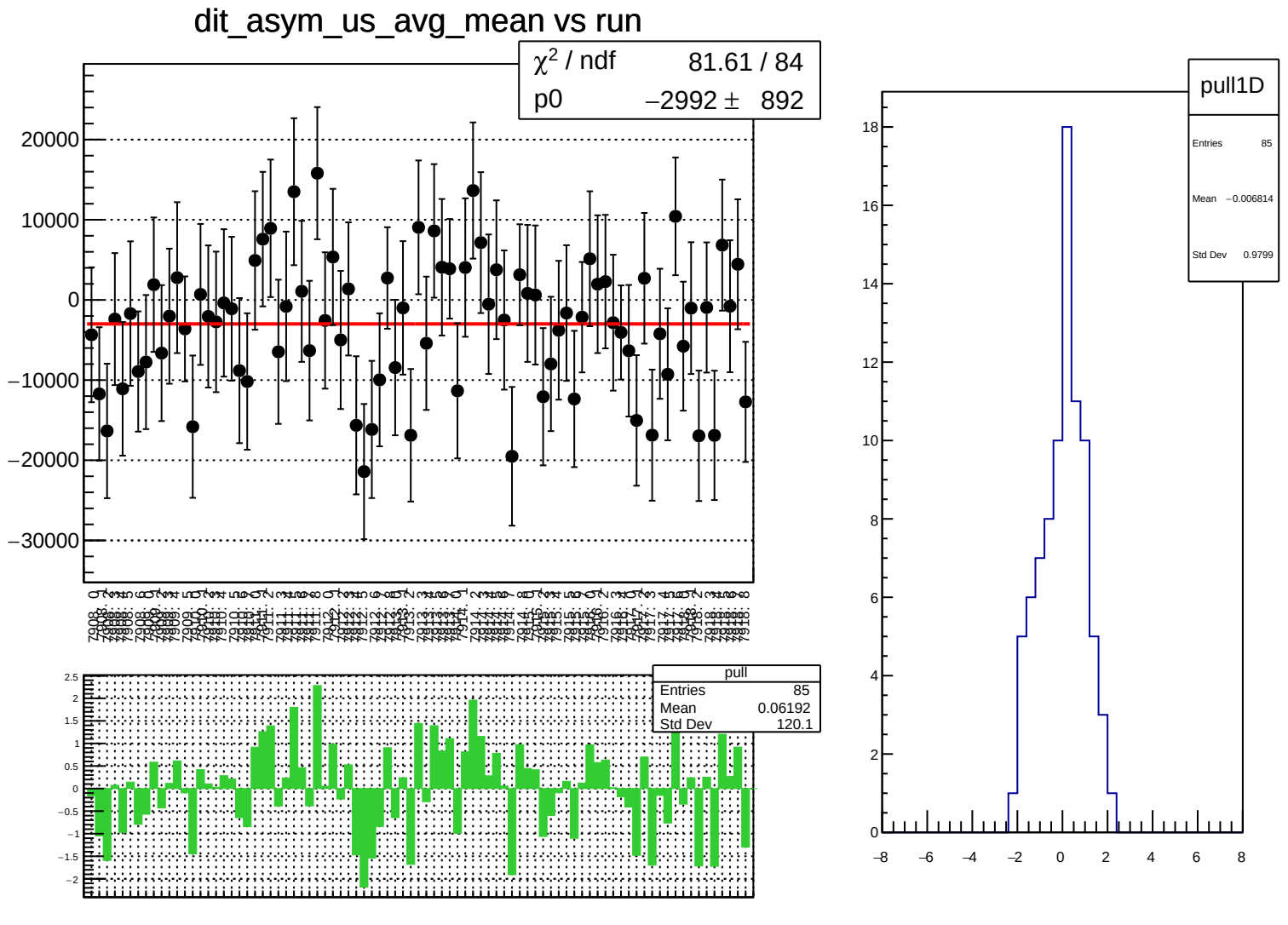
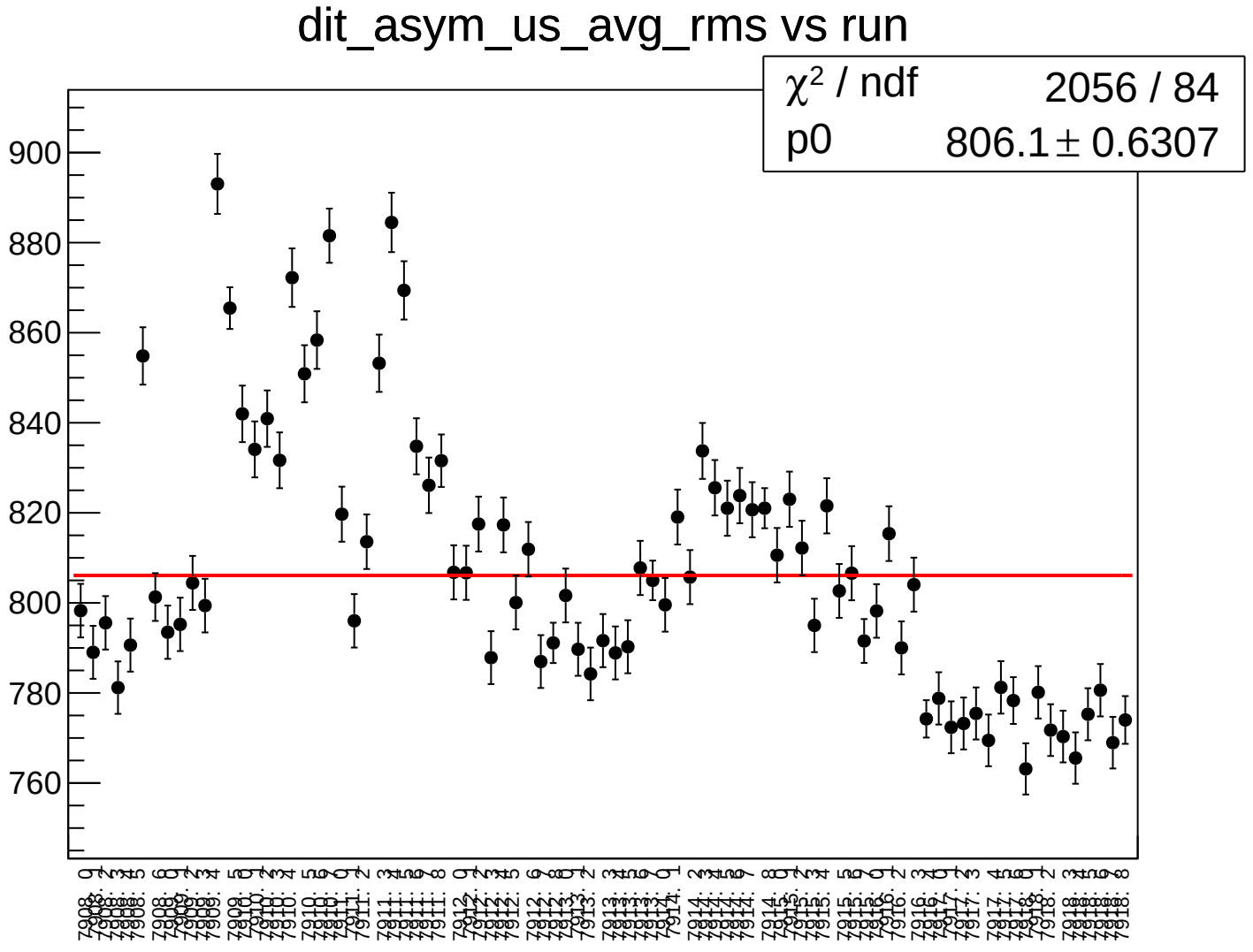
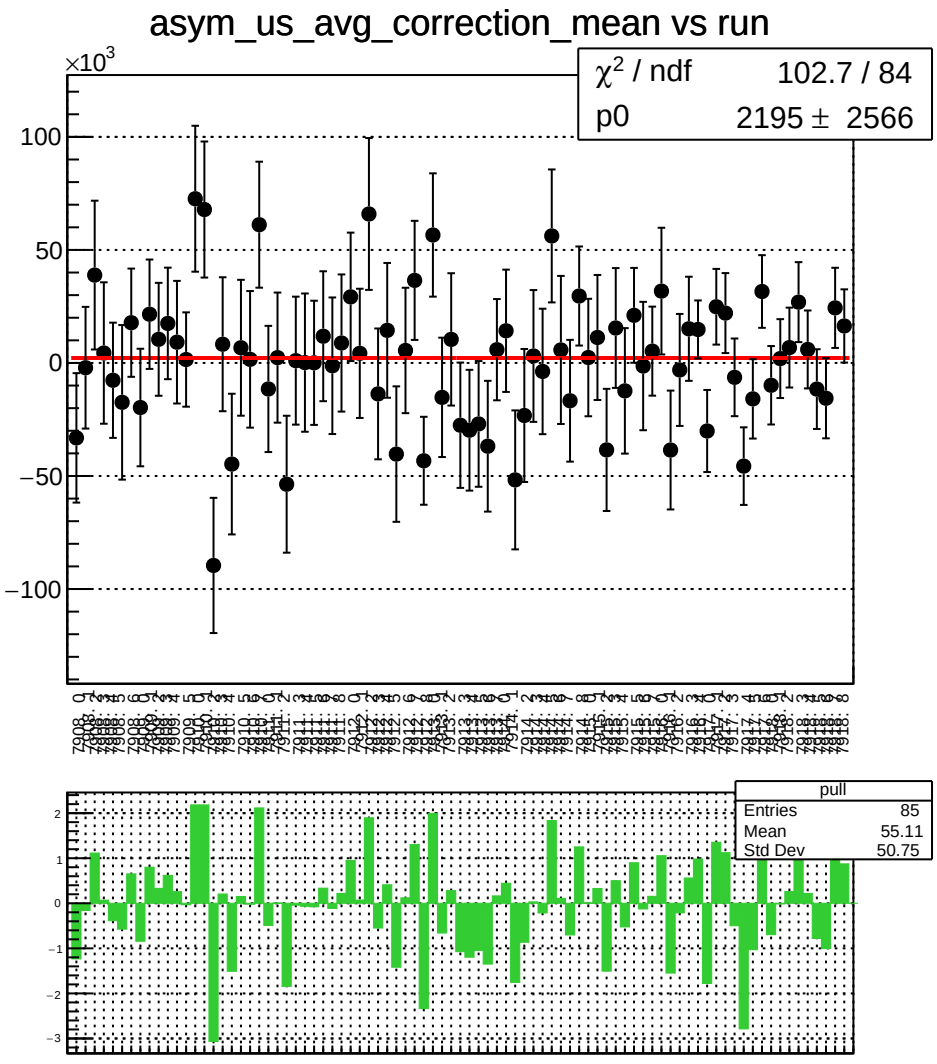
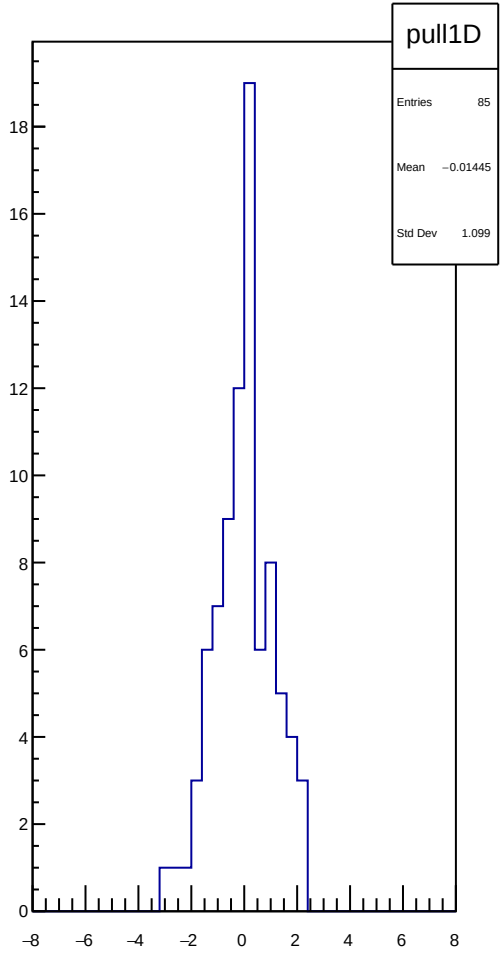
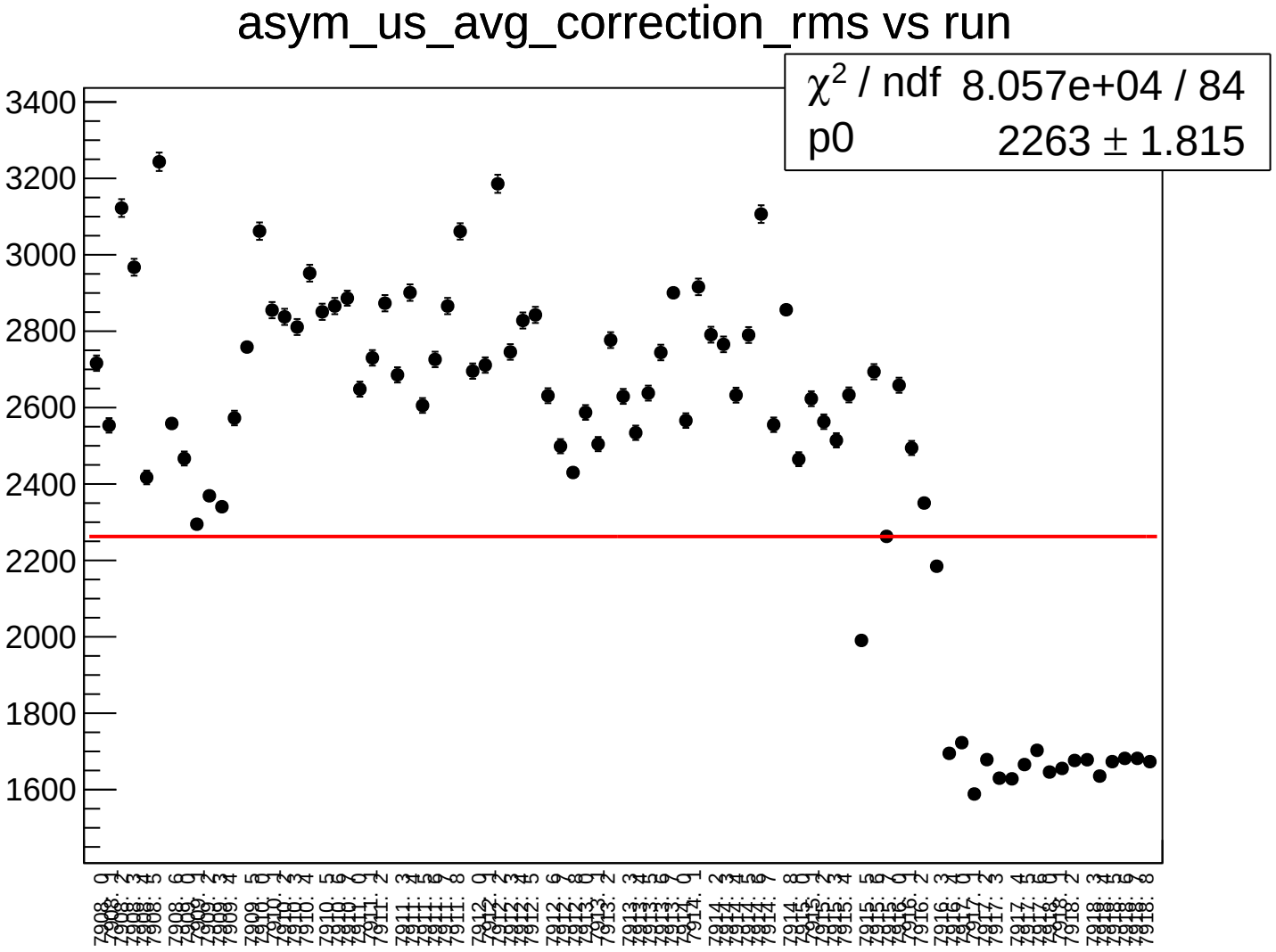
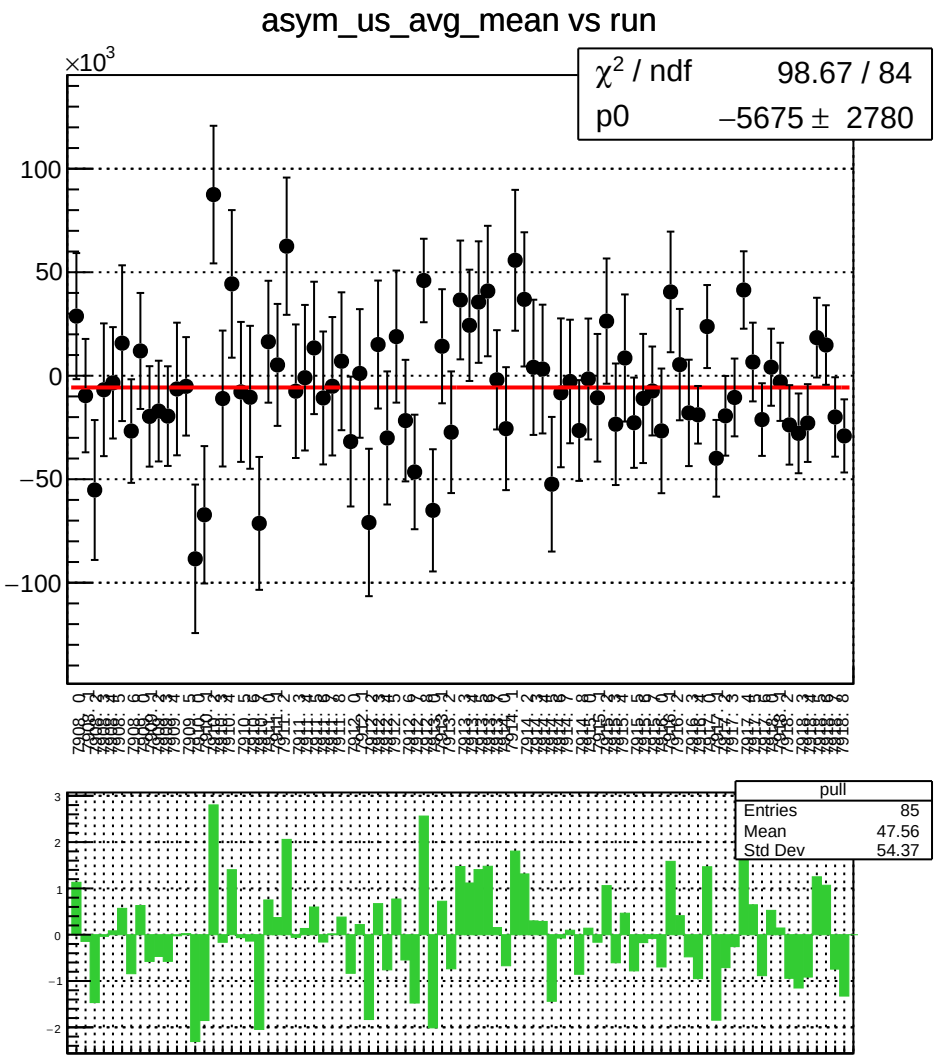

dit_asym_us_avg_mean vs run
χ² / ndf 81.61 / 84
p0 −2992 ± 892
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 0.06192
Std Dev 120.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.006814
Std Dev 0.9799
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

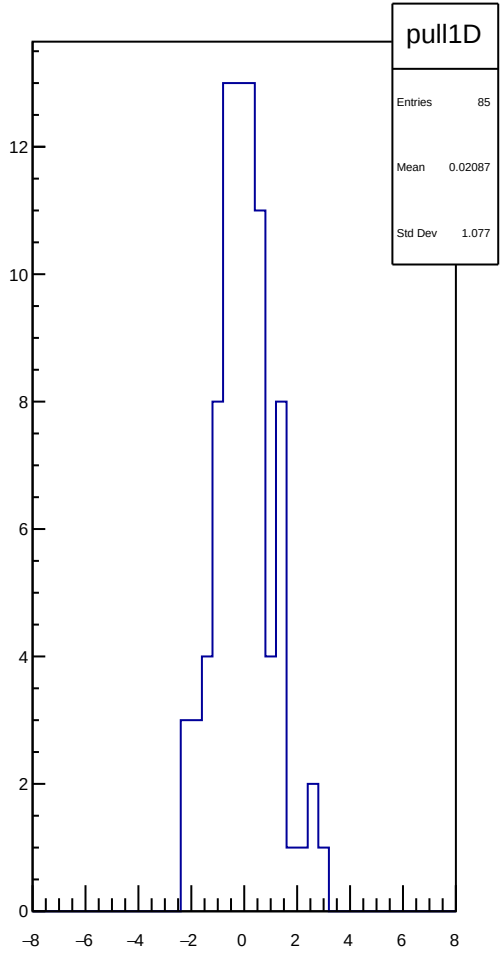

dit_asym_us_avg_rms vs run
χ^2 / ndf 2056 / 84
p0 806.1 ± 0.6307
900
880
860
840
820
800
780
760

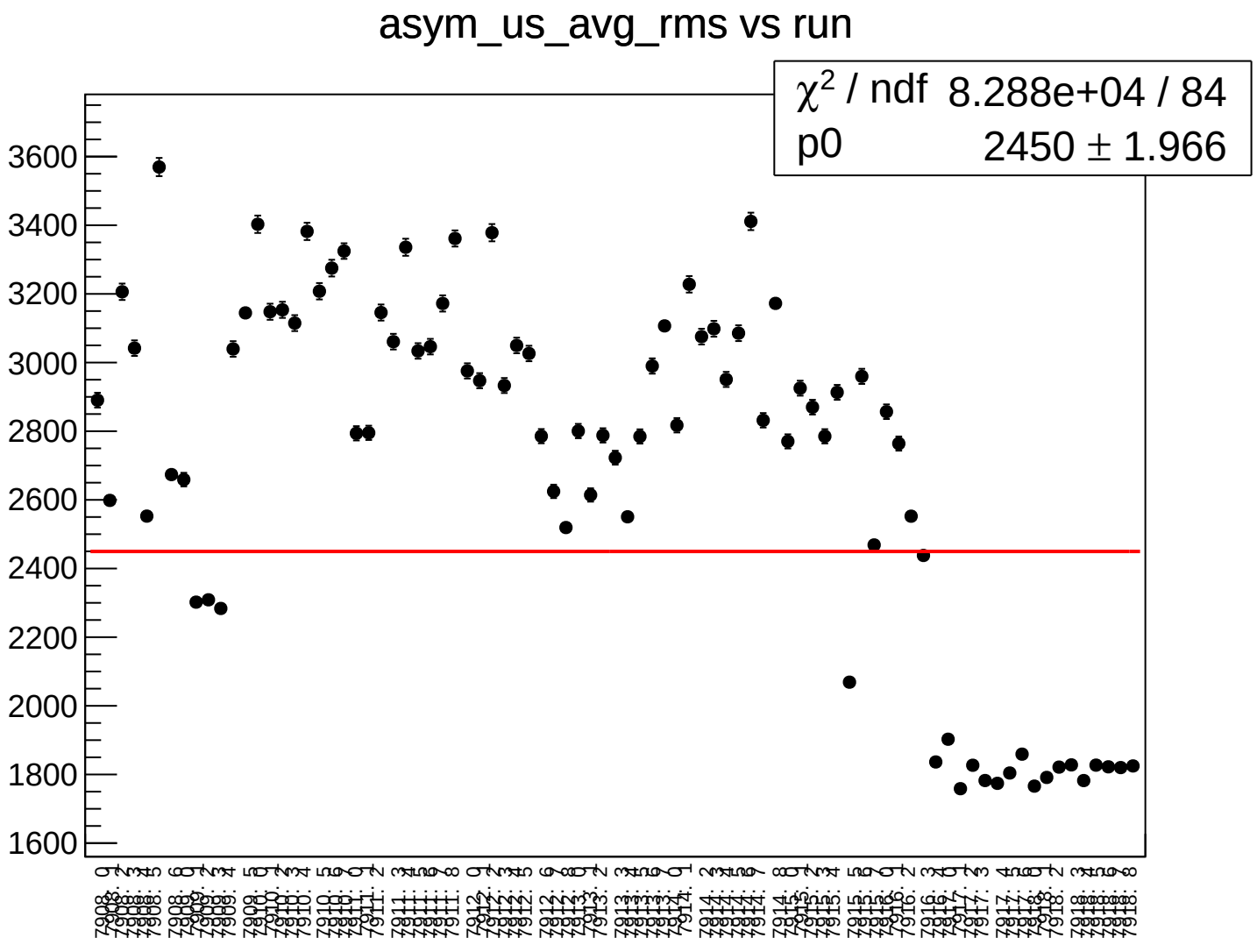

asym_us_avg_correction_mean vs run
×10^3
χ^2 / ndf 102.7 / 84
p0 2195 ± 2566
100
50
0
−50
−100
pull
Entries 85
Mean 55.11
Std Dev 50.75
2
1
0
−1
−2
−3

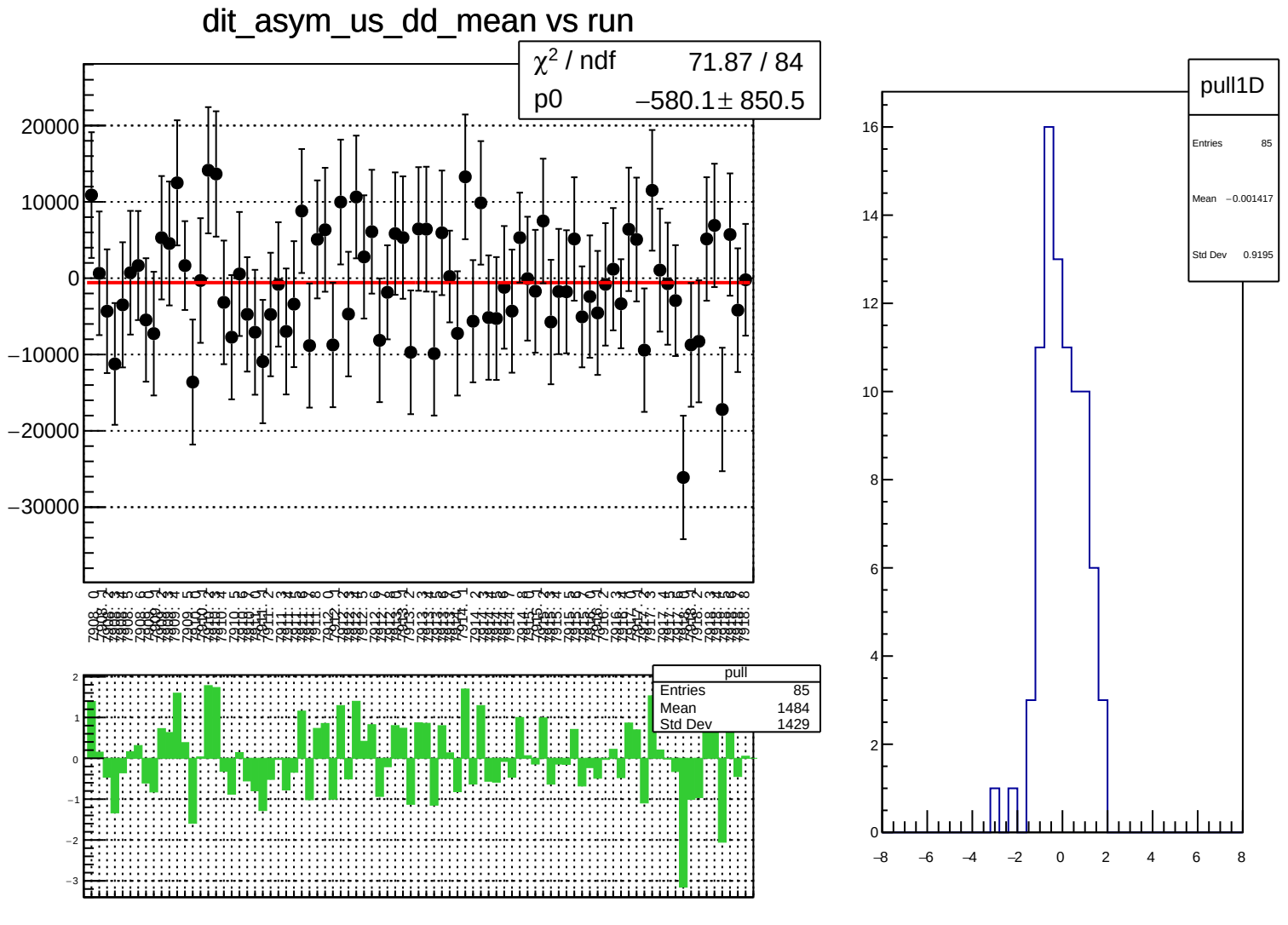

pull1D
Entries 85
Mean −0.01445
Std Dev 1.099
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_correction_rms vs run
χ2 / ndf 8.057e+04 / 84
p0 2263 ± 1.815
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

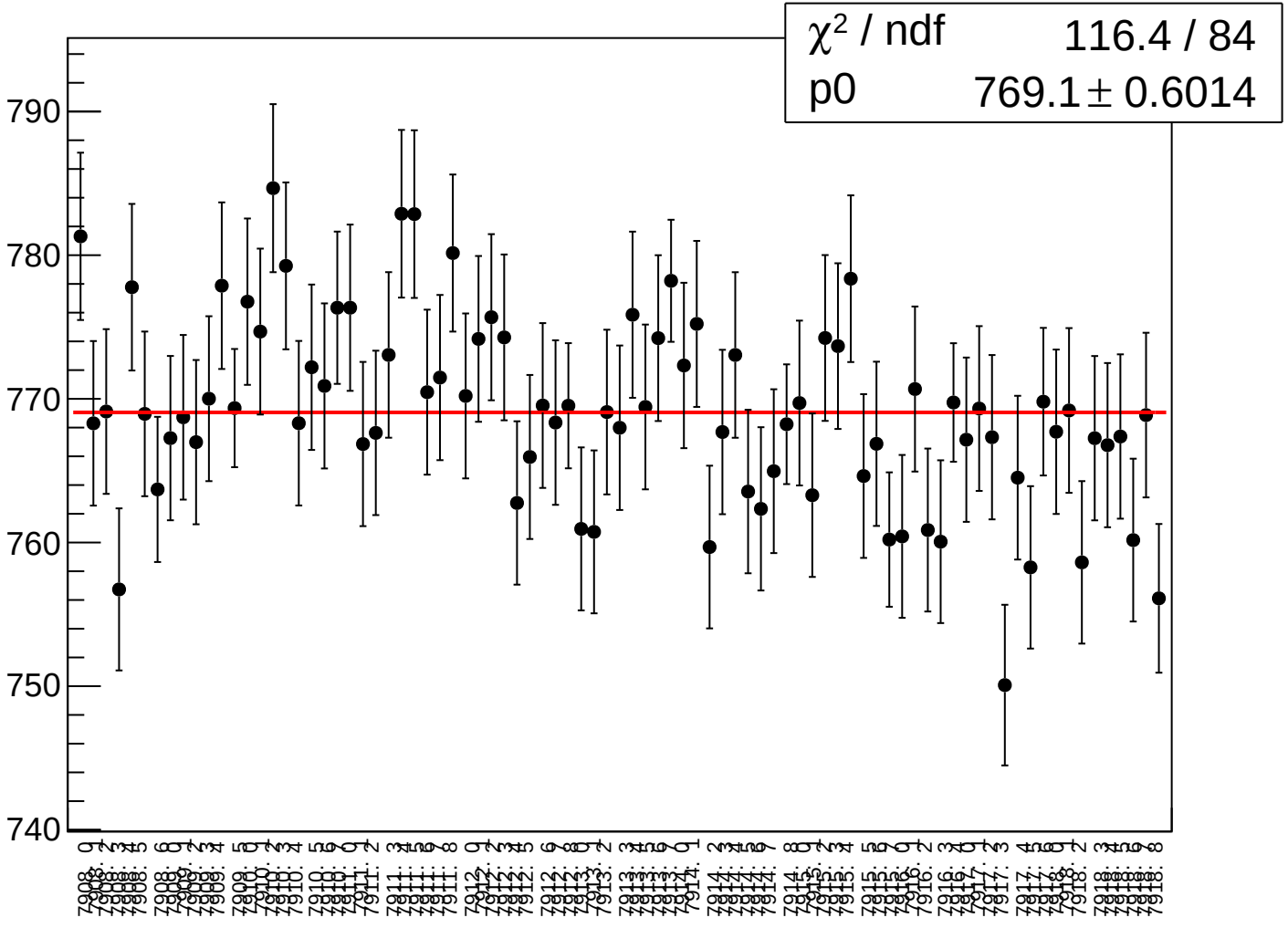

asym_us_avg_mean vs run
×10^3
χ² / ndf 98.67 / 84
p0 −5675 ± 2780
pull
Entries 85
Mean 47.56
Std Dev 54.37

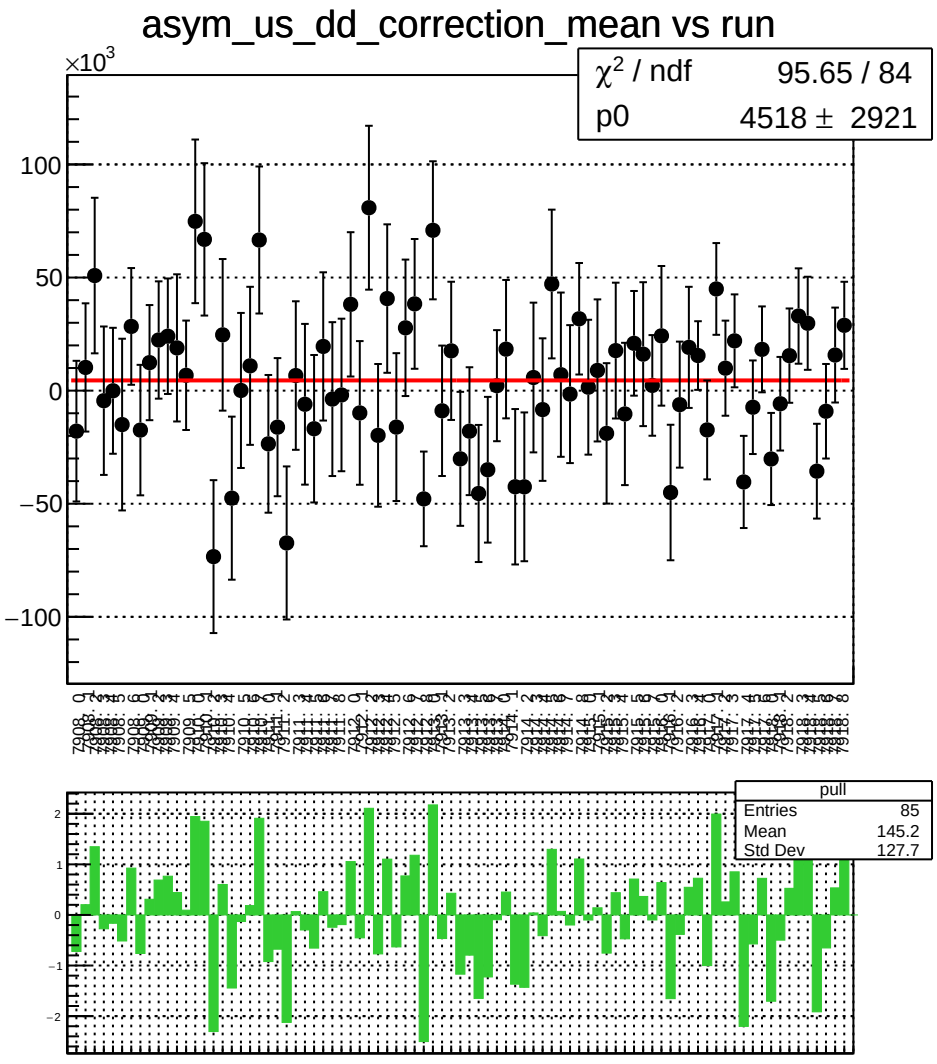

pull1D
Entries 85
Mean 0.02087
Std Dev 1.077

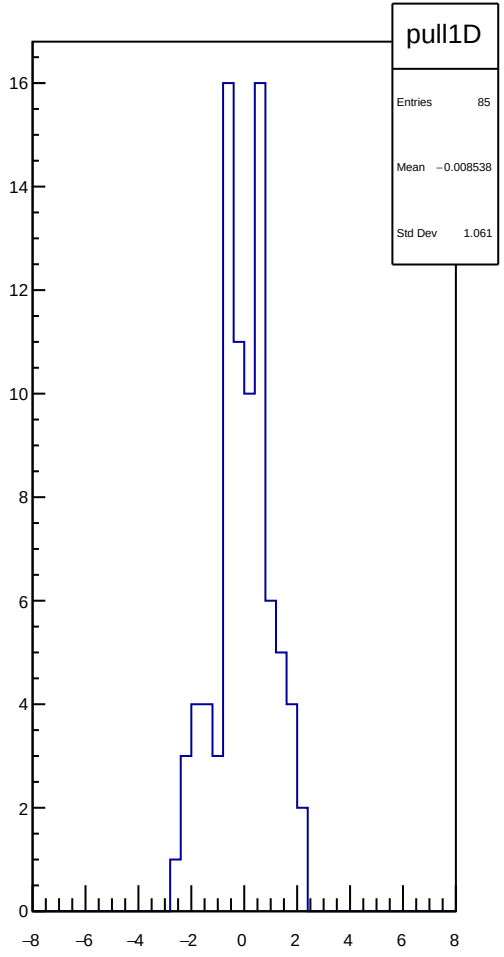

asym_us_avg_rms vs run
χ2 / ndf 8.288e+04 / 84
p0 2450 ± 1.966
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

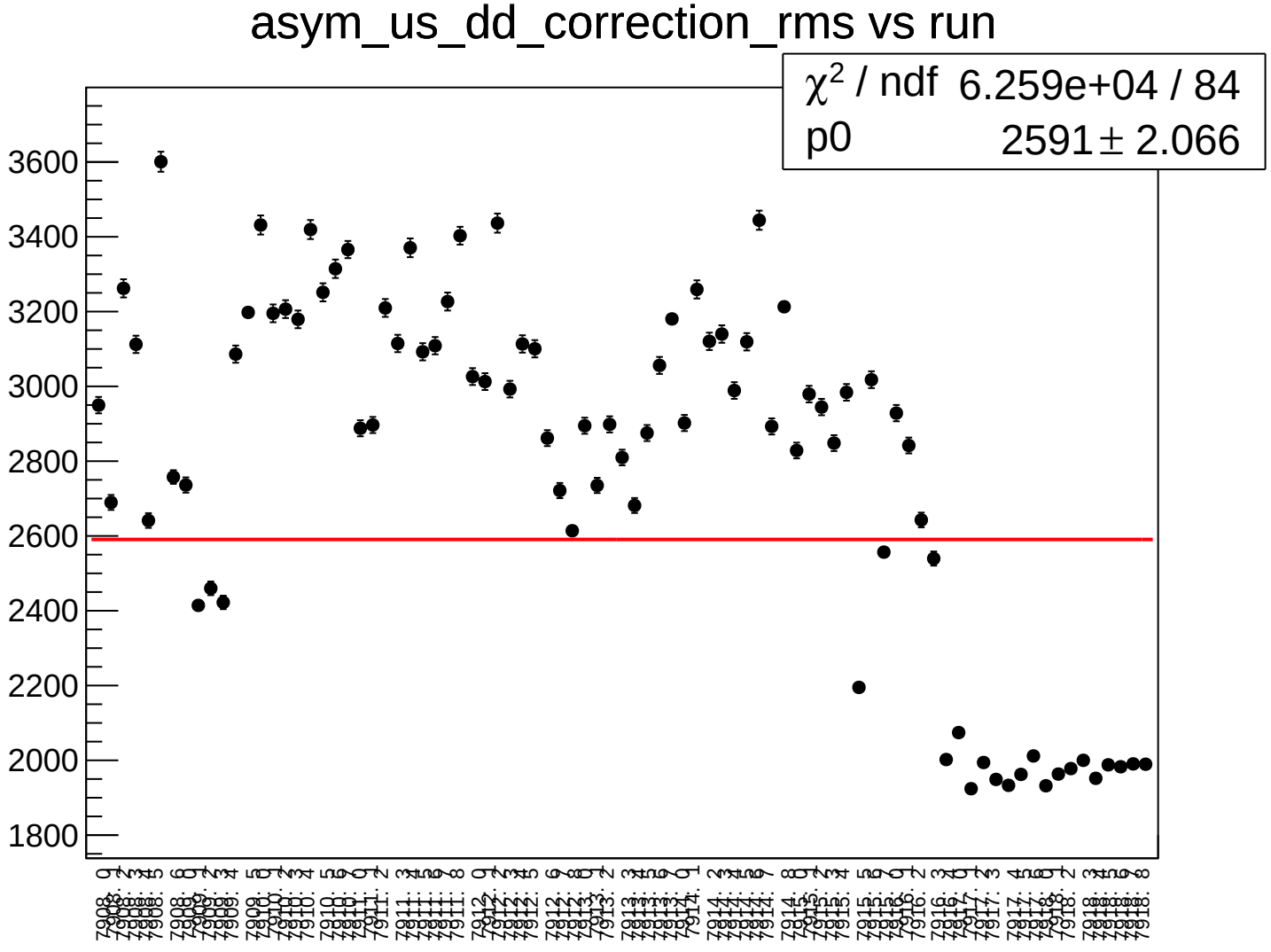

dit_asym_us_dd_mean vs run
χ² / ndf 71.87 / 84
p0 −580.1 ± 850.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 1484
Std Dev 1429
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.001417
Std Dev 0.9195
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

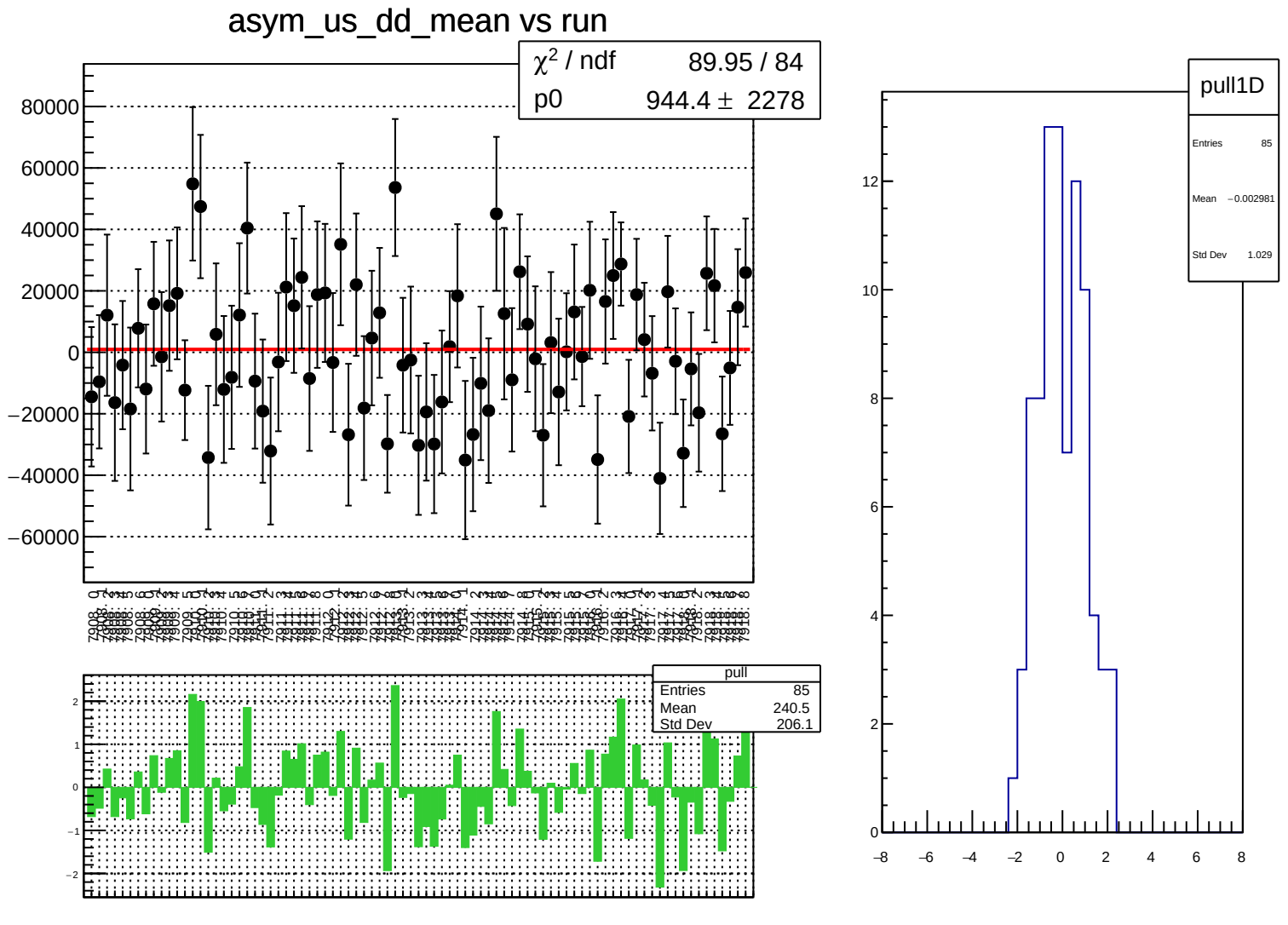
dit_asym_us_dd_rms vs run

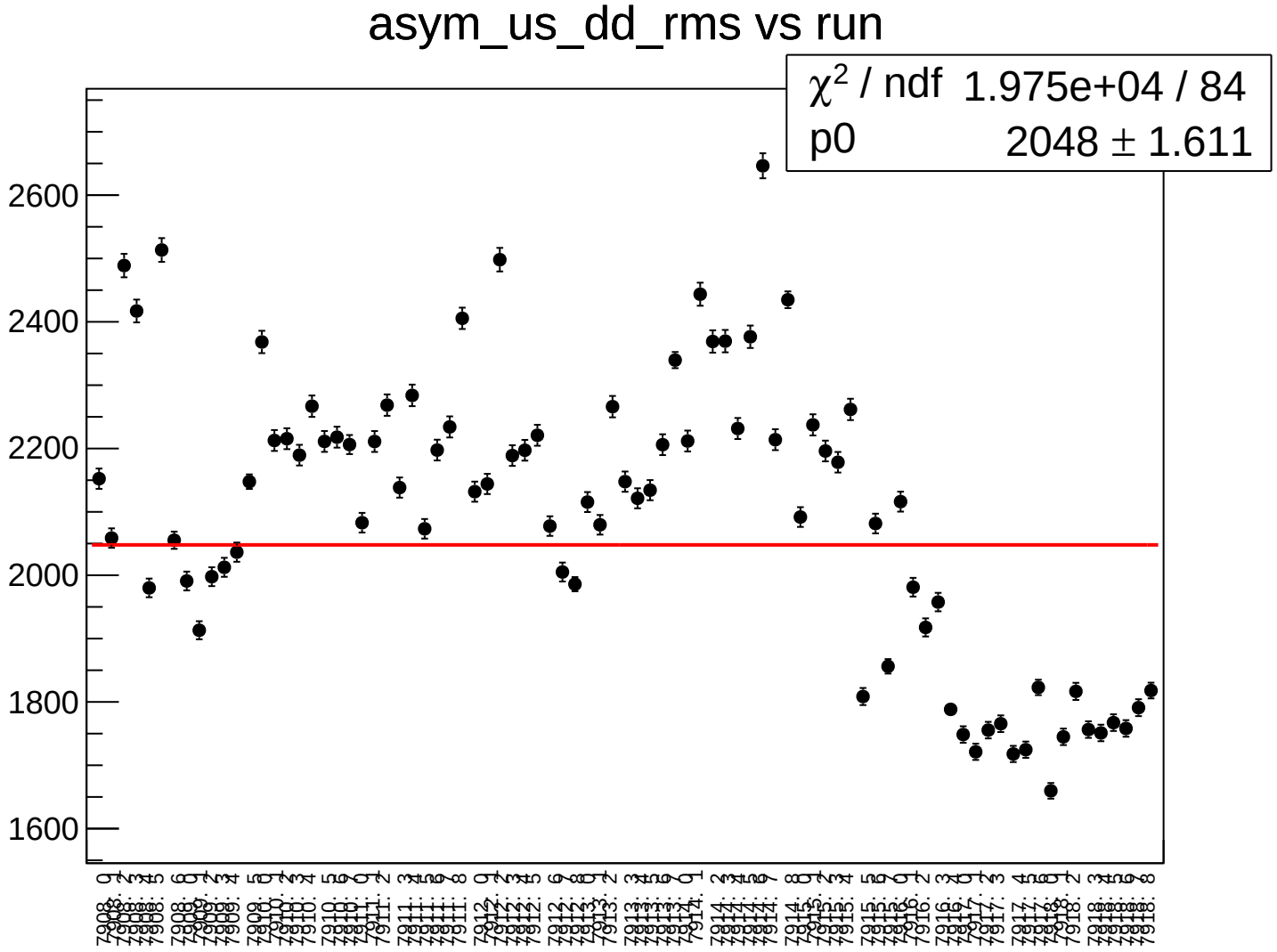


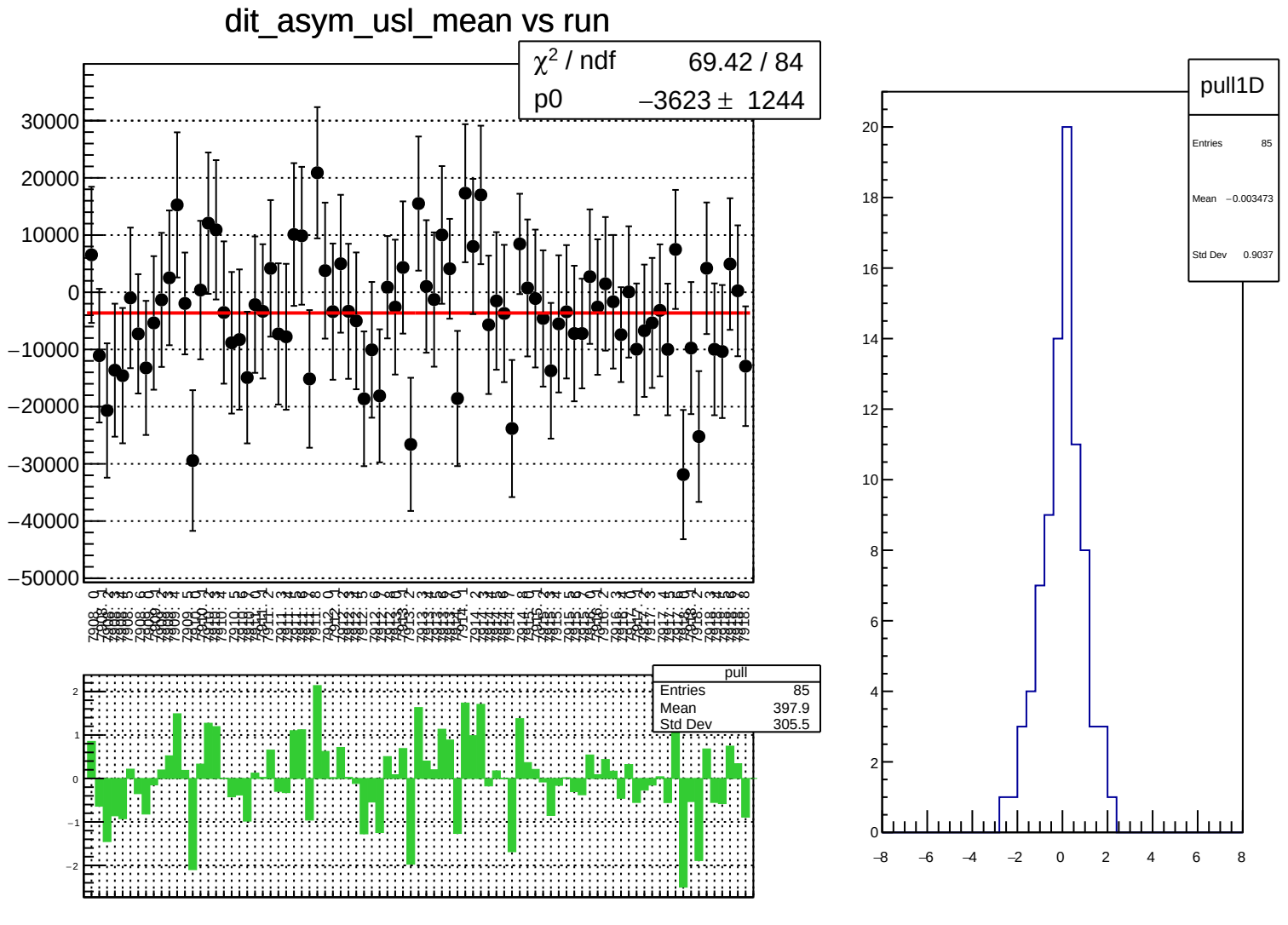

asym_us_dd_correction_mean vs run
×10^3
χ^2 / ndf 95.65 / 84
p0 4518 ± 2921
100
50
0
−50
−100
pull
Entries 85
Mean 145.2
Std Dev 127.7
2
1
0
−1
−2


pull1D
Entries 85
Mean −0.008538
Std Dev 1.061
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

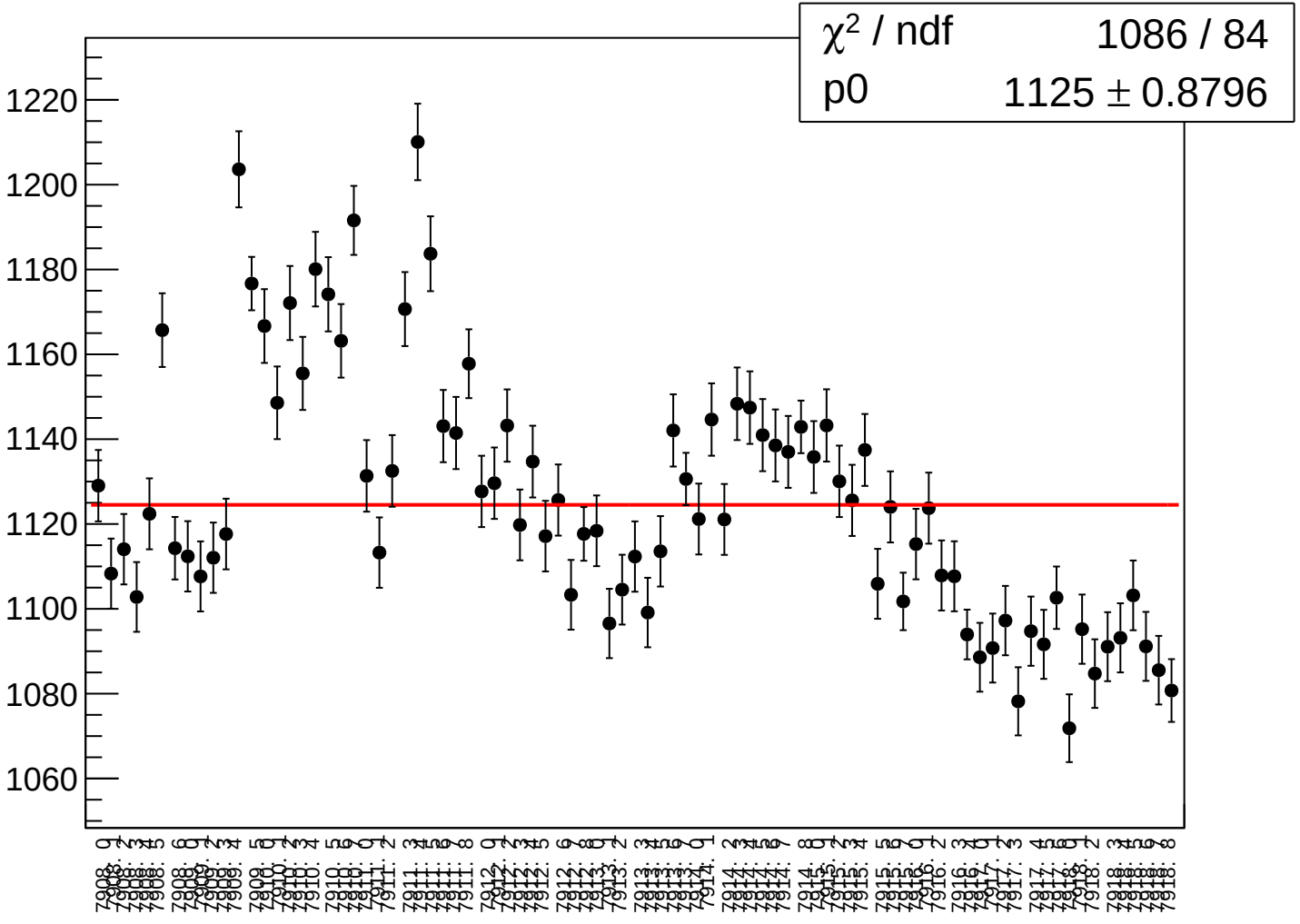

asym_us_dd_correction_rms vs run
χ^2 / ndf 6.259e+04 / 84
p0 2591 ± 2.066
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

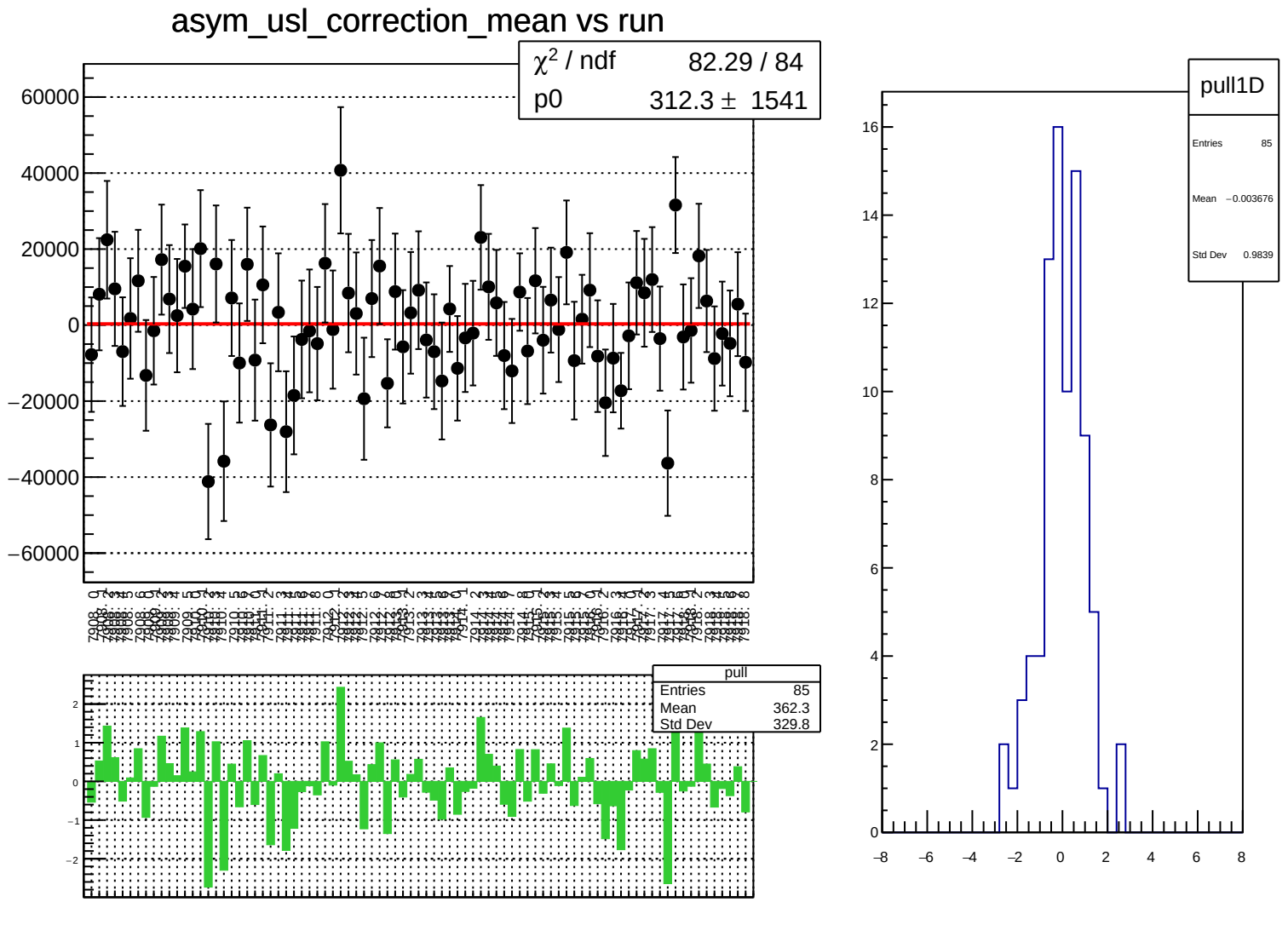

asym_us_dd_mean vs run
χ² / ndf 89.95 / 84
p0 944.4 ± 2278
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 240.5
Std Dev 206.1
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.002981
Std Dev 1.029
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_rms vs run
χ^2 / ndf 1.975e+04 / 84
p0 2048 ± 1.611
2600
2400
2200
2000
1800
1600

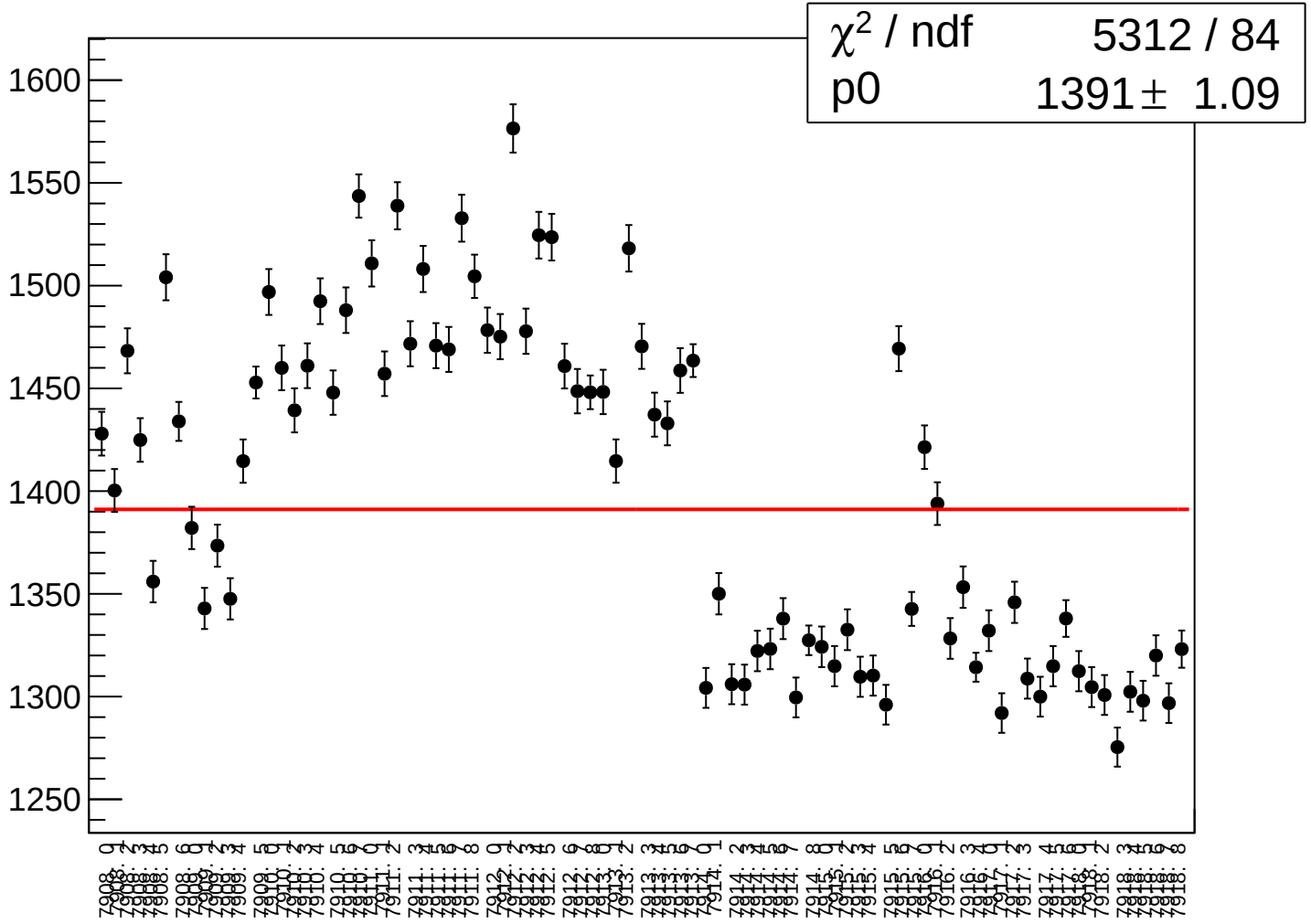

dit_asym_usl_mean vs run
χ² / ndf 69.42 / 84
p0 −3623 ± 1244
pull
Entries 85
Mean 397.9
Std Dev 305.5
pull1D
Entries 85
Mean −0.003473
Std Dev 0.9037

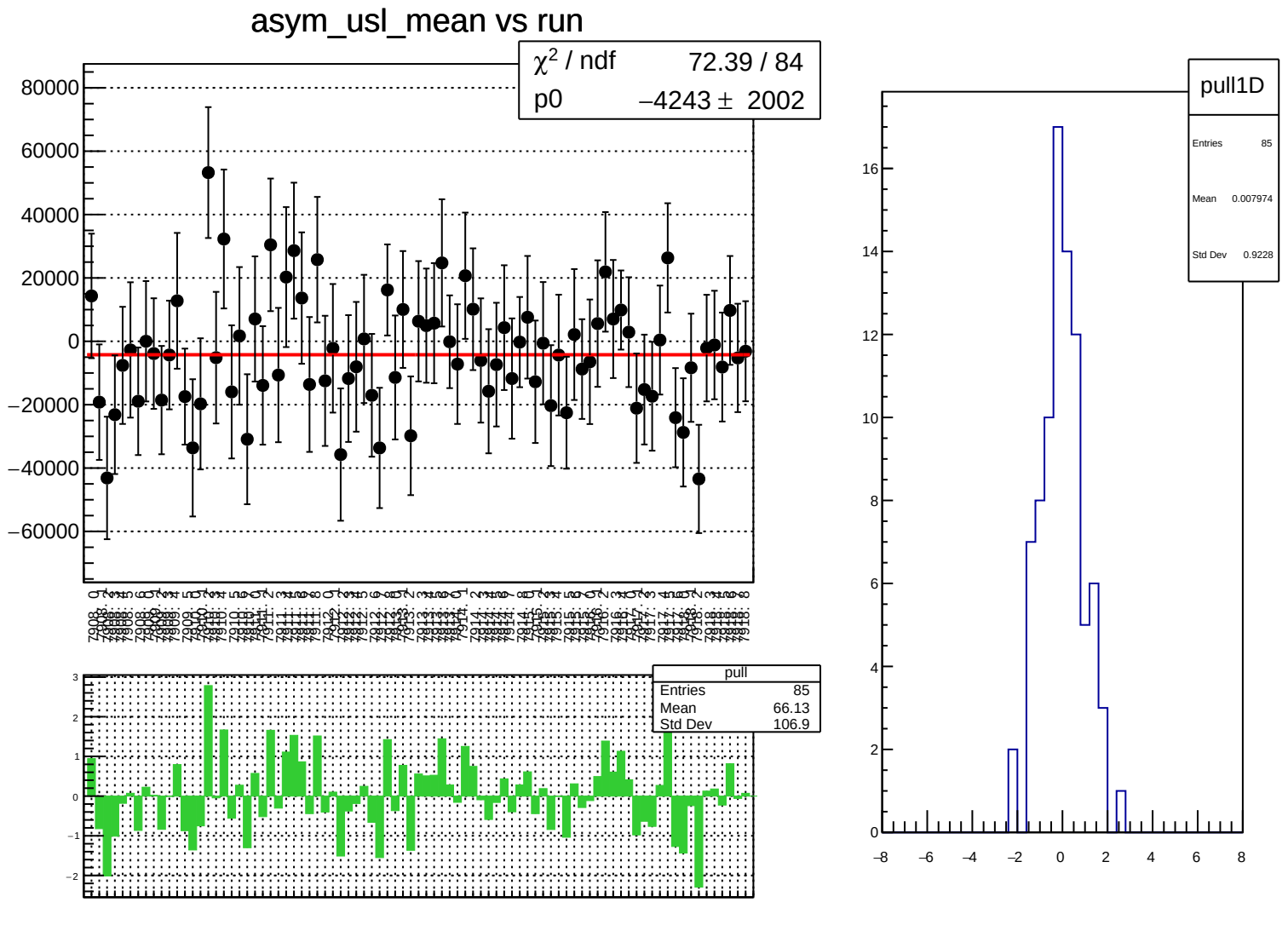
dit_asym_usl_rms vs run



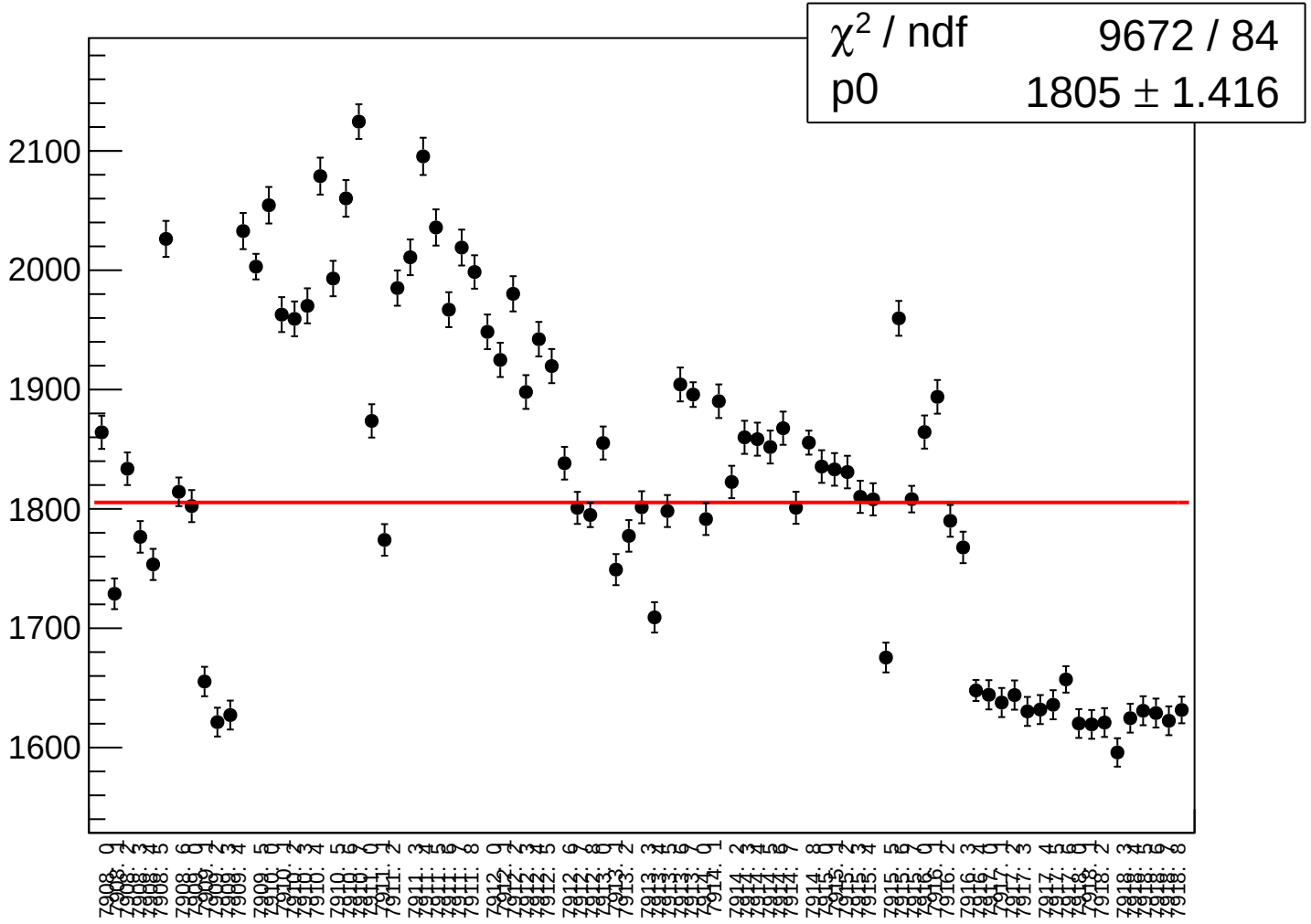

asym_usl_correction_mean vs run
χ² / ndf 82.29 / 84
p0 312.3 ± 1541
pull
Entries 85
Mean 362.3
Std Dev 329.8
pull1D
Entries 85
Mean −0.003676
Std Dev 0.9839

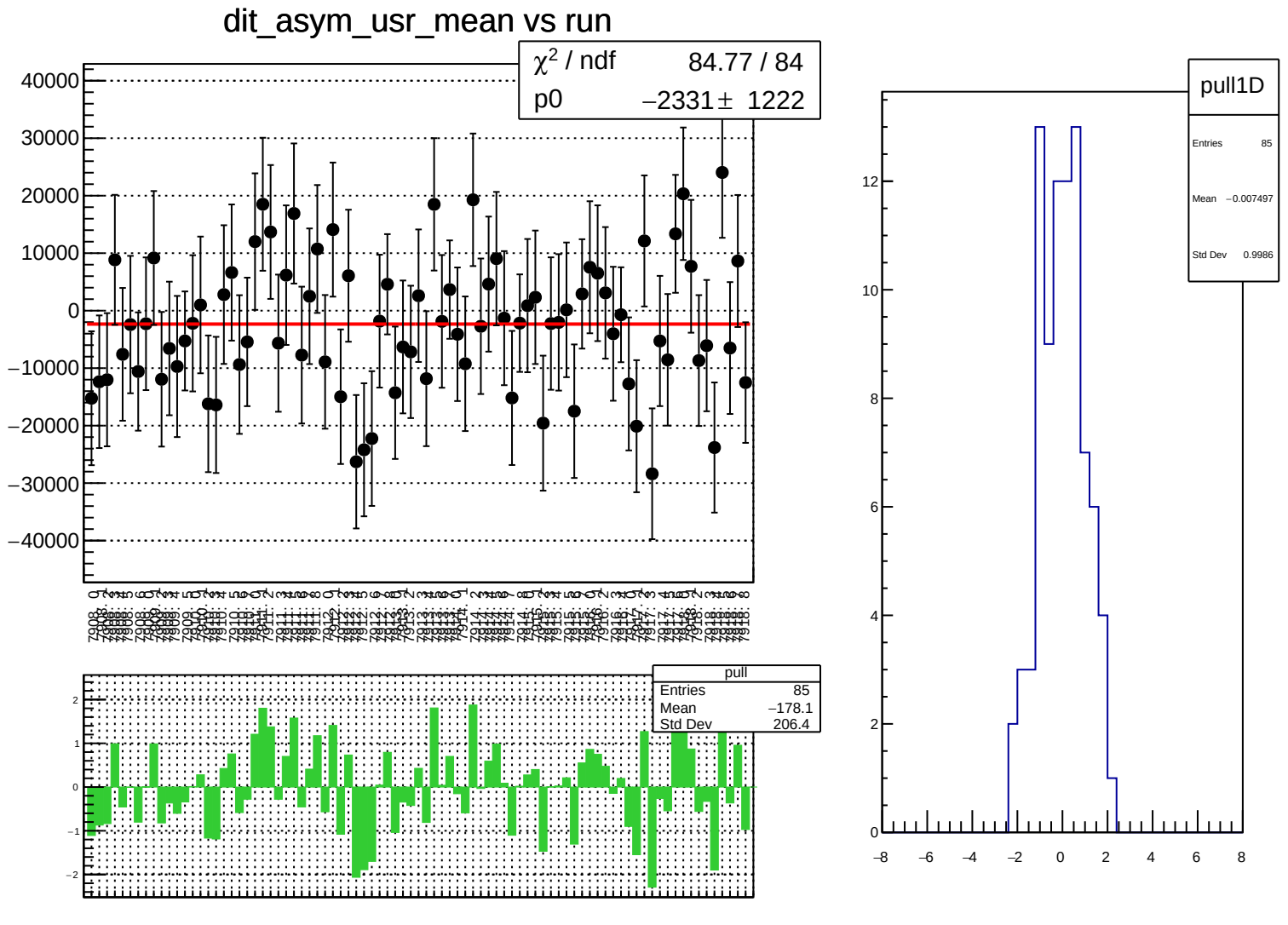
asym_usl_correction_rms vs run



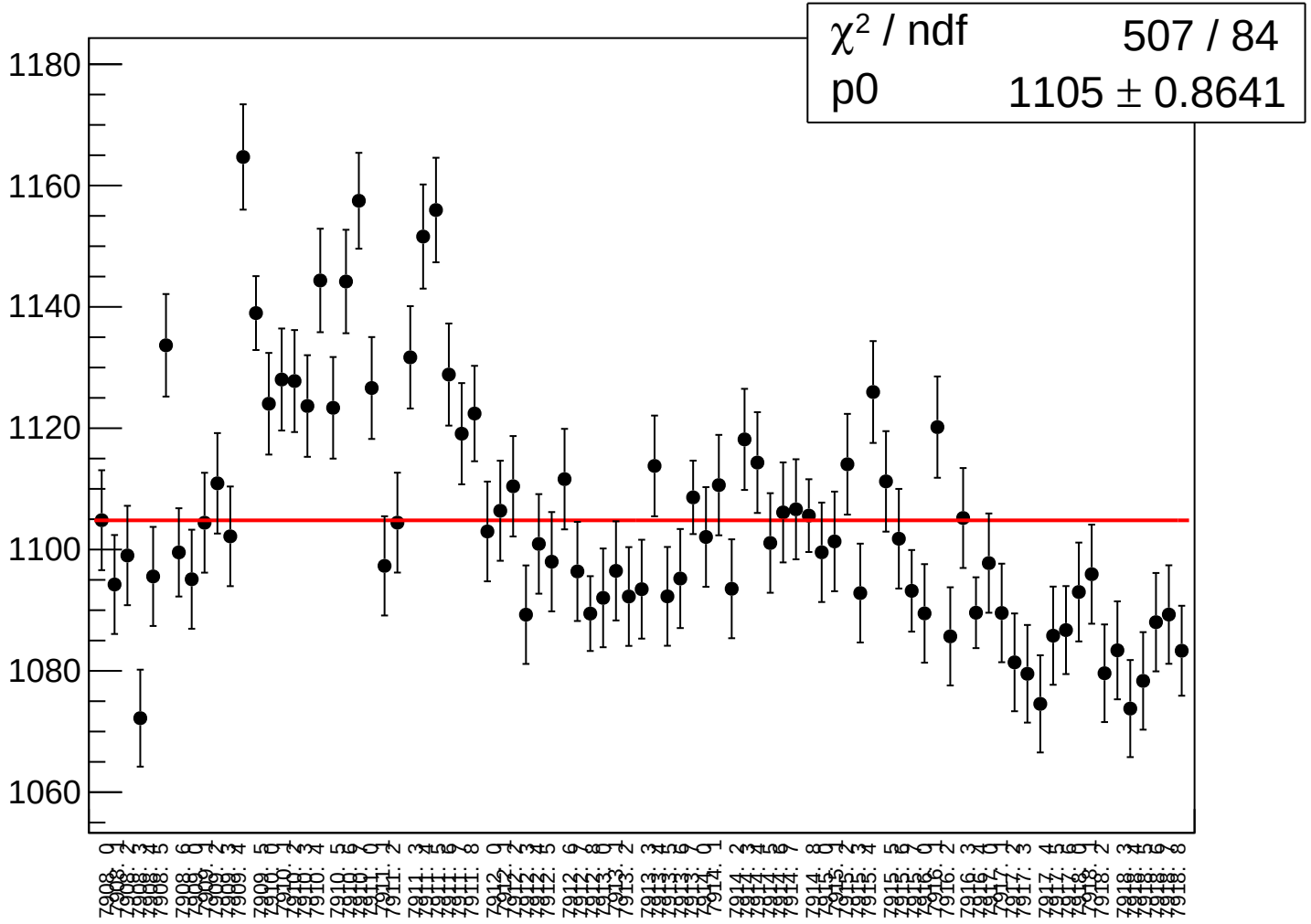

asym_usl_mean vs run
χ² / ndf 72.39 / 84
p0 −4243 ± 2002
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 66.13
Std Dev 106.9
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.007974
Std Dev 0.9228
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

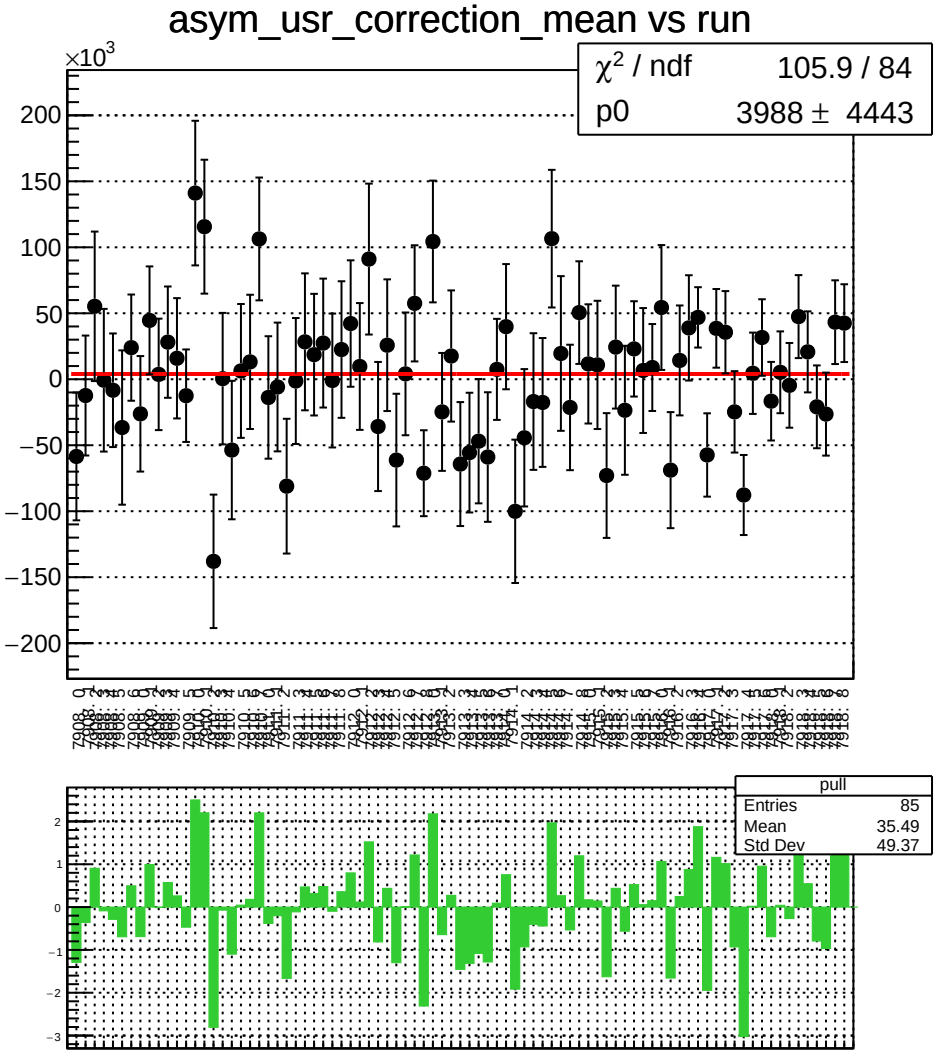
asym_usl_rms vs run

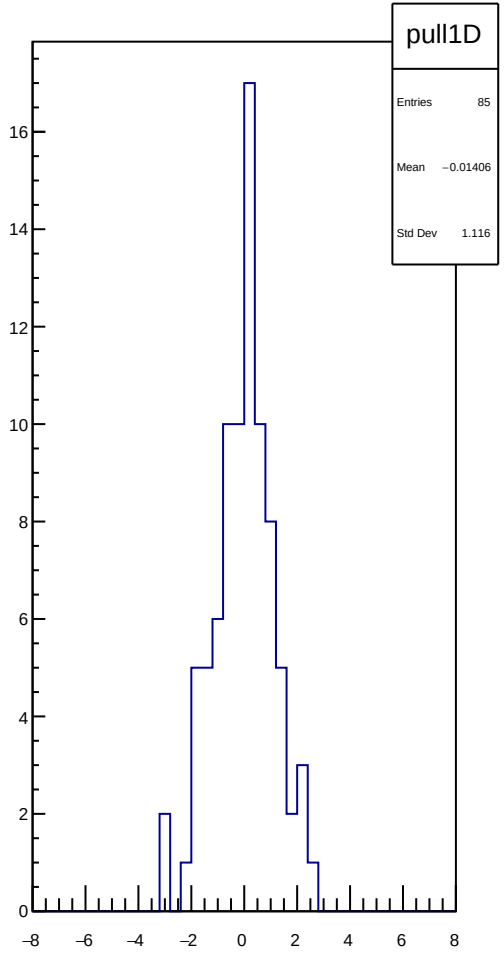



dit_asym_usr_mean vs run
χ² / ndf 84.77 / 84
p0 −2331 ± 1222
pull
Entries 85
Mean −178.1
Std Dev 206.4
pull1D
Entries 85
Mean −0.007497
Std Dev 0.9986

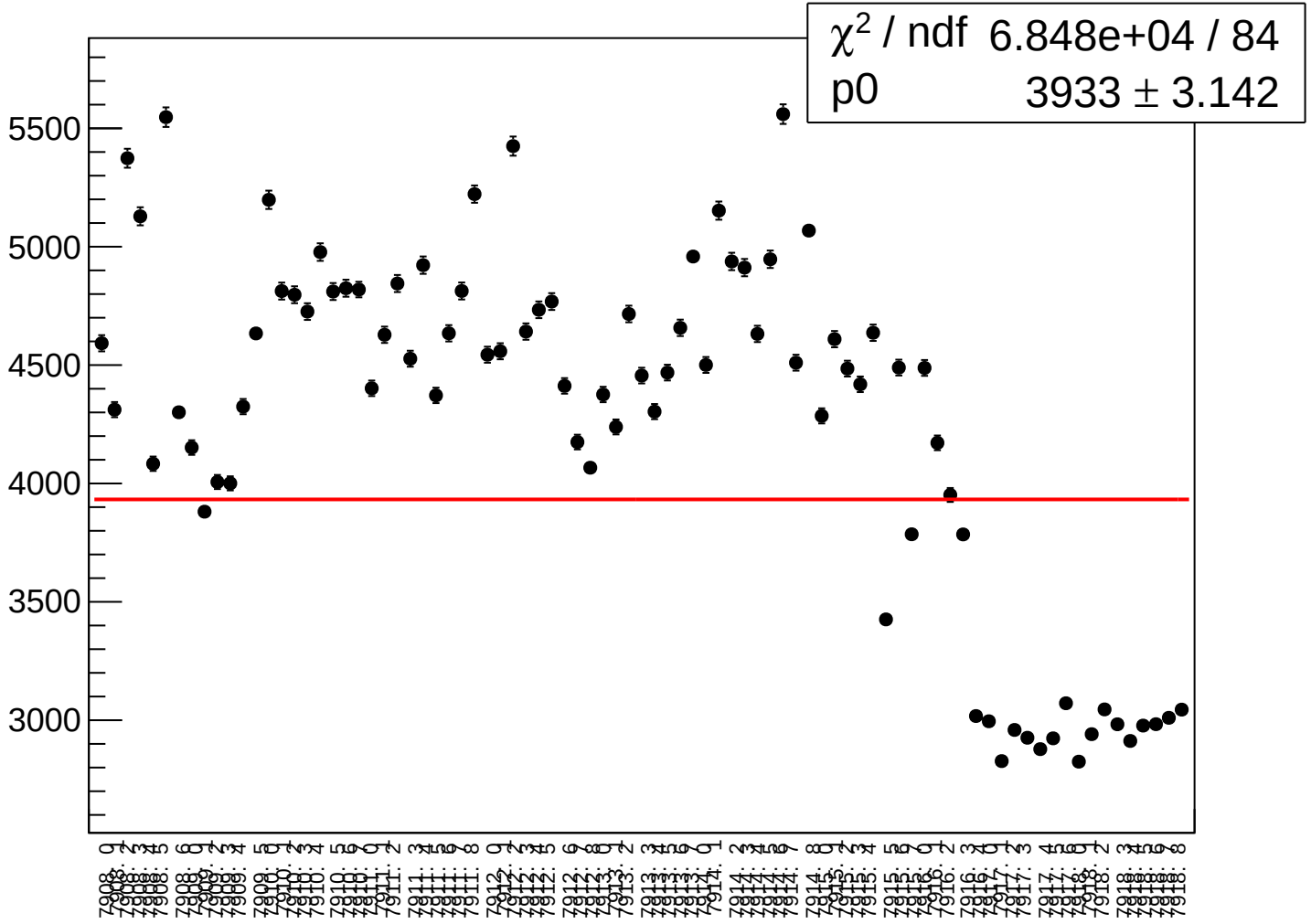
dit_asym_usr_rms vs run

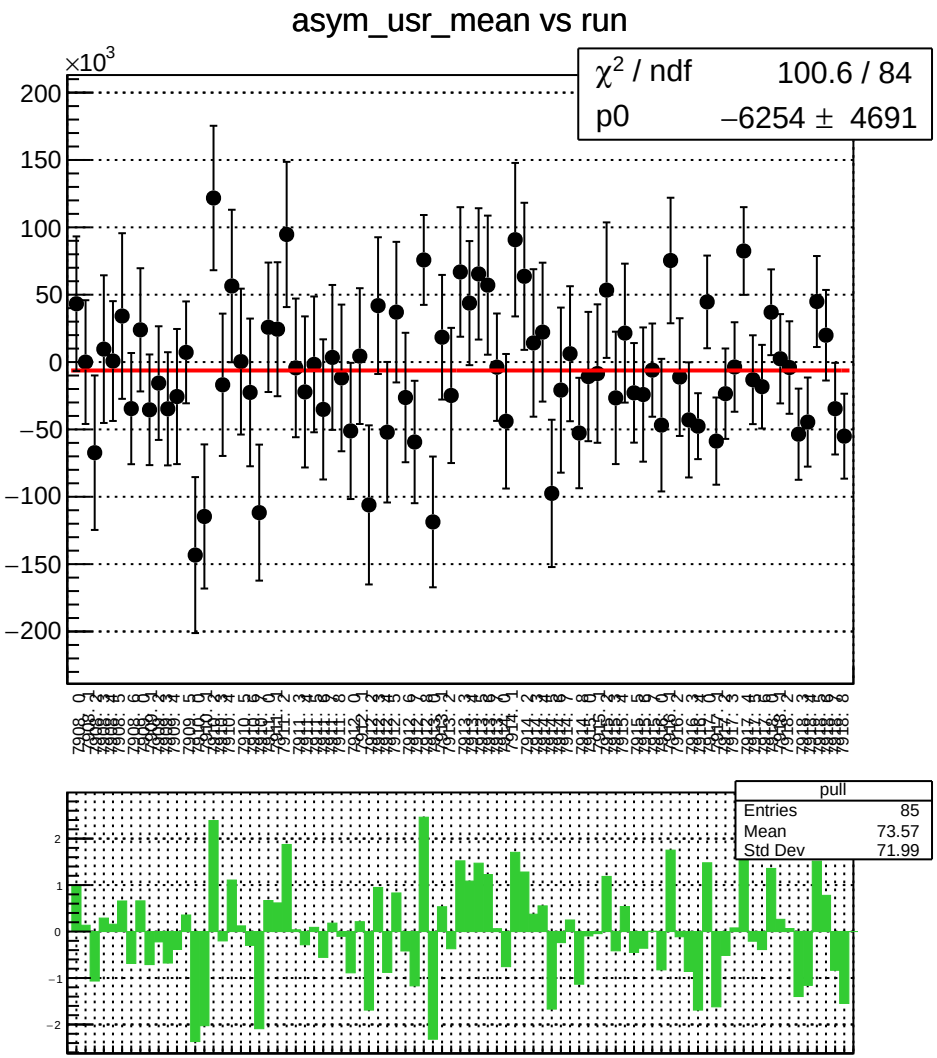


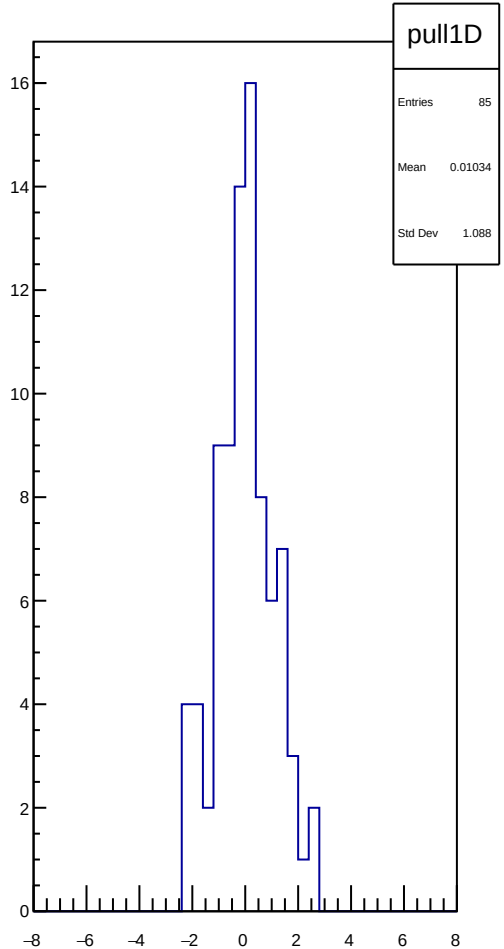

asym_usr_correction_mean vs run
×10^3
χ^2 / ndf 105.9 / 84
p0 3988 ± 4443
pull
Entries 85
Mean 35.49
Std Dev 49.37

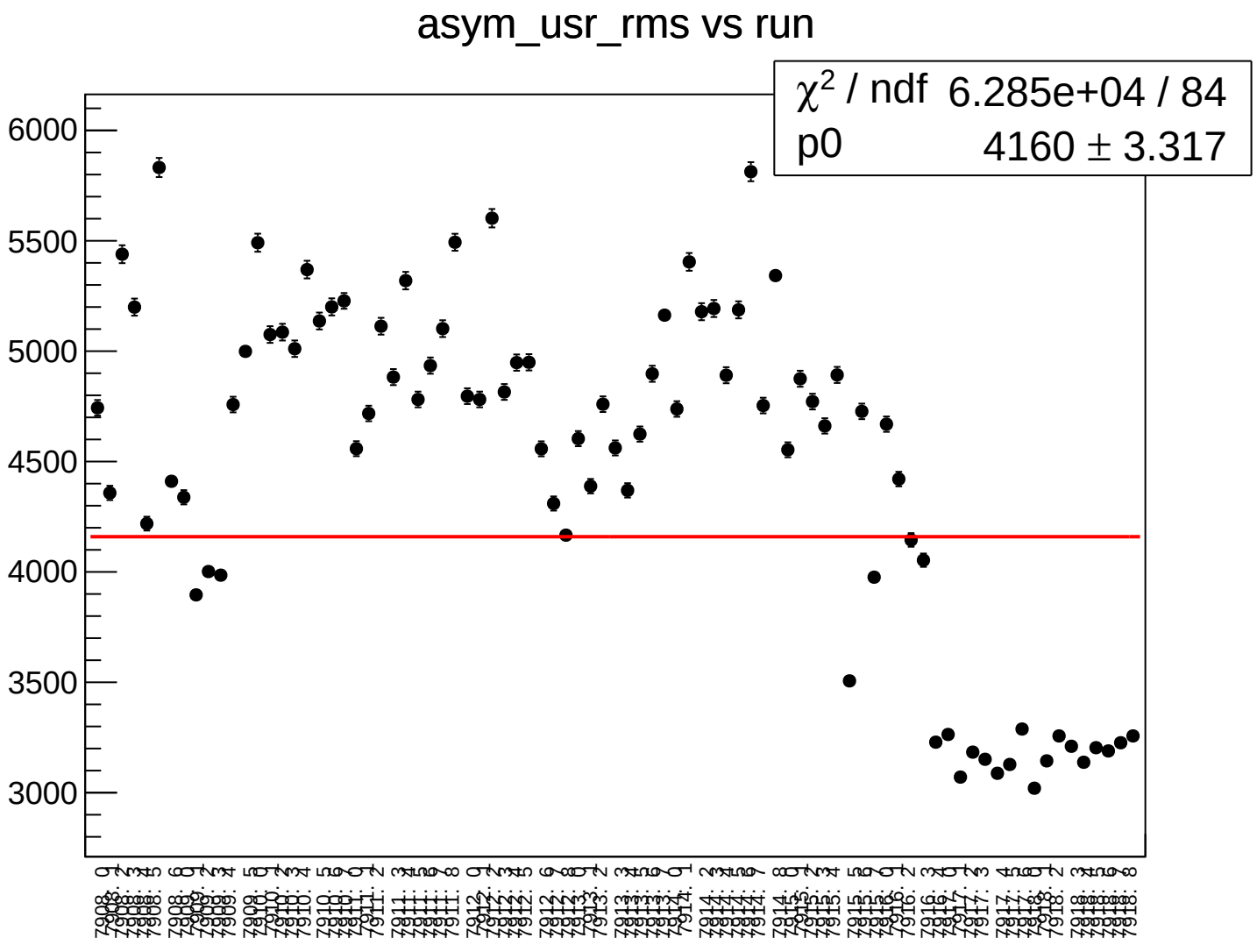

pull1D
Entries 85
Mean −0.01406
Std Dev 1.116

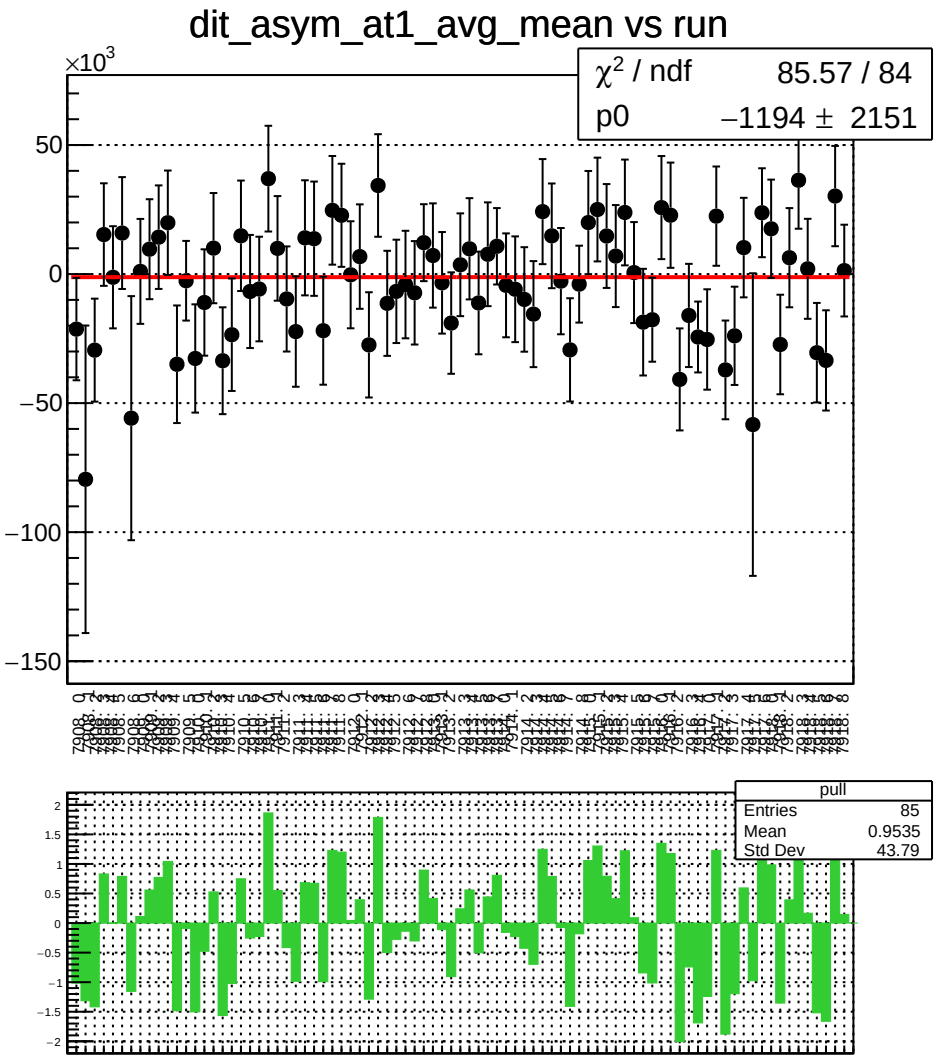
asym_usr_correction_rms vs run

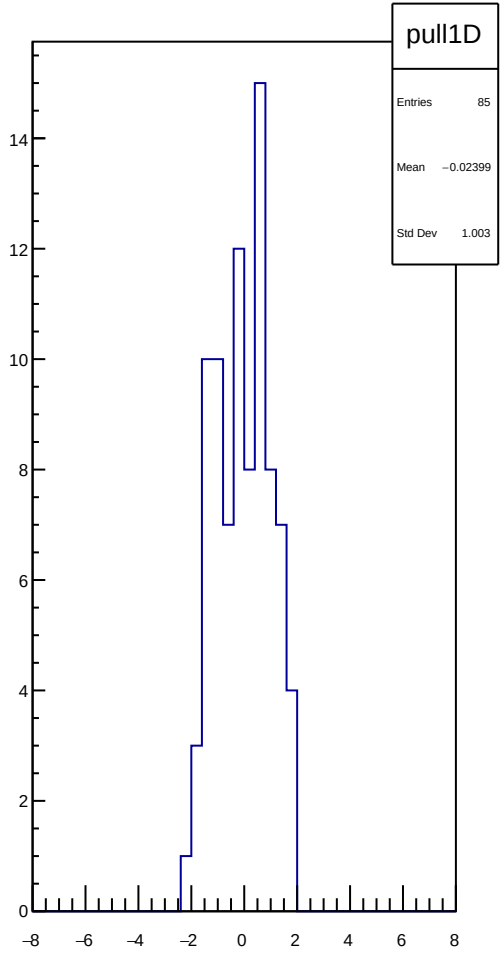


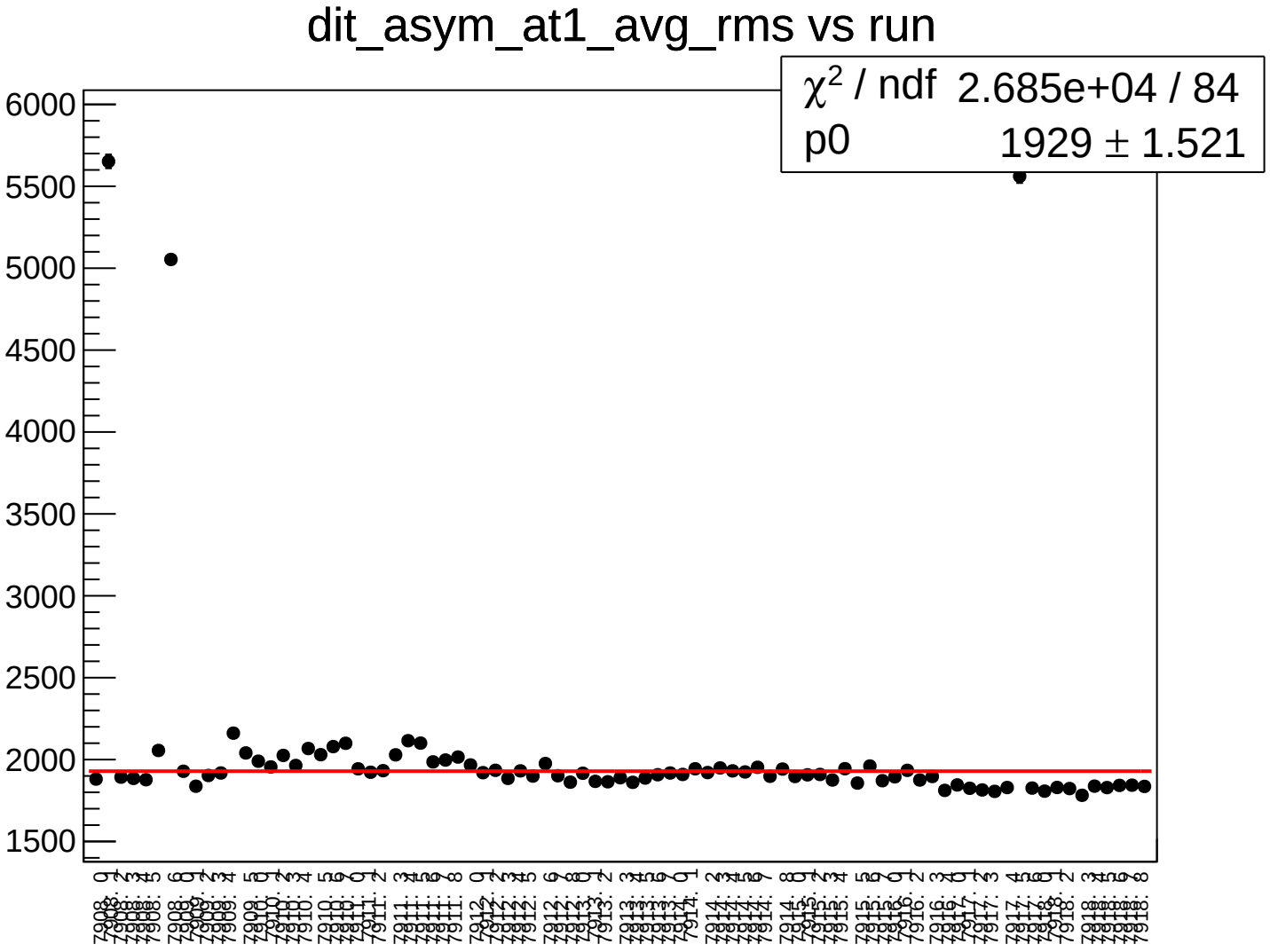

asym_usr_mean vs run
×10^3
χ² / ndf 100.6 / 84
p0 −6254 ± 4691
pull
Entries 85
Mean 73.57
Std Dev 71.99

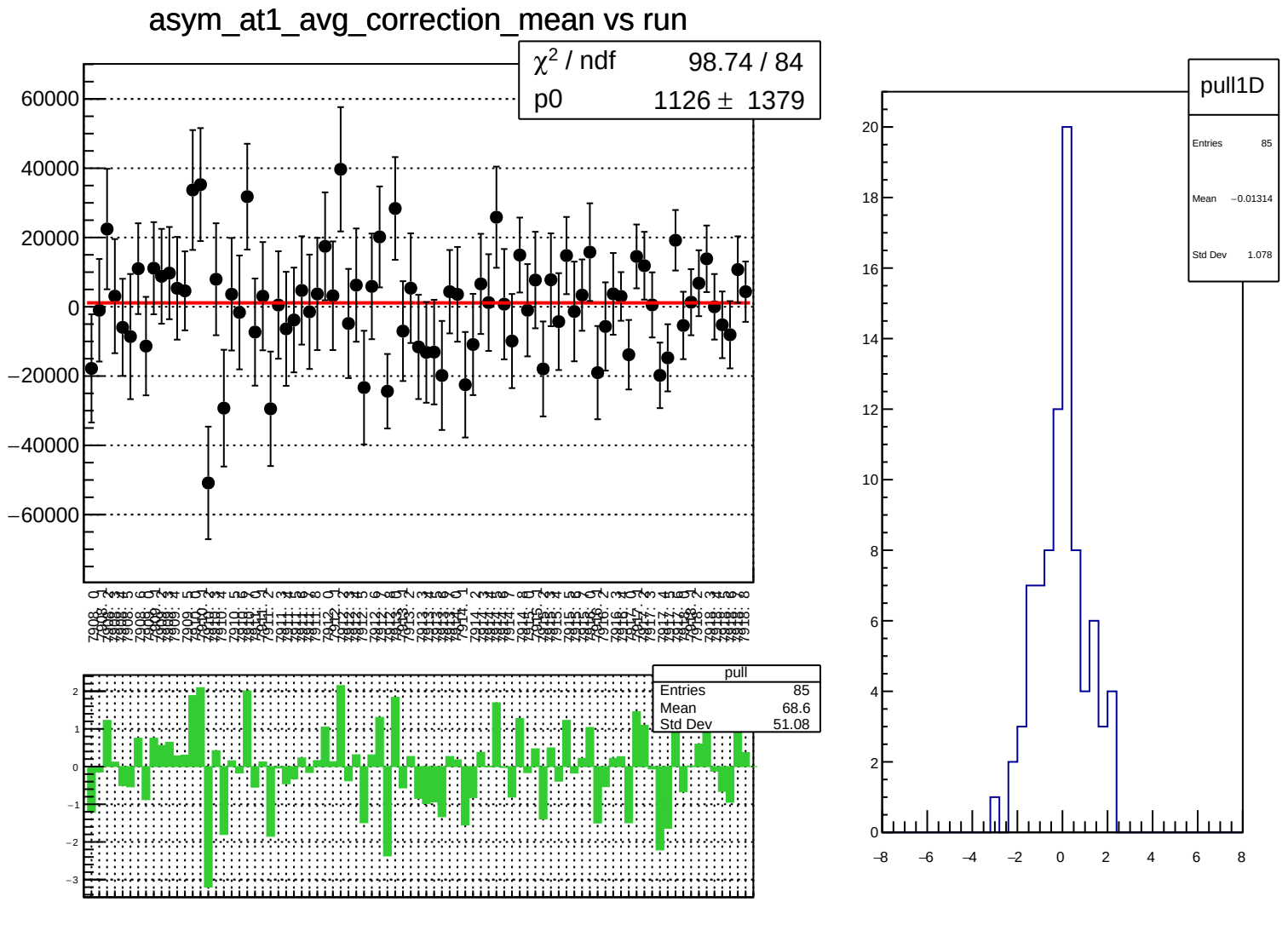

pull1D
Entries 85
Mean 0.01034
Std Dev 1.088


asym_usr_rms vs run
χ2 / ndf 6.285e+04 / 84
p0 4160 ± 3.317
6000
5500
5000
4500
4000
3500
3000

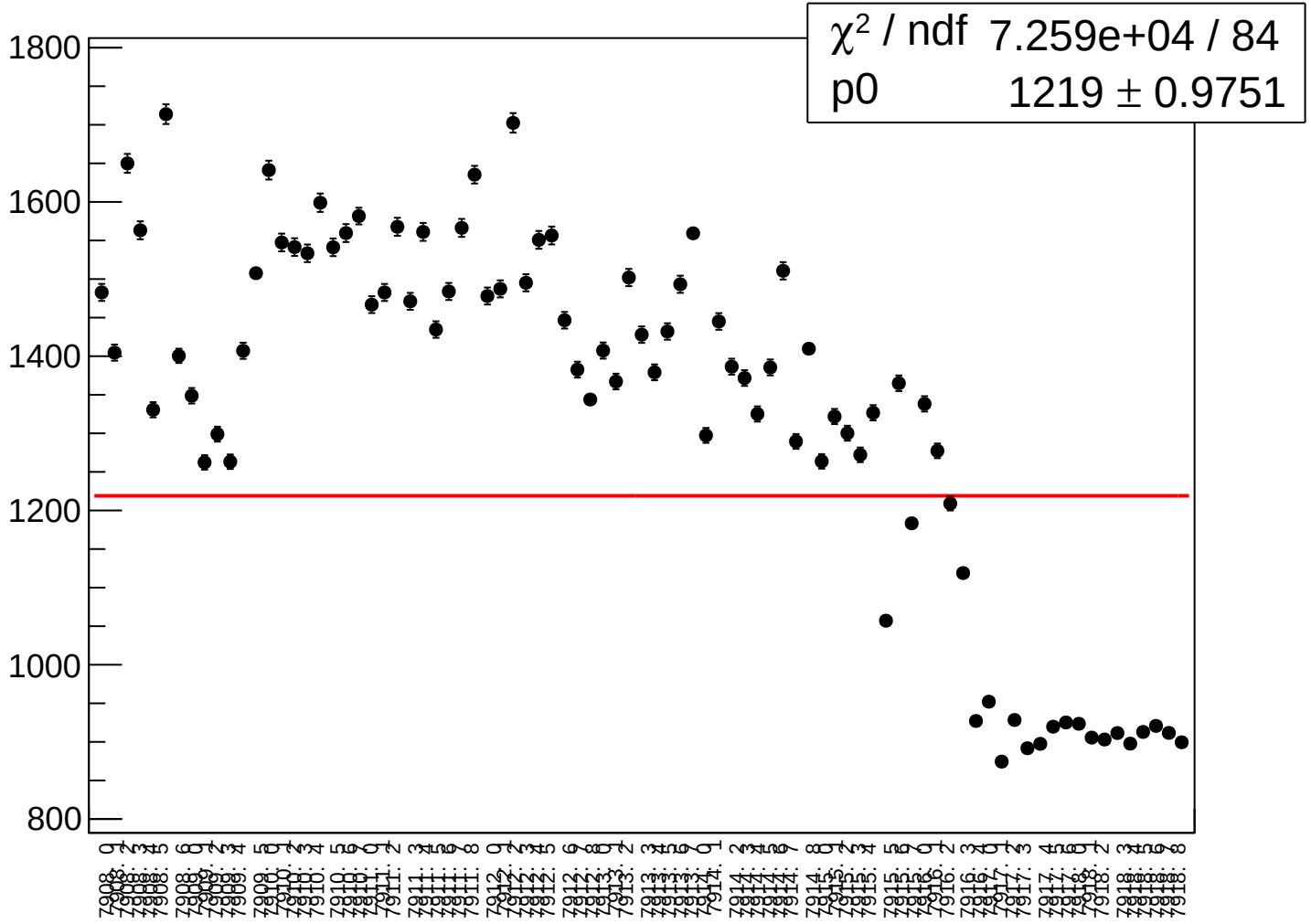

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 85.57 / 84
p0 −1194 ± 2151
50
0
−50
−100
−150
pull
Entries 85
Mean 0.9535
Std Dev 43.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

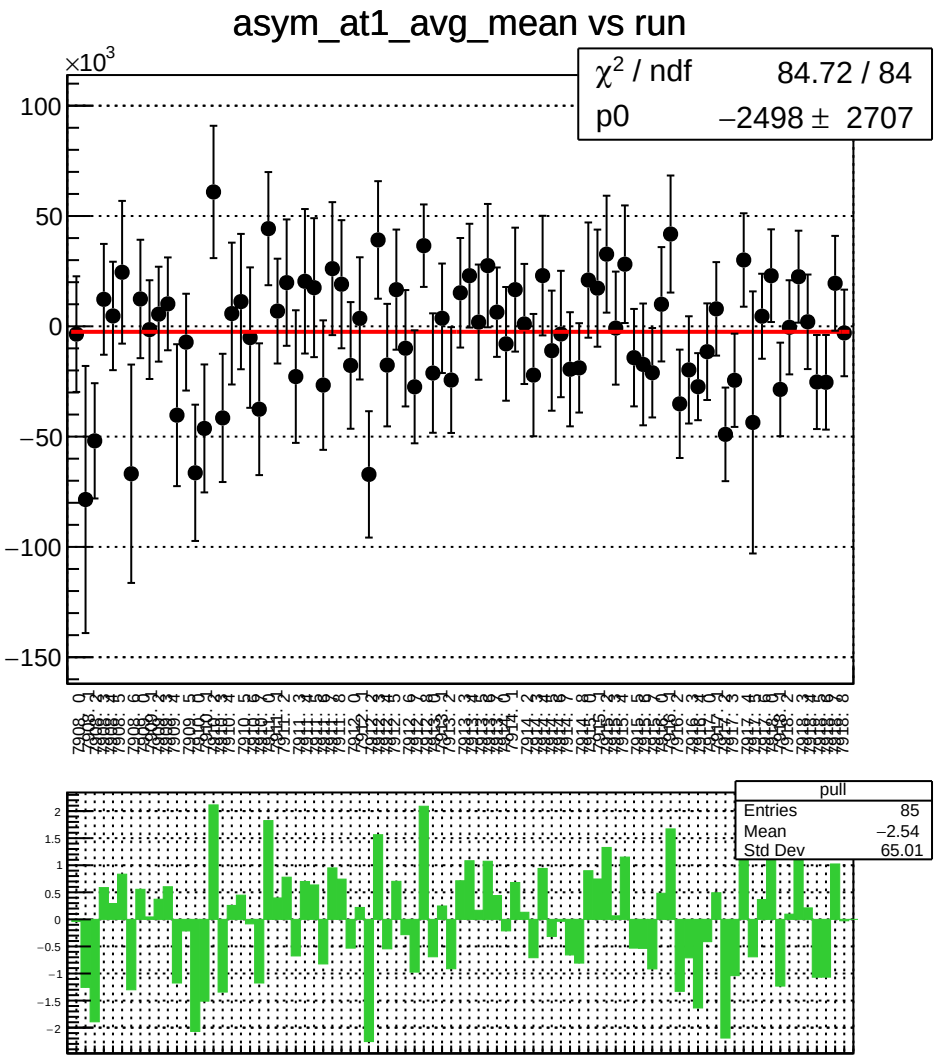

pull1D
Entries 85
Mean −0.02399
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

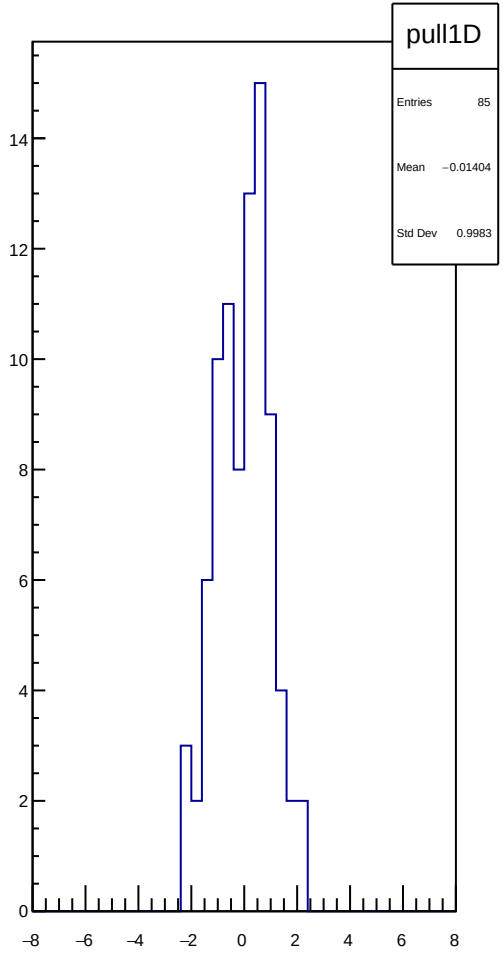

dit_asym_at1_avg_rms vs run
χ² / ndf 2.685e+04 / 84
p0 1929 ± 1.521
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

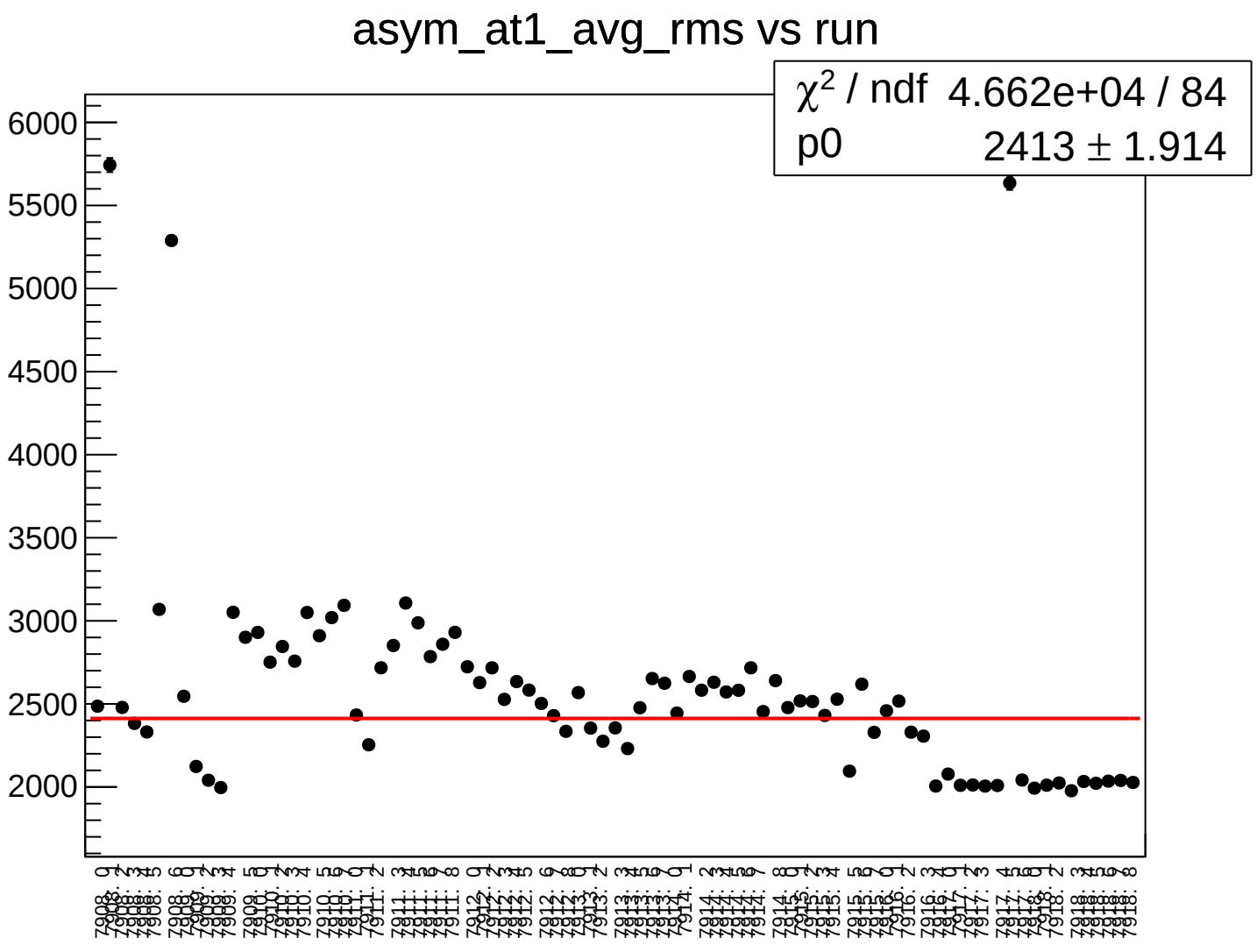

asym_at1_avg_correction_mean vs run
χ² / ndf 98.74 / 84
p0 1126 ± 1379
pull
Entries 85
Mean 68.6
Std Dev 51.08
pull1D
Entries 85
Mean −0.01314
Std Dev 1.078

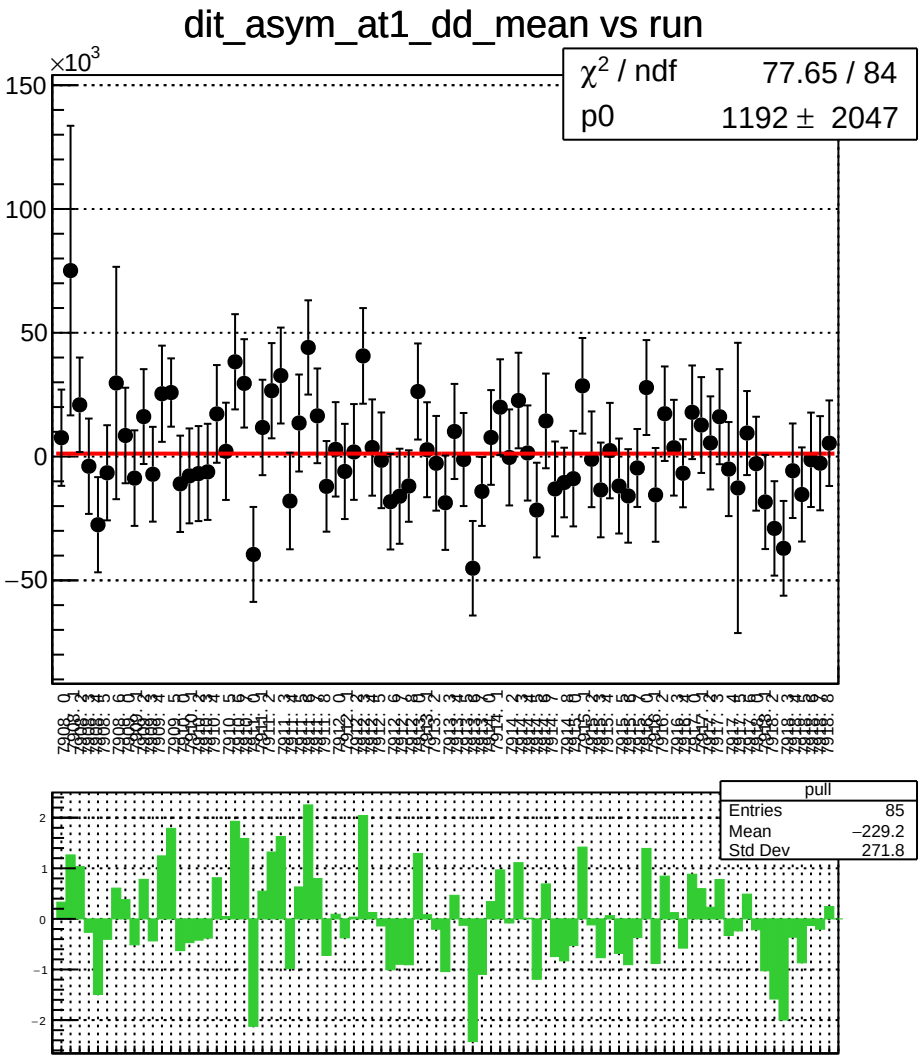
asym_at1_avg_correction_rms vs run

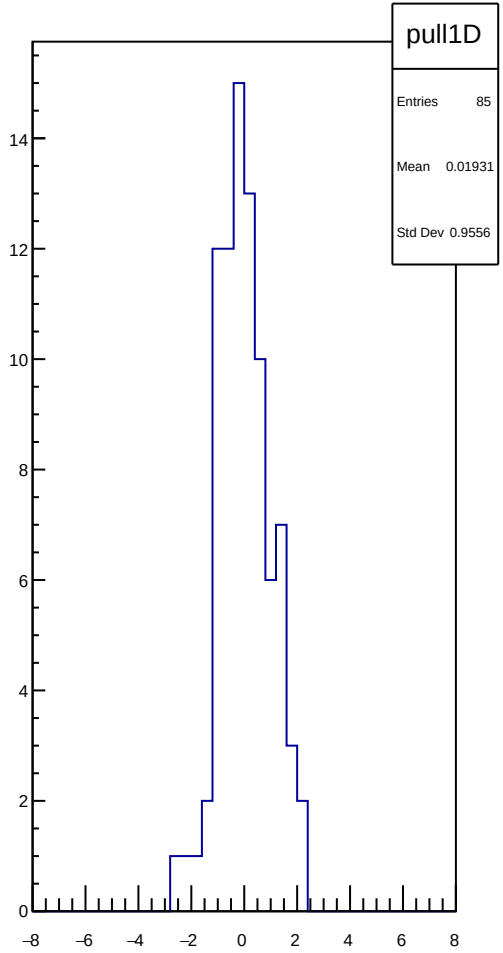



asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 84.72 / 84
p0 −2498 ± 2707
pull
Entries 85
Mean −2.54
Std Dev 65.01

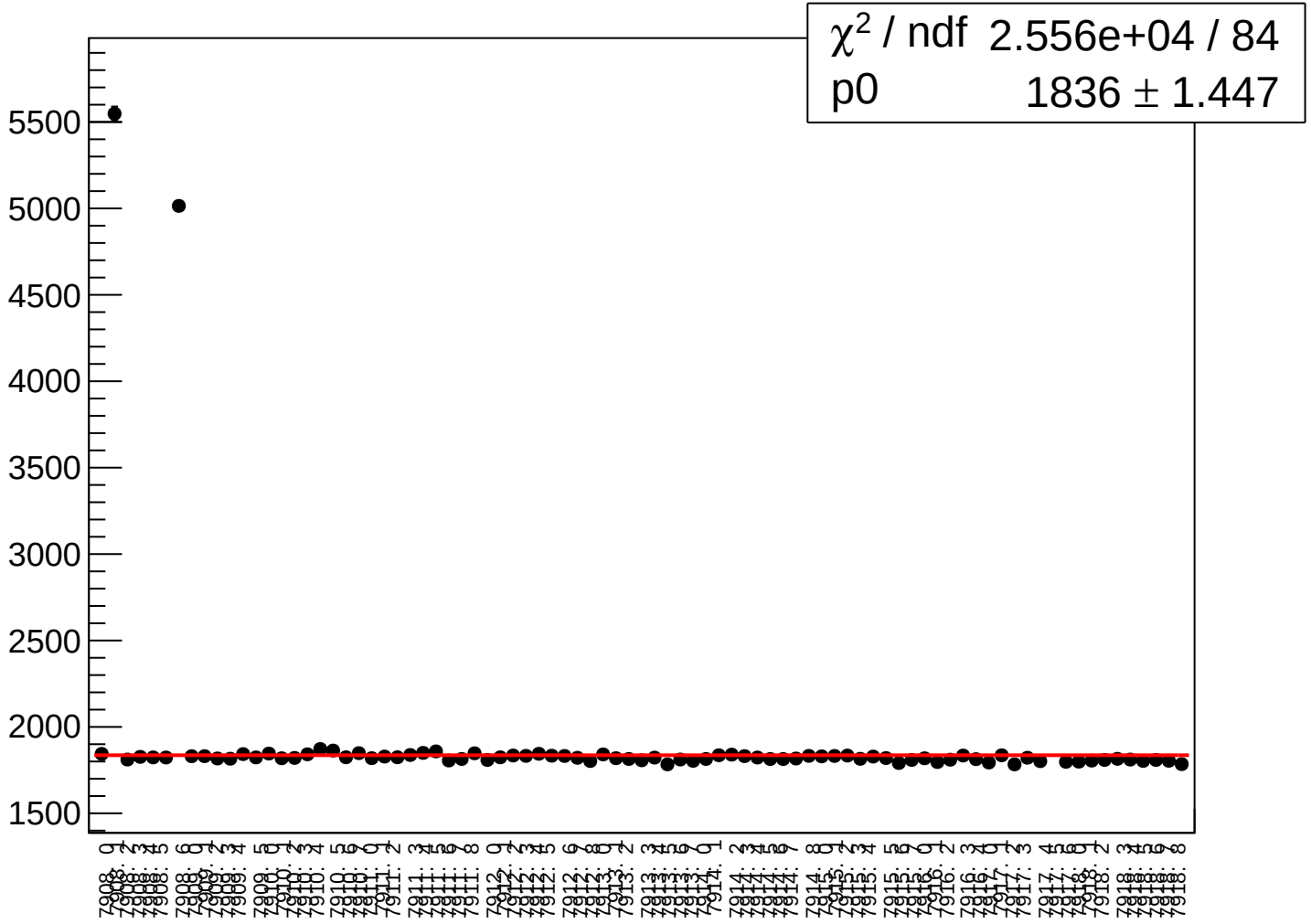

pull1D
Entries 85
Mean −0.01404
Std Dev 0.9983

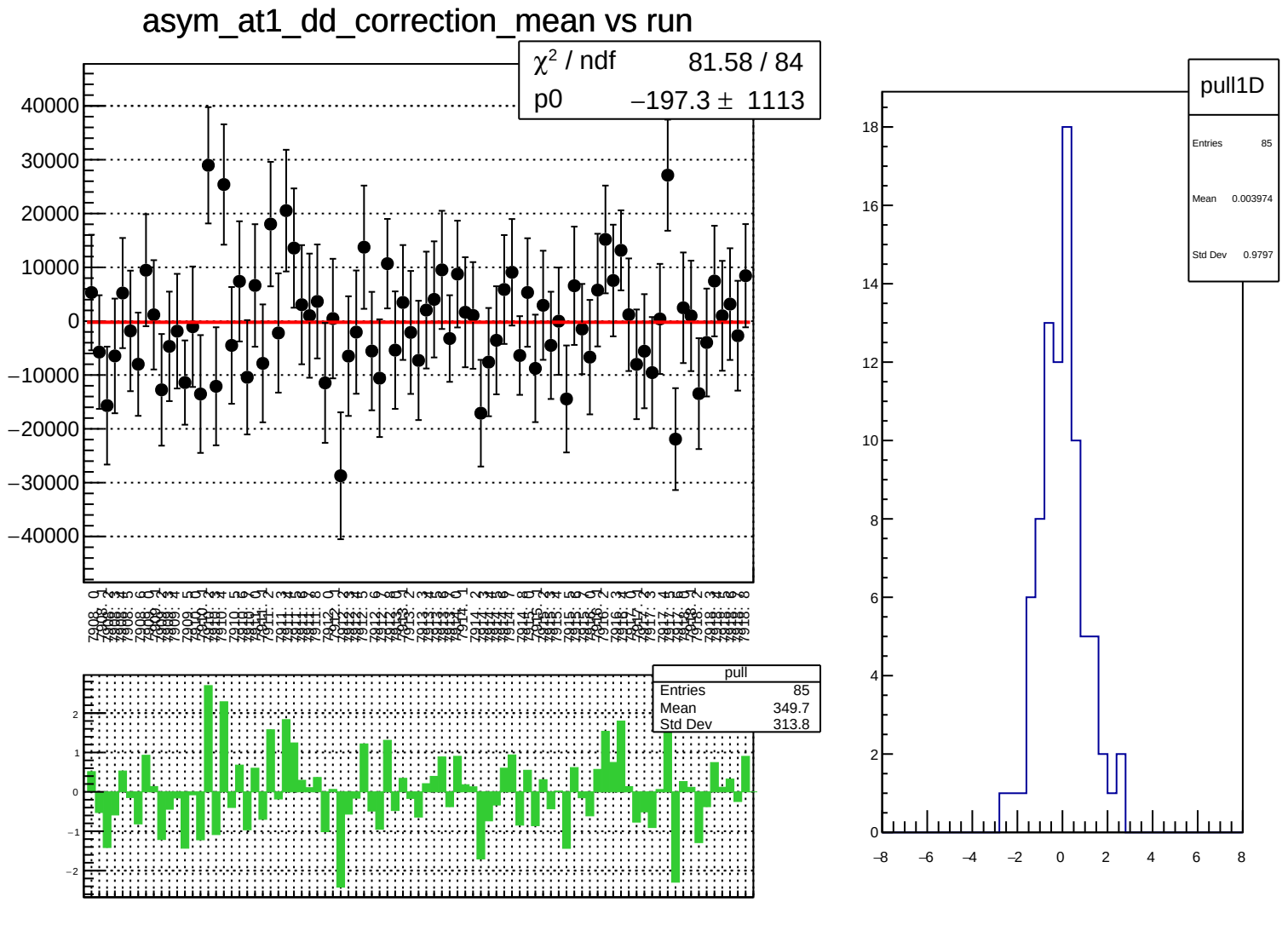

asym_at1_avg_rms vs run
χ² / ndf 4.662e+04 / 84
p0 2413 ± 1.914
6000
5500
5000
4500
4000
3500
3000
2500
2000


dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 77.65 / 84
p0 1192 ± 2047
pull
Entries 85
Mean −229.2
Std Dev 271.8

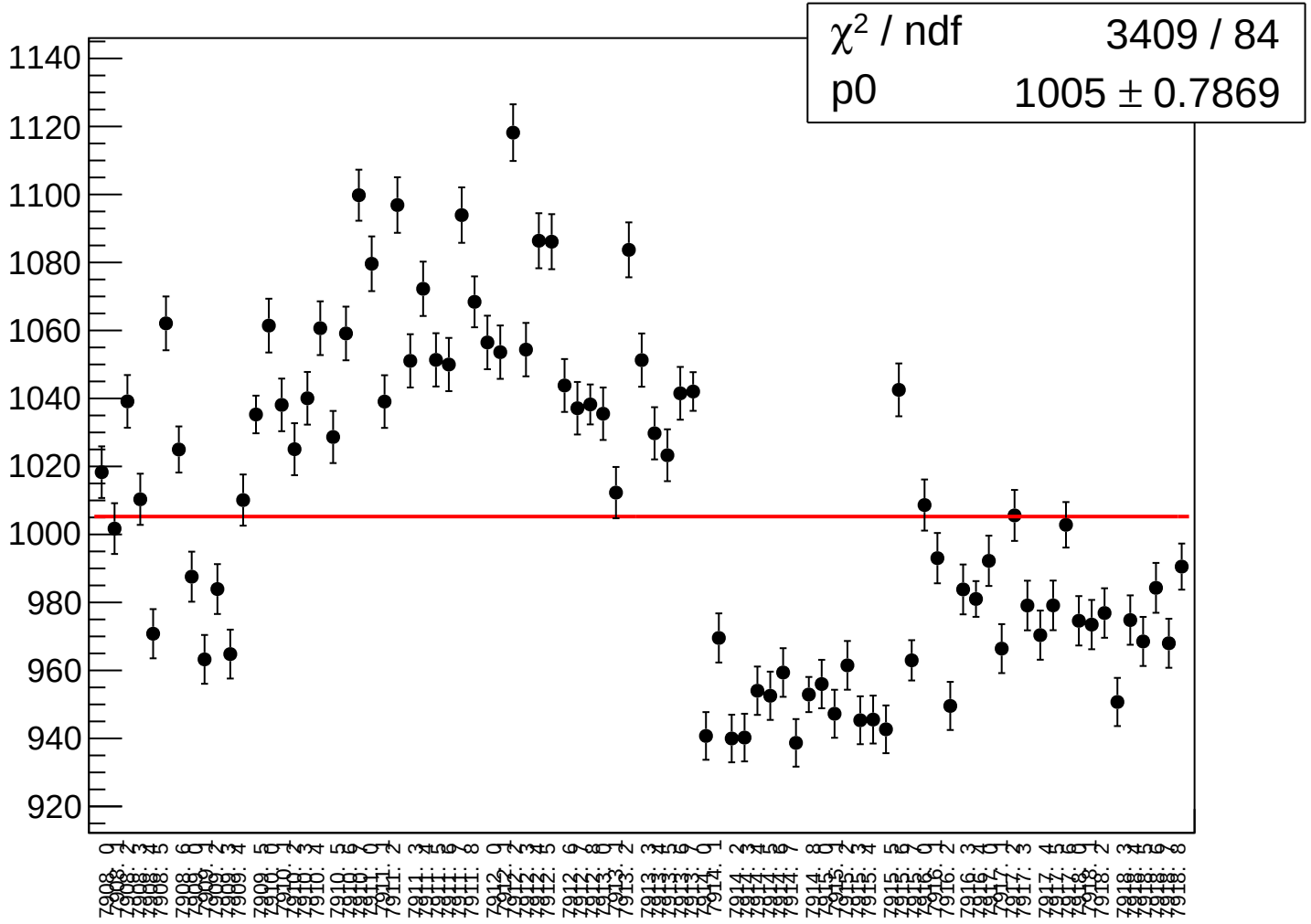

pull1D
Entries 85
Mean 0.01931
Std Dev 0.9556

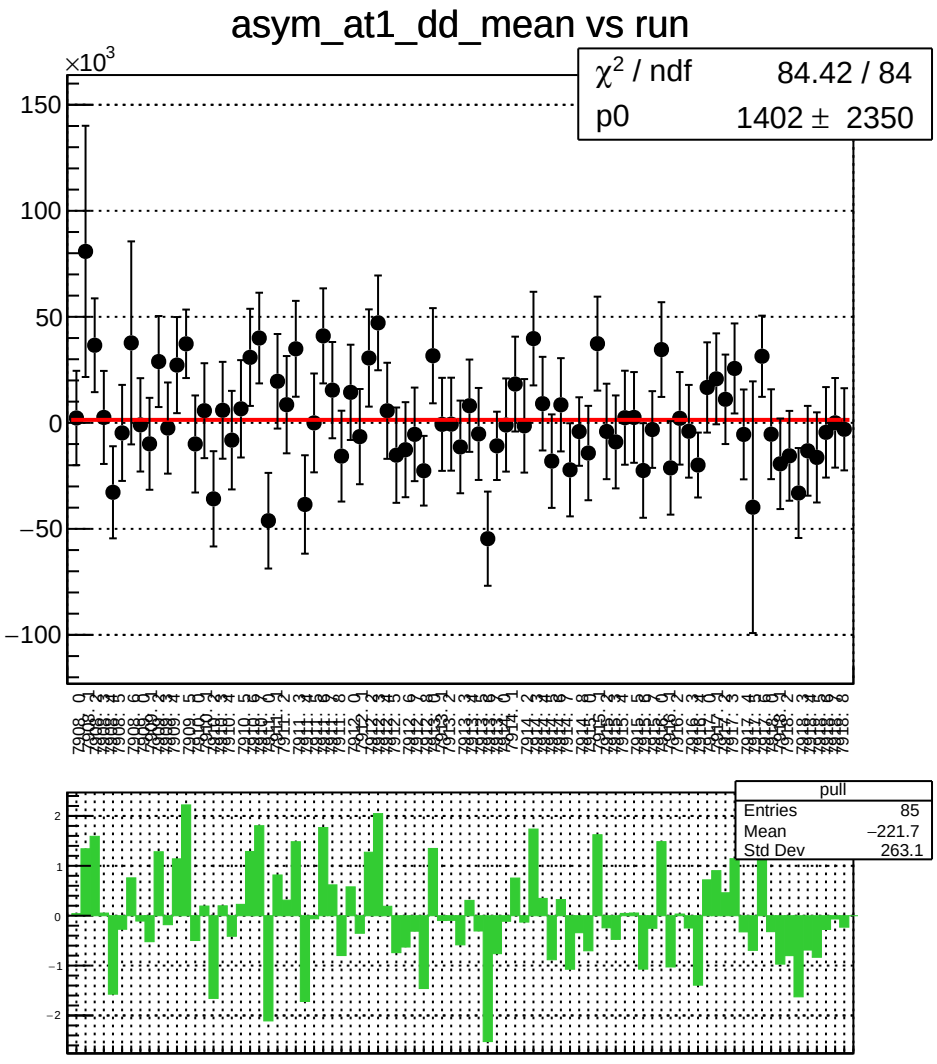
dit_asym_at1_dd_rms vs run

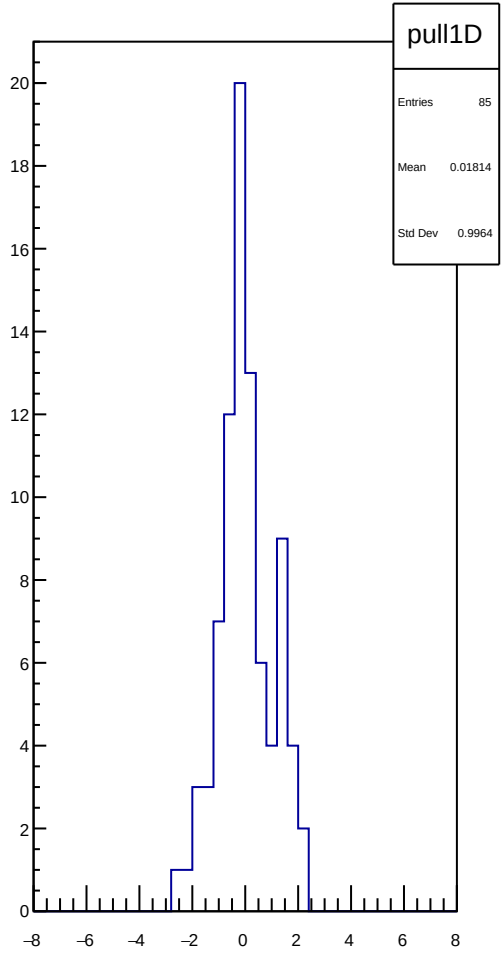



asym_at1_dd_correction_mean vs run
χ² / ndf 81.58 / 84
p0 −197.3 ± 1113
pull
Entries 85
Mean 349.7
Std Dev 313.8
pull1D
Entries 85
Mean 0.003974
Std Dev 0.9797

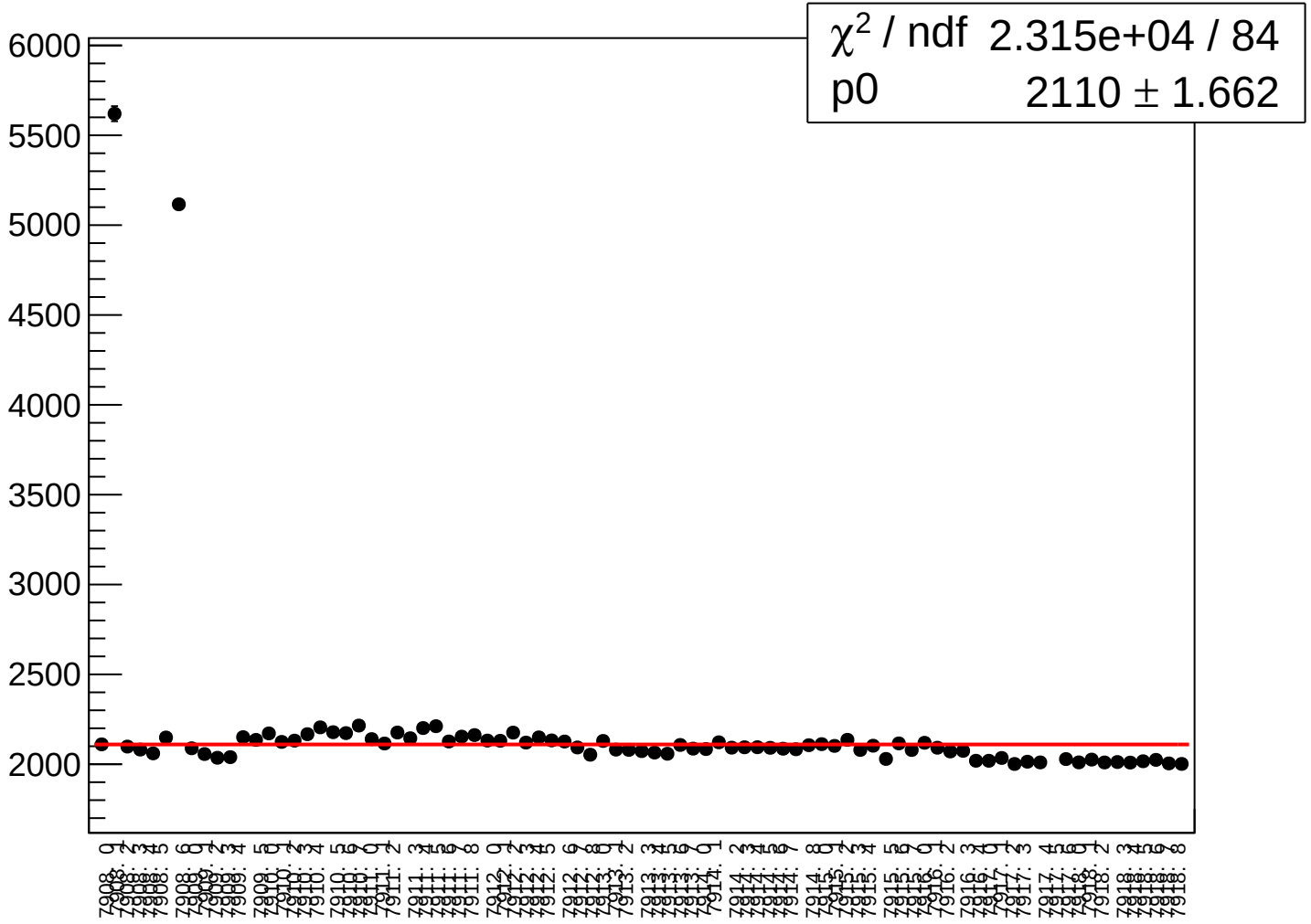
asym_at1_dd_correction_rms vs run

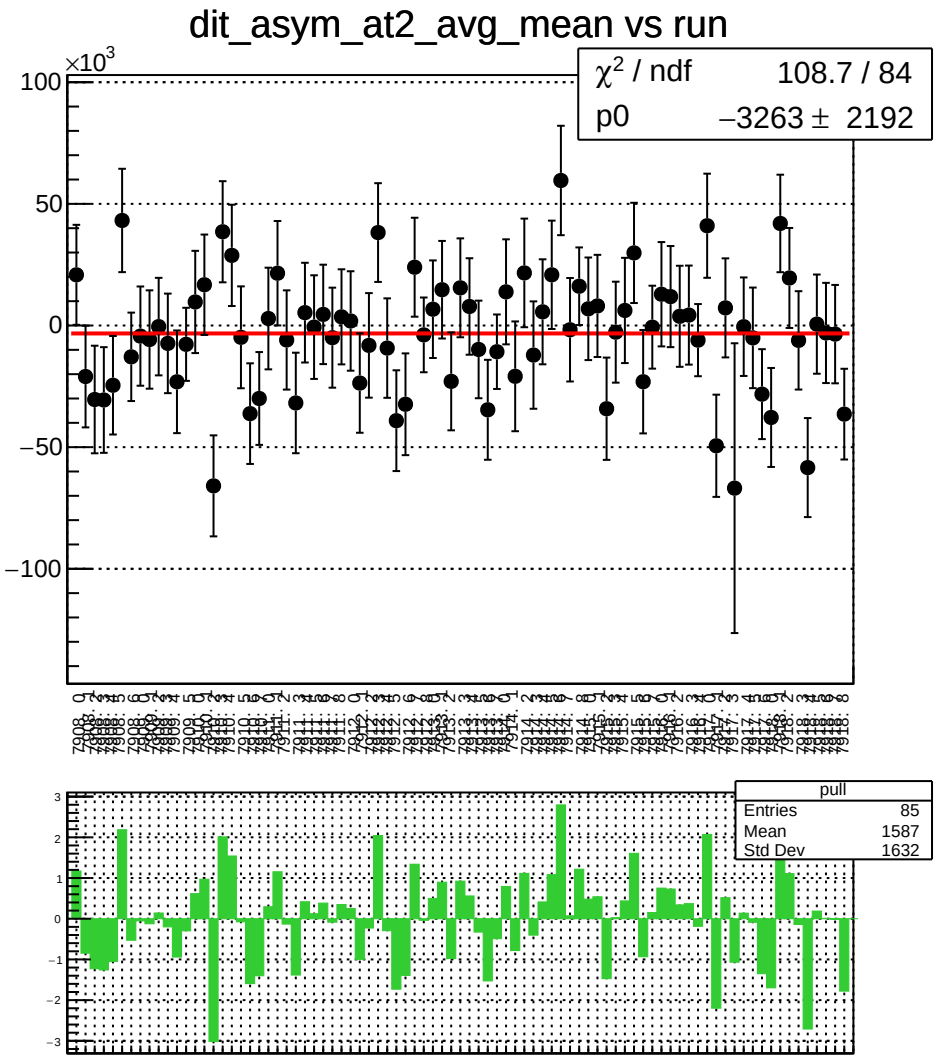


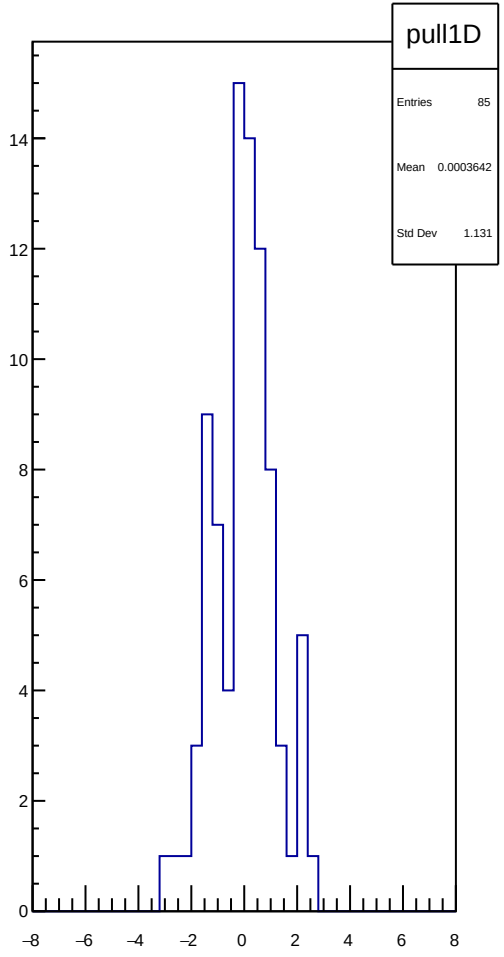

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 84.42 / 84
p0 1402 ± 2350
150
100
50
0
−50
−100
pull
Entries 85
Mean −221.7
Std Dev 263.1
2
1
0
−1
−2


pull1D
Entries 85
Mean 0.01814
Std Dev 0.9964
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

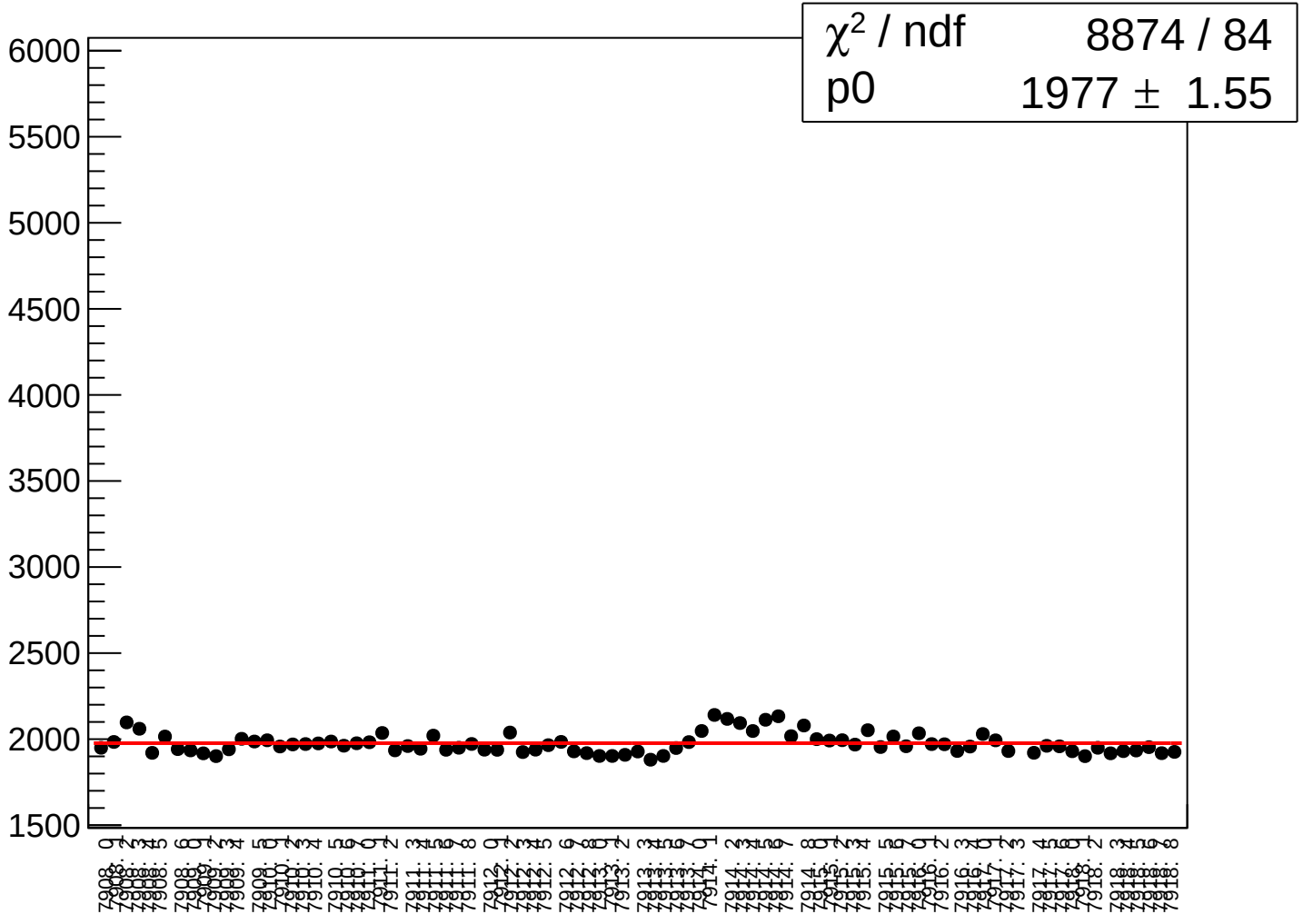
asym_at1_dd_rms vs run

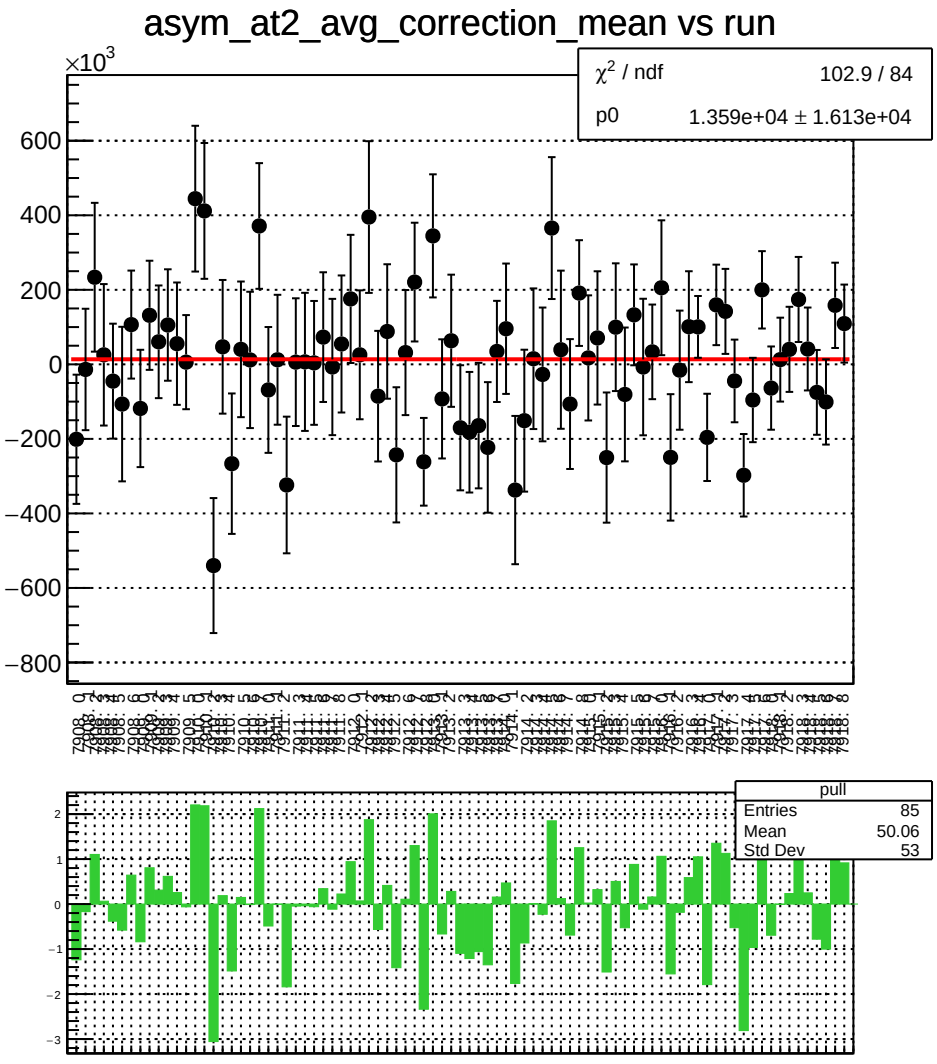


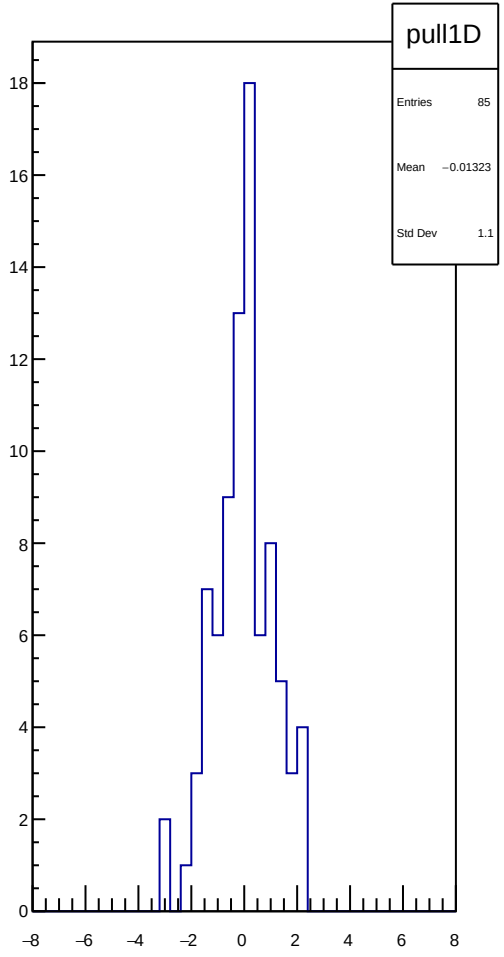

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 108.7 / 84
p0 −3263 ± 2192
pull
Entries 85
Mean 1587
Std Dev 1632


pull1D
Entries 85
Mean 0.0003642
Std Dev 1.131

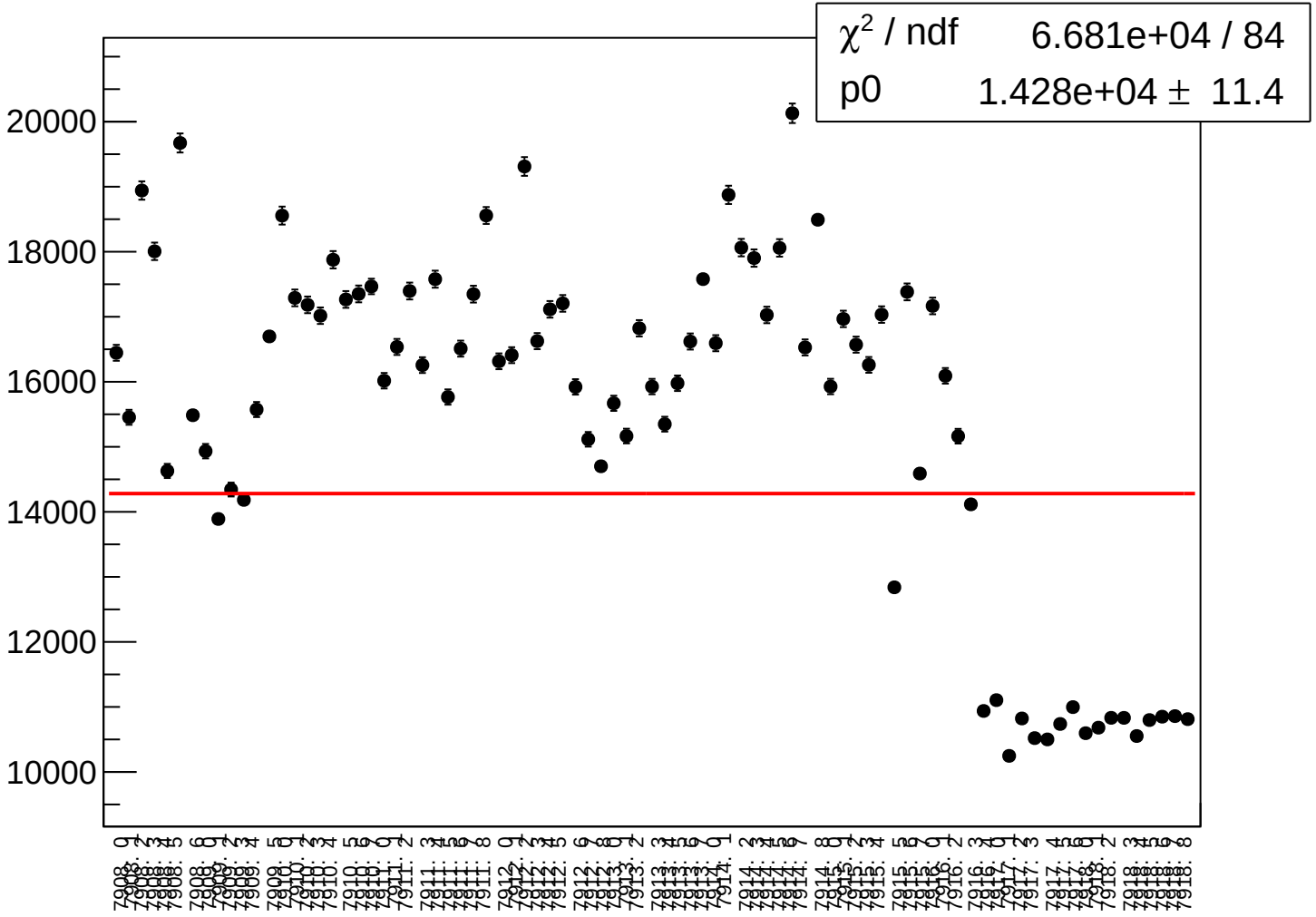
dit_asym_at2_avg_rms vs run

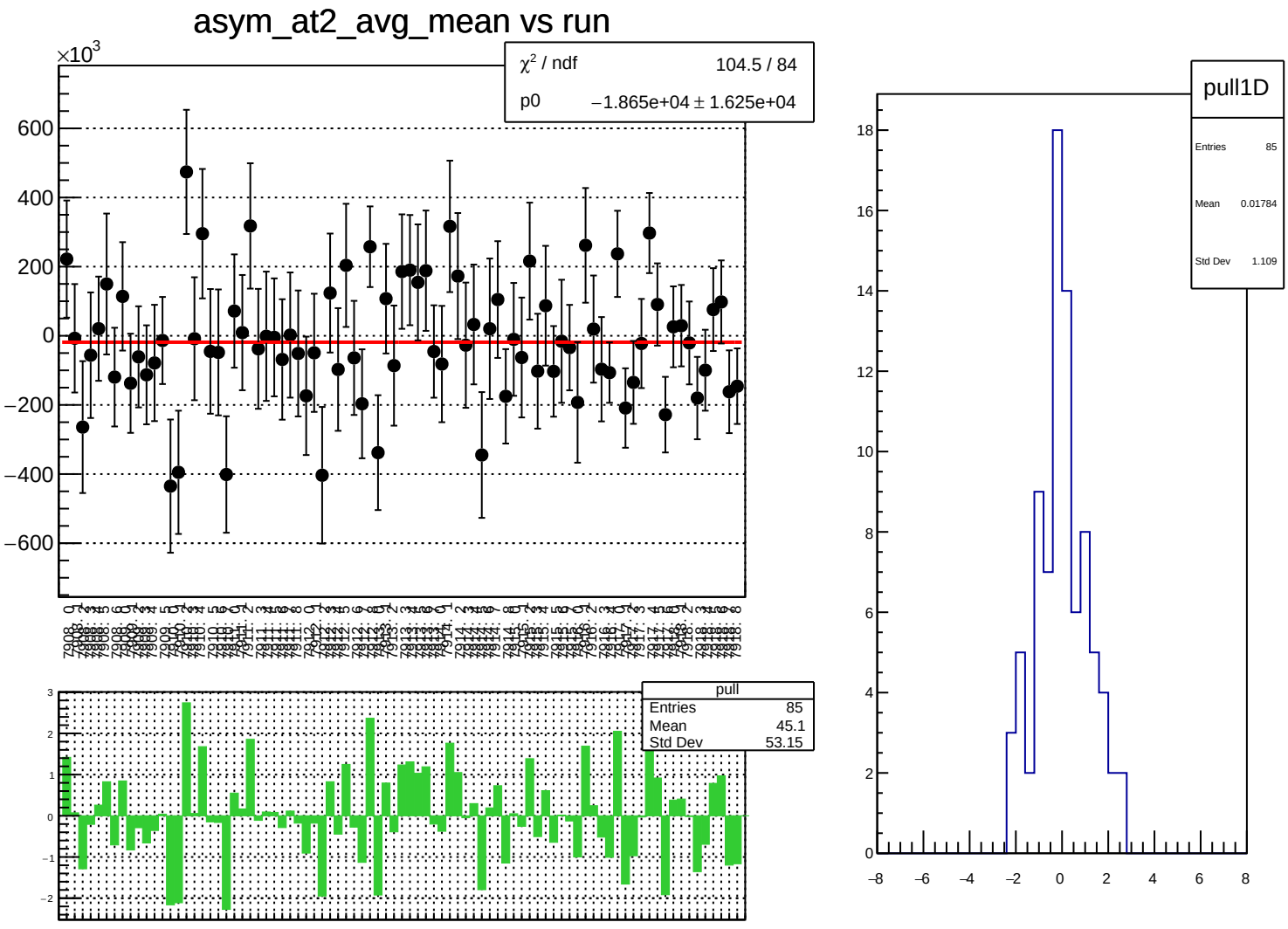


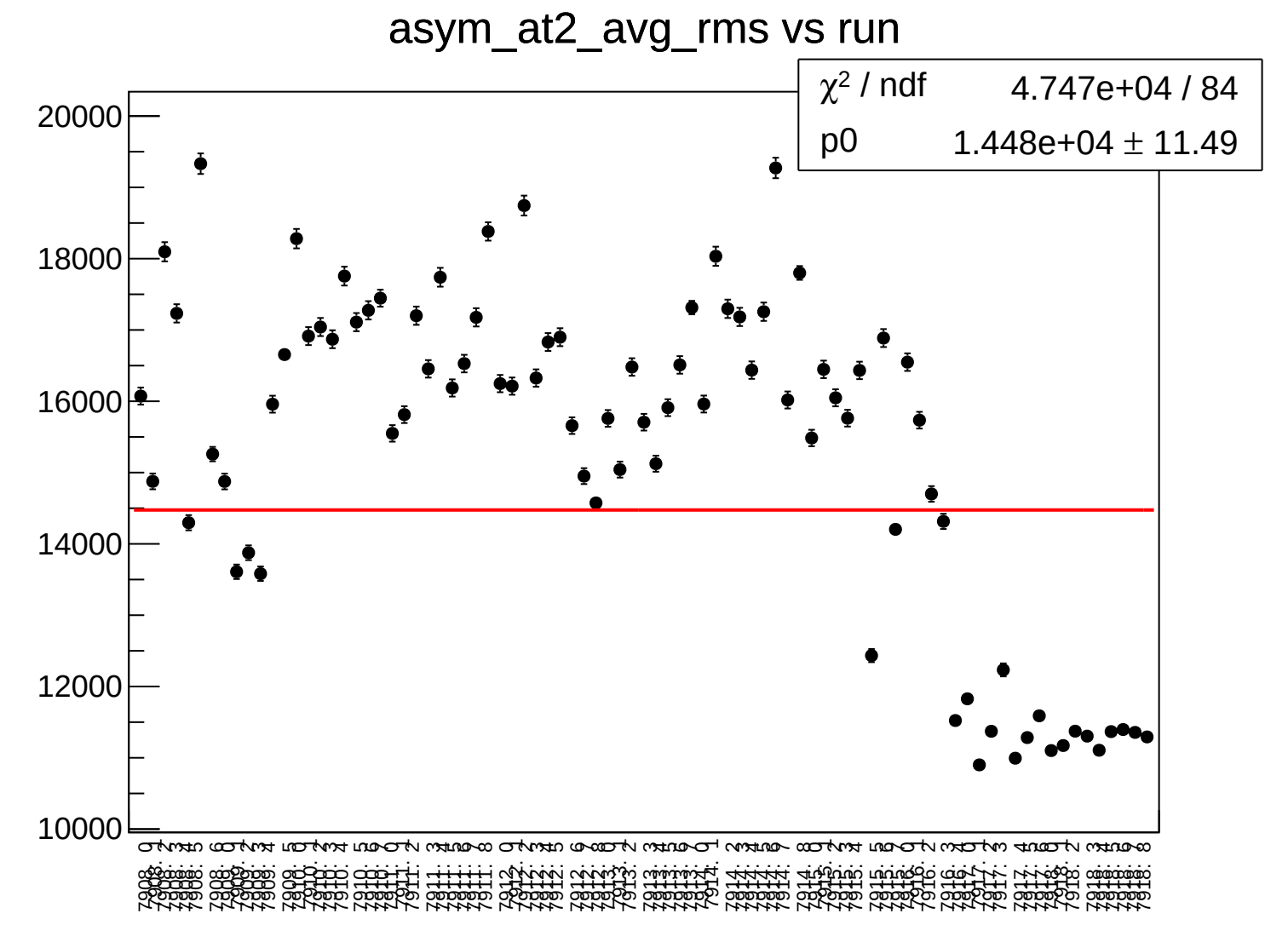

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 102.9 / 84
p0 1.359e+04 ± 1.613e+04
pull
Entries 85
Mean 50.06
Std Dev 53

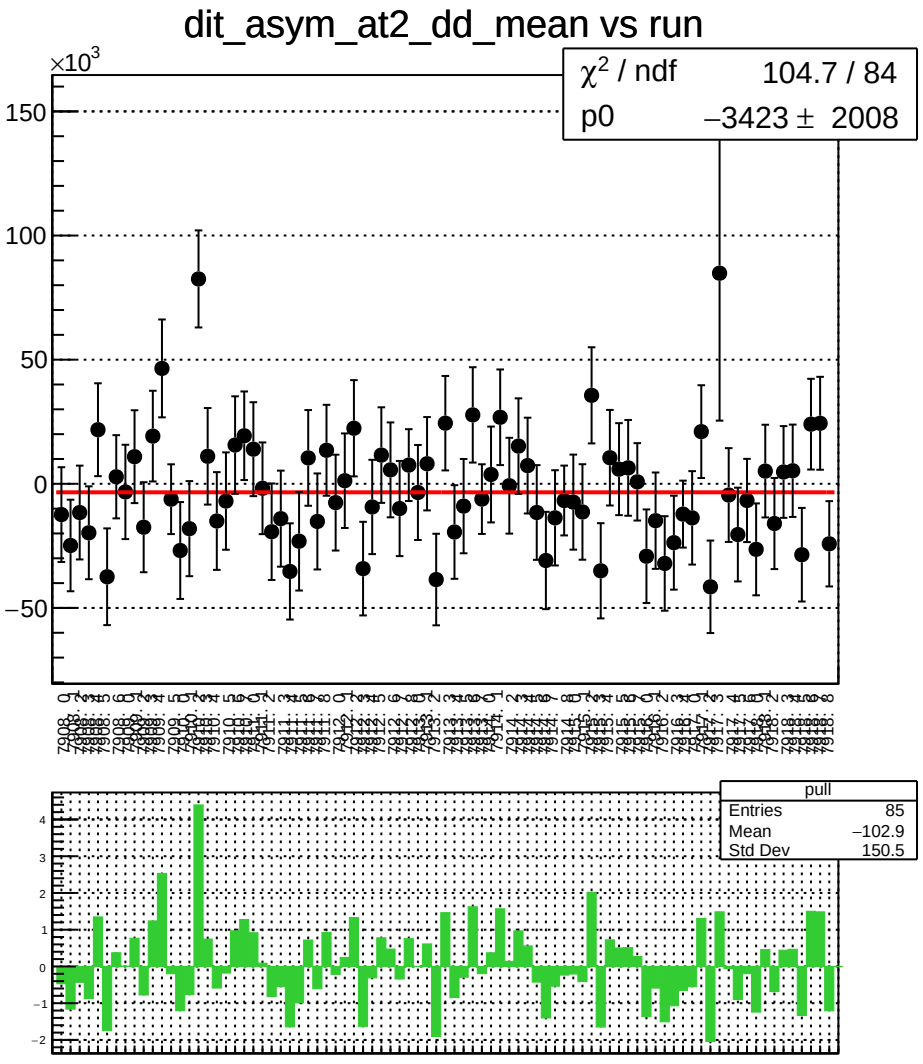

pull1D
Entries 85
Mean −0.01323
Std Dev 1.1

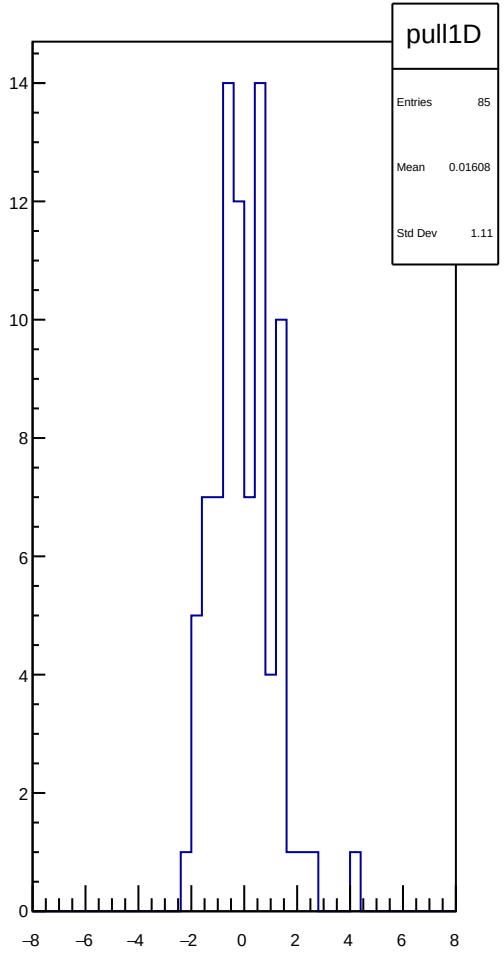
asym_at2_avg_correction_rms vs run



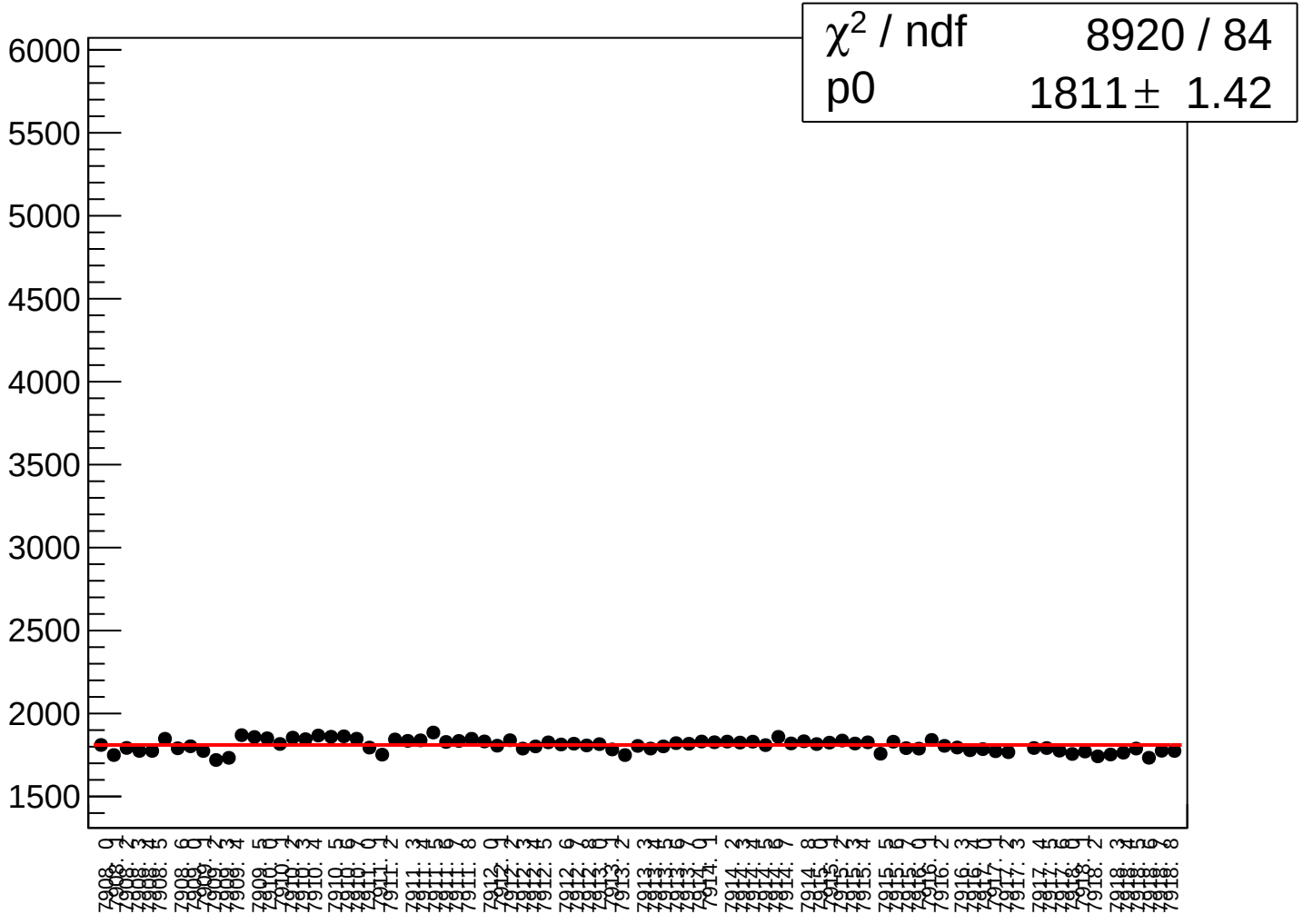

asym_at2_avg_mean vs run
×10^3
χ² / ndf 104.5 / 84
p0 −1.865e+04 ± 1.625e+04
pull
Entries 85
Mean 45.1
Std Dev 53.15
pull1D
Entries 85
Mean 0.01784
Std Dev 1.109

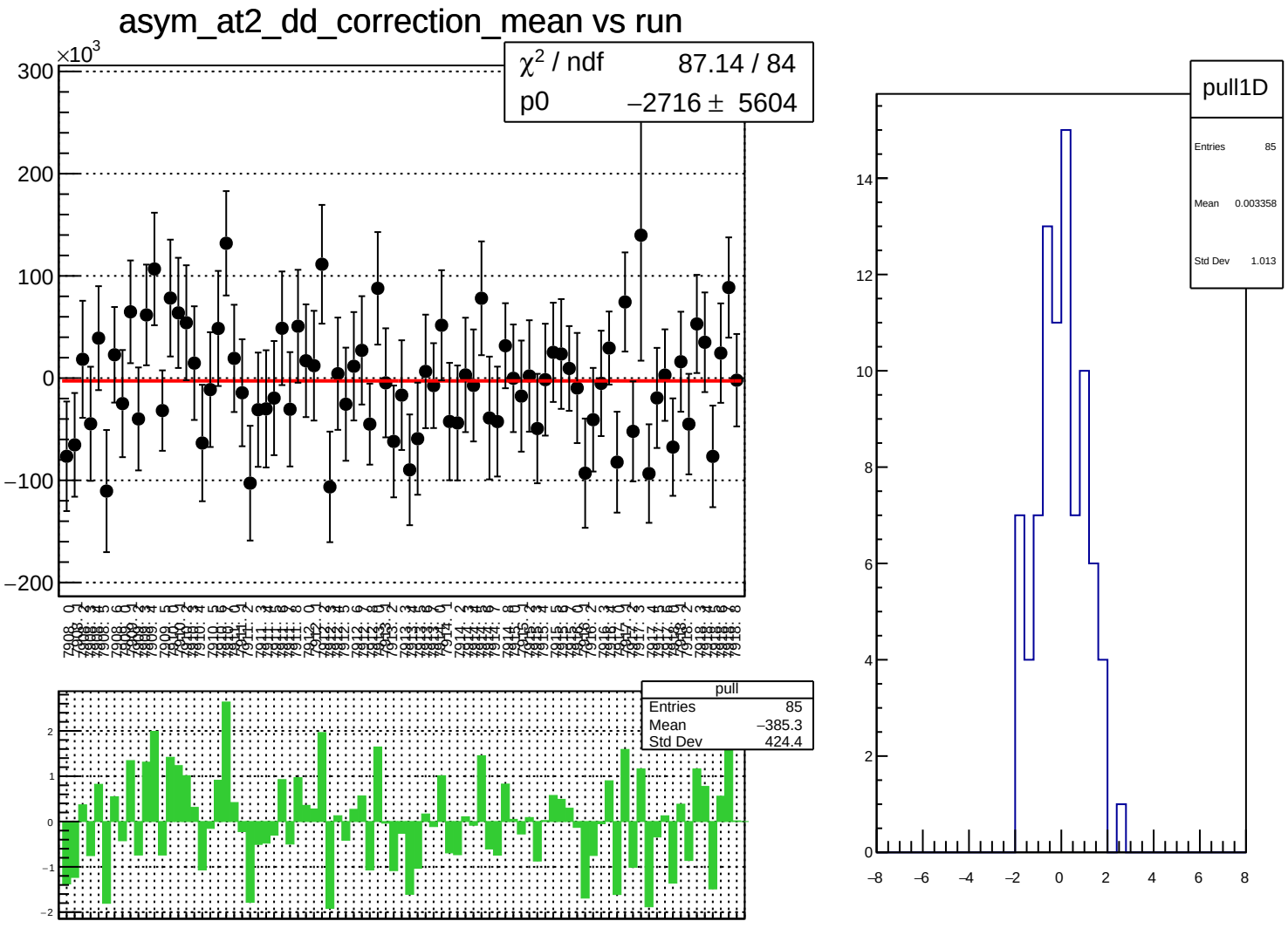

asym_at2_avg_rms vs run
χ² / ndf 4.747e+04 / 84
p0 1.448e+04 ± 11.49
20000
18000
16000
14000
12000
10000

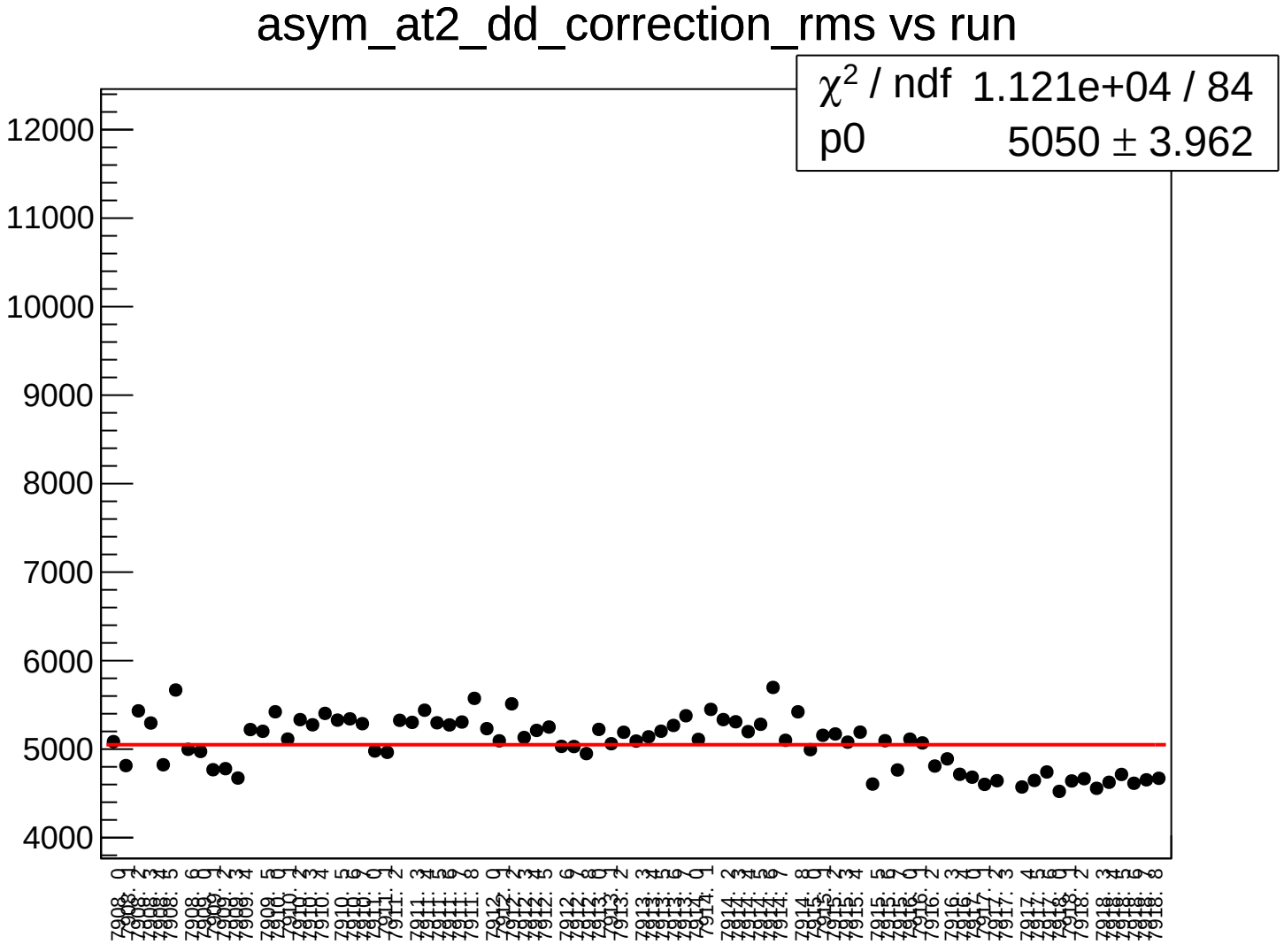

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 104.7 / 84
p0 −3423 ± 2008
150
100
50
0
−50
pull
Entries 85
Mean −102.9
Std Dev 150.5
4
3
2
1
0
−1
−2

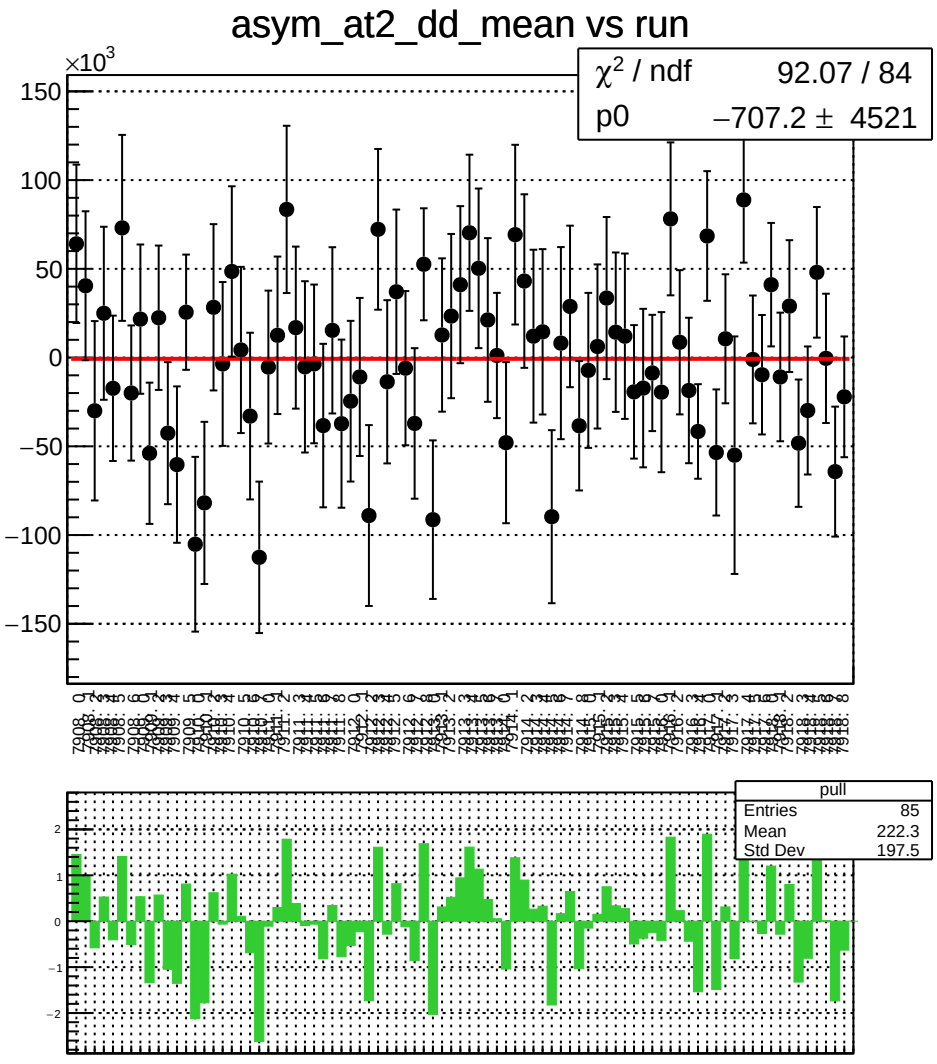

pull1D
Entries 85
Mean 0.01608
Std Dev 1.11
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

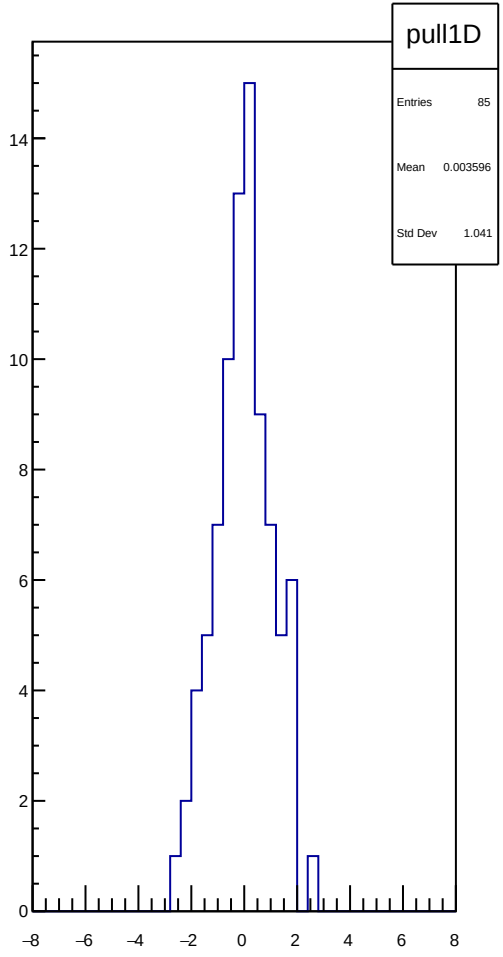
dit_asym_at2_dd_rms vs run



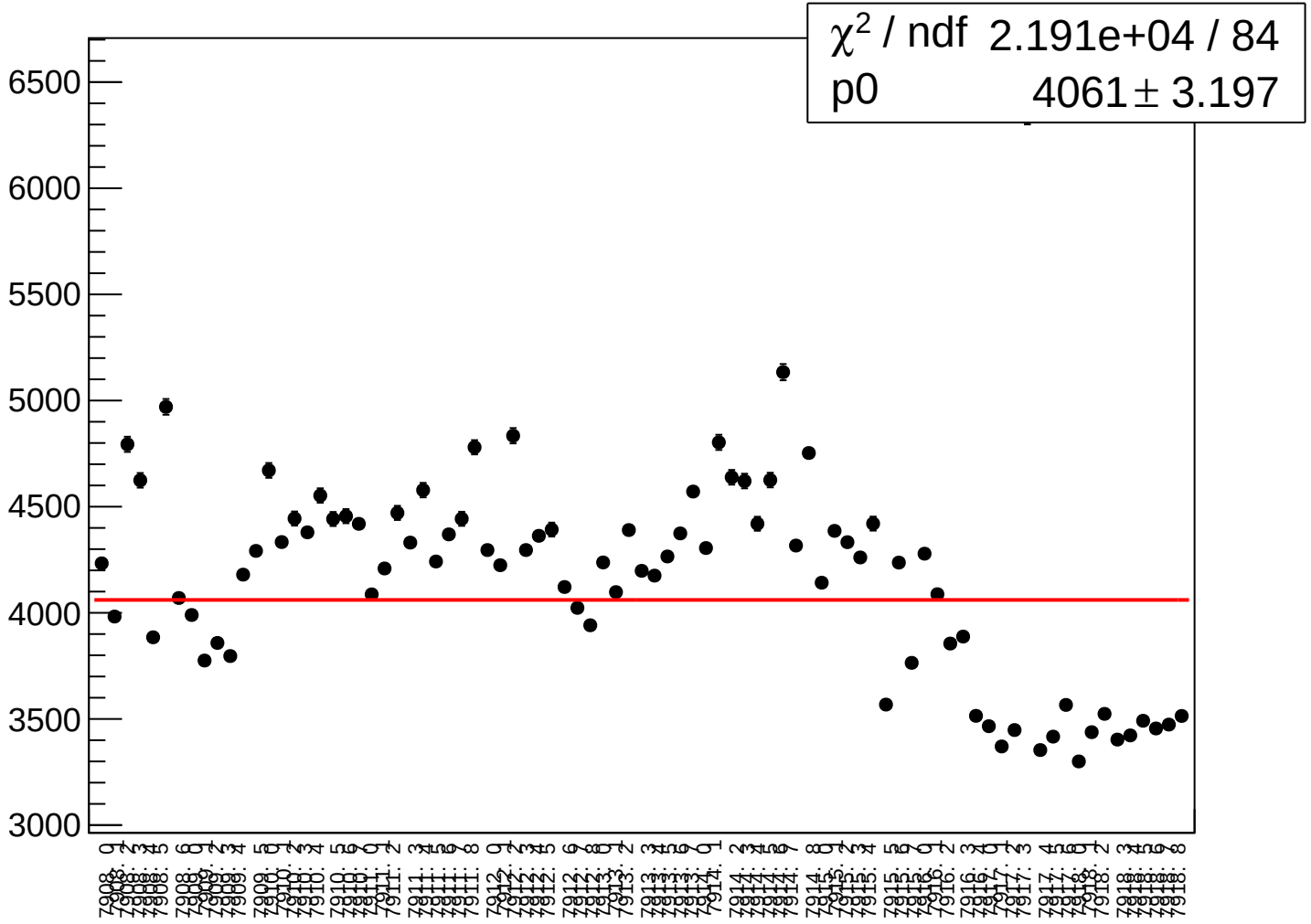

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 87.14 / 84
p0 −2716 ± 5604
pull
Entries 85
Mean −385.3
Std Dev 424.4
pull1D
Entries 85
Mean 0.003358
Std Dev 1.013

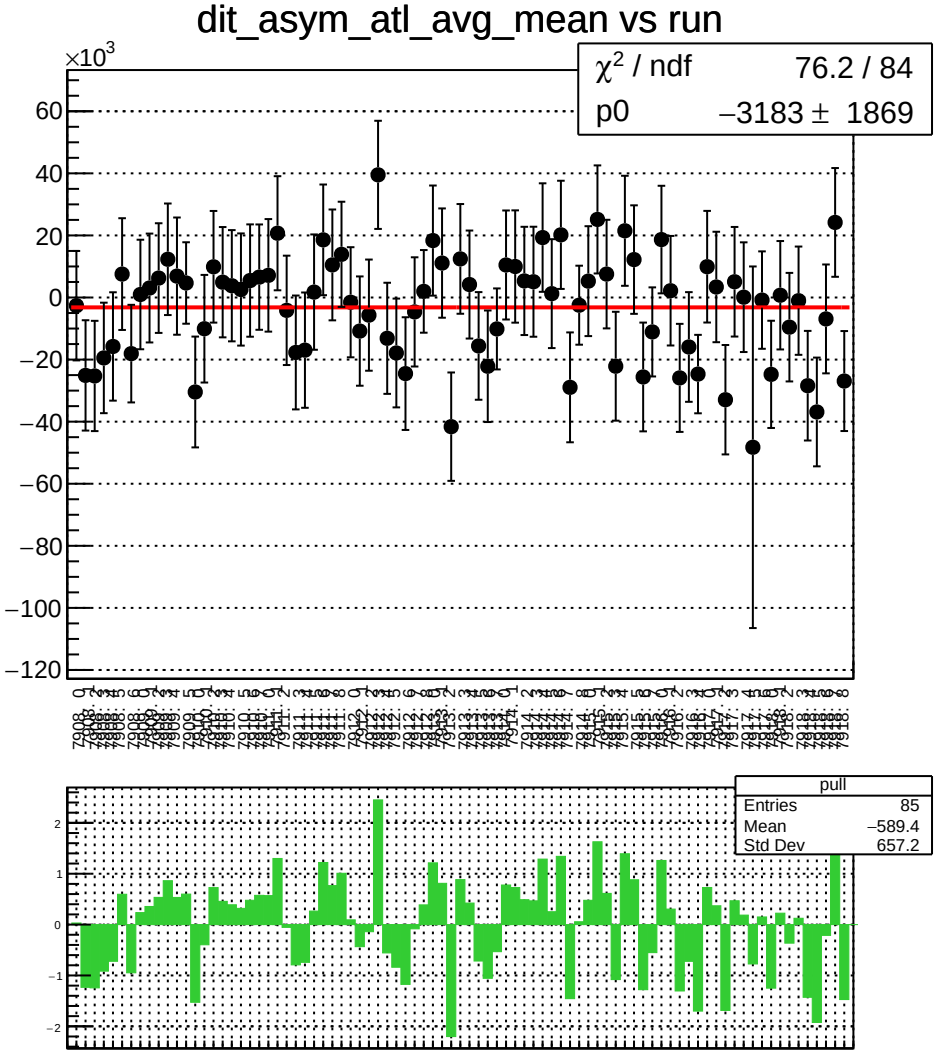

asym_at2_dd_correction_rms vs run
χ2 / ndf 1.121e+04 / 84
p0 5050 ± 3.962
12000
11000
10000
9000
8000
7000
6000
5000
4000

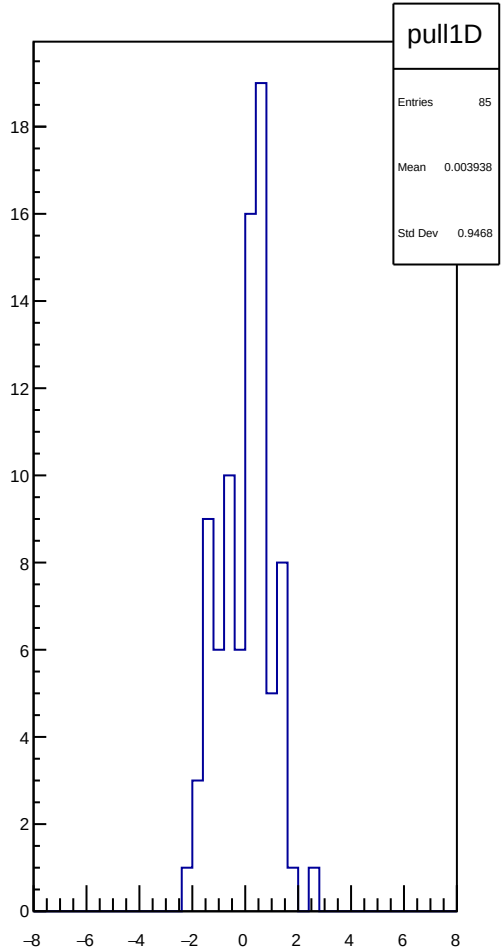

asym_at2_dd_mean vs run
×10^3
χ² / ndf 92.07 / 84
p0 −707.2 ± 4521
pull
Entries 85
Mean 222.3
Std Dev 197.5

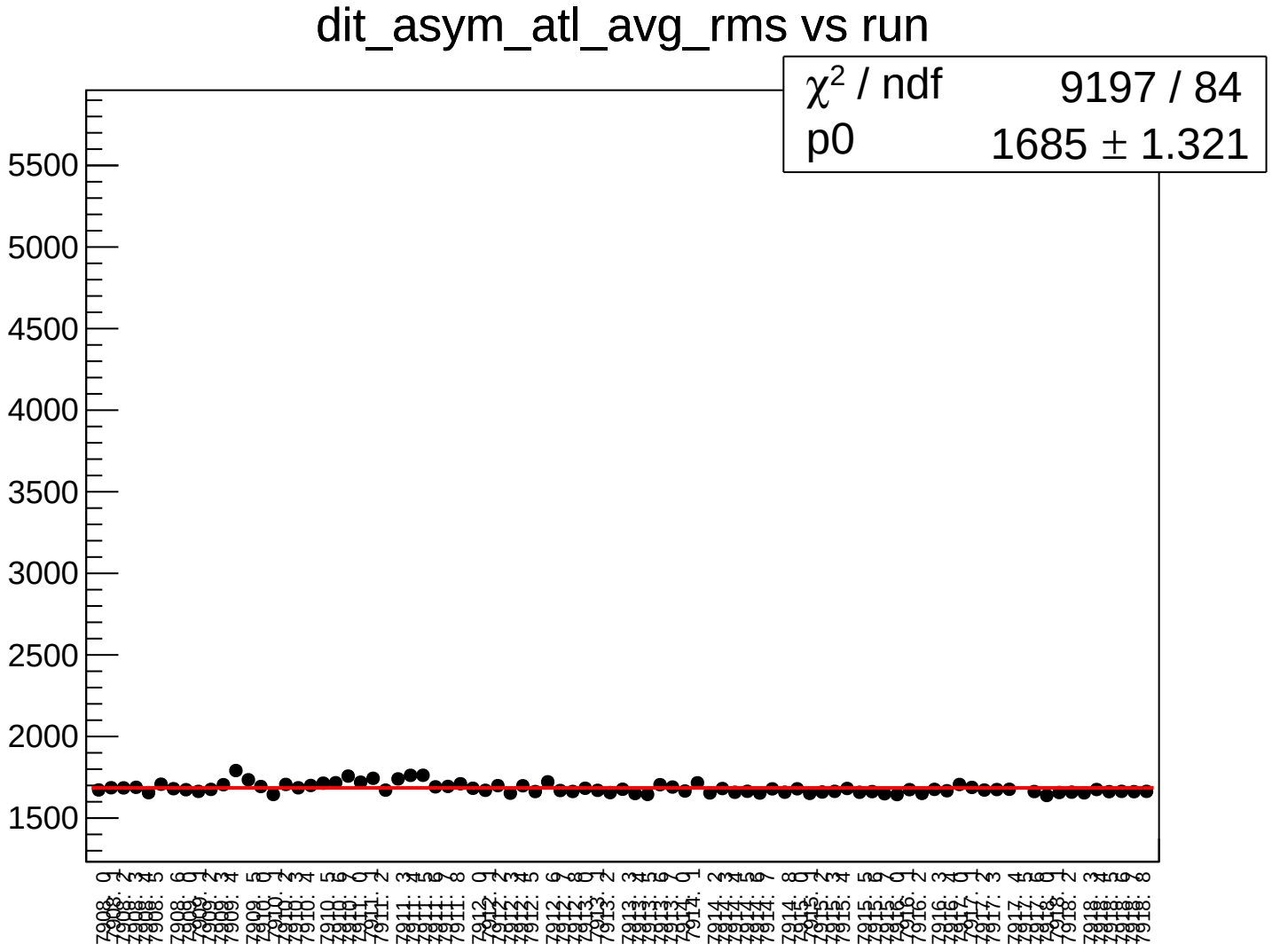

pull1D
Entries 85
Mean 0.003596
Std Dev 1.041

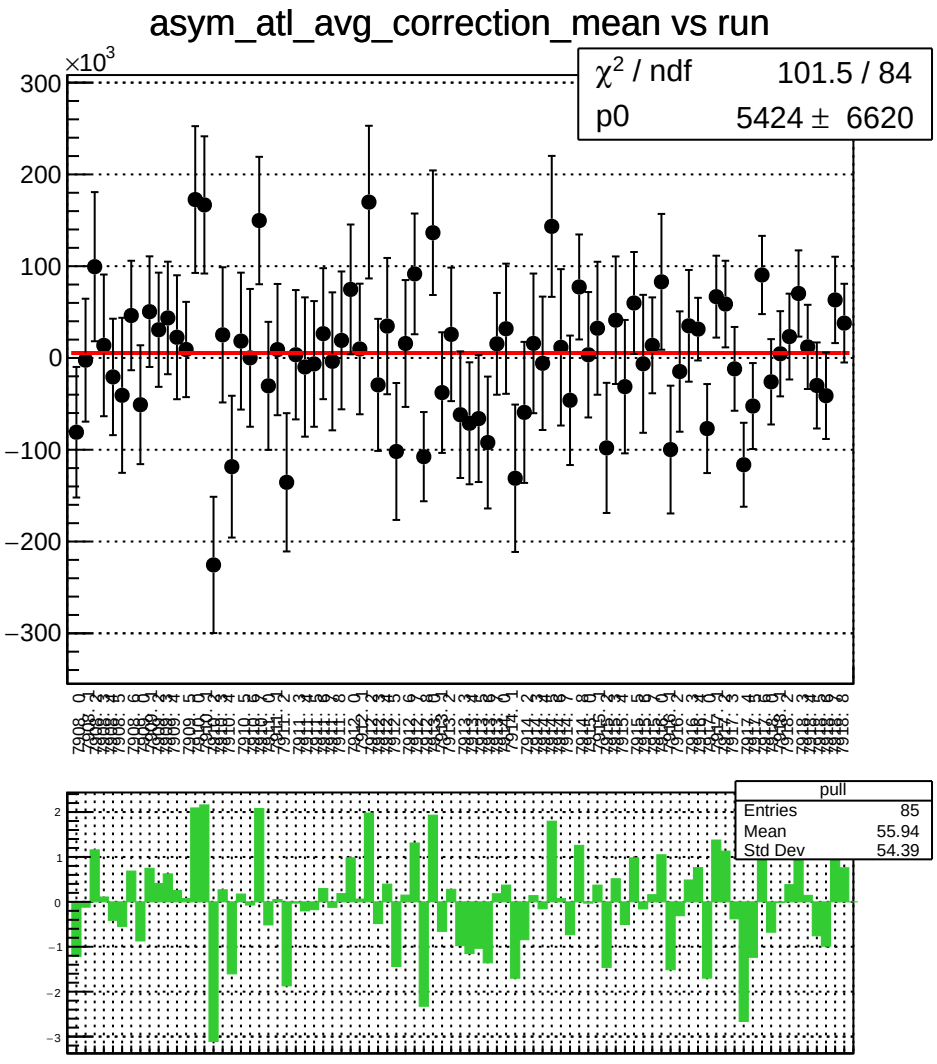
asym_at2_dd_rms vs run

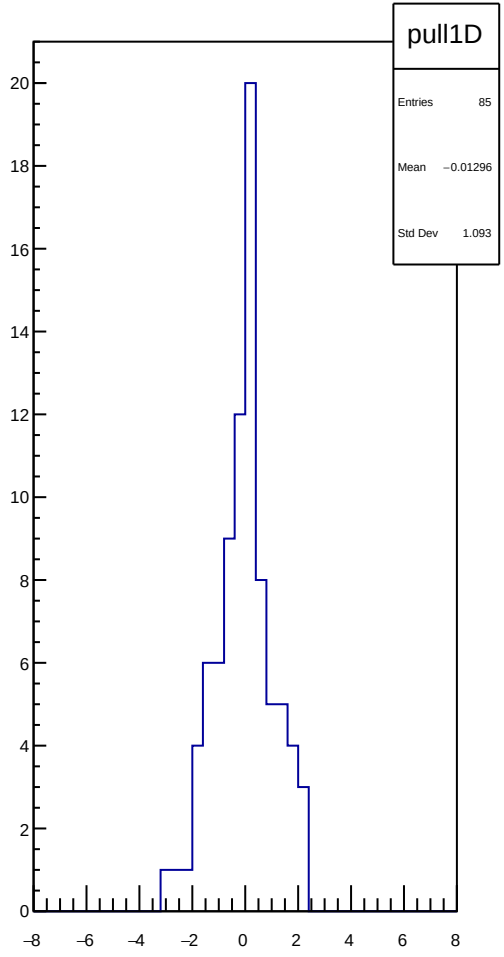


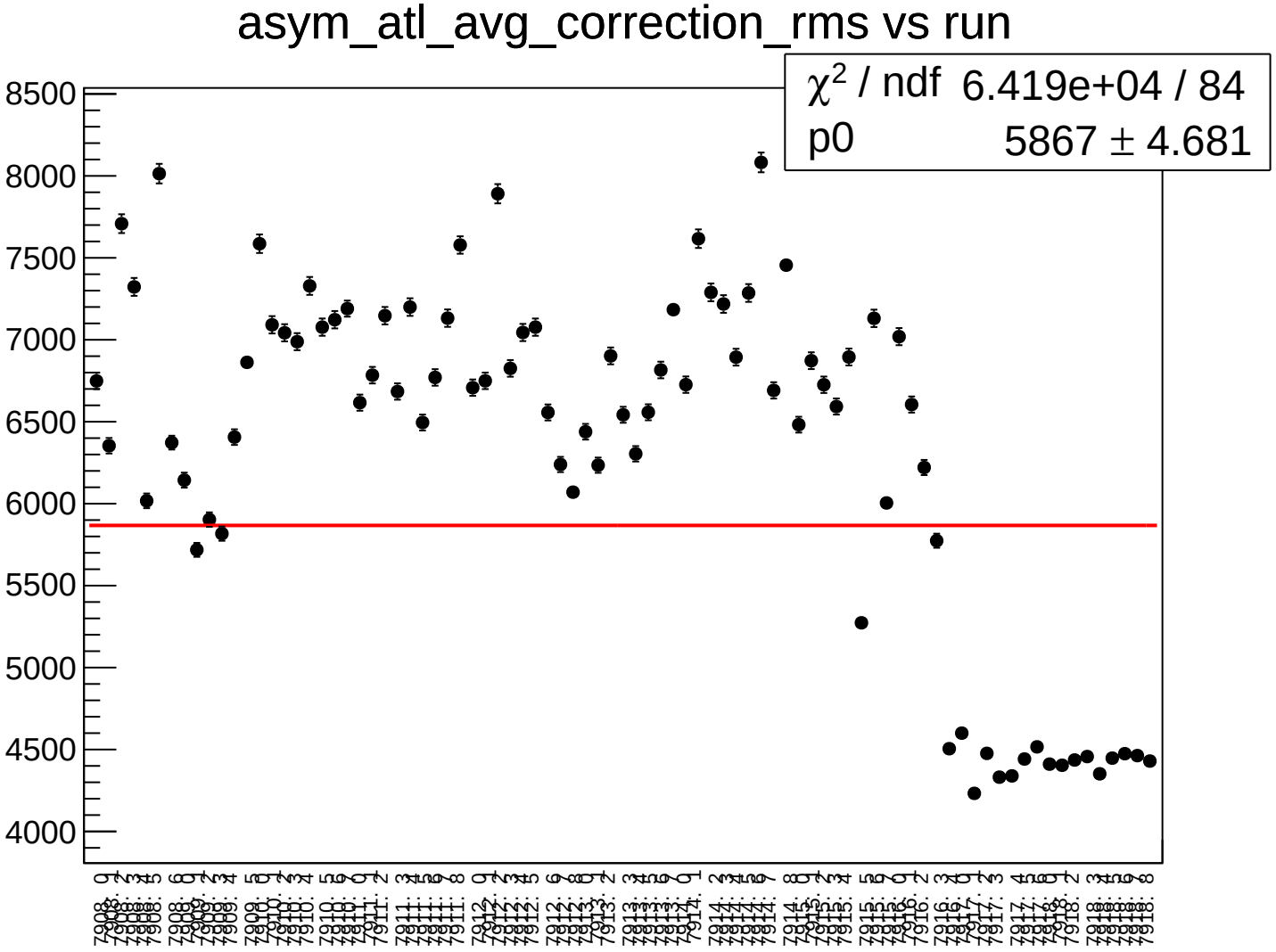

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 76.2 / 84
p0 −3183 ± 1869
pull
Entries 85
Mean −589.4
Std Dev 657.2

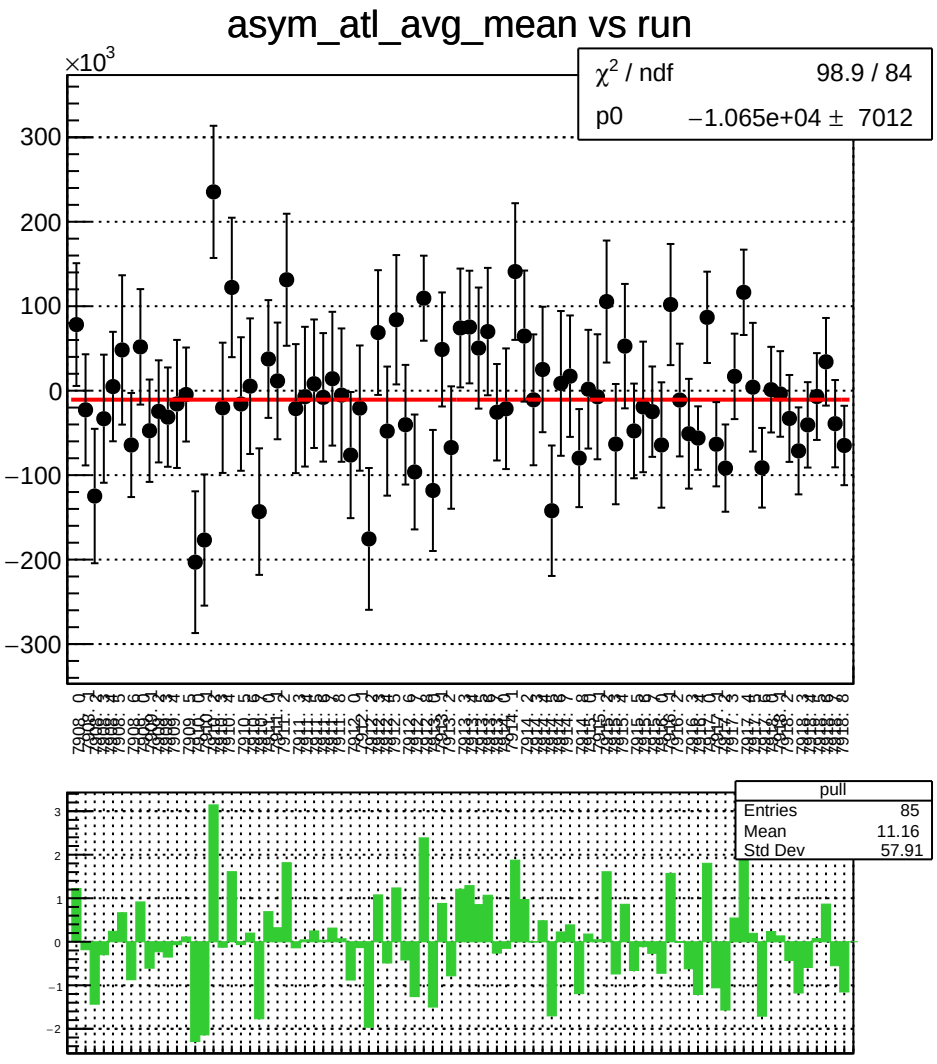

pull1D
Entries 85
Mean 0.003938
Std Dev 0.9468

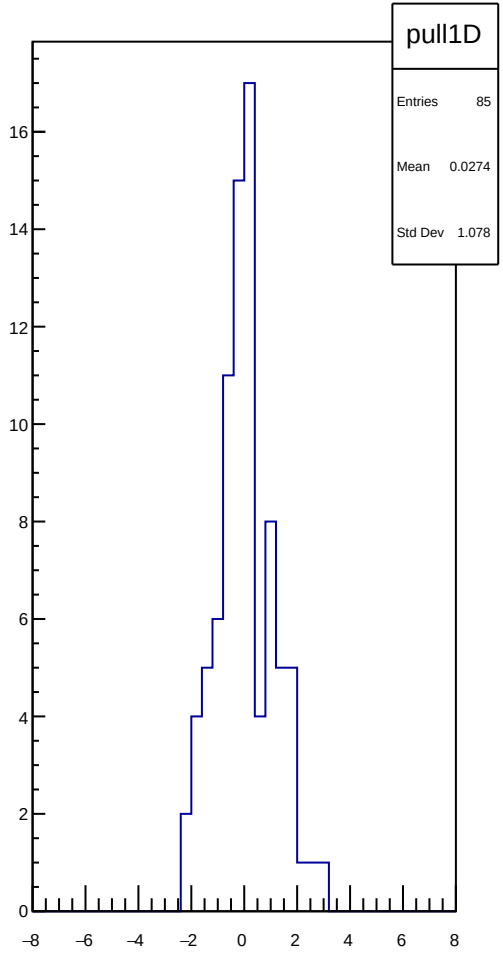

dit_asym_atl_avg_rms vs run
χ² / ndf 9197 / 84
p0 1685 ± 1.321
5500
5000
4500
4000
3500
3000
2500
2000
1500

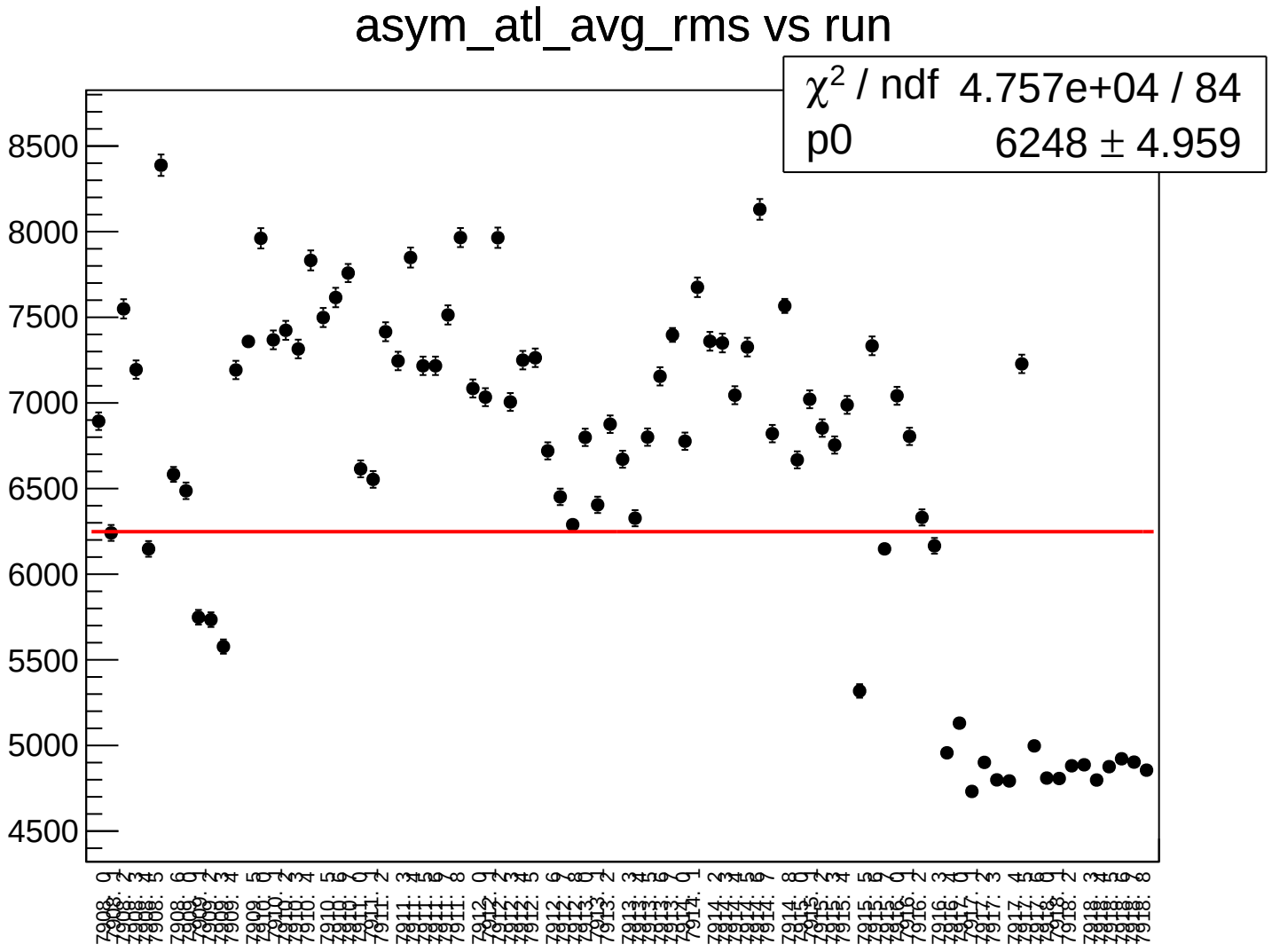

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 101.5 / 84
p0 5424 ± 6620
pull
Entries 85
Mean 55.94
Std Dev 54.39

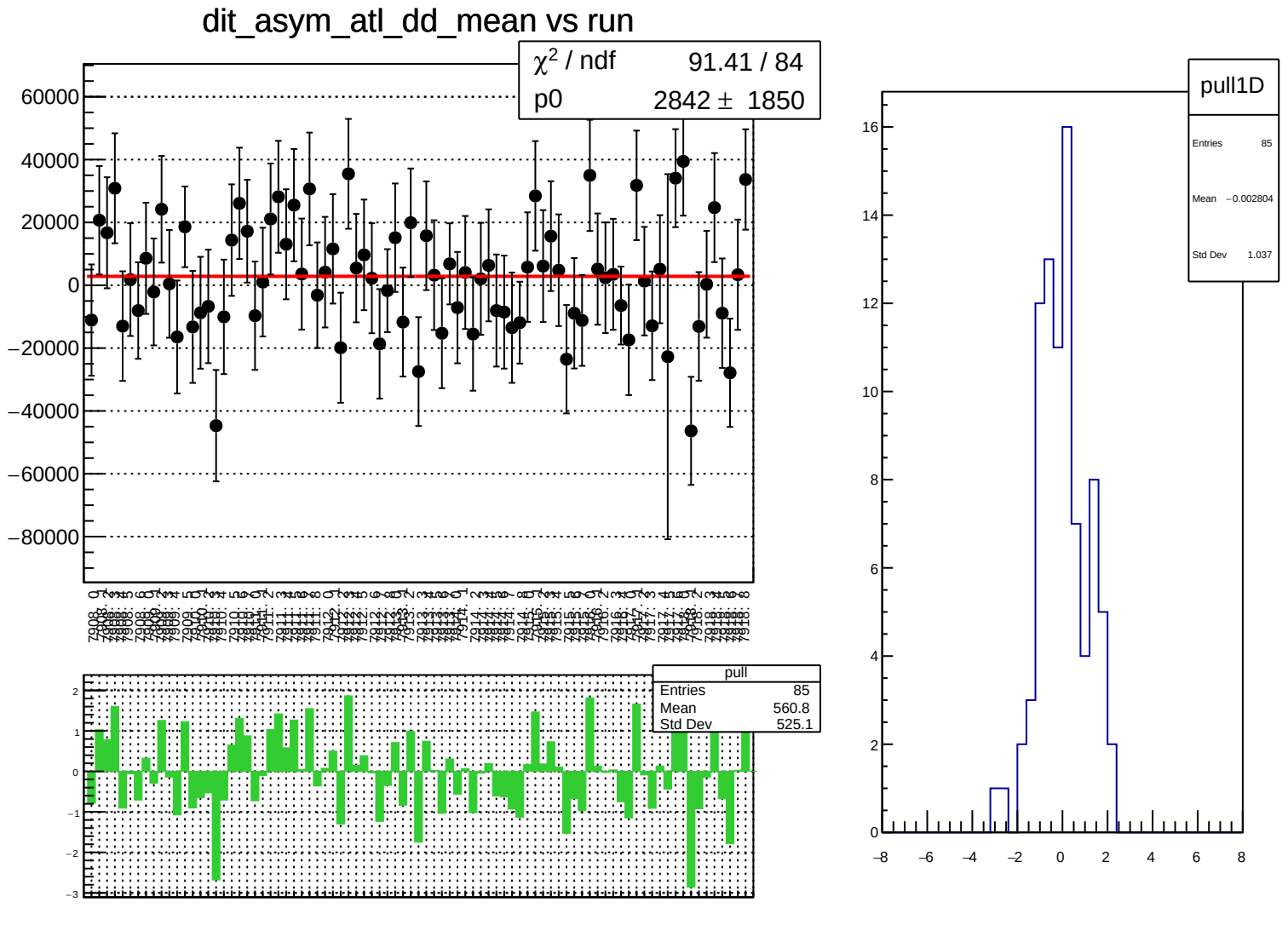

pull1D
Entries 85
Mean −0.01296
Std Dev 1.093

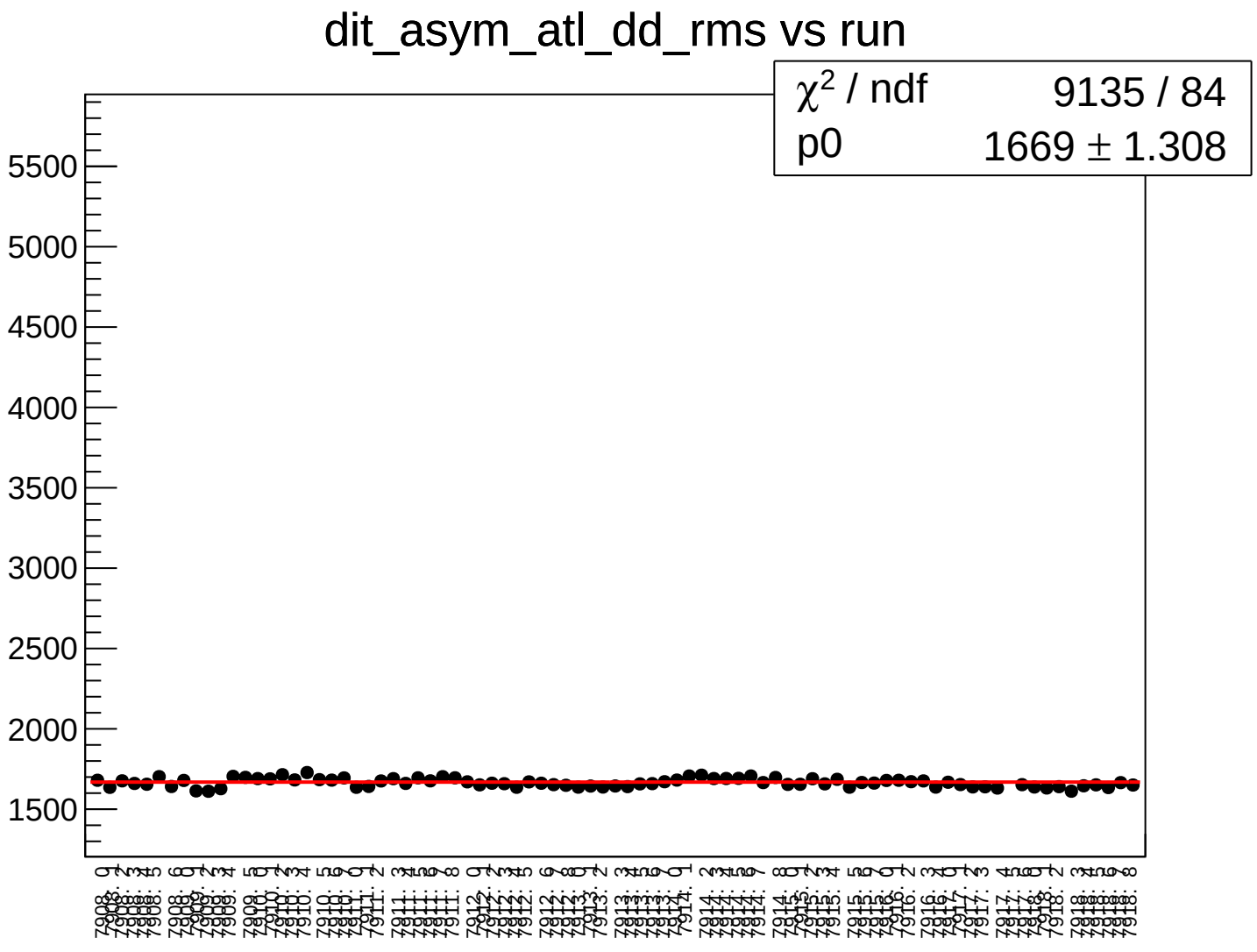

asym_atl_avg_correction_rms vs run
χ² / ndf 6.419e+04 / 84
p0 5867 ± 4.681
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000

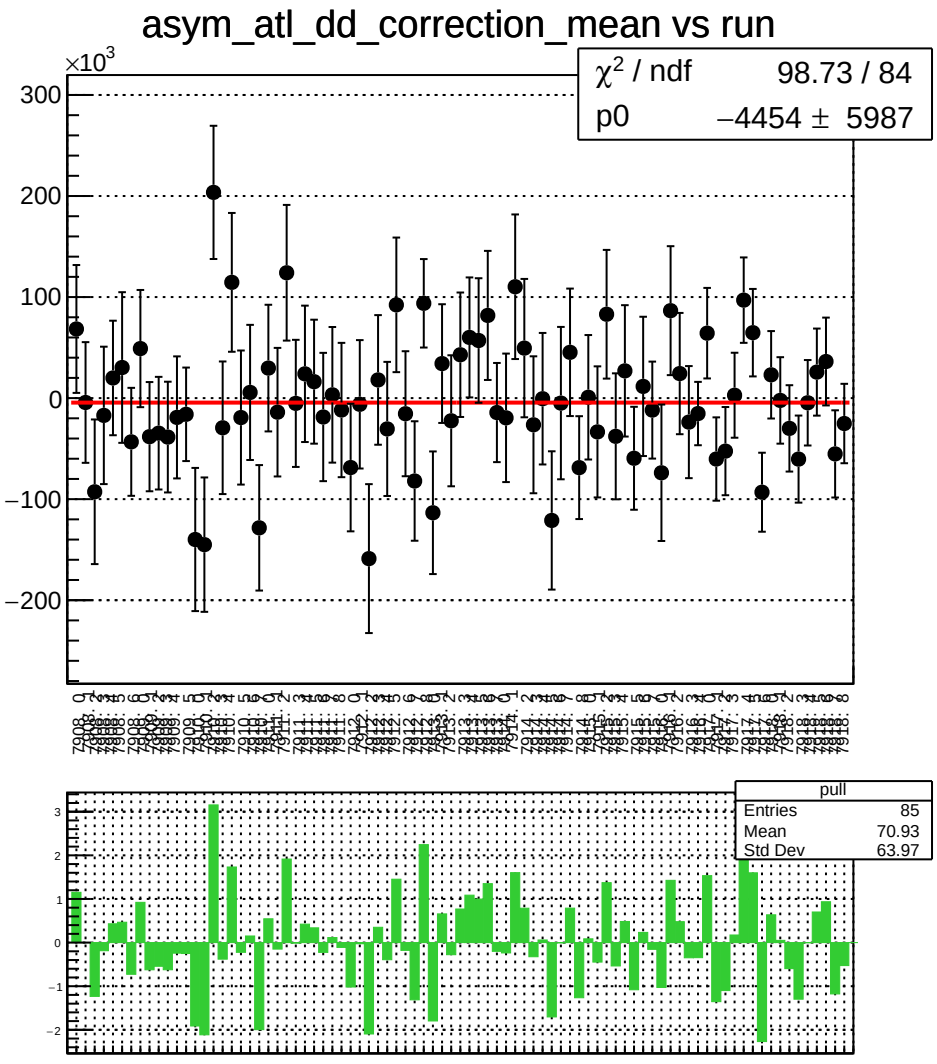

asym_atl_avg_mean vs run
×10^3
χ² / ndf 98.9 / 84
p0 −1.065e+04 ± 7012
pull
Entries 85
Mean 11.16
Std Dev 57.91

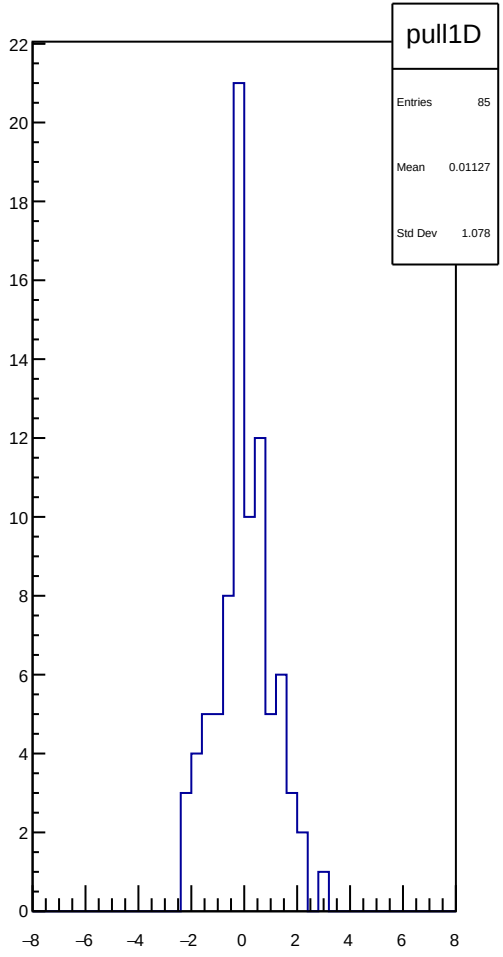

pull1D
Entries 85
Mean 0.0274
Std Dev 1.078

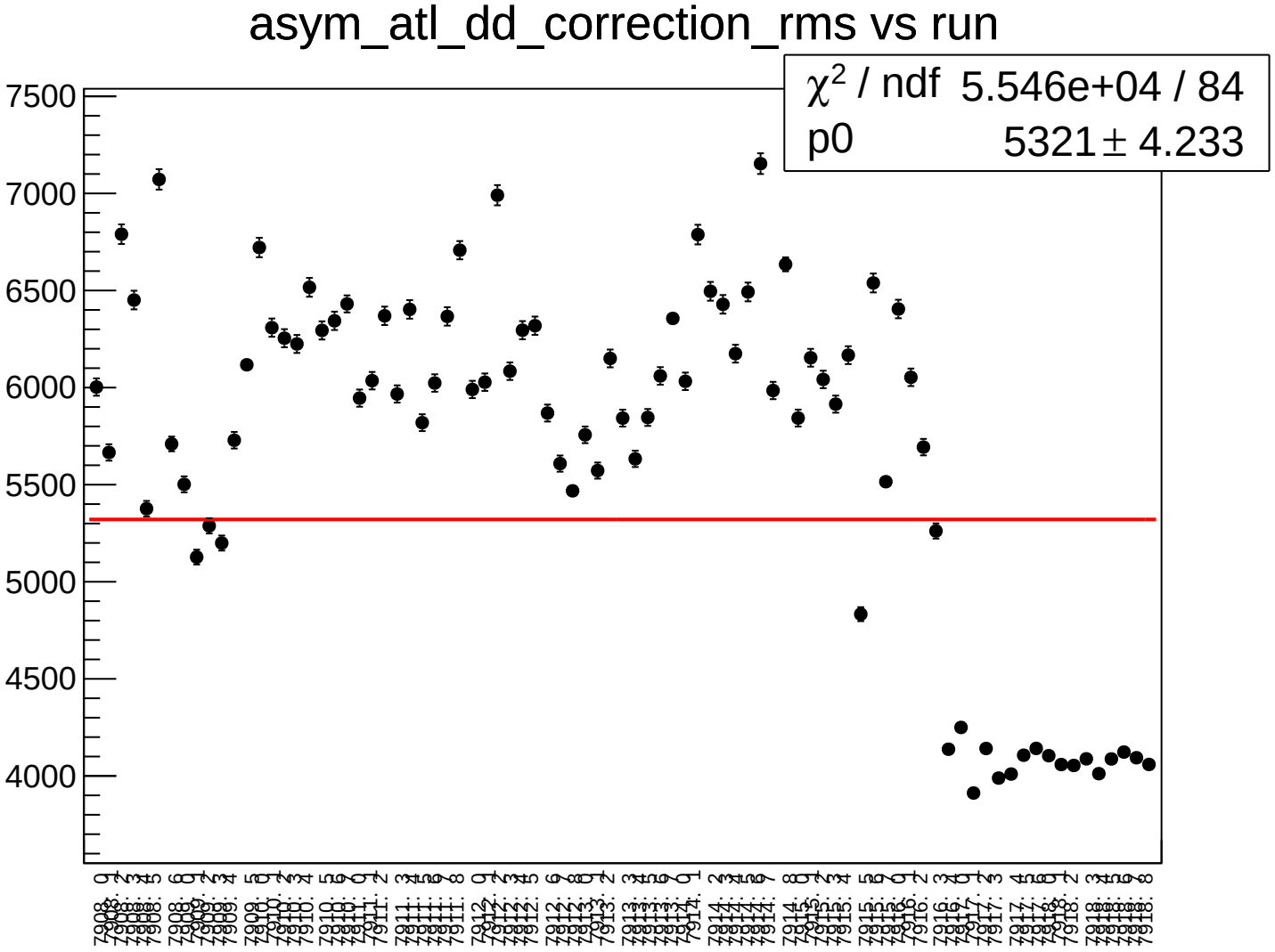

asym_atl_avg_rms vs run
χ² / ndf 4.757e+04 / 84
p0 6248 ± 4.959
8500
8000
7500
7000
6500
6000
5500
5000
4500

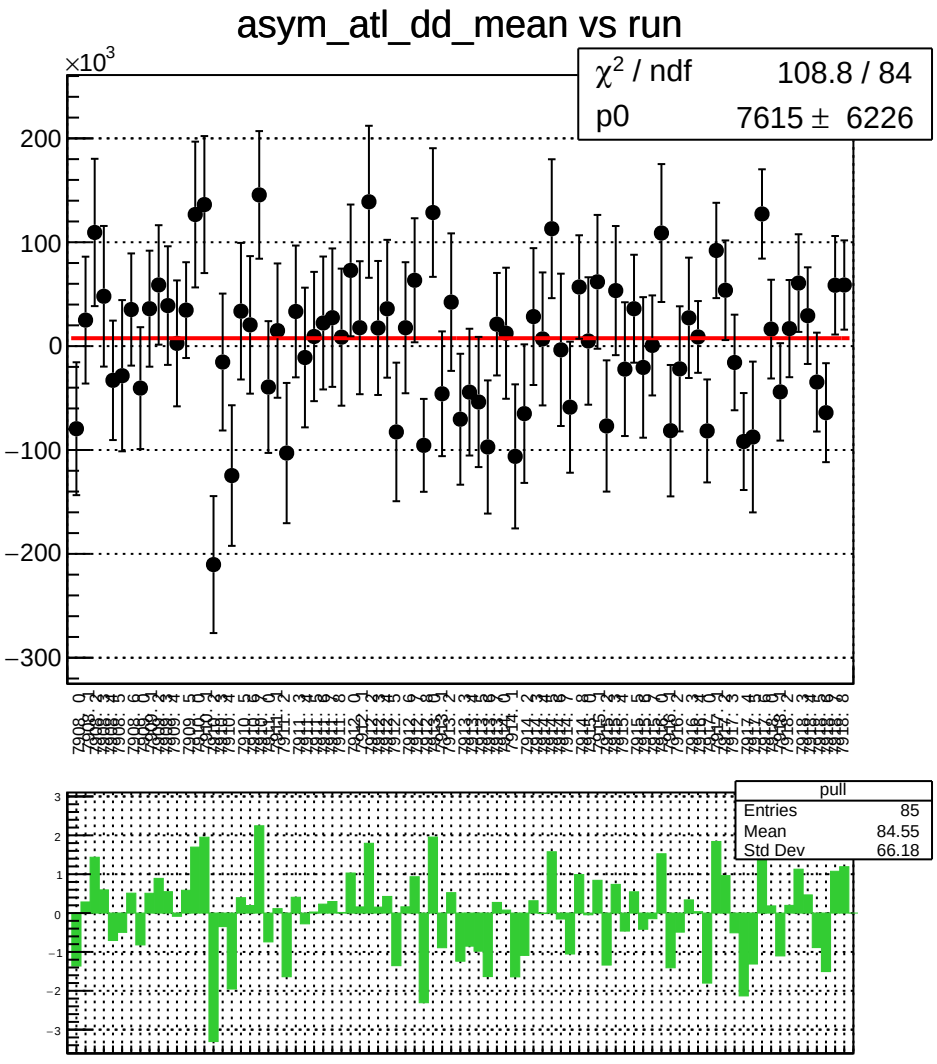

dit_asym_atl_dd_mean vs run
χ² / ndf 91.41 / 84
p0 2842 ± 1850
pull
Entries 85
Mean 560.8
Std Dev 525.1
pull1D
Entries 85
Mean −0.002804
Std Dev 1.037

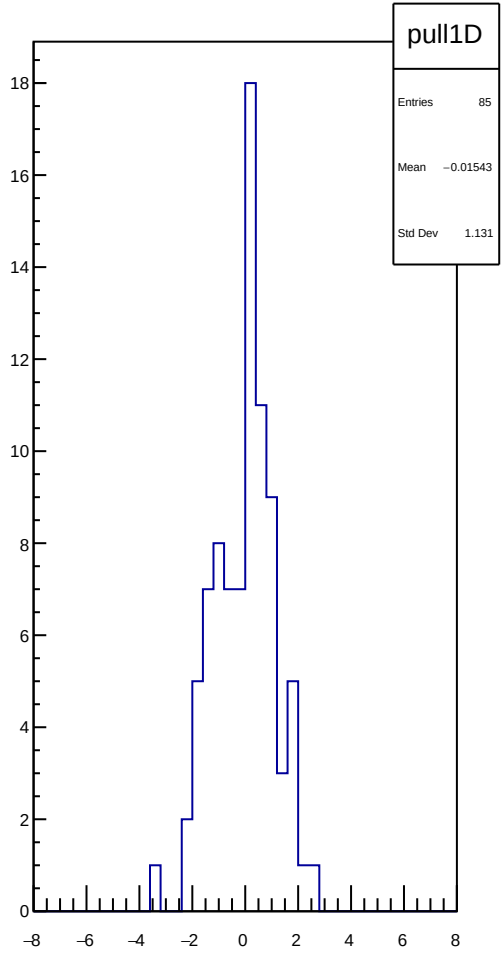

dit_asym_atl_dd_rms vs run
χ2 / ndf 9135 / 84
p0 1669 ± 1.308
5500
5000
4500
4000
3500
3000
2500
2000
1500

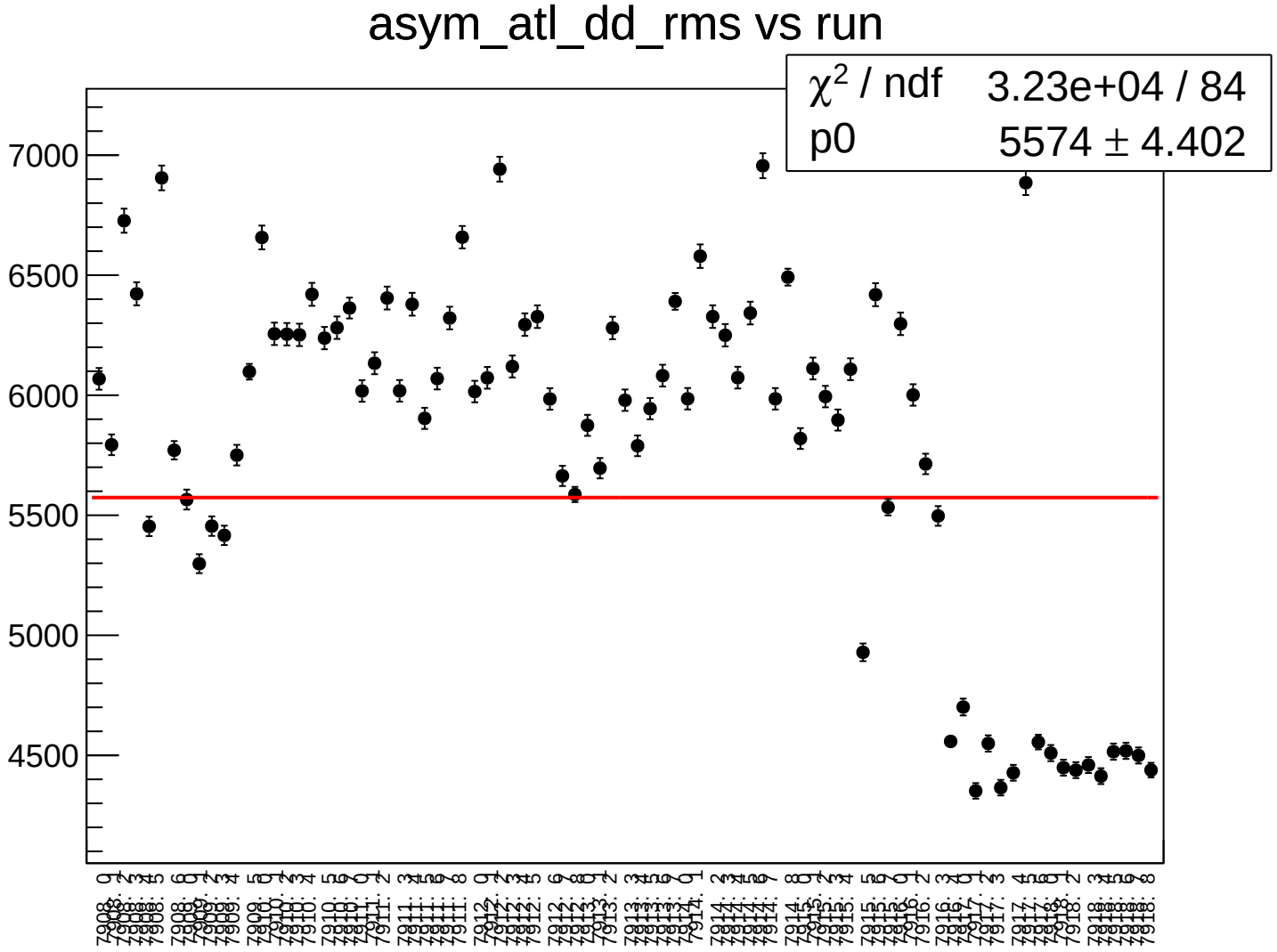

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 98.73 / 84
p0 −4454 ± 5987
pull
Entries 85
Mean 70.93
Std Dev 63.97

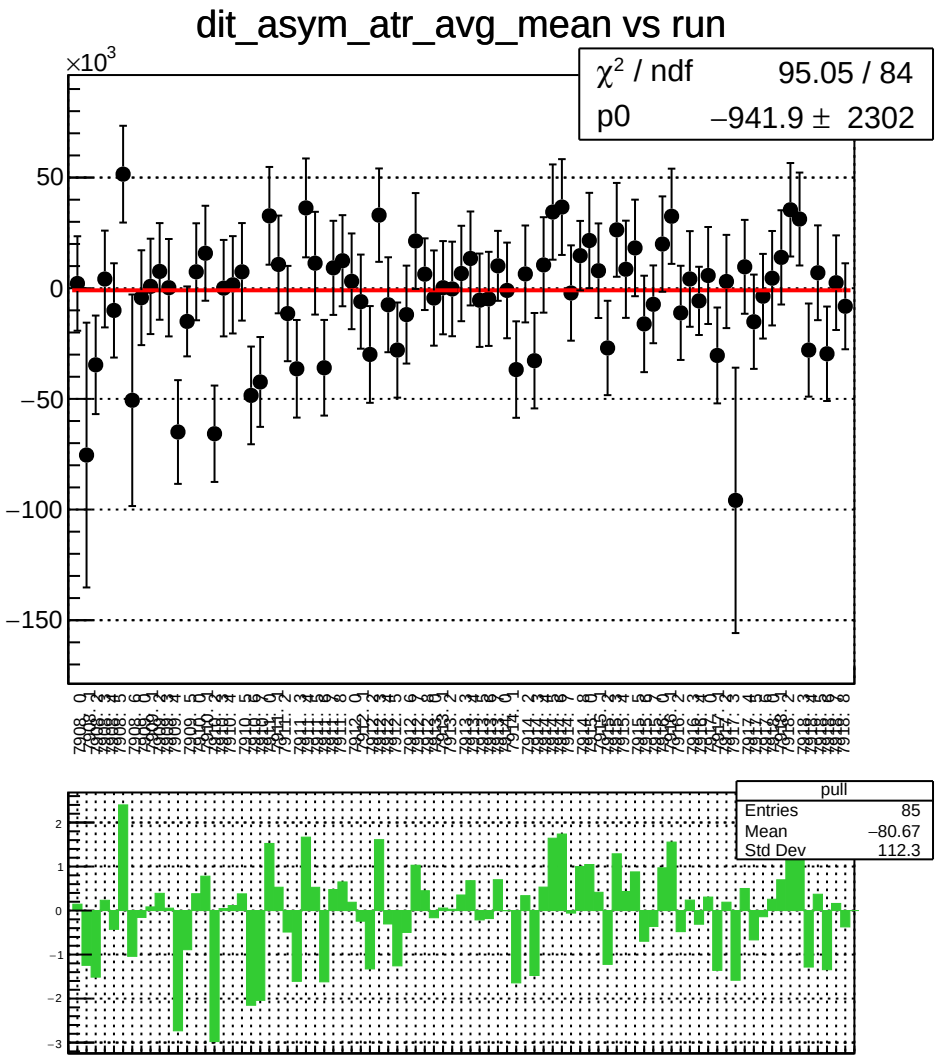

pull1D
Entries 85
Mean 0.01127
Std Dev 1.078

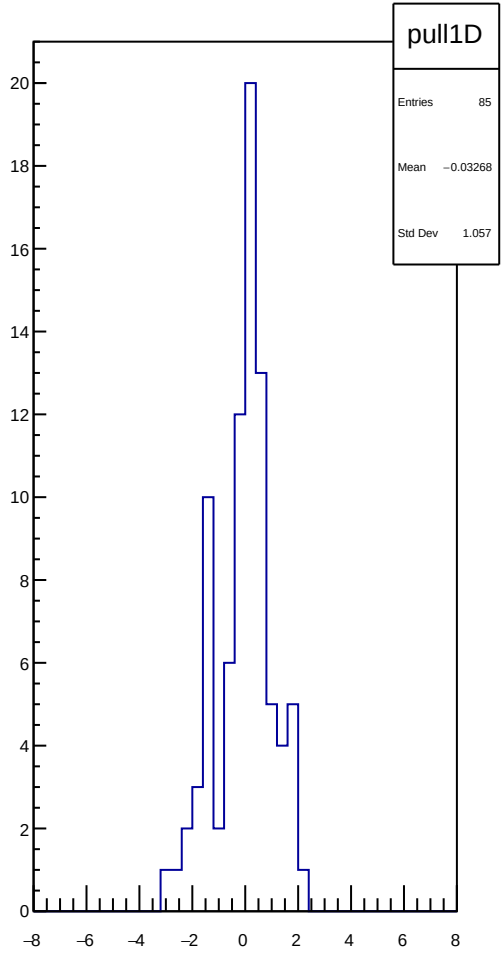

asym_atl_dd_correction_rms vs run
χ^2 / ndf 5.546e+04 / 84
p0 5321 ± 4.233
7500
7000
6500
6000
5500
5000
4500
4000

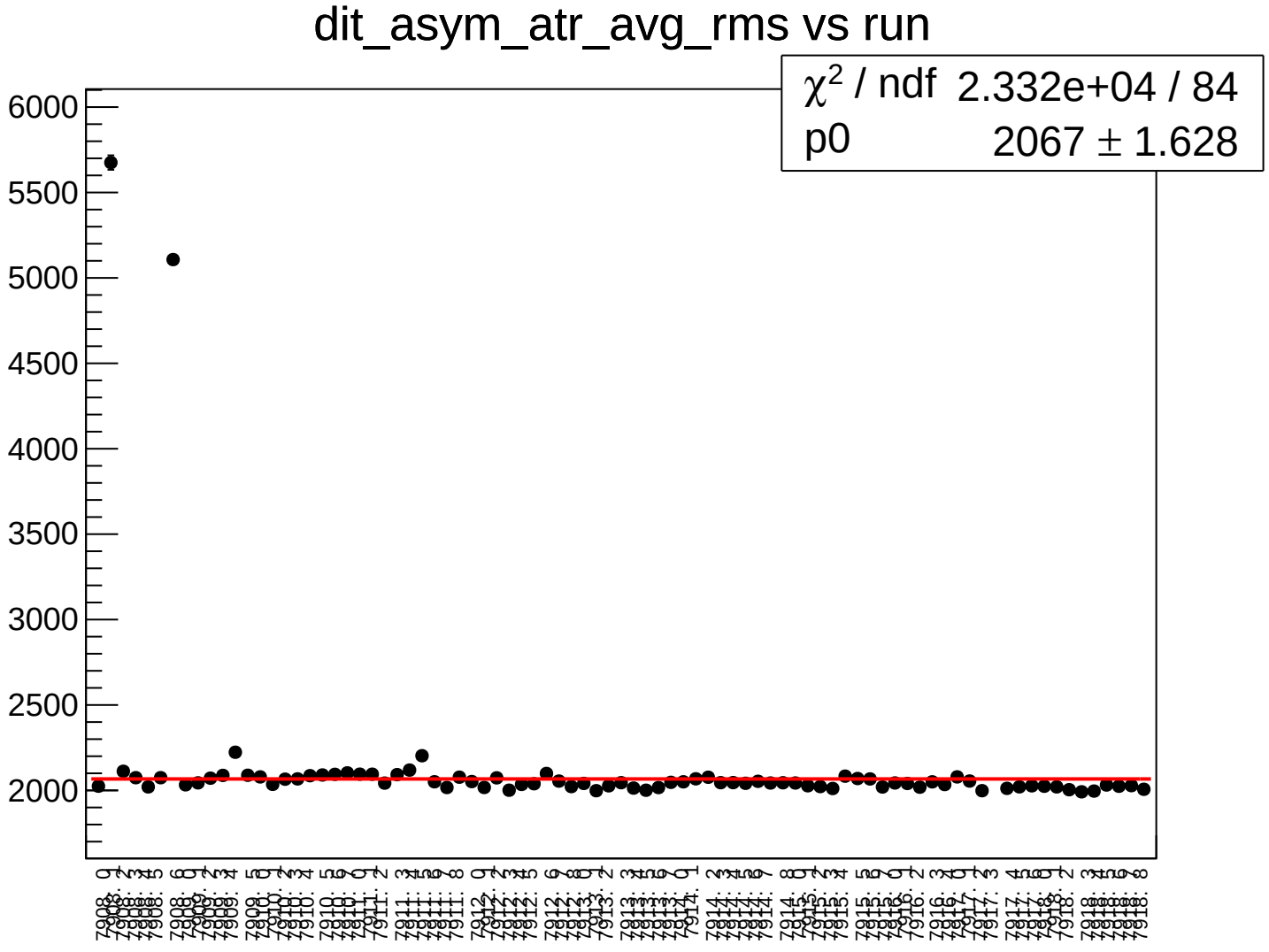

asym_atl_dd_mean vs run
×10^3
χ² / ndf 108.8 / 84
p0 7615 ± 6226
pull
Entries 85
Mean 84.55
Std Dev 66.18

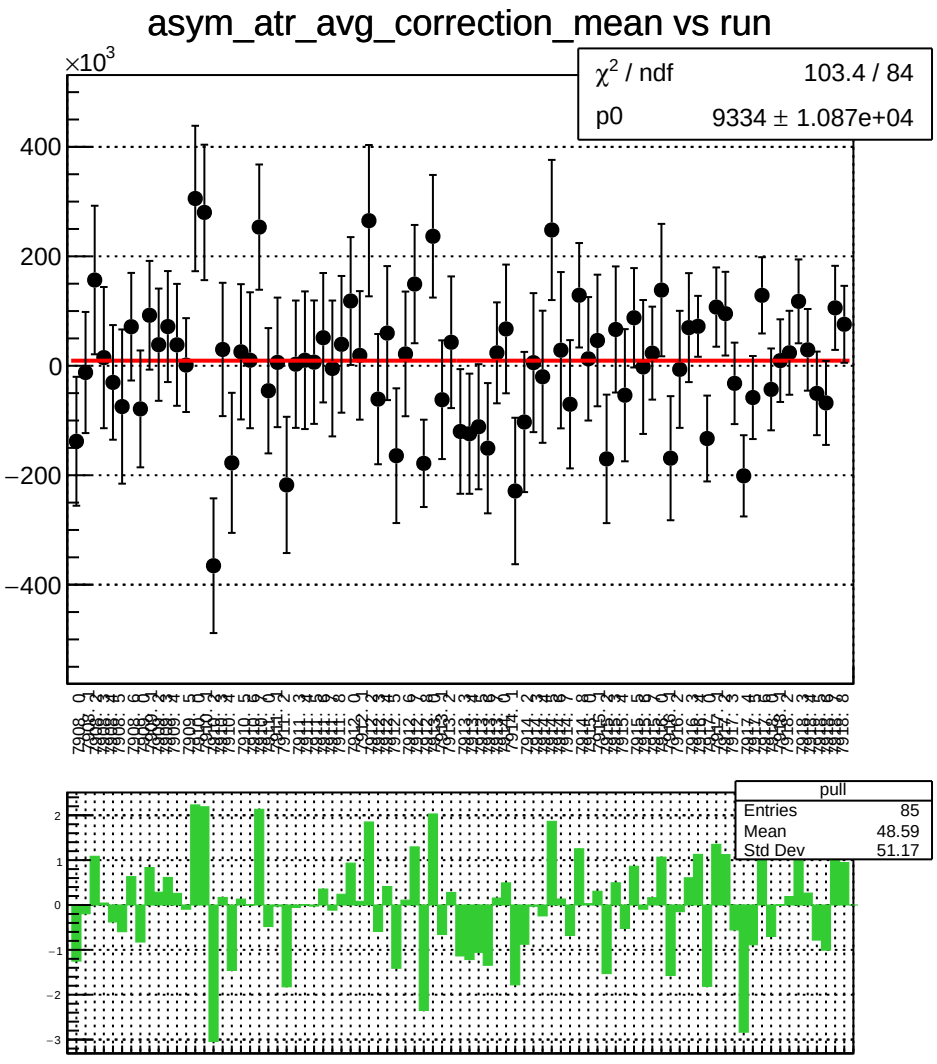

pull1D
Entries 85
Mean −0.01543
Std Dev 1.131

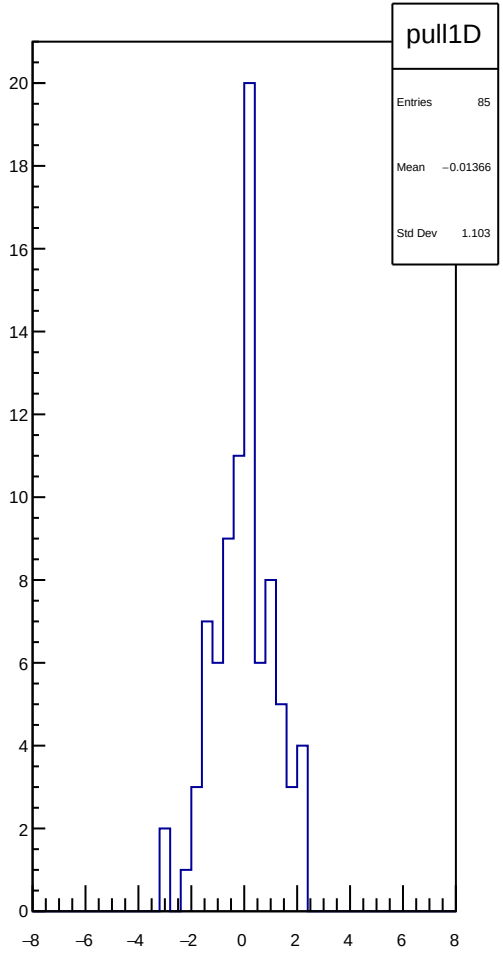

asym_atl_dd_rms vs run
χ² / ndf 3.23e+04 / 84
p0 5574 ± 4.402
7000
6500
6000
5500
5000
4500


dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 95.05 / 84
p0 −941.9 ± 2302
50
0
−50
−100
−150
pull
Entries 85
Mean −80.67
Std Dev 112.3
2
1
0
−1
−2
−3

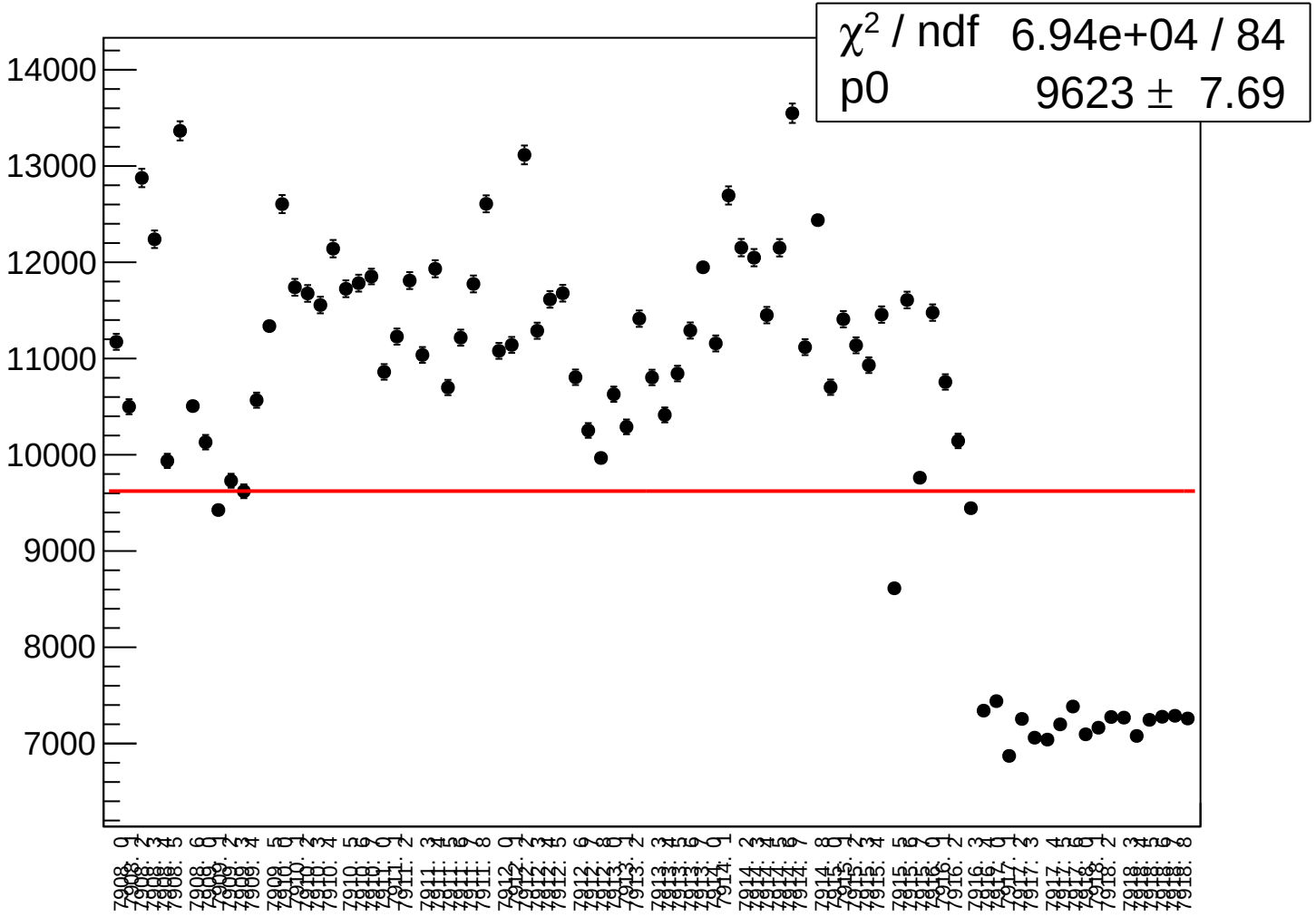

pull1D
Entries 85
Mean −0.03268
Std Dev 1.057
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

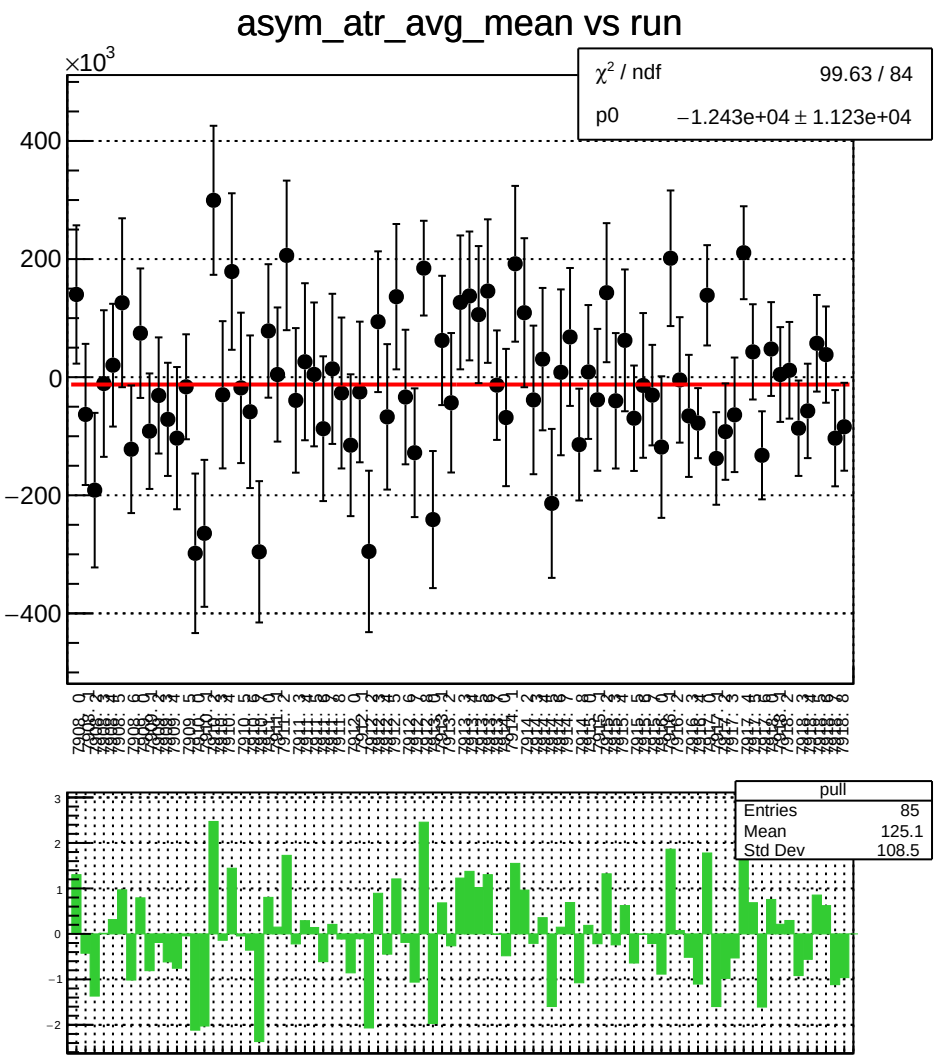

dit_asym_atr_avg_rms vs run
χ² / ndf 2.332e+04 / 84
p0 2067 ± 1.628
6000
5500
5000
4500
4000
3500
3000
2500
2000

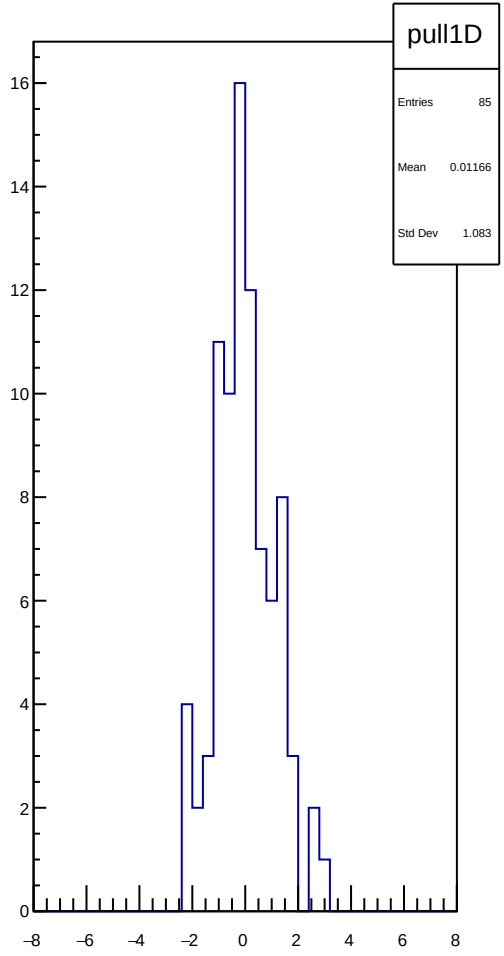

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 103.4 / 84
p0 9334 ± 1.087e+04
400
200
0
−200
−400
pull
Entries 85
Mean 48.59
Std Dev 51.17
2
1
0
−1
−2
−3

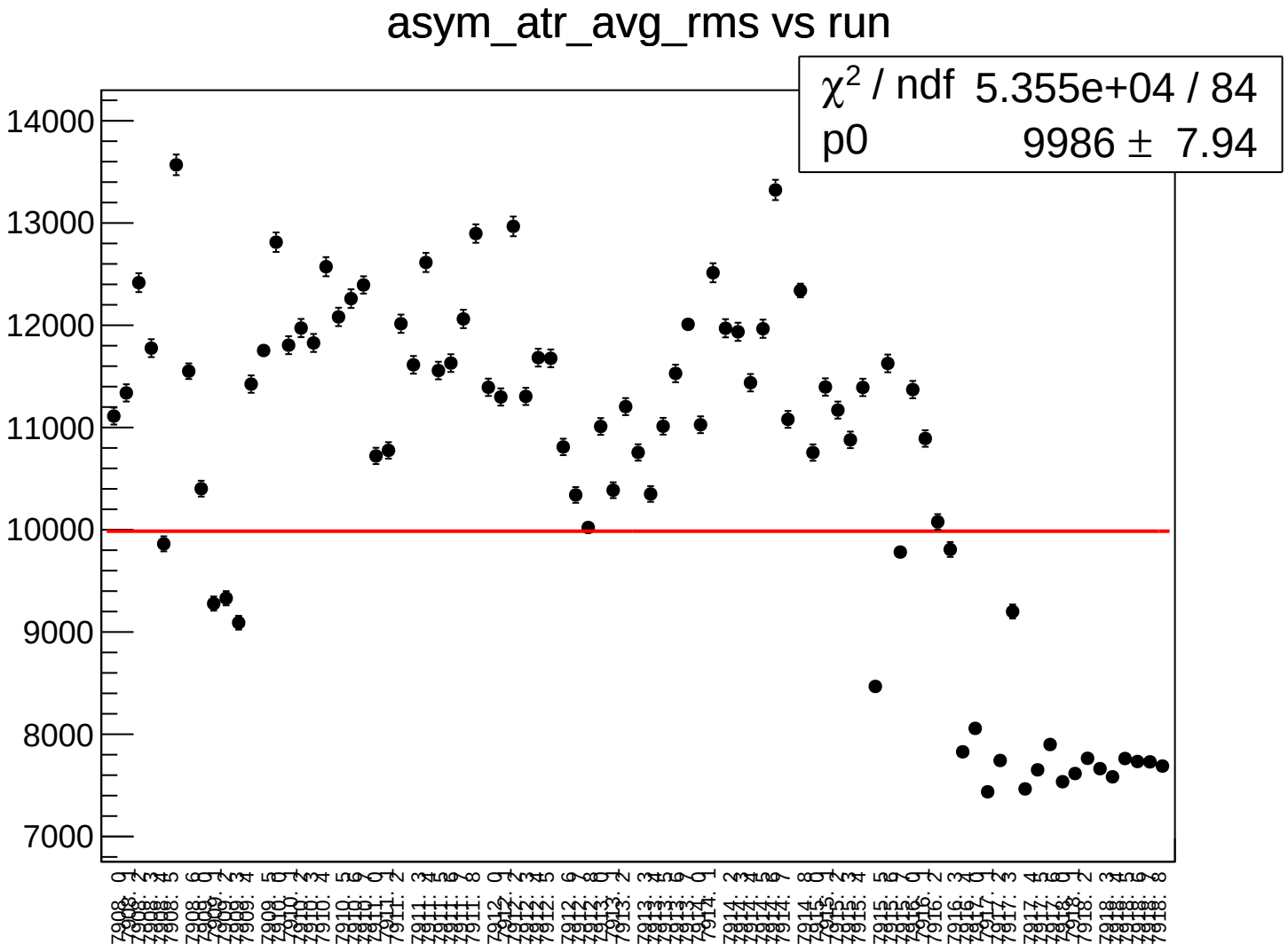

pull1D
Entries 85
Mean −0.01366
Std Dev 1.103
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

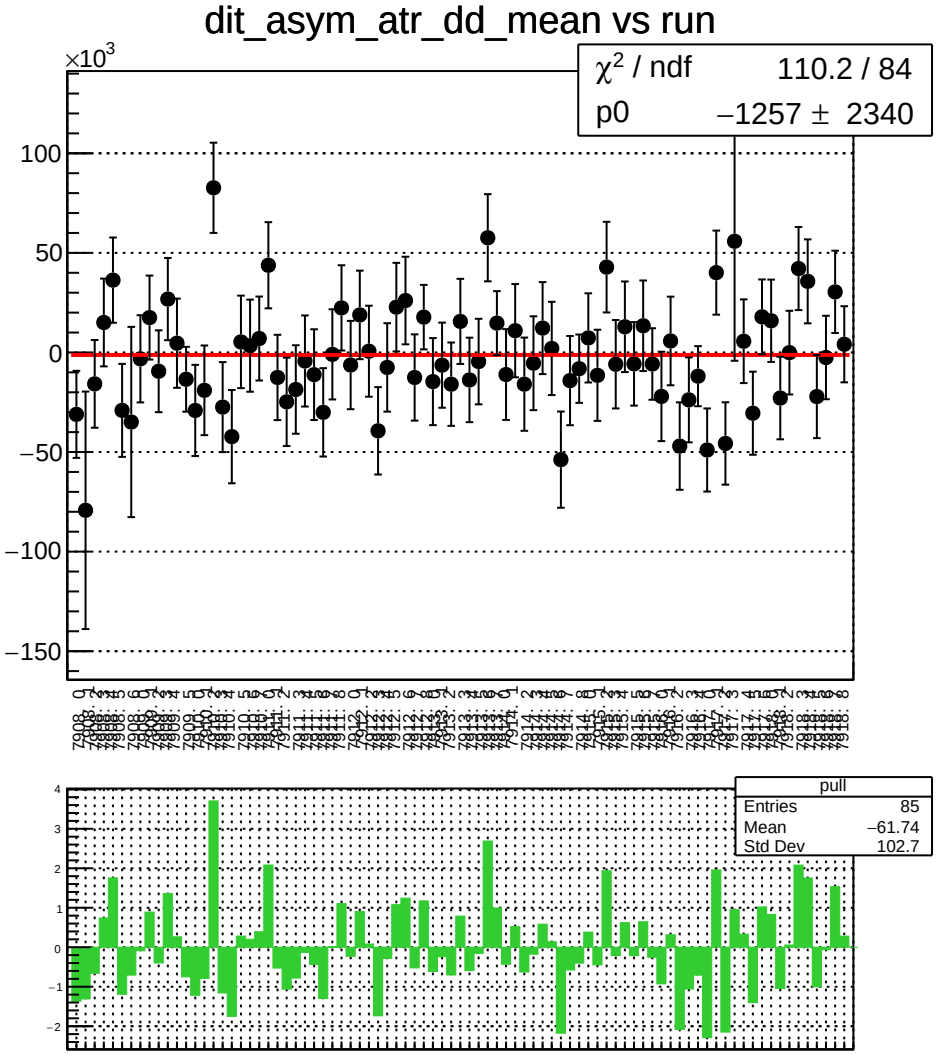
asym_atr_avg_correction_rms vs run

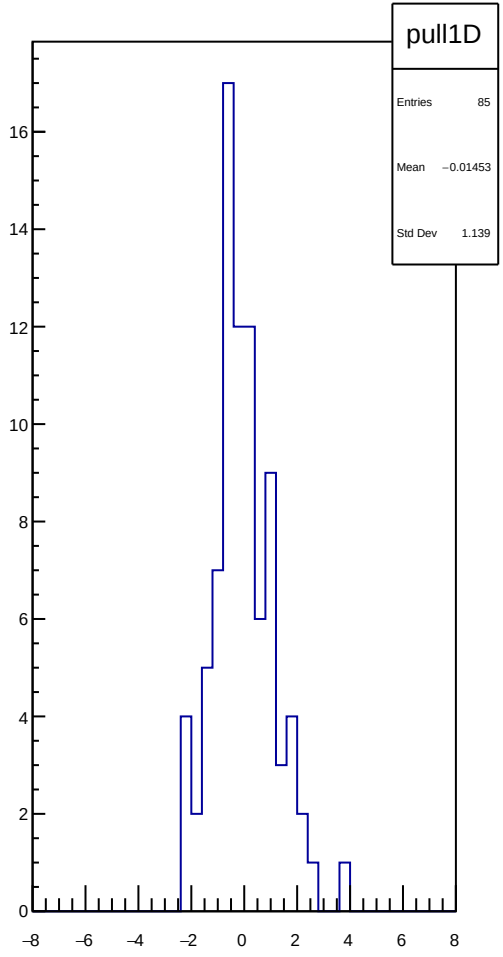



asym_atr_avg_mean vs run
×10^3
χ² / ndf 99.63 / 84
p0 −1.243e+04 ± 1.123e+04
400
200
0
−200
−400
pull
Entries 85
Mean 125.1
Std Dev 108.5
3
2
1
0
−1
−2

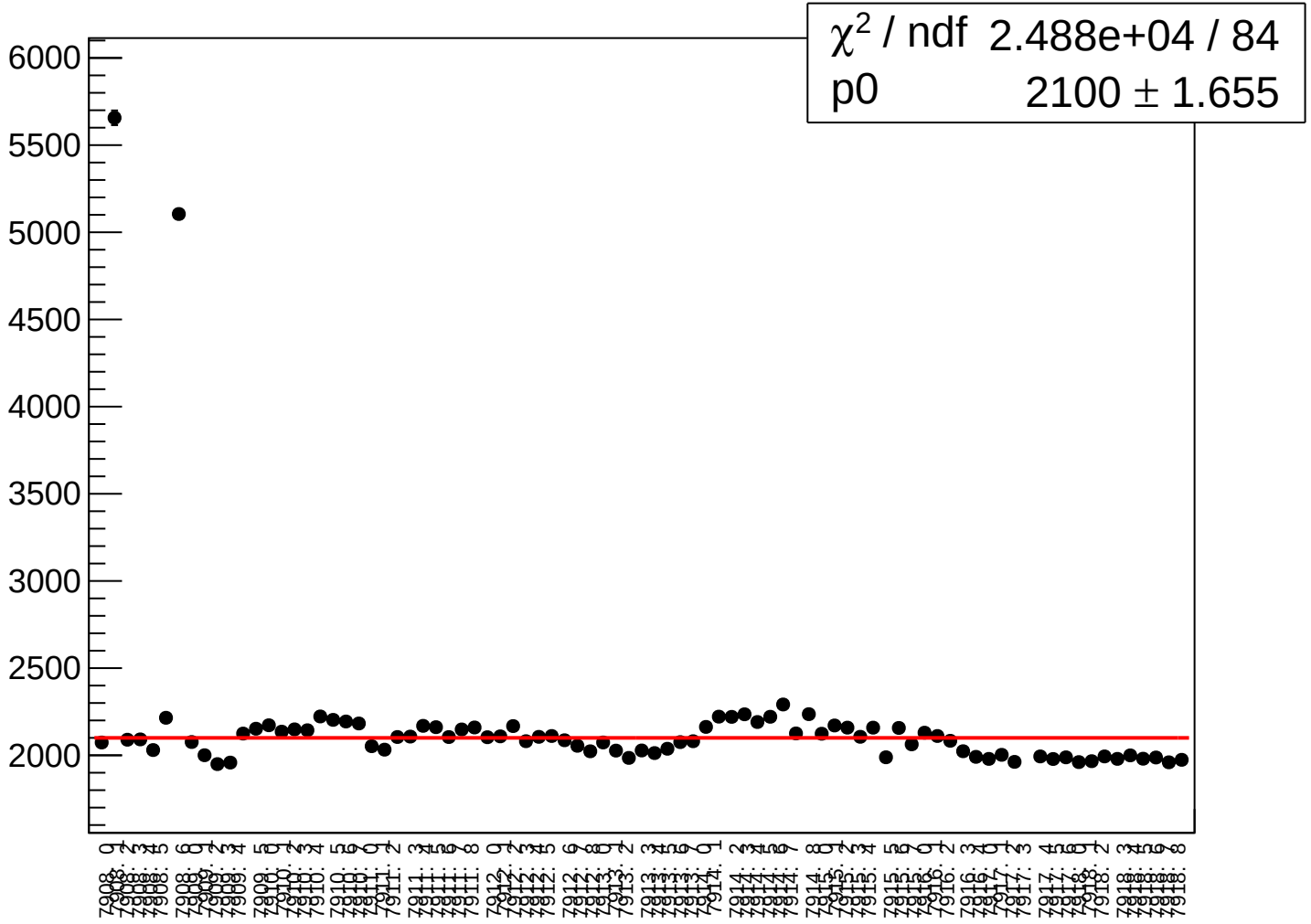

pull1D
Entries 85
Mean 0.01166
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

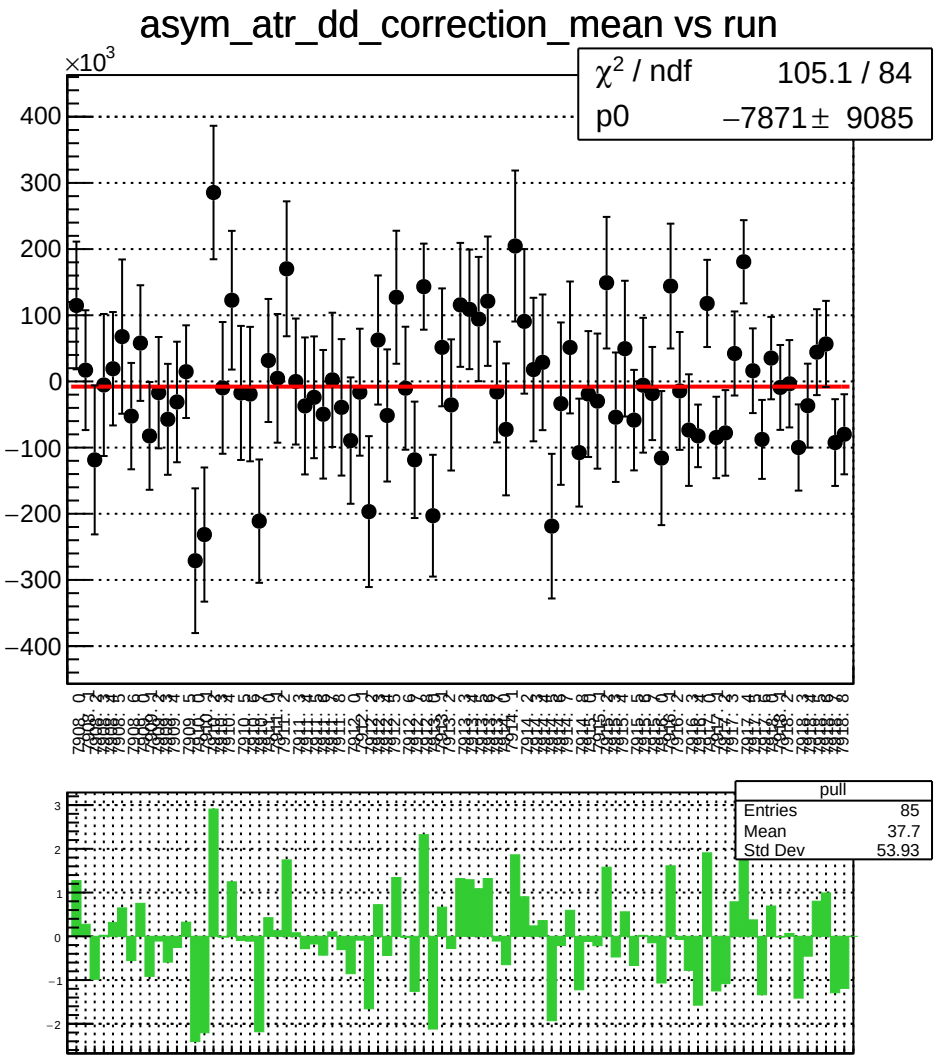

asym_atr_avg_rms vs run
χ2 / ndf 5.355e+04 / 84
p0 9986 ± 7.94
14000
13000
12000
11000
10000
9000
8000
7000

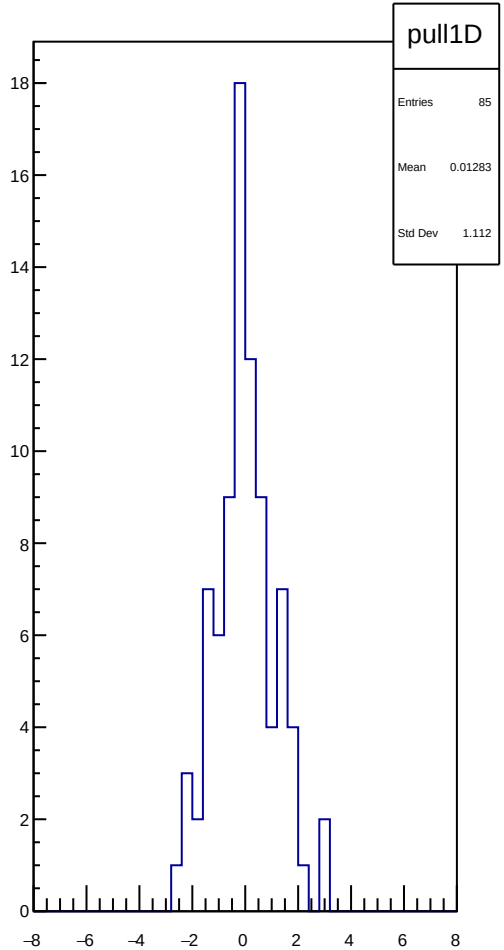

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 110.2 / 84
p0 −1257 ± 2340
pull
Entries 85
Mean −61.74
Std Dev 102.7


pull1D
Entries 85
Mean −0.01453
Std Dev 1.139

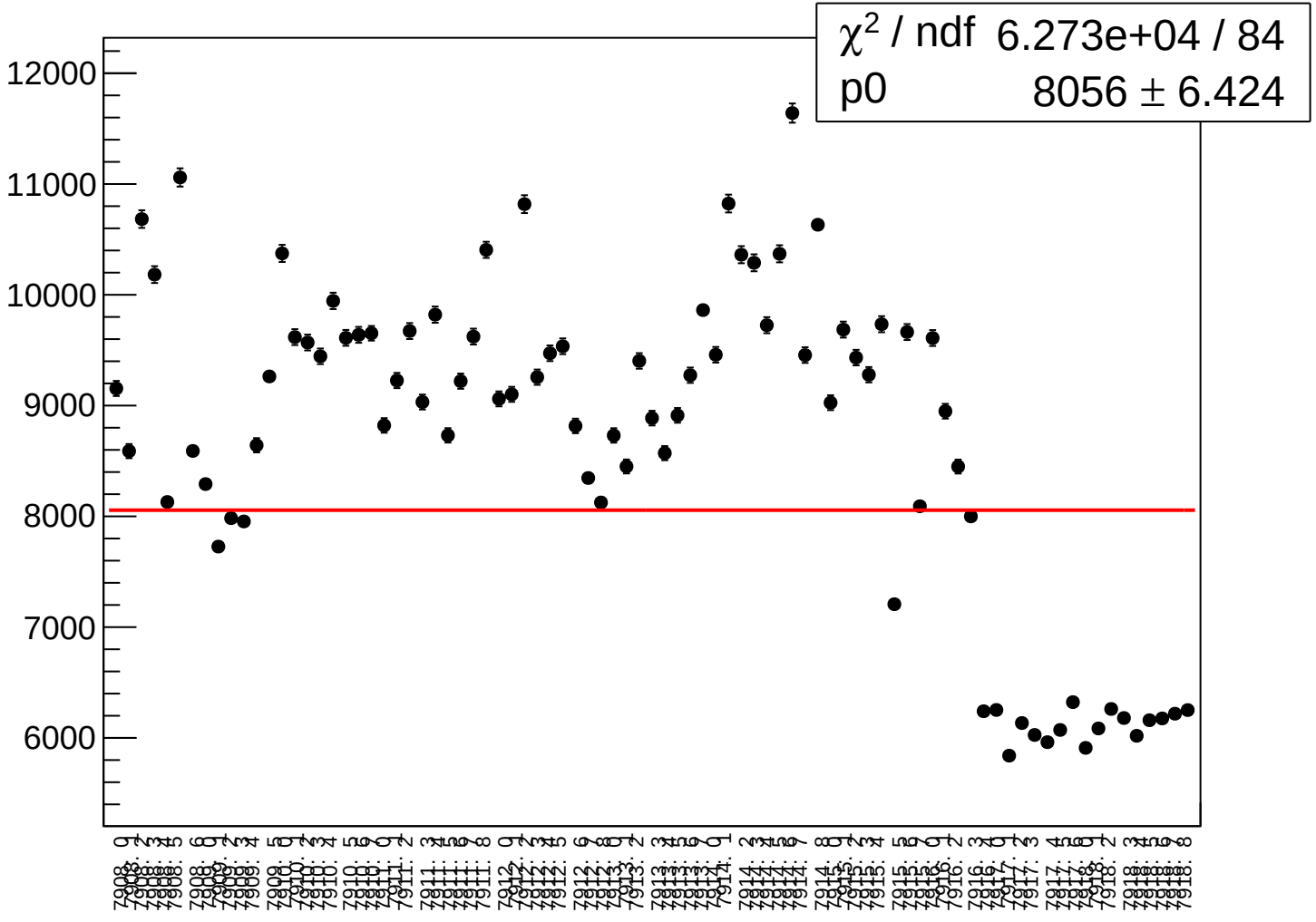
dit_asym_atr_dd_rms vs run

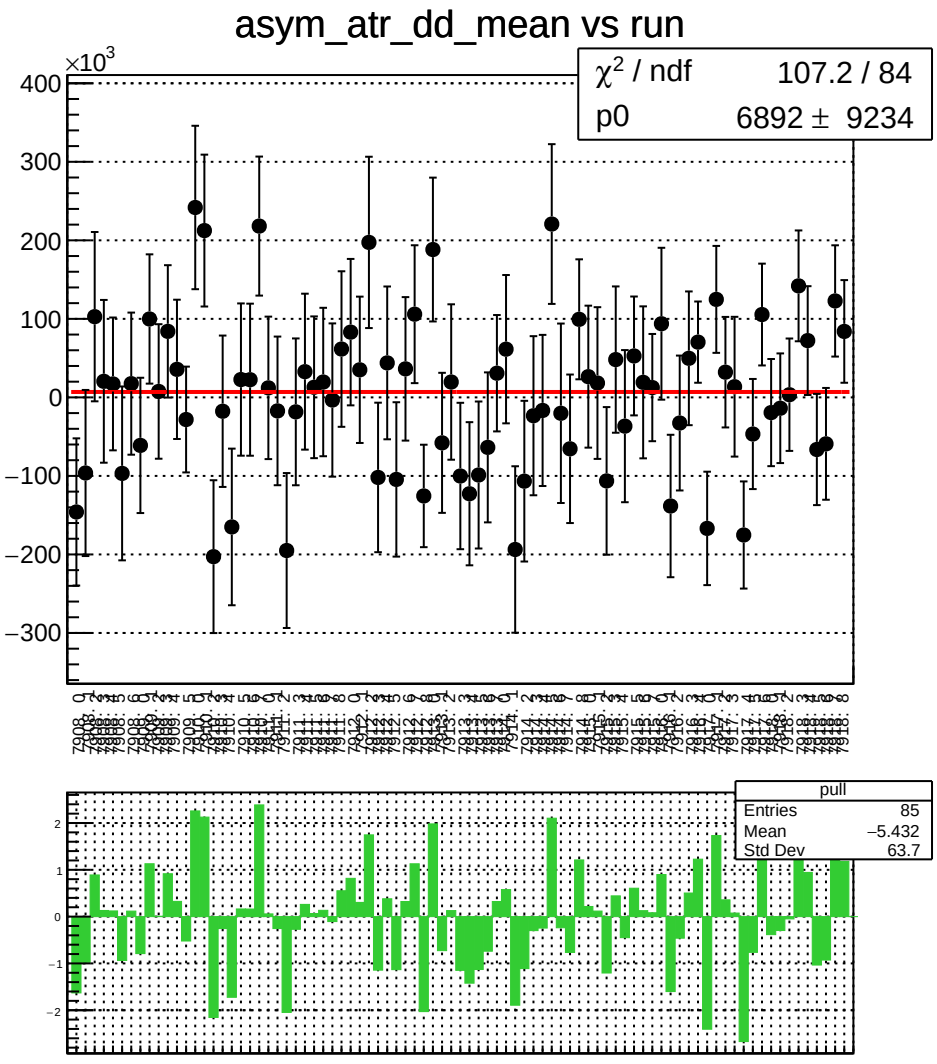


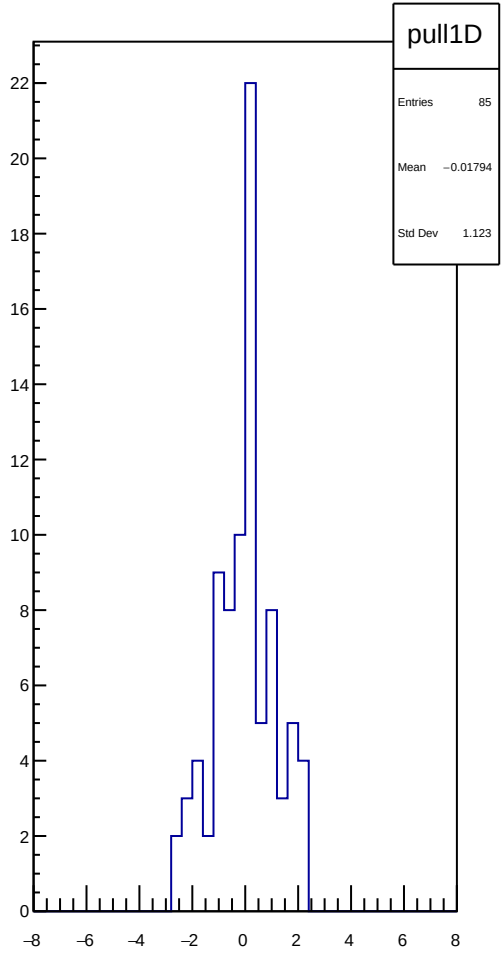

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 105.1 / 84
p0 −7871 ± 9085
pull
Entries 85
Mean 37.7
Std Dev 53.93

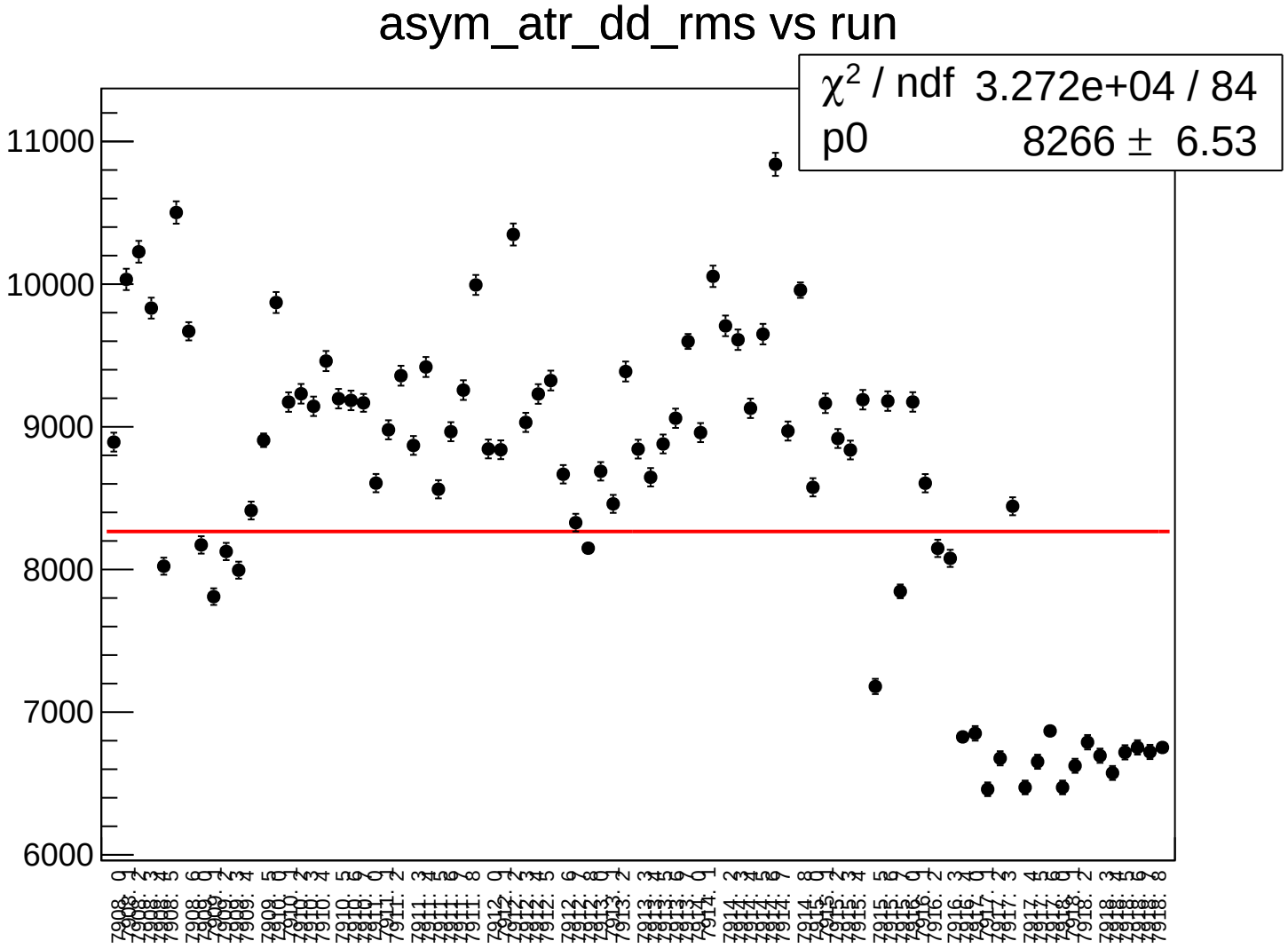

pull1D
Entries 85
Mean 0.01283
Std Dev 1.112

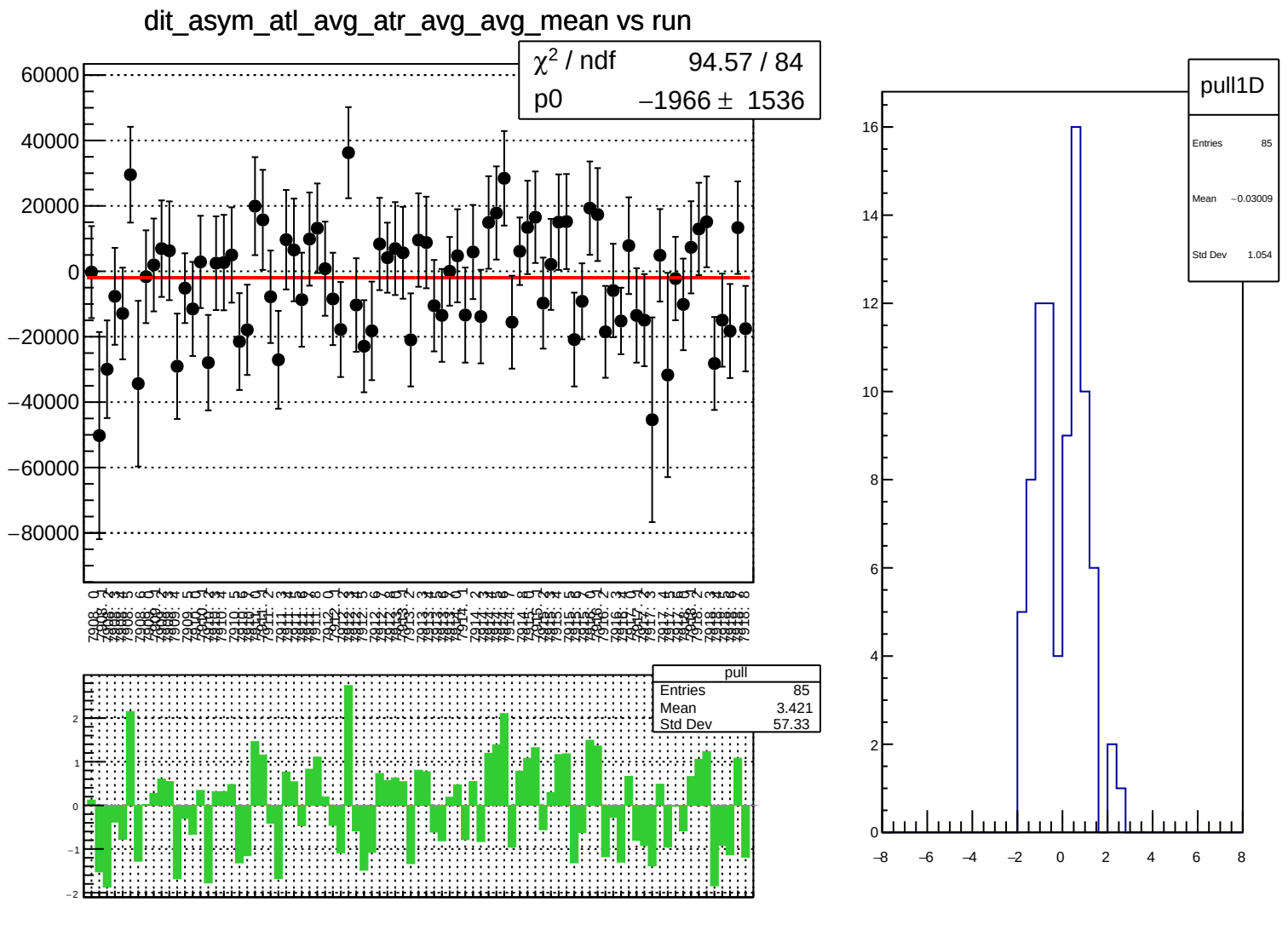
asym_atr_dd_correction_rms vs run



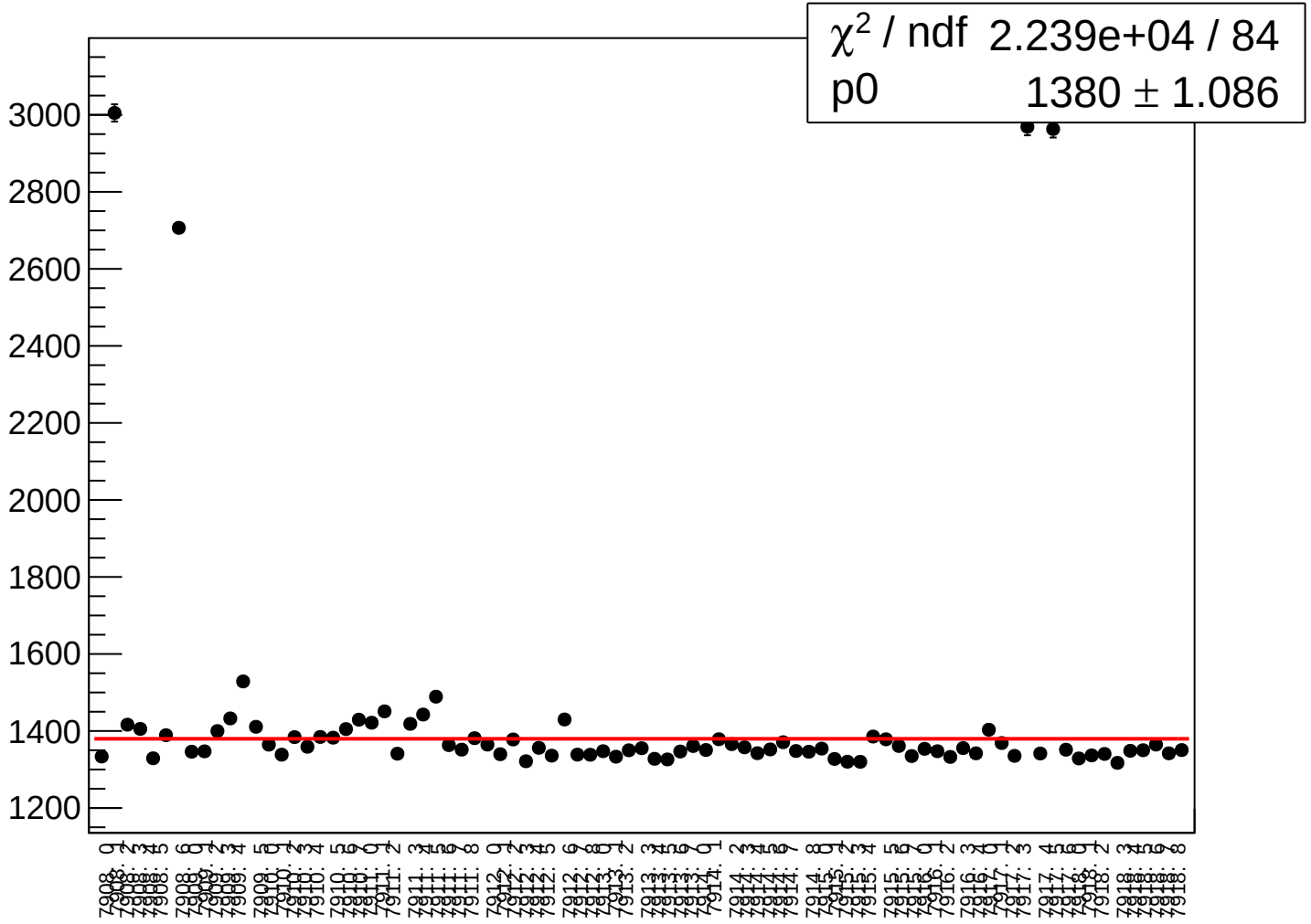

asym_atr_dd_mean vs run
×10^3
χ² / ndf 107.2 / 84
p0 6892 ± 9234
pull
Entries 85
Mean −5.432
Std Dev 63.7

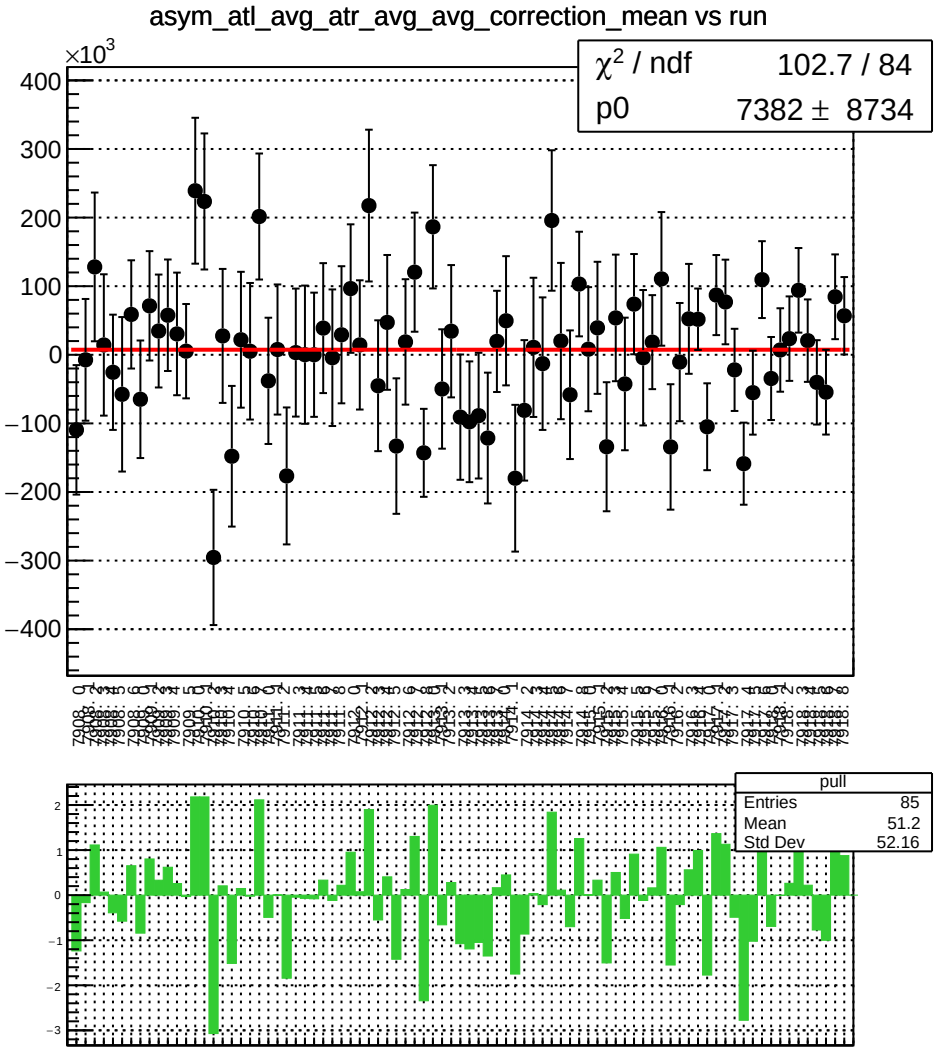

pull1D
Entries 85
Mean −0.01794
Std Dev 1.123

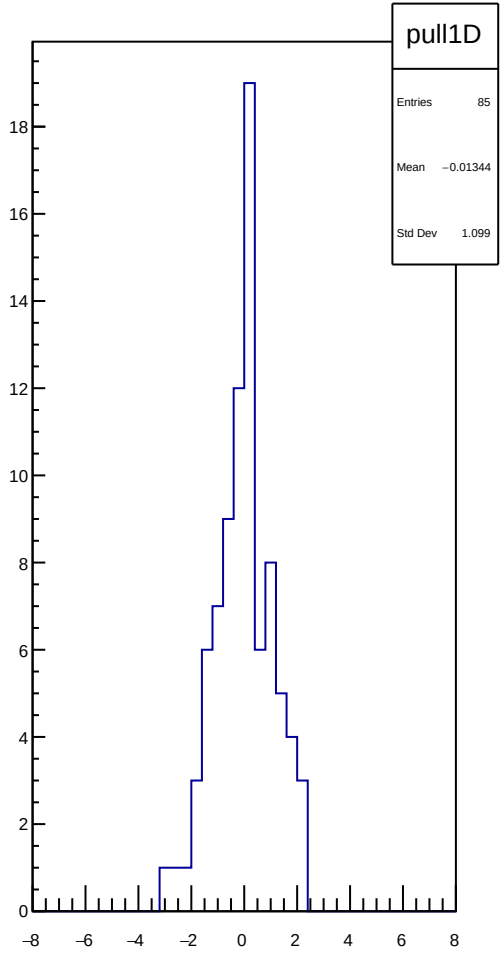

asym_atr_dd_rms vs run
χ^2 / ndf 3.272e+04 / 84
p0 8266 ± 6.53
11000
10000
9000
8000
7000
6000

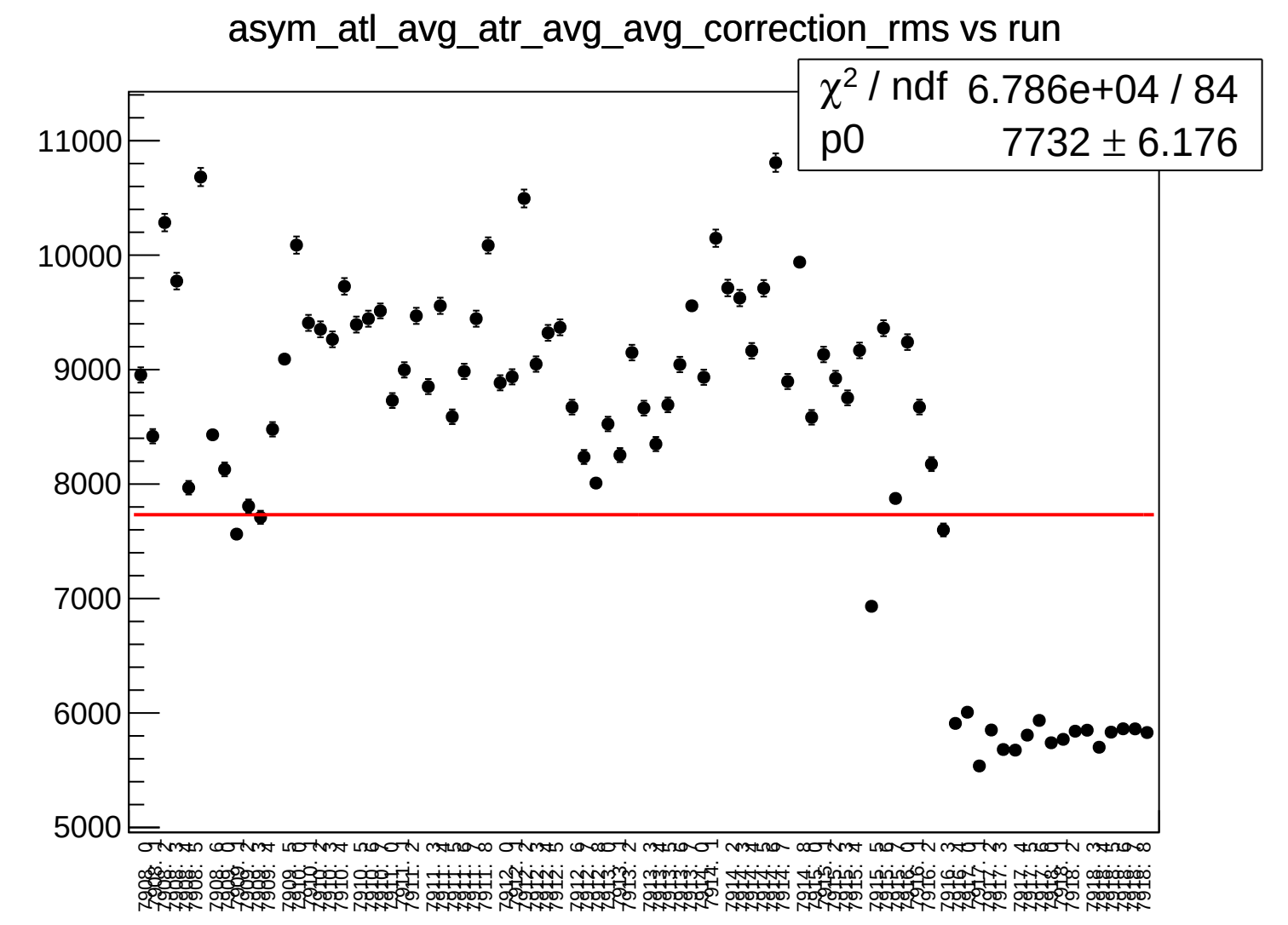

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 94.57 / 84
p0 −1966 ± 1536
pull
Entries 85
Mean 3.421
Std Dev 57.33
pull1D
Entries 85
Mean −0.03009
Std Dev 1.054

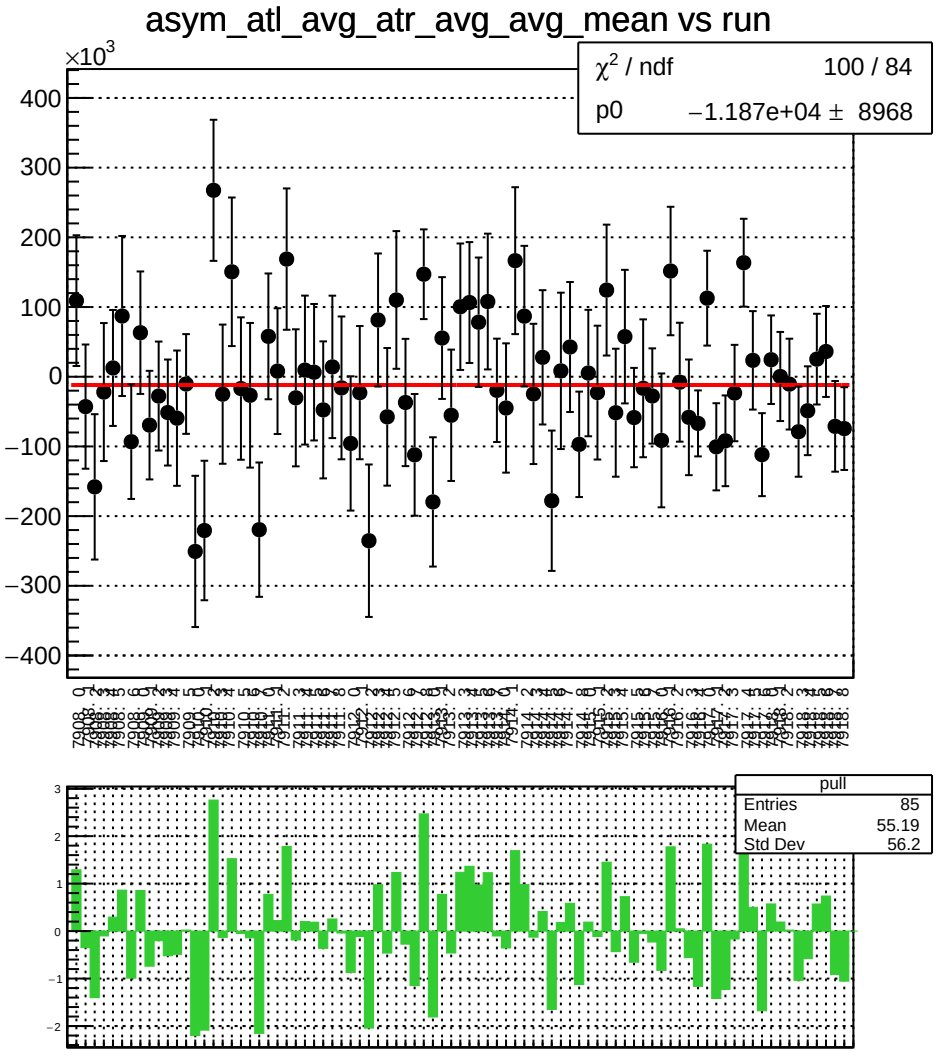
dit_asym_atl_avg_atr_avg_avg_rms vs run

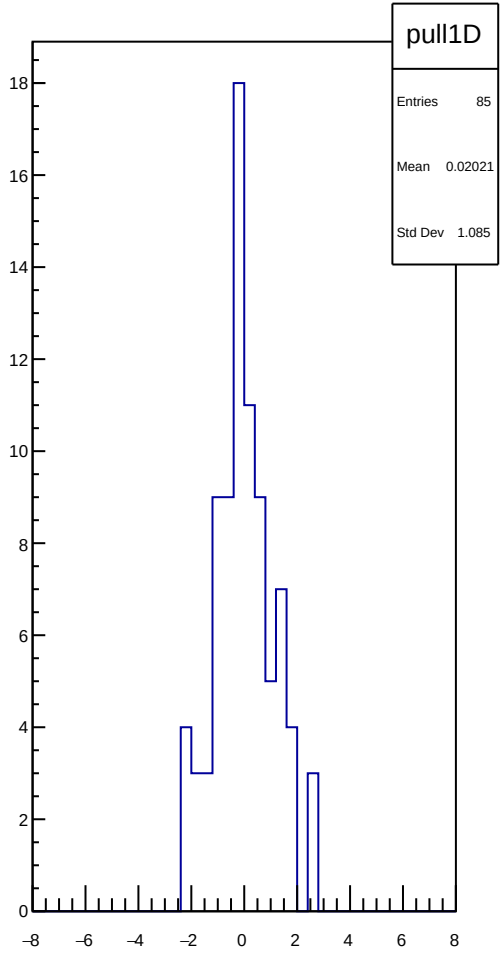



asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 102.7 / 84
p0 7382 ± 8734
pull
Entries 85
Mean 51.2
Std Dev 52.16

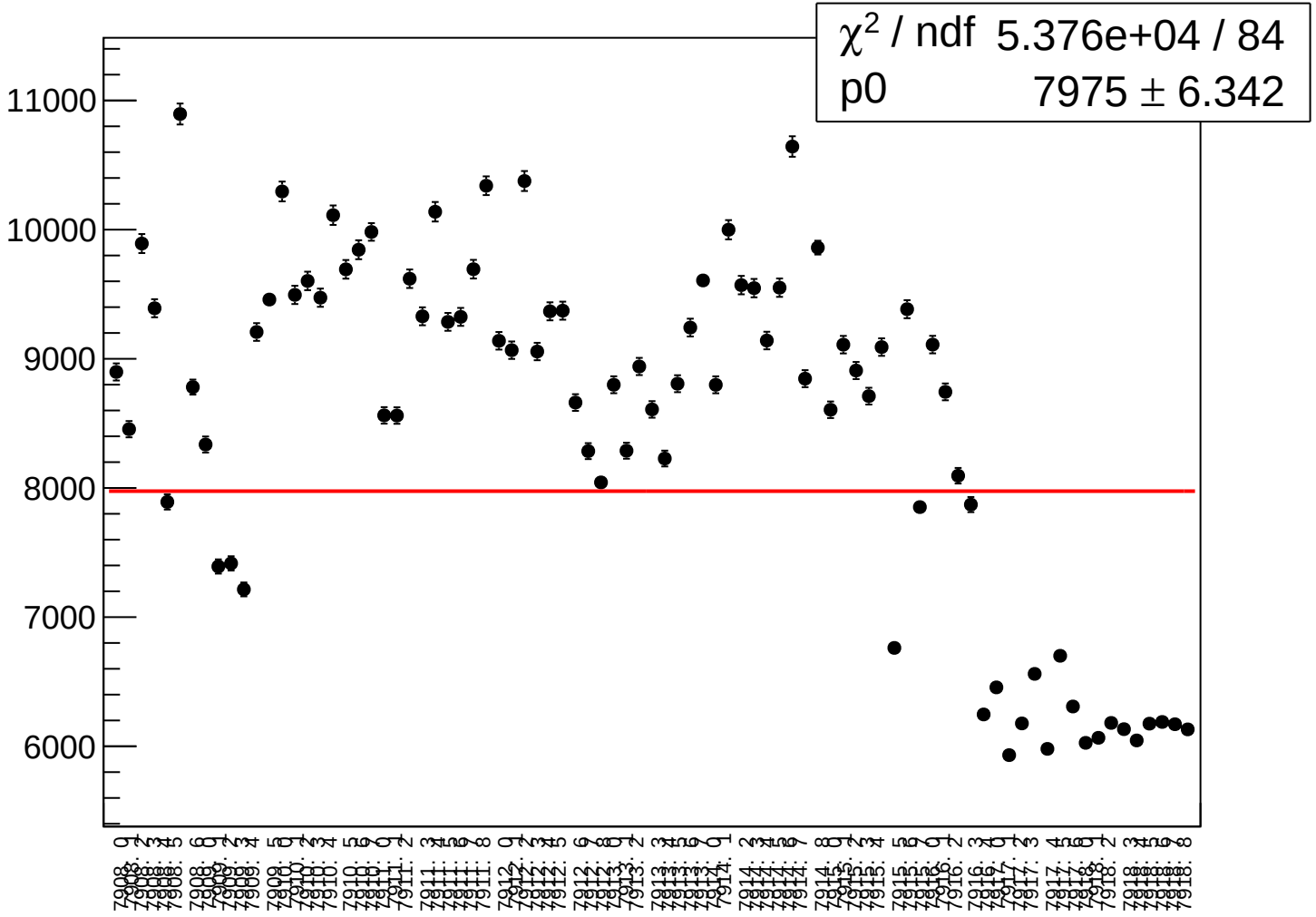

pull1D
Entries 85
Mean −0.01344
Std Dev 1.099

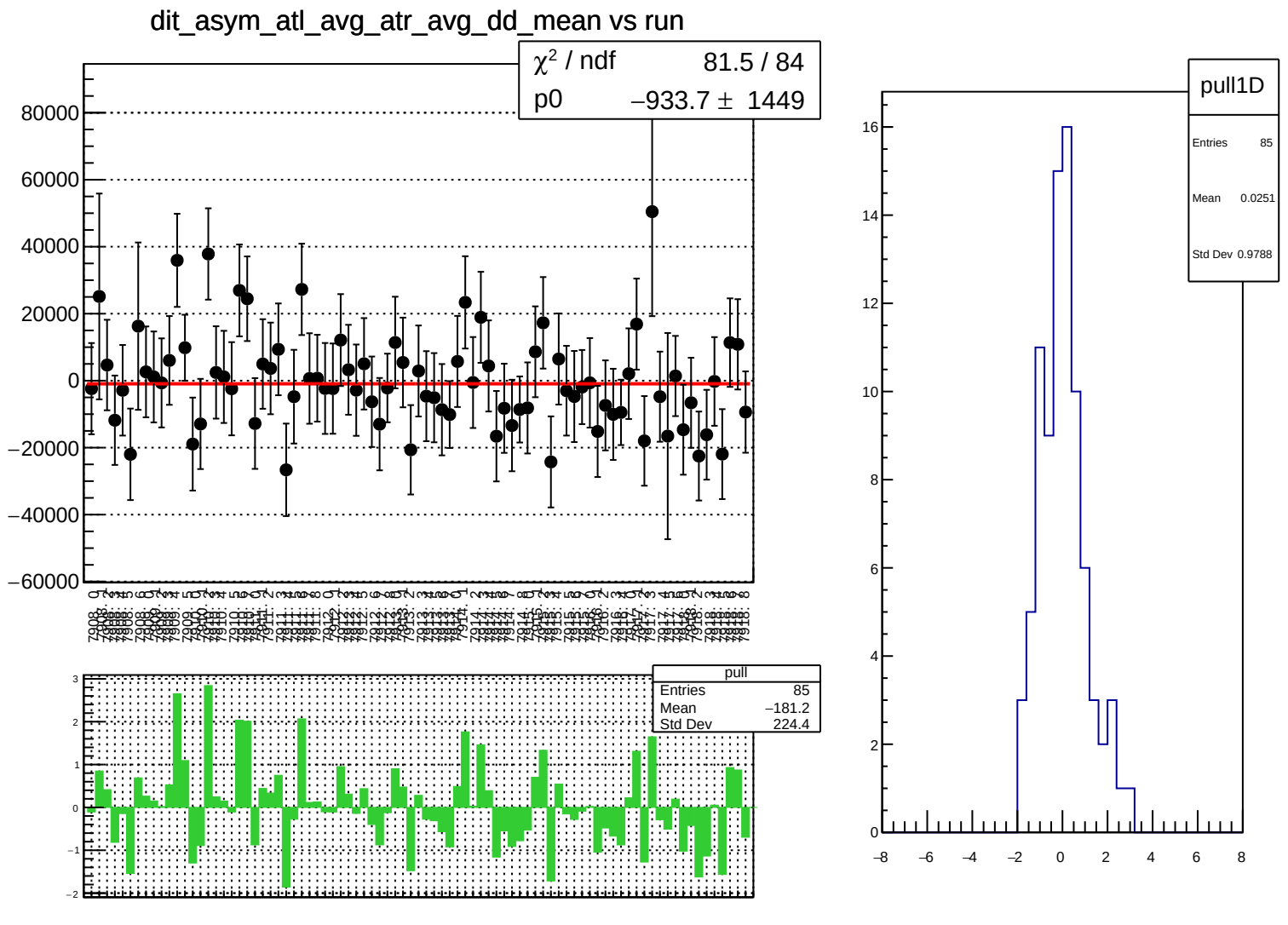

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 6.786e+04 / 84
p0 7732 ± 6.176
11000
10000
9000
8000
7000
6000
5000

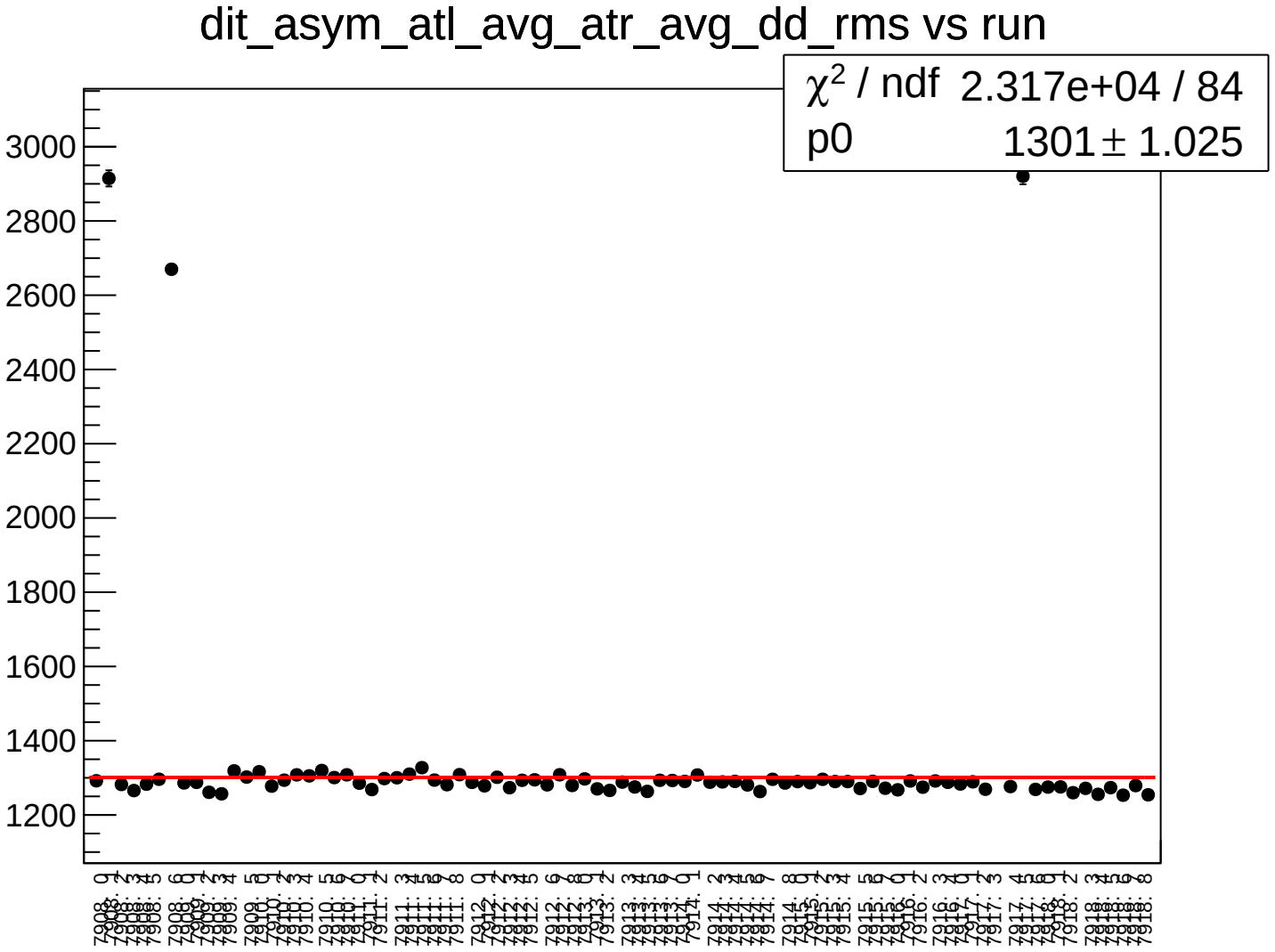

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 100 / 84
p0 −1.187e+04 ± 8968
pull
Entries 85
Mean 55.19
Std Dev 56.2

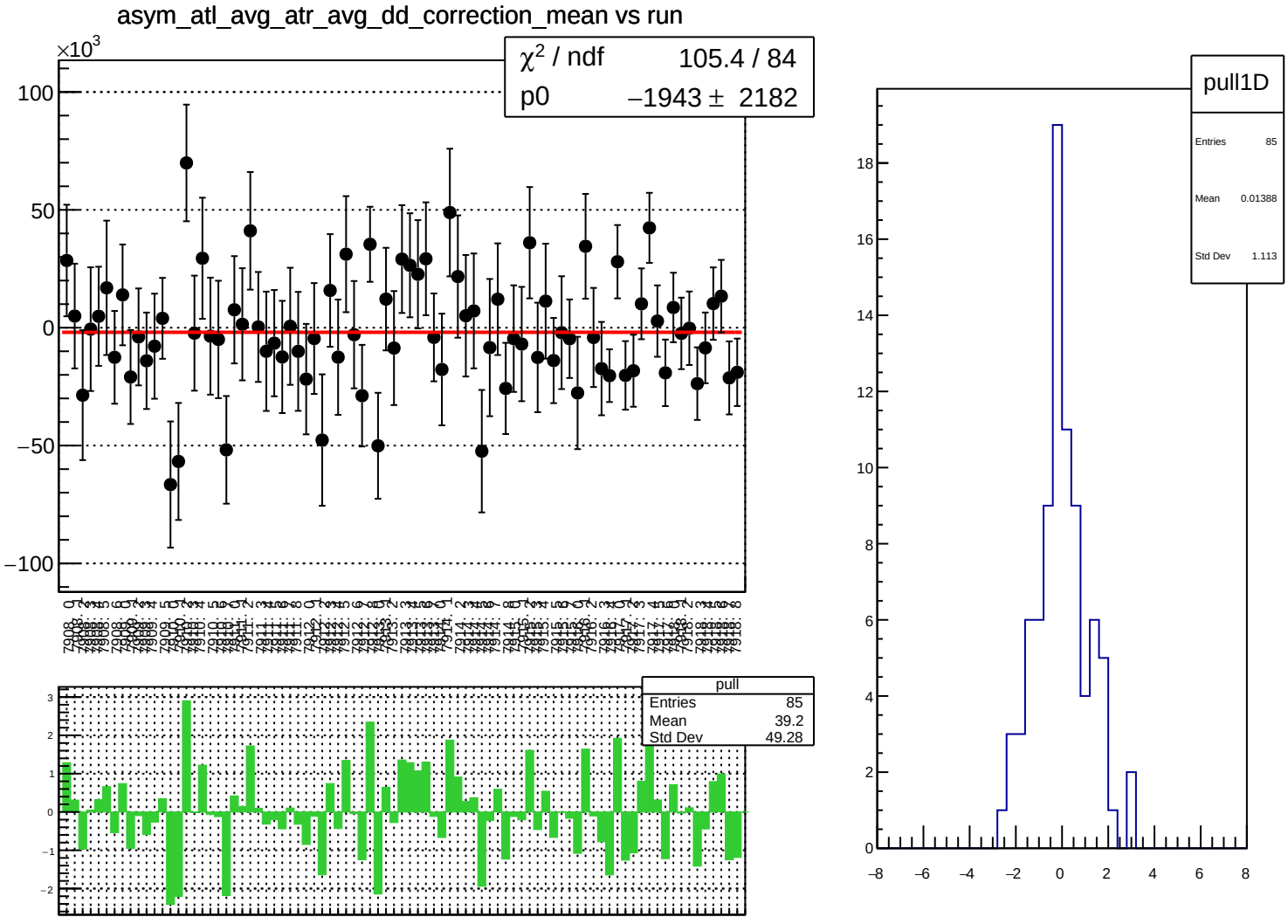

pull1D
Entries 85
Mean 0.02021
Std Dev 1.085

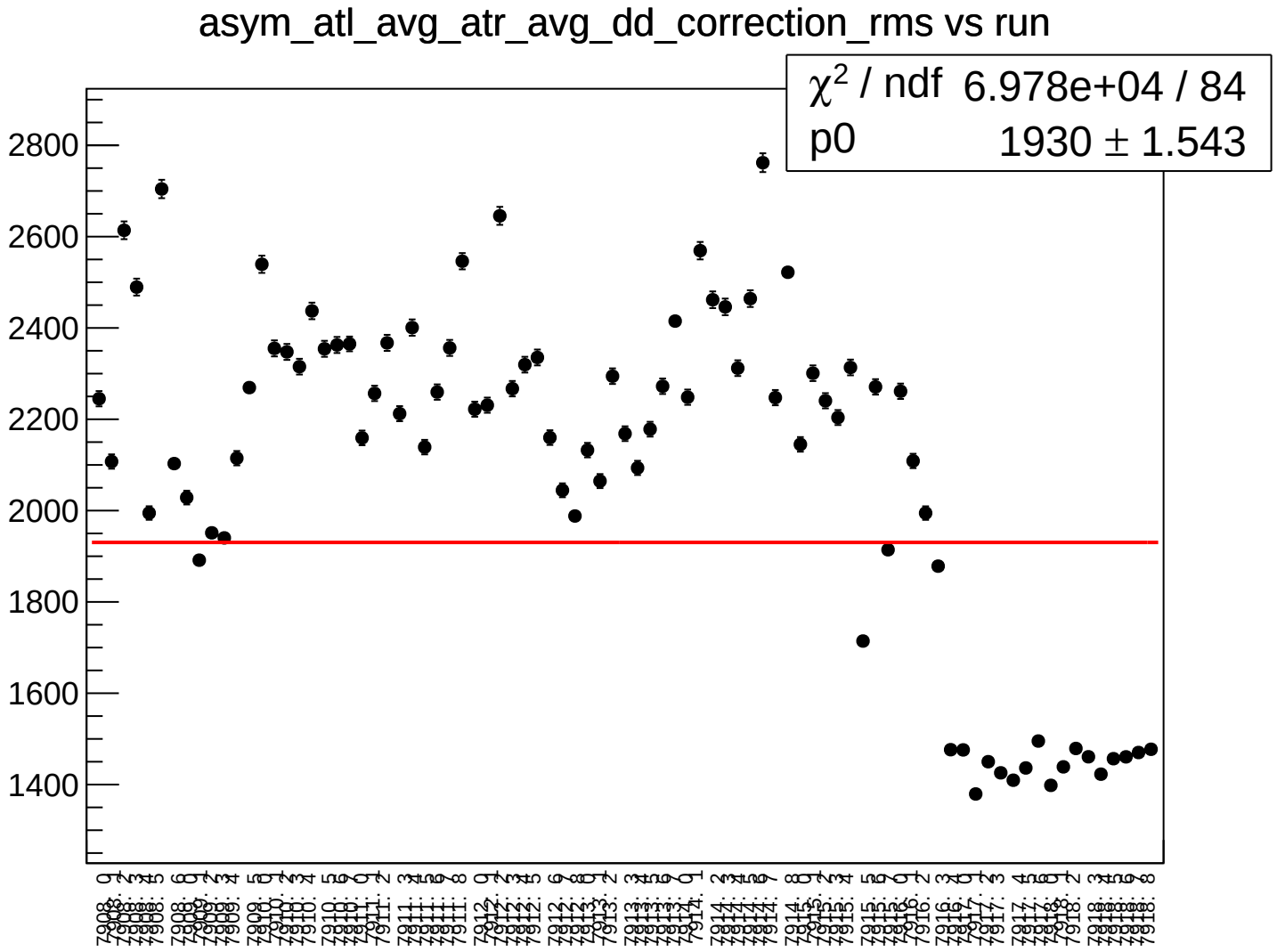
asym_atl_avg_atr_avg_avg_rms vs run

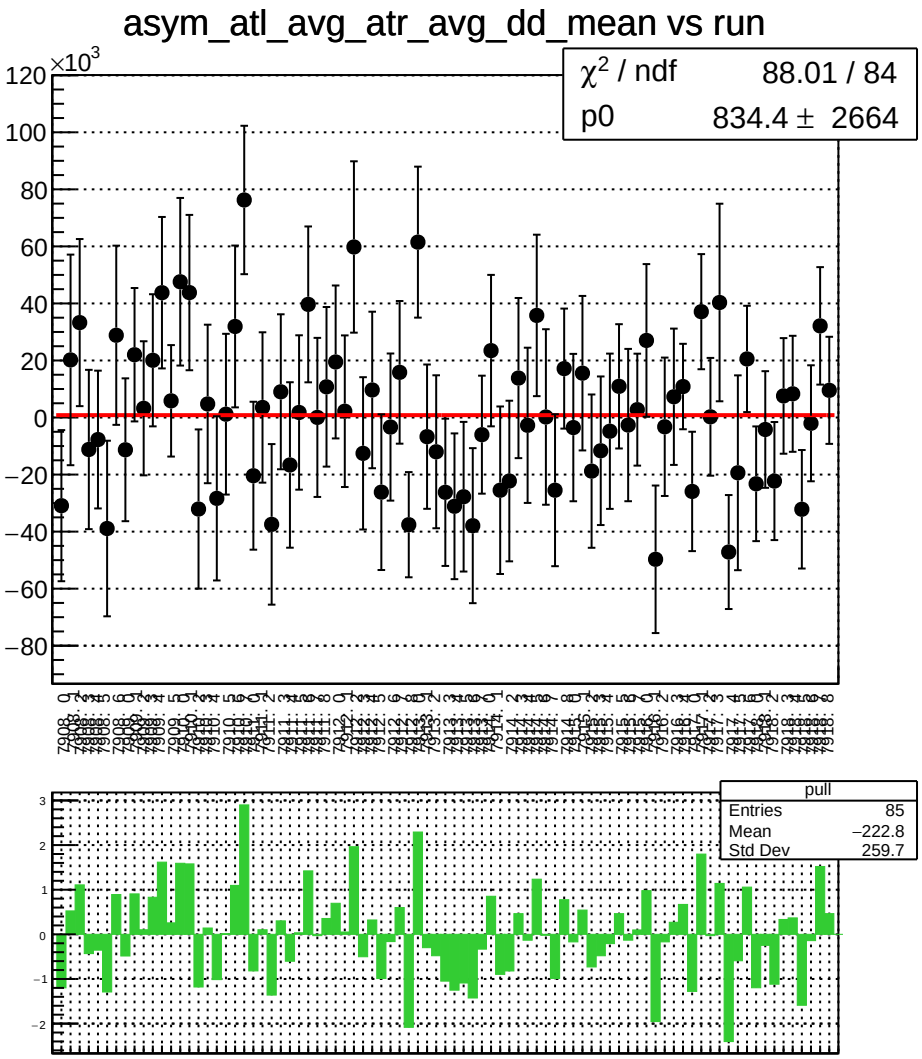


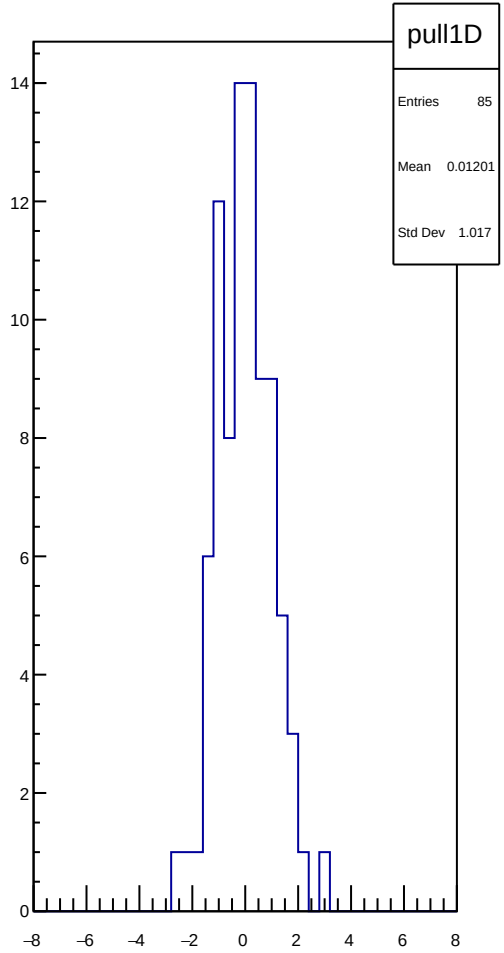

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 81.5 / 84
p0 −933.7 ± 1449
pull
Entries 85
Mean −181.2
Std Dev 224.4
pull1D
Entries 85
Mean 0.0251
Std Dev 0.9788


dit_asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 2.317e+04 / 84
p0 1301 ± 1.025
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

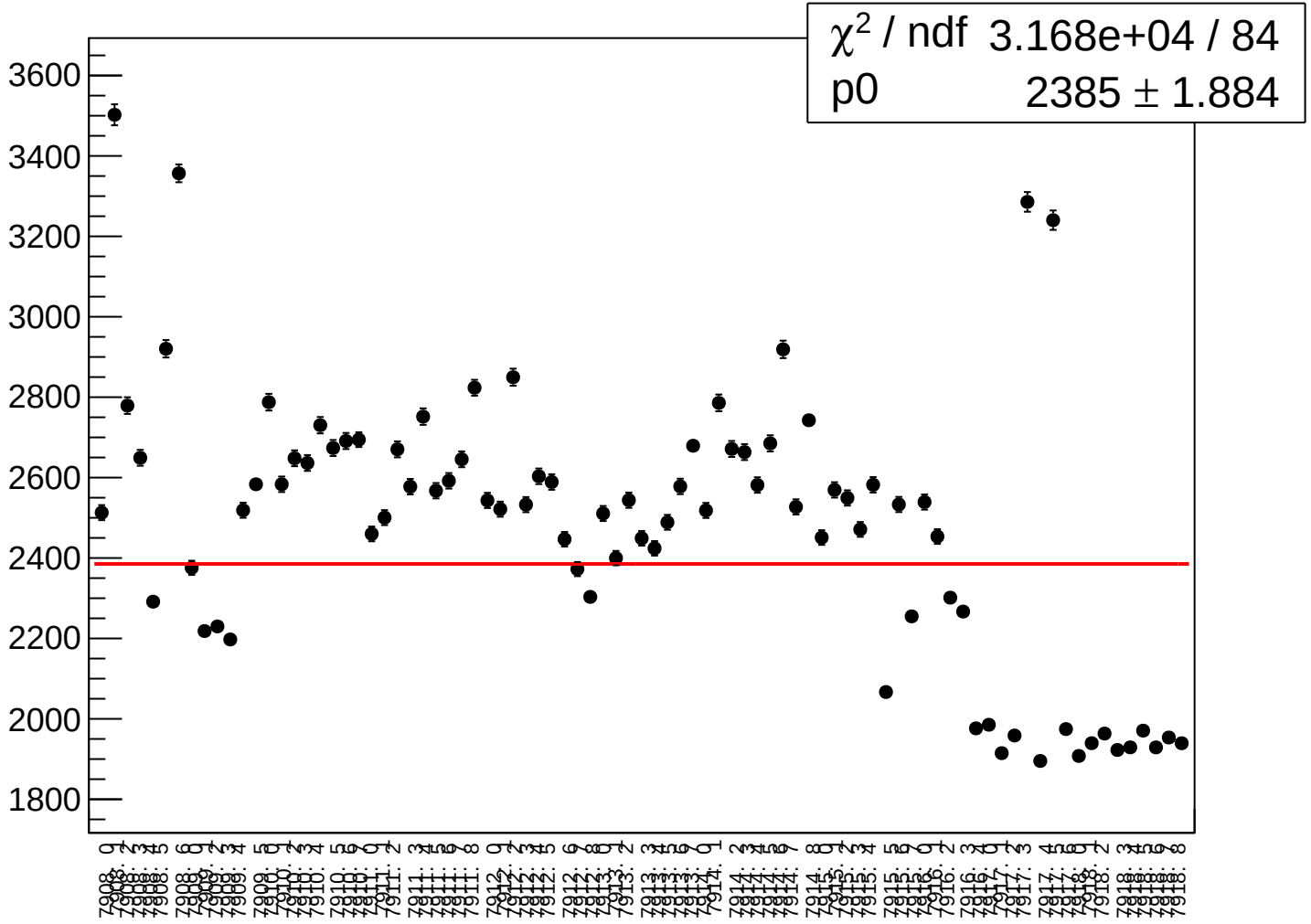

asym_atl_avg_atr_avg_dd_correction_mean vs run
×10^3
χ² / ndf 105.4 / 84
p0 −1943 ± 2182
pull
Entries 85
Mean 39.2
Std Dev 49.28
pull1D
Entries 85
Mean 0.01388
Std Dev 1.113

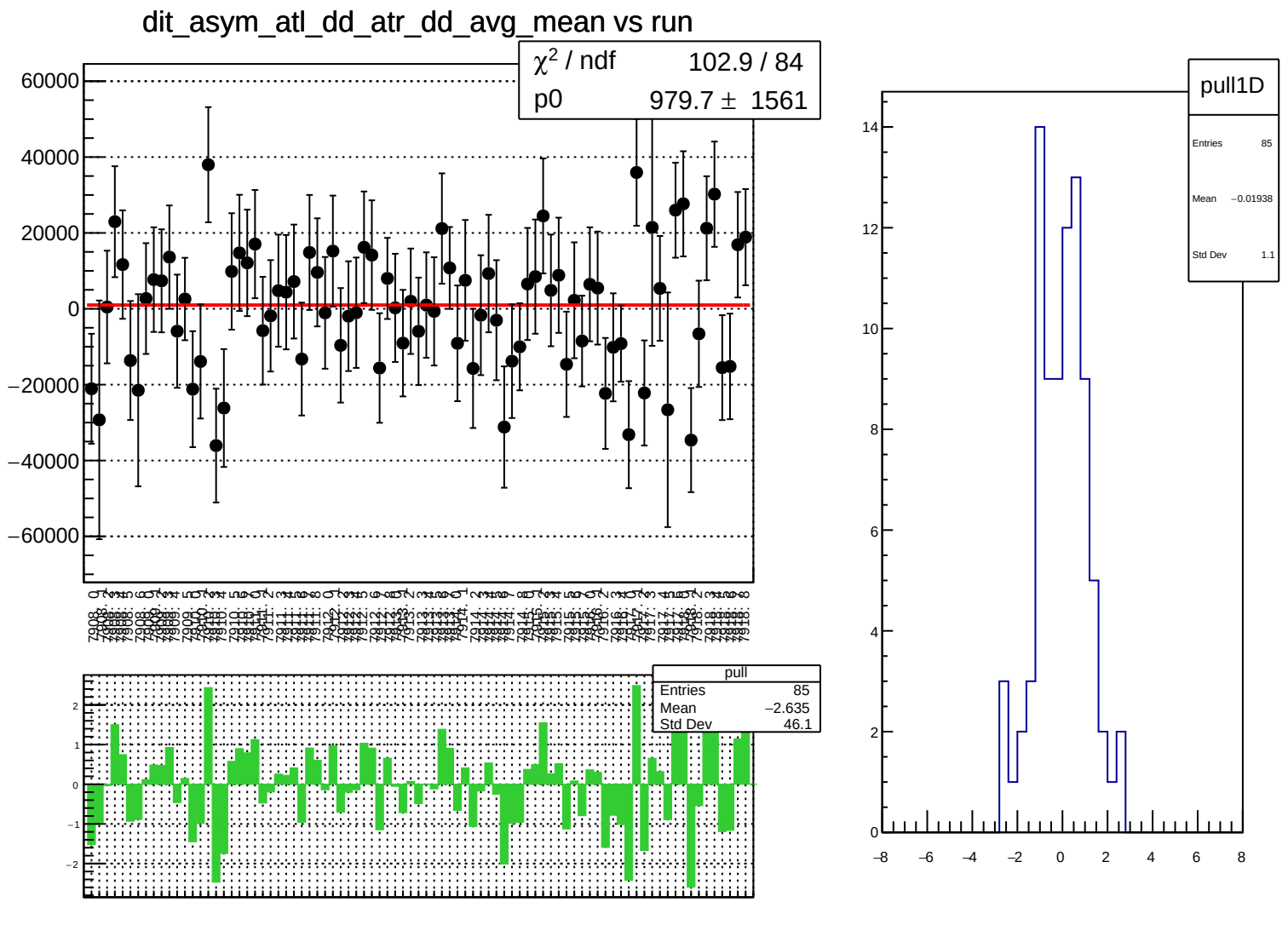

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 6.978e+04 / 84
p0 1930 ± 1.543
2800
2600
2400
2200
2000
1800
1600
1400


asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 88.01 / 84
p0 834.4 ± 2664
×10^3
pull
Entries 85
Mean −222.8
Std Dev 259.7

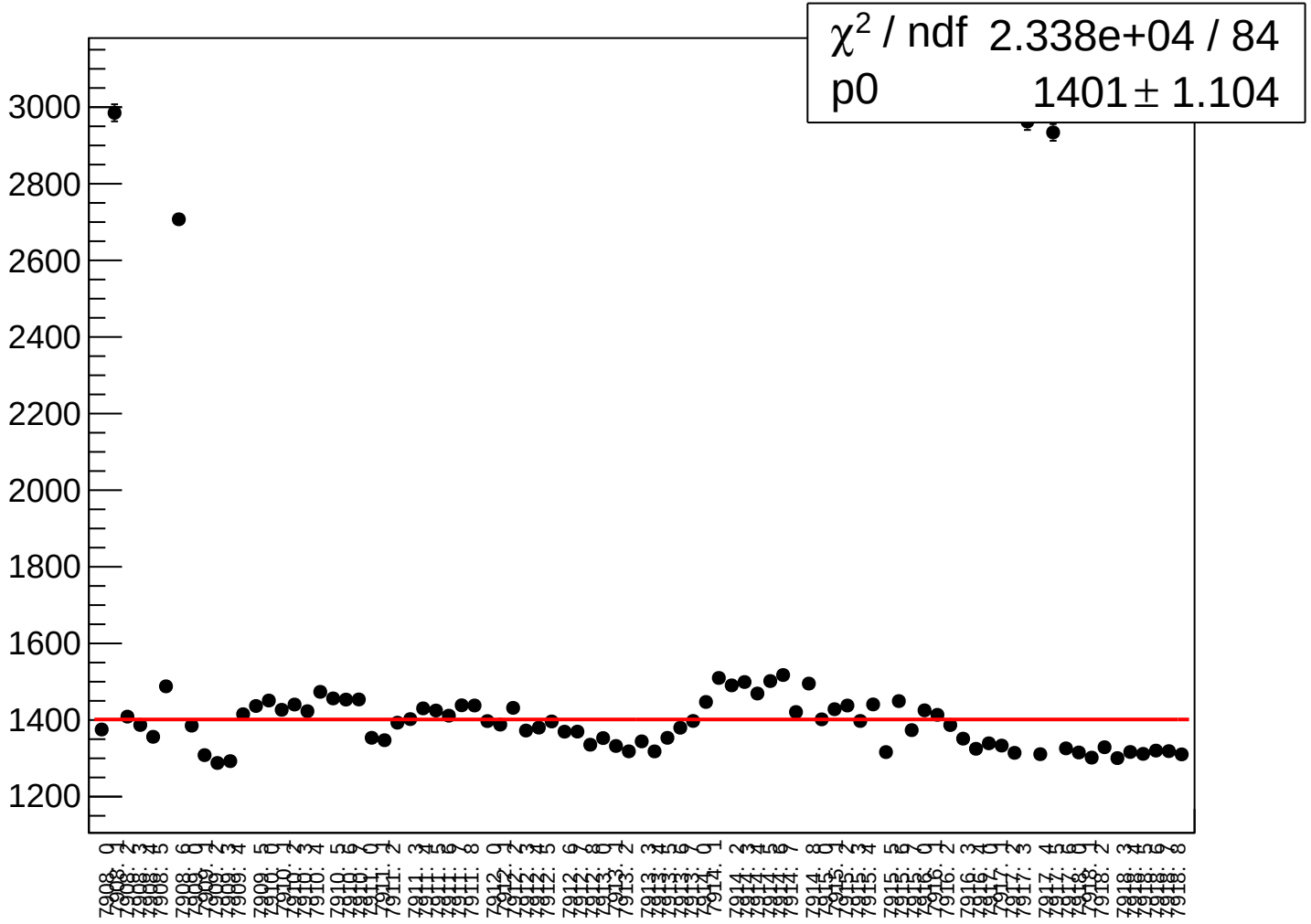

pull1D
Entries 85
Mean 0.01201
Std Dev 1.017

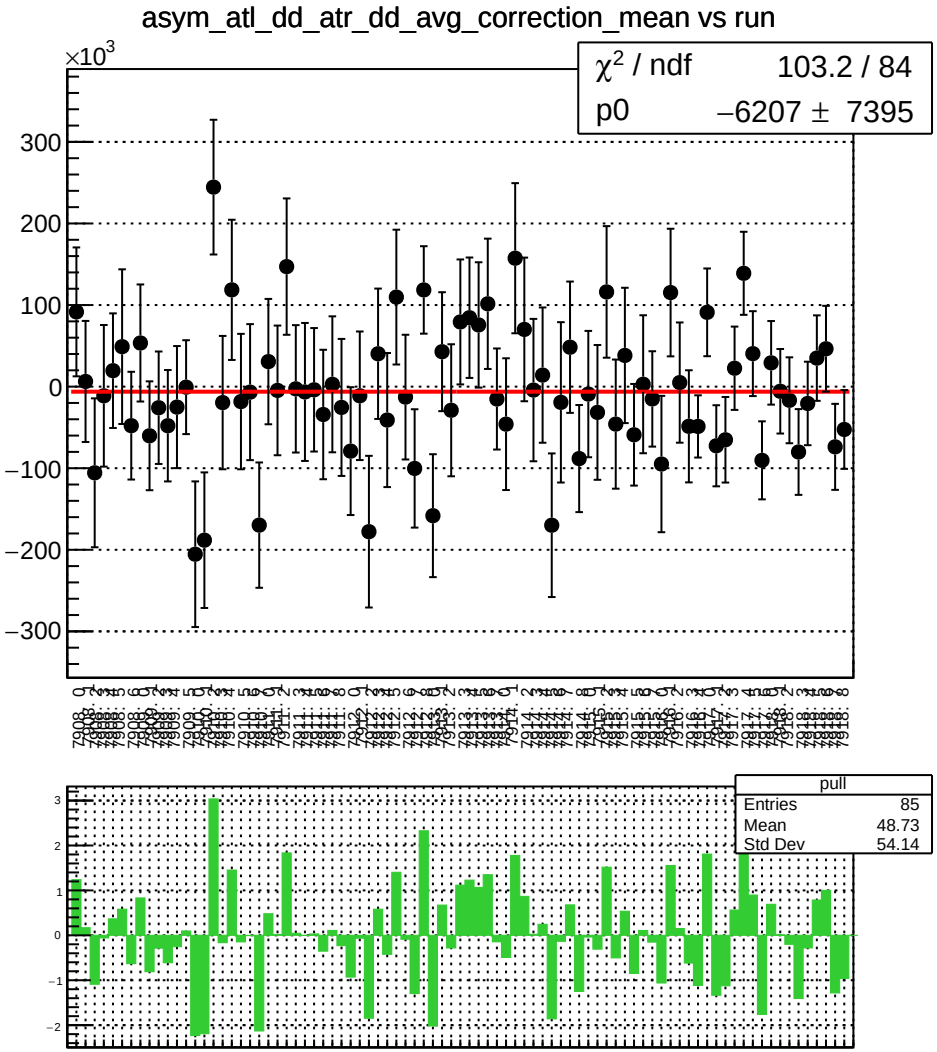
asym_atl_avg_atr_avg_dd_rms vs run

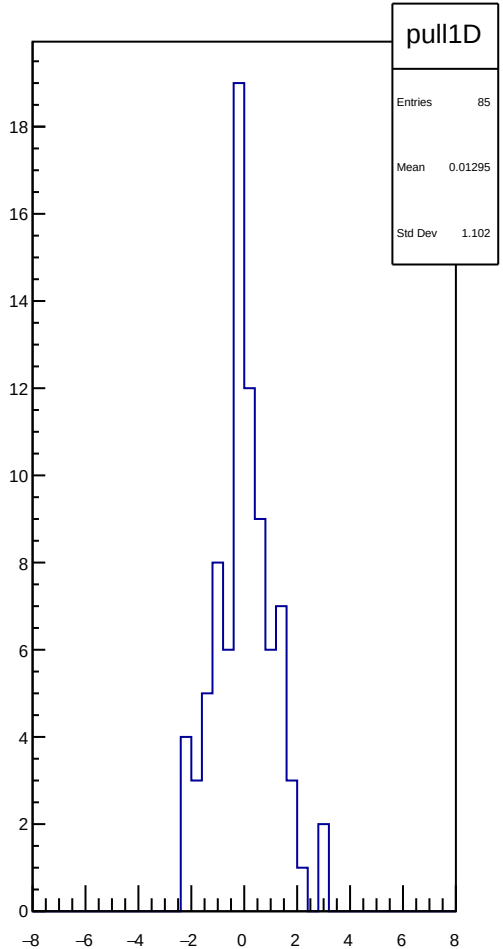


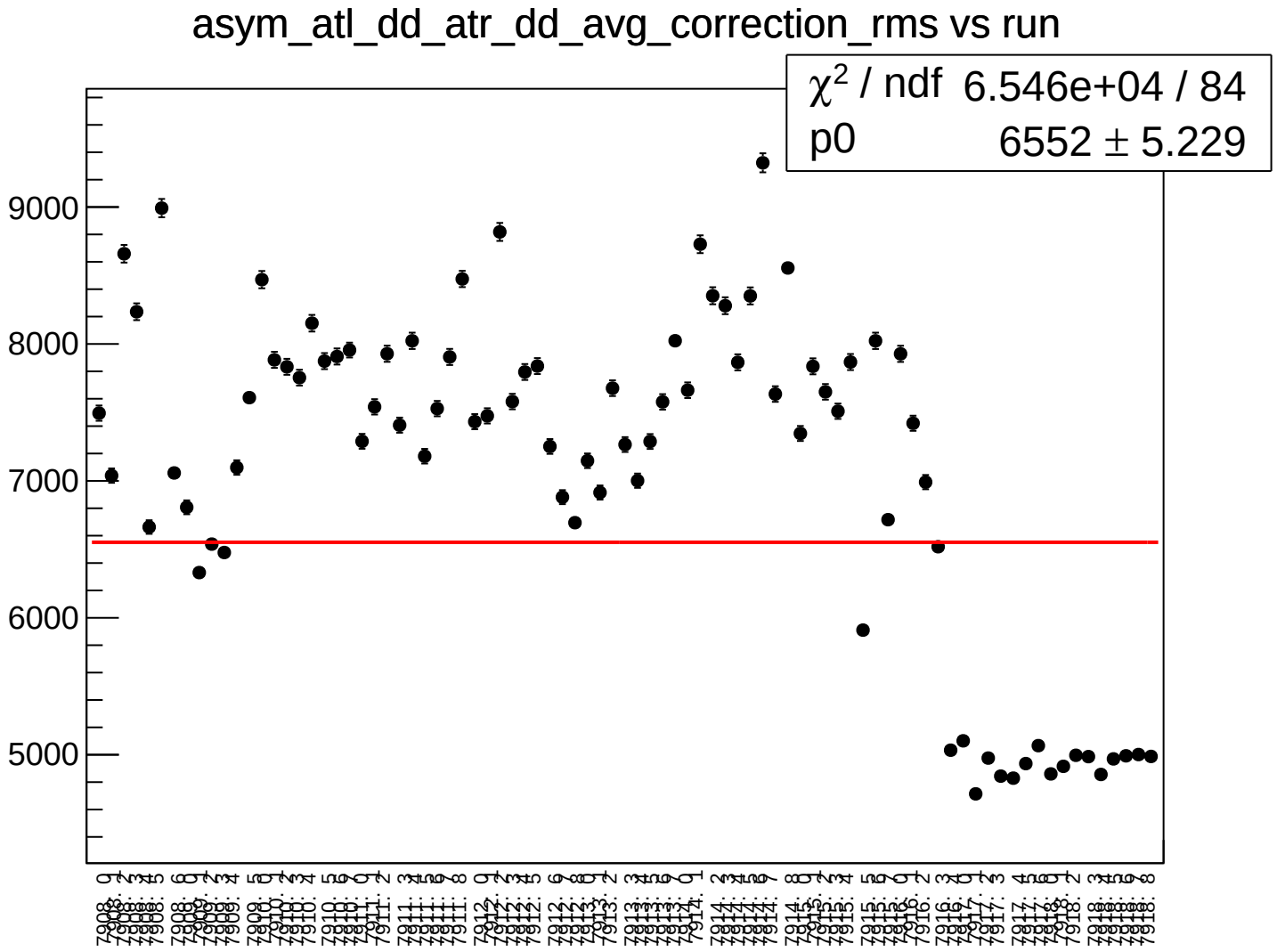

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 102.9 / 84
p0 979.7 ± 1561
pull
Entries 85
Mean −2.635
Std Dev 46.1
pull1D
Entries 85
Mean −0.01938
Std Dev 1.1

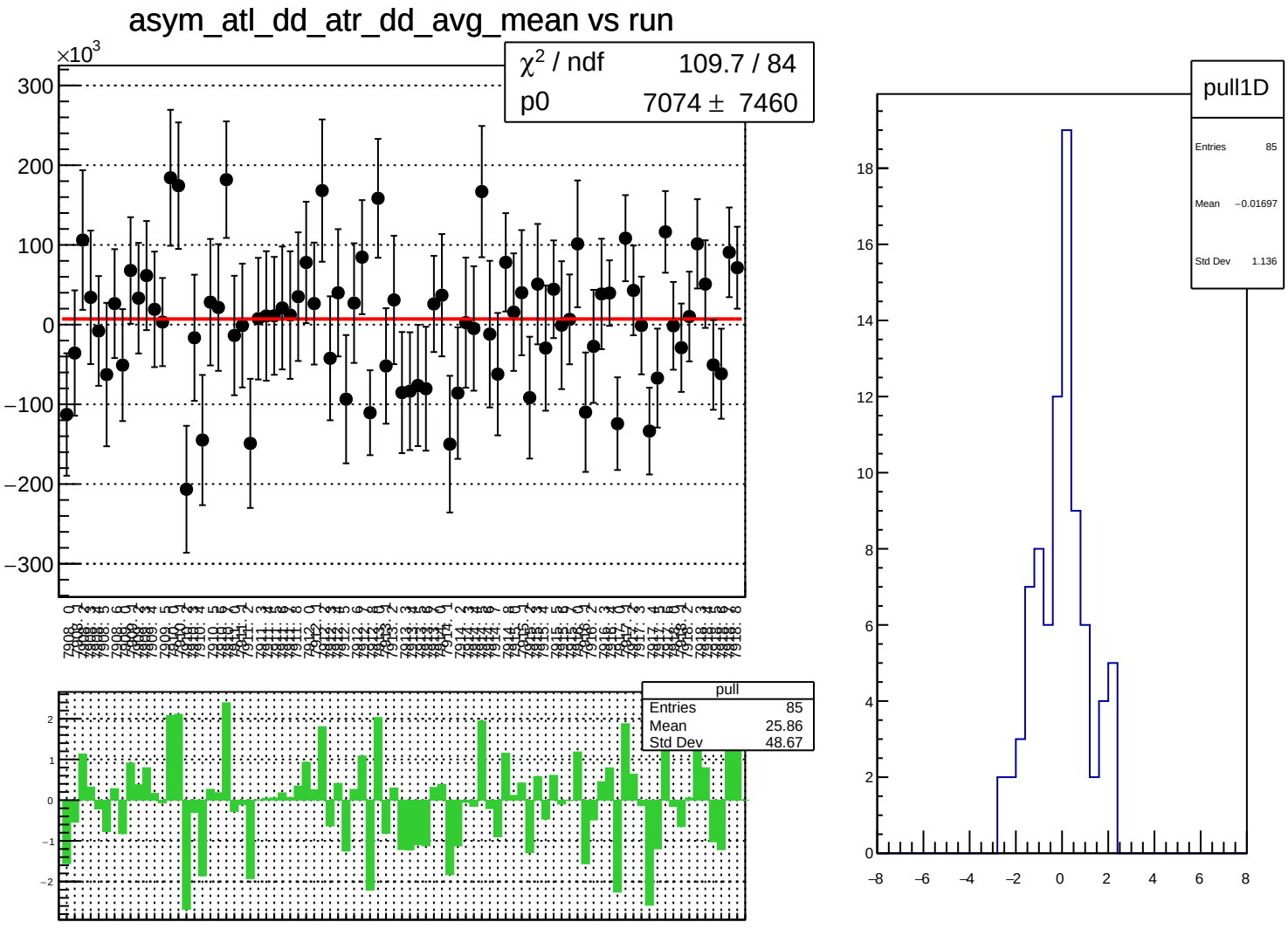
dit_asym_atl_dd_atr_dd_avg_rms vs run

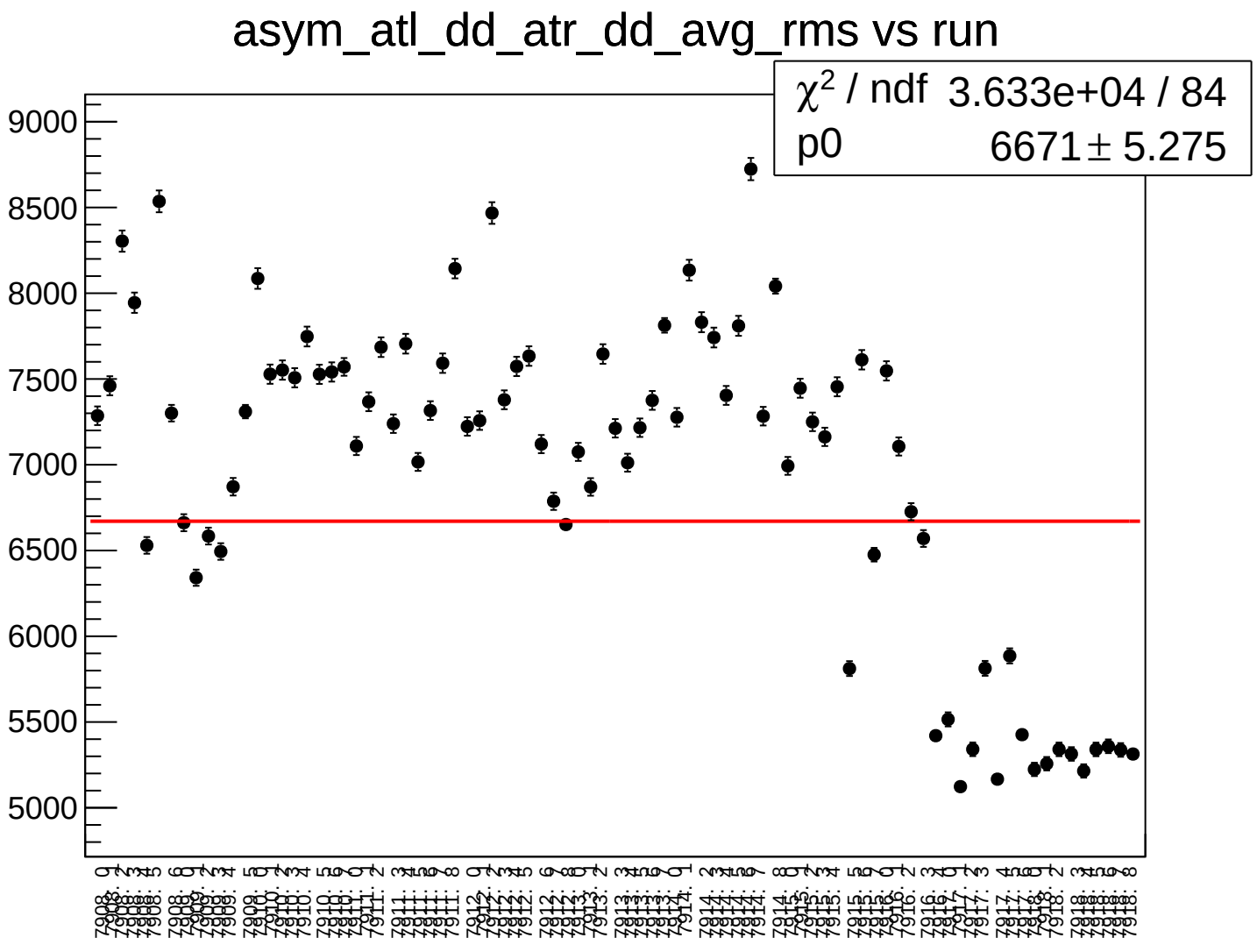


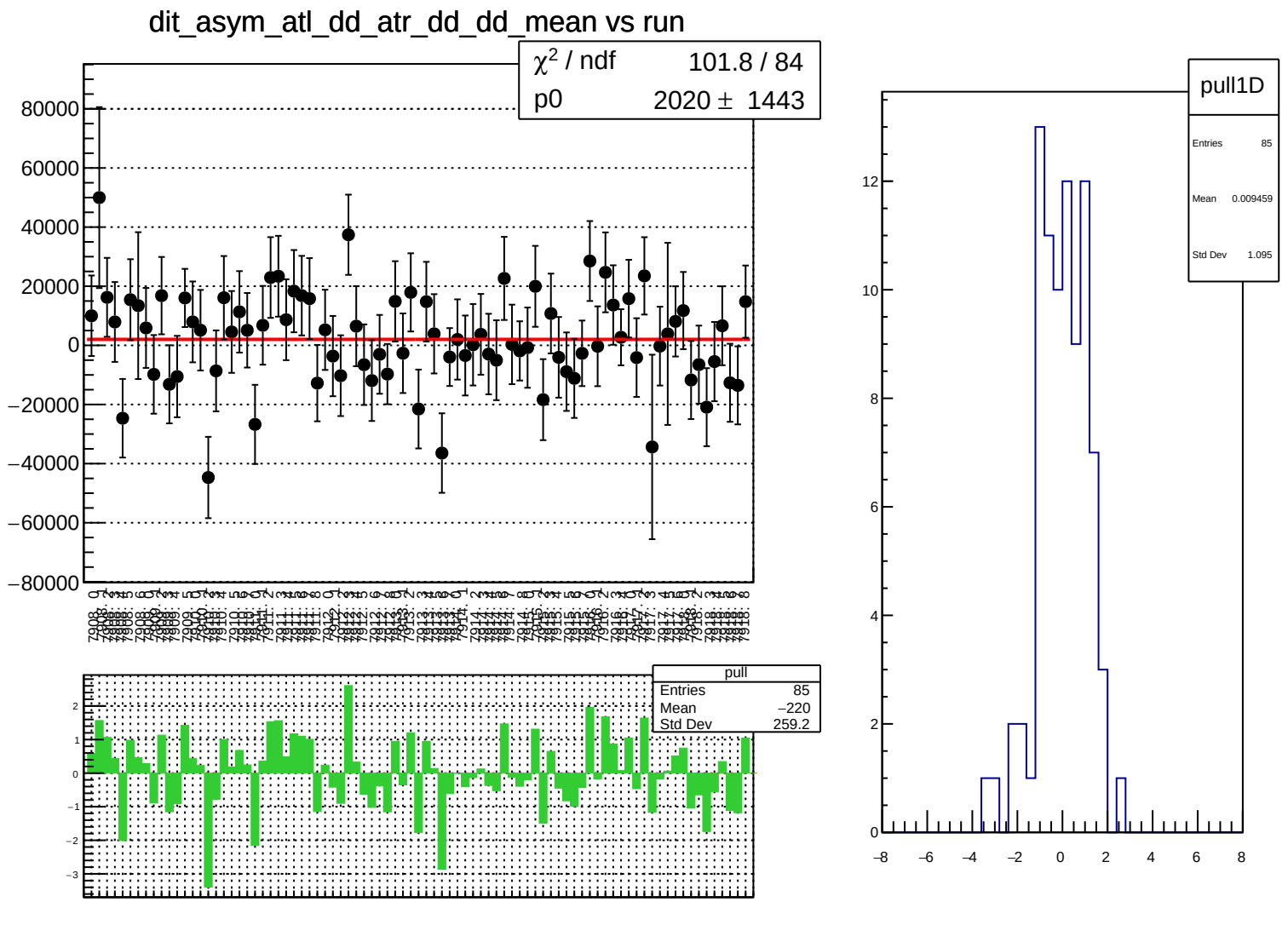

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 103.2 / 84
p0 −6207 ± 7395
pull
Entries 85
Mean 48.73
Std Dev 54.14


pull1D
Entries 85
Mean 0.01295
Std Dev 1.102

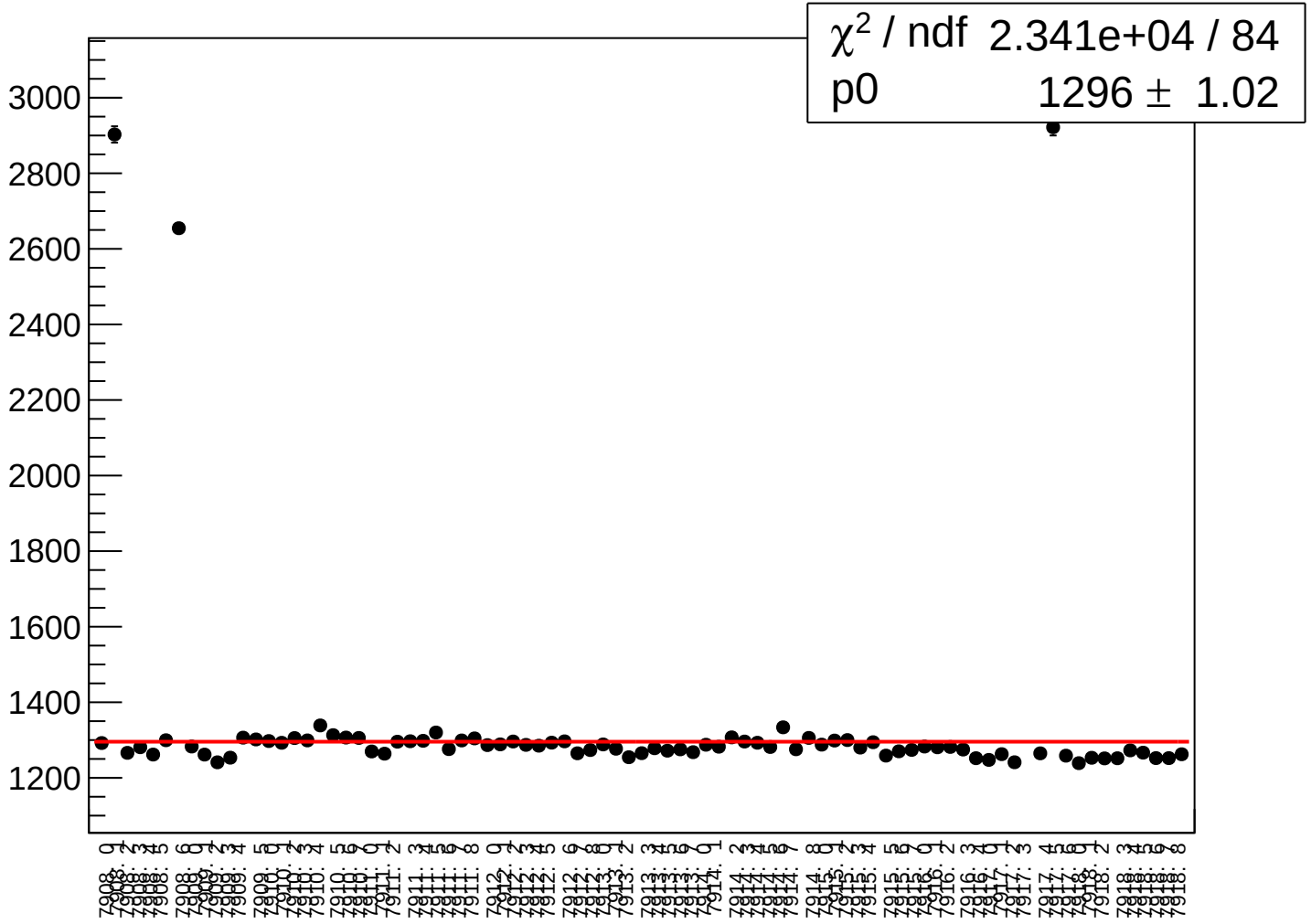

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 6.546e+04 / 84
p0 6552 ± 5.229
9000
8000
7000
6000
5000

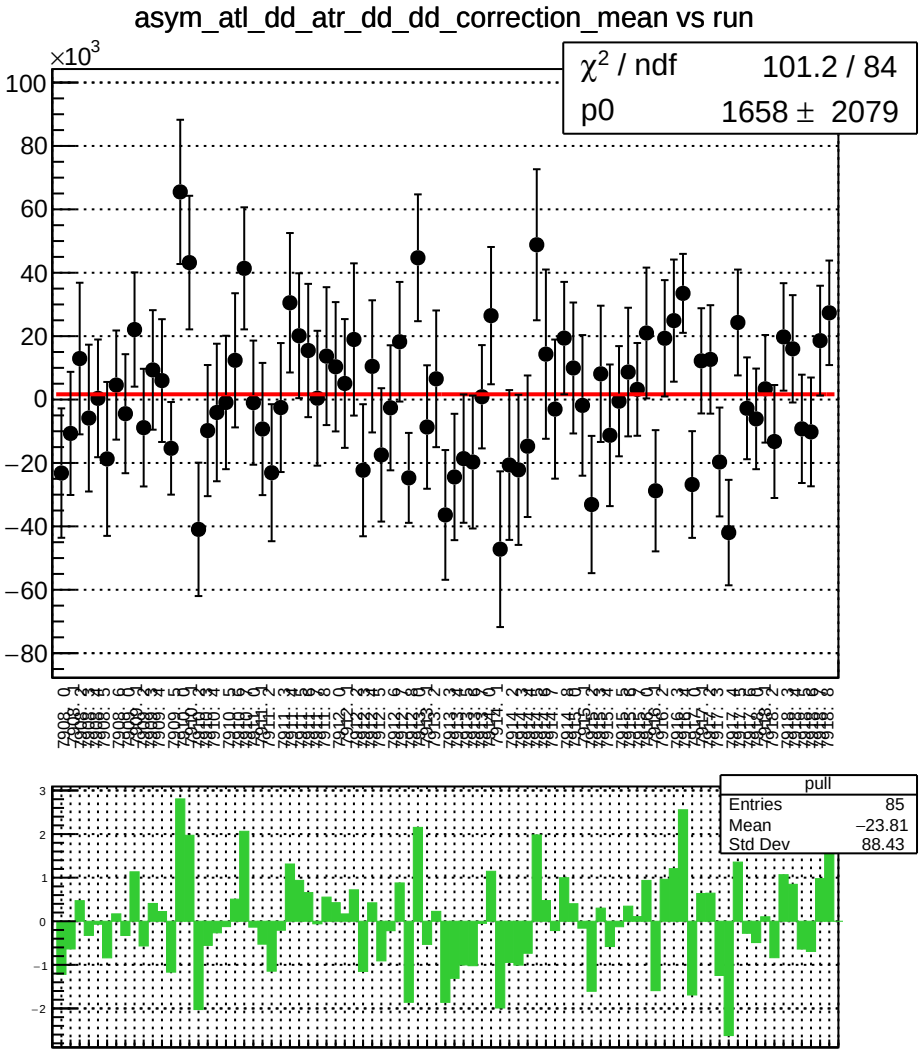

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 109.7 / 84
p0 7074 ± 7460
pull
Entries 85
Mean 25.86
Std Dev 48.67
pull1D
Entries 85
Mean −0.01697
Std Dev 1.136

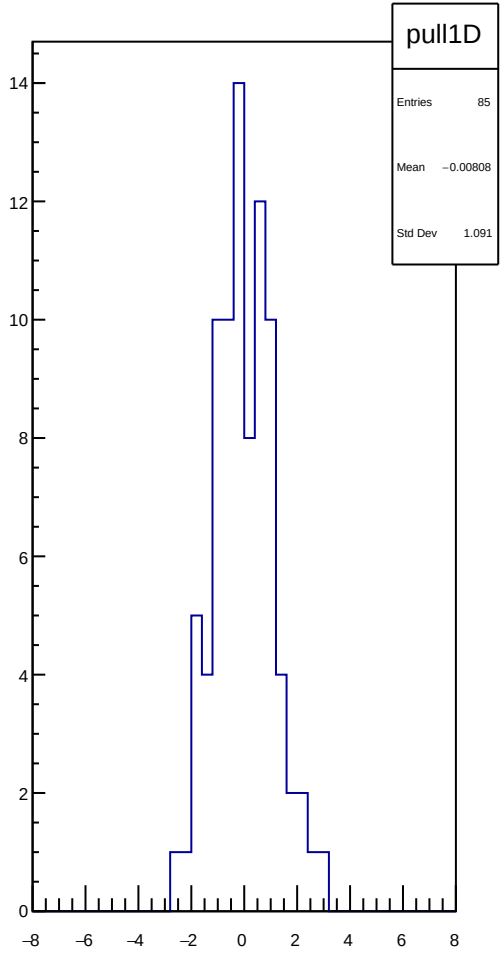

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 3.633e+04 / 84
p0 6671 ± 5.275
9000
8500
8000
7500
7000
6500
6000
5500
5000

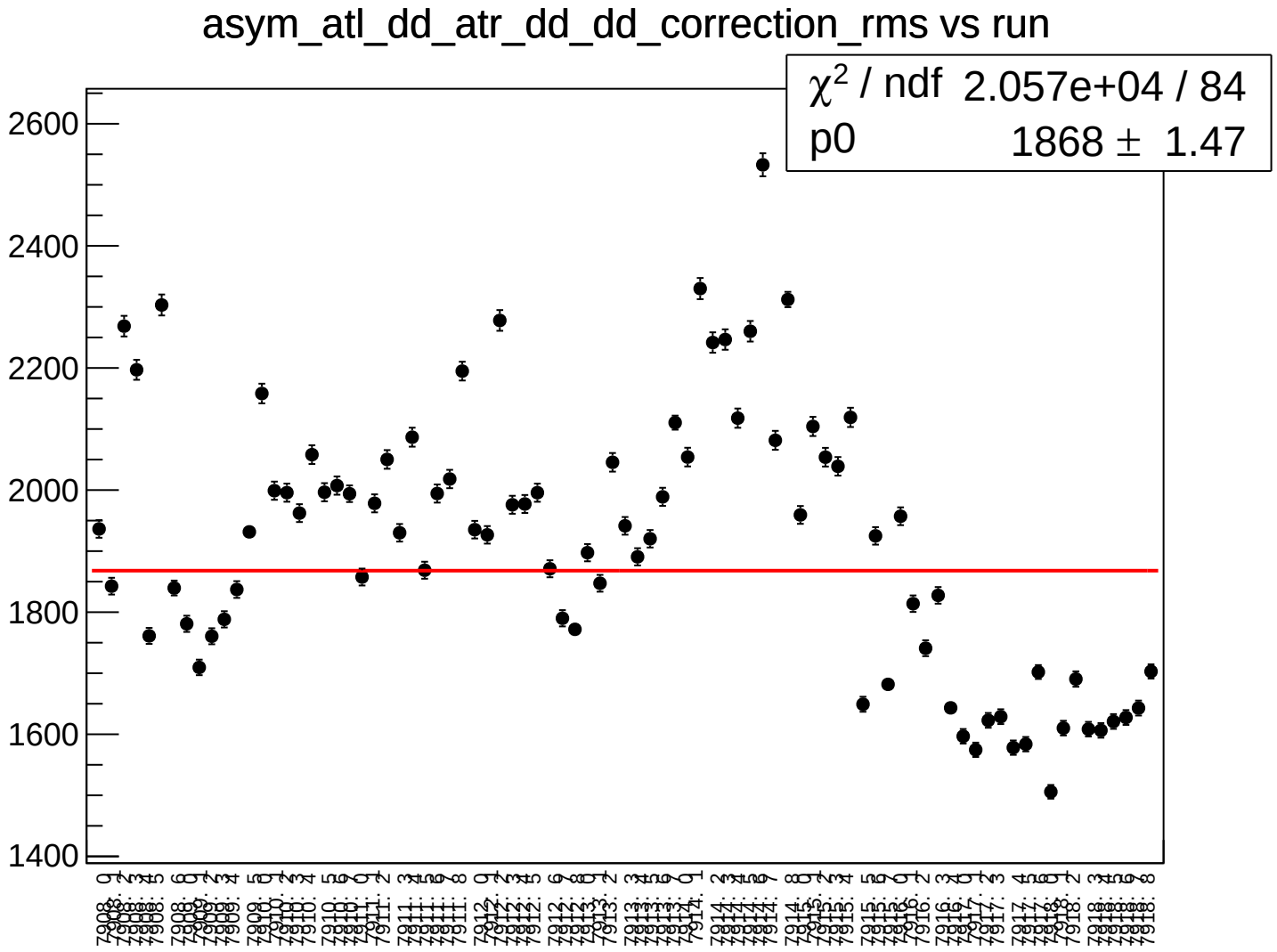

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 101.8 / 84
p0 2020 ± 1443
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean −220
Std Dev 259.2
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.009459
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

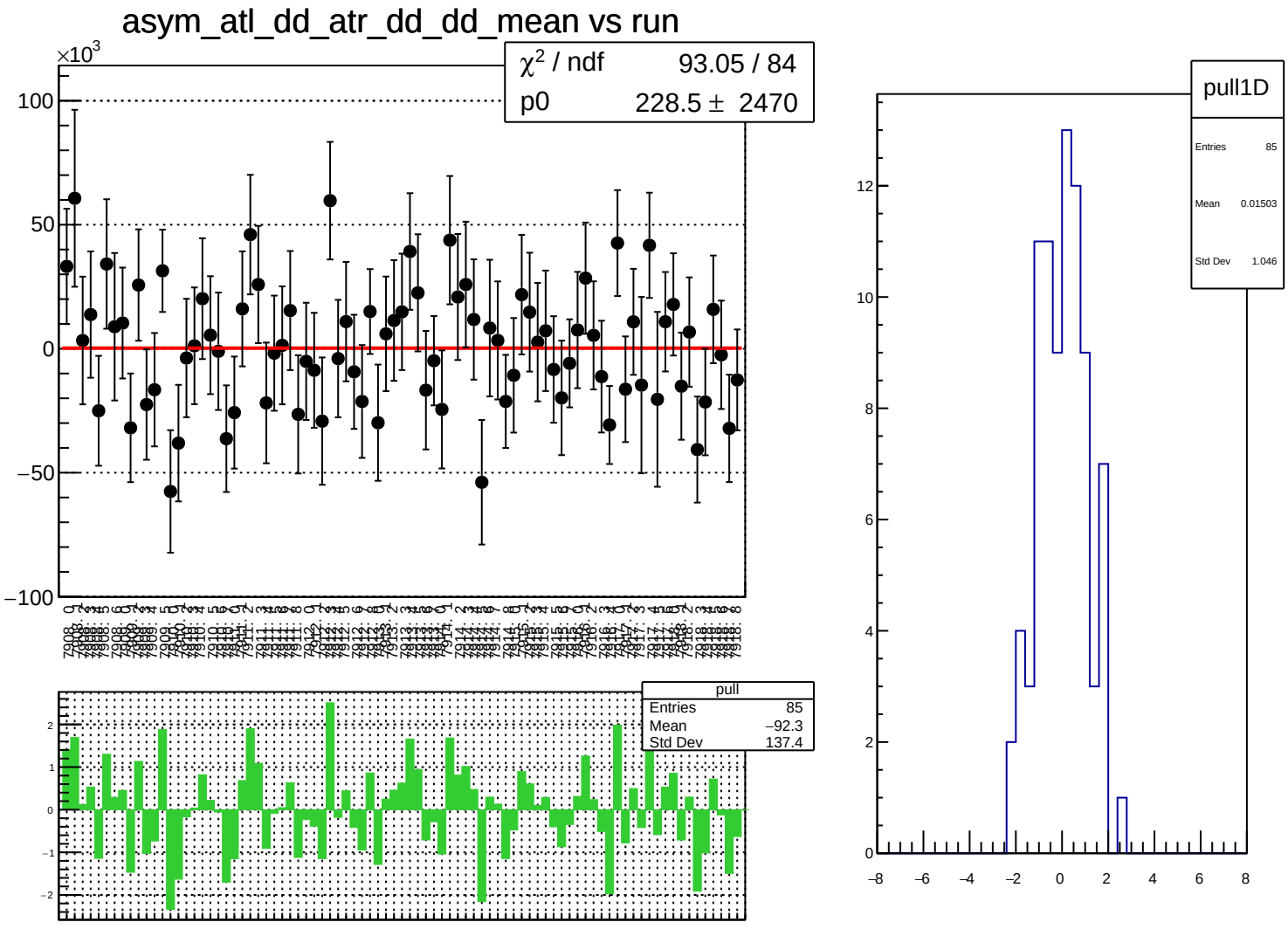
dit_asym_atl_dd_atr_dd_dd_rms vs run



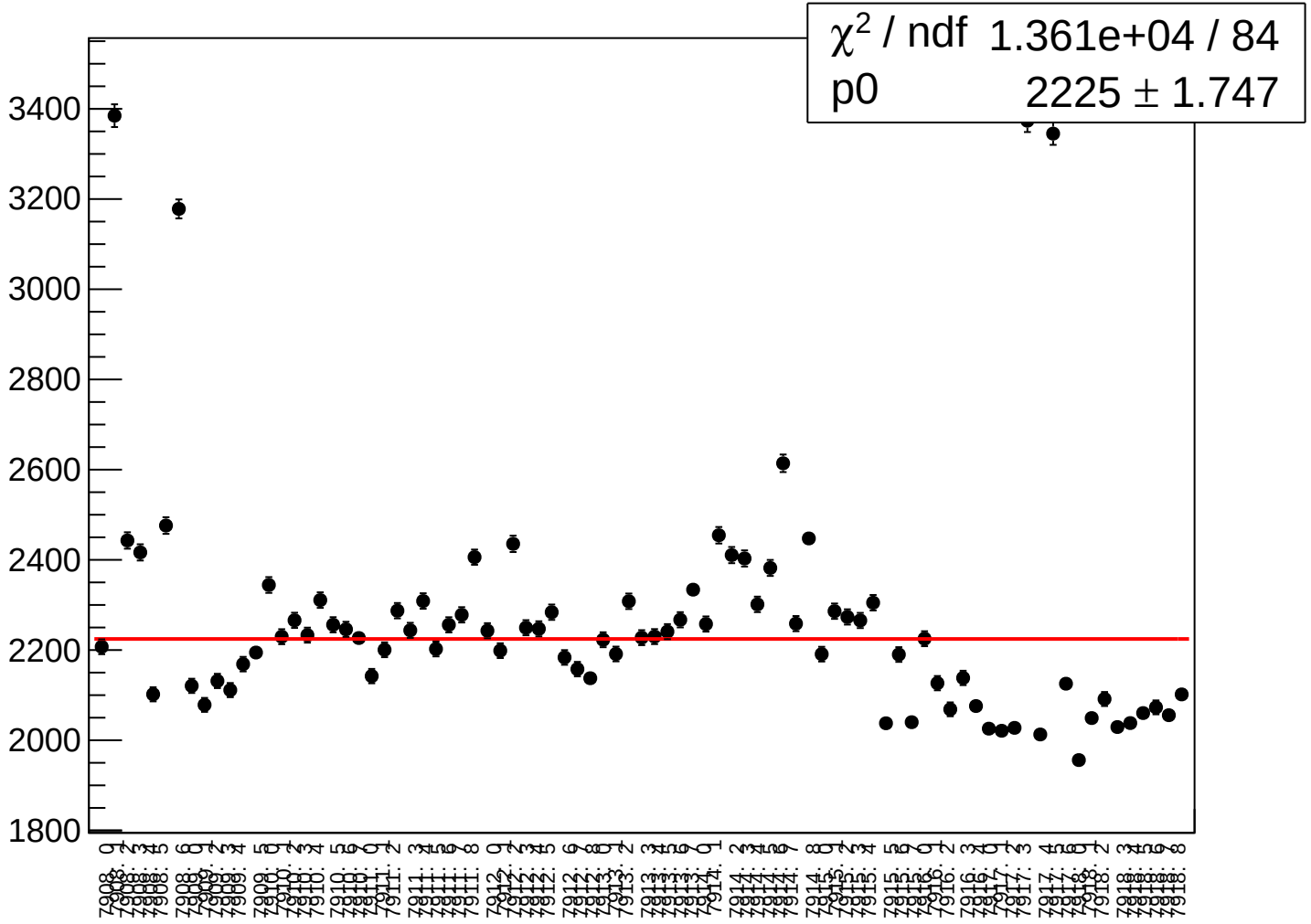

asym_atl_dd_atr_dd_dd_correction_mean vs run
×10^3
χ² / ndf 101.2 / 84
p0 1658 ± 2079
pull
Entries 85
Mean −23.81
Std Dev 88.43

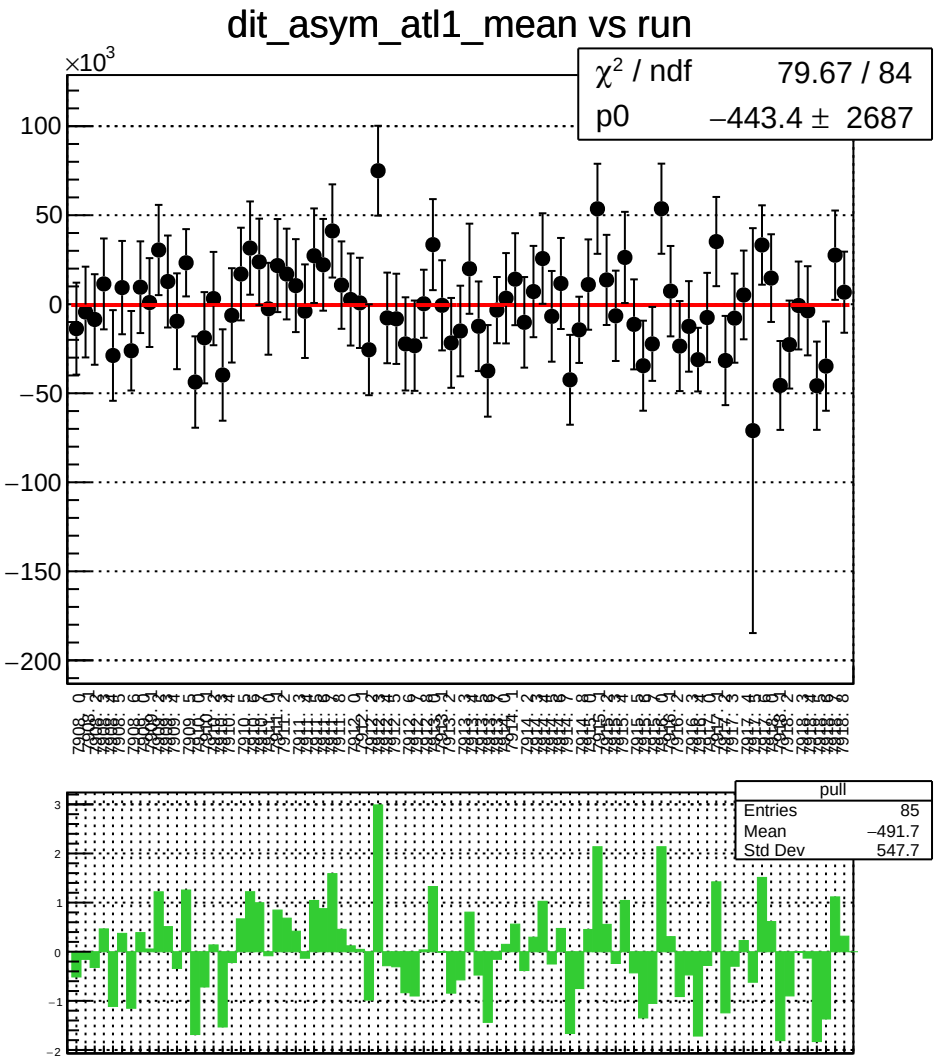

pull1D
Entries 85
Mean −0.00808
Std Dev 1.091

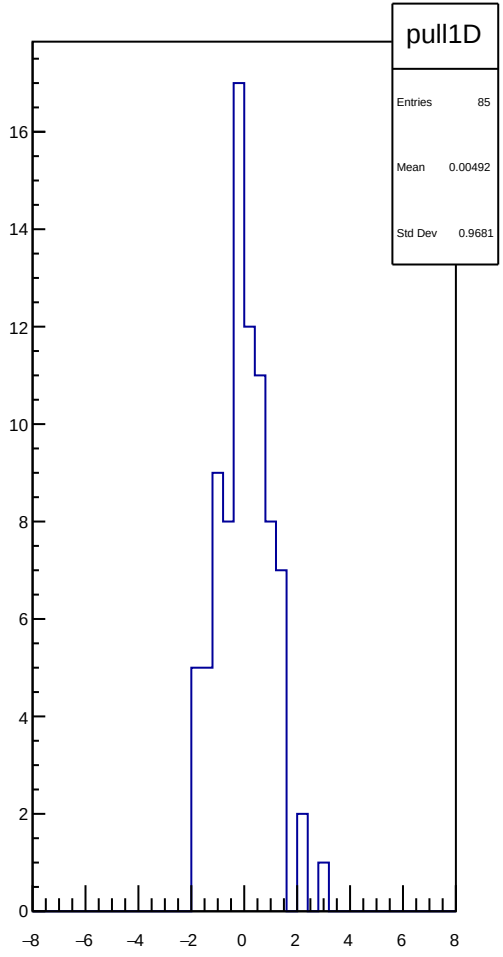

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ2 / ndf 2.057e+04 / 84
p0 1868 ± 1.47
2600
2400
2200
2000
1800
1600
1400


asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 93.05 / 84
p0 228.5 ± 2470
100
50
0
−50
−100
pull
Entries 85
Mean −92.3
Std Dev 137.4
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.01503
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

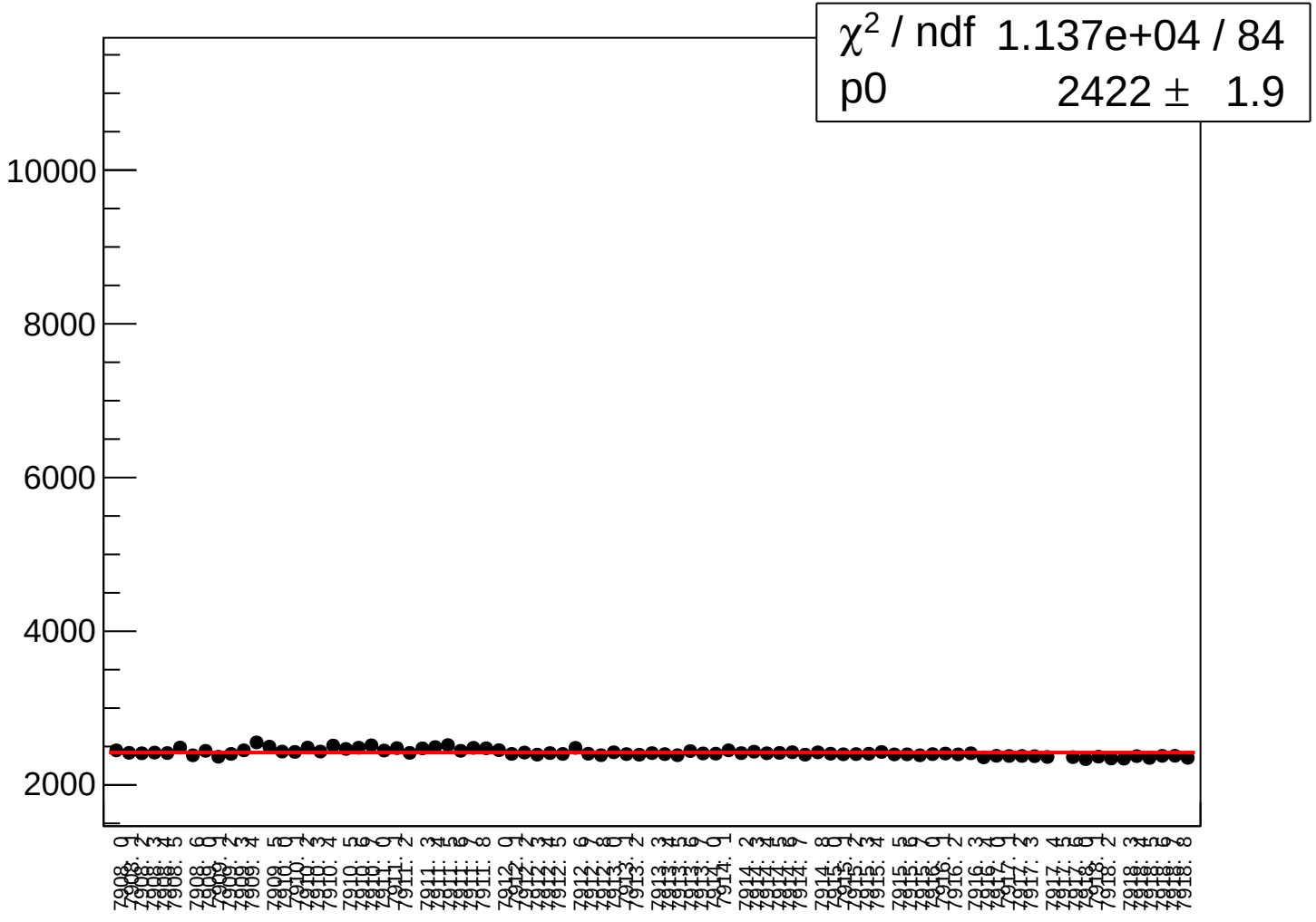
asym_atl_dd_atr_dd_dd_rms vs run

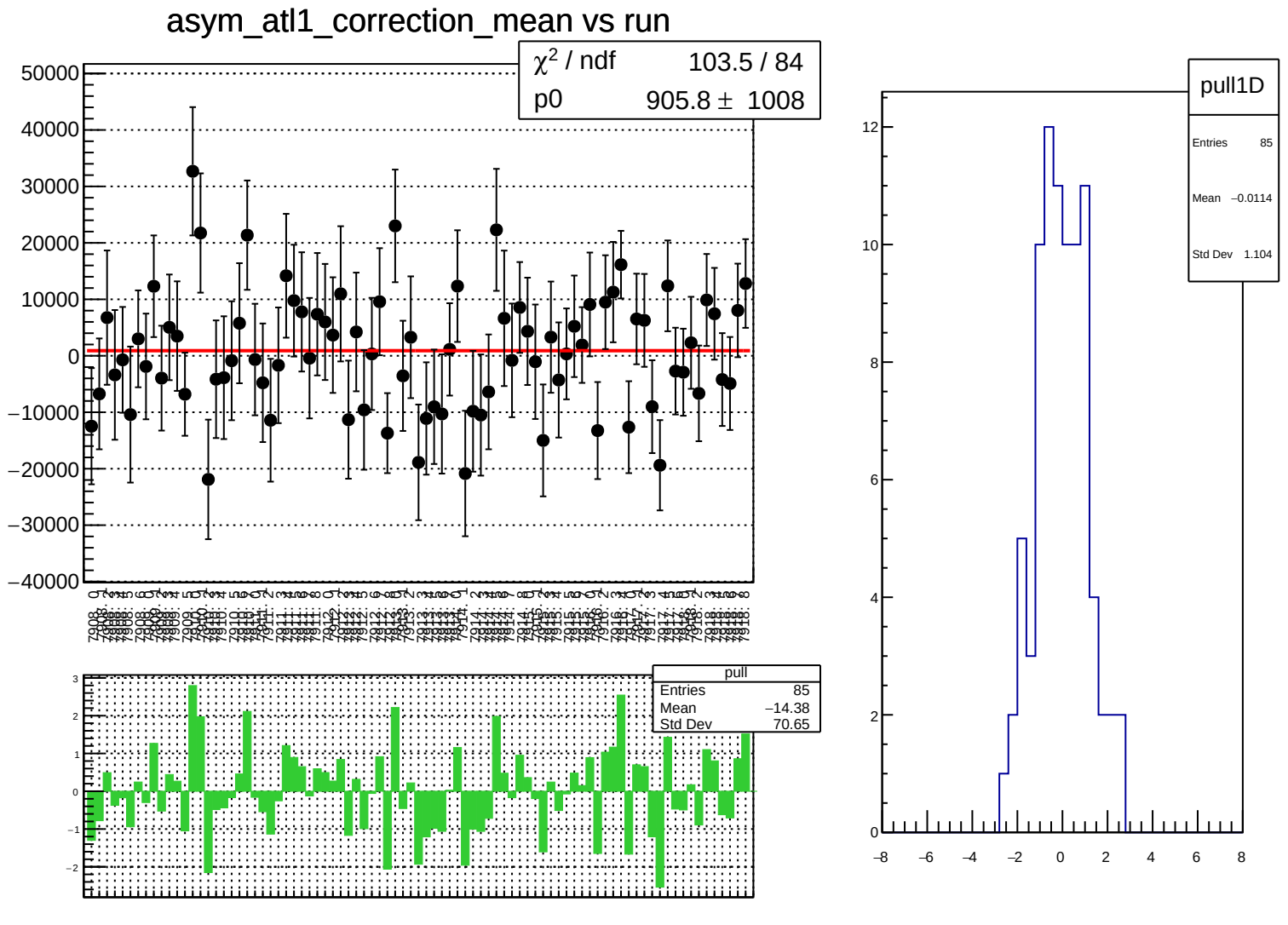



dit_asym_atl1_mean vs run
×10^3
χ² / ndf 79.67 / 84
p0 −443.4 ± 2687
pull
Entries 85
Mean −491.7
Std Dev 547.7

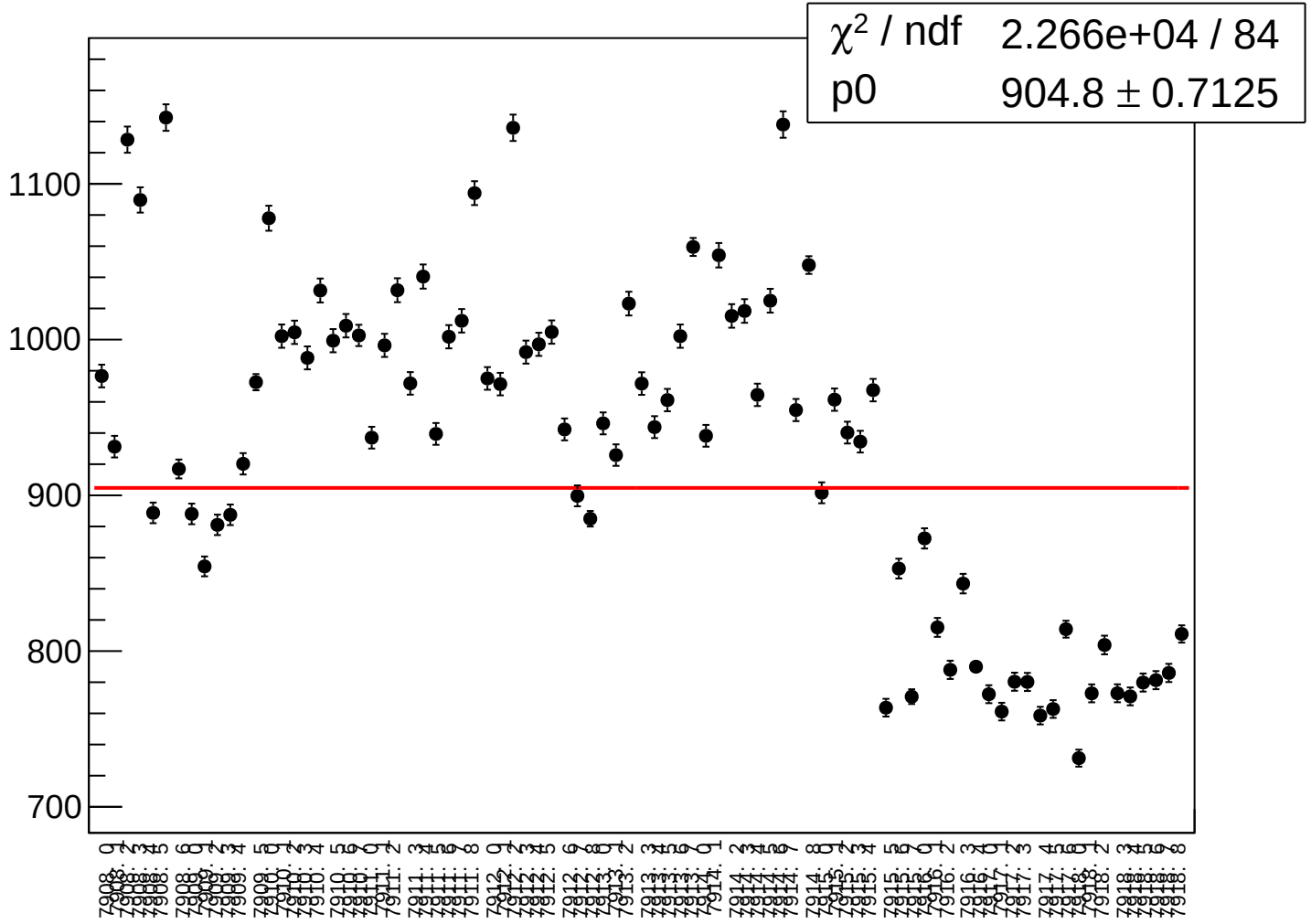

pull1D
Entries 85
Mean 0.00492
Std Dev 0.9681

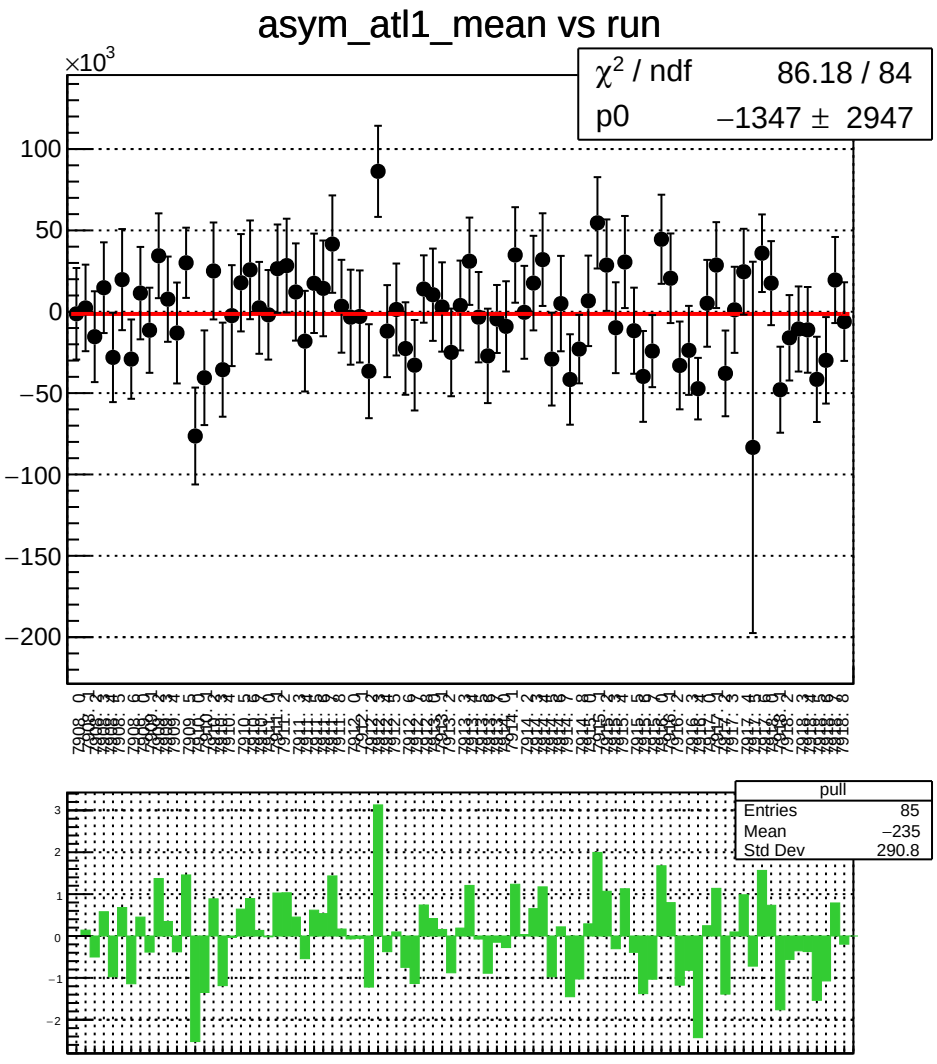
dit_asym_atl1_rms vs run

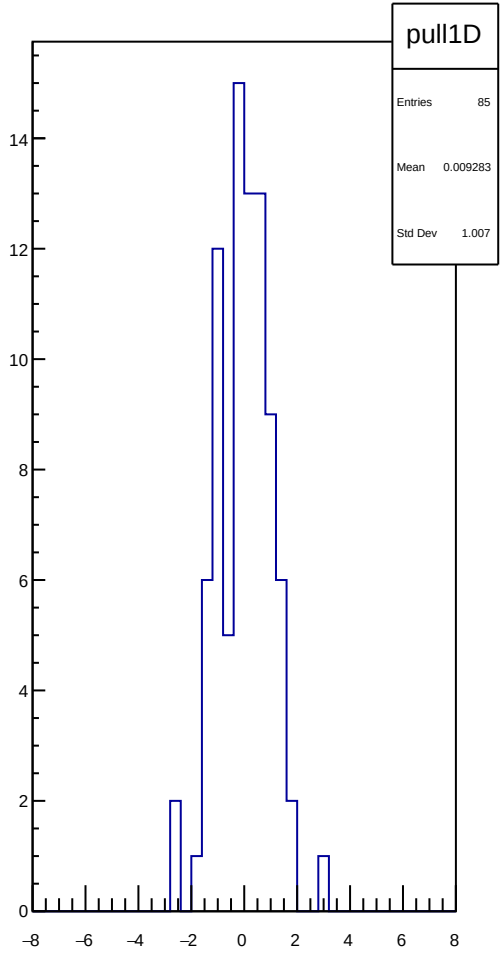



asym_atl1_correction_mean vs run
χ² / ndf 103.5 / 84
p0 905.8 ± 1008
pull
Entries 85
Mean −14.38
Std Dev 70.65
pull1D
Entries 85
Mean −0.0114
Std Dev 1.104

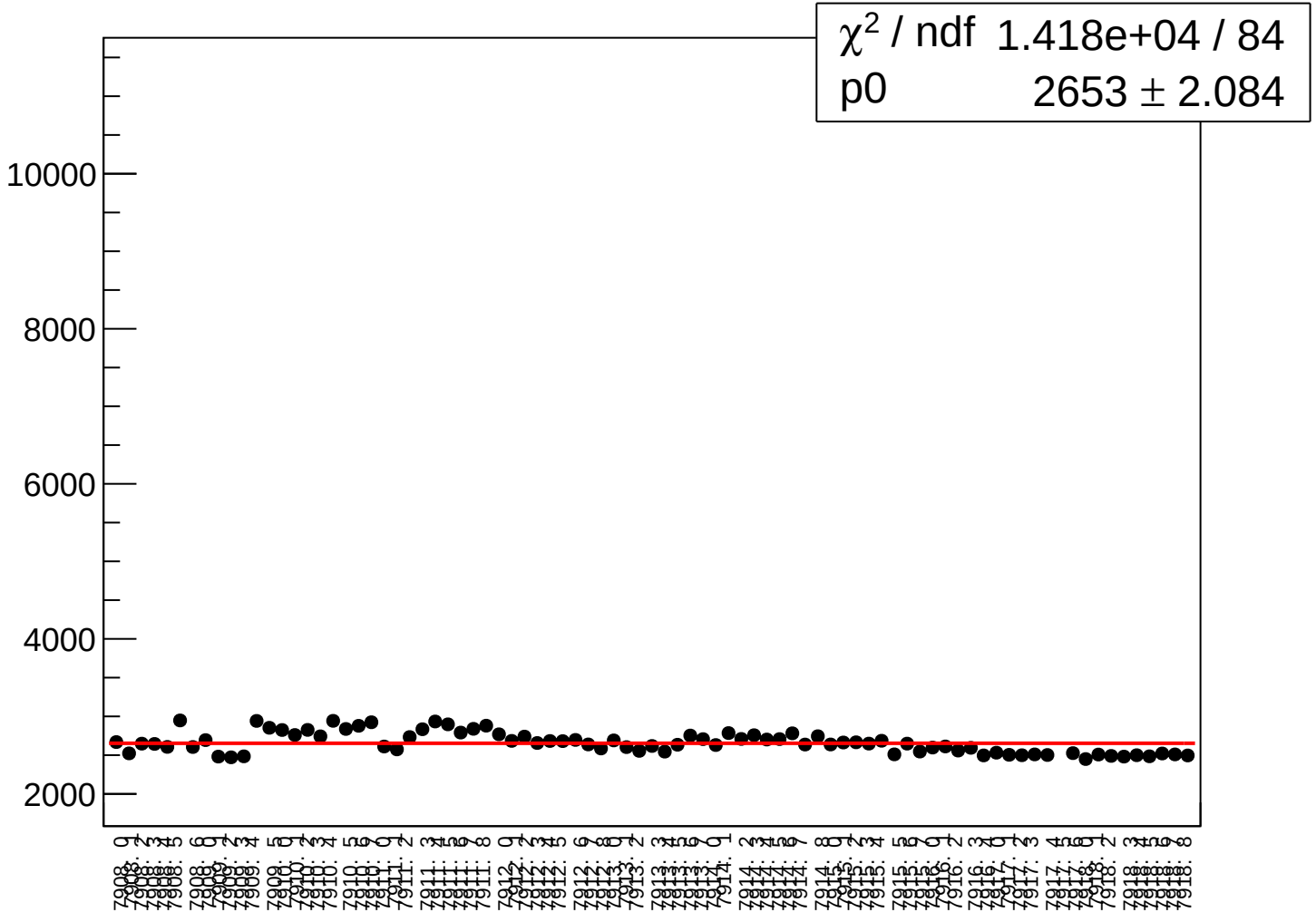
asym_atl1_correction_rms vs run

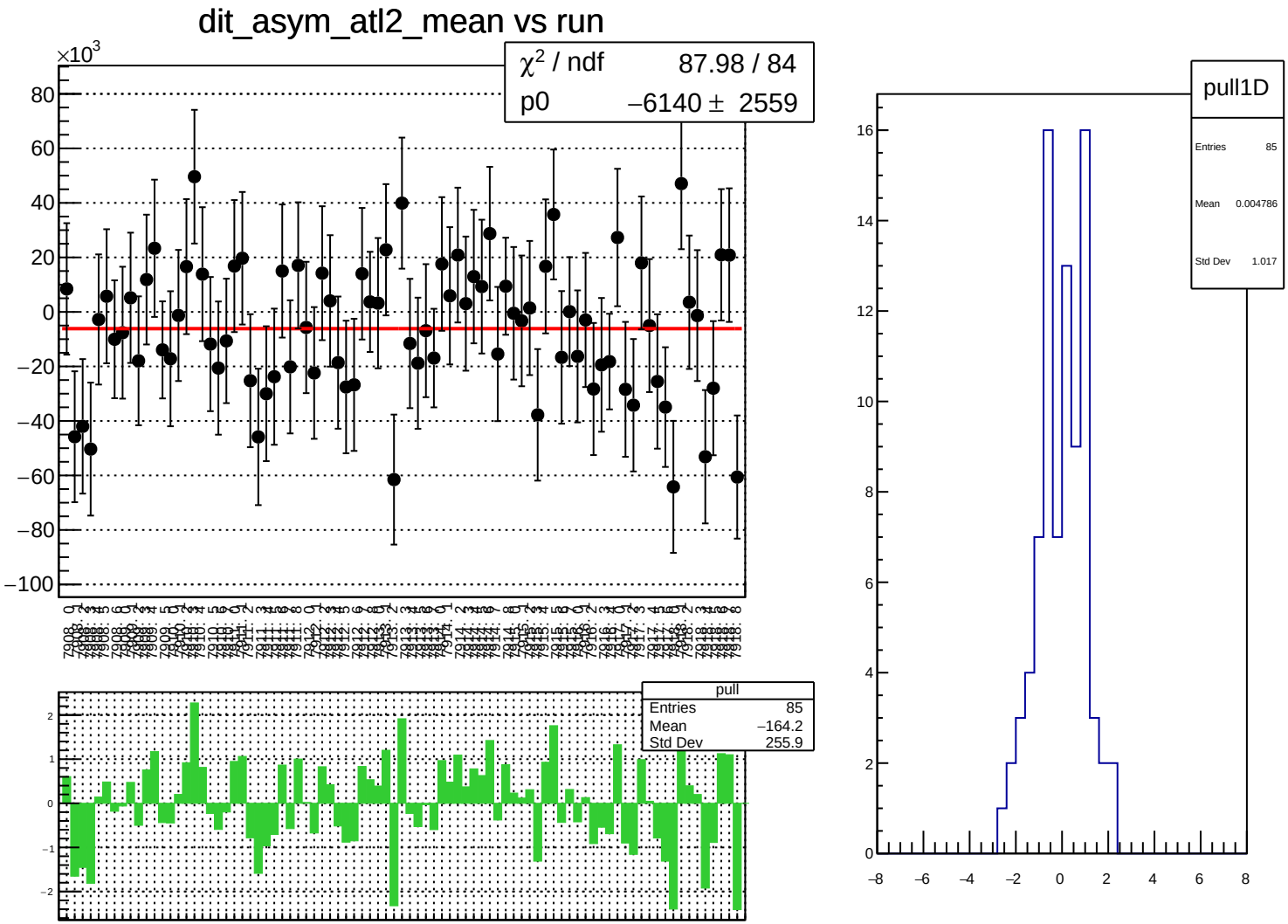


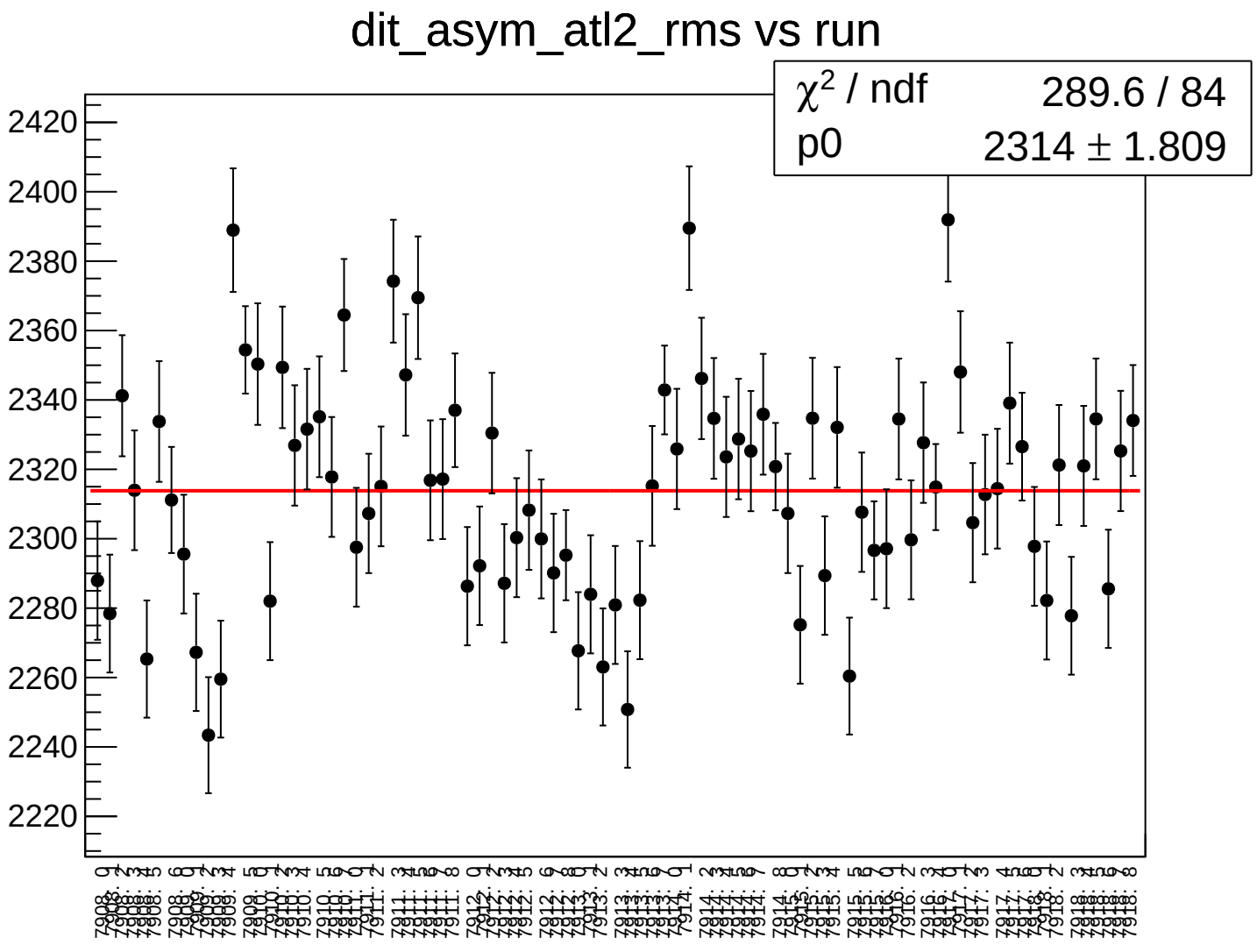

asym_atl1_mean vs run
×10^3
χ² / ndf 86.18 / 84
p0 −1347 ± 2947
pull
Entries 85
Mean −235
Std Dev 290.8

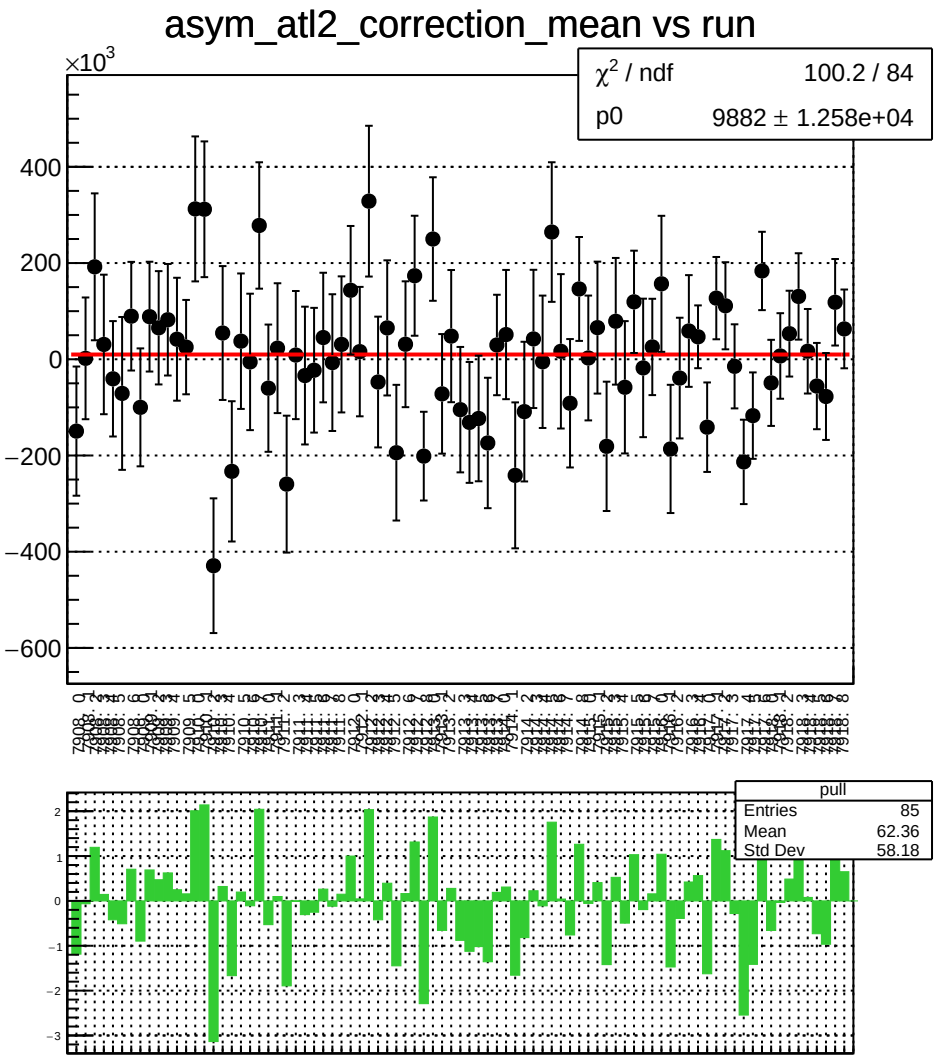

pull1D
Entries 85
Mean 0.009283
Std Dev 1.007

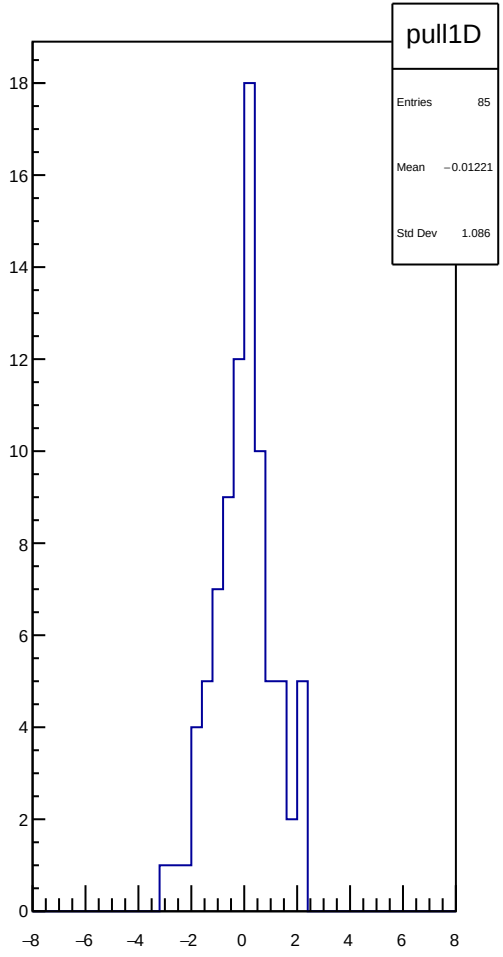
asym_atl1_rms vs run



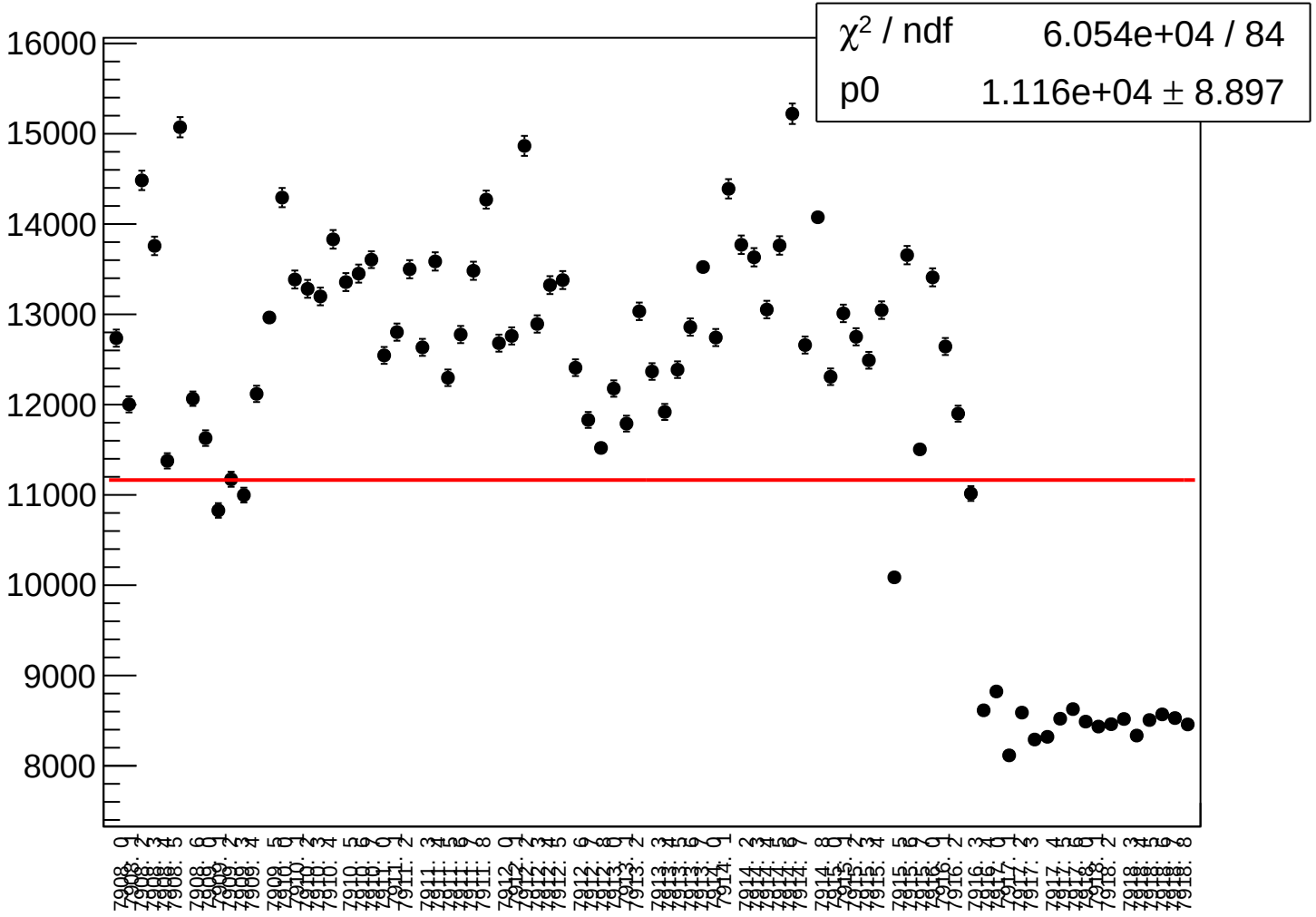

dit_asym_atl2_mean vs run
χ^2 / ndf 87.98 / 84
p0 −6140 ± 2559
×10^3
pull
Entries 85
Mean −164.2
Std Dev 255.9
pull1D
Entries 85
Mean 0.004786
Std Dev 1.017

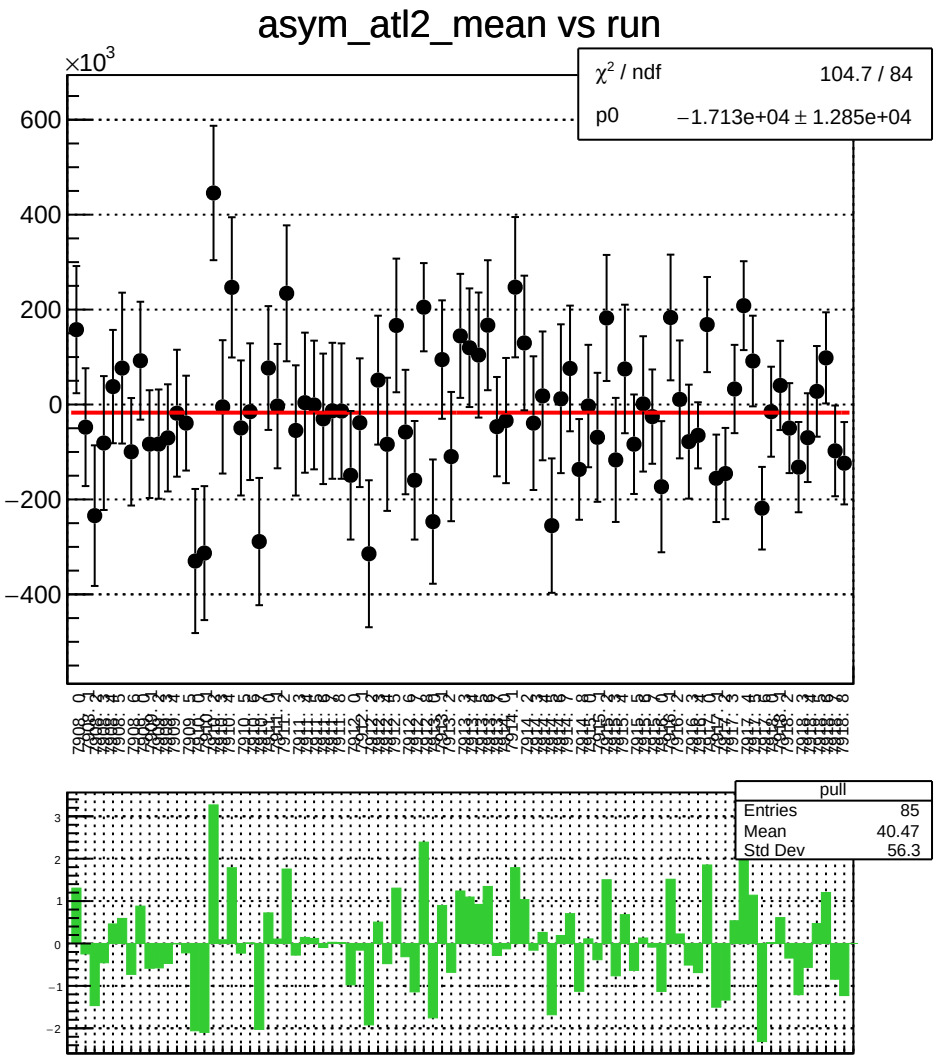

dit_asym_atl2_rms vs run
χ² / ndf 289.6 / 84
p0 2314 ± 1.809
2420
2400
2380
2360
2340
2320
2300
2280
2260
2240
2220

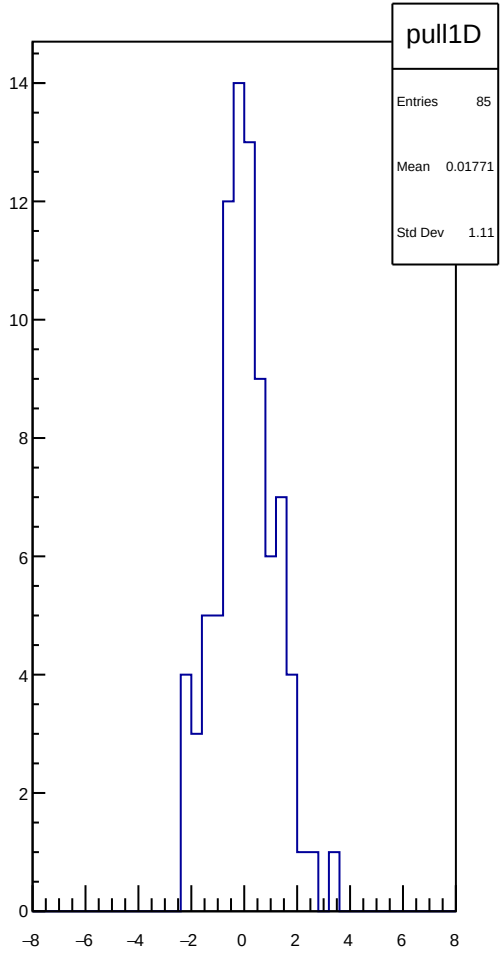

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 100.2 / 84
p0 9882 ± 1.258e+04
400
200
0
−200
−400
−600
pull
Entries 85
Mean 62.36
Std Dev 58.18
2
1
0
−1
−2
−3


pull1D
Entries 85
Mean −0.01221
Std Dev 1.086
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

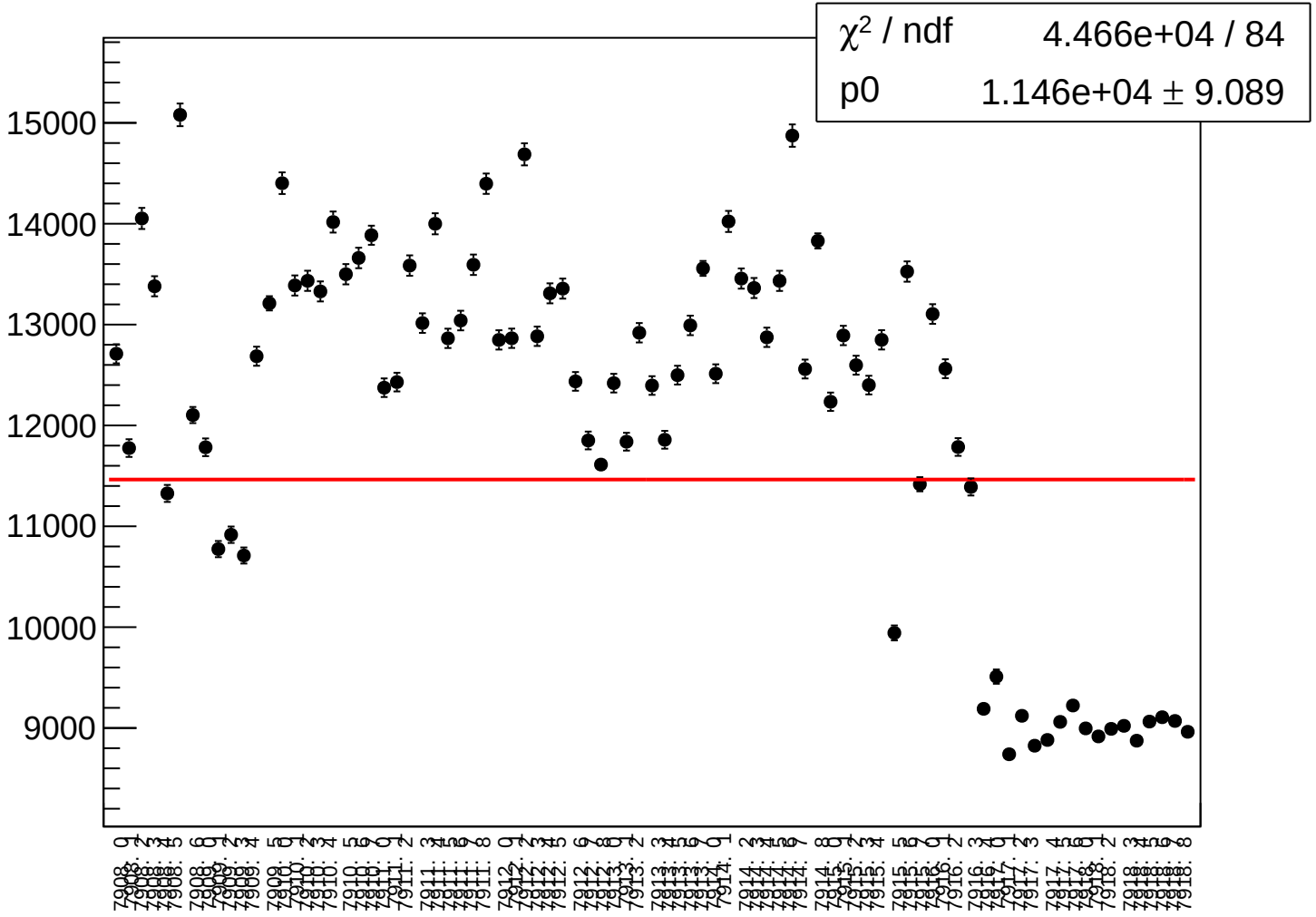
asym_atl2_correction_rms vs run

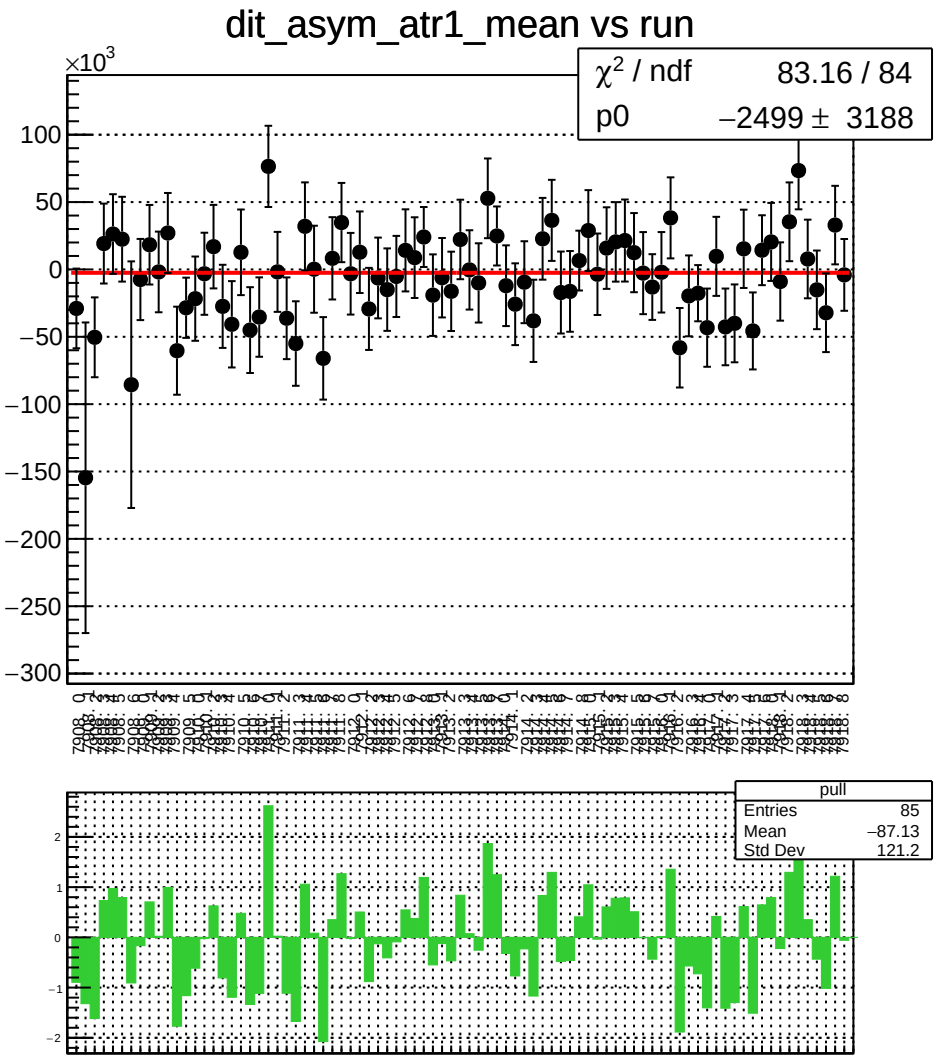


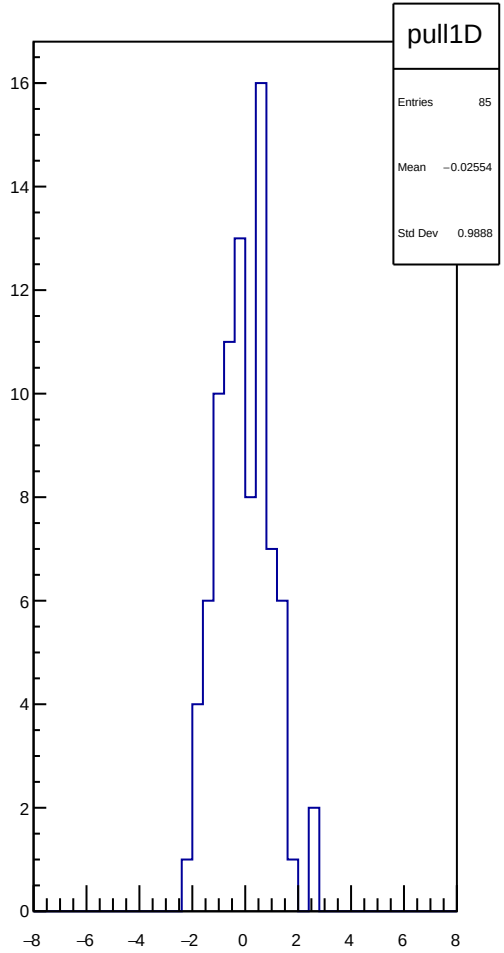

asym_atl2_mean vs run
×10^3
χ² / ndf 104.7 / 84
p0 −1.713e+04 ± 1.285e+04
600
400
200
0
−200
−400
pull
Entries 85
Mean 40.47
Std Dev 56.3
3
2
1
0
−1
−2

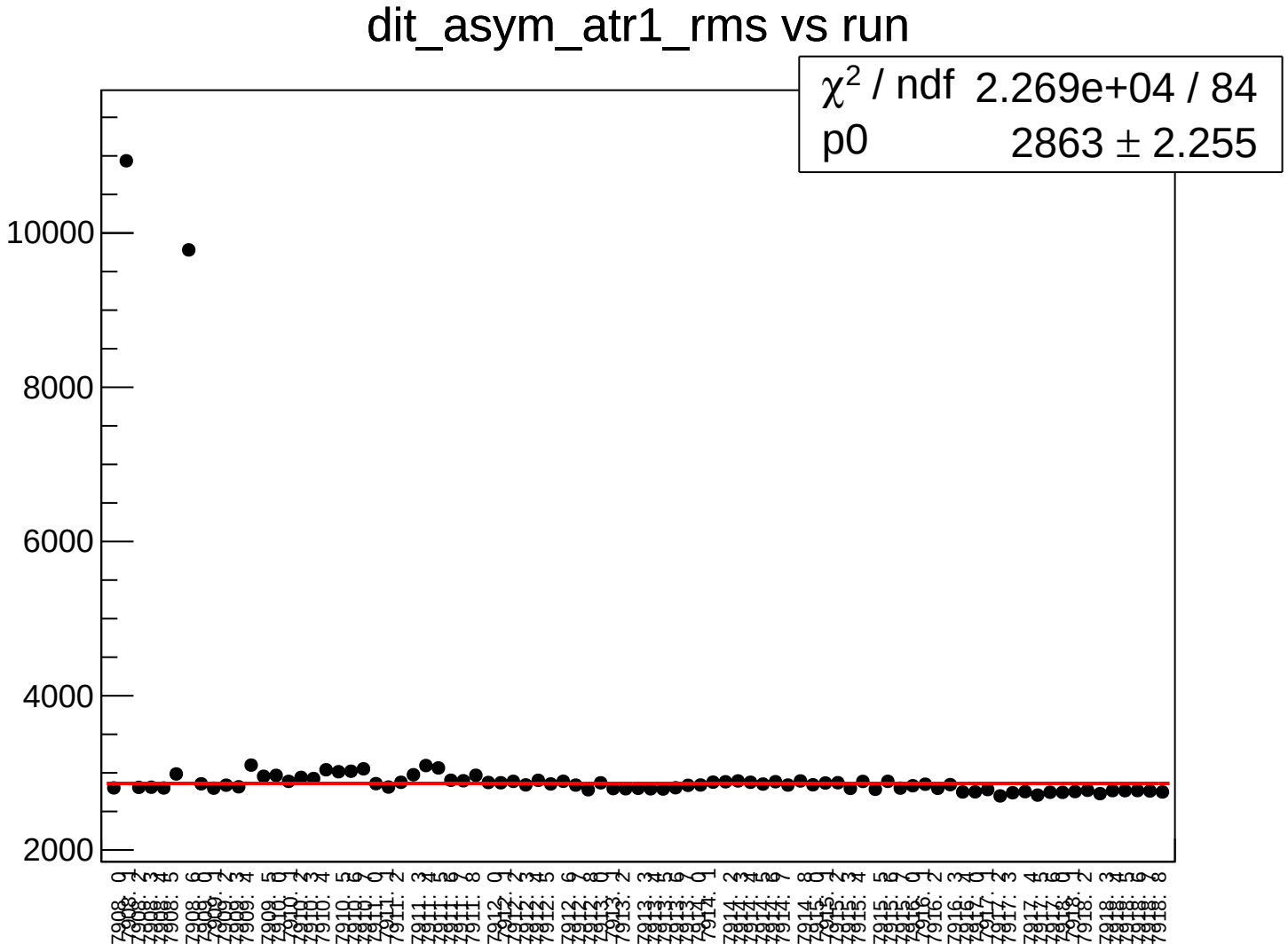

pull1D
Entries 85
Mean 0.01771
Std Dev 1.11
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

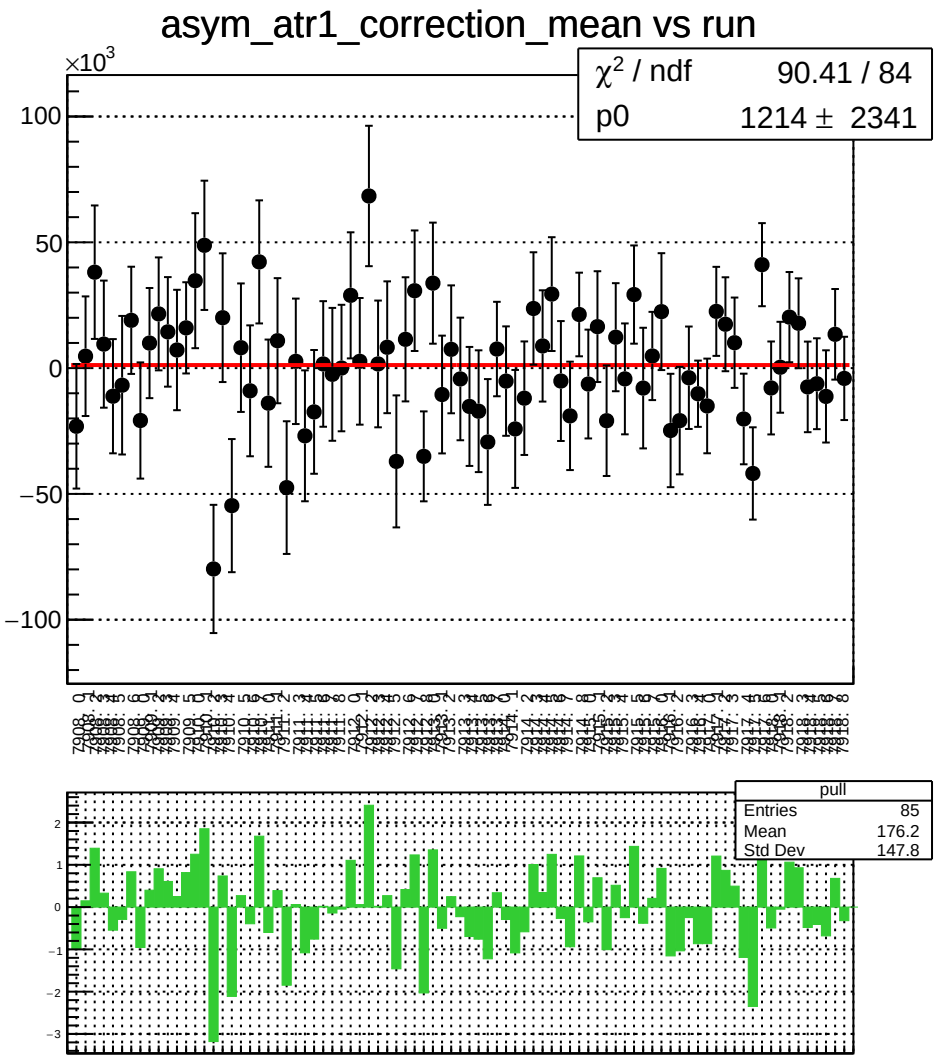
asym_atl2_rms vs run

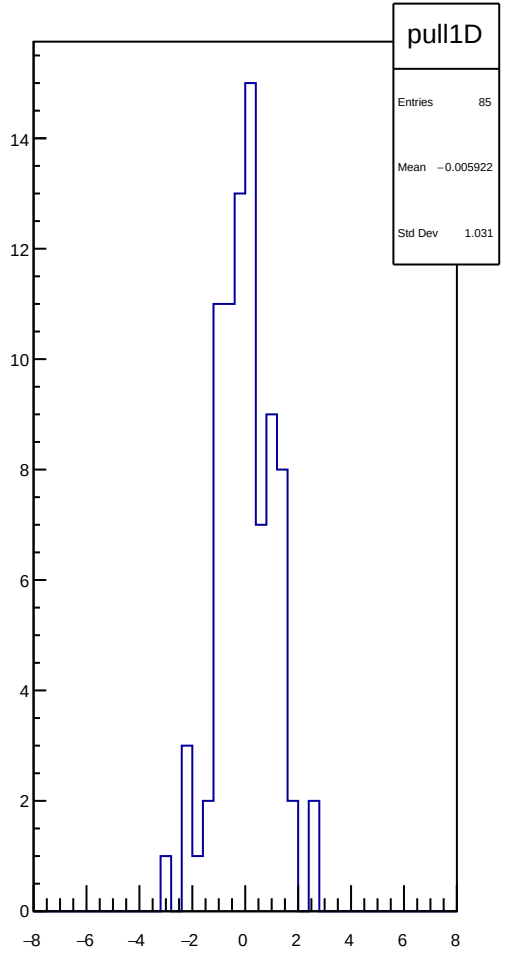


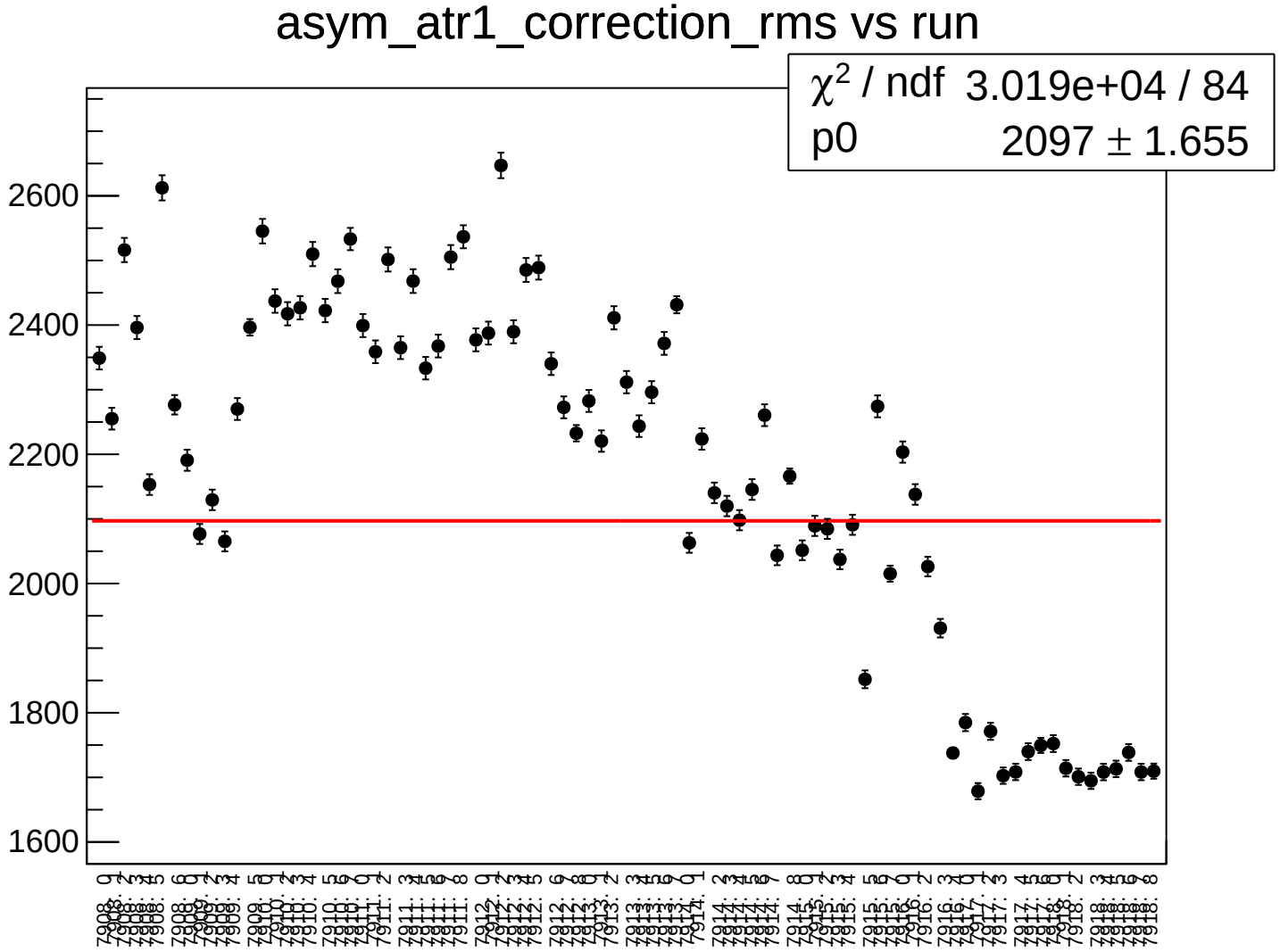

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 83.16 / 84
p0 −2499 ± 3188
pull
Entries 85
Mean −87.13
Std Dev 121.2

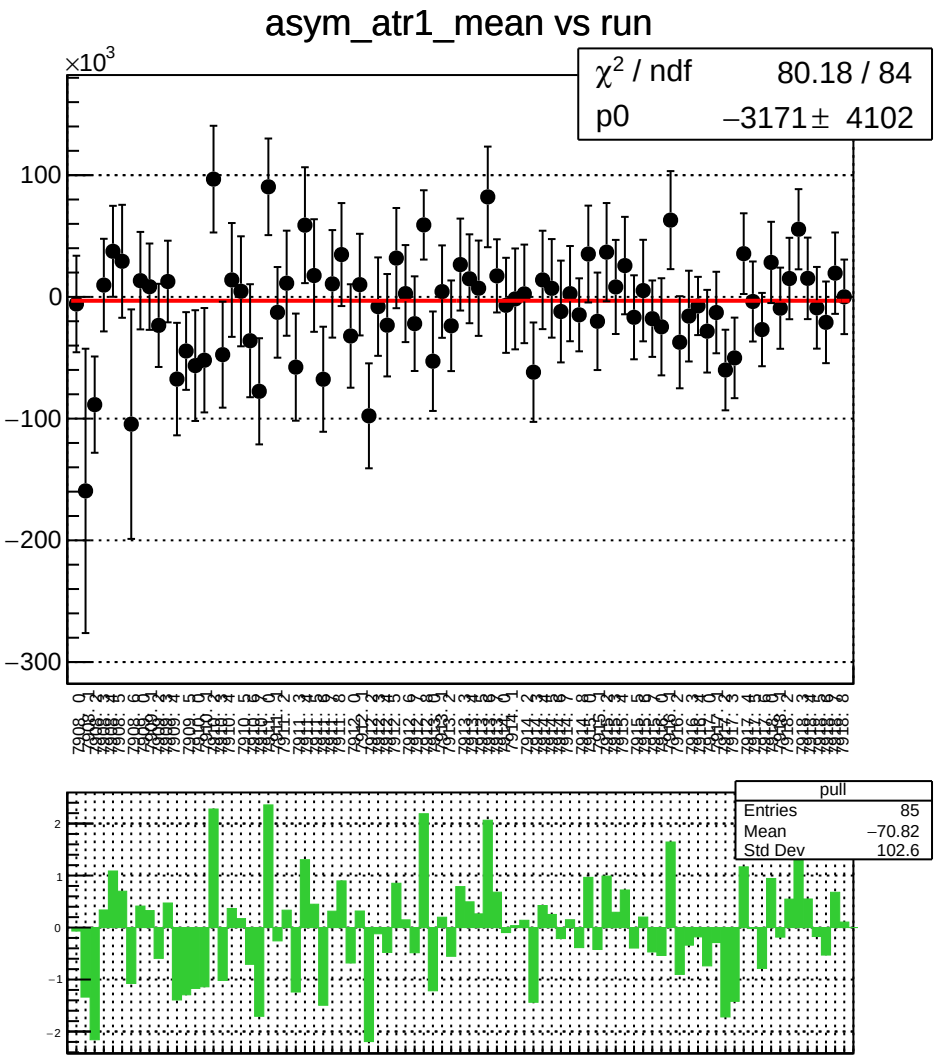

pull1D
Entries 85
Mean −0.02554
Std Dev 0.9888

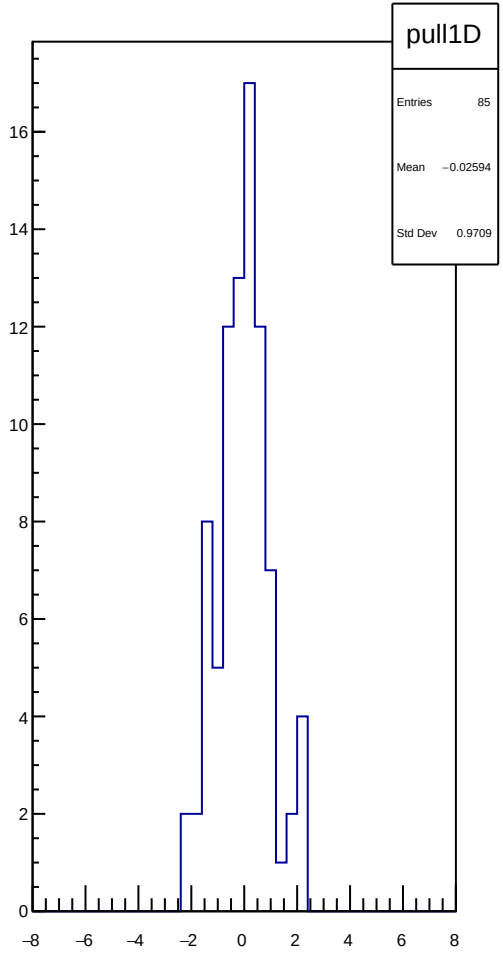

dit_asym_atr1_rms vs run
χ2 / ndf 2.269e+04 / 84
p0 2863 ± 2.255
10000
8000
6000
4000
2000


asym_atr1_correction_mean vs run
×10^3
χ^2 / ndf 90.41 / 84
p0 1214 ± 2341
100
50
0
−50
−100
pull
Entries 85
Mean 176.2
Std Dev 147.8
2
1
0
−1
−2
−3

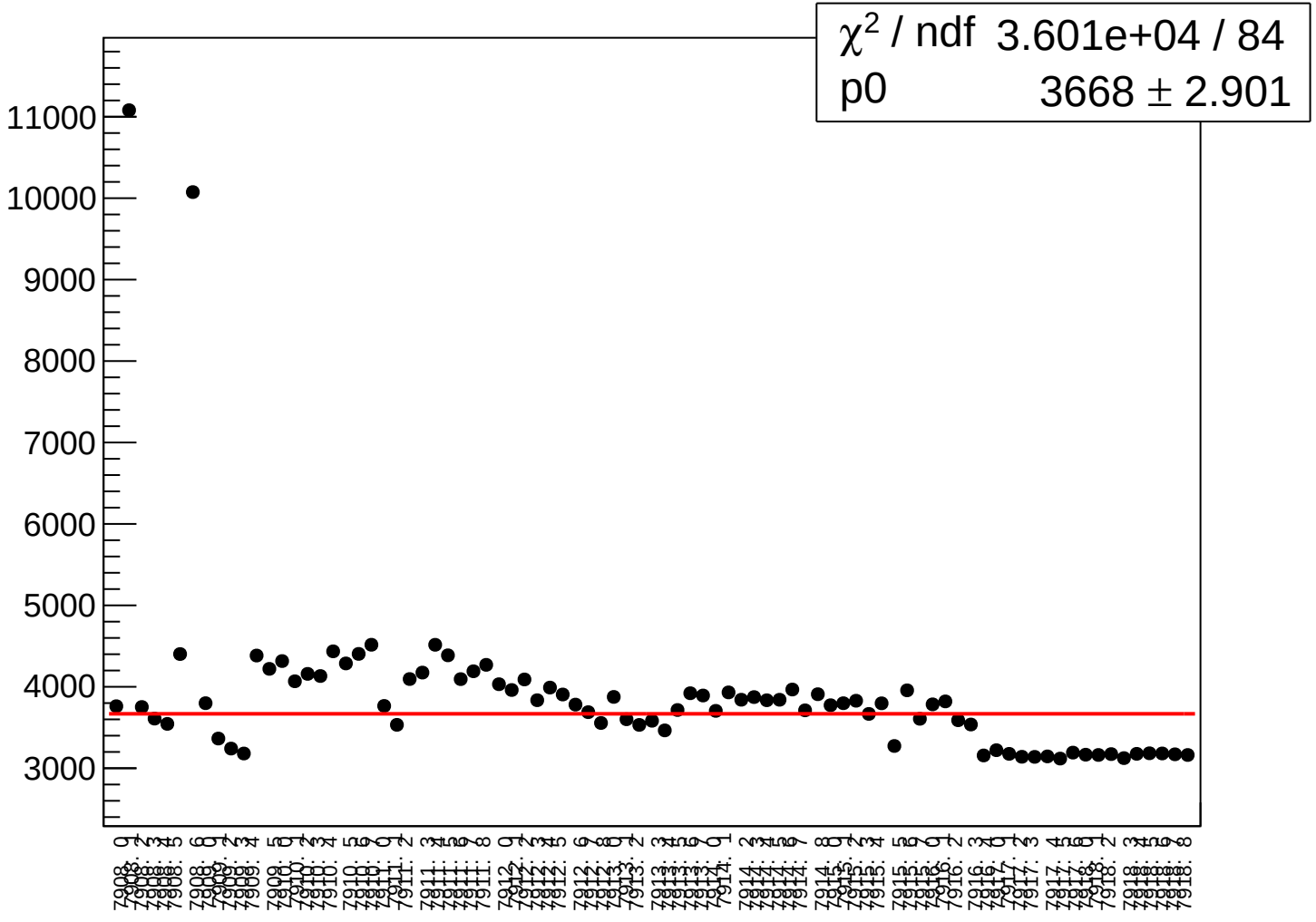

pull1D
Entries 85
Mean −0.005922
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

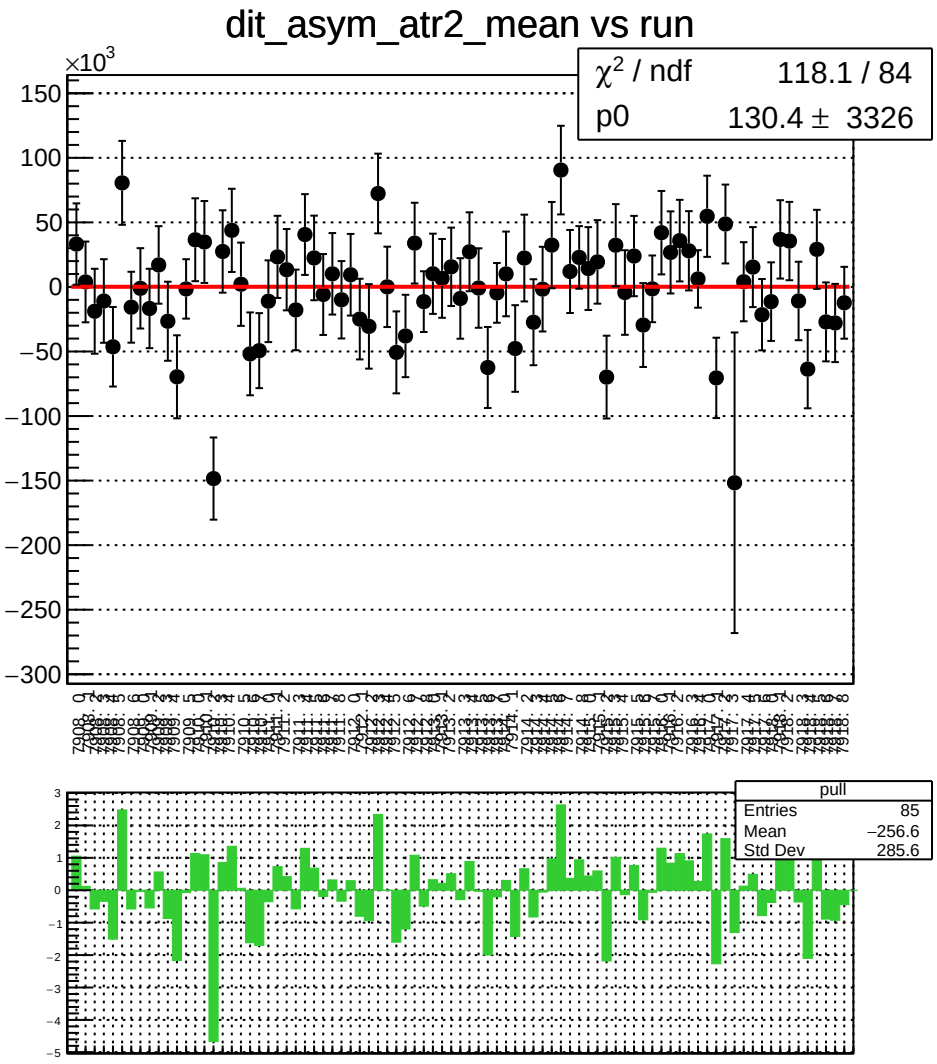

asym_atr1_correction_rms vs run
χ2 / ndf 3.019e+04 / 84
p0 2097 ± 1.655
2600
2400
2200
2000
1800
1600

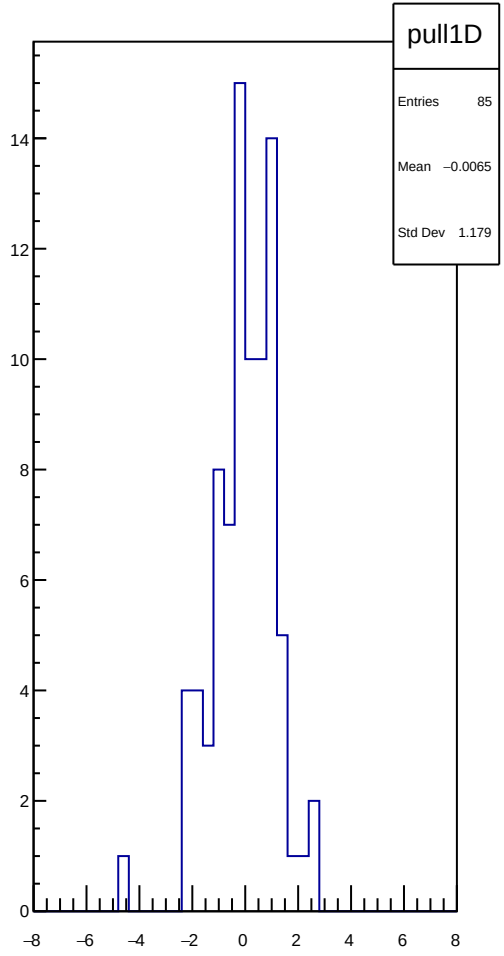

asym_atr1_mean vs run
×10^3
χ² / ndf 80.18 / 84
p0 −3171 ± 4102
100
0
−100
−200
−300
pull
Entries 85
Mean −70.82
Std Dev 102.6
2
1
0
−1
−2


pull1D
Entries 85
Mean −0.02594
Std Dev 0.9709
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

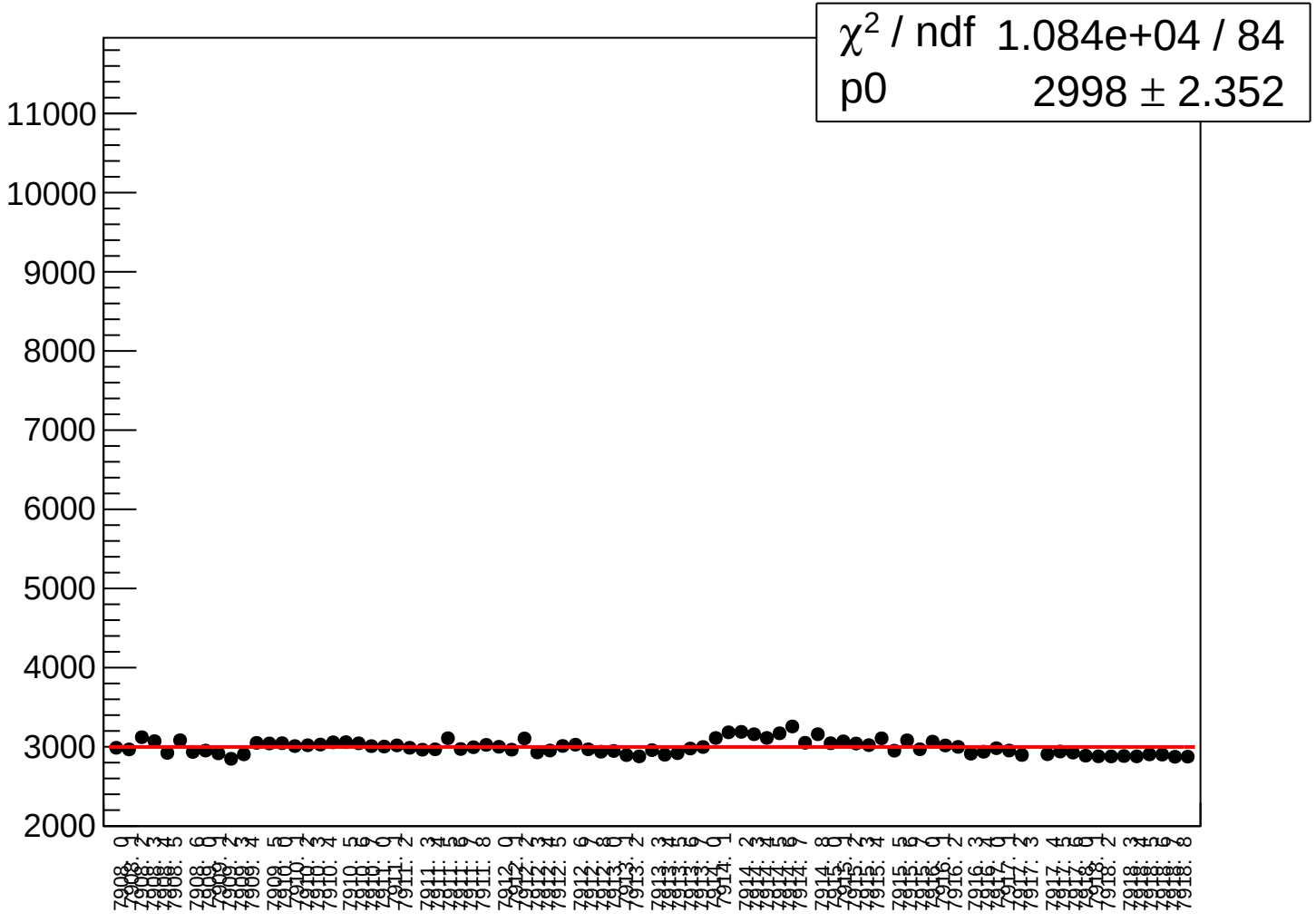
asym_atr1_rms vs run

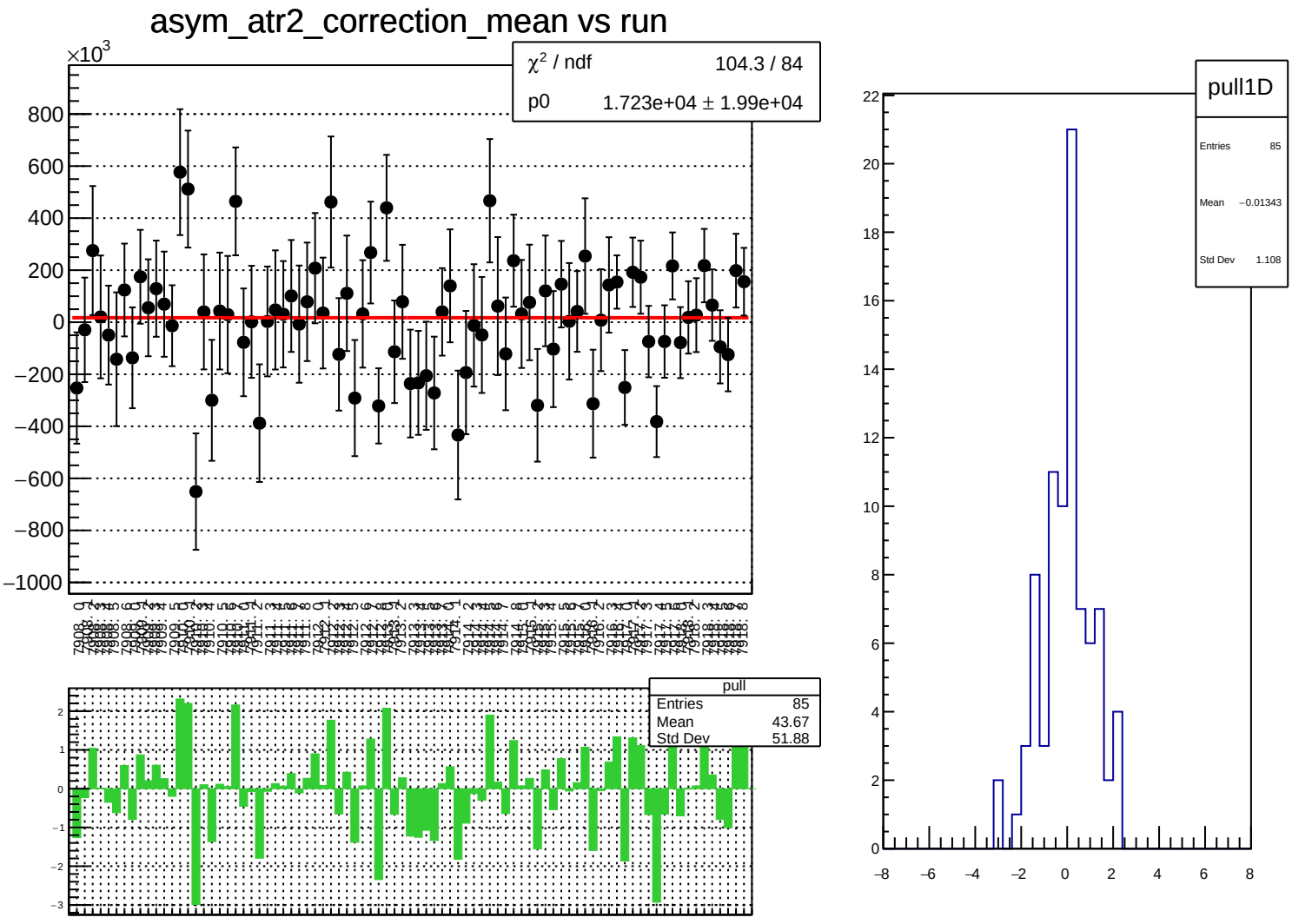



dit_asym_atr2_mean vs run
×10^3
χ² / ndf 118.1 / 84
p0 130.4 ± 3326
pull
Entries 85
Mean −256.6
Std Dev 285.6

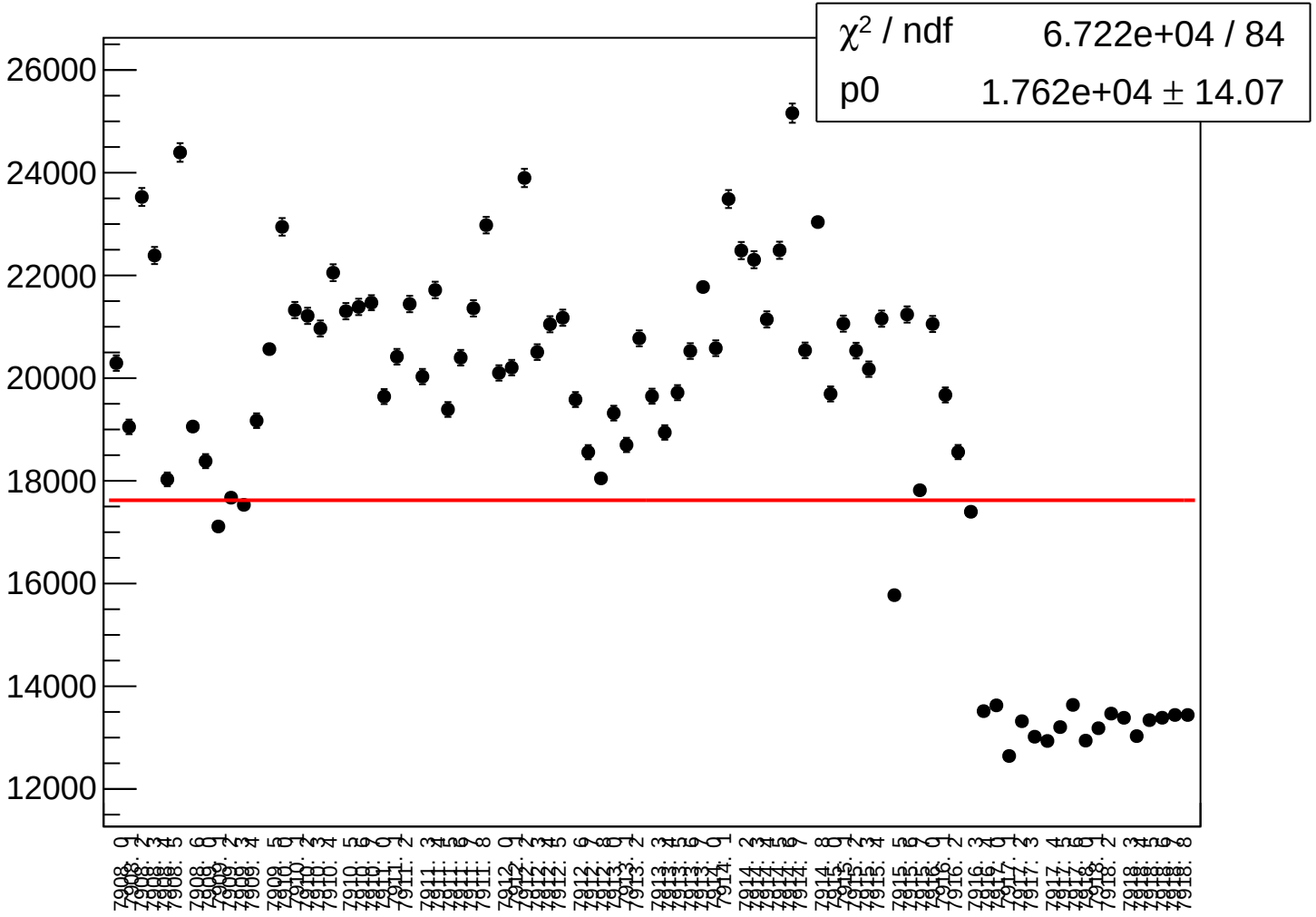

pull1D
Entries 85
Mean −0.0065
Std Dev 1.179

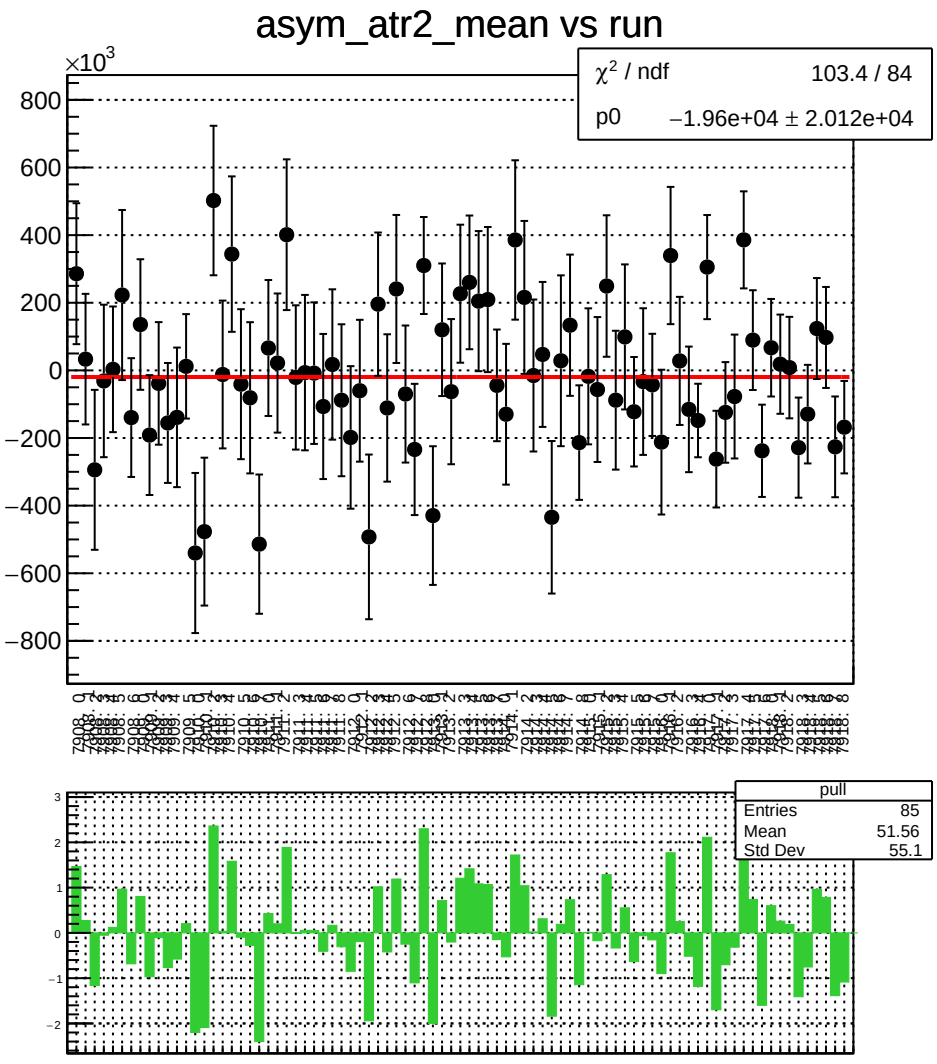
dit_asym_atr2_rms vs run

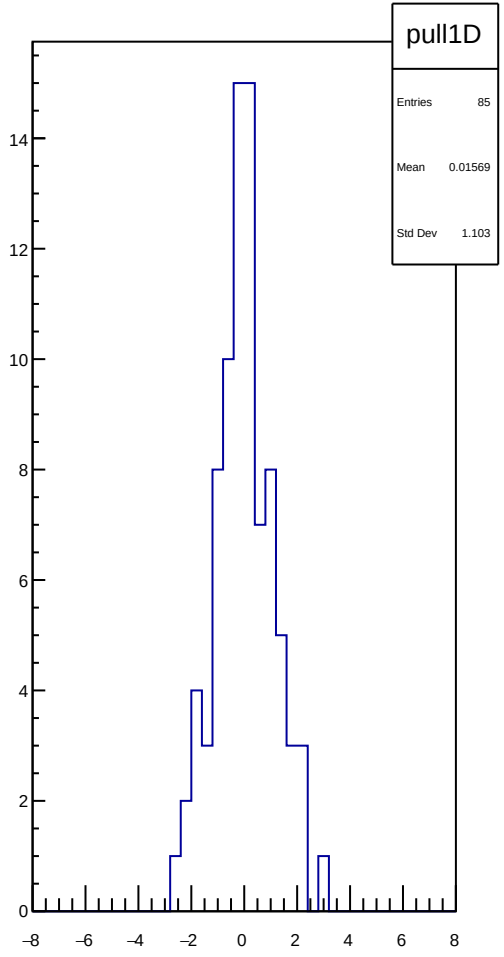


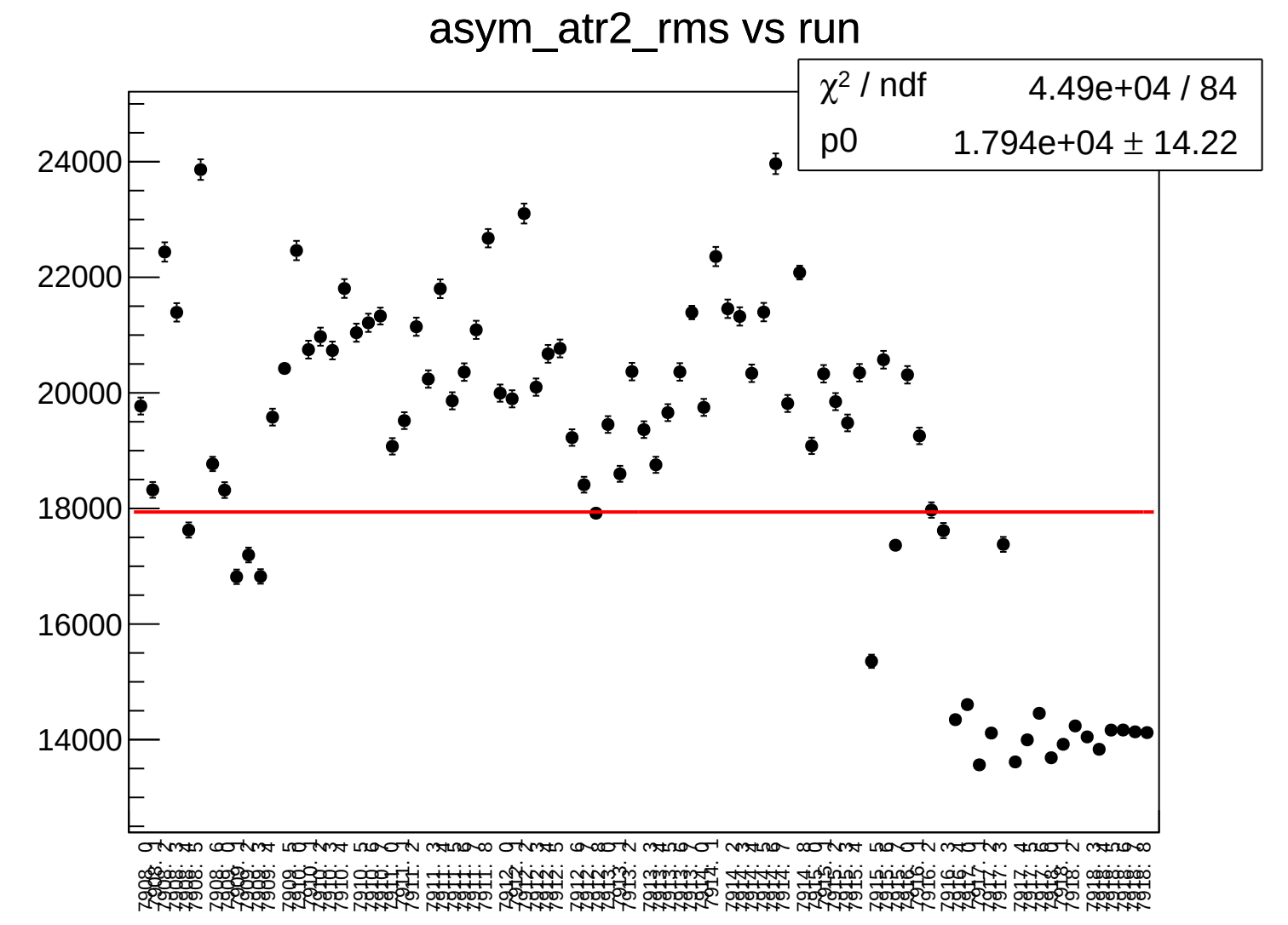

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 104.3 / 84
p0 1.723e+04 ± 1.99e+04
pull
Entries 85
Mean 43.67
Std Dev 51.88
pull1D
Entries 85
Mean −0.01343
Std Dev 1.108

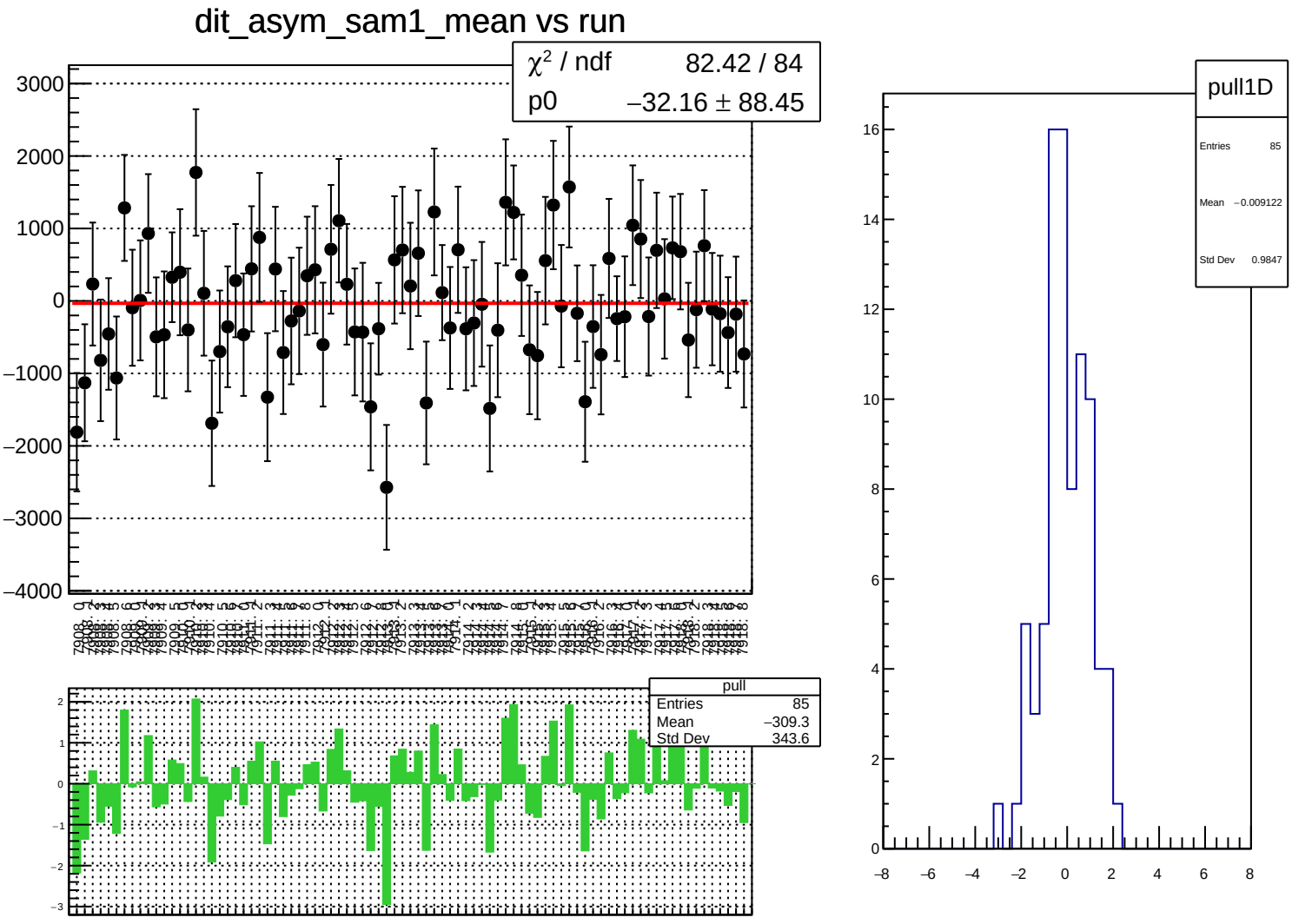
asym_atr2_correction_rms vs run



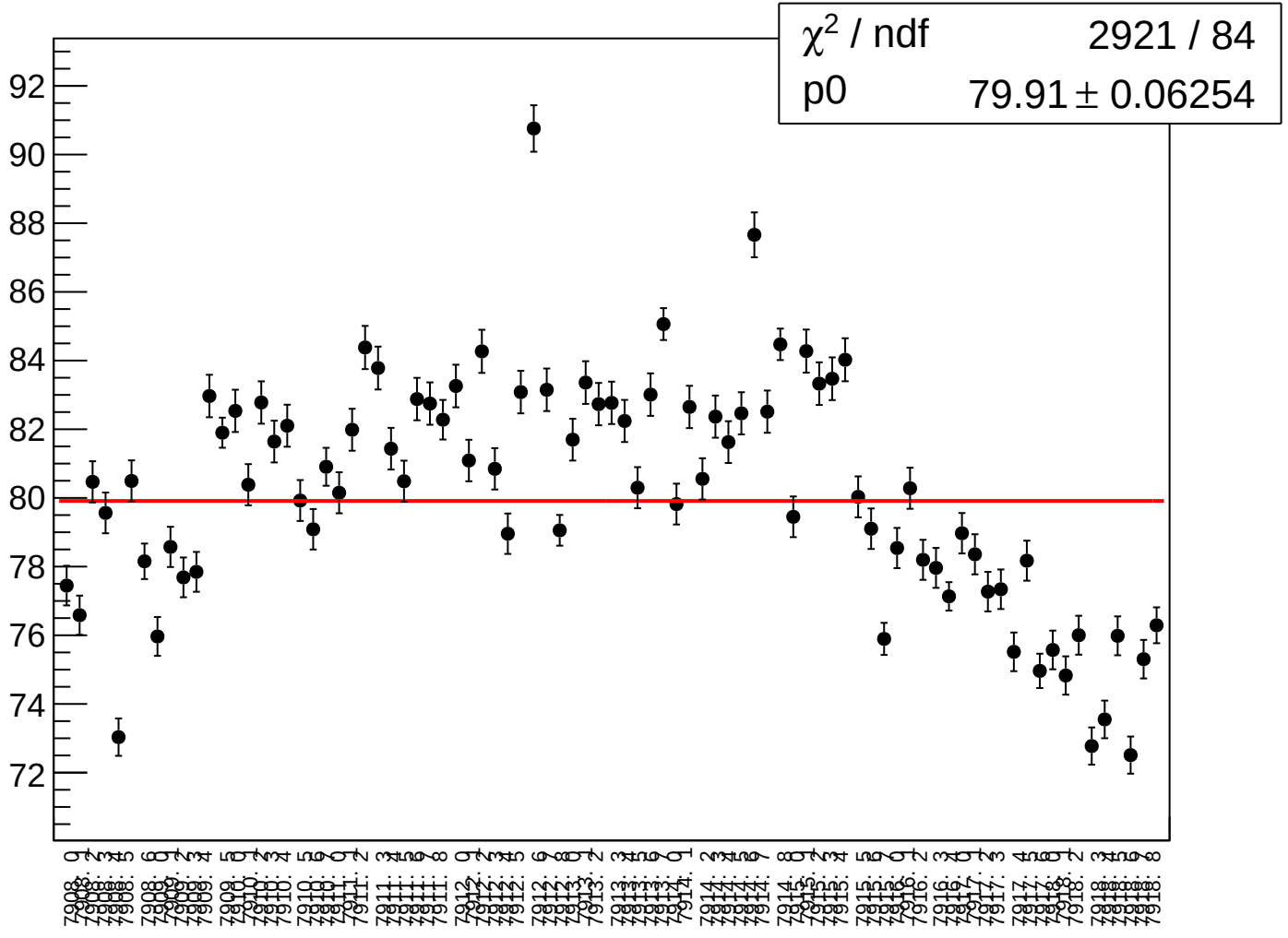

asym_atr2_mean vs run
×10^3
χ² / ndf 103.4 / 84
p0 −1.96e+04 ± 2.012e+04
pull
Entries 85
Mean 51.56
Std Dev 55.1

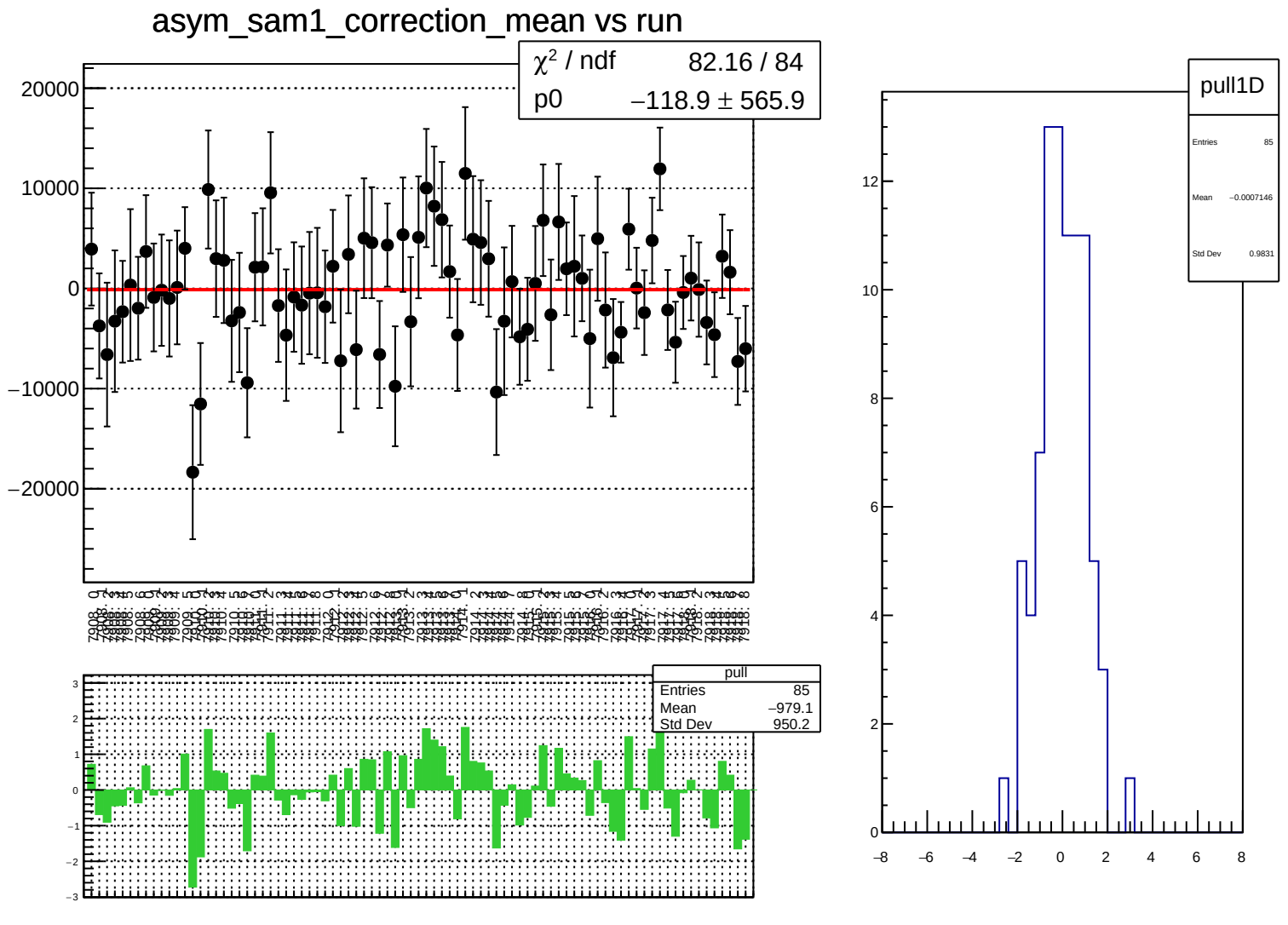

pull1D
Entries 85
Mean 0.01569
Std Dev 1.103


asym_atr2_rms vs run
χ2 / ndf 4.49e+04 / 84
p0 1.794e+04 ± 14.22
24000
22000
20000
18000
16000
14000

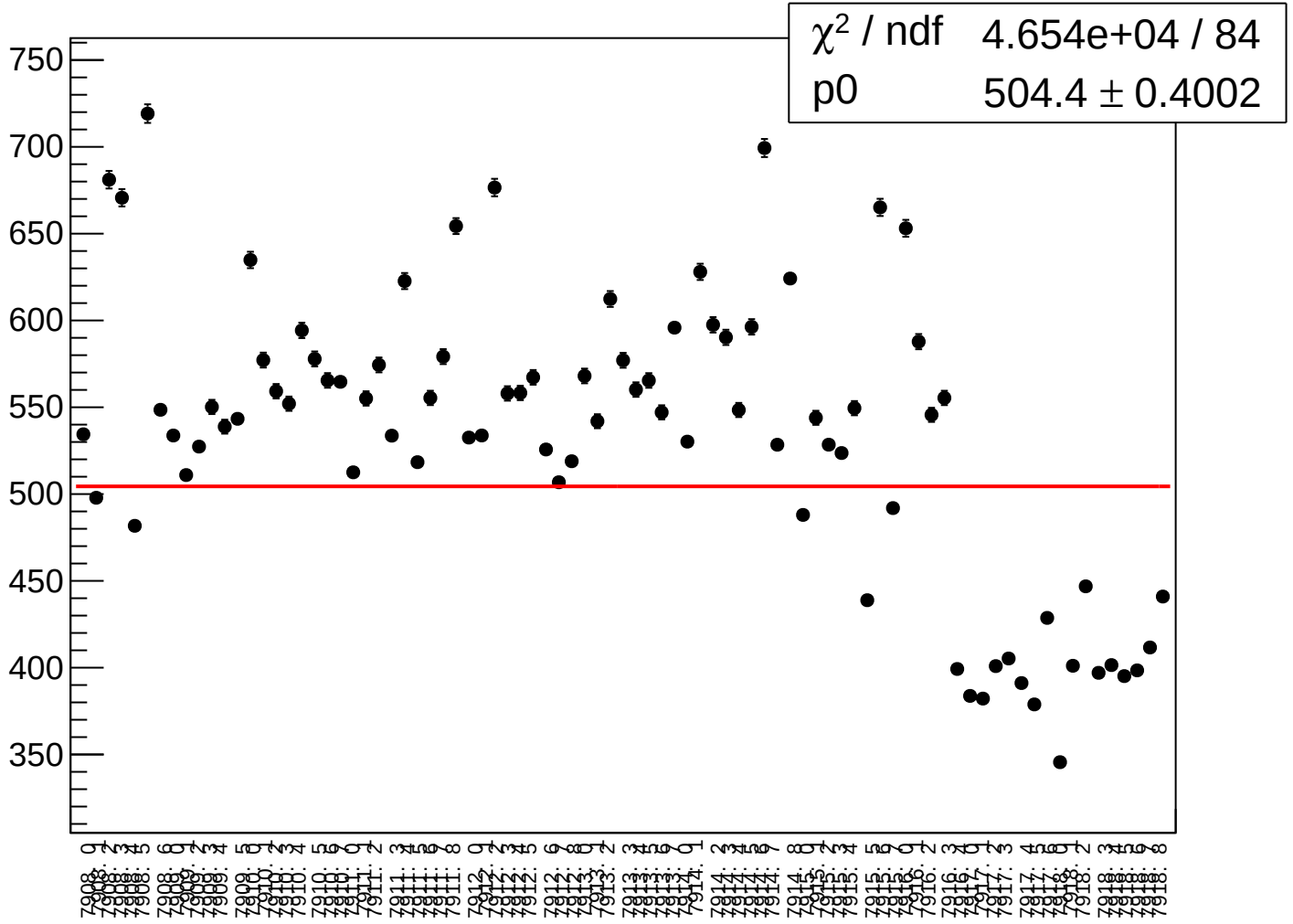

dit_asym_sam1_mean vs run
χ² / ndf 82.42 / 84
p0 −32.16 ± 88.45
pull
Entries 85
Mean −309.3
Std Dev 343.6
pull1D
Entries 85
Mean −0.009122
Std Dev 0.9847

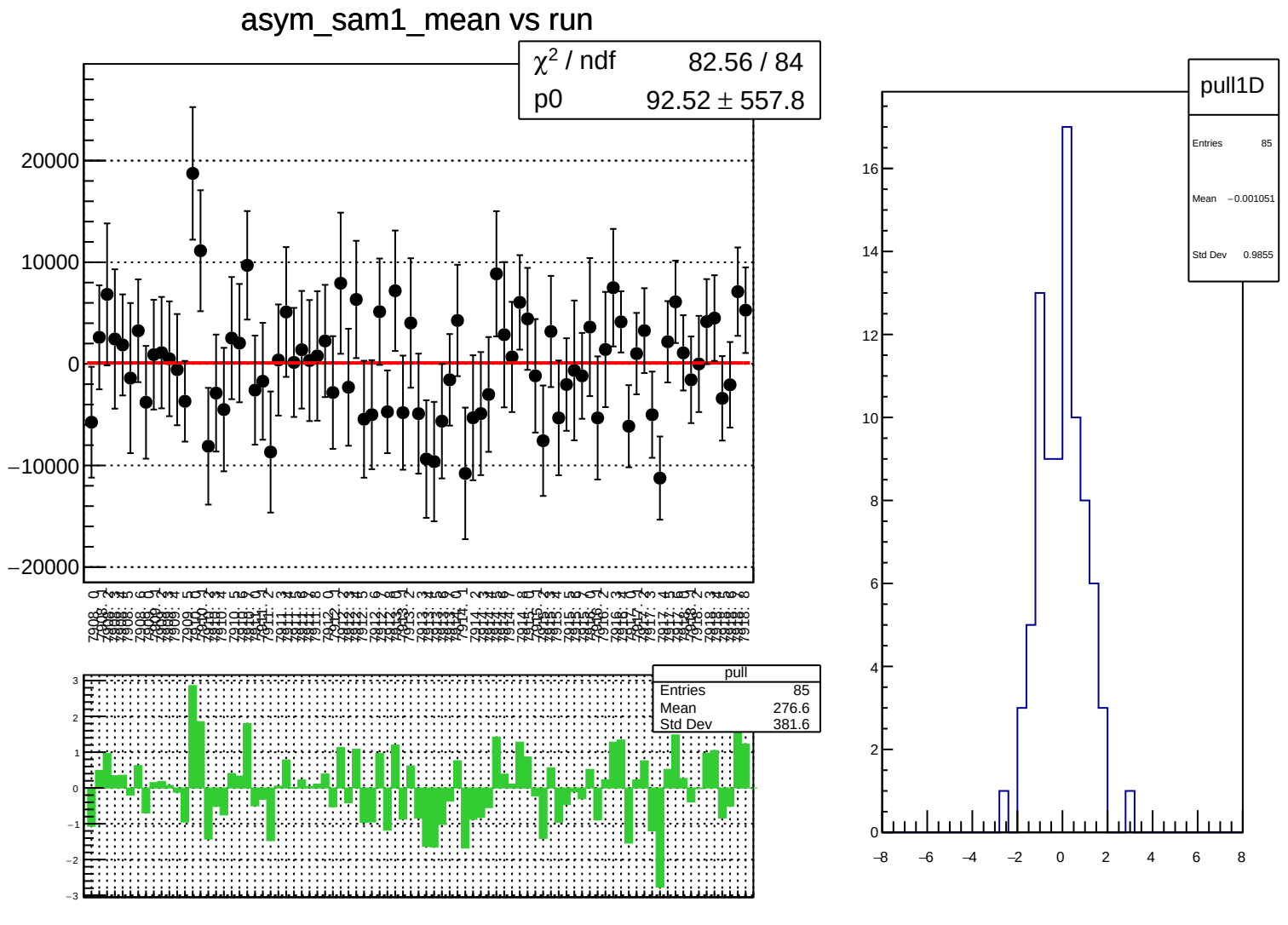
dit_asym_sam1_rms vs run

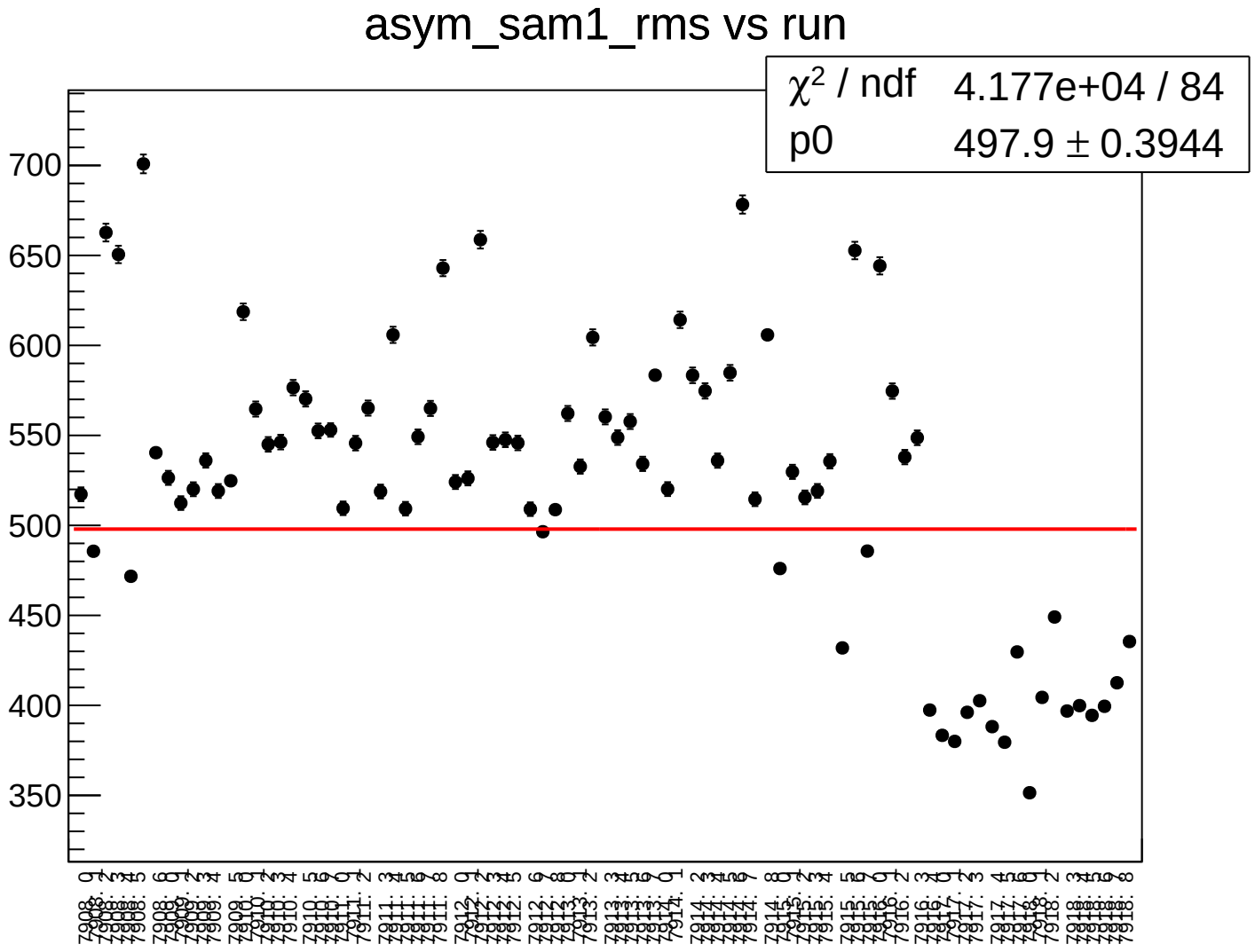


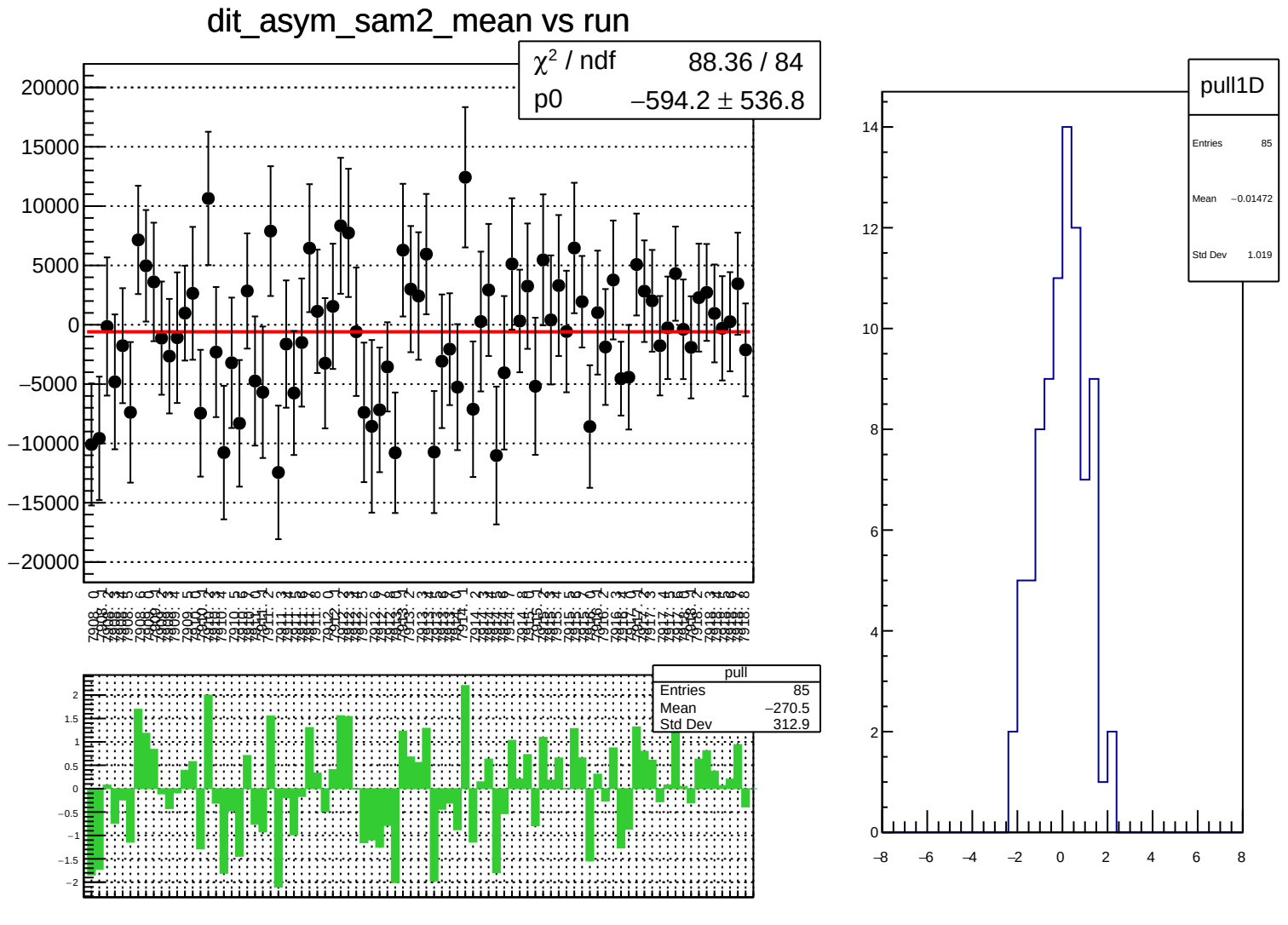

asym_sam1_correction_mean vs run
χ² / ndf 82.16 / 84
p0 −118.9 ± 565.9
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −979.1
Std Dev 950.2
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.0007146
Std Dev 0.9831
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

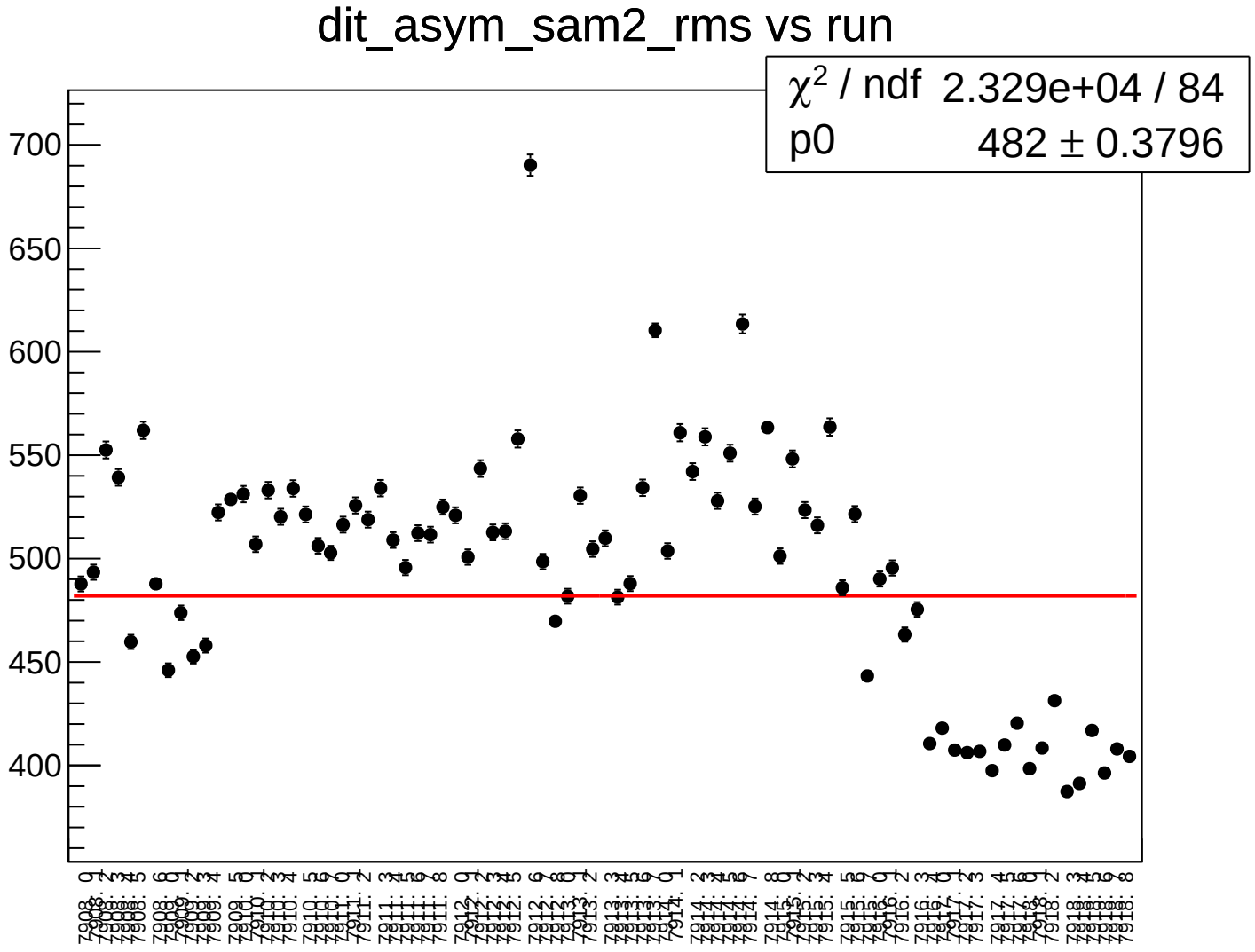
asym_sam1_correction_rms vs run

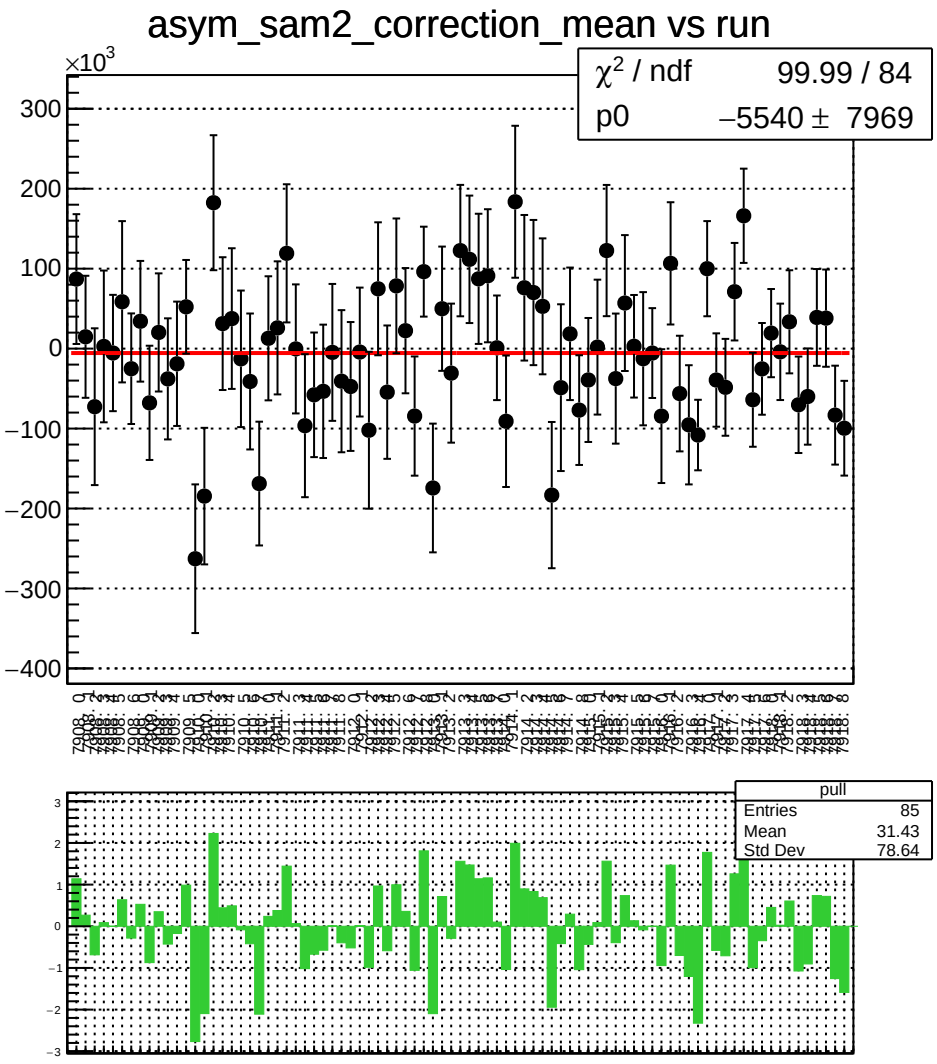


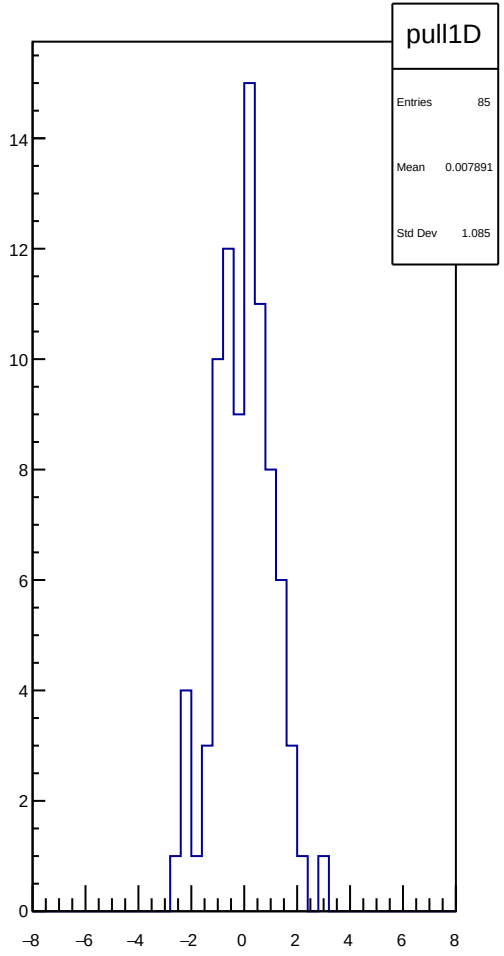

asym_sam1_mean vs run
χ² / ndf 82.56 / 84
p0 92.52 ± 557.8
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 276.6
Std Dev 381.6
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.001051
Std Dev 0.9855
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

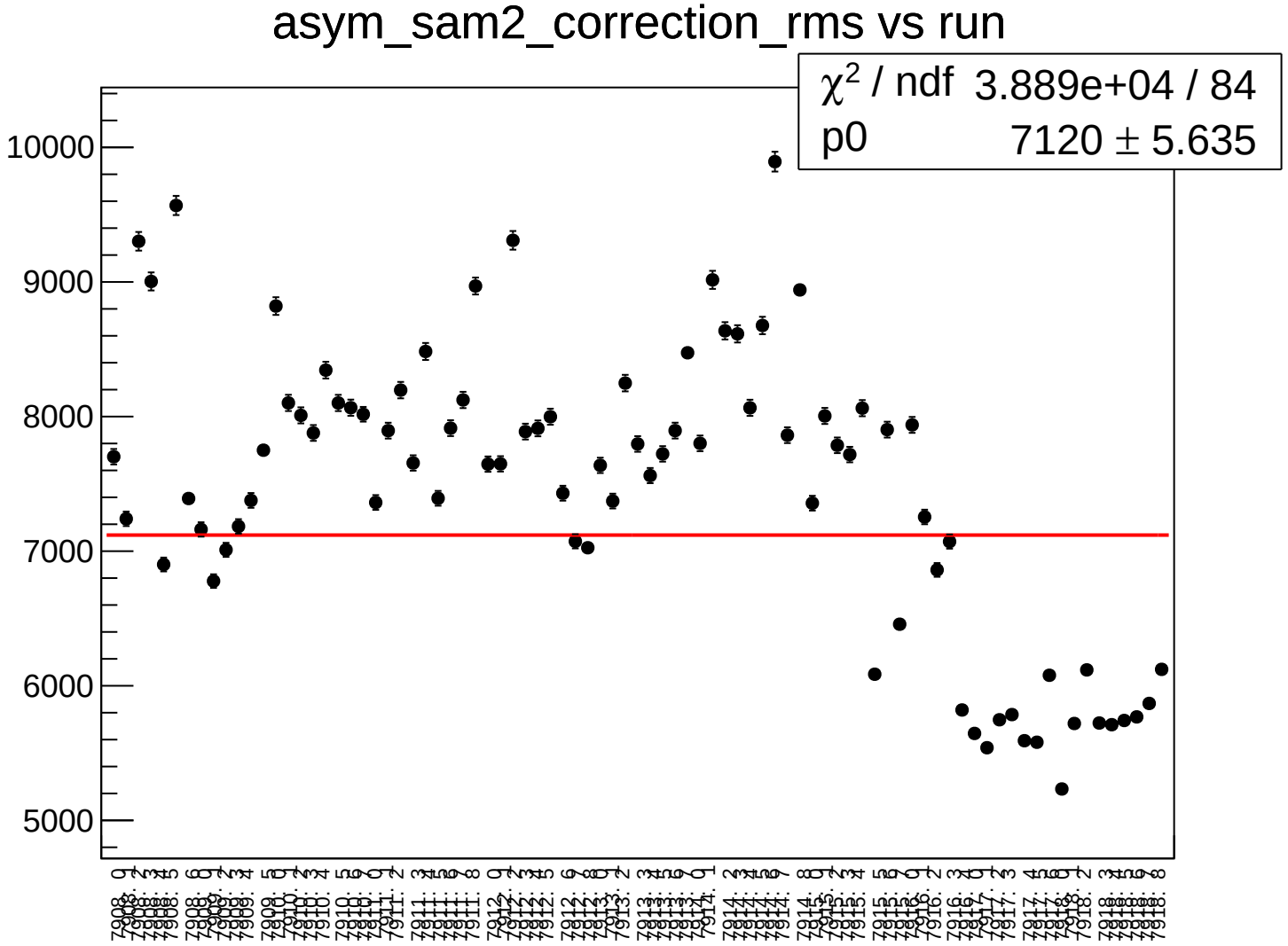

asym_sam1_rms vs run
χ² / ndf 4.177e+04 / 84
p0 497.9 ± 0.3944
700
650
600
550
500
450
400
350

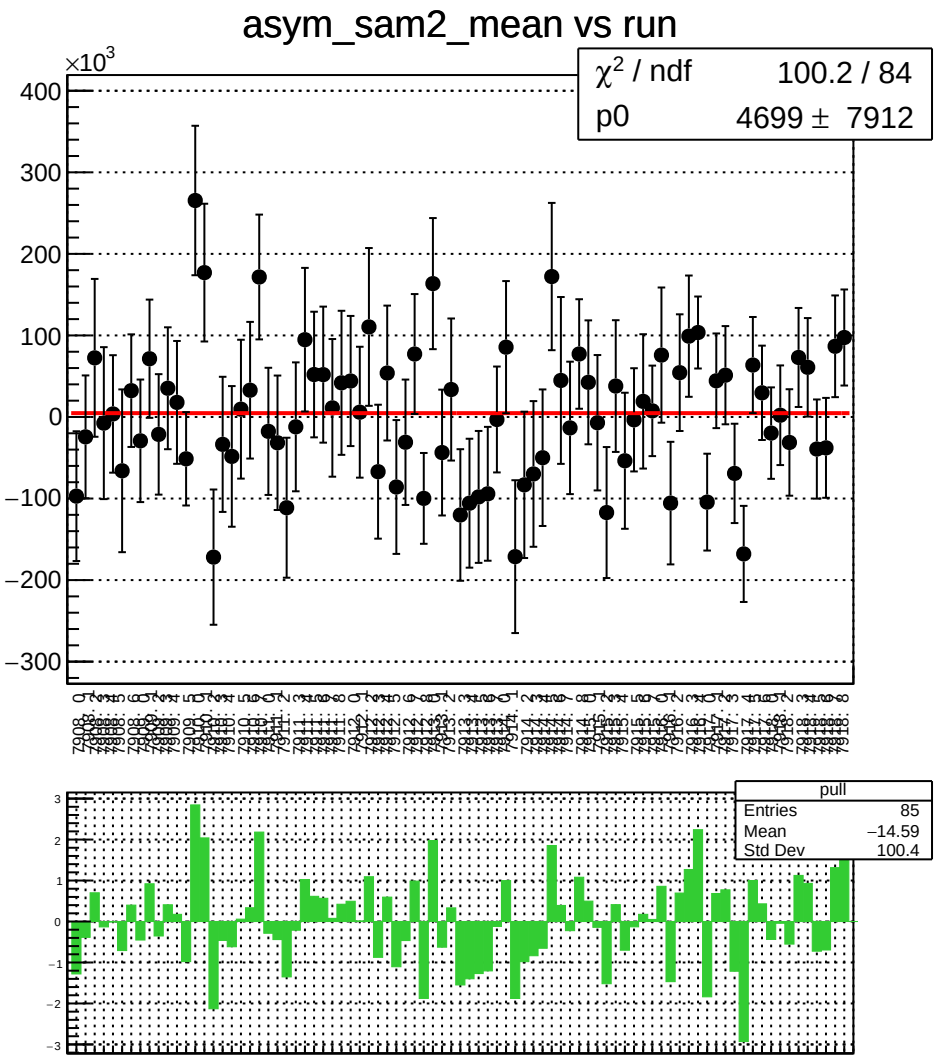

dit_asym_sam2_mean vs run
χ² / ndf 88.36 / 84
p0 −594.2 ± 536.8
pull
Entries 85
Mean −270.5
Std Dev 312.9
pull1D
Entries 85
Mean −0.01472
Std Dev 1.019

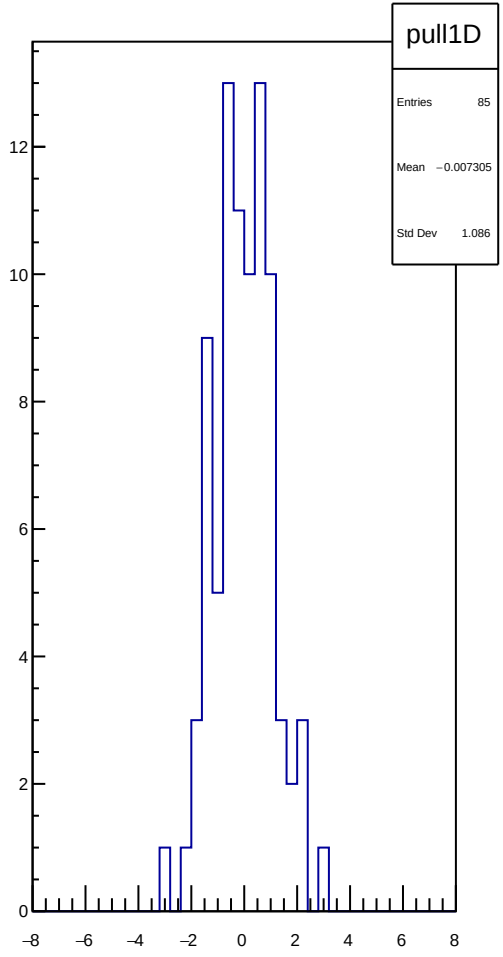

dit_asym_sam2_rms vs run
χ² / ndf 2.329e+04 / 84
p0 482 ± 0.3796
700
650
600
550
500
450
400

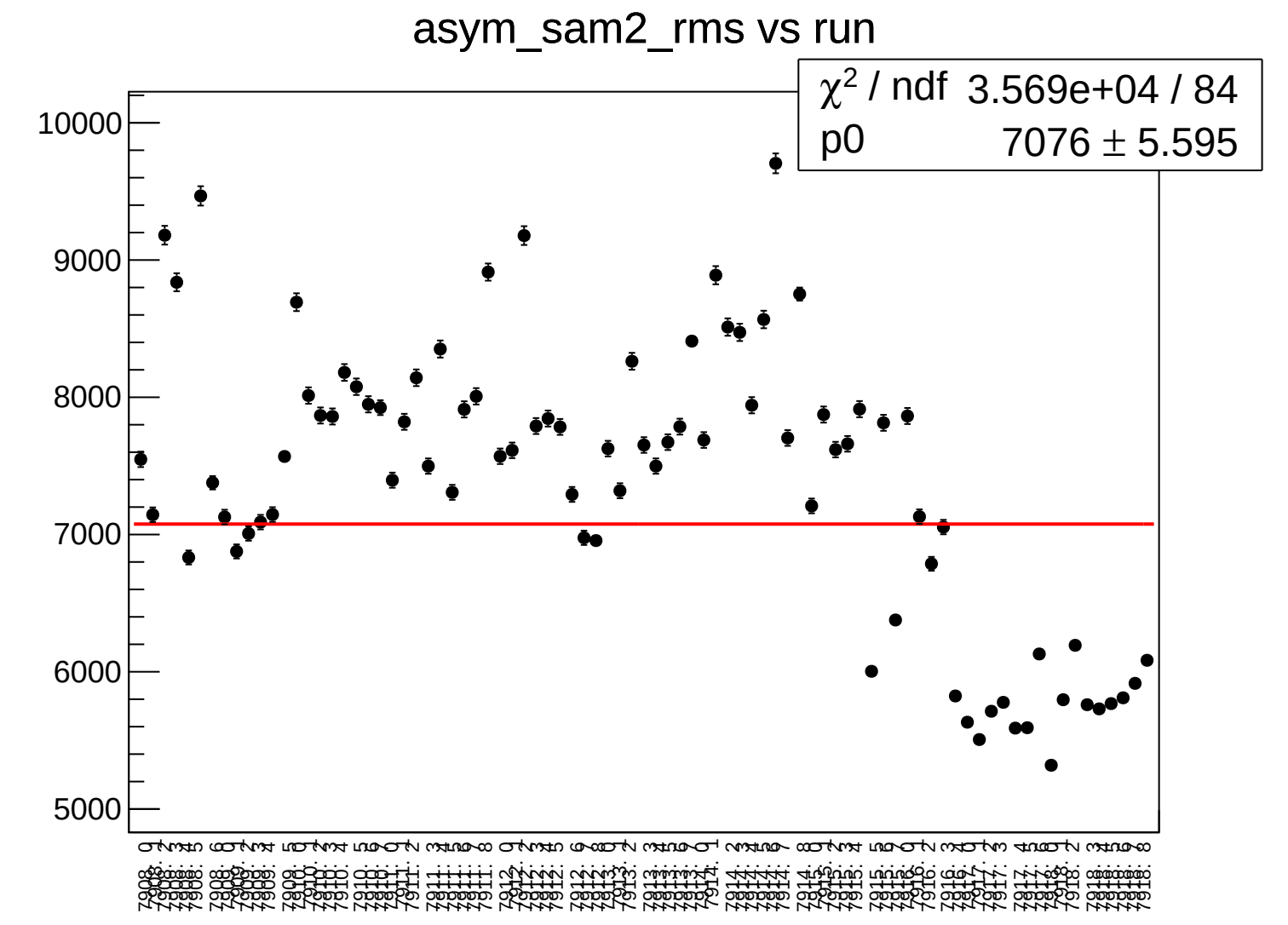

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 99.99 / 84
p0 −5540 ± 7969
pull
Entries 85
Mean 31.43
Std Dev 78.64

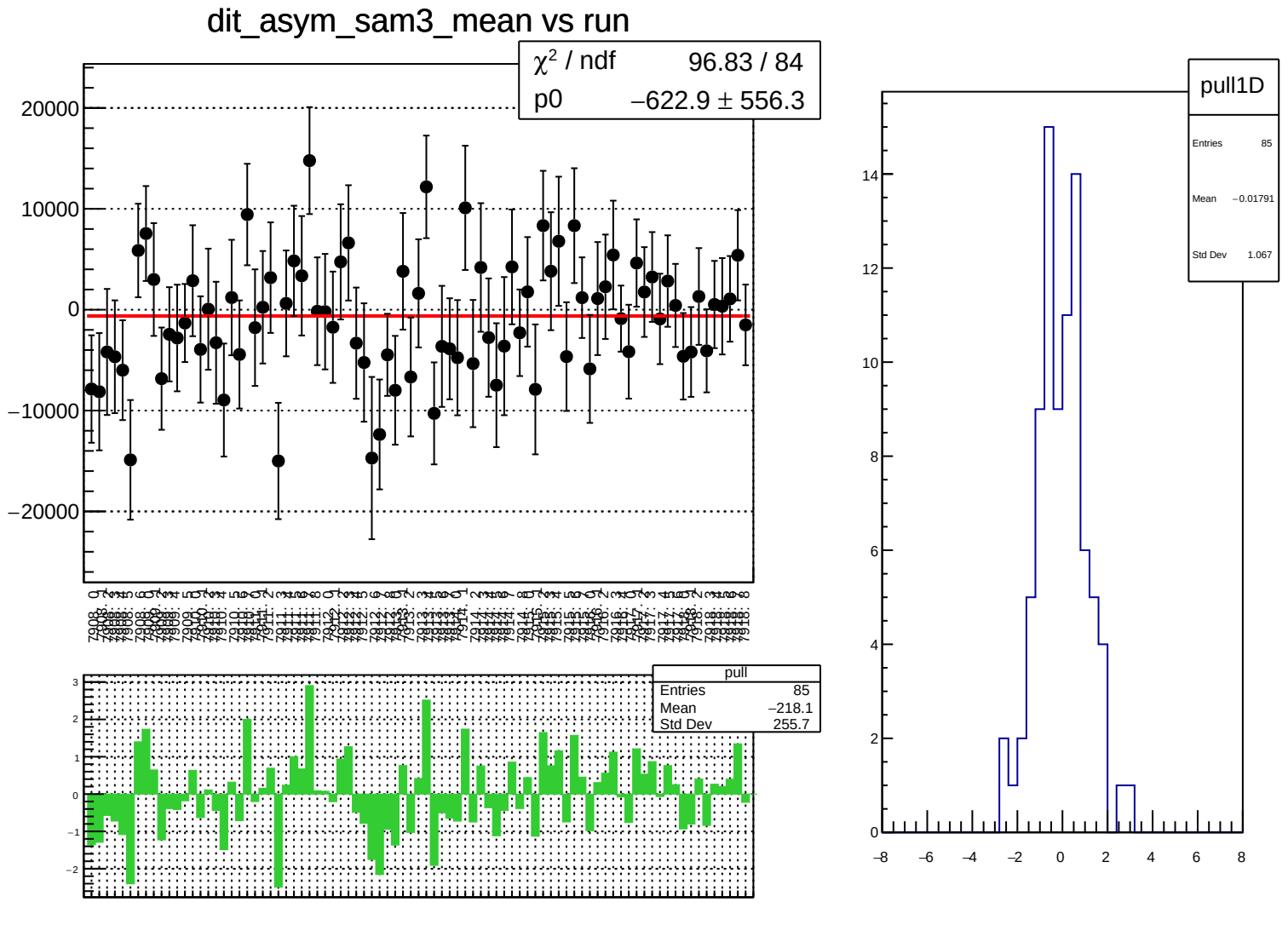

pull1D
Entries 85
Mean 0.007891
Std Dev 1.085


asym_sam2_correction_rms vs run
χ^2 / ndf 3.889e+04 / 84
p0 7120 ± 5.635
10000
9000
8000
7000
6000
5000

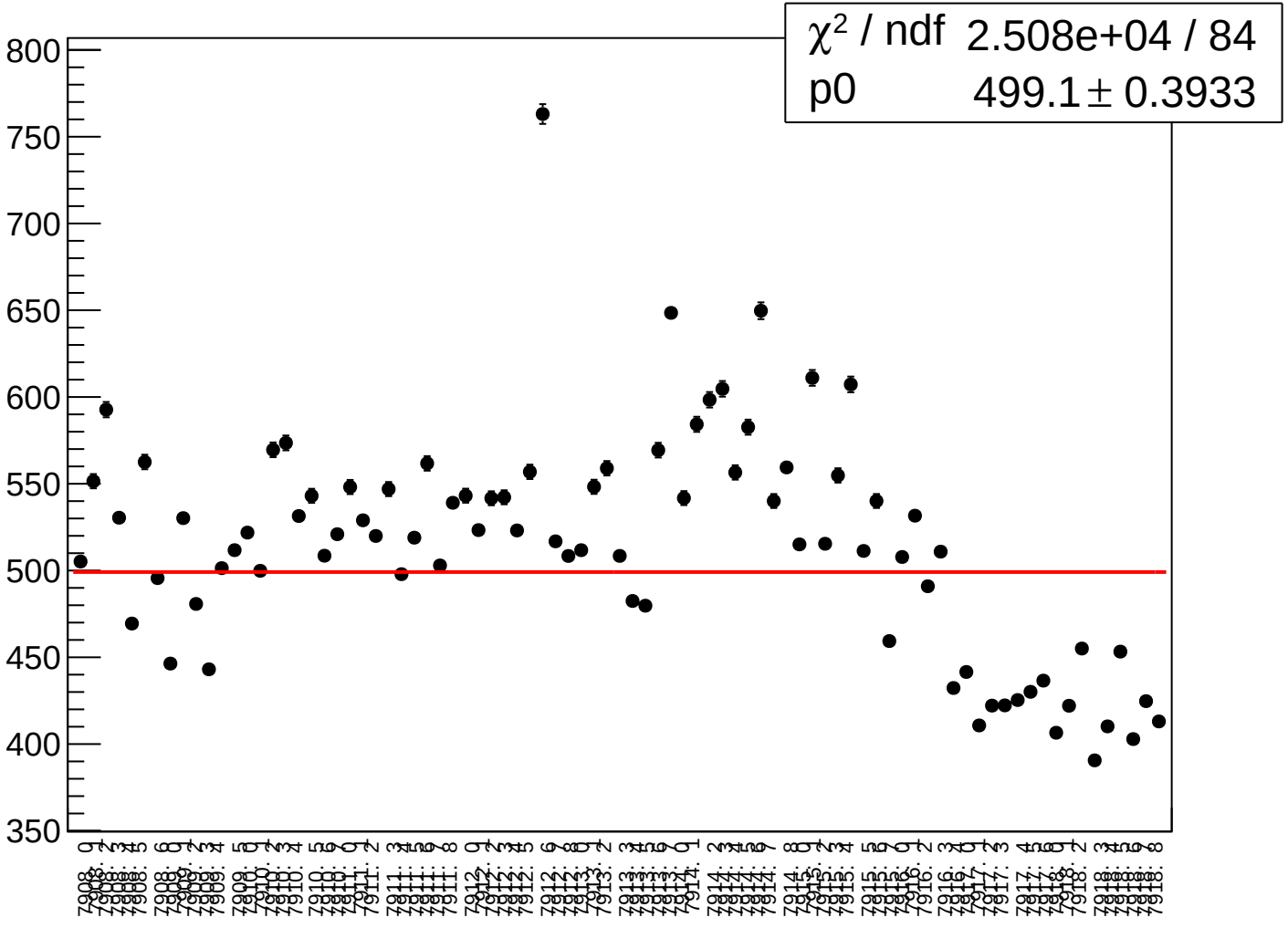

asym_sam2_mean vs run
×10^3
χ² / ndf 100.2 / 84
p0 4699 ± 7912
pull
Entries 85
Mean −14.59
Std Dev 100.4

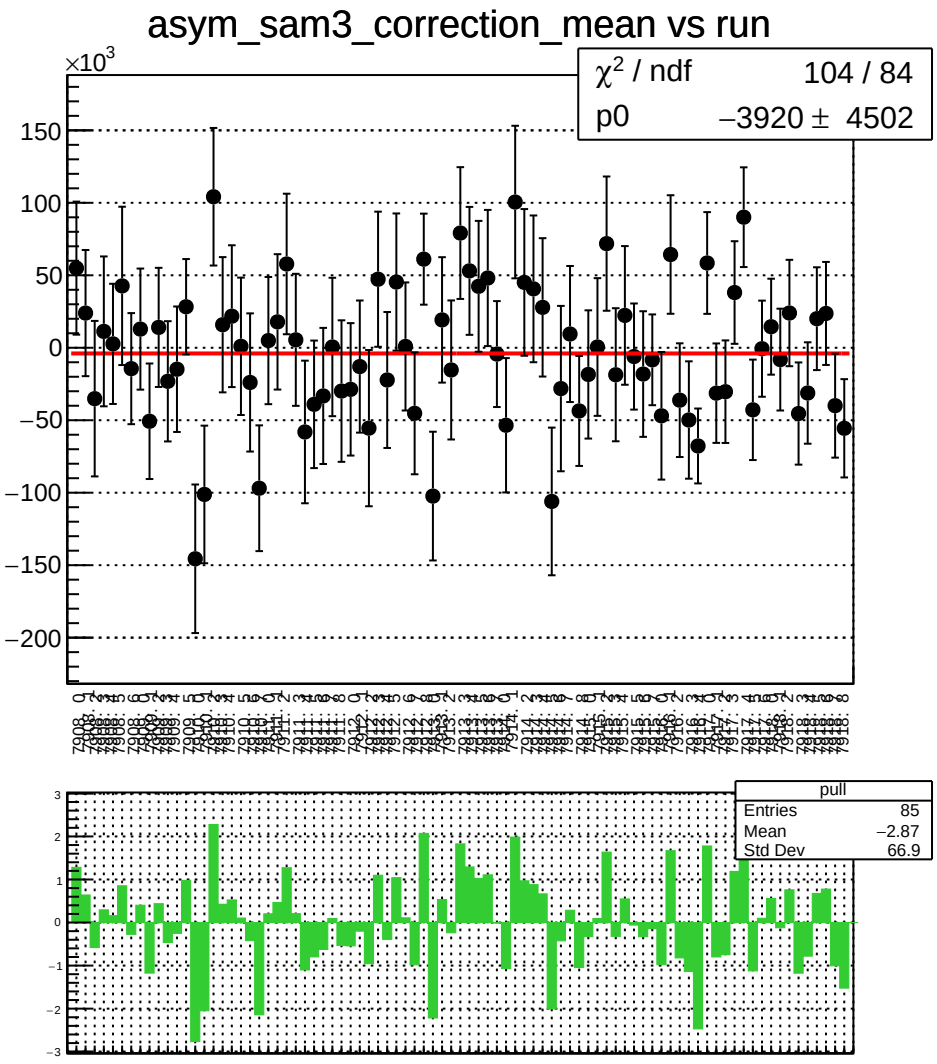

pull1D
Entries 85
Mean −0.007305
Std Dev 1.086

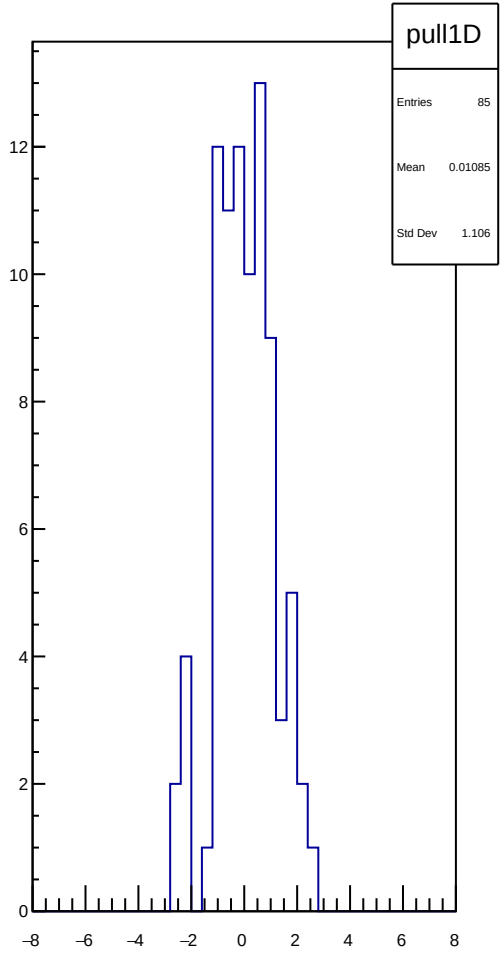

asym_sam2_rms vs run
χ^2 / ndf 3.569e+04 / 84
p0 7076 ± 5.595
10000
9000
8000
7000
6000
5000

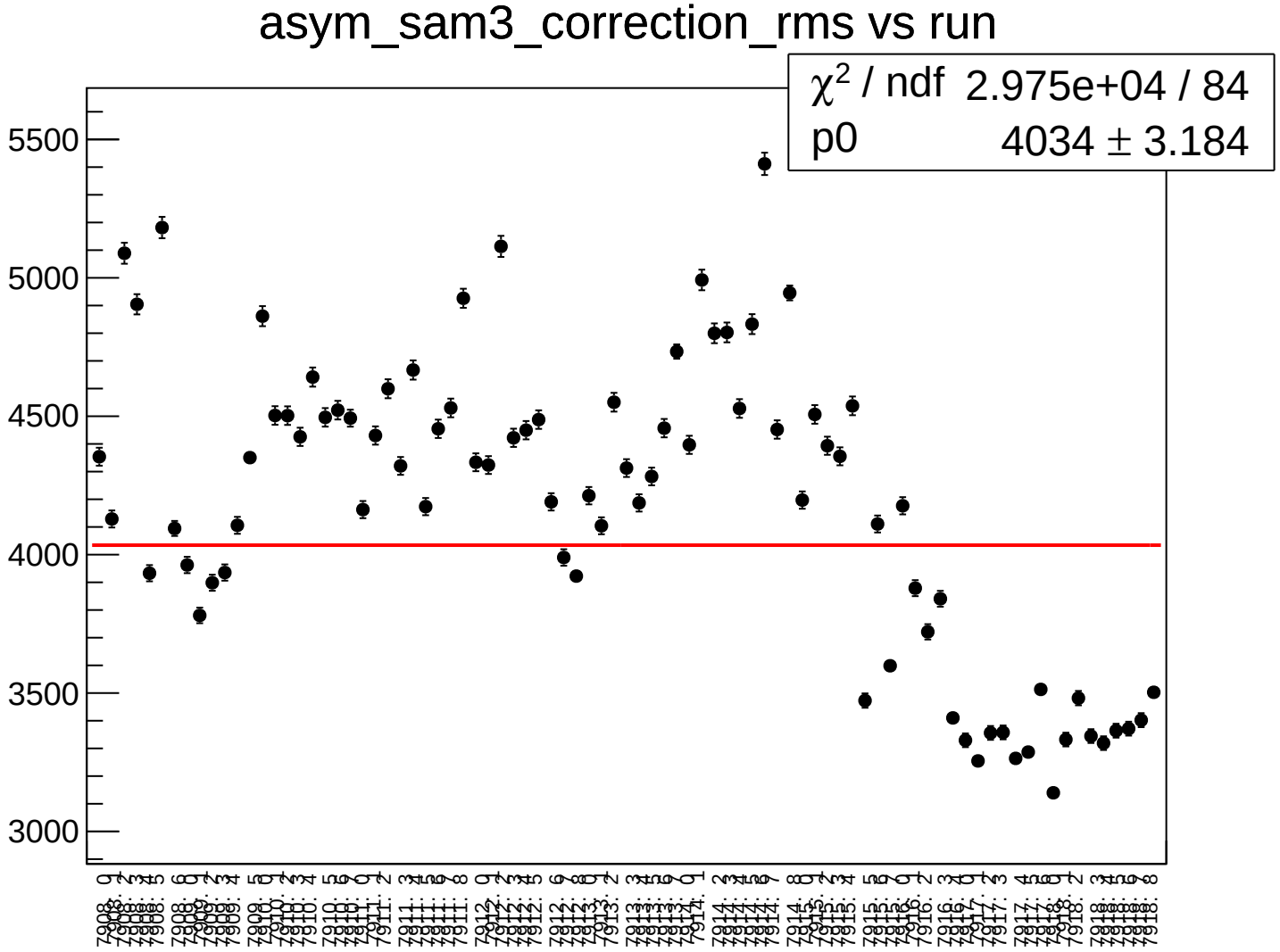

dit_asym_sam3_mean vs run
χ² / ndf 96.83 / 84
p0 −622.9 ± 556.3
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −218.1
Std Dev 255.7
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01791
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

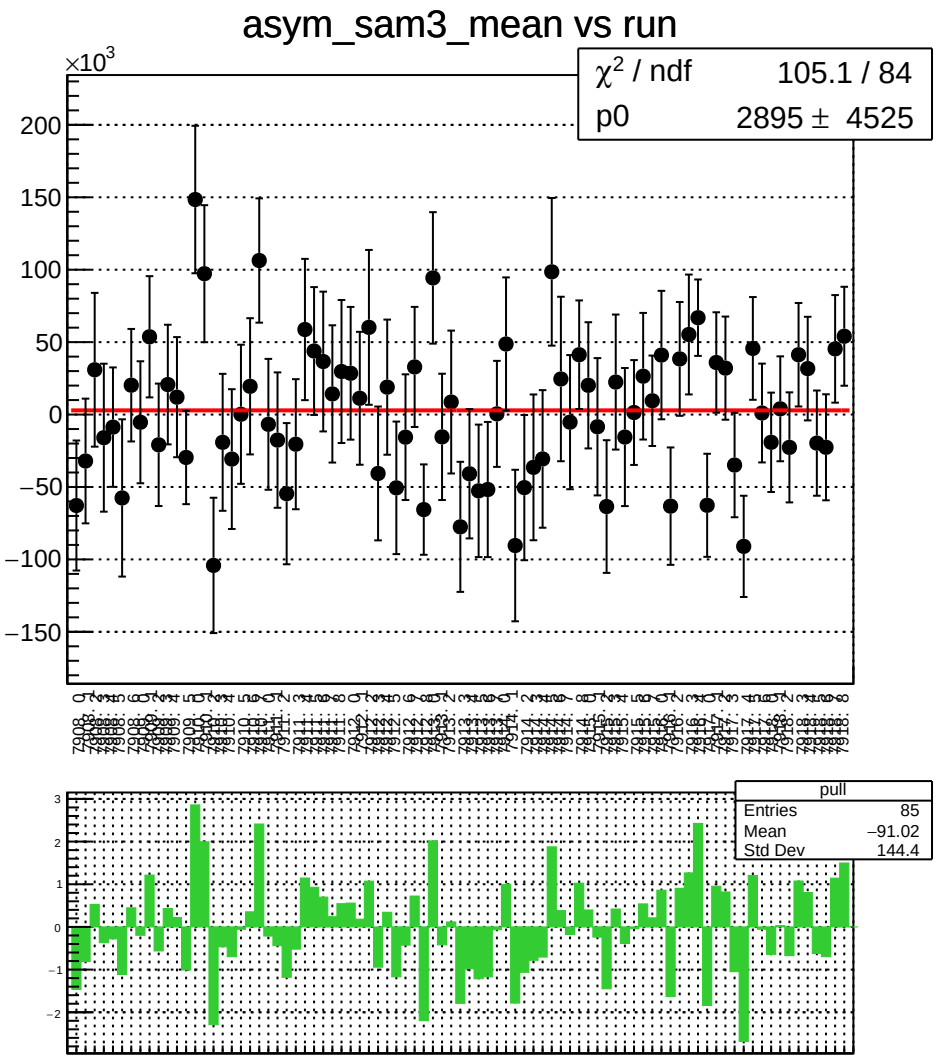
dit_asym_sam3_rms vs run

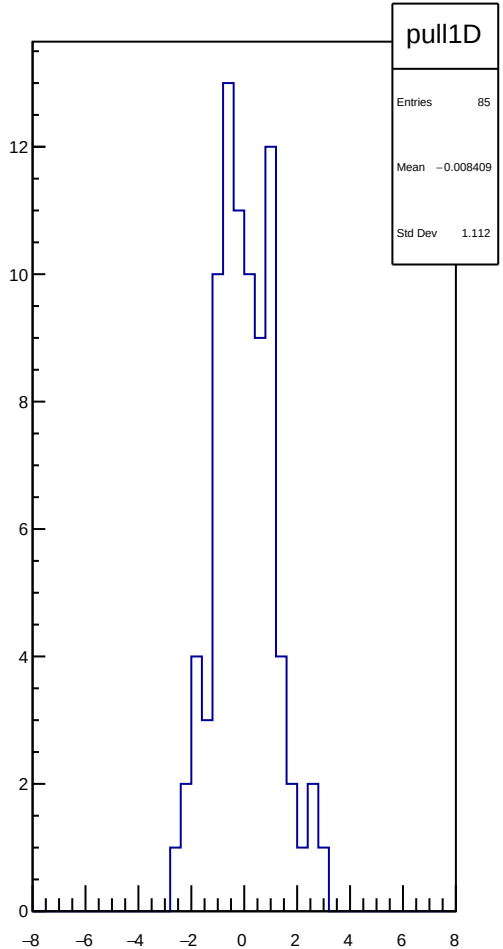


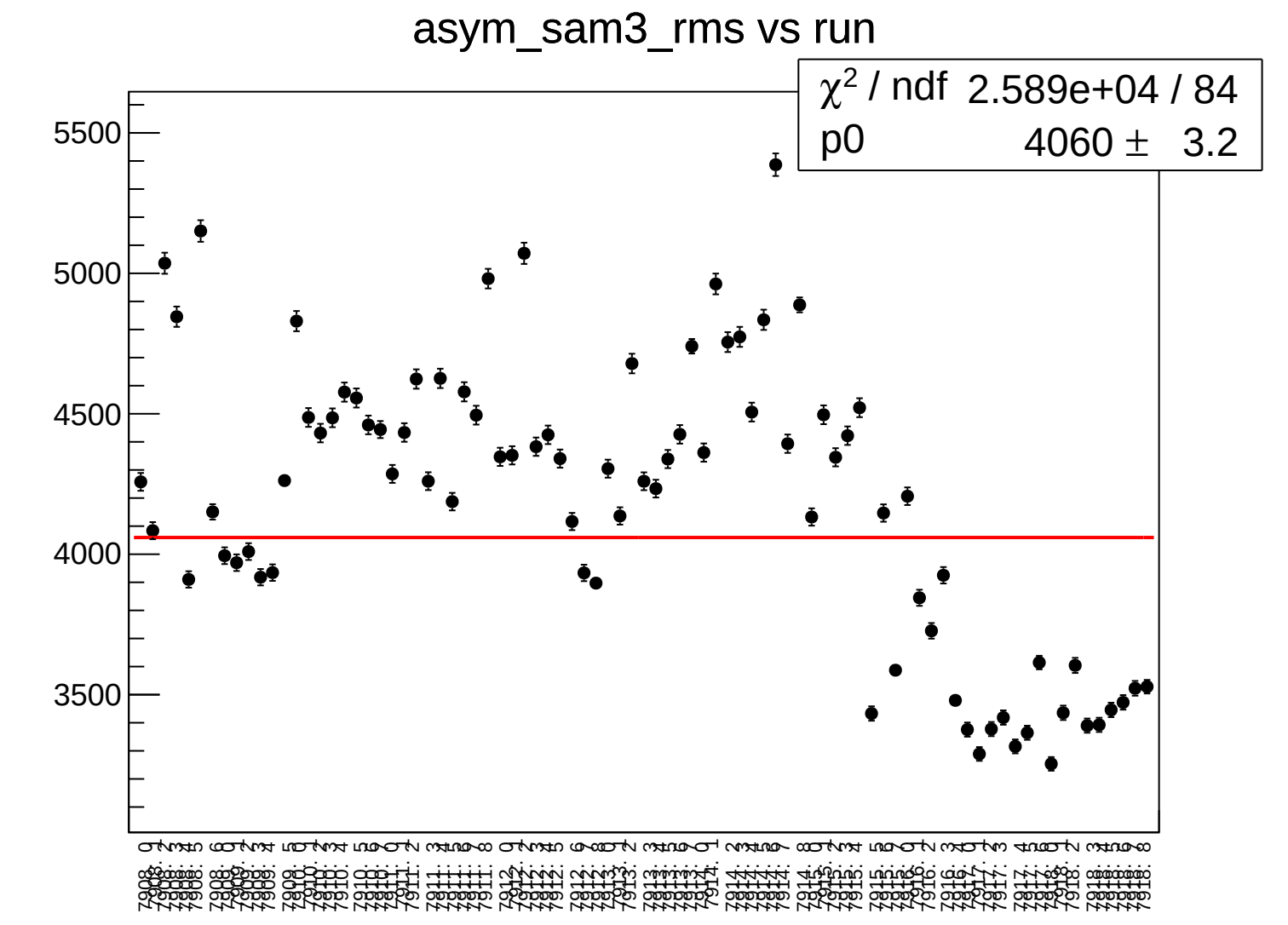

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 104 / 84
p0 −3920 ± 4502
pull
Entries 85
Mean −2.87
Std Dev 66.9

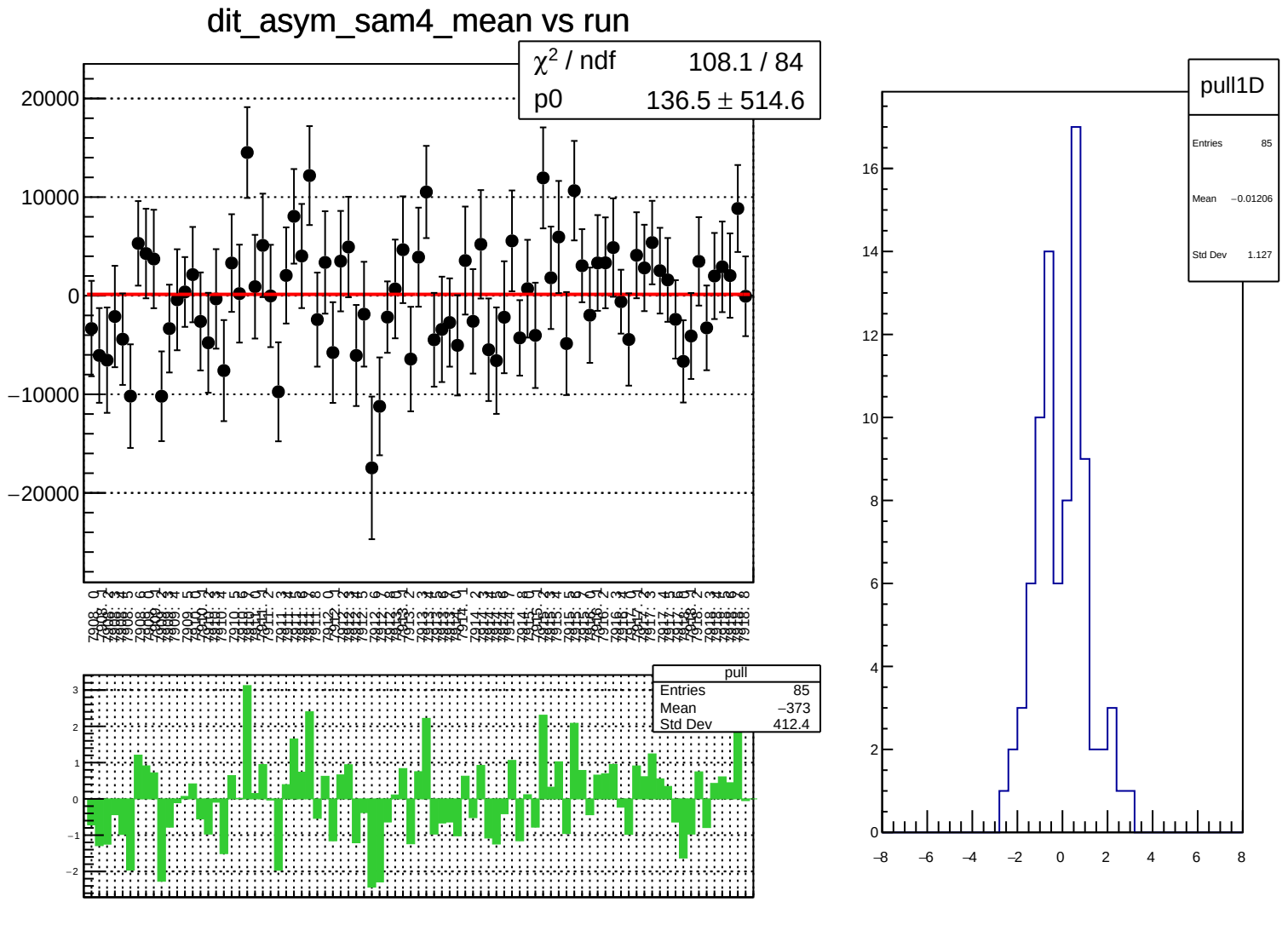

pull1D
Entries 85
Mean 0.01085
Std Dev 1.106


asym_sam3_correction_rms vs run
χ^2 / ndf 2.975e+04 / 84
p0 4034 ± 3.184
5500
5000
4500
4000
3500
3000

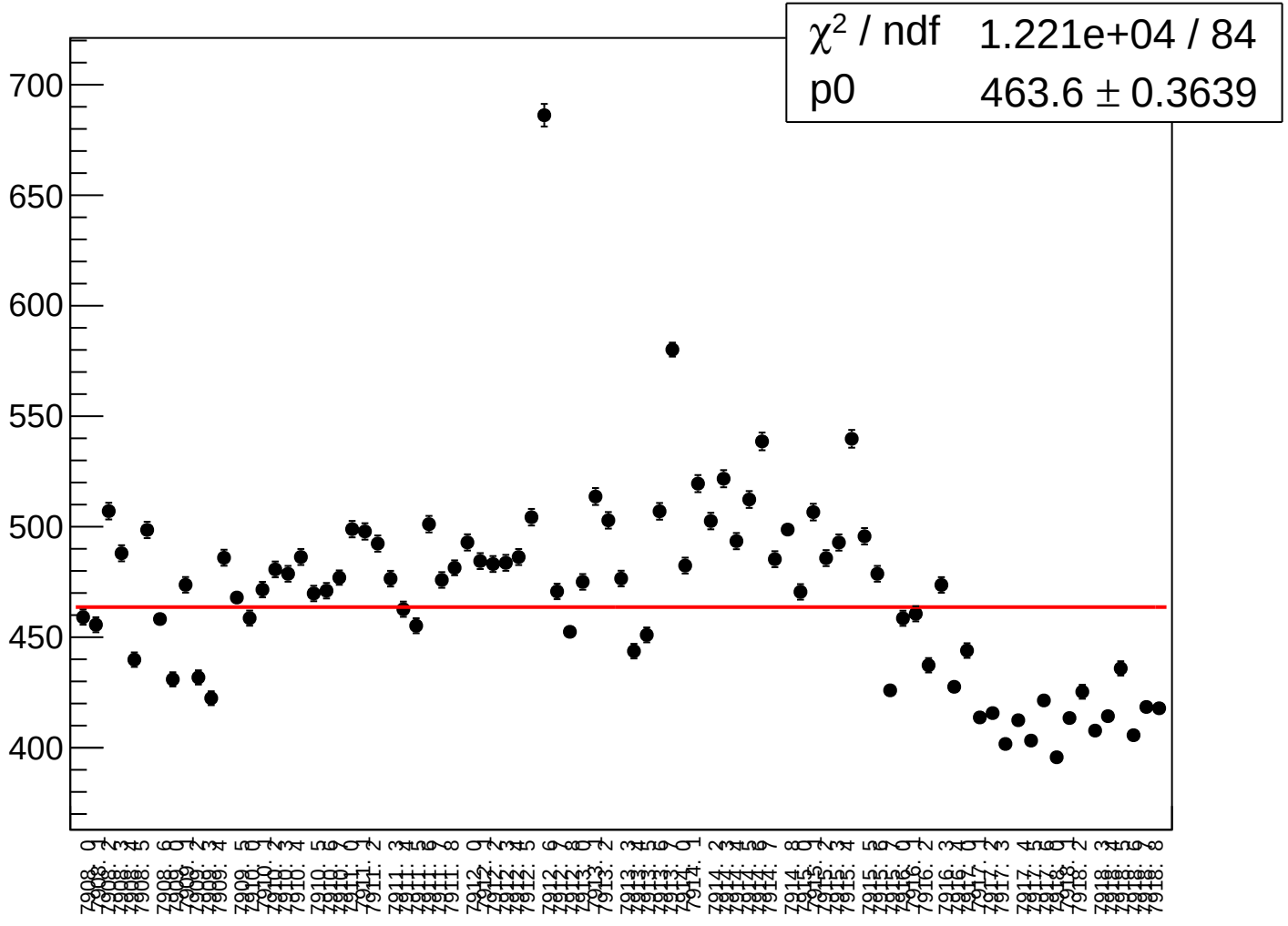

asym_sam3_mean vs run
×10^3
χ² / ndf 105.1 / 84
p0 2895 ± 4525
pull
Entries 85
Mean −91.02
Std Dev 144.4

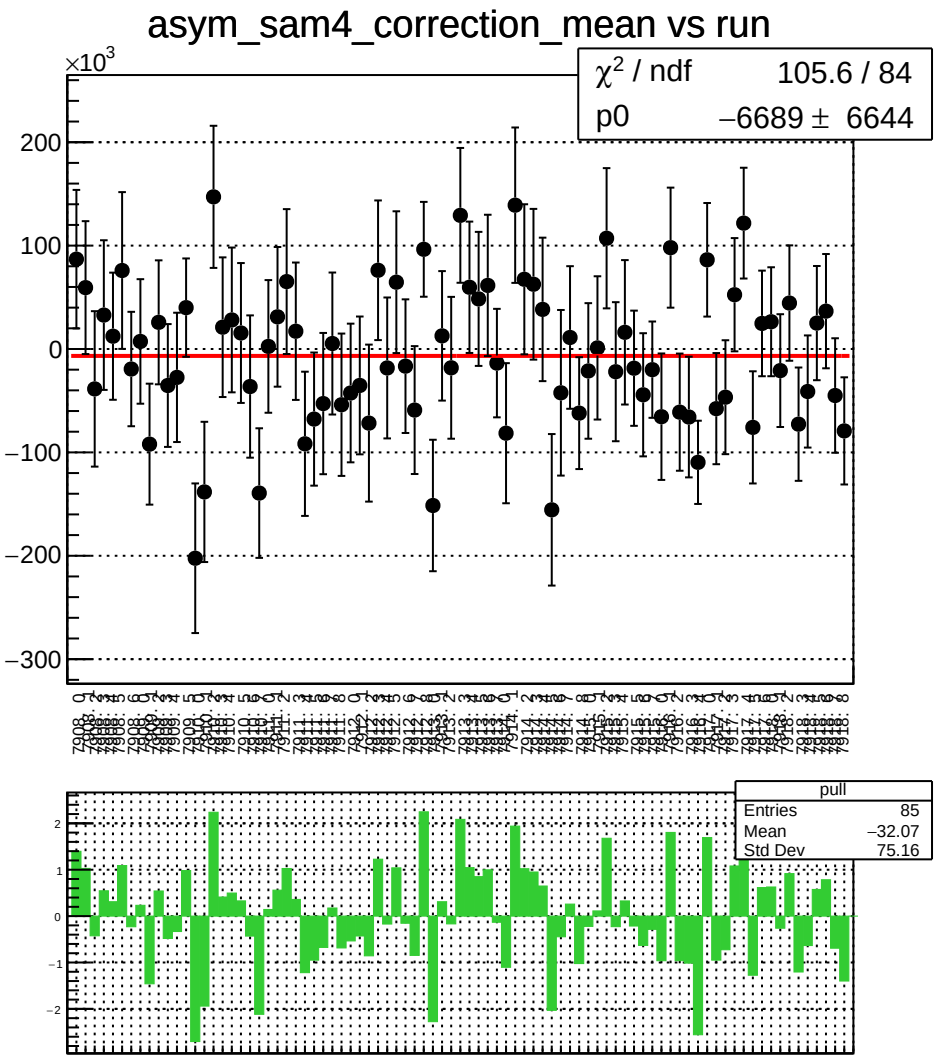

pull1D
Entries 85
Mean −0.008409
Std Dev 1.112

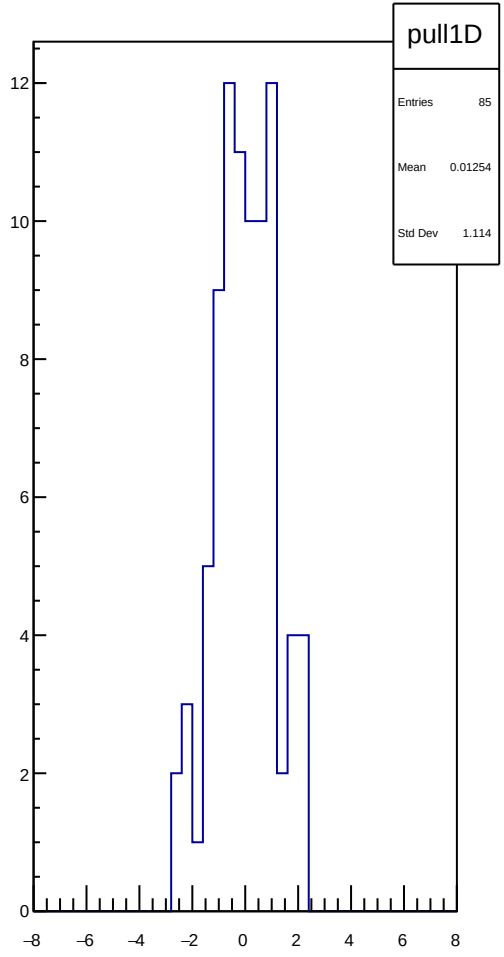

asym_sam3_rms vs run
χ2 / ndf 2.589e+04 / 84
p0 4060 ± 3.2
5500
5000
4500
4000
3500


dit_asym_sam4_mean vs run
χ² / ndf 108.1 / 84
p0 136.5 ± 514.6
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −373
Std Dev 412.4
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01206
Std Dev 1.127
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

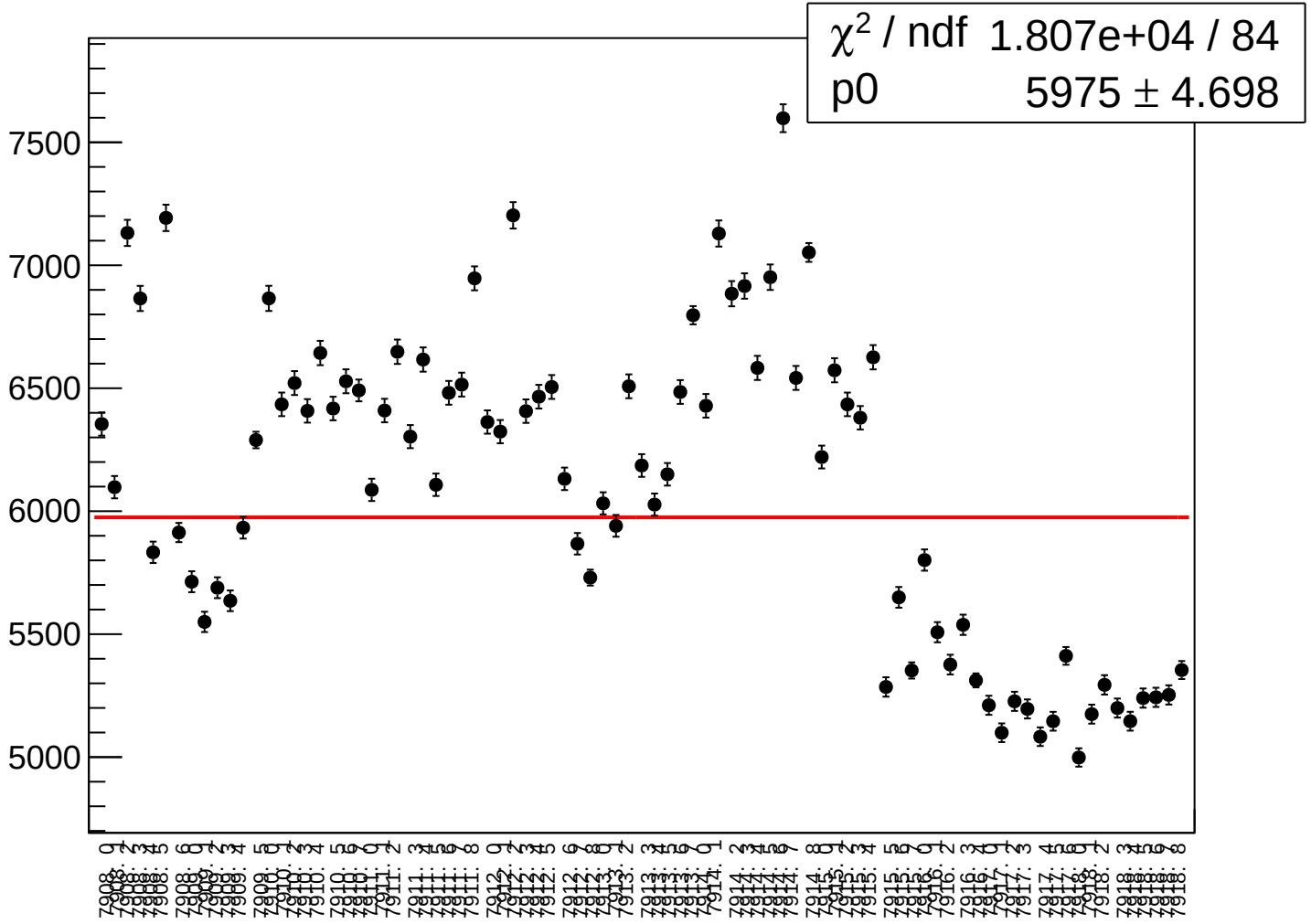
dit_asym_sam4_rms vs run

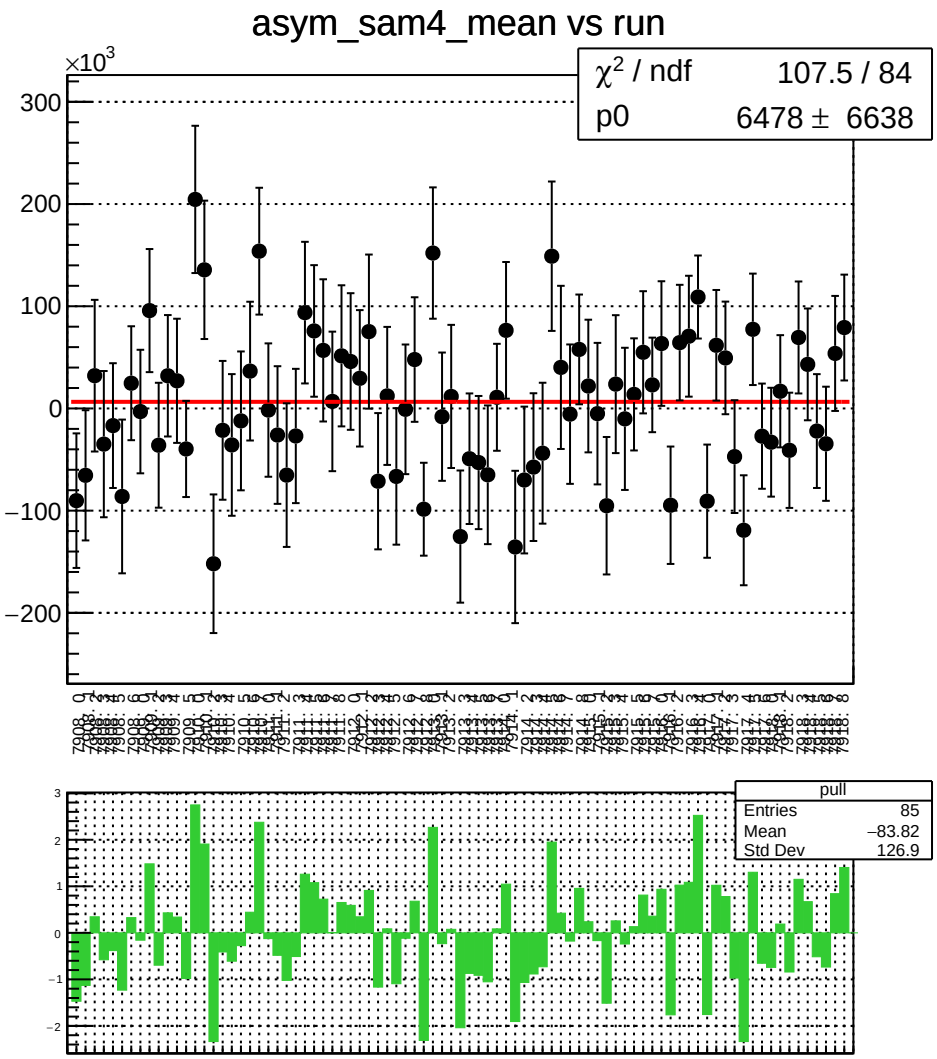


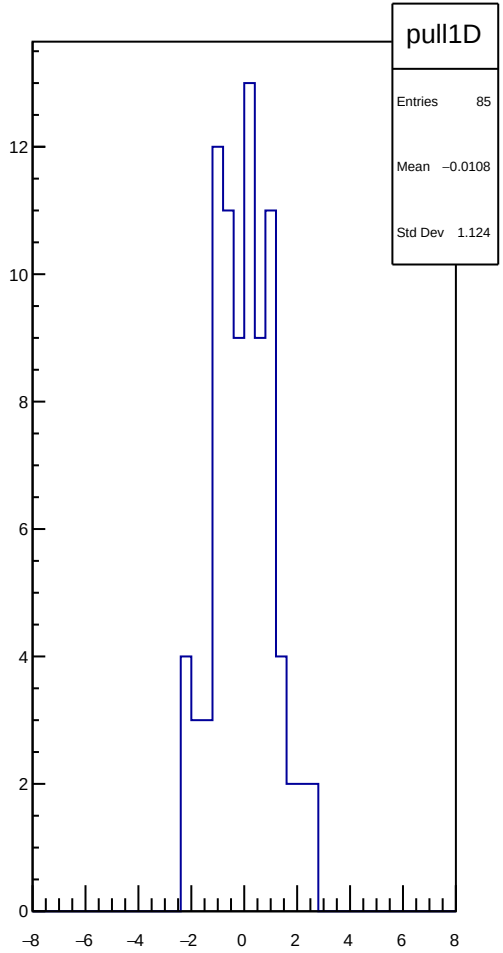

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 105.6 / 84
p0 −6689 ± 6644
pull
Entries 85
Mean −32.07
Std Dev 75.16


pull1D
Entries 85
Mean 0.01254
Std Dev 1.114

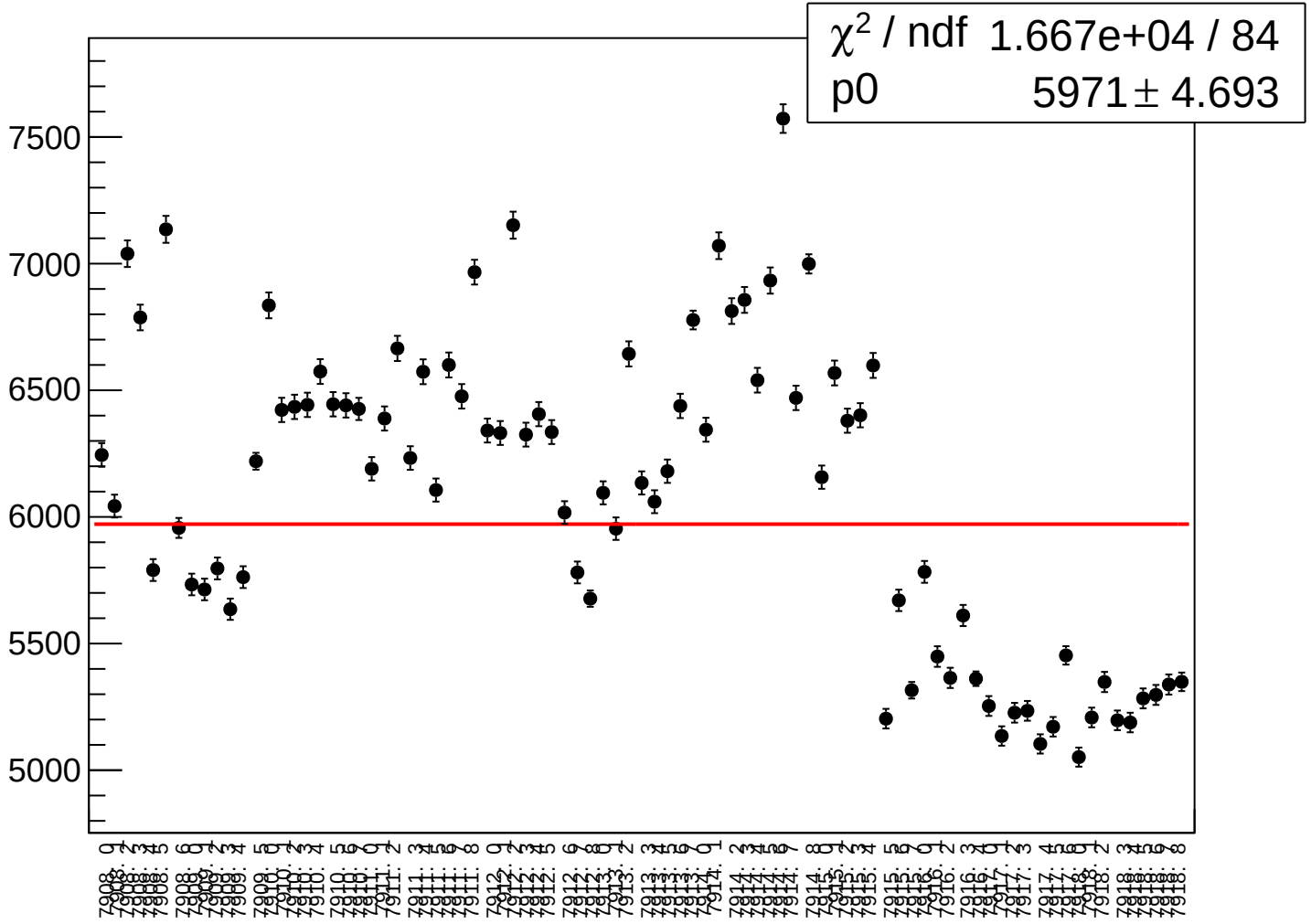
asym_sam4_correction_rms vs run

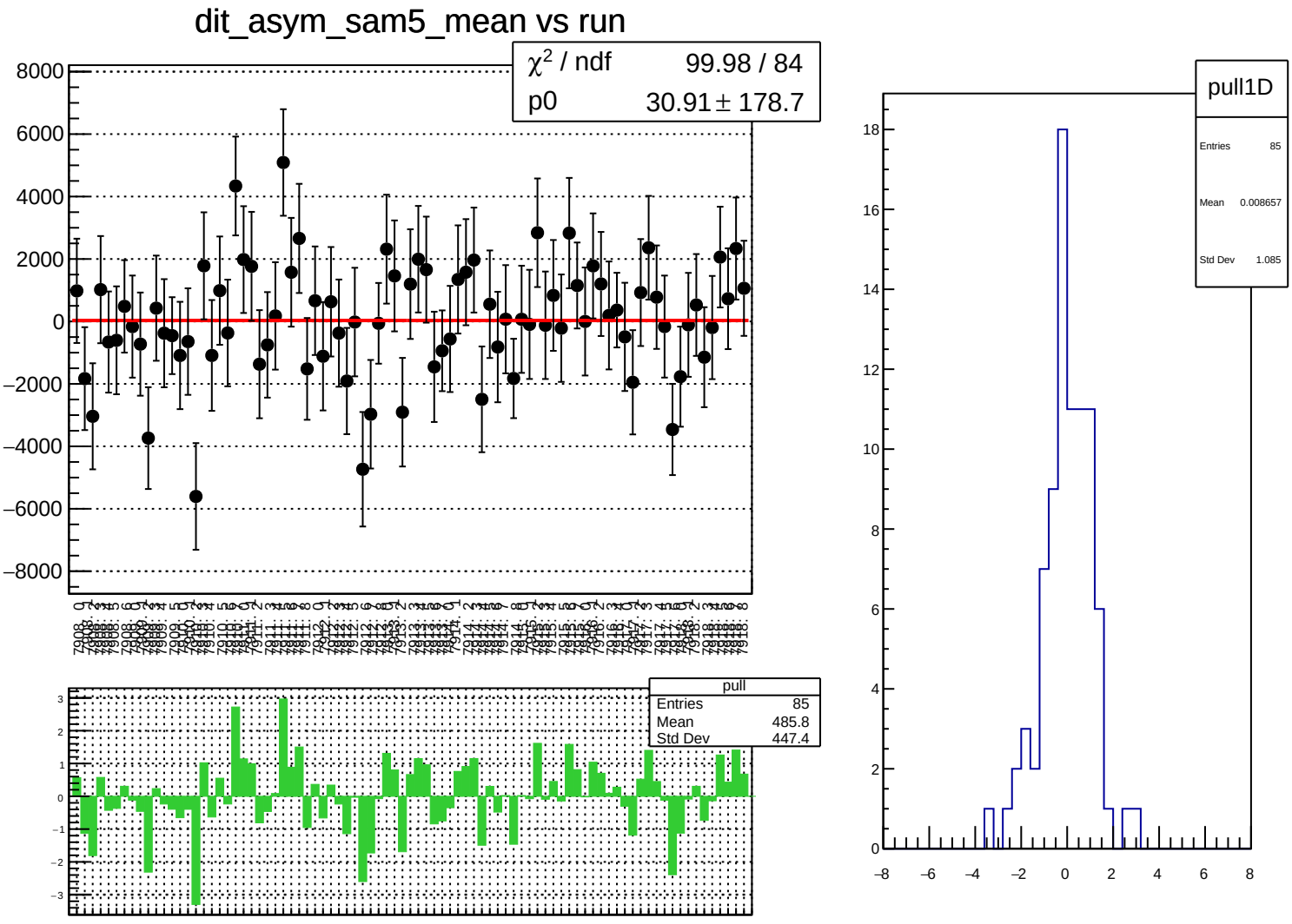


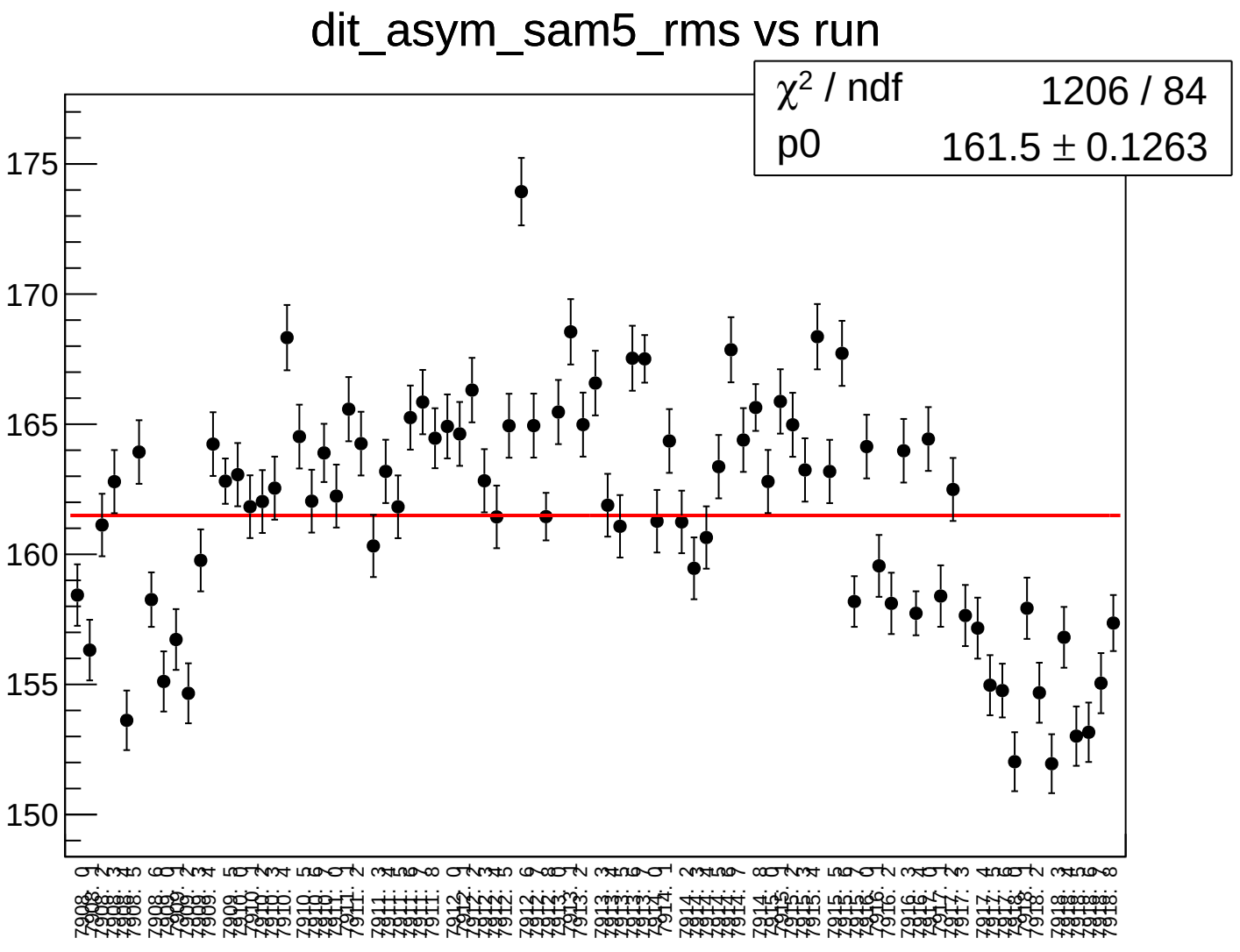

asym_sam4_mean vs run
×10^3
χ^2 / ndf 107.5 / 84
p0 6478 ± 6638
pull
Entries 85
Mean −83.82
Std Dev 126.9

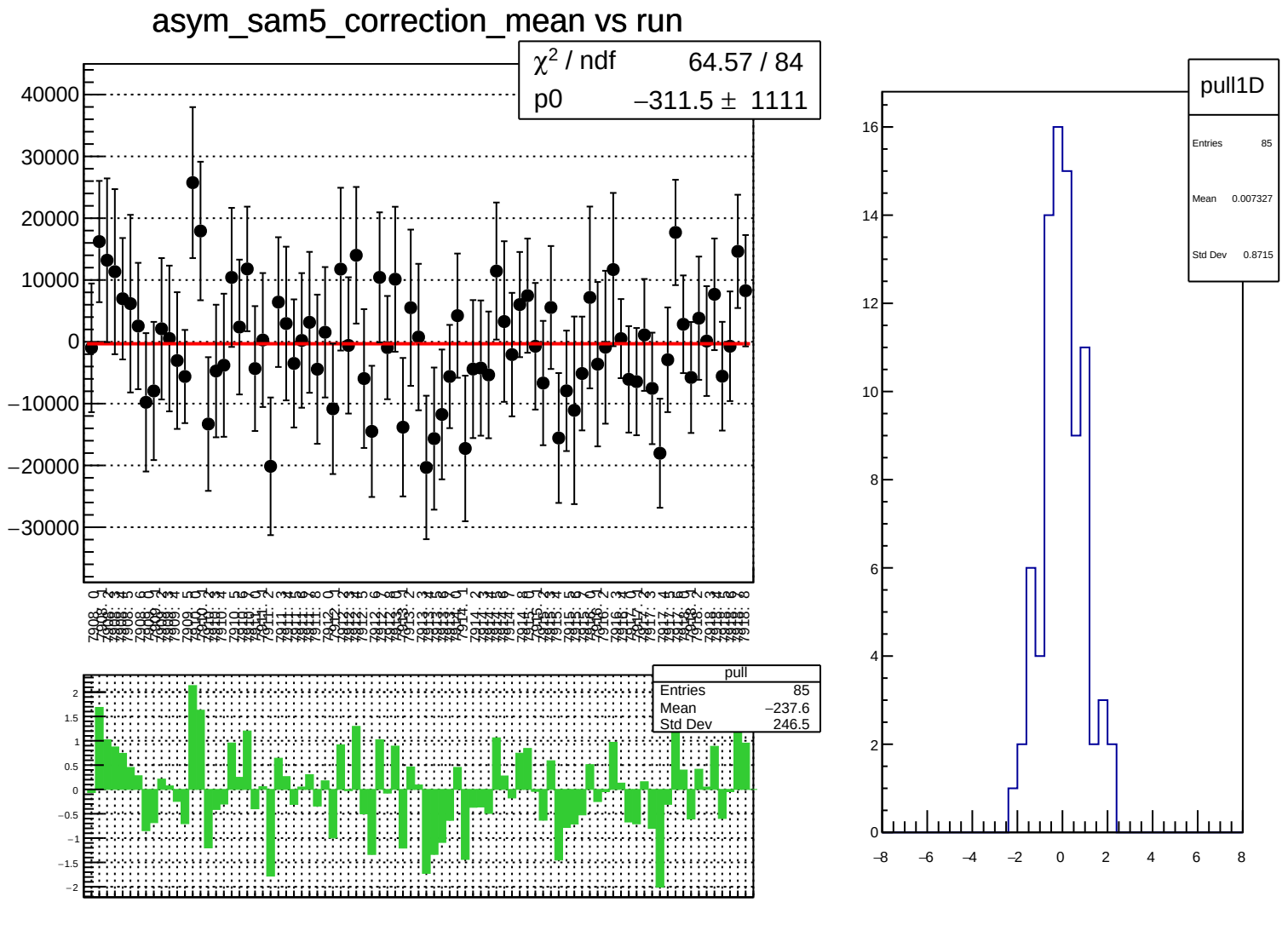

pull1D
Entries 85
Mean −0.0108
Std Dev 1.124

asym_sam4_rms vs run

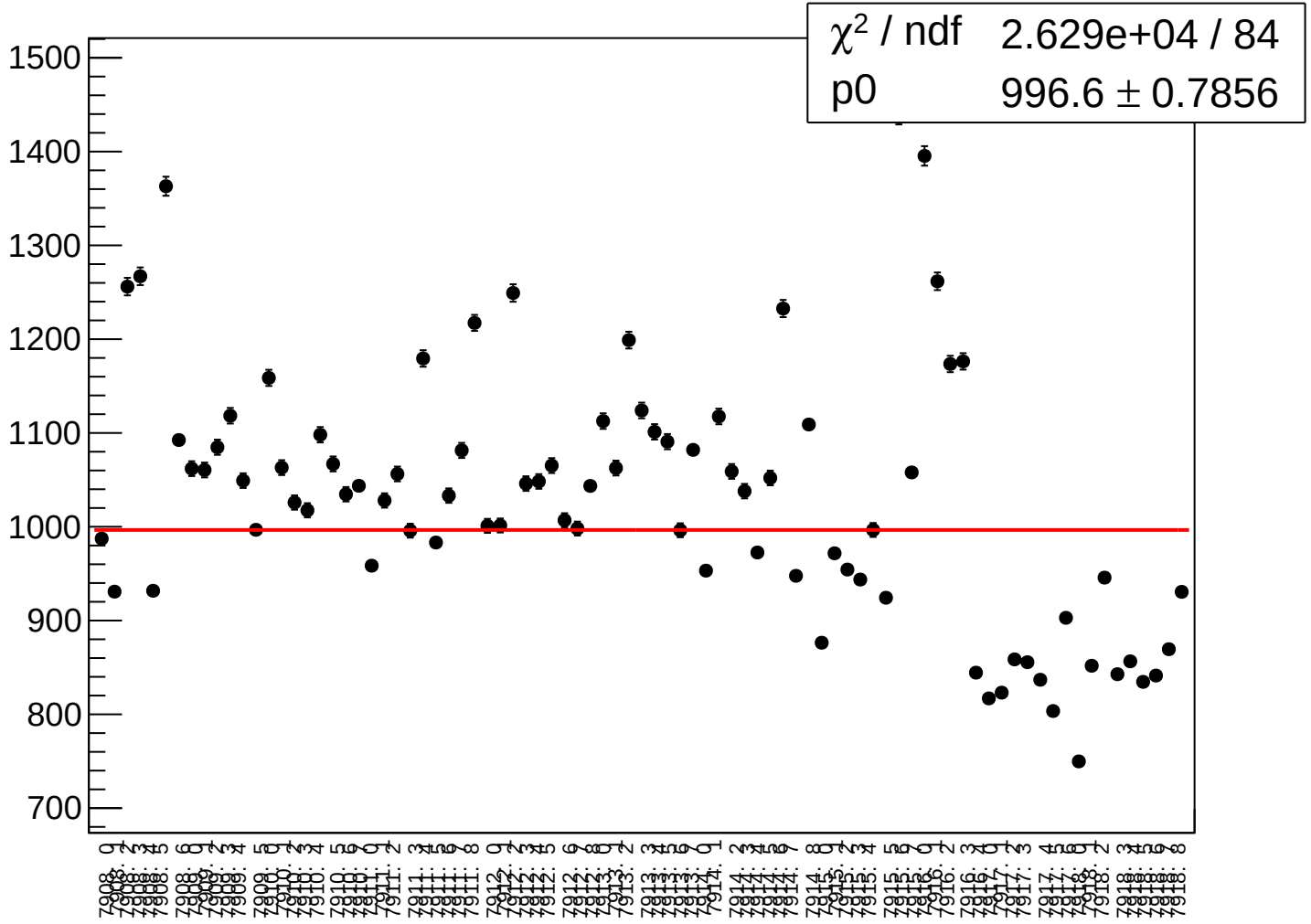


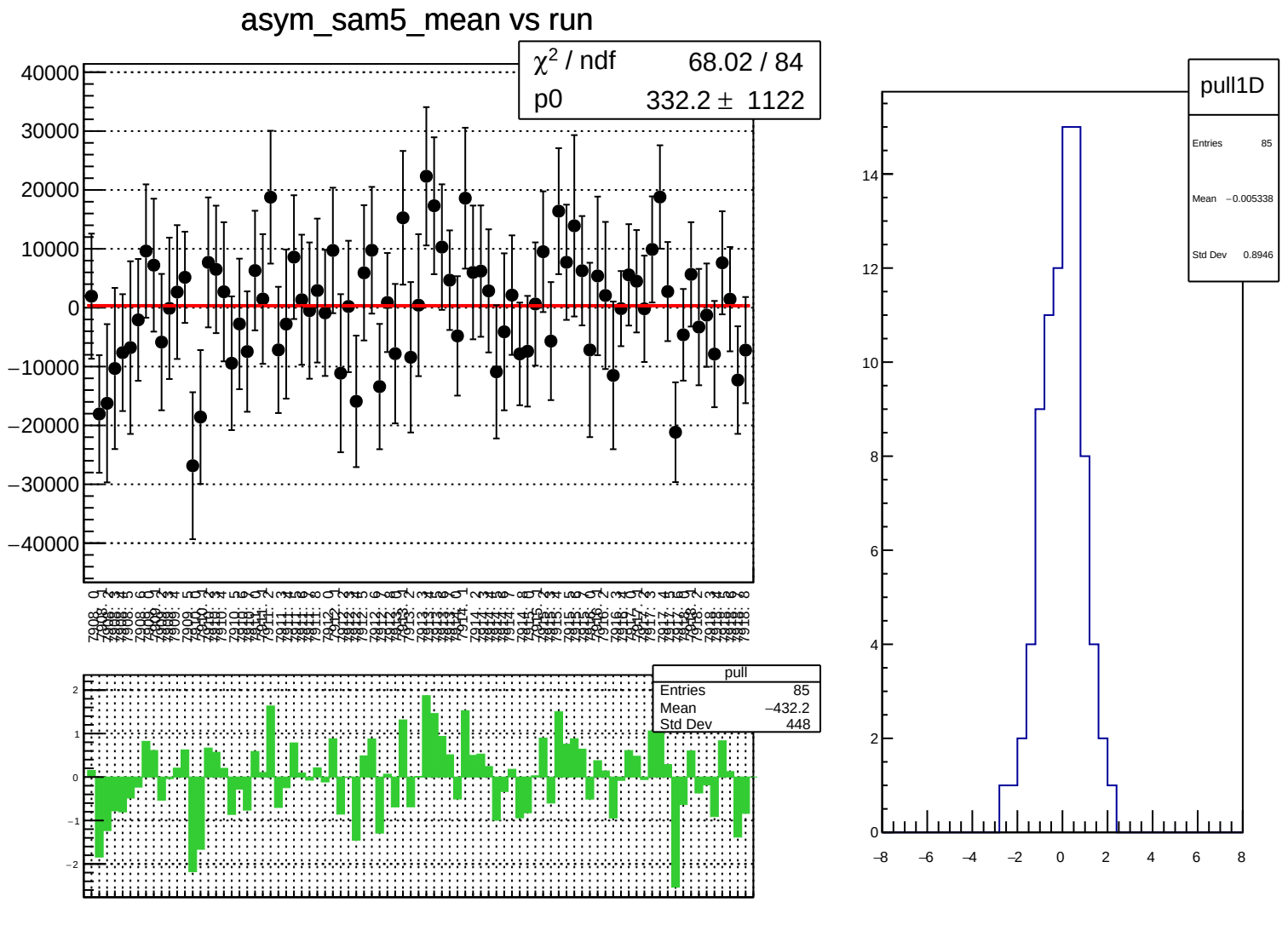

dit_asym_sam5_mean vs run
χ^2 / ndf 99.98 / 84
p0 30.91 ± 178.7
pull
Entries 85
Mean 485.8
Std Dev 447.4
pull1D
Entries 85
Mean 0.008657
Std Dev 1.085

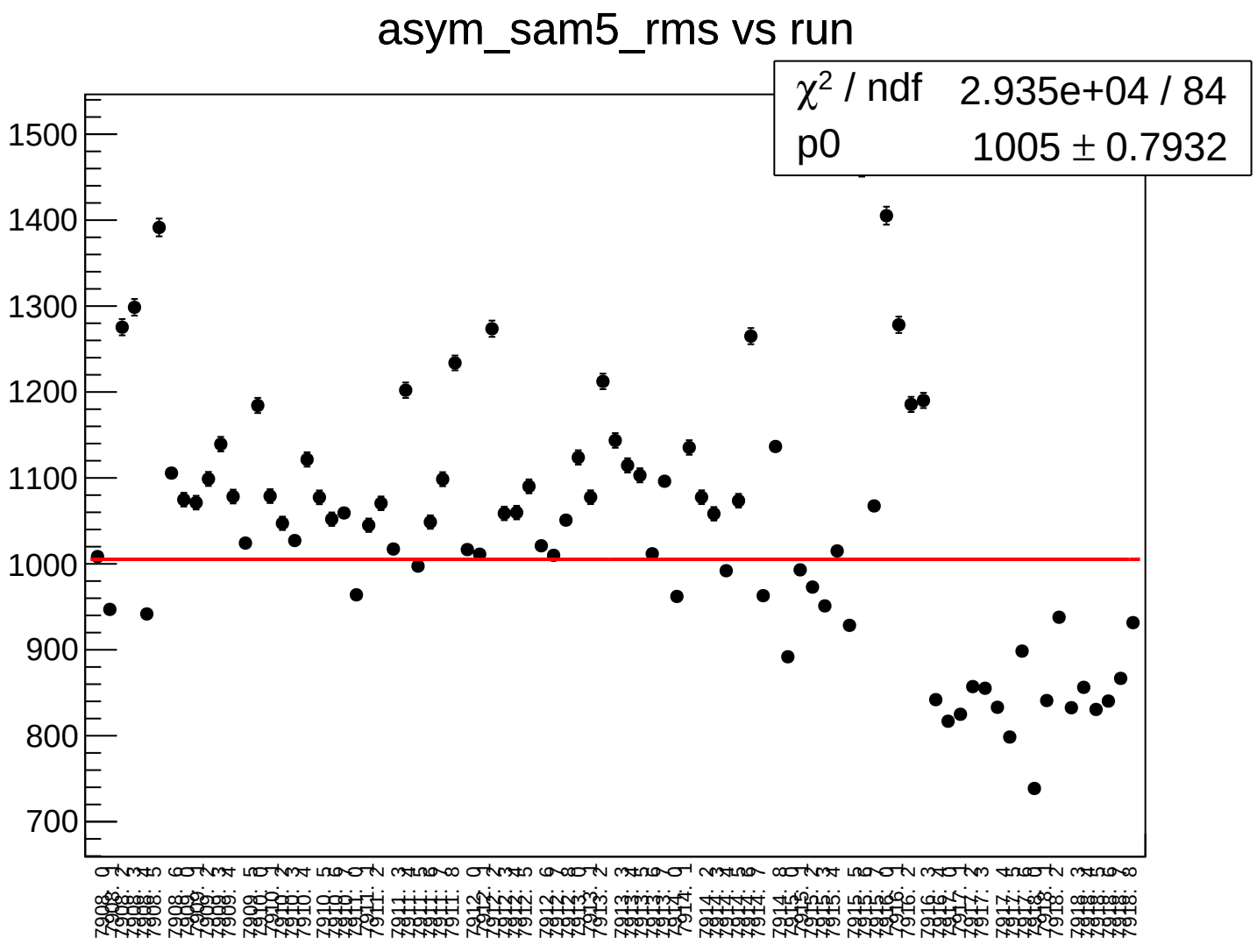

dit_asym_sam5_rms vs run
χ² / ndf 1206 / 84
p0 161.5 ± 0.1263
175
170
165
160
155
150

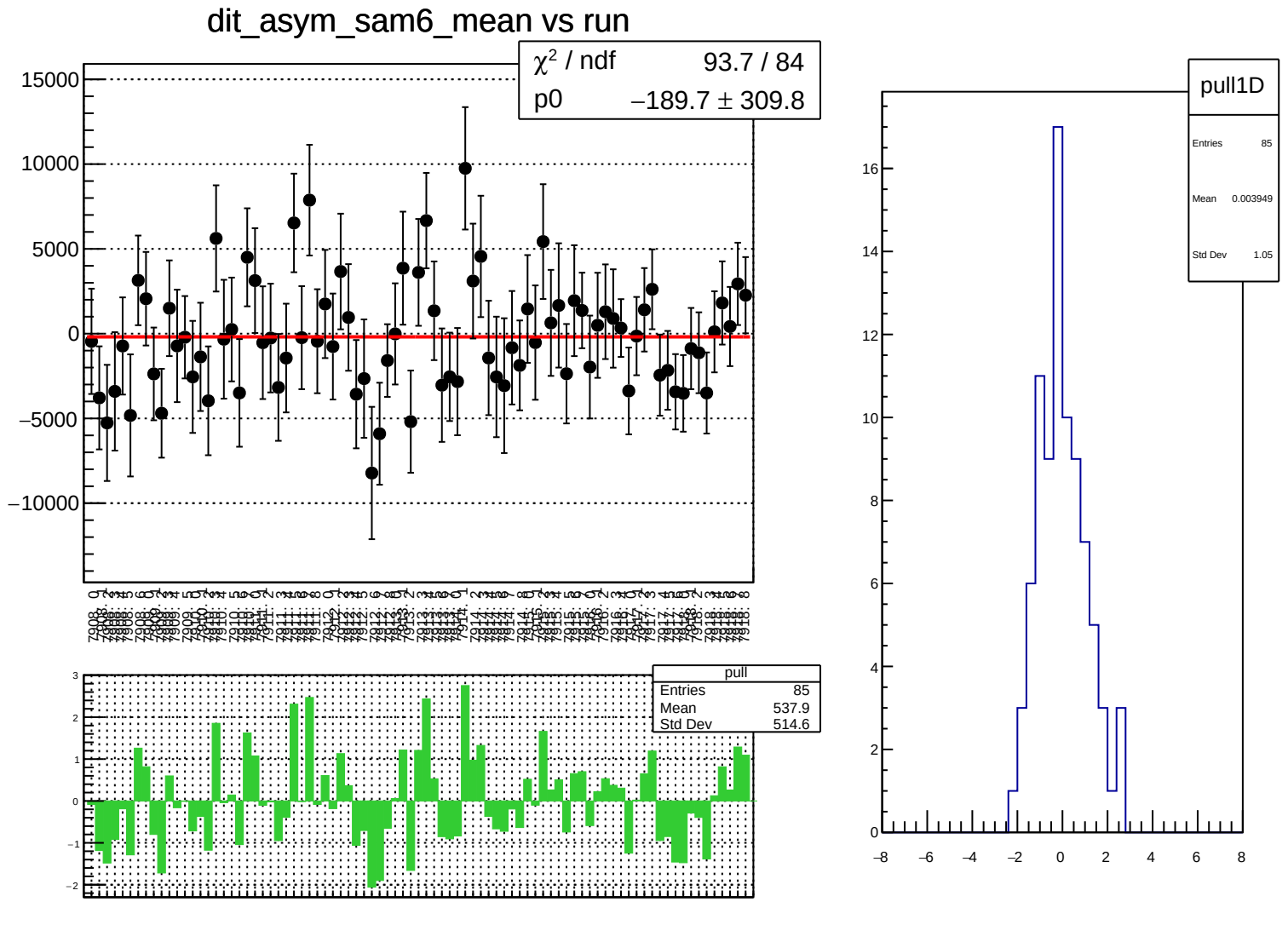

asym_sam5_correction_mean vs run
χ² / ndf 64.57 / 84
p0 −311.5 ± 1111
pull
Entries 85
Mean −237.6
Std Dev 246.5
pull1D
Entries 85
Mean 0.007327
Std Dev 0.8715

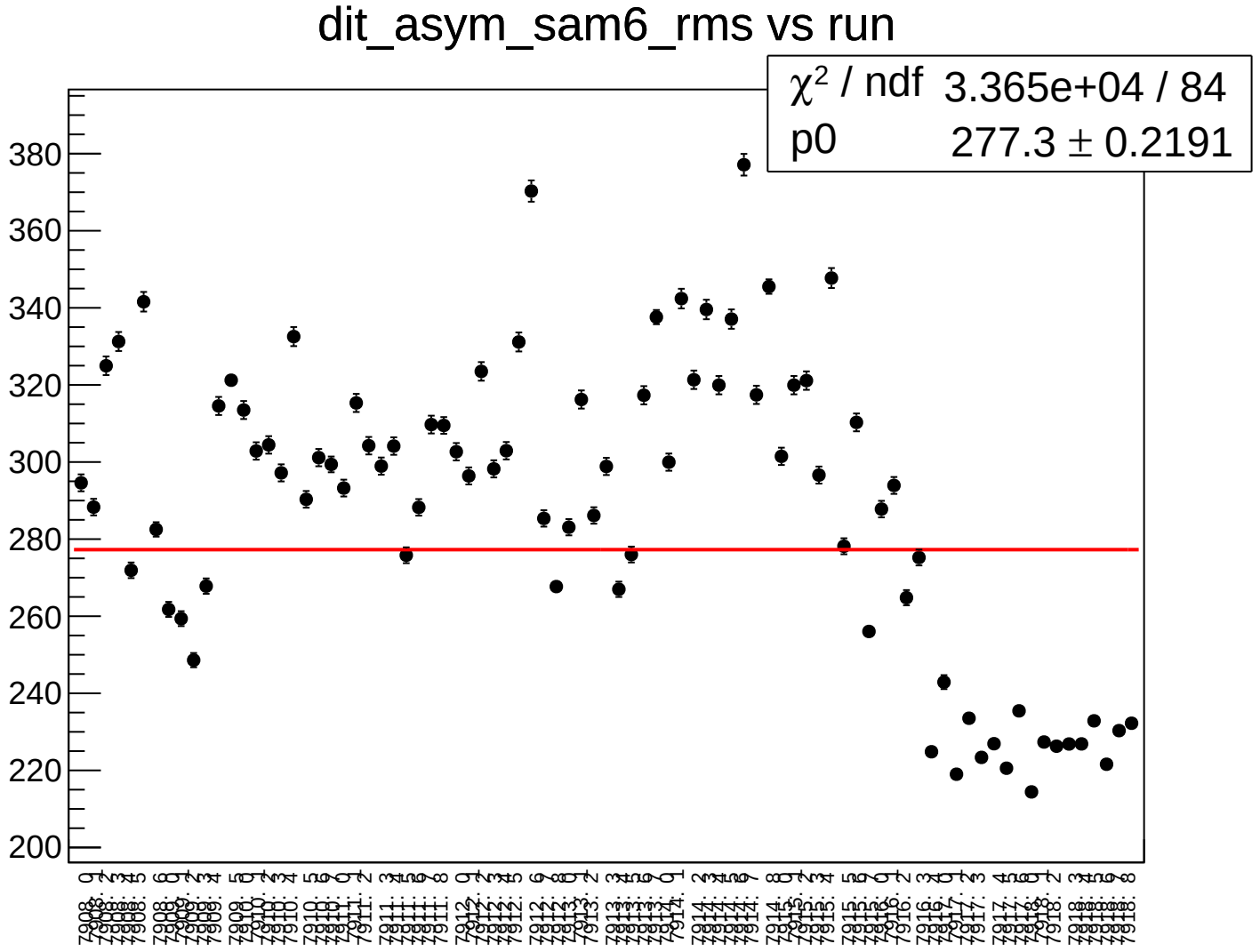
asym_sam5_correction_rms vs run

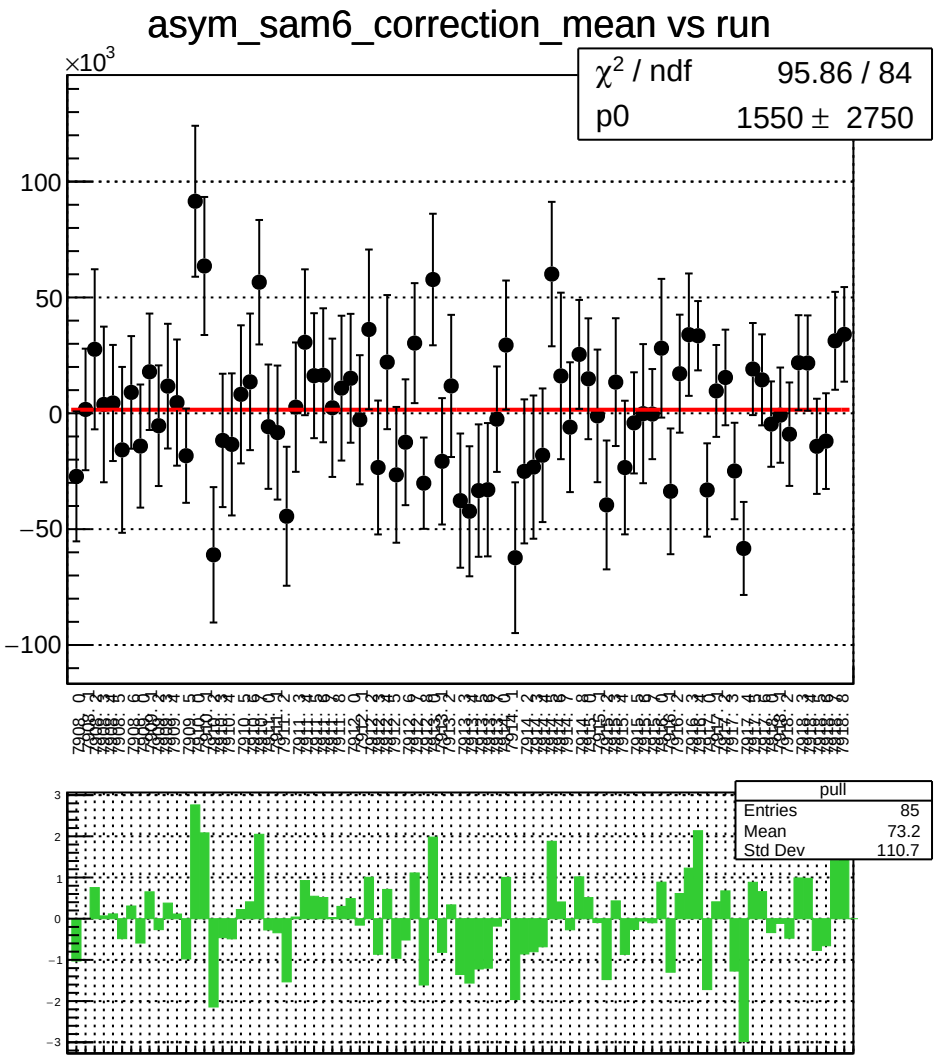


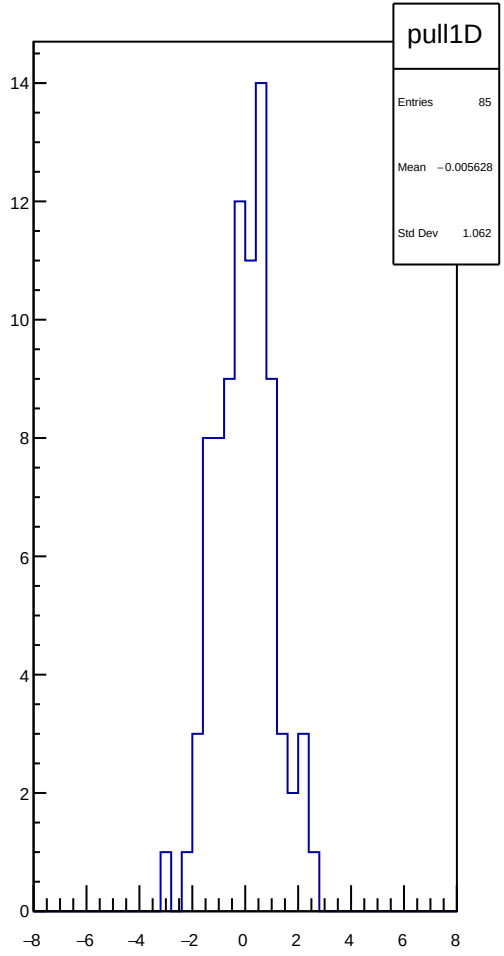

asym_sam5_mean vs run
χ² / ndf 68.02 / 84
p0 332.2 ± 1122
pull
Entries 85
Mean −432.2
Std Dev 448
pull1D
Entries 85
Mean −0.005338
Std Dev 0.8946

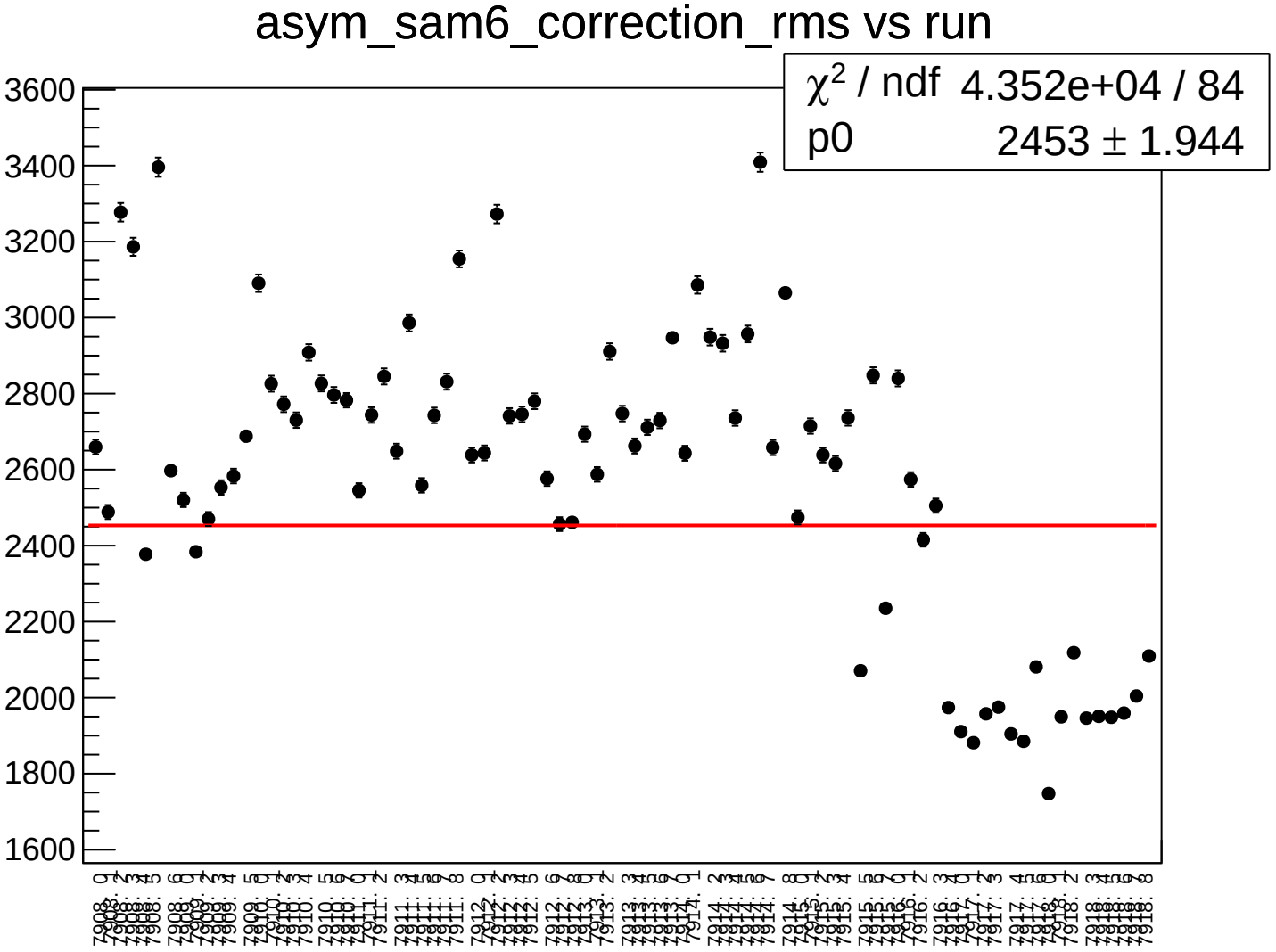

asym_sam5_rms vs run
χ^2 / ndf 2.935e+04 / 84
p0 1005 ± 0.7932
1500
1400
1300
1200
1100
1000
900
800
700

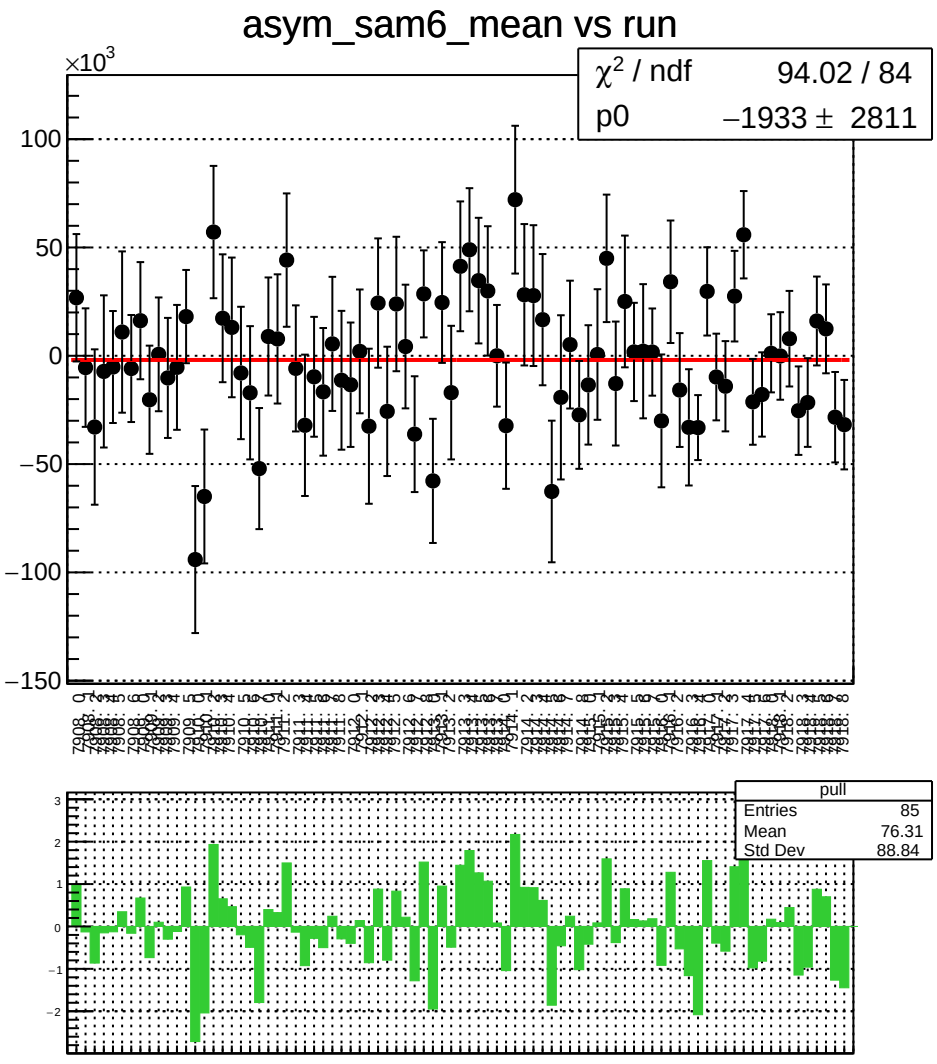

dit_asym_sam6_mean vs run
χ² / ndf 93.7 / 84
p0 −189.7 ± 309.8
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 537.9
Std Dev 514.6
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.003949
Std Dev 1.05
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

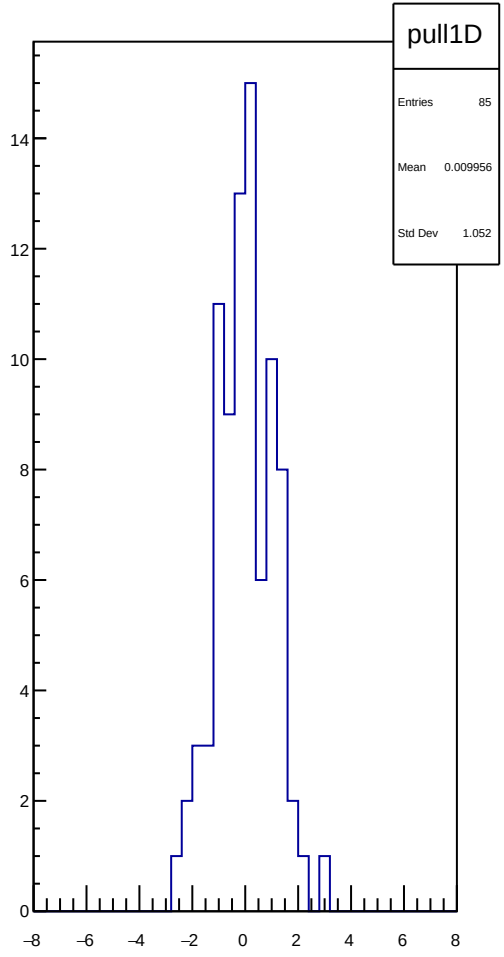

dit_asym_sam6_rms vs run
χ² / ndf 3.365e+04 / 84
p0 277.3 ± 0.2191
380
360
340
320
300
280
260
240
220
200

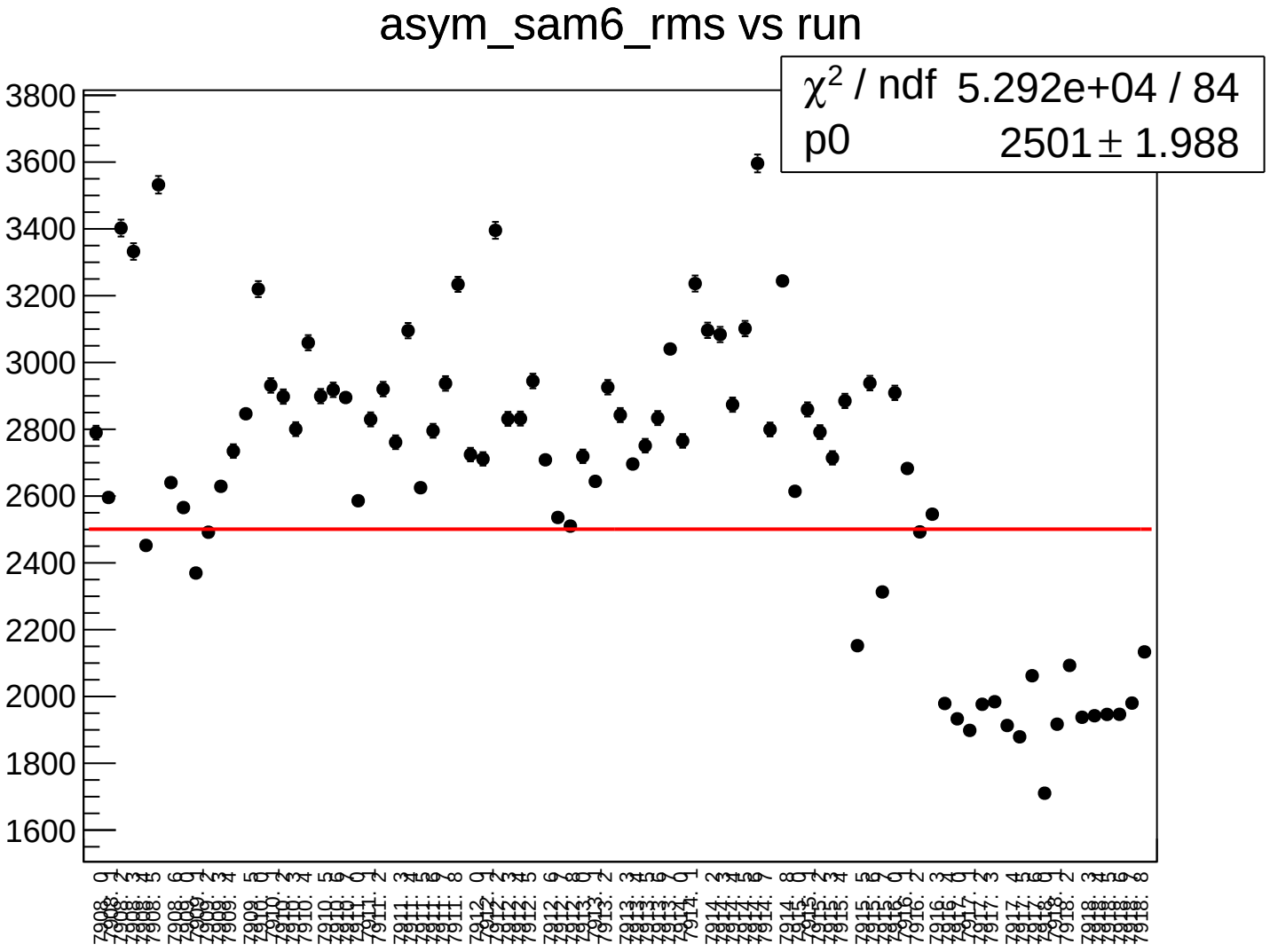

asym_sam6_correction_mean vs run
×10^3
χ^2 / ndf 95.86 / 84
p0 1550 ± 2750
100
50
0
−50
−100
pull
Entries 85
Mean 73.2
Std Dev 110.7
3
2
1
0
−1
−2
−3

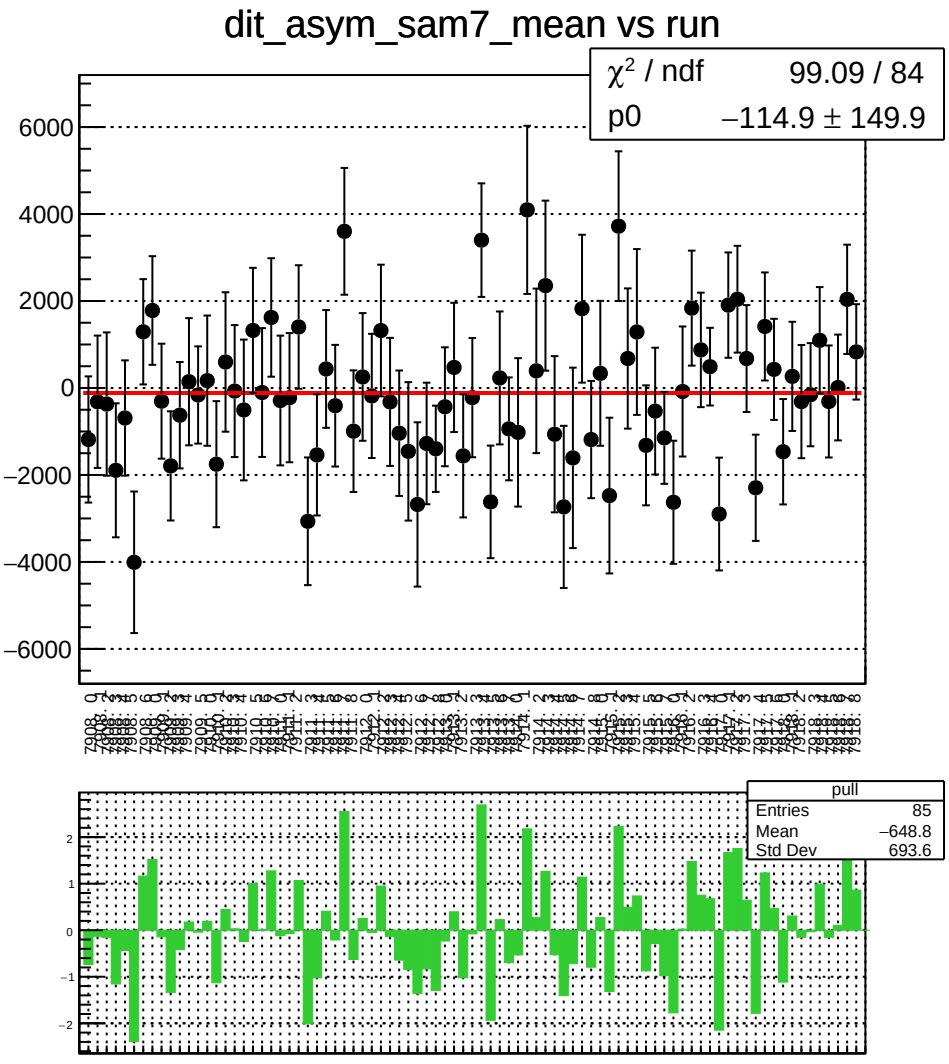

pull1D
Entries 85
Mean −0.005628
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

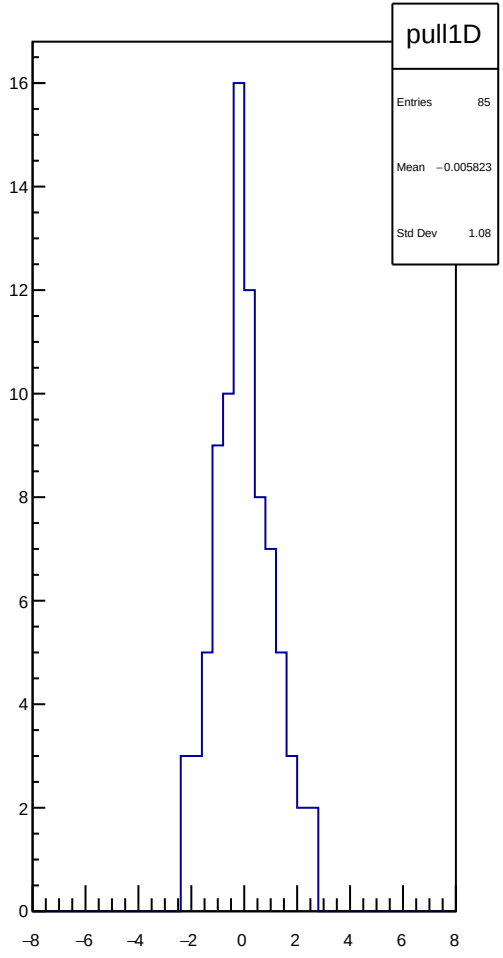

asym_sam6_correction_rms vs run
χ^2 / ndf 4.352e+04 / 84
p0 2453 ± 1.944
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600


asym_sam6_mean vs run
×10^3
χ² / ndf 94.02 / 84
p0 −1933 ± 2811
pull
Entries 85
Mean 76.31
Std Dev 88.84

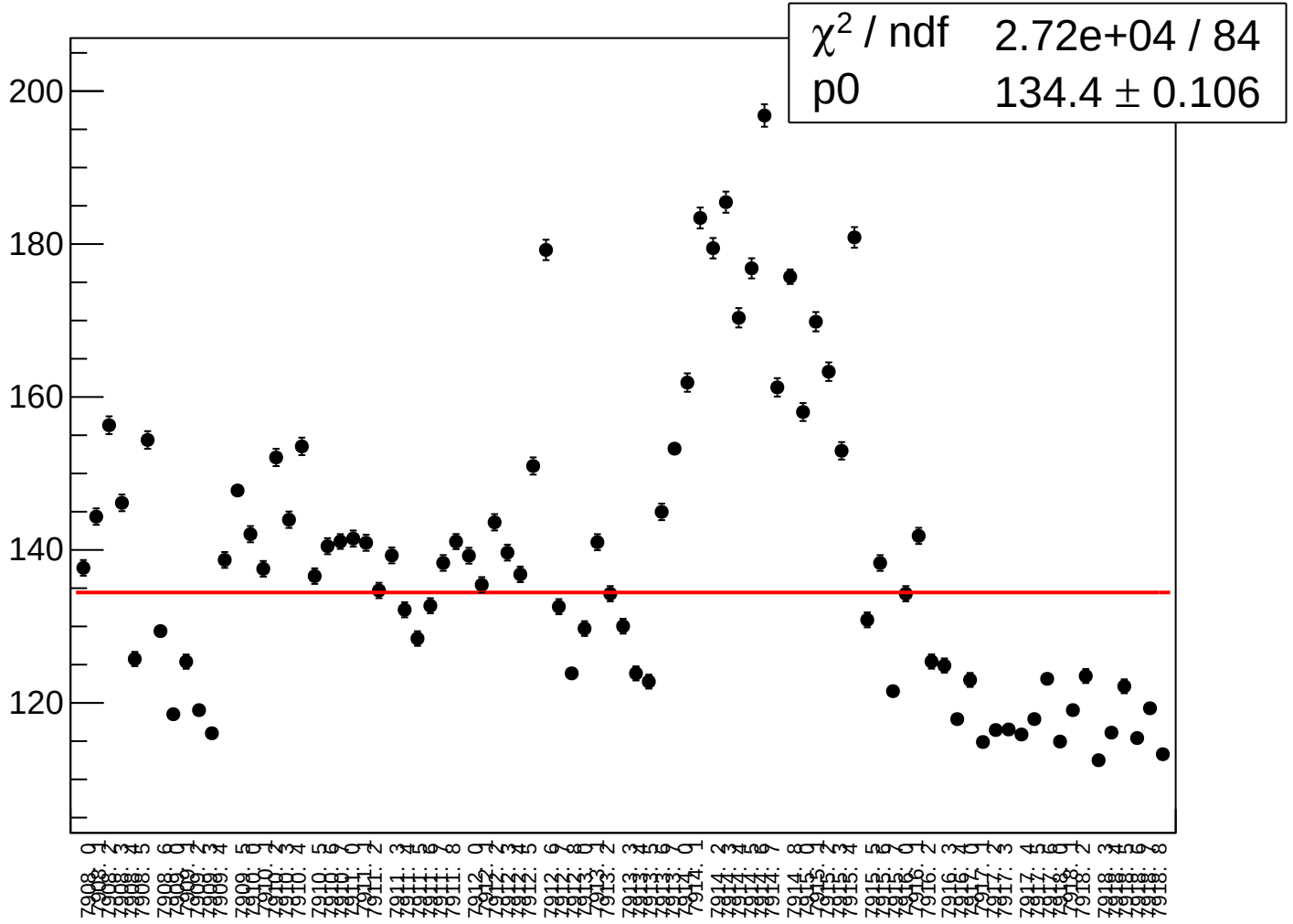

pull1D
Entries 85
Mean 0.009956
Std Dev 1.052

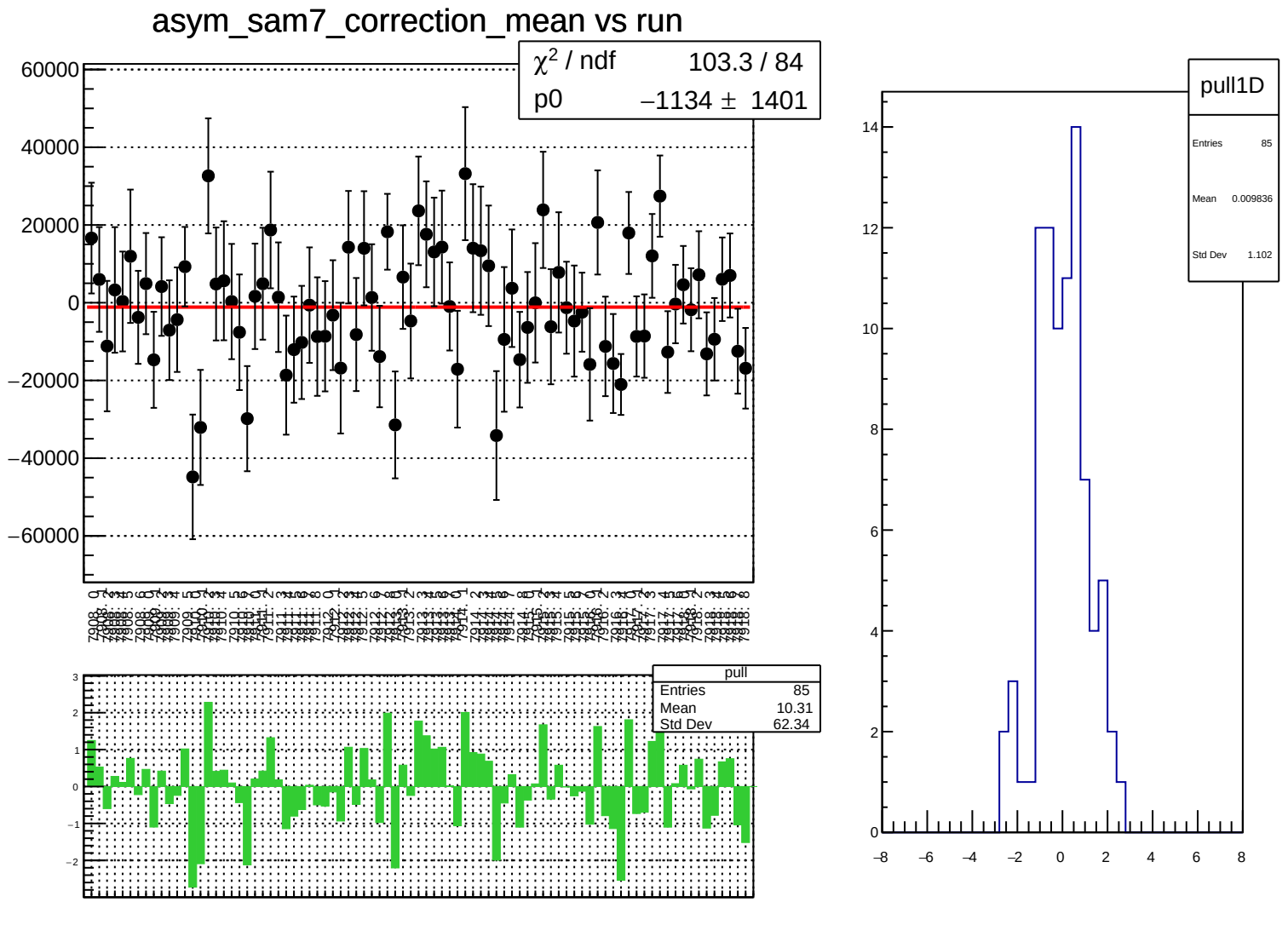

asym_sam6_rms vs run
χ^2 / ndf 5.292e+04 / 84
p0 2501 ± 1.988
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600


dit_asym_sam7_mean vs run
χ² / ndf 99.09 / 84
p0 −114.9 ± 149.9
pull
Entries 85
Mean −648.8
Std Dev 693.6

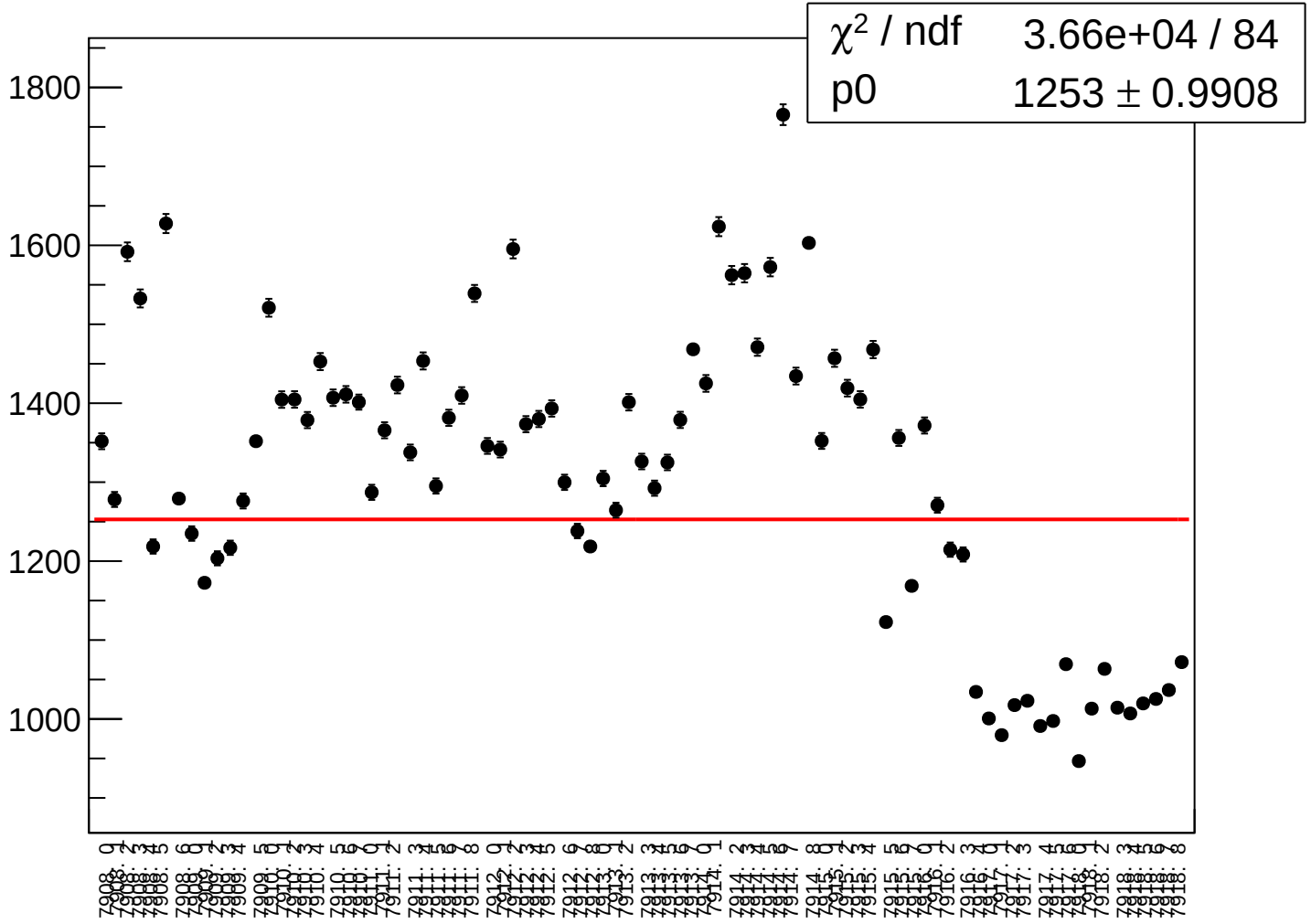

pull1D
Entries 85
Mean −0.005823
Std Dev 1.08

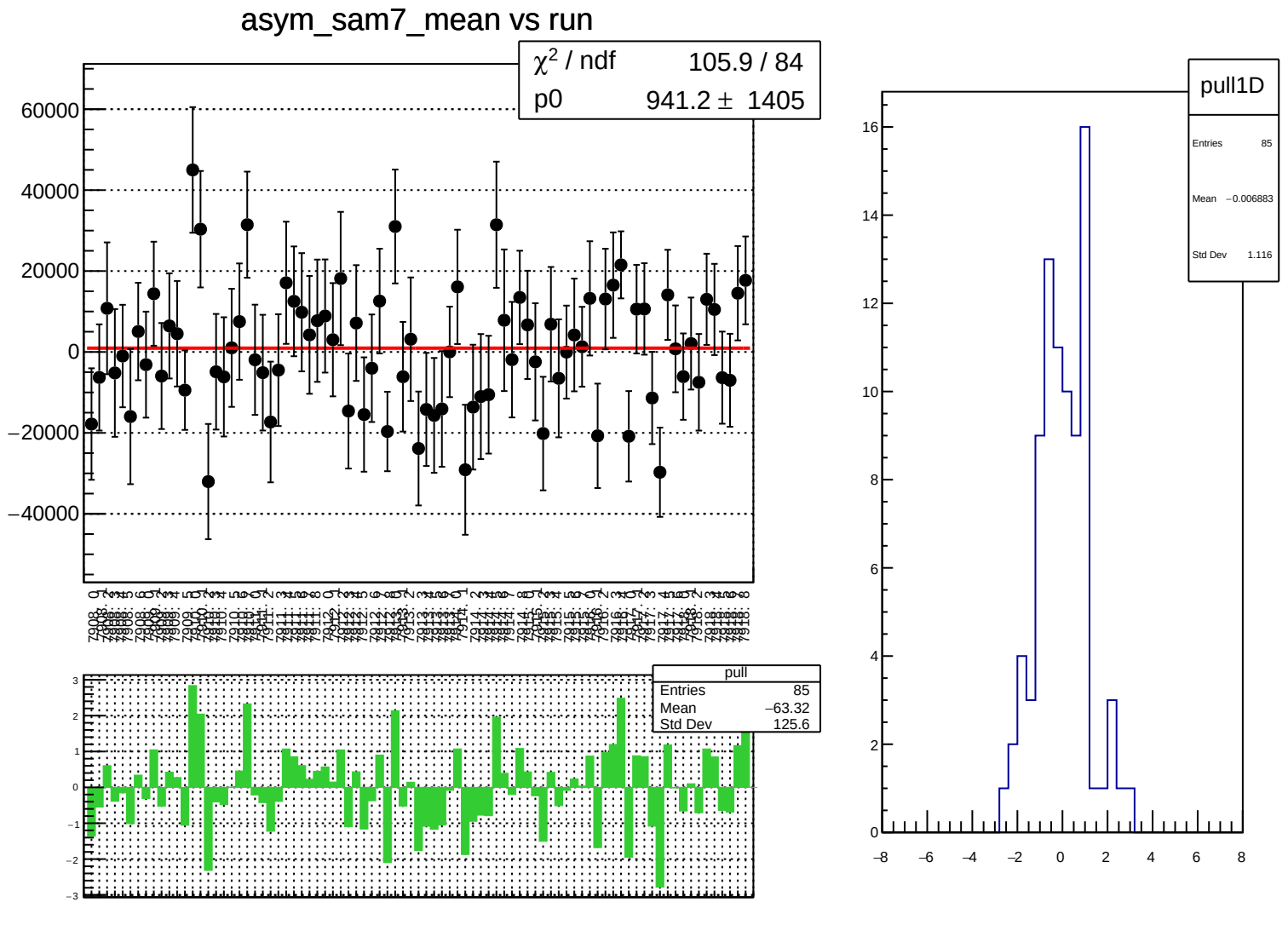
dit_asym_sam7_rms vs run



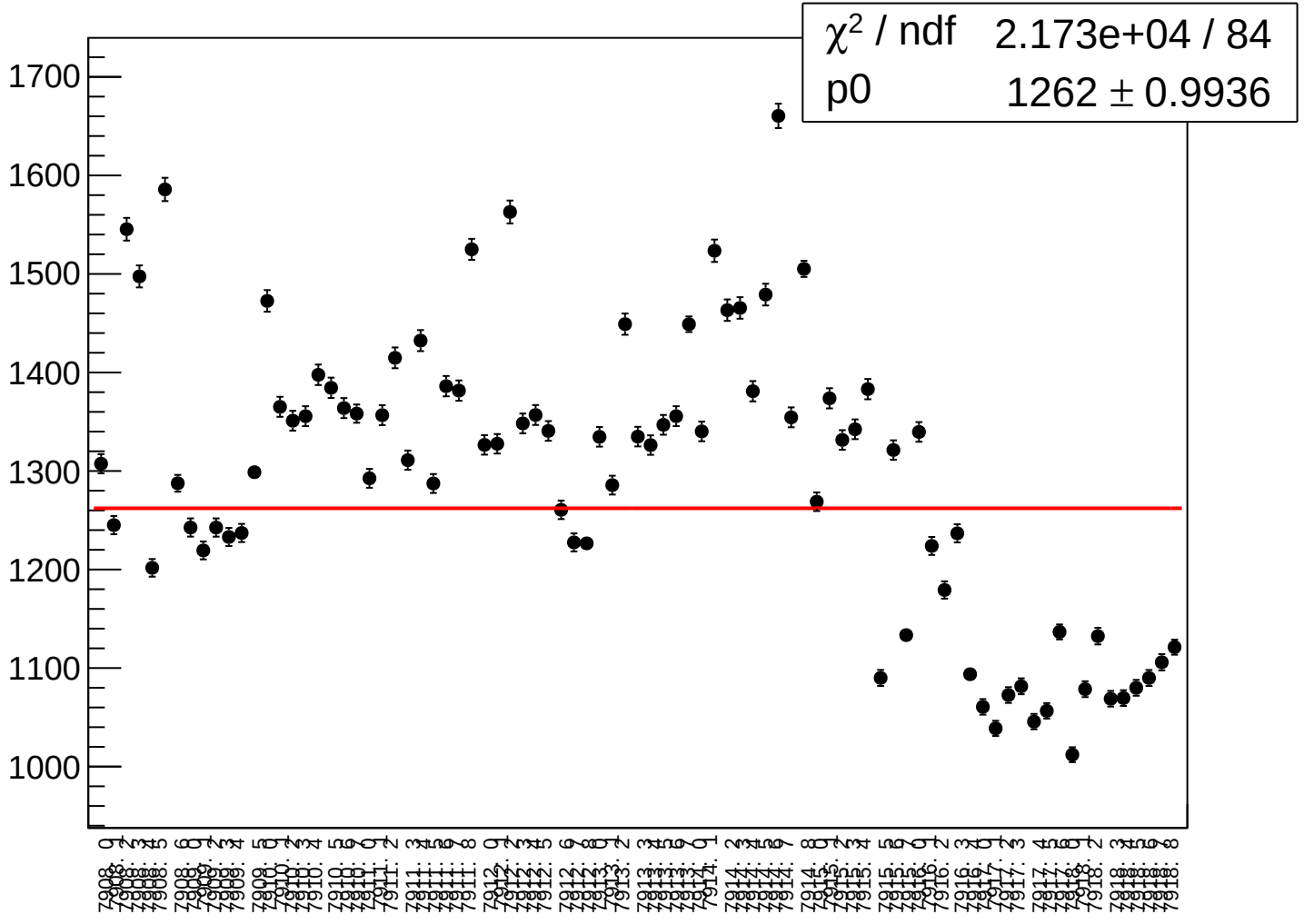

asym_sam7_correction_mean vs run
χ² / ndf 103.3 / 84
p0 −1134 ± 1401
pull
Entries 85
Mean 10.31
Std Dev 62.34
pull1D
Entries 85
Mean 0.009836
Std Dev 1.102

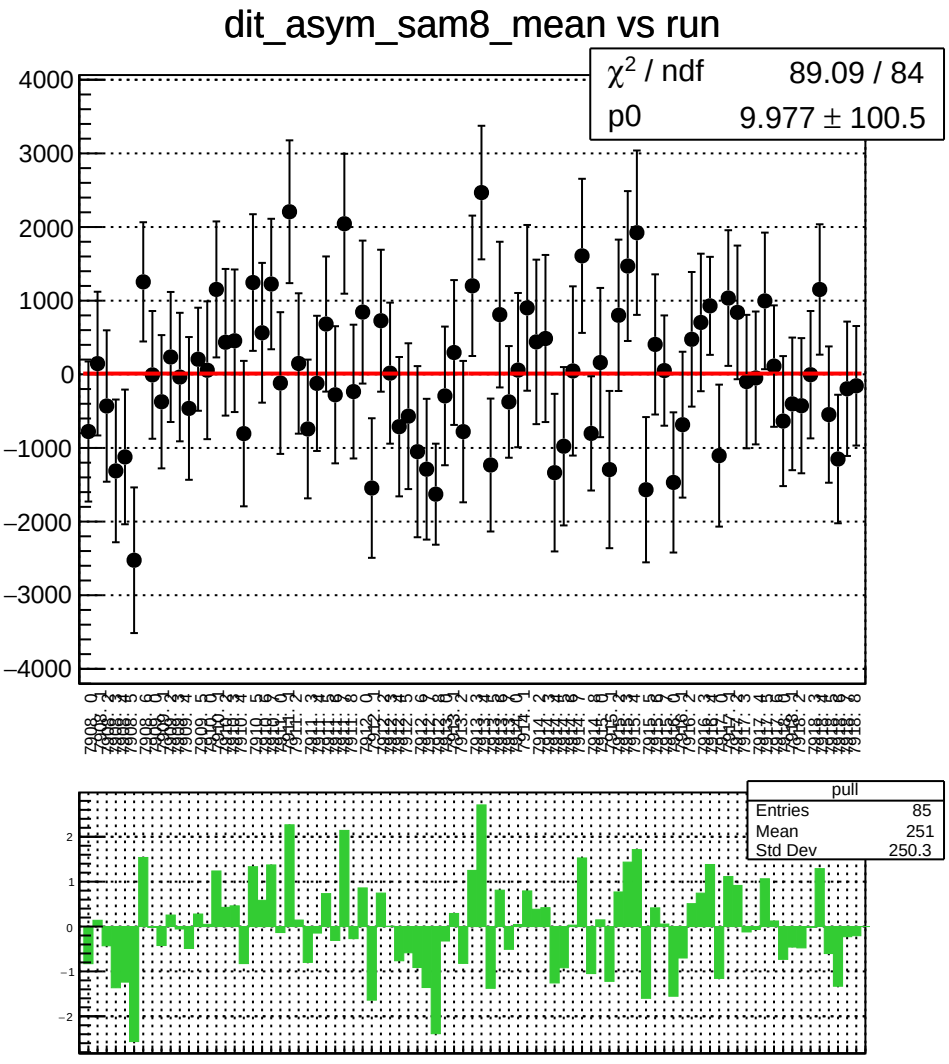
asym_sam7_correction_rms vs run

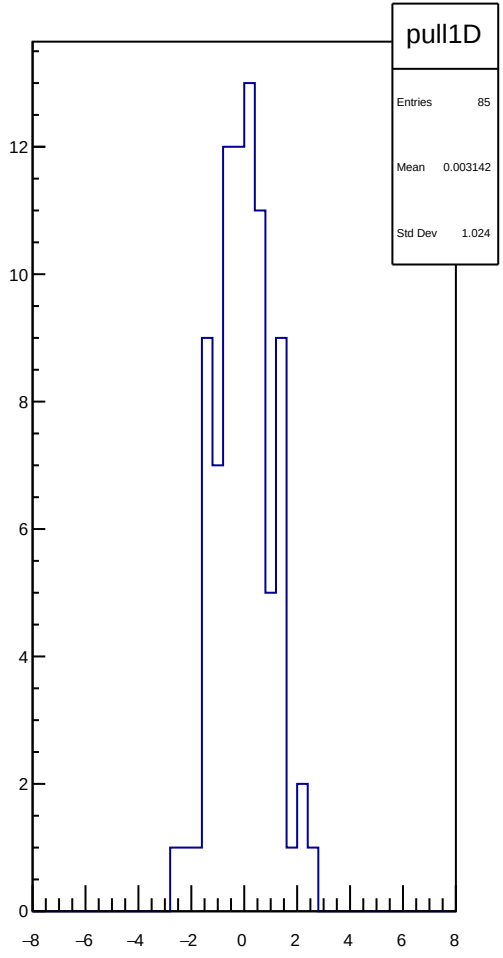



asym_sam7_mean vs run
χ² / ndf 105.9 / 84
p0 941.2 ± 1405
60000
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −63.32
Std Dev 125.6
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.006883
Std Dev 1.116
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

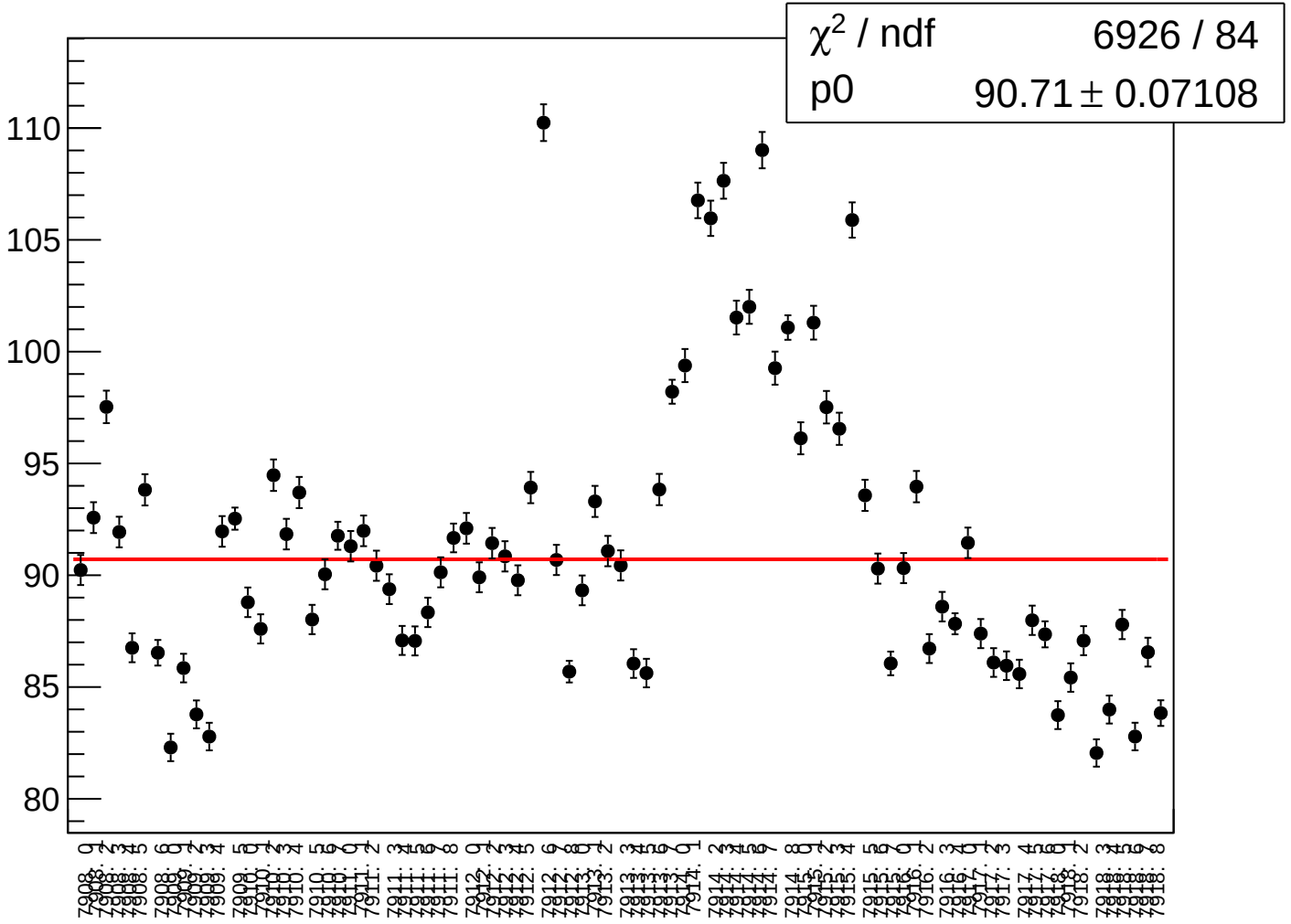
asym_sam7_rms vs run

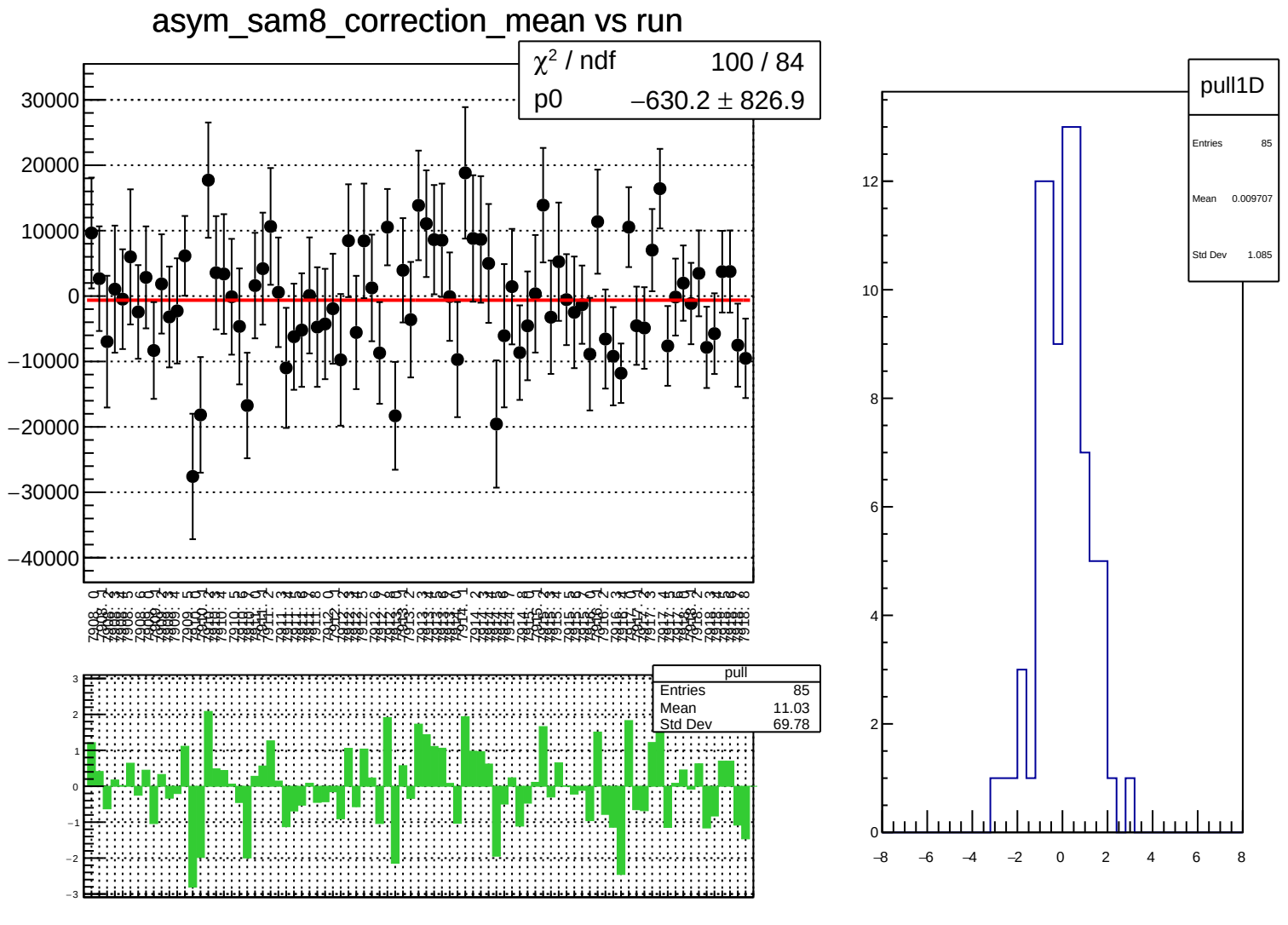



dit_asym_sam8_mean vs run
χ² / ndf 89.09 / 84
p0 9.977 ± 100.5
pull
Entries 85
Mean 251
Std Dev 250.3

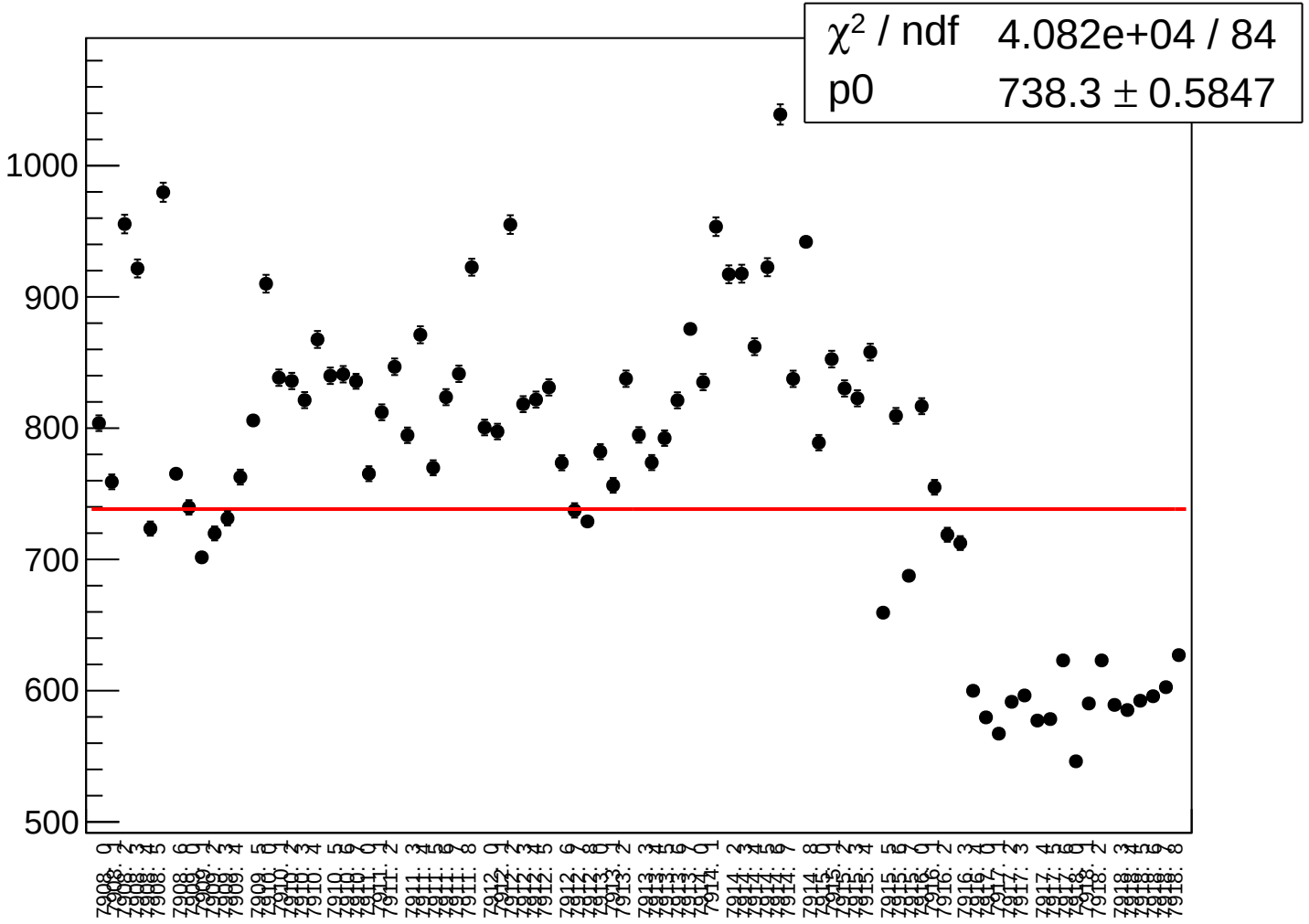

pull1D
Entries 85
Mean 0.003142
Std Dev 1.024

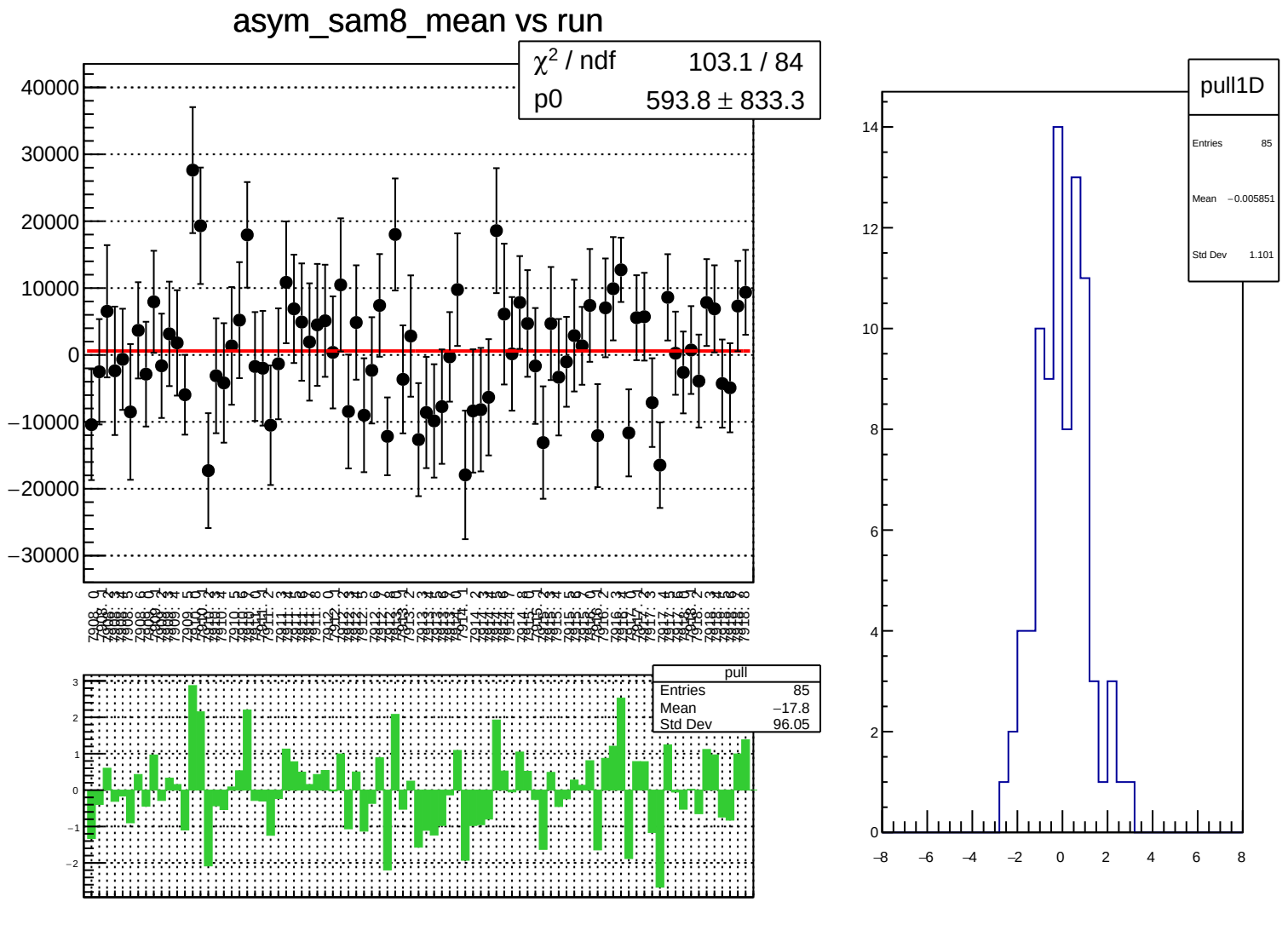
dit_asym_sam8_rms vs run

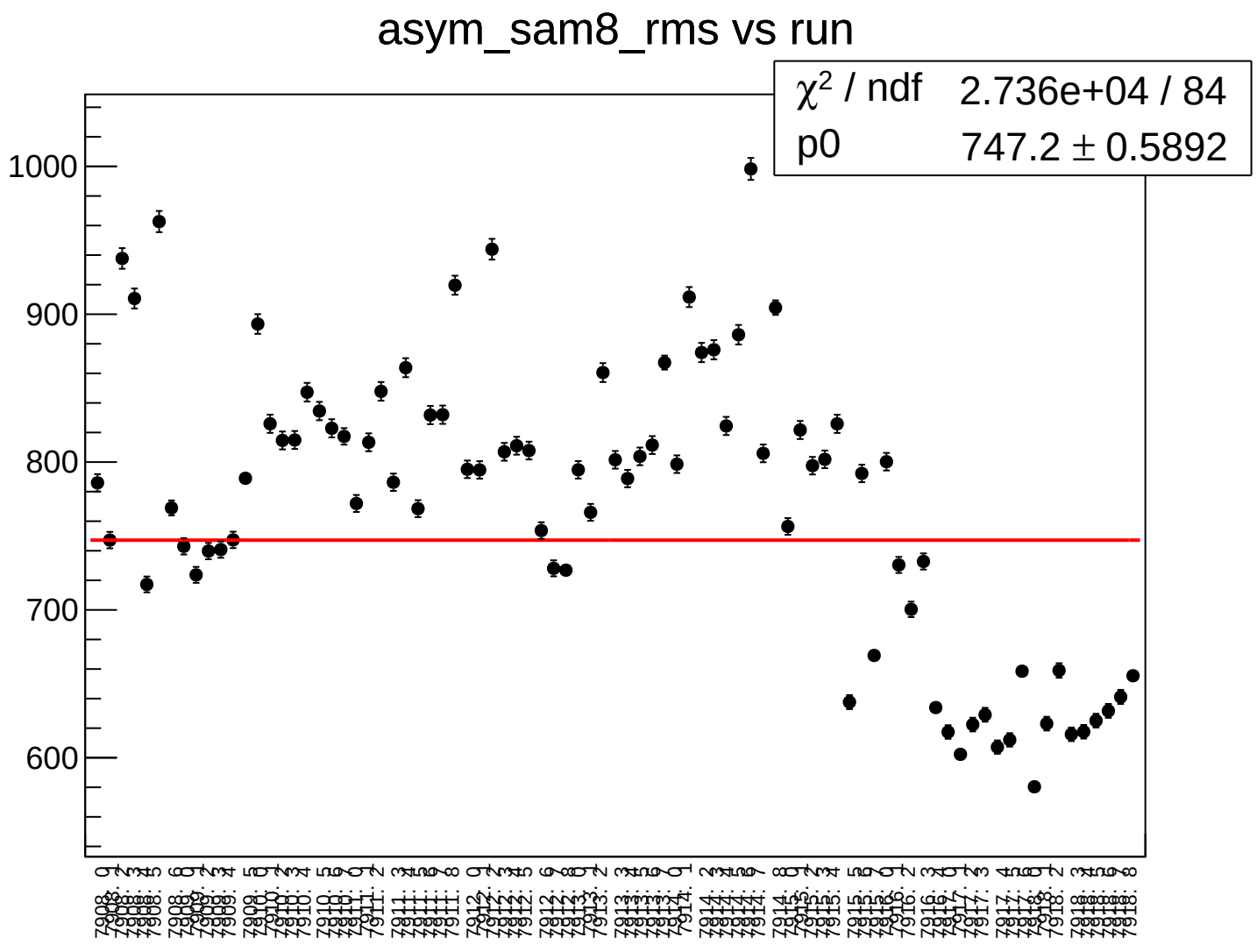


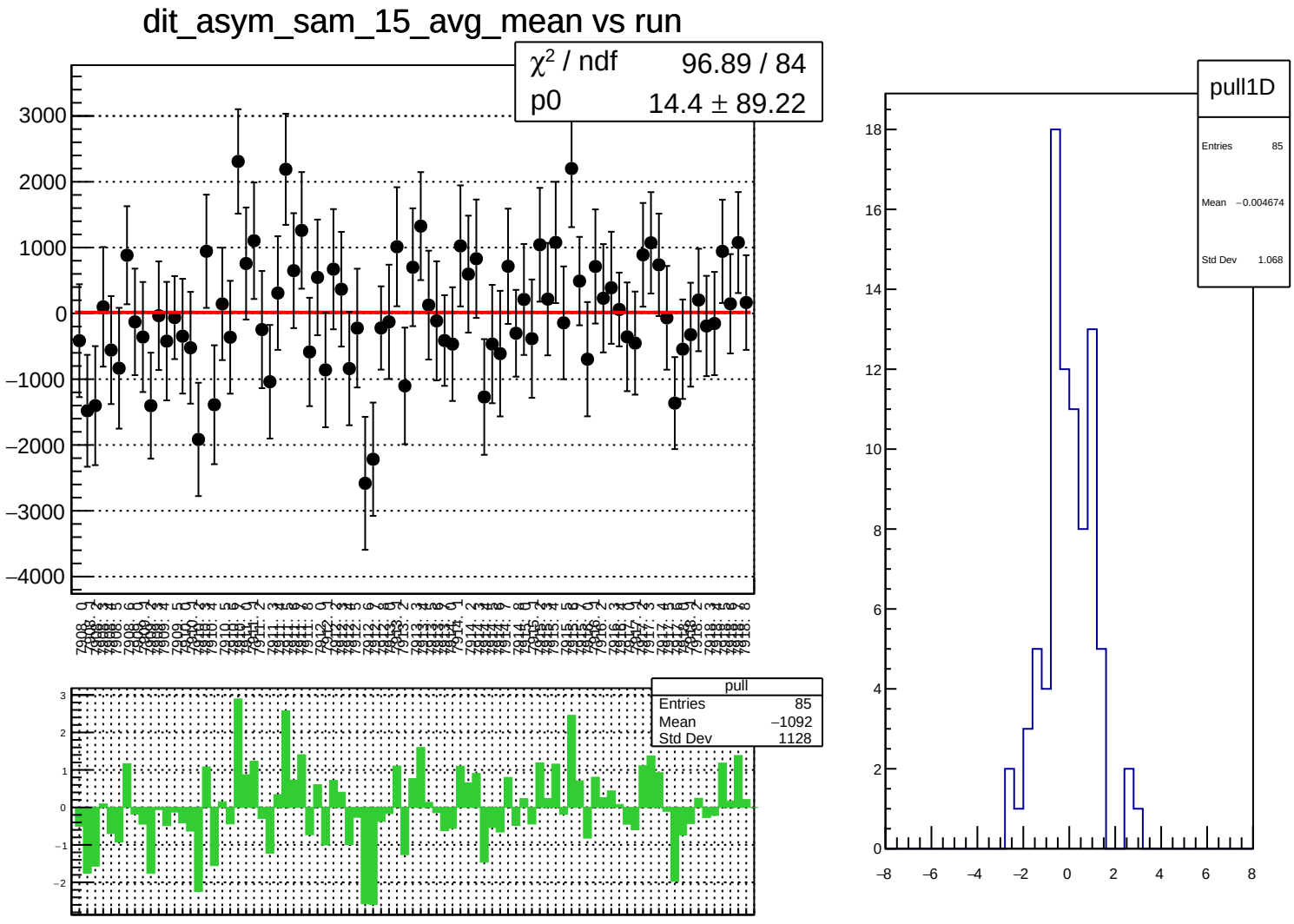

asym_sam8_correction_mean vs run
χ² / ndf 100 / 84
p0 −630.2 ± 826.9
pull
Entries 85
Mean 11.03
Std Dev 69.78
pull1D
Entries 85
Mean 0.009707
Std Dev 1.085

asym_sam8_correction_rms vs run

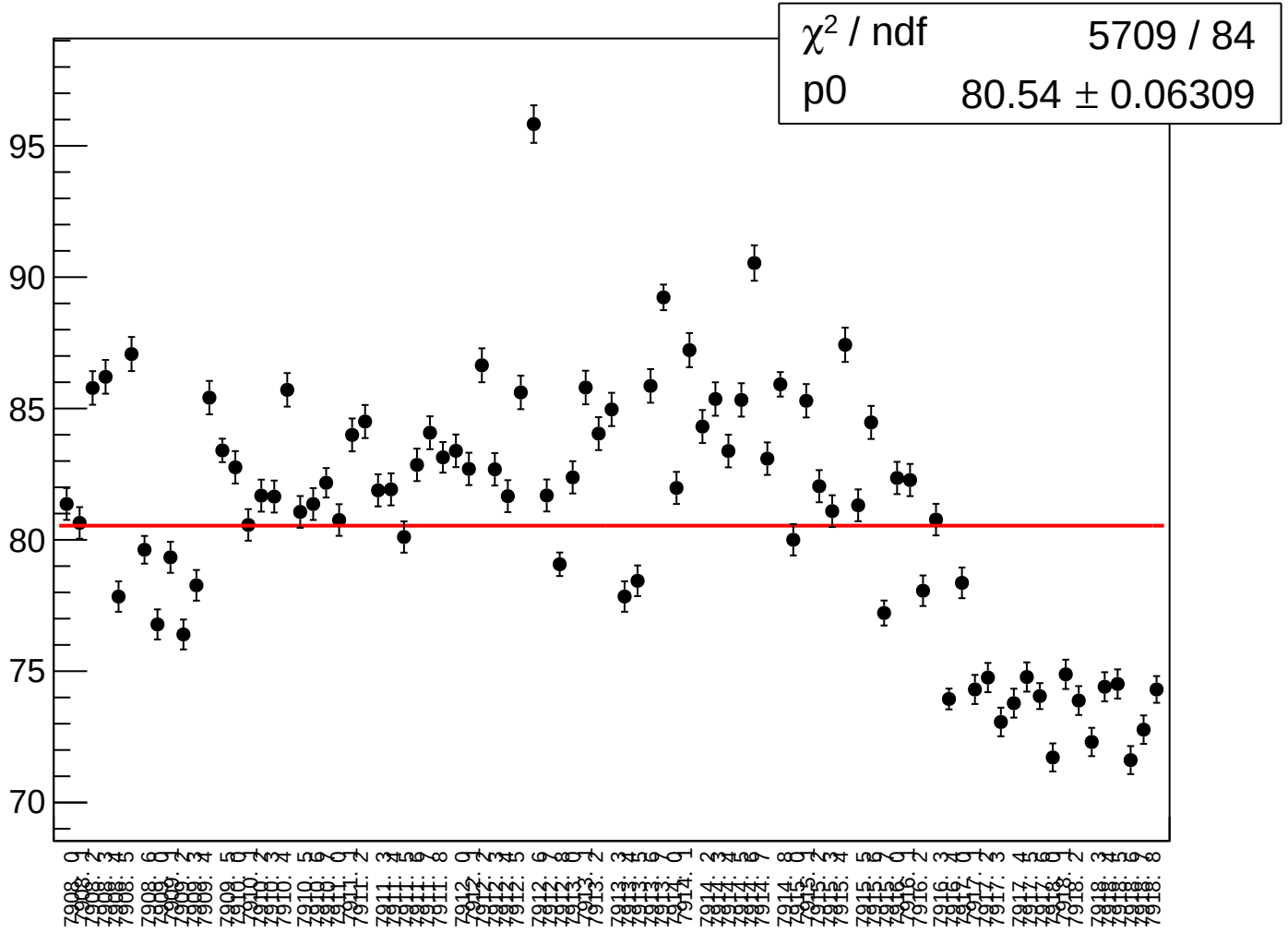


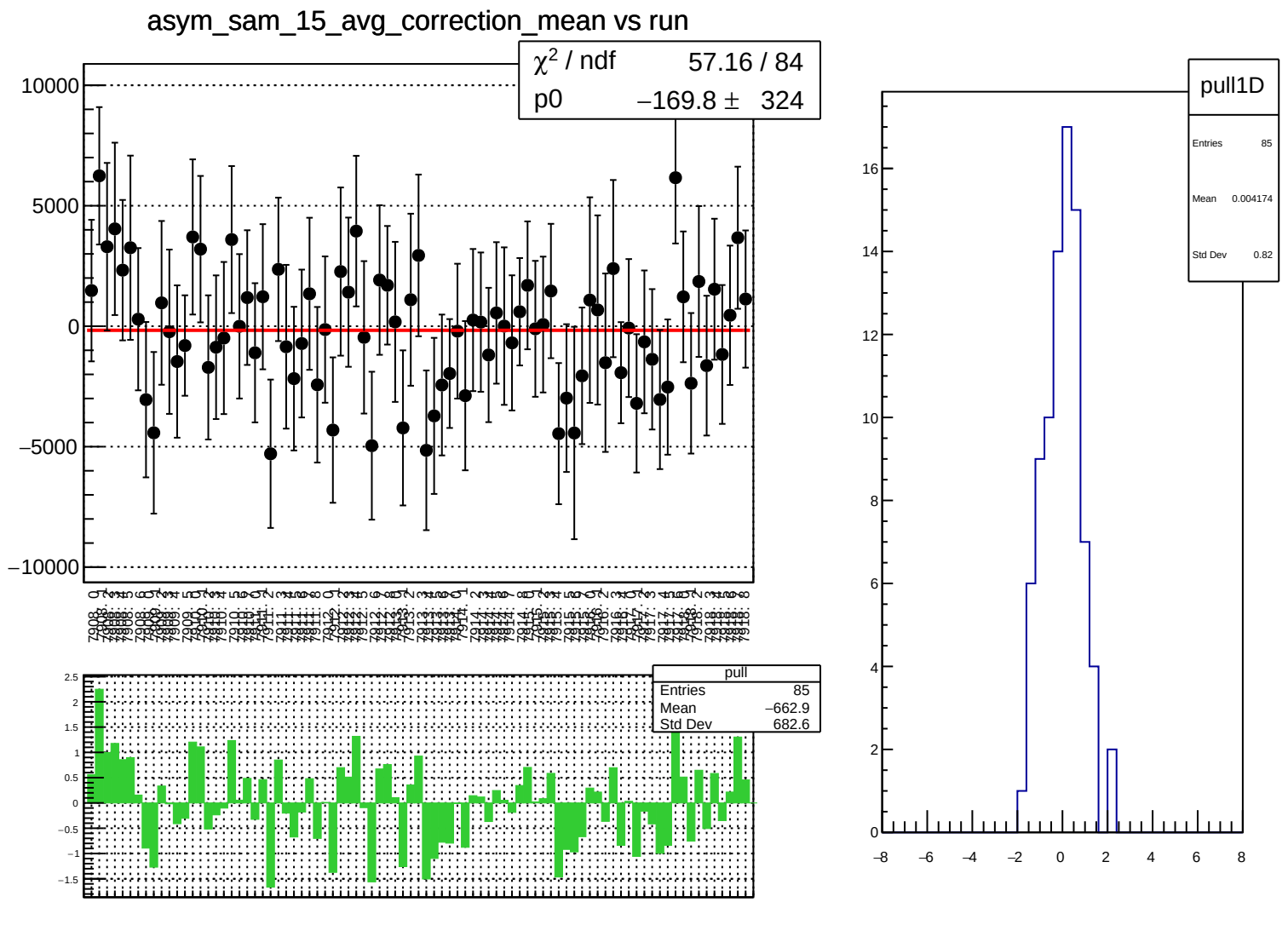

asym_sam8_mean vs run
χ^2 / ndf 103.1 / 84
p0 593.8 ± 833.3
pull
Entries 85
Mean −17.8
Std Dev 96.05
pull1D
Entries 85
Mean −0.005851
Std Dev 1.101


asym_sam8_rms vs run
χ^2 / ndf 2.736e+04 / 84
p0 747.2 ± 0.5892
1000
900
800
700
600

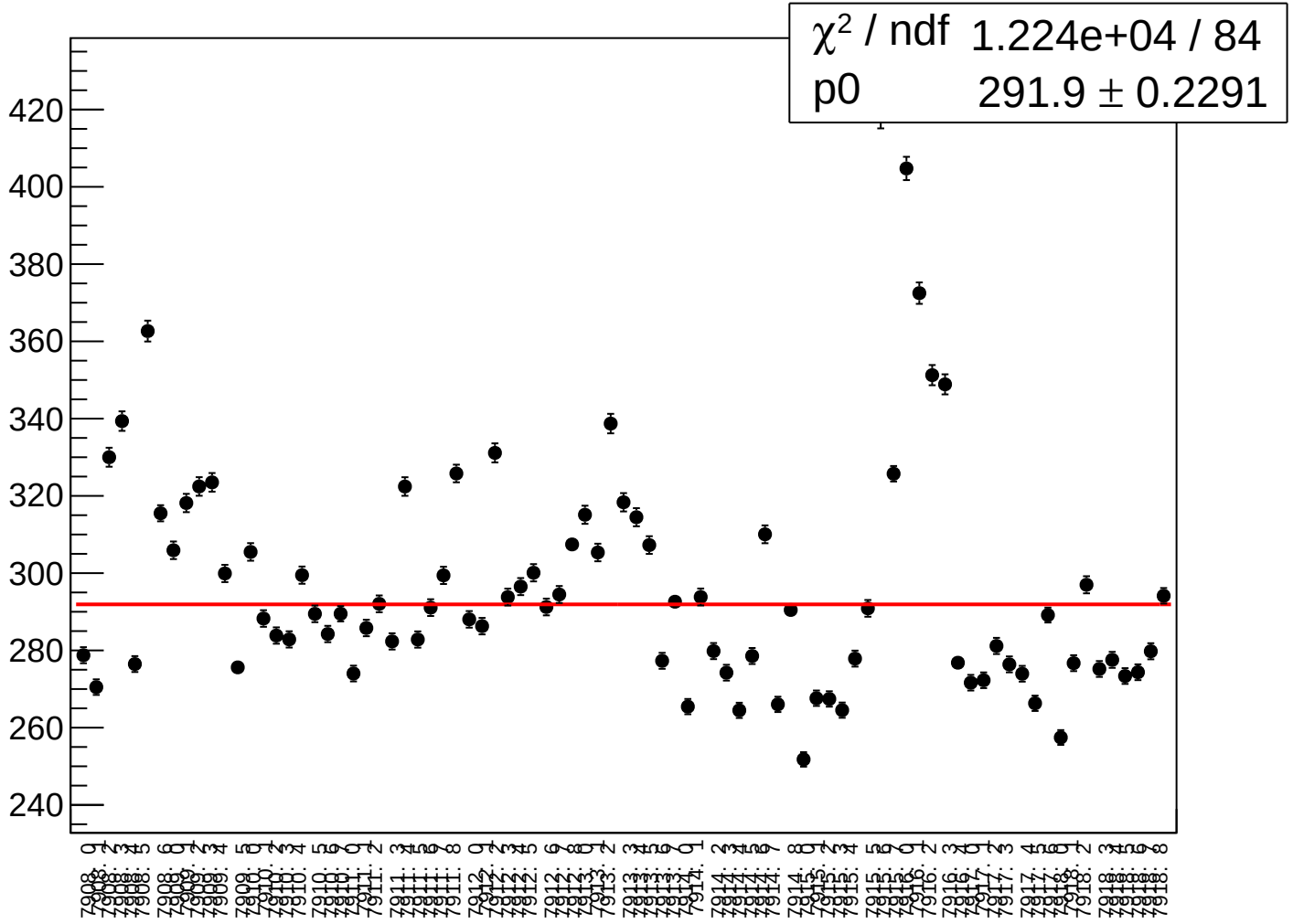

dit_asym_sam_15_avg_mean vs run
χ² / ndf 96.89 / 84
p0 14.4 ± 89.22
pull
Entries 85
Mean −1092
Std Dev 1128
pull1D
Entries 85
Mean −0.004674
Std Dev 1.068

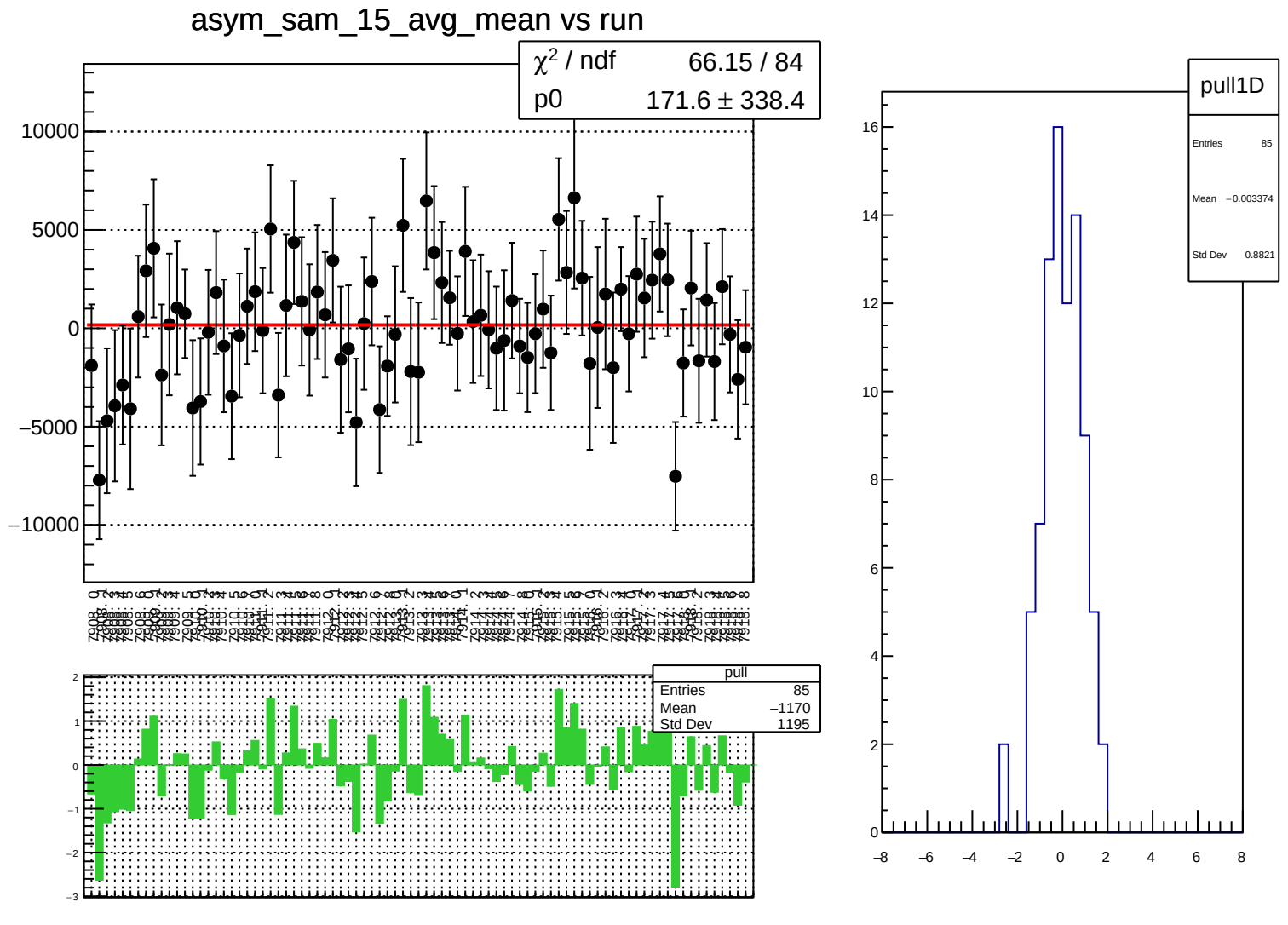
dit_asym_sam_15_avg_rms vs run



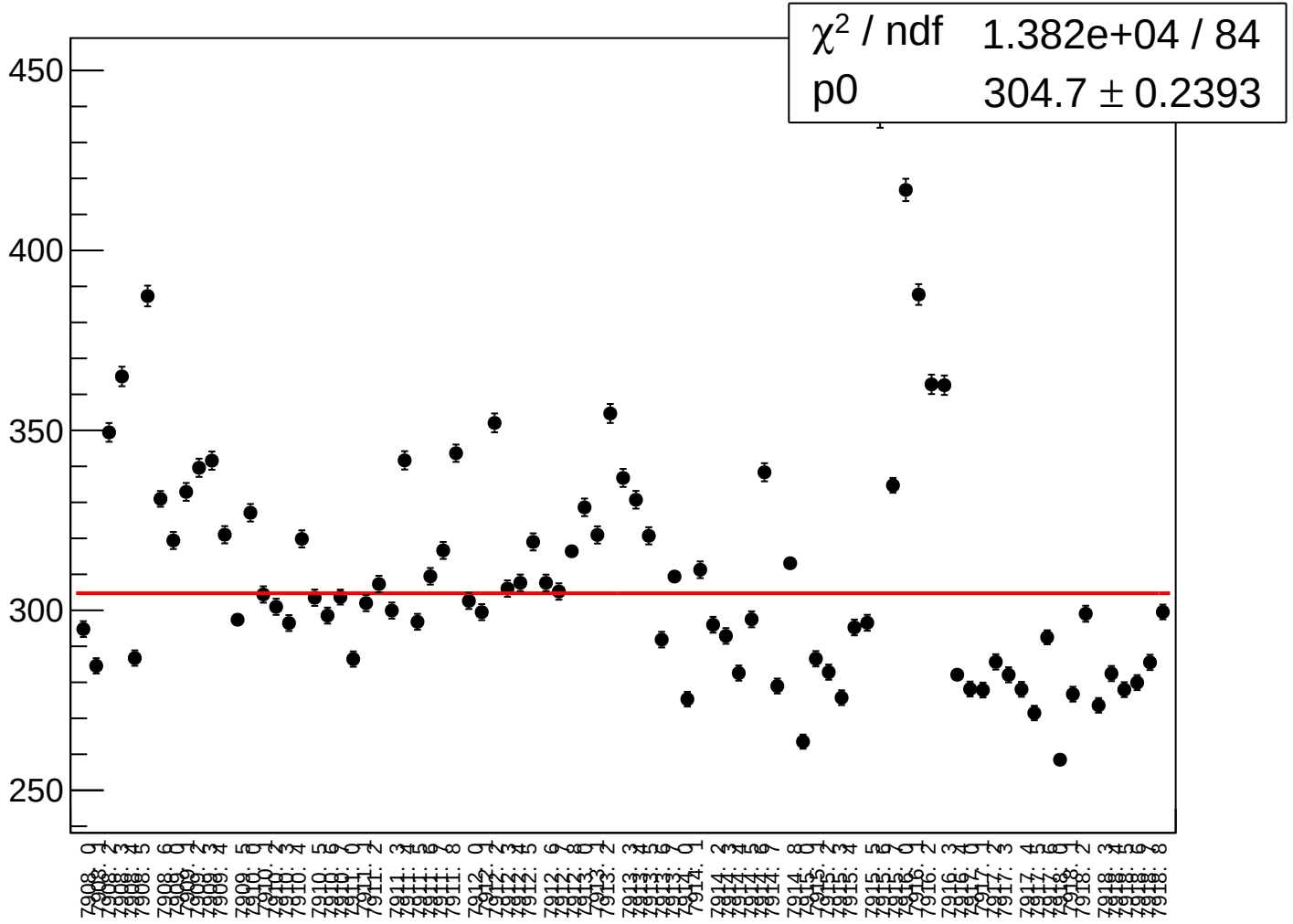

asym_sam_15_avg_correction_mean vs run
χ² / ndf 57.16 / 84
p0 −169.8 ± 324
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −662.9
Std Dev 682.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean 0.004174
Std Dev 0.82
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

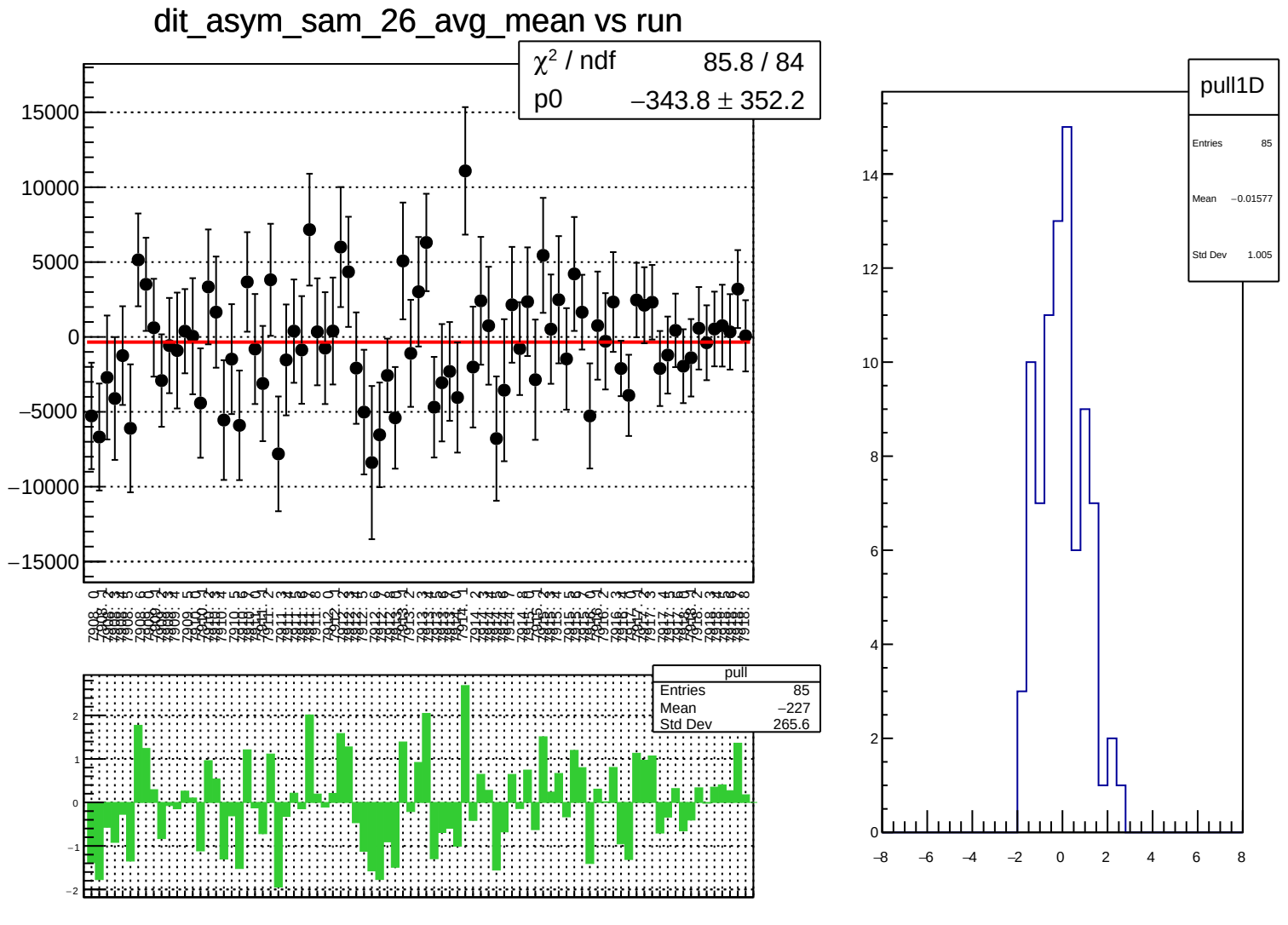
asym_sam_15_avg_correction_rms vs run



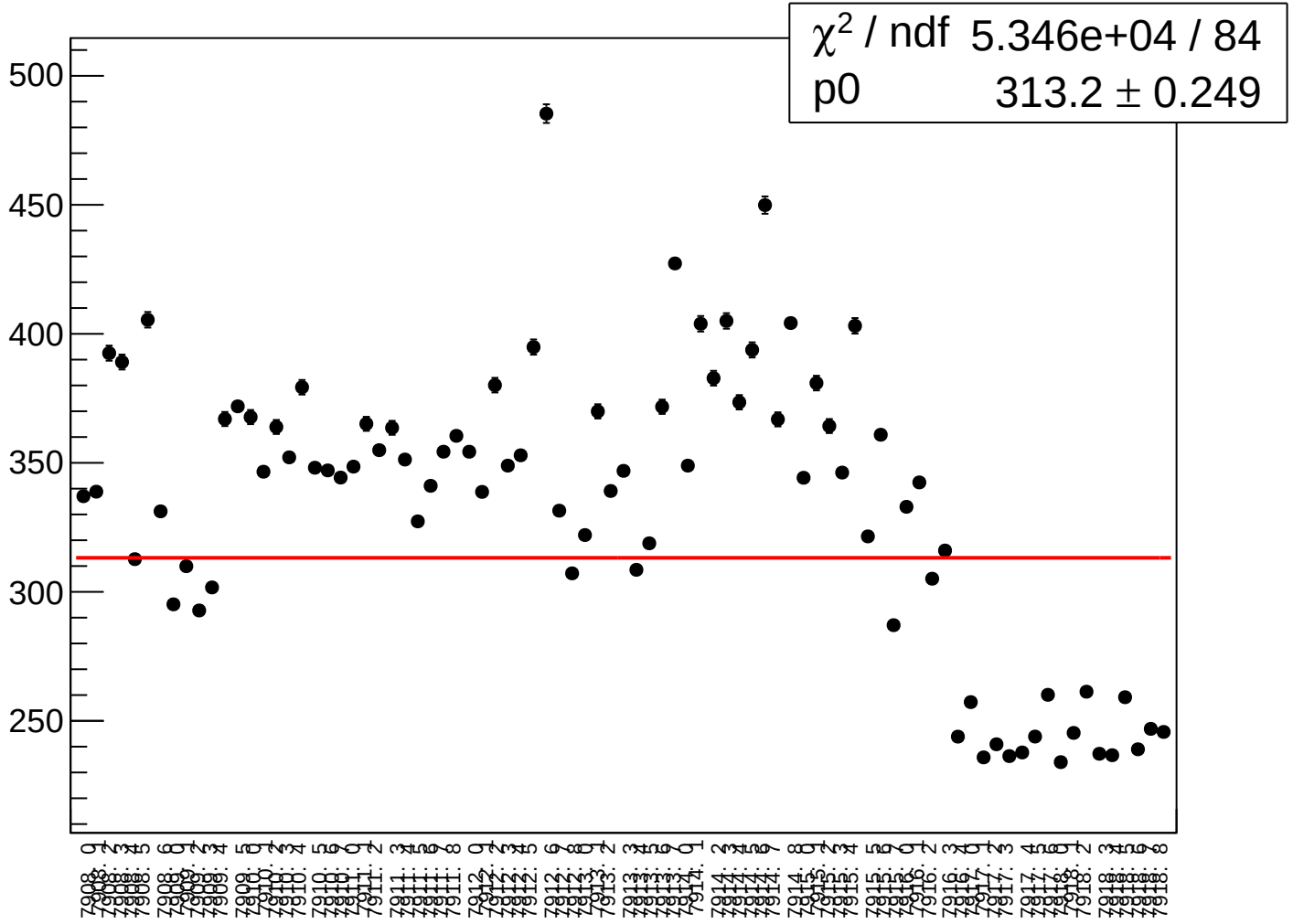

asym_sam_15_avg_mean vs run
χ² / ndf 66.15 / 84
p0 171.6 ± 338.4
pull
Entries 85
Mean −1170
Std Dev 1195
pull1D
Entries 85
Mean −0.003374
Std Dev 0.8821

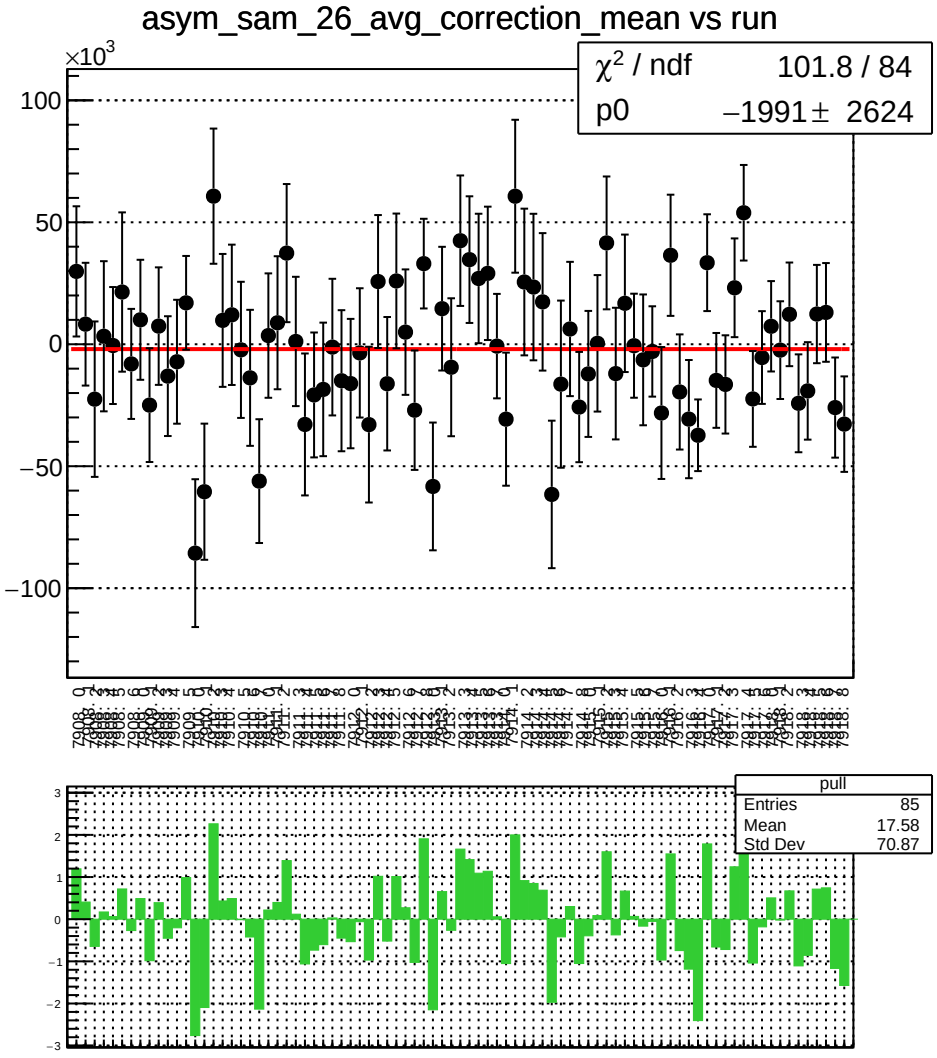
asym_sam_15_avg_rms vs run

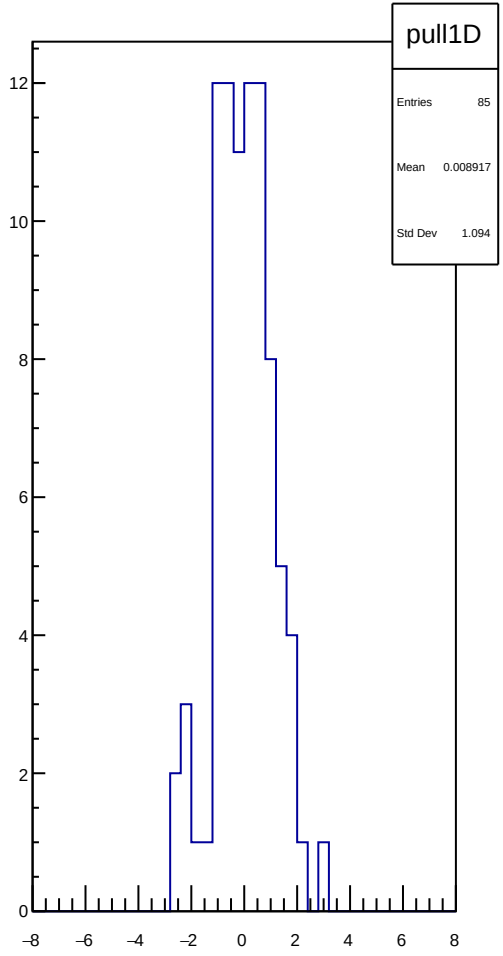



dit_asym_sam_26_avg_mean vs run
χ² / ndf 85.8 / 84
p0 −343.8 ± 352.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −227
Std Dev 265.6
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01577
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

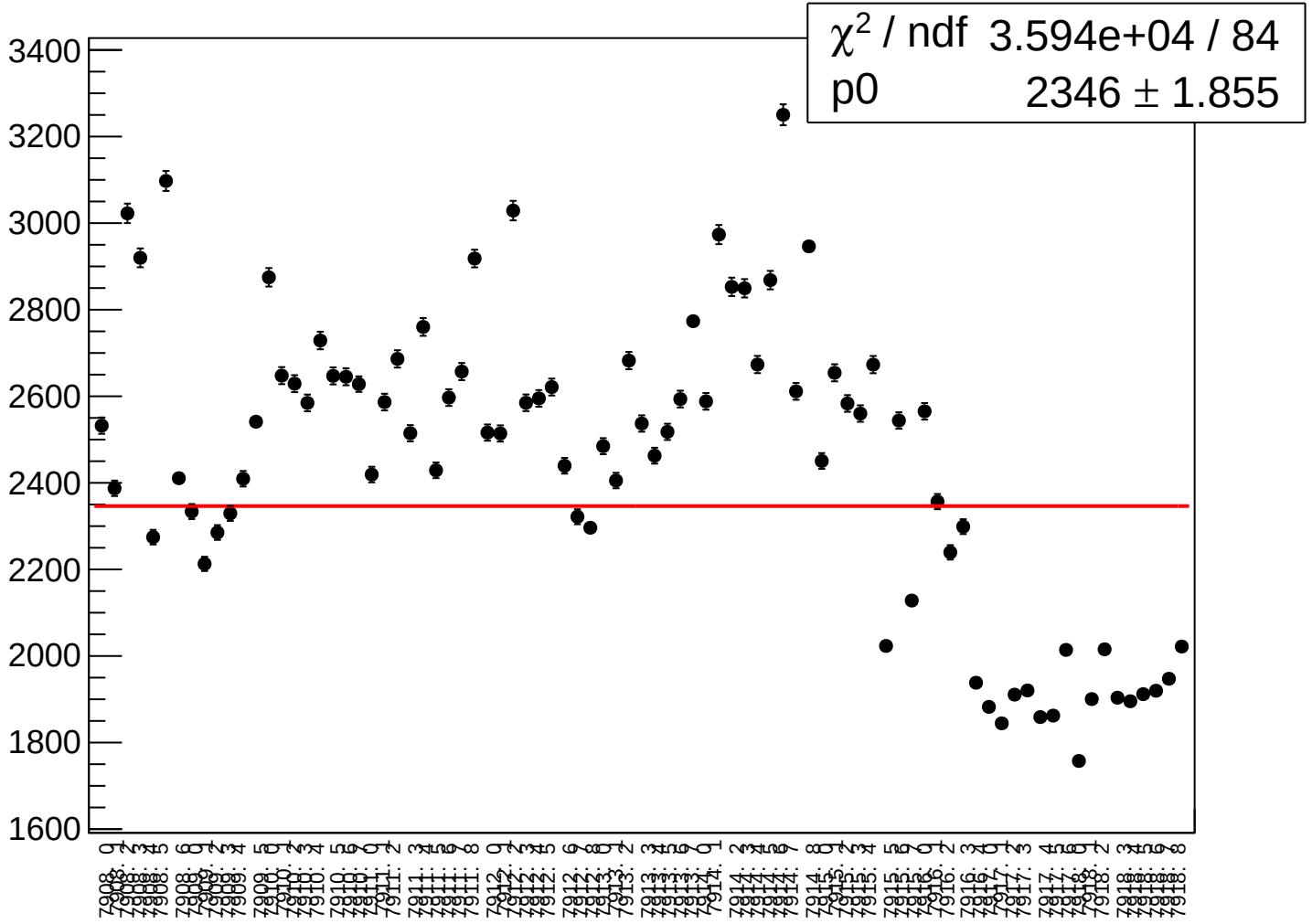
dit_asym_sam_26_avg_rms vs run

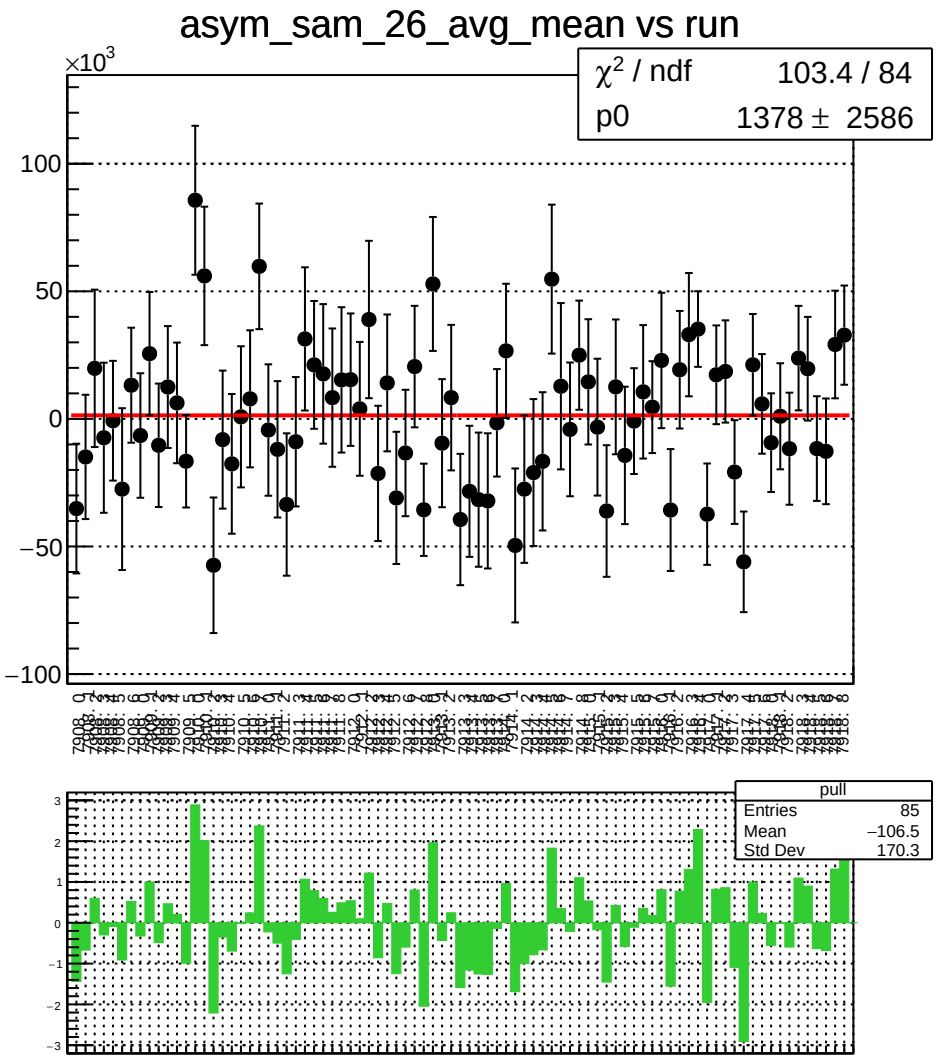


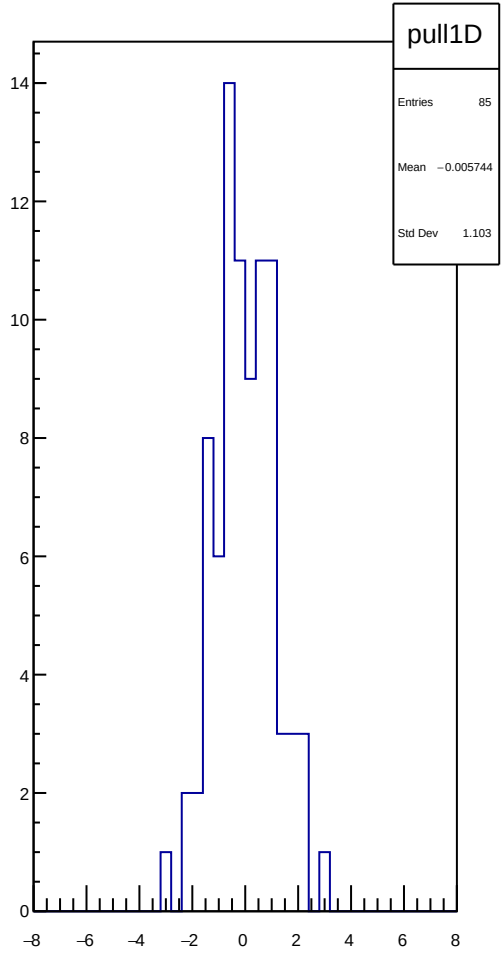

asym_sam_26_avg_correction_mean vs run
×10^3
χ² / ndf 101.8 / 84
p0 −1991 ± 2624
pull
Entries 85
Mean 17.58
Std Dev 70.87

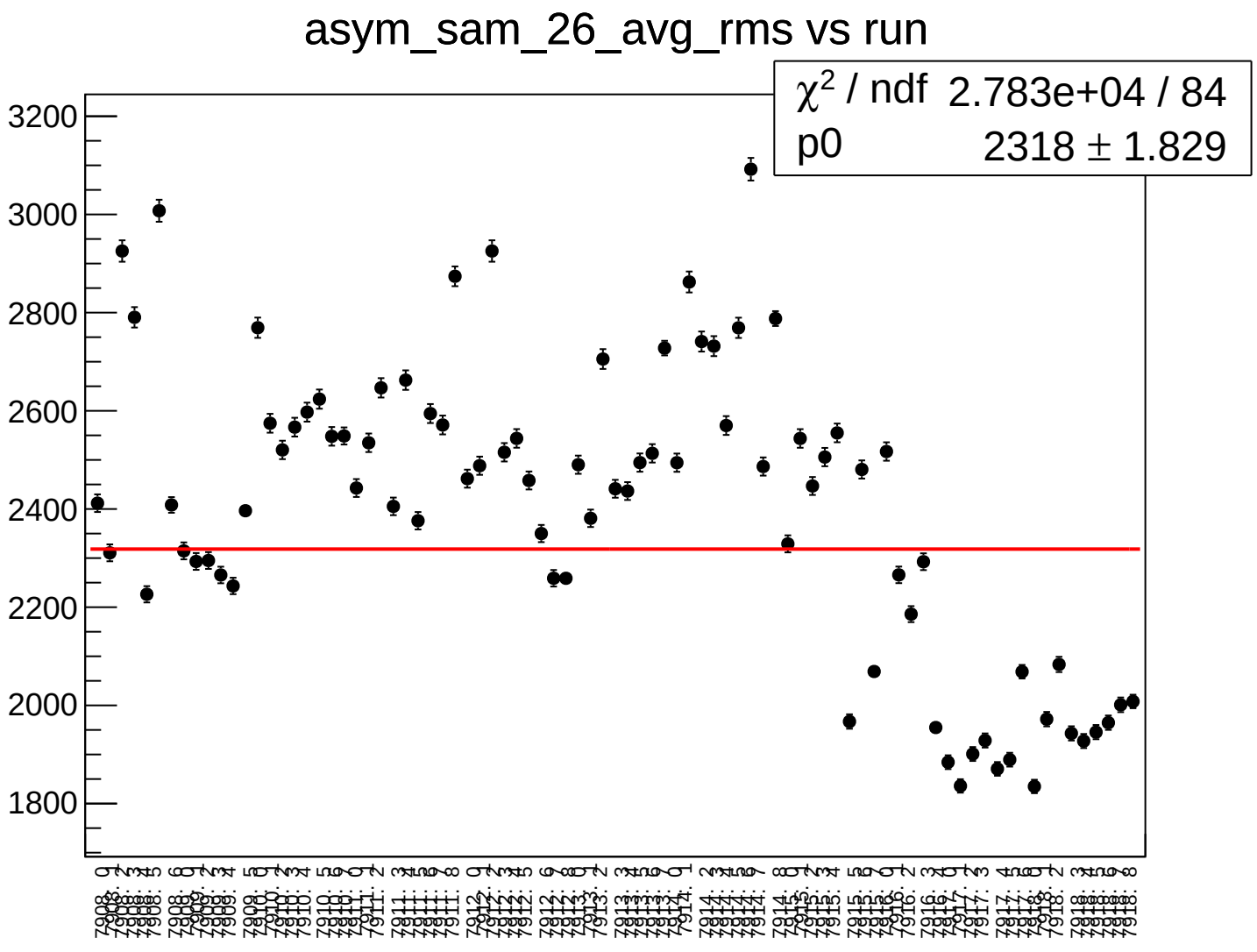

pull1D
Entries 85
Mean 0.008917
Std Dev 1.094

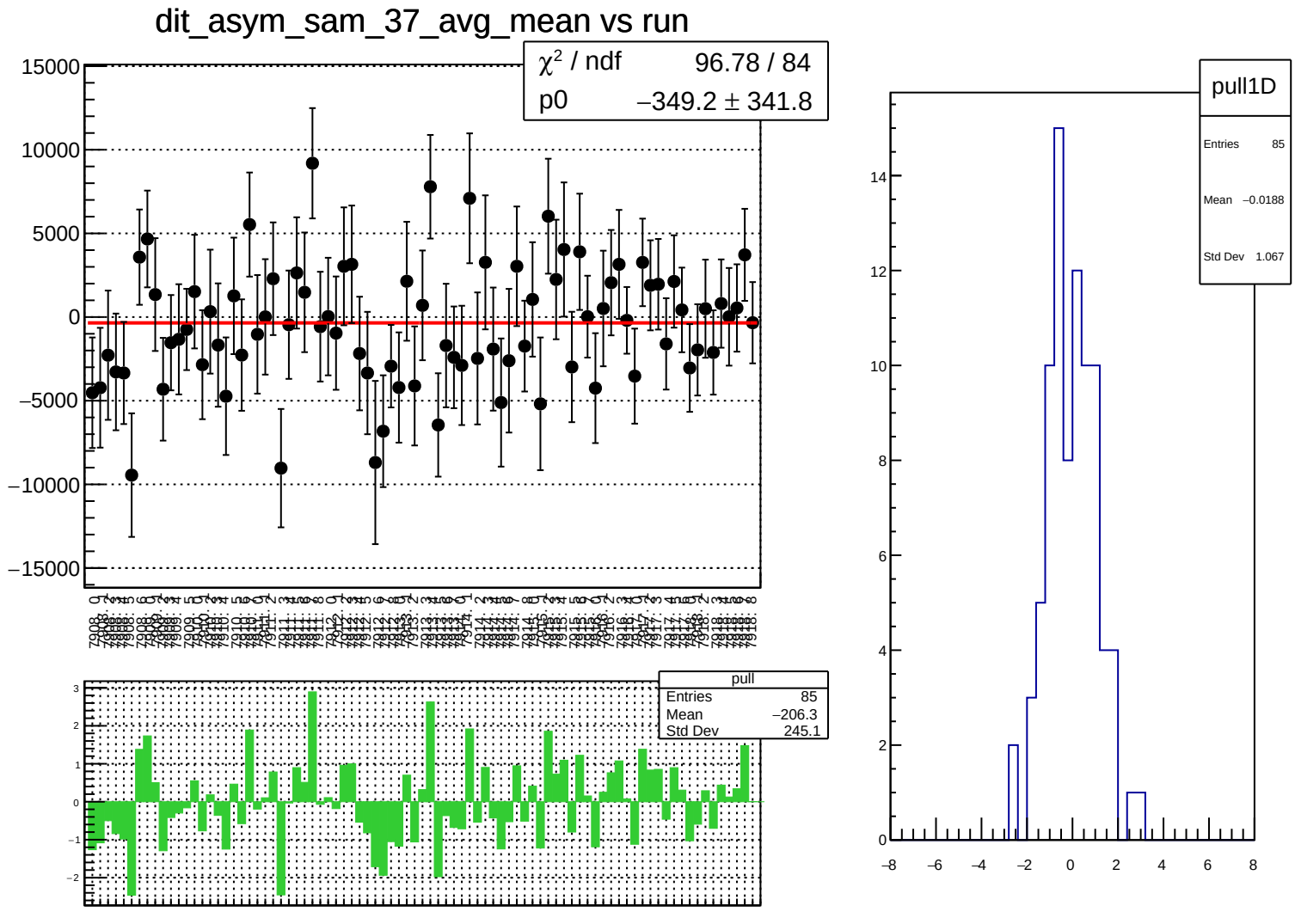
asym_sam_26_avg_correction_rms vs run



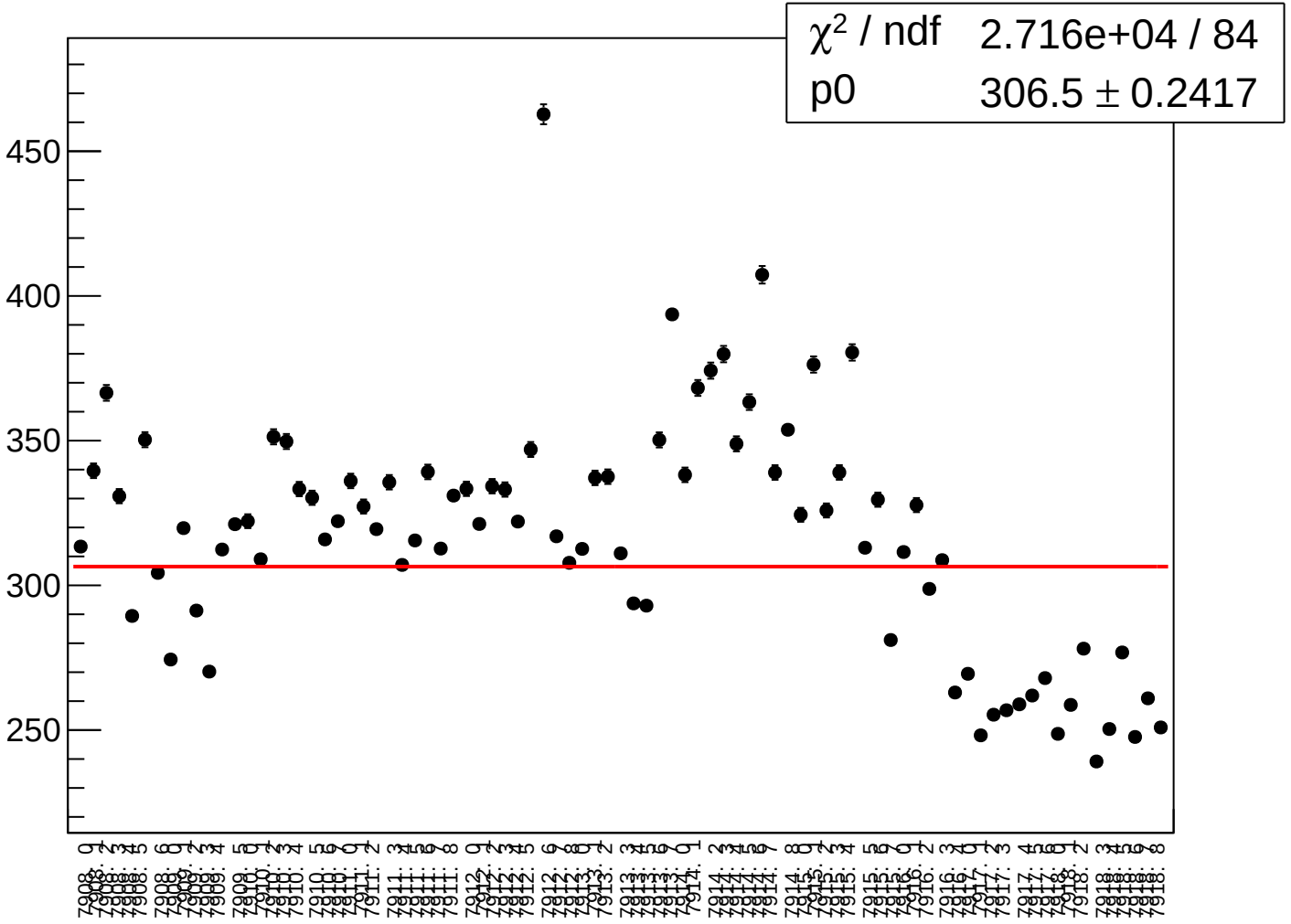

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 103.4 / 84
p0 1378 ± 2586
pull
Entries 85
Mean −106.5
Std Dev 170.3

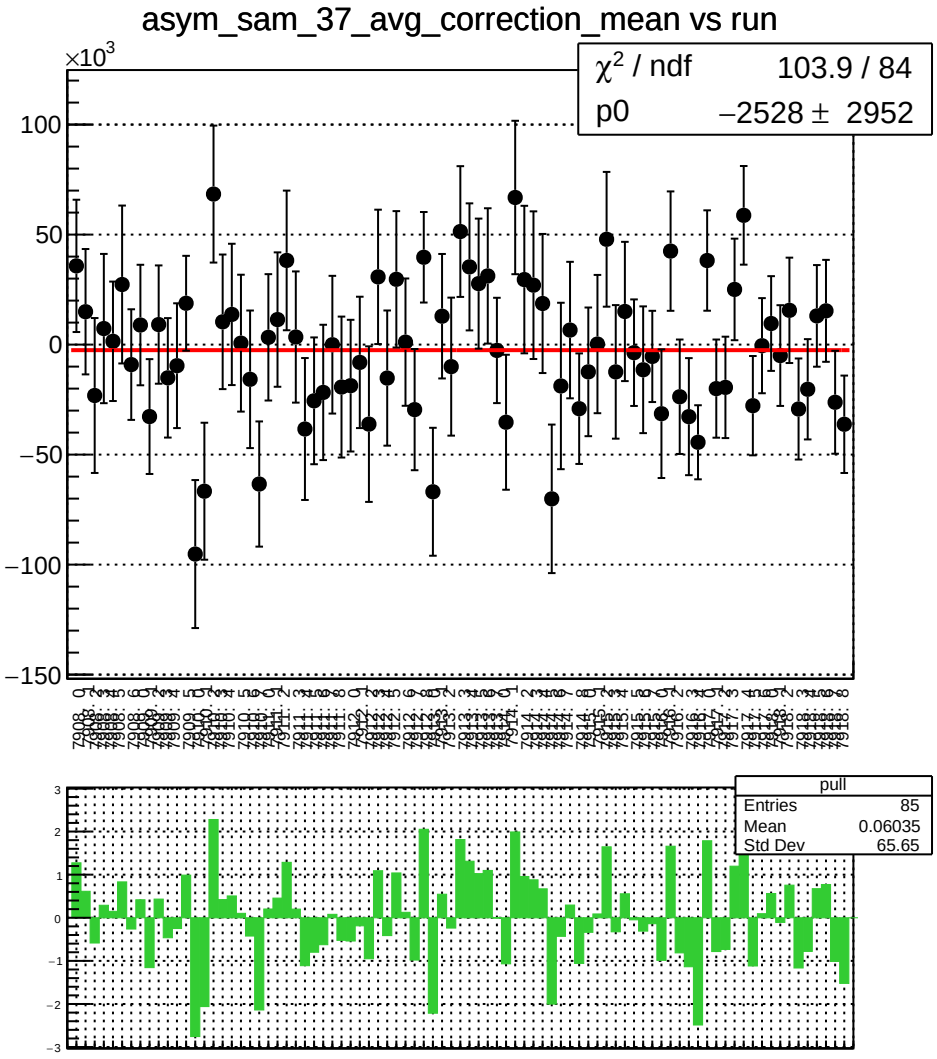

pull1D
Entries 85
Mean −0.005744
Std Dev 1.103

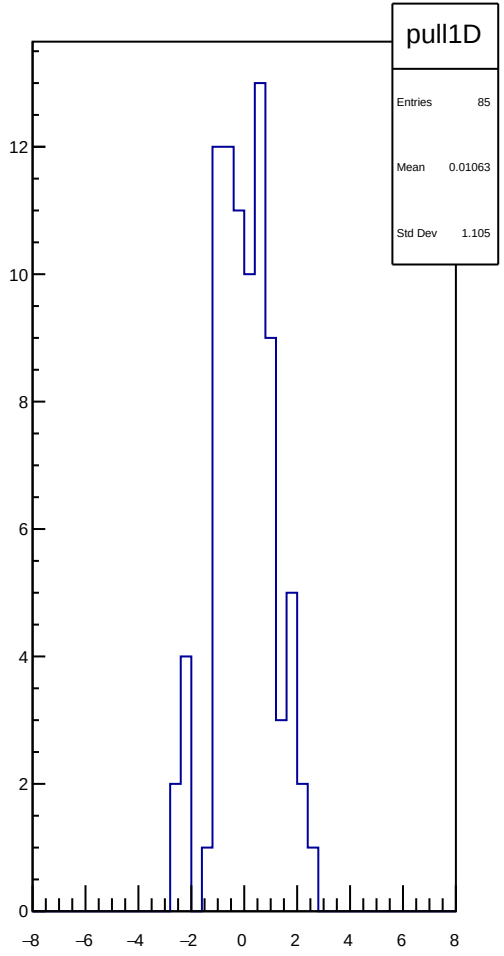

asym_sam_26_avg_rms vs run
χ^2 / ndf 2.783e+04 / 84
p0 2318 ± 1.829
3200
3000
2800
2600
2400
2200
2000
1800


dit_asym_sam_37_avg_mean vs run
χ² / ndf 96.78 / 84
p0 −349.2 ± 341.8
pull
Entries 85
Mean −206.3
Std Dev 245.1
pull1D
Entries 85
Mean −0.0188
Std Dev 1.067

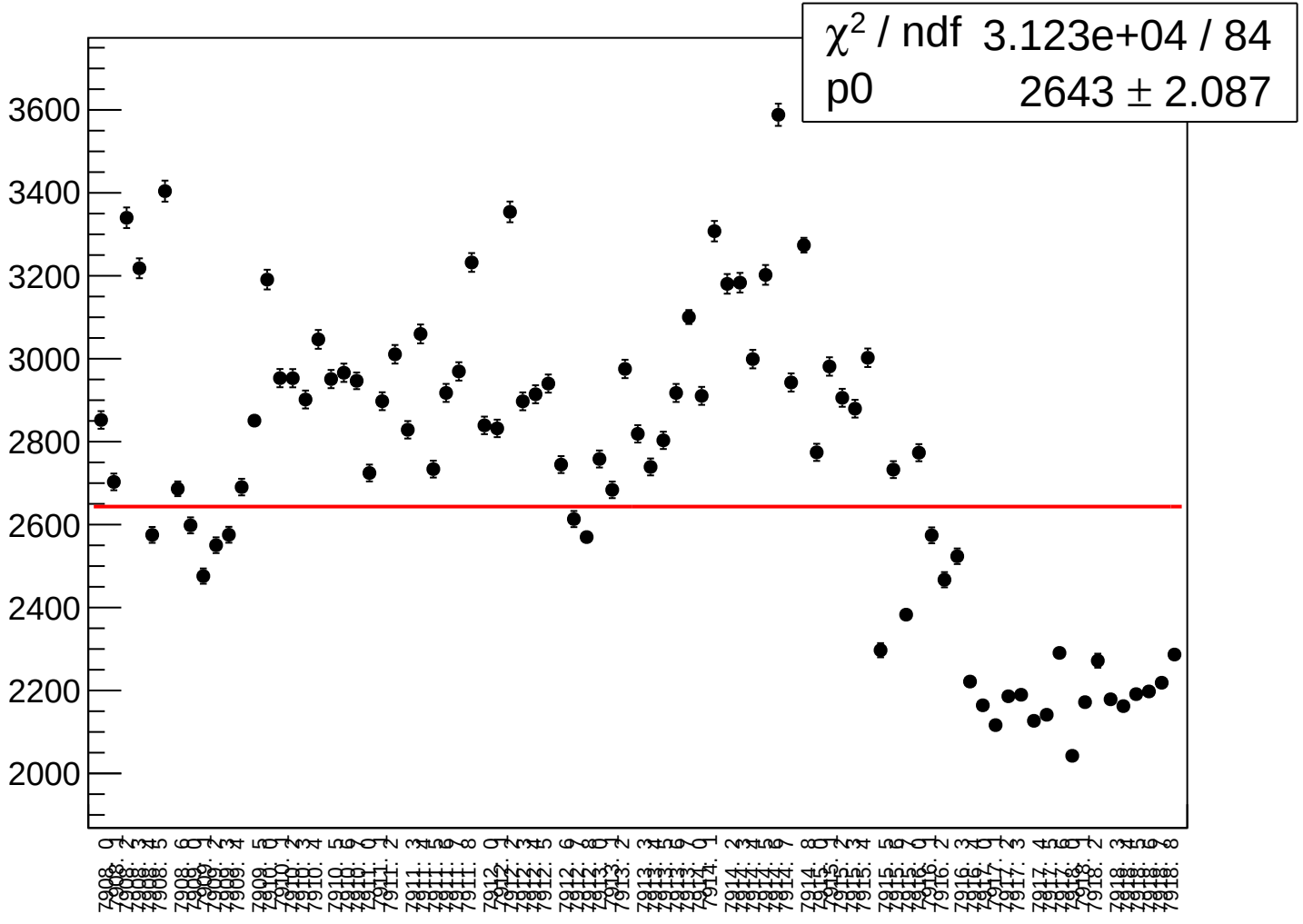
dit_asym_sam_37_avg_rms vs run

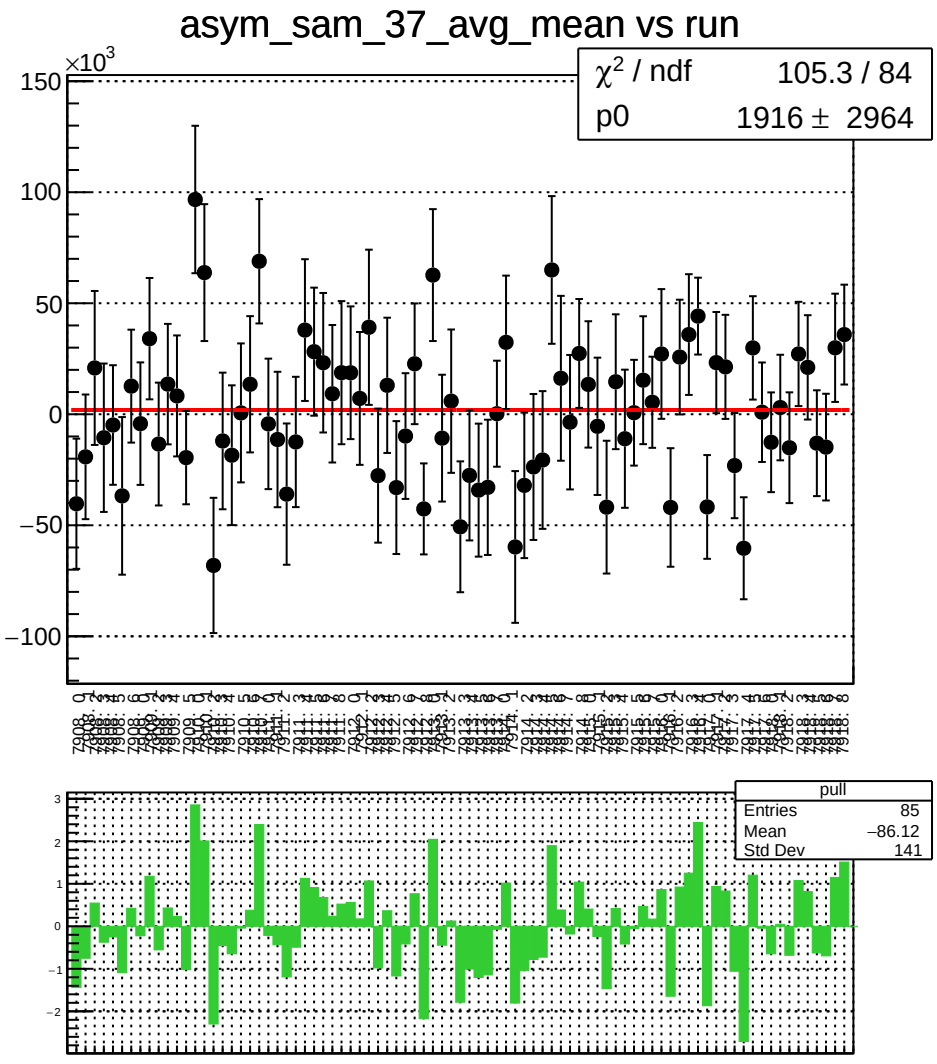


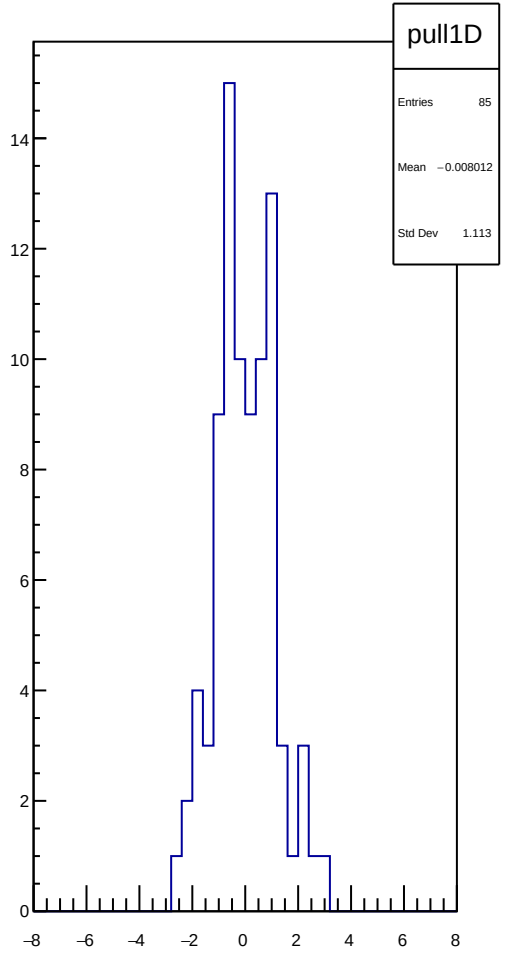

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 103.9 / 84
p0 −2528 ± 2952
pull
Entries 85
Mean 0.06035
Std Dev 65.65


pull1D
Entries 85
Mean 0.01063
Std Dev 1.105

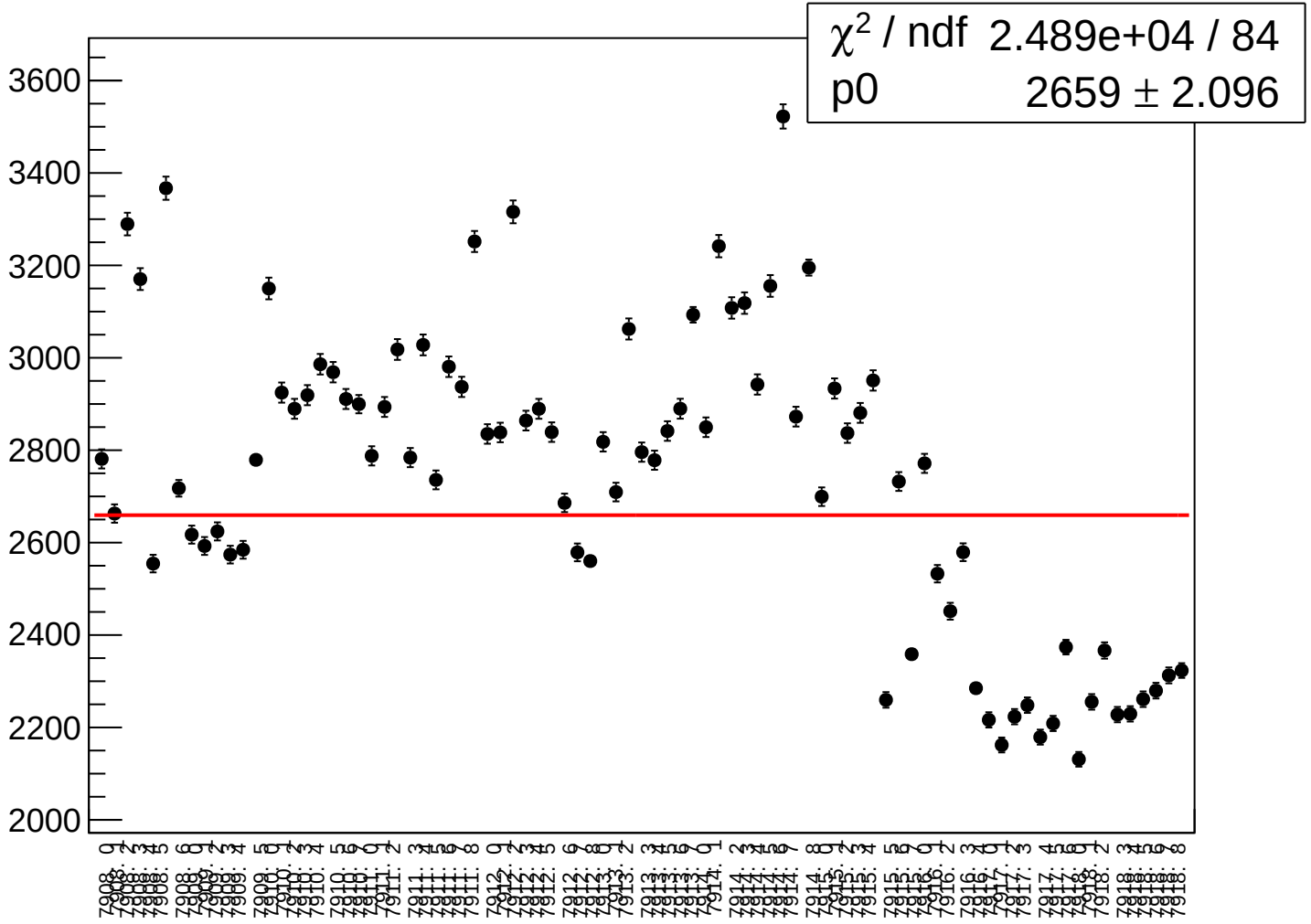
asym_sam_37_avg_correction_rms vs run

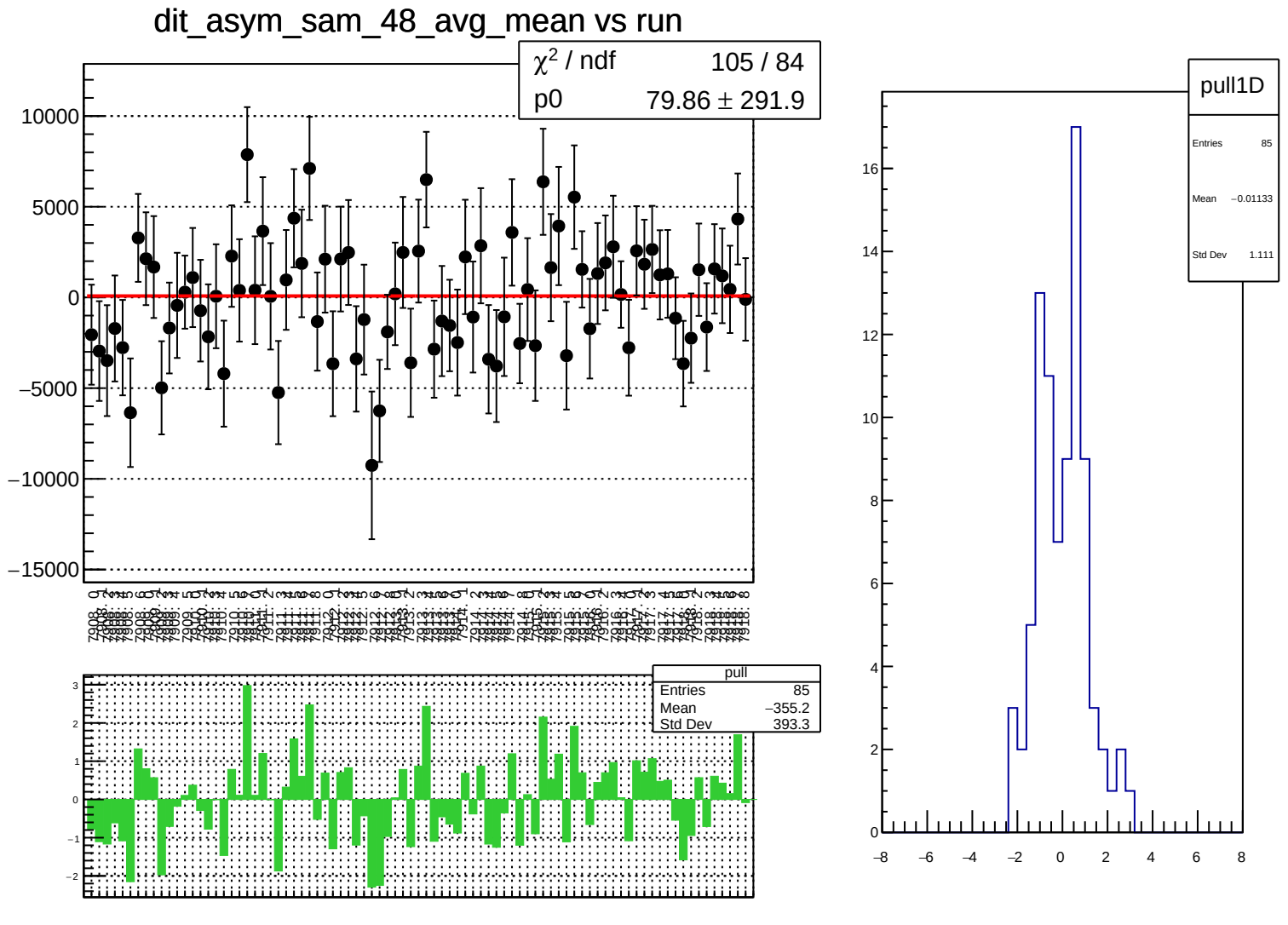



asym_sam_37_avg_mean vs run
×10^3
χ^2 / ndf 105.3 / 84
p0 1916 ± 2964
pull
Entries 85
Mean −86.12
Std Dev 141

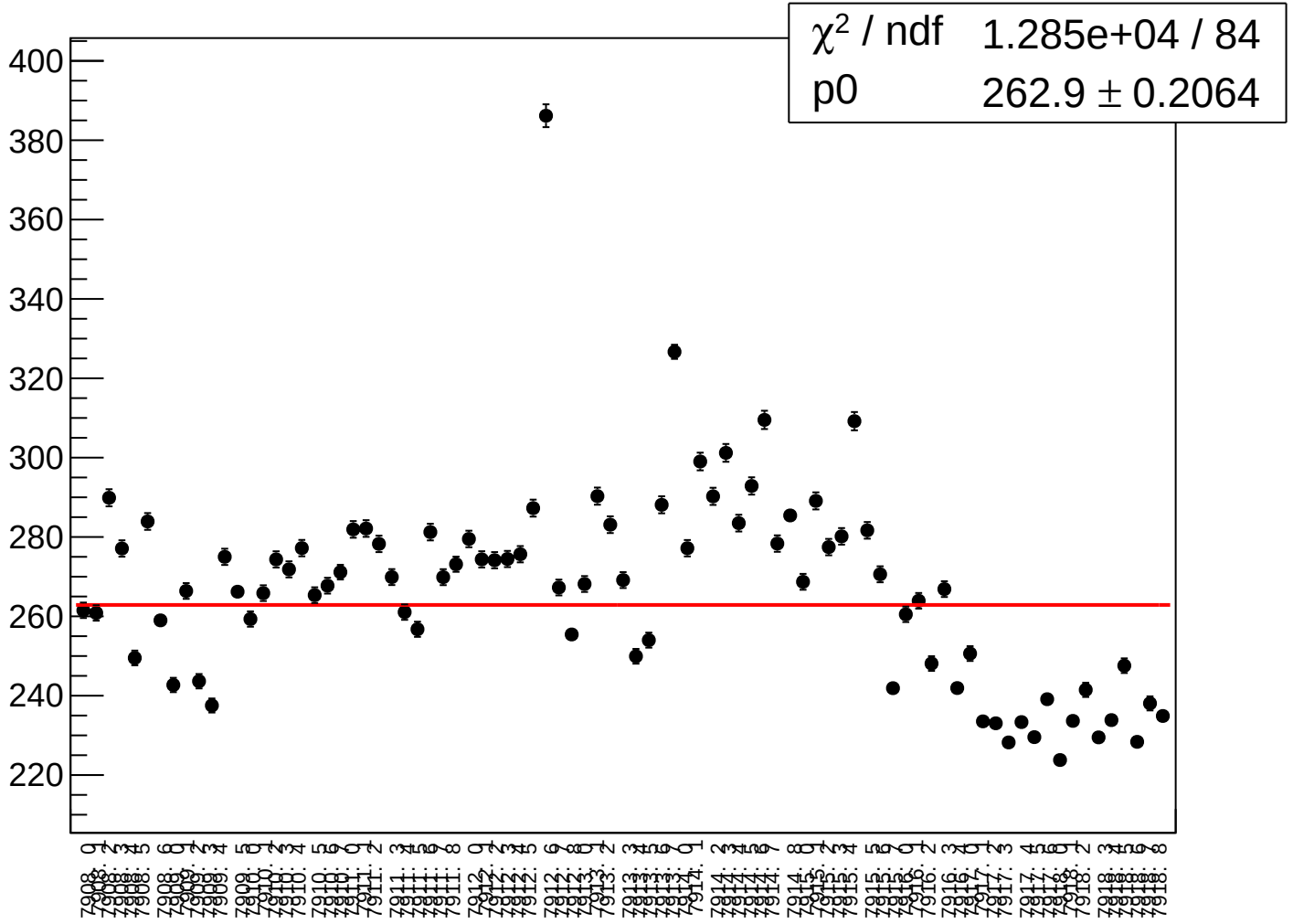

pull1D
Entries 85
Mean −0.008012
Std Dev 1.113

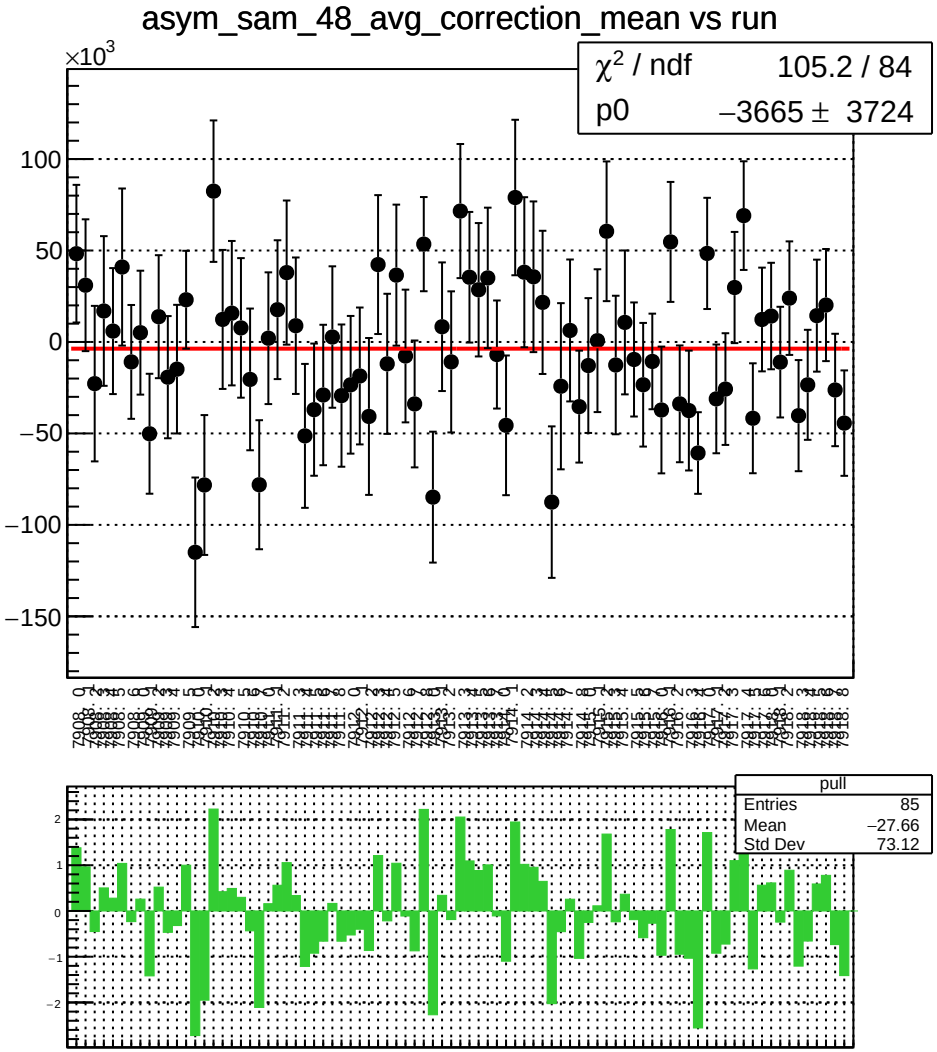
asym_sam_37_avg_rms vs run

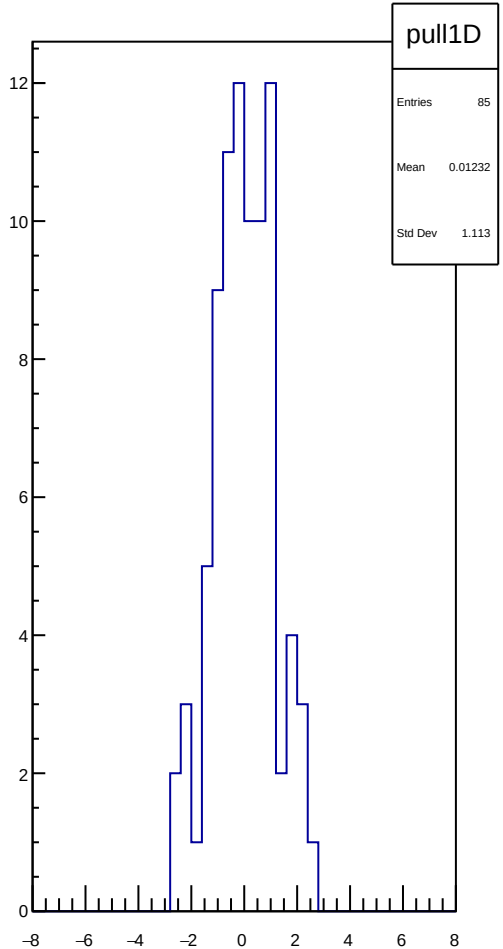


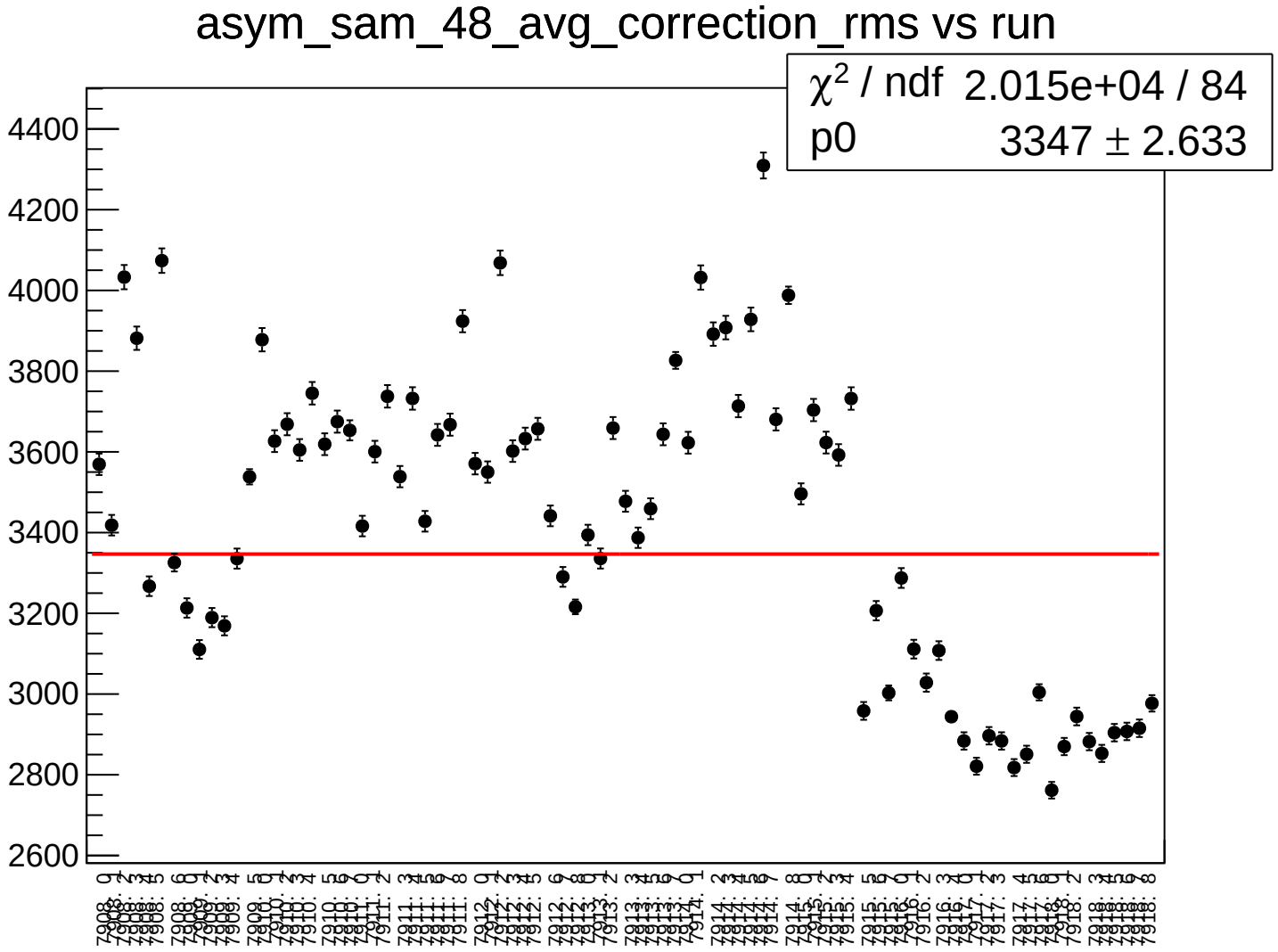

dit_asym_sam_48_avg_mean vs run
χ² / ndf 105 / 84
p0 79.86 ± 291.9
pull
Entries 85
Mean −355.2
Std Dev 393.3
pull1D
Entries 85
Mean −0.01133
Std Dev 1.111

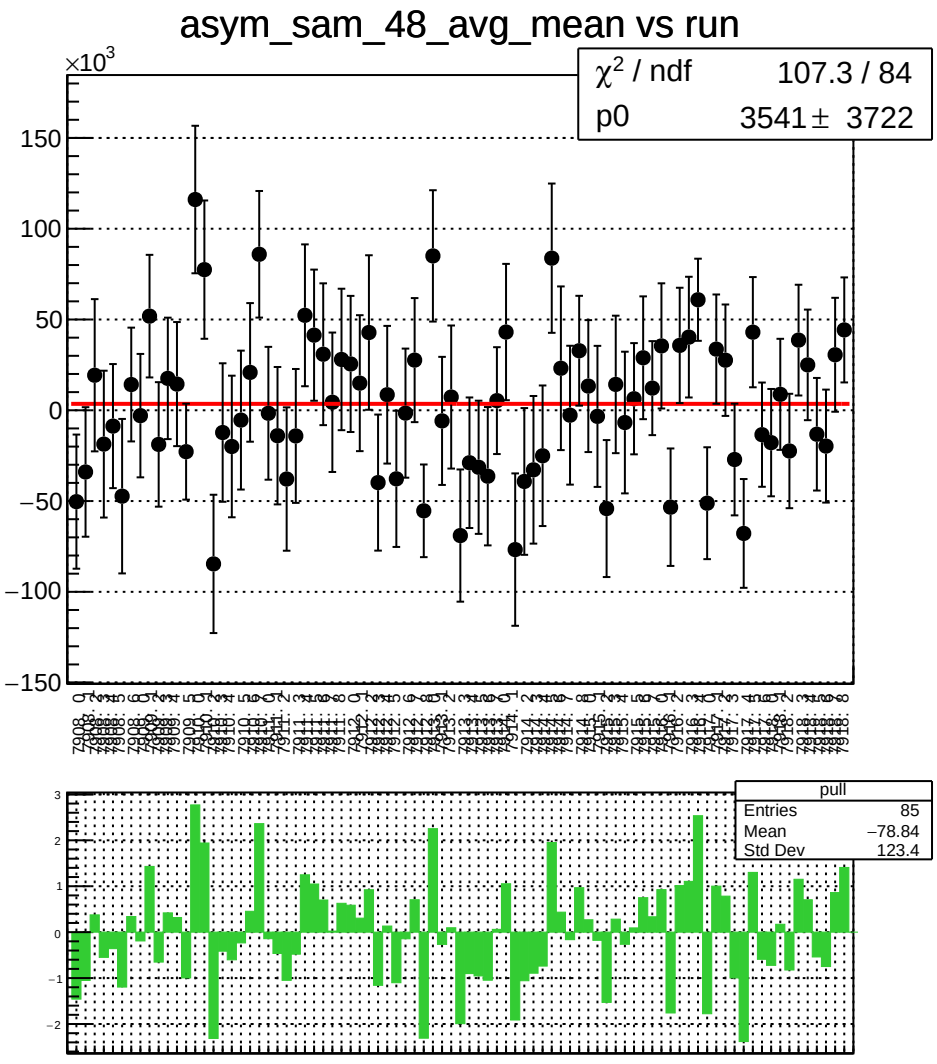
dit_asym_sam_48_avg_rms vs run

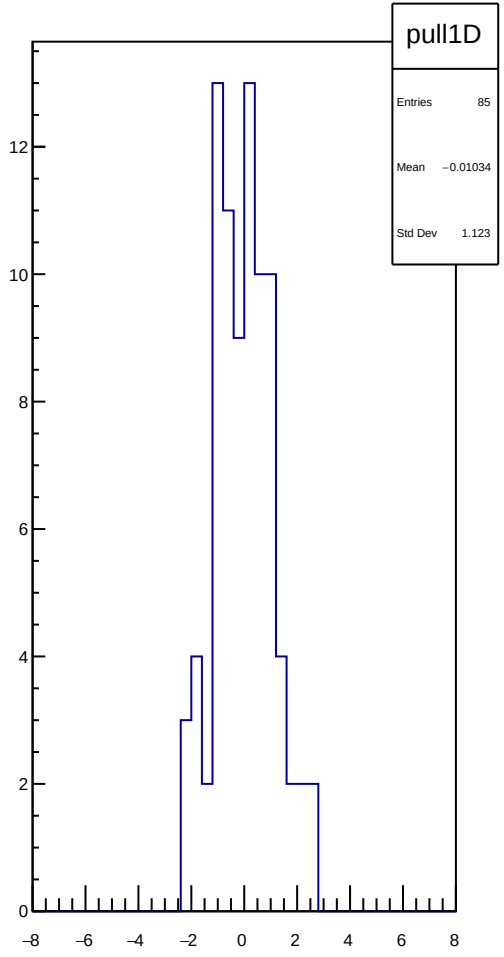


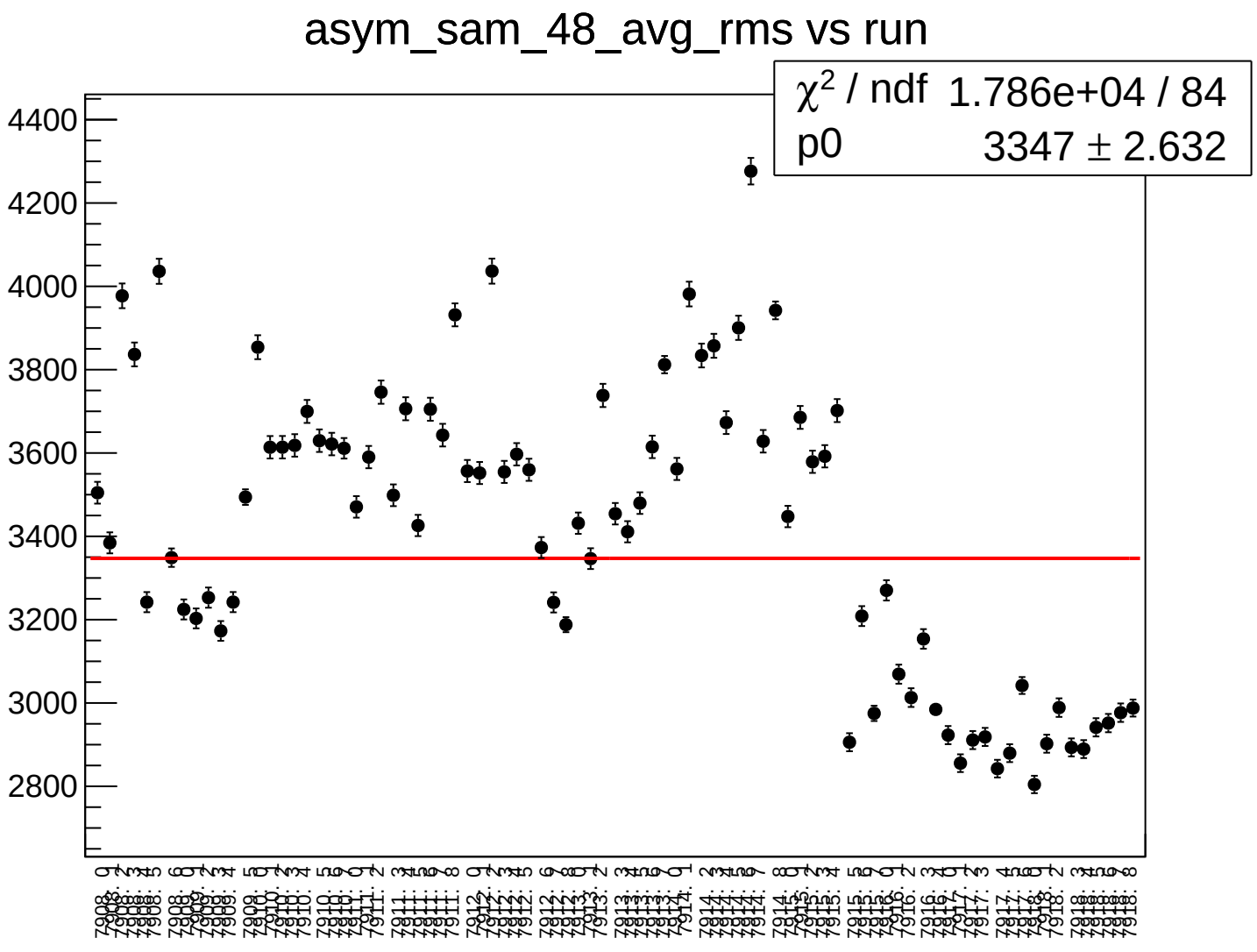

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 105.2 / 84
p0 −3665 ± 3724
100
50
0
−50
−100
−150
pull
Entries 85
Mean −27.66
Std Dev 73.12
2
1
0
−1
−2

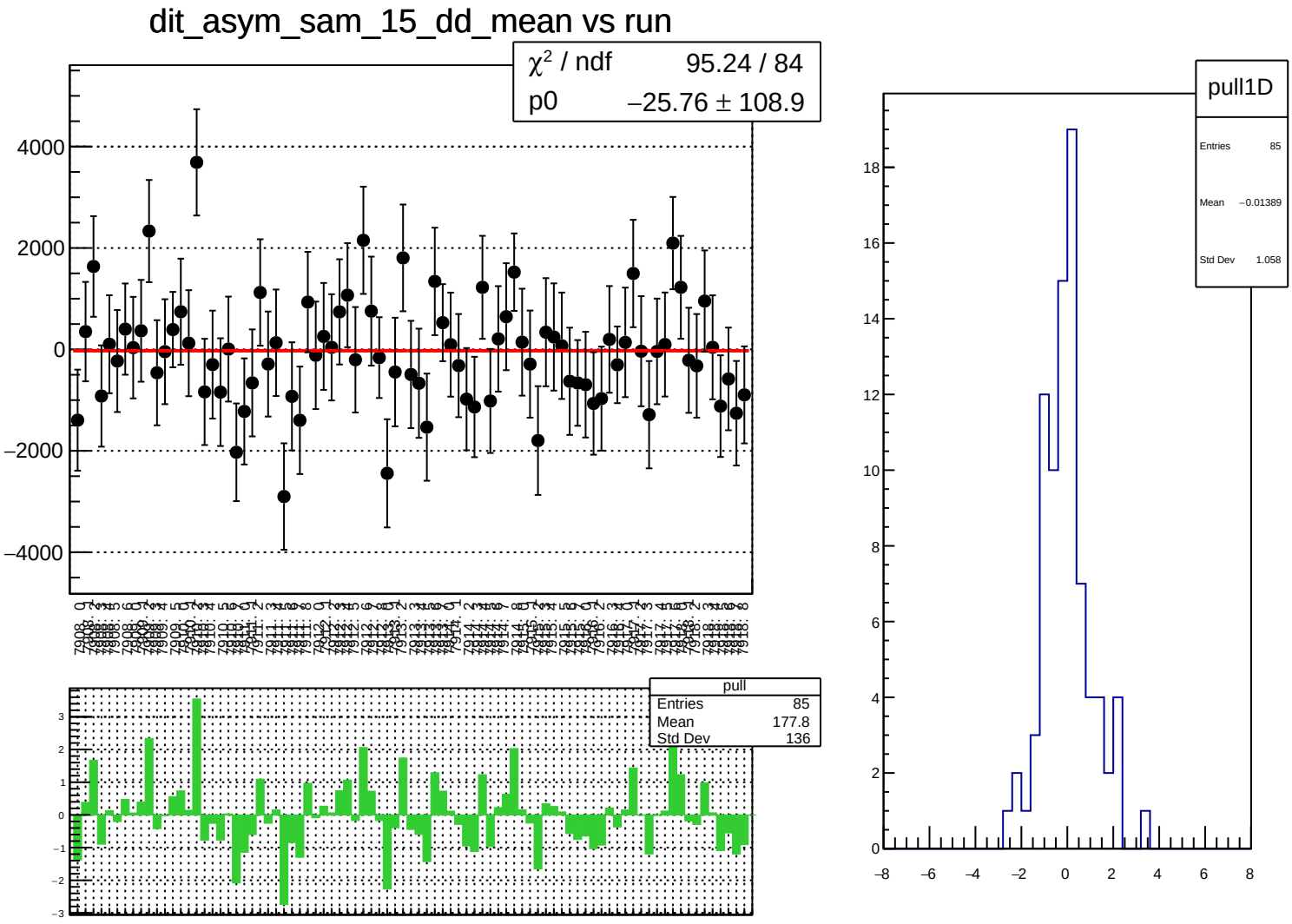

pull1D
Entries 85
Mean 0.01232
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 2.015e+04 / 84
p0 3347 ± 2.633
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600

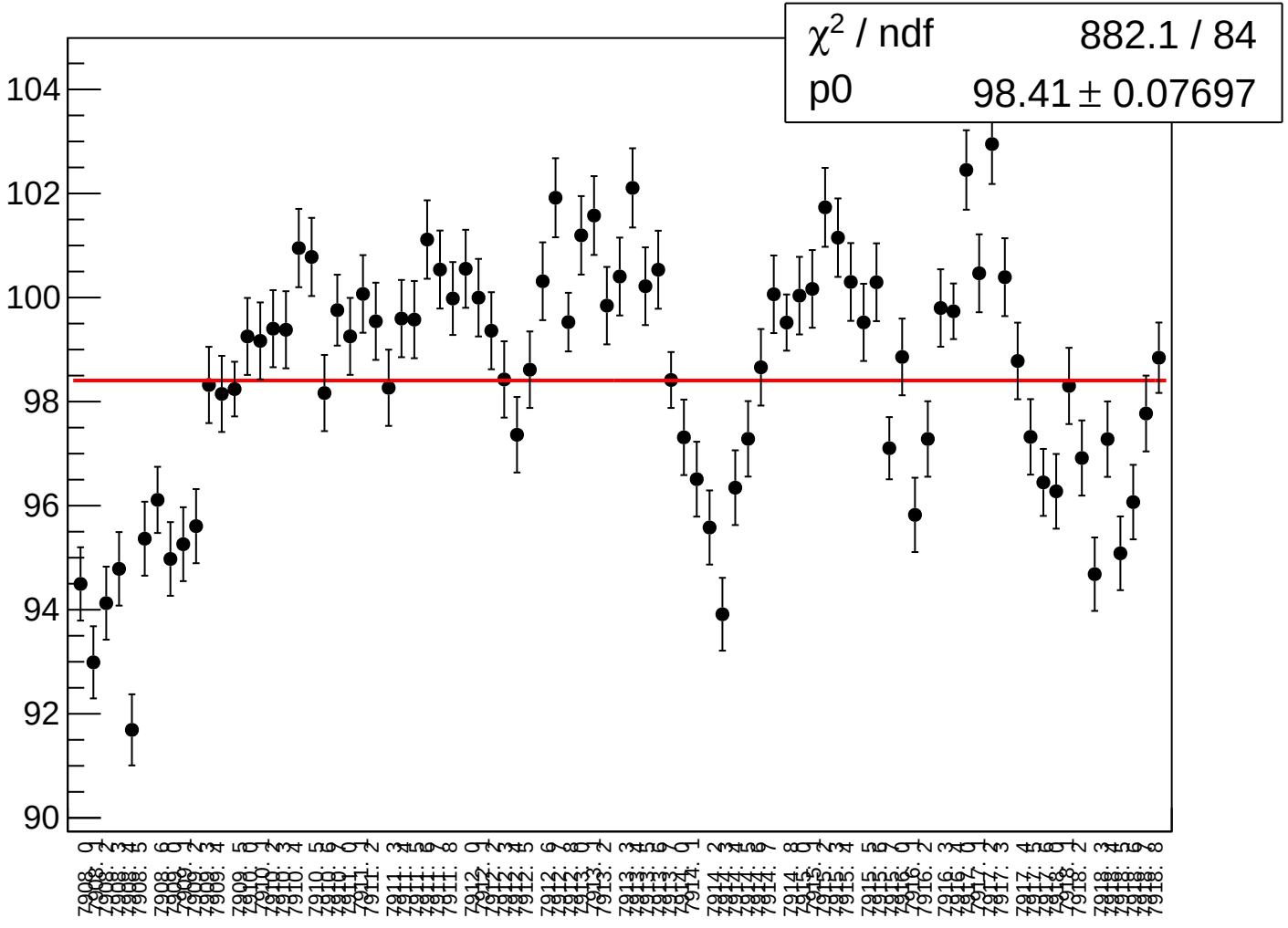

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 107.3 / 84
p0 3541 ± 3722
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −78.84
Std Dev 123.4
3
2
1
0
−1
−2

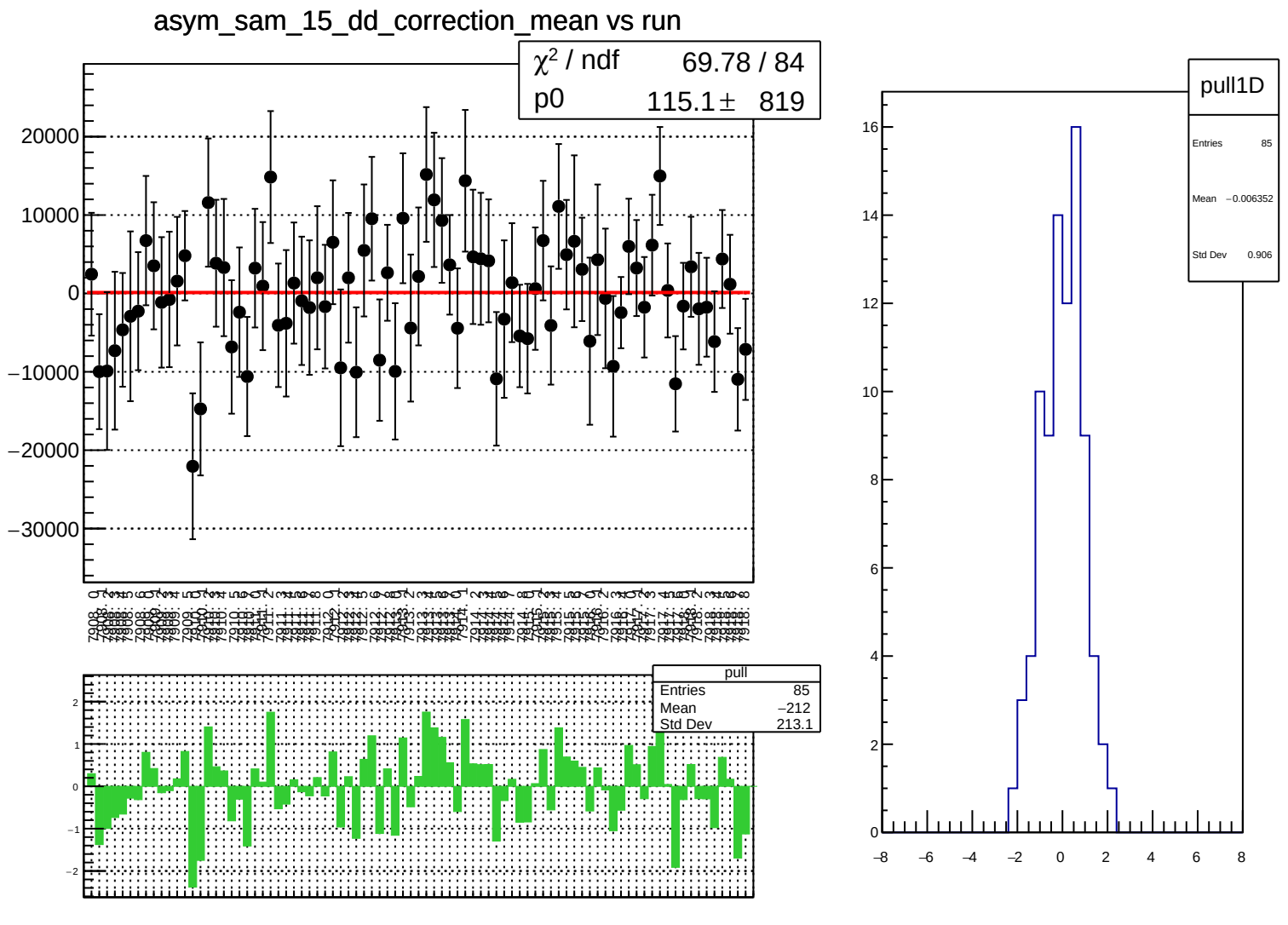

pull1D
Entries 85
Mean −0.01034
Std Dev 1.123
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

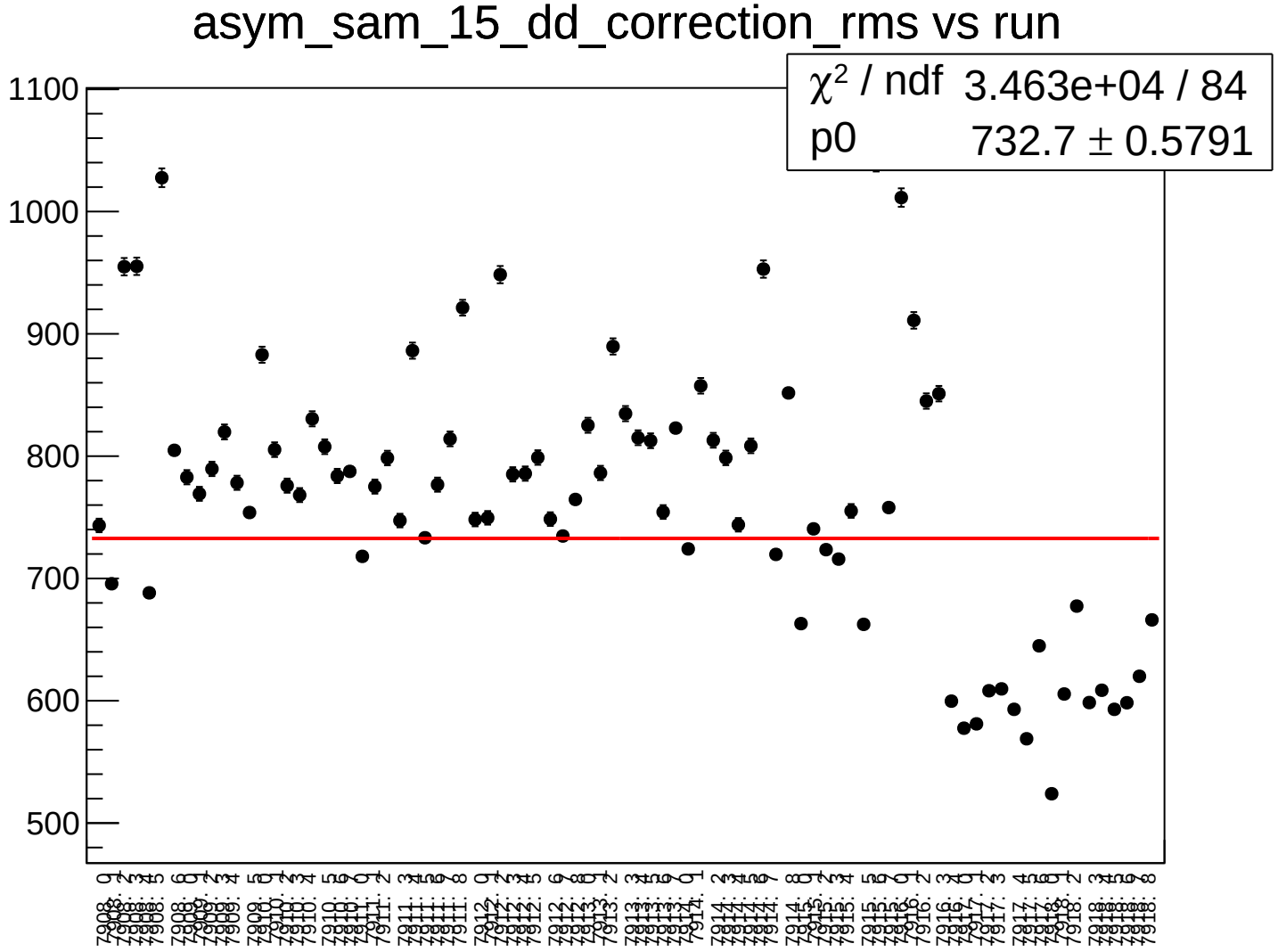

asym_sam_48_avg_rms vs run
χ² / ndf 1.786e+04 / 84
p0 3347 ± 2.632
4400
4200
4000
3800
3600
3400
3200
3000
2800

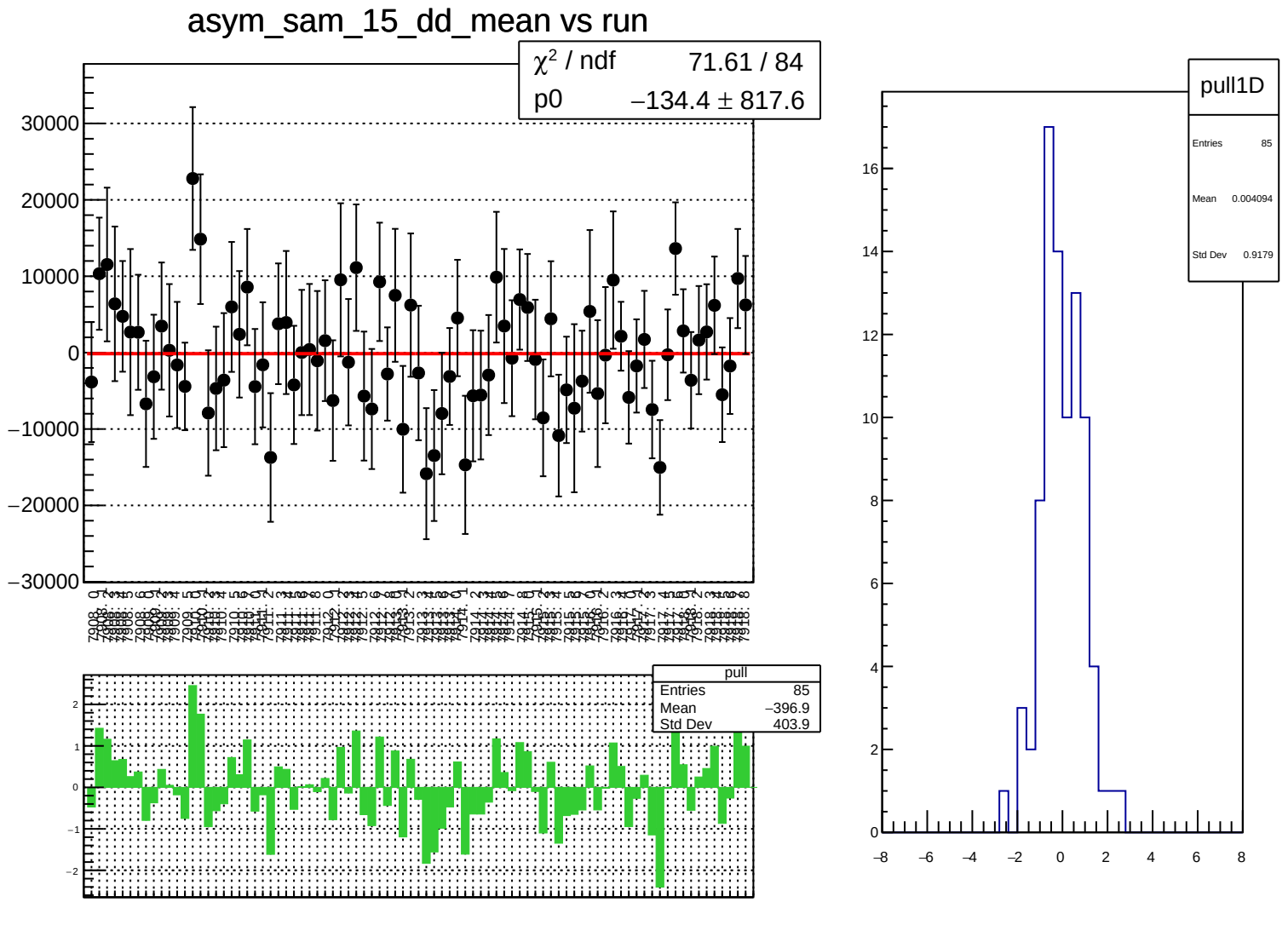

dit_asym_sam_15_dd_mean vs run
χ² / ndf 95.24 / 84
p0 −25.76 ± 108.9
4000
2000
0
−2000
−4000
pull
Entries 85
Mean 177.8
Std Dev 136
pull1D
Entries 85
Mean −0.01389
Std Dev 1.058

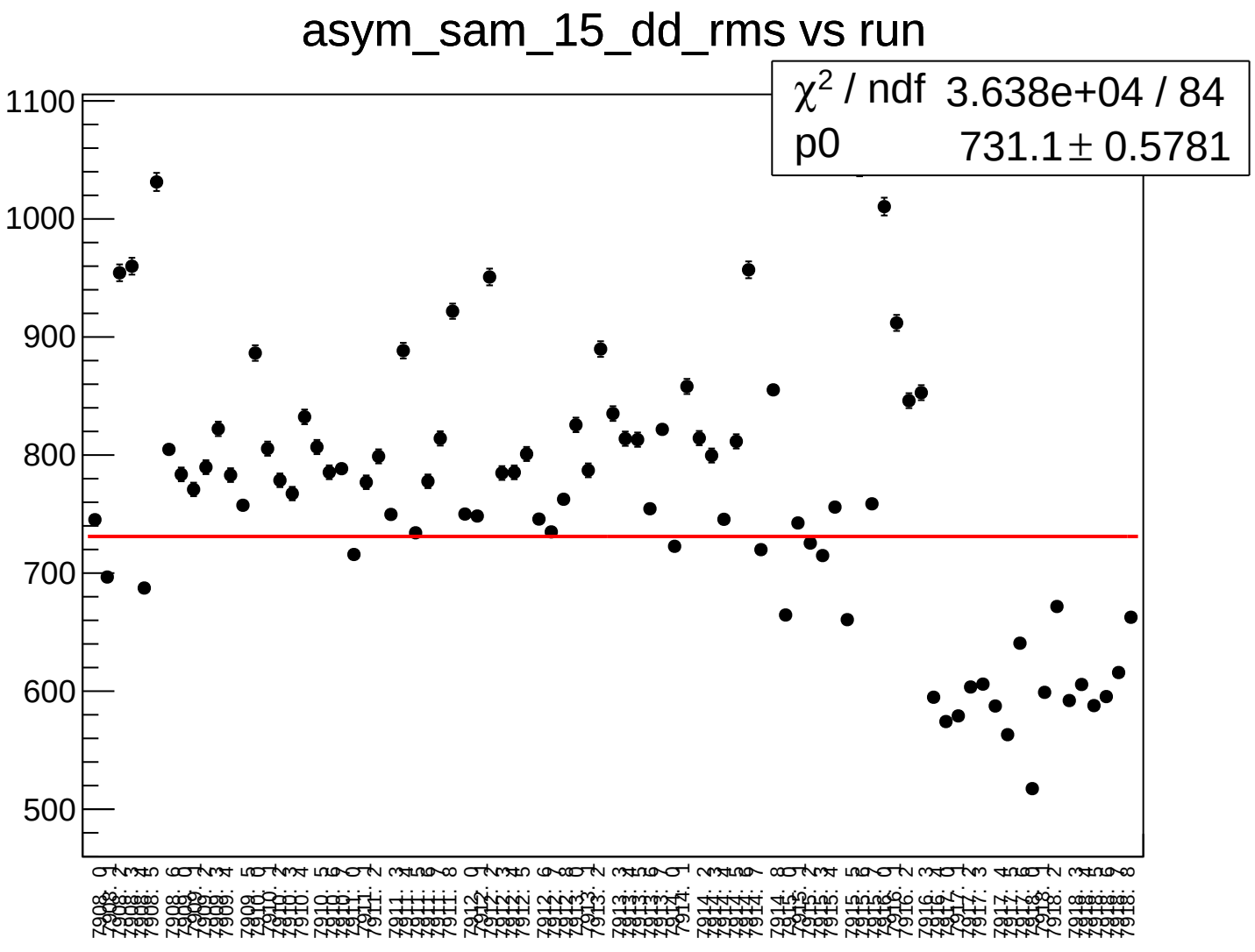
dit_asym_sam_15_dd_rms vs run

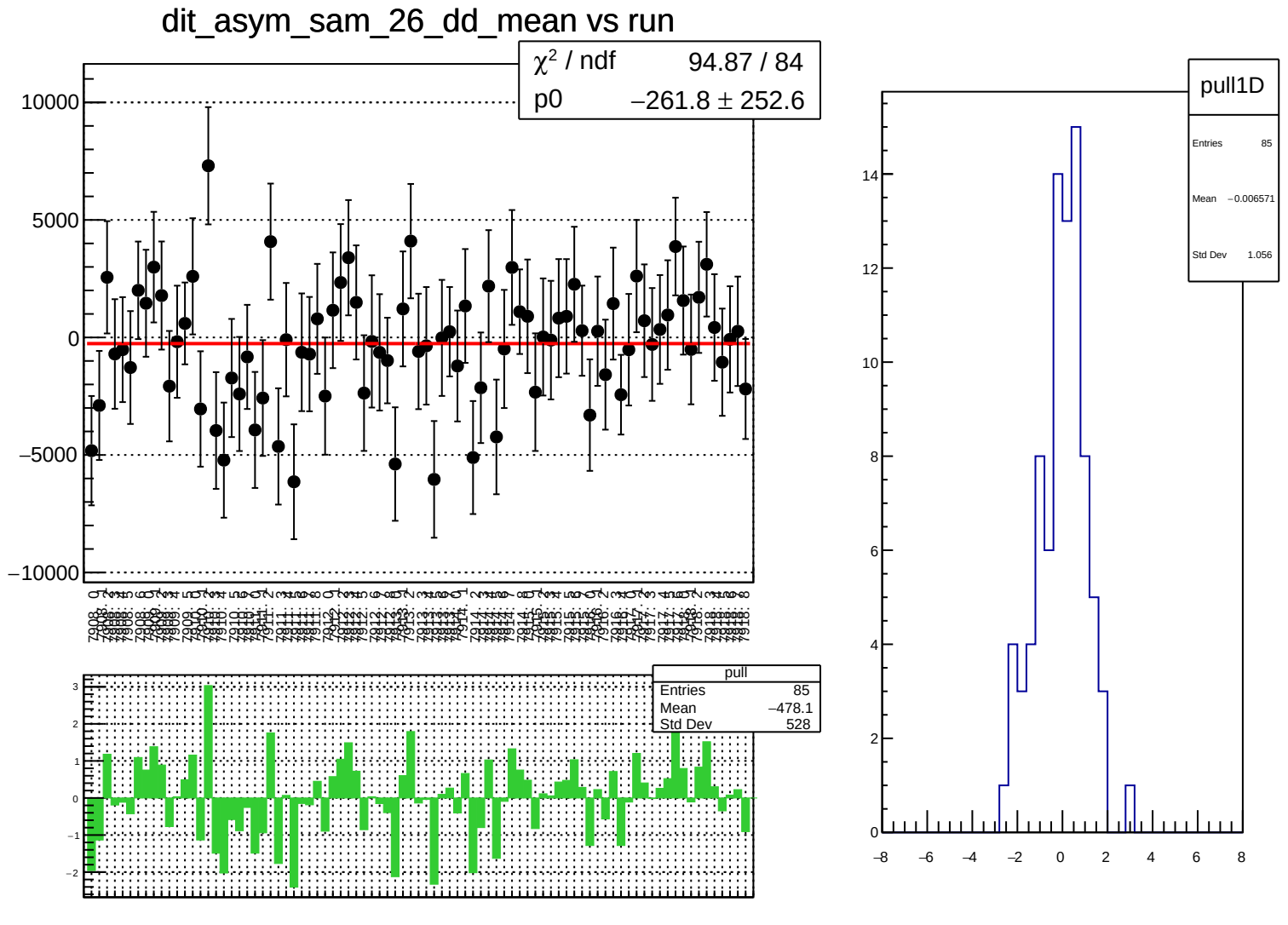



asym_sam_15_dd_correction_mean vs run
χ² / ndf 69.78 / 84
p0 115.1 ± 819
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −212
Std Dev 213.1
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.006352
Std Dev 0.906
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

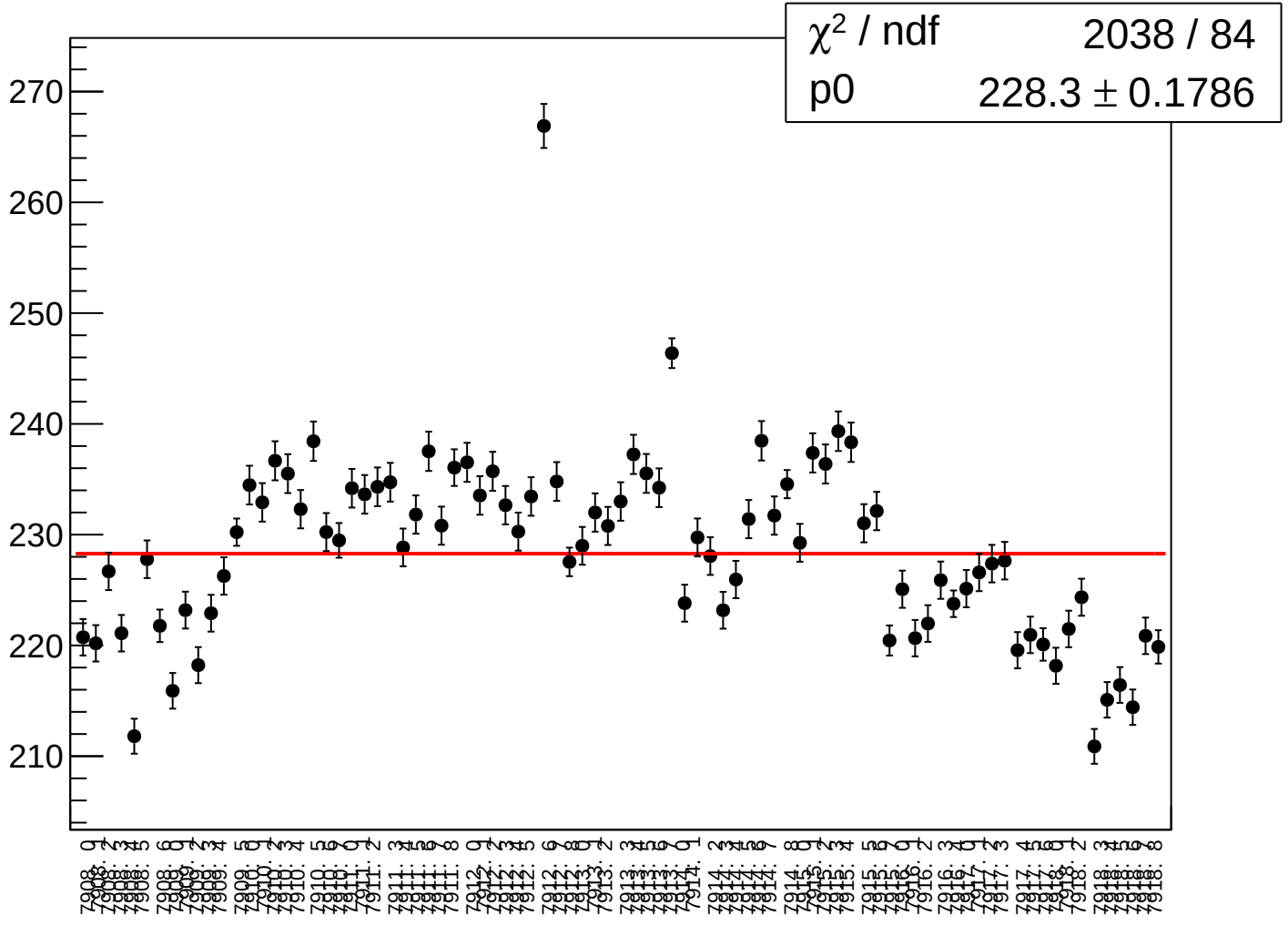

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3.463e+04 / 84
p0 732.7 ± 0.5791
1100
1000
900
800
700
600
500

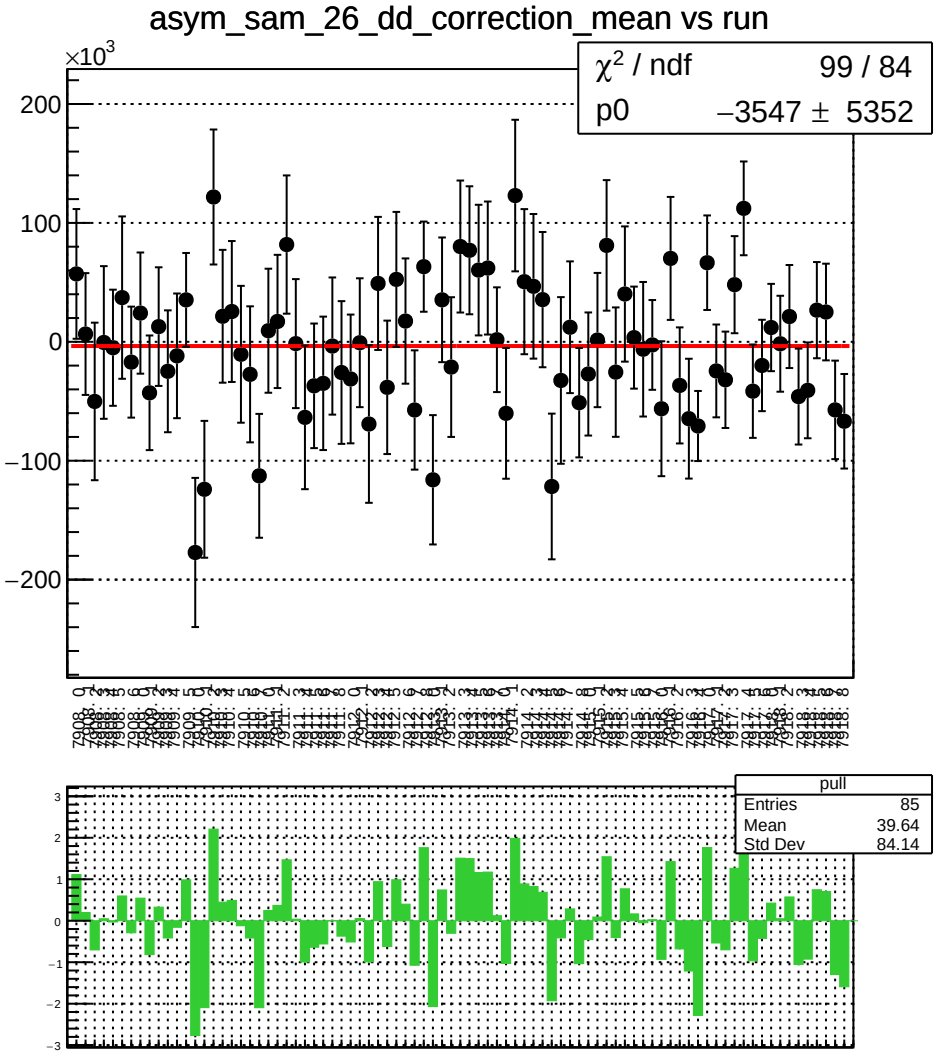

asym_sam_15_dd_mean vs run
χ² / ndf 71.61 / 84
p0 −134.4 ± 817.6
pull
Entries 85
Mean −396.9
Std Dev 403.9
pull1D
Entries 85
Mean 0.004094
Std Dev 0.9179

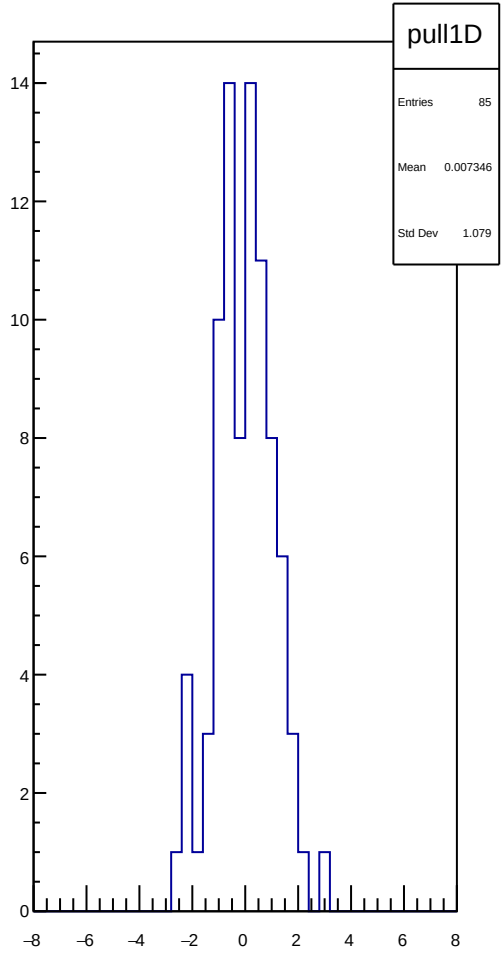

asym_sam_15_dd_rms vs run
χ^2 / ndf 3.638e+04 / 84
p0 731.1 ± 0.5781
1100
1000
900
800
700
600
500

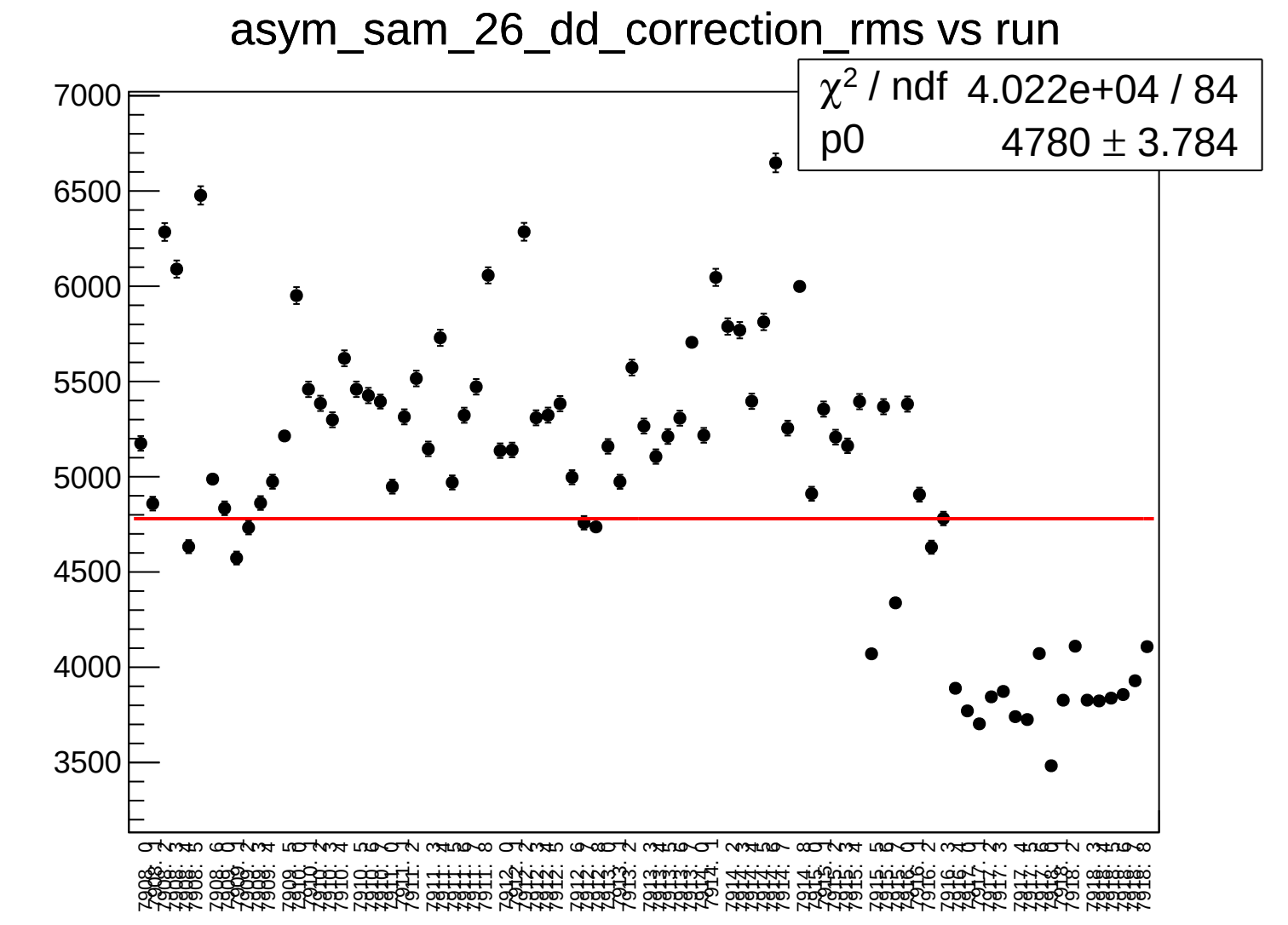

dit_asym_sam_26_dd_mean vs run
χ² / ndf 94.87 / 84
p0 −261.8 ± 252.6
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −478.1
Std Dev 528
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.006571
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

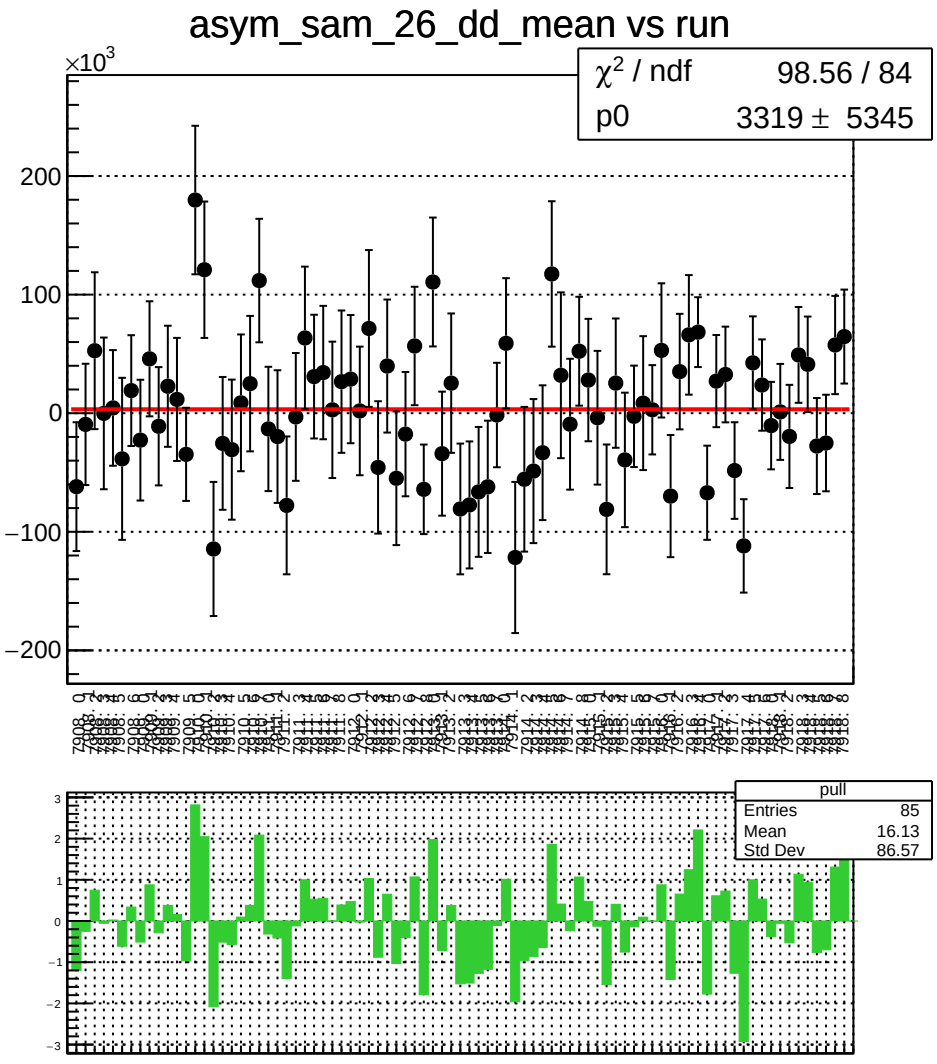
dit_asym_sam_26_dd_rms vs run

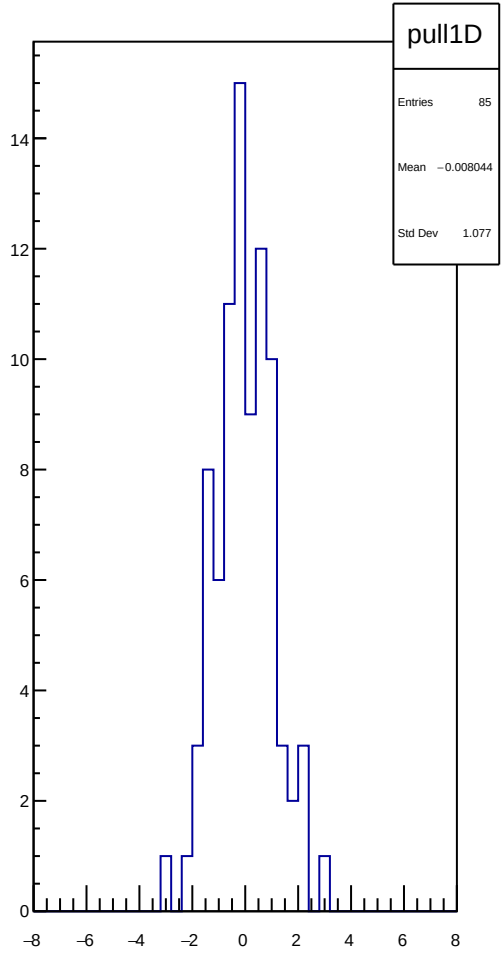



asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 99 / 84
p0 −3547 ± 5352
pull
Entries 85
Mean 39.64
Std Dev 84.14

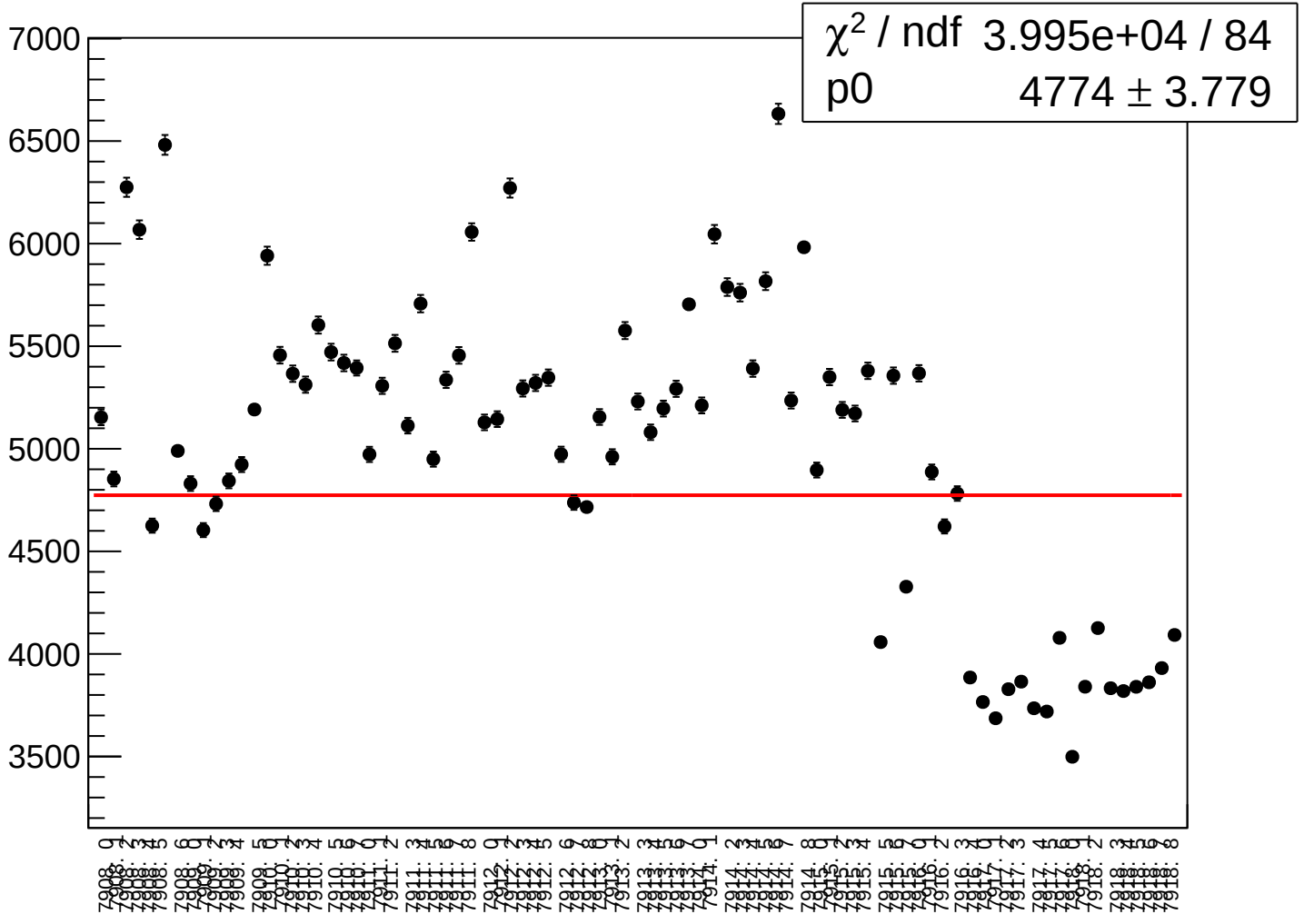

pull1D
Entries 85
Mean 0.007346
Std Dev 1.079

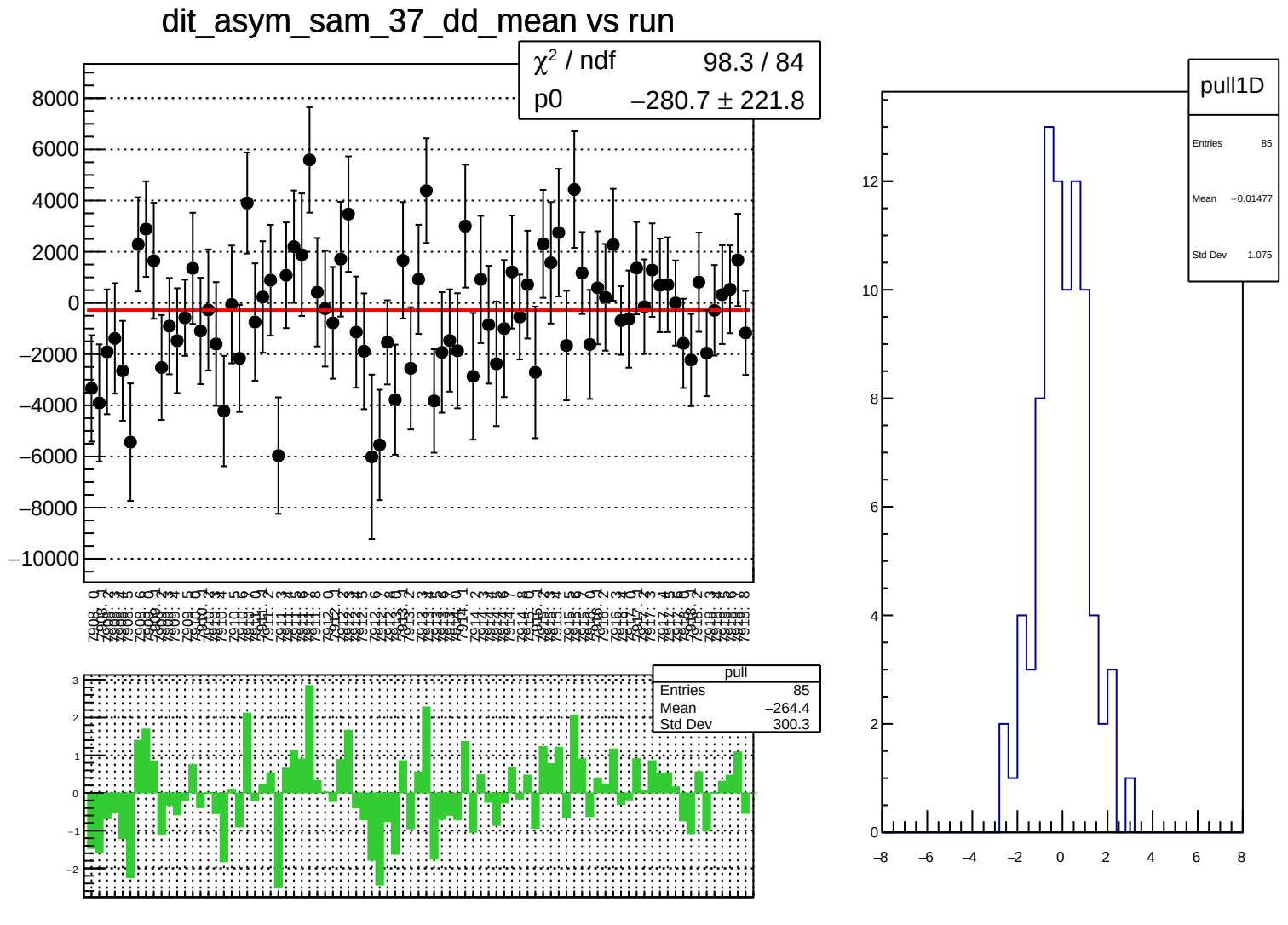

asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 4.022e+04 / 84
p0 4780 ± 3.784
7000
6500
6000
5500
5000
4500
4000
3500


asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 98.56 / 84
p0 3319 ± 5345
pull
Entries 85
Mean 16.13
Std Dev 86.57

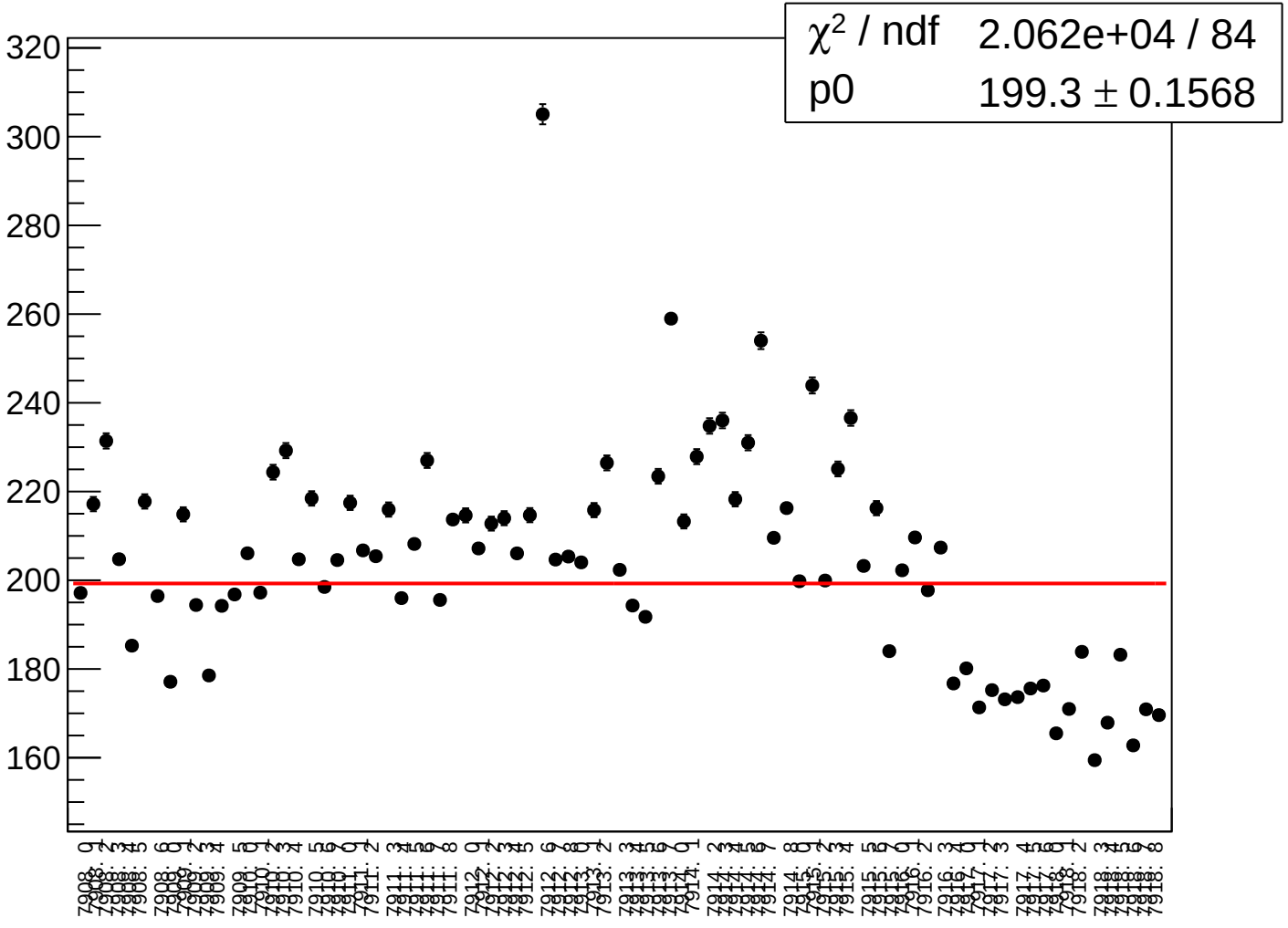

pull1D
Entries 85
Mean −0.008044
Std Dev 1.077

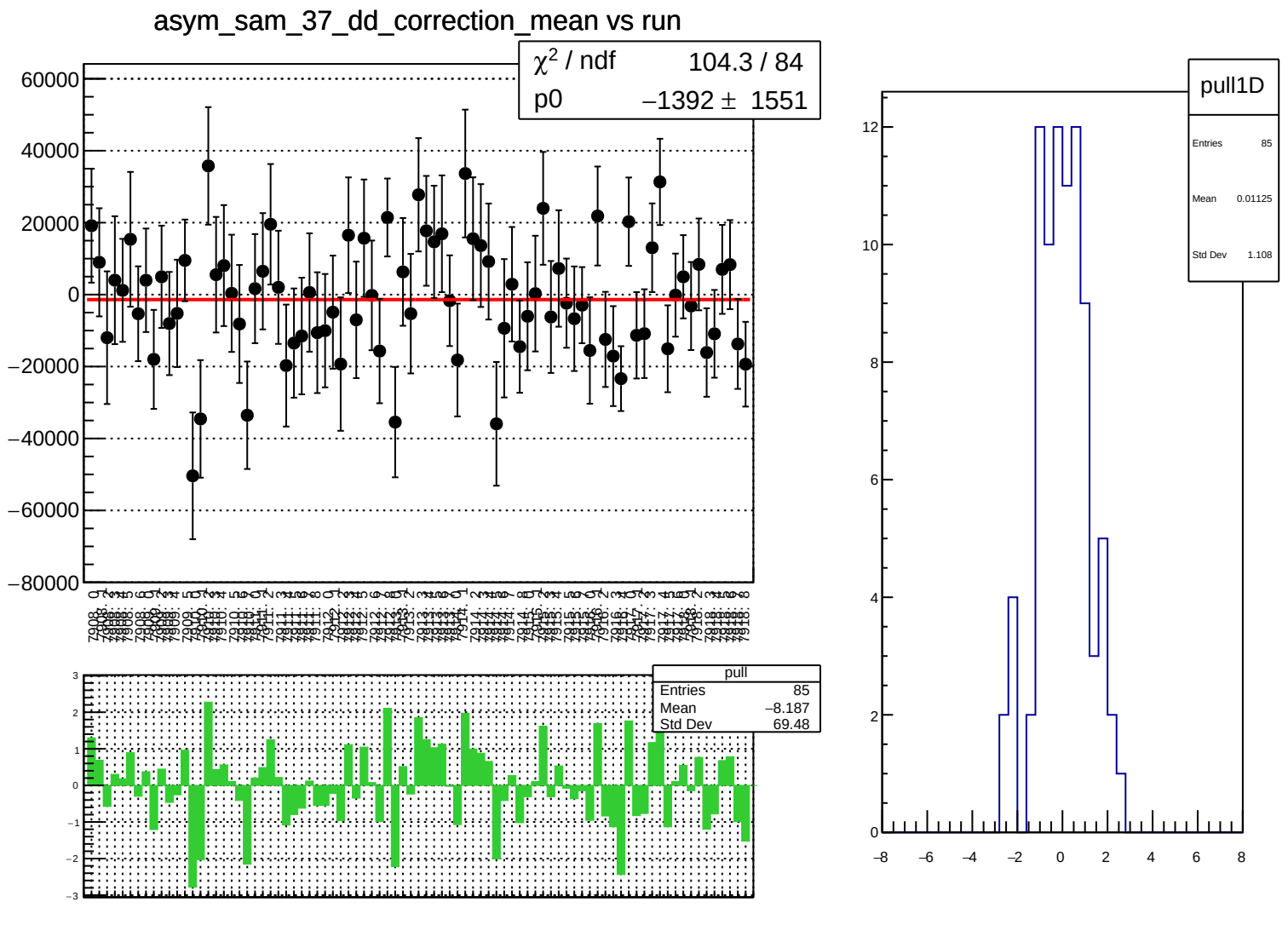
asym_sam_26_dd_rms vs run

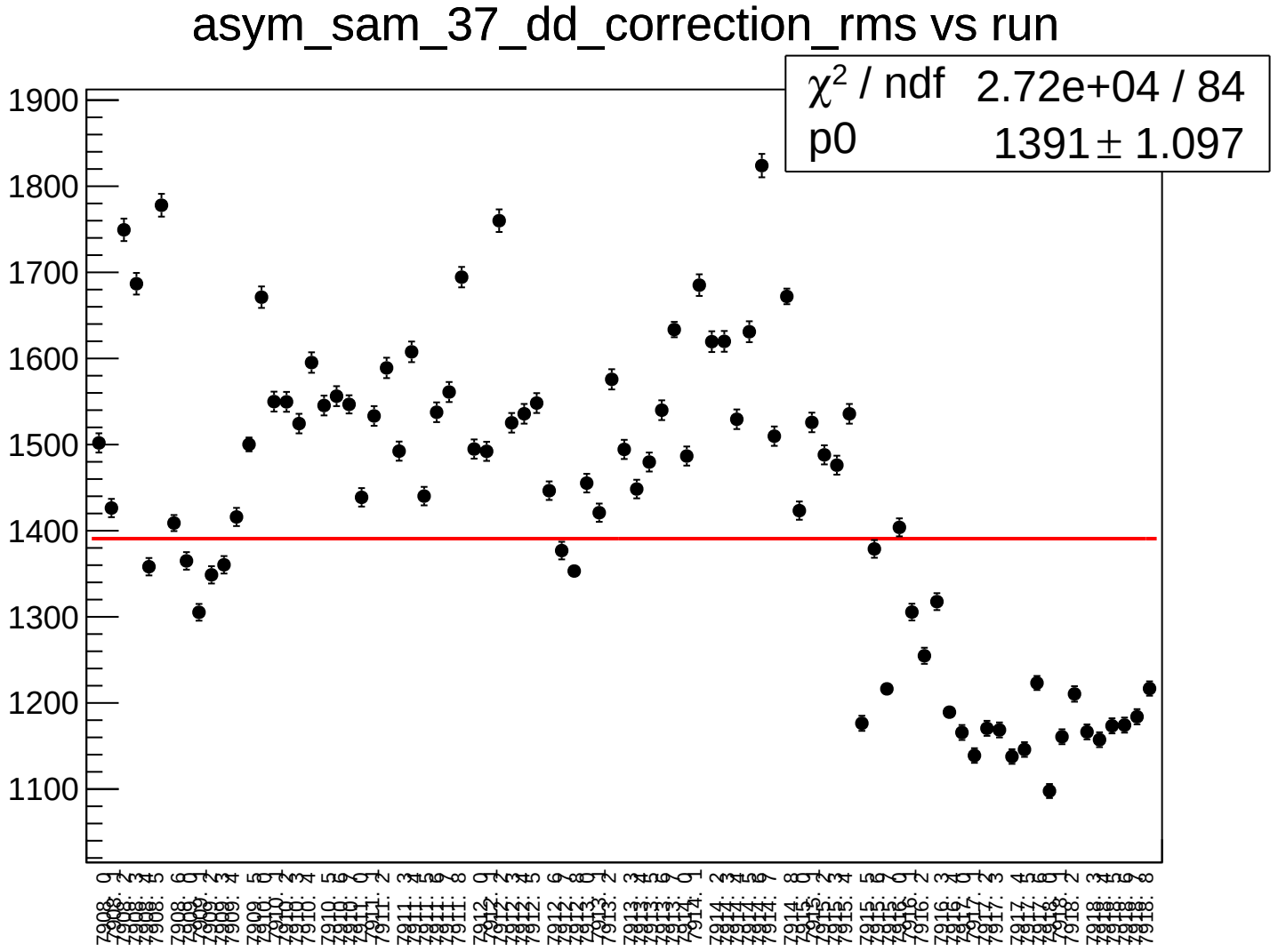


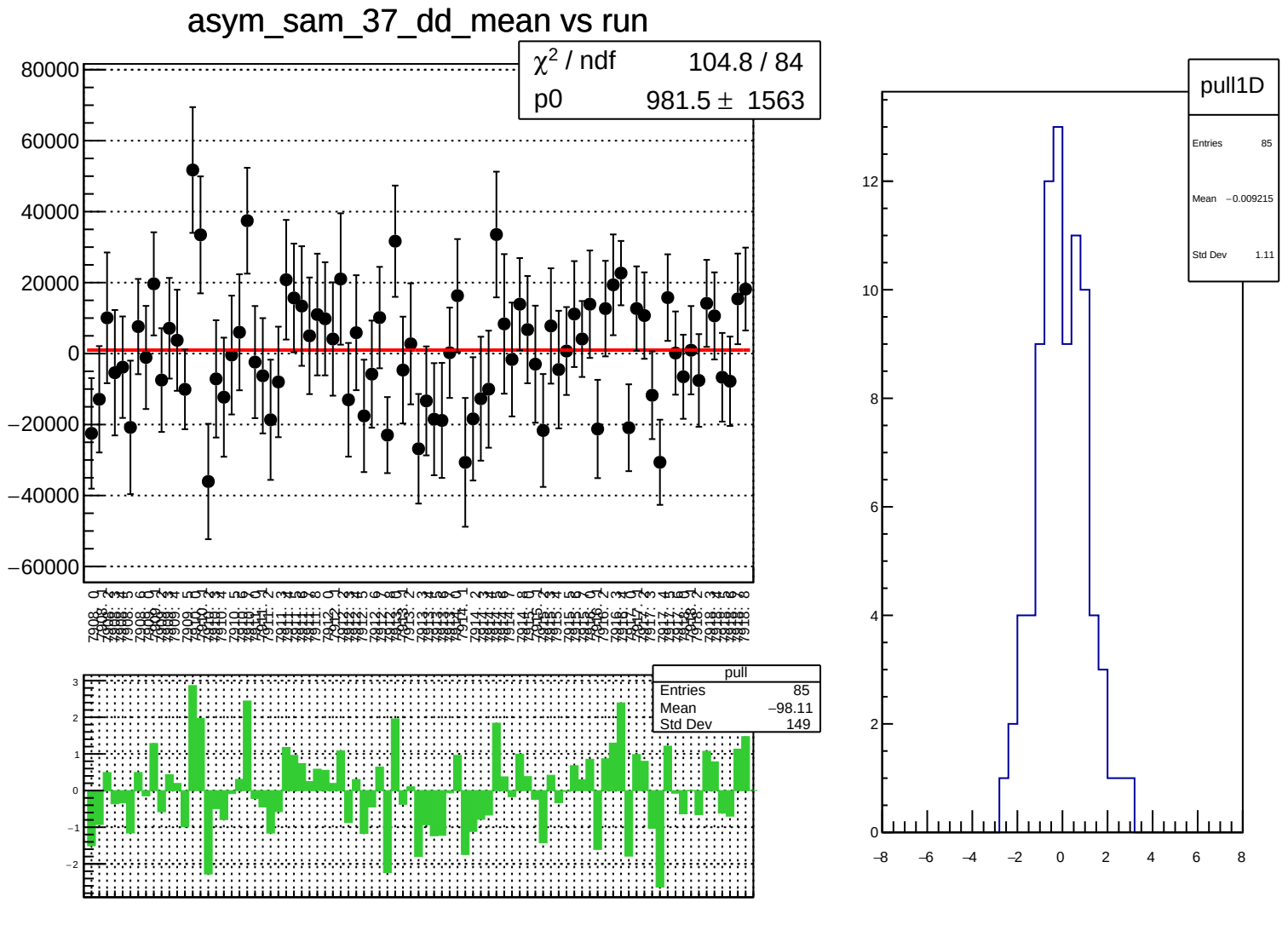

dit_asym_sam_37_dd_mean vs run
χ² / ndf 98.3 / 84
p0 −280.7 ± 221.8
pull
Entries 85
Mean −264.4
Std Dev 300.3
pull1D
Entries 85
Mean −0.01477
Std Dev 1.075

dit_asym_sam_37_dd_rms vs run

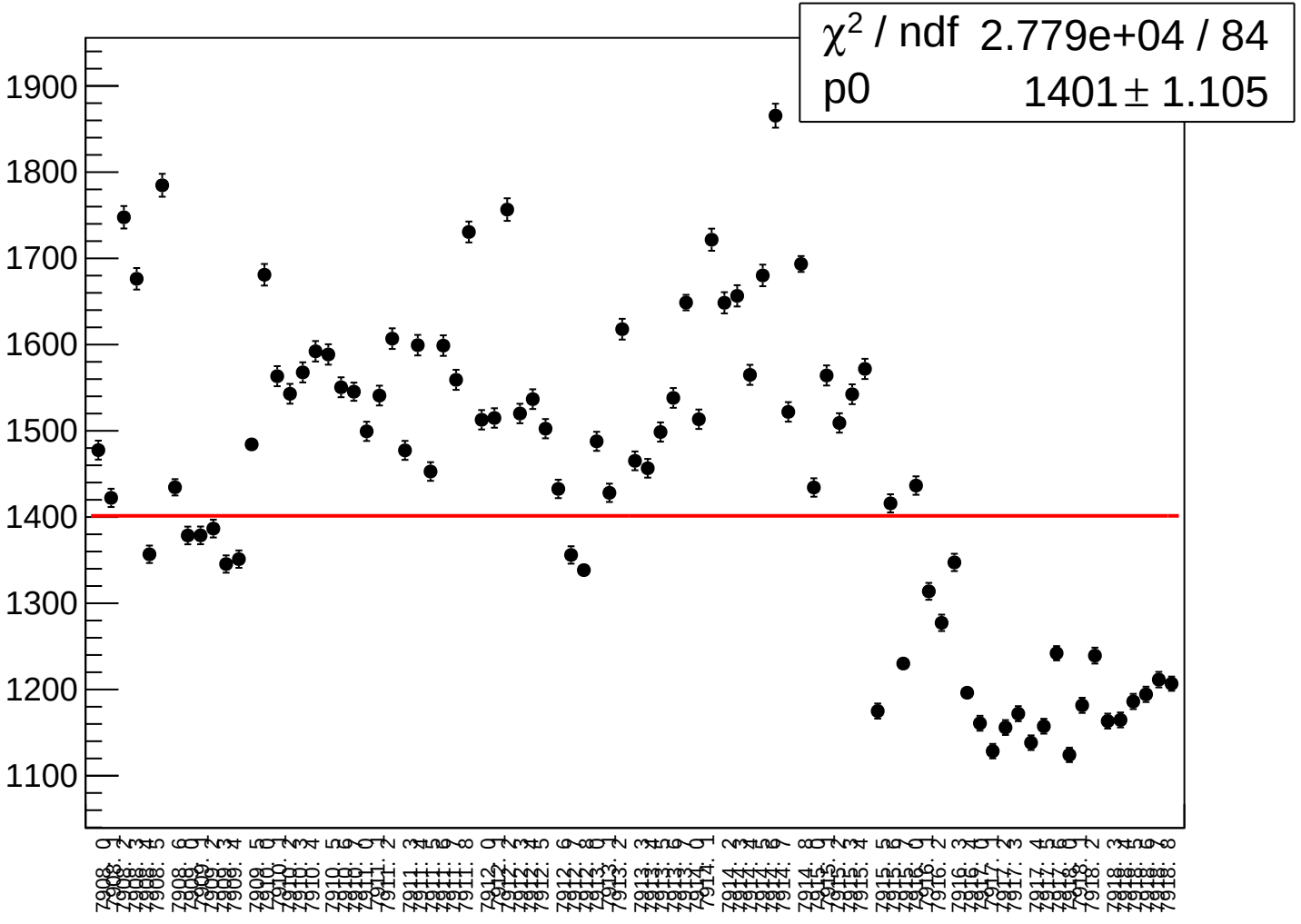


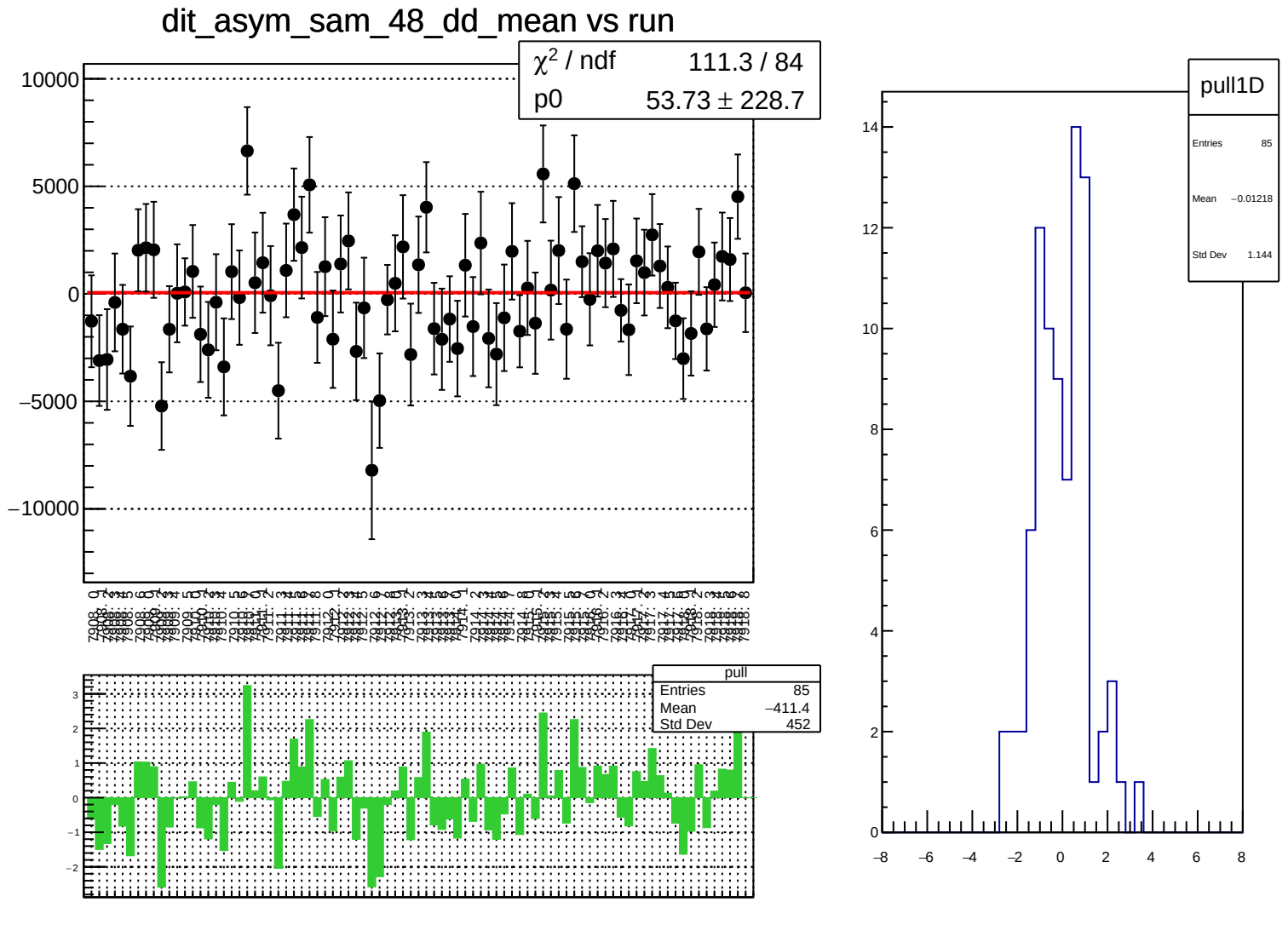

asym_sam_37_dd_correction_mean vs run
χ² / ndf 104.3 / 84
p0 −1392 ± 1551
pull
Entries 85
Mean −8.187
Std Dev 69.48
pull1D
Entries 85
Mean 0.01125
Std Dev 1.108


asym_sam_37_dd_correction_rms vs run
χ² / ndf 2.72e+04 / 84
p0 1391 ± 1.097
1900
1800
1700
1600
1500
1400
1300
1200
1100

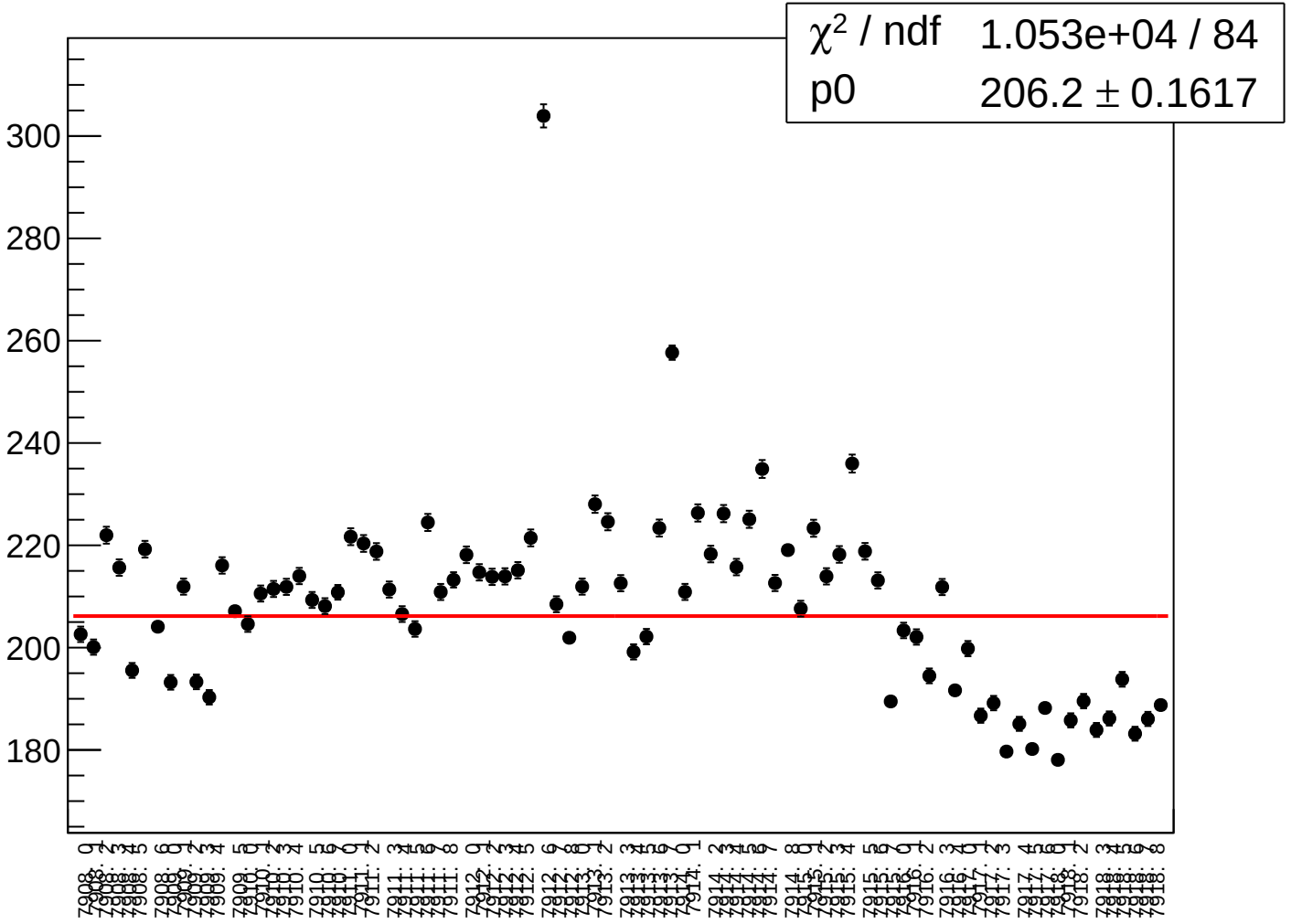

asym_sam_37_dd_mean vs run
χ² / ndf 104.8 / 84
p0 981.5 ± 1563
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −98.11
Std Dev 149
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.009215
Std Dev 1.11
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

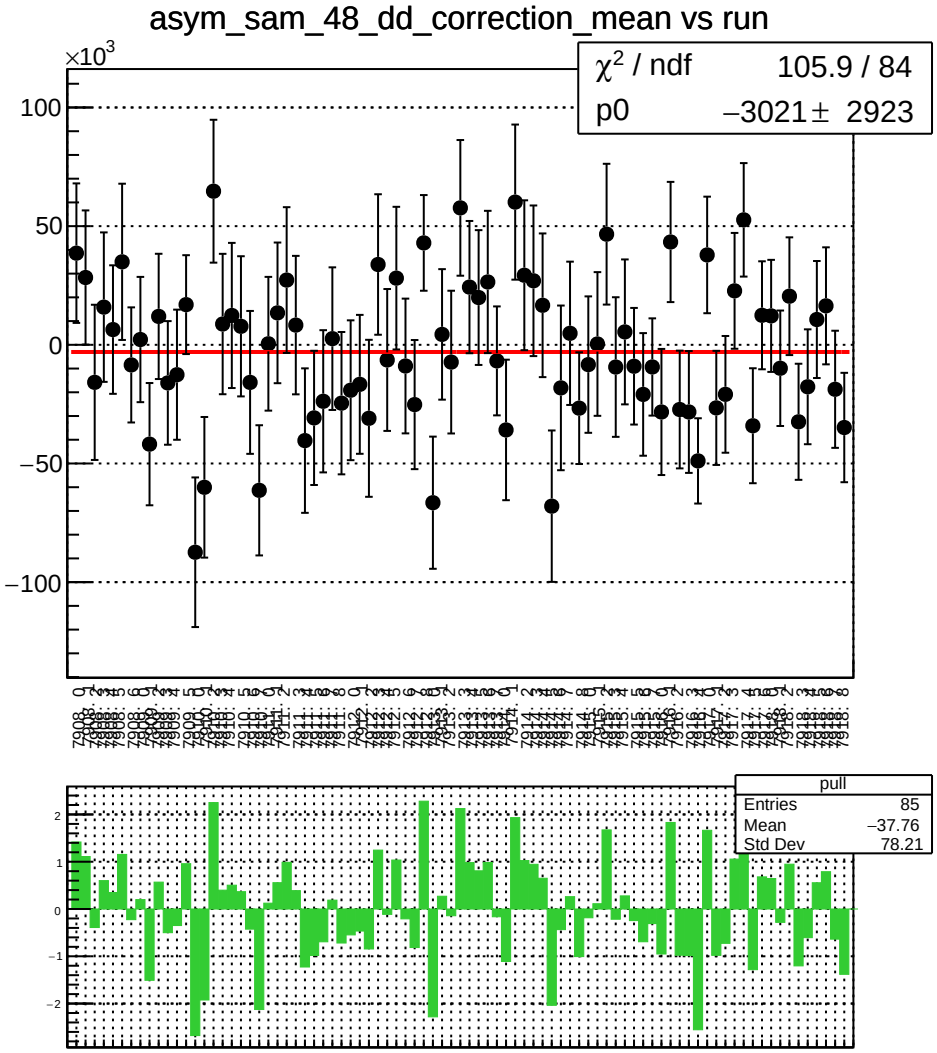
asym_sam_37_dd_rms vs run

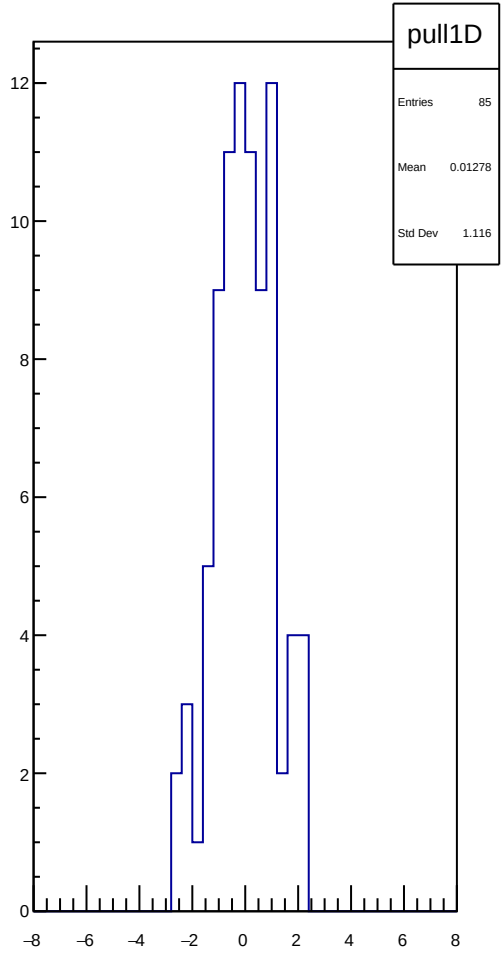



dit_asym_sam_48_dd_mean vs run
χ² / ndf 111.3 / 84
p0 53.73 ± 228.7
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −411.4
Std Dev 452
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01218
Std Dev 1.144
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

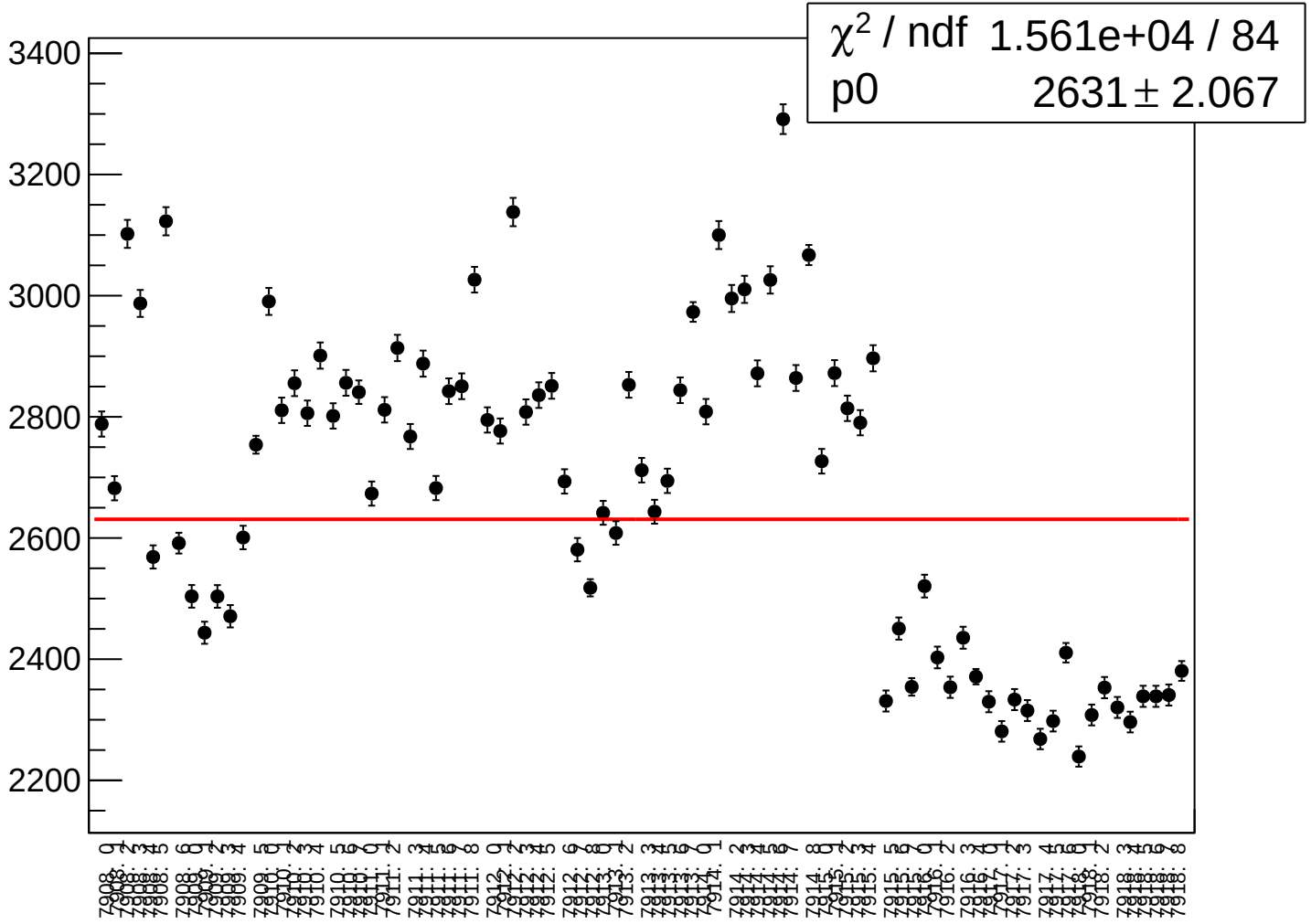
dit_asym_sam_48_dd_rms vs run

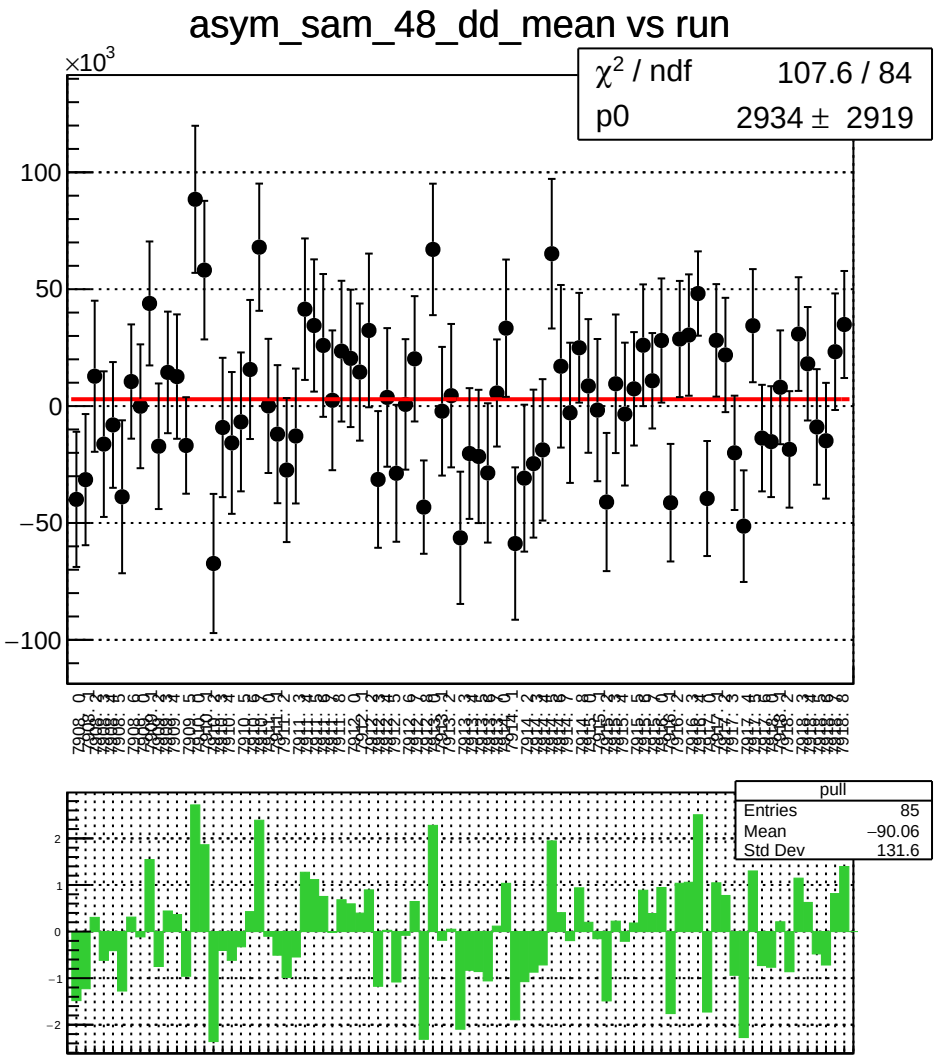


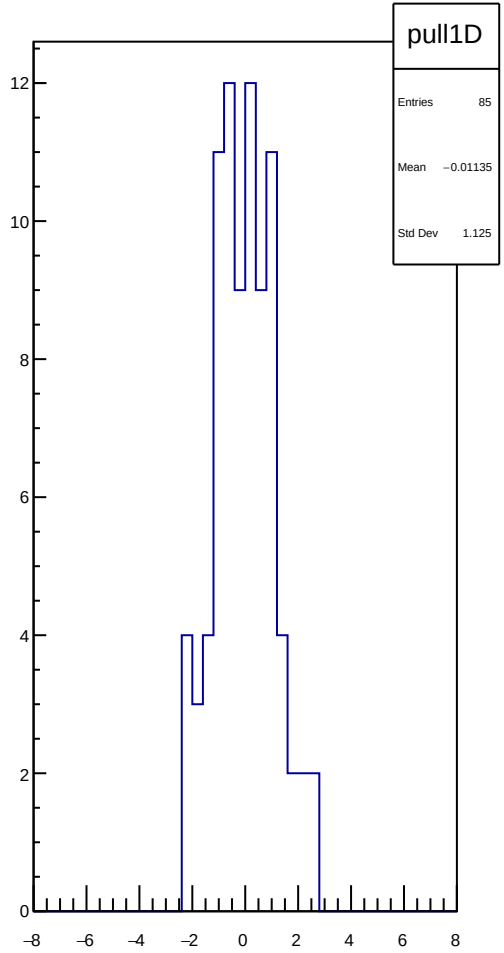

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 105.9 / 84
p0 −3021 ± 2923
pull
Entries 85
Mean −37.76
Std Dev 78.21


pull1D
Entries 85
Mean 0.01278
Std Dev 1.116

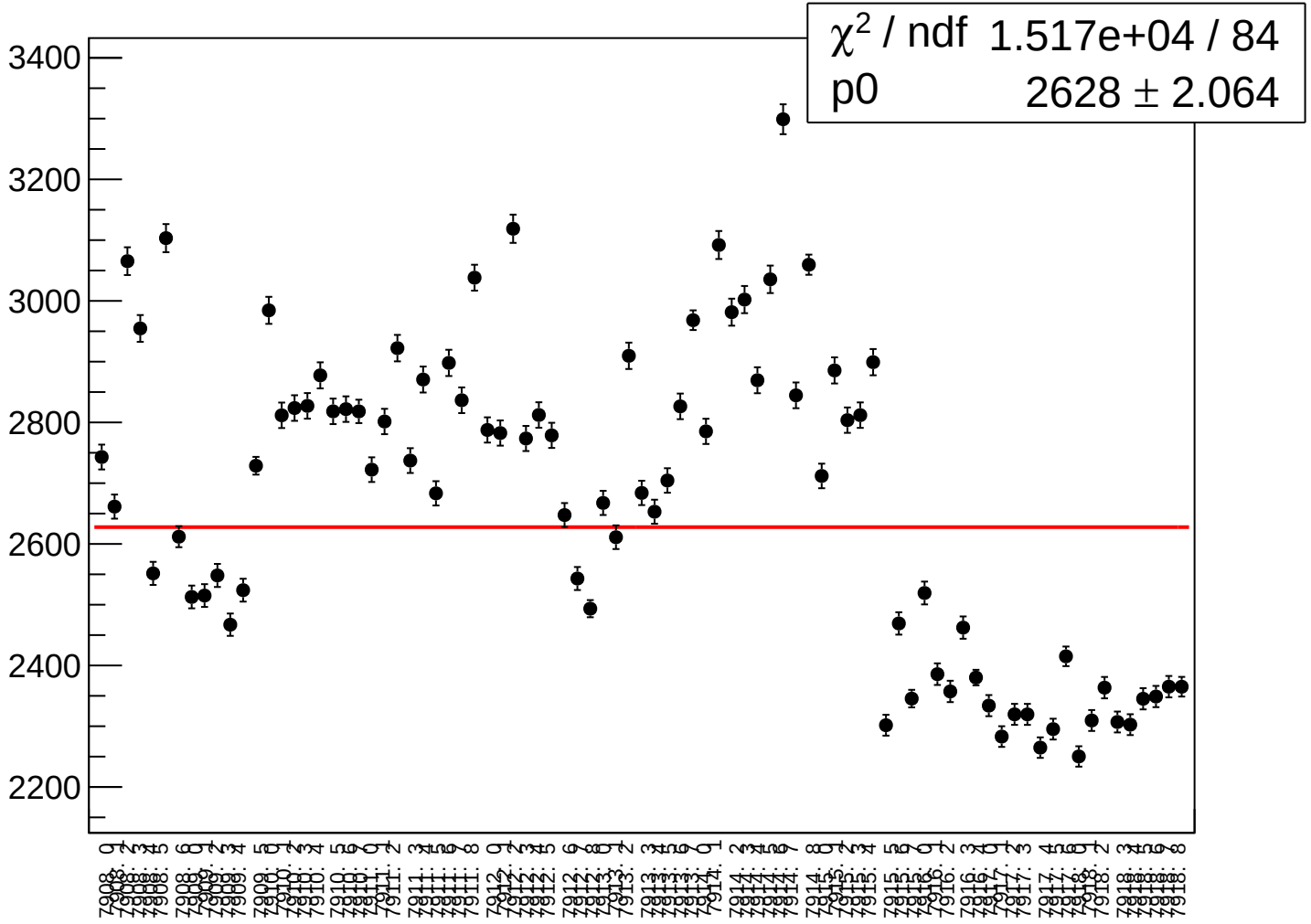
asym_sam_48_dd_correction_rms vs run

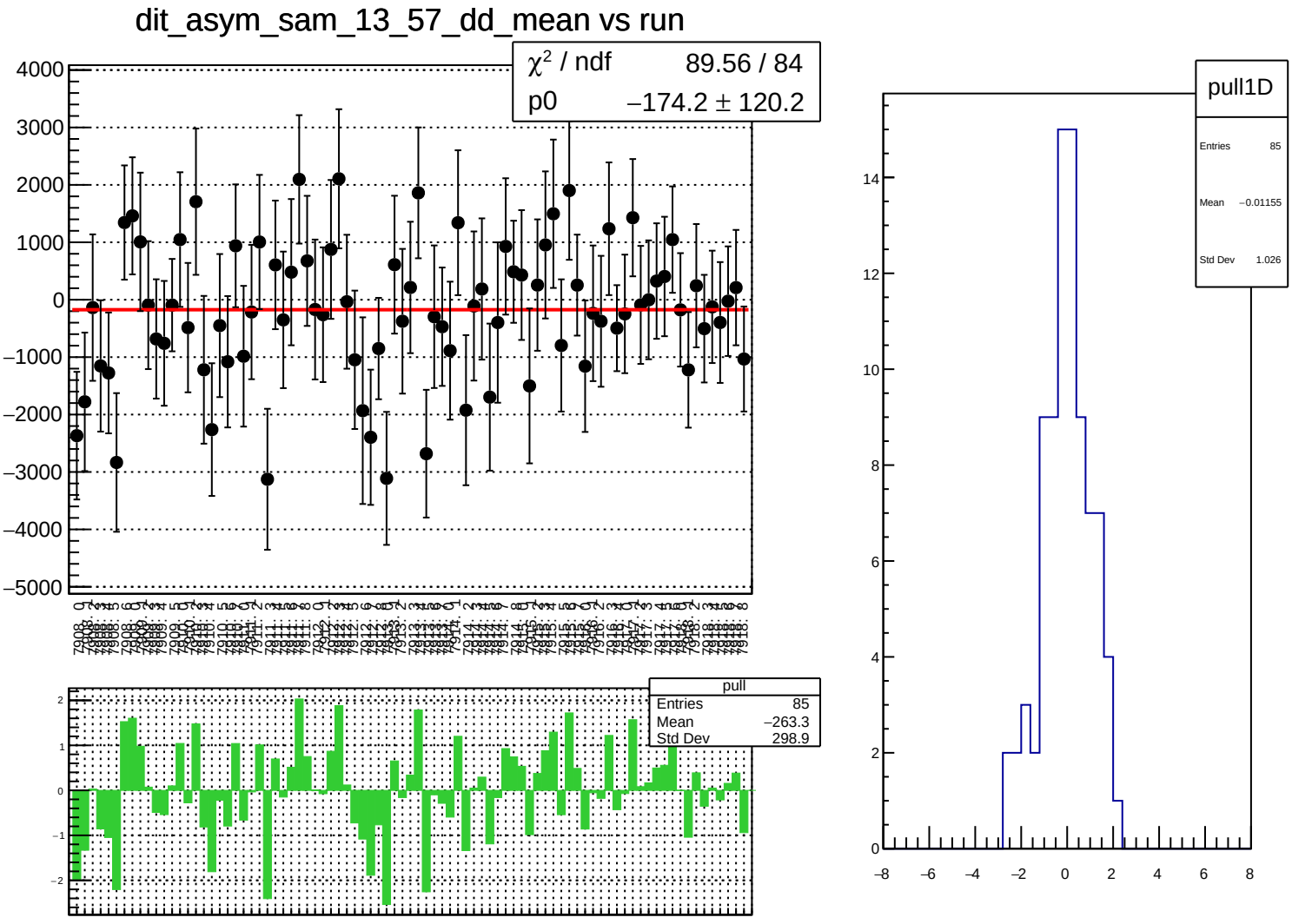



asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 107.6 / 84
p0 2934 ± 2919
100
50
0
−50
−100
pull
Entries 85
Mean −90.06
Std Dev 131.6
2
1
0
−1
−2

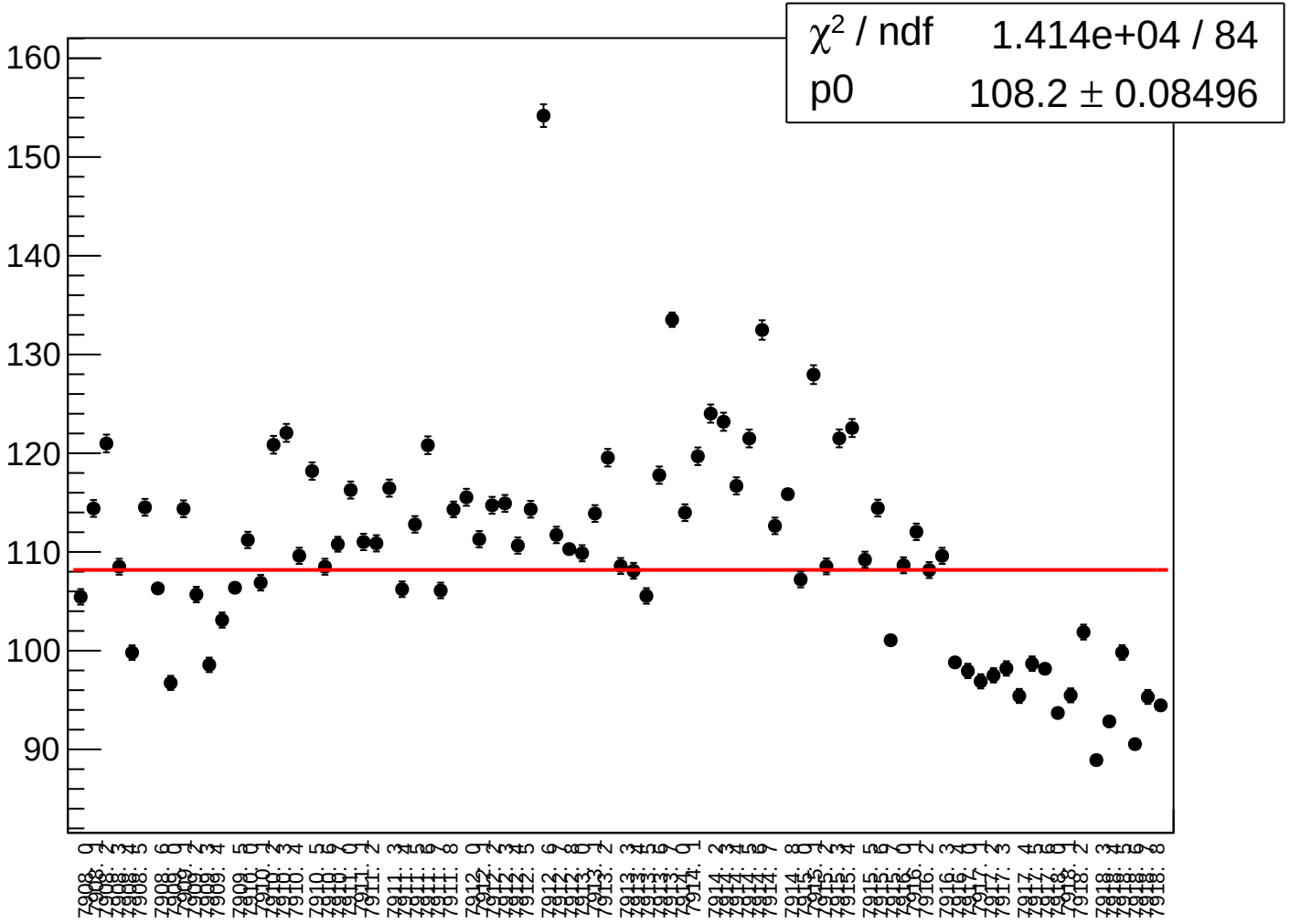

pull1D
Entries 85
Mean −0.01135
Std Dev 1.125
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

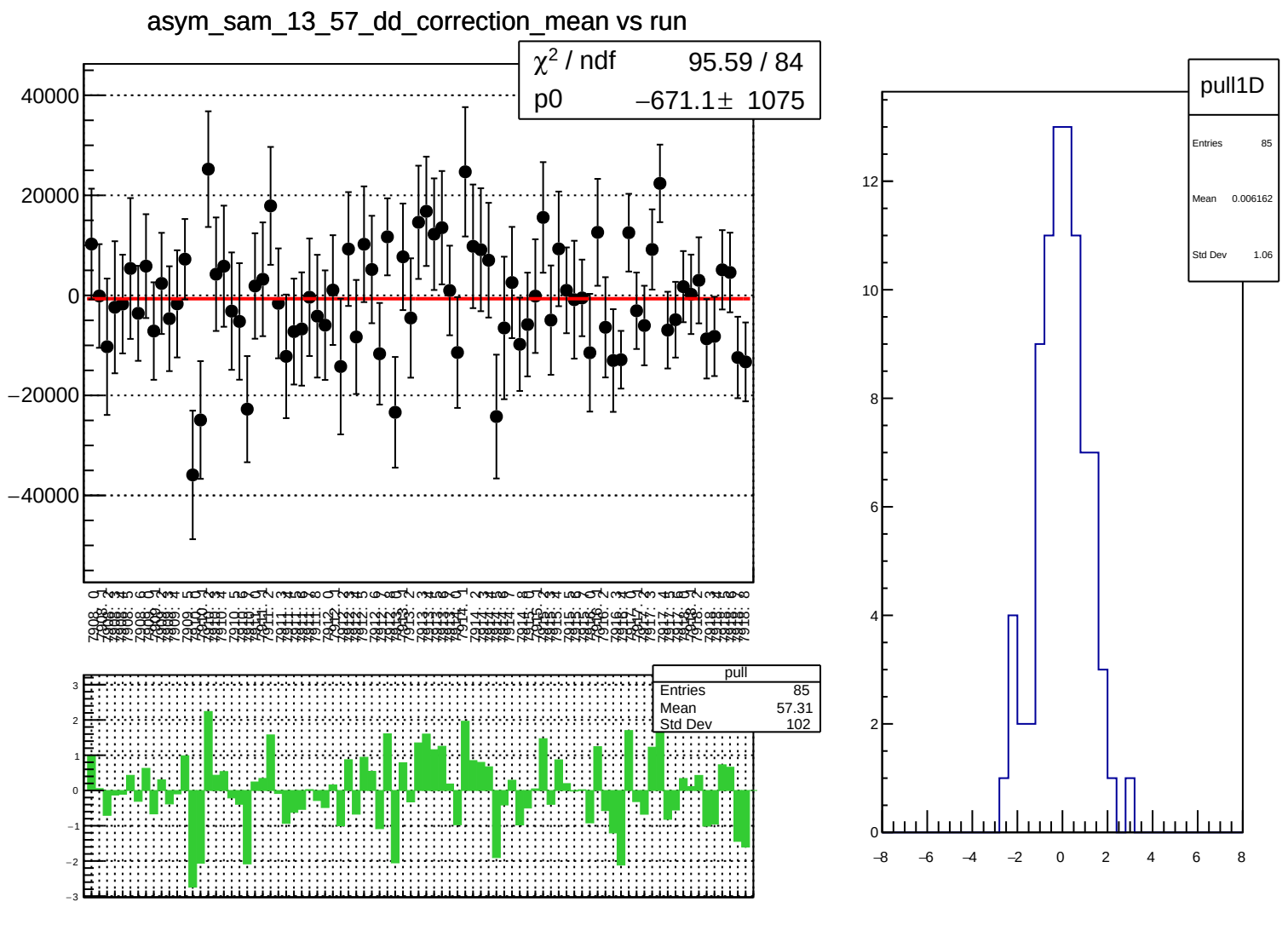
asym_sam_48_dd_rms vs run

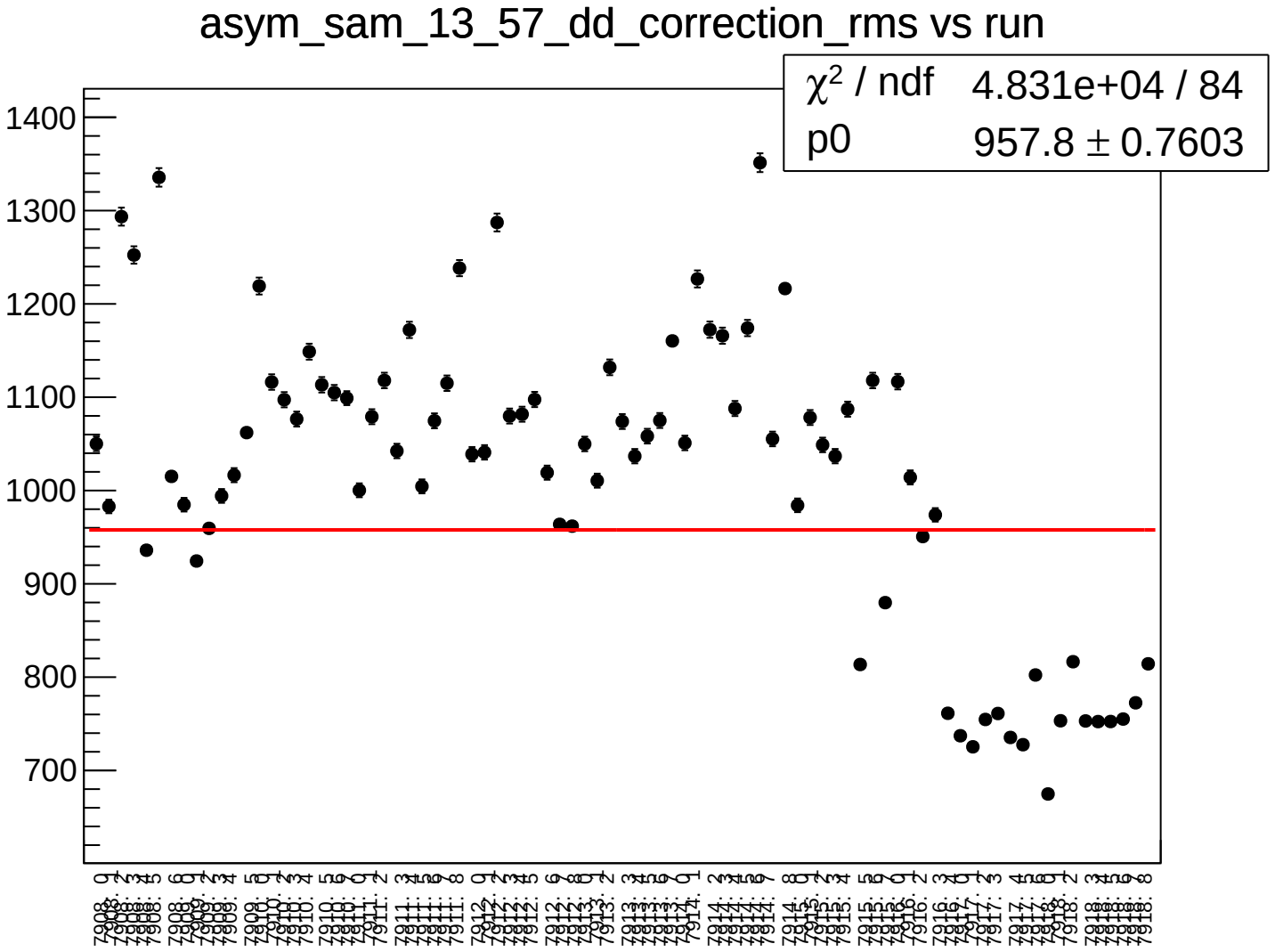


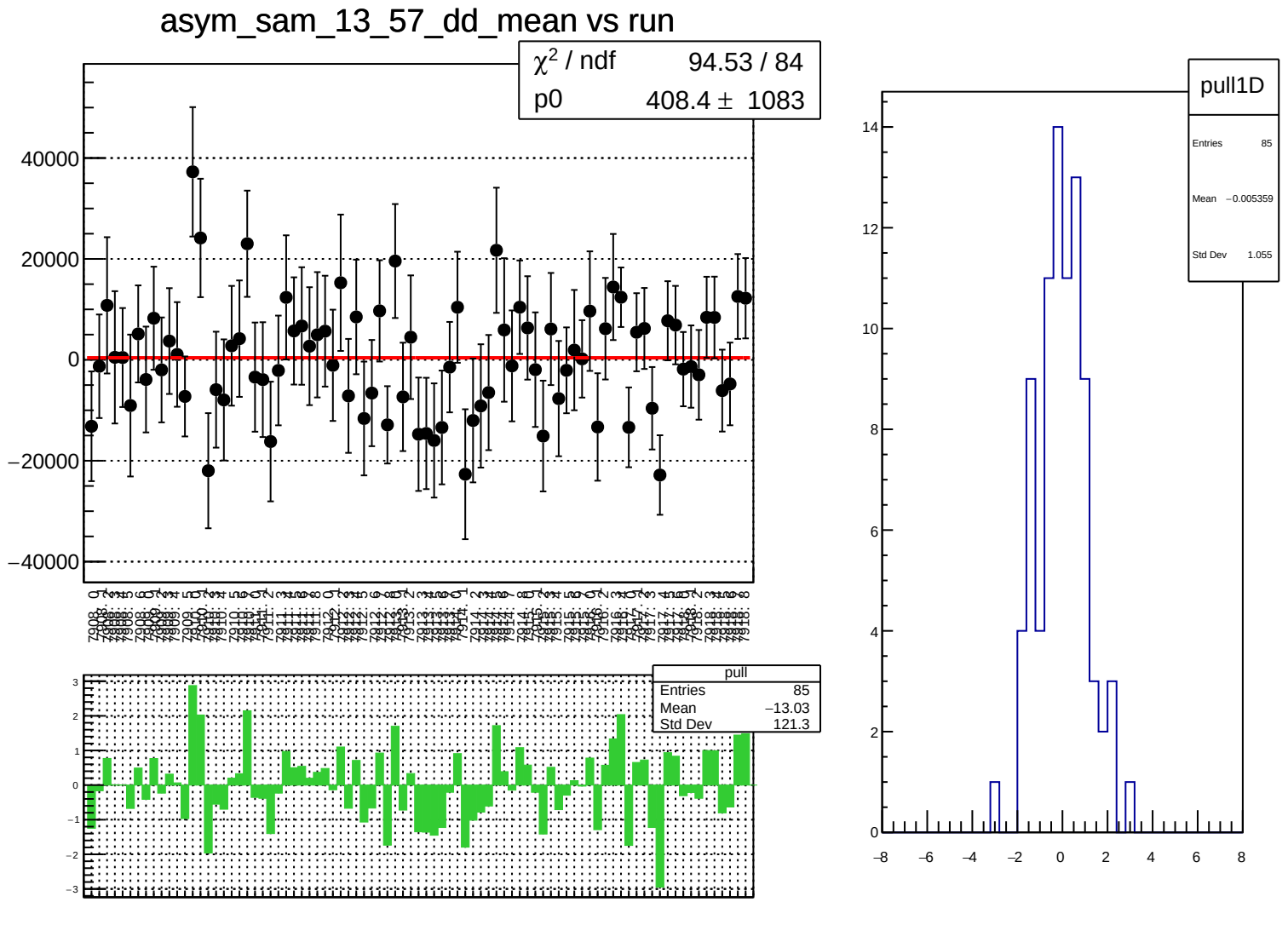

dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 89.56 / 84
p0 −174.2 ± 120.2
pull
Entries 85
Mean −263.3
Std Dev 298.9
pull1D
Entries 85
Mean −0.01155
Std Dev 1.026

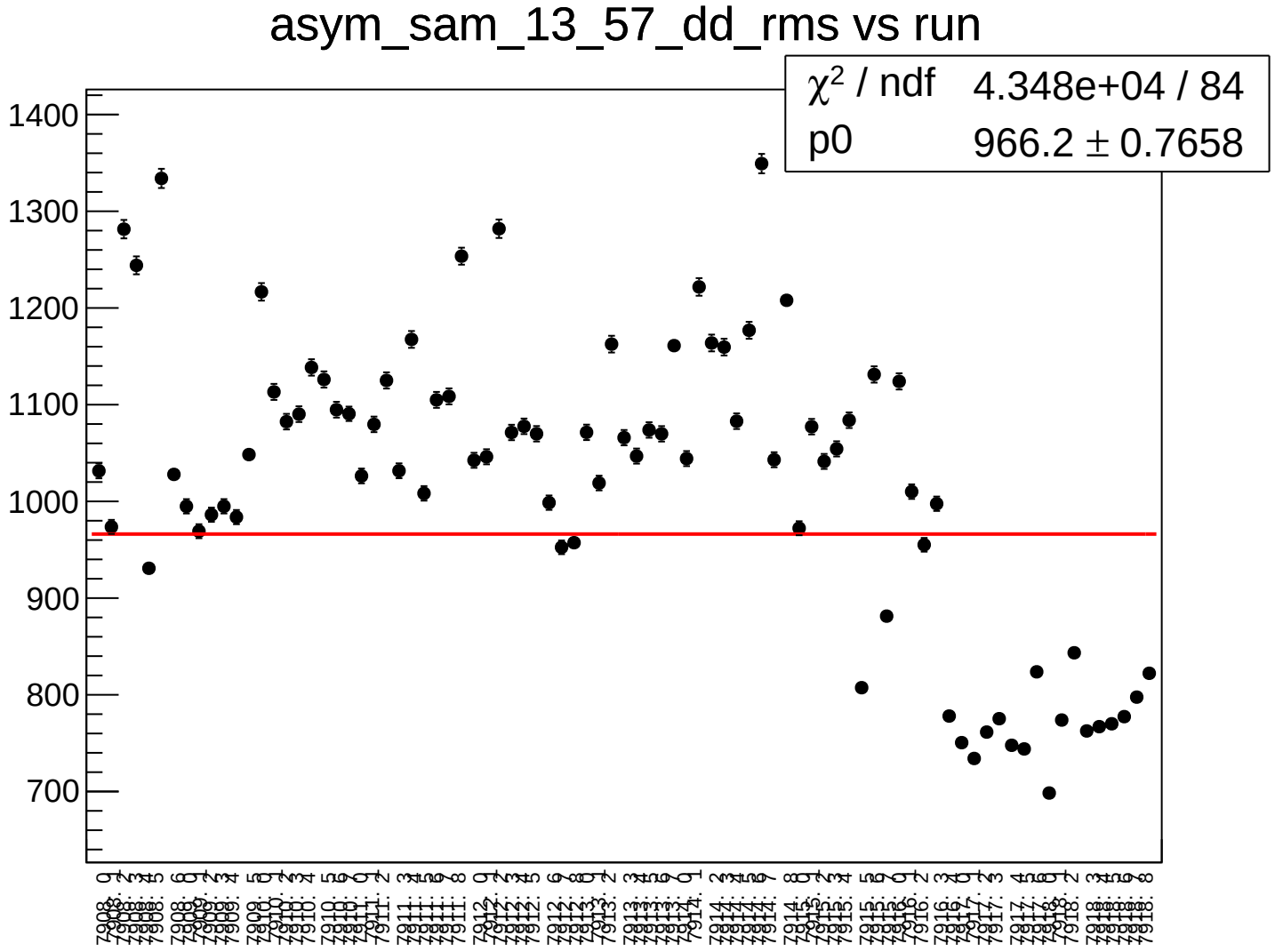
dit_asym_sam_13_57_dd_rms vs run

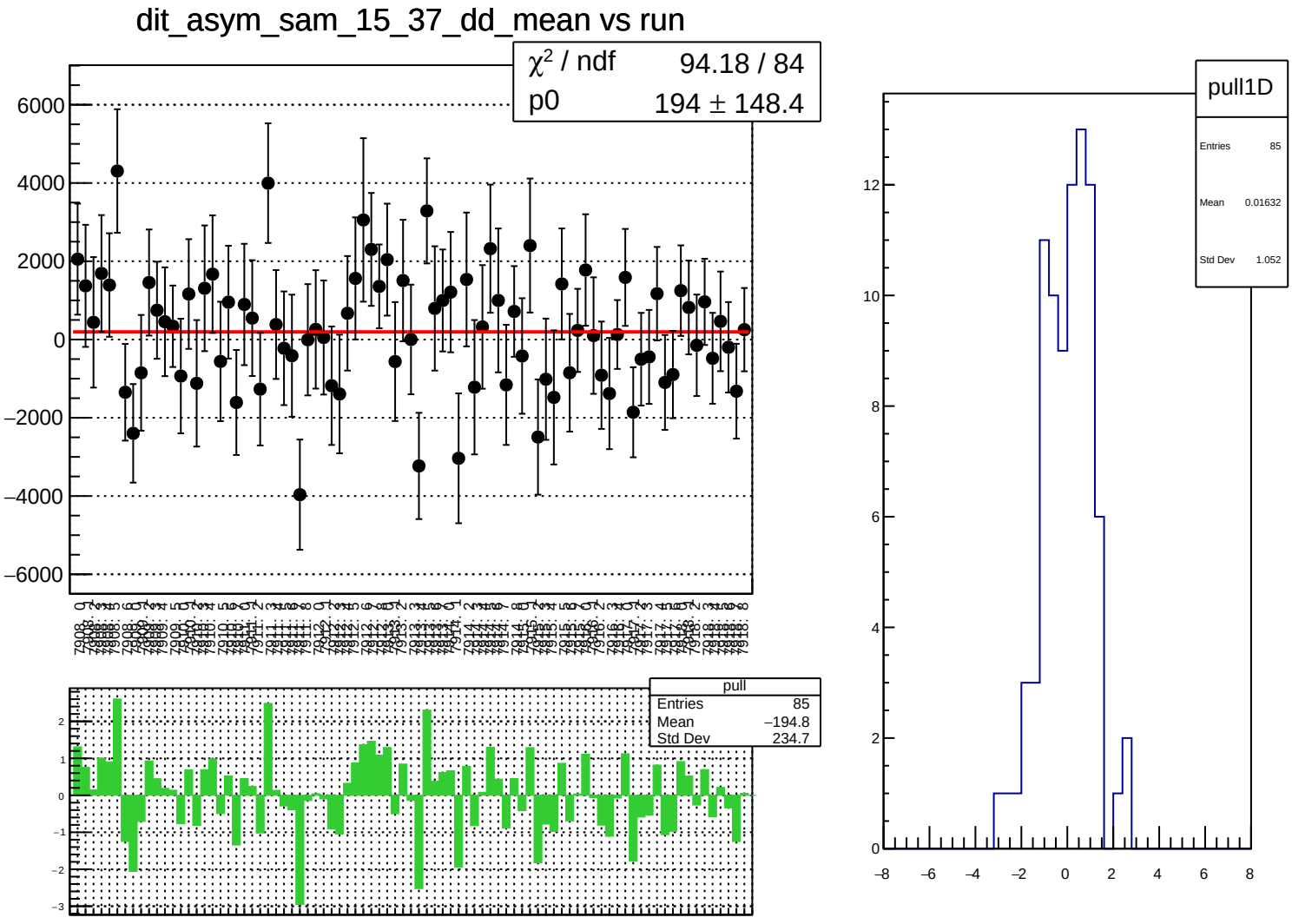



asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 95.59 / 84
p0 −671.1± 1075
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 57.31
Std Dev 102
pull1D
Entries 85
Mean 0.006162
Std Dev 1.06

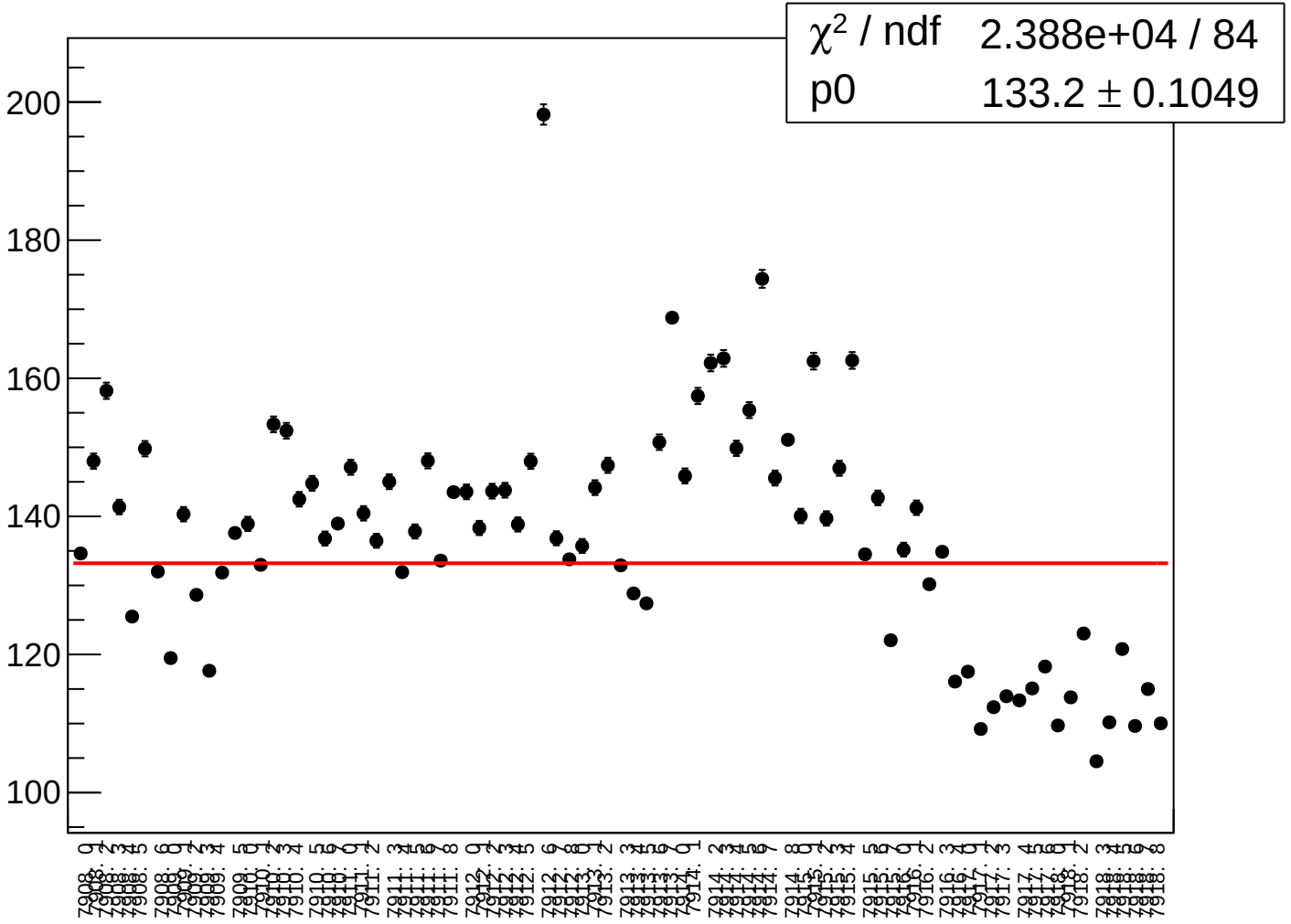

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 4.831e+04 / 84
p0 957.8 ± 0.7603
1400
1300
1200
1100
1000
900
800
700

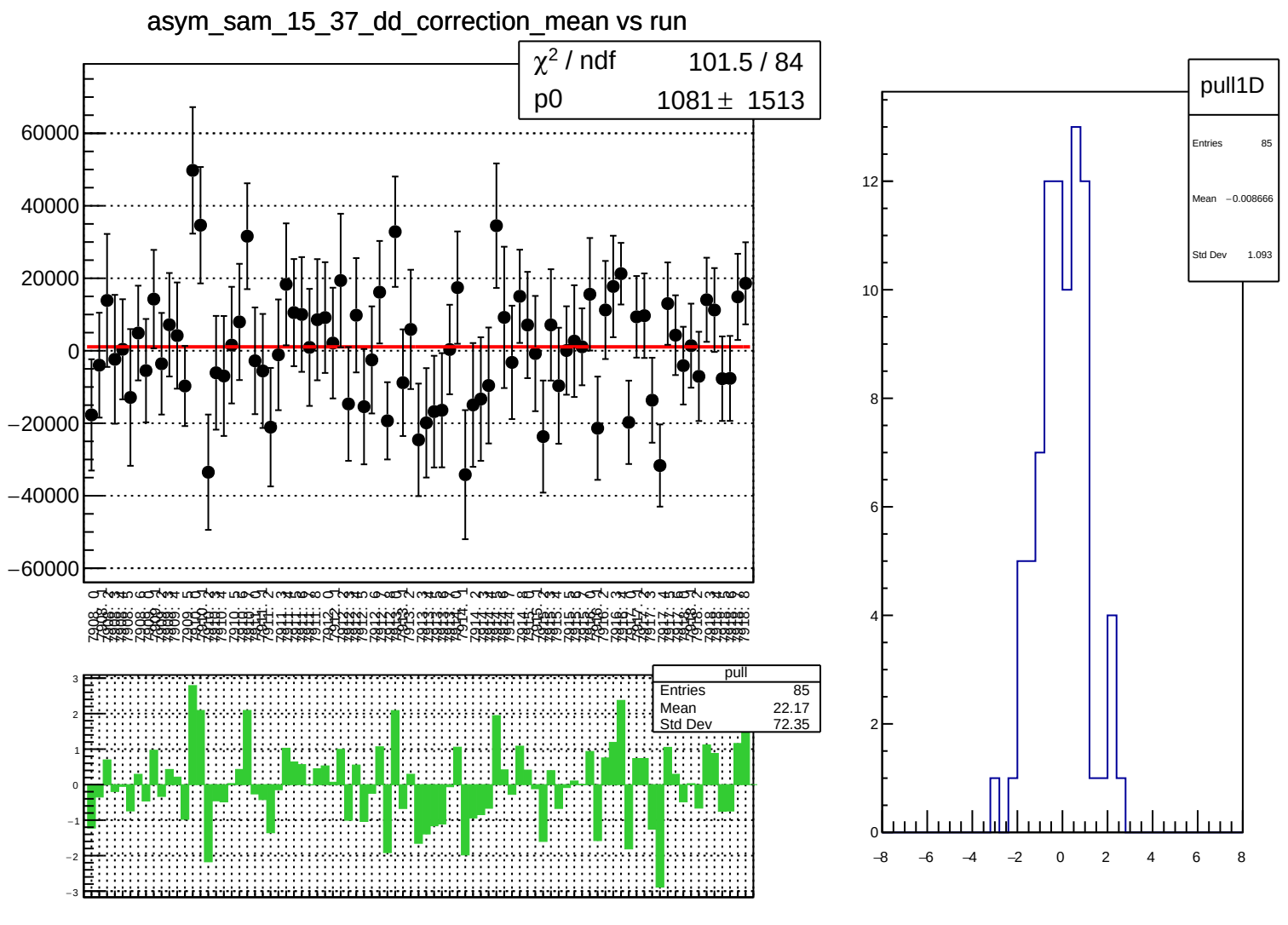

asym_sam_13_57_dd_mean vs run
χ² / ndf 94.53 / 84
p0 408.4 ± 1083
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −13.03
Std Dev 121.3
pull1D
Entries 85
Mean −0.005359
Std Dev 1.055

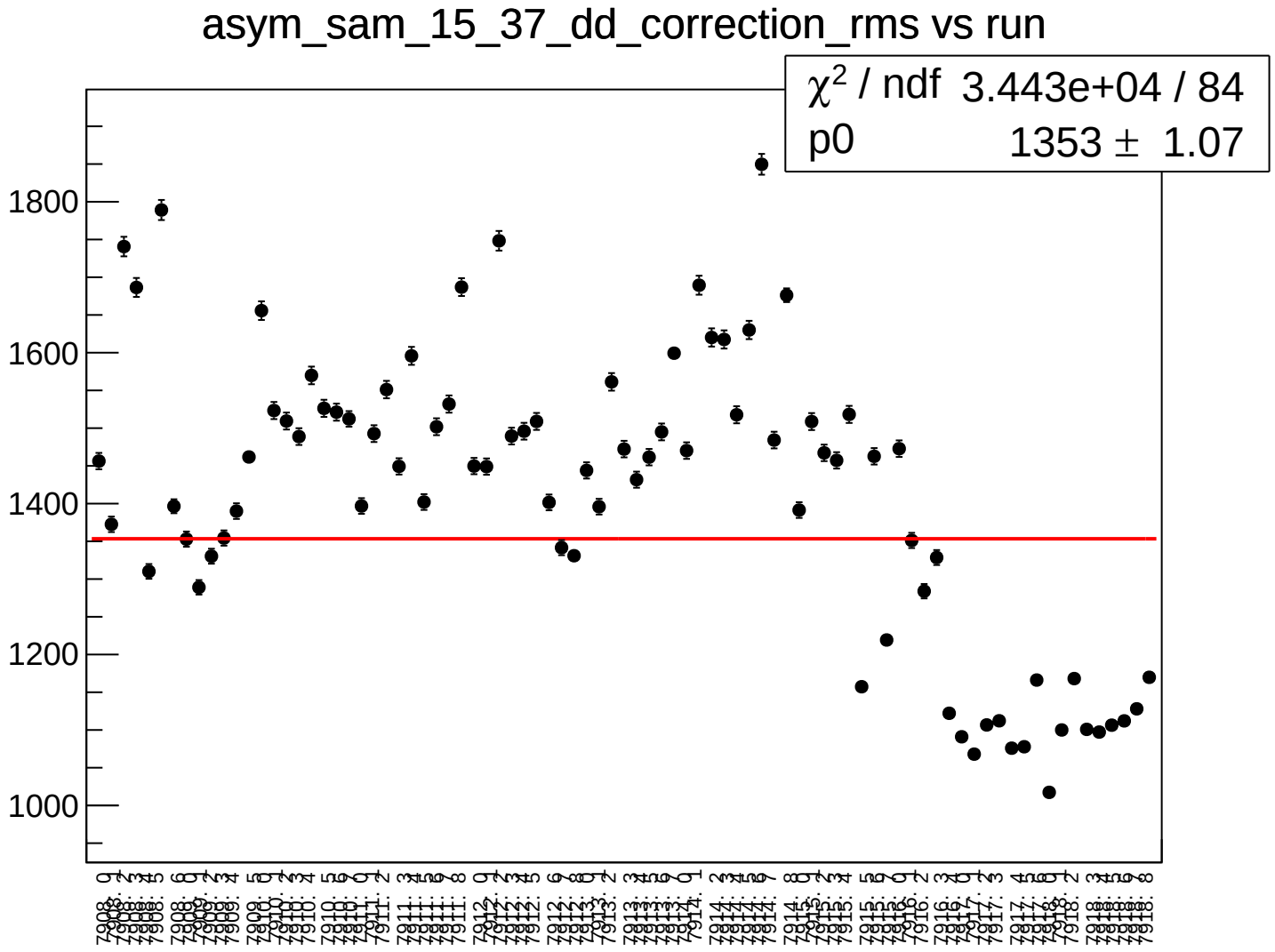

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 4.348e+04 / 84
p0 966.2 ± 0.7658
1400
1300
1200
1100
1000
900
800
700

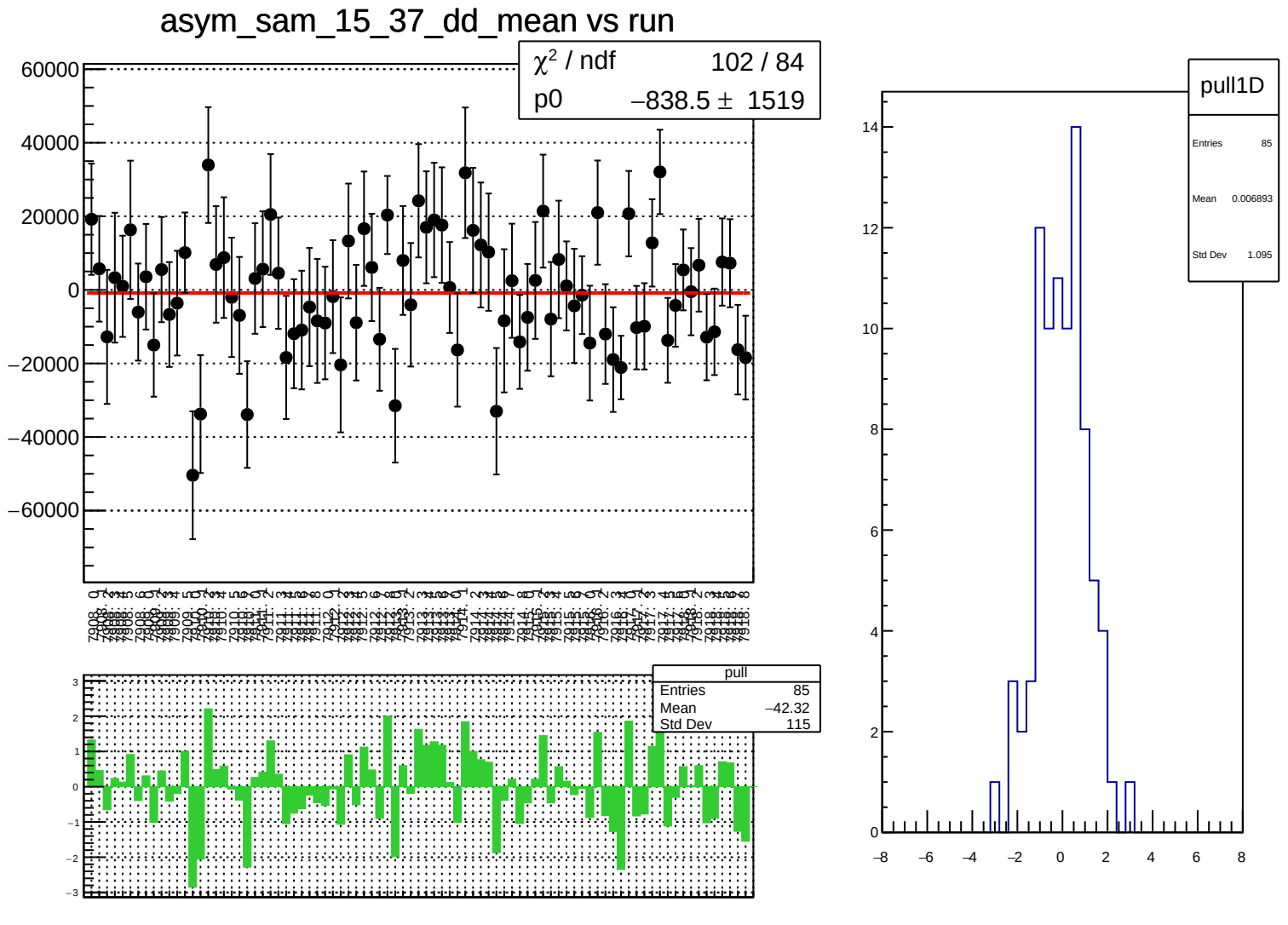

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 94.18 / 84
p0 194 ± 148.4
pull
Entries 85
Mean −194.8
Std Dev 234.7
pull1D
Entries 85
Mean 0.01632
Std Dev 1.052

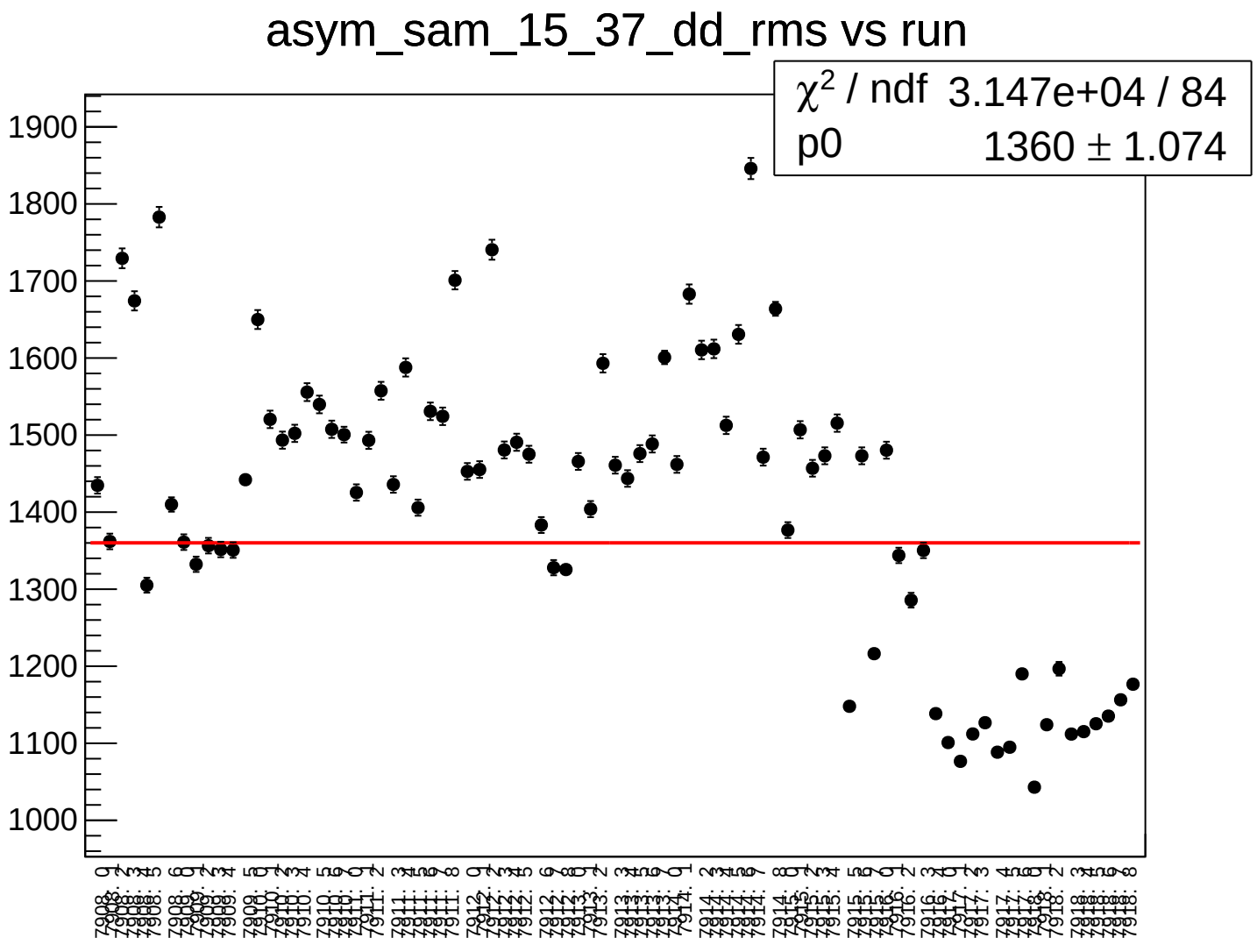
dit_asym_sam_15_37_dd_rms vs run

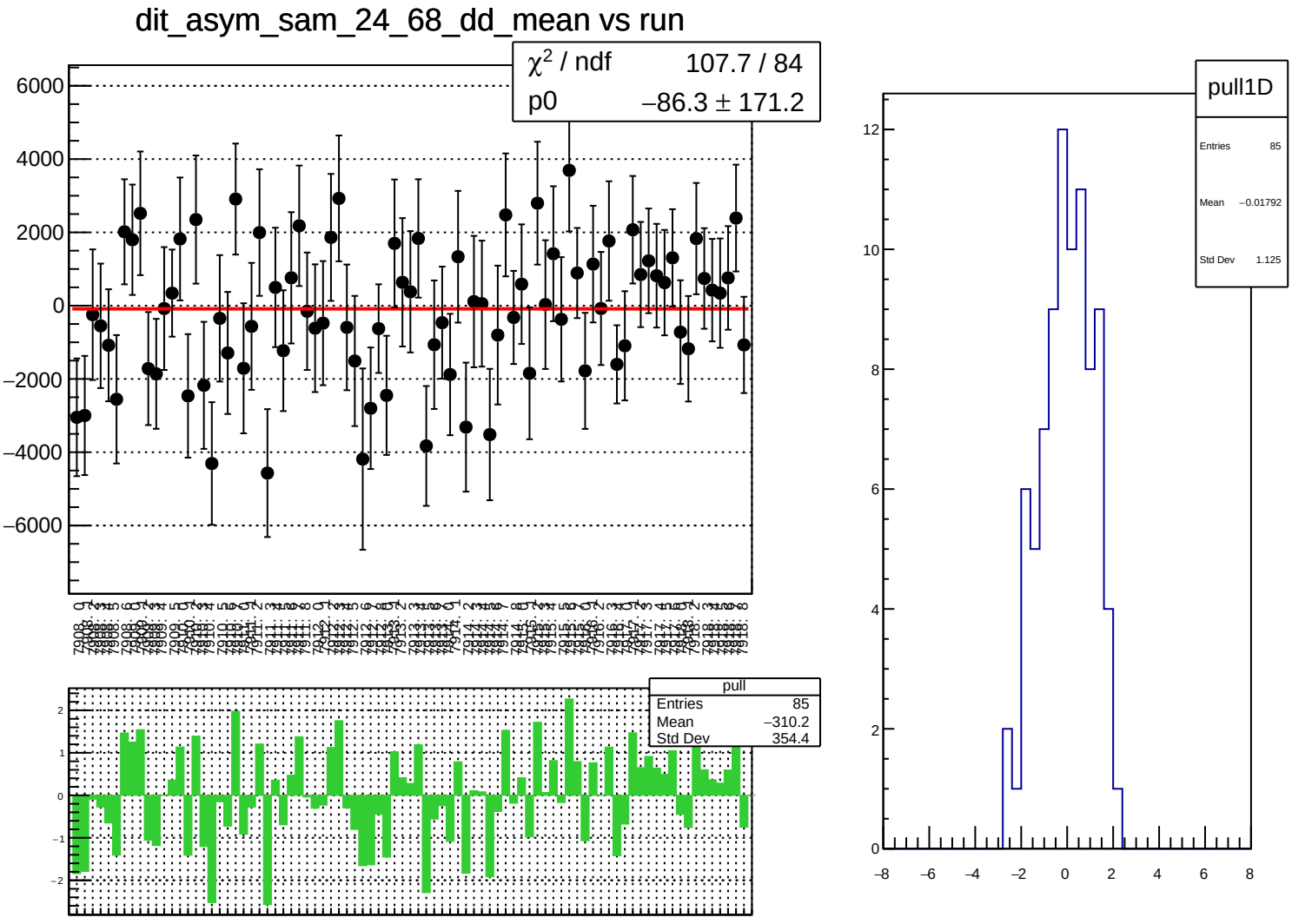



asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 101.5 / 84
p0 1081 ± 1513
pull
Entries 85
Mean 22.17
Std Dev 72.35
pull1D
Entries 85
Mean −0.008666
Std Dev 1.093

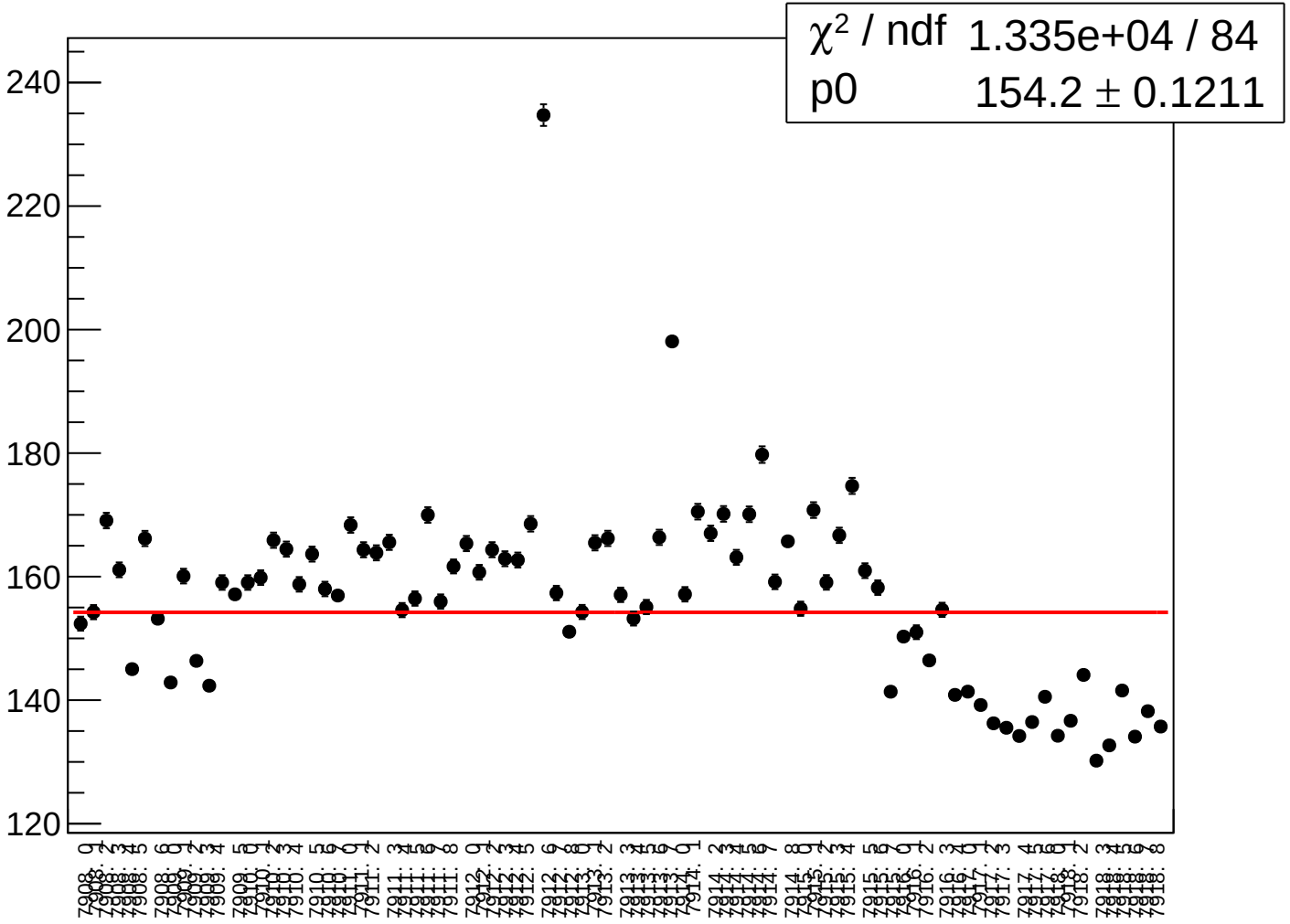

asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 3.443e+04 / 84
p0 1353 ± 1.07
1800
1600
1400
1200
1000

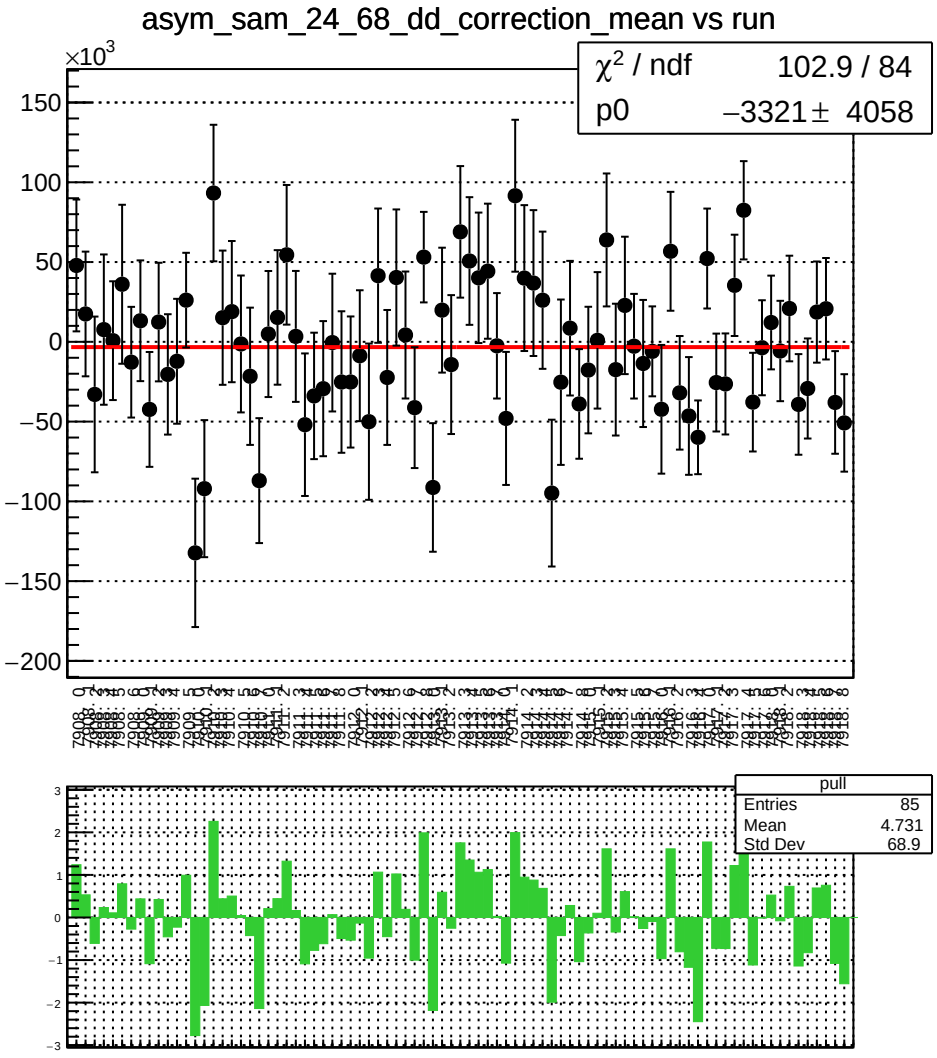

asym_sam_15_37_dd_mean vs run
χ² / ndf 102 / 84
p0 −838.5 ± 1519
pull
Entries 85
Mean −42.32
Std Dev 115
pull1D
Entries 85
Mean 0.006893
Std Dev 1.095

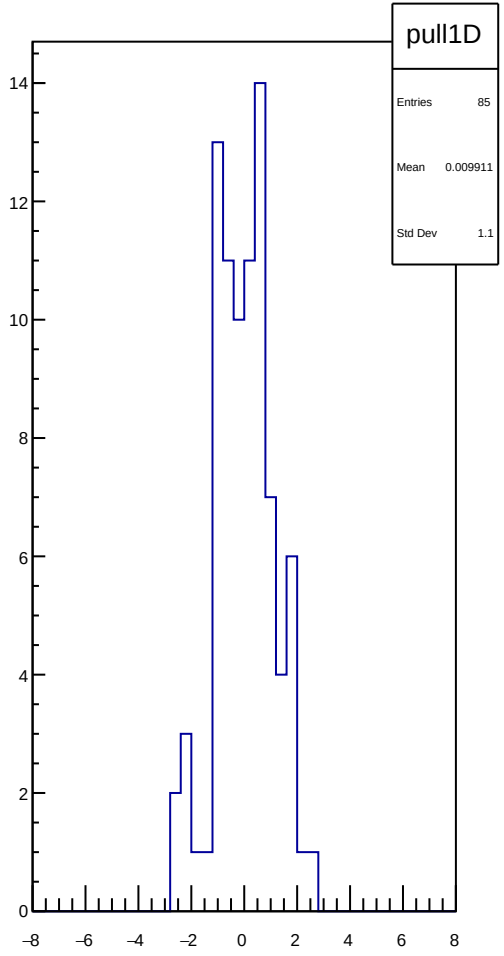

asym_sam_15_37_dd_rms vs run
χ² / ndf 3.147e+04 / 84
p0 1360 ± 1.074
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

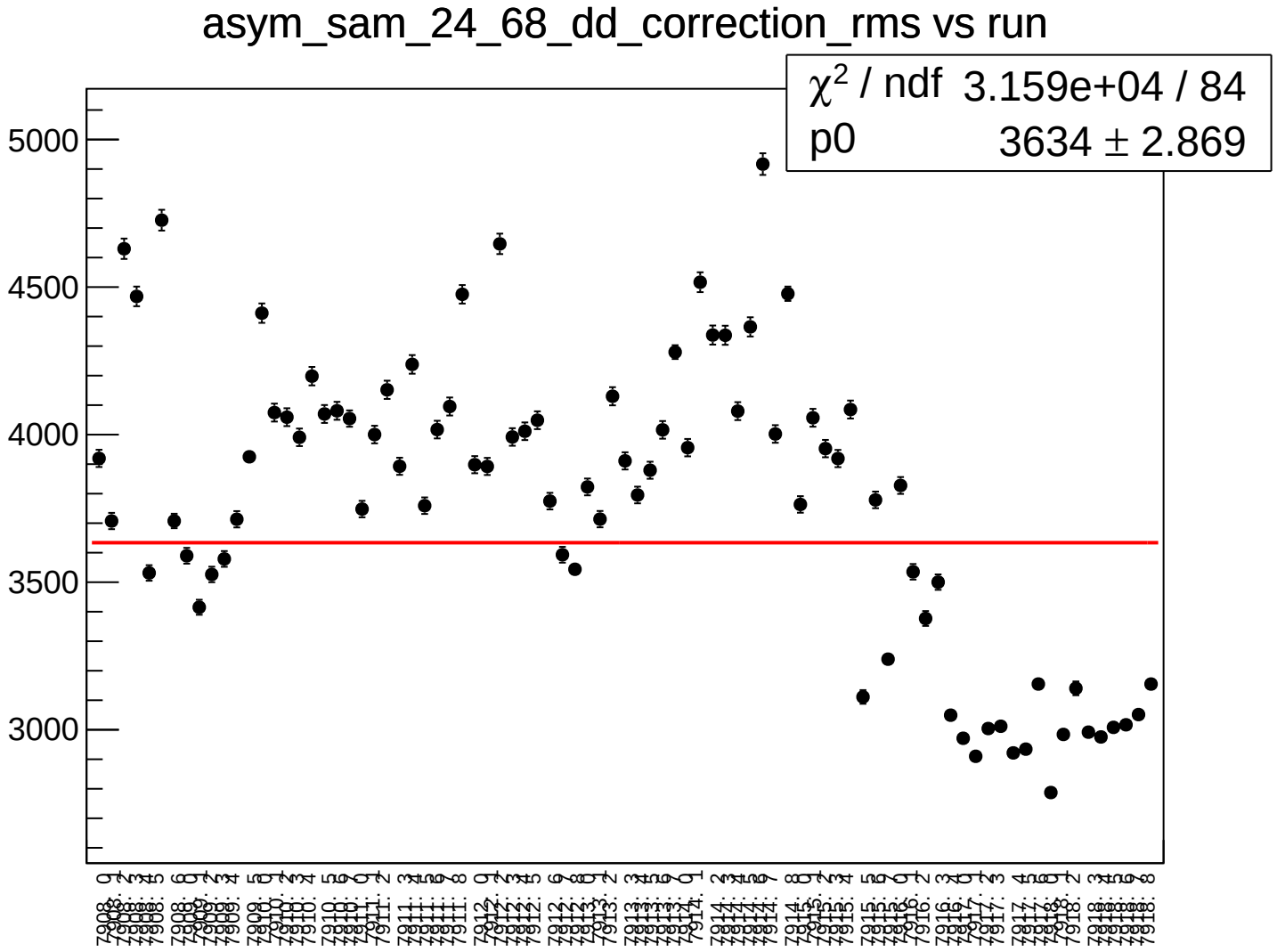

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 107.7 / 84
p0 −86.3 ± 171.2
pull
Entries 85
Mean −310.2
Std Dev 354.4
pull1D
Entries 85
Mean −0.01792
Std Dev 1.125

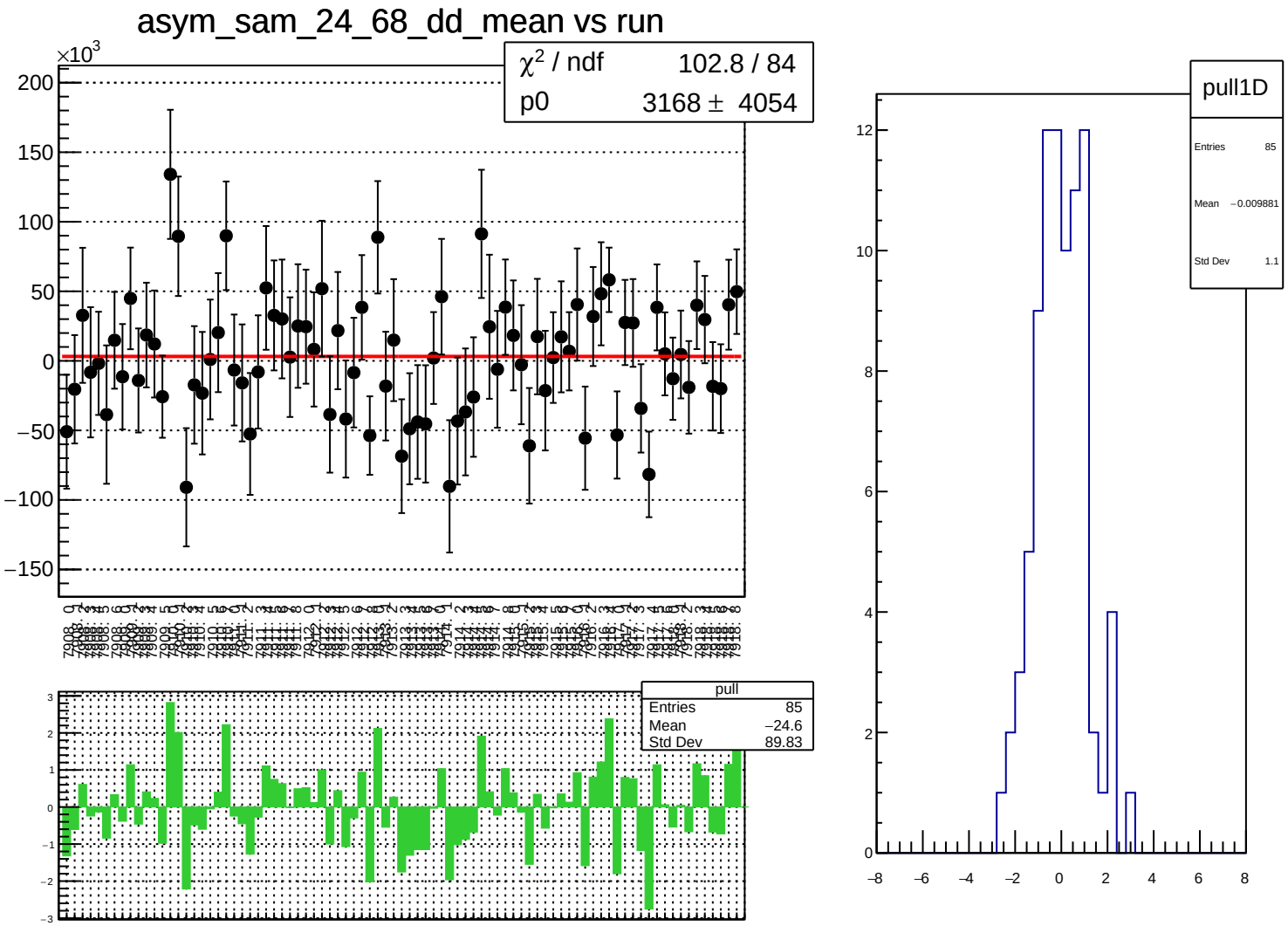
dit_asym_sam_24_68_dd_rms vs run

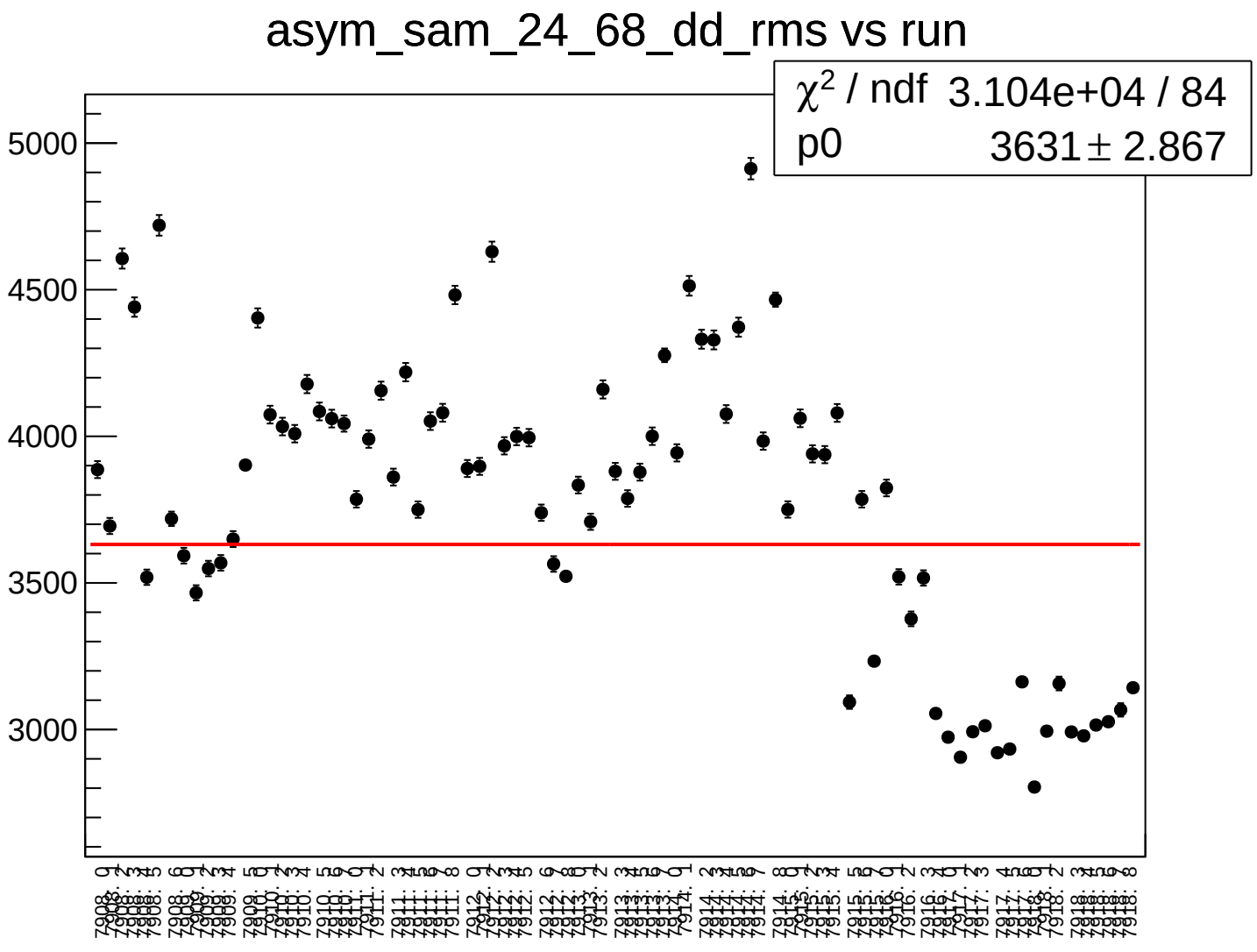


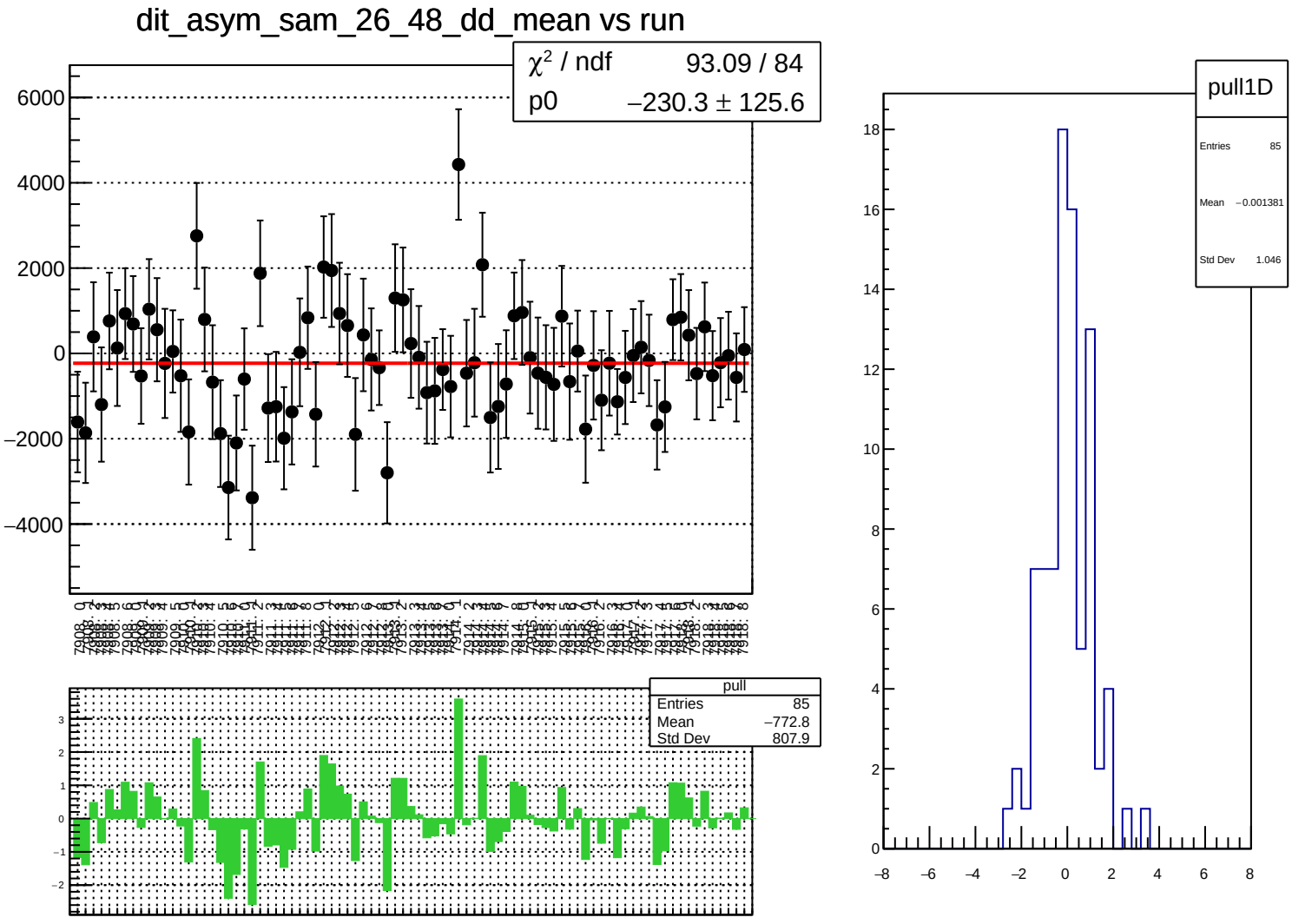

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 102.9 / 84
p0 −3321 ± 4058
pull
Entries 85
Mean 4.731
Std Dev 68.9


pull1D
Entries 85
Mean 0.009911
Std Dev 1.1

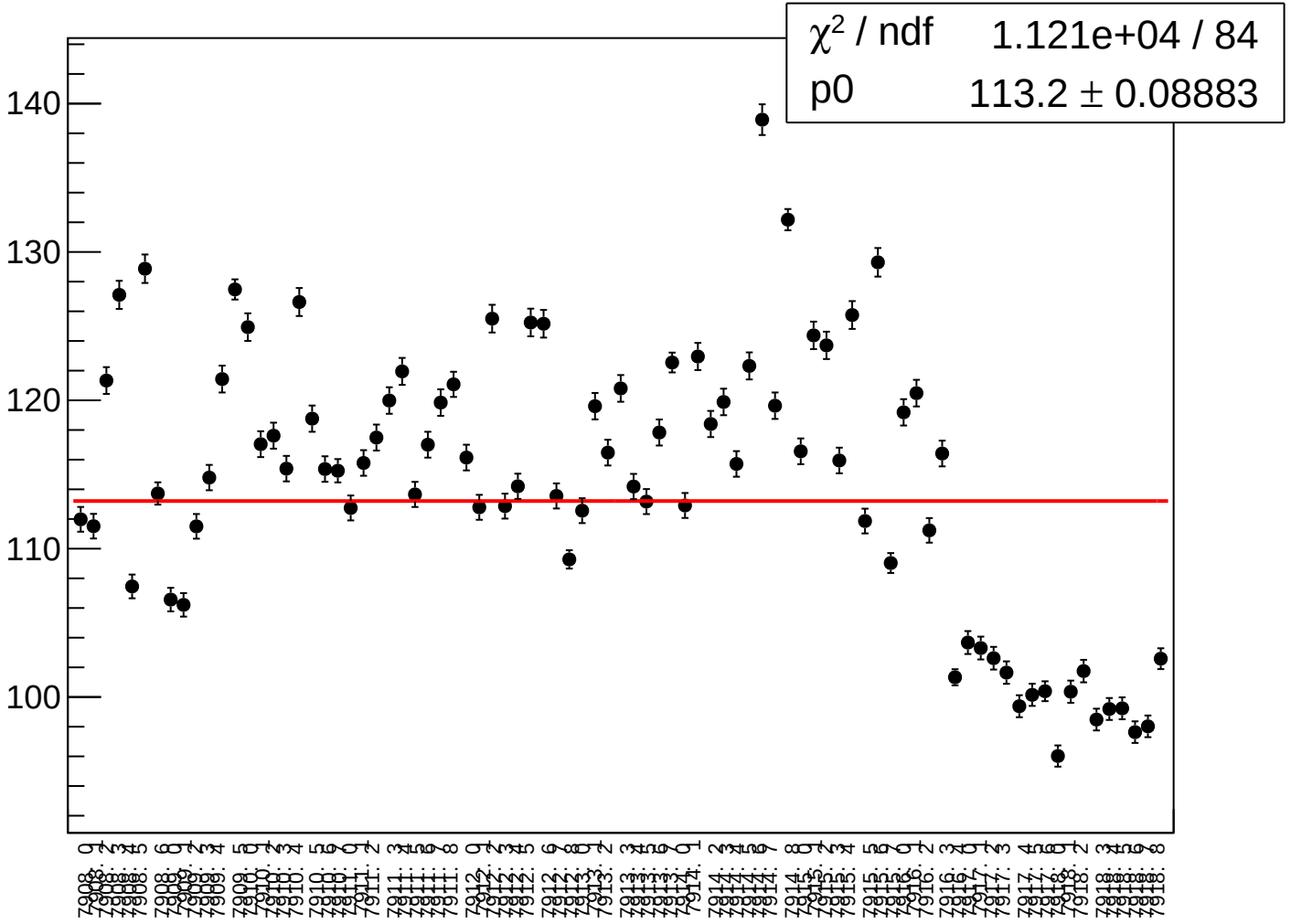

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 3.159e+04 / 84
p0 3634 ± 2.869
5000
4500
4000
3500
3000

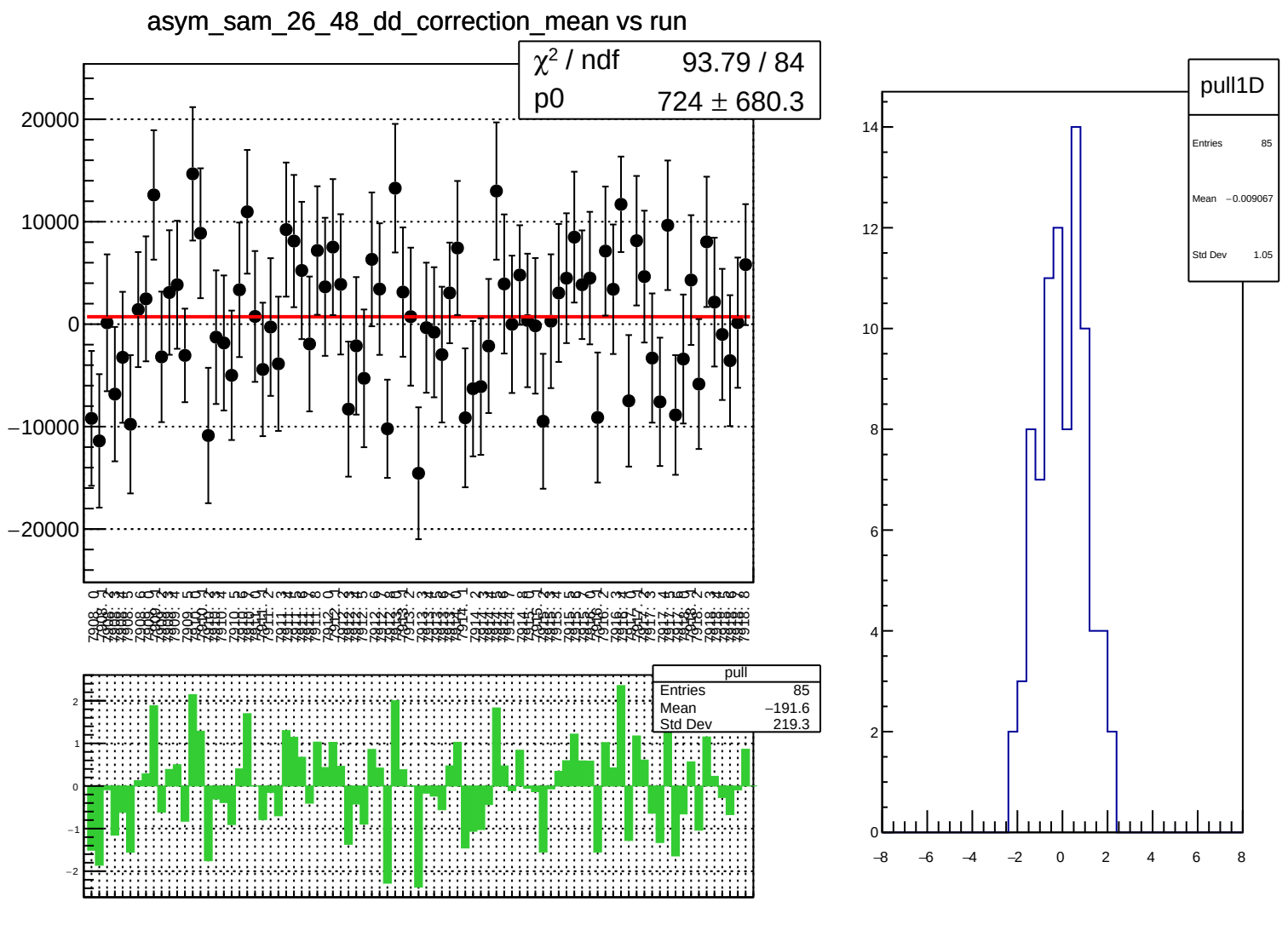

asym_sam_24_68_dd_mean vs run
×10^3
χ^2 / ndf 102.8 / 84
p0 3168 ± 4054
pull
Entries 85
Mean −24.6
Std Dev 89.83
pull1D
Entries 85
Mean −0.009881
Std Dev 1.1

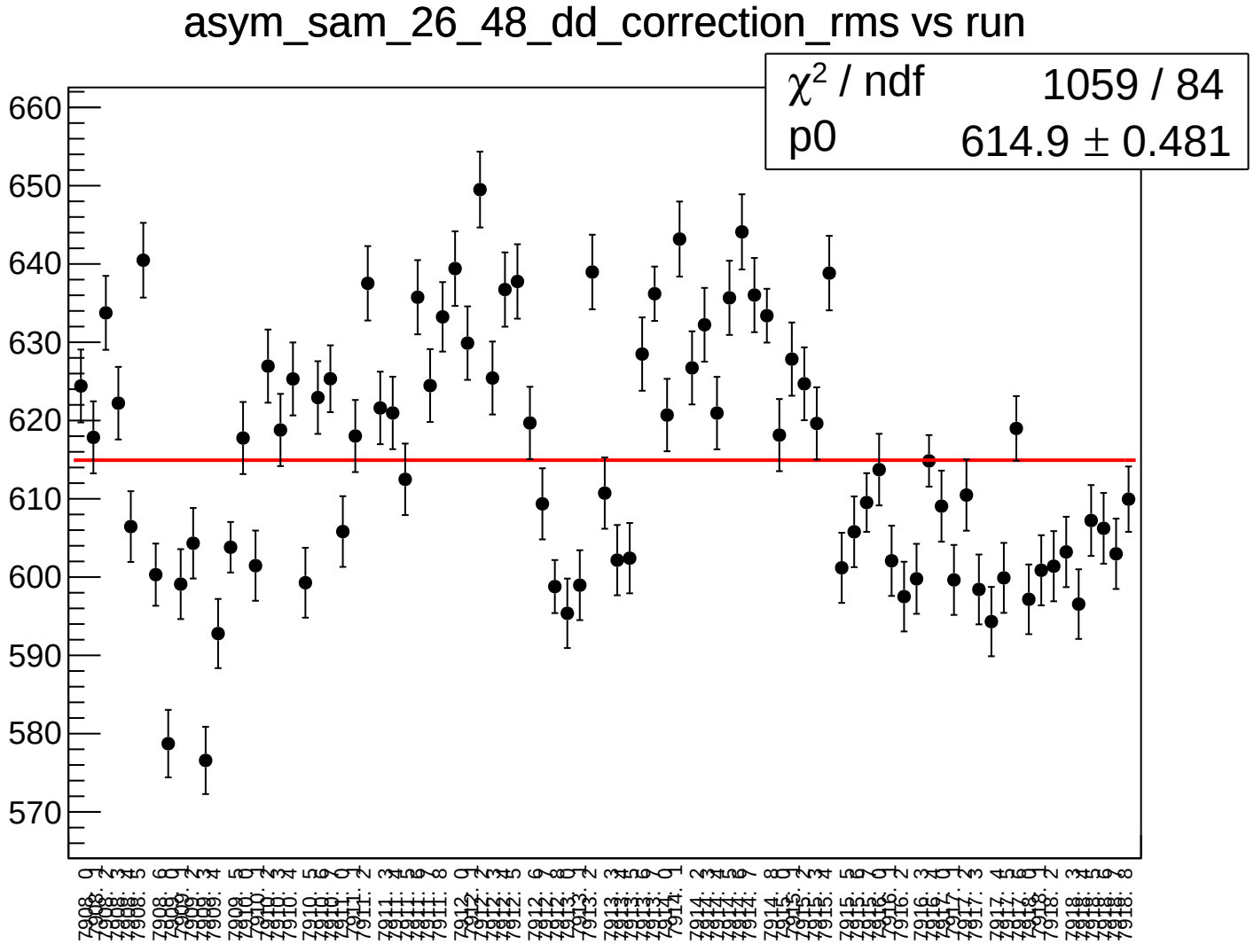

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3.104e+04 / 84
p0 3631 ± 2.867
5000
4500
4000
3500
3000

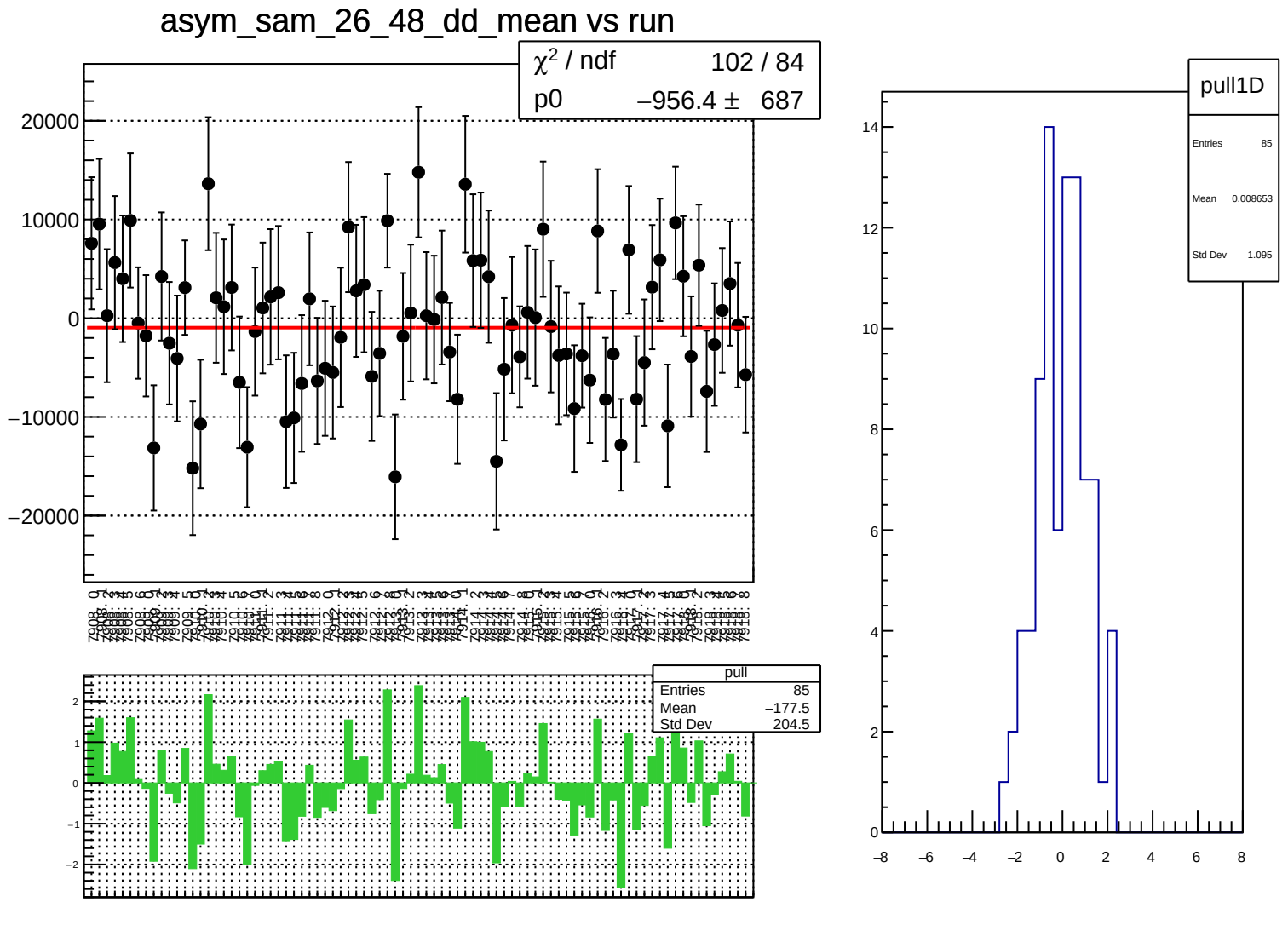

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 93.09 / 84
p0 −230.3 ± 125.6
pull
Entries 85
Mean −772.8
Std Dev 807.9
pull1D
Entries 85
Mean −0.001381
Std Dev 1.046

dit_asym_sam_26_48_dd_rms vs run

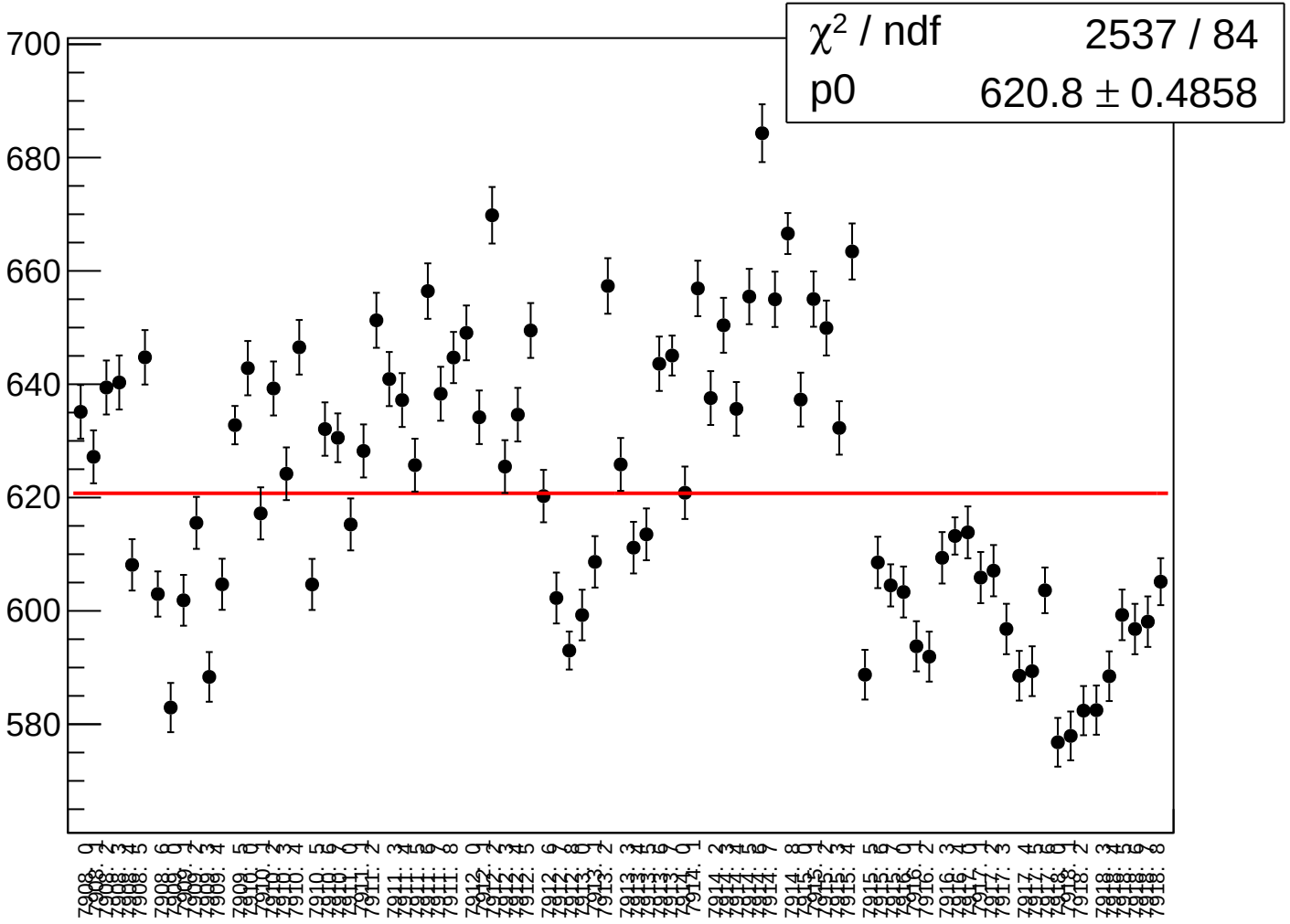


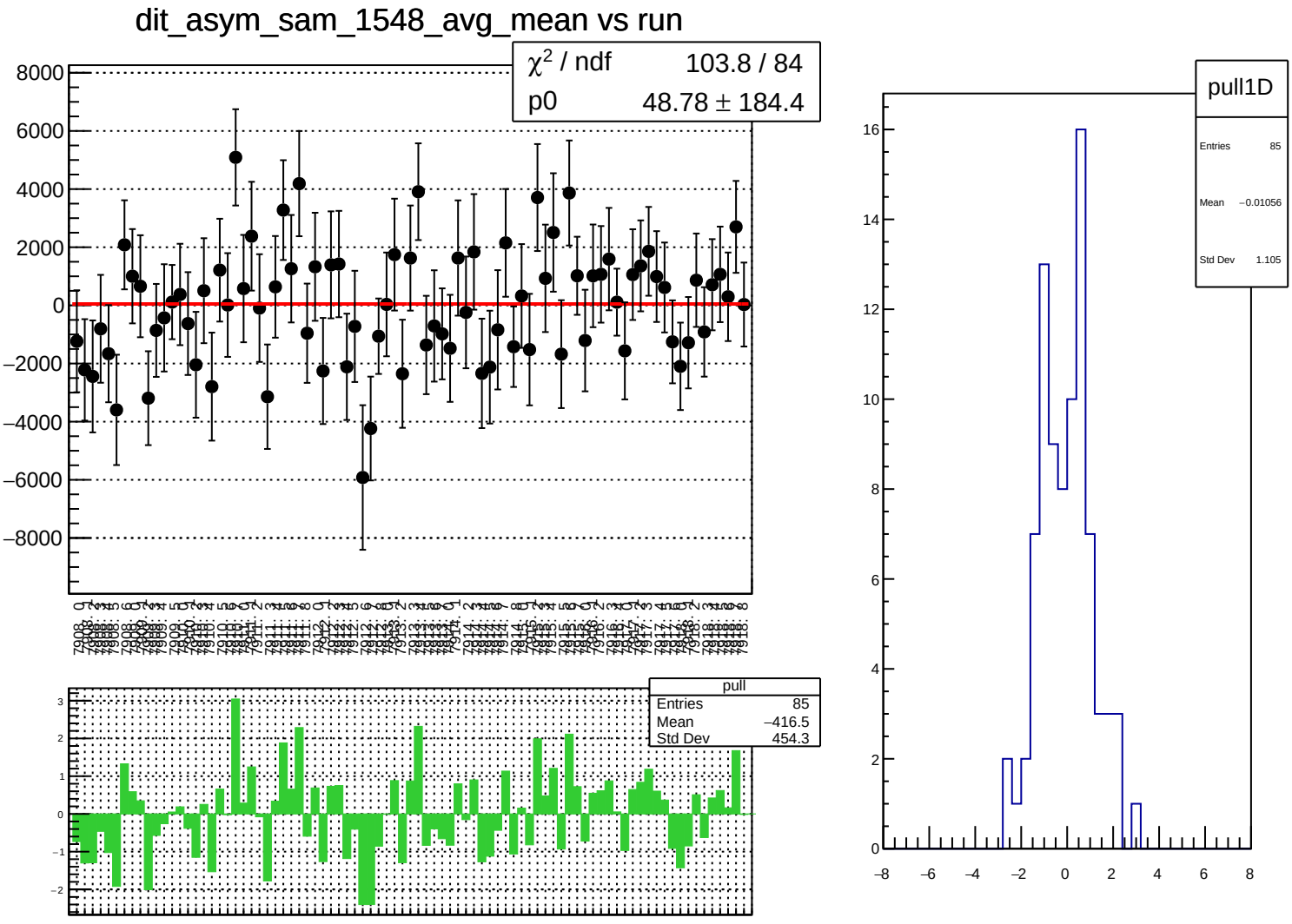

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 93.79 / 84
p0 724 ± 680.3
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −191.6
Std Dev 219.3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.009067
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1059 / 84
p0 614.9 ± 0.481
660
650
640
630
620
610
600
590
580
570

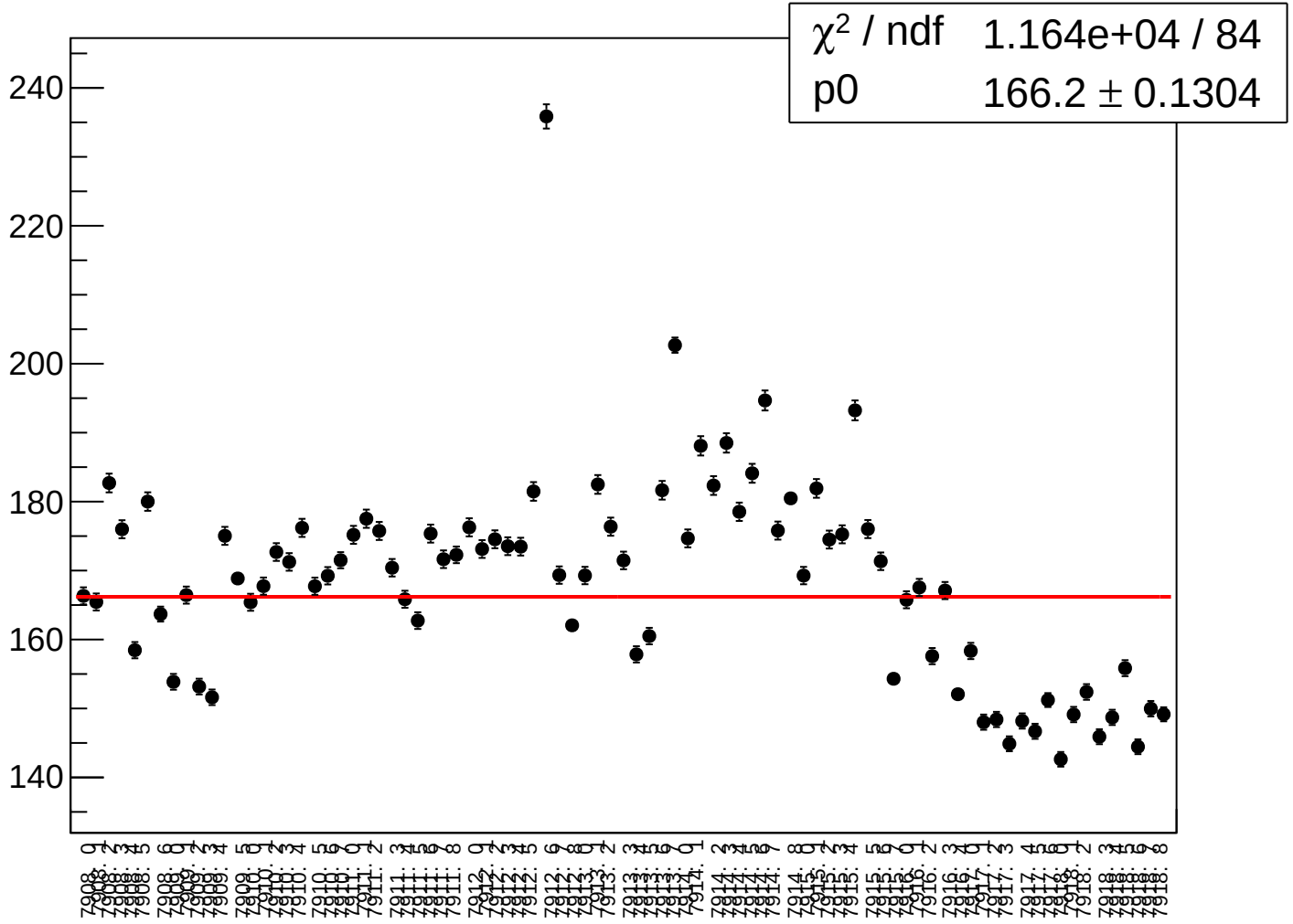

asym_sam_26_48_dd_mean vs run
χ² / ndf 102 / 84
p0 −956.4 ± 687
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −177.5
Std Dev 204.5
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.008653
Std Dev 1.095
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

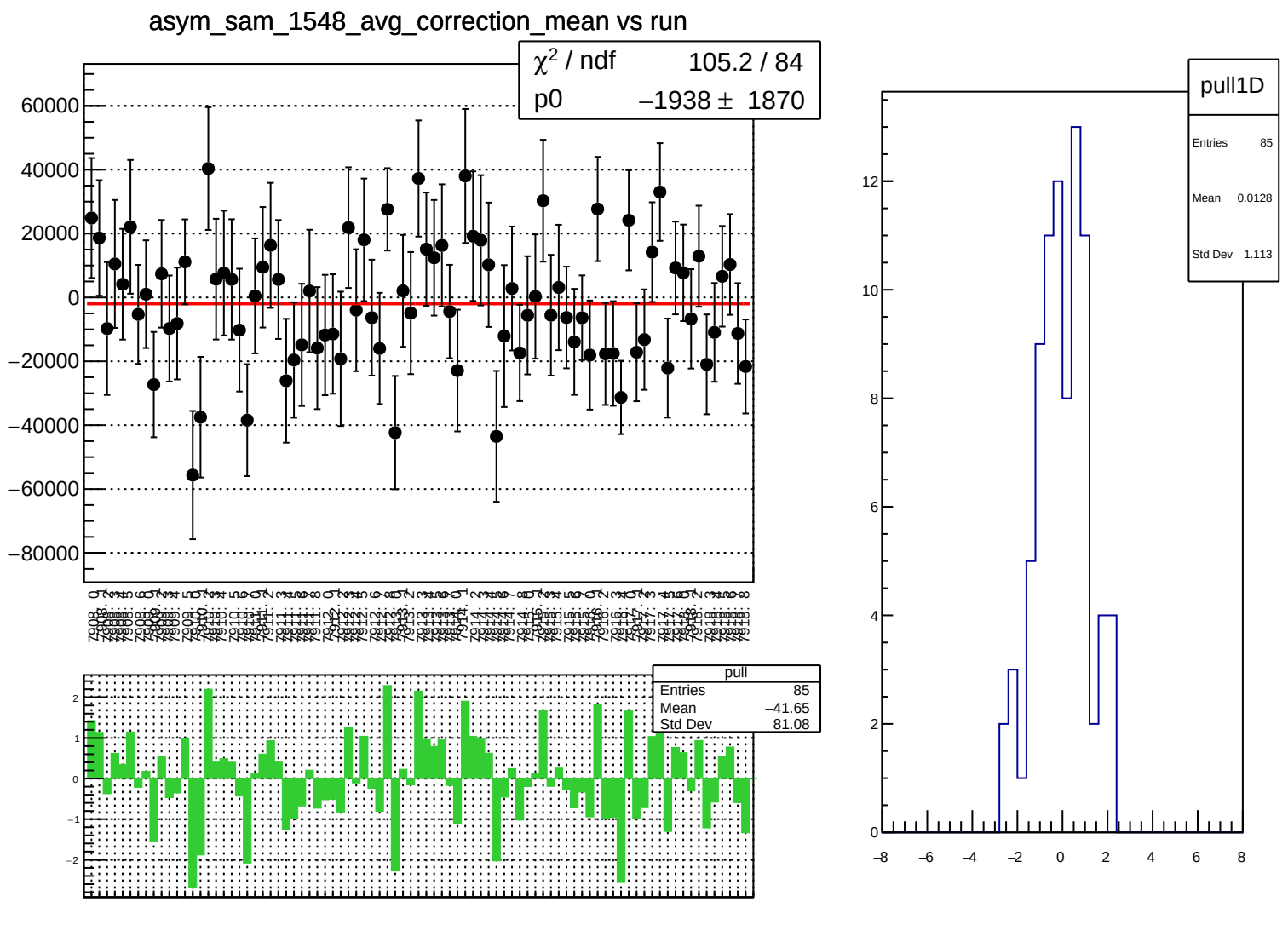
asym_sam_26_48_dd_rms vs run



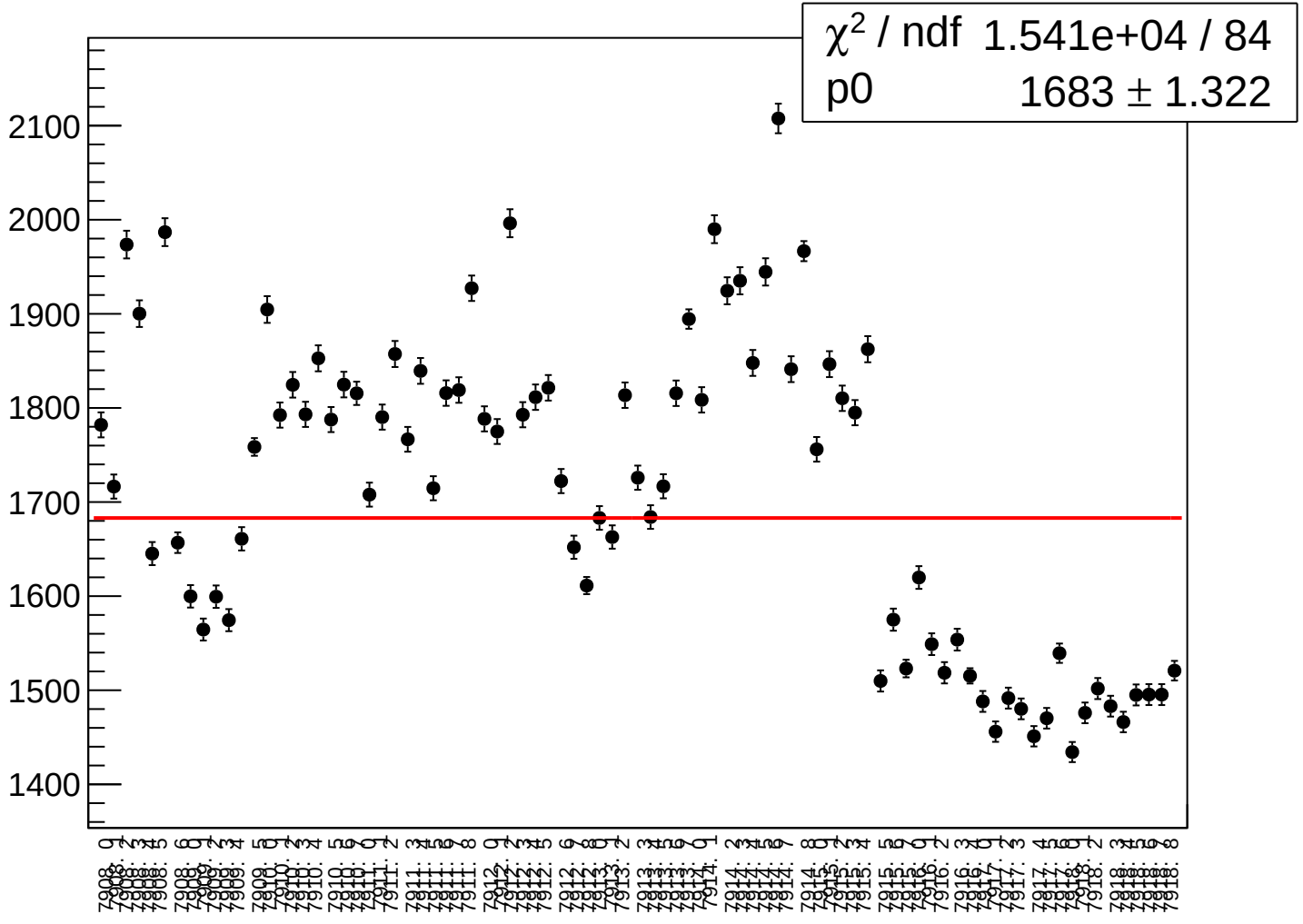

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 103.8 / 84
p0 48.78 ± 184.4
pull
Entries 85
Mean −416.5
Std Dev 454.3
pull1D
Entries 85
Mean −0.01056
Std Dev 1.105

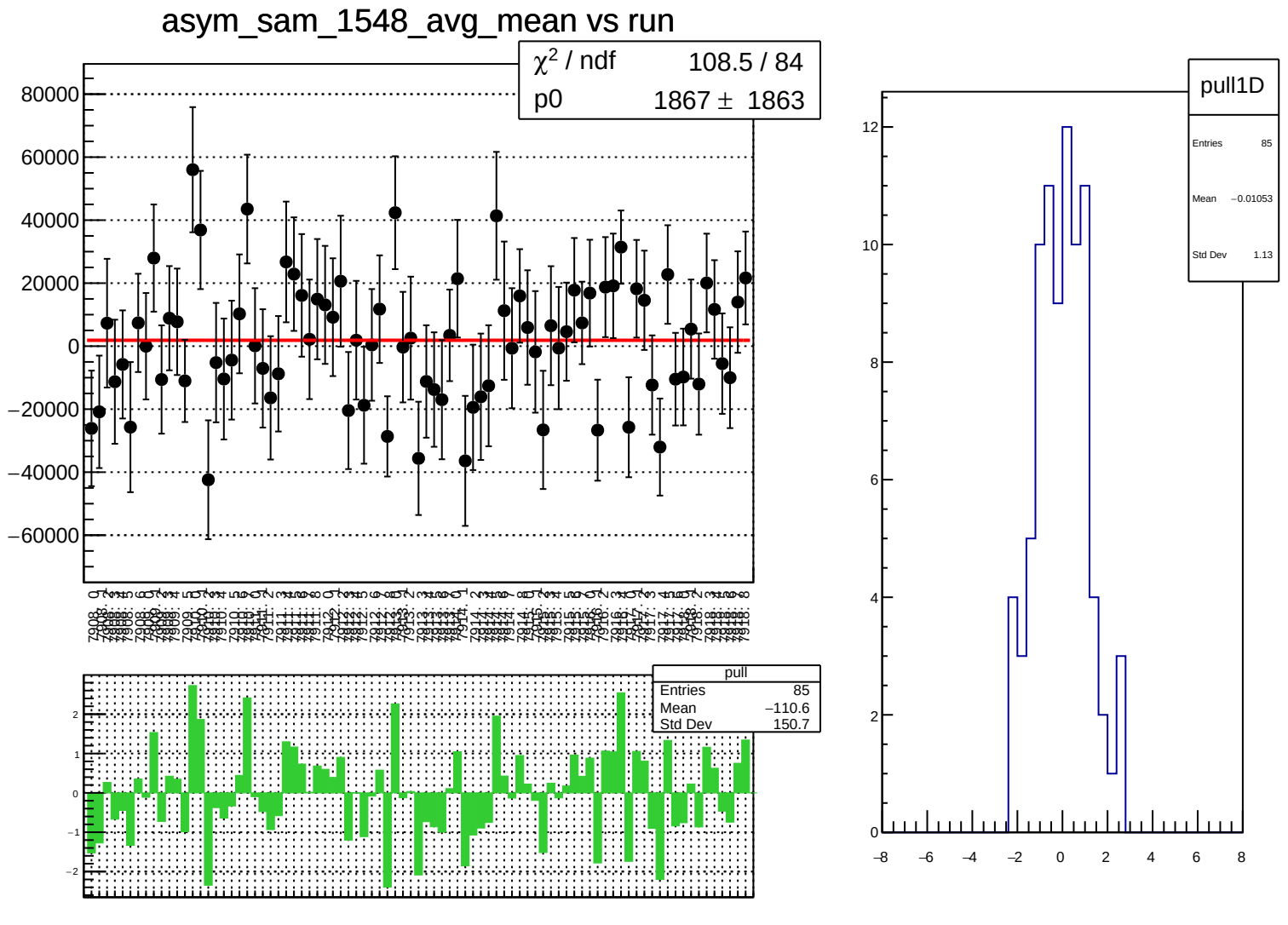
dit_asym_sam_1548_avg_rms vs run

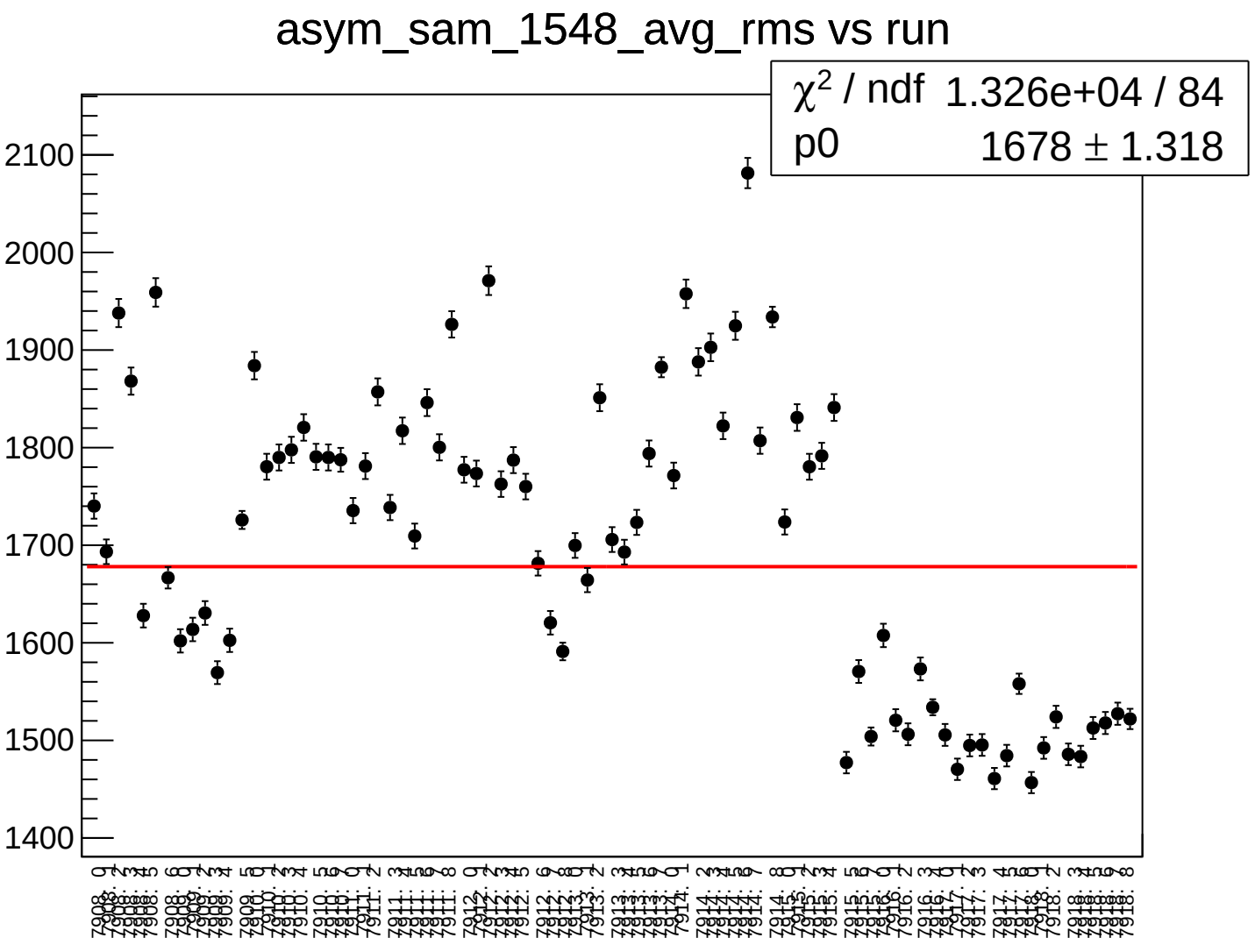


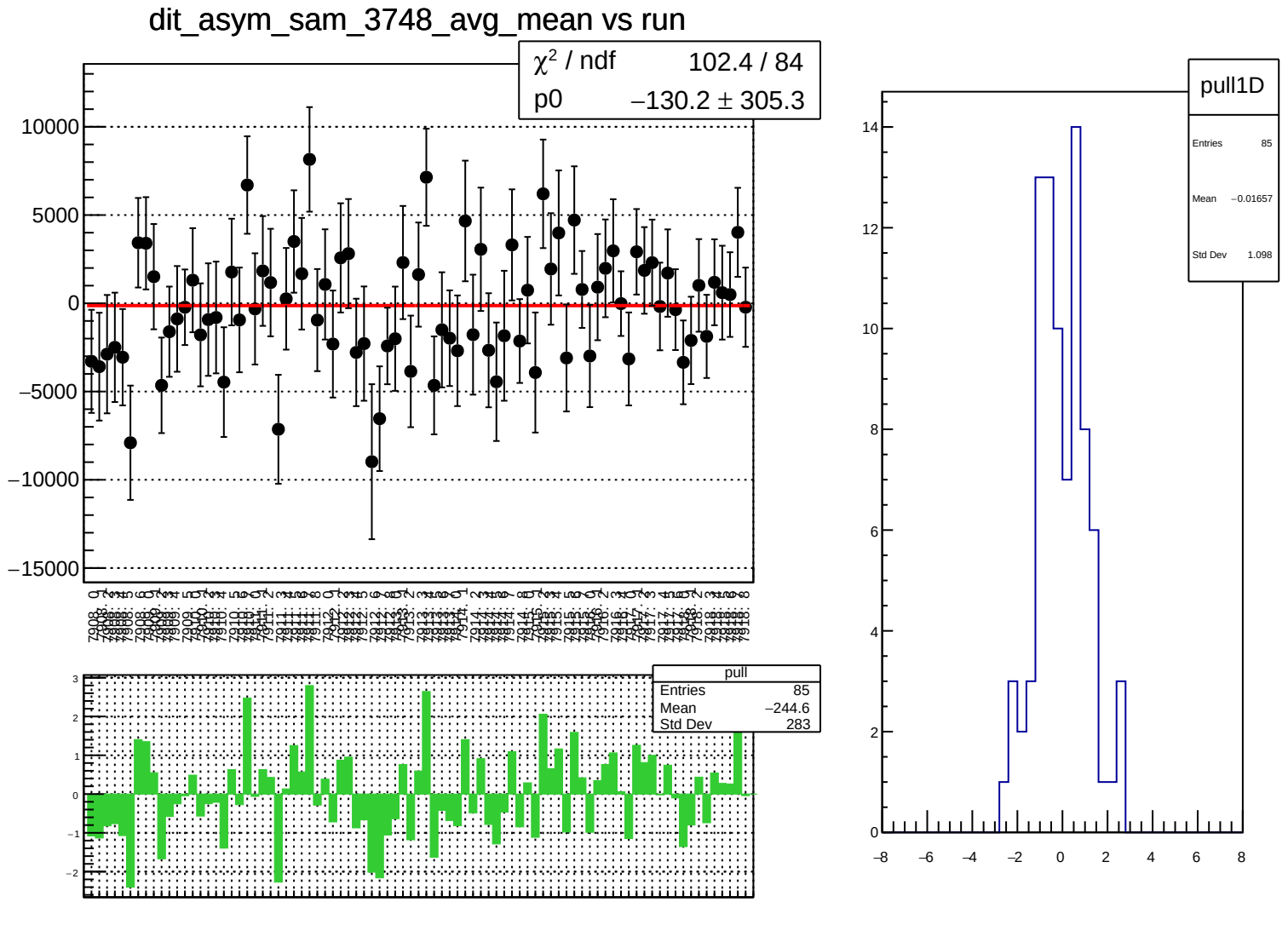

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 105.2 / 84
p0 −1938 ± 1870
pull
Entries 85
Mean −41.65
Std Dev 81.08
pull1D
Entries 85
Mean 0.0128
Std Dev 1.113

asym_sam_1548_avg_correction_rms vs run

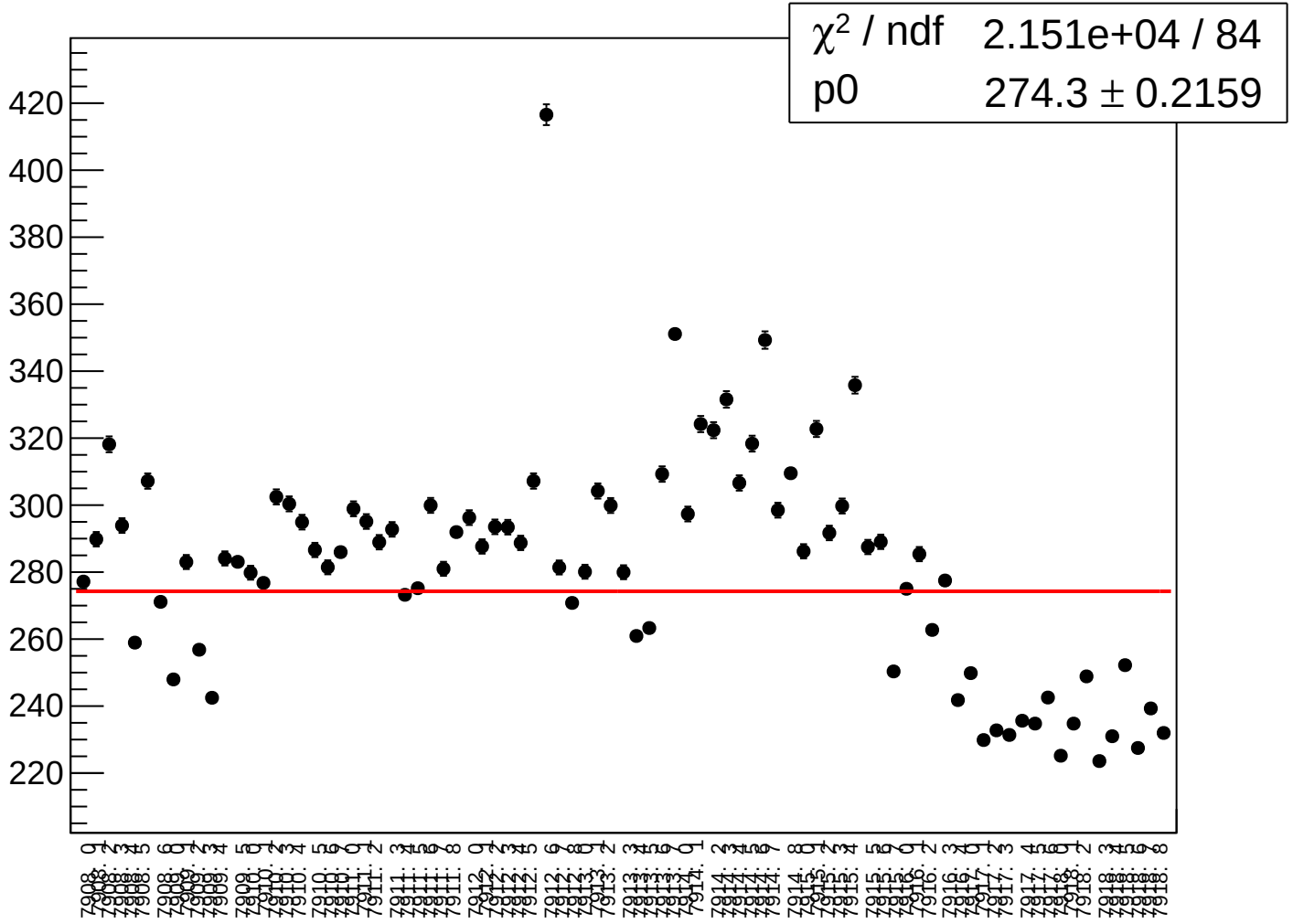


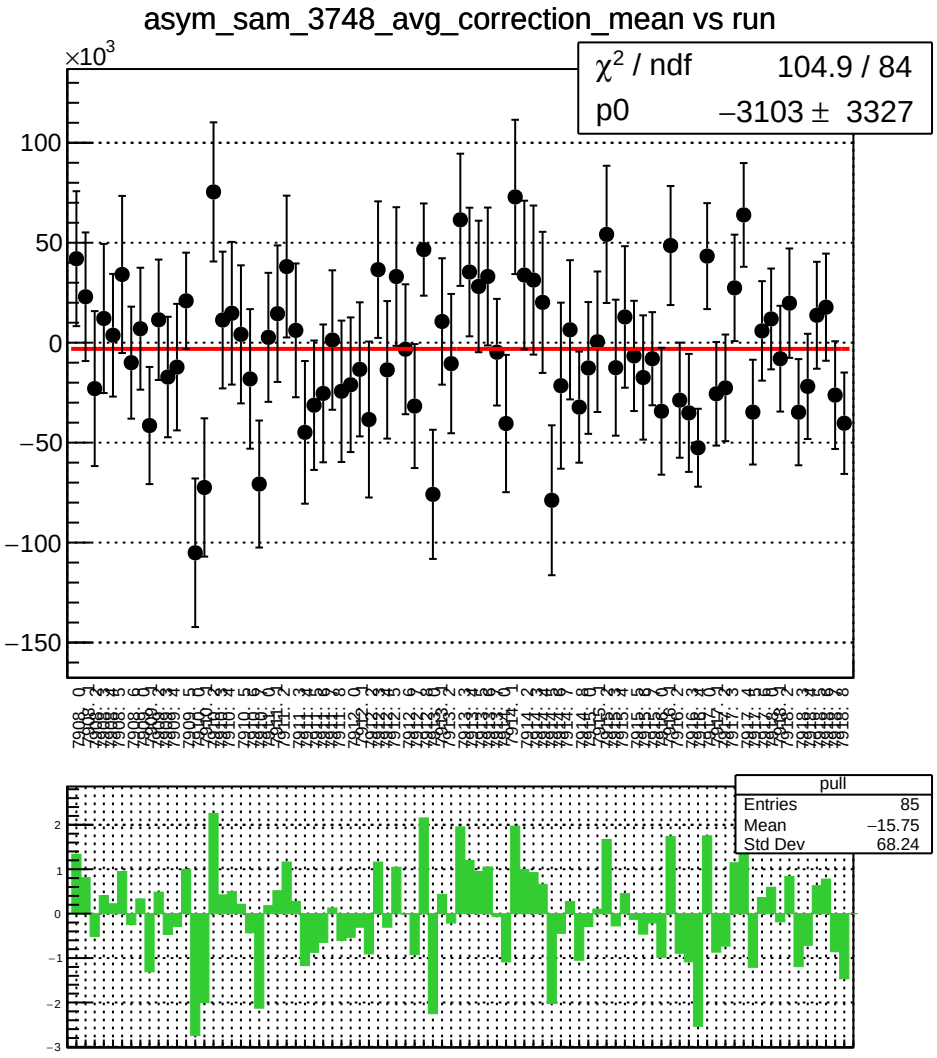

asym_sam_1548_avg_mean vs run
χ² / ndf 108.5 / 84
p0 1867 ± 1863
pull
Entries 85
Mean −110.6
Std Dev 150.7
pull1D
Entries 85
Mean −0.01053
Std Dev 1.13

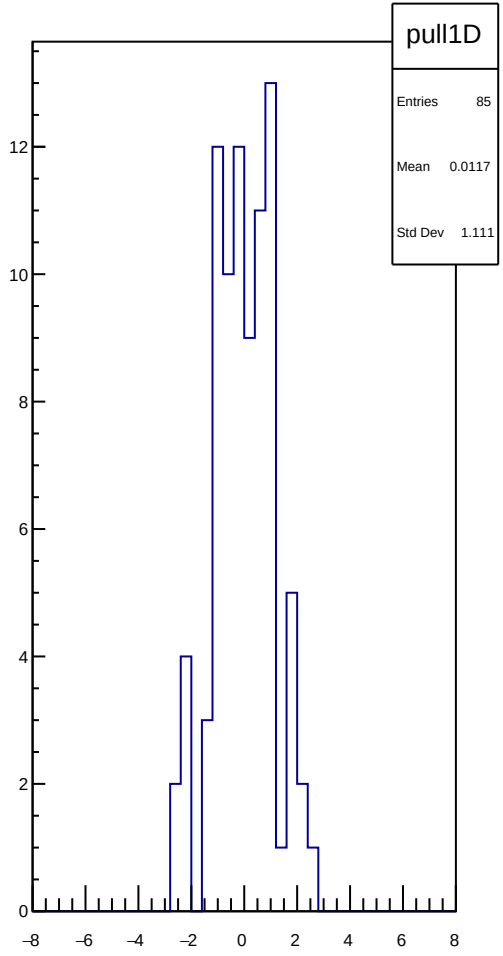

asym_sam_1548_avg_rms vs run
χ² / ndf 1.326e+04 / 84
p0 1678 ± 1.318
2100
2000
1900
1800
1700
1600
1500
1400


dit_asym_sam_3748_avg_mean vs run
χ² / ndf 102.4 / 84
p0 −130.2 ± 305.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −244.6
Std Dev 283
pull1D
Entries 85
Mean −0.01657
Std Dev 1.098

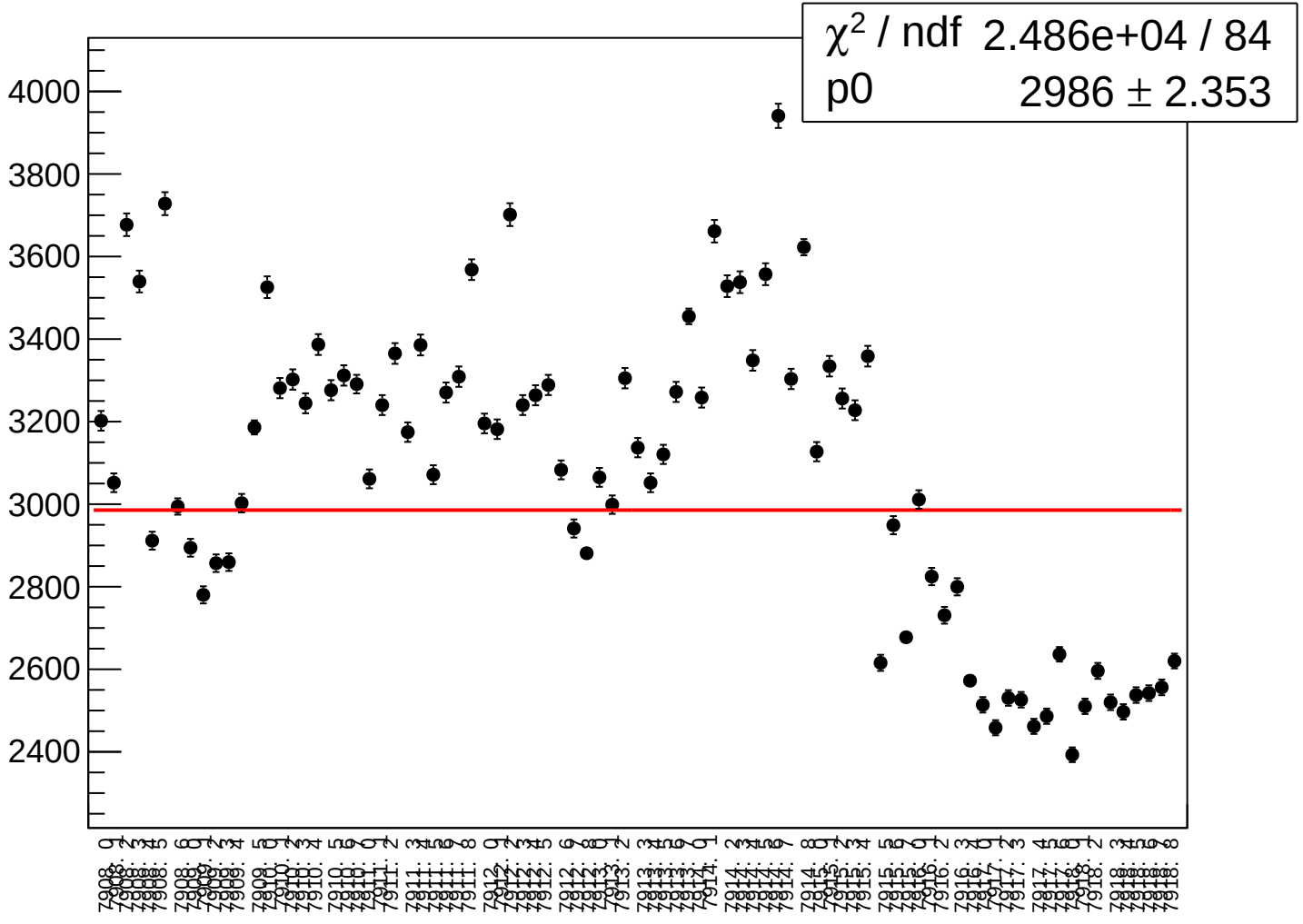
dit_asym_sam_3748_avg_rms vs run

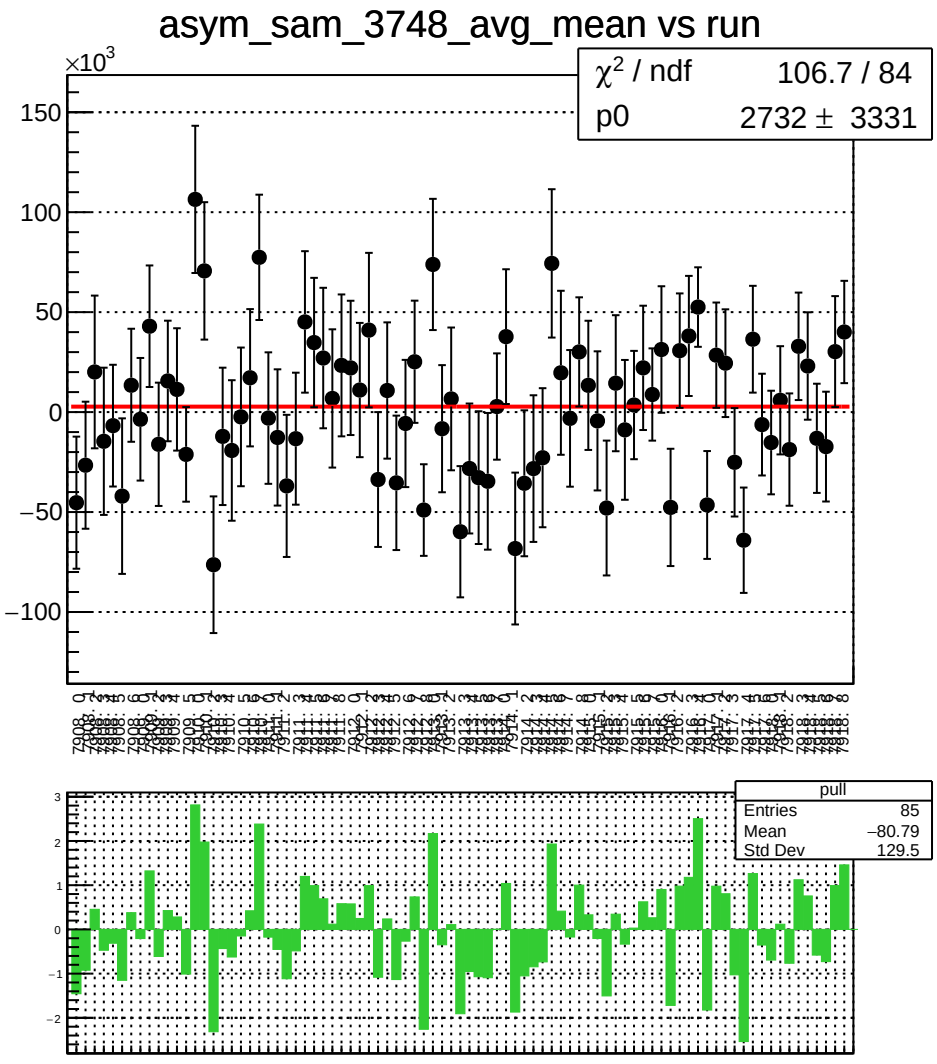


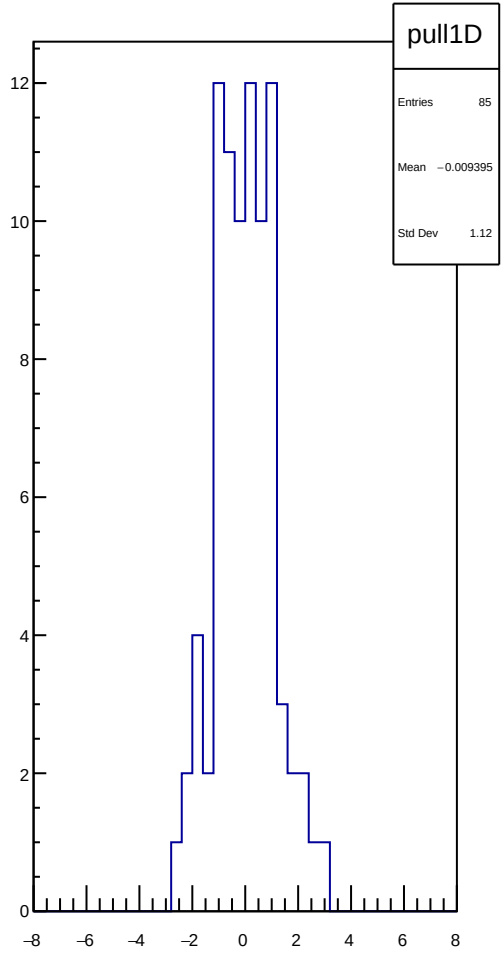

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 104.9 / 84
p0 −3103 ± 3327
pull
Entries 85
Mean −15.75
Std Dev 68.24


pull1D
Entries 85
Mean 0.0117
Std Dev 1.111

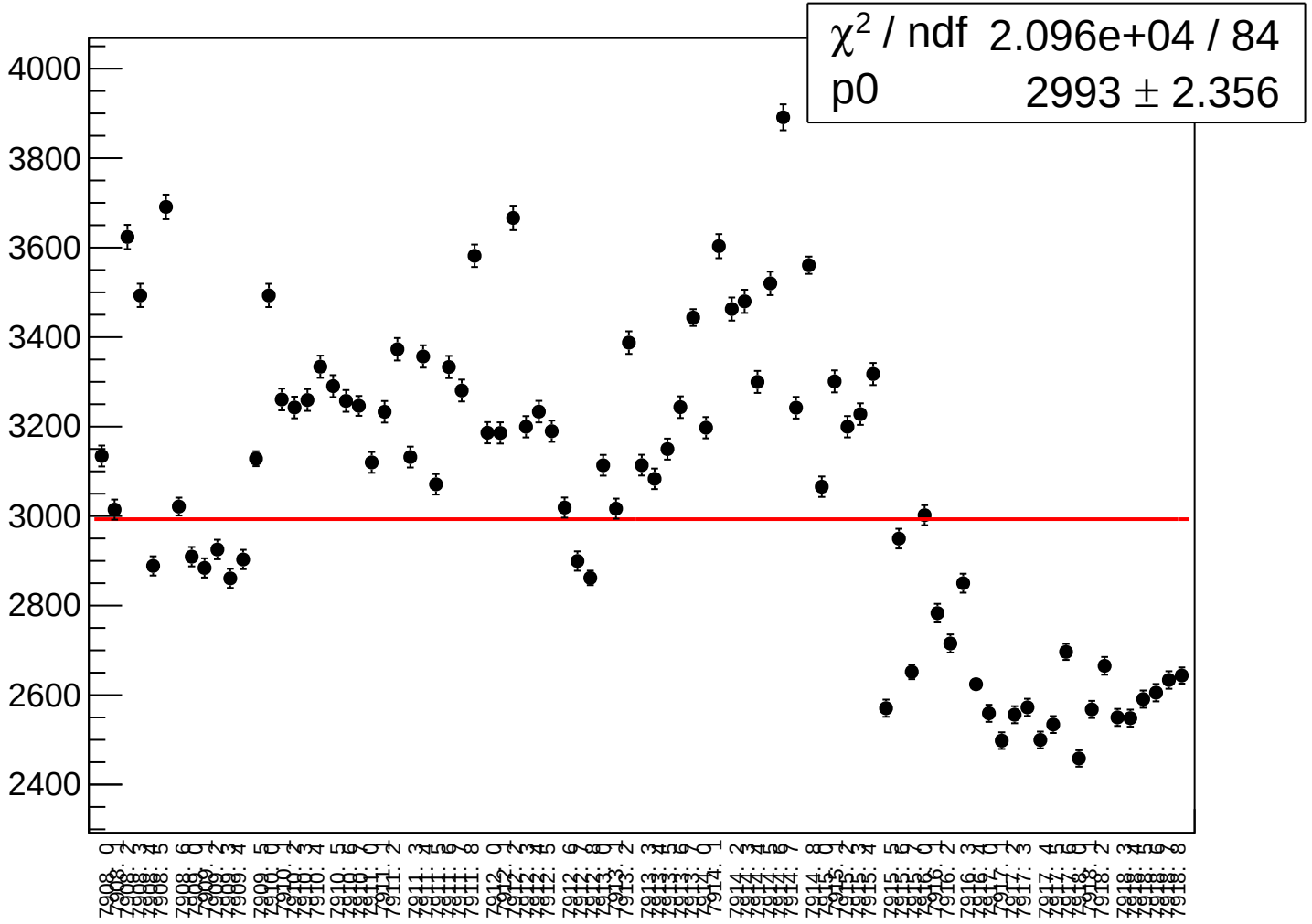
asym_sam_3748_avg_correction_rms vs run

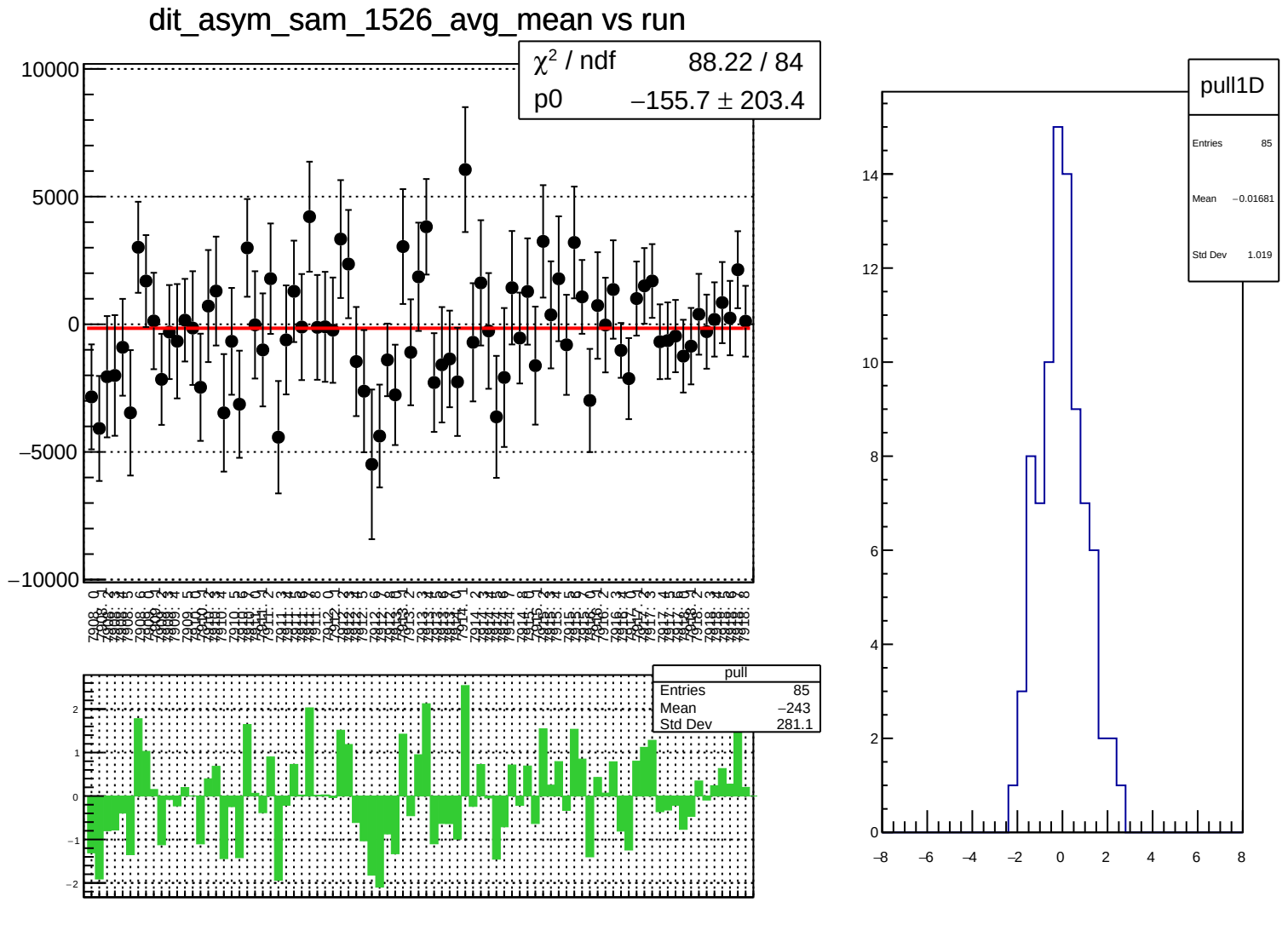



asym_sam_3748_avg_mean vs run
×10^3
χ^2 / ndf 106.7 / 84
p0 2732 ± 3331
150
100
50
0
−50
−100
pull
Entries 85
Mean −80.79
Std Dev 129.5
3
2
1
0
−1
−2

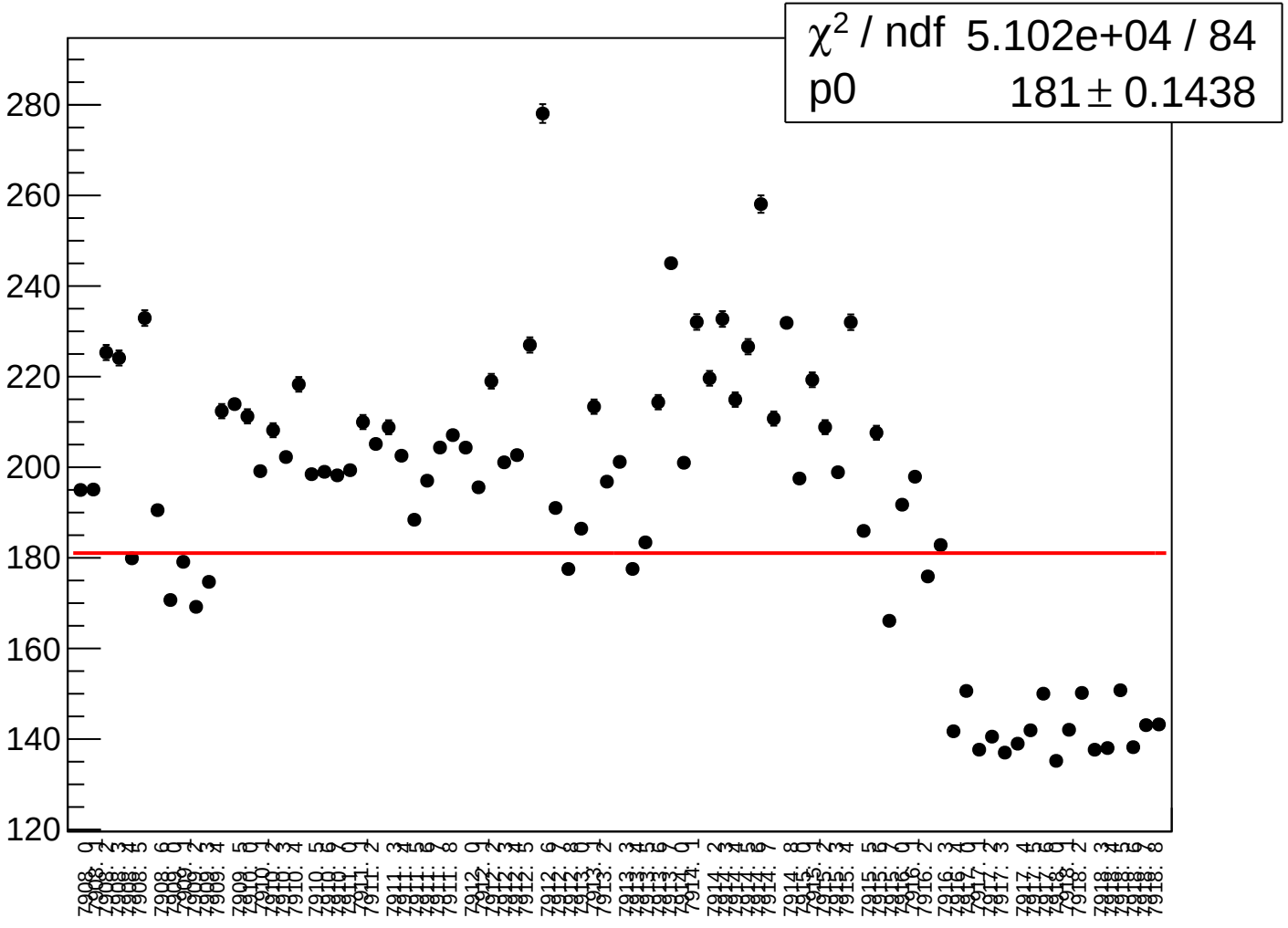

pull1D
Entries 85
Mean −0.009395
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

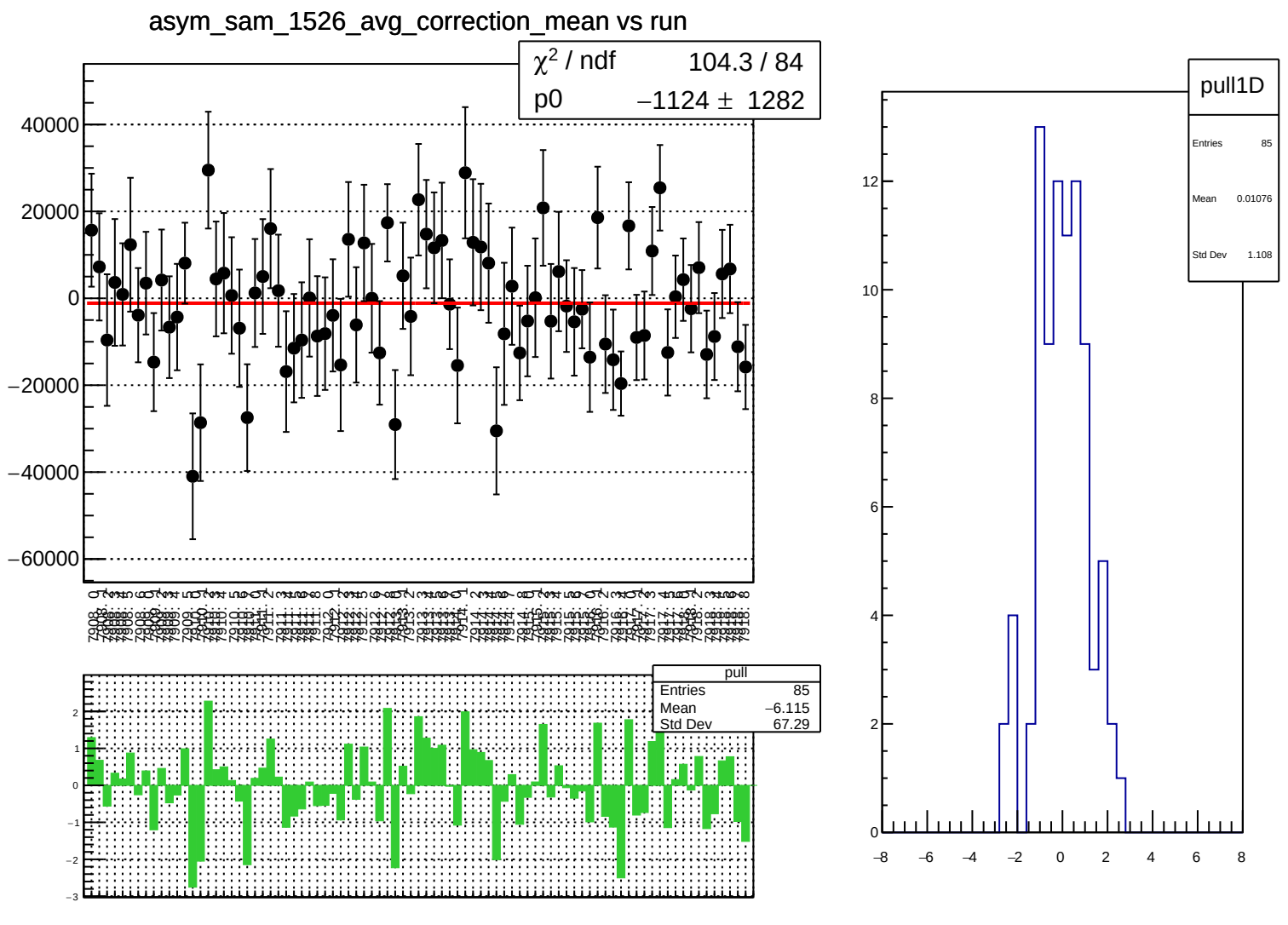
asym_sam_3748_avg_rms vs run

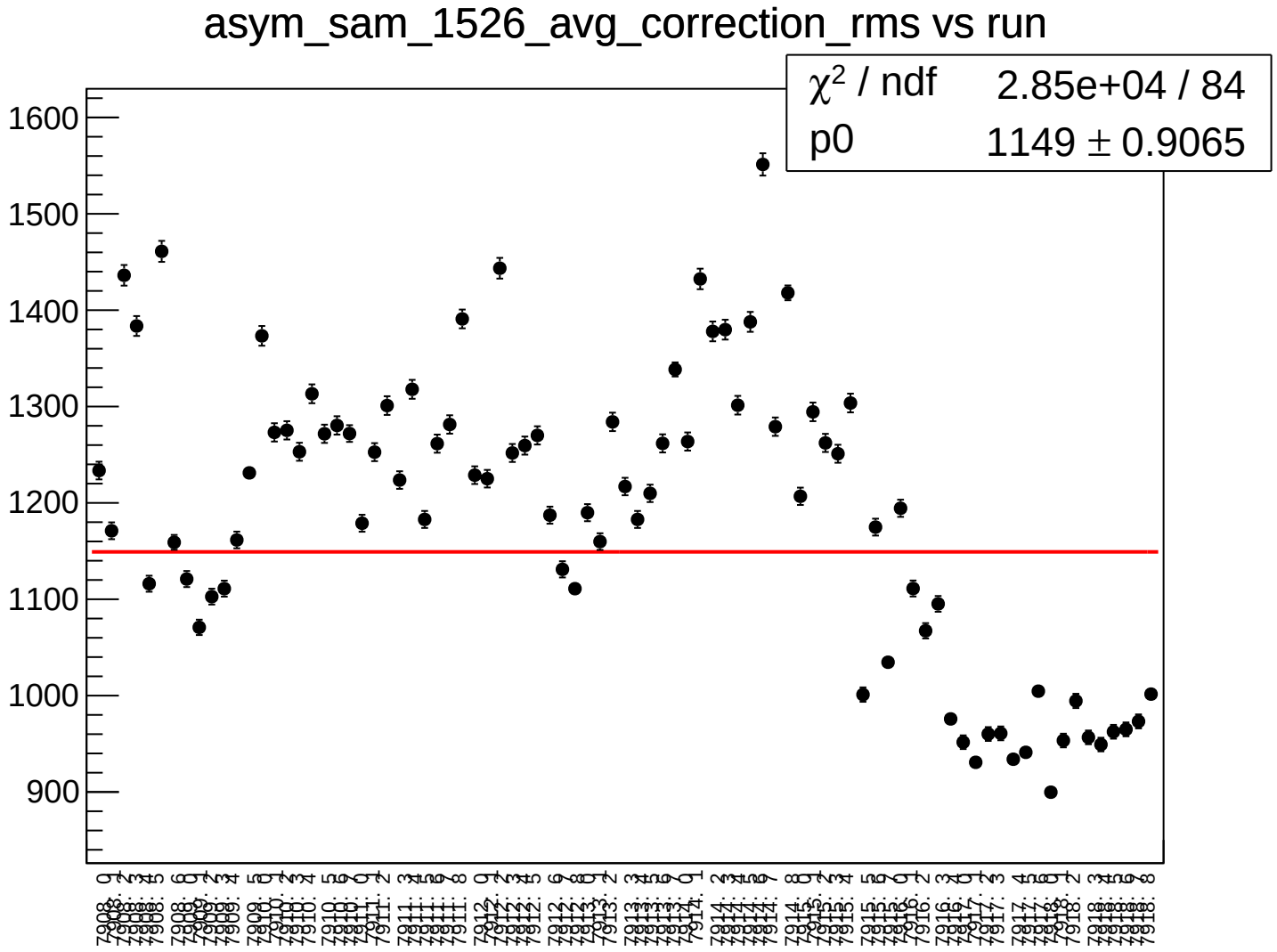


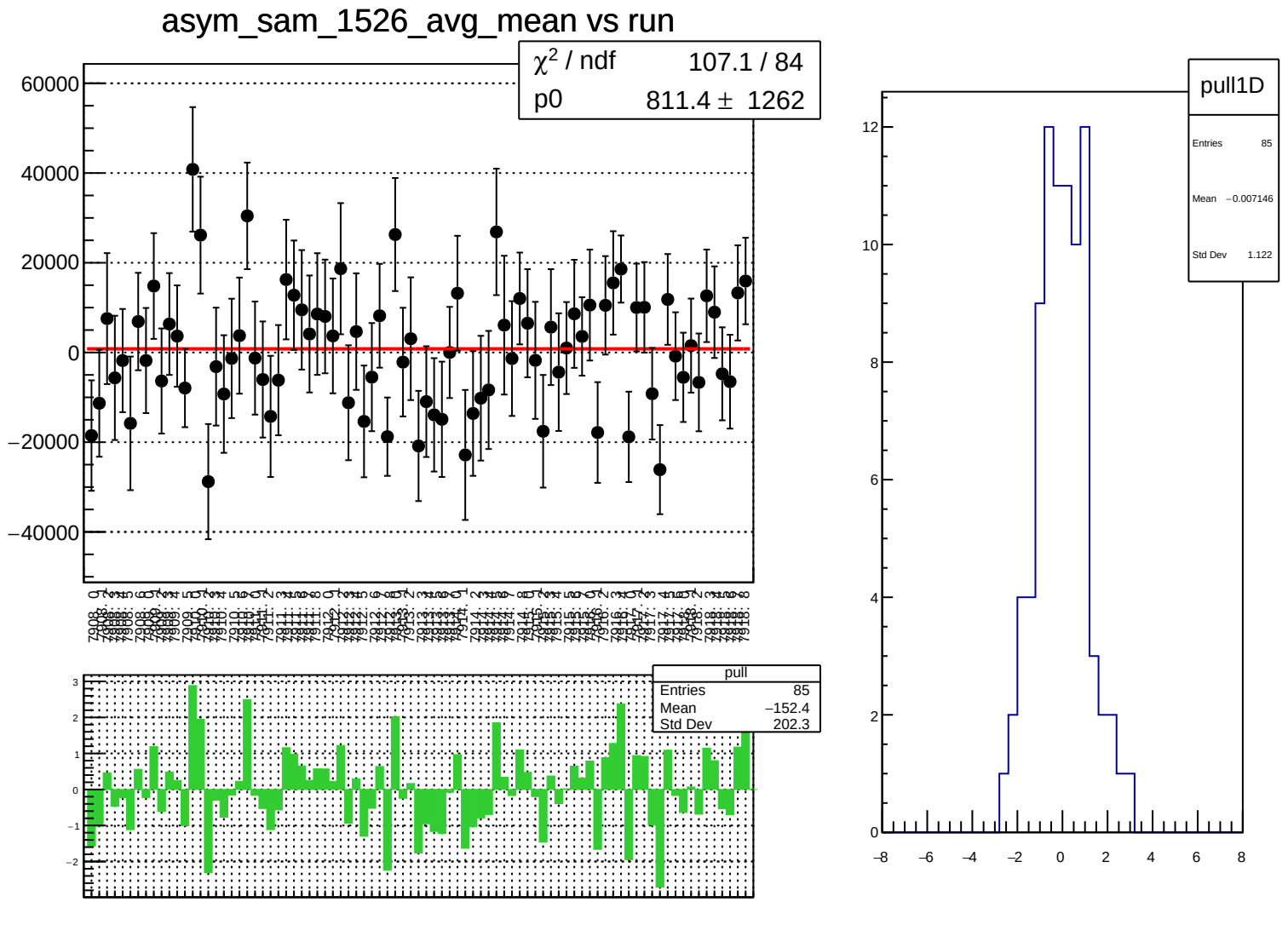

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 88.22 / 84
p0 −155.7 ± 203.4
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −243
Std Dev 281.1
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01681
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

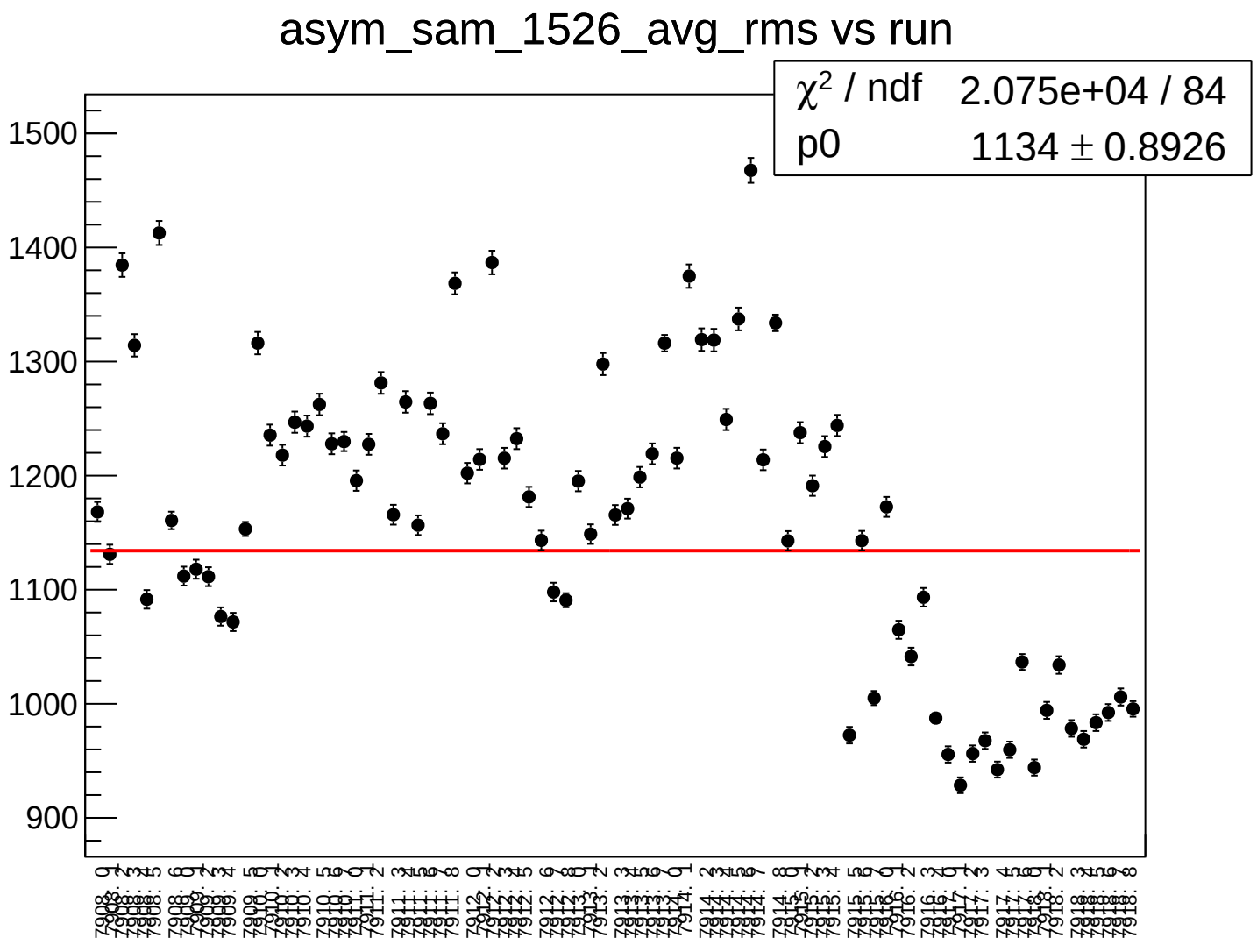
dit_asym_sam_1526_avg_rms vs run

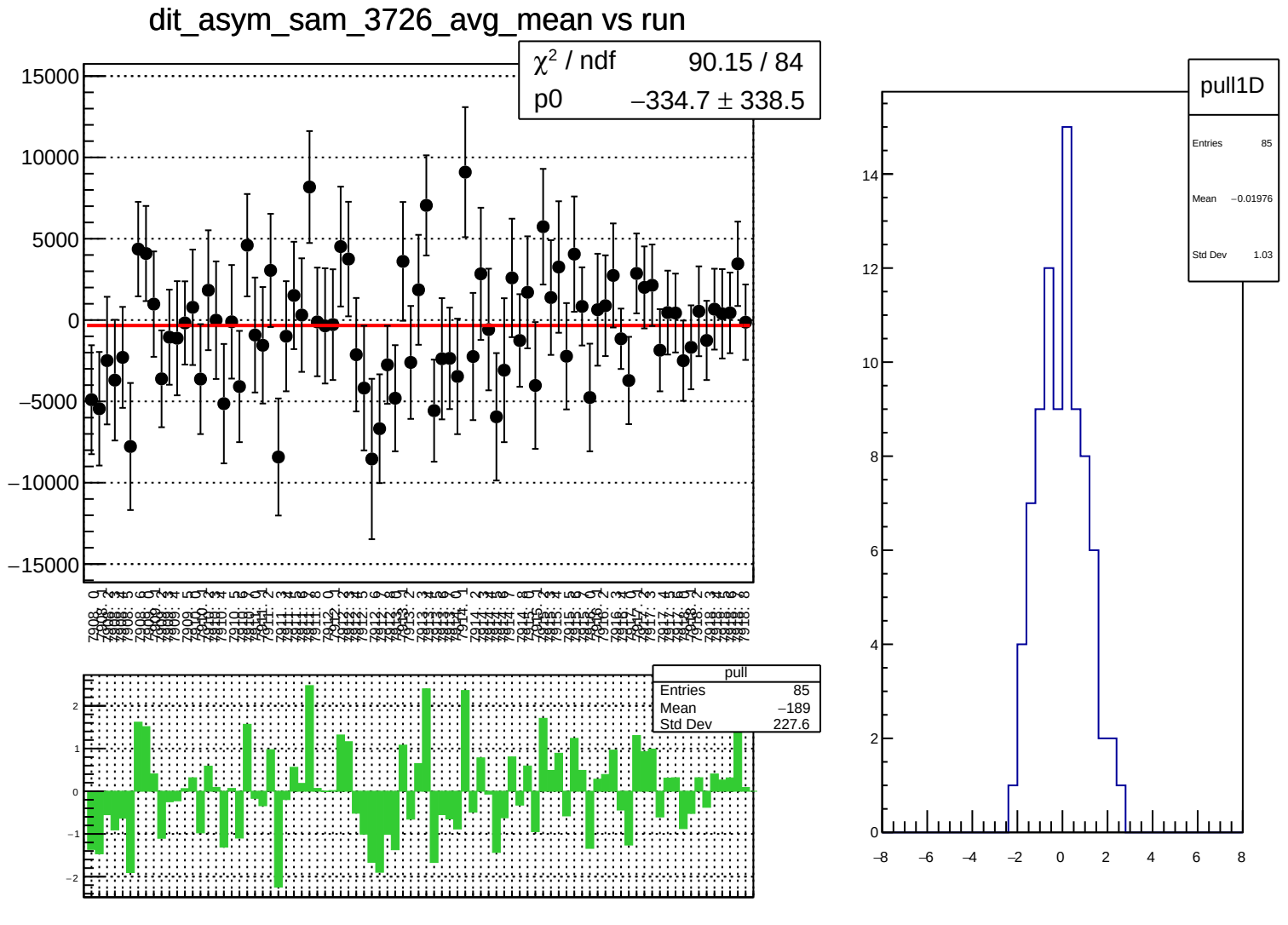



asym_sam_1526_avg_correction_mean vs run
χ² / ndf 104.3 / 84
p0 −1124 ± 1282
pull
Entries 85
Mean −6.115
Std Dev 67.29
pull1D
Entries 85
Mean 0.01076
Std Dev 1.108

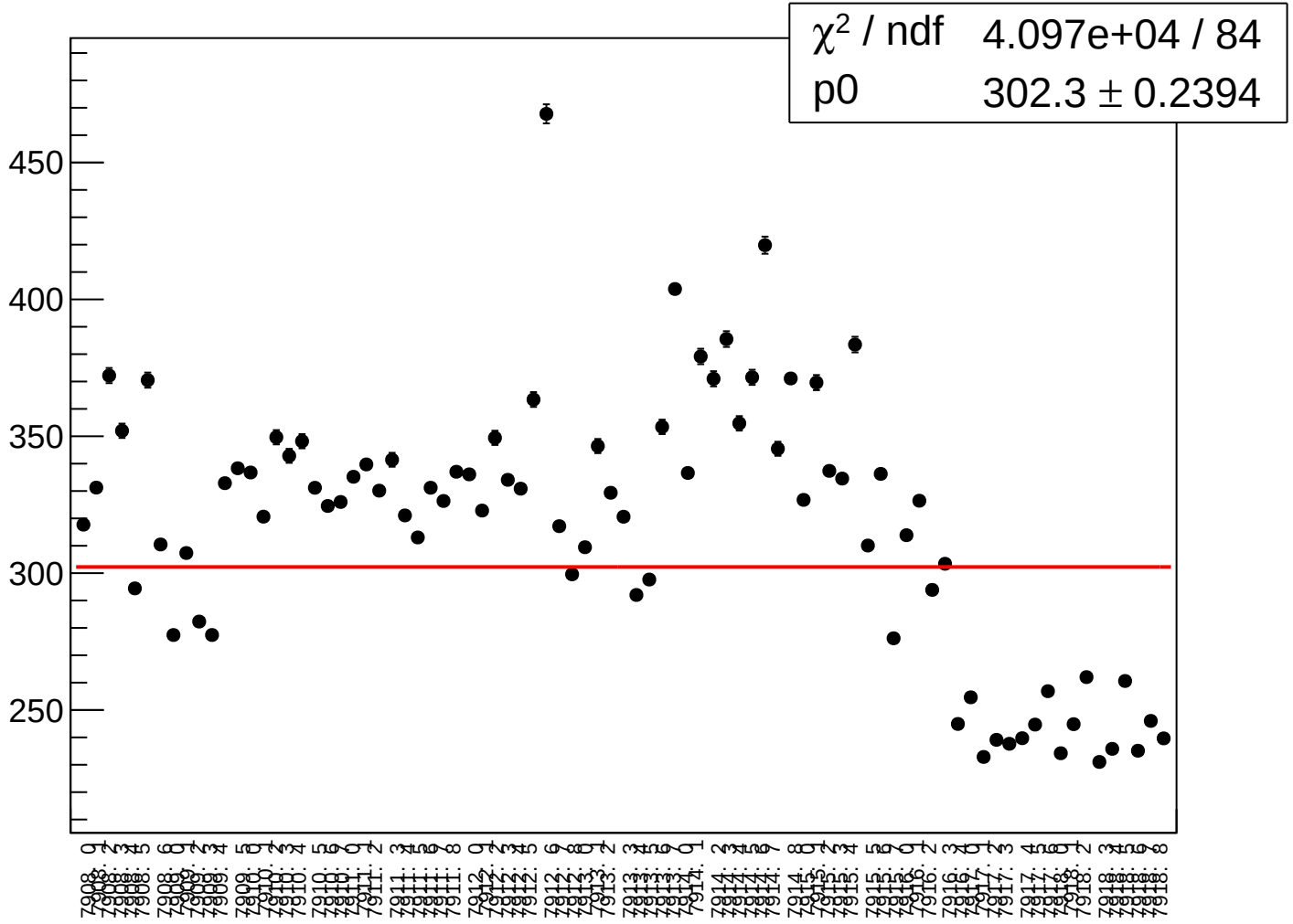

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2.85e+04 / 84
p0 1149 ± 0.9065
1600
1500
1400
1300
1200
1100
1000
900

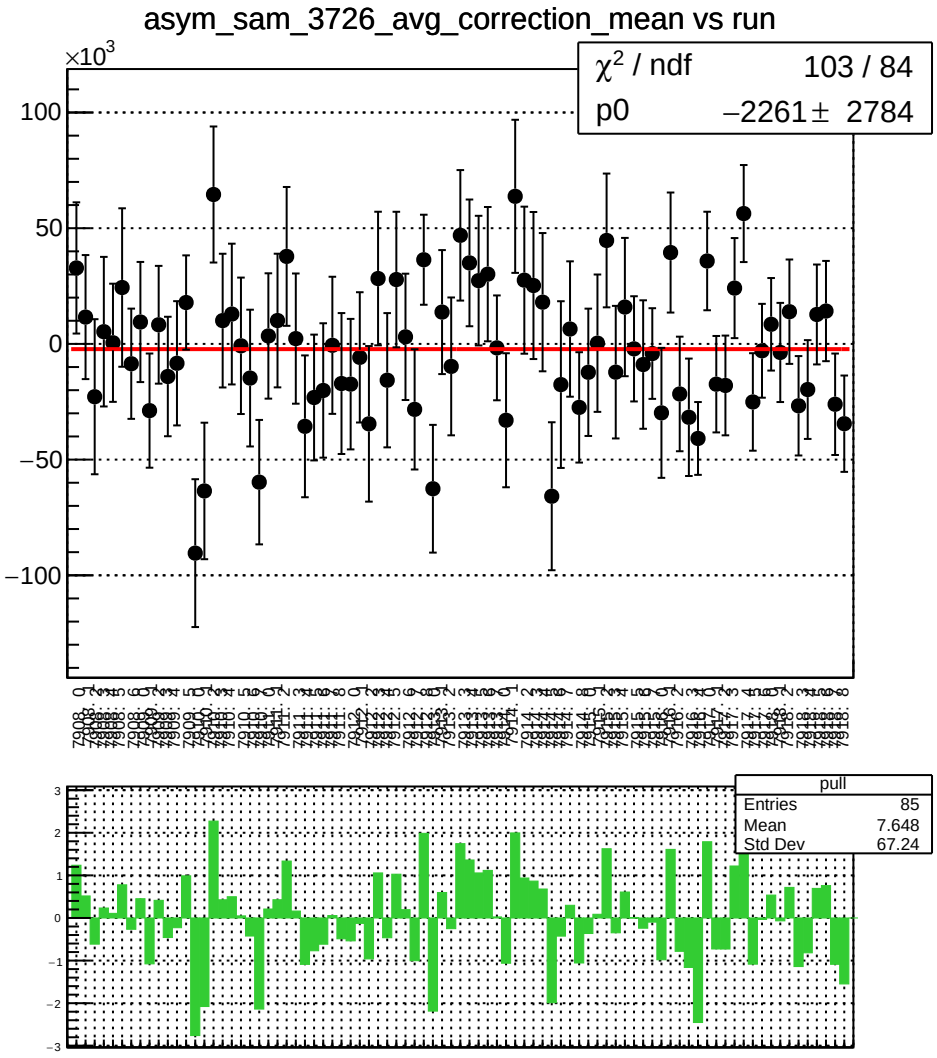

asym_sam_1526_avg_mean vs run
χ² / ndf 107.1 / 84
p0 811.4 ± 1262
60000
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −152.4
Std Dev 202.3
pull1D
Entries 85
Mean −0.007146
Std Dev 1.122

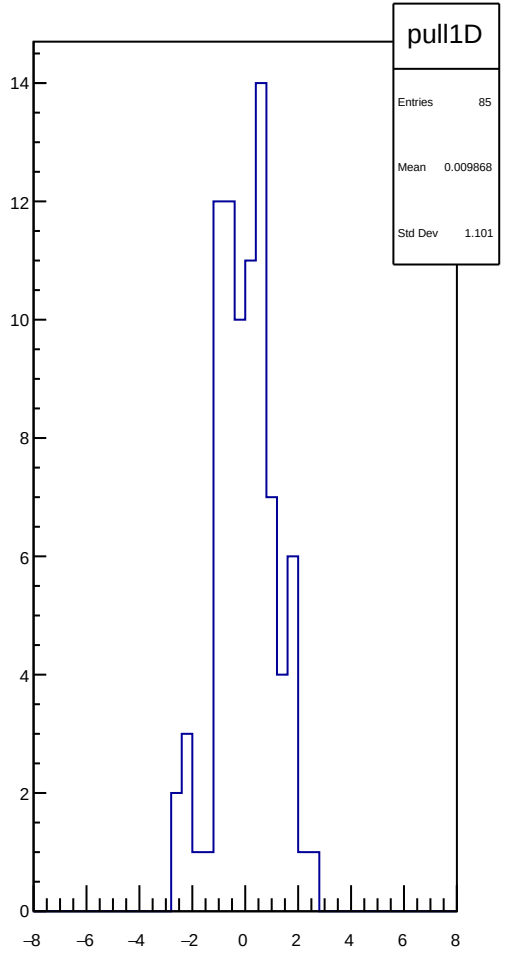

asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.075e+04 / 84
p0 1134 ± 0.8926
1500
1400
1300
1200
1100
1000
900

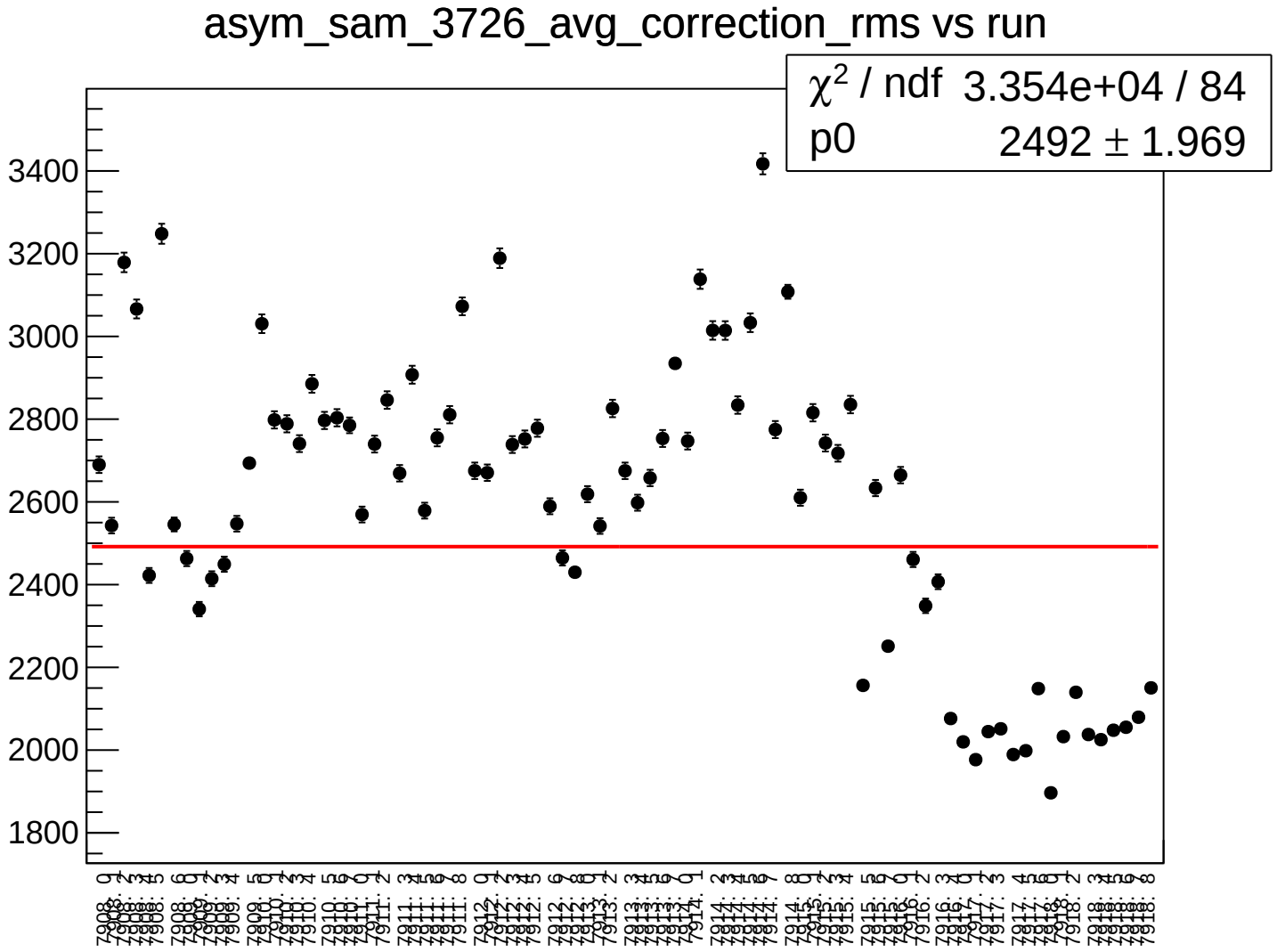

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 90.15 / 84
p0 −334.7 ± 338.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −189
Std Dev 227.6
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01976
Std Dev 1.03
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

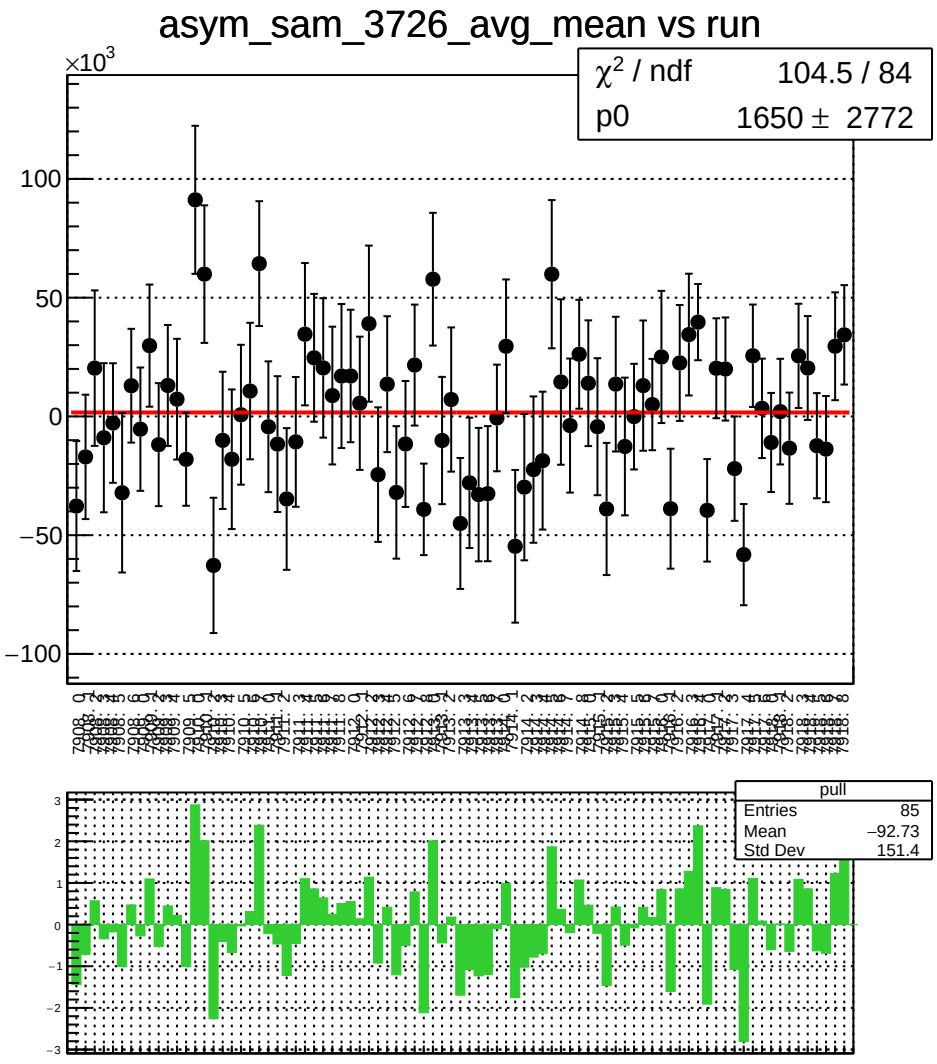
dit_asym_sam_3726_avg_rms vs run

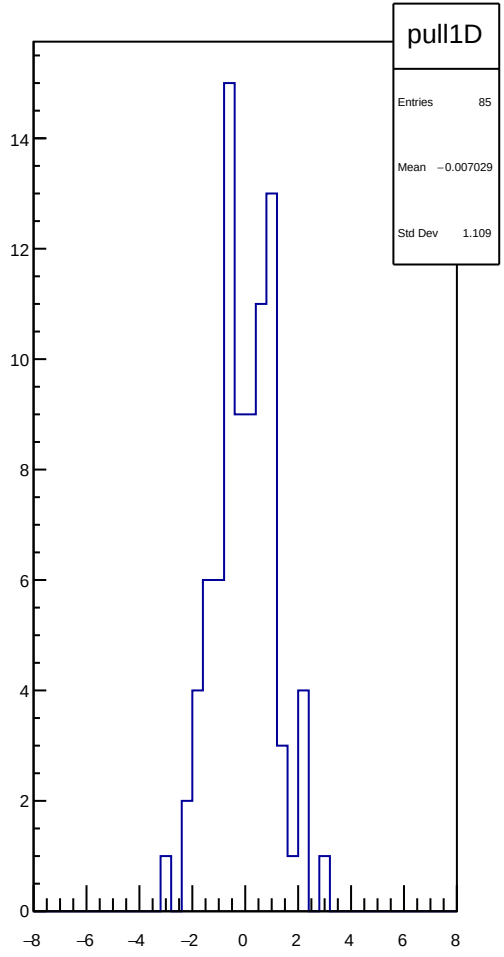


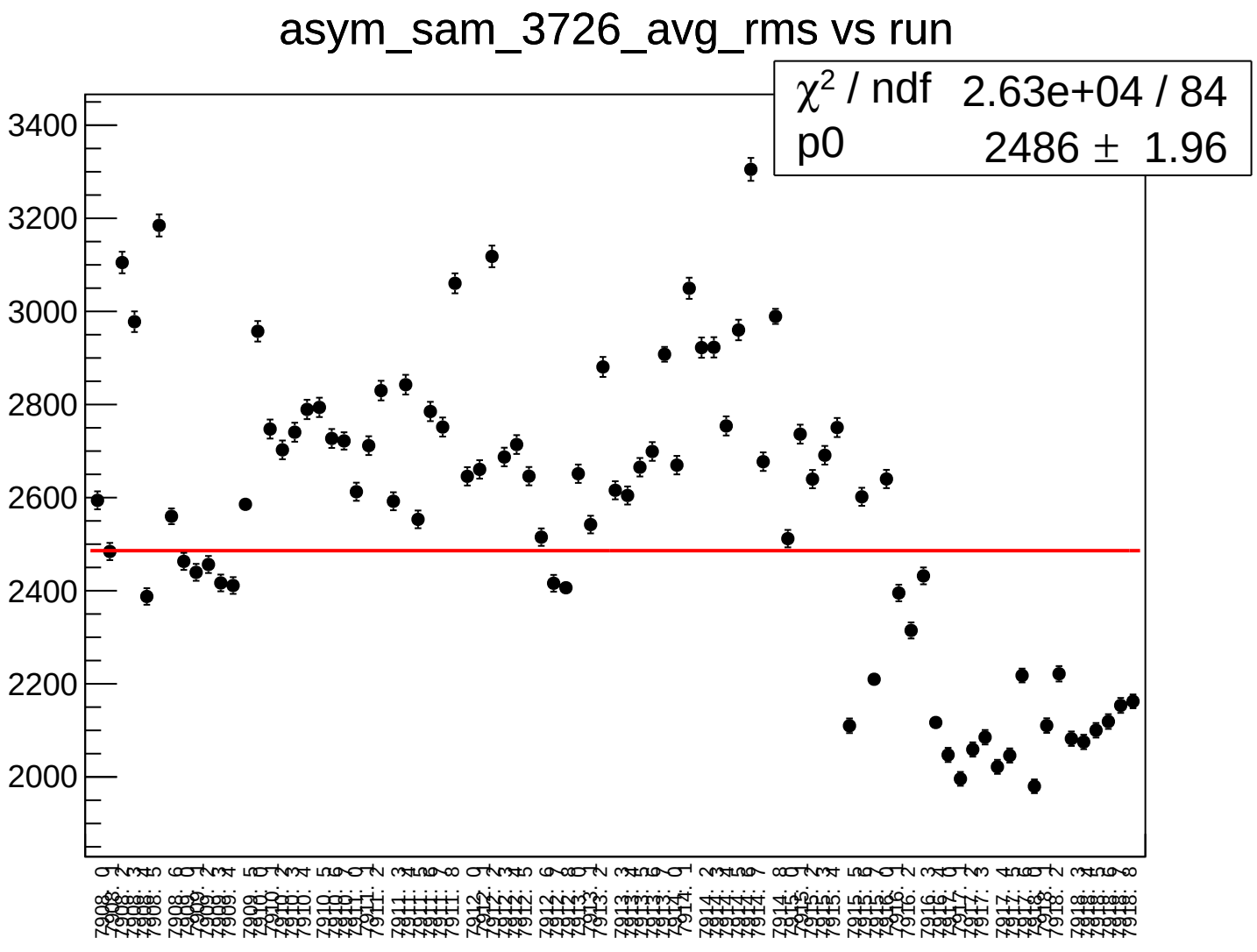

asym_sam_3726_avg_correction_mean vs run
×10^3
χ^2 / ndf 103 / 84
p0 −2261 ± 2784
pull
Entries 85
Mean 7.648
Std Dev 67.24

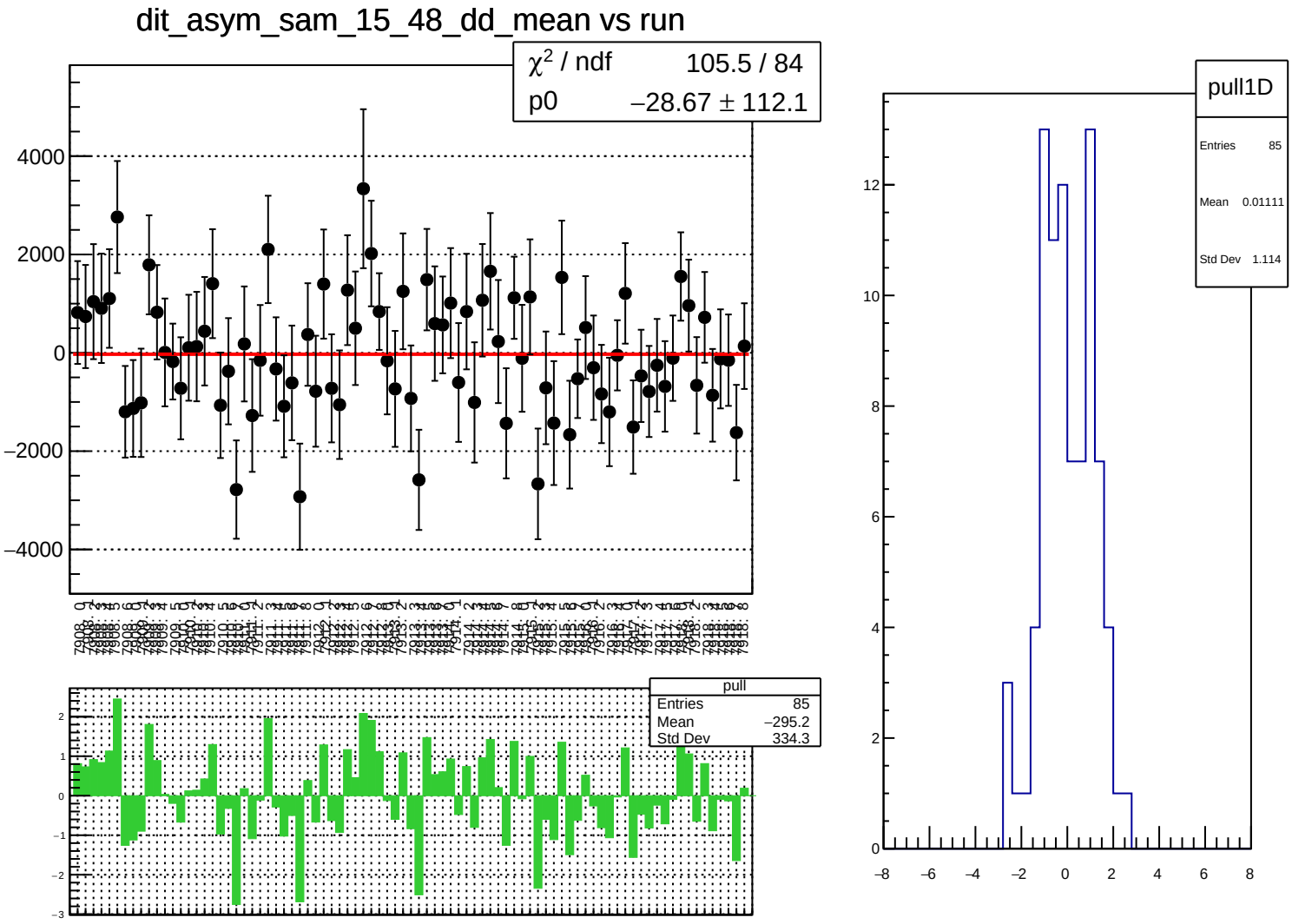

pull1D
Entries 85
Mean 0.009868
Std Dev 1.101


asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 3.354e+04 / 84
p0 2492 ± 1.969
3400
3200
3000
2800
2600
2400
2200
2000
1800

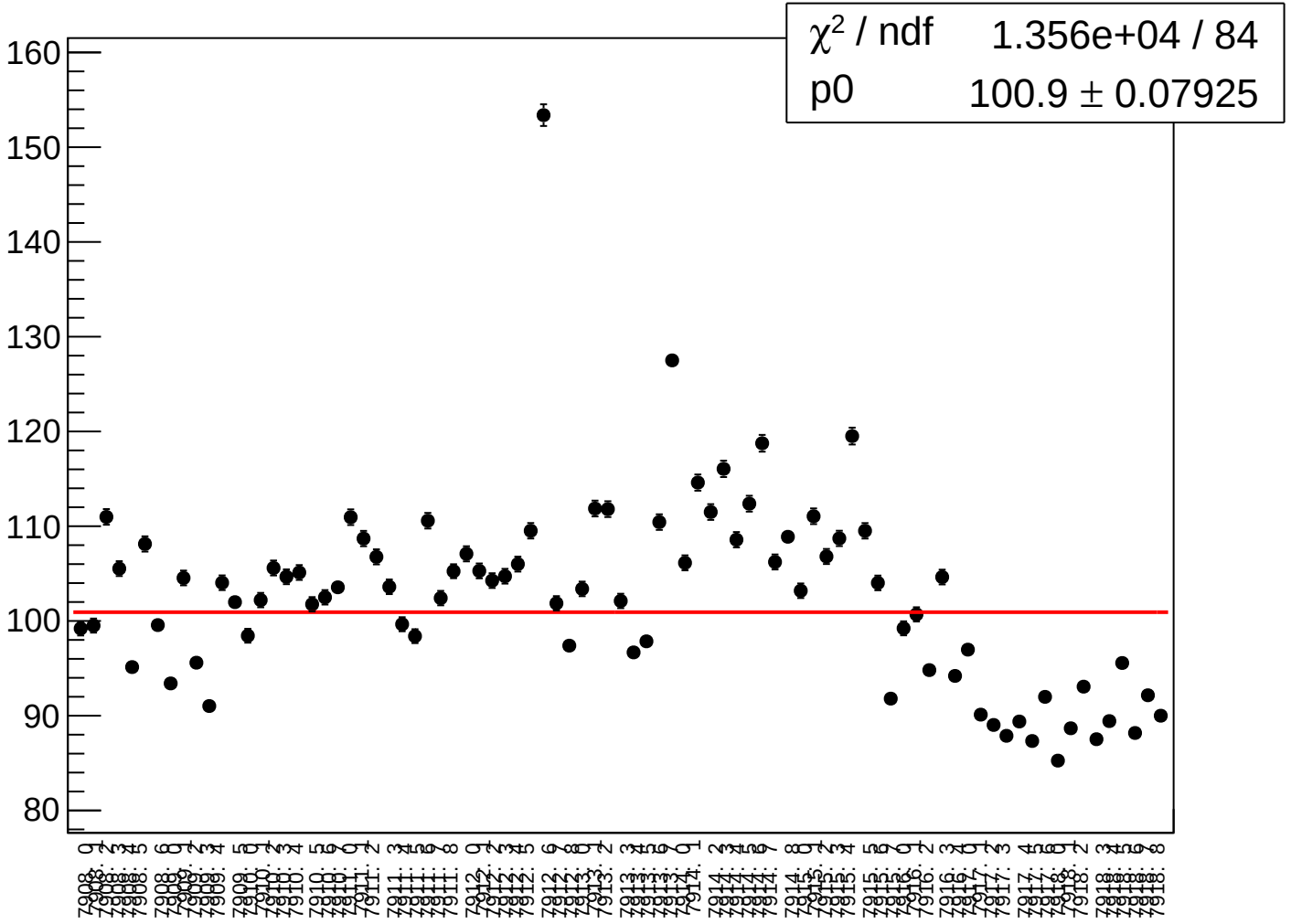

asym_sam_3726_avg_mean vs run
×10^3
χ² / ndf 104.5 / 84
p0 1650 ± 2772
pull
Entries 85
Mean −92.73
Std Dev 151.4

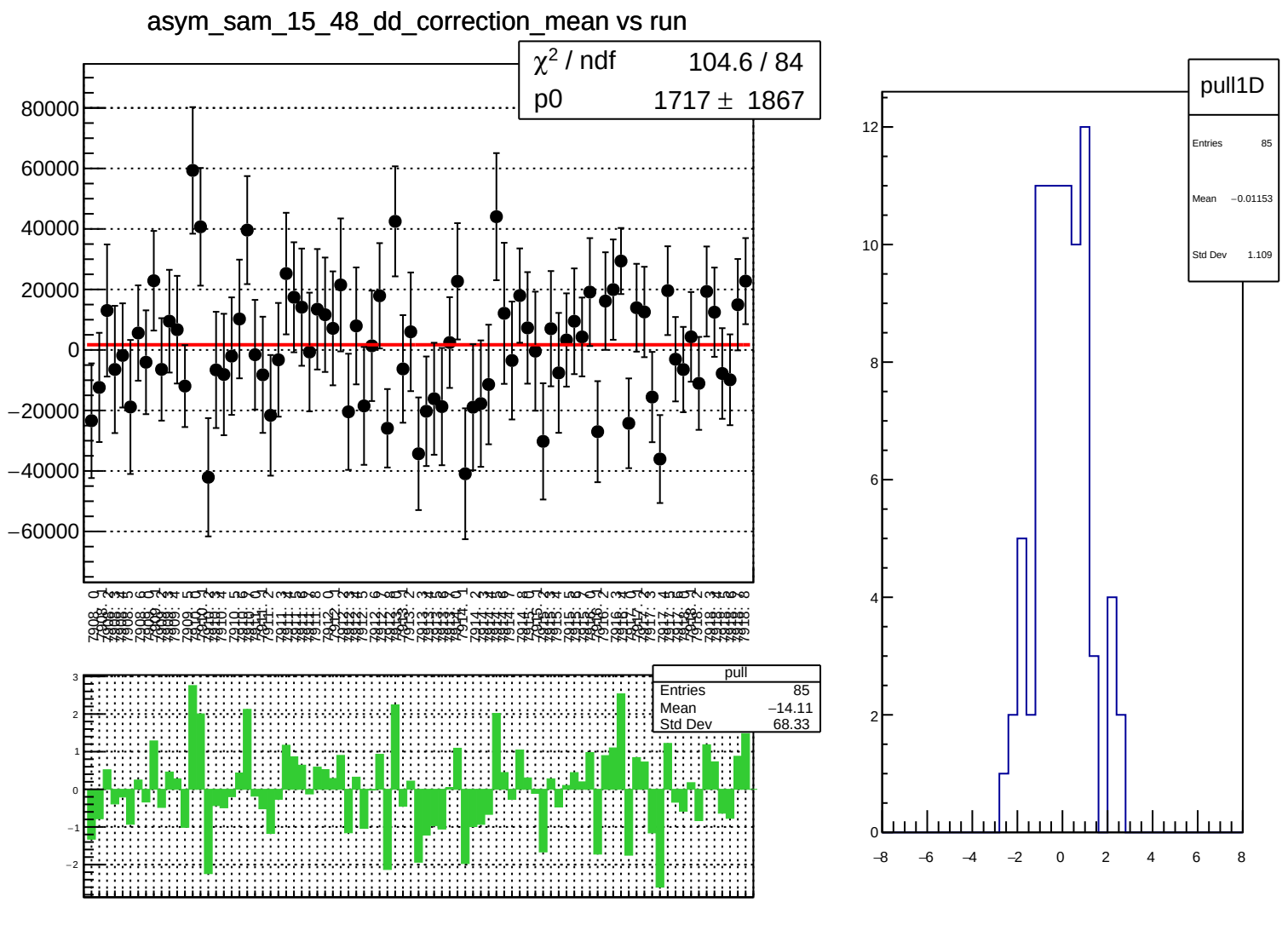

pull1D
Entries 85
Mean −0.007029
Std Dev 1.109

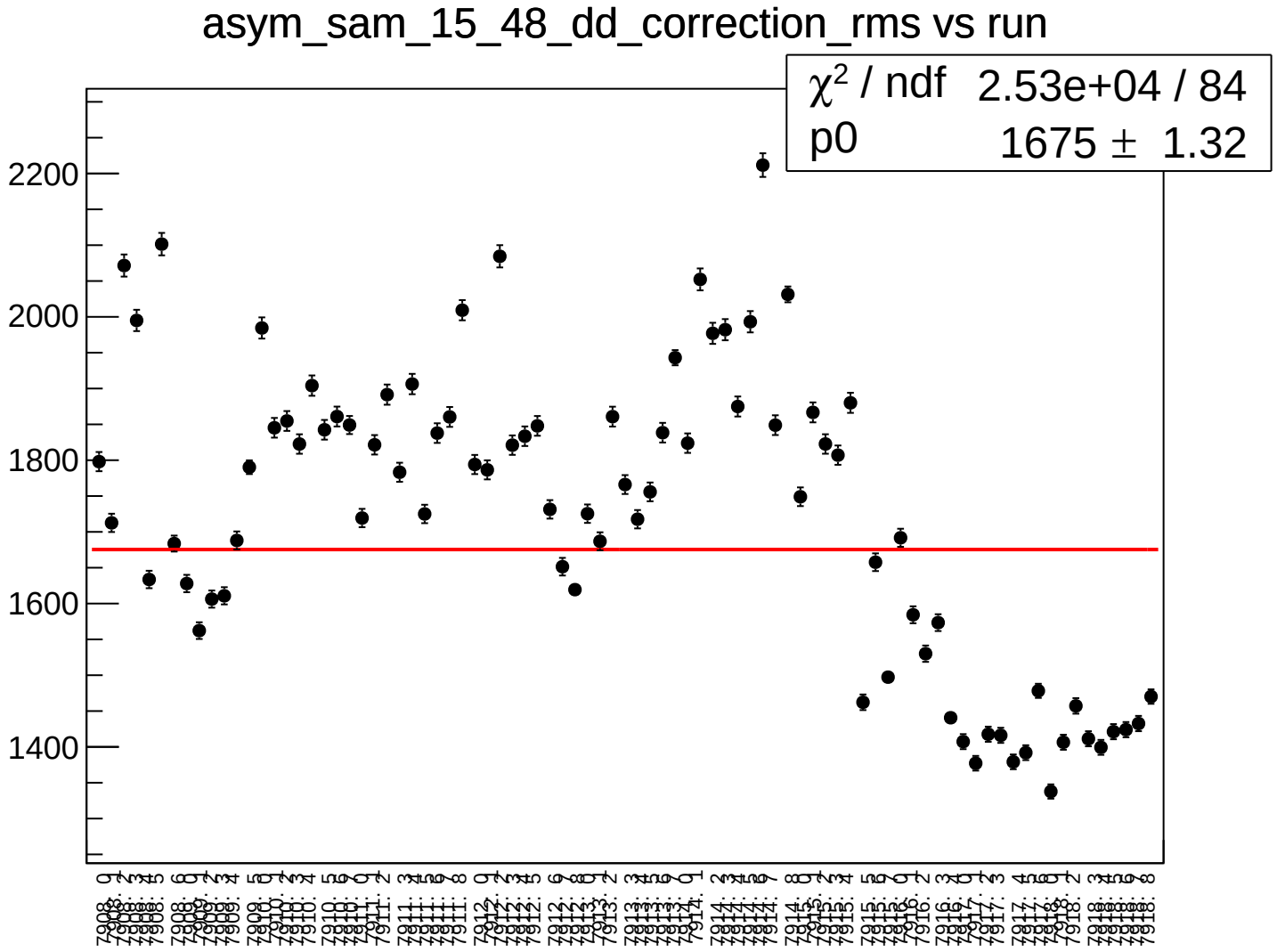

asym_sam_3726_avg_rms vs run
χ² / ndf 2.63e+04 / 84
p0 2486 ± 1.96
3400
3200
3000
2800
2600
2400
2200
2000

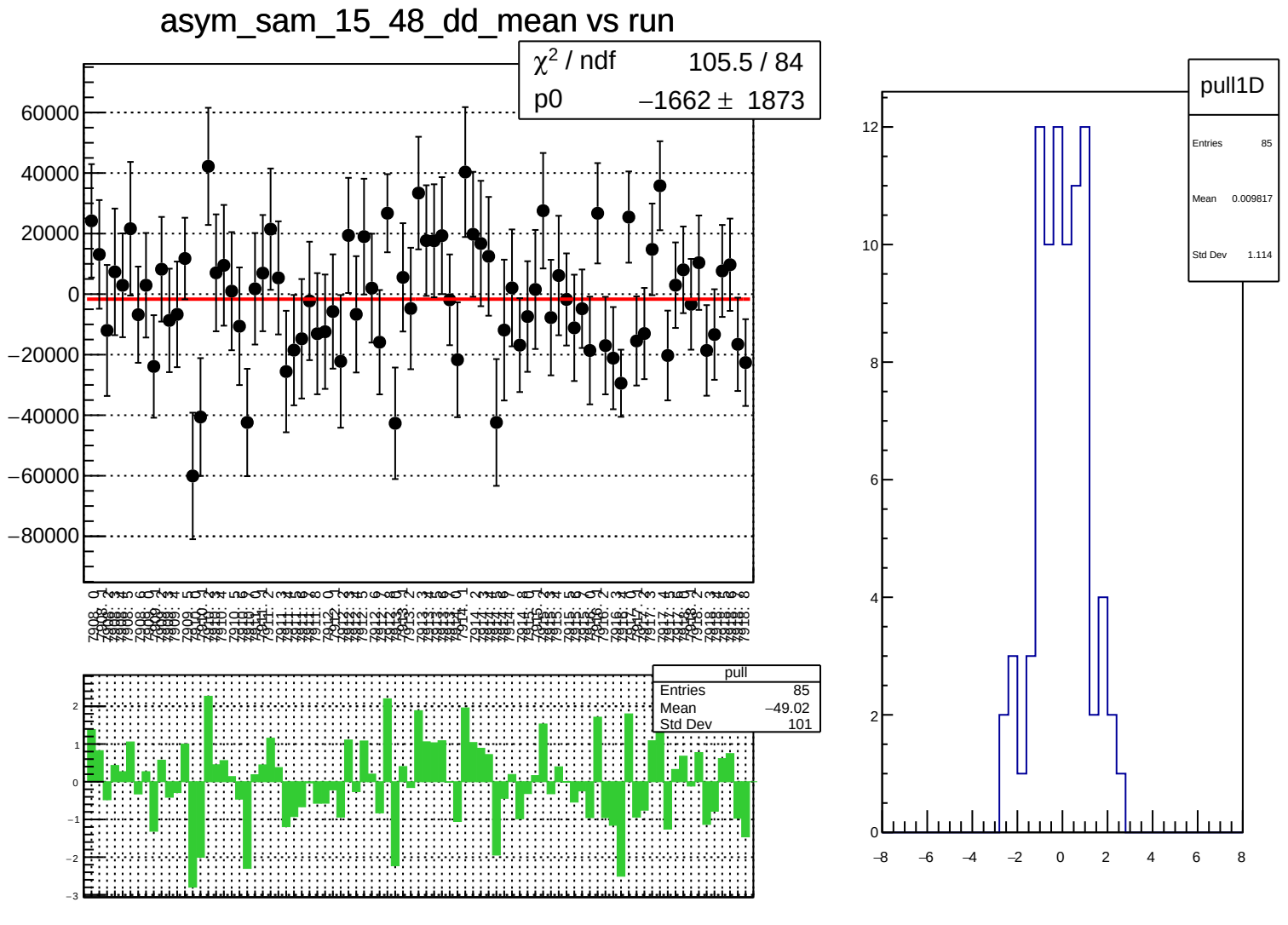

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 105.5 / 84
p0 −28.67 ± 112.1
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −295.2
Std Dev 334.3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.01111
Std Dev 1.114
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_48_dd_rms vs run

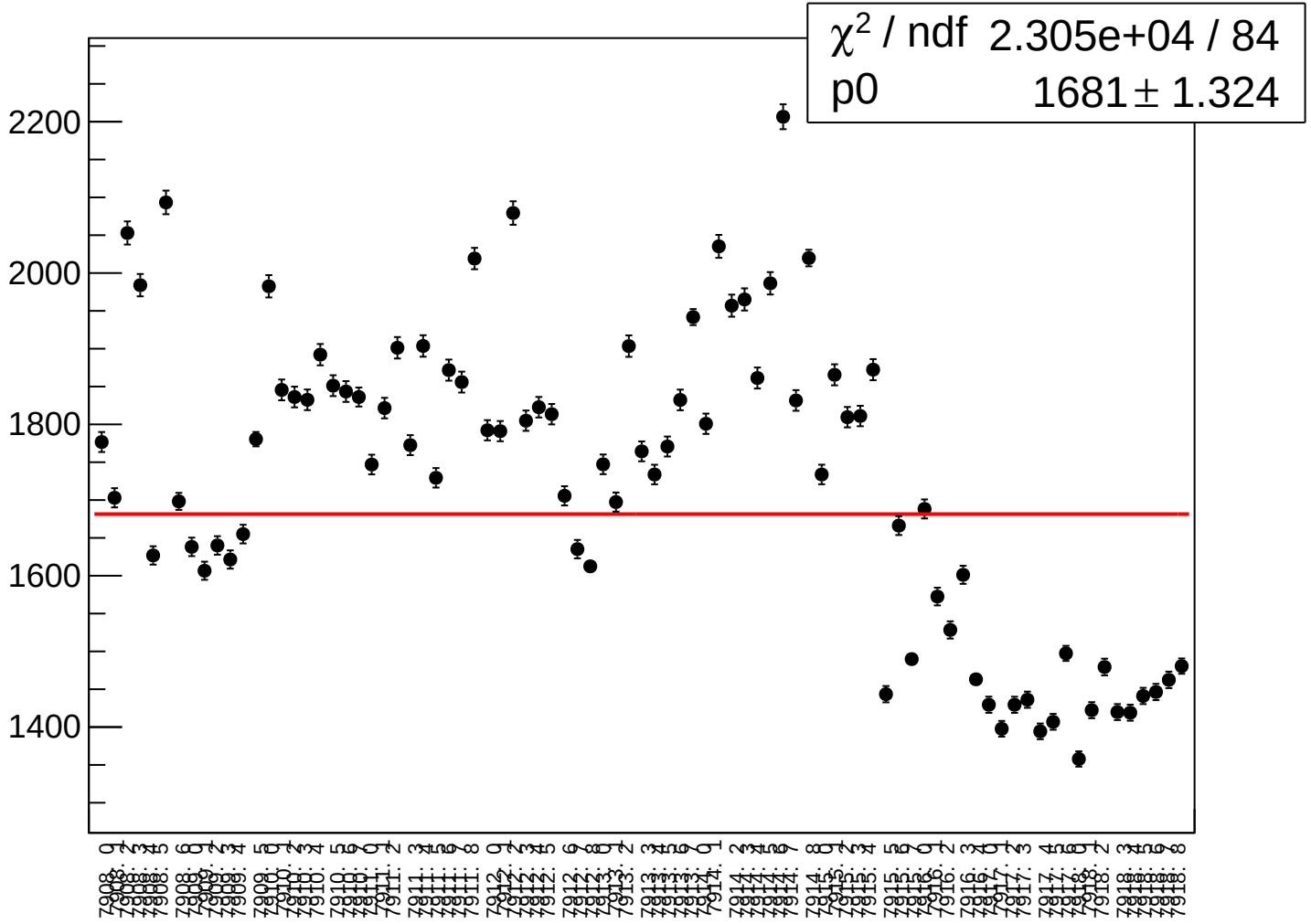


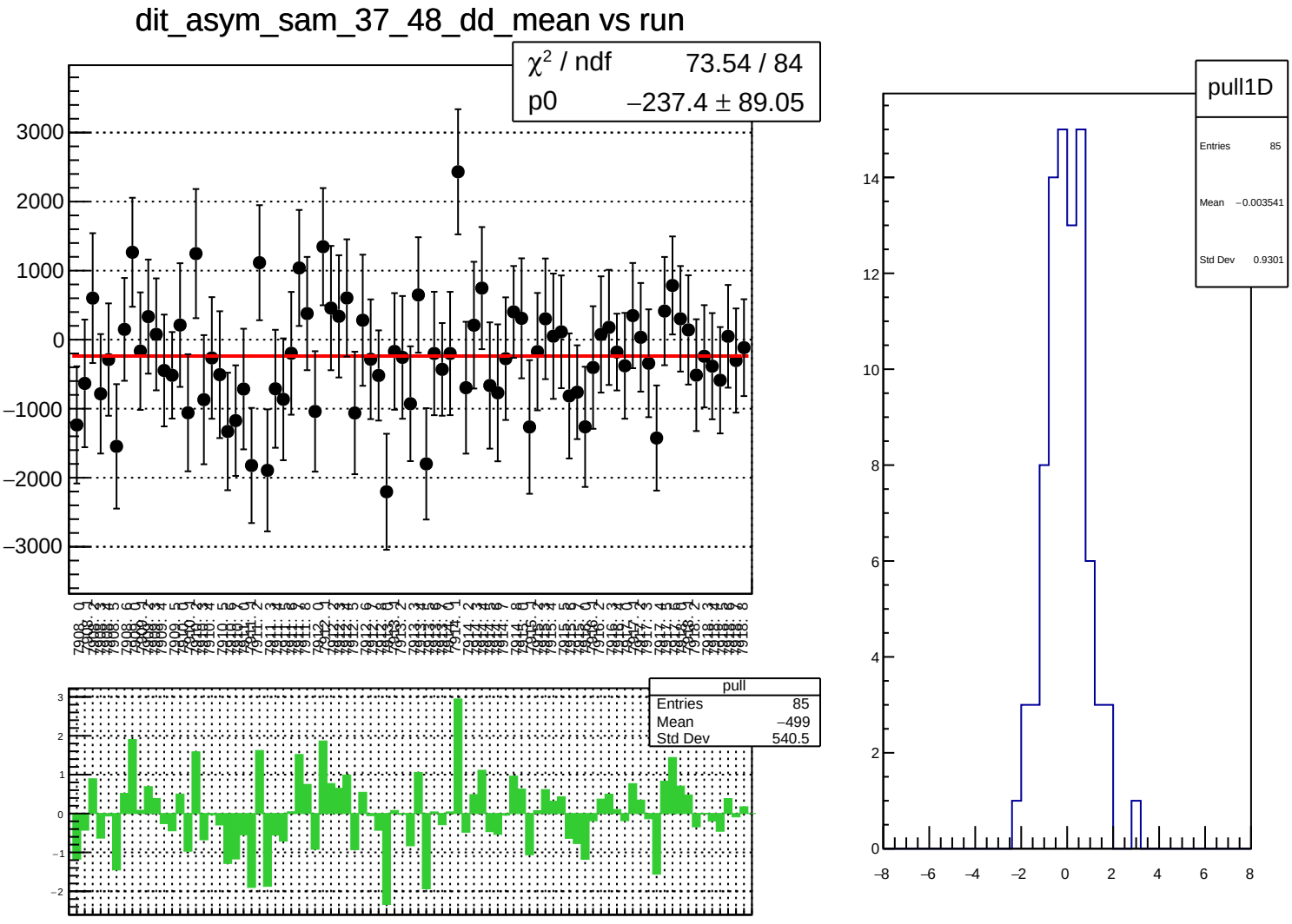

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 104.6 / 84
p0 1717 ± 1867
pull
Entries 85
Mean −14.11
Std Dev 68.33
pull1D
Entries 85
Mean −0.01153
Std Dev 1.109


asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2.53e+04 / 84
p0 1675 ± 1.32
2200
2000
1800
1600
1400

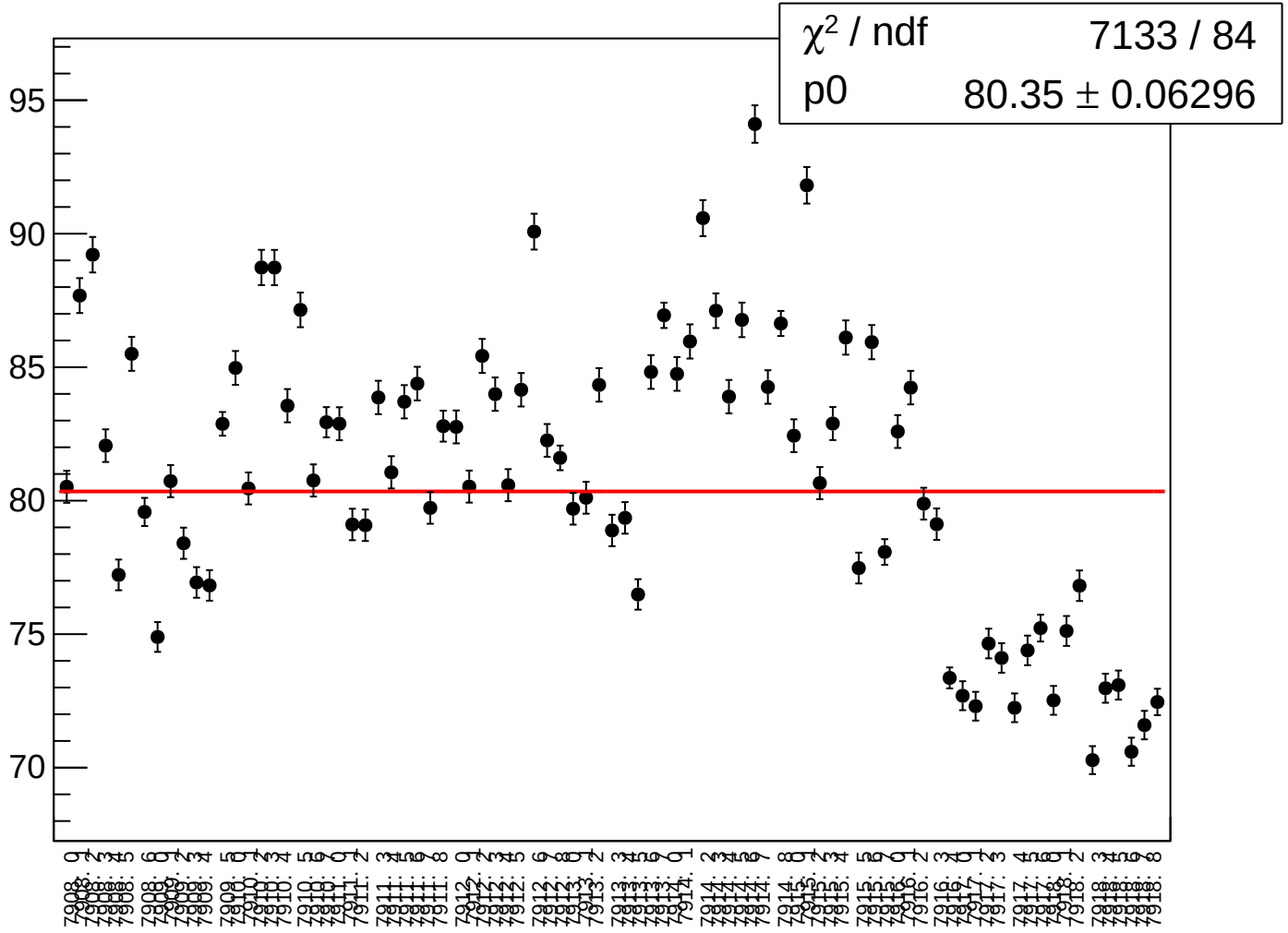

asym_sam_15_48_dd_mean vs run
χ² / ndf 105.5 / 84
p0 −1662 ± 1873
pull
Entries 85
Mean −49.02
Std Dev 101
pull1D
Entries 85
Mean 0.009817
Std Dev 1.114

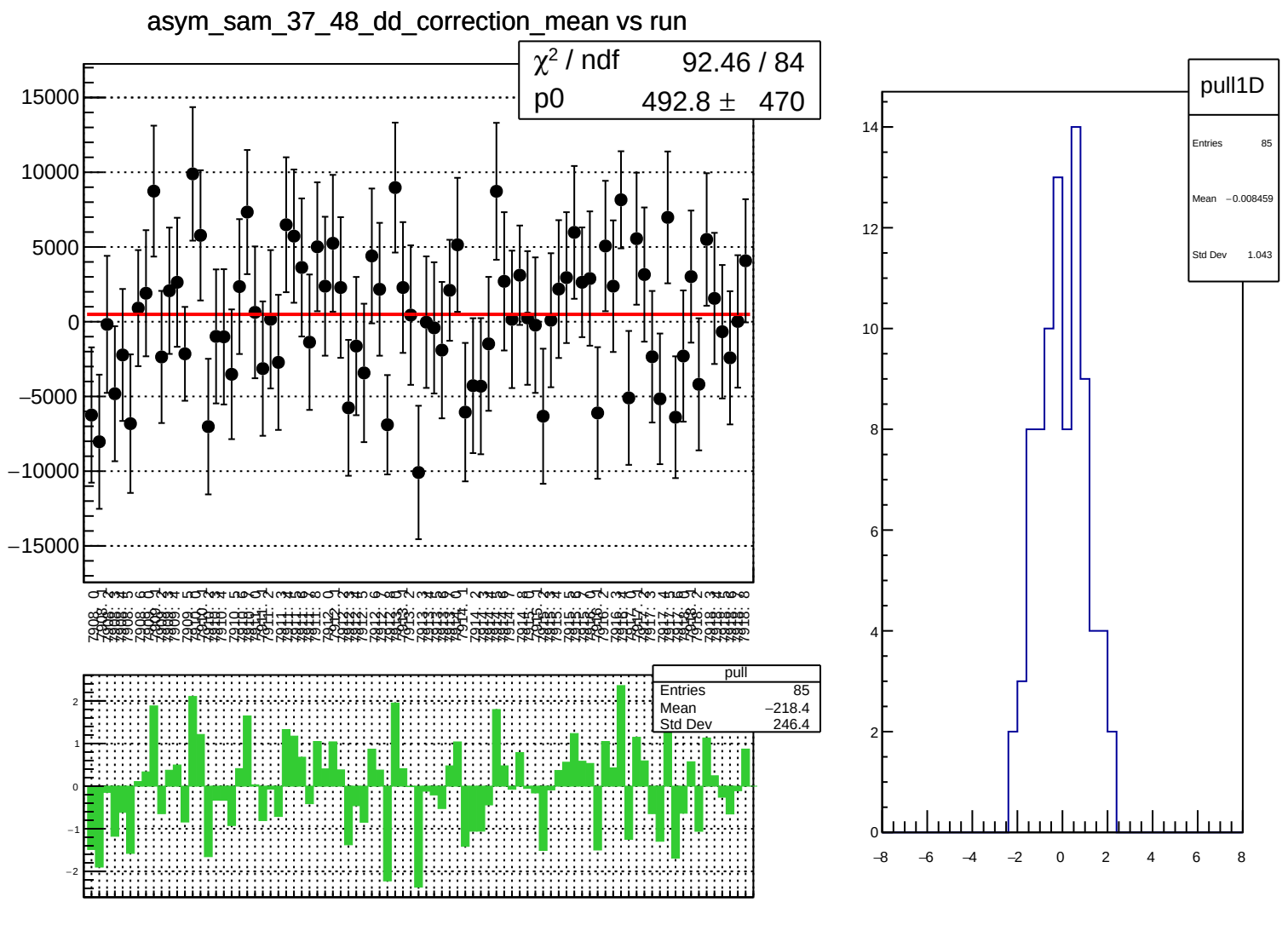
asym_sam_15_48_dd_rms vs run



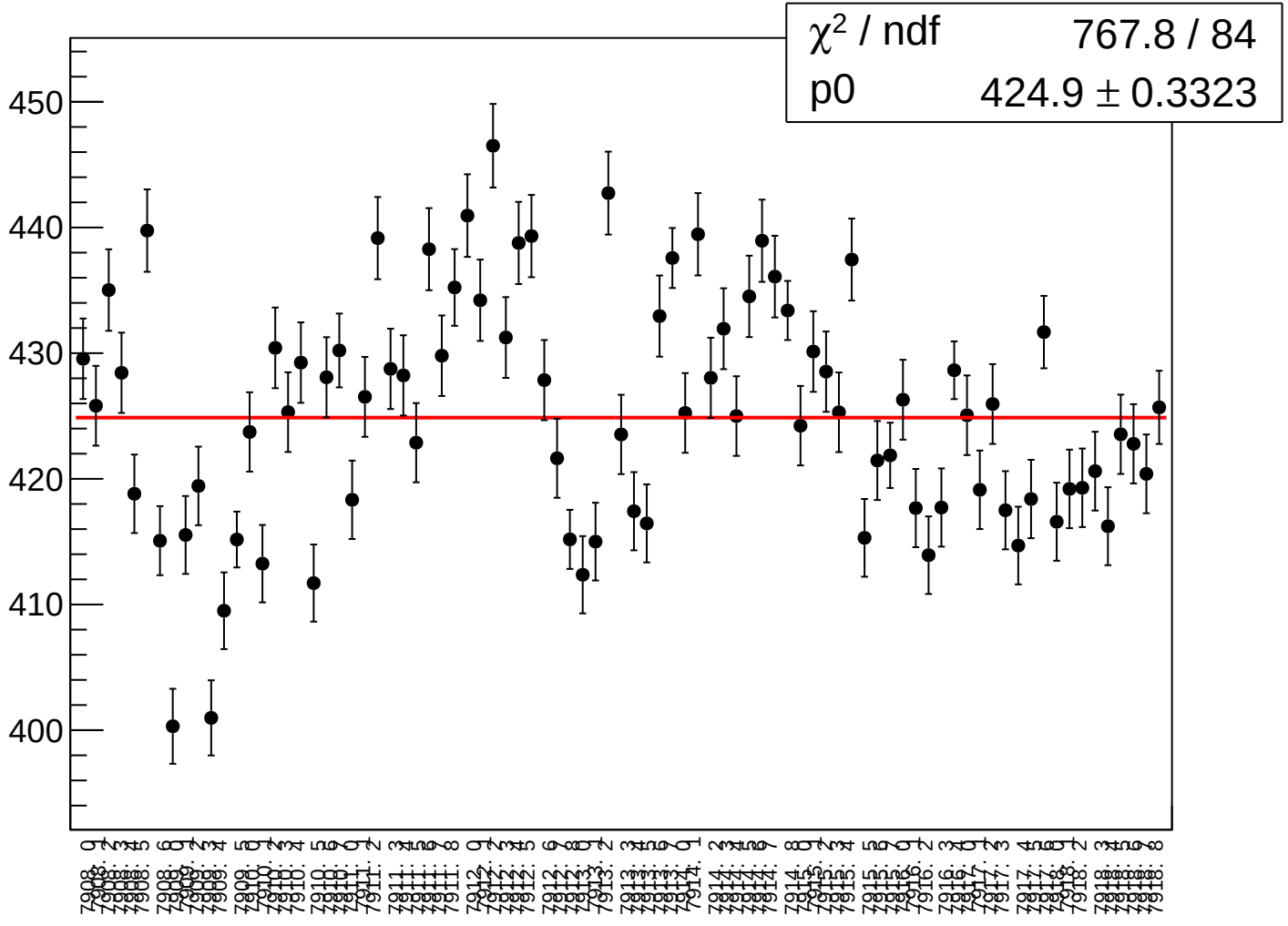

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 73.54 / 84
p0 −237.4 ± 89.05
pull
Entries 85
Mean −499
Std Dev 540.5
pull1D
Entries 85
Mean −0.003541
Std Dev 0.9301

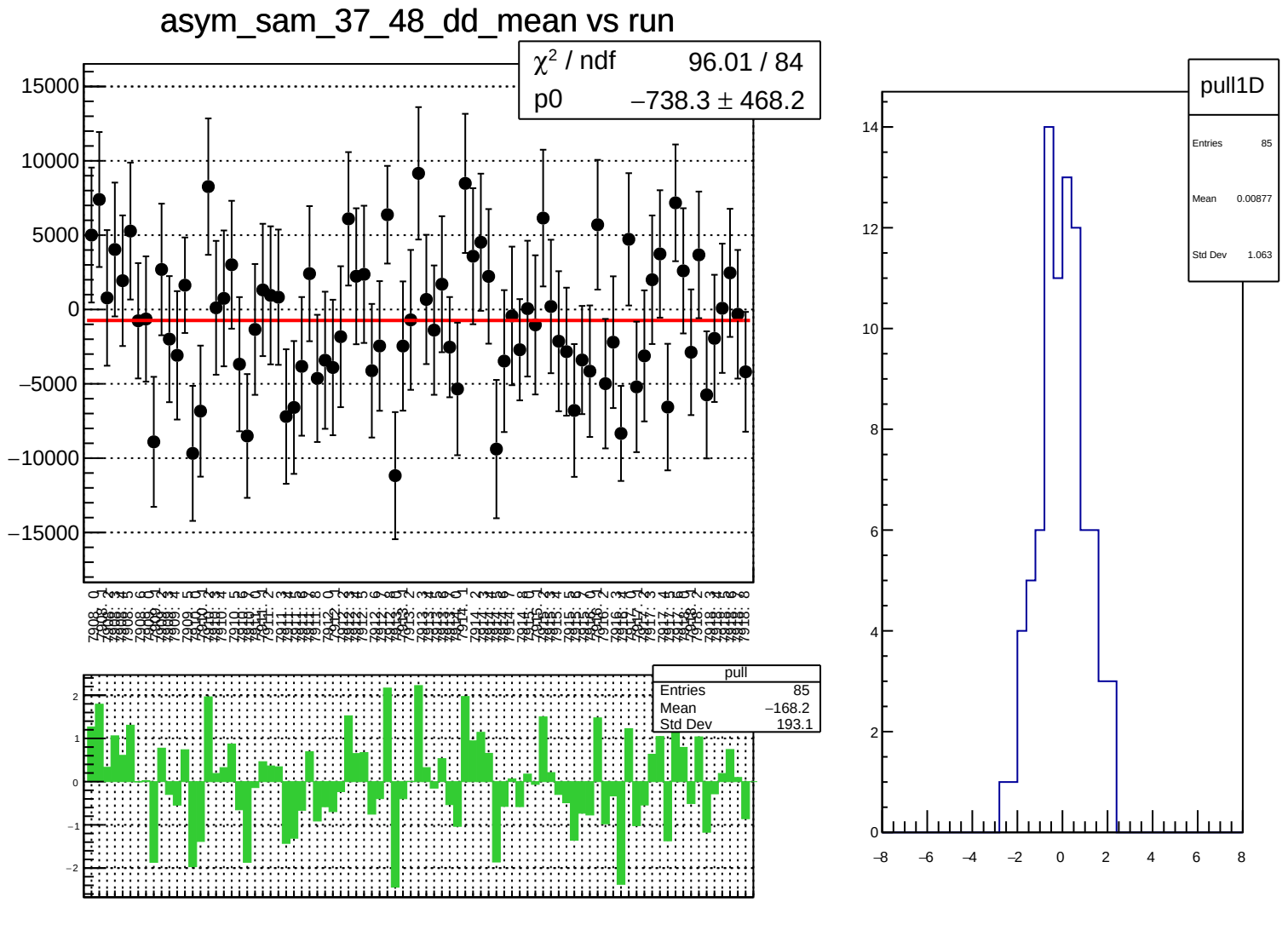
dit_asym_sam_37_48_dd_rms vs run

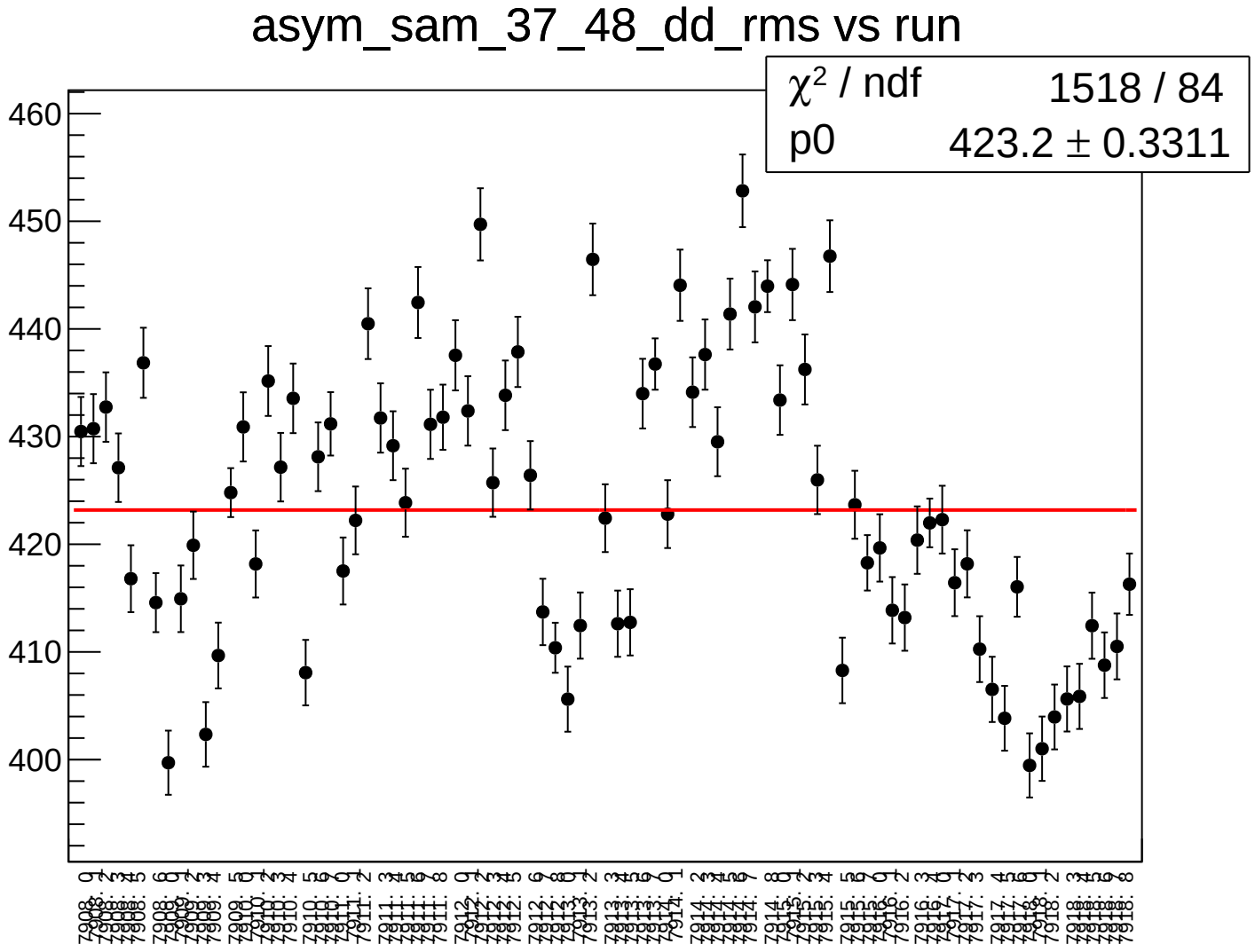


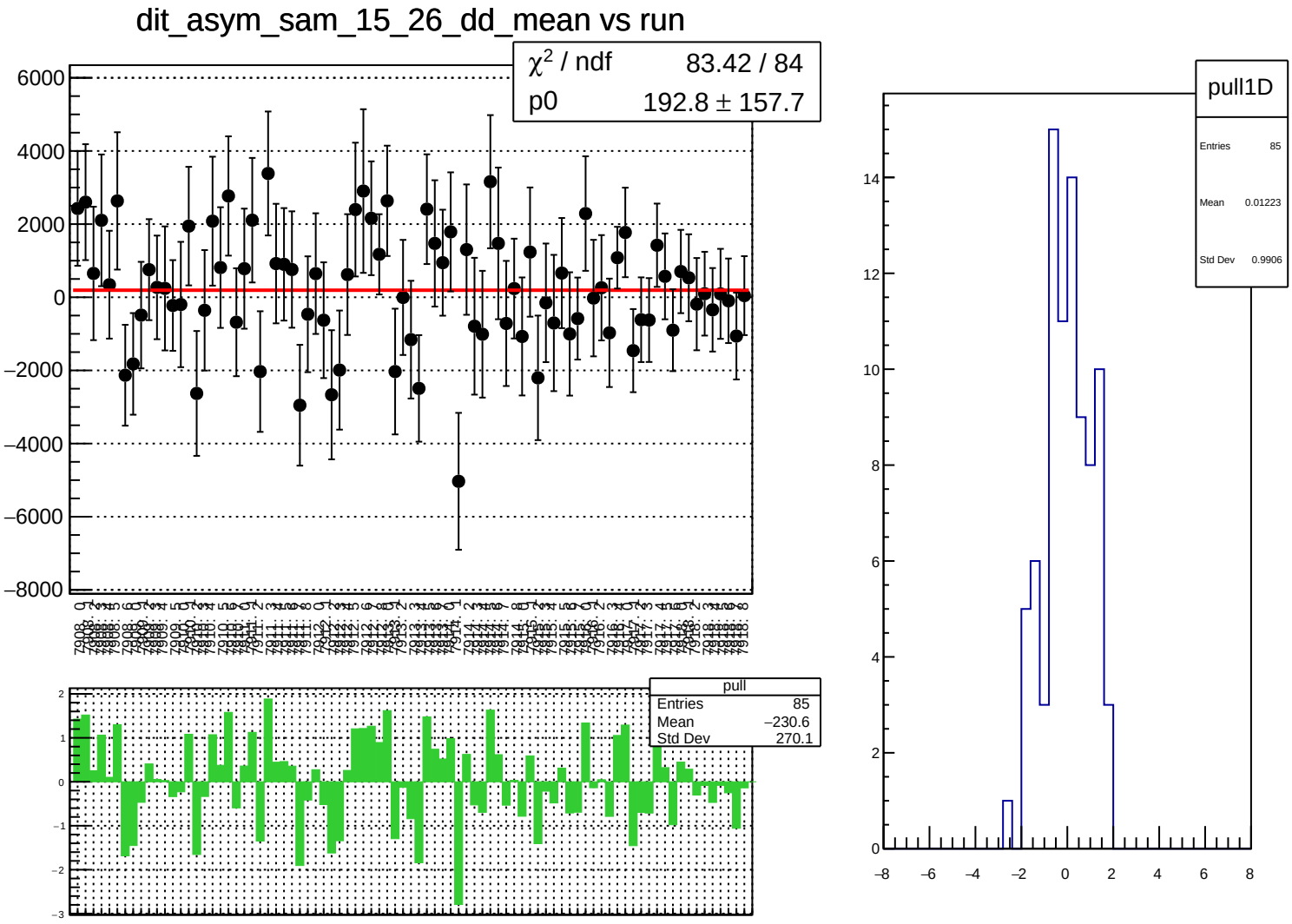

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 92.46 / 84
p0 492.8 ± 470
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −218.4
Std Dev 246.4
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.008459
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

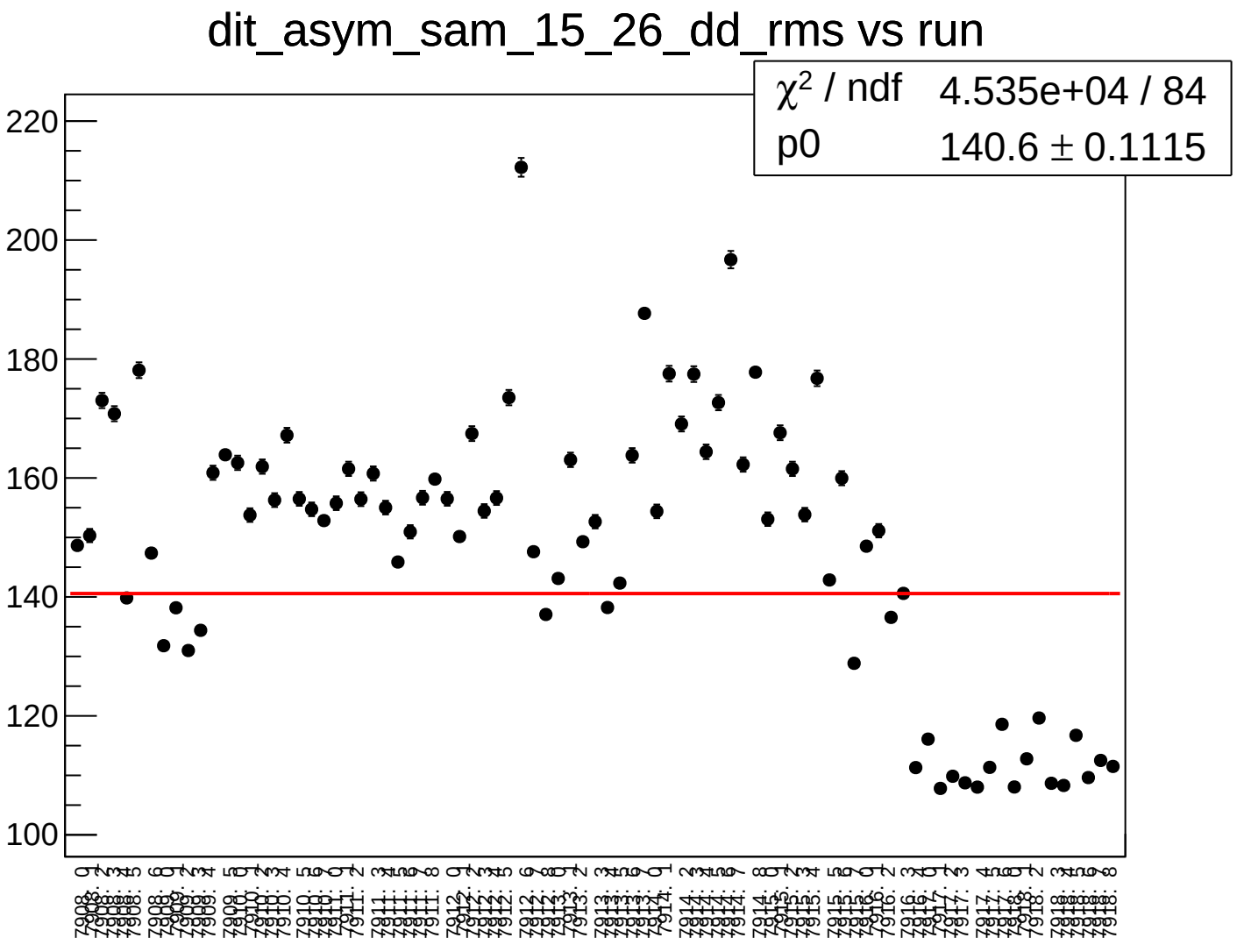
asym_sam_37_48_dd_correction_rms vs run

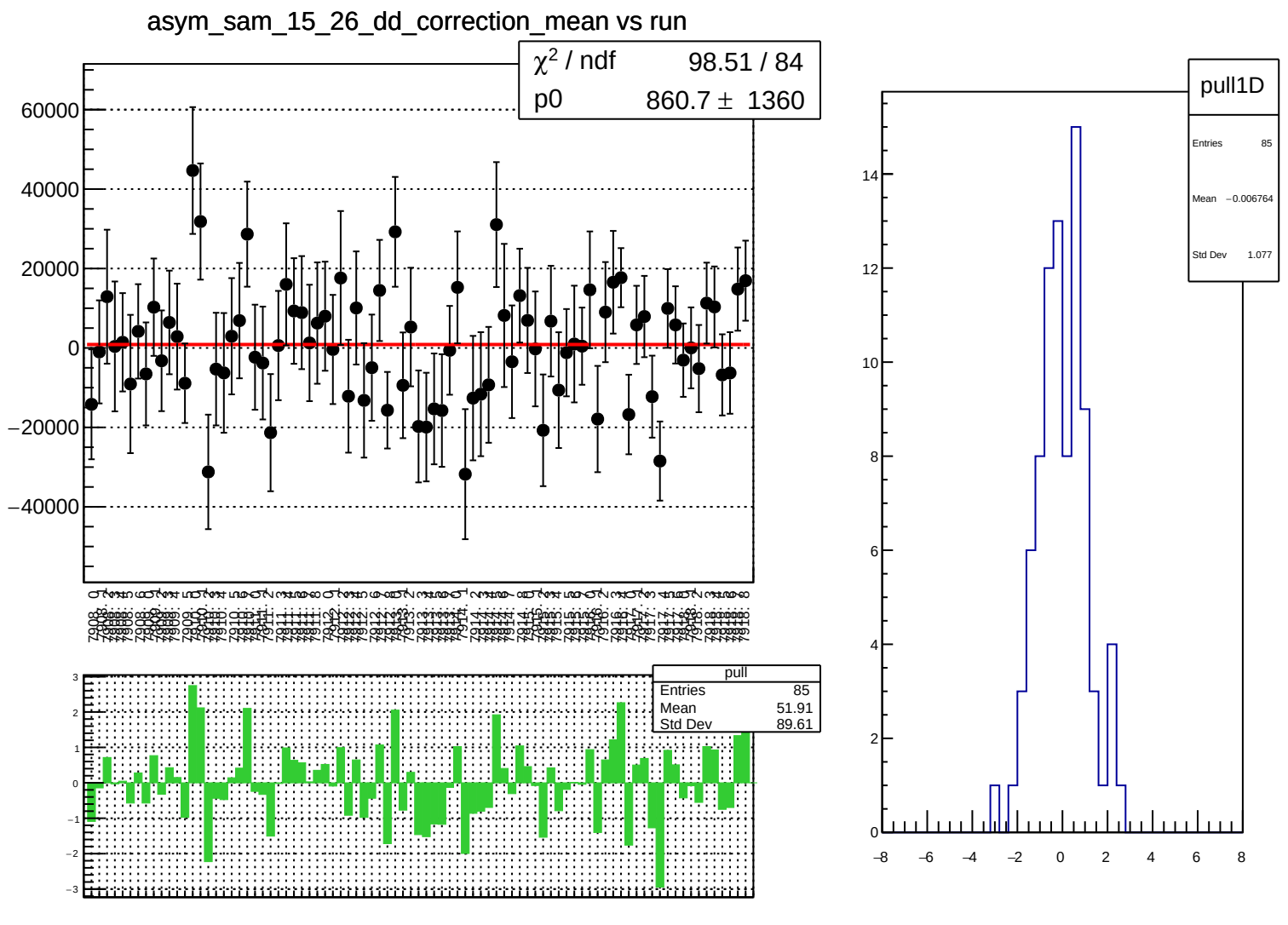


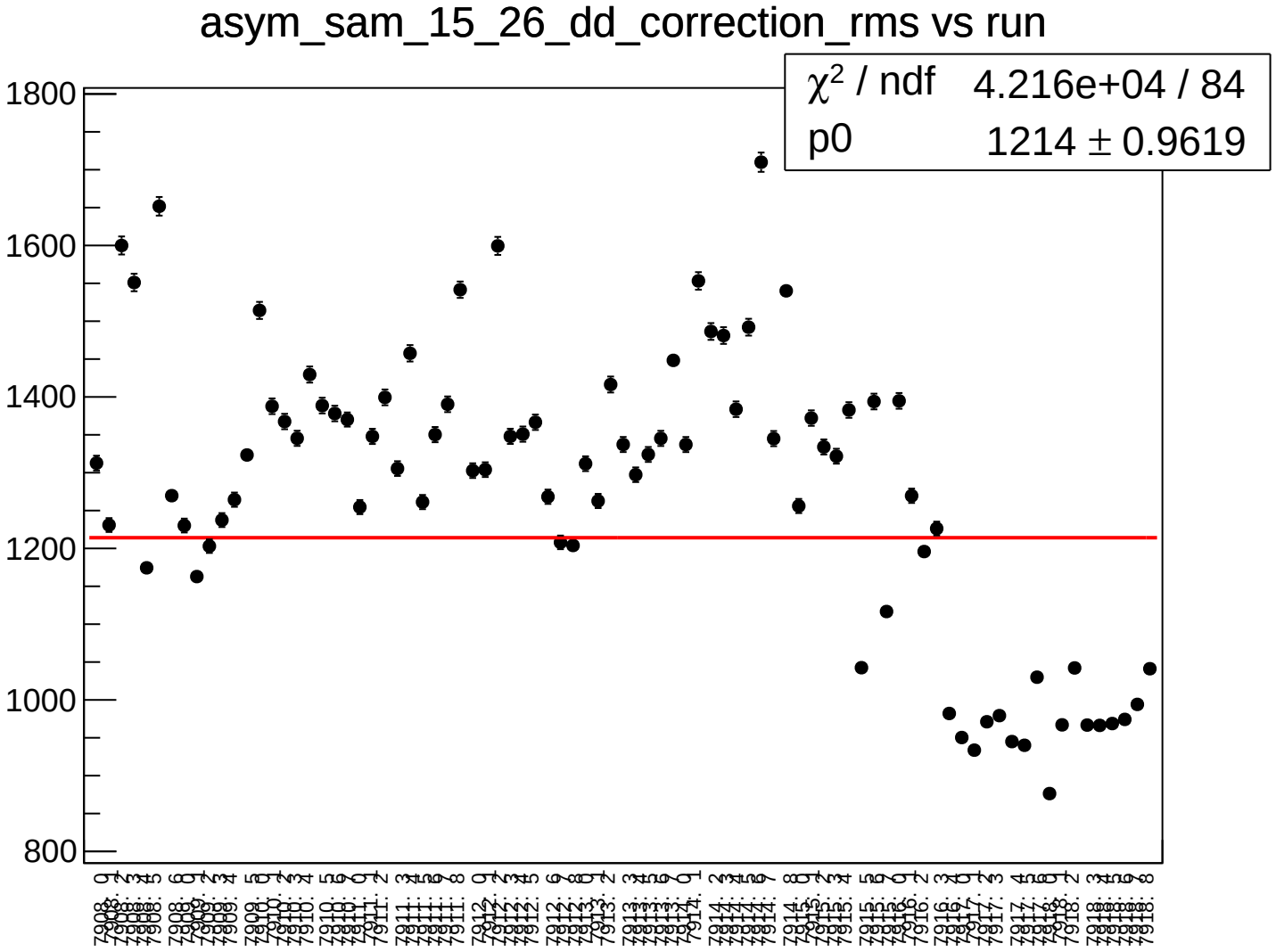

asym_sam_37_48_dd_mean vs run
χ² / ndf 96.01 / 84
p0 −738.3 ± 468.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −168.2
Std Dev 193.1
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.00877
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

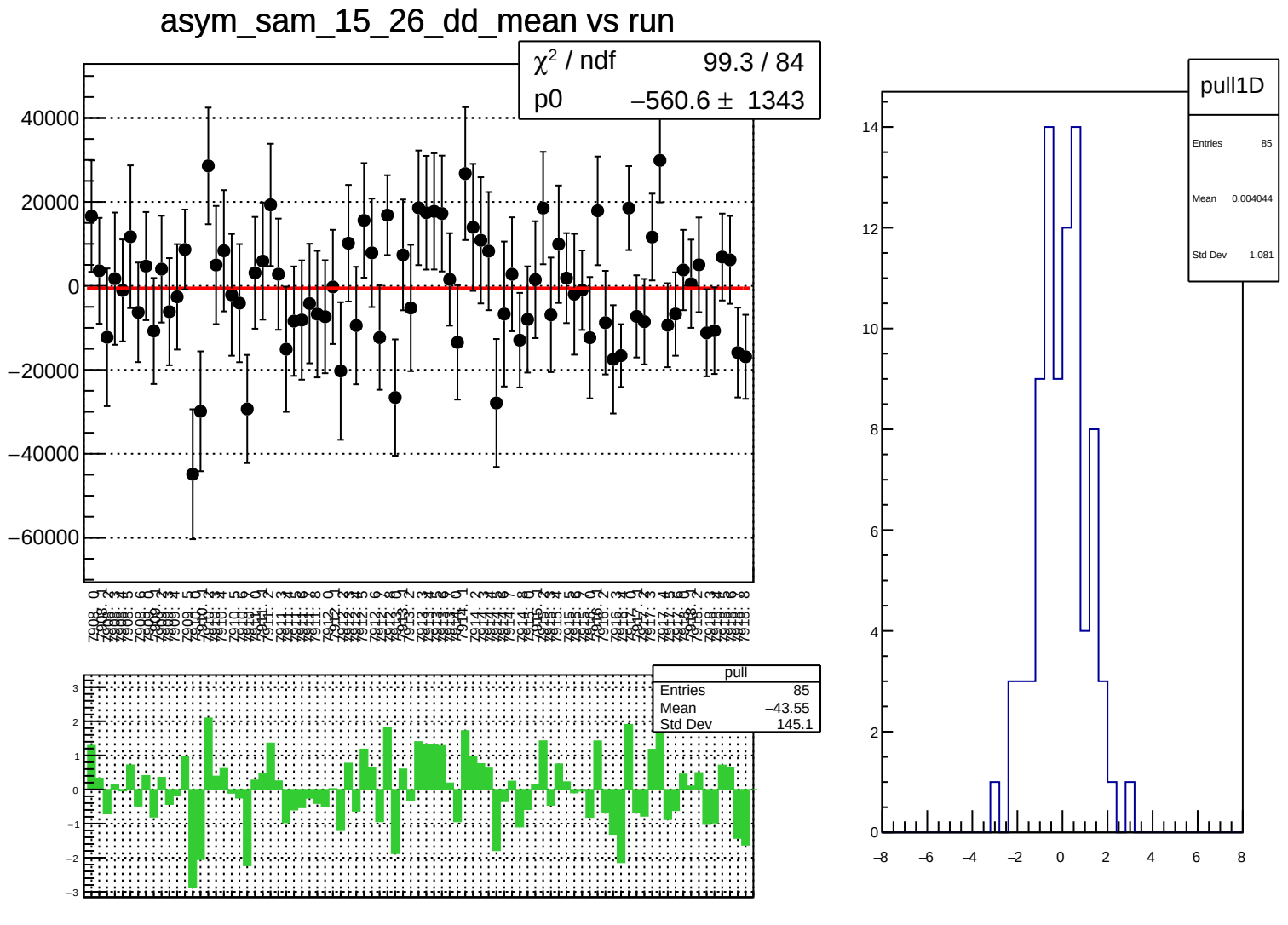

asym_sam_37_48_dd_rms vs run
χ² / ndf 1518 / 84
p0 423.2 ± 0.3311
460
450
440
430
420
410
400


dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 83.42 / 84
p0 192.8 ± 157.7
pull
Entries 85
Mean −230.6
Std Dev 270.1
pull1D
Entries 85
Mean 0.01223
Std Dev 0.9906

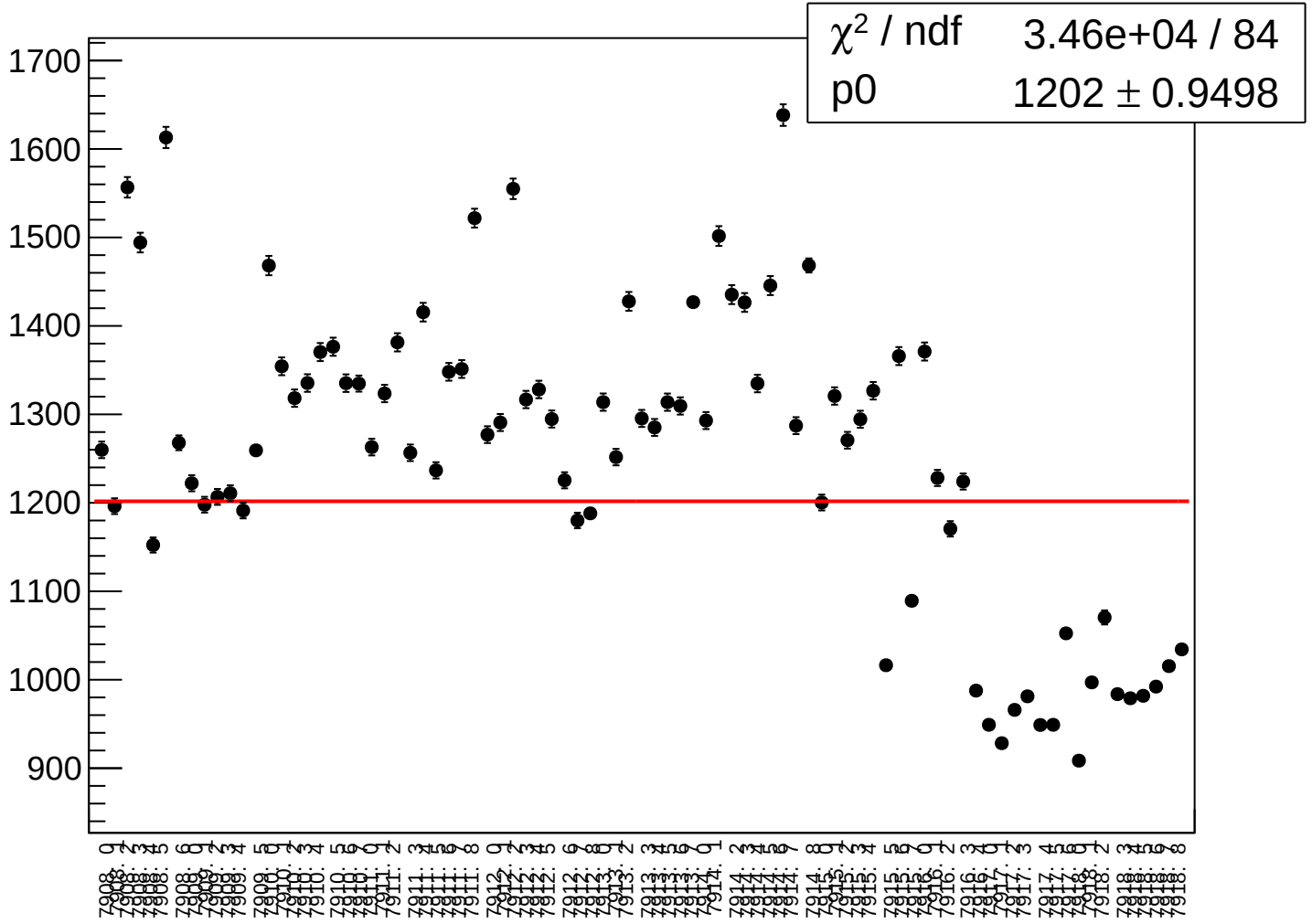

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 4.535e+04 / 84
p0 140.6 ± 0.1115
220
200
180
160
140
120
100

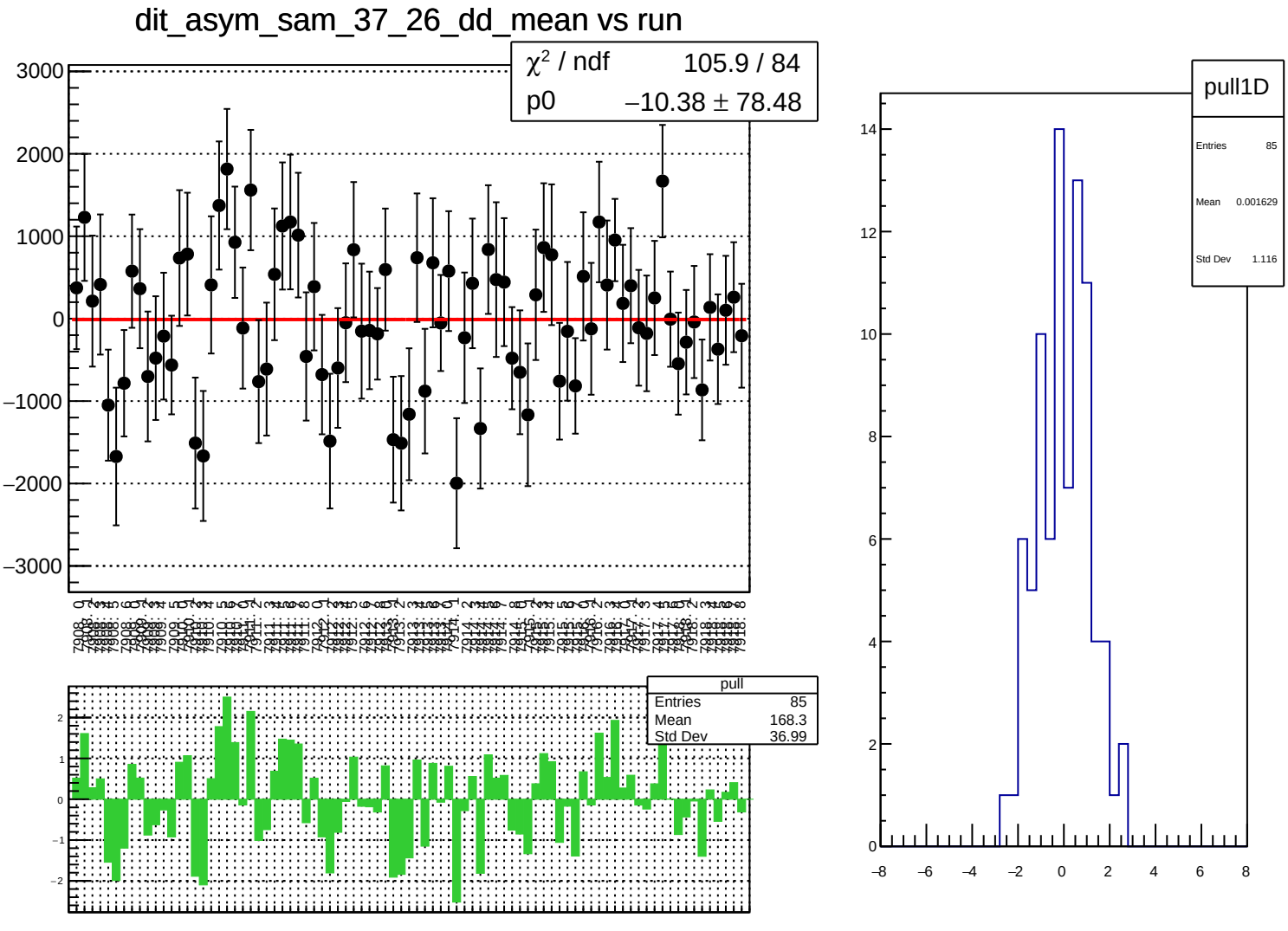

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 98.51 / 84
p0 860.7 ± 1360
pull
Entries 85
Mean 51.91
Std Dev 89.61
pull1D
Entries 85
Mean −0.006764
Std Dev 1.077


asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 4.216e+04 / 84
p0 1214 ± 0.9619
1800
1600
1400
1200
1000
800

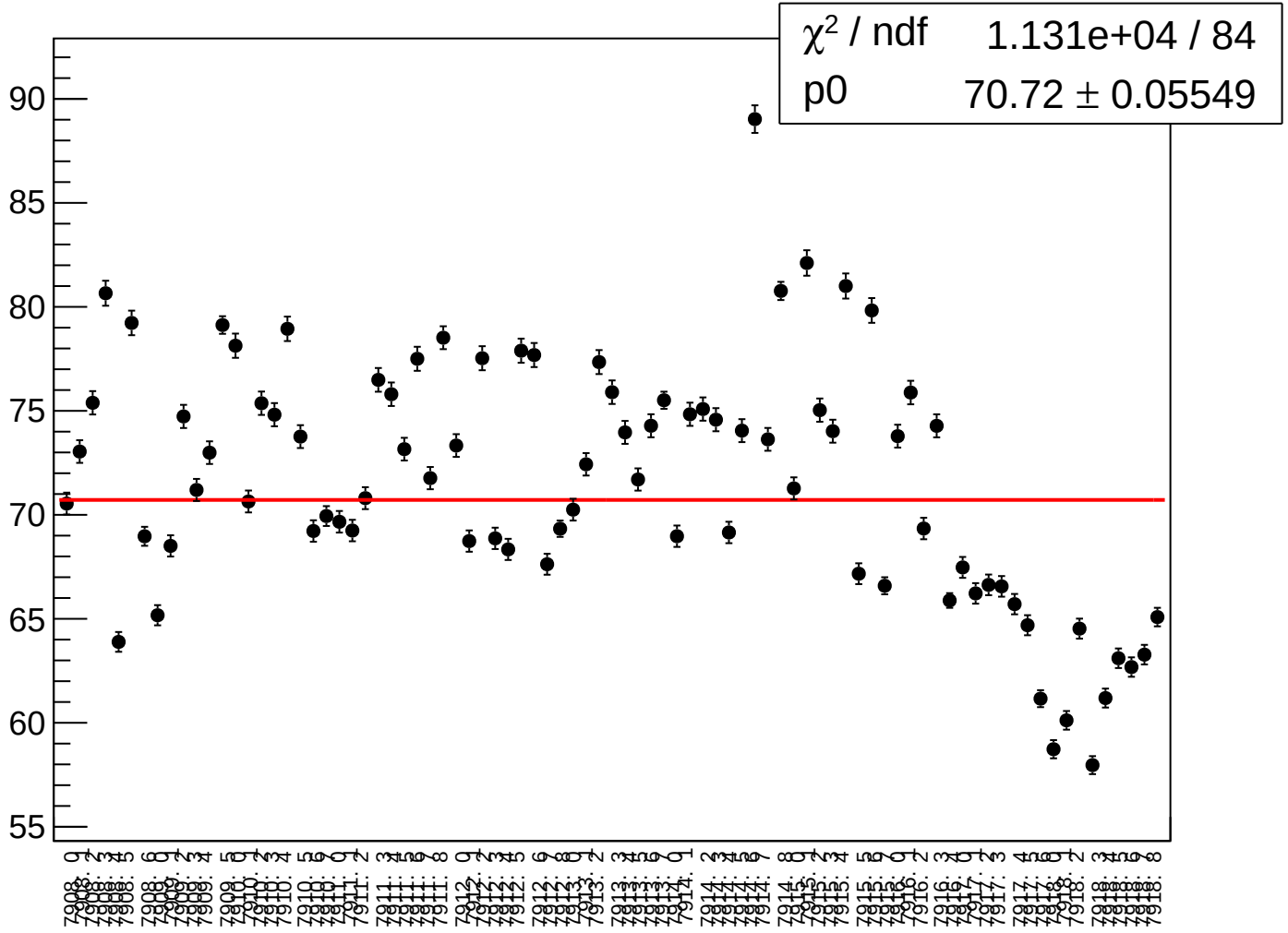

asym_sam_15_26_dd_mean vs run
χ² / ndf 99.3 / 84
p0 −560.6 ± 1343
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −43.55
Std Dev 145.1
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.004044
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

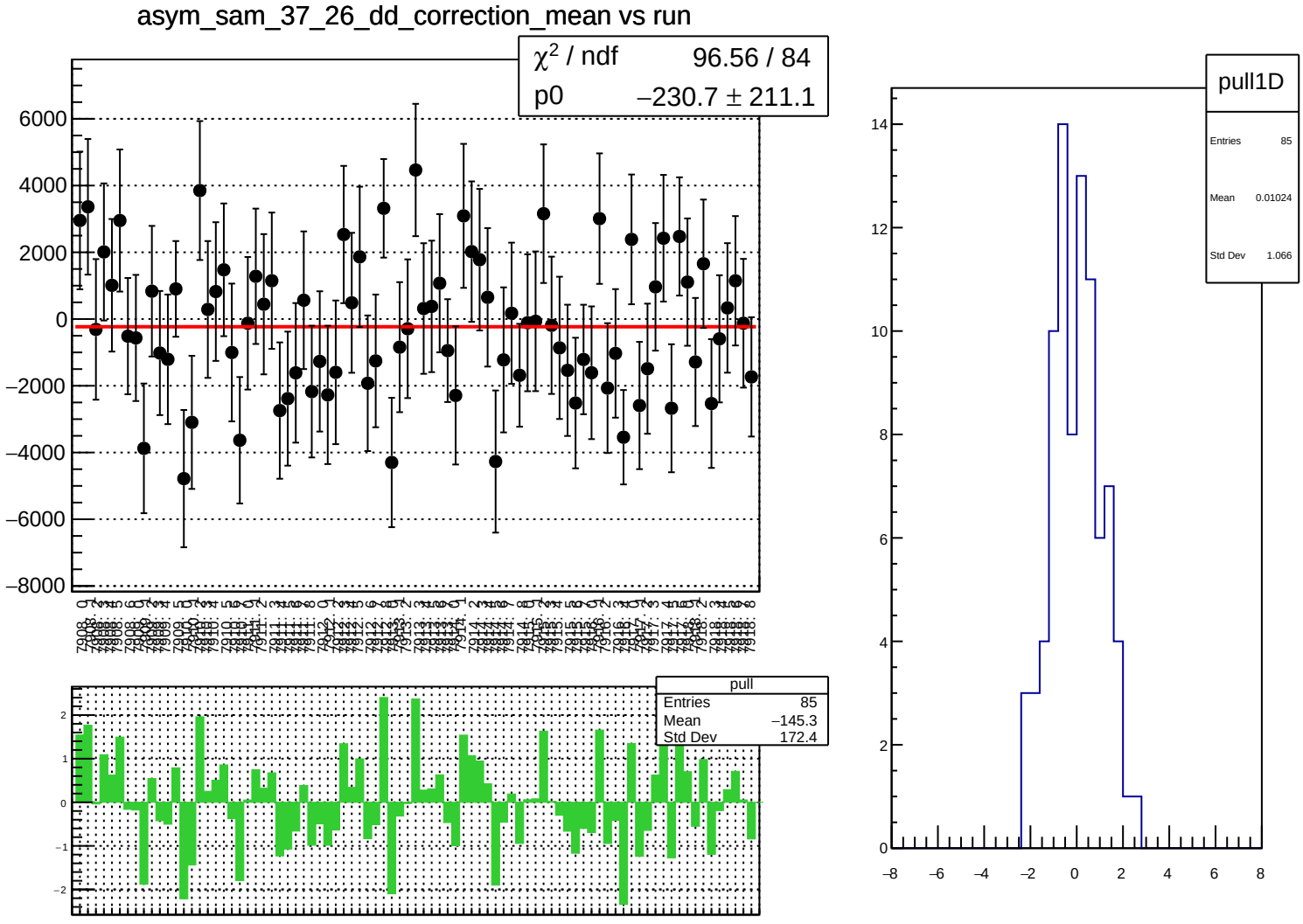
asym_sam_15_26_dd_rms vs run

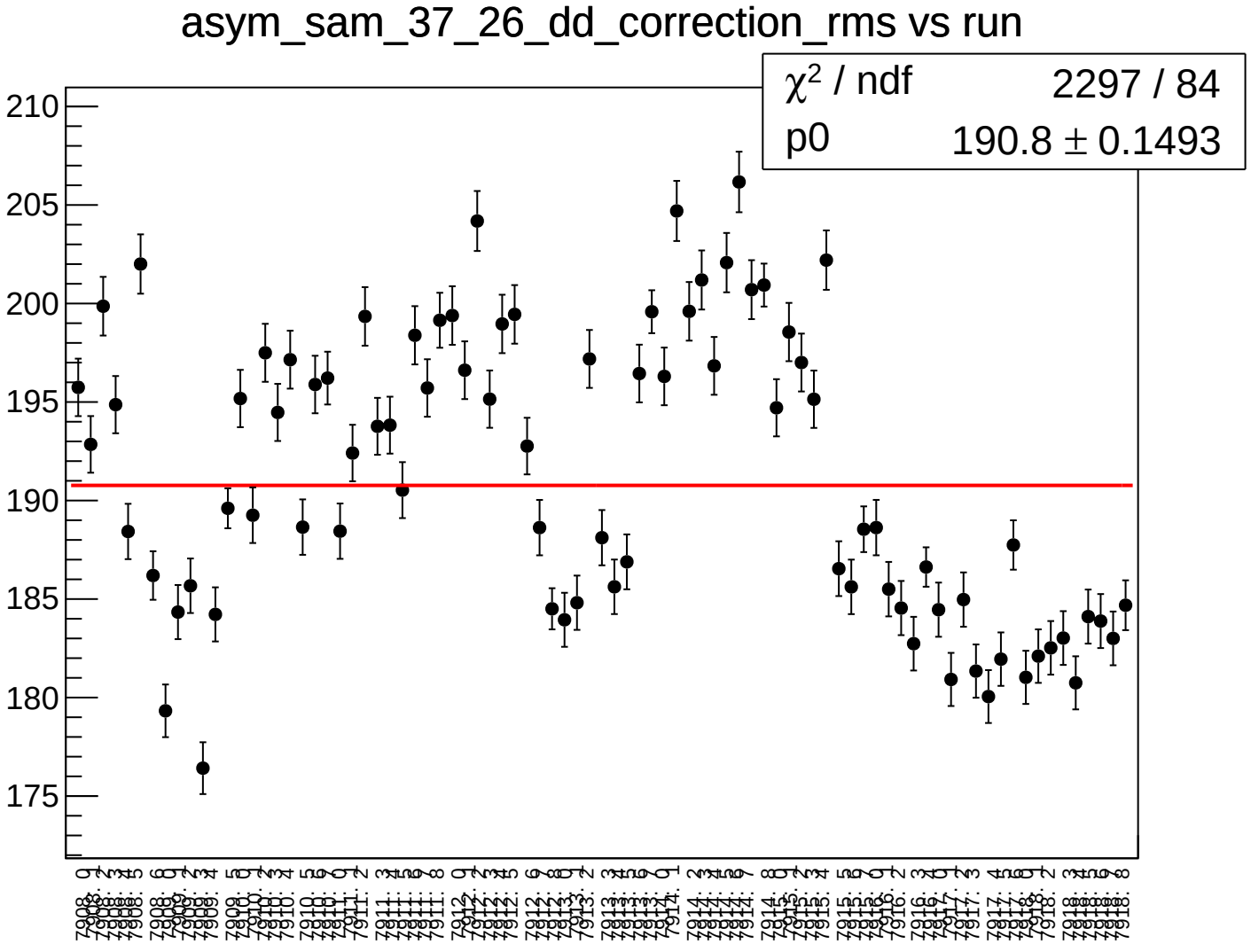


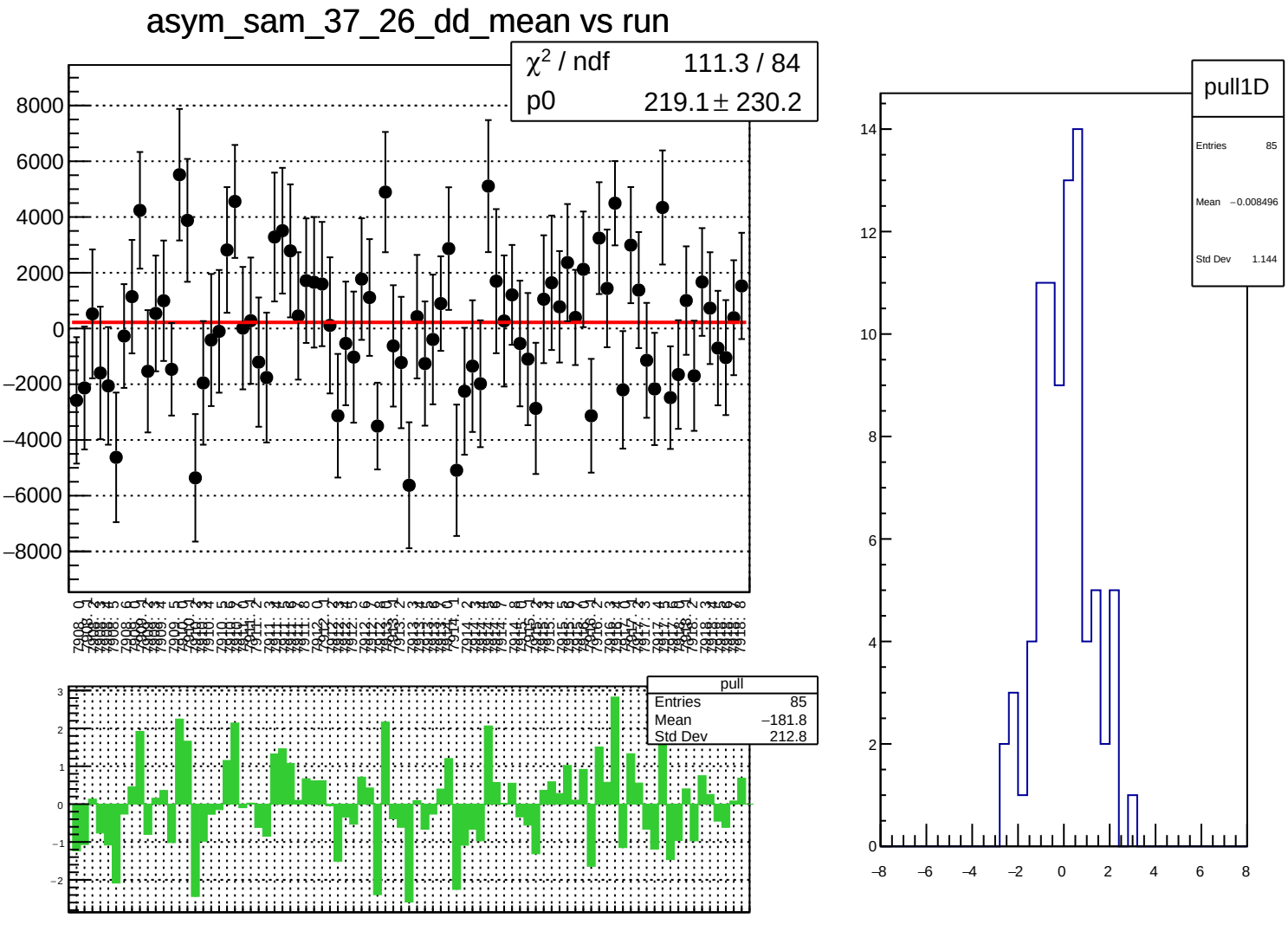

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 105.9 / 84
p0 −10.38 ± 78.48
pull
Entries 85
Mean 168.3
Std Dev 36.99
pull1D
Entries 85
Mean 0.001629
Std Dev 1.116

dit_asym_sam_37_26_dd_rms vs run

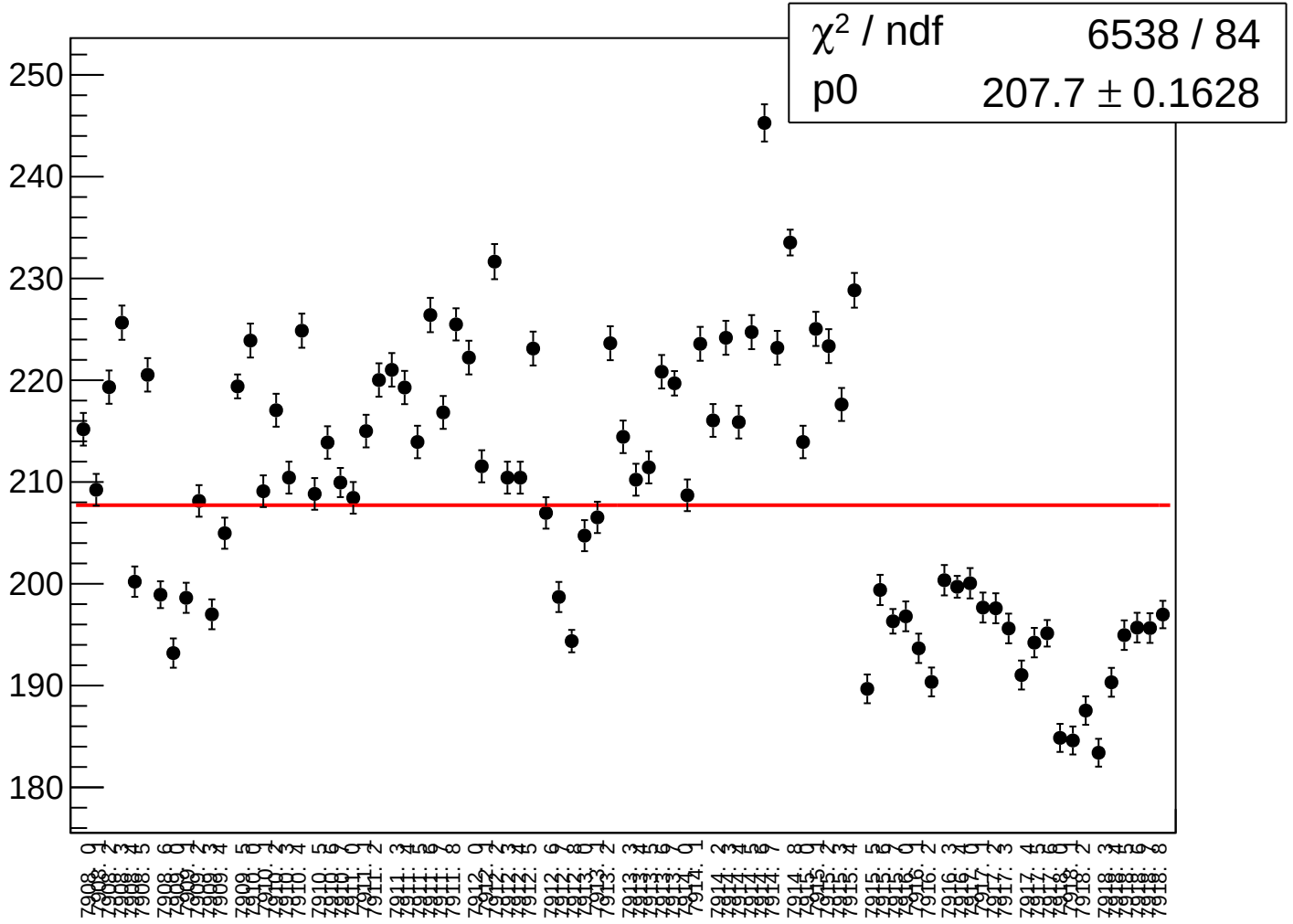


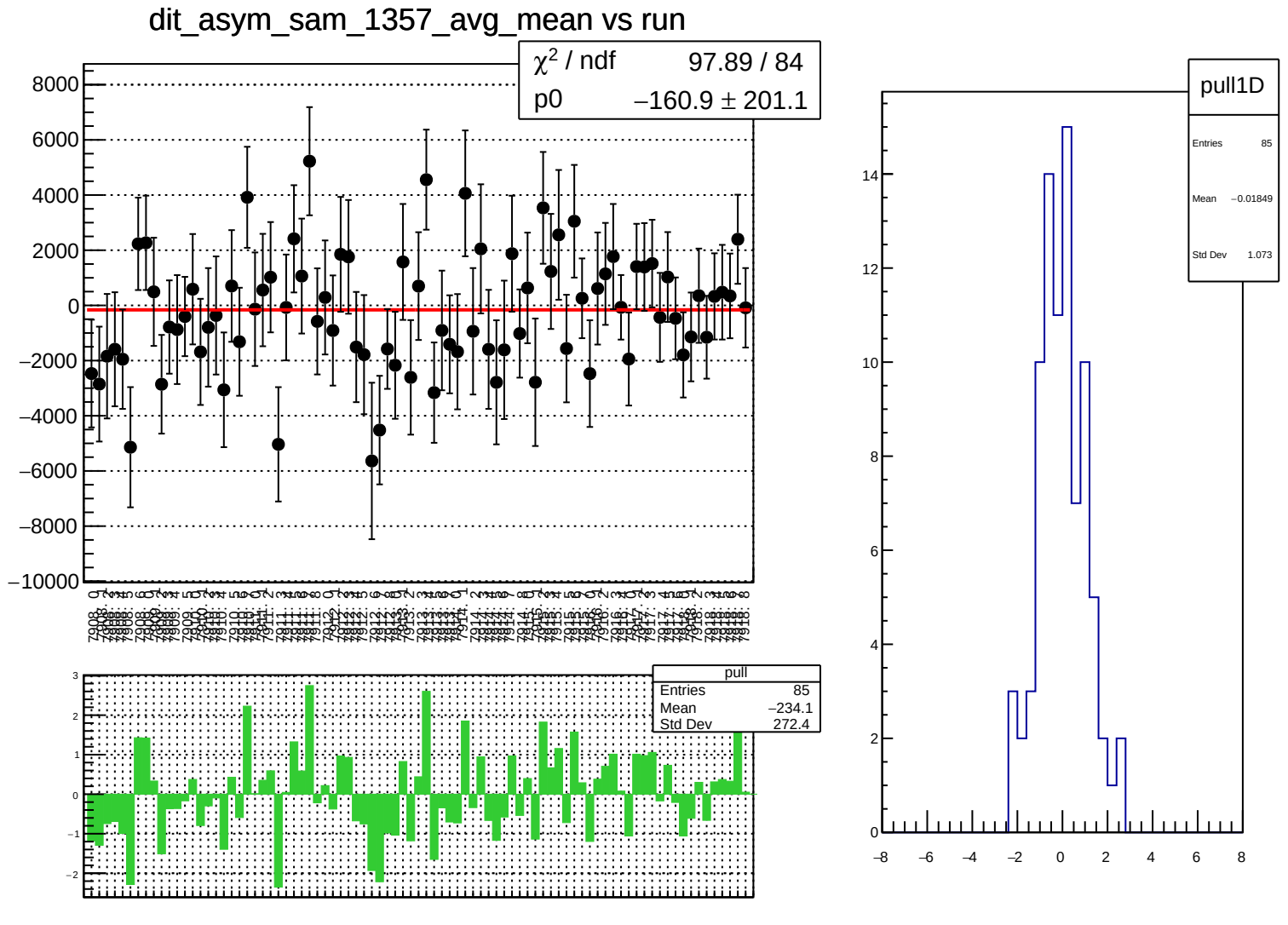

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 96.56 / 84
p0 −230.7 ± 211.1
pull
Entries 85
Mean −145.3
Std Dev 172.4
pull1D
Entries 85
Mean 0.01024
Std Dev 1.066


asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 2297 / 84
p0 190.8 ± 0.1493
210
205
200
195
190
185
180
175

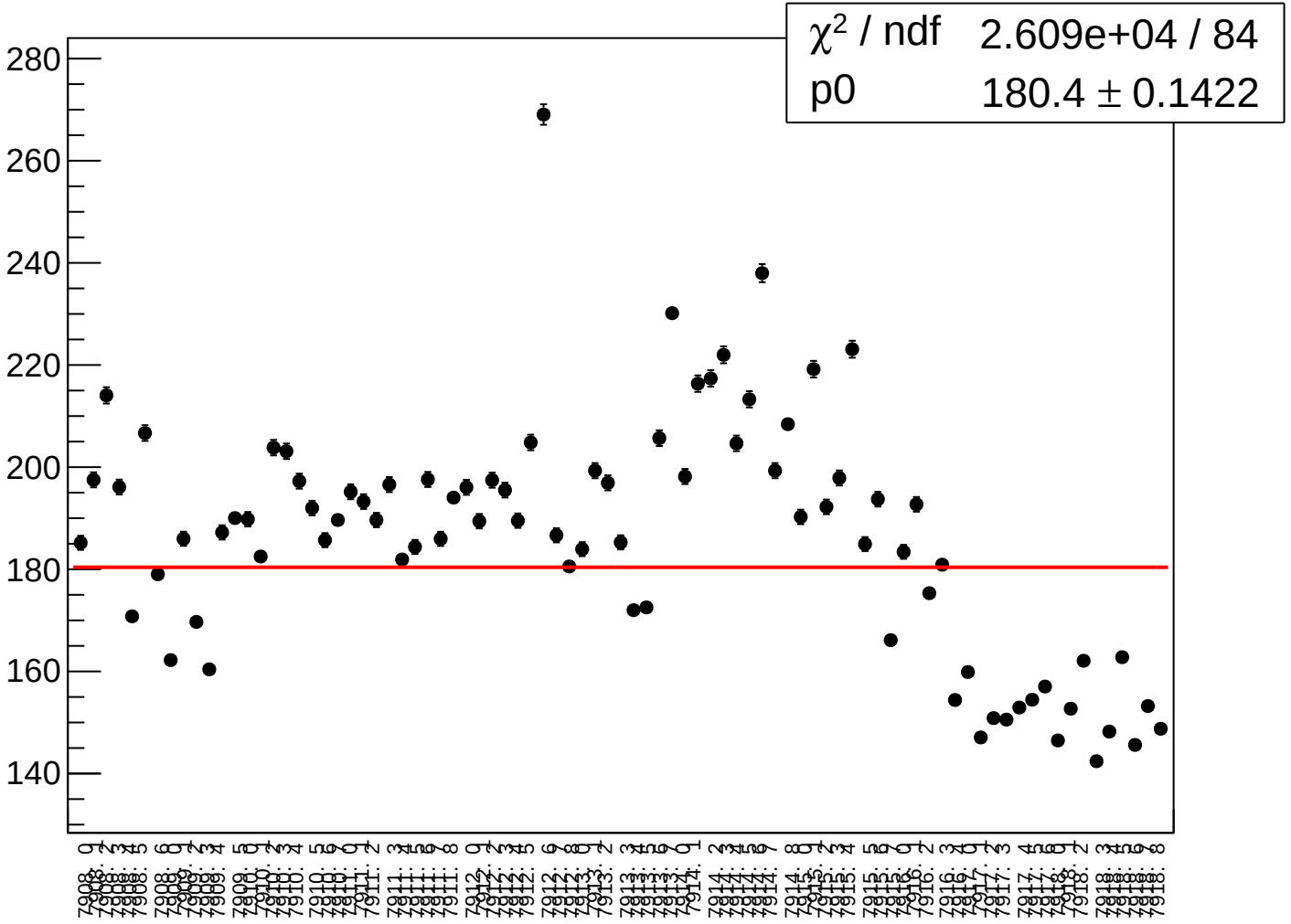

asym_sam_37_26_dd_mean vs run
χ² / ndf 111.3 / 84
p0 219.1 ± 230.2
pull
Entries 85
Mean −181.8
Std Dev 212.8
pull1D
Entries 85
Mean −0.008496
Std Dev 1.144

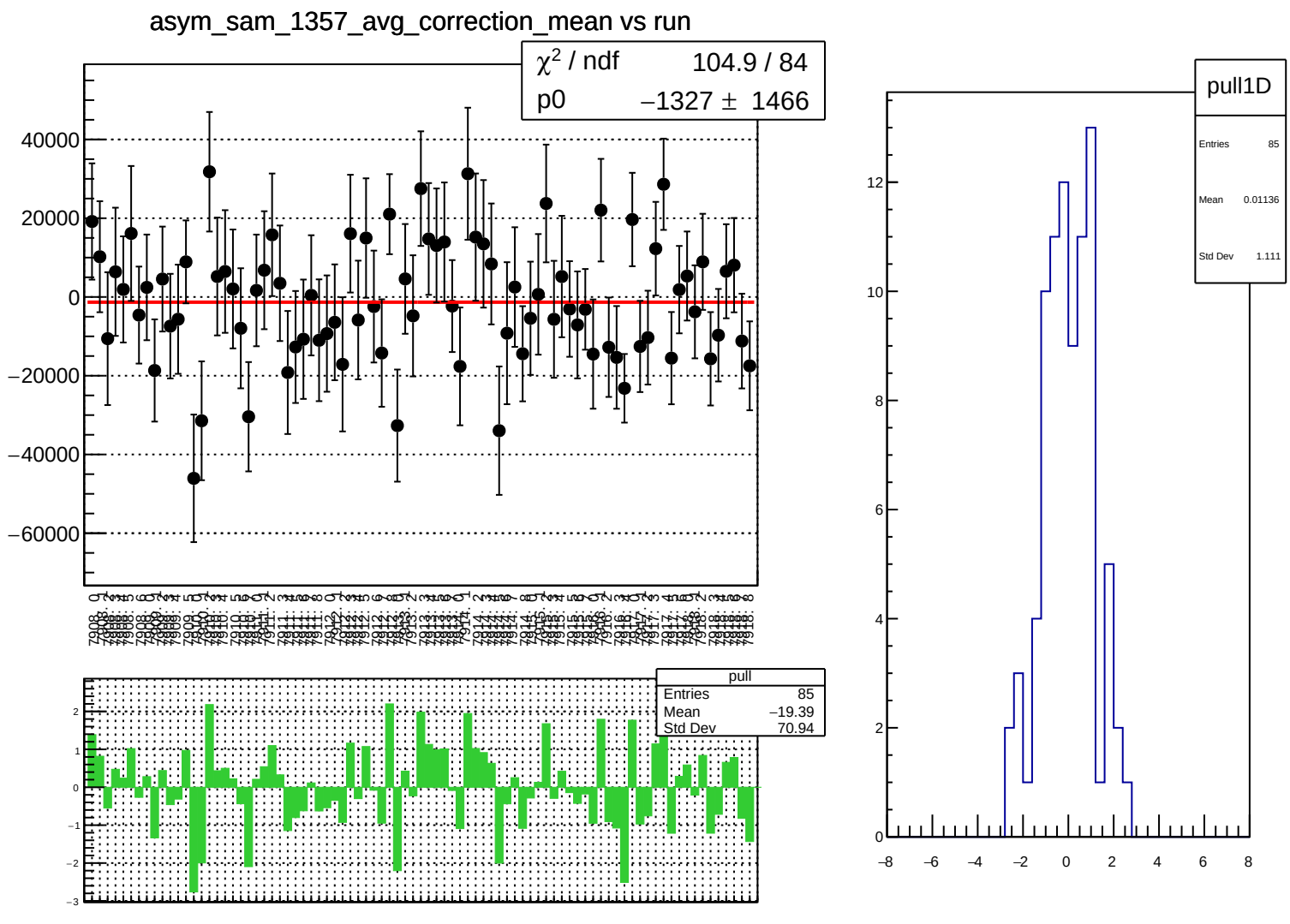
asym_sam_37_26_dd_rms vs run



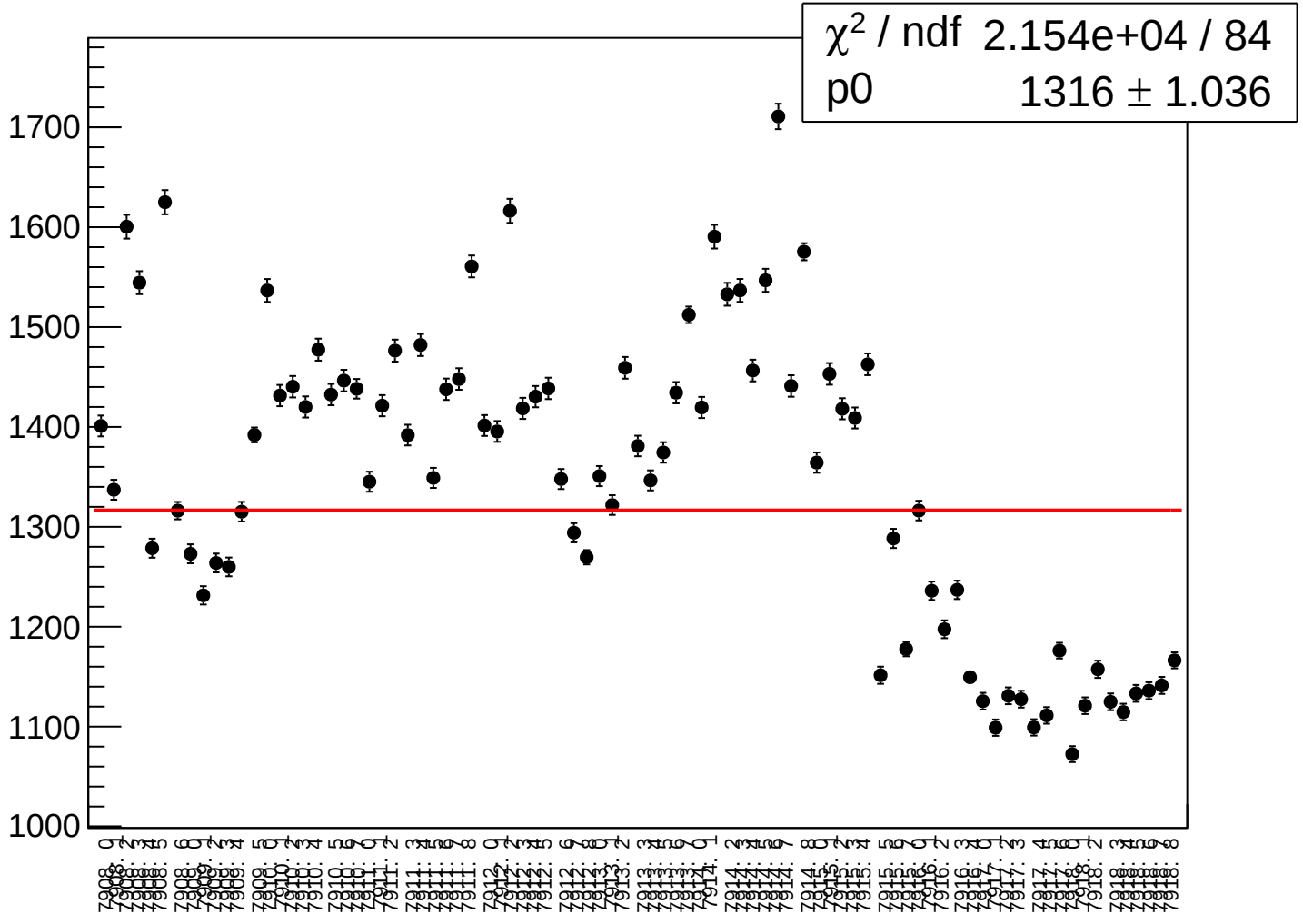

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 97.89 / 84
p0 −160.9 ± 201.1
pull
Entries 85
Mean −234.1
Std Dev 272.4
pull1D
Entries 85
Mean −0.01849
Std Dev 1.073

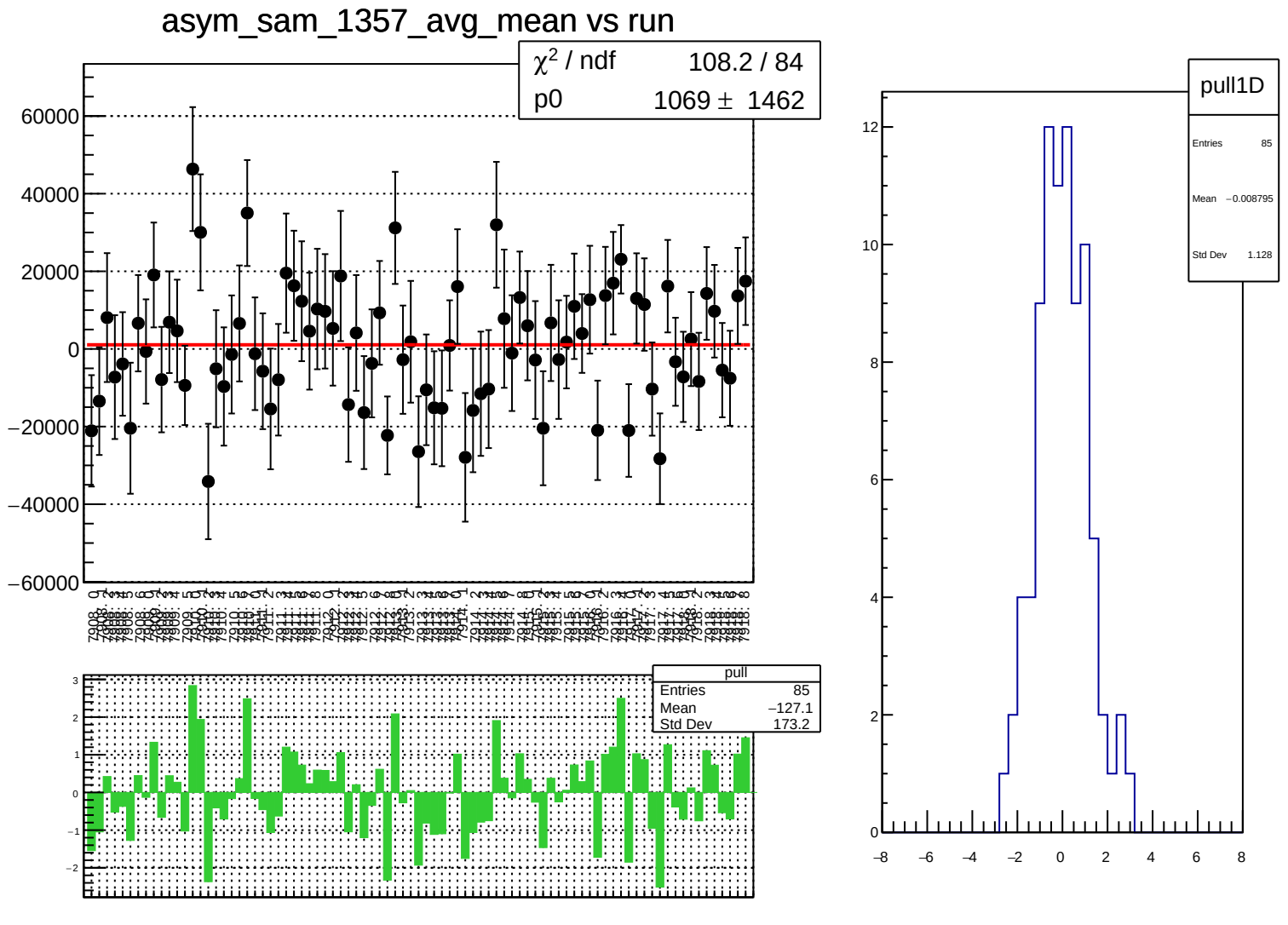
dit_asym_sam_1357_avg_rms vs run



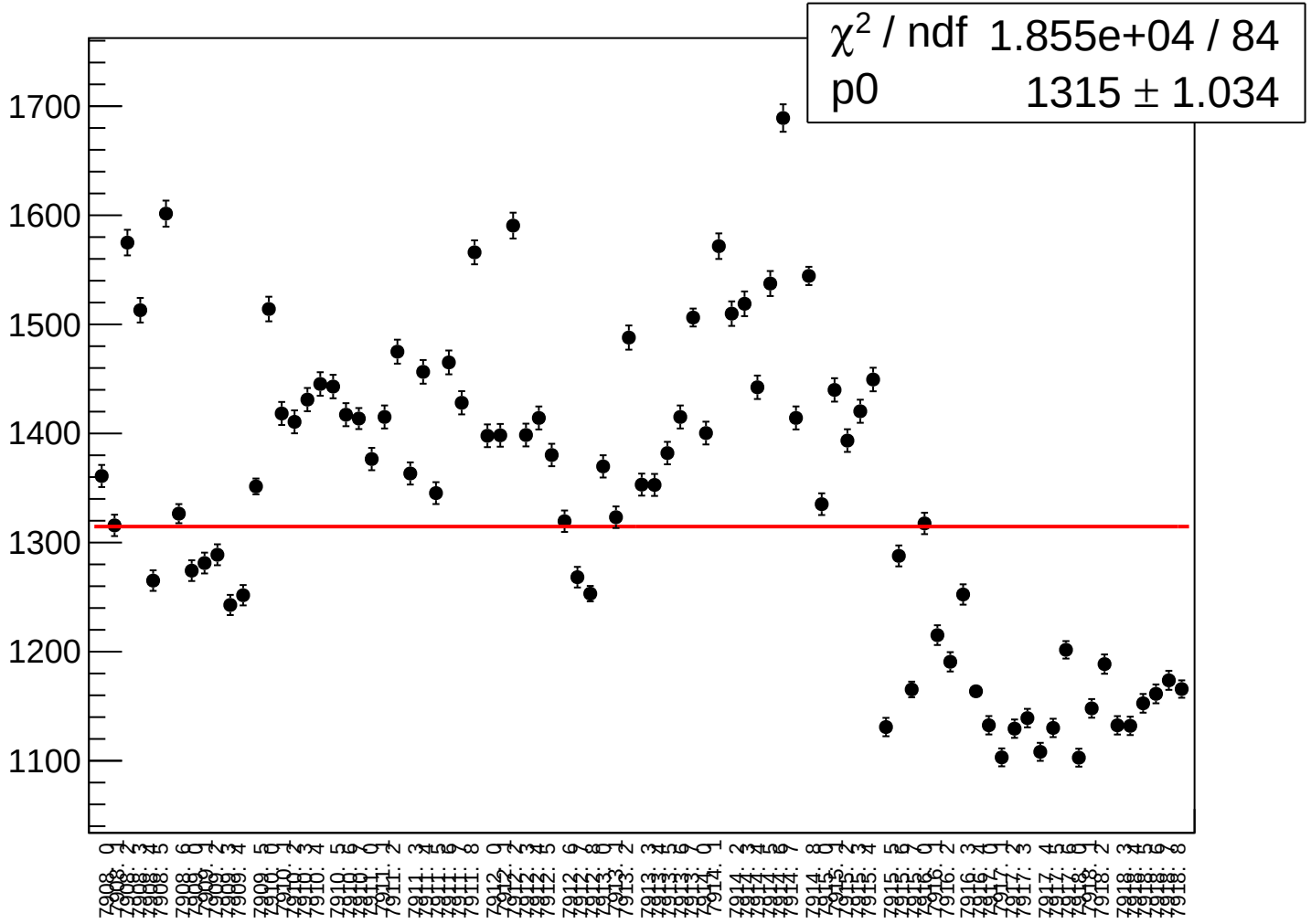

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 104.9 / 84
p0 −1327 ± 1466
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −19.39
Std Dev 70.94
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.01136
Std Dev 1.111
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

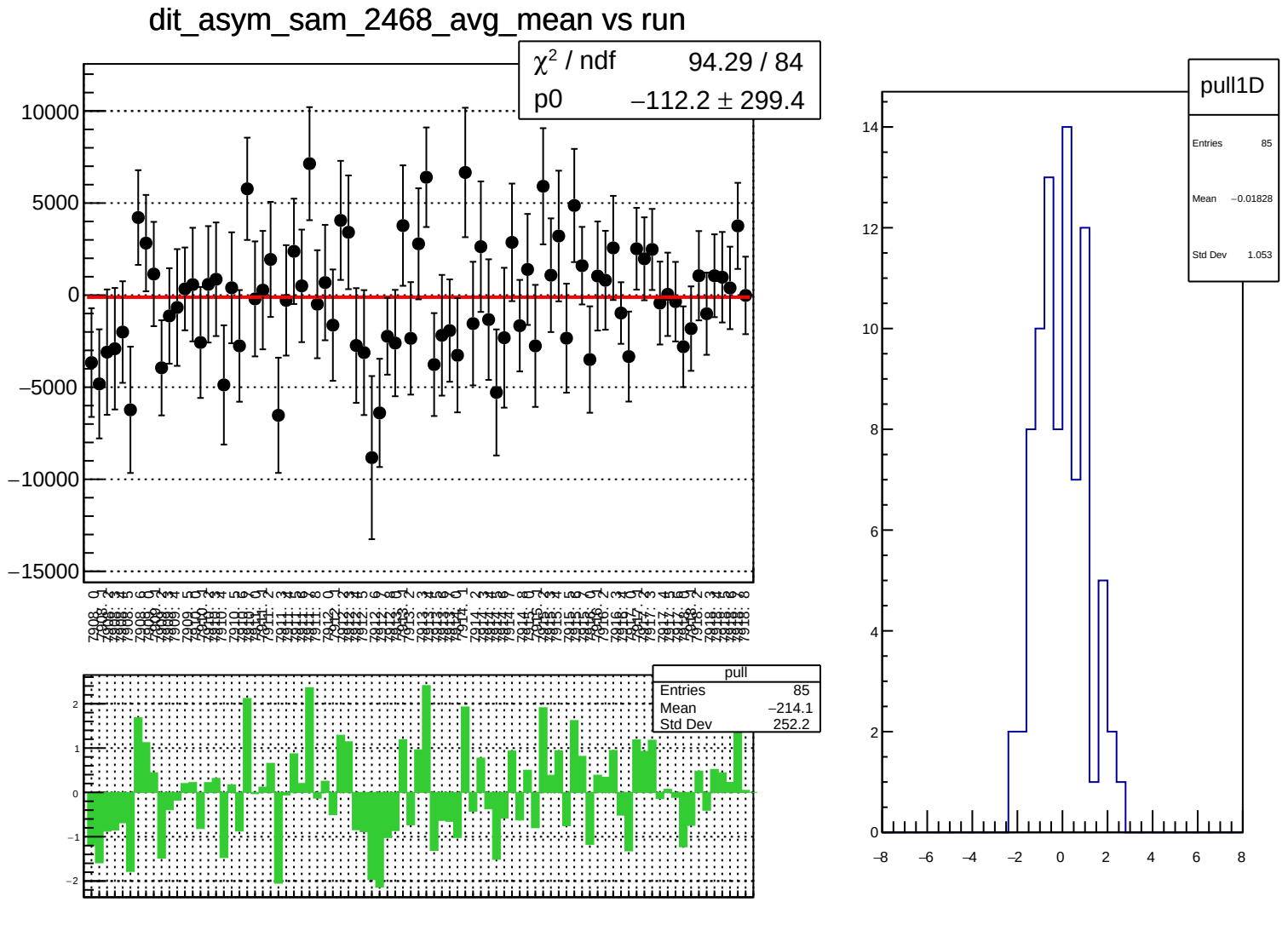
asym_sam_1357_avg_correction_rms vs run



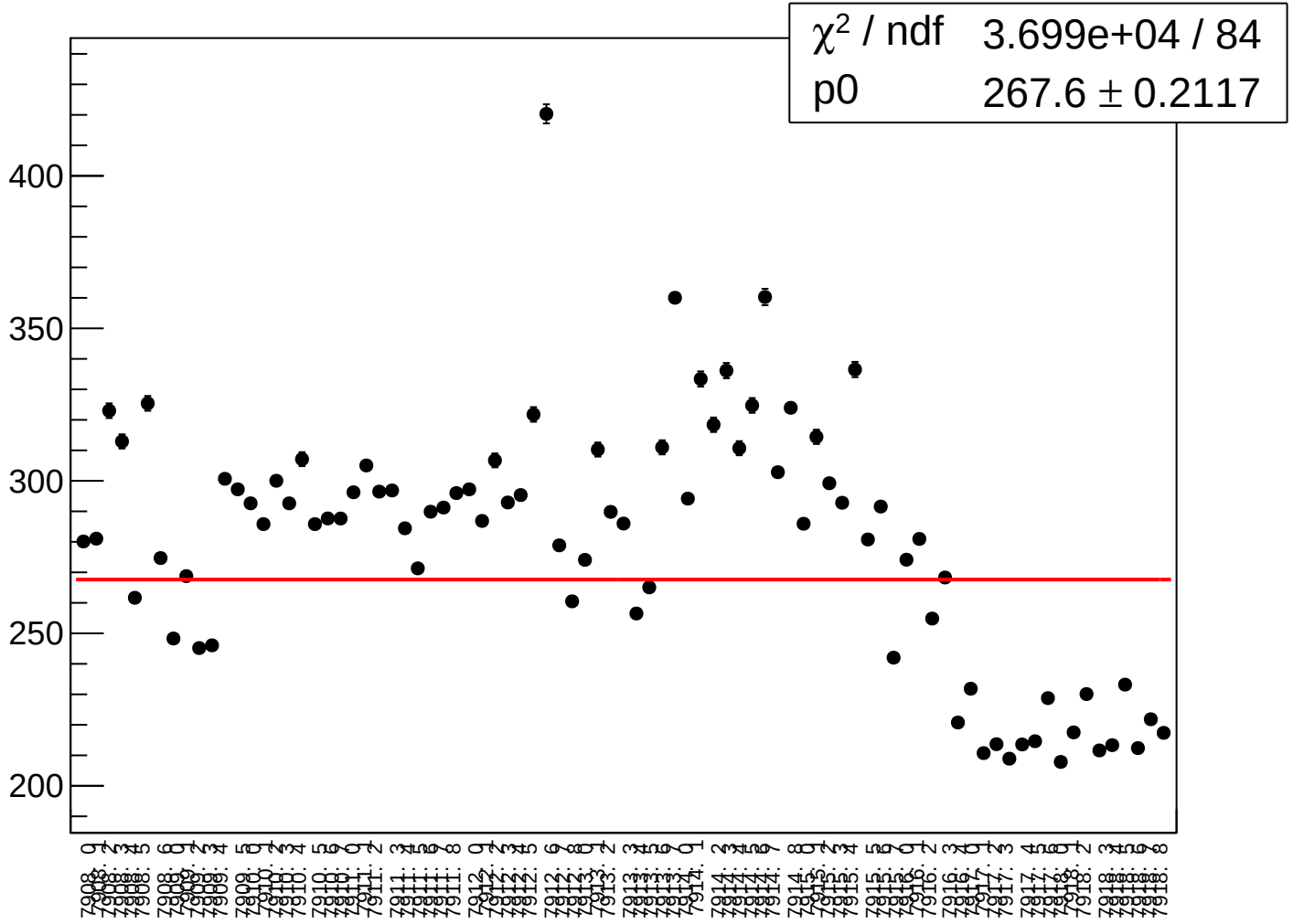

asym_sam_1357_avg_mean vs run
χ² / ndf 108.2 / 84
p0 1069 ± 1462
pull
Entries 85
Mean −127.1
Std Dev 173.2
pull1D
Entries 85
Mean −0.008795
Std Dev 1.128

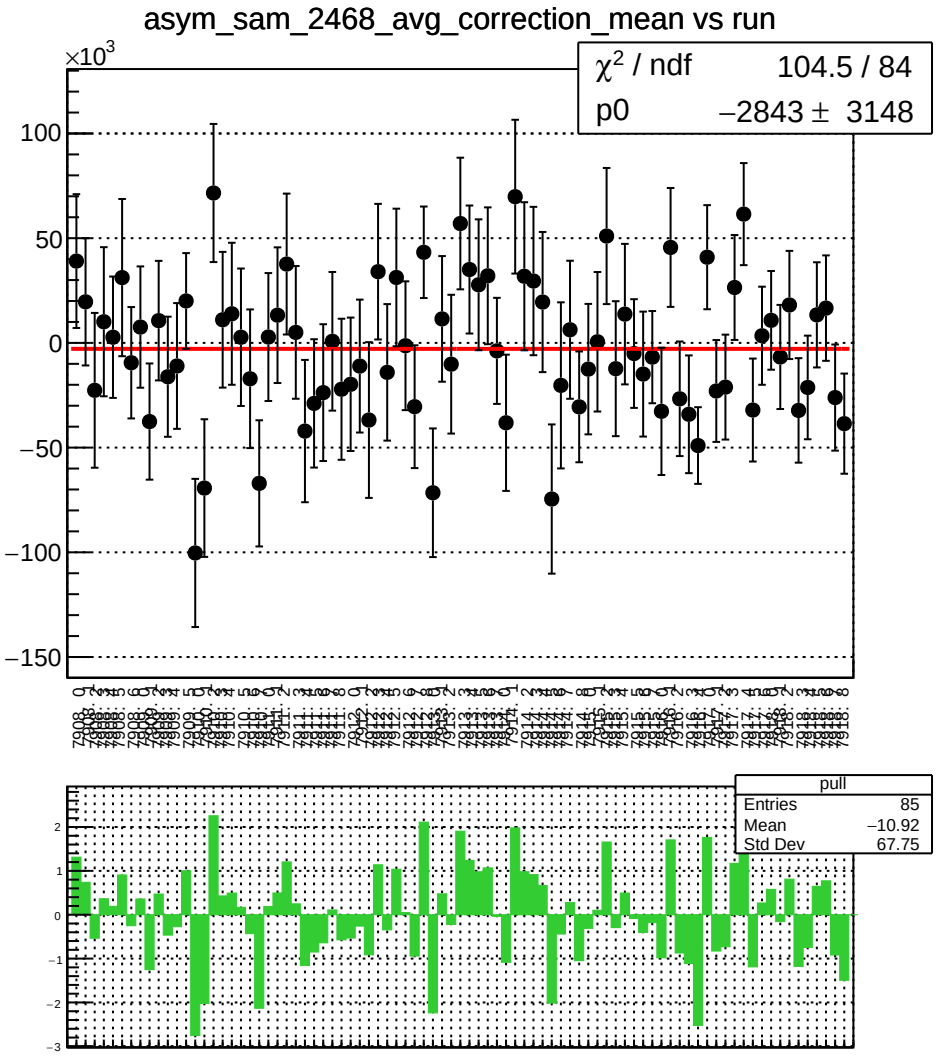
asym_sam_1357_avg_rms vs run

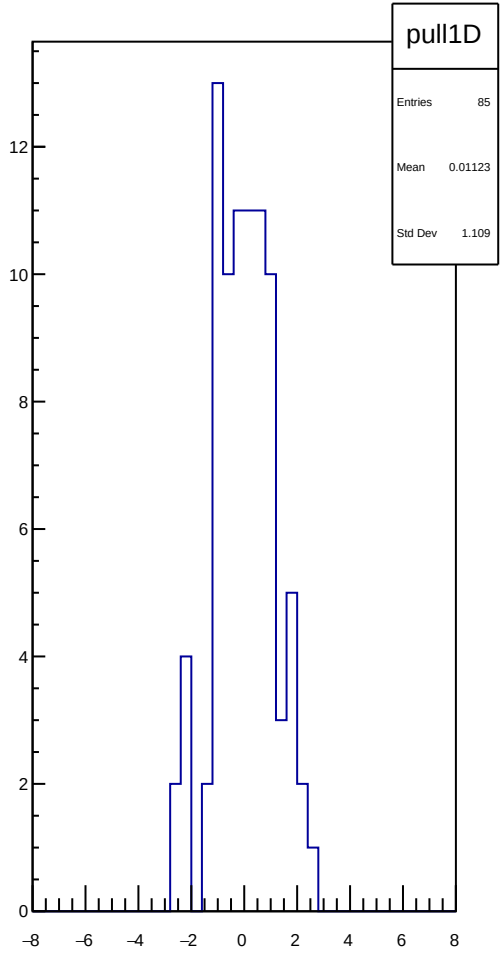



dit_asym_sam_2468_avg_mean vs run
χ² / ndf 94.29 / 84
p0 −112.2 ± 299.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −214.1
Std Dev 252.2
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01828
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

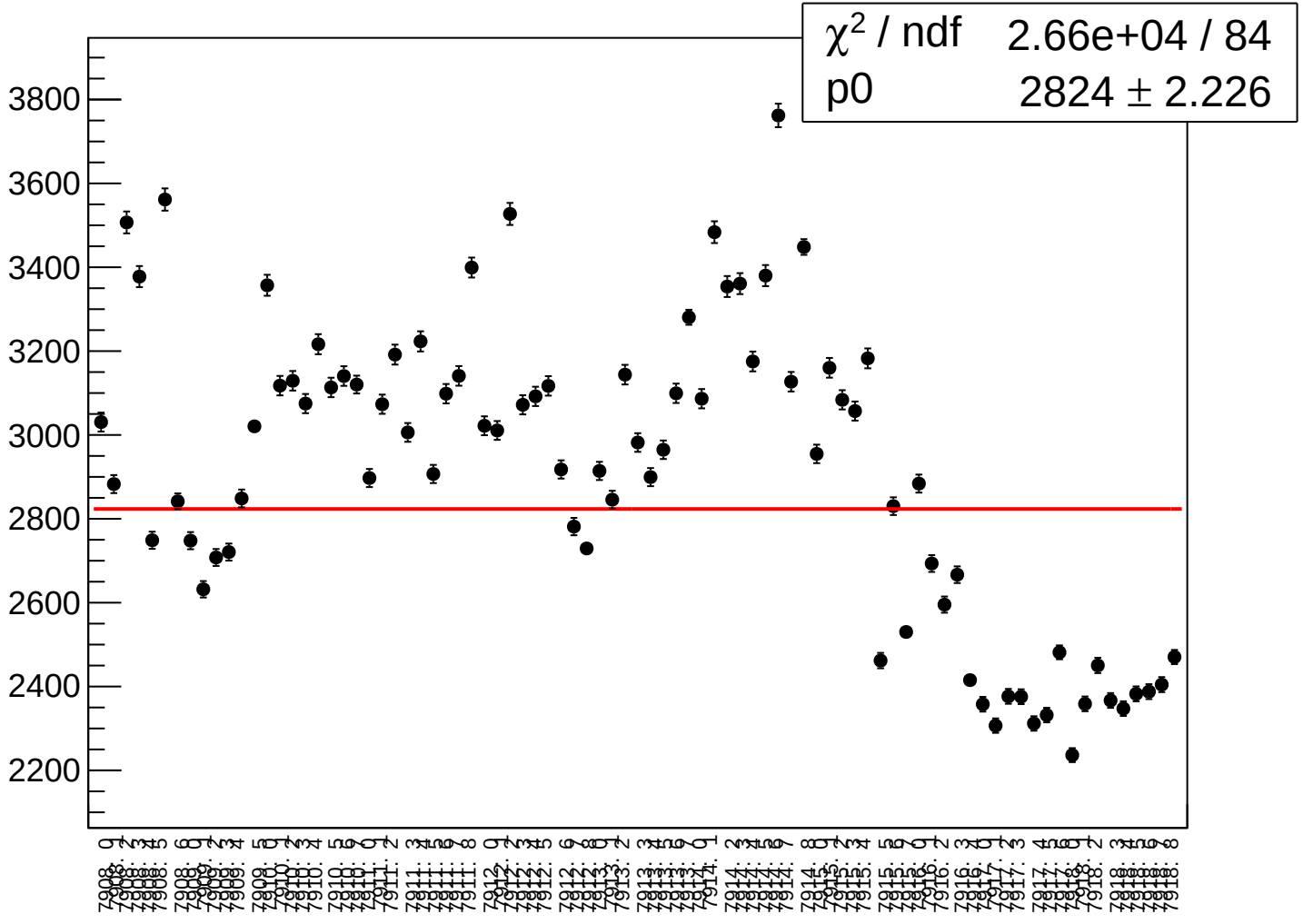
dit_asym_sam_2468_avg_rms vs run

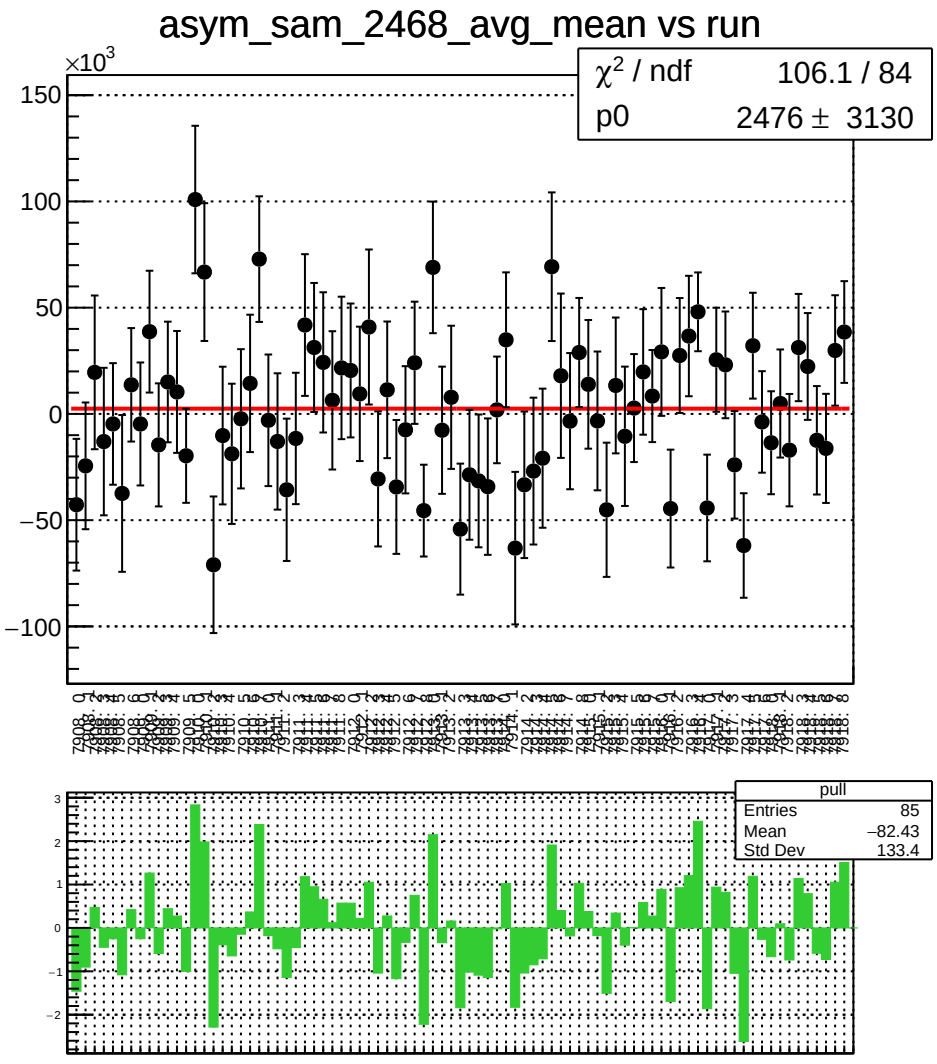


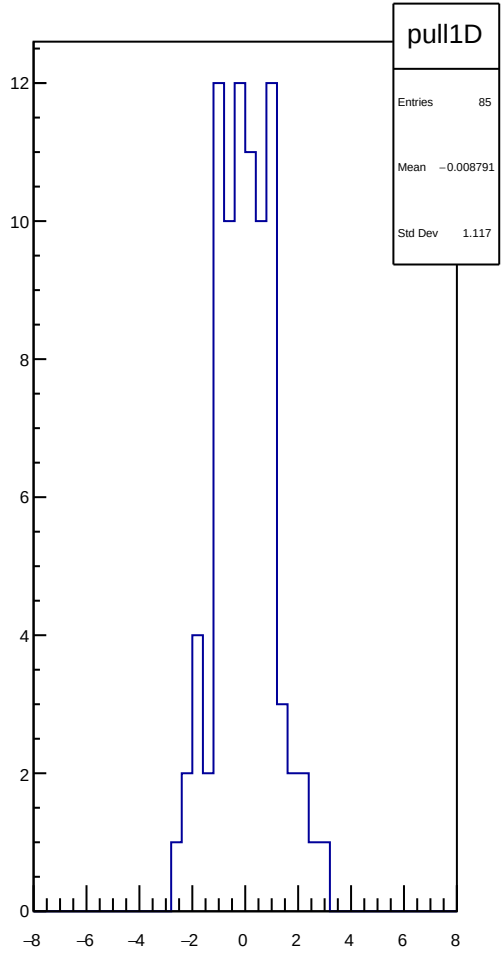

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 104.5 / 84
p0 −2843 ± 3148
pull
Entries 85
Mean −10.92
Std Dev 67.75


pull1D
Entries 85
Mean 0.01123
Std Dev 1.109

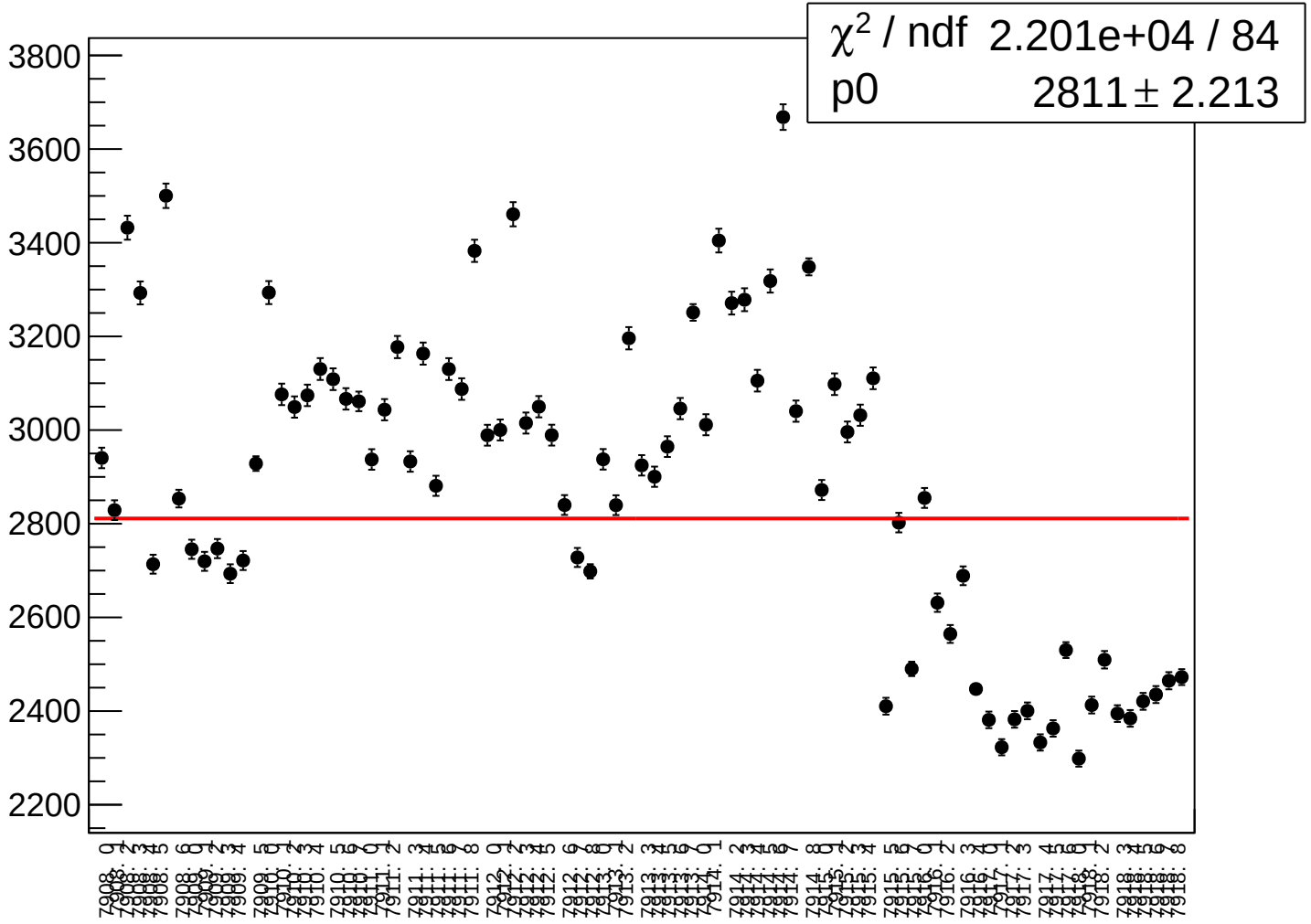
asym_sam_2468_avg_correction_rms vs run

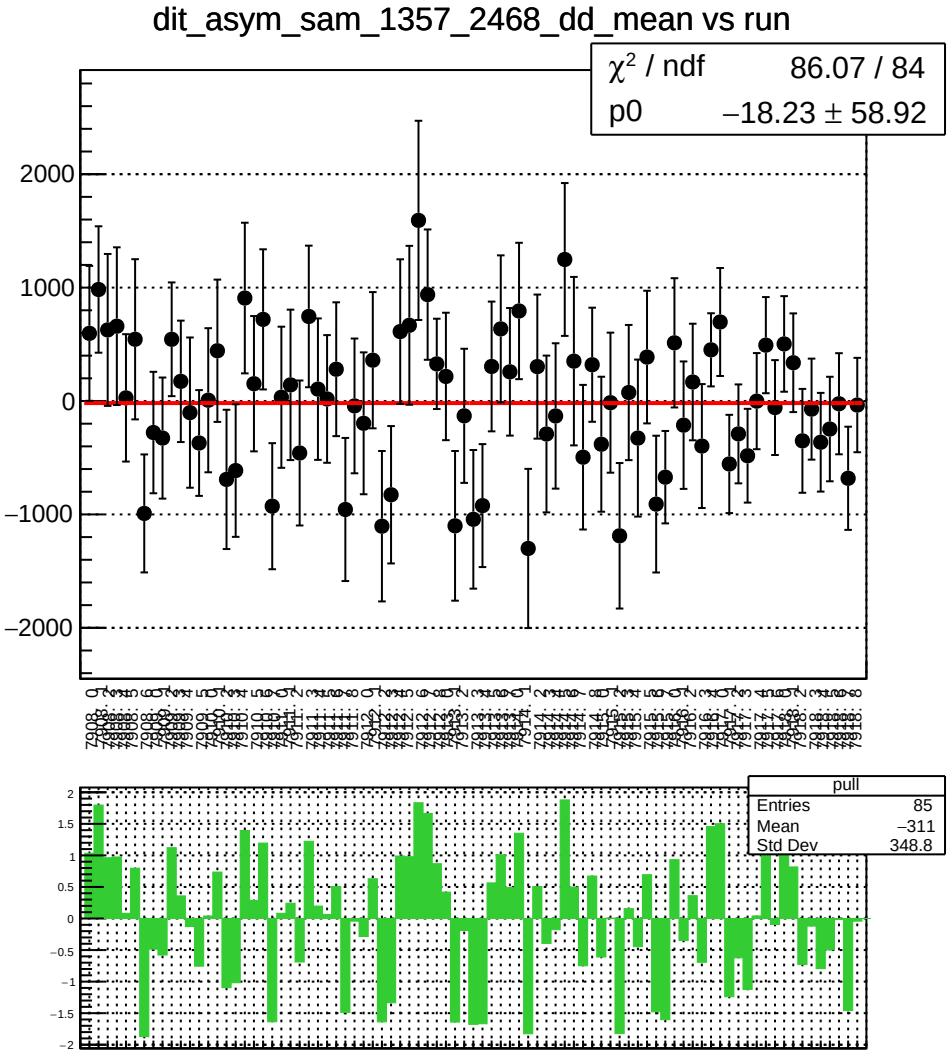


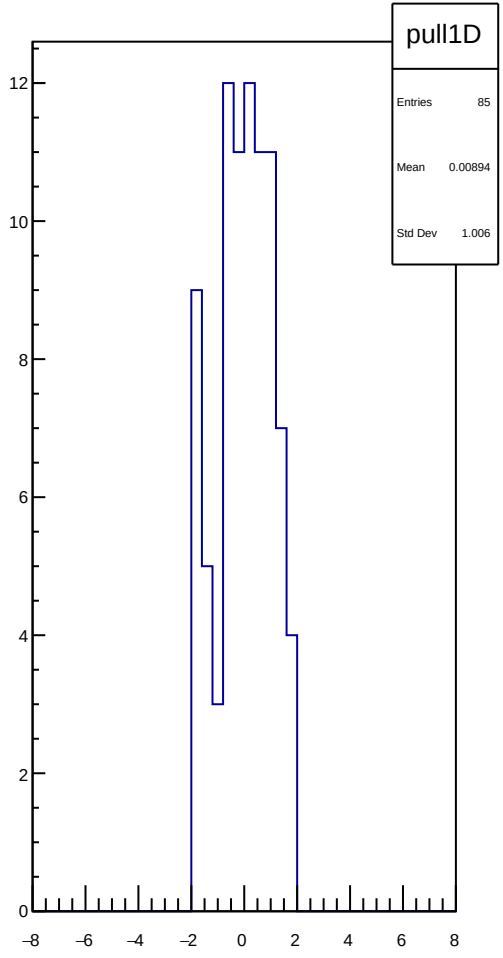

asym_sam_2468_avg_mean vs run
×10^3
χ^2 / ndf 106.1 / 84
p0 2476 ± 3130
150
100
50
0
−50
−100
pull
Entries 85
Mean −82.43
Std Dev 133.4
3
2
1
0
−1
−2


pull1D
Entries 85
Mean −0.008791
Std Dev 1.117
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

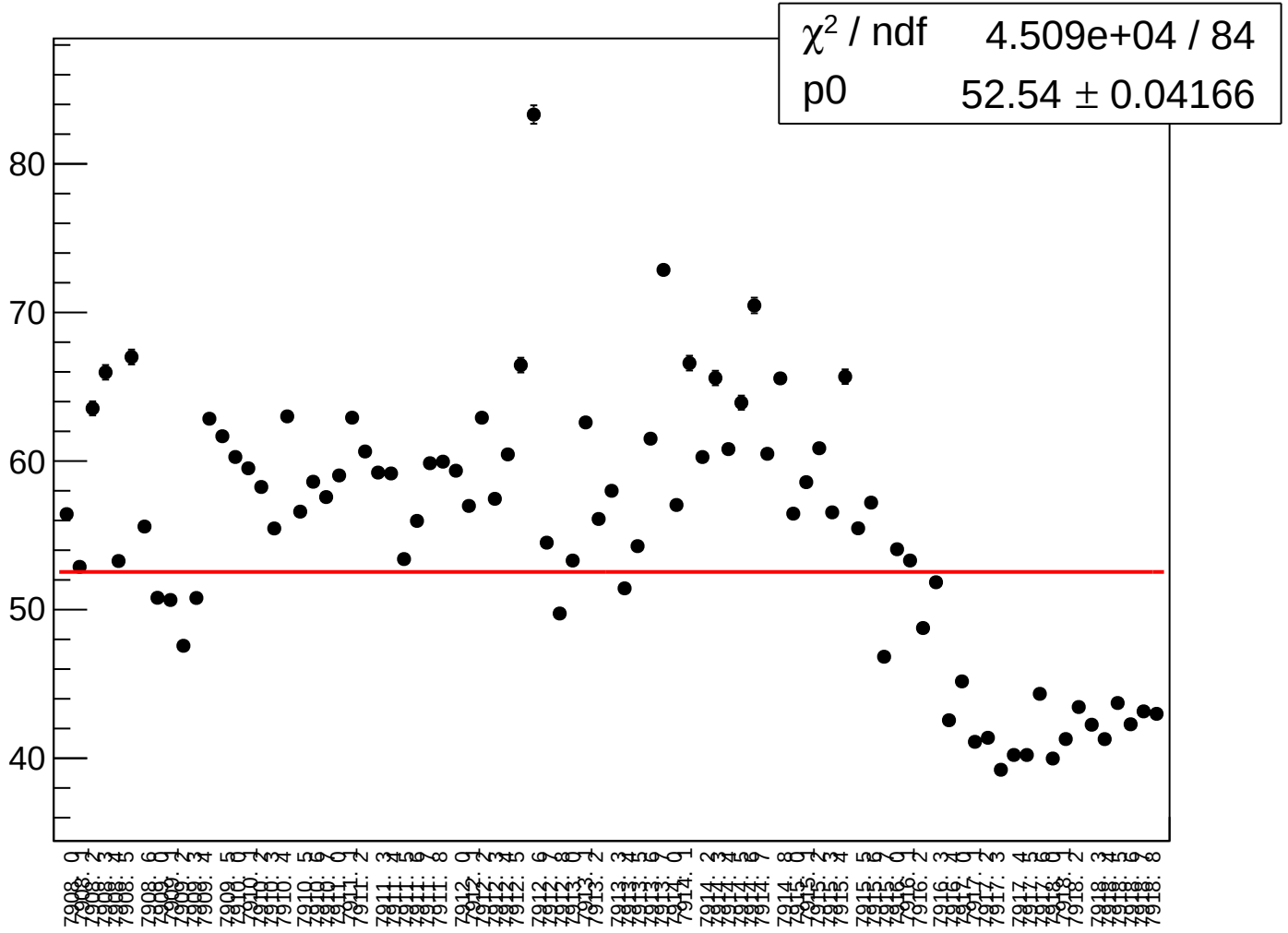
asym_sam_2468_avg_rms vs run

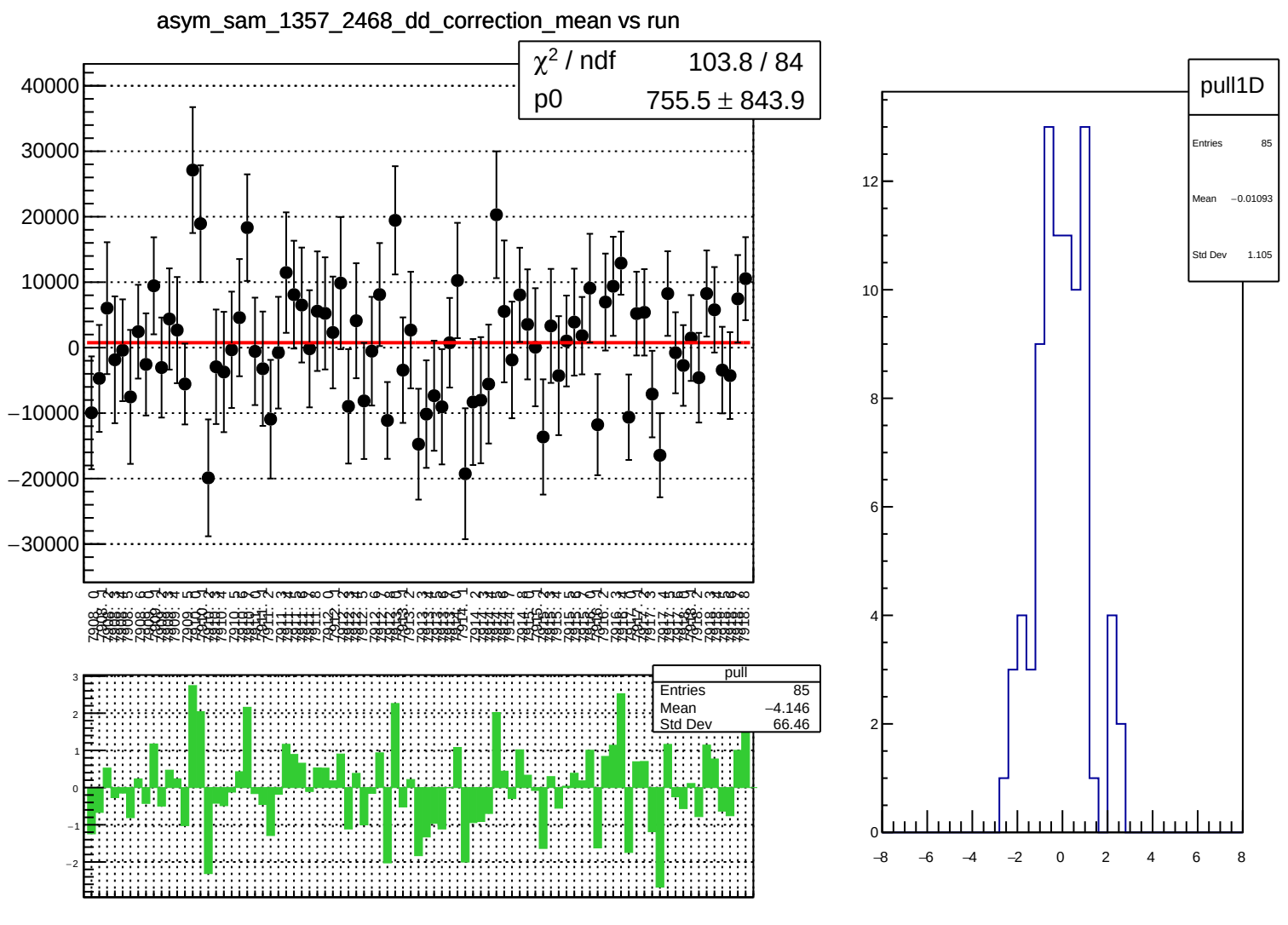


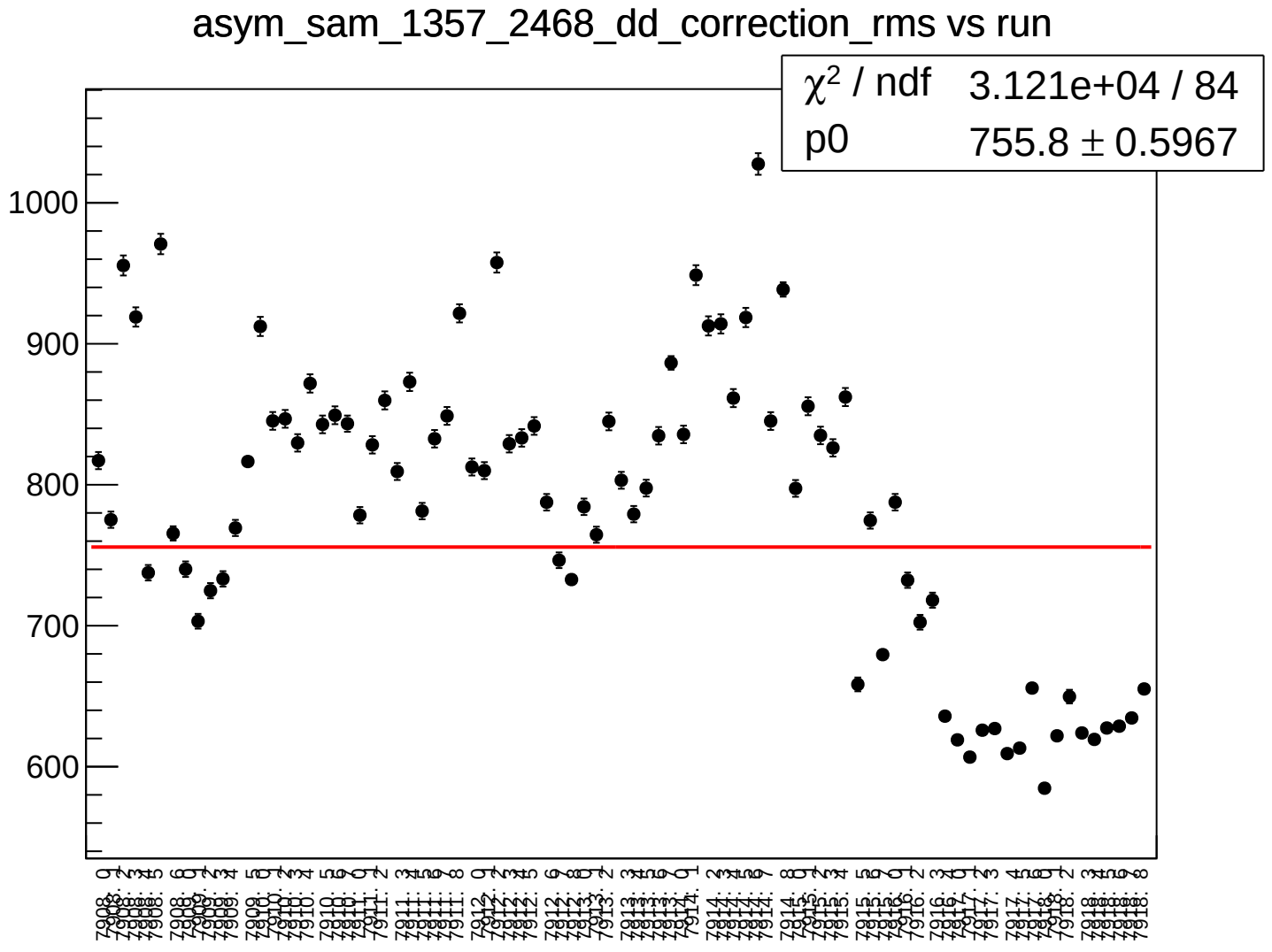

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 86.07 / 84
p0 −18.23 ± 58.92
pull
Entries 85
Mean −311
Std Dev 348.8

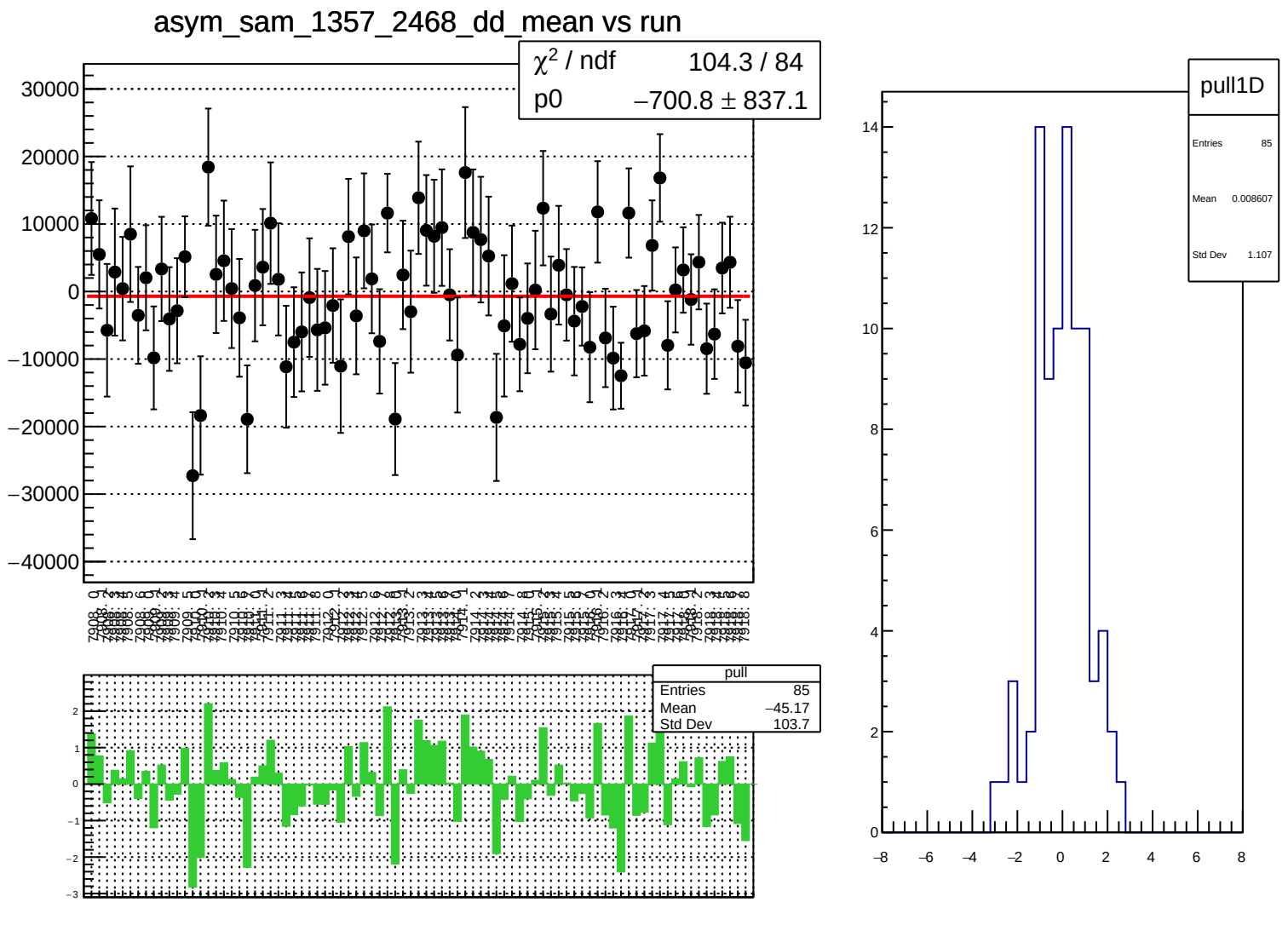

pull1D
Entries 85
Mean 0.00894
Std Dev 1.006

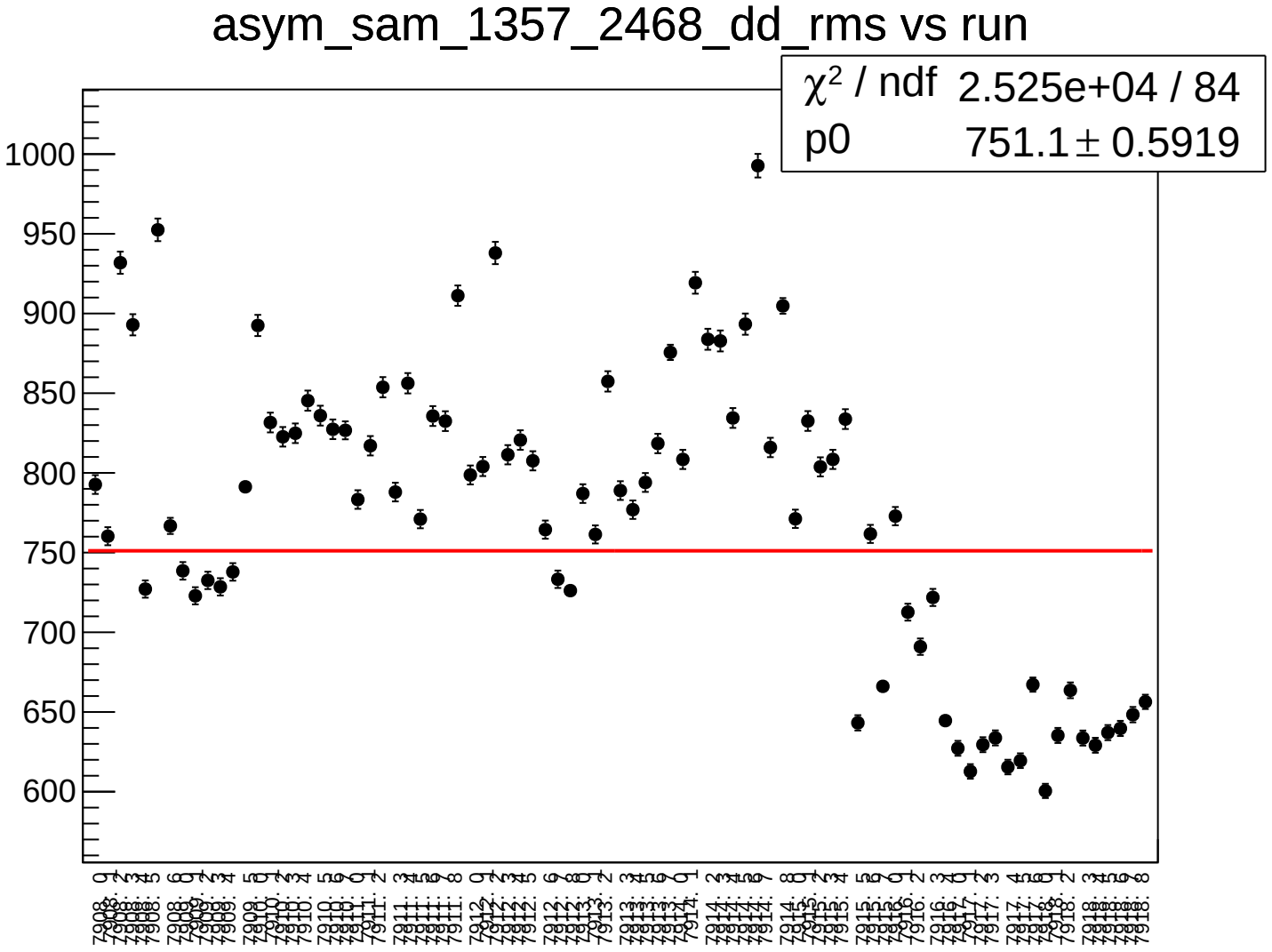
dit_asym_sam_1357_2468_dd_rms vs run

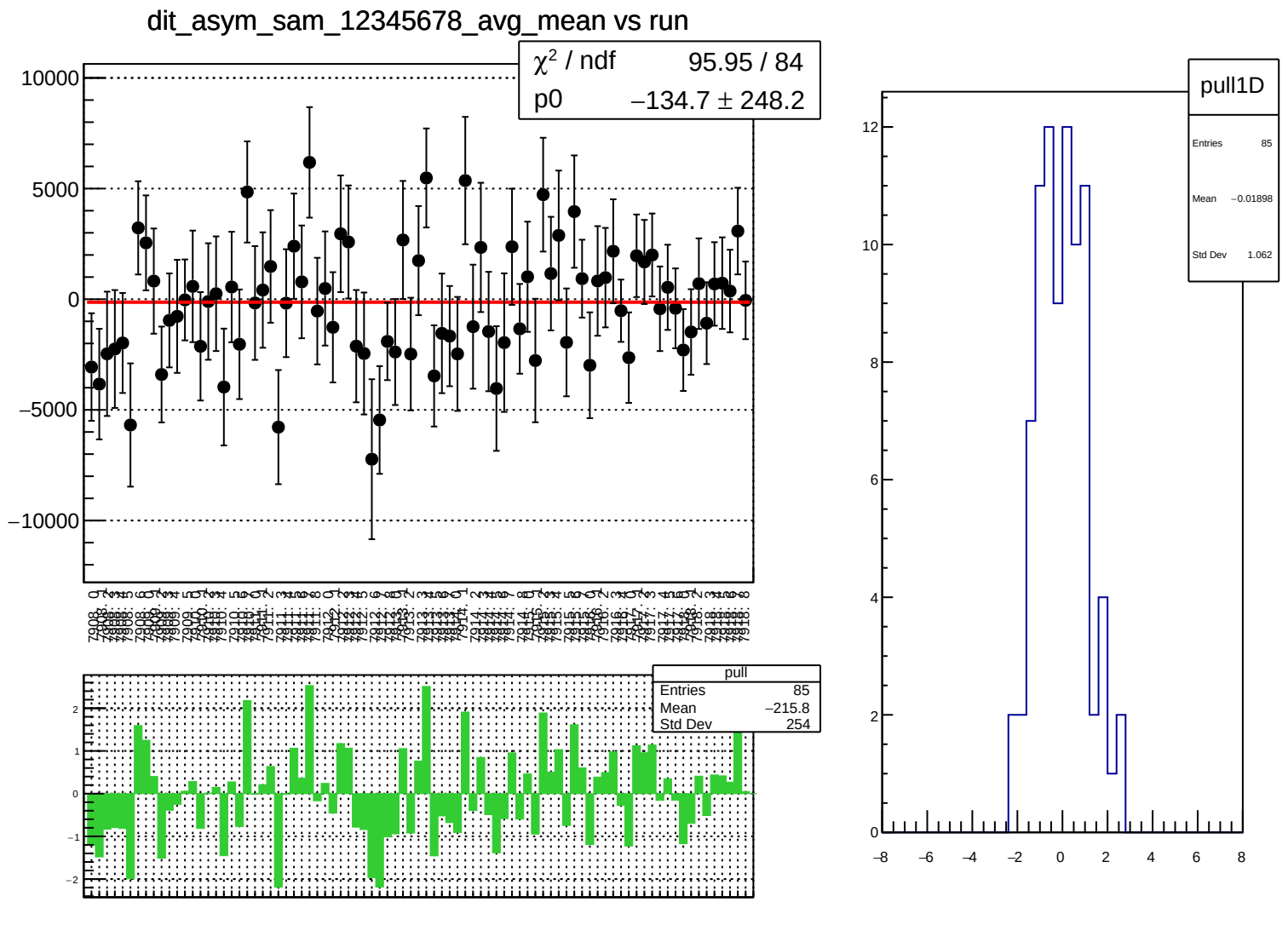



asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 103.8 / 84
p0 755.5 ± 843.9
pull
Entries 85
Mean −4.146
Std Dev 66.46
pull1D
Entries 85
Mean −0.01093
Std Dev 1.105

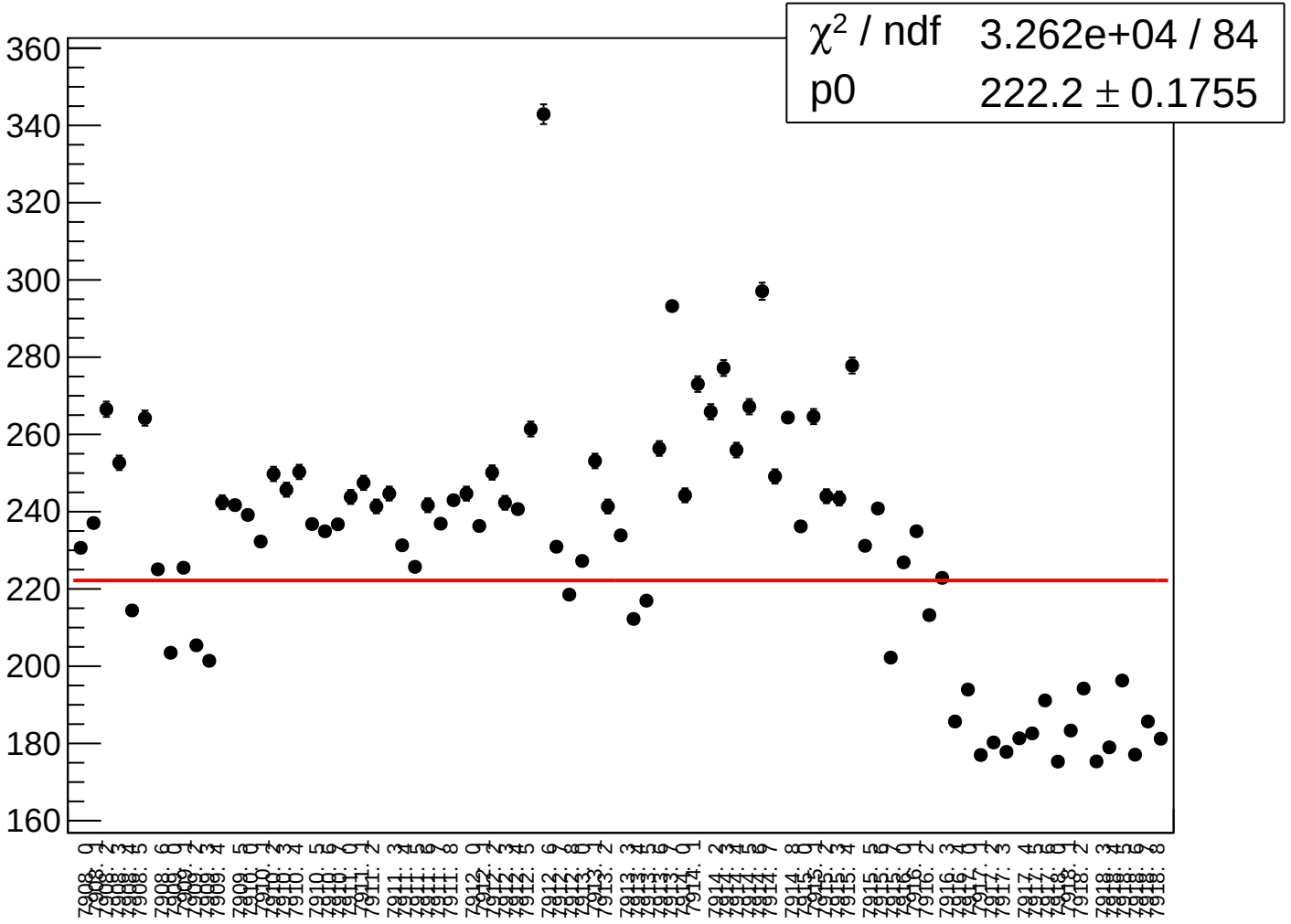

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 3.121e+04 / 84
p0 755.8 ± 0.5967
1000
900
800
700
600

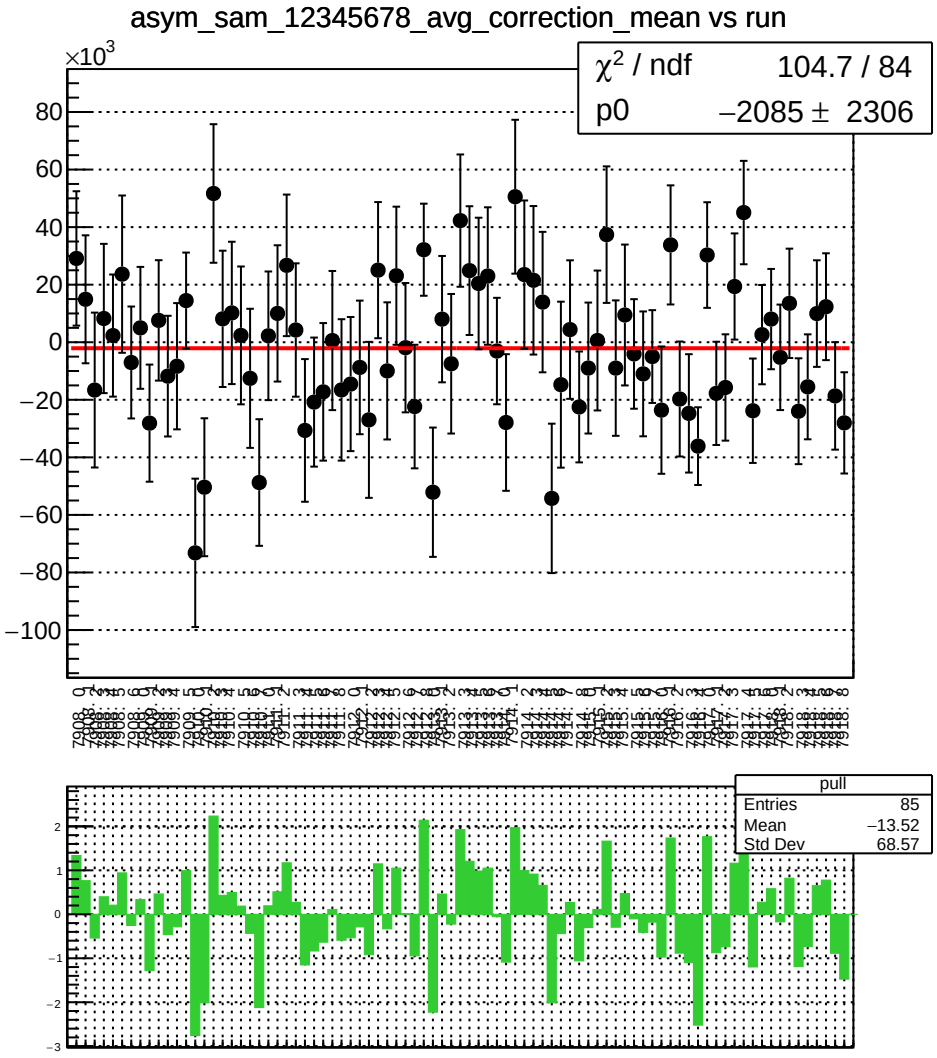

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 104.3 / 84
p0 −700.8 ± 837.1
pull
Entries 85
Mean −45.17
Std Dev 103.7
pull1D
Entries 85
Mean 0.008607
Std Dev 1.107

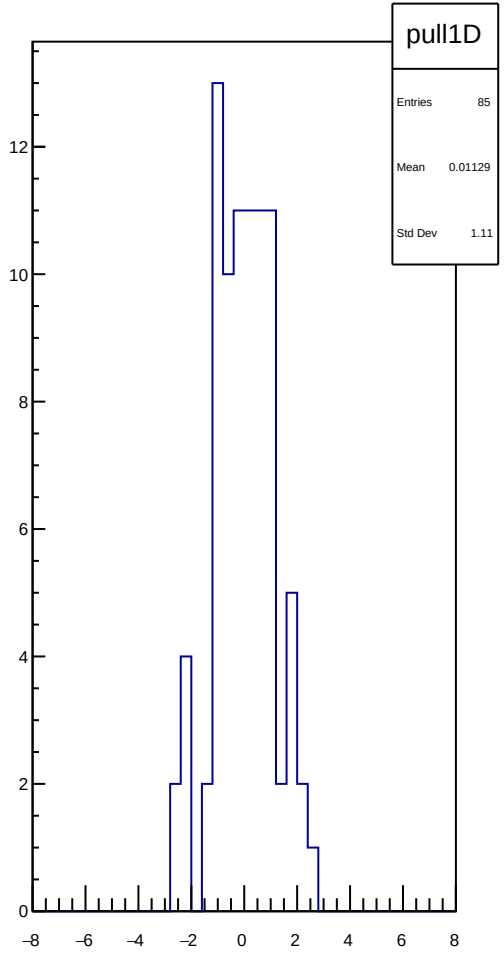

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.525e+04 / 84
p0 751.1 ± 0.5919
1000
950
900
850
800
750
700
650
600

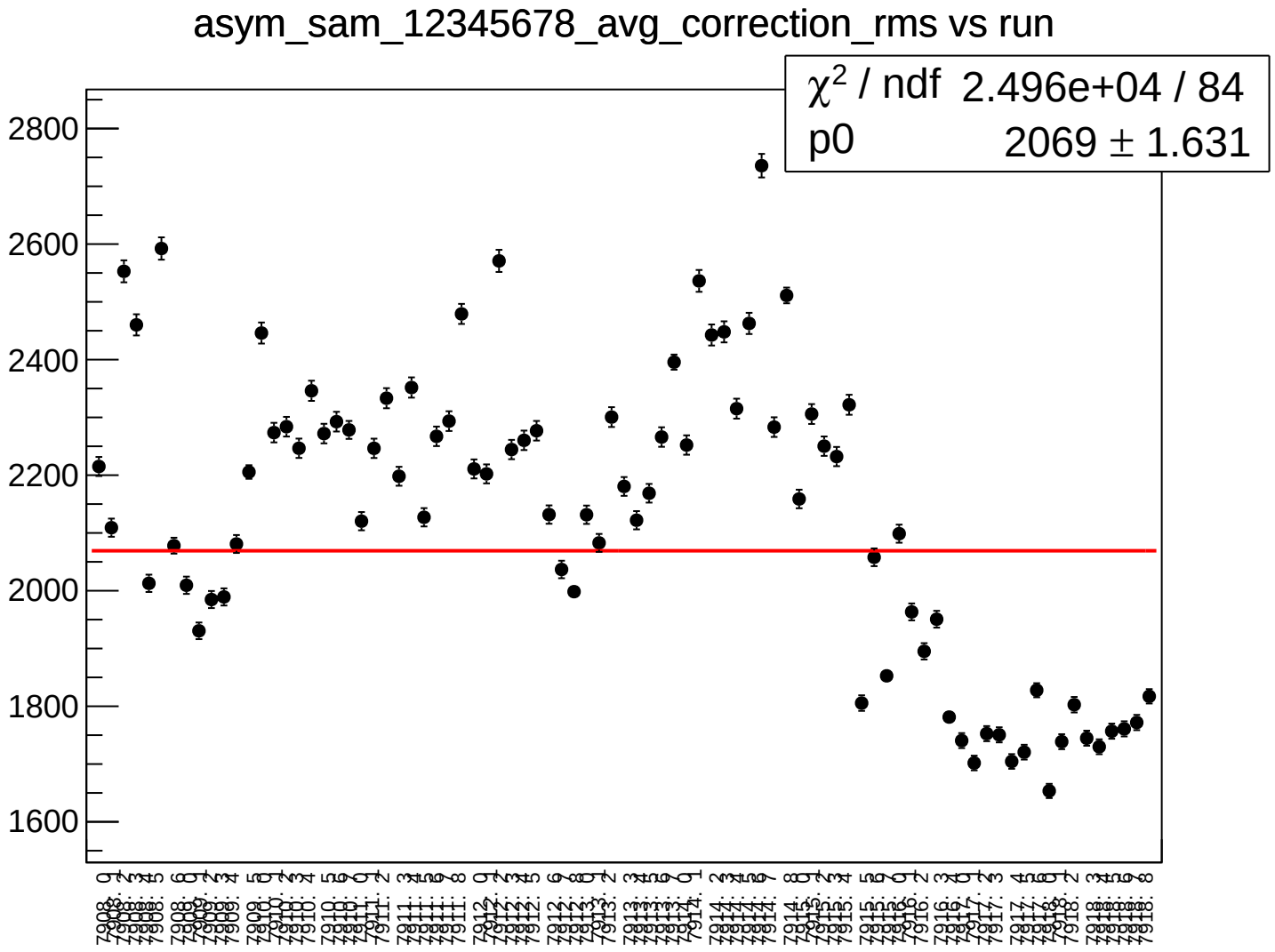

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 95.95 / 84
p0 −134.7 ± 248.2
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −215.8
Std Dev 254
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01898
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

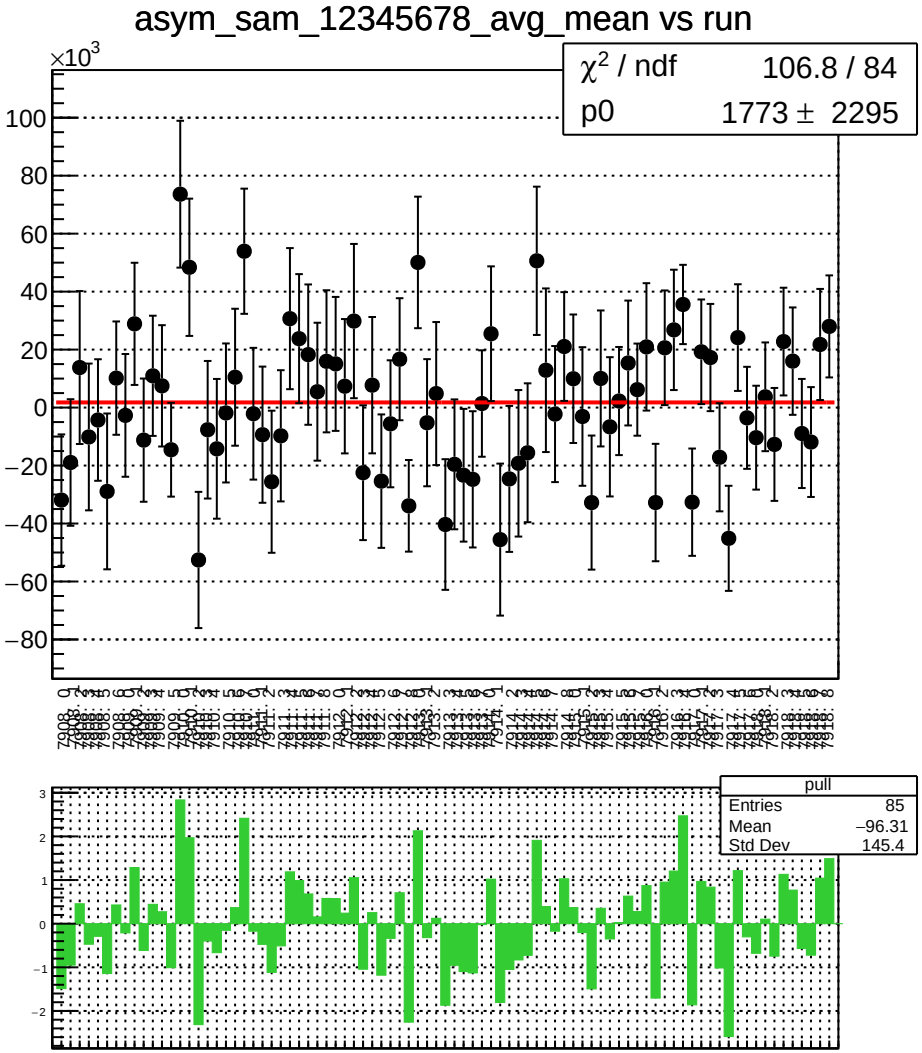
dit_asym_sam_12345678_avg_rms vs run

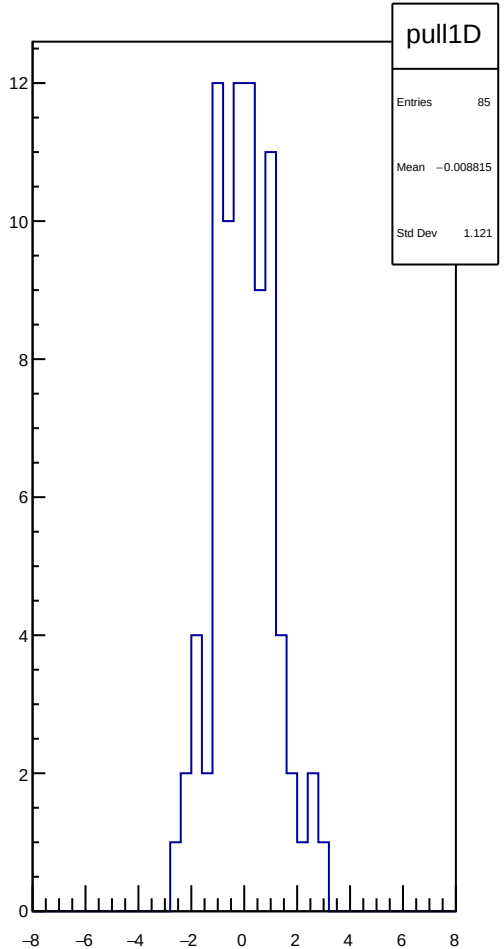



asym_sam_12345678_avg_correction_mean vs run
×10^3
χ² / ndf 104.7 / 84
p0 −2085 ± 2306
pull
Entries 85
Mean −13.52
Std Dev 68.57

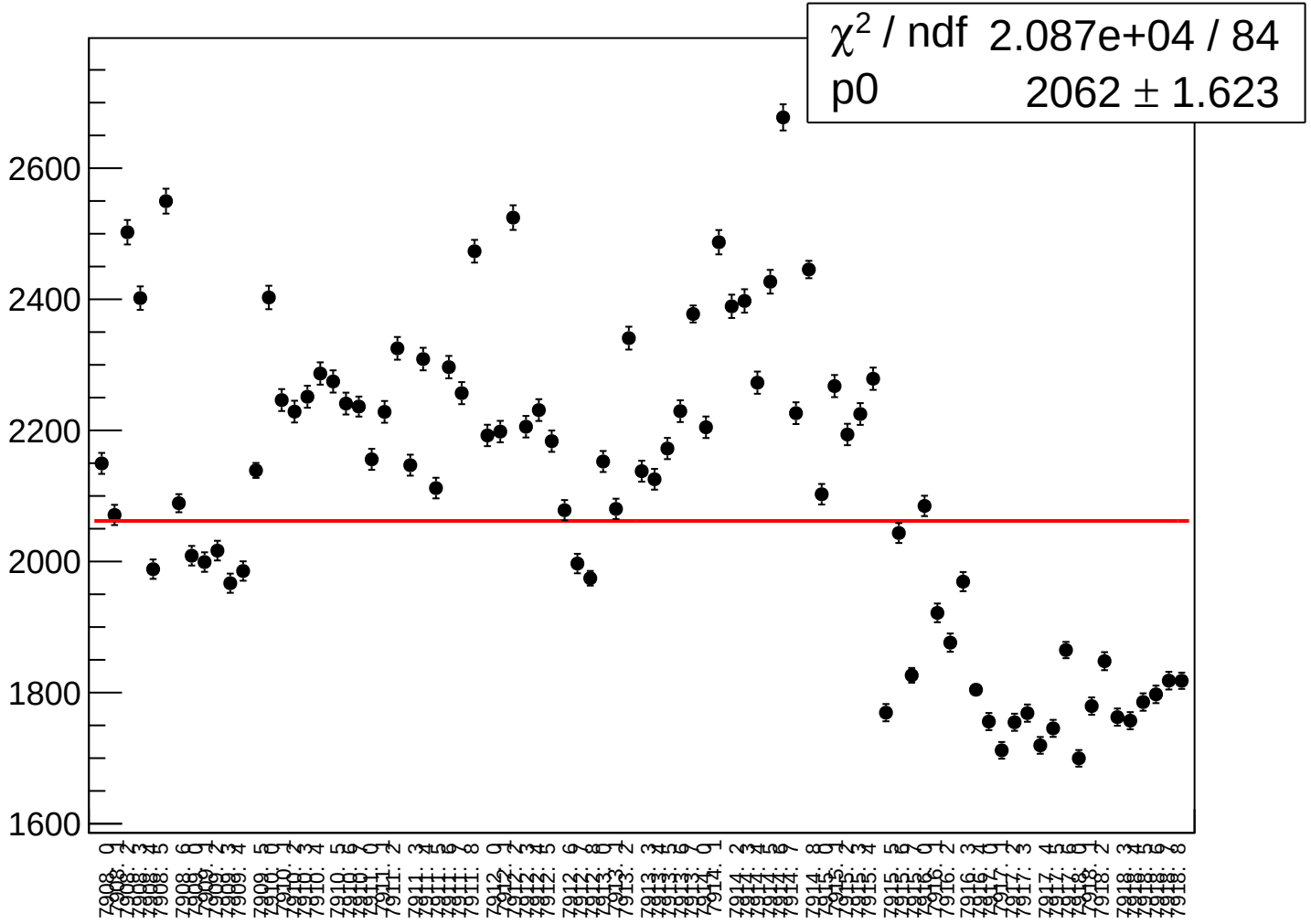

pull1D
Entries 85
Mean 0.01129
Std Dev 1.11

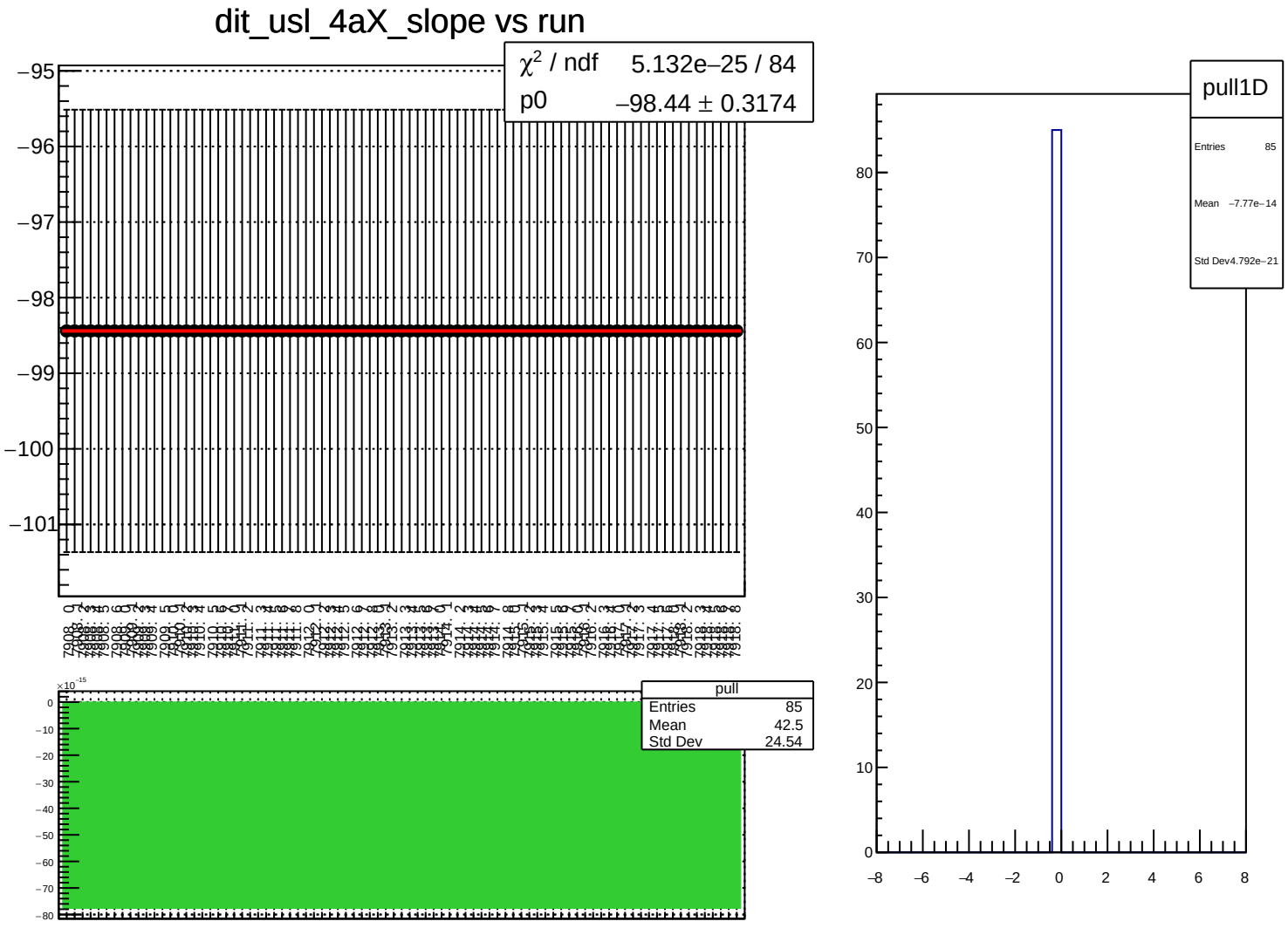

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 2.496e+04 / 84
p0 2069 ± 1.631
2800
2600
2400
2200
2000
1800
1600

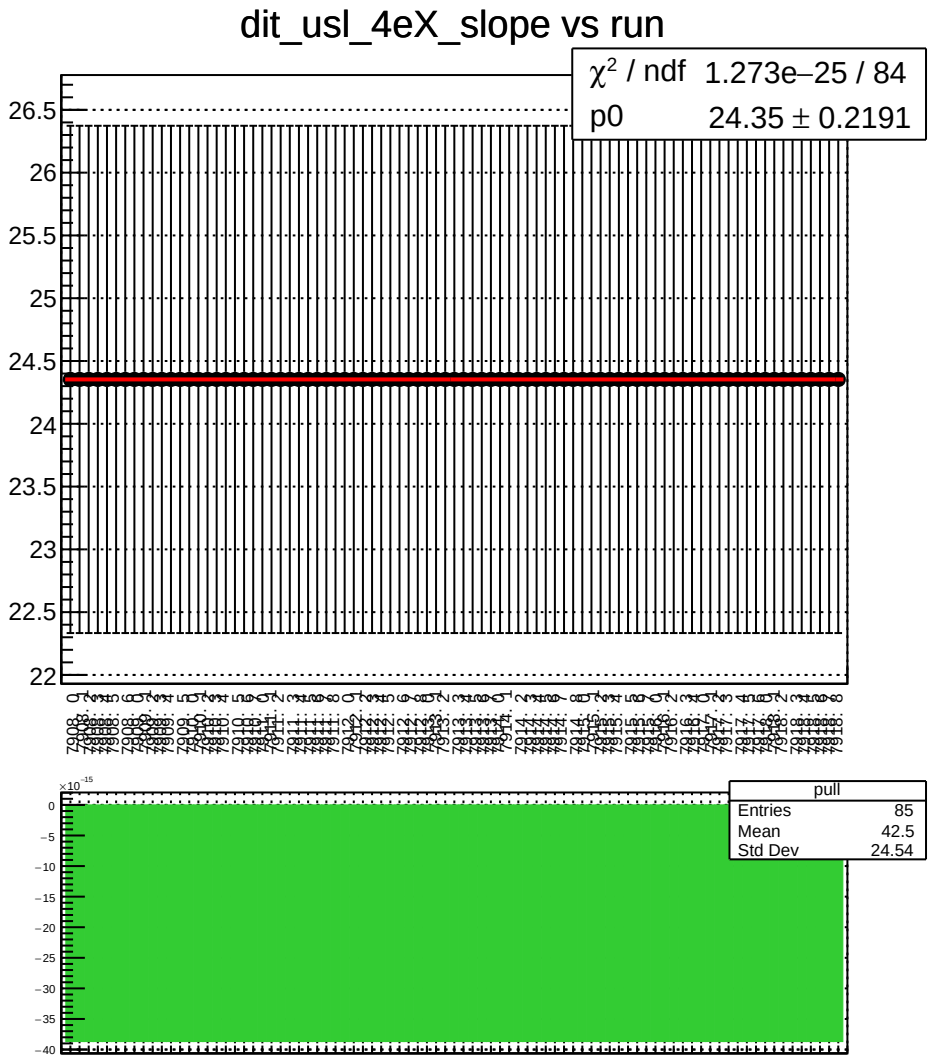

asym_sam_12345678_avg_mean vs run
×10^3
χ² / ndf 106.8 / 84
p0 1773 ± 2295
pull
Entries 85
Mean −96.31
Std Dev 145.4

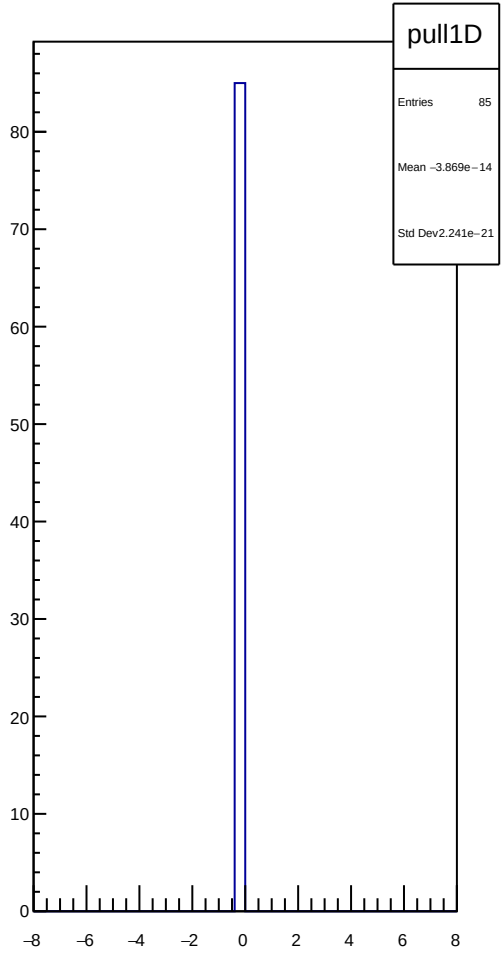

pull1D
Entries 85
Mean −0.008815
Std Dev 1.121

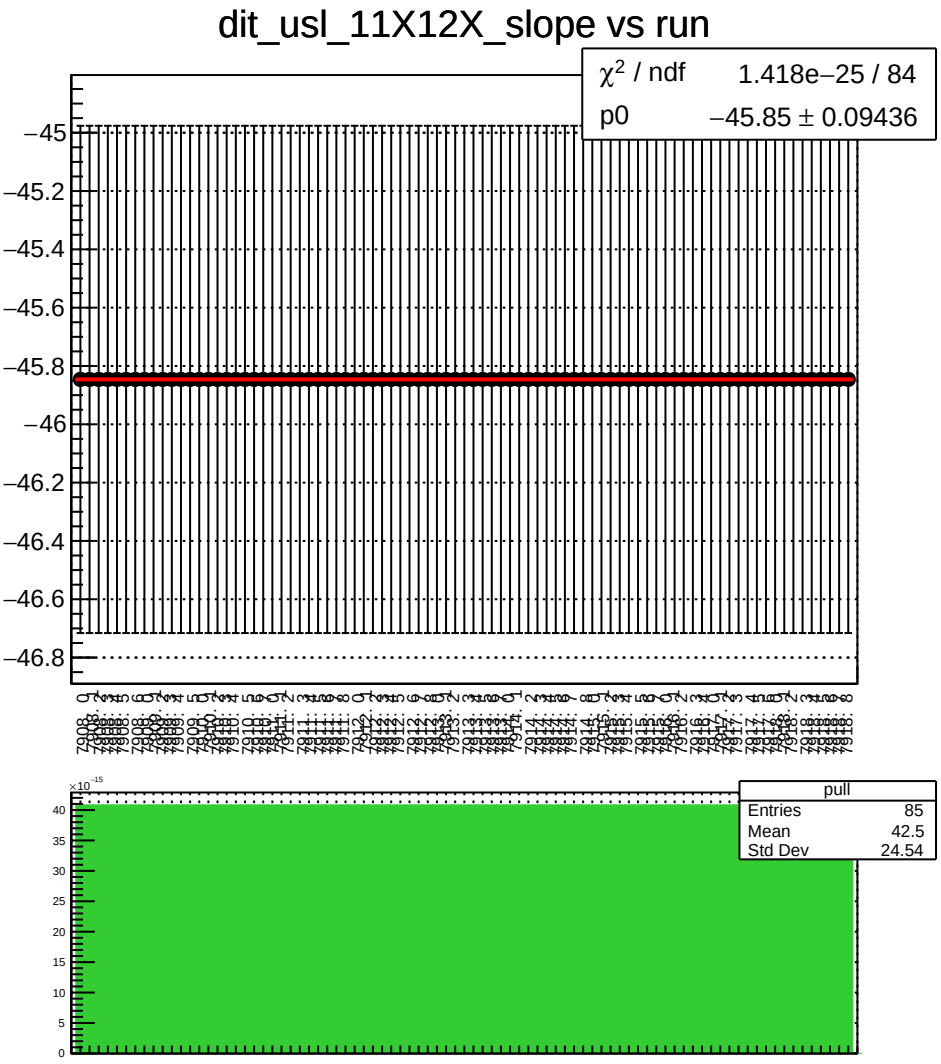
asym_sam_12345678_avg_rms vs run

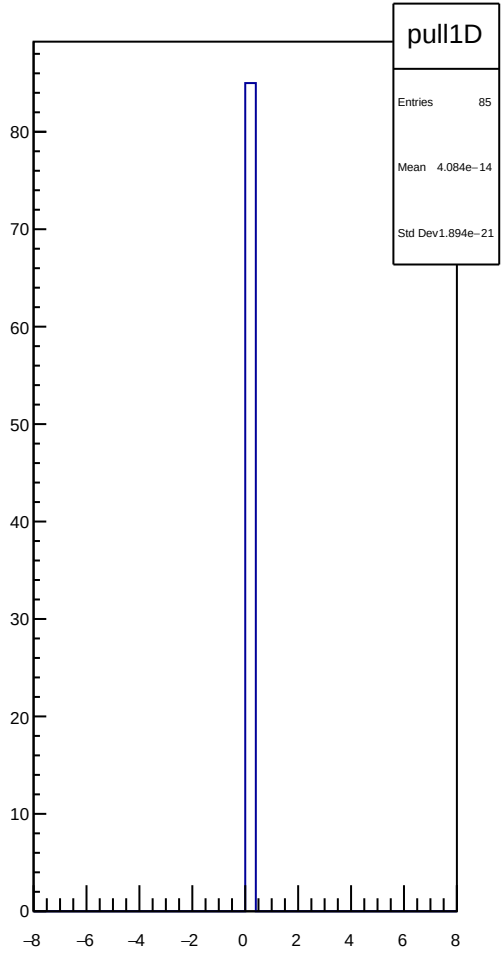


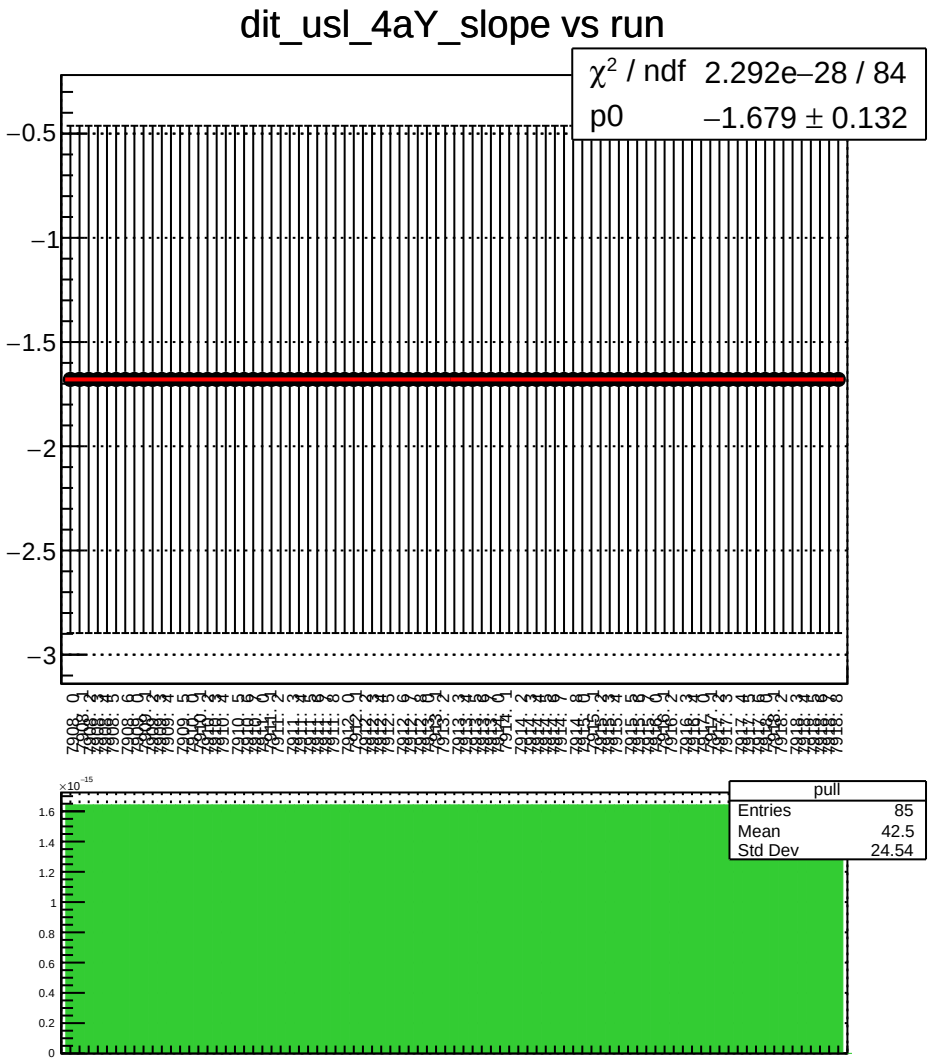

dit_usl_4aX_slope vs run
χ² / ndf 5.132e−25 / 84
p0 −98.44 ± 0.3174
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean −7.77e−14
Std Dev4.792e−21

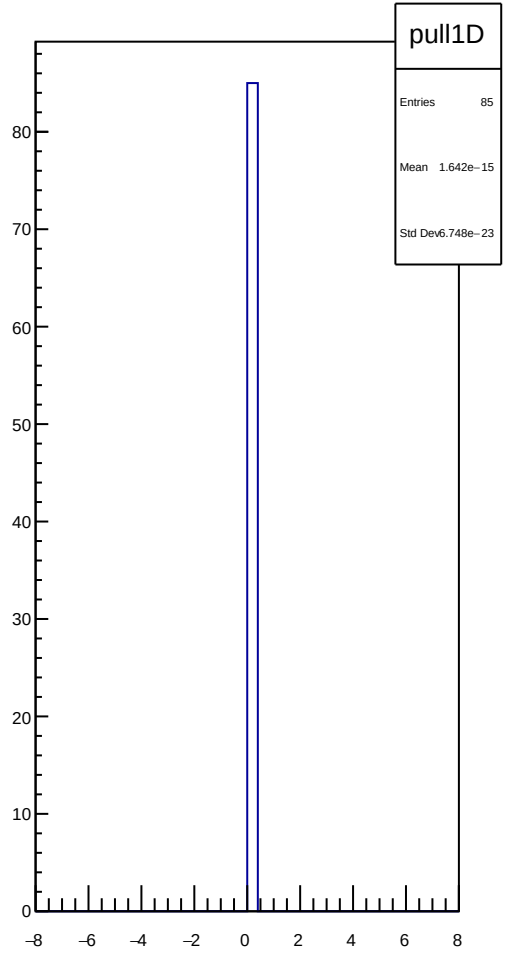

dit_usl_4eX_slope vs run
χ² / ndf 1.273e−25 / 84
p0 24.35 ± 0.2191
pull
Entries 85
Mean 42.5
Std Dev 24.54

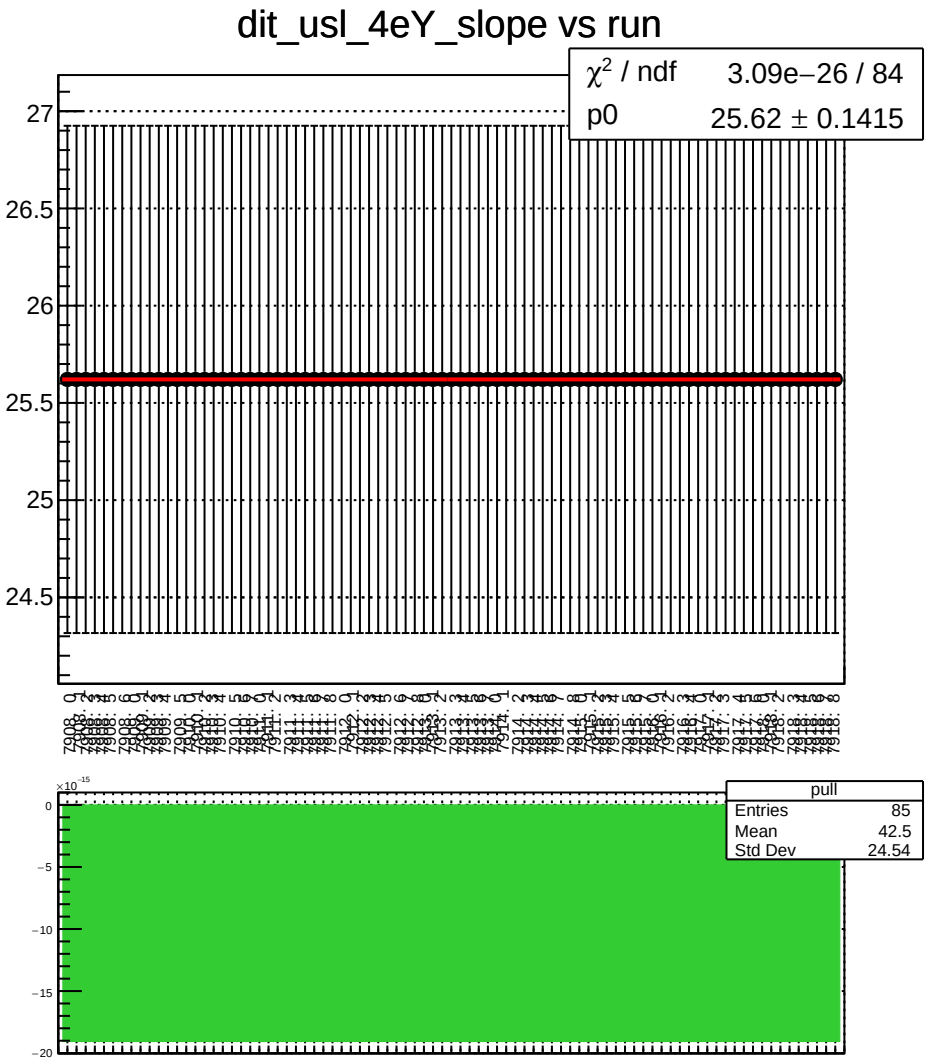

pull1D
Entries 85
Mean −3.869e−14
Std Dev2.241e−21

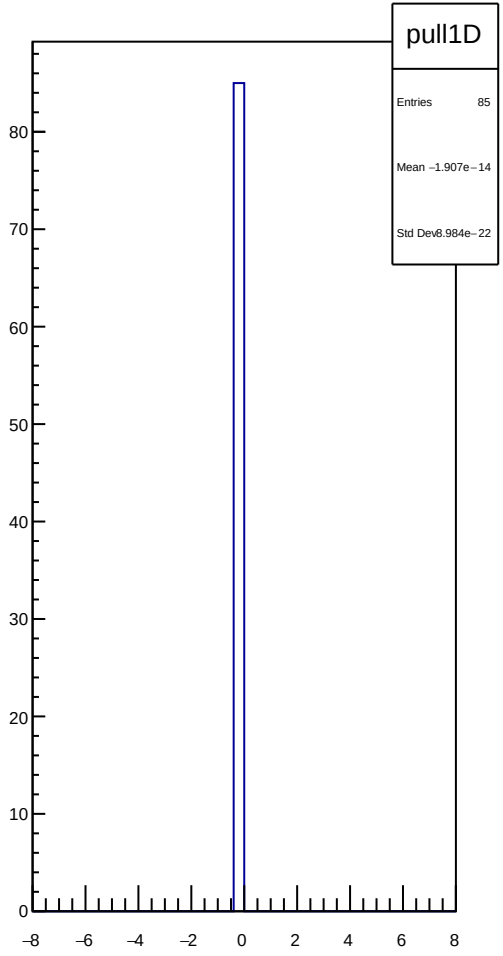

dit_usl_11X12X_slope vs run
χ^2 / ndf 1.418e−25 / 84
p0 −45.85 ± 0.09436
pull
Entries 85
Mean 42.5
Std Dev 24.54

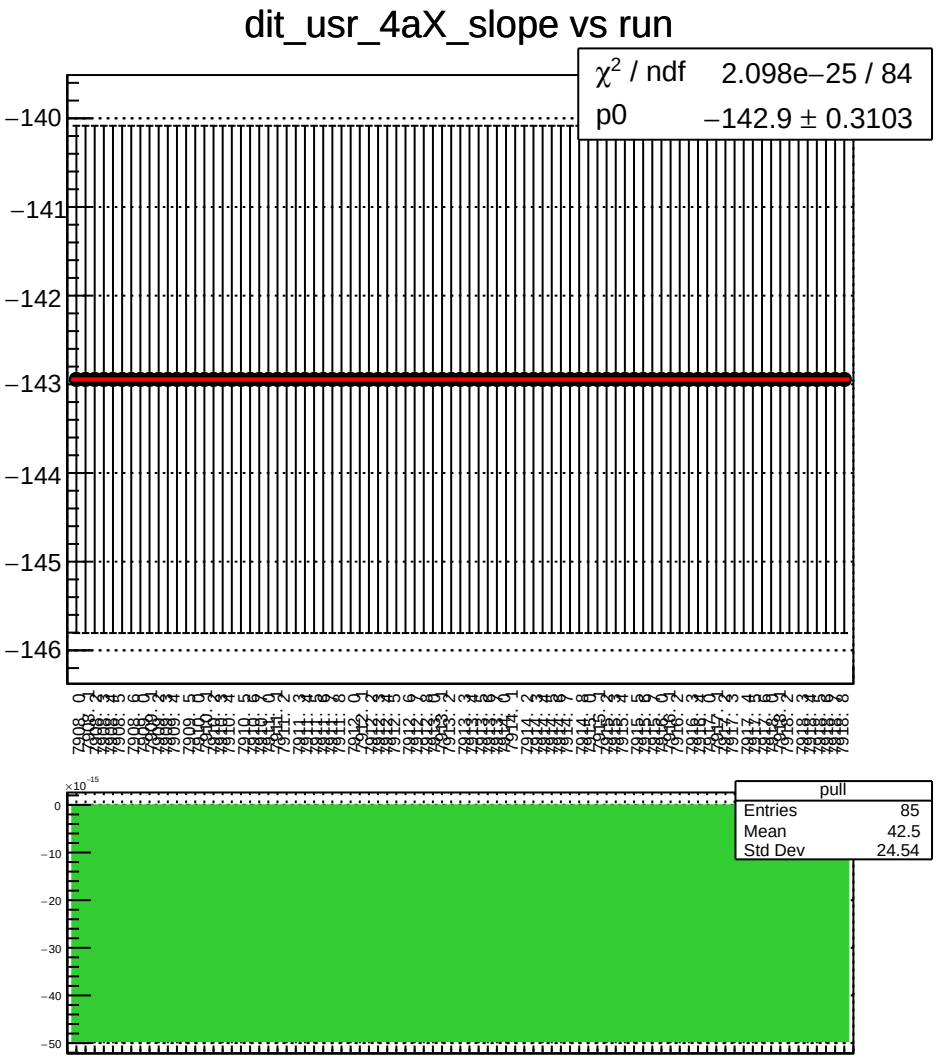

pull1D
Entries 85
Mean 4.084e−14
Std Dev 1.894e−21

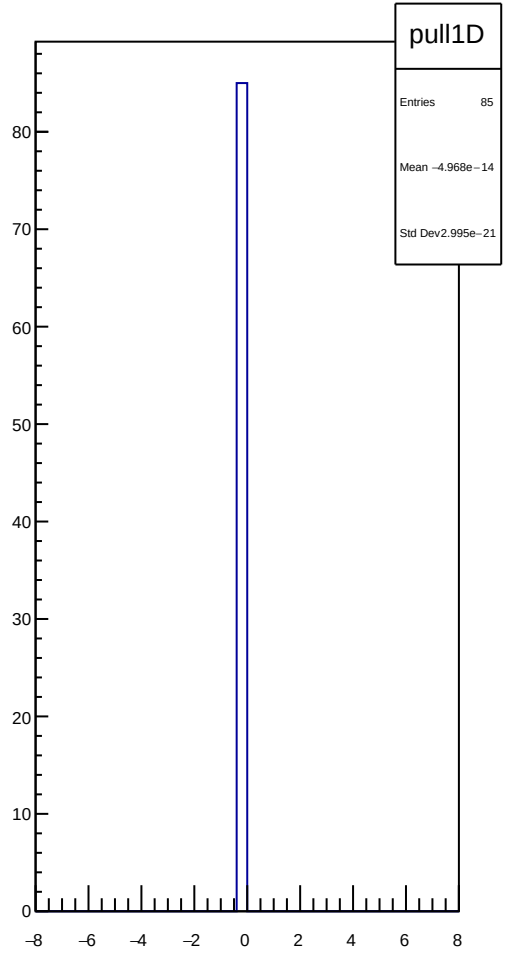

dit_usl_4aY_slope vs run
χ² / ndf 2.292e−28 / 84
p0 −1.679 ± 0.132
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

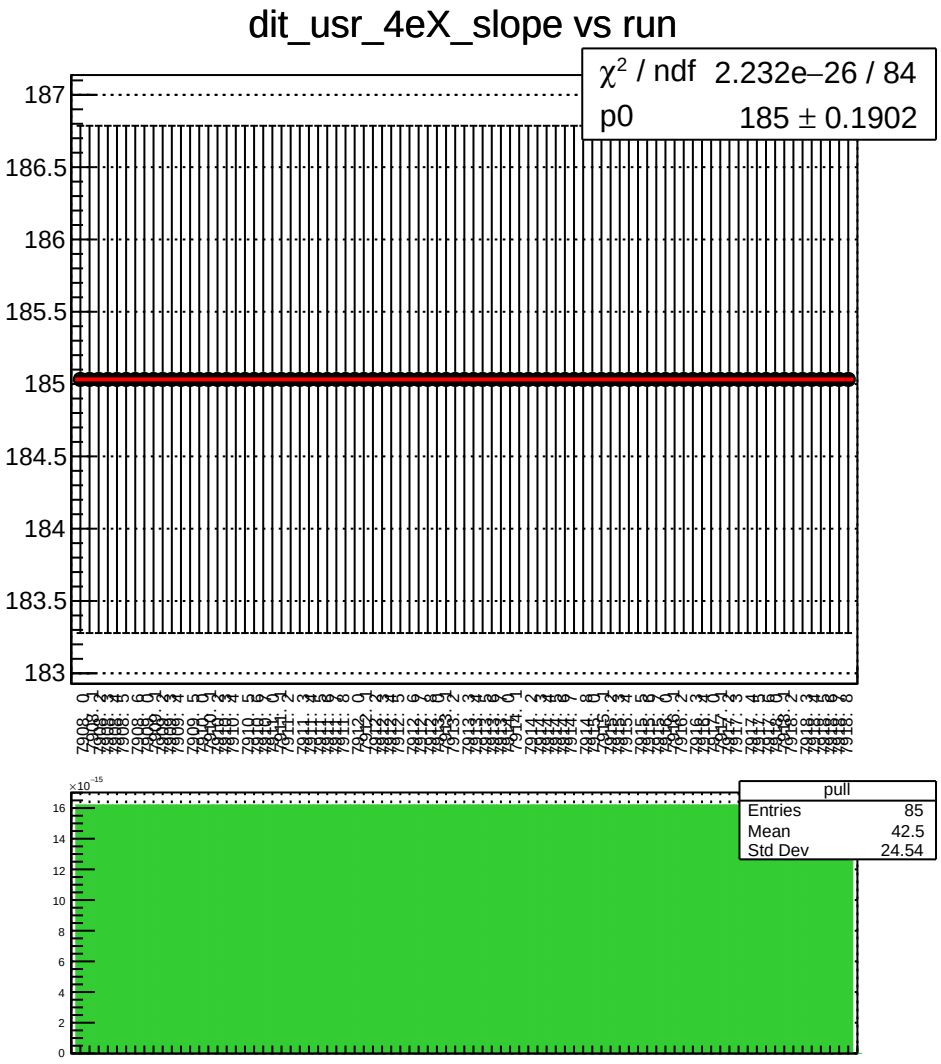

pull1D
Entries 85
Mean 1.642e−15
Std Dev 6.748e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

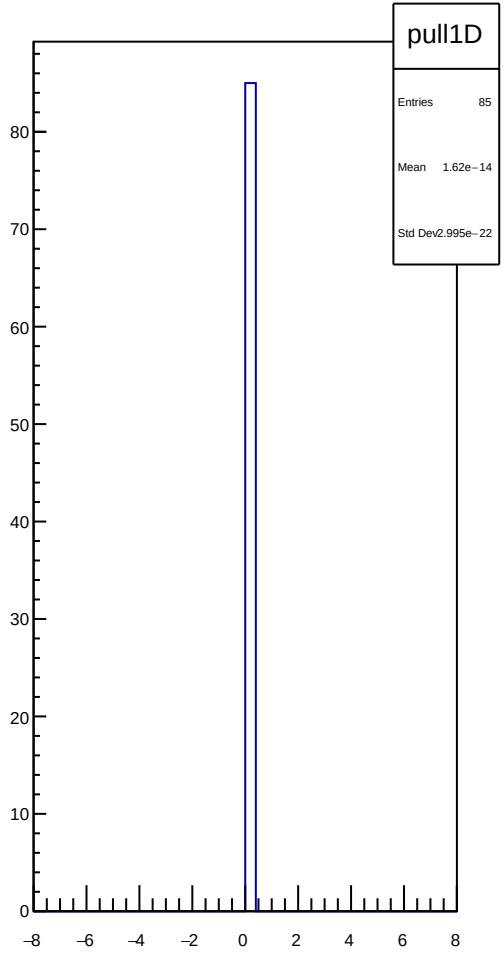

dit_usl_4eY_slope vs run
χ² / ndf 3.09e−26 / 84
p0 25.62 ± 0.1415
27
26.5
26
25.5
25
24.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20


pull1D
Entries 85
Mean −1.907e−14
Std Dev 8.984e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

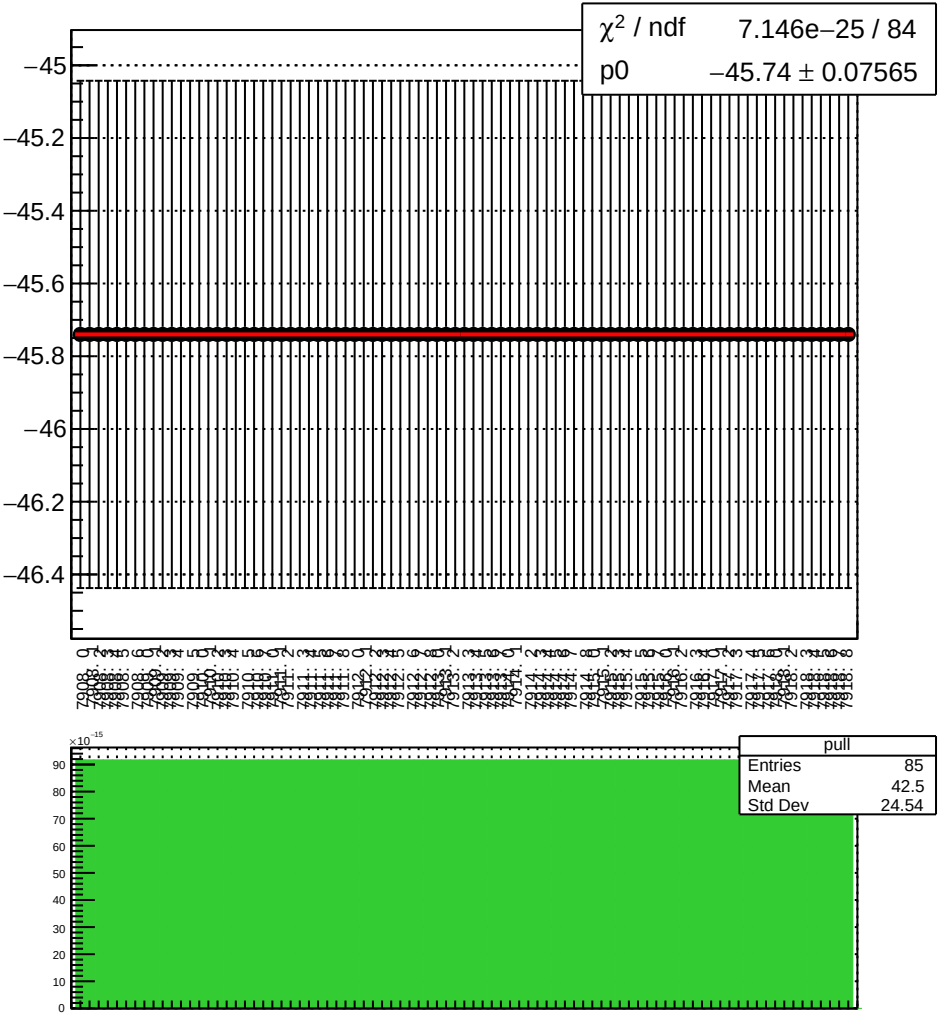

dit_usr_4aX_slope vs run
χ^2 / ndf 2.098e−25 / 84
p0 −142.9 ± 0.3103
−140
−141
−142
−143
−144
−145
−146
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50

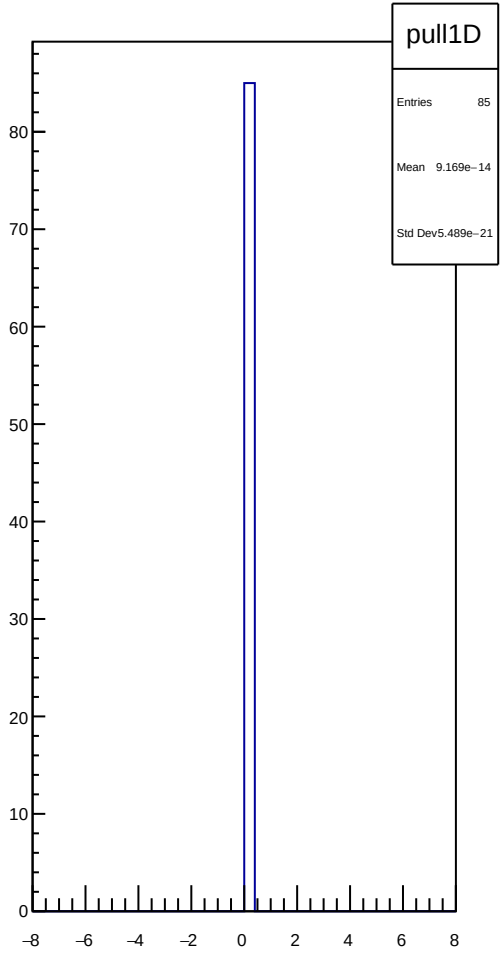

pull1D
Entries 85
Mean −4.968e−14
Std Dev 2.995e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

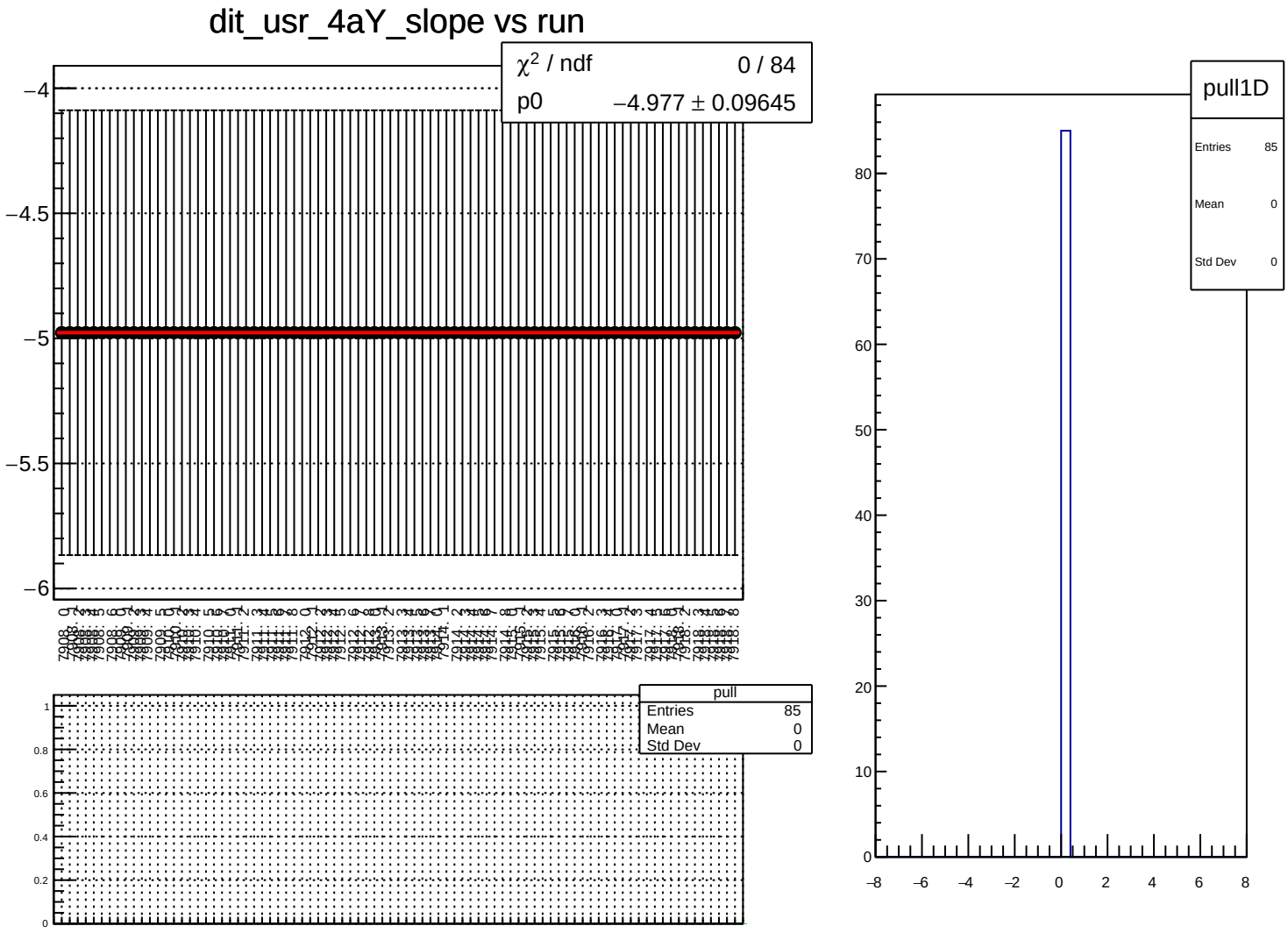

dit_usr_4eX_slope vs run
χ^2 / ndf 2.232e−26 / 84
p0 185 ± 0.1902
187
186.5
186
185.5
185
184.5
184
183.5
183
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
16
14
12
10
8
6
4
2
0

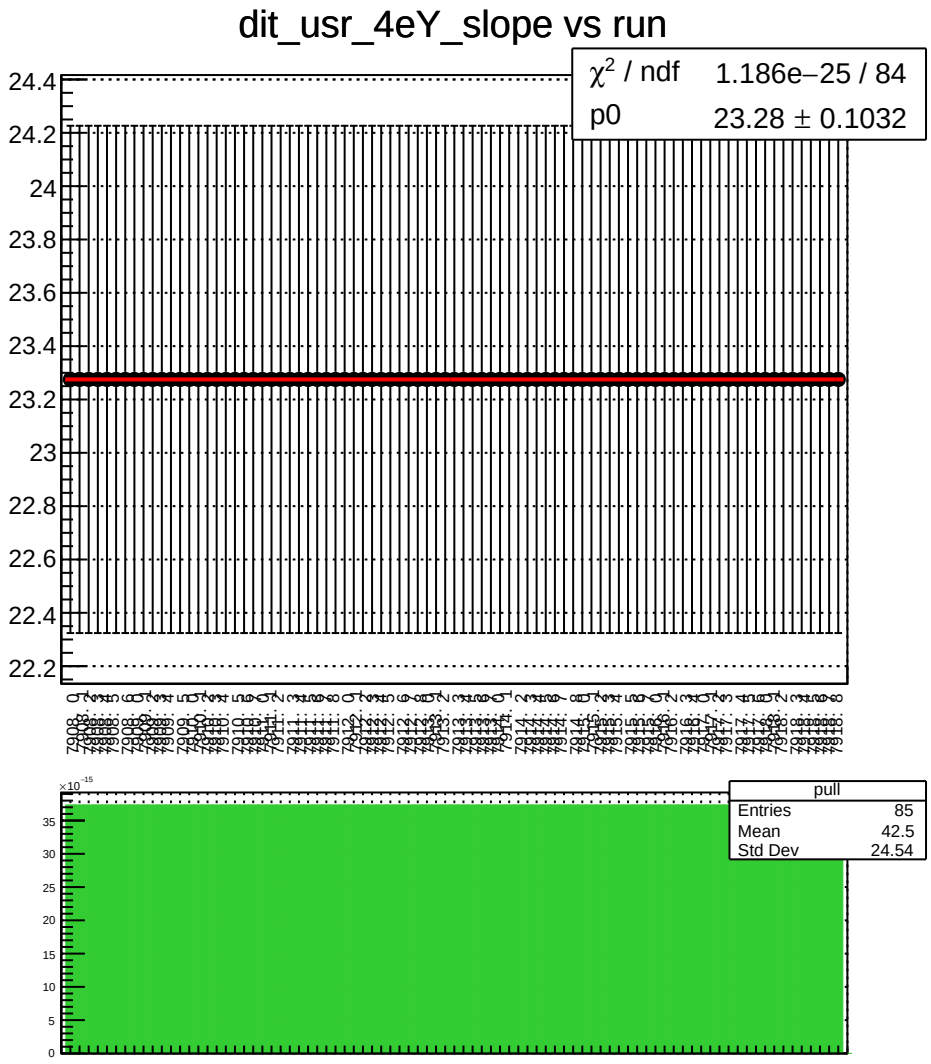

pull1D
Entries 85
Mean 1.62e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

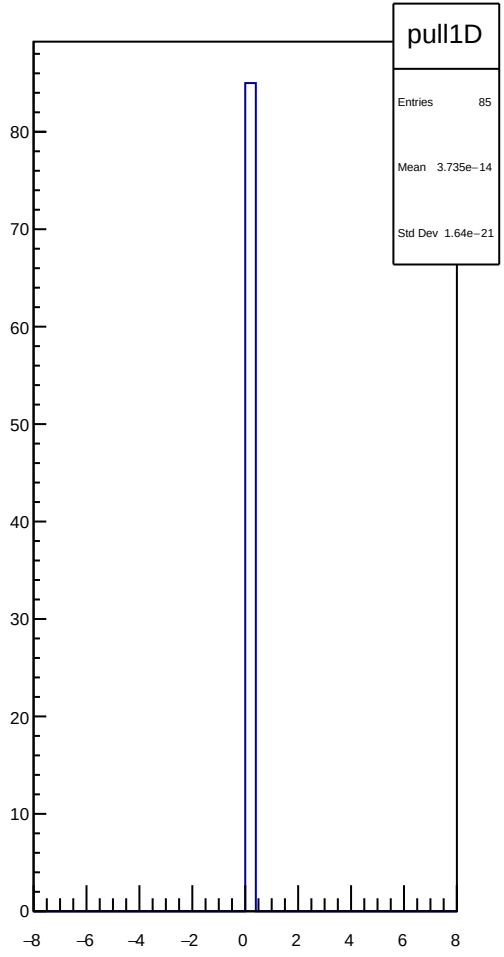
dit_usr_11X12X_slope vs run

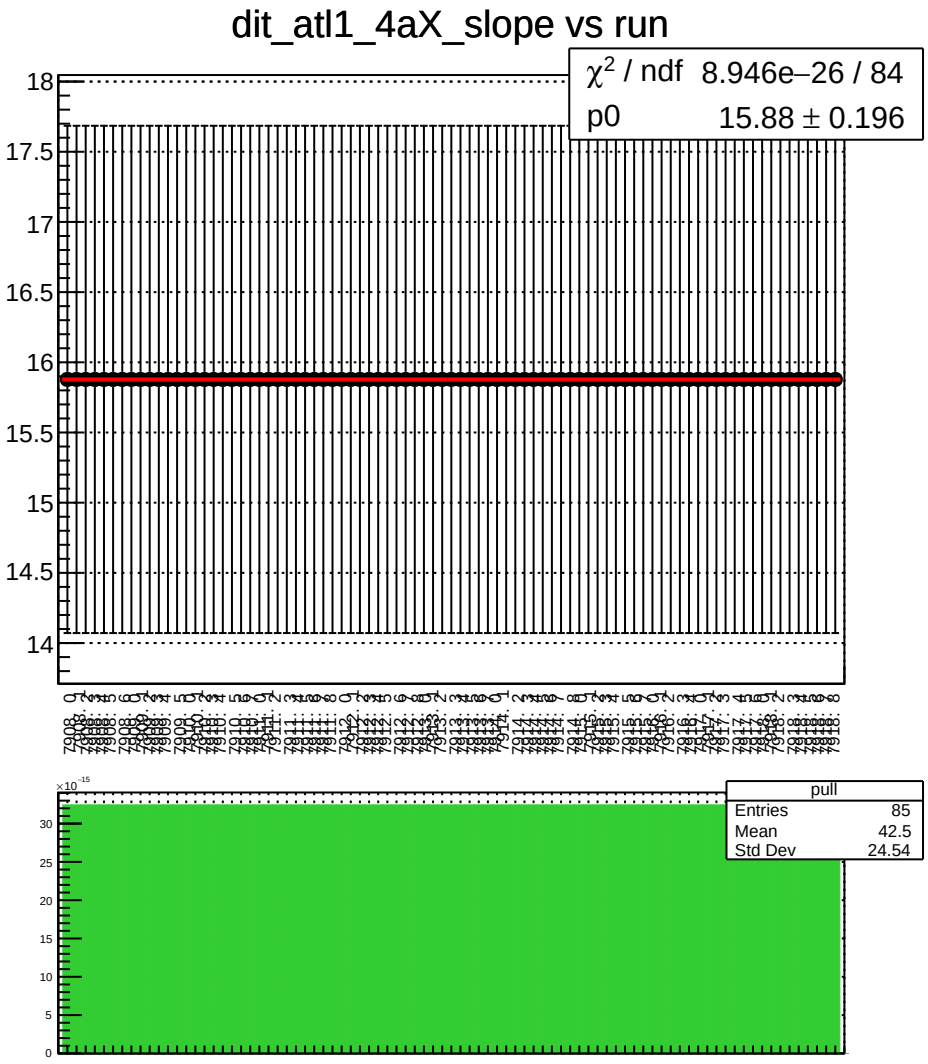


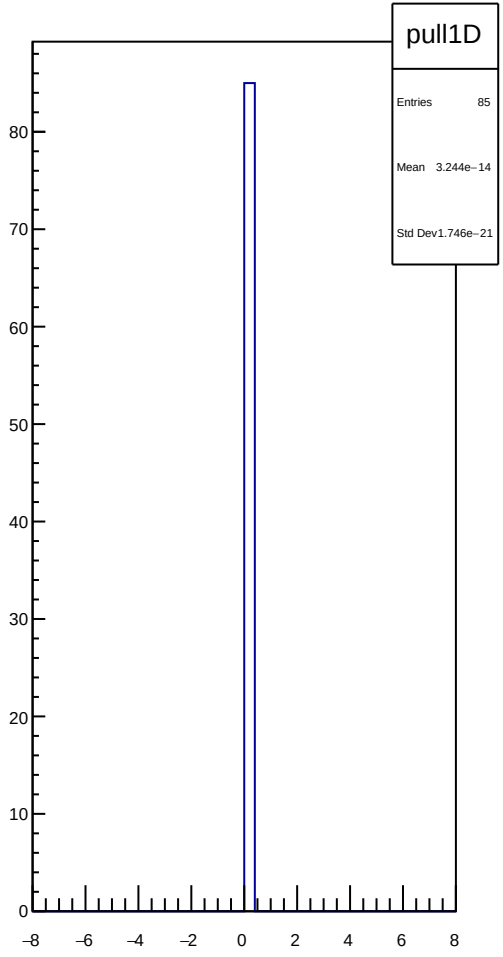


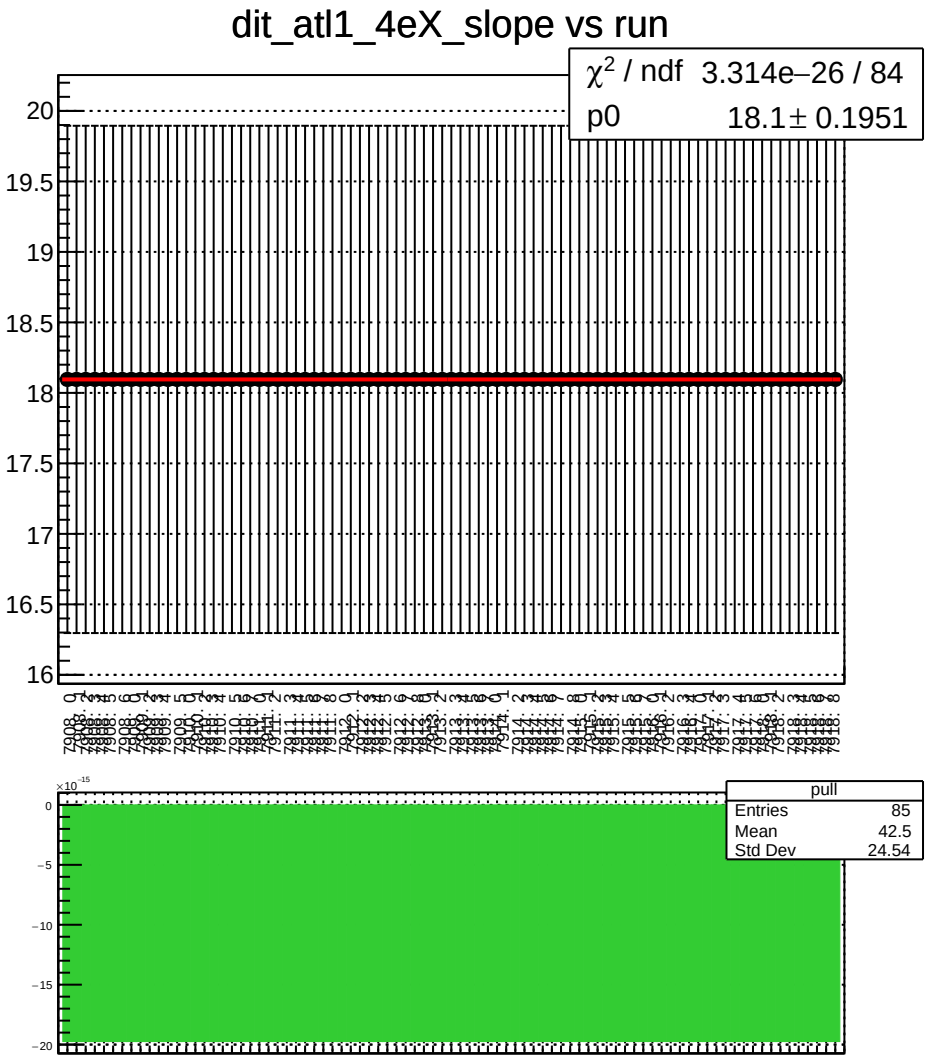

dit_usr_4aY_slope vs run
χ² / ndf 0 / 84
p0 −4.977 ± 0.09645
−4
−4.5
−5
−5.5
−6
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

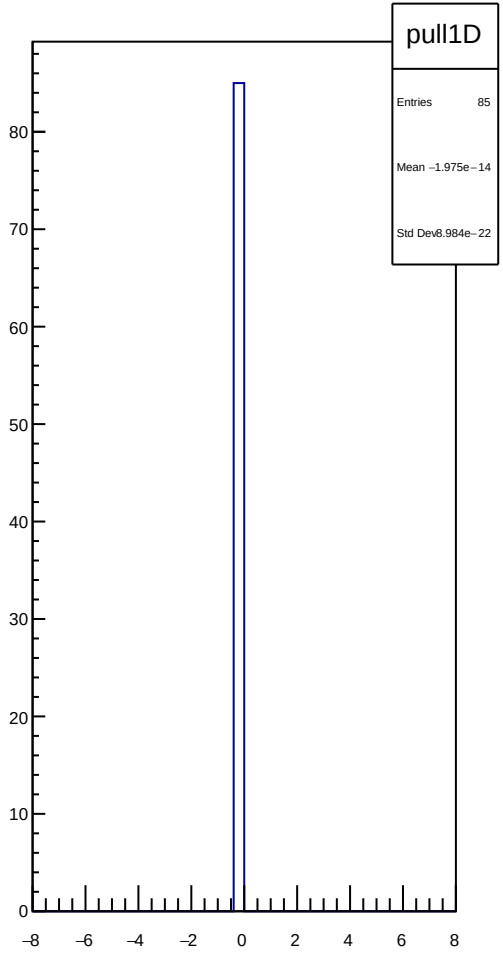

dit_usr_4eY_slope vs run
χ^2 / ndf 1.186e−25 / 84
p0 23.28 ± 0.1032
pull
Entries 85
Mean 42.5
Std Dev 24.54

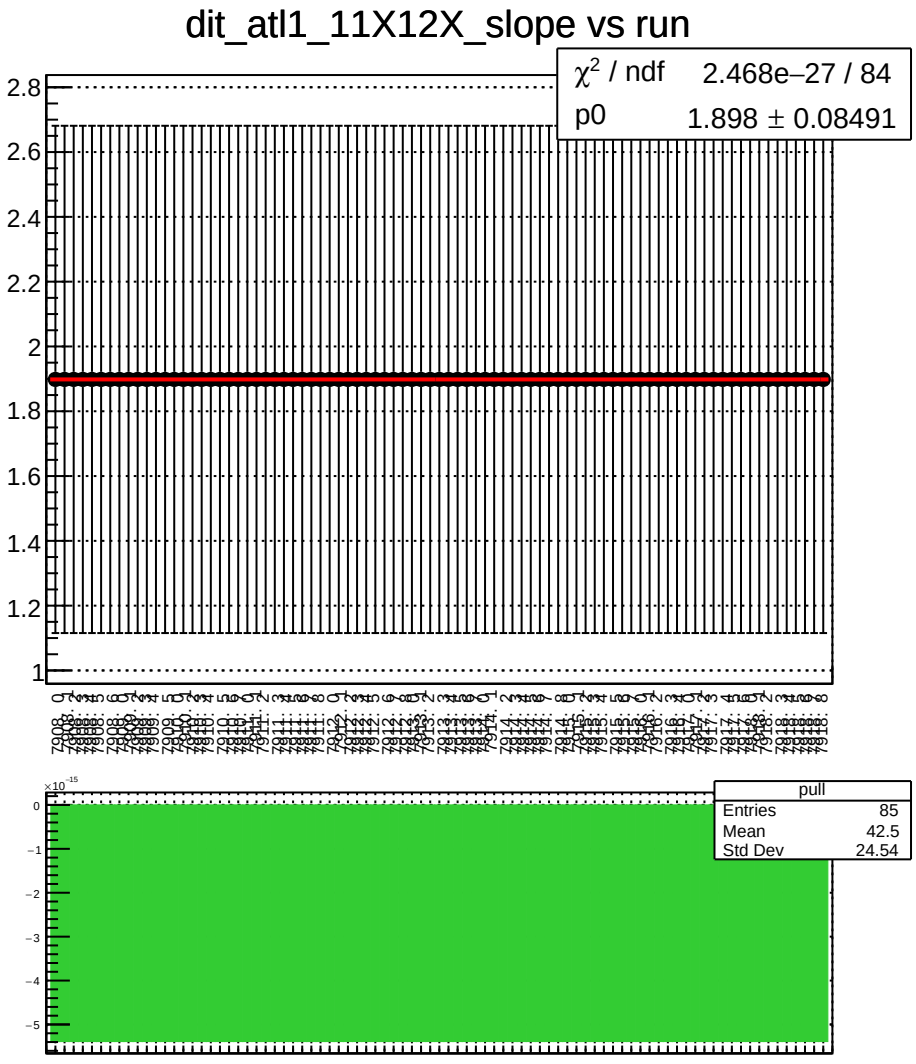

pull1D
Entries 85
Mean 3.735e−14
Std Dev 1.64e−21

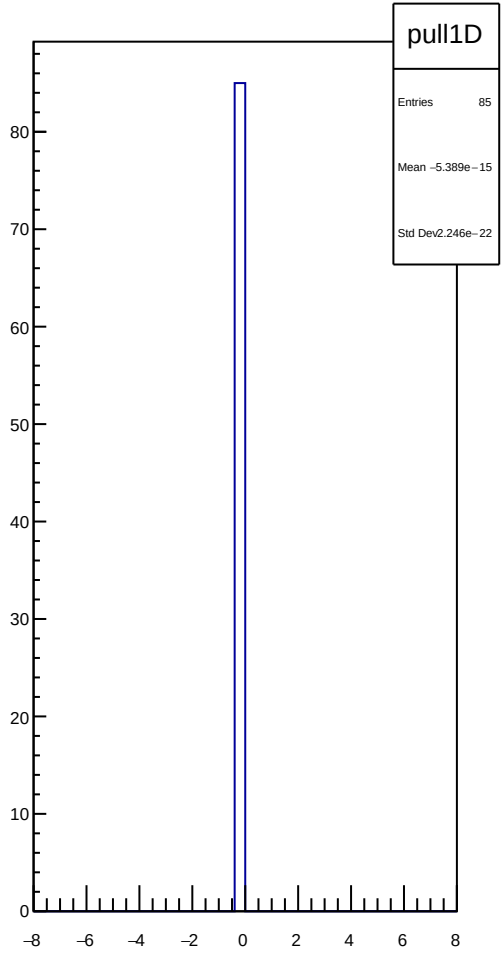

dit_atl1_4aX_slope vs run
χ^2 / ndf 8.946e−26 / 84
p0 15.88 ± 0.196
pull
Entries 85
Mean 42.5
Std Dev 24.54

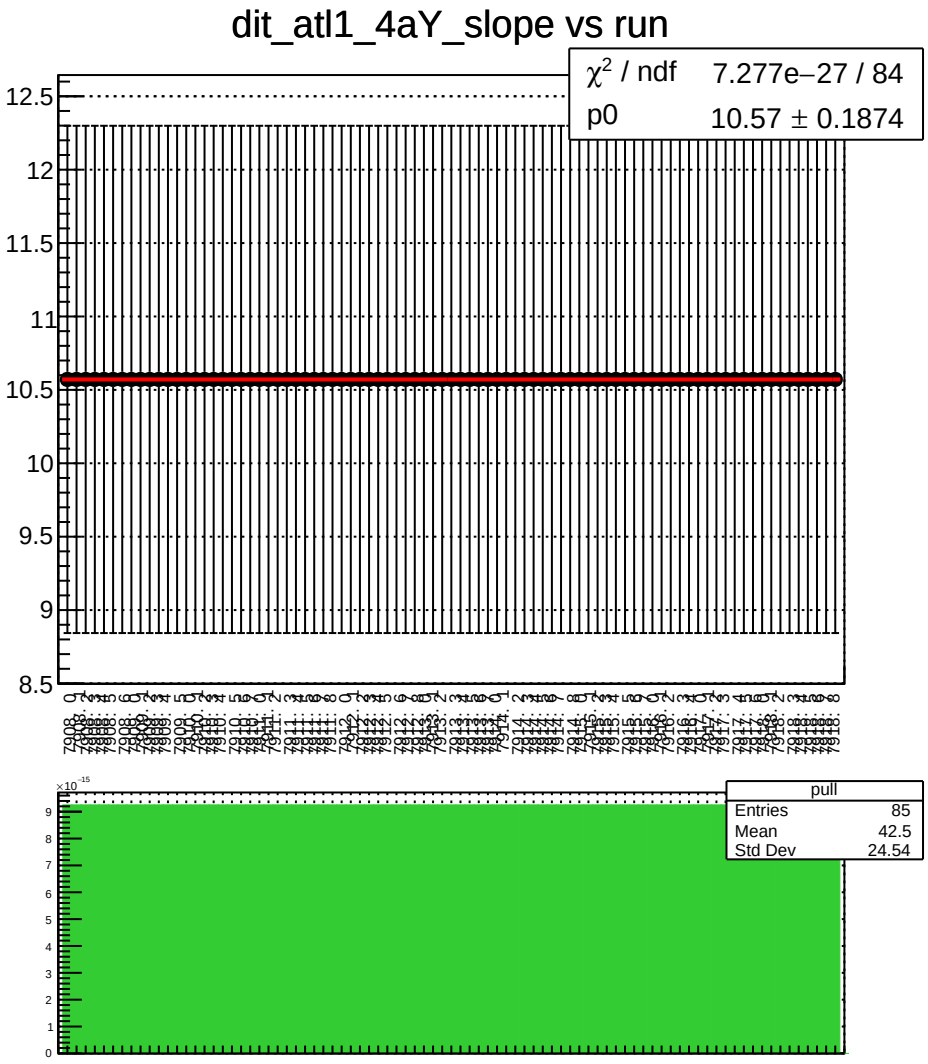

pull1D
Entries 85
Mean 3.244e−14
Std Dev 1.746e−21

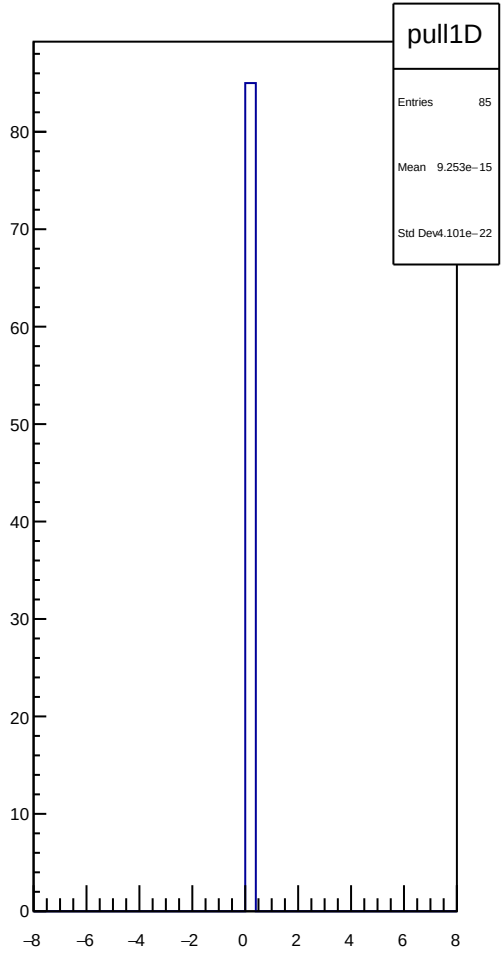

dit_atl1_4eX_slope vs run
χ^2 / ndf 3.314e−26 / 84
p0 18.1 ± 0.1951
pull
Entries 85
Mean 42.5
Std Dev 24.54

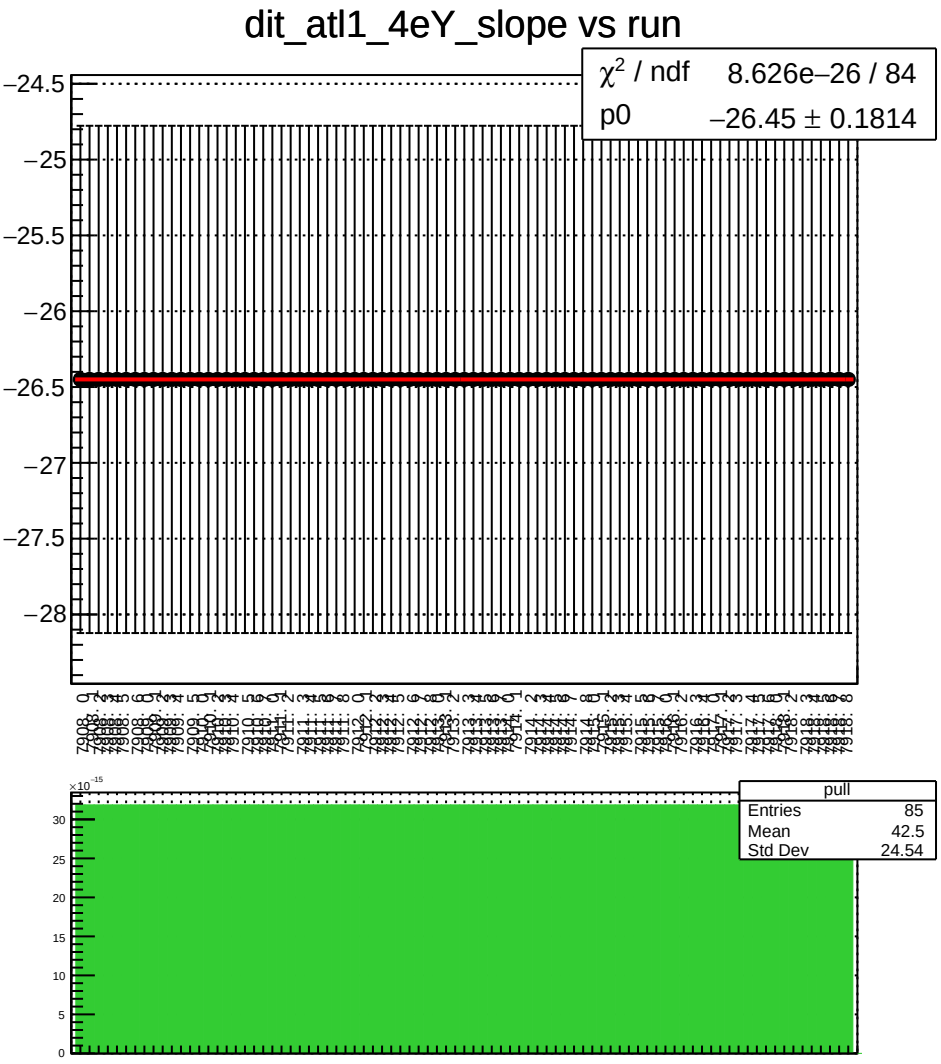

pull1D
Entries 85
Mean −1.975e−14
Std Dev 8.984e−22

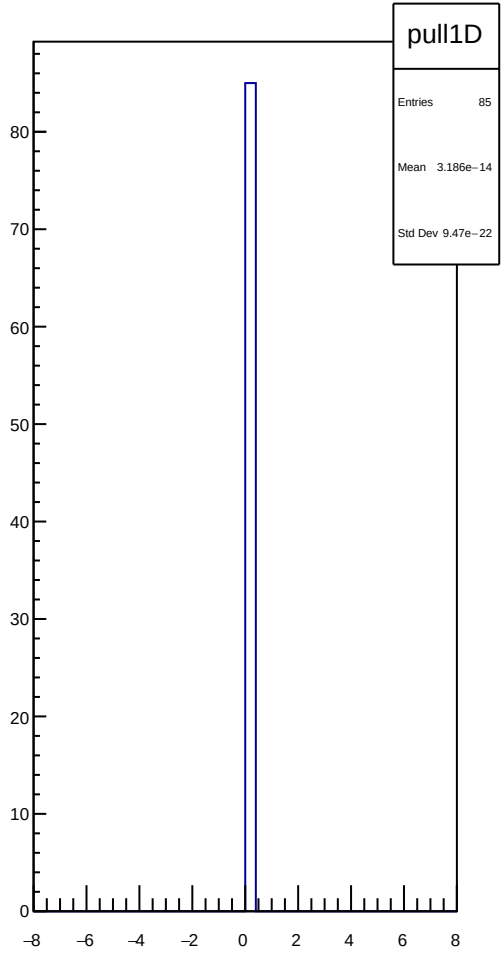

dit_atl1_11X12X_slope vs run
χ^2 / ndf 2.468e−27 / 84
p0 1.898 ± 0.08491
pull
Entries 85
Mean 42.5
Std Dev 24.54

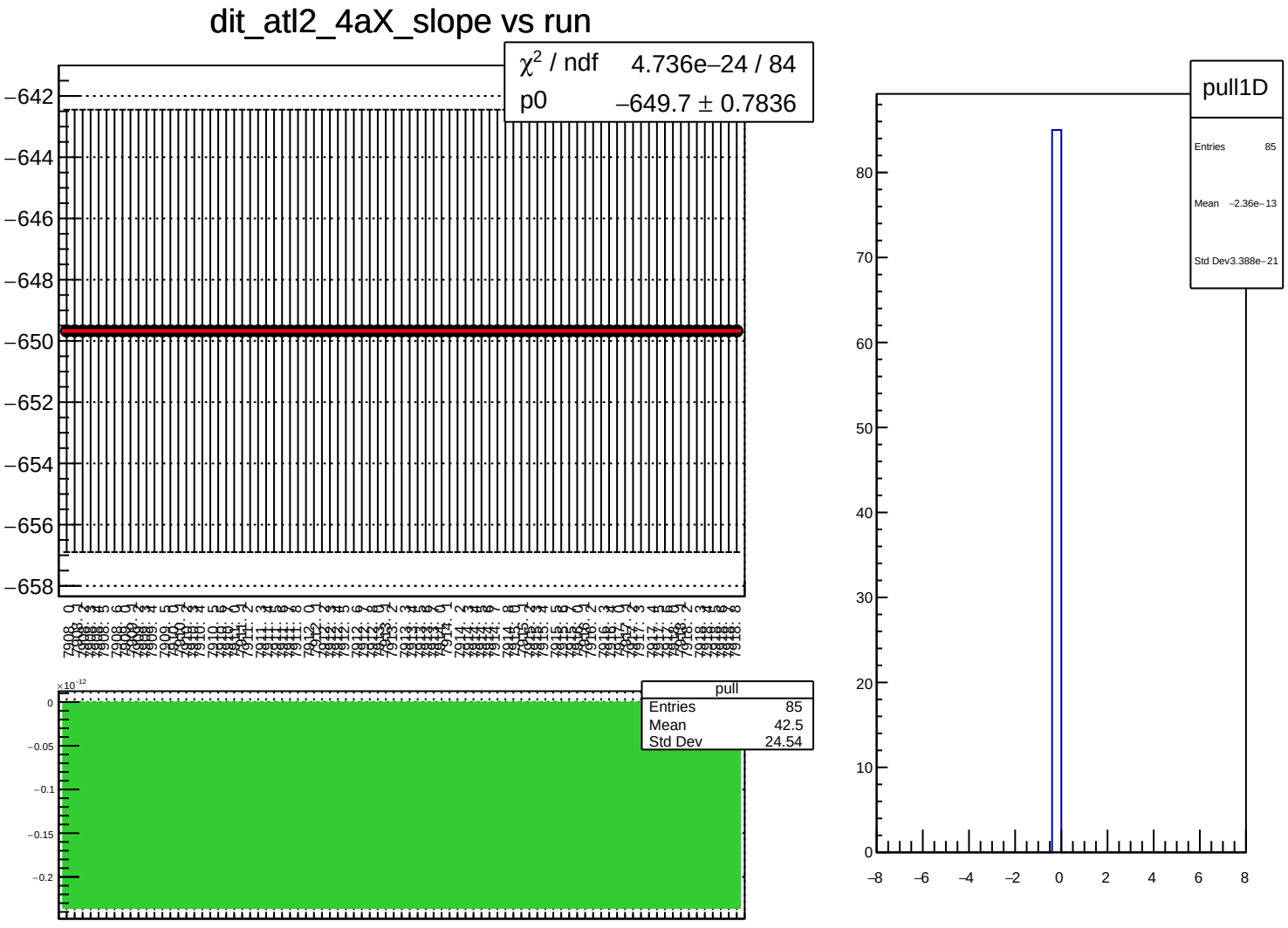

pull1D
Entries 85
Mean −5.389e−15
Std Dev 2.246e−22


dit_atl1_4aY_slope vs run
χ² / ndf 7.277e−27 / 84
p0 10.57 ± 0.1874
pull
Entries 85
Mean 42.5
Std Dev 24.54

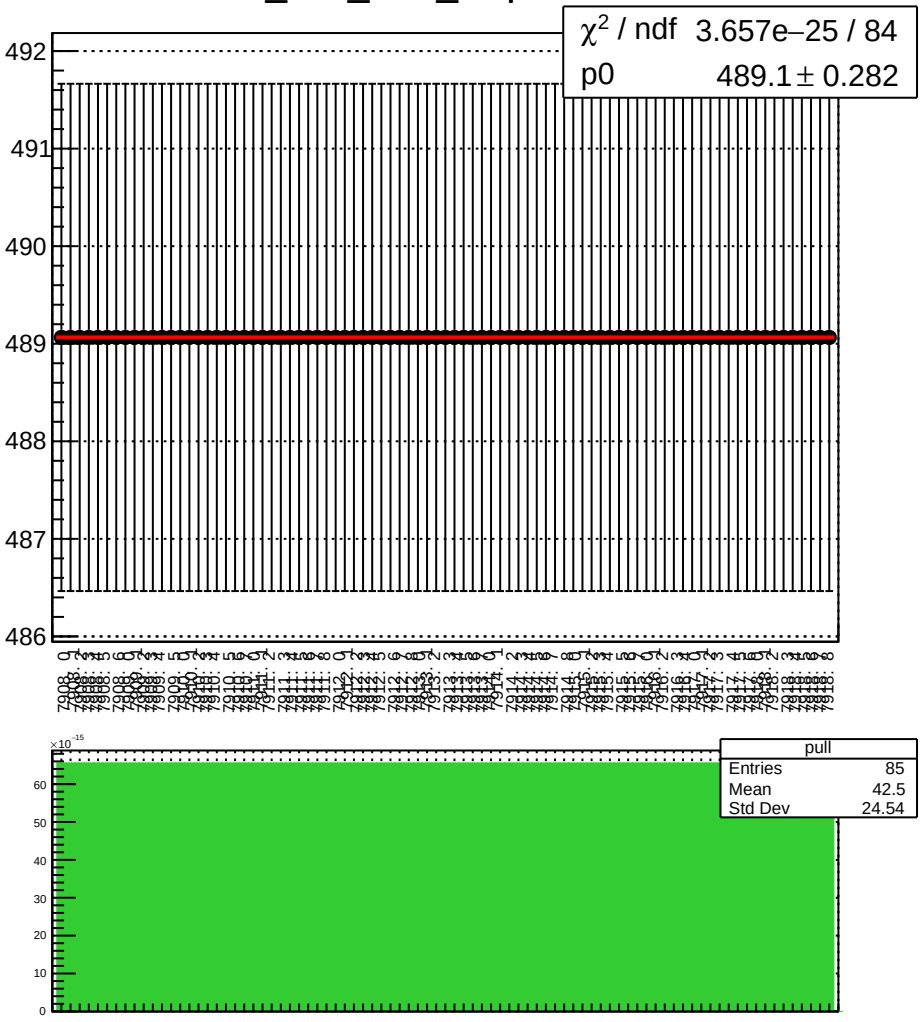

pull1D
Entries 85
Mean 9.253e−15
Std Dev 4.101e−22

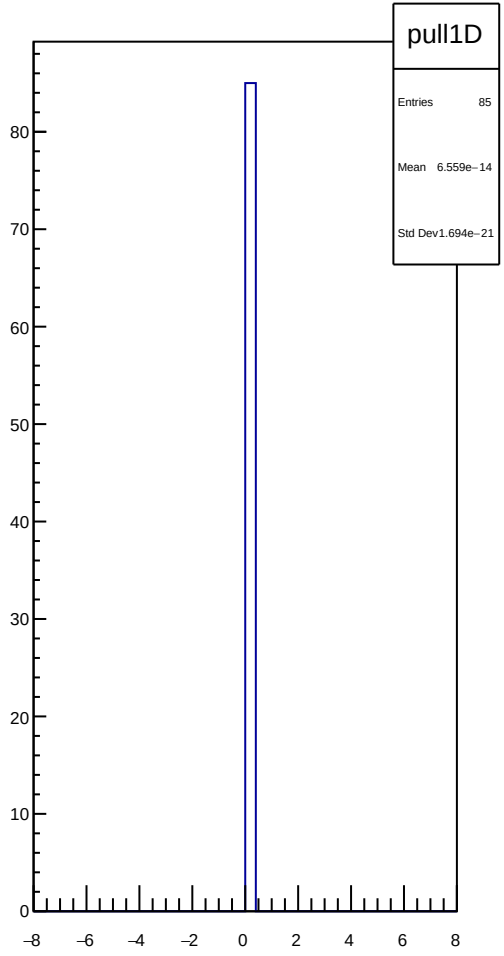

dit_atl1_4eY_slope vs run
χ^2 / ndf 8.626e−26 / 84
p0 −26.45 ± 0.1814
−24.5
−25
−25.5
−26
−26.5
−27
−27.5
−28
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
30
25
20
15
10
5
0

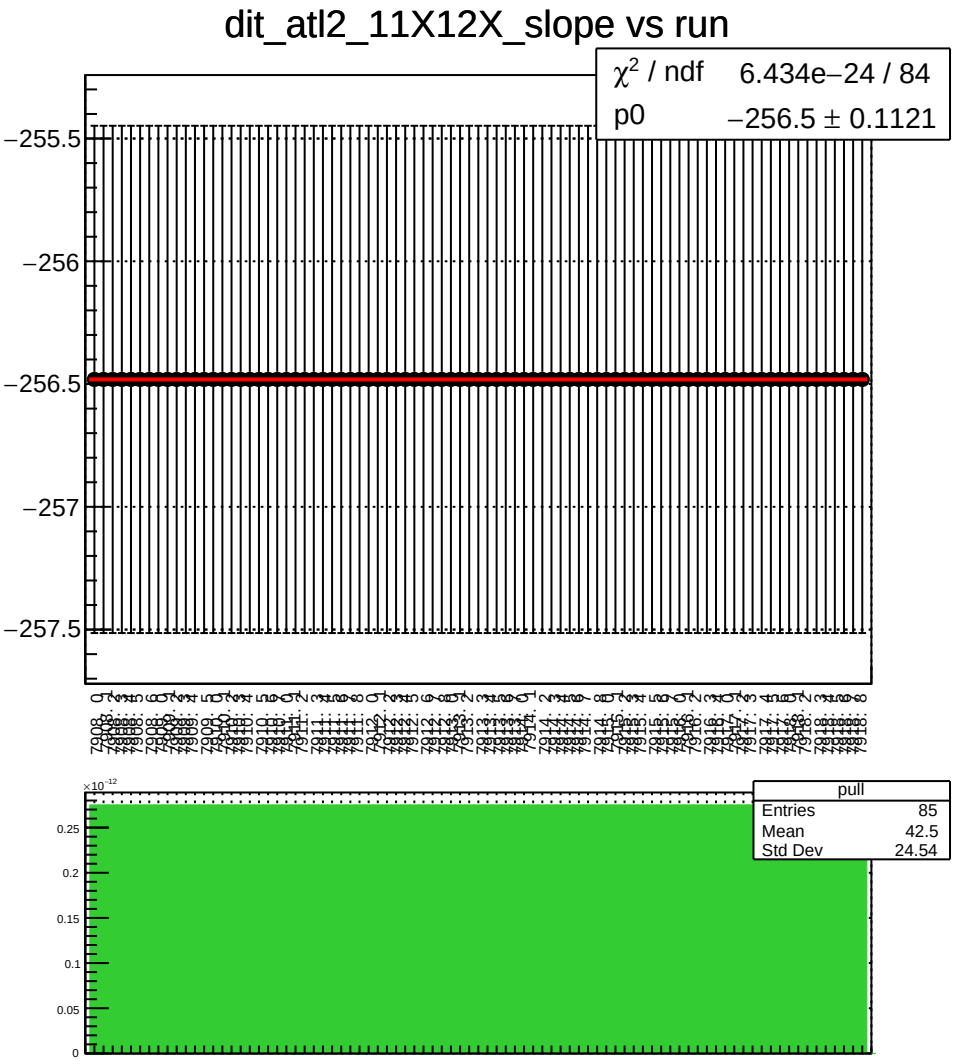

pull1D
Entries 85
Mean 3.186e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

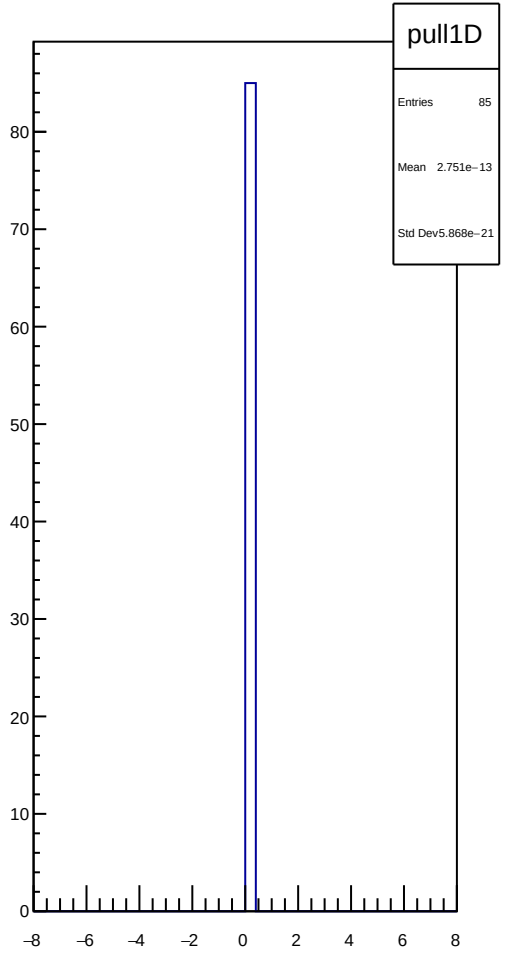

dit_atl2_4aX_slope vs run
χ^2 / ndf 4.736e−24 / 84
p0 −649.7 ± 0.7836
−642
−644
−646
−648
−650
−652
−654
−656
−658
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 85
Mean −2.36e−13
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

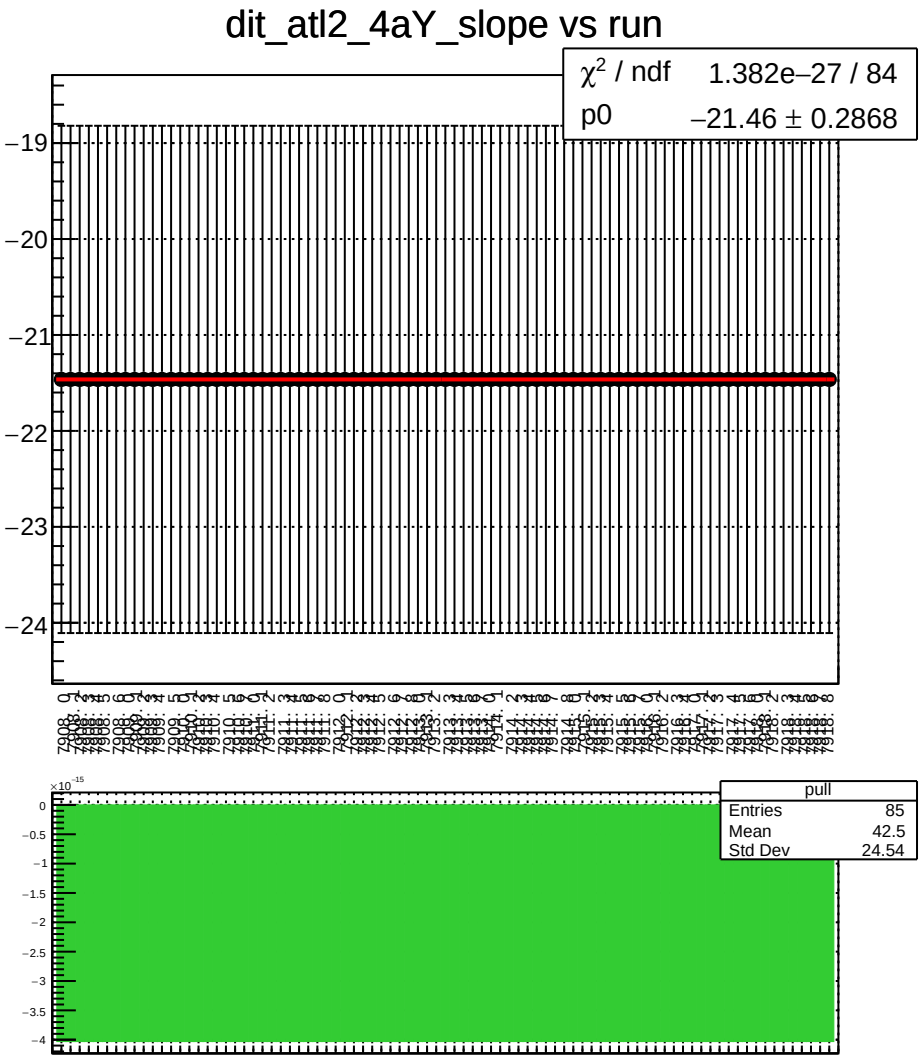
dit_atl2_4eX_slope vs run

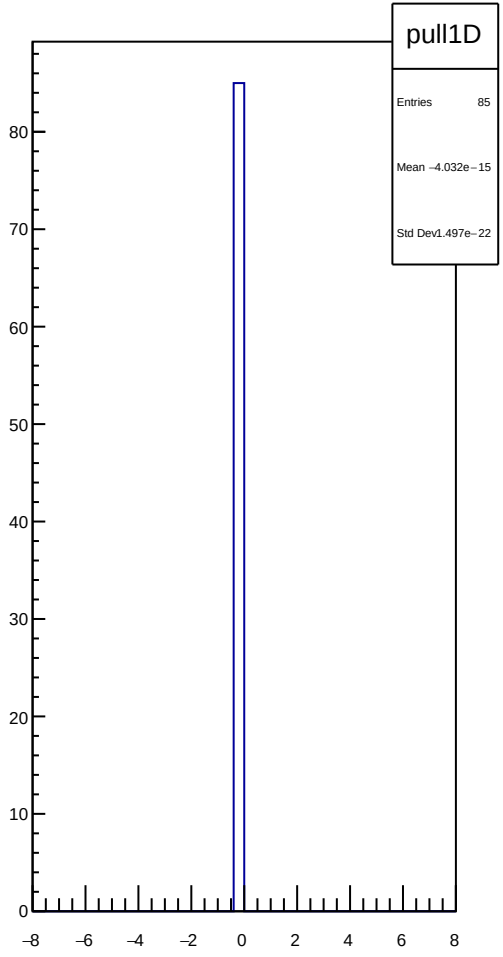


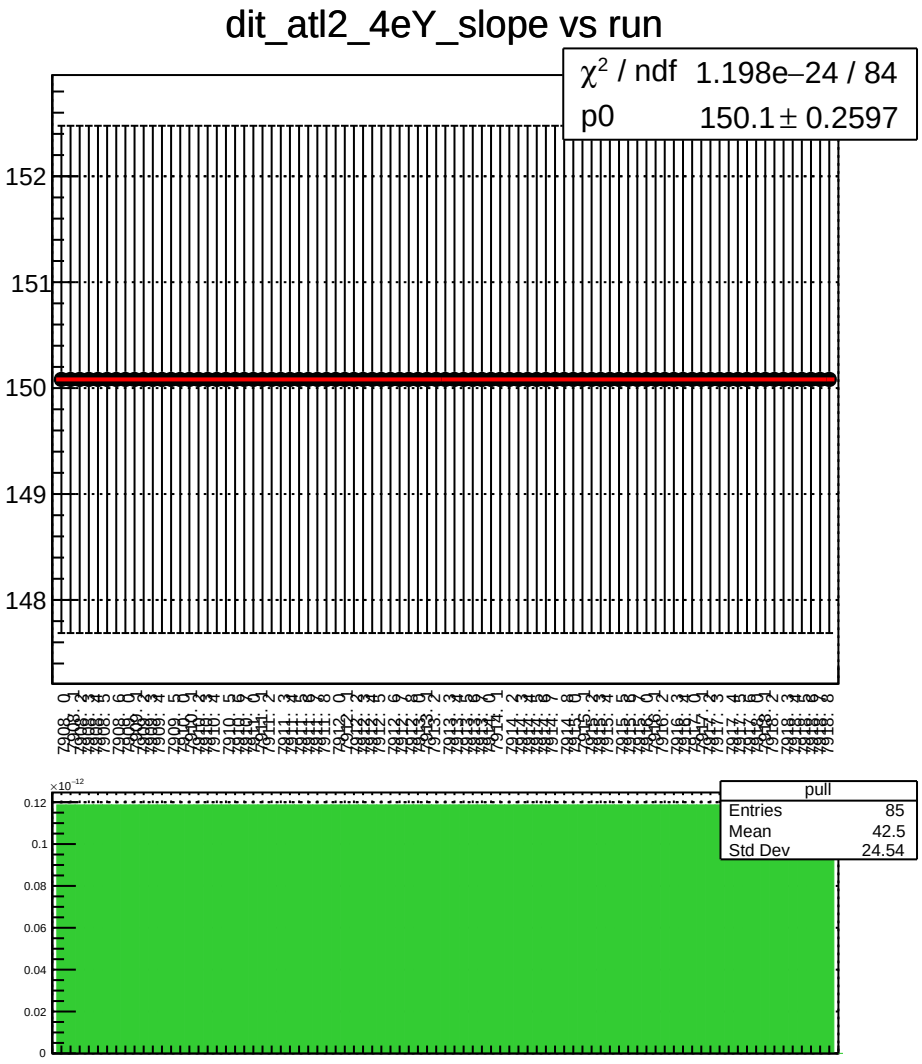


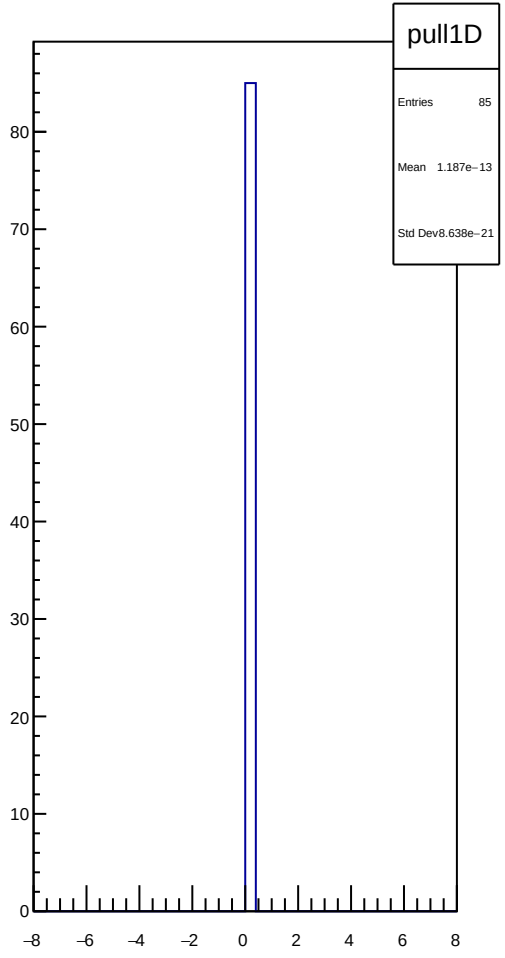

dit_atl2_11X12X_slope vs run
χ^2 / ndf 6.434e−24 / 84
p0 −256.5 ± 0.1121
−255.5
−256
−256.5
−257
−257.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0.25
0.2
0.15
0.1
0.05
0

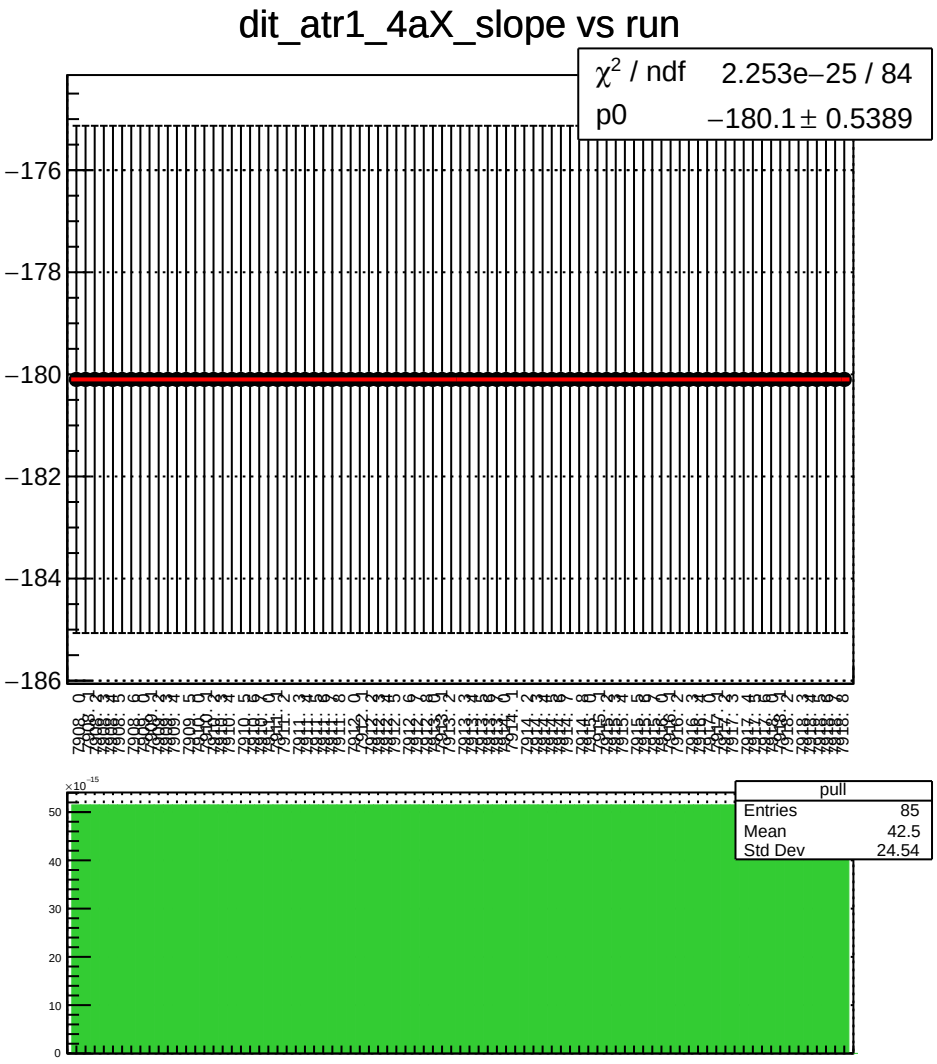

pull1D
Entries 85
Mean 2.751e−13
Std Dev 5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

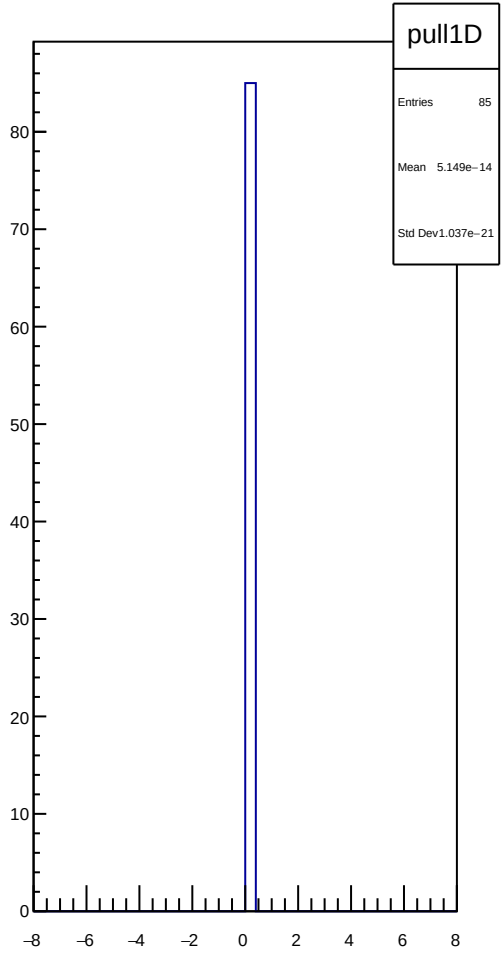

dit_atl2_4aY_slope vs run
χ^2 / ndf 1.382e−27 / 84
p0 −21.46 ± 0.2868
−19
−20
−21
−22
−23
−24
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

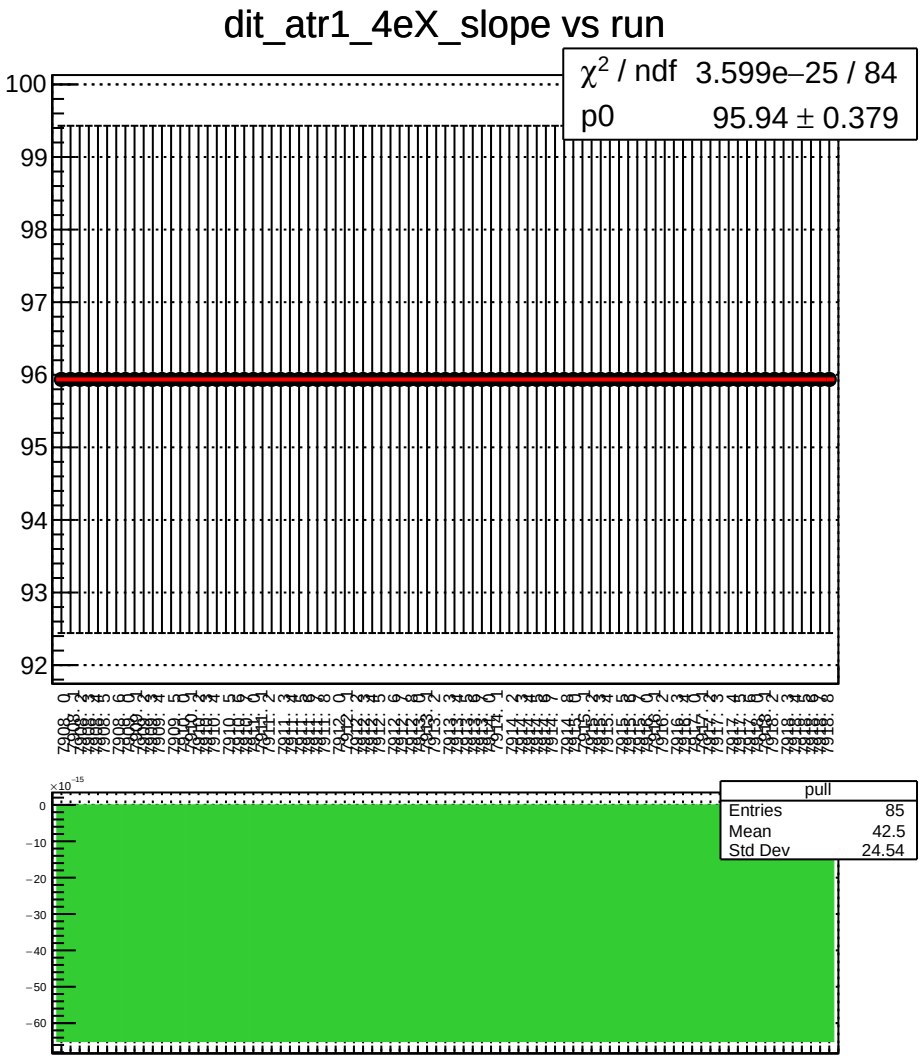

pull1D
Entries 85
Mean −4.032e−15
Std Dev1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

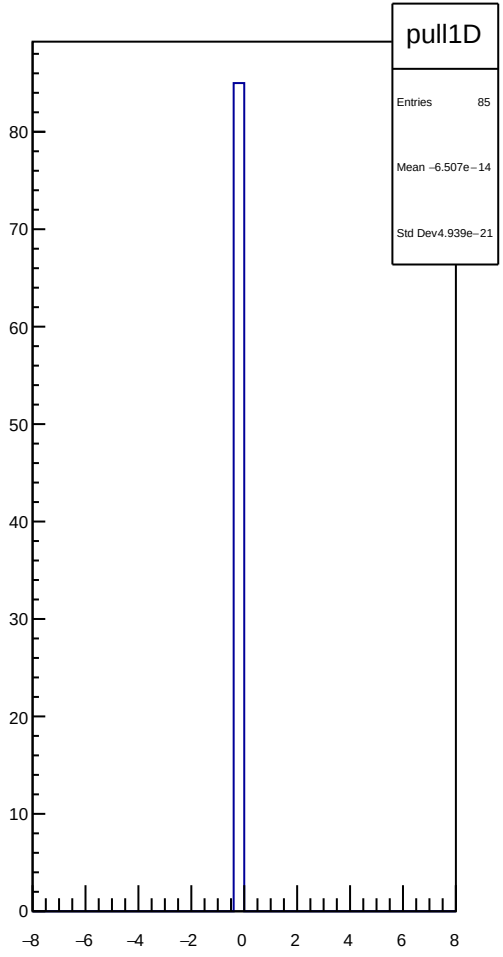

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.198e−24 / 84
p0 150.1 ± 0.2597
152
151
150
149
148
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0.12
0.1
0.08
0.06
0.04
0.02
0

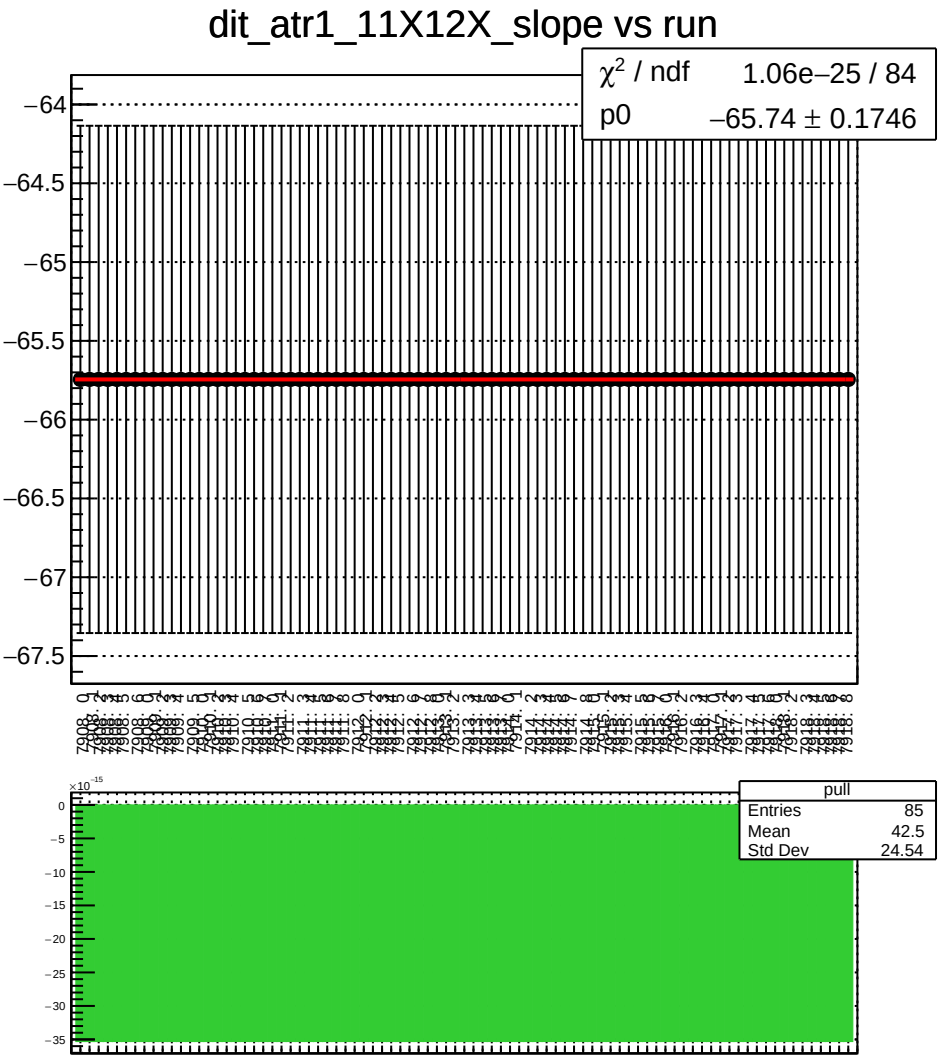

pull1D
Entries 85
Mean 1.187e−13
Std Dev8.638e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

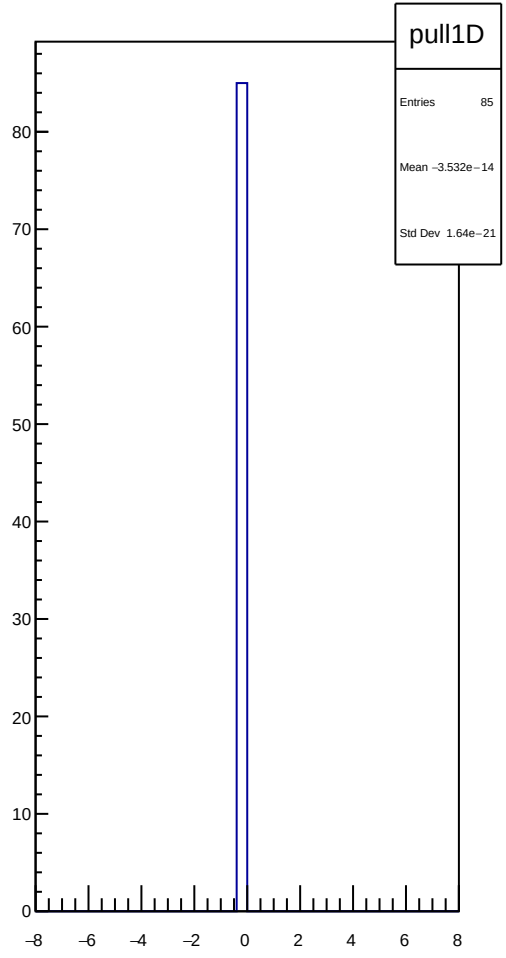

dit_atr1_4aX_slope vs run
χ^2 / ndf 2.253e−25 / 84
p0 −180.1 ± 0.5389
−176
−178
−180
−182
−184
−186
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
50
40
30
20
10
0

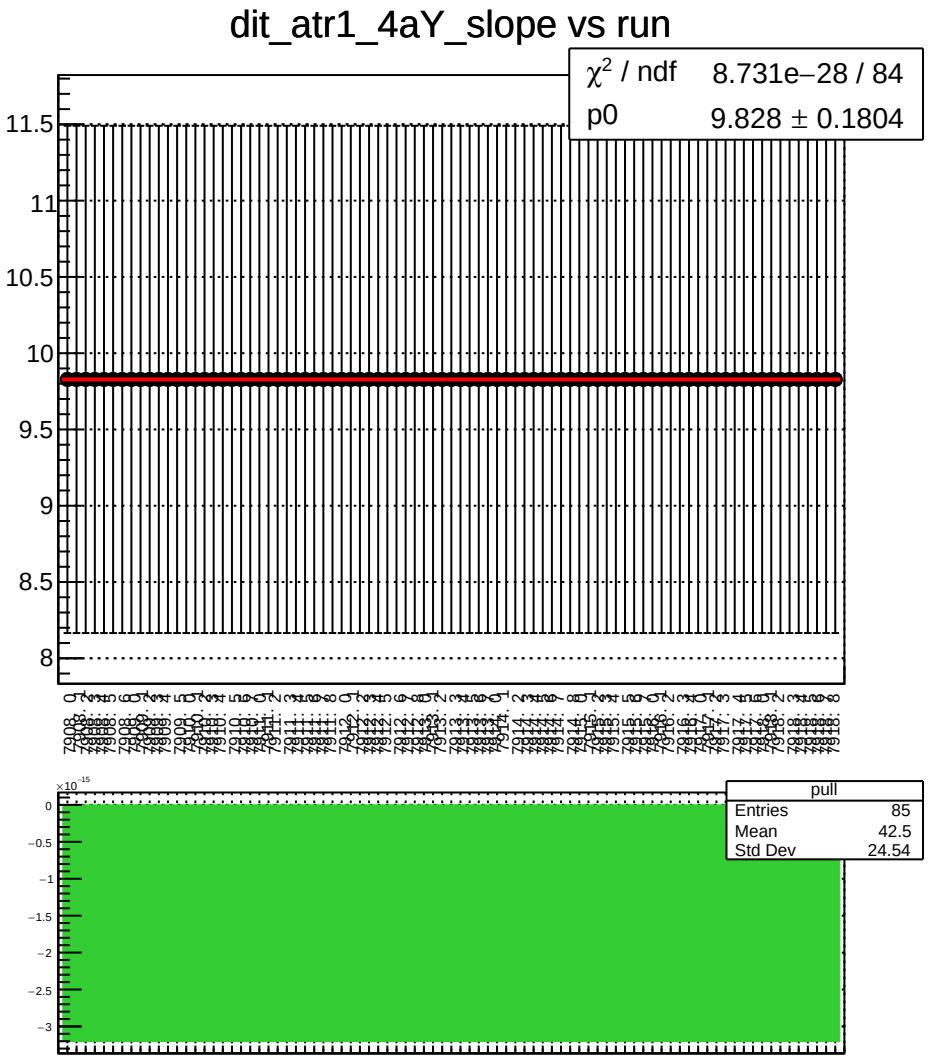

pull1D
Entries 85
Mean 5.149e−14
Std Dev 1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

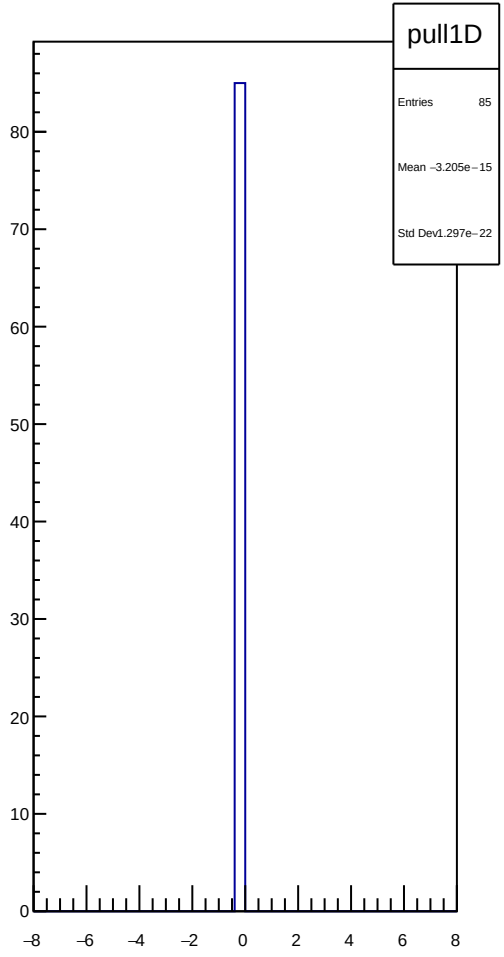

dit_atr1_4eX_slope vs run
χ^2 / ndf 3.599e−25 / 84
p0 95.94 ± 0.379
pull
Entries 85
Mean 42.5
Std Dev 24.54

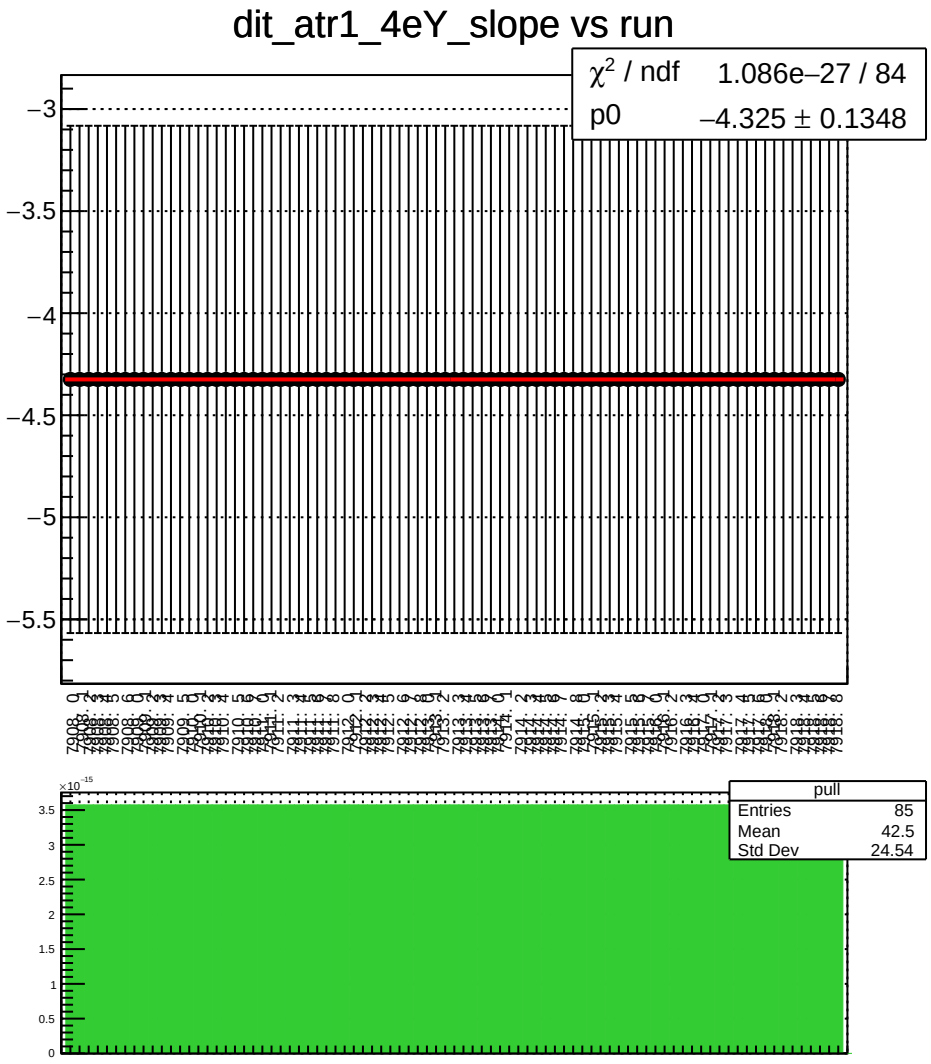

pull1D
Entries 85
Mean −6.507e−14
Std Dev4.939e−21

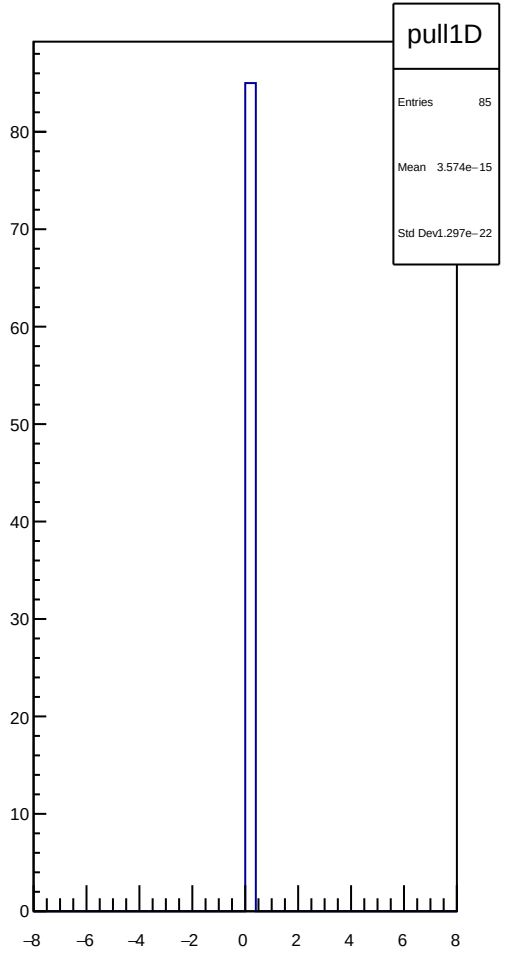

dit_atr1_11X12X_slope vs run
χ^2 / ndf 1.06e−25 / 84
p0 −65.74 ± 0.1746
−64
−64.5
−65
−65.5
−66
−66.5
−67
−67.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−5
−10
−15
−20
−25
−30
−35

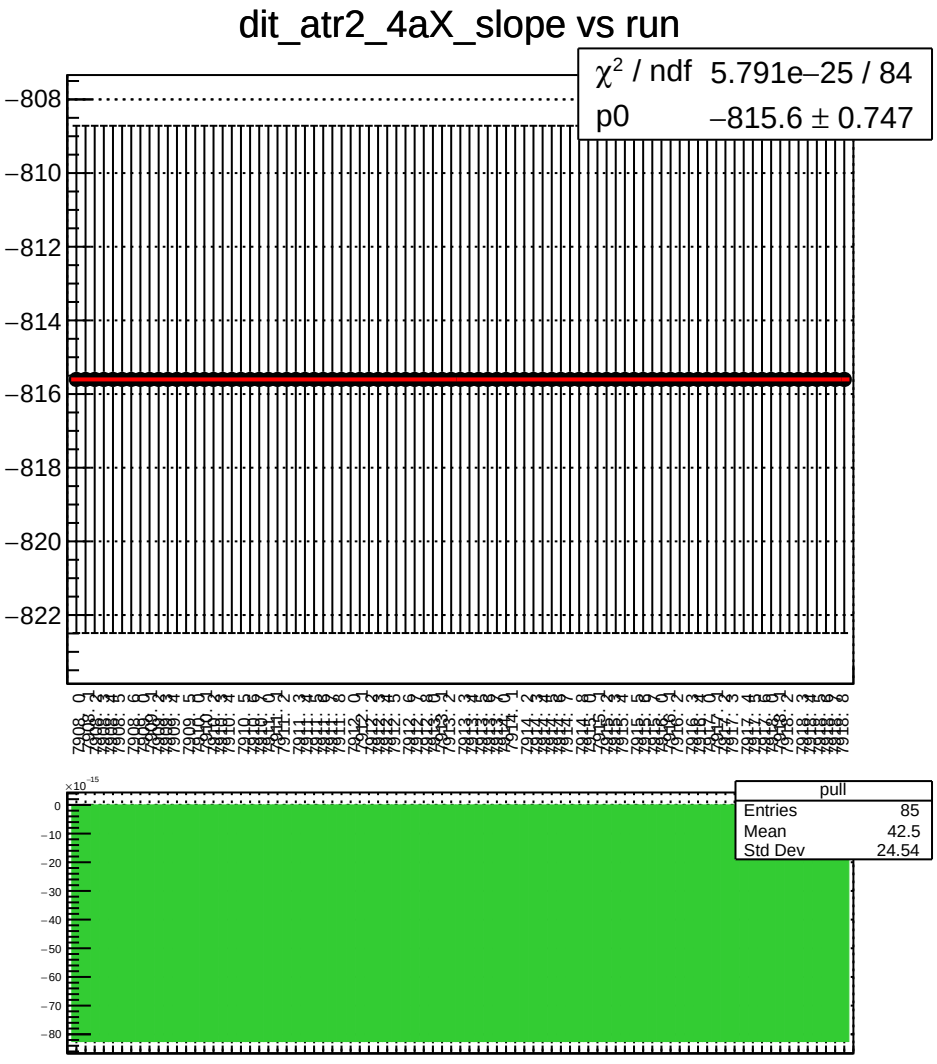

pull1D
Entries 85
Mean −3.532e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

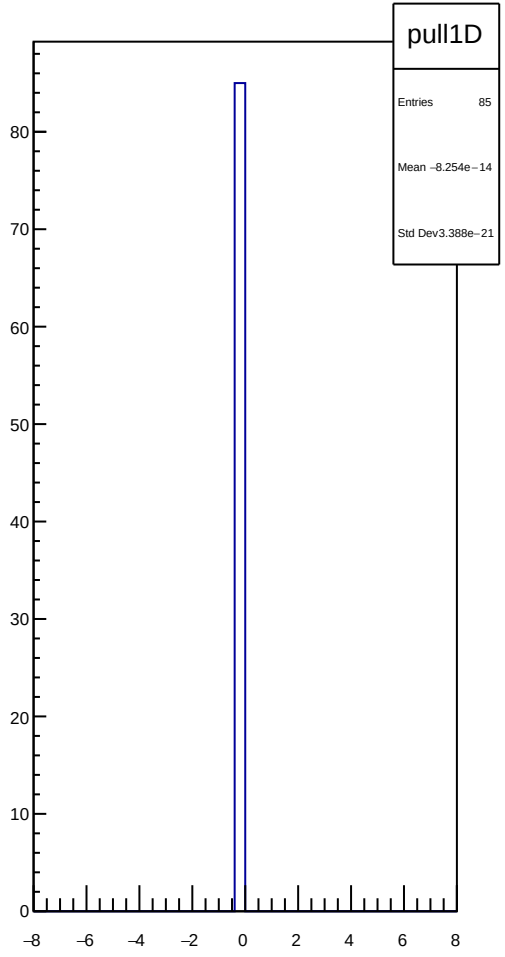

dit_atr1_4aY_slope vs run
χ^2 / ndf 8.731e−28 / 84
p0 9.828 ± 0.1804
pull
Entries 85
Mean 42.5
Std Dev 24.54

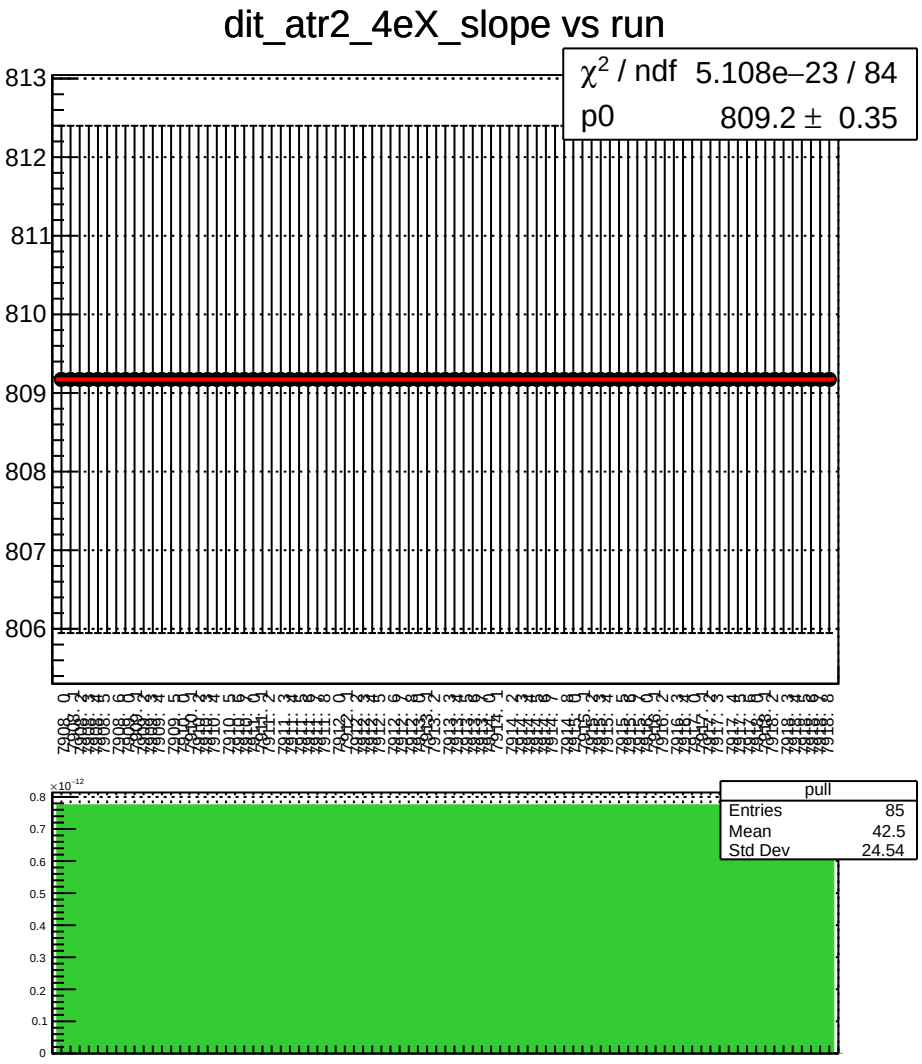

pull1D
Entries 85
Mean −3.205e−15
Std Dev1.297e−22

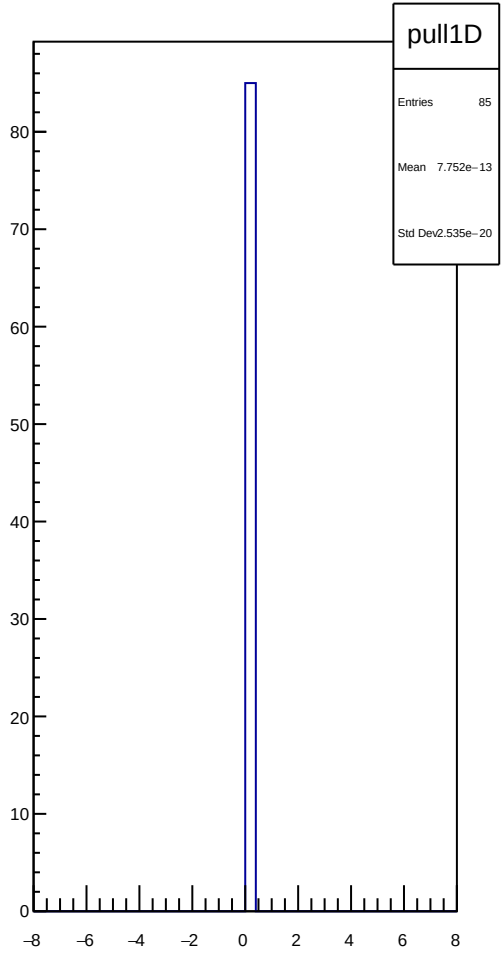

dit_atr1_4eY_slope vs run
χ^2 / ndf 1.086e−27 / 84
p0 −4.325 ± 0.1348
−3
−3.5
−4
−4.5
−5
−5.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
3.5
3
2.5
2
1.5
1
0.5
0

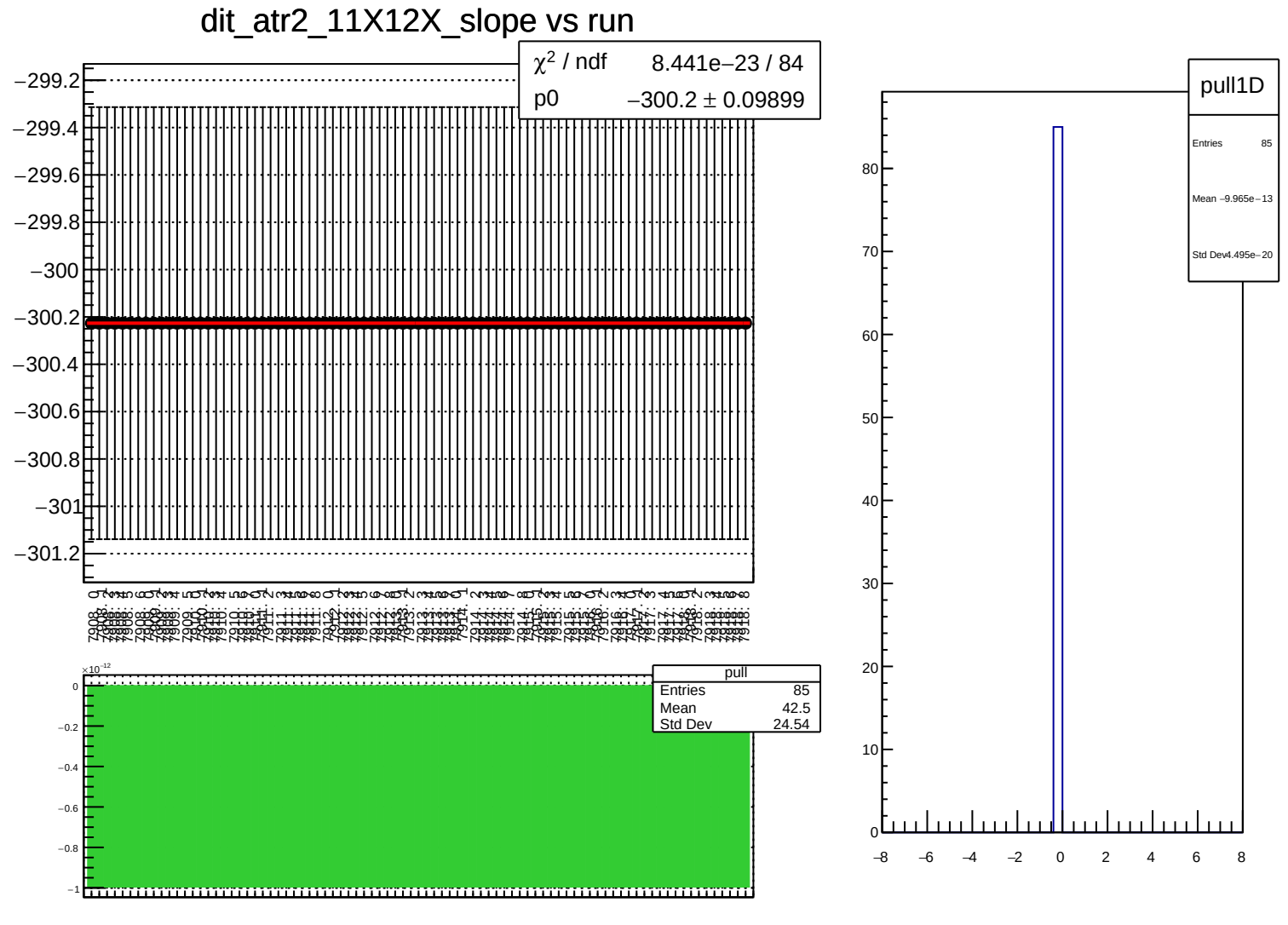

pull1D
Entries 85
Mean 3.574e−15
Std Dev 1.297e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

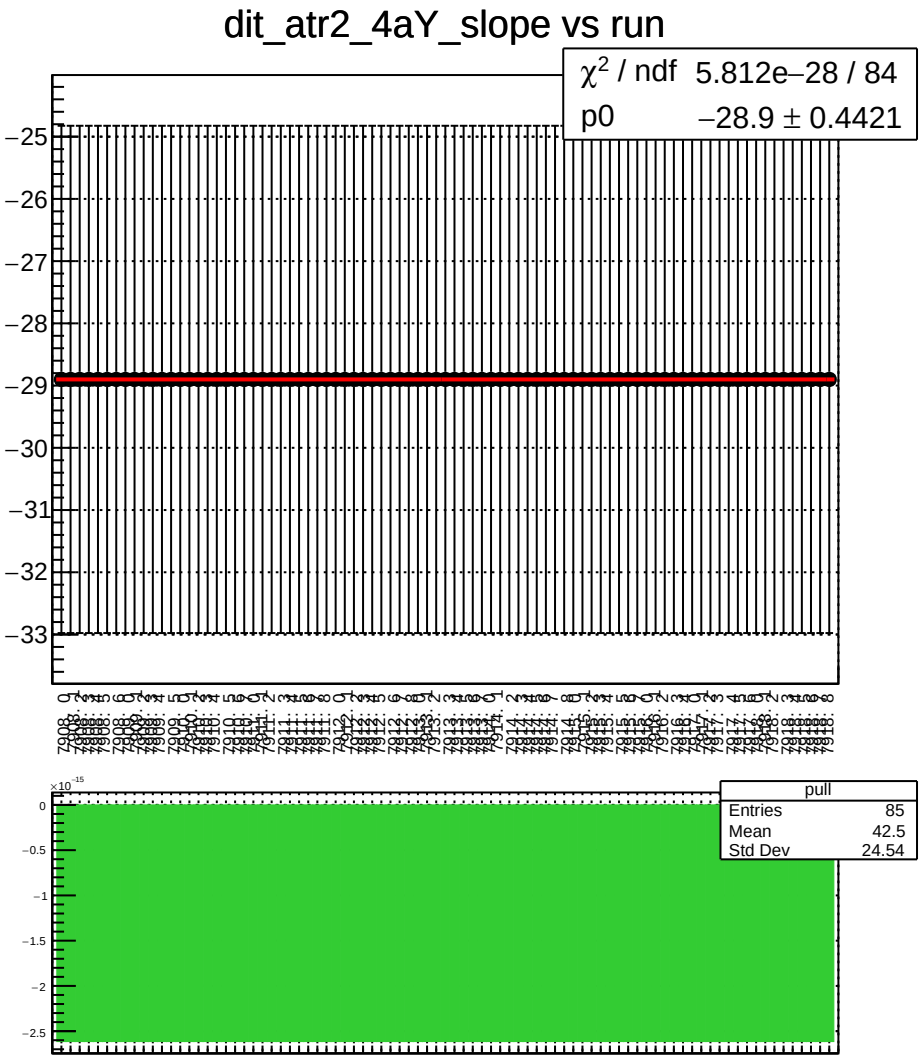

dit_atr2_4aX_slope vs run
χ^2 / ndf 5.791e−25 / 84
p0 −815.6 ± 0.747
−808
−810
−812
−814
−816
−818
−820
−822
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

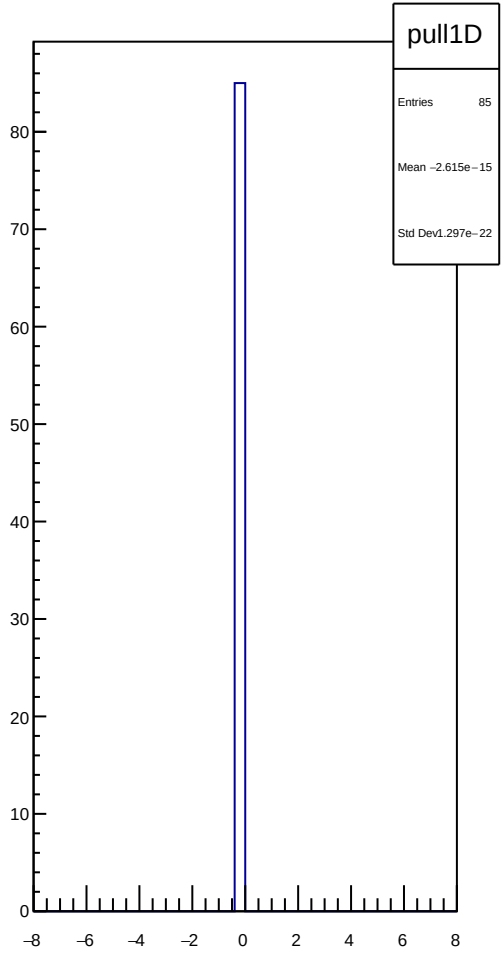

pull1D
Entries 85
Mean −8.254e−14
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

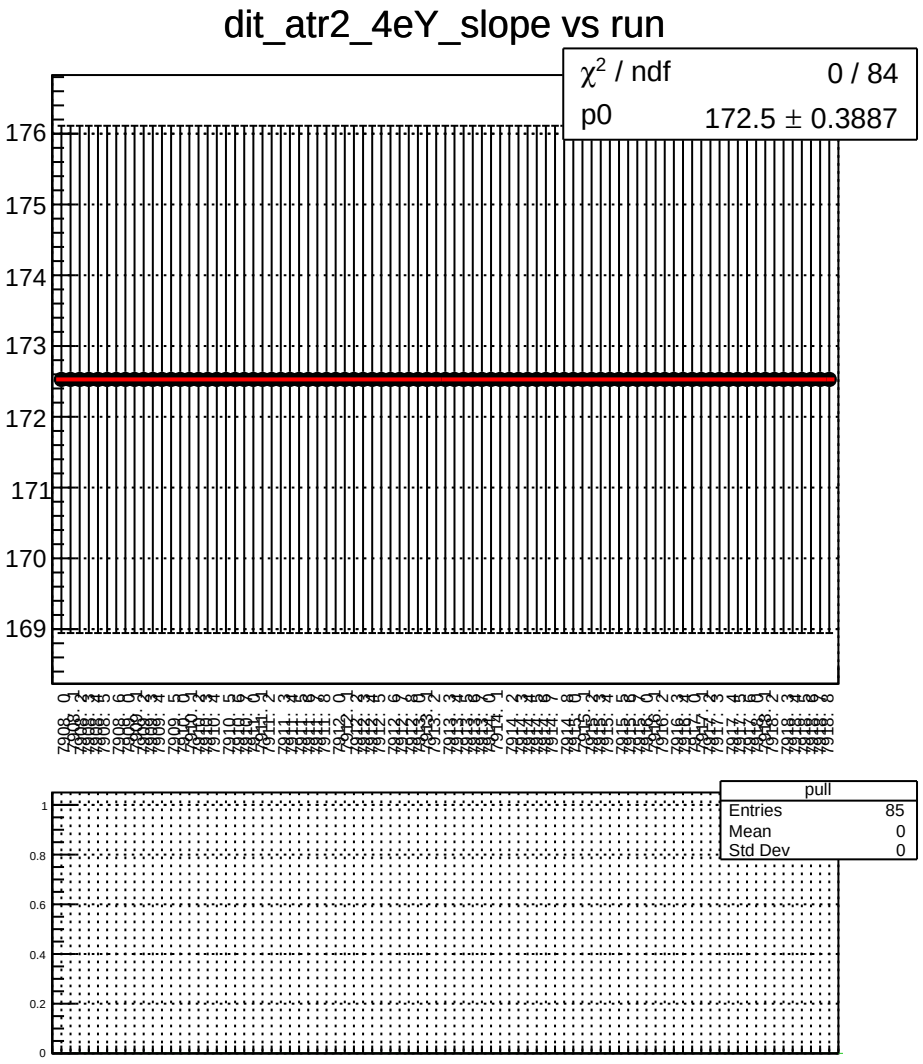

dit_atr2_4eX_slope vs run
χ² / ndf 5.108e−23 / 84
p0 809.2 ± 0.35
813
812
811
810
809
808
807
806
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

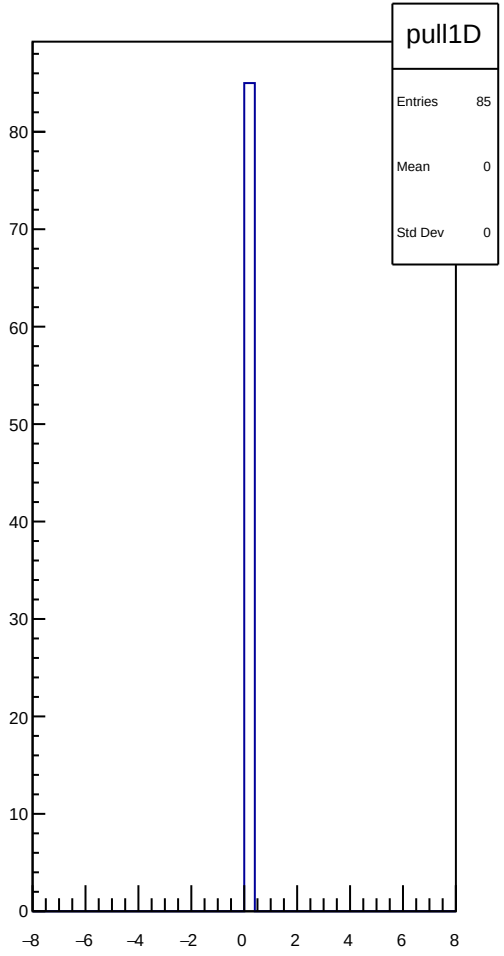

pull1D
Entries 85
Mean 7.752e−13
Std Dev 2.535e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

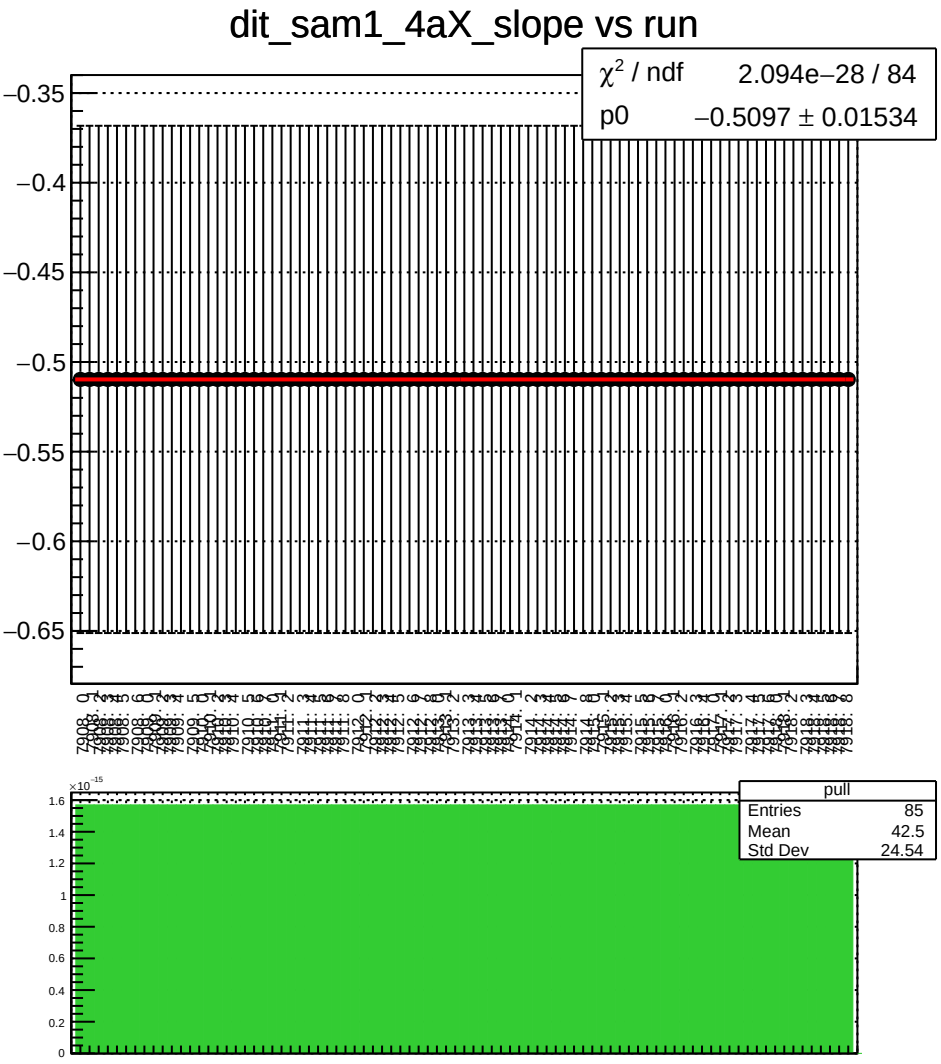

dit_atr2_11X12X_slope vs run
χ^2 / ndf 8.441e−23 / 84
p0 −300.2 ± 0.09899
−299.2
−299.4
−299.6
−299.8
−300
−300.2
−300.4
−300.6
−300.8
−301
−301.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 85
Mean −9.965e−13
Std Dev4.495e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

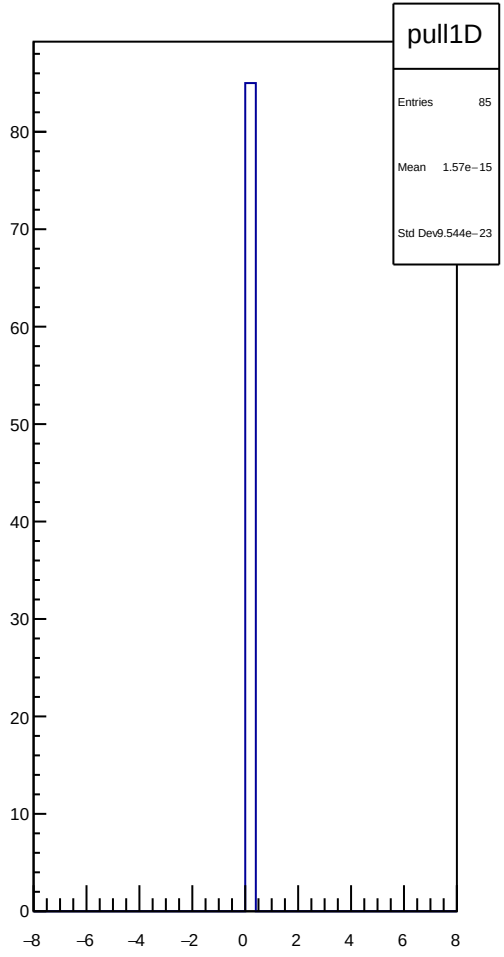

dit_atr2_4aY_slope vs run
χ^2 / ndf 5.812e−28 / 84
p0 −28.9 ± 0.4421
pull
Entries 85
Mean 42.5
Std Dev 24.54

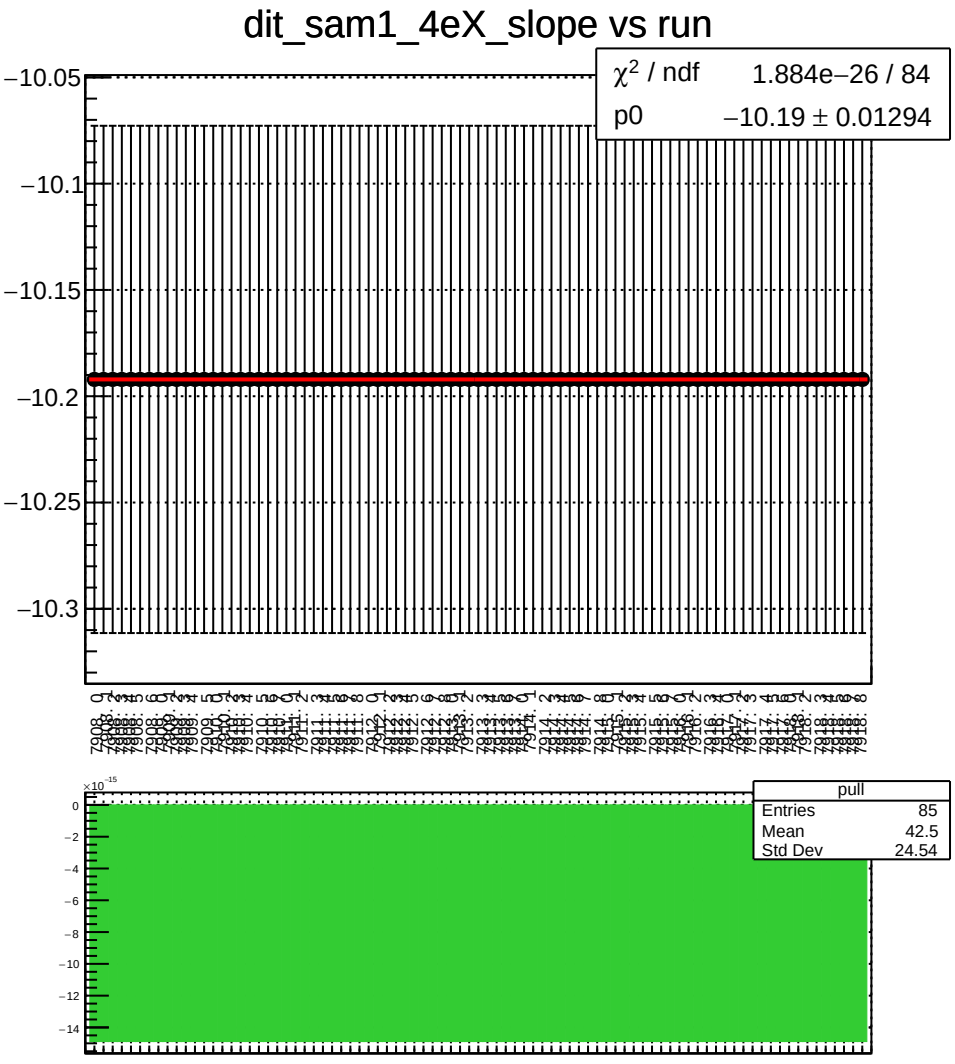

pull1D
Entries 85
Mean −2.615e−15
Std Dev1.297e−22

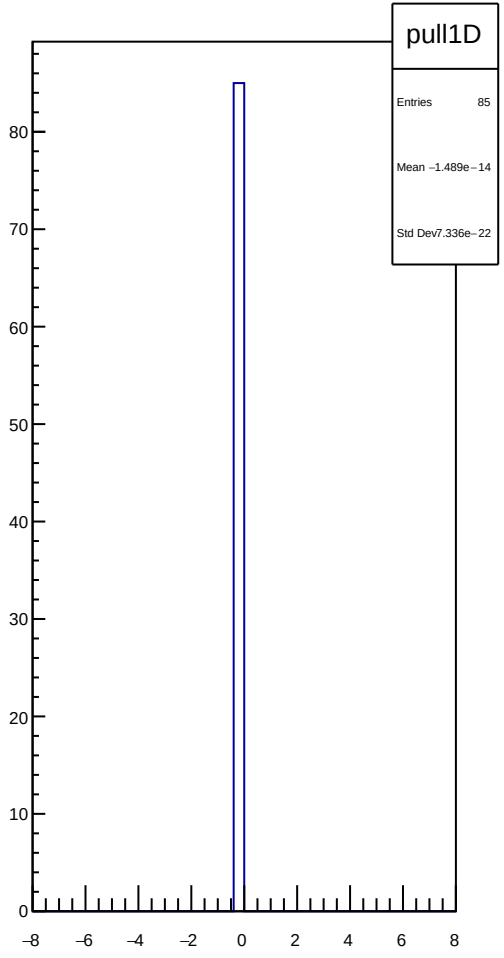

dit_atr2_4eY_slope vs run
χ^2 / ndf 0 / 84
p0 172.5 ± 0.3887
176
175
174
173
172
171
170
169
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

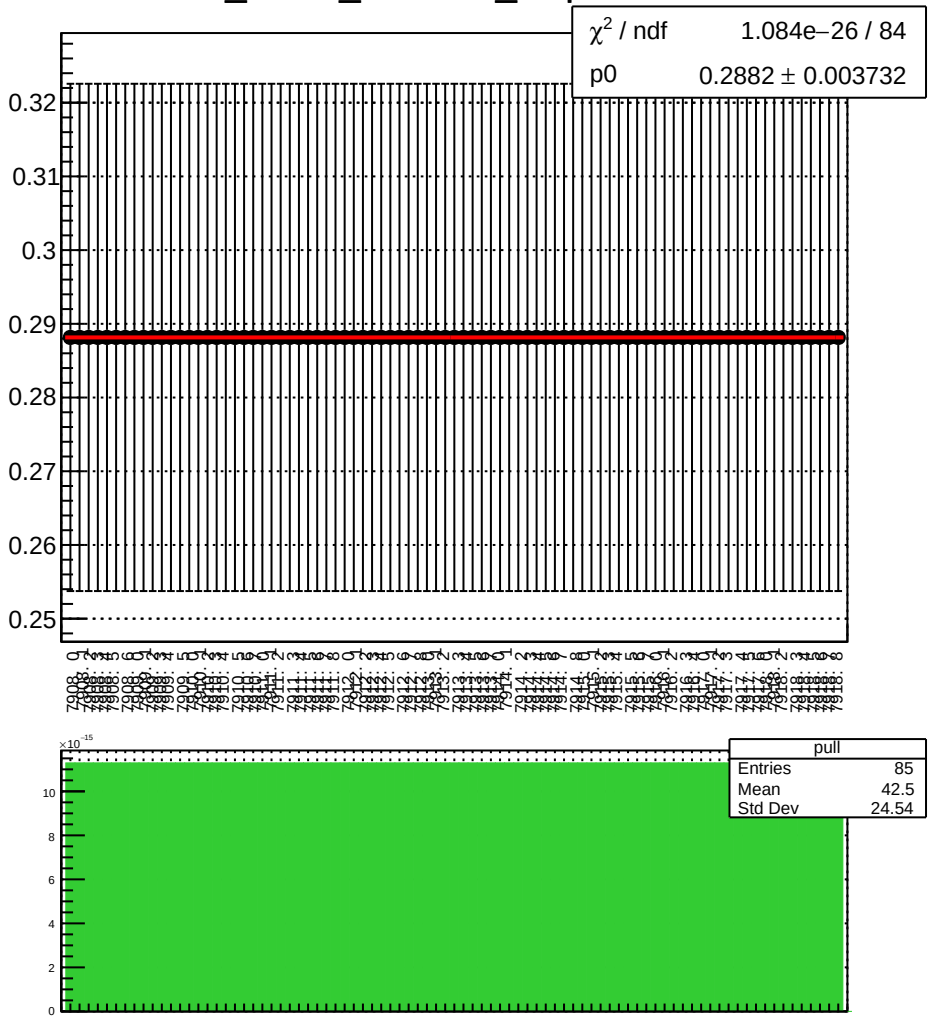

dit_sam1_4aX_slope vs run
χ² / ndf 2.094e−28 / 84
p0 −0.5097 ± 0.01534
−0.35
−0.4
−0.45
−0.5
−0.55
−0.6
−0.65
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

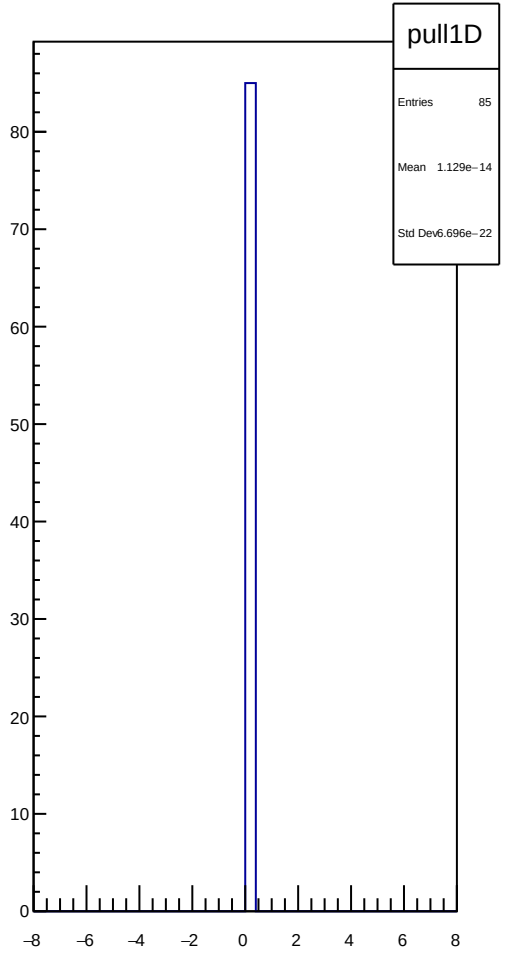

pull1D
Entries 85
Mean 1.57e−15
Std Dev 9.544e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_4eX_slope vs run
χ^2 / ndf 1.884e−26 / 84
p0 −10.19 ± 0.01294
−10.05
−10.1
−10.15
−10.2
−10.25
−10.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−2
−4
−6
−8
−10
−12
−14

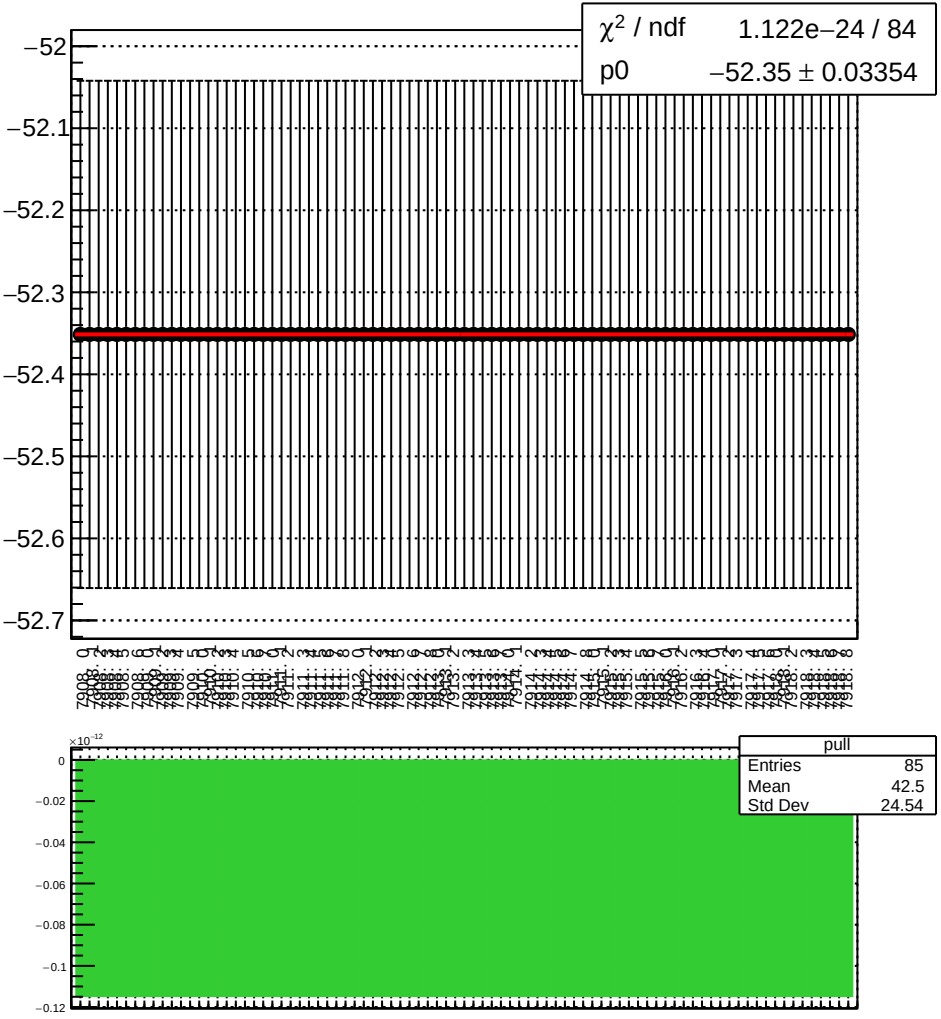

pull1D
Entries 85
Mean −1.489e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

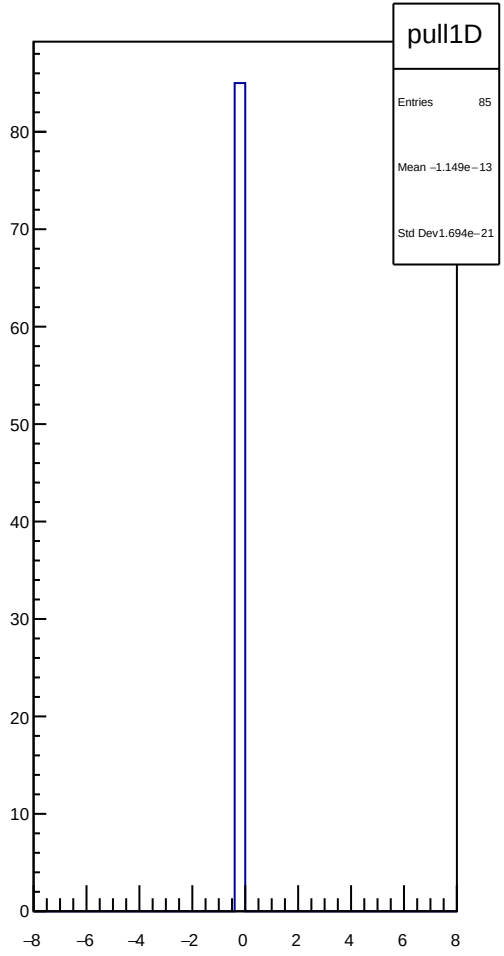
dit_sam1_11X12X_slope vs run

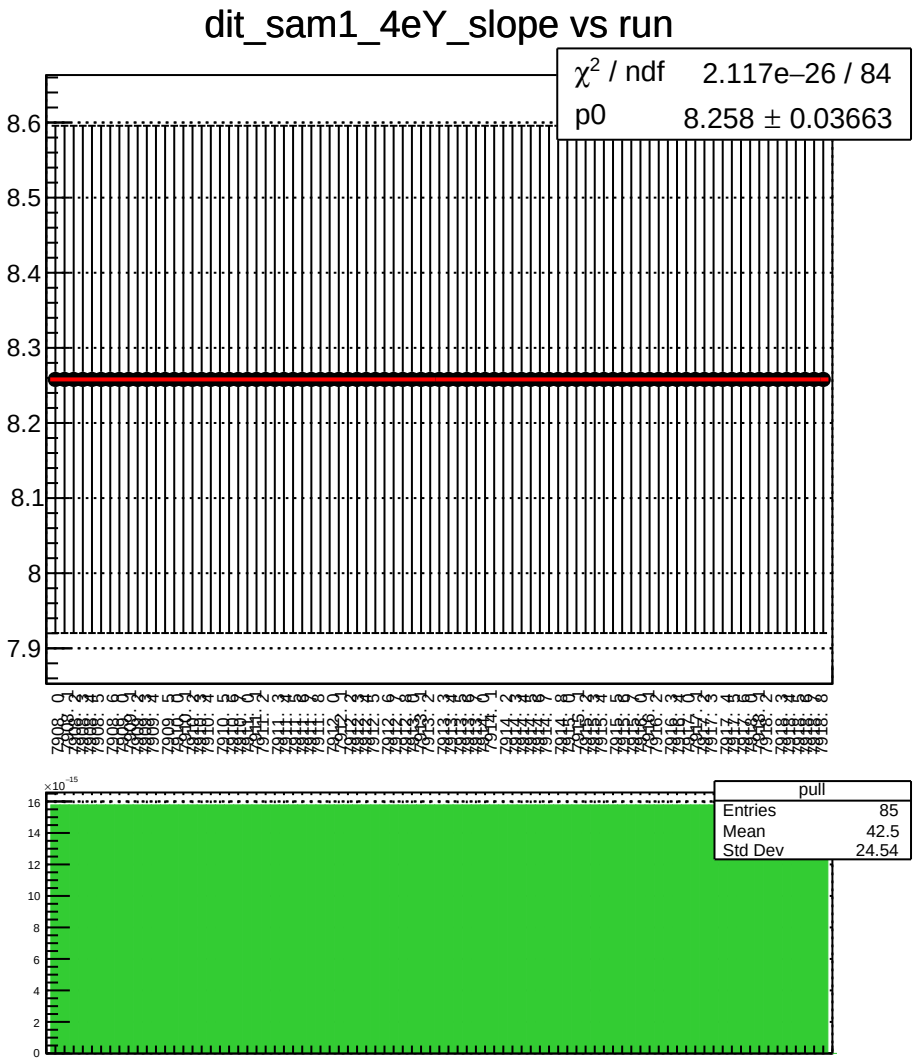


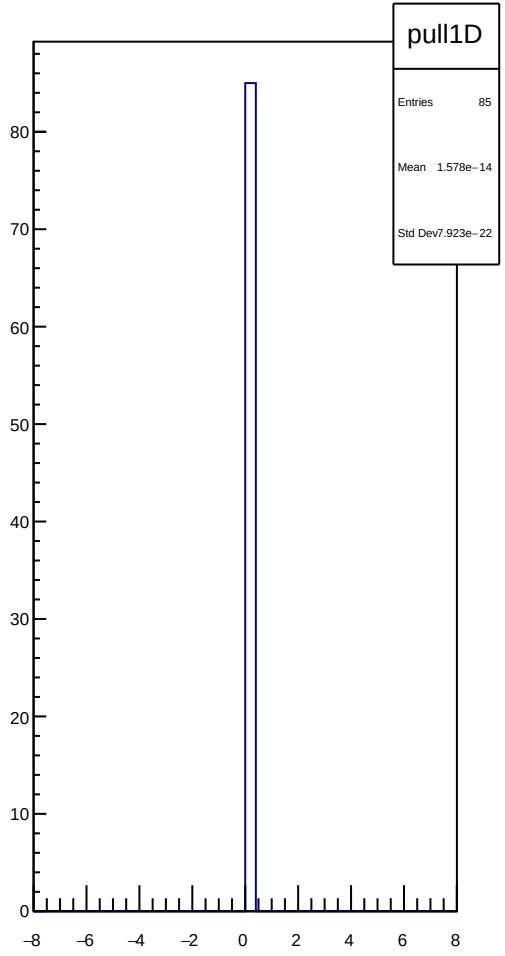


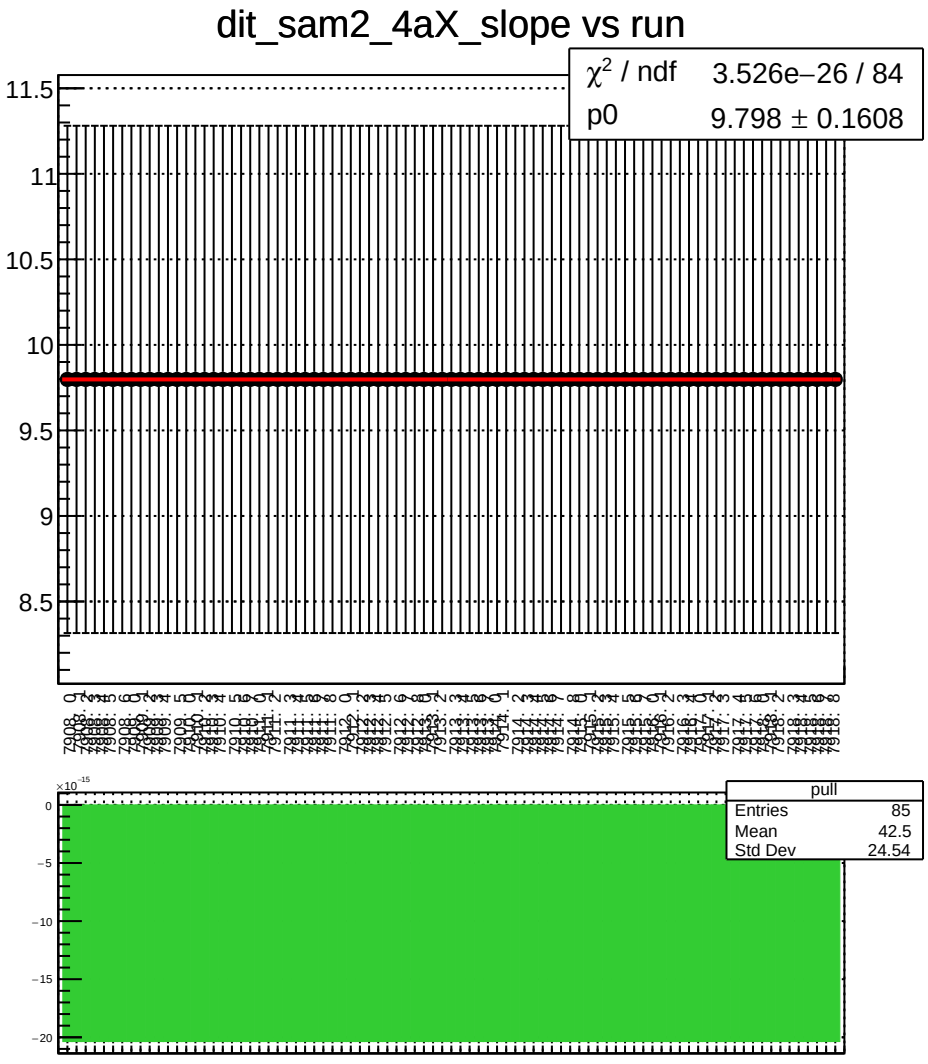
dit_sam1_4aY_slope vs run

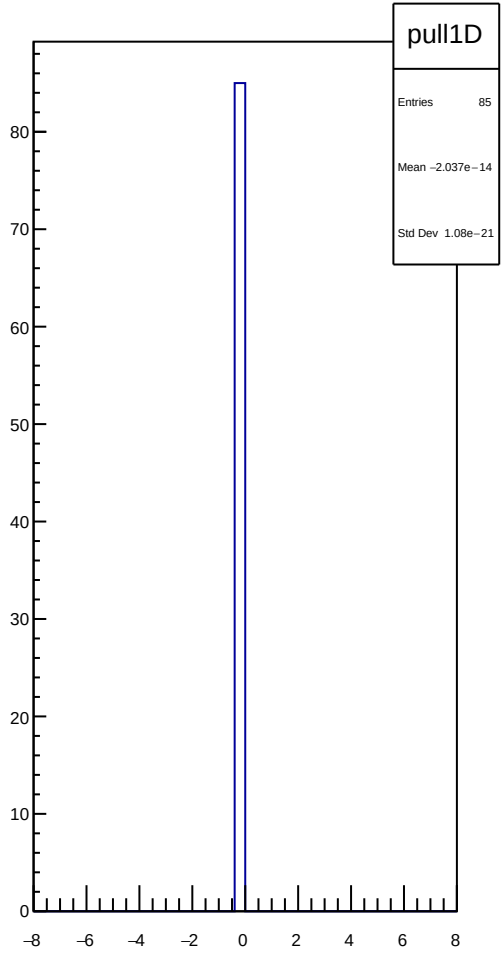


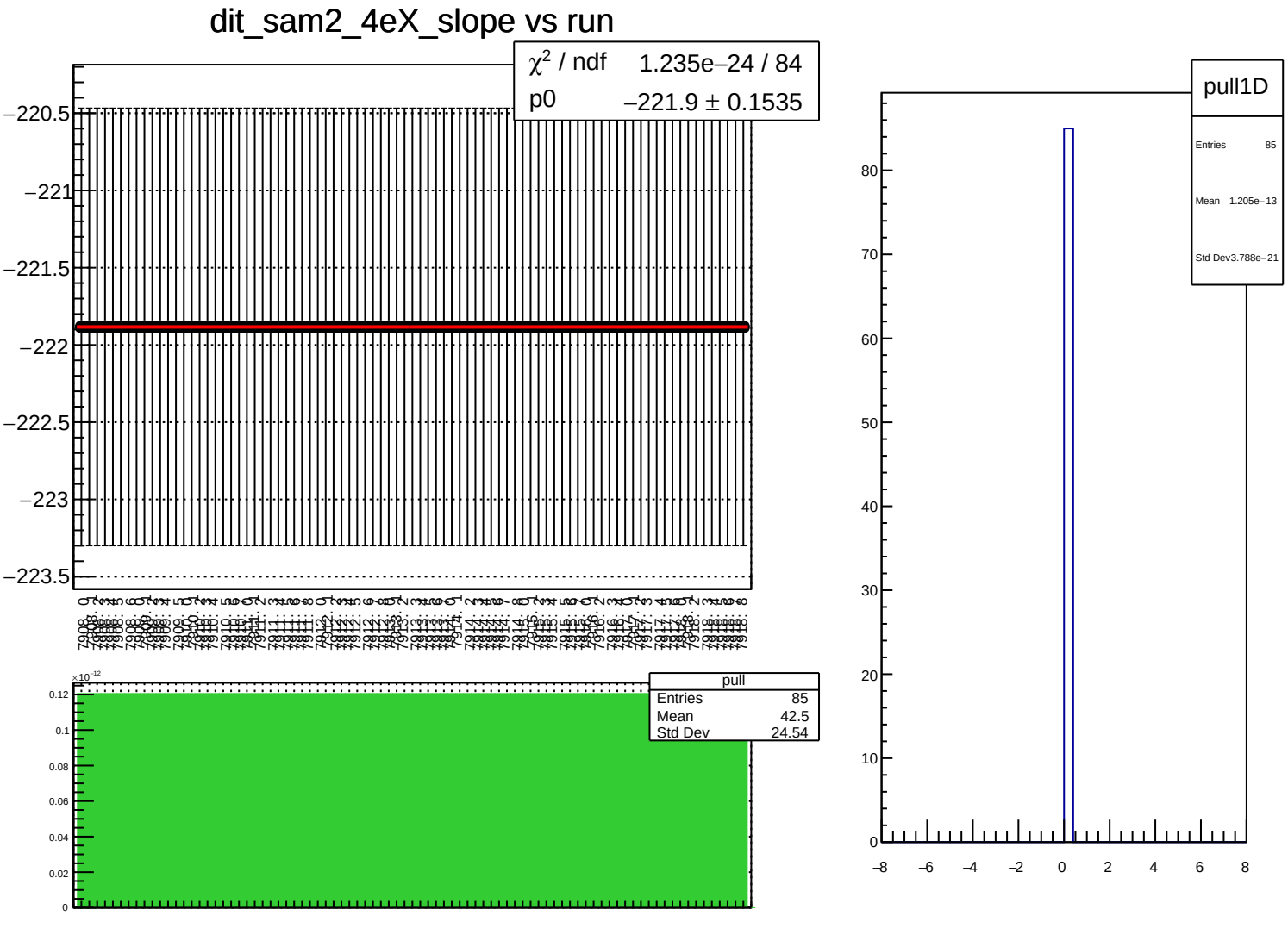



dit_sam1_4eY_slope vs run
χ^2 / ndf 2.117e−26 / 84
p0 8.258 ± 0.03663
8.6
8.5
8.4
8.3
8.2
8.1
8
7.9
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
16
14
12
10
8
6
4
2
0

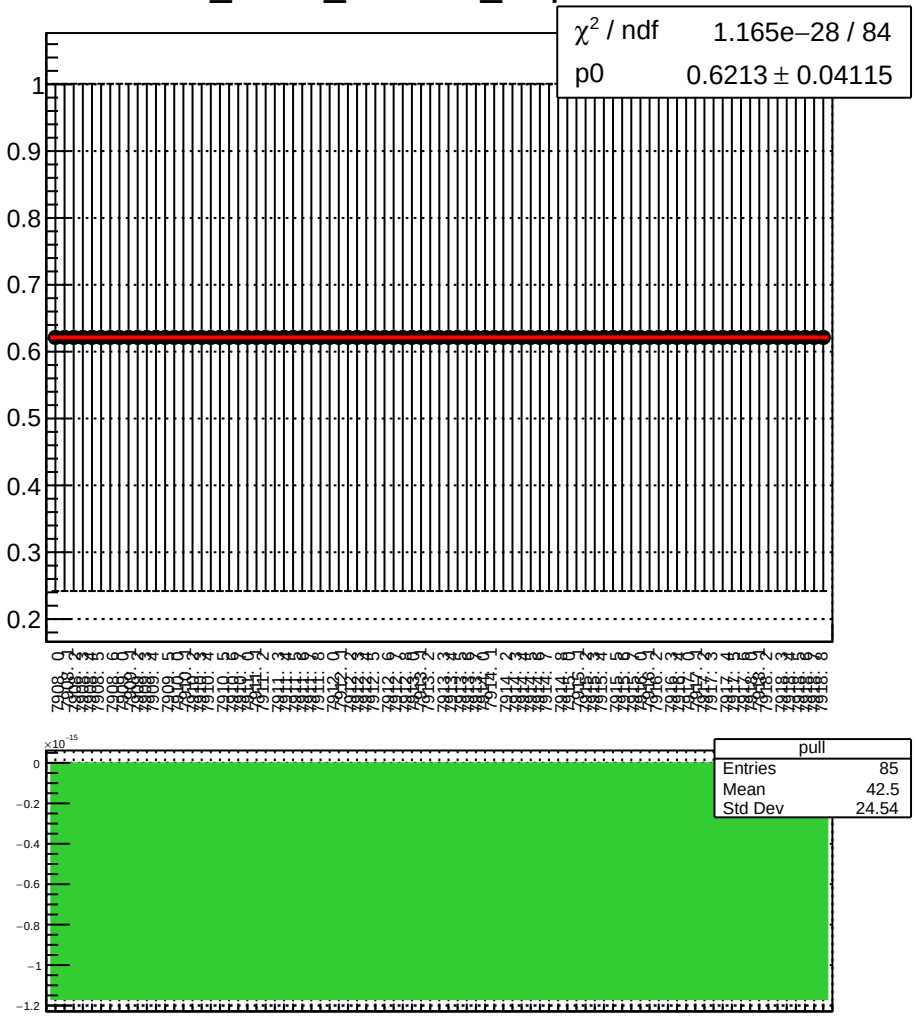

pull1D
Entries 85
Mean 1.578e−14
Std Dev7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

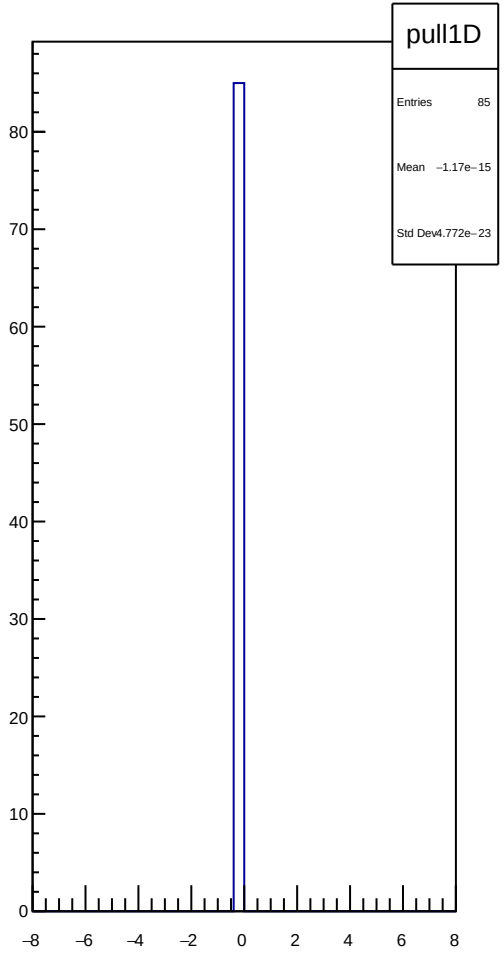

dit_sam2_4aX_slope vs run
χ^2 / ndf 3.526e−26 / 84
p0 9.798 ± 0.1608
11.5
11
10.5
10
9.5
9
8.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−5
−10
−15
−20

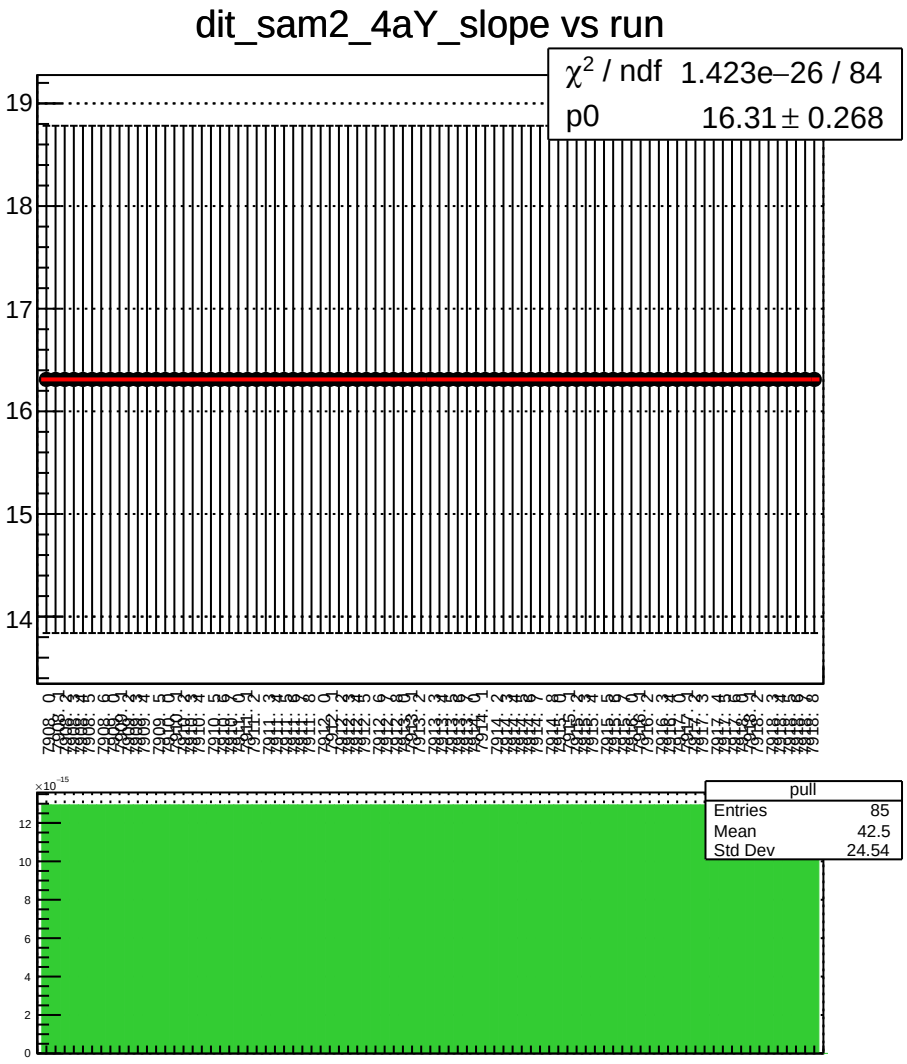

pull1D
Entries 85
Mean −2.037e−14
Std Dev 1.08e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

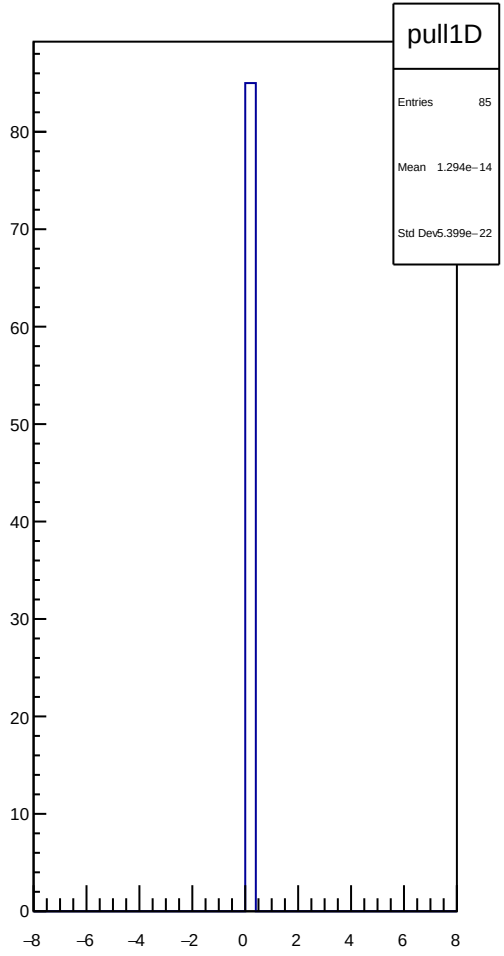

dit_sam2_4eX_slope vs run
χ² / ndf 1.235e−24 / 84
p0 −221.9 ± 0.1535
−220.5
−221
−221.5
−222
−222.5
−223
−223.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 1.205e−13
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

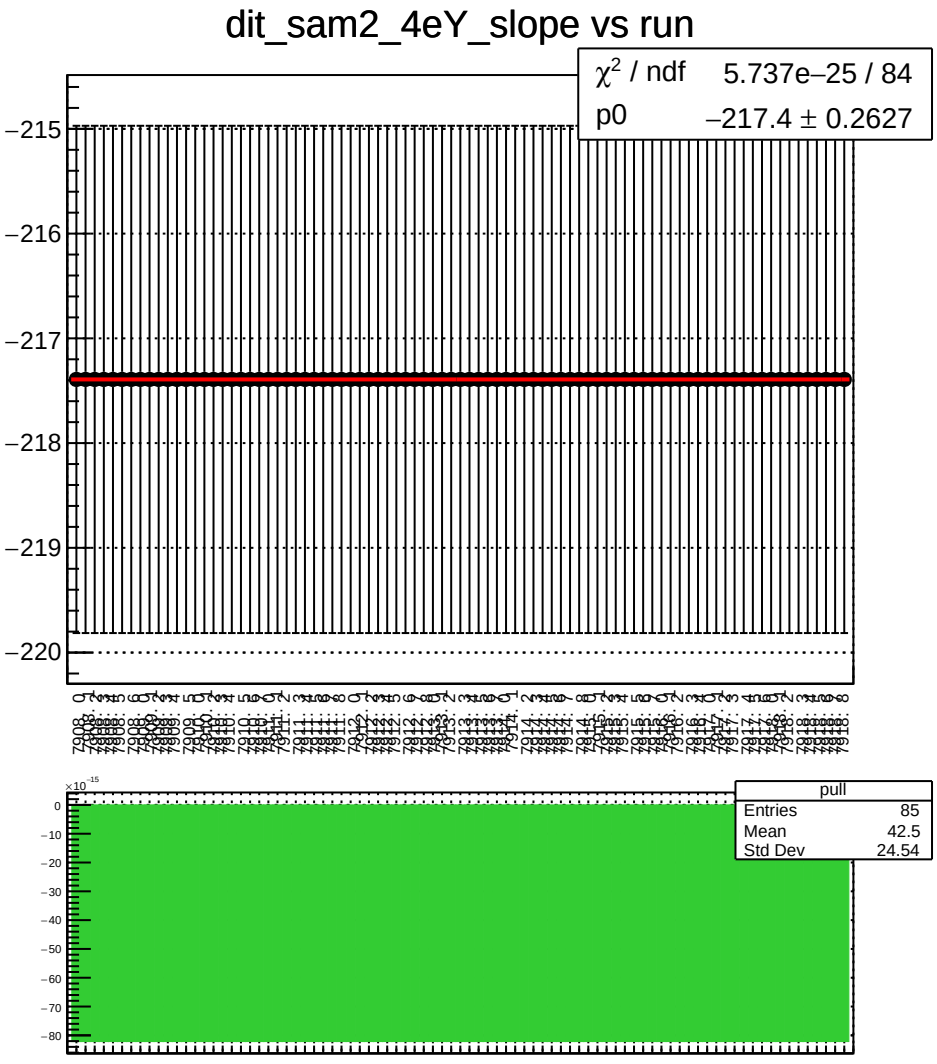
dit_sam2_11X12X_slope vs run

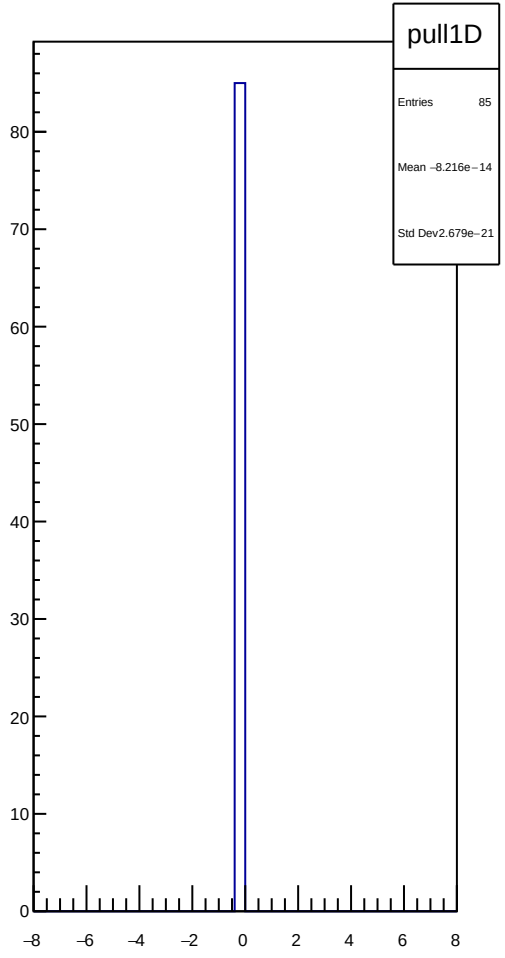


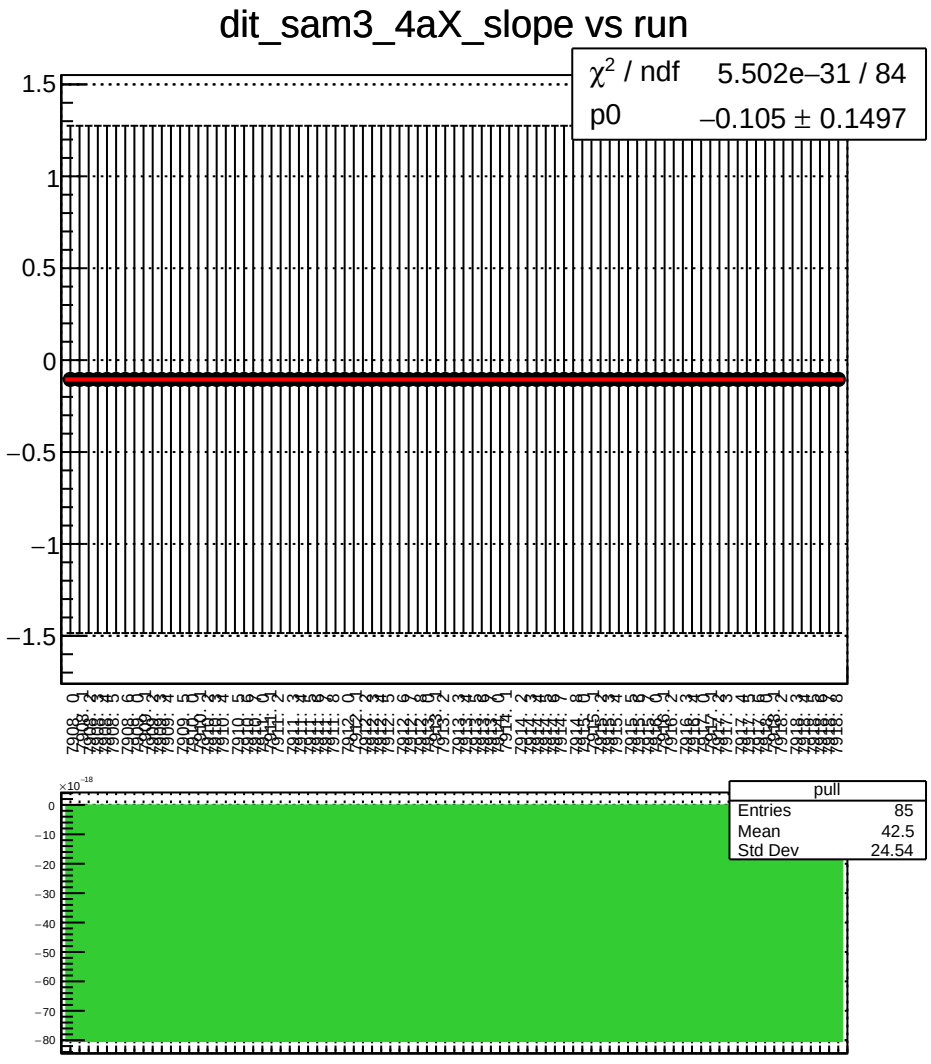


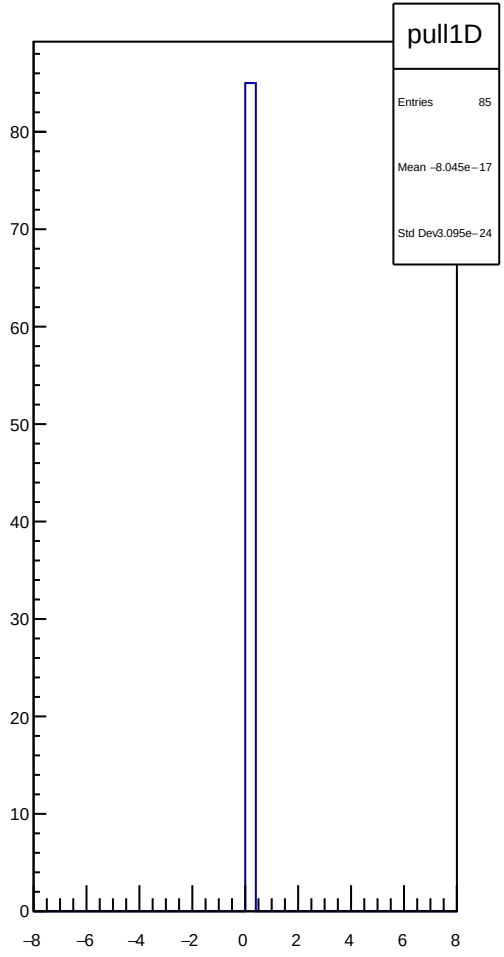

dit_sam2_4aY_slope vs run
χ^2 / ndf 1.423e−26 / 84
p0 16.31 ± 0.268
pull
Entries 85
Mean 42.5
Std Dev 24.54

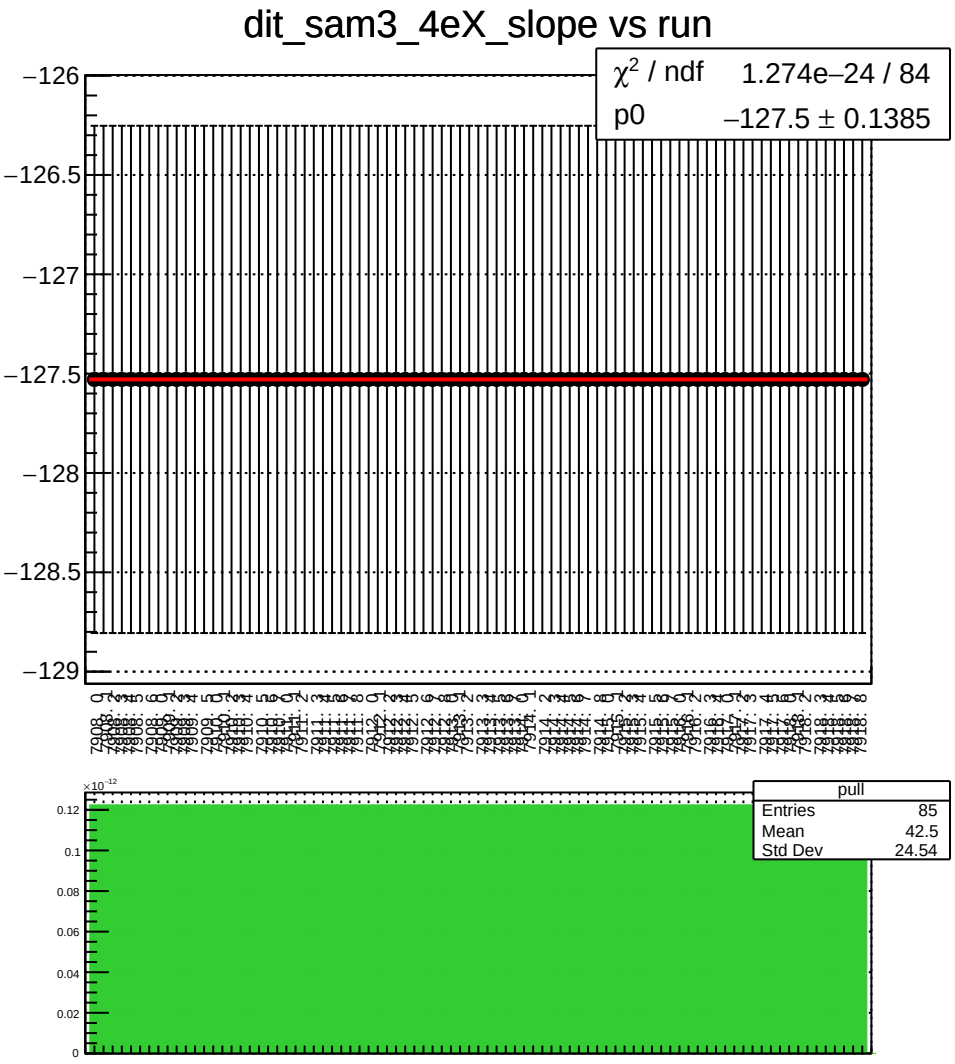

pull1D
Entries 85
Mean 1.294e−14
Std Dev 5.399e−22

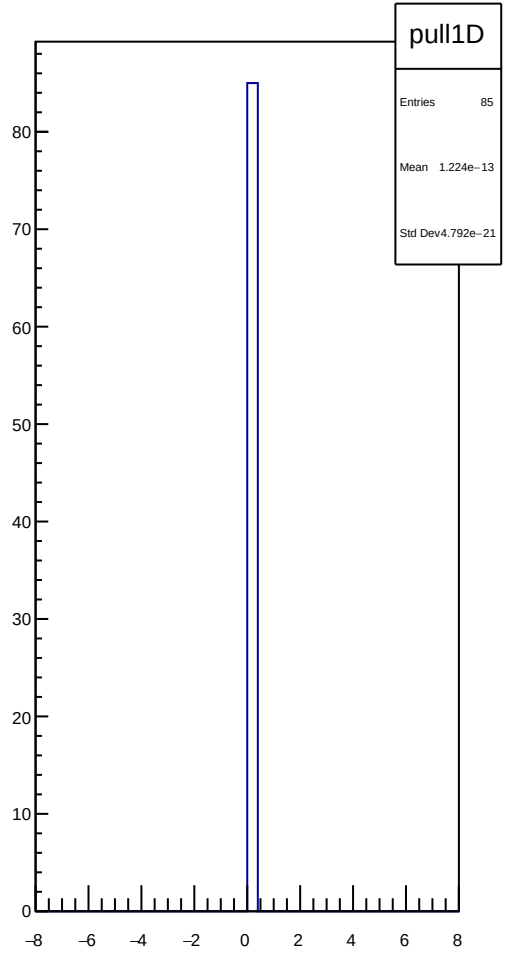

dit_sam2_4eY_slope vs run
χ2 / ndf 5.737e−25 / 84
p0 −217.4 ± 0.2627
−215
−216
−217
−218
−219
−220
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10−15
0
−10
−20
−30
−40
−50
−60
−70
−80


pull1D
Entries 85
Mean −8.216e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

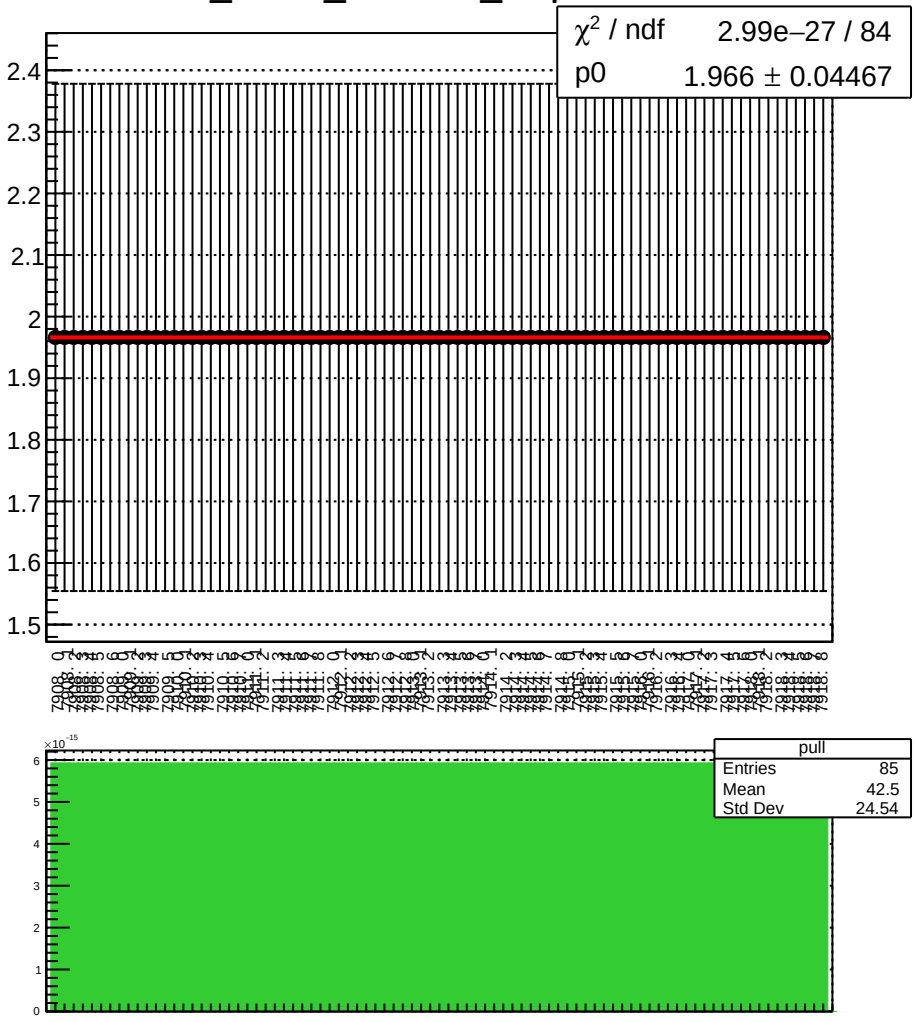

dit_sam3_4aX_slope vs run
χ² / ndf 5.502e−31 / 84
p0 −0.105 ± 0.1497
pull
Entries 85
Mean 42.5
Std Dev 24.54

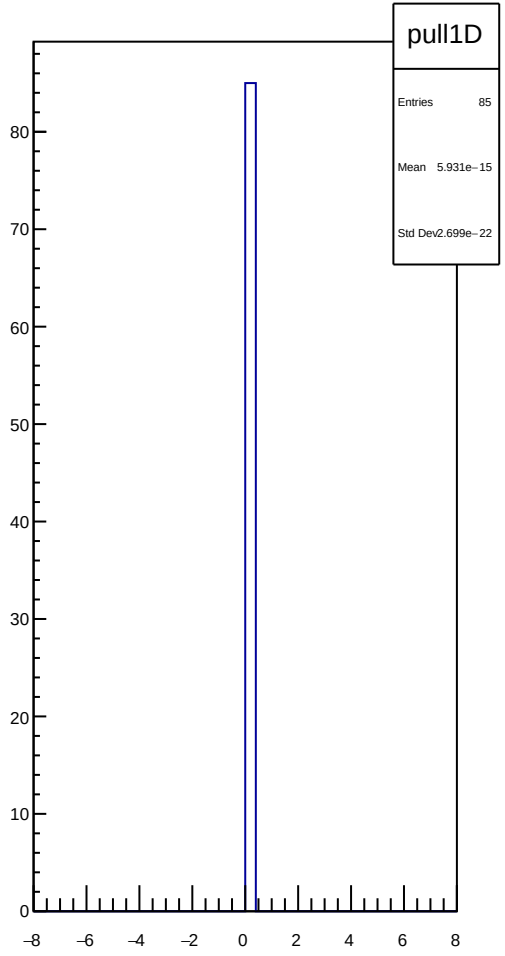

pull1D
Entries 85
Mean −8.045e−17
Std Dev 3.095e−24

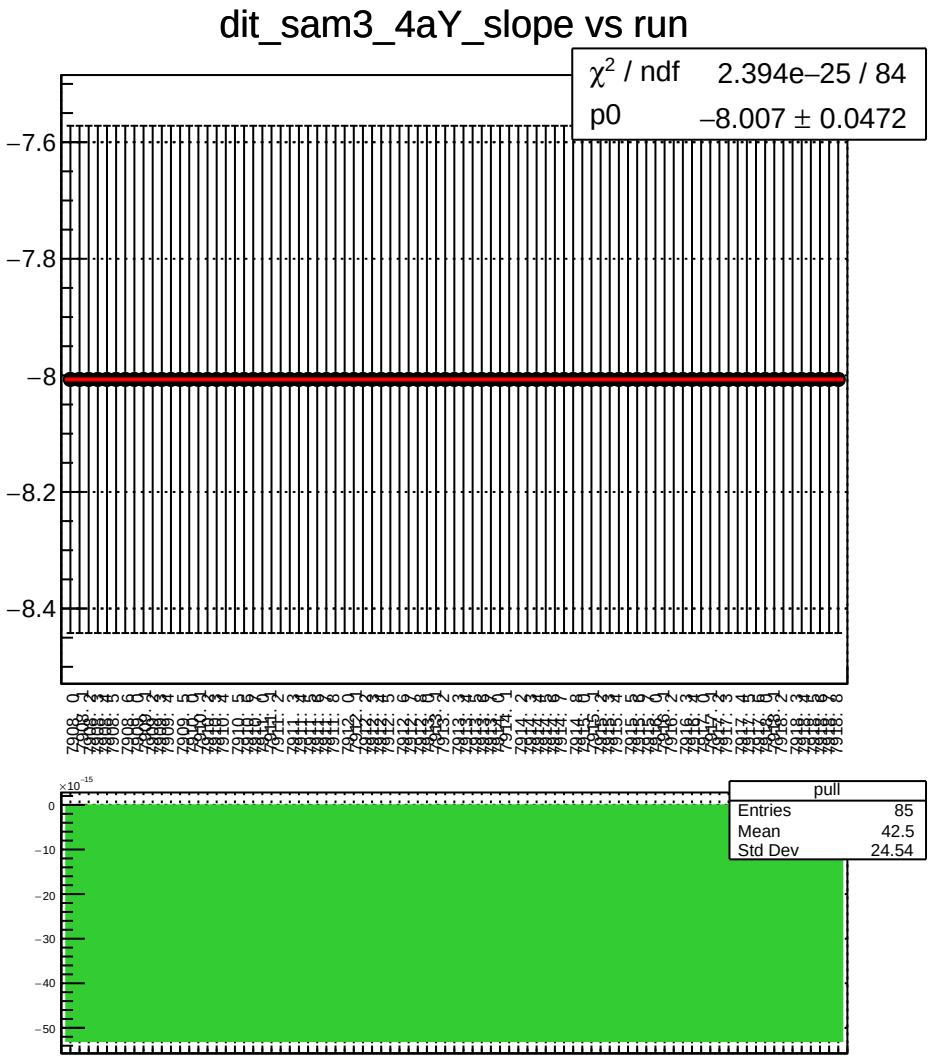

dit_sam3_4eX_slope vs run
χ² / ndf 1.274e−24 / 84
p0 −127.5 ± 0.1385
−126
−126.5
−127
−127.5
−128
−128.5
−129
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

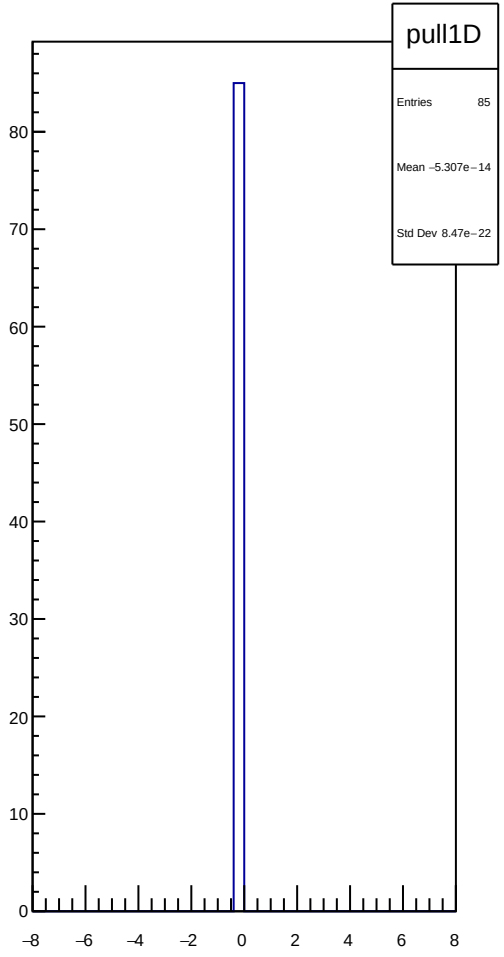

pull1D
Entries 85
Mean 1.224e−13
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

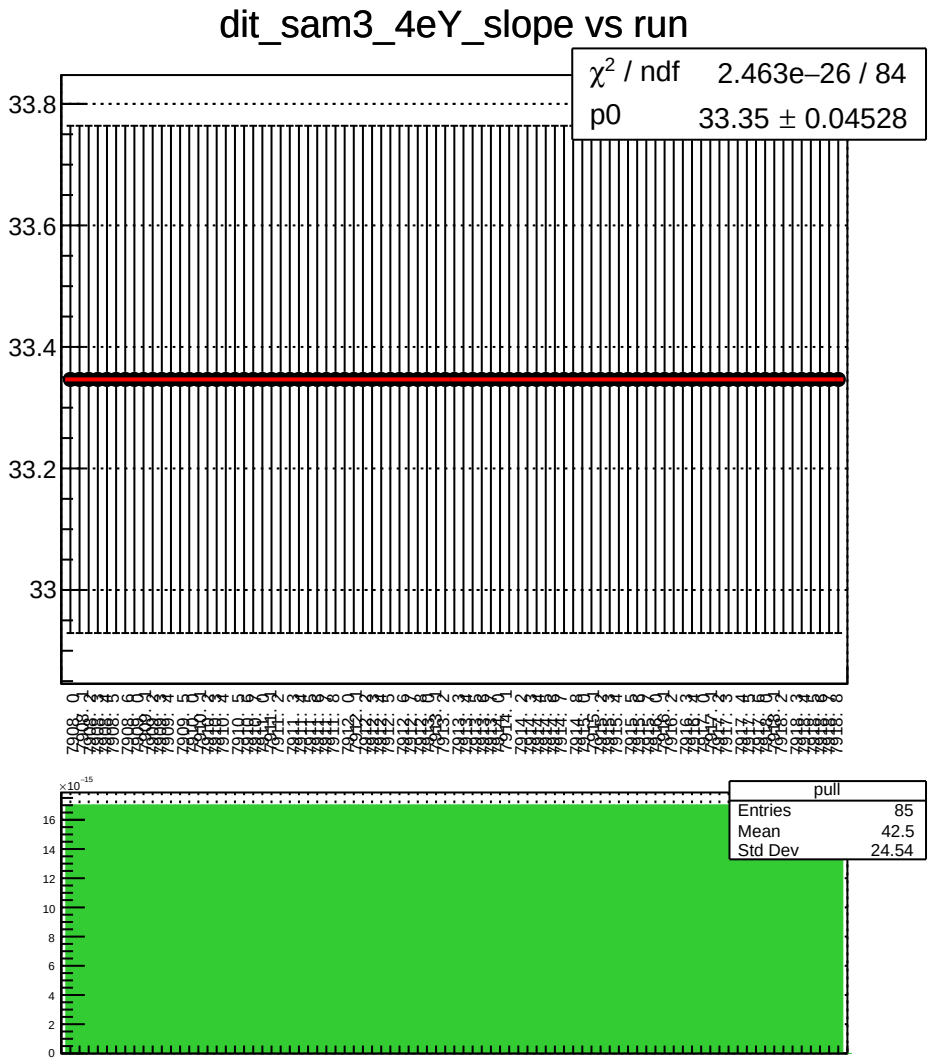
dit_sam3_11X12X_slope vs run

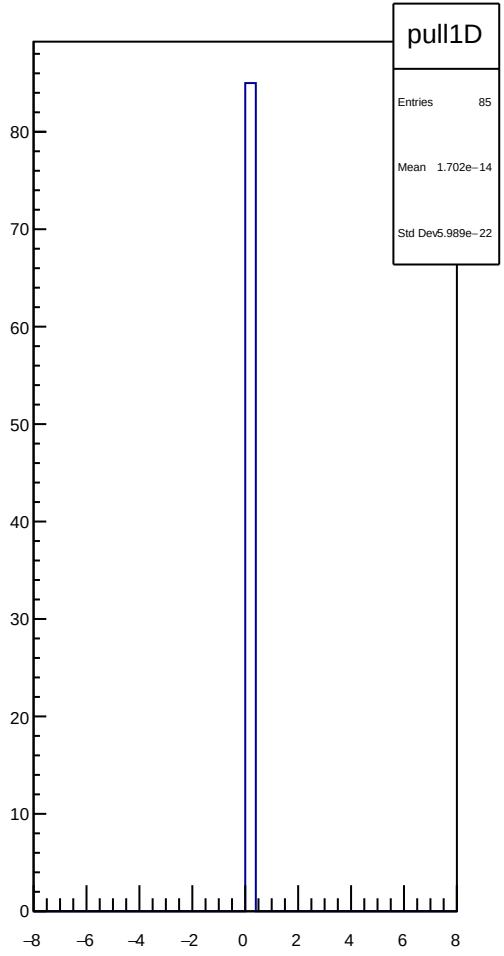




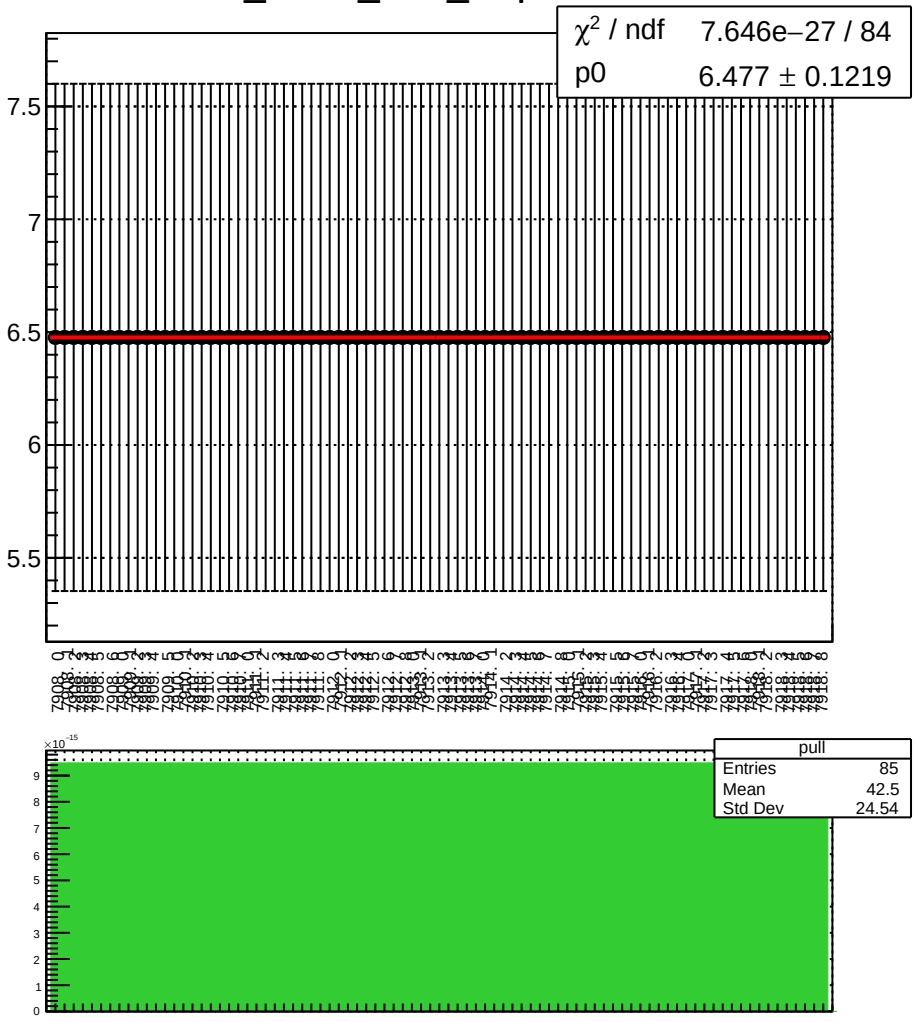

dit_sam3_4aY_slope vs run
χ² / ndf 2.394e−25 / 84
p0 −8.007 ± 0.0472
−7.6
−7.8
−8
−8.2
−8.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50

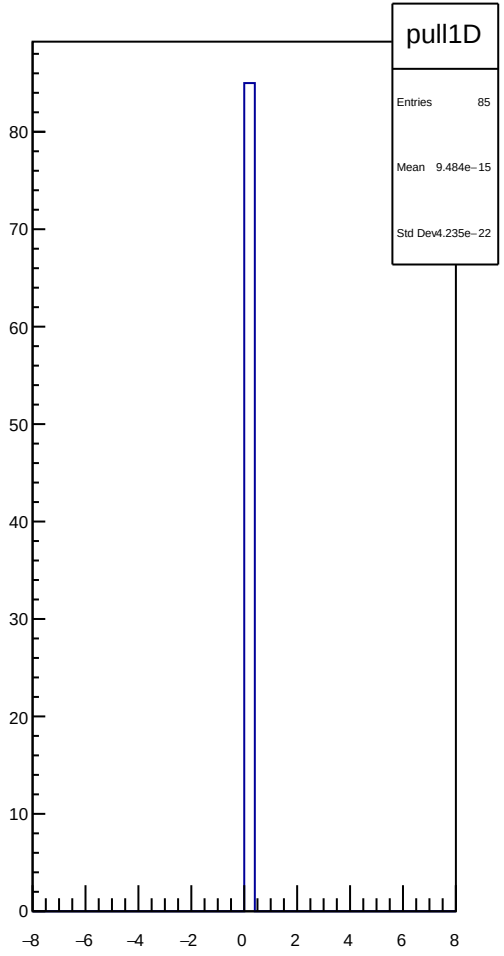

pull1D
Entries 85
Mean −5.307e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

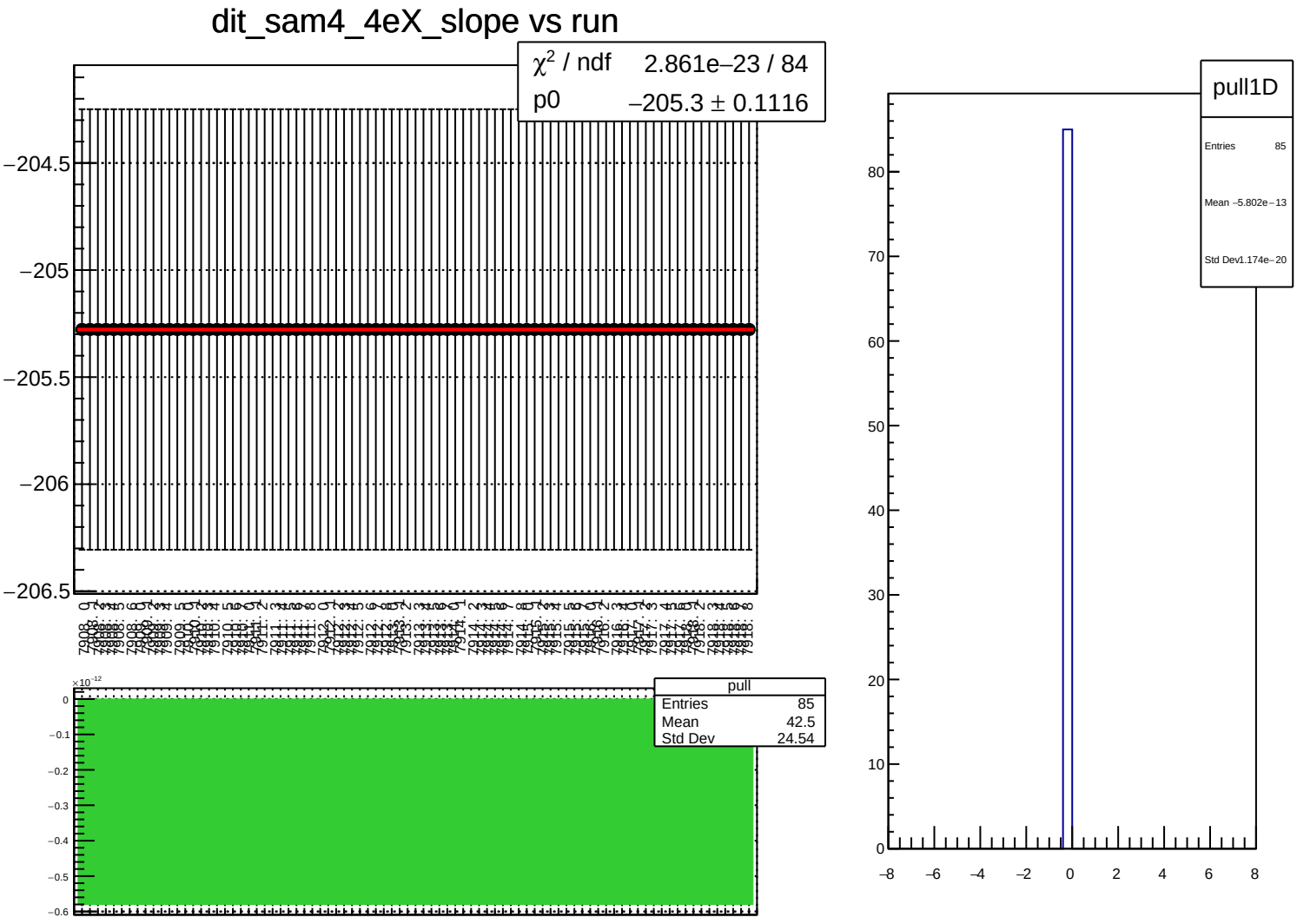

dit_sam3_4eY_slope vs run
χ² / ndf 2.463e−26 / 84
p0 33.35 ± 0.04528
33.8
33.6
33.4
33.2
33
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
16
14
12
10
8
6
4
2
0


pull1D
Entries 85
Mean 1.702e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

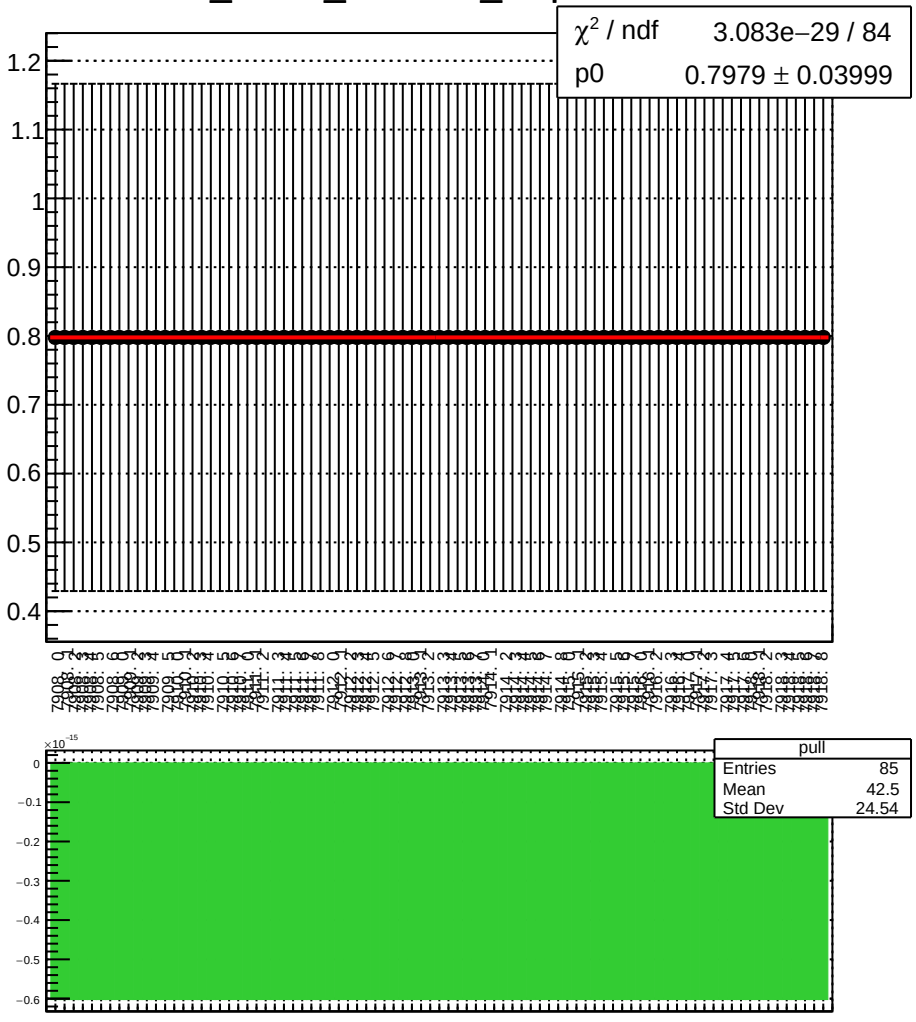
dit_sam4_4aX_slope vs run

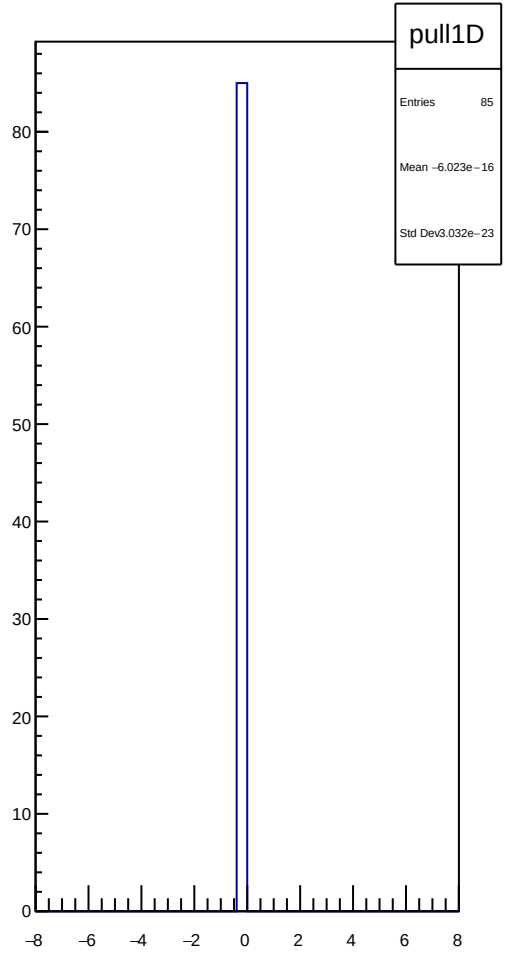




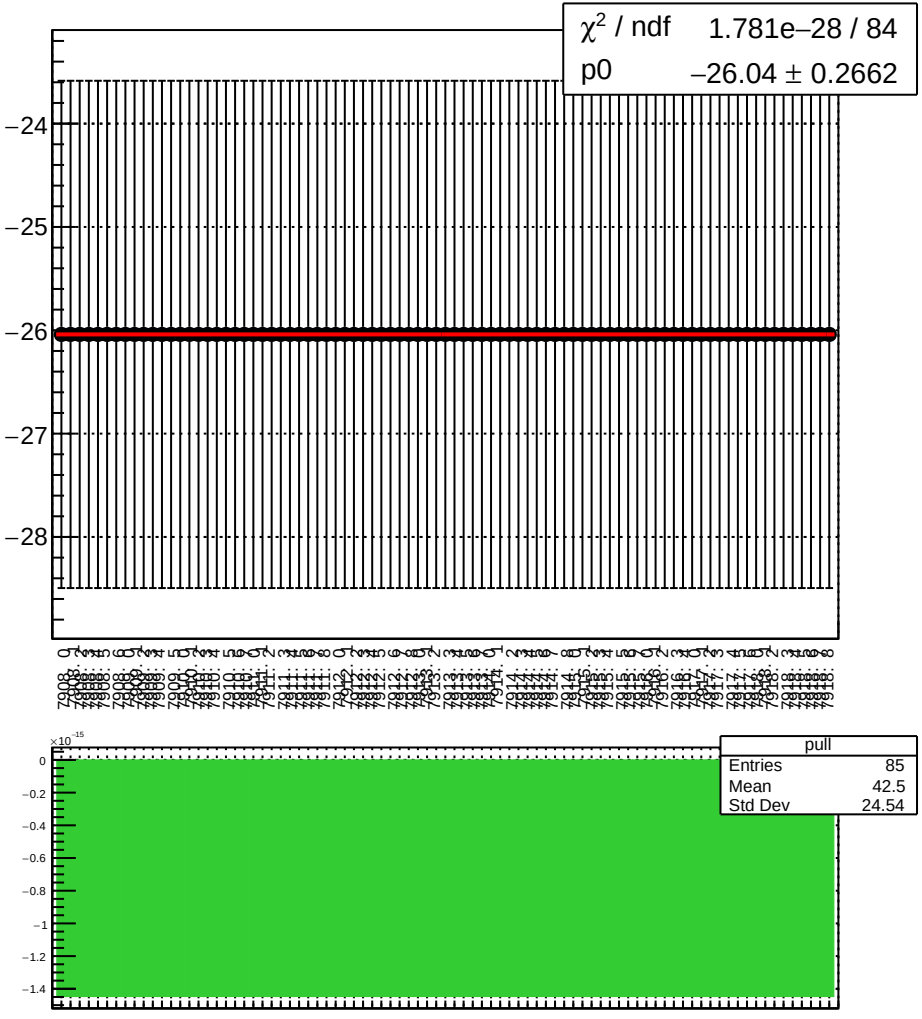

dit_sam4_4eX_slope vs run
χ^2 / ndf 2.861e−23 / 84
p0 −205.3 ± 0.1116
−204.5
−205
−205.5
−206
−206.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 85
Mean −5.802e−13
Std Dev1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

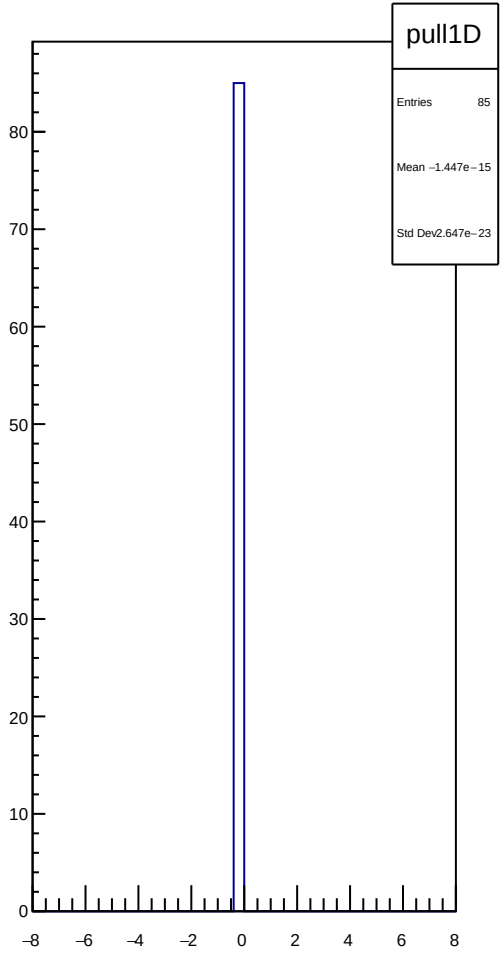
dit_sam4_11X12X_slope vs run

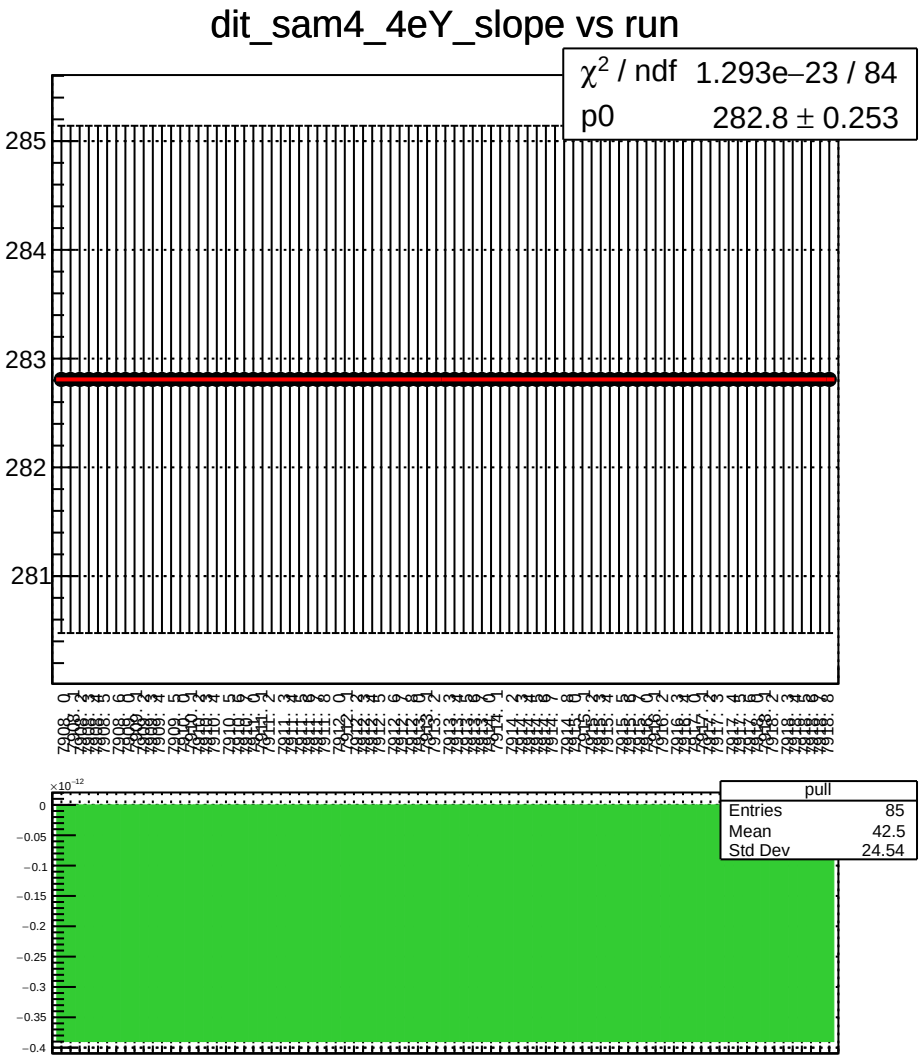


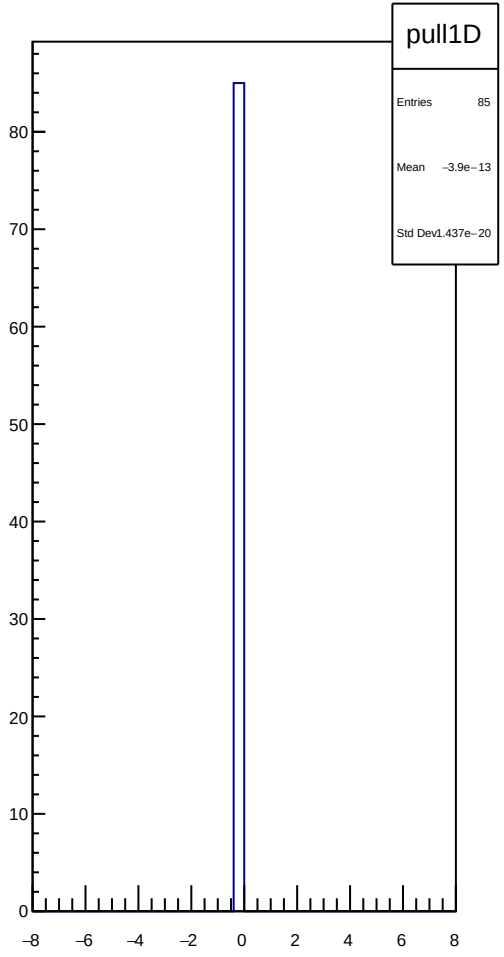


dit_sam4_4aY_slope vs run

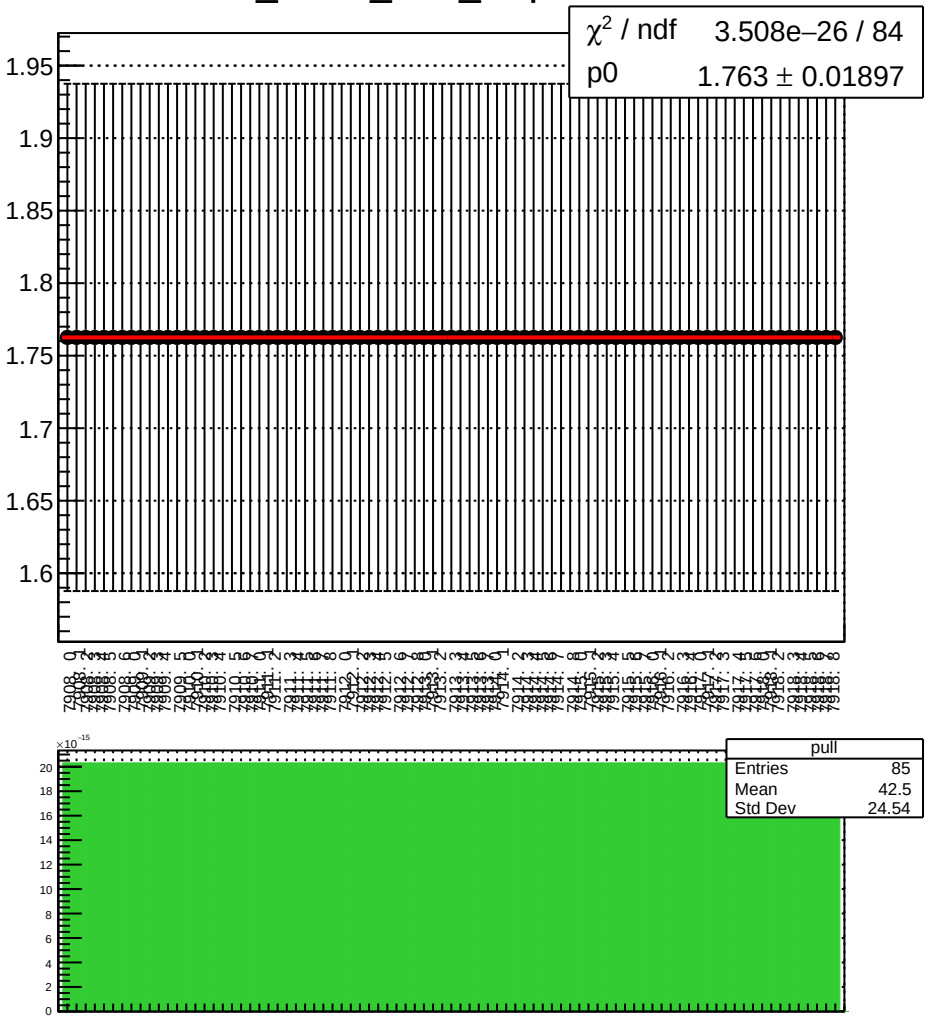


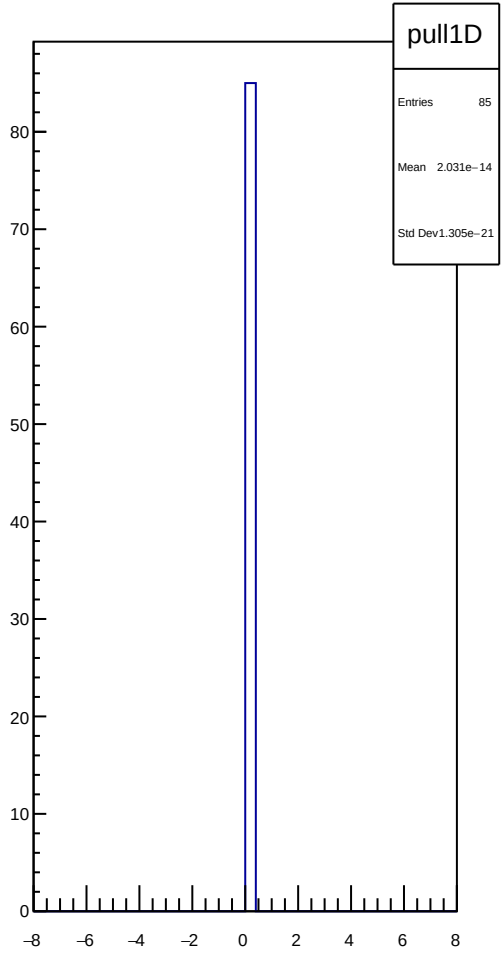


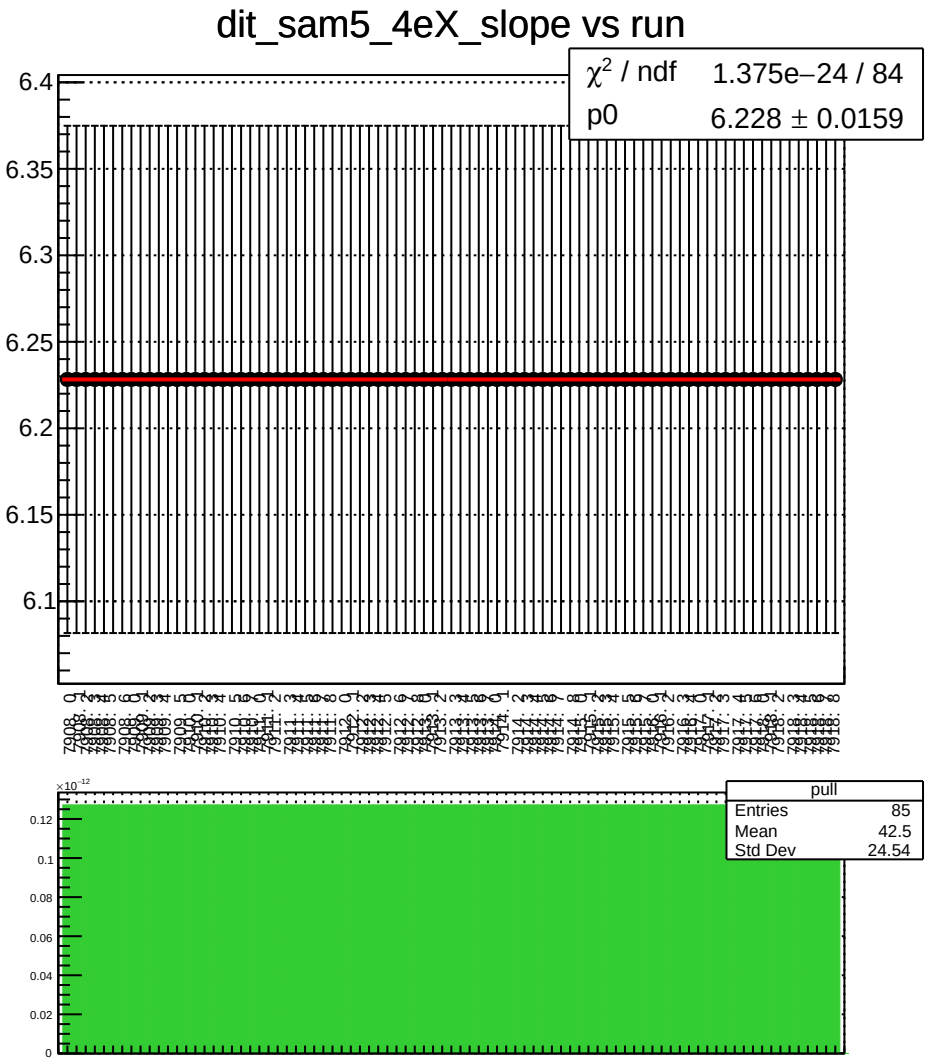

dit_sam4_4eY_slope vs run
χ^2 / ndf 1.293e−23 / 84
p0 282.8 ± 0.253
285
284
283
282
281
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

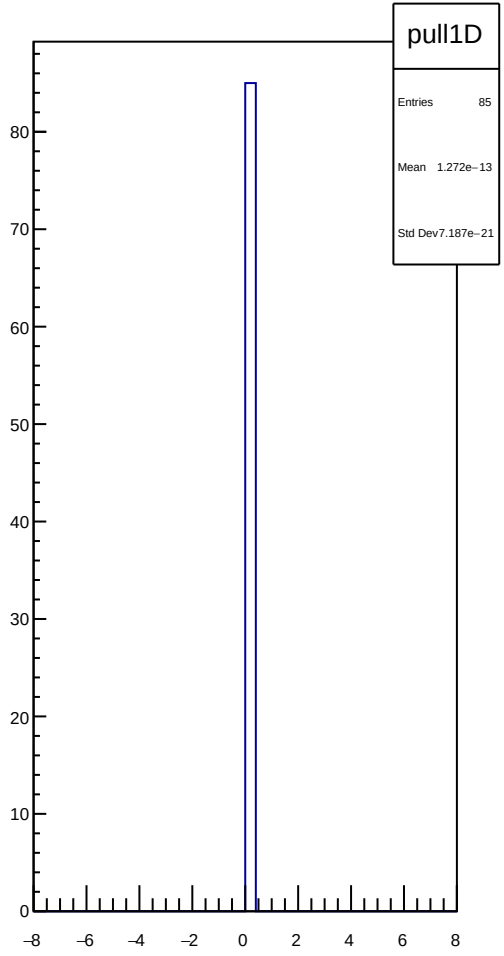

pull1D
Entries 85
Mean −3.9e−13
Std Dev 1.437e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aX_slope vs run

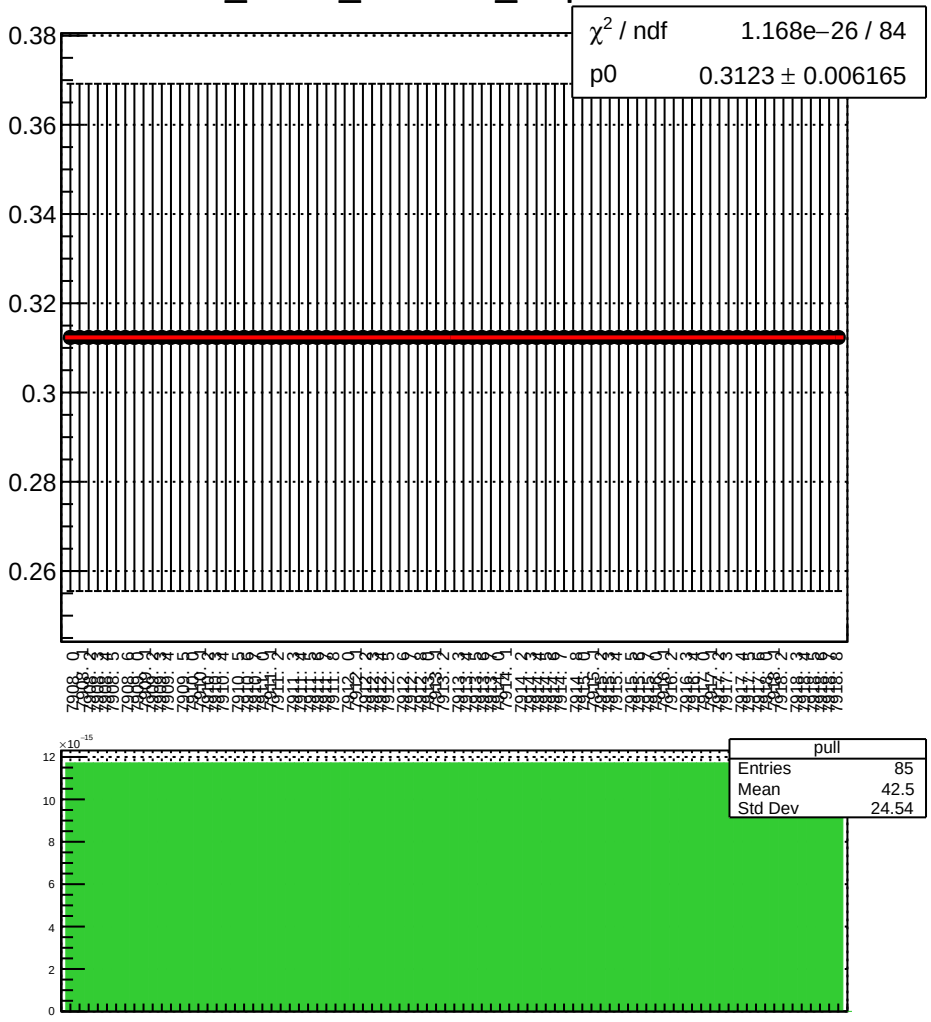


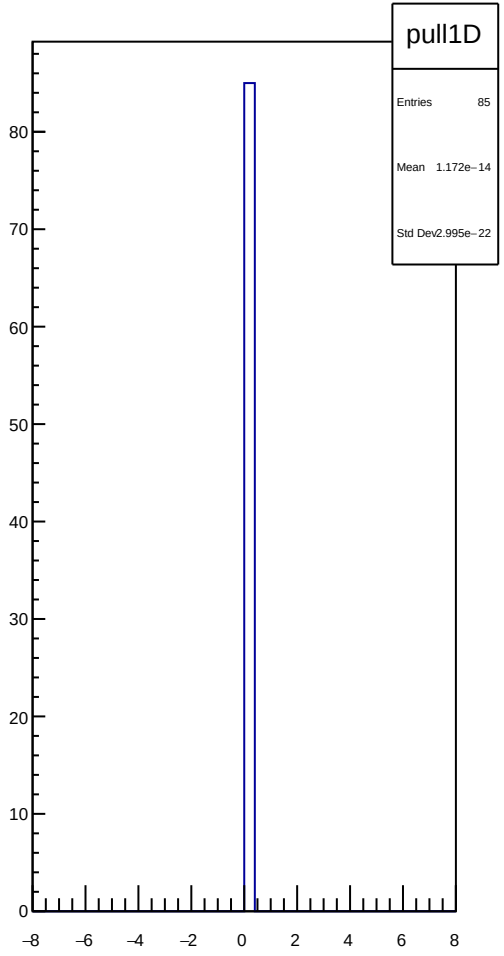


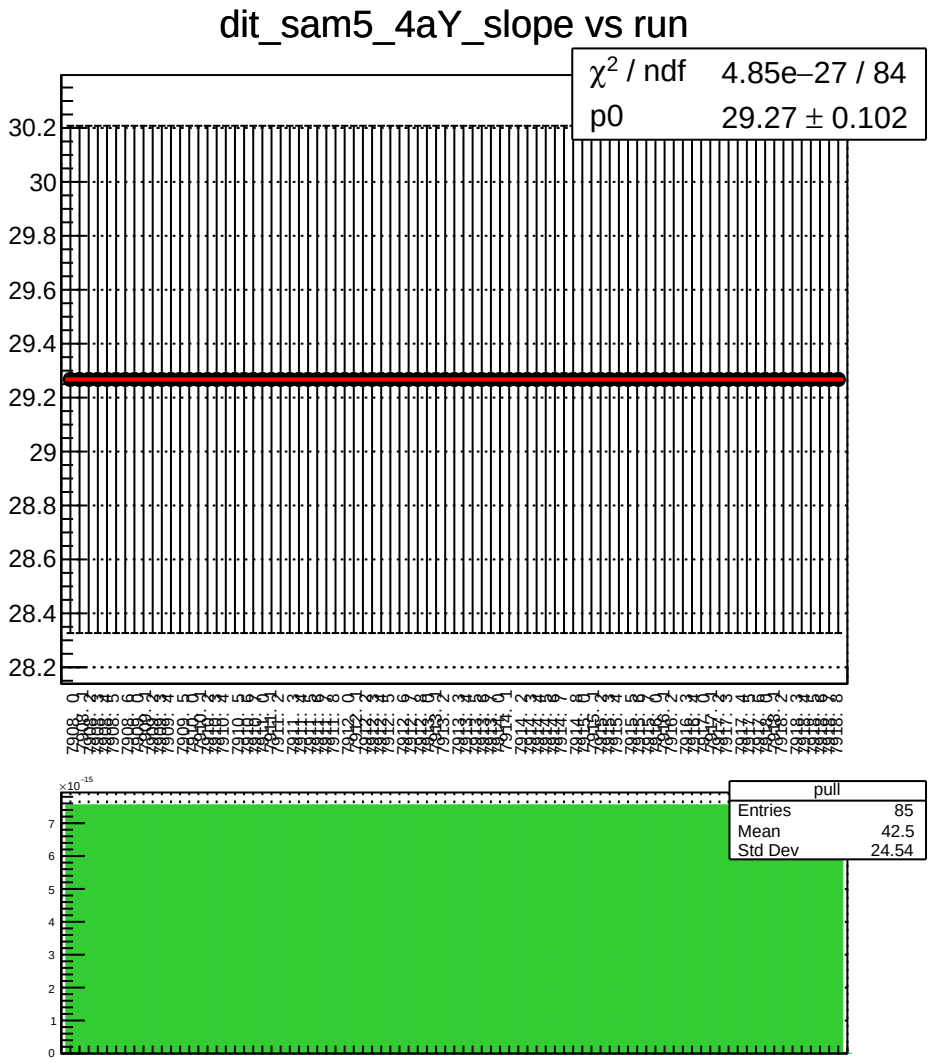

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.375e−24 / 84
p0 6.228 ± 0.0159
6.4
6.35
6.3
6.25
6.2
6.15
6.1
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0.12
0.1
0.08
0.06
0.04
0.02
0

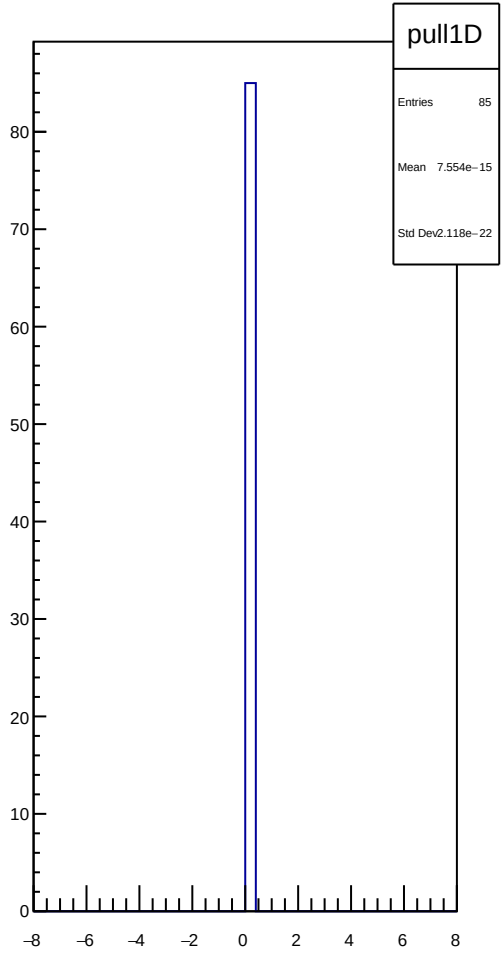

pull1D
Entries 85
Mean 1.272e−13
Std Dev 7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

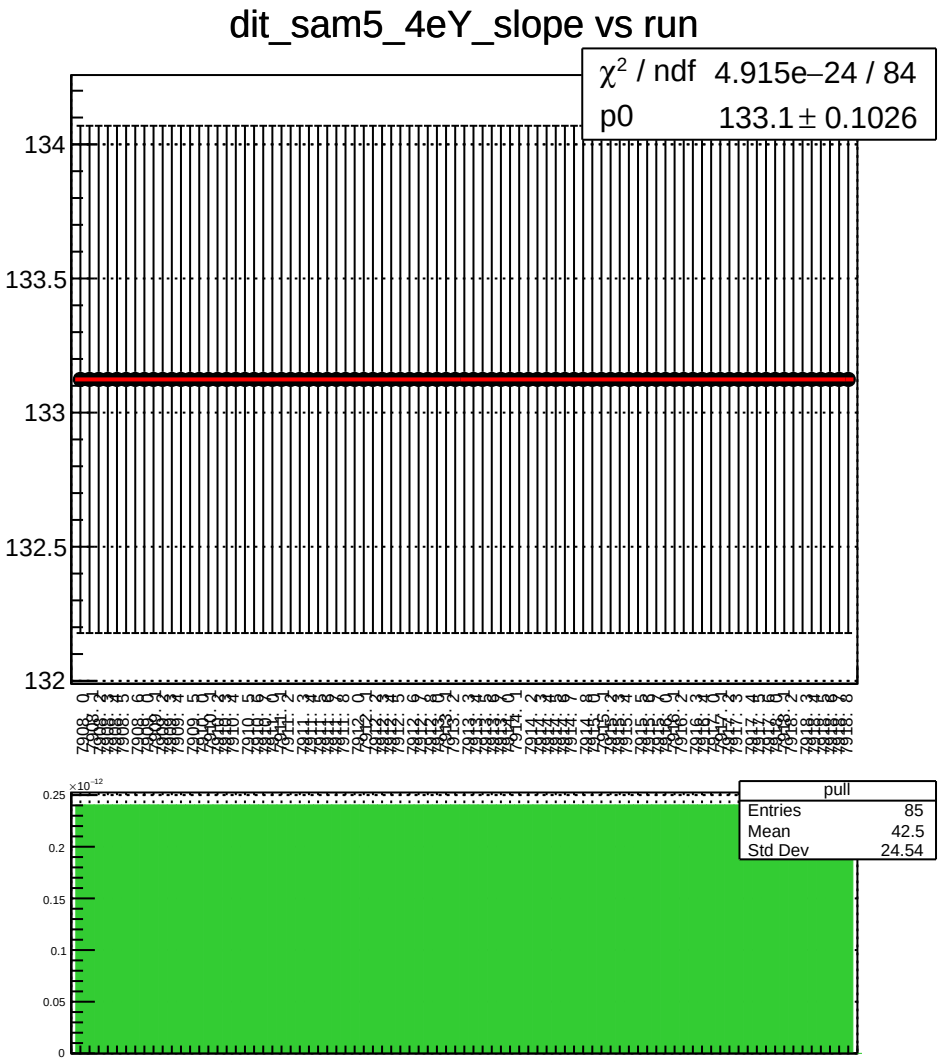
dit_sam5_11X12X_slope vs run

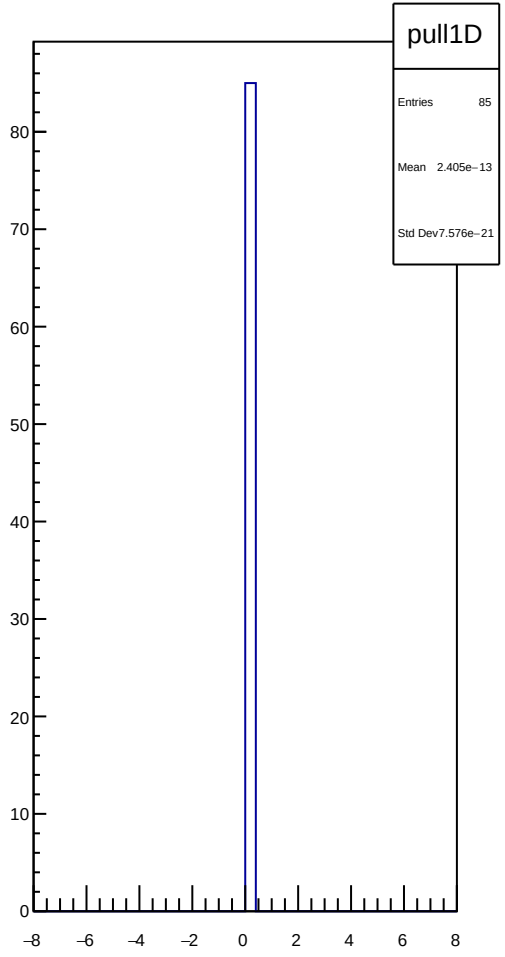




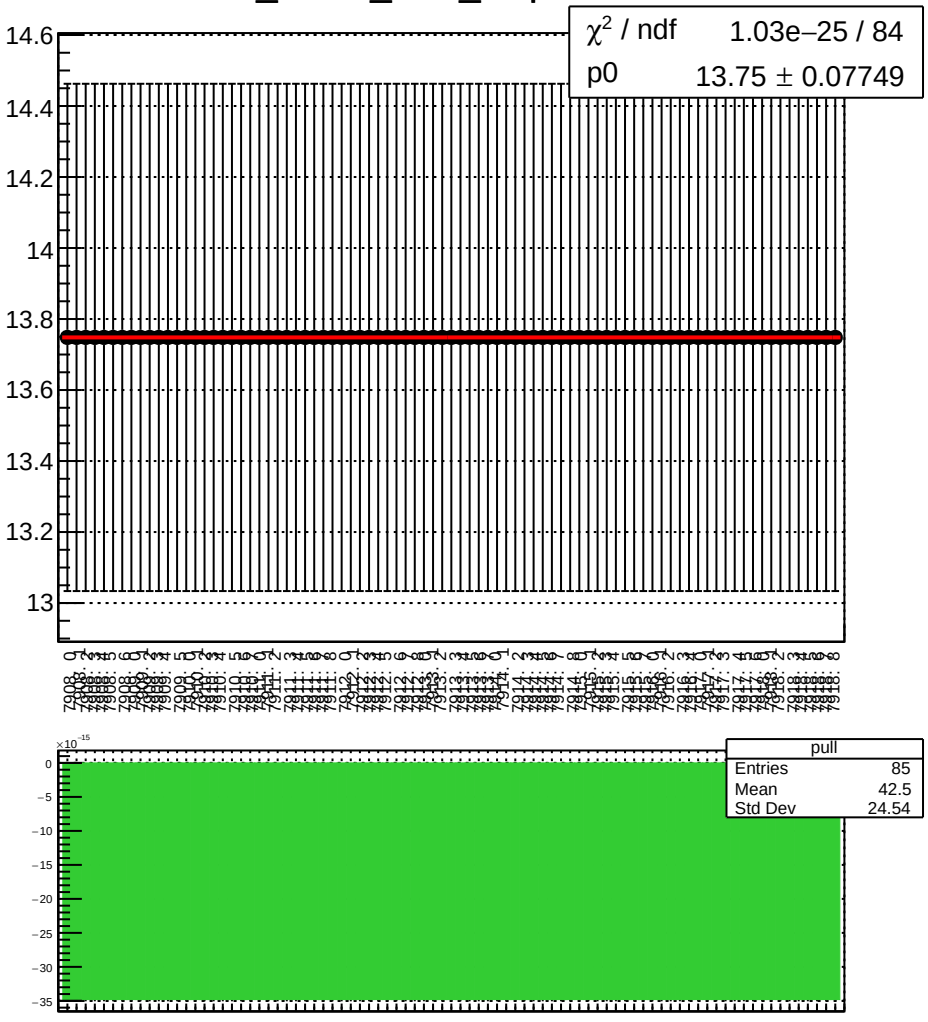

dit_sam5_4aY_slope vs run
χ2 / ndf 4.85e−27 / 84
p0 29.27 ± 0.102
30.2
30
29.8
29.6
29.4
29.2
29
28.8
28.6
28.4
28.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10−15
7
6
5
4
3
2
1
0

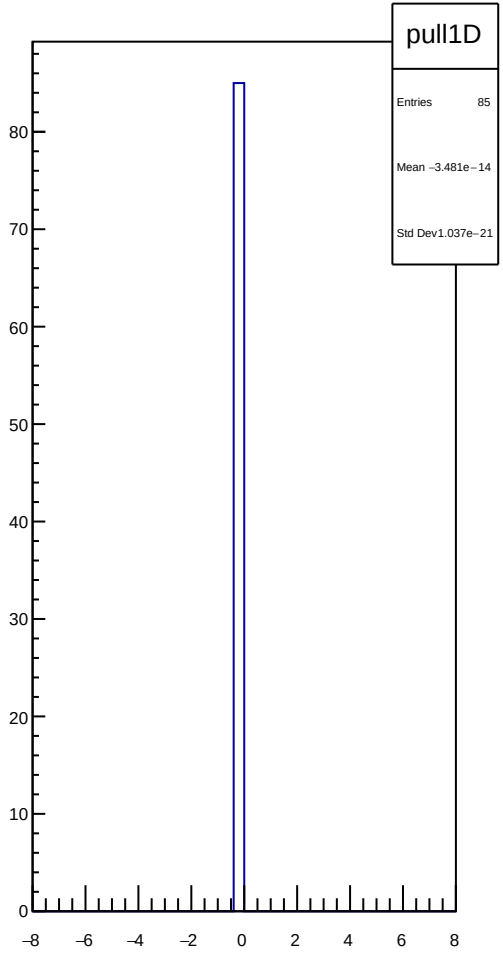

pull1D
Entries 85
Mean 7.554e−15
Std Dev 2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

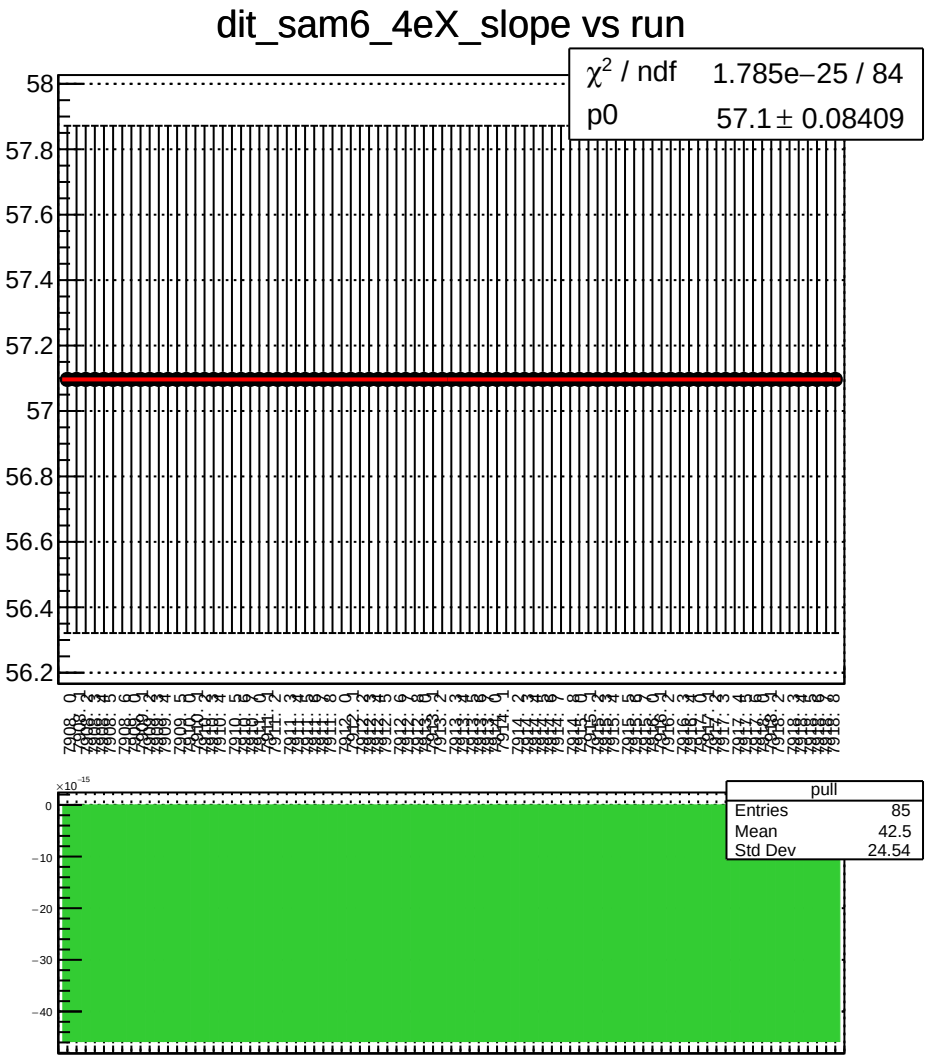

dit_sam5_4eY_slope vs run
χ^2 / ndf 4.915e−24 / 84
p0 133.1 ± 0.1026
134
133.5
133
132.5
132
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0.25
0.2
0.15
0.1
0.05
0

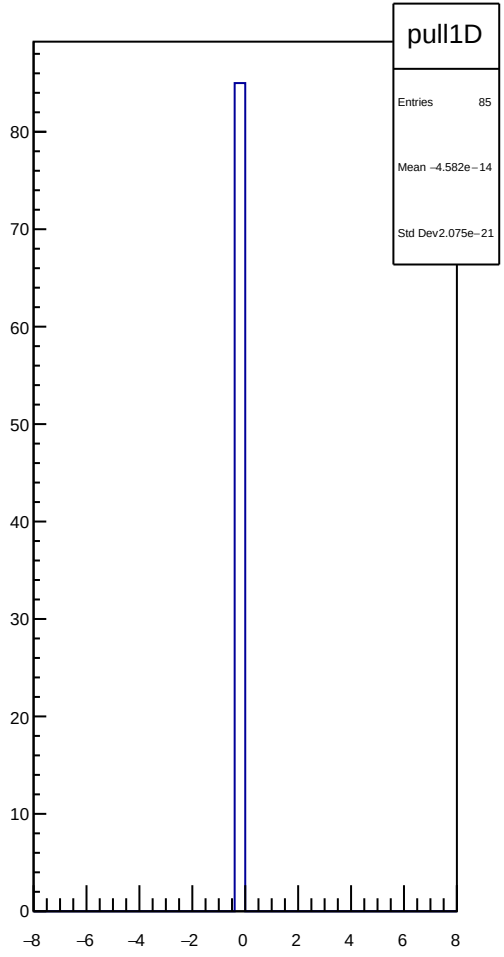

pull1D
Entries 85
Mean 2.405e−13
Std Dev 7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aX_slope vs run

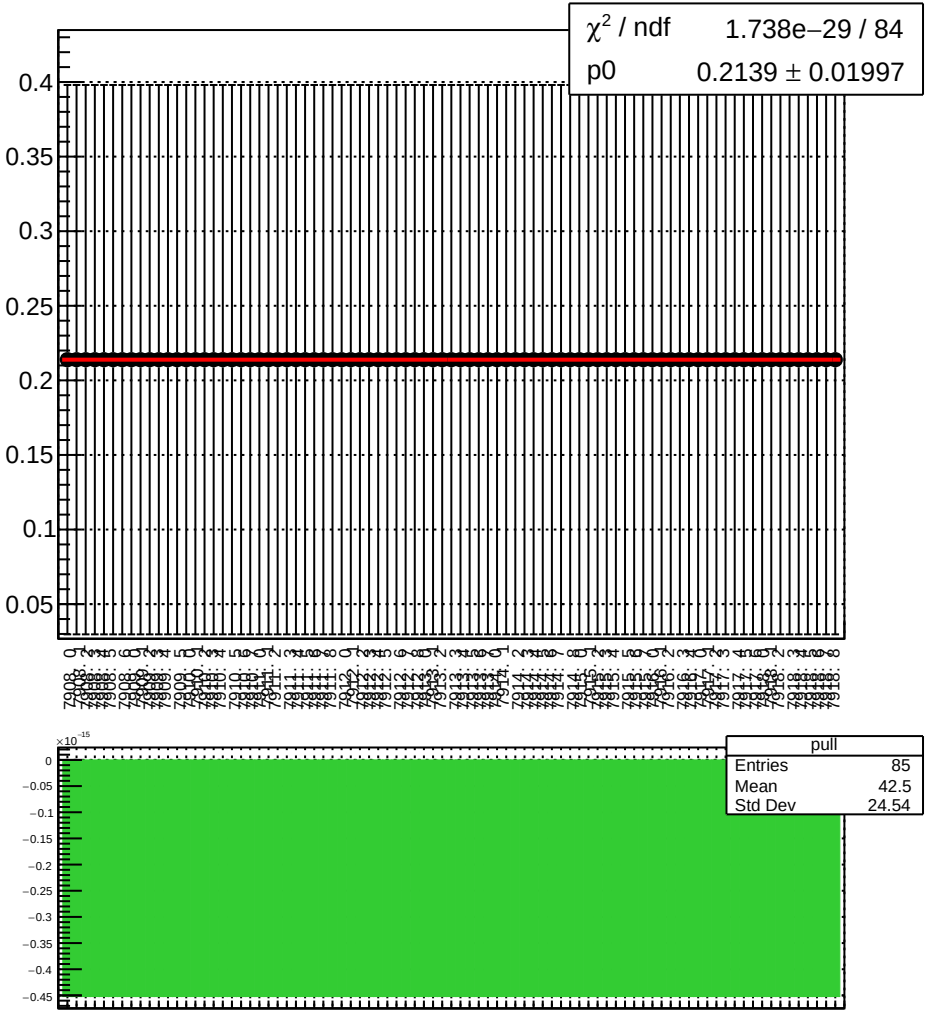


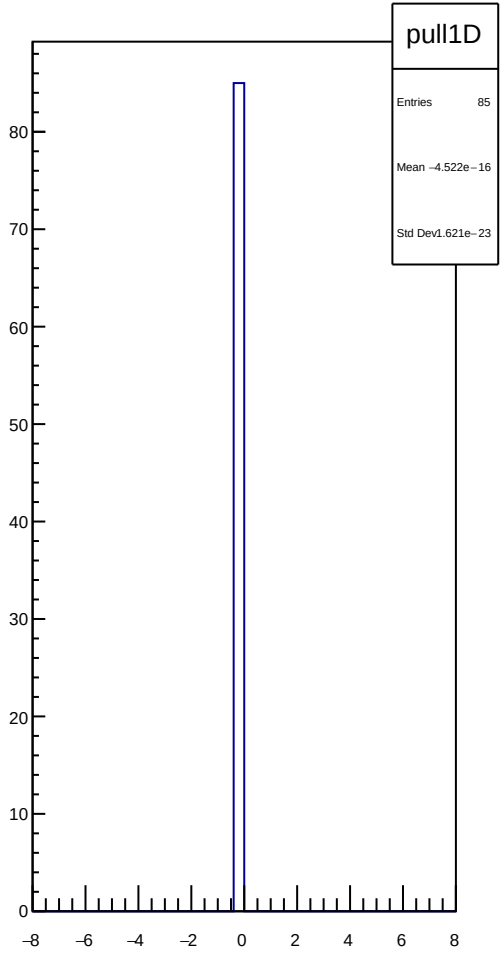


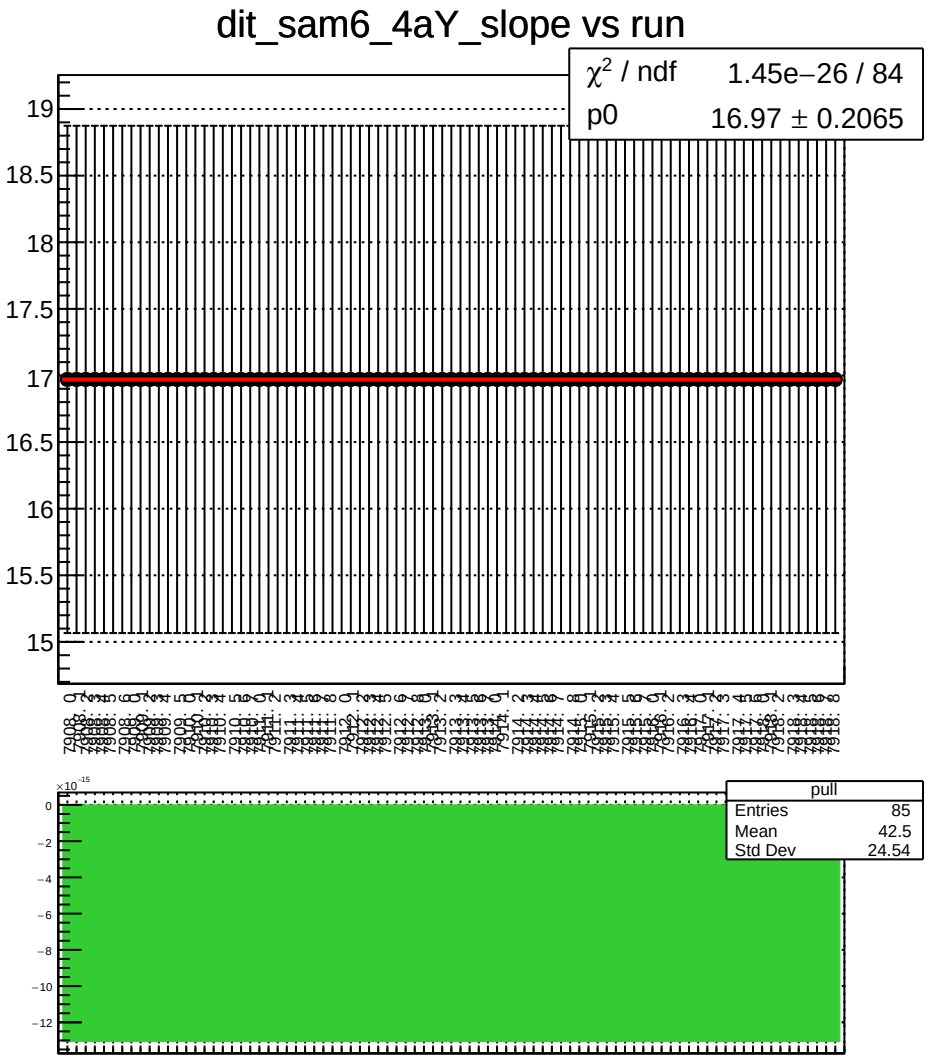

dit_sam6_4eX_slope vs run
χ² / ndf 1.785e−25 / 84
p0 57.1 ± 0.08409
pull
Entries 85
Mean 42.5
Std Dev 24.54

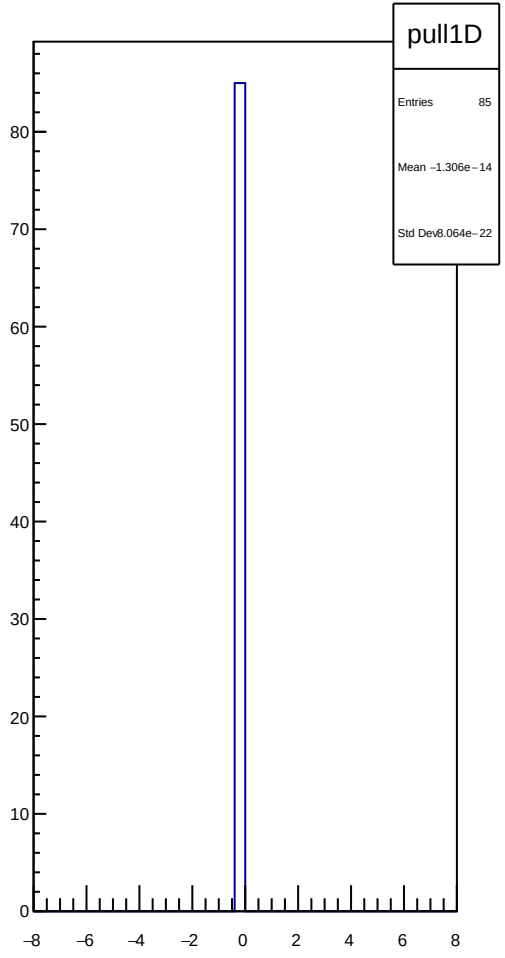

pull1D
Entries 85
Mean −4.582e−14
Std Dev2.075e−21

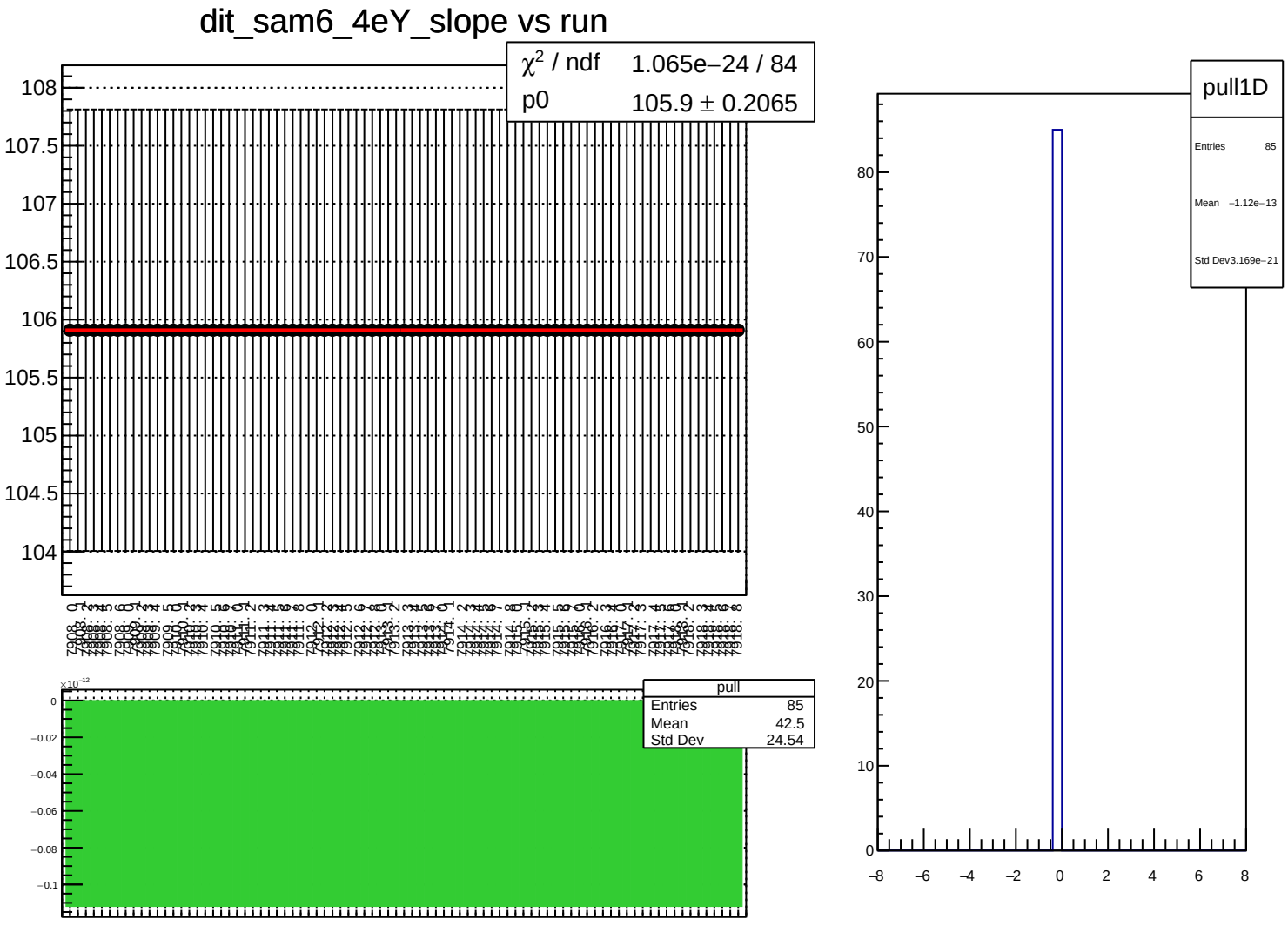
dit_sam6_11X12X_slope vs run

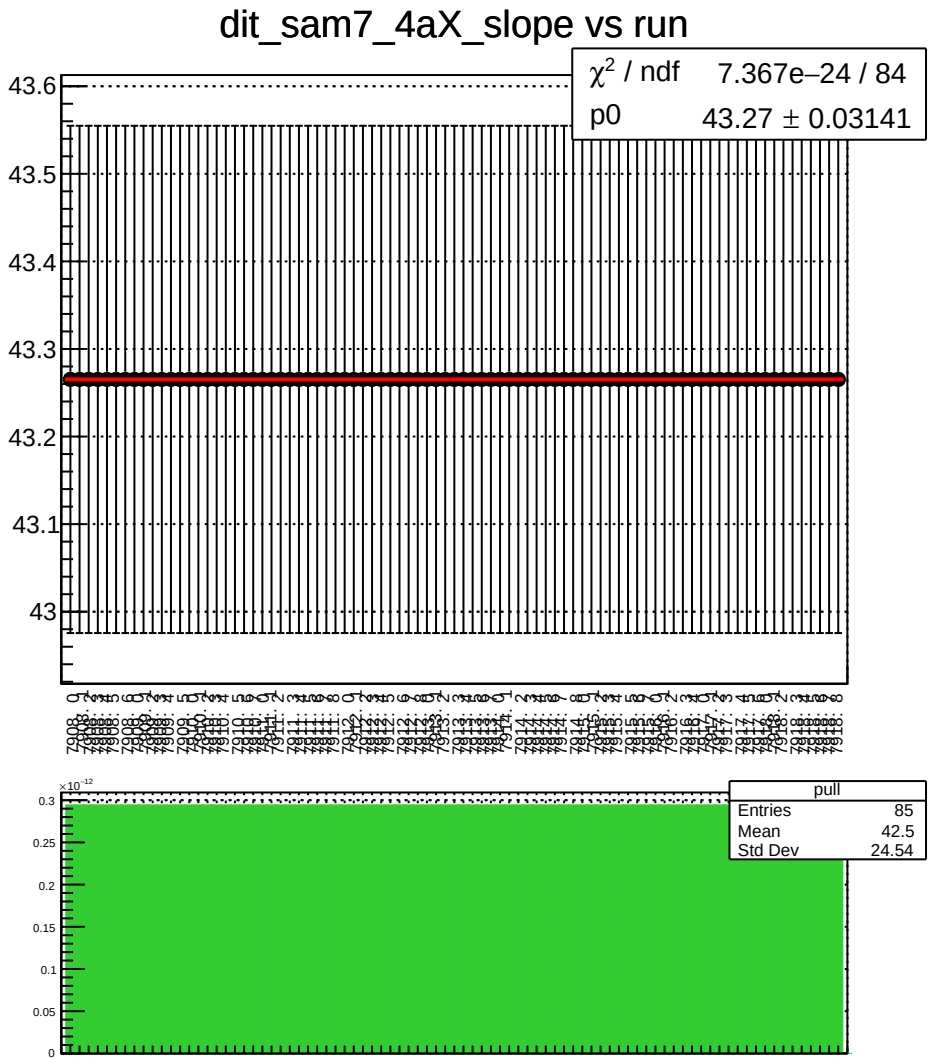


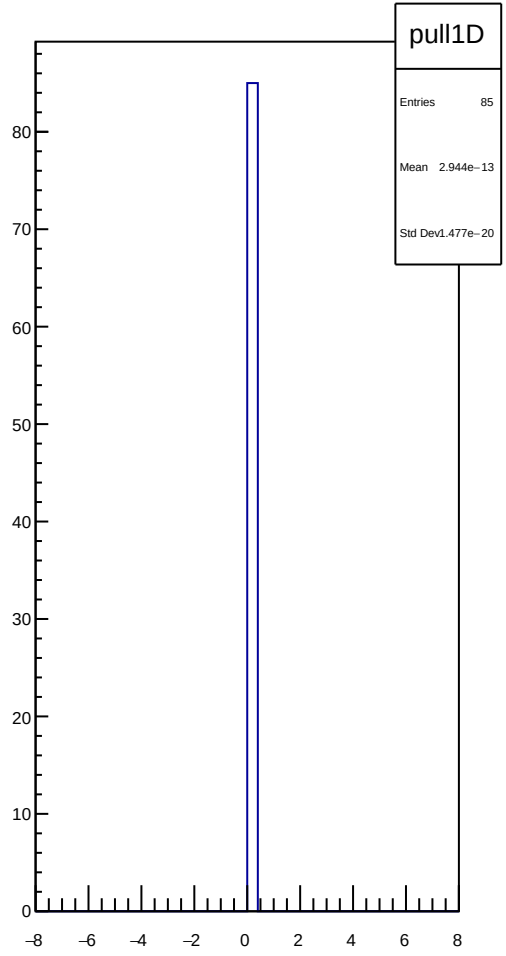


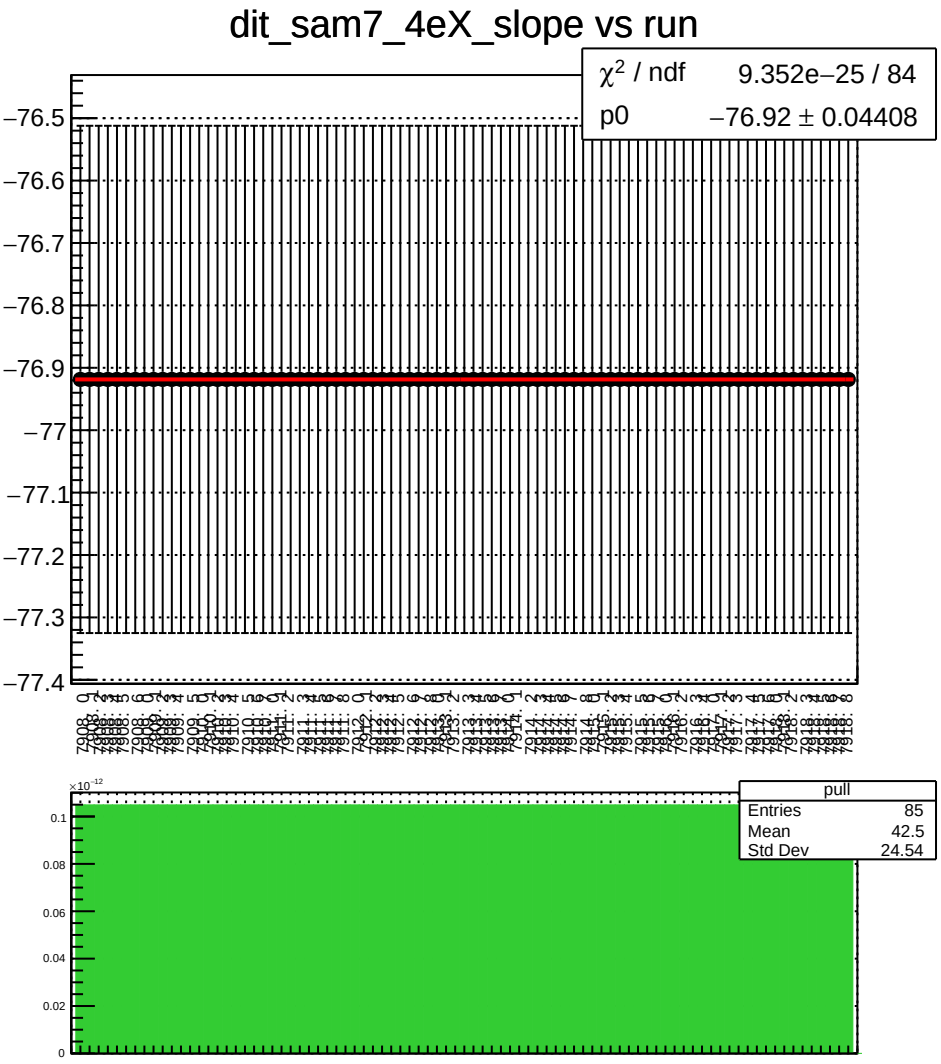

dit_sam6_4aY_slope vs run
χ² / ndf 1.45e−26 / 84
p0 16.97 ± 0.2065
19
18.5
18
17.5
17
16.5
16
15.5
15
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull
Entries 85
Mean 42.5
Std Dev 24.54

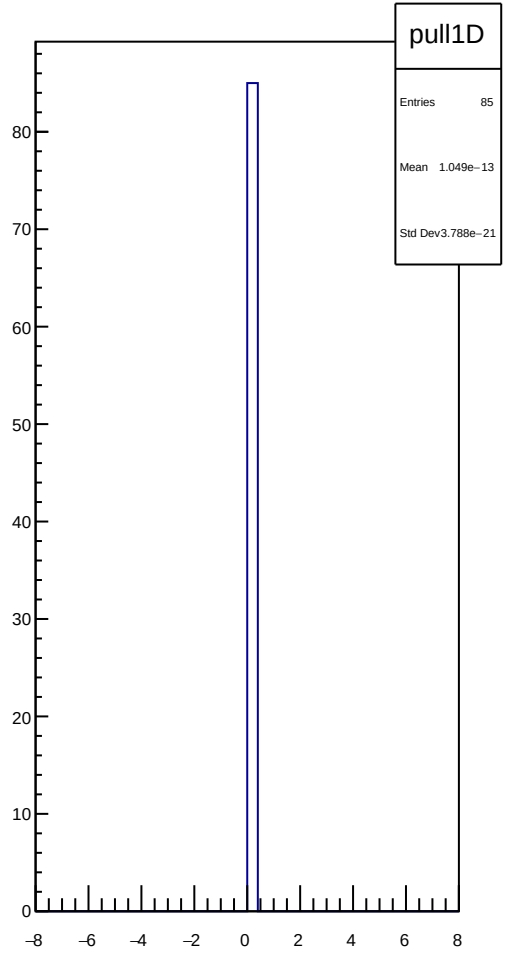

pull1D
Entries 85
Mean −1.306e−14
Std Dev 8.064e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

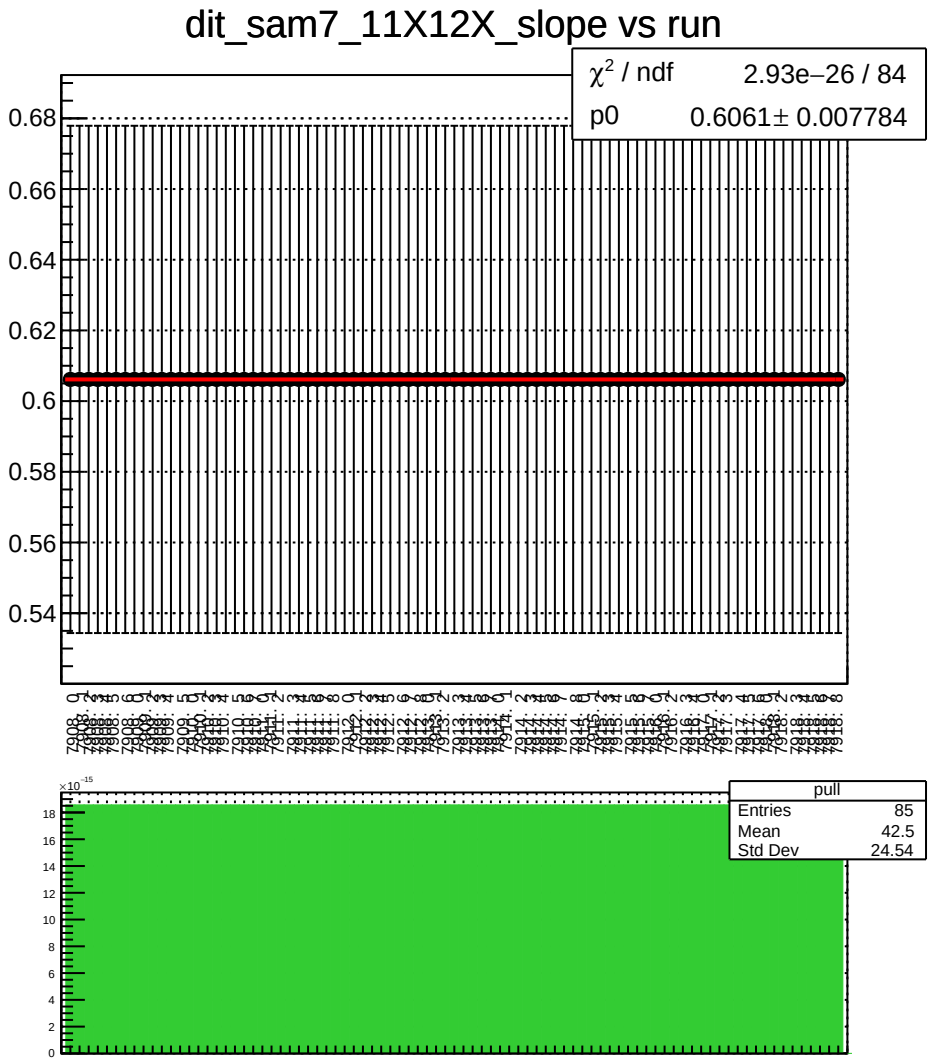

dit_sam6_4eY_slope vs run
χ² / ndf 1.065e−24 / 84
p0 105.9 ± 0.2065
108
107.5
107
106.5
106
105.5
105
104.5
104
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 85
Mean −1.12e−13
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

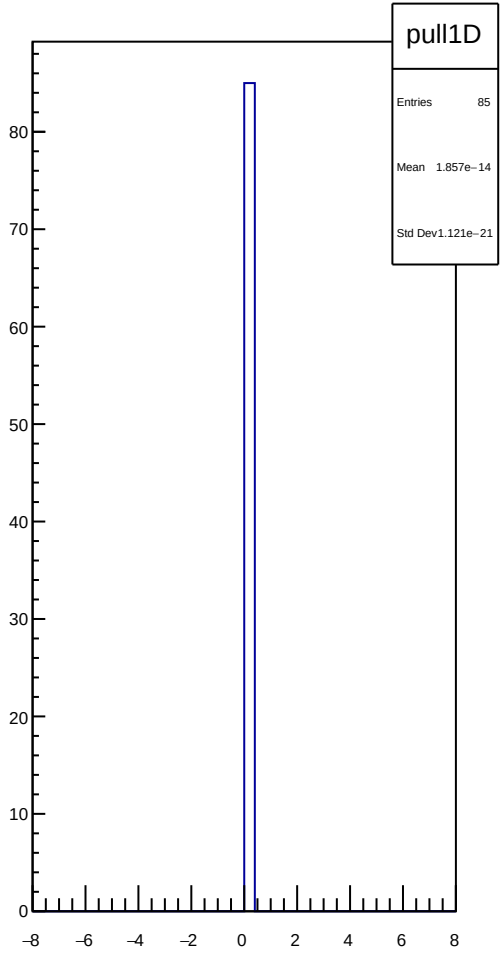

dit_sam7_4aX_slope vs run
χ² / ndf 7.367e−24 / 84
p0 43.27 ± 0.03141
43.6
43.5
43.4
43.3
43.2
43.1
43
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

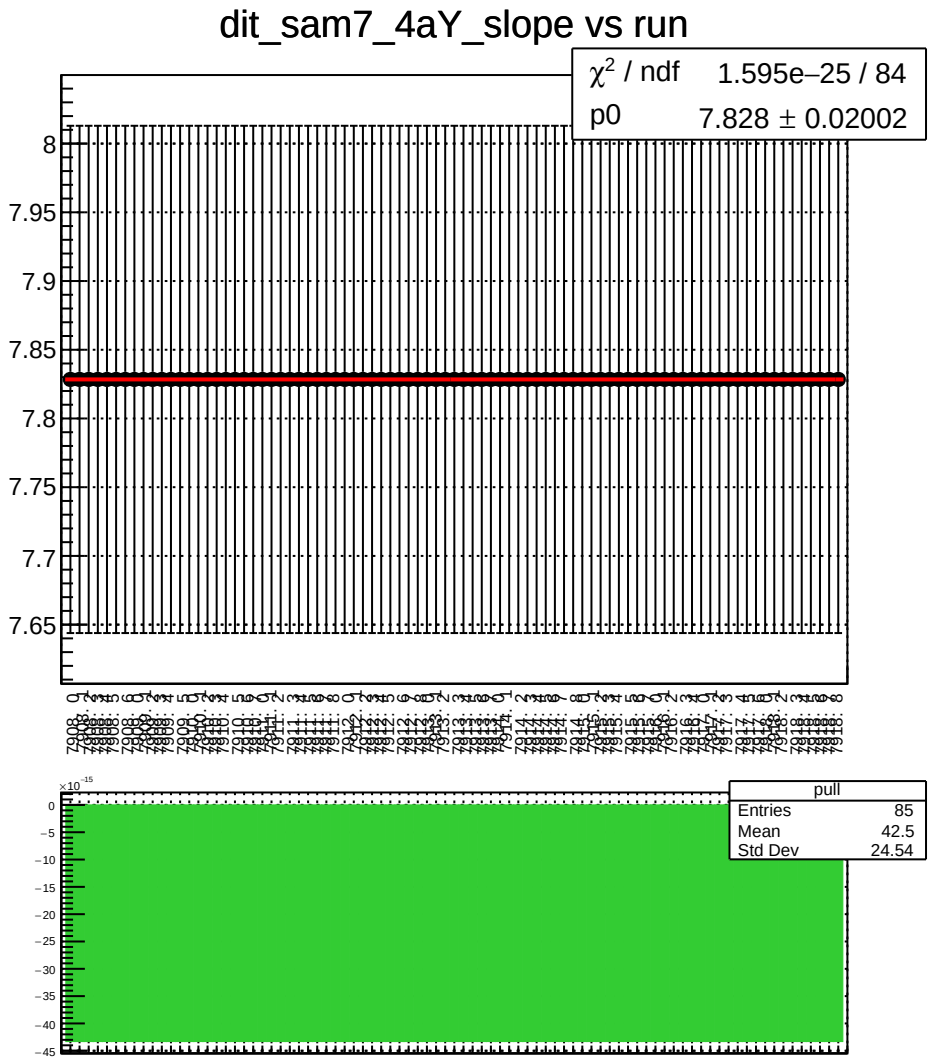

pull1D
Entries 85
Mean 2.944e−13
Std Dev 1.477e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

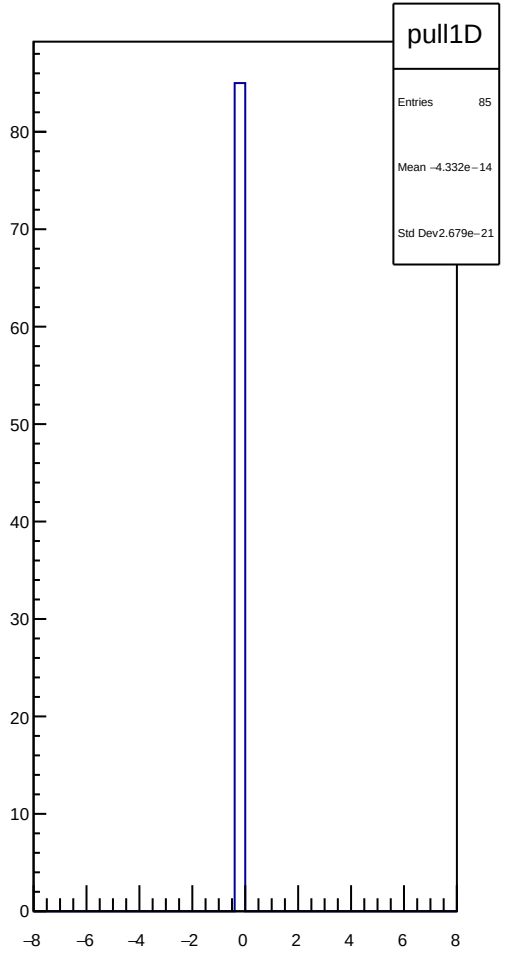

dit_sam7_4eX_slope vs run
χ^2 / ndf 9.352e−25 / 84
p0 −76.92 ± 0.04408
−76.5
−76.6
−76.7
−76.8
−76.9
−77
−77.1
−77.2
−77.3
−77.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0.1
0.08
0.06
0.04
0.02
0

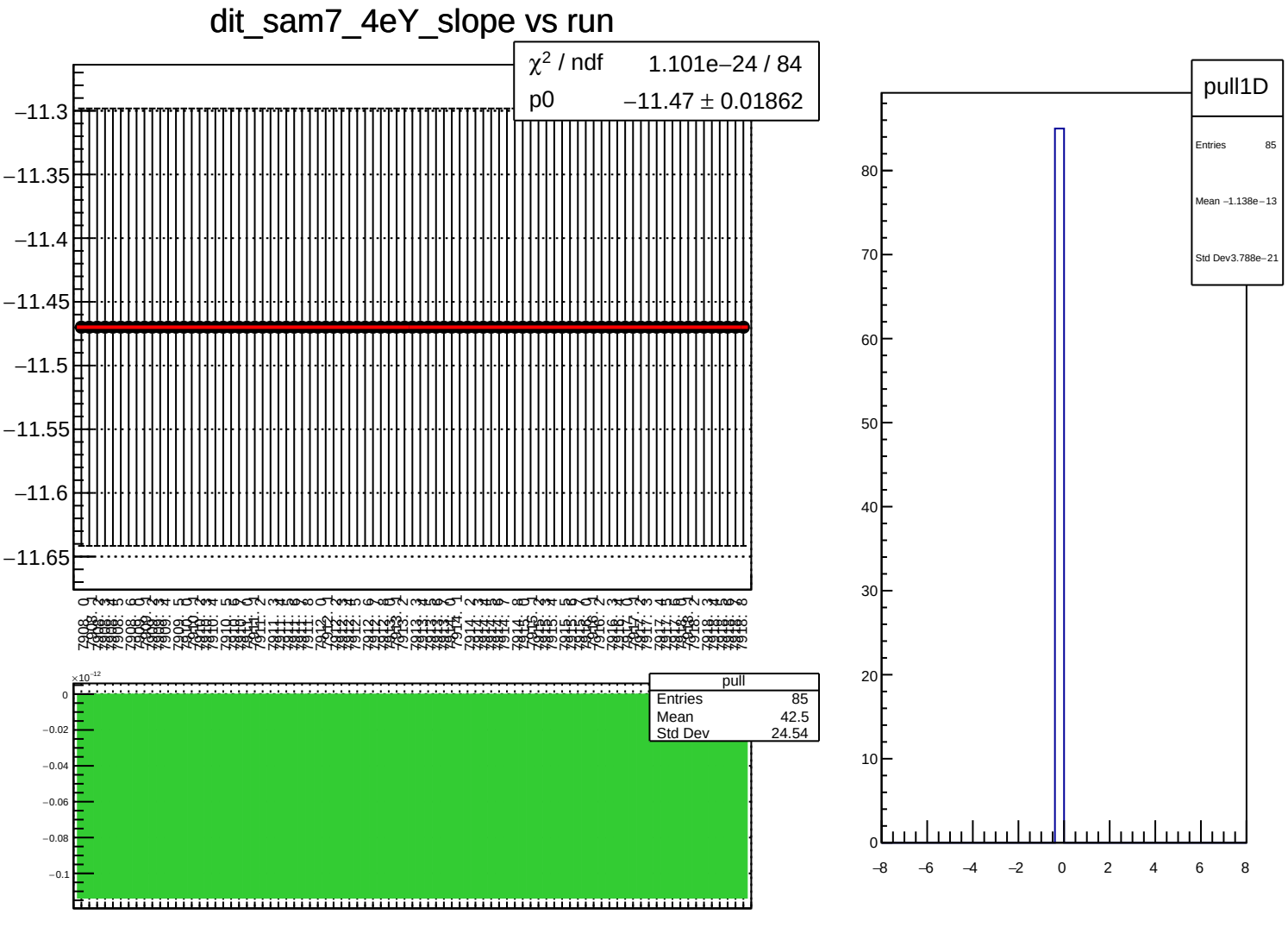

pull1D
Entries 85
Mean 1.049e−13
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

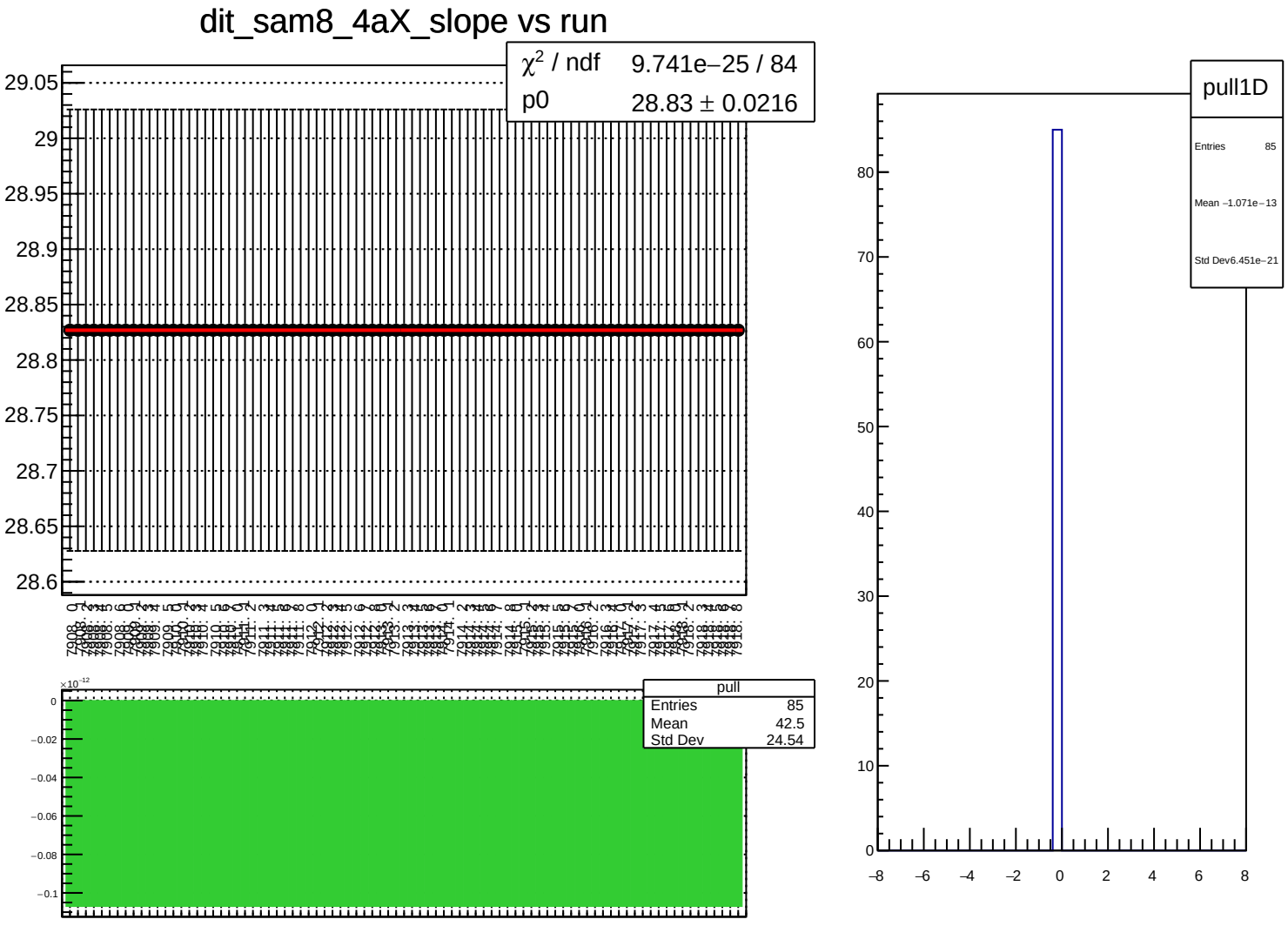

dit_sam7_11X12X_slope vs run
χ^2 / ndf 2.93e−26 / 84
p0 0.6061± 0.007784
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
18
16
14
12
10
8
6
4
2
0


pull1D
Entries 85
Mean 1.857e−14
Std Dev1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4aY_slope vs run
χ^2 / ndf 1.595e−25 / 84
p0 7.828 ± 0.02002
8
7.95
7.9
7.85
7.8
7.75
7.7
7.65
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40
−45


pull1D
Entries 85
Mean −4.332e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4eY_slope vs run
χ² / ndf 1.101e−24 / 84
p0 −11.47 ± 0.01862
−11.3
−11.35
−11.4
−11.45
−11.5
−11.55
−11.6
−11.65
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 85
Mean −1.138e−13
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aX_slope vs run
χ^2 / ndf 9.741e−25 / 84
p0 28.83 ± 0.0216
29.05
29
28.95
28.9
28.85
28.8
28.75
28.7
28.65
28.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 85
Mean −1.071e−13
Std Dev6.451e−21
80
70
60
50
40
30
20
10
0
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−4
−2
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2
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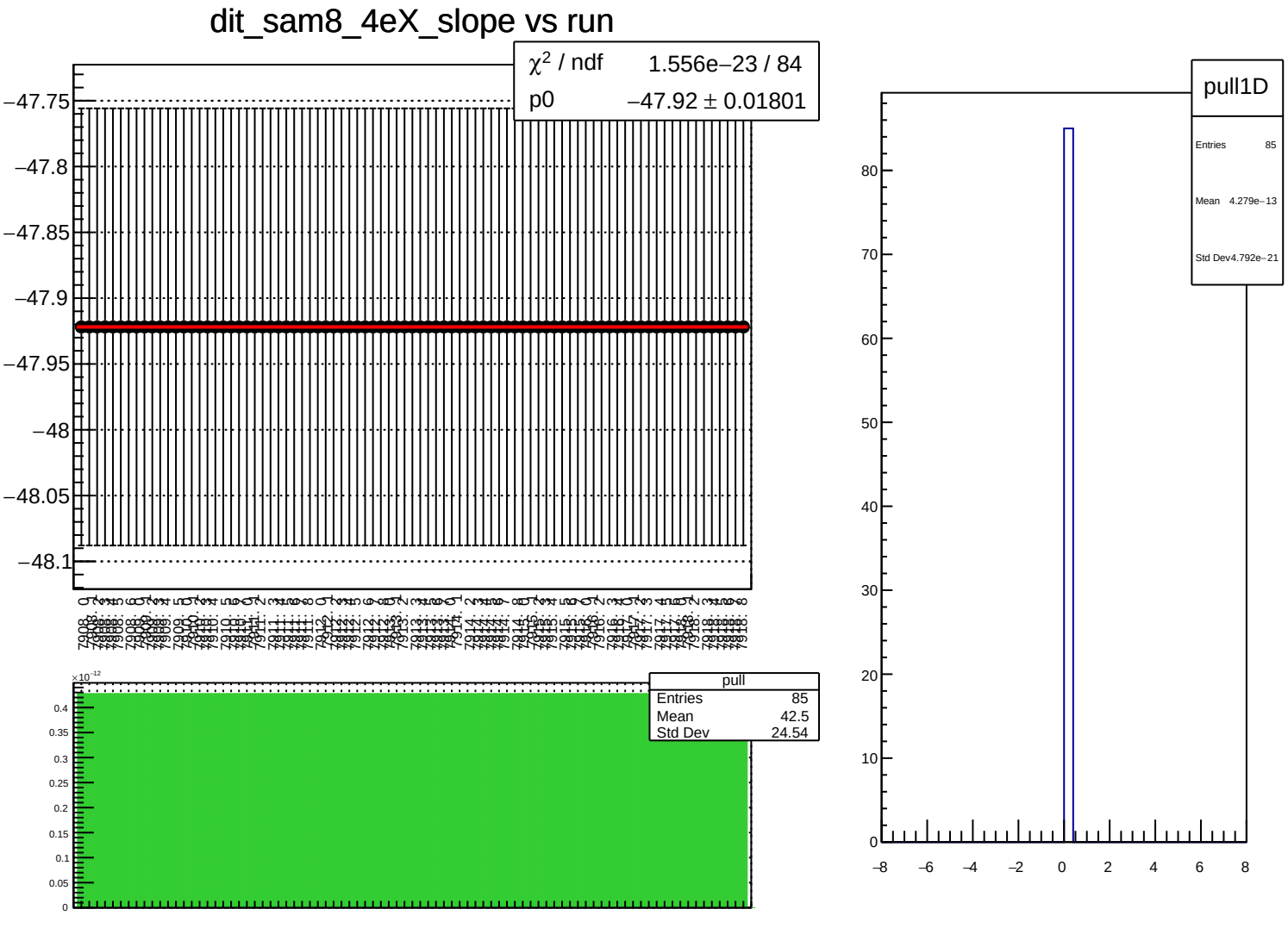
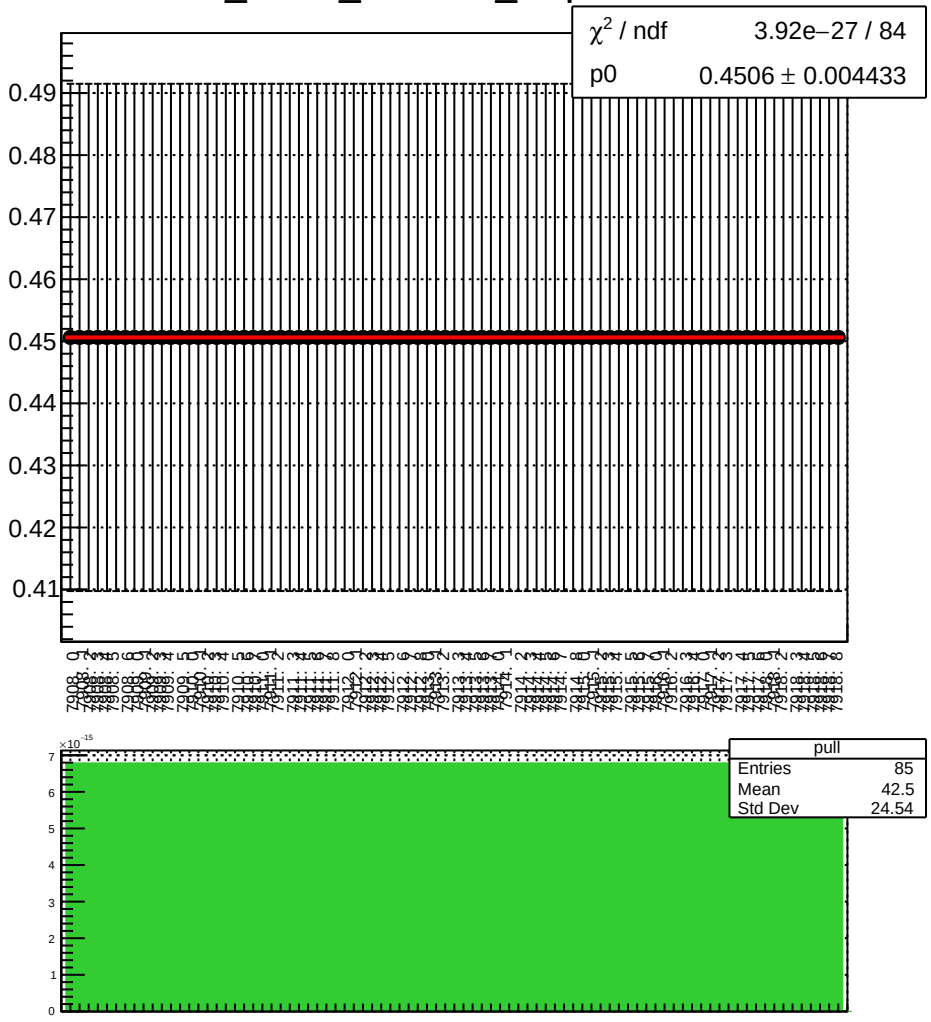
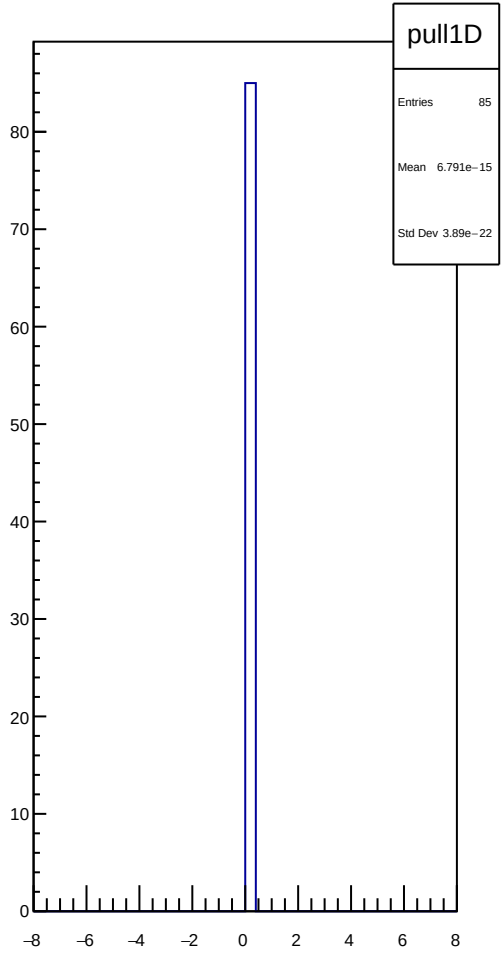
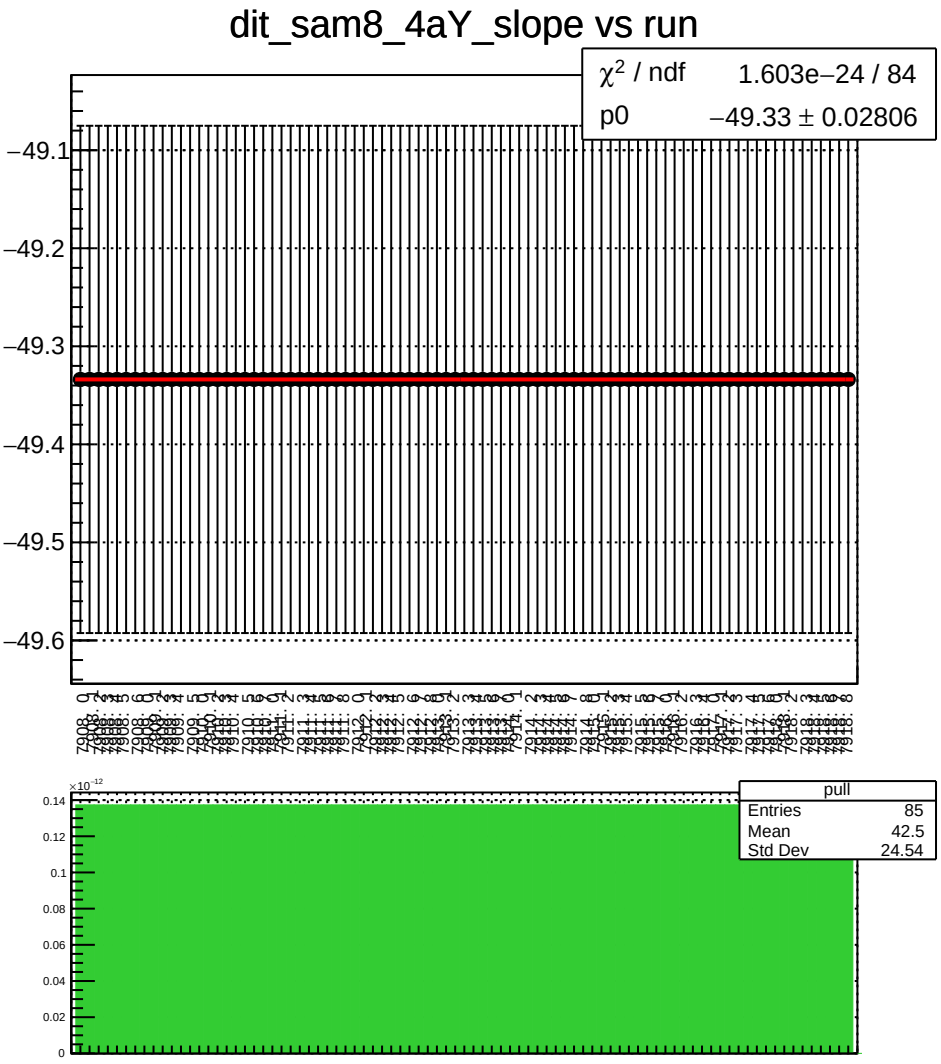
6
8

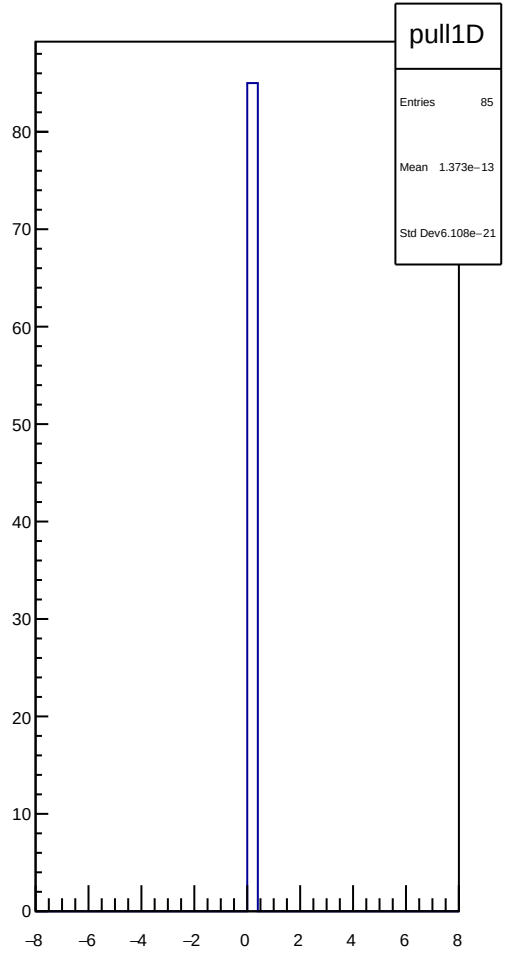

dit_sam8_4eX_slope vs run
χ² / ndf 1.556e−23 / 84
p0 −47.92 ± 0.01801
−47.75
−47.8
−47.85
−47.9
−47.95
−48
−48.05
−48.1
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
pull1D
Entries 85
Mean 4.279e−13
Std Dev 4.792e−21

dit_sam8_11X12X_slope vs run






dit_sam8_4aY_slope vs run
χ^2 / ndf 1.603e−24 / 84
p0 −49.33 ± 0.02806
−49.1
−49.2
−49.3
−49.4
−49.5
−49.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0


pull1D
Entries 85
Mean 1.373e−13
Std Dev6.108e−21
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50
40
30
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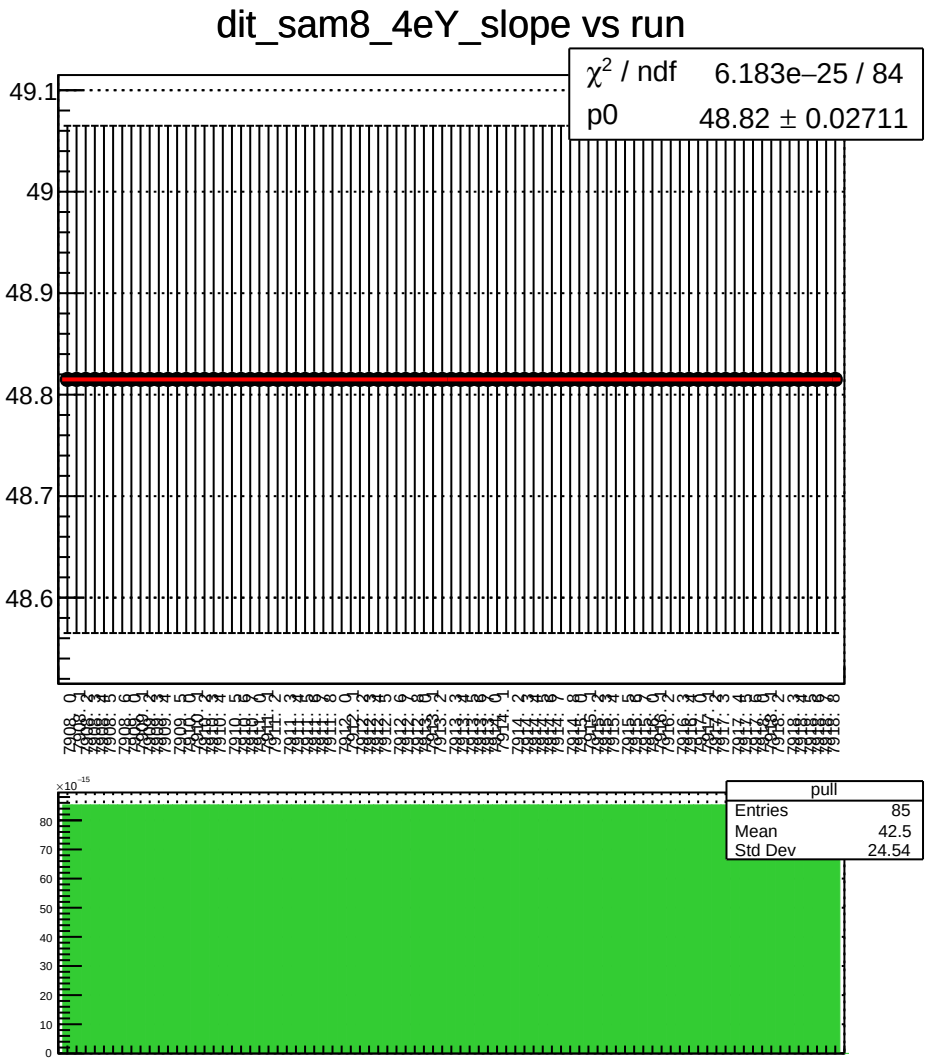
dit_sam8_4eY_slope vs run
χ² / ndf 6.183e−25 / 84
p0 48.82 ± 0.02711
49.1
49
48.9
48.8
48.7
48.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
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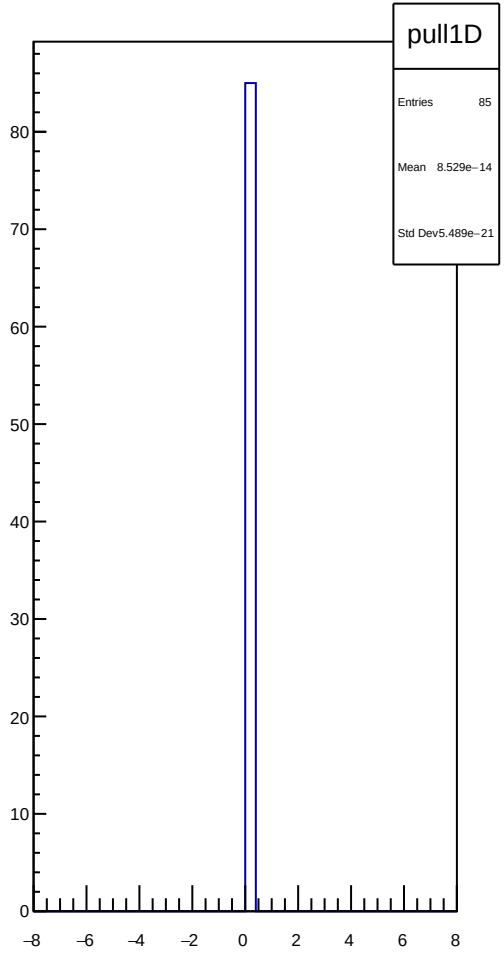
70
60
50
40
30
20
10
0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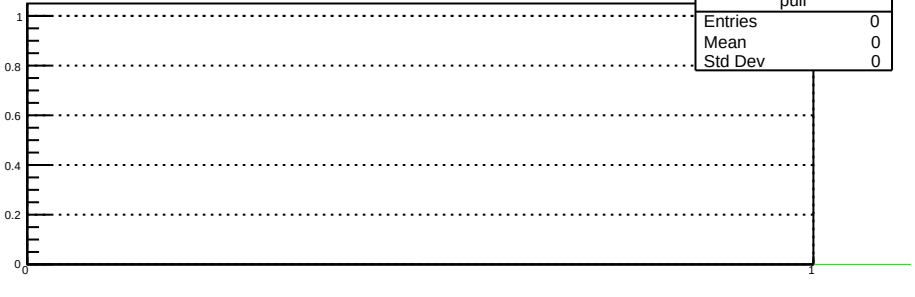
pull
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Std Dev 0
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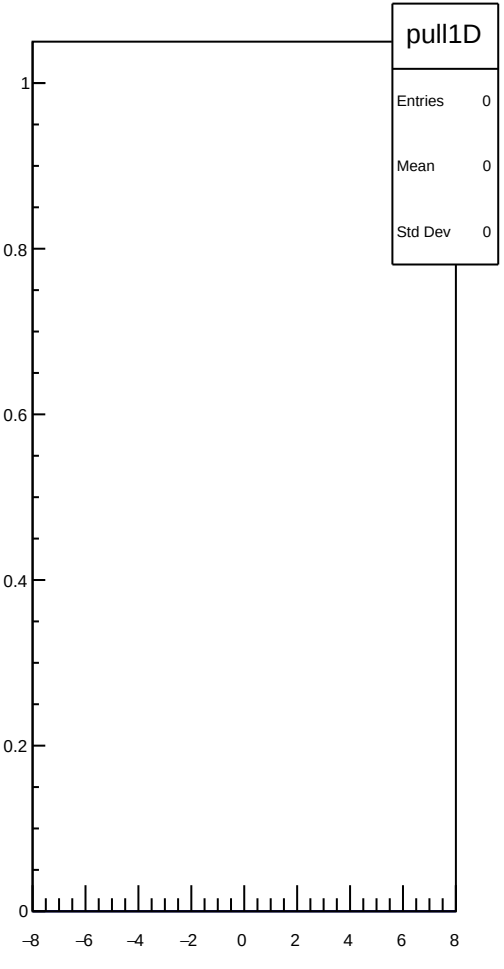
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Std Dev 0
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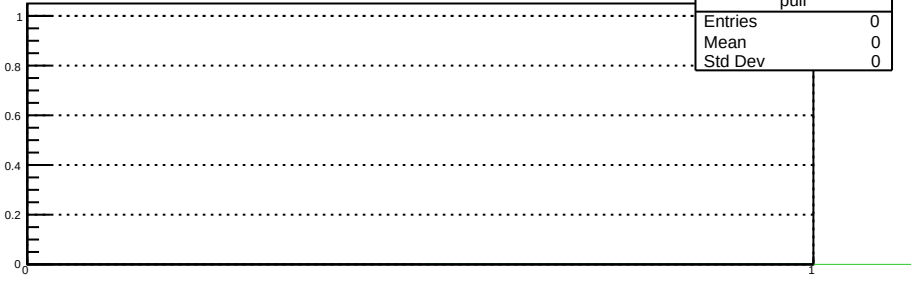
pull
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Std Dev 0
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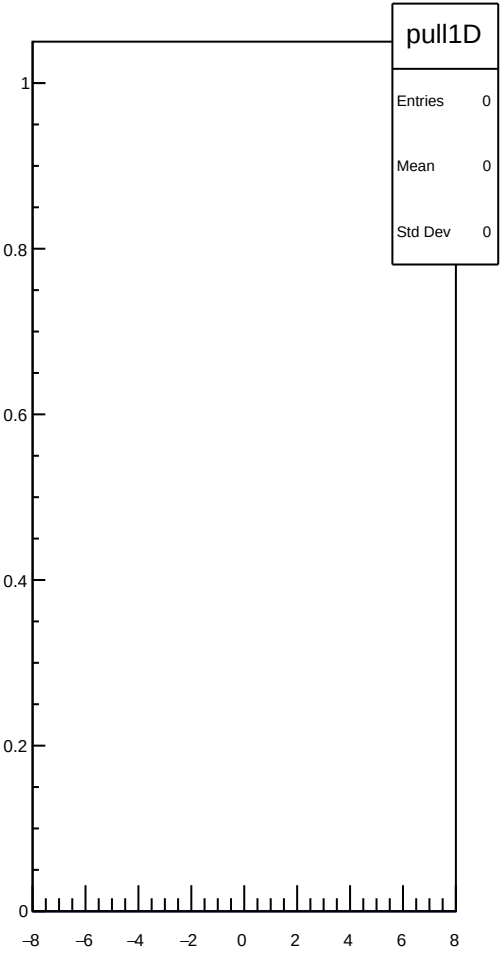
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Std Dev 0
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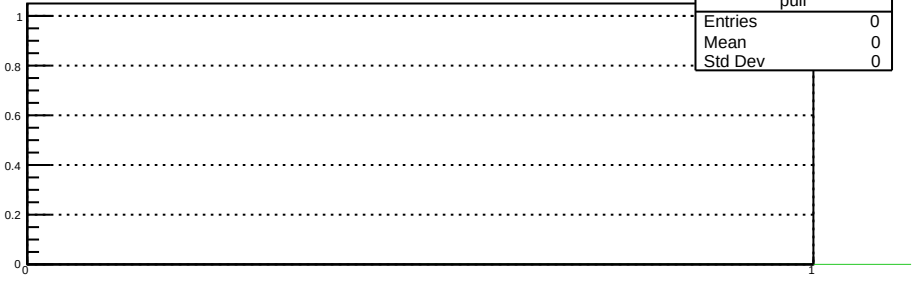
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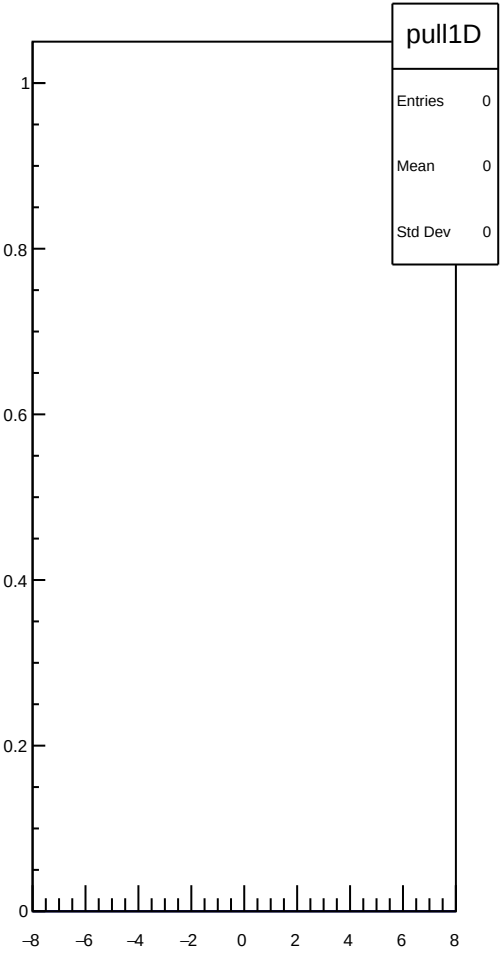
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Std Dev 0
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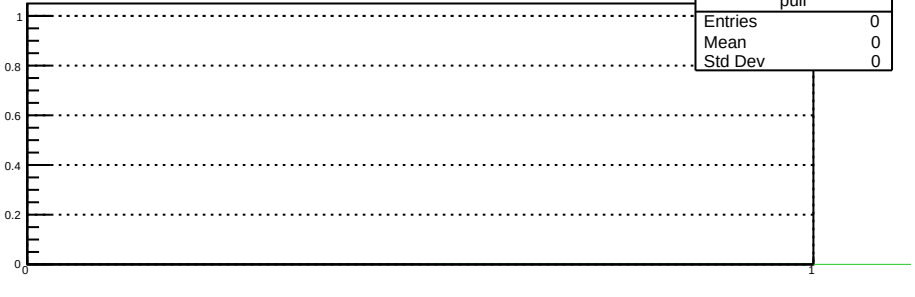
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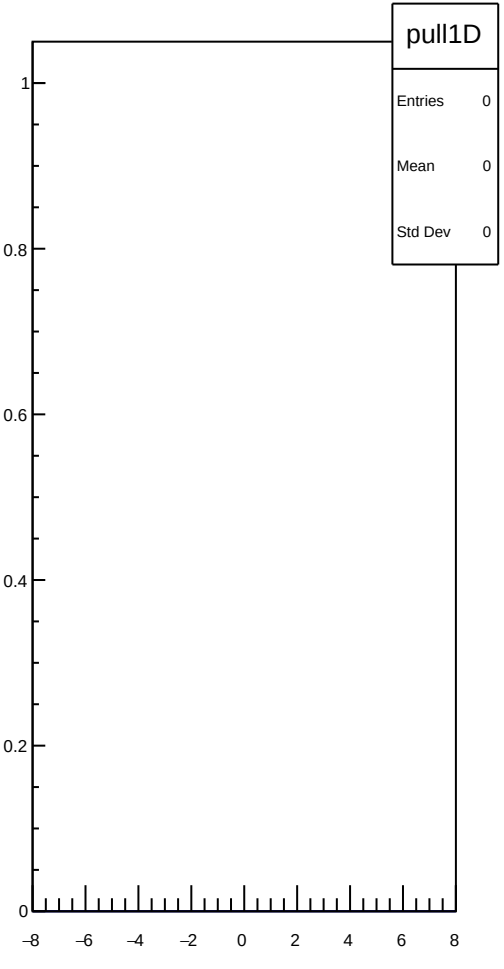
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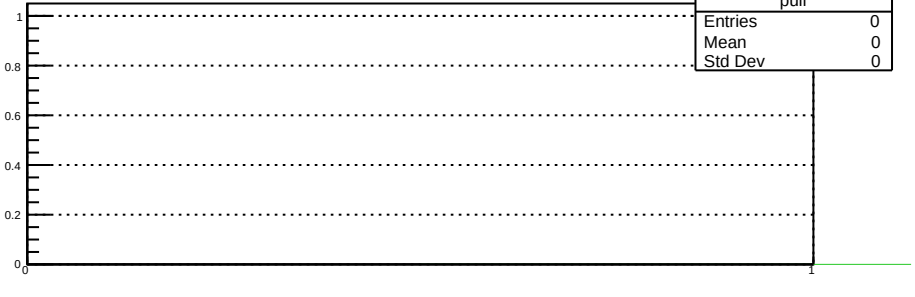
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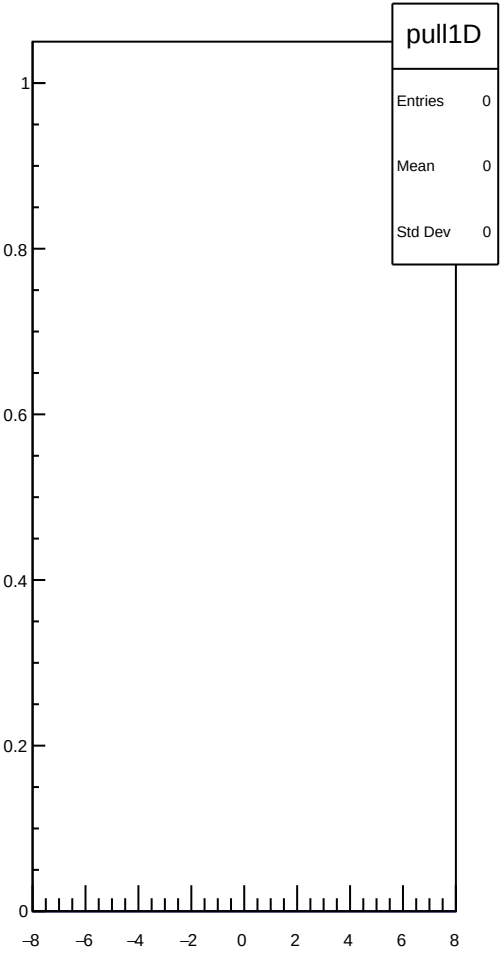
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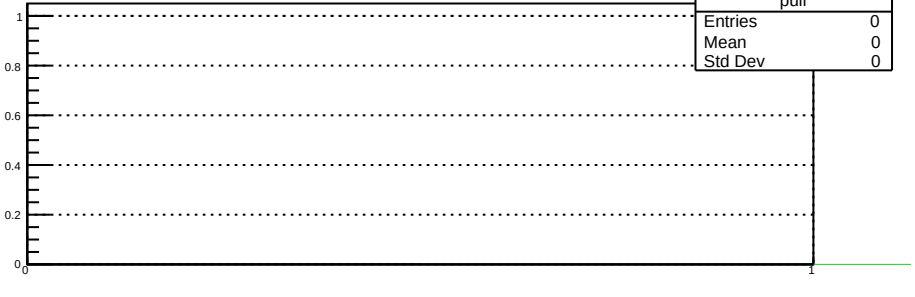
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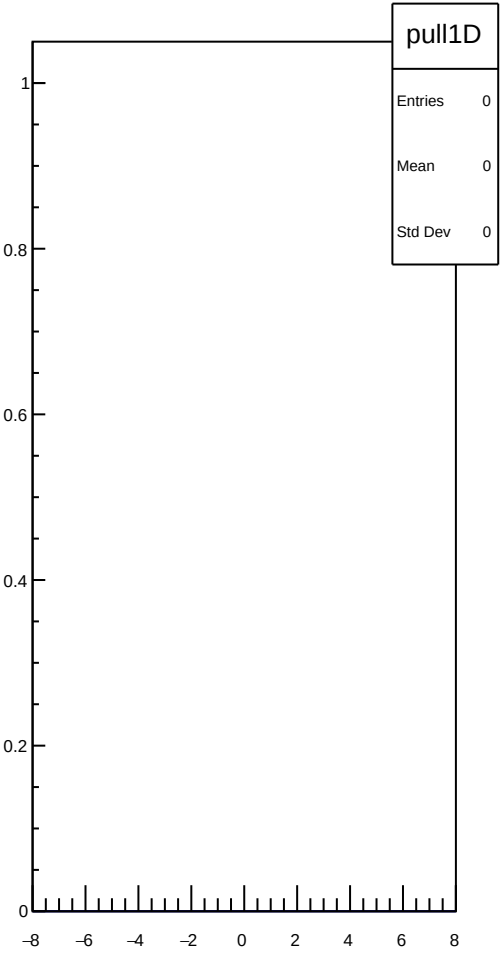
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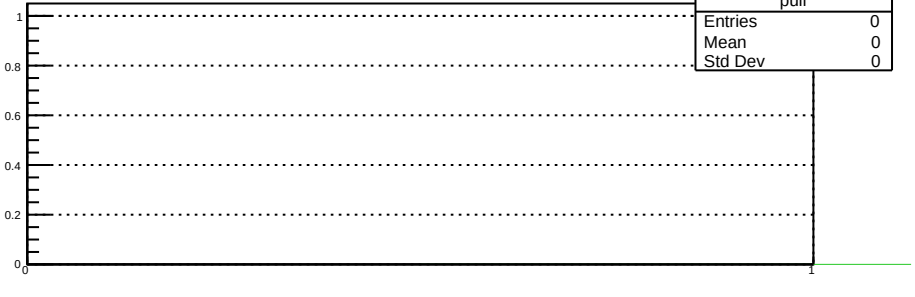
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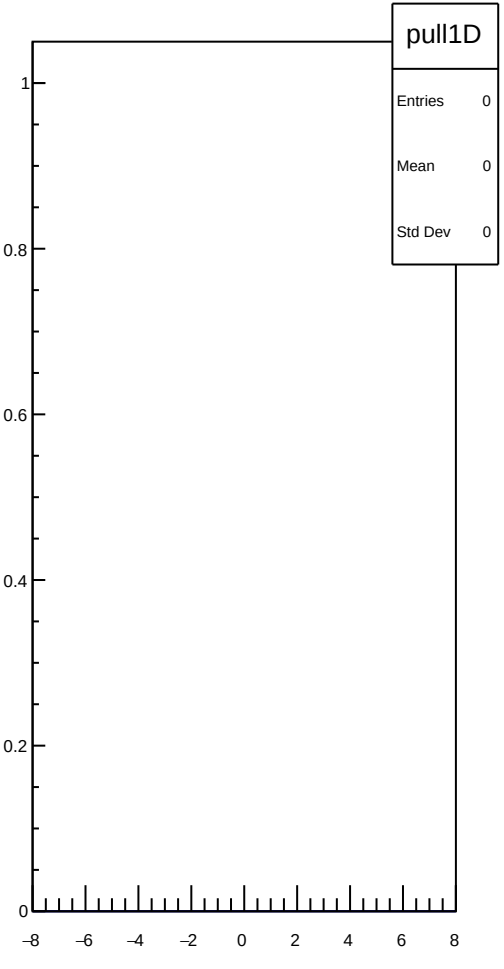
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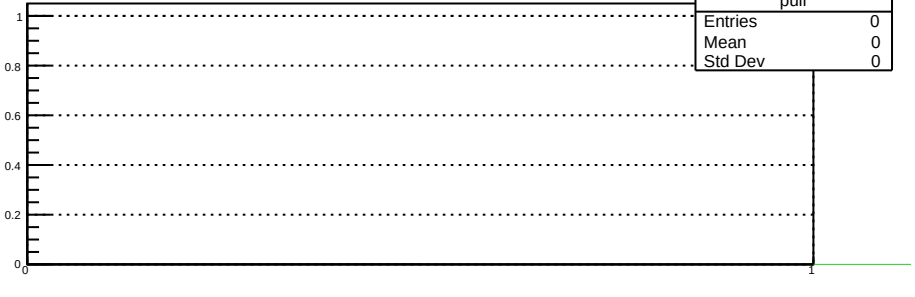
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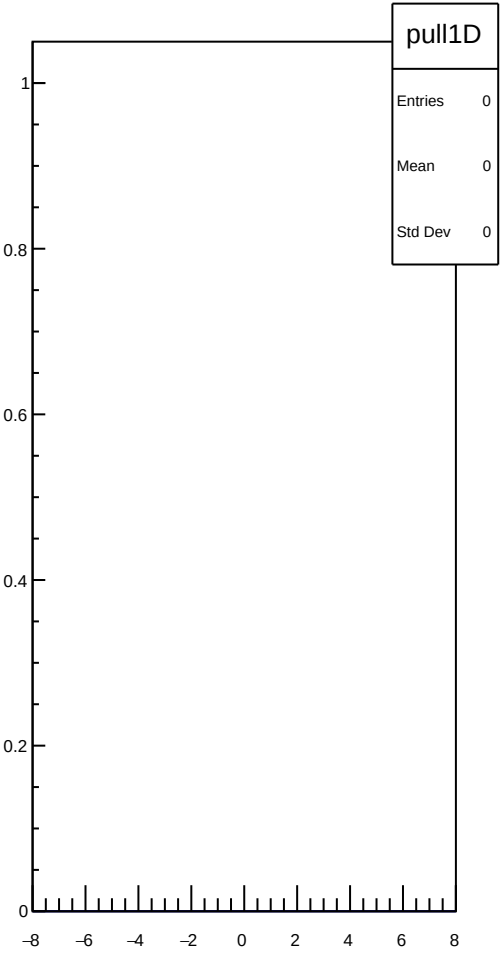
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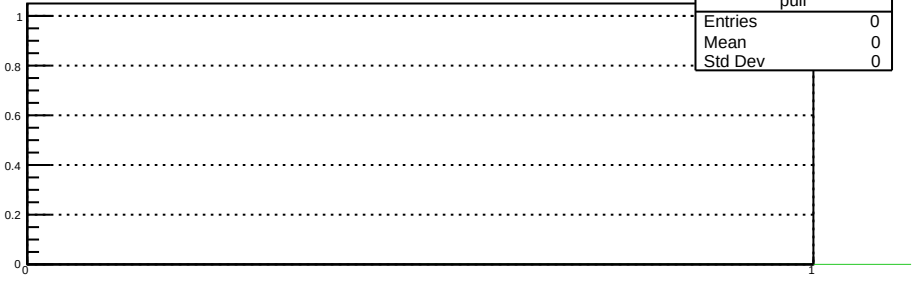
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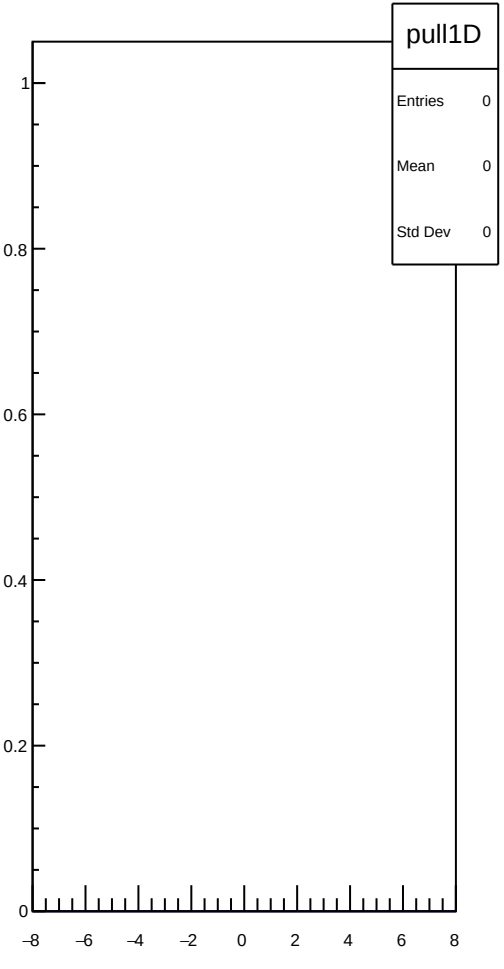
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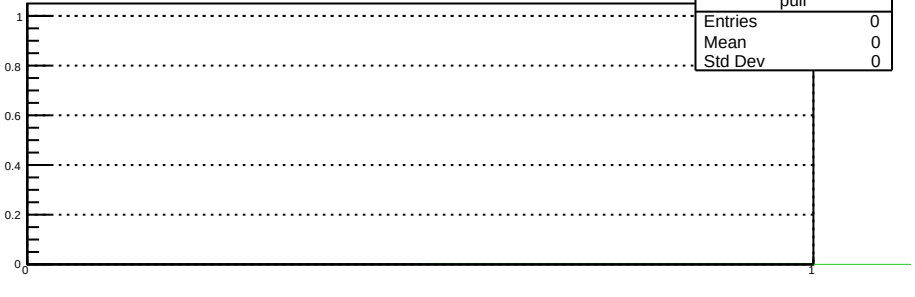
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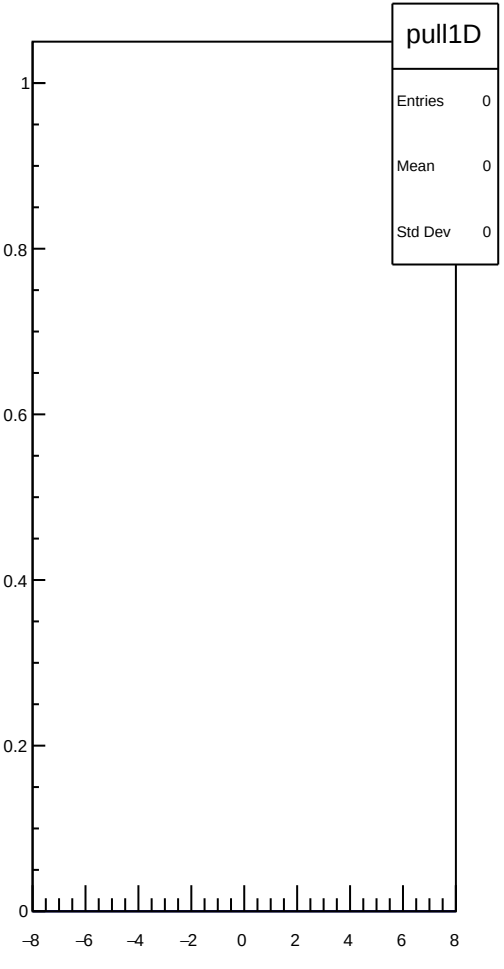
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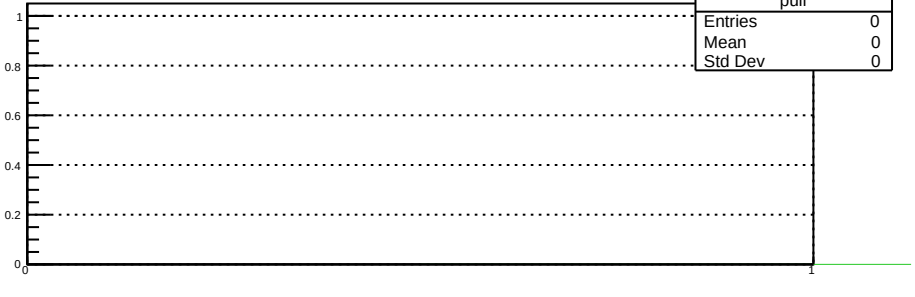
pull
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Std Dev 0
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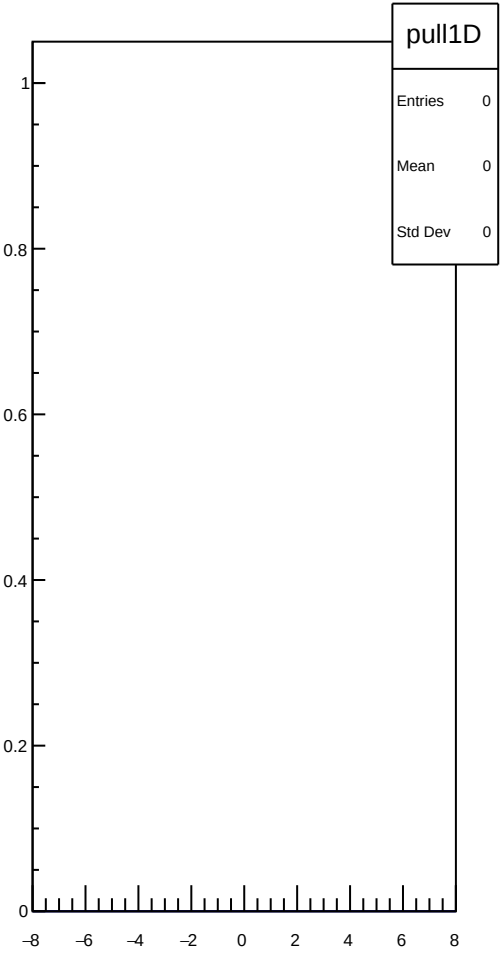
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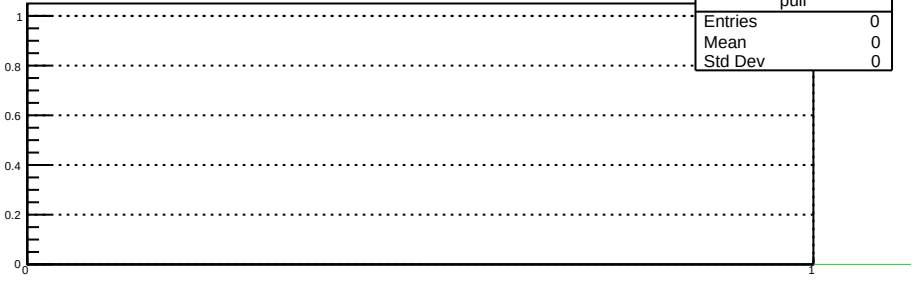
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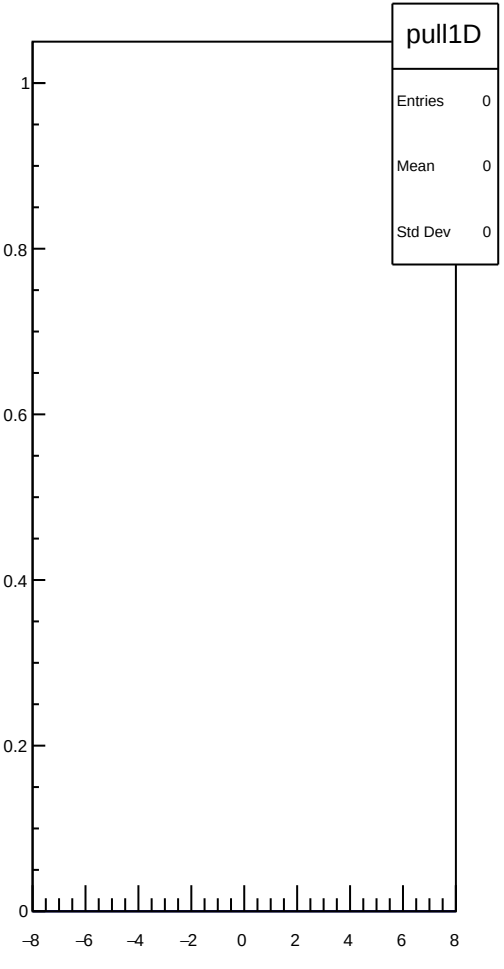
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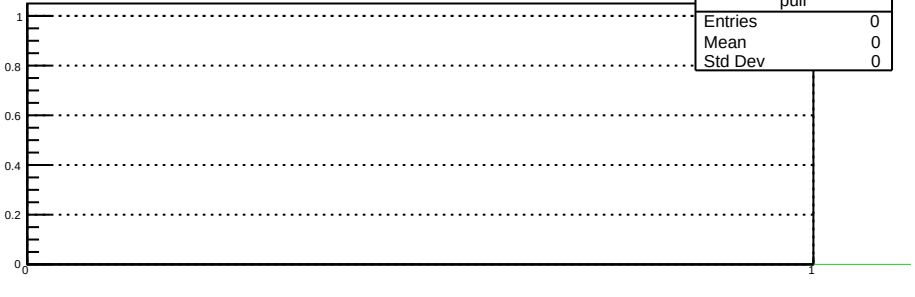
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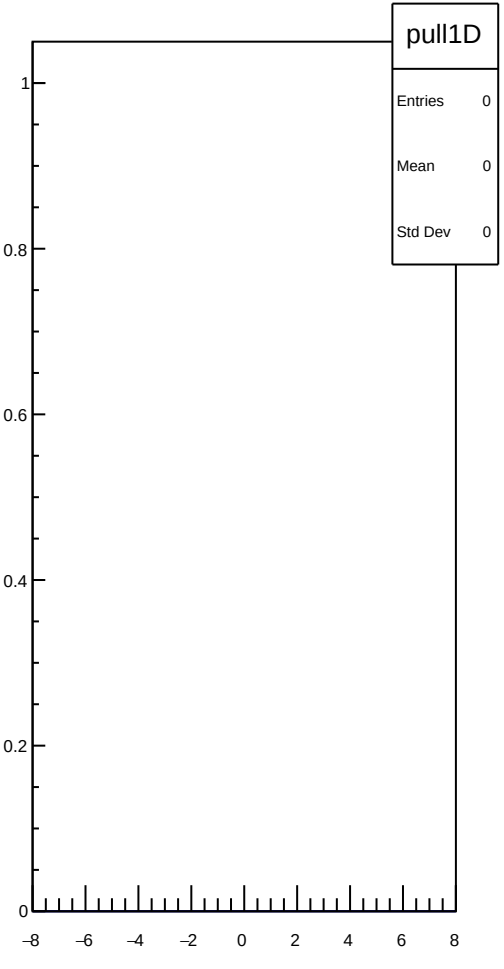
pull1D
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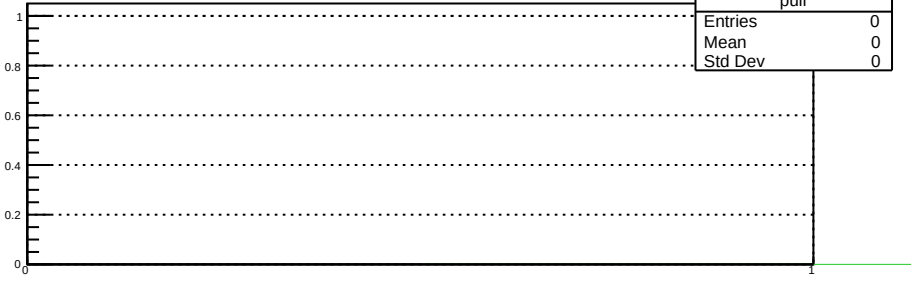
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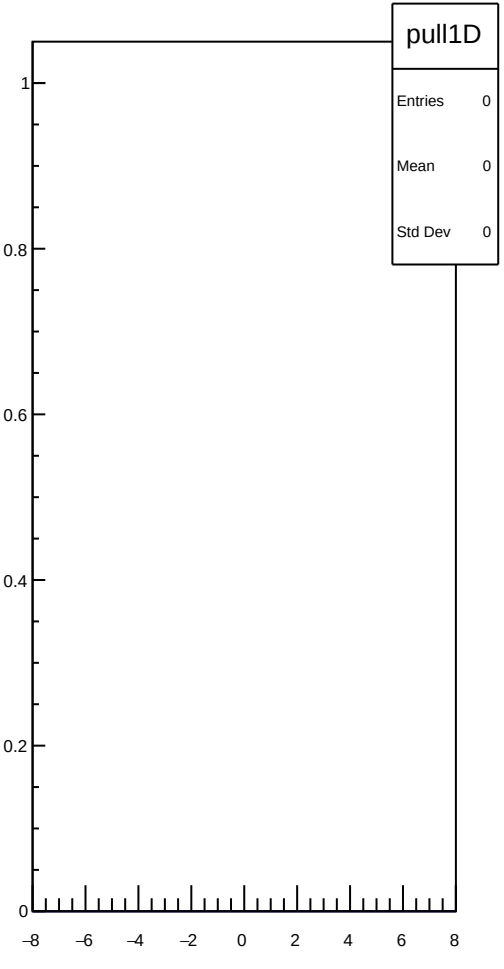
pull1D
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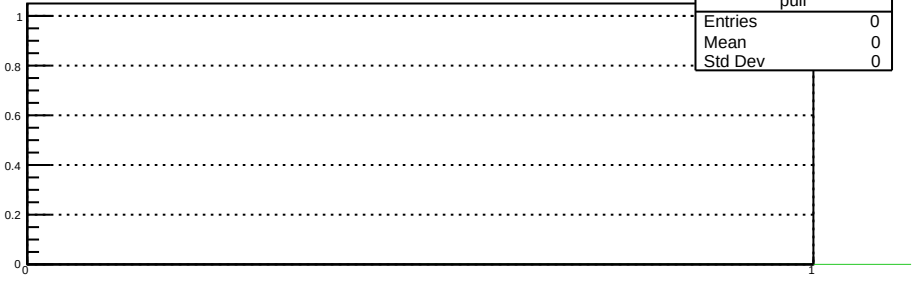
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Std Dev 0
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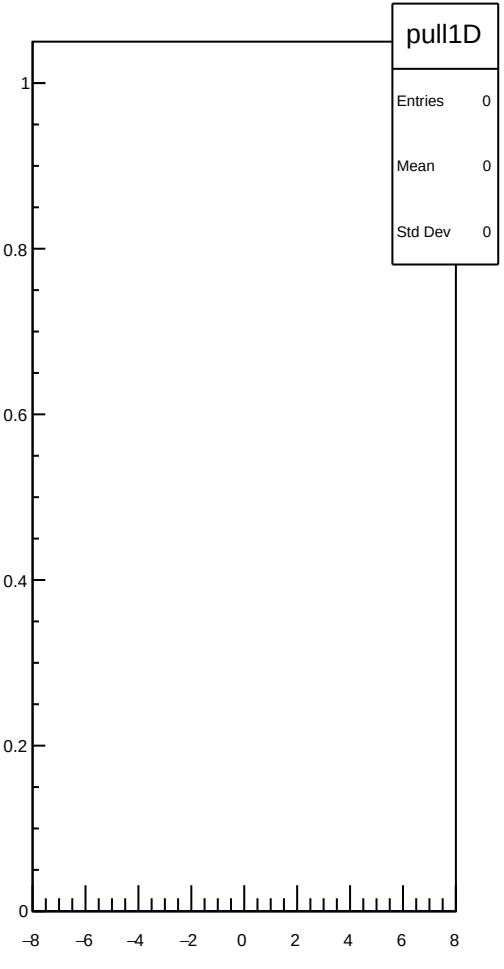
pull1D
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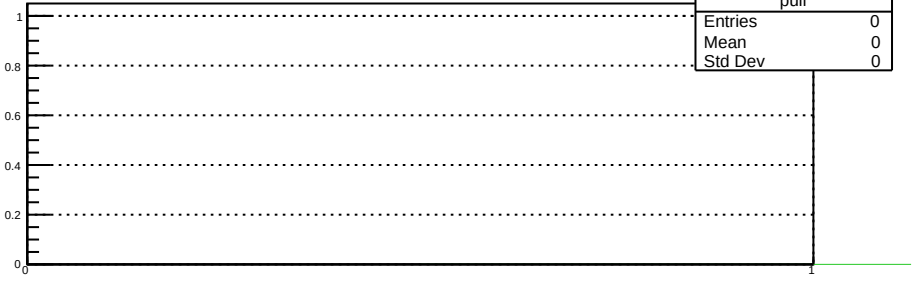
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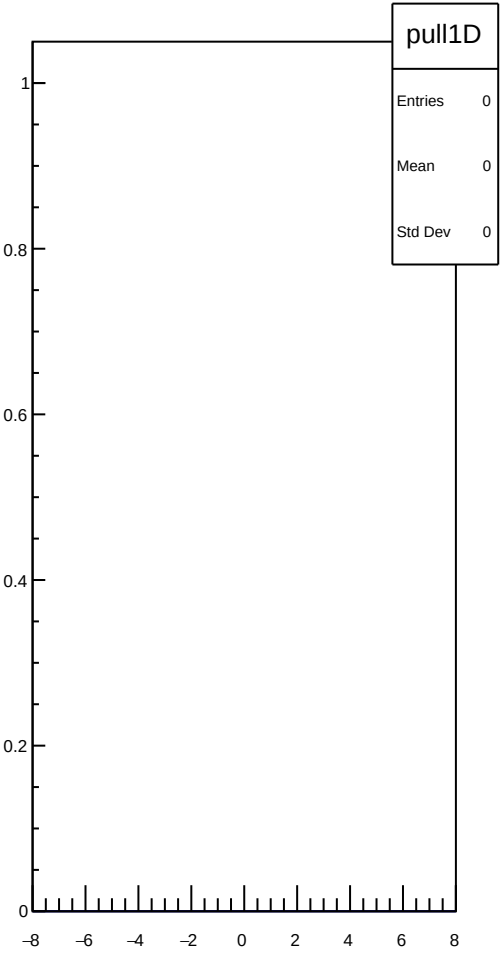
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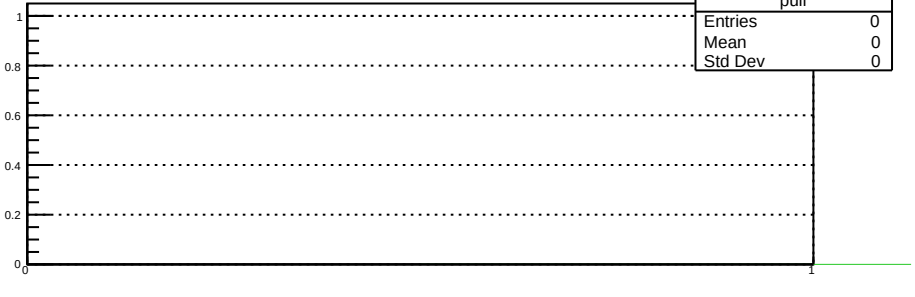
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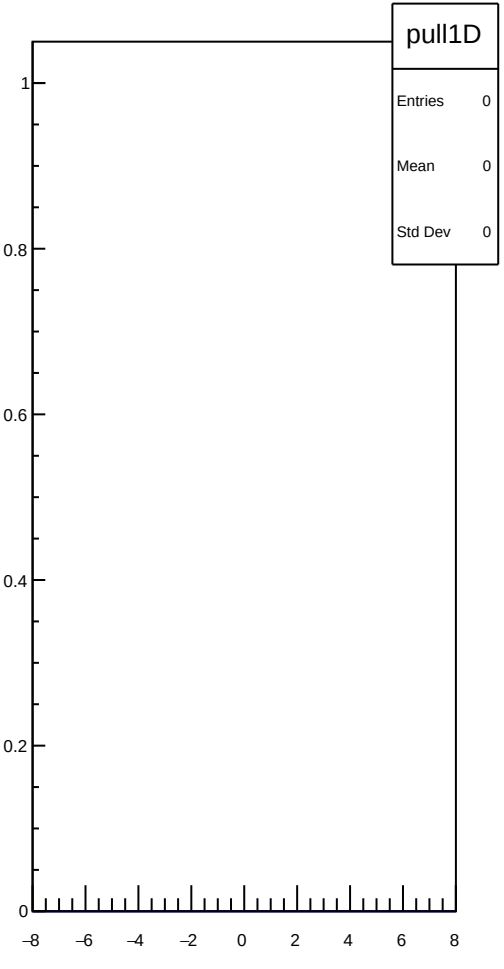
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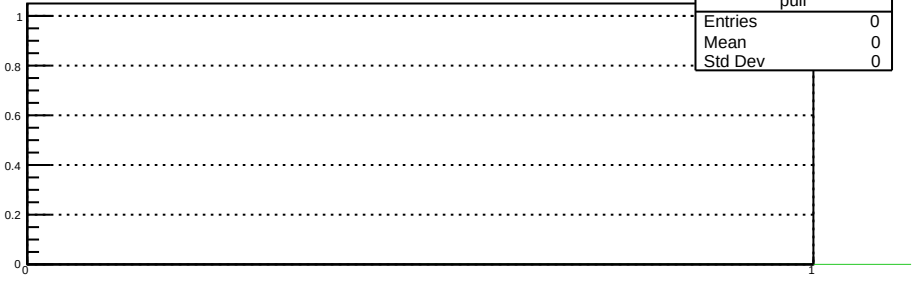
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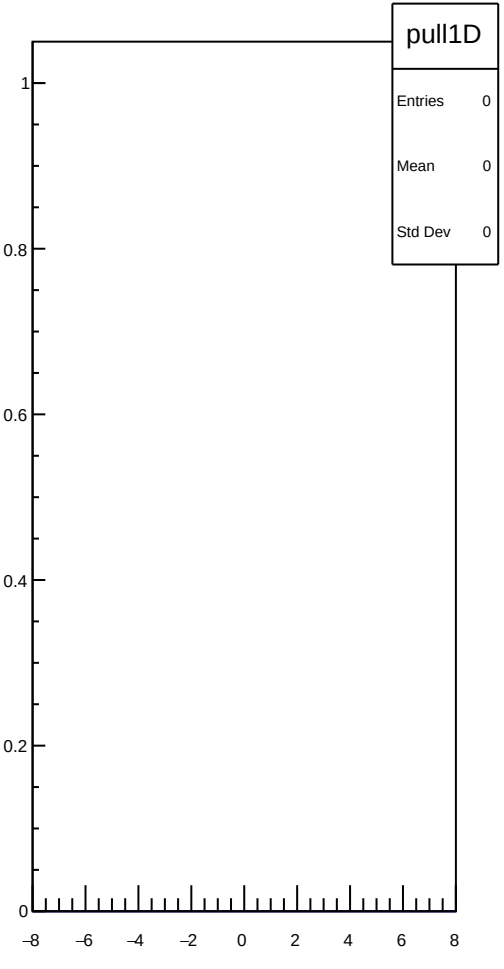
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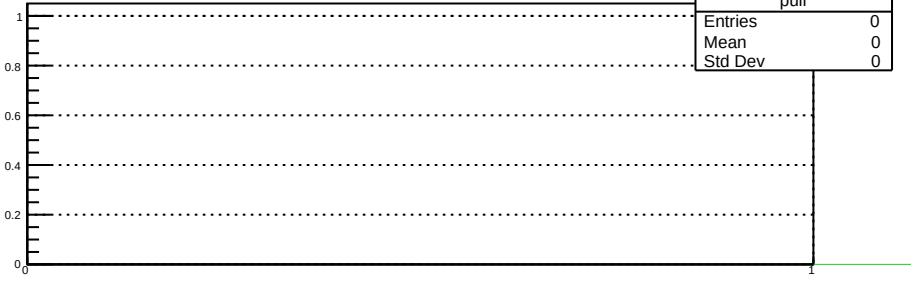
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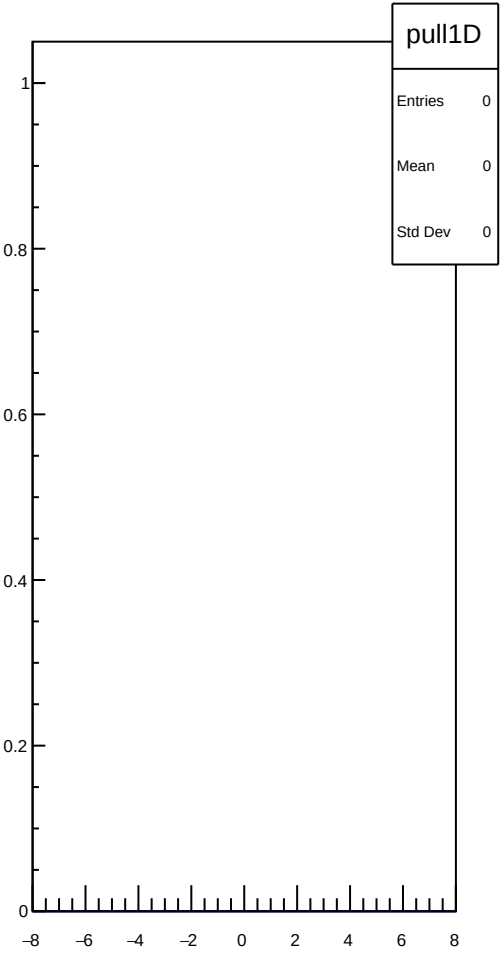
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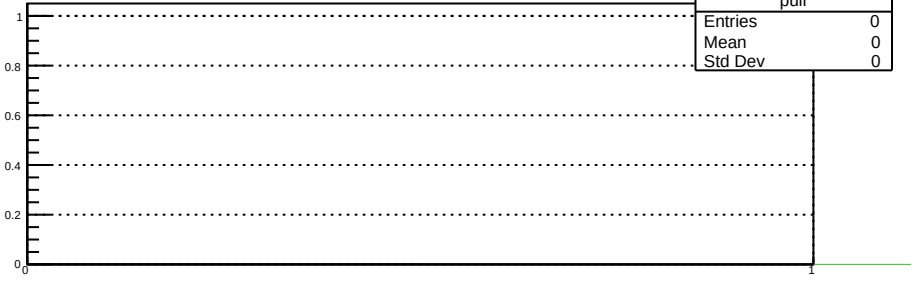
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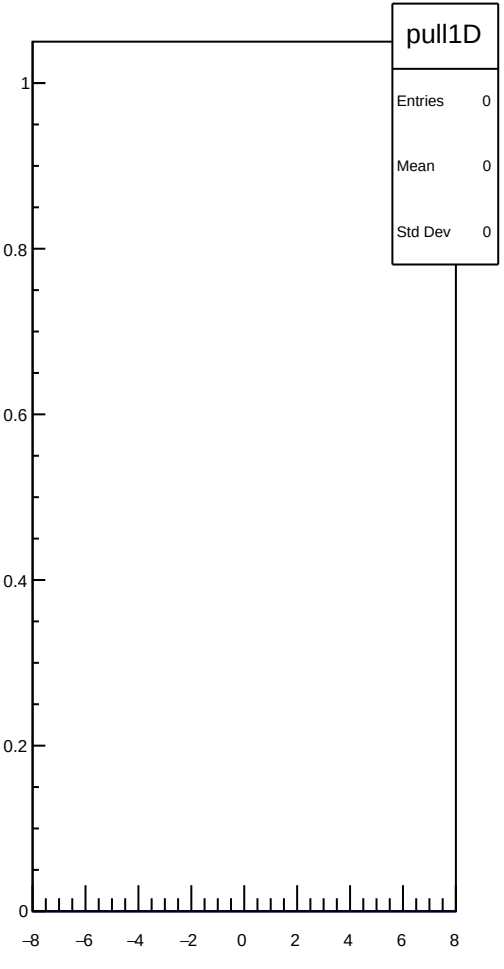
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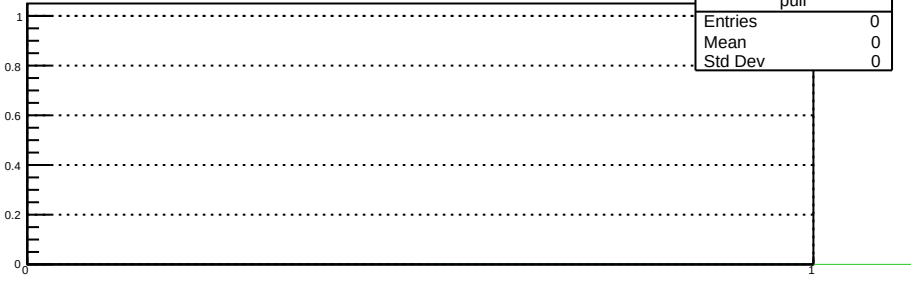
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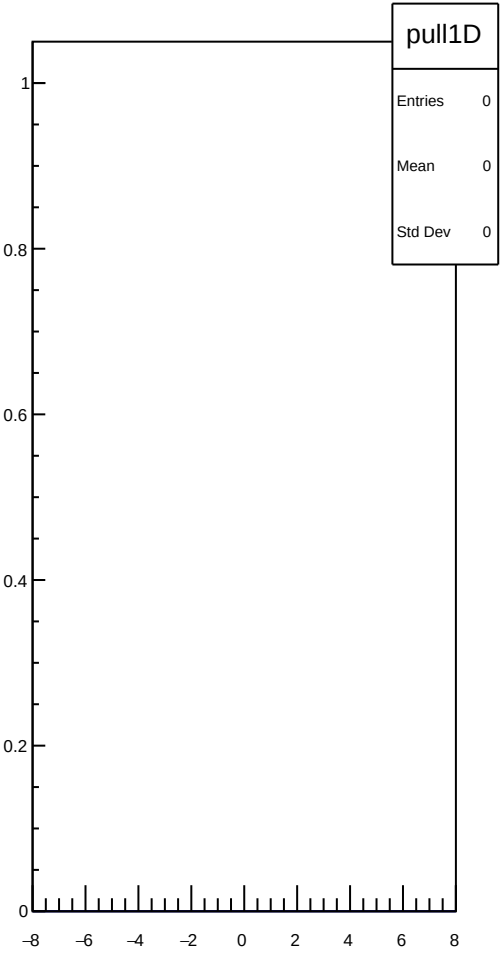
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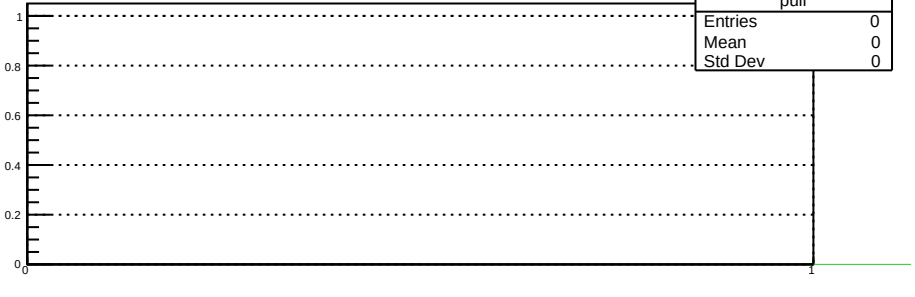
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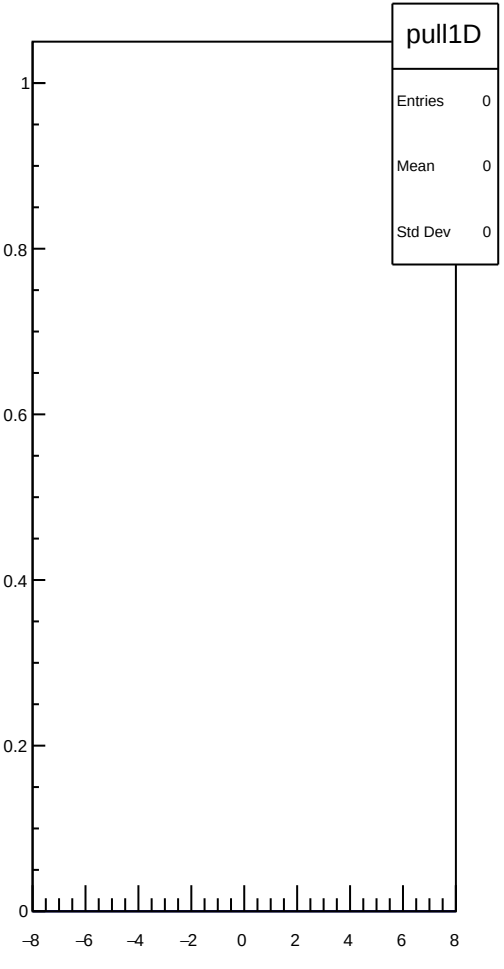
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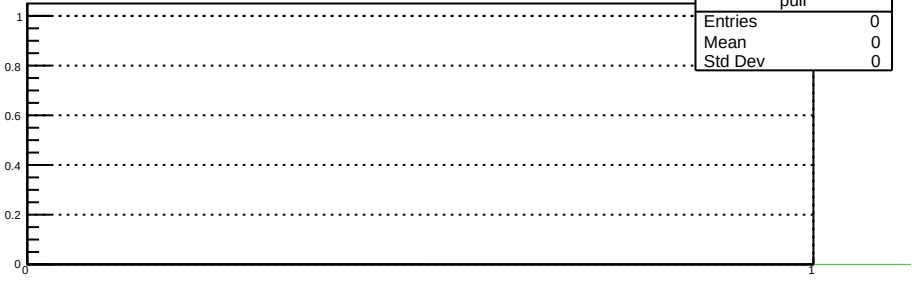
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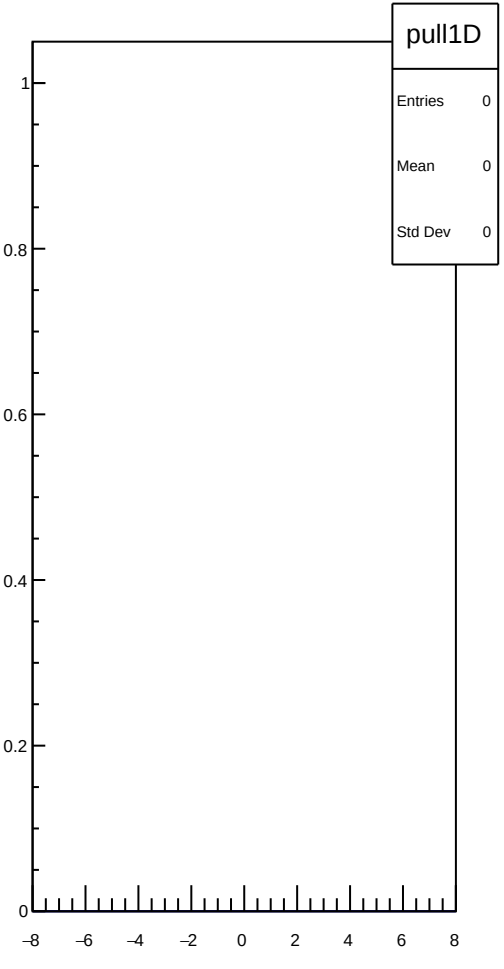
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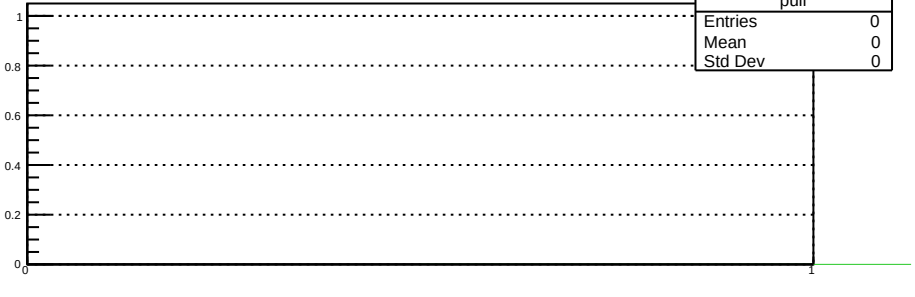
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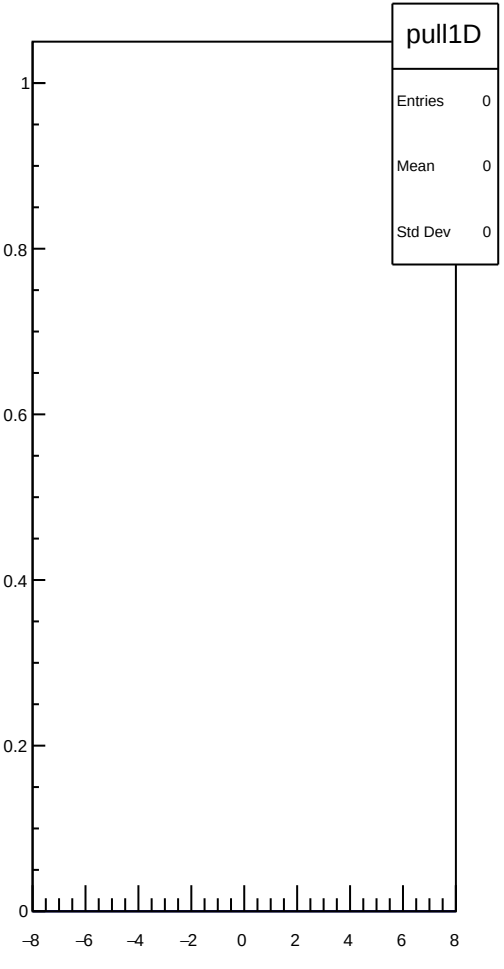
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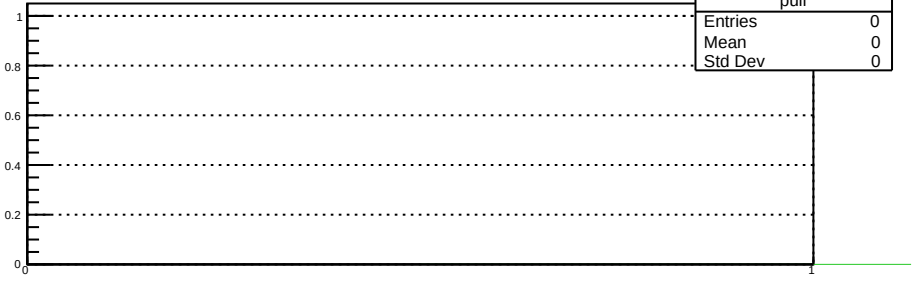
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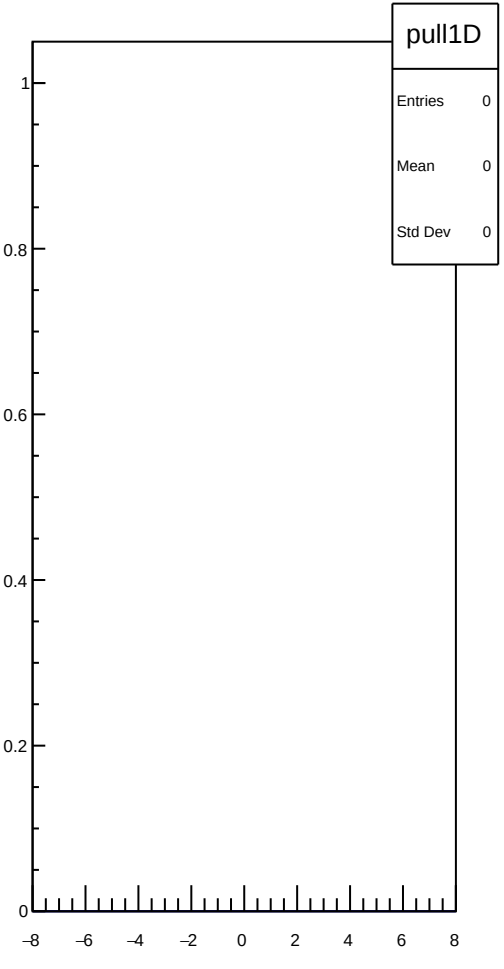
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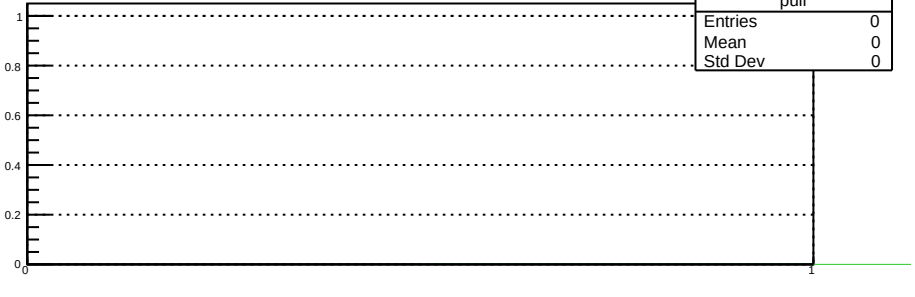
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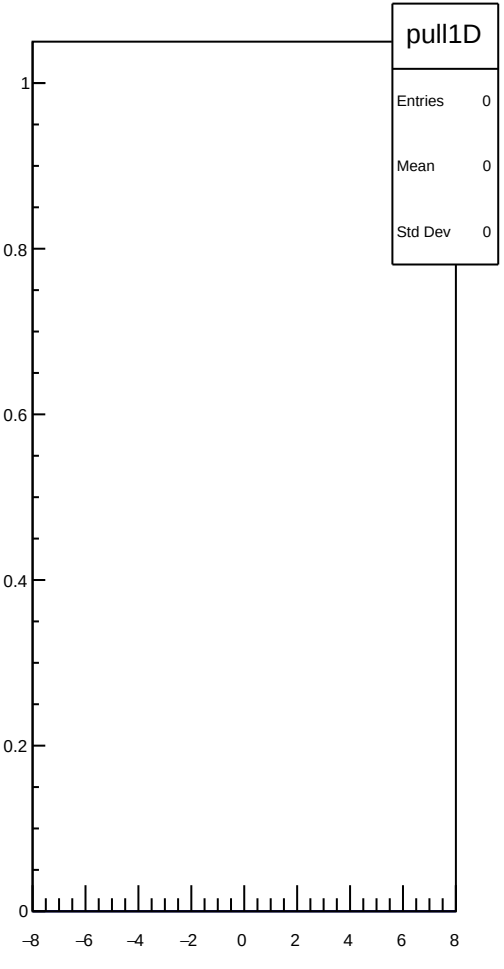
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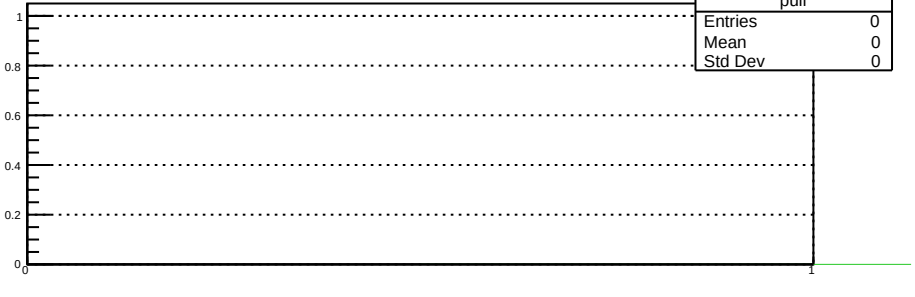
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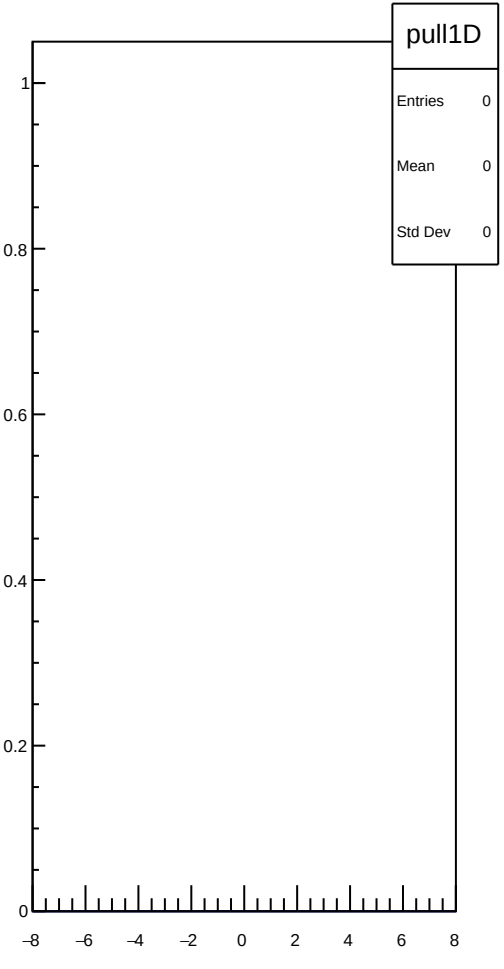
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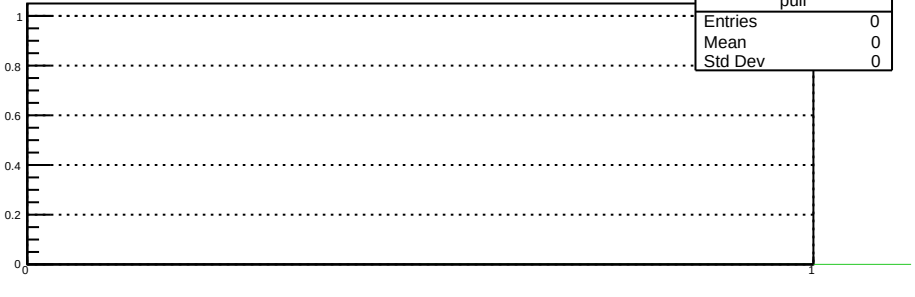
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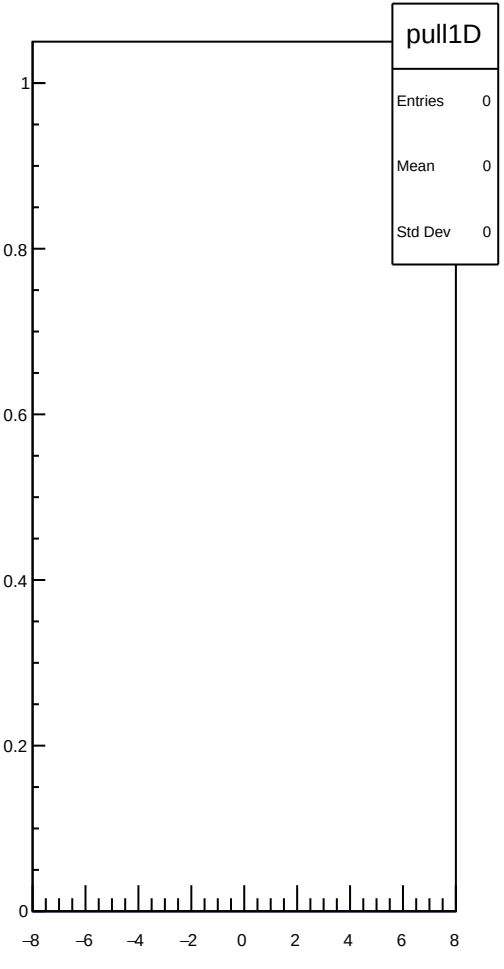
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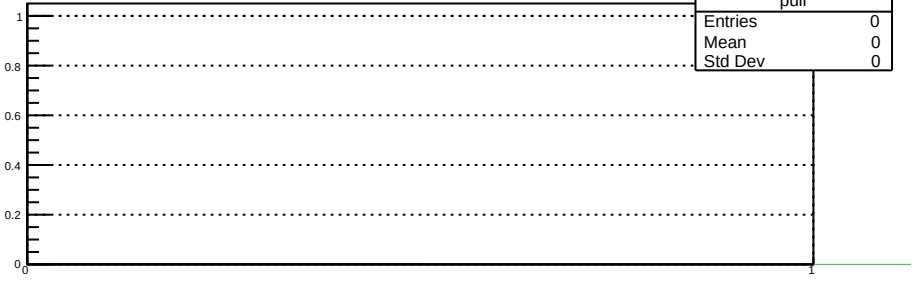
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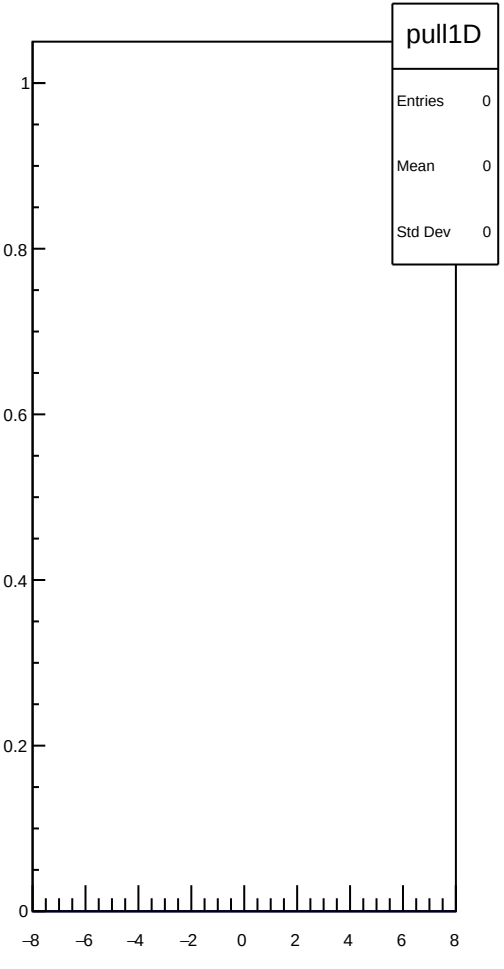
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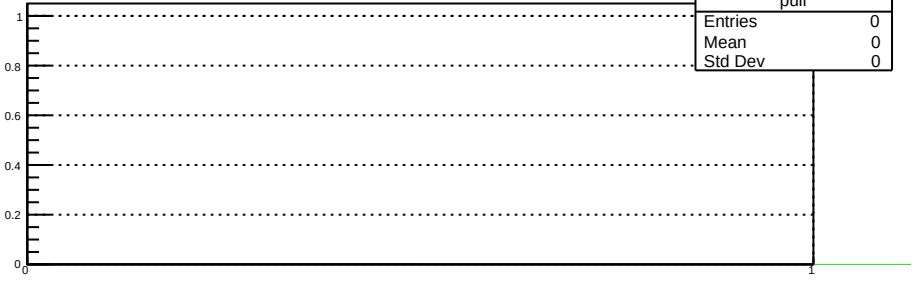
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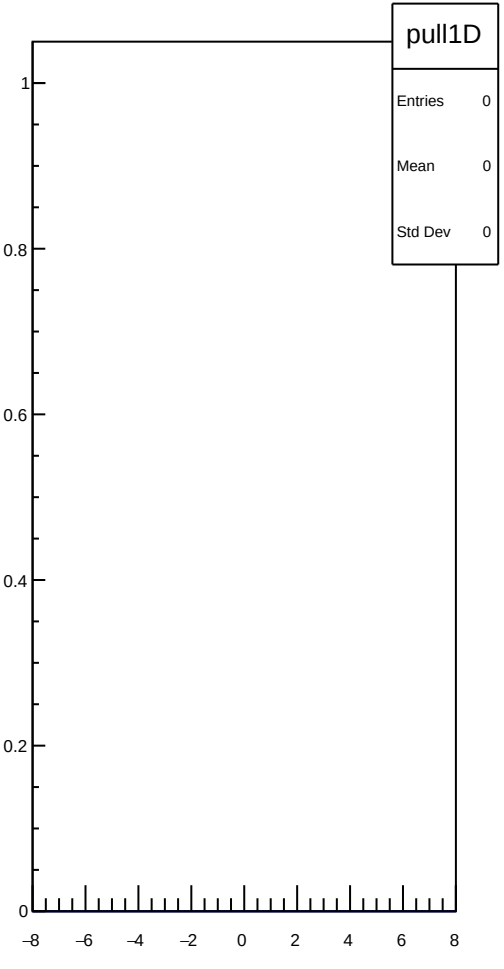
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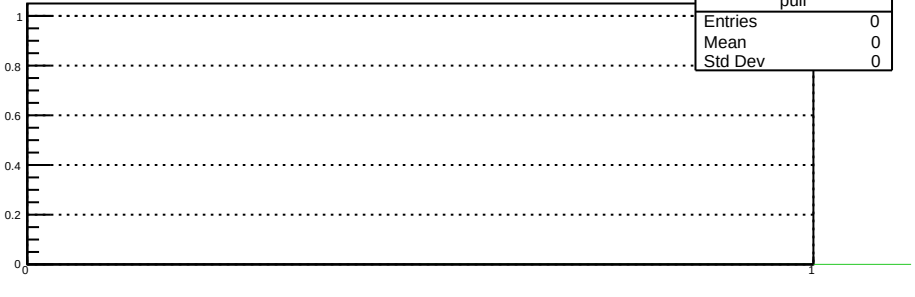
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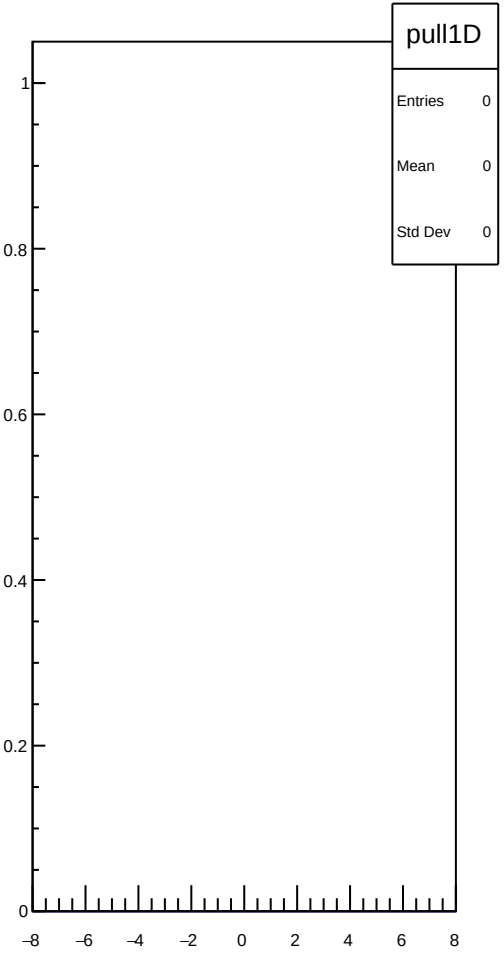
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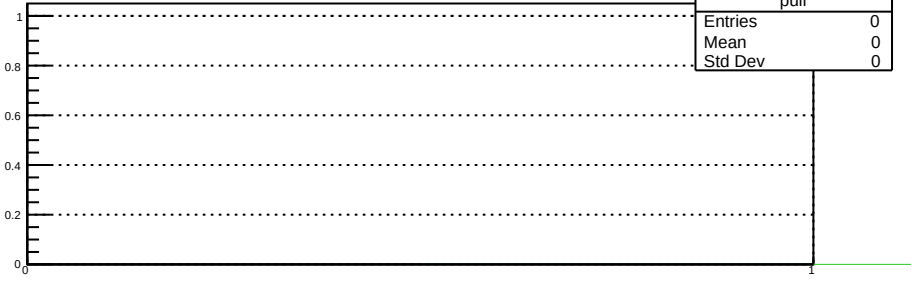
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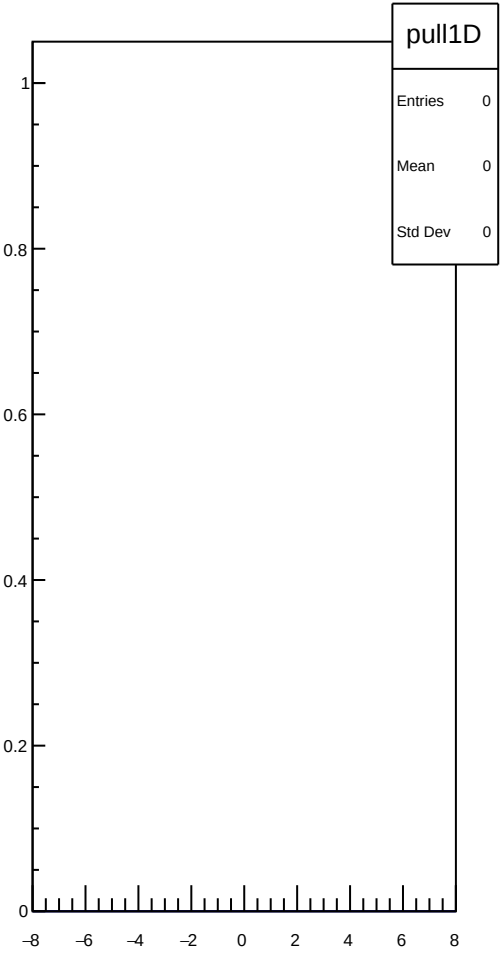
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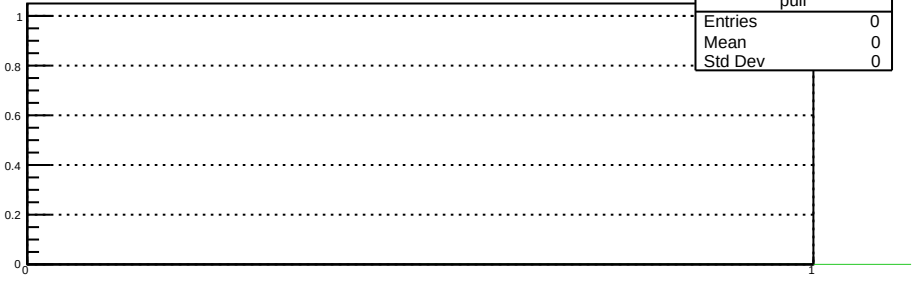
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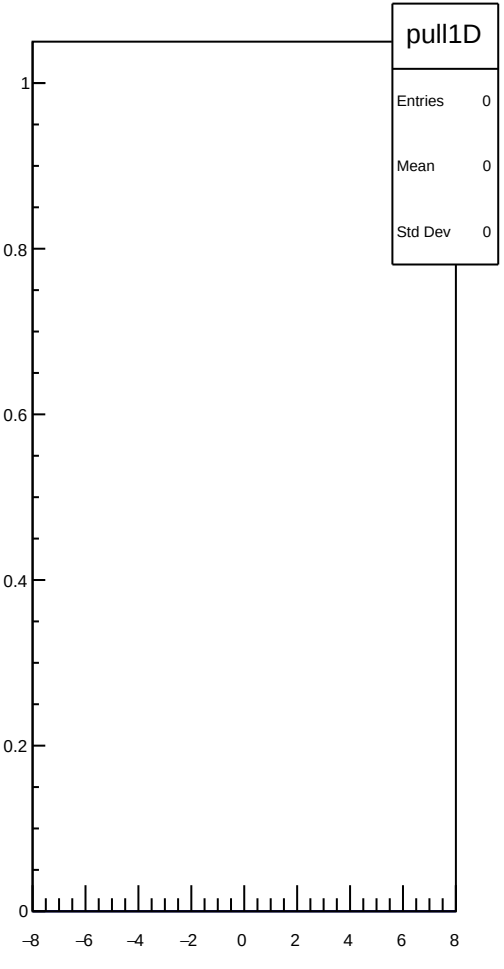
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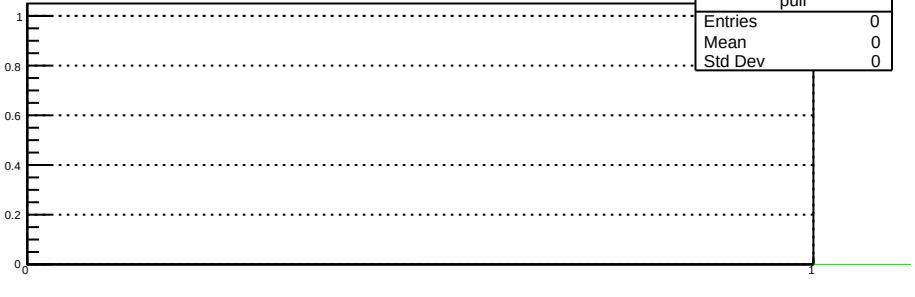
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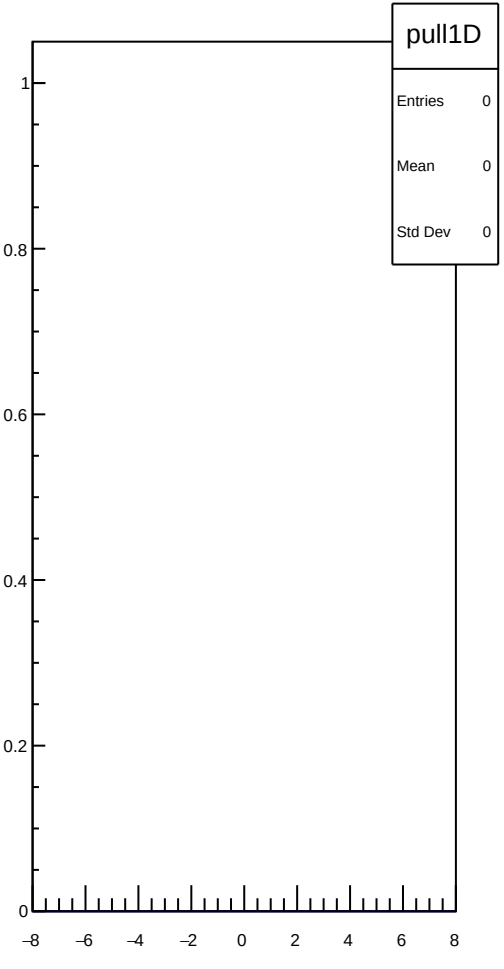
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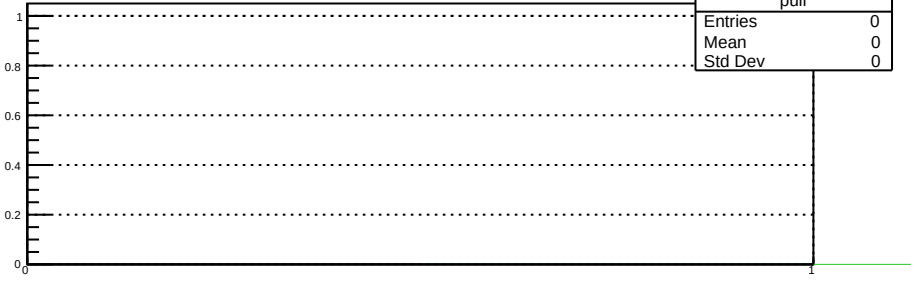
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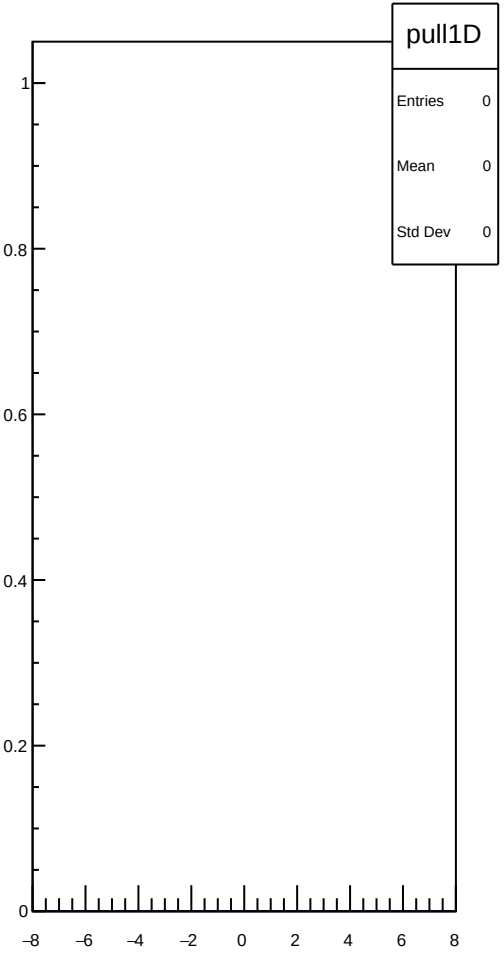
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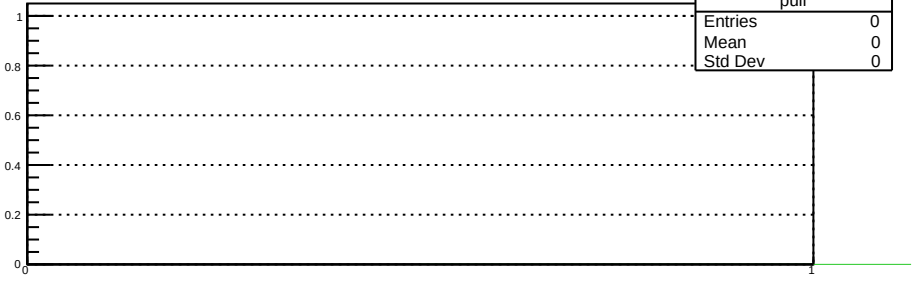
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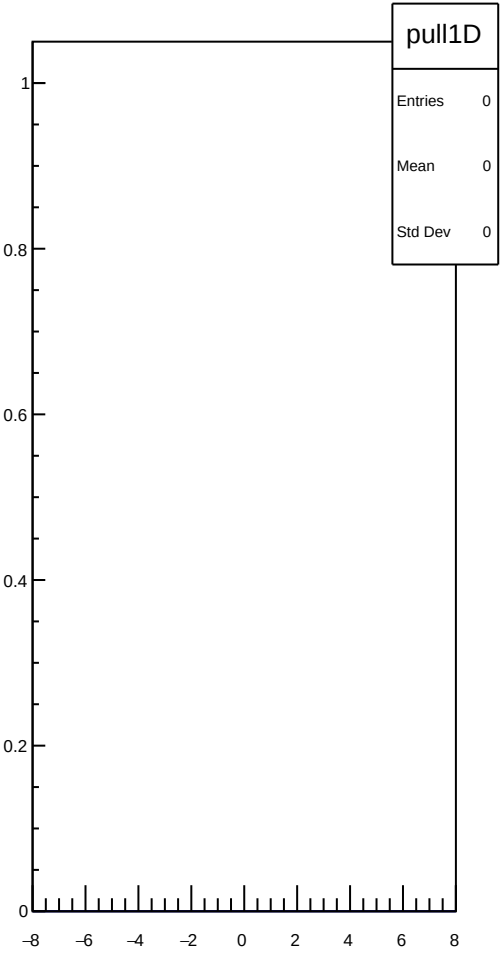
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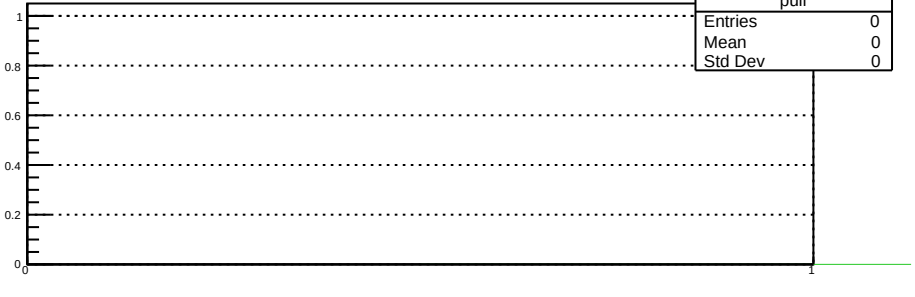
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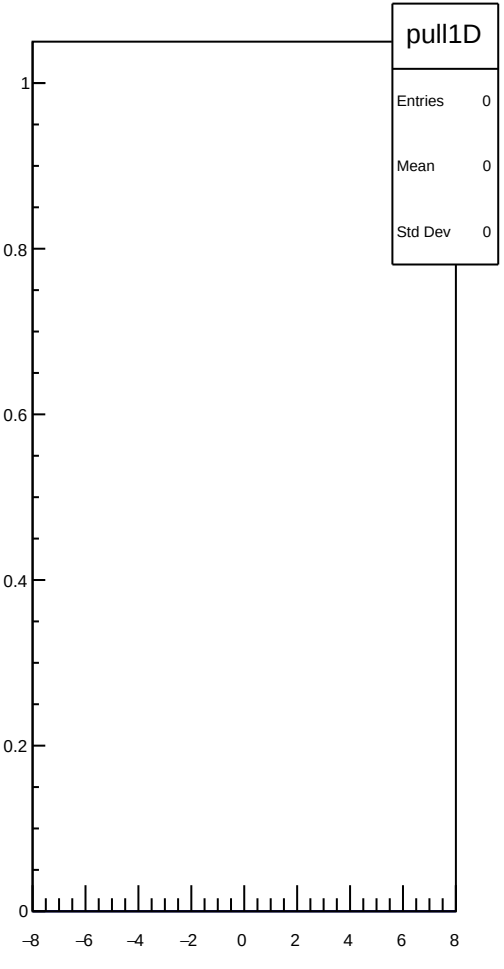
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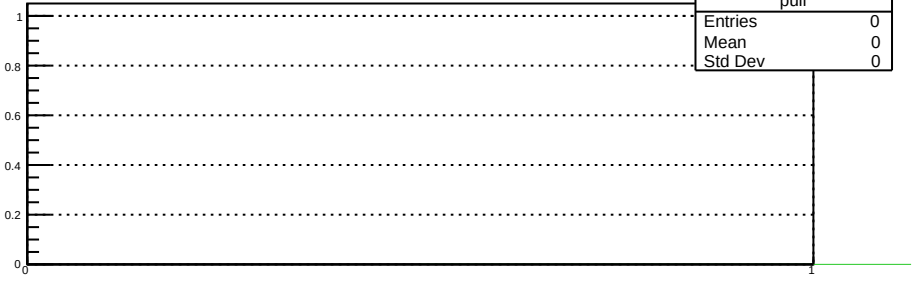
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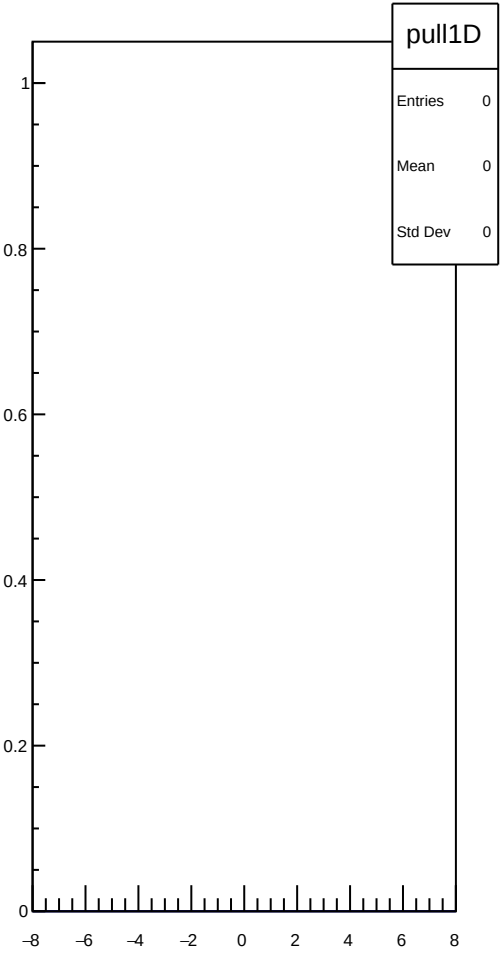
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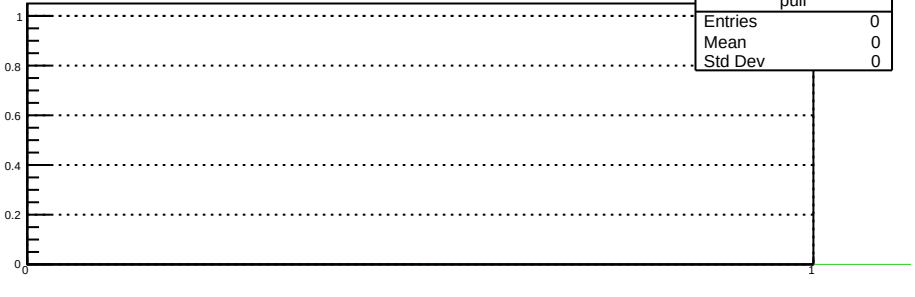
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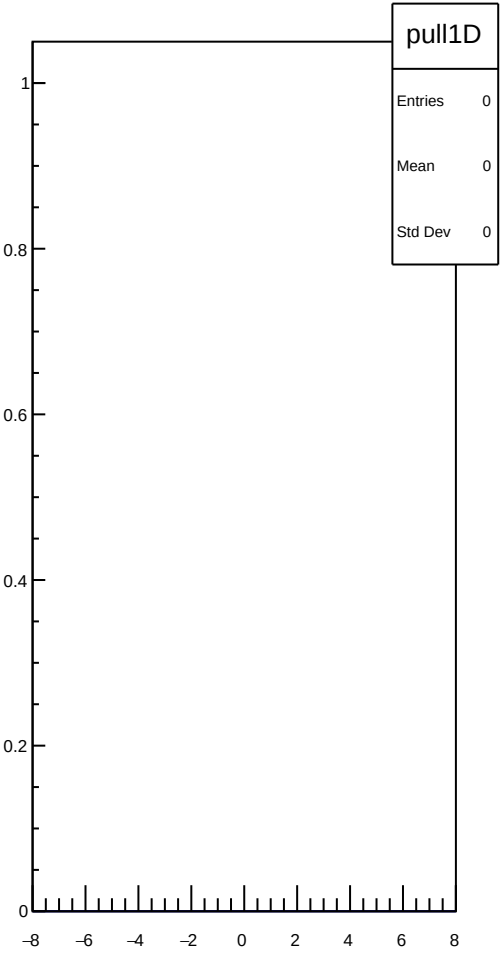
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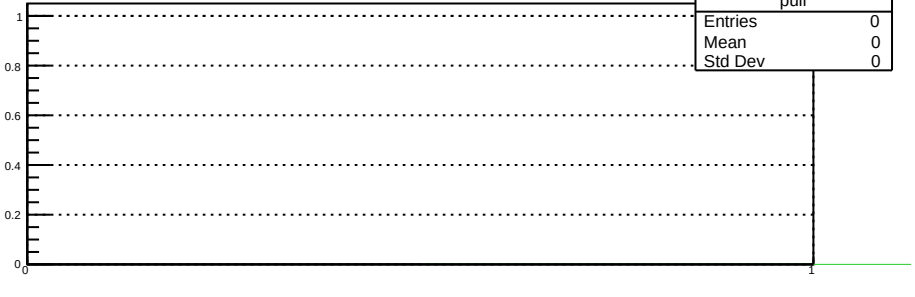
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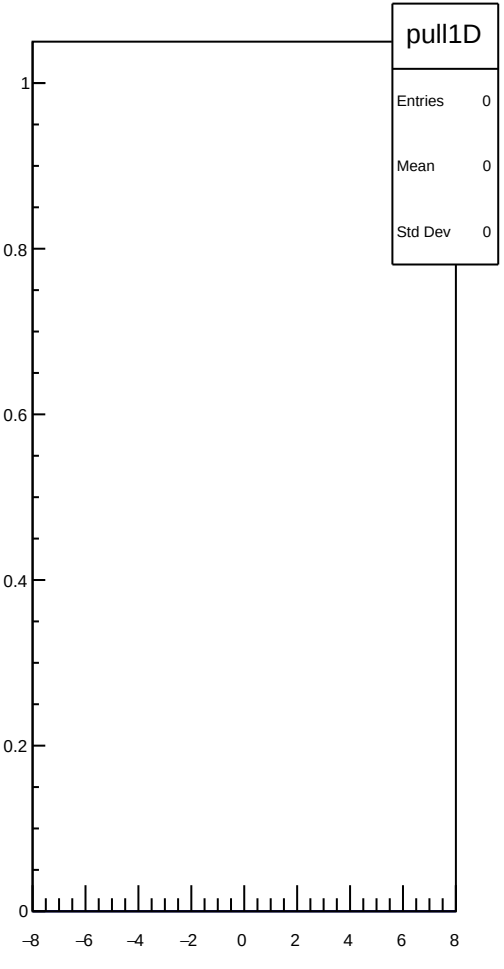
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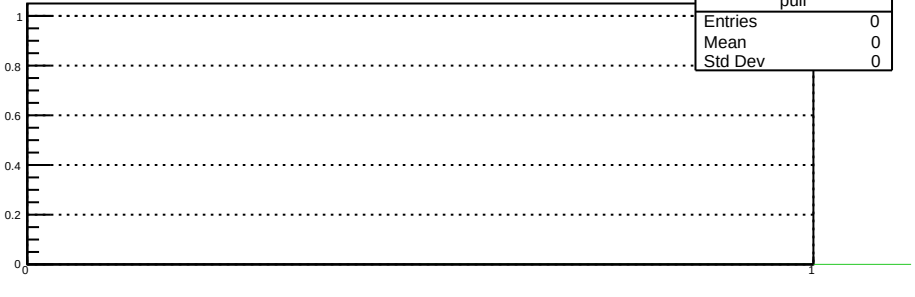
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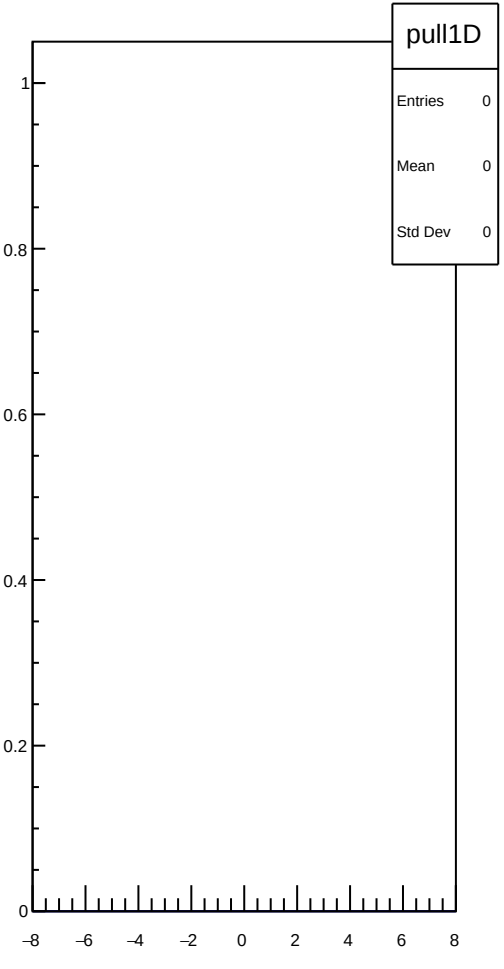
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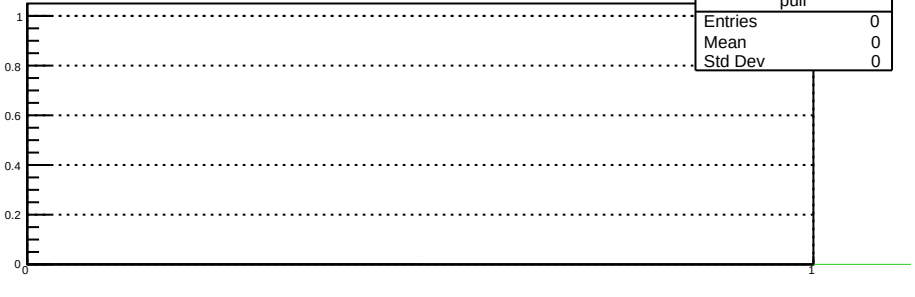
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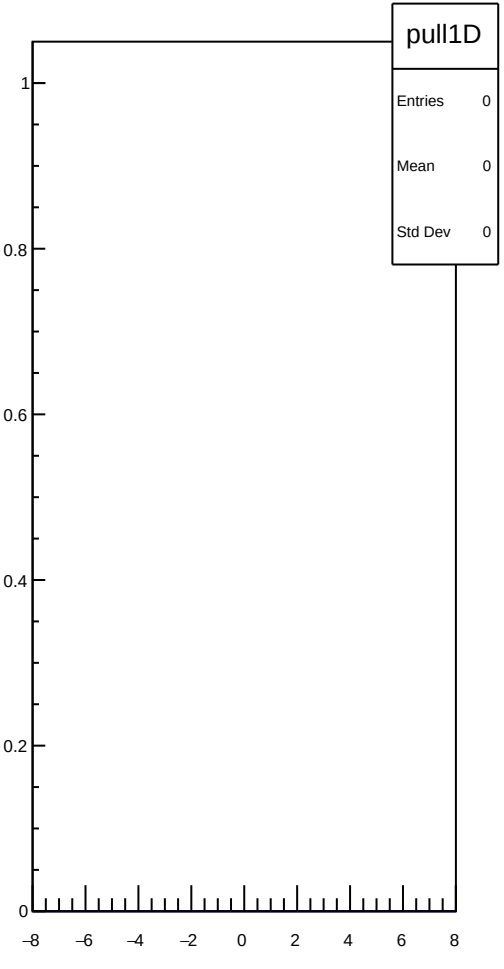
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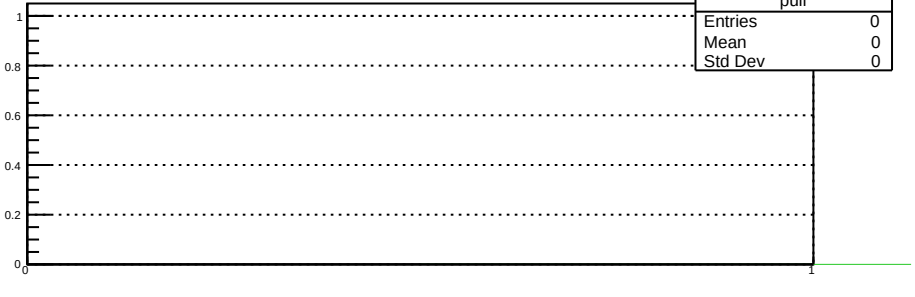
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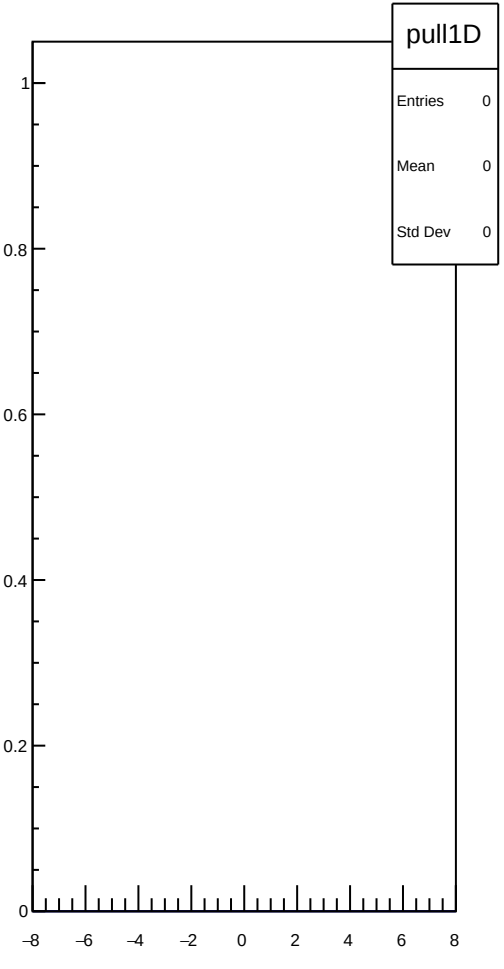
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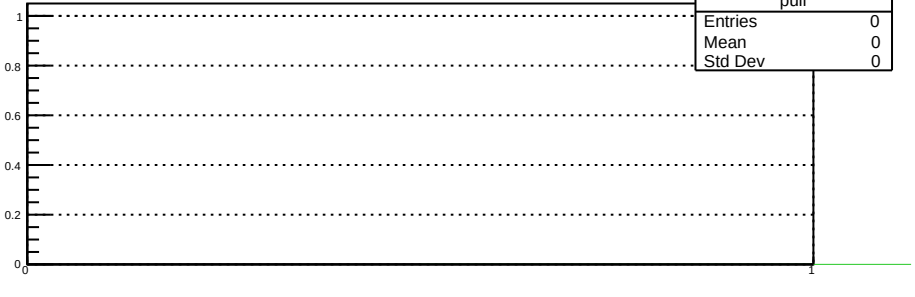
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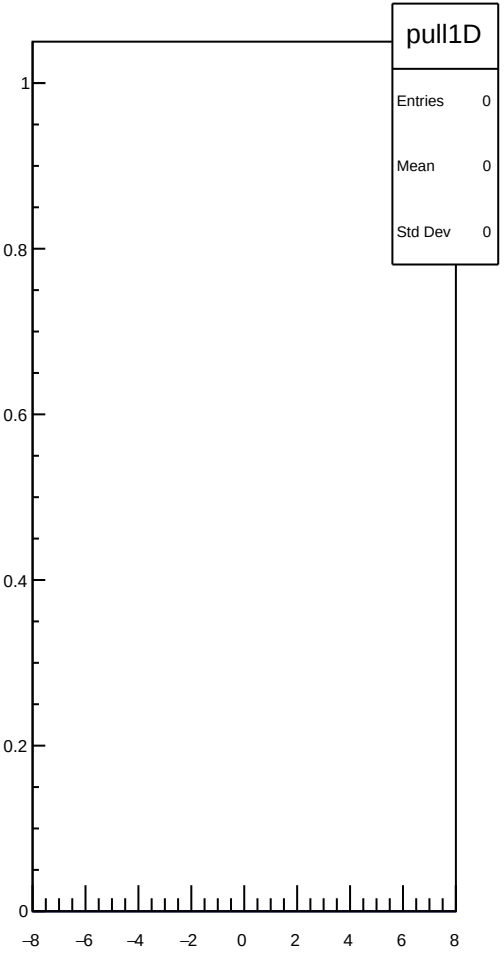
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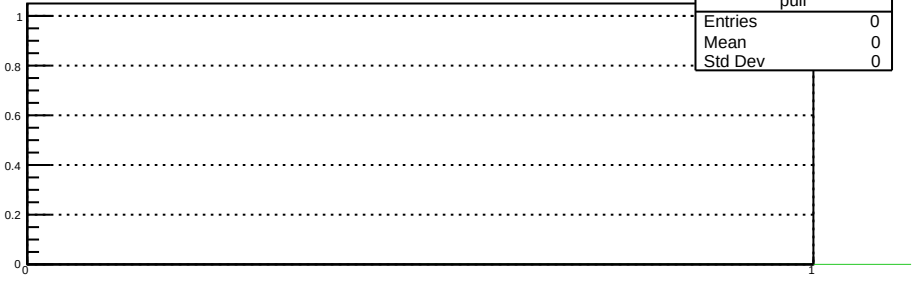
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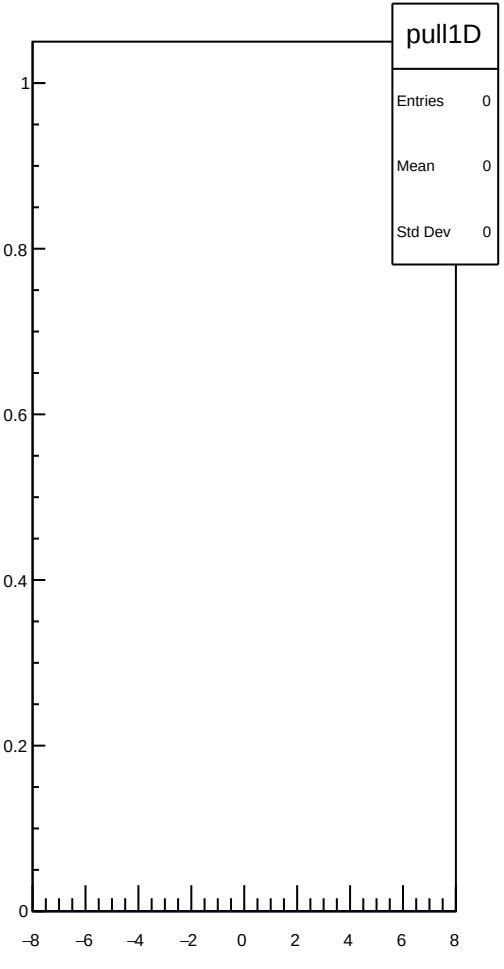
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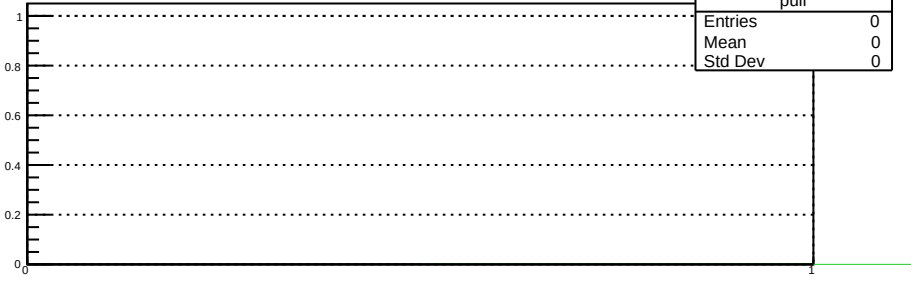
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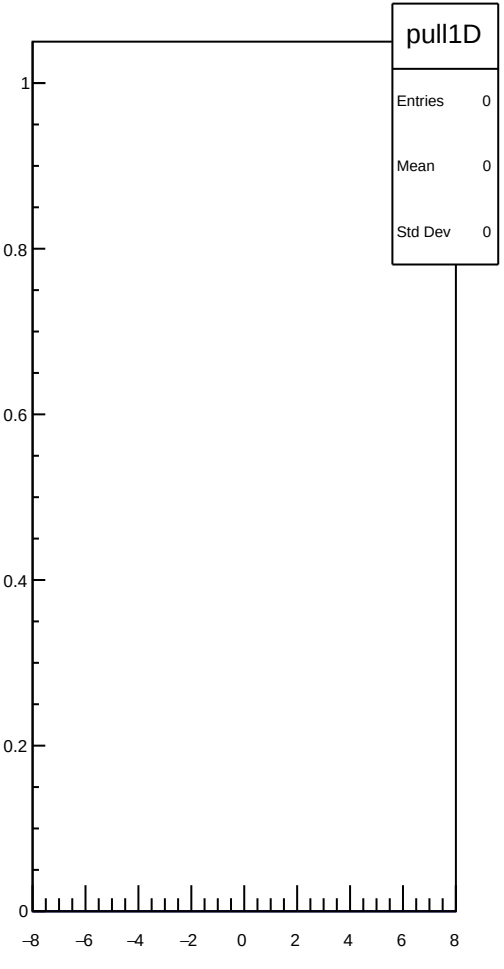
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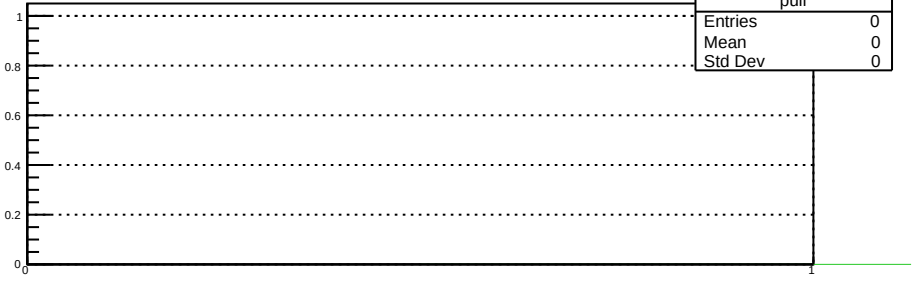
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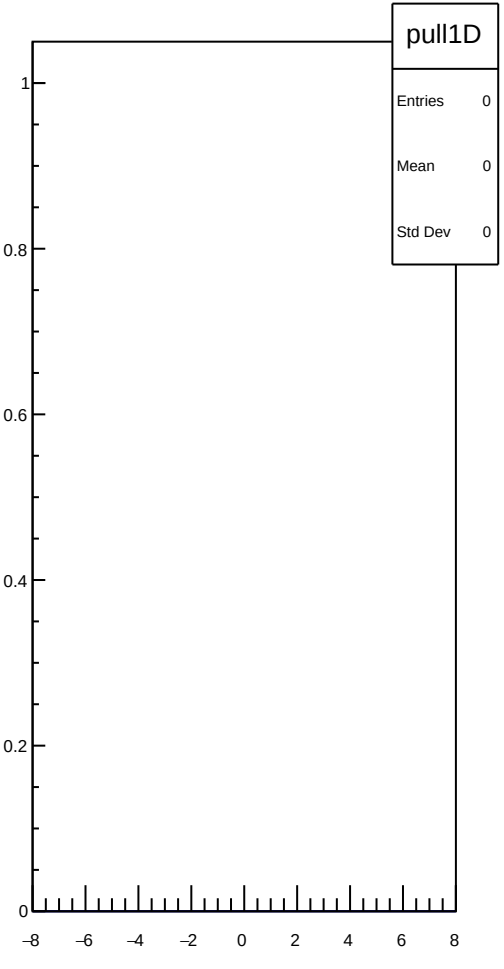
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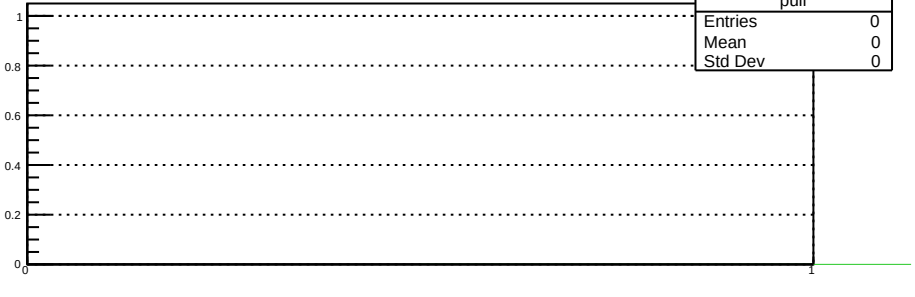
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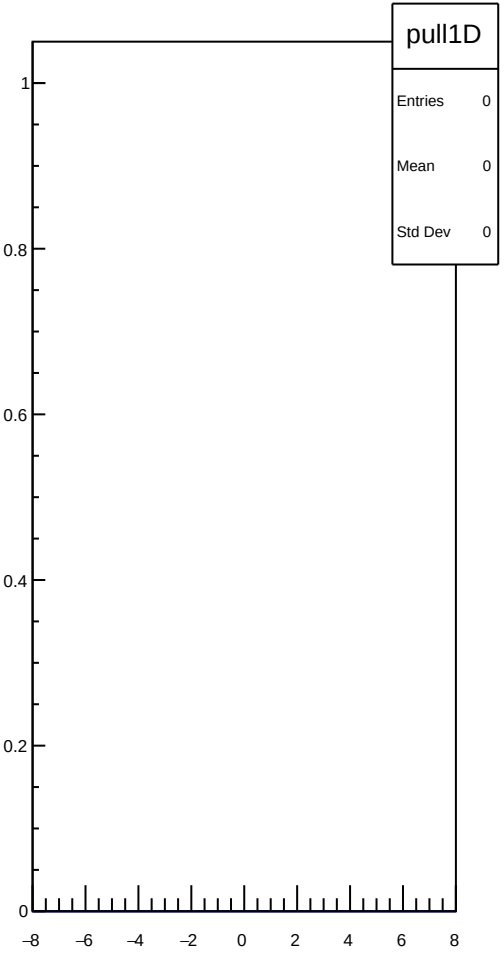
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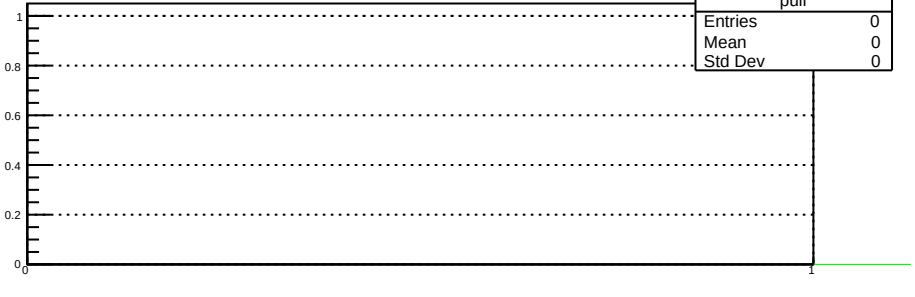
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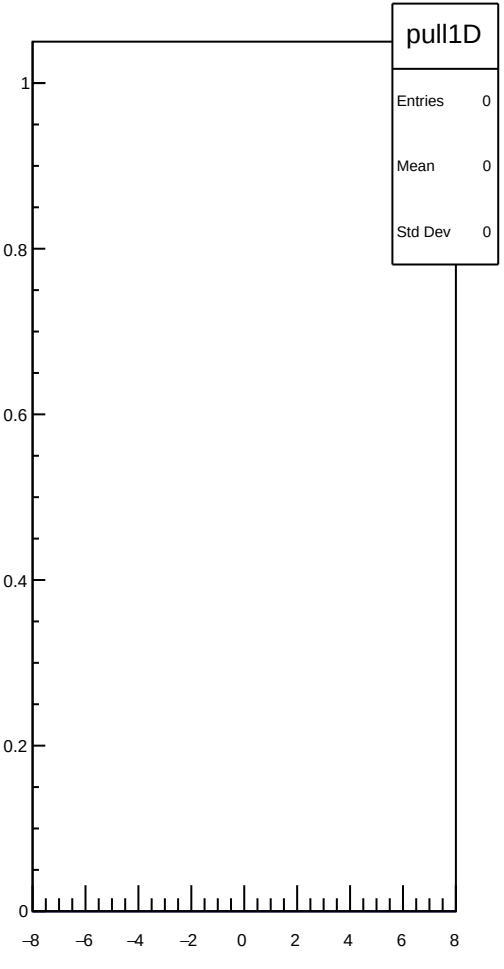
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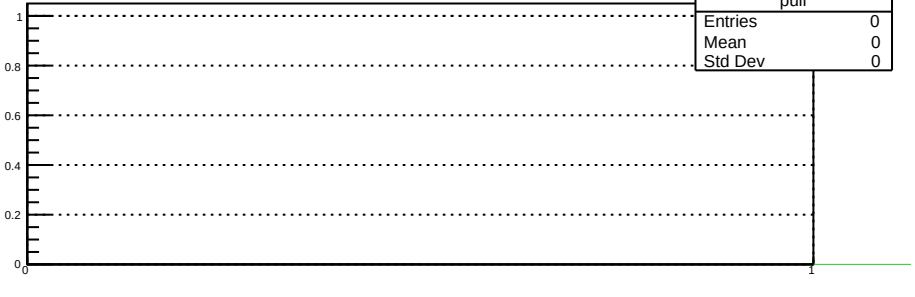
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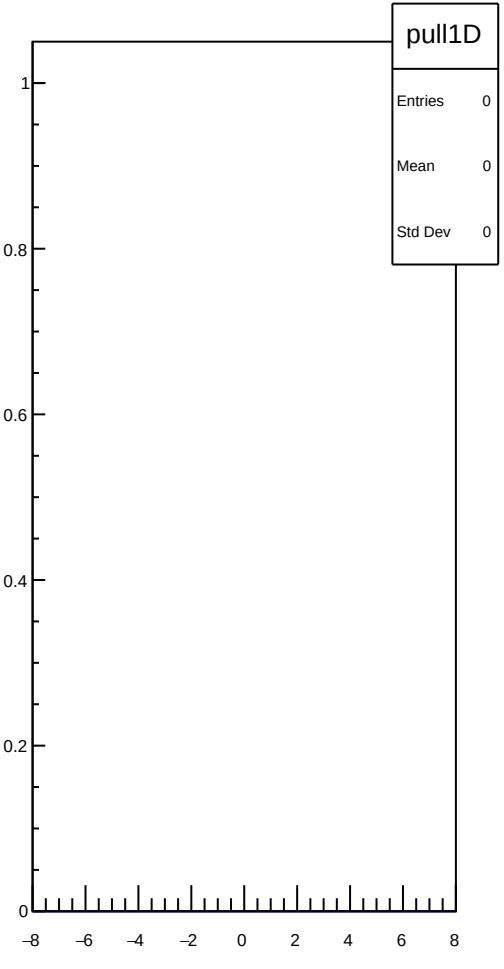
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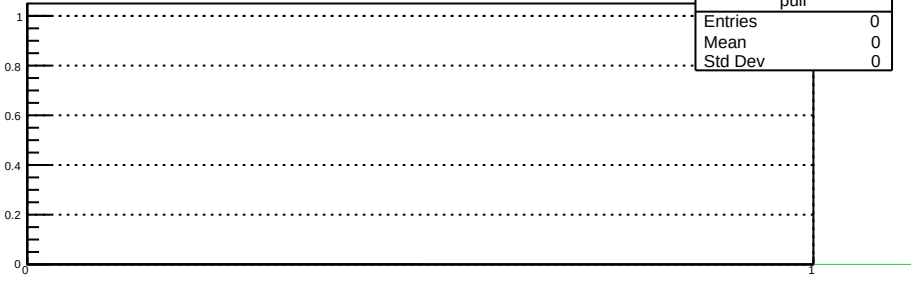
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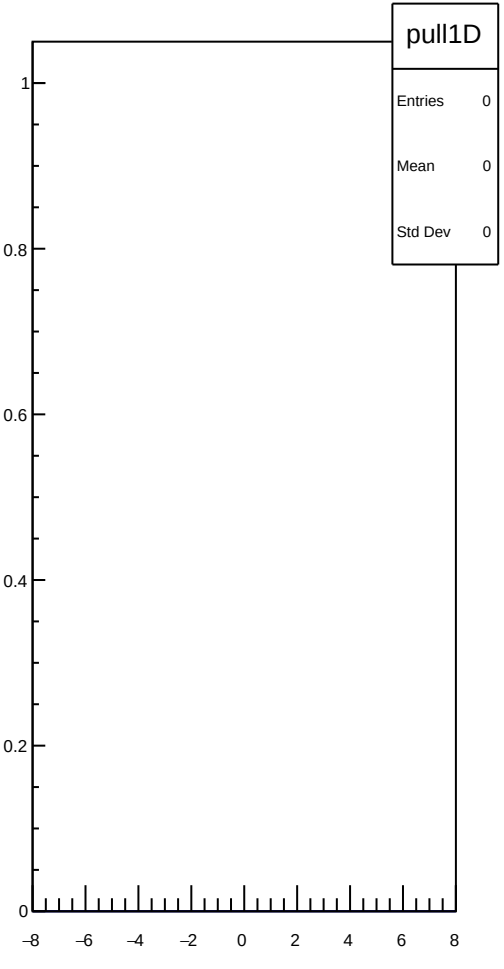
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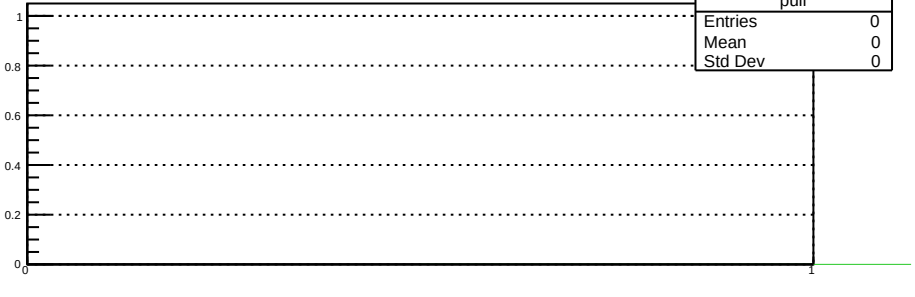
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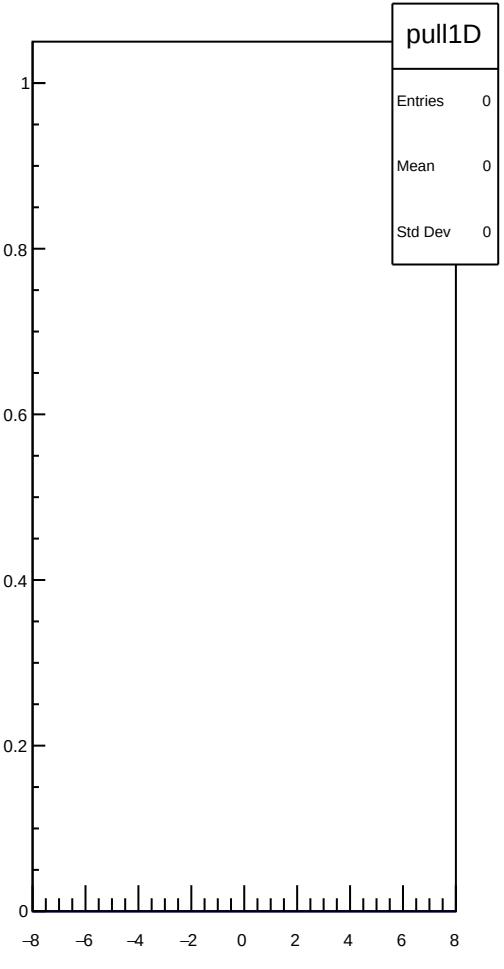
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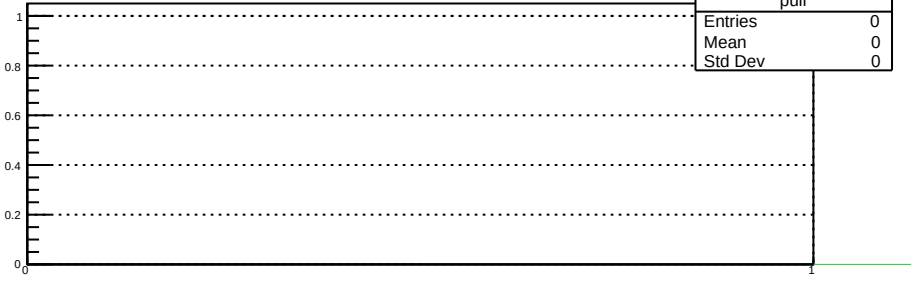
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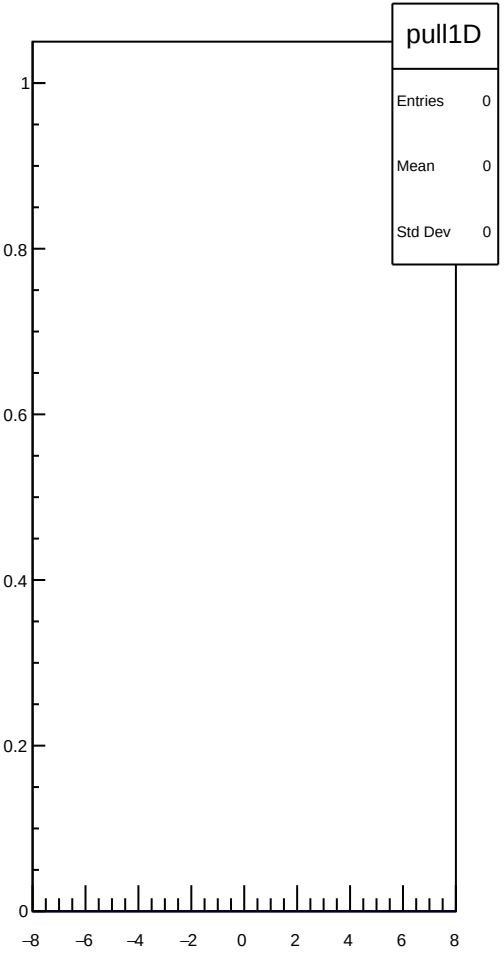
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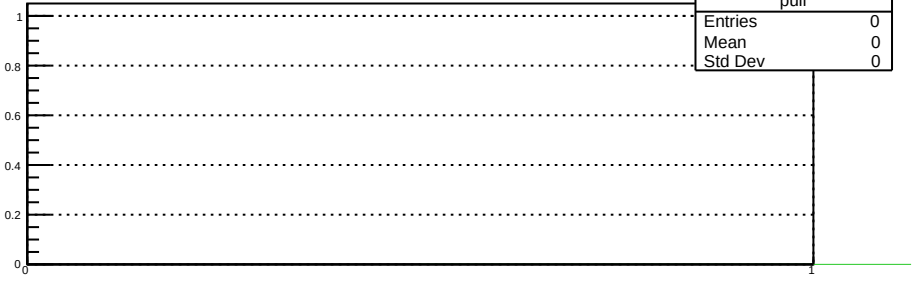
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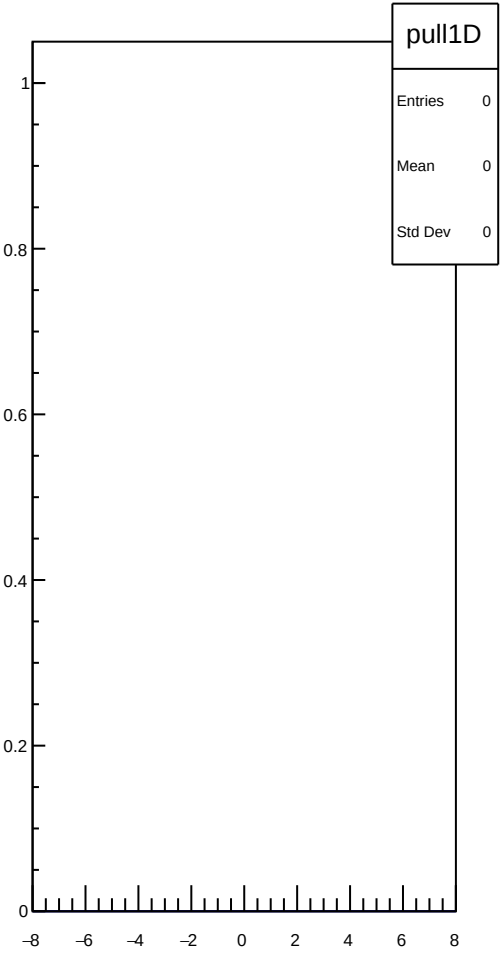
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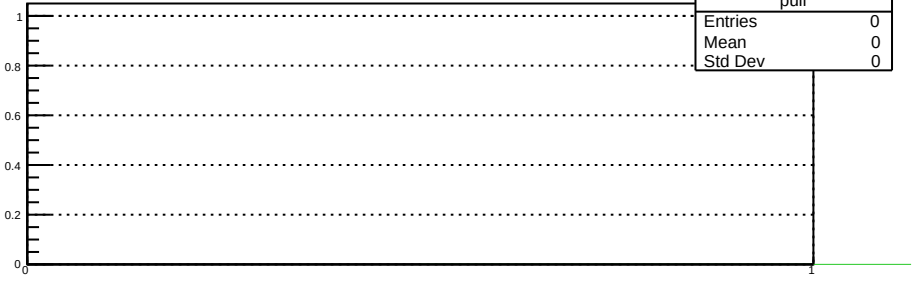
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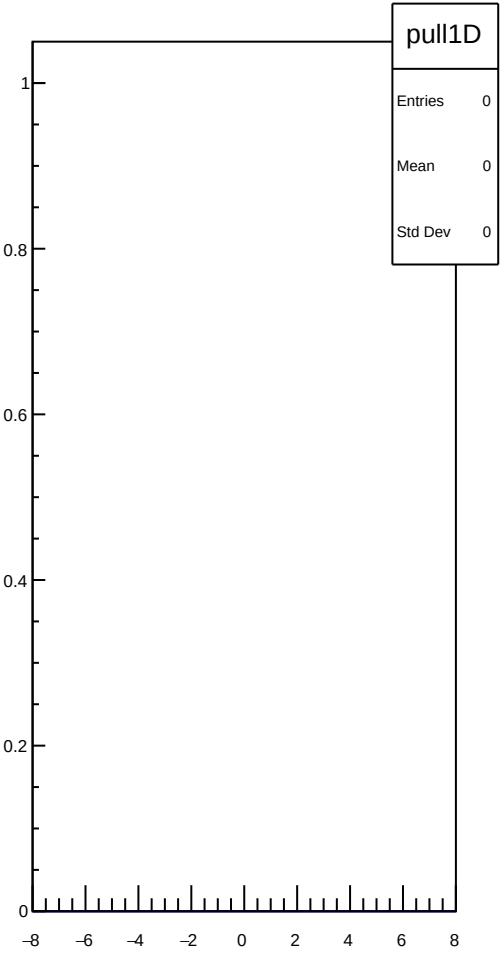
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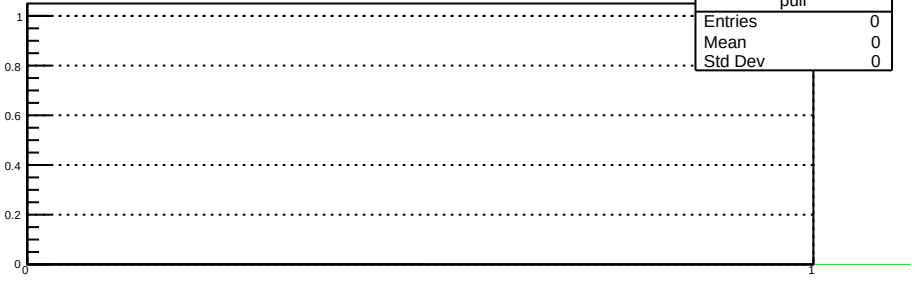
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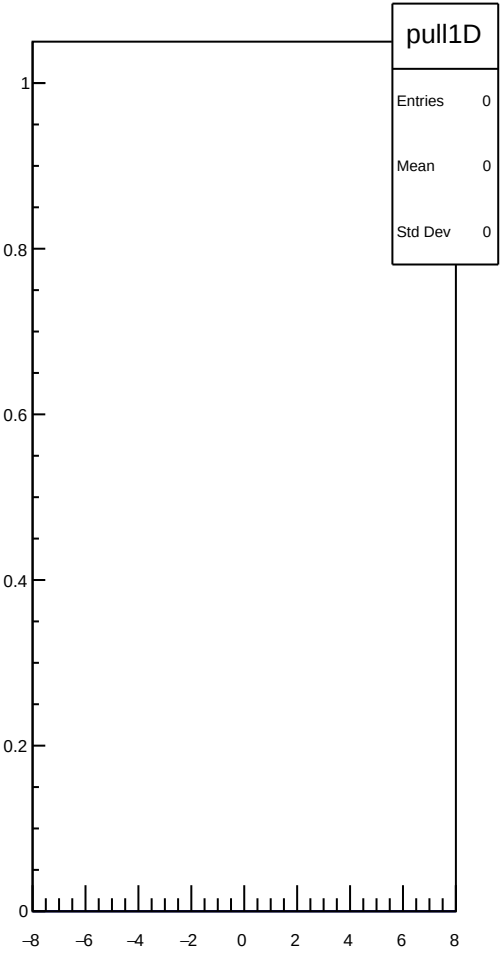
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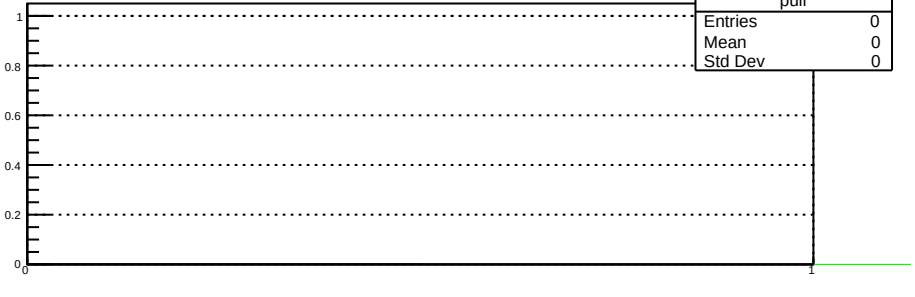
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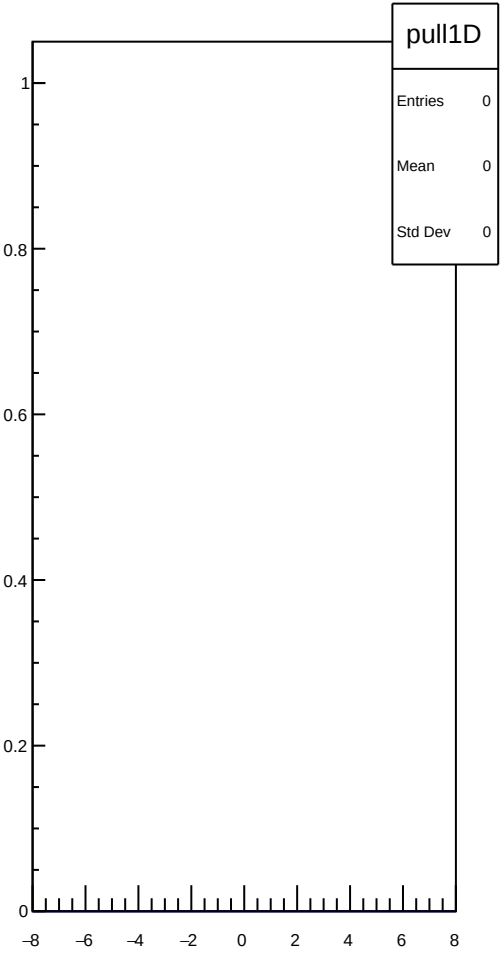
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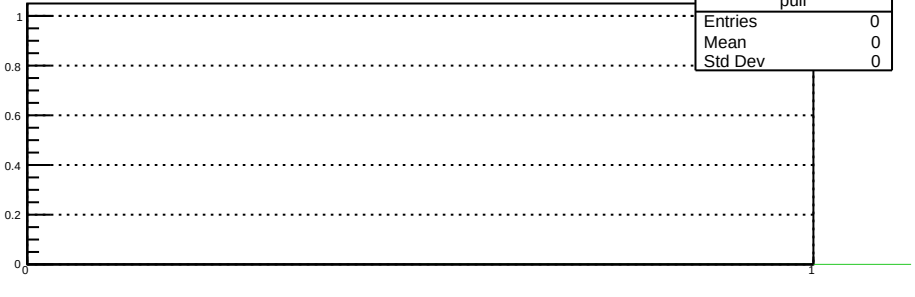
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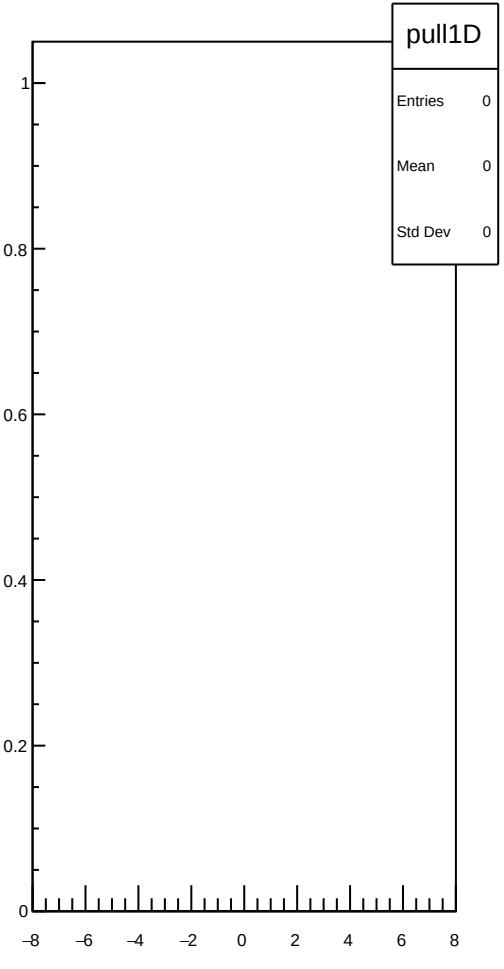
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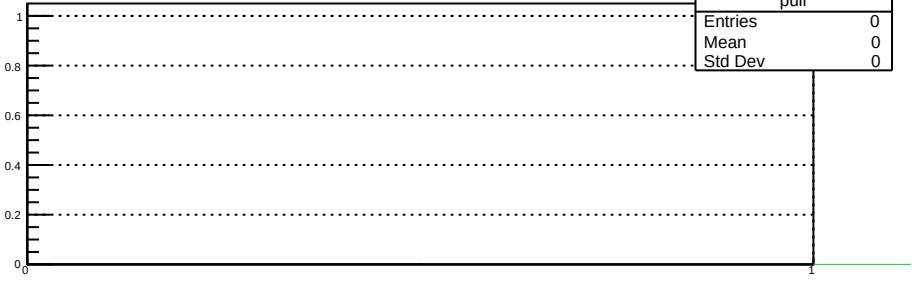
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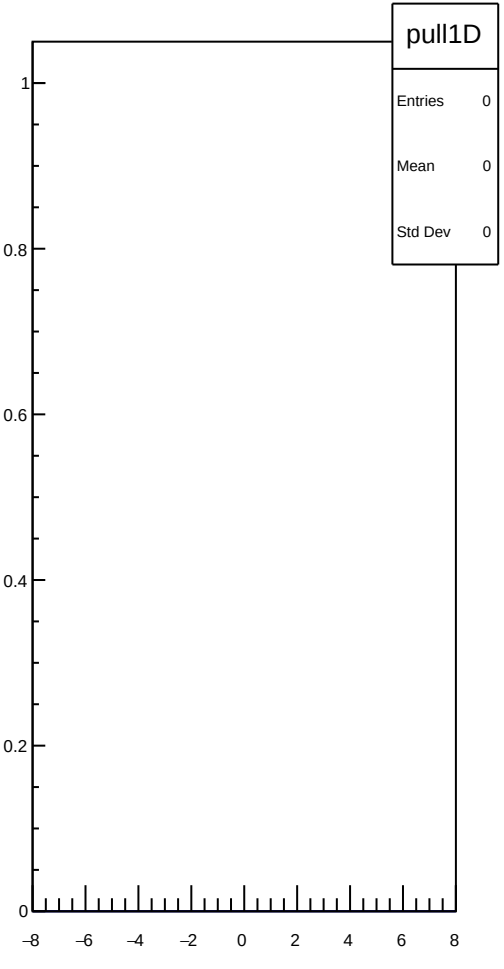
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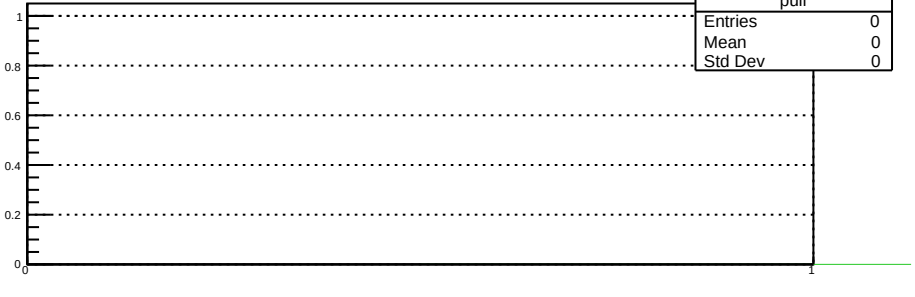
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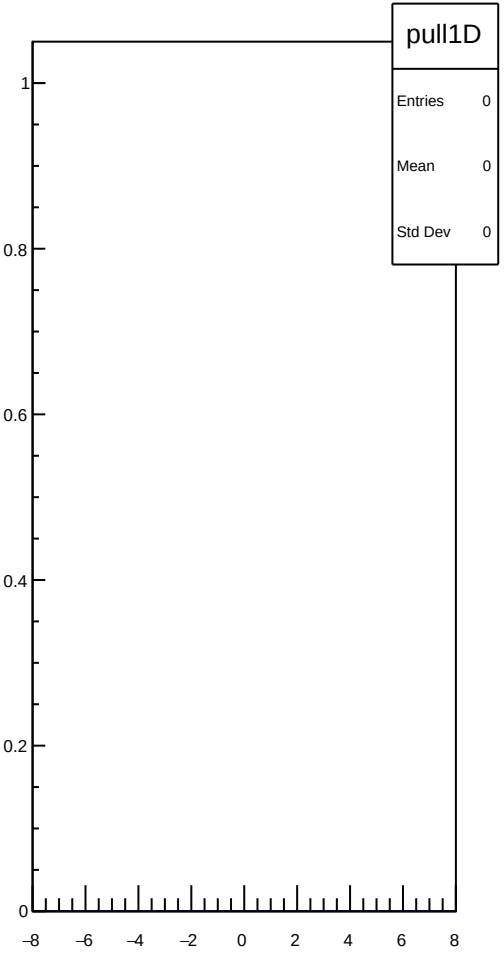
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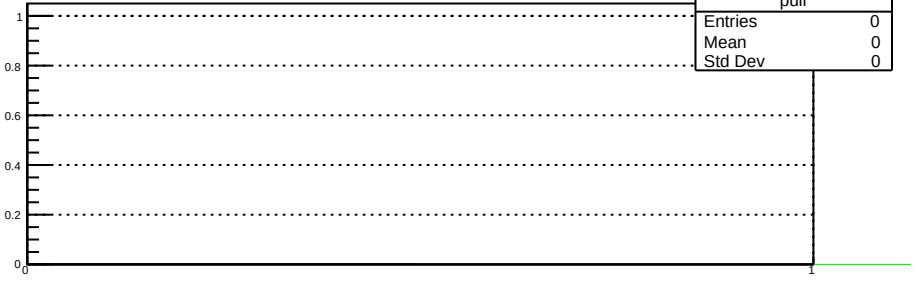
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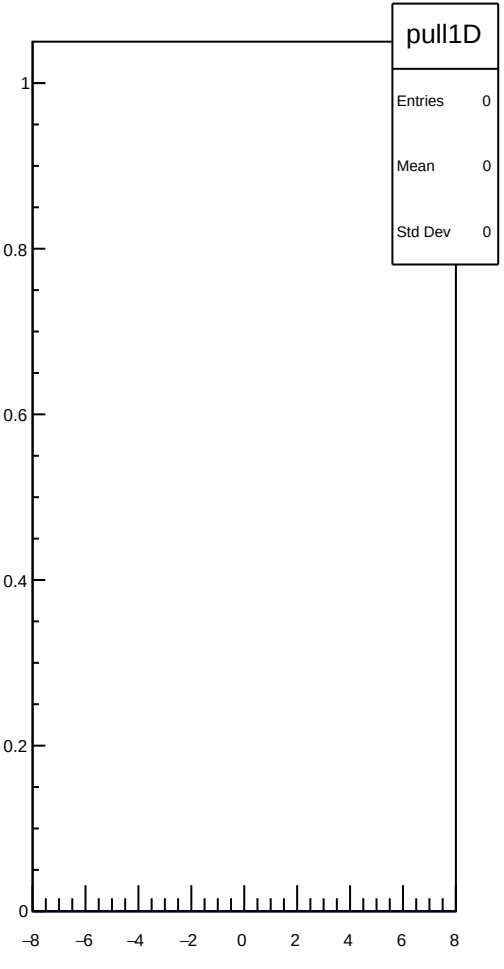
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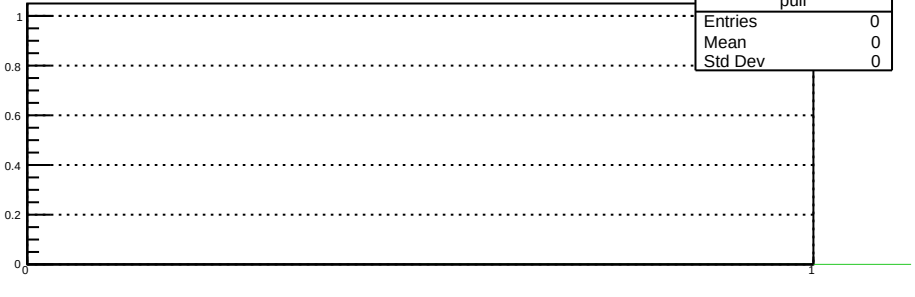
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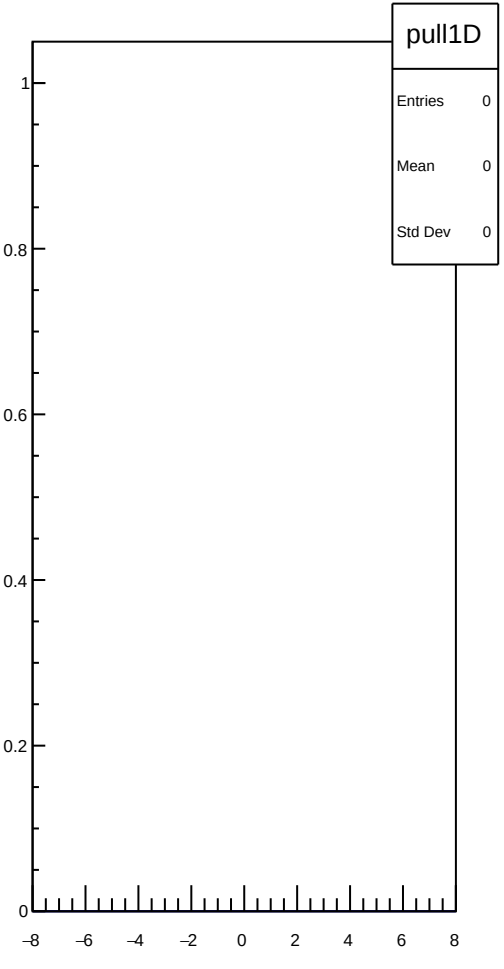
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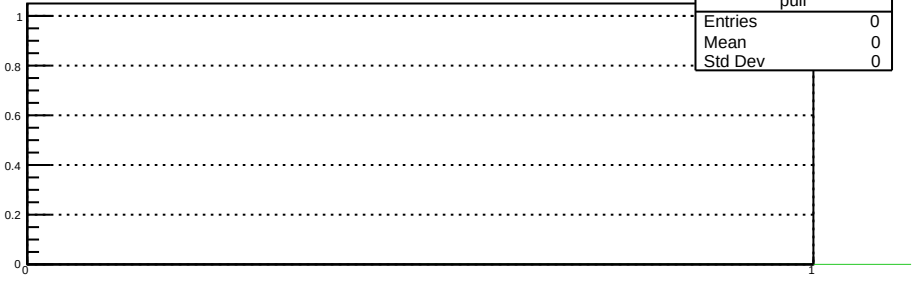
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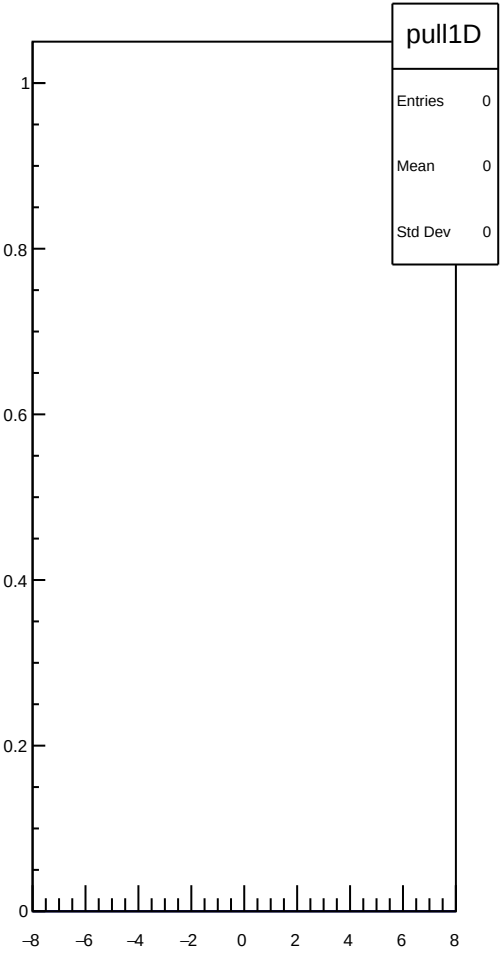
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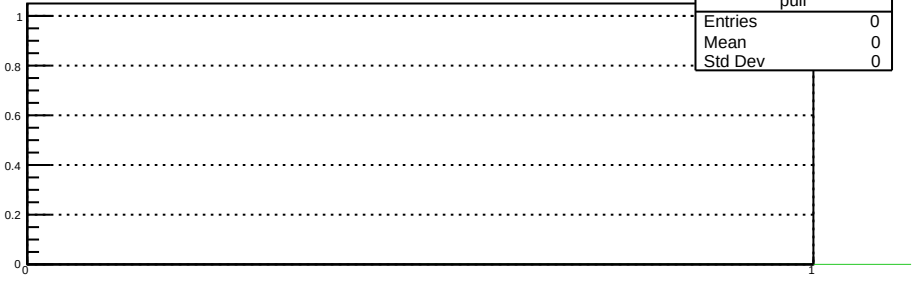
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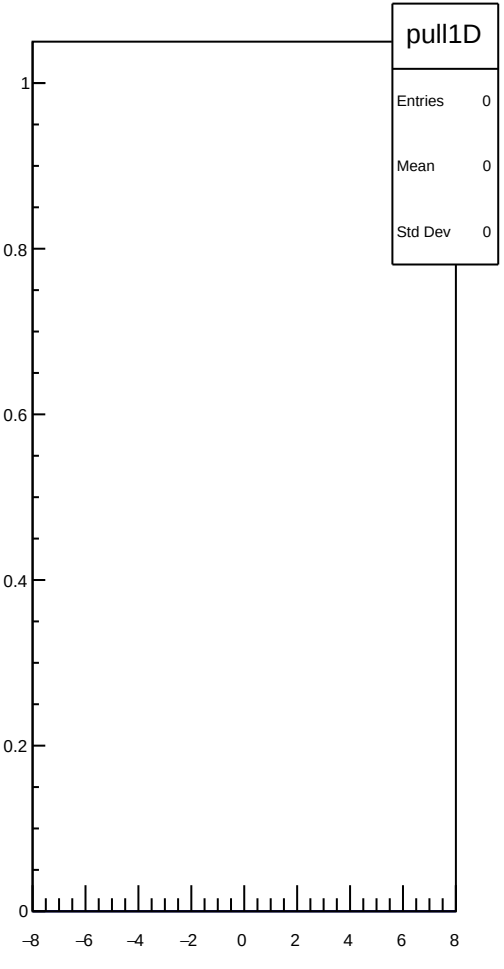
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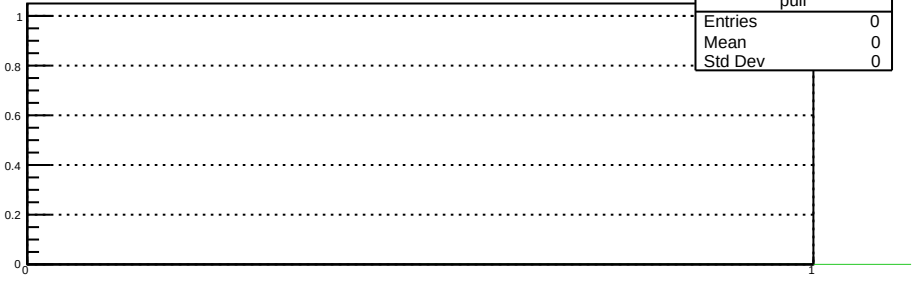
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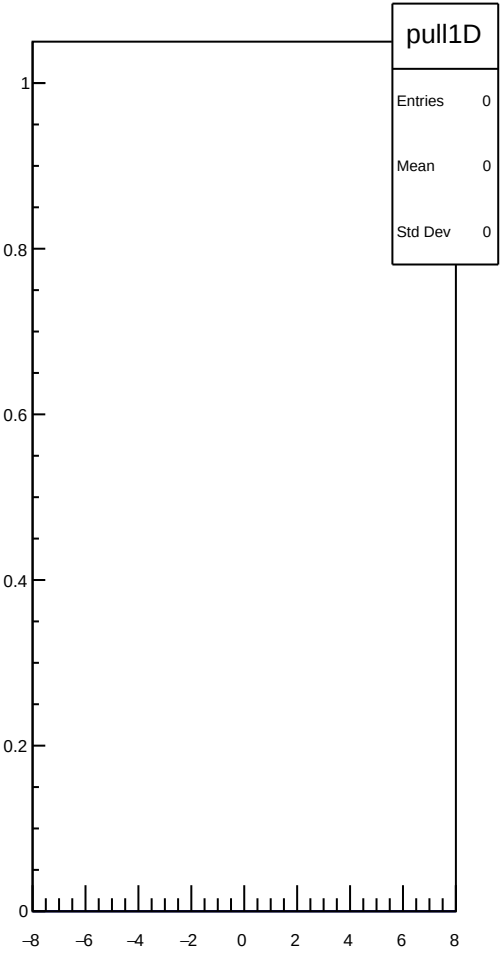
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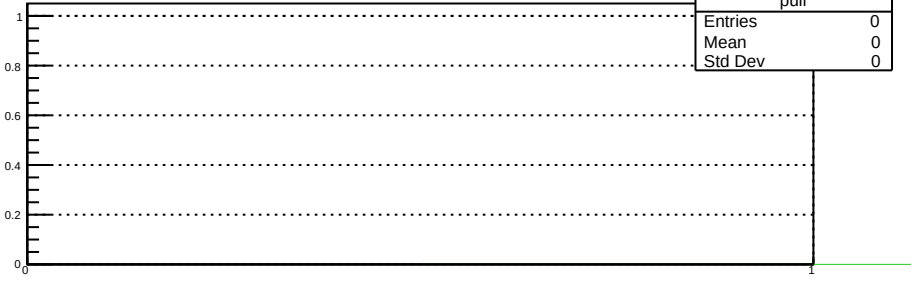
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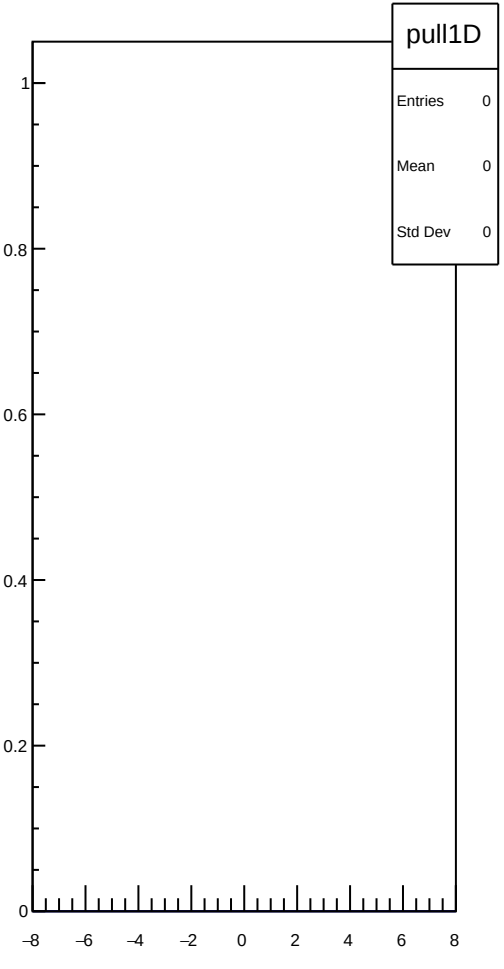
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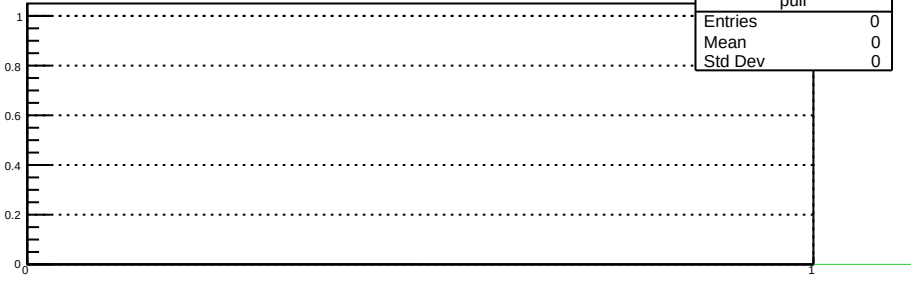
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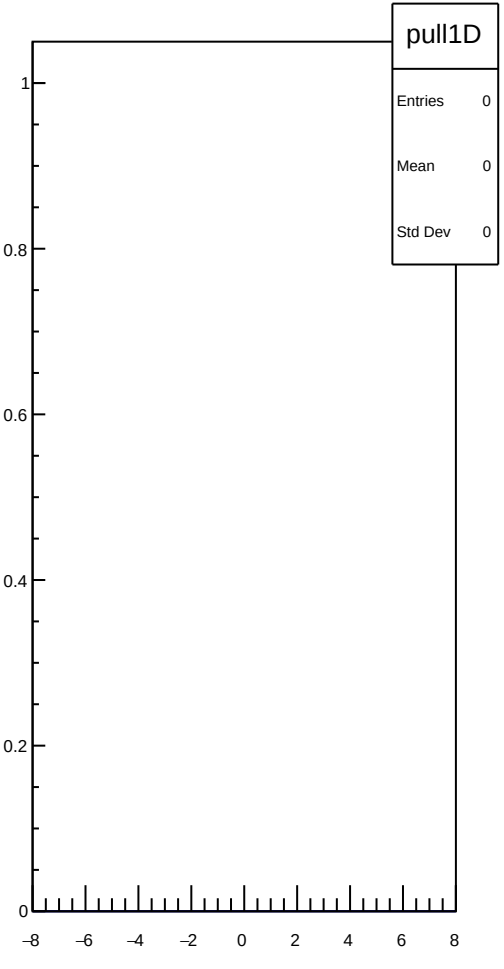
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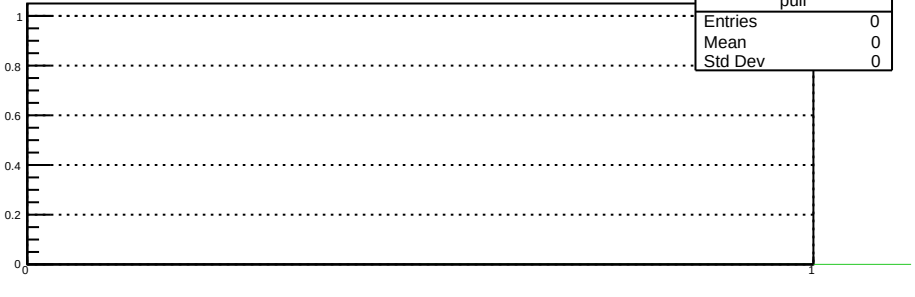
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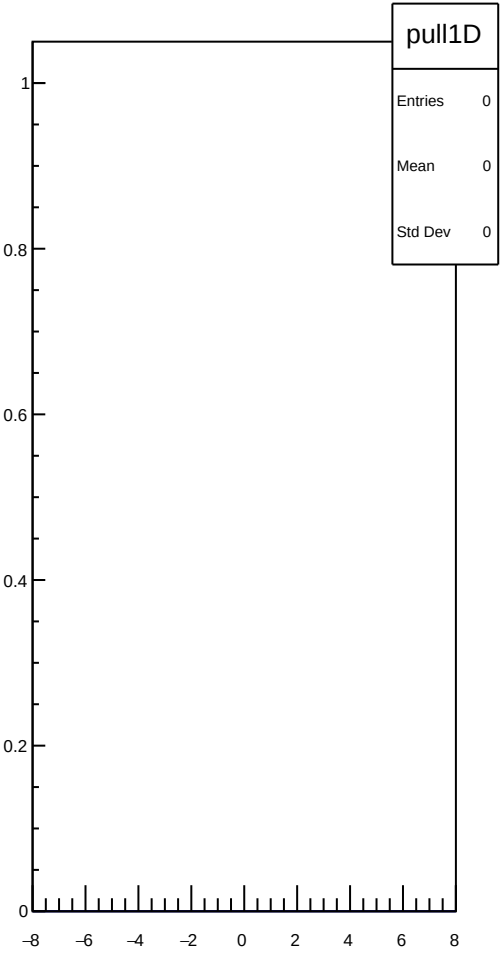
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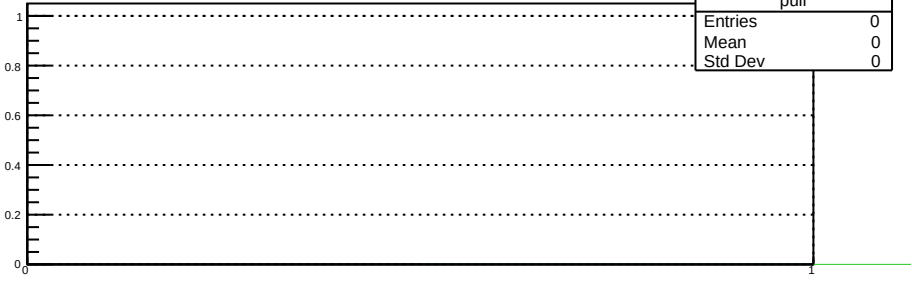
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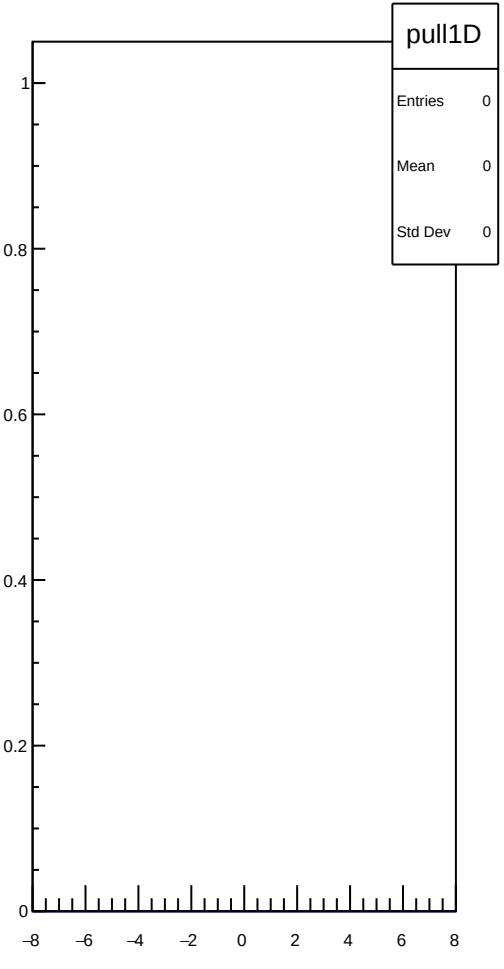
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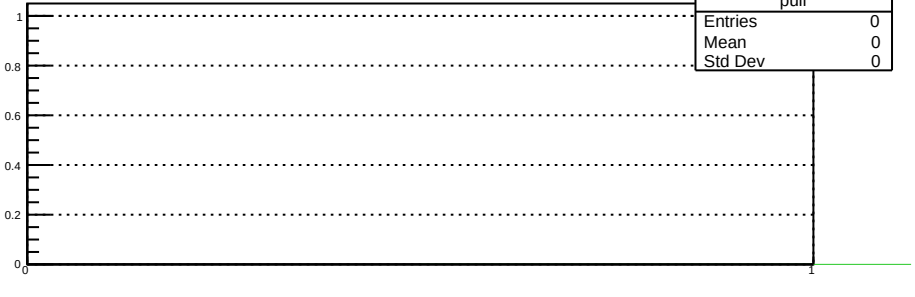
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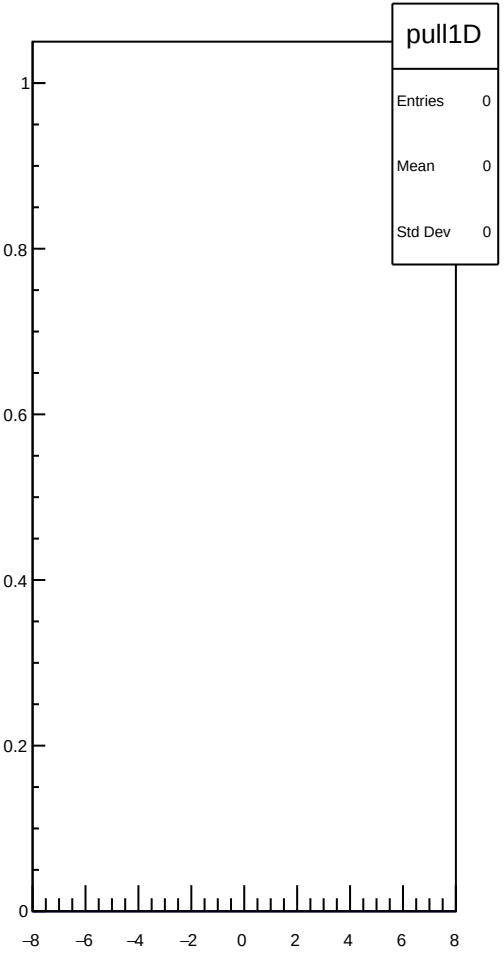
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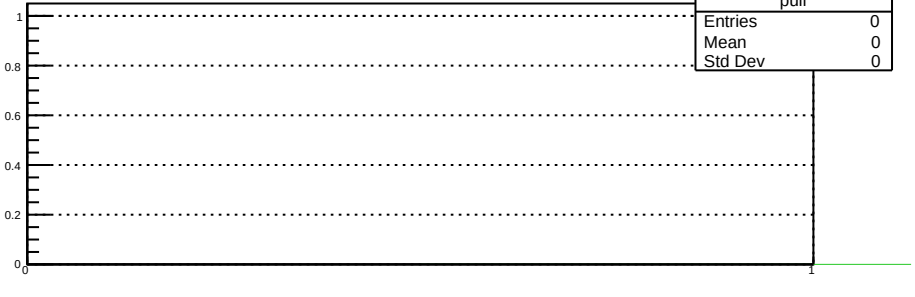
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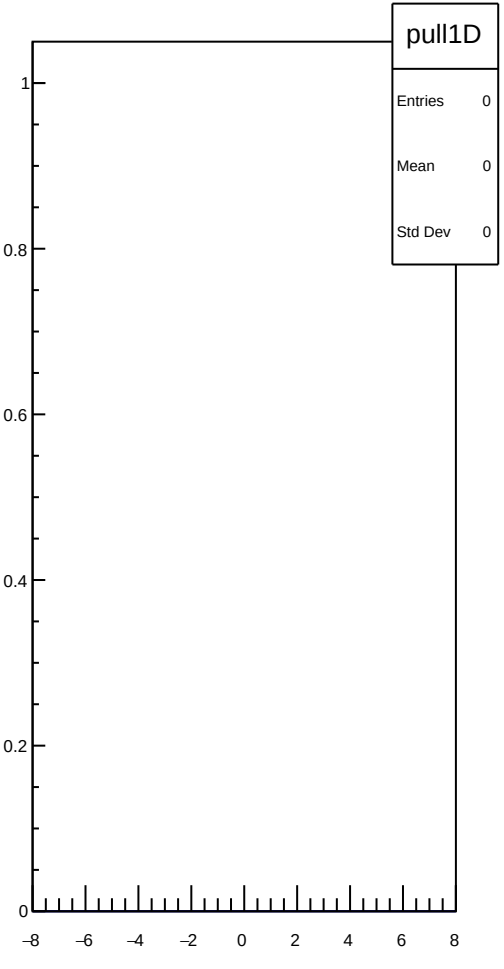
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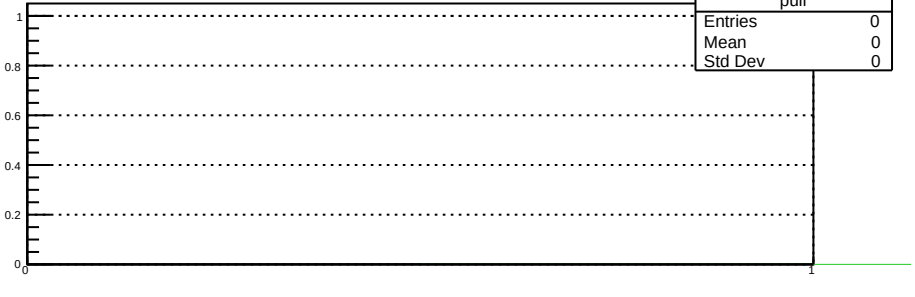
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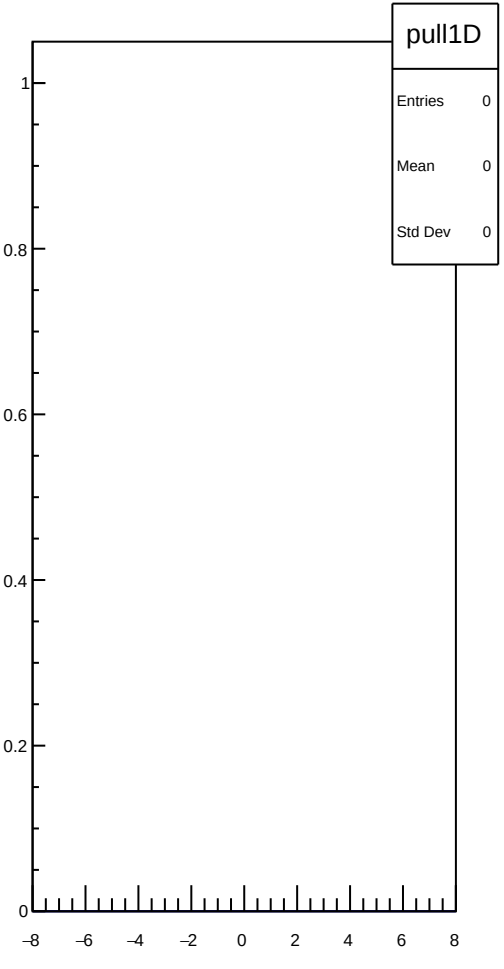
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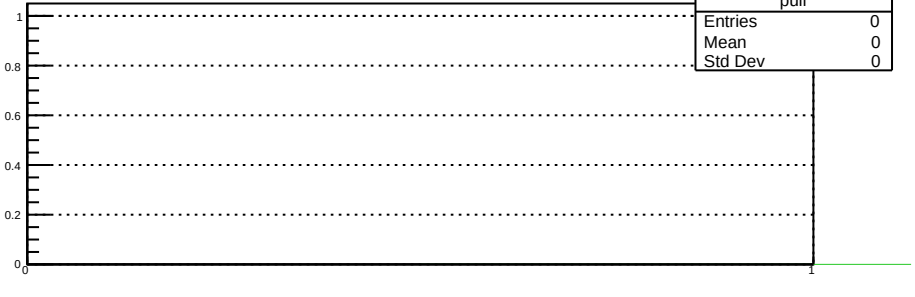
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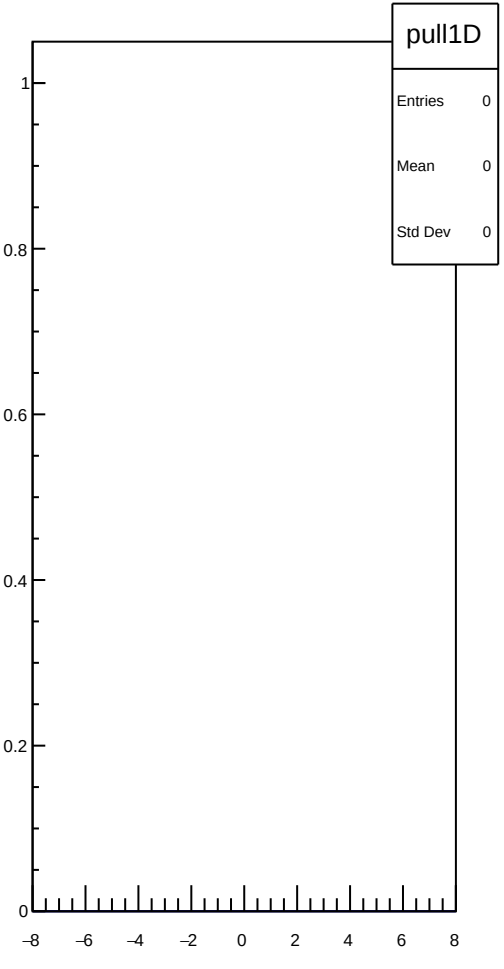
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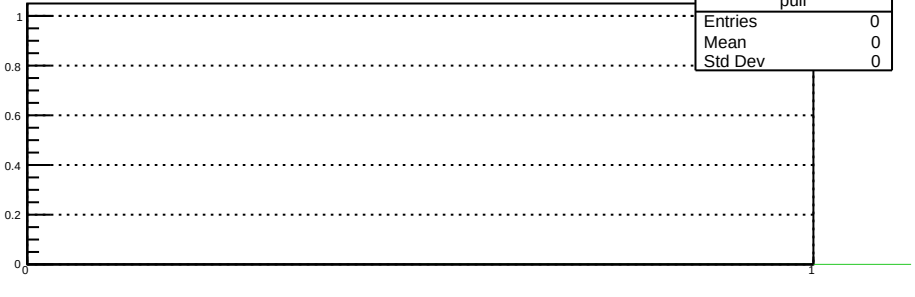
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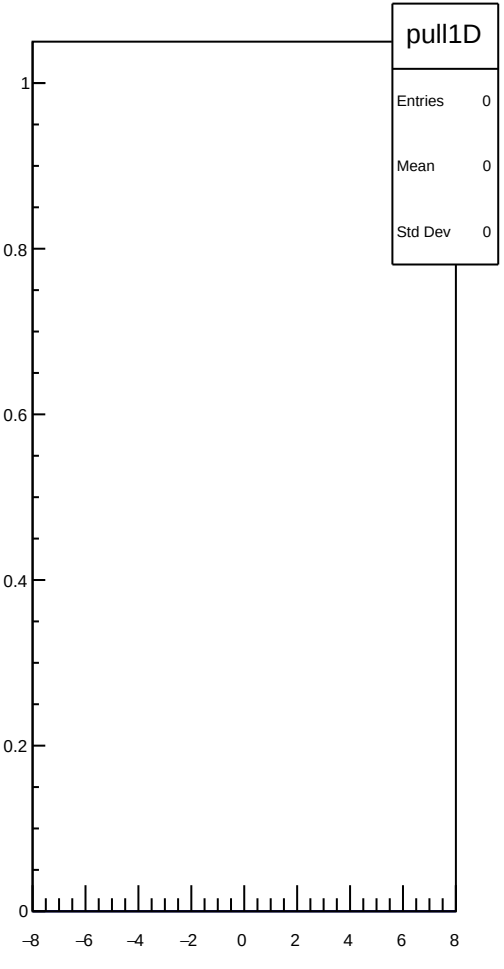
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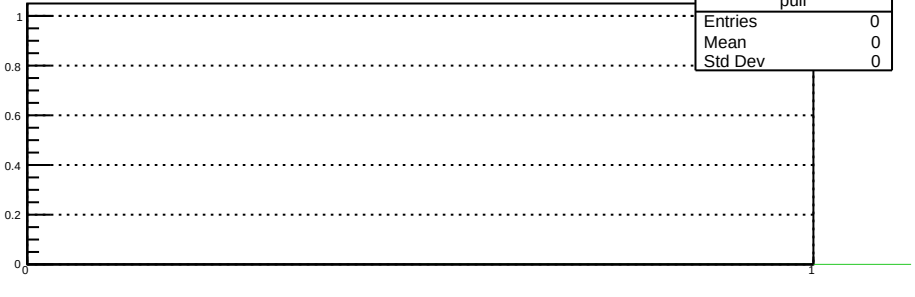
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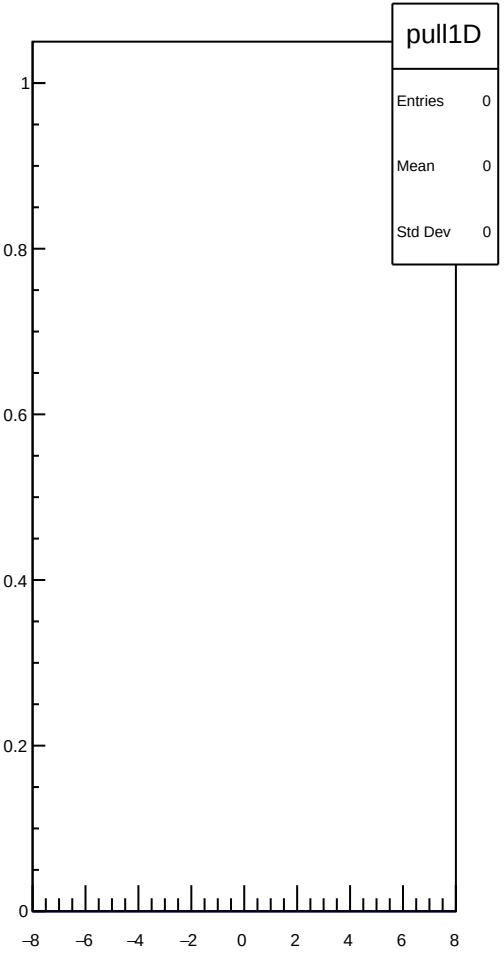
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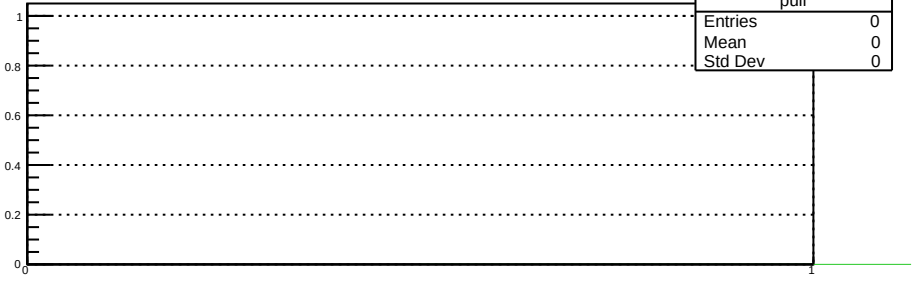
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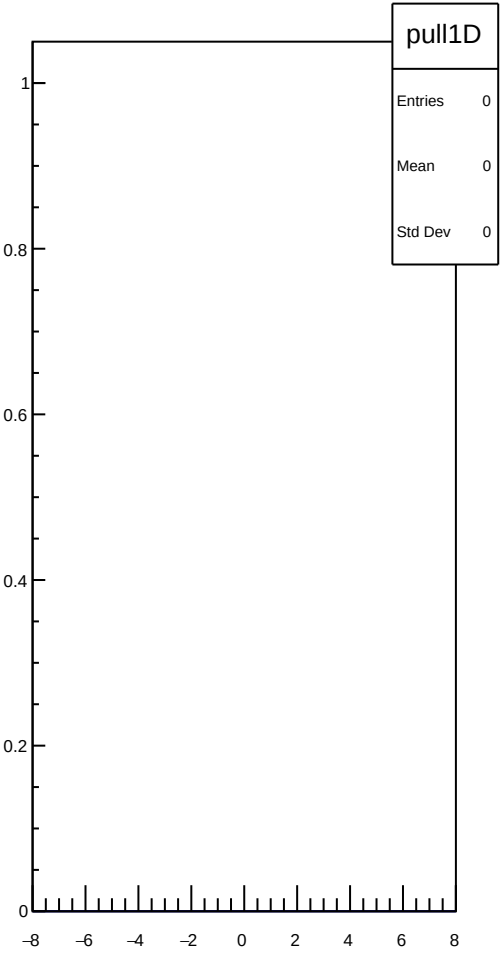
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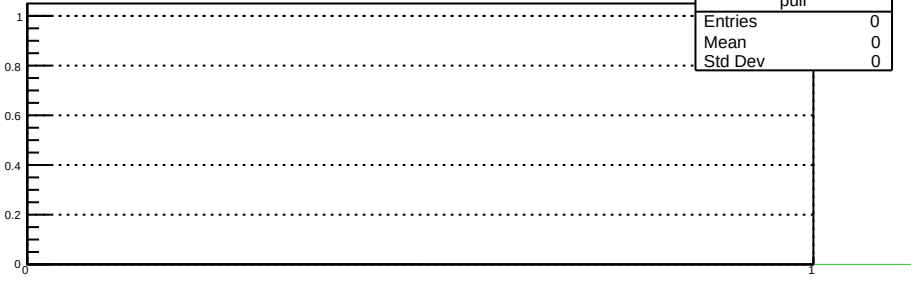
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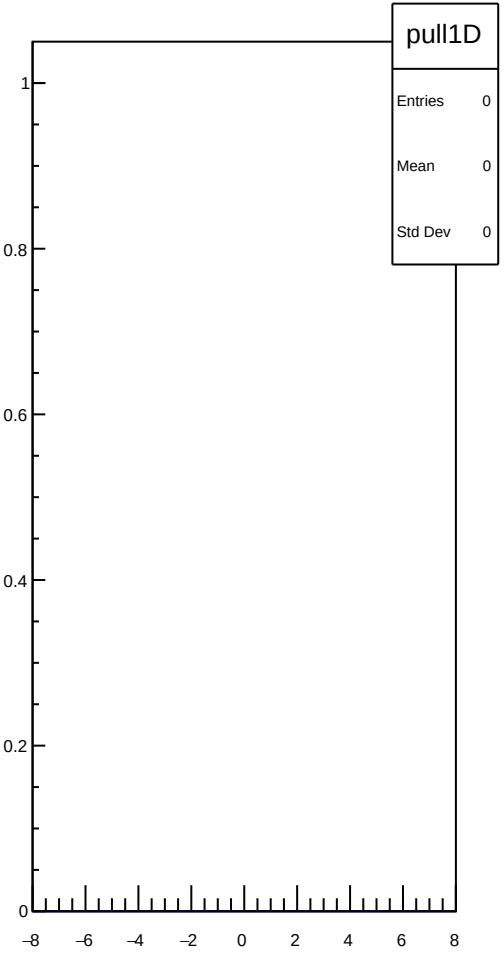
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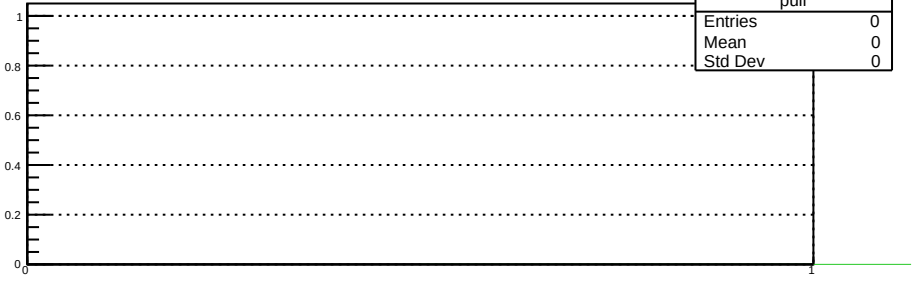
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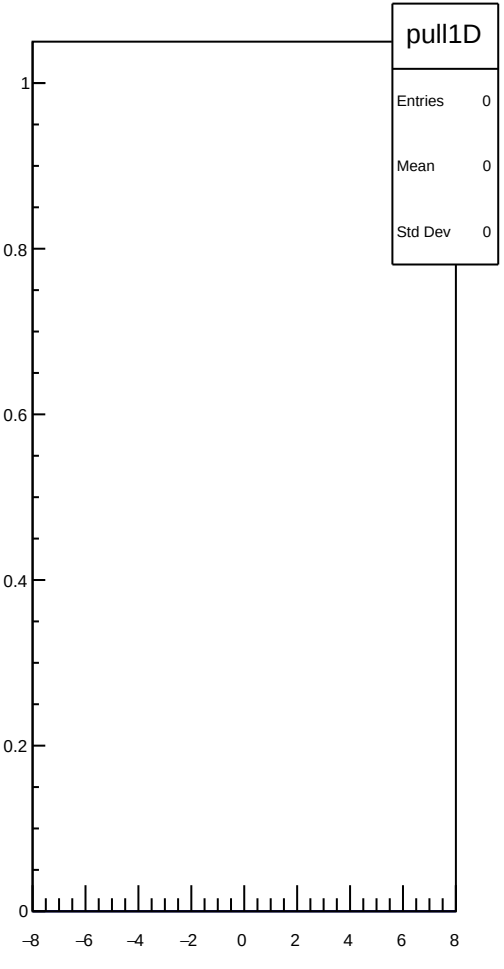
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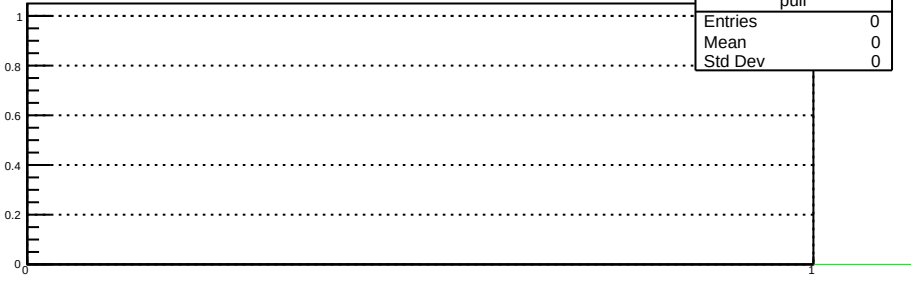
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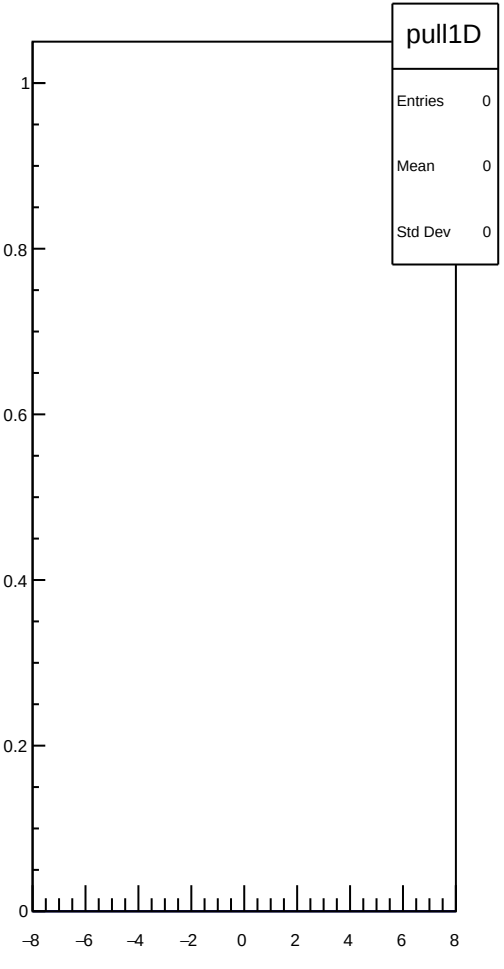
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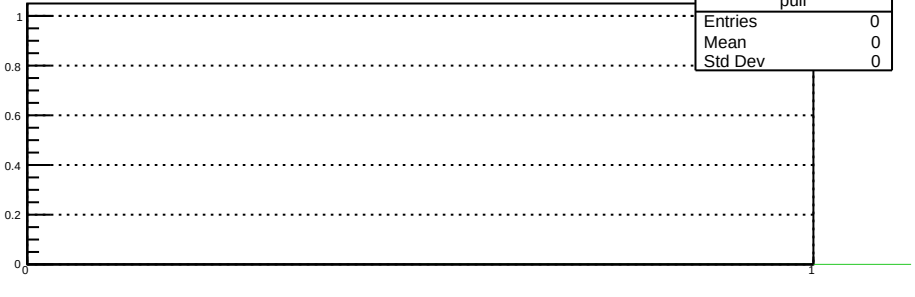
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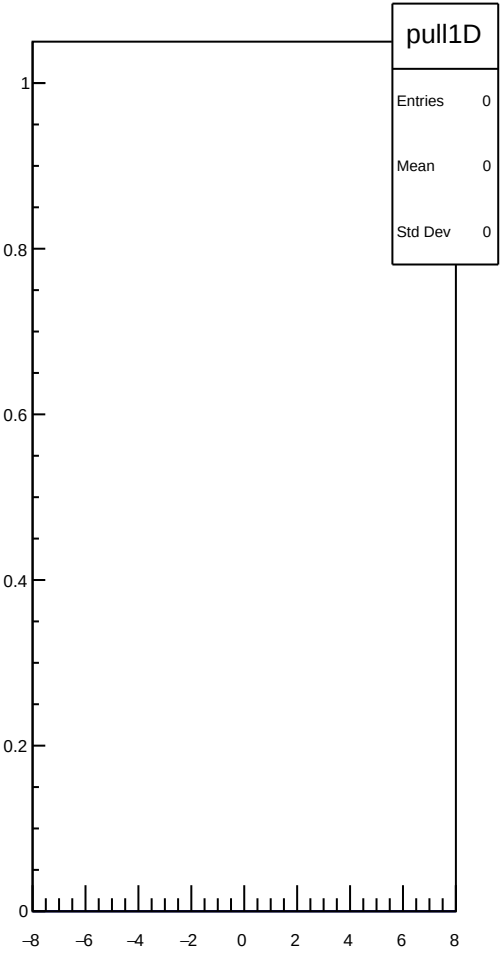
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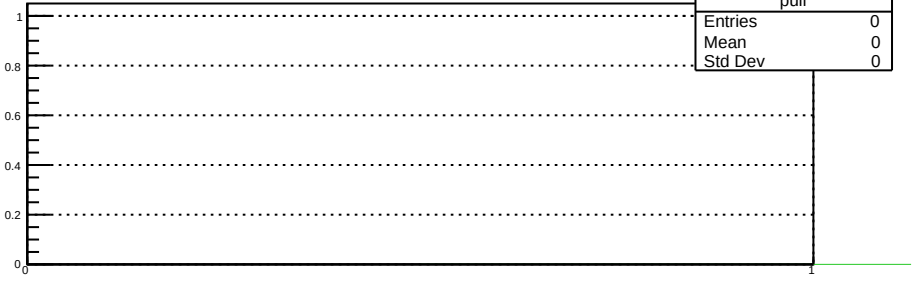
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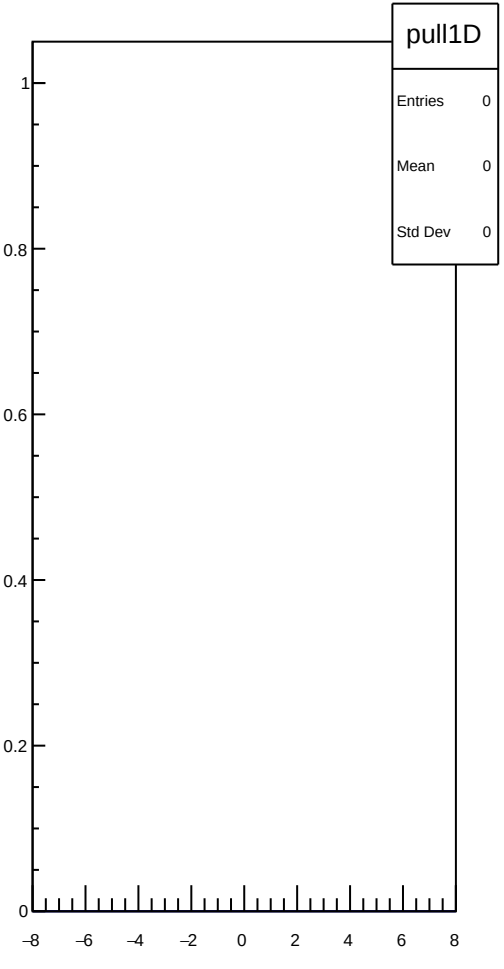
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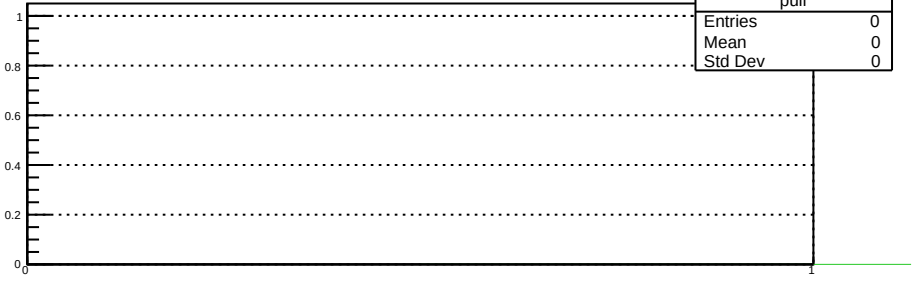
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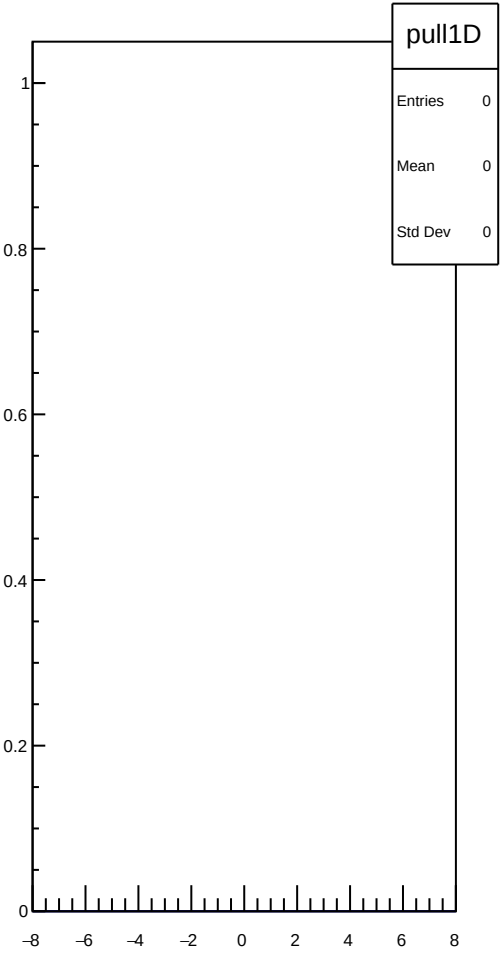
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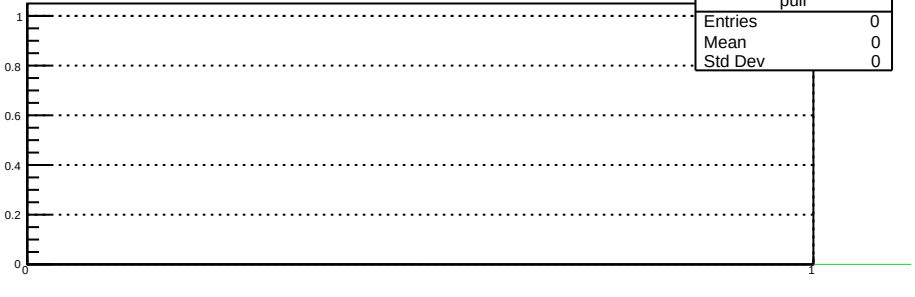
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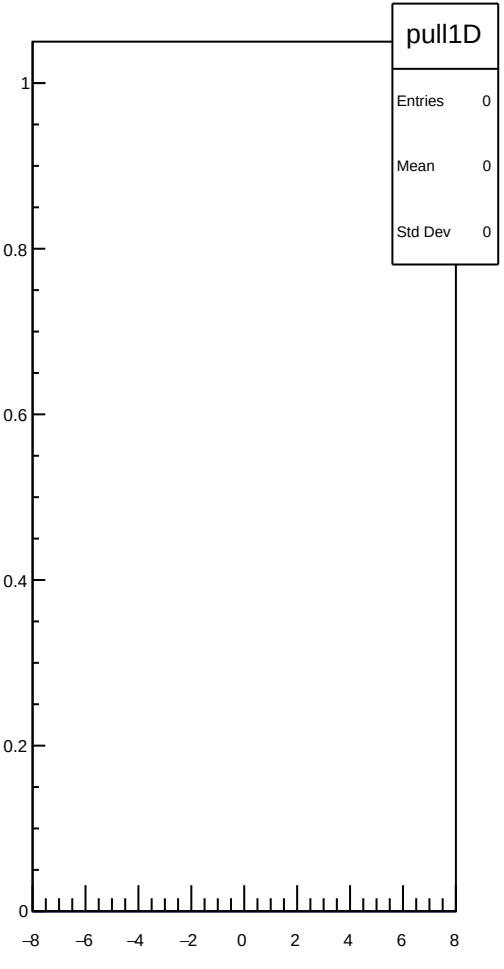
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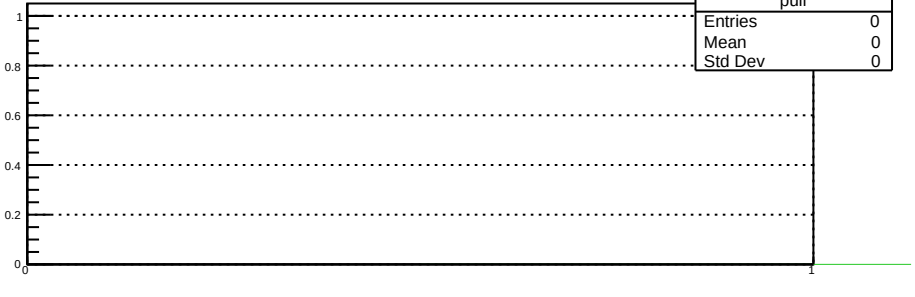
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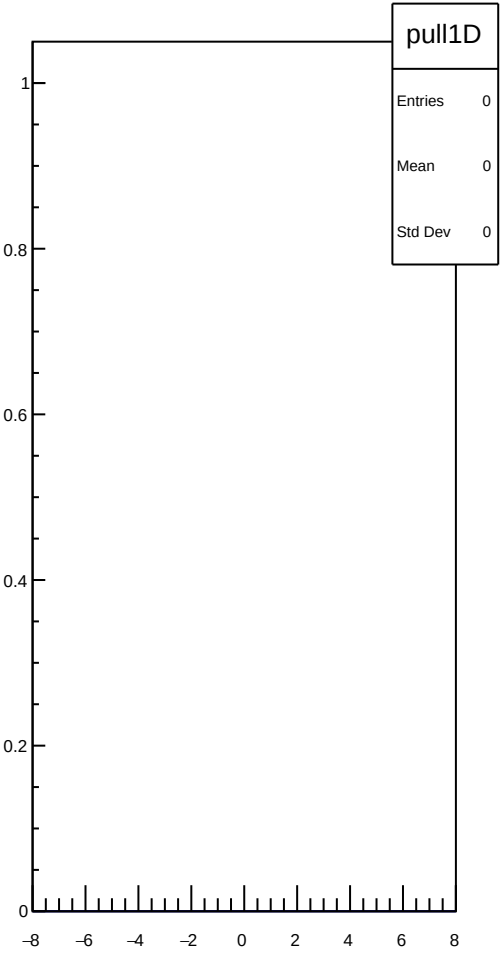
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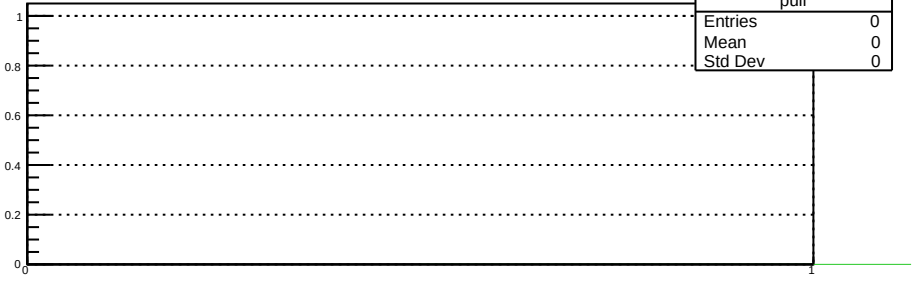
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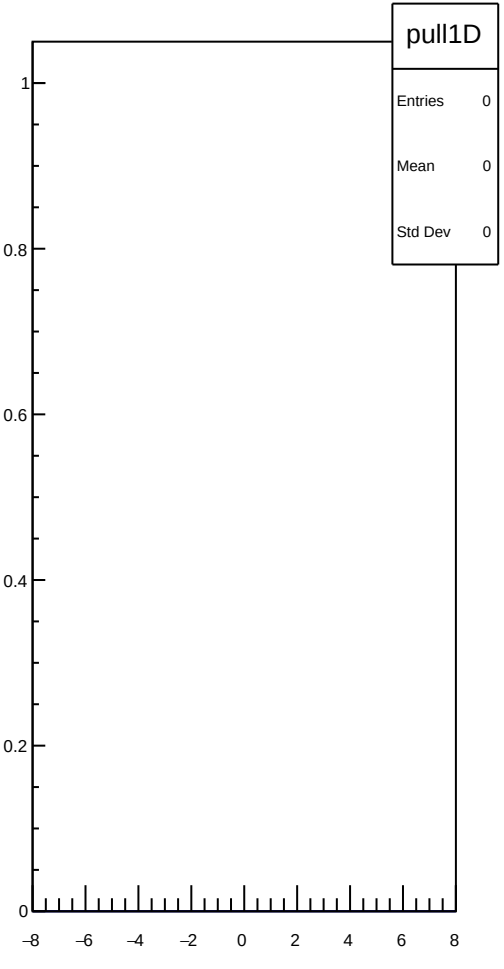
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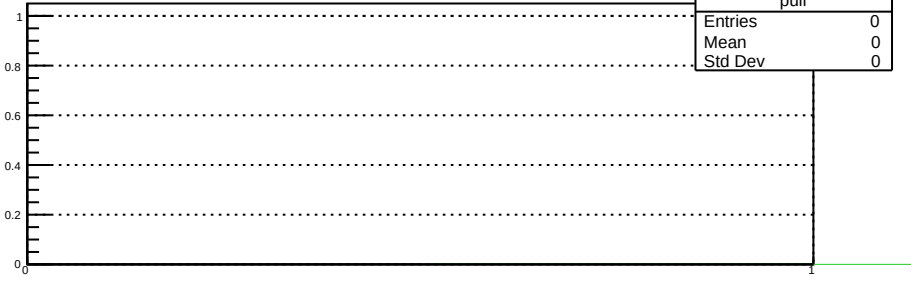
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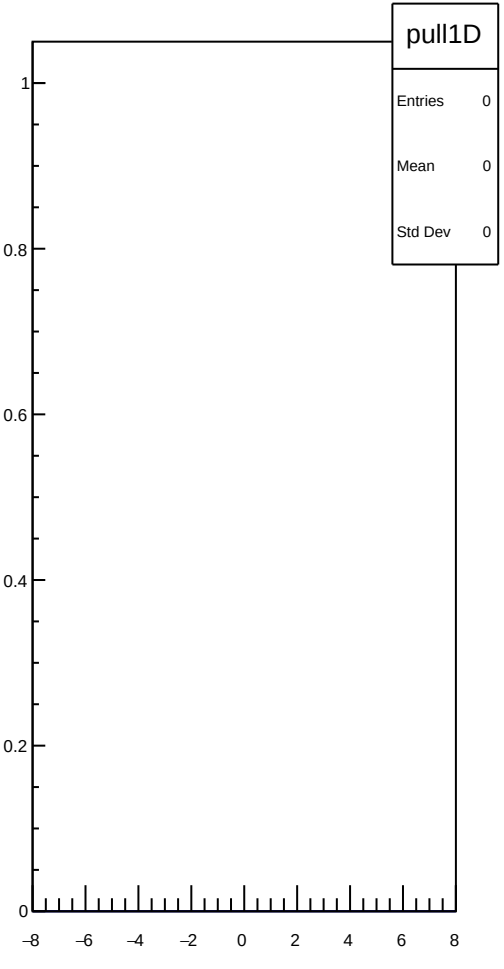
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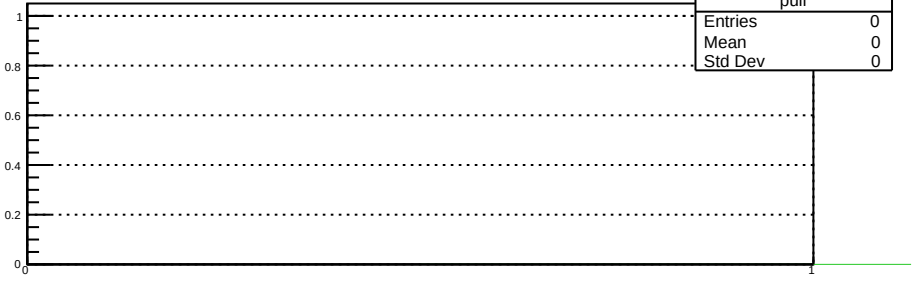
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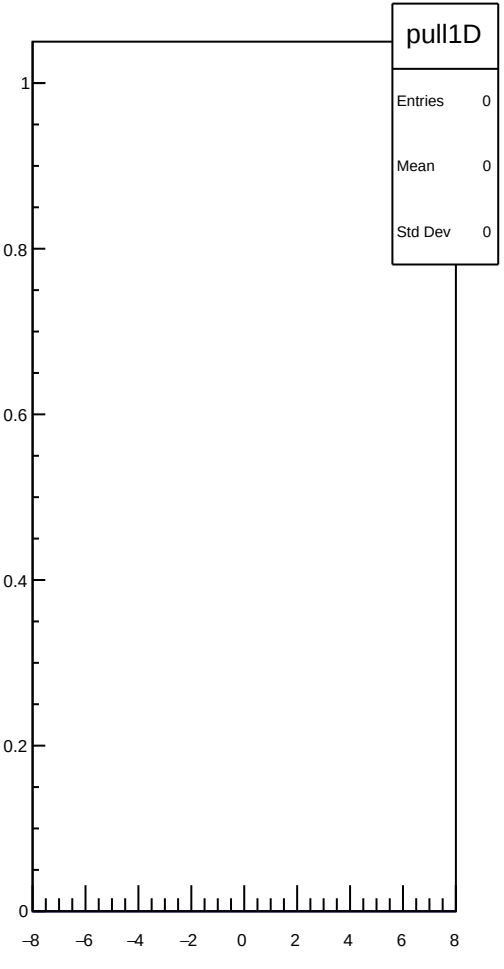
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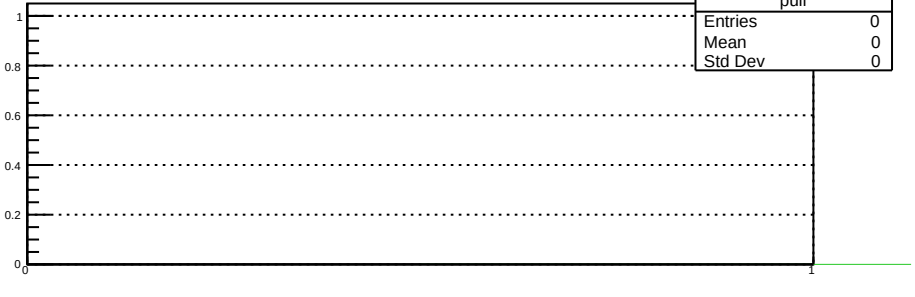
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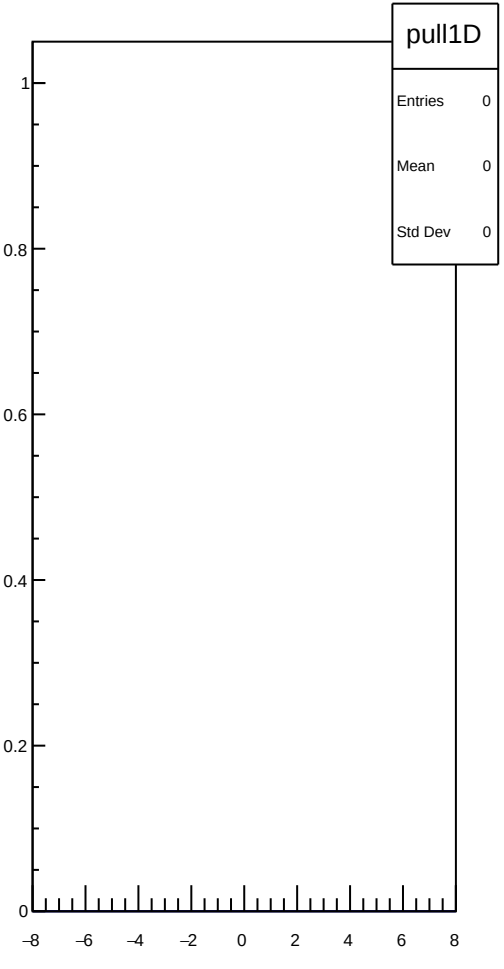
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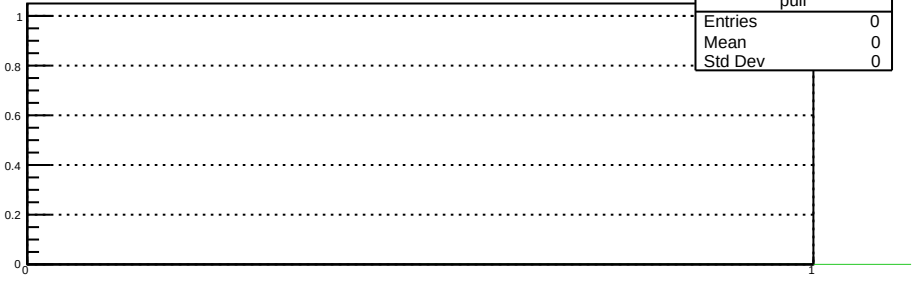
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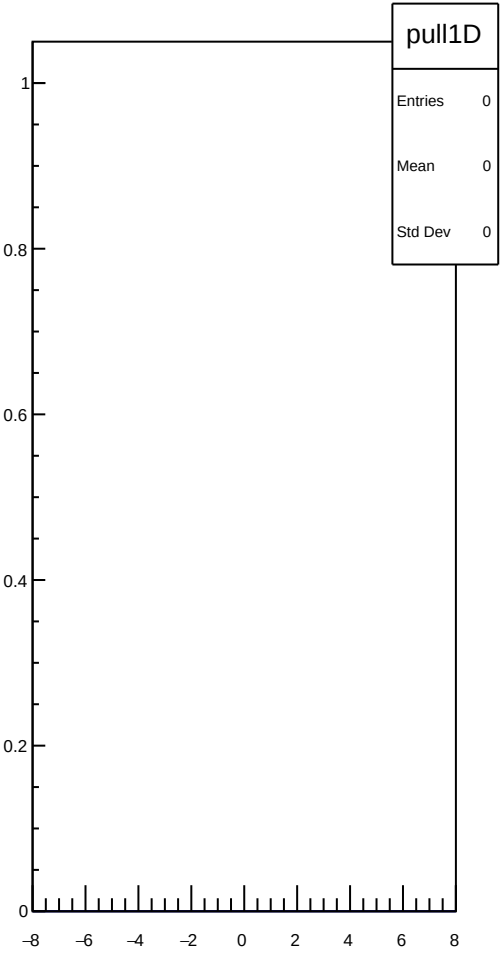
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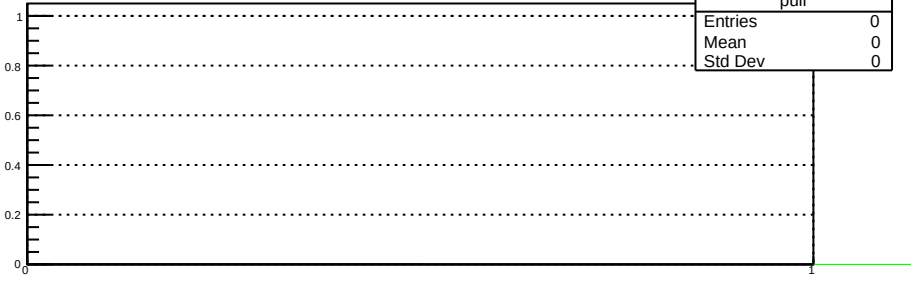
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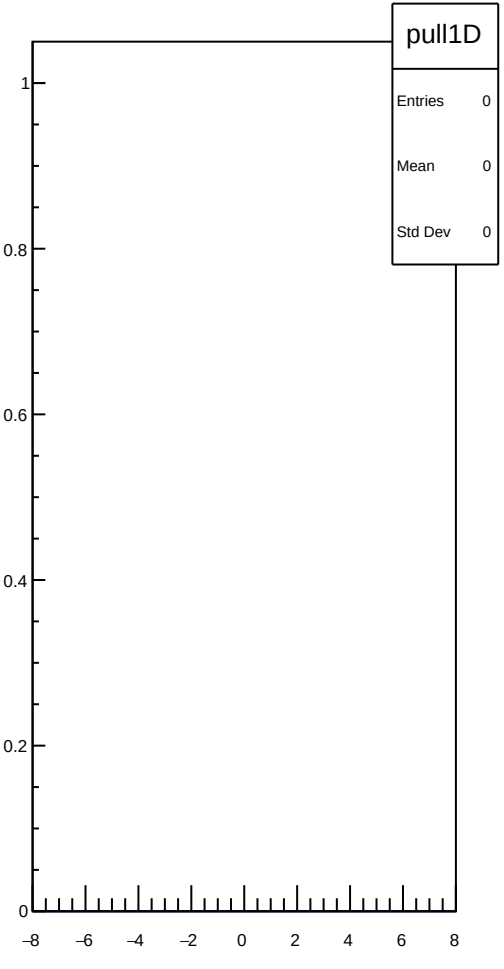
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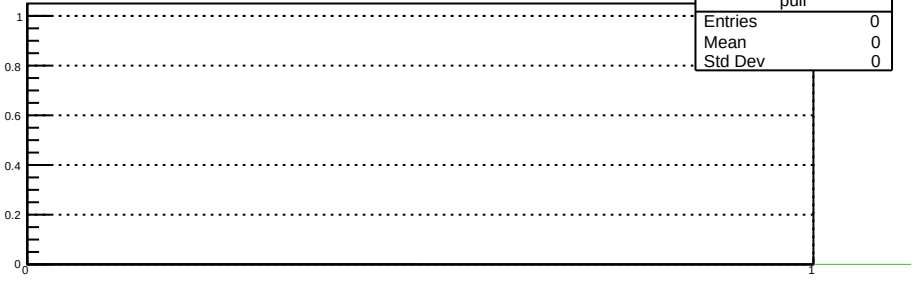
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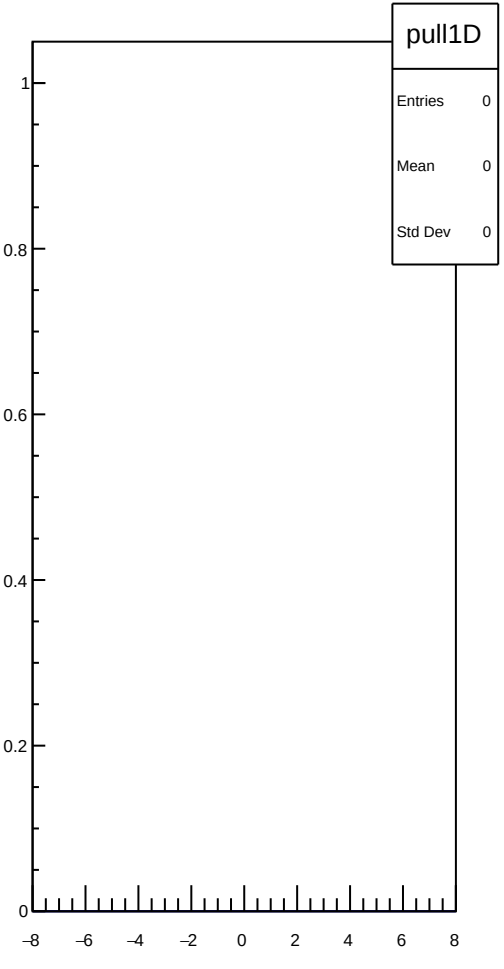
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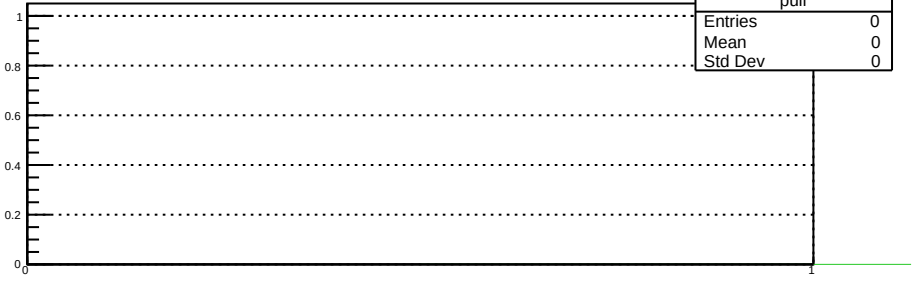
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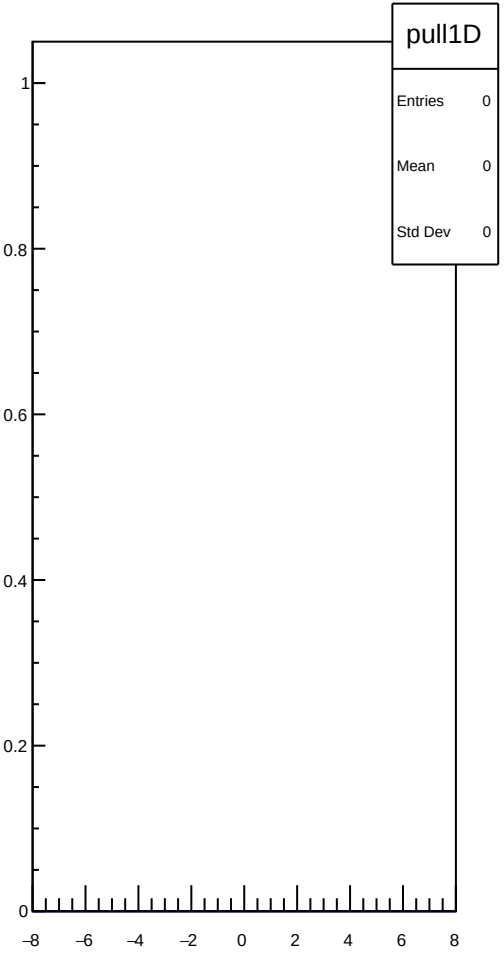
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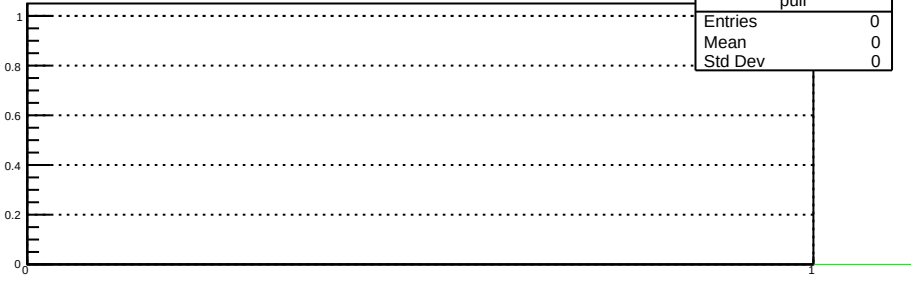
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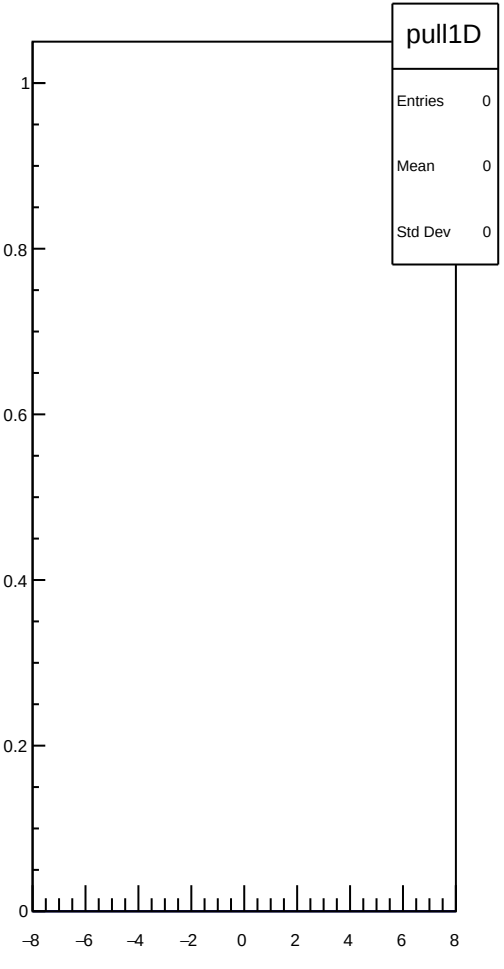
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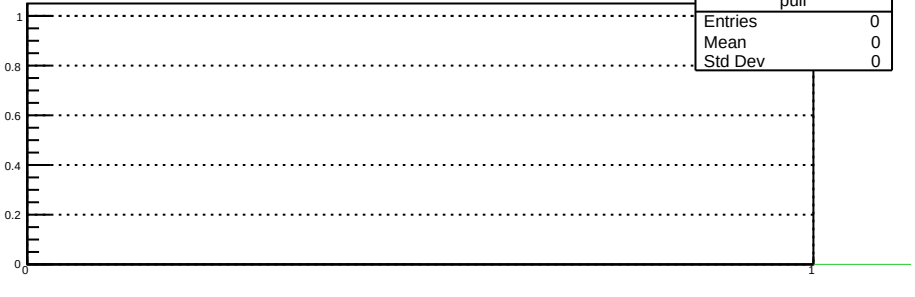
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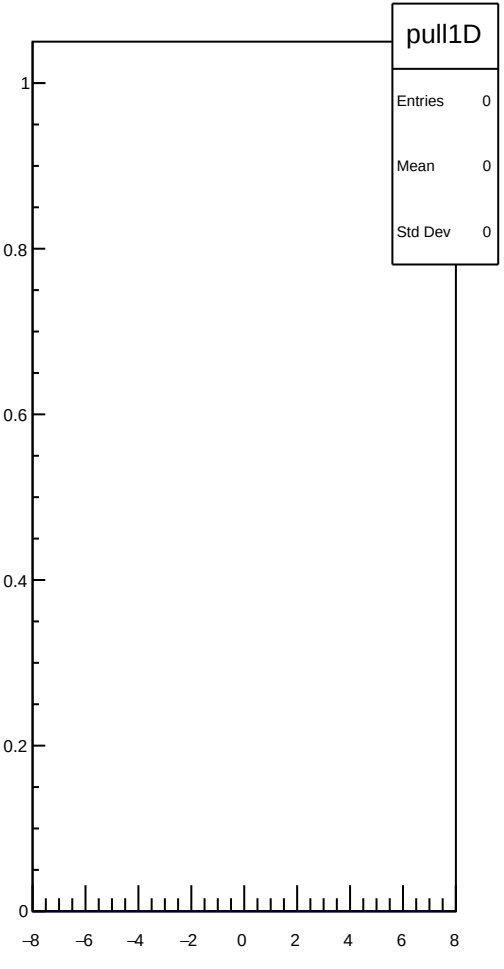
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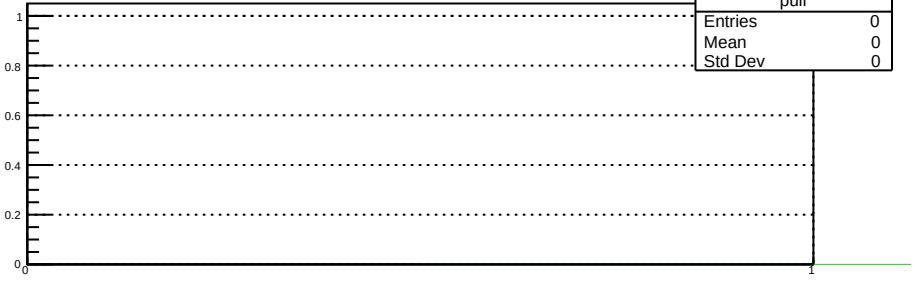
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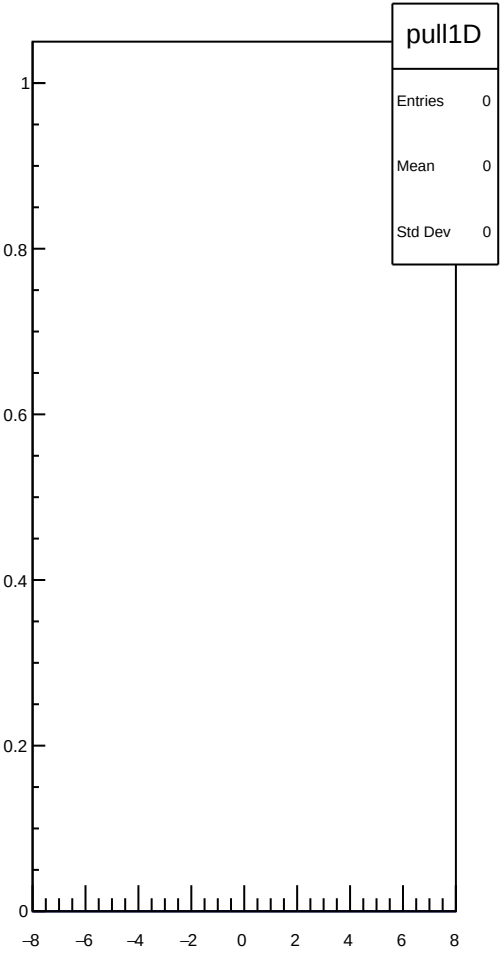
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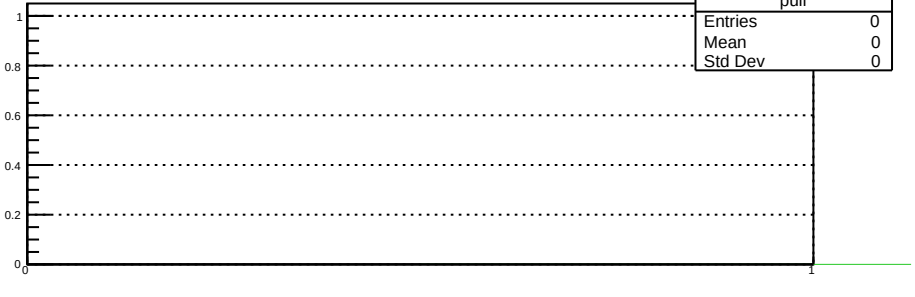
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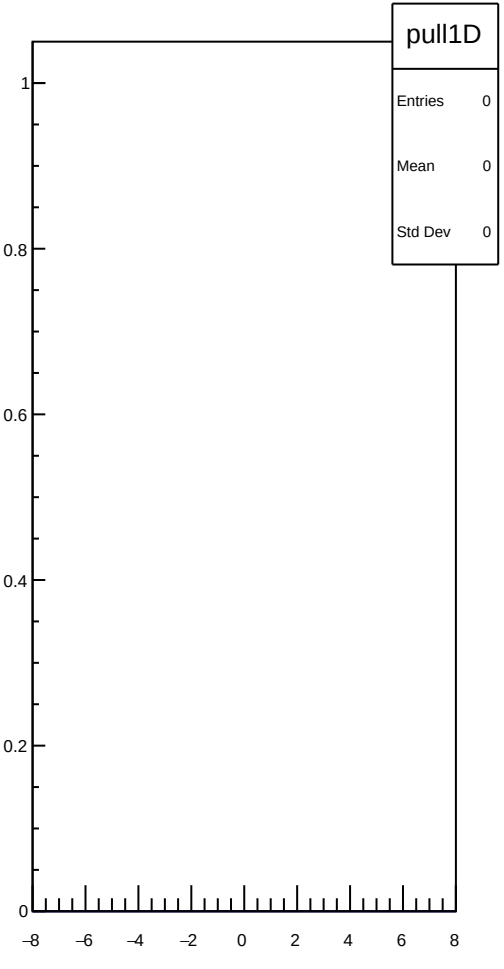
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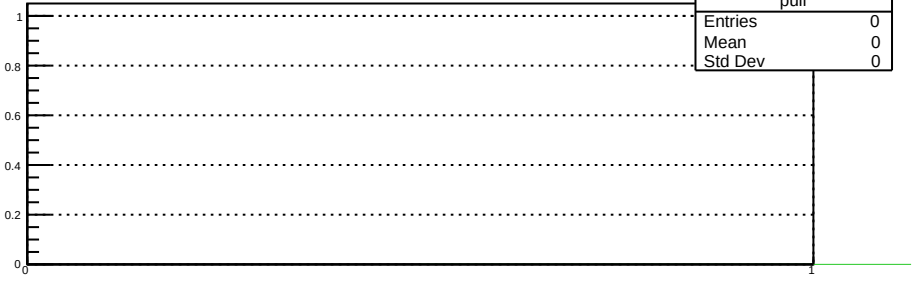
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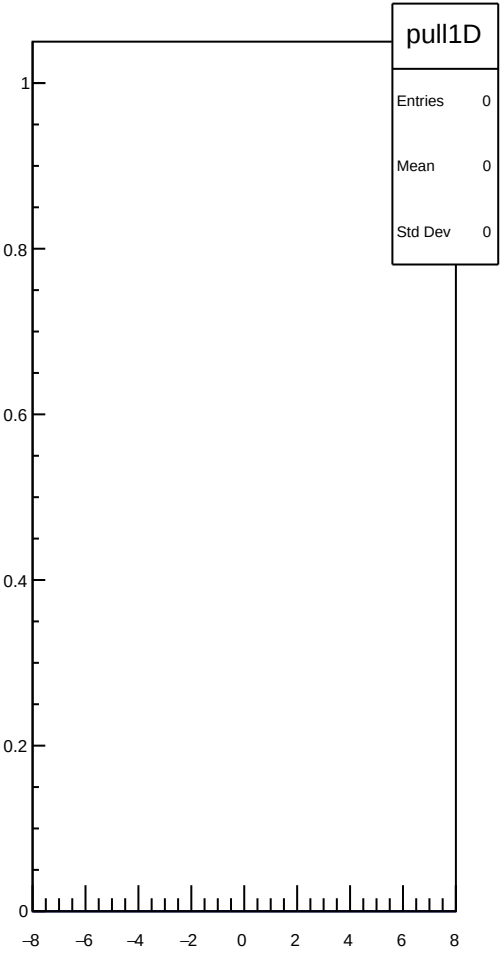
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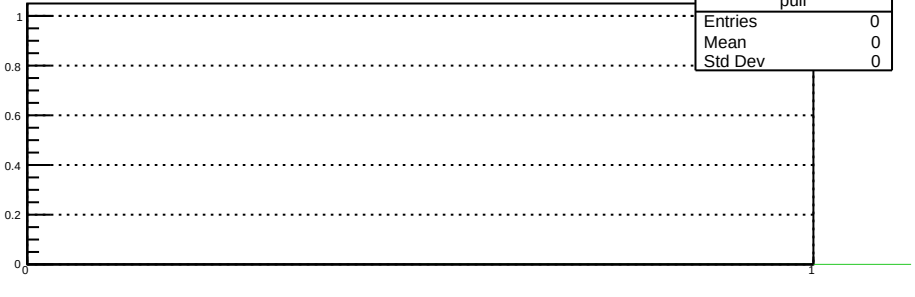
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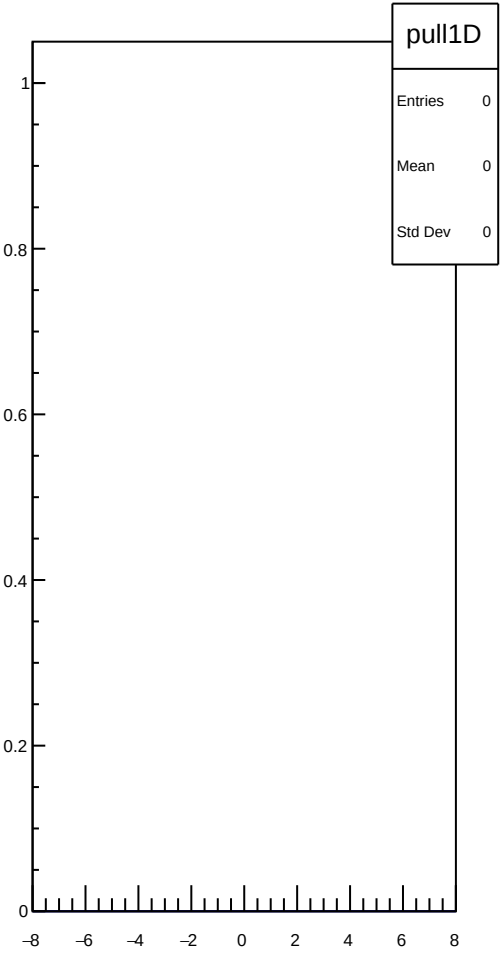
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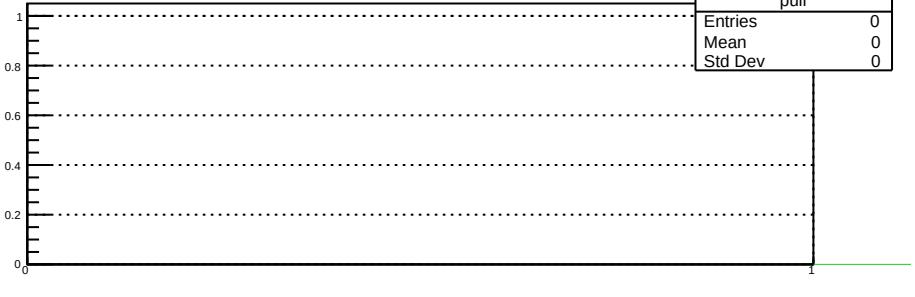
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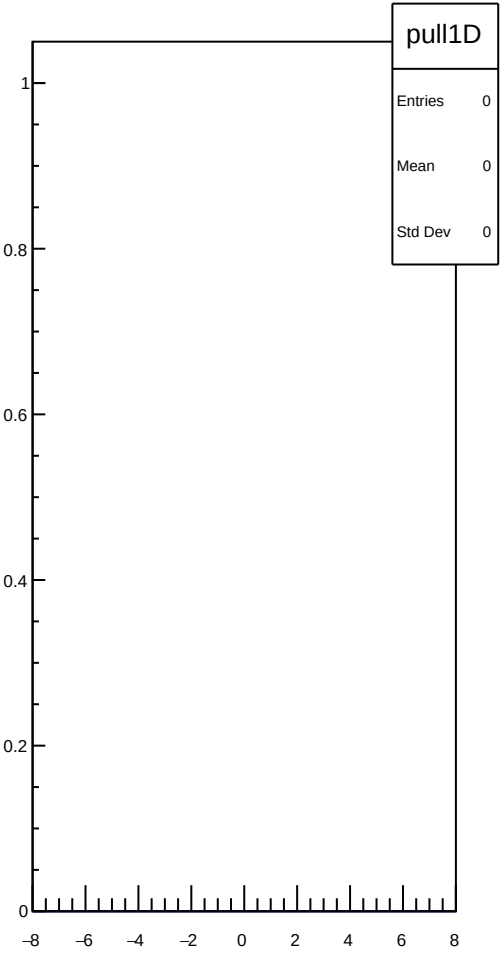
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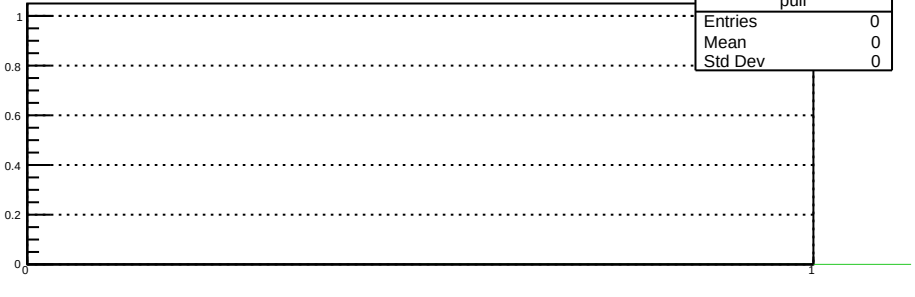
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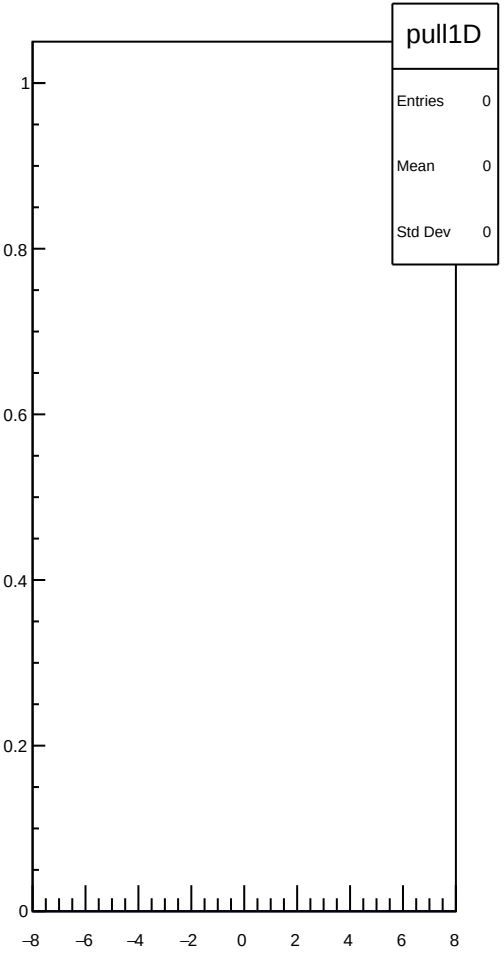
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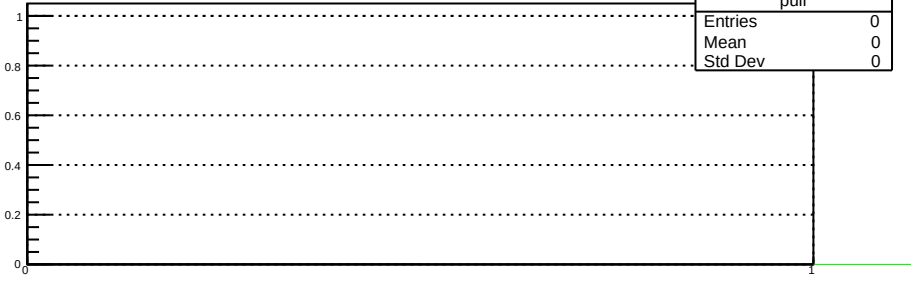
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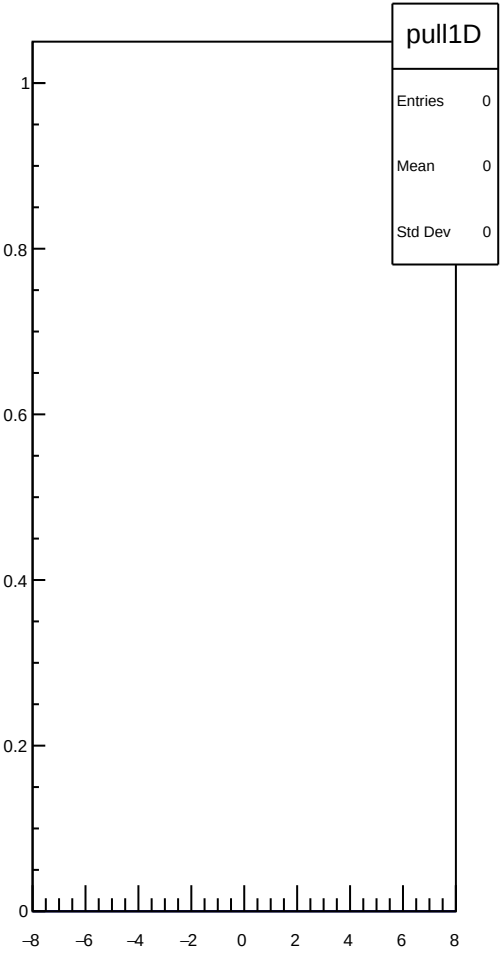
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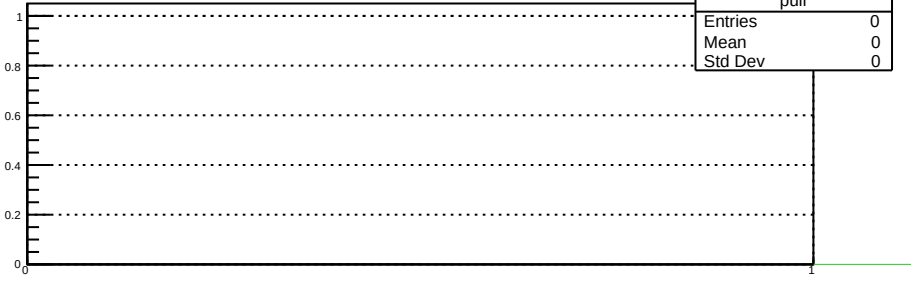
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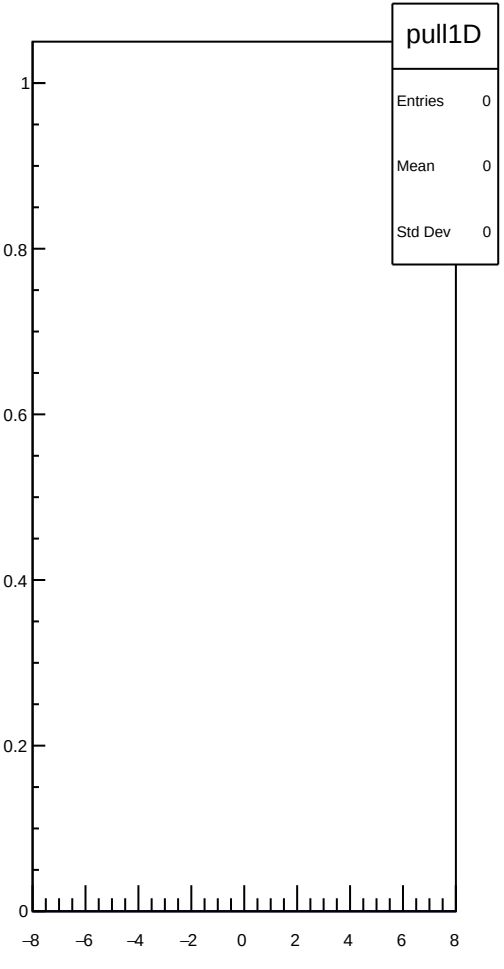
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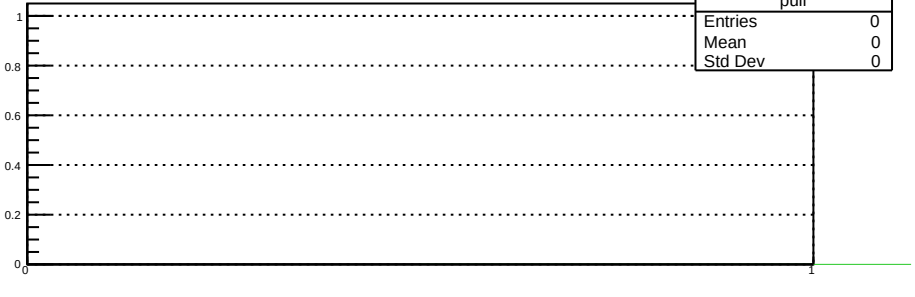
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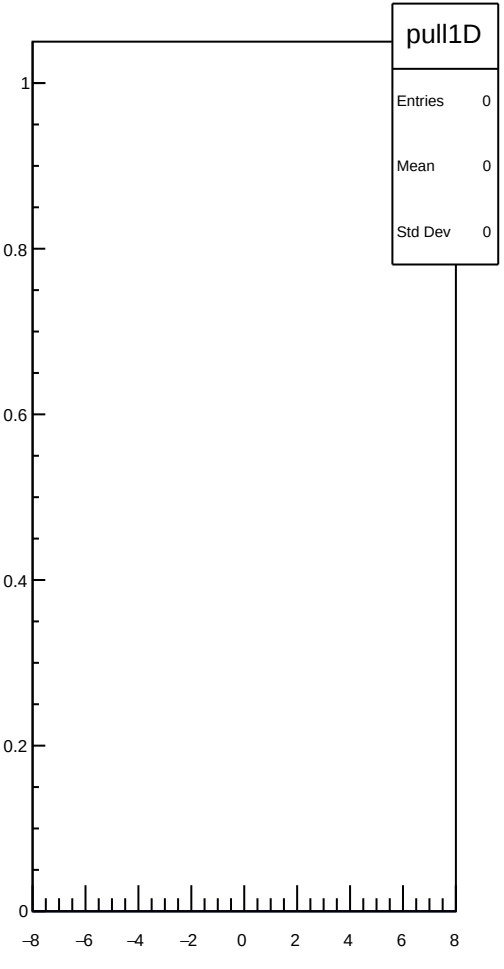
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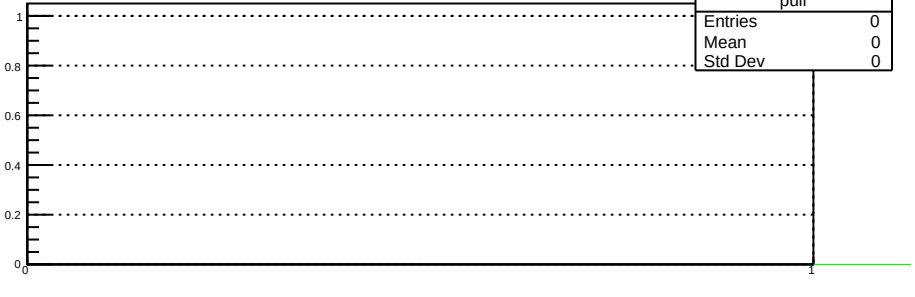
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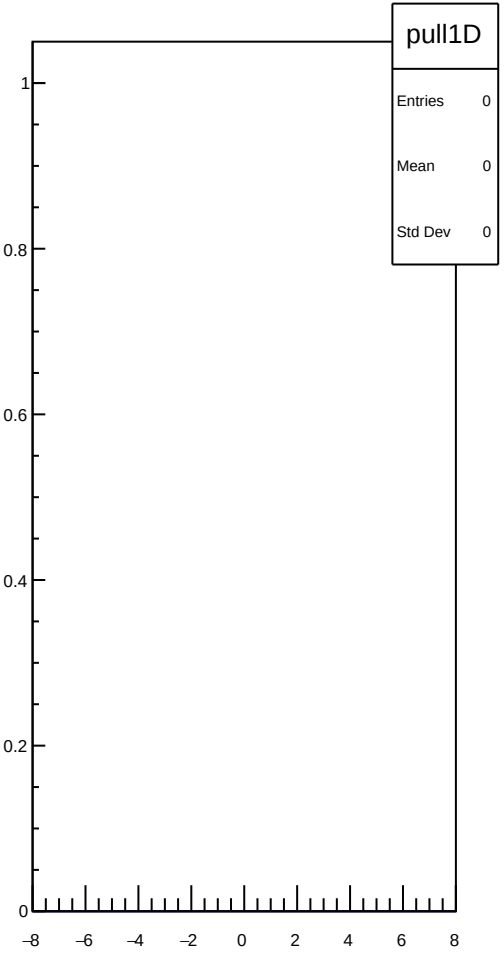
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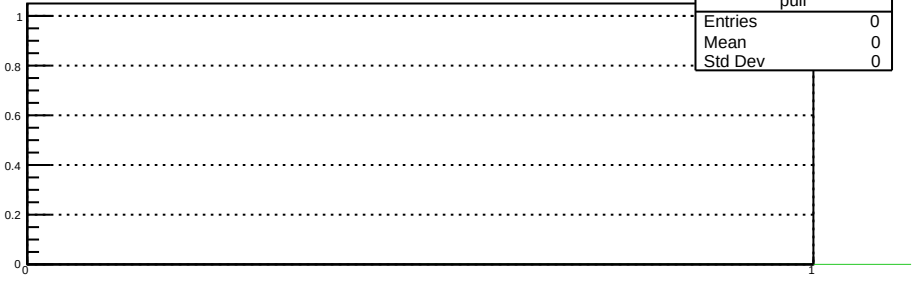
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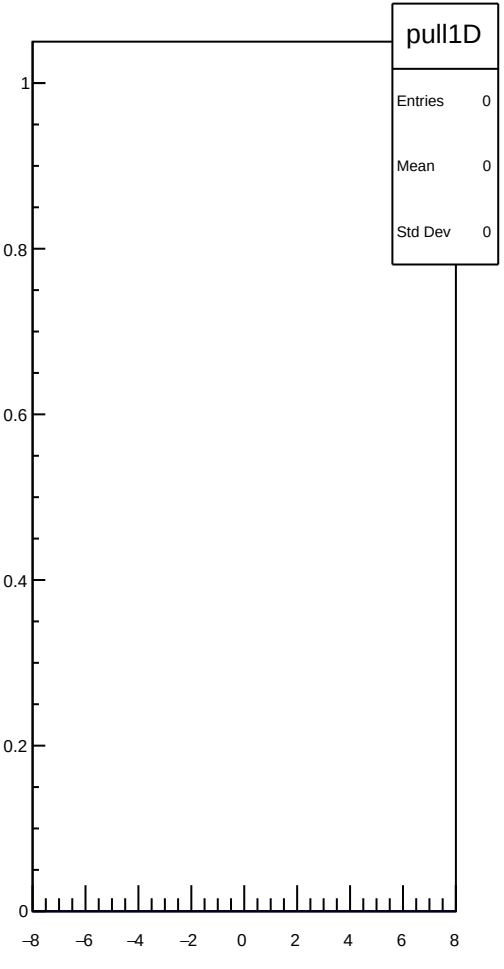
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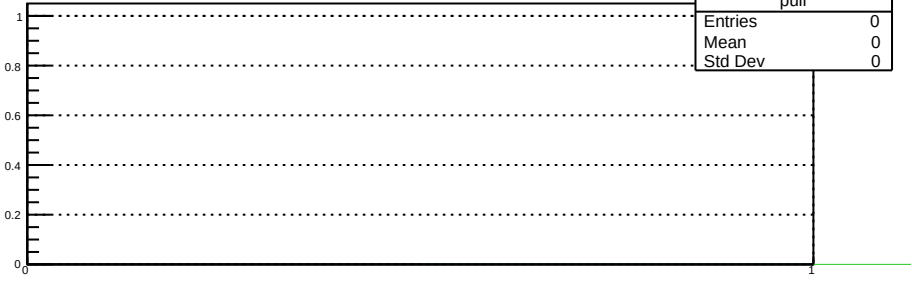
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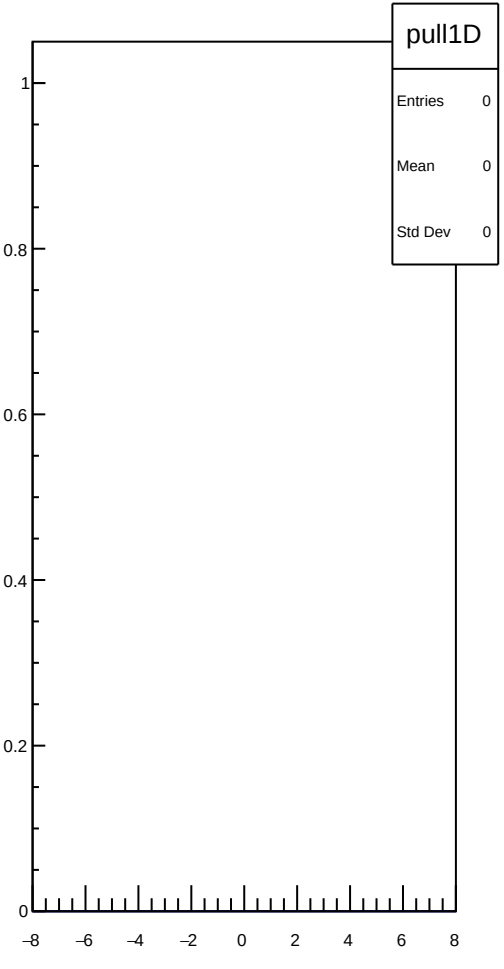
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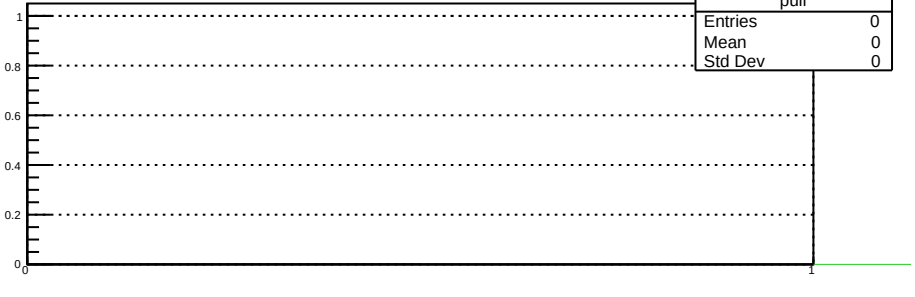
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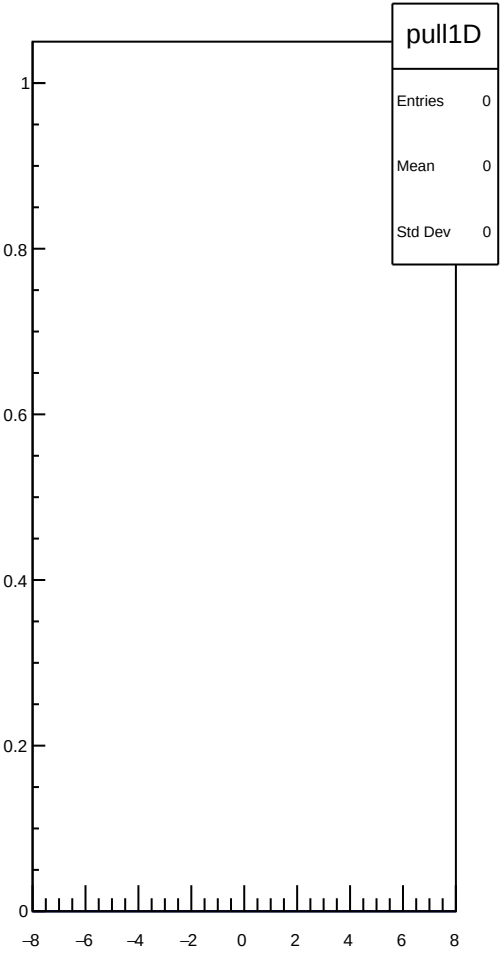
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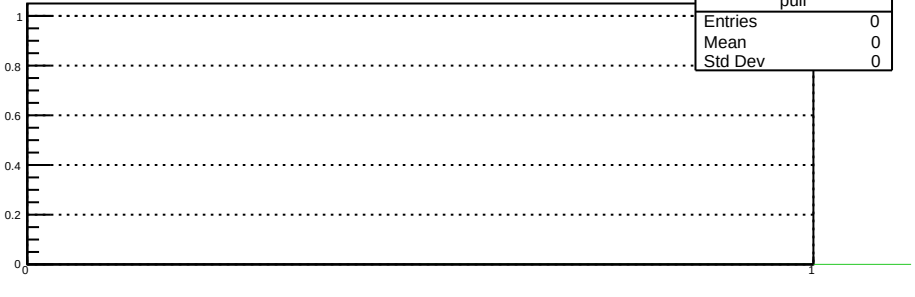
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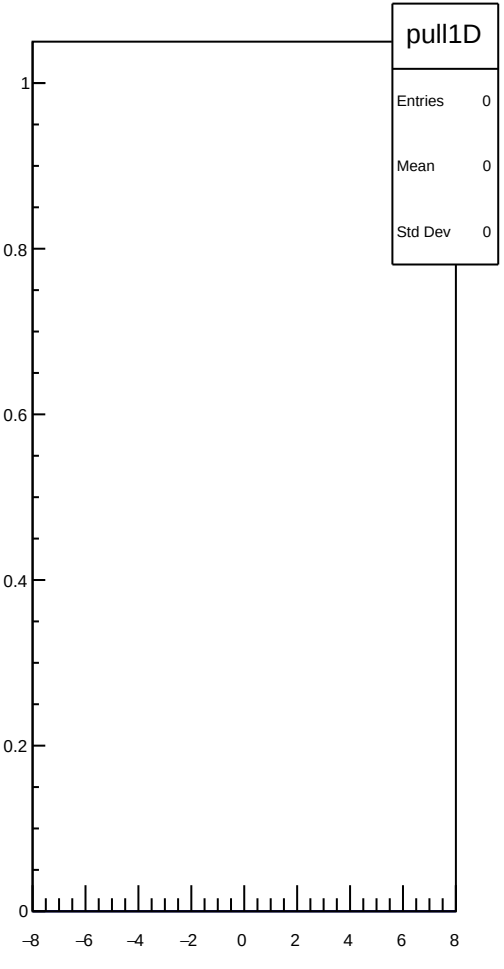
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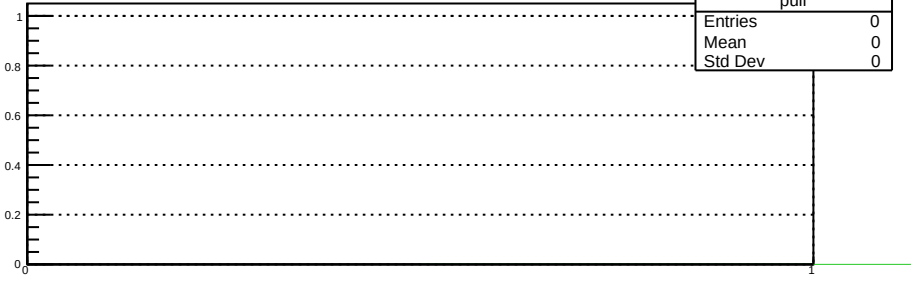
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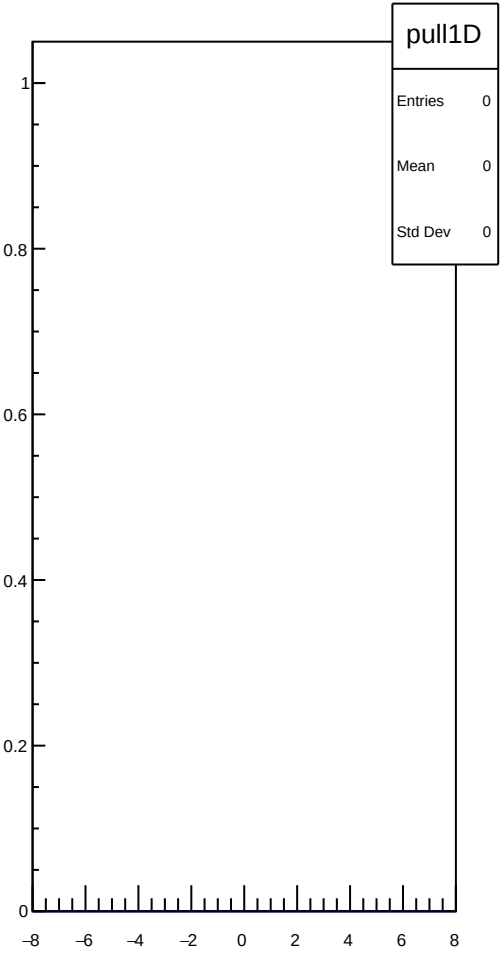
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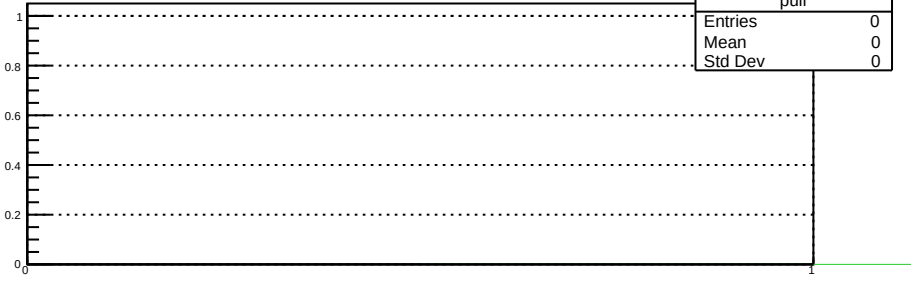
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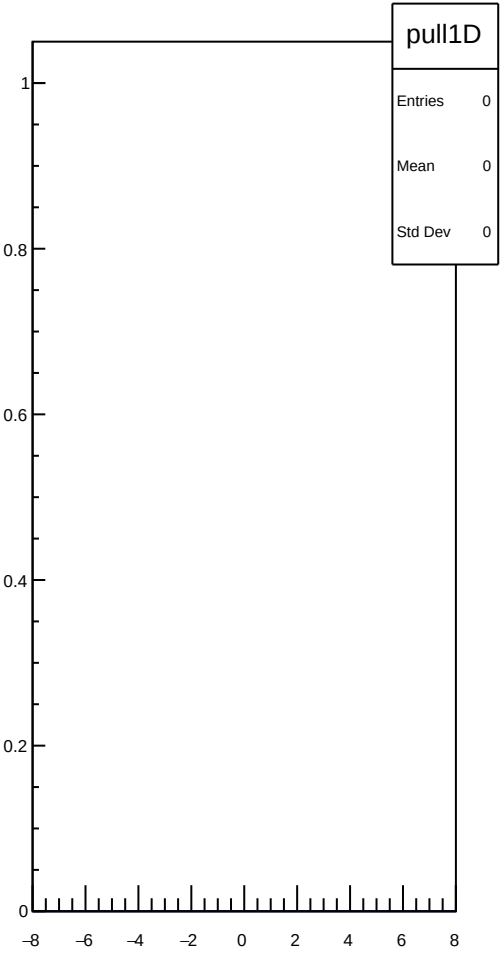
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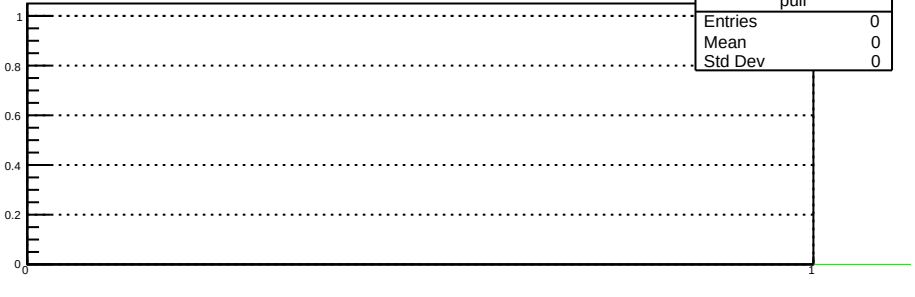
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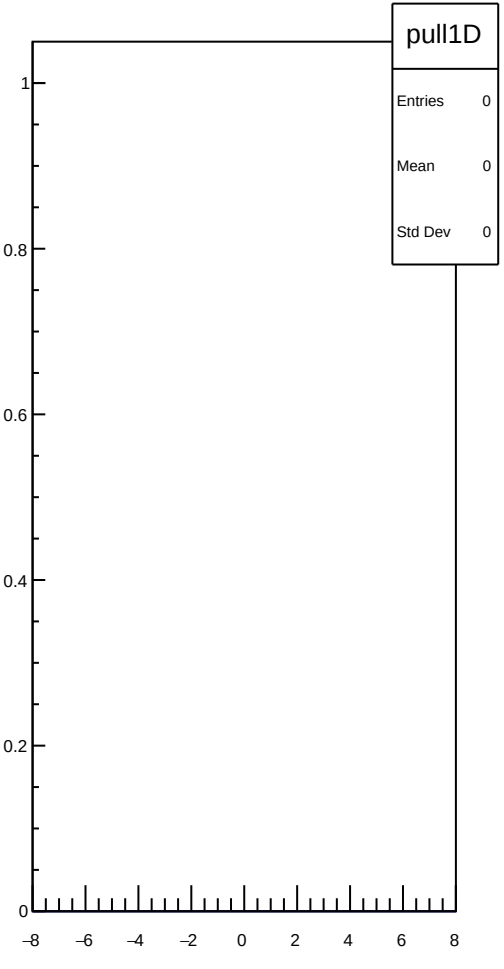
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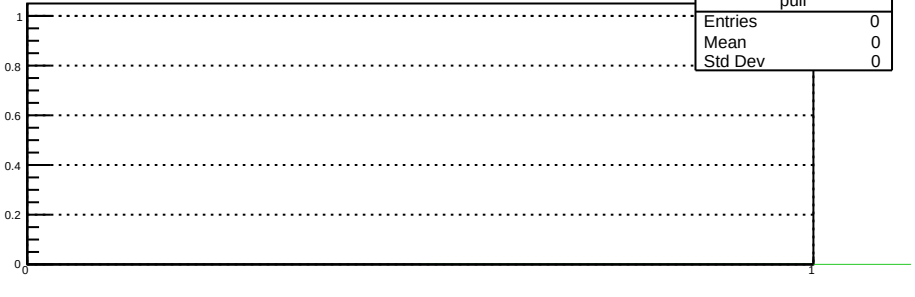
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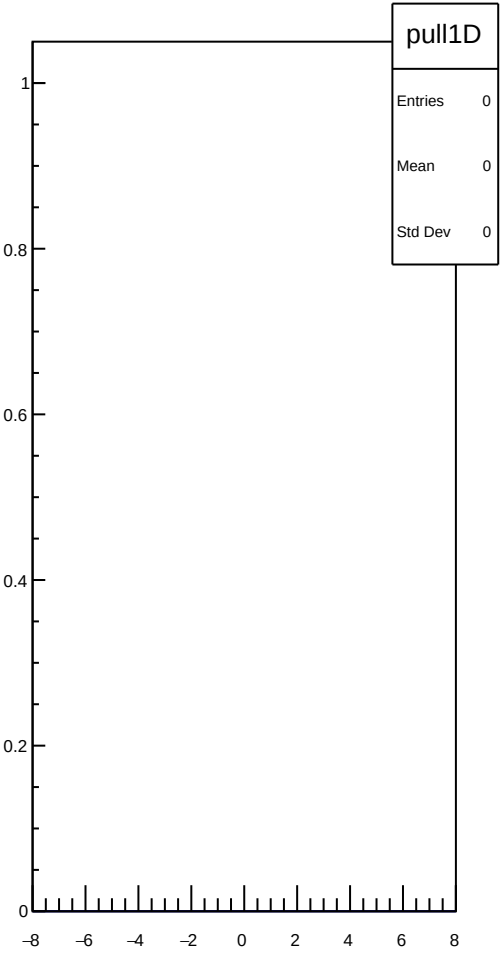
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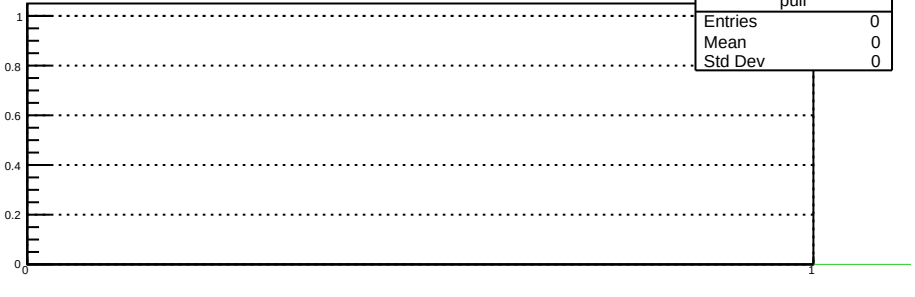
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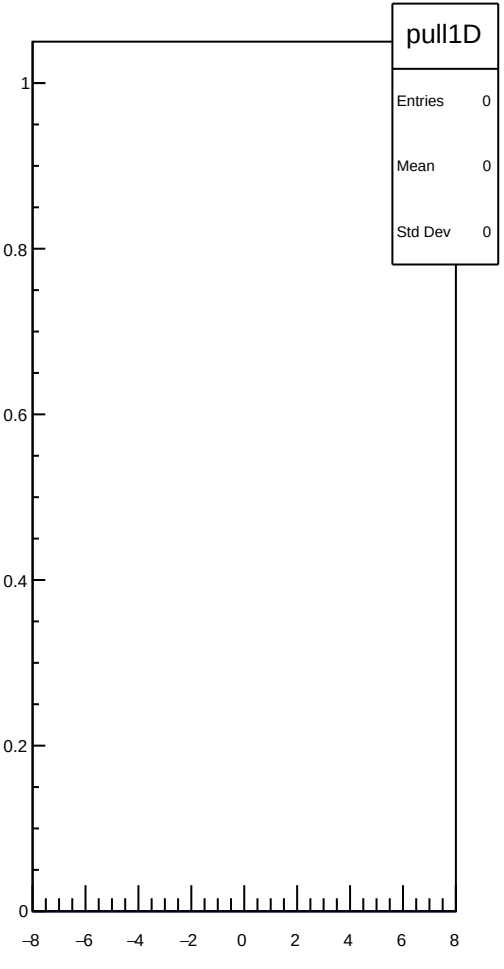
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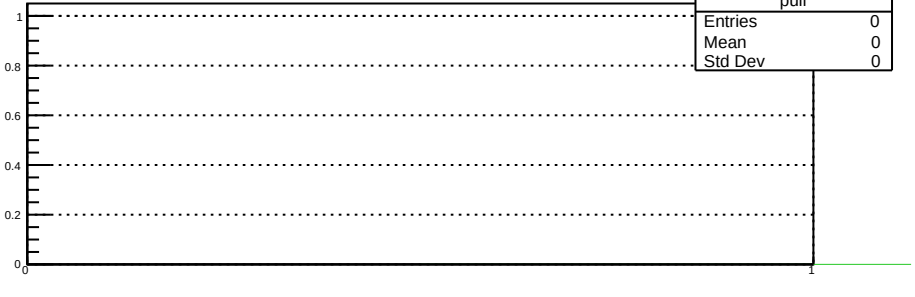
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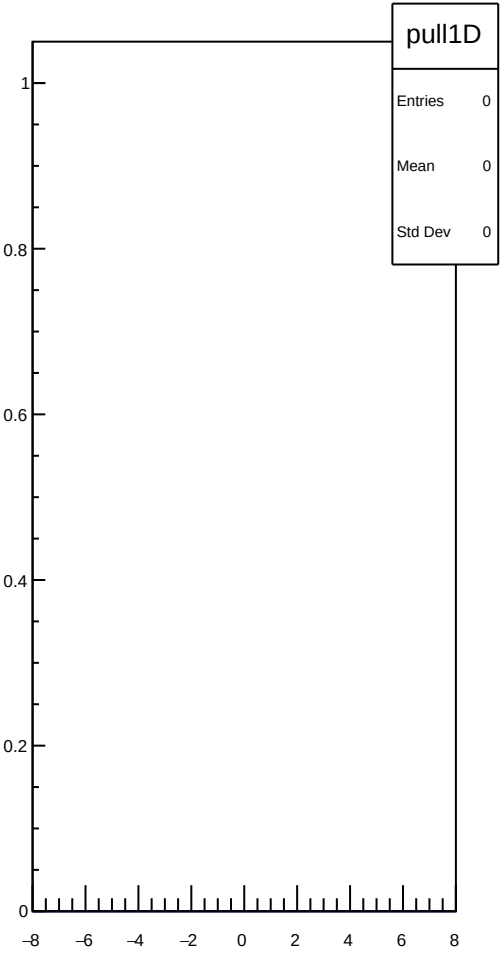
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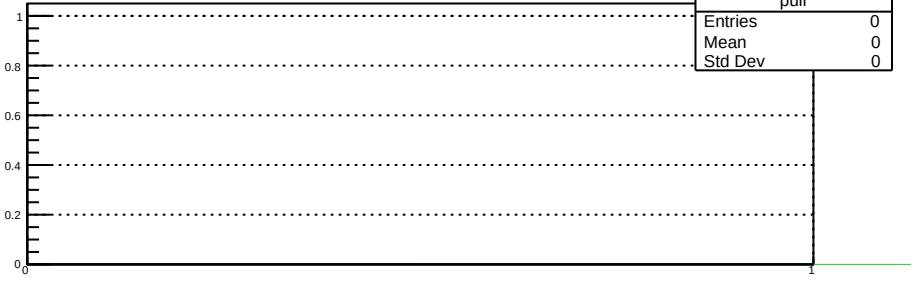
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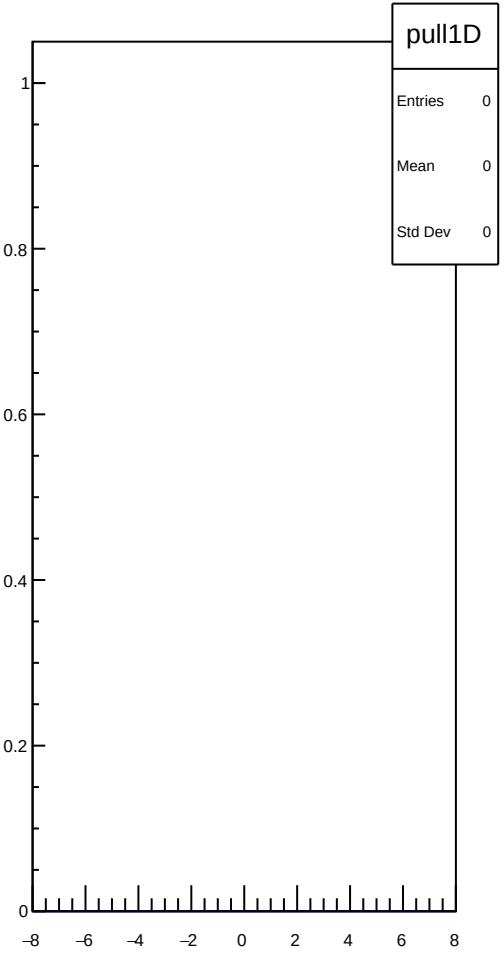
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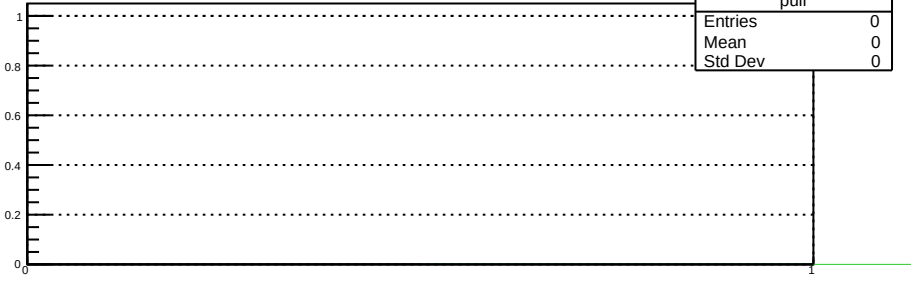
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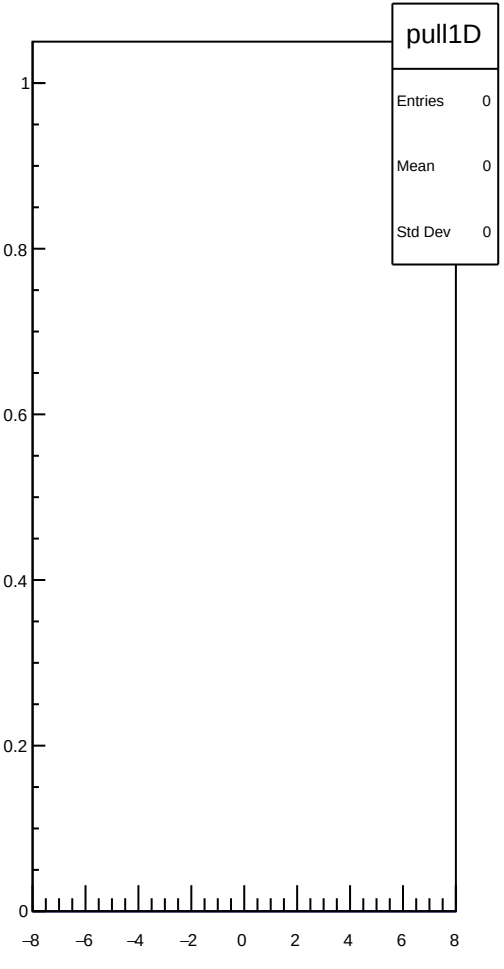
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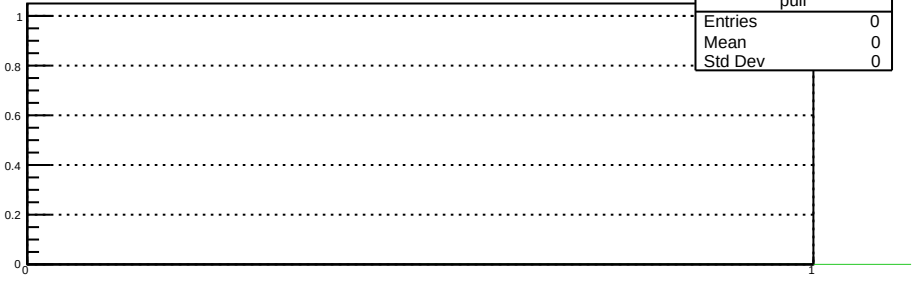
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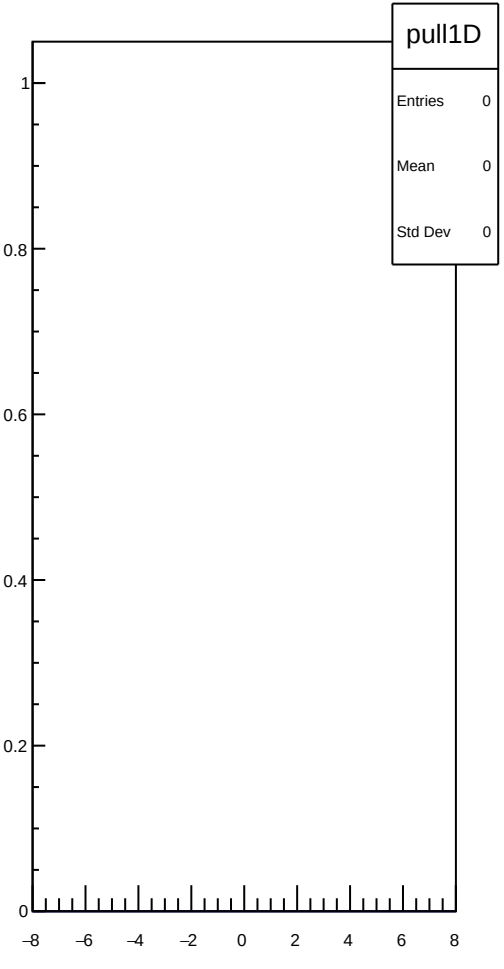
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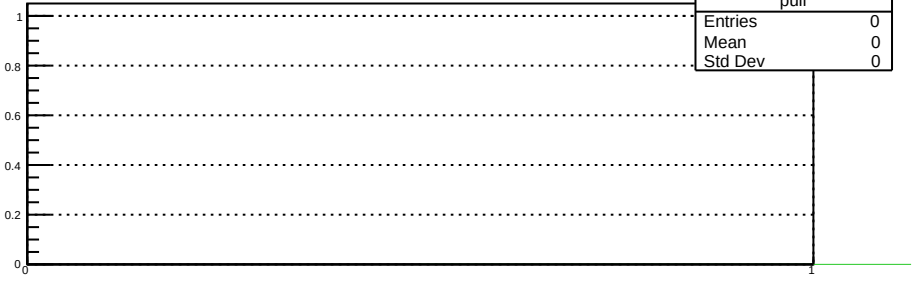
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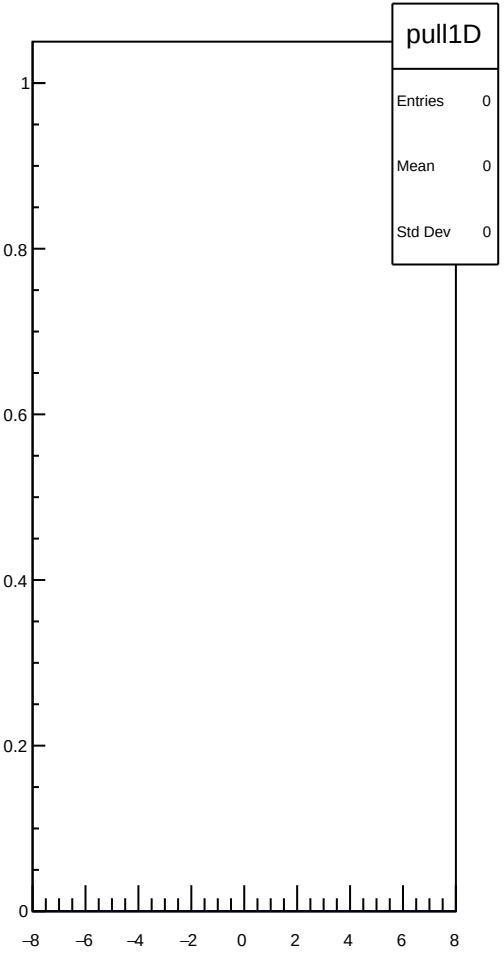
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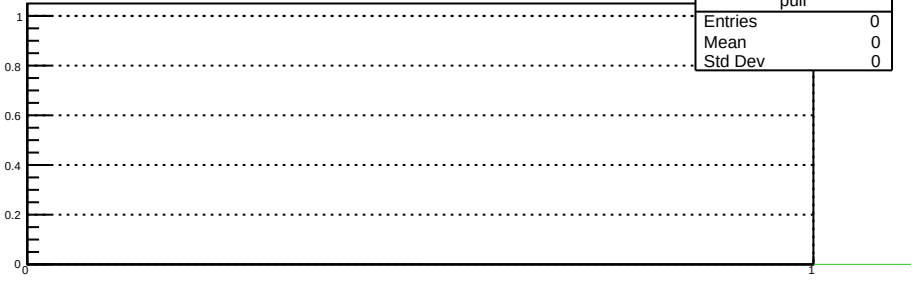
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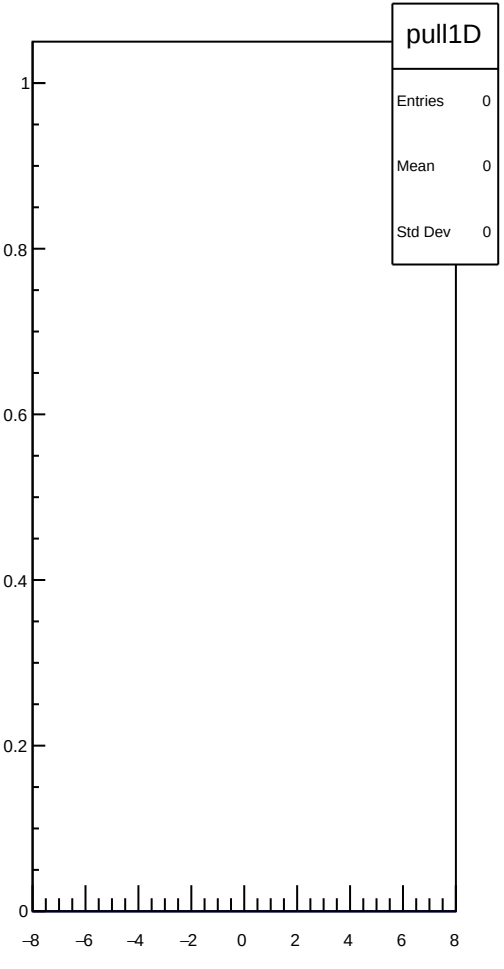
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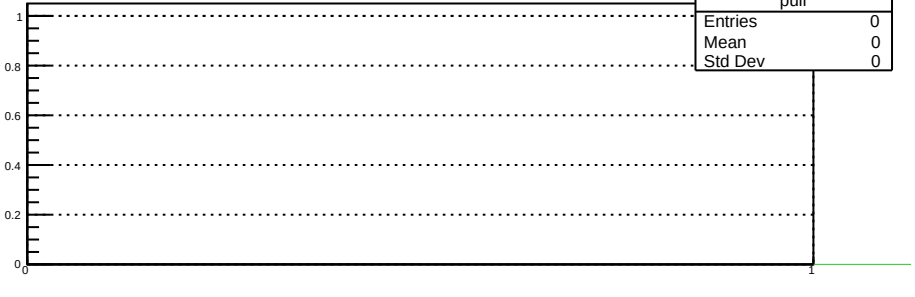
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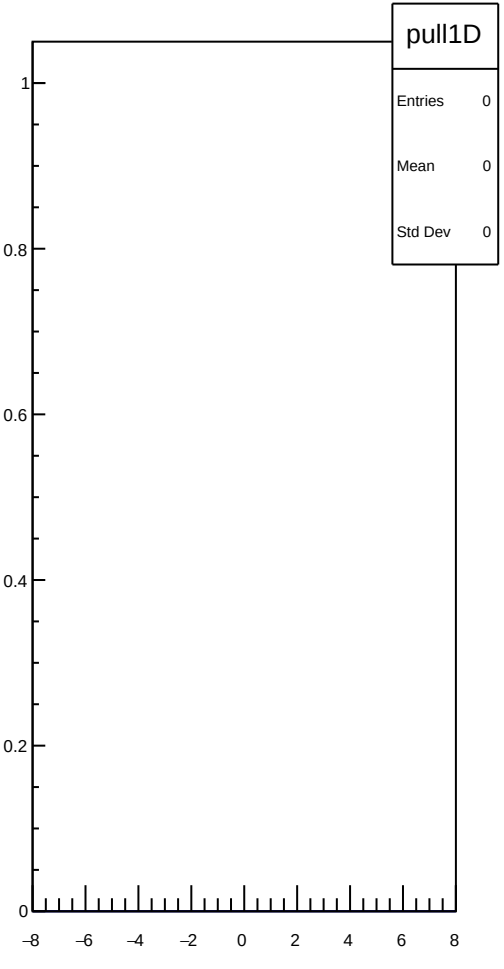
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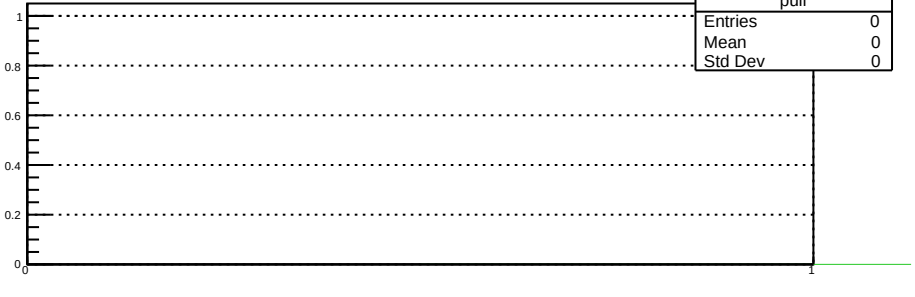
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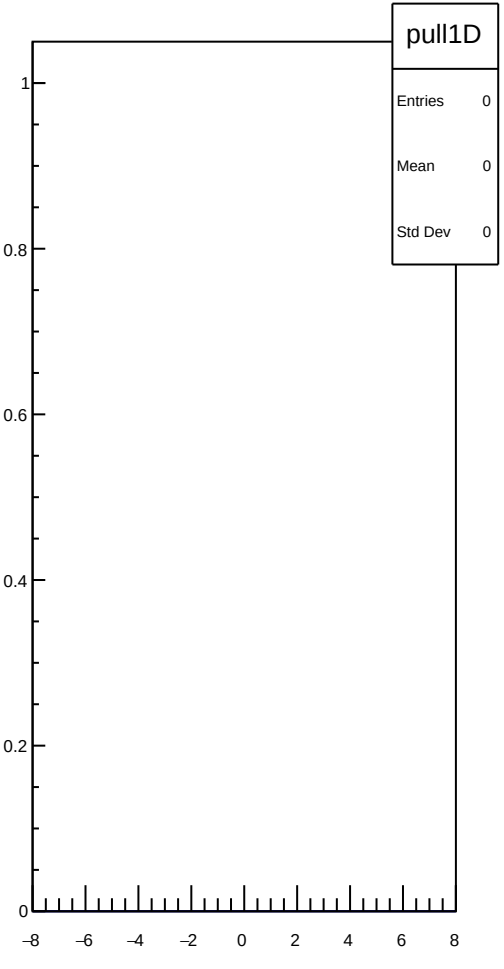
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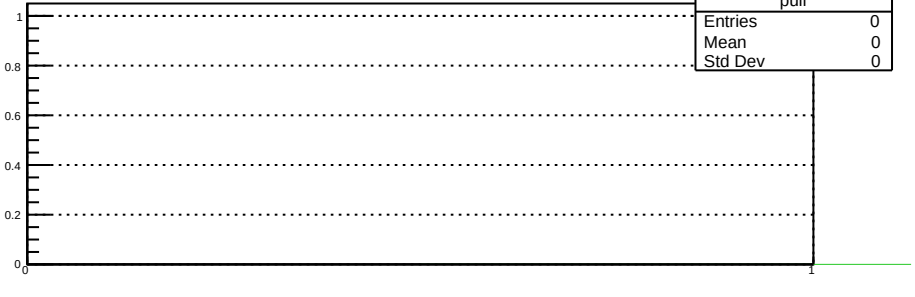
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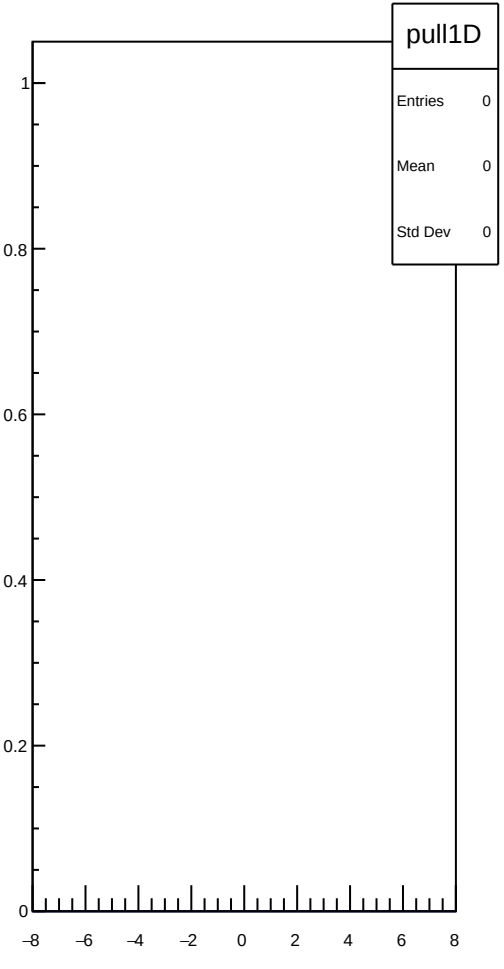
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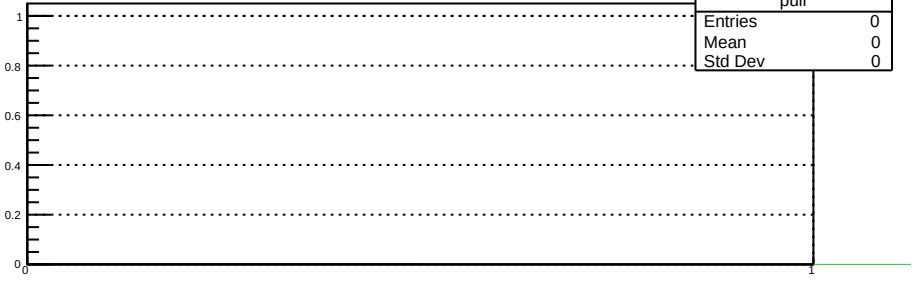
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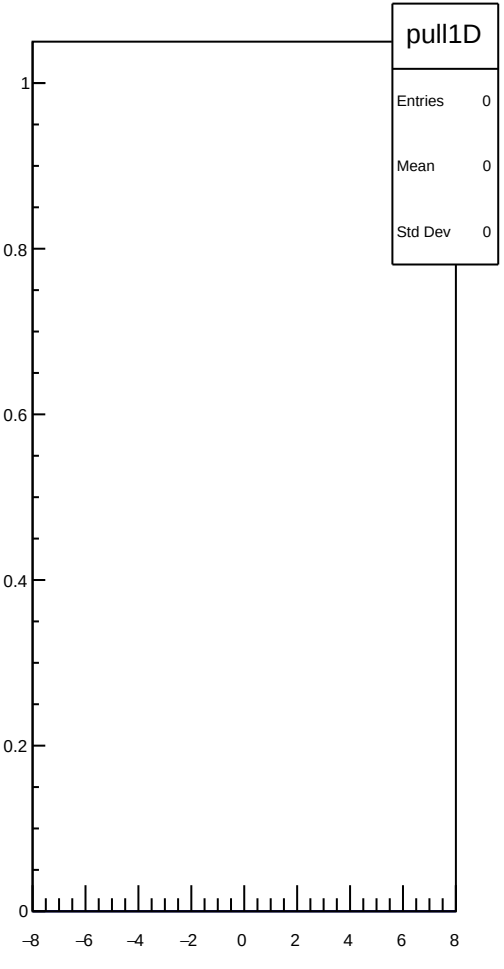
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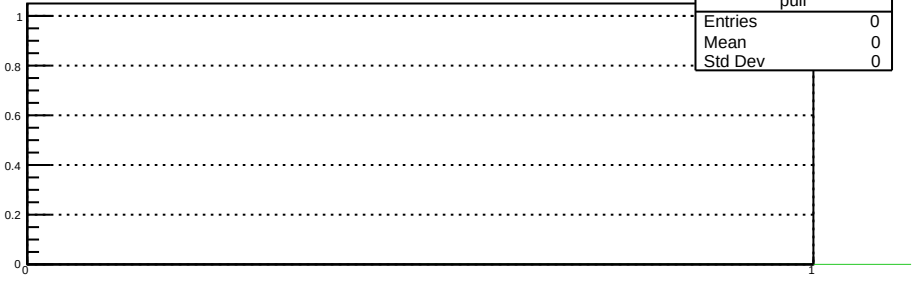
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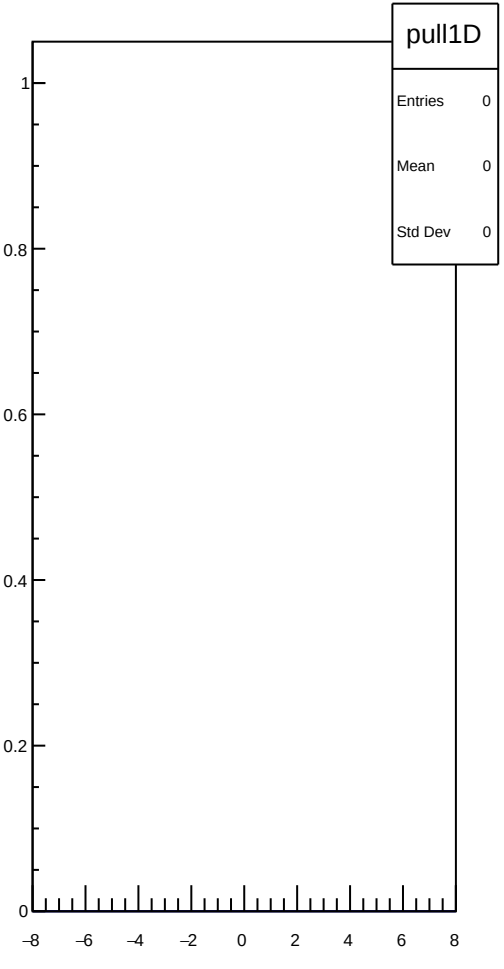
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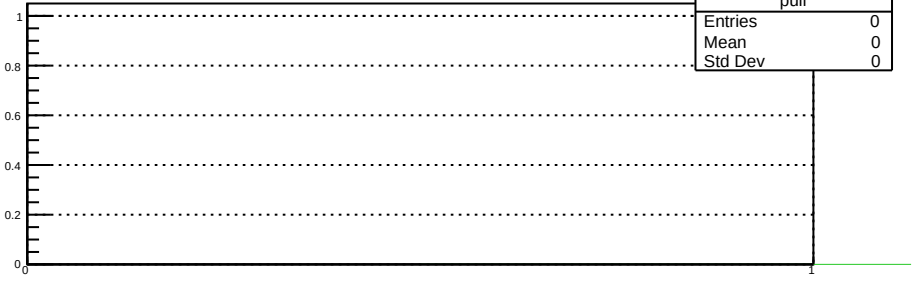
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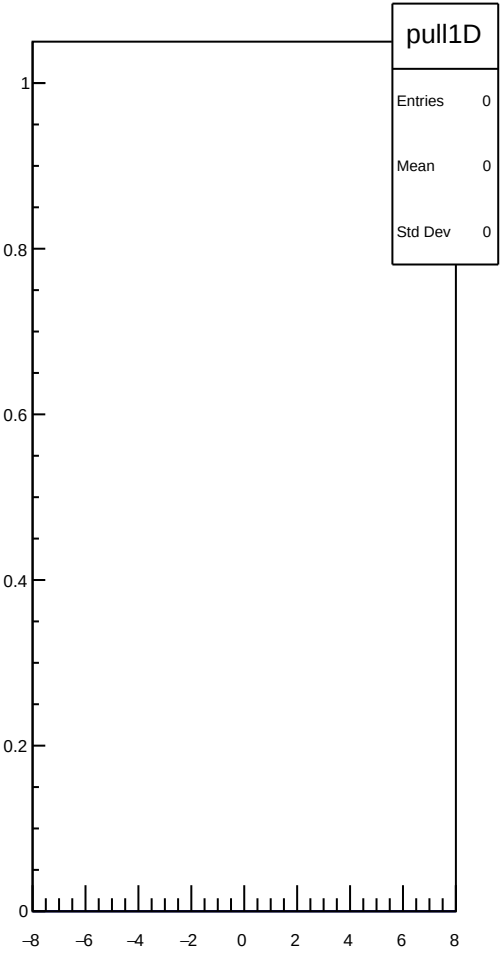
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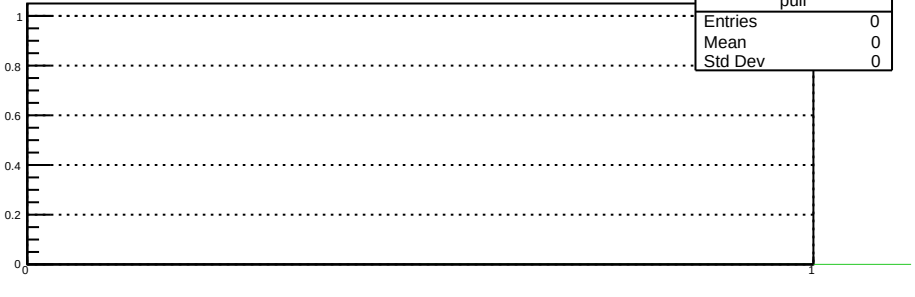
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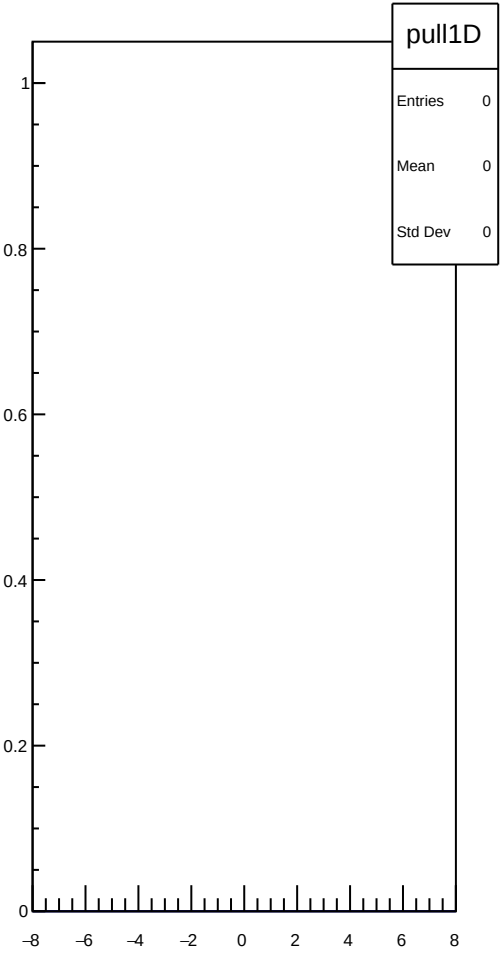
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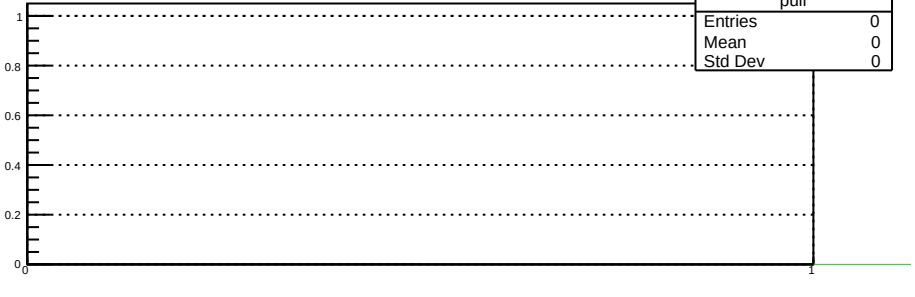
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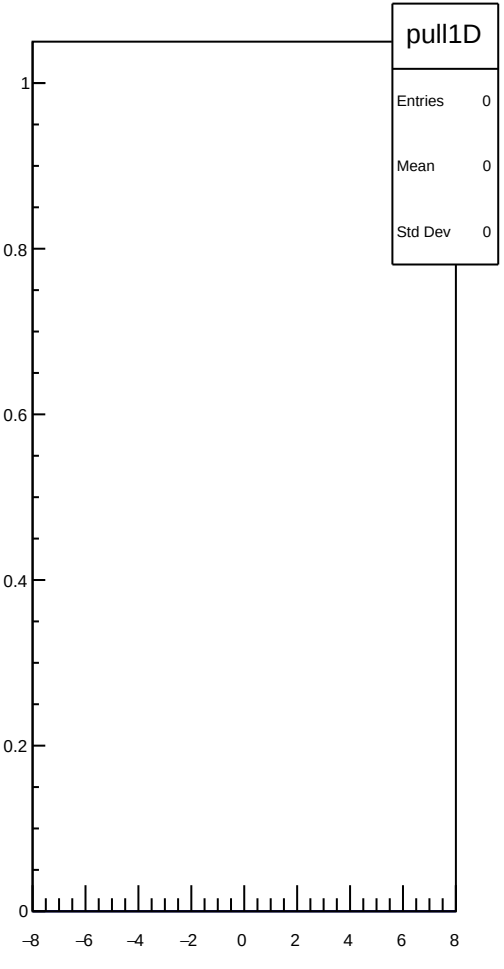
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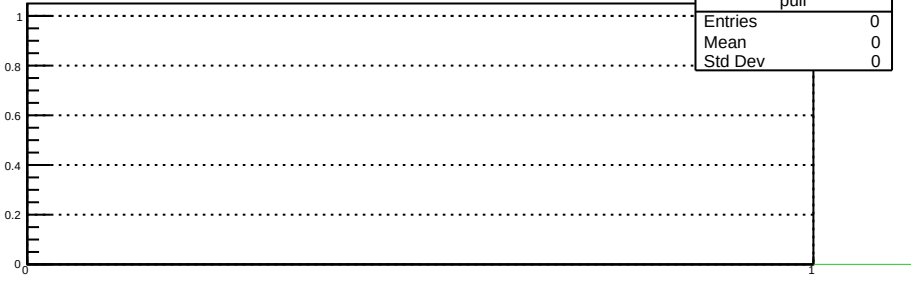
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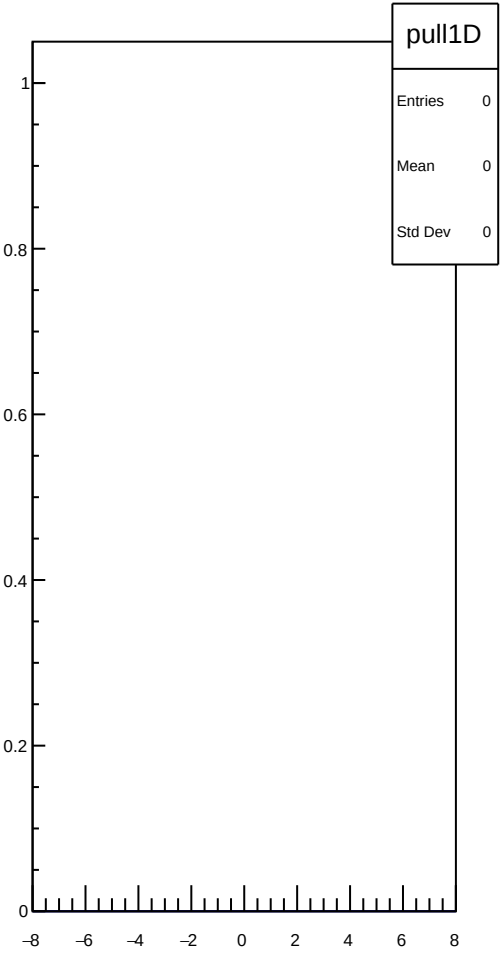
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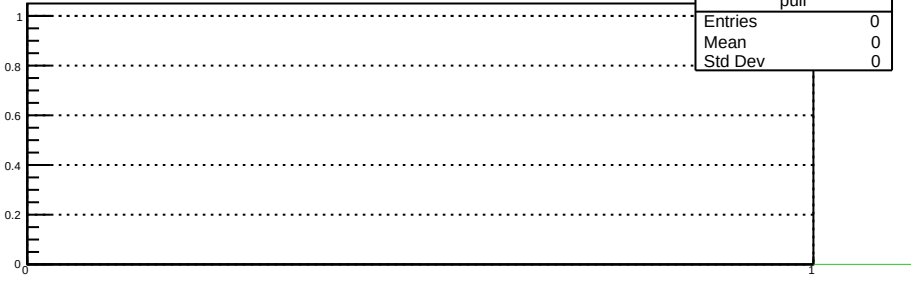
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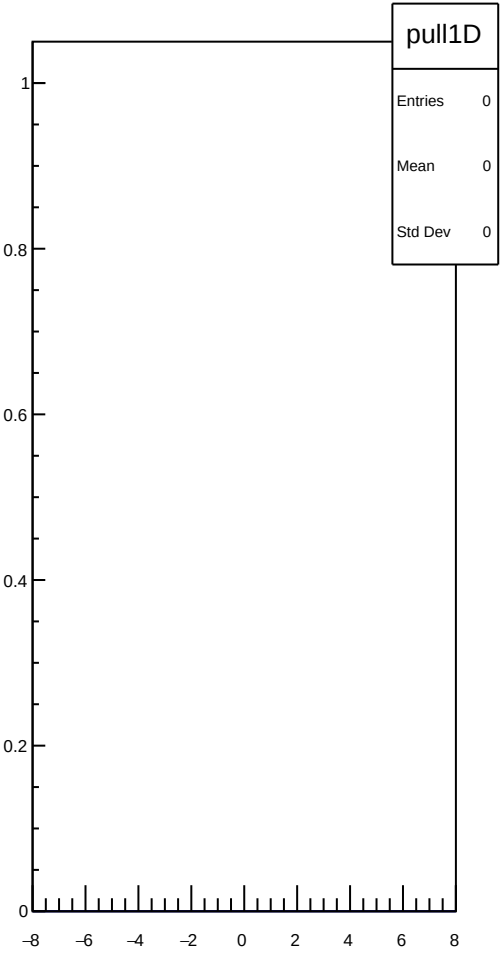
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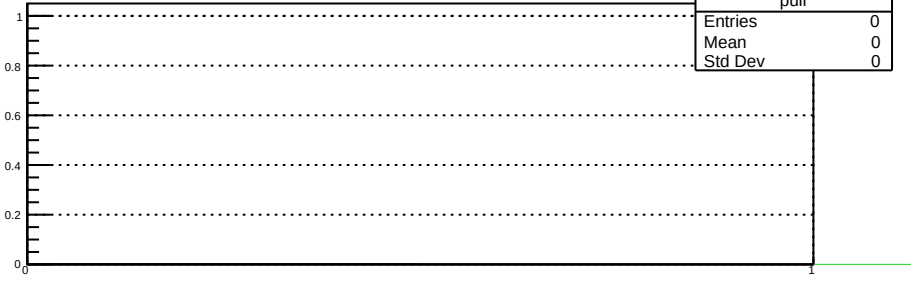
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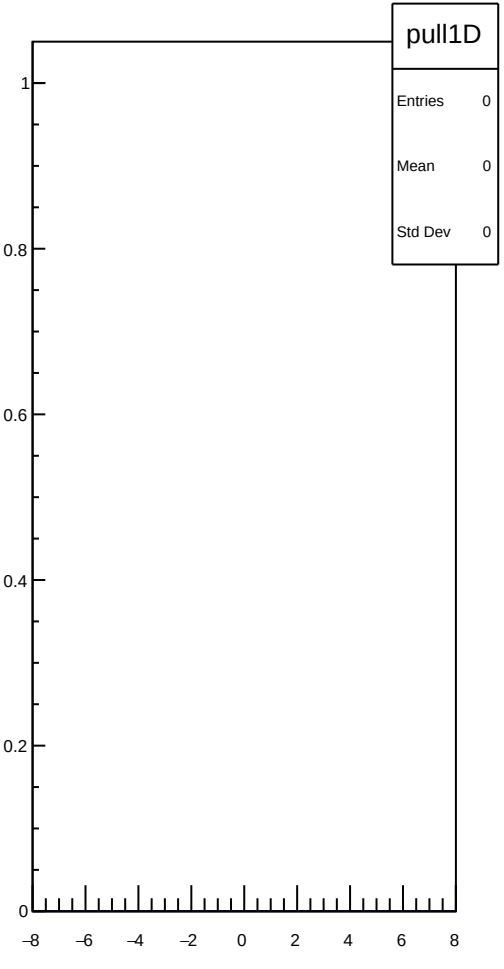
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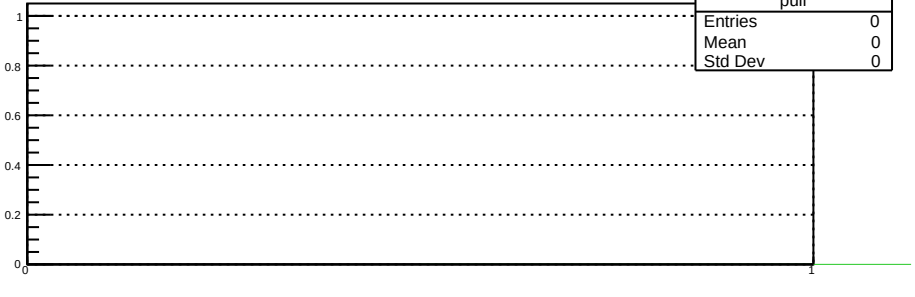
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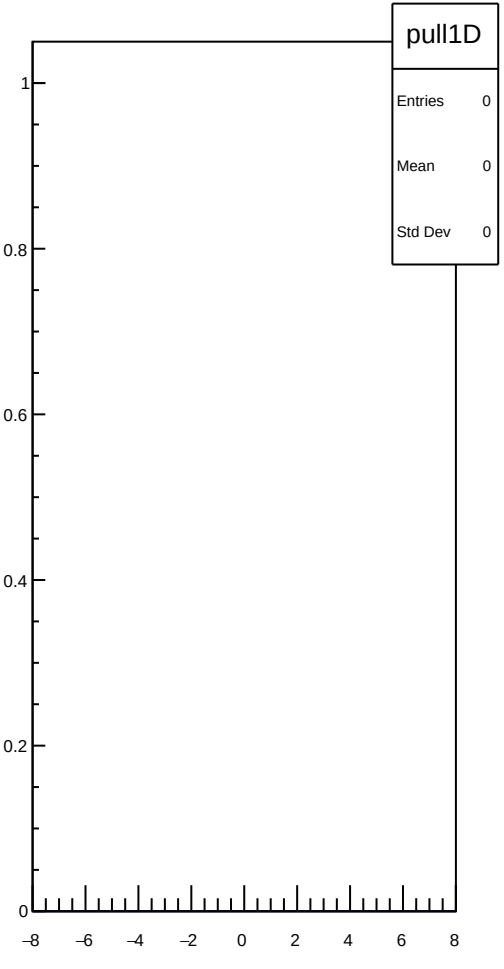
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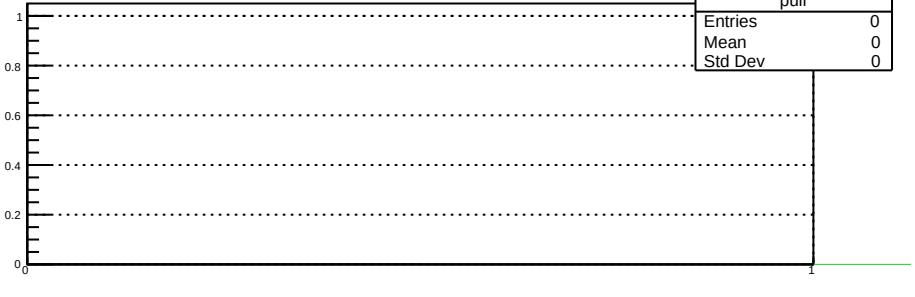
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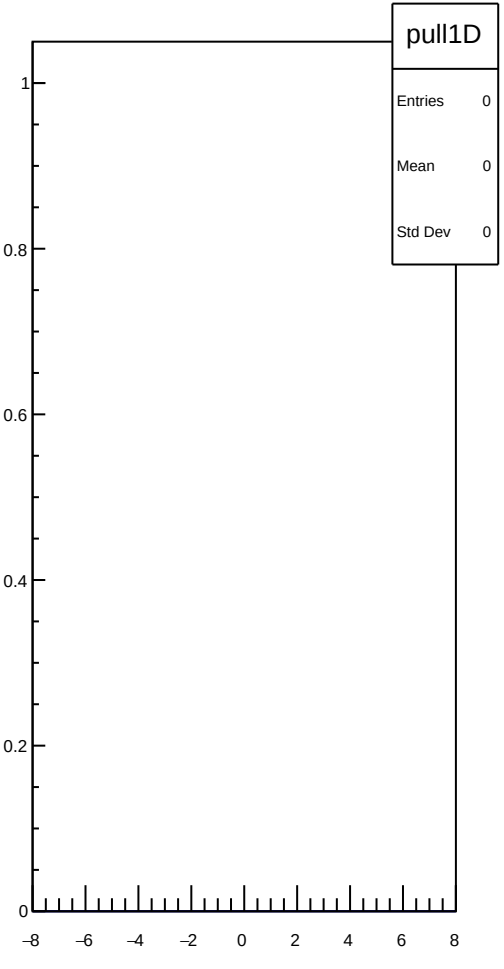
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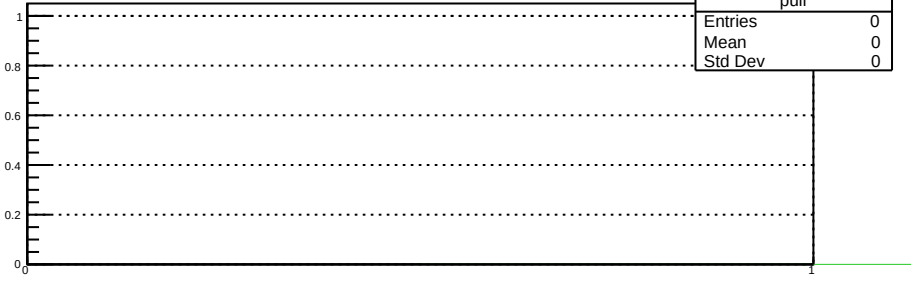
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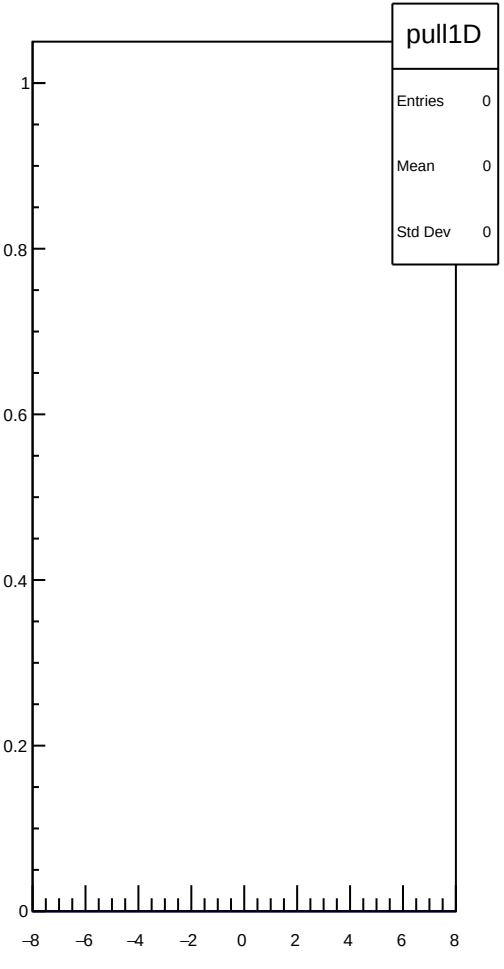
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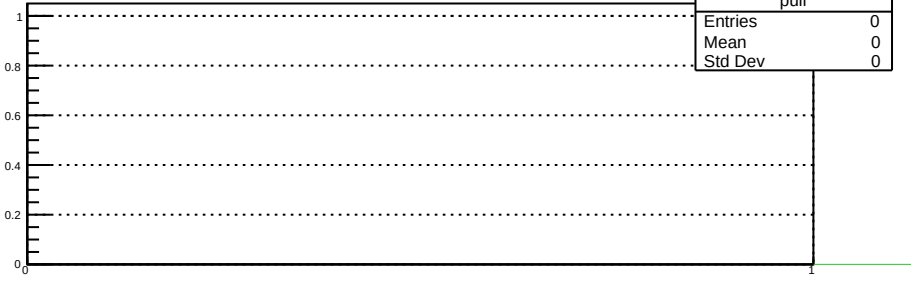
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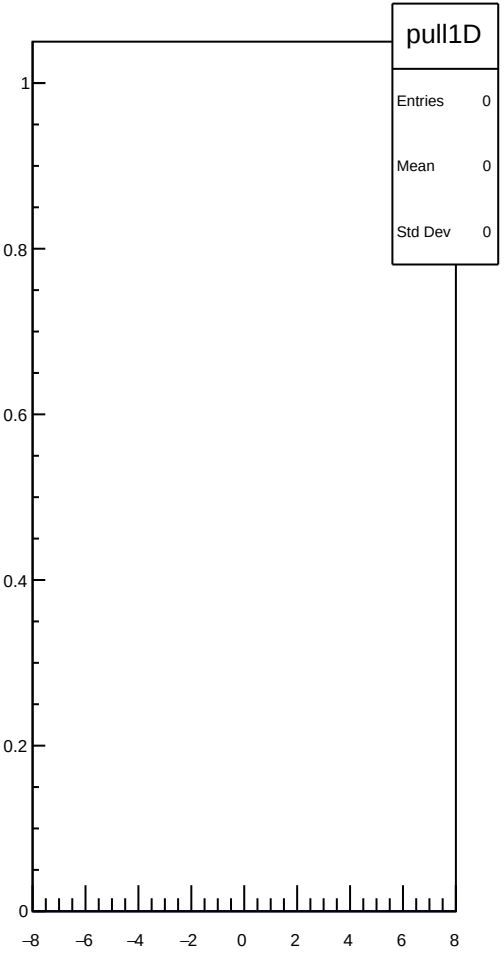
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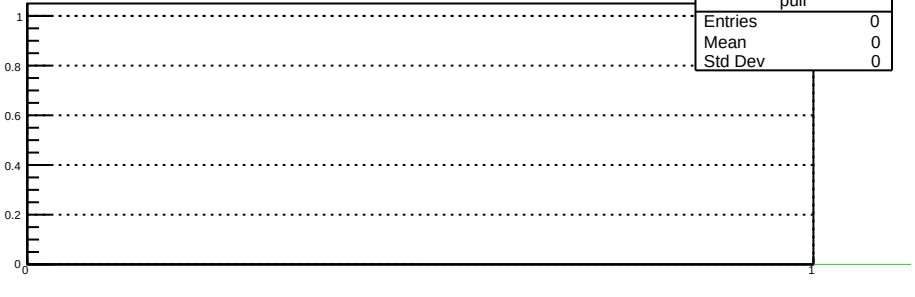
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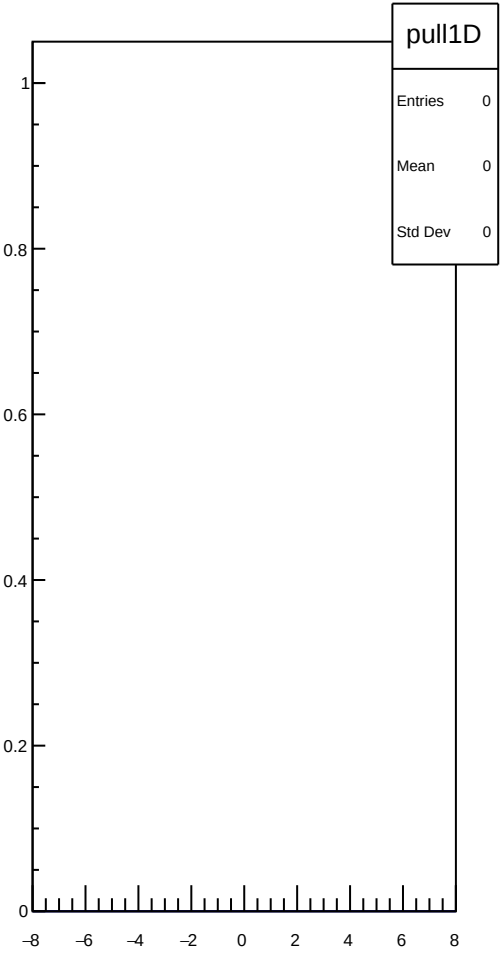
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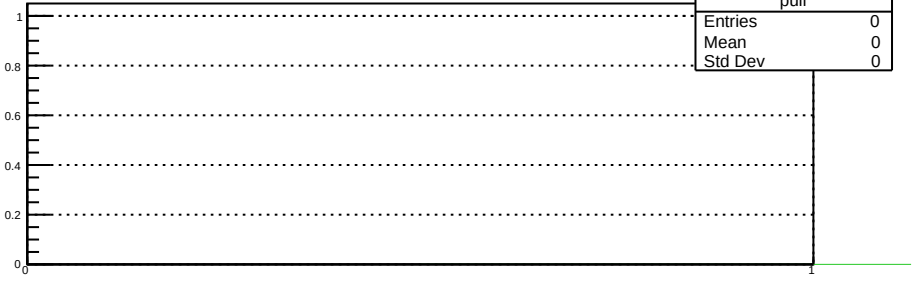
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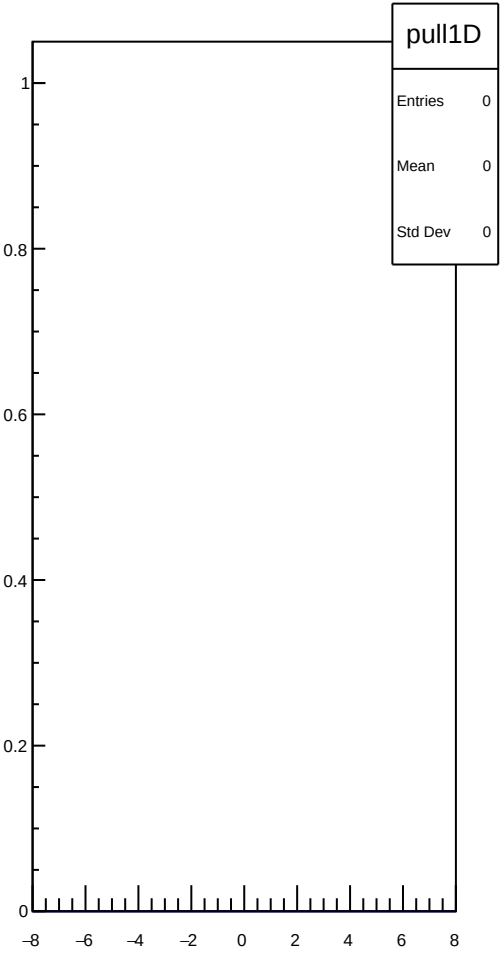
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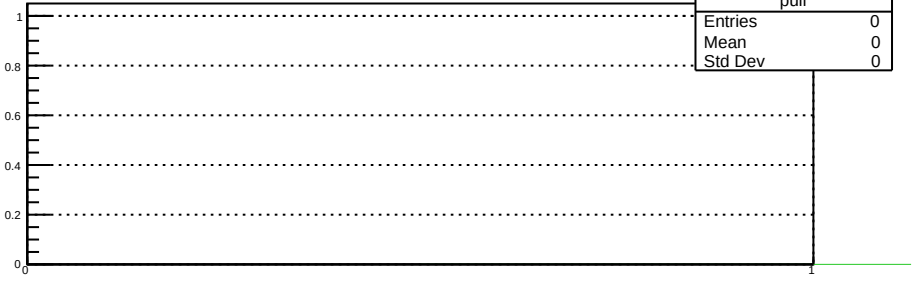
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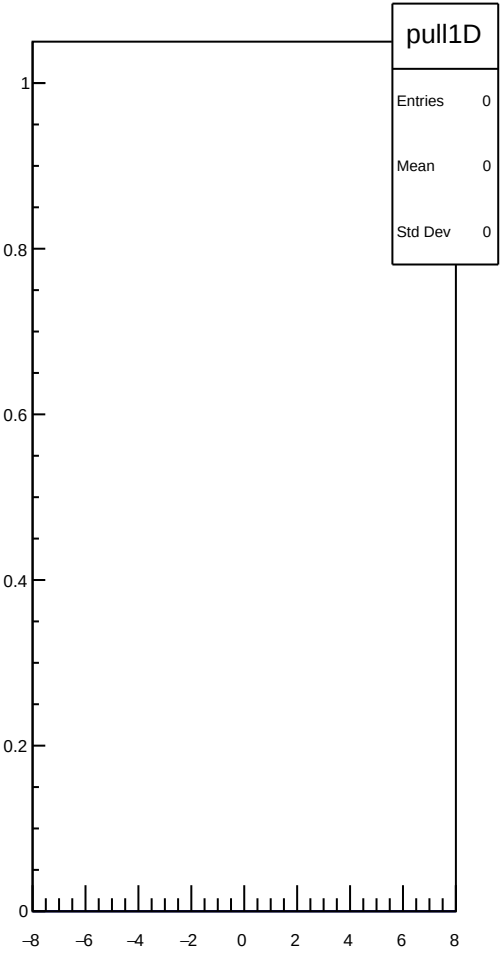
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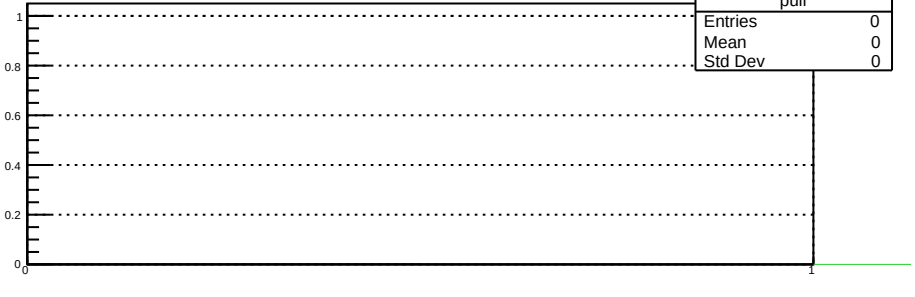
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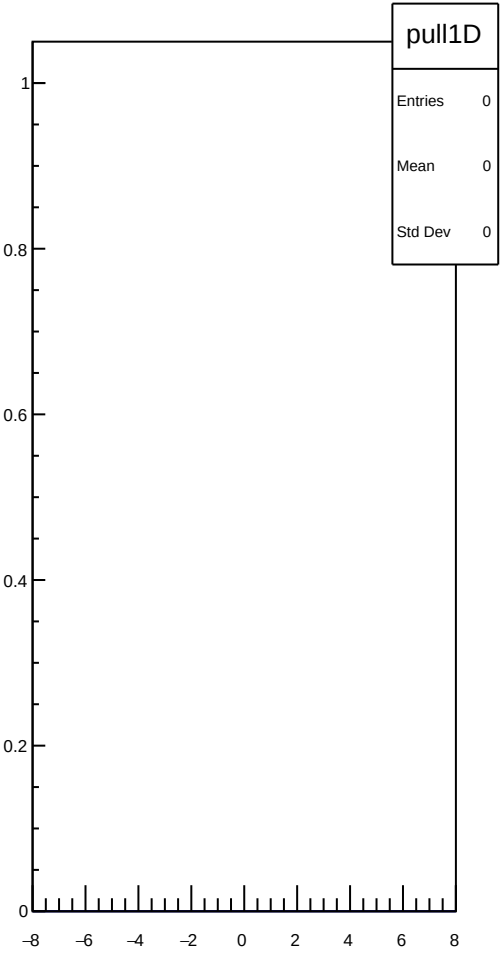
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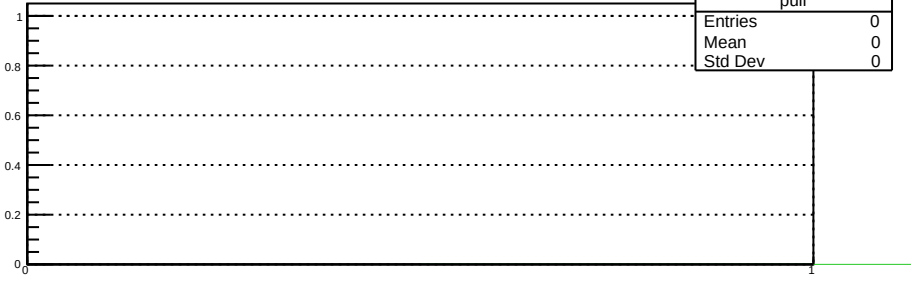
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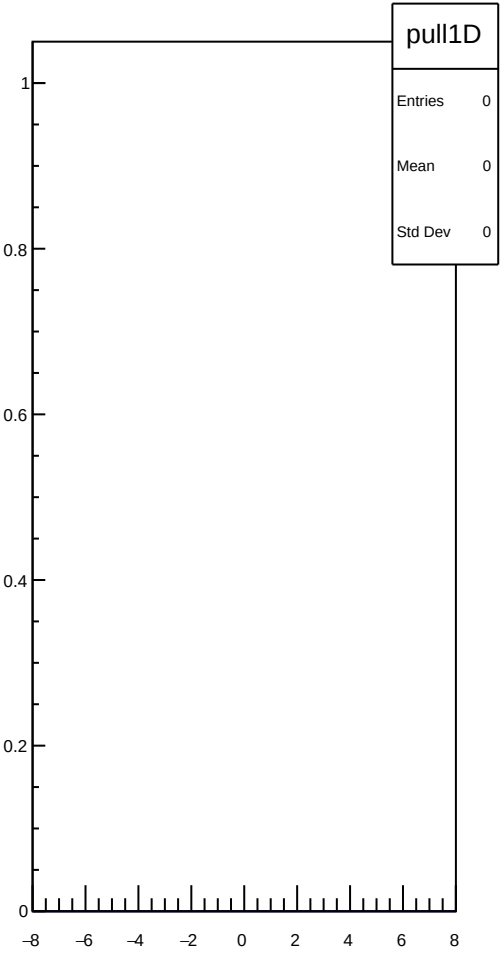
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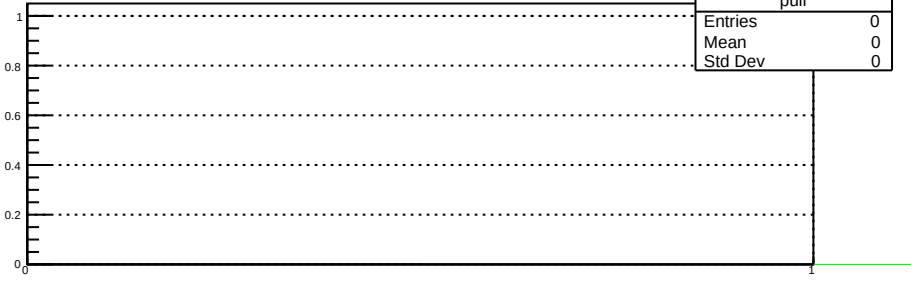
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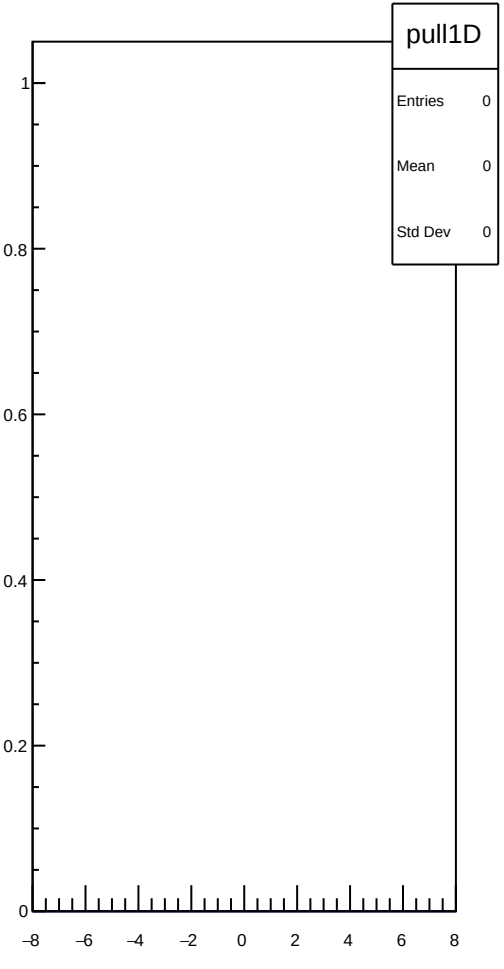
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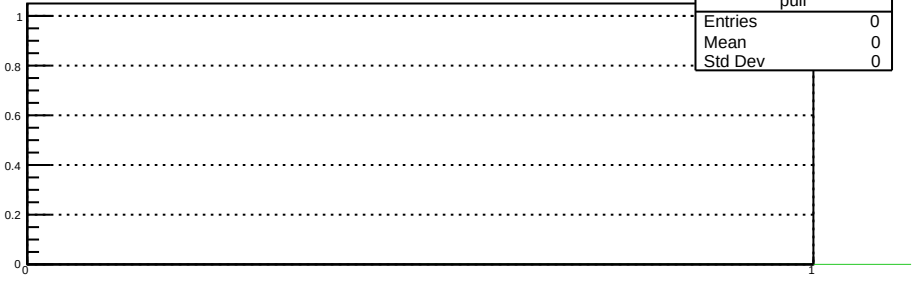
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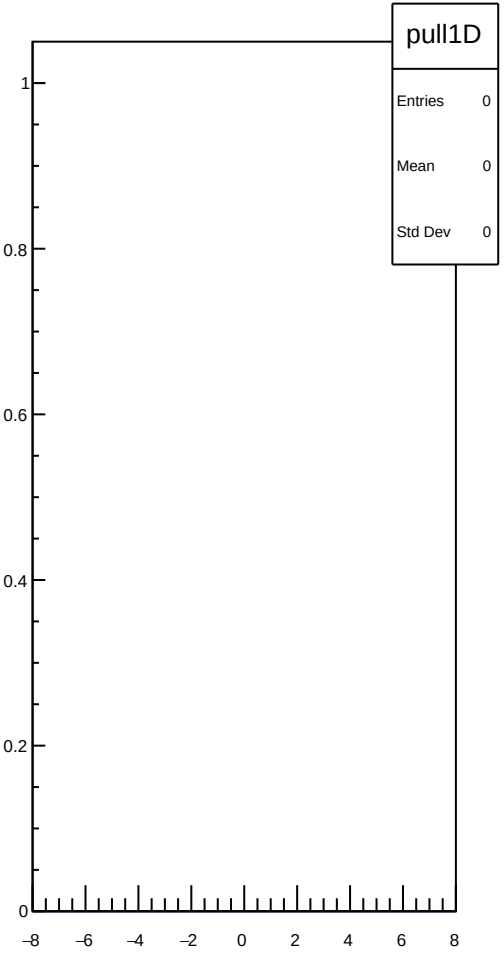
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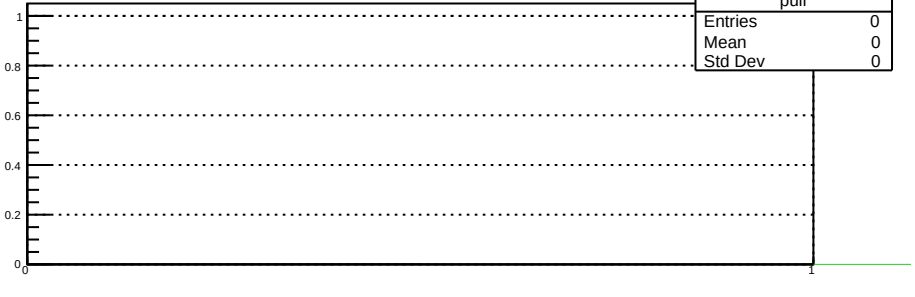
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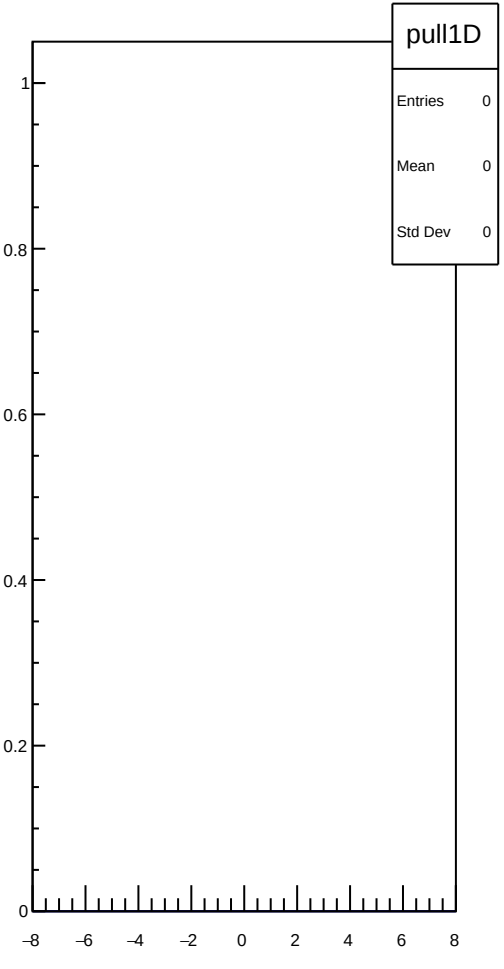
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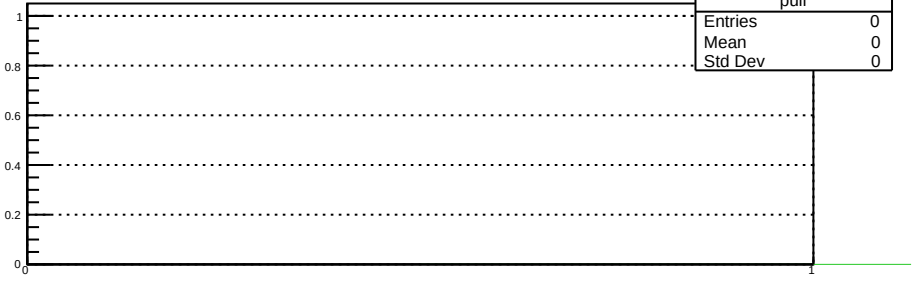
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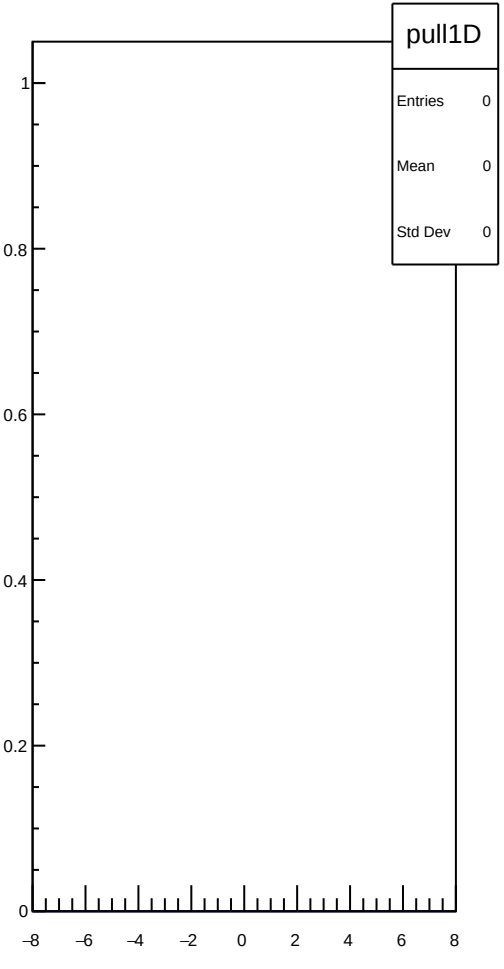
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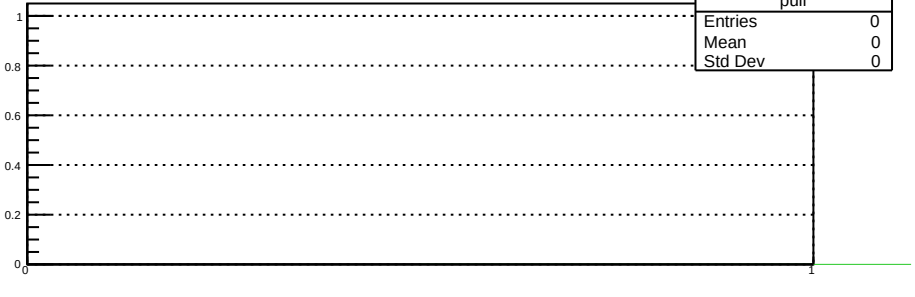
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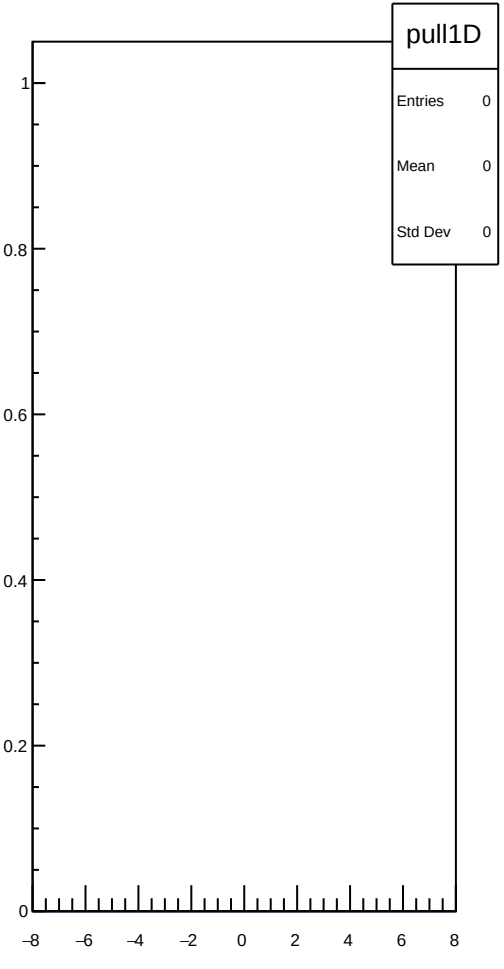
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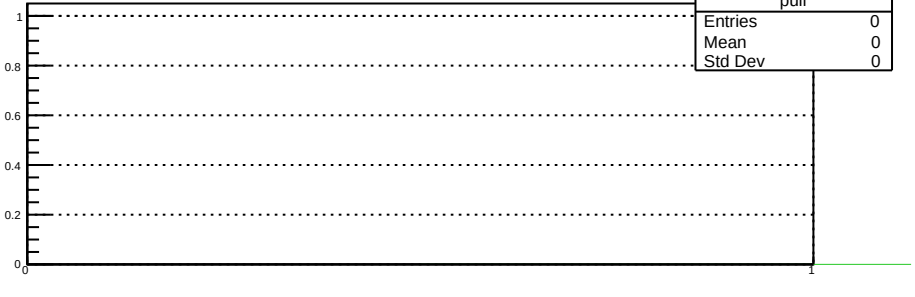
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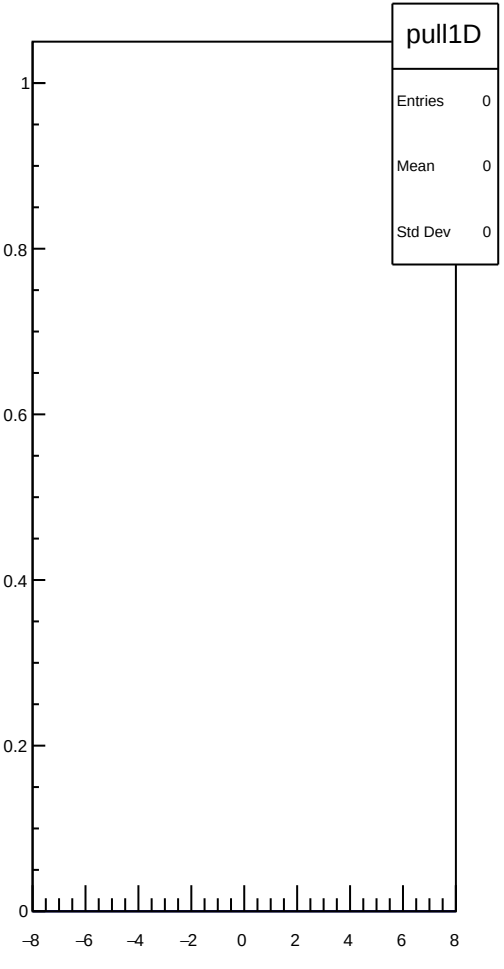
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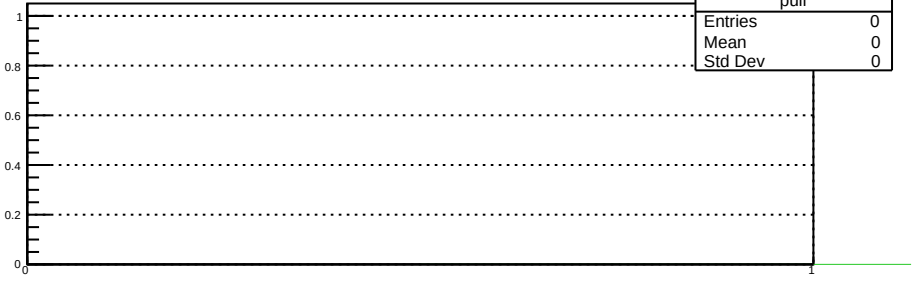
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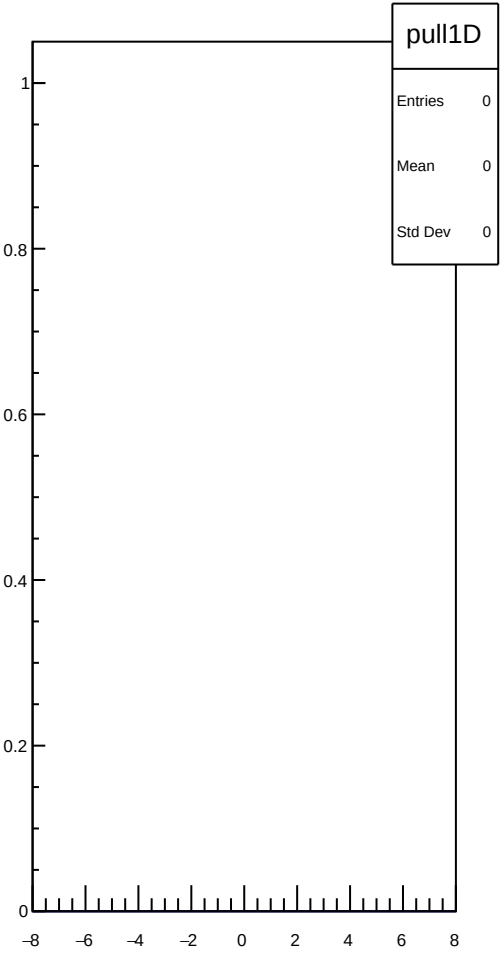
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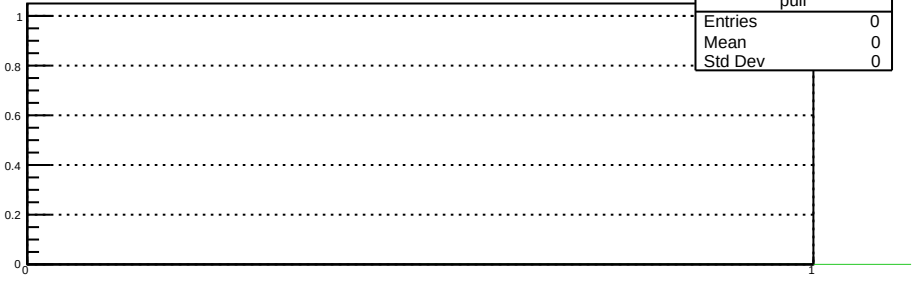
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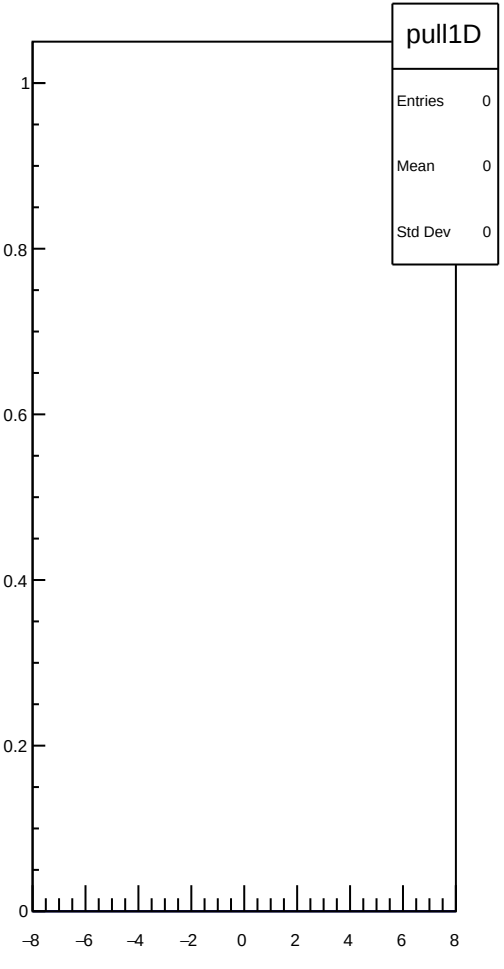
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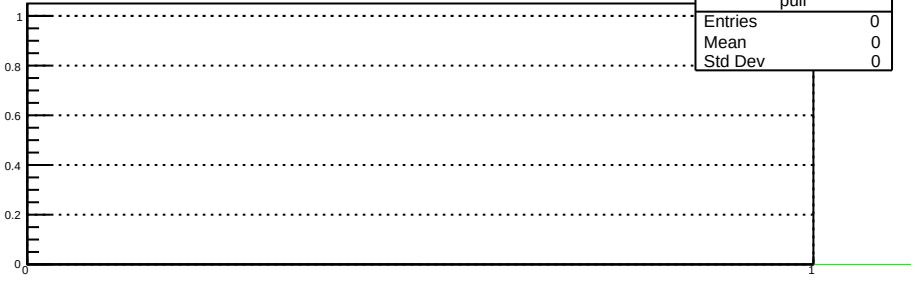
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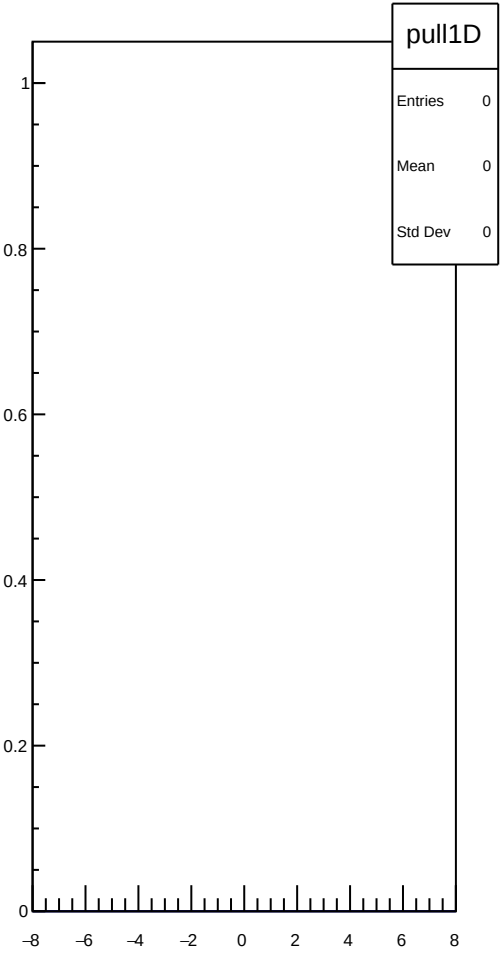
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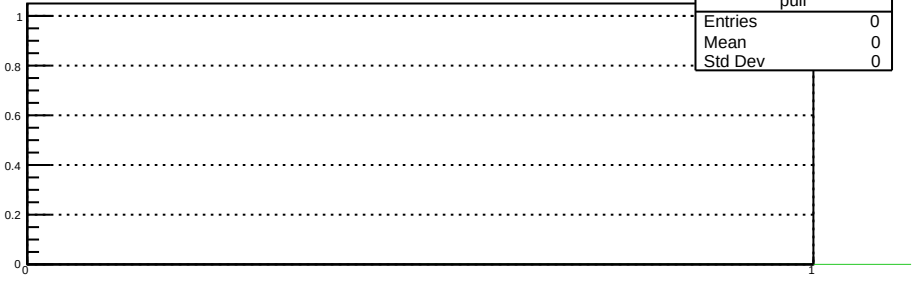
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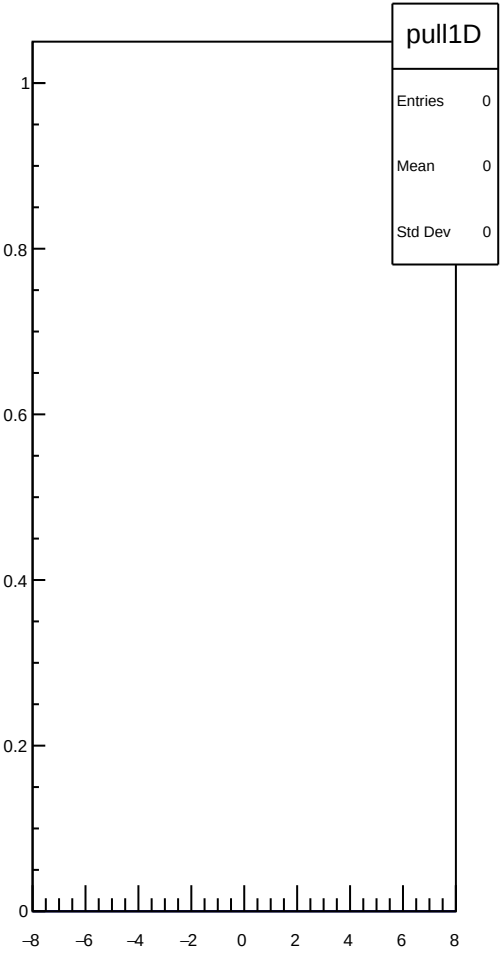
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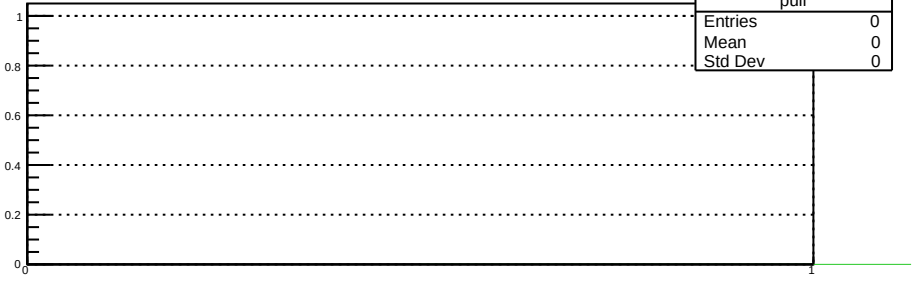
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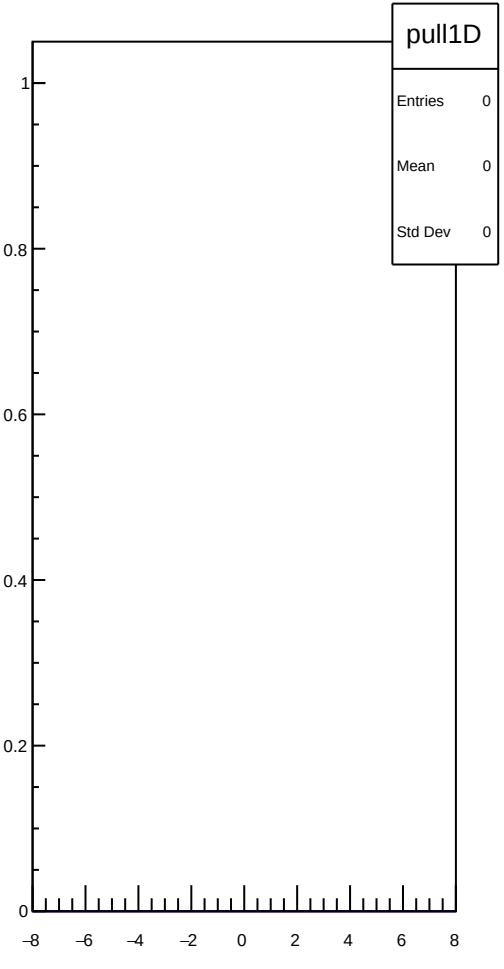
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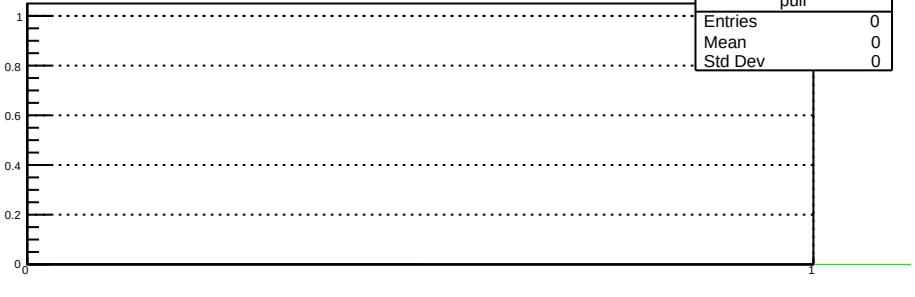
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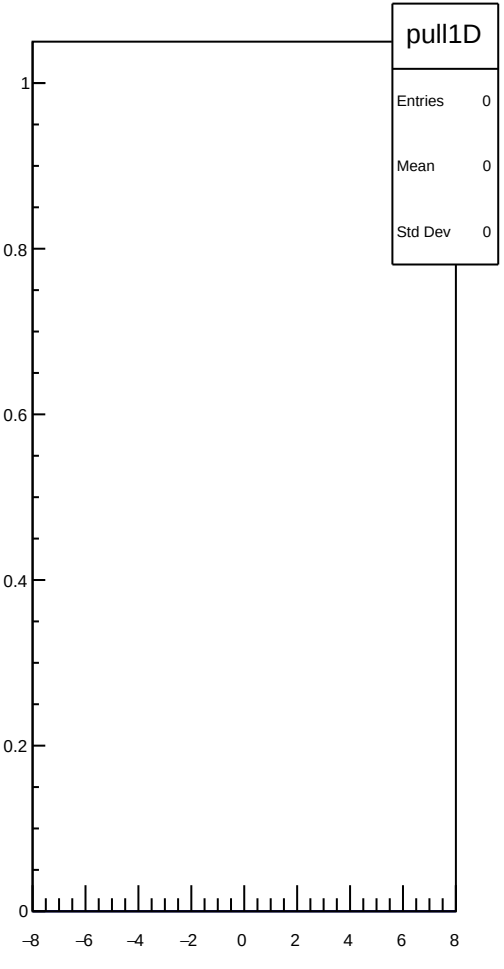
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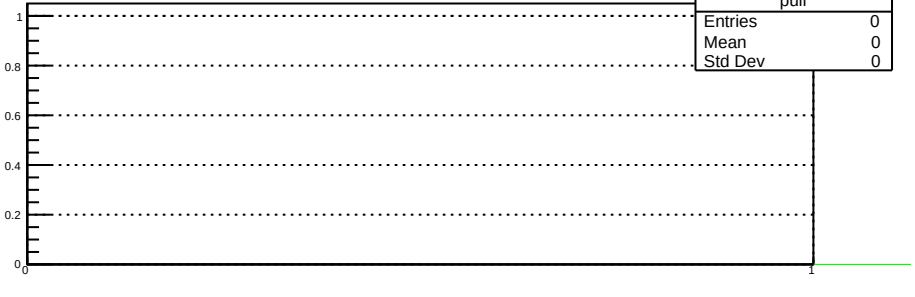
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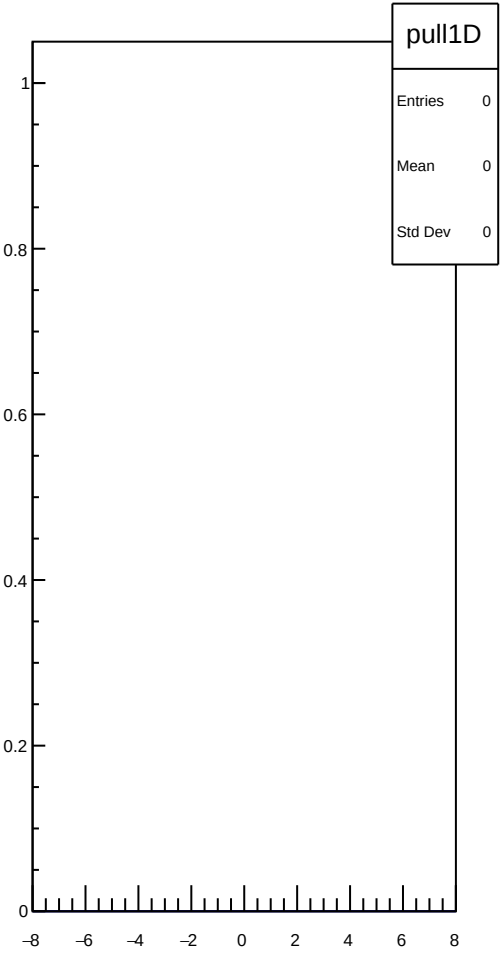
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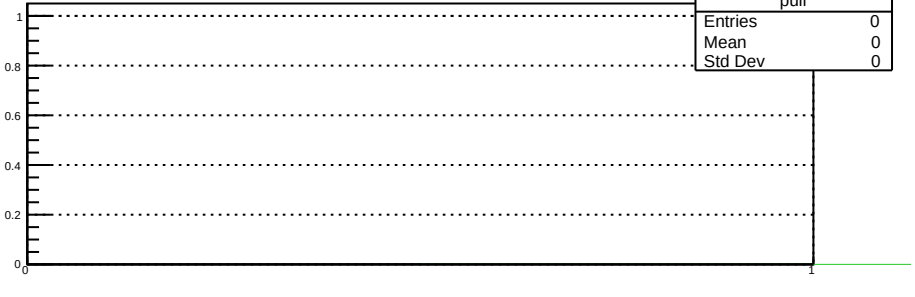
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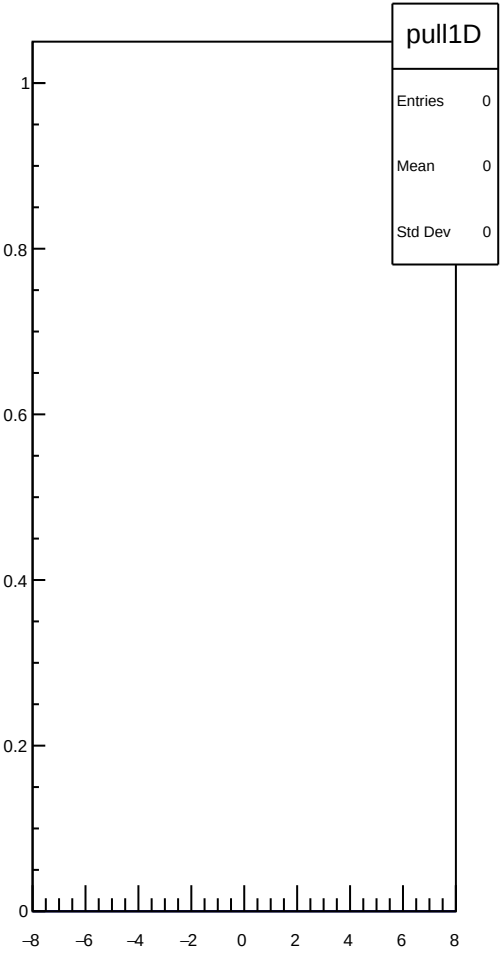
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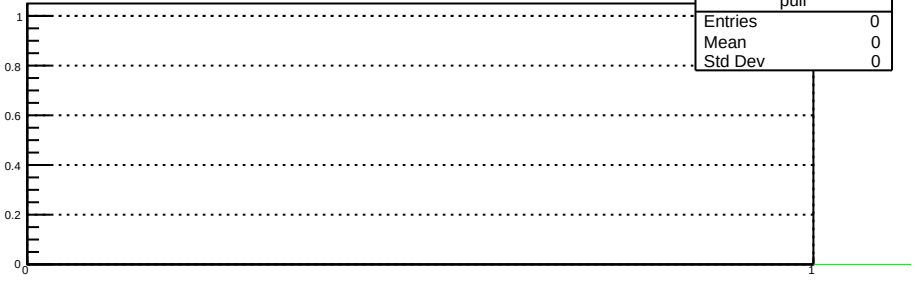
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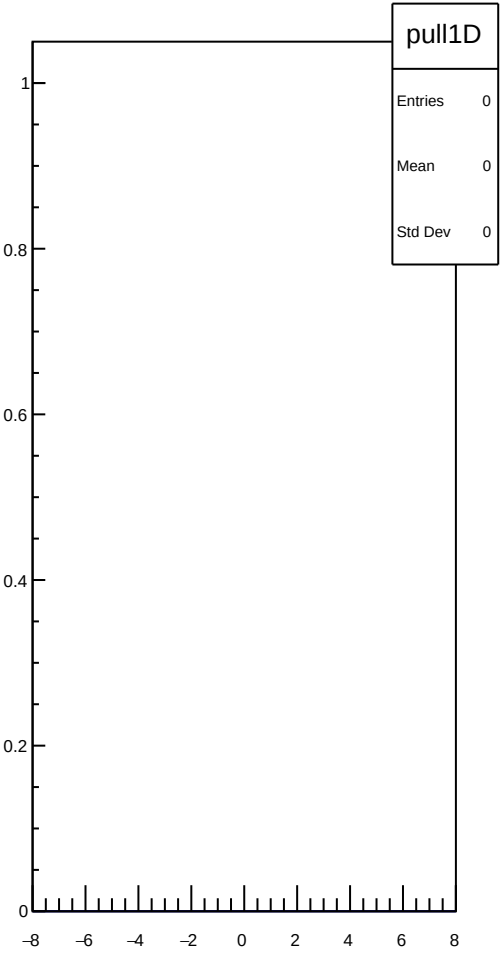
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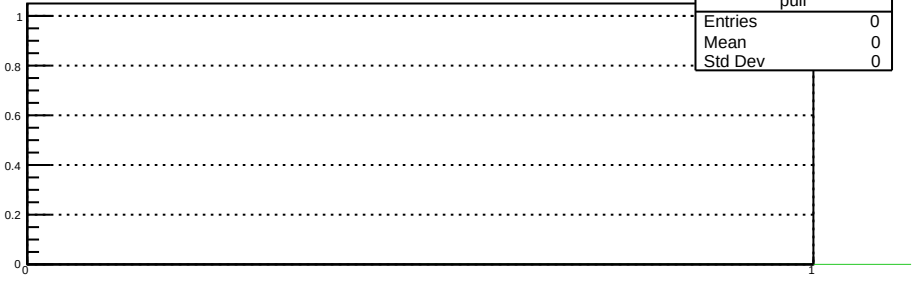
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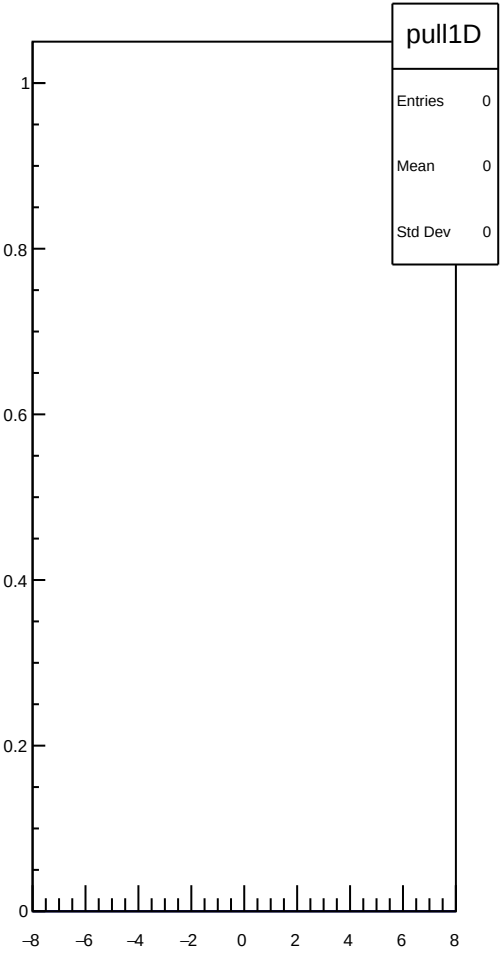
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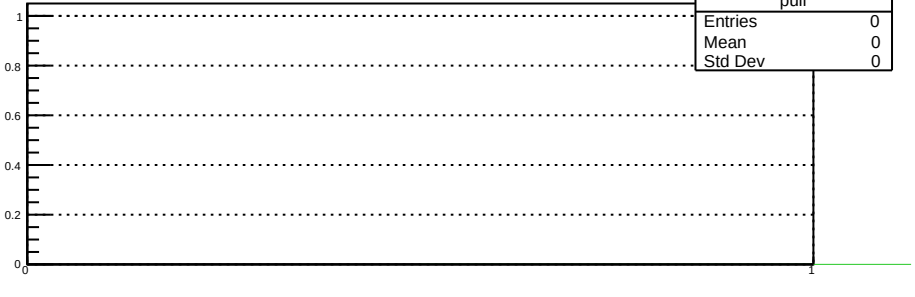
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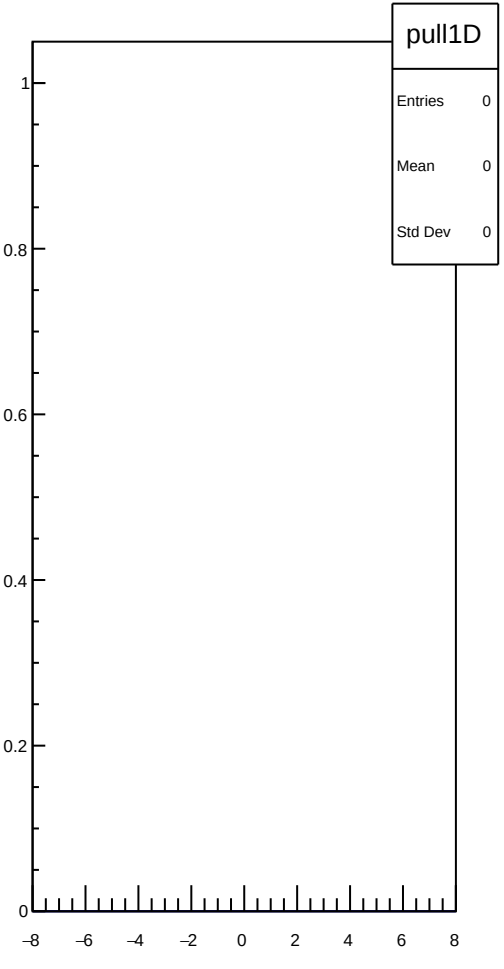
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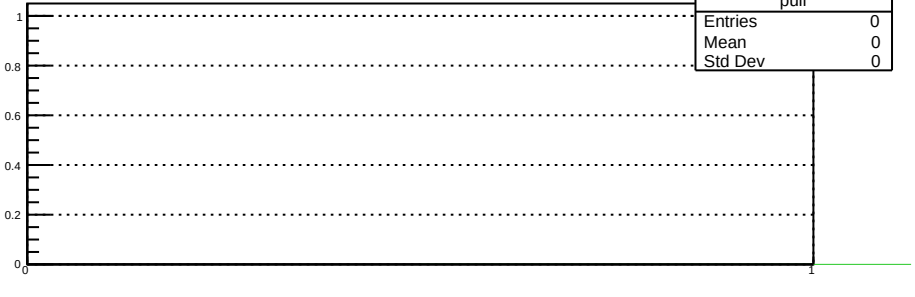
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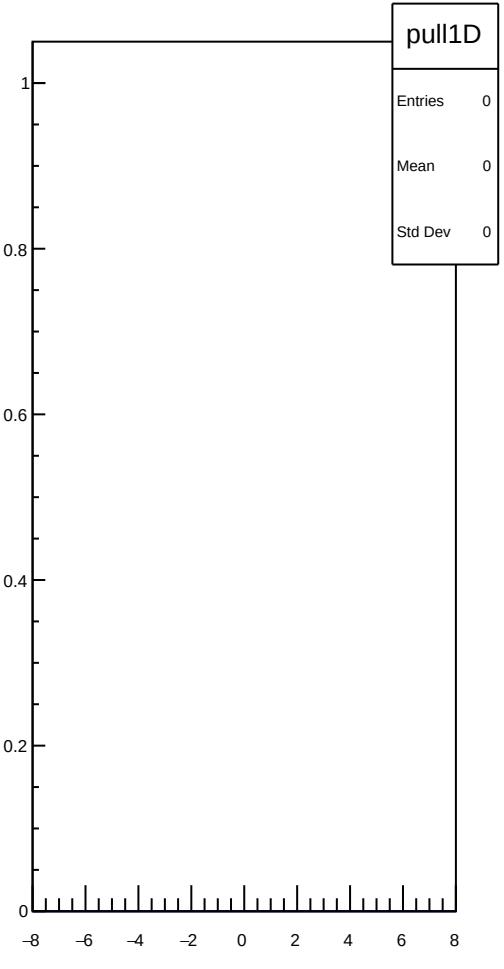
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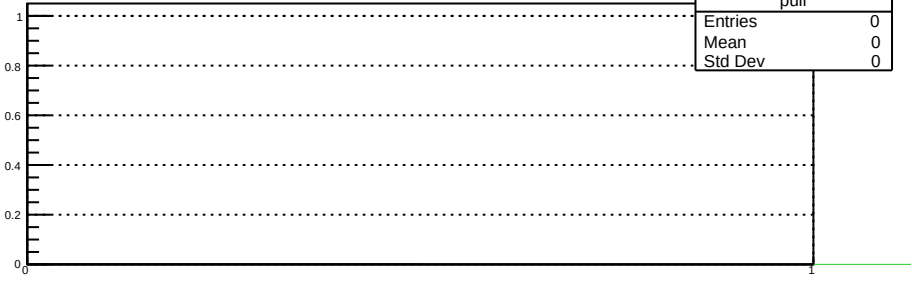
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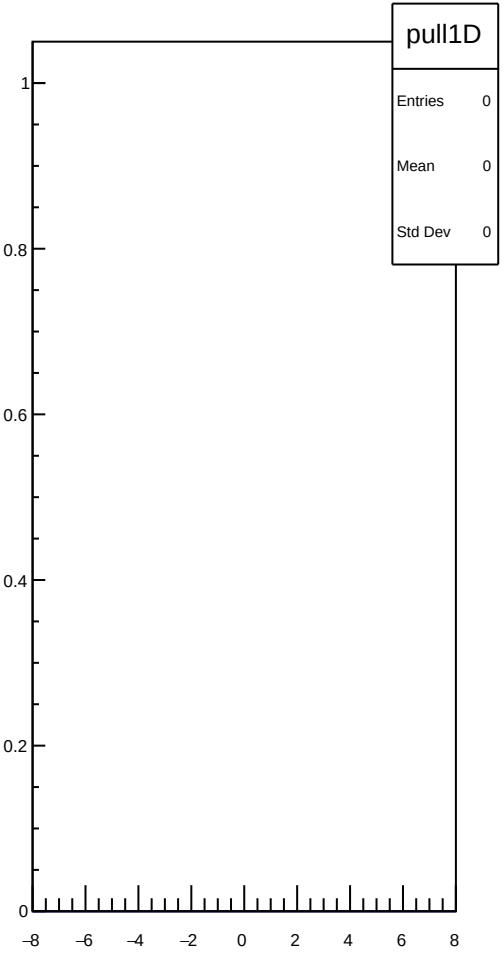
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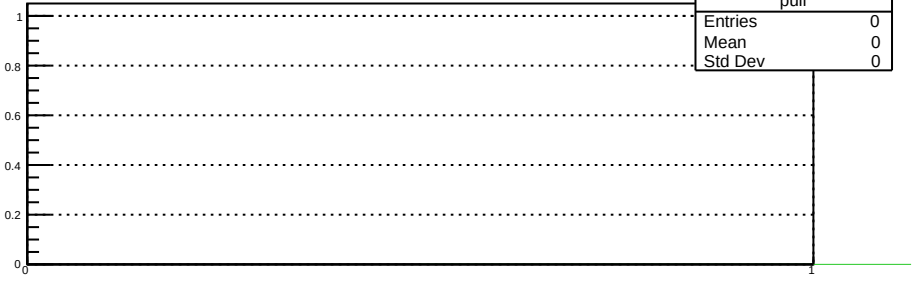
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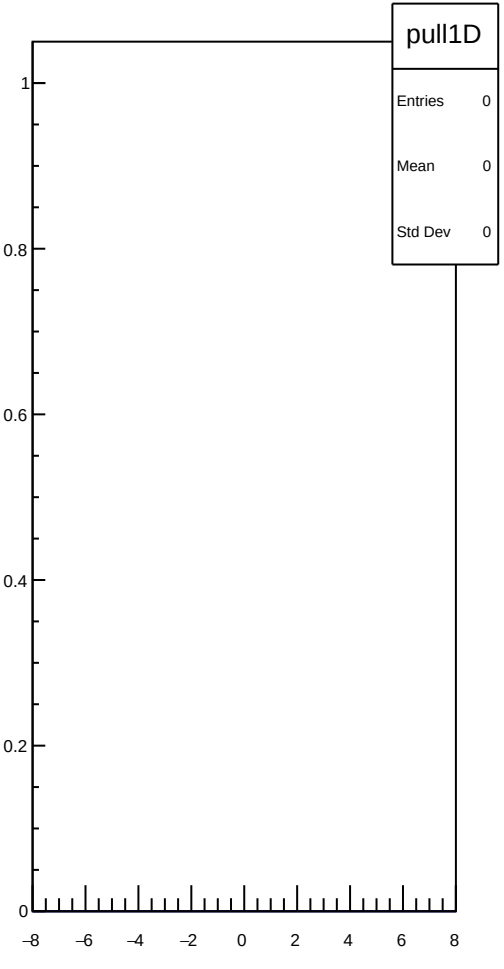
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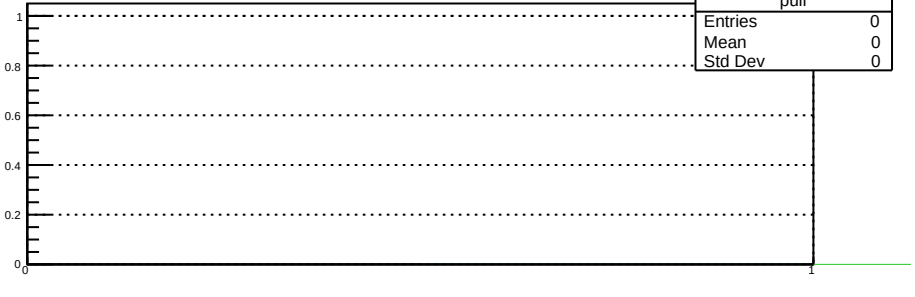
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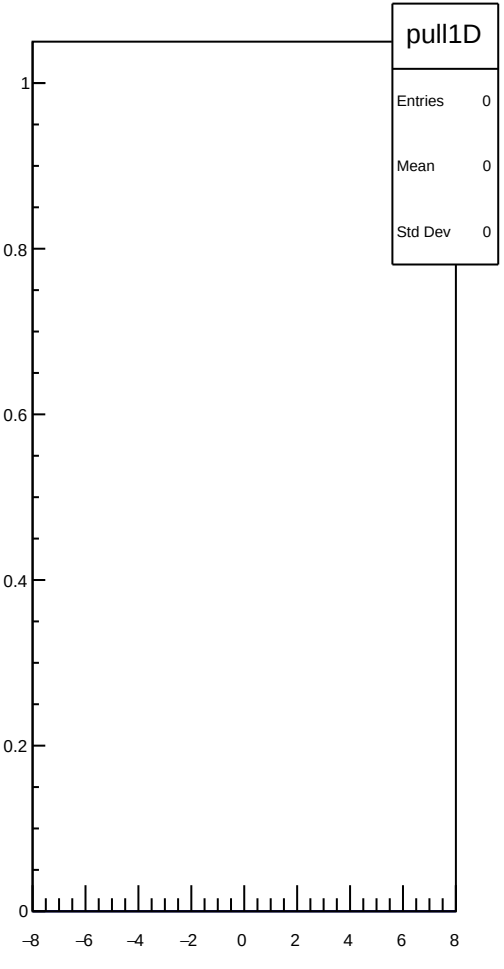
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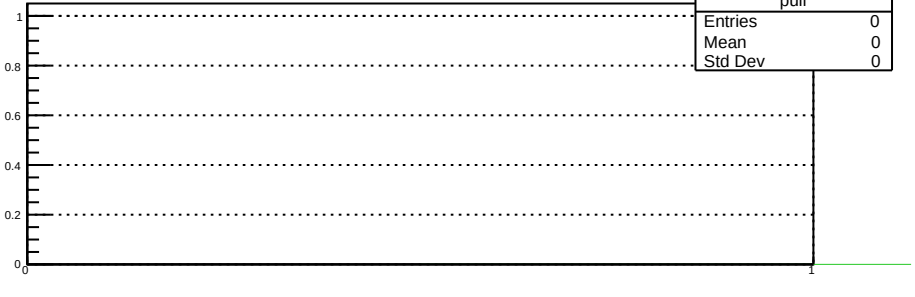
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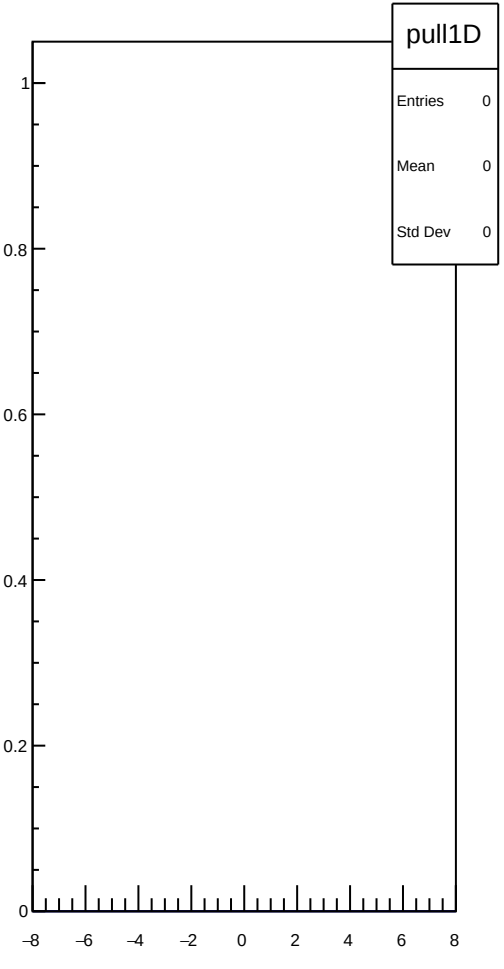
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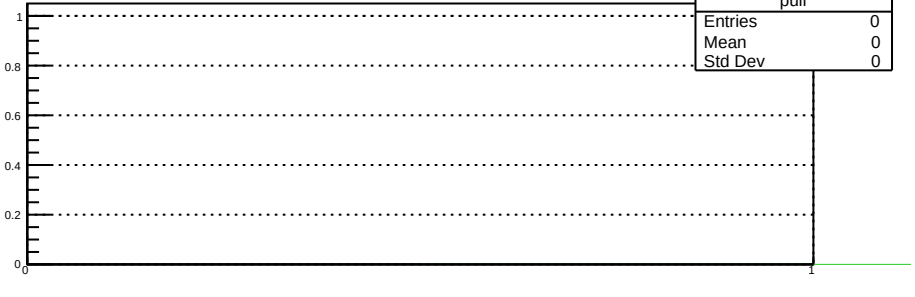
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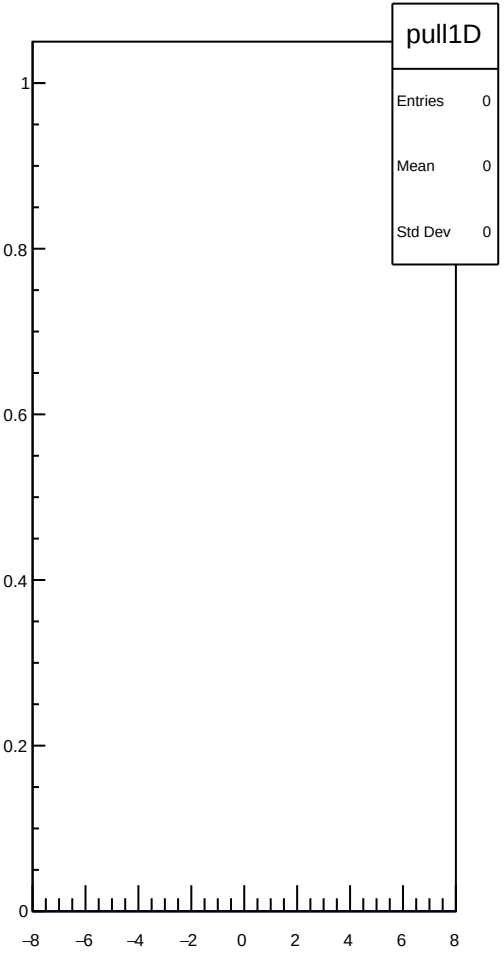
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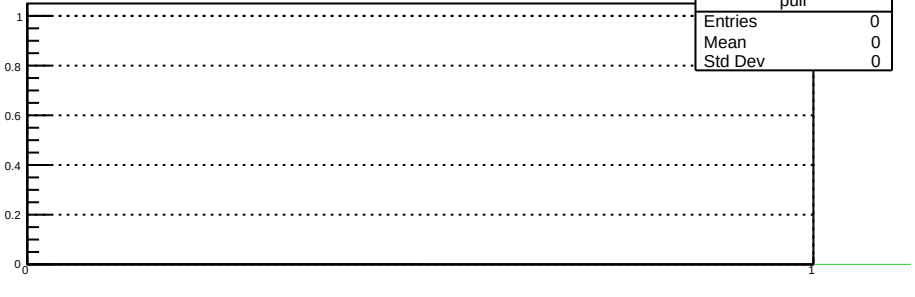
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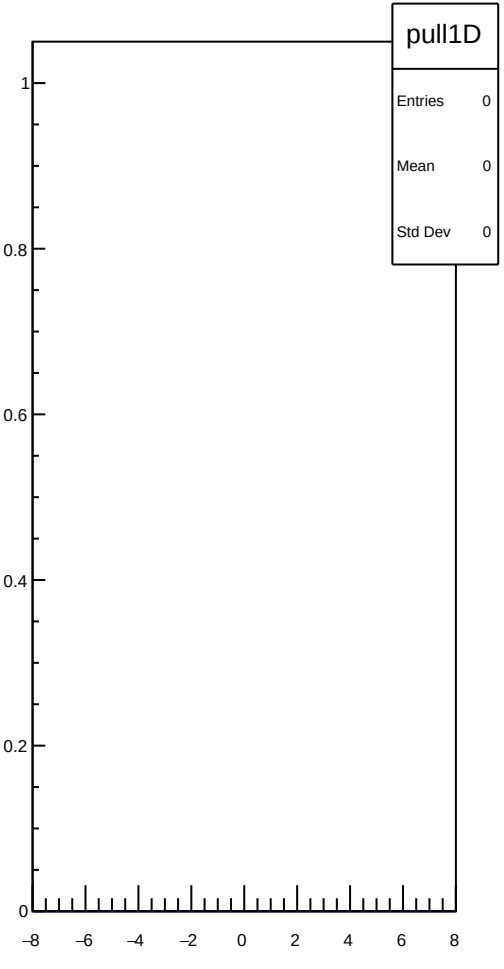
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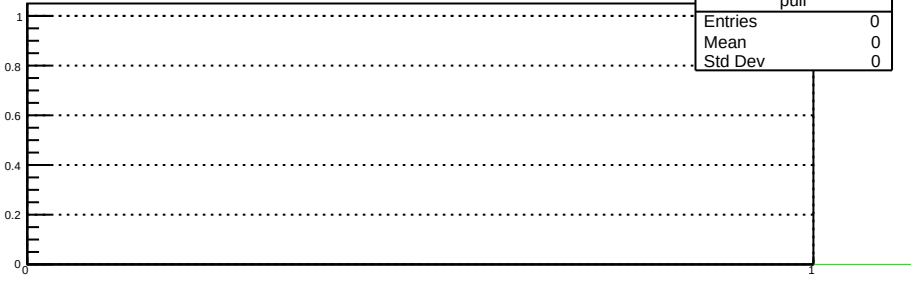
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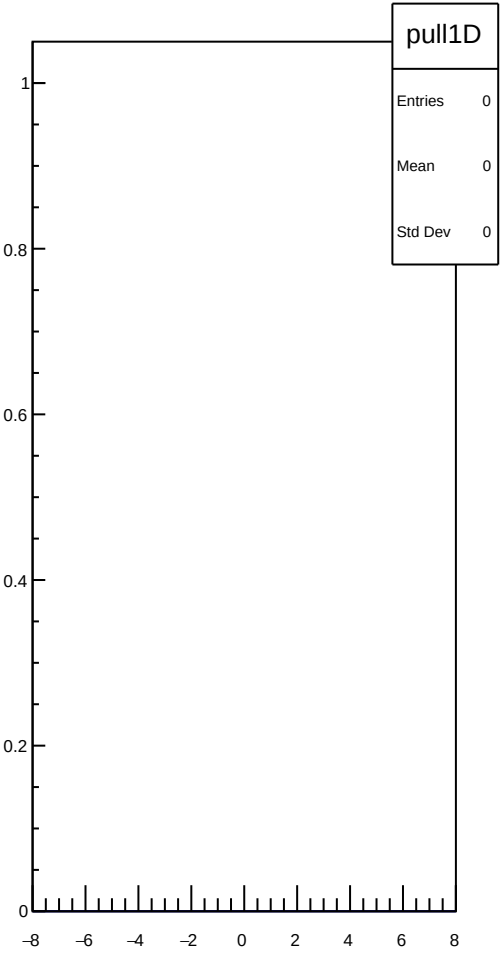
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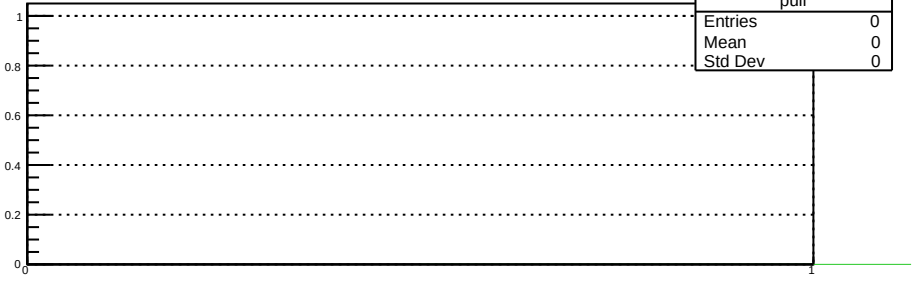
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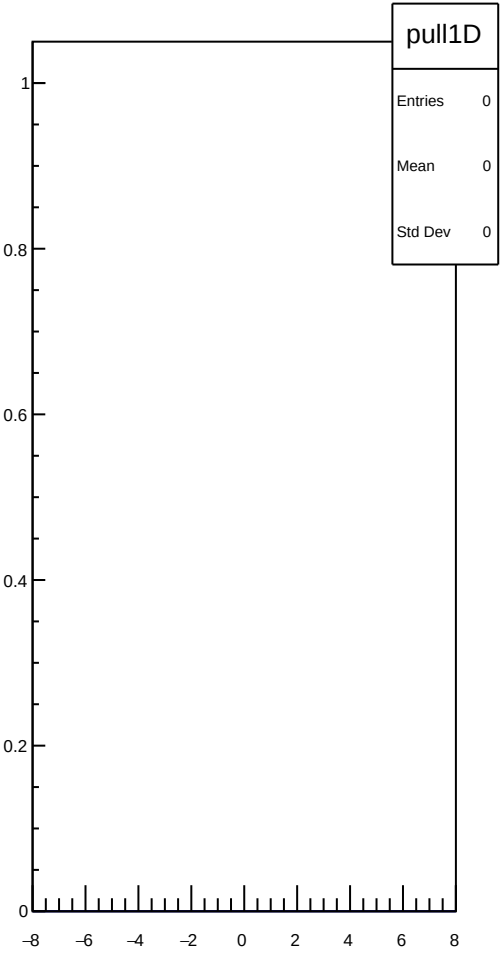
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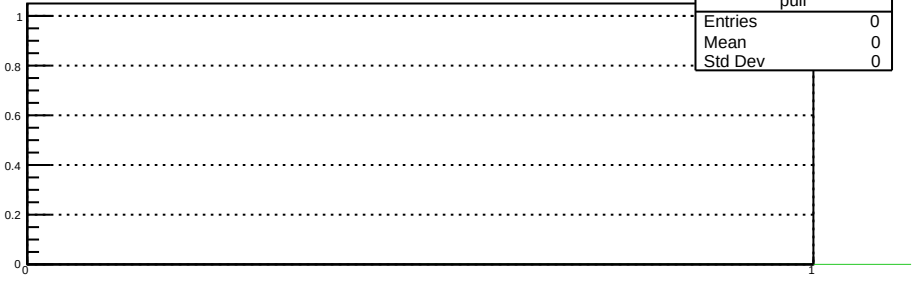
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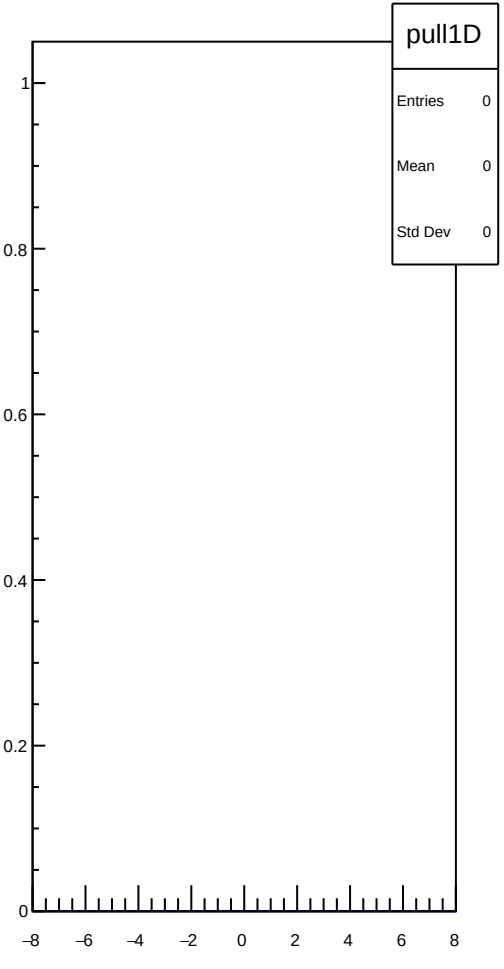
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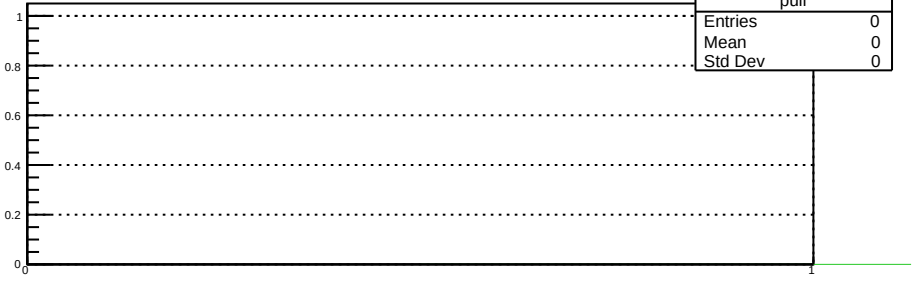
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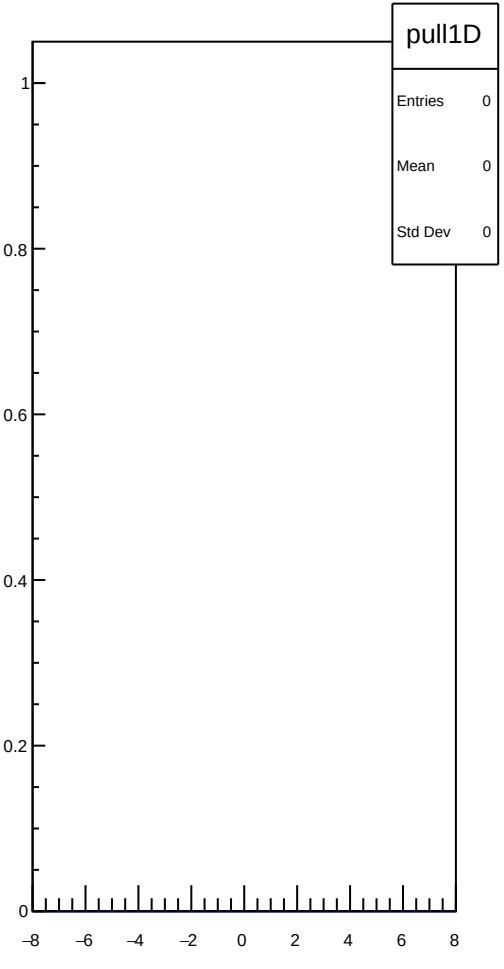
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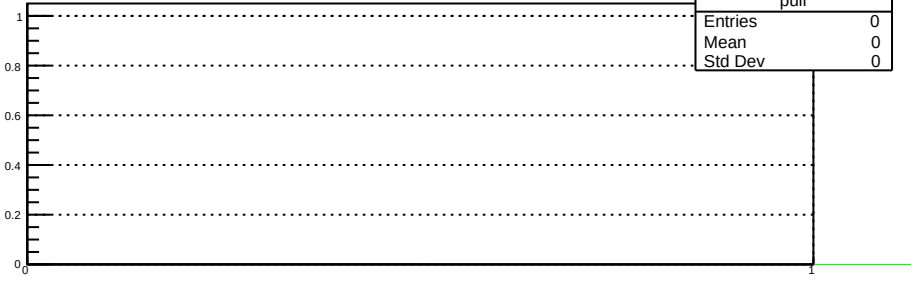
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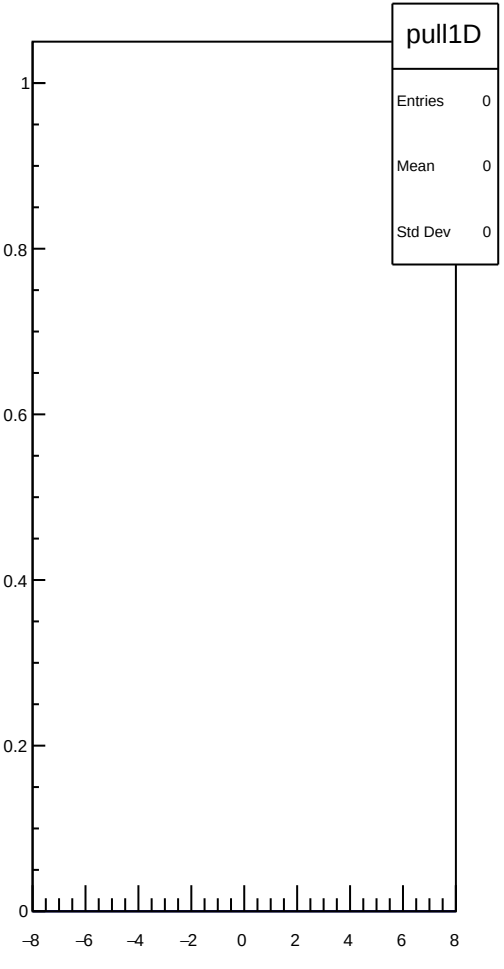
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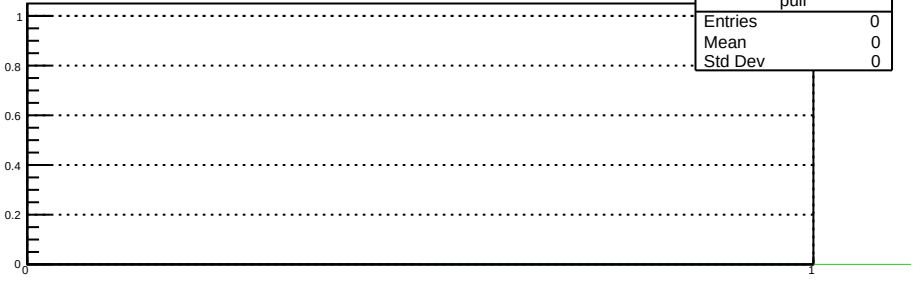
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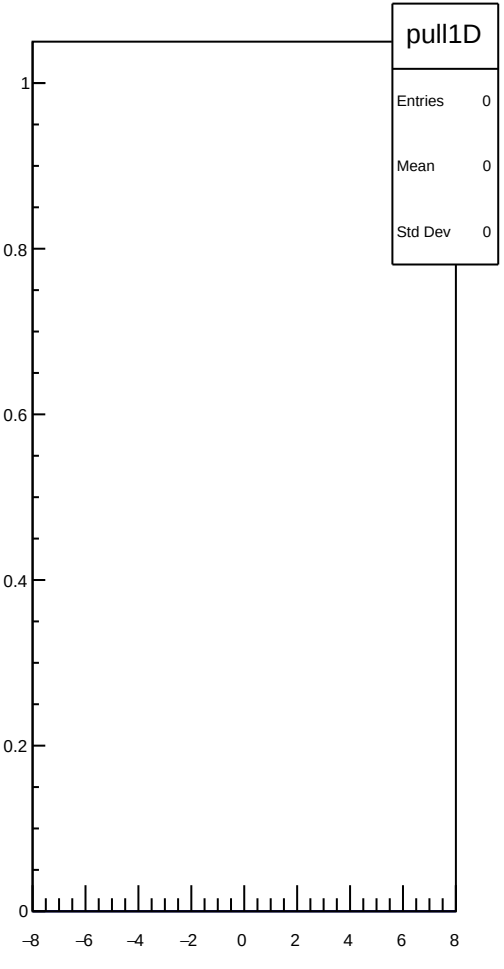
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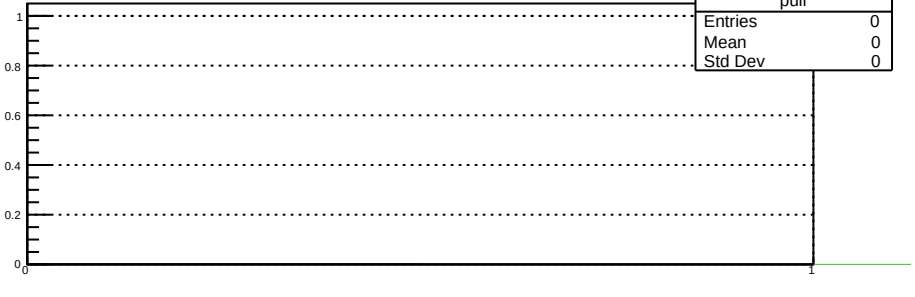
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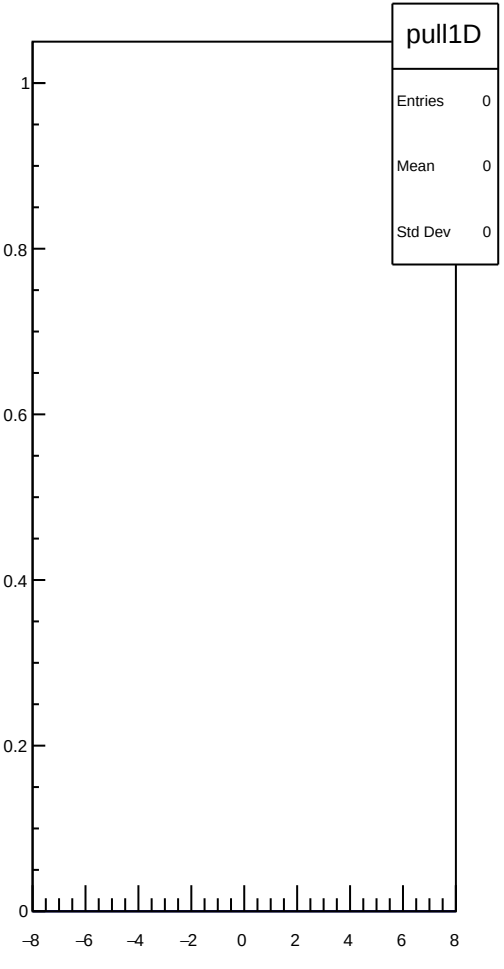
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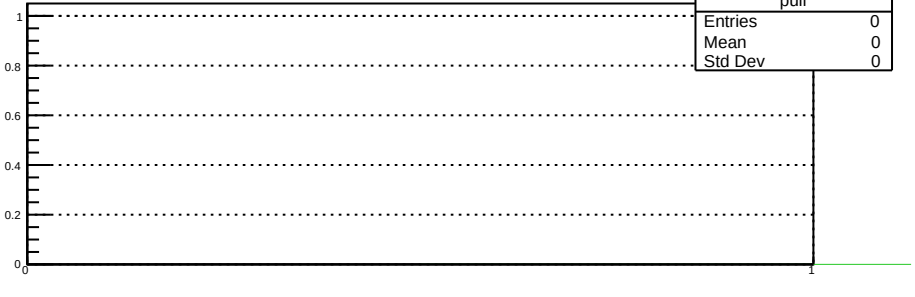
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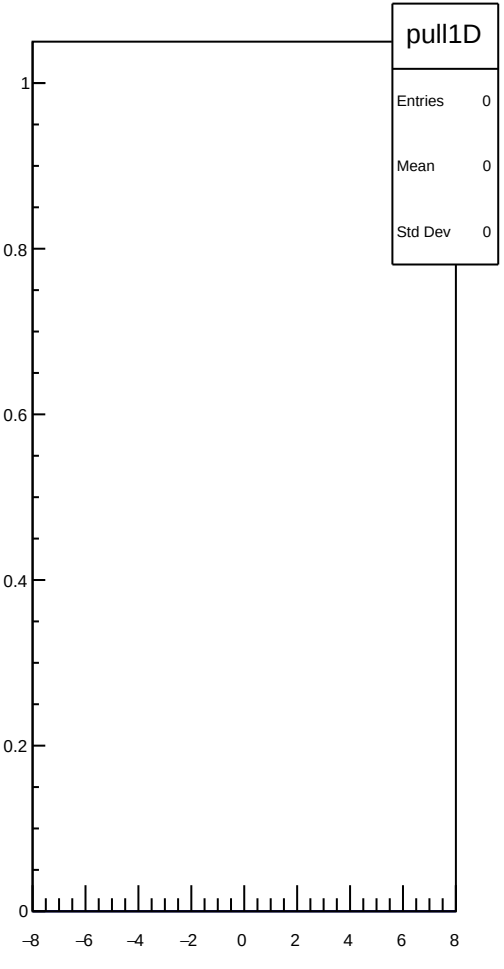
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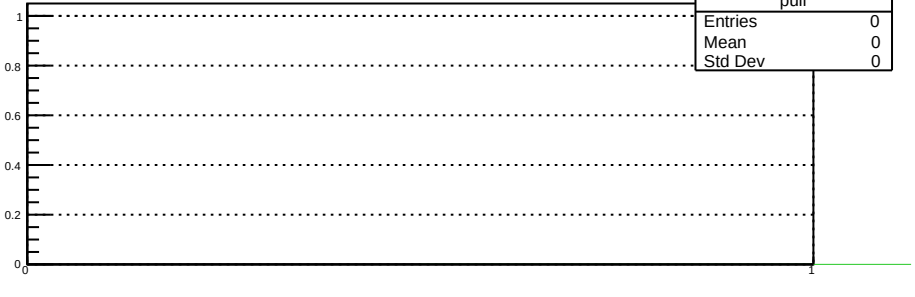
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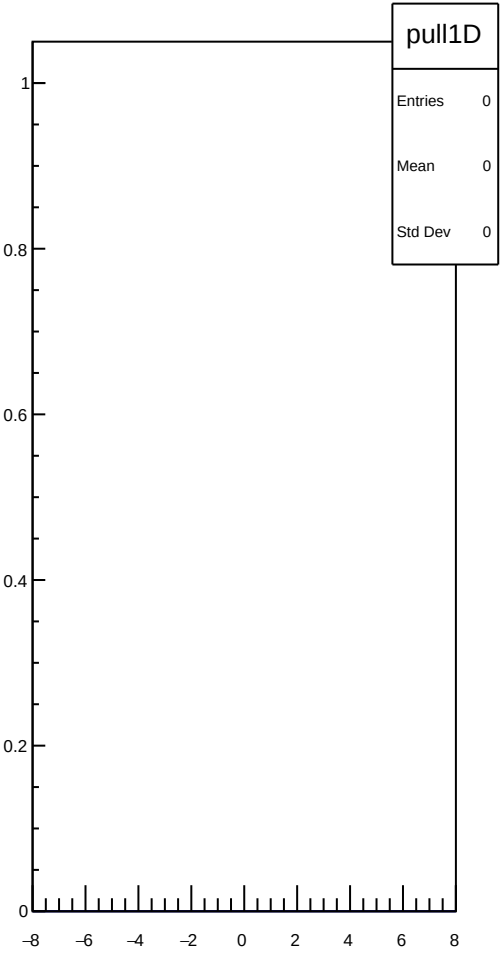
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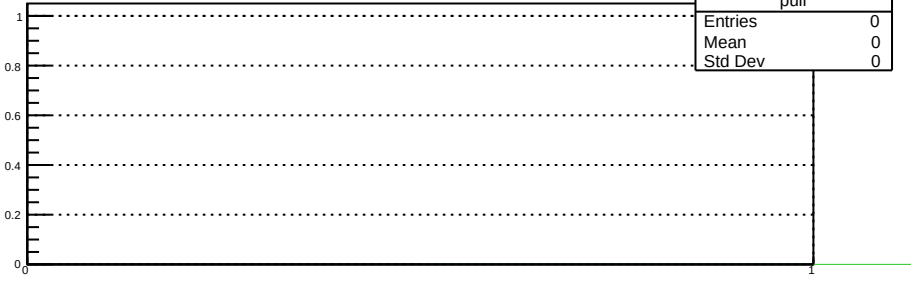
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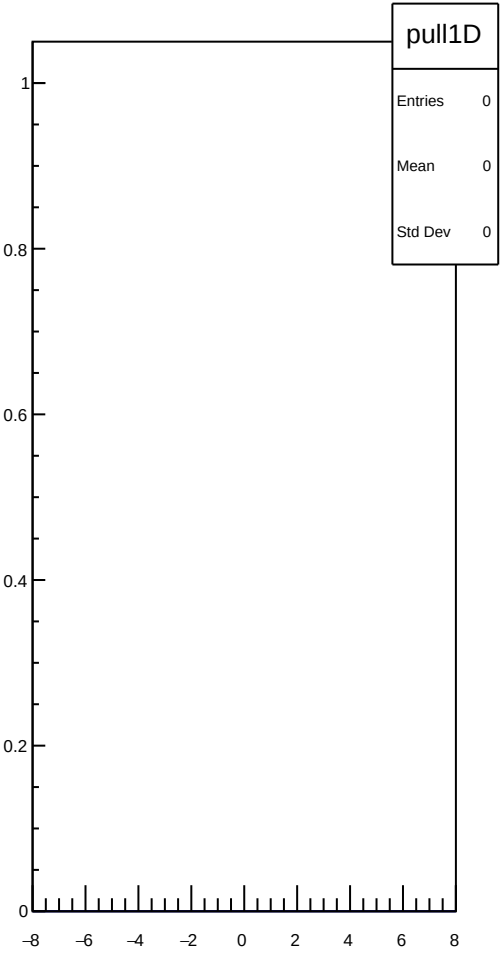
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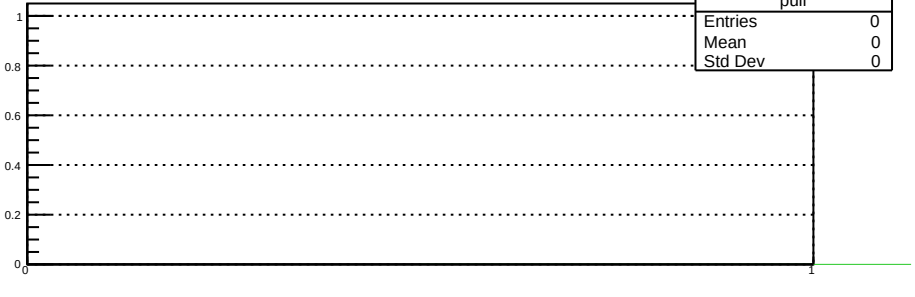
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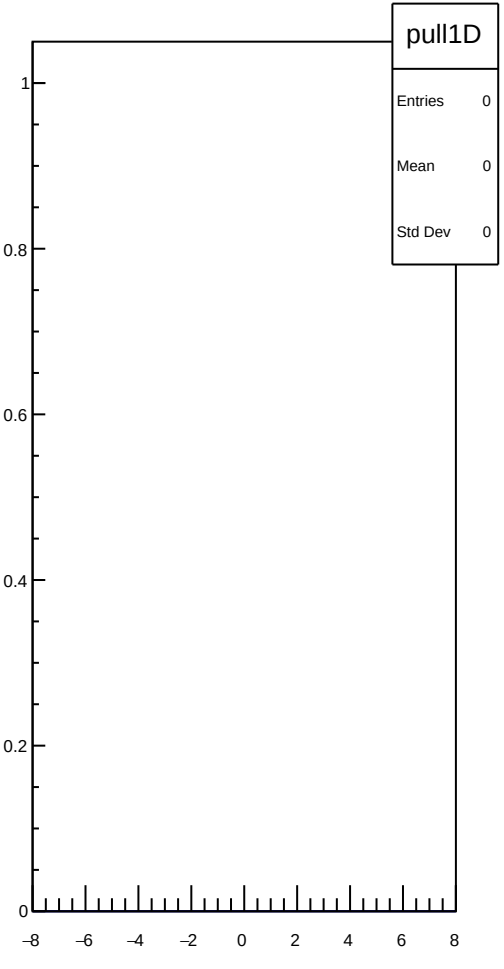
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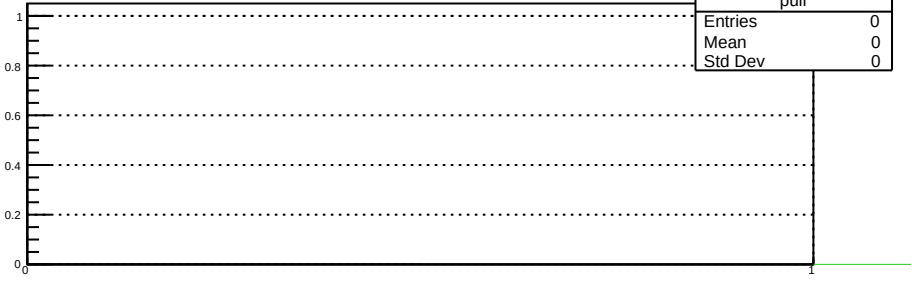
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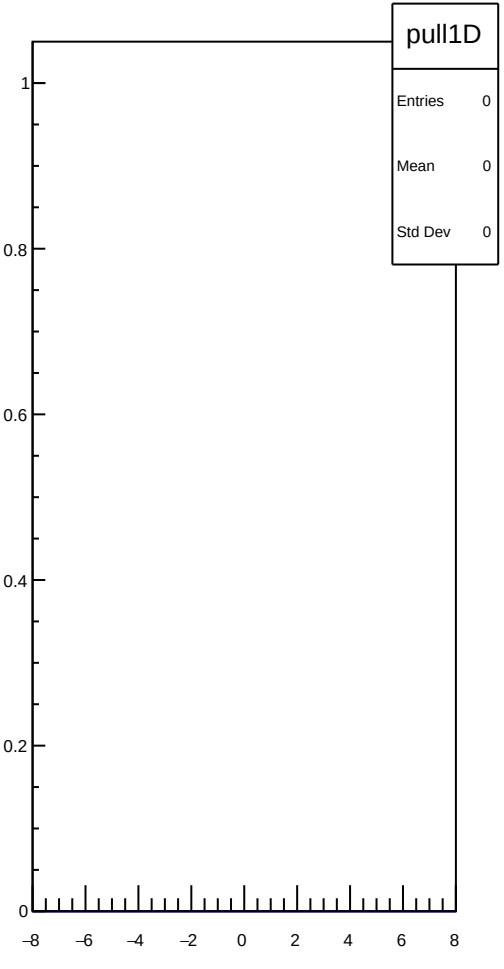
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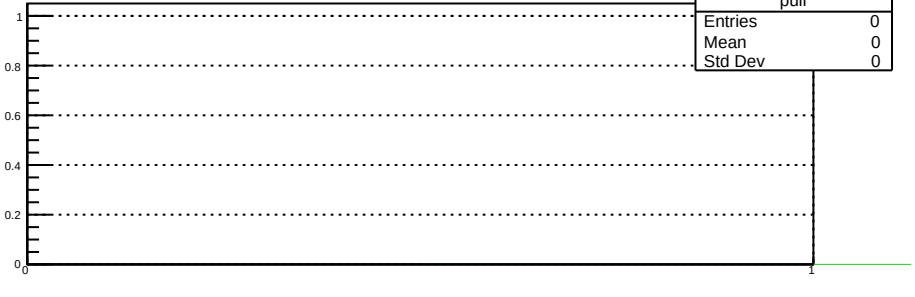
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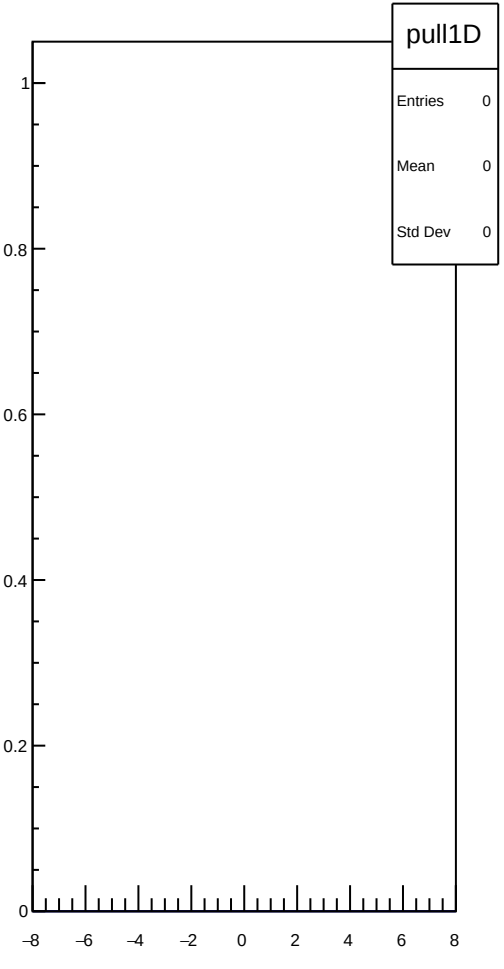
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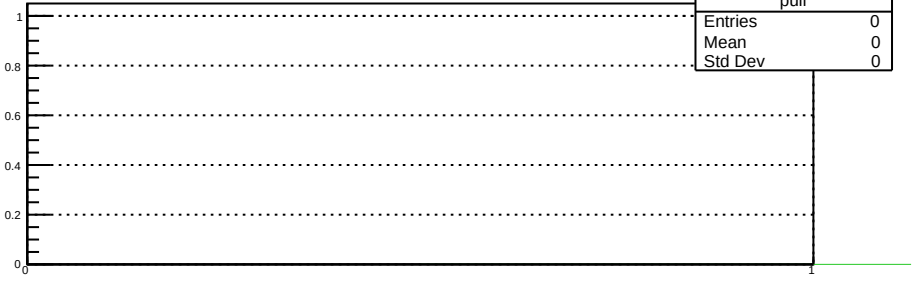
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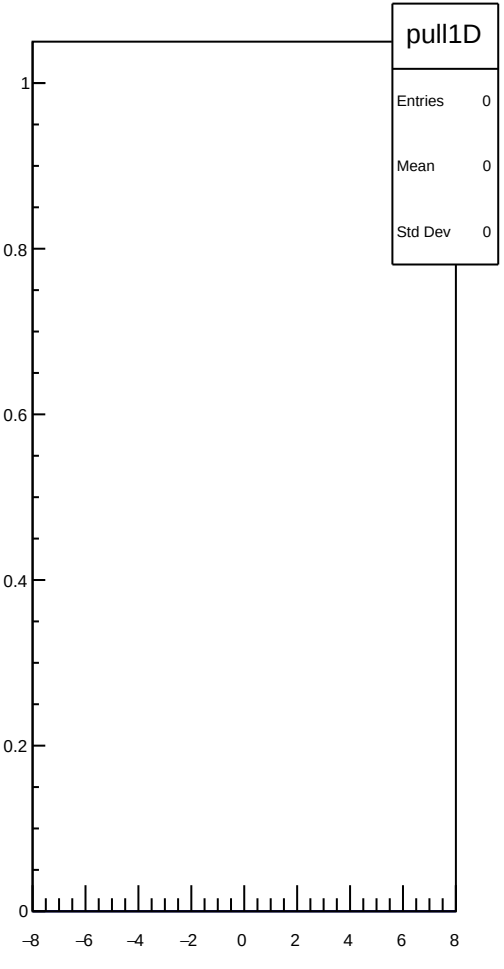
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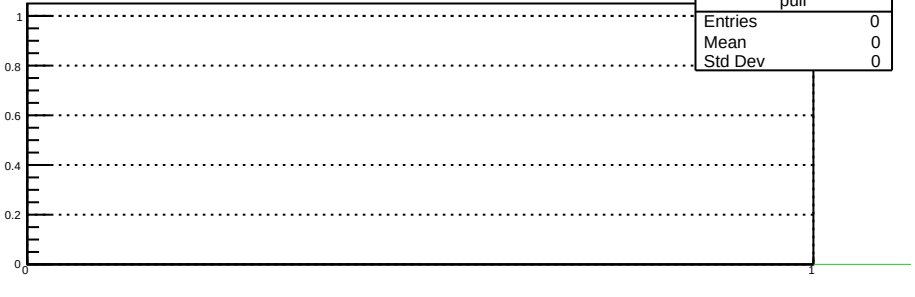
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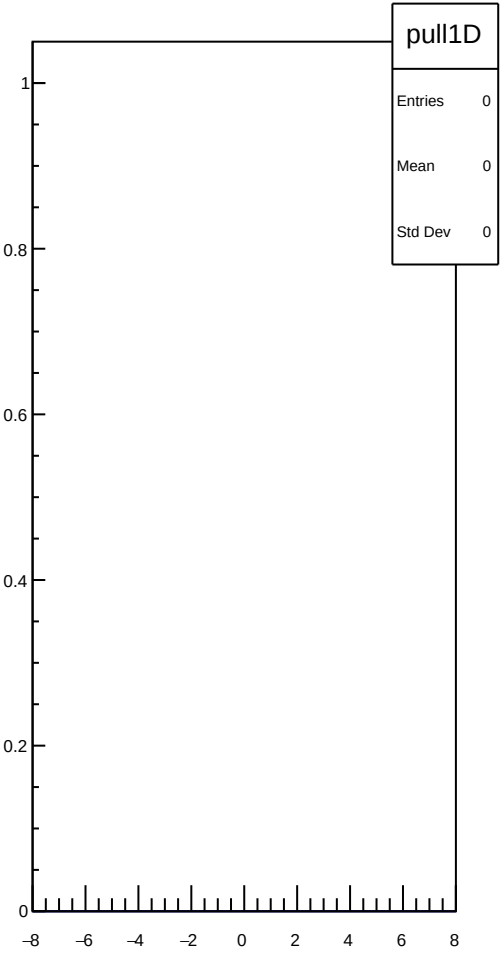
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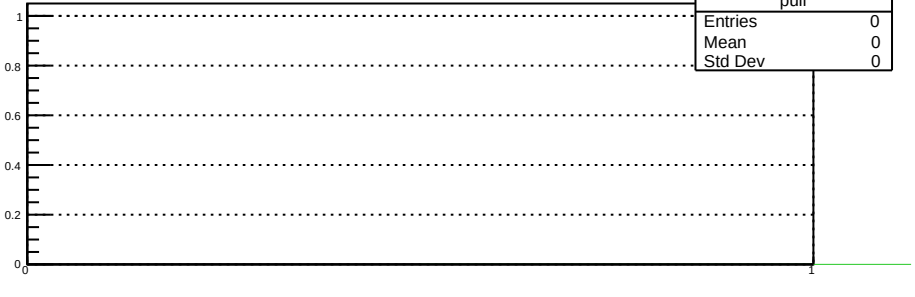
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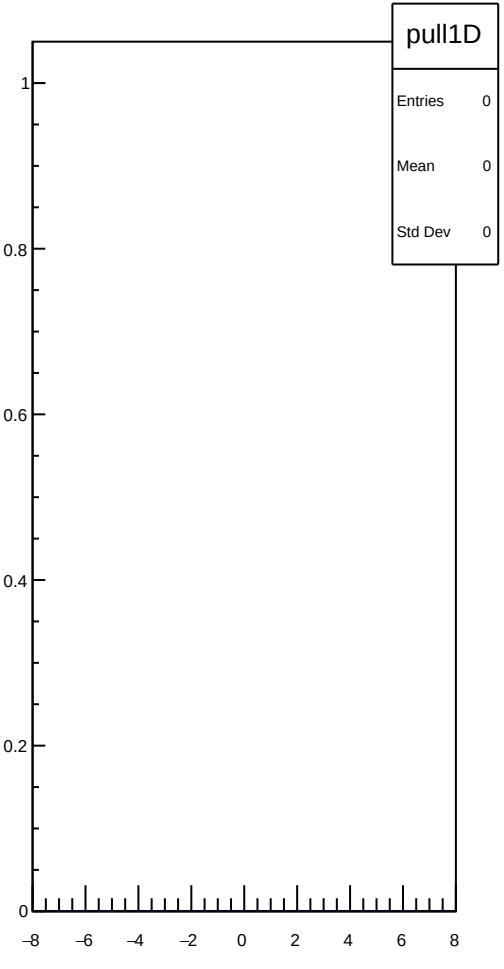
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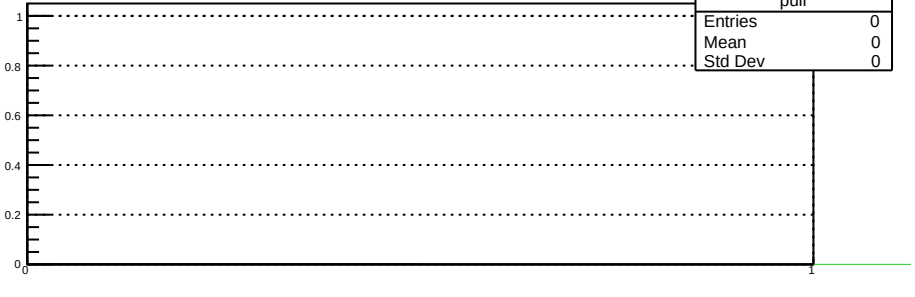
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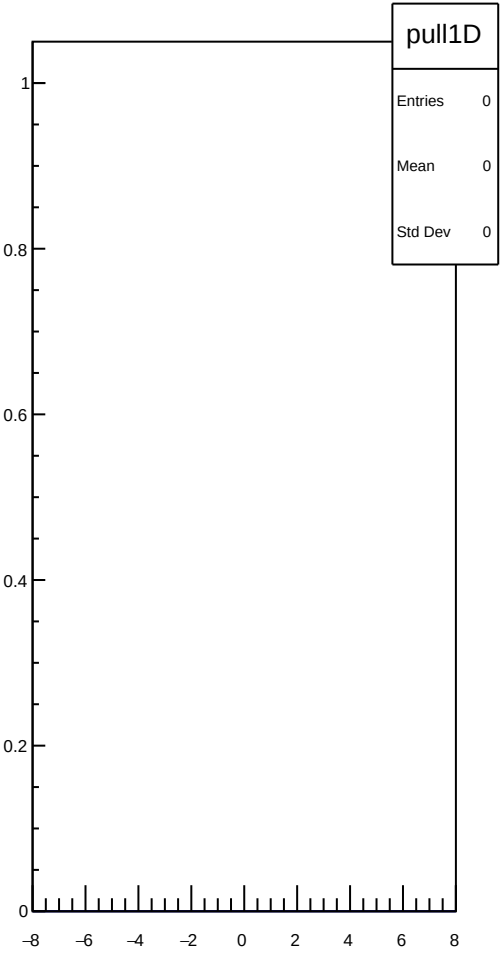
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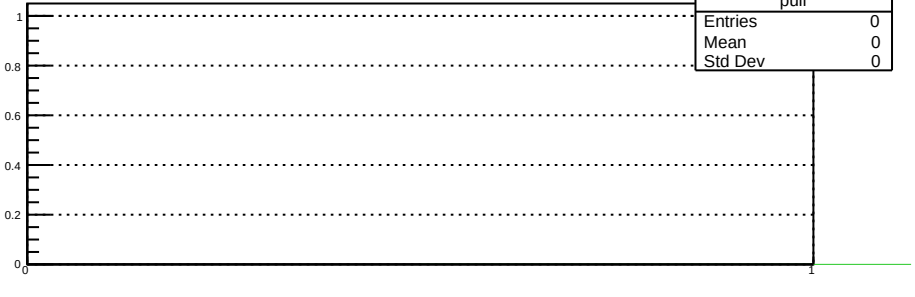
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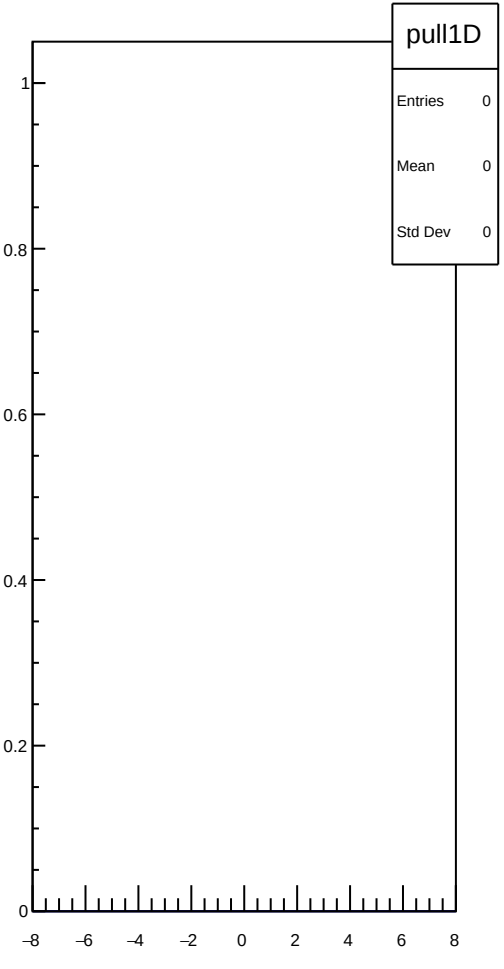
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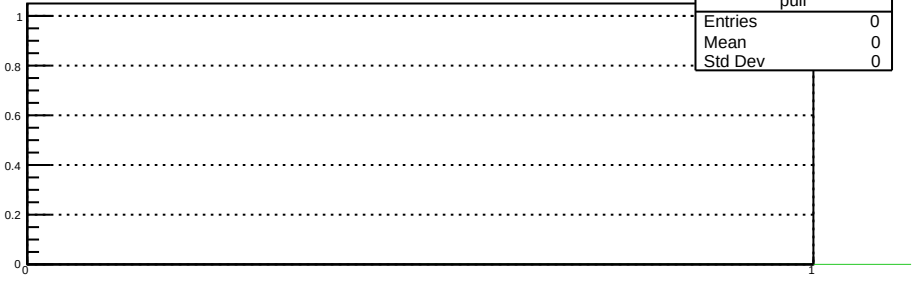
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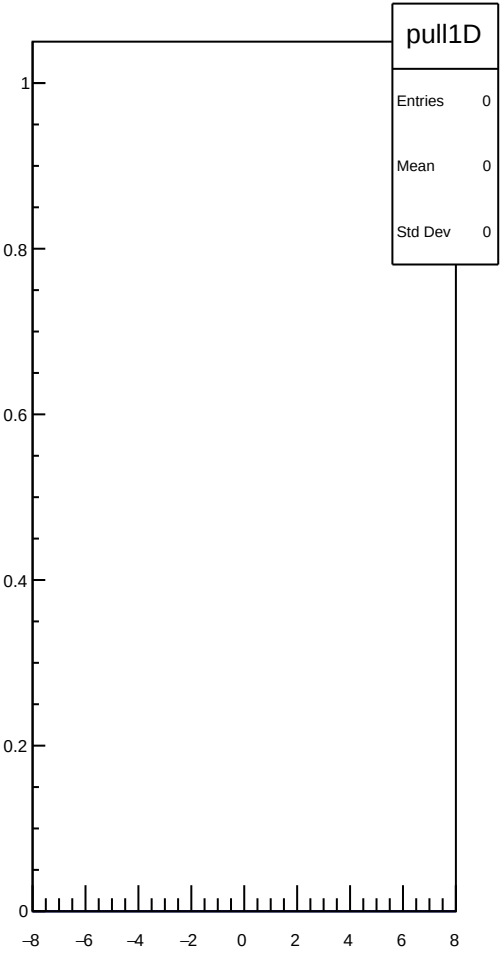
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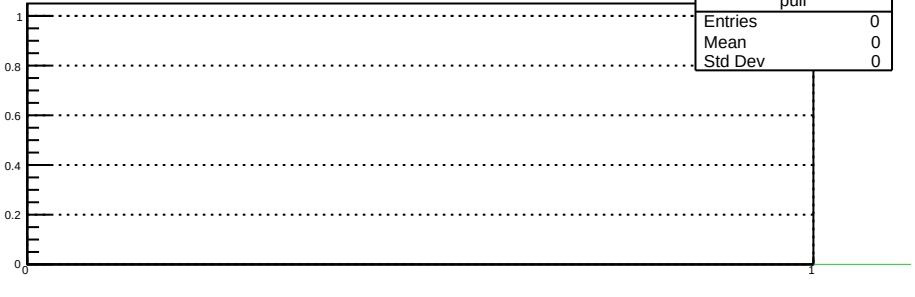
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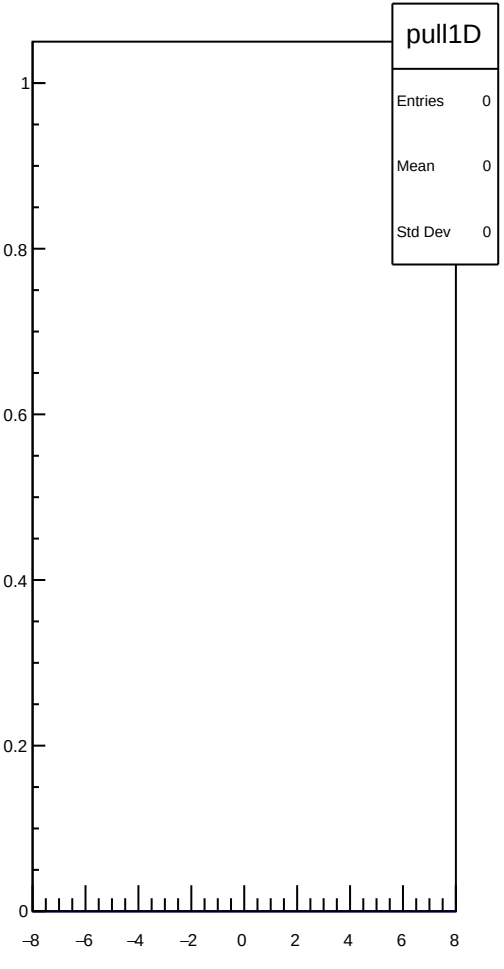
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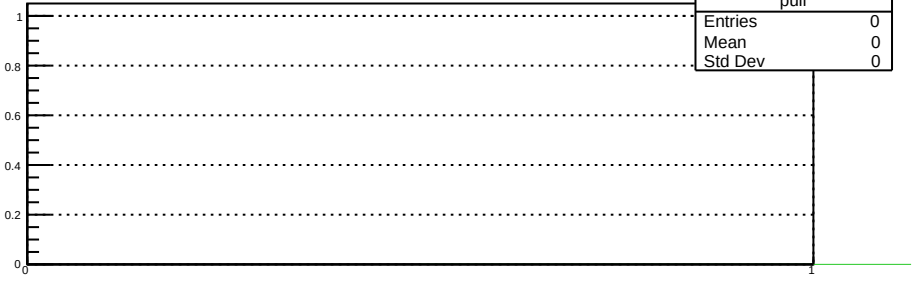
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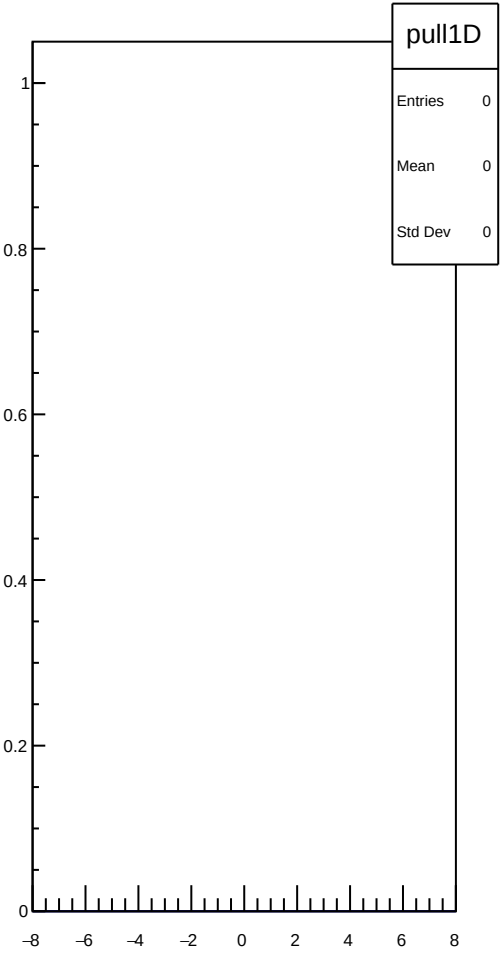
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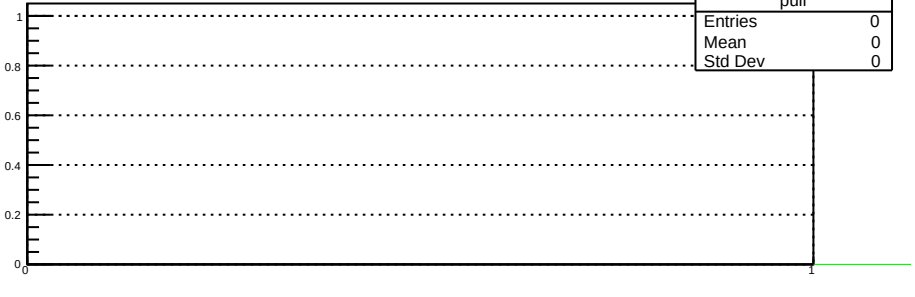
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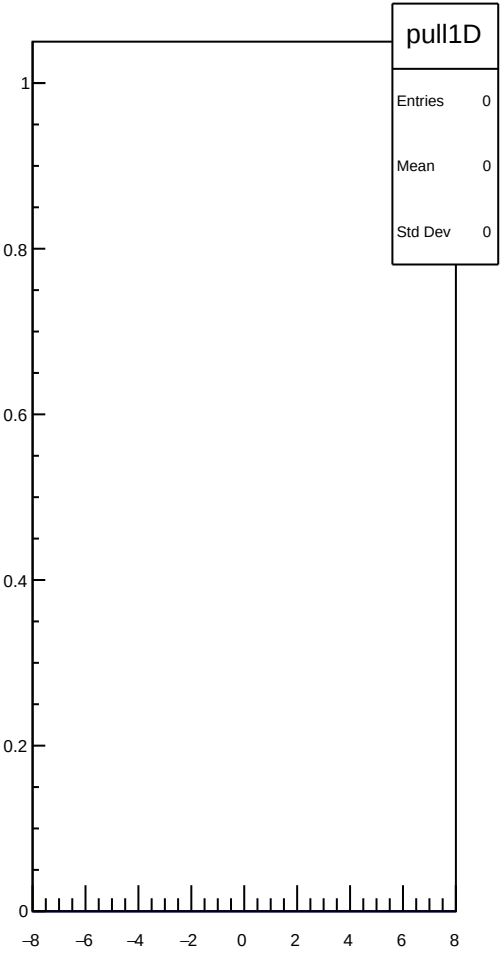
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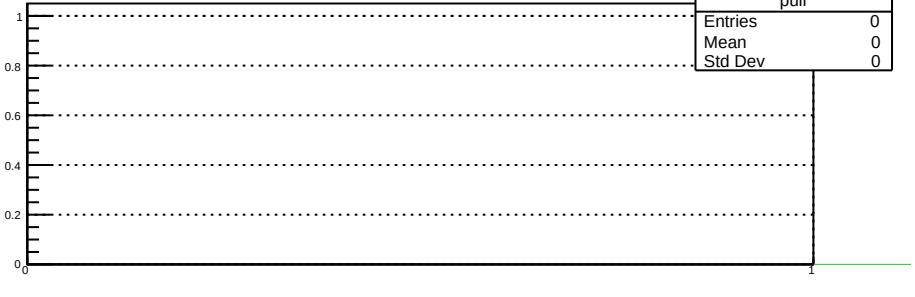
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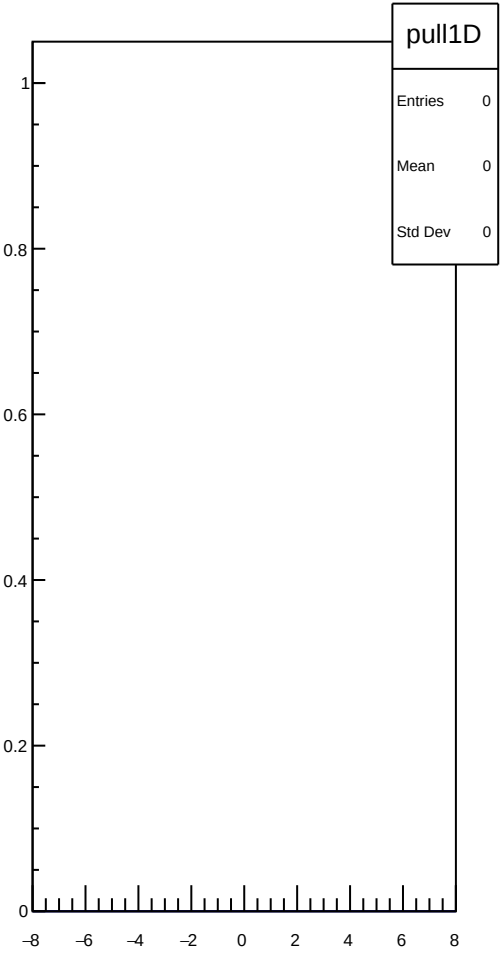
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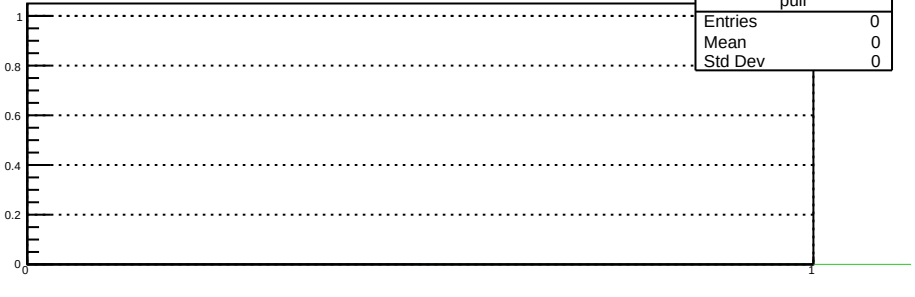
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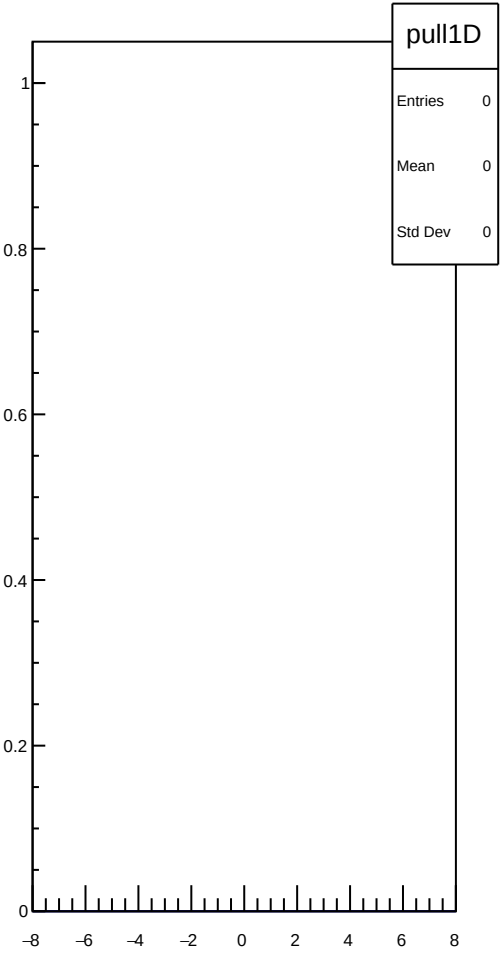
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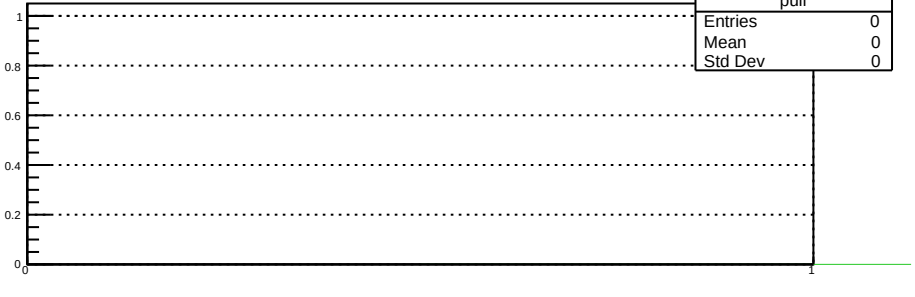
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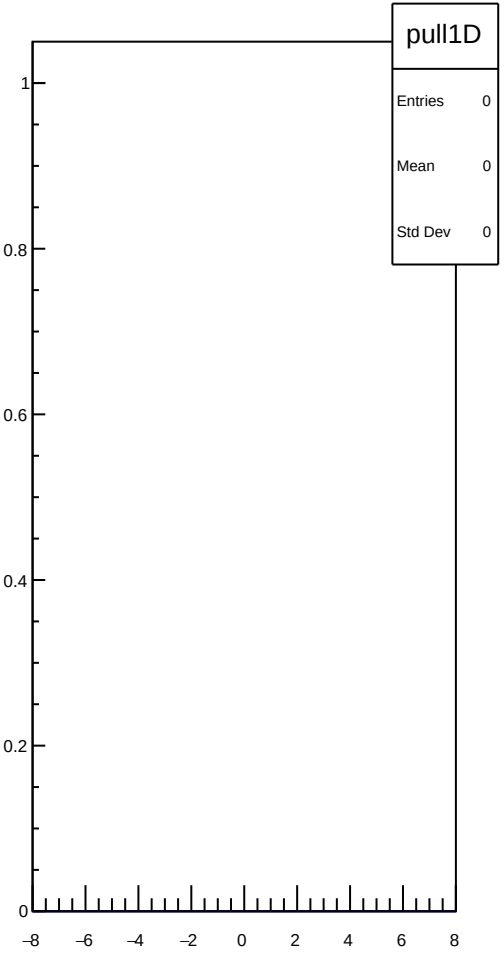
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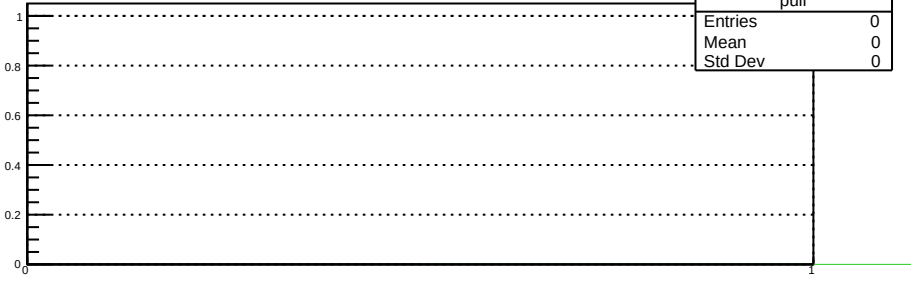
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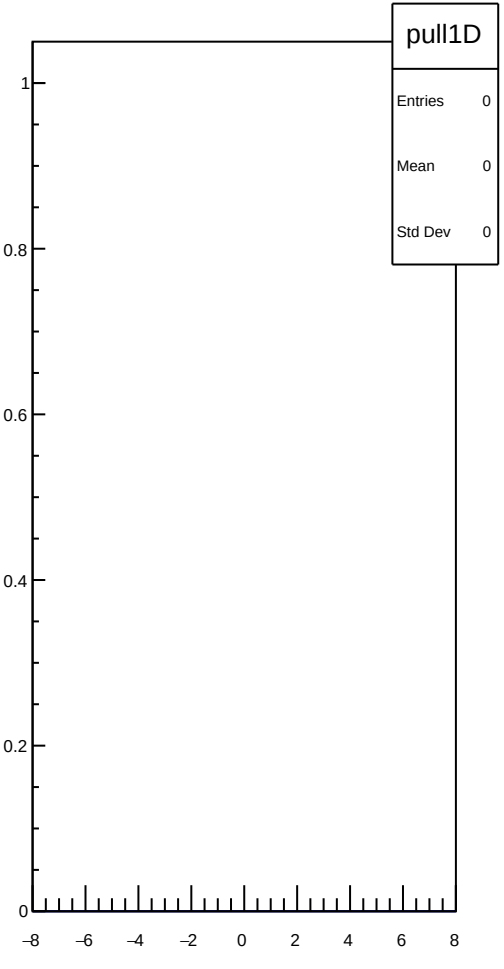
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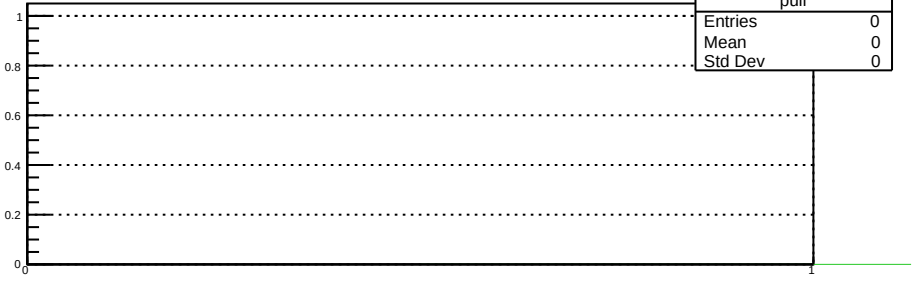
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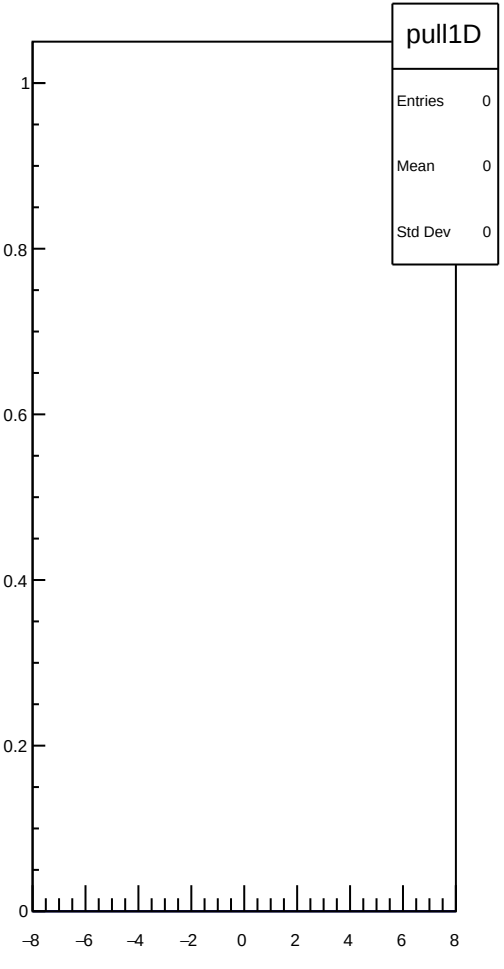
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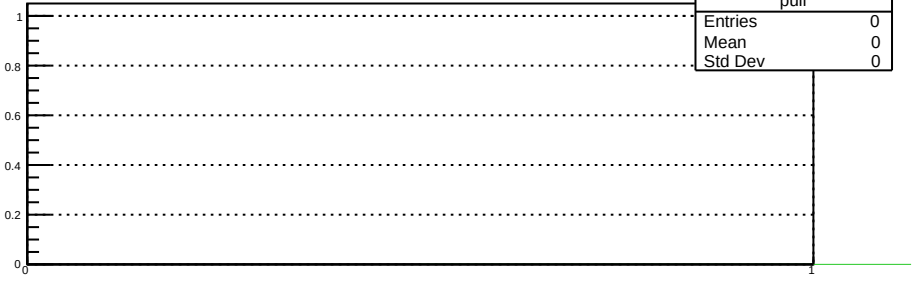
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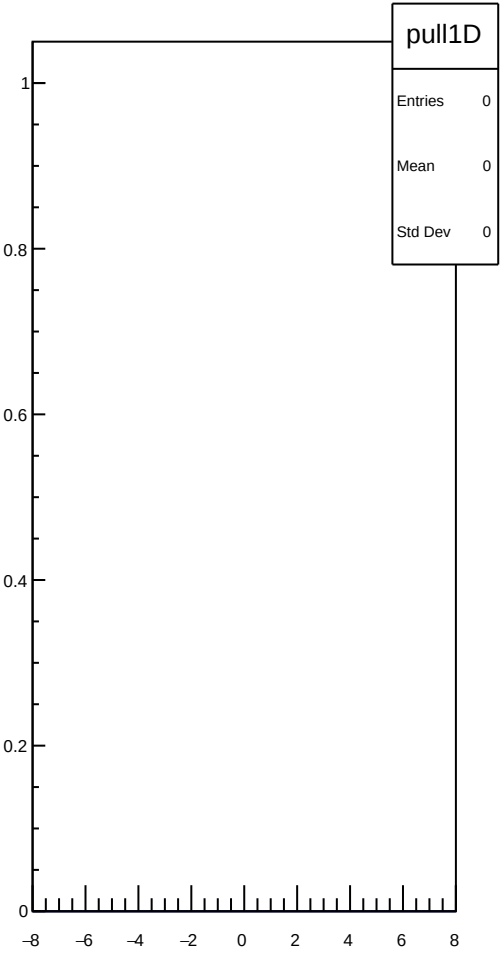
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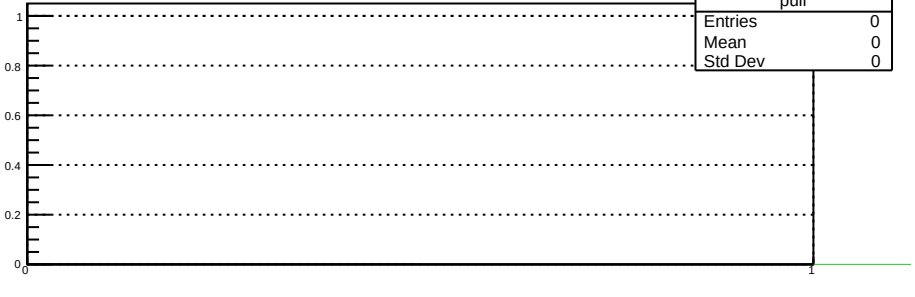
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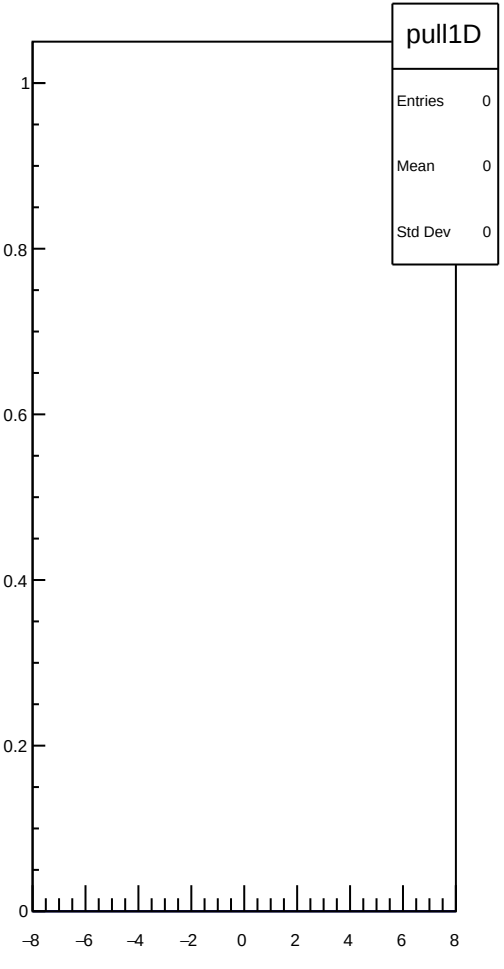
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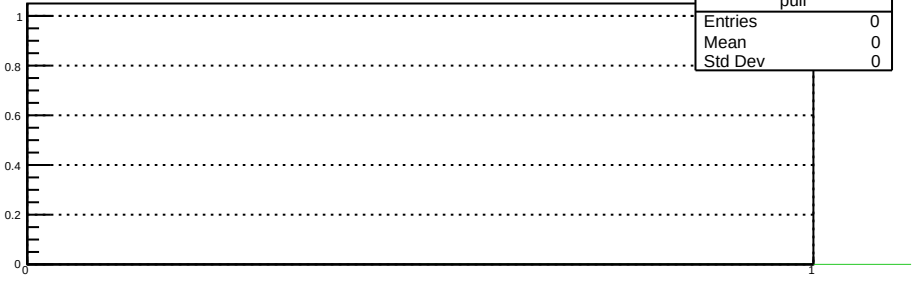
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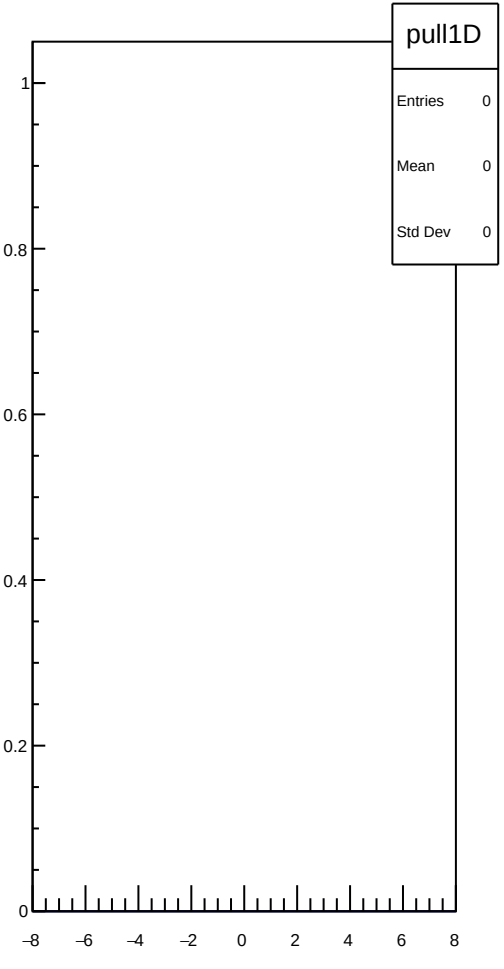
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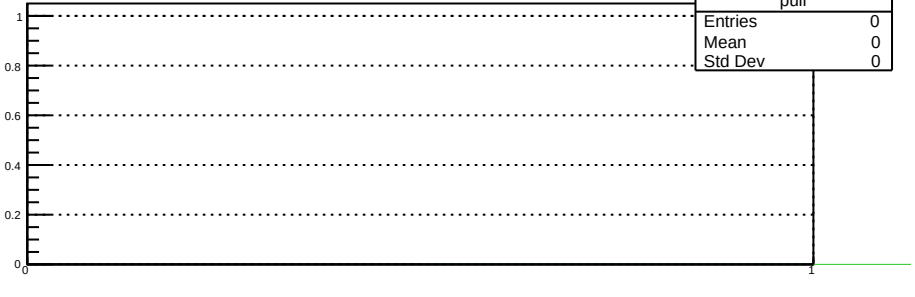
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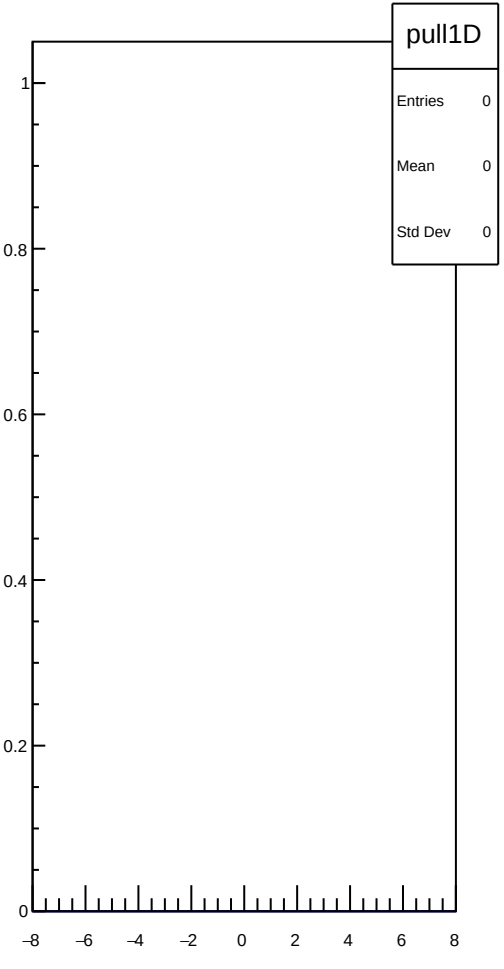
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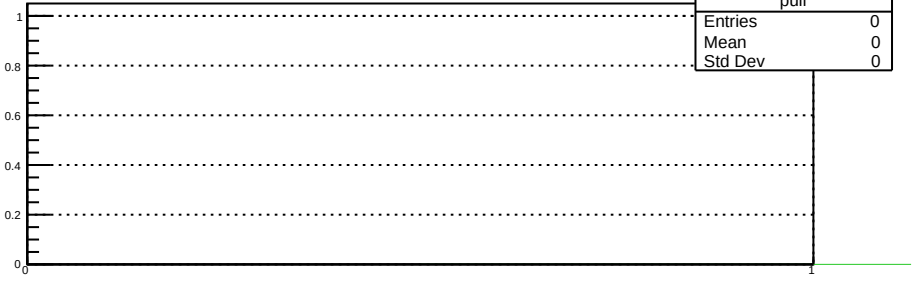
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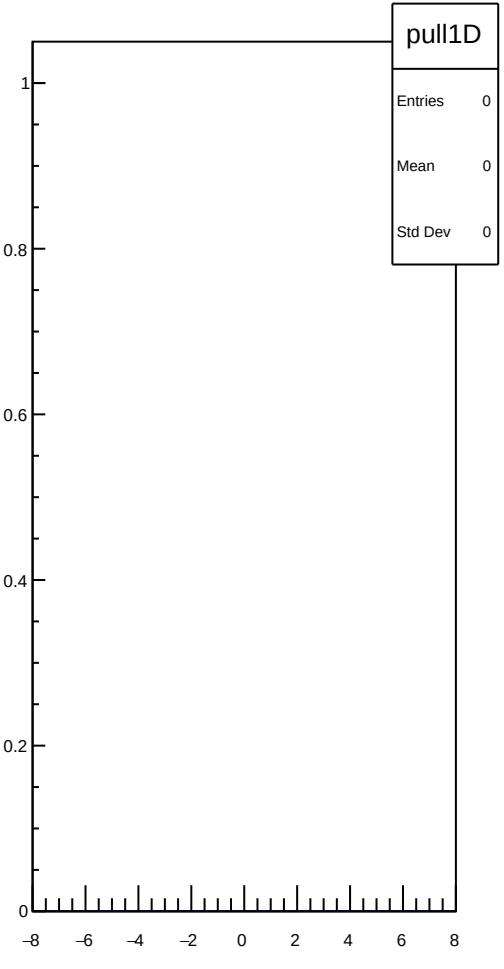
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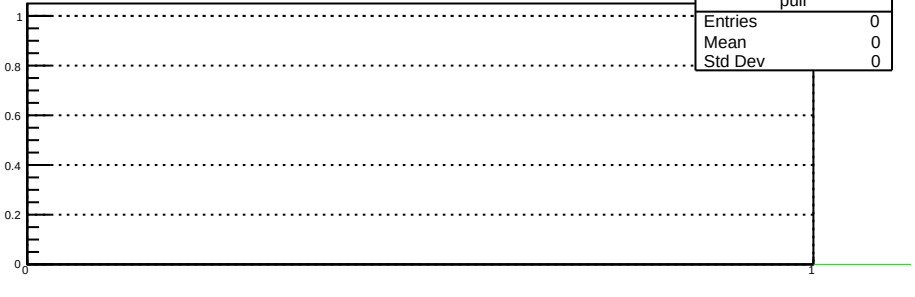
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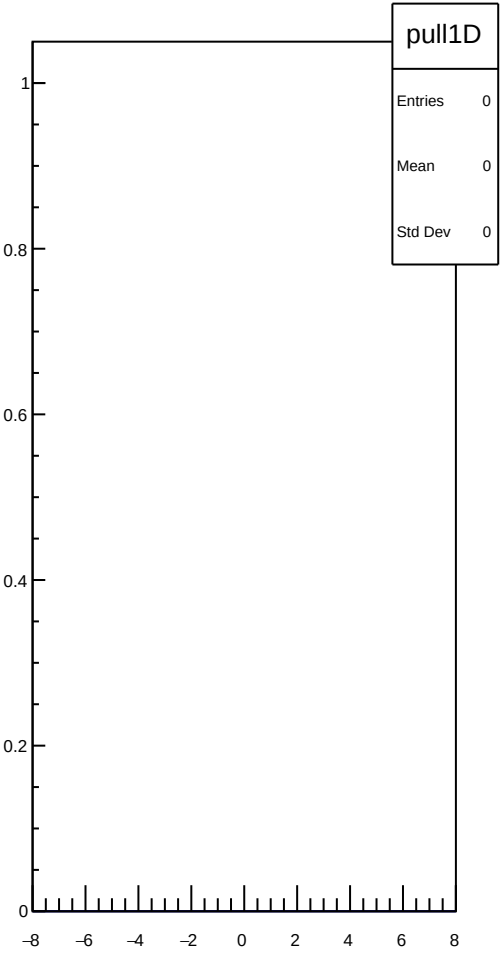
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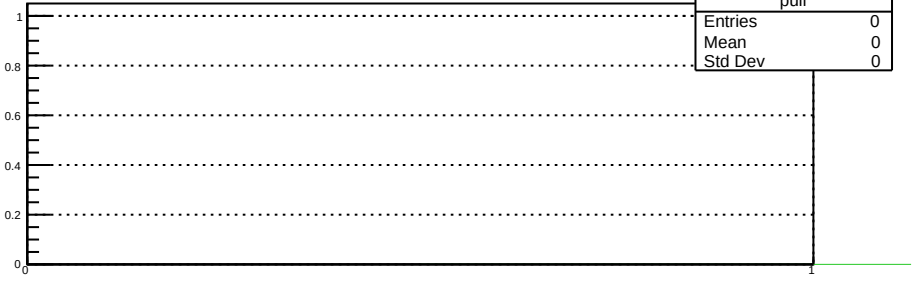
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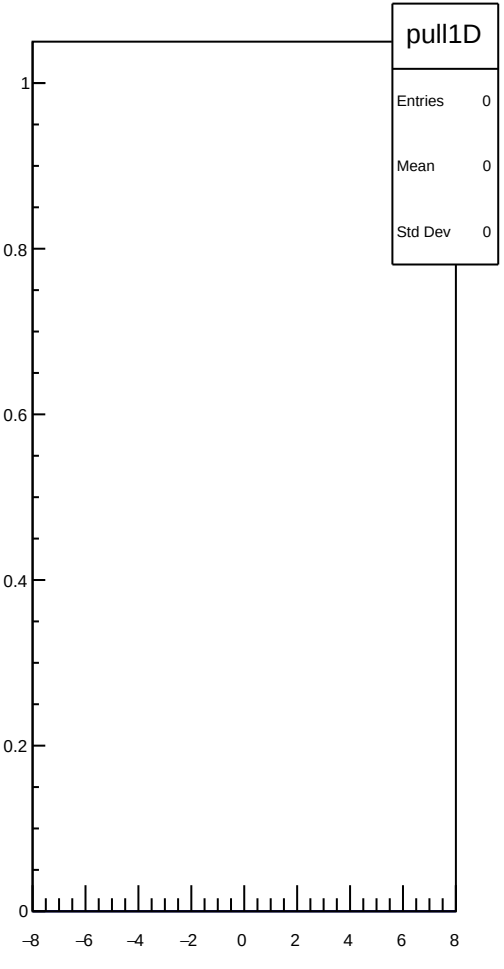
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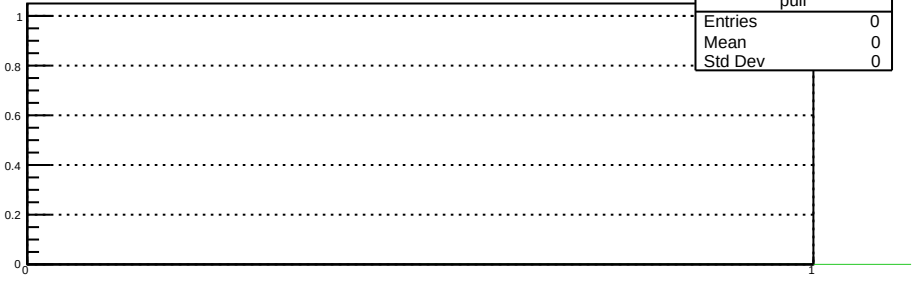
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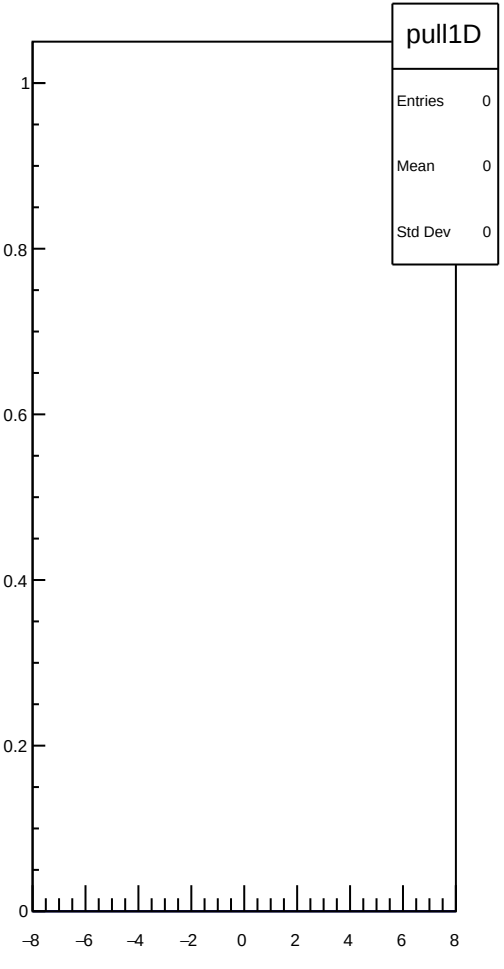
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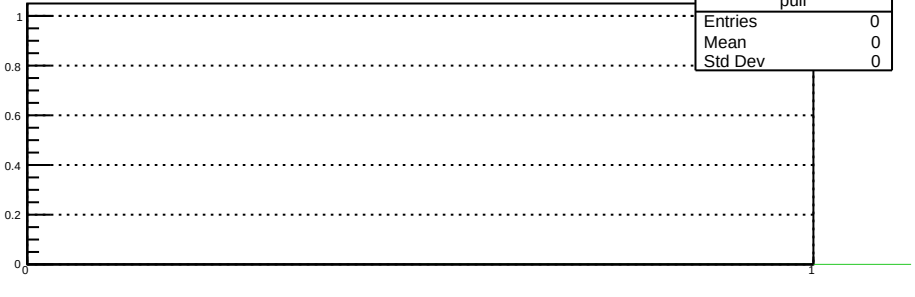
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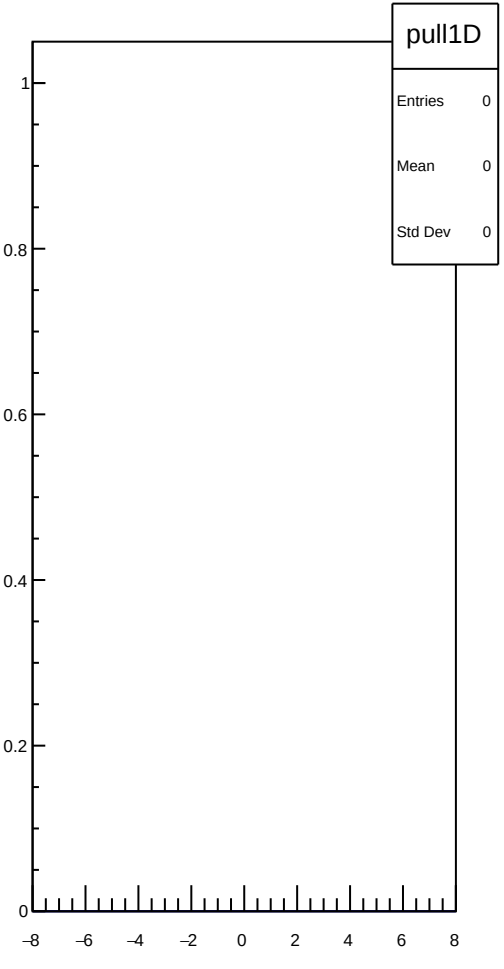
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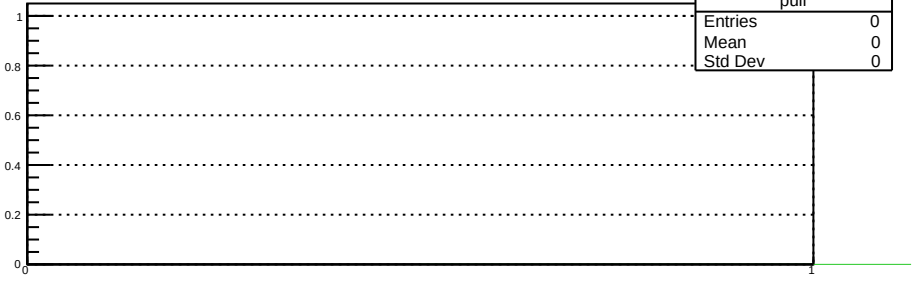
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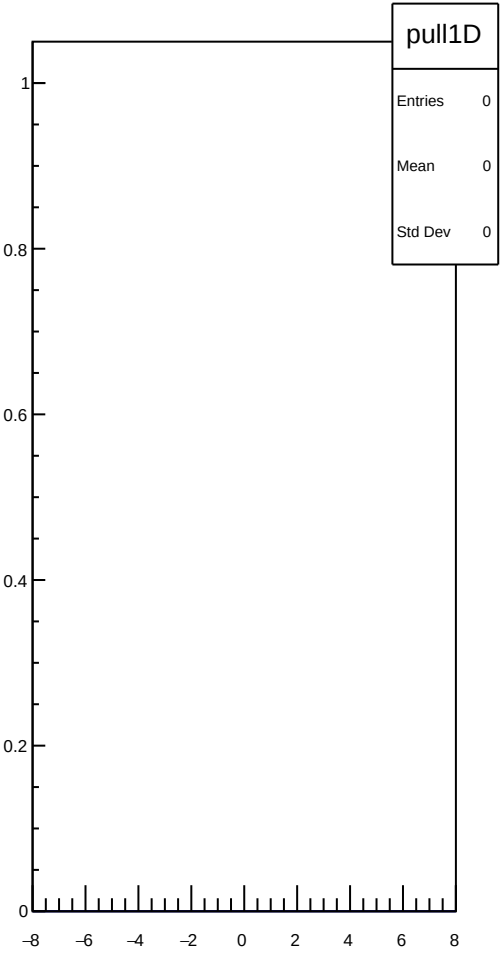
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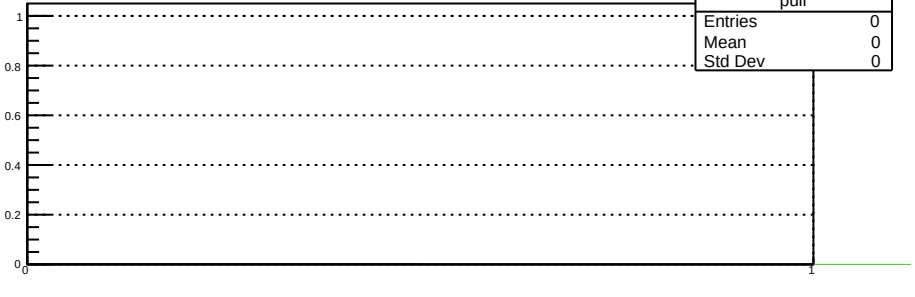
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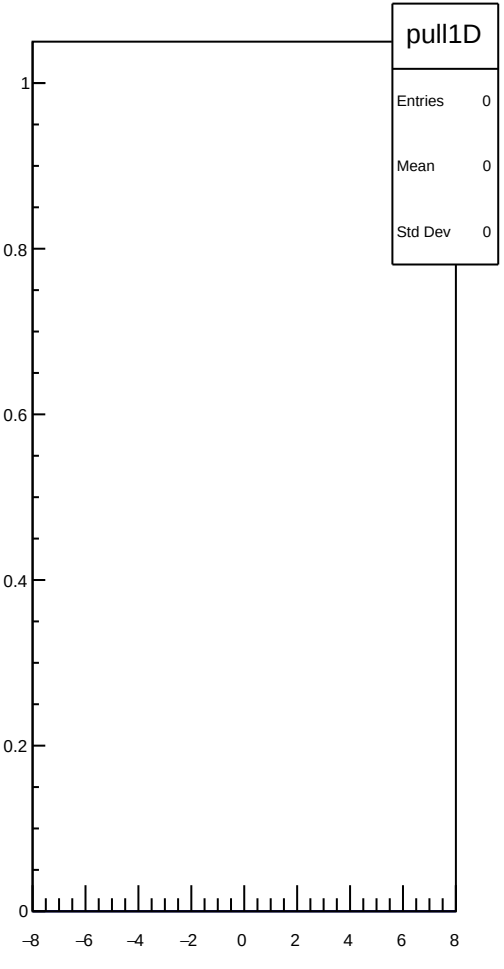
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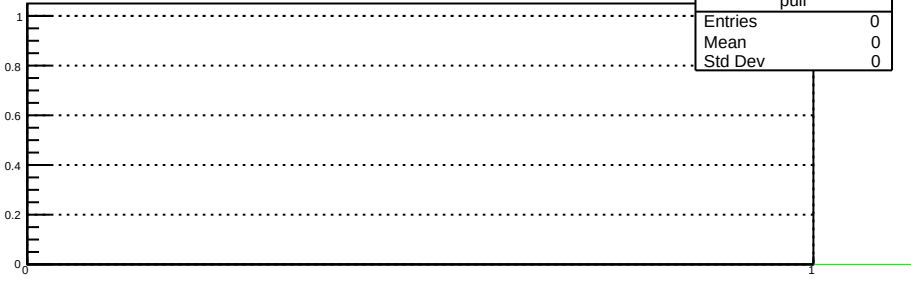
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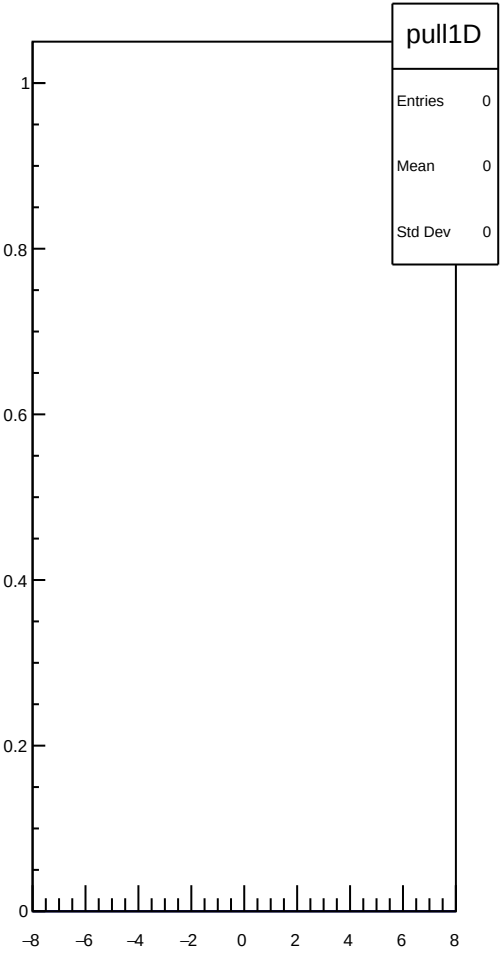
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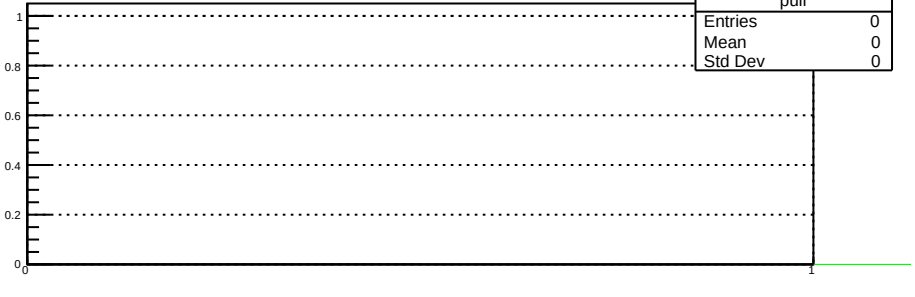
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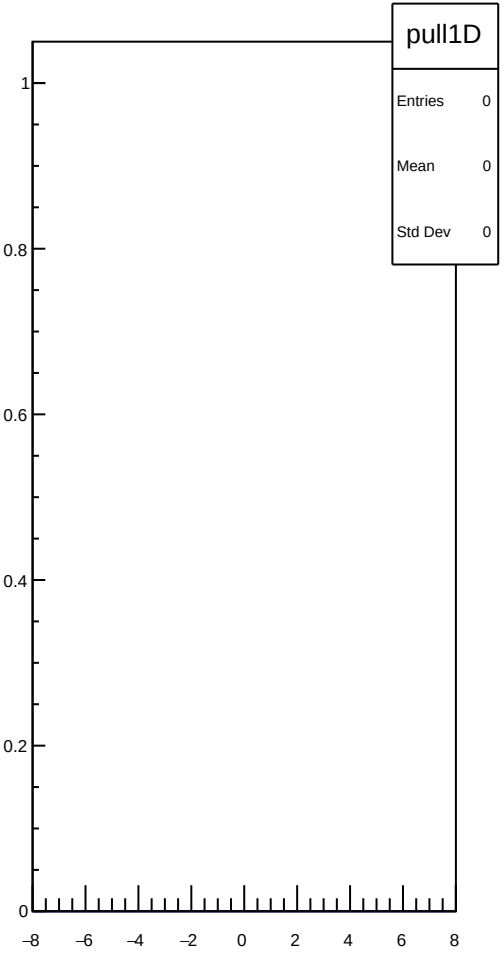
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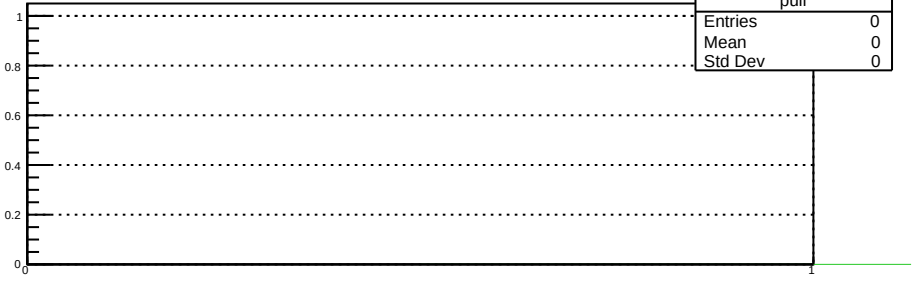
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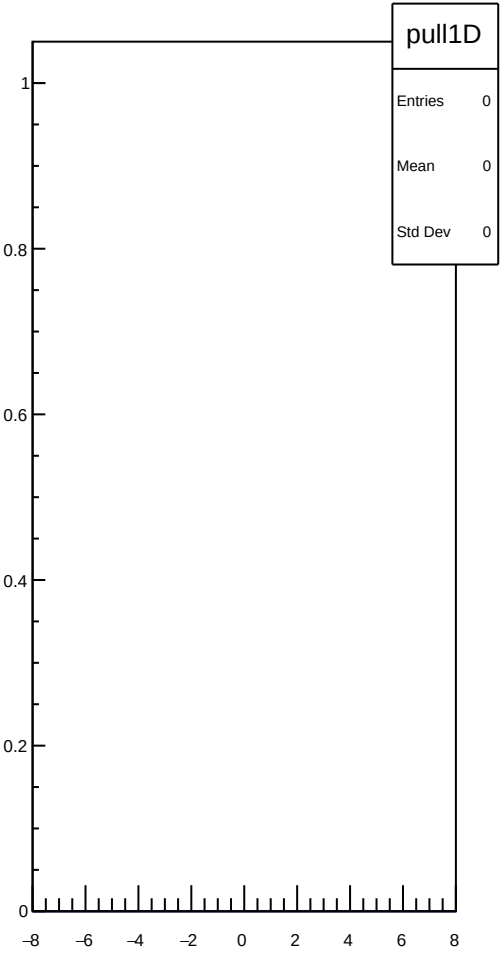
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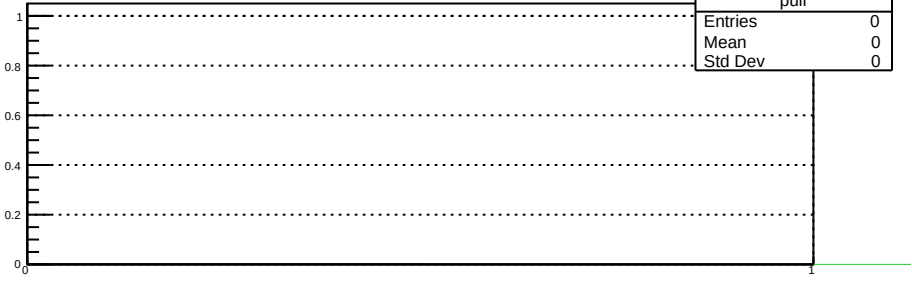
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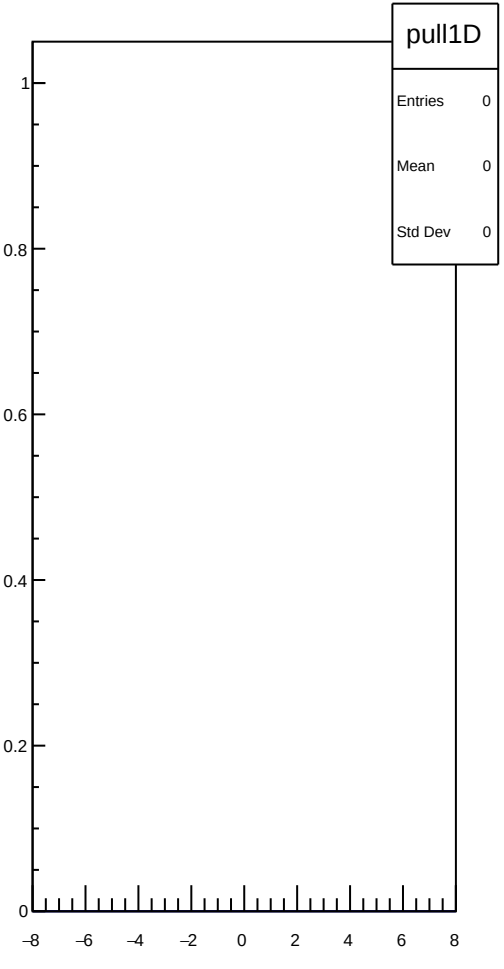
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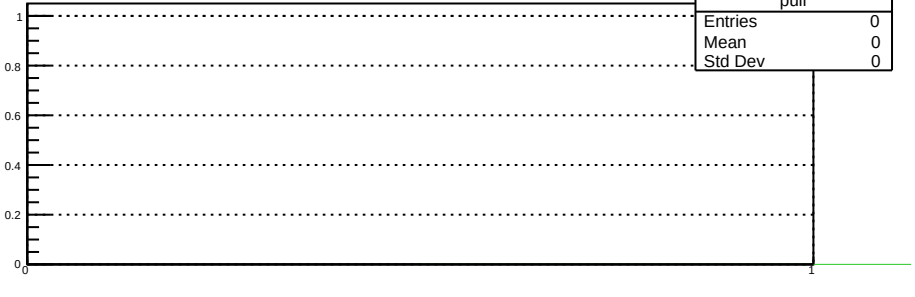
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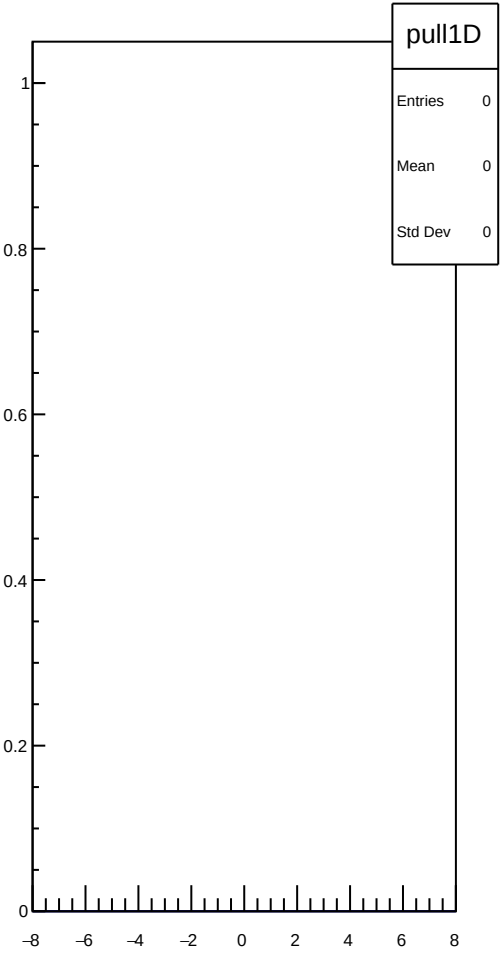
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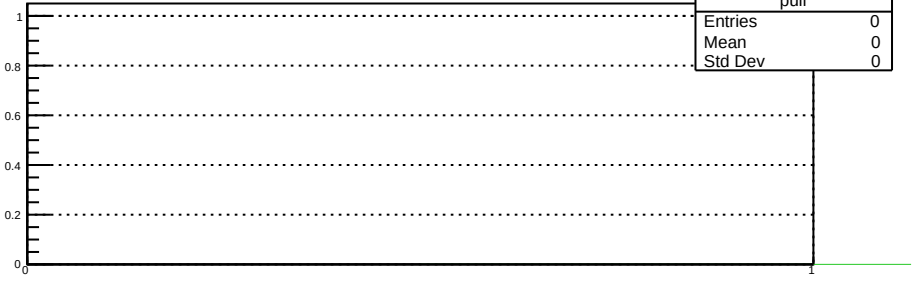
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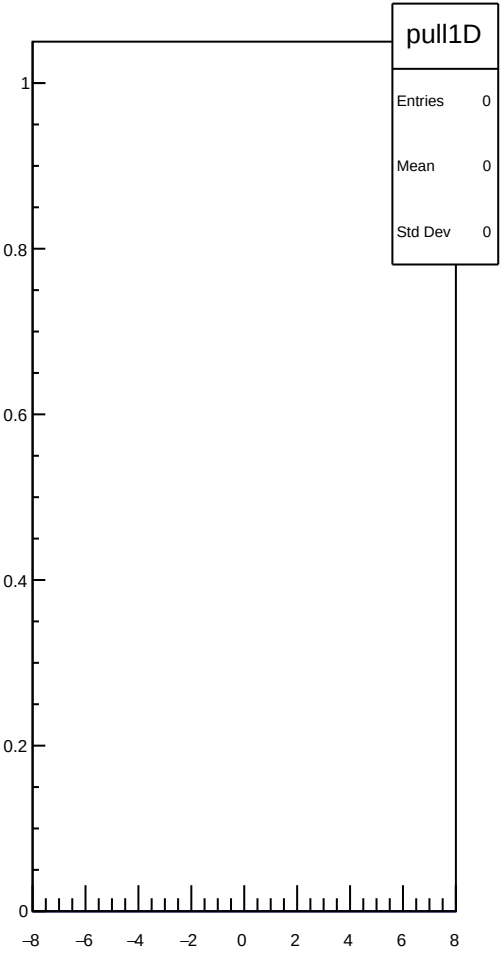
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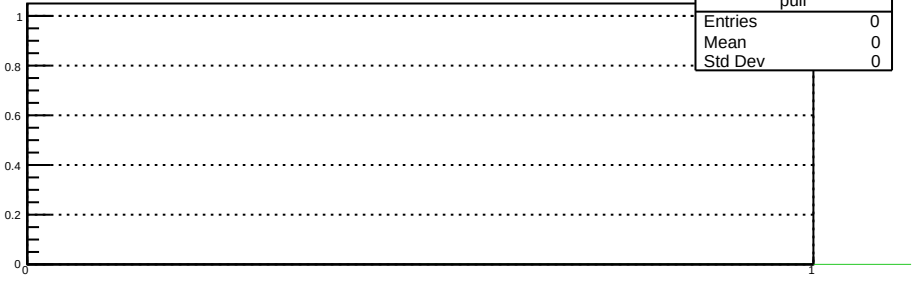
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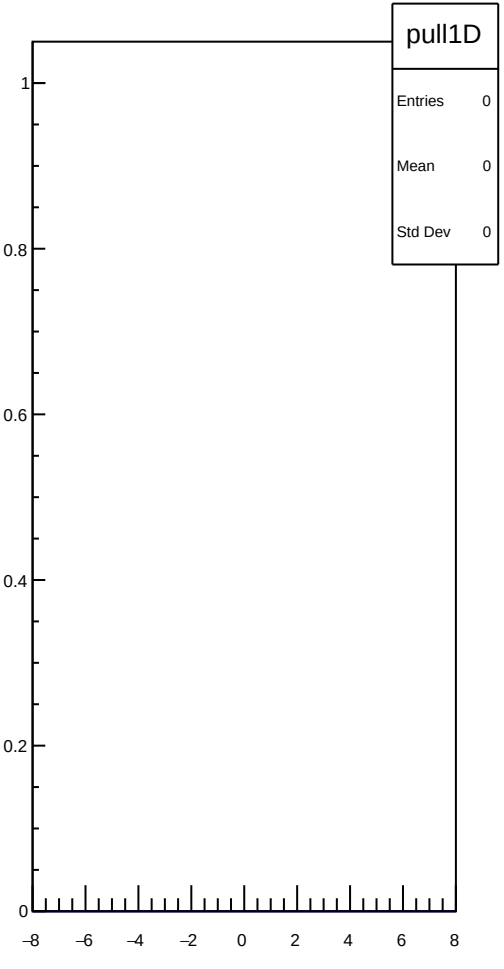
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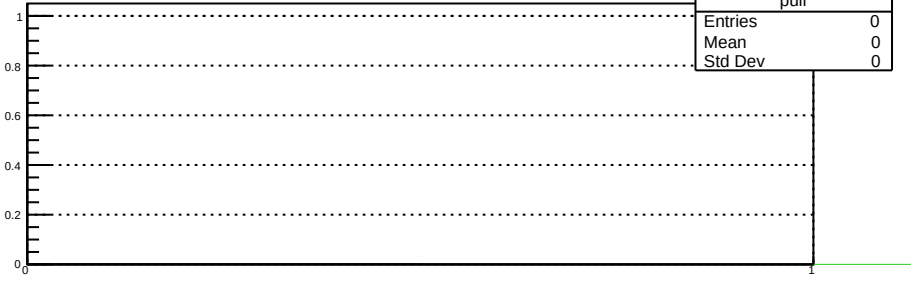
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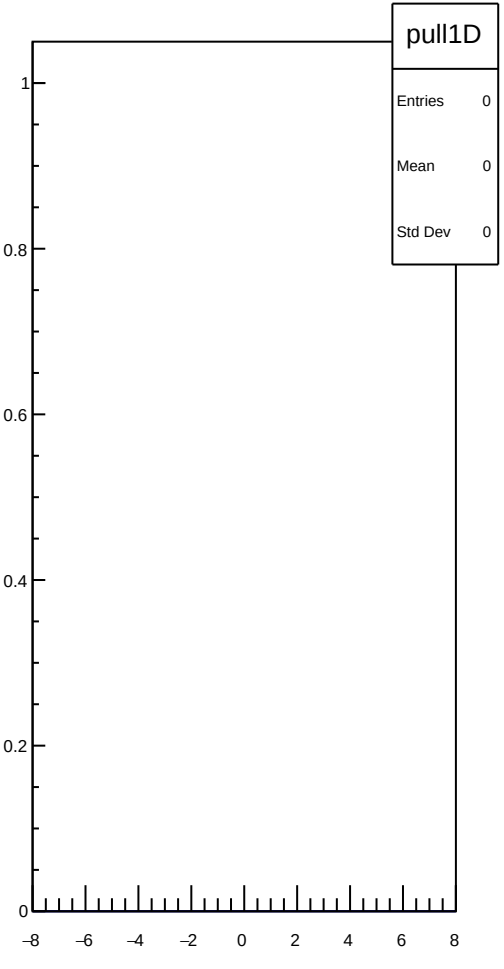
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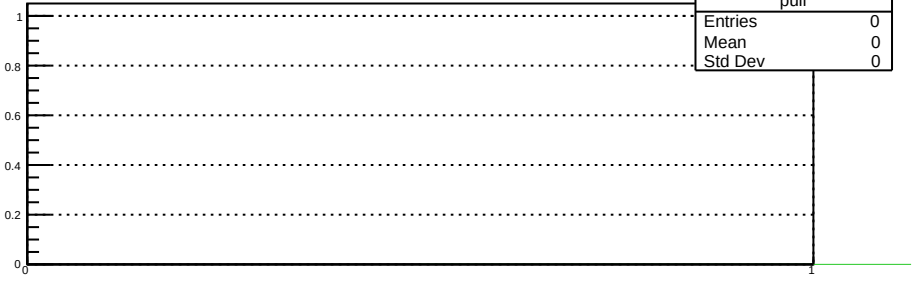
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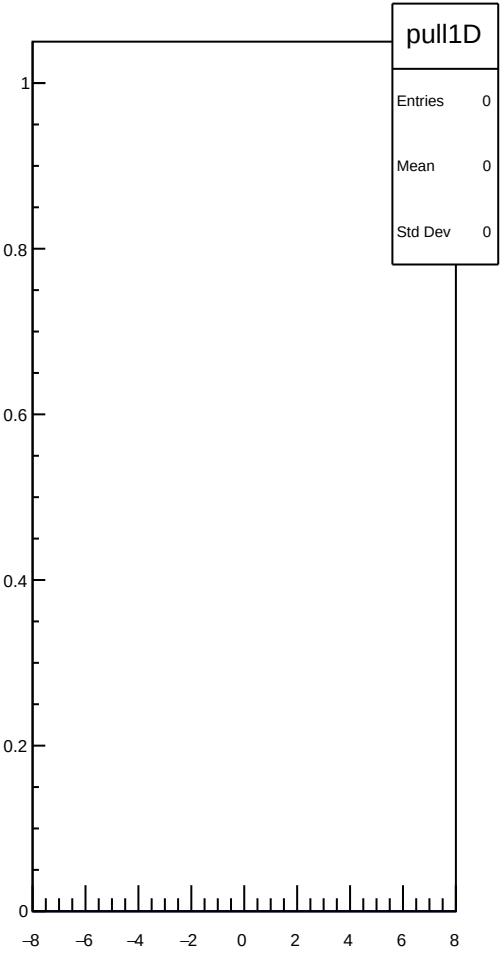
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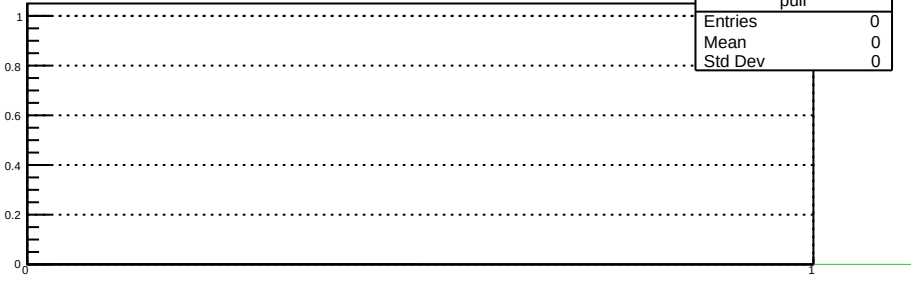
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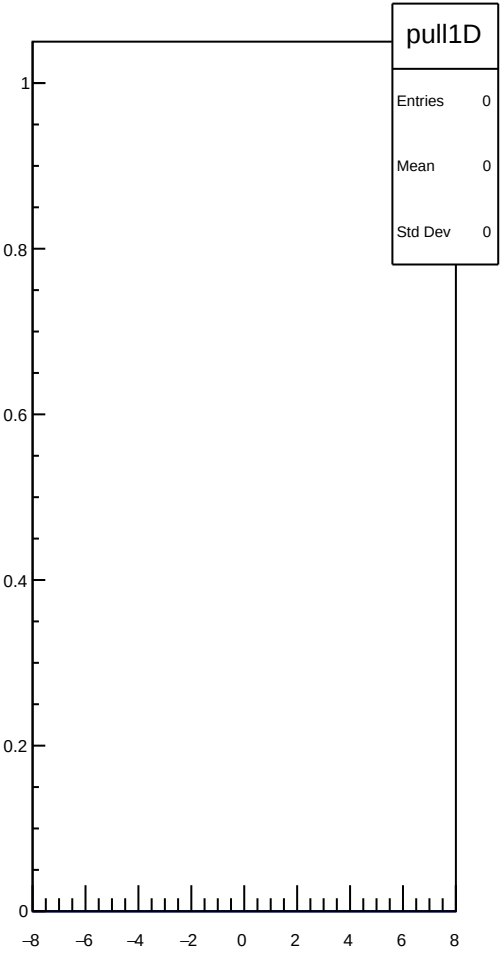
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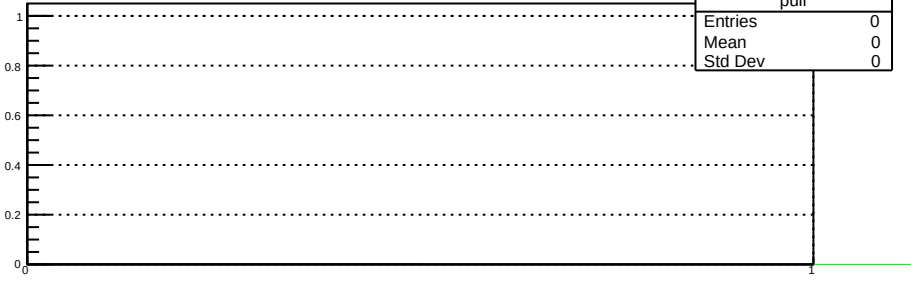
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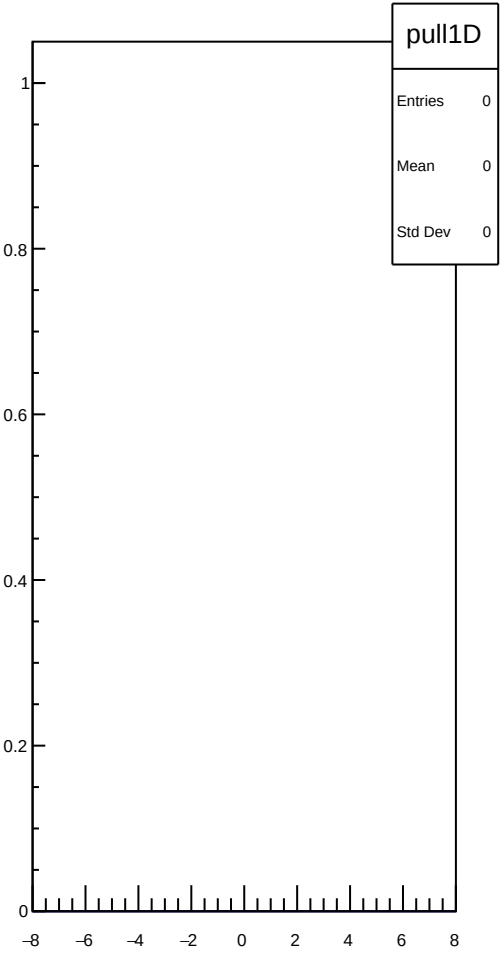
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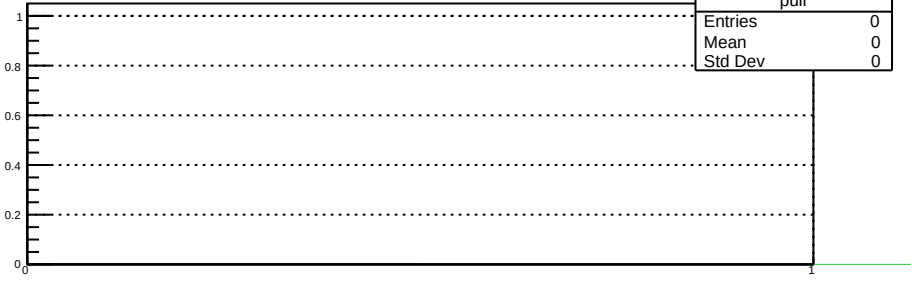
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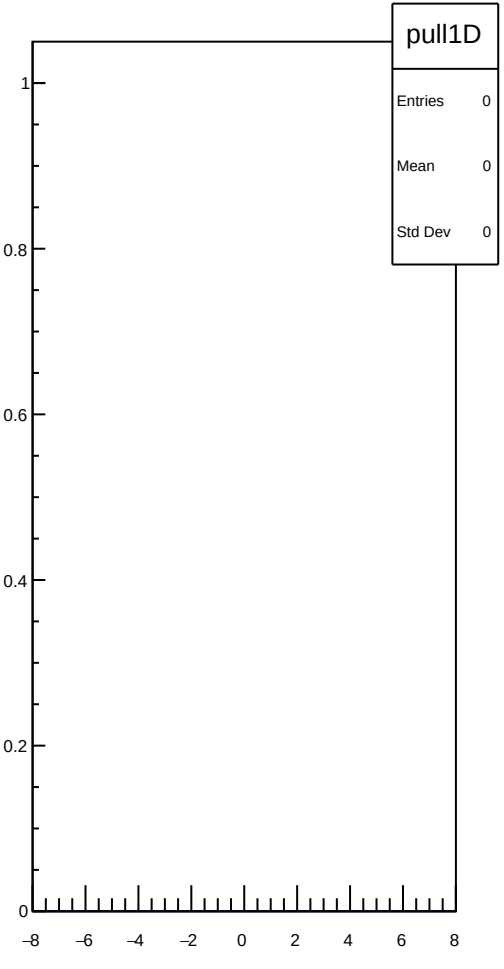
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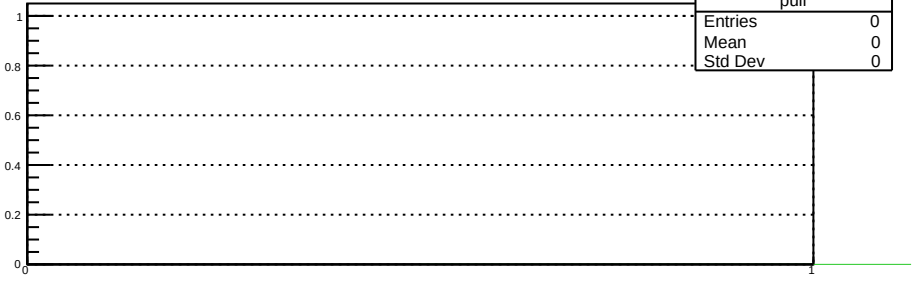
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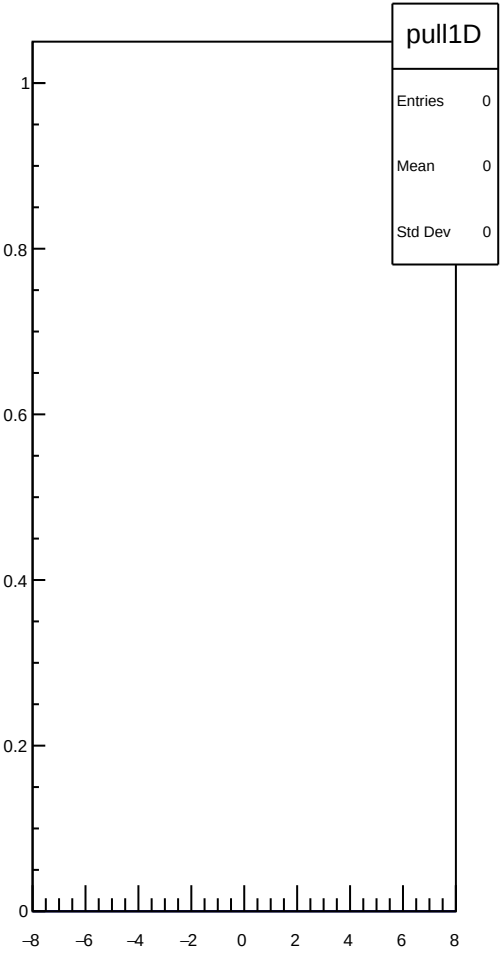
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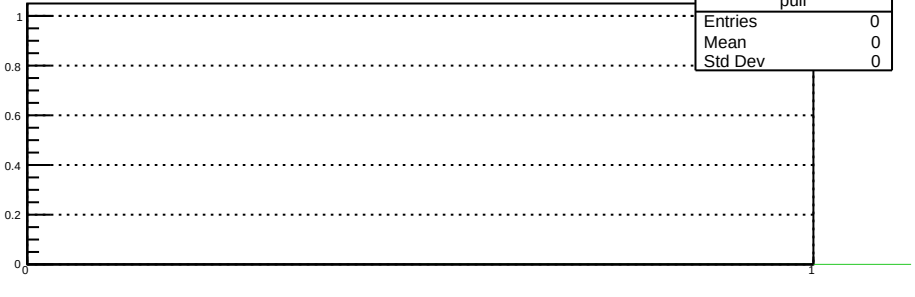
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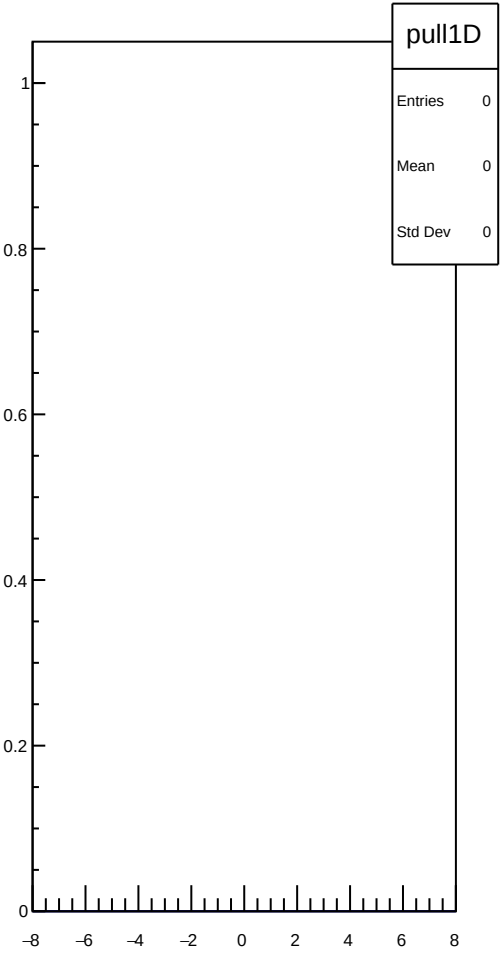
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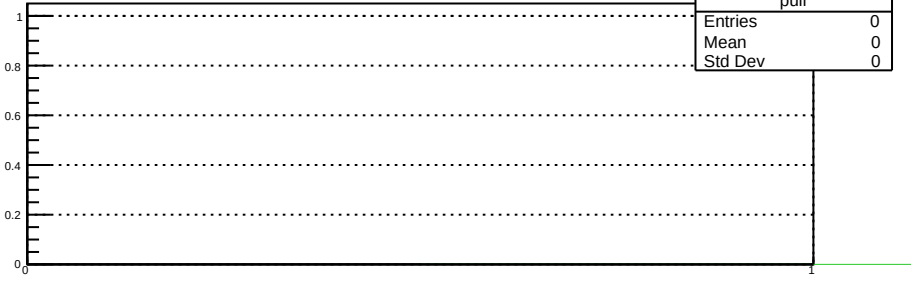
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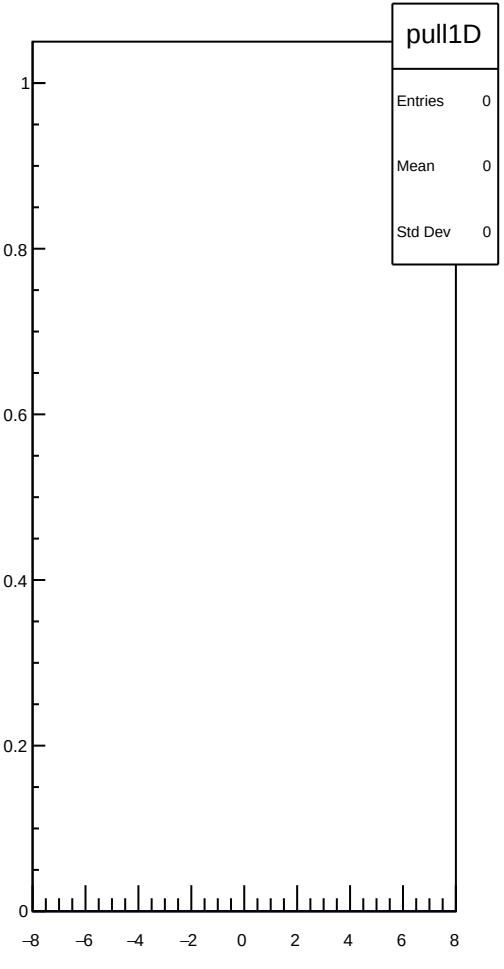
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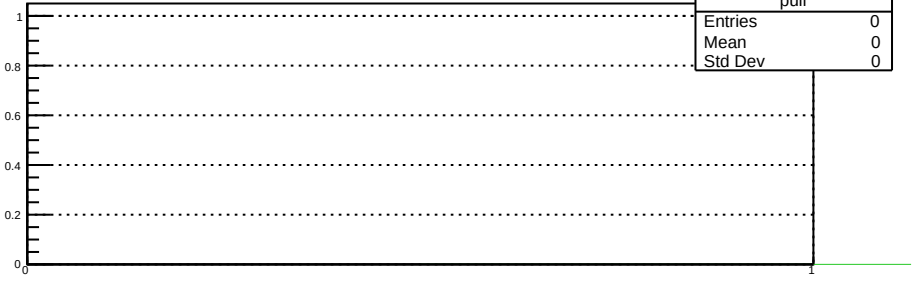
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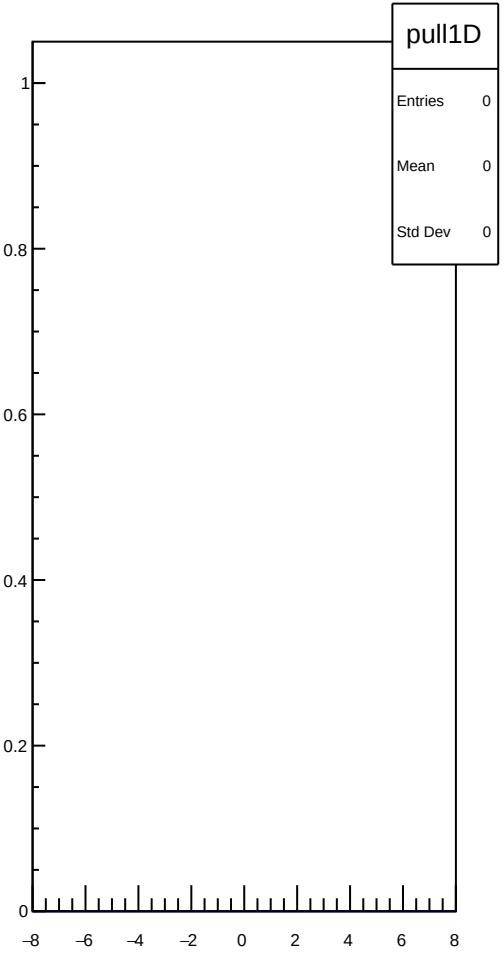
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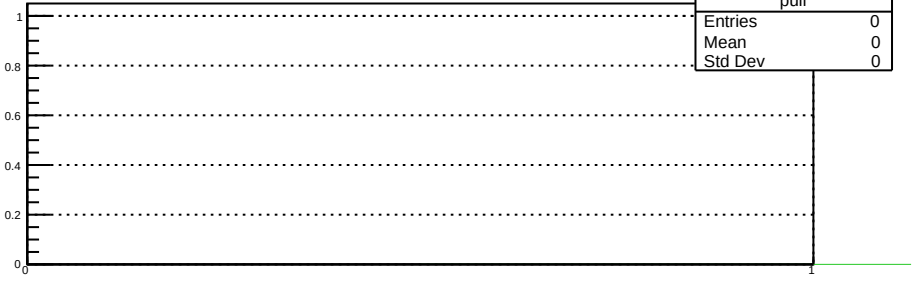
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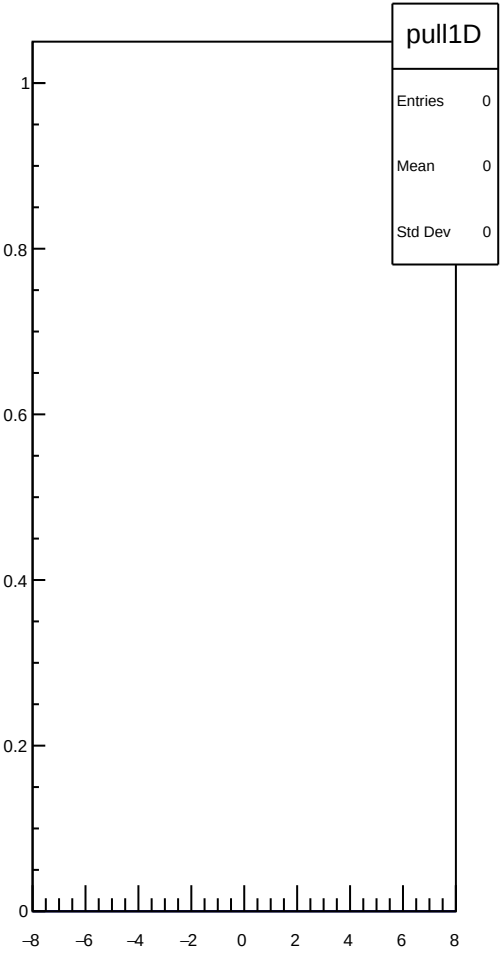
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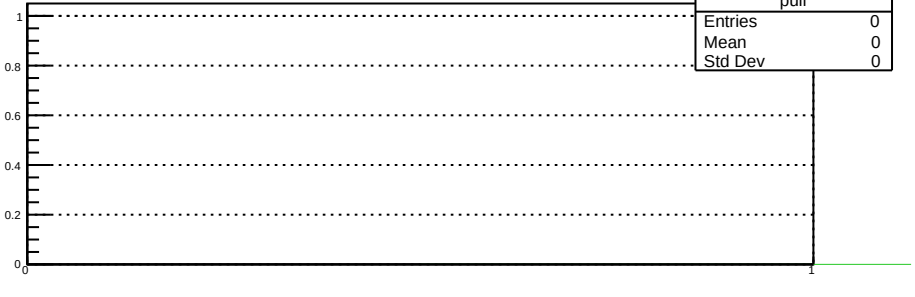
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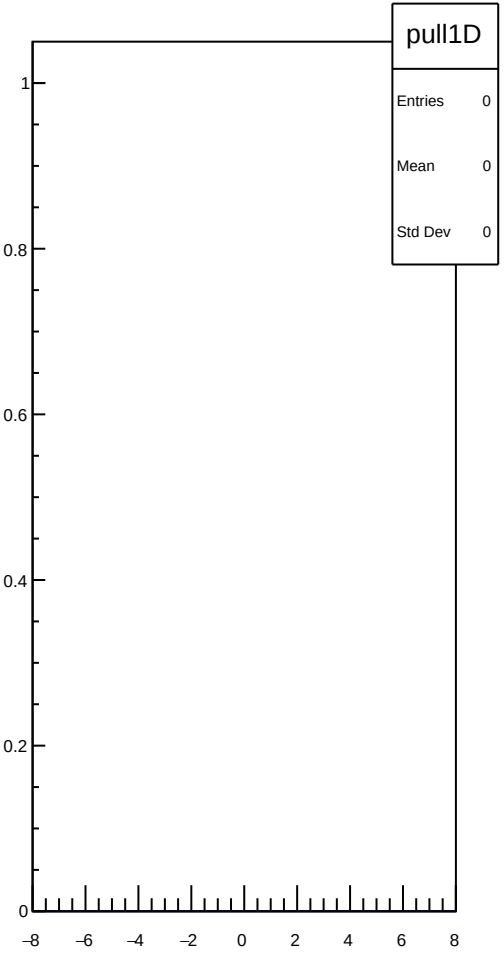
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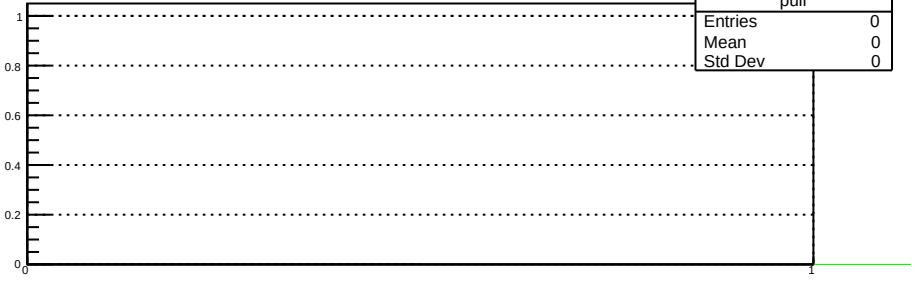
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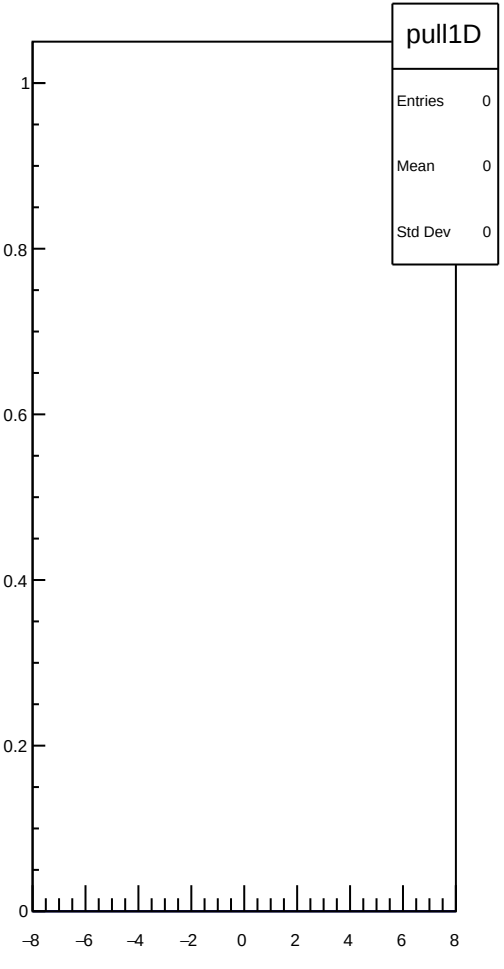
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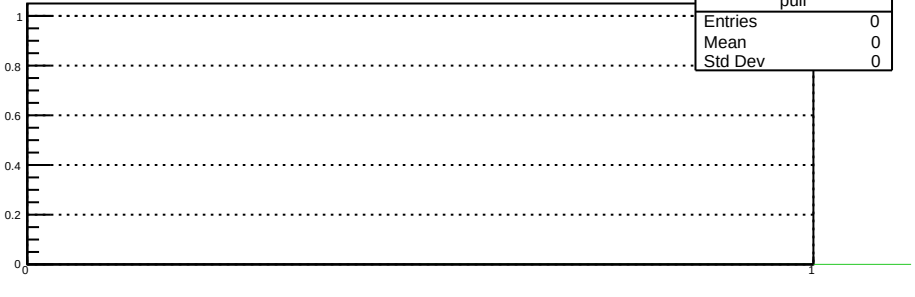
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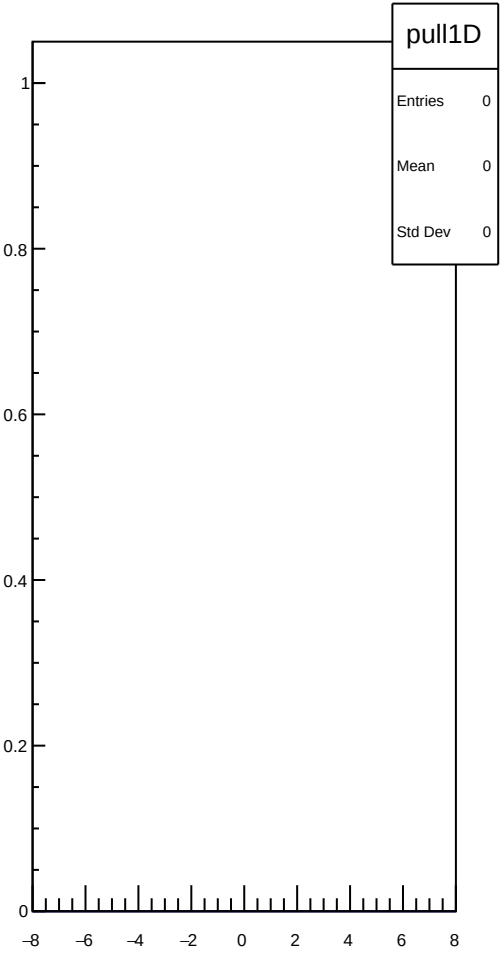
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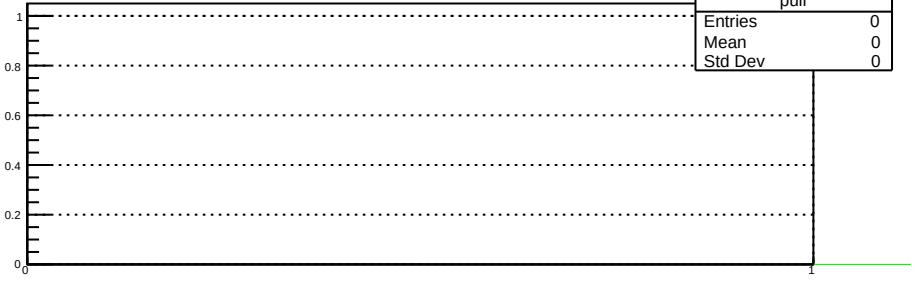
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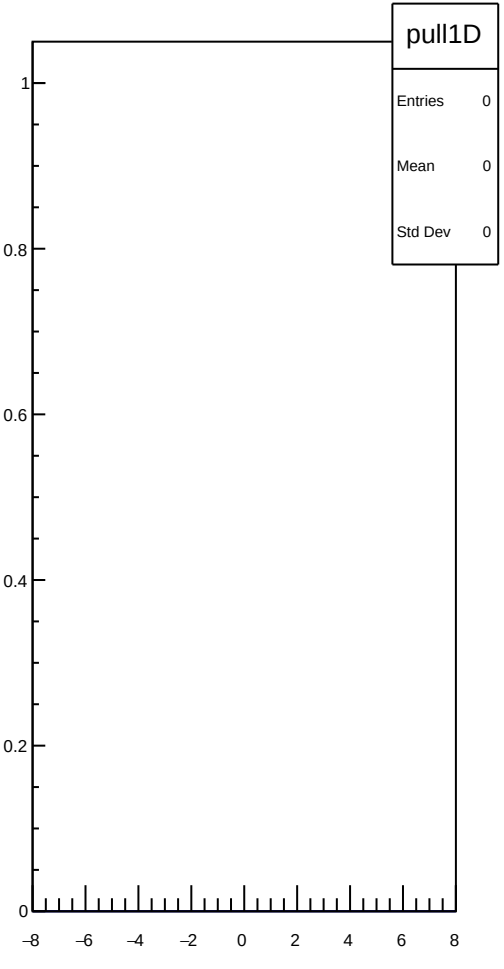
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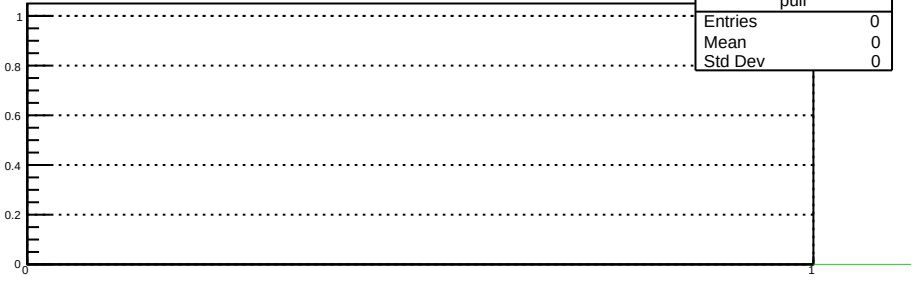
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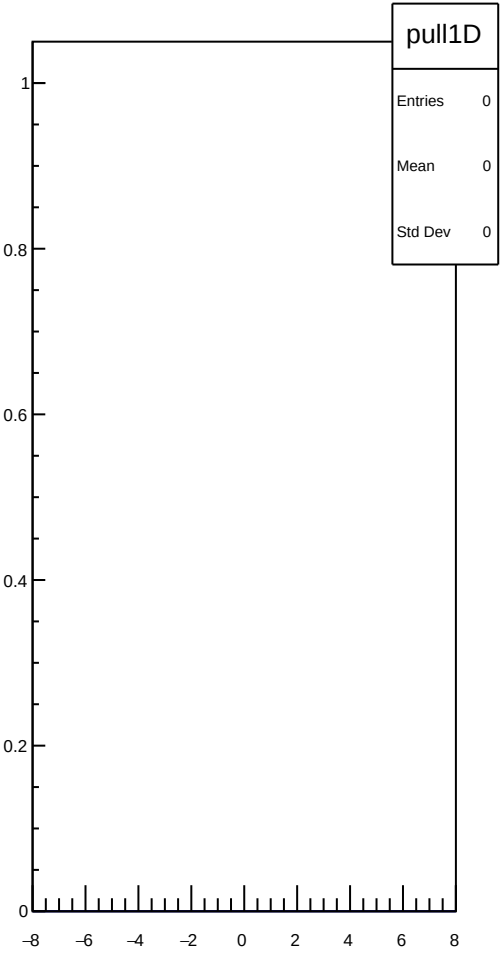
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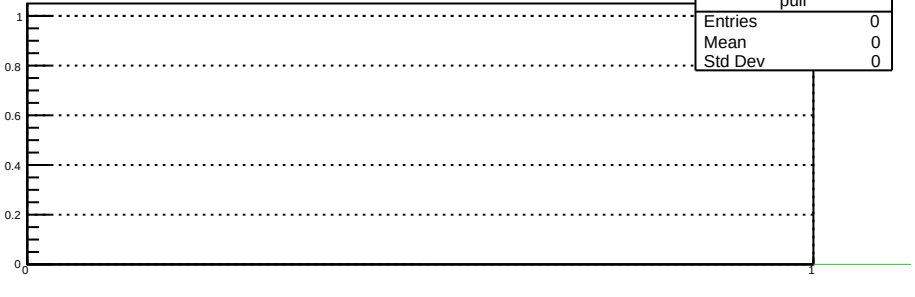
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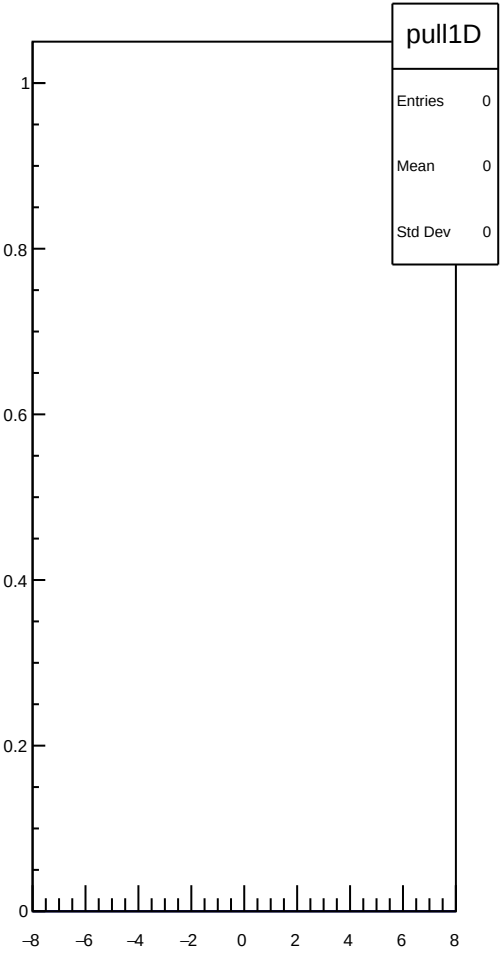
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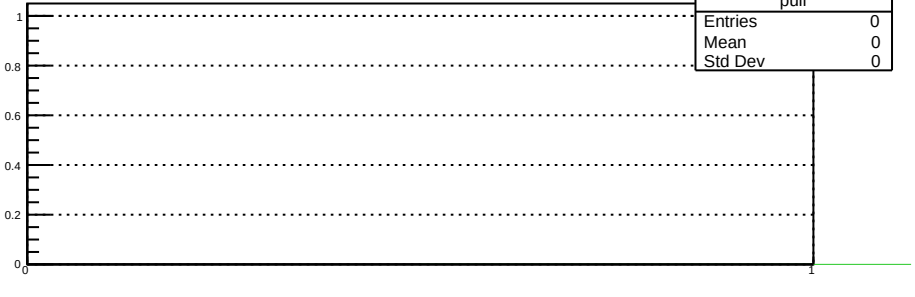
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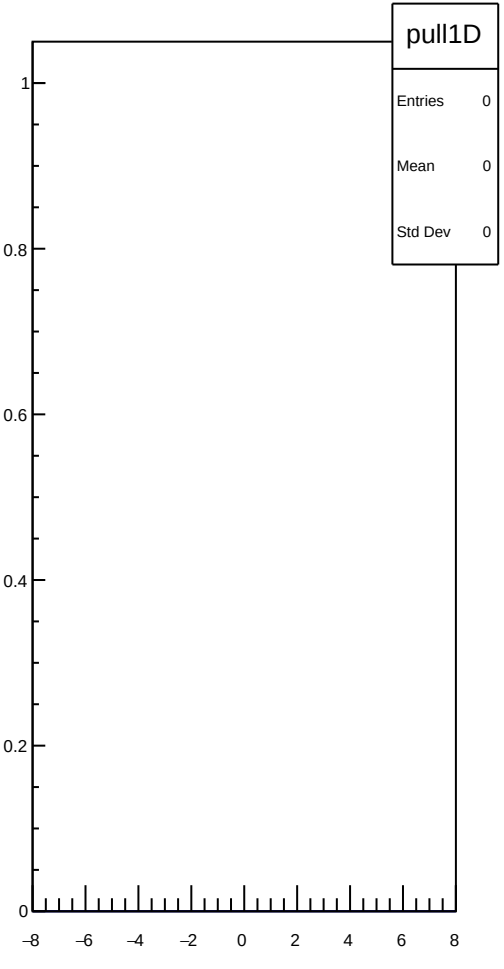
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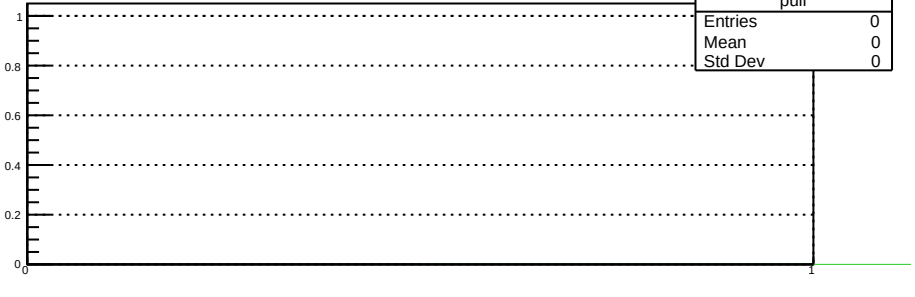
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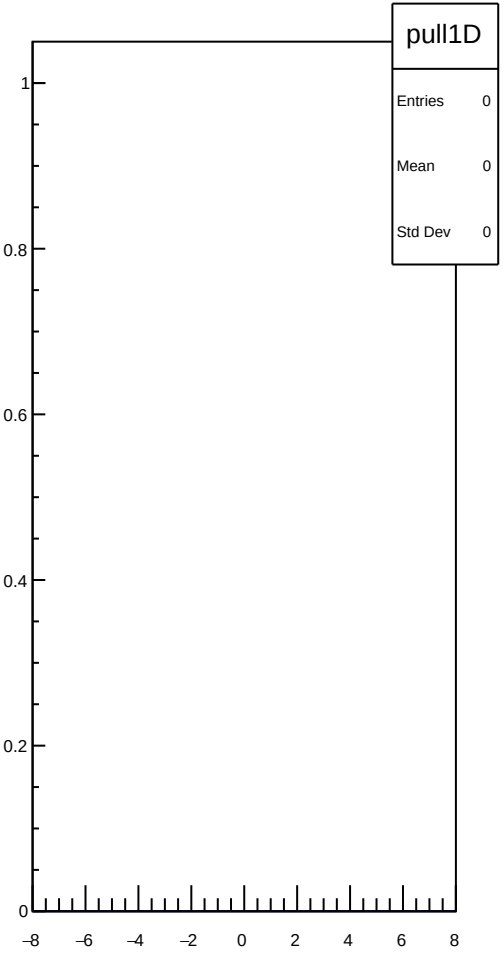
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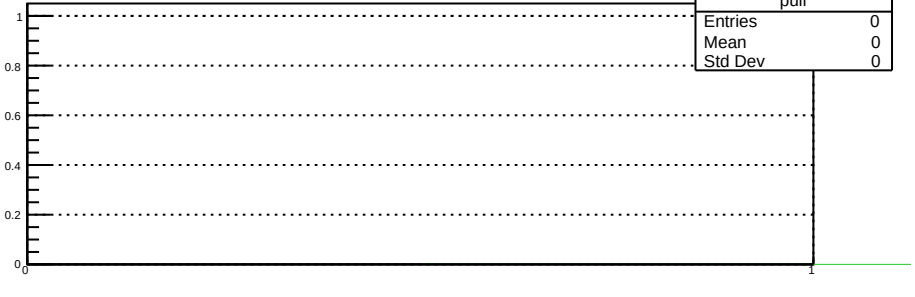
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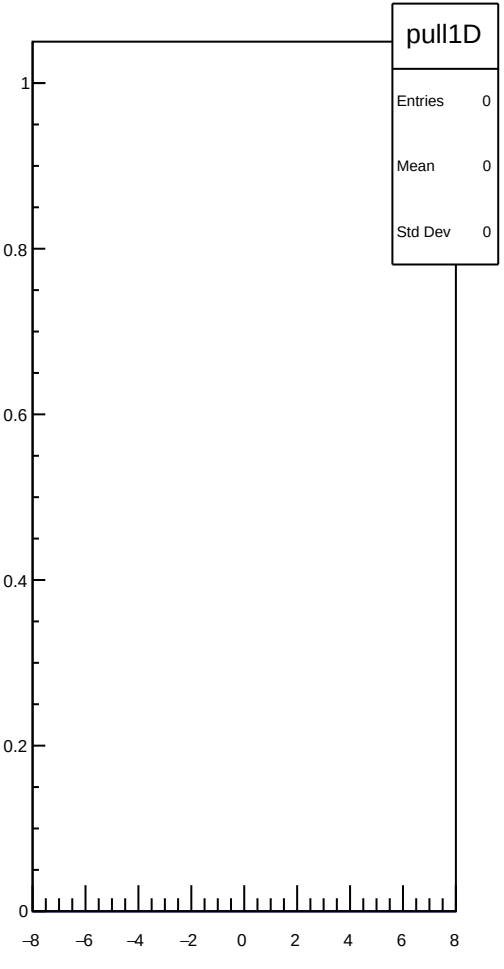
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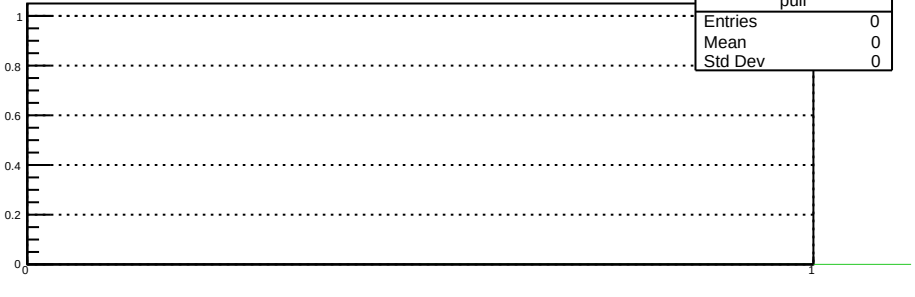
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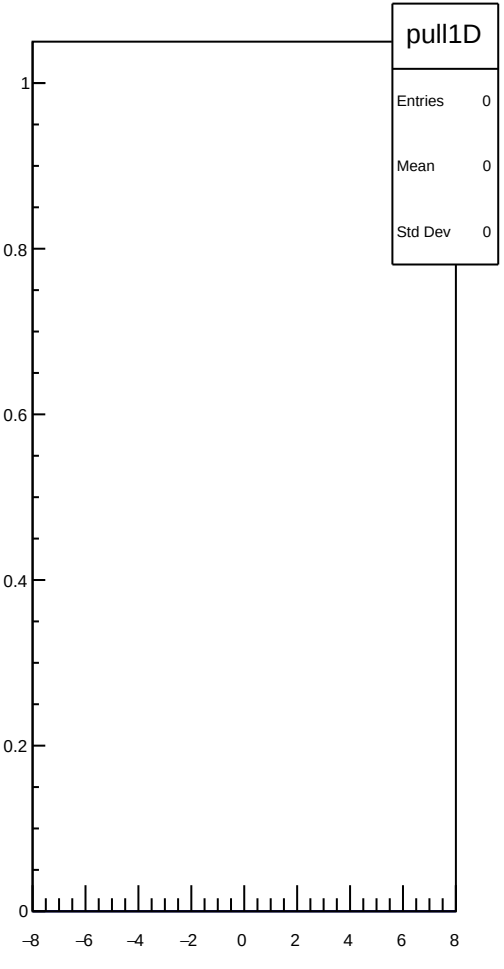
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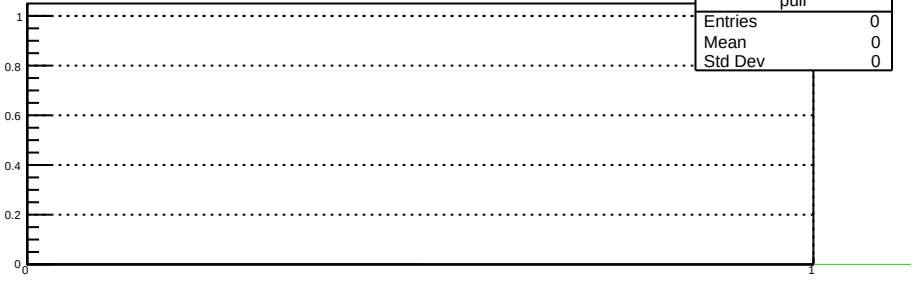
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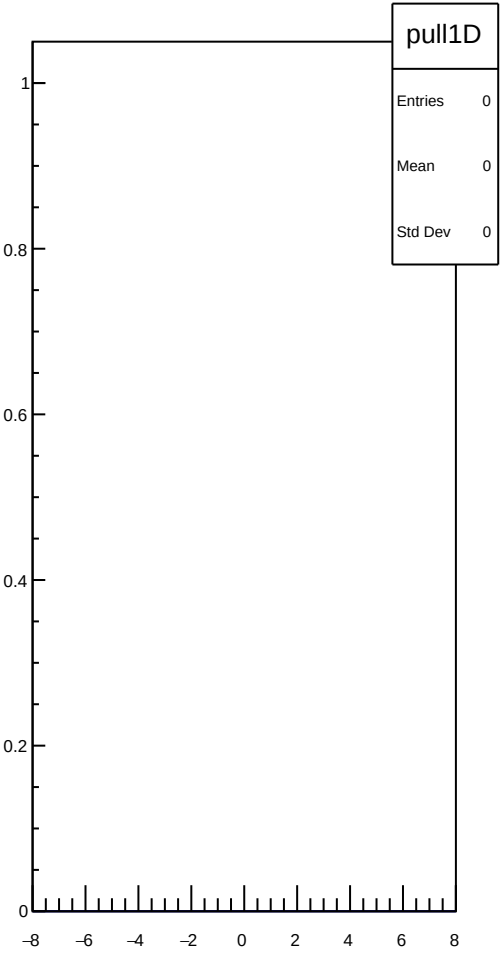
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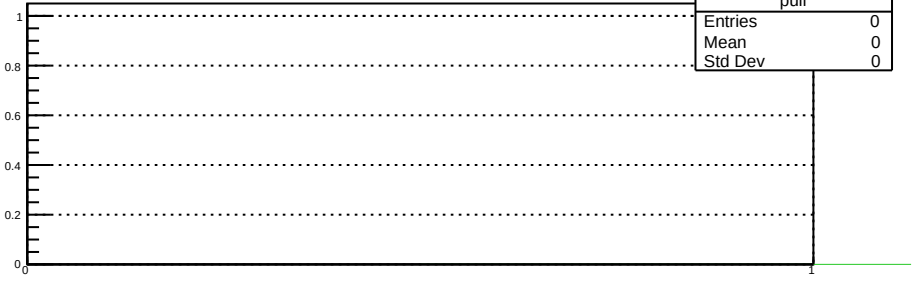
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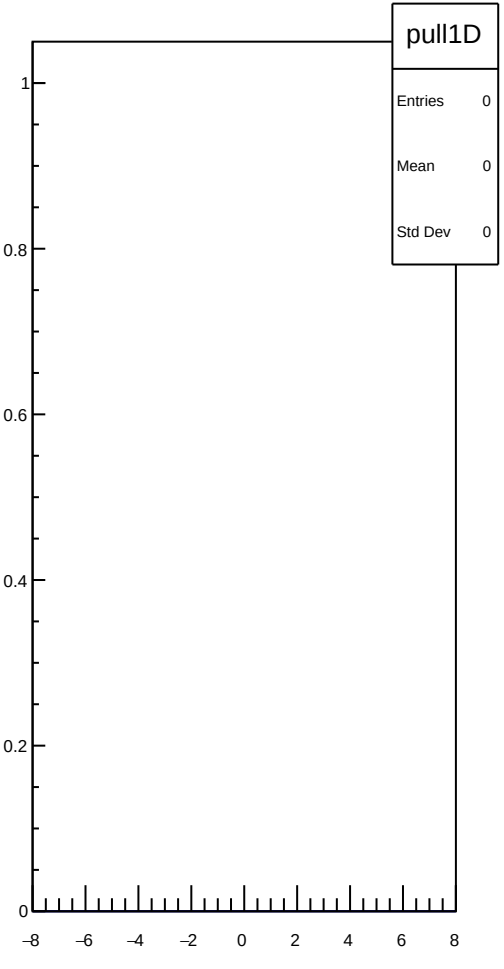
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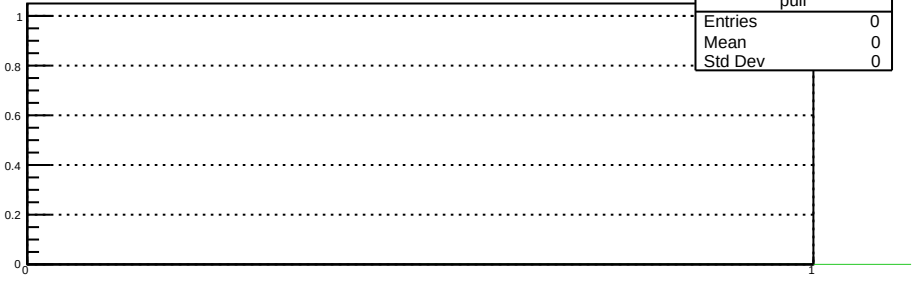
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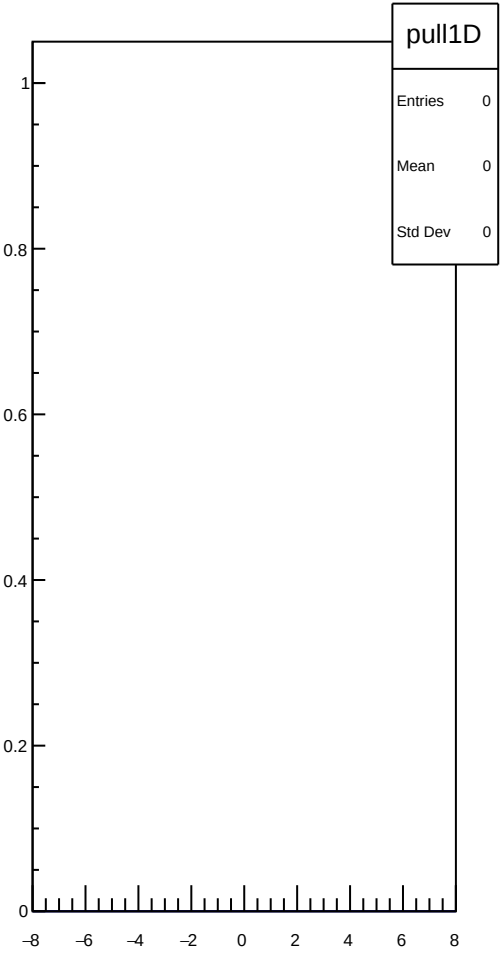
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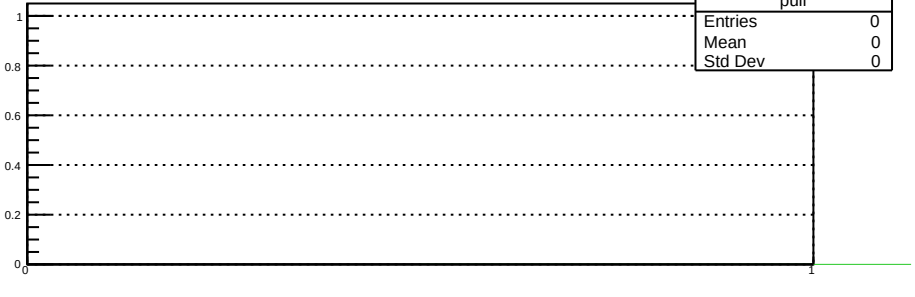
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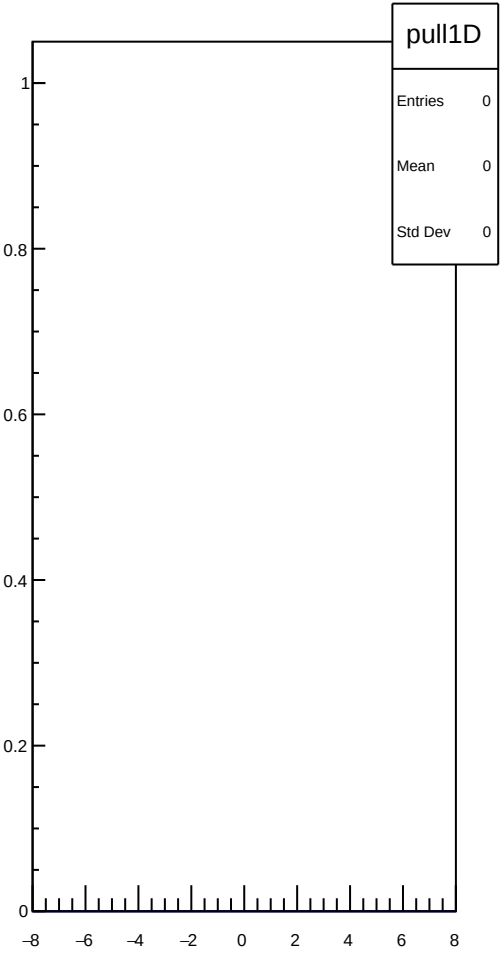
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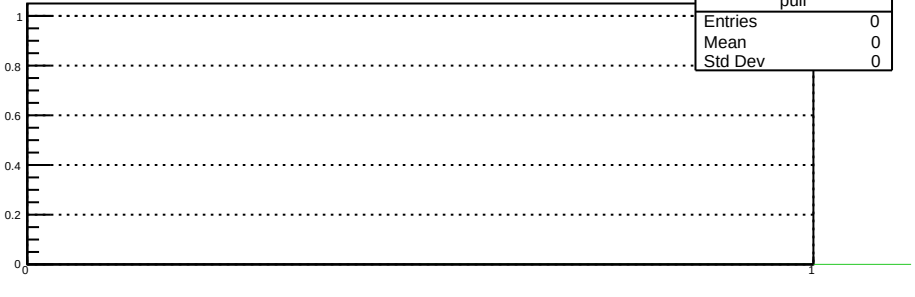
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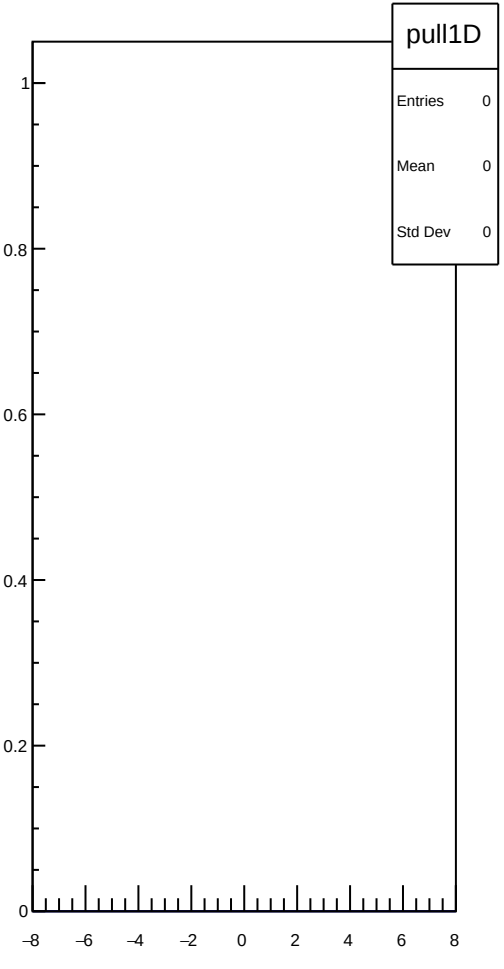
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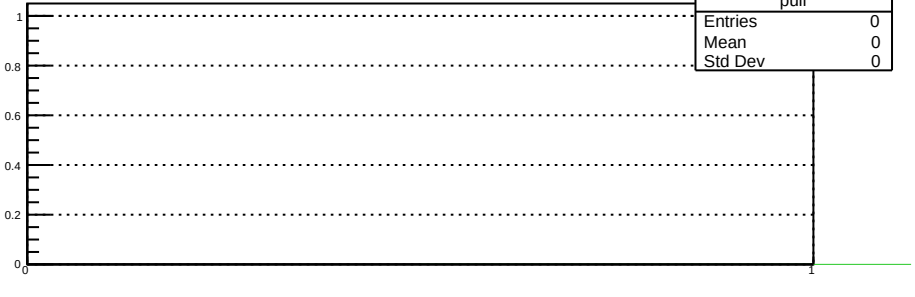
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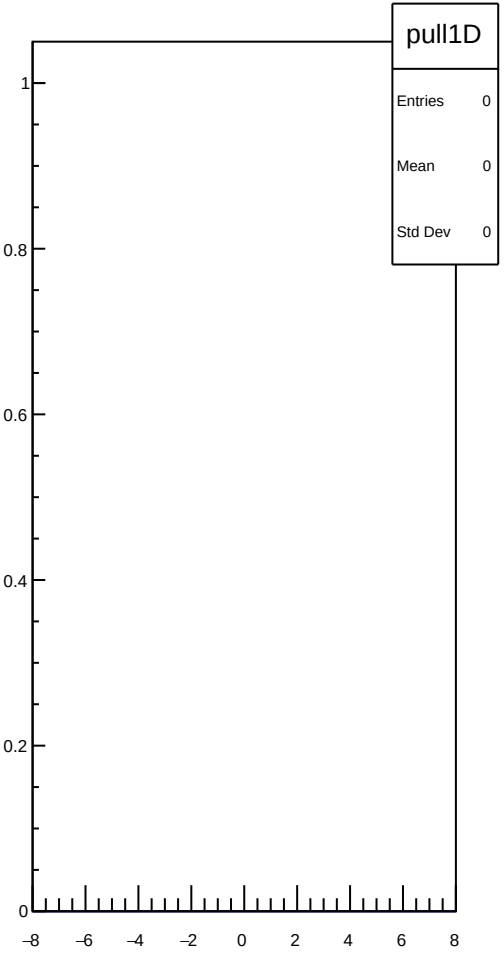
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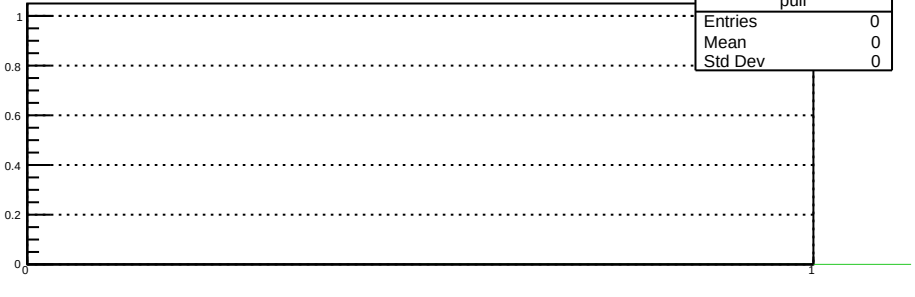
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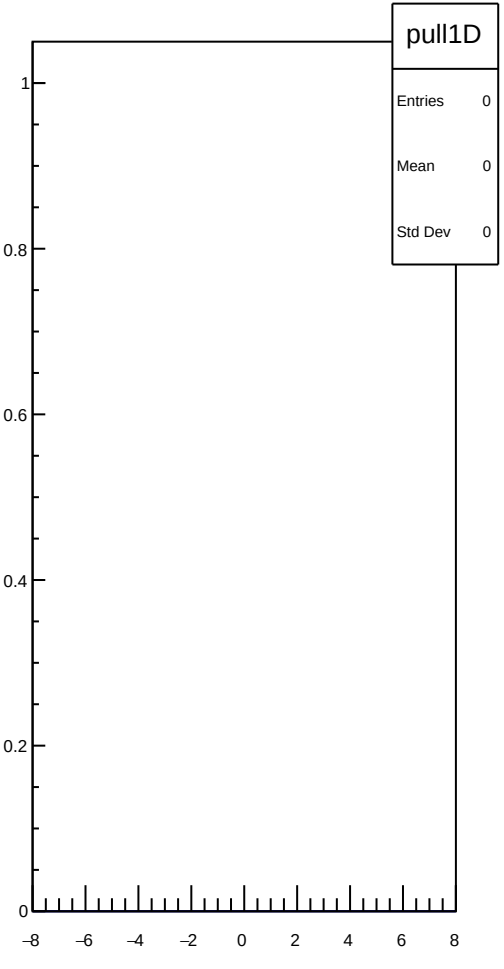
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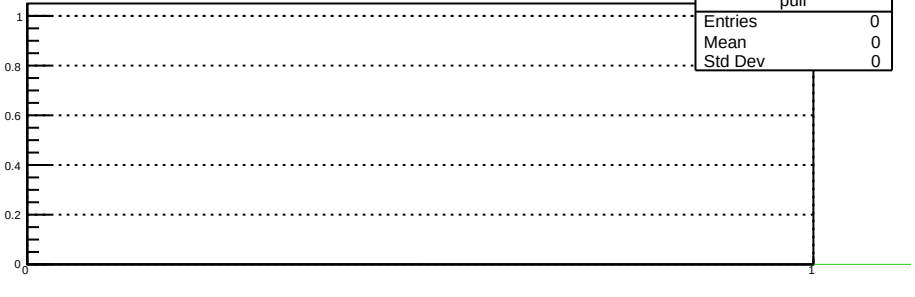
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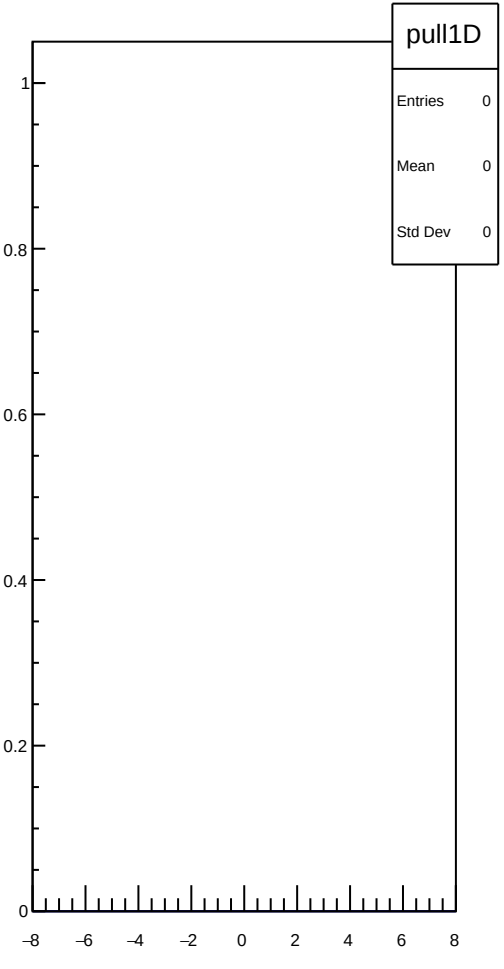
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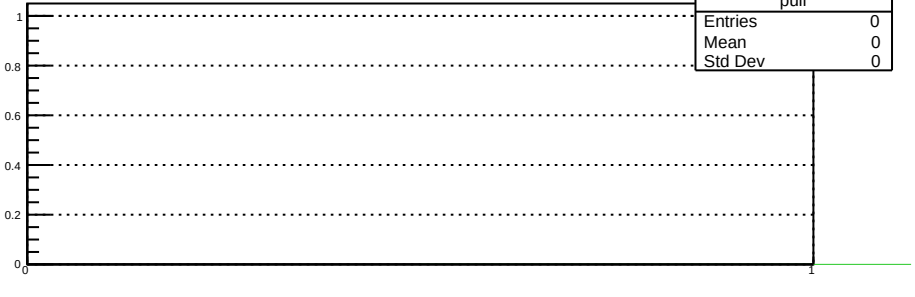
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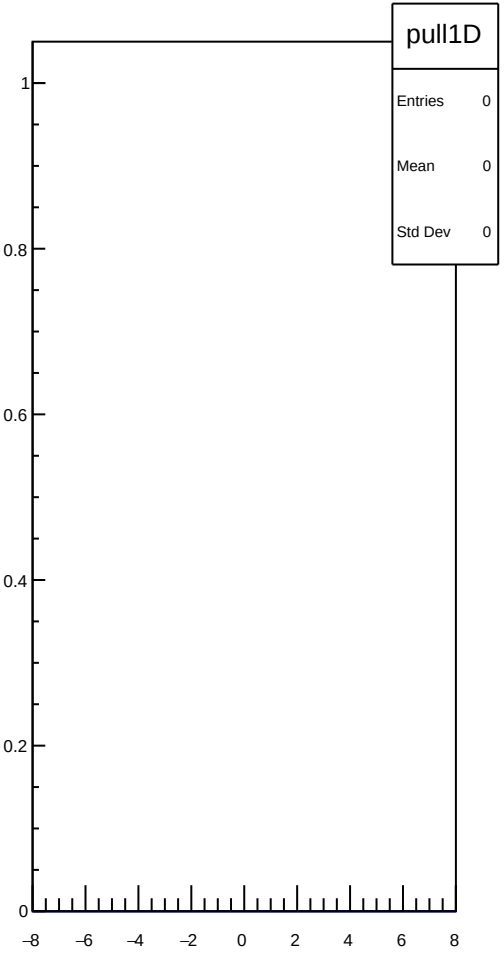
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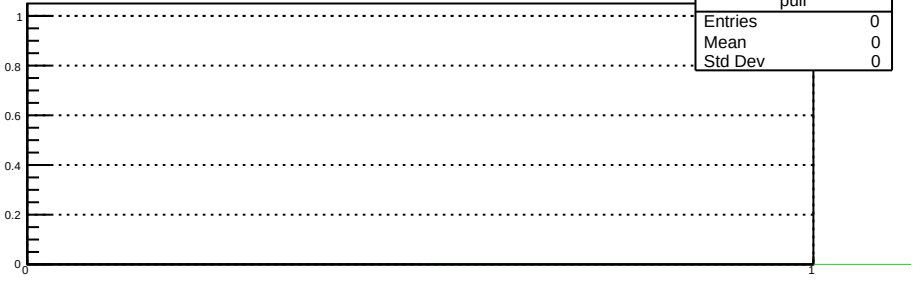
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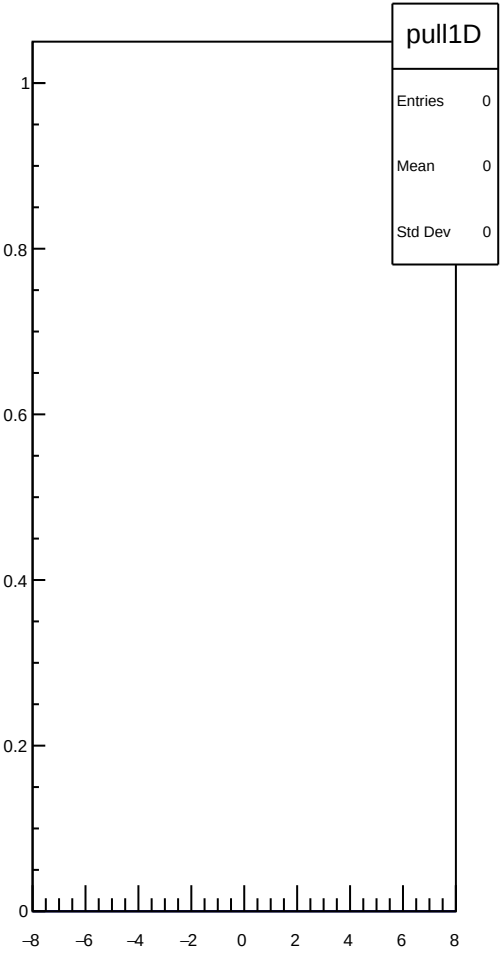
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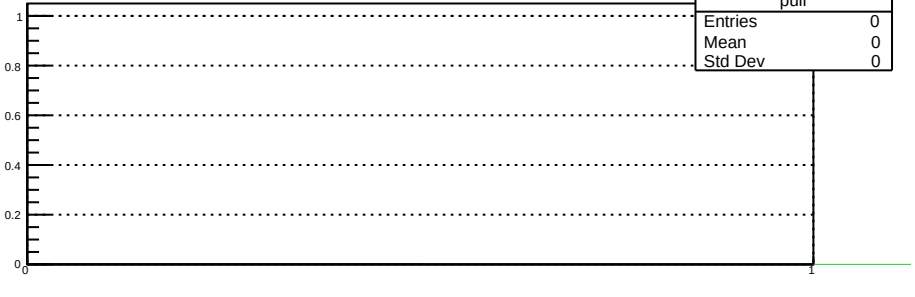
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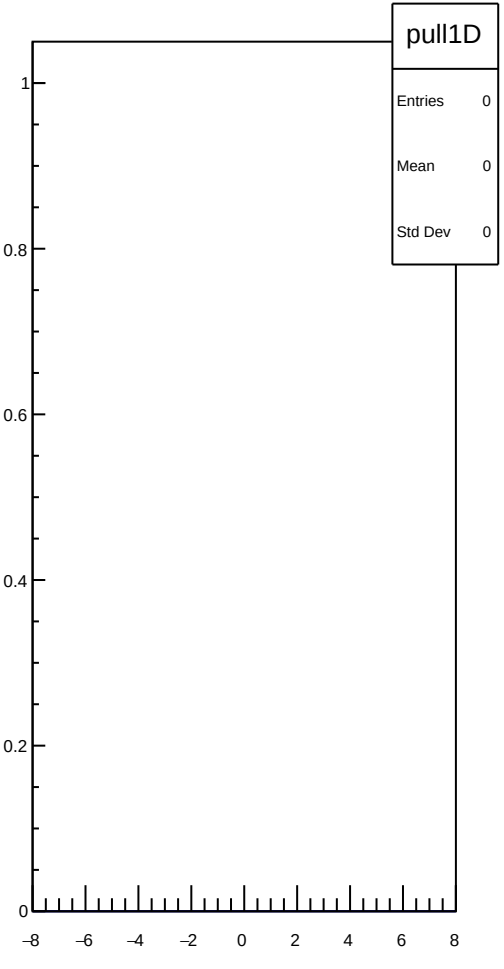
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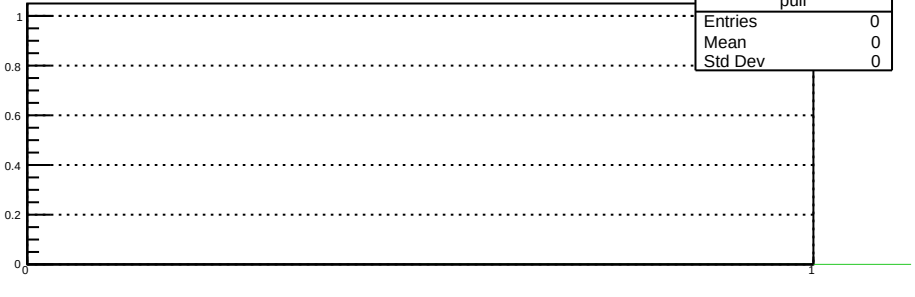
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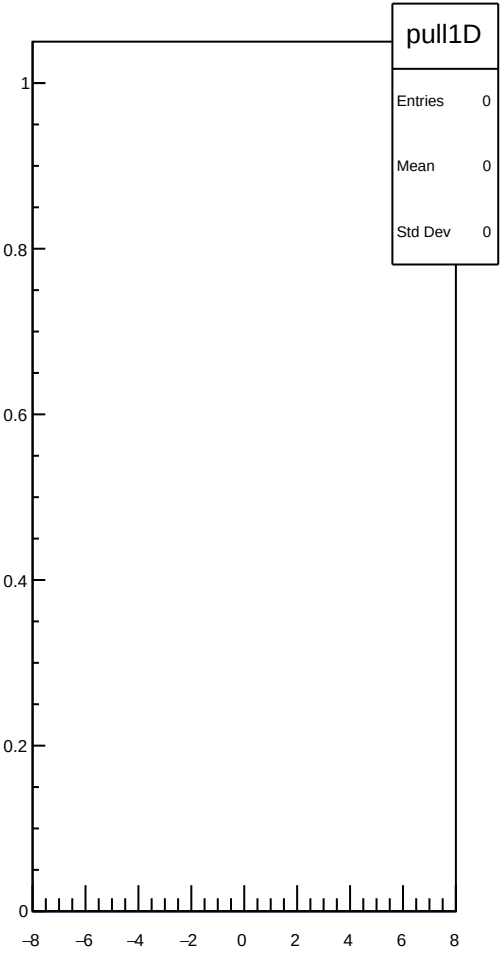
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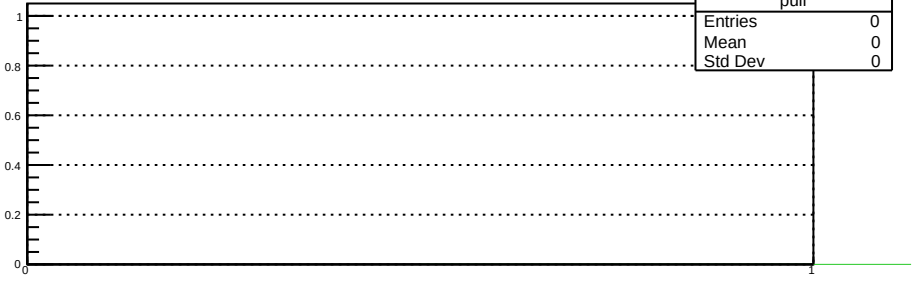
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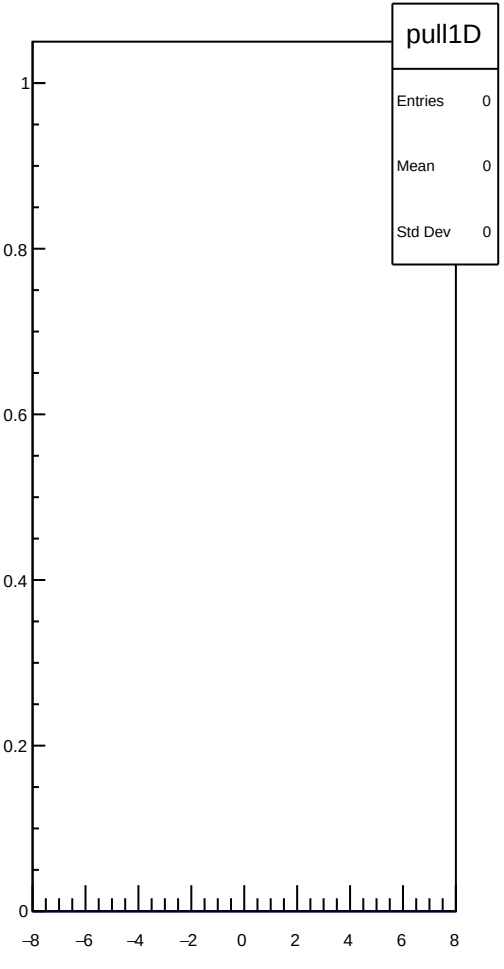
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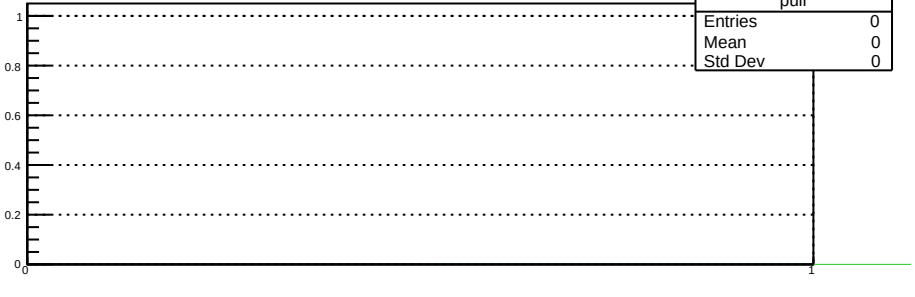
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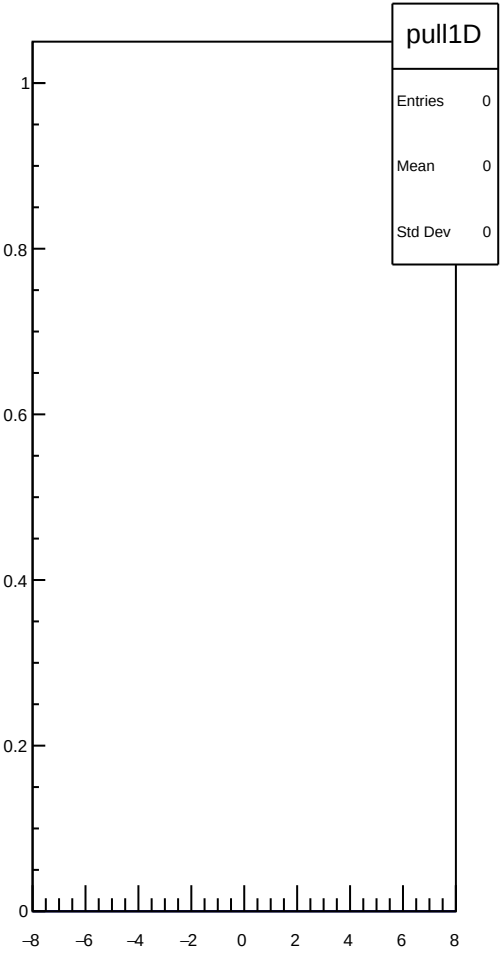
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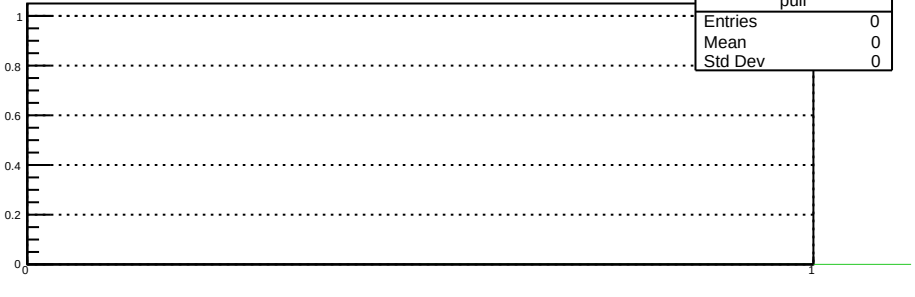
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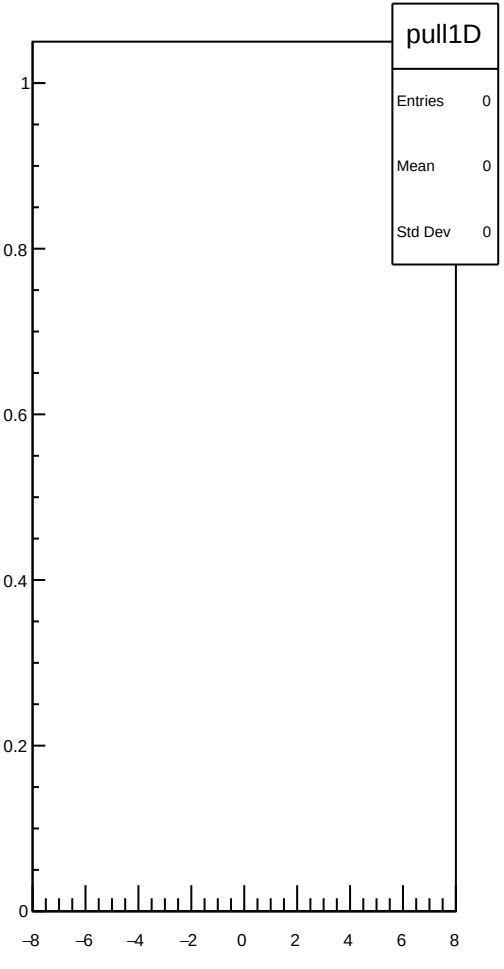
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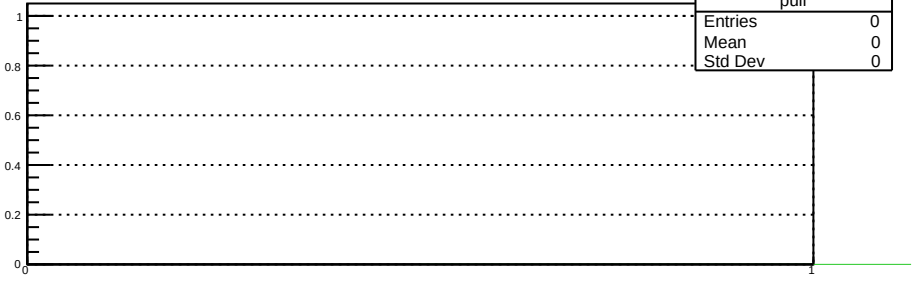
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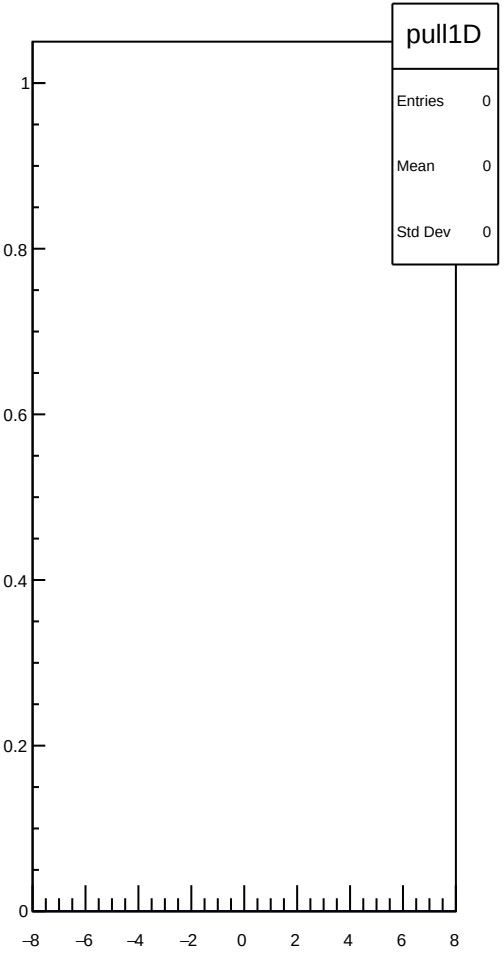
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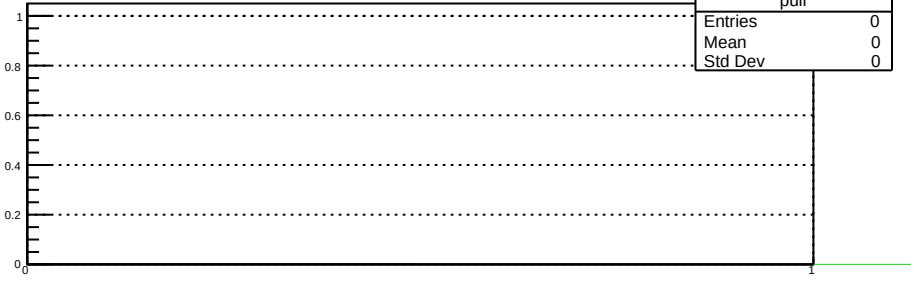
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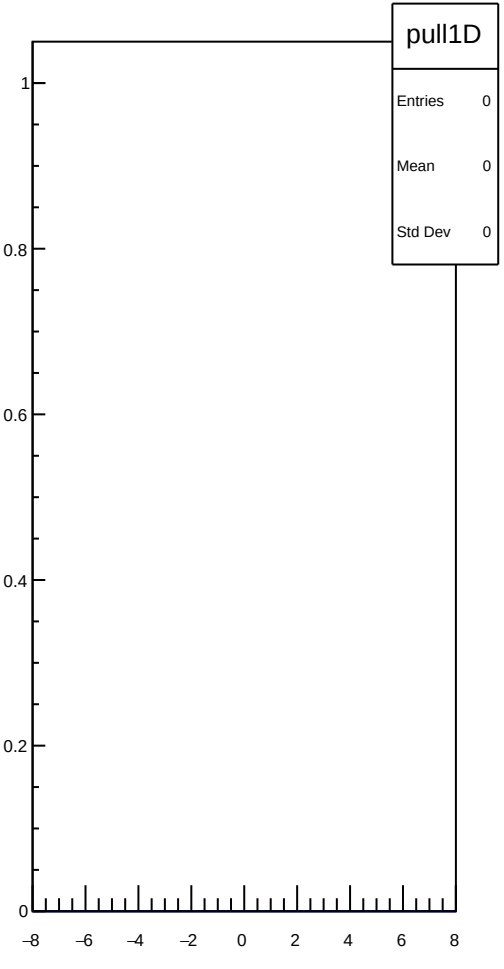
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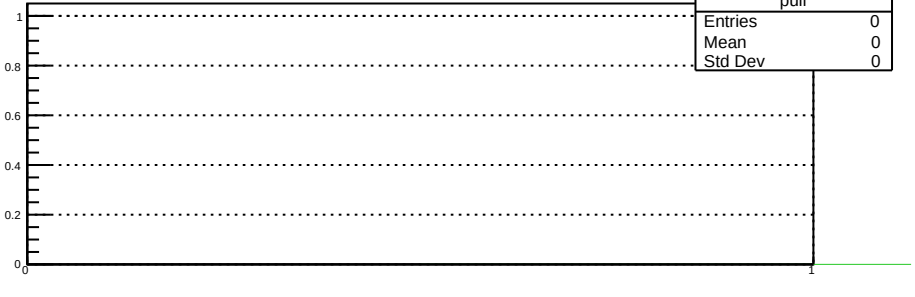
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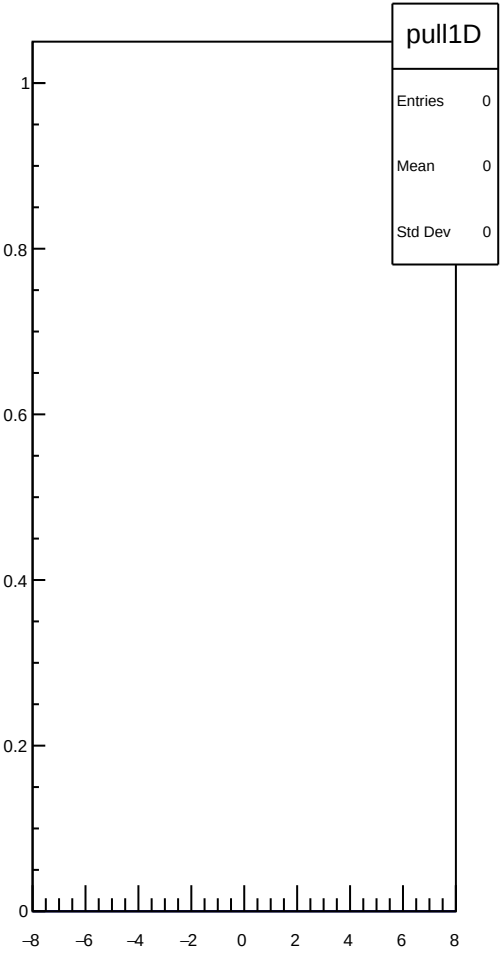
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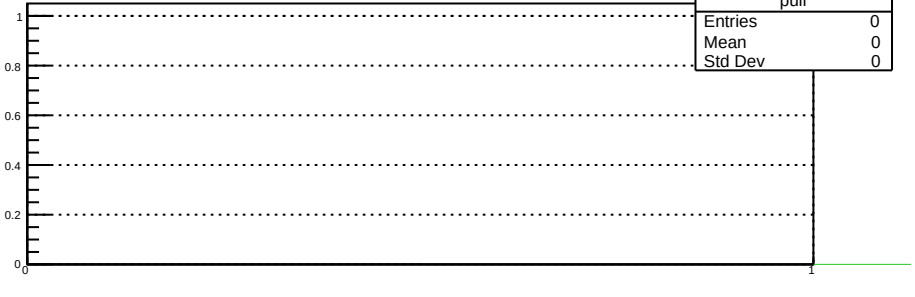
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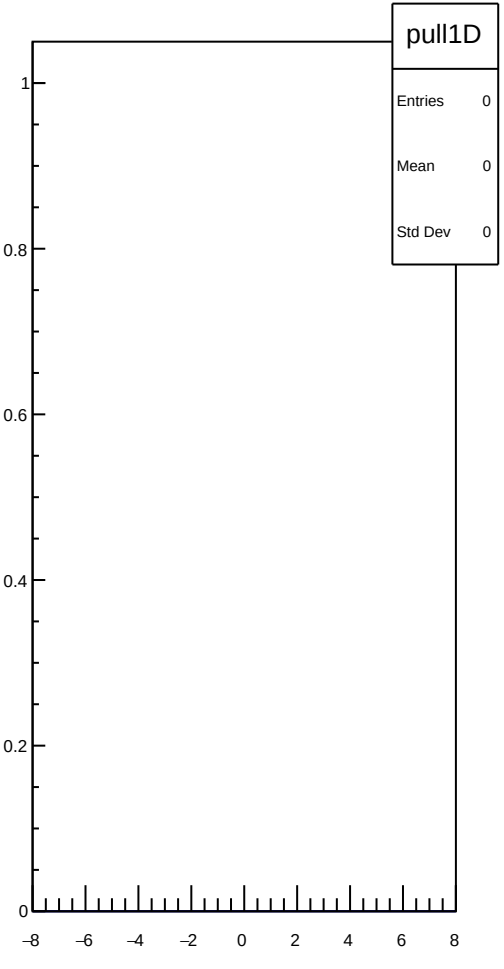
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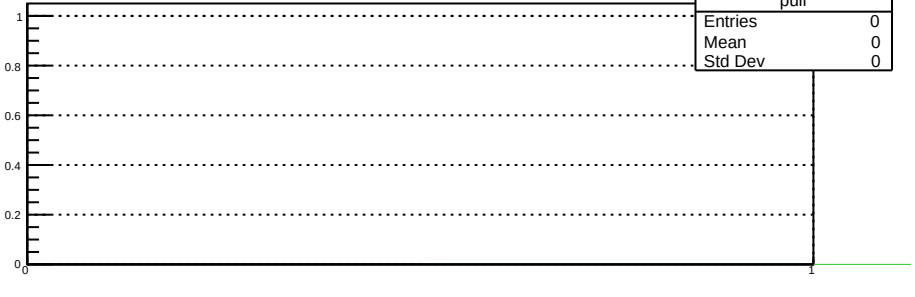
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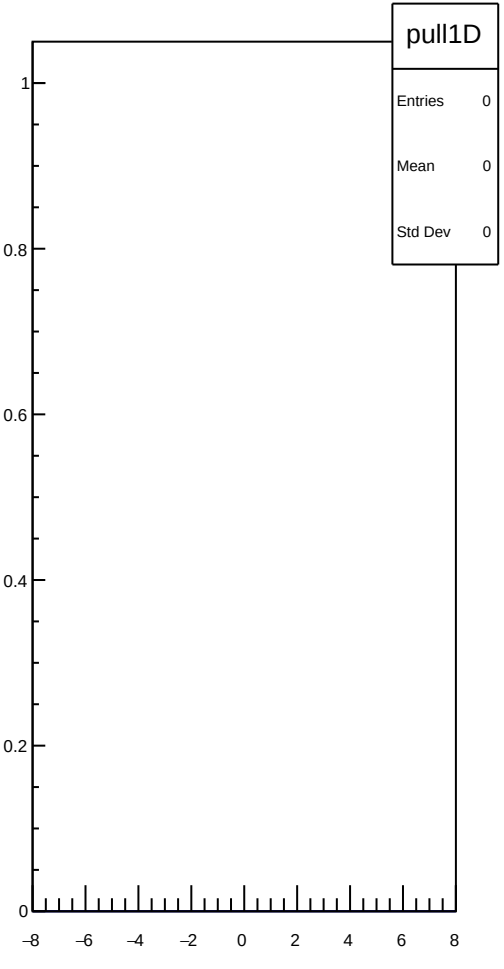
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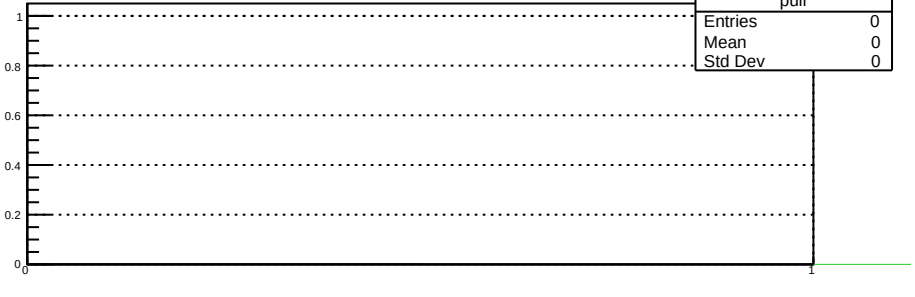
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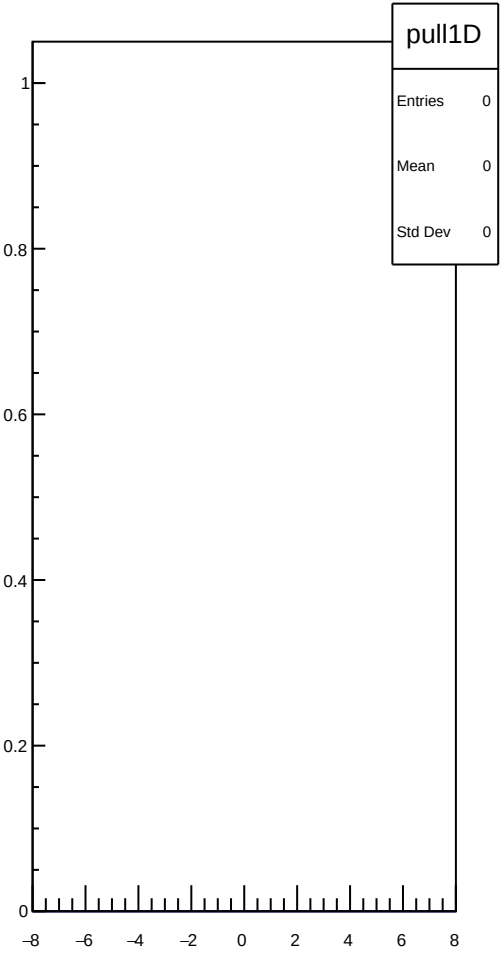
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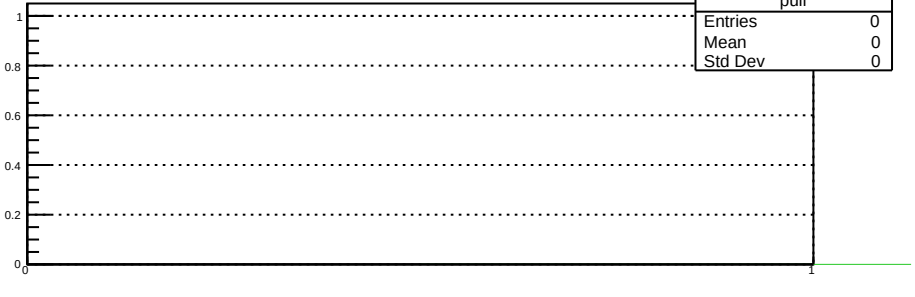
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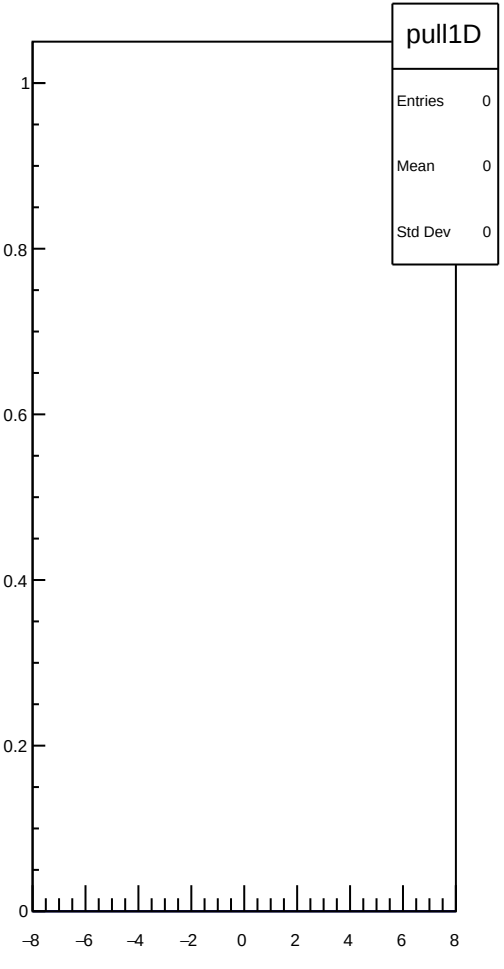
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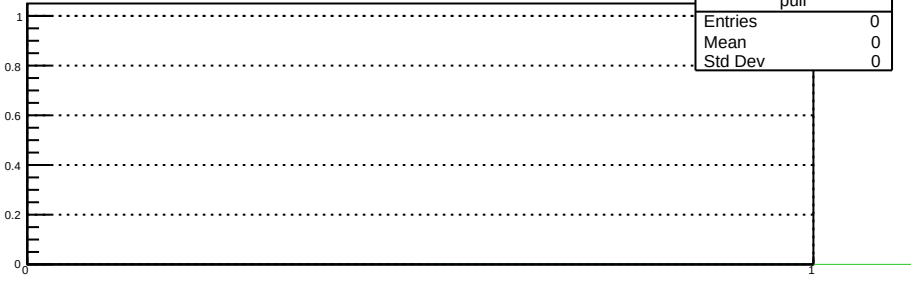
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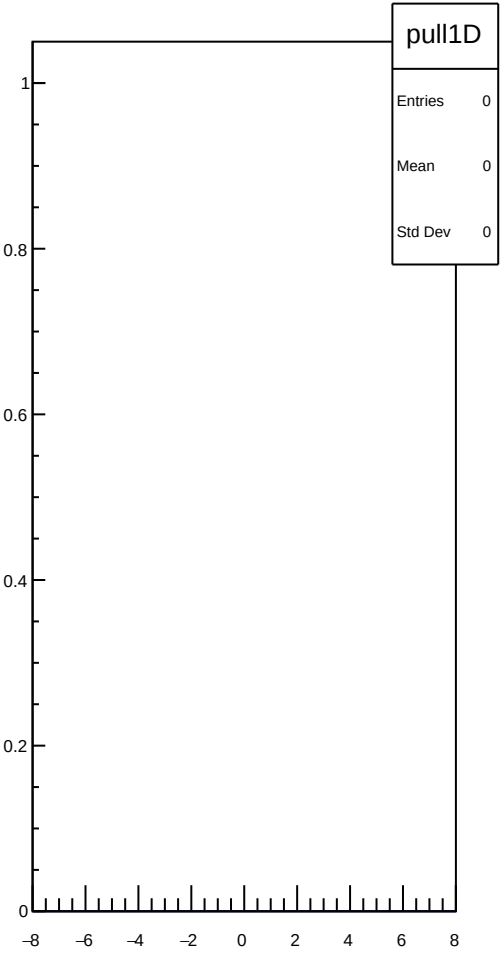
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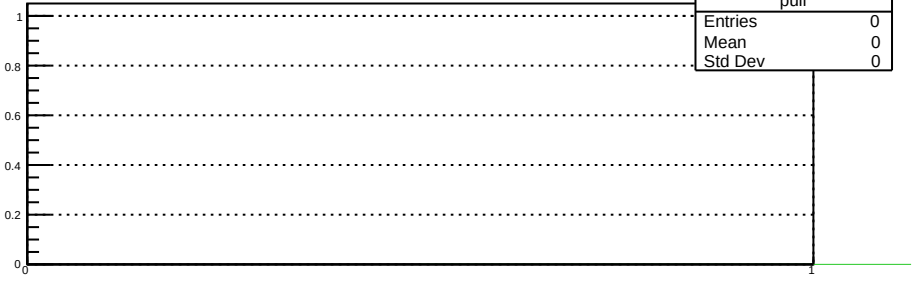
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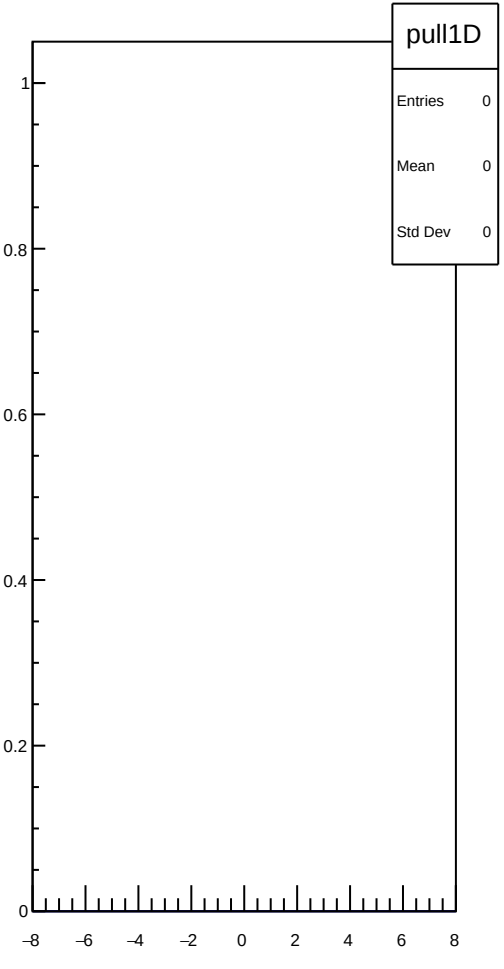
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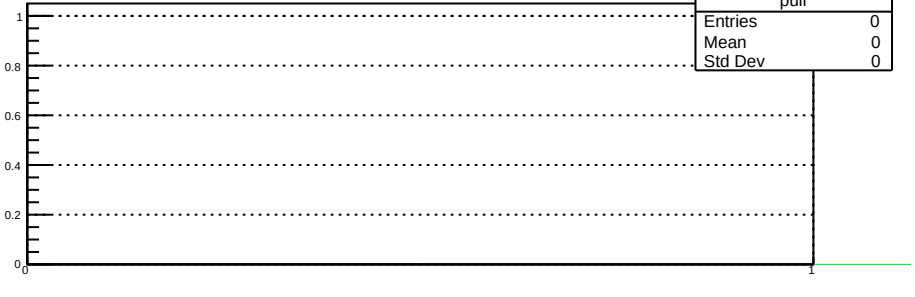
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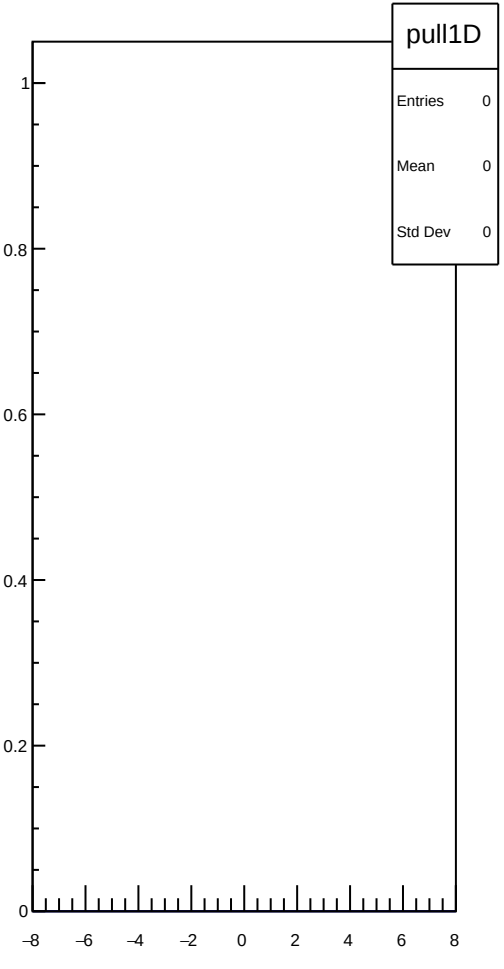
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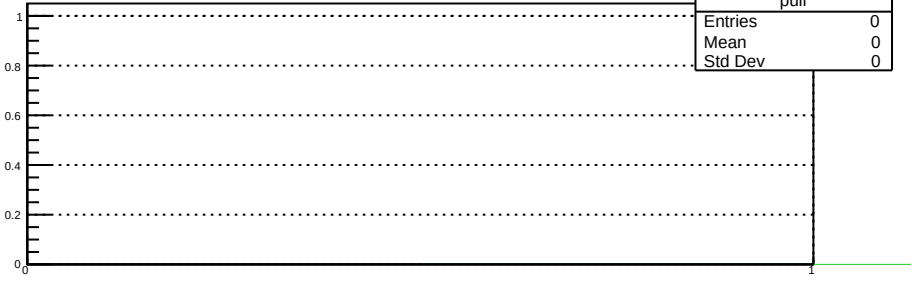
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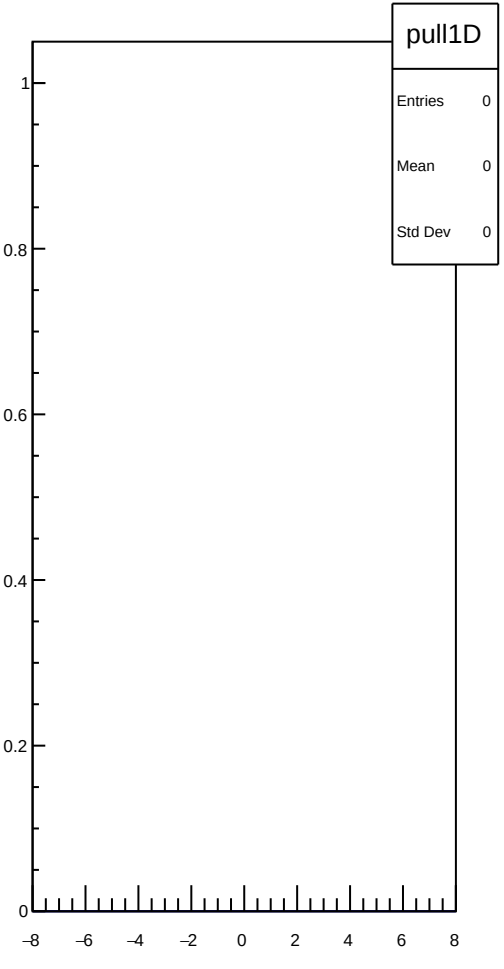
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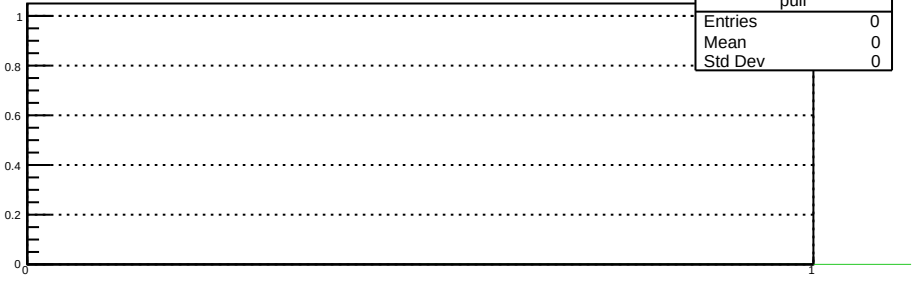
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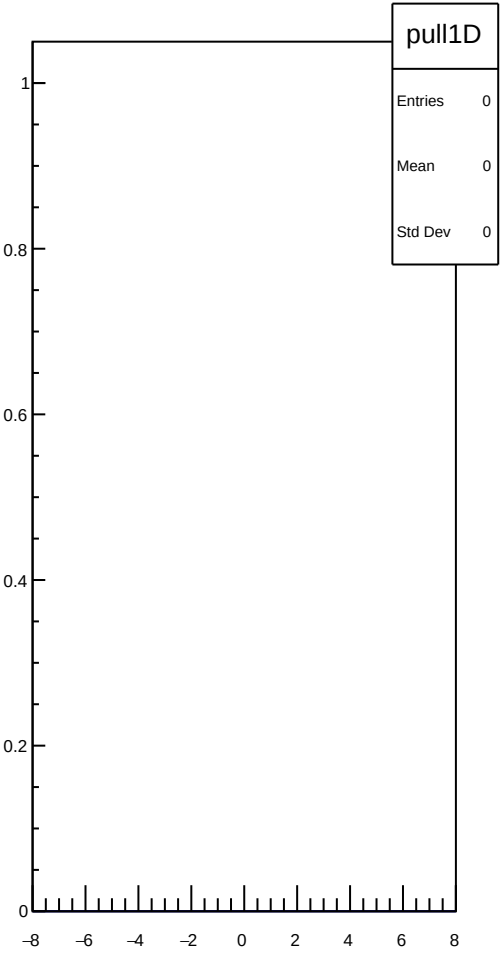
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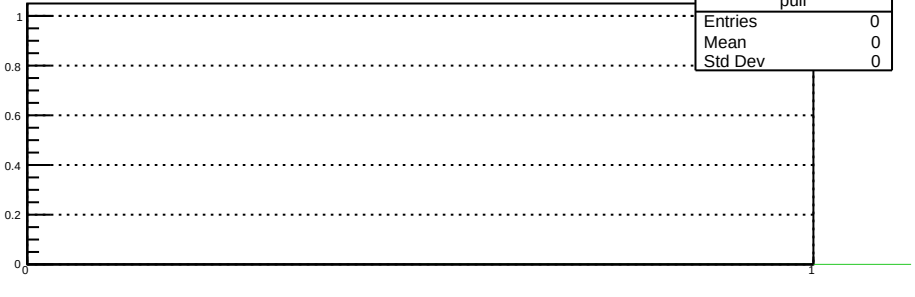
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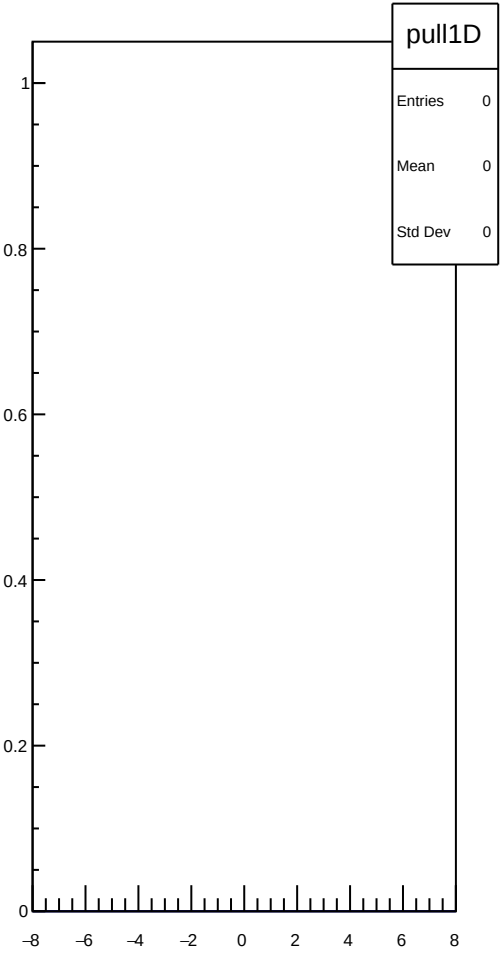
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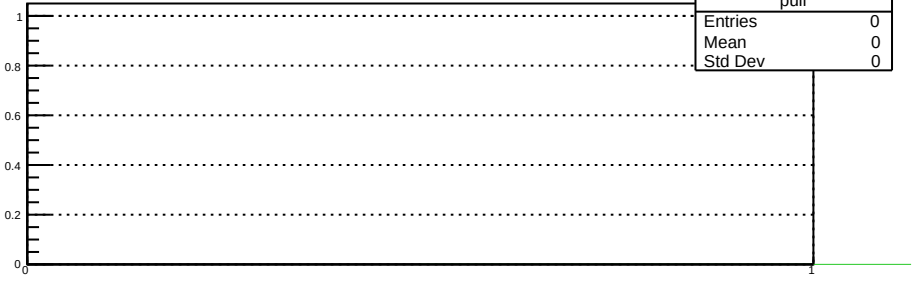
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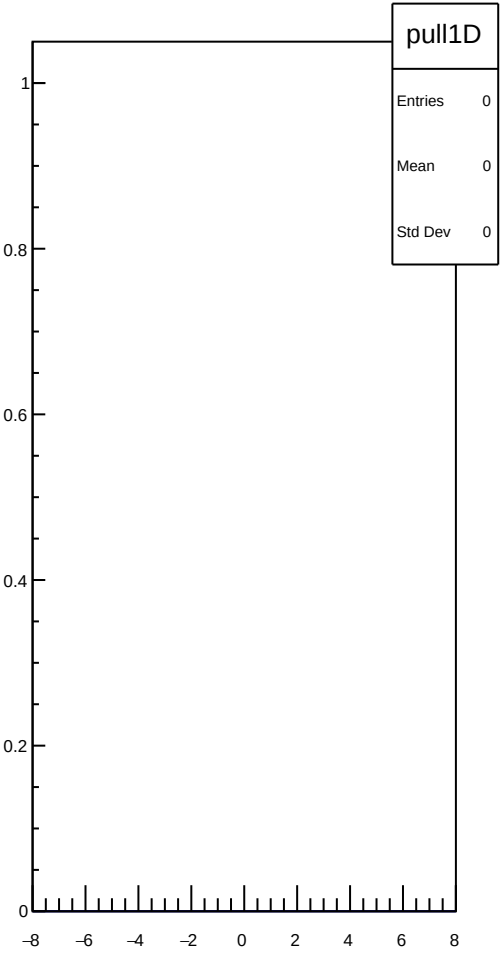
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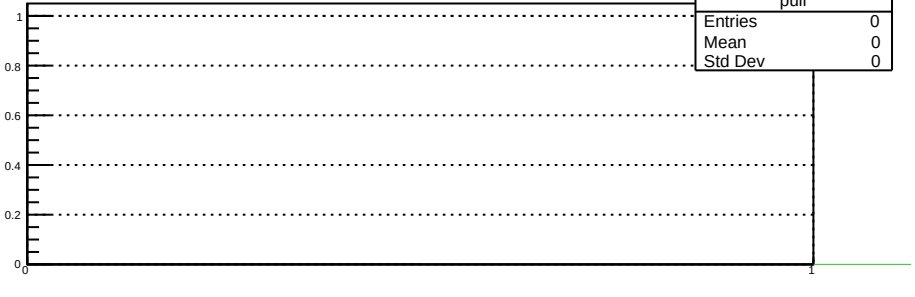
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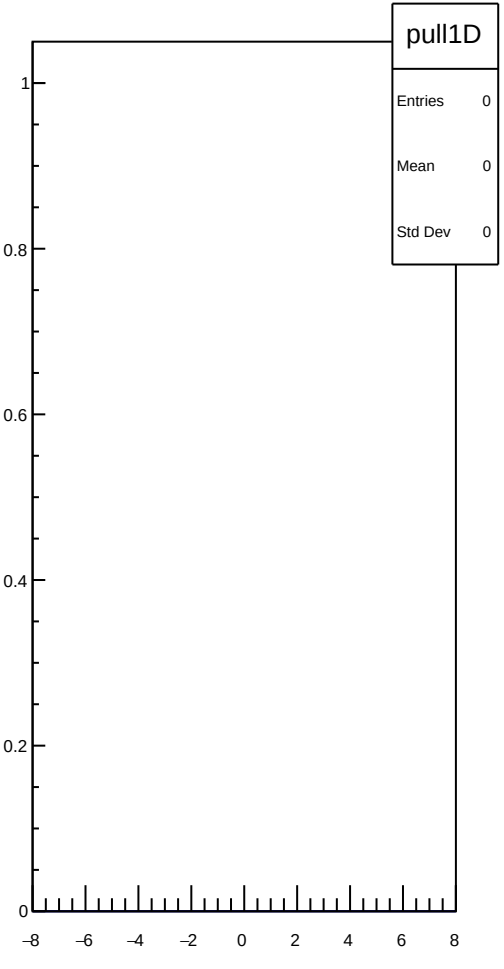
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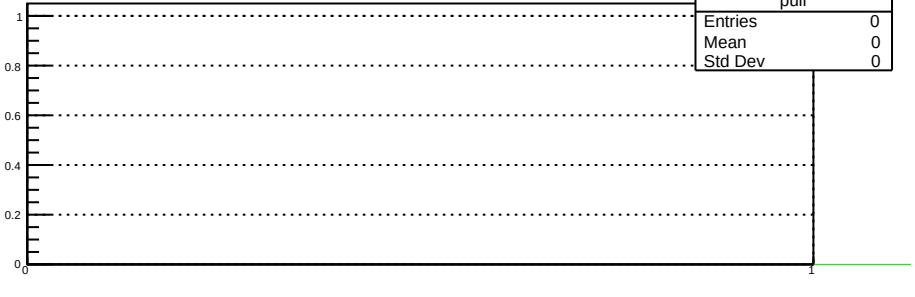
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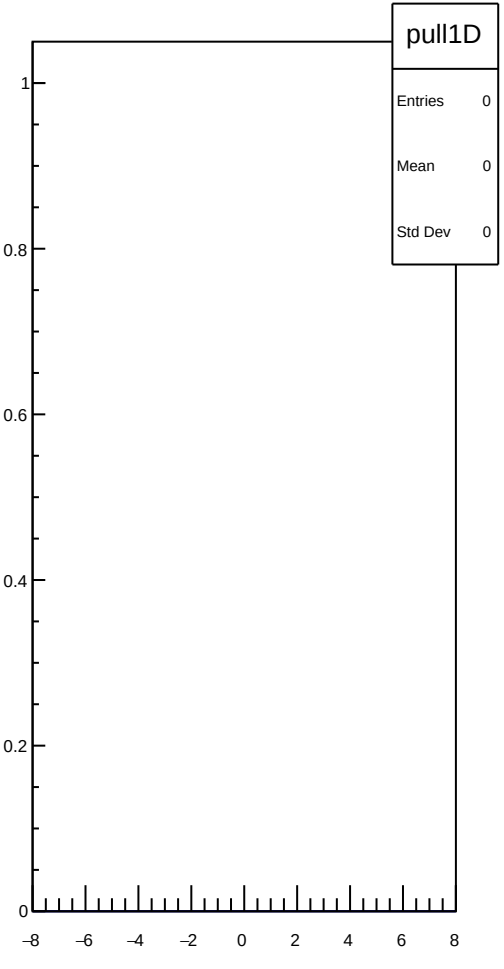
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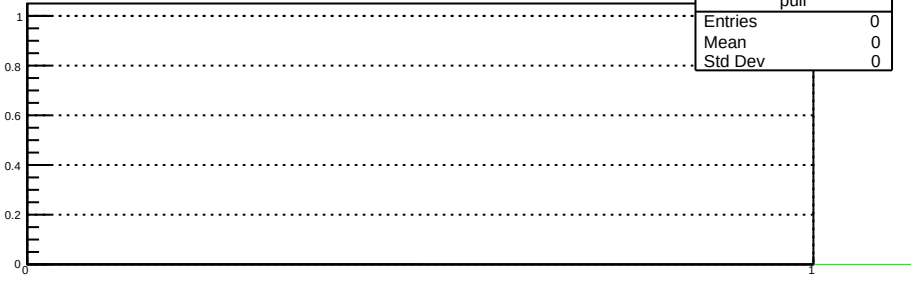
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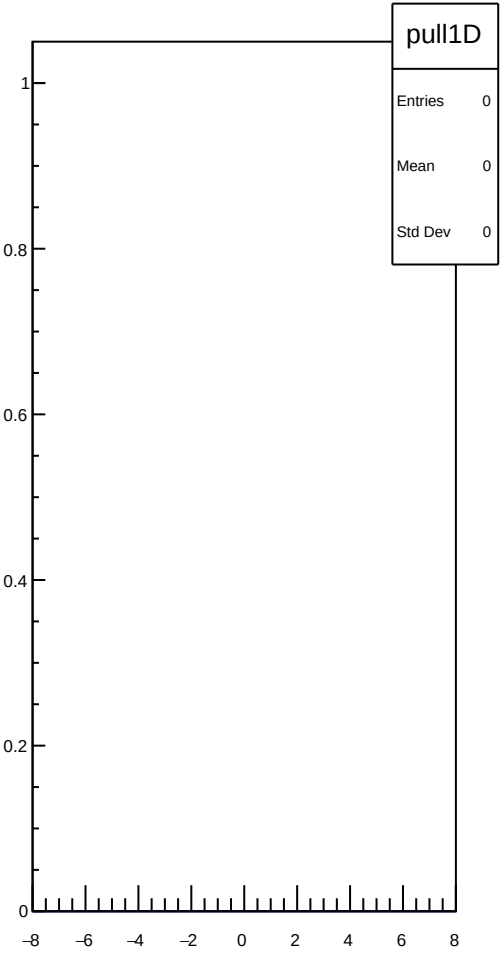
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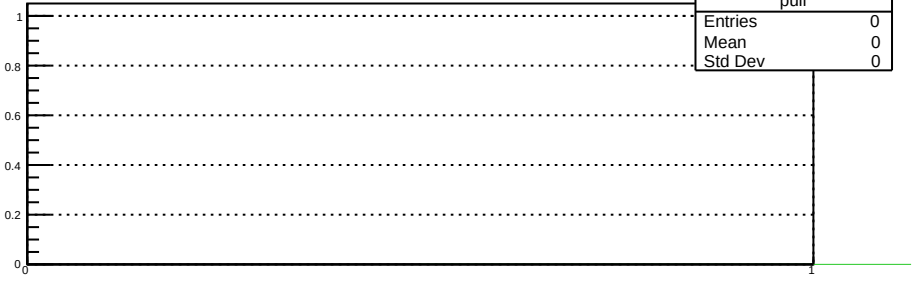
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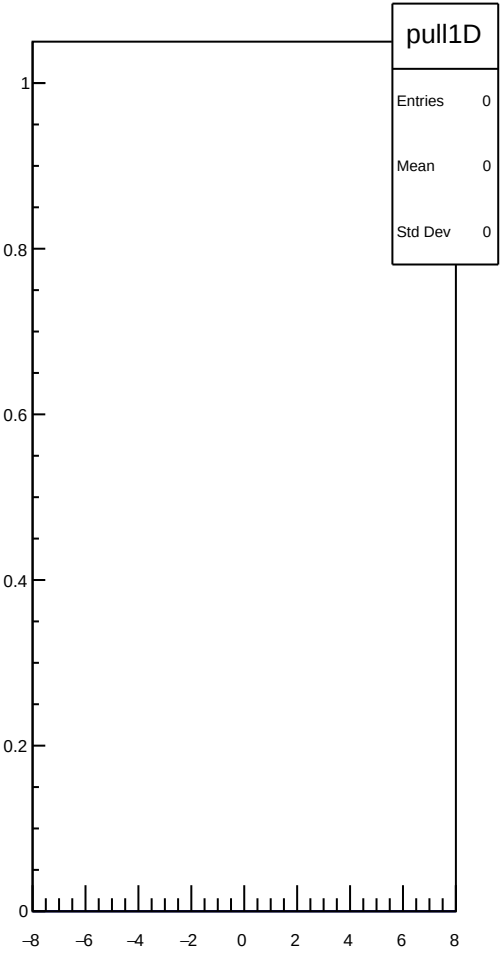
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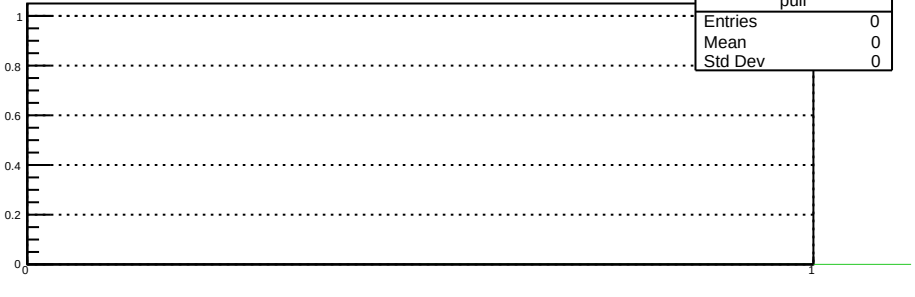
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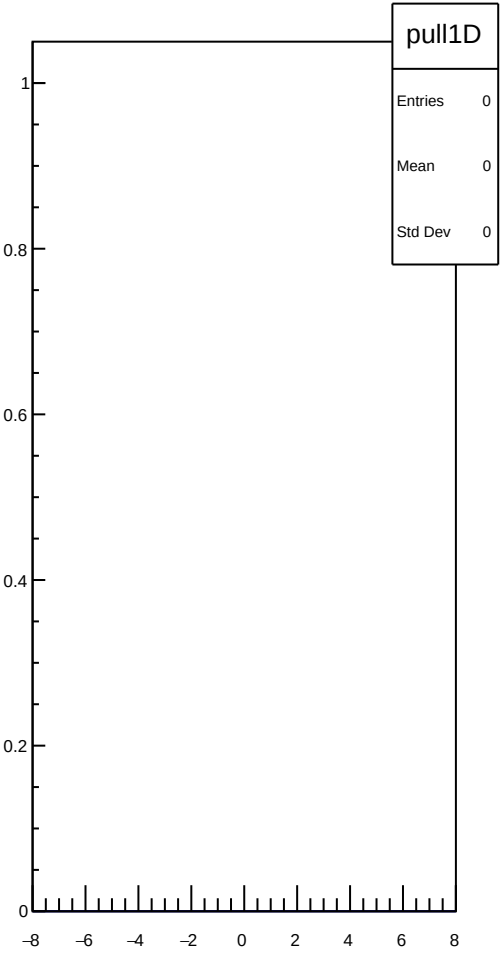
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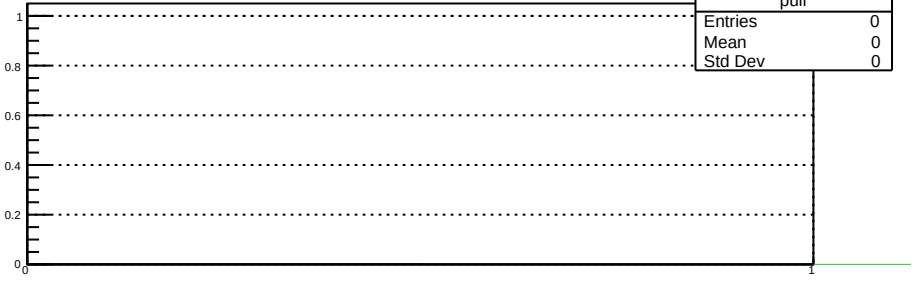
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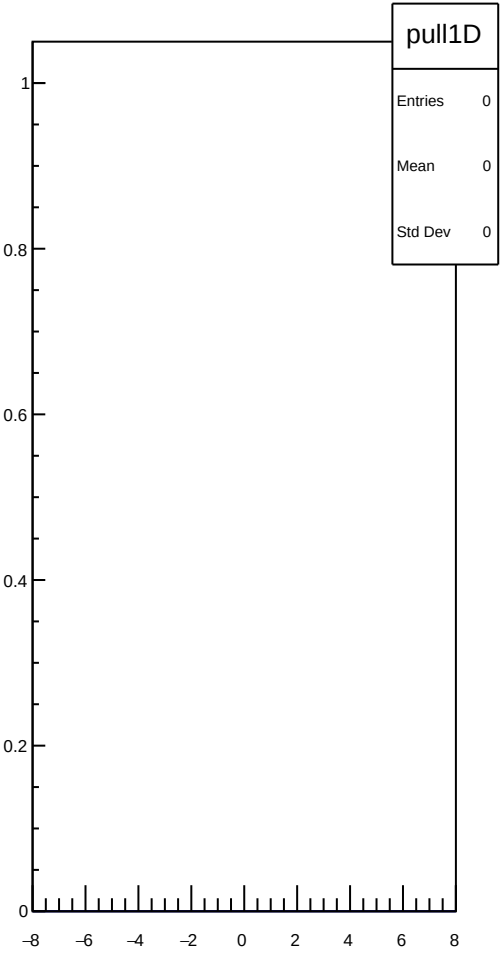
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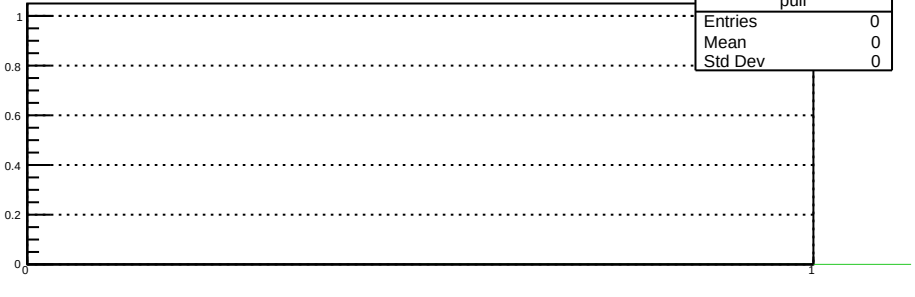
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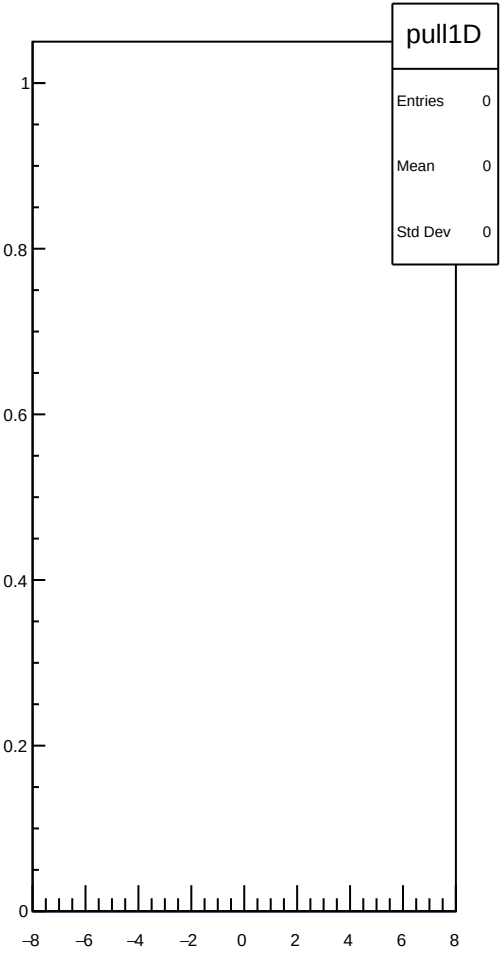
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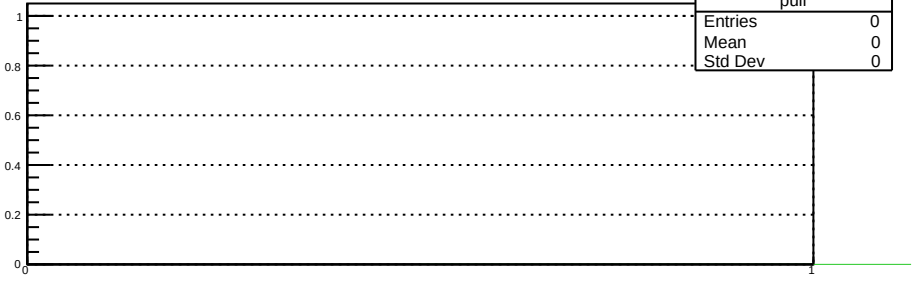
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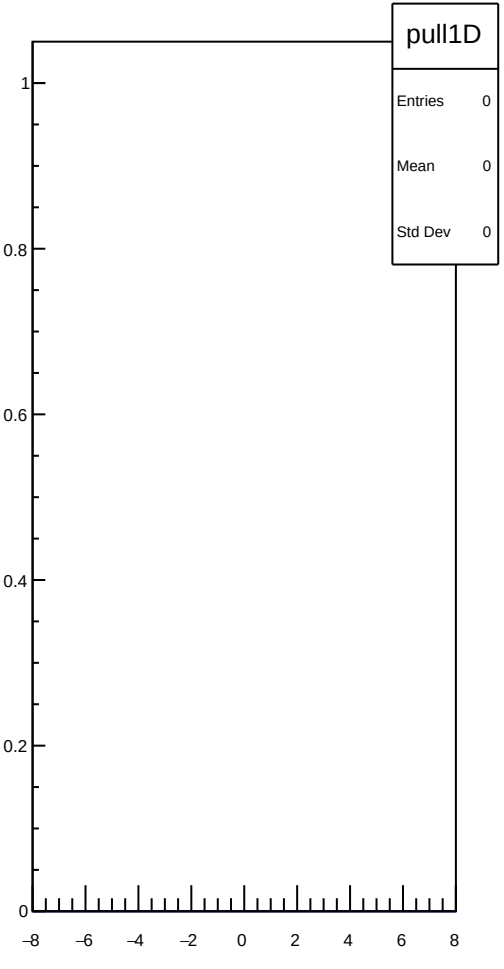
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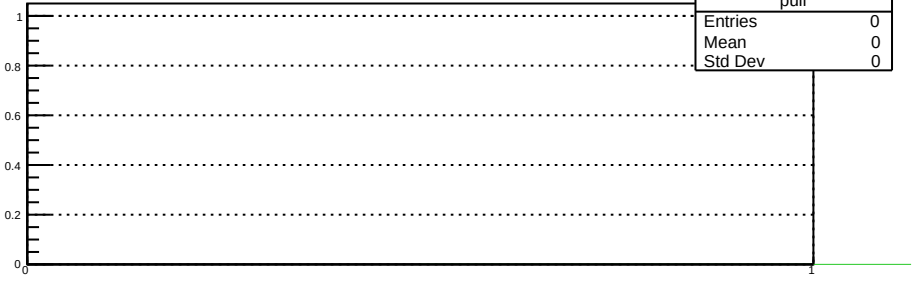
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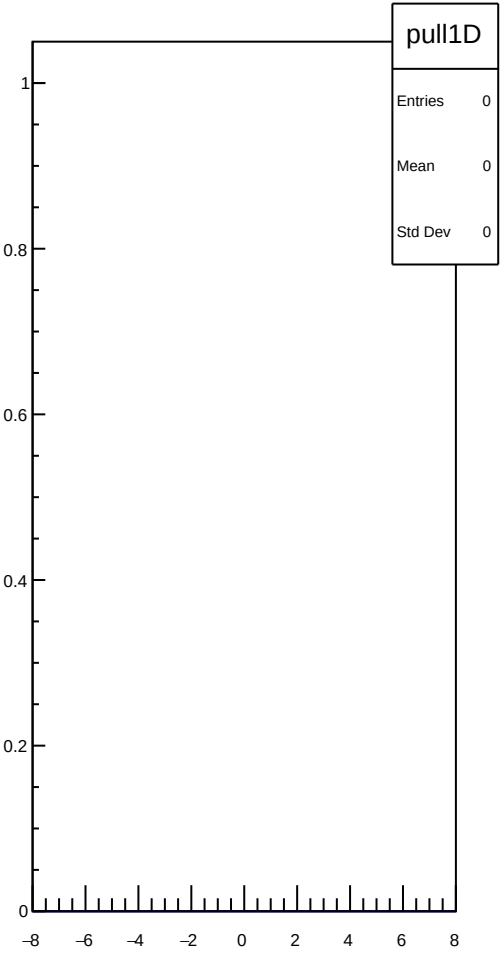
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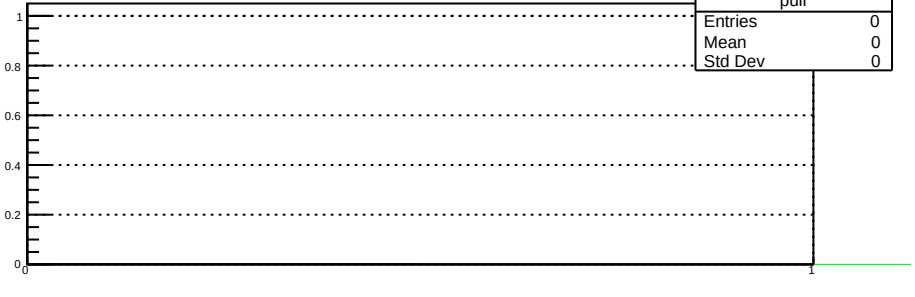
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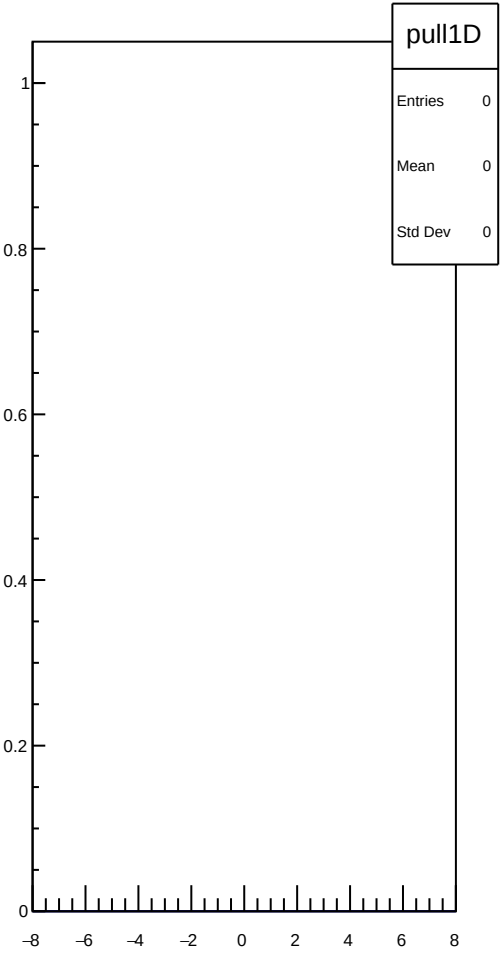
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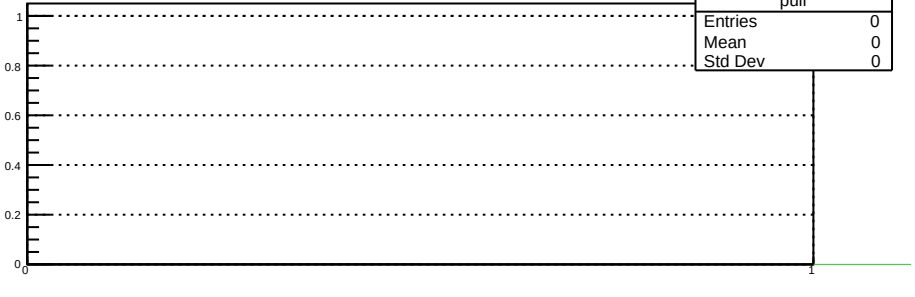
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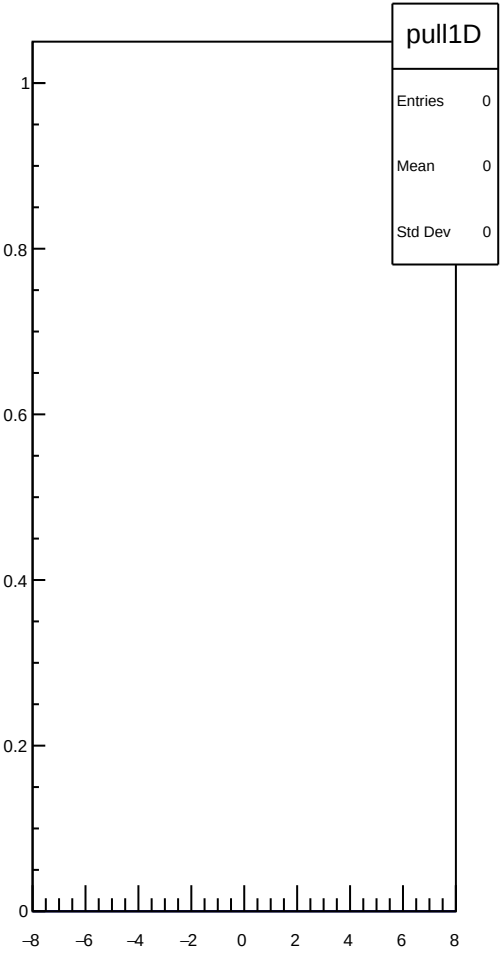
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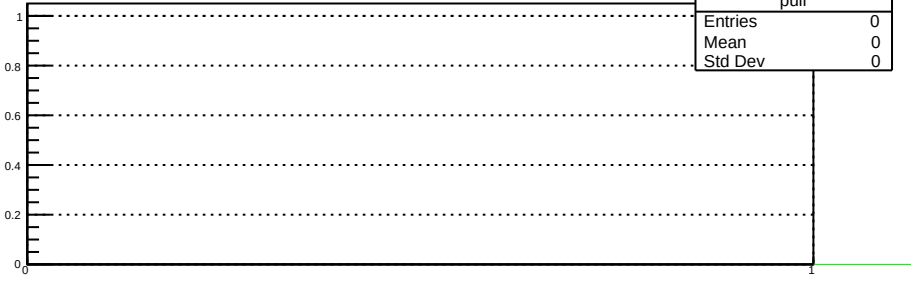
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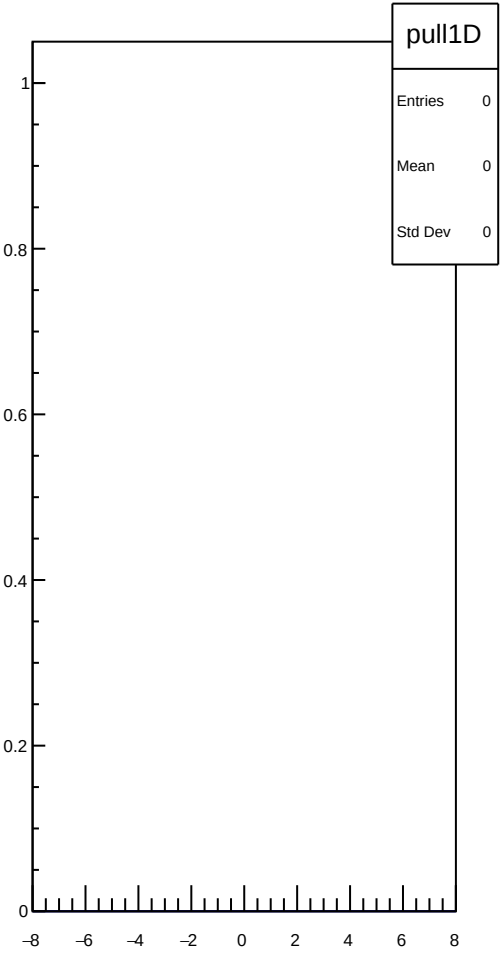
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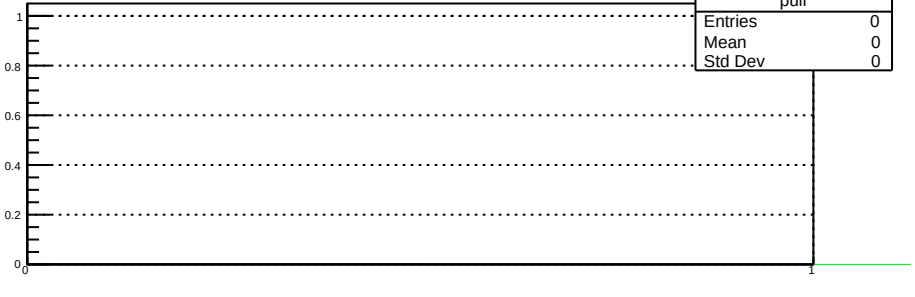
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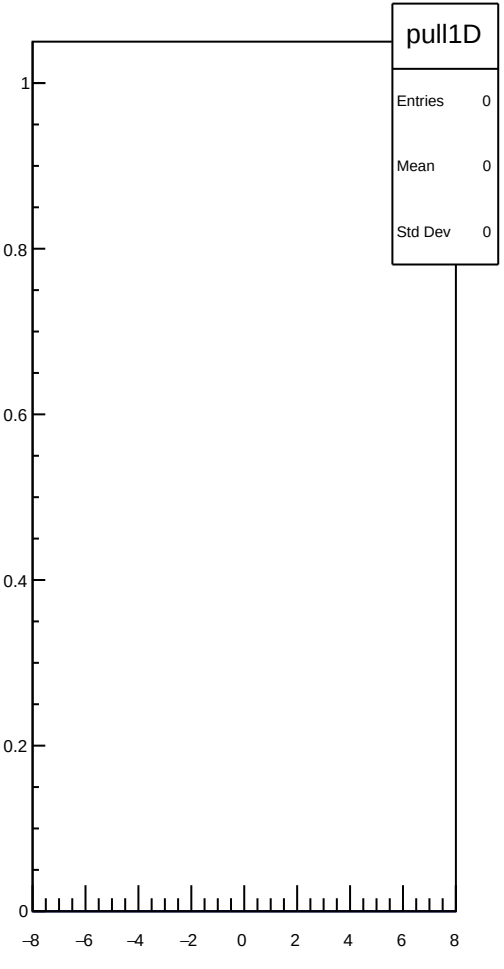
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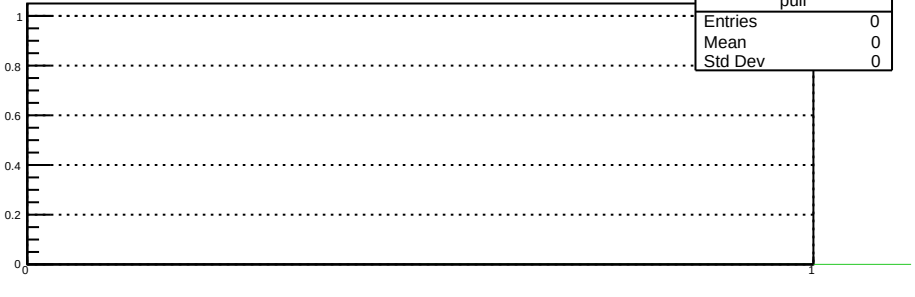
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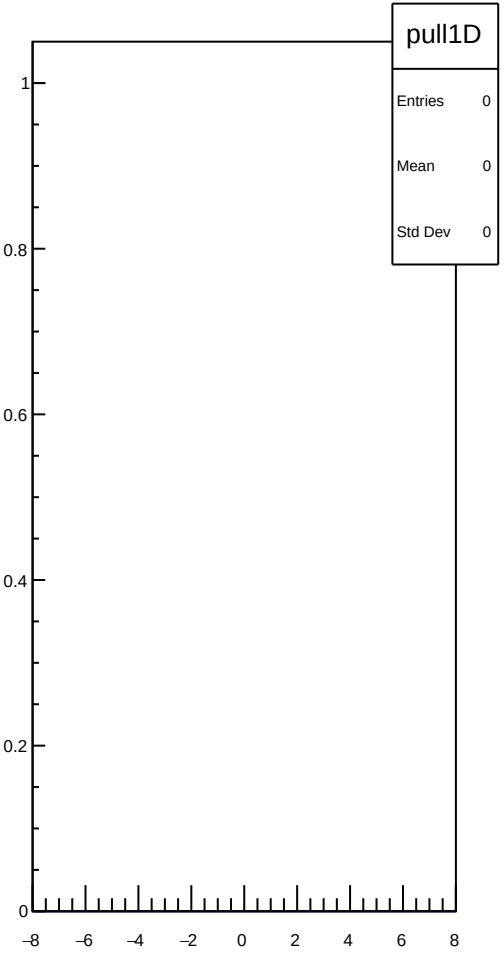
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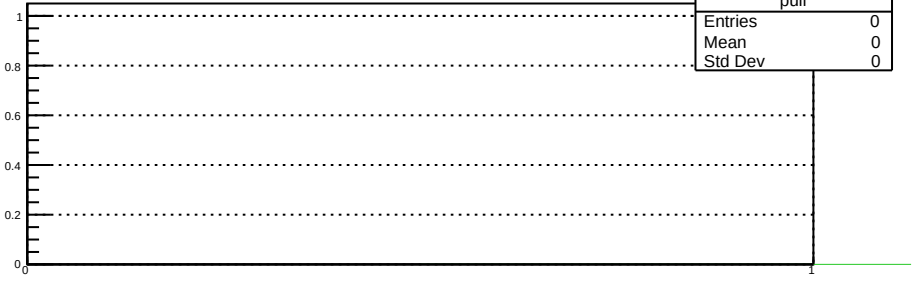
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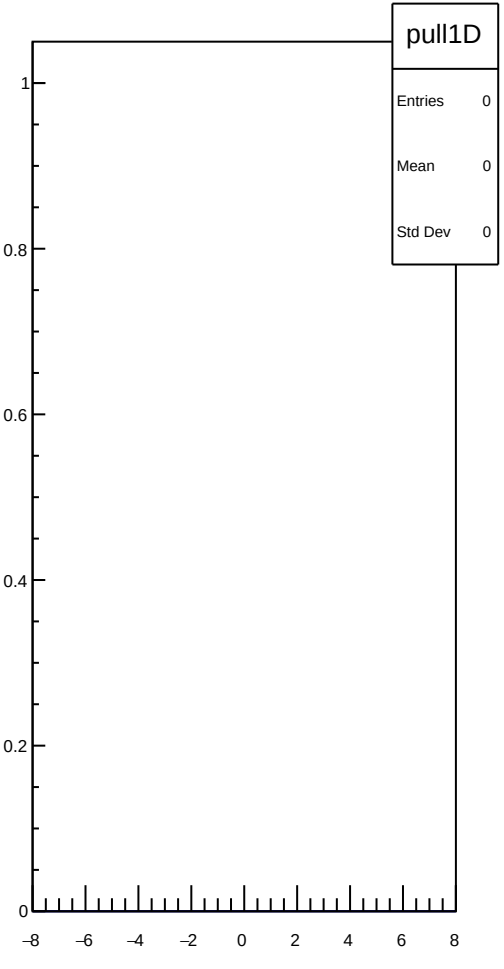
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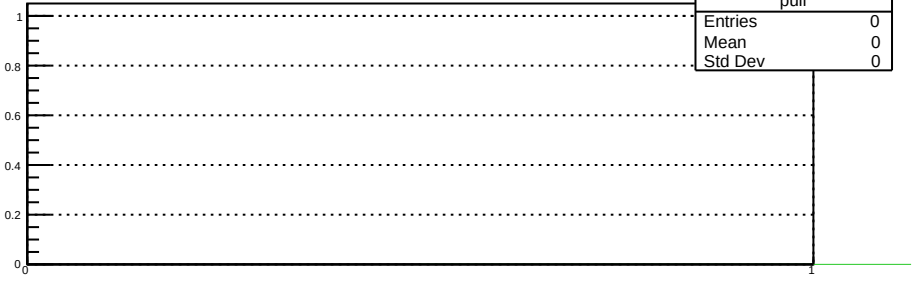
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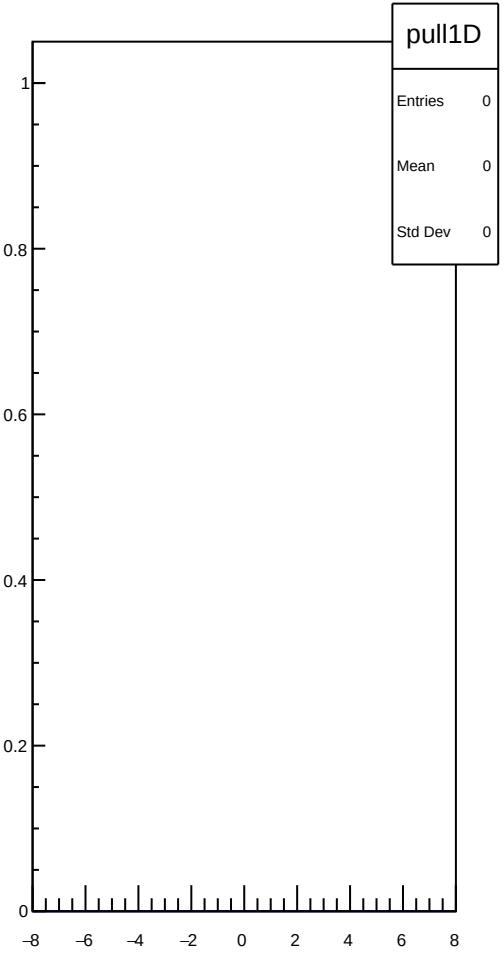
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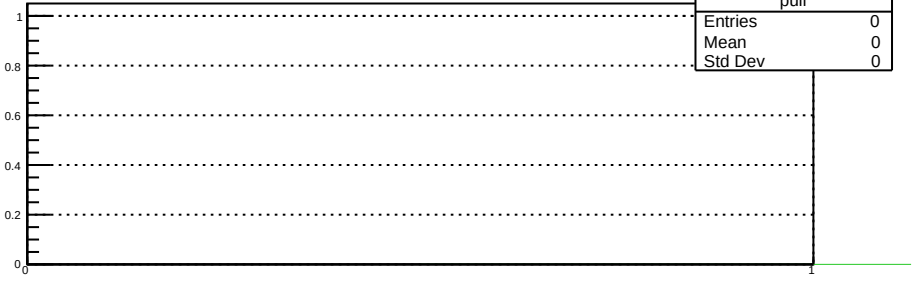
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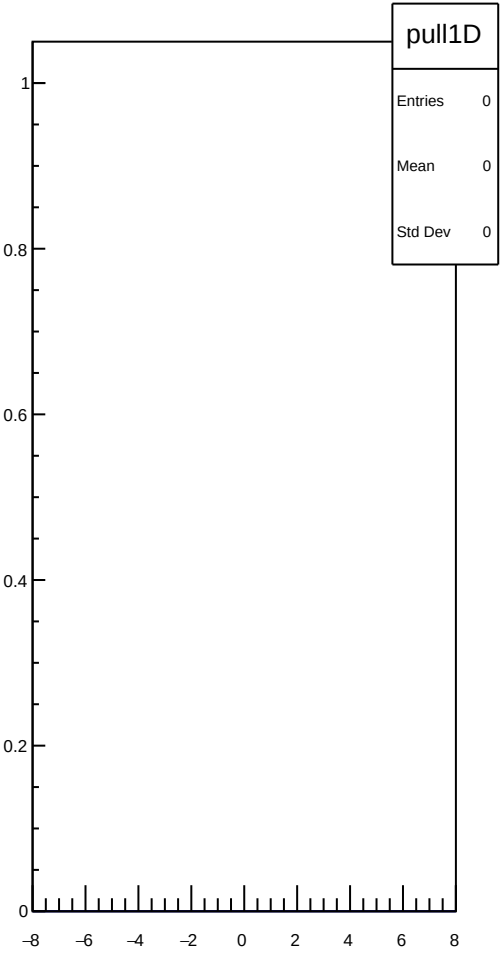
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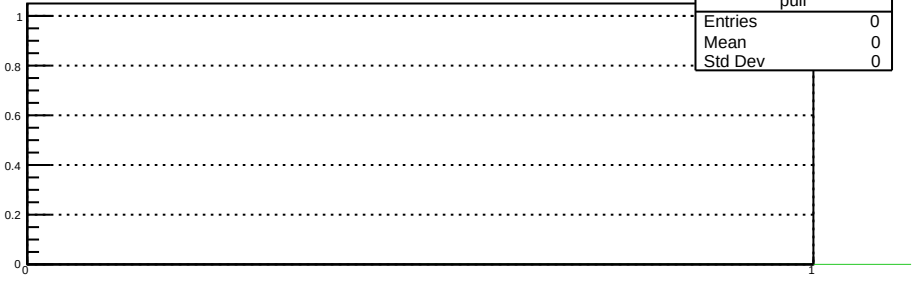
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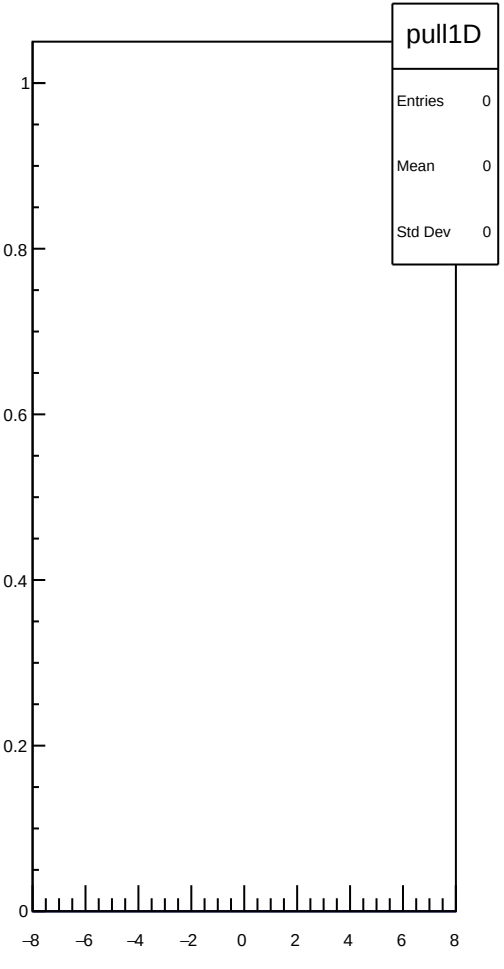
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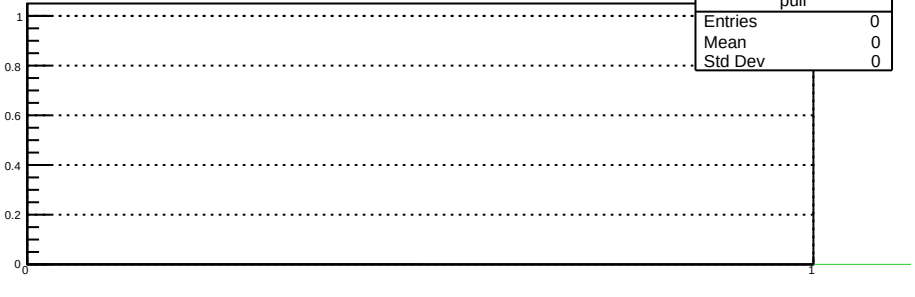
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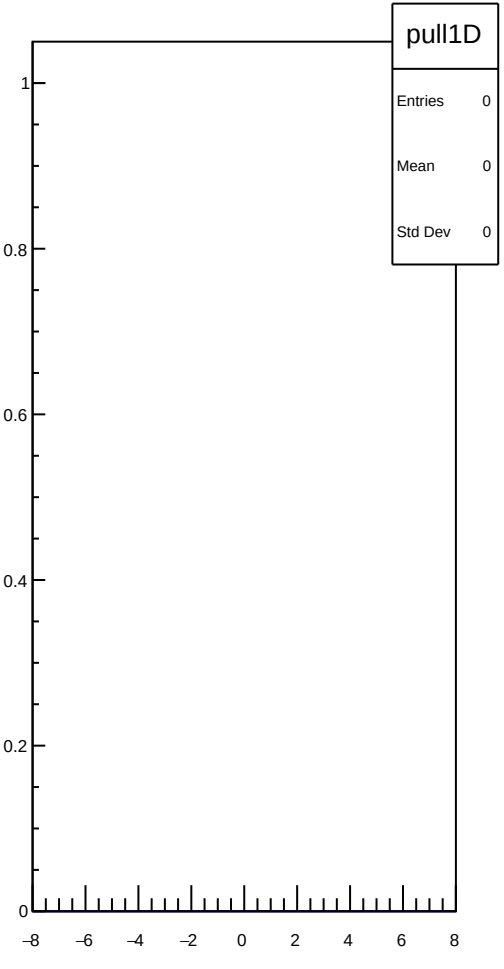
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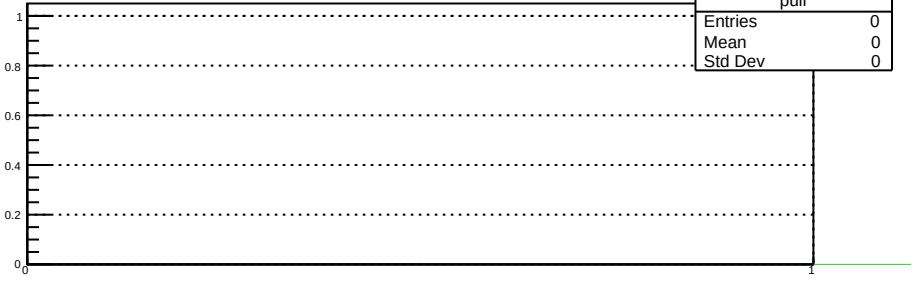
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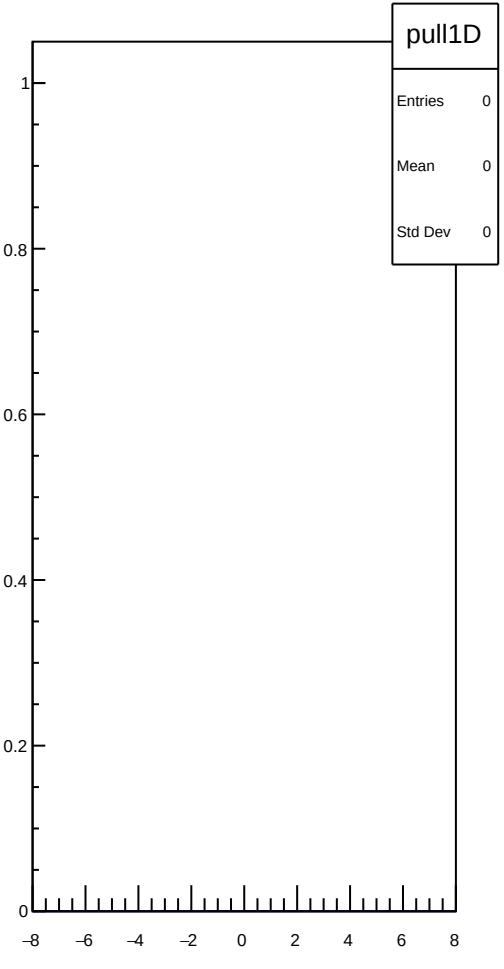
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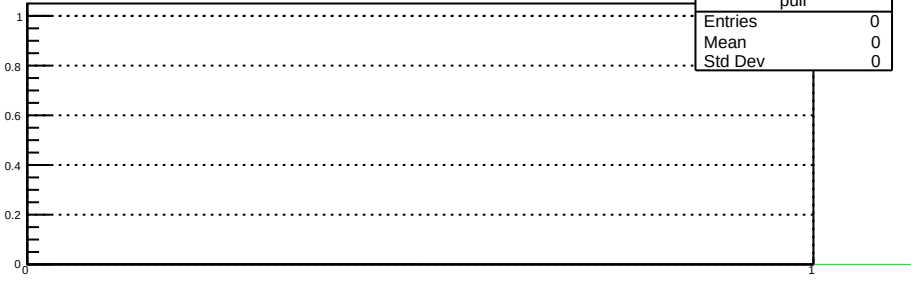
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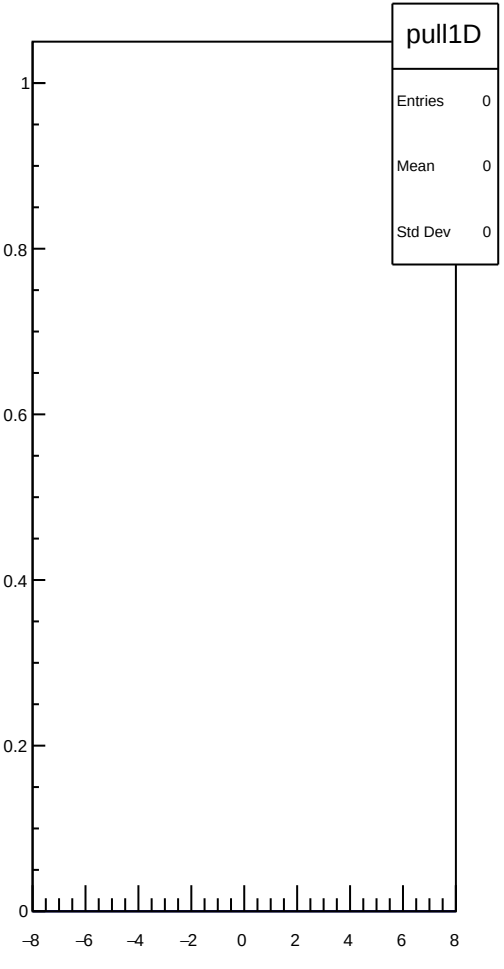
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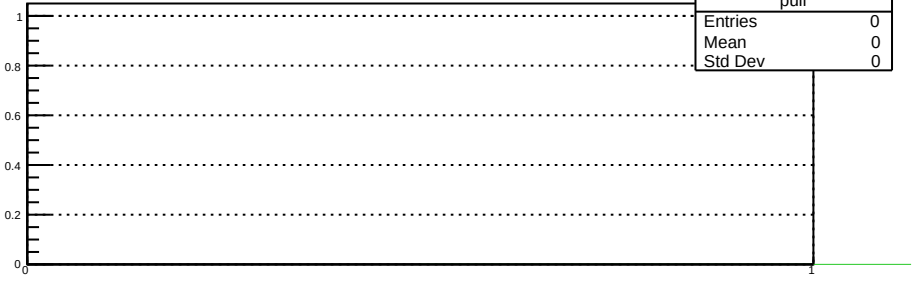
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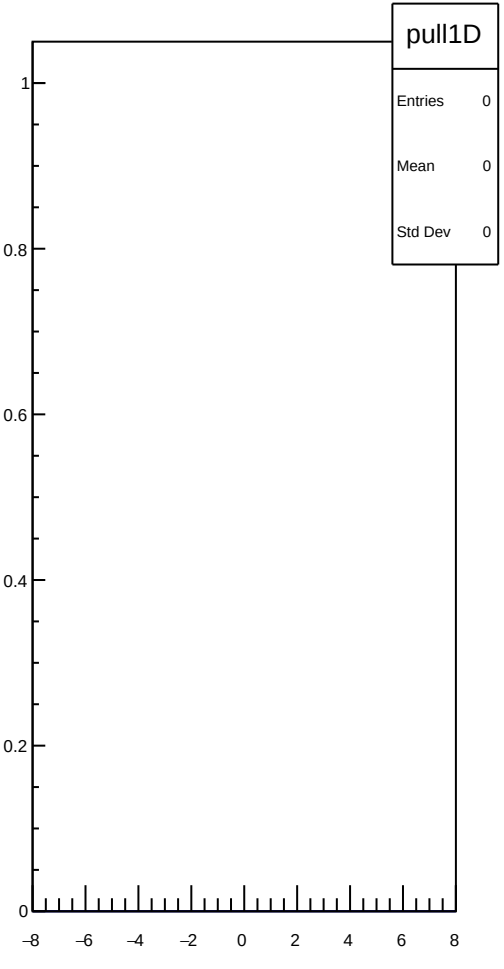
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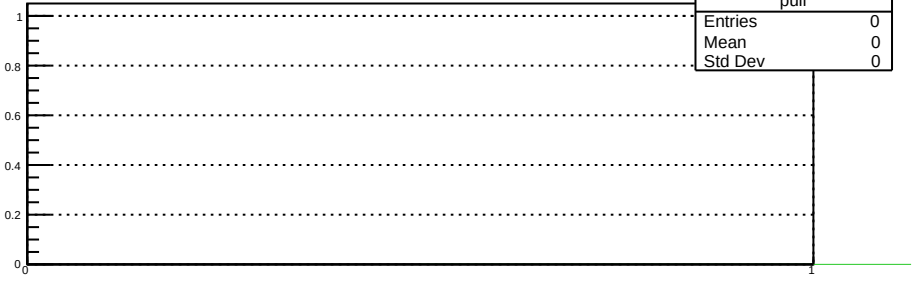
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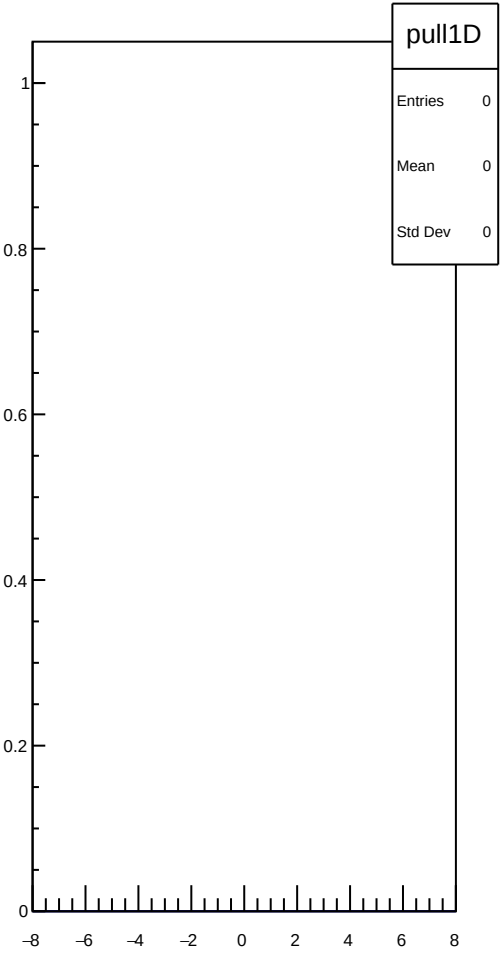
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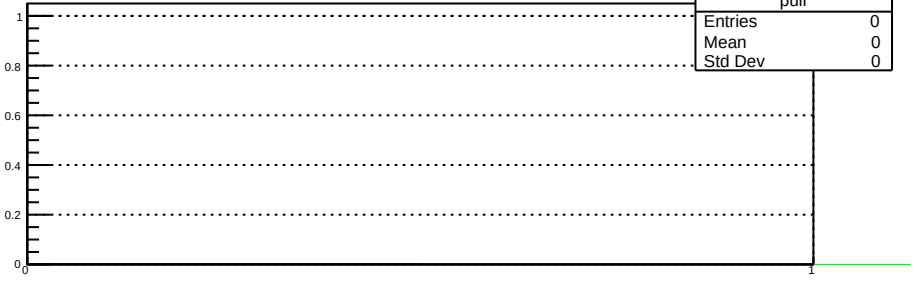
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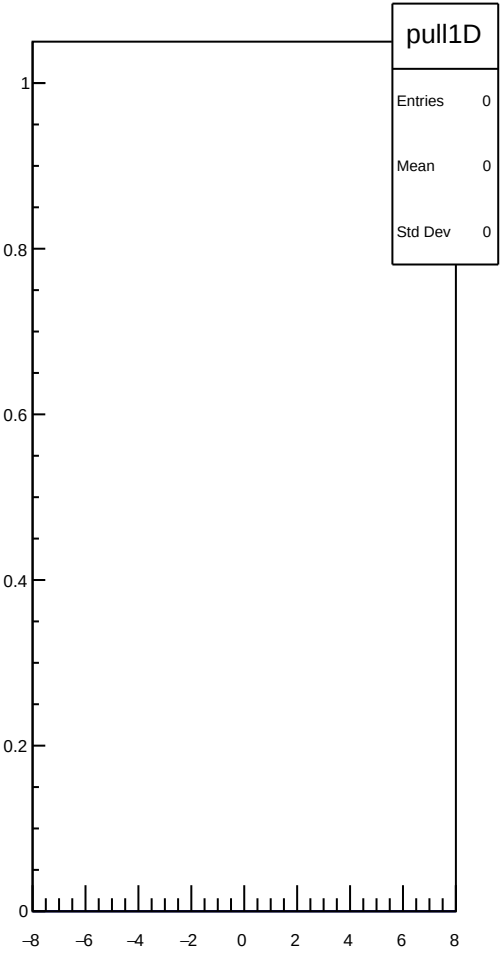
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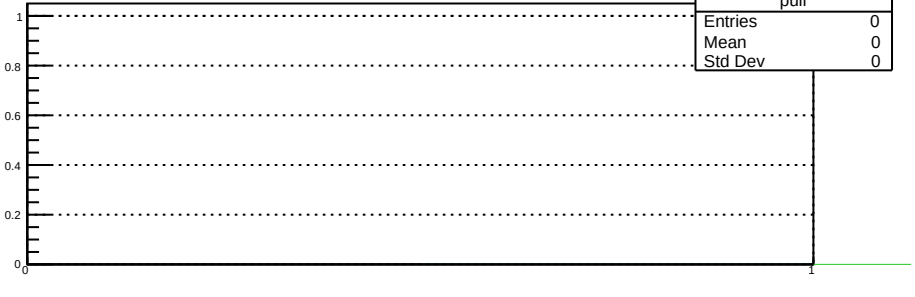
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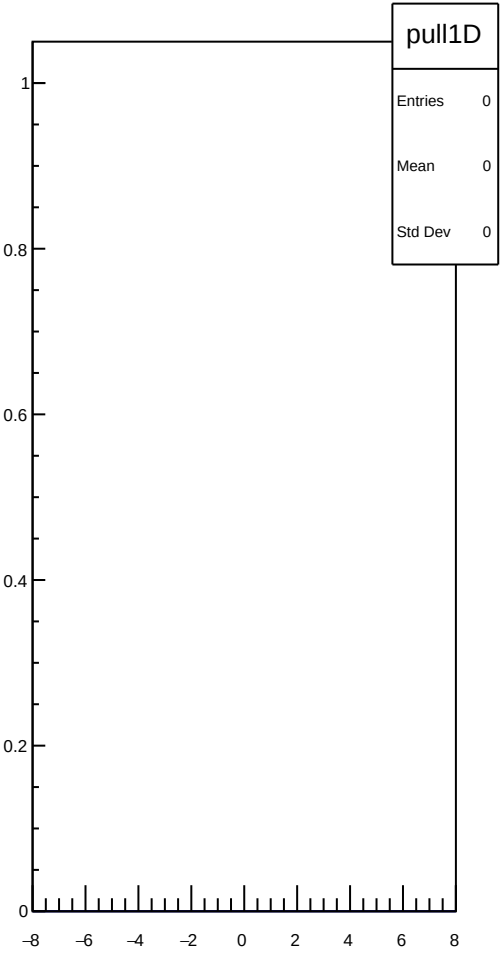
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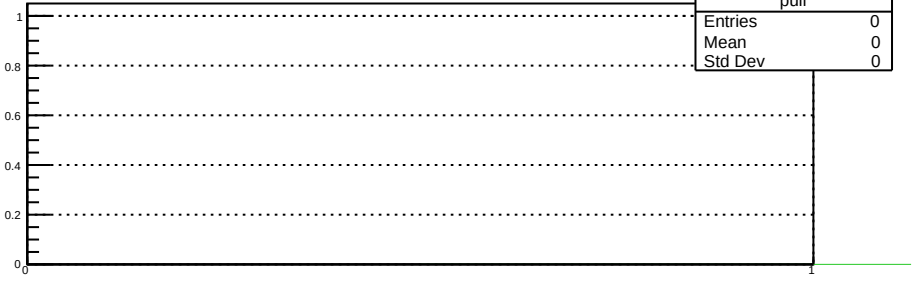
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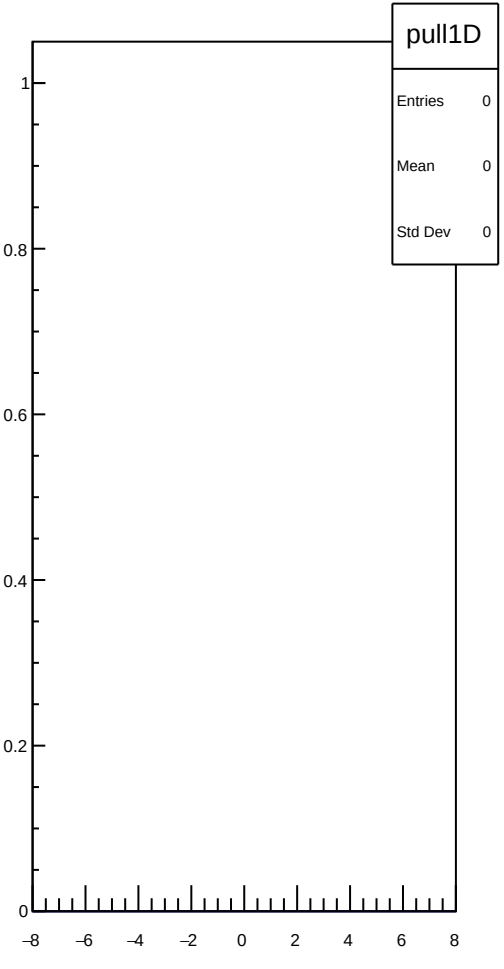
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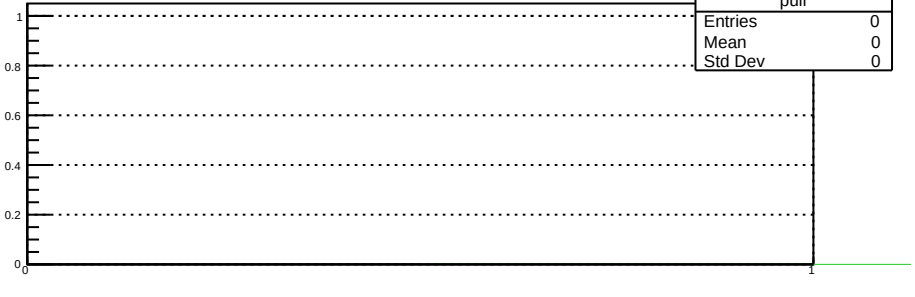
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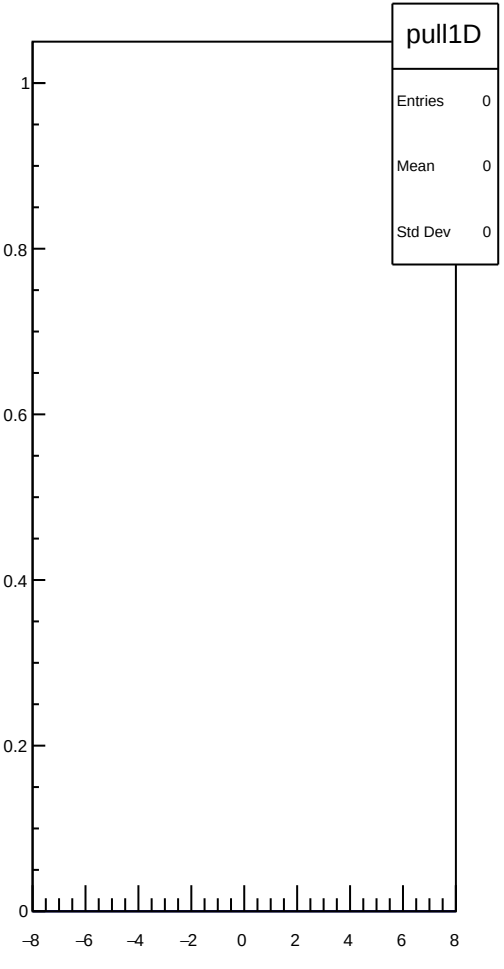
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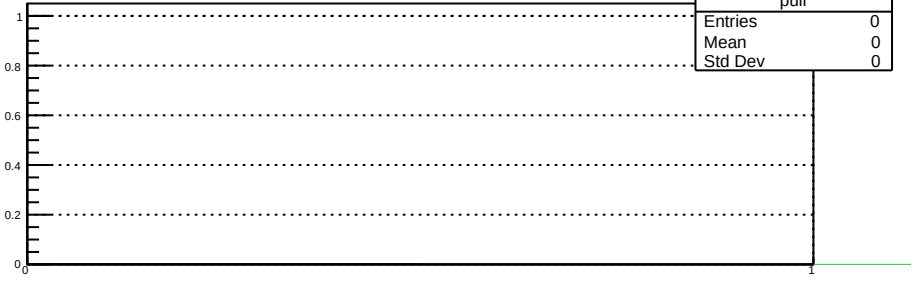
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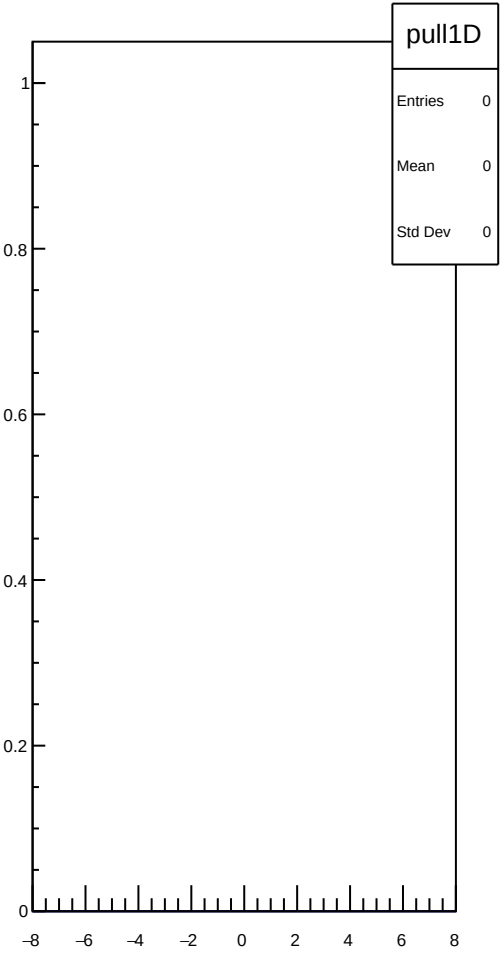
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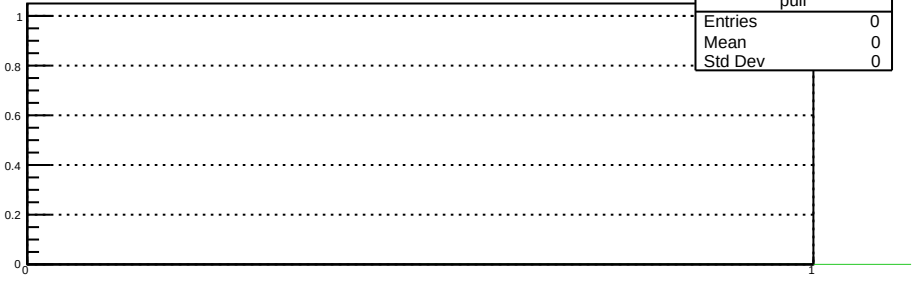
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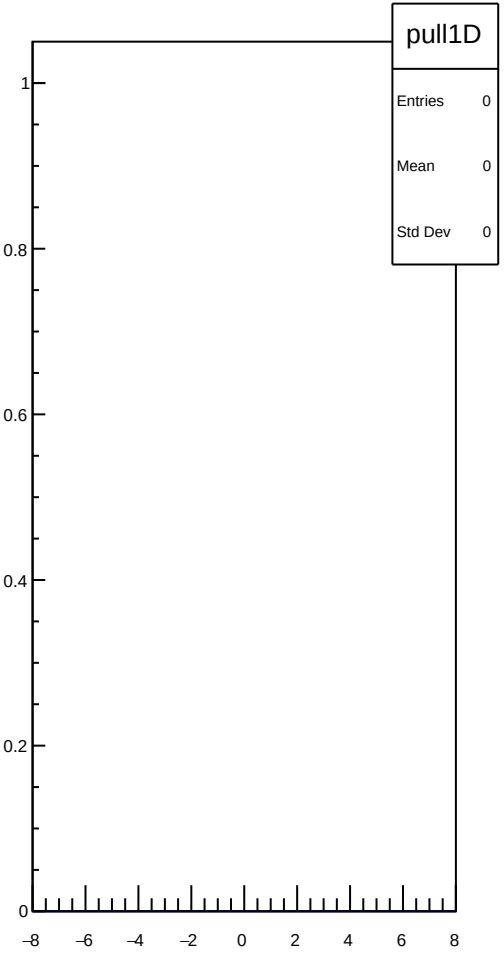
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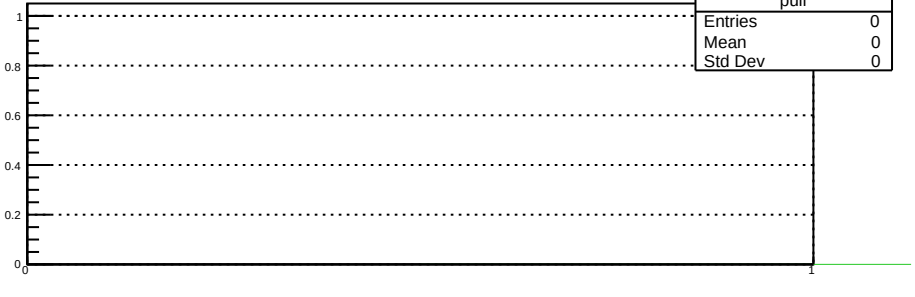
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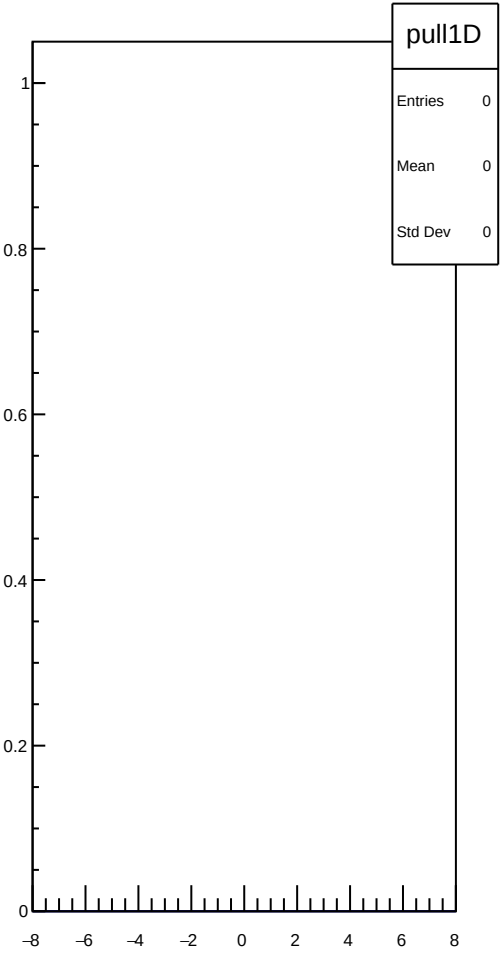
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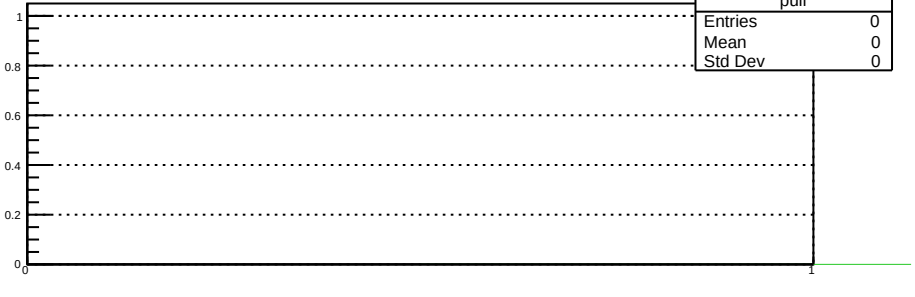
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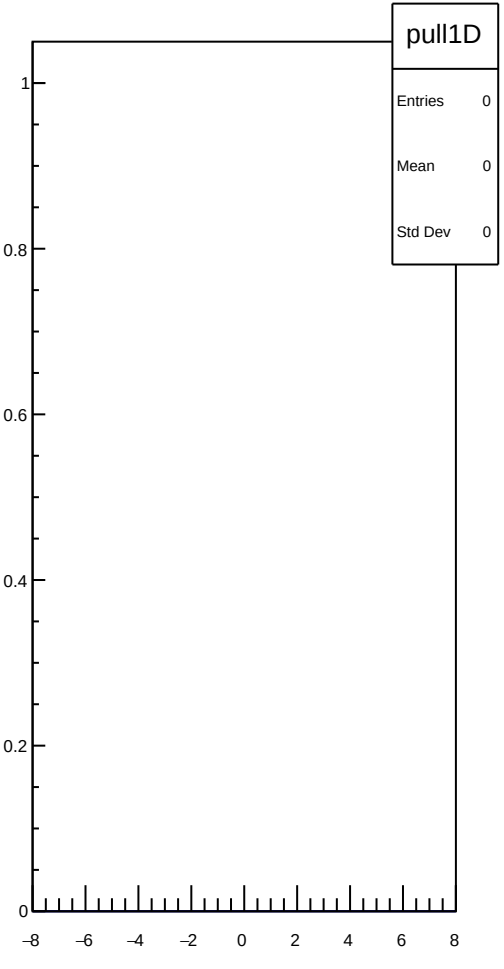
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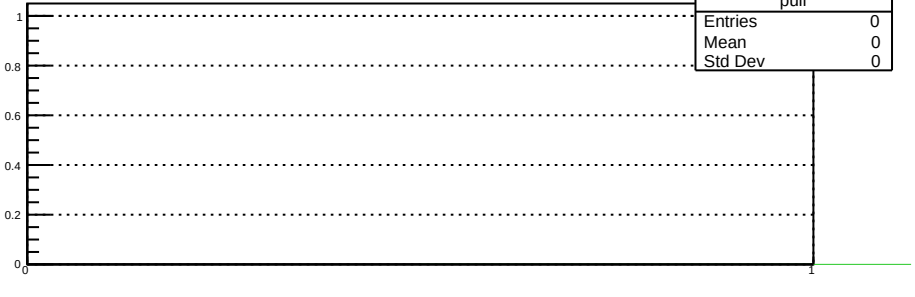
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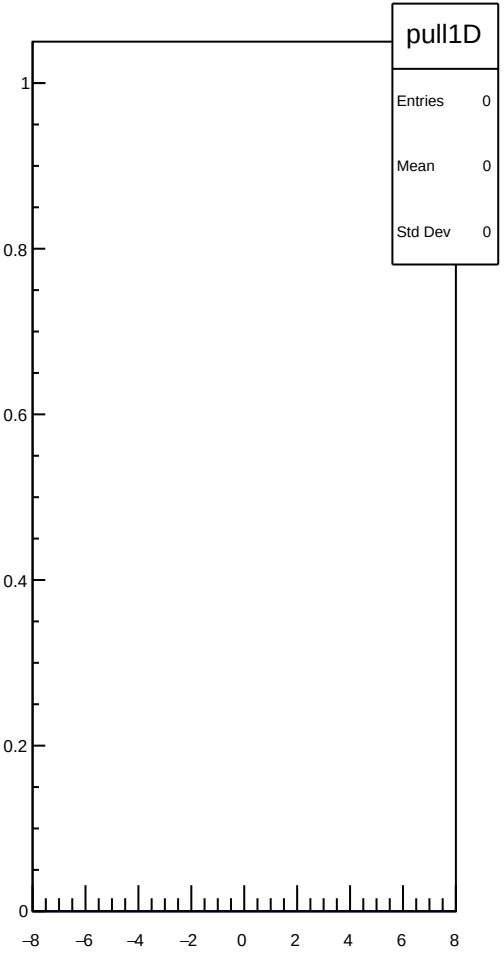
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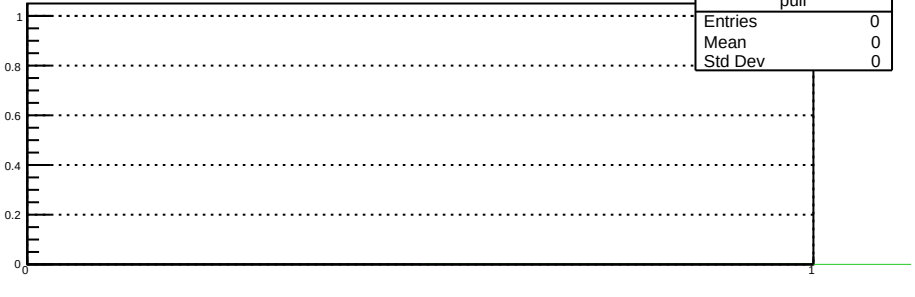
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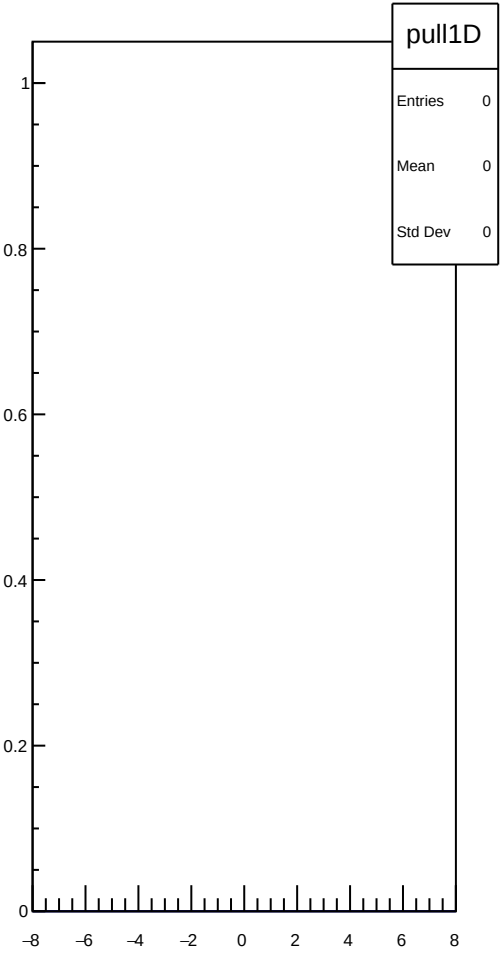
pull1D
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Mean 0
Std Dev 0
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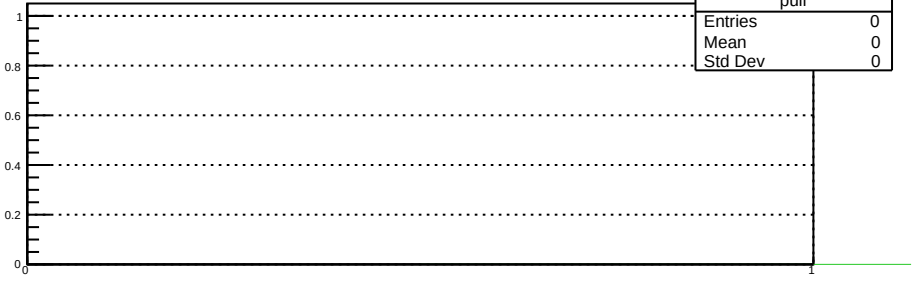
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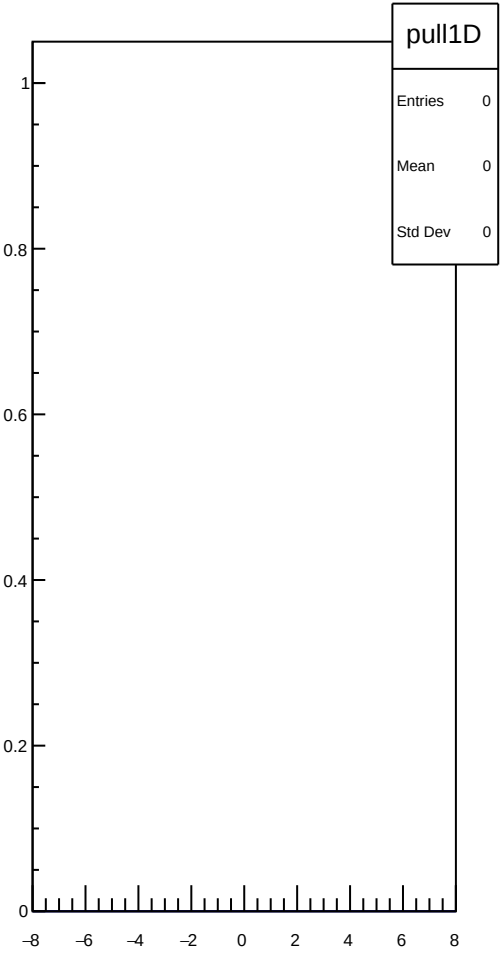
pull1D
Entries 0
Mean 0
Std Dev 0
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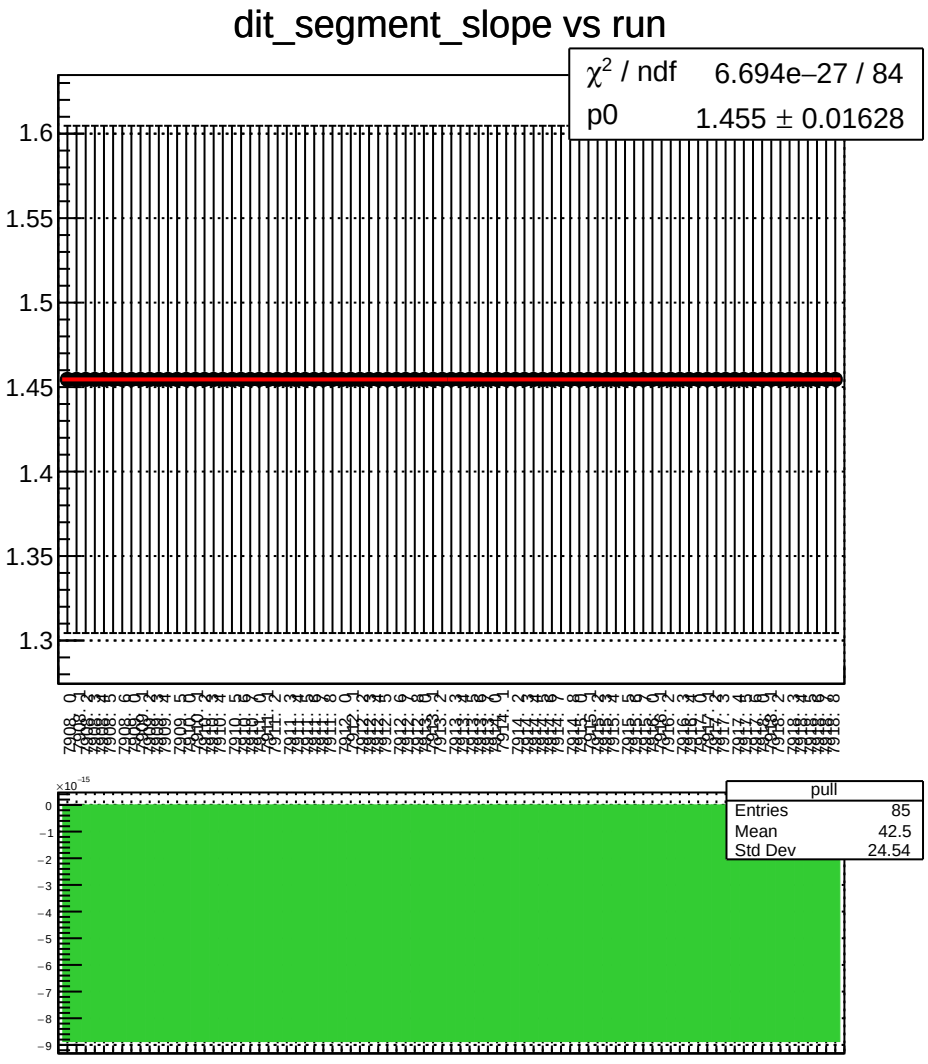
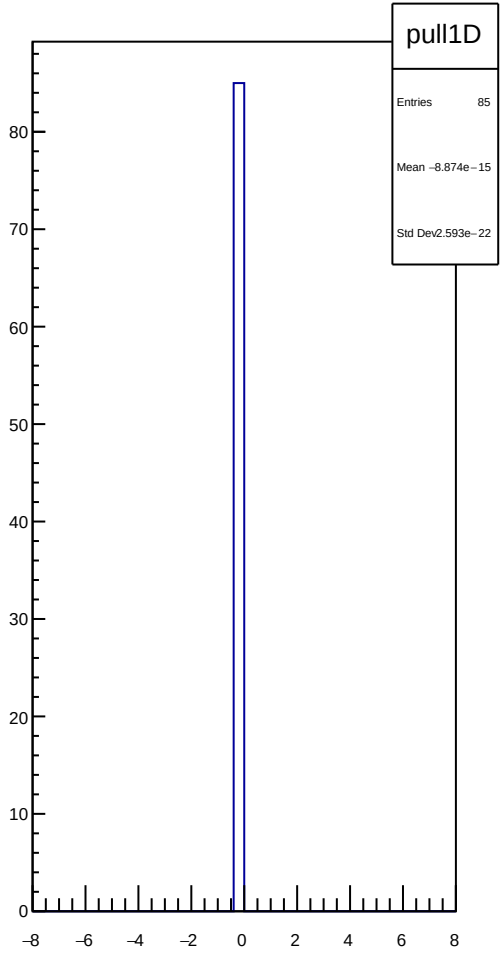

dit_segment_slope vs run
χ^2 / ndf 6.694e−27 / 84
p0 1.455 ± 0.01628
1.6
1.55
1.5
1.45
1.4
1.35
1.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−1
−2
−3
−4
−5
−6
−7
−8
−9


pull1D
Entries 85
Mean −8.874e−15
Std Dev 2.593e−22
80
70
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50
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30
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−4
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6
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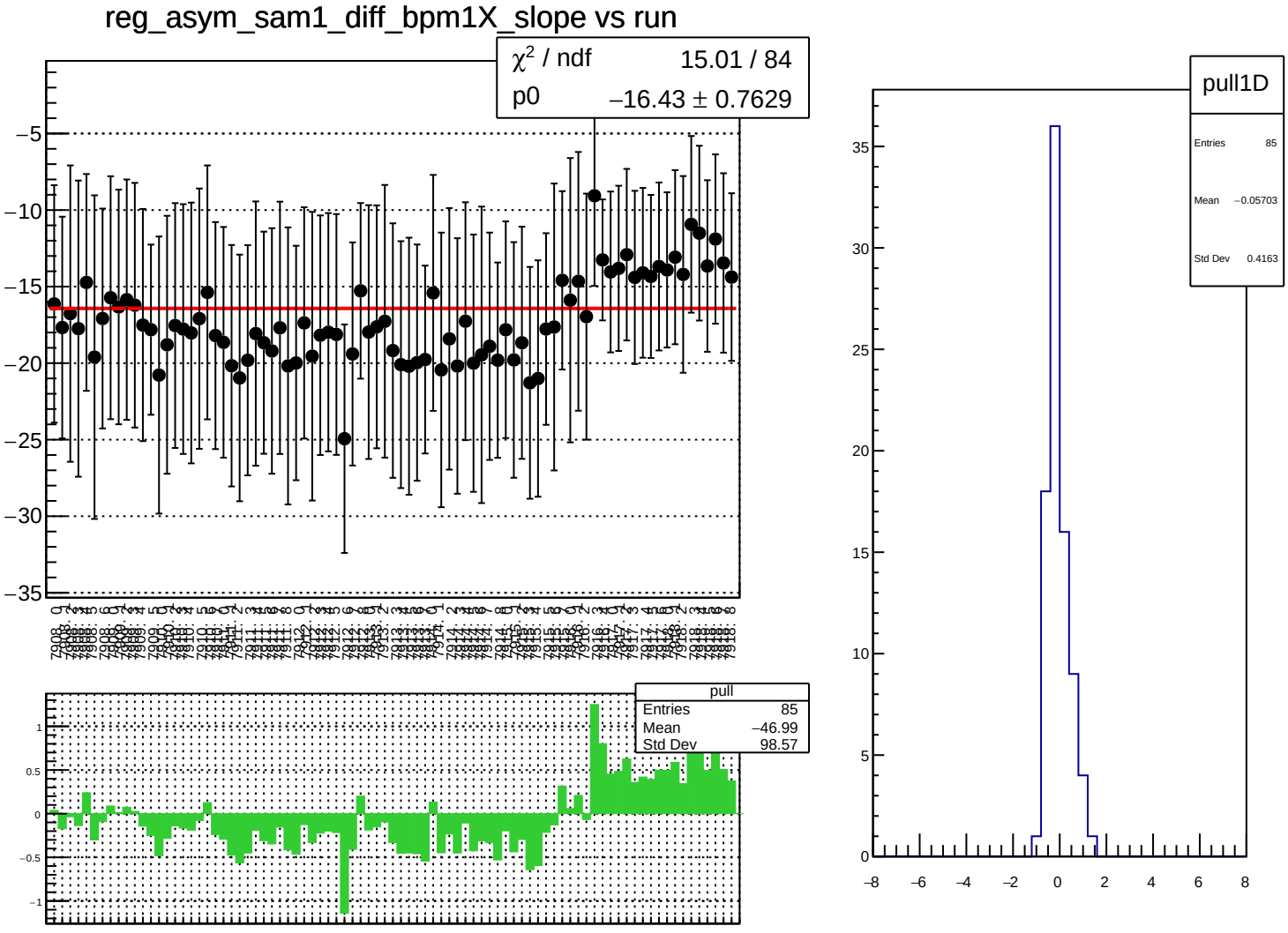
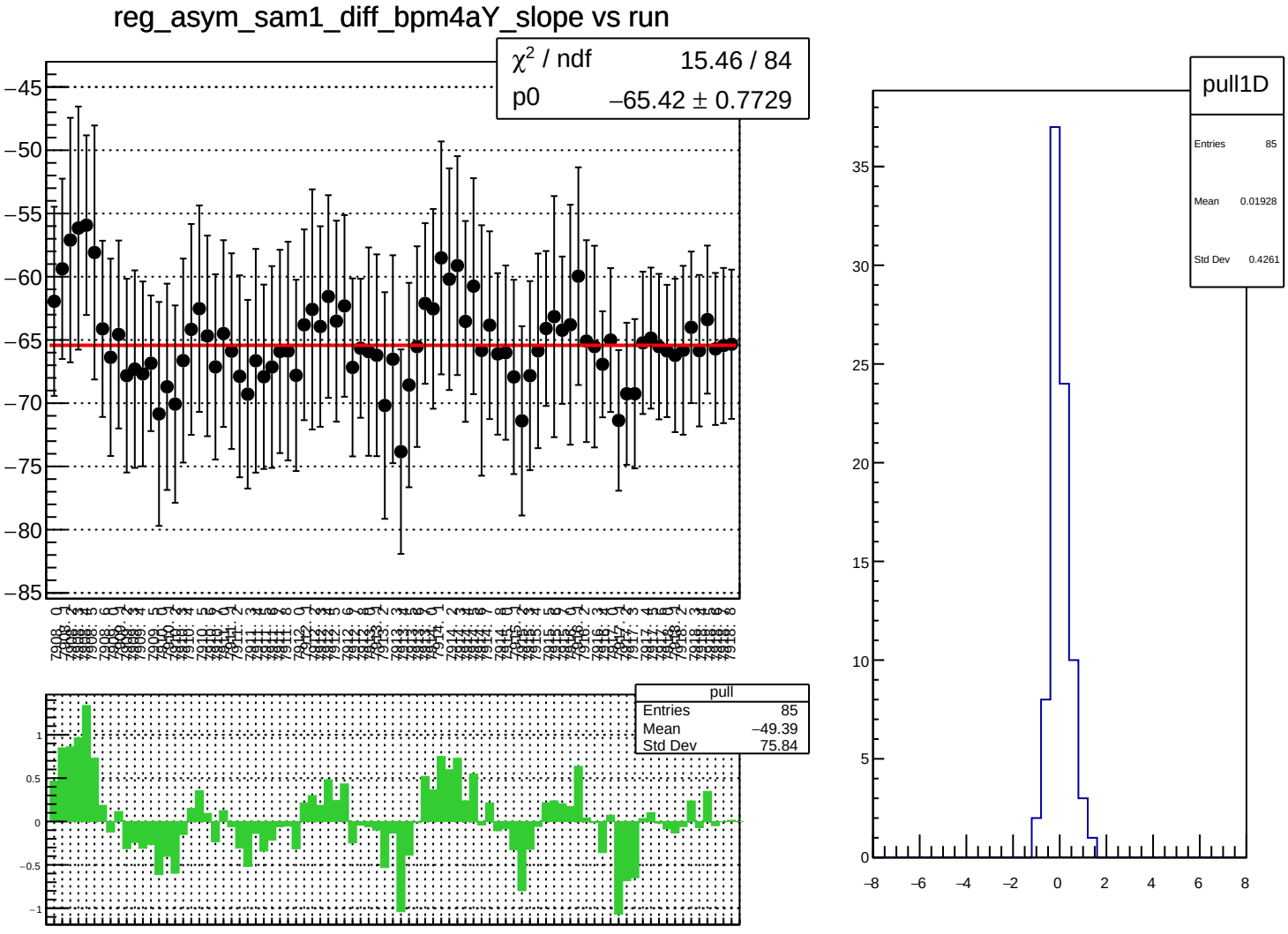
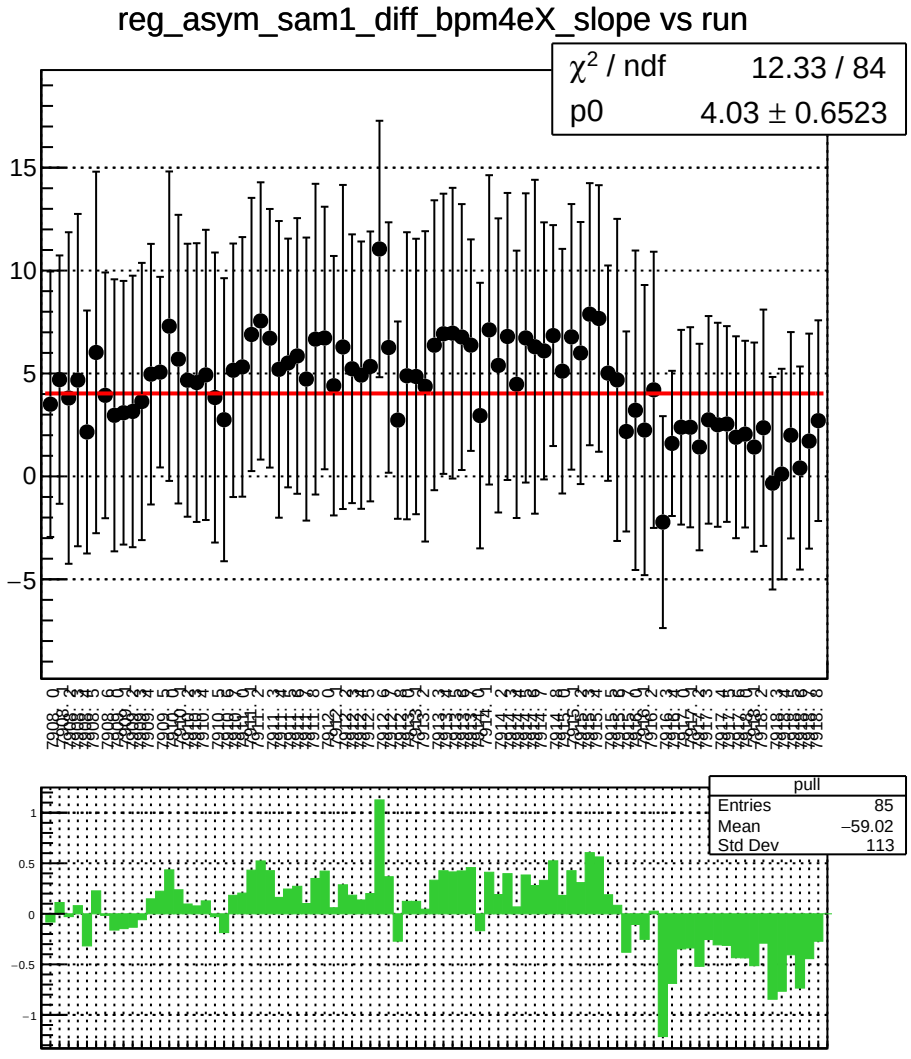
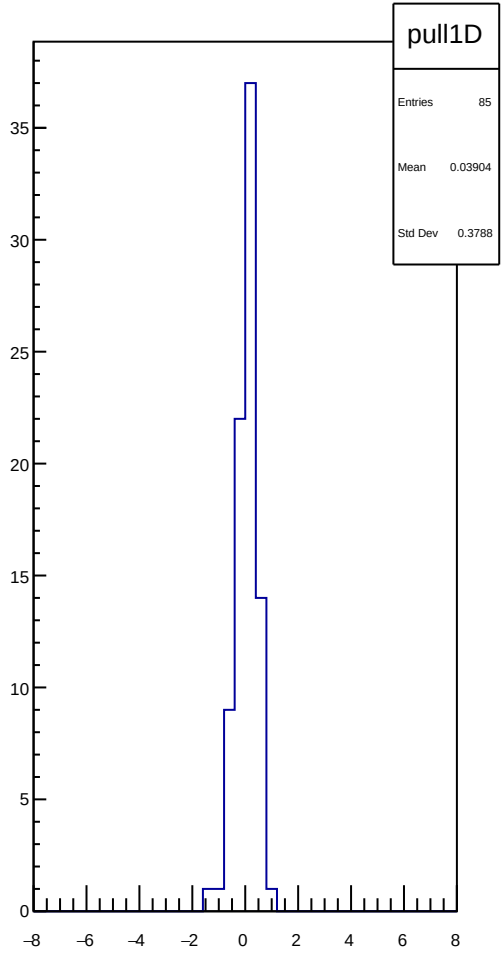
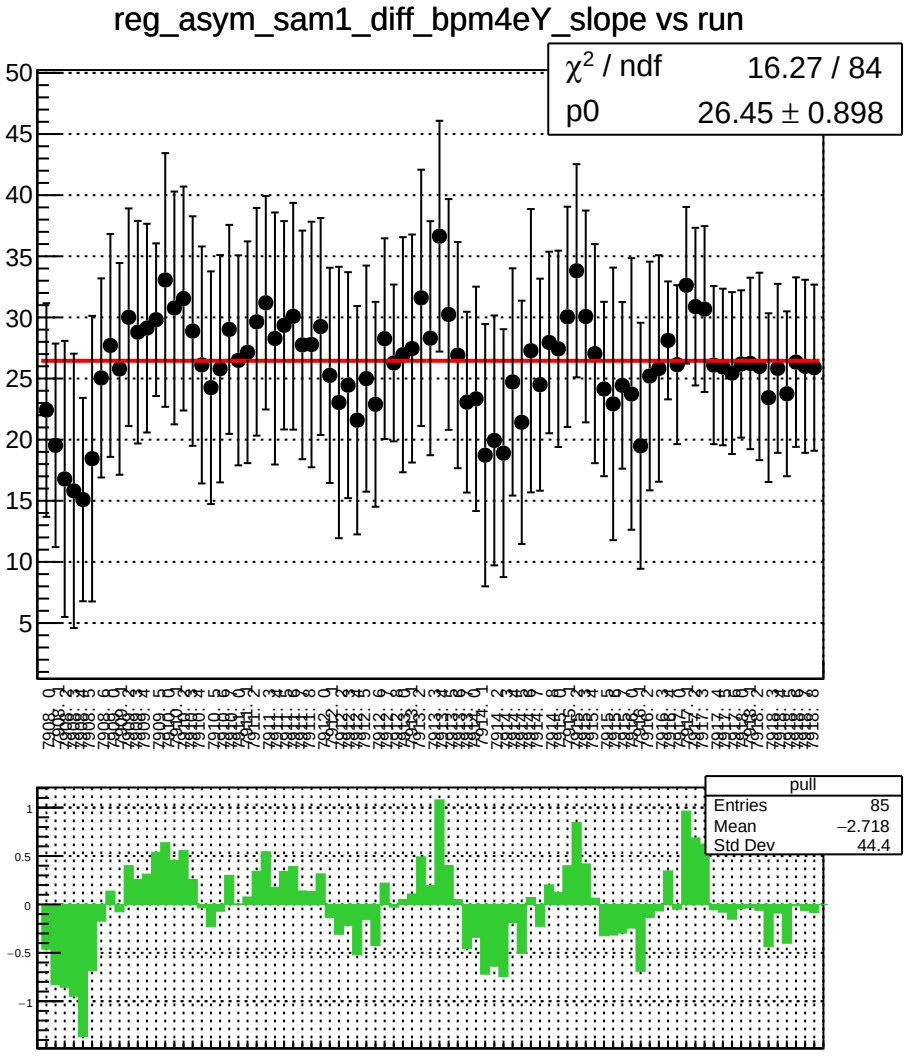
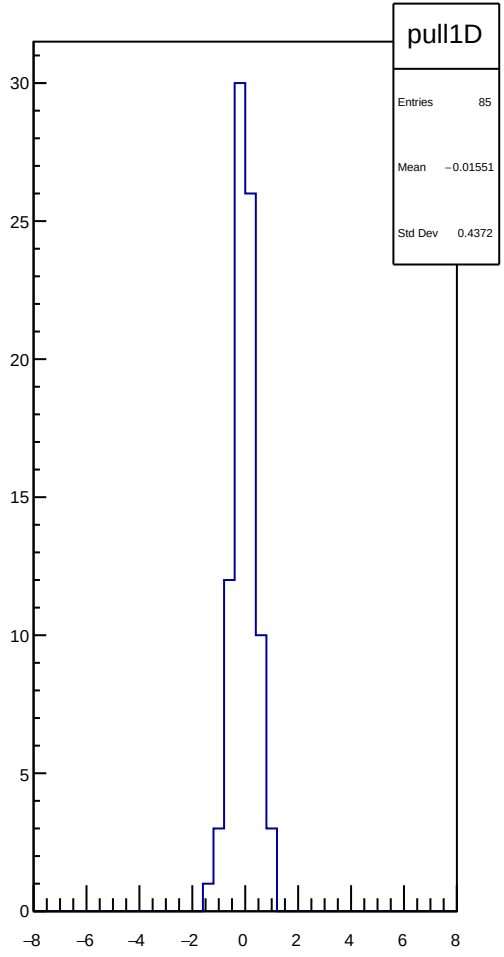

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 15.01 / 84
p0 −16.43 ± 0.7629
pull
Entries 85
Mean −46.99
Std Dev 98.57
pull1D
Entries 85
Mean −0.05703
Std Dev 0.4163


reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 15.46 / 84
p0 −65.42 ± 0.7729
pull
Entries 85
Mean −49.39
Std Dev 75.84
pull1D
Entries 85
Mean 0.01928
Std Dev 0.4261


reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 12.33 / 84
p0 4.03 ± 0.6523
pull
Entries 85
Mean −59.02
Std Dev 113


pull1D
Entries 85
Mean 0.03904
Std Dev 0.3788


reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 16.27 / 84
p0 26.45 ± 0.898
pull
Entries 85
Mean −2.718
Std Dev 44.4


pull1D
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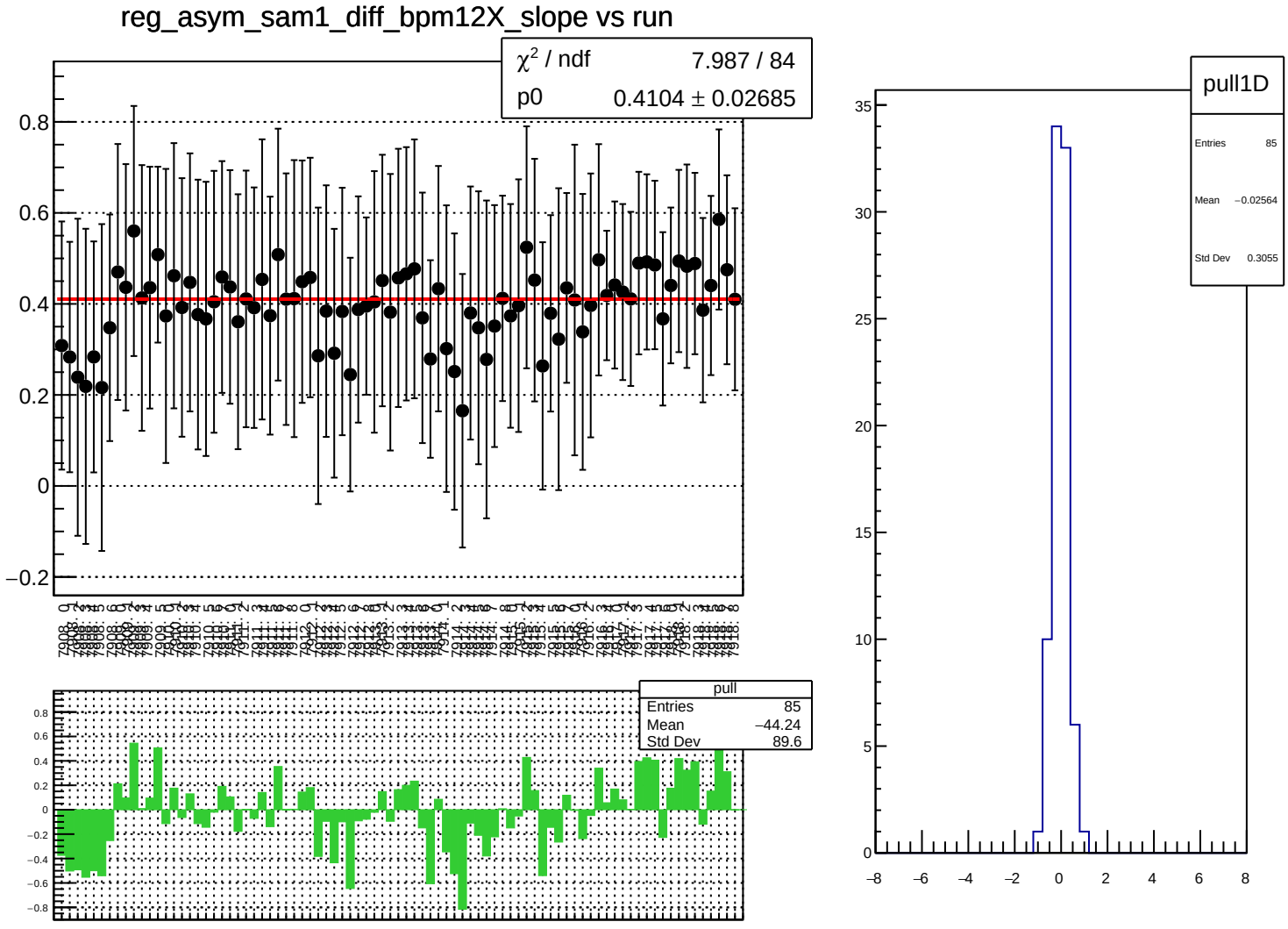
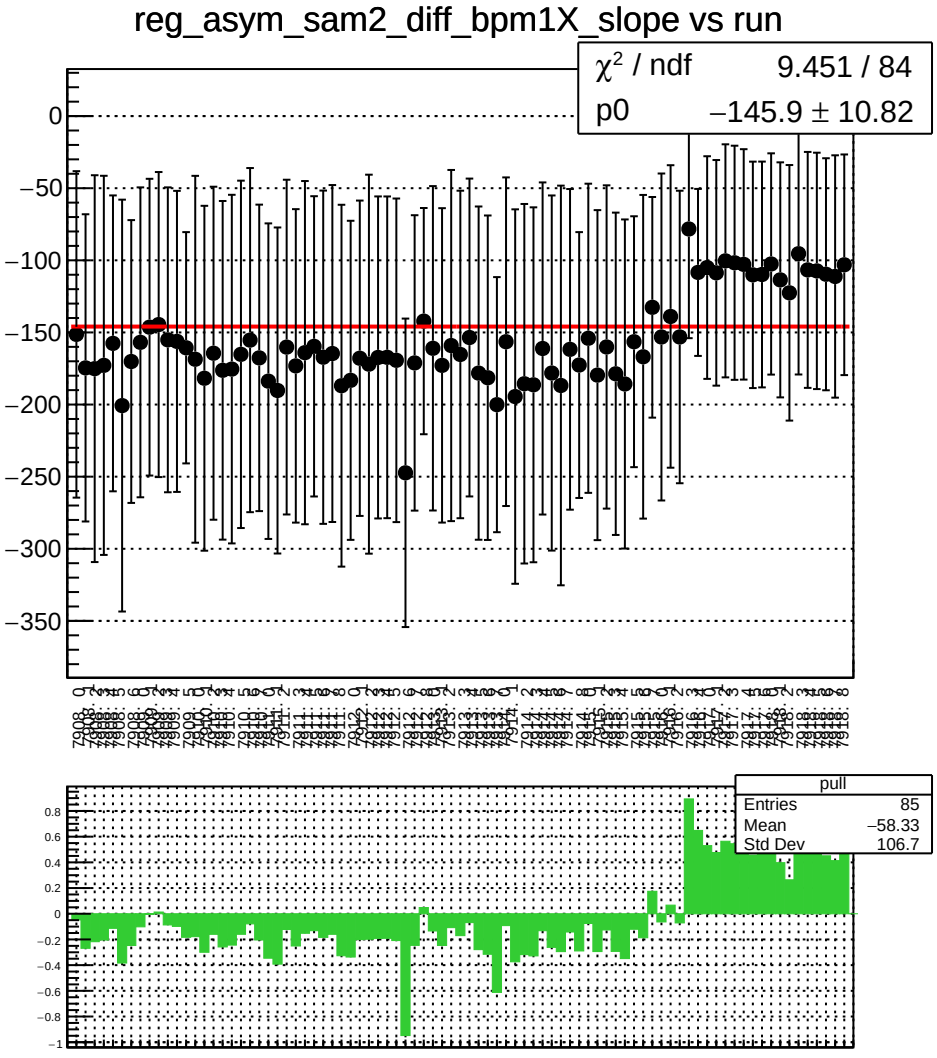
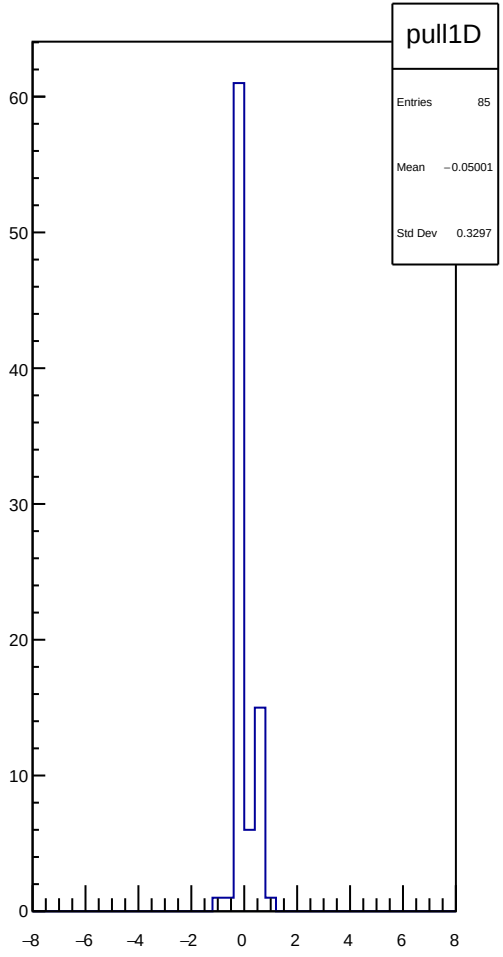
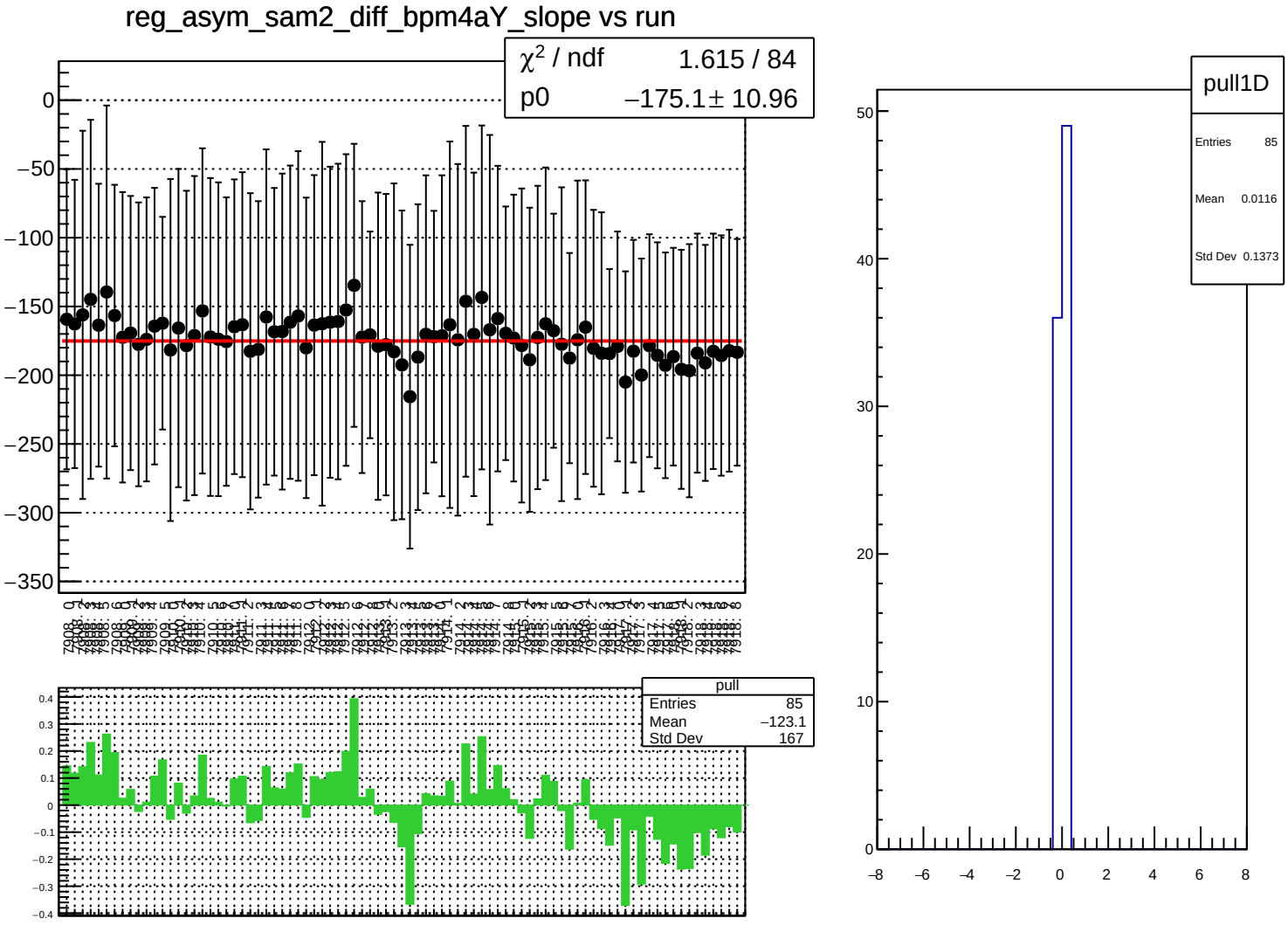
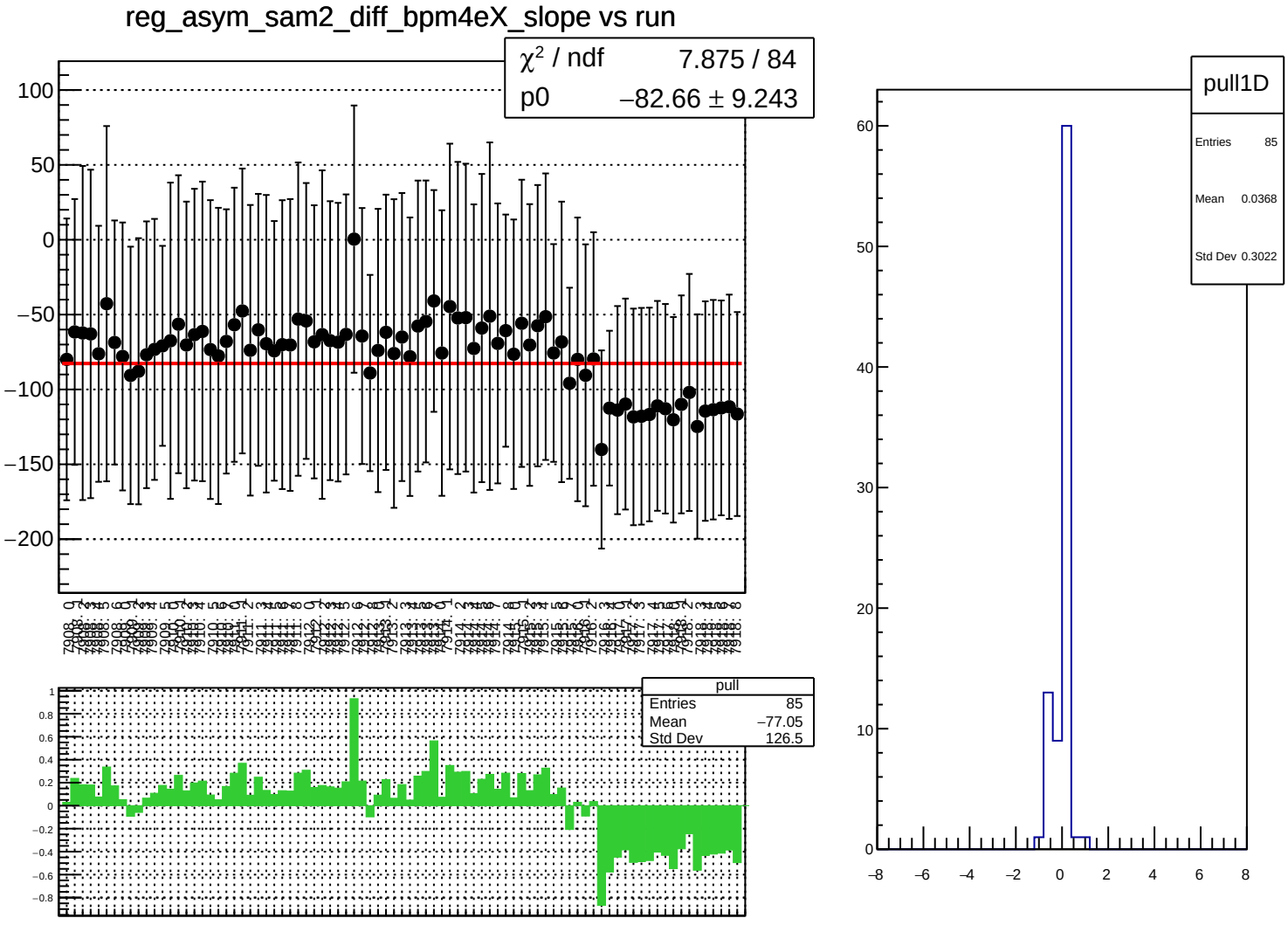
Mean −0.01551
Std Dev 0.4372

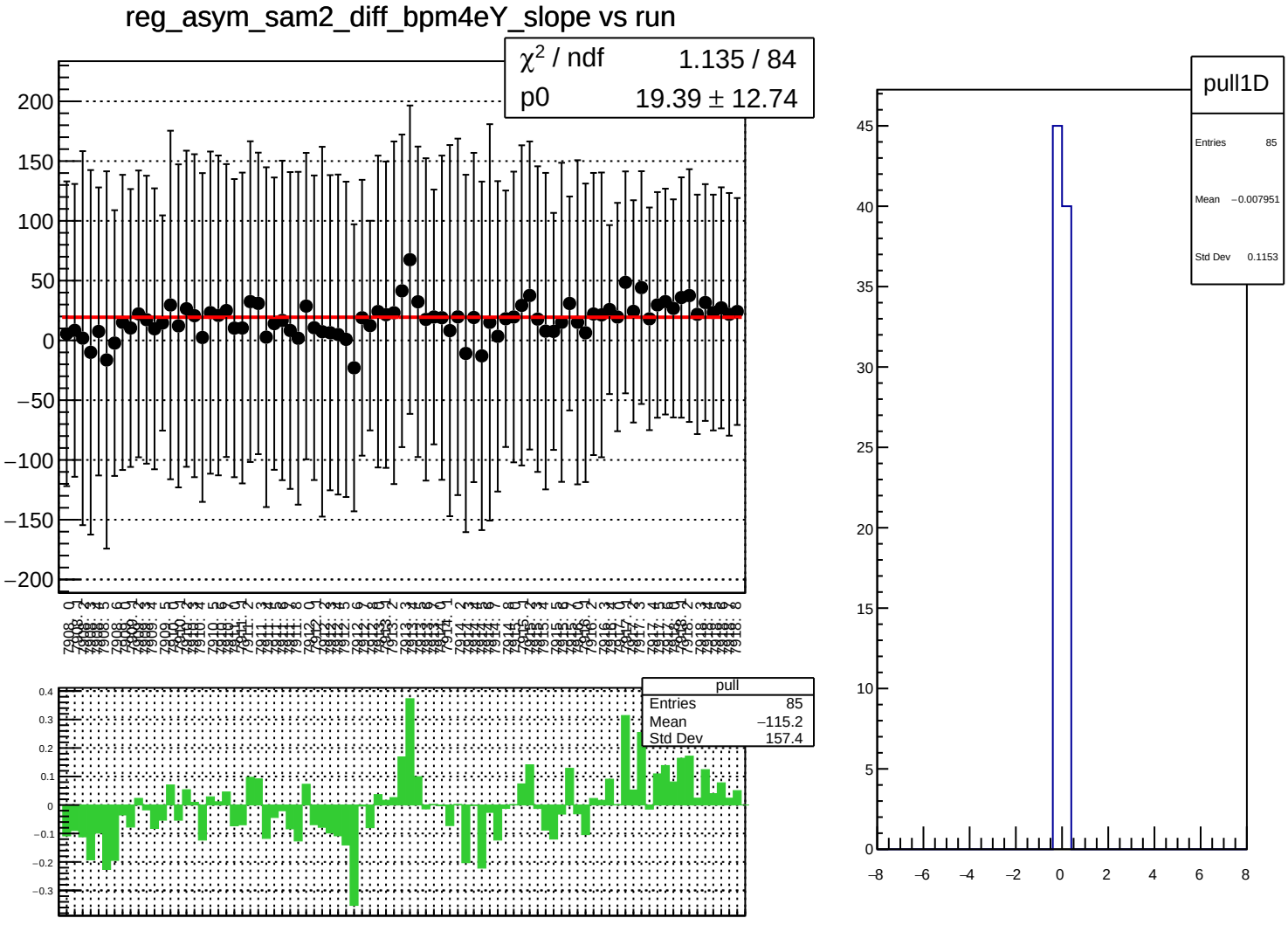

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 7.987 / 84
p0 0.4104 ± 0.02685
pull
Entries 85
Mean −44.24
Std Dev 89.6
pull1D
Entries 85
Mean −0.02564
Std Dev 0.3055

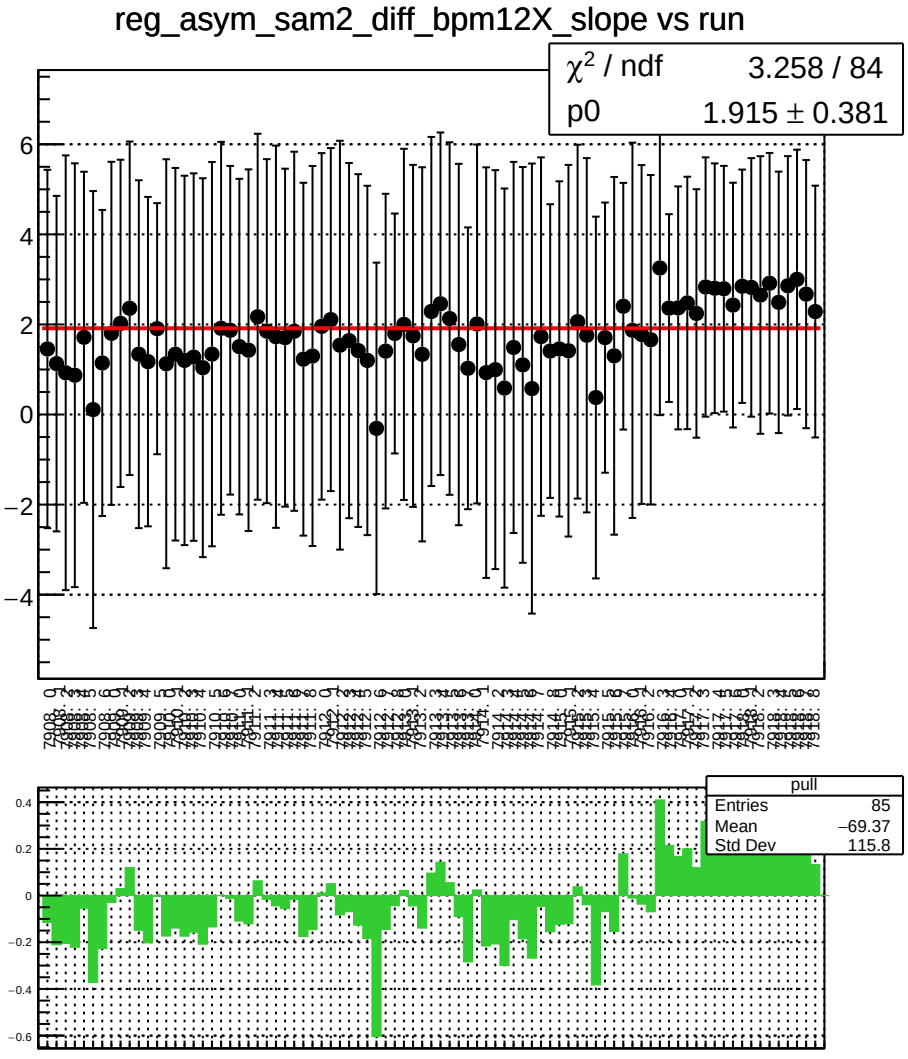

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 9.451 / 84
p0 −145.9 ± 10.82
pull
Entries 85
Mean −58.33
Std Dev 106.7

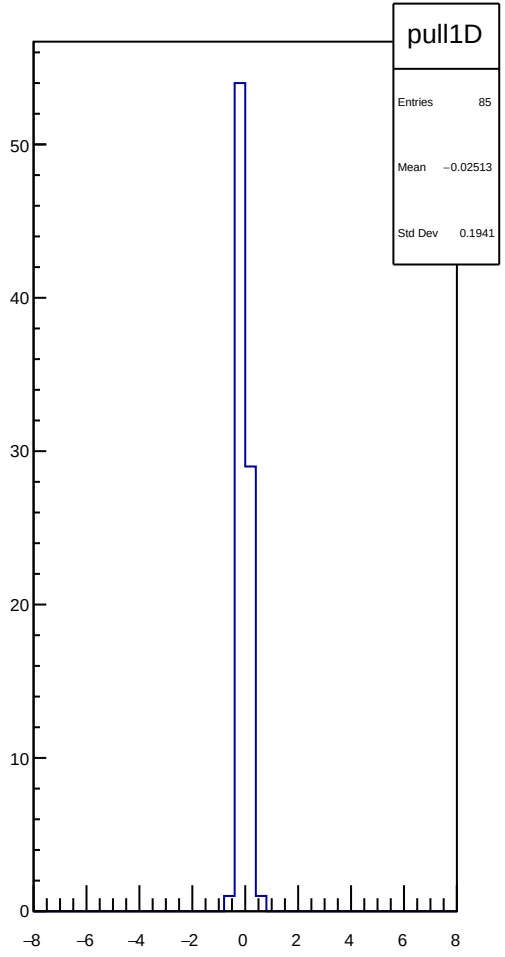

pull1D
Entries 85
Mean −0.05001
Std Dev 0.3297

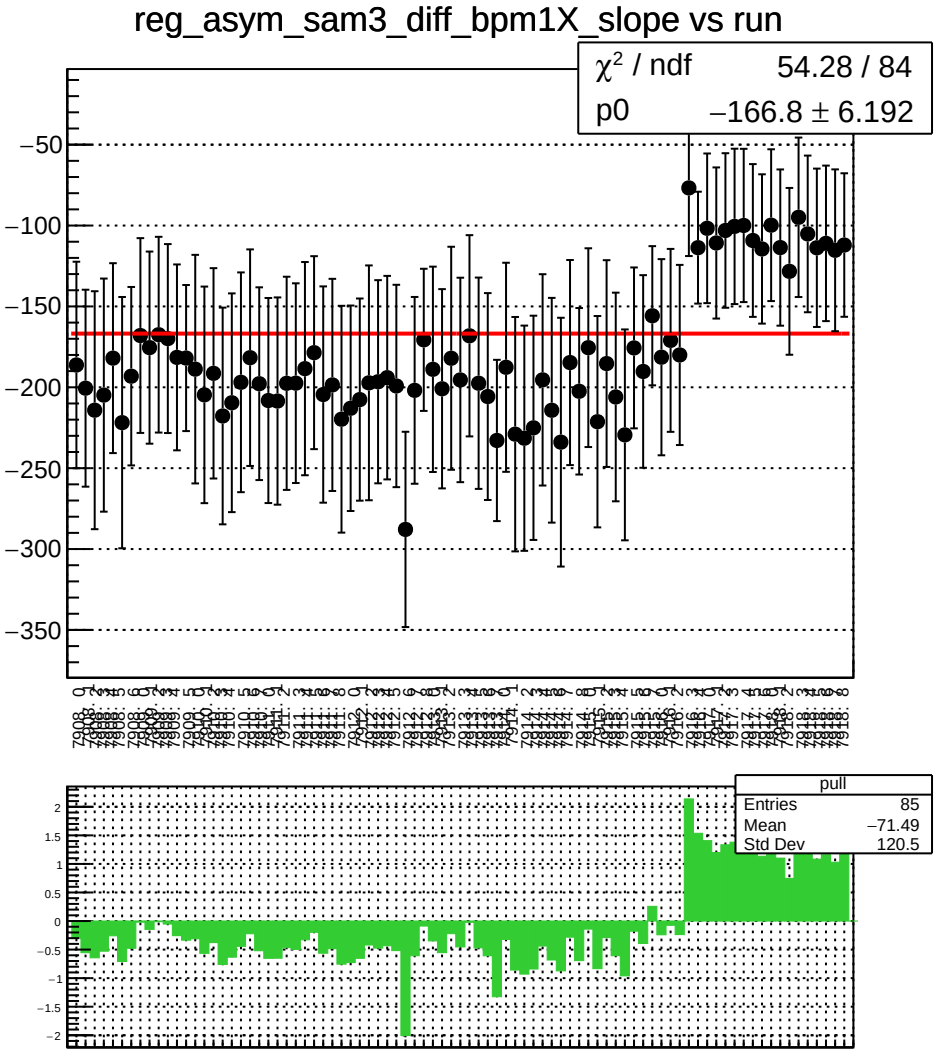

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 1.615 / 84
p0 −175.1 ± 10.96
pull
Entries 85
Mean −123.1
Std Dev 167
pull1D
Entries 85
Mean 0.0116
Std Dev 0.1373

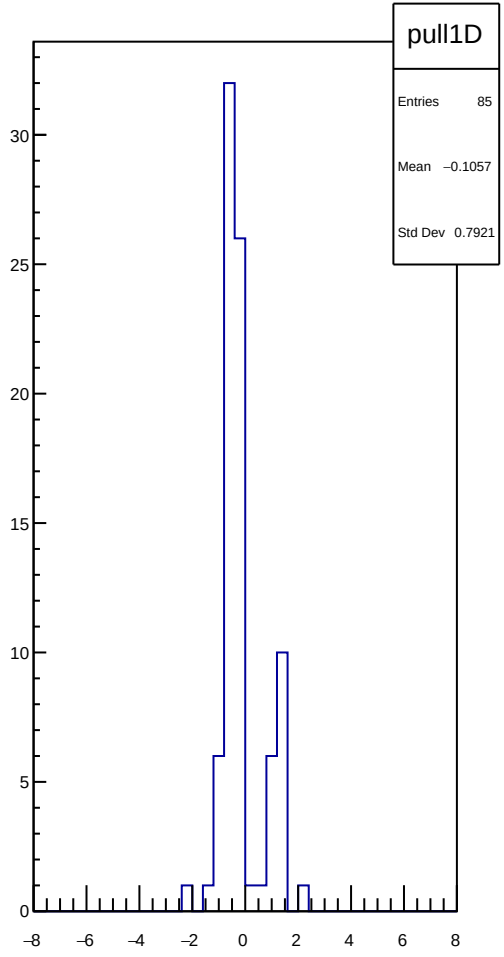

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 7.875 / 84
p0 −82.66 ± 9.243
pull
Entries 85
Mean −77.05
Std Dev 126.5
pull1D
Entries 85
Mean 0.0368
Std Dev 0.3022

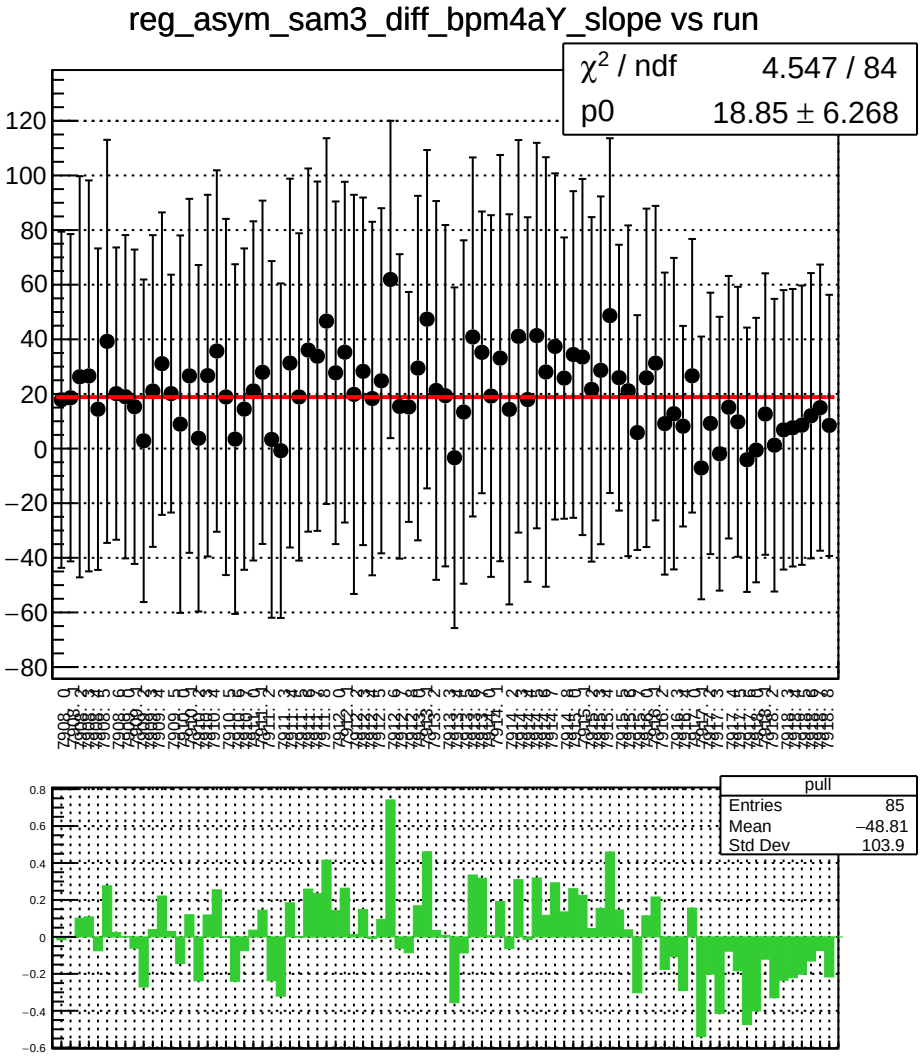

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 1.135 / 84
p0 19.39 ± 12.74
pull
Entries 85
Mean −115.2
Std Dev 157.4
pull1D
Entries 85
Mean −0.007951
Std Dev 0.1153

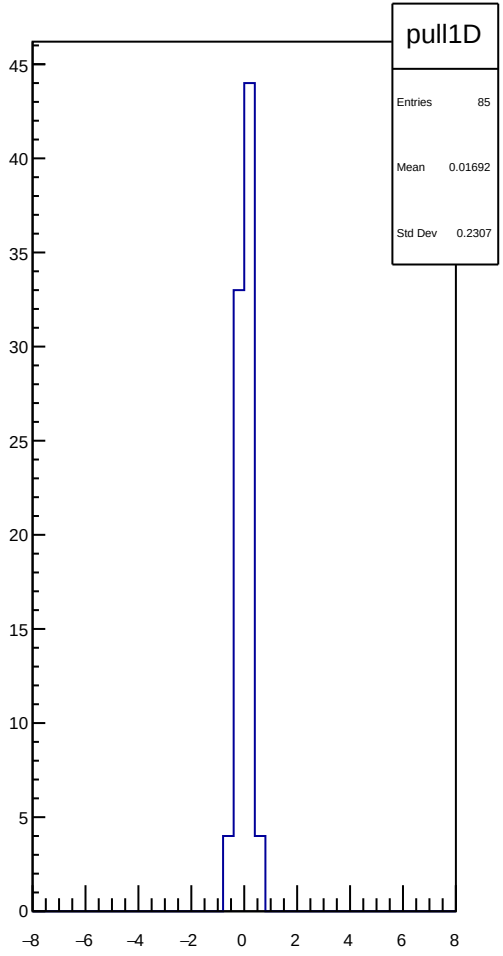

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 3.258 / 84
p0 1.915 ± 0.381
pull
Entries 85
Mean −69.37
Std Dev 115.8

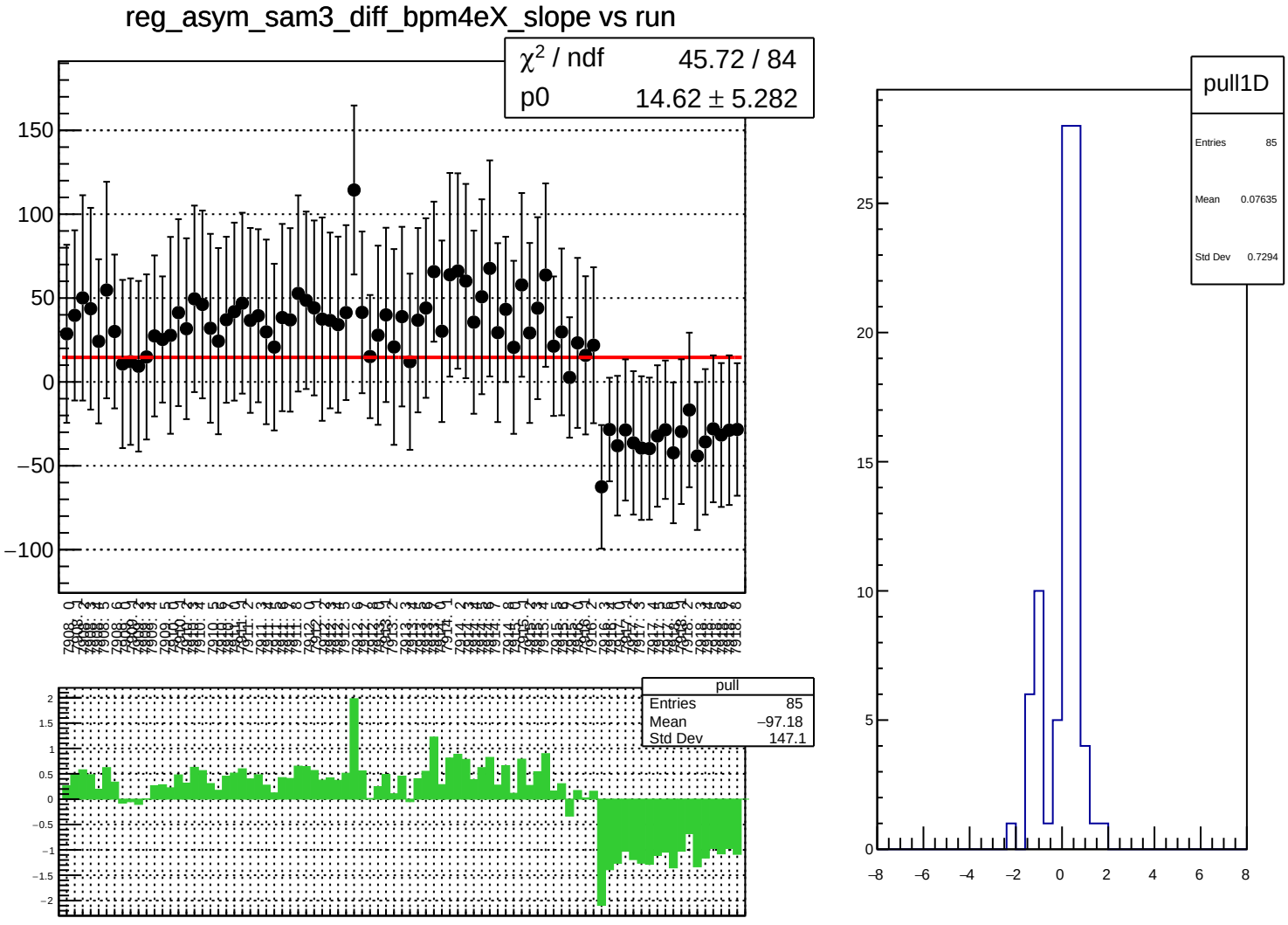

pull1D
Entries 85
Mean −0.02513
Std Dev 0.1941

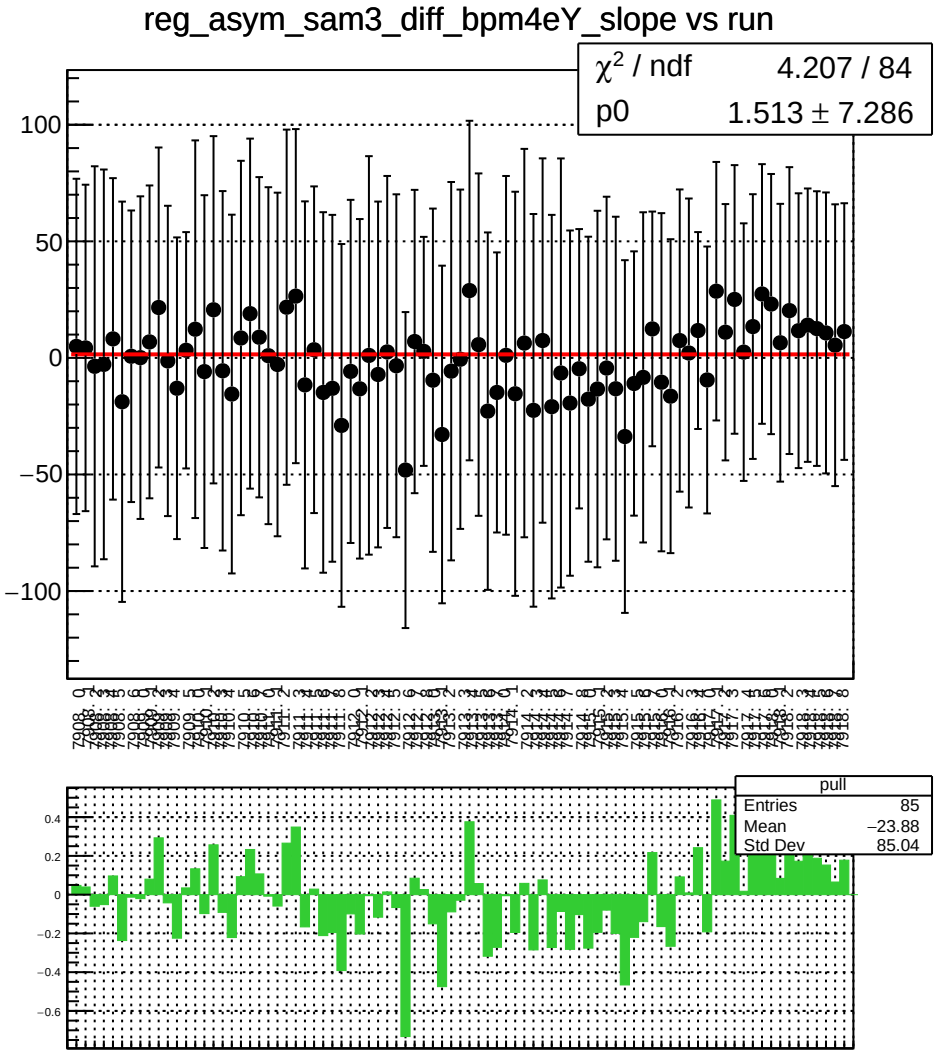

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 54.28 / 84
p0 −166.8 ± 6.192
pull
Entries 85
Mean −71.49
Std Dev 120.5

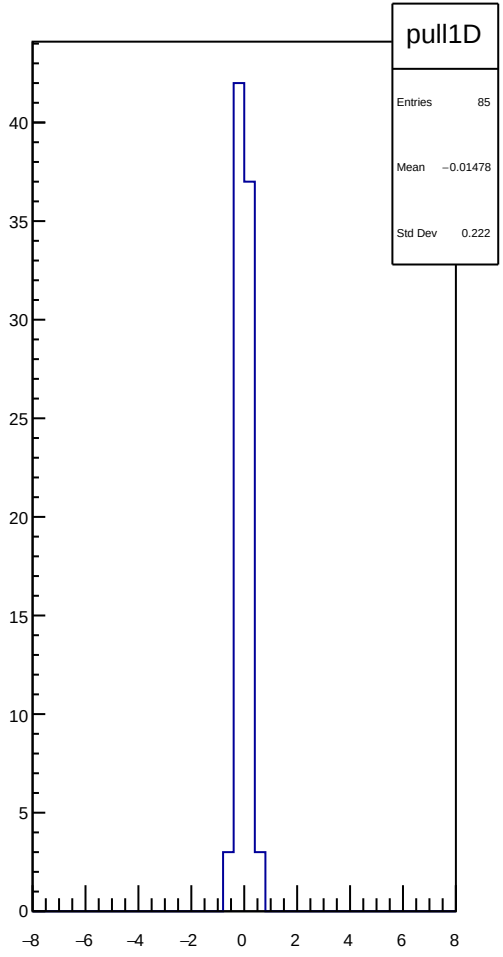

pull1D
Entries 85
Mean −0.1057
Std Dev 0.7921

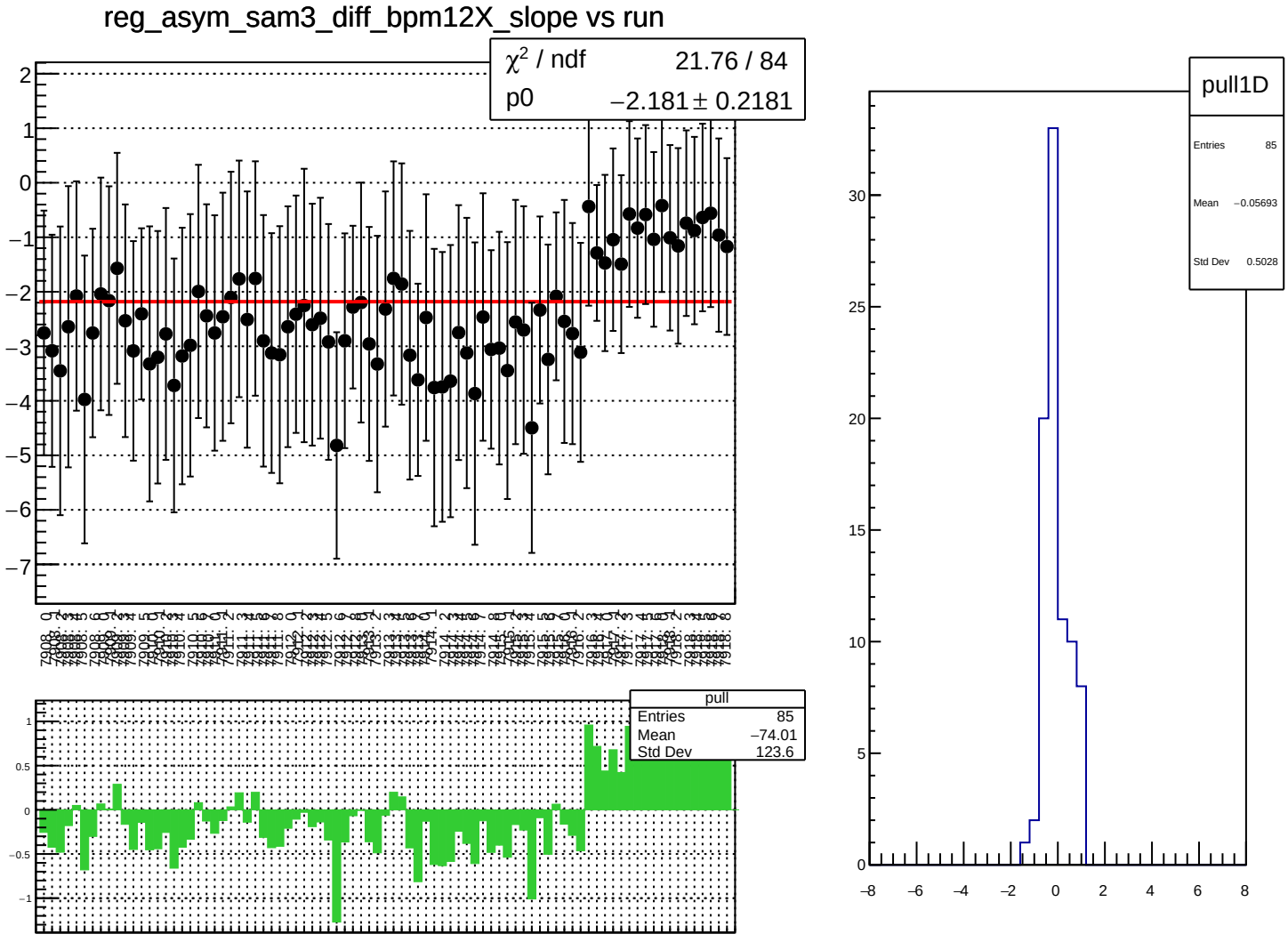

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 4.547 / 84
p0 18.85 ± 6.268
pull
Entries 85
Mean −48.81
Std Dev 103.9

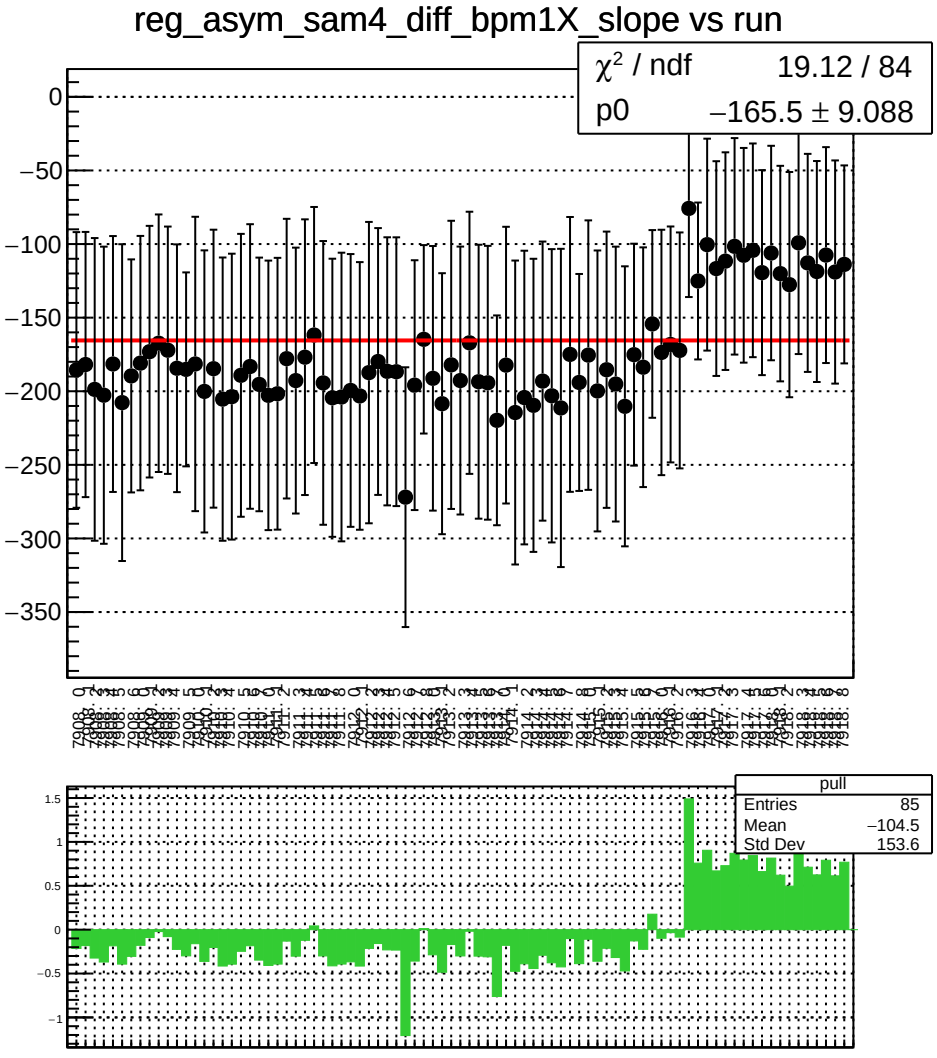

pull1D
Entries 85
Mean 0.01692
Std Dev 0.2307

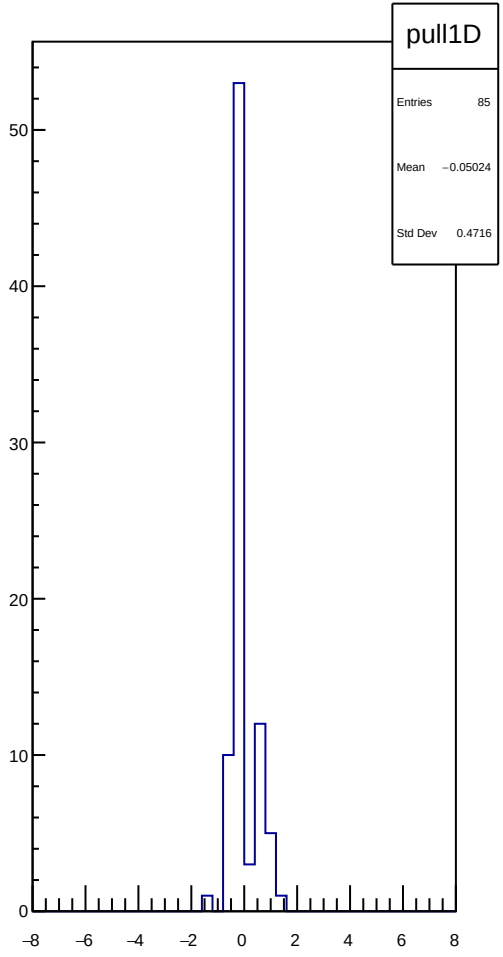

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 45.72 / 84
p0 14.62 ± 5.282
pull
Entries 85
Mean −97.18
Std Dev 147.1
pull1D
Entries 85
Mean 0.07635
Std Dev 0.7294

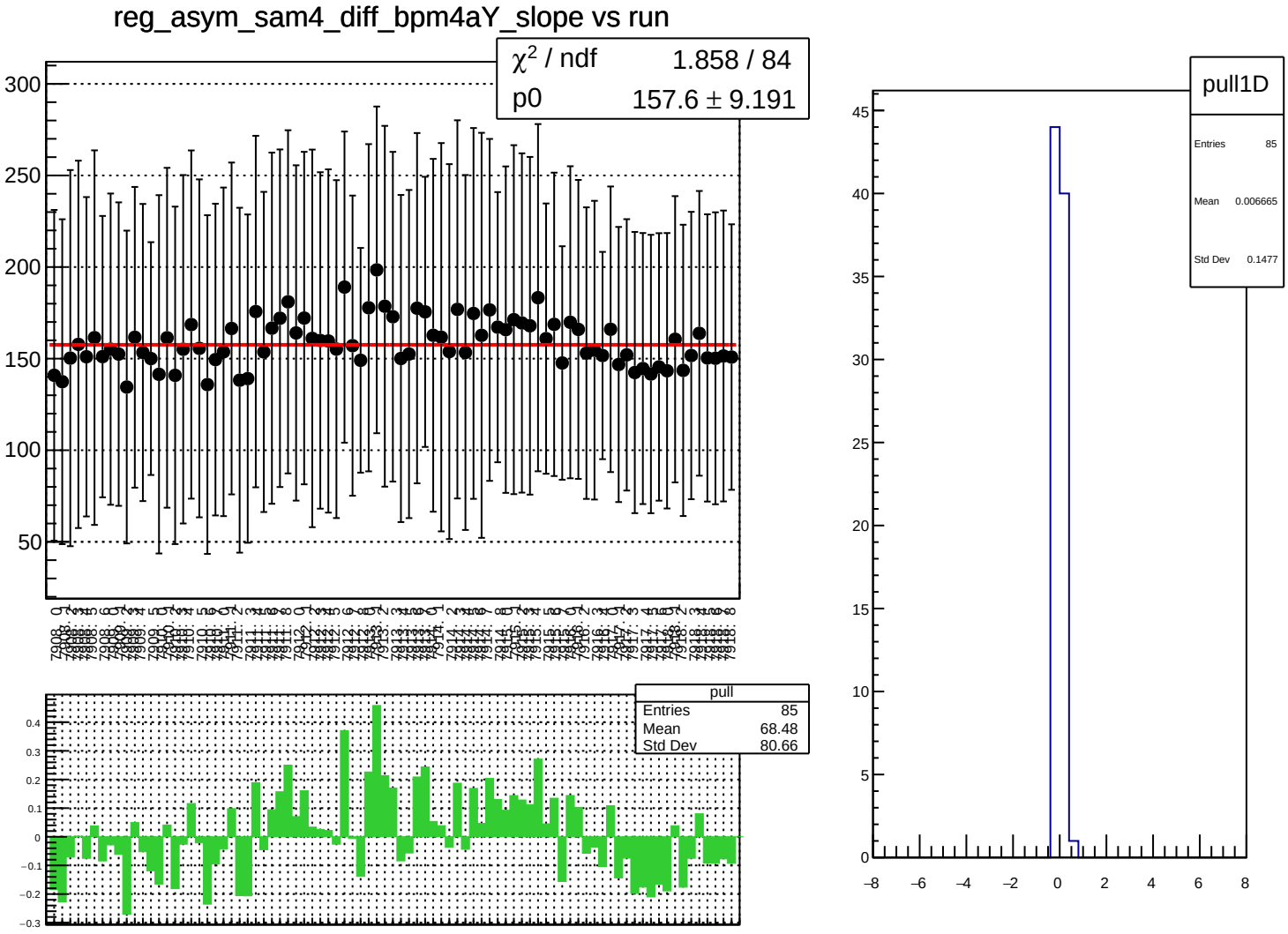

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 4.207 / 84
p0 1.513 ± 7.286
pull
Entries 85
Mean −23.88
Std Dev 85.04

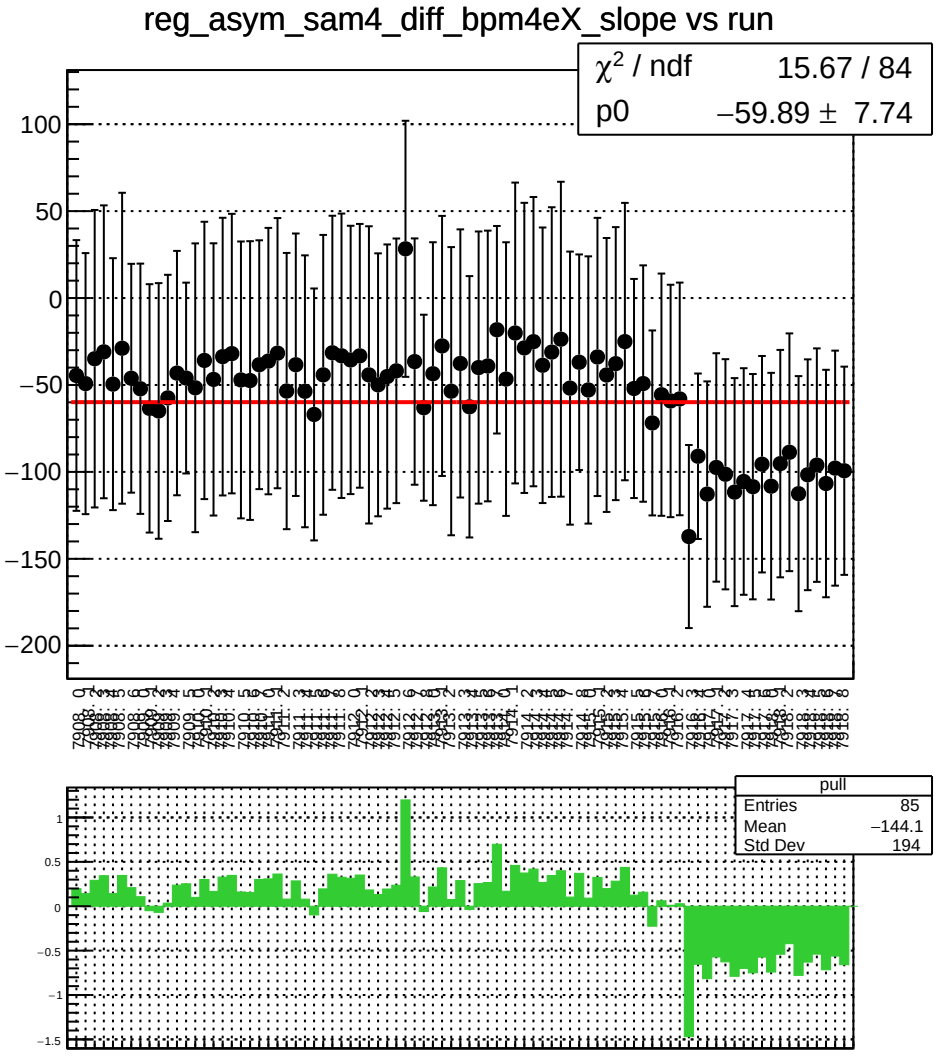

pull1D
Entries 85
Mean −0.01478
Std Dev 0.222

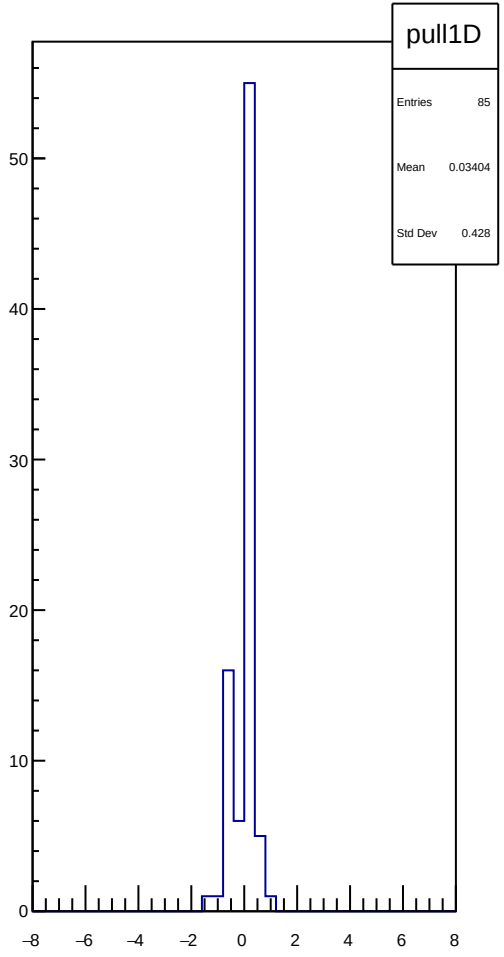

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 21.76 / 84
p0 −2.181 ± 0.2181
pull
Entries 85
Mean −74.01
Std Dev 123.6
pull1D
Entries 85
Mean −0.05693
Std Dev 0.5028

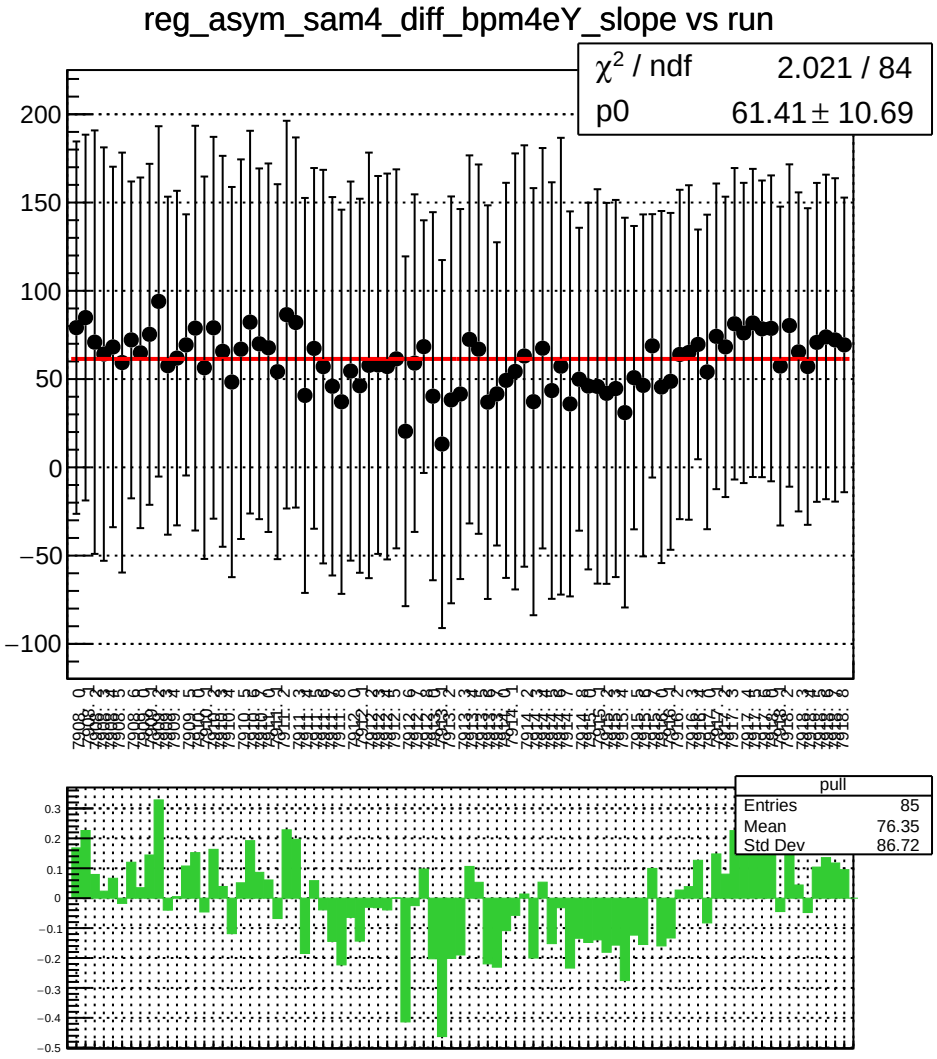

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 19.12 / 84
p0 −165.5 ± 9.088
pull
Entries 85
Mean −104.5
Std Dev 153.6

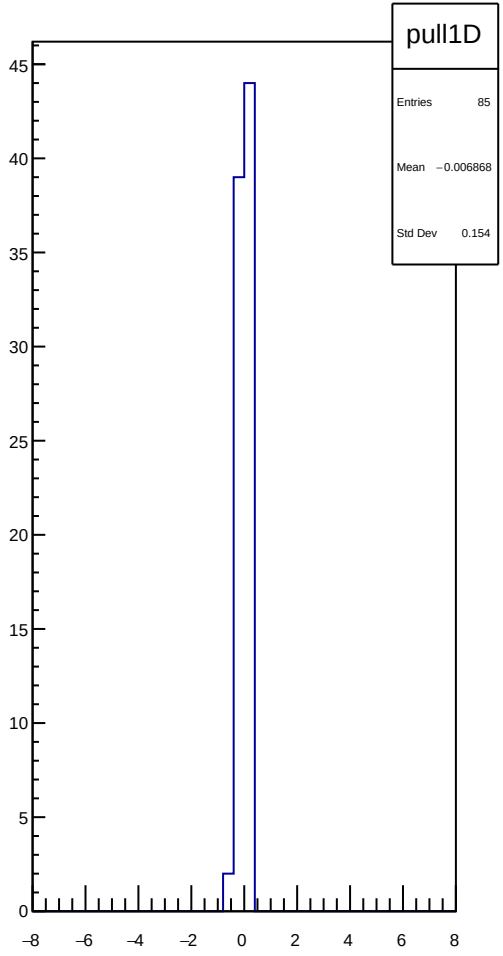

pull1D
Entries 85
Mean −0.05024
Std Dev 0.4716

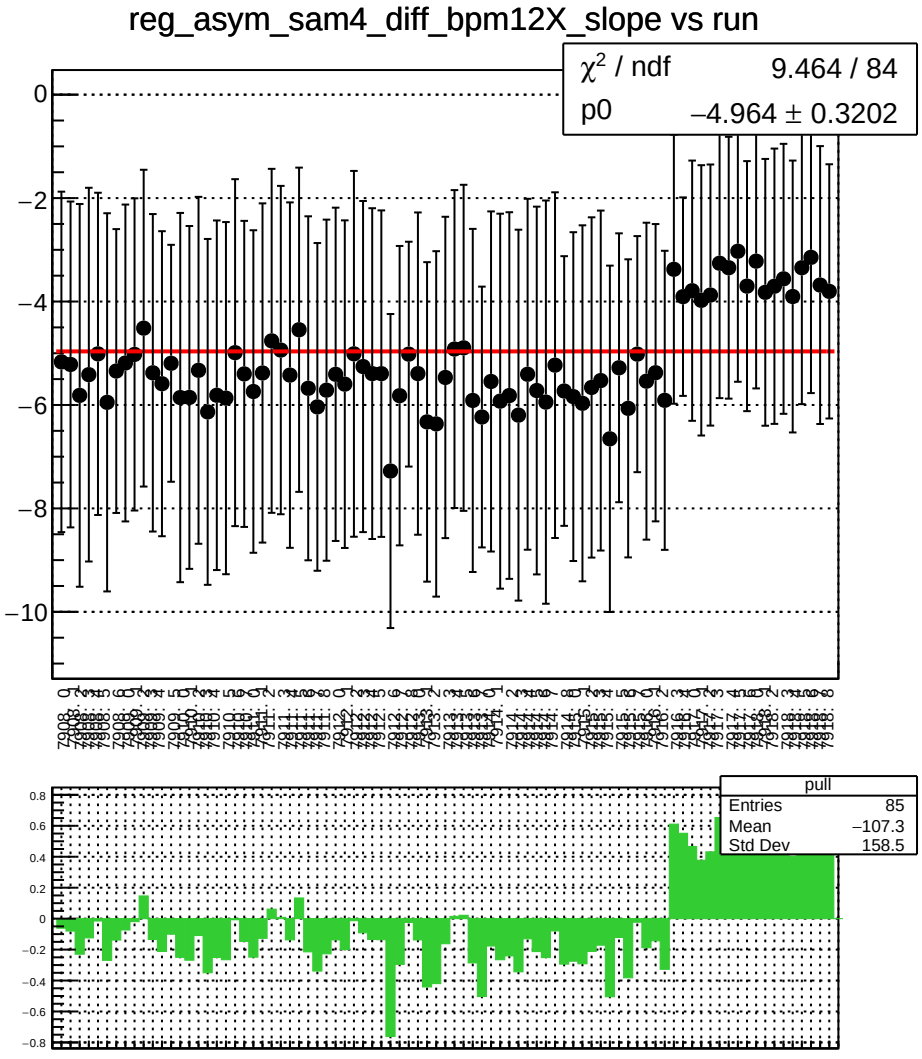

reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 1.858 / 84
p0 157.6 ± 9.191
pull
Entries 85
Mean 68.48
Std Dev 80.66
pull1D
Entries 85
Mean 0.006665
Std Dev 0.1477

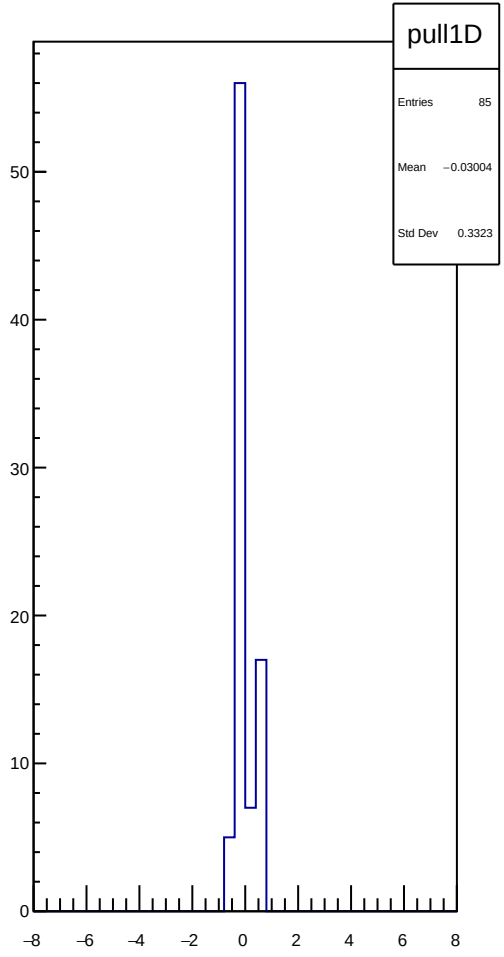

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 15.67 / 84
p0 −59.89 ± 7.74
pull
Entries 85
Mean −144.1
Std Dev 194

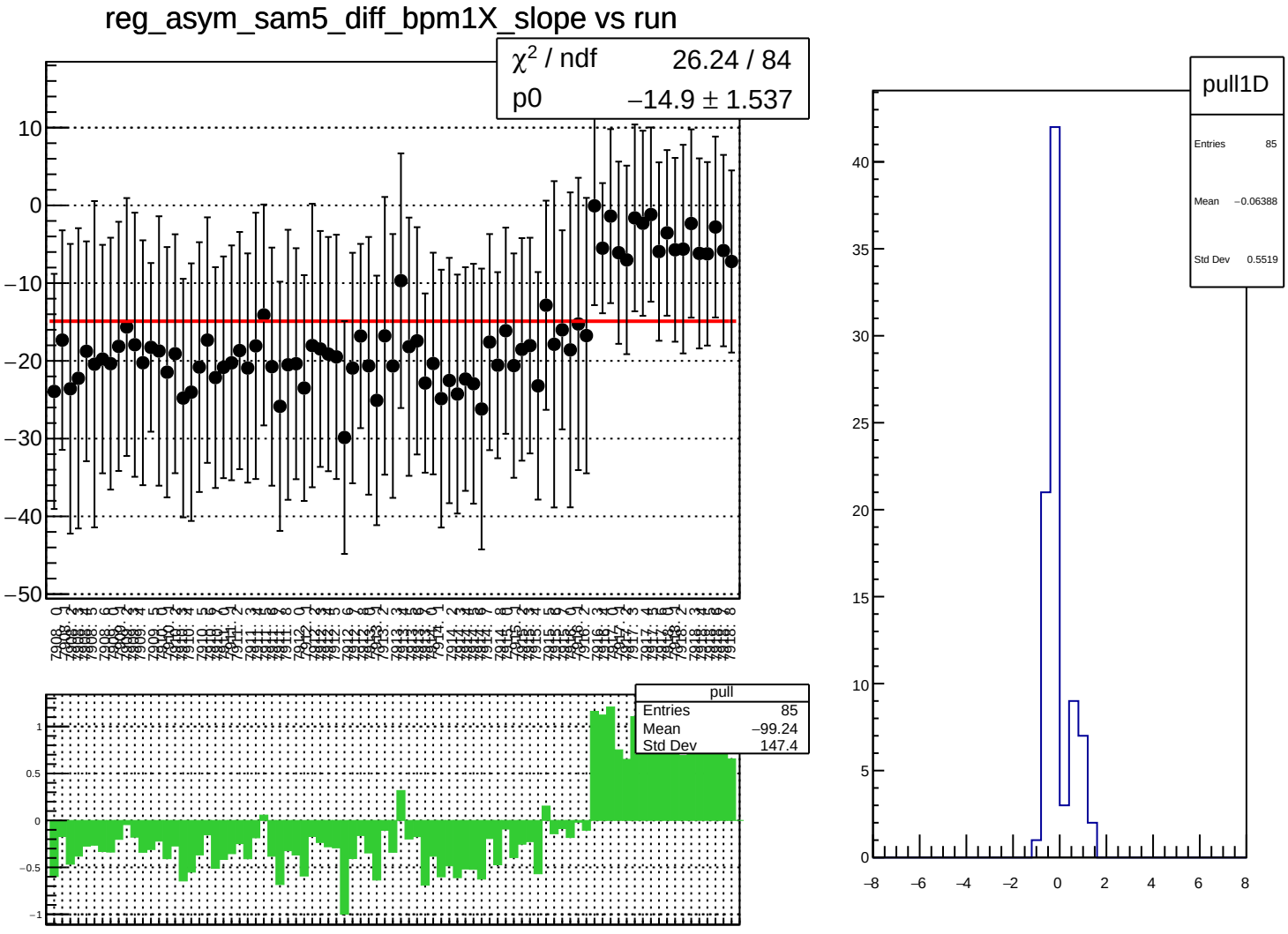

pull1D
Entries 85
Mean 0.03404
Std Dev 0.428

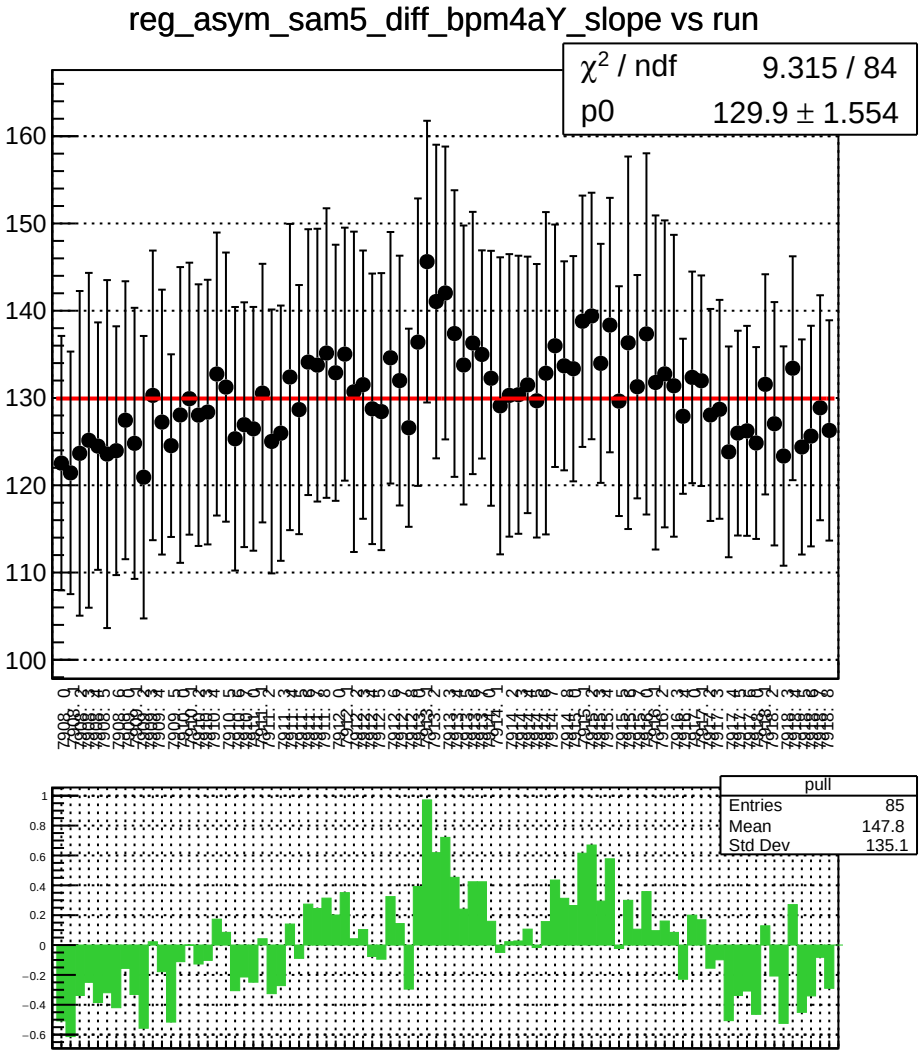

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 2.021 / 84
p0 61.41 ± 10.69
pull
Entries 85
Mean 76.35
Std Dev 86.72

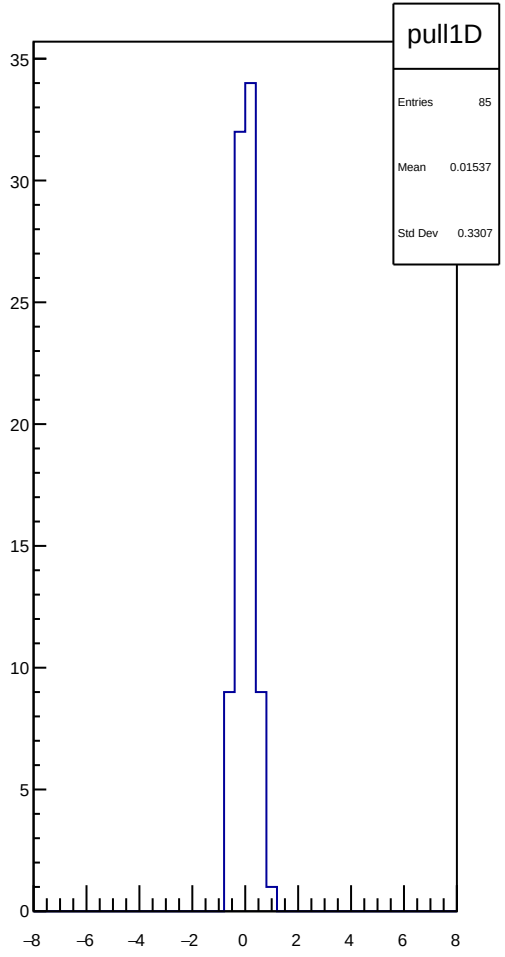

pull1D
Entries 85
Mean −0.006868
Std Dev 0.154

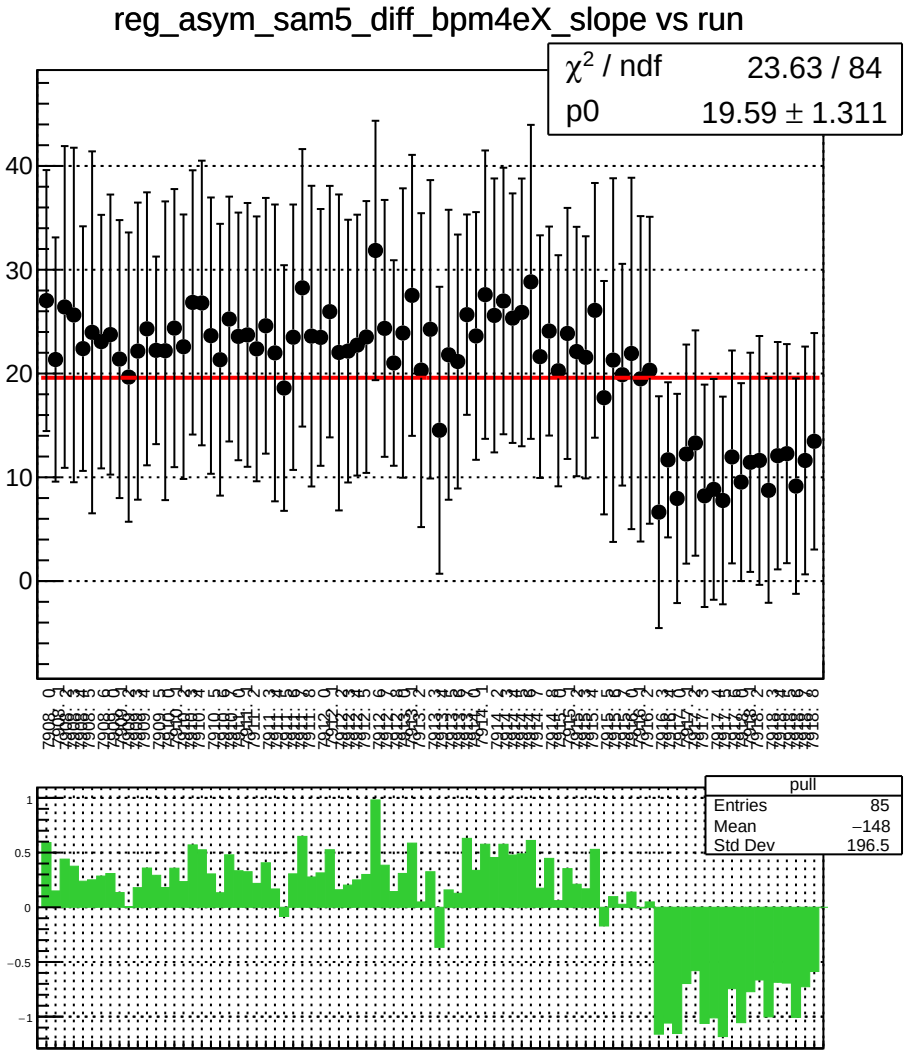

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 9.464 / 84
p0 −4.964 ± 0.3202
pull
Entries 85
Mean −107.3
Std Dev 158.5

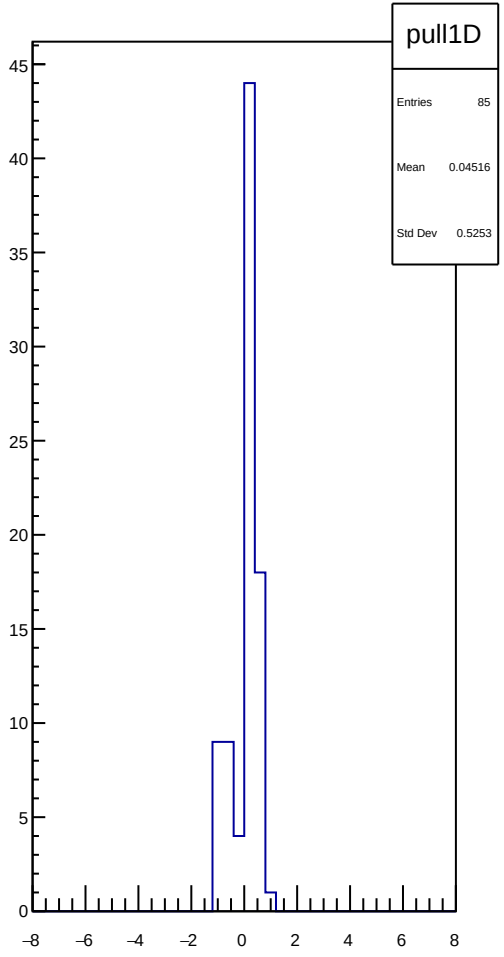

pull1D
Entries 85
Mean −0.03004
Std Dev 0.3323

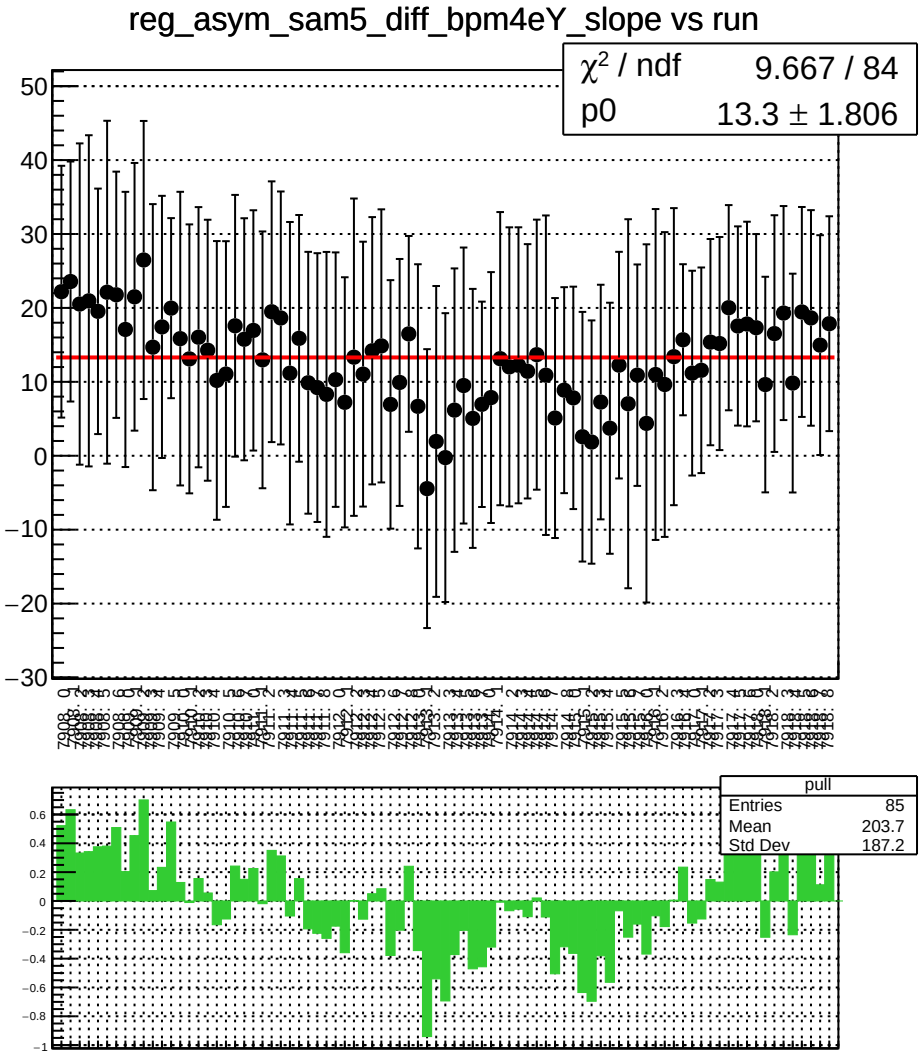

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 26.24 / 84
p0 −14.9 ± 1.537
pull
Entries 85
Mean −99.24
Std Dev 147.4
pull1D
Entries 85
Mean −0.06388
Std Dev 0.5519

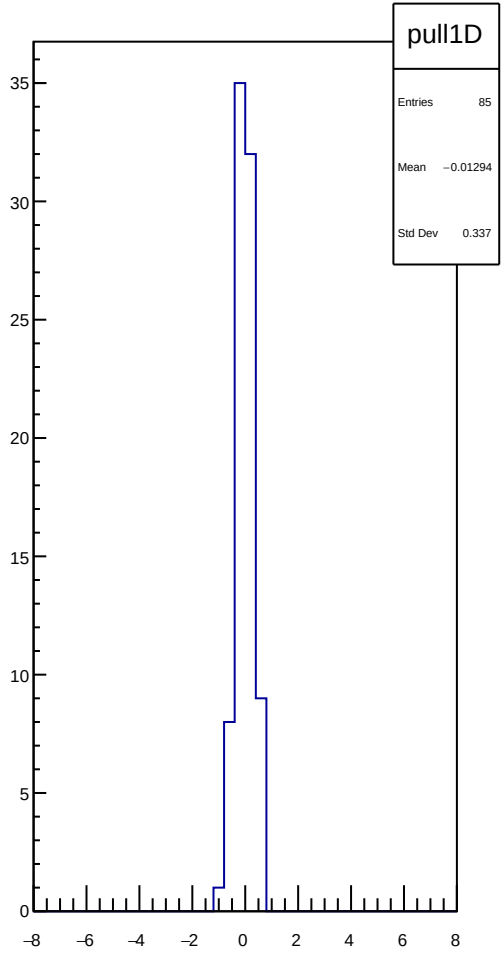

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 9.315 / 84
p0 129.9 ± 1.554
pull
Entries 85
Mean 147.8
Std Dev 135.1

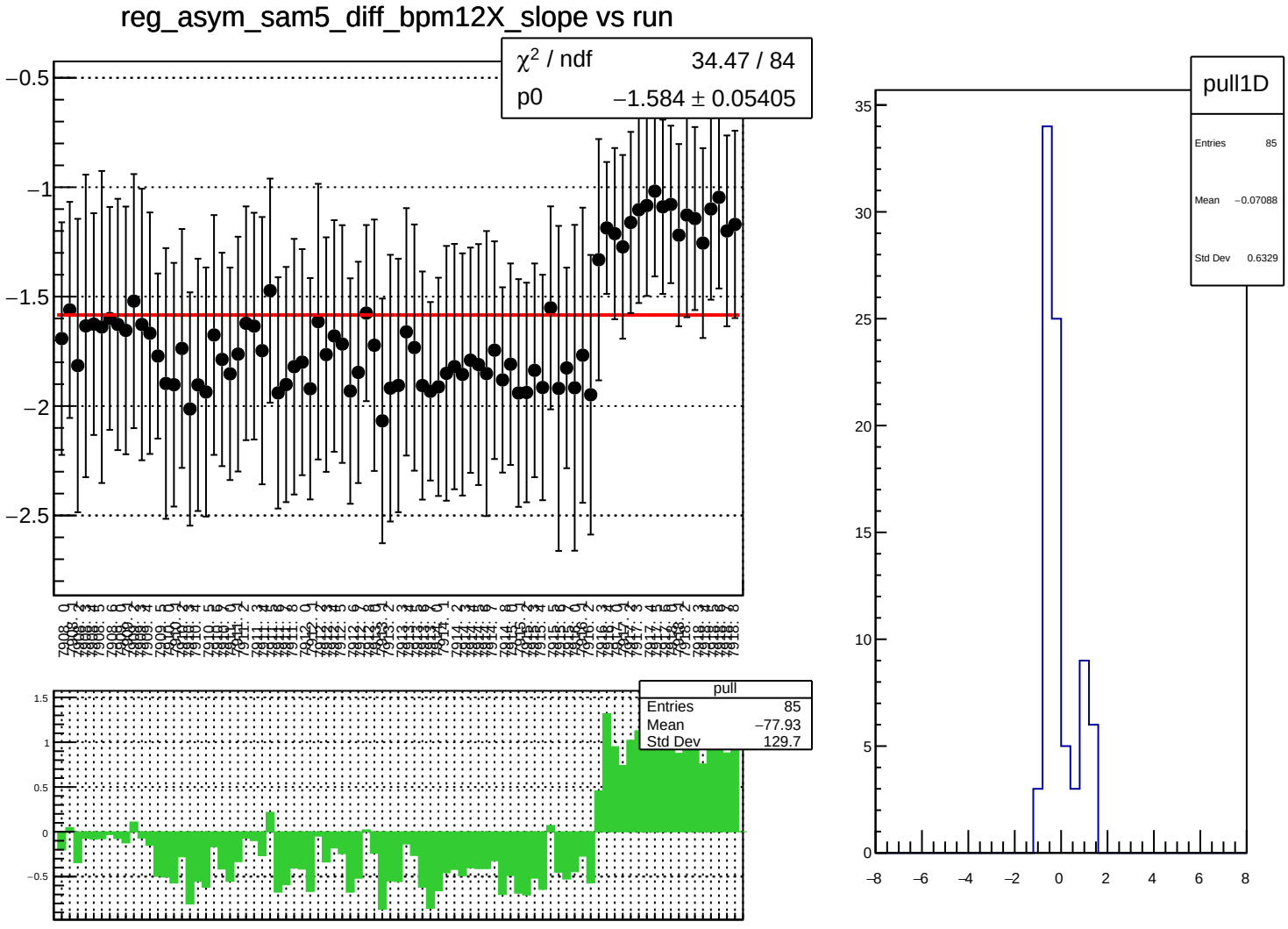

pull1D
Entries 85
Mean 0.01537
Std Dev 0.3307

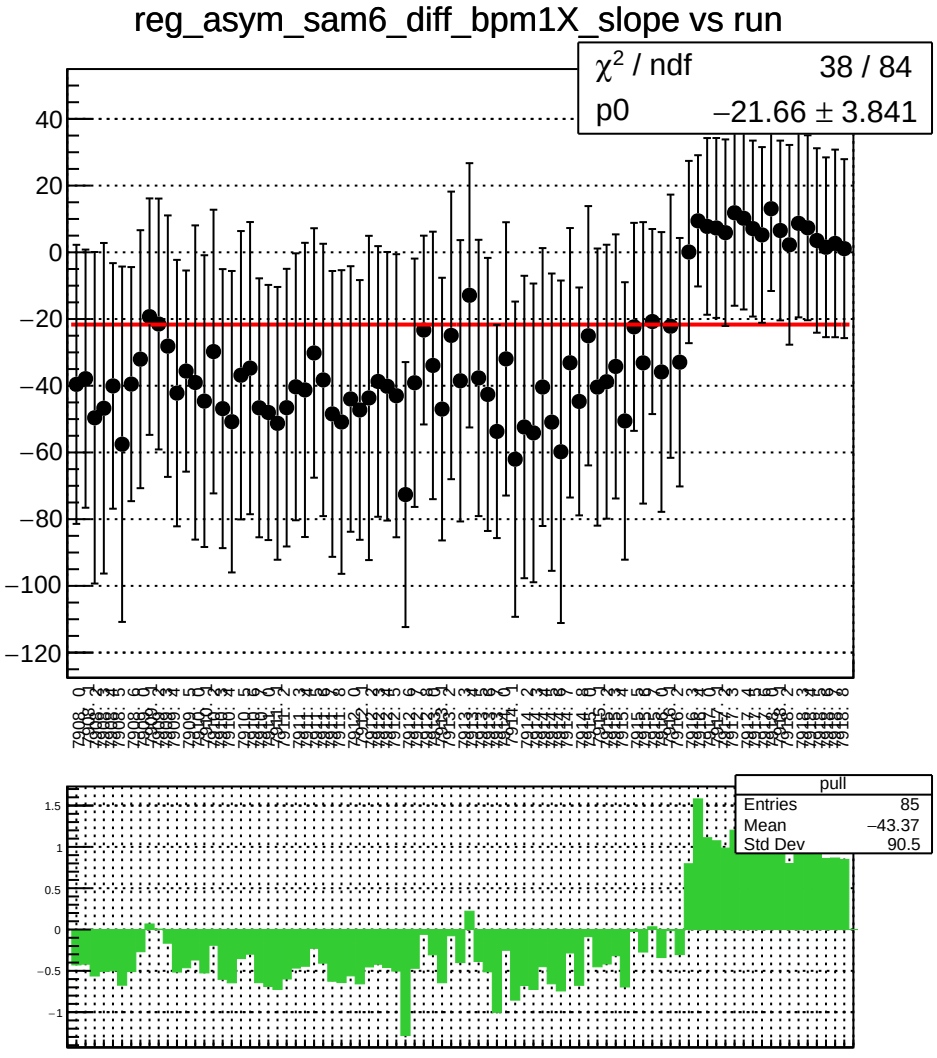

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 23.63 / 84
p0 19.59 ± 1.311
pull
Entries 85
Mean −148
Std Dev 196.5

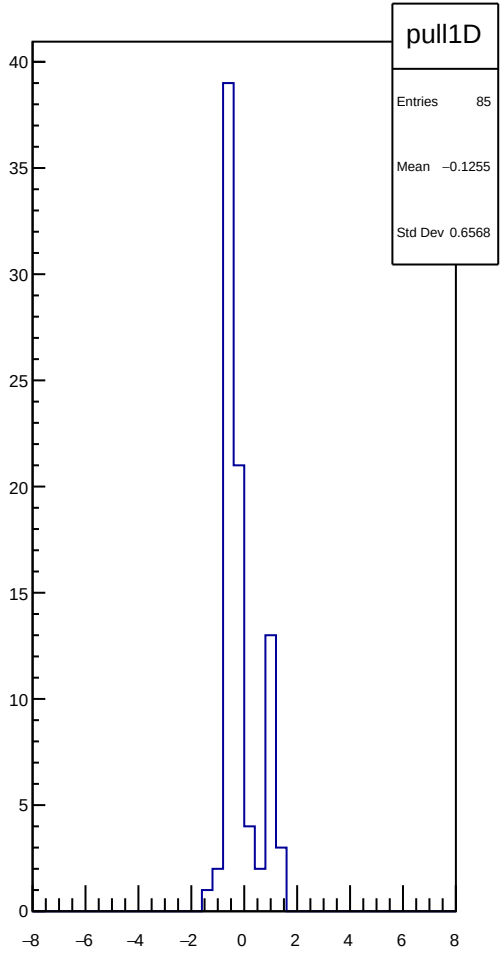

pull1D
Entries 85
Mean 0.04516
Std Dev 0.5253

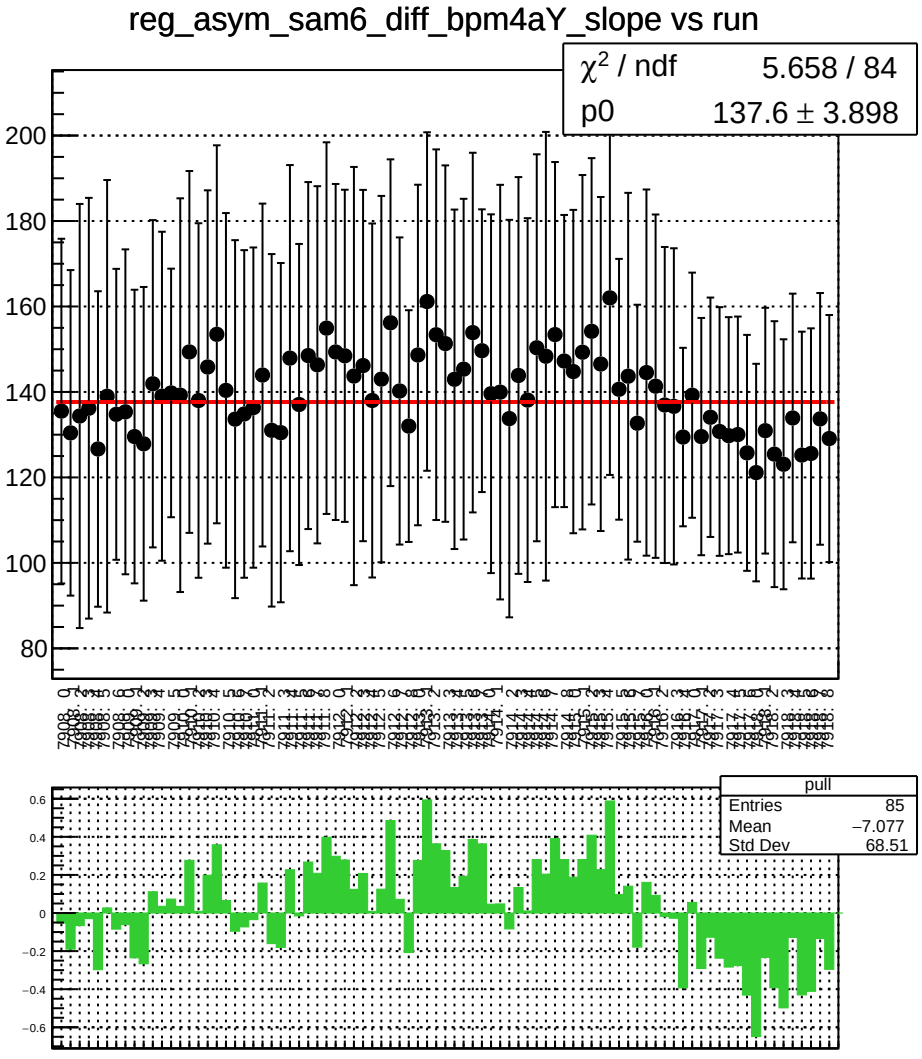

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 9.667 / 84
p0 13.3 ± 1.806
pull
Entries 85
Mean 203.7
Std Dev 187.2

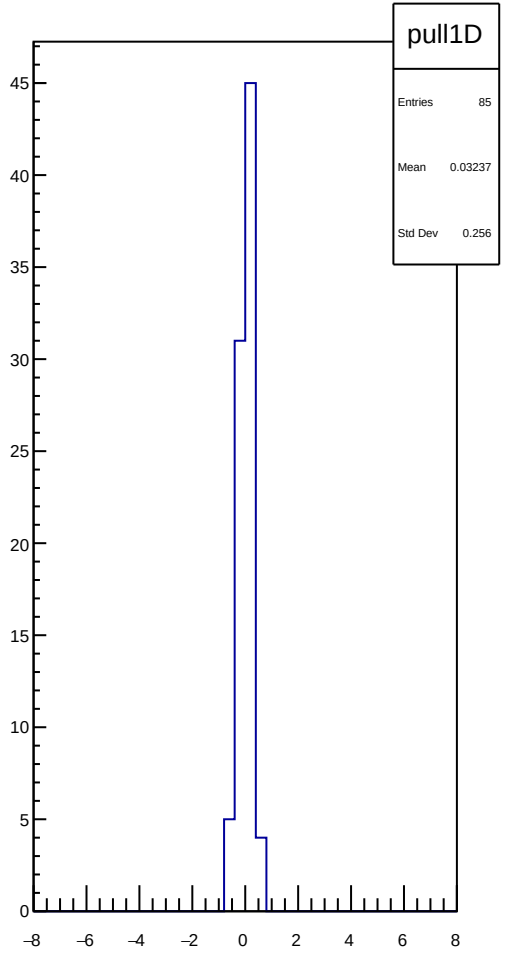

pull1D
Entries 85
Mean −0.01294
Std Dev 0.337

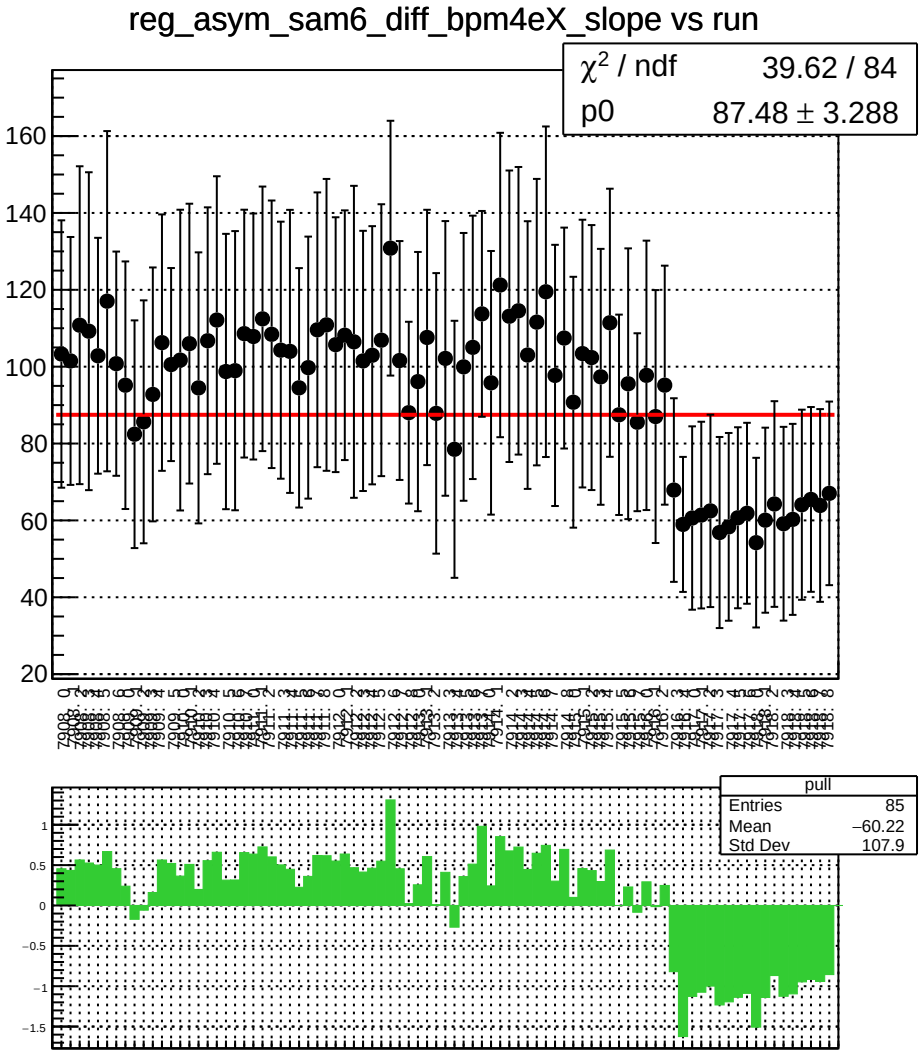

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 34.47 / 84
p0 −1.584 ± 0.05405
pull
Entries 85
Mean −77.93
Std Dev 129.7
pull1D
Entries 85
Mean −0.07088
Std Dev 0.6329

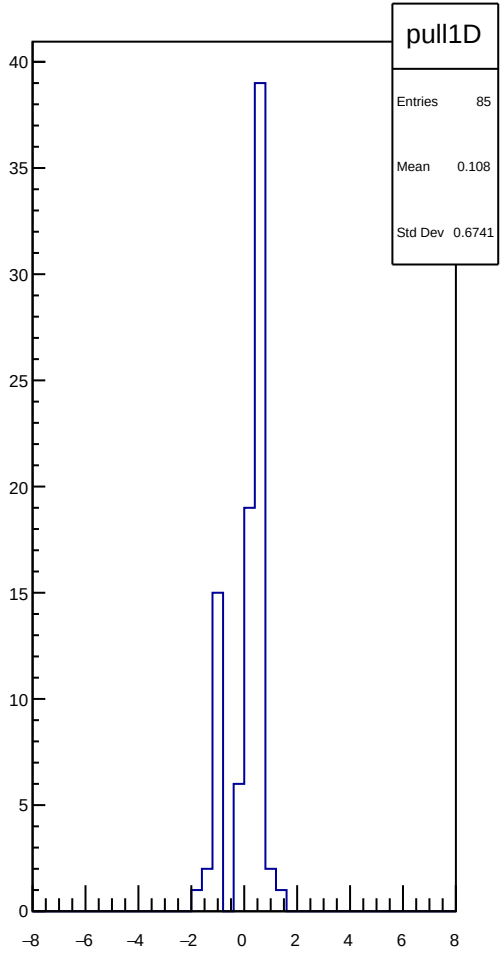

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 38 / 84
p0 −21.66 ± 3.841
pull
Entries 85
Mean −43.37
Std Dev 90.5

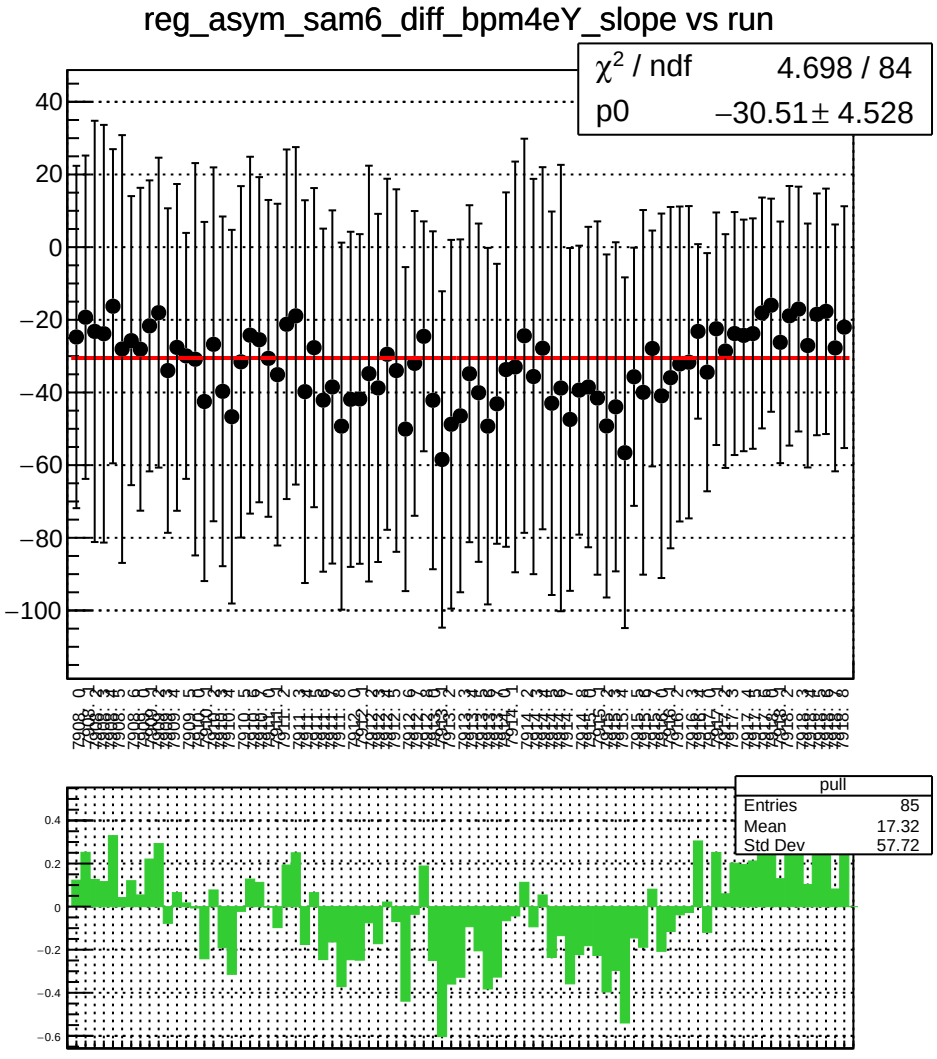

pull1D
Entries 85
Mean −0.1255
Std Dev 0.6568

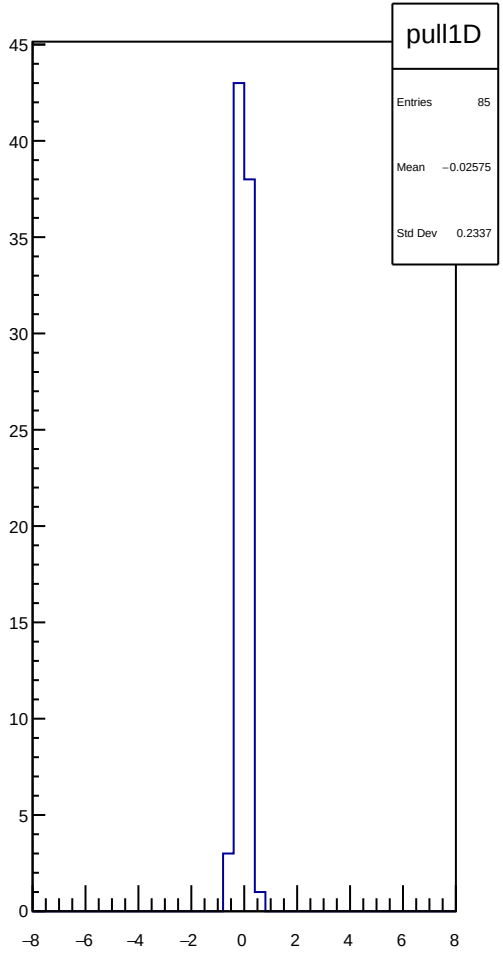

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 5.658 / 84
p0 137.6 ± 3.898
pull
Entries 85
Mean −7.077
Std Dev 68.51

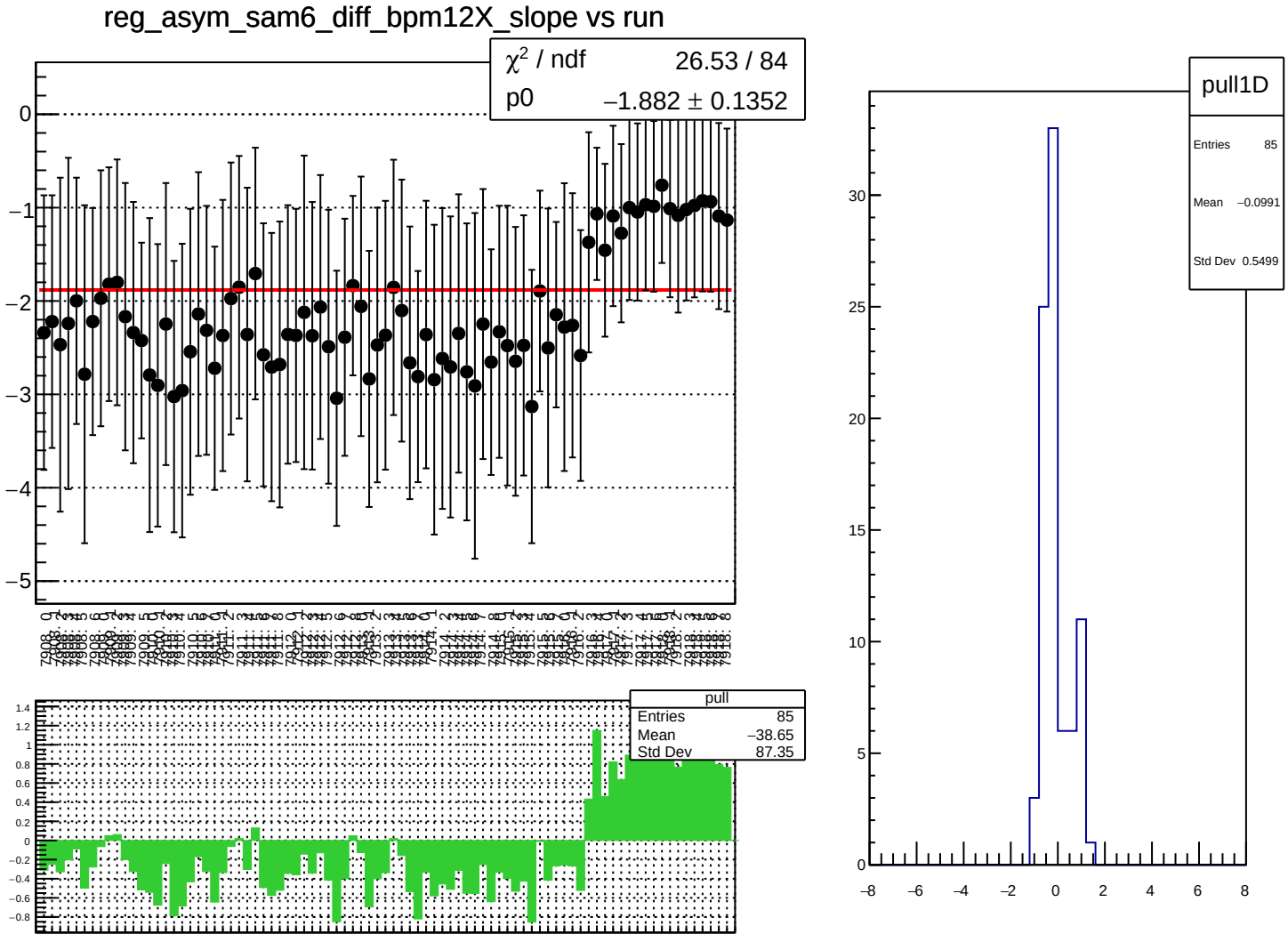

pull1D
Entries 85
Mean 0.03237
Std Dev 0.256

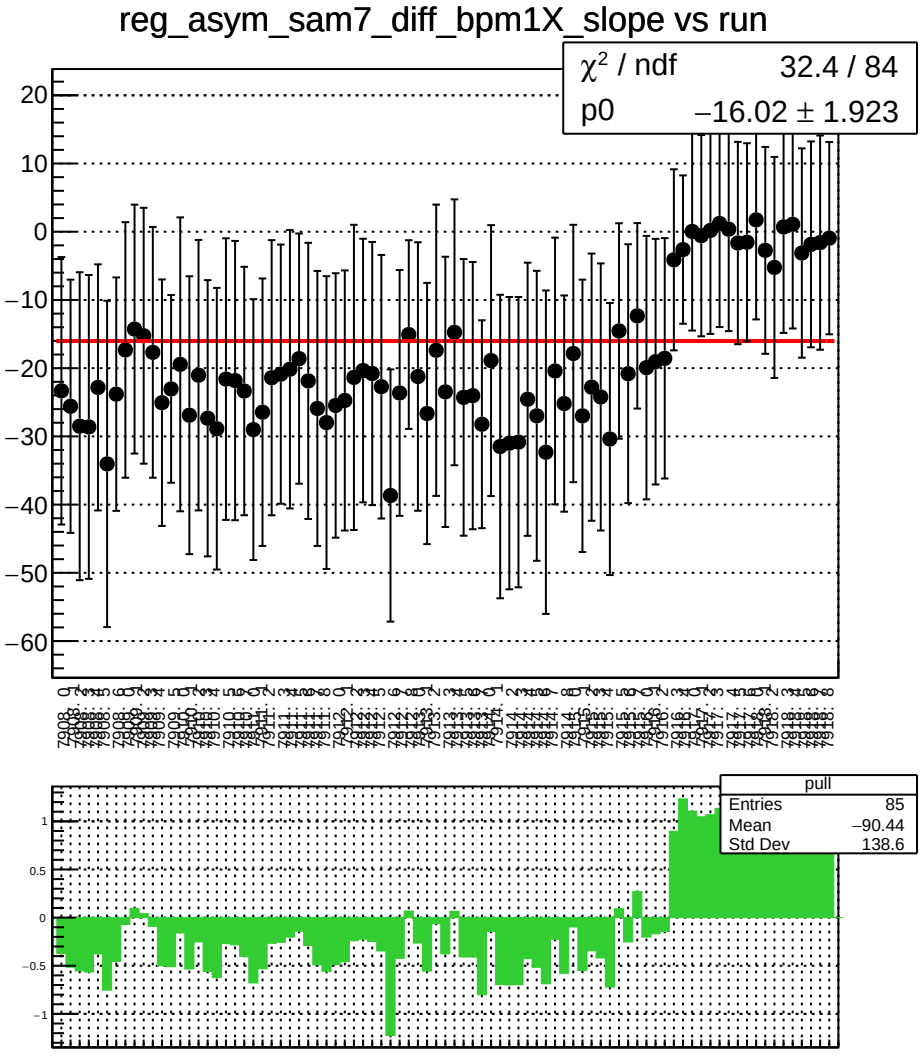

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 39.62 / 84
p0 87.48 ± 3.288
pull
Entries 85
Mean −60.22
Std Dev 107.9

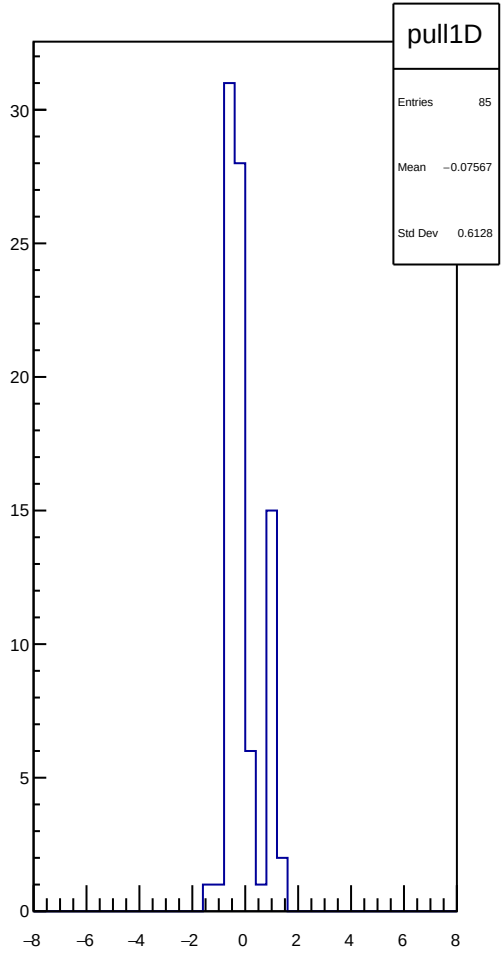

pull1D
Entries 85
Mean 0.108
Std Dev 0.6741

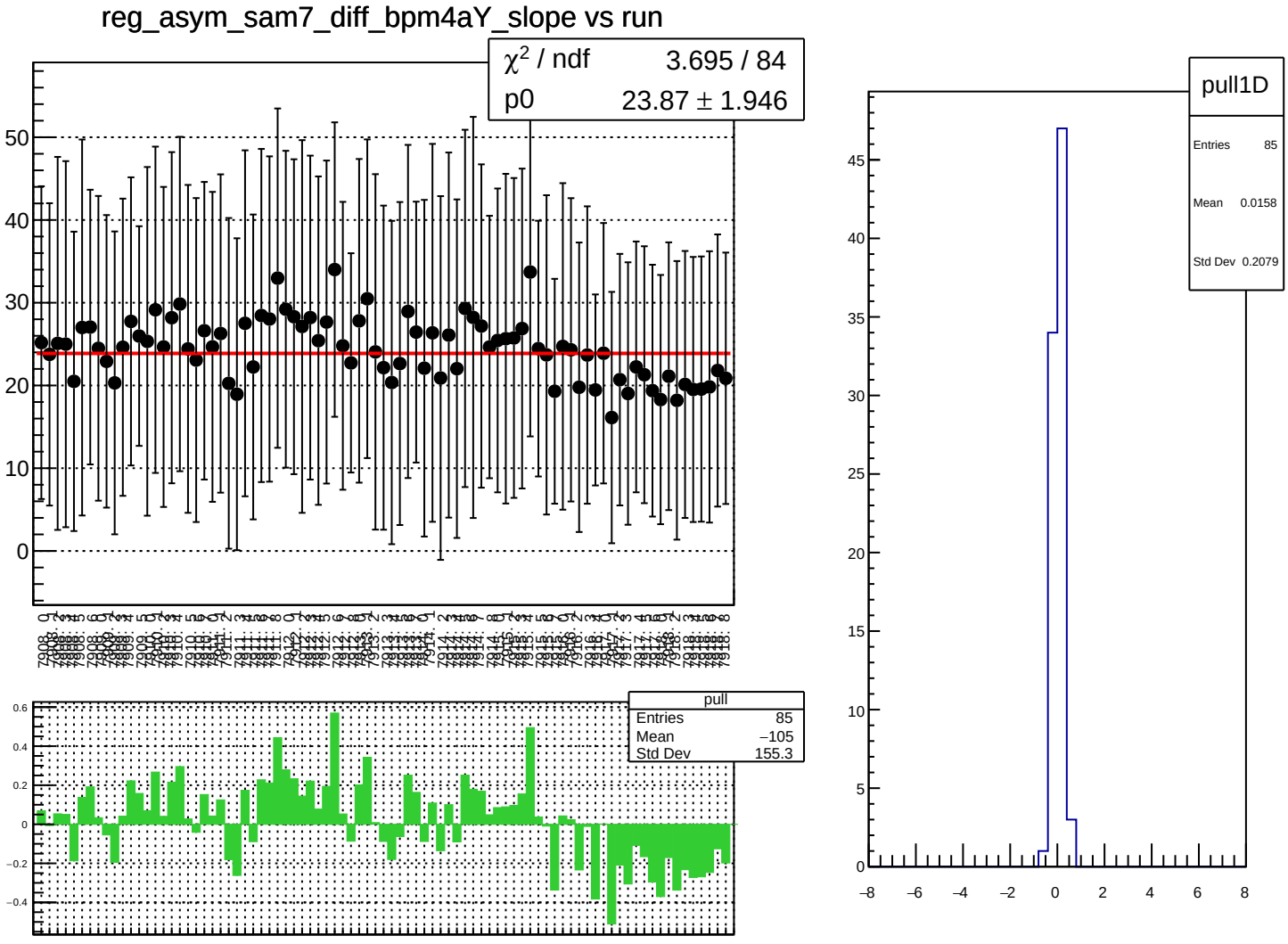

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 4.698 / 84
p0 −30.51 ± 4.528
pull
Entries 85
Mean 17.32
Std Dev 57.72

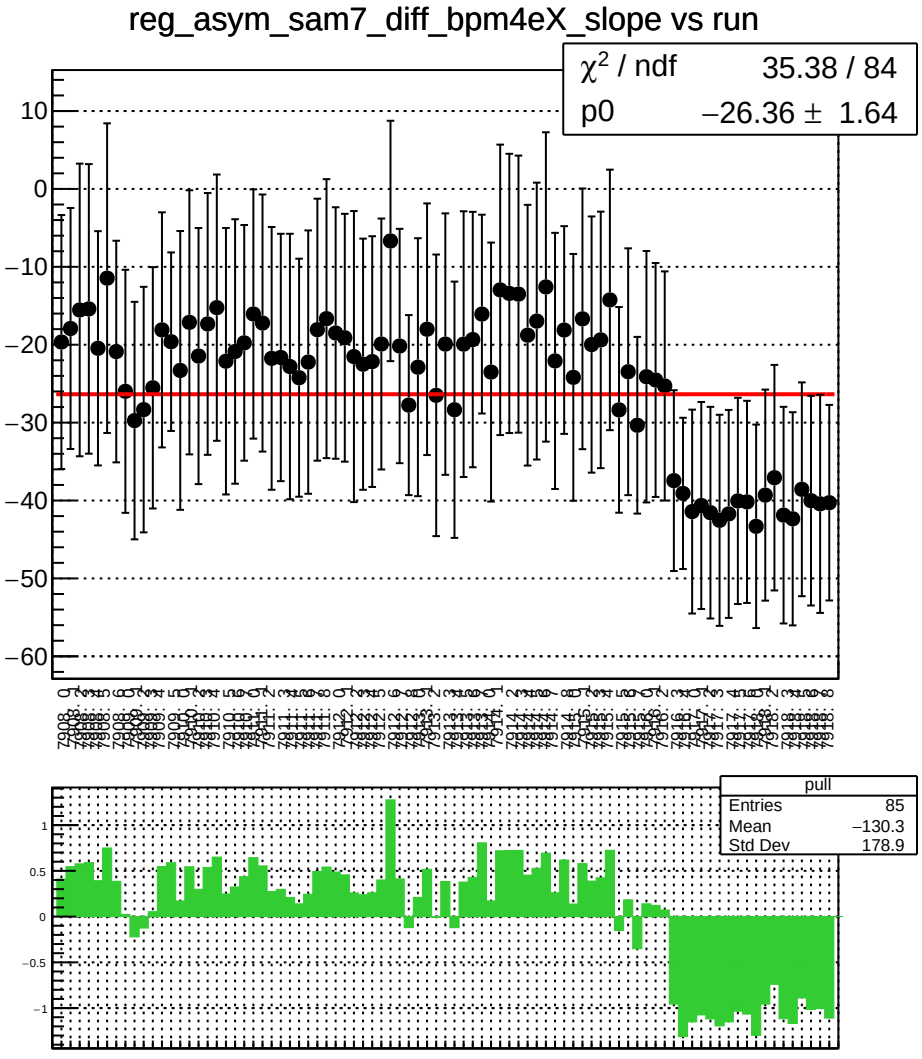

pull1D
Entries 85
Mean −0.02575
Std Dev 0.2337

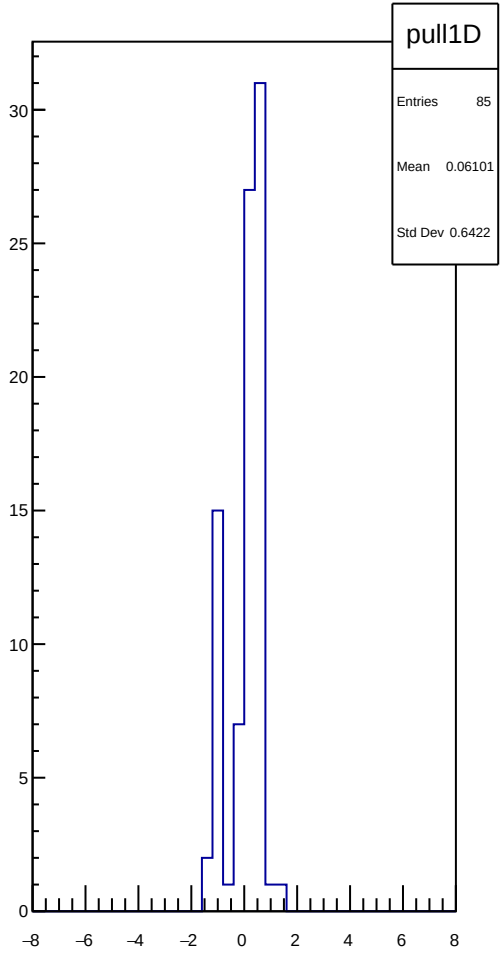

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 26.53 / 84
p0 −1.882 ± 0.1352
pull
Entries 85
Mean −38.65
Std Dev 87.35
pull1D
Entries 85
Mean −0.0991
Std Dev 0.5499

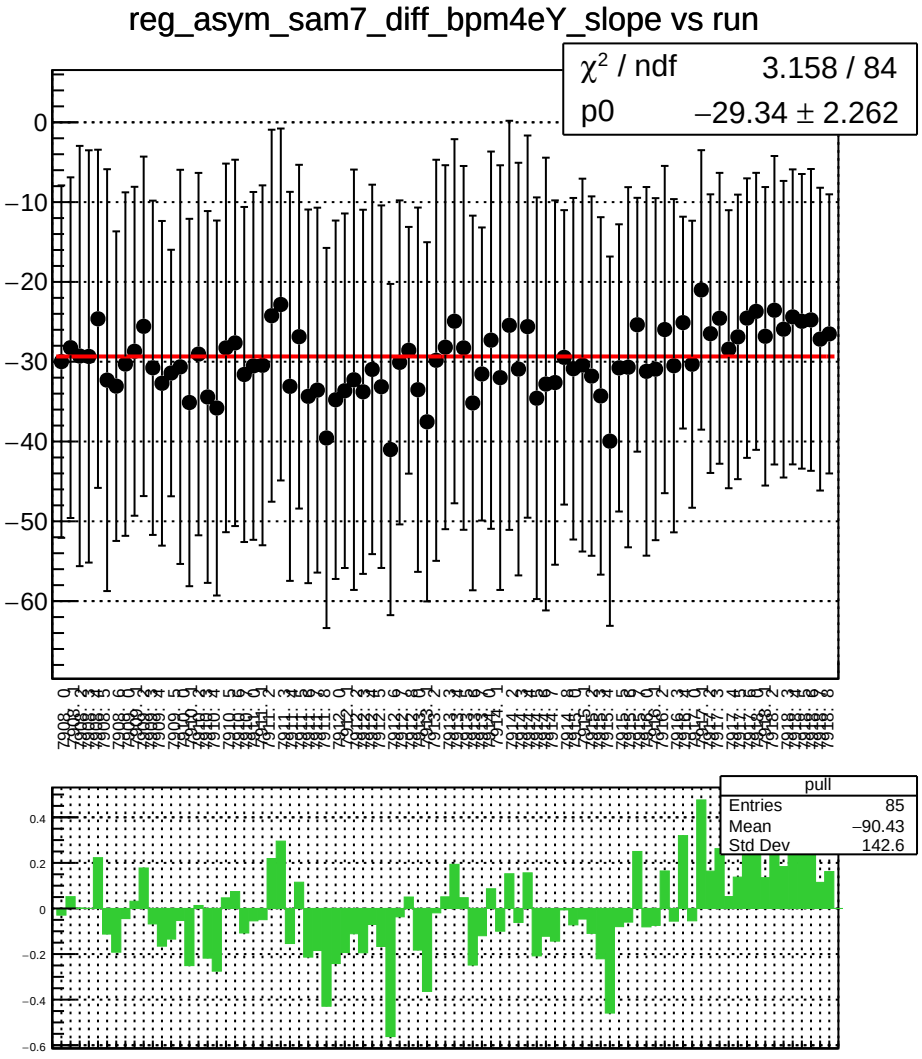

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 32.4 / 84
p0 −16.02 ± 1.923
pull
Entries 85
Mean −90.44
Std Dev 138.6

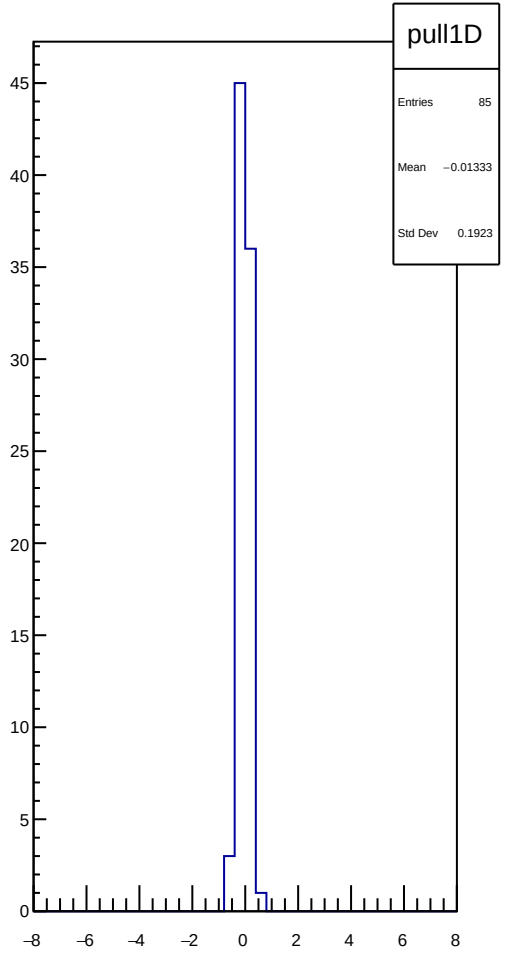

pull1D
Entries 85
Mean −0.07567
Std Dev 0.6128

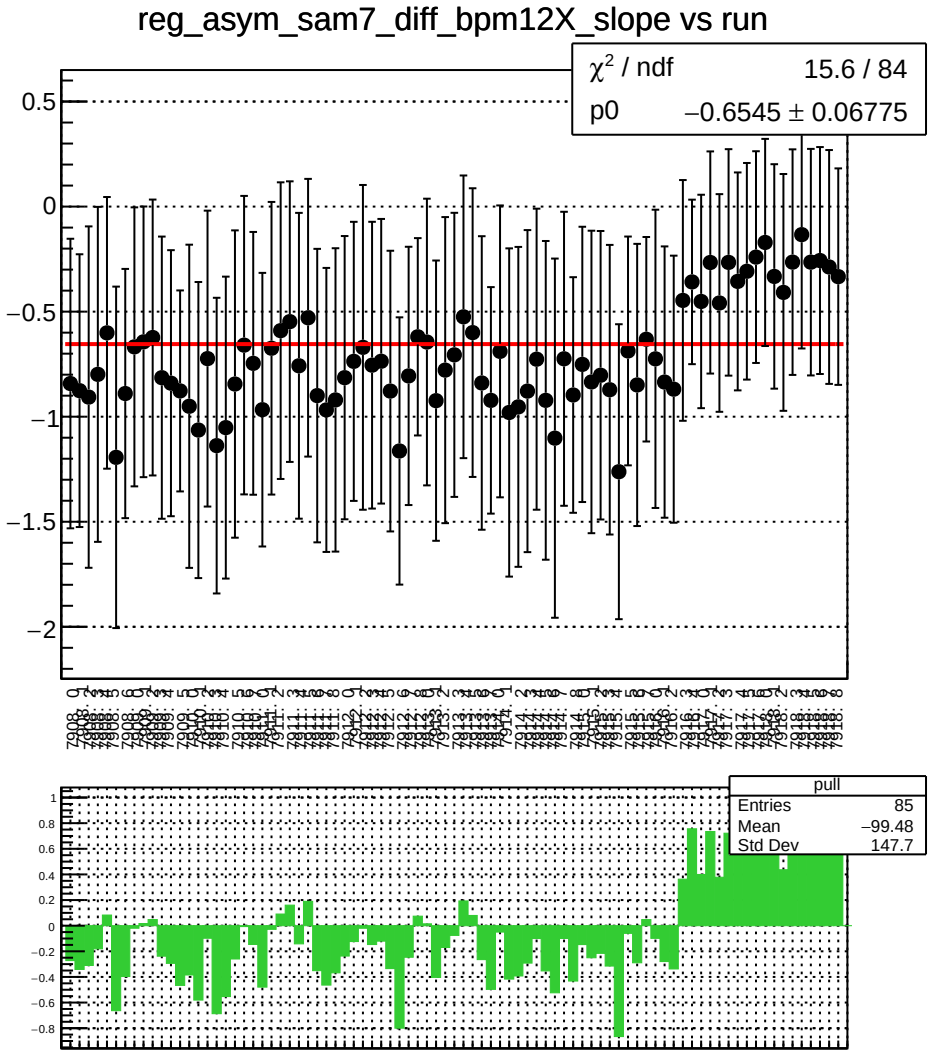

reg_asym_sam7_diff_bpm4aY_slope vs run
χ2 / ndf 3.695 / 84
p0 23.87 ± 1.946
pull
Entries 85
Mean −105
Std Dev 155.3
pull1D
Entries 85
Mean 0.0158
Std Dev 0.2079

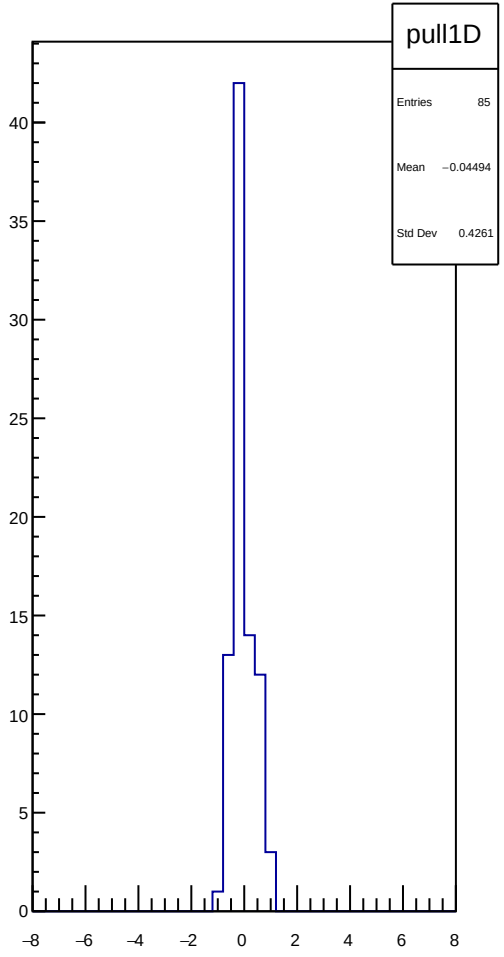

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 35.38 / 84
p0 −26.36 ± 1.64
pull
Entries 85
Mean −130.3
Std Dev 178.9

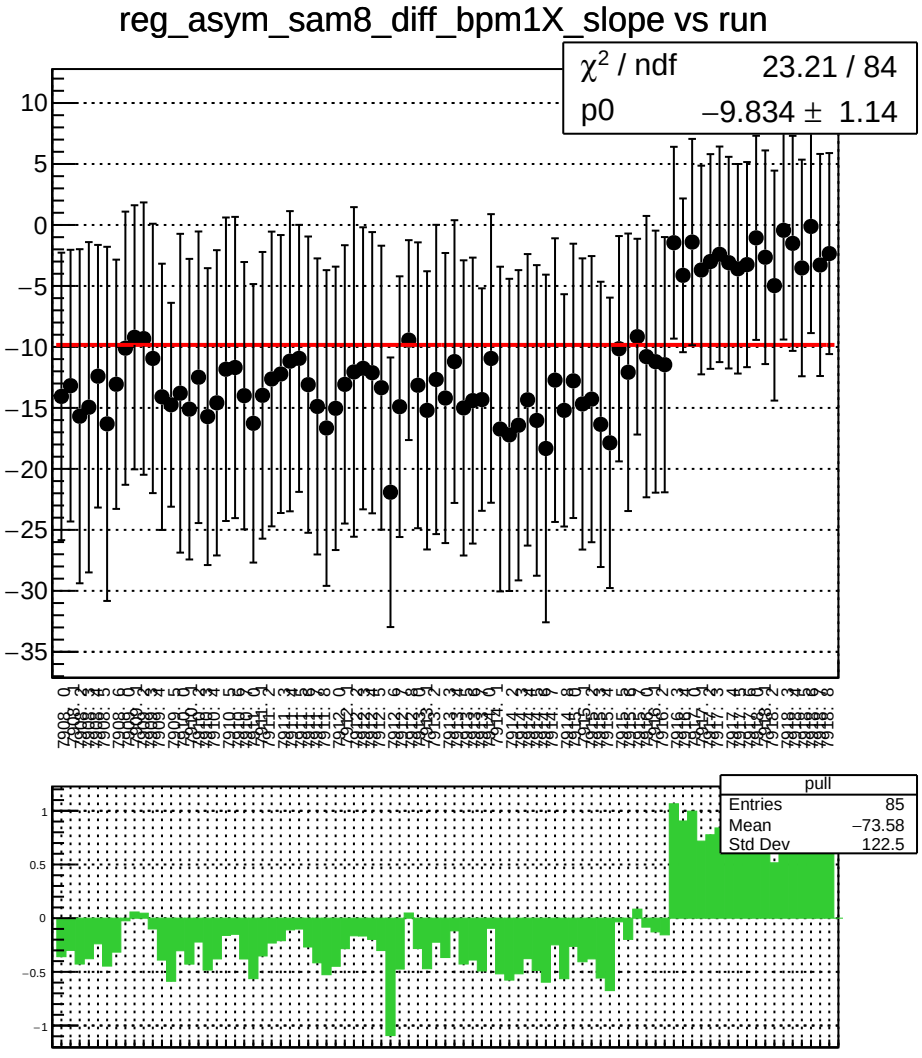

pull1D
Entries 85
Mean 0.06101
Std Dev 0.6422

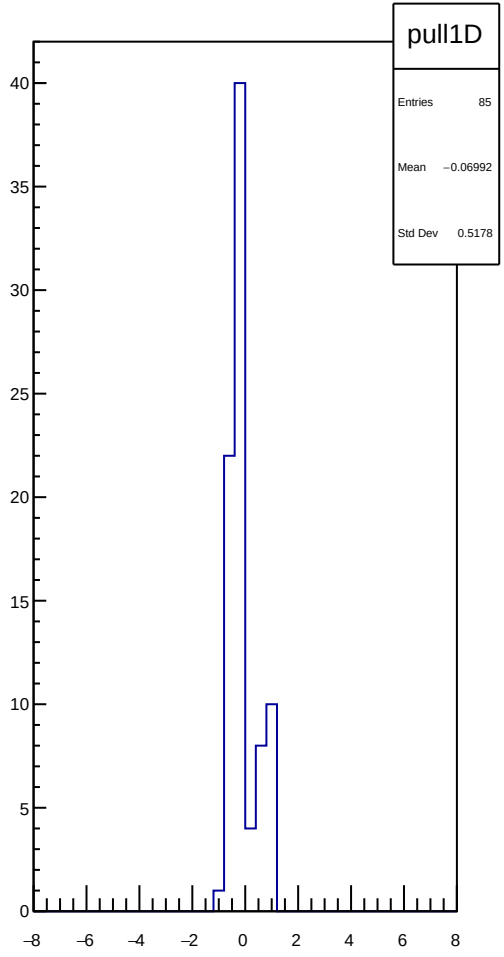

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 3.158 / 84
p0 −29.34 ± 2.262
pull
Entries 85
Mean −90.43
Std Dev 142.6

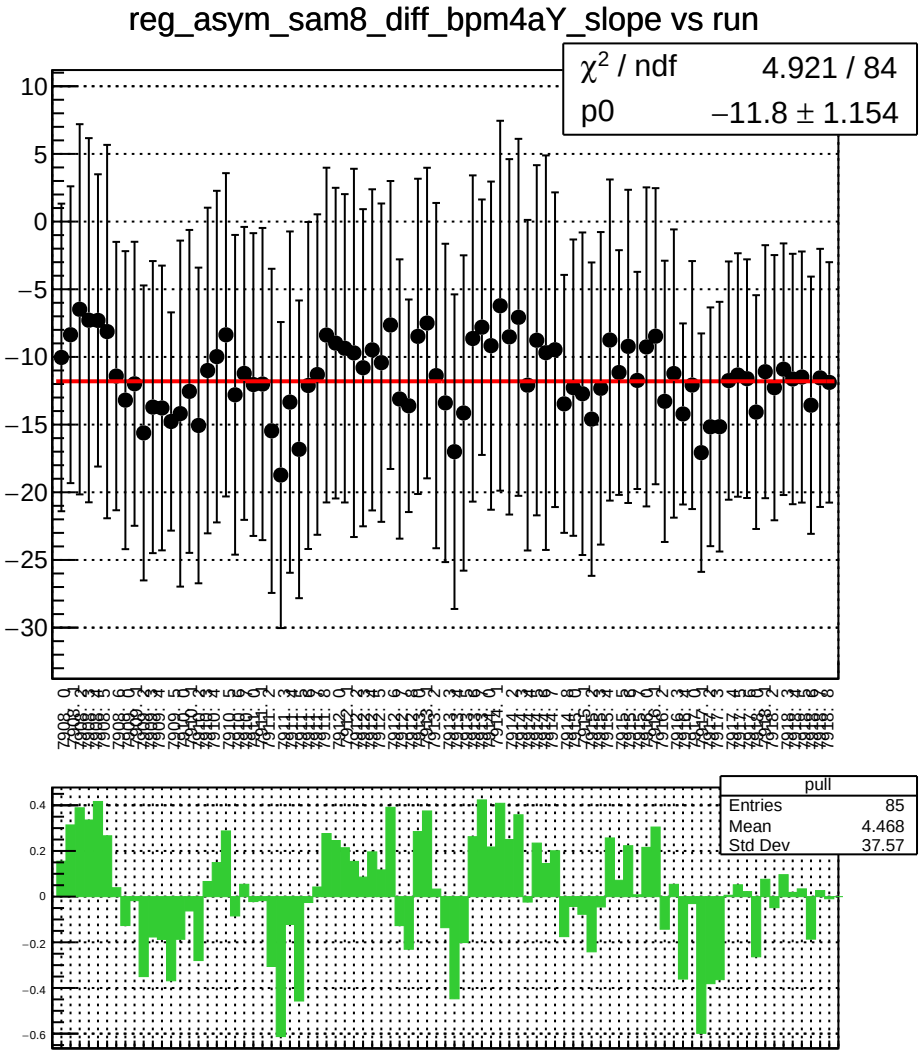

pull1D
Entries 85
Mean −0.01333
Std Dev 0.1923

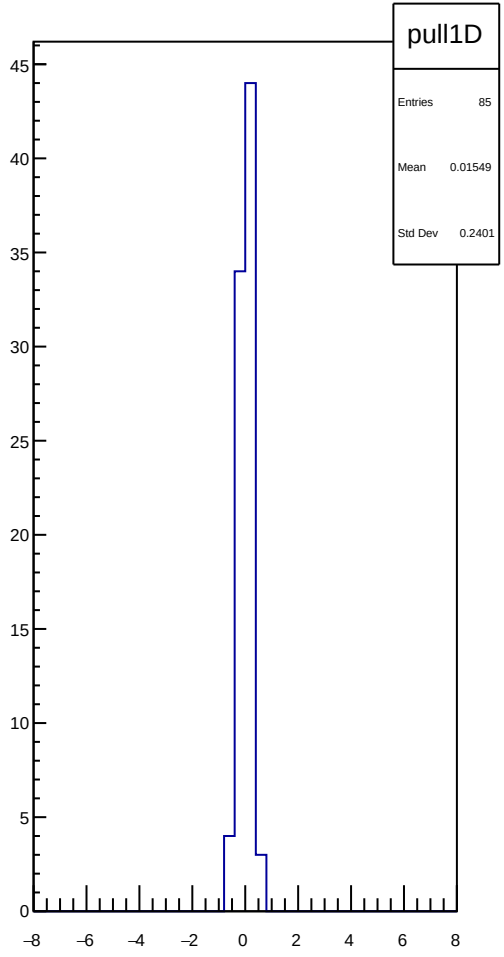

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 15.6 / 84
p0 −0.6545 ± 0.06775
pull
Entries 85
Mean −99.48
Std Dev 147.7

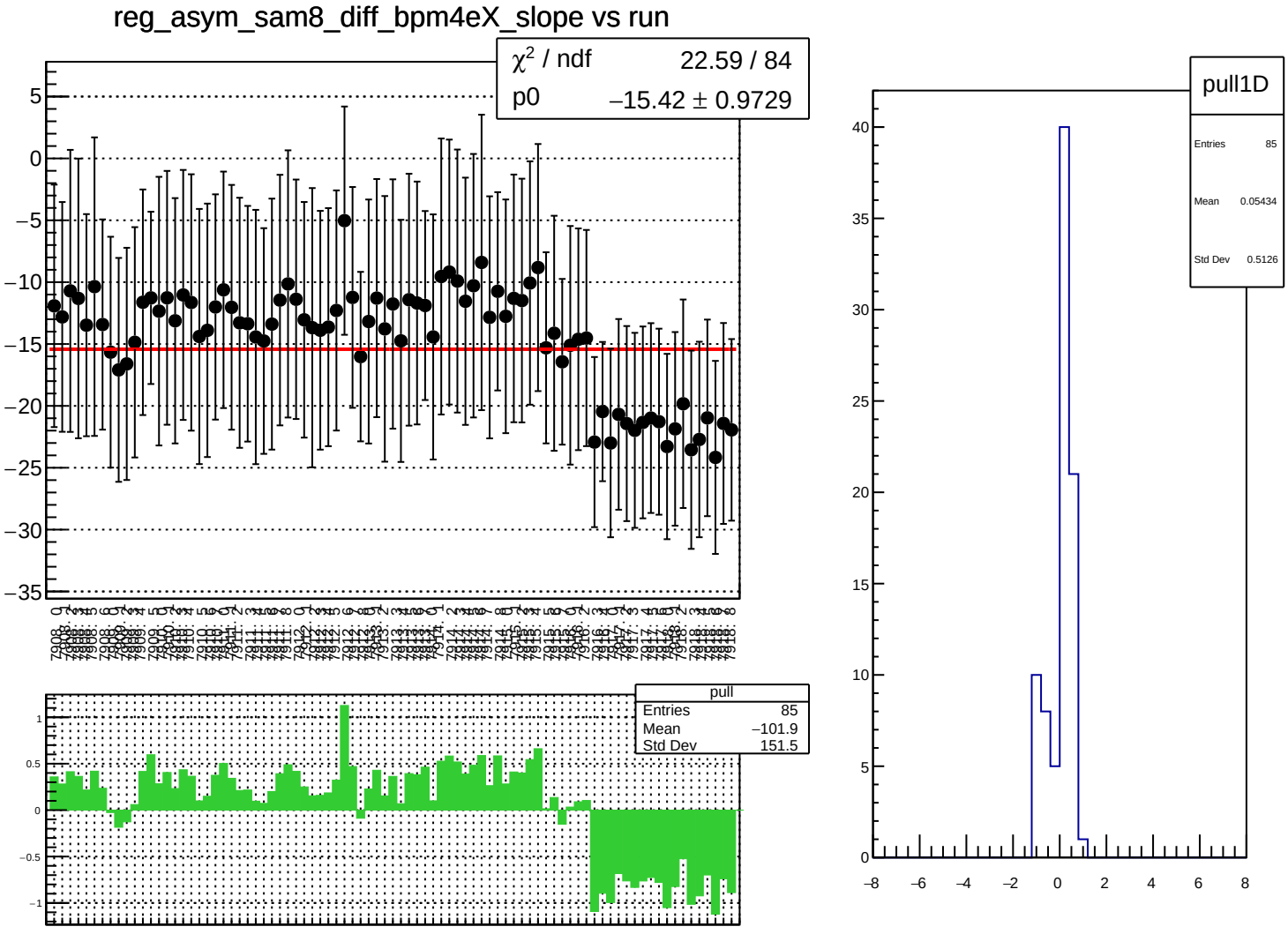

pull1D
Entries 85
Mean −0.04494
Std Dev 0.4261

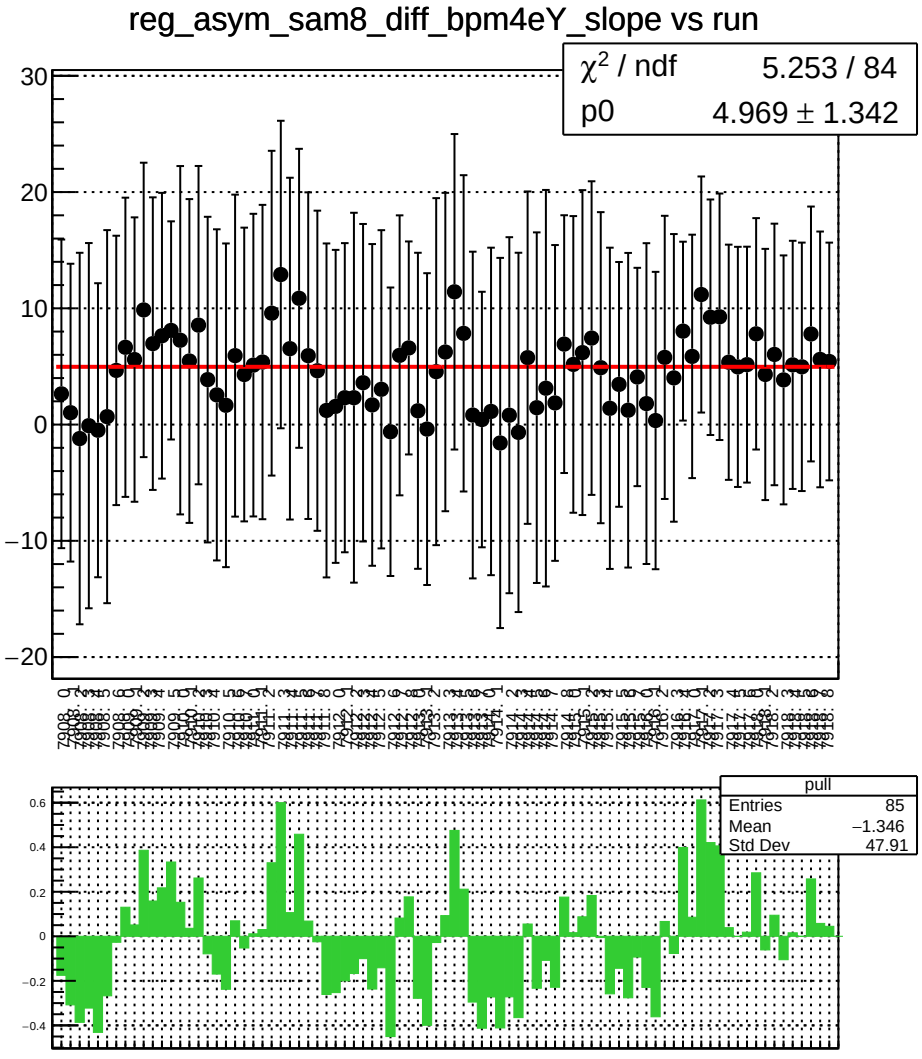

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 23.21 / 84
p0 −9.834 ± 1.14
pull
Entries 85
Mean −73.58
Std Dev 122.5

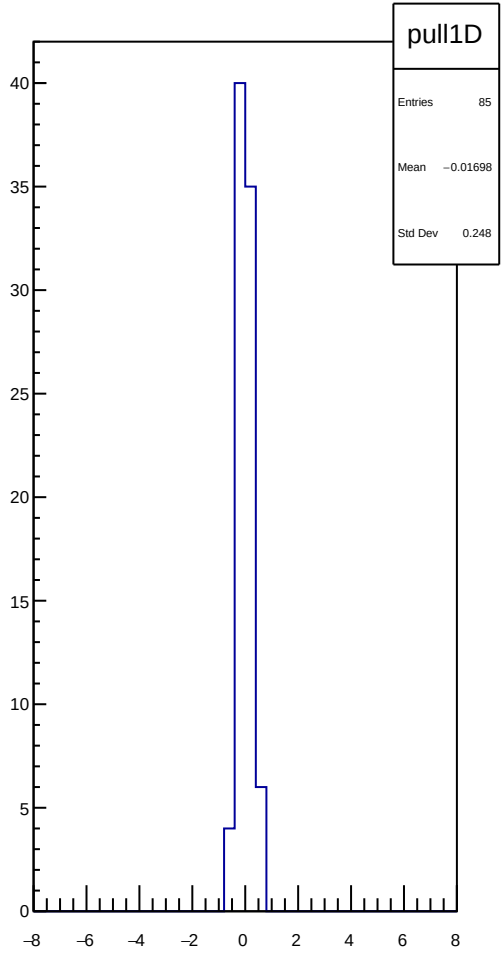

pull1D
Entries 85
Mean −0.06992
Std Dev 0.5178

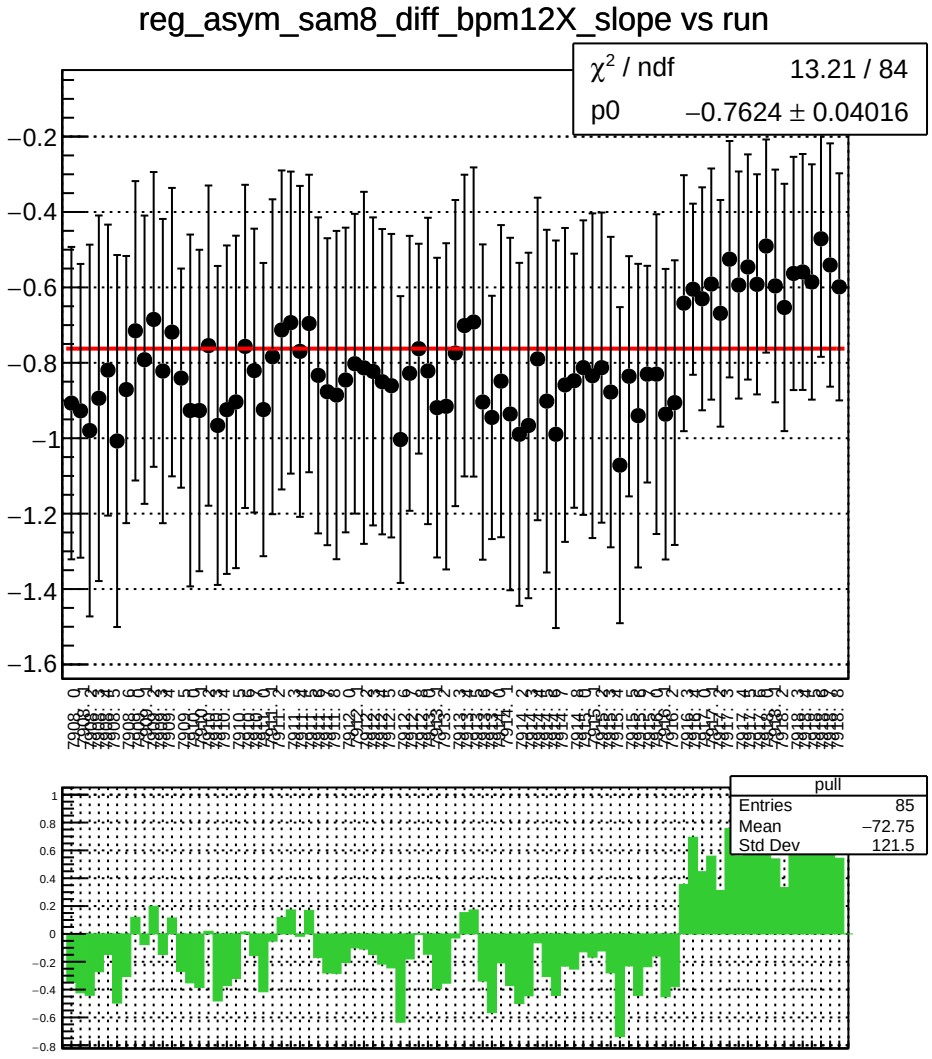

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 4.921 / 84
p0 −11.8 ± 1.154
pull
Entries 85
Mean 4.468
Std Dev 37.57

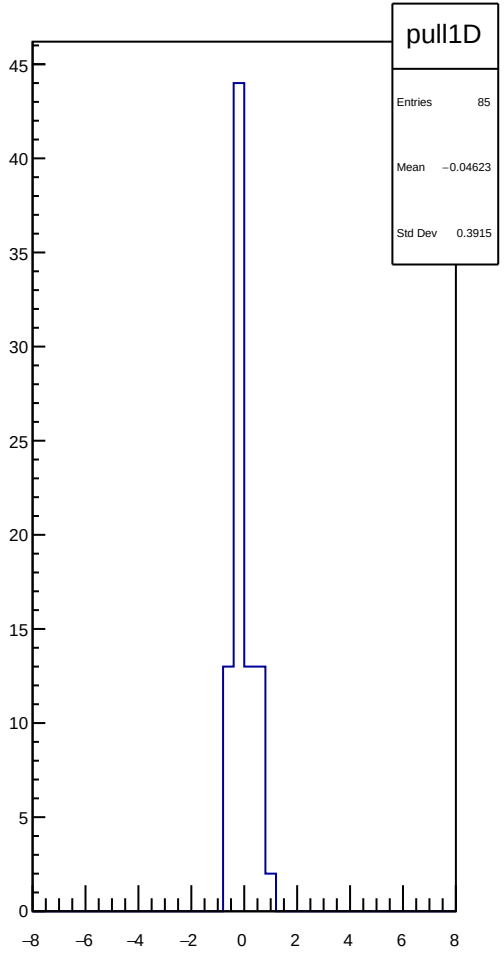

pull1D
Entries 85
Mean 0.01549
Std Dev 0.2401

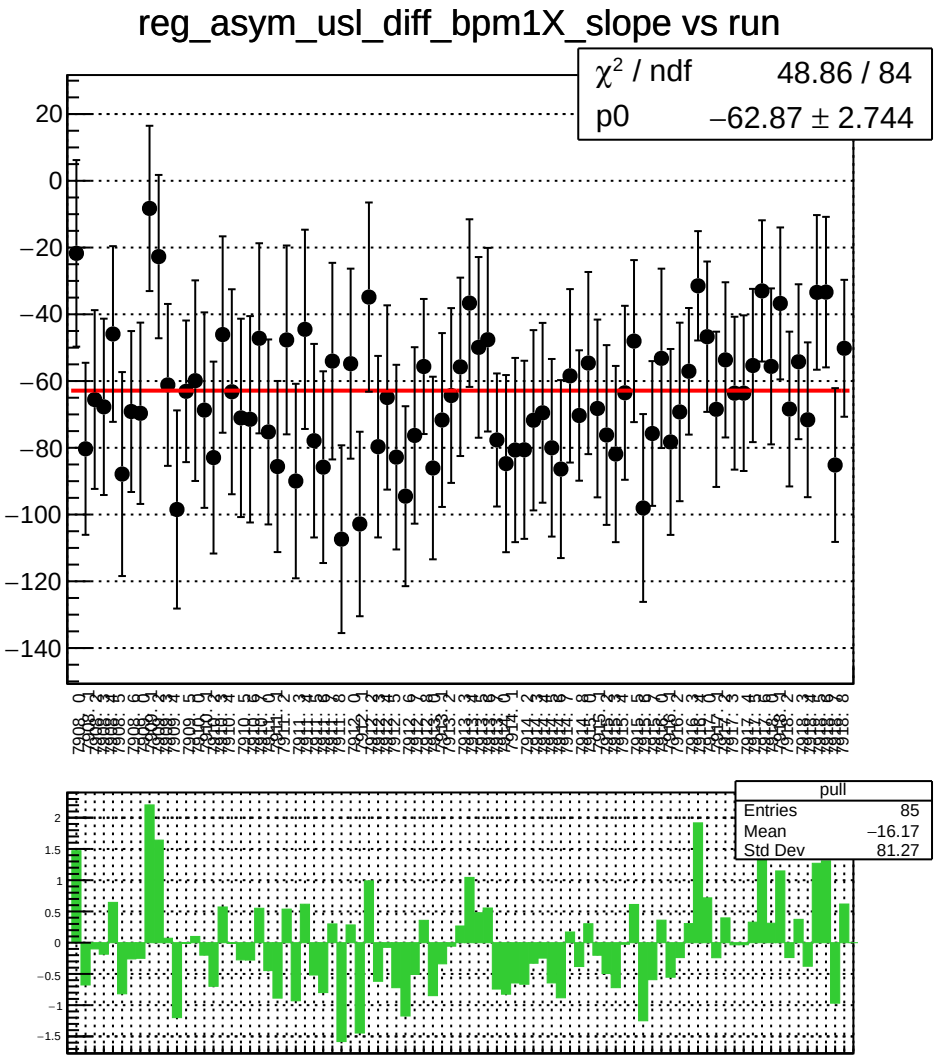

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 22.59 / 84
p0 −15.42 ± 0.9729
pull
Entries 85
Mean −101.9
Std Dev 151.5
pull1D
Entries 85
Mean 0.05434
Std Dev 0.5126

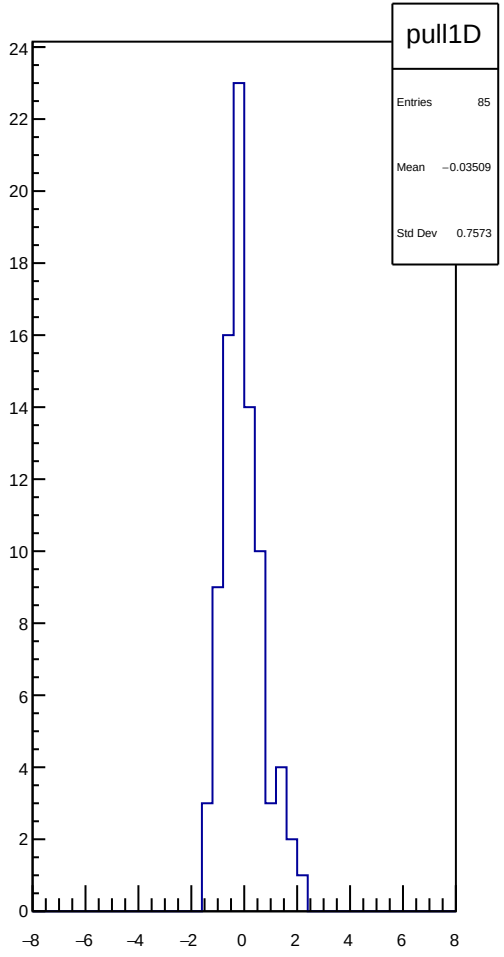

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 5.253 / 84
p0 4.969 ± 1.342
pull
Entries 85
Mean −1.346
Std Dev 47.91

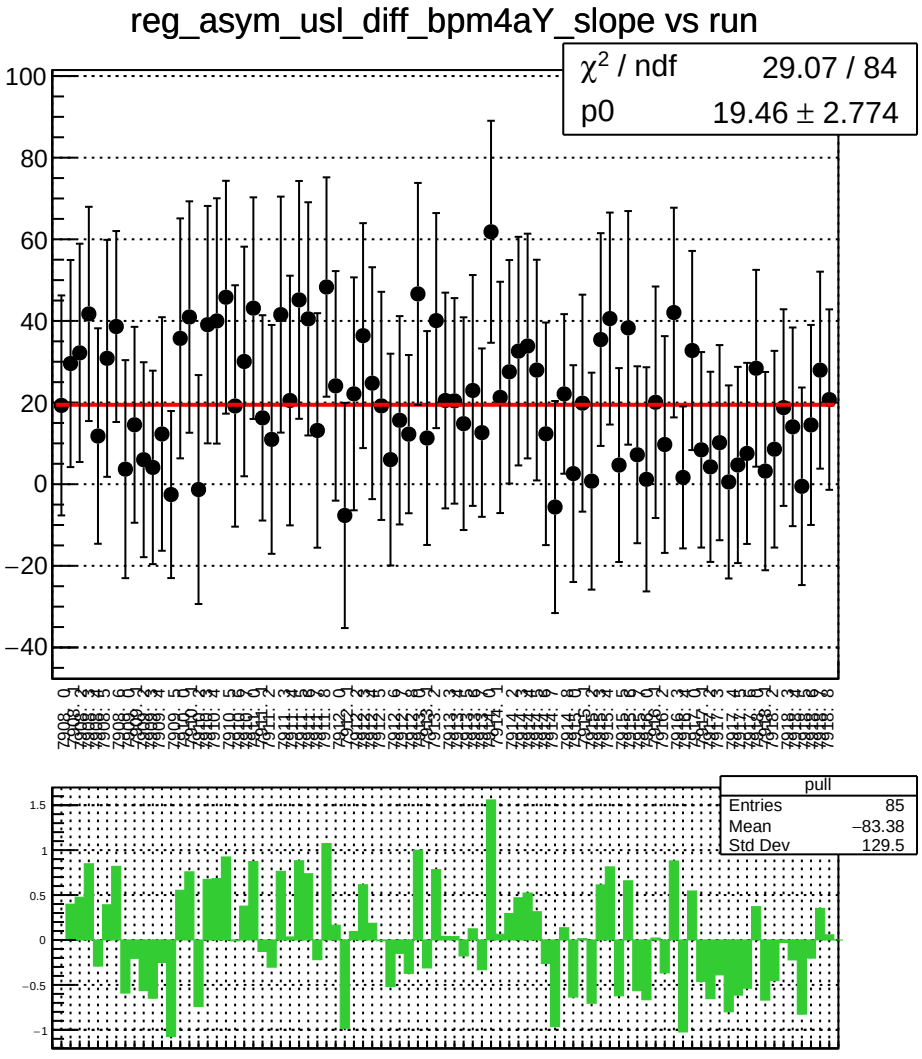

pull1D
Entries 85
Mean −0.01698
Std Dev 0.248

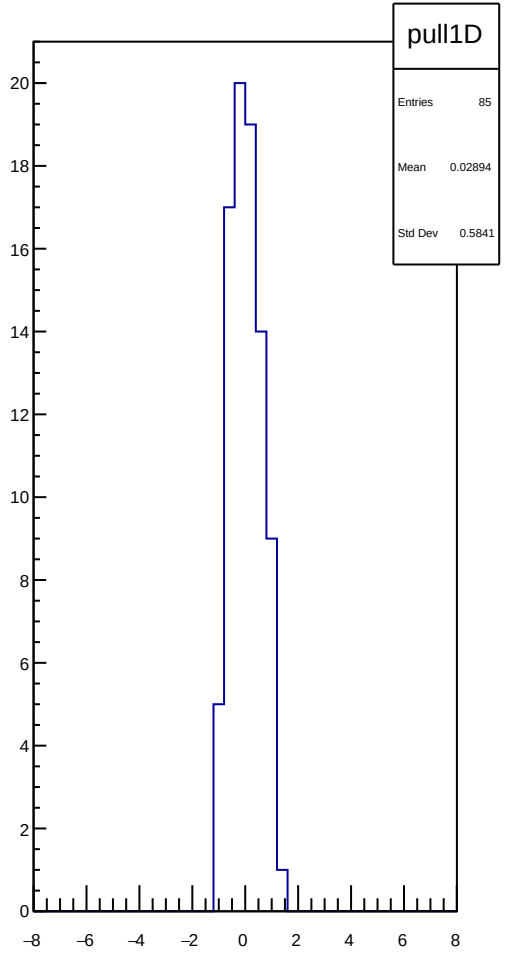

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 13.21 / 84
p0 −0.7624 ± 0.04016
pull
Entries 85
Mean −72.75
Std Dev 121.5

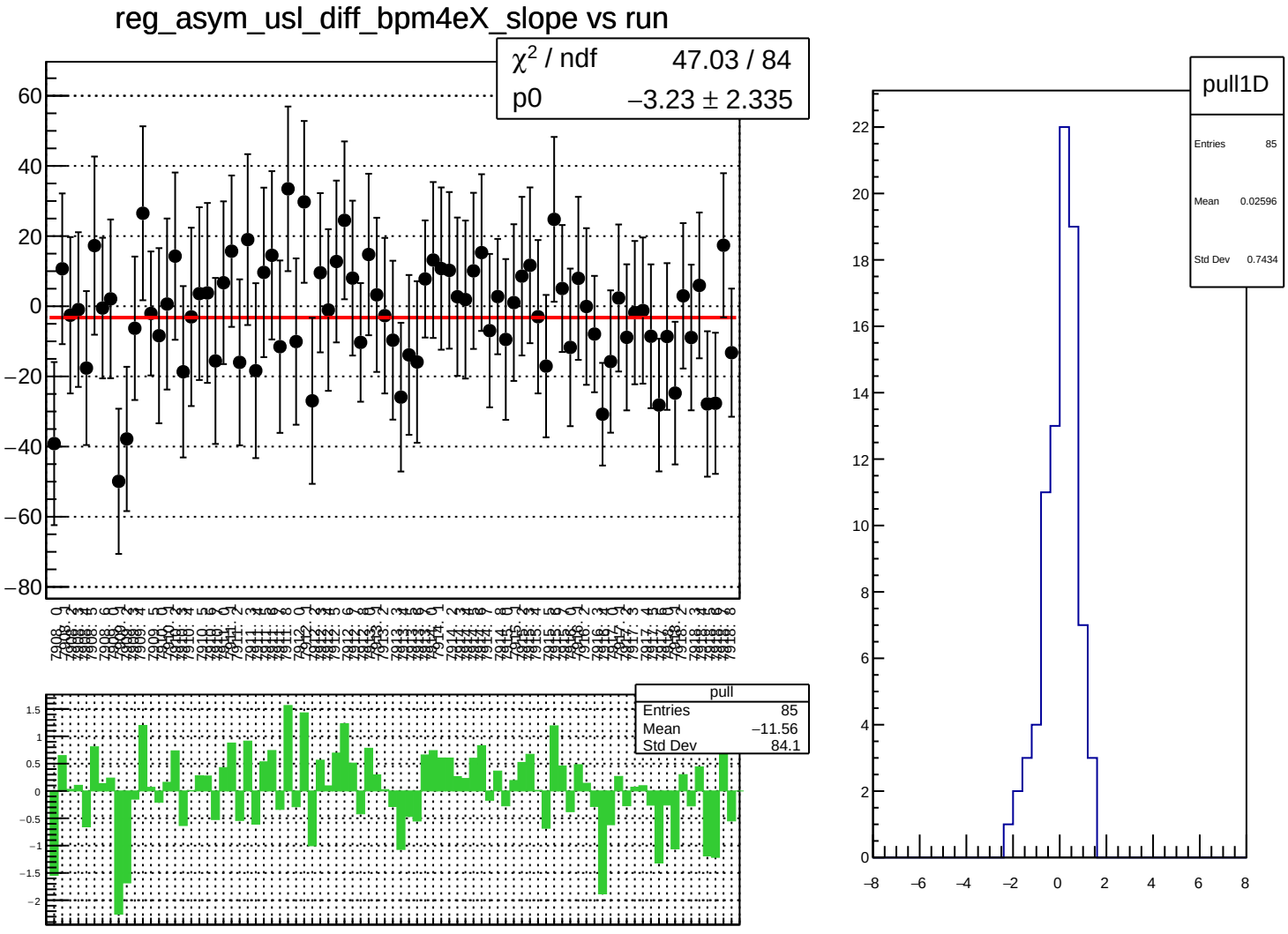

pull1D
Entries 85
Mean −0.04623
Std Dev 0.3915

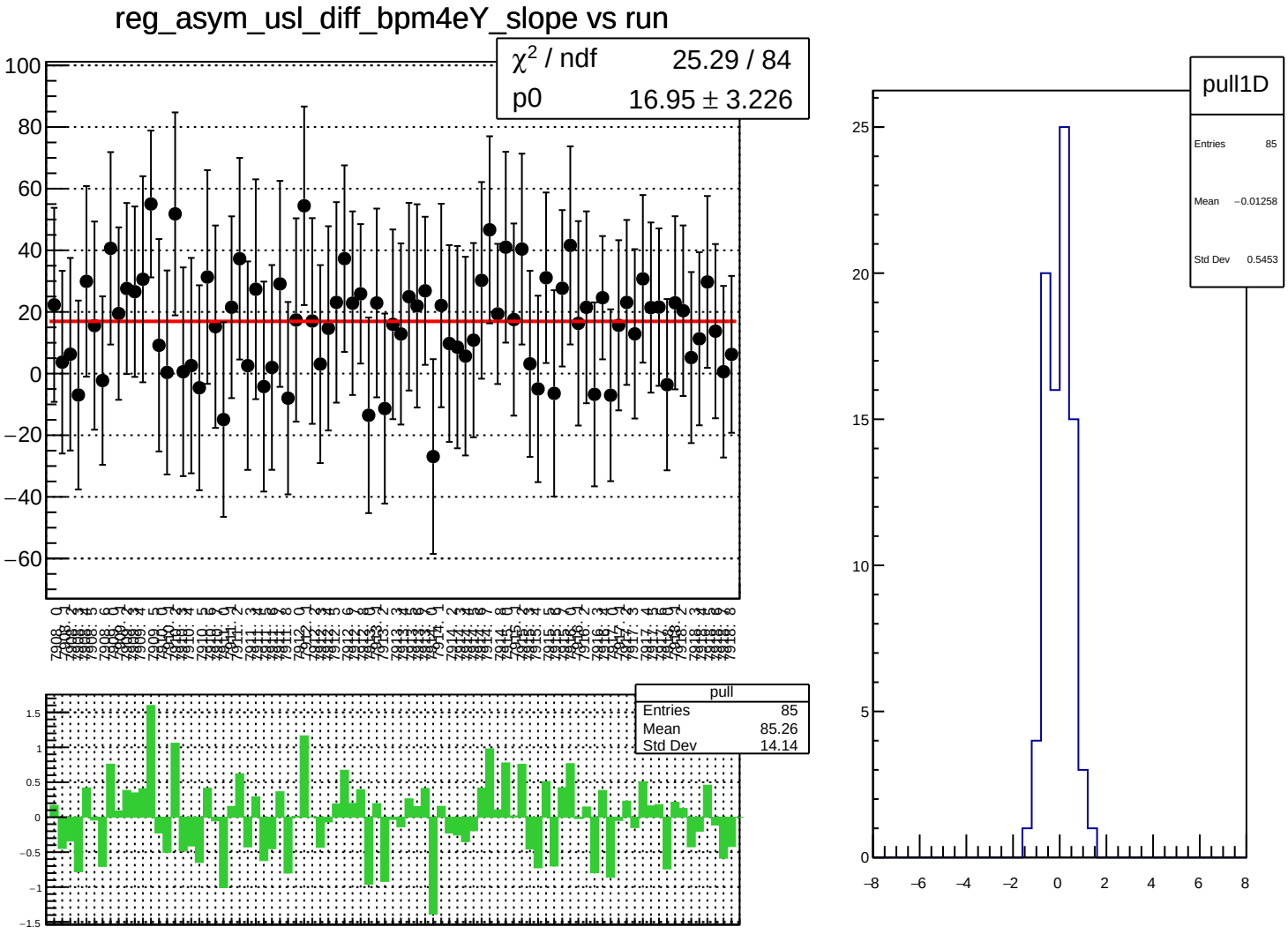

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 48.86 / 84
p0 −62.87 ± 2.744
pull
Entries 85
Mean −16.17
Std Dev 81.27

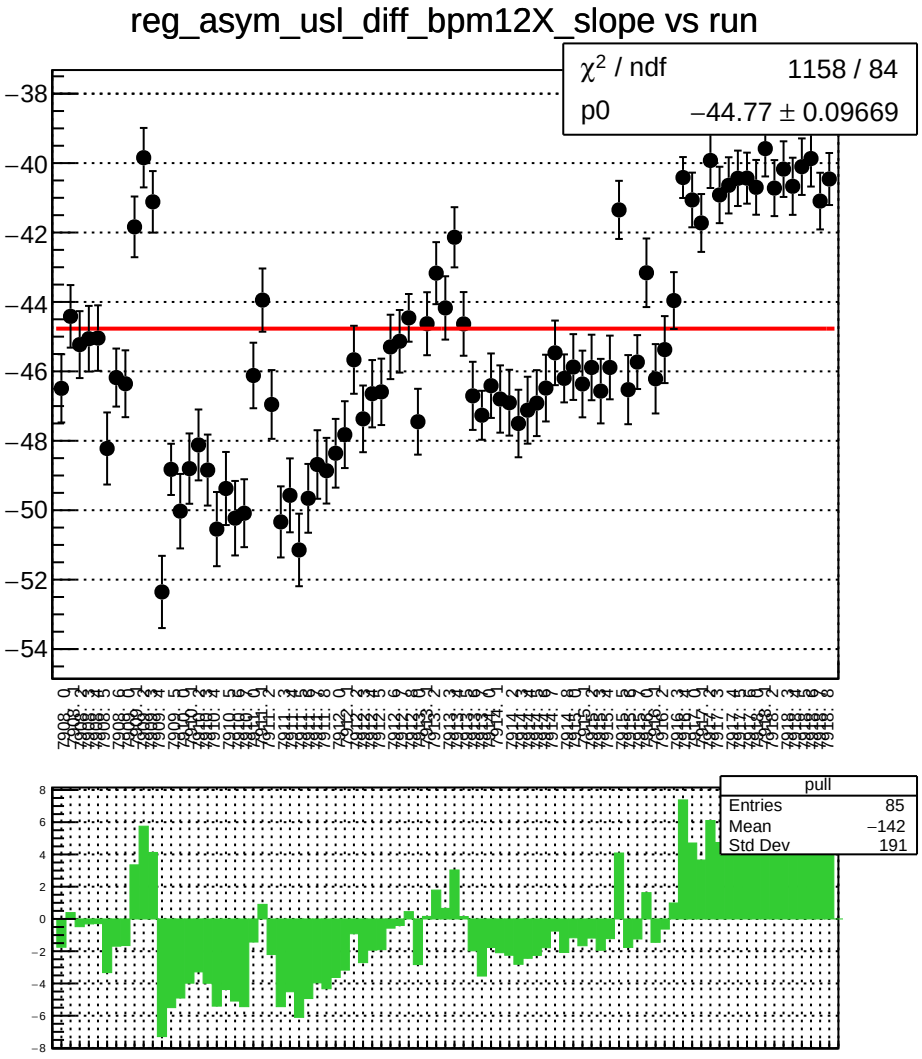

pull1D
Entries 85
Mean −0.03509
Std Dev 0.7573

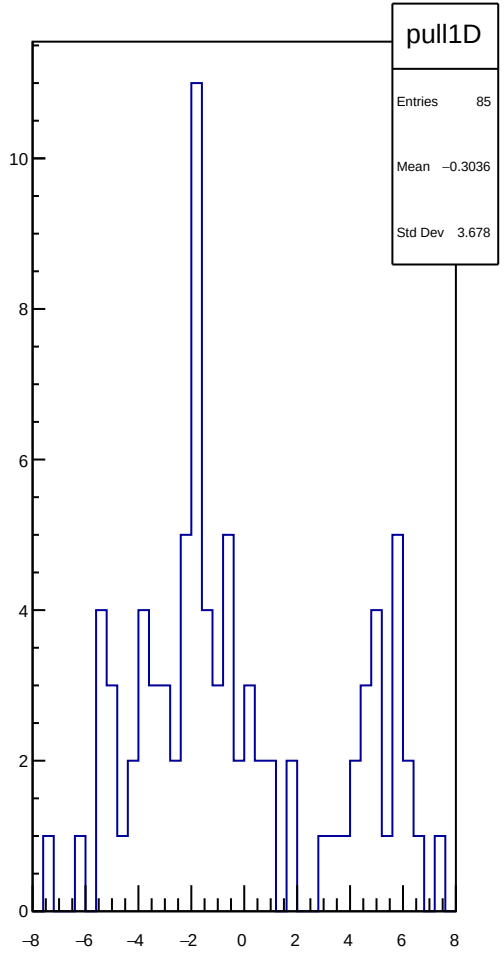

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 29.07 / 84
p0 19.46 ± 2.774
pull
Entries 85
Mean −83.38
Std Dev 129.5

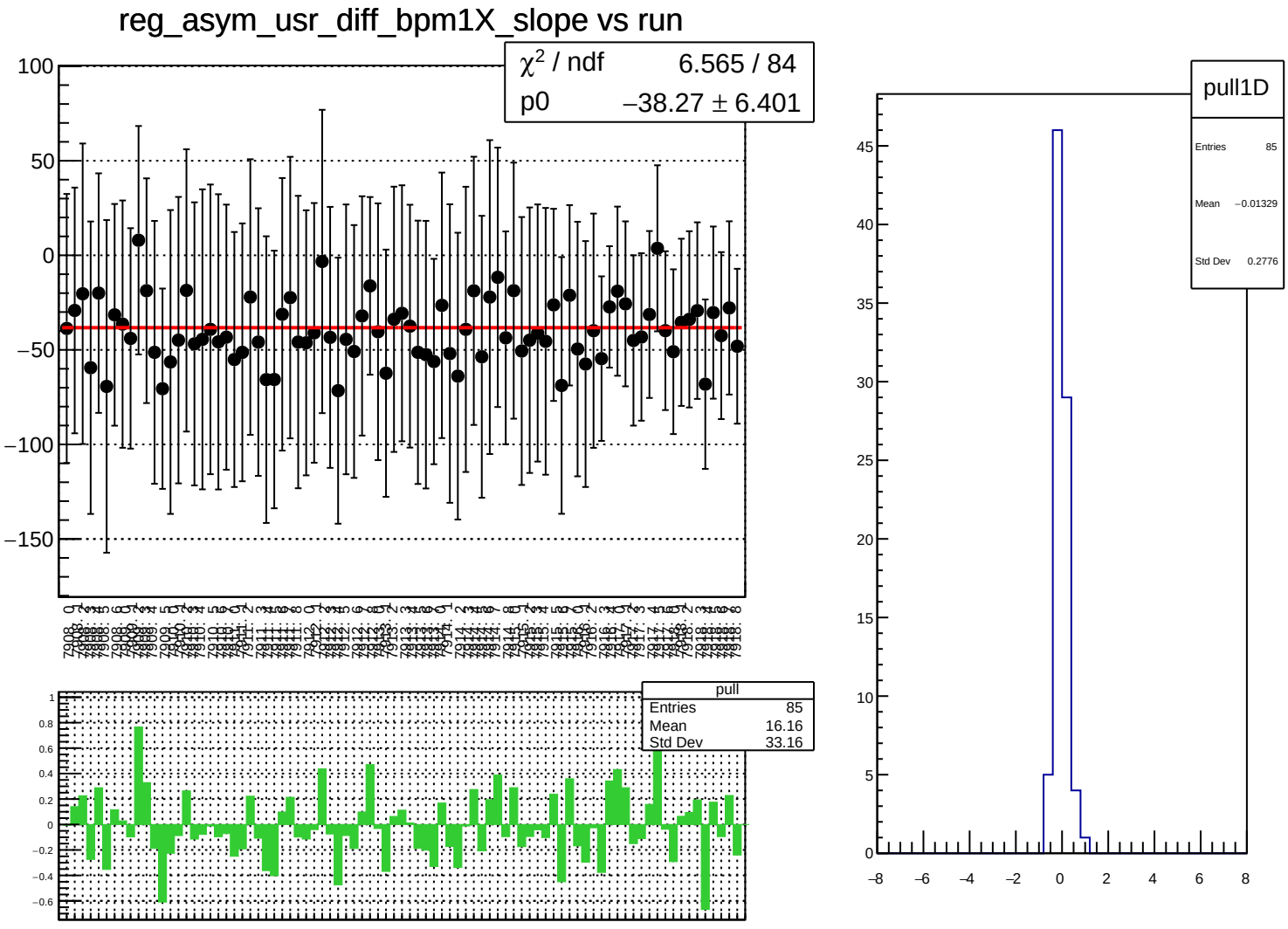

pull1D
Entries 85
Mean 0.02894
Std Dev 0.5841

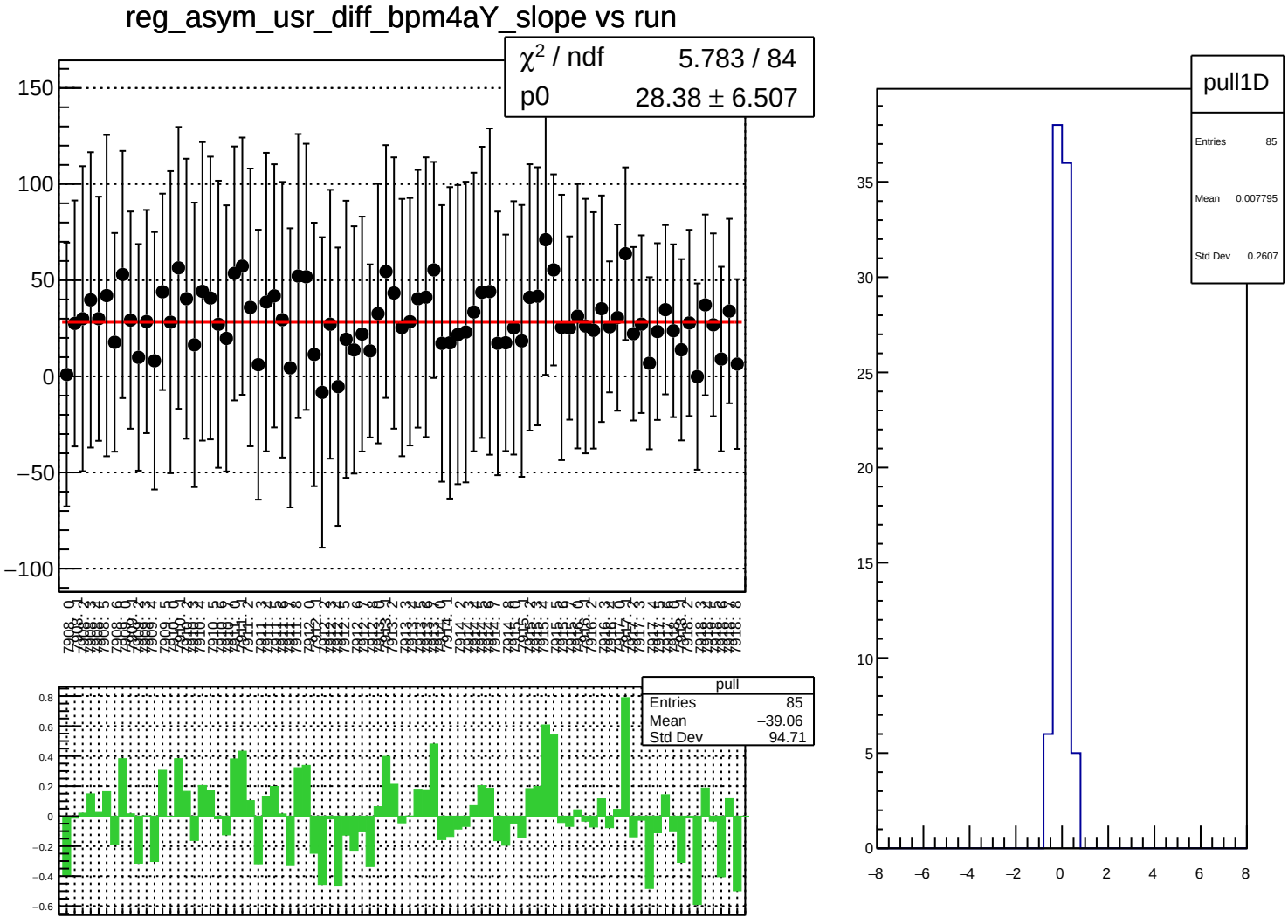

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 47.03 / 84
p0 −3.23 ± 2.335
pull
Entries 85
Mean −11.56
Std Dev 84.1
pull1D
Entries 85
Mean 0.02596
Std Dev 0.7434

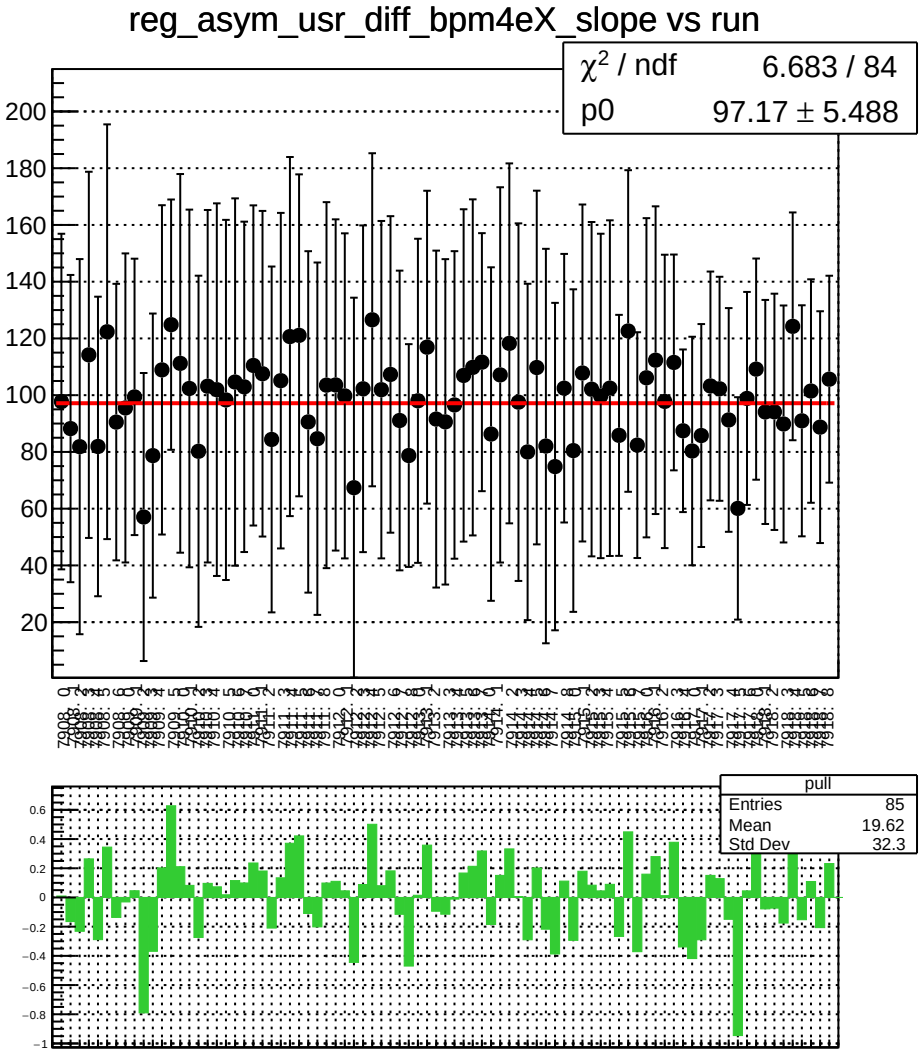

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 25.29 / 84
p0 16.95 ± 3.226
pull
Entries 85
Mean 85.26
Std Dev 14.14
pull1D
Entries 85
Mean −0.01258
Std Dev 0.5453

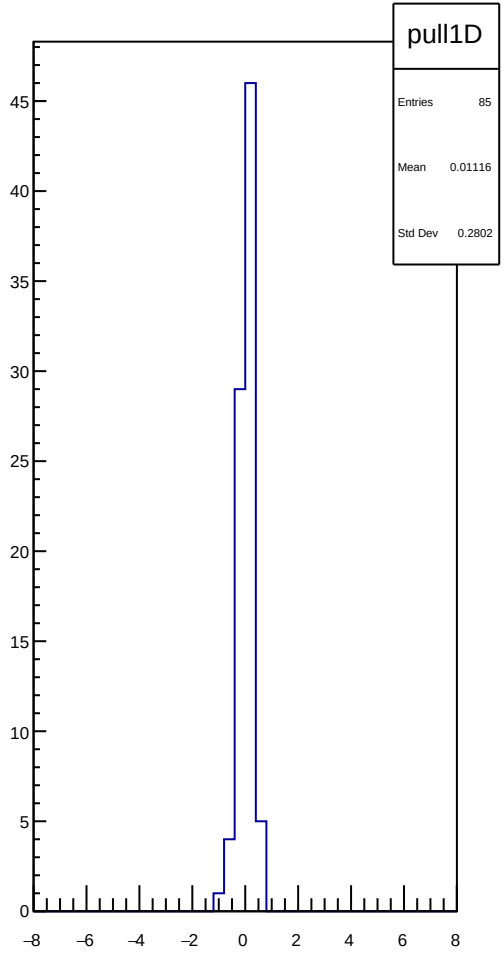

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 1158 / 84
p0 −44.77 ± 0.09669
pull
Entries 85
Mean −142
Std Dev 191

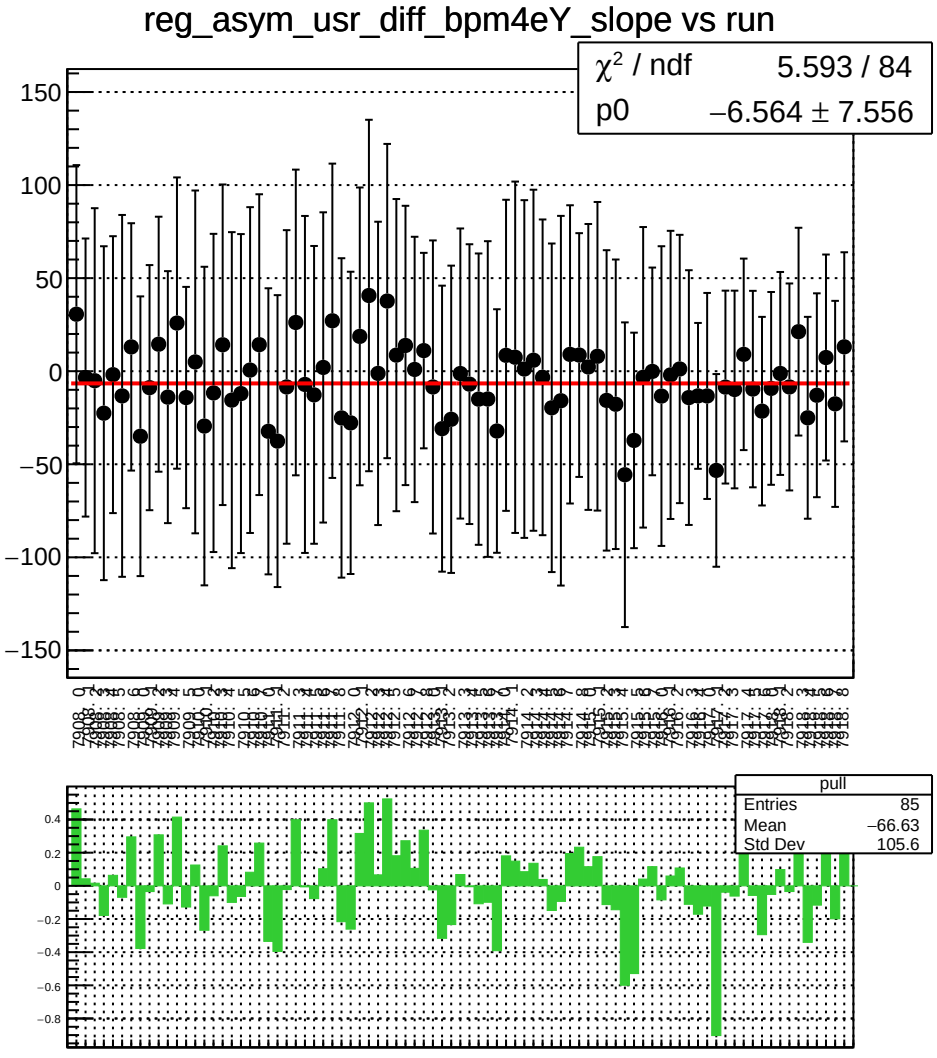

pull1D
Entries 85
Mean −0.3036
Std Dev 3.678

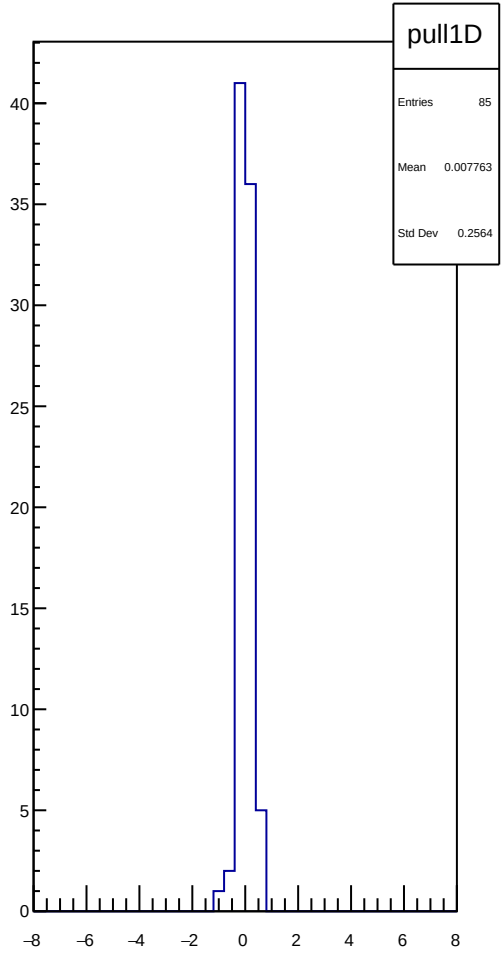

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 6.565 / 84
p0 −38.27 ± 6.401
pull
Entries 85
Mean 16.16
Std Dev 33.16
pull1D
Entries 85
Mean −0.01329
Std Dev 0.2776

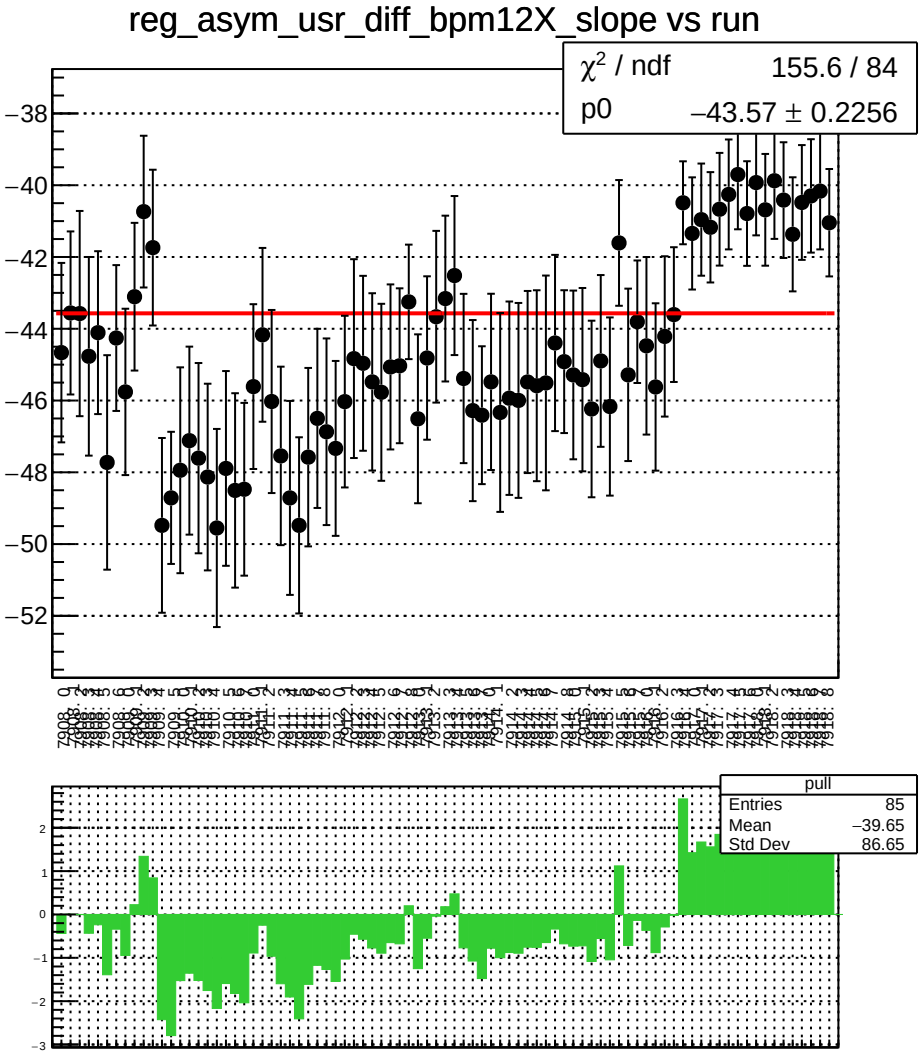

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 5.783 / 84
p0 28.38 ± 6.507
pull
Entries 85
Mean −39.06
Std Dev 94.71
pull1D
Entries 85
Mean 0.007795
Std Dev 0.2607

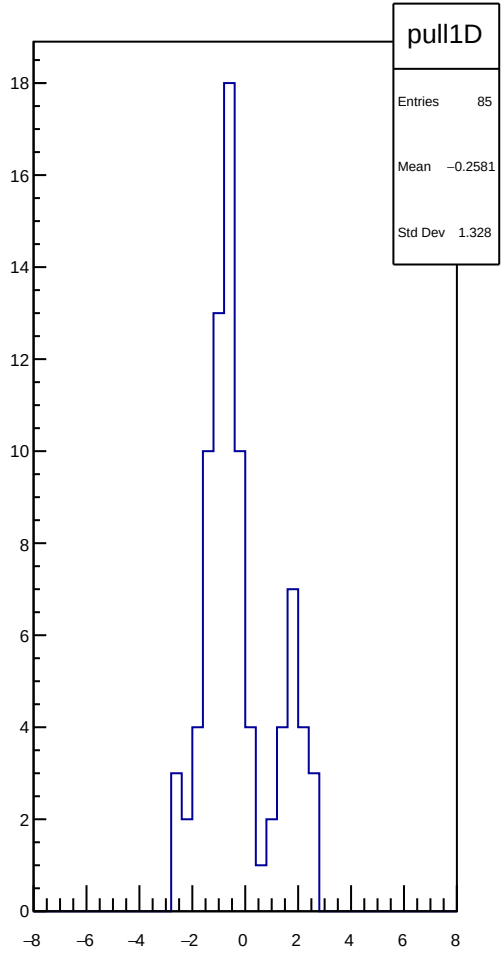

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 6.683 / 84
p0 97.17 ± 5.488
pull
Entries 85
Mean 19.62
Std Dev 32.3

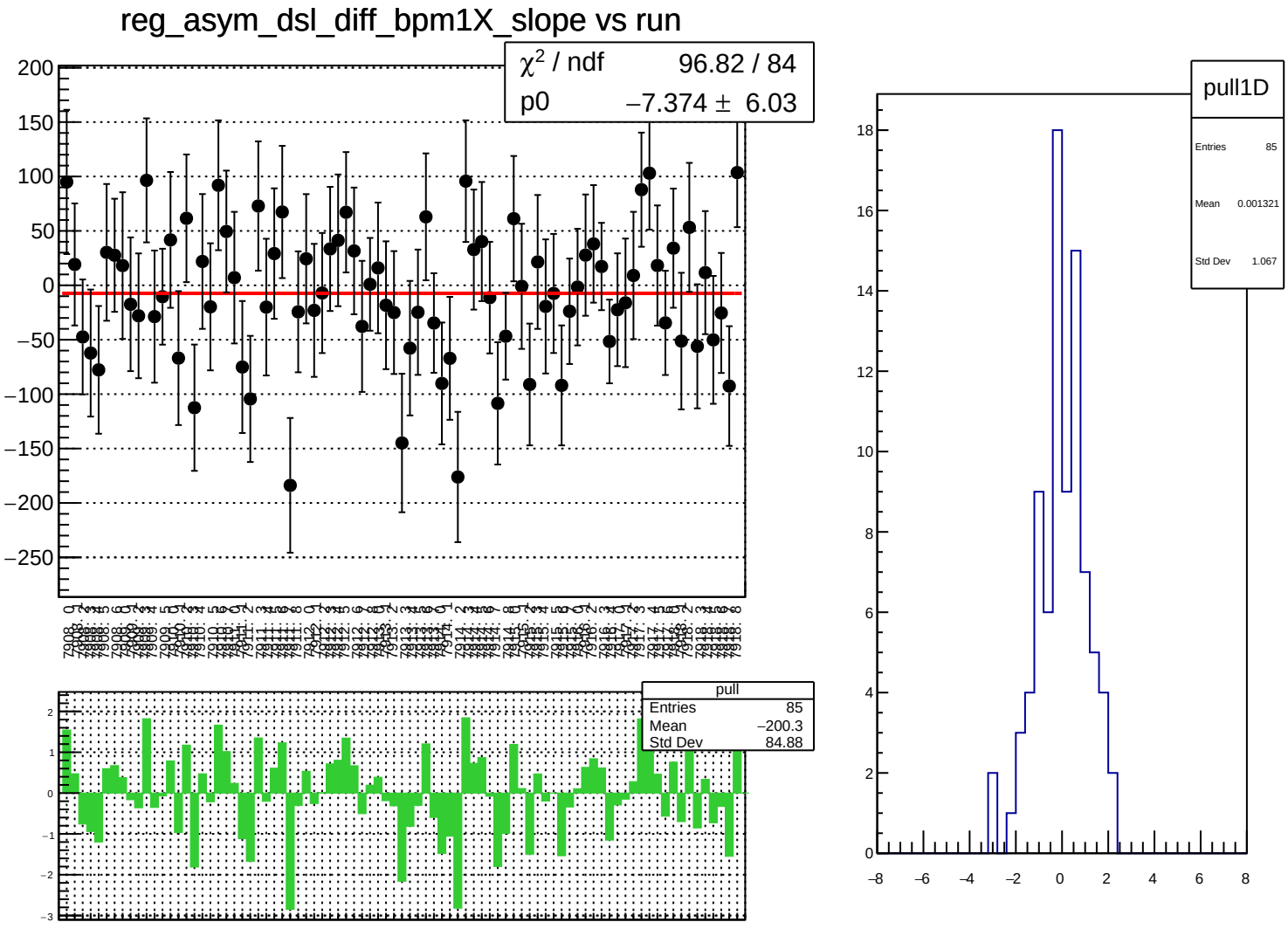

pull1D
Entries 85
Mean 0.01116
Std Dev 0.2802

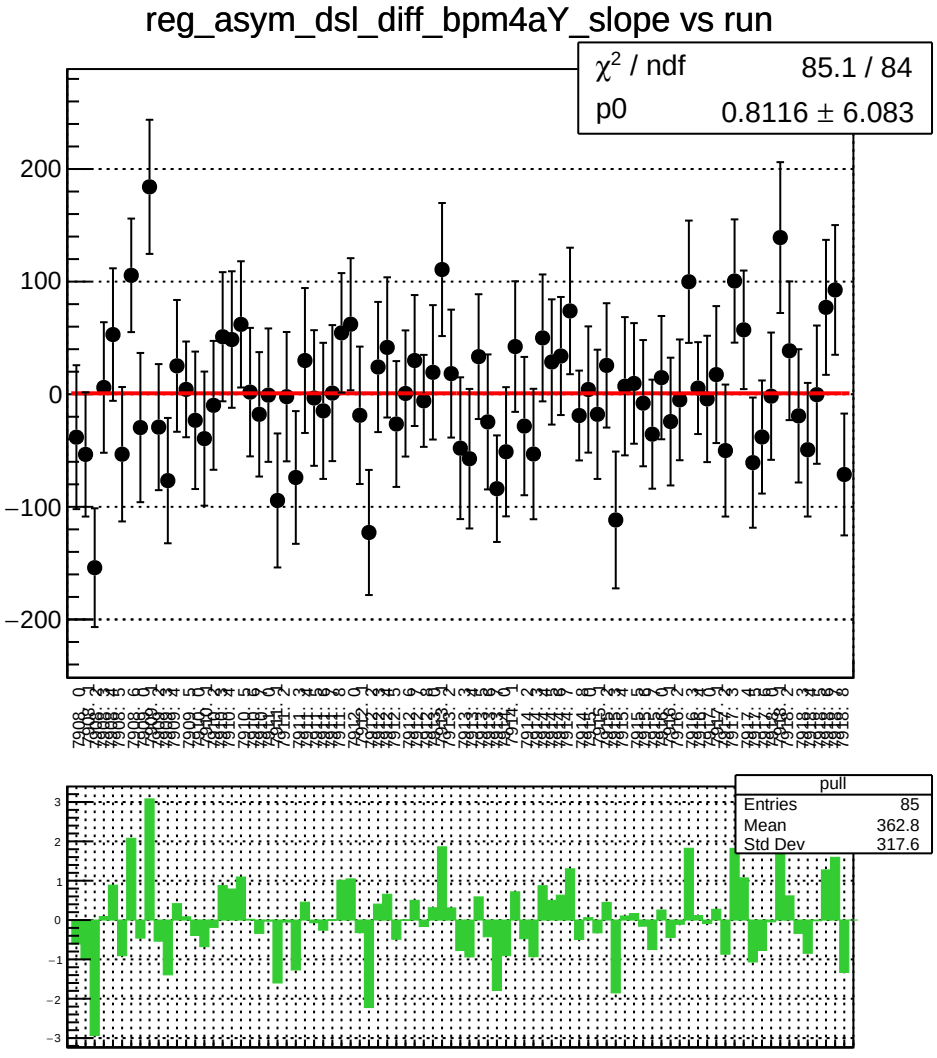

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 5.593 / 84
p0 −6.564 ± 7.556
pull
Entries 85
Mean −66.63
Std Dev 105.6

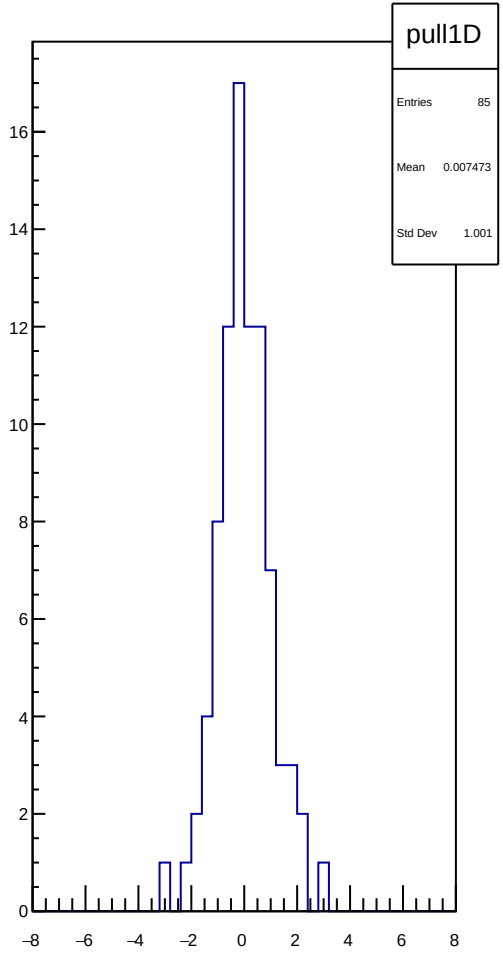

pull1D
Entries 85
Mean 0.007763
Std Dev 0.2564

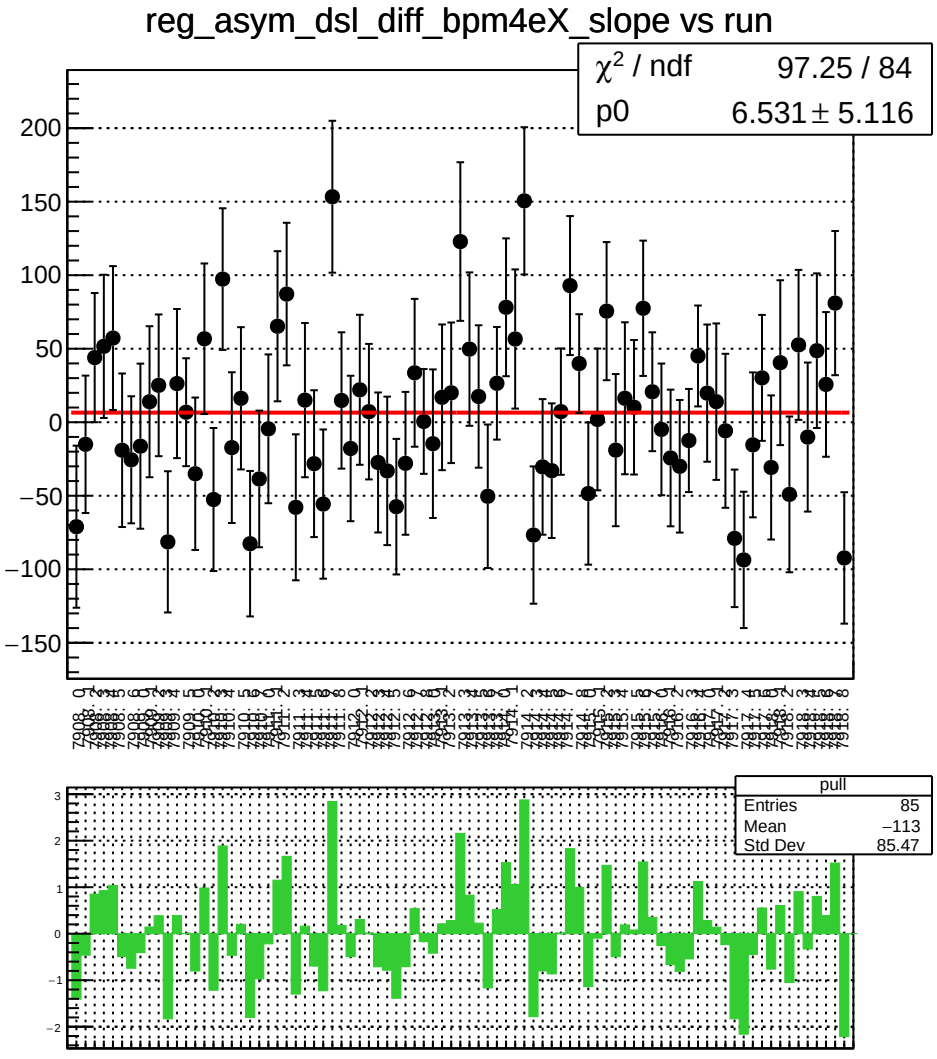

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 155.6 / 84
p0 –43.57 ± 0.2256
pull
Entries 85
Mean –39.65
Std Dev 86.65

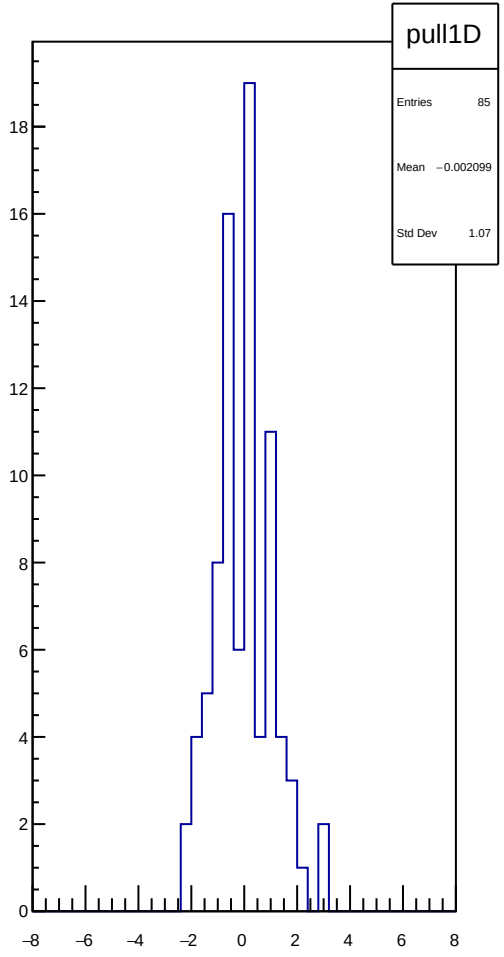

pull1D
Entries 85
Mean –0.2581
Std Dev 1.328

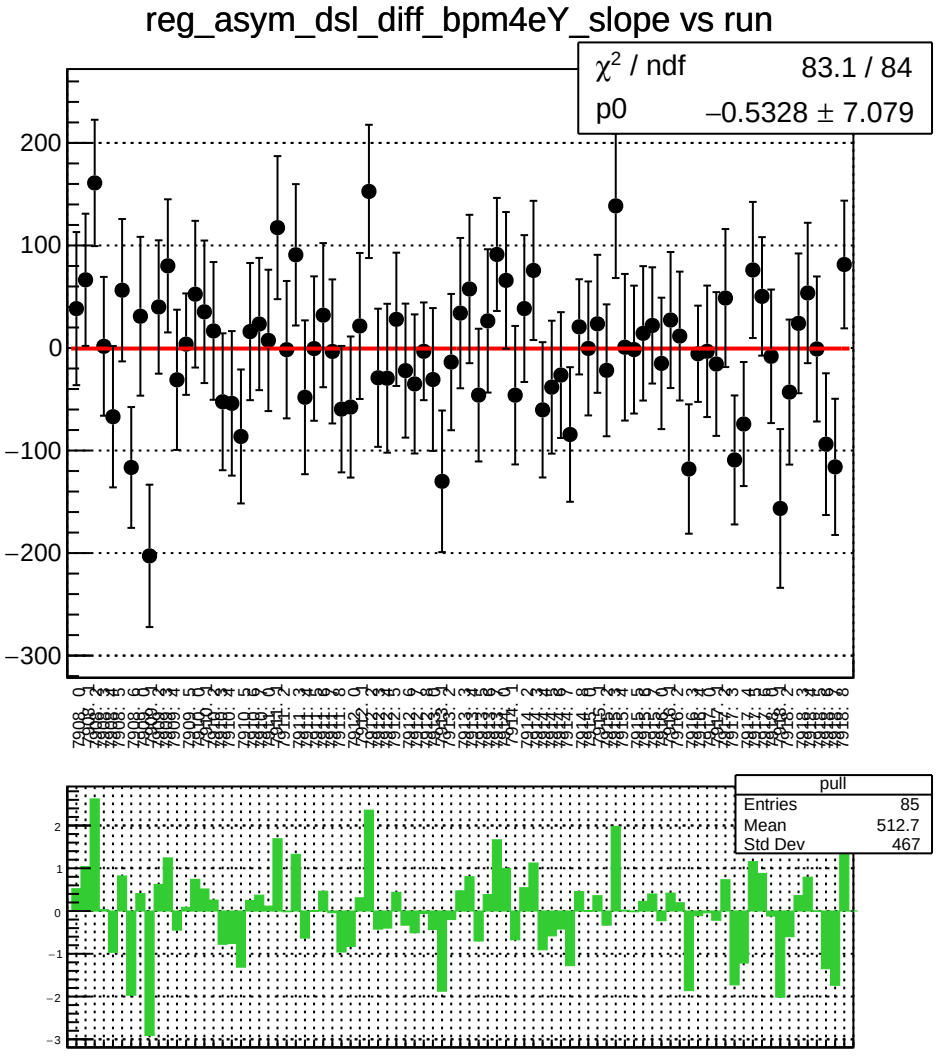

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 96.82 / 84
p0 −7.374 ± 6.03
pull
Entries 85
Mean −200.3
Std Dev 84.88
pull1D
Entries 85
Mean 0.001321
Std Dev 1.067

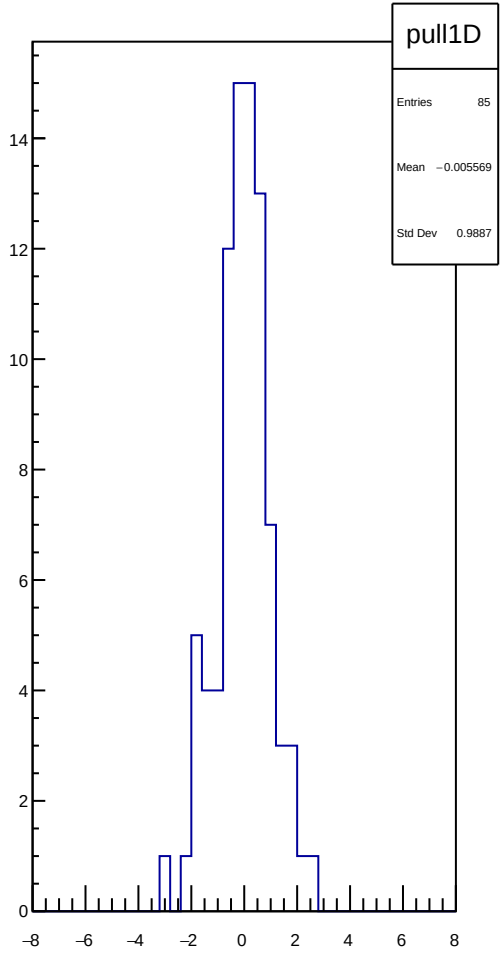

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 85.1 / 84
p0 0.8116 ± 6.083
pull
Entries 85
Mean 362.8
Std Dev 317.6

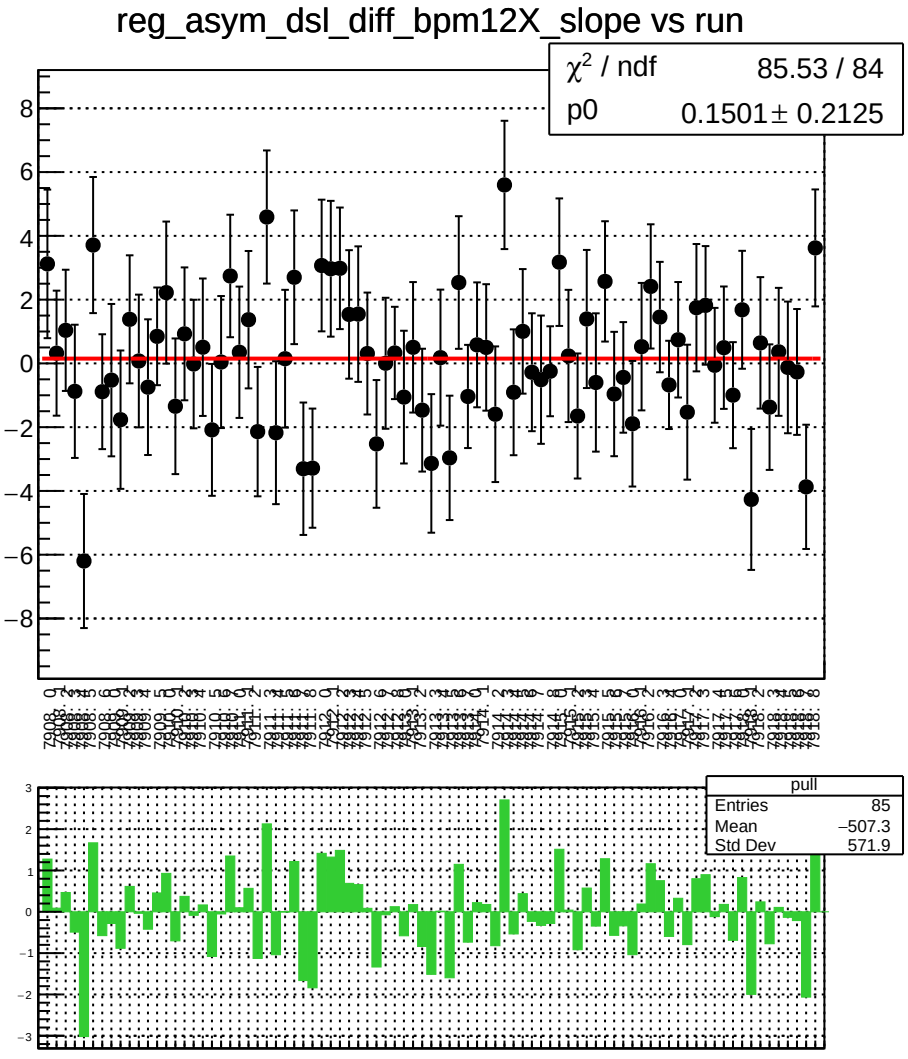

pull1D
Entries 85
Mean 0.007473
Std Dev 1.001

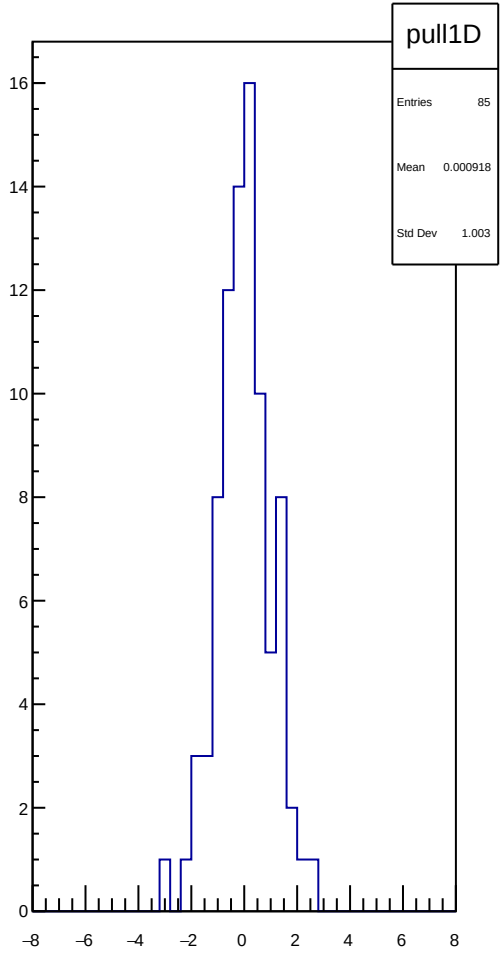

reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 97.25 / 84
p0 6.531 ± 5.116
pull
Entries 85
Mean −113
Std Dev 85.47

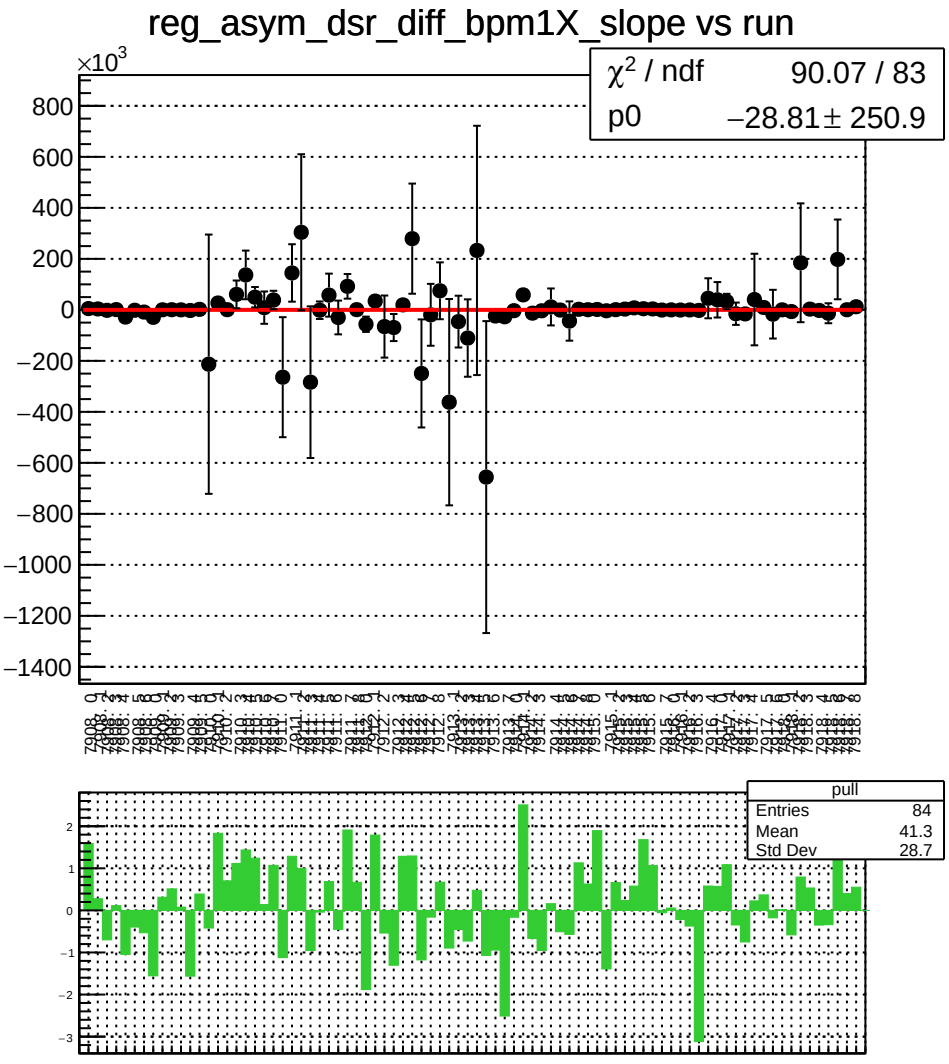

pull1D
Entries 85
Mean −0.002099
Std Dev 1.07

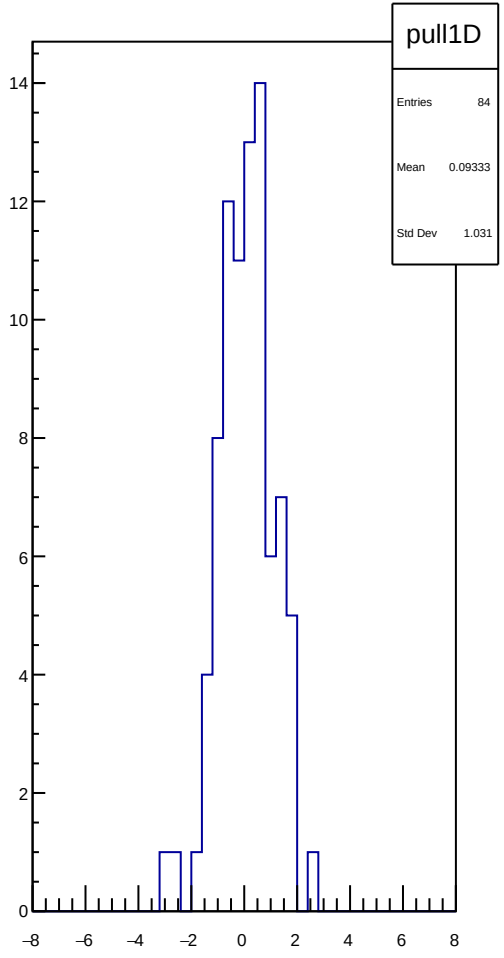

reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 83.1 / 84
p0 −0.5328 ± 7.079
pull
Entries 85
Mean 512.7
Std Dev 467

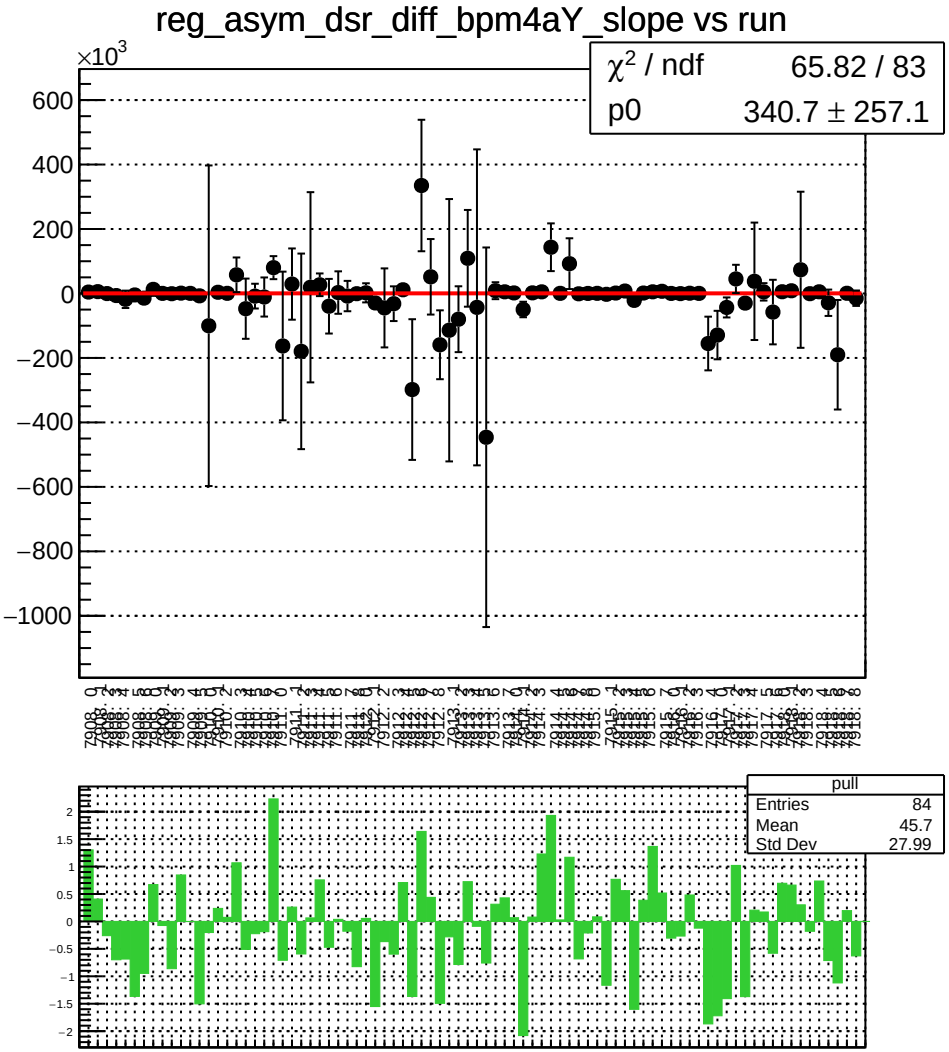

pull1D
Entries 85
Mean −0.005569
Std Dev 0.9887

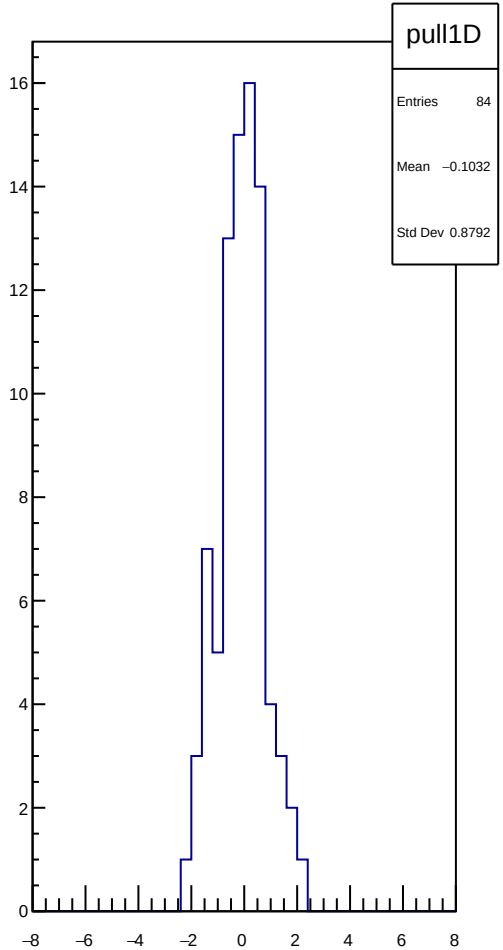

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 85.53 / 84
p0 0.1501 ± 0.2125
pull
Entries 85
Mean −507.3
Std Dev 571.9

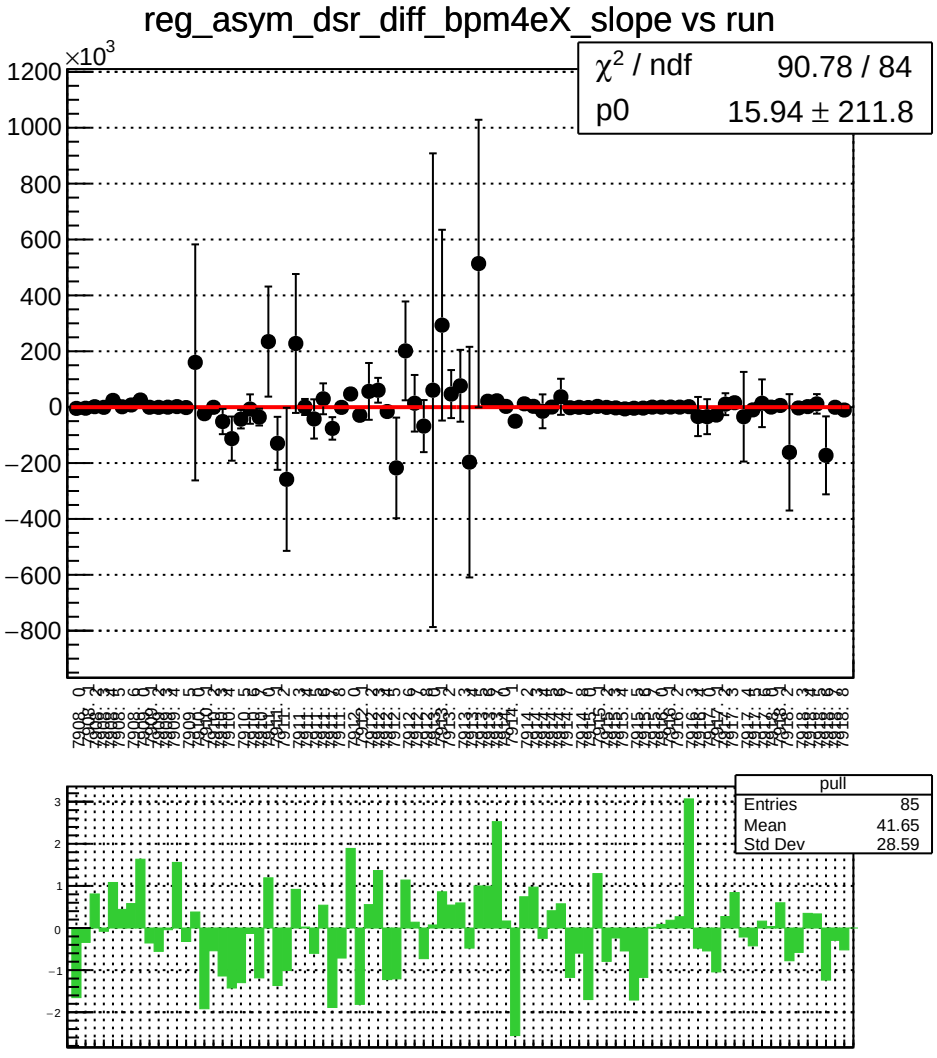

pull1D
Entries 85
Mean 0.000918
Std Dev 1.003

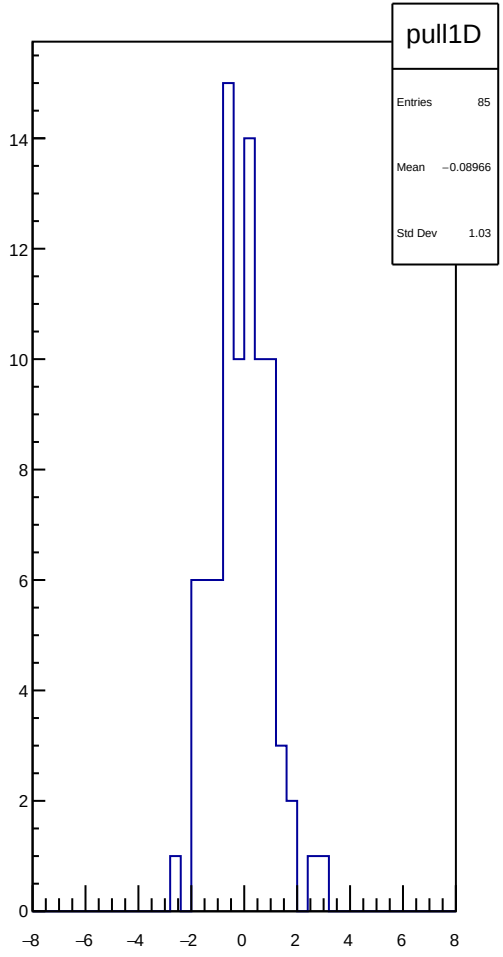

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 90.07 / 83
p0 −28.81 ± 250.9
pull
Entries 84
Mean 41.3
Std Dev 28.7

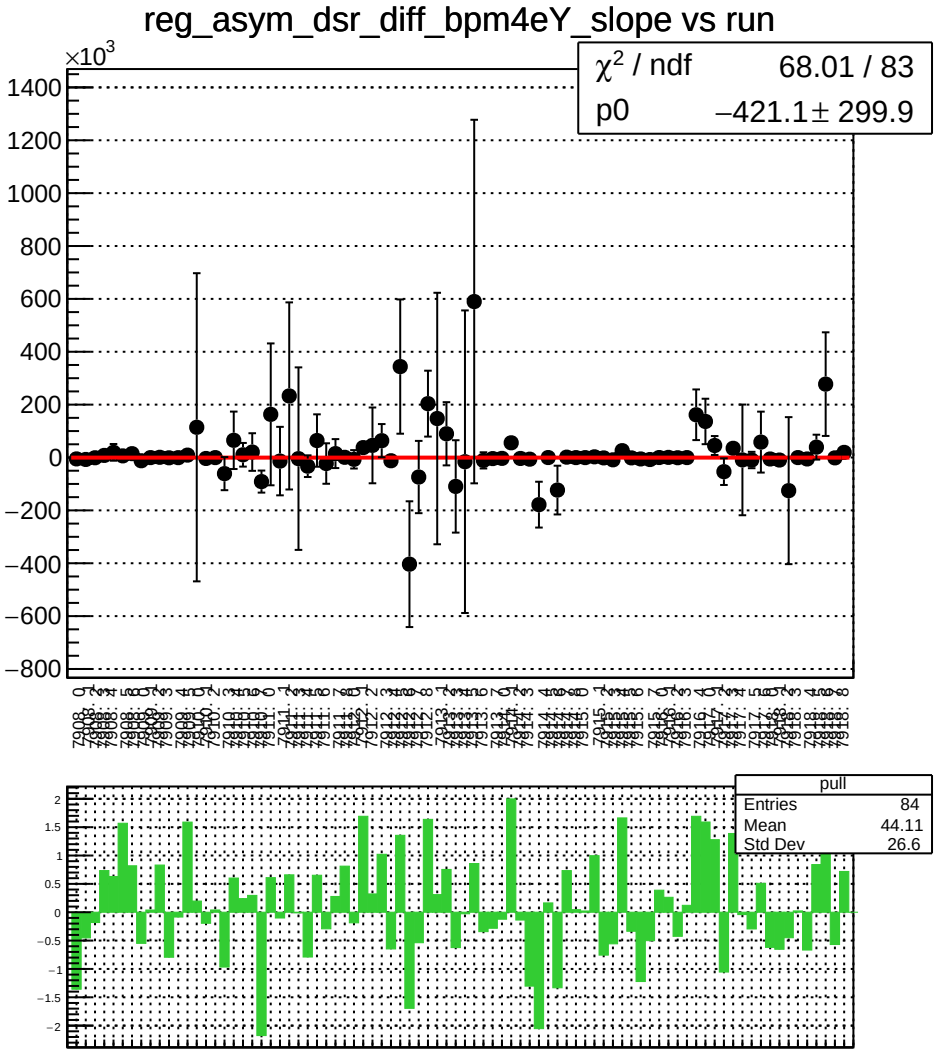

pull1D
Entries 84
Mean 0.09333
Std Dev 1.031

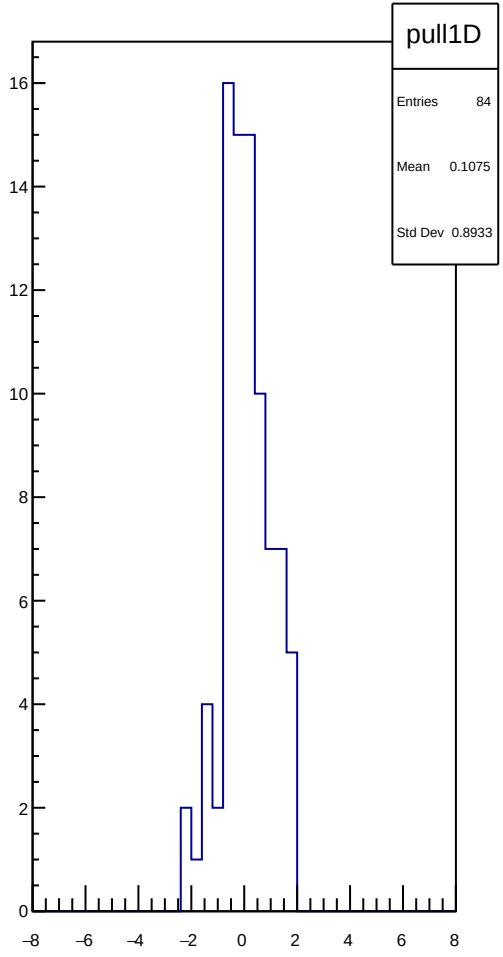

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 65.82 / 83
p0 340.7 ± 257.1
pull
Entries 84
Mean 45.7
Std Dev 27.99

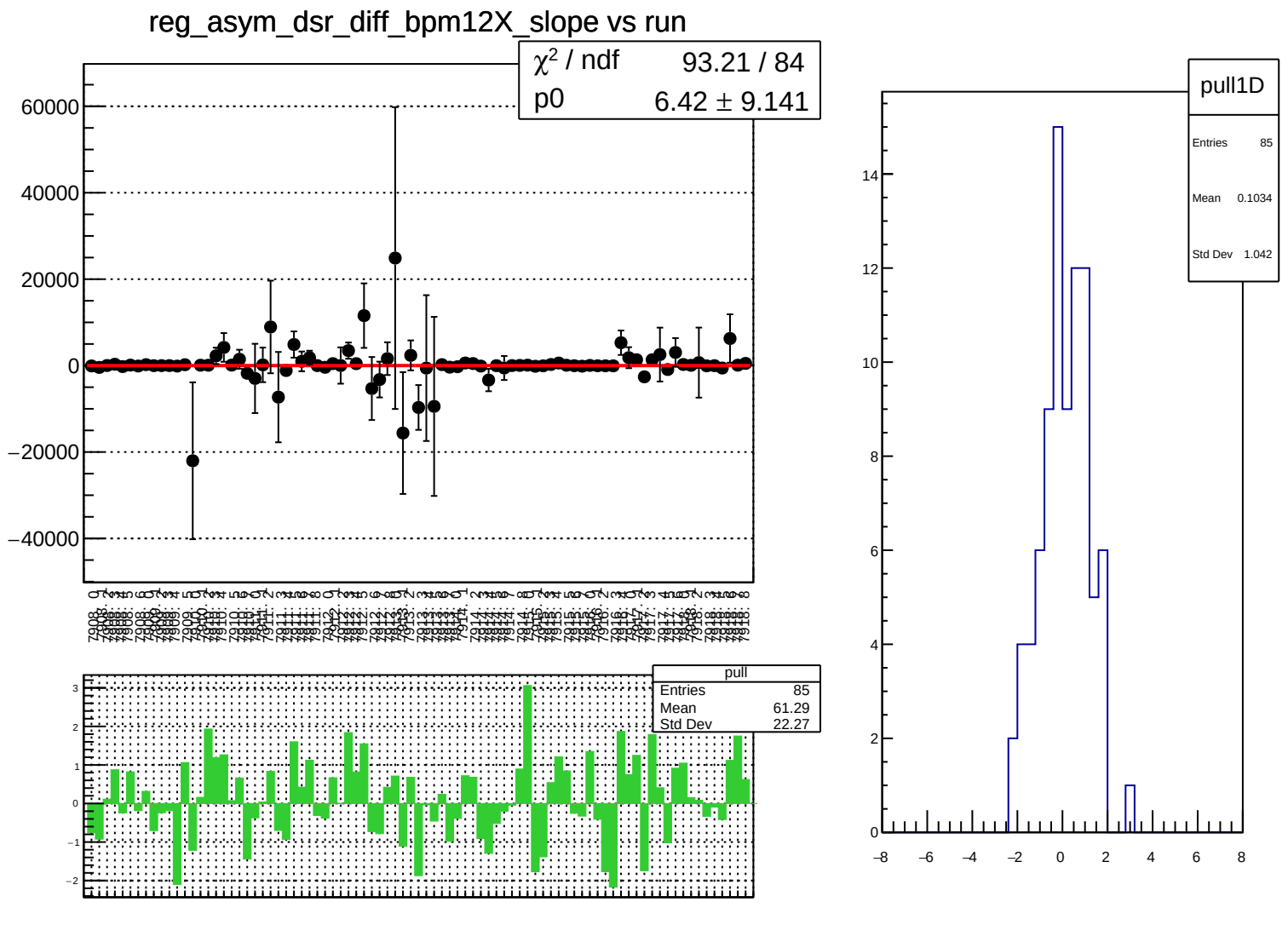

pull1D
Entries 84
Mean −0.1032
Std Dev 0.8792

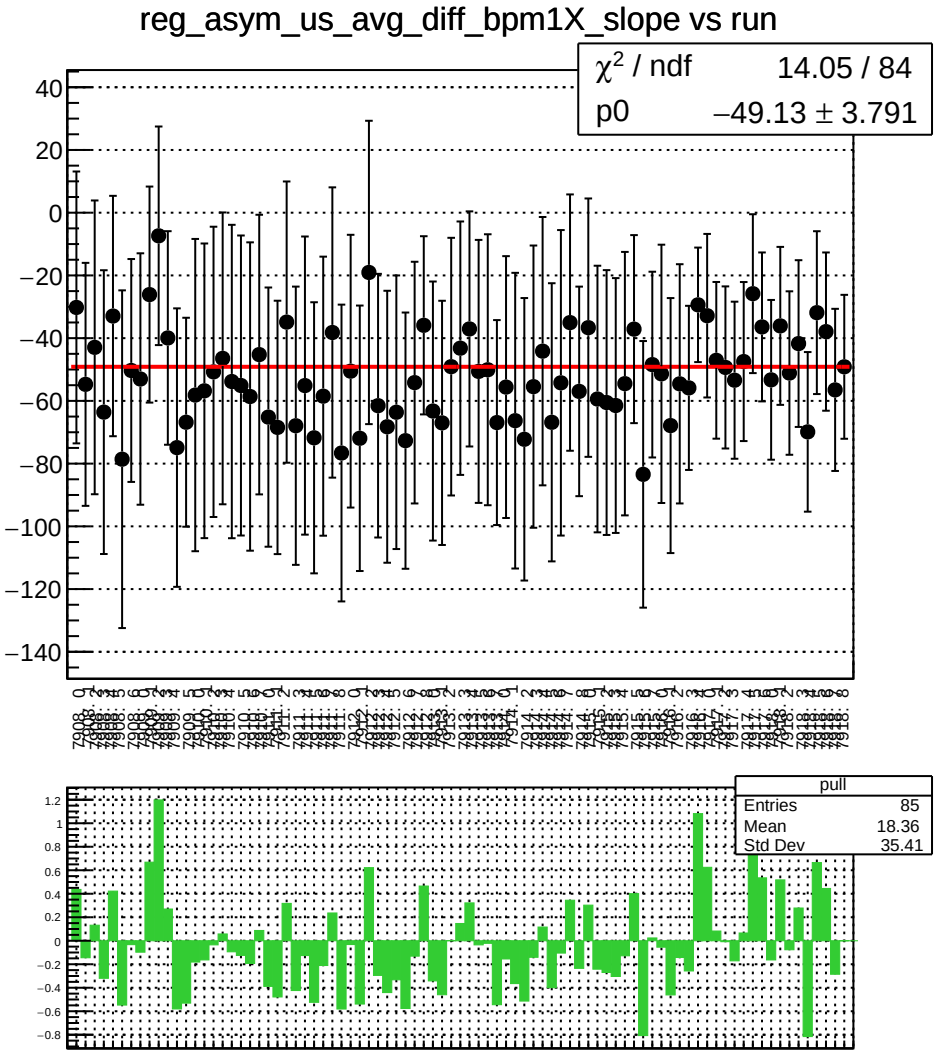

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 90.78 / 84
p0 15.94 ± 211.8
pull
Entries 85
Mean 41.65
Std Dev 28.59

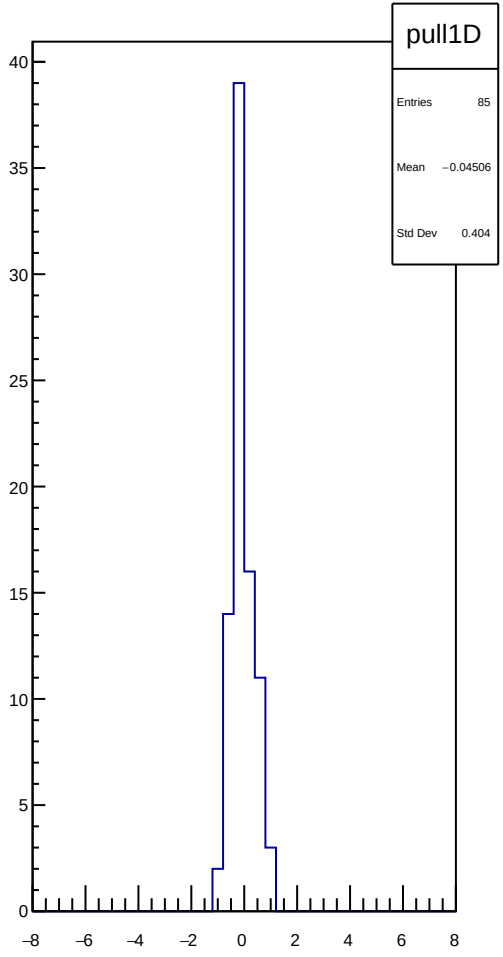

pull1D
Entries 85
Mean −0.08966
Std Dev 1.03

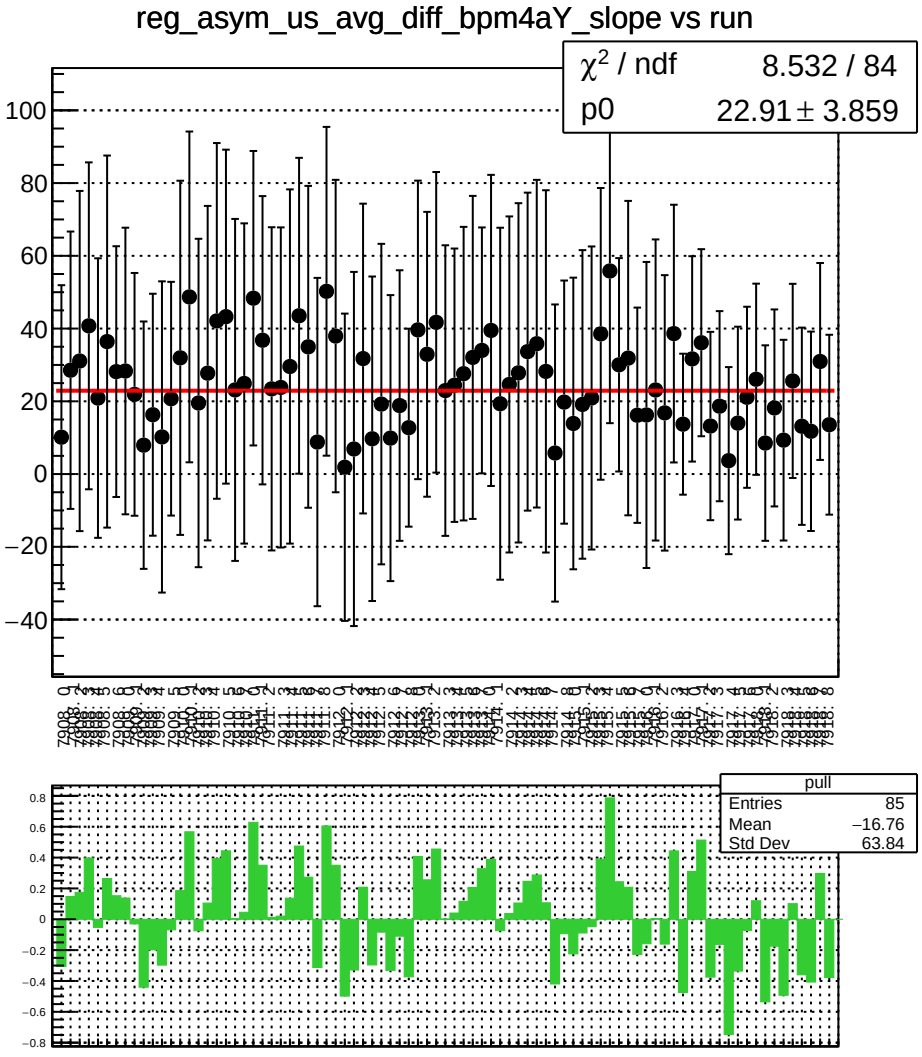

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 68.01 / 83
p0 −421.1 ± 299.9
pull
Entries 84
Mean 44.11
Std Dev 26.6

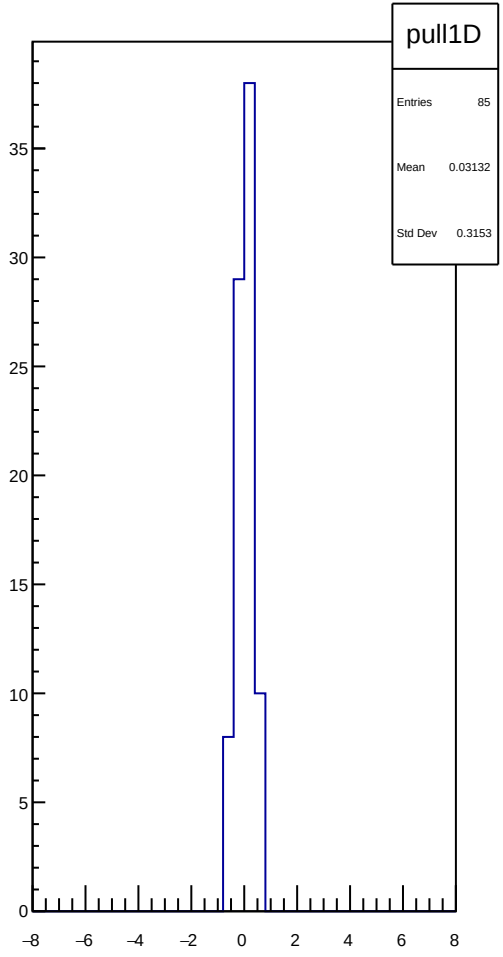

pull1D
Entries 84
Mean 0.1075
Std Dev 0.8933

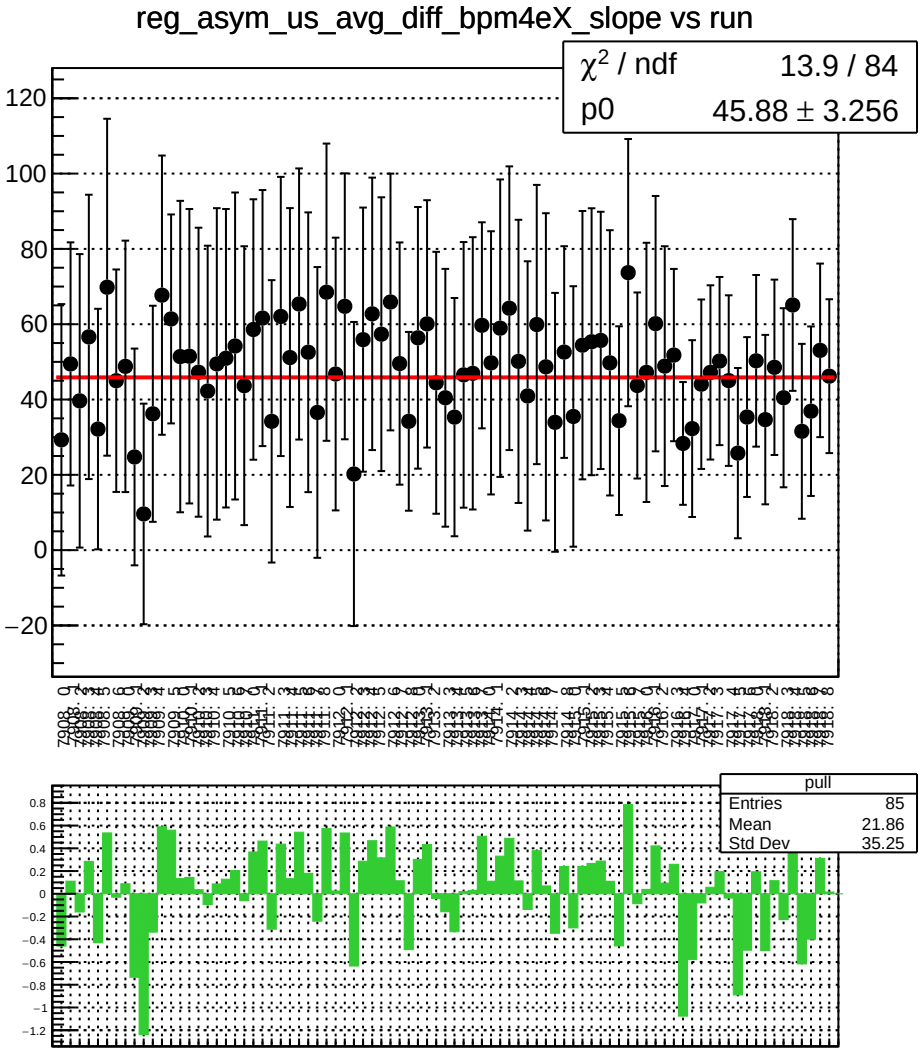

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 93.21 / 84
p0 6.42 ± 9.141
60000
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 61.29
Std Dev 22.27
pull1D
Entries 85
Mean 0.1034
Std Dev 1.042

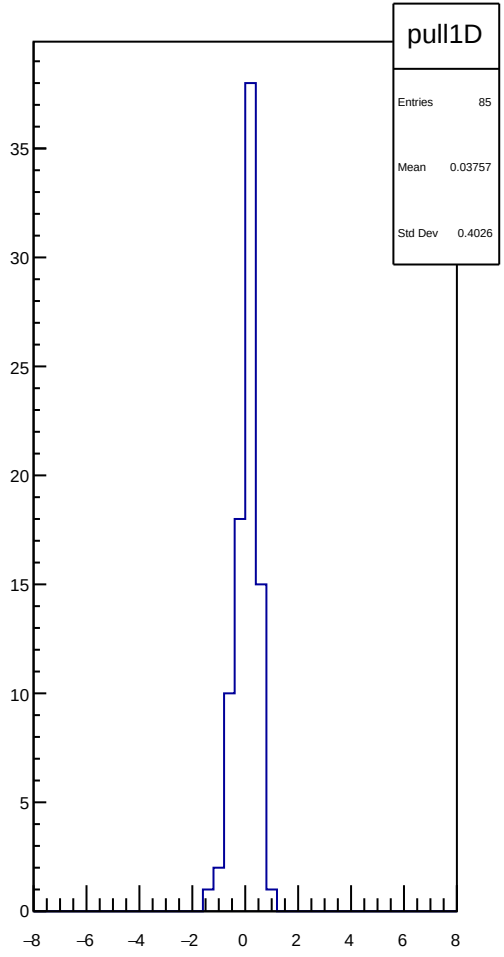

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 14.05 / 84
p0 −49.13 ± 3.791
pull
Entries 85
Mean 18.36
Std Dev 35.41

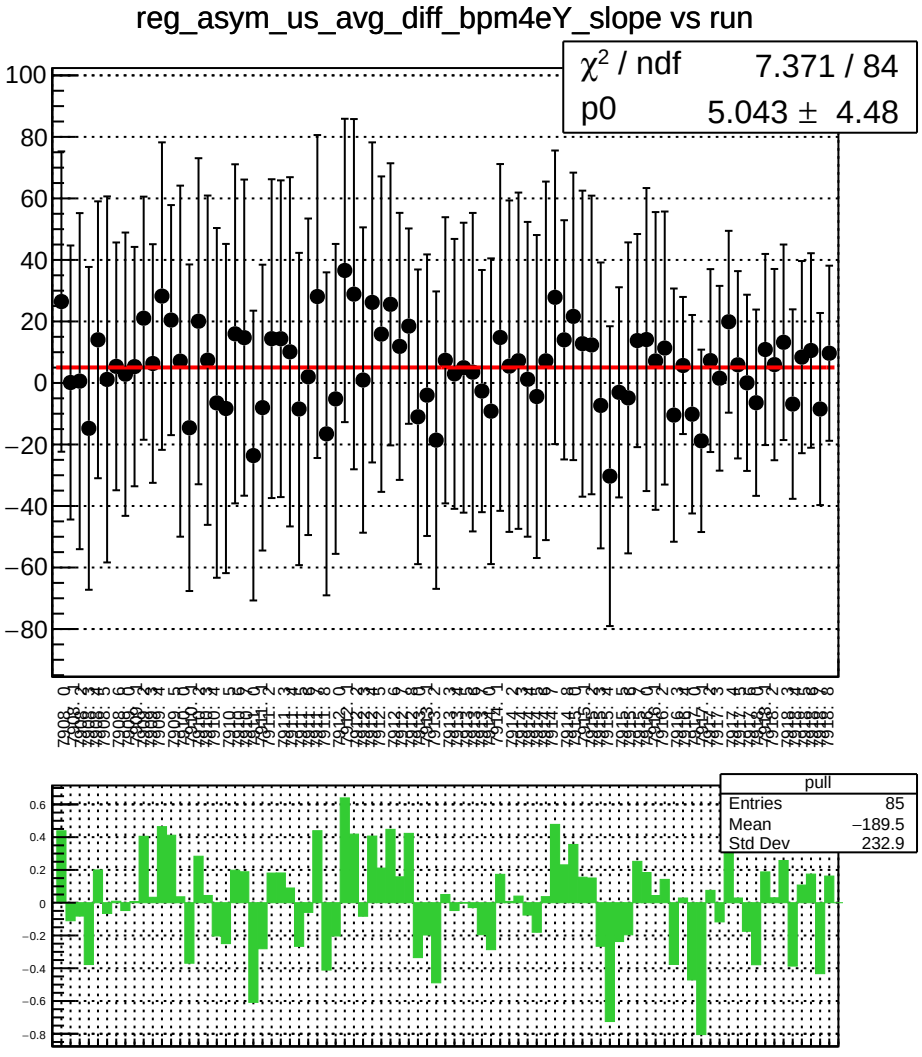

pull1D
Entries 85
Mean −0.04506
Std Dev 0.404

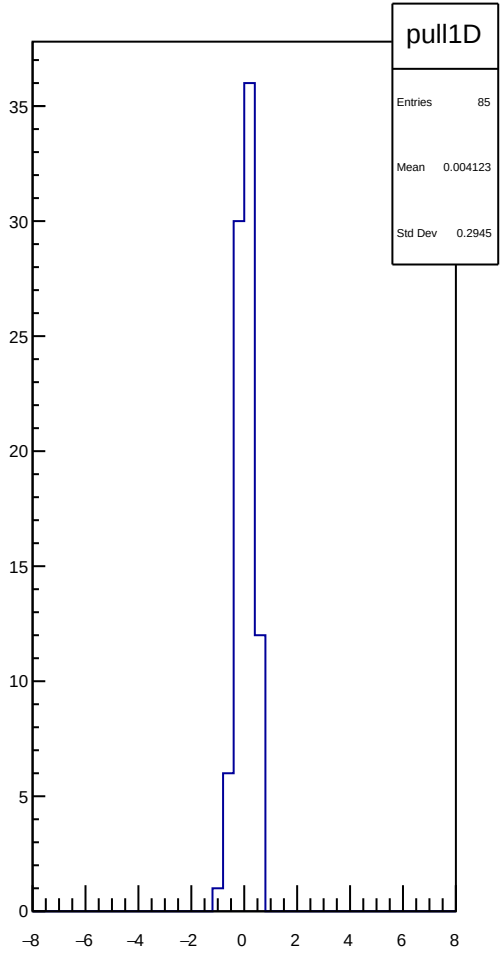

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.532 / 84
p0 22.91 ± 3.859
pull
Entries 85
Mean −16.76
Std Dev 63.84

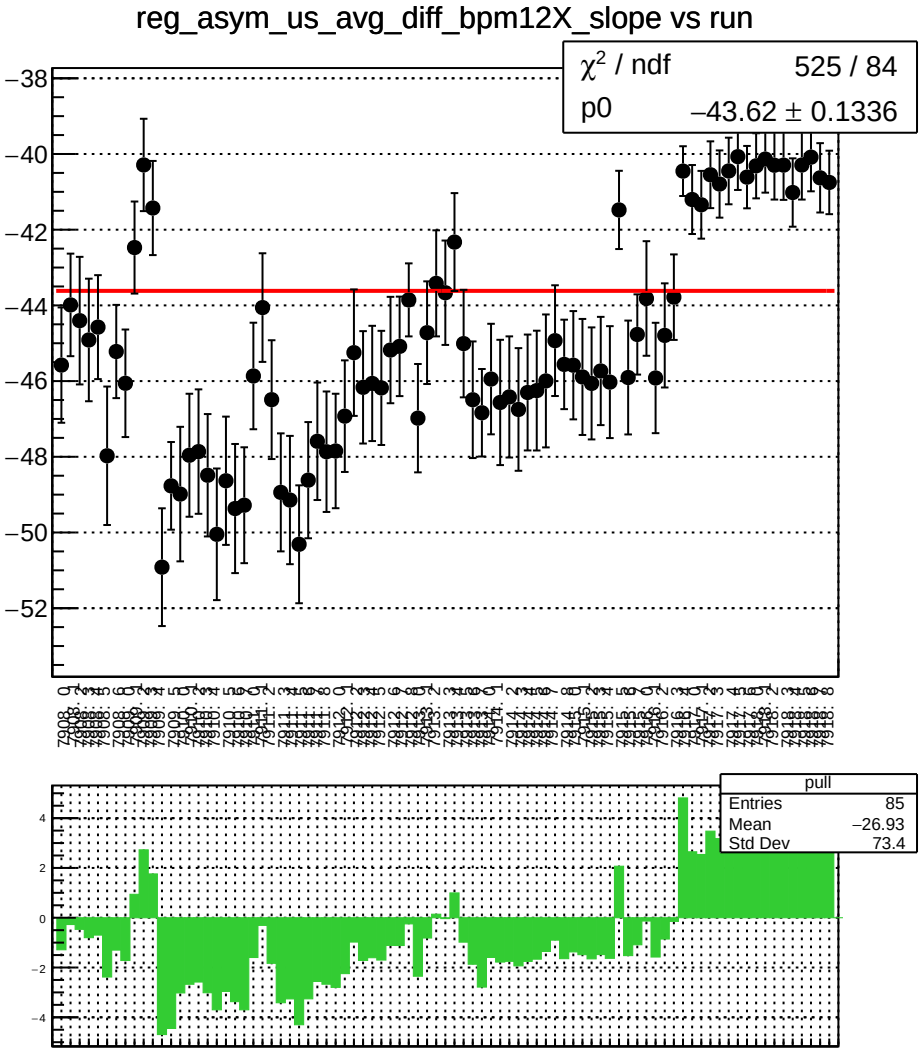

pull1D
Entries 85
Mean 0.03132
Std Dev 0.3153

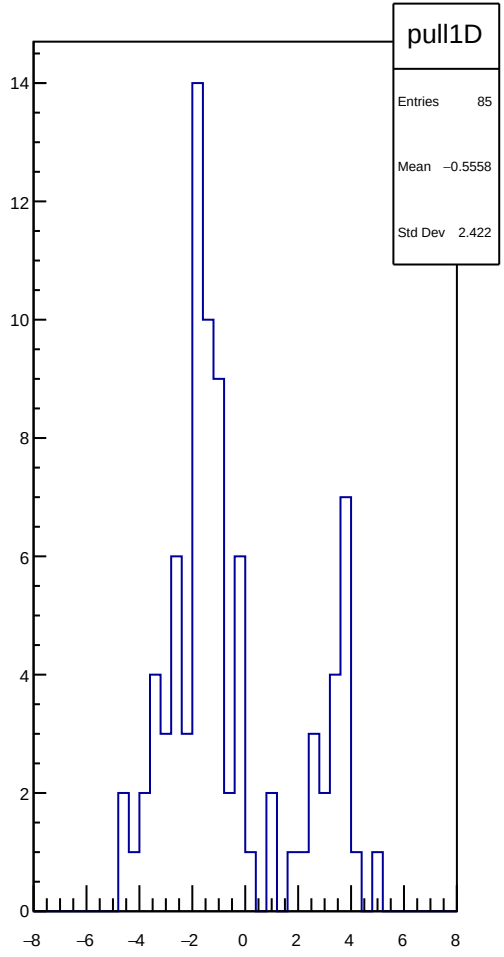

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 13.9 / 84
p0 45.88 ± 3.256
pull
Entries 85
Mean 21.86
Std Dev 35.25

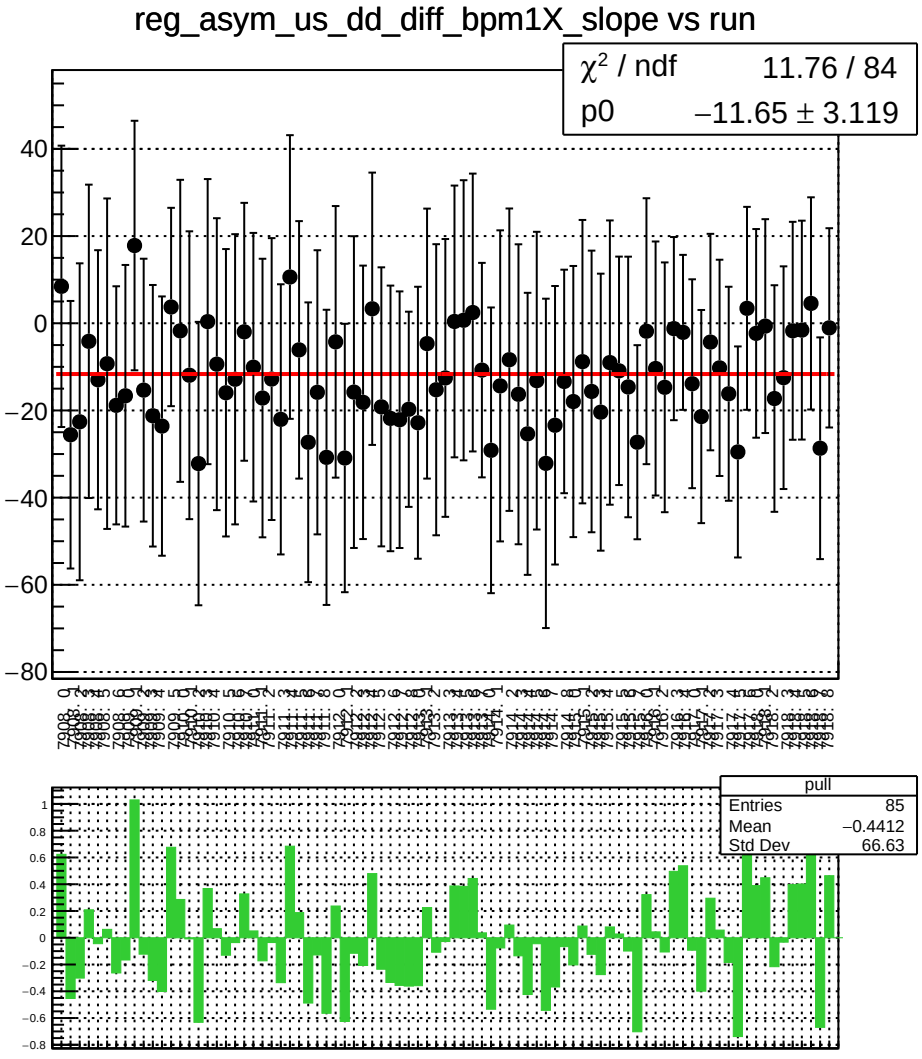

pull1D
Entries 85
Mean 0.03757
Std Dev 0.4026

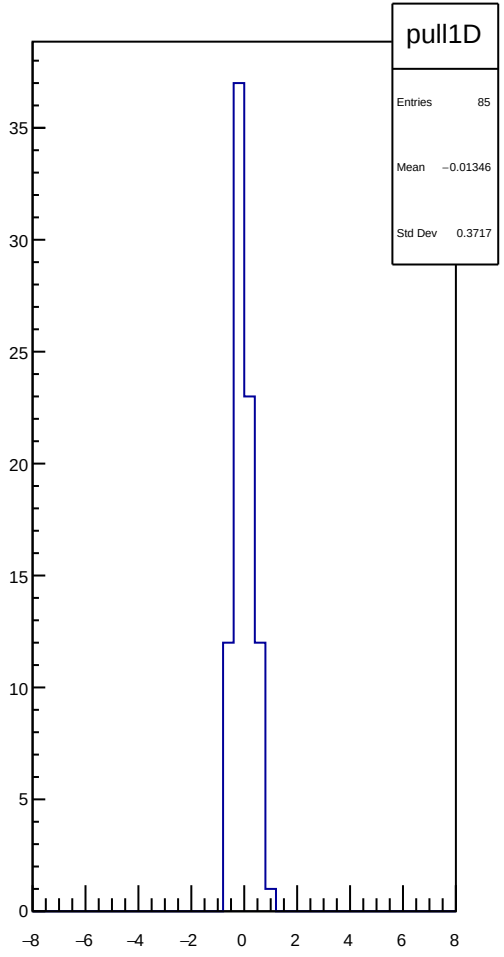

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.371 / 84
p0 5.043 ± 4.48
pull
Entries 85
Mean −189.5
Std Dev 232.9

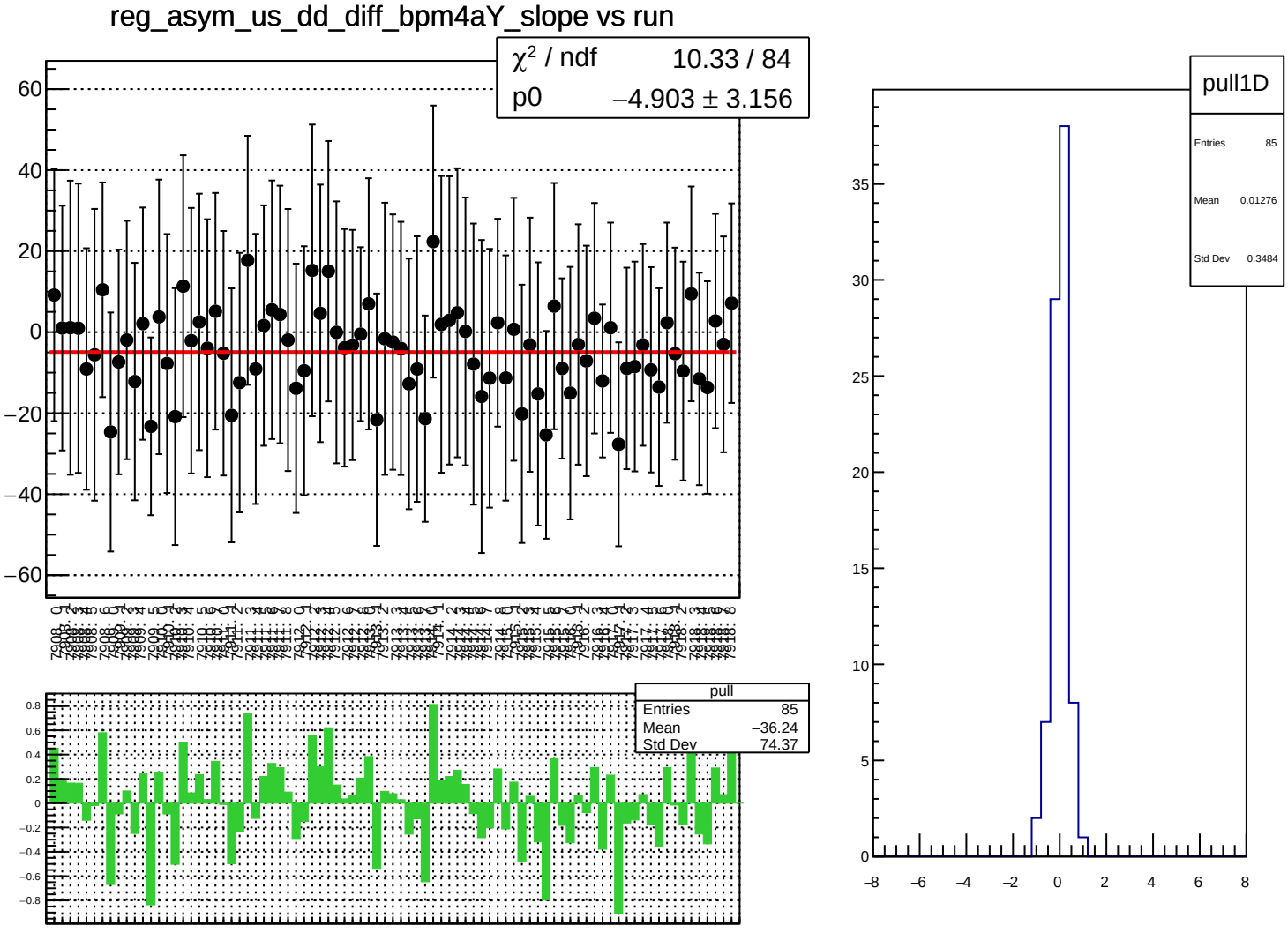

pull1D
Entries 85
Mean 0.004123
Std Dev 0.2945

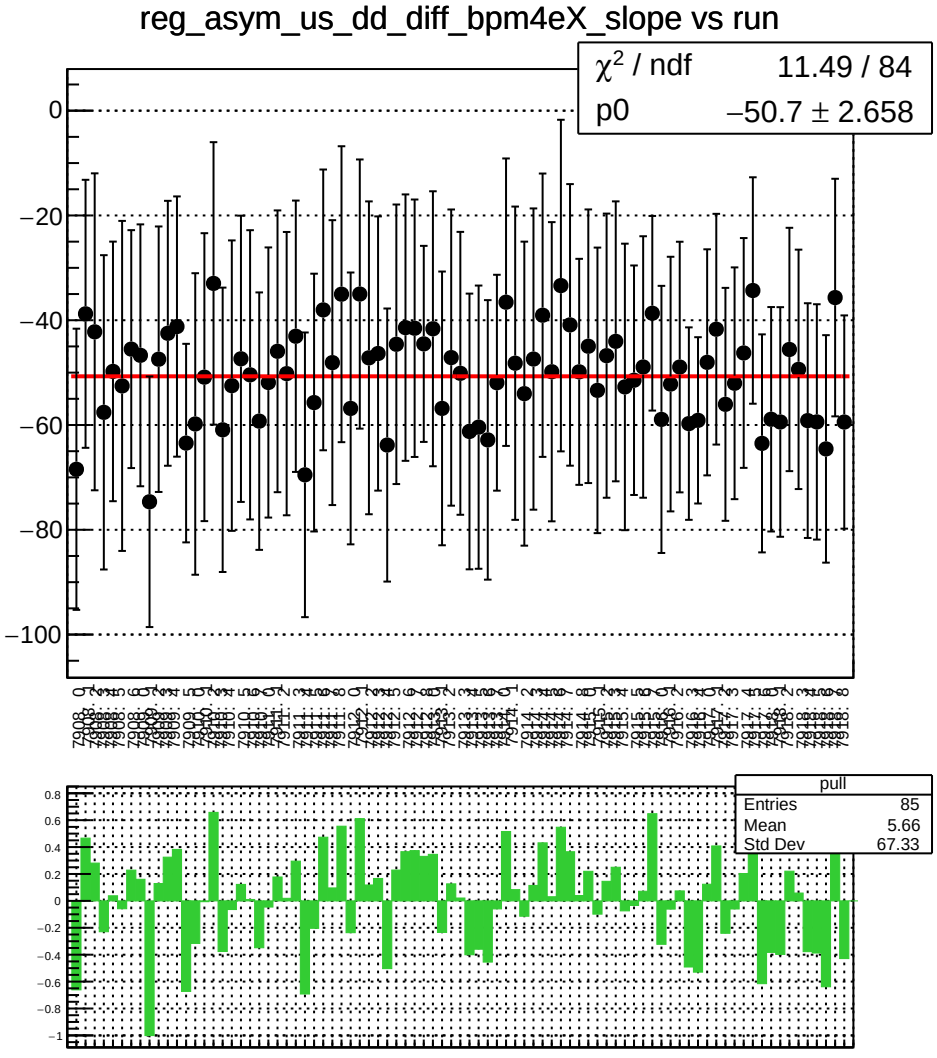

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 525 / 84
p0 −43.62 ± 0.1336
pull
Entries 85
Mean −26.93
Std Dev 73.4

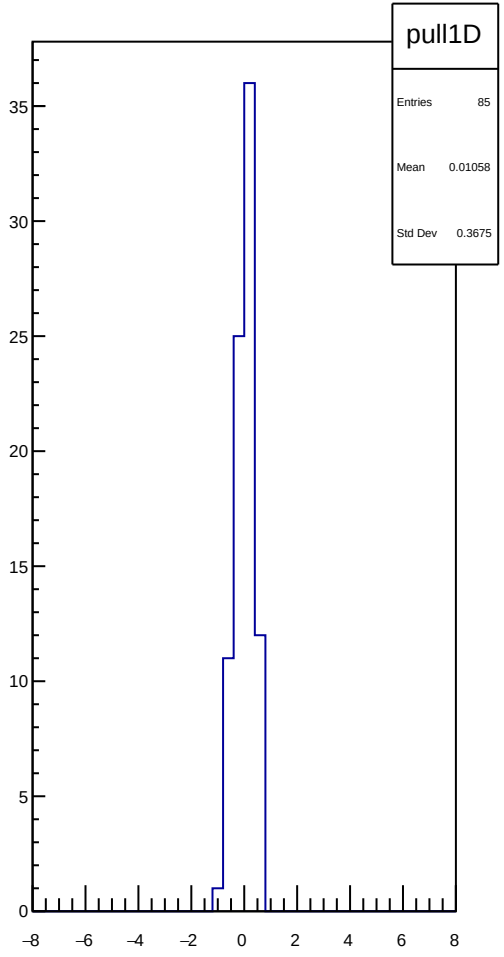

pull1D
Entries 85
Mean −0.5558
Std Dev 2.422

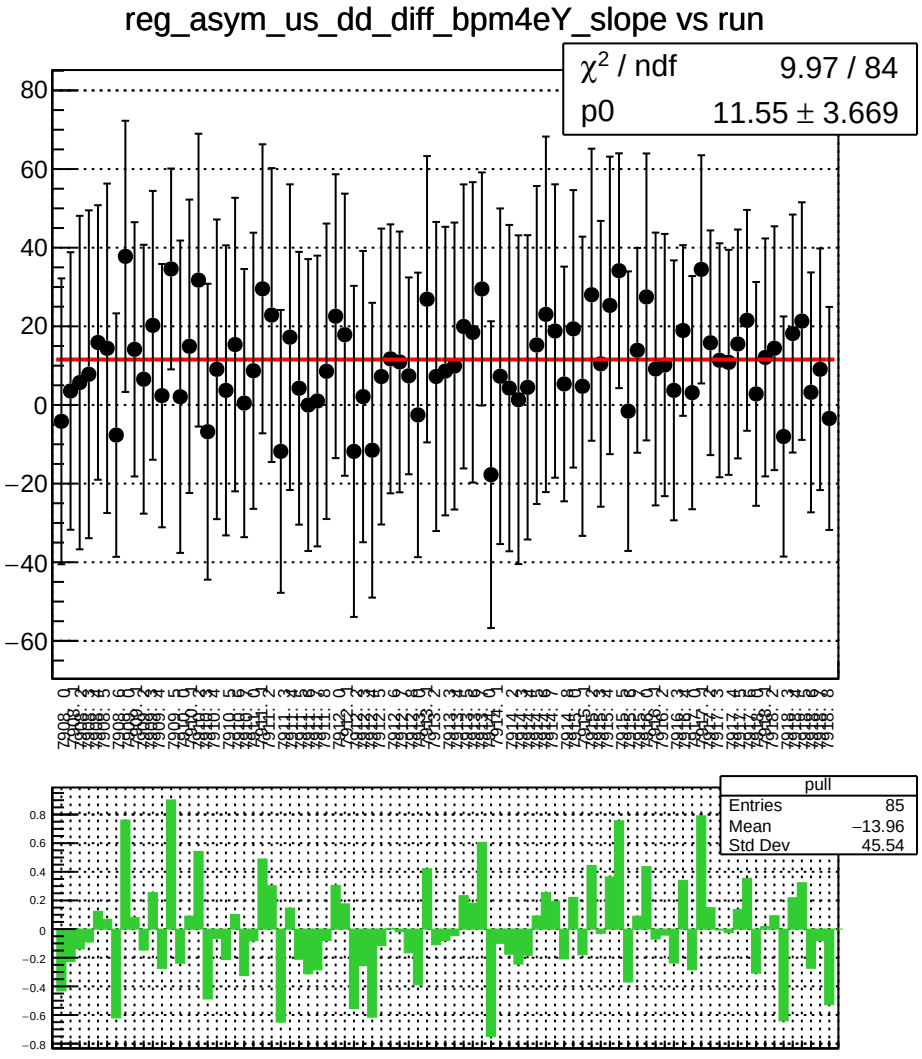

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 11.76 / 84
p0 −11.65 ± 3.119
pull
Entries 85
Mean −0.4412
Std Dev 66.63

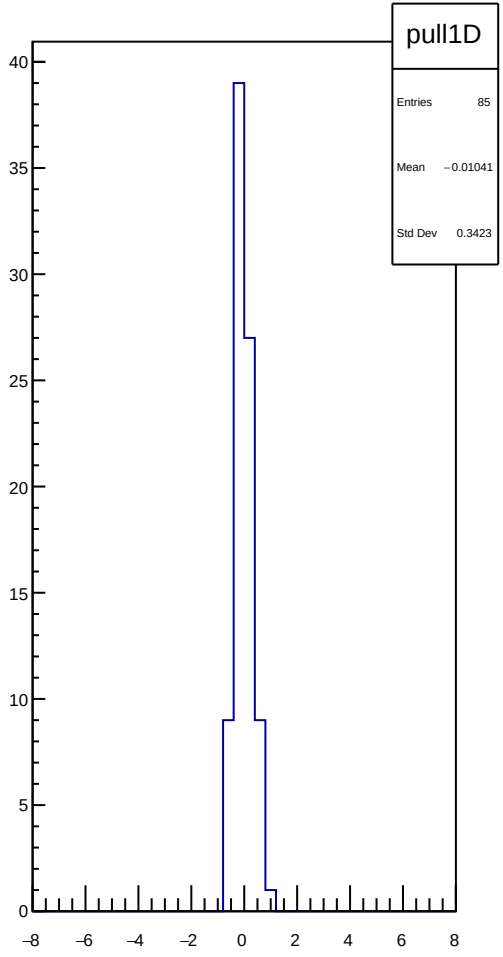

pull1D
Entries 85
Mean −0.01346
Std Dev 0.3717

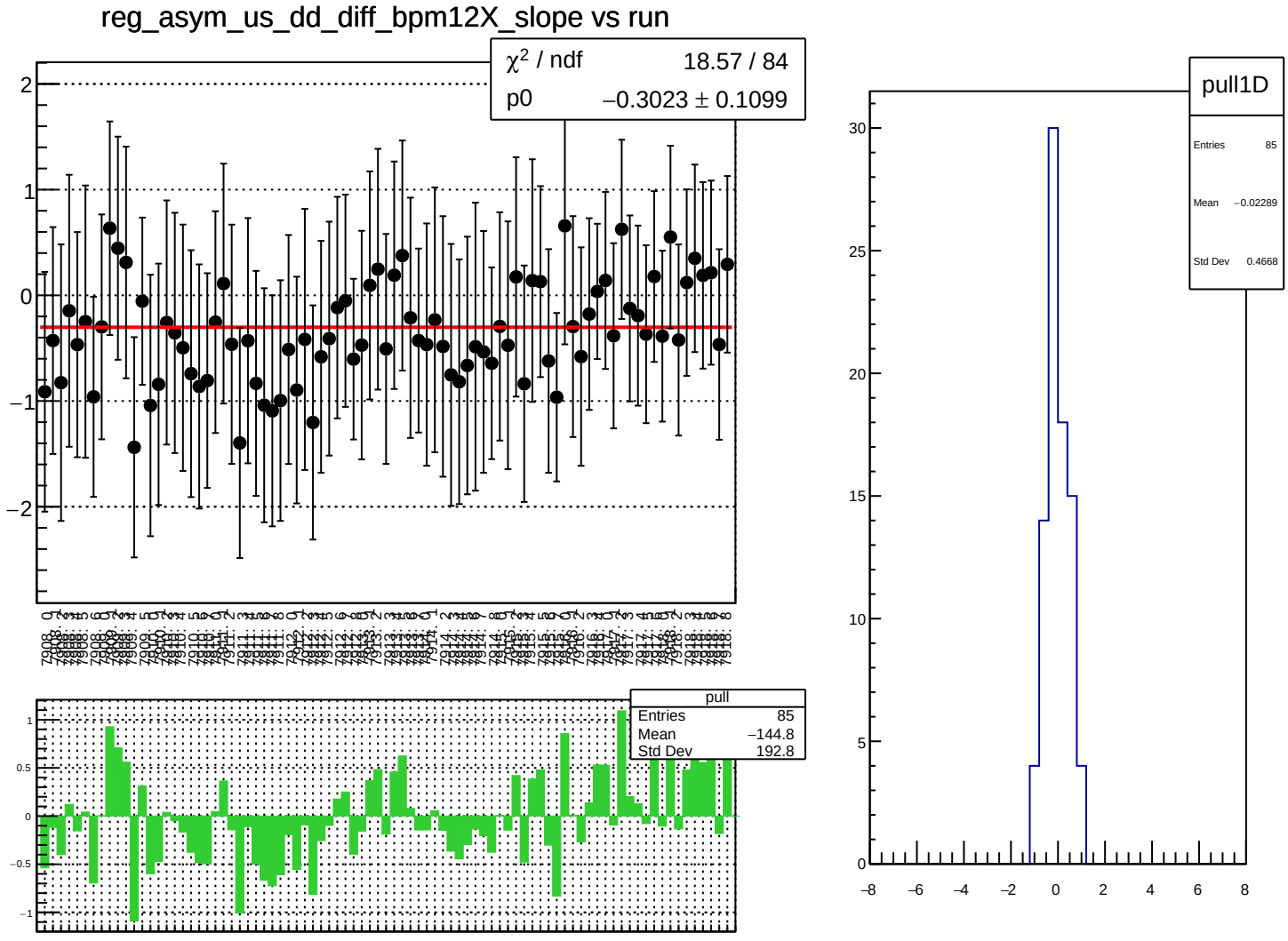

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.33 / 84
p0 −4.903 ± 3.156
pull
Entries 85
Mean −36.24
Std Dev 74.37
pull1D
Entries 85
Mean 0.01276
Std Dev 0.3484

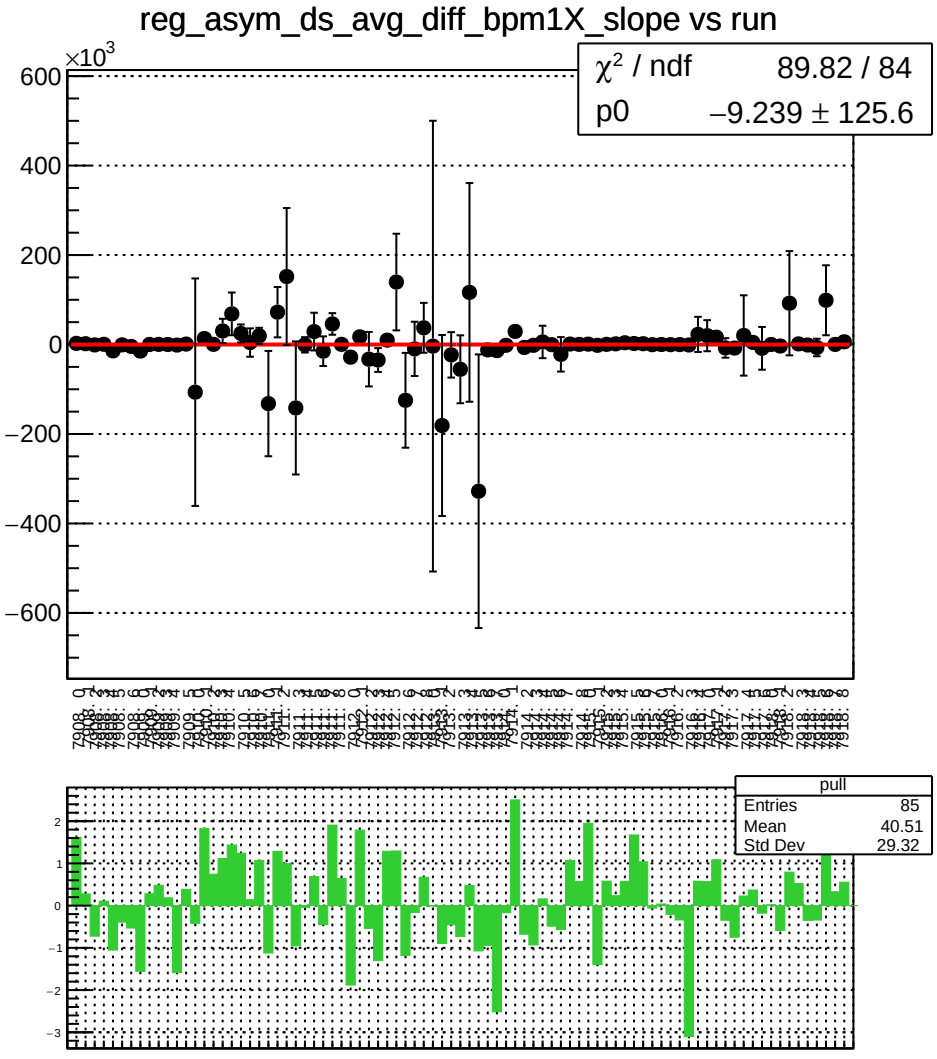

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.49 / 84
p0 −50.7 ± 2.658
pull
Entries 85
Mean 5.66
Std Dev 67.33

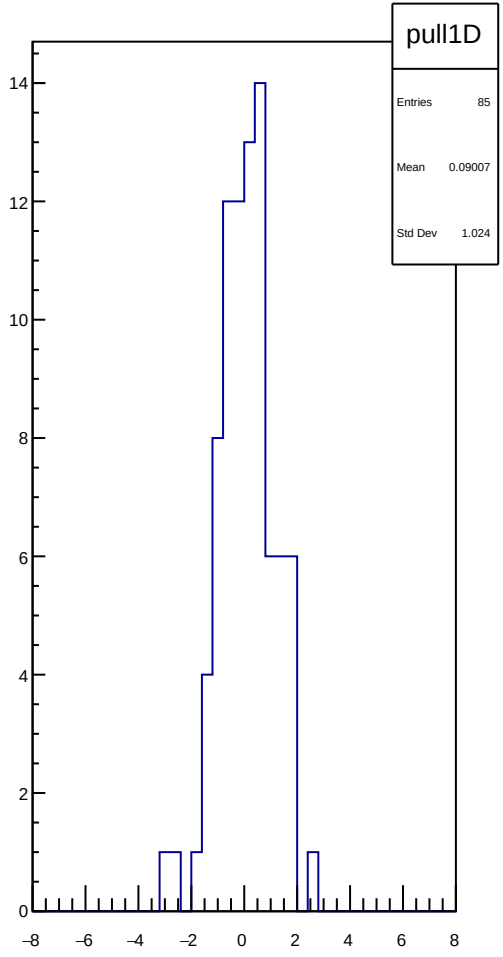

pull1D
Entries 85
Mean 0.01058
Std Dev 0.3675

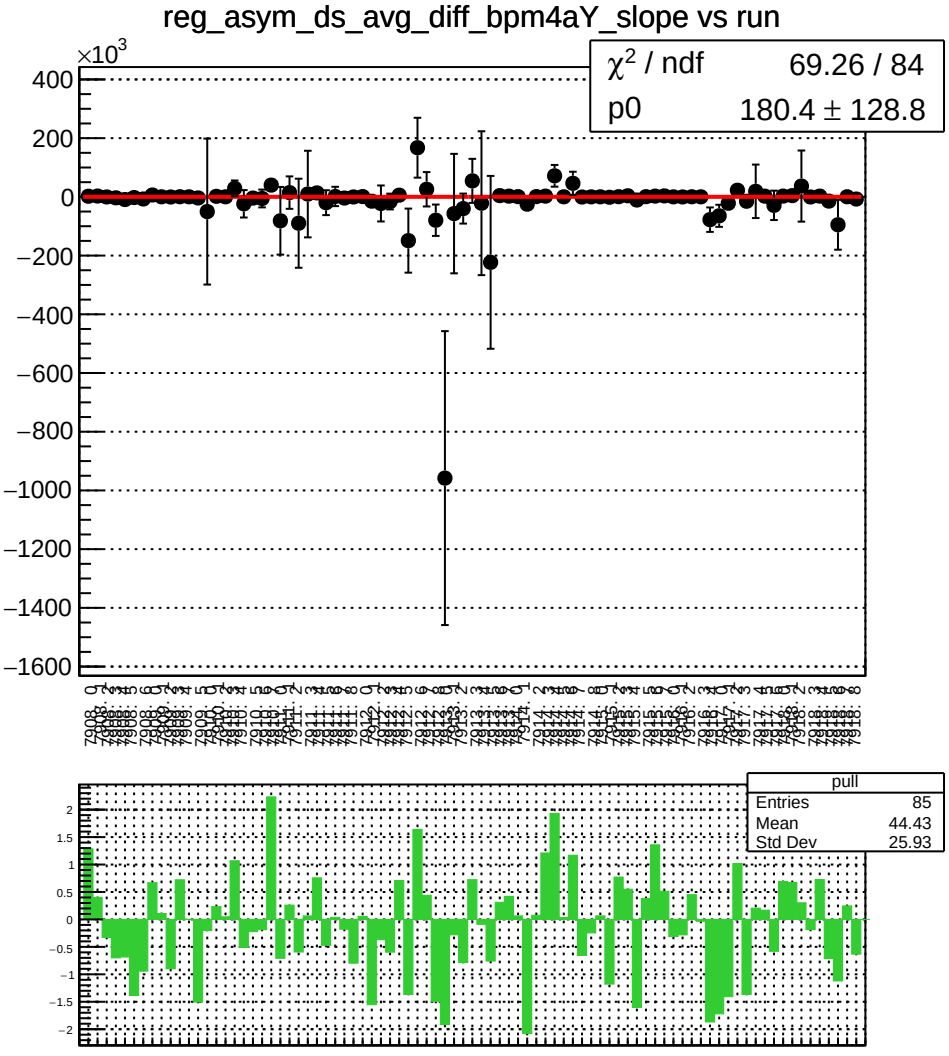

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.97 / 84
p0 11.55 ± 3.669
pull
Entries 85
Mean −13.96
Std Dev 45.54

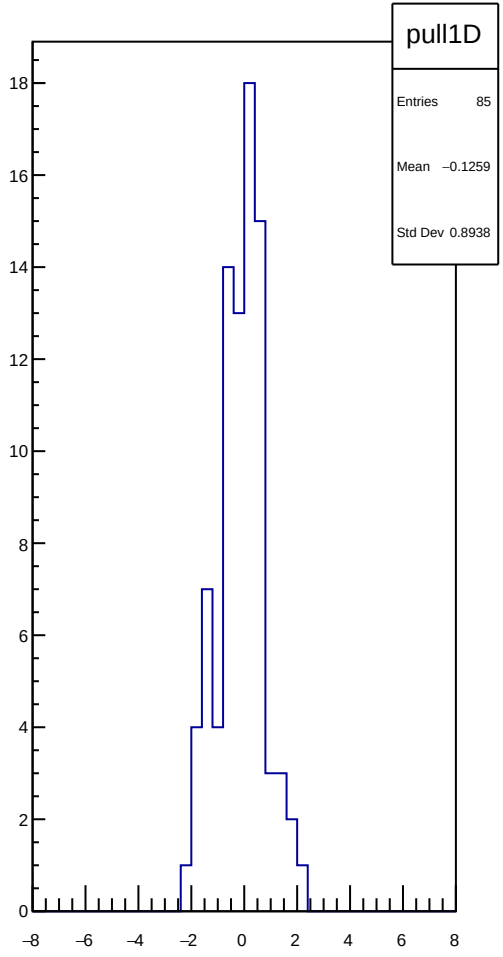

pull1D
Entries 85
Mean −0.01041
Std Dev 0.3423

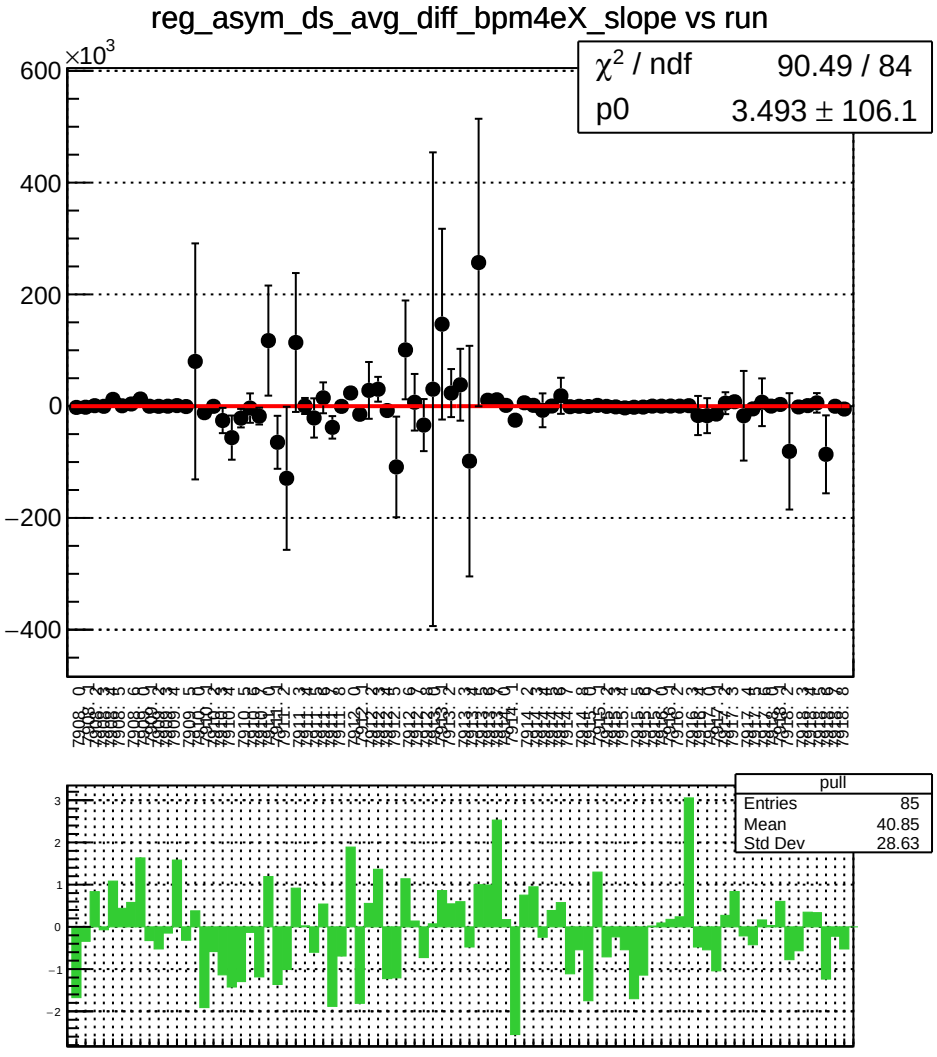

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 18.57 / 84
p0 −0.3023 ± 0.1099
pull
Entries 85
Mean −144.8
Std Dev 192.8
pull1D
Entries 85
Mean −0.02289
Std Dev 0.4668

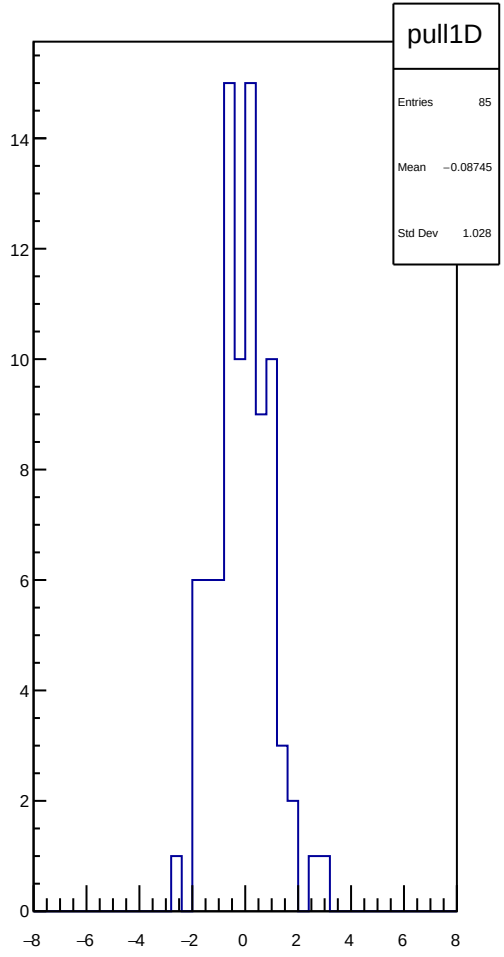

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 89.82 / 84
p0 −9.239 ± 125.6
pull
Entries 85
Mean 40.51
Std Dev 29.32
2
1
0
−1
−2
−3

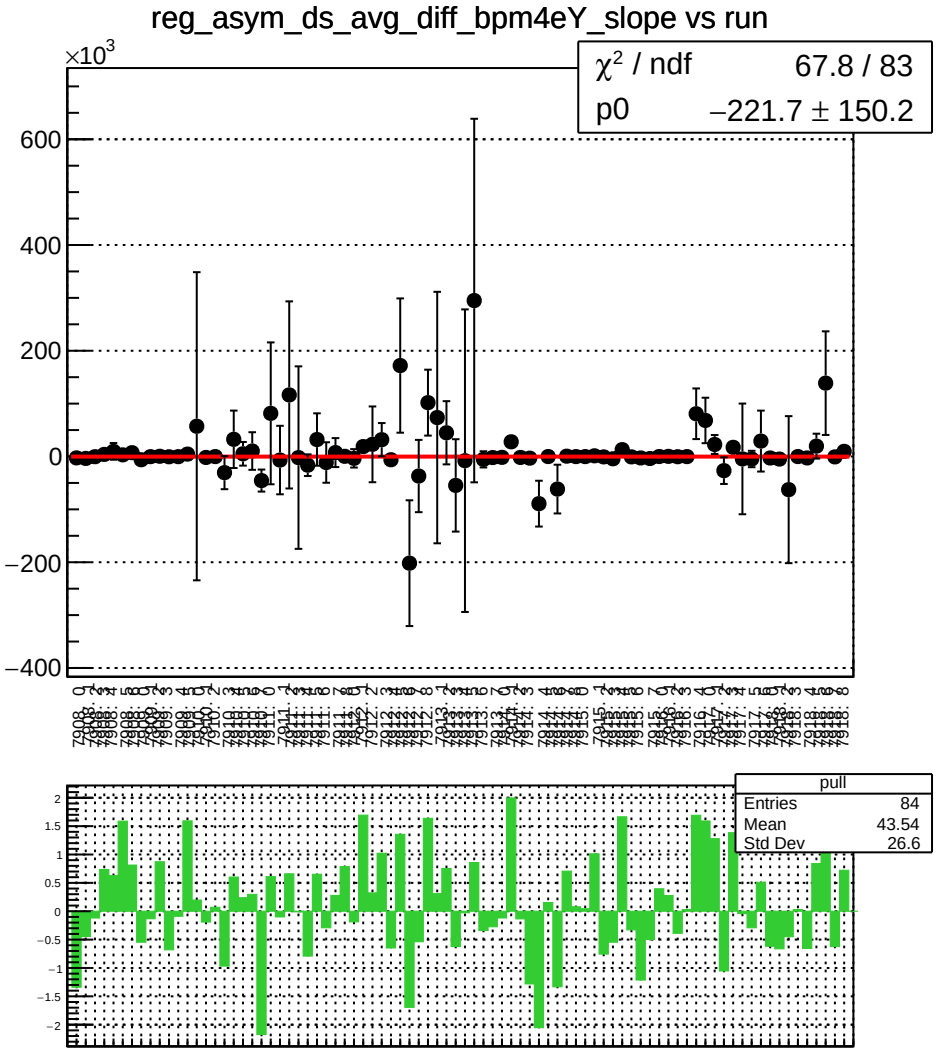

pull1D
Entries 85
Mean 0.09007
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

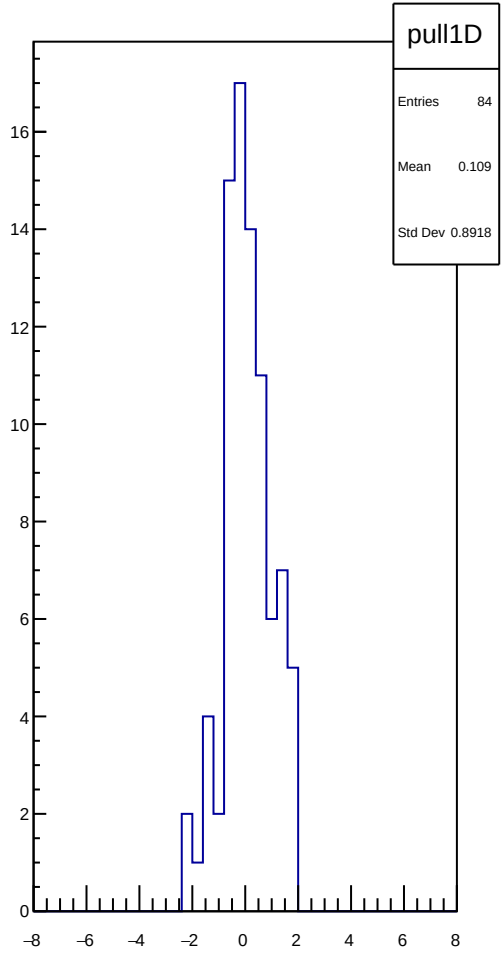

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 69.26 / 84
p0 180.4 ± 128.8
pull
Entries 85
Mean 44.43
Std Dev 25.93

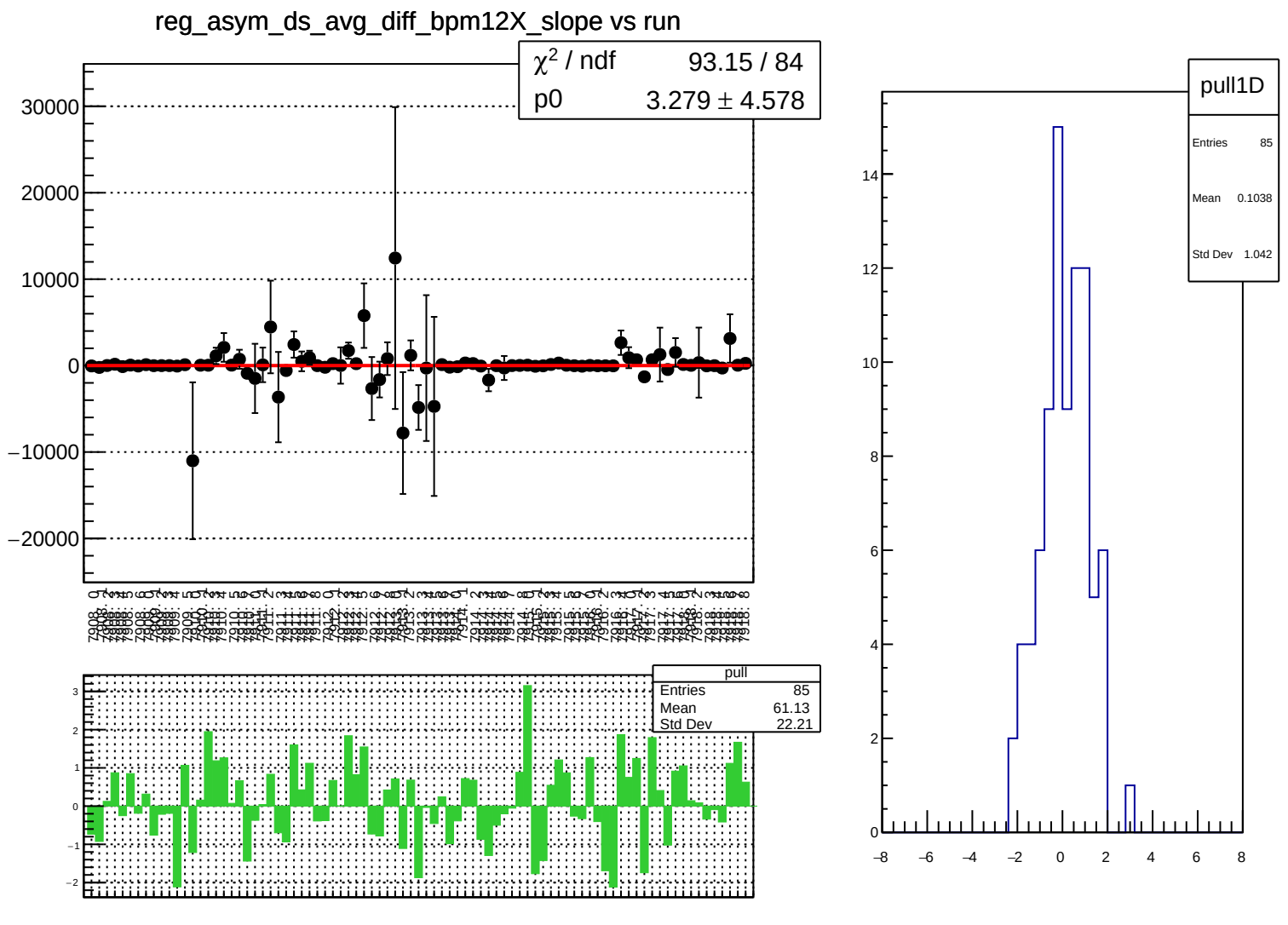

pull1D
Entries 85
Mean −0.1259
Std Dev 0.8938

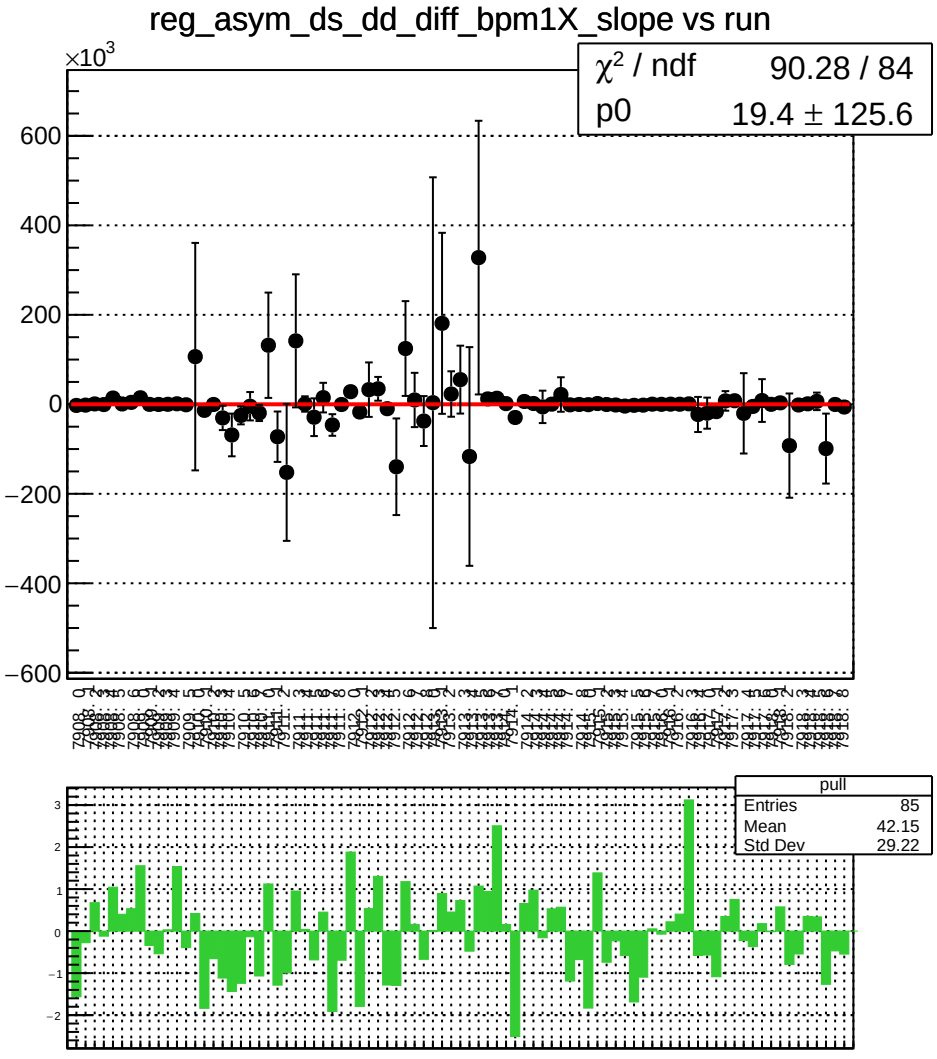

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 90.49 / 84
p0 3.493 ± 106.1
pull
Entries 85
Mean 40.85
Std Dev 28.63
3
2
1
0
−1
−2

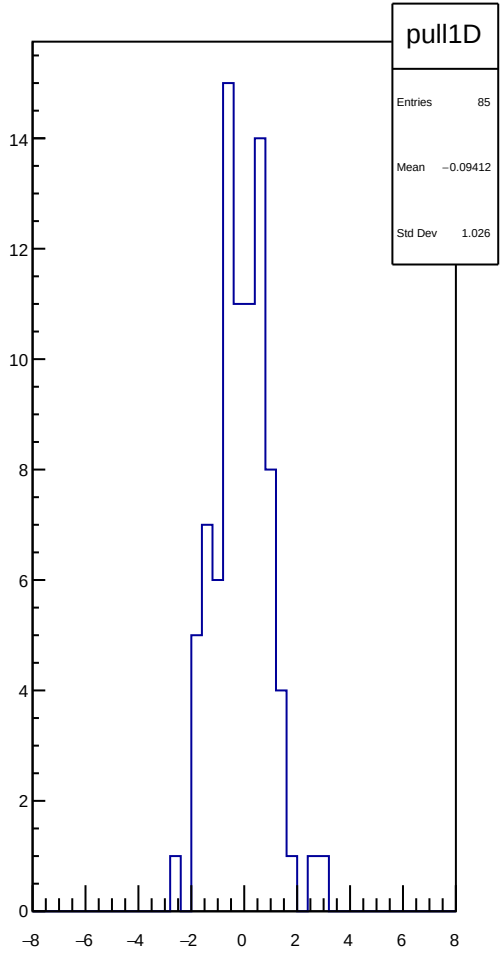

pull1D
Entries 85
Mean −0.08745
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

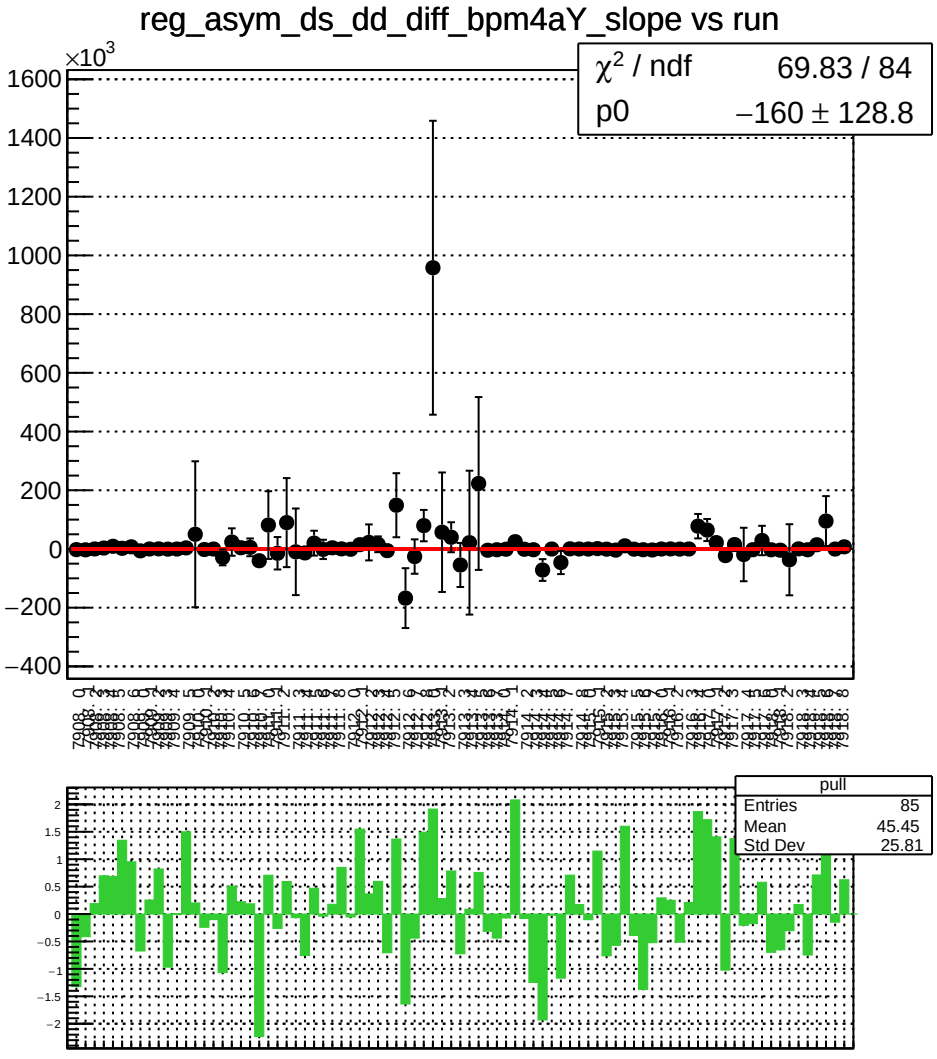

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 67.8 / 83
p0 −221.7 ± 150.2
pull
Entries 84
Mean 43.54
Std Dev 26.6

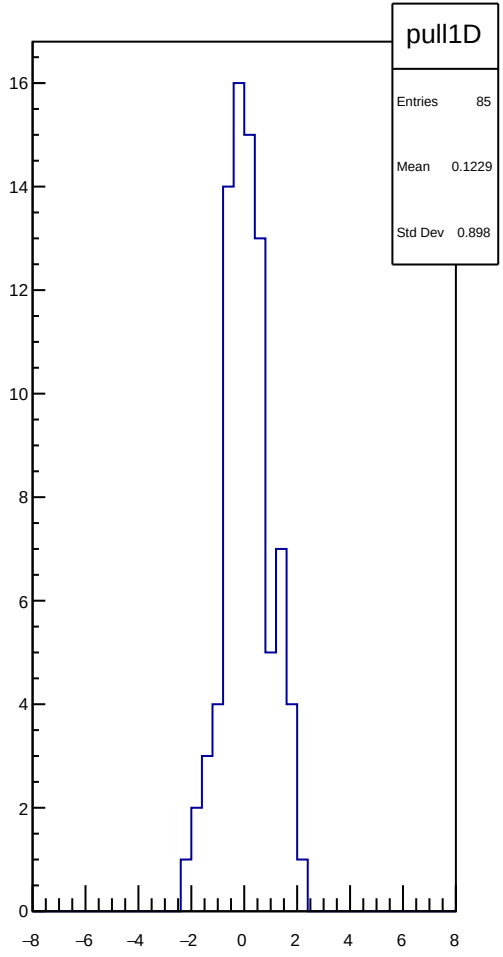

pull1D
Entries 84
Mean 0.109
Std Dev 0.8918

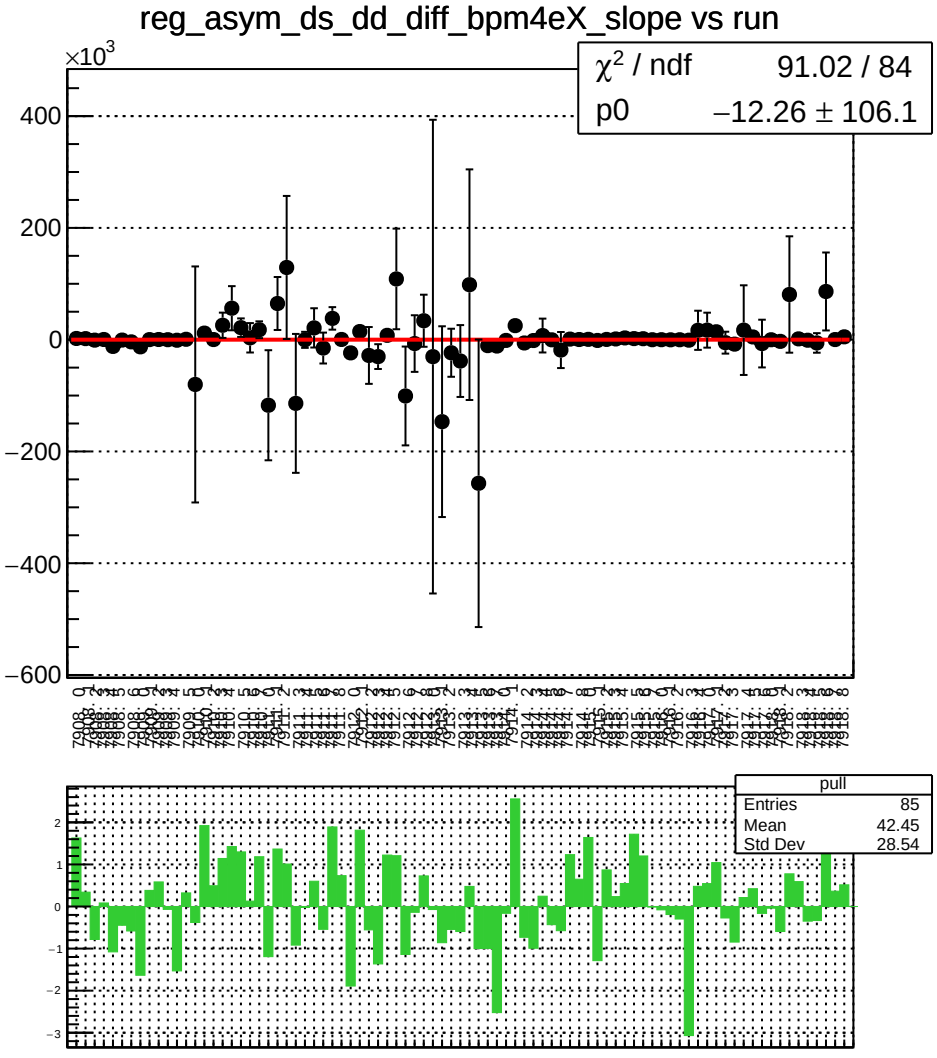

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 93.15 / 84
p0 3.279 ± 4.578
pull
Entries 85
Mean 61.13
Std Dev 22.21
pull1D
Entries 85
Mean 0.1038
Std Dev 1.042

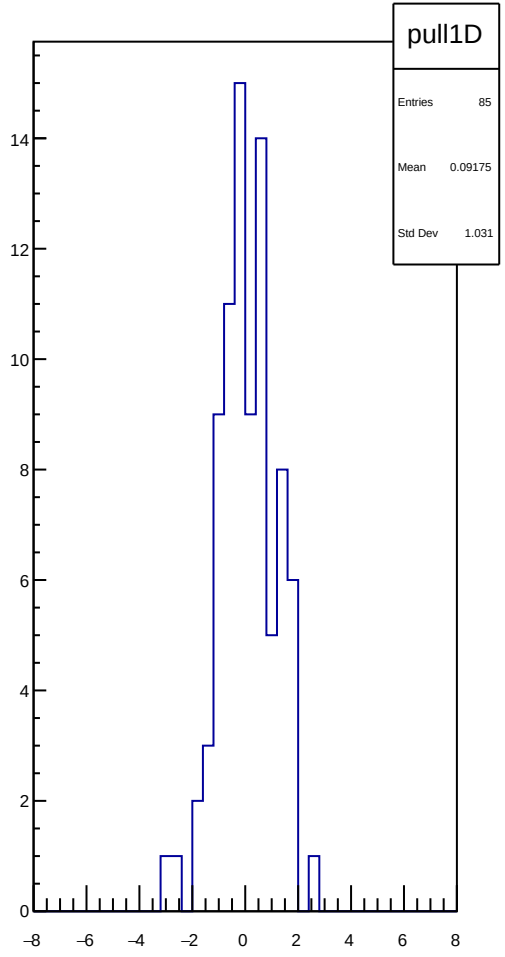

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 90.28 / 84
p0 19.4 ± 125.6
pull
Entries 85
Mean 42.15
Std Dev 29.22

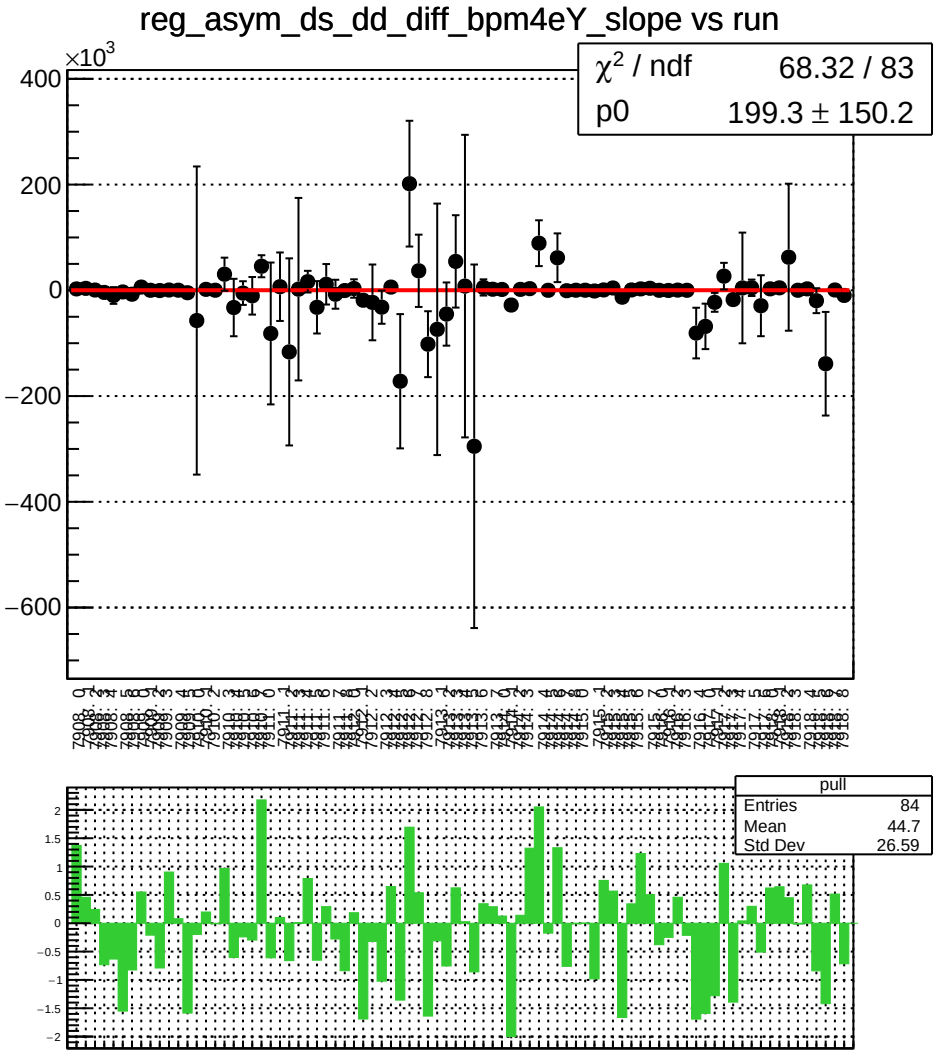

pull1D
Entries 85
Mean −0.09412
Std Dev 1.026

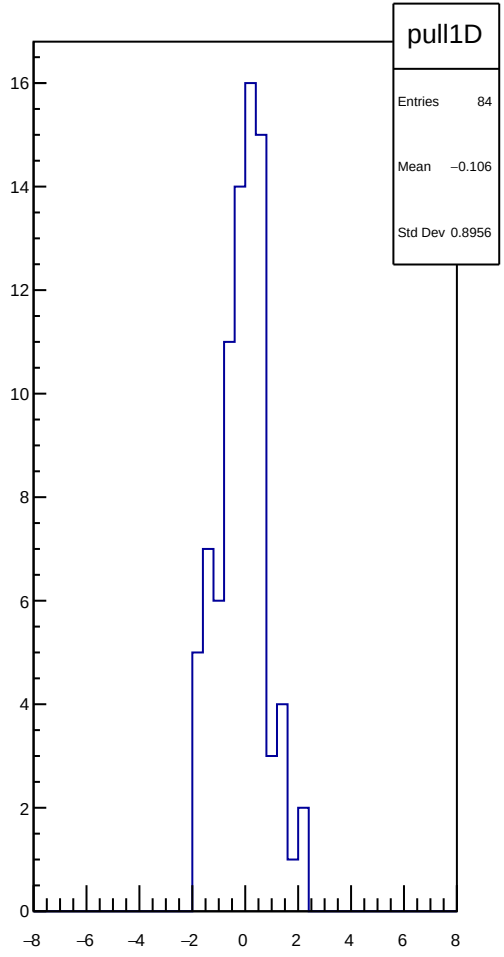

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 69.83 / 84
p0 −160 ± 128.8
pull
Entries 85
Mean 45.45
Std Dev 25.81

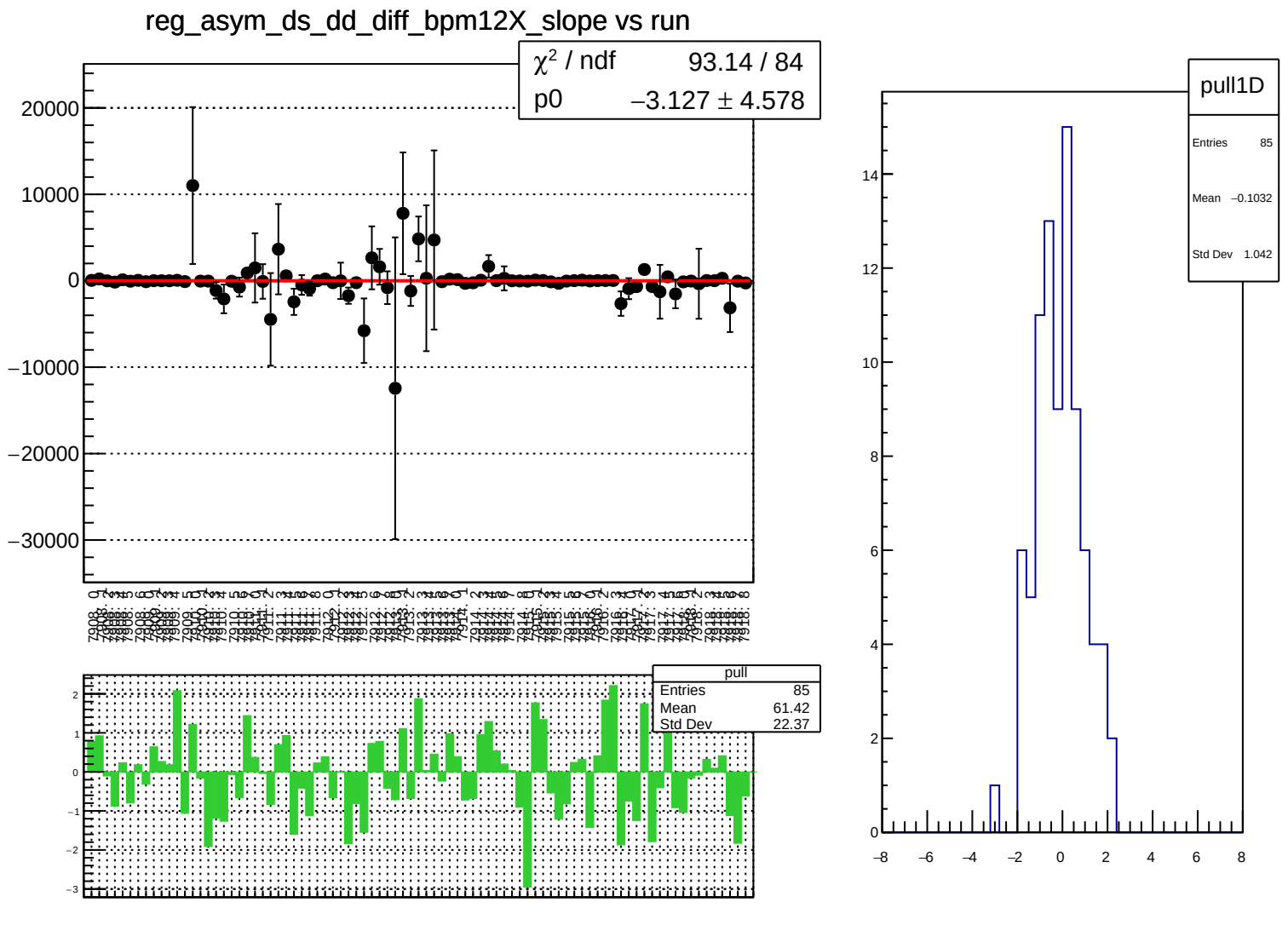

pull1D
Entries 85
Mean 0.1229
Std Dev 0.898

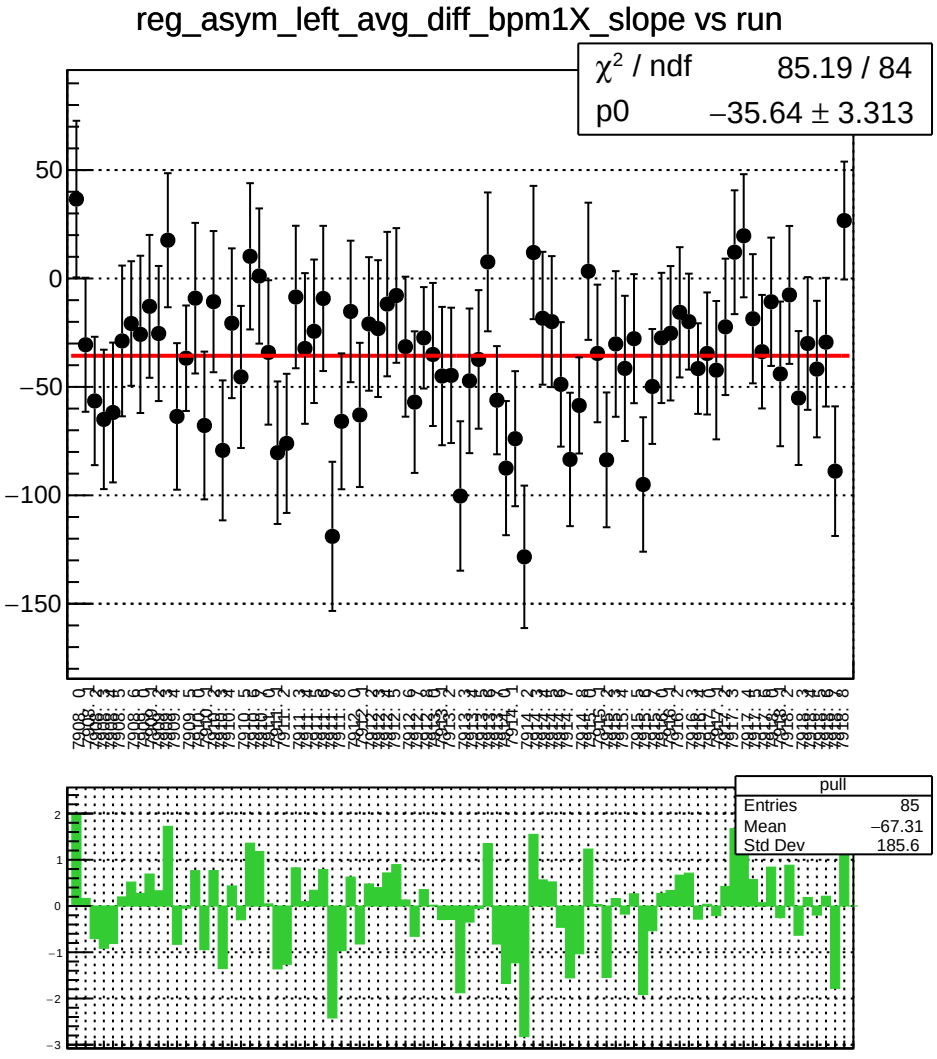

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 91.02 / 84
p0 −12.26 ± 106.1
400
200
0
−200
−400
−600
pull
Entries 85
Mean 42.45
Std Dev 28.54
2
1
0
−1
−2
−3

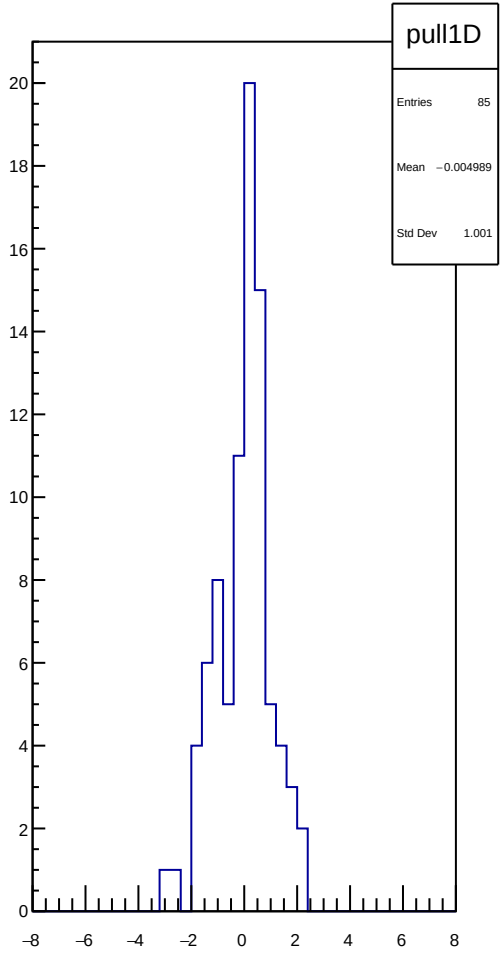

pull1D
Entries 85
Mean 0.09175
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

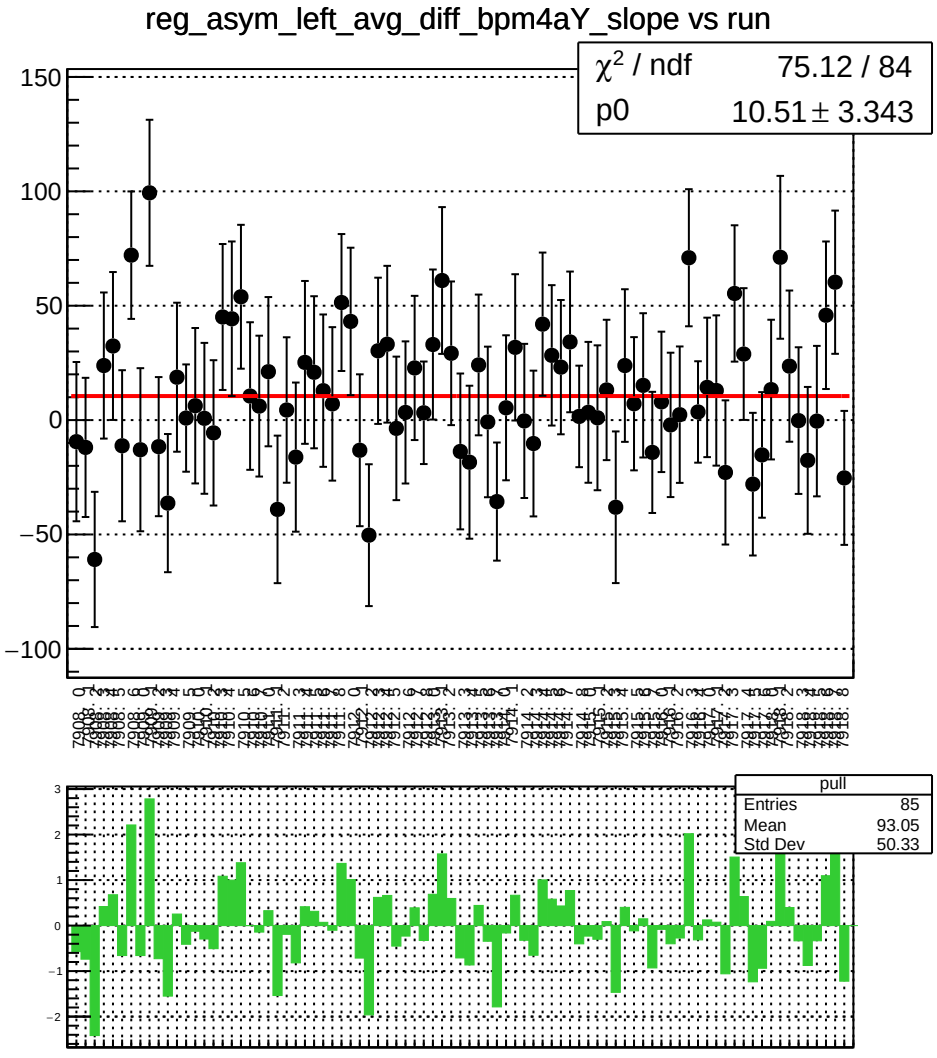

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 68.32 / 83
p0 199.3 ± 150.2
pull
Entries 84
Mean 44.7
Std Dev 26.59

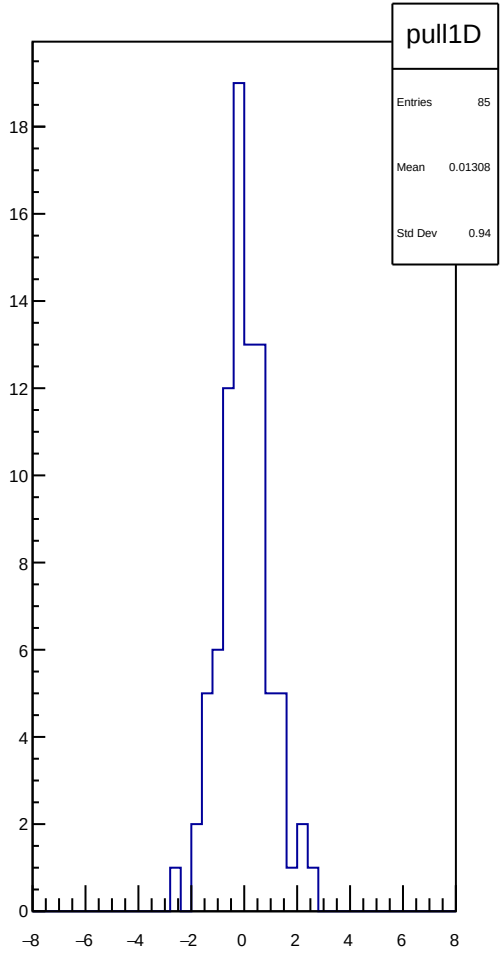

pull1D
Entries 84
Mean −0.106
Std Dev 0.8956

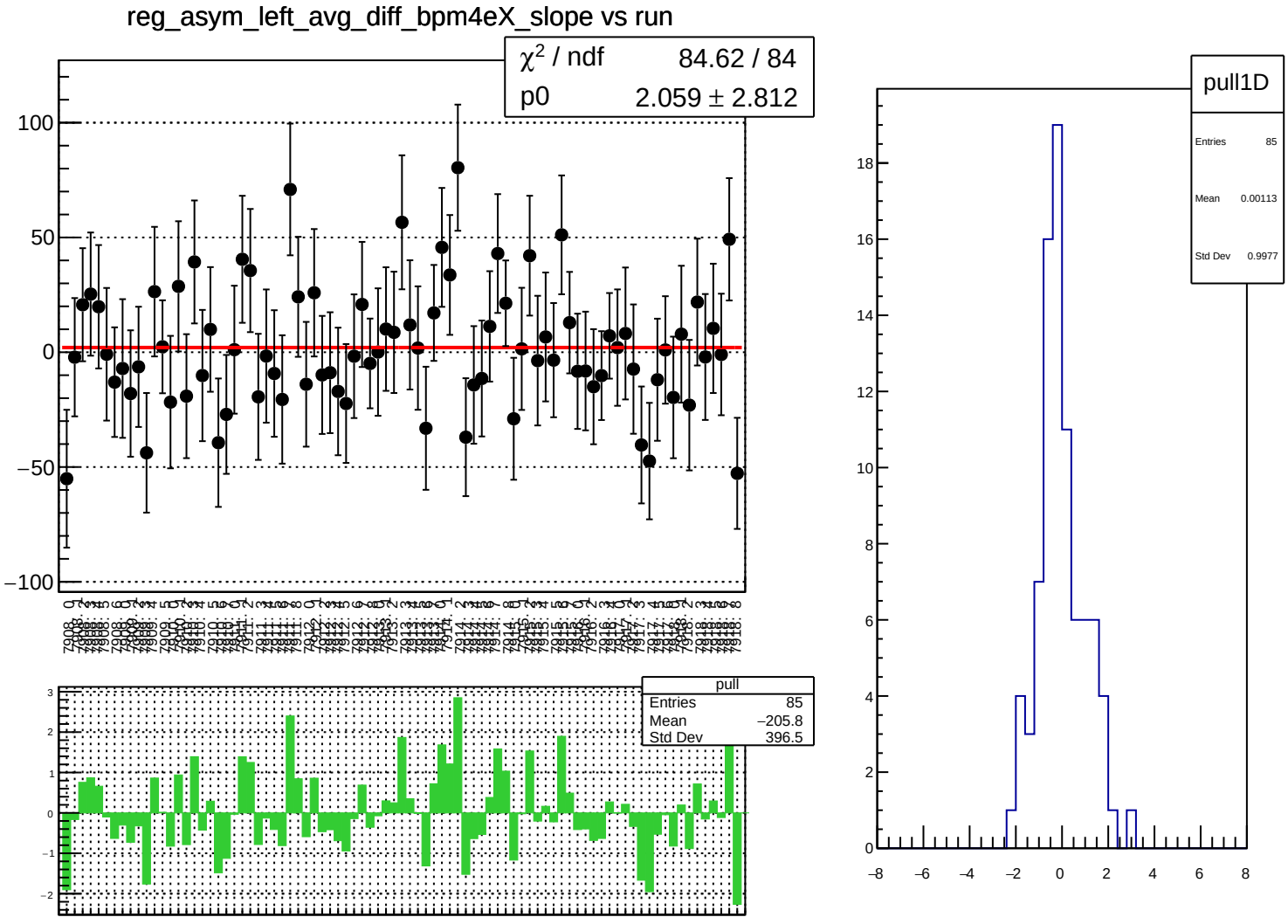

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 93.14 / 84
p0 −3.127 ± 4.578
pull
Entries 85
Mean 61.42
Std Dev 22.37
pull1D
Entries 85
Mean −0.1032
Std Dev 1.042

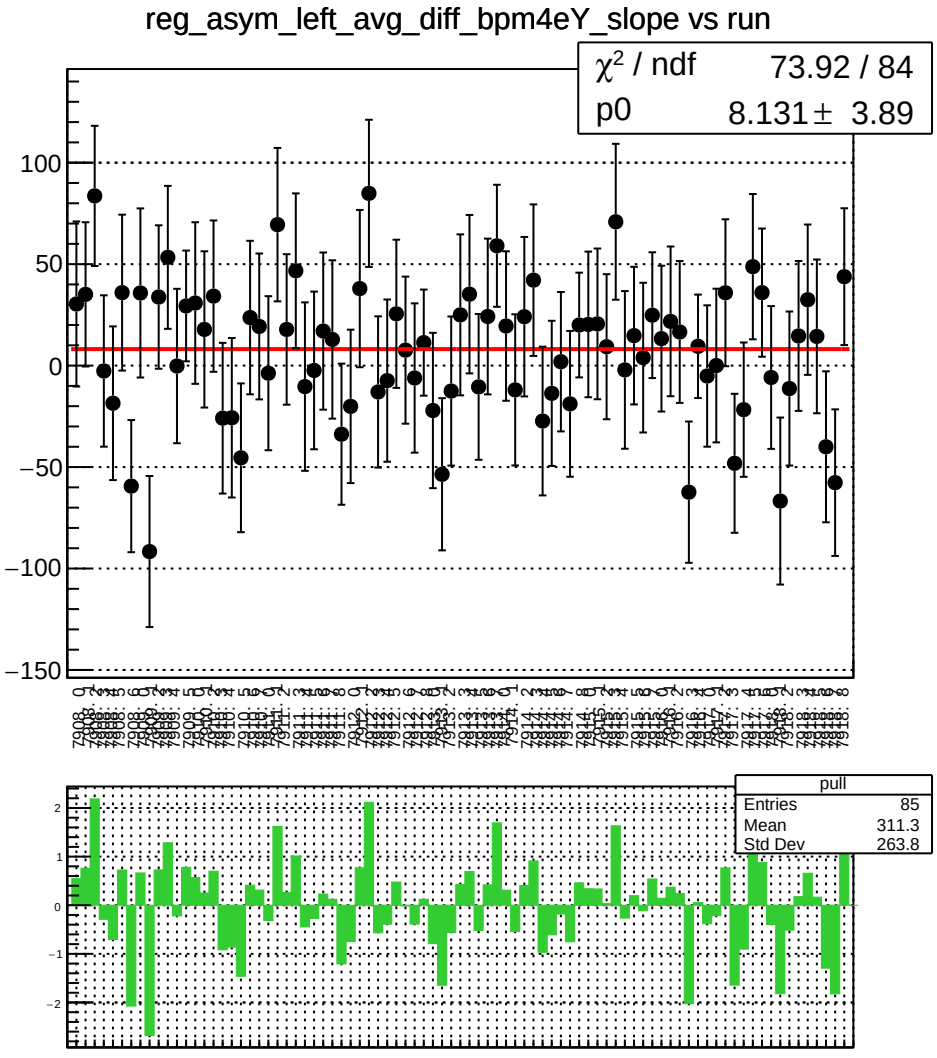

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 85.19 / 84
p0 −35.64 ± 3.313
pull
Entries 85
Mean −67.31
Std Dev 185.6

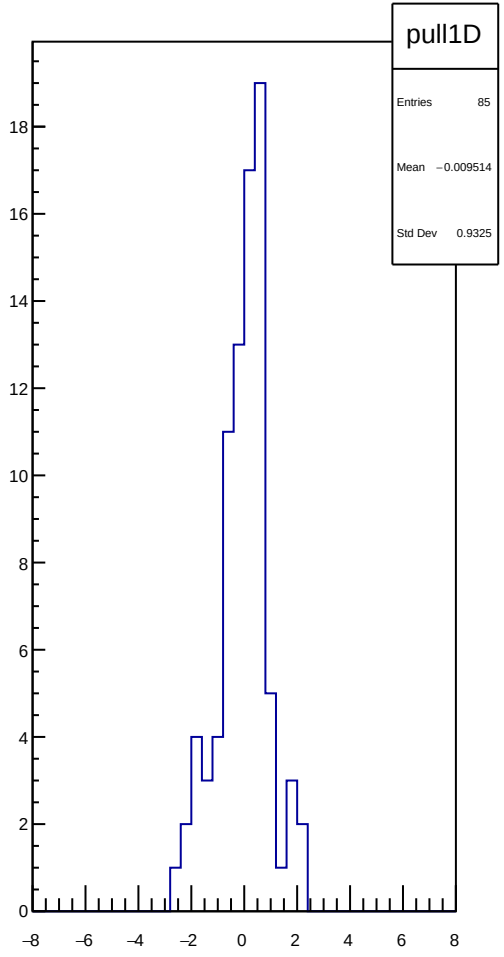

pull1D
Entries 85
Mean −0.004989
Std Dev 1.001

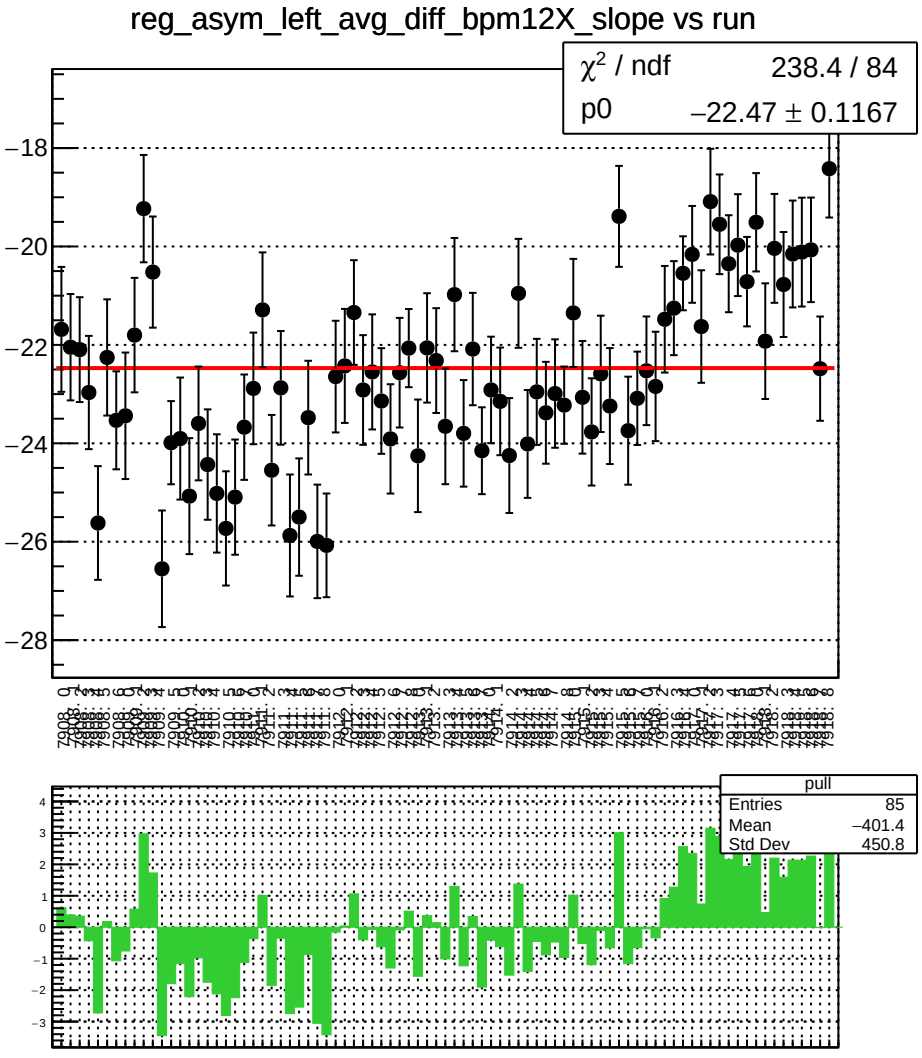

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 75.12 / 84
p0 10.51 ± 3.343
pull
Entries 85
Mean 93.05
Std Dev 50.33

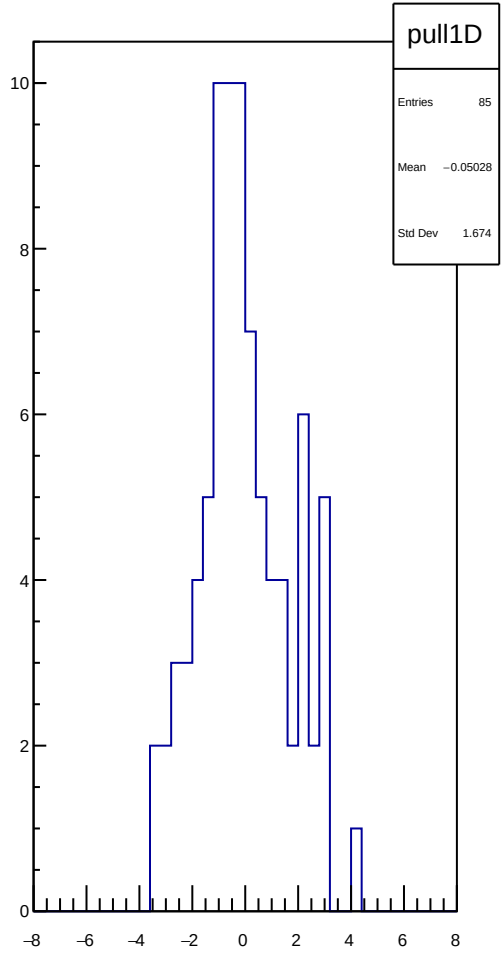

pull1D
Entries 85
Mean 0.01308
Std Dev 0.94

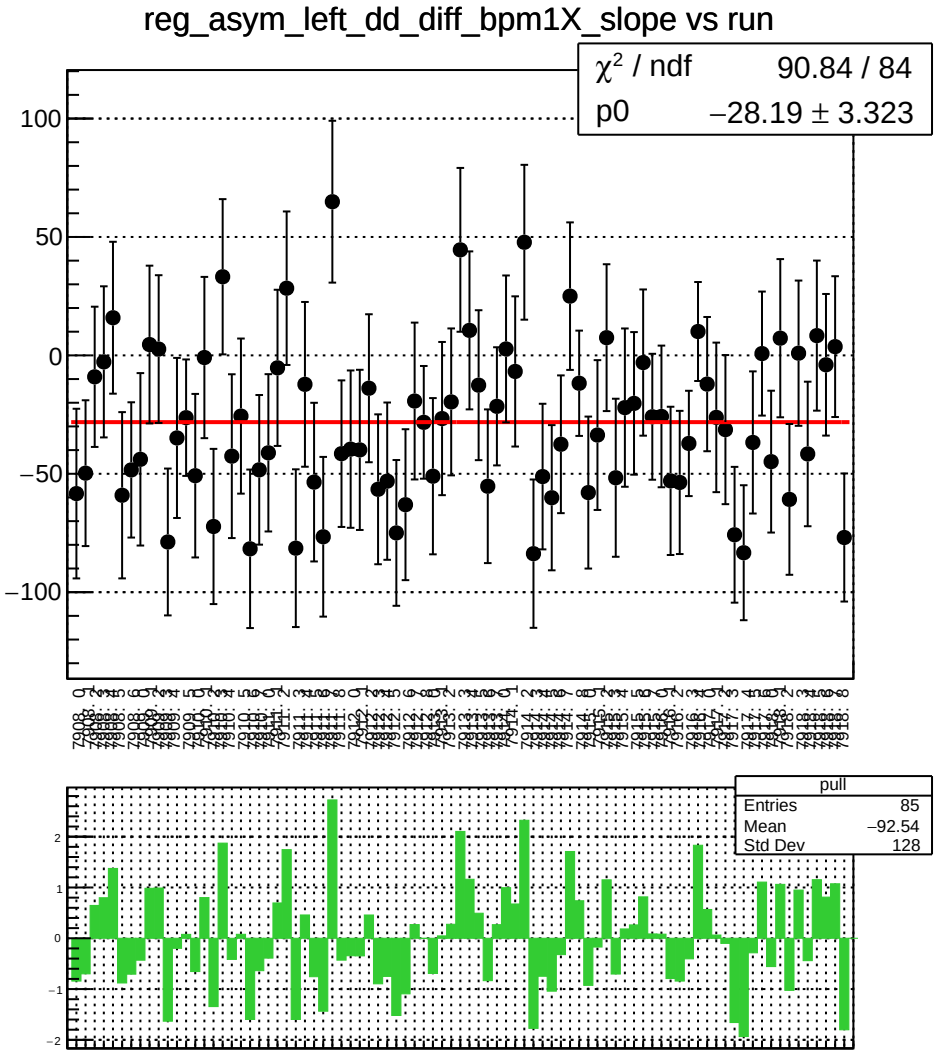

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 84.62 / 84
p0 2.059 ± 2.812
pull
Entries 85
Mean −205.8
Std Dev 396.5
pull1D
Entries 85
Mean 0.00113
Std Dev 0.9977

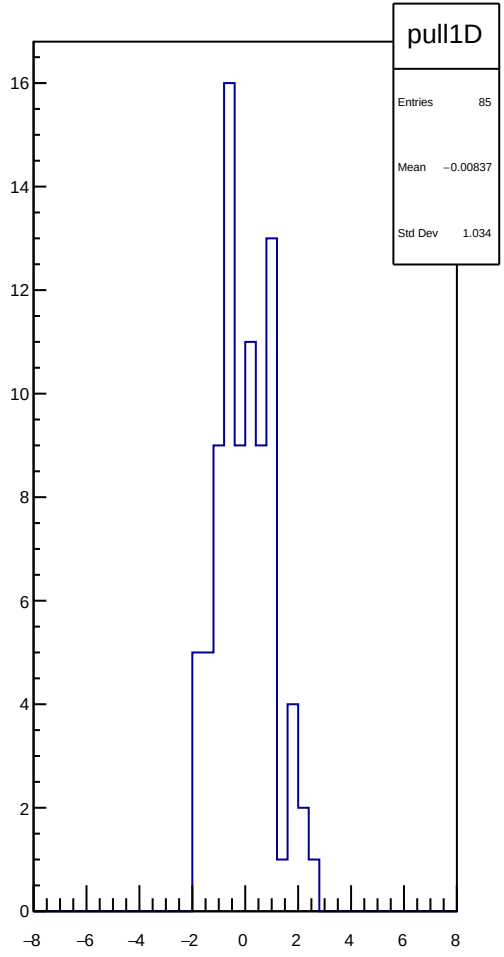

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 73.92 / 84
p0 8.131 ± 3.89
pull
Entries 85
Mean 311.3
Std Dev 263.8

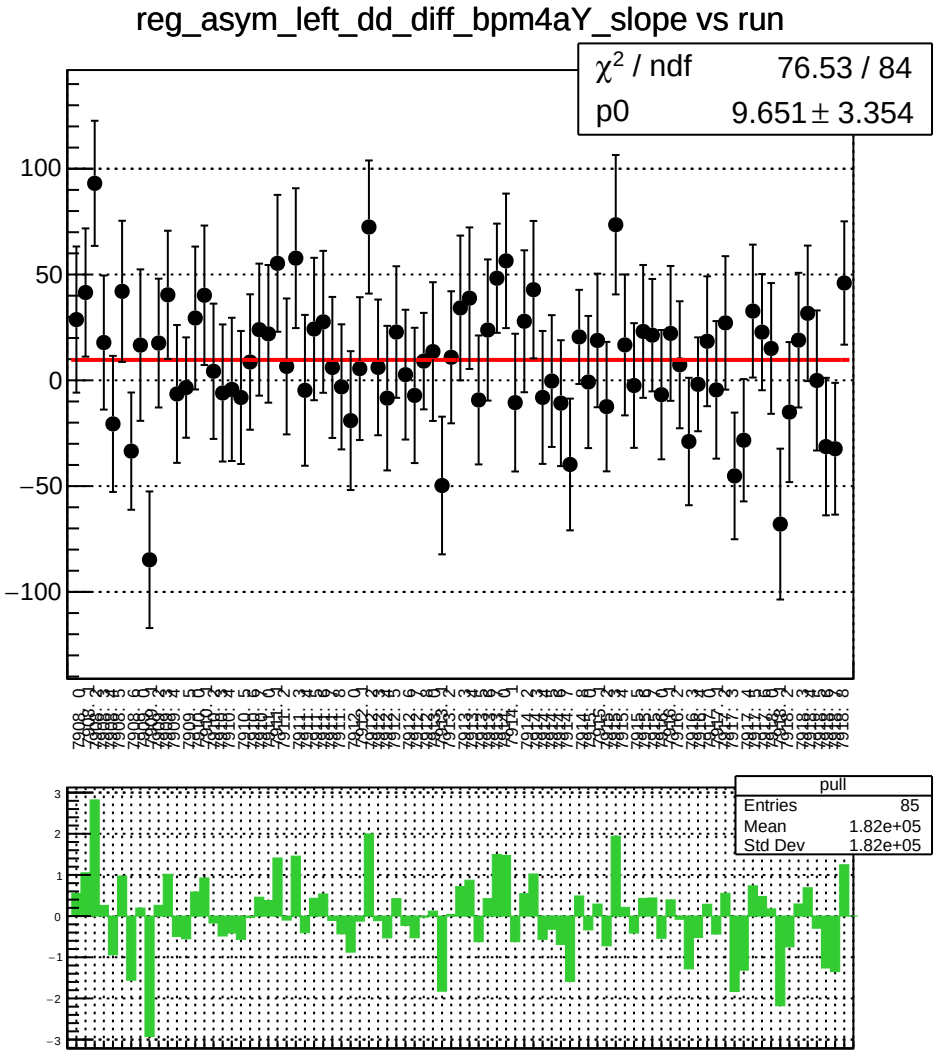

pull1D
Entries 85
Mean −0.009514
Std Dev 0.9325

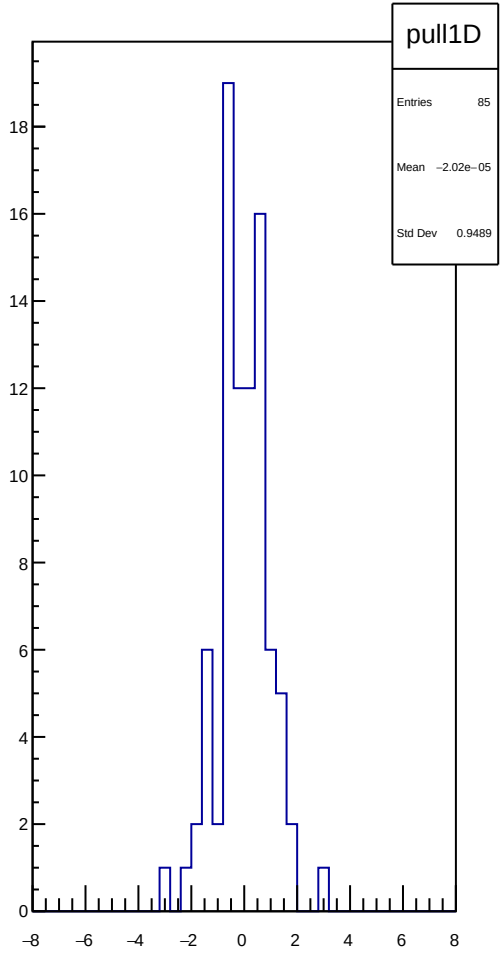

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 238.4 / 84
p0 −22.47 ± 0.1167
pull
Entries 85
Mean −401.4
Std Dev 450.8

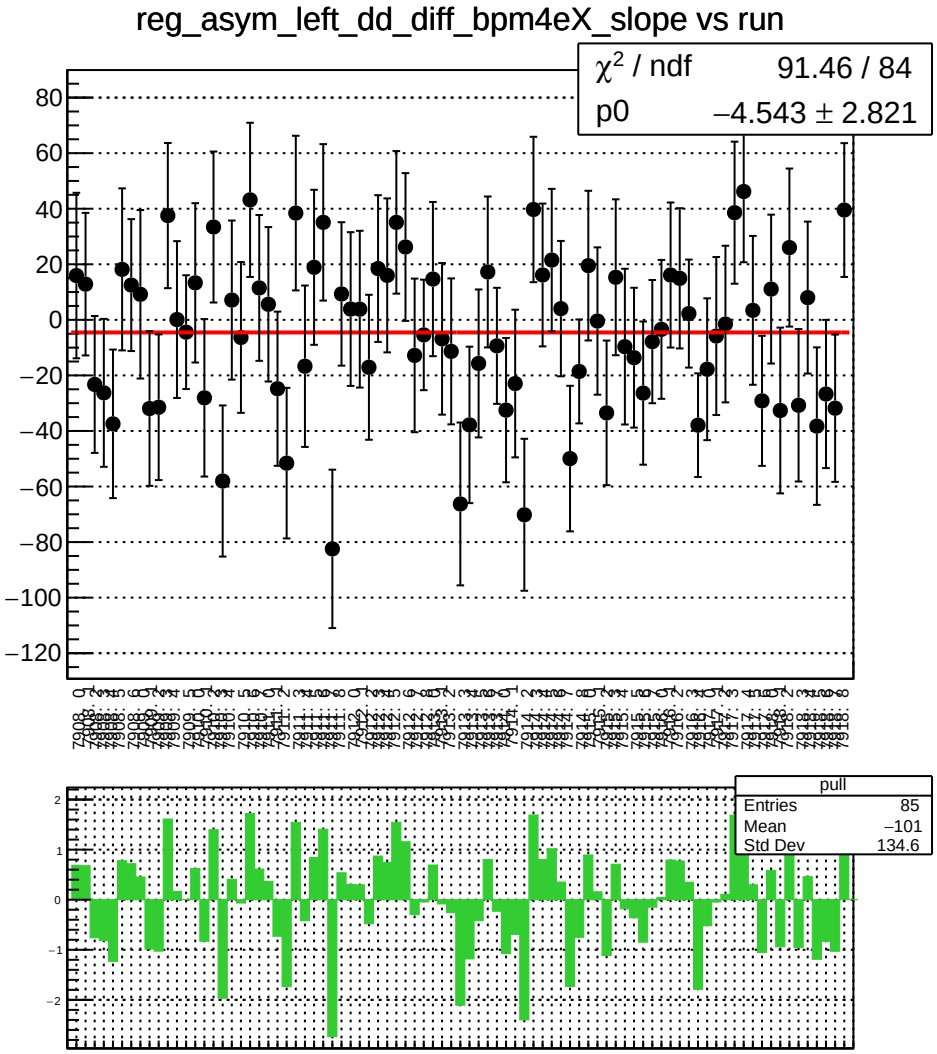

pull1D
Entries 85
Mean −0.05028
Std Dev 1.674

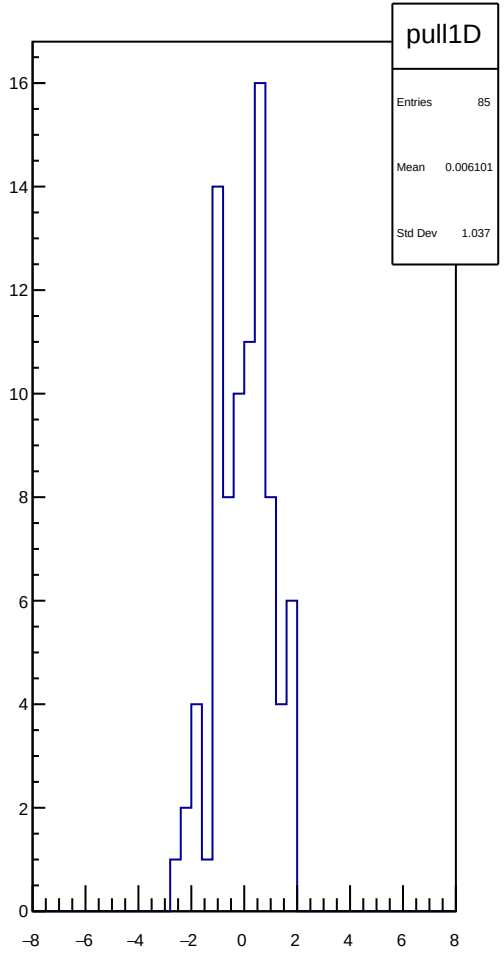

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 90.84 / 84
p0 −28.19 ± 3.323
pull
Entries 85
Mean −92.54
Std Dev 128

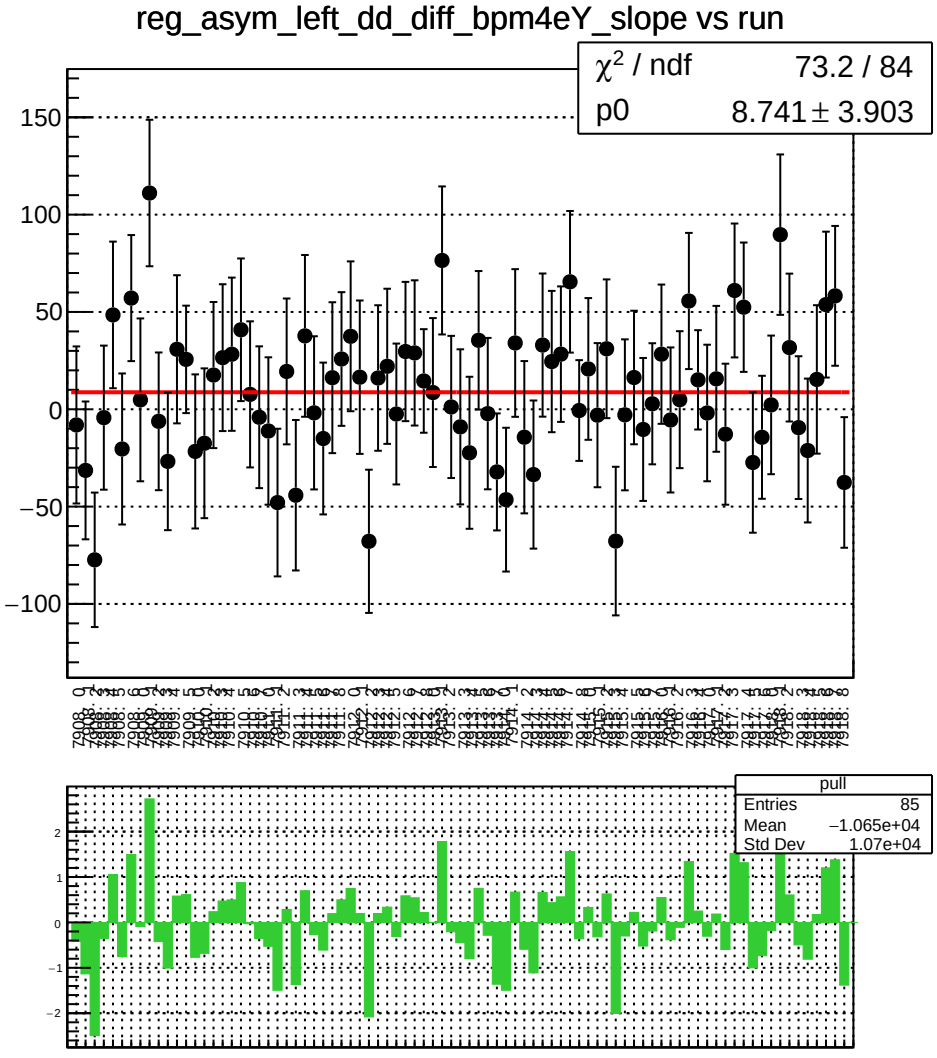

pull1D
Entries 85
Mean −0.00837
Std Dev 1.034

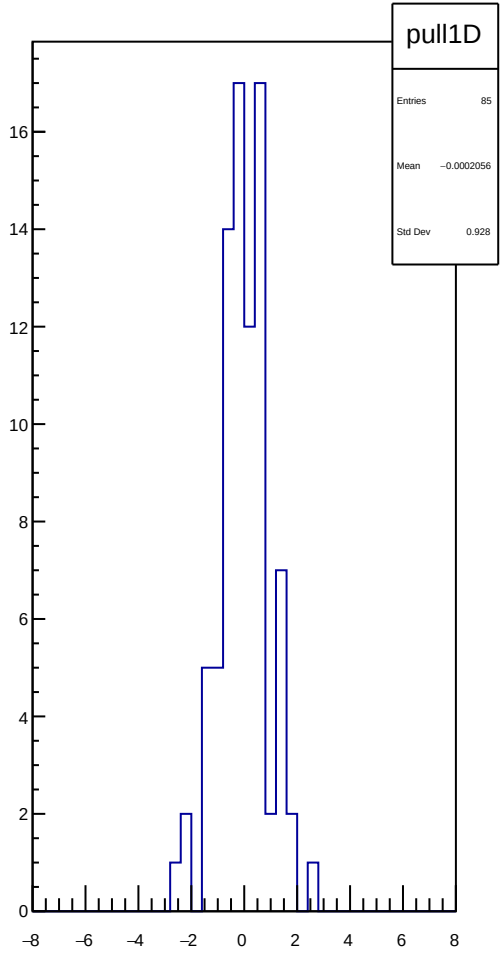

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 76.53 / 84
p0 9.651 ± 3.354
pull
Entries 85
Mean 1.82e+05
Std Dev 1.82e+05

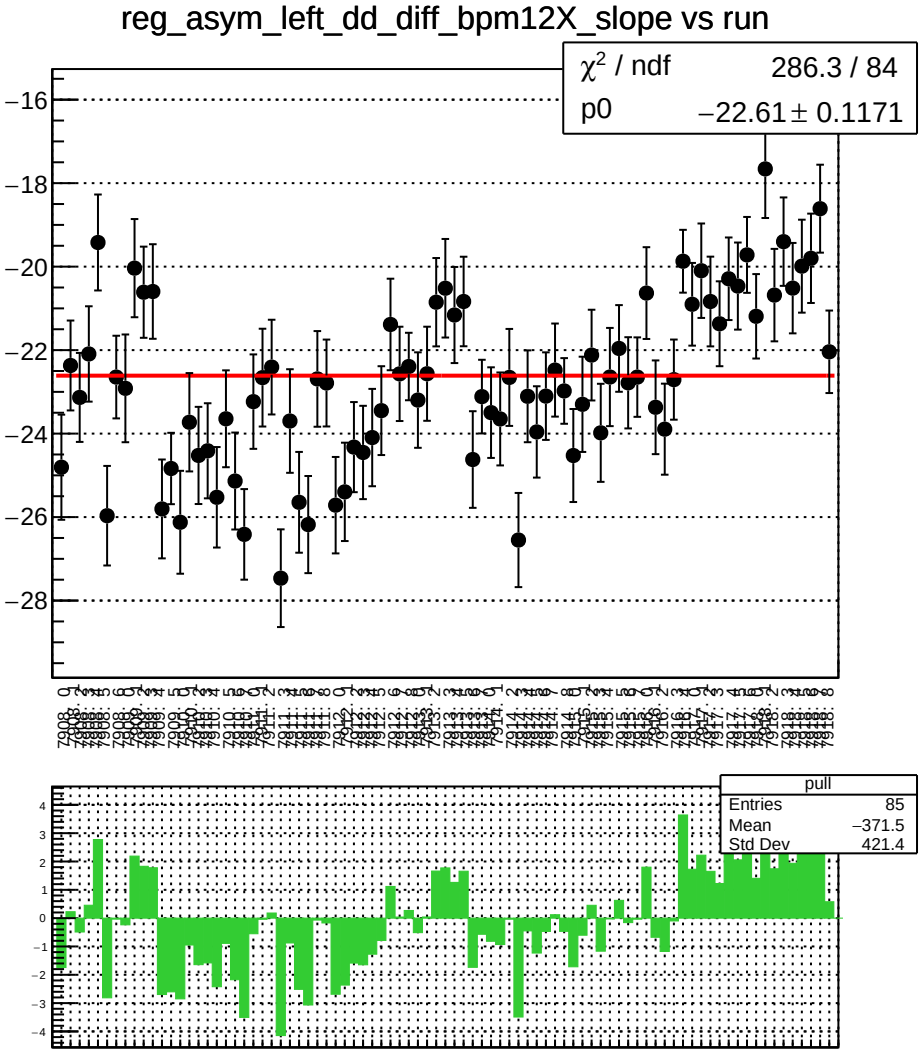

pull1D
Entries 85
Mean −2.02e−05
Std Dev 0.9489

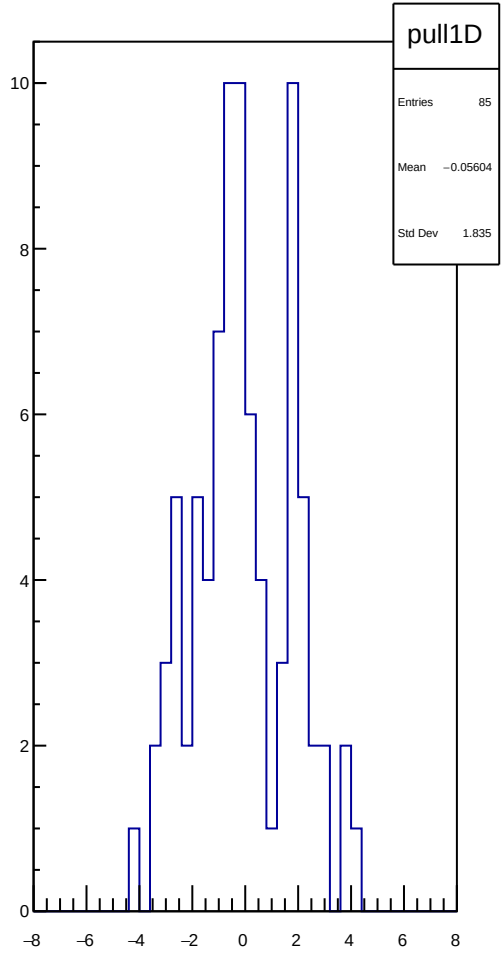

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 91.46 / 84
p0 −4.543 ± 2.821
pull
Entries 85
Mean −101
Std Dev 134.6

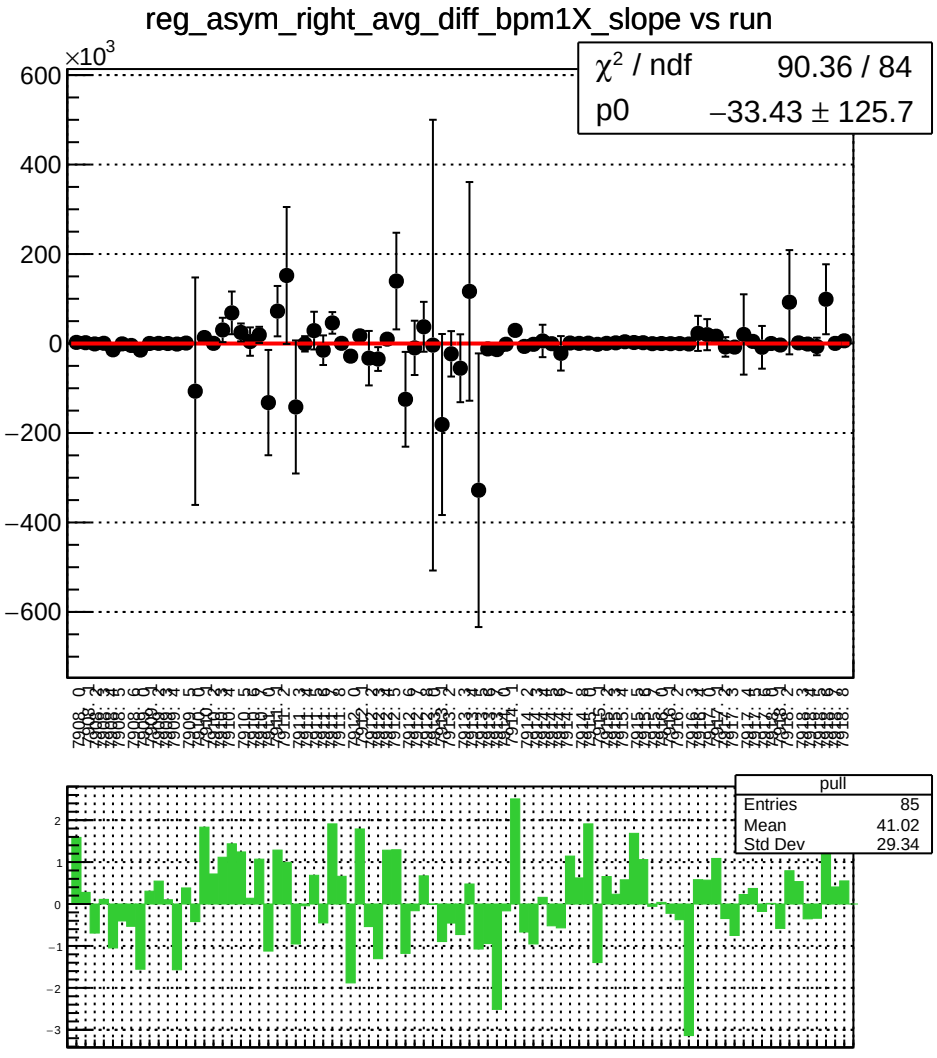

pull1D
Entries 85
Mean 0.006101
Std Dev 1.037

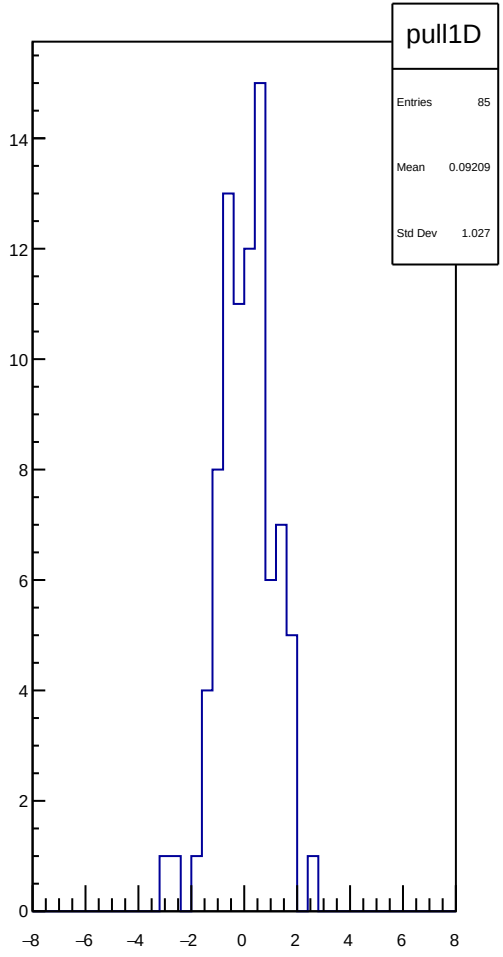

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 73.2 / 84
p0 8.741 ± 3.903
150
100
50
0
−50
−100
pull
Entries 85
Mean −1.065e+04
Std Dev 1.07e+04
2
1
0
−1
−2

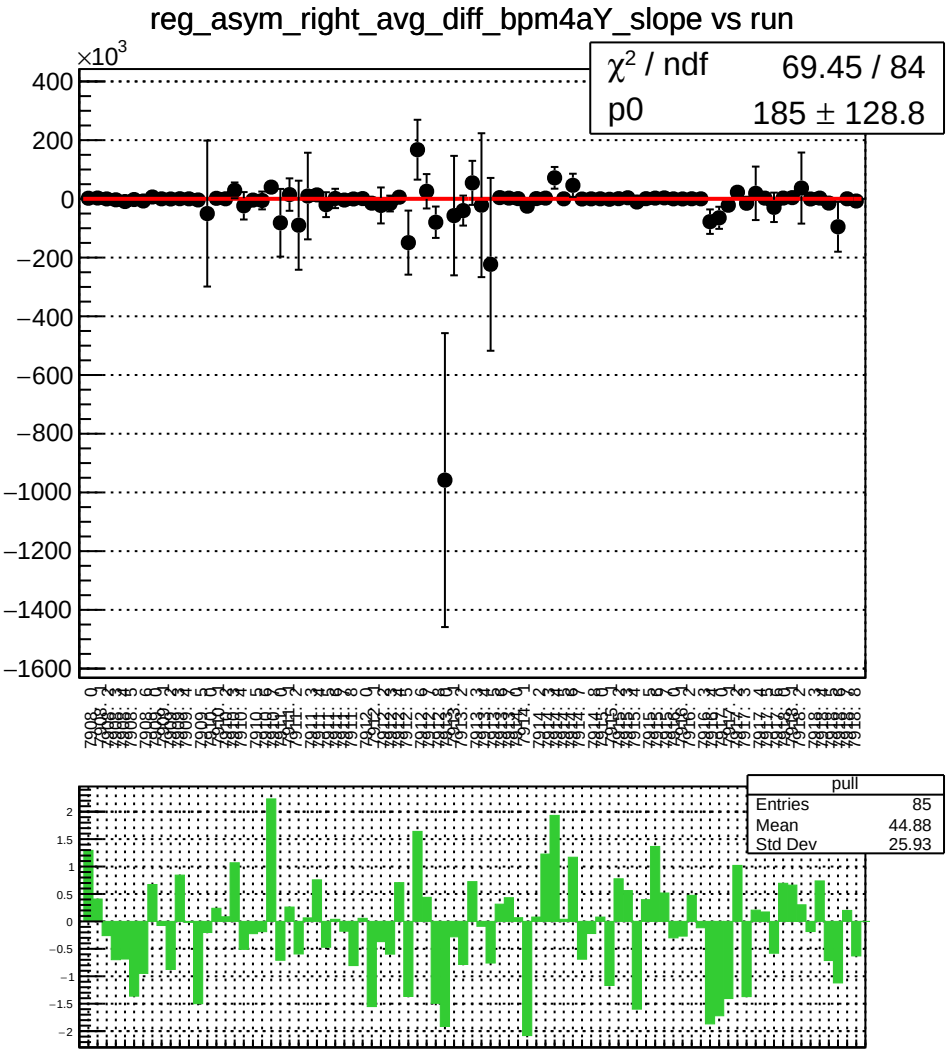

pull1D
Entries 85
Mean −0.0002056
Std Dev 0.928
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

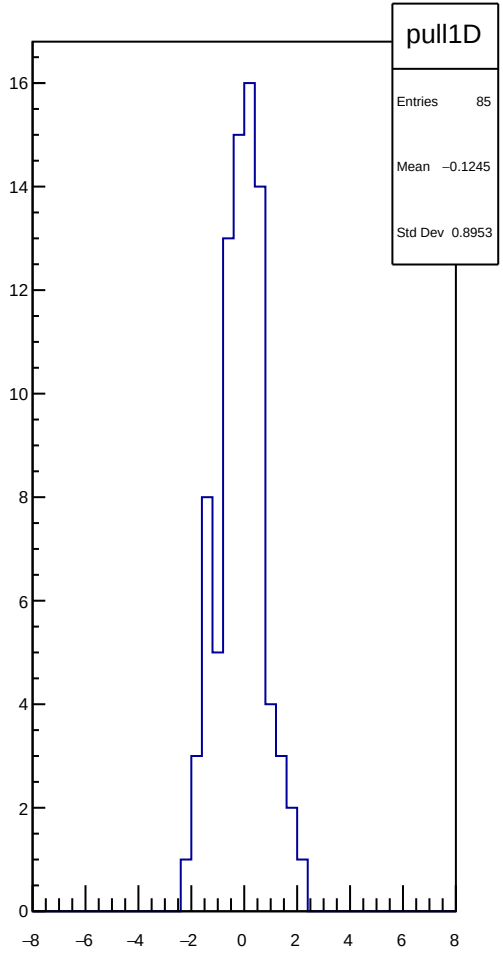

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 286.3 / 84
p0 −22.61 ± 0.1171
pull
Entries 85
Mean −371.5
Std Dev 421.4

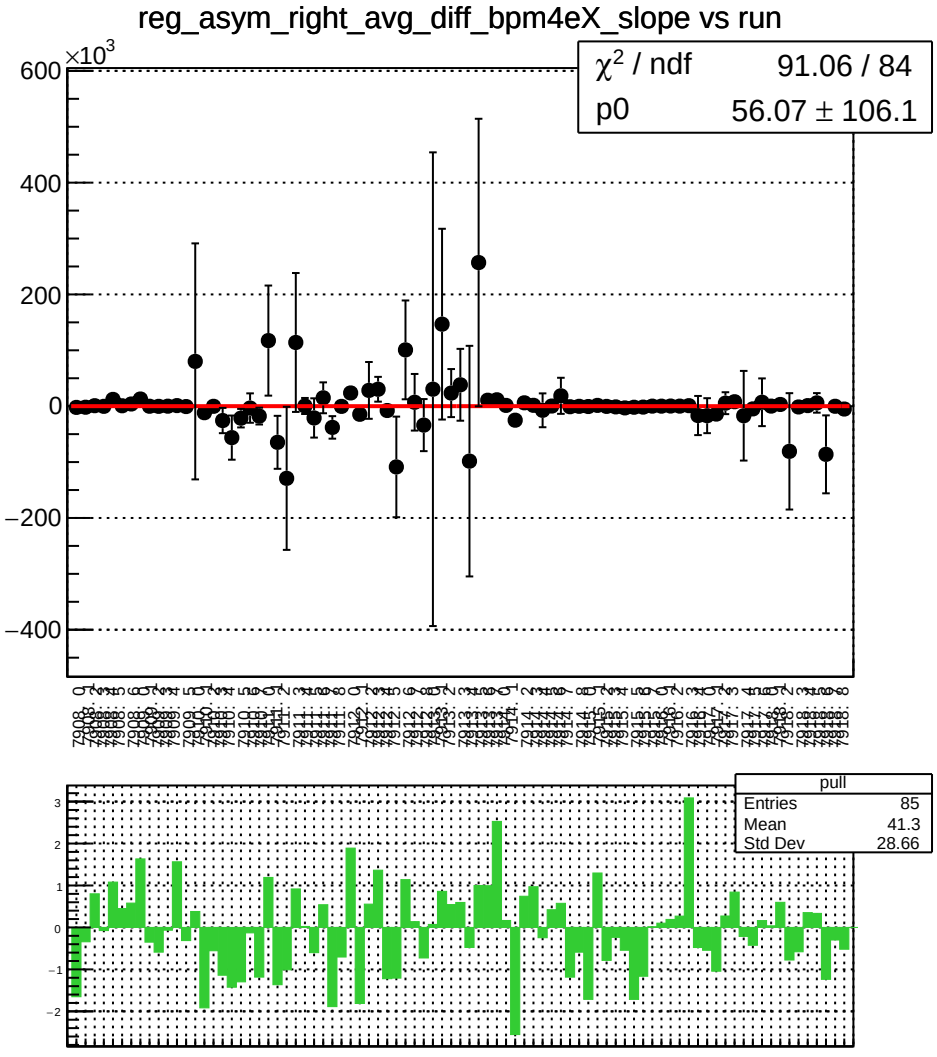

pull1D
Entries 85
Mean −0.05604
Std Dev 1.835

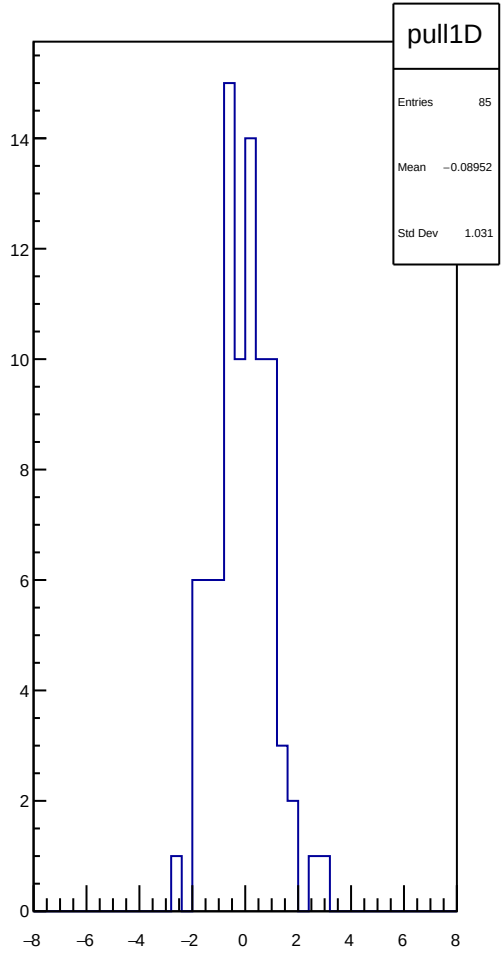

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 90.36 / 84
p0 −33.43 ± 125.7
pull
Entries 85
Mean 41.02
Std Dev 29.34
2
1
0
−1
−2
−3

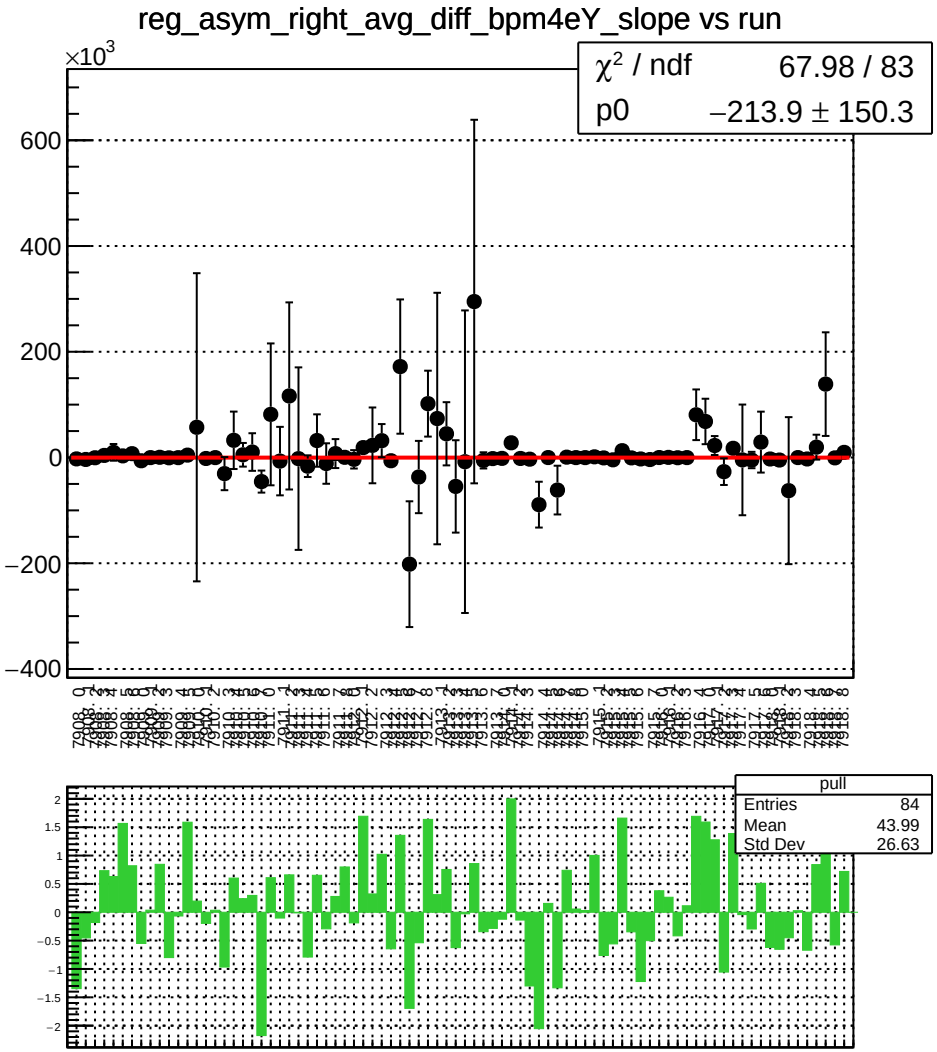

pull1D
Entries 85
Mean 0.09209
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

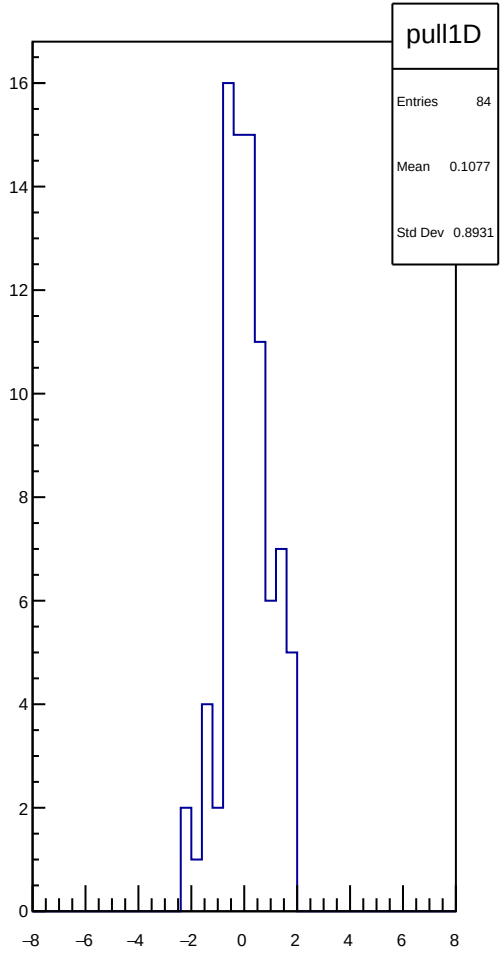

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 69.45 / 84
p0 185 ± 128.8
pull
Entries 85
Mean 44.88
Std Dev 25.93

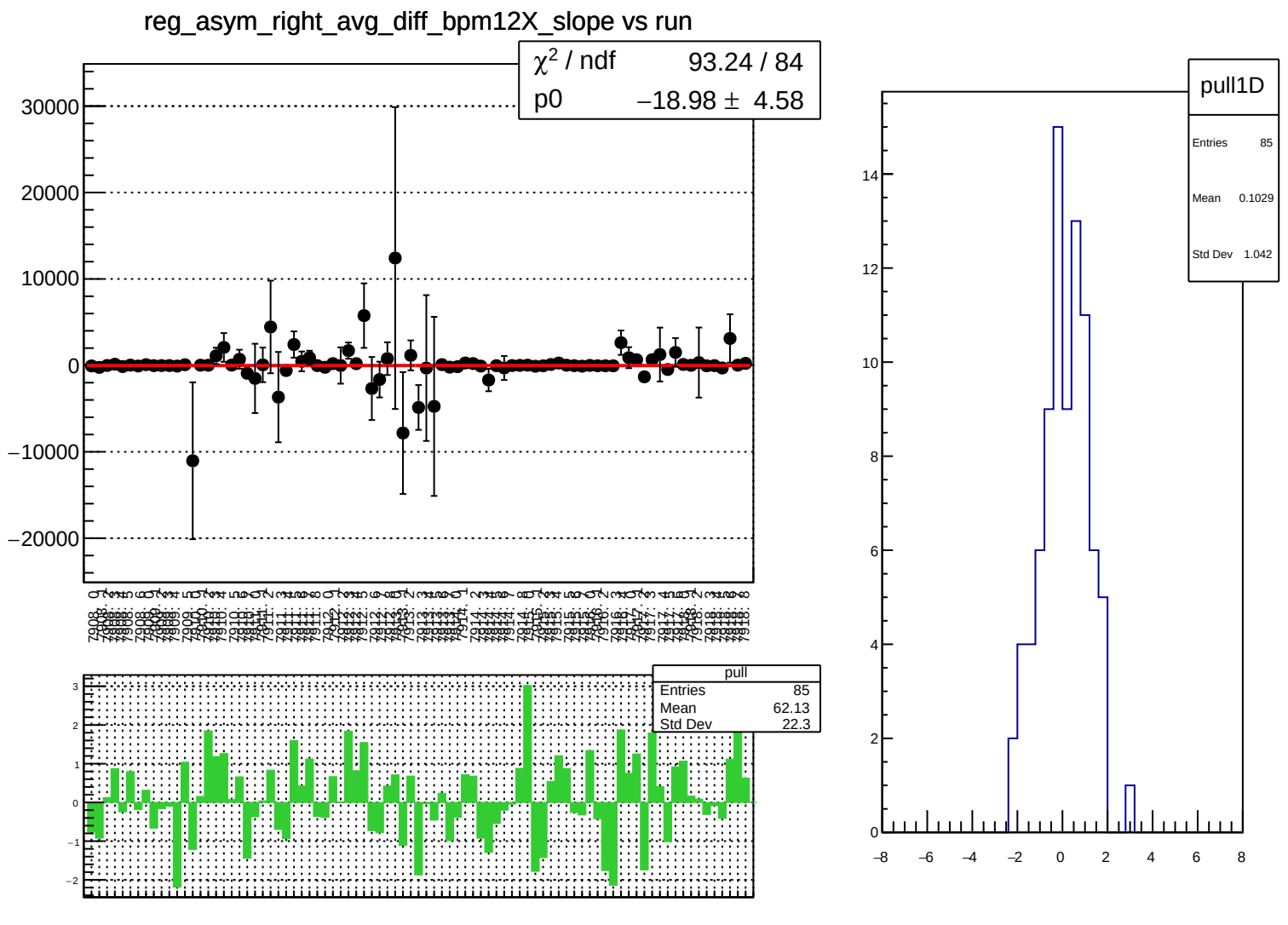

pull1D
Entries 85
Mean −0.1245
Std Dev 0.8953

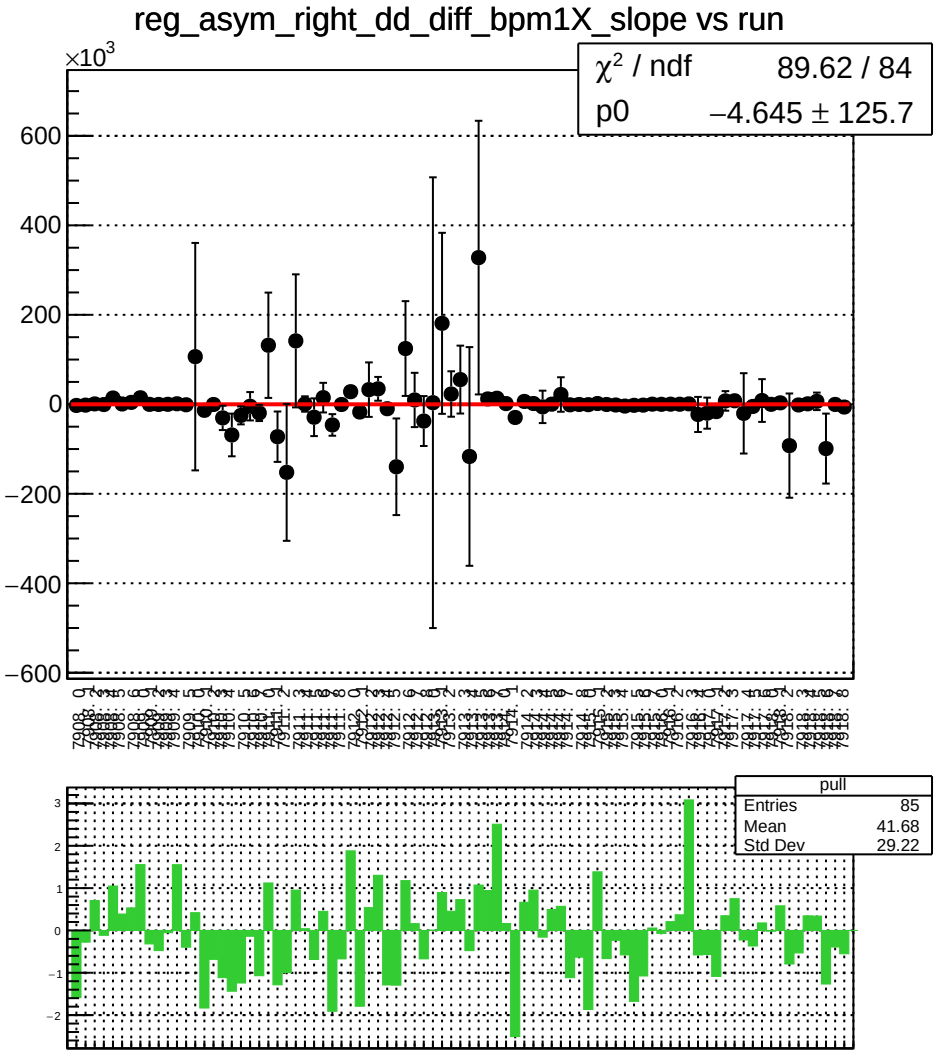

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 91.06 / 84
p0 56.07 ± 106.1
pull
Entries 85
Mean 41.3
Std Dev 28.66
3
2
1
0
−1
−2

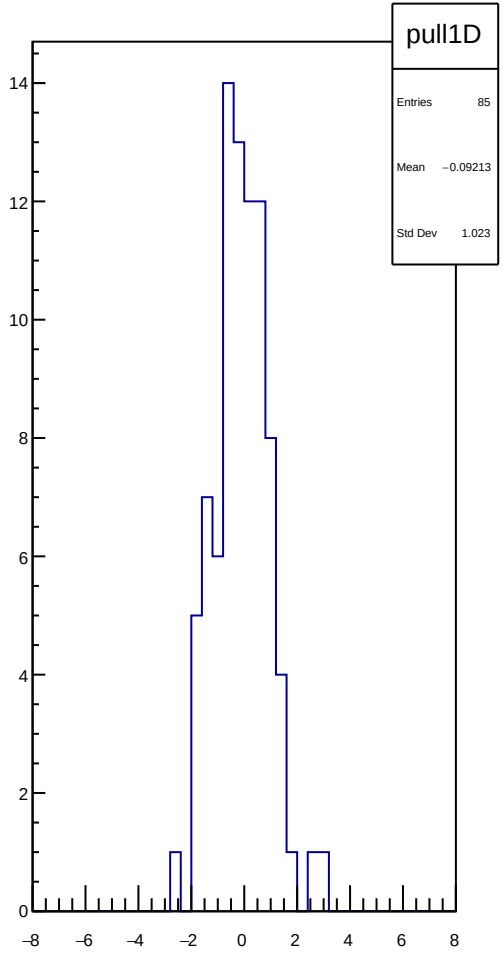

pull1D
Entries 85
Mean −0.08952
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

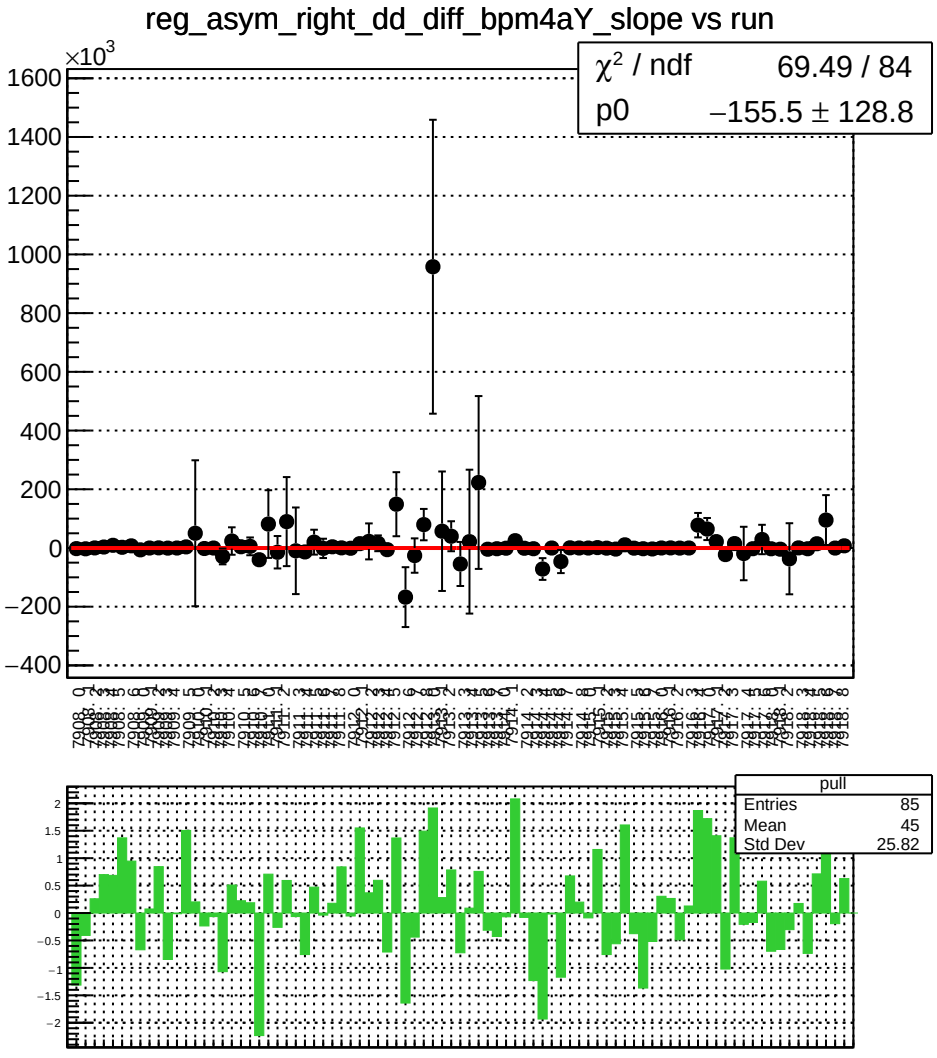

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 67.98 / 83
p0 −213.9 ± 150.3
pull
Entries 84
Mean 43.99
Std Dev 26.63

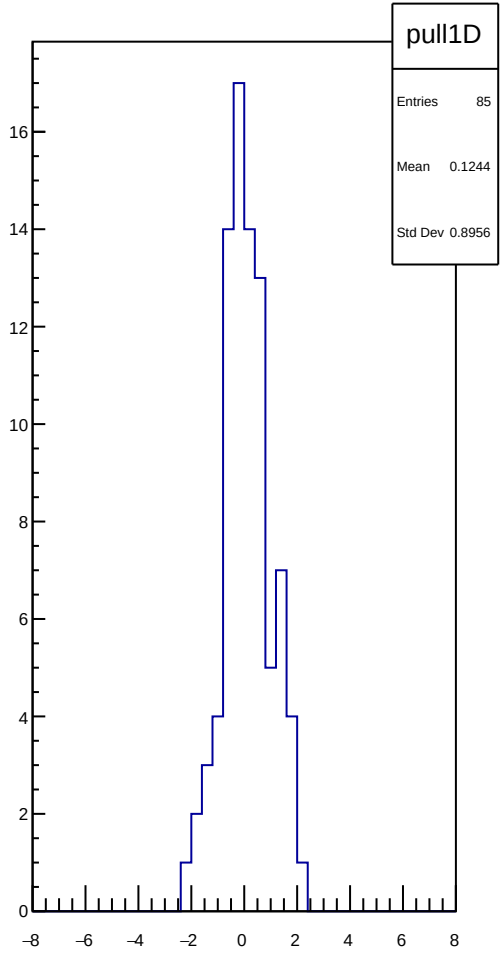

pull1D
Entries 84
Mean 0.1077
Std Dev 0.8931

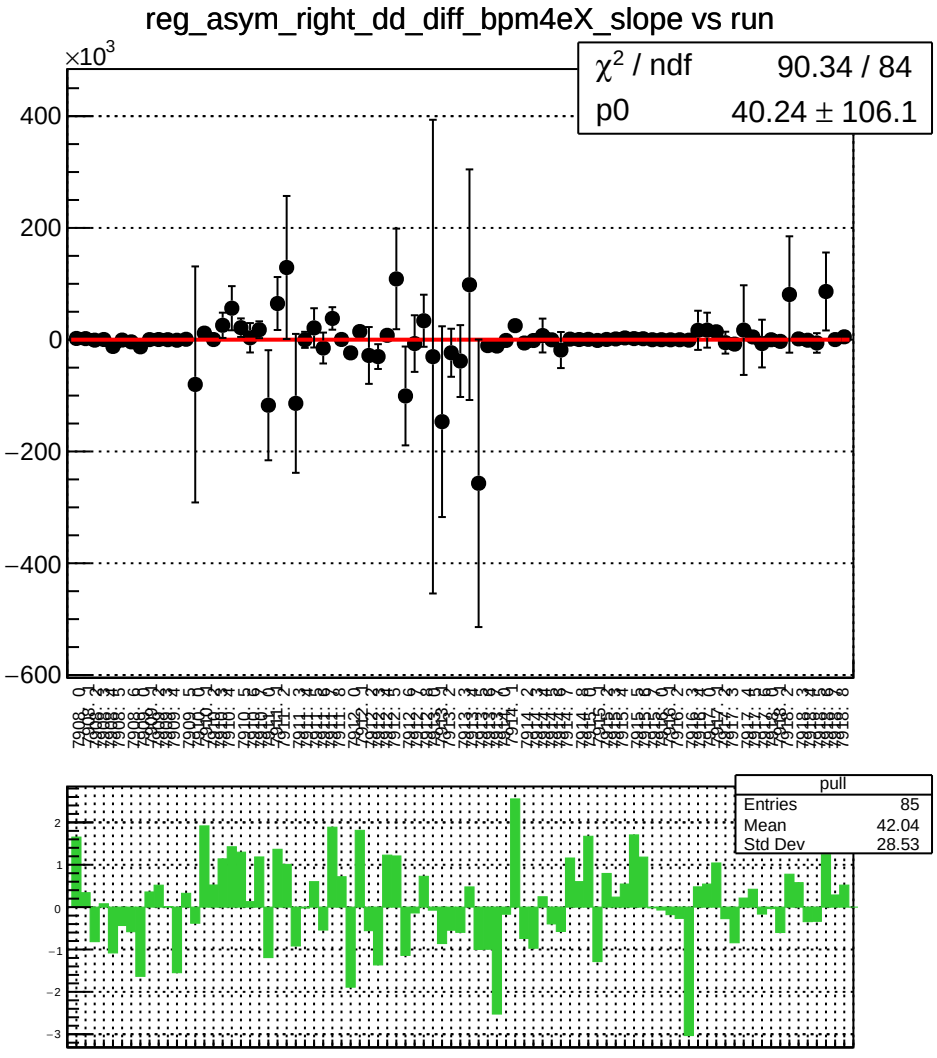

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 93.24 / 84
p0 −18.98 ± 4.58
pull
Entries 85
Mean 62.13
Std Dev 22.3
pull1D
Entries 85
Mean 0.1029
Std Dev 1.042

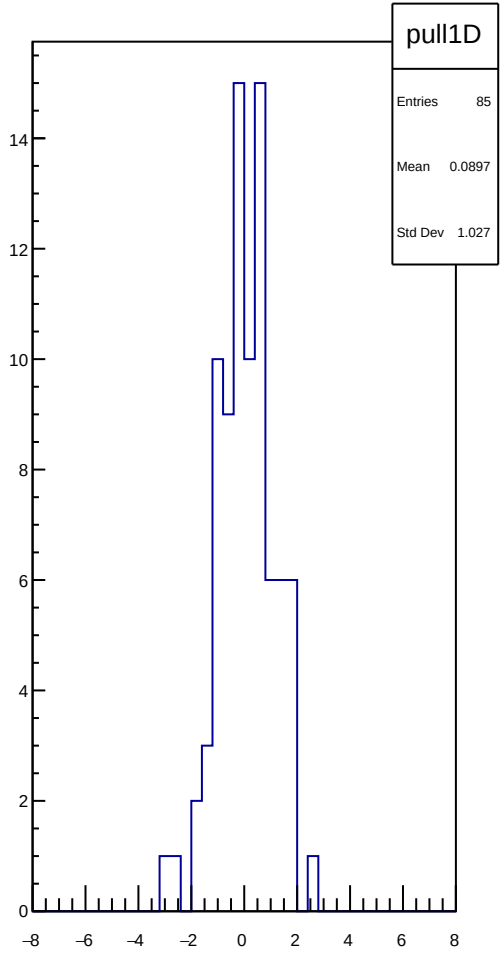

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 89.62 / 84
p0 −4.645 ± 125.7
pull
Entries 85
Mean 41.68
Std Dev 29.22

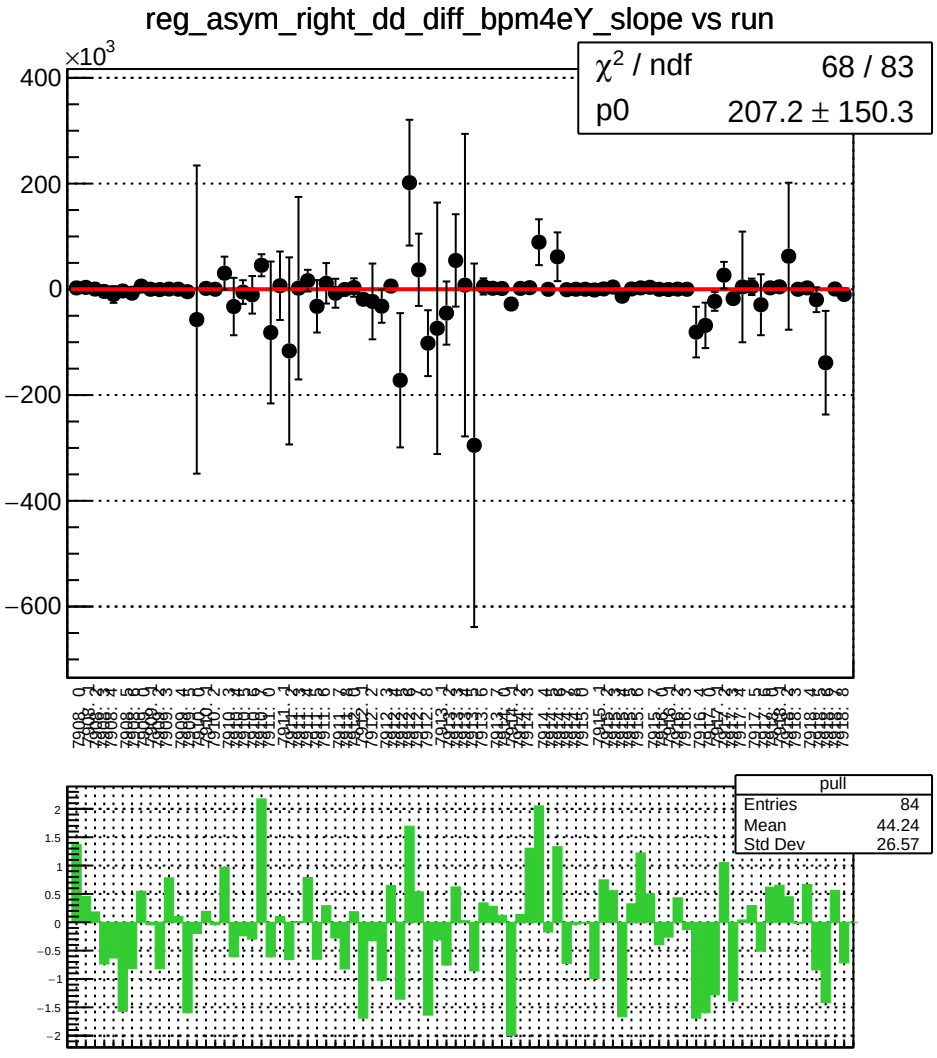

pull1D
Entries 85
Mean −0.09213
Std Dev 1.023

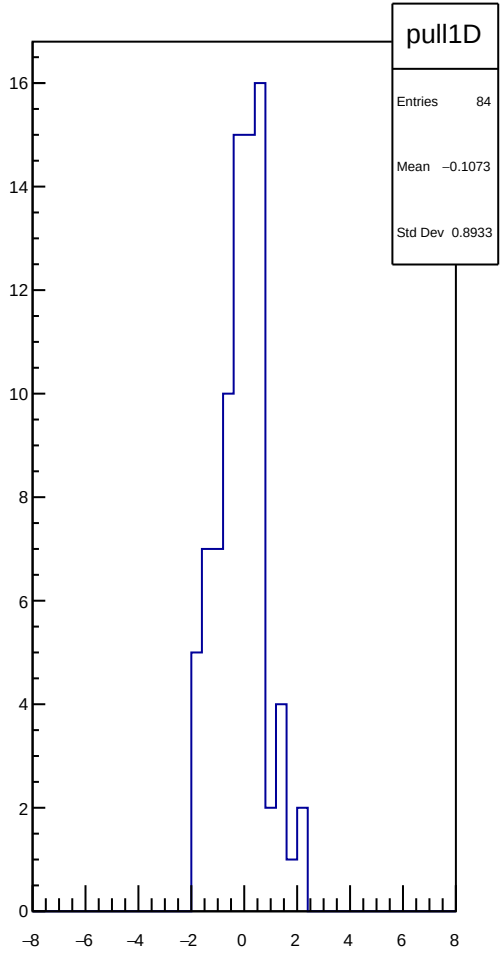

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 69.49 / 84
p0 −155.5 ± 128.8
pull
Entries 85
Mean 45
Std Dev 25.82

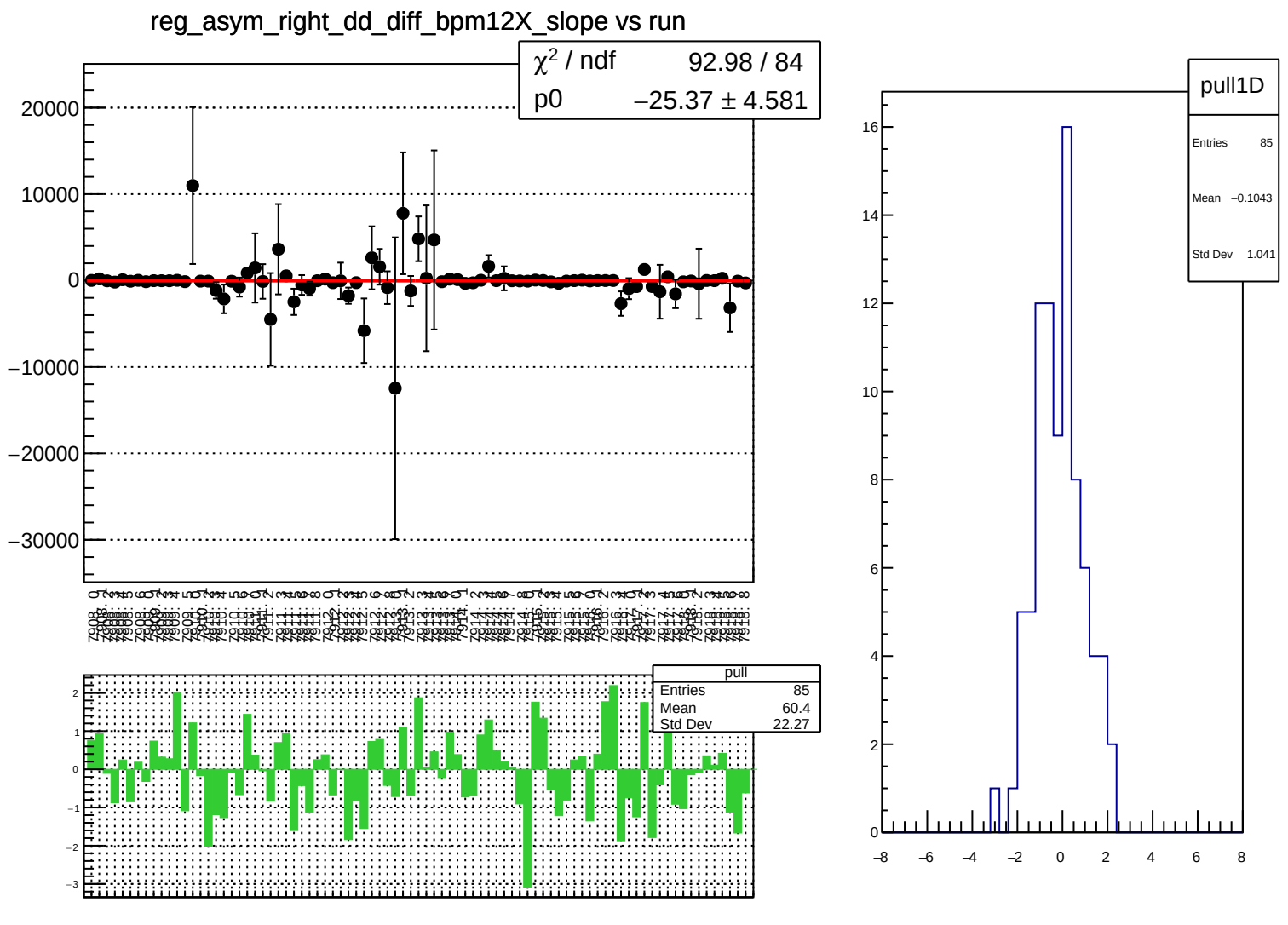

pull1D
Entries 85
Mean 0.1244
Std Dev 0.8956

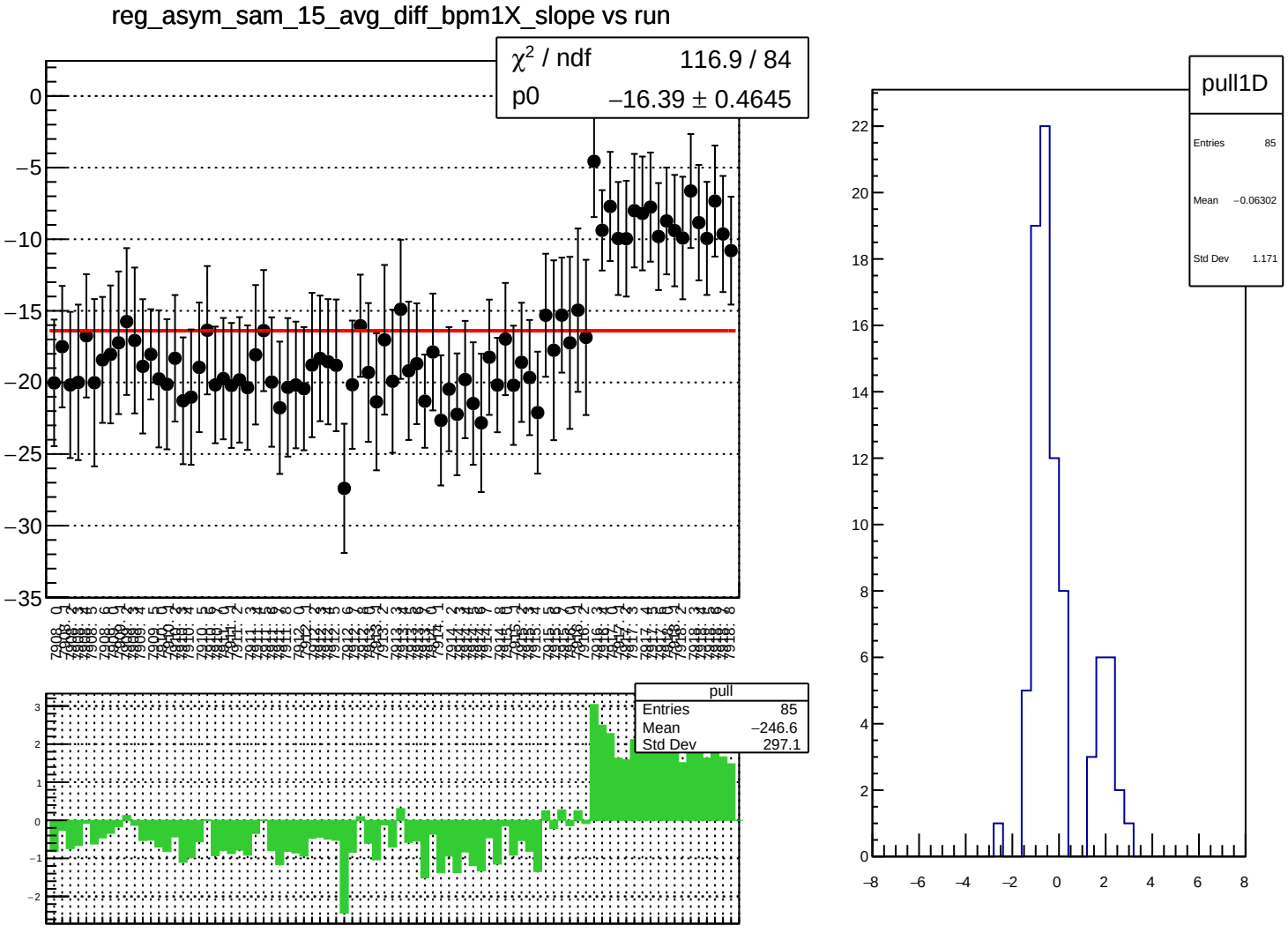

reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 90.34 / 84
p0 40.24 ± 106.1
pull
Entries 85
Mean 42.04
Std Dev 28.53

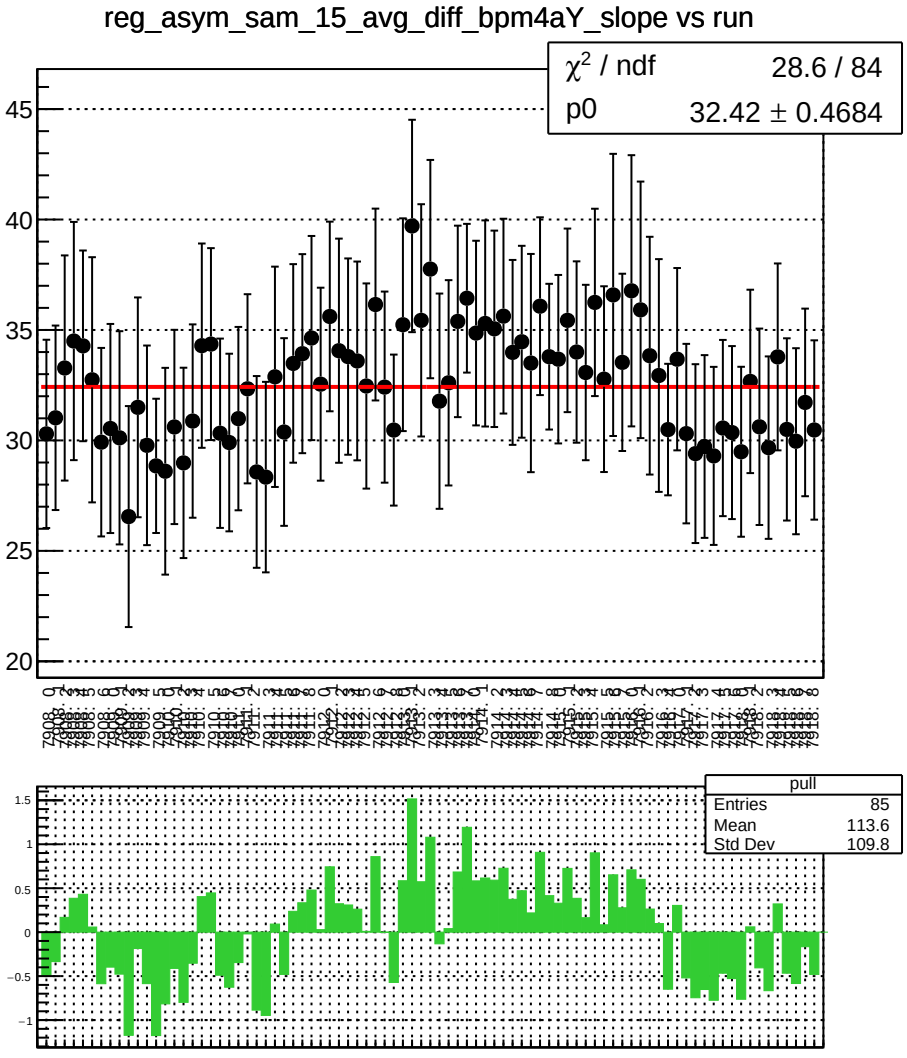

pull1D
Entries 85
Mean 0.0897
Std Dev 1.027

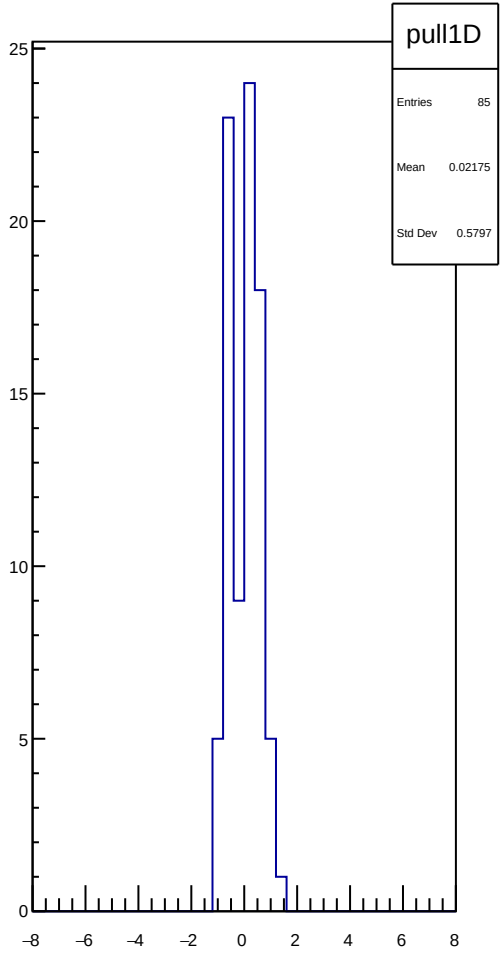

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 68 / 83
p0 207.2 ± 150.3
pull
Entries 84
Mean 44.24
Std Dev 26.57

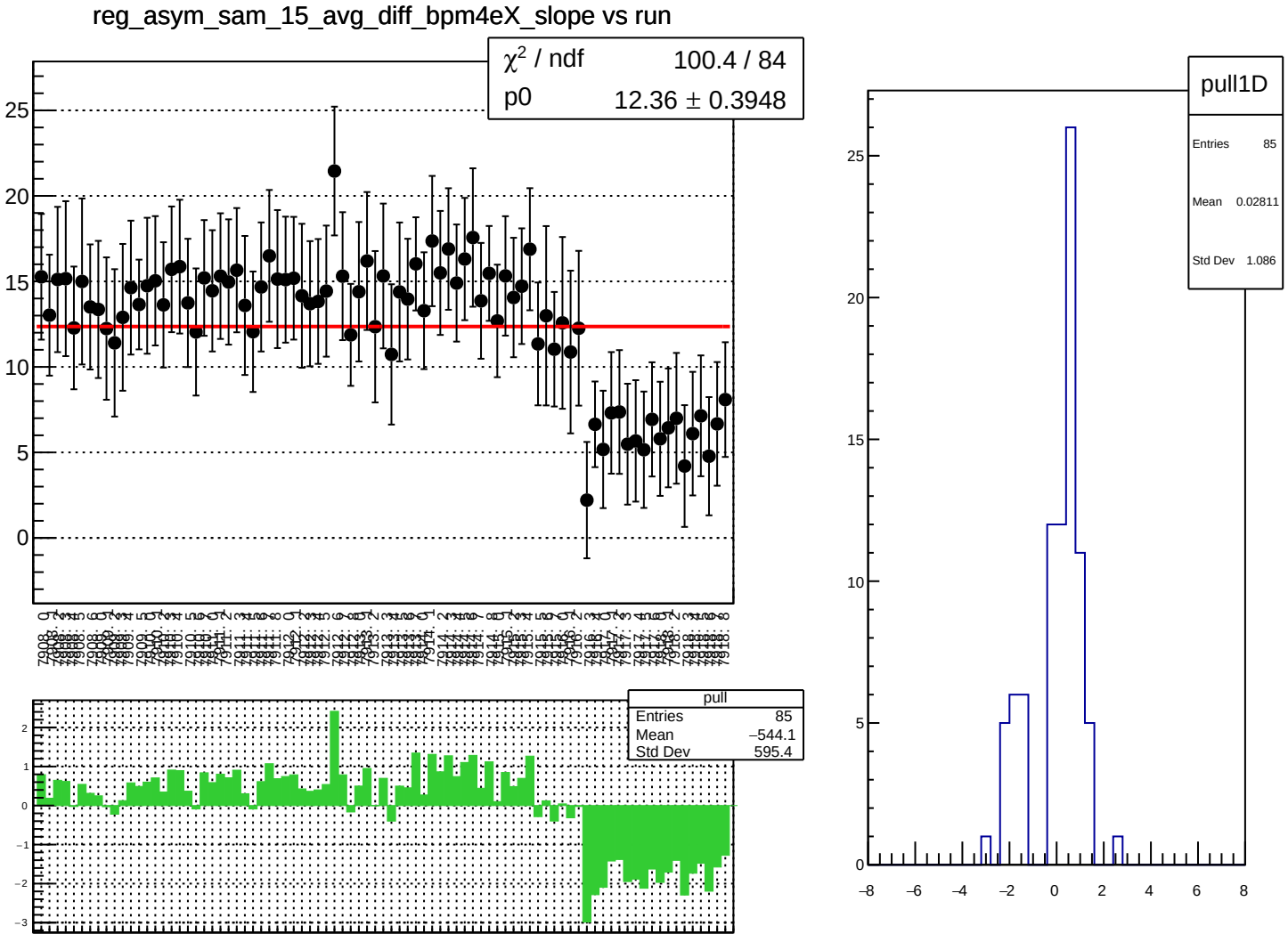

pull1D
Entries 84
Mean −0.1073
Std Dev 0.8933

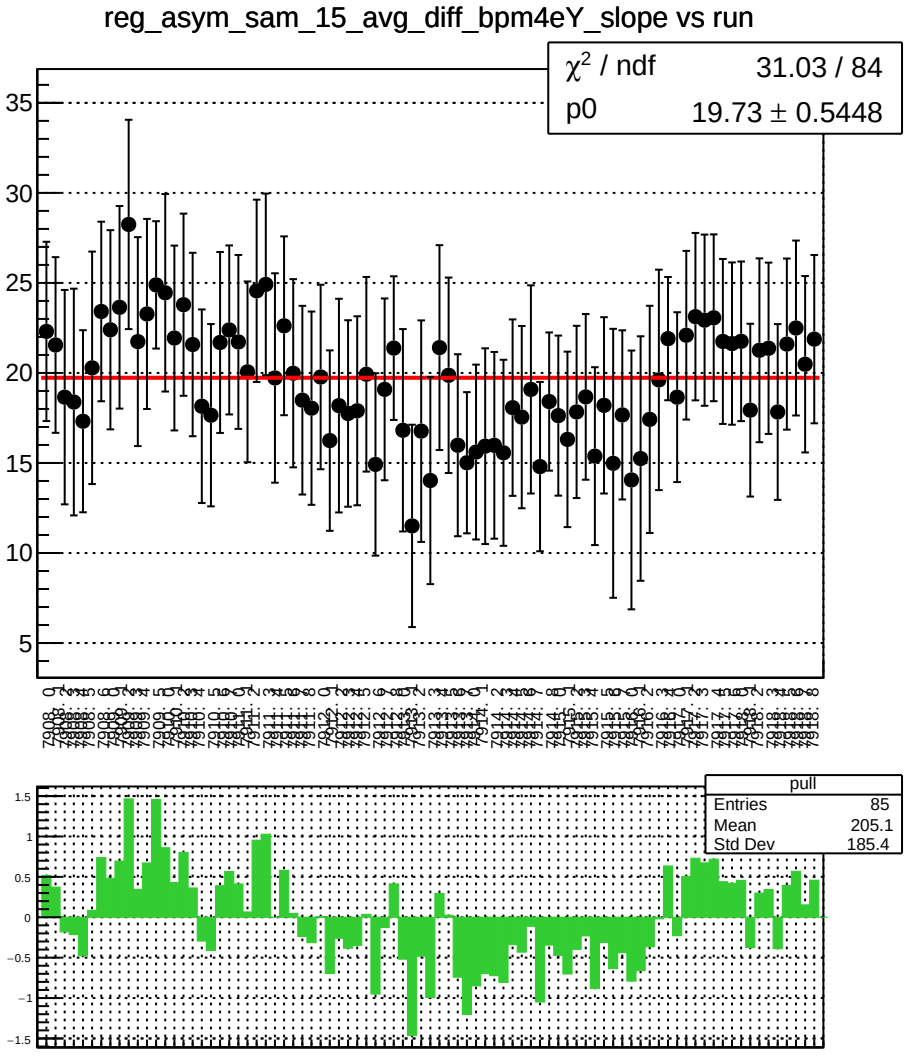

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 92.98 / 84
p0 −25.37 ± 4.581
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 60.4
Std Dev 22.27
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.1043
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

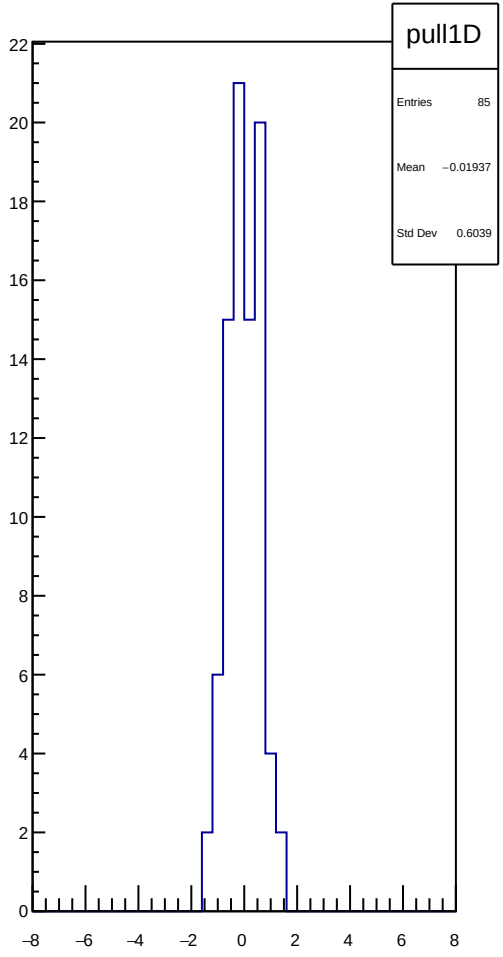

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 116.9 / 84
p0 −16.39 ± 0.4645
pull
Entries 85
Mean −246.6
Std Dev 297.1
pull1D
Entries 85
Mean −0.06302
Std Dev 1.171

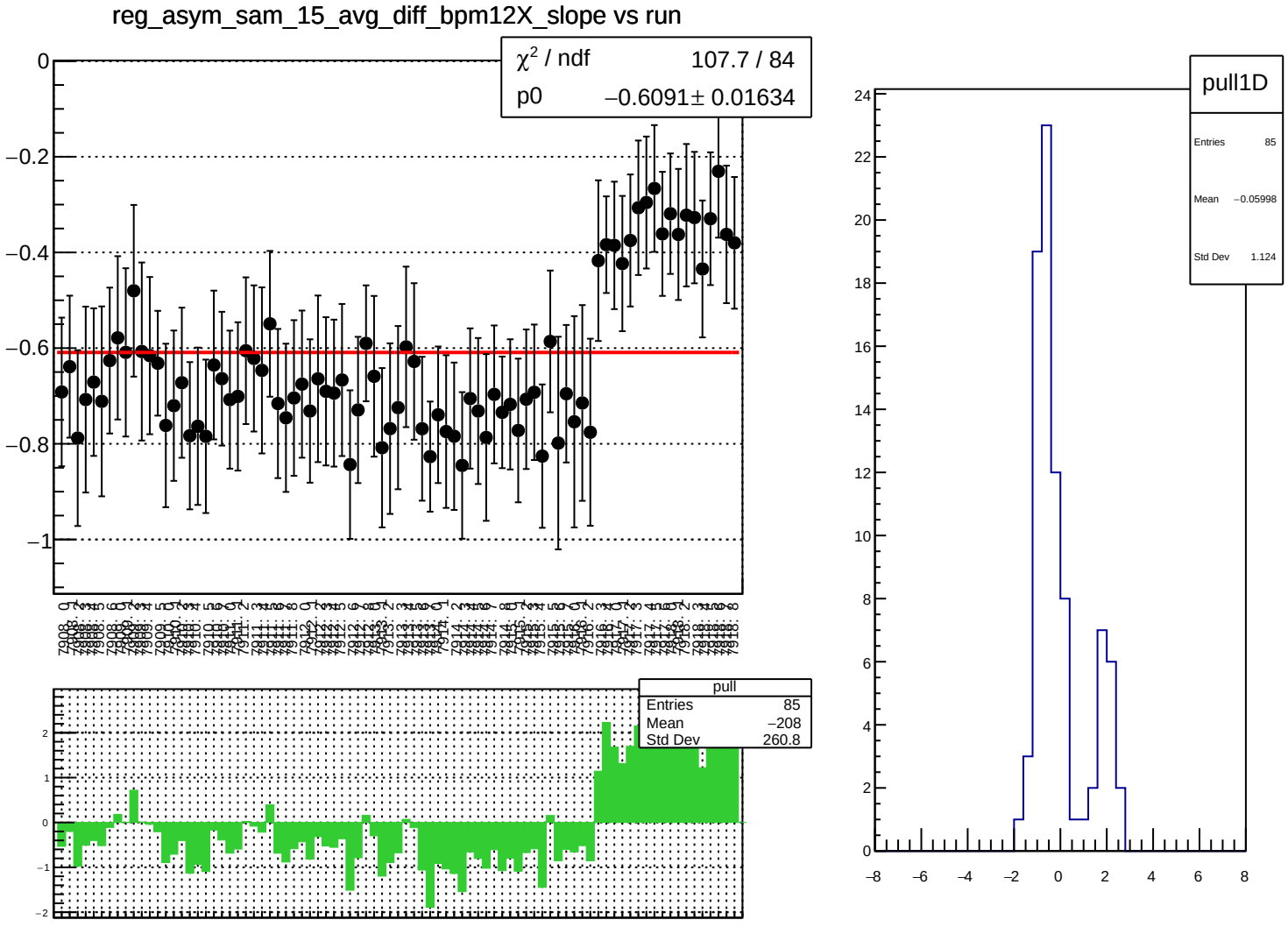

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 28.6 / 84
p0 32.42 ± 0.4684
pull
Entries 85
Mean 113.6
Std Dev 109.8

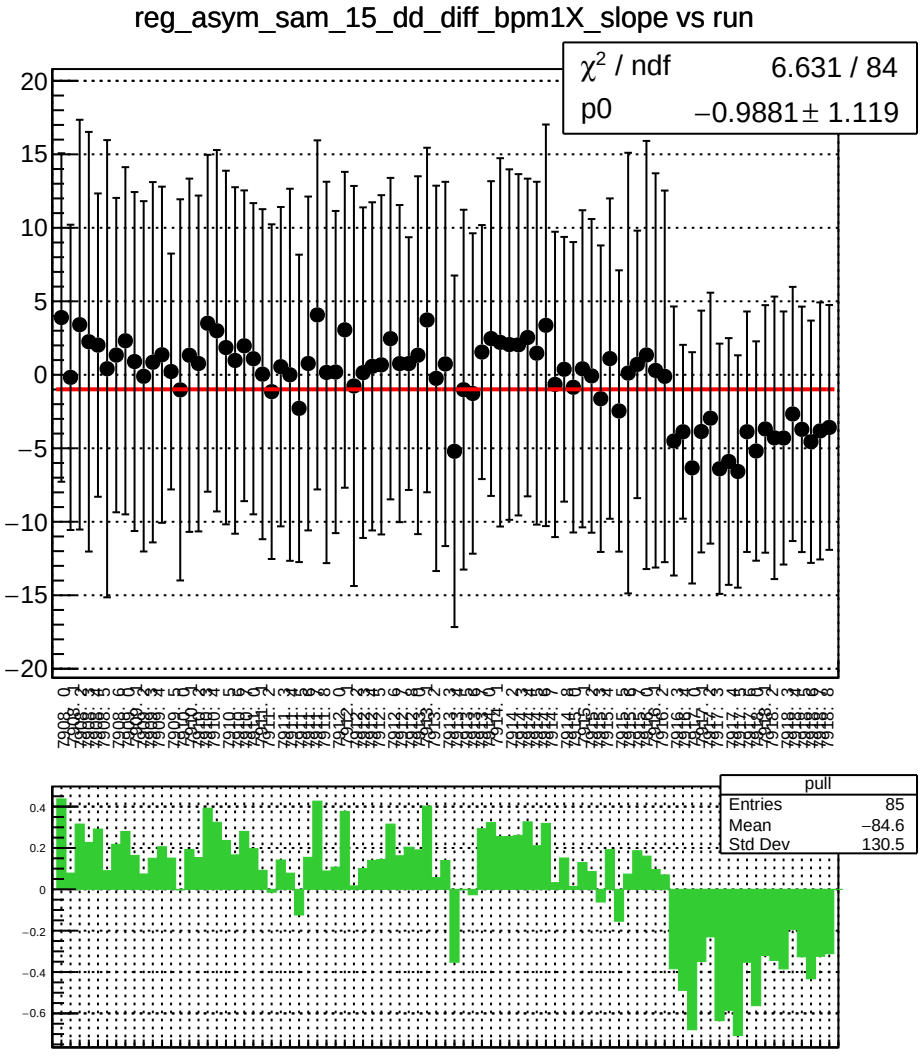

pull1D
Entries 85
Mean 0.02175
Std Dev 0.5797

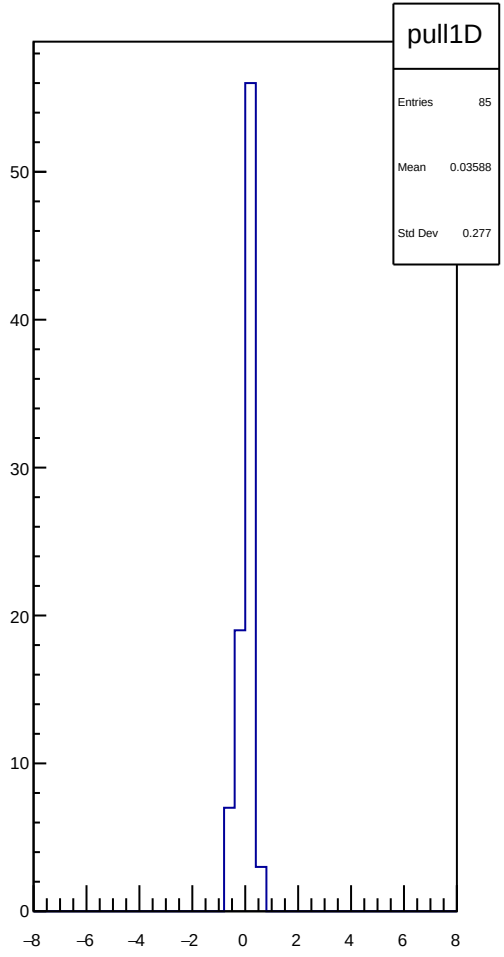

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 100.4 / 84
p0 12.36 ± 0.3948
pull
Entries 85
Mean −544.1
Std Dev 595.4
pull1D
Entries 85
Mean 0.02811
Std Dev 1.086

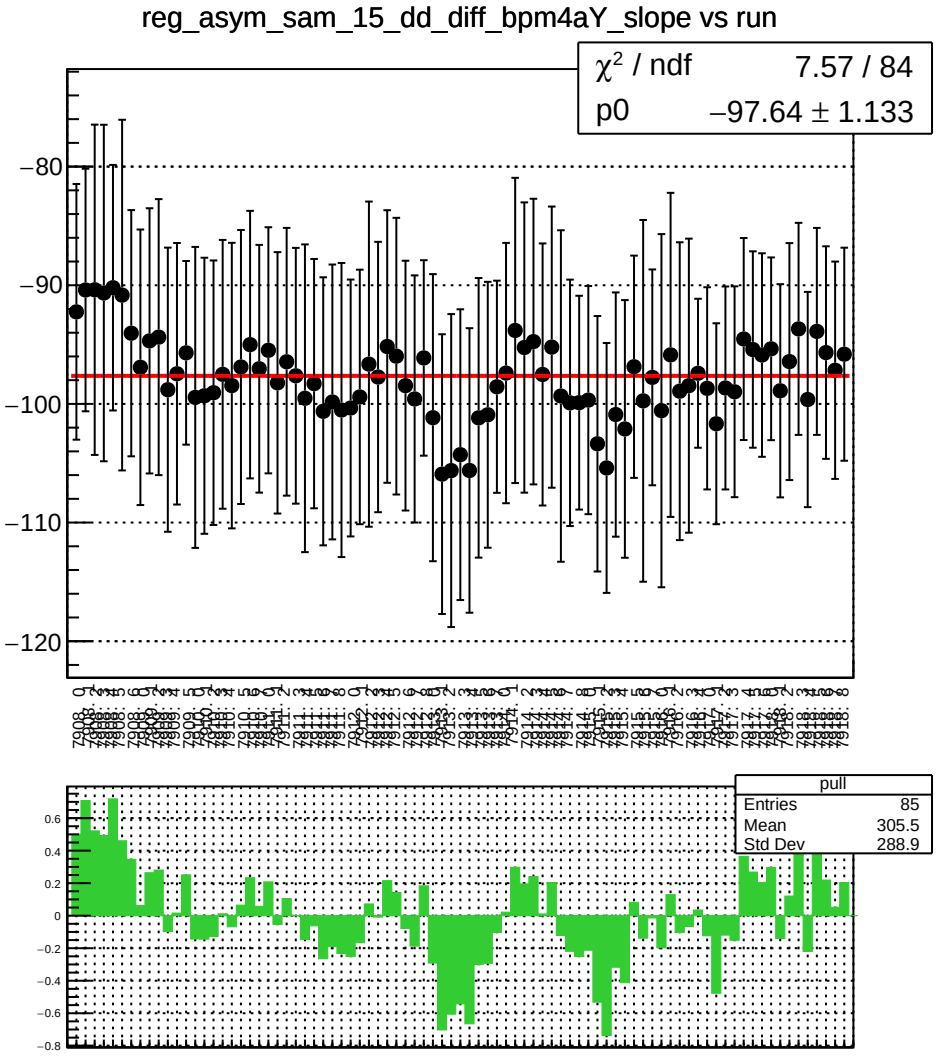

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 31.03 / 84
p0 19.73 ± 0.5448
pull
Entries 85
Mean 205.1
Std Dev 185.4

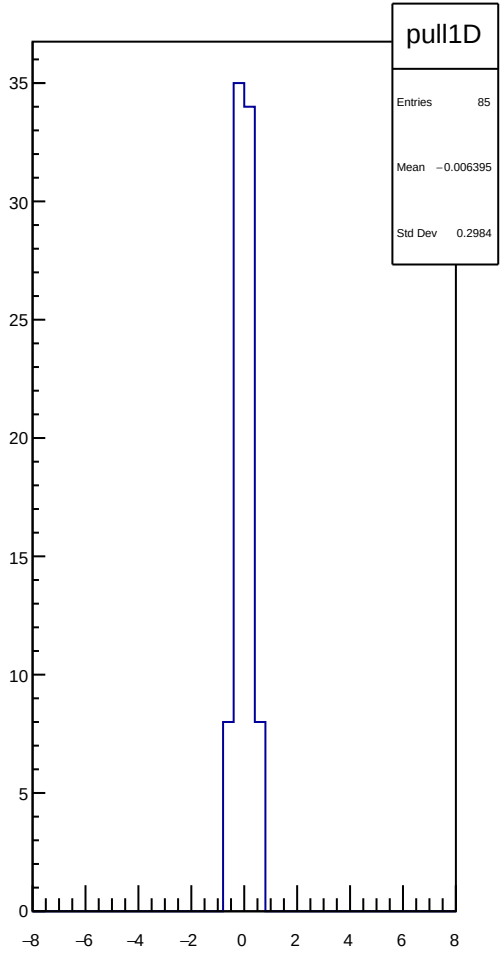

pull1D
Entries 85
Mean −0.01937
Std Dev 0.6039

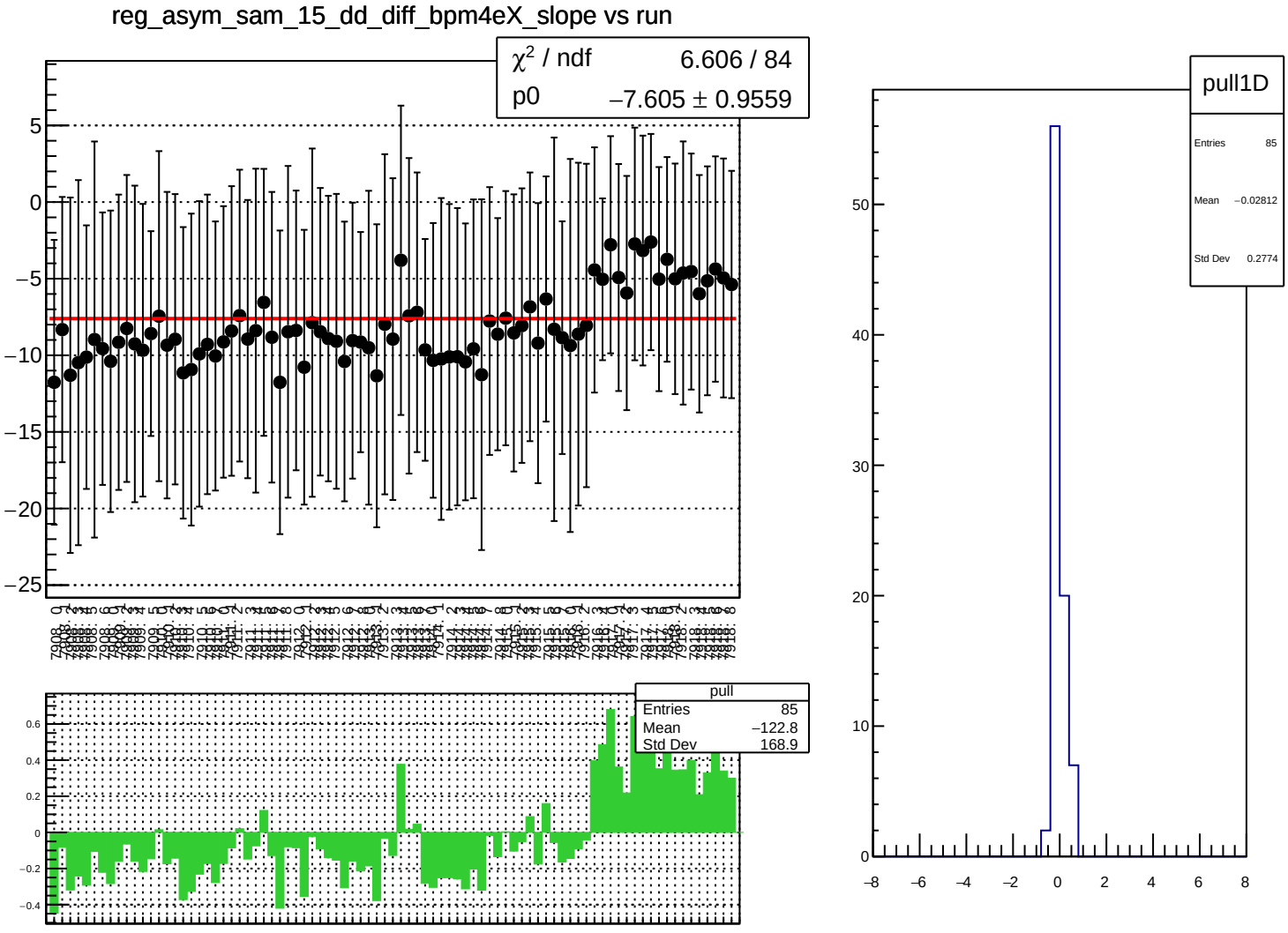

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 107.7 / 84
p0 −0.6091± 0.01634
pull
Entries 85
Mean −208
Std Dev 260.8
pull1D
Entries 85
Mean −0.05998
Std Dev 1.124

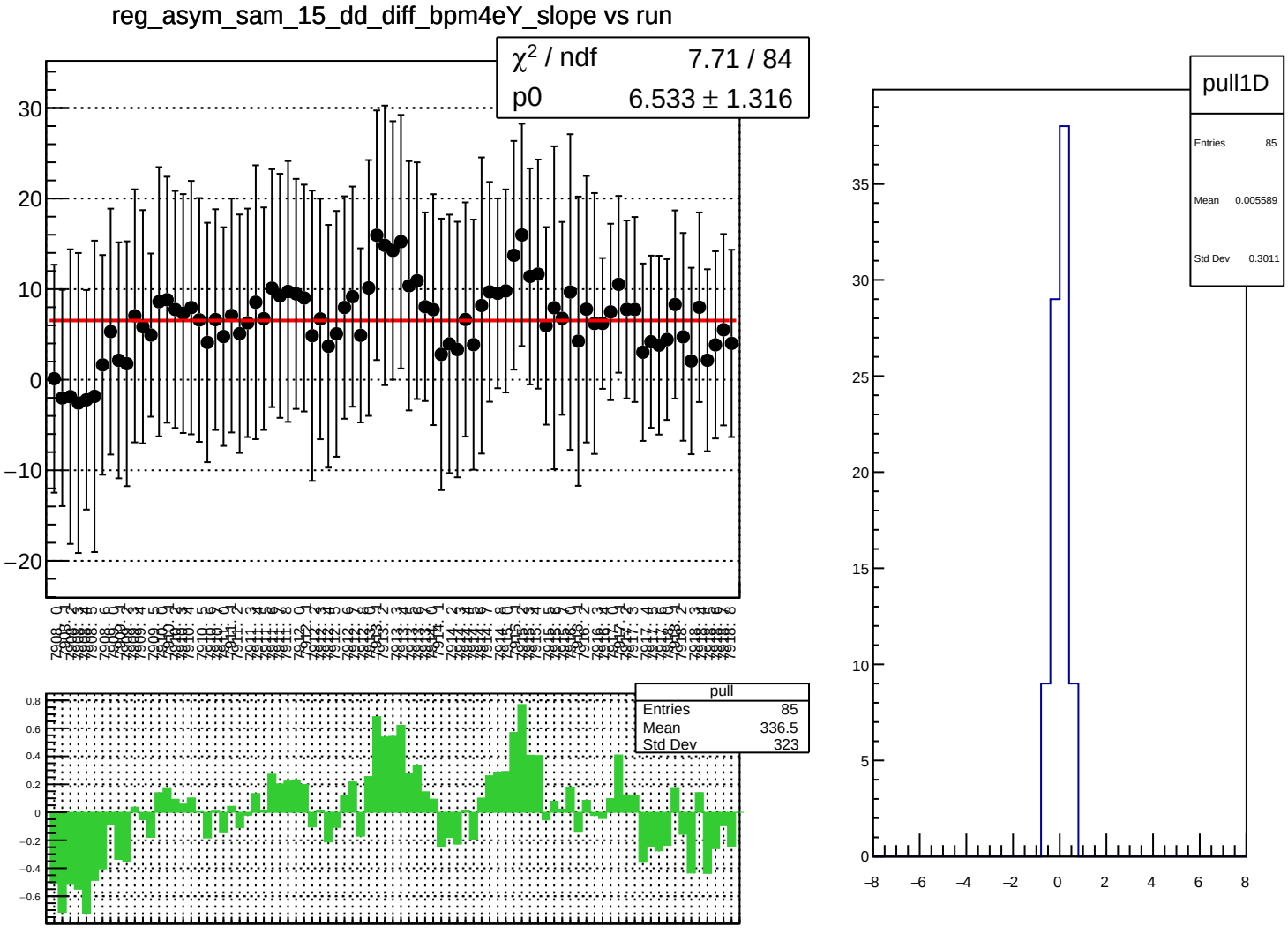

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 6.631 / 84
p0 −0.9881 ± 1.119
pull
Entries 85
Mean −84.6
Std Dev 130.5

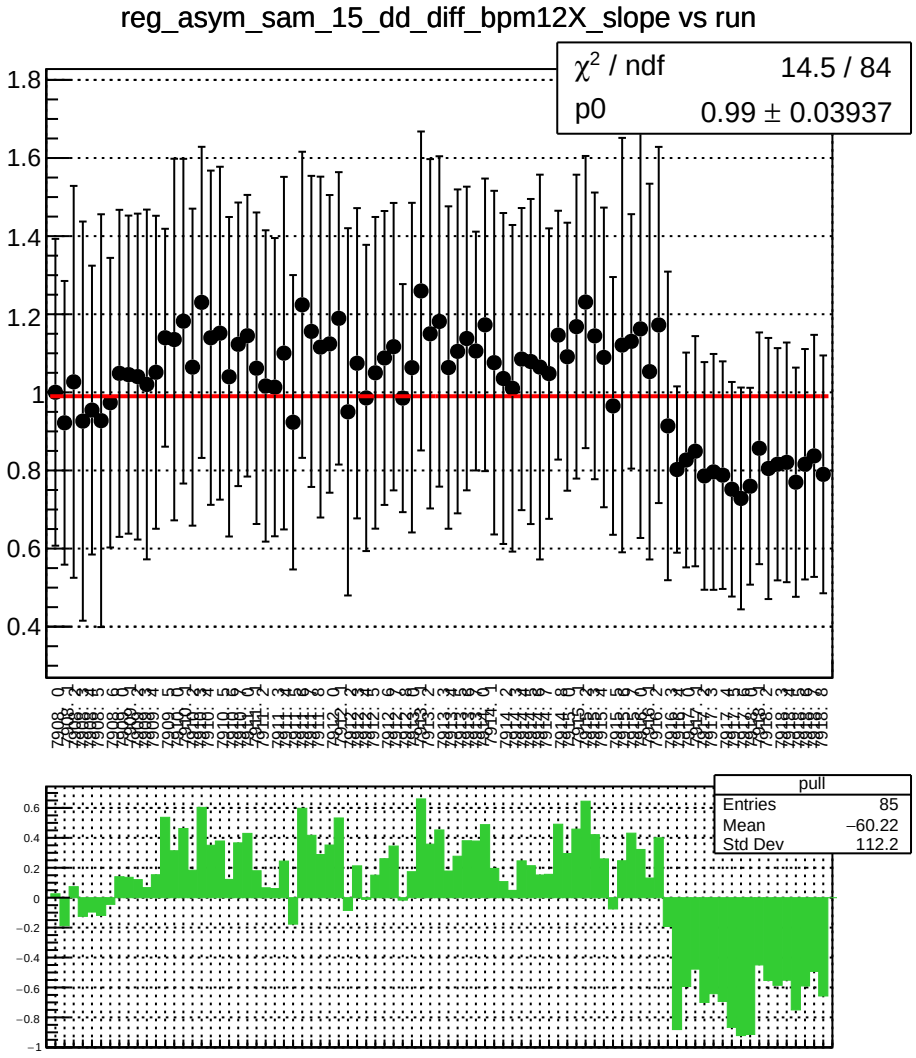

pull1D
Entries 85
Mean 0.03588
Std Dev 0.277

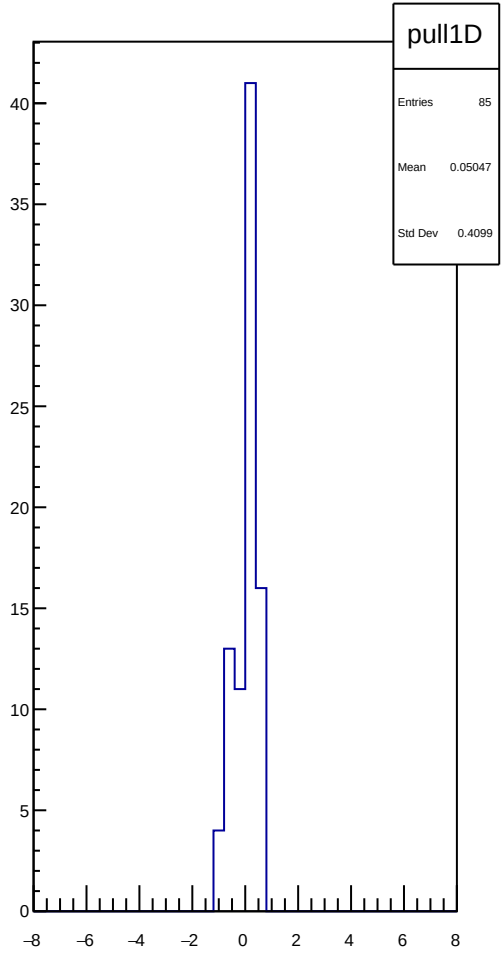

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.57 / 84
p0 −97.64 ± 1.133
pull
Entries 85
Mean 305.5
Std Dev 288.9

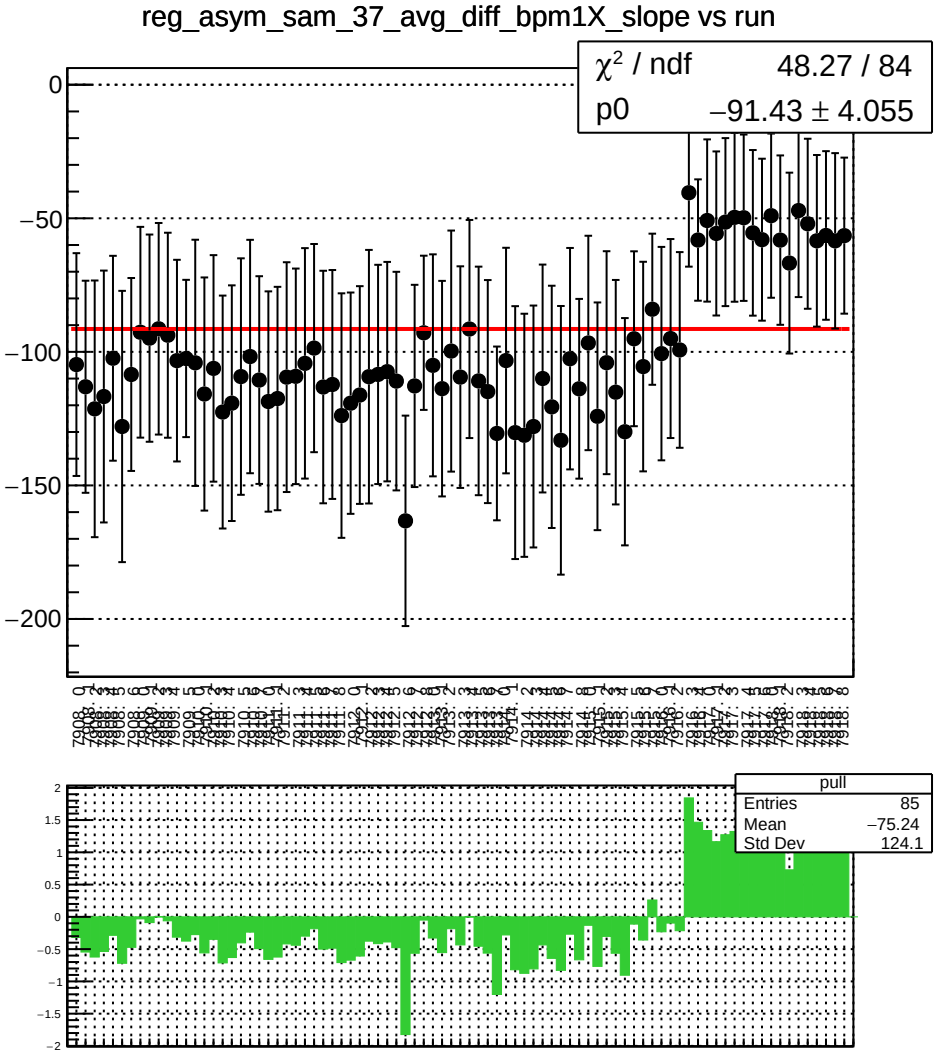

pull1D
Entries 85
Mean −0.006395
Std Dev 0.2984

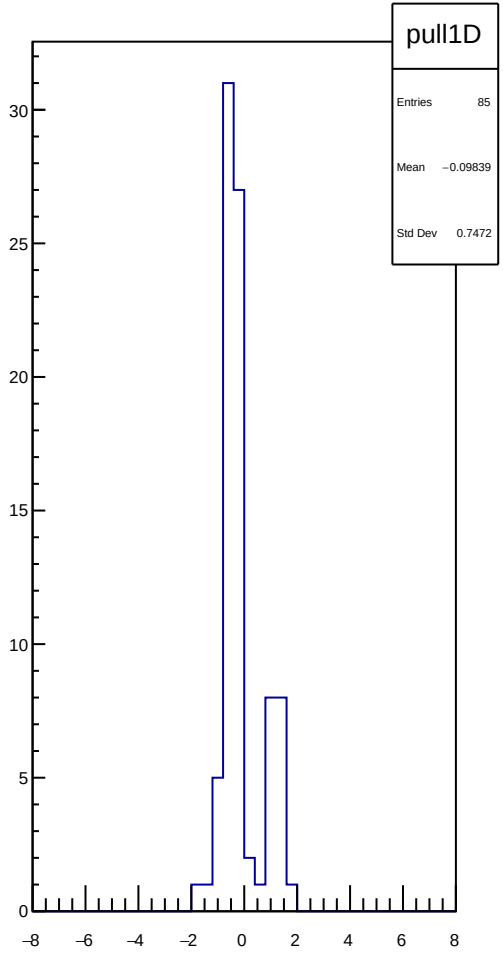

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.606 / 84
p0 −7.605 ± 0.9559
pull
Entries 85
Mean −122.8
Std Dev 168.9
pull1D
Entries 85
Mean −0.02812
Std Dev 0.2774

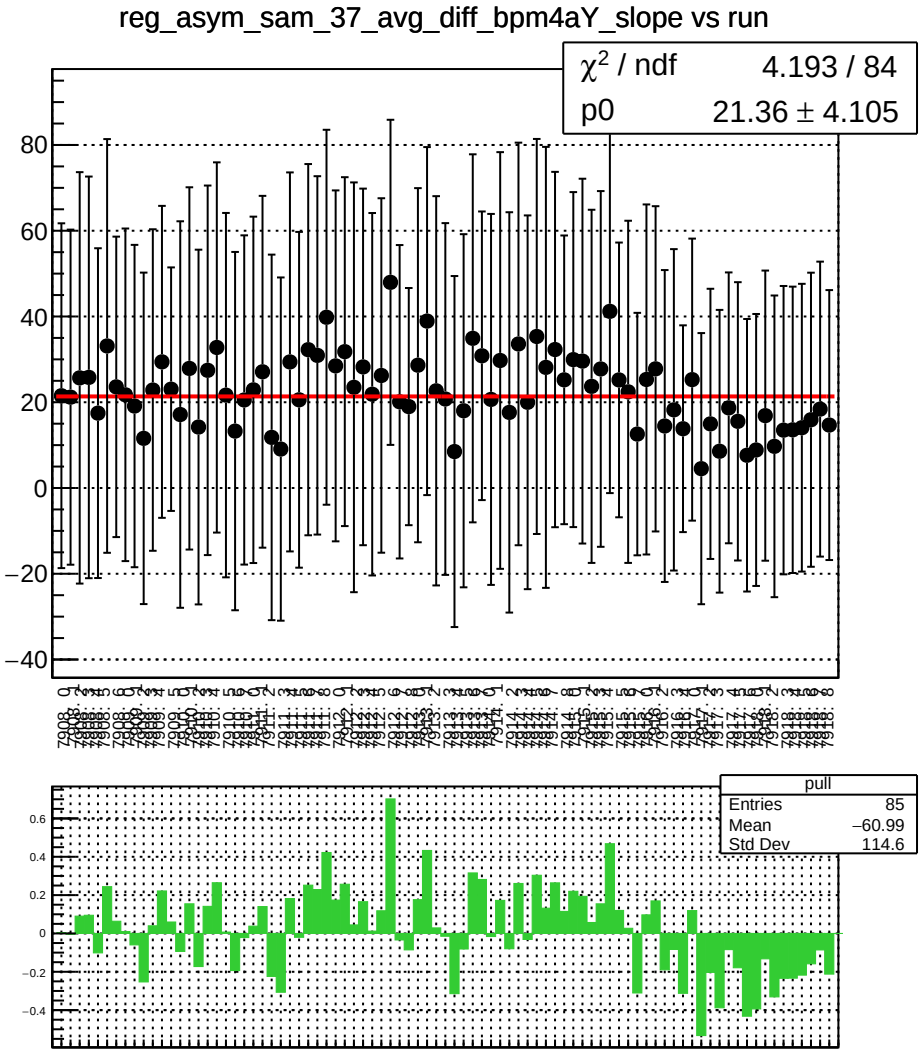

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.71 / 84
p0 6.533 ± 1.316
pull
Entries 85
Mean 336.5
Std Dev 323
pull1D
Entries 85
Mean 0.005589
Std Dev 0.3011

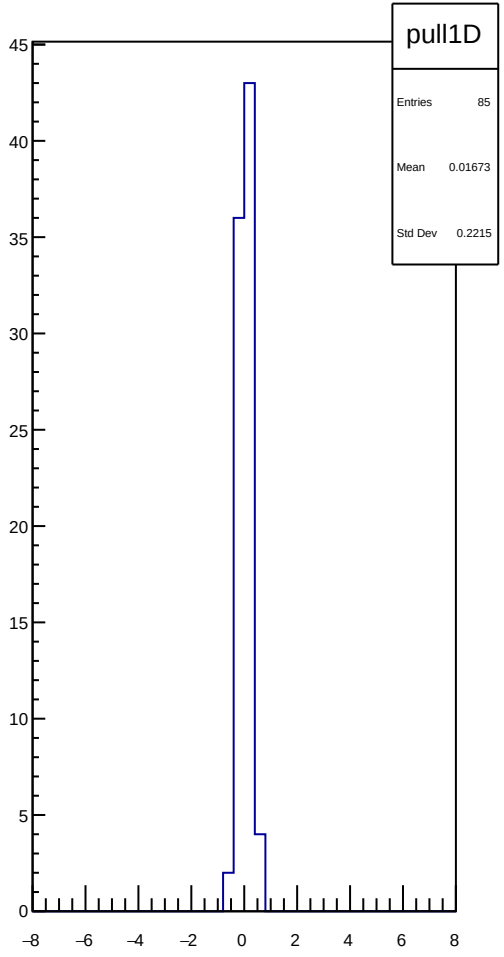

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 14.5 / 84
p0 0.99 ± 0.03937
pull
Entries 85
Mean −60.22
Std Dev 112.2

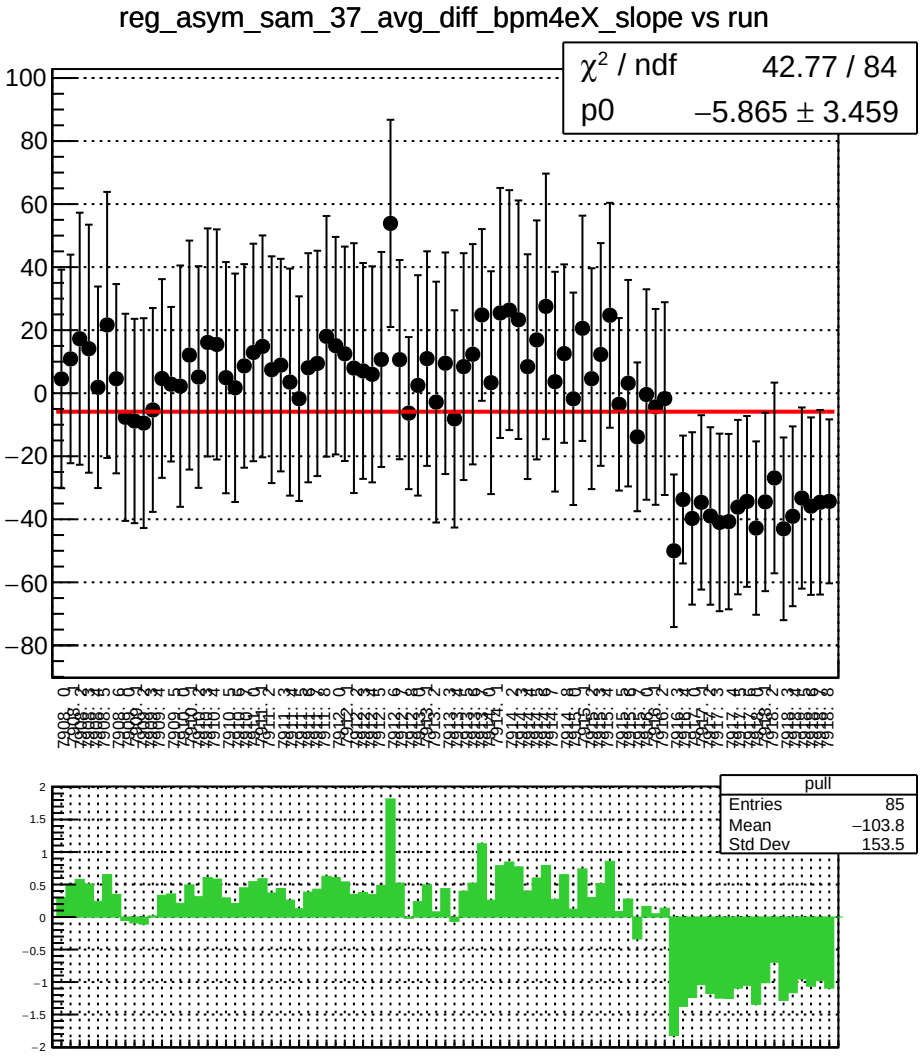

pull1D
Entries 85
Mean 0.05047
Std Dev 0.4099

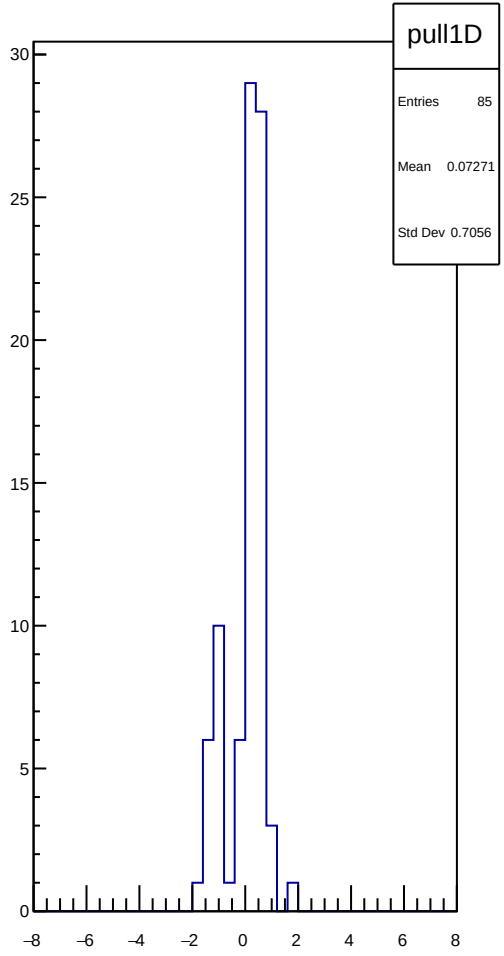

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 48.27 / 84
p0 −91.43 ± 4.055
pull
Entries 85
Mean −75.24
Std Dev 124.1

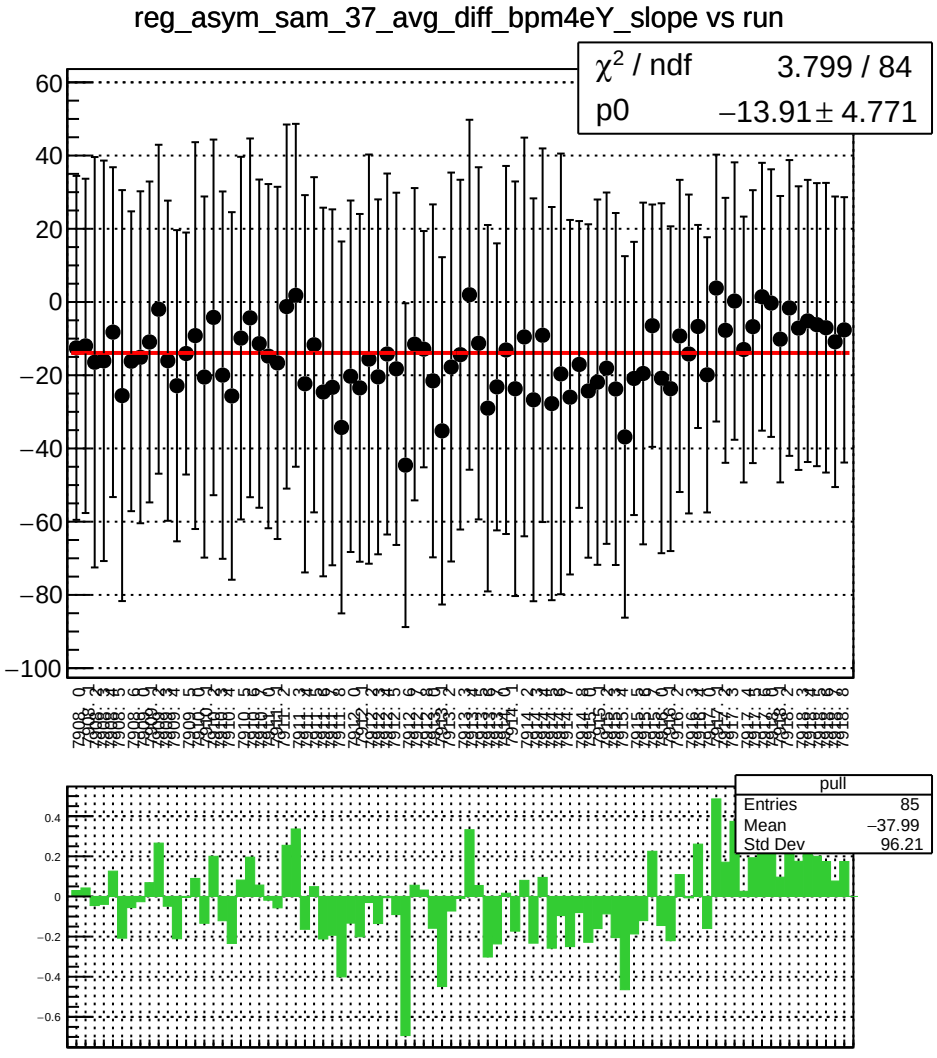

pull1D
Entries 85
Mean −0.09839
Std Dev 0.7472

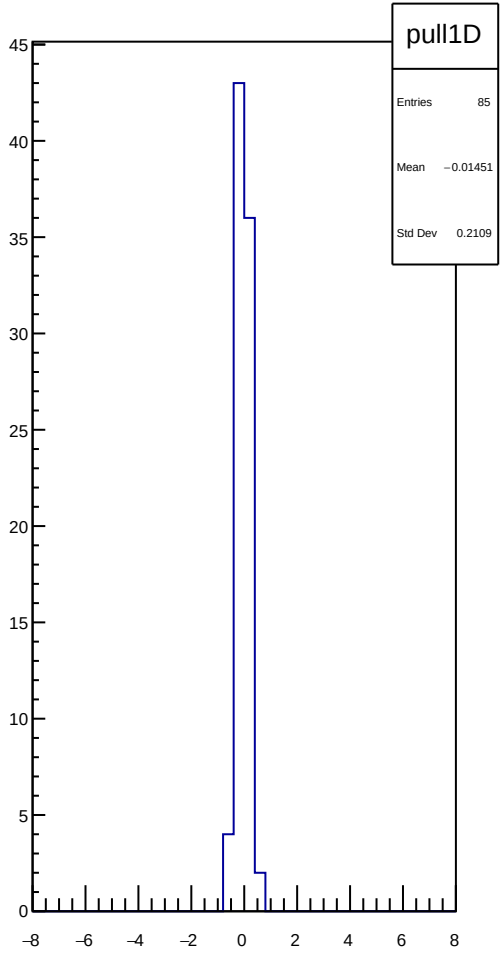

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.193 / 84
p0 21.36 ± 4.105
pull
Entries 85
Mean −60.99
Std Dev 114.6

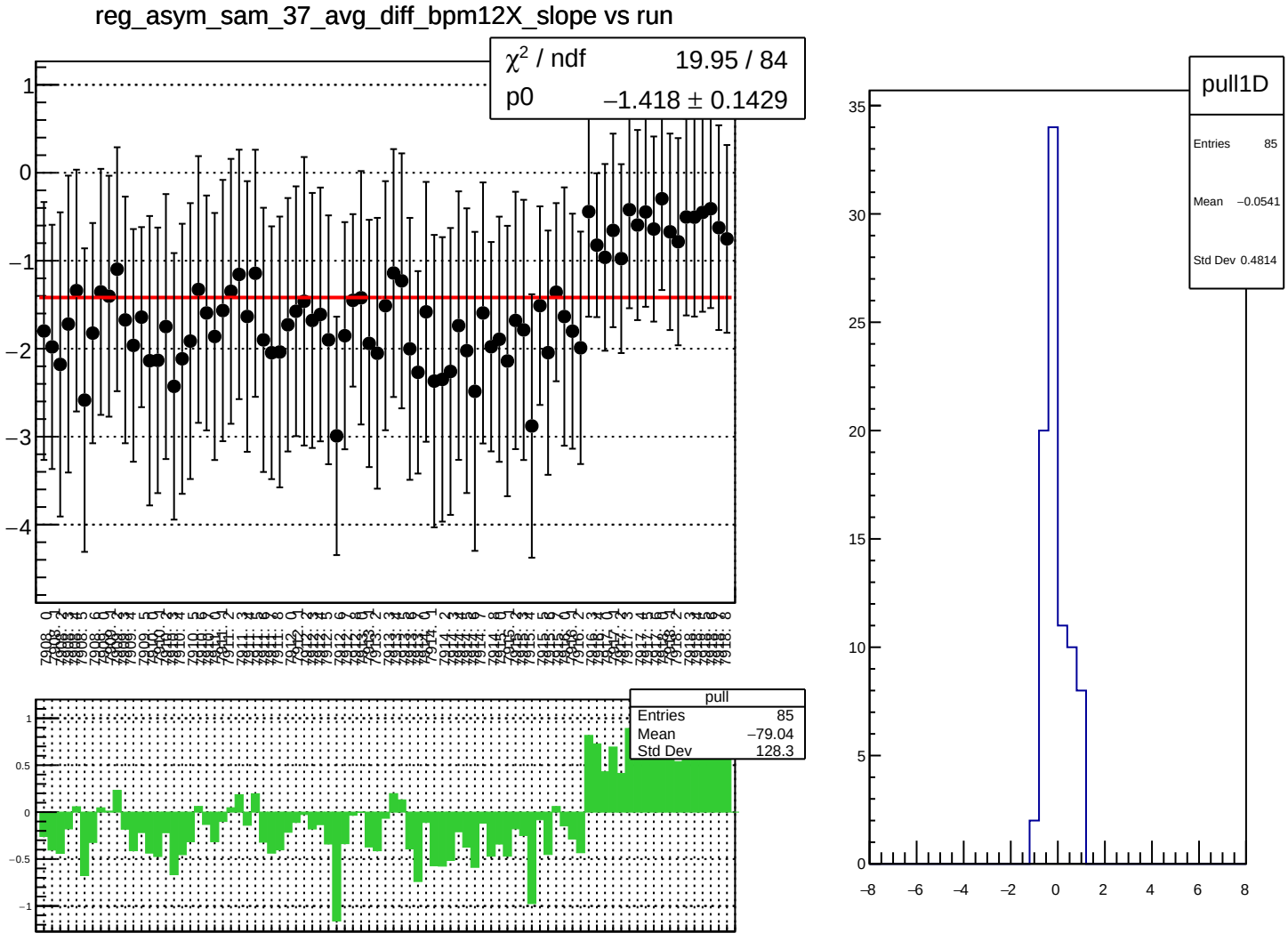

pull1D
Entries 85
Mean 0.01673
Std Dev 0.2215

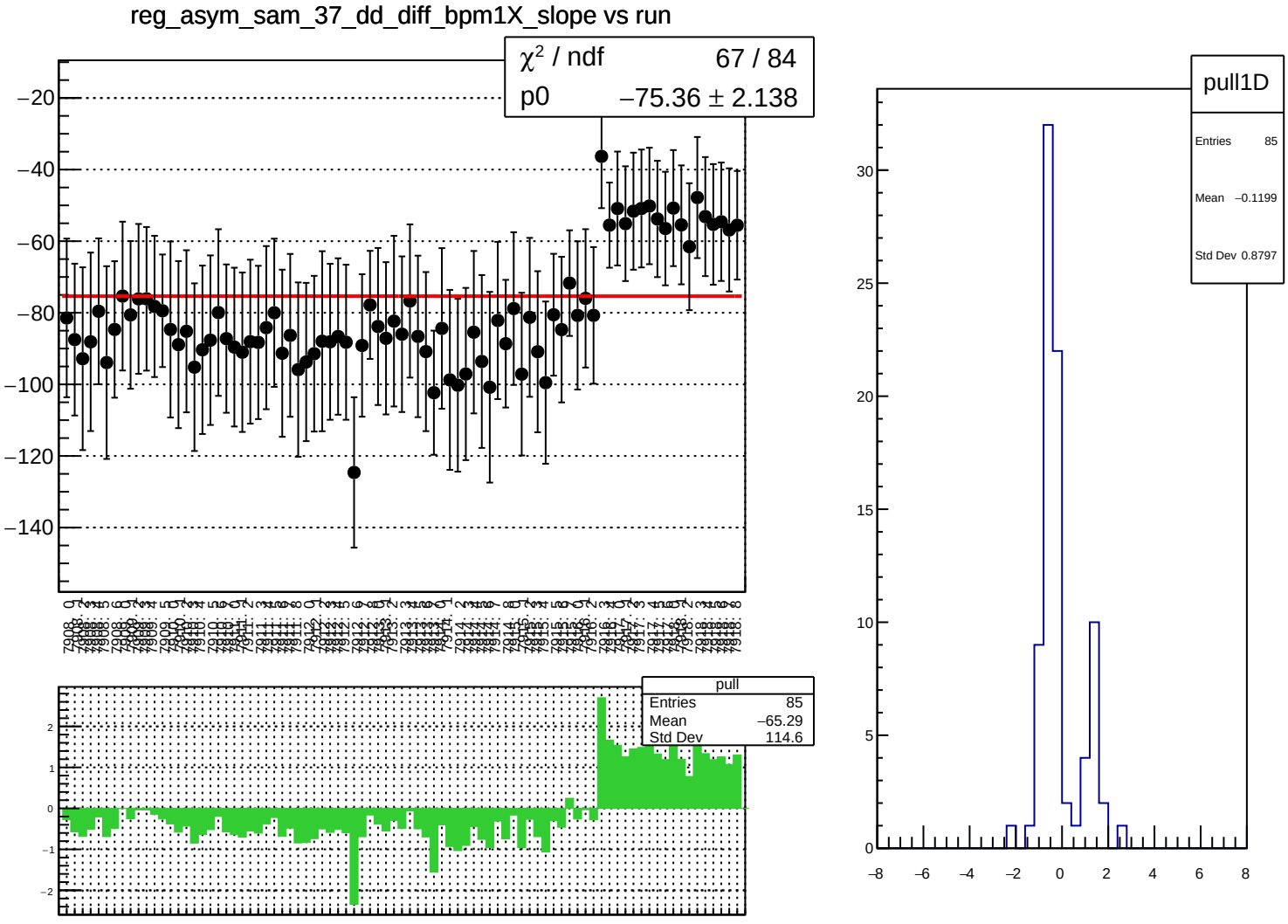

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.77 / 84
p0 −5.865 ± 3.459
pull
Entries 85
Mean −103.8
Std Dev 153.5

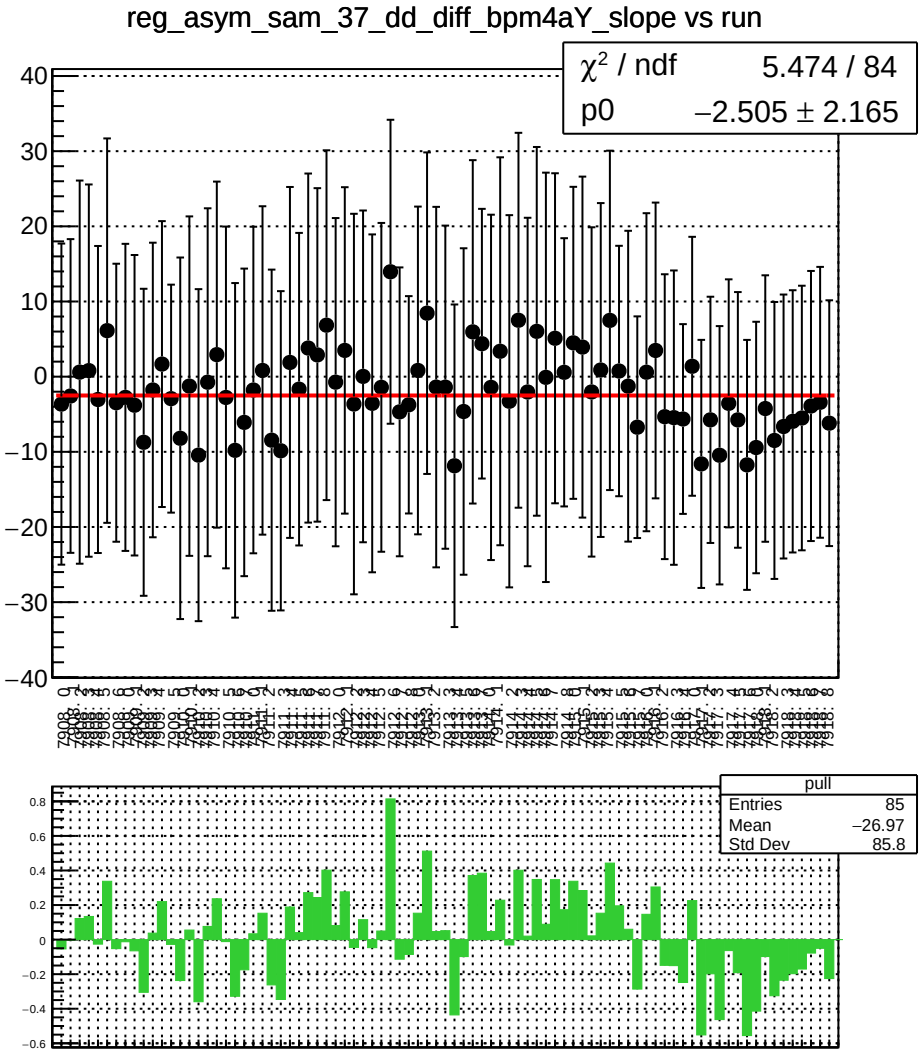

pull1D
Entries 85
Mean 0.07271
Std Dev 0.7056

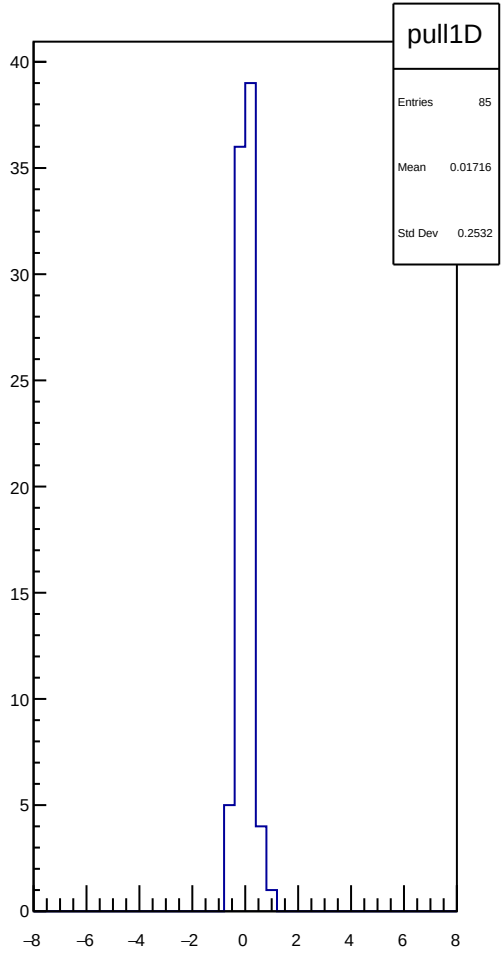

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.799 / 84
p0 −13.91 ± 4.771
pull
Entries 85
Mean −37.99
Std Dev 96.21

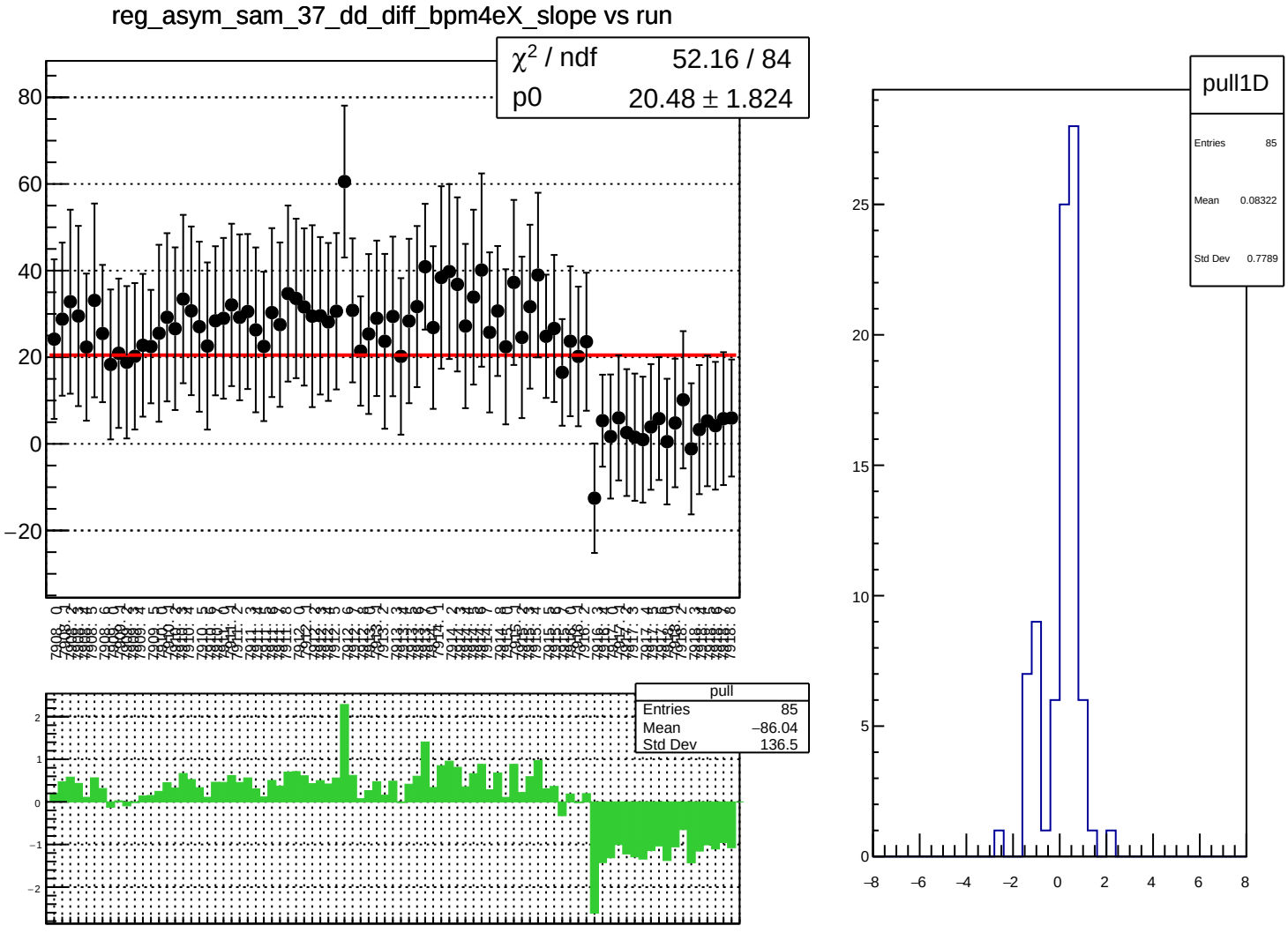

pull1D
Entries 85
Mean −0.01451
Std Dev 0.2109

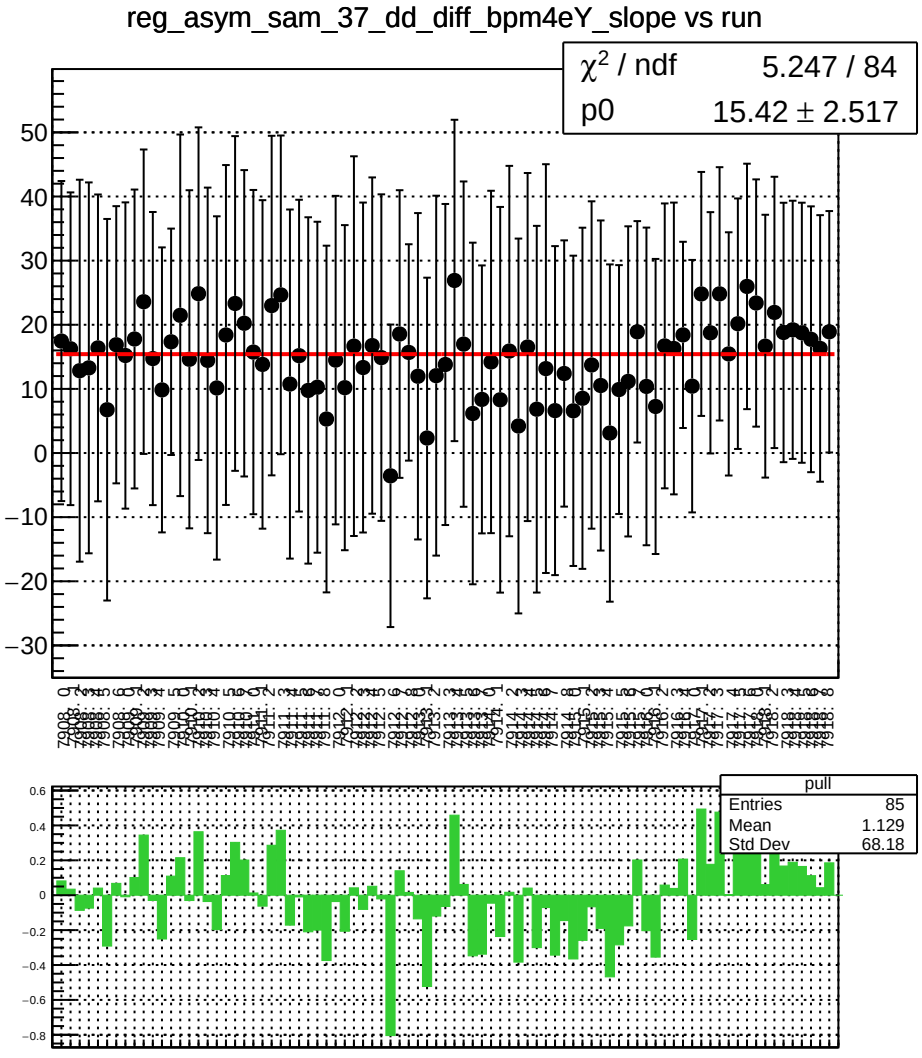

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 19.95 / 84
p0 −1.418 ± 0.1429
pull
Entries 85
Mean −79.04
Std Dev 128.3
pull1D
Entries 85
Mean −0.0541
Std Dev 0.4814

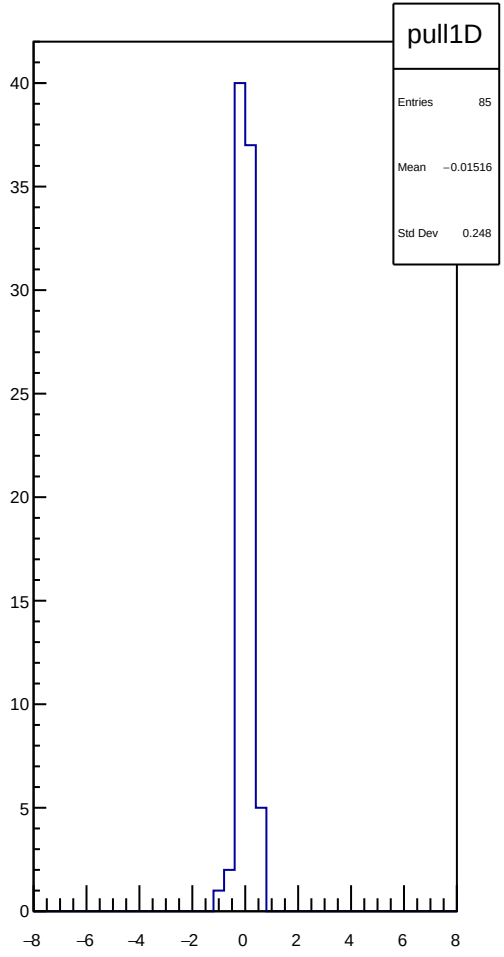

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 67 / 84
p0 −75.36 ± 2.138
pull
Entries 85
Mean −65.29
Std Dev 114.6
pull1D
Entries 85
Mean −0.1199
Std Dev 0.8797

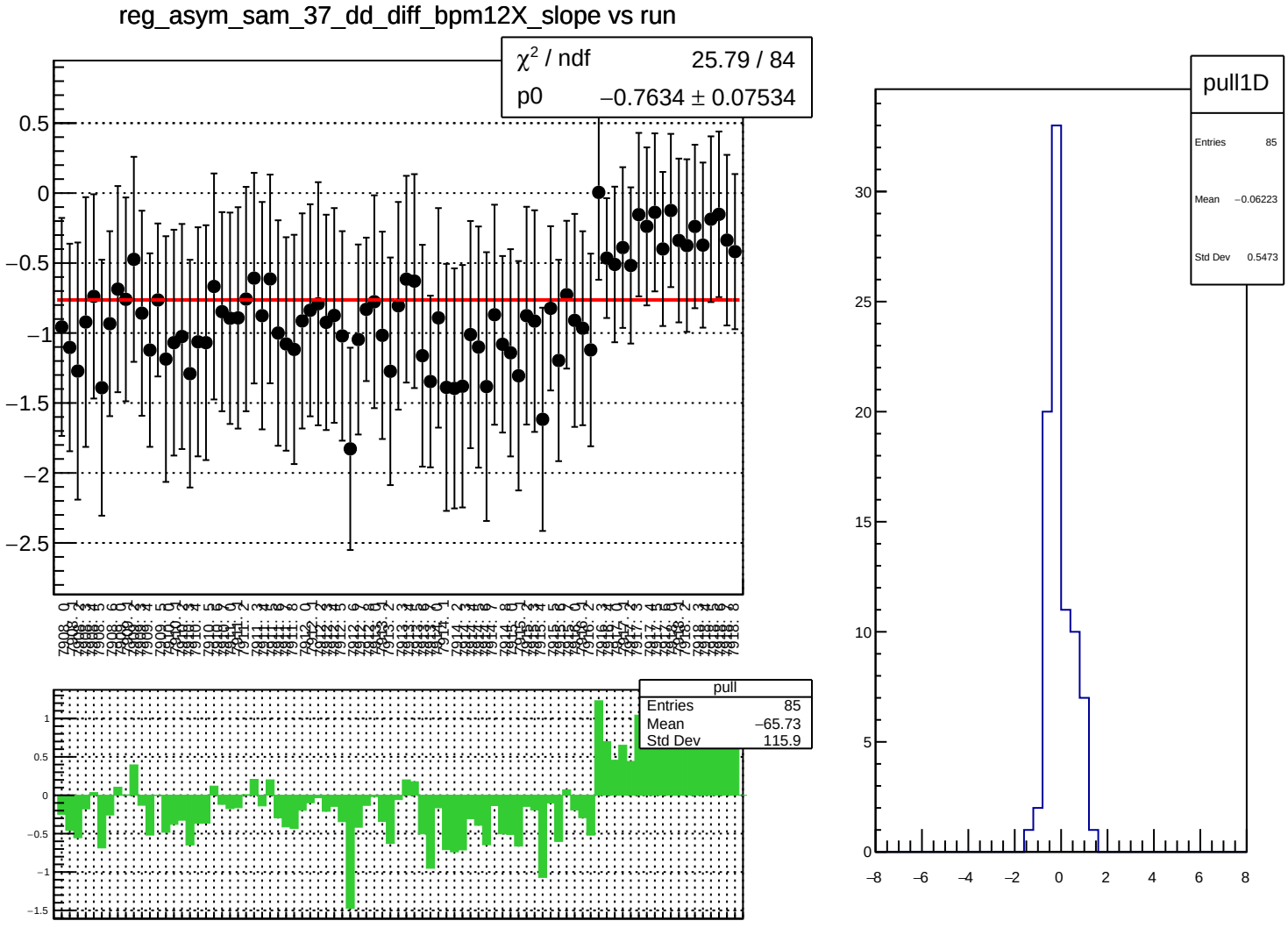

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.474 / 84
p0 −2.505 ± 2.165
pull
Entries 85
Mean −26.97
Std Dev 85.8

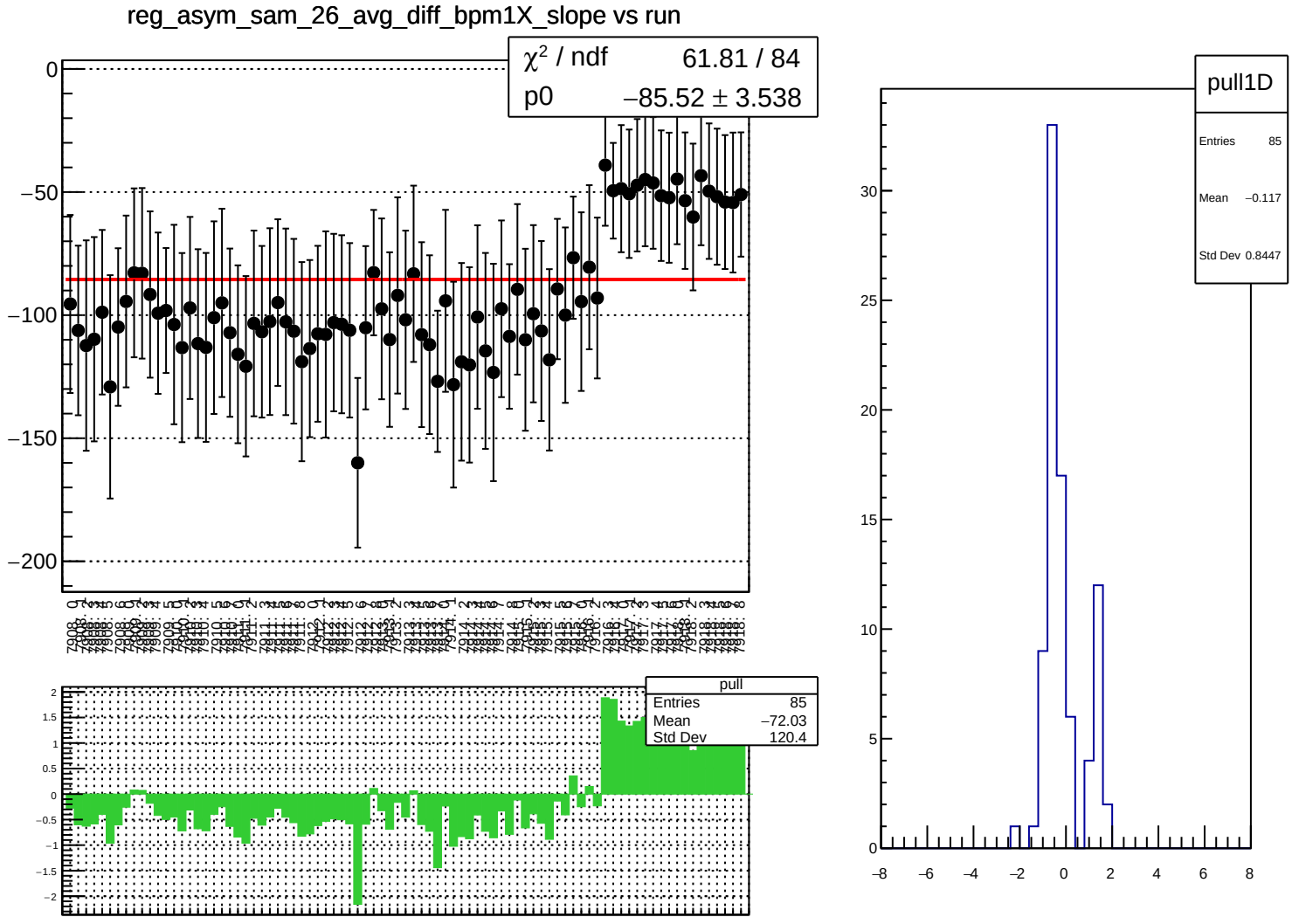

pull1D
Entries 85
Mean 0.01716
Std Dev 0.2532

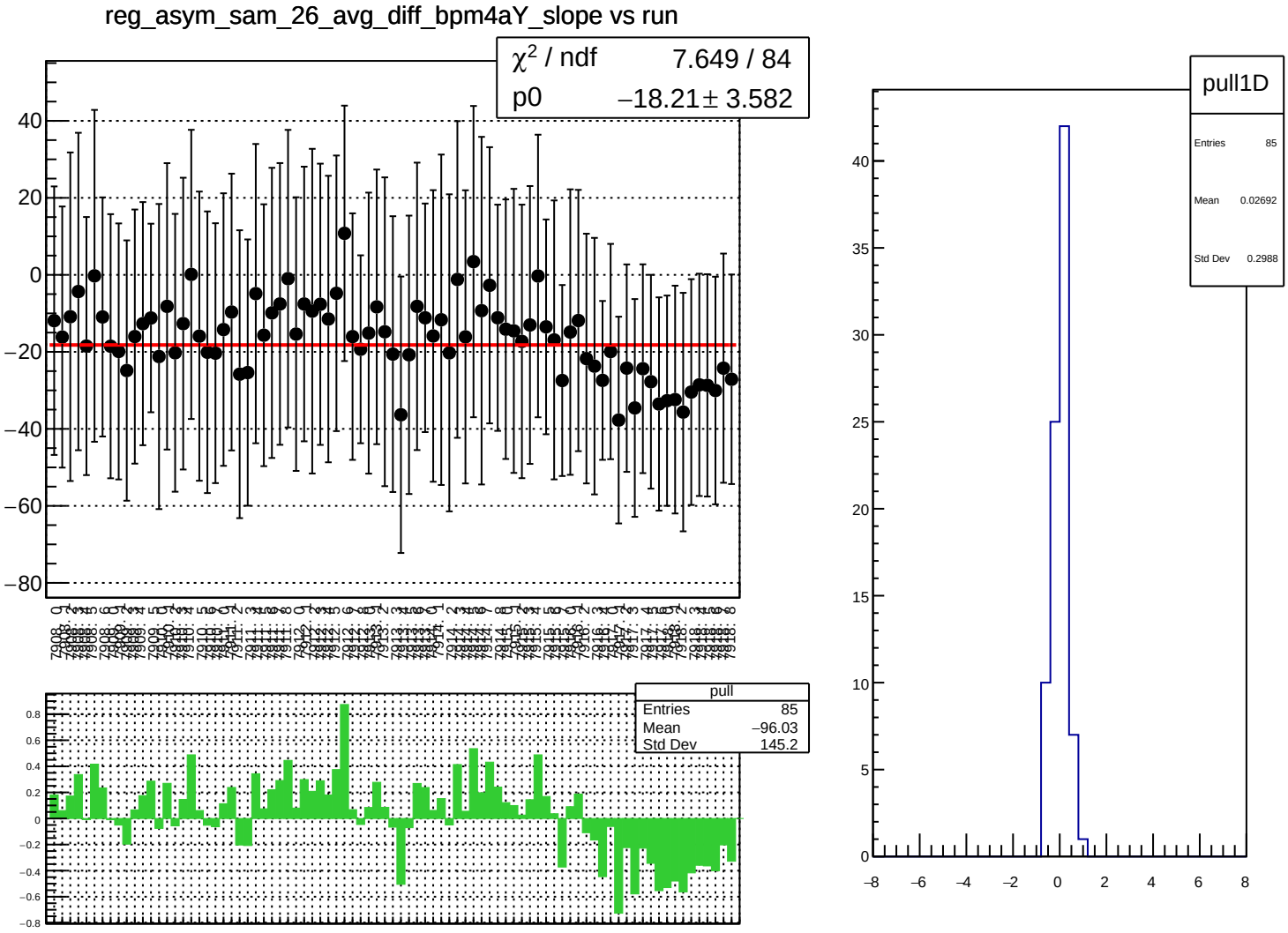

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.16 / 84
p0 20.48 ± 1.824
pull
Entries 85
Mean −86.04
Std Dev 136.5
pull1D
Entries 85
Mean 0.08322
Std Dev 0.7789

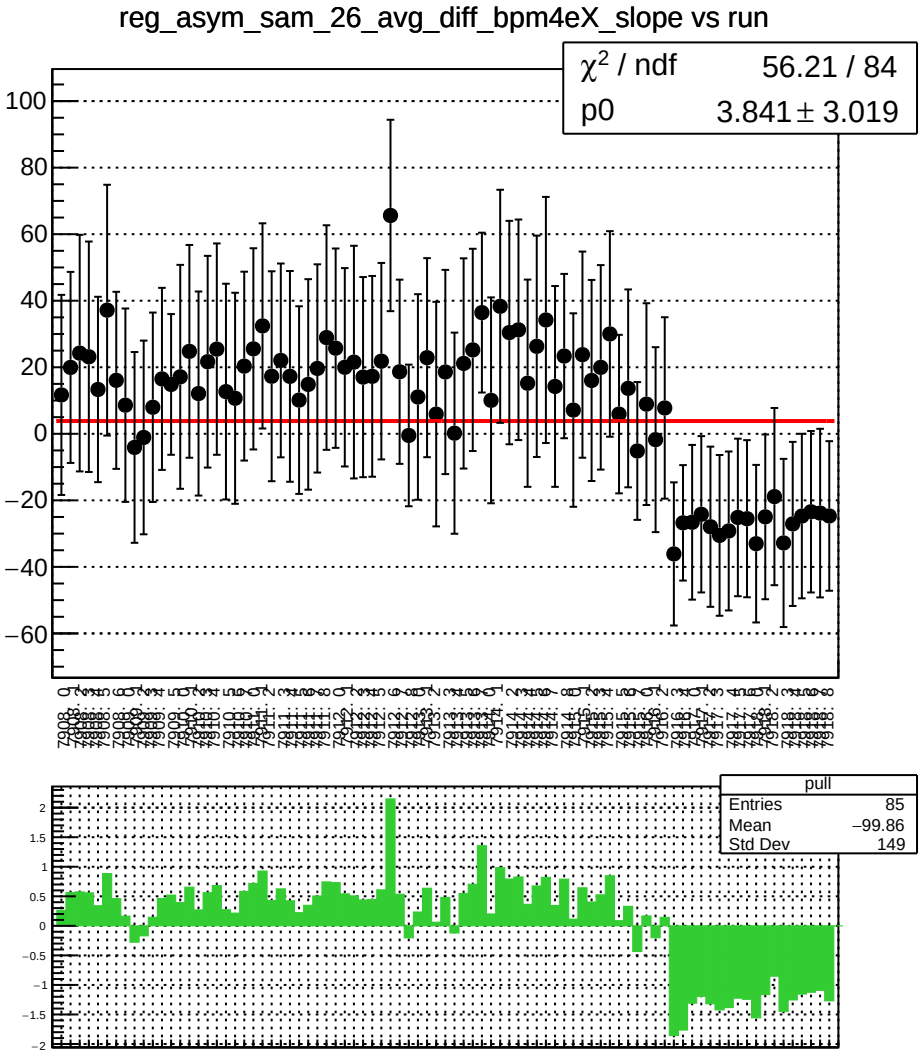

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.247 / 84
p0 15.42 ± 2.517
pull
Entries 85
Mean 1.129
Std Dev 68.18

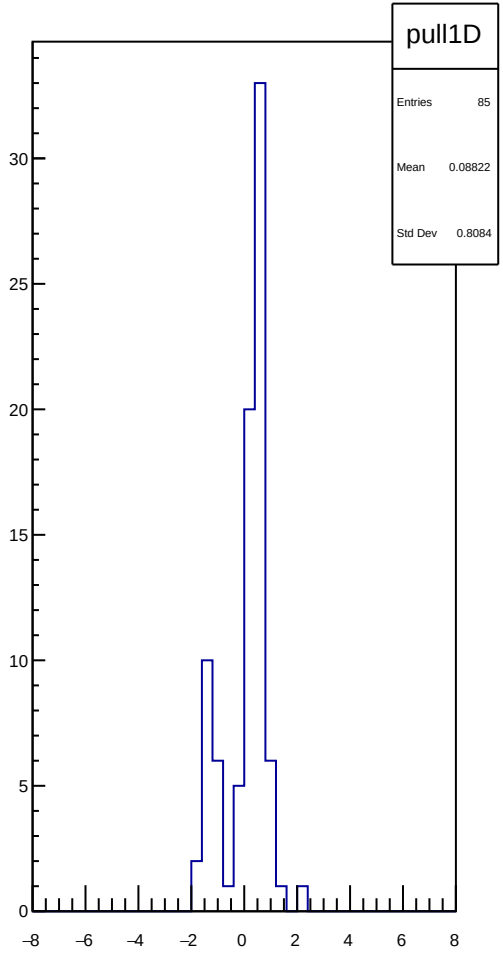

pull1D
Entries 85
Mean −0.01516
Std Dev 0.248

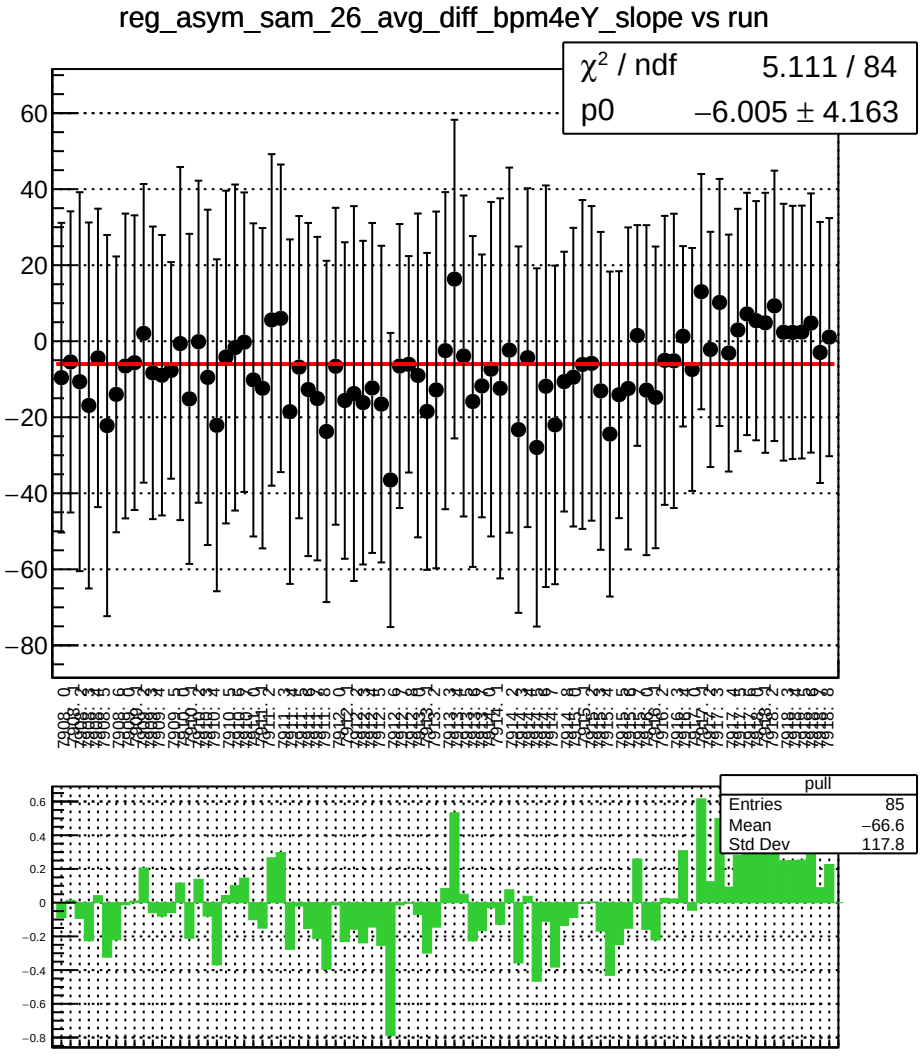

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 25.79 / 84
p0 −0.7634 ± 0.07534
pull
Entries 85
Mean −65.73
Std Dev 115.9
pull1D
Entries 85
Mean −0.06223
Std Dev 0.5473

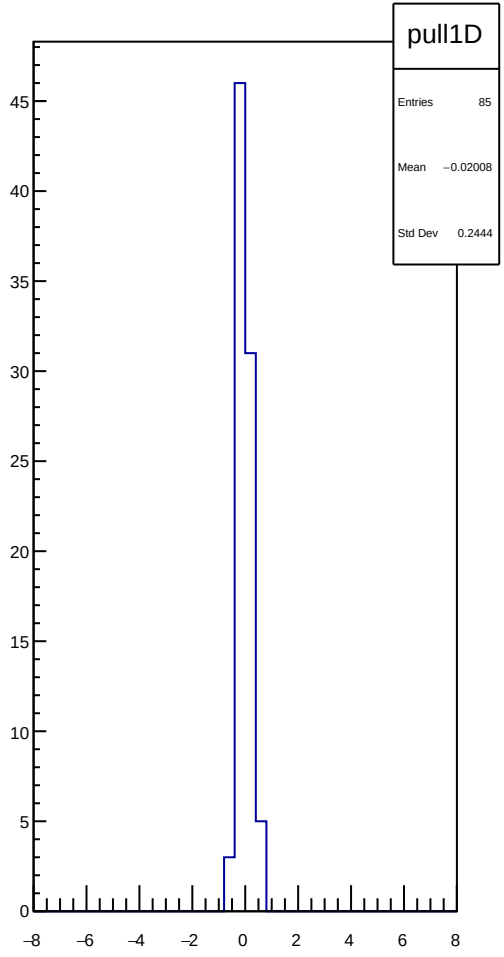

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 61.81 / 84
p0 −85.52 ± 3.538
pull
Entries 85
Mean −72.03
Std Dev 120.4
pull1D
Entries 85
Mean −0.117
Std Dev 0.8447

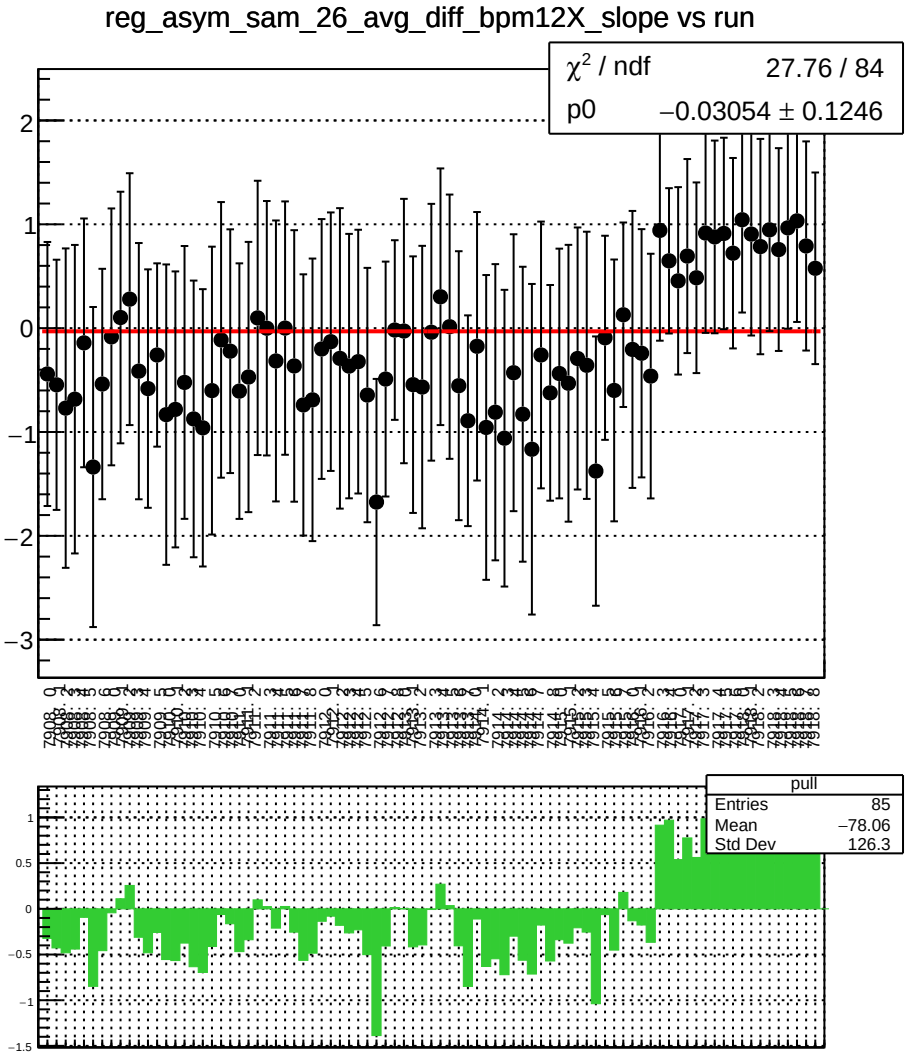

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.649 / 84
p0 −18.21 ± 3.582
pull
Entries 85
Mean −96.03
Std Dev 145.2
pull1D
Entries 85
Mean 0.02692
Std Dev 0.2988

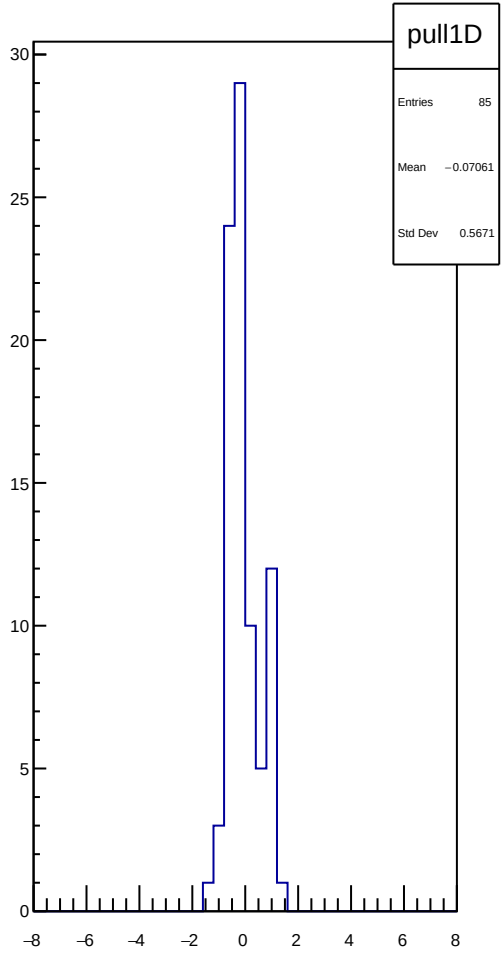

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.21 / 84
p0 3.841 ± 3.019
pull
Entries 85
Mean −99.86
Std Dev 149

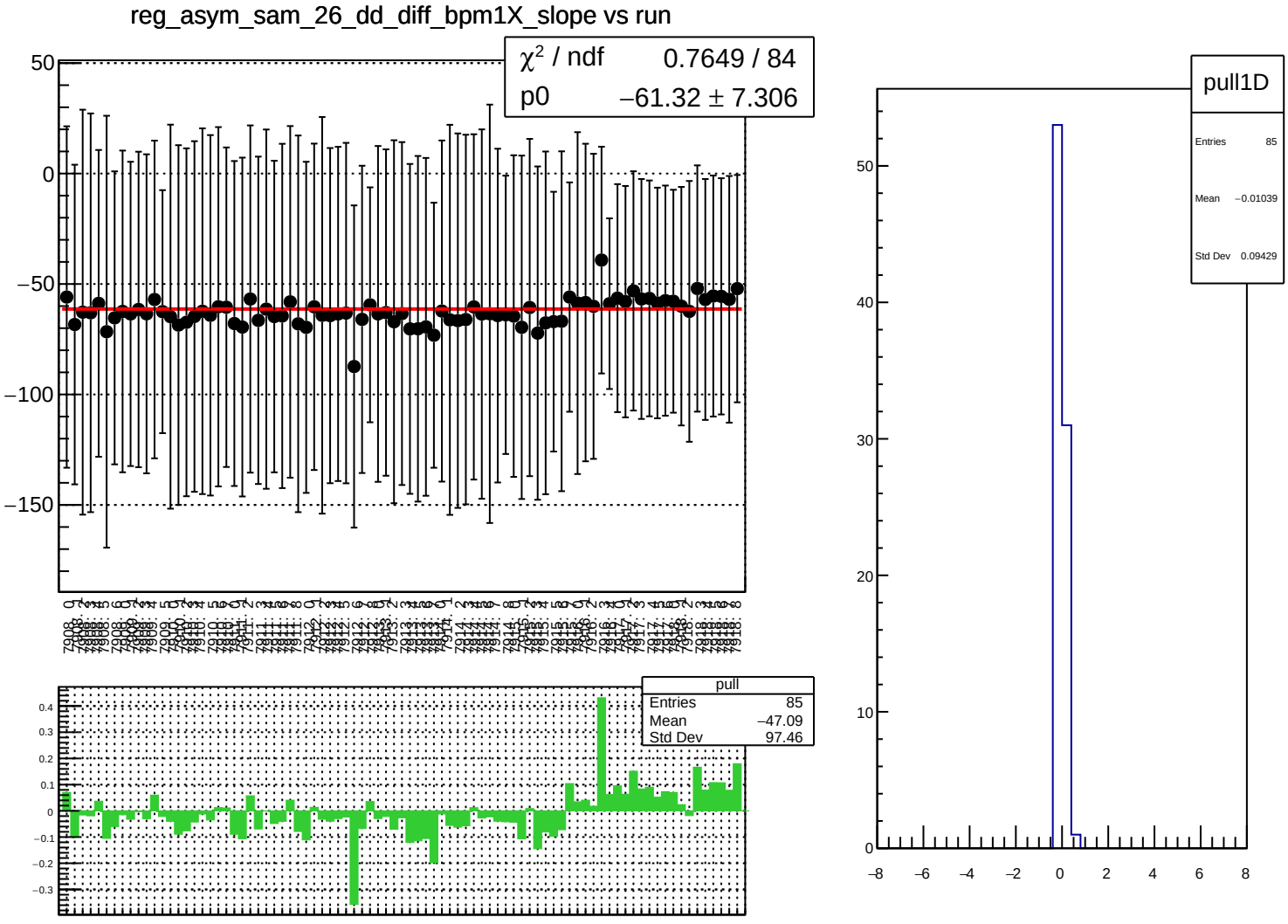

pull1D
Entries 85
Mean 0.08822
Std Dev 0.8084

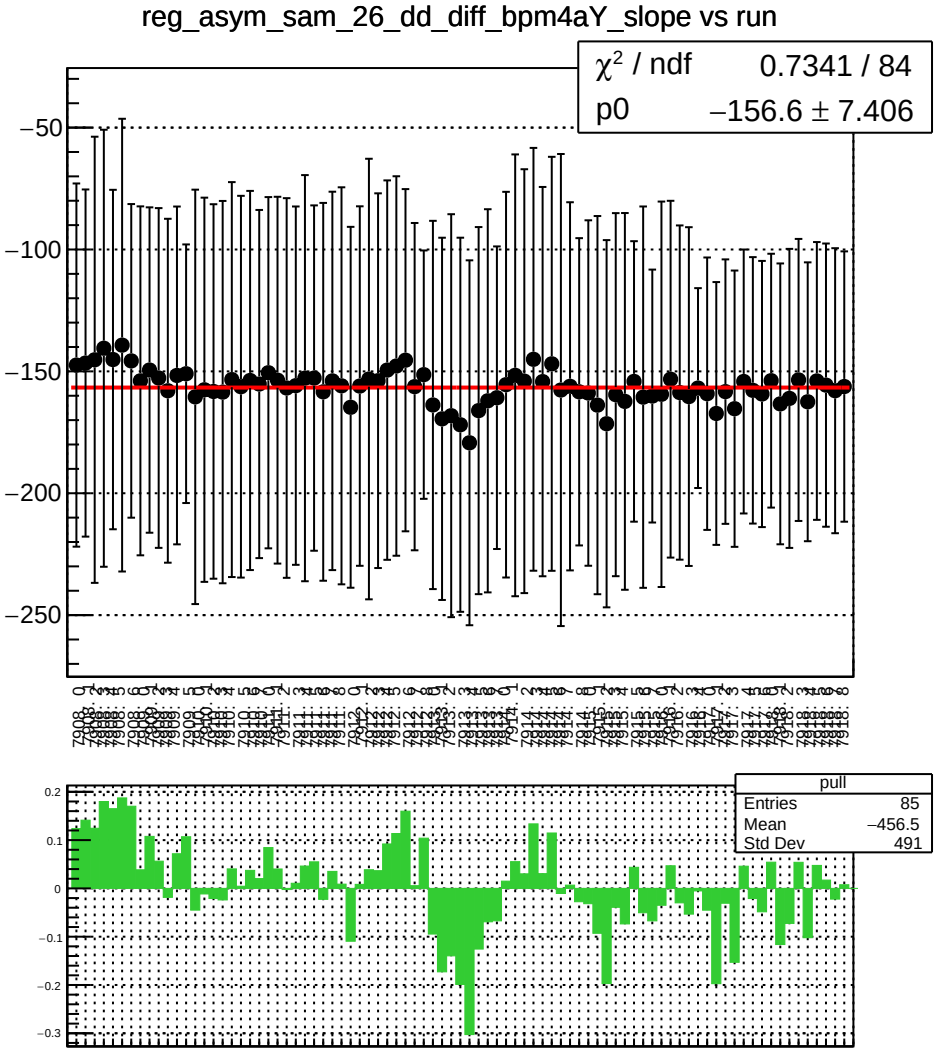

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.111 / 84
p0 −6.005 ± 4.163
pull
Entries 85
Mean −66.6
Std Dev 117.8

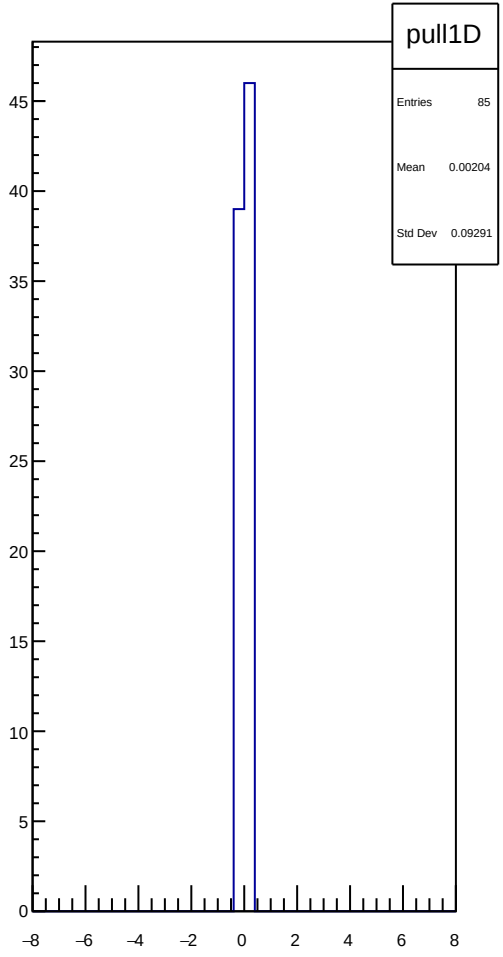

pull1D
Entries 85
Mean −0.02008
Std Dev 0.2444

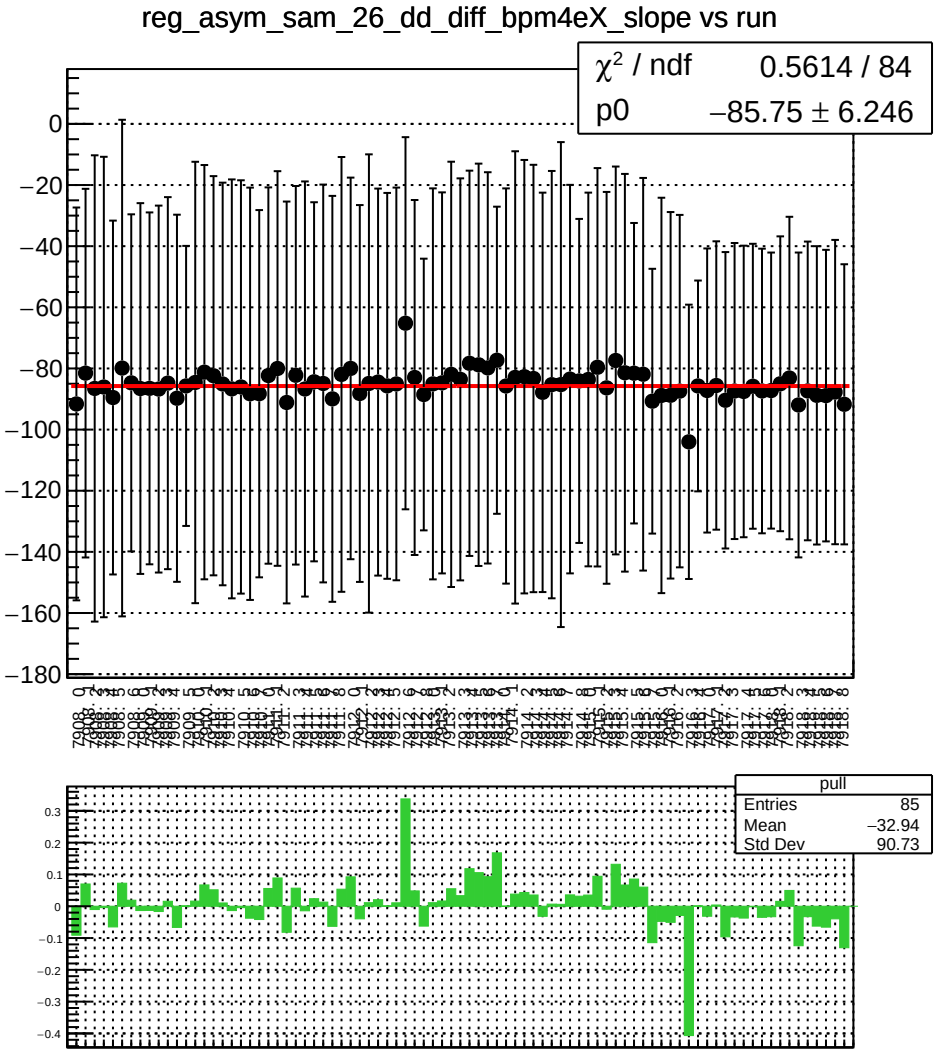

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 27.76 / 84
p0 −0.03054 ± 0.1246
pull
Entries 85
Mean −78.06
Std Dev 126.3

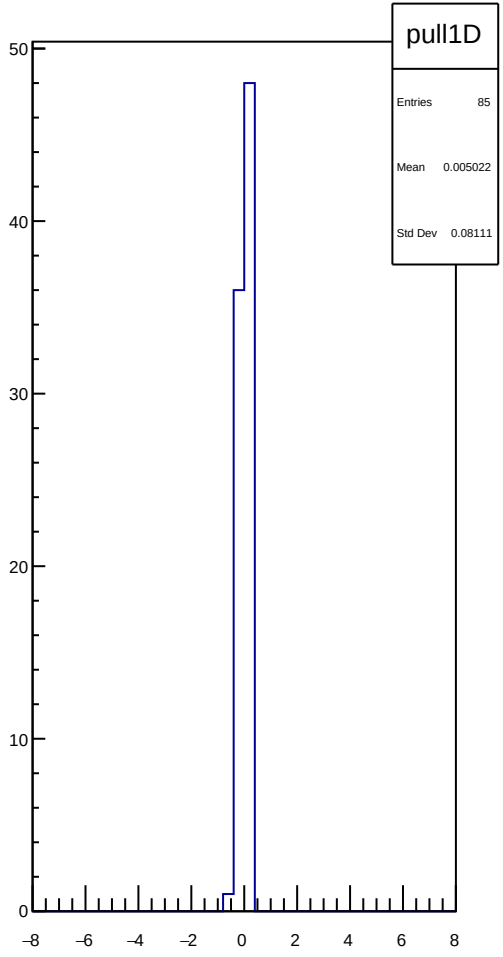

pull1D
Entries 85
Mean −0.07061
Std Dev 0.5671

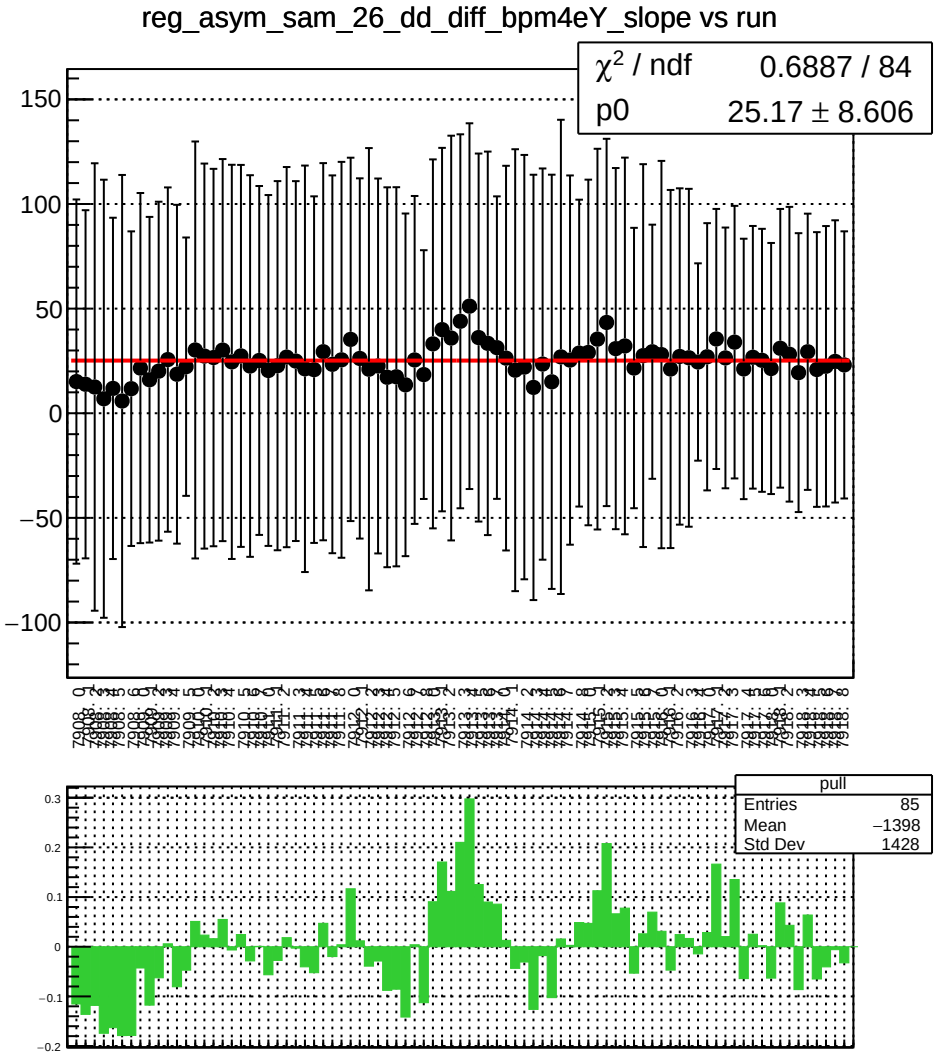

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.7649 / 84
p0 −61.32 ± 7.306
pull
Entries 85
Mean −47.09
Std Dev 97.46
pull1D
Entries 85
Mean −0.01039
Std Dev 0.09429

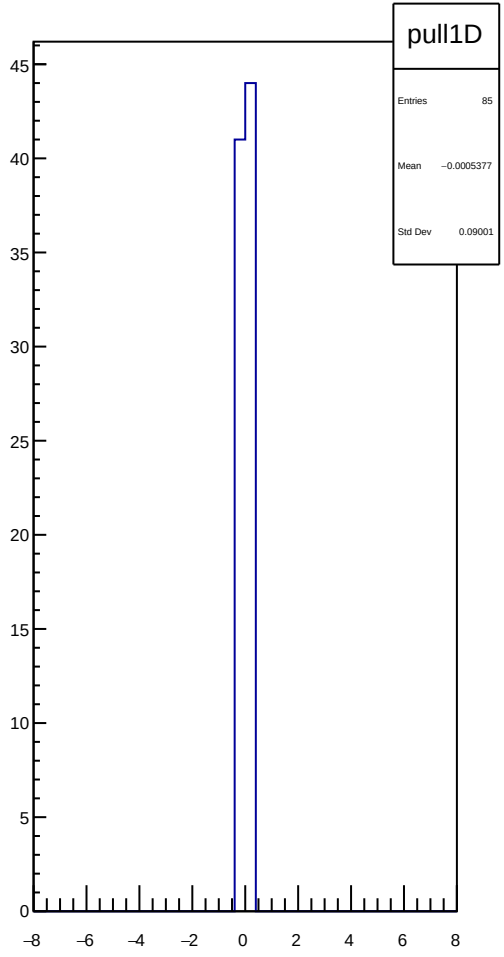

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7341 / 84
p0 −156.6 ± 7.406
pull
Entries 85
Mean −456.5
Std Dev 491

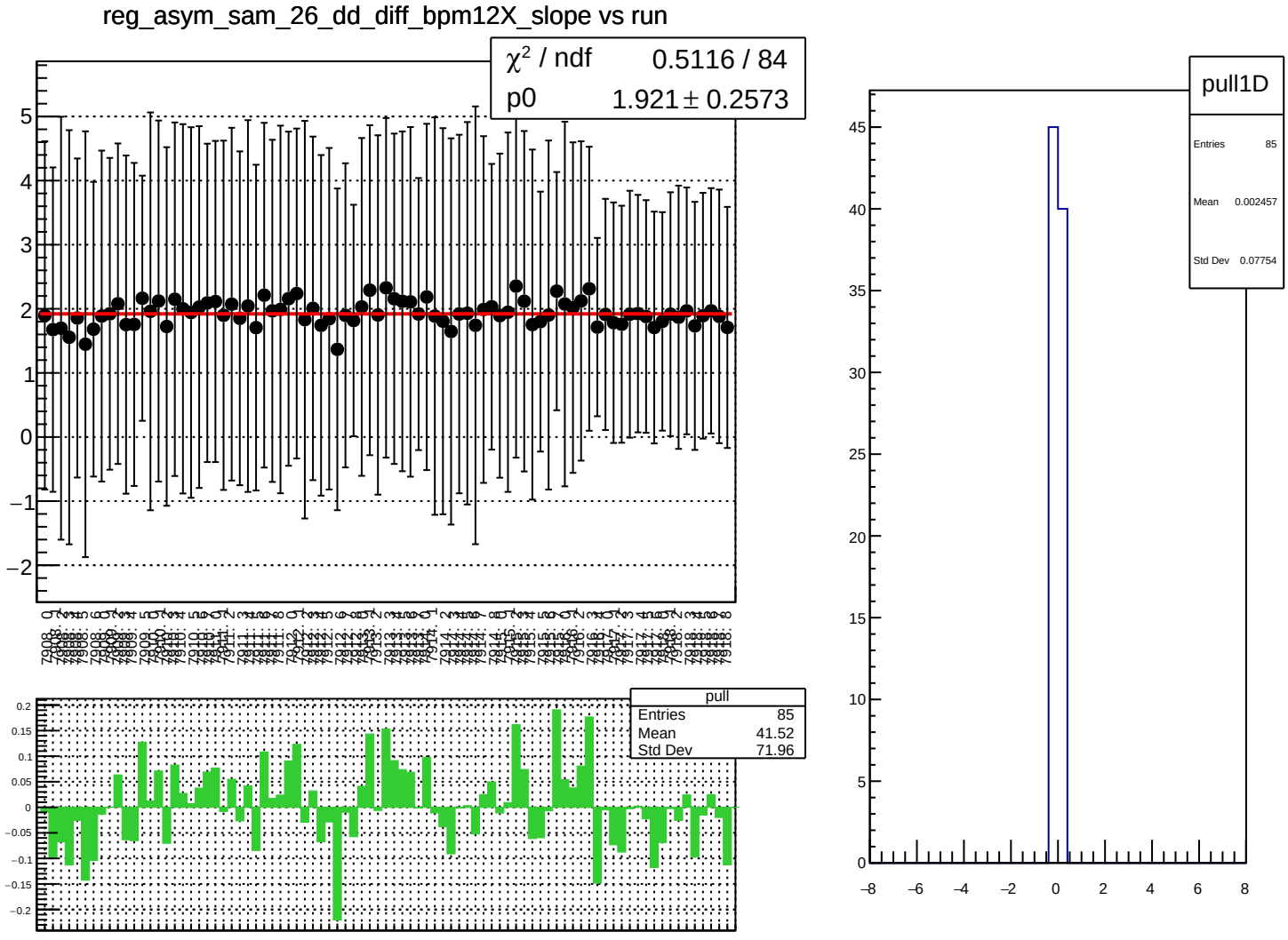

pull1D
Entries 85
Mean 0.00204
Std Dev 0.09291

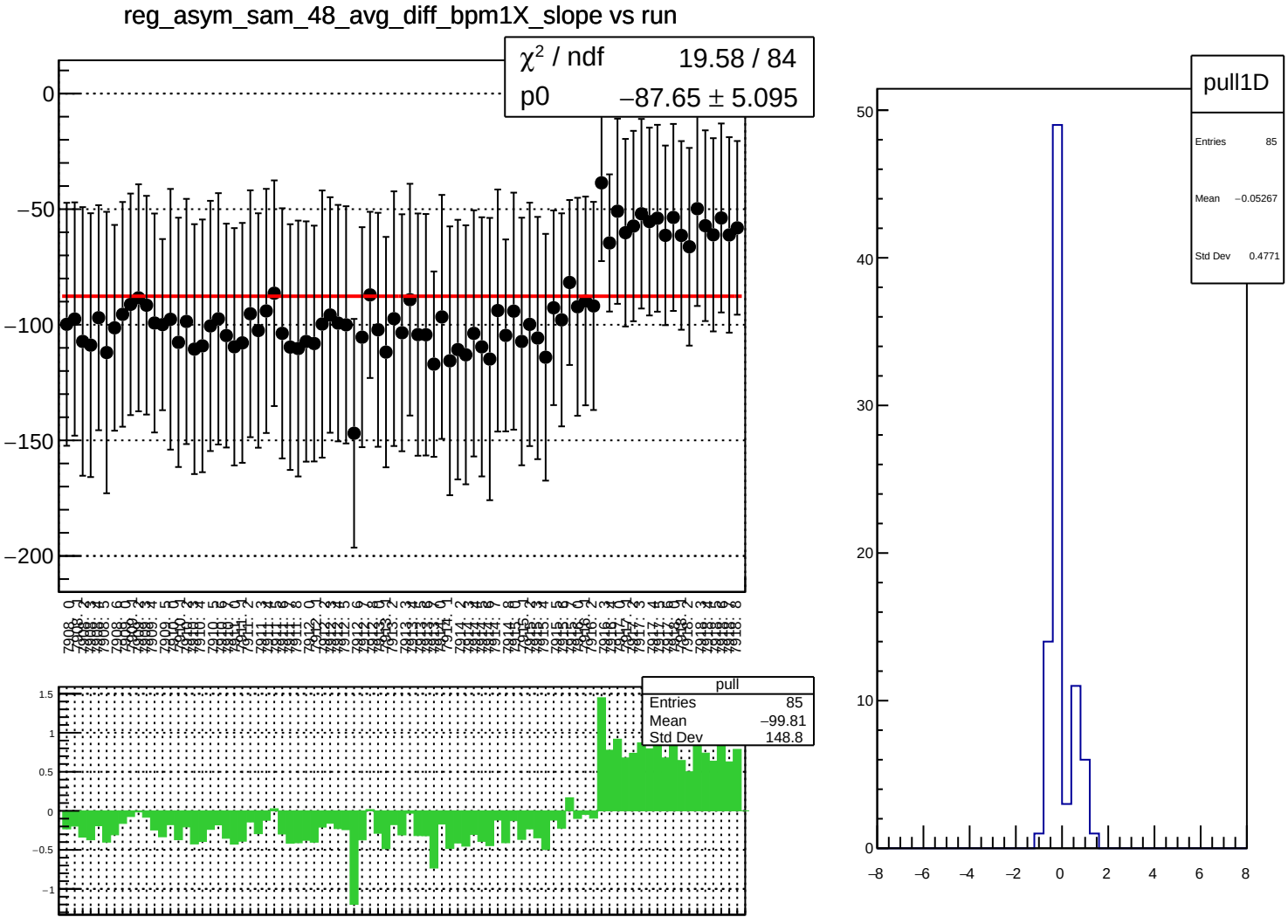

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5614 / 84
p0 −85.75 ± 6.246
pull
Entries 85
Mean −32.94
Std Dev 90.73

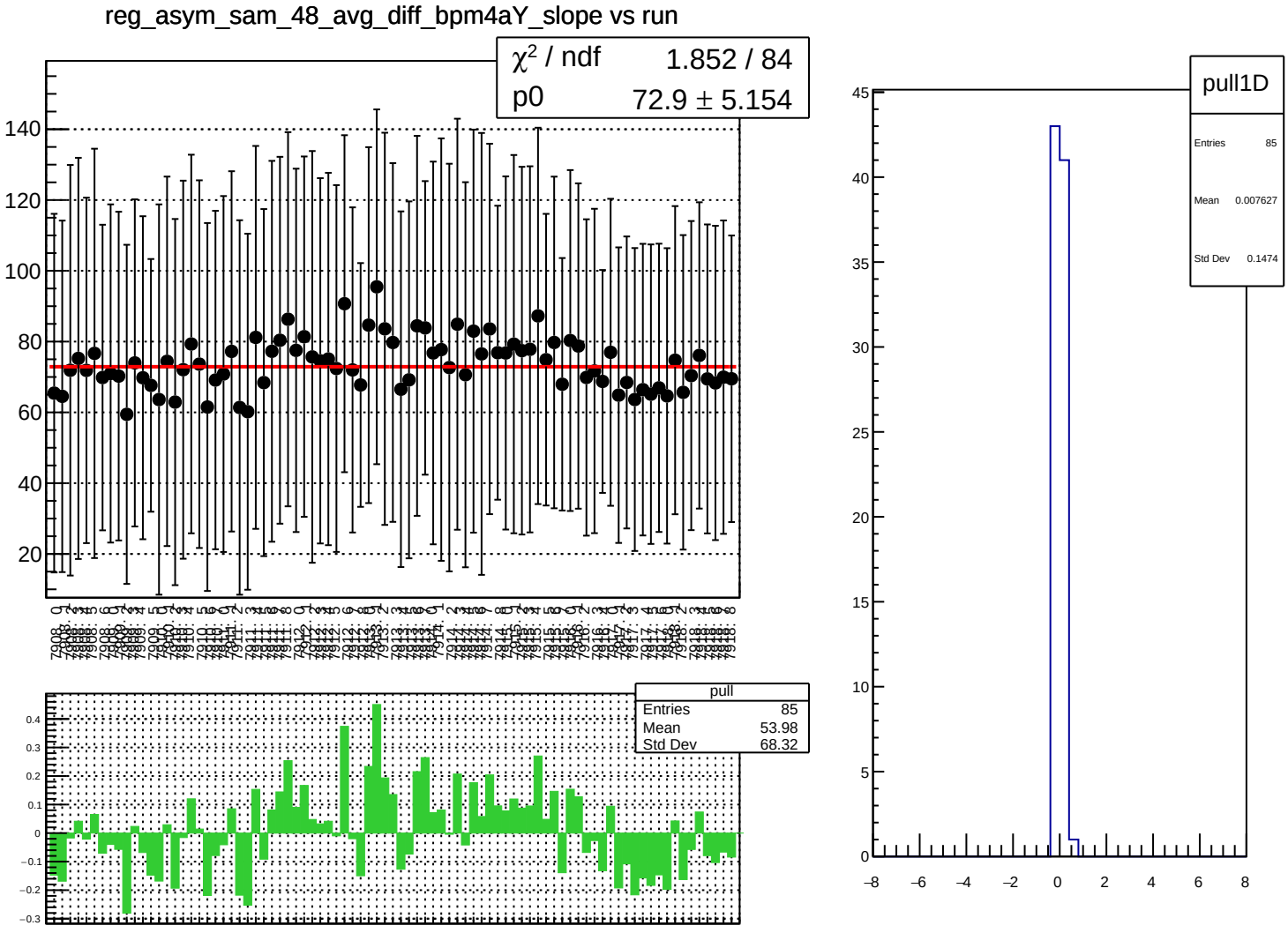

pull1D
Entries 85
Mean 0.005022
Std Dev 0.08111

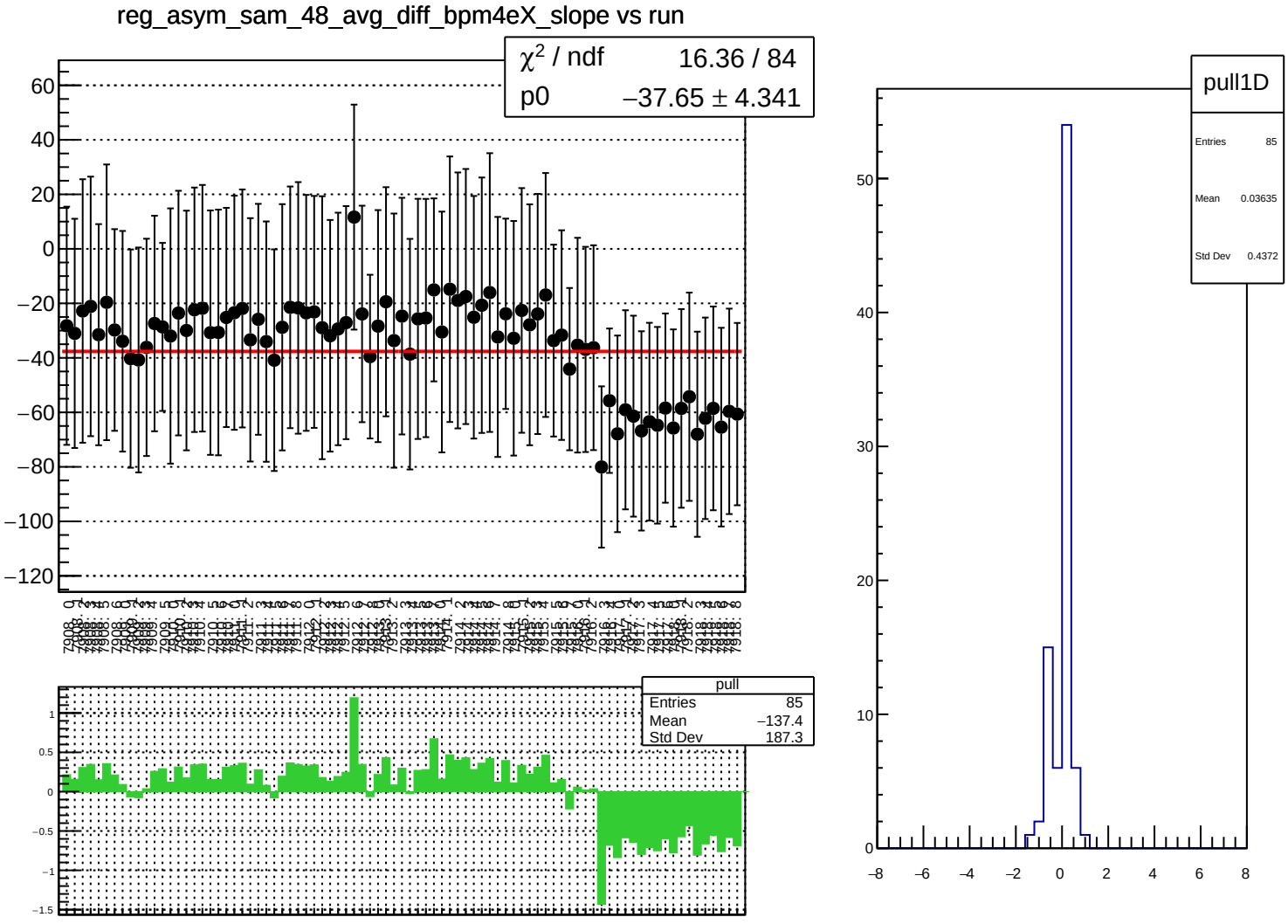

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.6887 / 84
p0 25.17 ± 8.606
150
100
50
0
−50
−100
pull
Entries 85
Mean −1398
Std Dev 1428
0.3
0.2
0.1
0
−0.1
−0.2

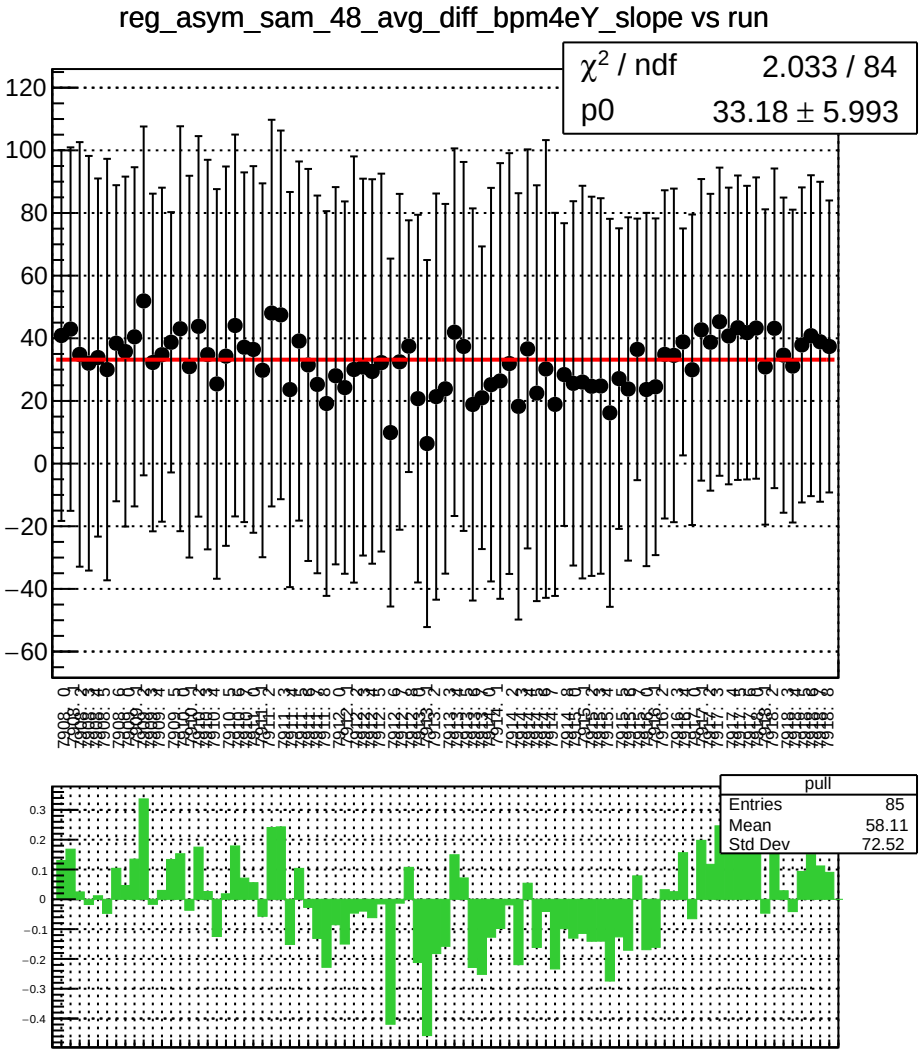

pull1D
Entries 85
Mean −0.0005377
Std Dev 0.09001
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

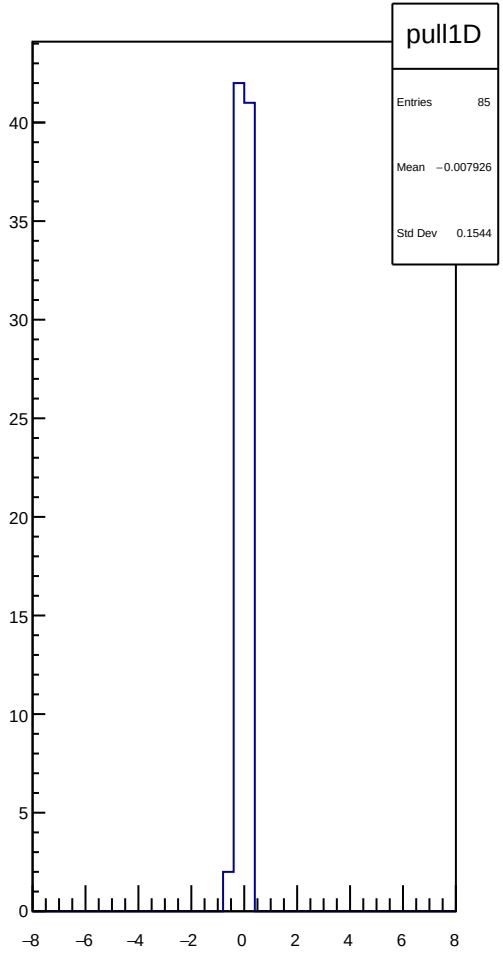

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 0.5116 / 84
p0 1.921 ± 0.2573
pull
Entries 85
Mean 41.52
Std Dev 71.96
pull1D
Entries 85
Mean 0.002457
Std Dev 0.07754

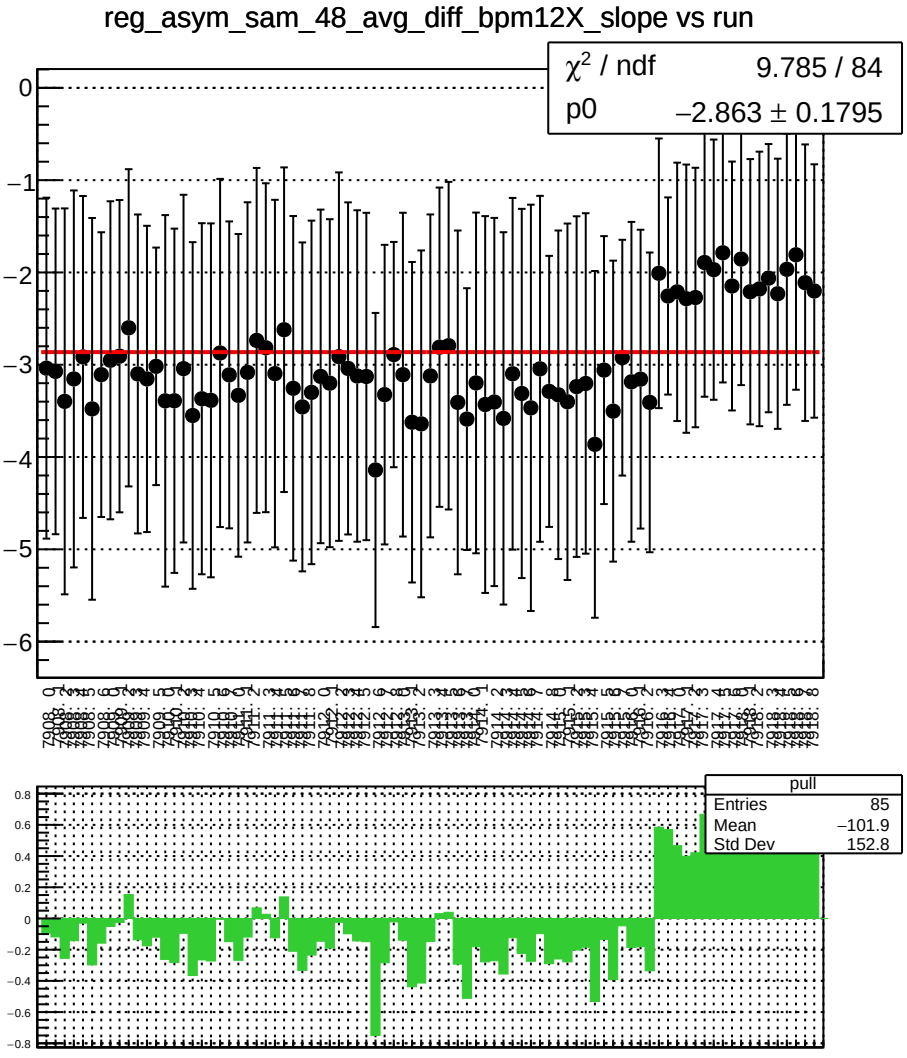

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 19.58 / 84
p0 −87.65 ± 5.095
pull
Entries 85
Mean −99.81
Std Dev 148.8
pull1D
Entries 85
Mean −0.05267
Std Dev 0.4771

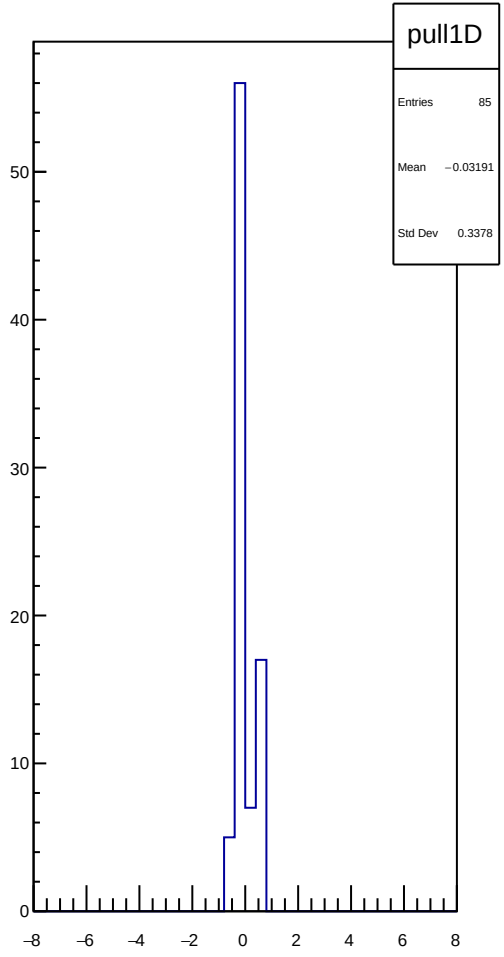

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.852 / 84
p0 72.9 ± 5.154
pull
Entries 85
Mean 53.98
Std Dev 68.32
pull1D
Entries 85
Mean 0.007627
Std Dev 0.1474

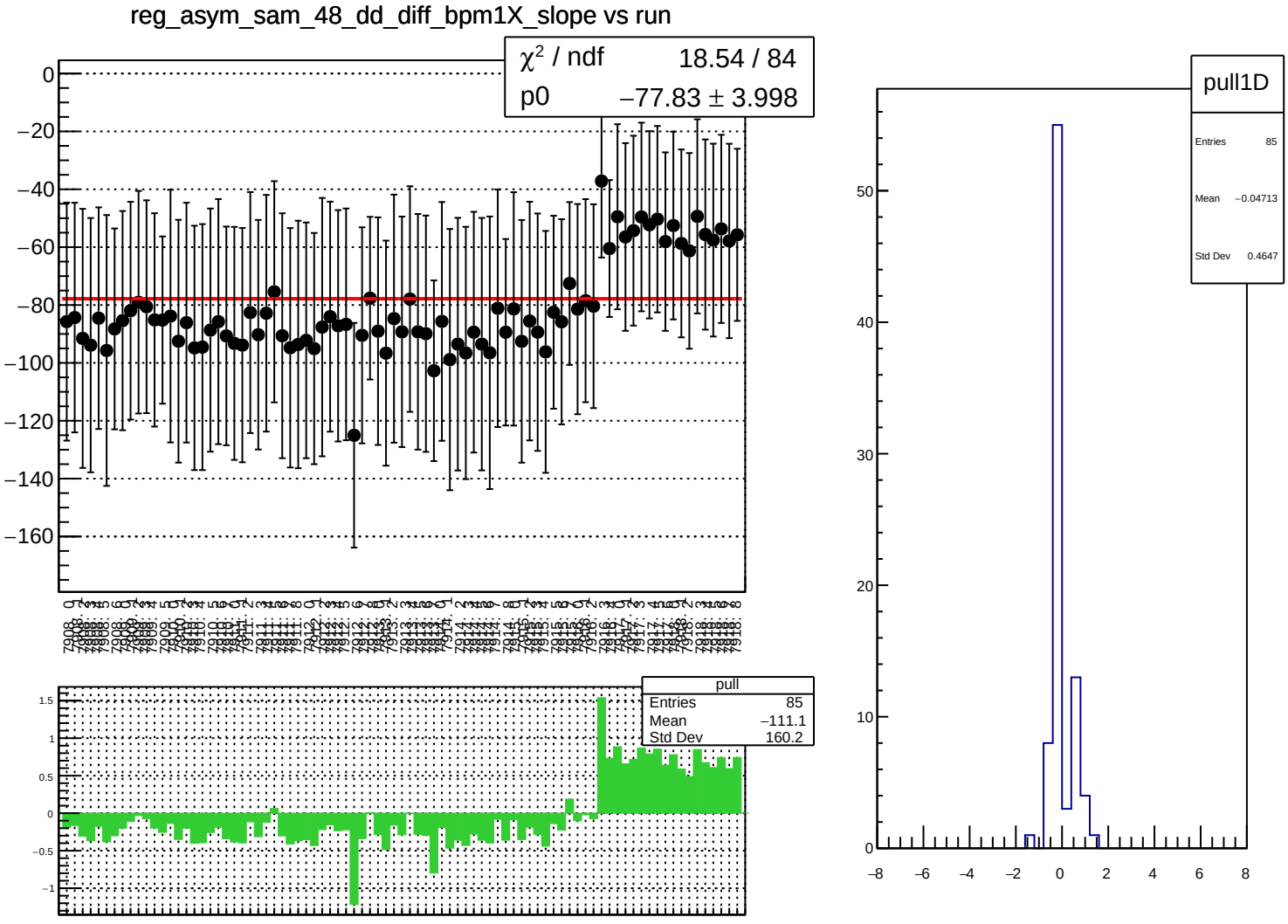

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.36 / 84
p0 −37.65 ± 4.341
pull
Entries 85
Mean −137.4
Std Dev 187.3
pull1D
Entries 85
Mean 0.03635
Std Dev 0.4372

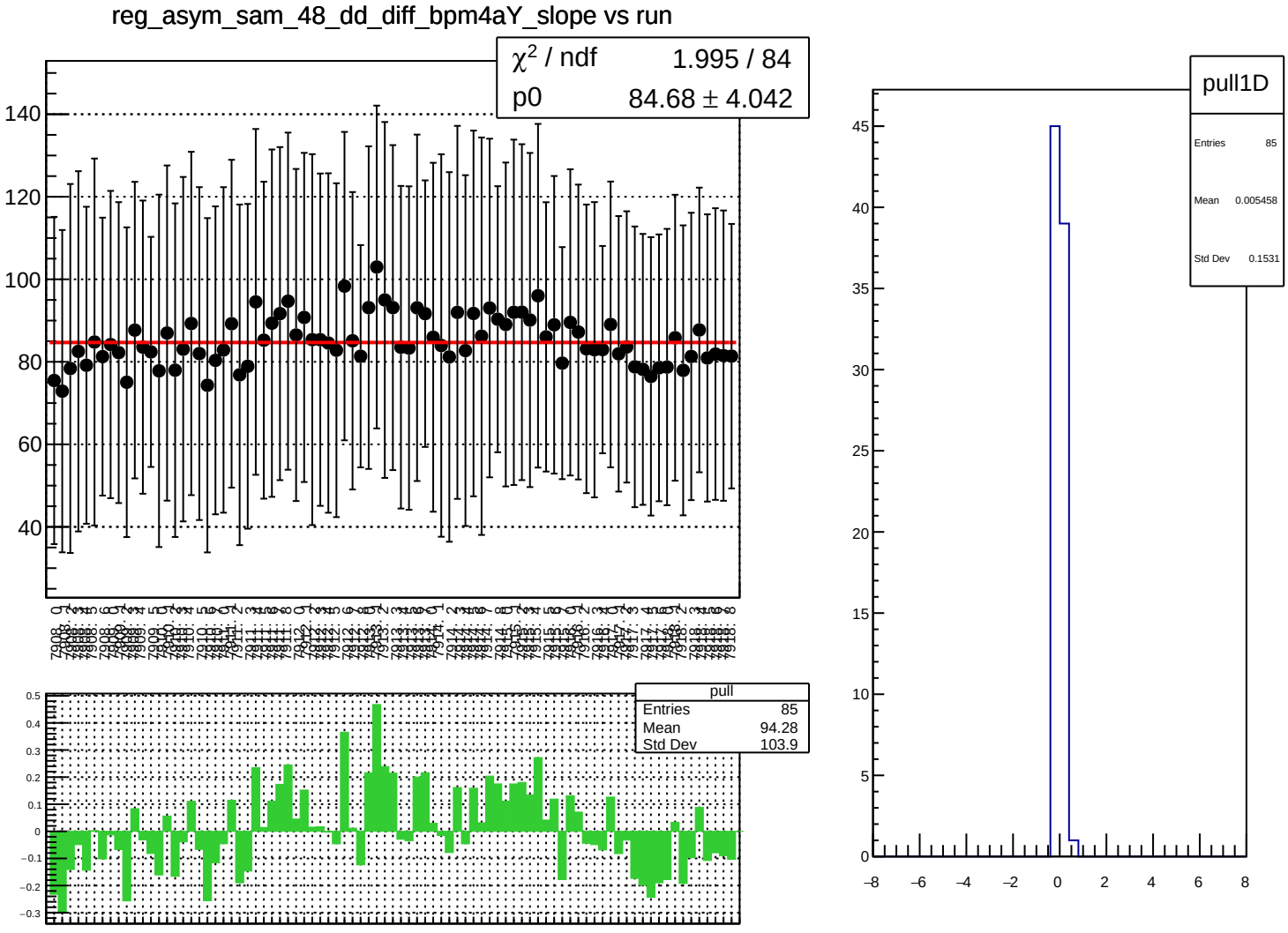

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.033 / 84
p0 33.18 ± 5.993
pull
Entries 85
Mean 58.11
Std Dev 72.52

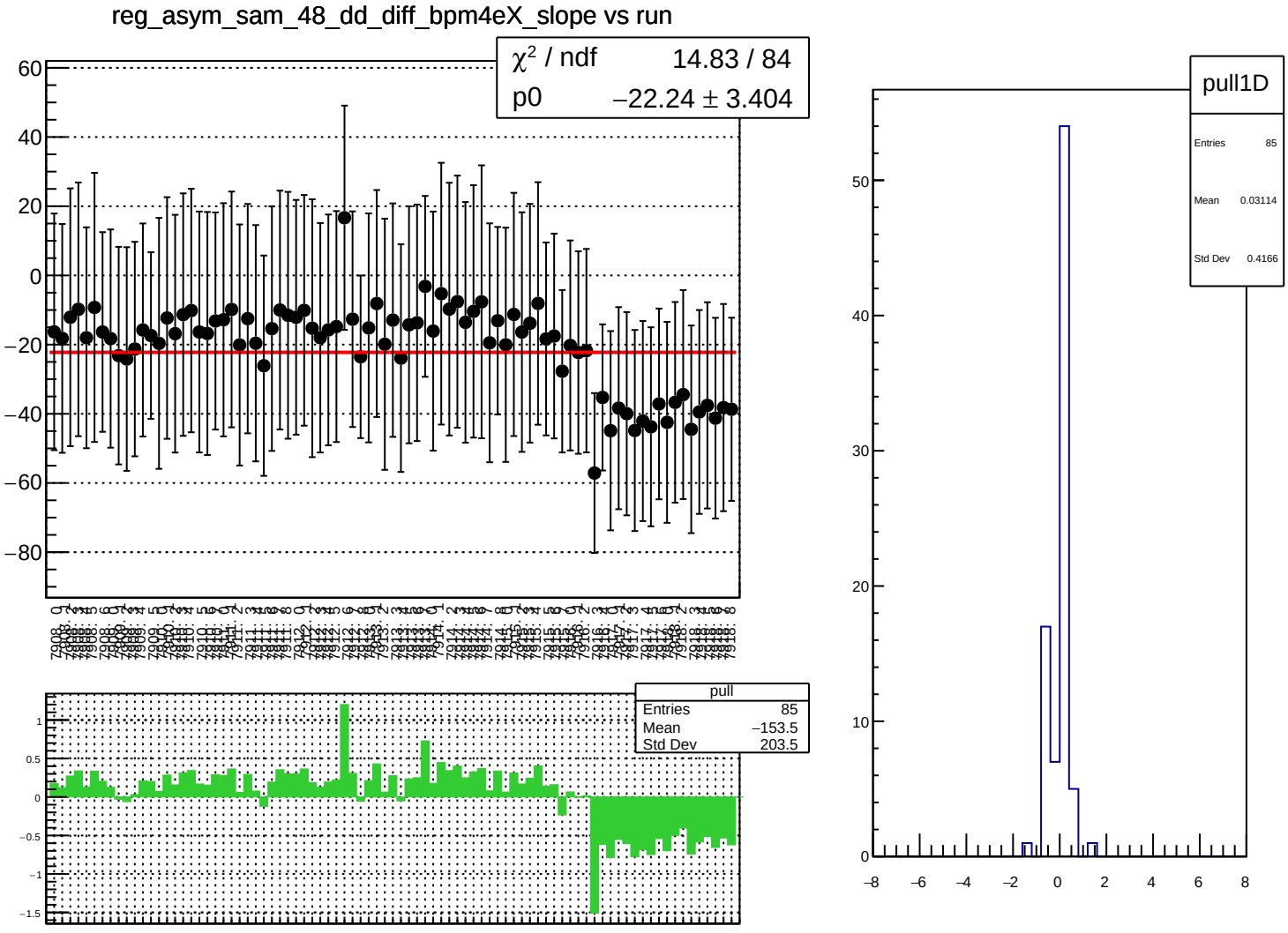

pull1D
Entries 85
Mean −0.007926
Std Dev 0.1544

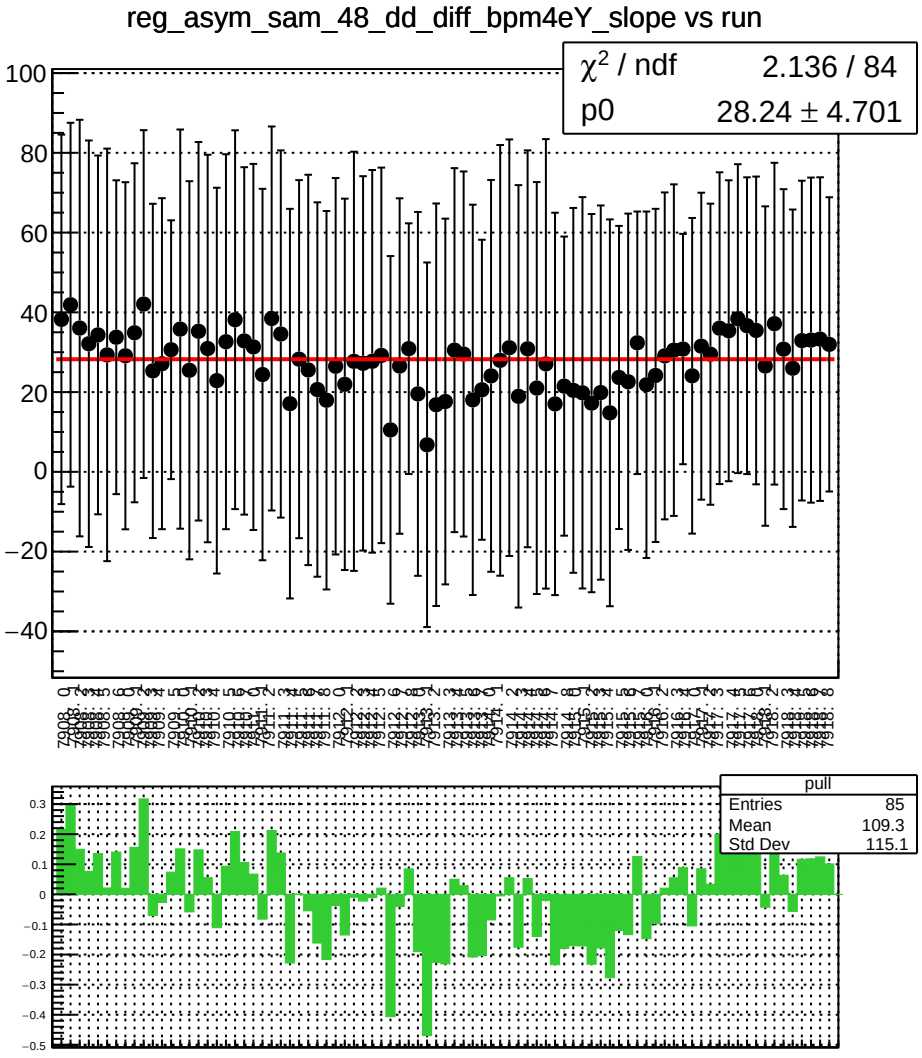

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 9.785 / 84
p0 −2.863 ± 0.1795
pull
Entries 85
Mean −101.9
Std Dev 152.8

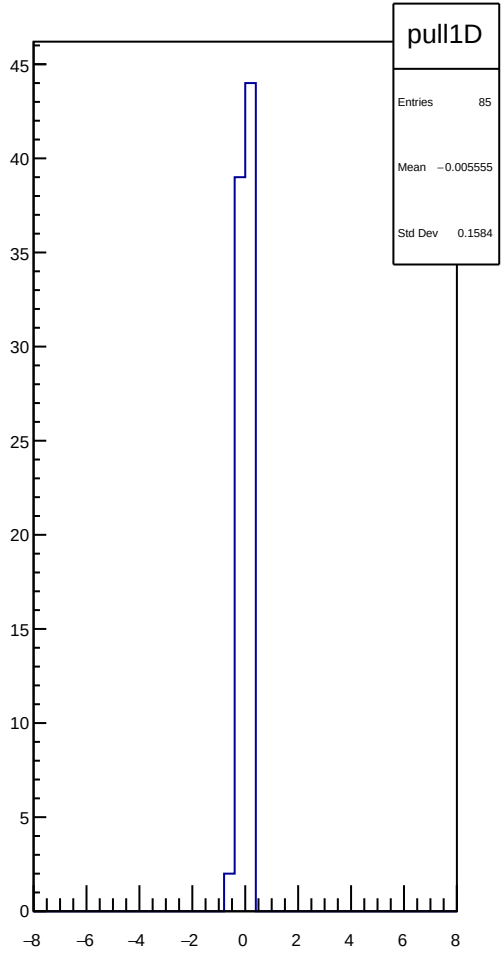

pull1D
Entries 85
Mean −0.03191
Std Dev 0.3378

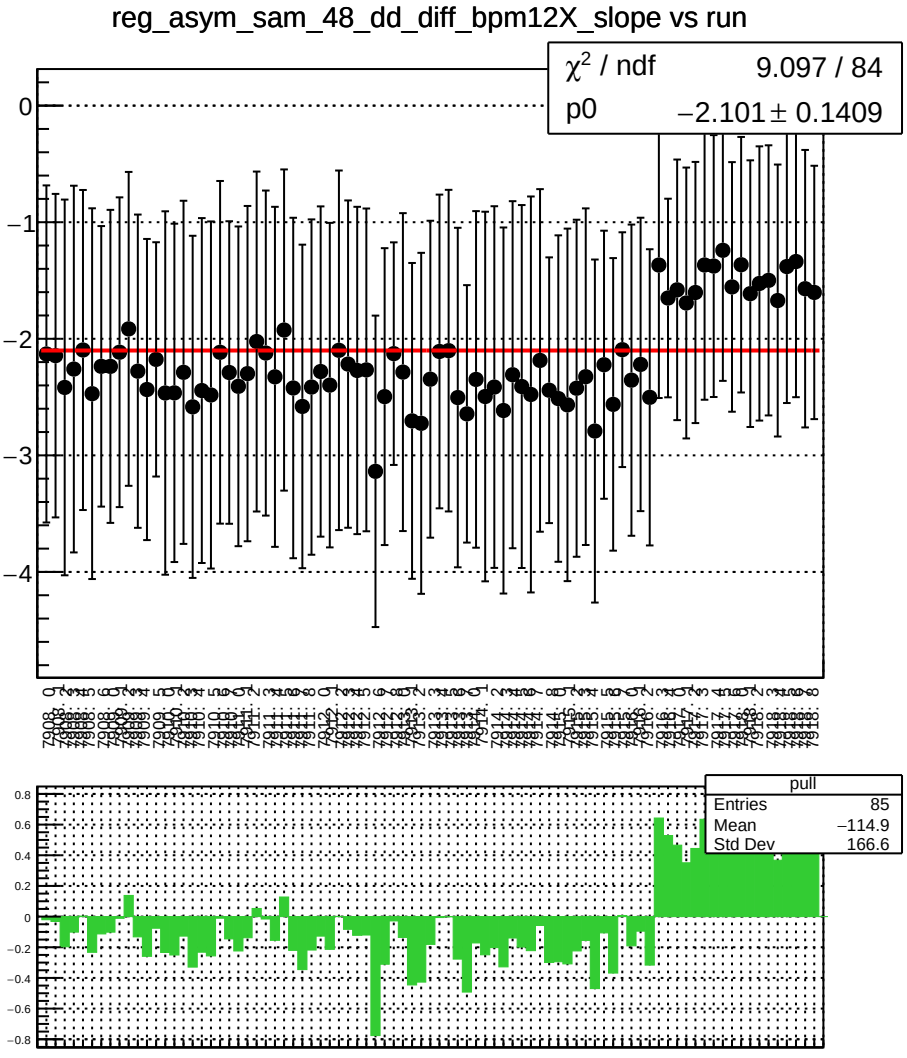

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 18.54 / 84
p0 −77.83 ± 3.998
pull
Entries 85
Mean −111.1
Std Dev 160.2
pull1D
Entries 85
Mean −0.04713
Std Dev 0.4647

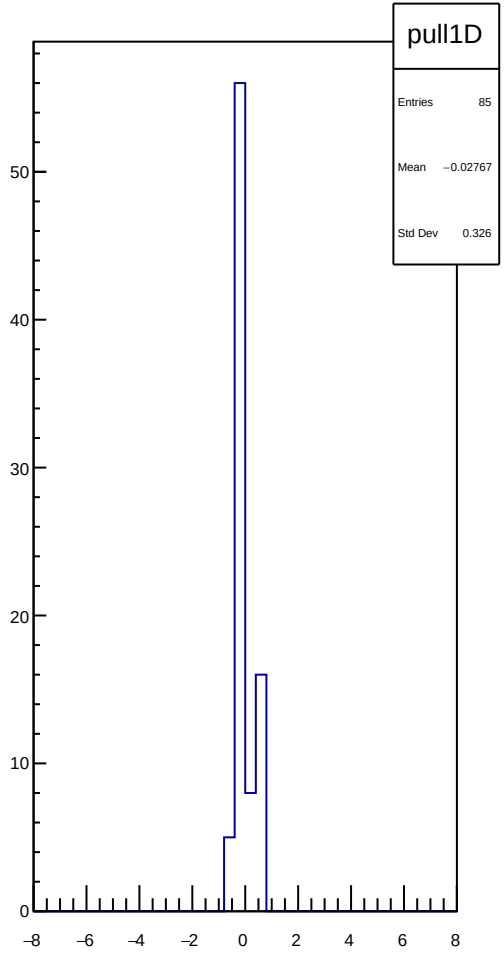

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 1.995 / 84
p0 84.68 ± 4.042
pull
Entries 85
Mean 94.28
Std Dev 103.9
pull1D
Entries 85
Mean 0.005458
Std Dev 0.1531

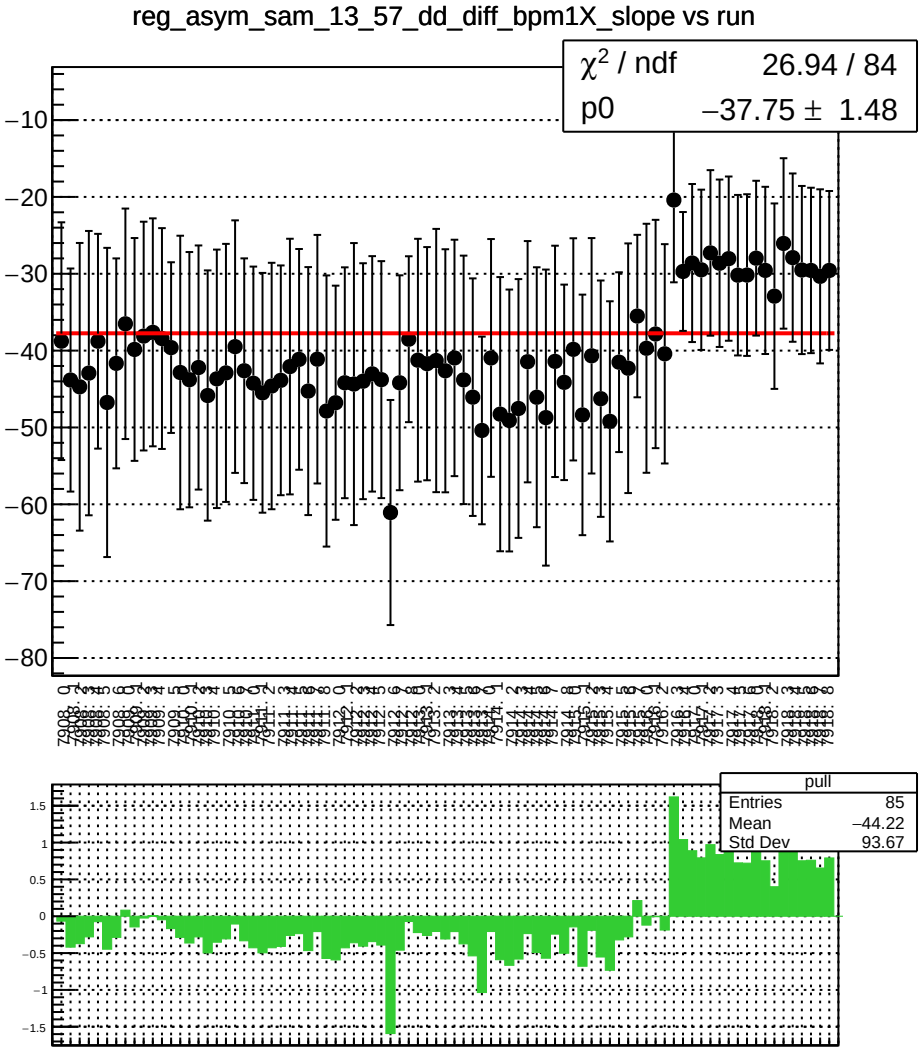

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.83 / 84
p0 −22.24 ± 3.404
pull
Entries 85
Mean −153.5
Std Dev 203.5
pull1D
Entries 85
Mean 0.03114
Std Dev 0.4166

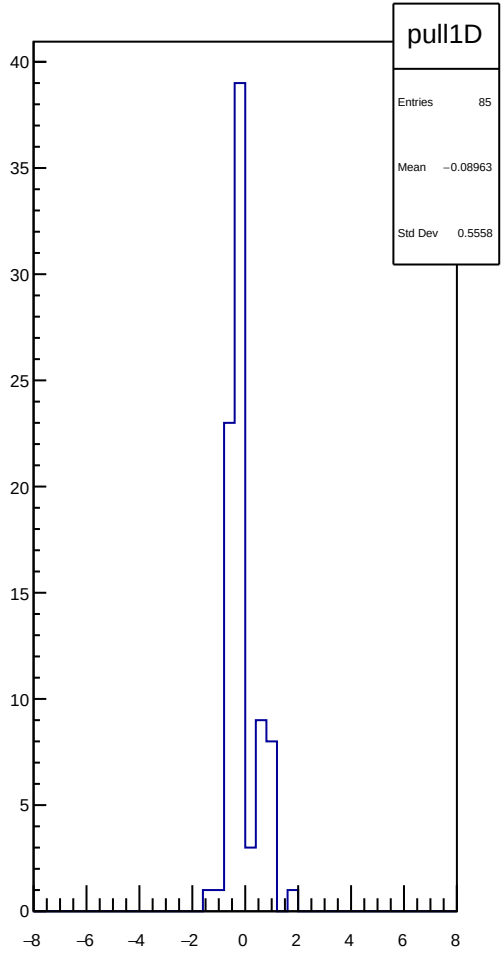

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.136 / 84
p0 28.24 ± 4.701
pull
Entries 85
Mean 109.3
Std Dev 115.1

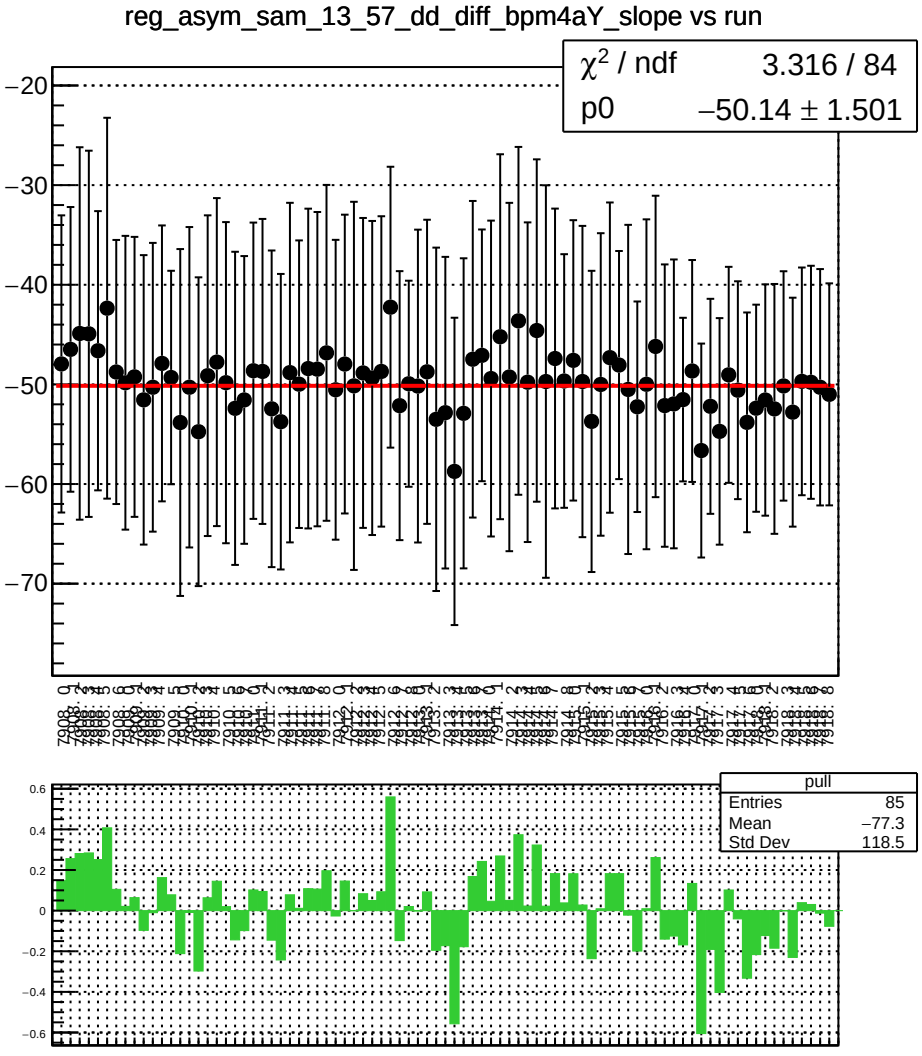

pull1D
Entries 85
Mean −0.005555
Std Dev 0.1584

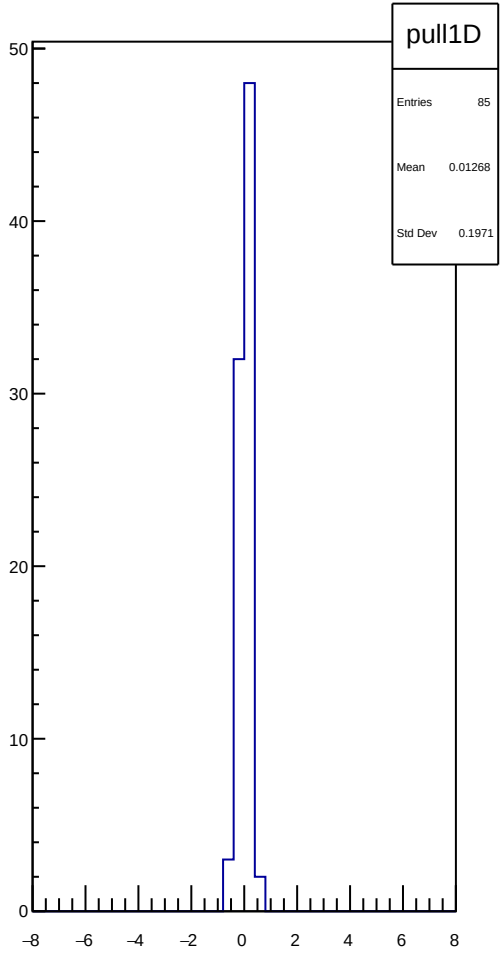

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.097 / 84
p0 −2.101 ± 0.1409
pull
Entries 85
Mean −114.9
Std Dev 166.6

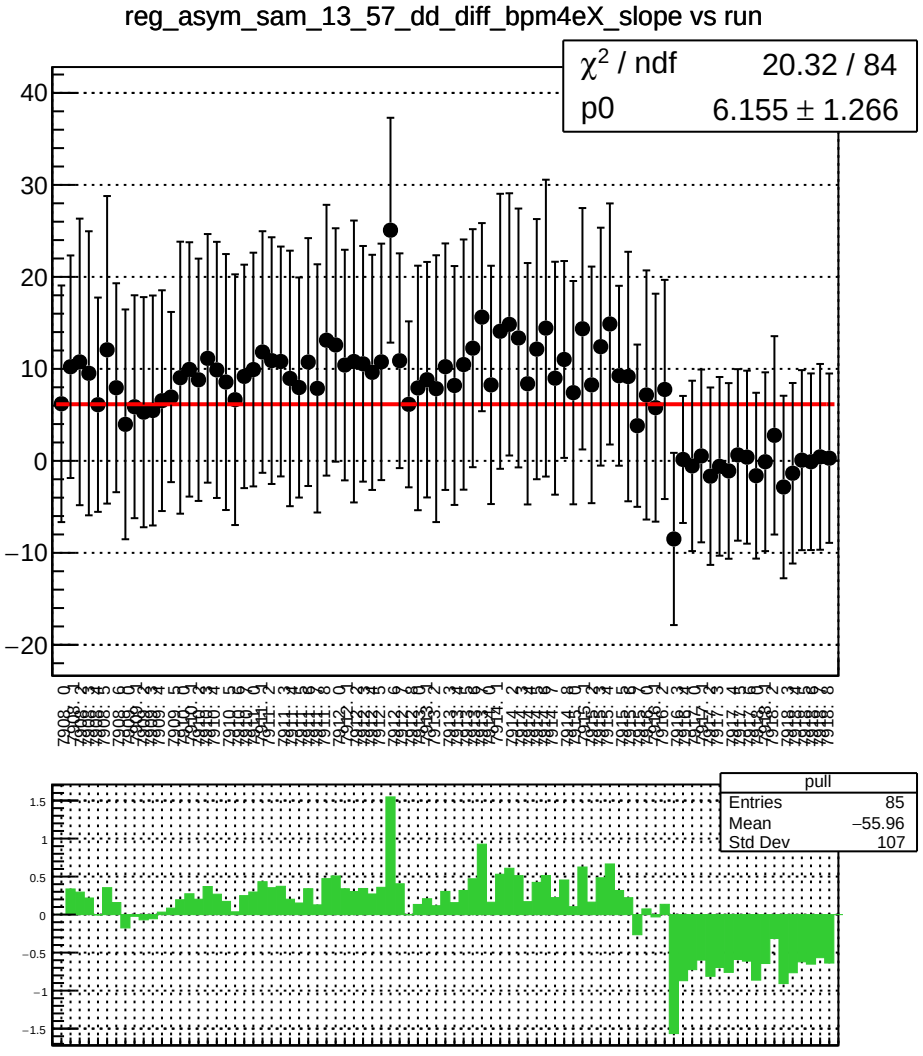

pull1D
Entries 85
Mean −0.02767
Std Dev 0.326

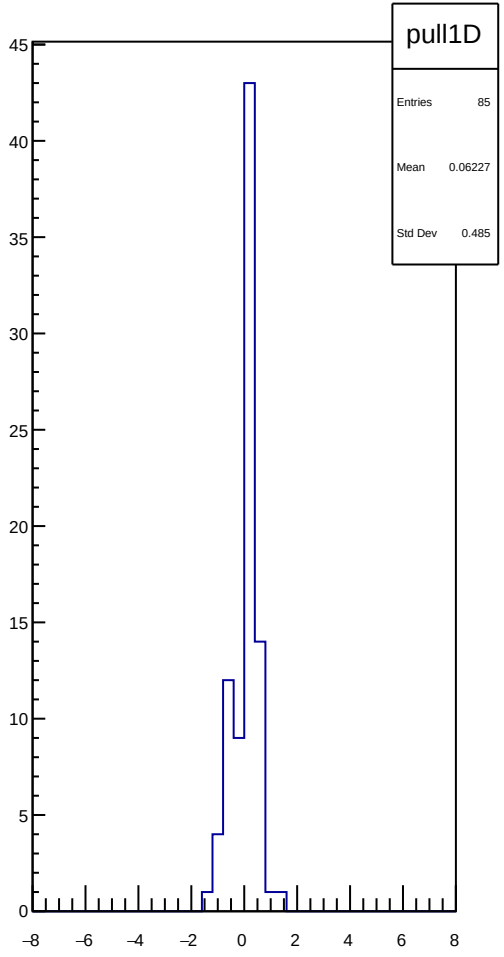

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 26.94 / 84
p0 −37.75 ± 1.48
pull
Entries 85
Mean −44.22
Std Dev 93.67

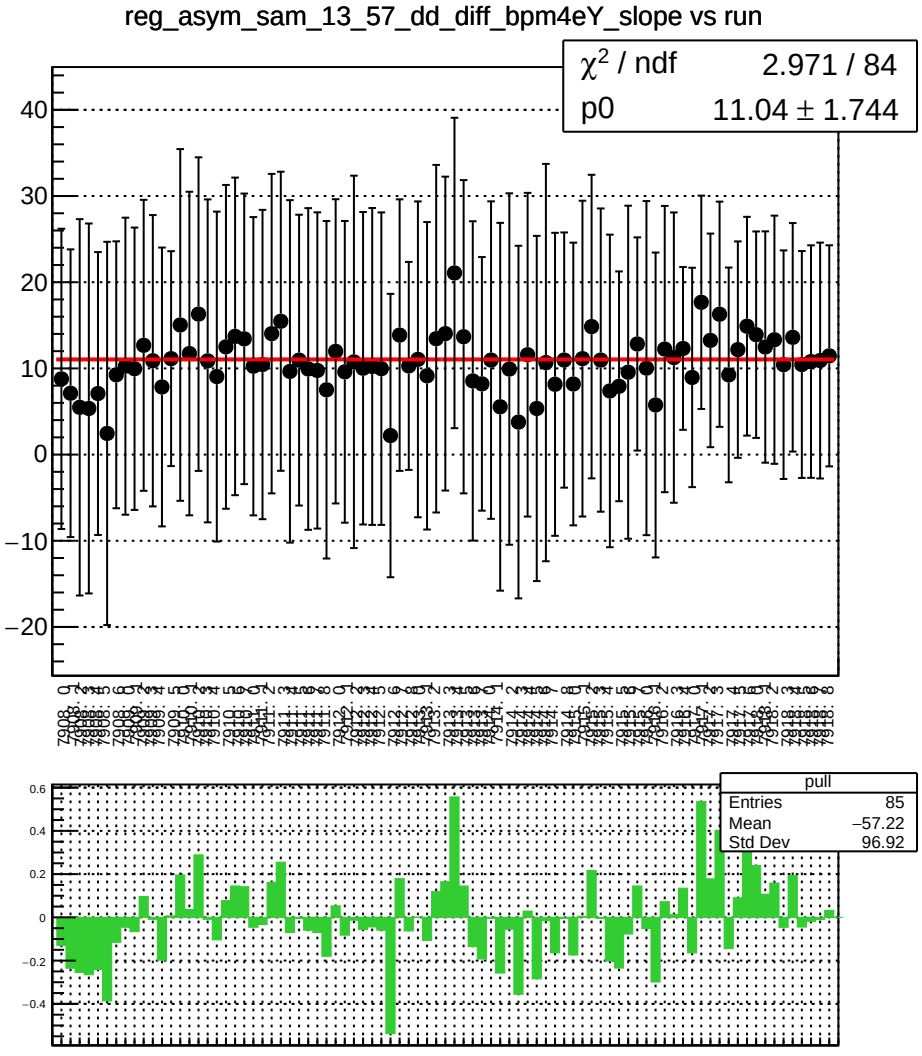

pull1D
Entries 85
Mean −0.08963
Std Dev 0.5558

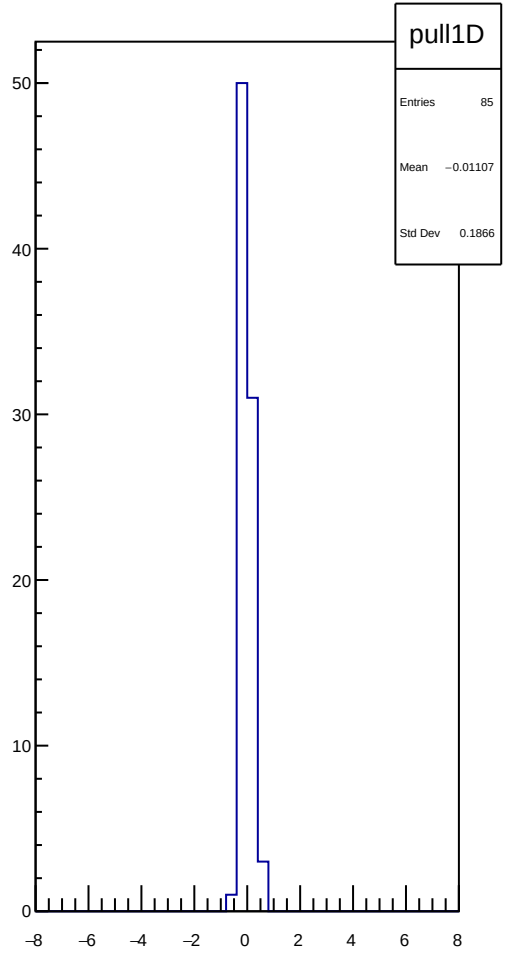

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.316 / 84
p0 −50.14 ± 1.501
pull
Entries 85
Mean −77.3
Std Dev 118.5

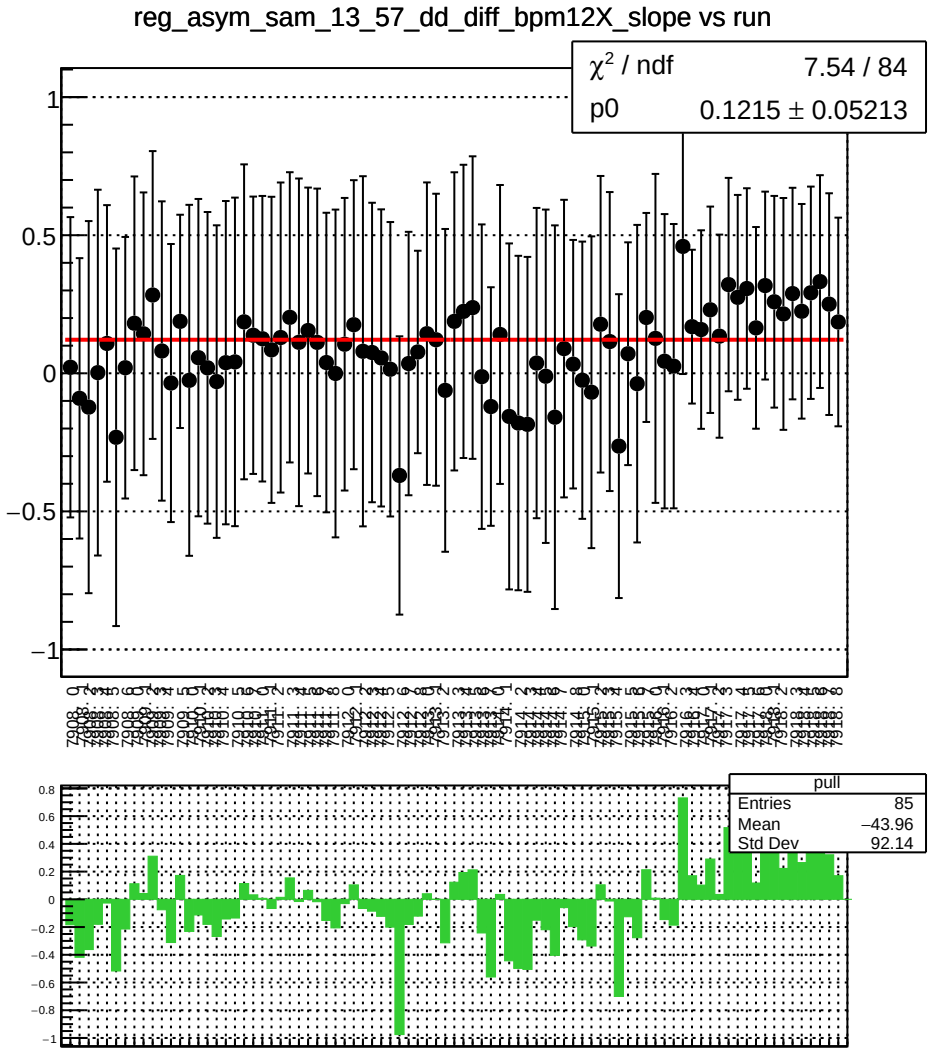

pull1D
Entries 85
Mean 0.01268
Std Dev 0.1971

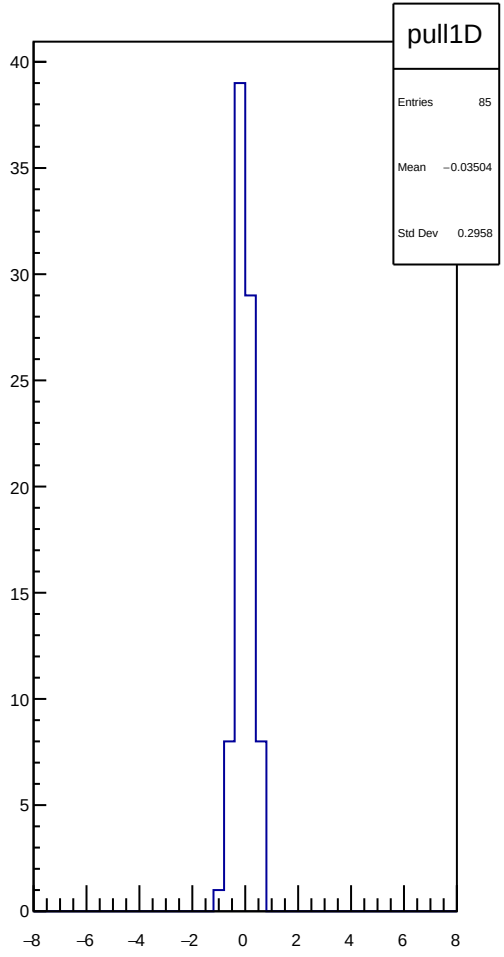

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 20.32 / 84
p0 6.155 ± 1.266
pull
Entries 85
Mean −55.96
Std Dev 107

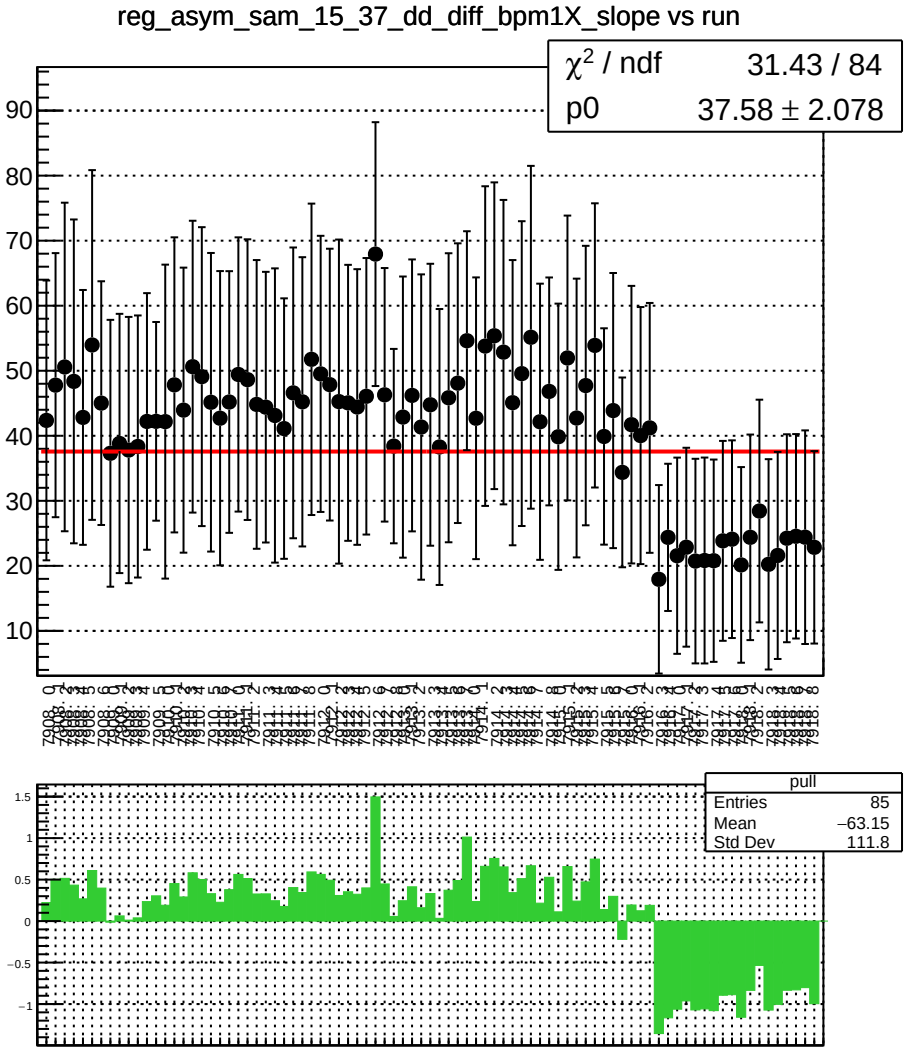

pull1D
Entries 85
Mean 0.06227
Std Dev 0.485

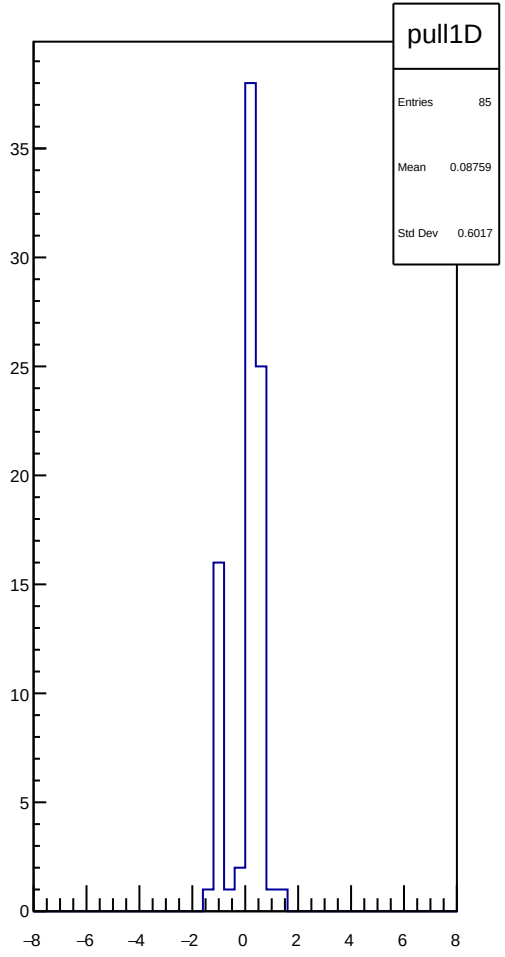

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.971 / 84
p0 11.04 ± 1.744
pull
Entries 85
Mean −57.22
Std Dev 96.92

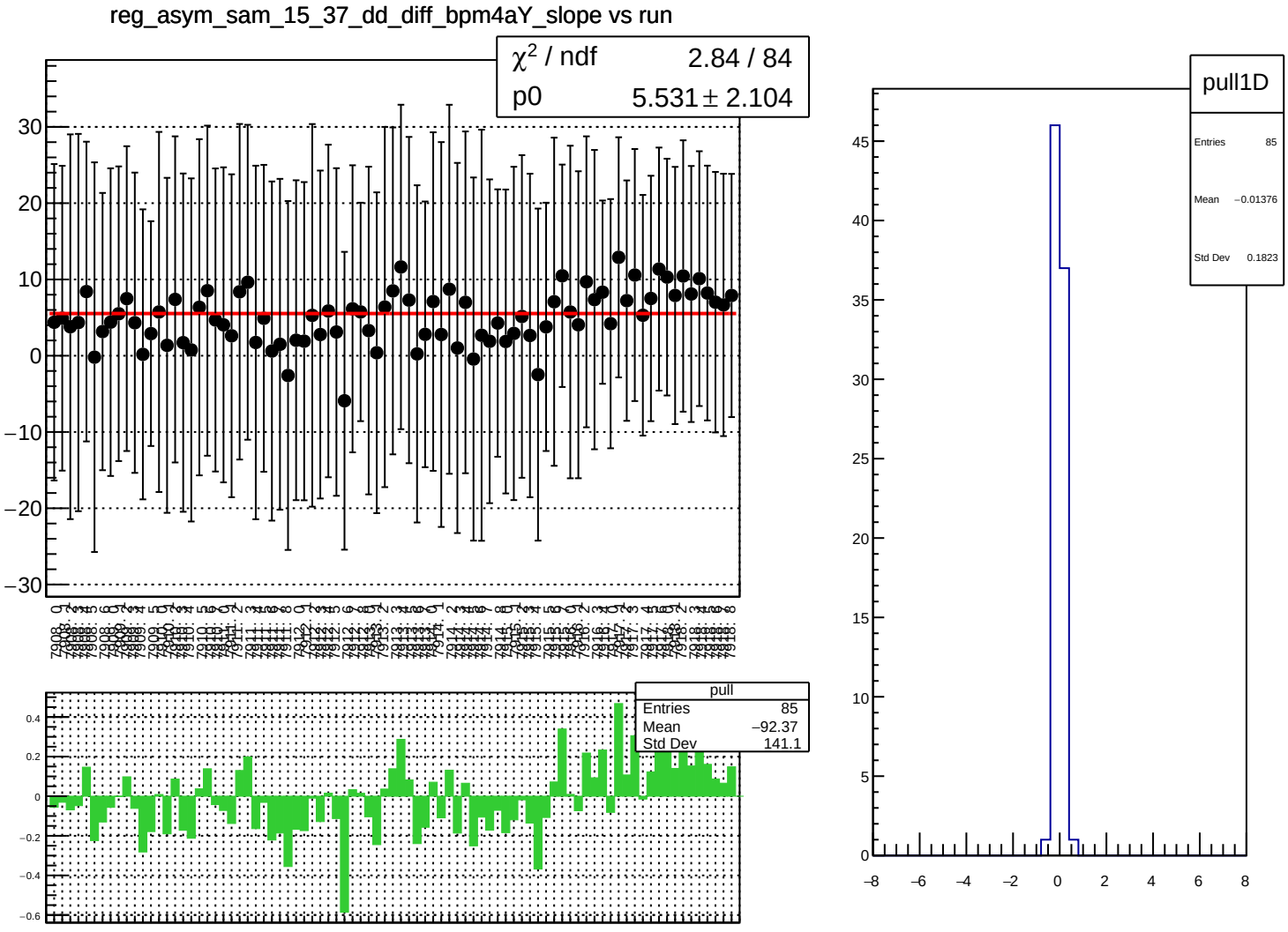

pull1D
Entries 85
Mean −0.01107
Std Dev 0.1866

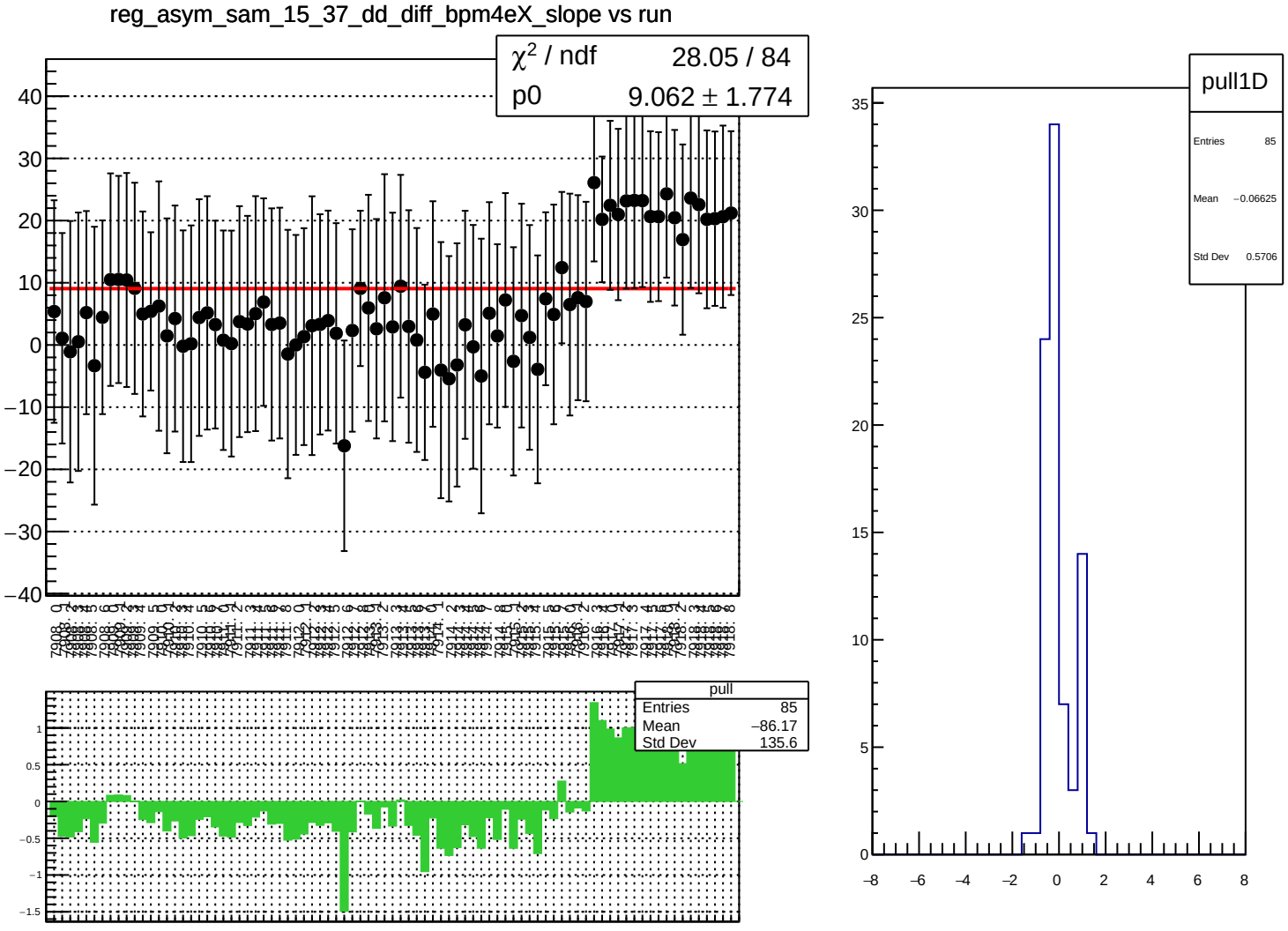

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.54 / 84
p0 0.1215 ± 0.05213
pull
Entries 85
Mean −43.96
Std Dev 92.14

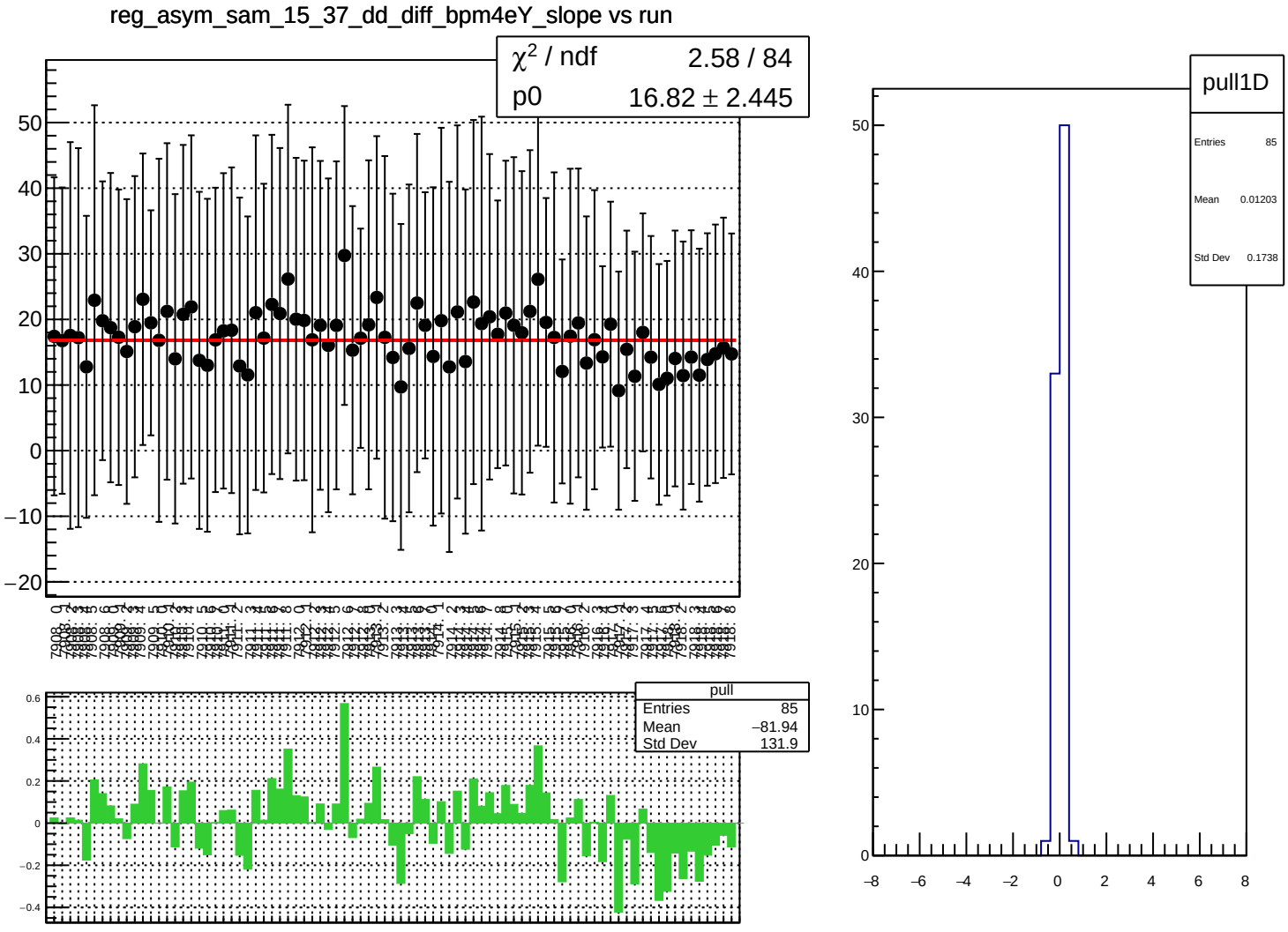

pull1D
Entries 85
Mean −0.03504
Std Dev 0.2958

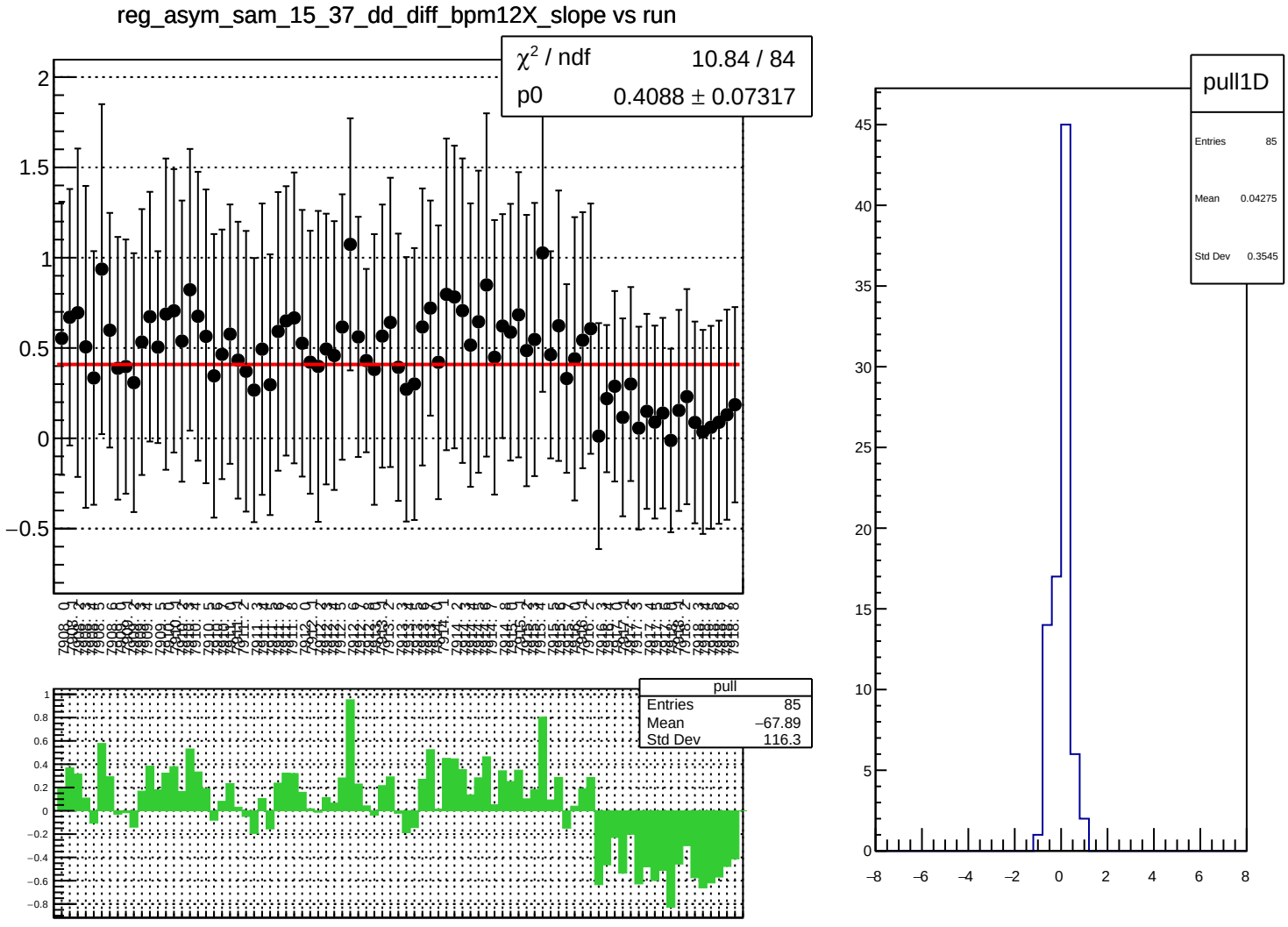

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 31.43 / 84
p0 37.58 ± 2.078
pull
Entries 85
Mean −63.15
Std Dev 111.8

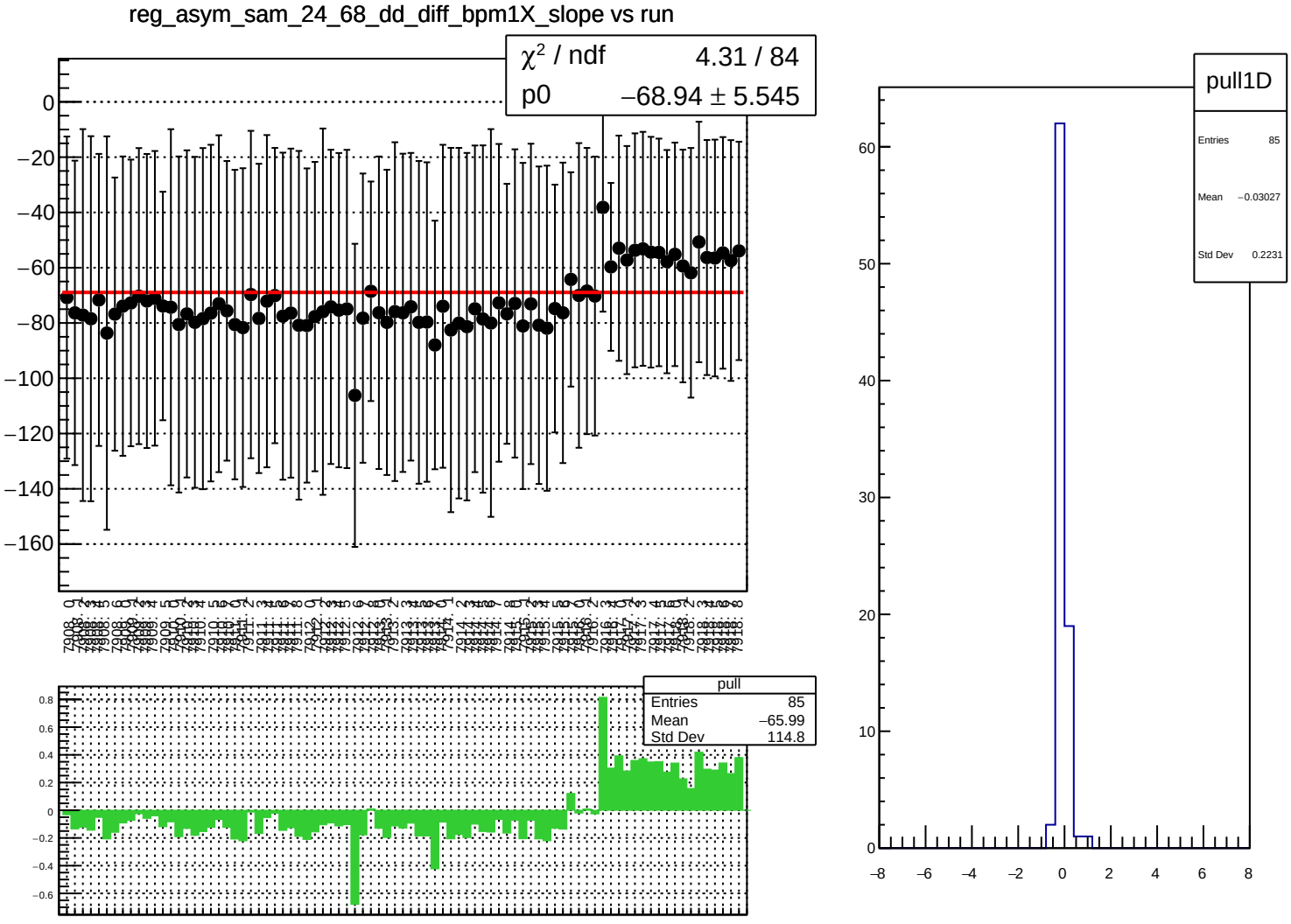

pull1D
Entries 85
Mean 0.08759
Std Dev 0.6017

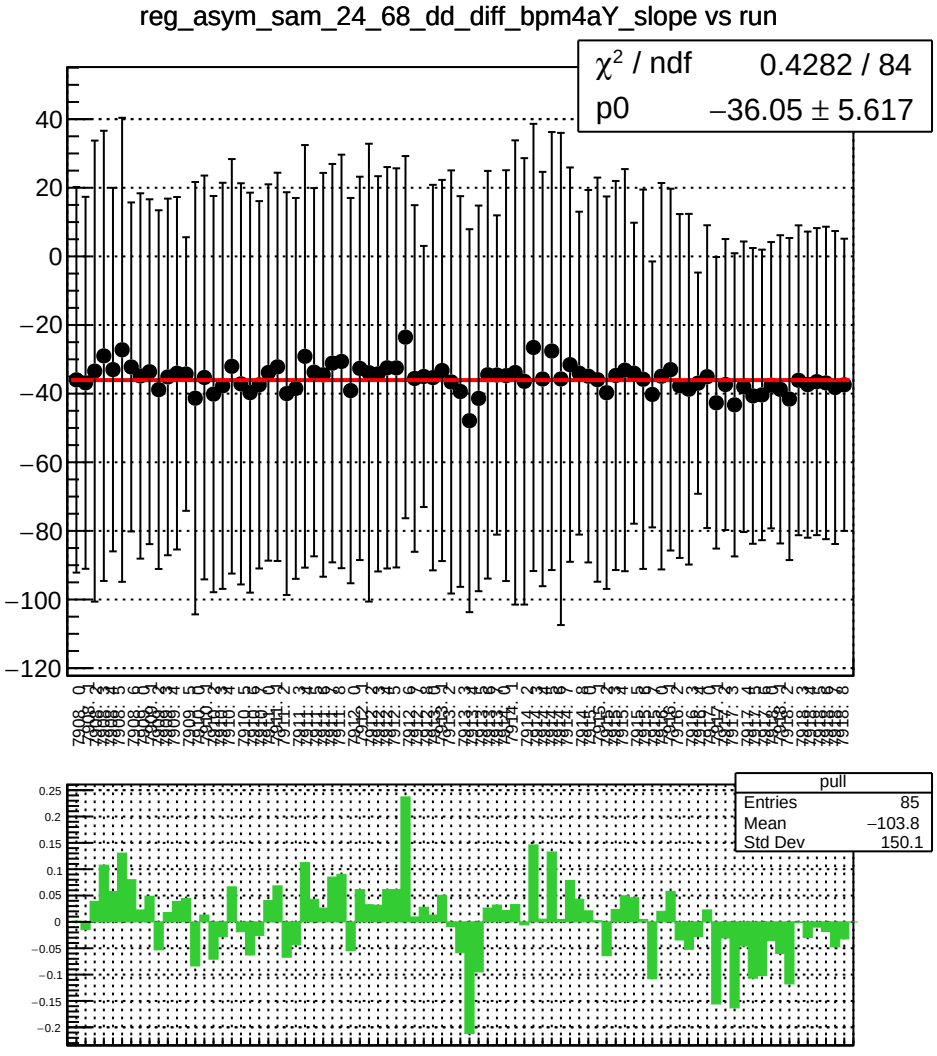

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ2 / ndf 2.84 / 84
p0 5.531 ± 2.104
pull
Entries 85
Mean −92.37
Std Dev 141.1
pull1D
Entries 85
Mean −0.01376
Std Dev 0.1823

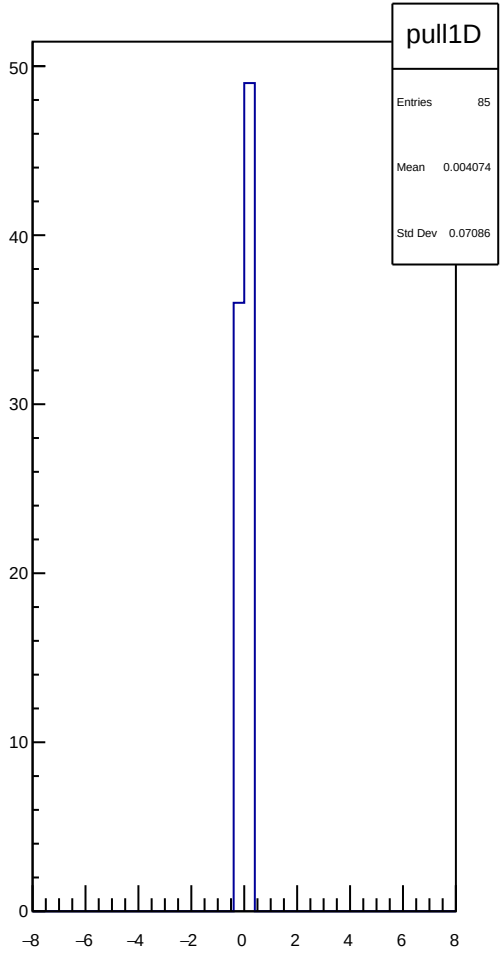

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.05 / 84
p0 9.062 ± 1.774
pull
Entries 85
Mean −86.17
Std Dev 135.6
pull1D
Entries 85
Mean −0.06625
Std Dev 0.5706

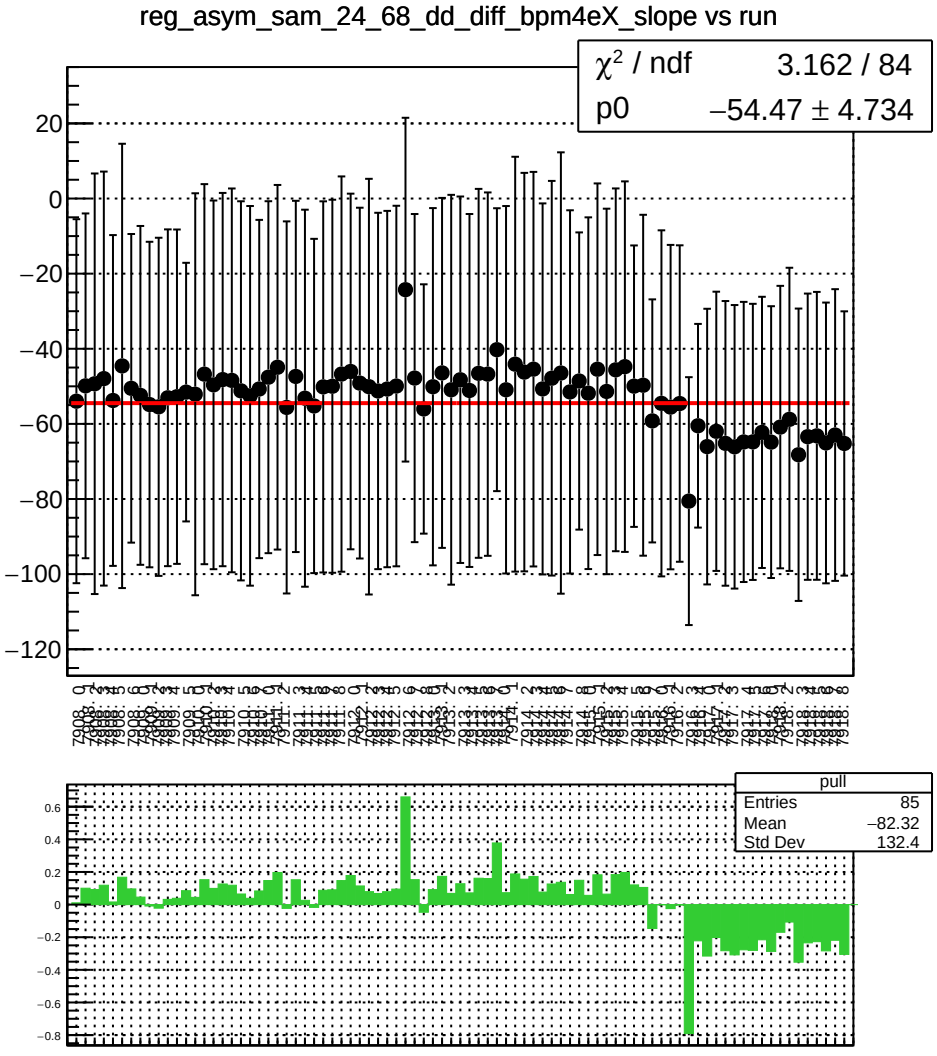

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.58 / 84
p0 16.82 ± 2.445
pull
Entries 85
Mean −81.94
Std Dev 131.9
pull1D
Entries 85
Mean 0.01203
Std Dev 0.1738

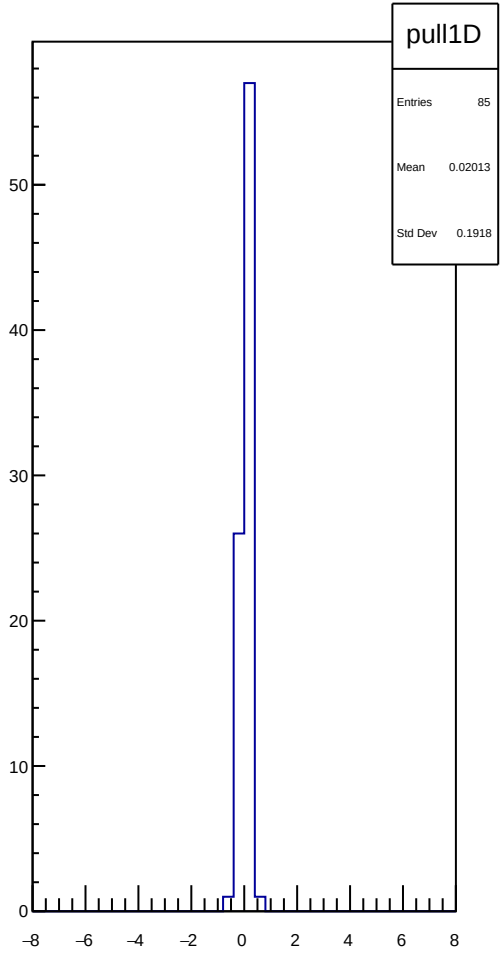

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.84 / 84
p0 0.4088 ± 0.07317
pull
Entries 85
Mean −67.89
Std Dev 116.3
pull1D
Entries 85
Mean 0.04275
Std Dev 0.3545

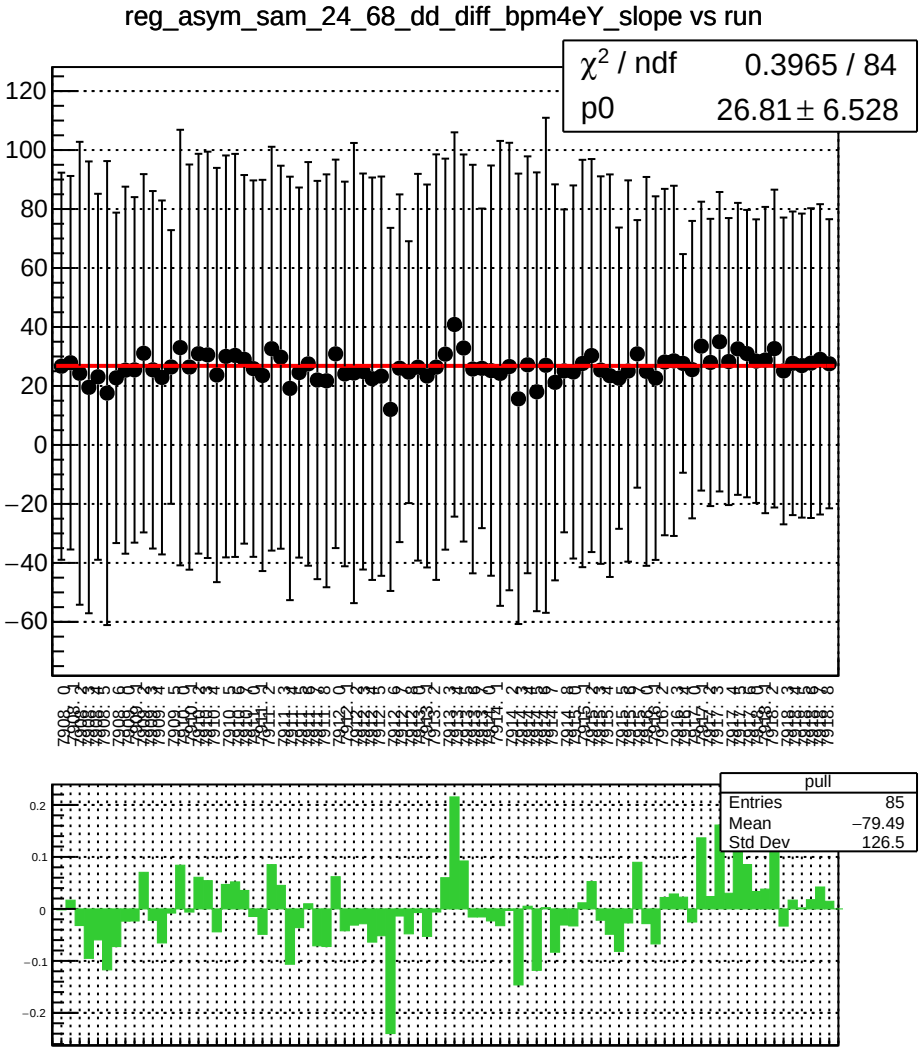

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 4.31 / 84
p0 −68.94 ± 5.545
pull
Entries 85
Mean −65.99
Std Dev 114.8
pull1D
Entries 85
Mean −0.03027
Std Dev 0.2231

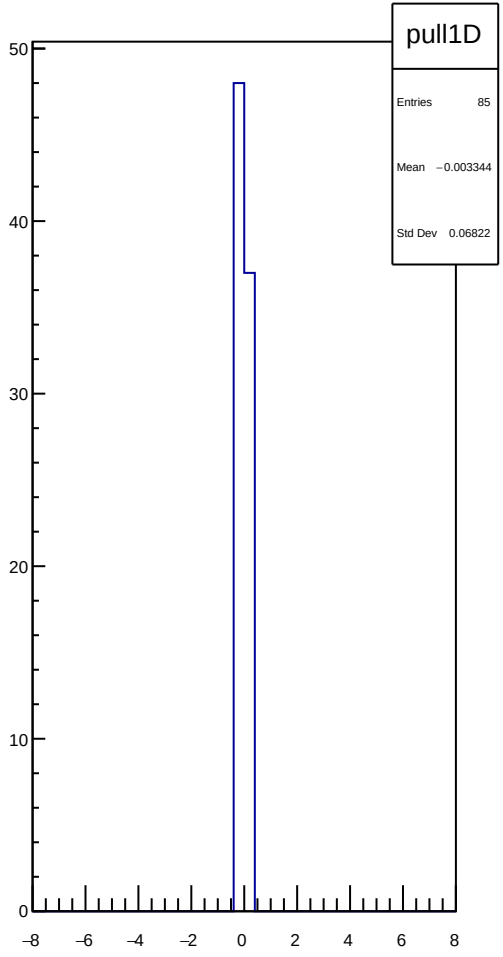

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 0.4282 / 84
p0 −36.05 ± 5.617
pull
Entries 85
Mean −103.8
Std Dev 150.1

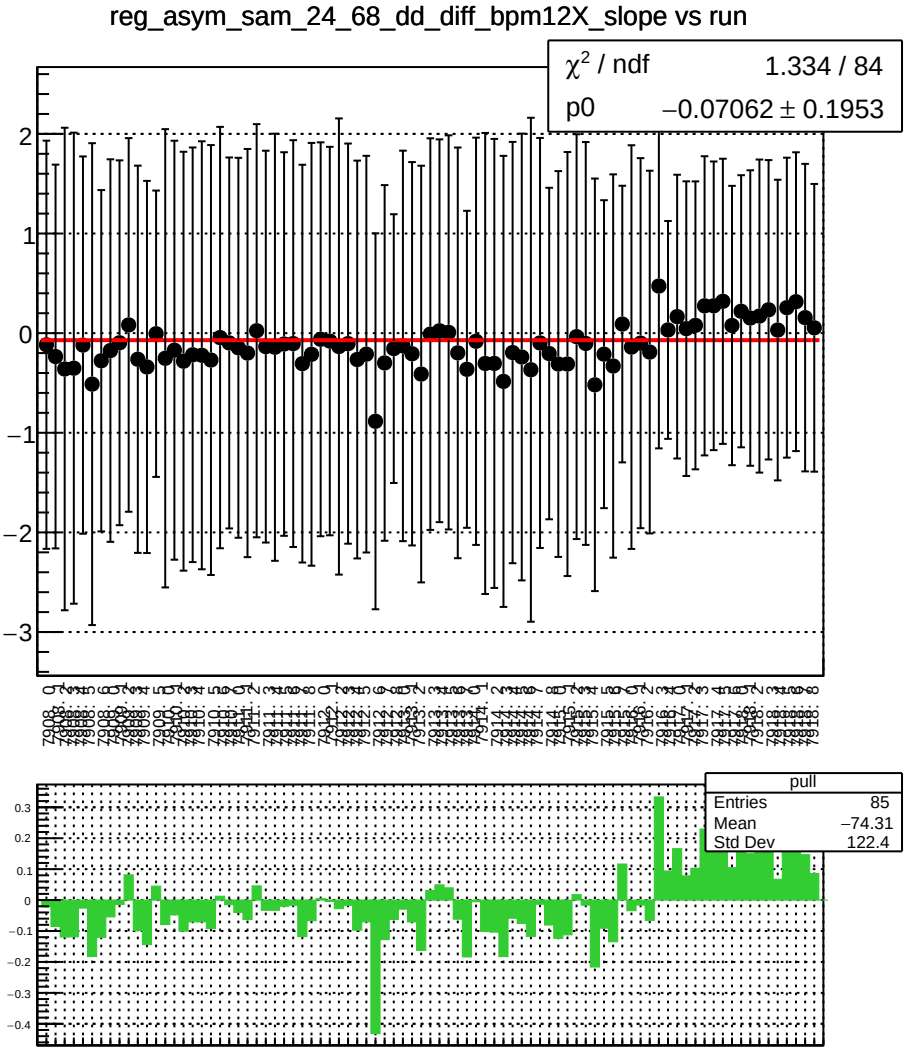

pull1D
Entries 85
Mean 0.004074
Std Dev 0.07086

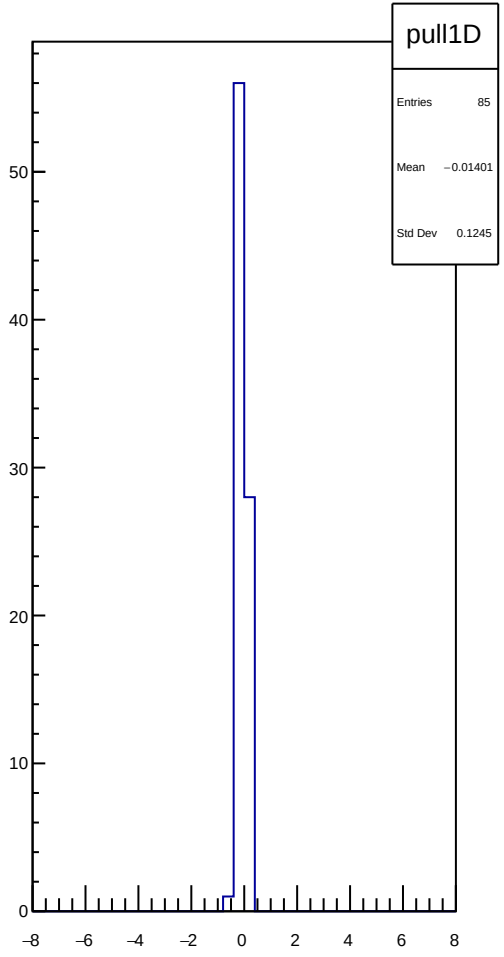

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.162 / 84
p0 −54.47 ± 4.734
pull
Entries 85
Mean −82.32
Std Dev 132.4

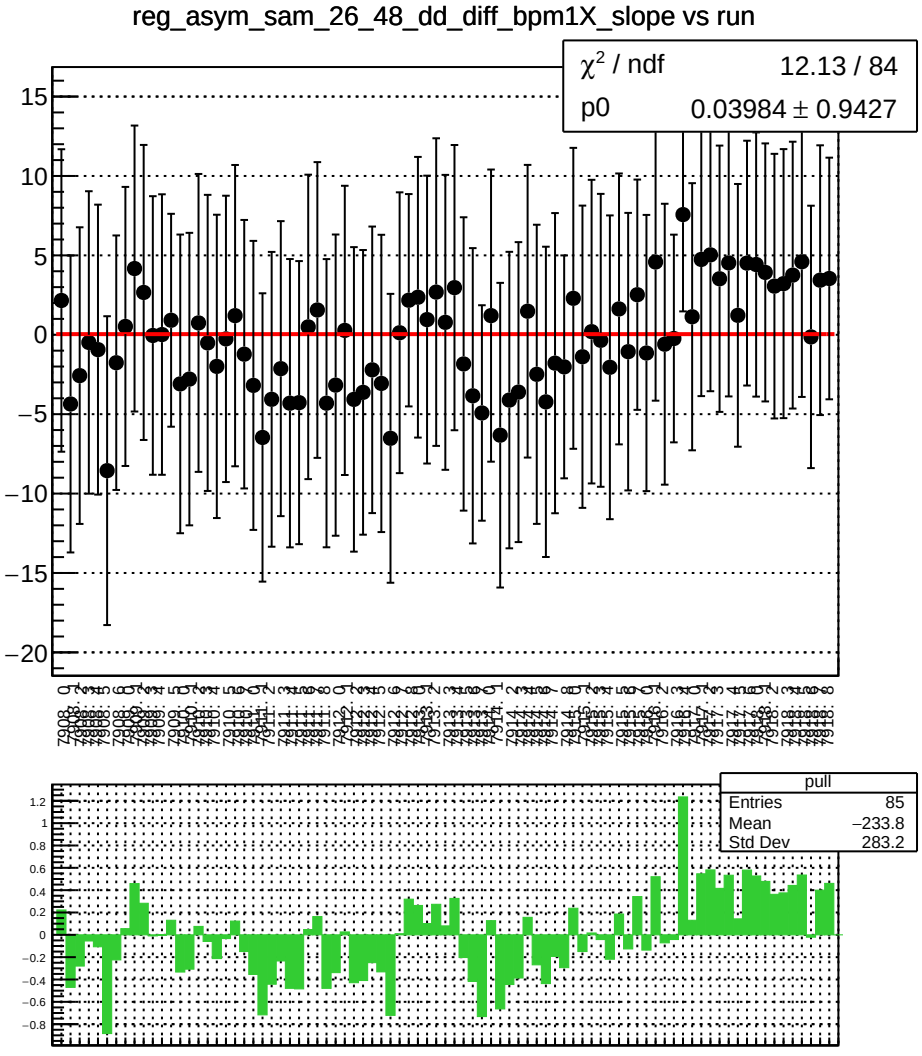

pull1D
Entries 85
Mean 0.02013
Std Dev 0.1918

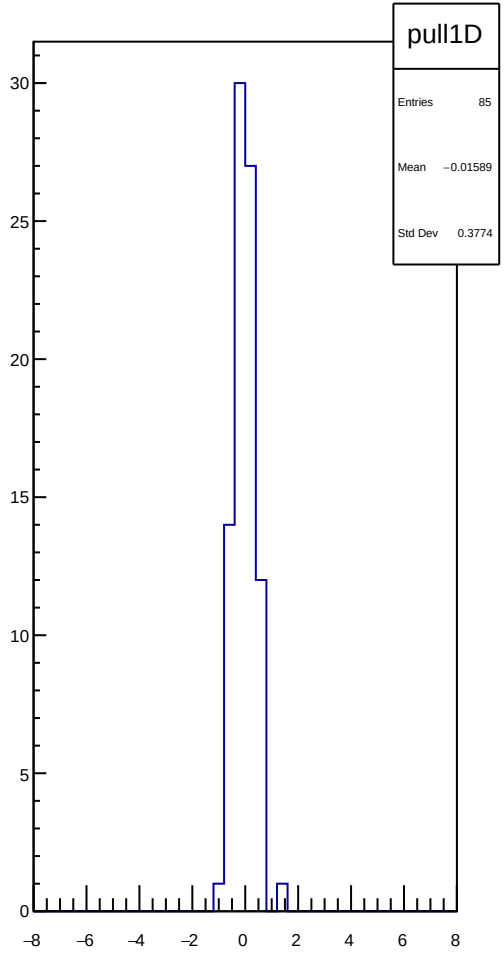

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 0.3965 / 84
p0 26.81 ± 6.528
pull
Entries 85
Mean −79.49
Std Dev 126.5

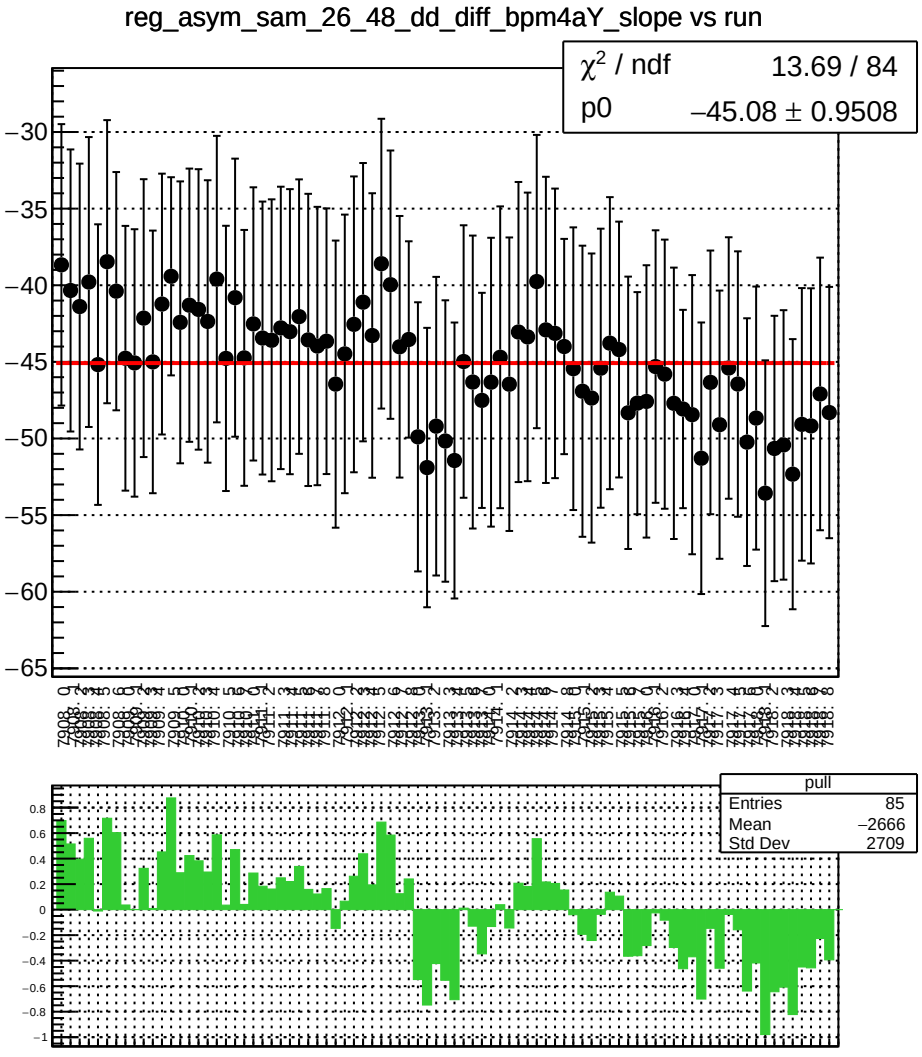

pull1D
Entries 85
Mean −0.003344
Std Dev 0.06822

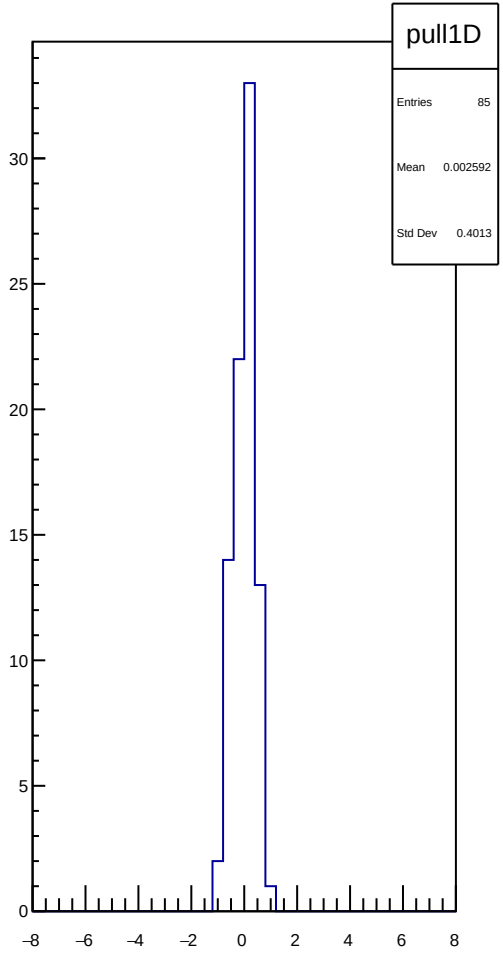

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.334 / 84
p0 −0.07062 ± 0.1953
pull
Entries 85
Mean −74.31
Std Dev 122.4

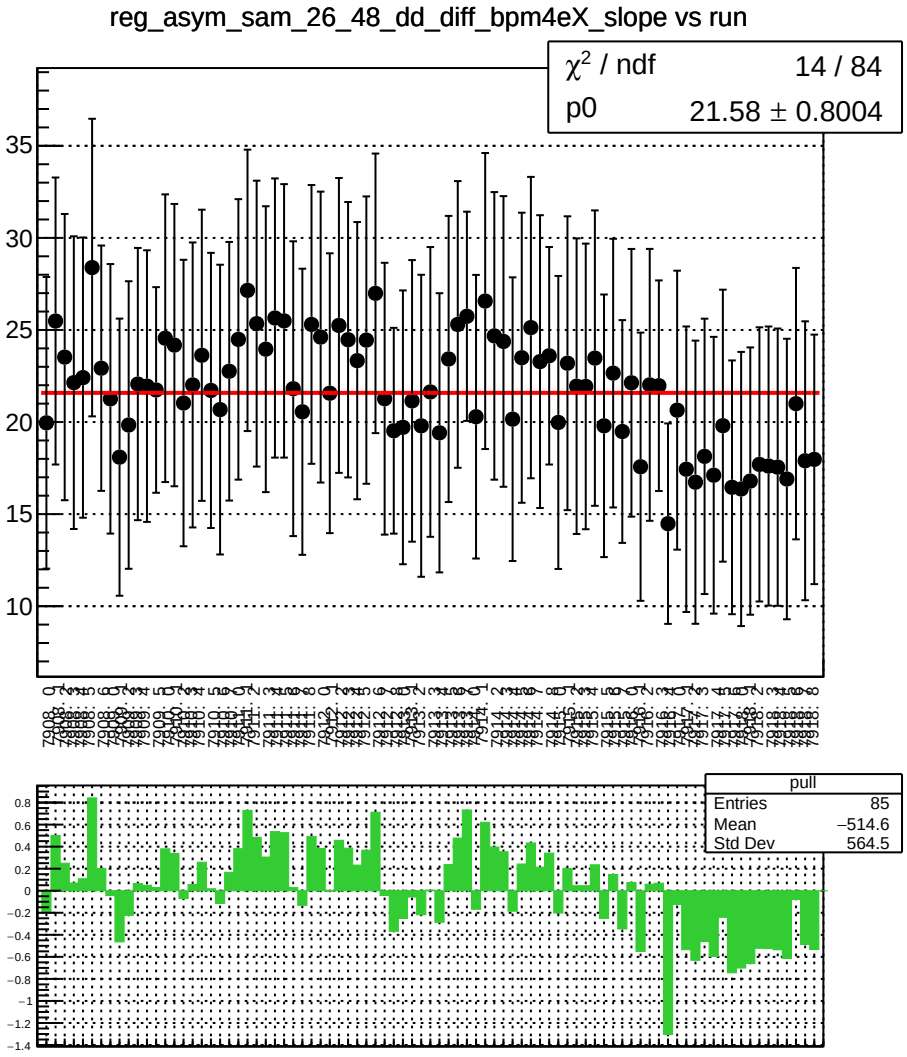

pull1D
Entries 85
Mean −0.01401
Std Dev 0.1245

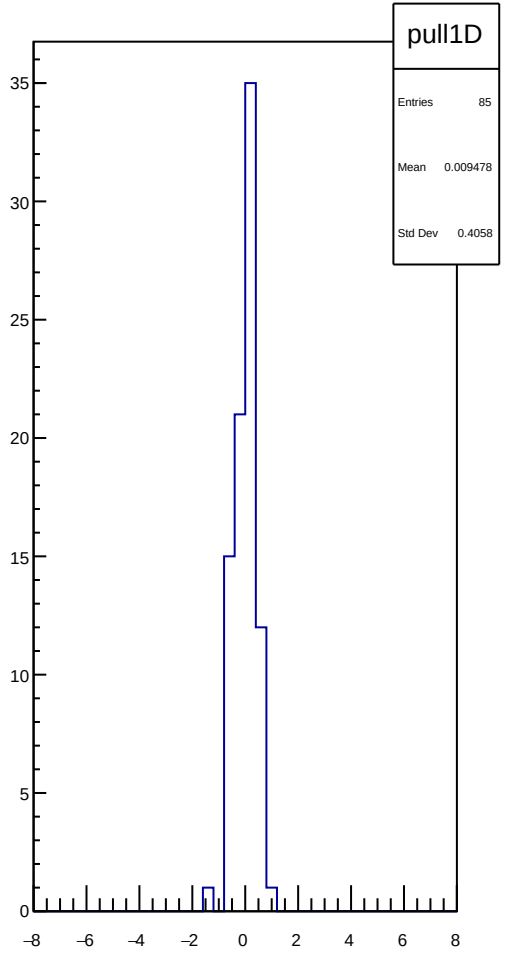

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 12.13 / 84
p0 0.03984 ± 0.9427
pull
Entries 85
Mean −233.8
Std Dev 283.2

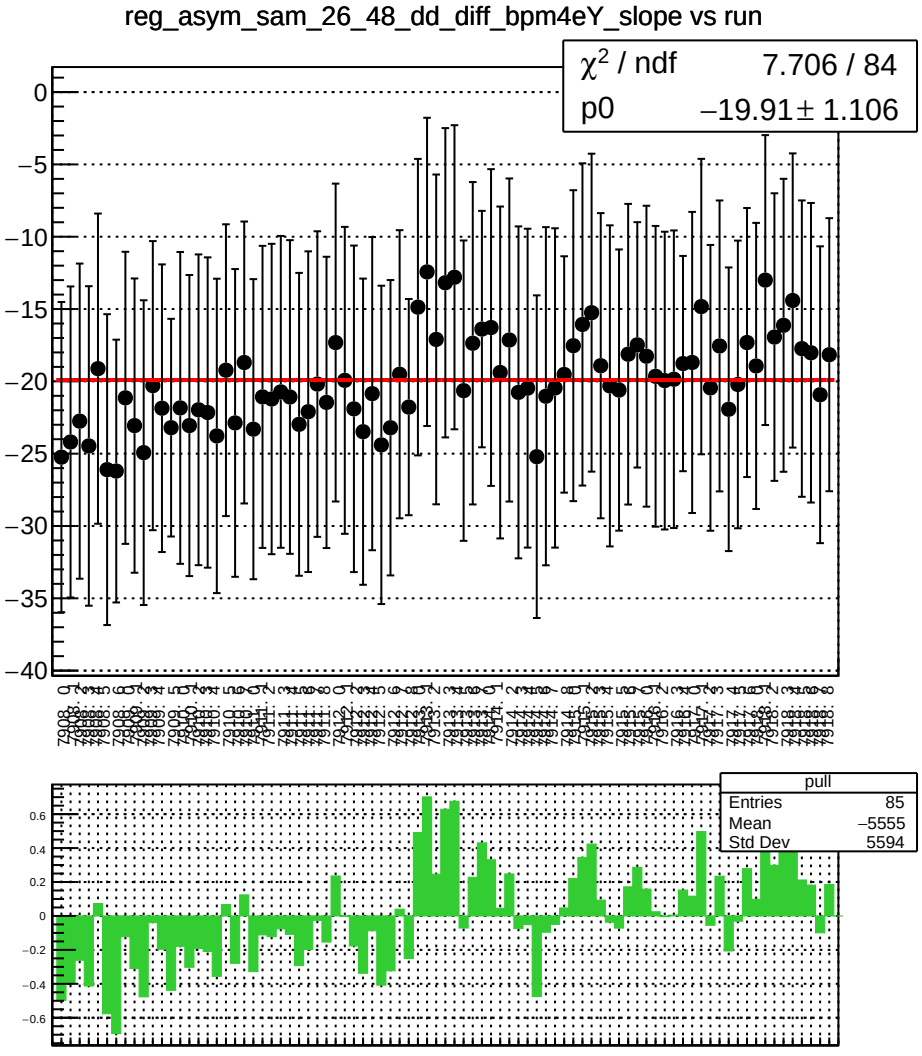

pull1D
Entries 85
Mean −0.01589
Std Dev 0.3774

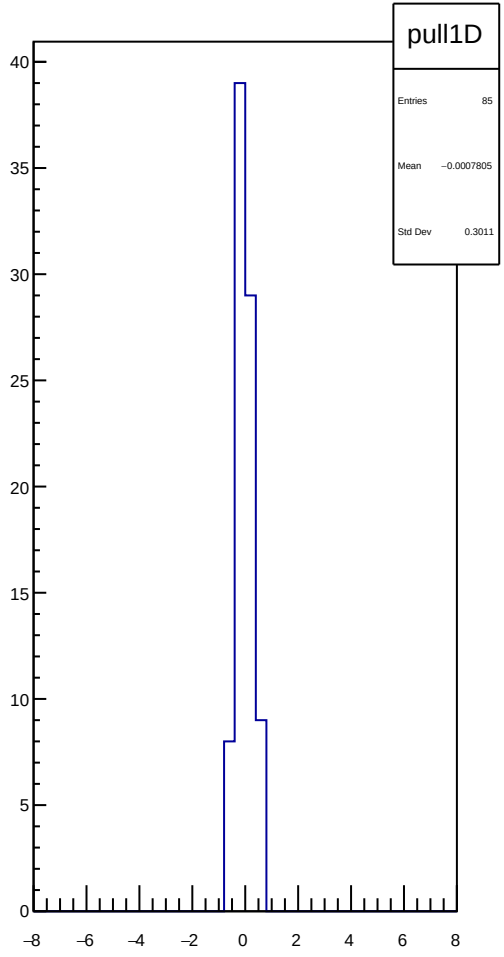

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.69 / 84
p0 −45.08 ± 0.9508
pull
Entries 85
Mean −2666
Std Dev 2709

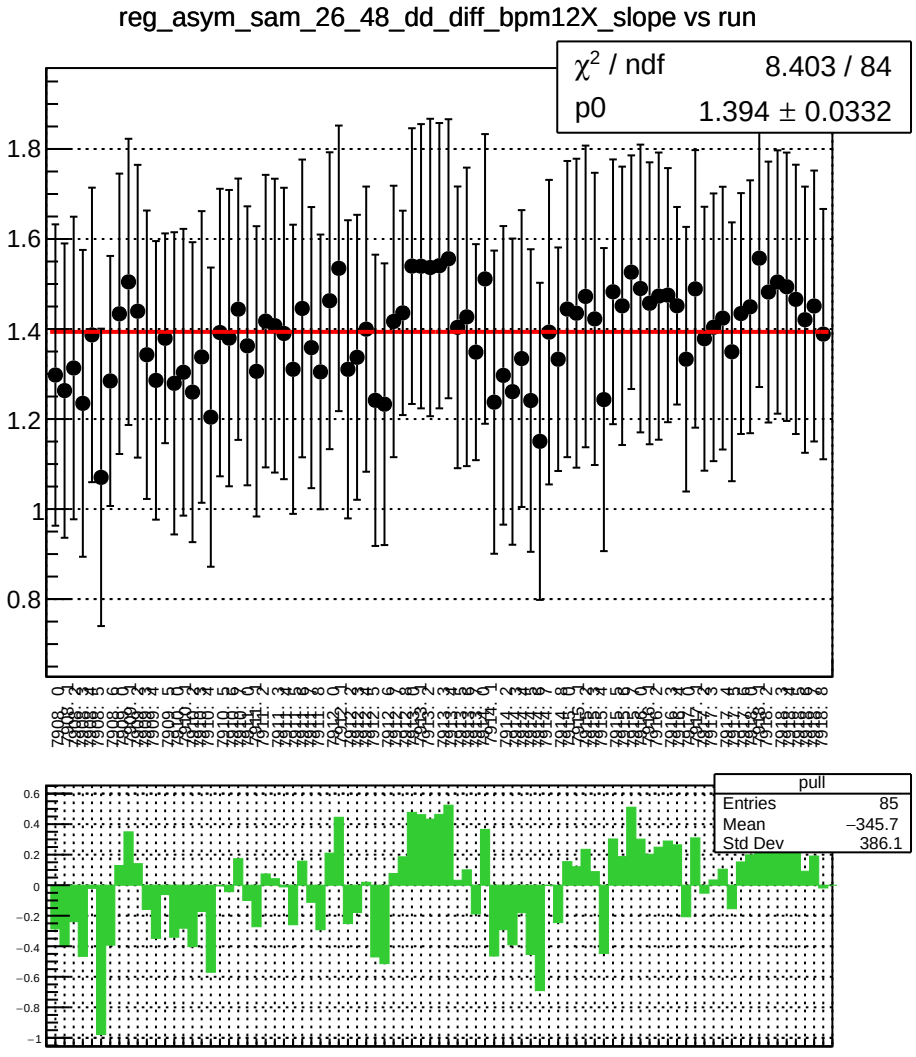

pull1D
Entries 85
Mean 0.002592
Std Dev 0.4013

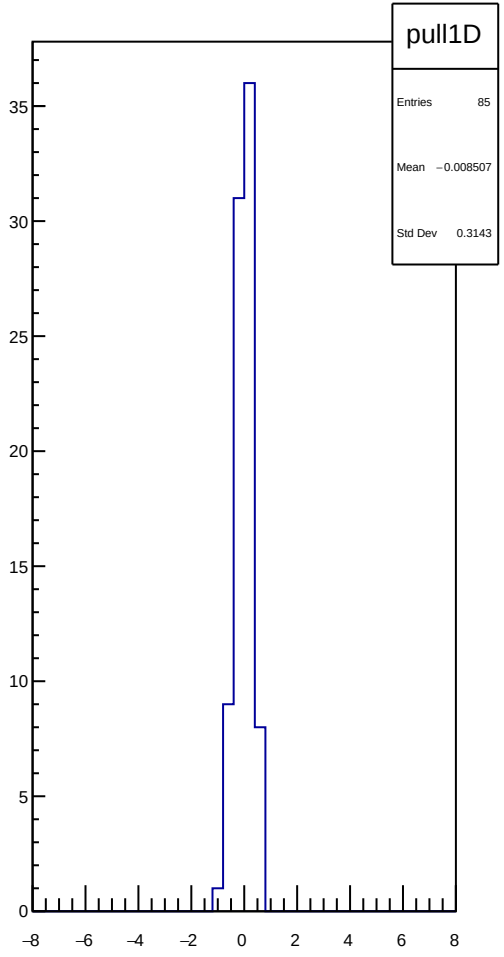

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 14 / 84
p0 21.58 ± 0.8004
pull
Entries 85
Mean −514.6
Std Dev 564.5

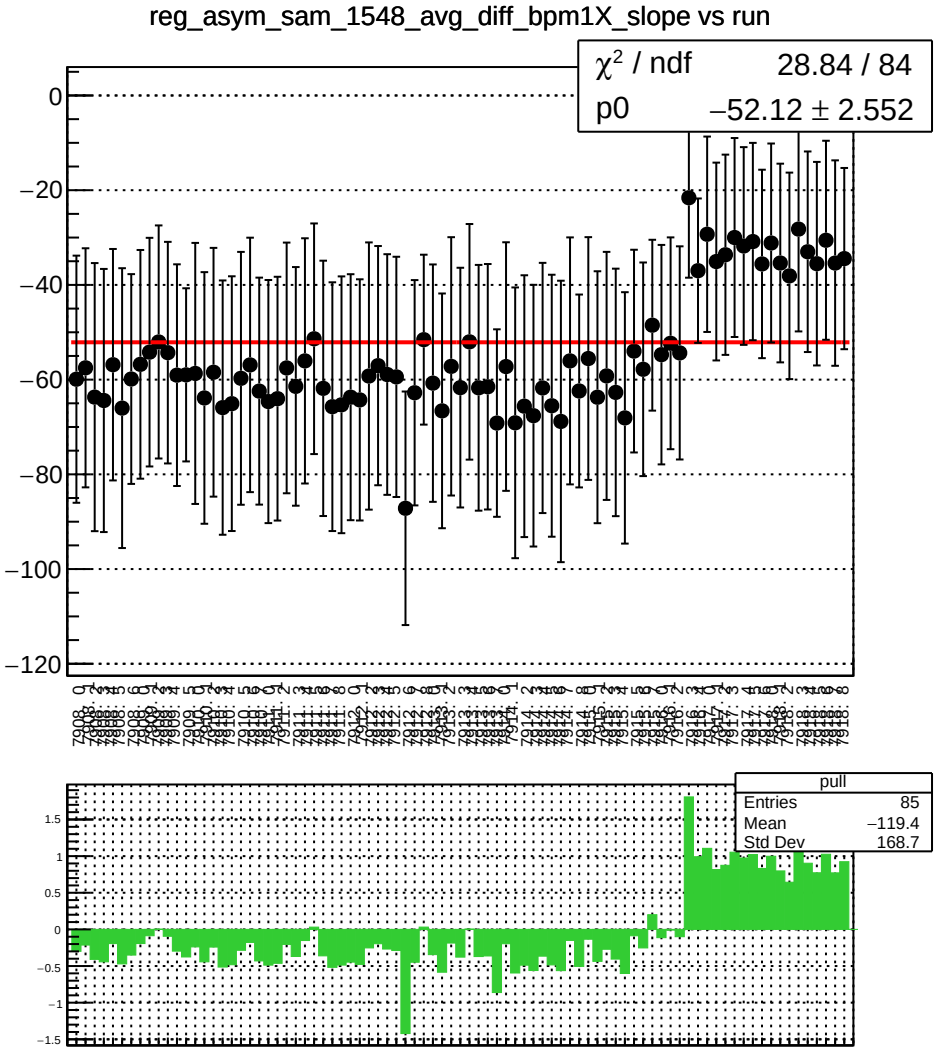

pull1D
Entries 85
Mean 0.009478
Std Dev 0.4058

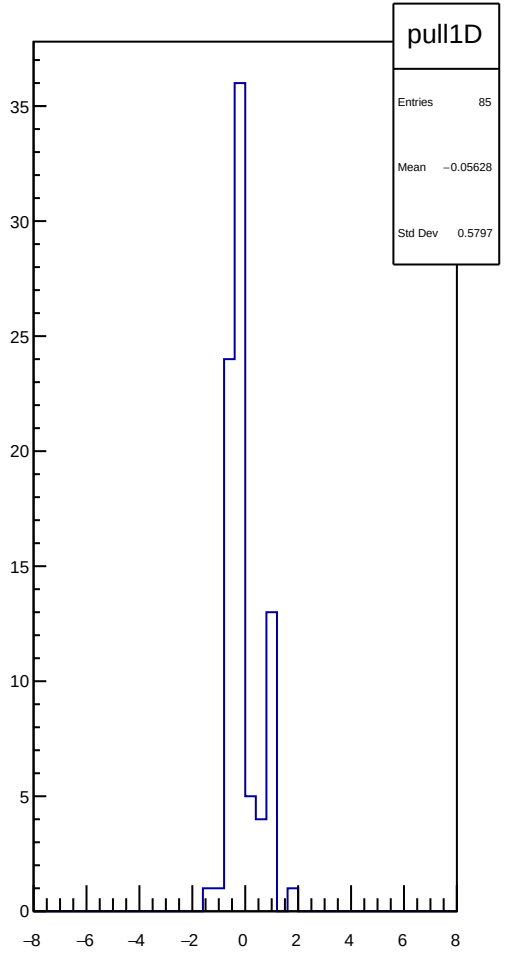

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.706 / 84
p0 −19.91 ± 1.106
pull
Entries 85
Mean −5555
Std Dev 5594

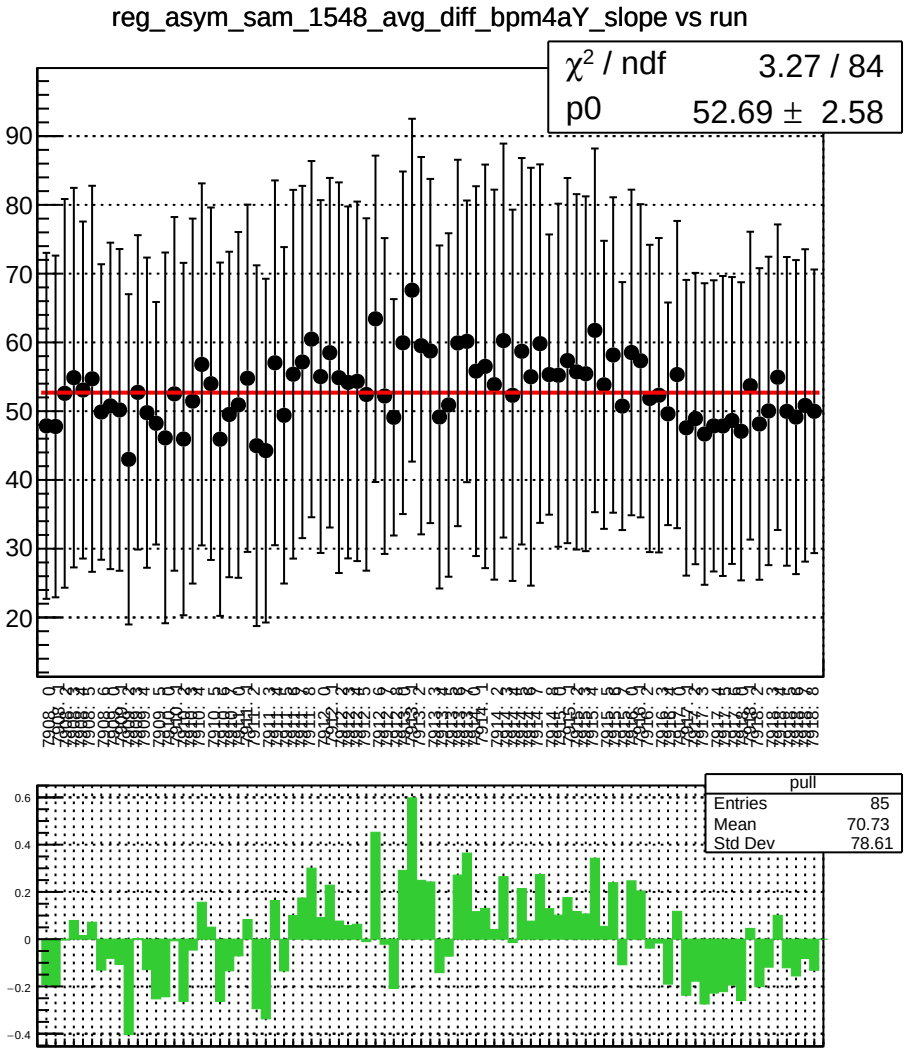

pull1D
Entries 85
Mean −0.0007805
Std Dev 0.3011

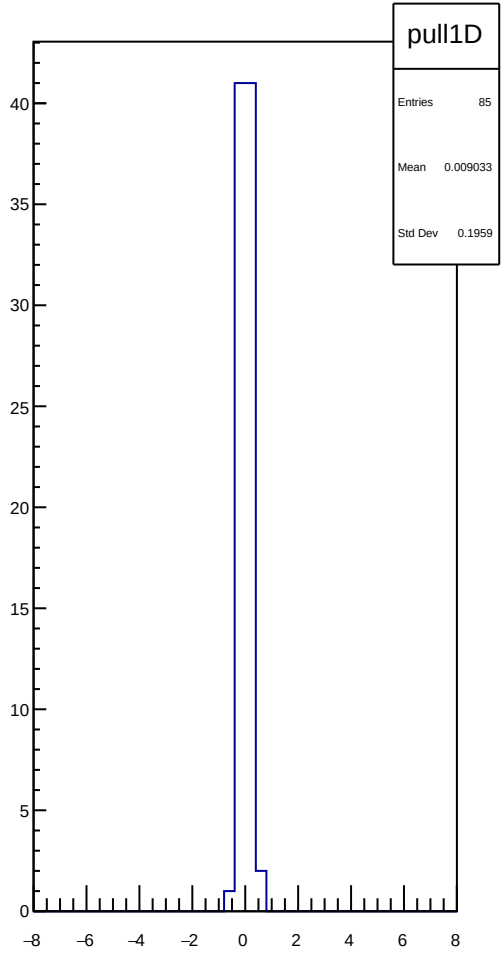

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.403 / 84
p0 1.394 ± 0.0332
pull
Entries 85
Mean −345.7
Std Dev 386.1

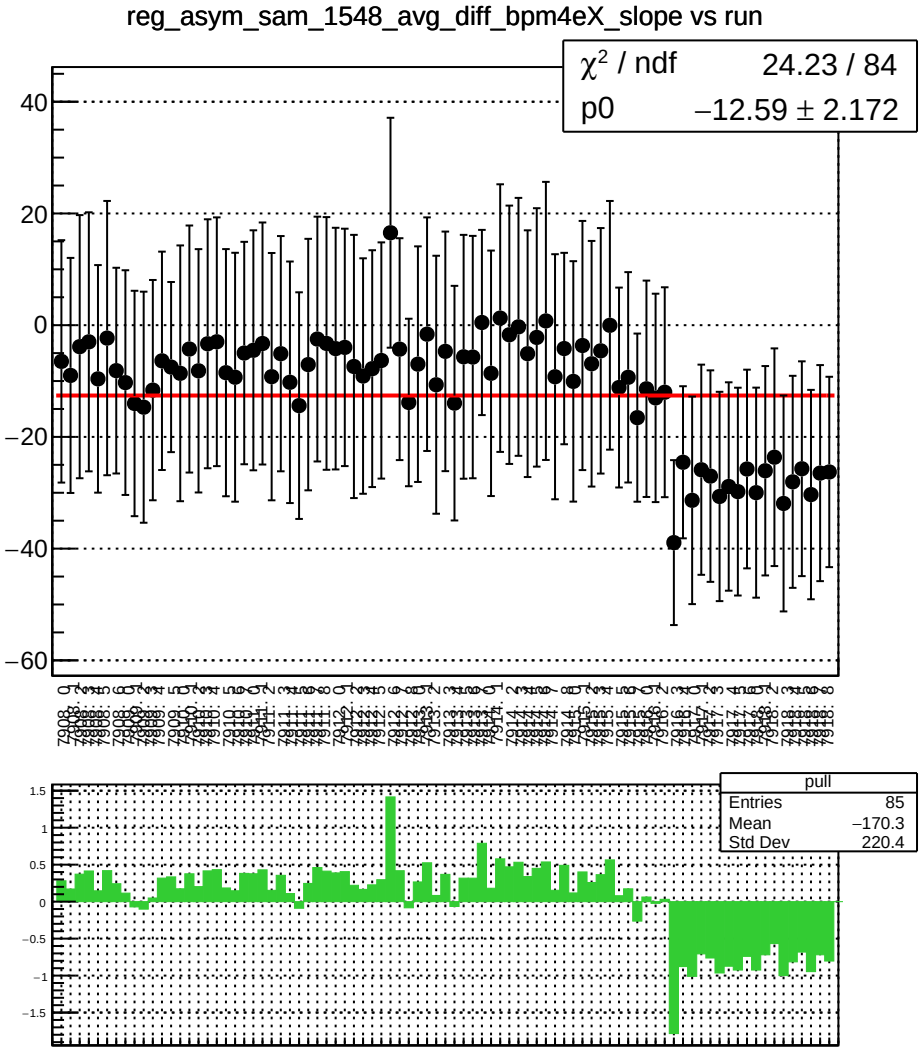

pull1D
Entries 85
Mean −0.008507
Std Dev 0.3143

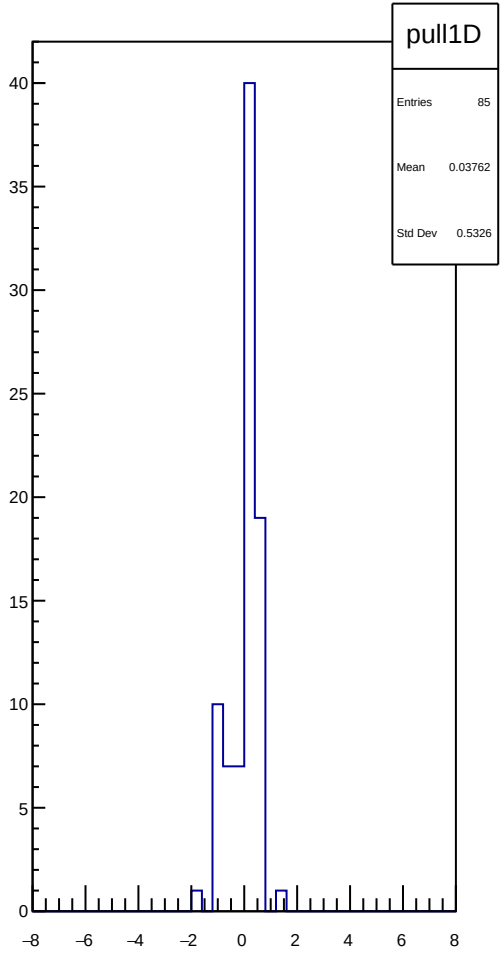

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 28.84 / 84
p0 −52.12 ± 2.552
pull
Entries 85
Mean −119.4
Std Dev 168.7

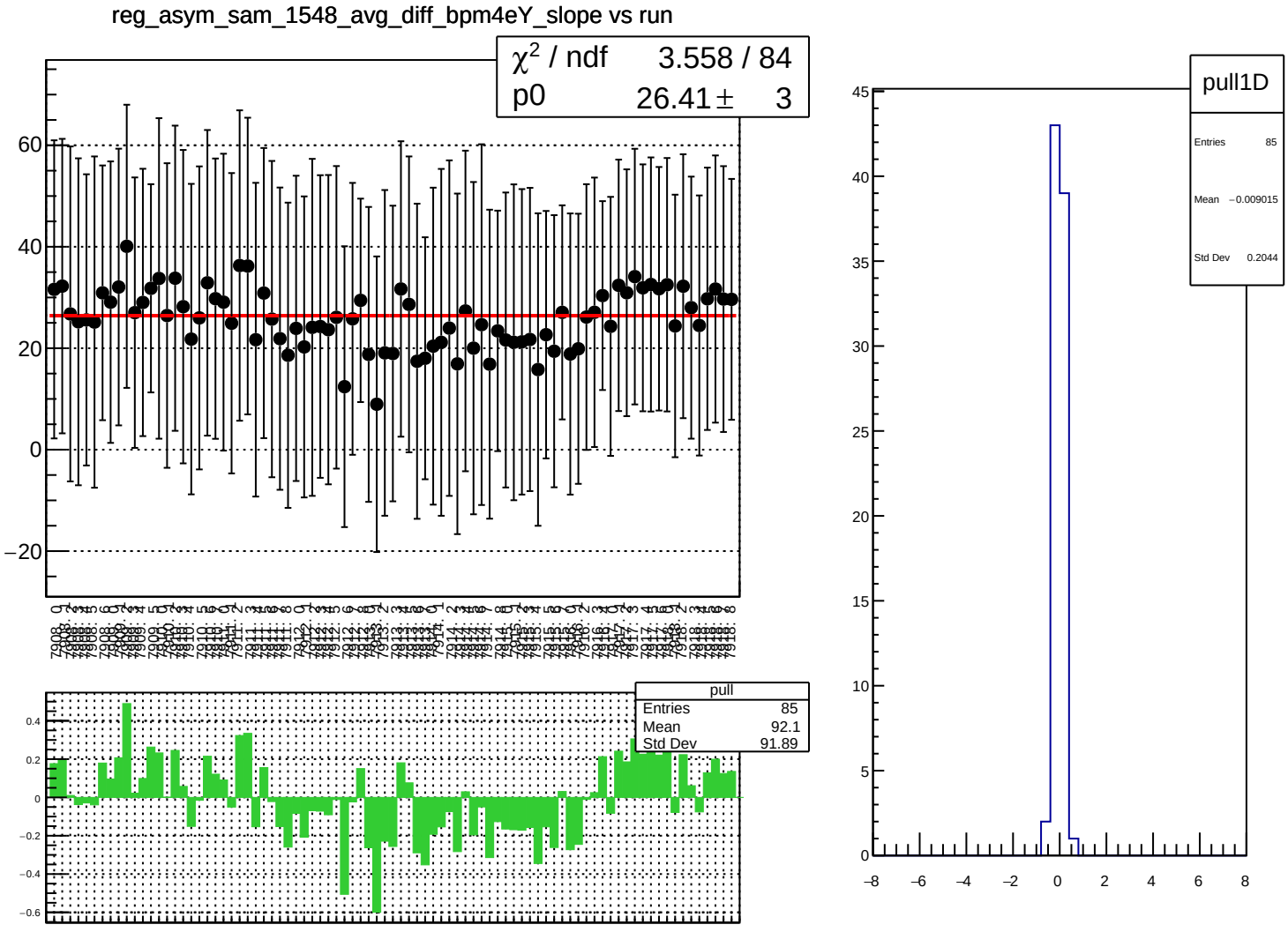

pull1D
Entries 85
Mean −0.05628
Std Dev 0.5797

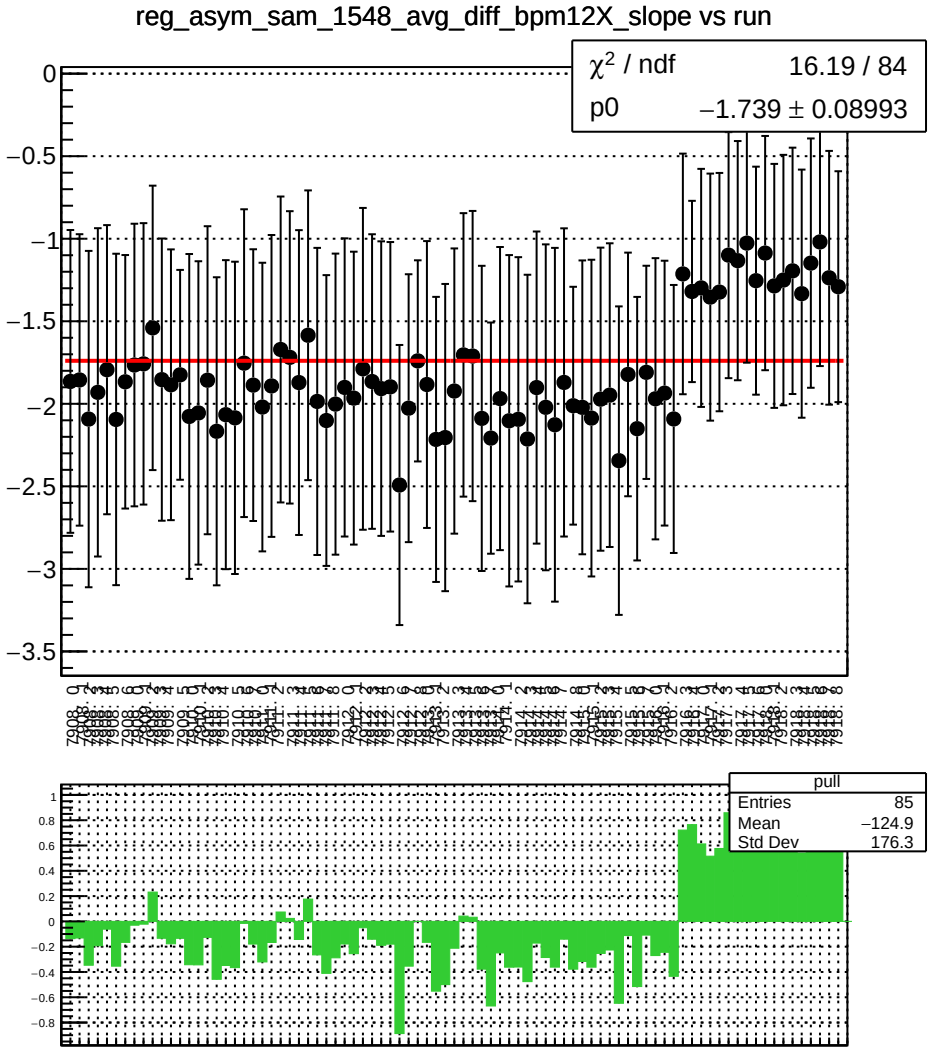

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.27 / 84
p0 52.69 ± 2.58
pull
Entries 85
Mean 70.73
Std Dev 78.61

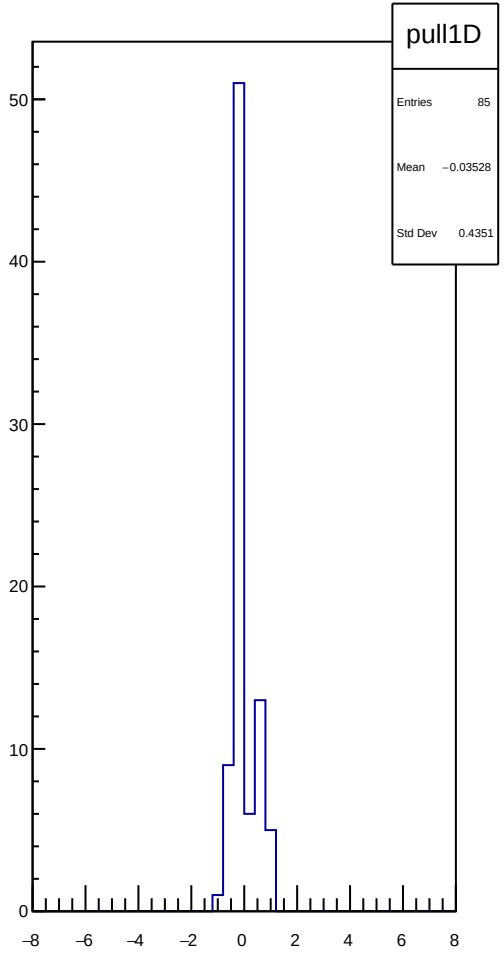

pull1D
Entries 85
Mean 0.009033
Std Dev 0.1959

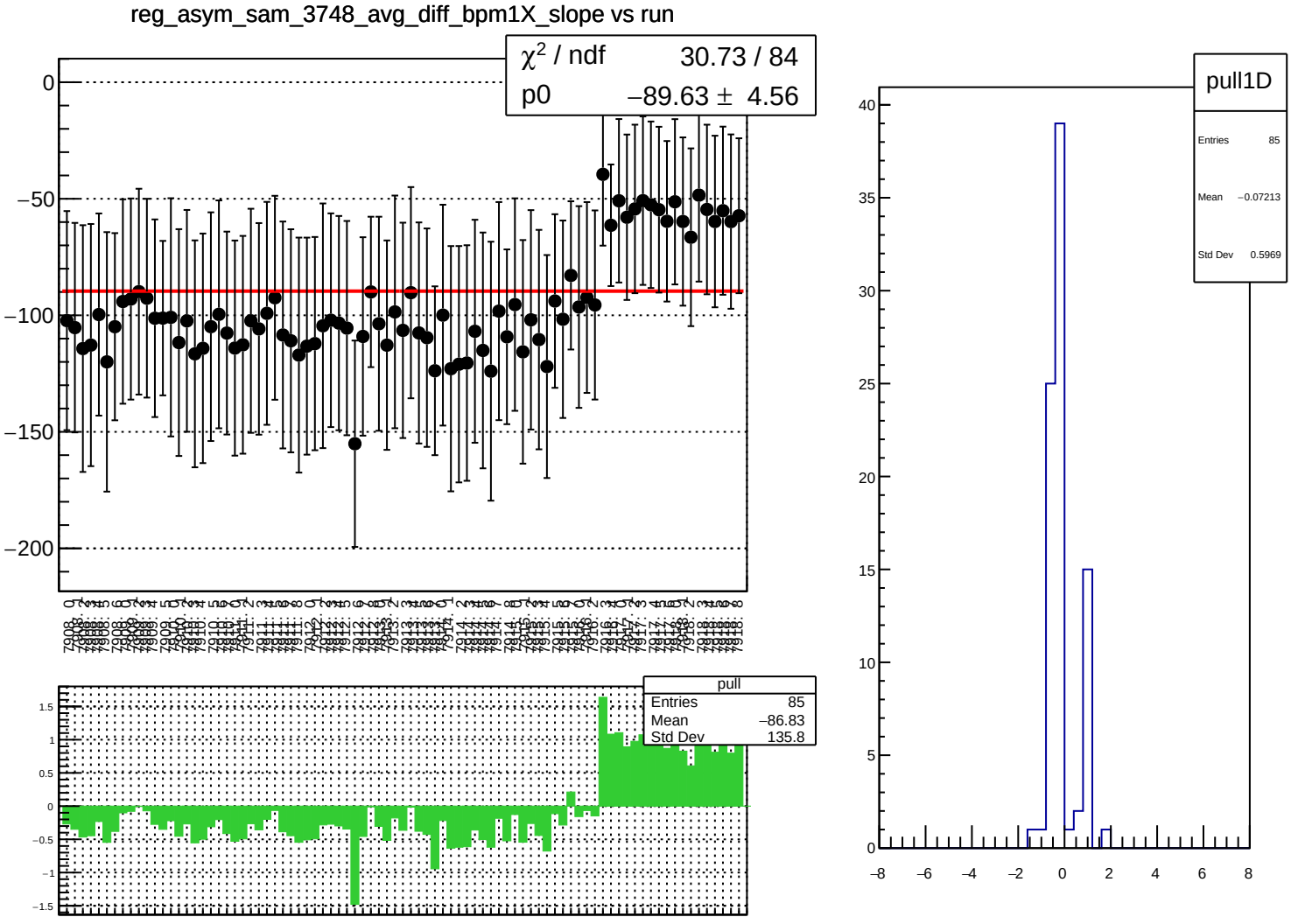

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.23 / 84
p0 −12.59 ± 2.172
pull
Entries 85
Mean −170.3
Std Dev 220.4

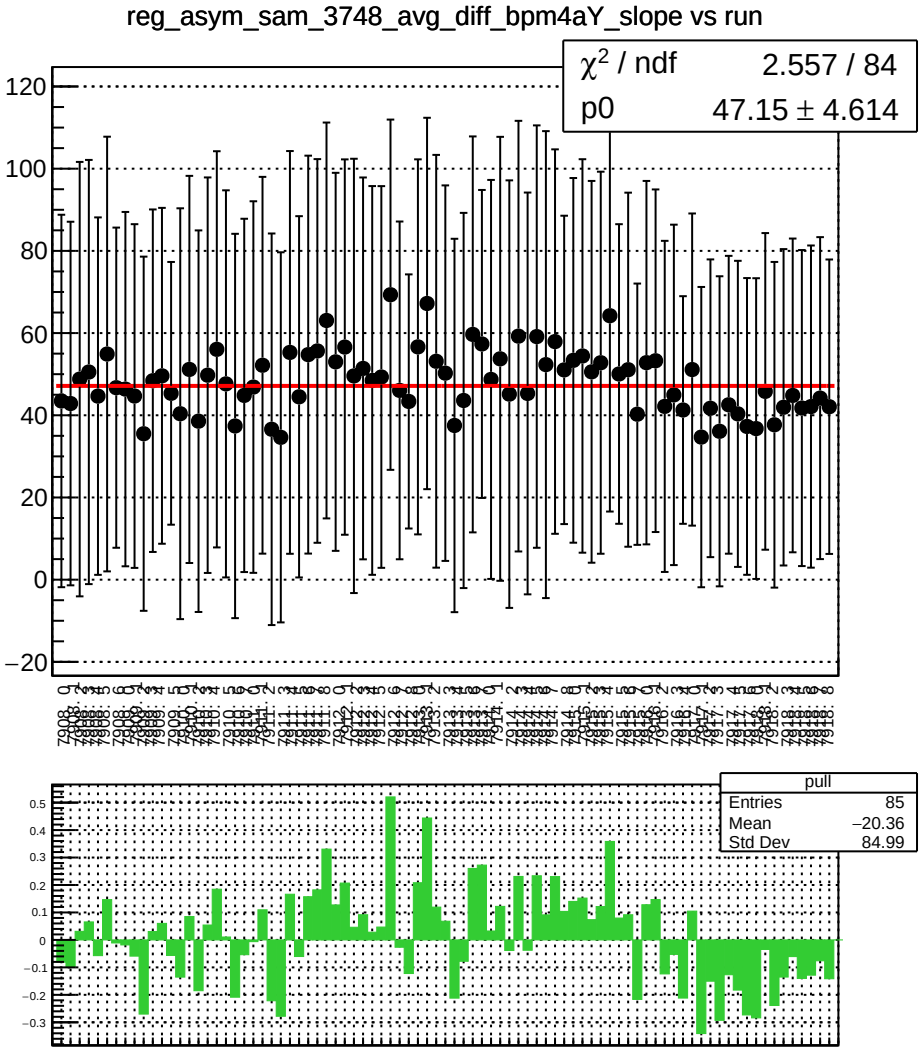

pull1D
Entries 85
Mean 0.03762
Std Dev 0.5326

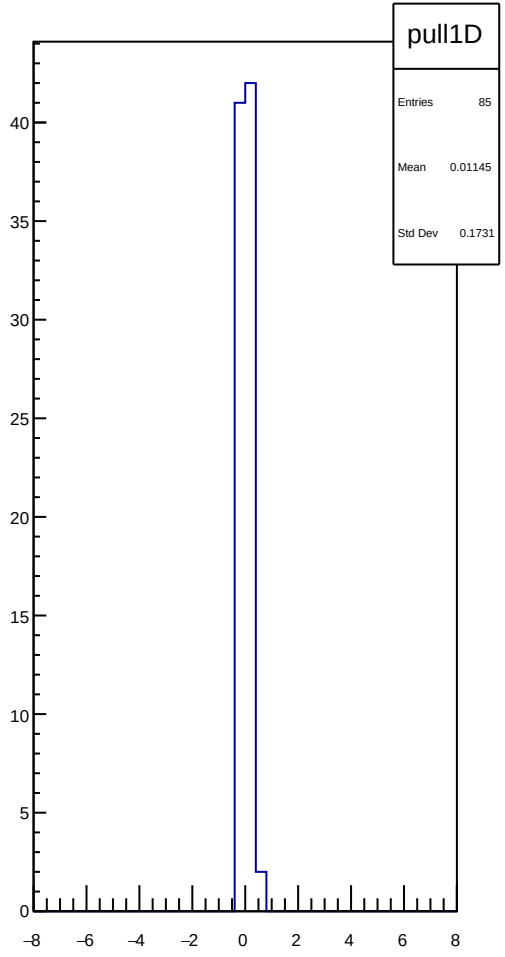

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.558 / 84
p0 26.41 ± 3
pull
Entries 85
Mean 92.1
Std Dev 91.89
pull1D
Entries 85
Mean −0.009015
Std Dev 0.2044

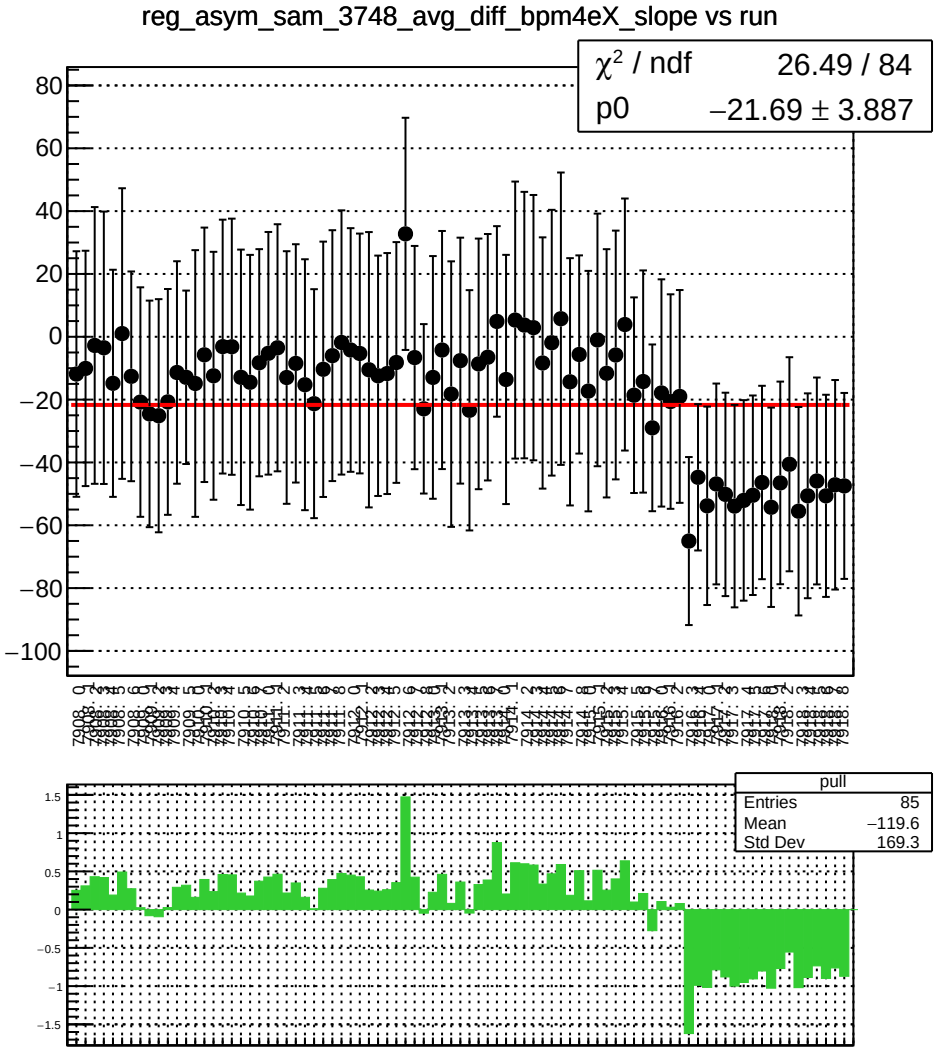

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 16.19 / 84
p0 −1.739 ± 0.08993
pull
Entries 85
Mean −124.9
Std Dev 176.3

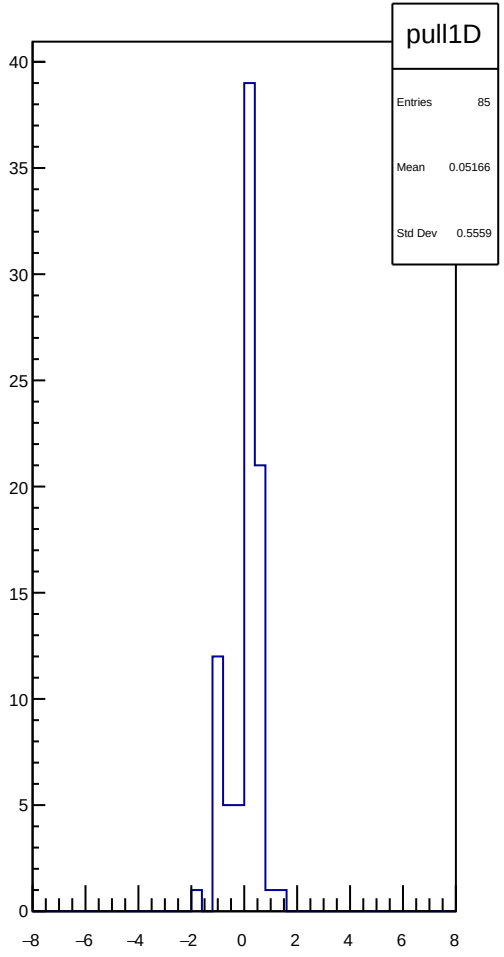

pull1D
Entries 85
Mean −0.03528
Std Dev 0.4351

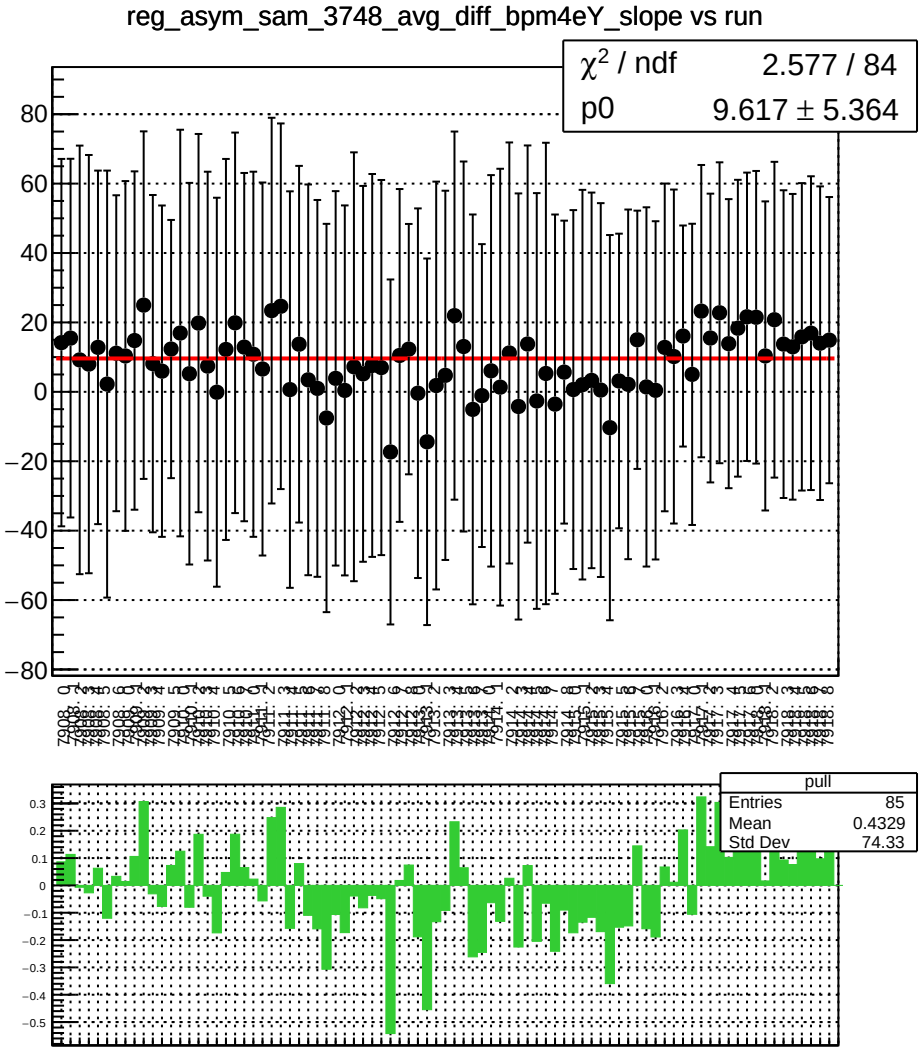

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 30.73 / 84
p0 −89.63 ± 4.56
pull
Entries 85
Mean −86.83
Std Dev 135.8
pull1D
Entries 85
Mean −0.07213
Std Dev 0.5969

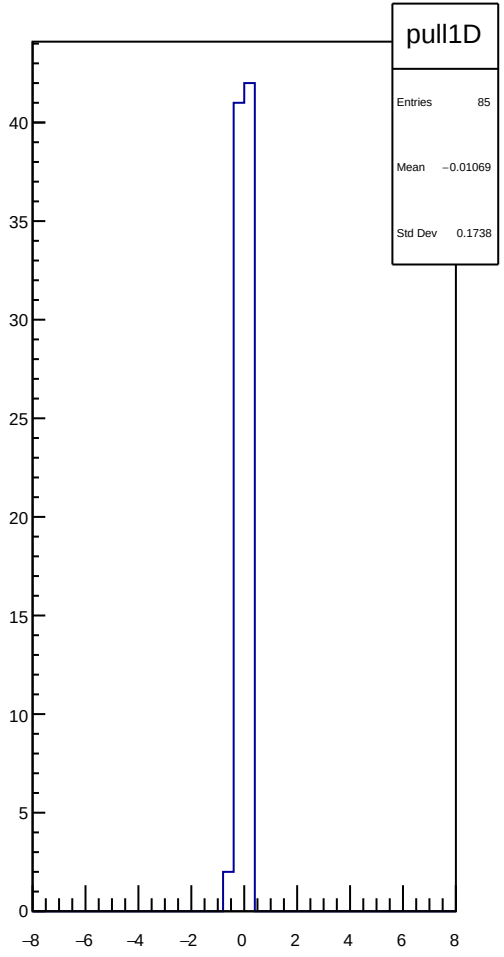

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.557 / 84
p0 47.15 ± 4.614
pull
Entries 85
Mean −20.36
Std Dev 84.99

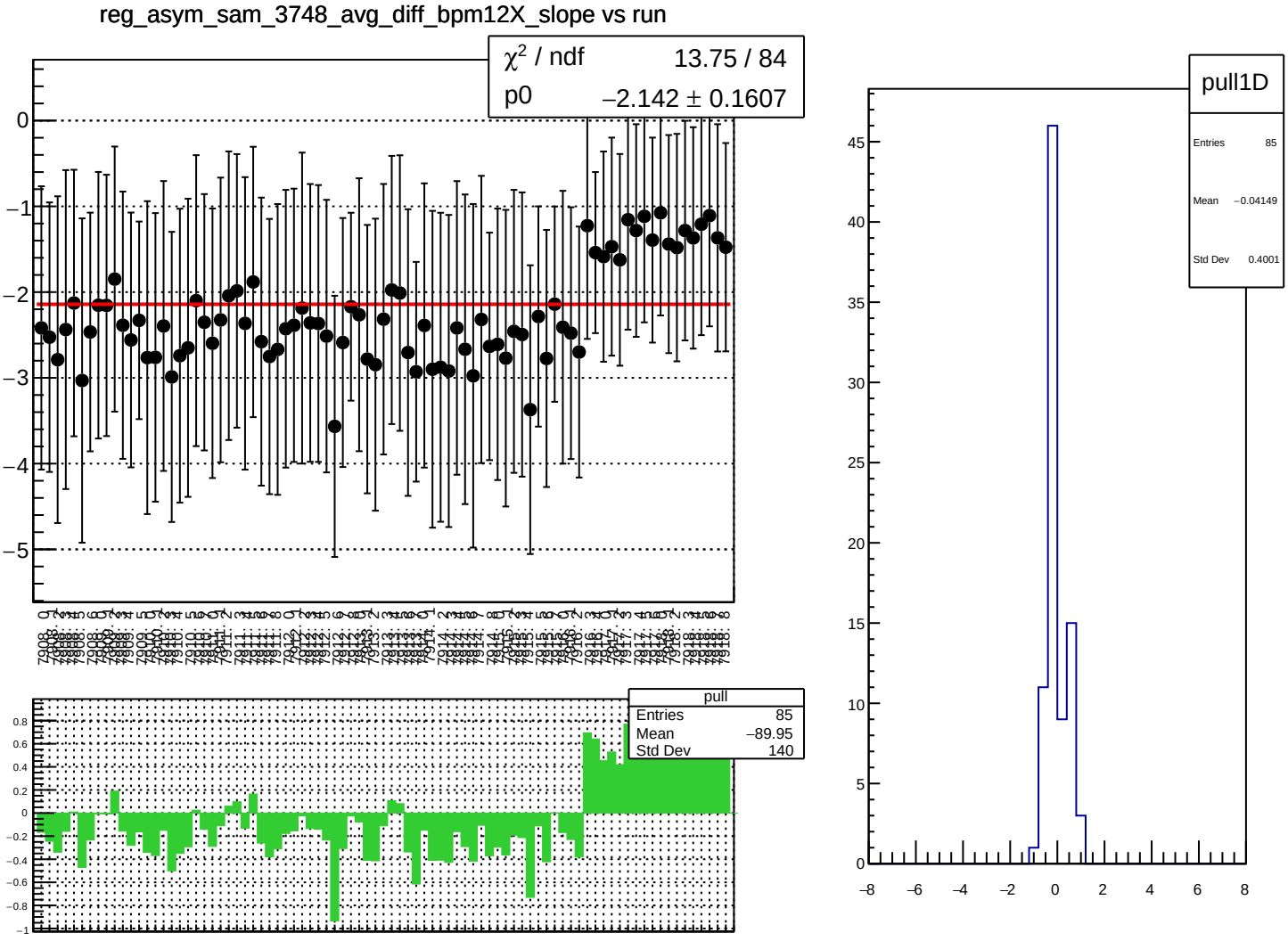

pull1D
Entries 85
Mean 0.01145
Std Dev 0.1731

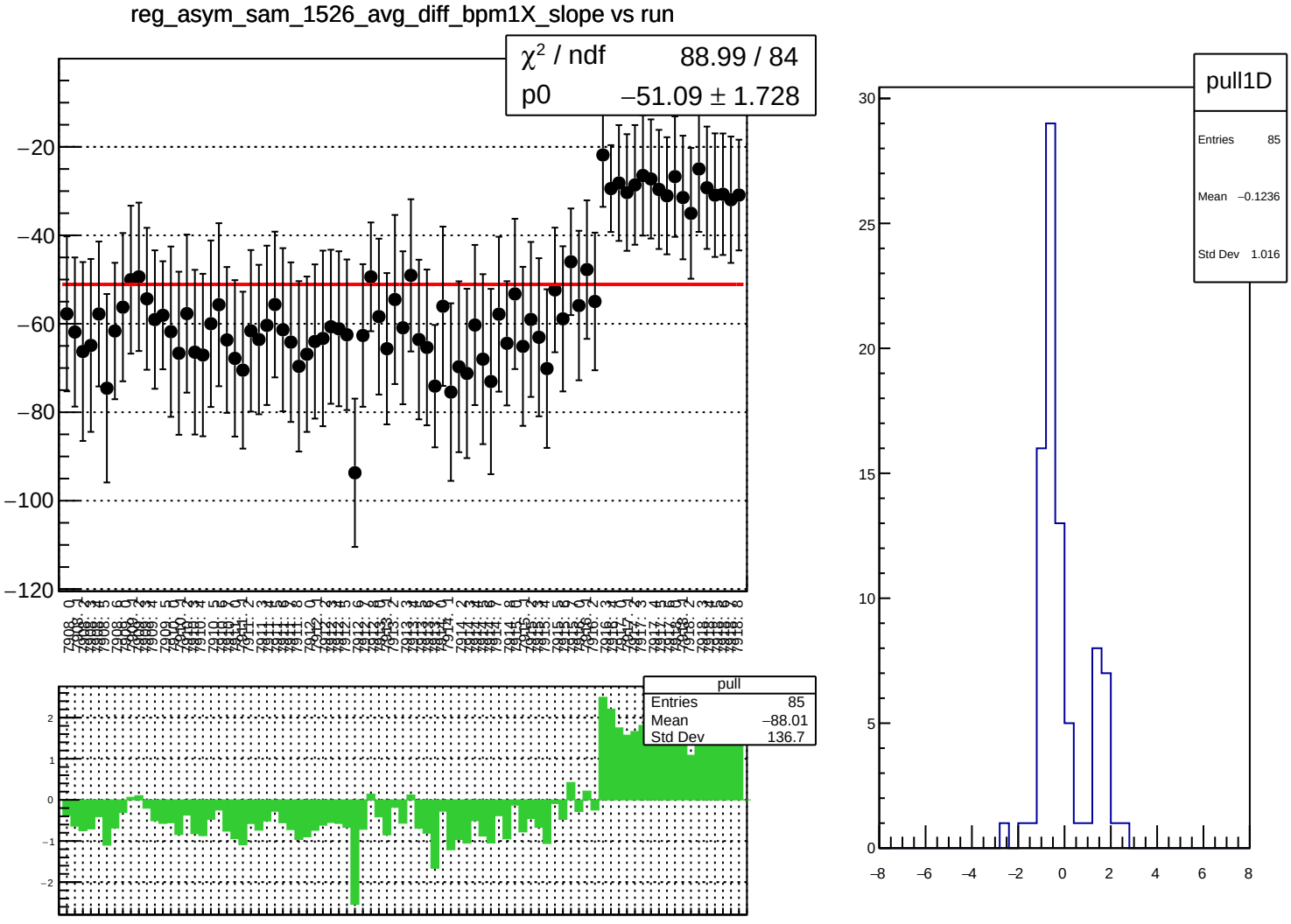

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.49 / 84
p0 −21.69 ± 3.887
pull
Entries 85
Mean −119.6
Std Dev 169.3

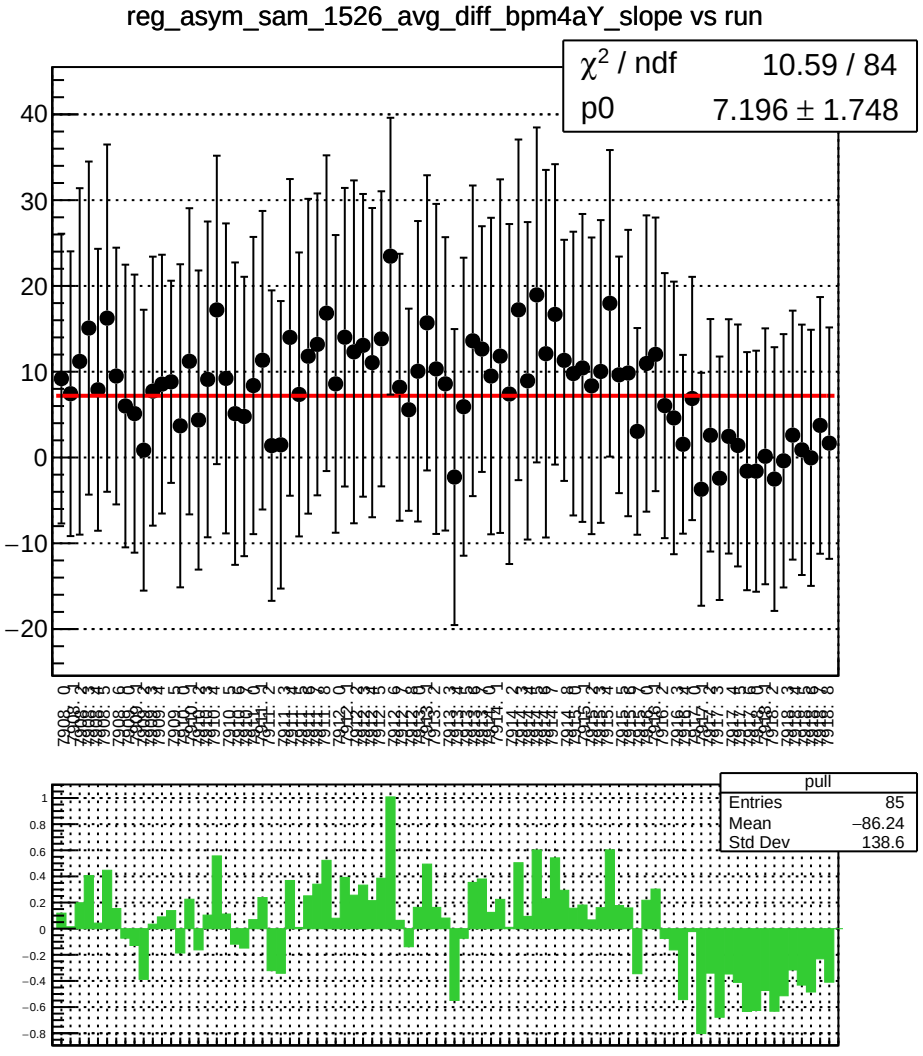

pull1D
Entries 85
Mean 0.05166
Std Dev 0.5559

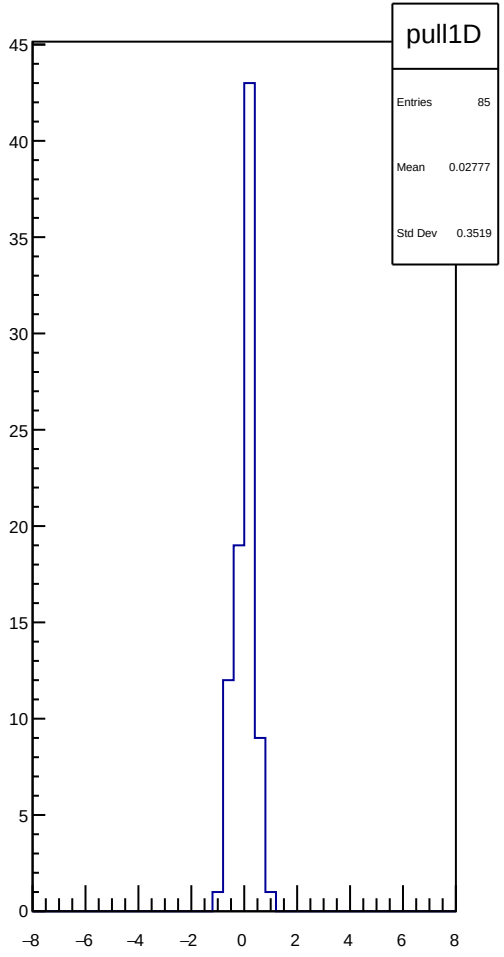

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.577 / 84
p0 9.617 ± 5.364
pull
Entries 85
Mean 0.4329
Std Dev 74.33

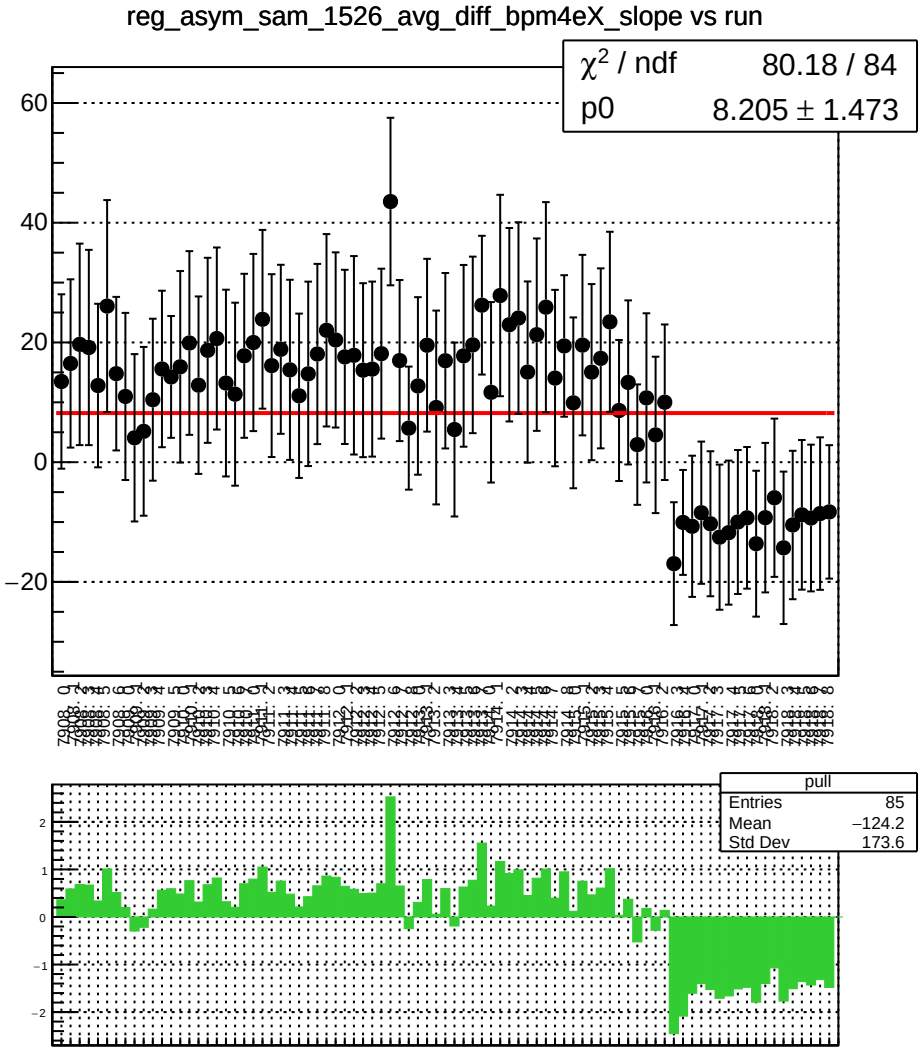

pull1D
Entries 85
Mean −0.01069
Std Dev 0.1738

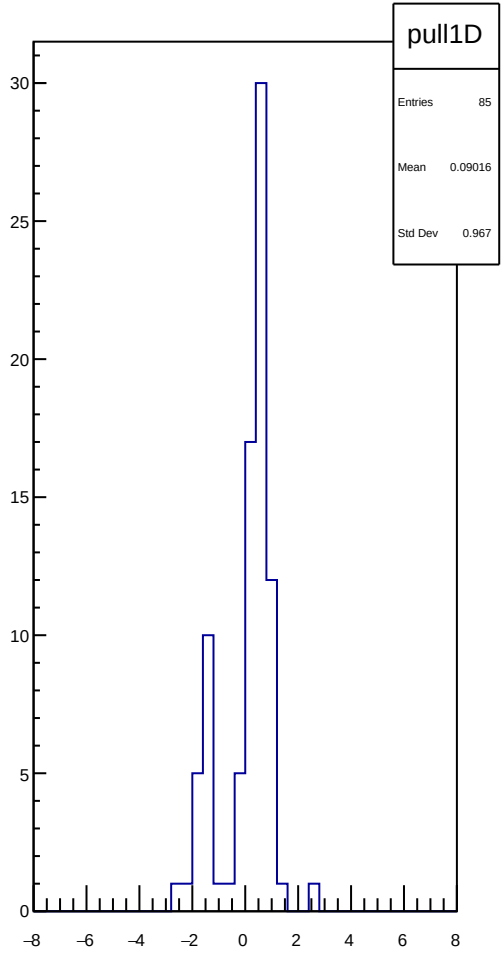

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 13.75 / 84
p0 −2.142 ± 0.1607
pull
Entries 85
Mean −89.95
Std Dev 140
pull1D
Entries 85
Mean −0.04149
Std Dev 0.4001

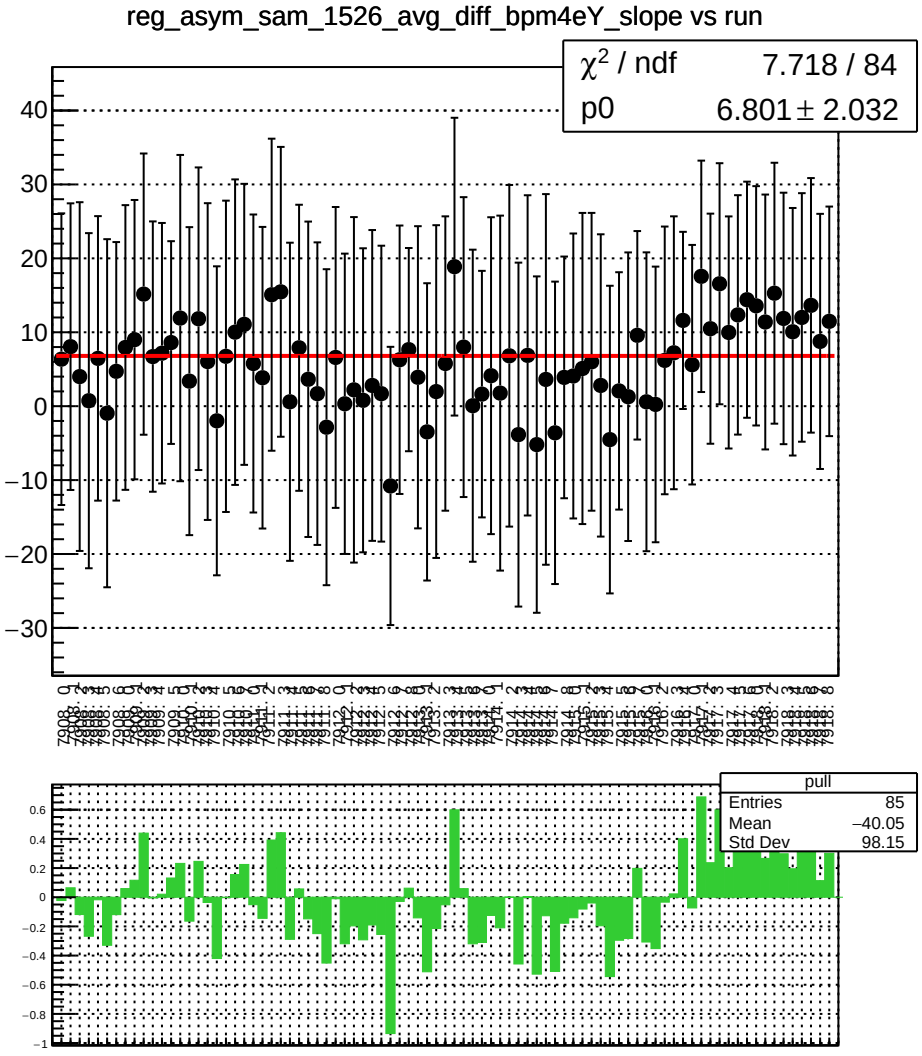

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 88.99 / 84
p0 −51.09 ± 1.728
pull
Entries 85
Mean −88.01
Std Dev 136.7
pull1D
Entries 85
Mean −0.1236
Std Dev 1.016

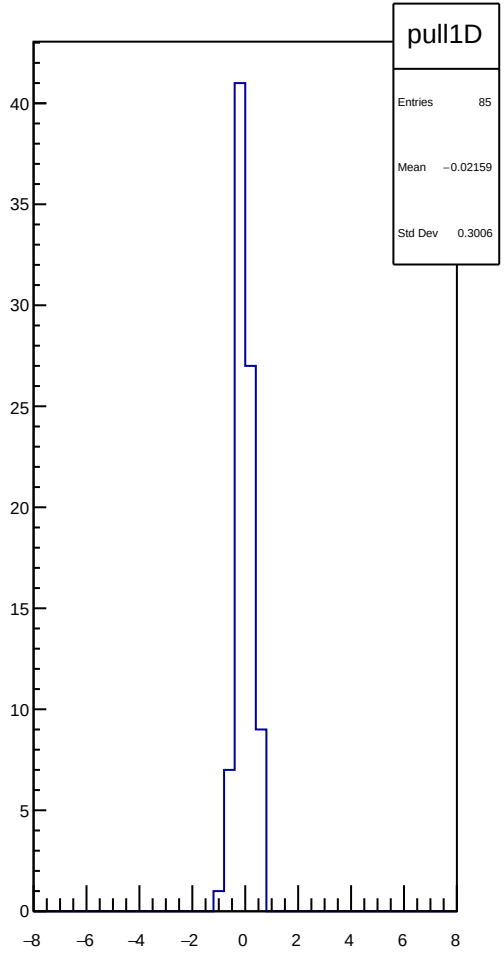

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.59 / 84
p0 7.196 ± 1.748
pull
Entries 85
Mean −86.24
Std Dev 138.6

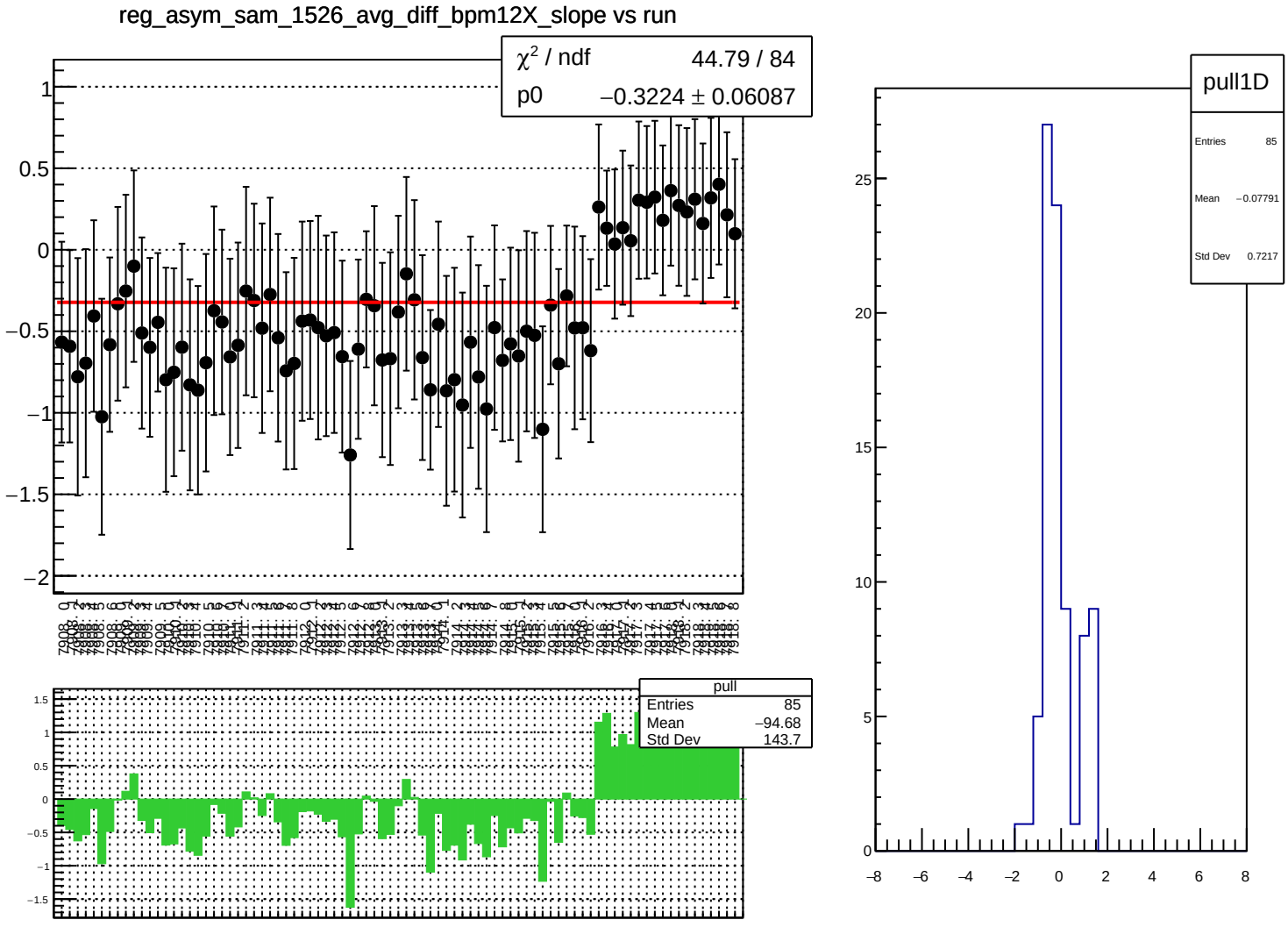

pull1D
Entries 85
Mean 0.02777
Std Dev 0.3519

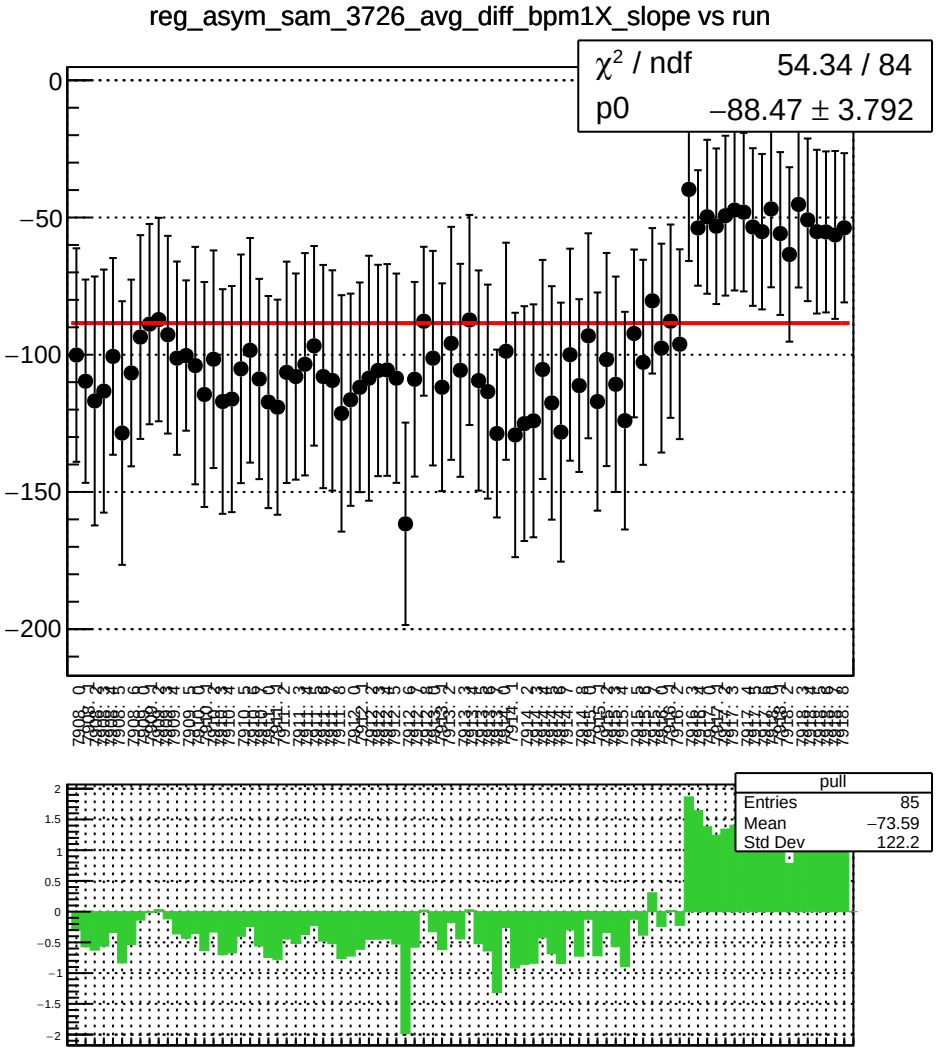

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.18 / 84
p0 8.205 ± 1.473
pull
Entries 85
Mean −124.2
Std Dev 173.6

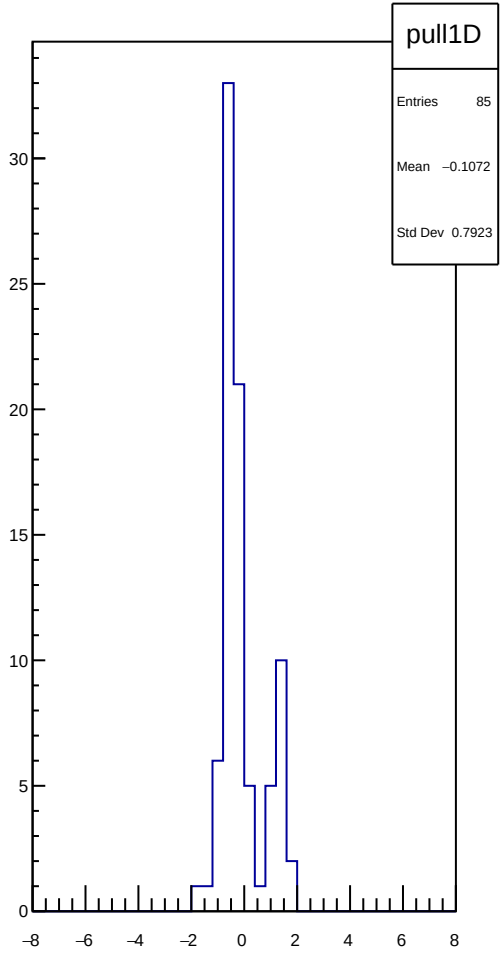

pull1D
Entries 85
Mean 0.09016
Std Dev 0.967

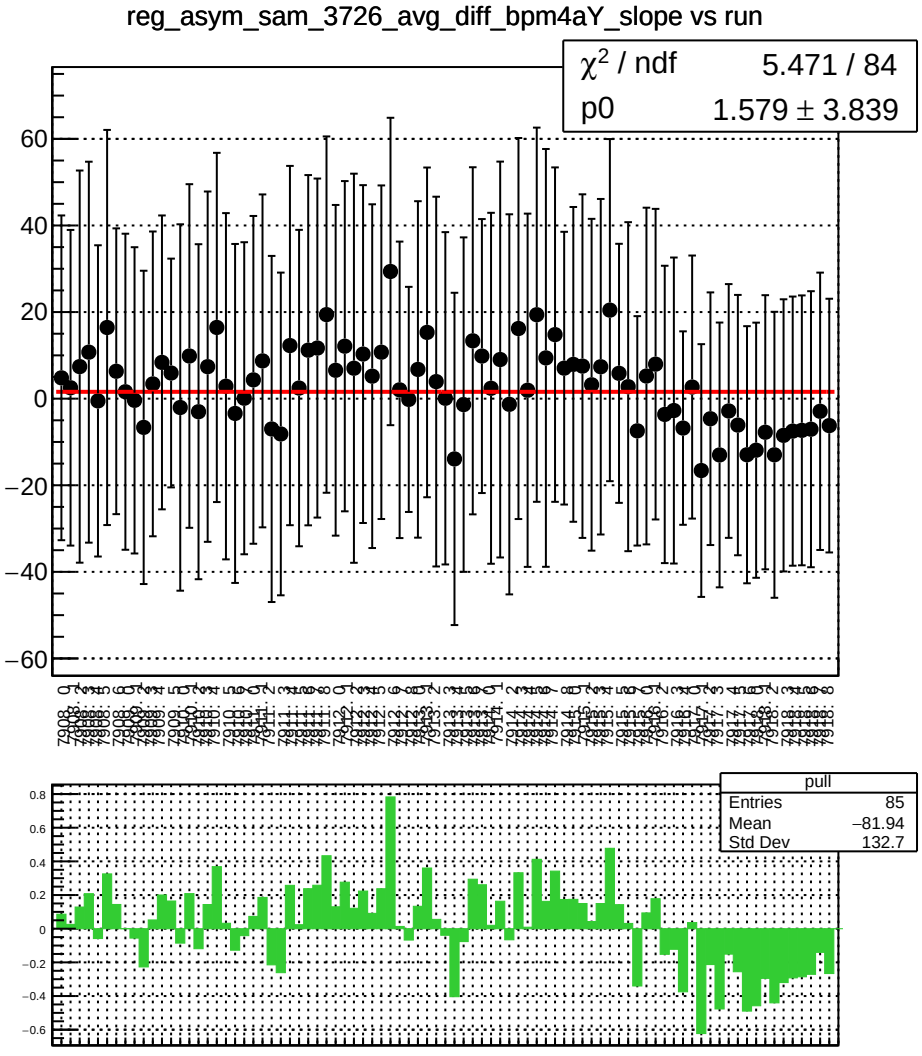

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.718 / 84
p0 6.801 ± 2.032
pull
Entries 85
Mean −40.05
Std Dev 98.15

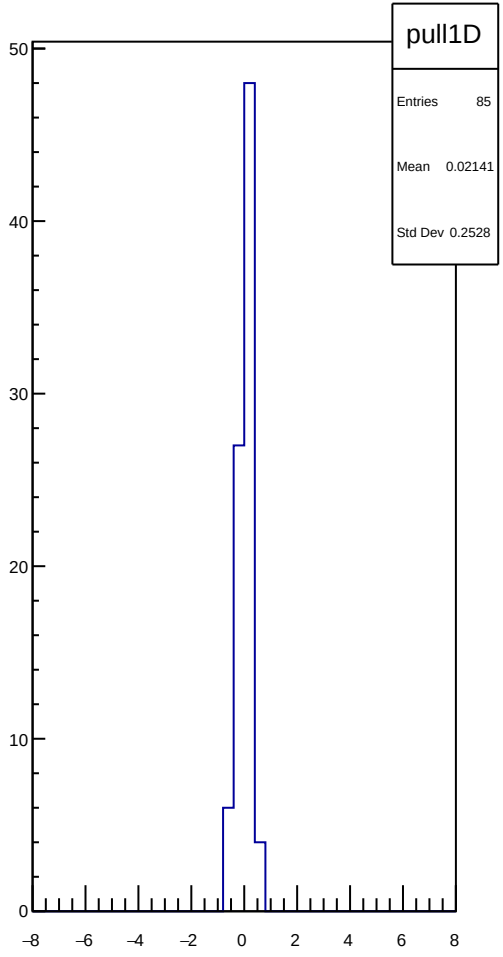

pull1D
Entries 85
Mean −0.02159
Std Dev 0.3006

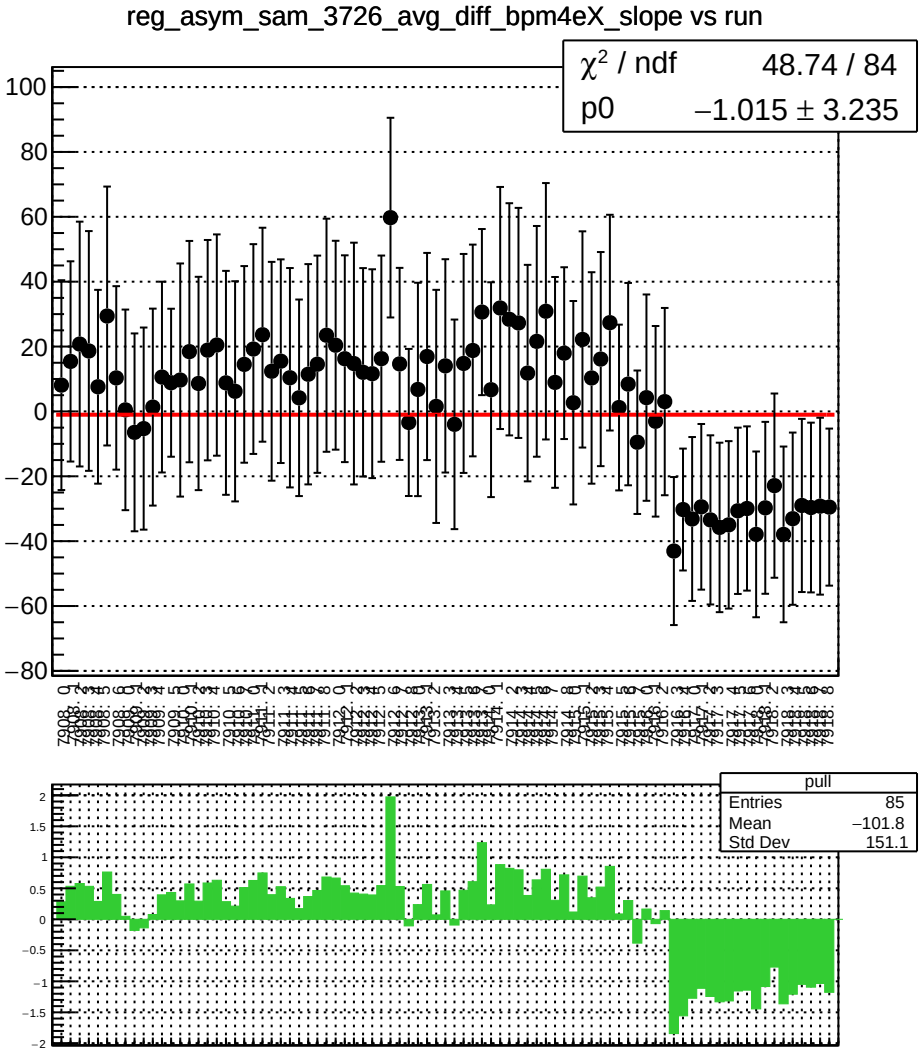

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 44.79 / 84
p0 −0.3224 ± 0.06087
pull
Entries 85
Mean −94.68
Std Dev 143.7
pull1D
Entries 85
Mean −0.07791
Std Dev 0.7217

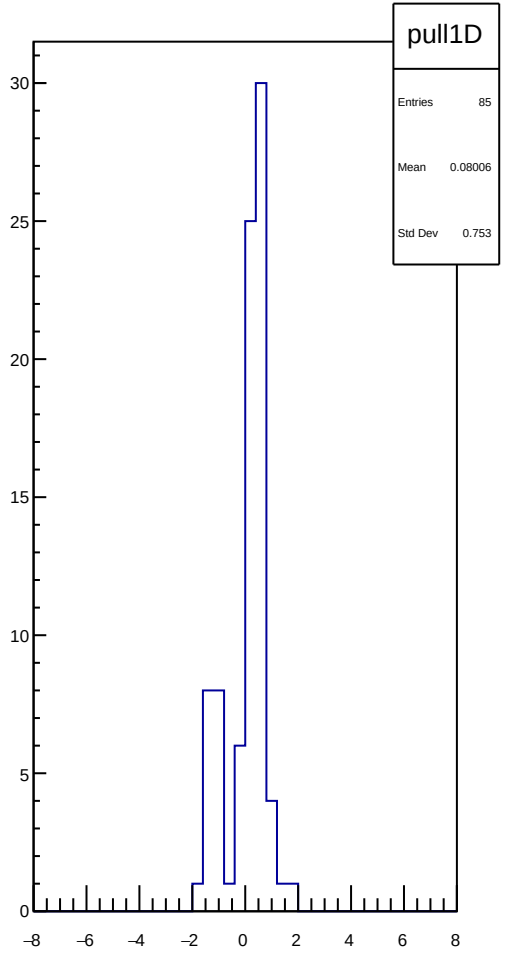

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 54.34 / 84
p0 −88.47 ± 3.792
pull
Entries 85
Mean −73.59
Std Dev 122.2

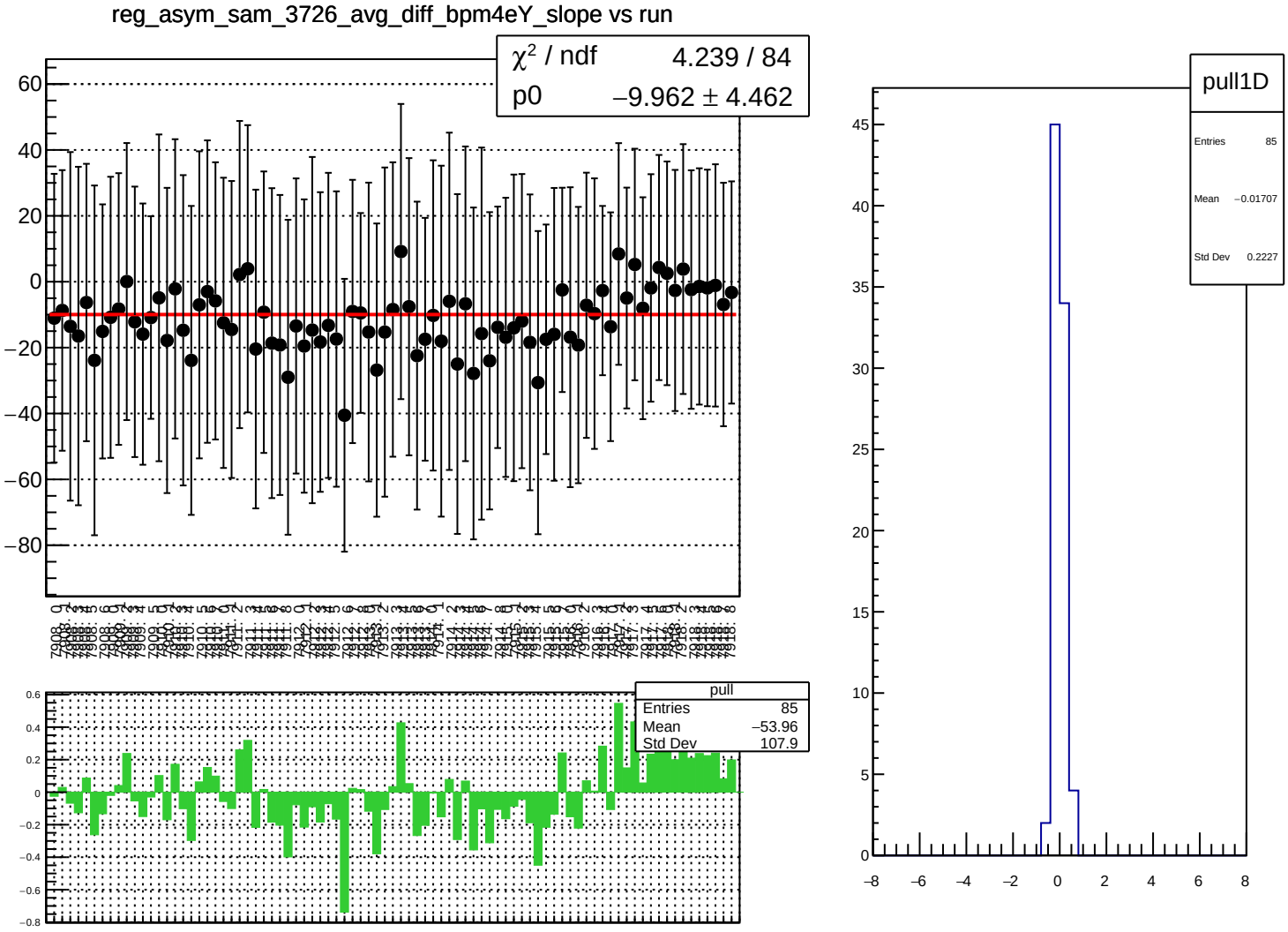

pull1D
Entries 85
Mean −0.1072
Std Dev 0.7923

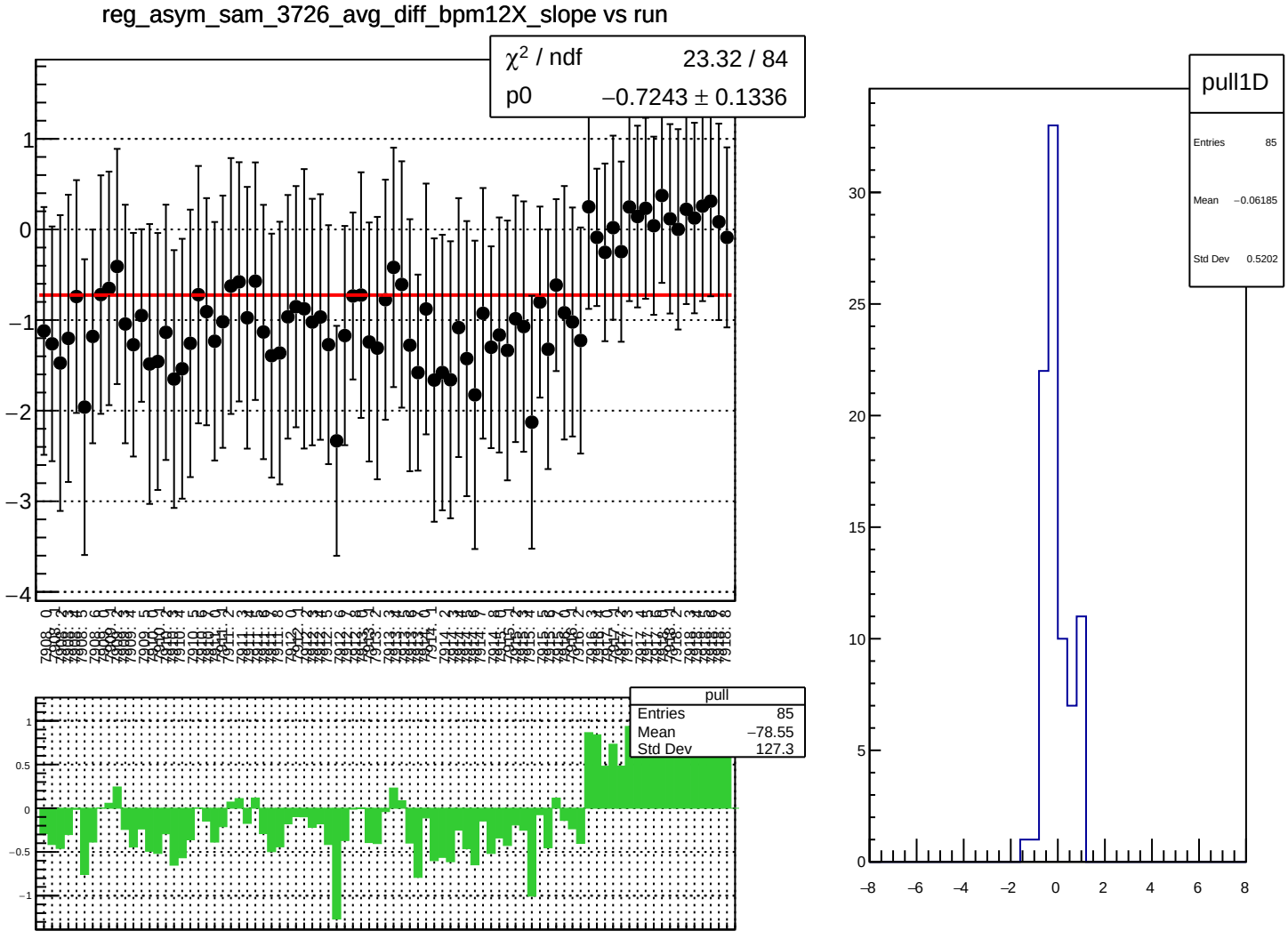

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.471 / 84
p0 1.579 ± 3.839
pull
Entries 85
Mean −81.94
Std Dev 132.7

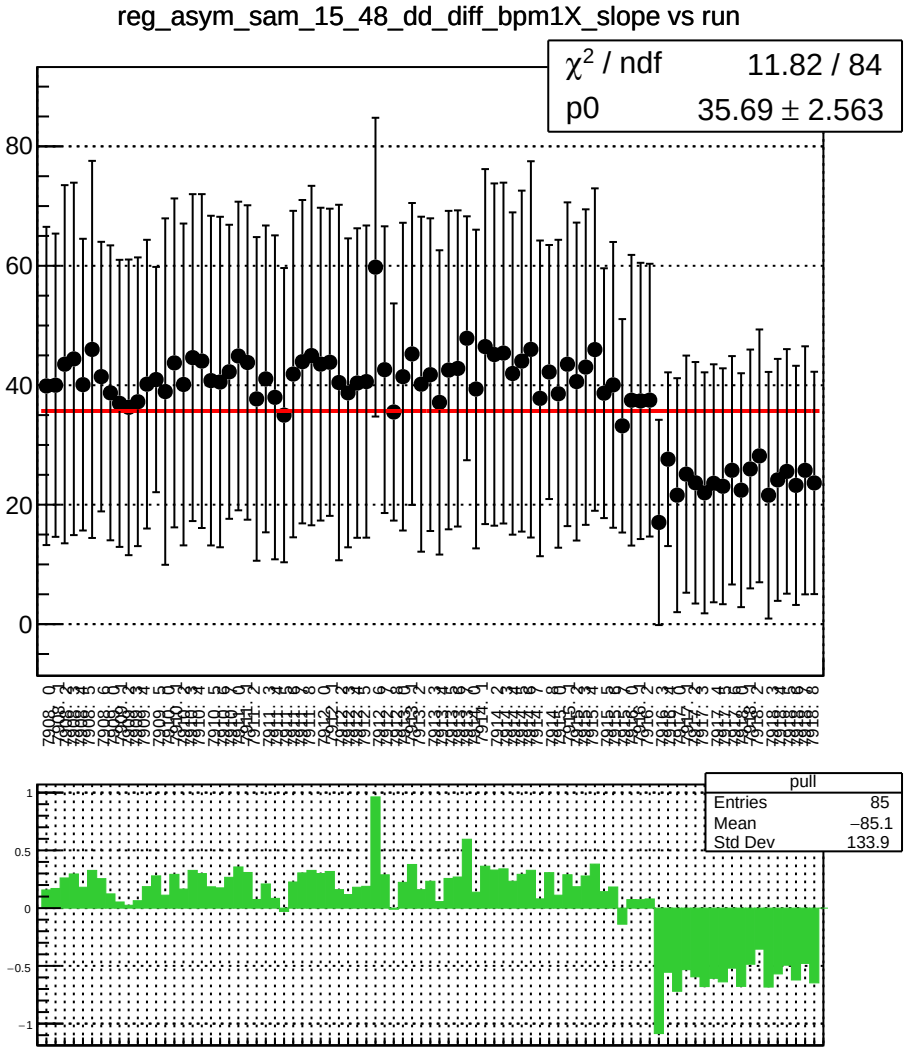

pull1D
Entries 85
Mean 0.02141
Std Dev 0.2528

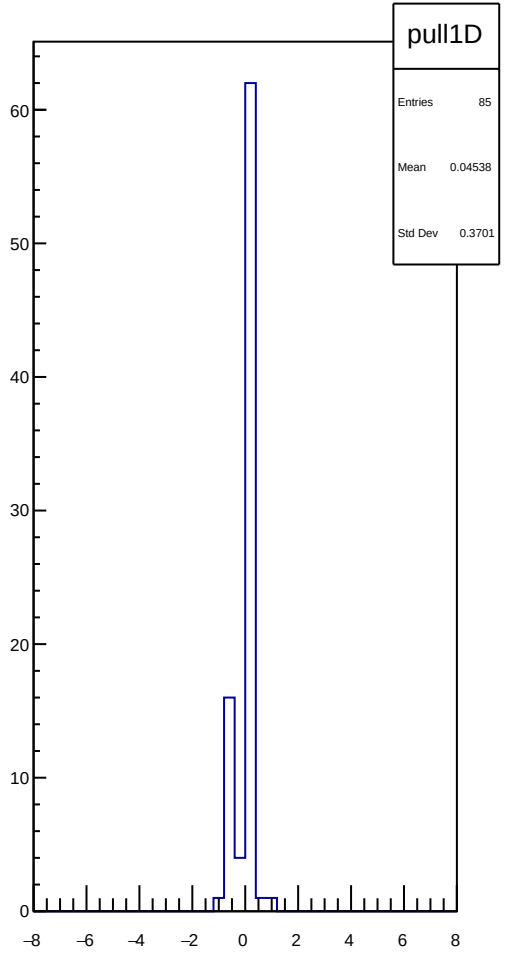

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.74 / 84
p0 −1.015 ± 3.235
pull
Entries 85
Mean −101.8
Std Dev 151.1

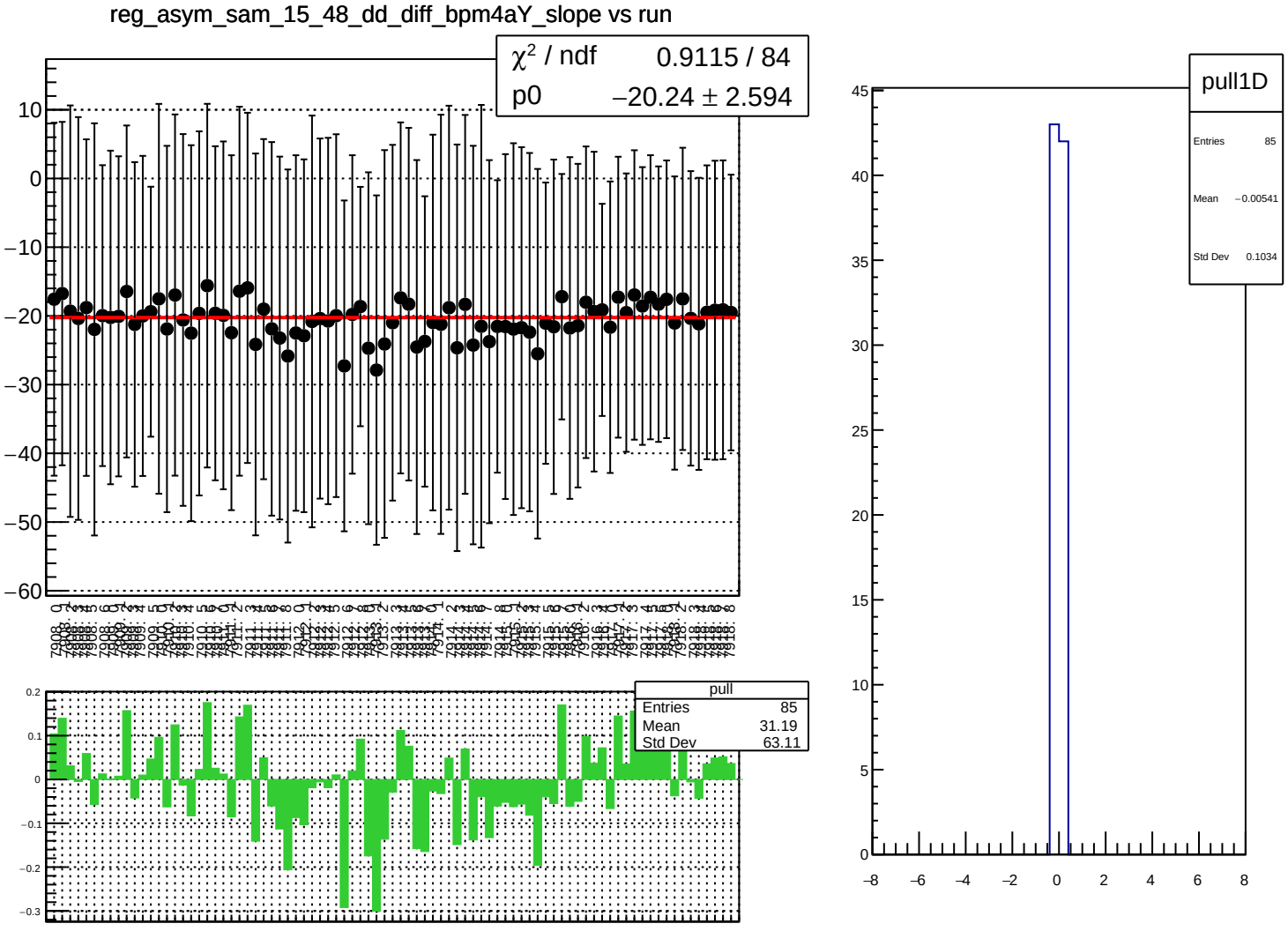

pull1D
Entries 85
Mean 0.08006
Std Dev 0.753

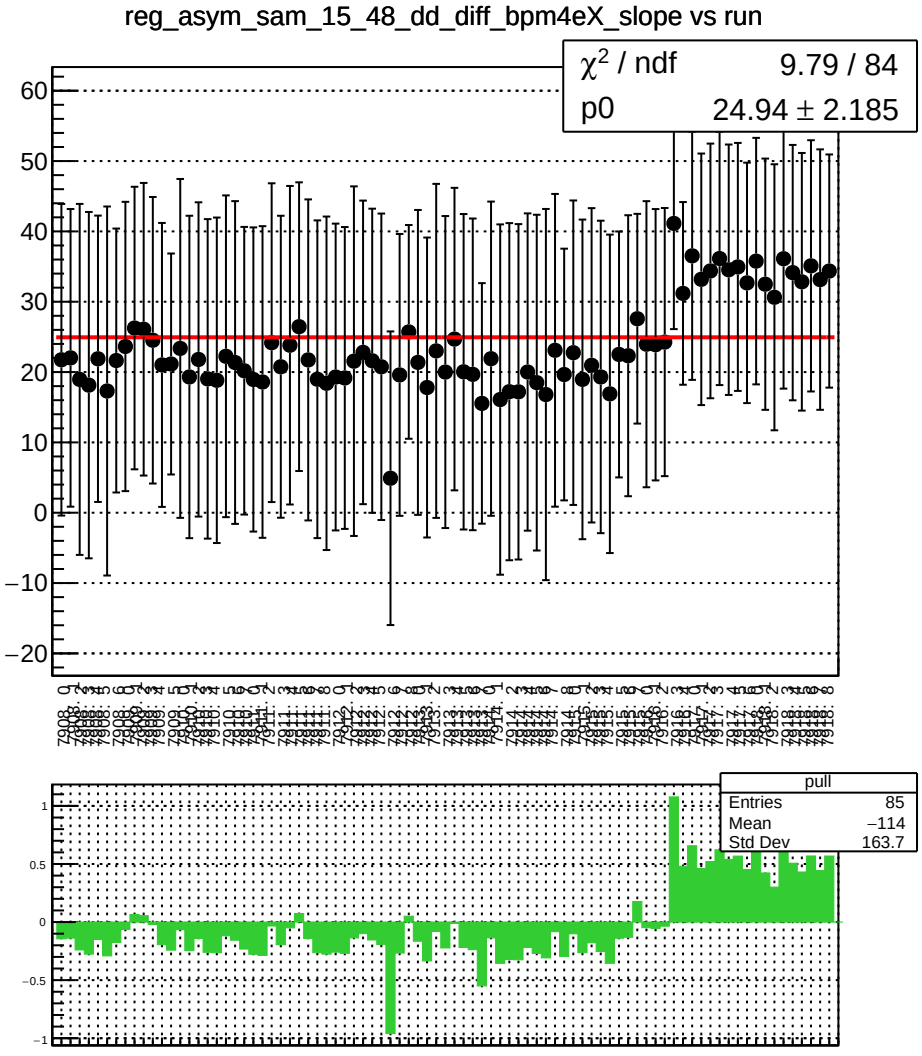

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.239 / 84
p0 −9.962 ± 4.462
pull
Entries 85
Mean −53.96
Std Dev 107.9
pull1D
Entries 85
Mean −0.01707
Std Dev 0.2227

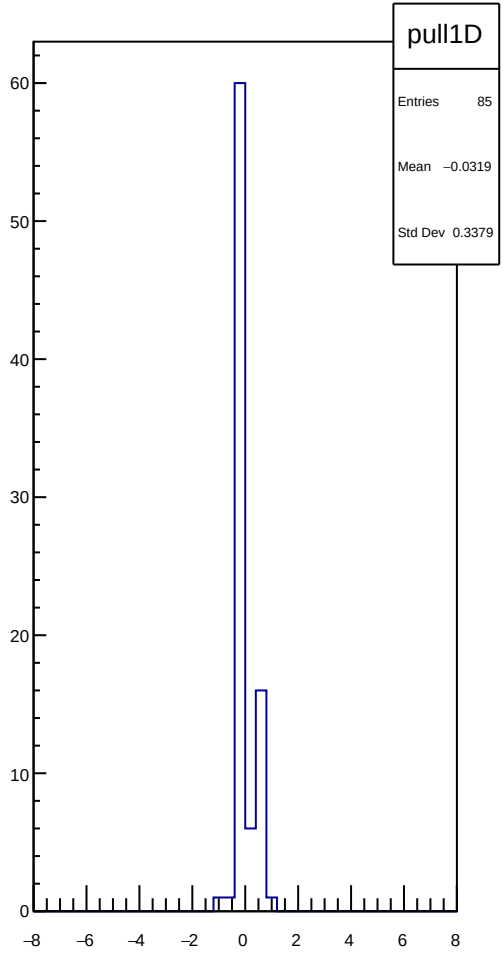

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 23.32 / 84
p0 −0.7243 ± 0.1336
pull
Entries 85
Mean −78.55
Std Dev 127.3
pull1D
Entries 85
Mean −0.06185
Std Dev 0.5202

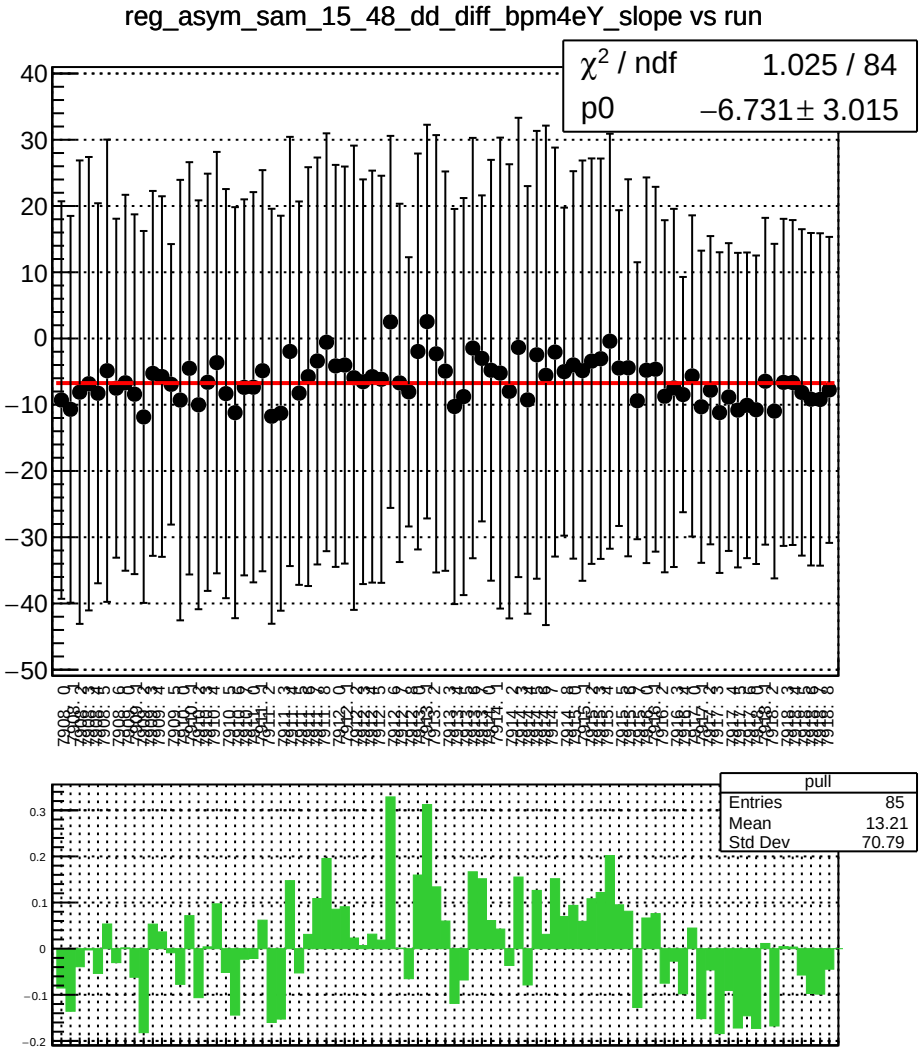

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 11.82 / 84
p0 35.69 ± 2.563
pull
Entries 85
Mean −85.1
Std Dev 133.9

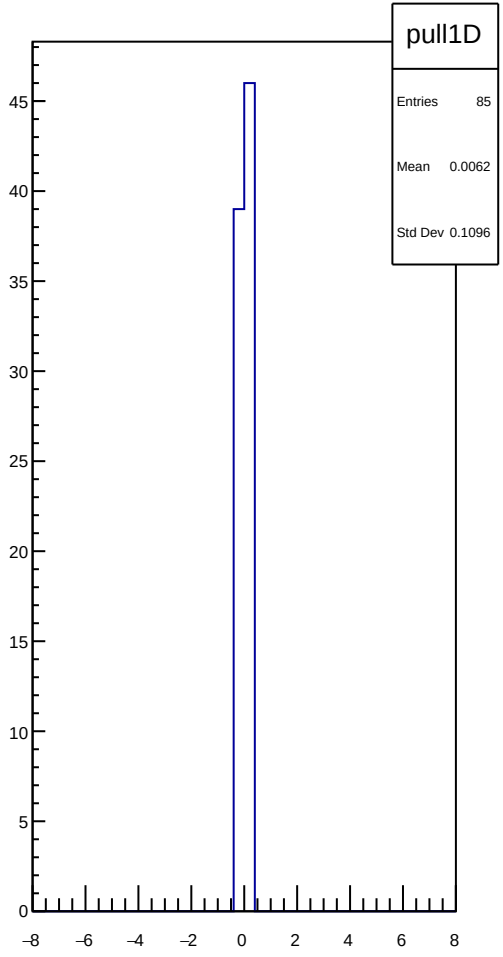

pull1D
Entries 85
Mean 0.04538
Std Dev 0.3701

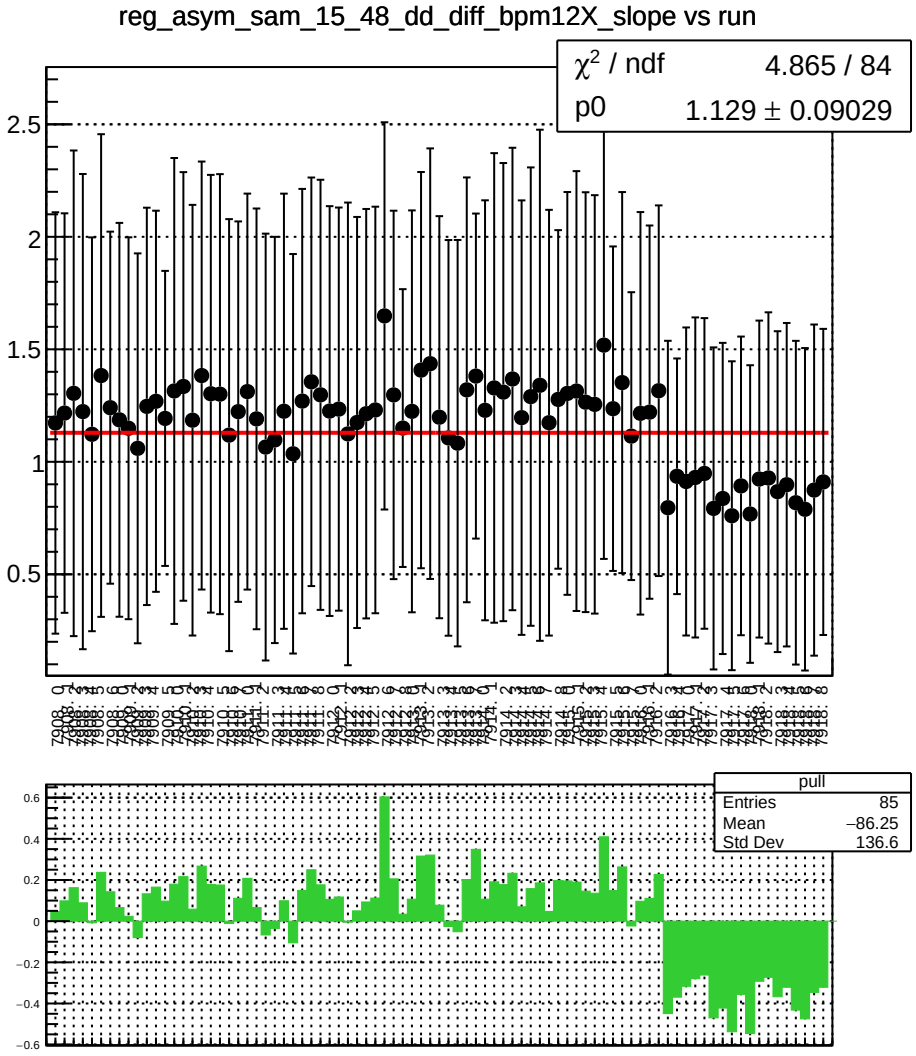

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.9115 / 84
p0 −20.24 ± 2.594
pull
Entries 85
Mean 31.19
Std Dev 63.11
pull1D
Entries 85
Mean −0.00541
Std Dev 0.1034

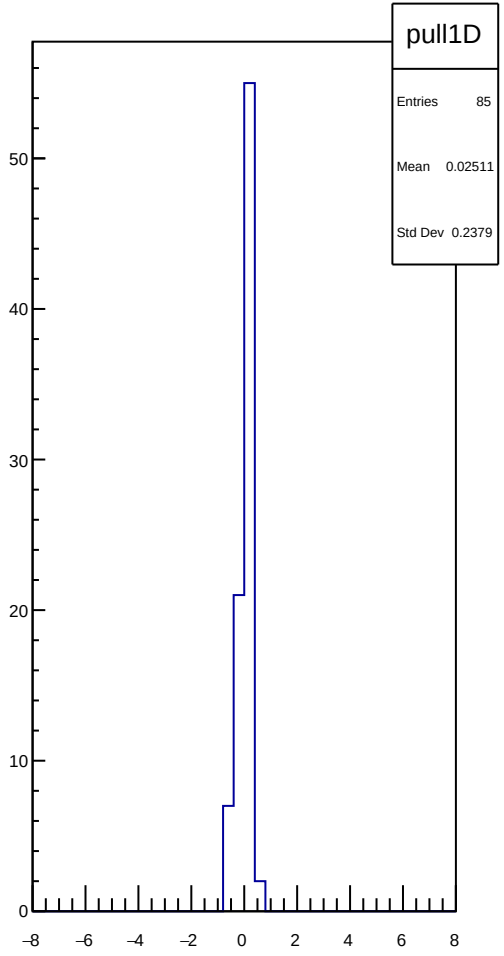

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.79 / 84
p0 24.94 ± 2.185
pull
Entries 85
Mean −114
Std Dev 163.7

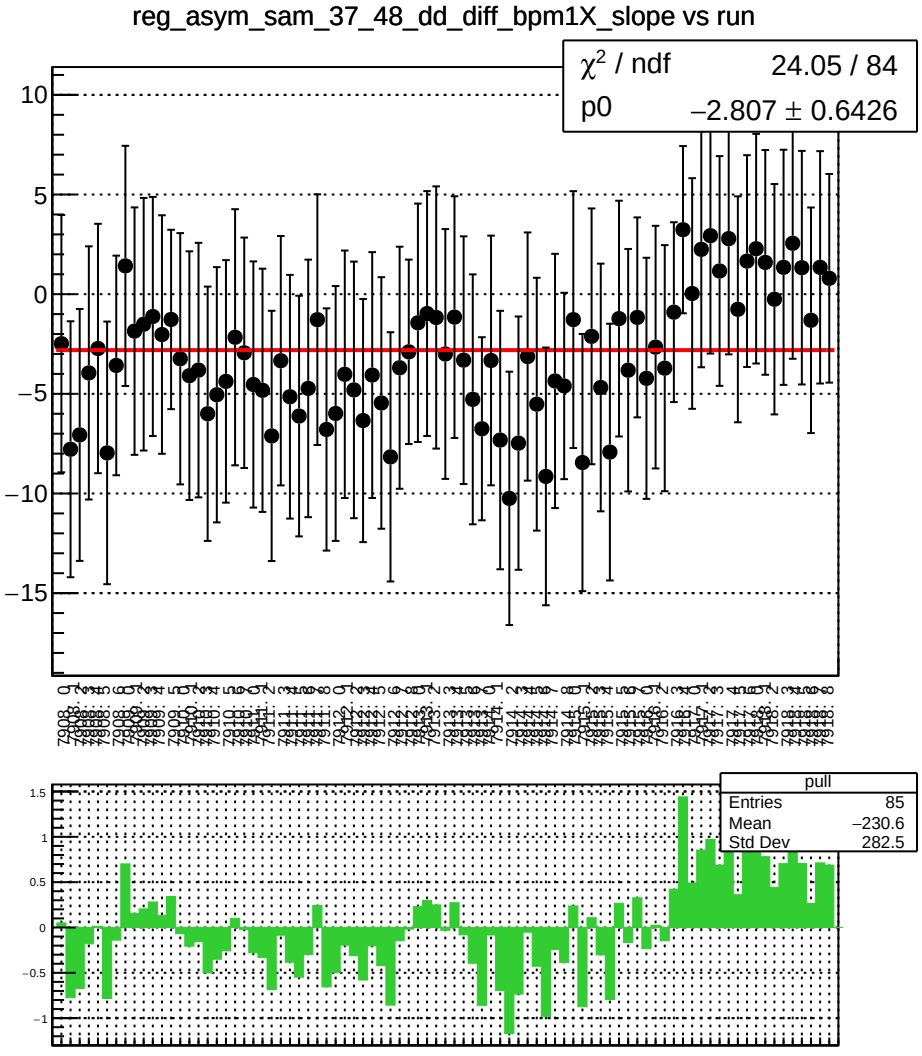

pull1D
Entries 85
Mean −0.0319
Std Dev 0.3379

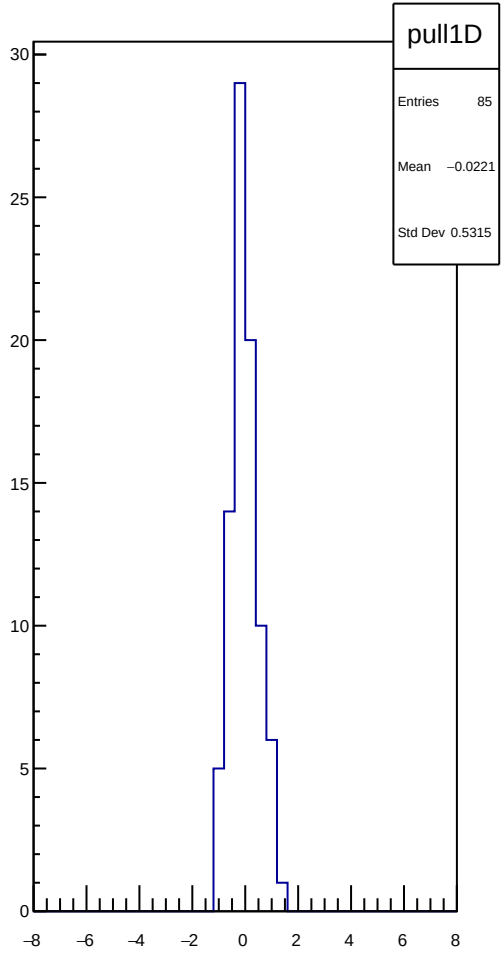

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.025 / 84
p0 −6.731 ± 3.015
pull
Entries 85
Mean 13.21
Std Dev 70.79

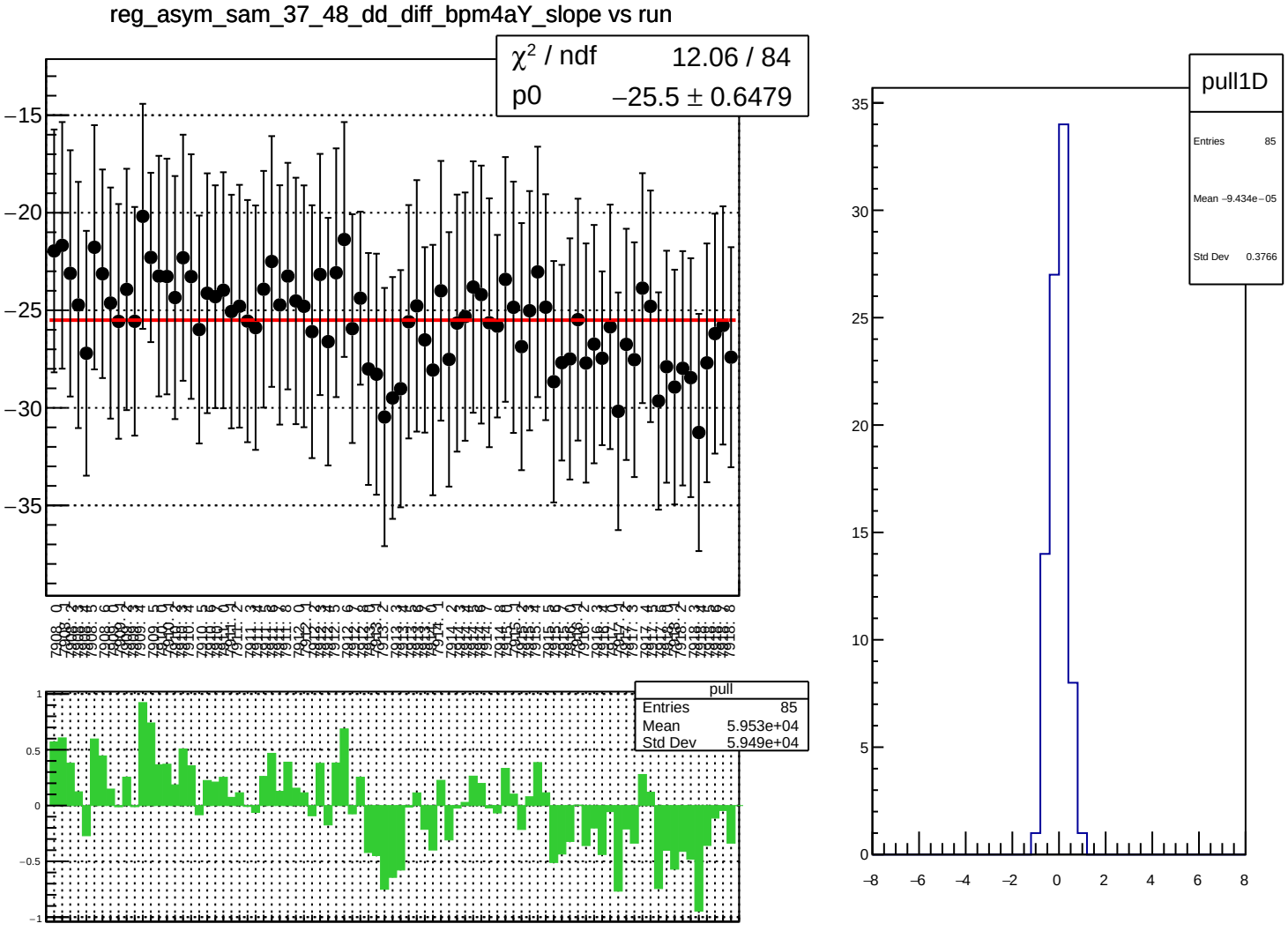

pull1D
Entries 85
Mean 0.0062
Std Dev 0.1096

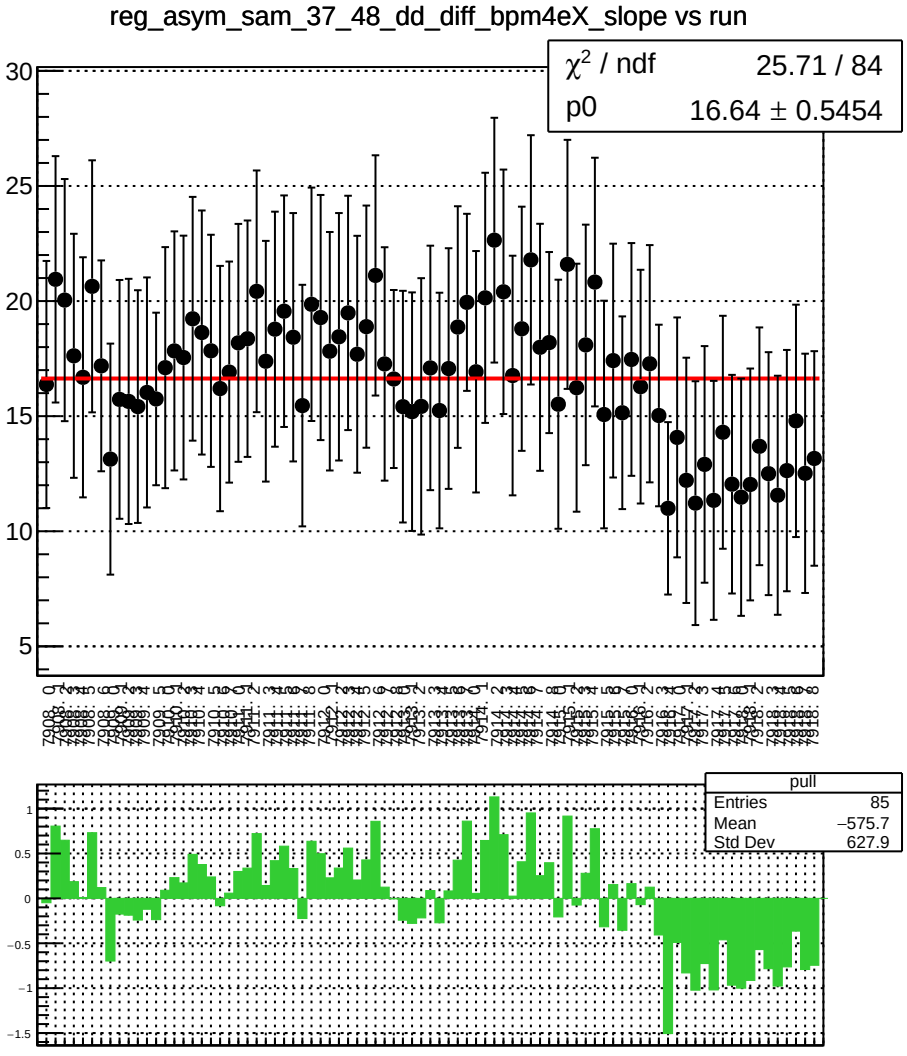

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.865 / 84
p0 1.129 ± 0.09029
pull
Entries 85
Mean −86.25
Std Dev 136.6

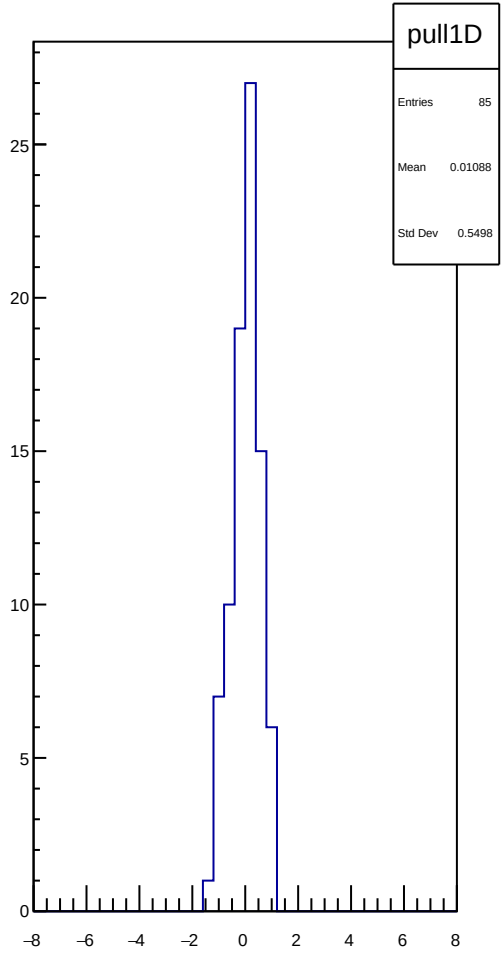

pull1D
Entries 85
Mean 0.02511
Std Dev 0.2379

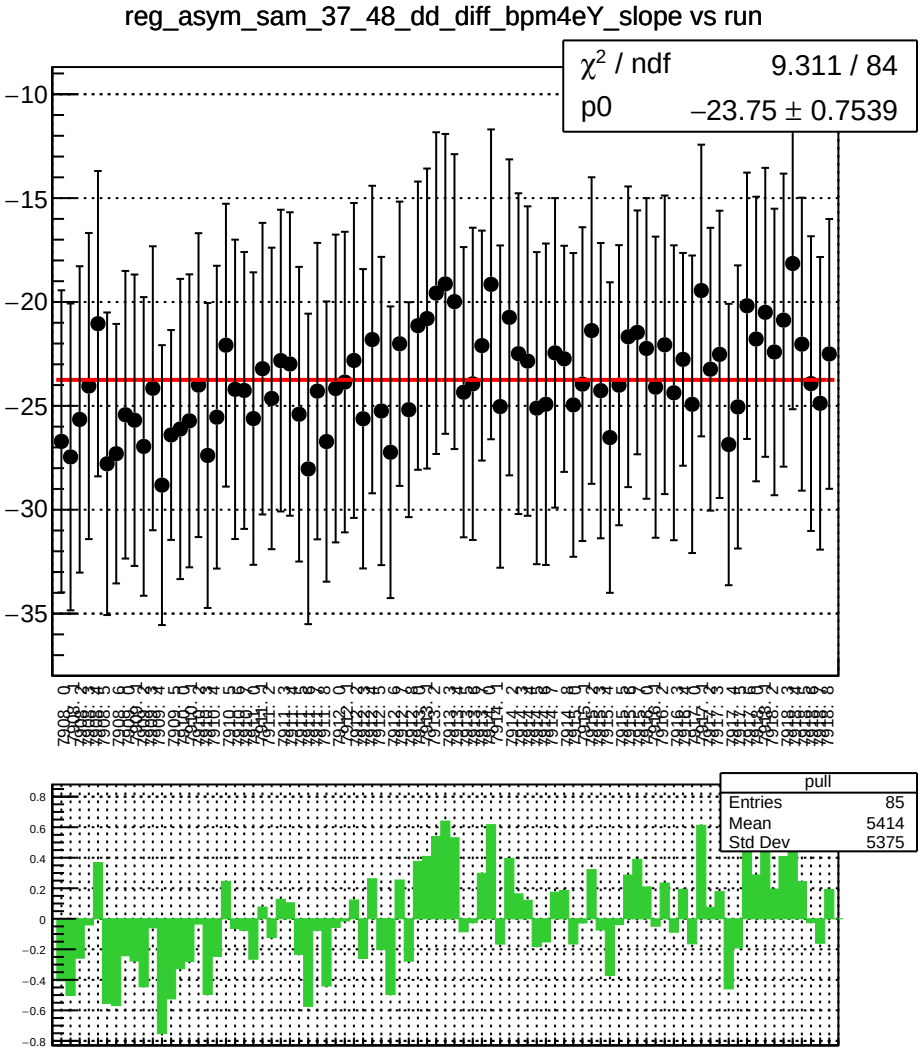

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 24.05 / 84
p0 −2.807 ± 0.6426
pull
Entries 85
Mean −230.6
Std Dev 282.5

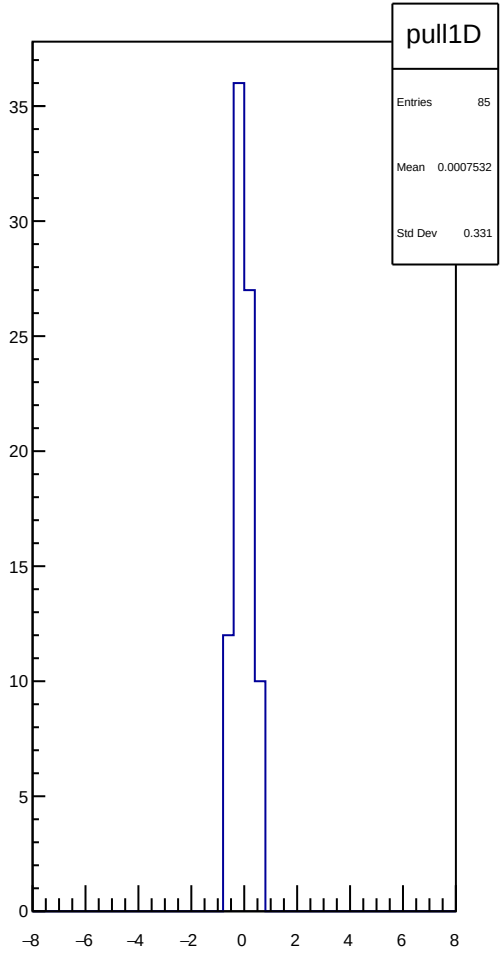

pull1D
Entries 85
Mean −0.0221
Std Dev 0.5315

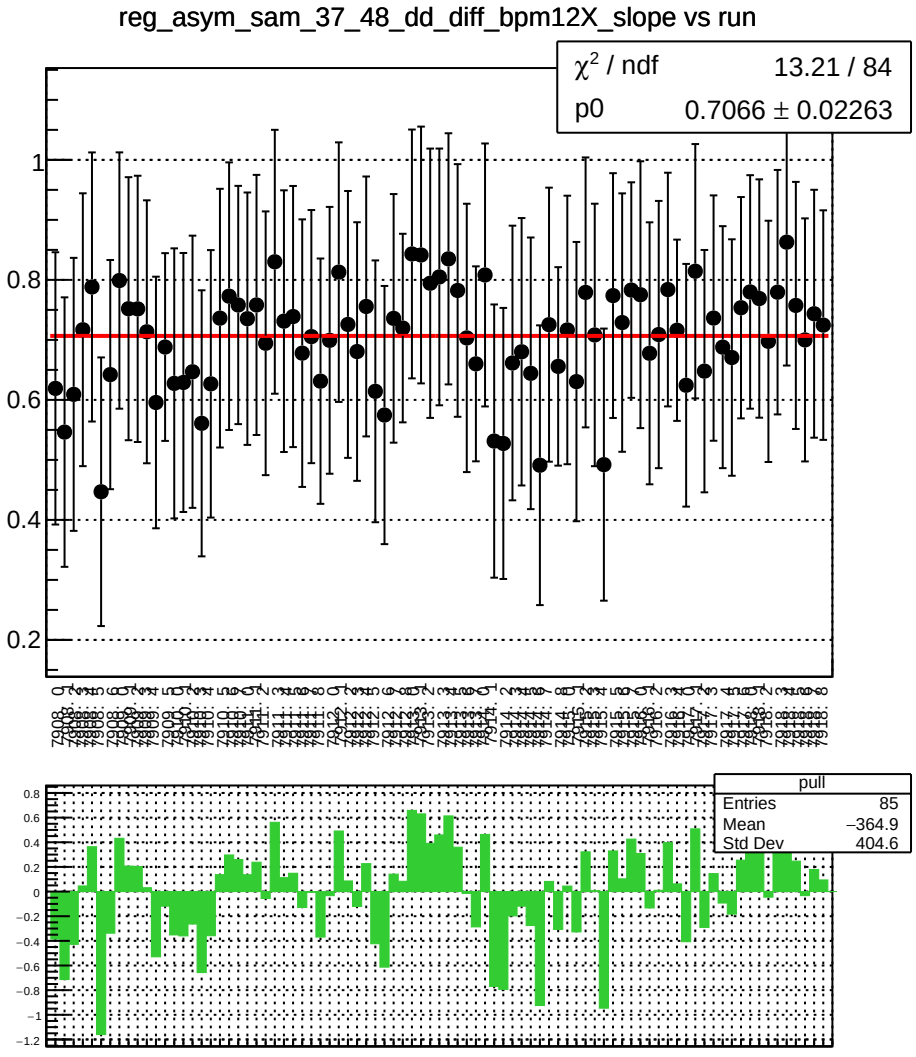

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.06 / 84
p0 −25.5 ± 0.6479
pull
Entries 85
Mean 5.953e+04
Std Dev 5.949e+04
pull1D
Entries 85
Mean −9.434e−05
Std Dev 0.3766

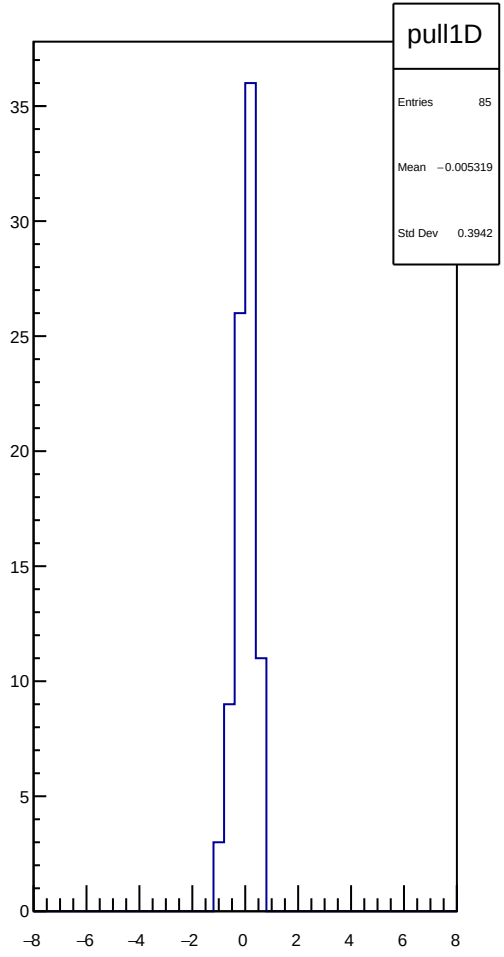

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 25.71 / 84
p0 16.64 ± 0.5454
pull
Entries 85
Mean −575.7
Std Dev 627.9

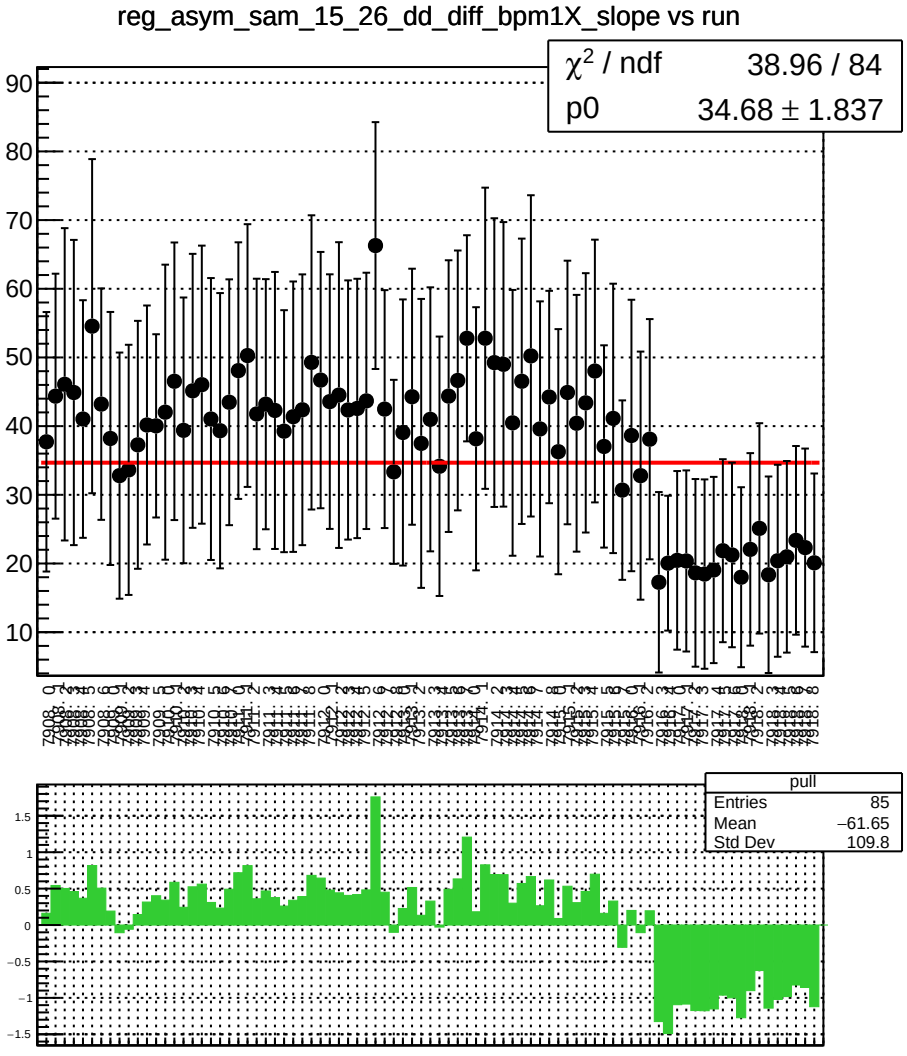

pull1D
Entries 85
Mean 0.01088
Std Dev 0.5498

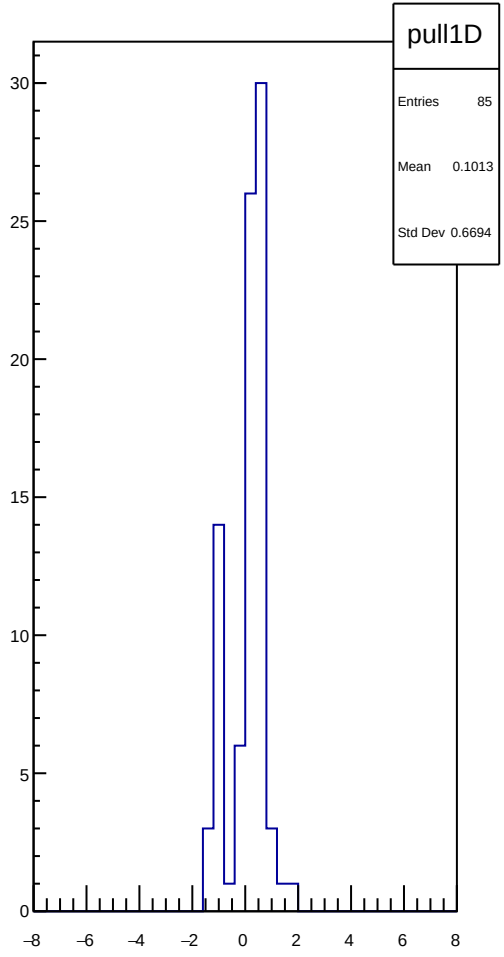

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.311 / 84
p0 −23.75 ± 0.7539
pull
Entries 85
Mean 5414
Std Dev 5375

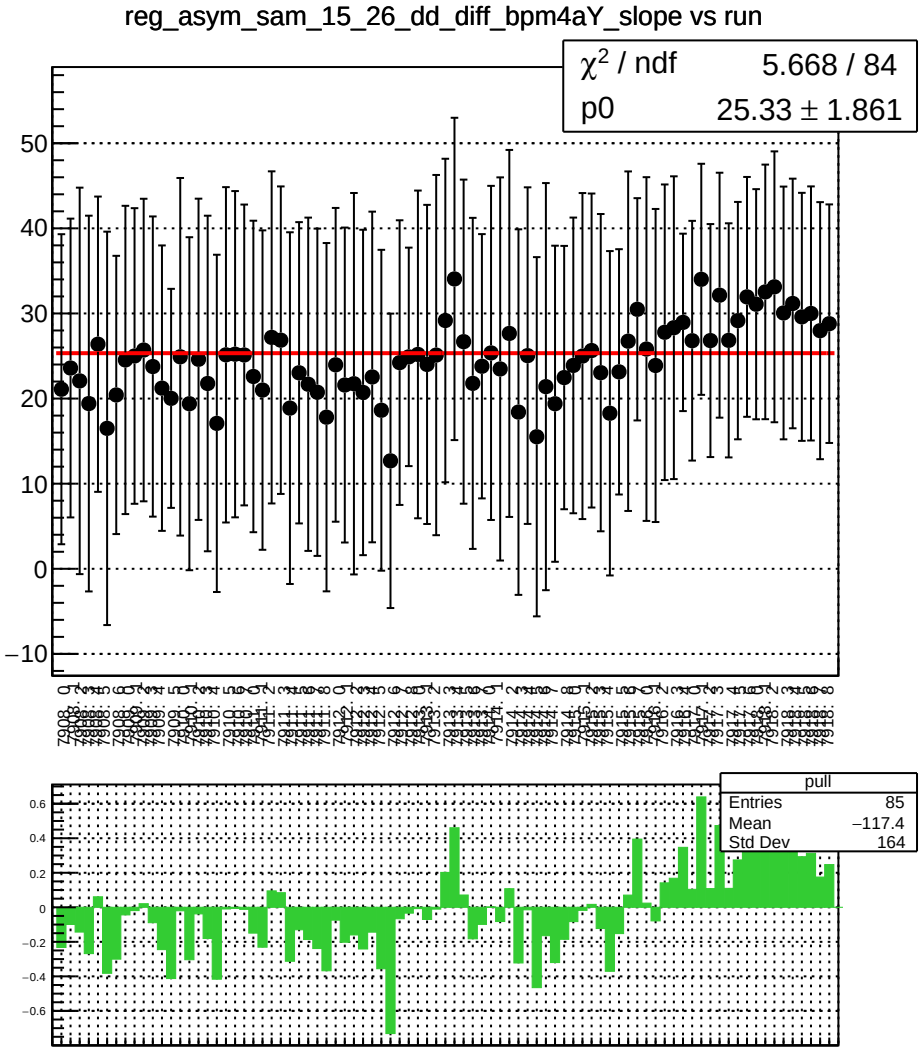

pull1D
Entries 85
Mean 0.0007532
Std Dev 0.331

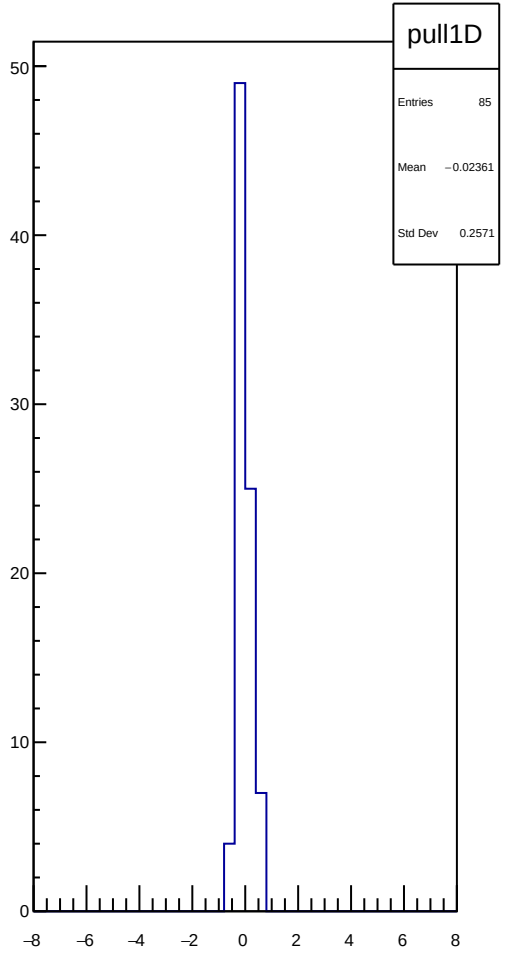

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.21 / 84
p0 0.7066 ± 0.02263
pull
Entries 85
Mean −364.9
Std Dev 404.6

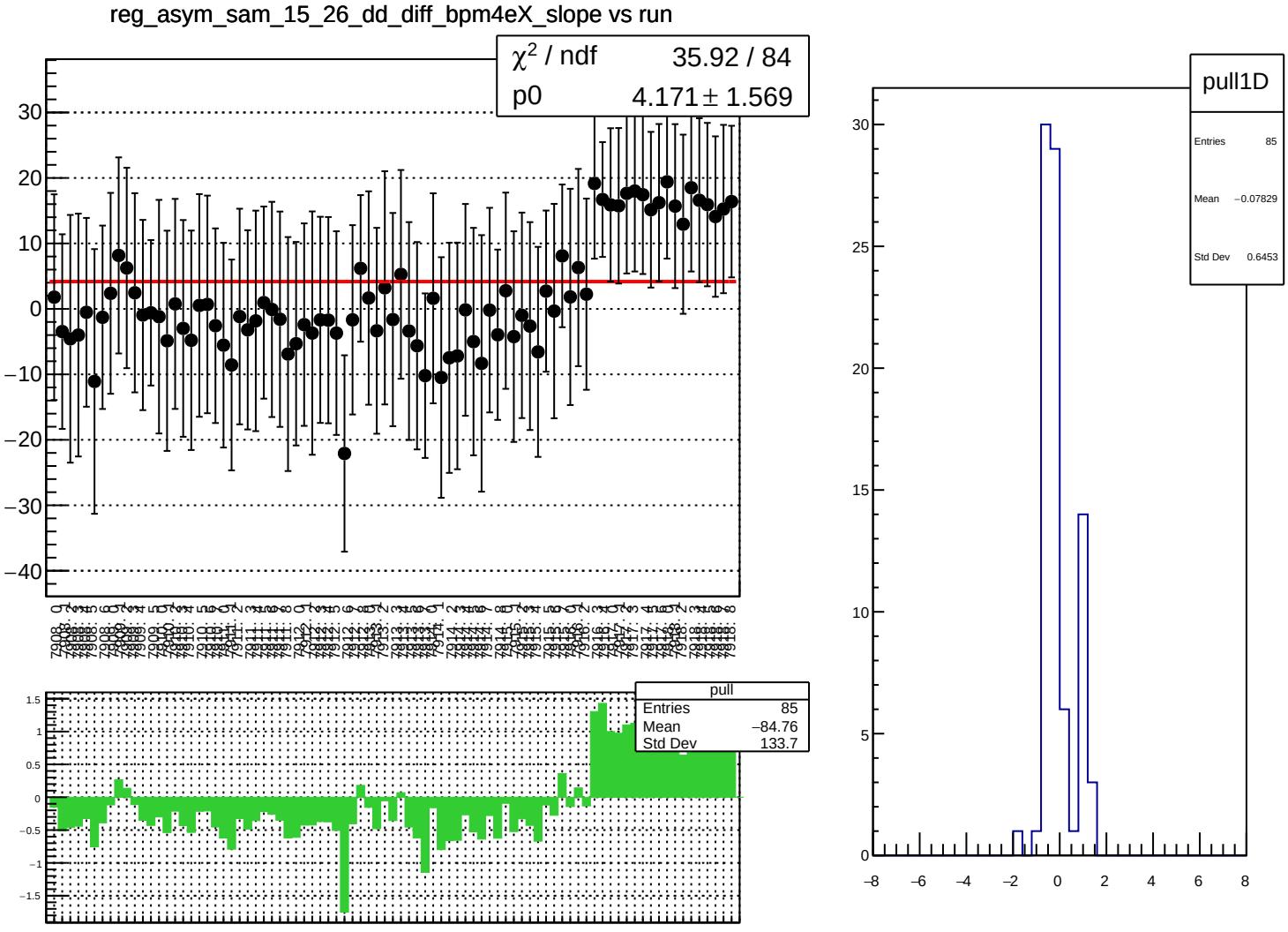

pull1D
Entries 85
Mean −0.005319
Std Dev 0.3942

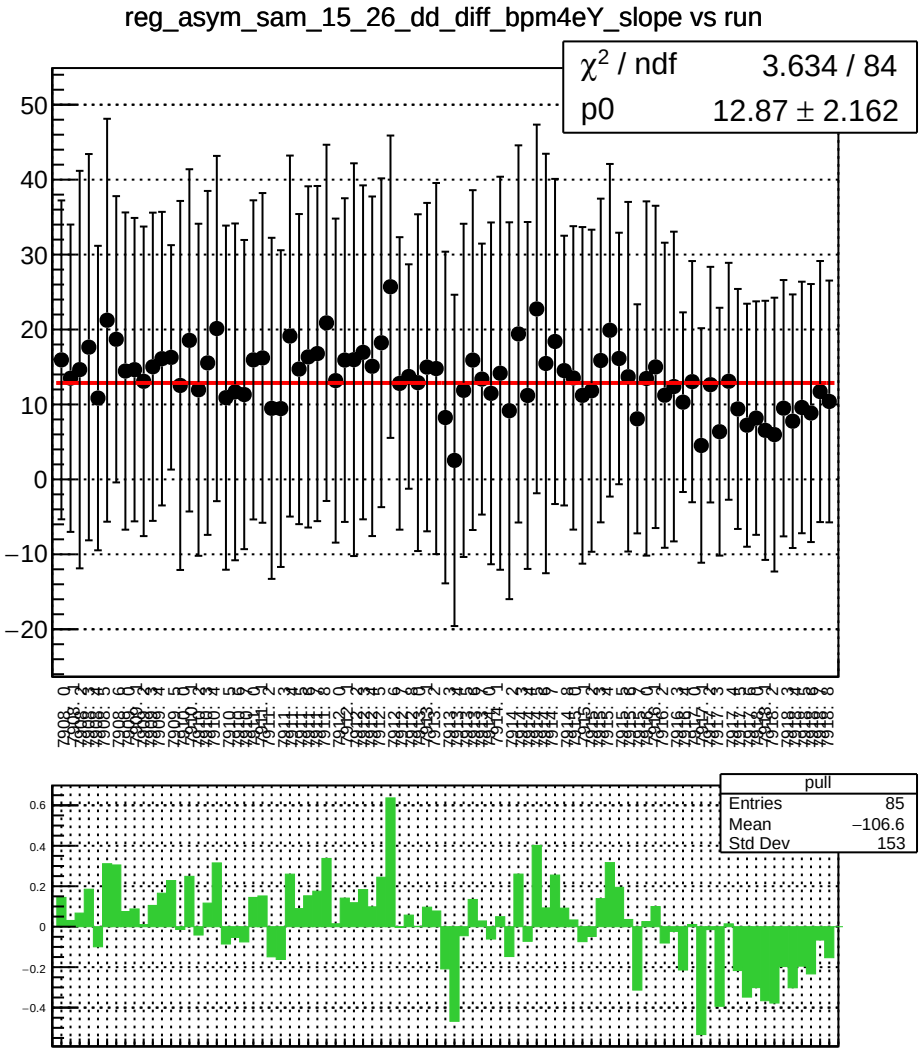

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 38.96 / 84
p0 34.68 ± 1.837
pull
Entries 85
Mean −61.65
Std Dev 109.8

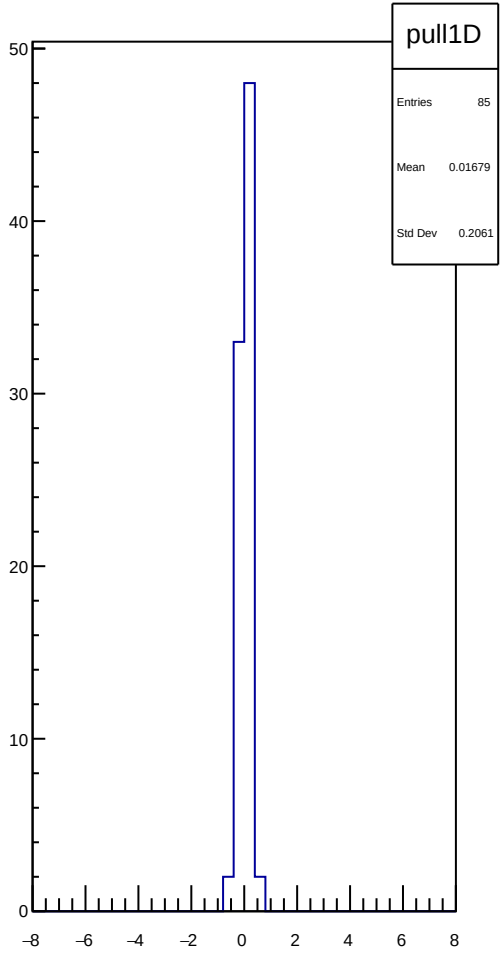

pull1D
Entries 85
Mean 0.1013
Std Dev 0.6694

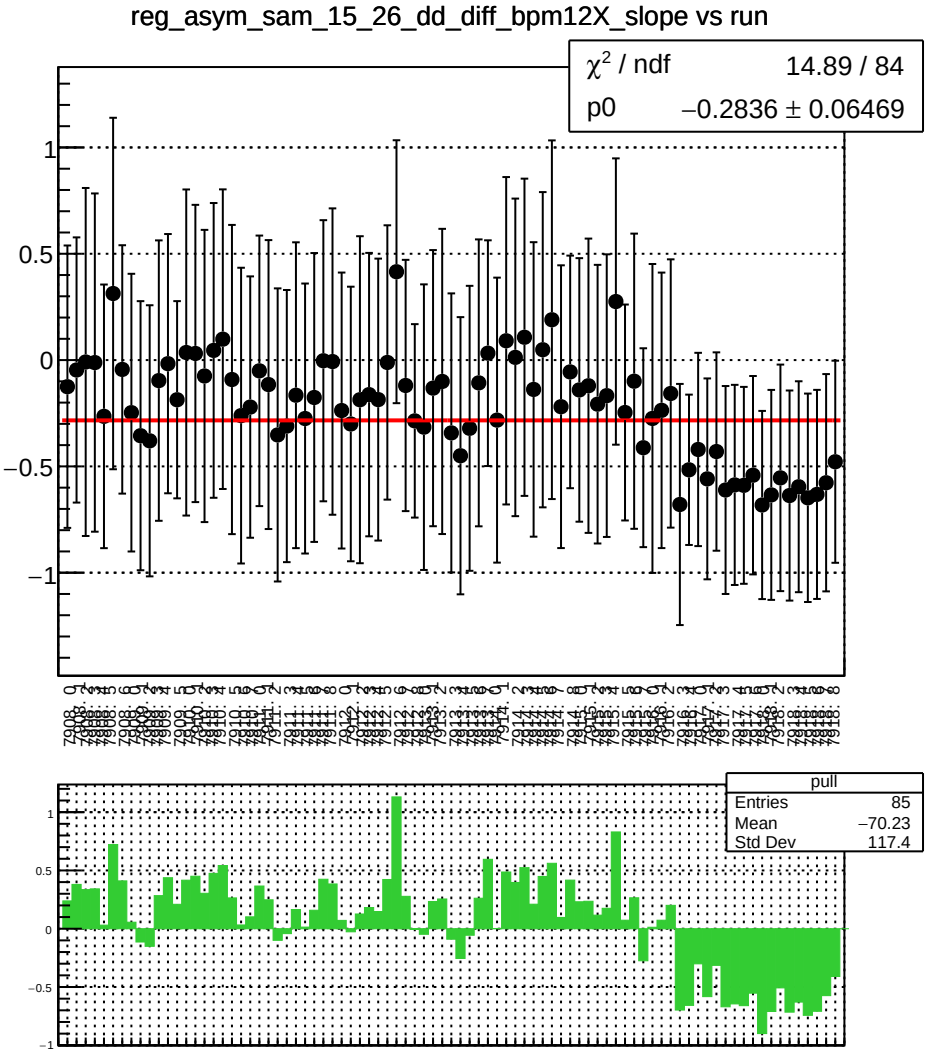

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.668 / 84
p0 25.33 ± 1.861
pull
Entries 85
Mean −117.4
Std Dev 164

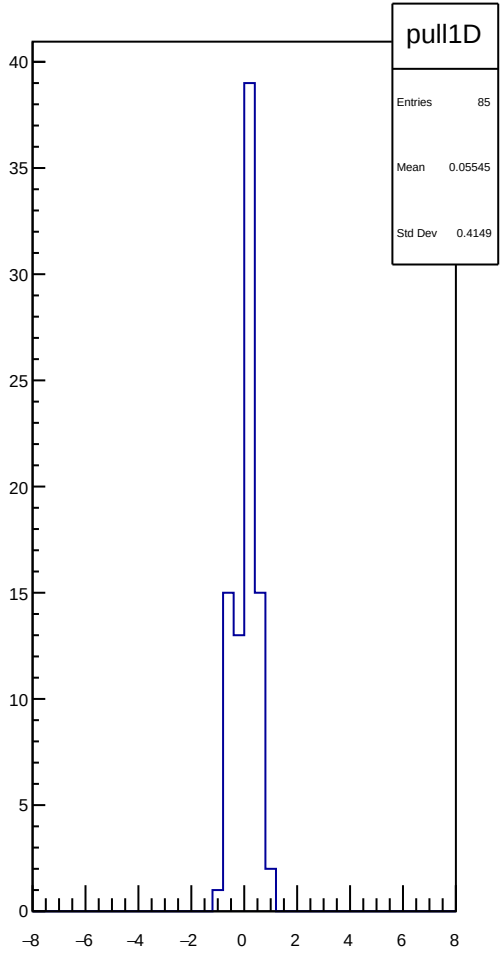

pull1D
Entries 85
Mean −0.02361
Std Dev 0.2571

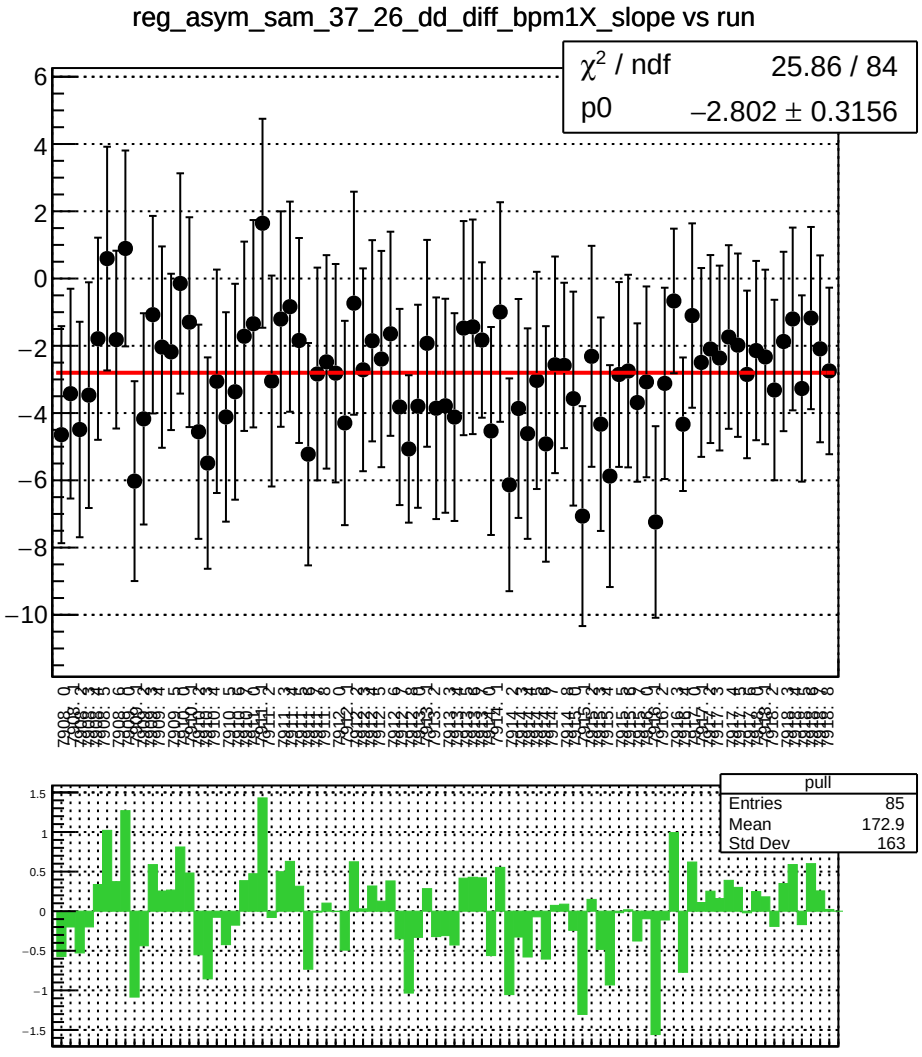

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.92 / 84
p0 4.171 ± 1.569
pull
Entries 85
Mean −84.76
Std Dev 133.7
pull1D
Entries 85
Mean −0.07829
Std Dev 0.6453

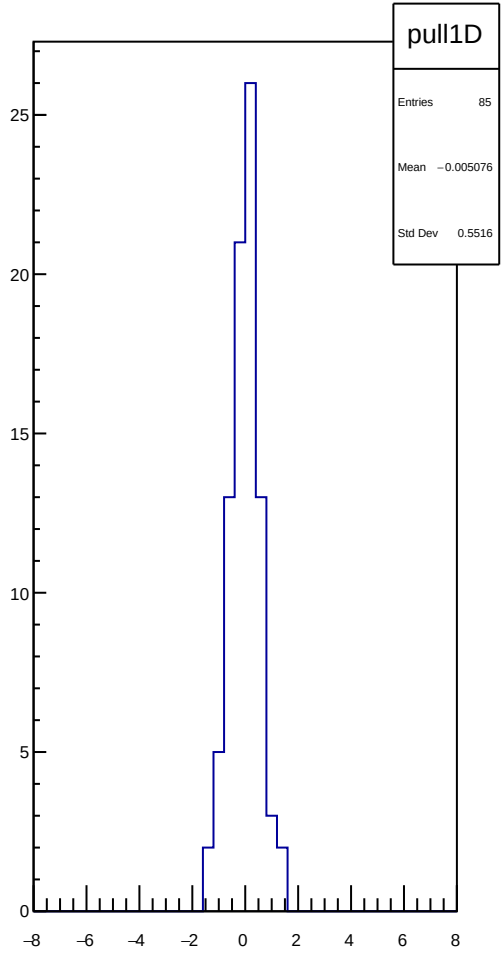

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 3.634 / 84
p0 12.87 ± 2.162
pull
Entries 85
Mean −106.6
Std Dev 153

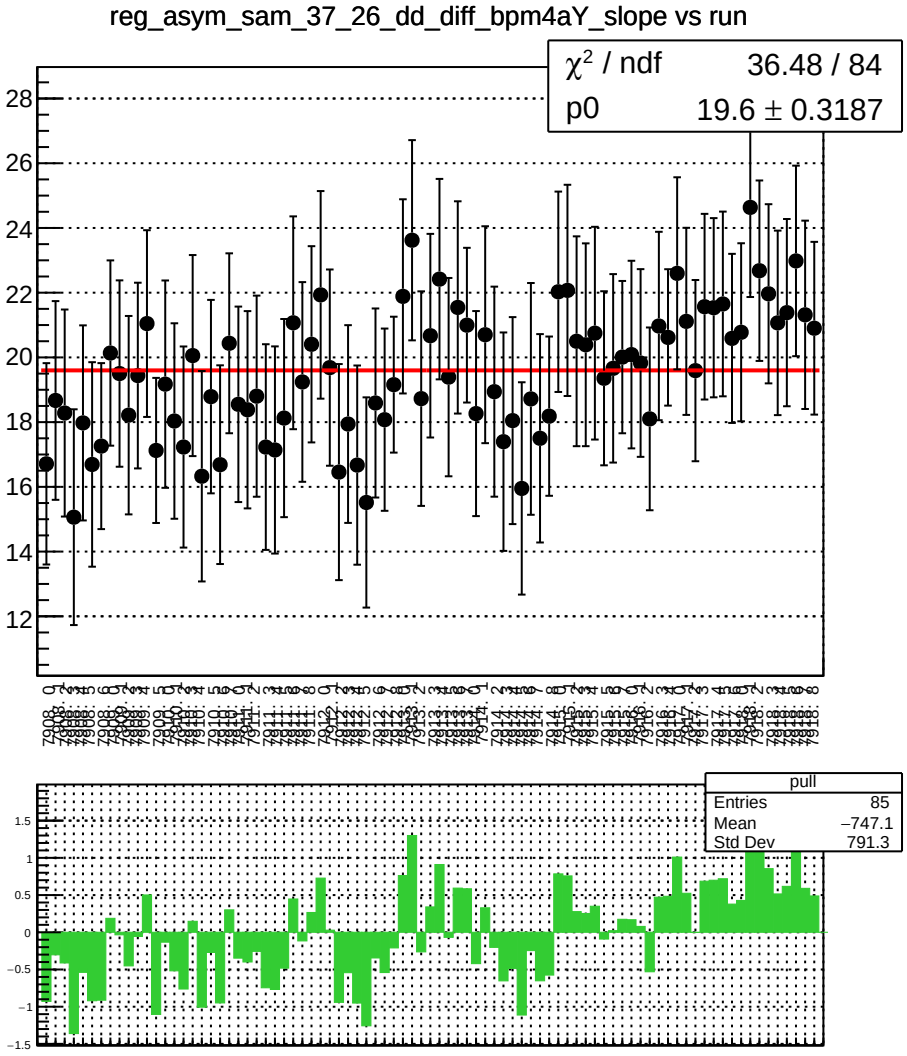

pull1D
Entries 85
Mean 0.01679
Std Dev 0.2061

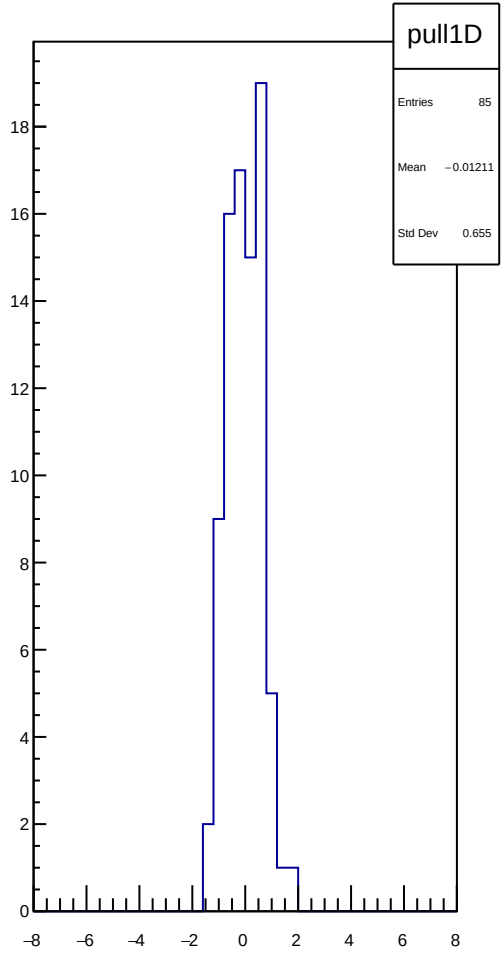

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 14.89 / 84
p0 −0.2836 ± 0.06469
pull
Entries 85
Mean −70.23
Std Dev 117.4

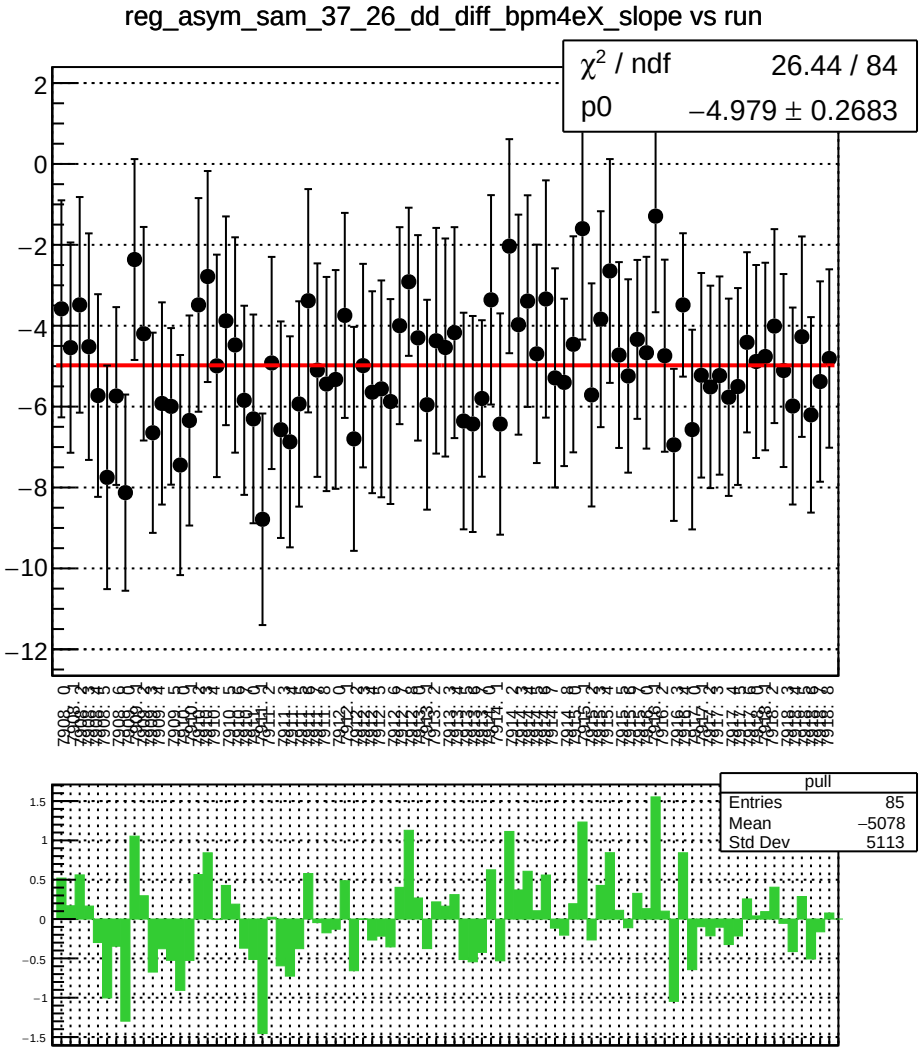

pull1D
Entries 85
Mean 0.05545
Std Dev 0.4149

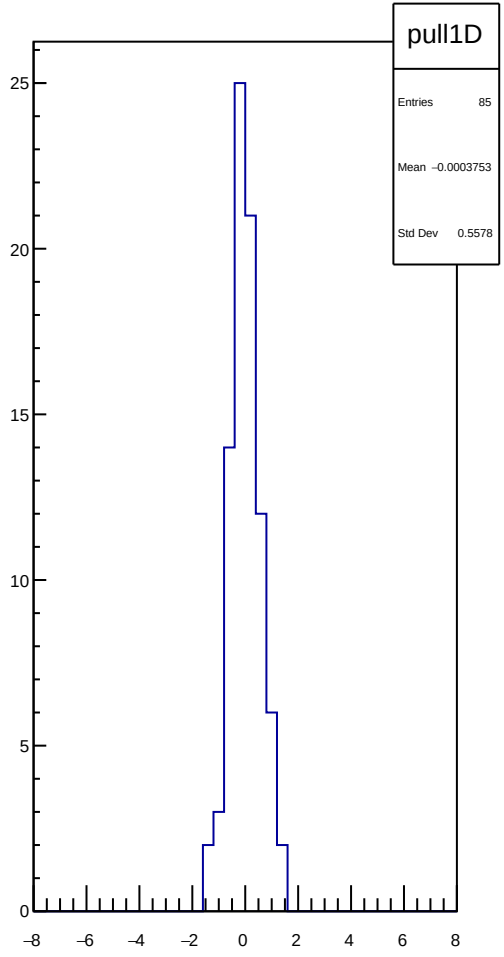

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 25.86 / 84
p0 −2.802 ± 0.3156
pull
Entries 85
Mean 172.9
Std Dev 163

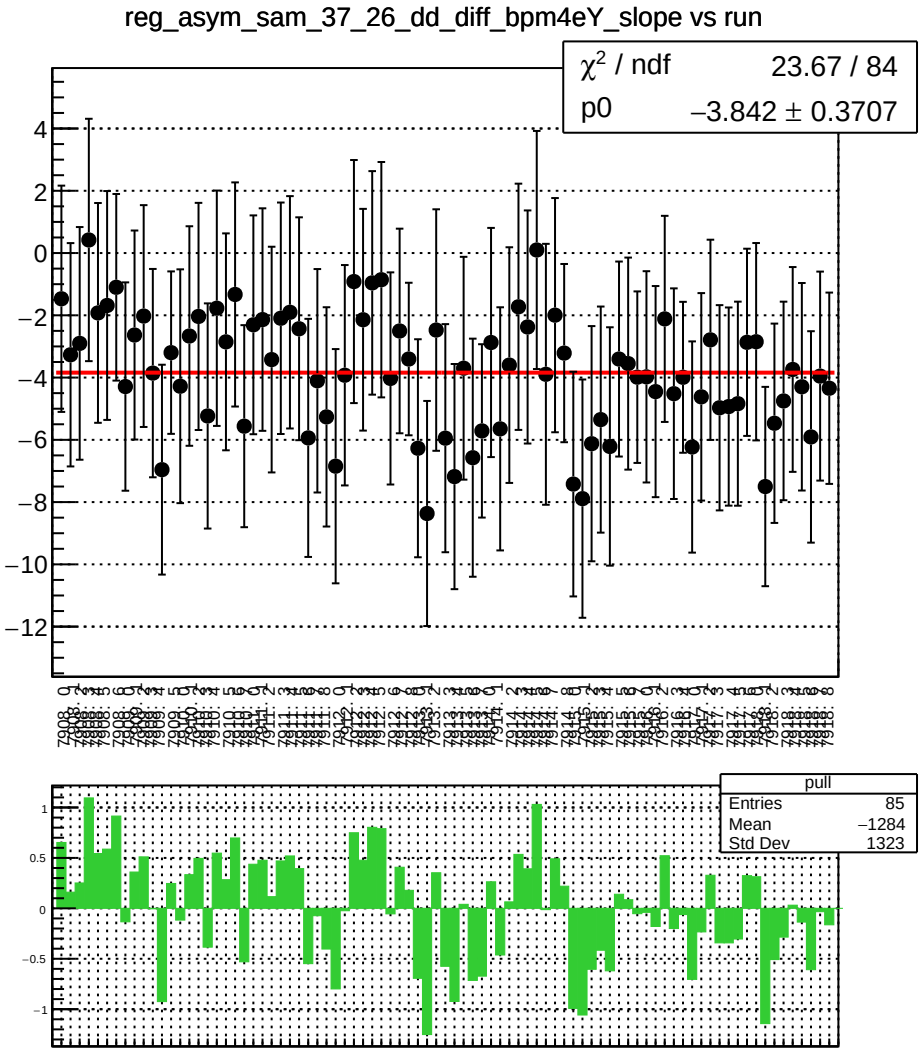

pull1D
Entries 85
Mean −0.005076
Std Dev 0.5516

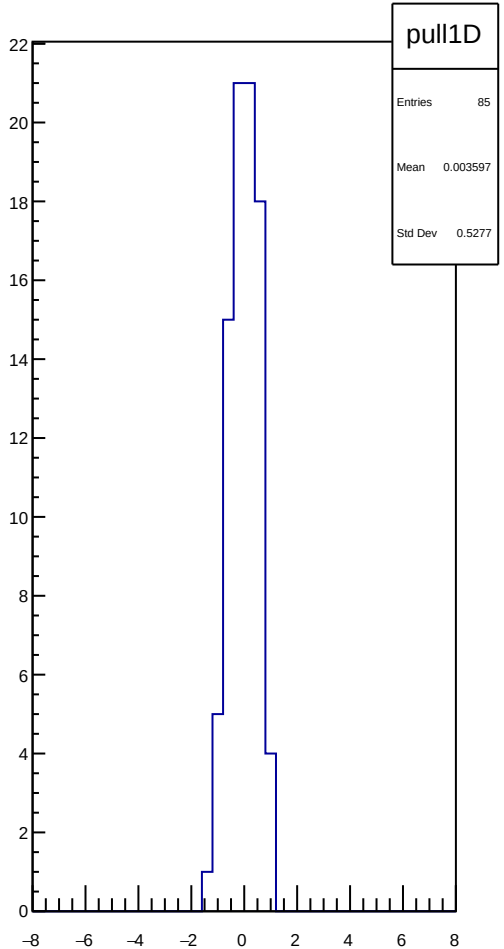

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.48 / 84
p0 19.6 ± 0.3187
pull
Entries 85
Mean −747.1
Std Dev 791.3

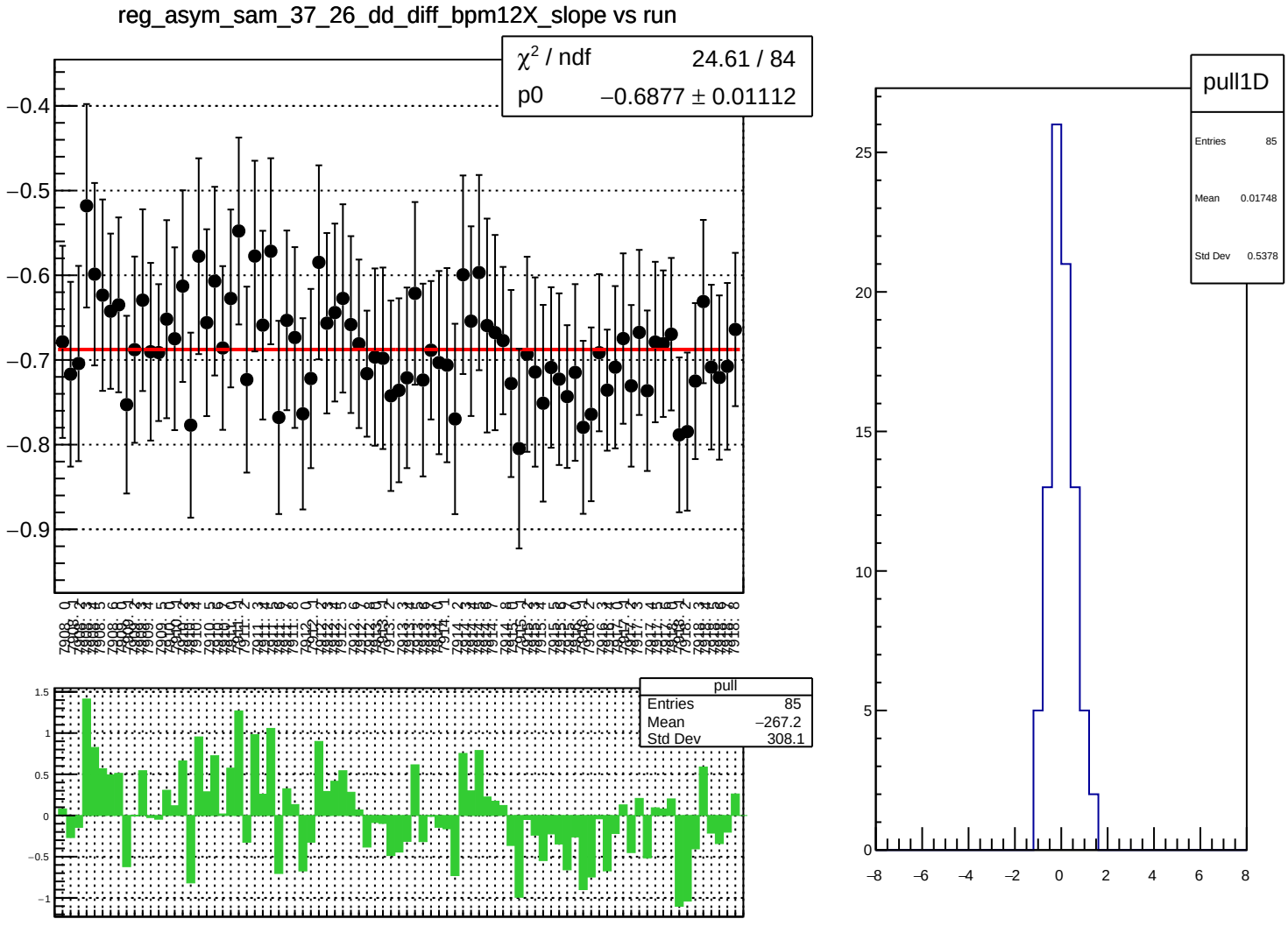

pull1D
Entries 85
Mean −0.01211
Std Dev 0.655

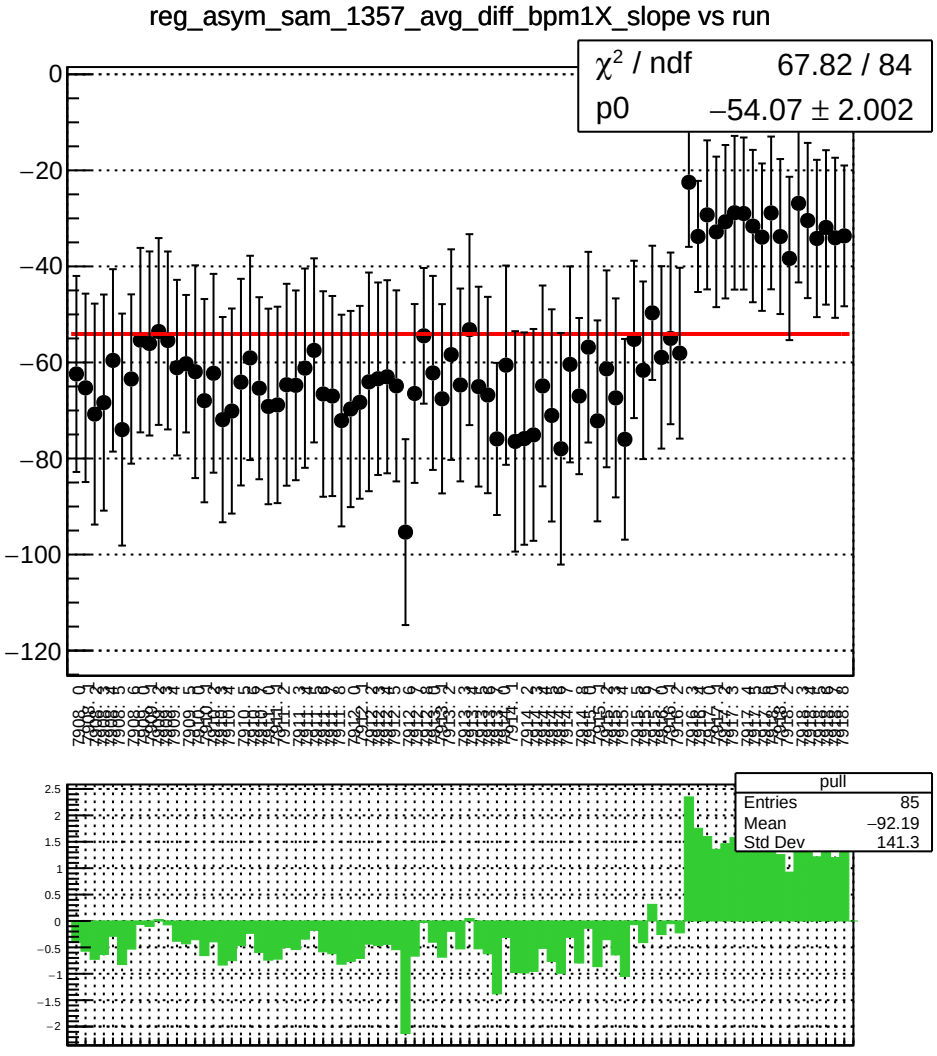

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.44 / 84
p0 −4.979 ± 0.2683
pull
Entries 85
Mean −5078
Std Dev 5113

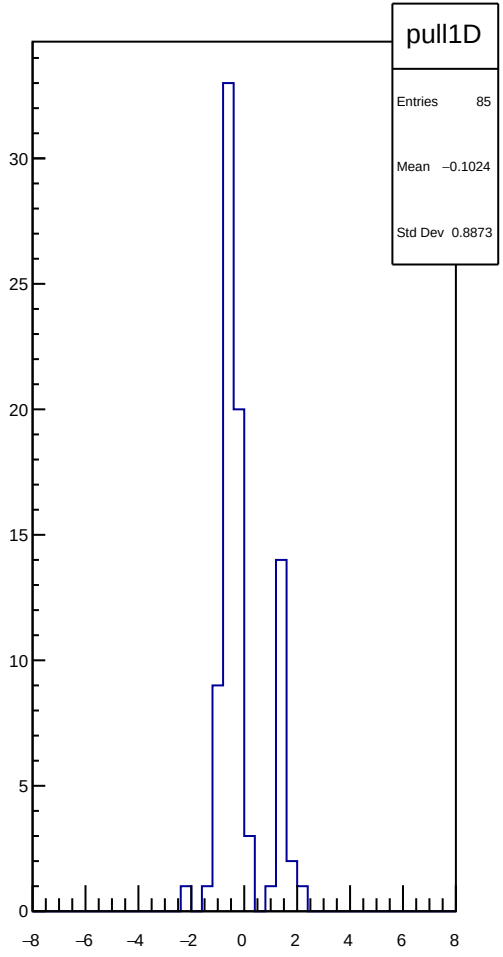

pull1D
Entries 85
Mean −0.0003753
Std Dev 0.5578

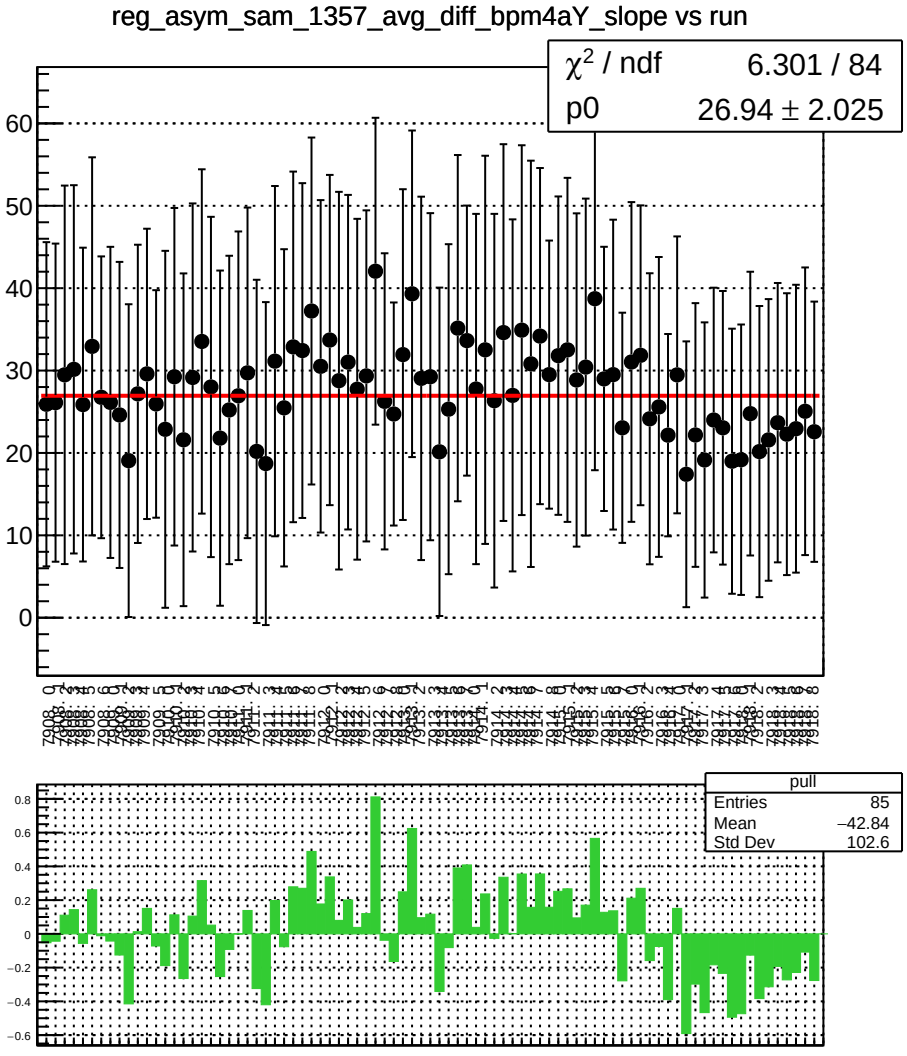

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 23.67 / 84
p0 −3.842 ± 0.3707
pull
Entries 85
Mean −1284
Std Dev 1323

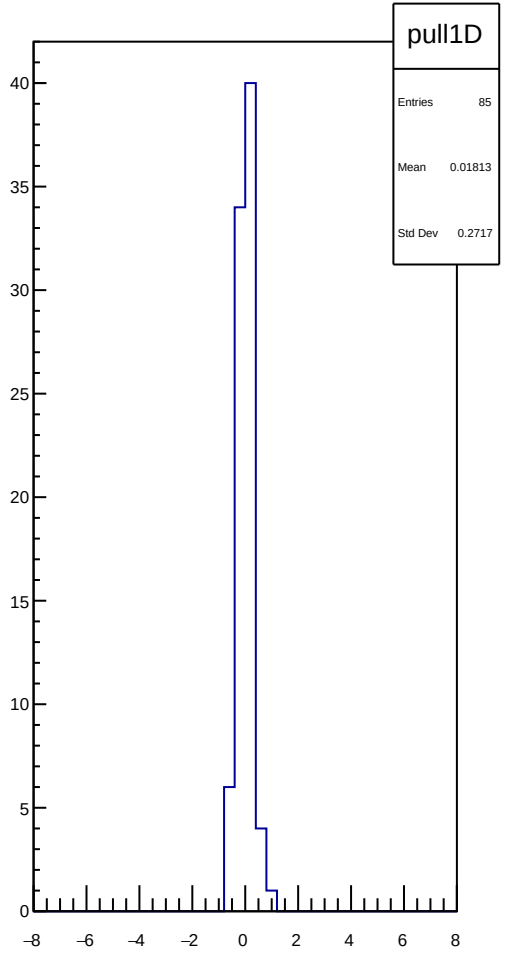

pull1D
Entries 85
Mean 0.003597
Std Dev 0.5277

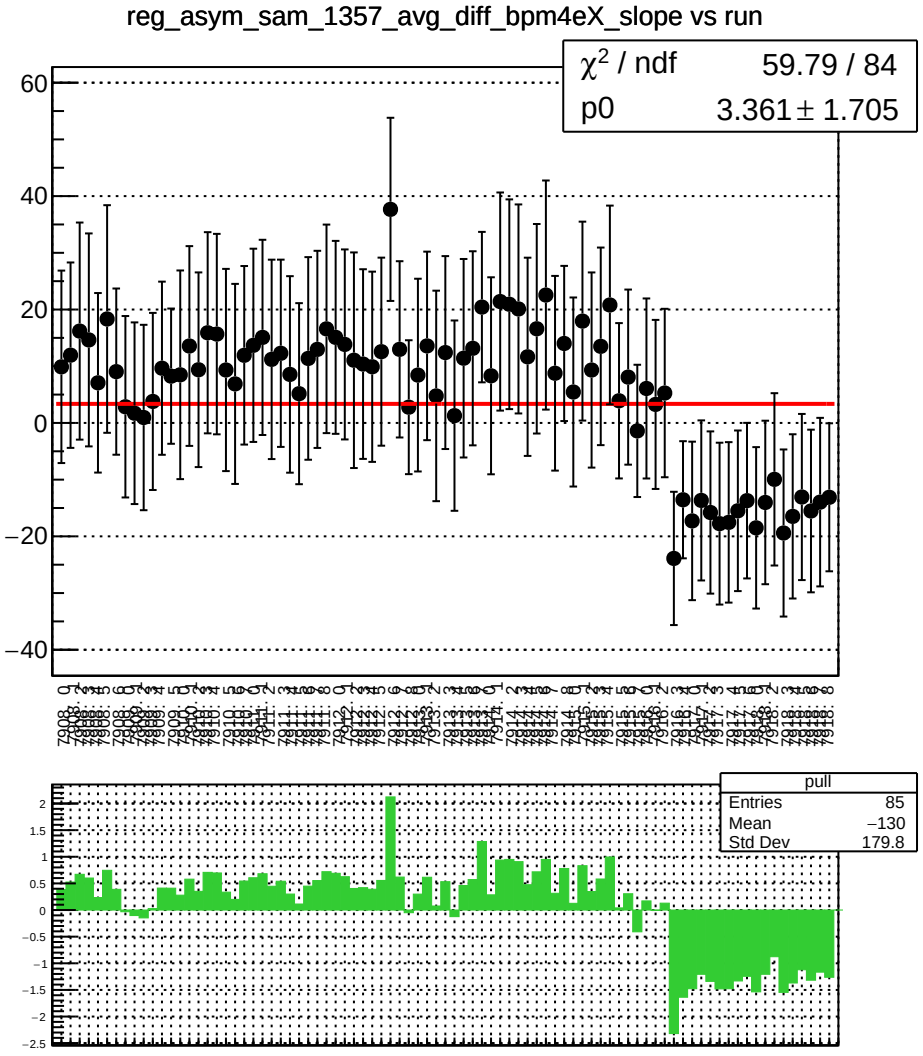

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 24.61 / 84
p0 −0.6877 ± 0.01112
pull
Entries 85
Mean −267.2
Std Dev 308.1
pull1D
Entries 85
Mean 0.01748
Std Dev 0.5378

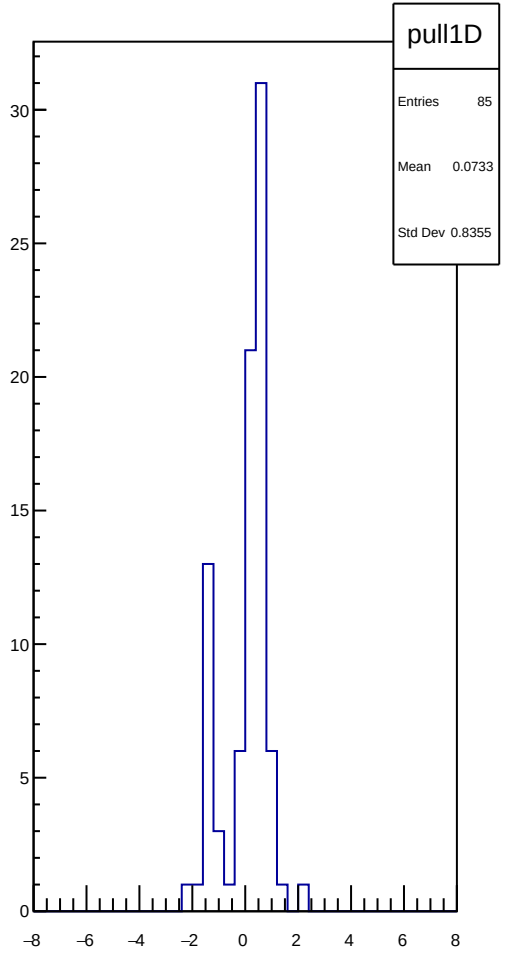

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 67.82 / 84
p0 −54.07 ± 2.002
pull
Entries 85
Mean −92.19
Std Dev 141.3

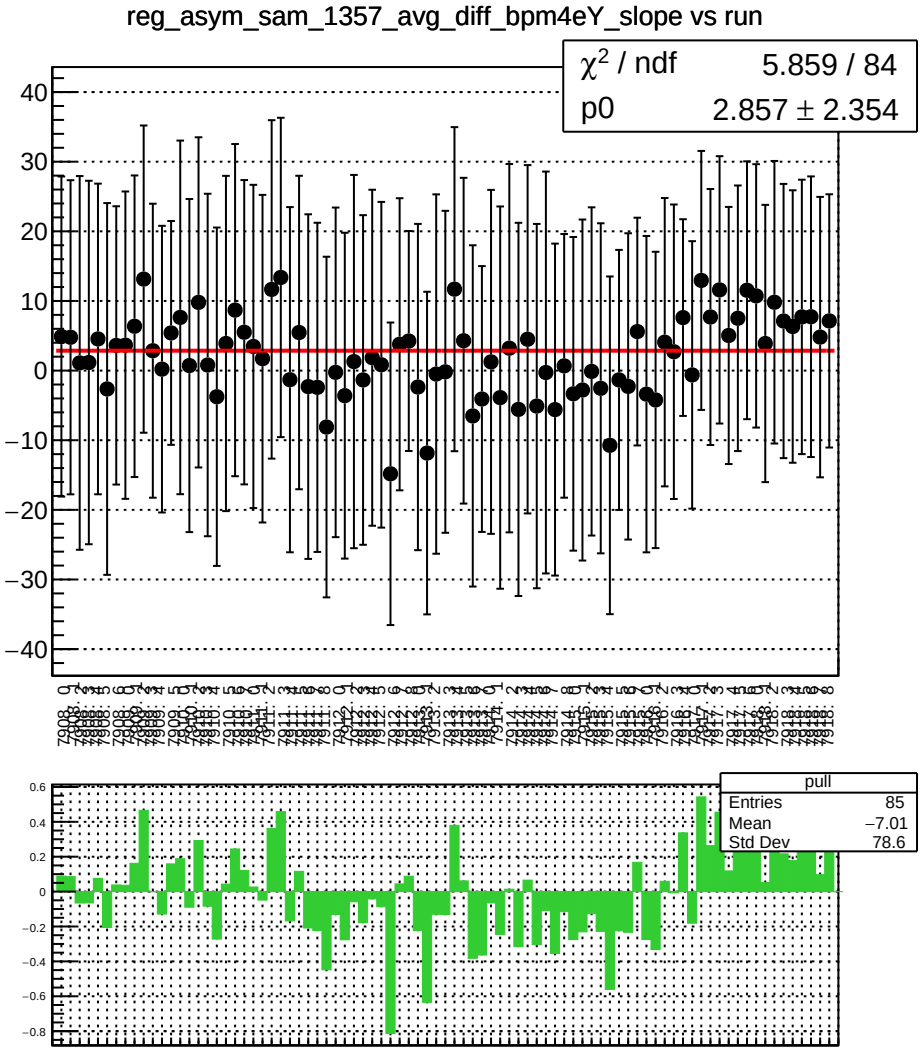

pull1D
Entries 85
Mean −0.1024
Std Dev 0.8873

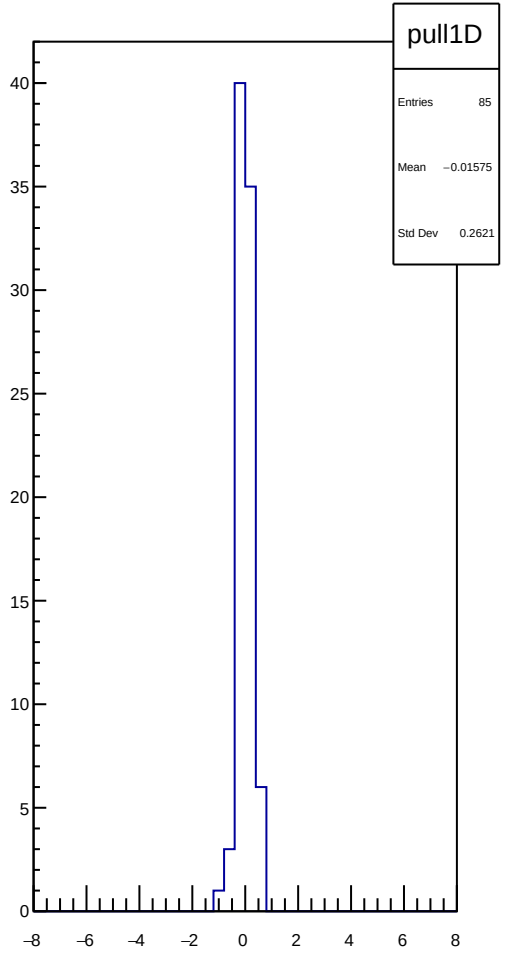

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.301 / 84
p0 26.94 ± 2.025
pull
Entries 85
Mean −42.84
Std Dev 102.6

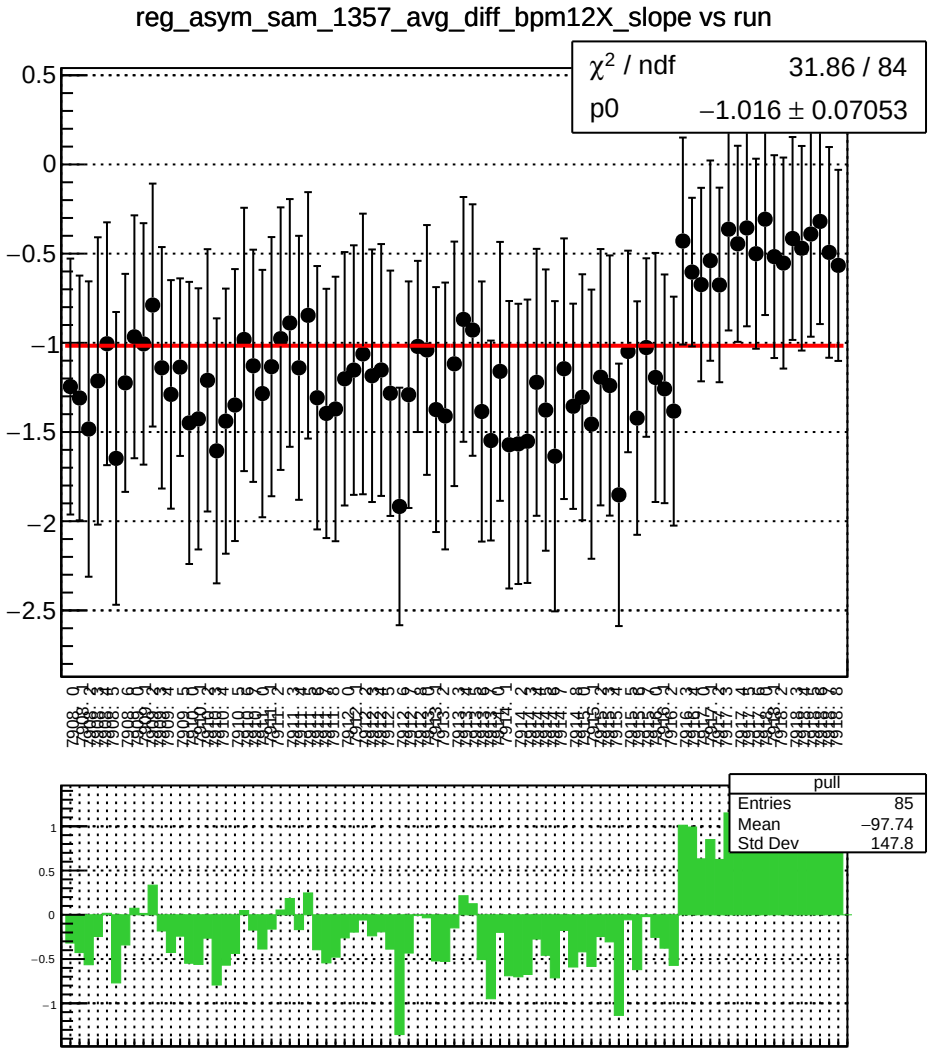

pull1D
Entries 85
Mean 0.01813
Std Dev 0.2717

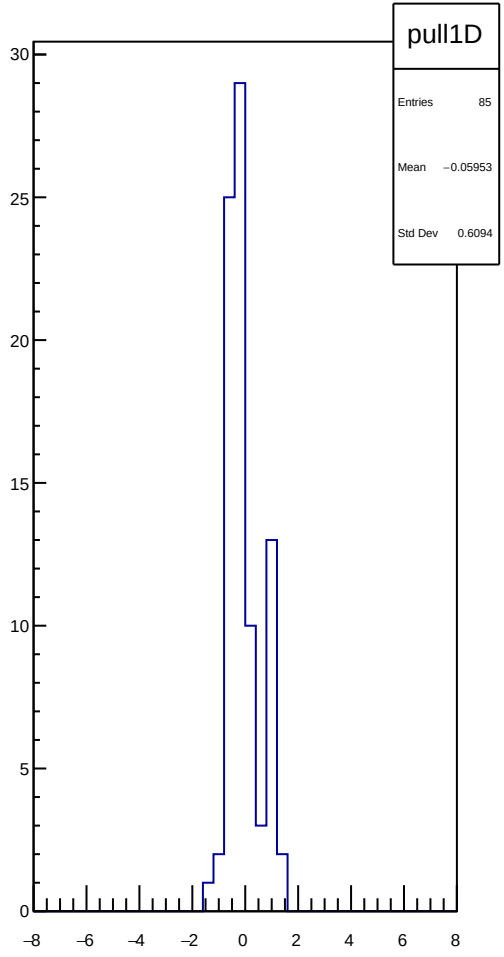

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.79 / 84
p0 3.361 ± 1.705
pull
Entries 85
Mean −130
Std Dev 179.8

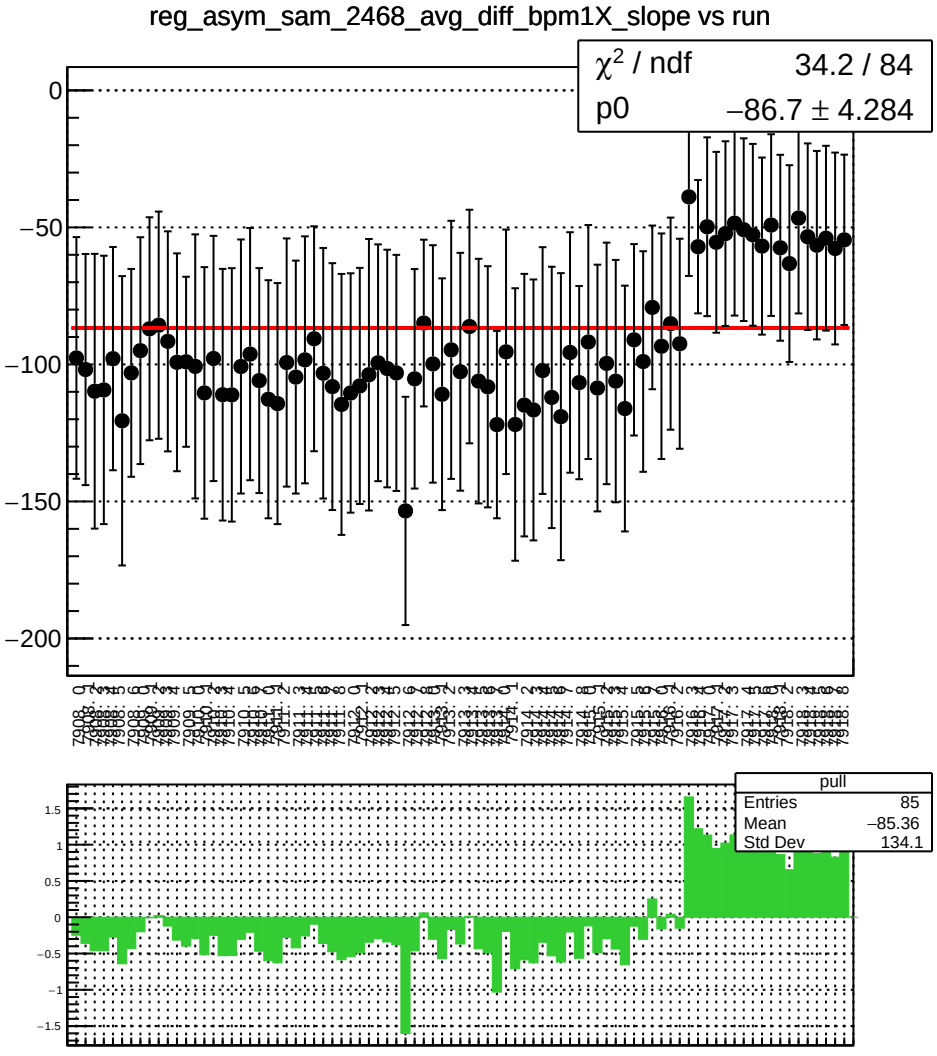

pull1D
Entries 85
Mean 0.0733
Std Dev 0.8355

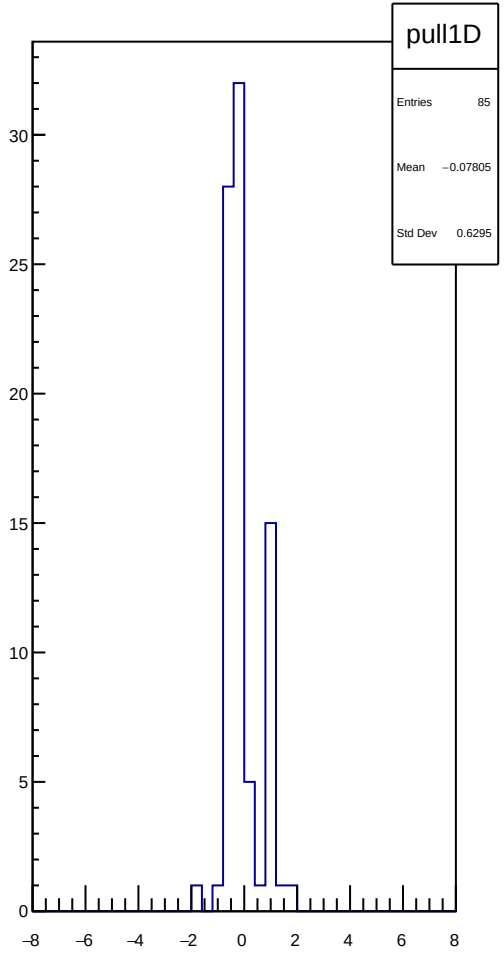

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.859 / 84
p0 2.857 ± 2.354
pull
Entries 85
Mean −7.01
Std Dev 78.6

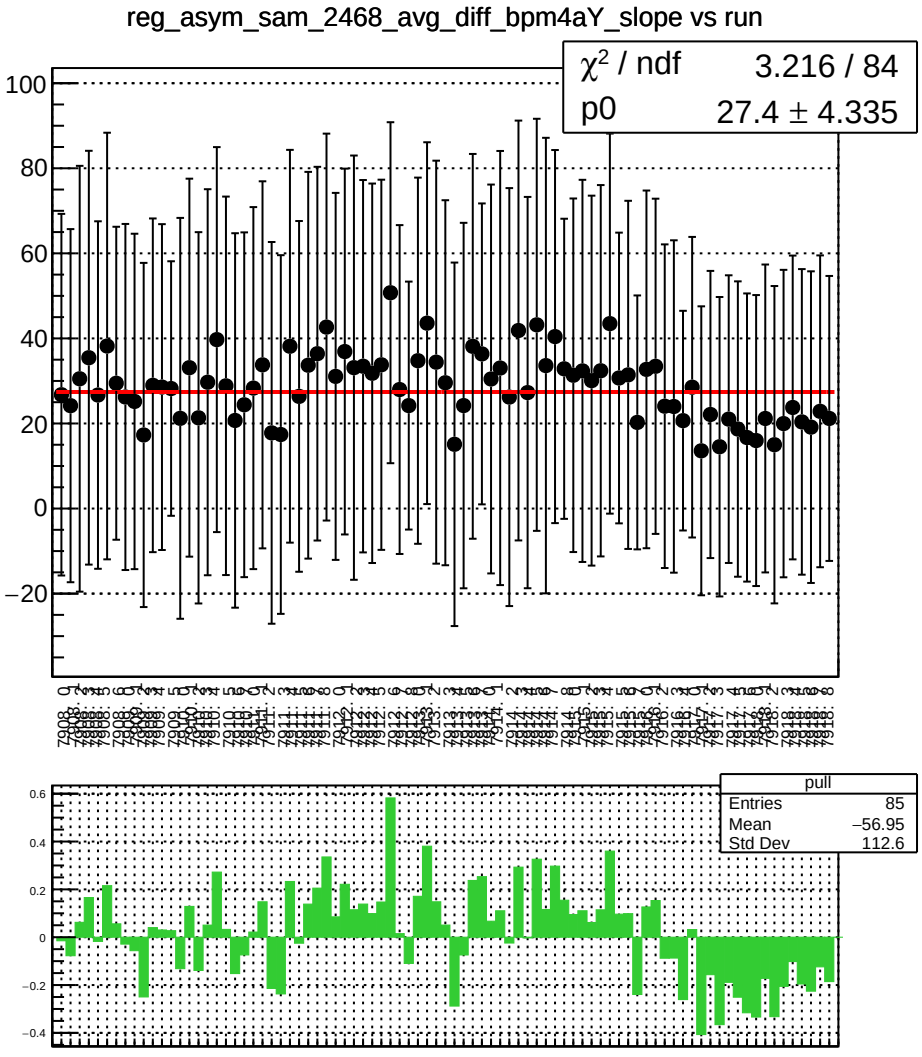

pull1D
Entries 85
Mean −0.01575
Std Dev 0.2621

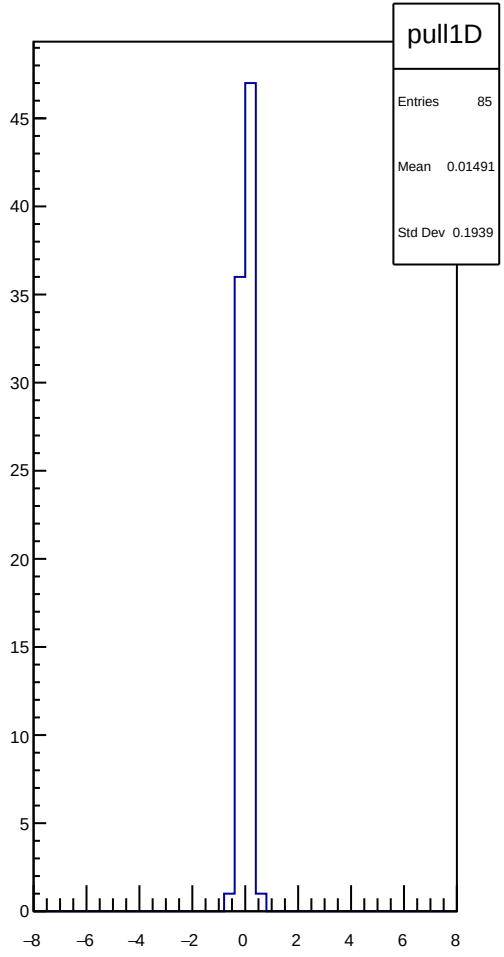

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 31.86 / 84
p0 −1.016 ± 0.07053
pull
Entries 85
Mean −97.74
Std Dev 147.8

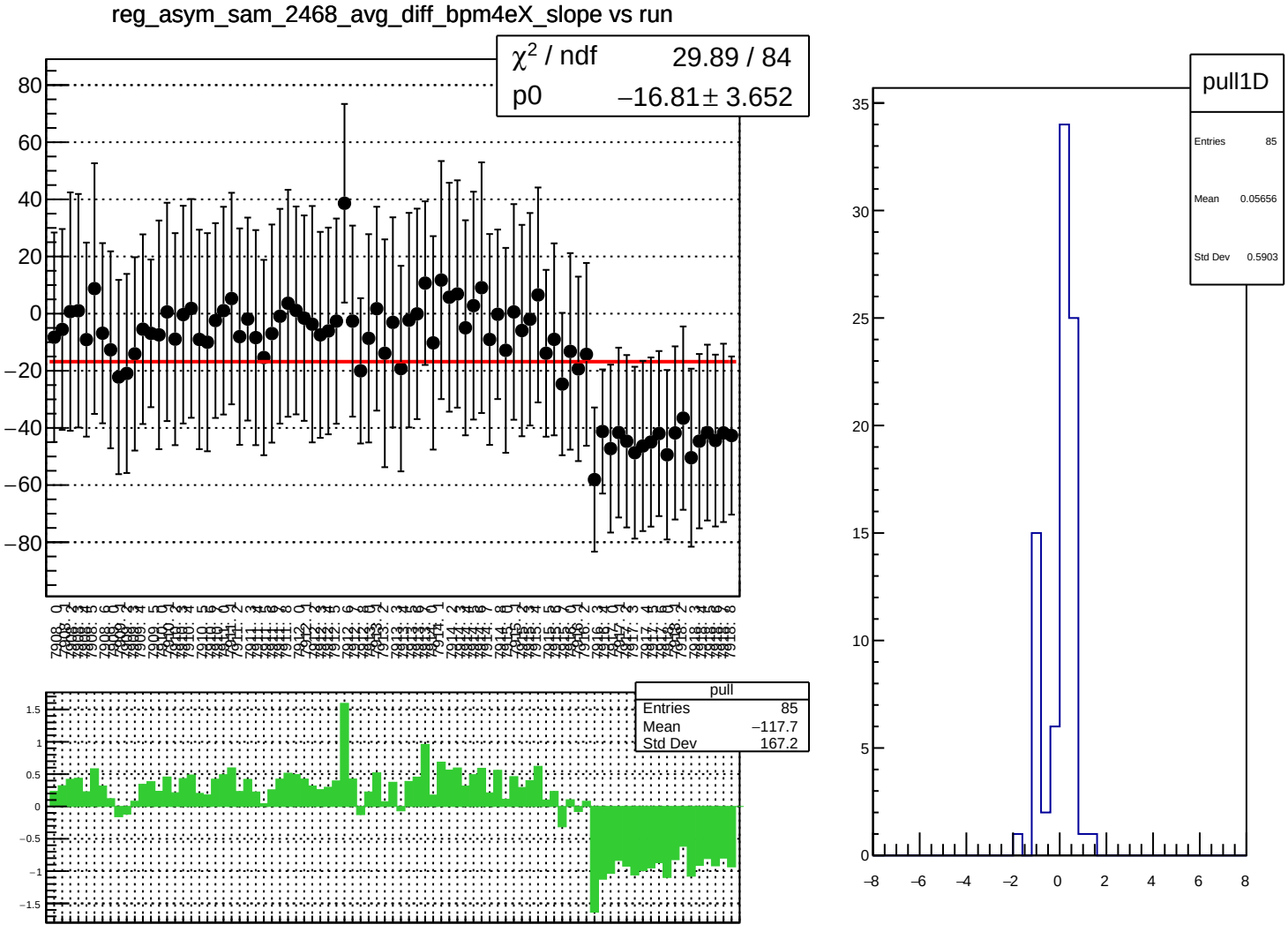

pull1D
Entries 85
Mean −0.05953
Std Dev 0.6094

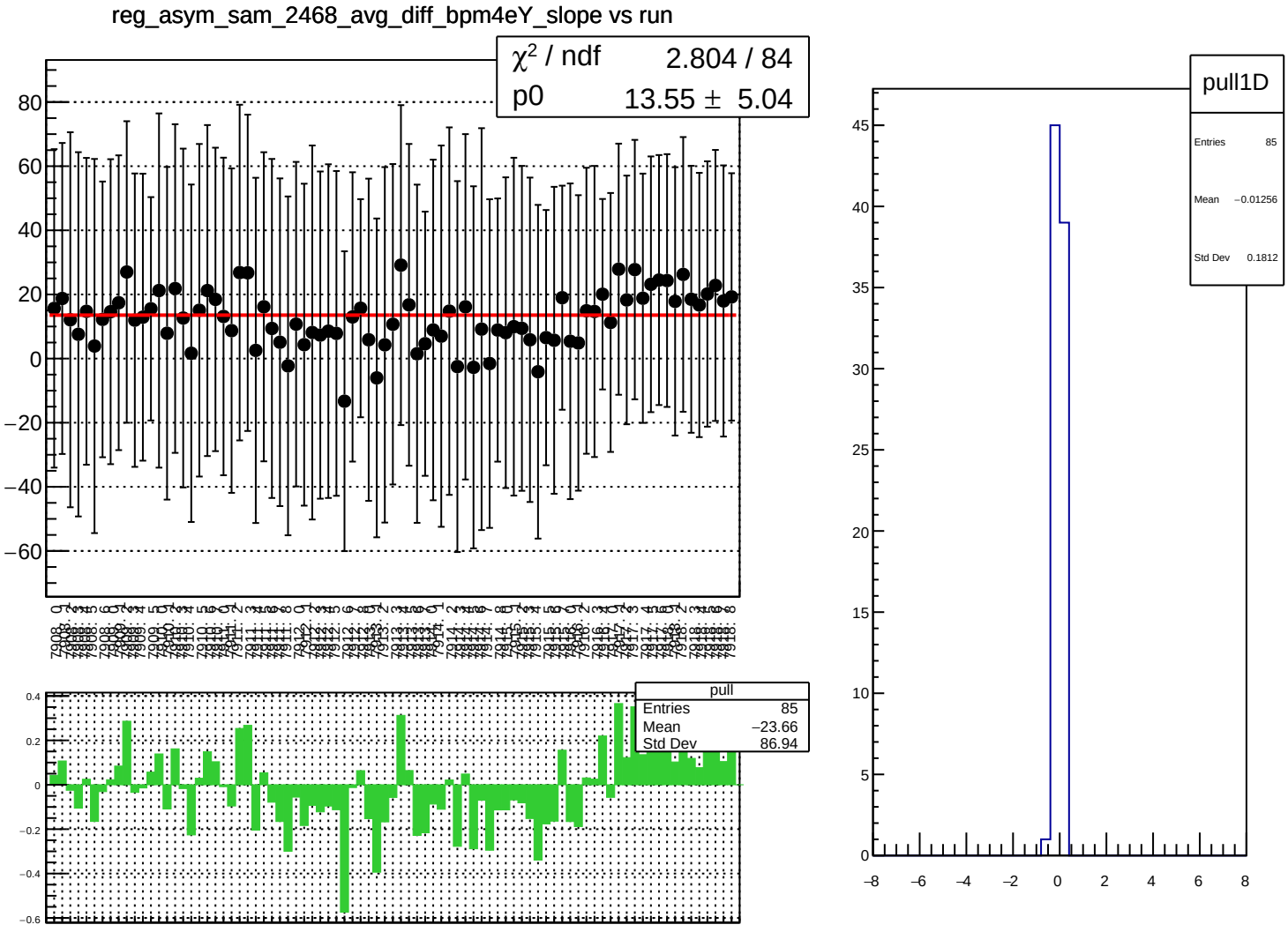

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 34.2 / 84
p0 −86.7 ± 4.284
pull
Entries 85
Mean −85.36
Std Dev 134.1

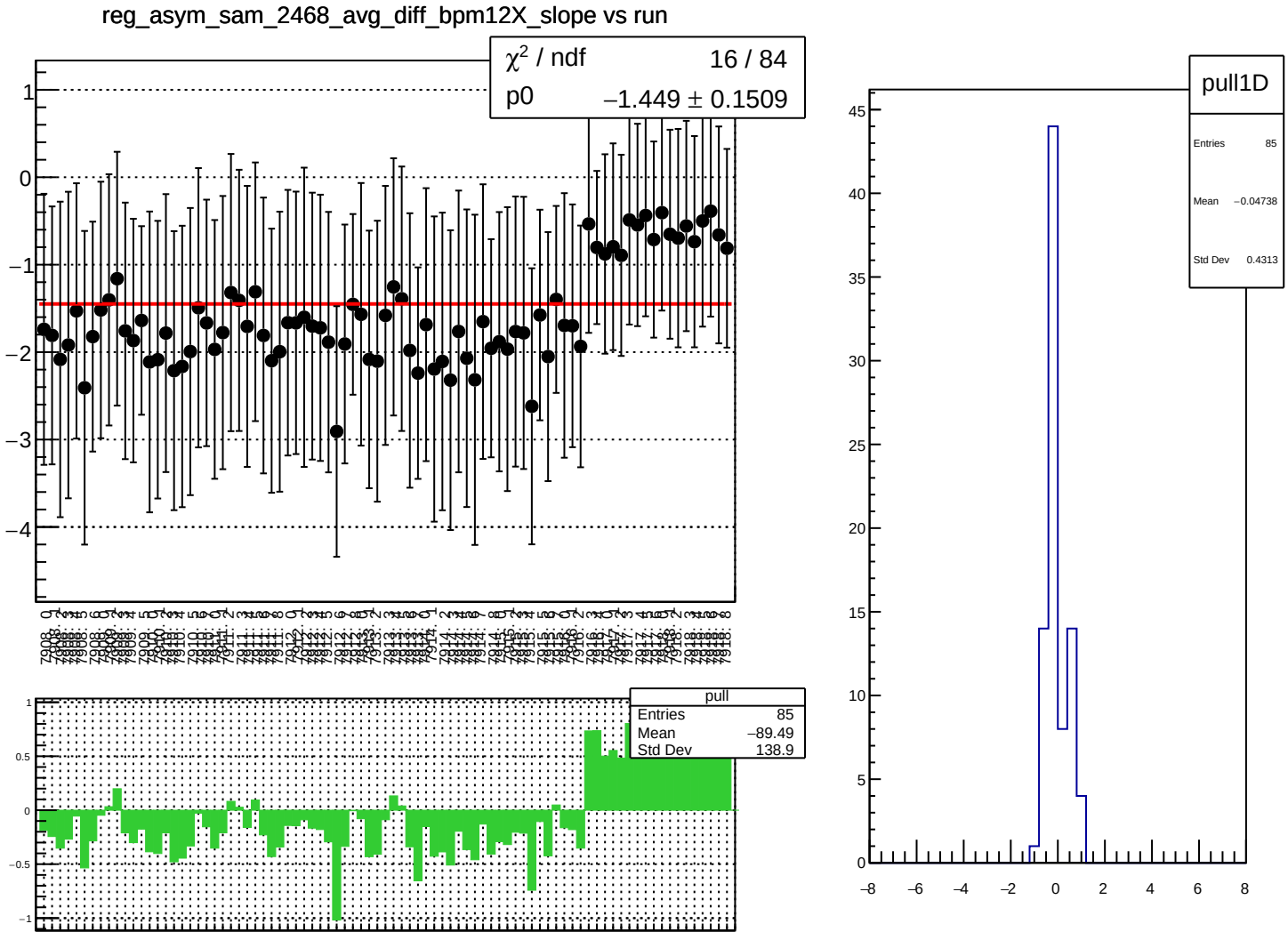

pull1D
Entries 85
Mean −0.07805
Std Dev 0.6295

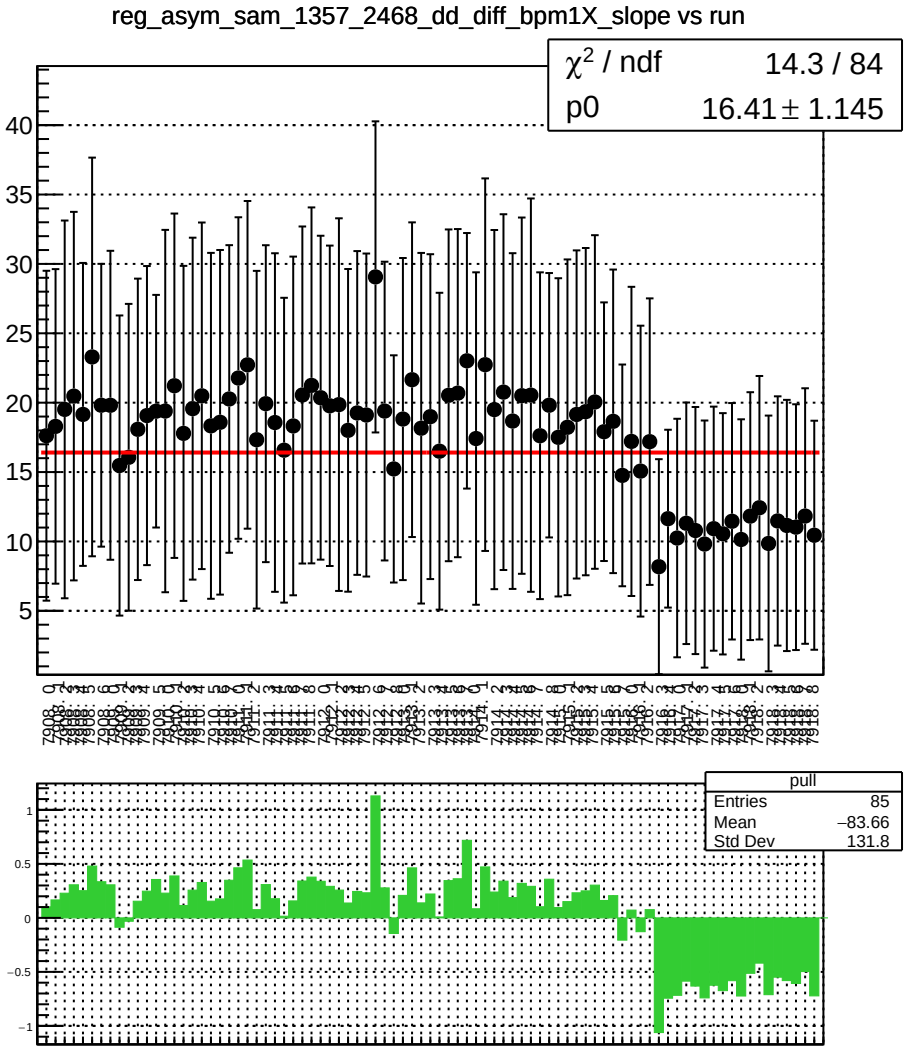

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.216 / 84
p0 27.4 ± 4.335
pull
Entries 85
Mean −56.95
Std Dev 112.6

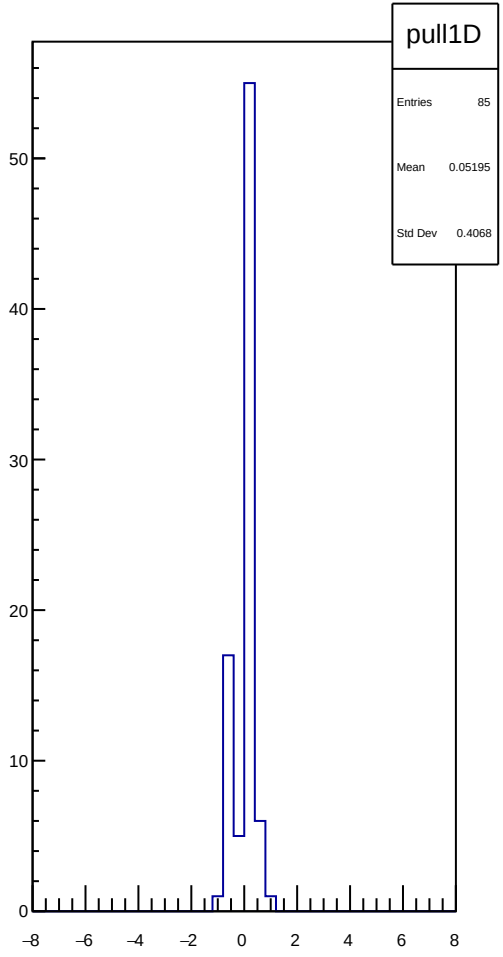

pull1D
Entries 85
Mean 0.01491
Std Dev 0.1939

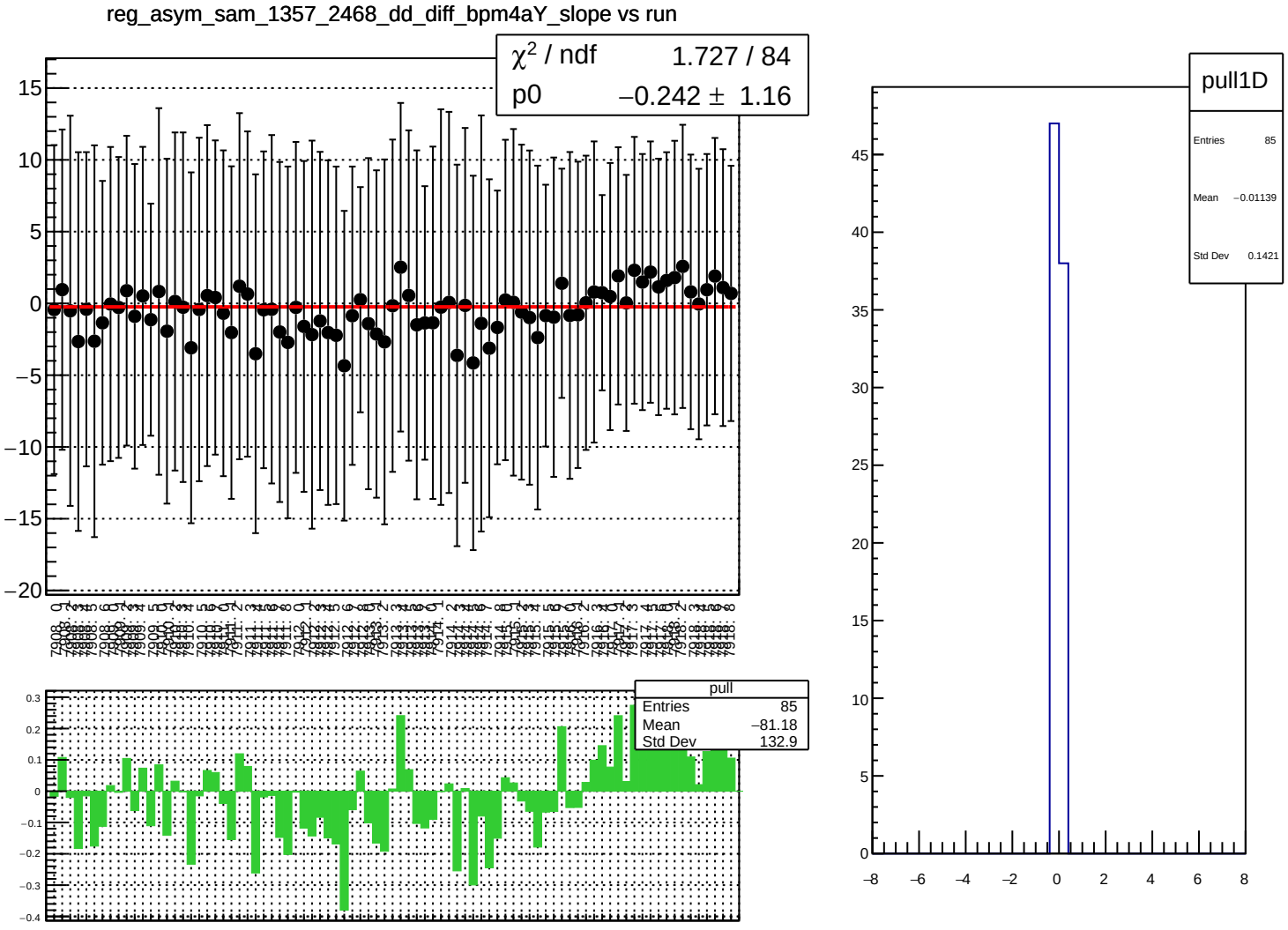

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.89 / 84
p0 −16.81 ± 3.652
pull
Entries 85
Mean −117.7
Std Dev 167.2
pull1D
Entries 85
Mean 0.05656
Std Dev 0.5903

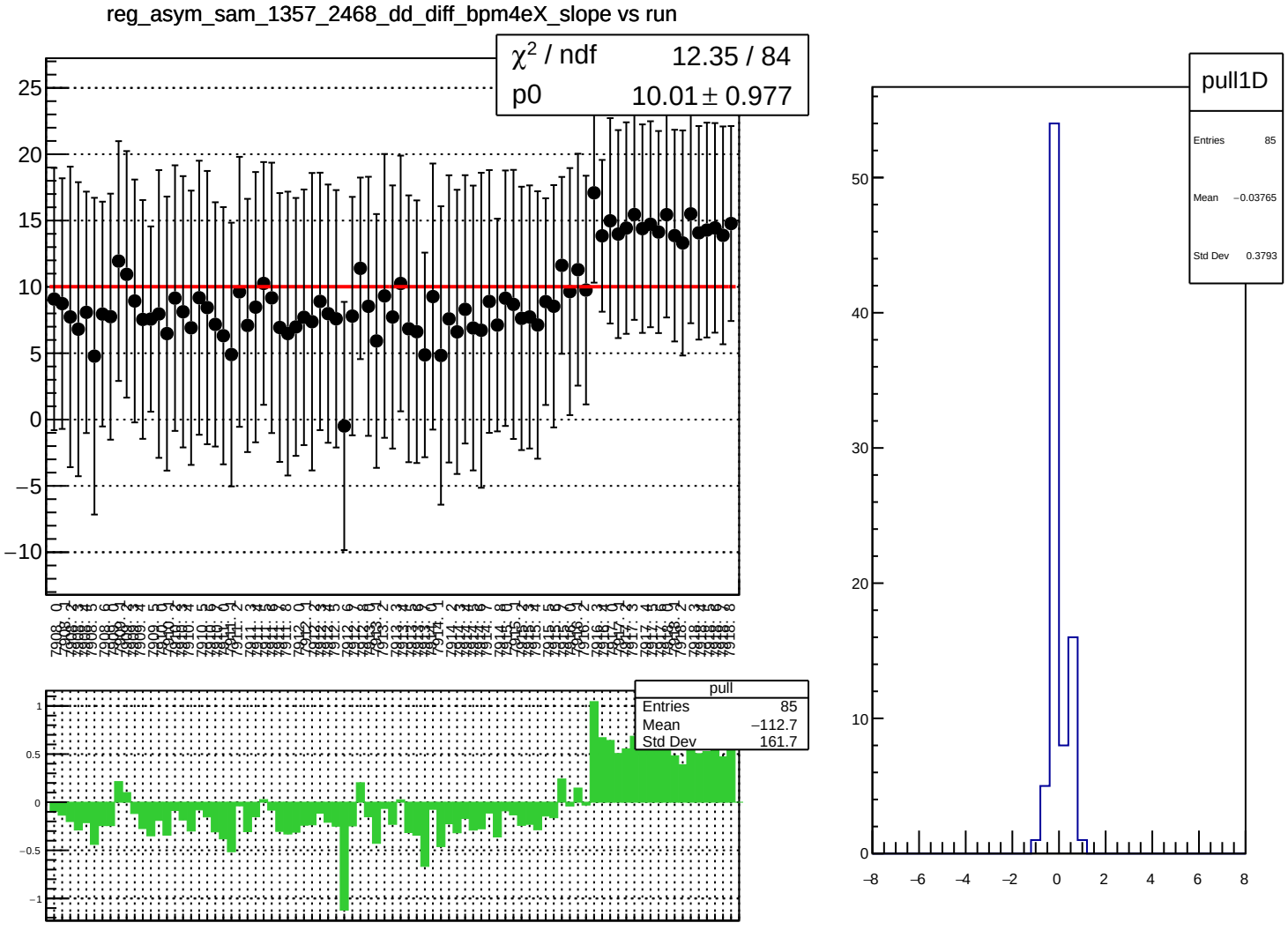

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.804 / 84
p0 13.55 ± 5.04
pull
Entries 85
Mean −23.66
Std Dev 86.94
pull1D
Entries 85
Mean −0.01256
Std Dev 0.1812

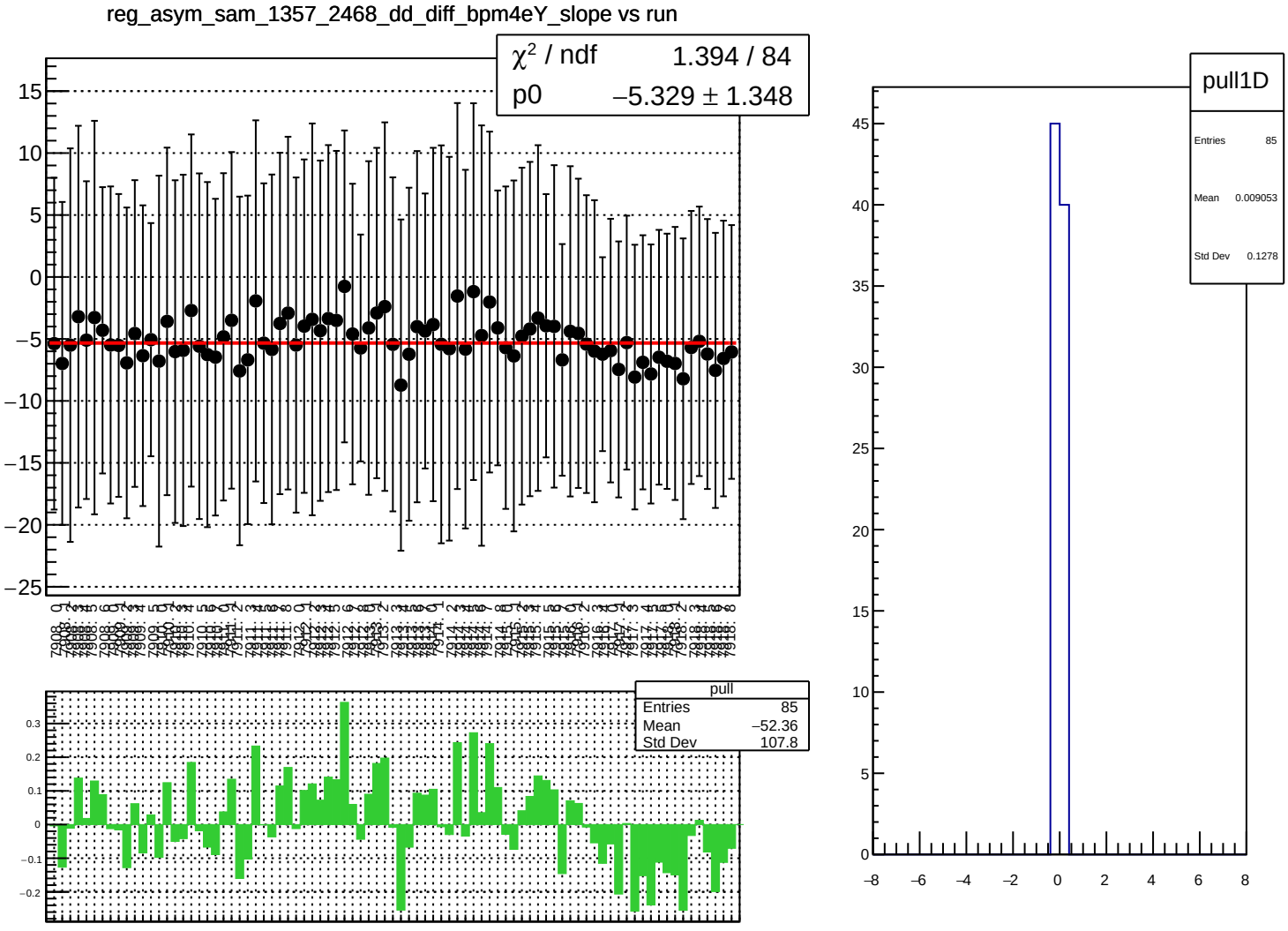

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 16 / 84
p0 −1.449 ± 0.1509
pull
Entries 85
Mean −89.49
Std Dev 138.9
pull1D
Entries 85
Mean −0.04738
Std Dev 0.4313


reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ2 / ndf 14.3 / 84
p0 16.41 ± 1.145
pull
Entries 85
Mean −83.66
Std Dev 131.8

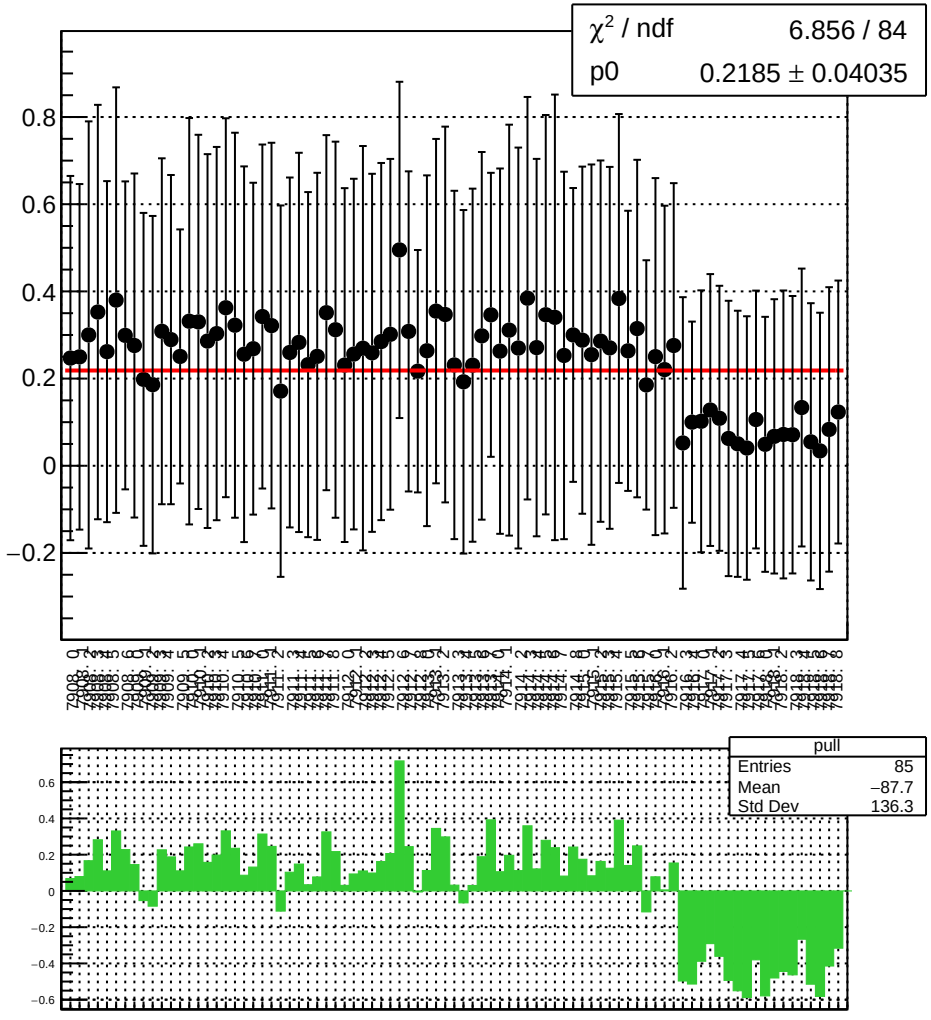

pull1D
Entries 85
Mean 0.05195
Std Dev 0.4068

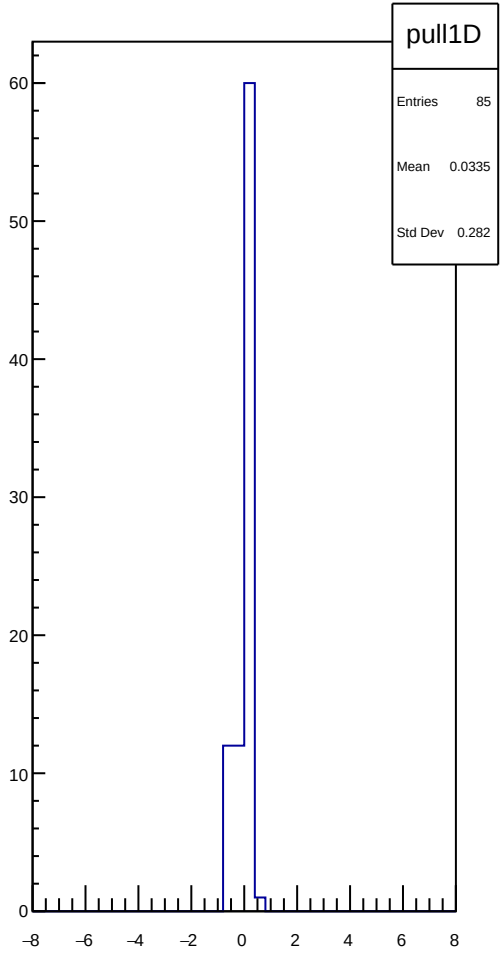

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.727 / 84
p0 −0.242 ± 1.16
pull
Entries 85
Mean −81.18
Std Dev 132.9
pull1D
Entries 85
Mean −0.01139
Std Dev 0.1421


reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.35 / 84
p0 10.01 ± 0.977
pull
Entries 85
Mean −112.7
Std Dev 161.7
pull1D
Entries 85
Mean −0.03765
Std Dev 0.3793

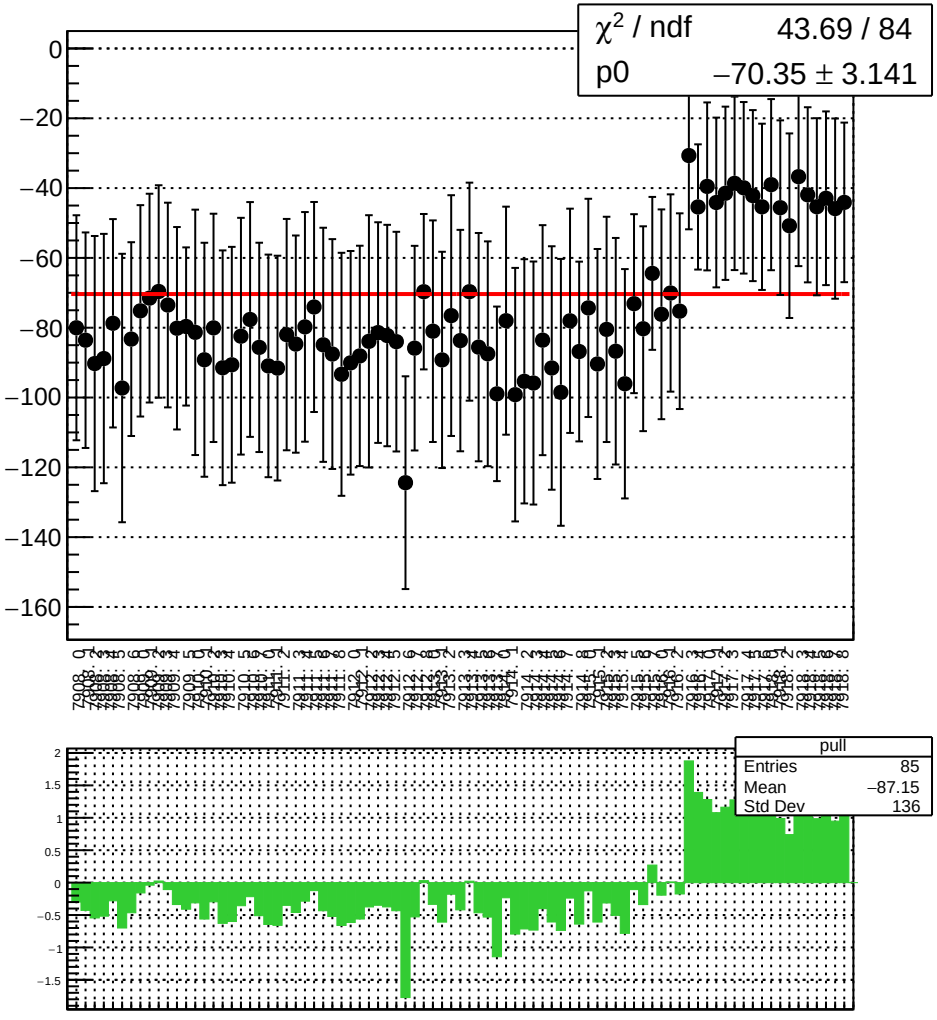

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.394 / 84
p0 −5.329 ± 1.348
pull
Entries 85
Mean −52.36
Std Dev 107.8
pull1D
Entries 85
Mean 0.009053
Std Dev 0.1278

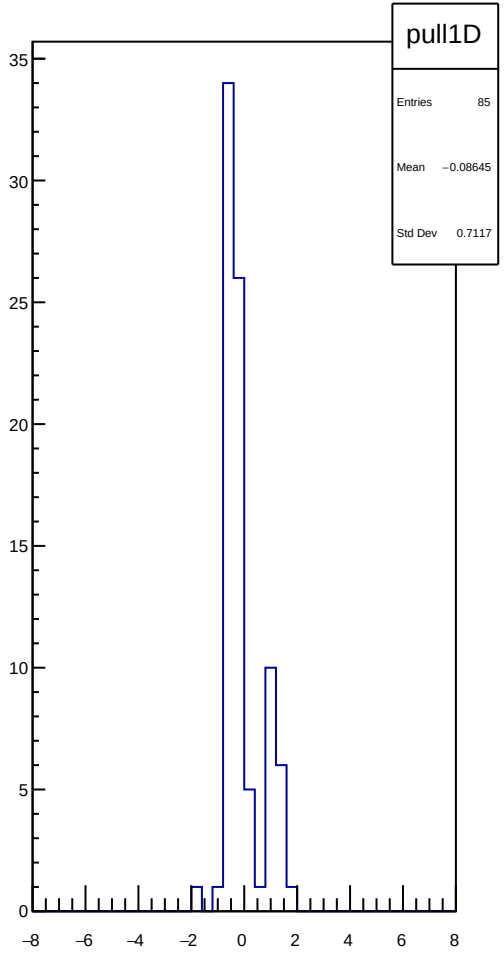
reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run

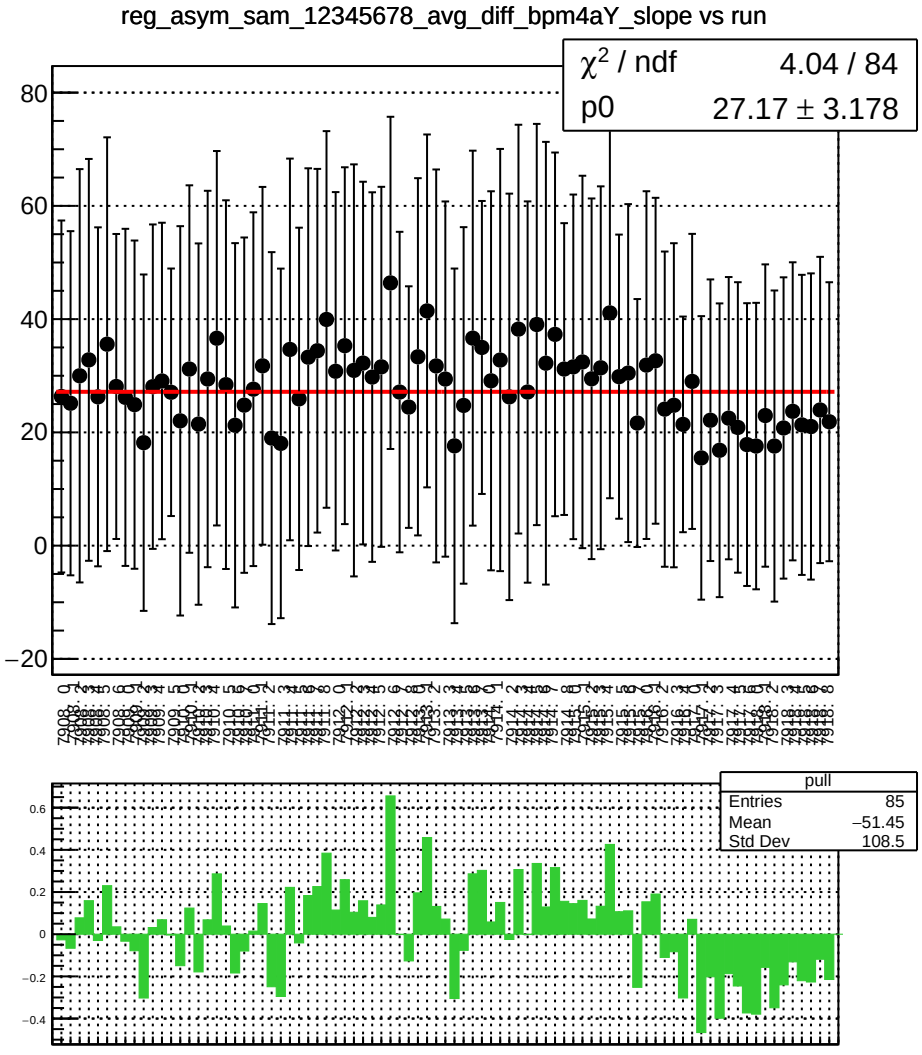


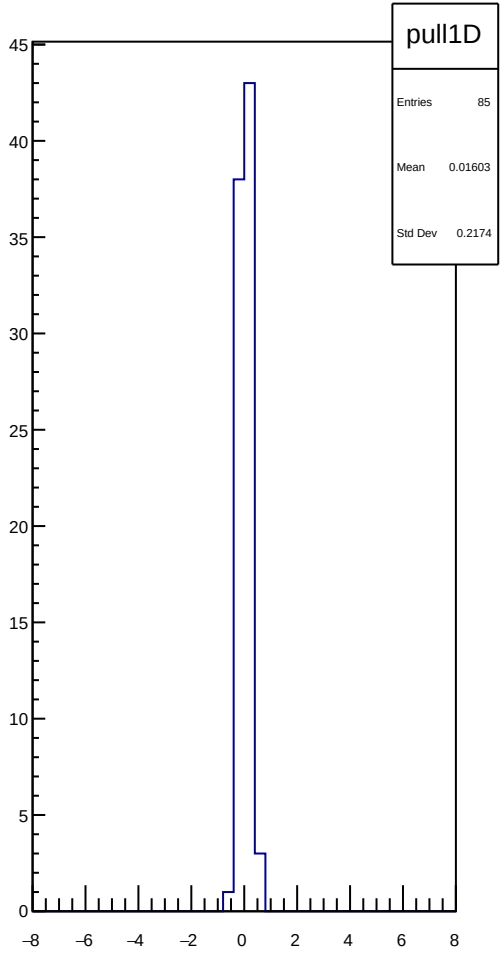


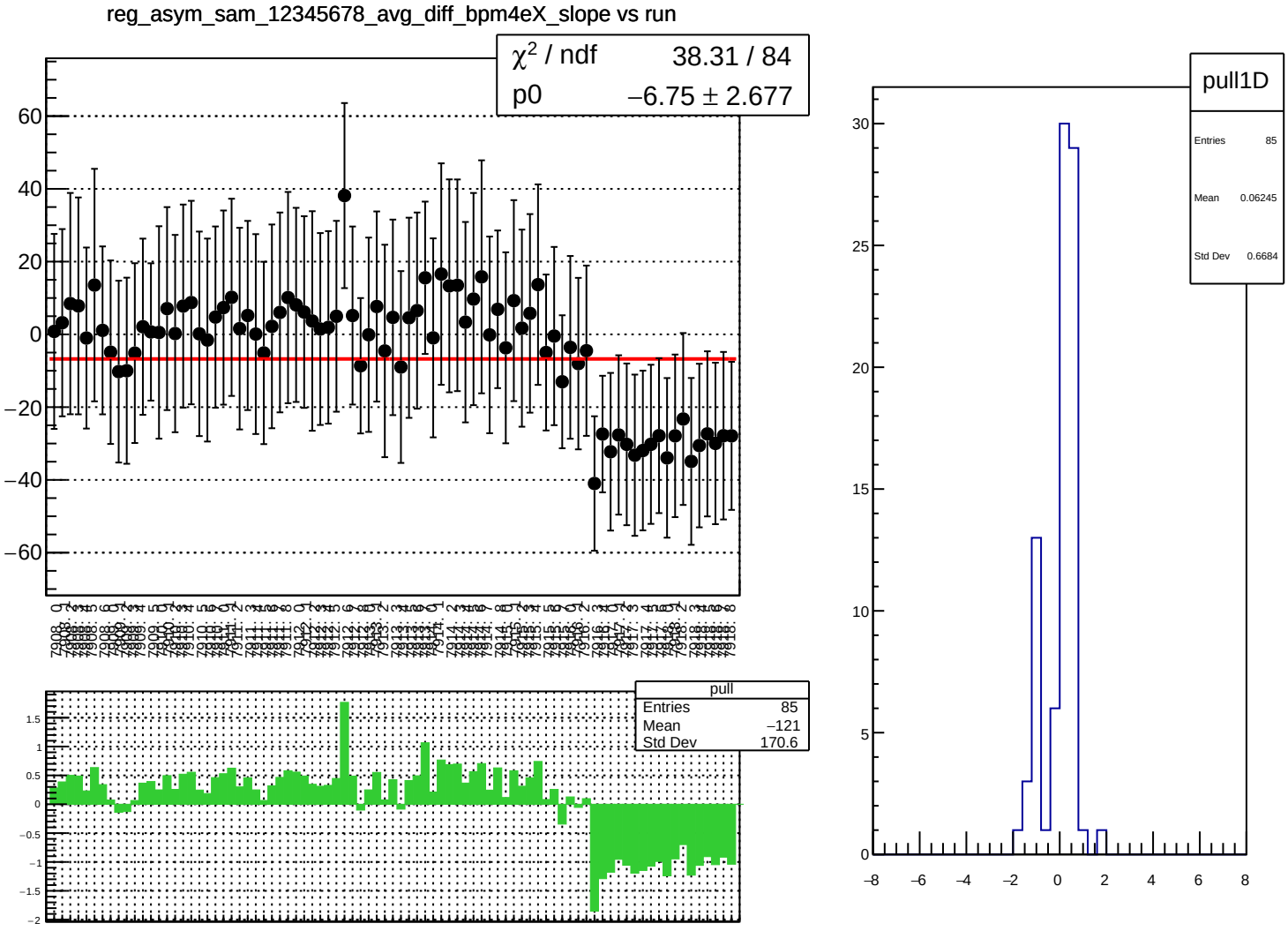
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run

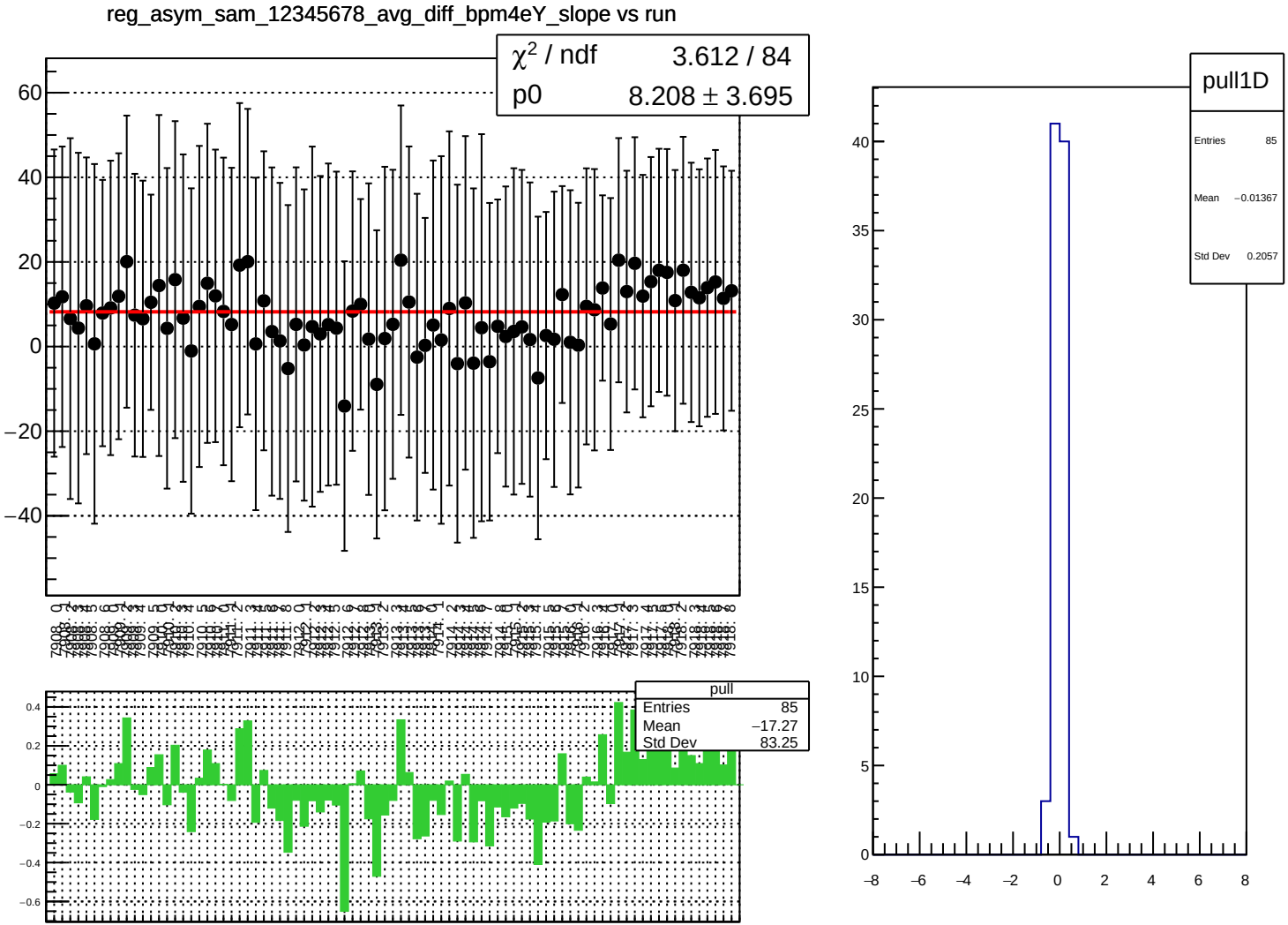




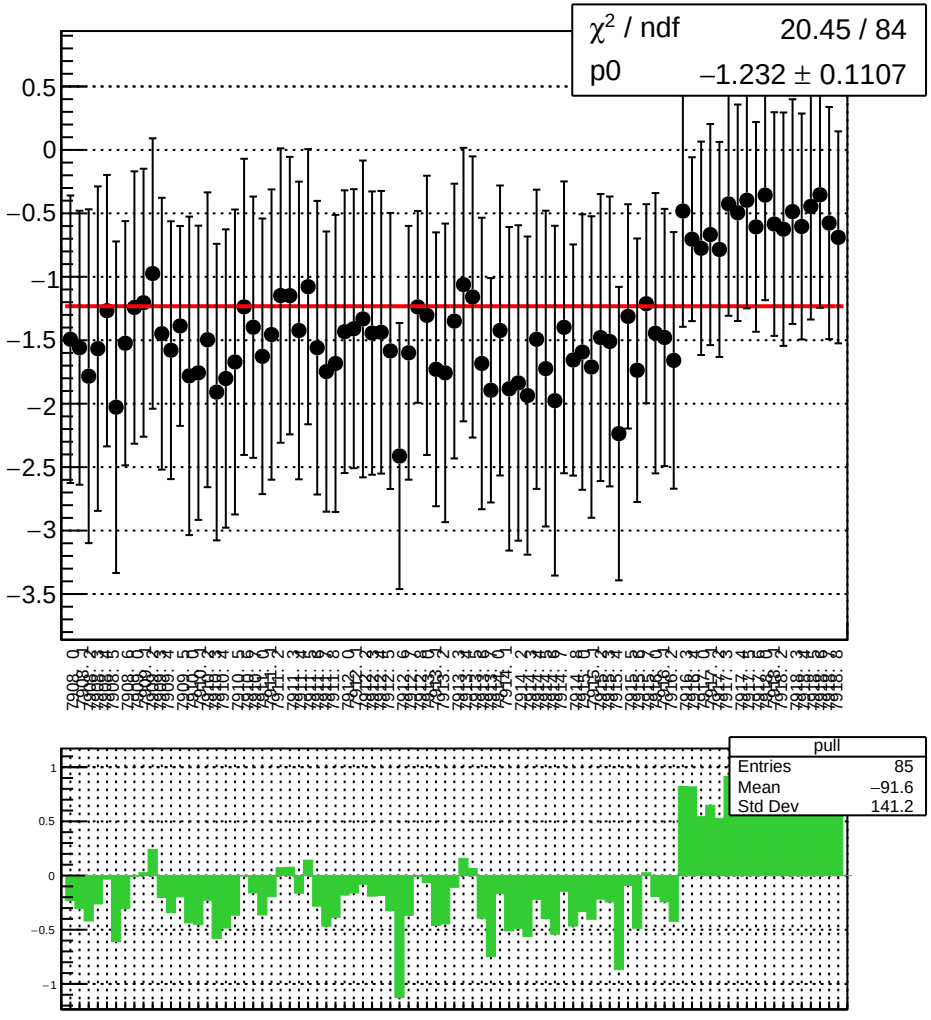

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.04 / 84
p0 27.17 ± 3.178
pull
Entries 85
Mean −51.45
Std Dev 108.5

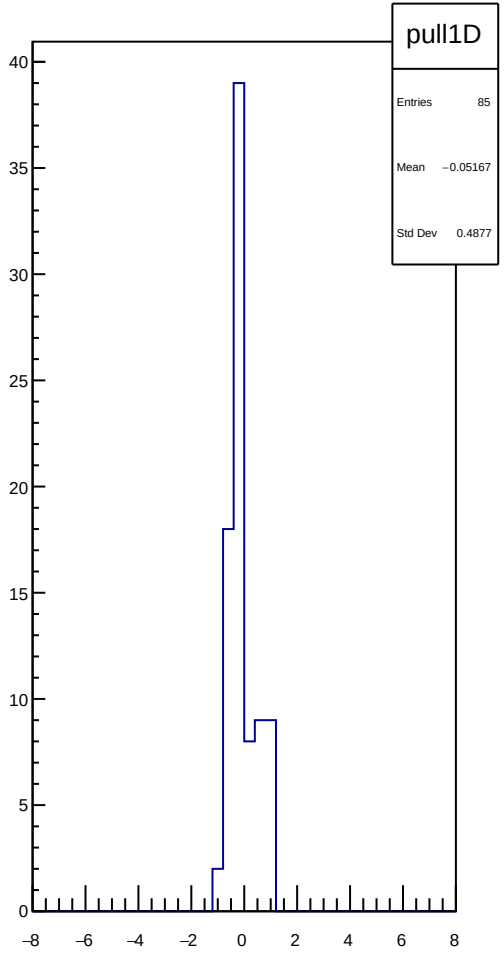

pull1D
Entries 85
Mean 0.01603
Std Dev 0.2174

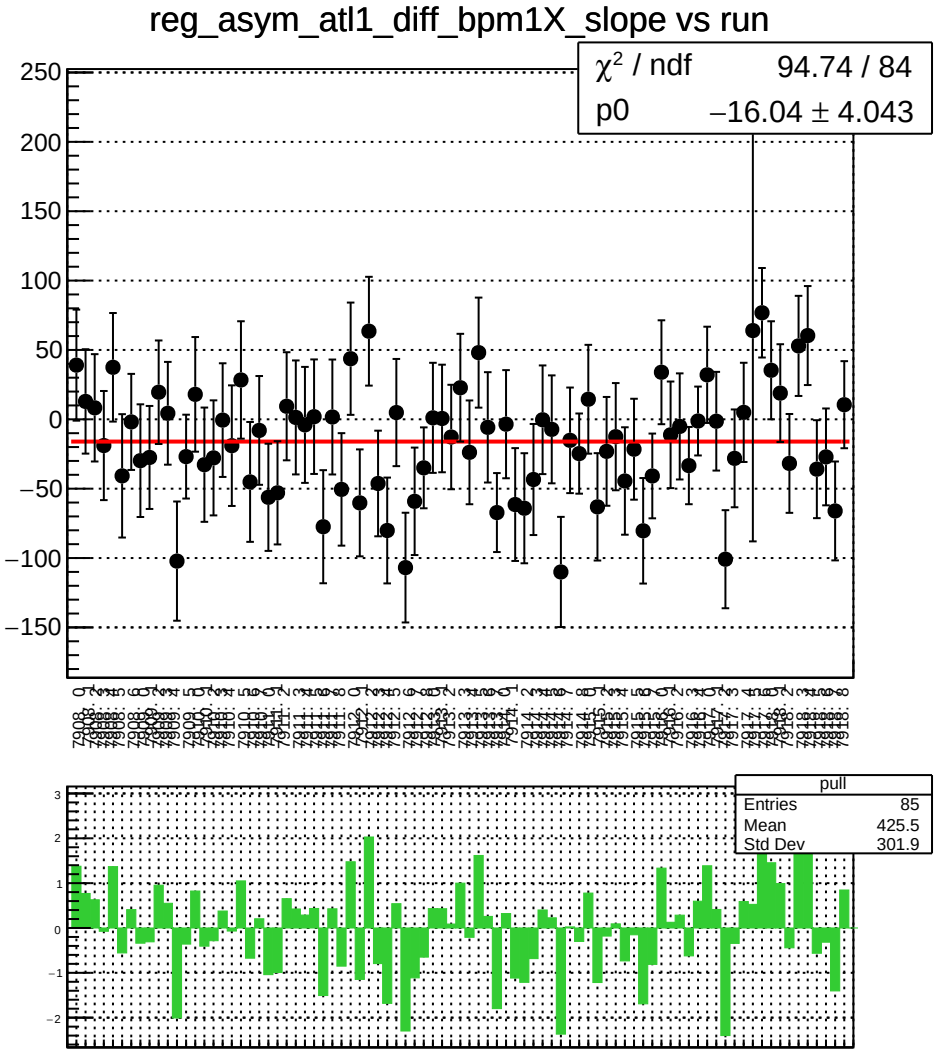

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.31 / 84
p0 −6.75 ± 2.677
pull
Entries 85
Mean −121
Std Dev 170.6
pull1D
Entries 85
Mean 0.06245
Std Dev 0.6684

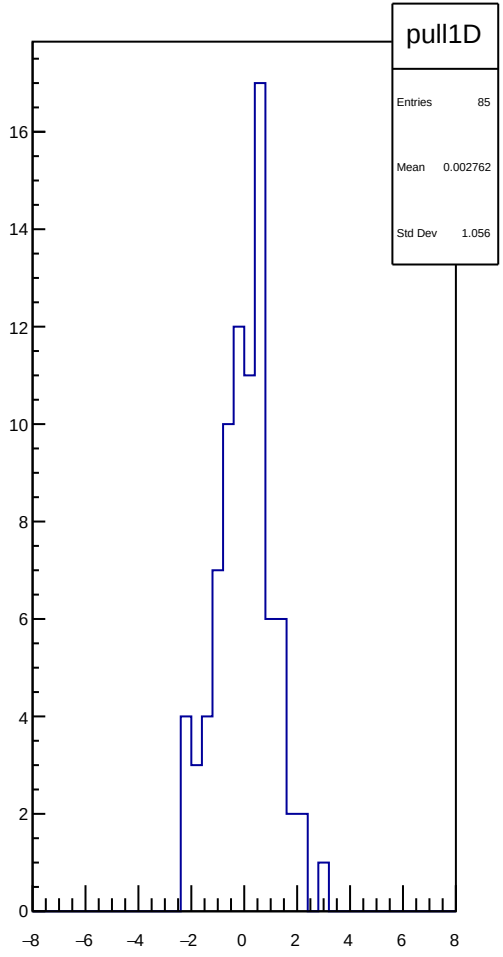

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.612 / 84
p0 8.208 ± 3.695
pull
Entries 85
Mean −17.27
Std Dev 83.25
pull1D
Entries 85
Mean −0.01367
Std Dev 0.2057

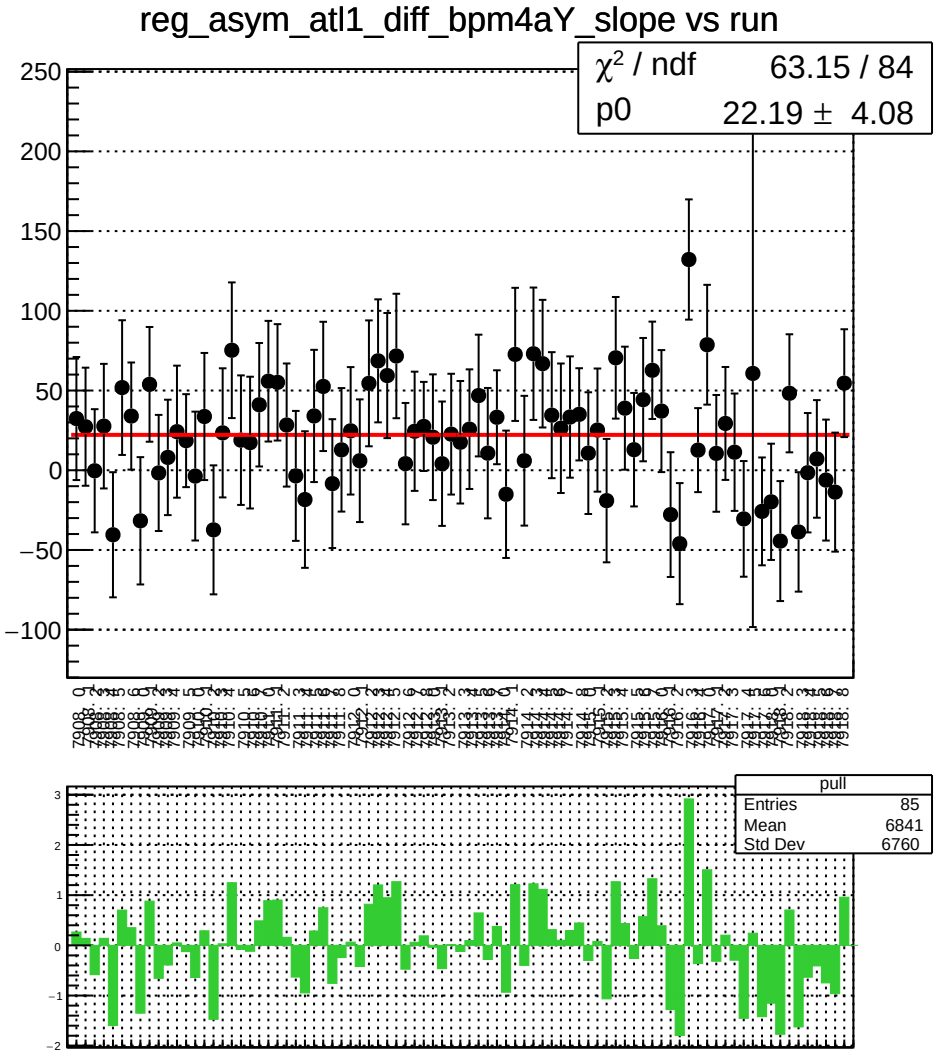
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

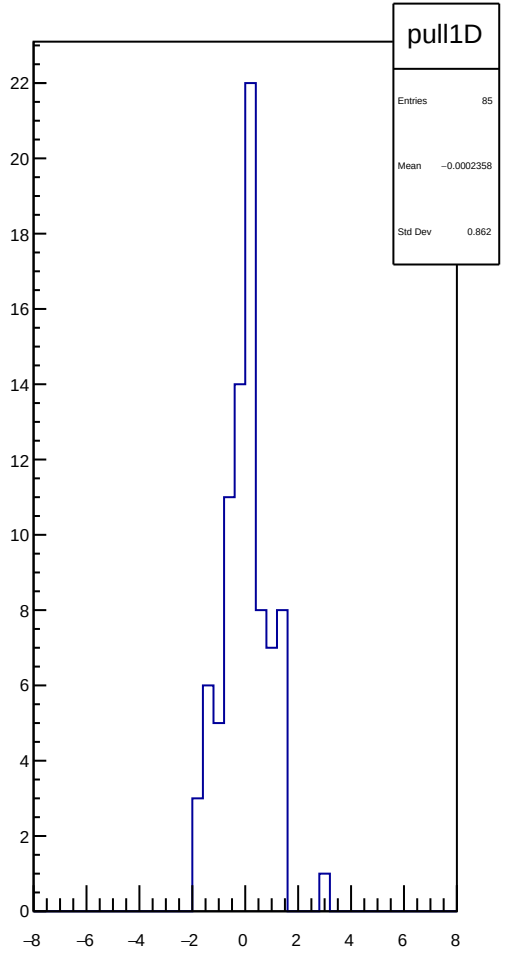


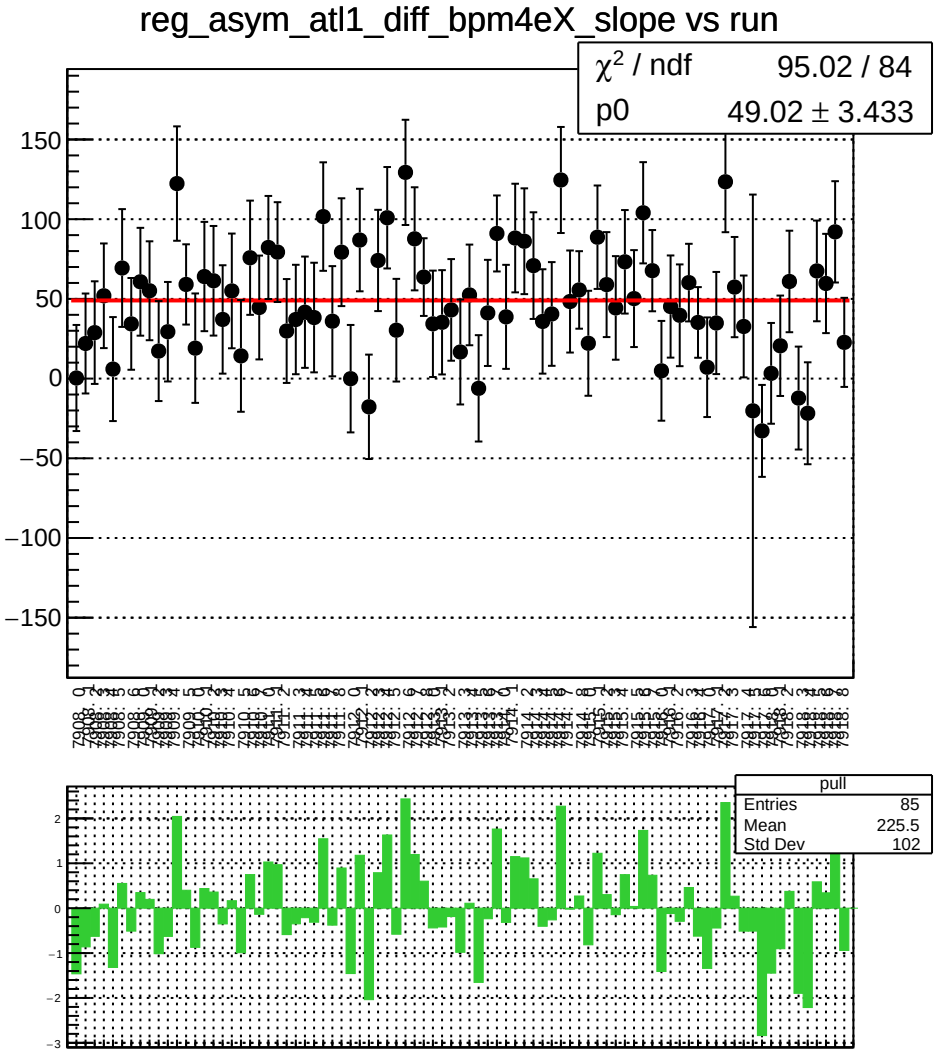


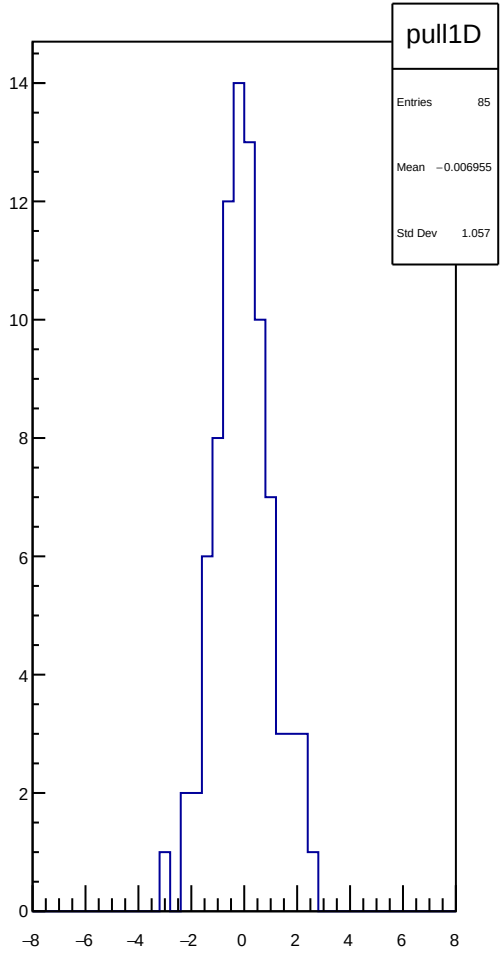

reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 94.74 / 84
p0 −16.04 ± 4.043
pull
Entries 85
Mean 425.5
Std Dev 301.9

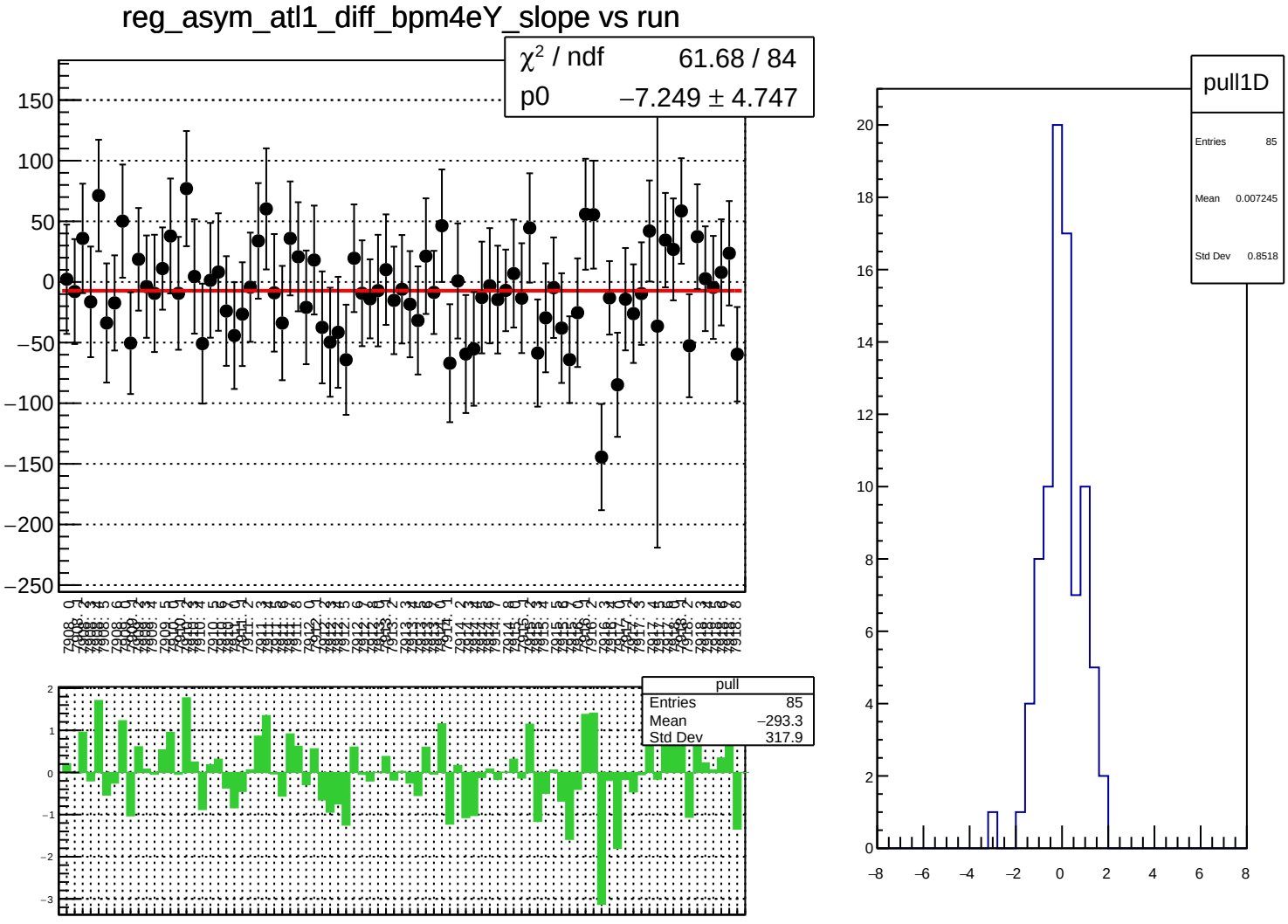

pull1D
Entries 85
Mean 0.002762
Std Dev 1.056

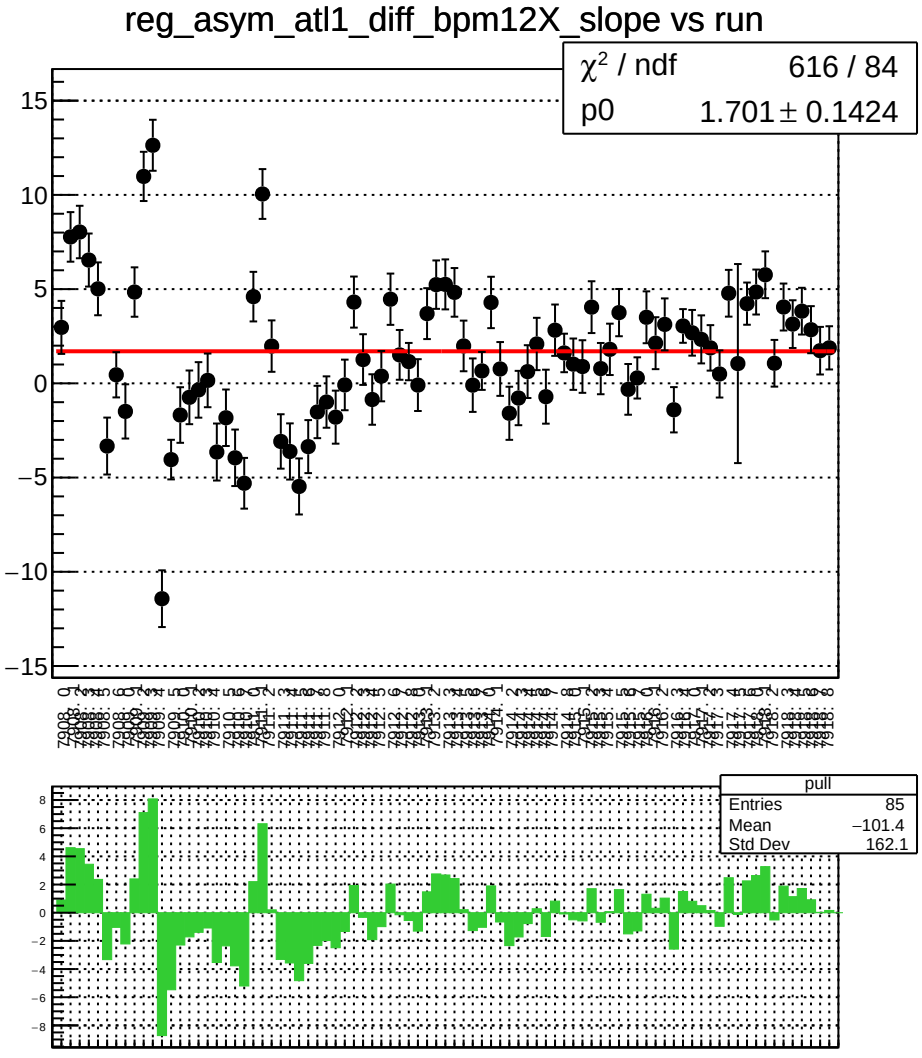

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 63.15 / 84
p0 22.19 ± 4.08
pull
Entries 85
Mean 6841
Std Dev 6760

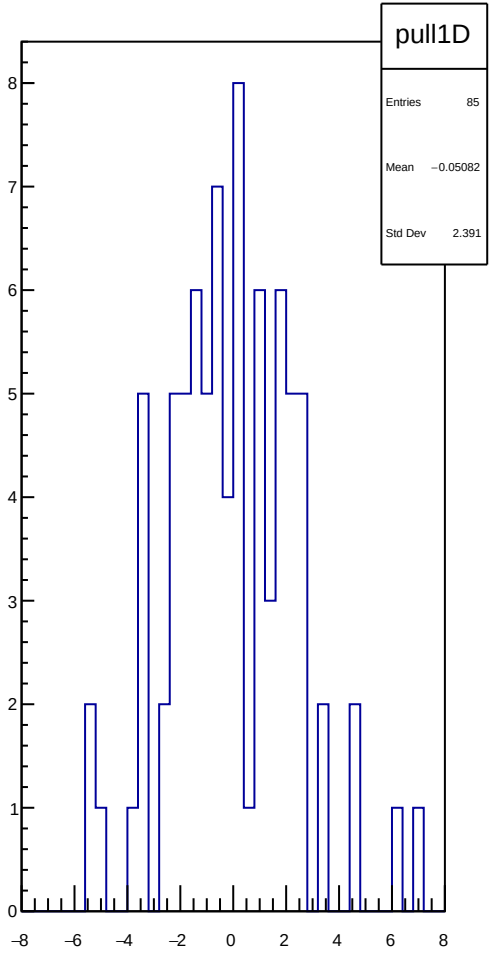

pull1D
Entries 85
Mean −0.0002358
Std Dev 0.862

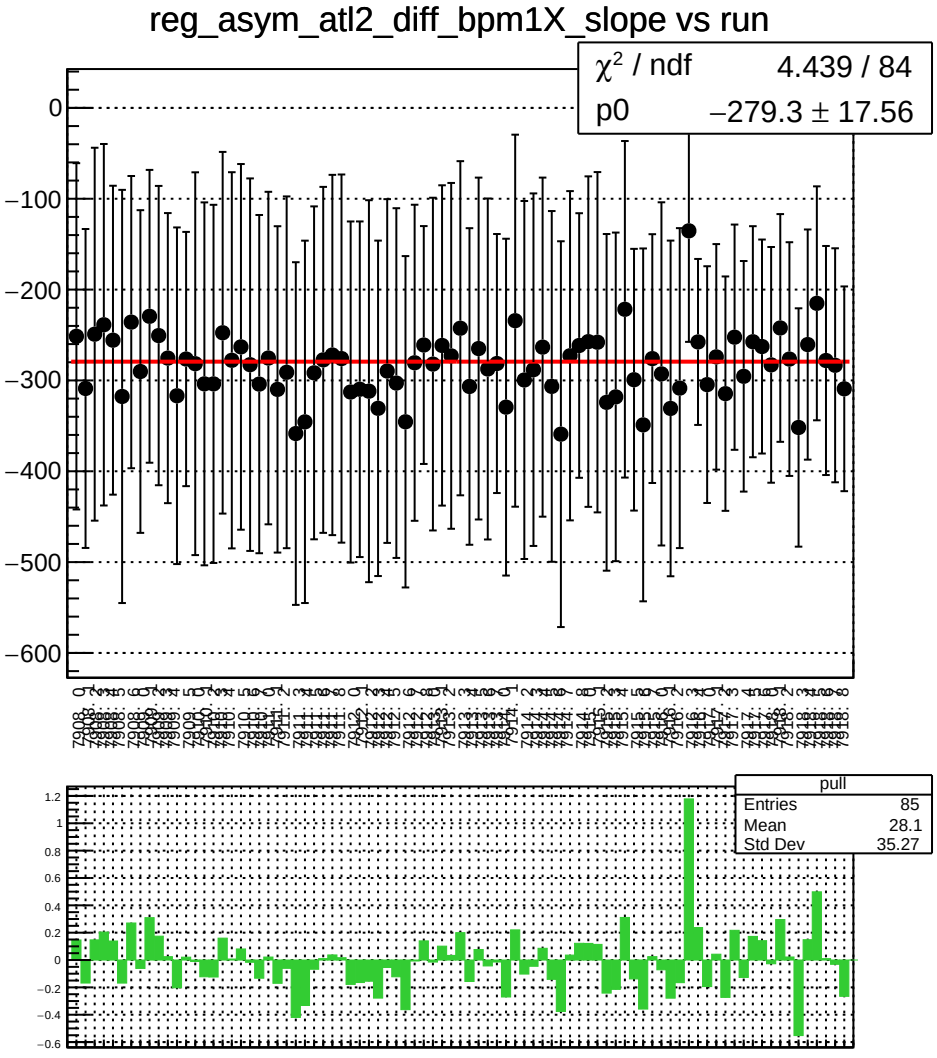

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 95.02 / 84
p0 49.02 ± 3.433
pull
Entries 85
Mean 225.5
Std Dev 102

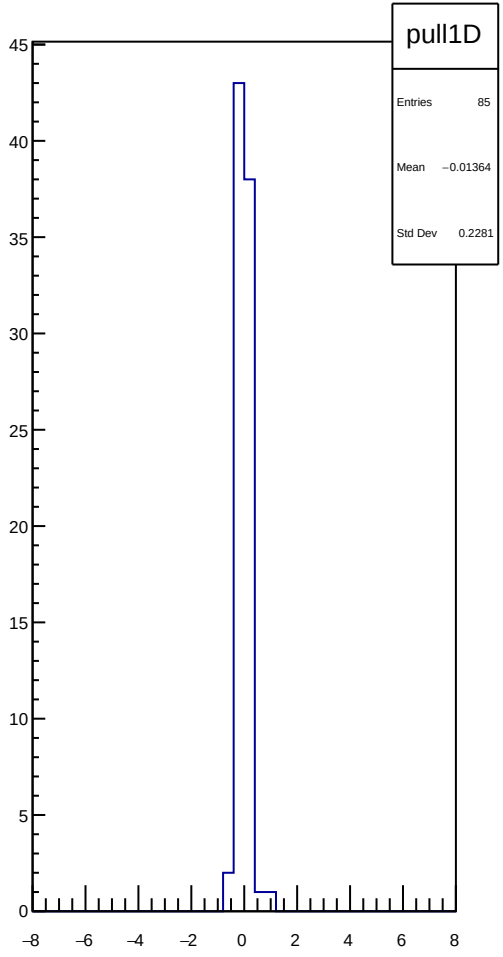

pull1D
Entries 85
Mean −0.006955
Std Dev 1.057

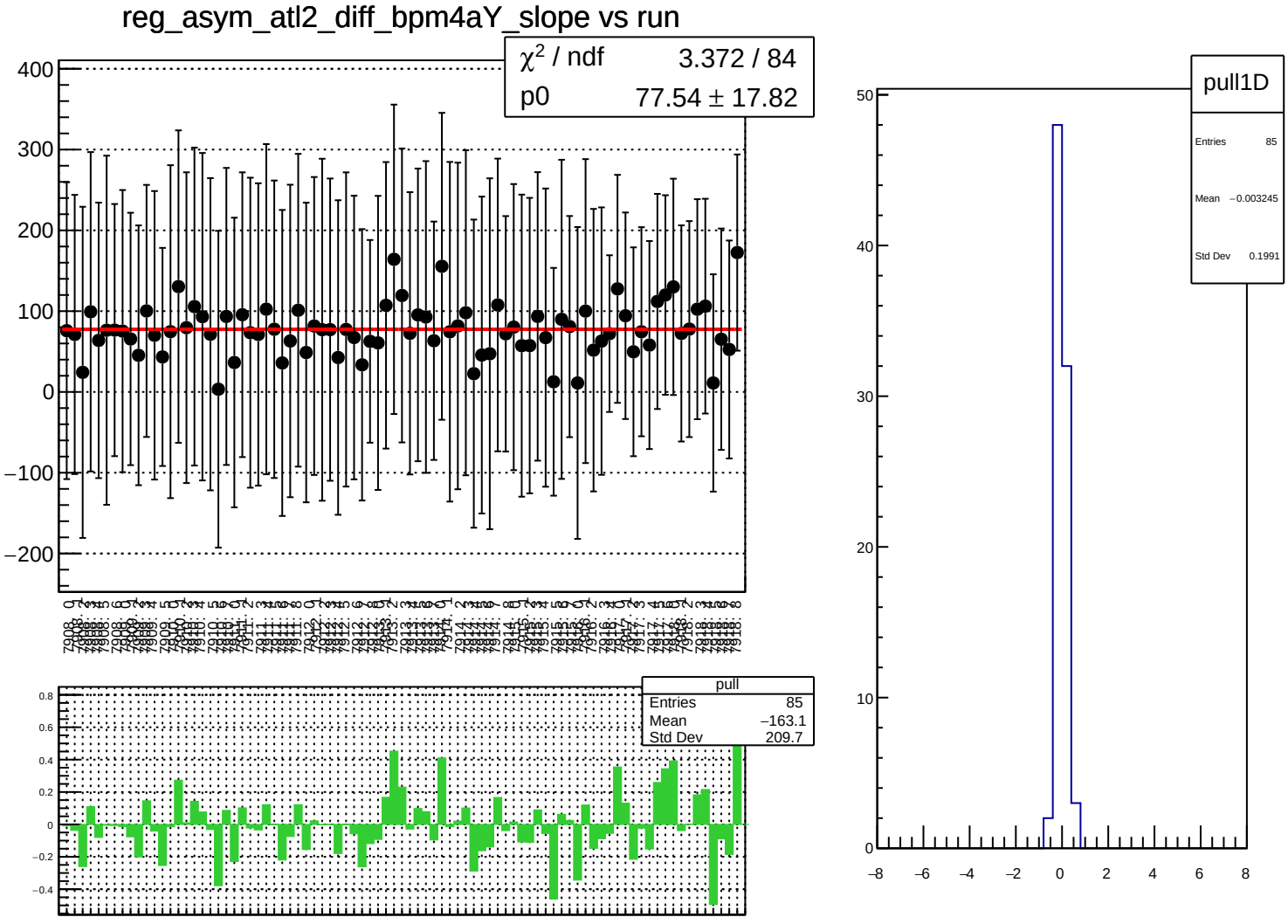

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 61.68 / 84
p0 −7.249 ± 4.747
pull
Entries 85
Mean −293.3
Std Dev 317.9
pull1D
Entries 85
Mean 0.007245
Std Dev 0.8518

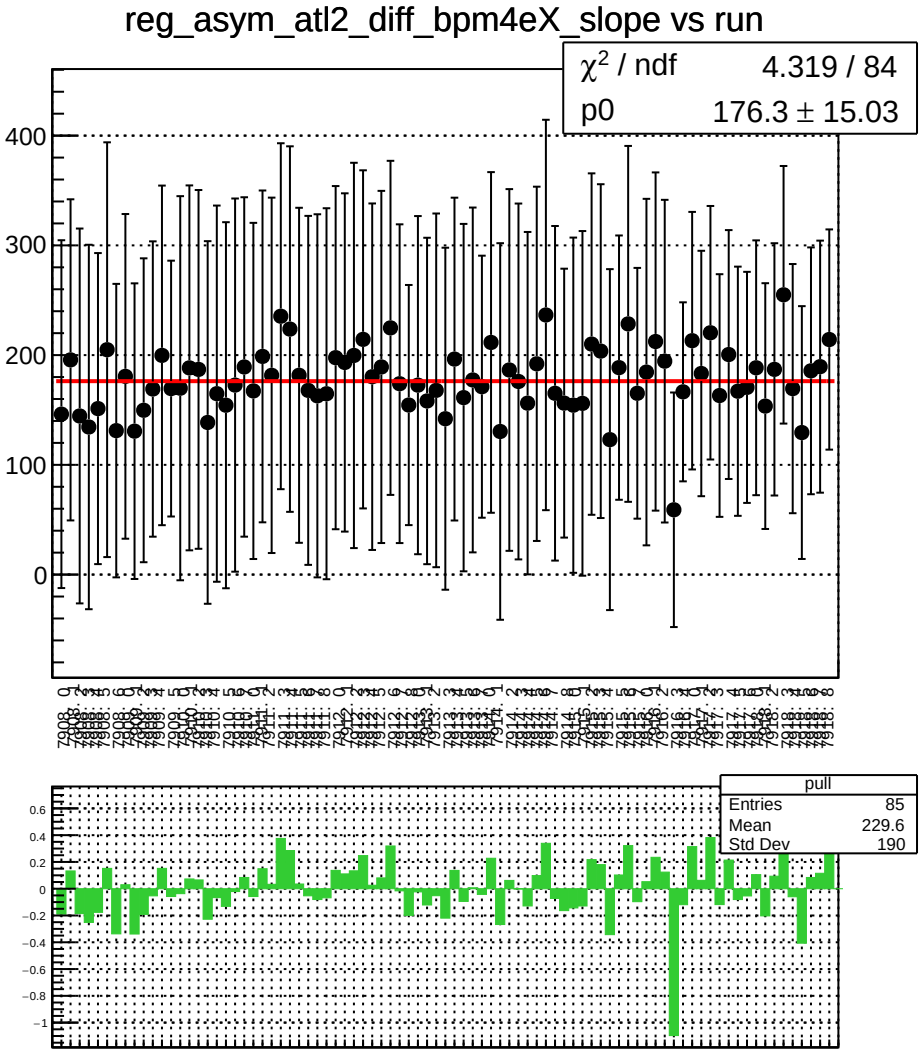

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 616 / 84
p0 1.701 ± 0.1424
pull
Entries 85
Mean −101.4
Std Dev 162.1

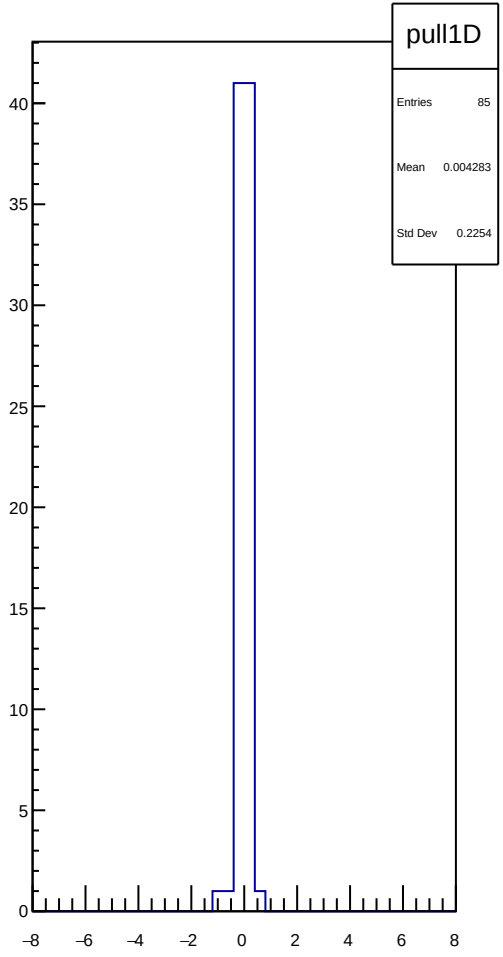

pull1D
Entries 85
Mean −0.05082
Std Dev 2.391

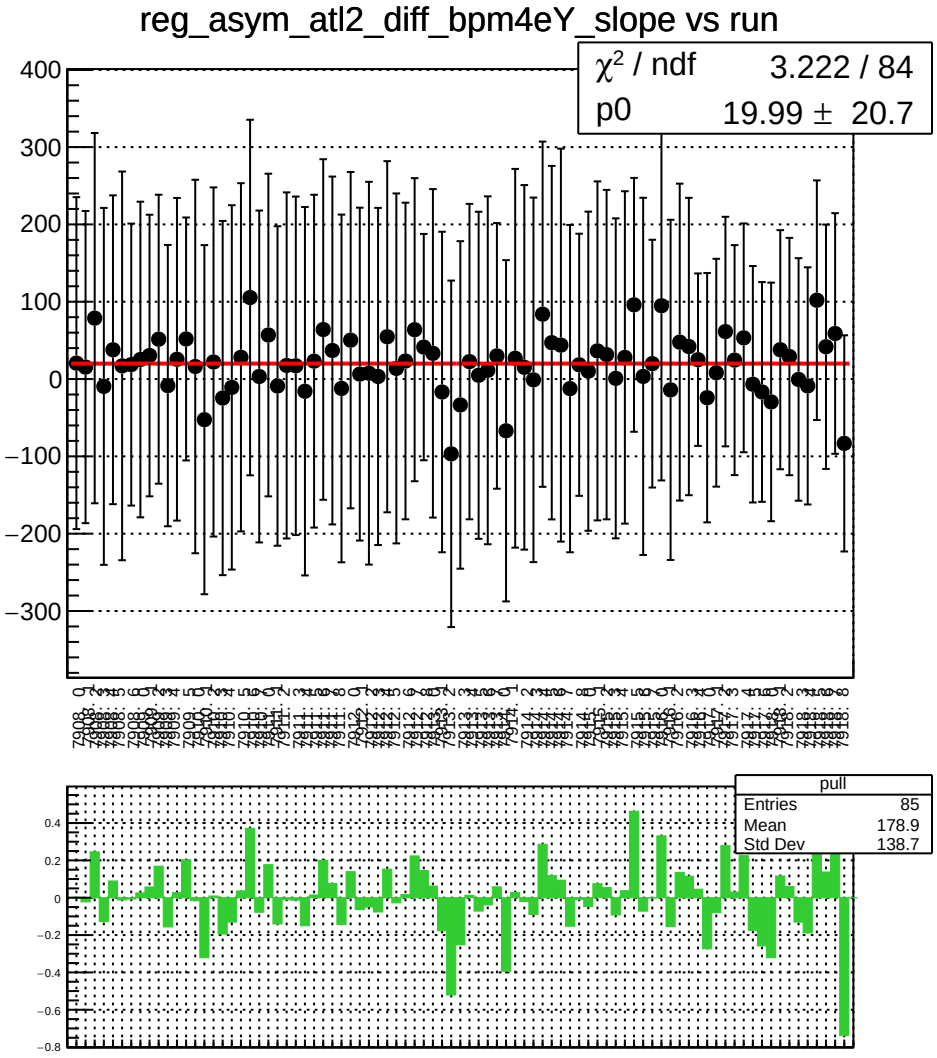

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 4.439 / 84
p0 −279.3 ± 17.56
pull
Entries 85
Mean 28.1
Std Dev 35.27

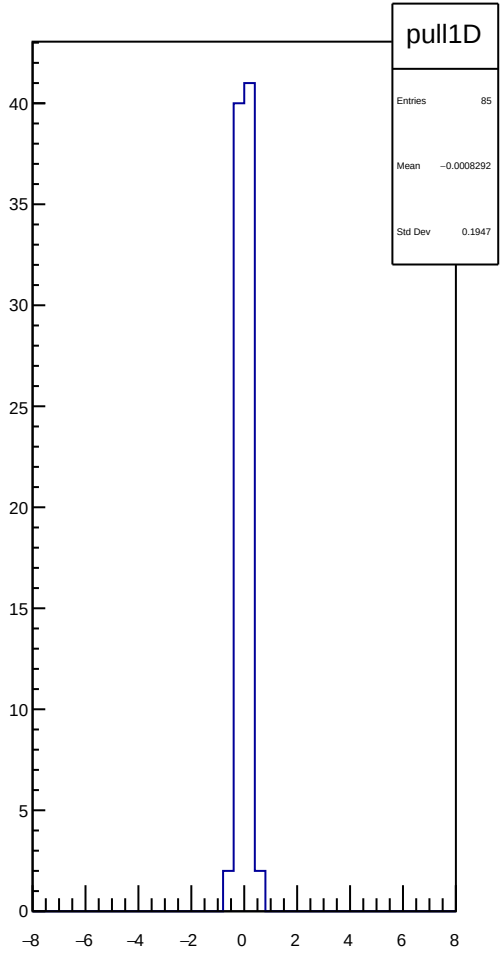

pull1D
Entries 85
Mean −0.01364
Std Dev 0.2281

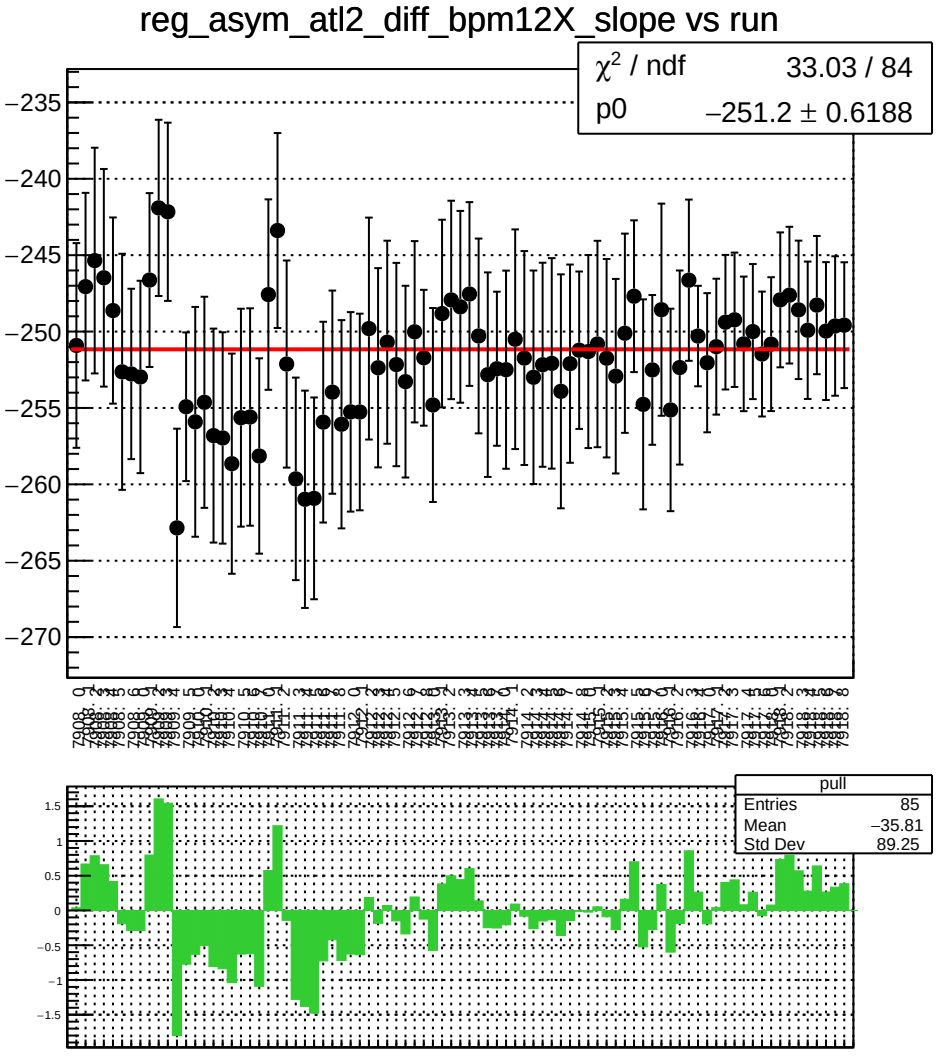

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 3.372 / 84
p0 77.54 ± 17.82
pull
Entries 85
Mean −163.1
Std Dev 209.7
pull1D
Entries 85
Mean −0.003245
Std Dev 0.1991

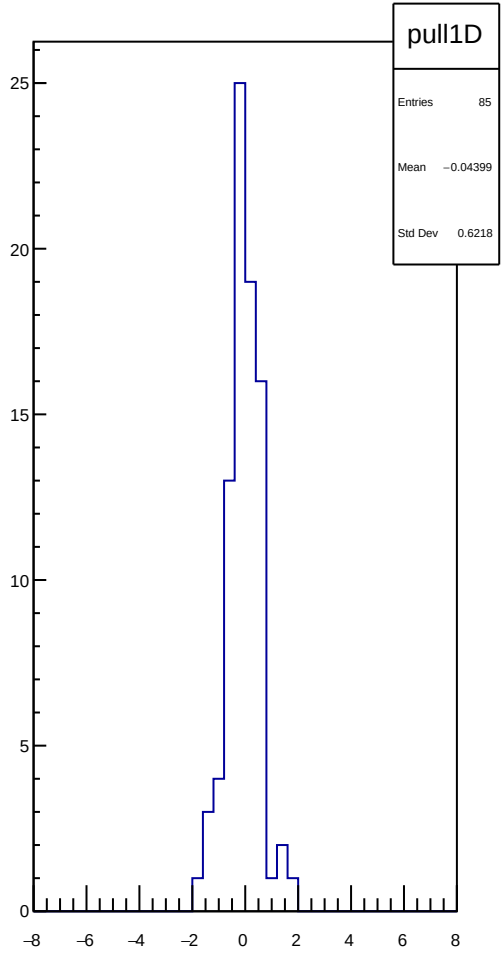

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 4.319 / 84
p0 176.3 ± 15.03
pull
Entries 85
Mean 229.6
Std Dev 190

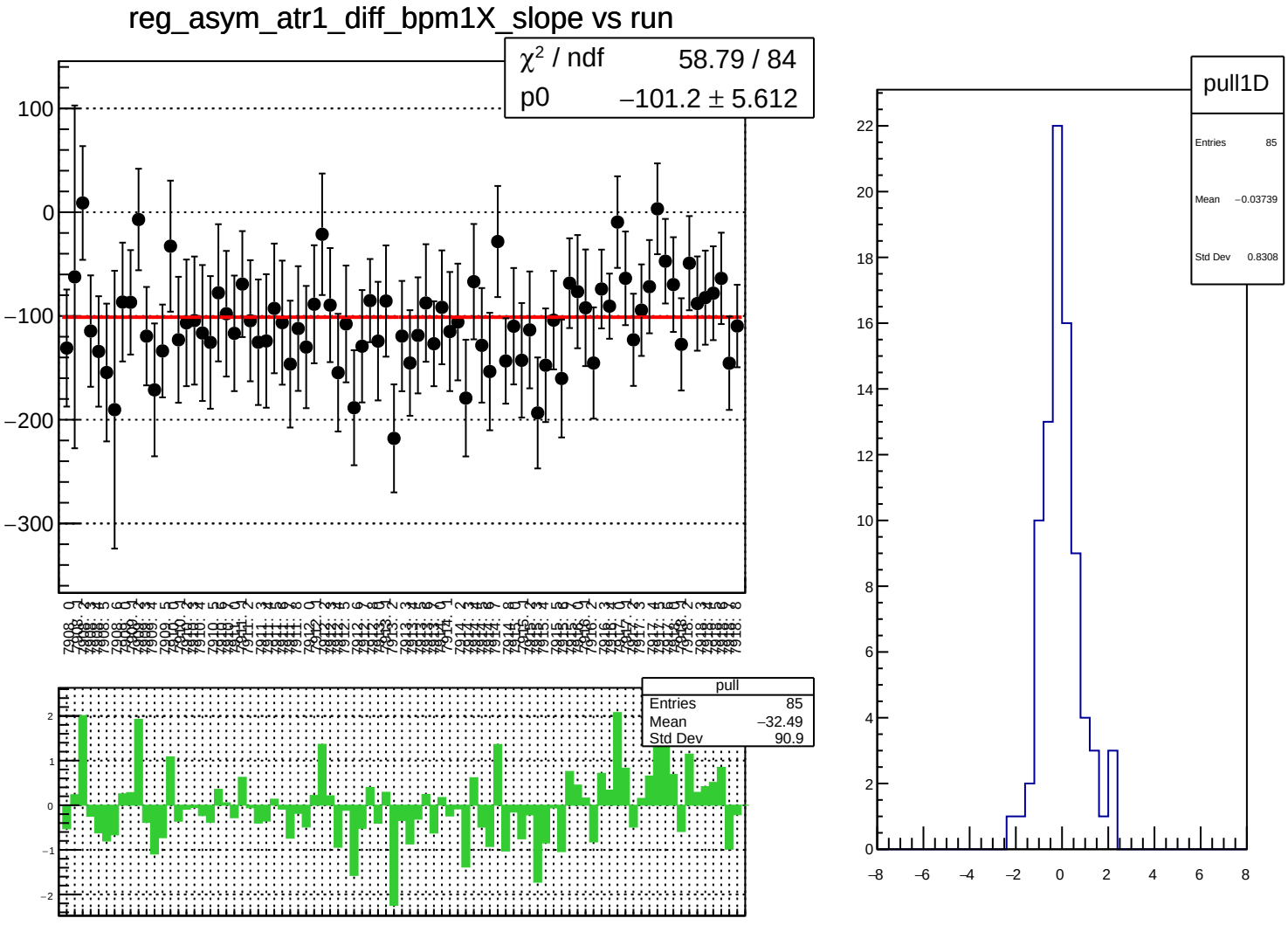

pull1D
Entries 85
Mean 0.004283
Std Dev 0.2254

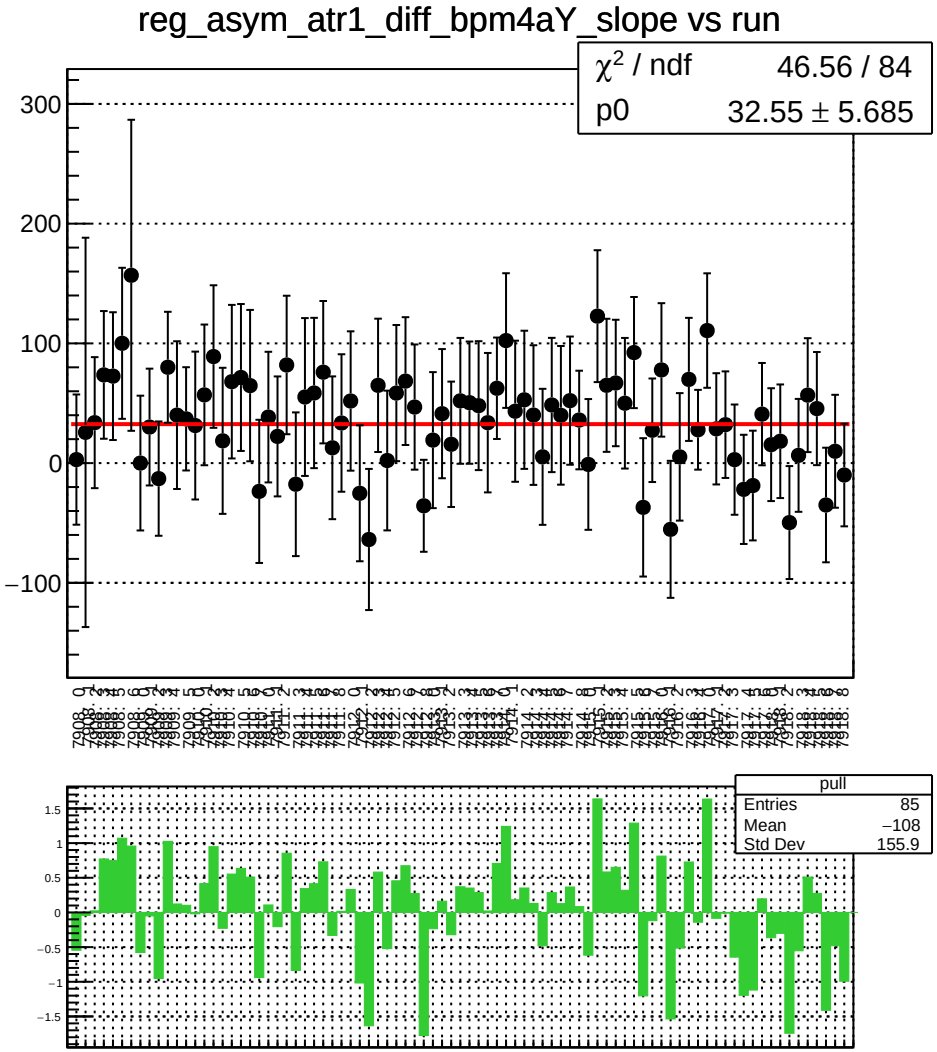

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 3.222 / 84
p0 19.99 ± 20.7
pull
Entries 85
Mean 178.9
Std Dev 138.7

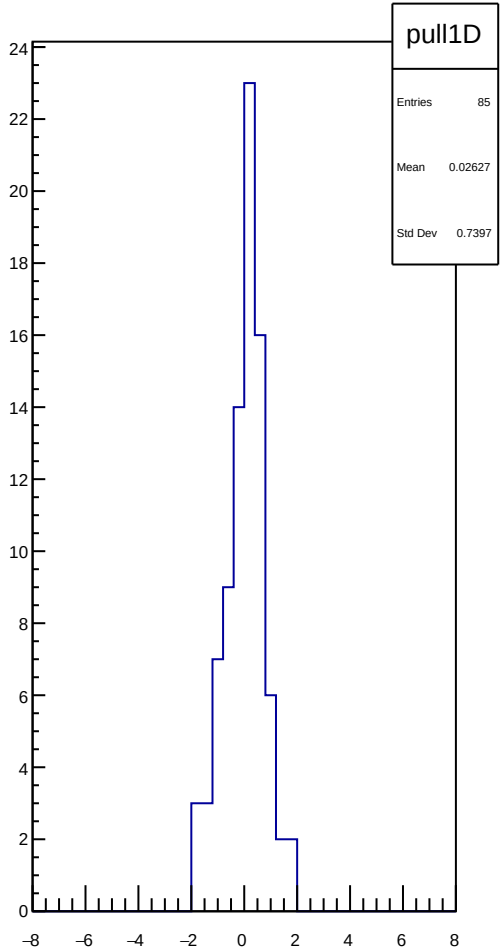

pull1D
Entries 85
Mean −0.0008292
Std Dev 0.1947

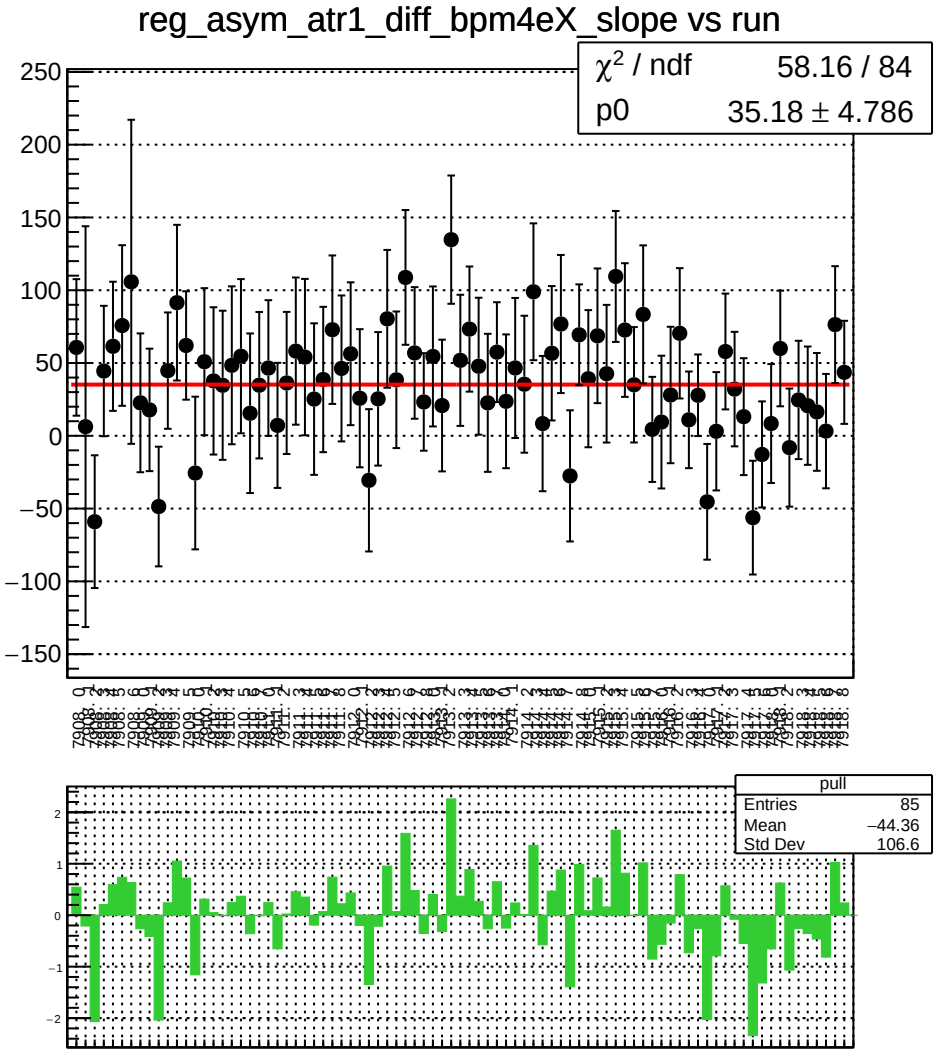

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 33.03 / 84
p0 −251.2 ± 0.6188
pull
Entries 85
Mean −35.81
Std Dev 89.25

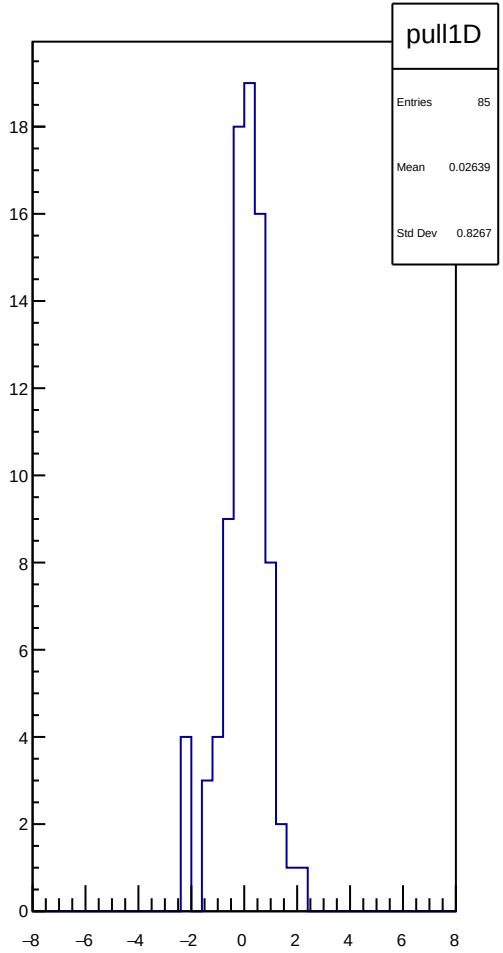

pull1D
Entries 85
Mean −0.04399
Std Dev 0.6218

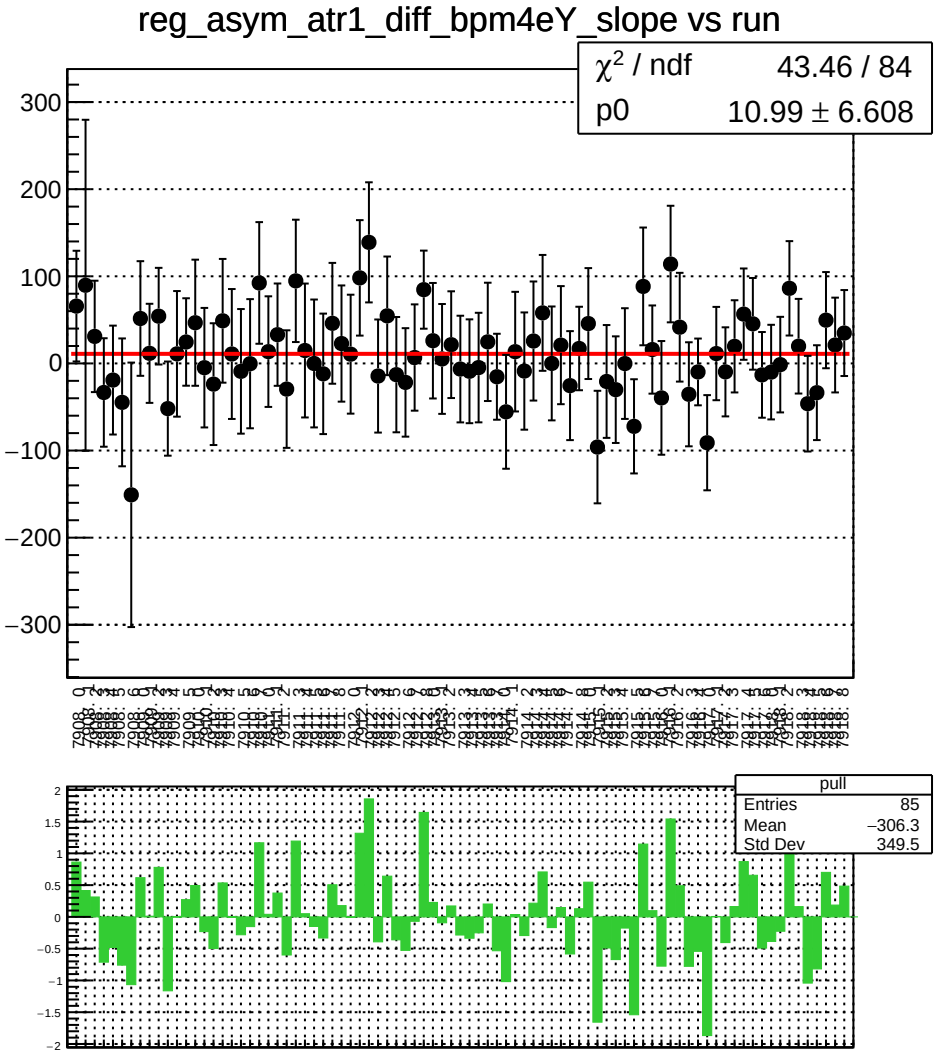

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 58.79 / 84
p0 −101.2 ± 5.612
pull
Entries 85
Mean −32.49
Std Dev 90.9
pull1D
Entries 85
Mean −0.03739
Std Dev 0.8308

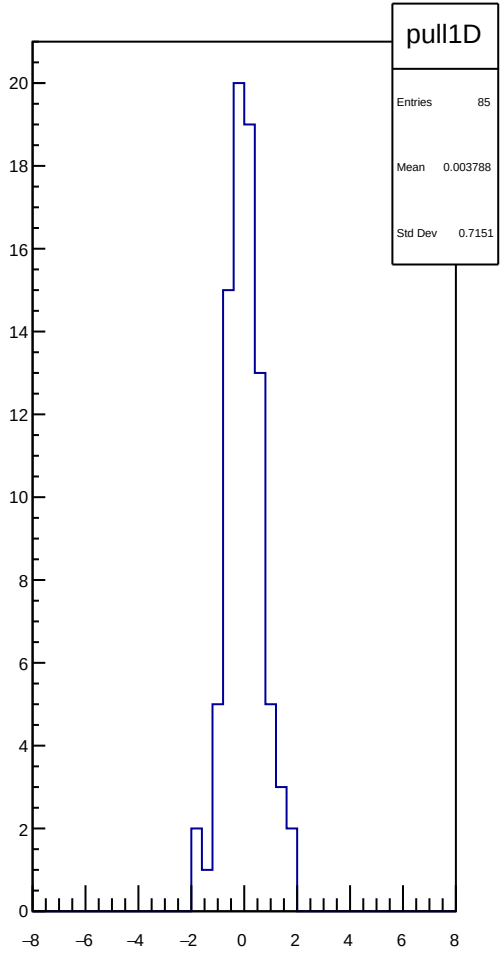

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 46.56 / 84
p0 32.55 ± 5.685
pull
Entries 85
Mean −108
Std Dev 155.9

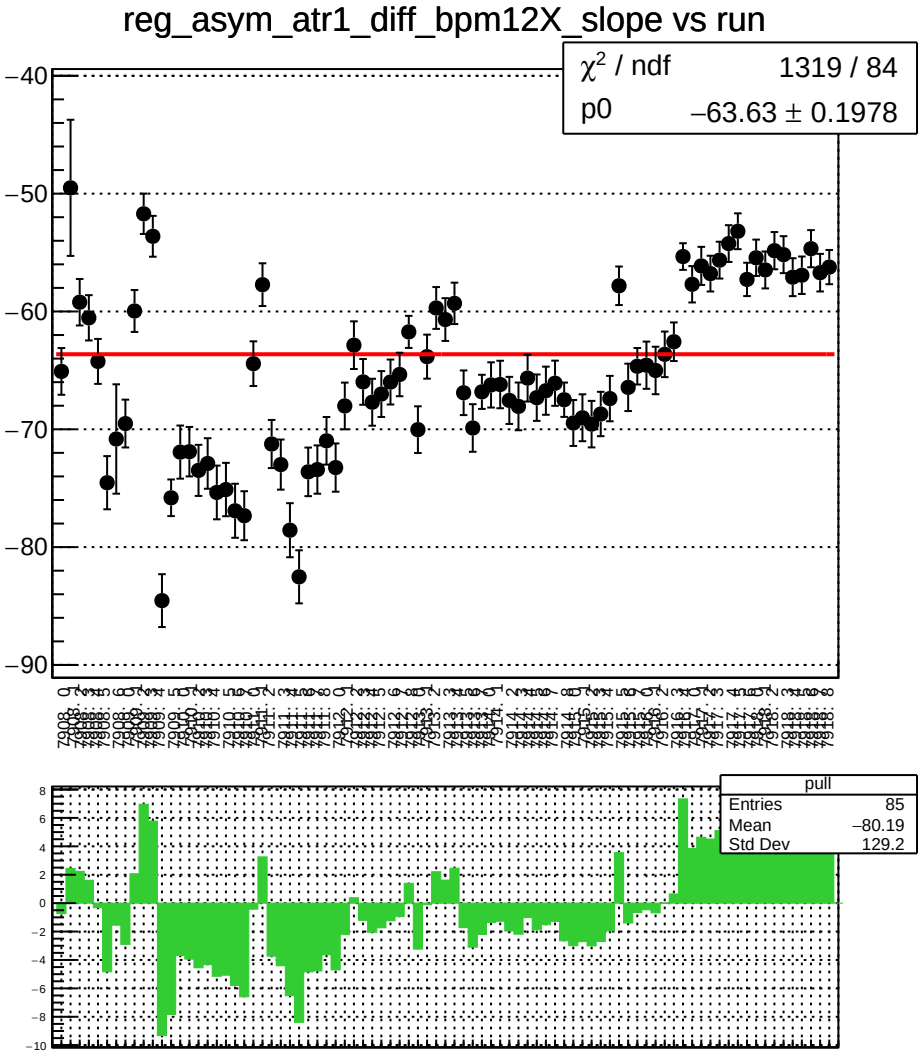

pull1D
Entries 85
Mean 0.02627
Std Dev 0.7397

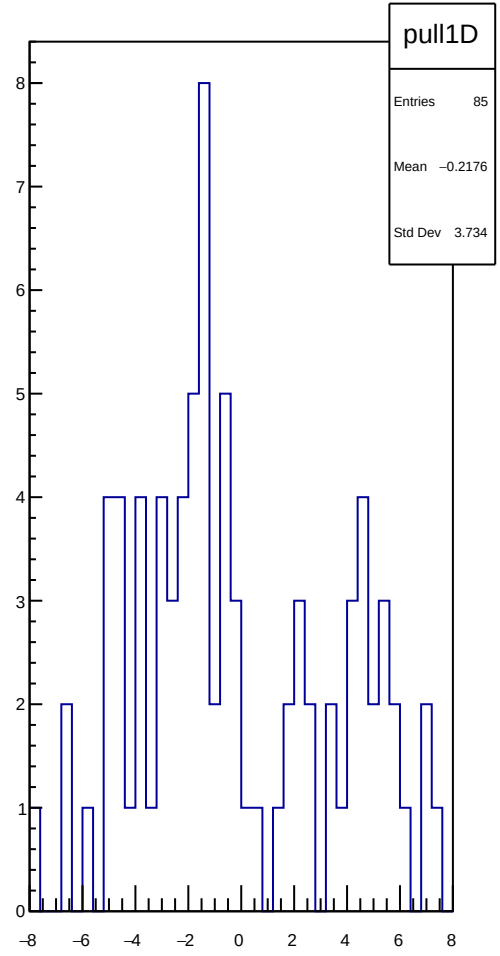

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 58.16 / 84
p0 35.18 ± 4.786
pull
Entries 85
Mean −44.36
Std Dev 106.6

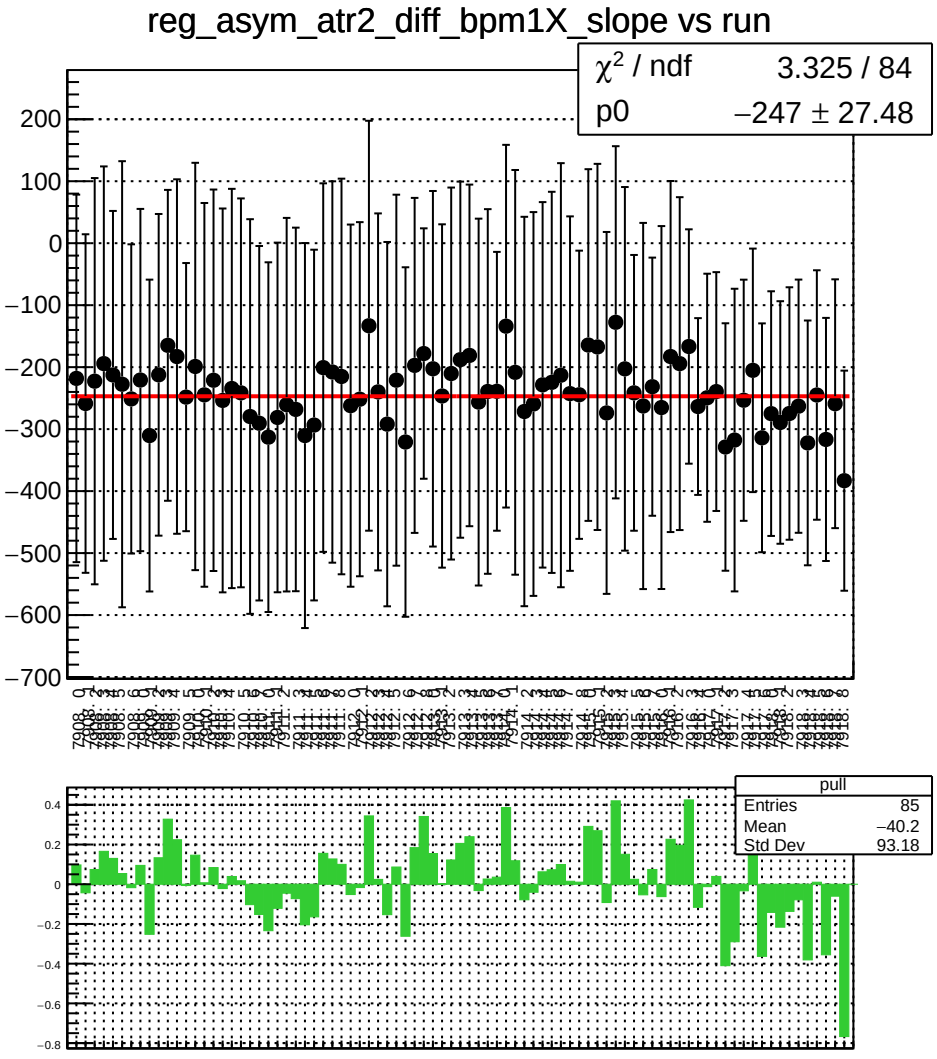

pull1D
Entries 85
Mean 0.02639
Std Dev 0.8267

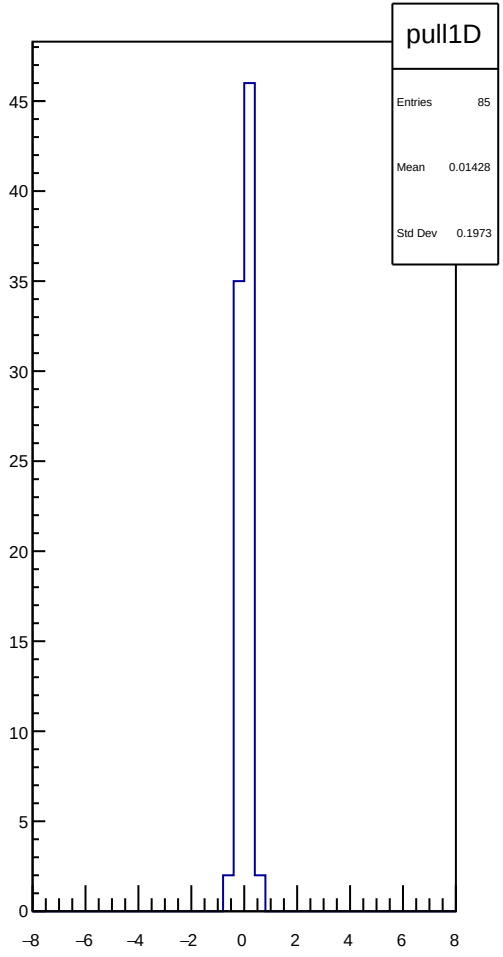

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 43.46 / 84
p0 10.99 ± 6.608
pull
Entries 85
Mean −306.3
Std Dev 349.5

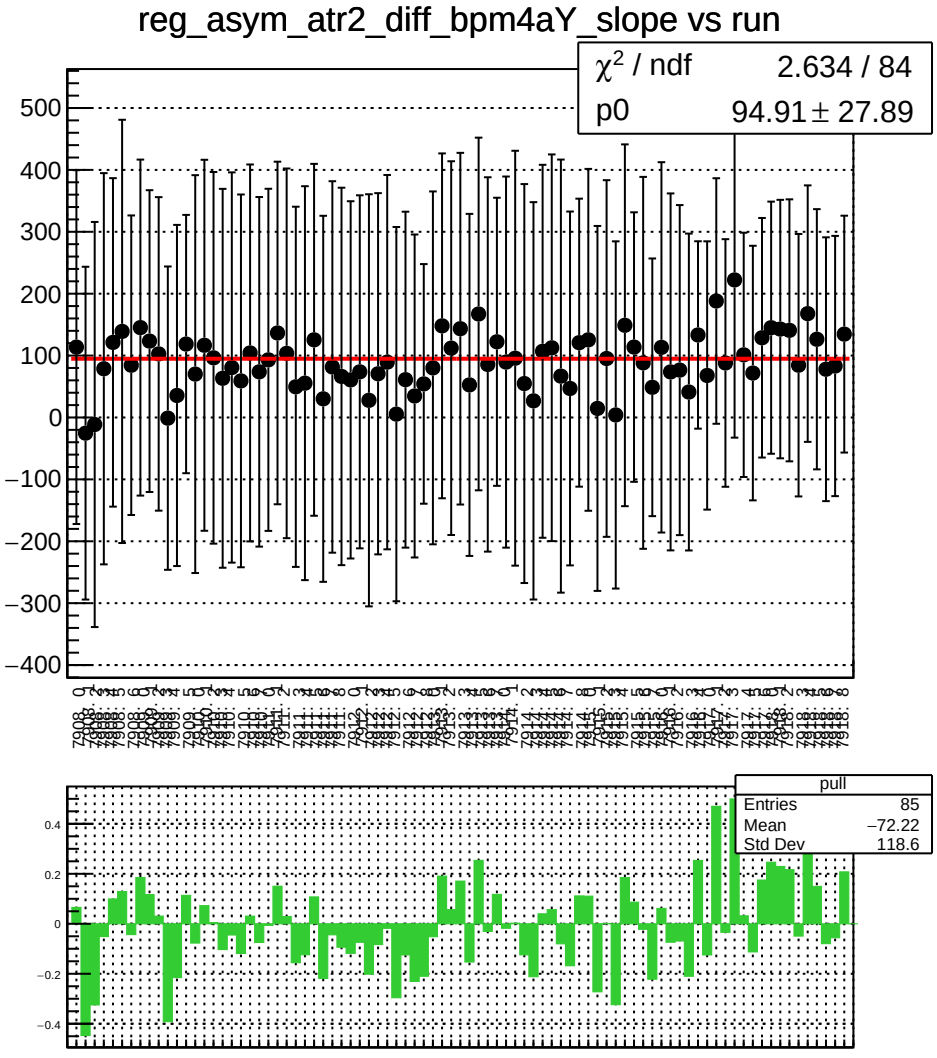

pull1D
Entries 85
Mean 0.003788
Std Dev 0.7151

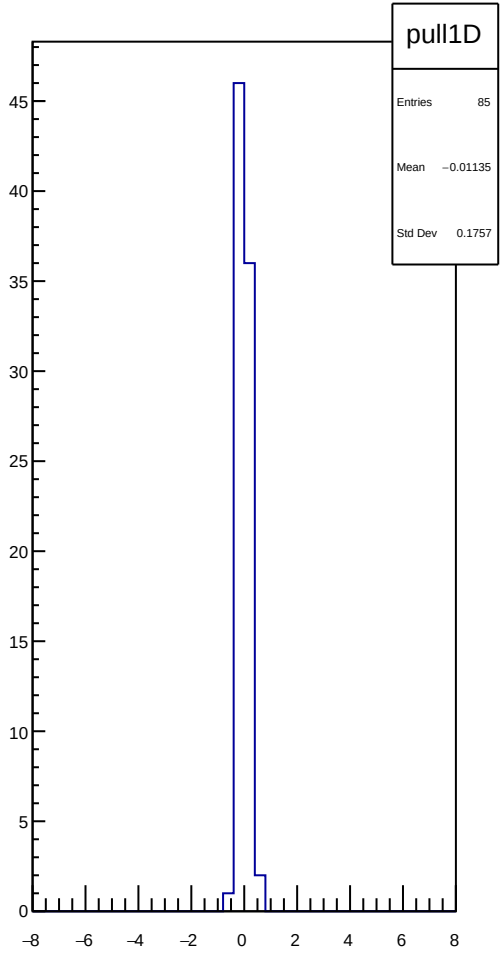

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 1319 / 84
p0 −63.63 ± 0.1978
pull
Entries 85
Mean −80.19
Std Dev 129.2

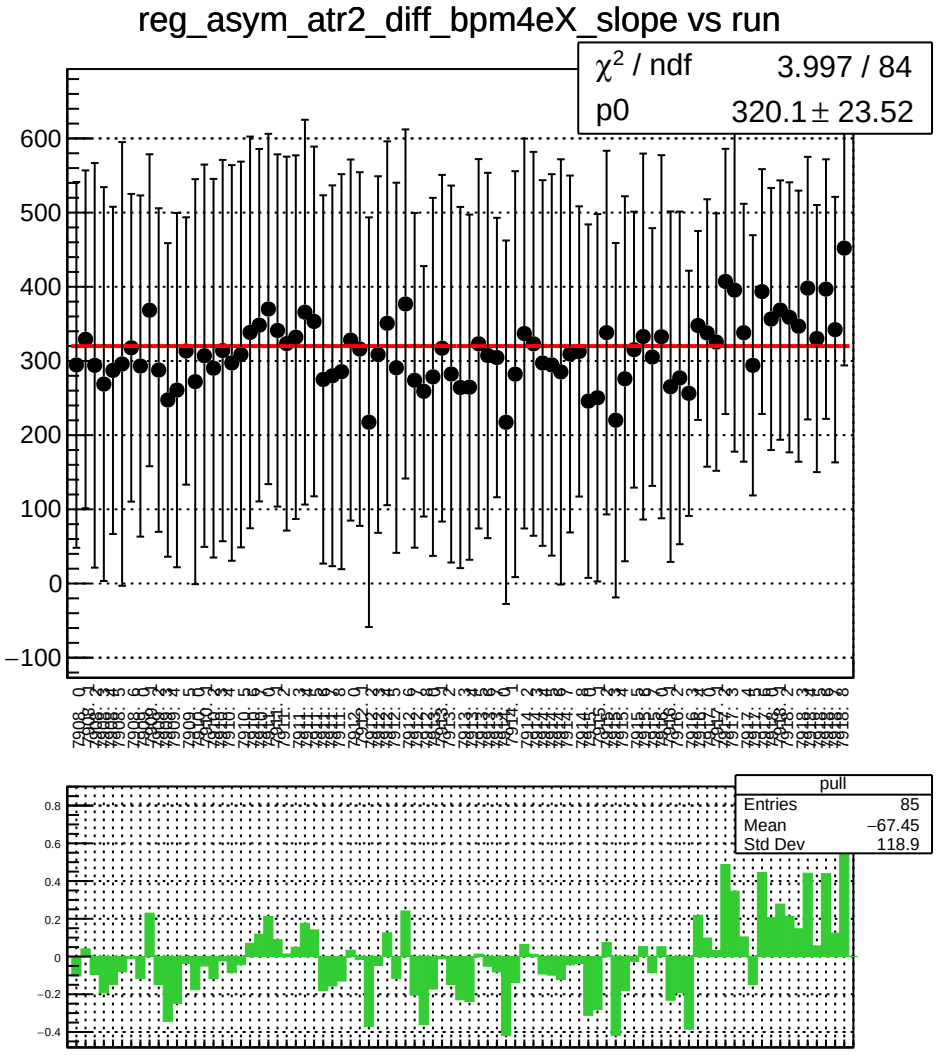

pull1D
Entries 85
Mean −0.2176
Std Dev 3.734

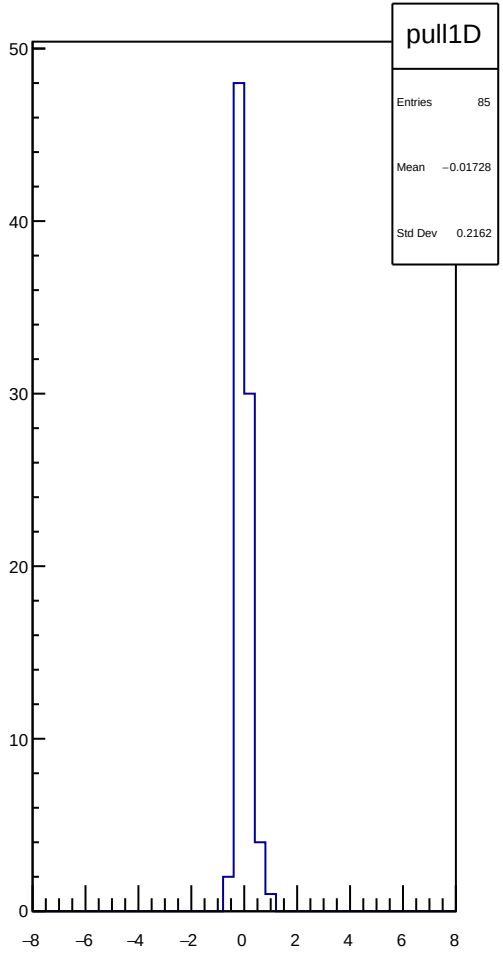

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 3.325 / 84
p0 −247 ± 27.48
pull
Entries 85
Mean −40.2
Std Dev 93.18

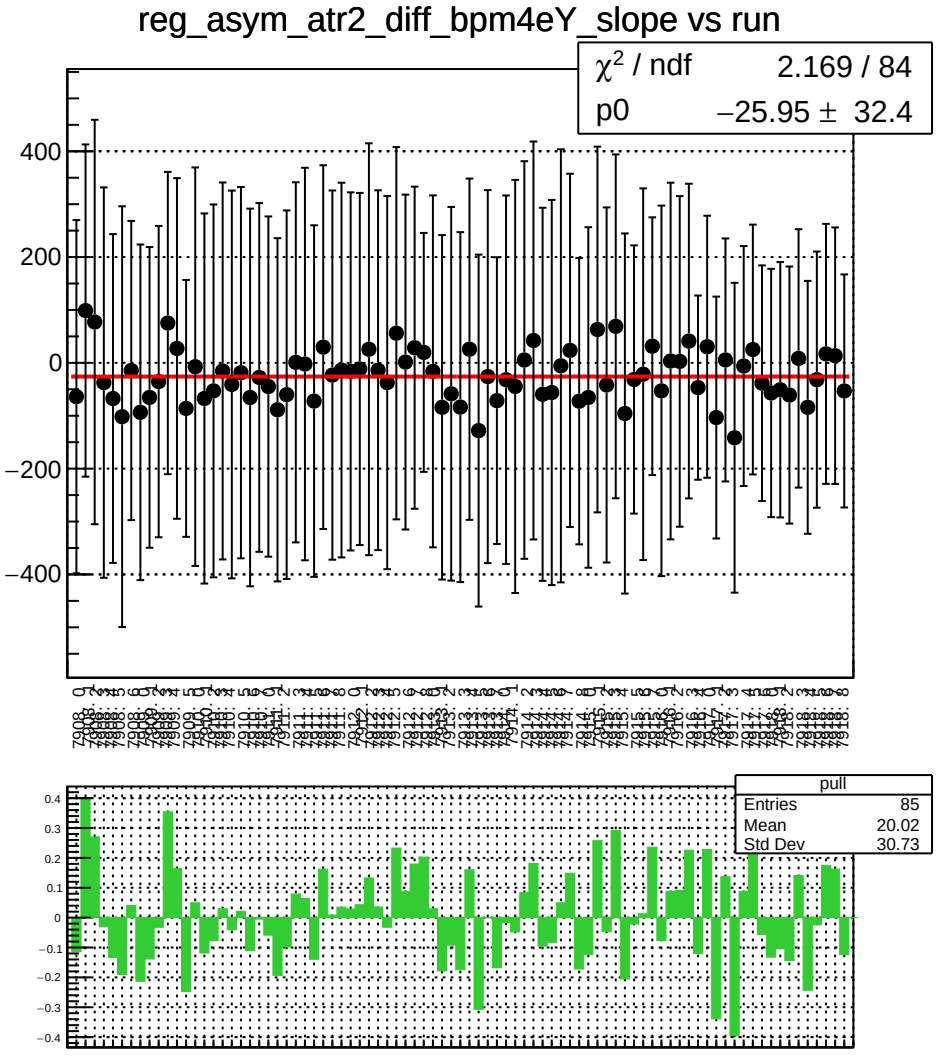

pull1D
Entries 85
Mean 0.01428
Std Dev 0.1973

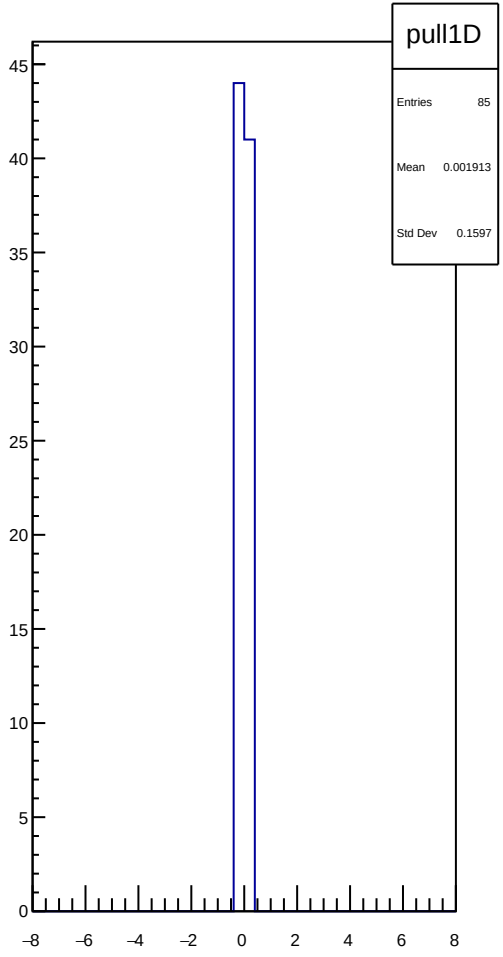

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 2.634 / 84
p0 94.91 ± 27.89
pull
Entries 85
Mean −72.22
Std Dev 118.6

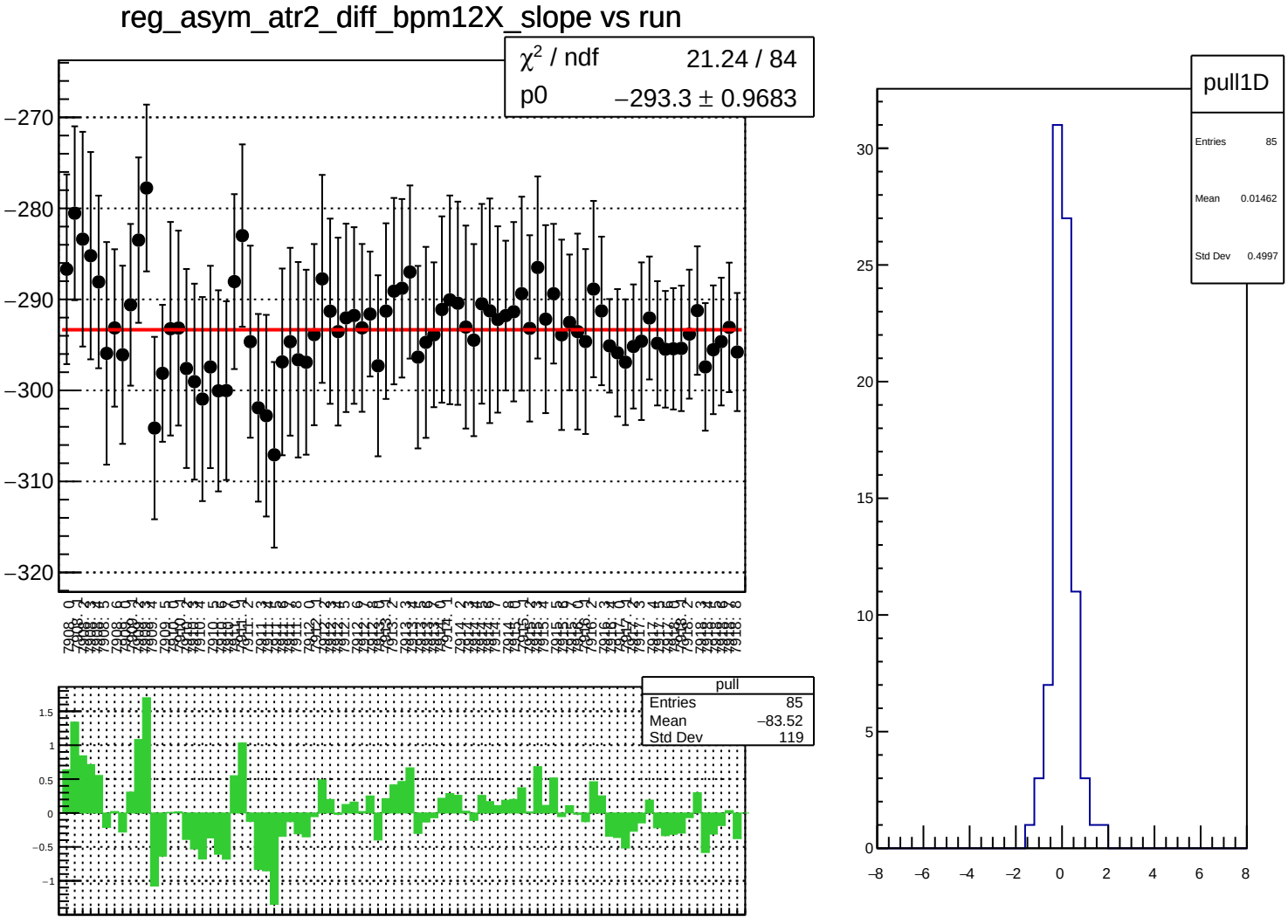

pull1D
Entries 85
Mean −0.01135
Std Dev 0.1757

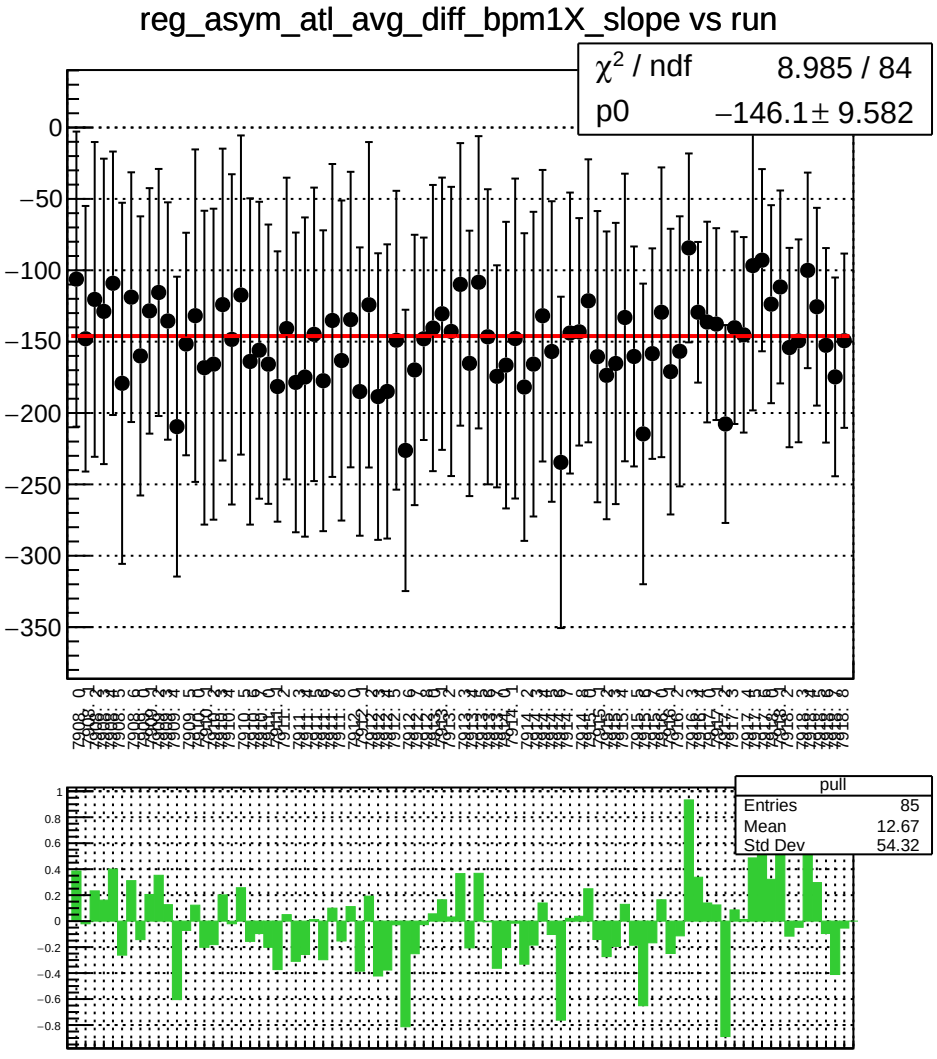

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 3.997 / 84
p0 320.1 ± 23.52
pull
Entries 85
Mean −67.45
Std Dev 118.9

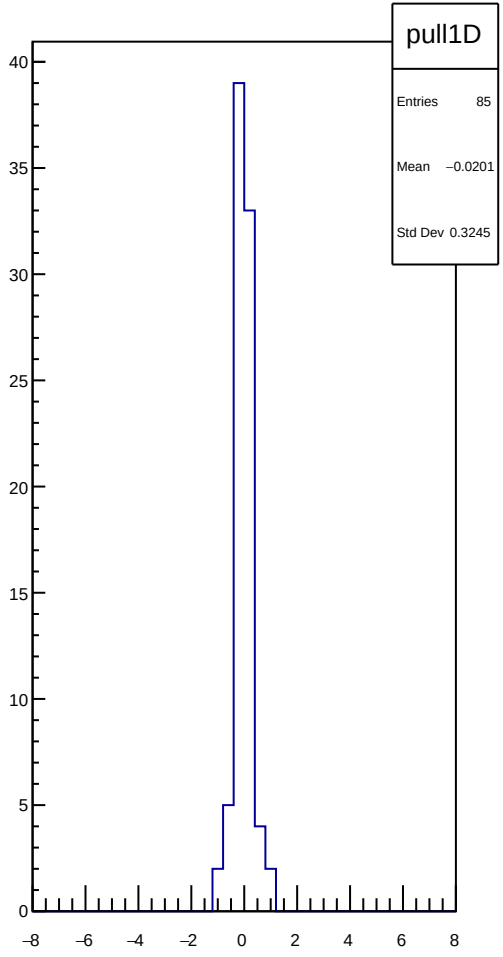

pull1D
Entries 85
Mean −0.01728
Std Dev 0.2162

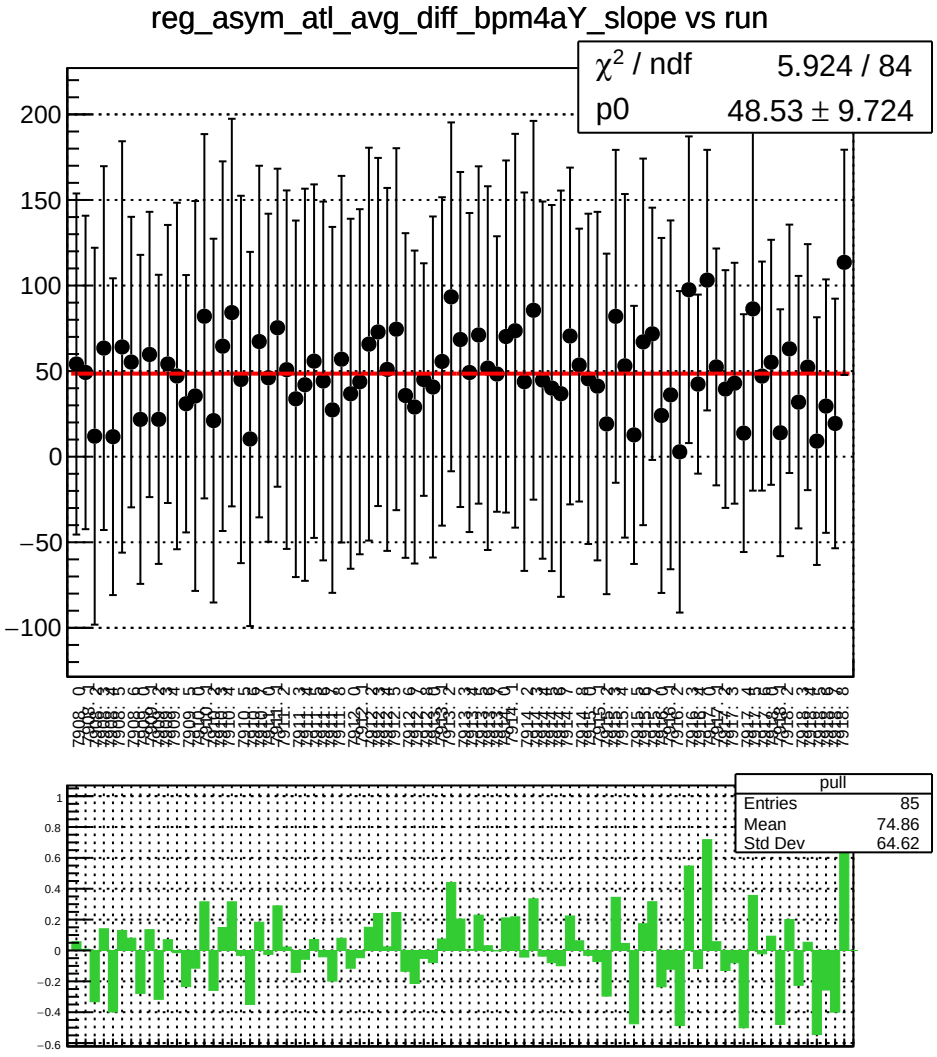

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 2.169 / 84
p0 −25.95 ± 32.4
400
200
0
−200
−400
pull
Entries 85
Mean 20.02
Std Dev 30.73
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

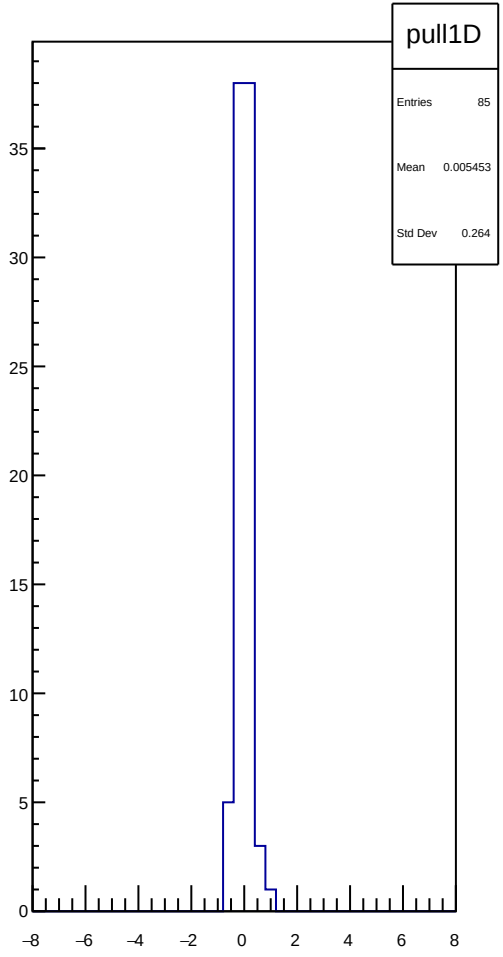

pull1D
Entries 85
Mean 0.001913
Std Dev 0.1597
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

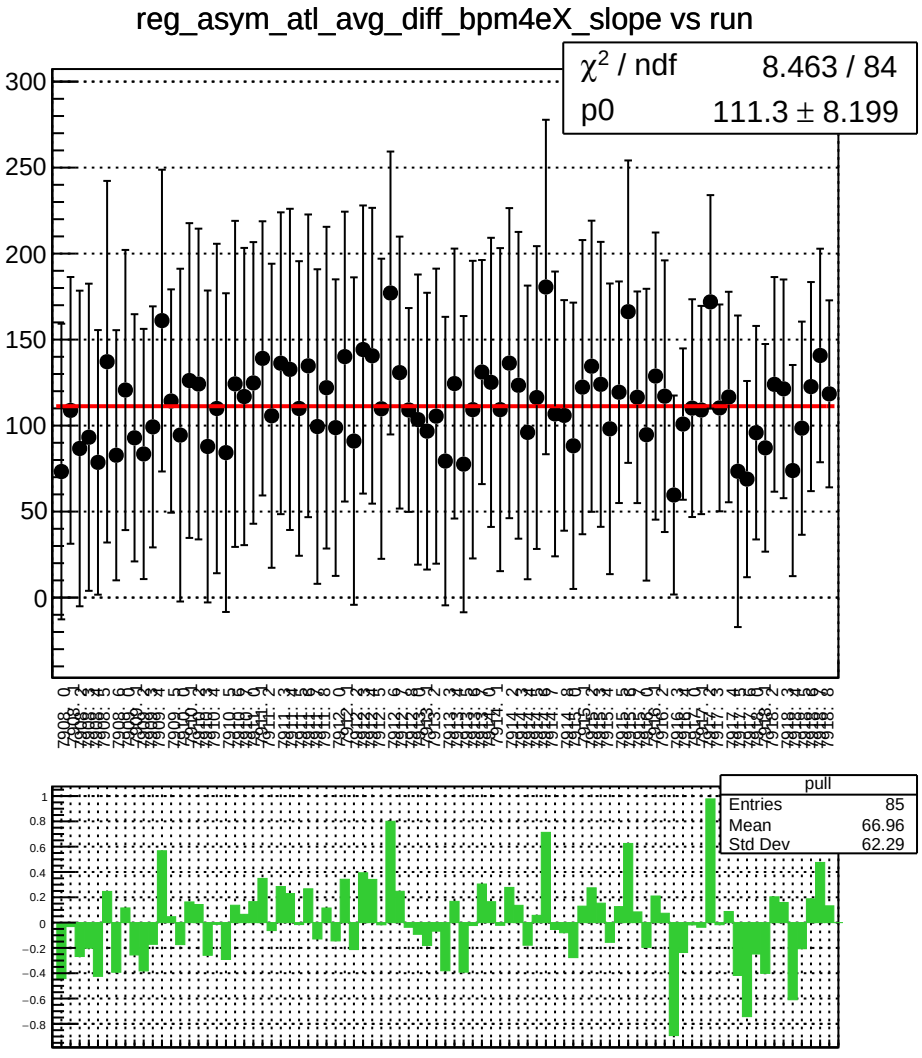

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 21.24 / 84
p0 −293.3 ± 0.9683
−270
−280
−290
−300
−310
−320
pull
Entries 85
Mean −83.52
Std Dev 119
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean 0.01462
Std Dev 0.4997
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

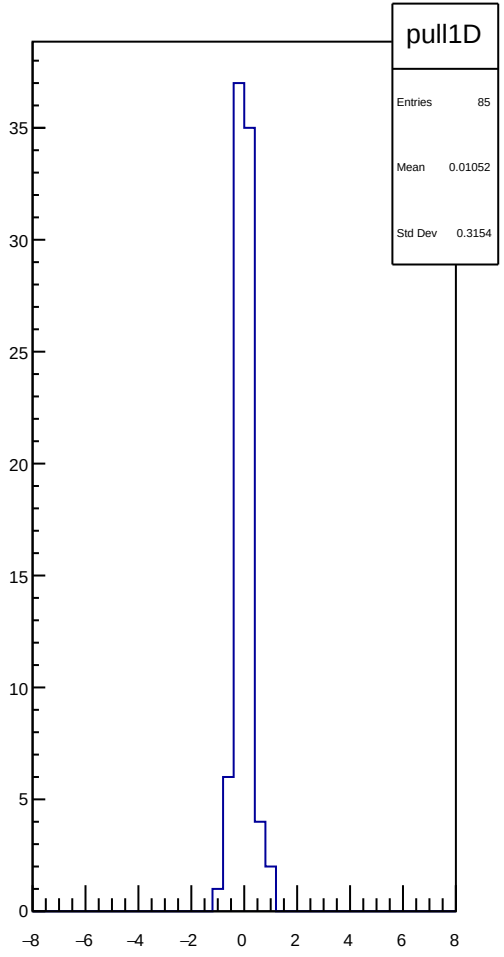

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.985 / 84
p0 −146.1 ± 9.582
pull
Entries 85
Mean 12.67
Std Dev 54.32

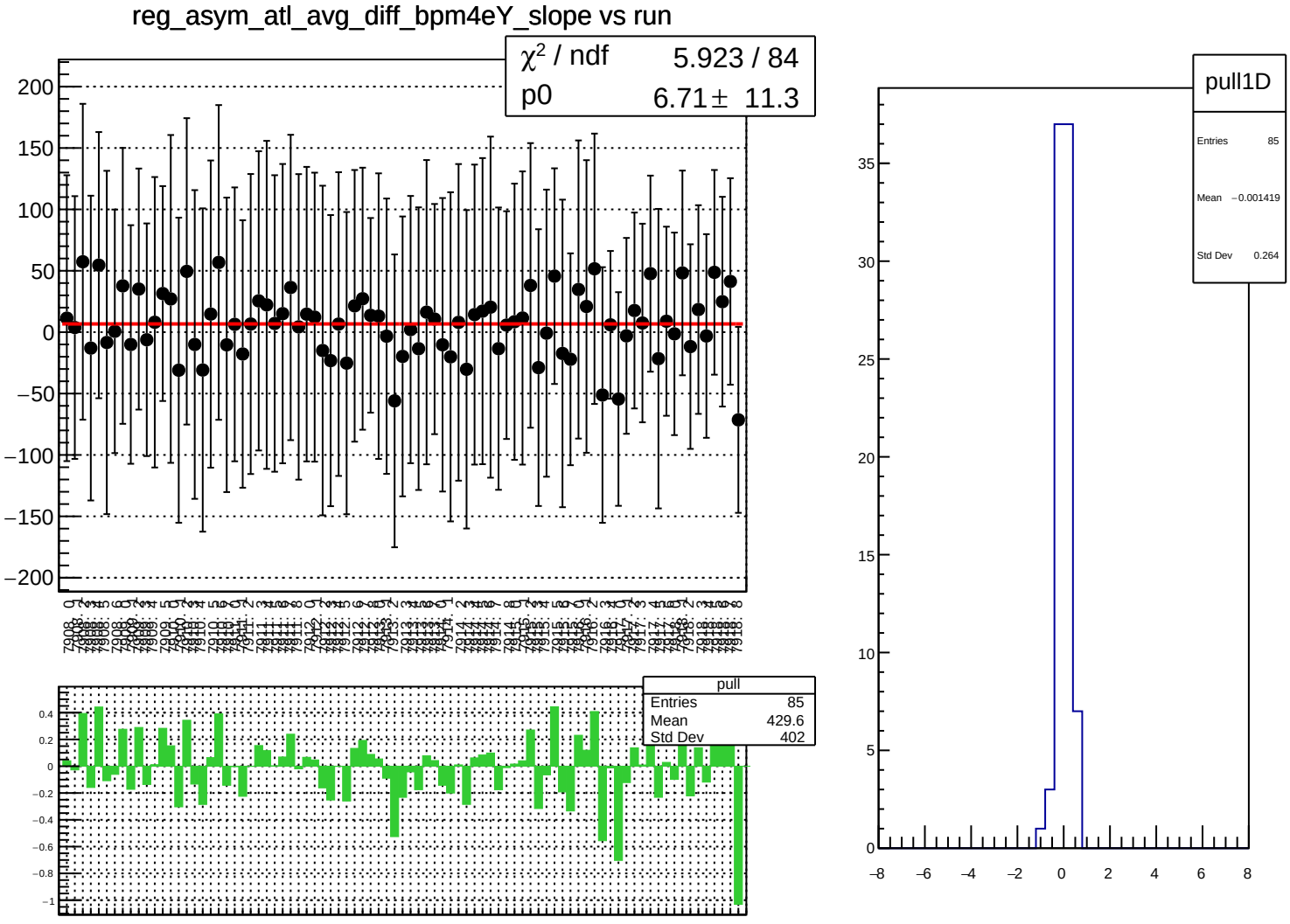

pull1D
Entries 85
Mean −0.0201
Std Dev 0.3245

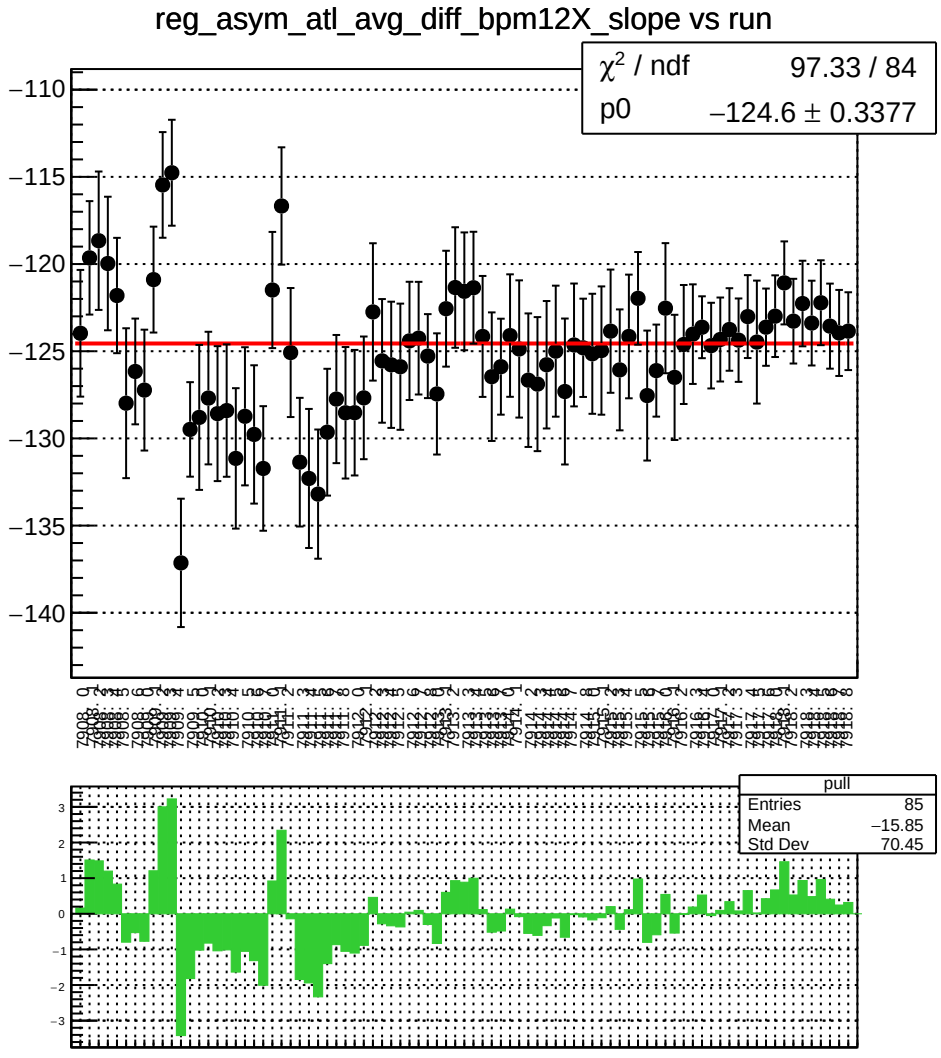

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 5.924 / 84
p0 48.53 ± 9.724
pull
Entries 85
Mean 74.86
Std Dev 64.62

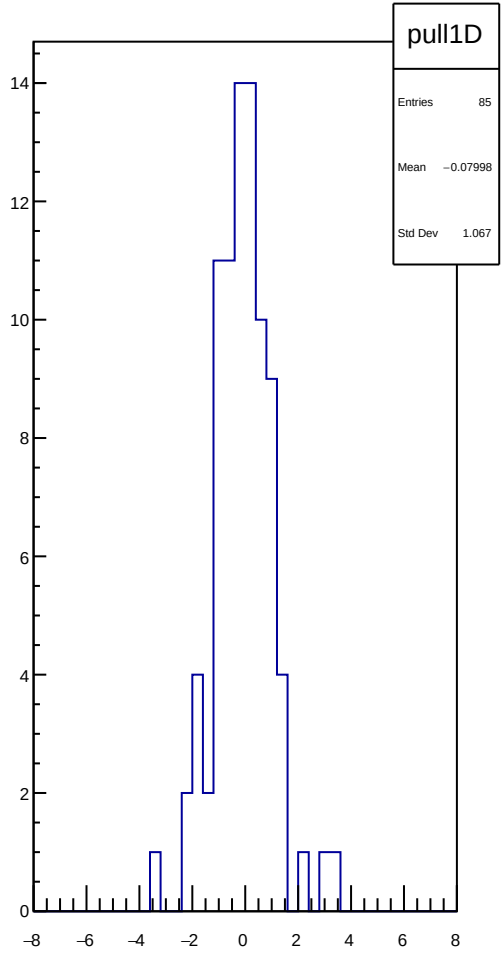

pull1D
Entries 85
Mean 0.005453
Std Dev 0.264

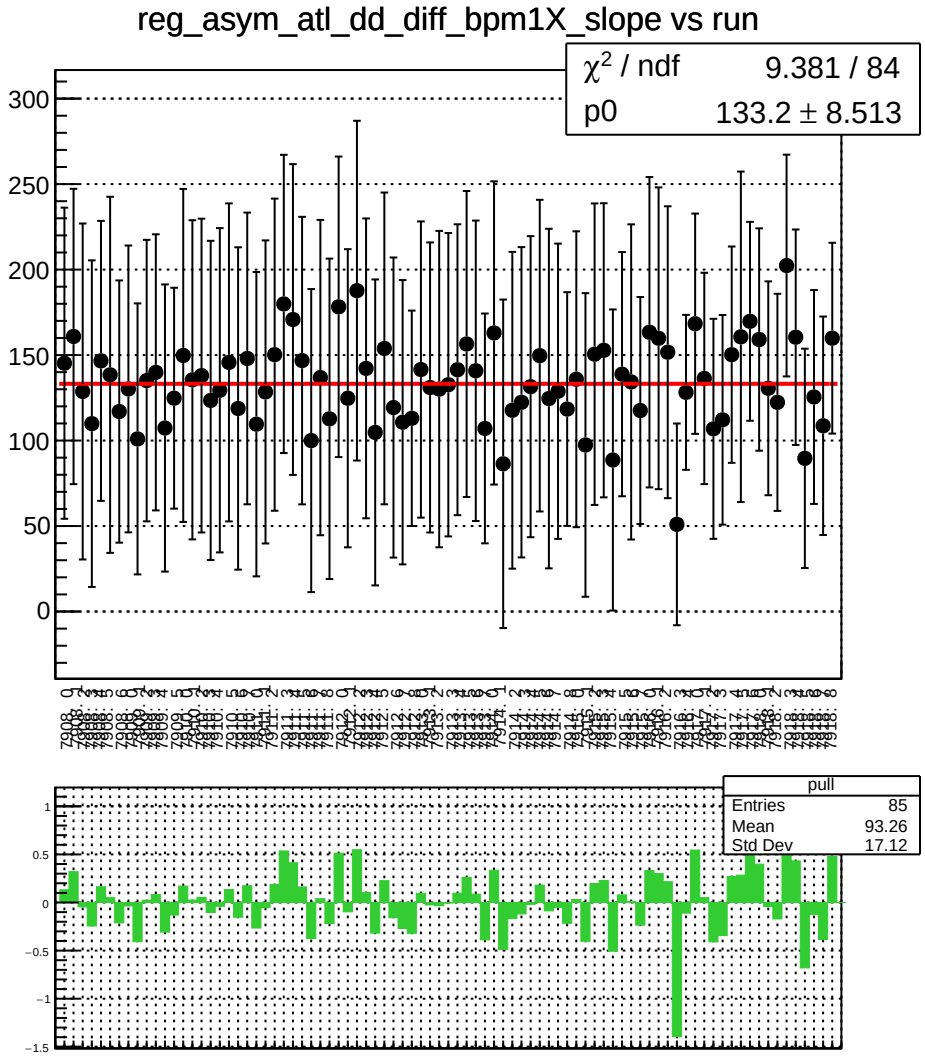

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 8.463 / 84
p0 111.3 ± 8.199
pull
Entries 85
Mean 66.96
Std Dev 62.29

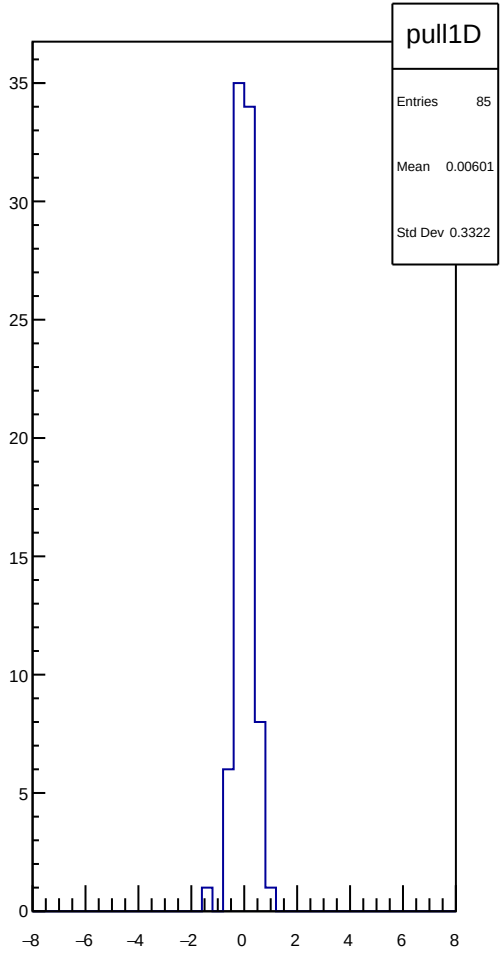

pull1D
Entries 85
Mean 0.01052
Std Dev 0.3154

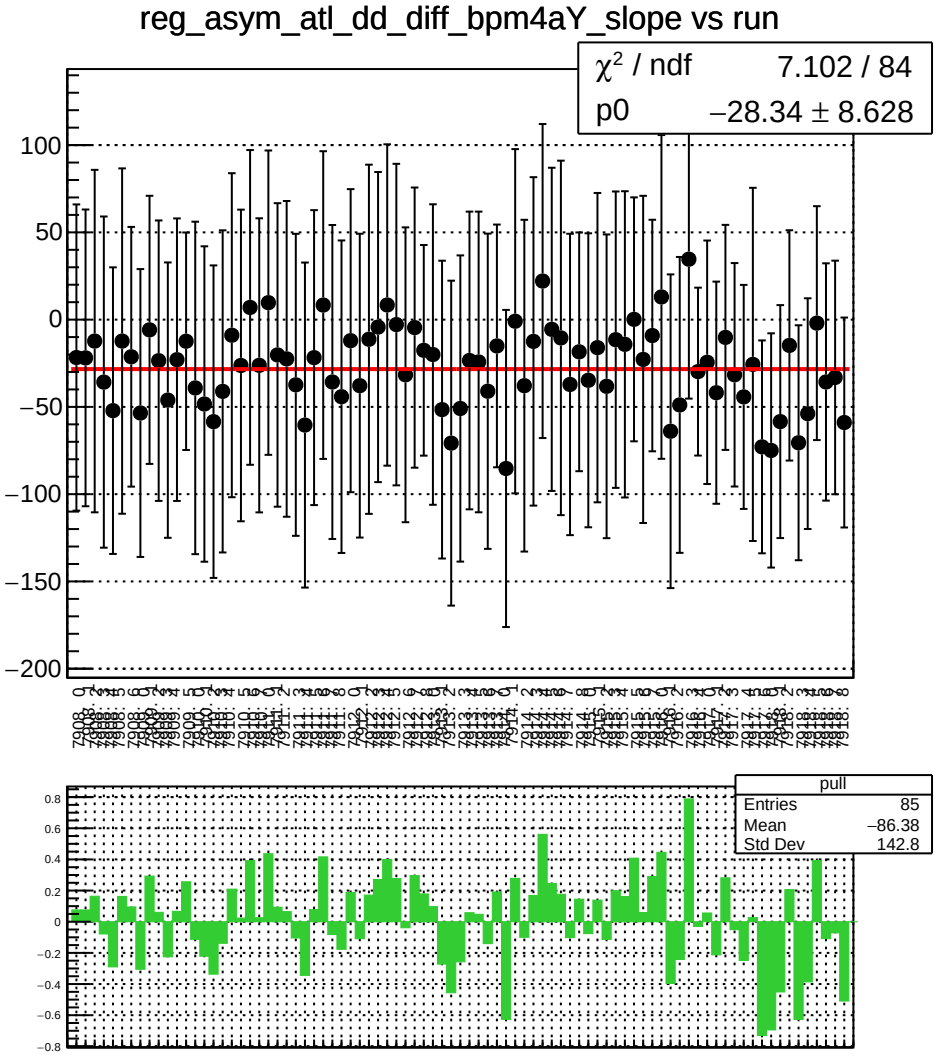

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.923 / 84
p0 6.71 ± 11.3
pull
Entries 85
Mean 429.6
Std Dev 402
pull1D
Entries 85
Mean −0.001419
Std Dev 0.264

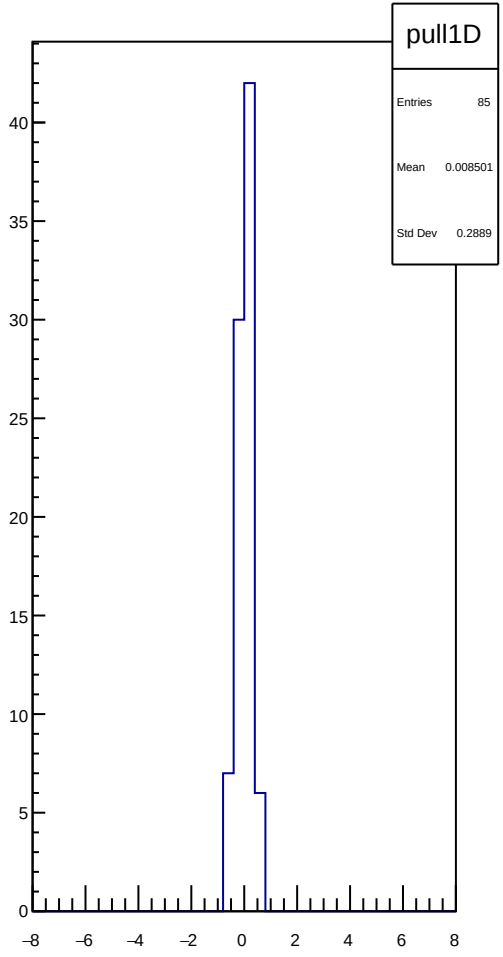

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 97.33 / 84
p0 −124.6 ± 0.3377
pull
Entries 85
Mean −15.85
Std Dev 70.45

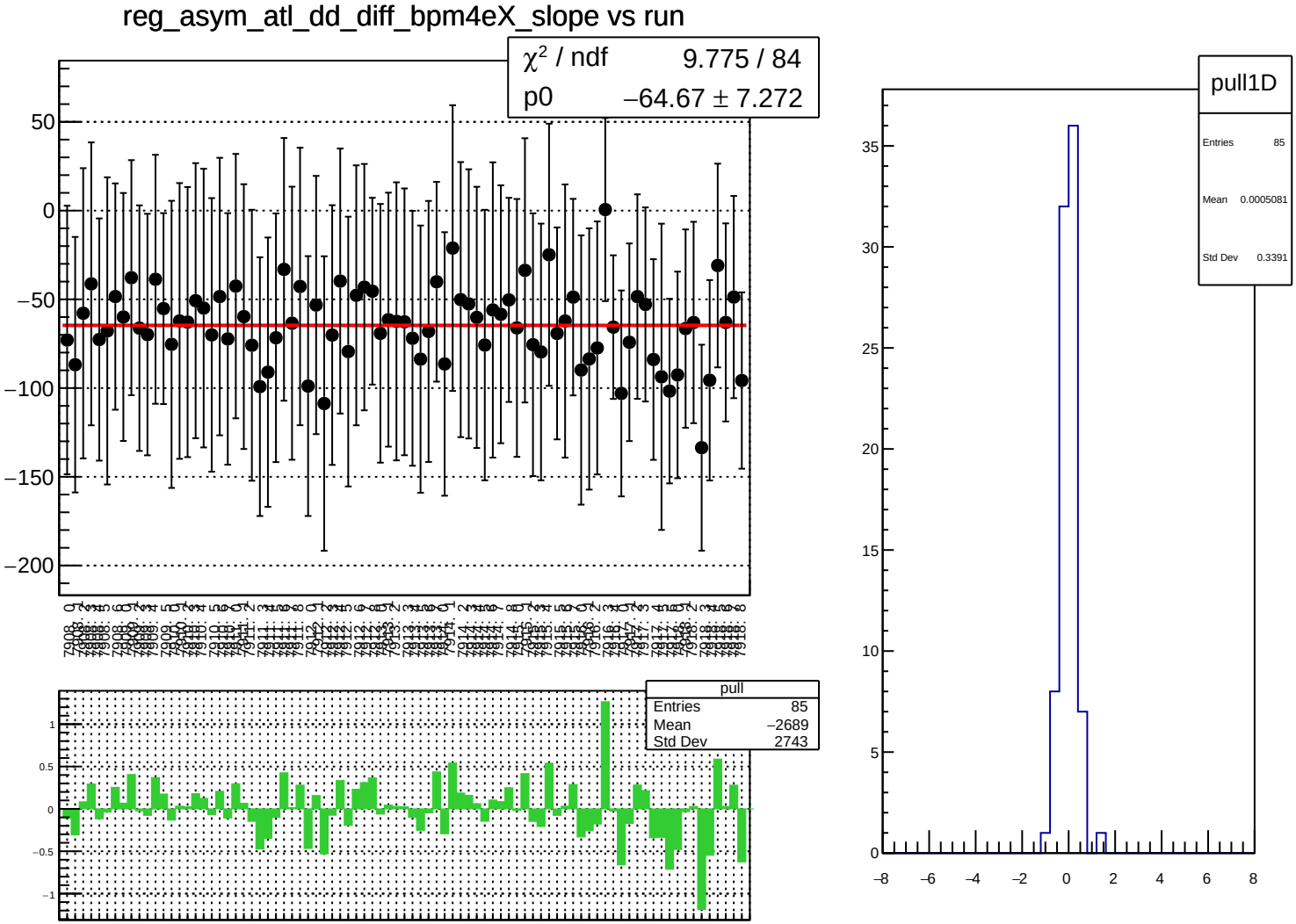

pull1D
Entries 85
Mean −0.07998
Std Dev 1.067

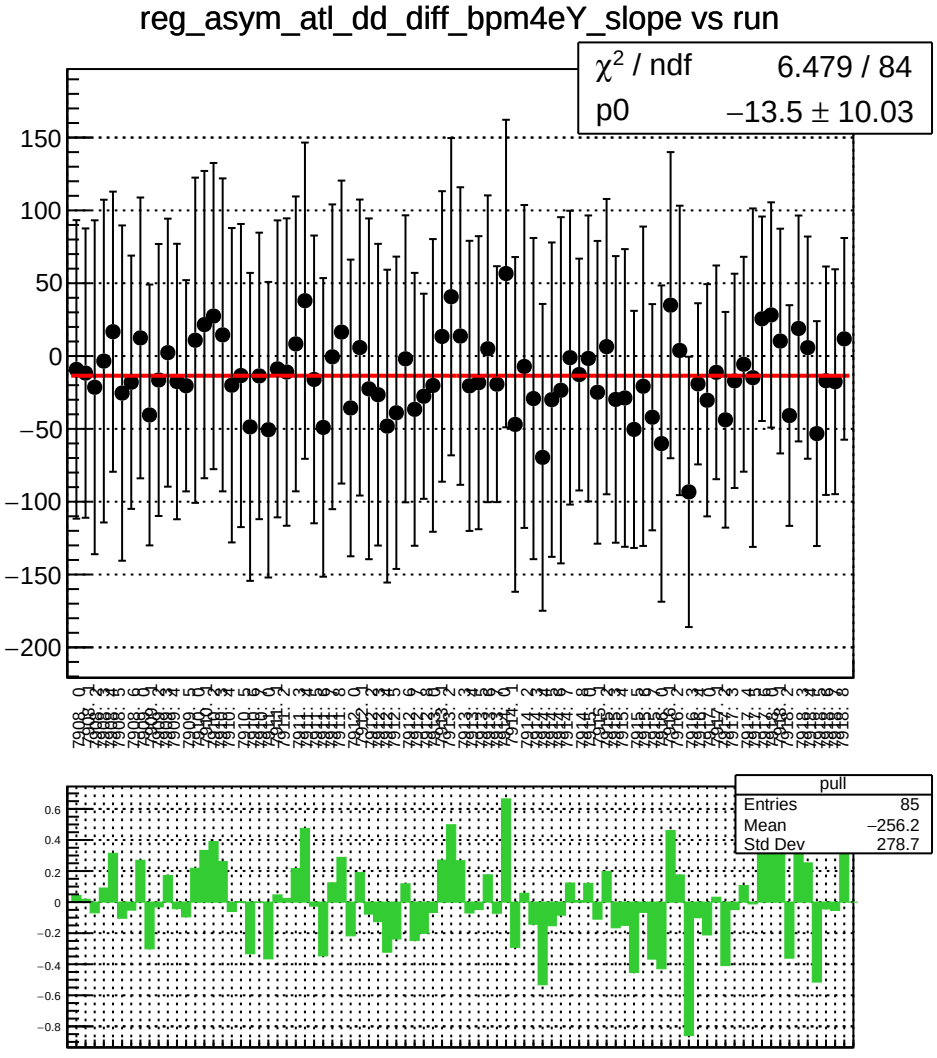

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.381 / 84
p0 133.2 ± 8.513
pull
Entries 85
Mean 93.26
Std Dev 17.12

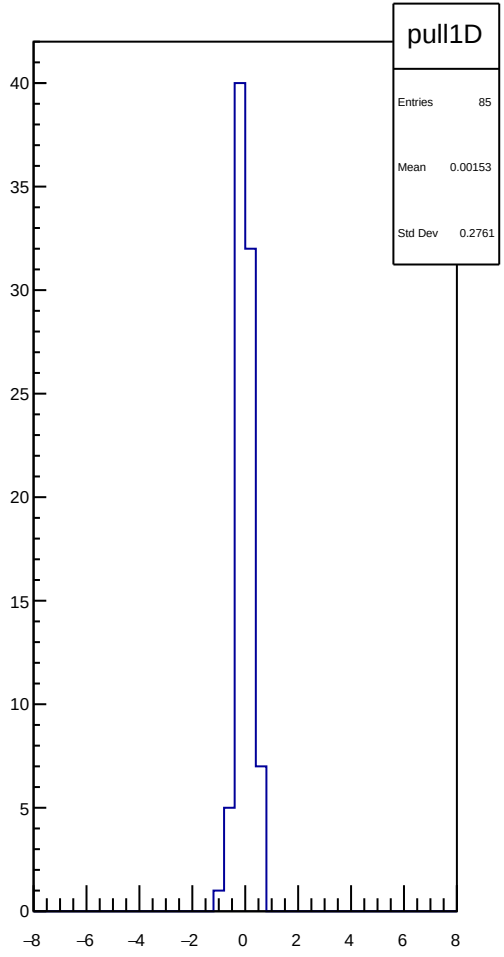

pull1D
Entries 85
Mean 0.00601
Std Dev 0.3322

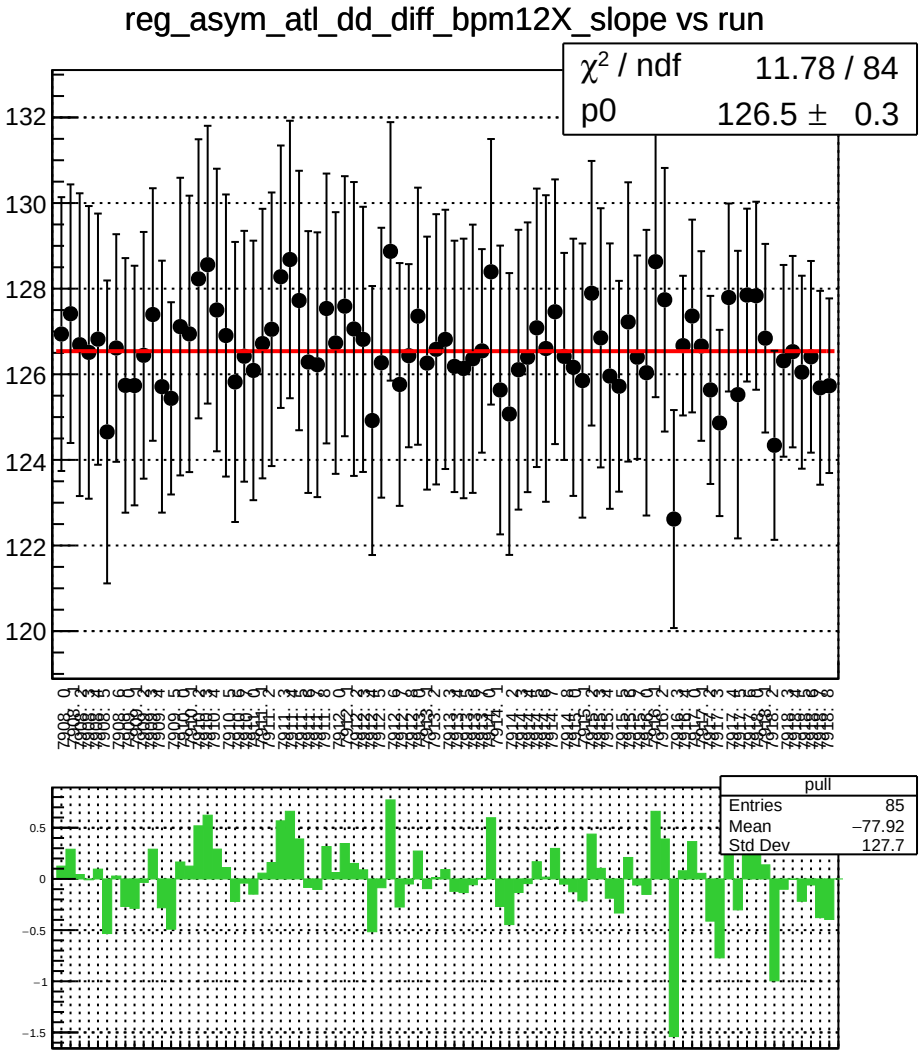

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.102 / 84
p0 −28.34 ± 8.628
pull
Entries 85
Mean −86.38
Std Dev 142.8

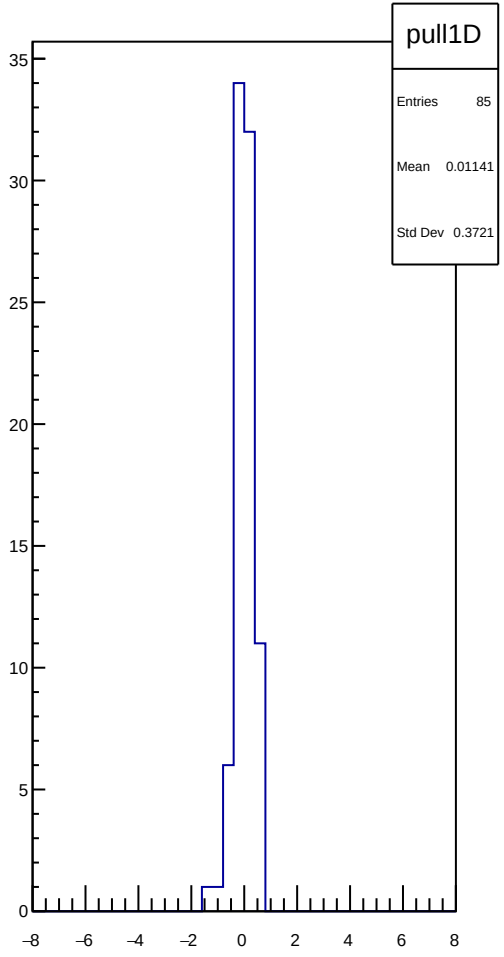

pull1D
Entries 85
Mean 0.008501
Std Dev 0.2889

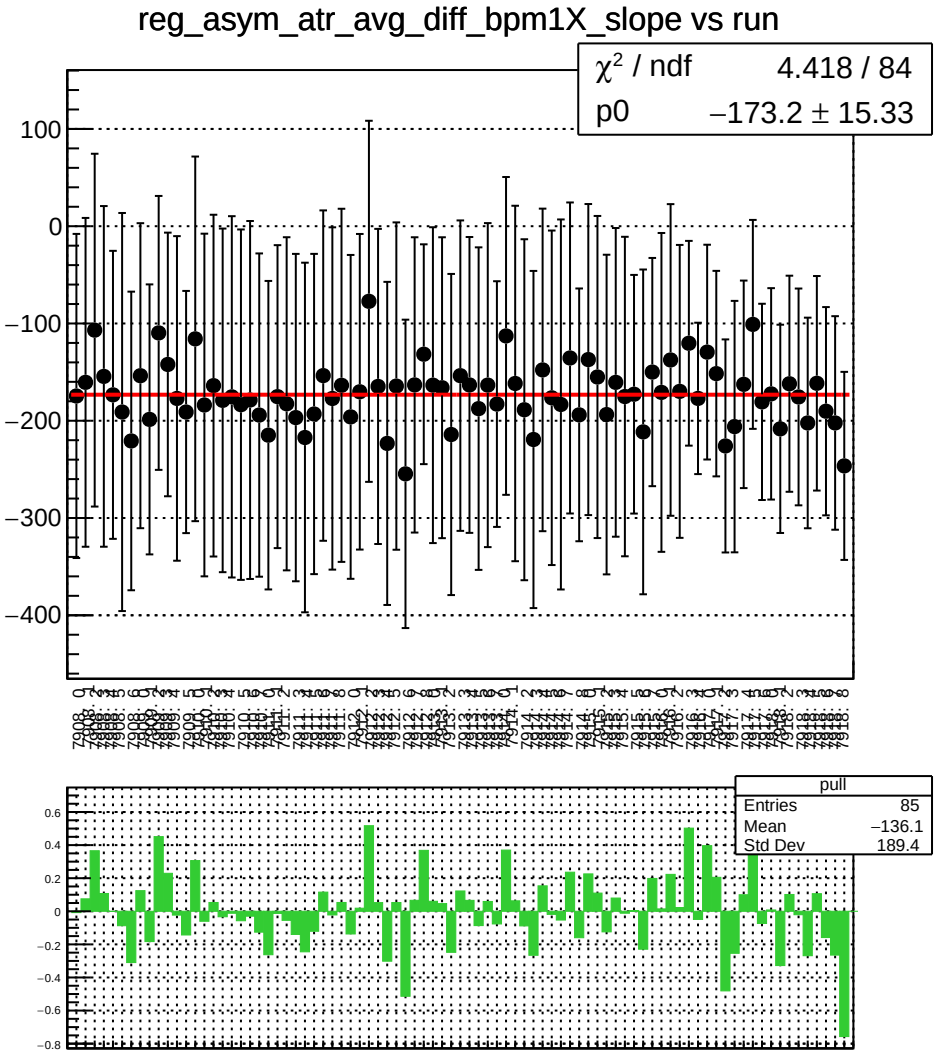

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.775 / 84
p0 −64.67 ± 7.272
pull
Entries 85
Mean −2689
Std Dev 2743
pull1D
Entries 85
Mean 0.0005081
Std Dev 0.3391

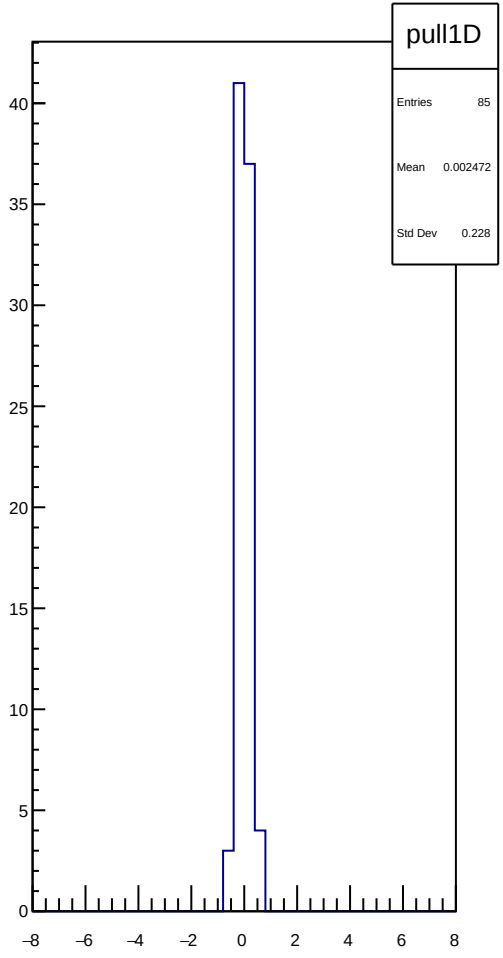

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.479 / 84
p0 –13.5 ± 10.03
pull
Entries 85
Mean –256.2
Std Dev 278.7

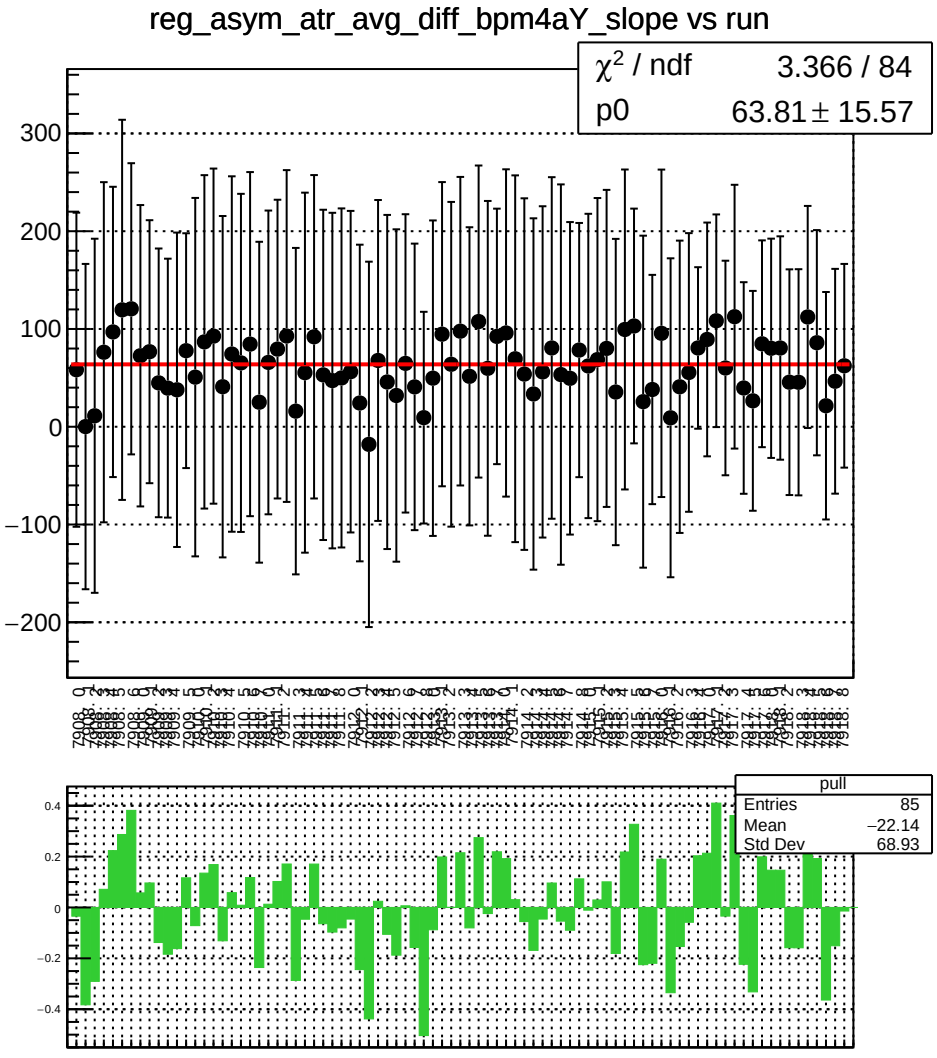

pull1D
Entries 85
Mean 0.00153
Std Dev 0.2761

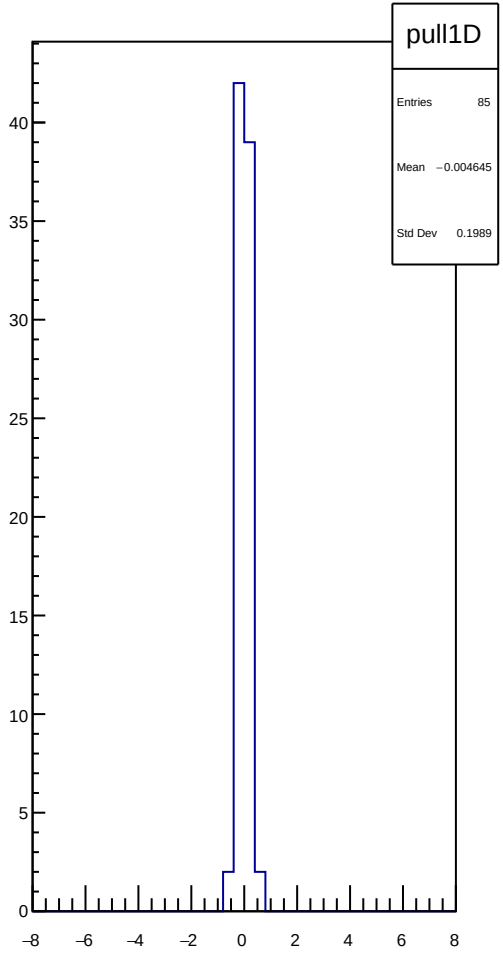

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.78 / 84
p0 126.5 ± 0.3
pull
Entries 85
Mean −77.92
Std Dev 127.7

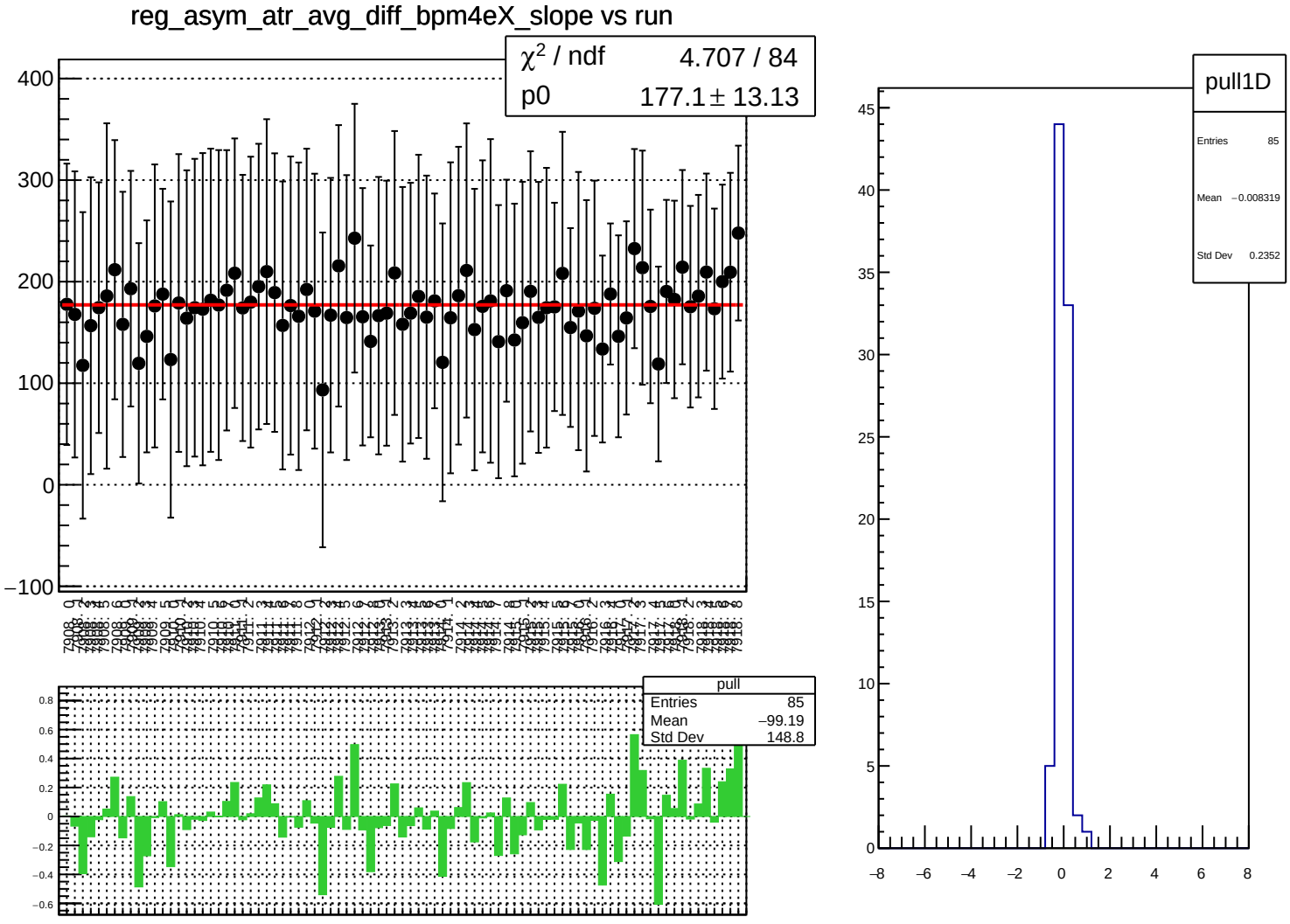

pull1D
Entries 85
Mean 0.01141
Std Dev 0.3721

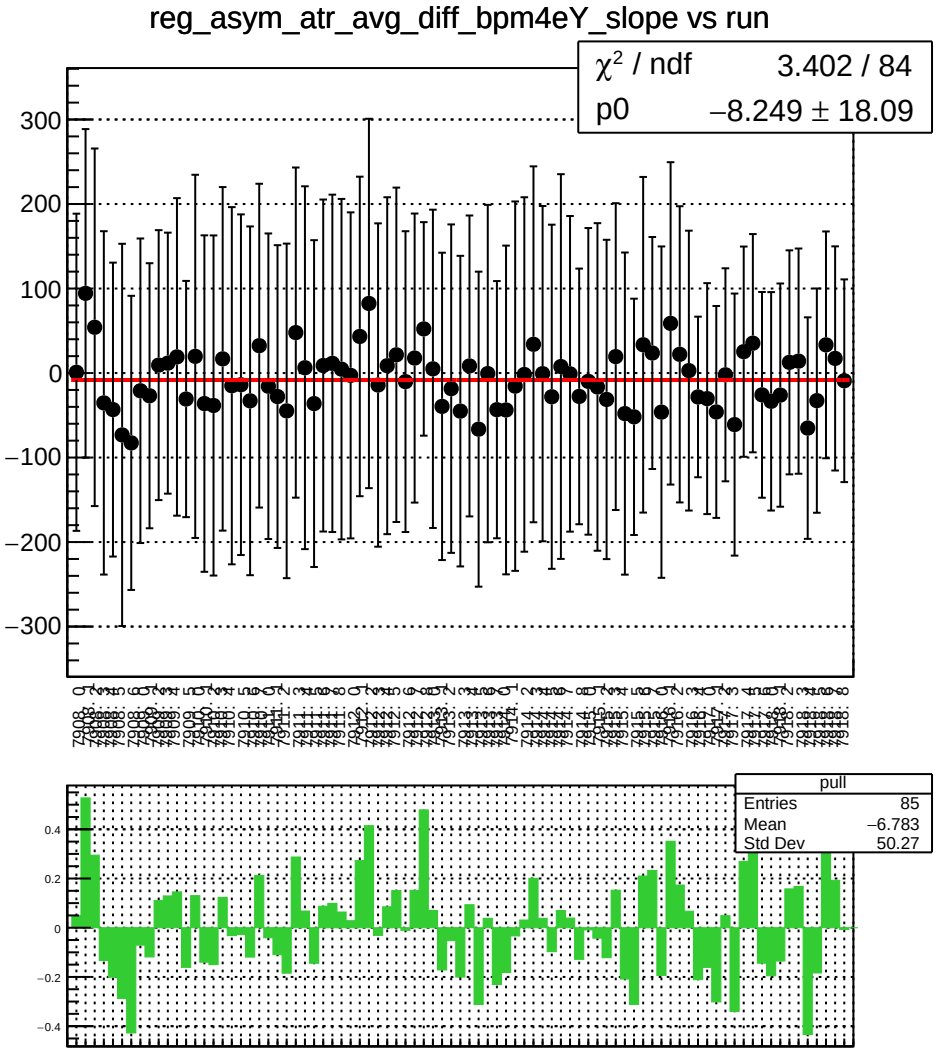

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 4.418 / 84
p0 −173.2 ± 15.33
pull
Entries 85
Mean −136.1
Std Dev 189.4

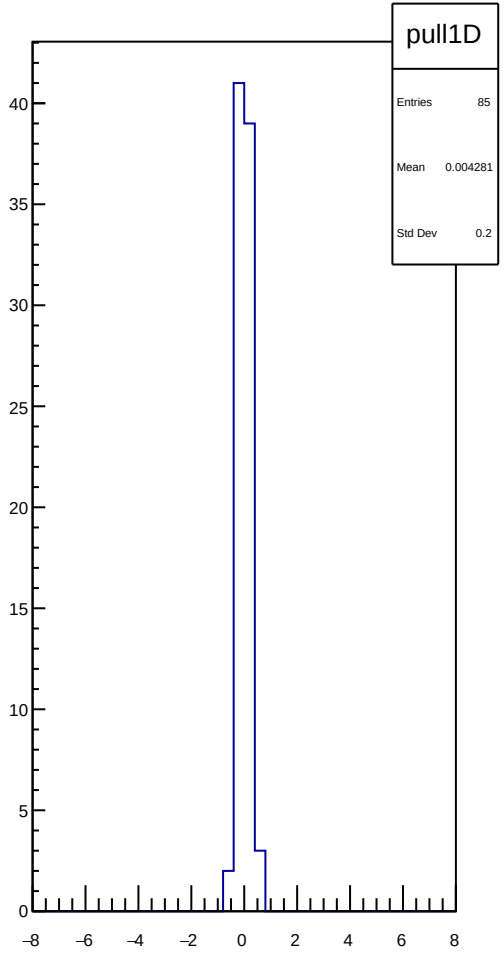

pull1D
Entries 85
Mean 0.002472
Std Dev 0.228

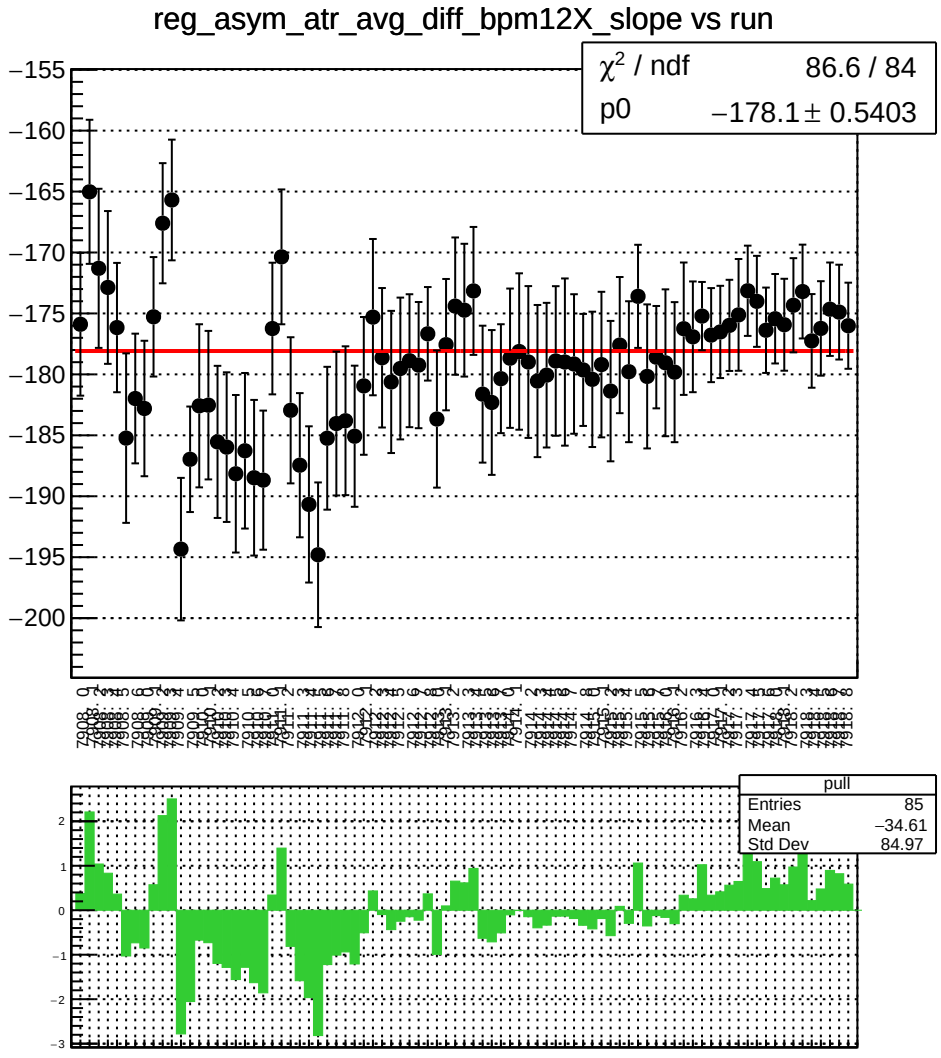

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.366 / 84
p0 63.81 ± 15.57
pull
Entries 85
Mean −22.14
Std Dev 68.93

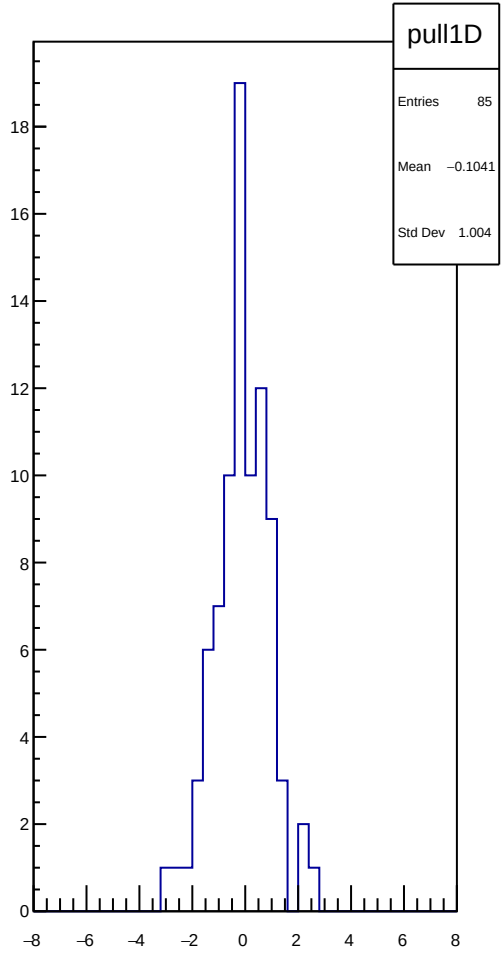

pull1D
Entries 85
Mean −0.004645
Std Dev 0.1989

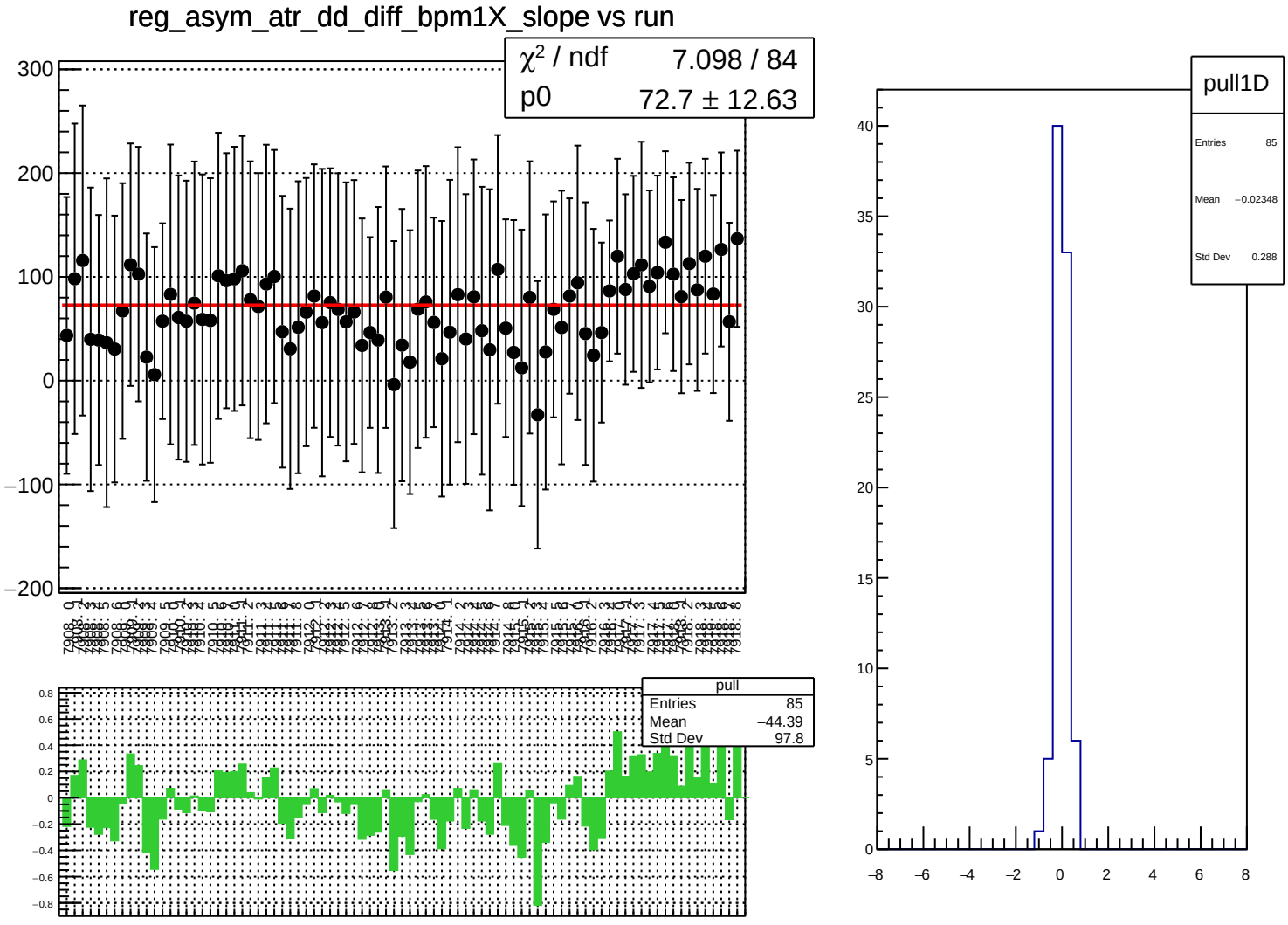

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 4.707 / 84
p0 177.1 ± 13.13
pull
Entries 85
Mean −99.19
Std Dev 148.8
pull1D
Entries 85
Mean −0.008319
Std Dev 0.2352

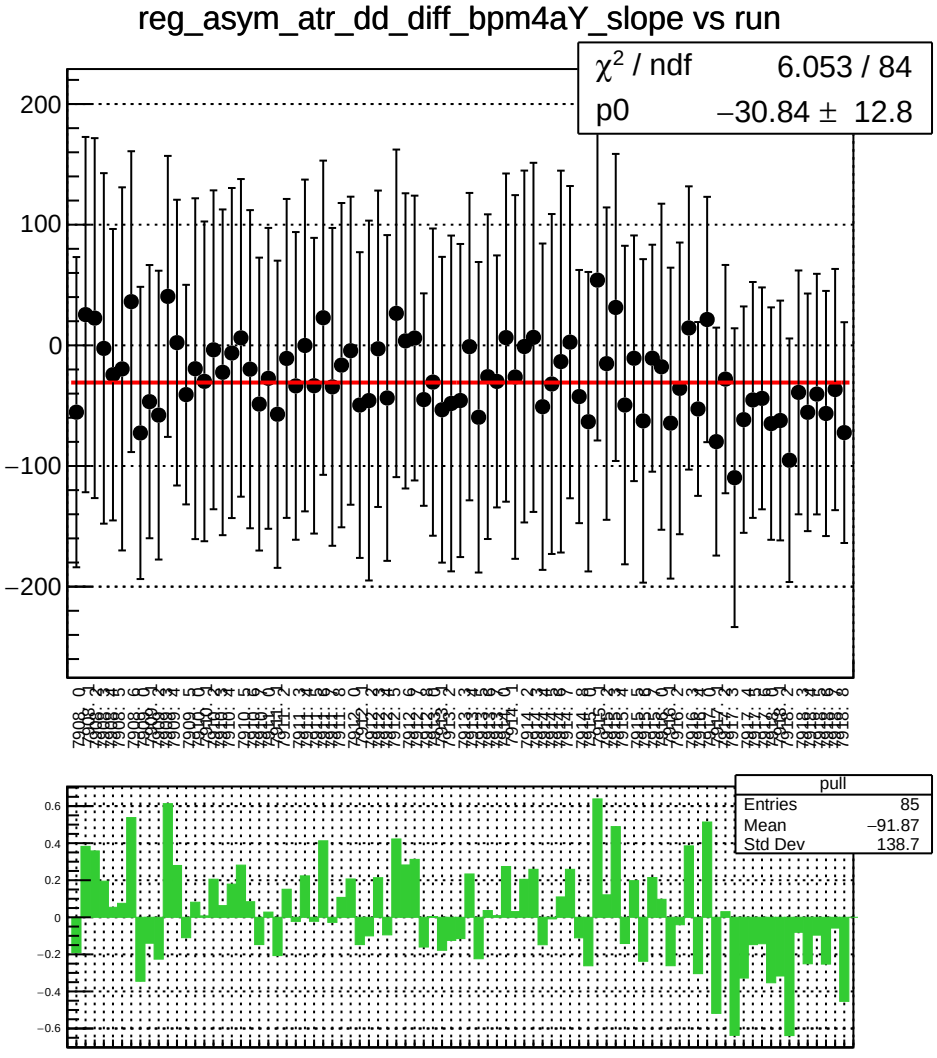

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.402 / 84
p0 −8.249 ± 18.09
pull
Entries 85
Mean −6.783
Std Dev 50.27

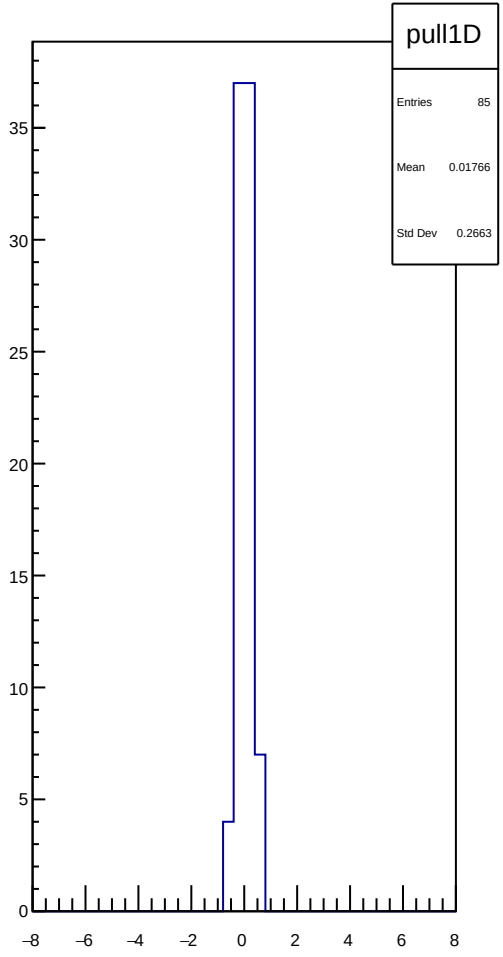

pull1D
Entries 85
Mean 0.004281
Std Dev 0.2

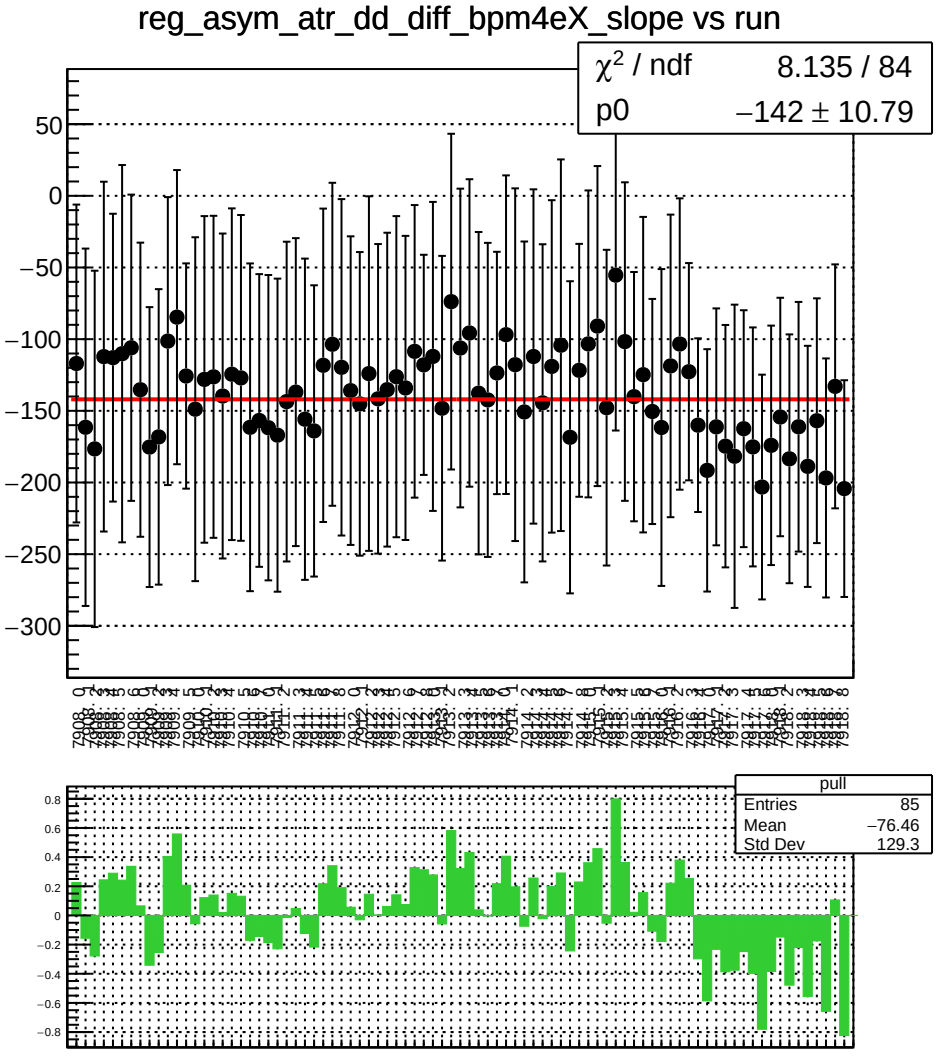

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 86.6 / 84
p0 −178.1 ± 0.5403
pull
Entries 85
Mean −34.61
Std Dev 84.97

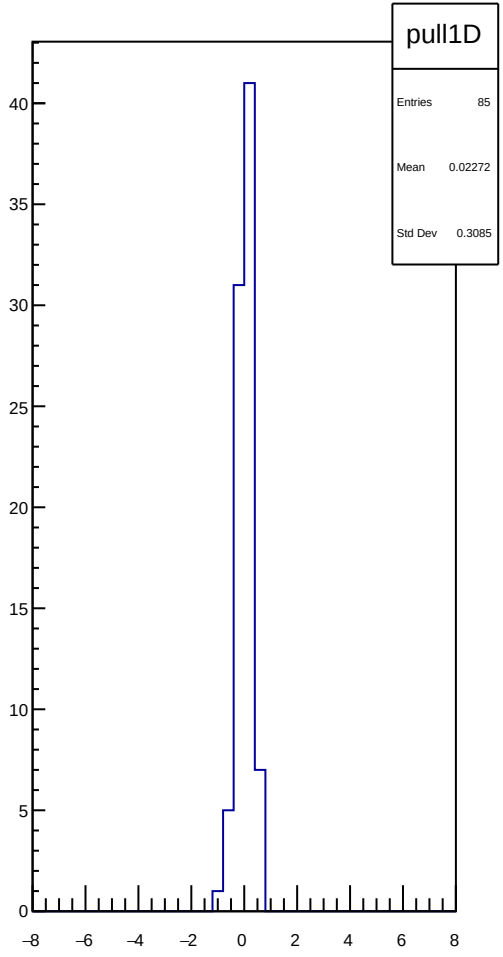

pull1D
Entries 85
Mean −0.1041
Std Dev 1.004

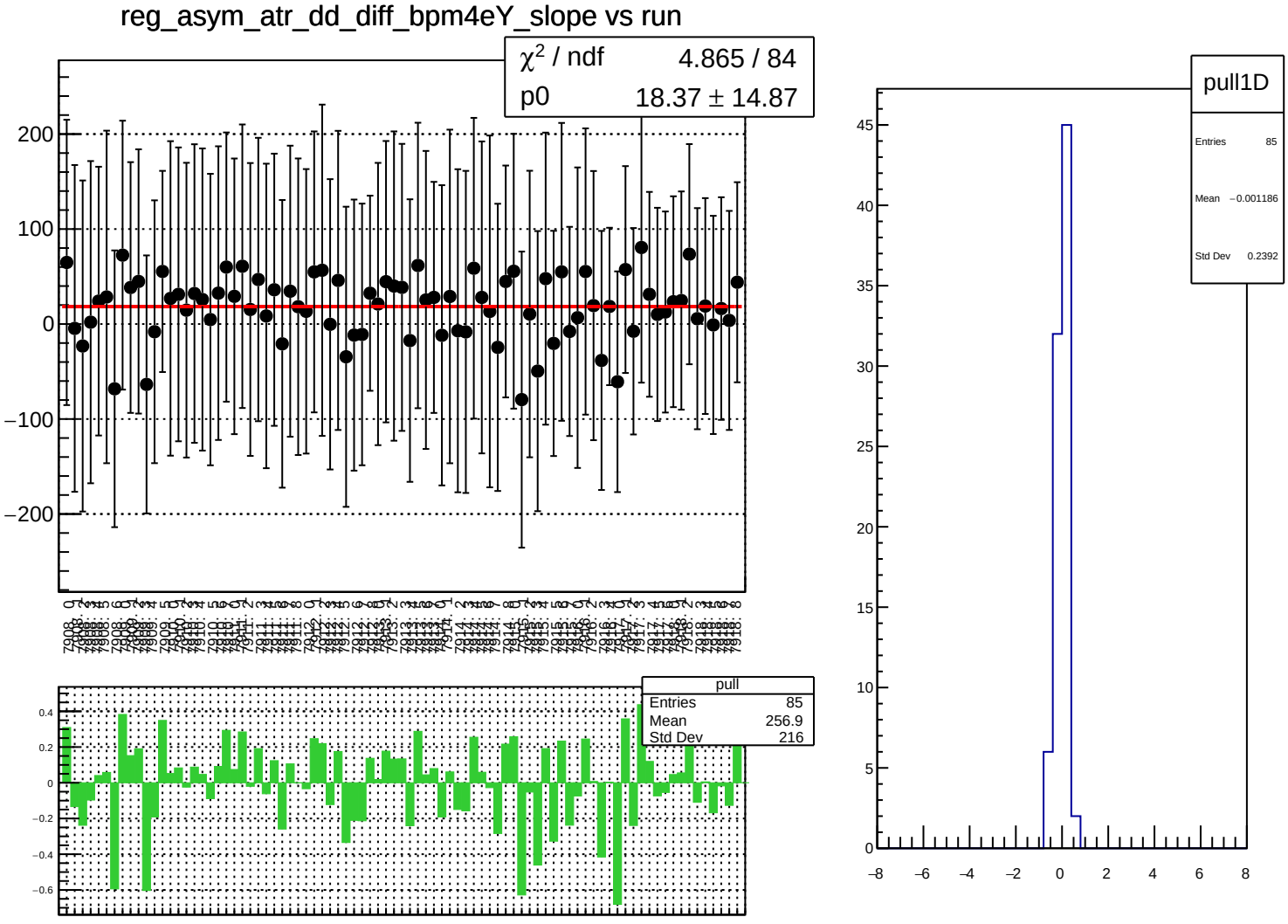

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 7.098 / 84
p0 72.7 ± 12.63
pull
Entries 85
Mean −44.39
Std Dev 97.8
pull1D
Entries 85
Mean −0.02348
Std Dev 0.288

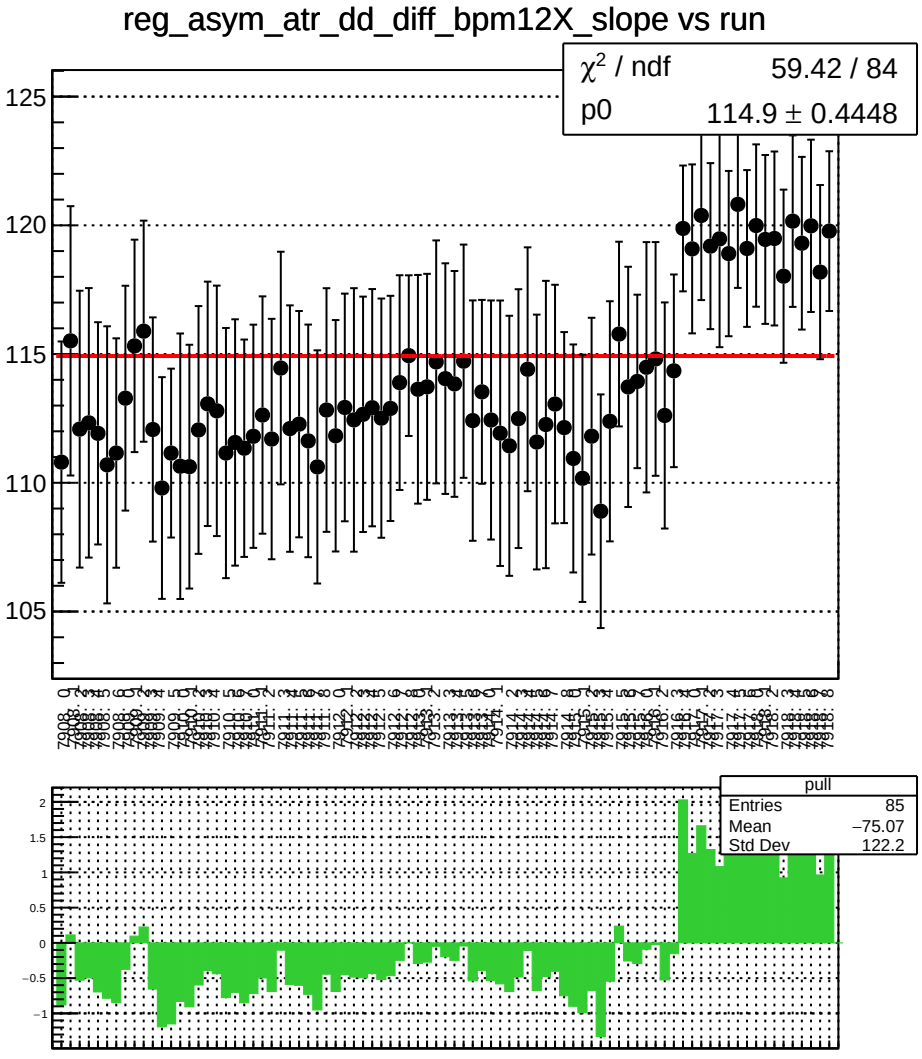

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.053 / 84
p0 −30.84 ± 12.8
pull
Entries 85
Mean −91.87
Std Dev 138.7

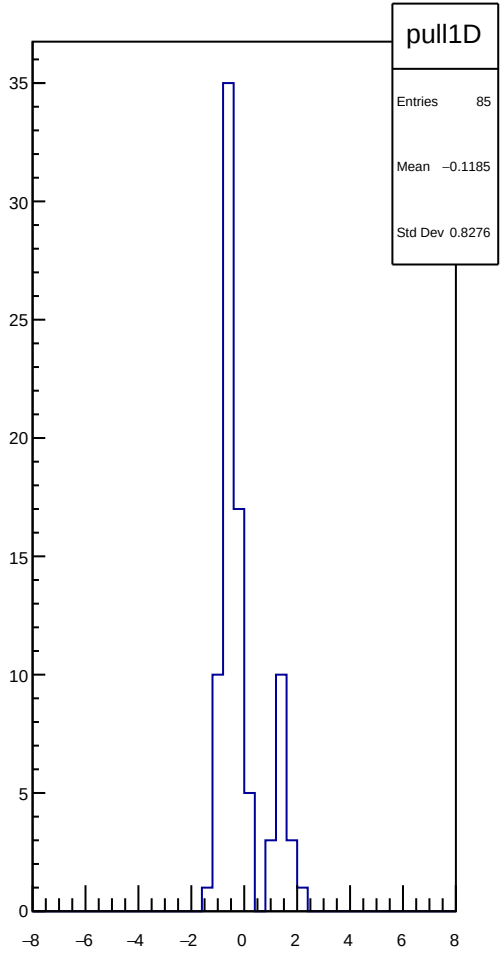

pull1D
Entries 85
Mean 0.01766
Std Dev 0.2663

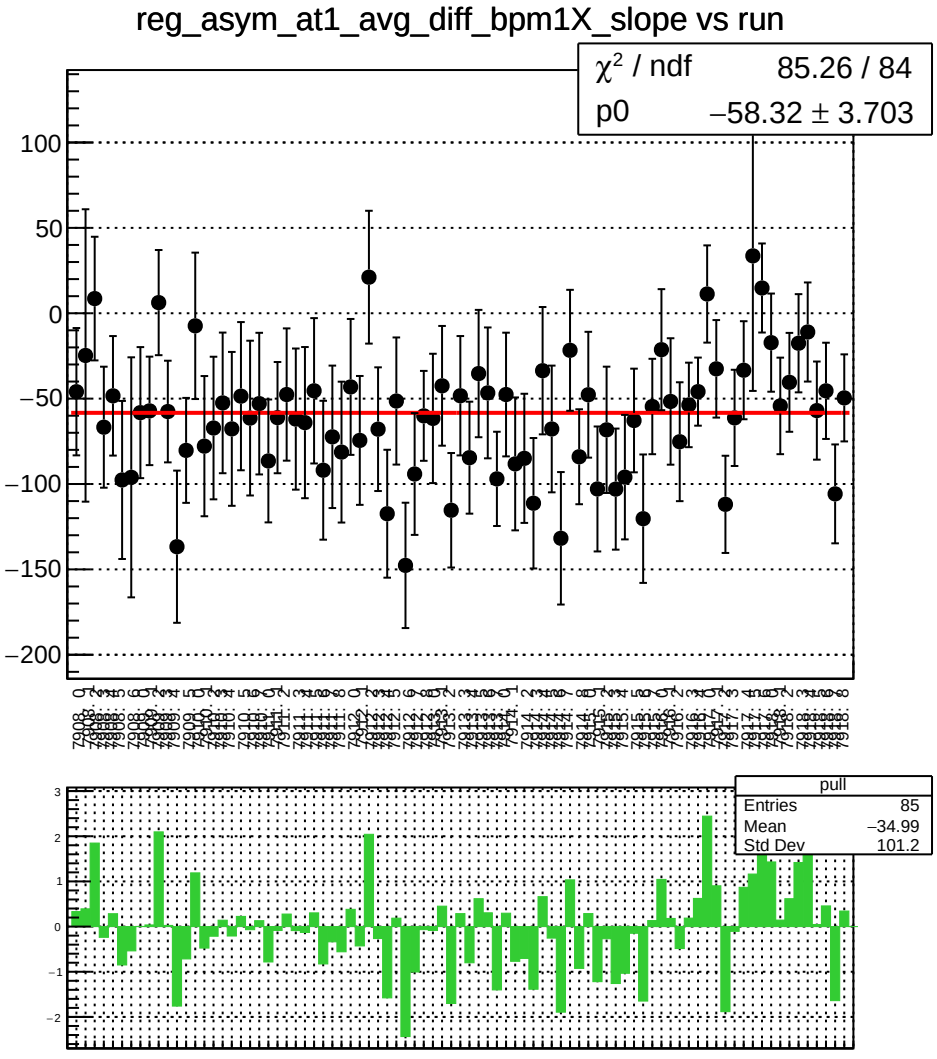

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 8.135 / 84
p0 −142 ± 10.79
pull
Entries 85
Mean −76.46
Std Dev 129.3

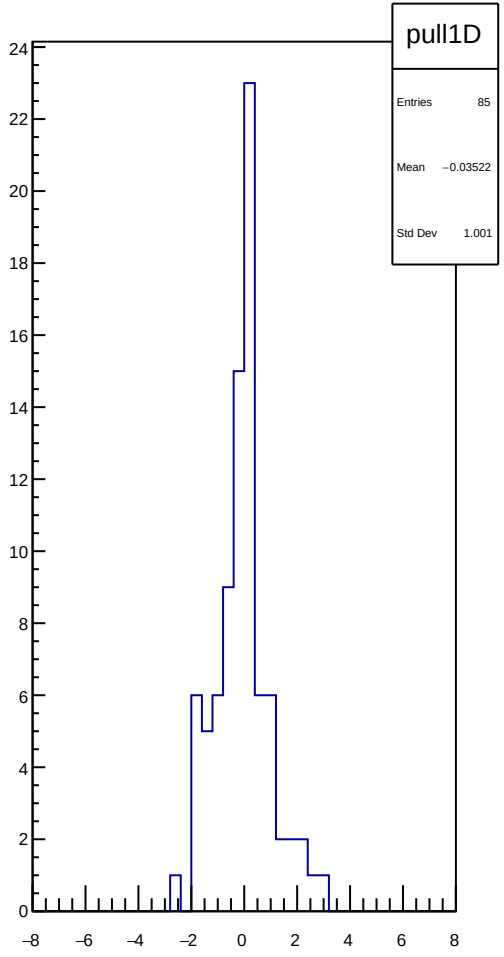

pull1D
Entries 85
Mean 0.02272
Std Dev 0.3085

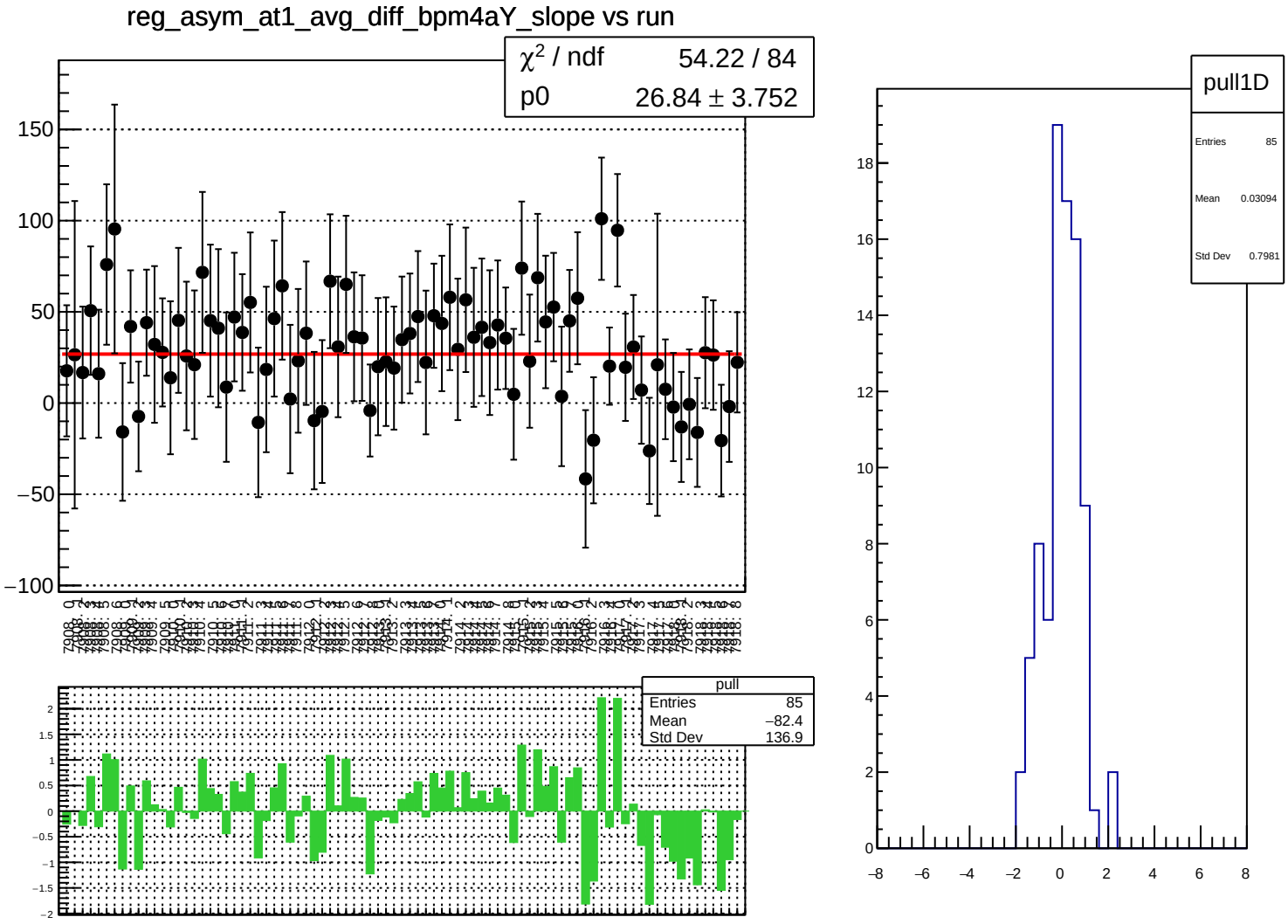

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.865 / 84
p0 18.37 ± 14.87
pull
Entries 85
Mean 256.9
Std Dev 216
pull1D
Entries 85
Mean −0.001186
Std Dev 0.2392

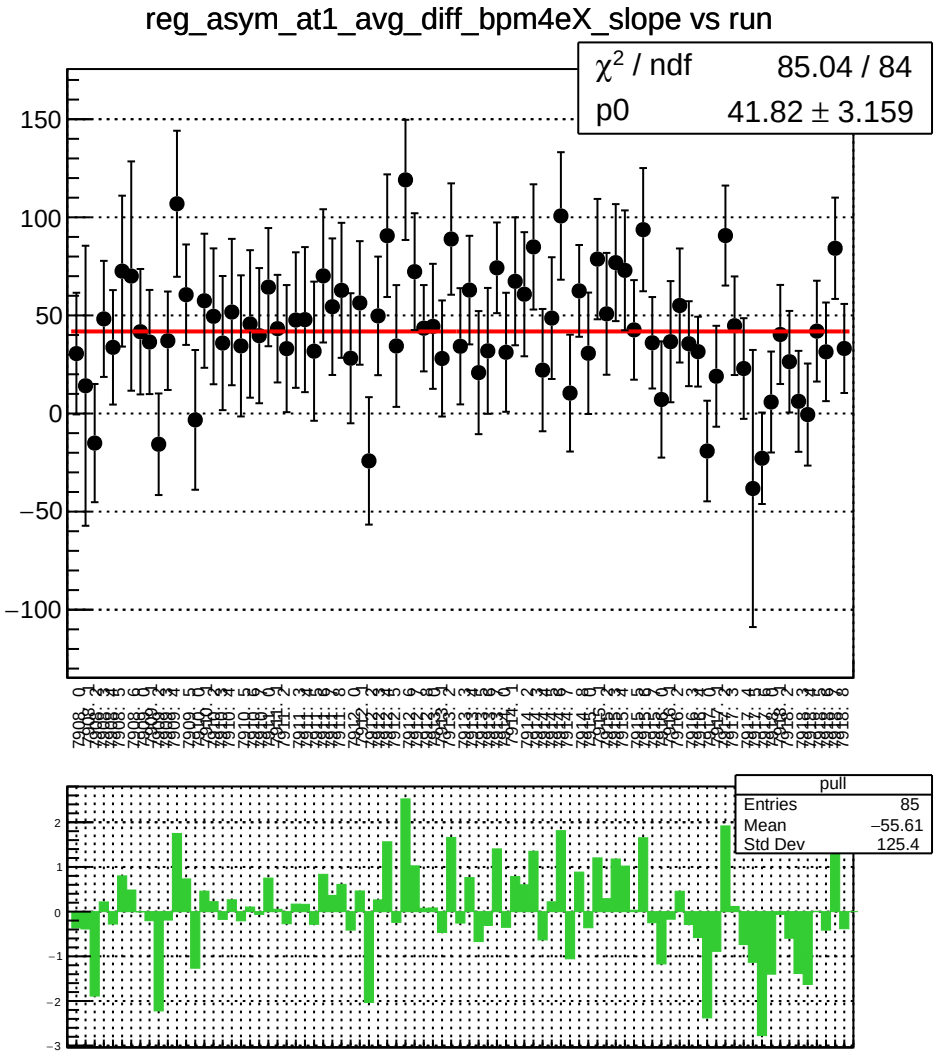

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 59.42 / 84
p0 114.9 ± 0.4448
125
120
115
110
105
pull
Entries 85
Mean −75.07
Std Dev 122.2
2
1.5
1
0.5
0
−0.5
−1

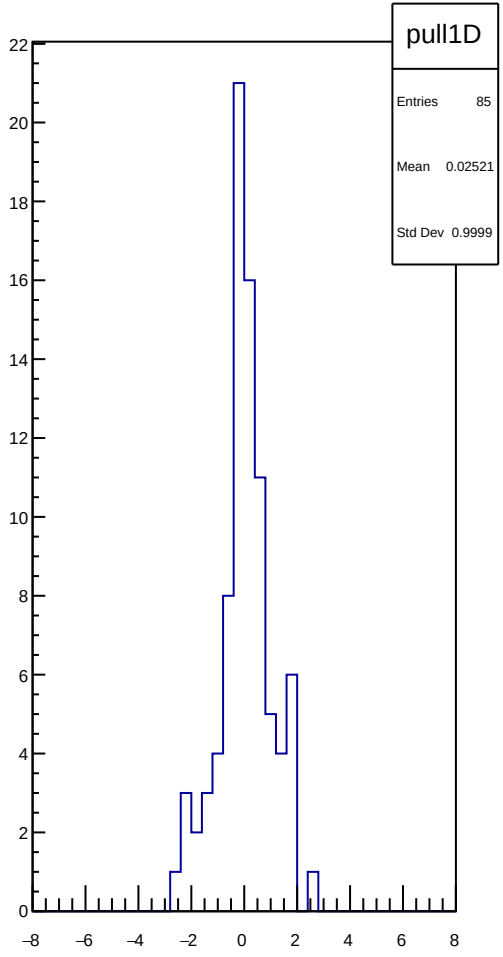

pull1D
Entries 85
Mean −0.1185
Std Dev 0.8276
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

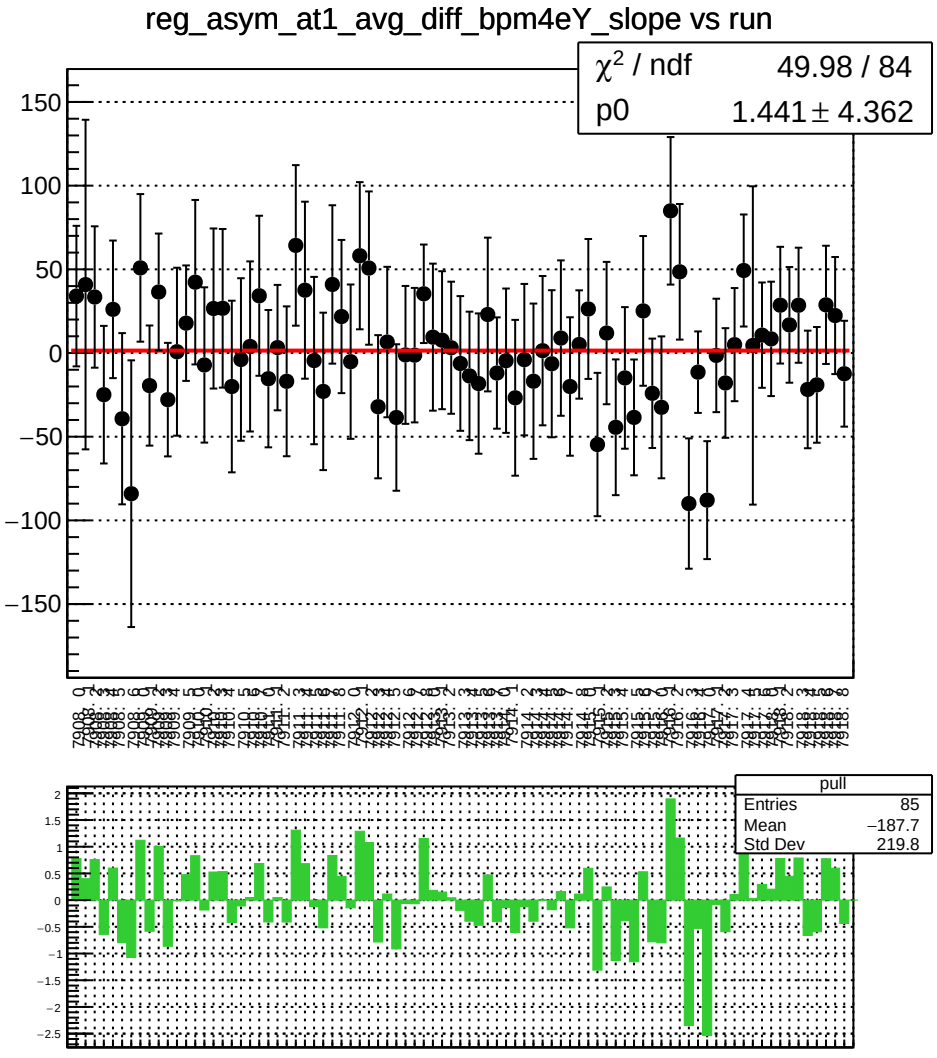

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 85.26 / 84
p0 −58.32 ± 3.703
pull
Entries 85
Mean −34.99
Std Dev 101.2

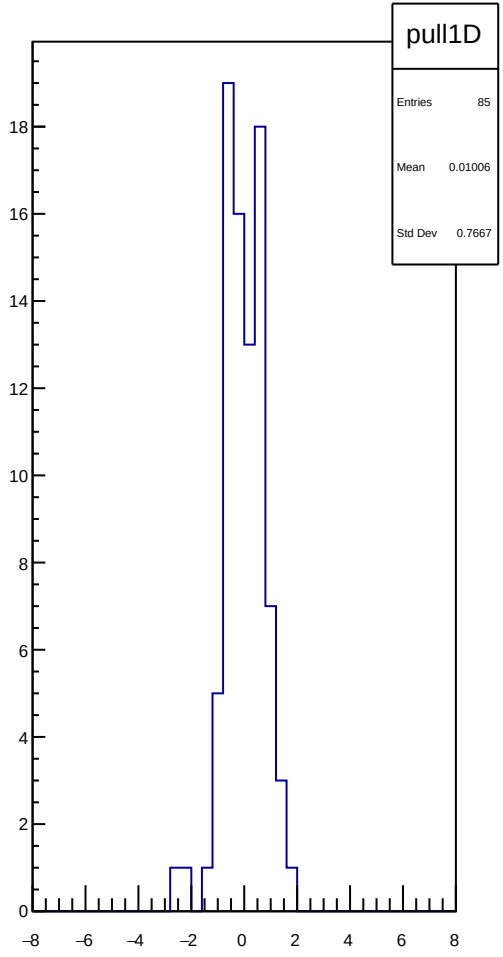

pull1D
Entries 85
Mean −0.03522
Std Dev 1.001

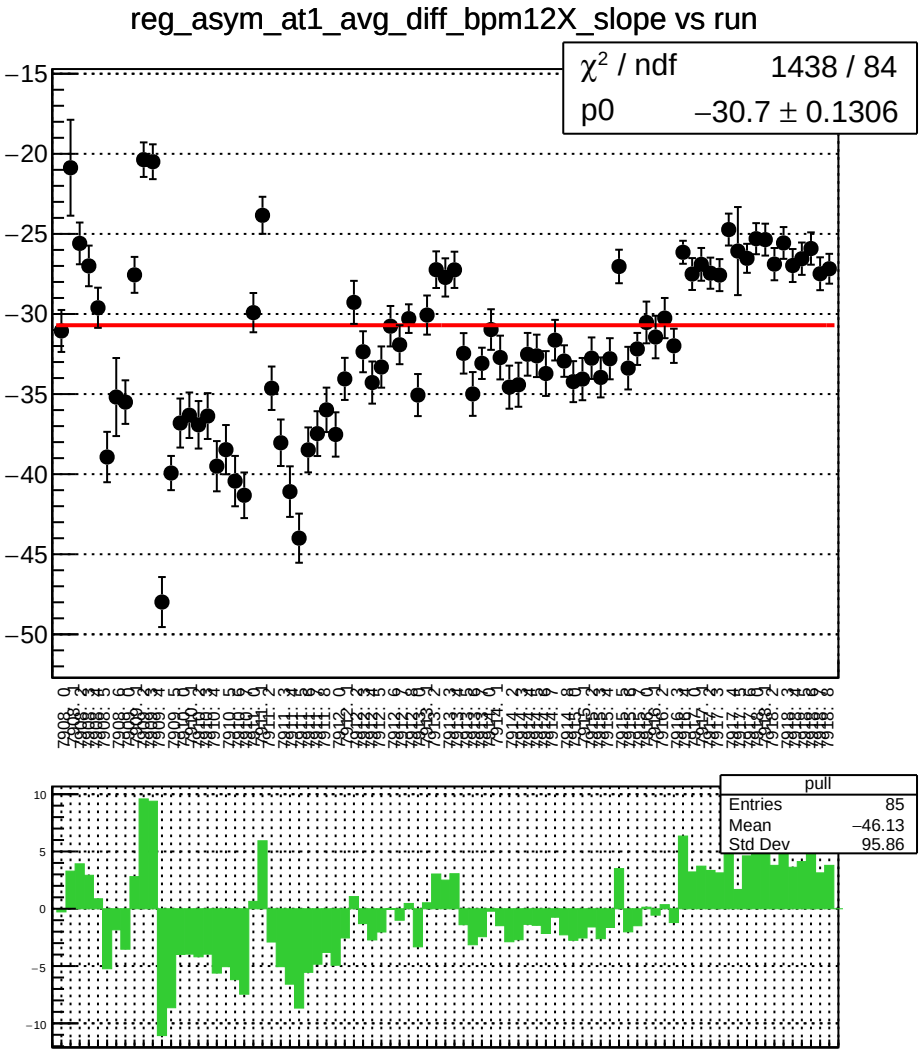

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.22 / 84
p0 26.84 ± 3.752
pull
Entries 85
Mean −82.4
Std Dev 136.9
pull1D
Entries 85
Mean 0.03094
Std Dev 0.7981

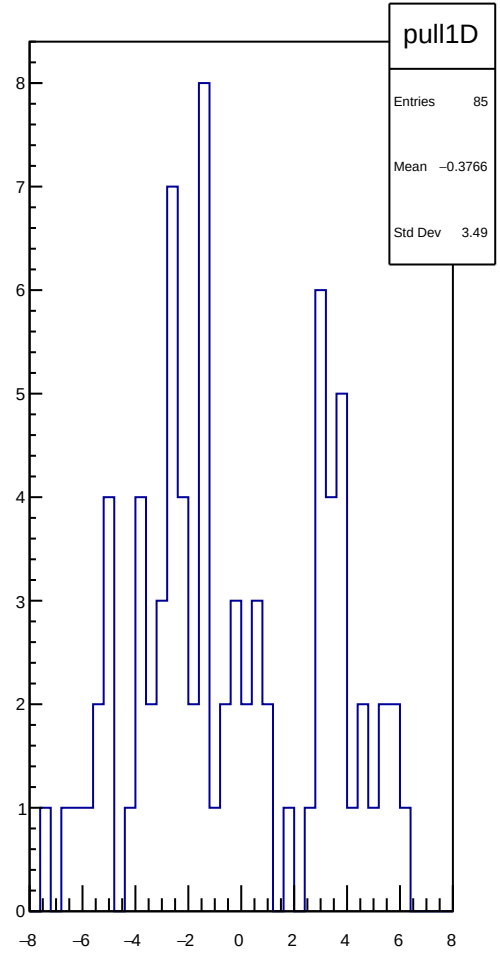

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 85.04 / 84
p0 41.82 ± 3.159
pull
Entries 85
Mean −55.61
Std Dev 125.4

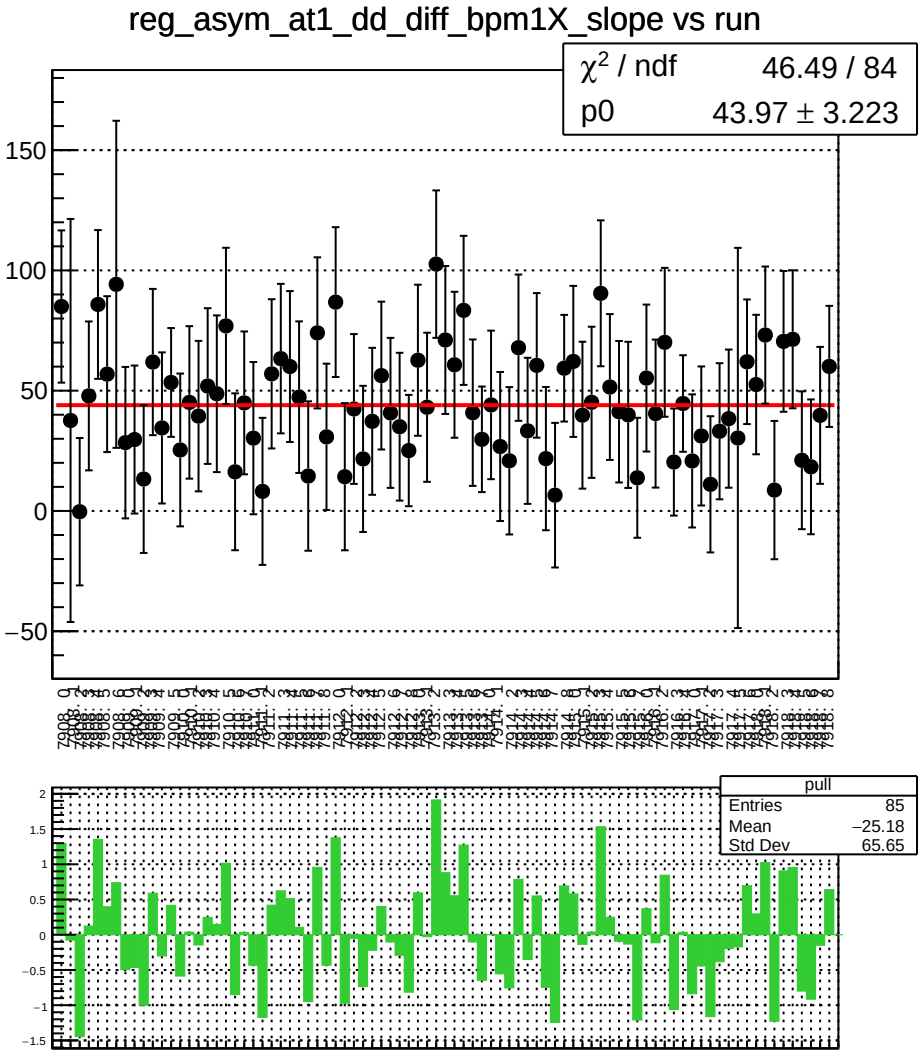

pull1D
Entries 85
Mean 0.02521
Std Dev 0.9999

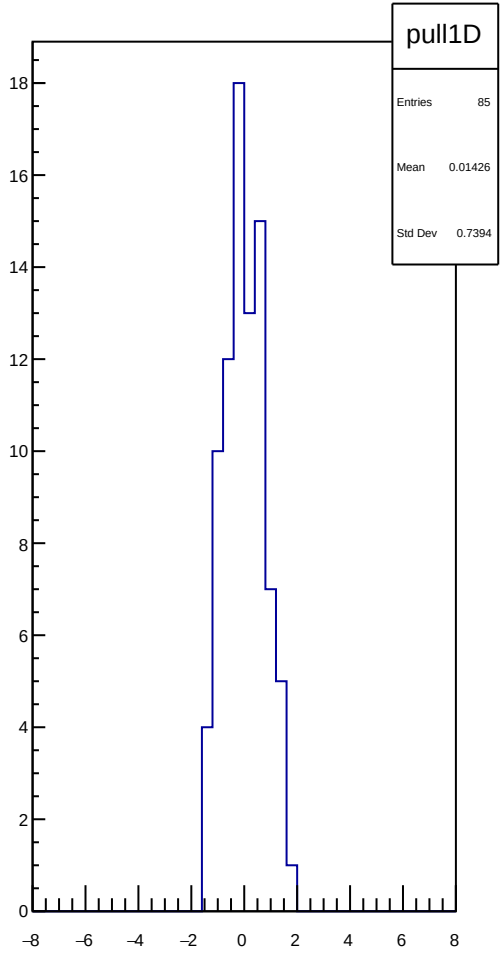

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.98 / 84
p0 1.441 ± 4.362
pull
Entries 85
Mean −187.7
Std Dev 219.8

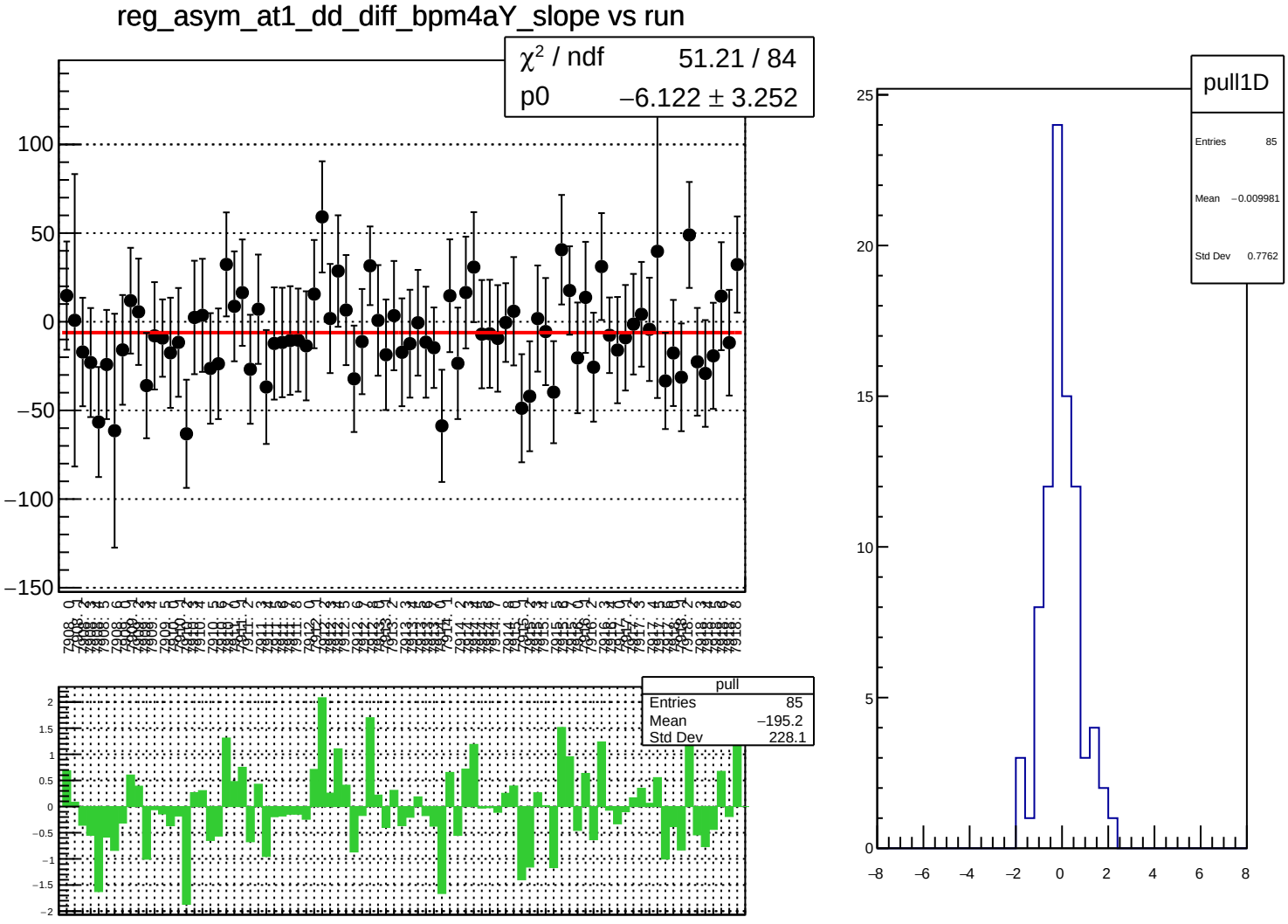

pull1D
Entries 85
Mean 0.01006
Std Dev 0.7667

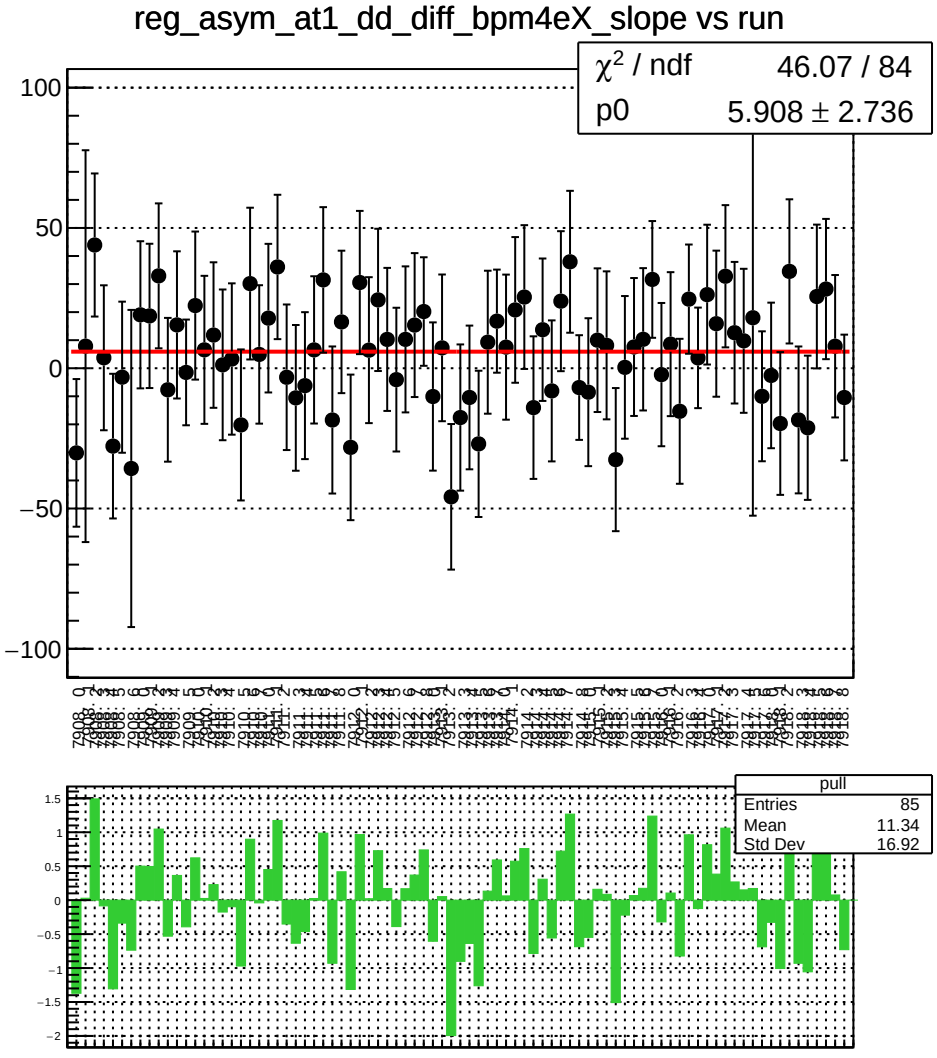

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 1438 / 84
p0 −30.7 ± 0.1306
pull
Entries 85
Mean −46.13
Std Dev 95.86

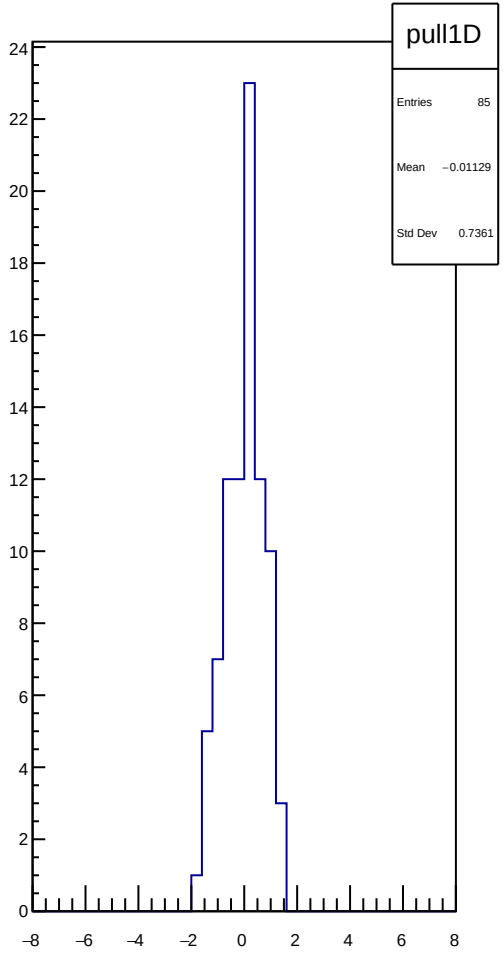

pull1D
Entries 85
Mean −0.3766
Std Dev 3.49

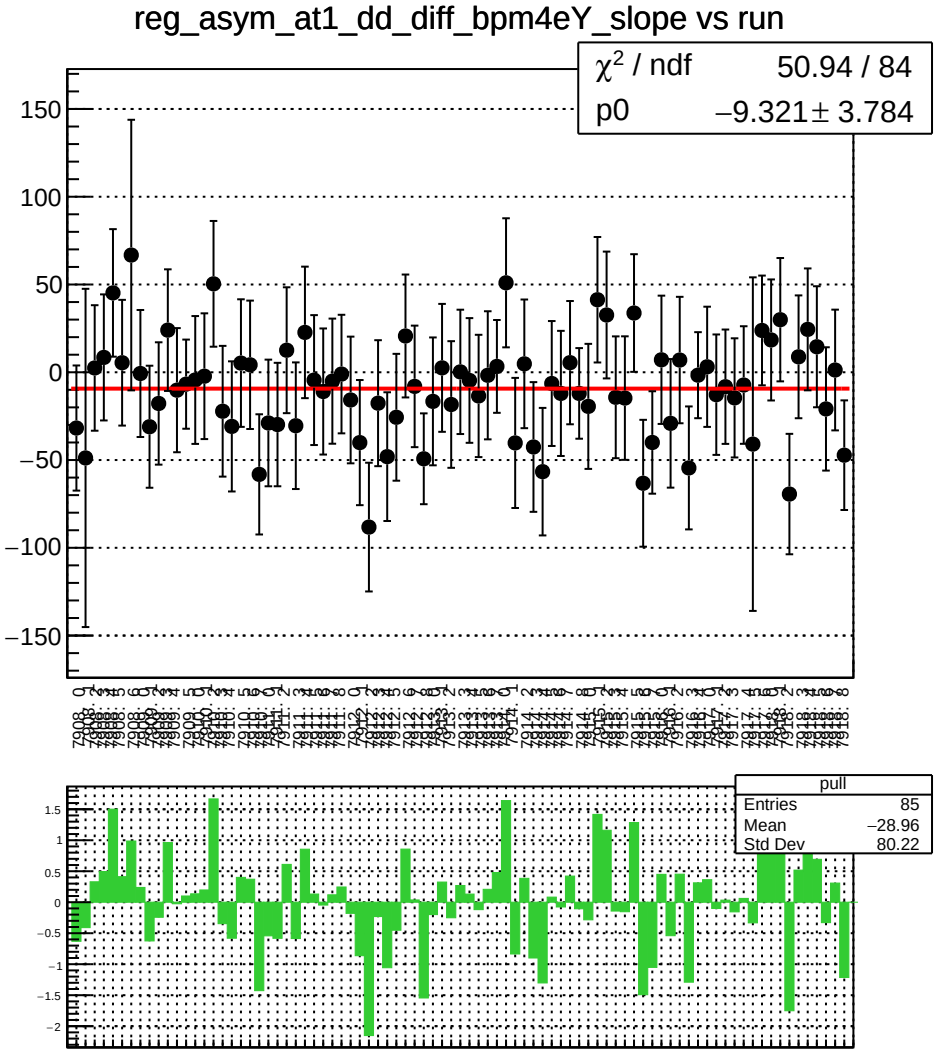

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 46.49 / 84
p0 43.97 ± 3.223
150
100
50
0
−50
pull
Entries 85
Mean −25.18
Std Dev 65.65
2
1.5
1
0.5
0
−0.5
−1
−1.5

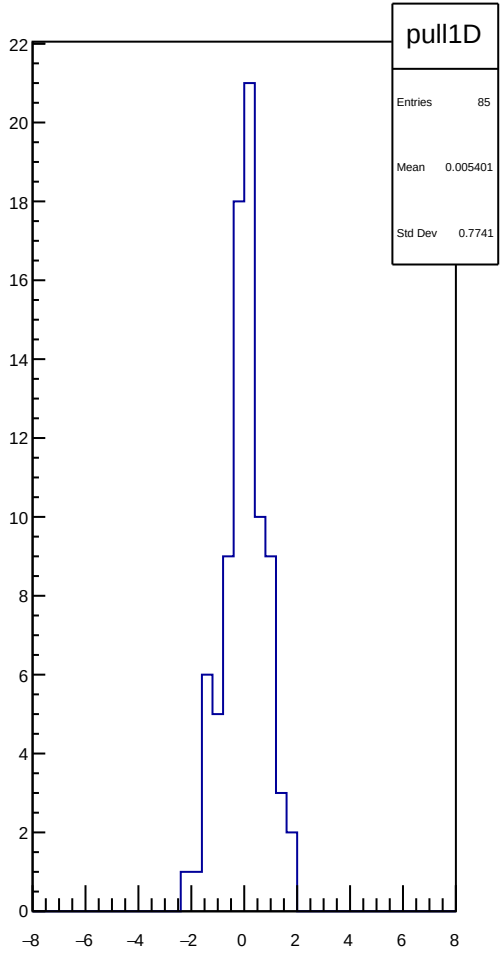

pull1D
Entries 85
Mean 0.01426
Std Dev 0.7394
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

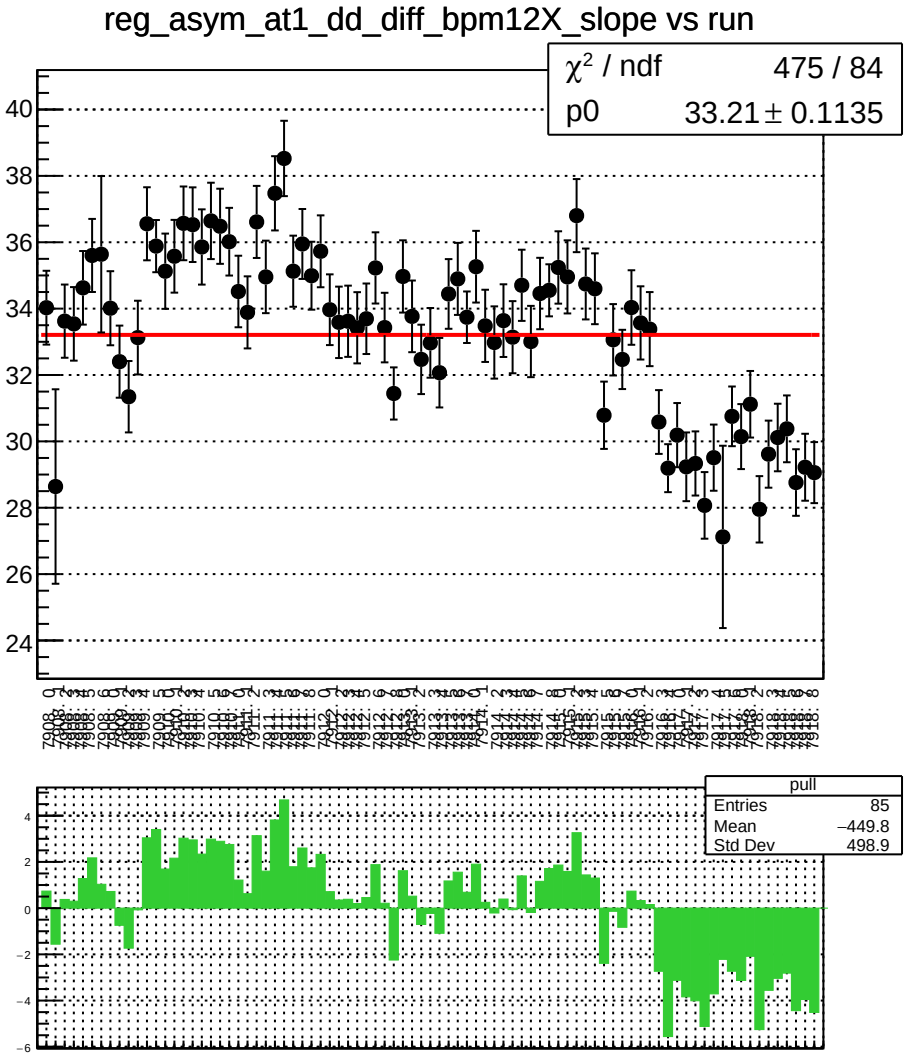

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.21 / 84
p0 −6.122 ± 3.252
pull
Entries 85
Mean −195.2
Std Dev 228.1
pull1D
Entries 85
Mean −0.009981
Std Dev 0.7762

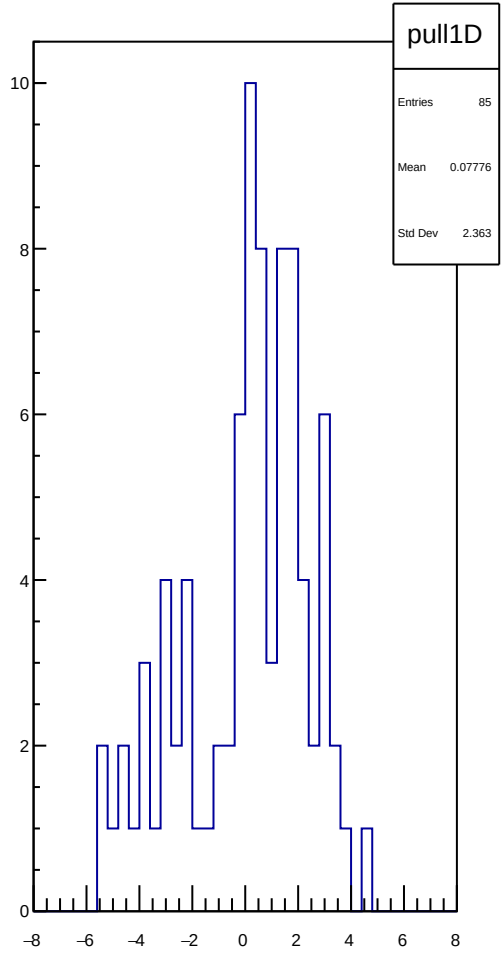

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.07 / 84
p0 5.908 ± 2.736
pull
Entries 85
Mean 11.34
Std Dev 16.92

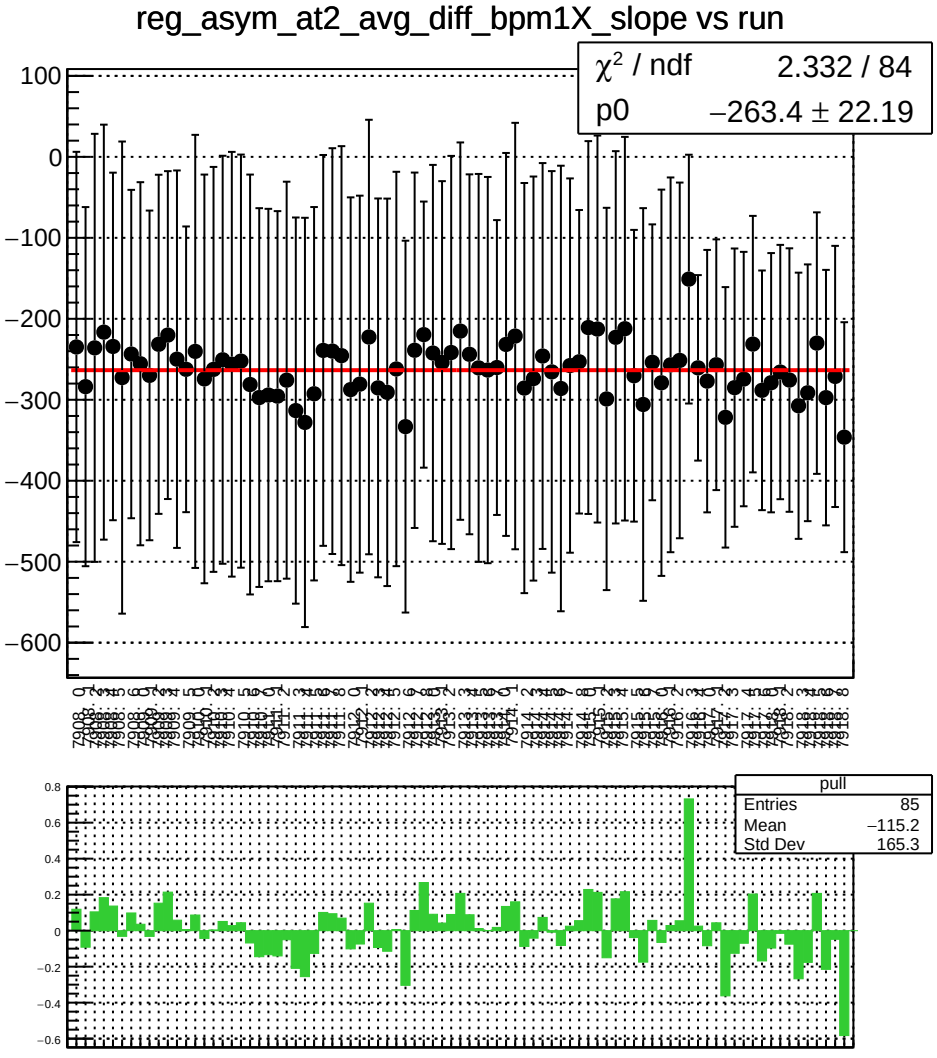

pull1D
Entries 85
Mean −0.01129
Std Dev 0.7361

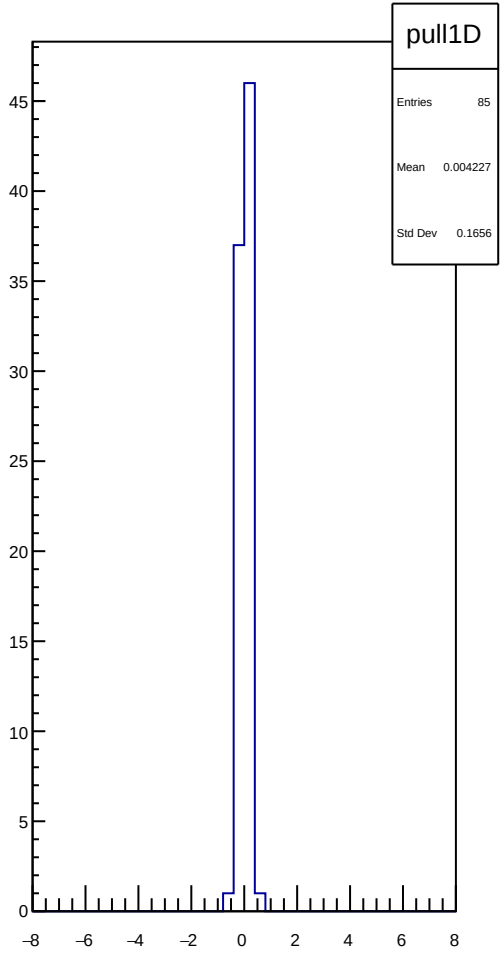

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 50.94 / 84
p0 −9.321 ± 3.784
pull
Entries 85
Mean −28.96
Std Dev 80.22

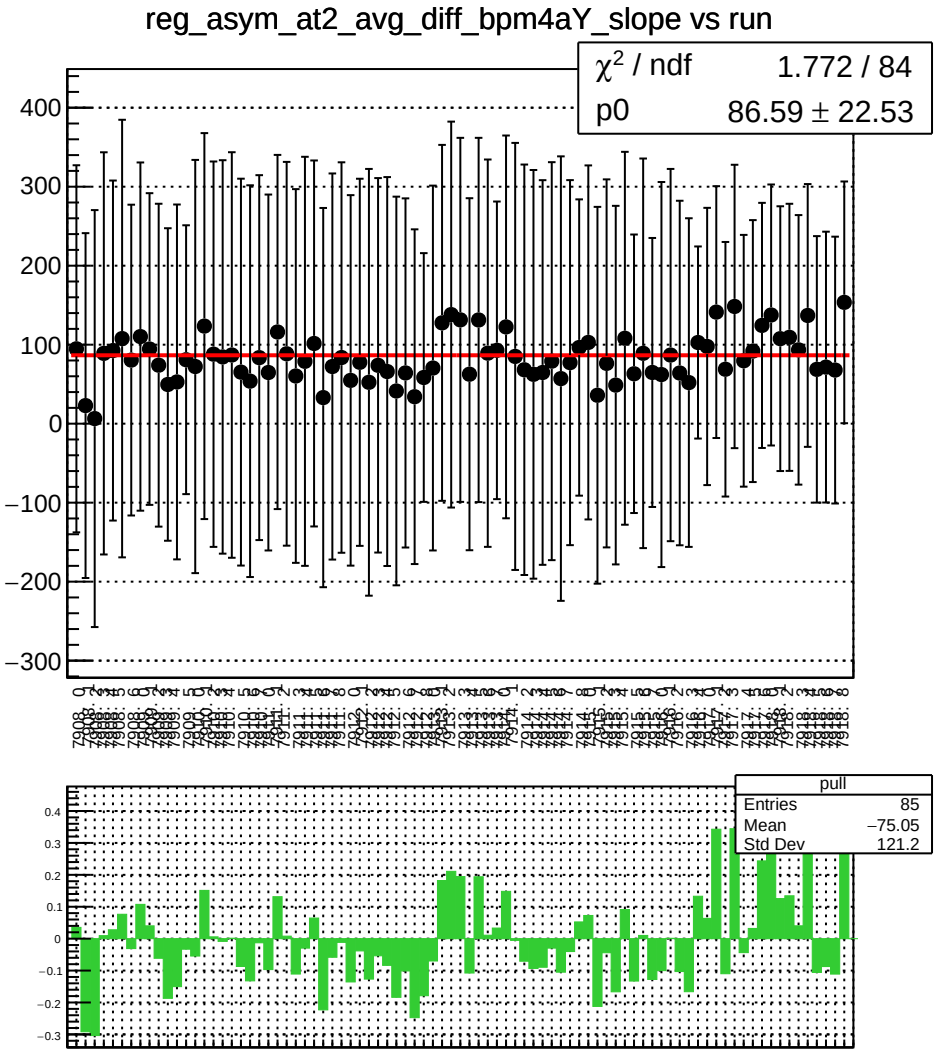

pull1D
Entries 85
Mean 0.005401
Std Dev 0.7741

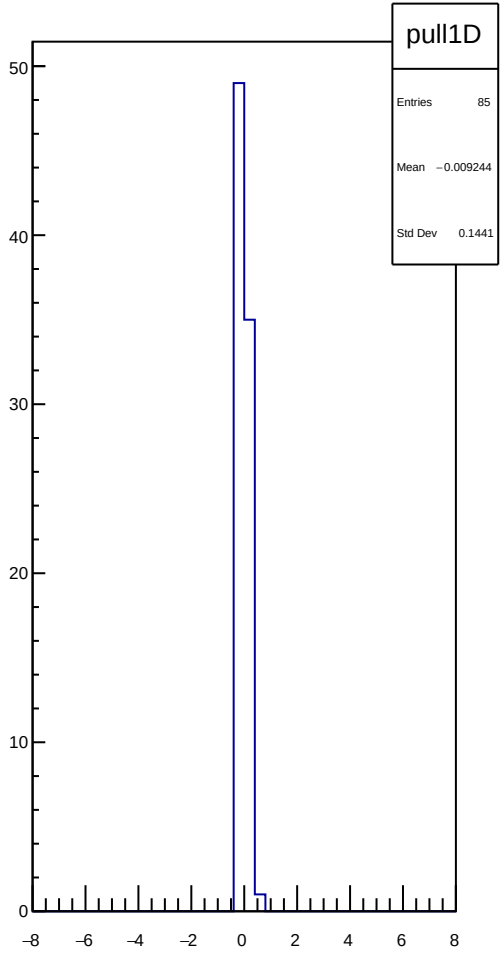

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 475 / 84
p0 33.21 ± 0.1135
pull
Entries 85
Mean −449.8
Std Dev 498.9

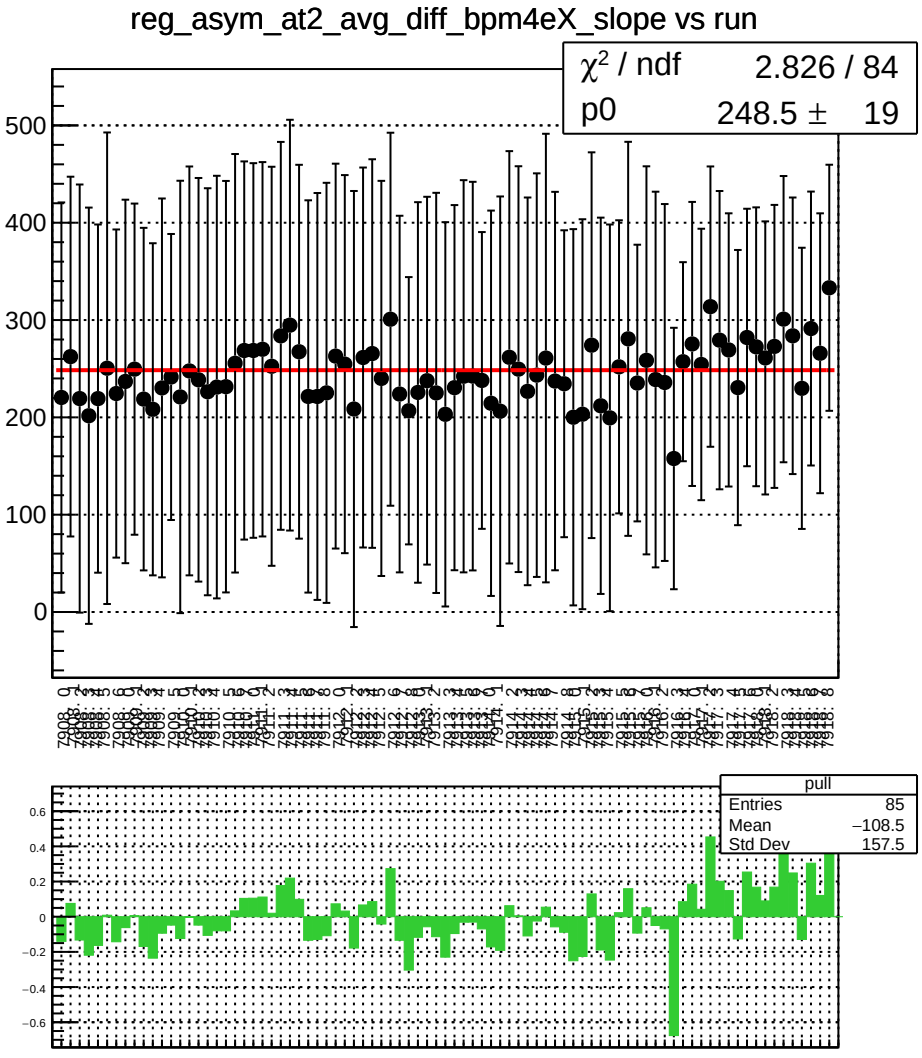

pull1D
Entries 85
Mean 0.07776
Std Dev 2.363

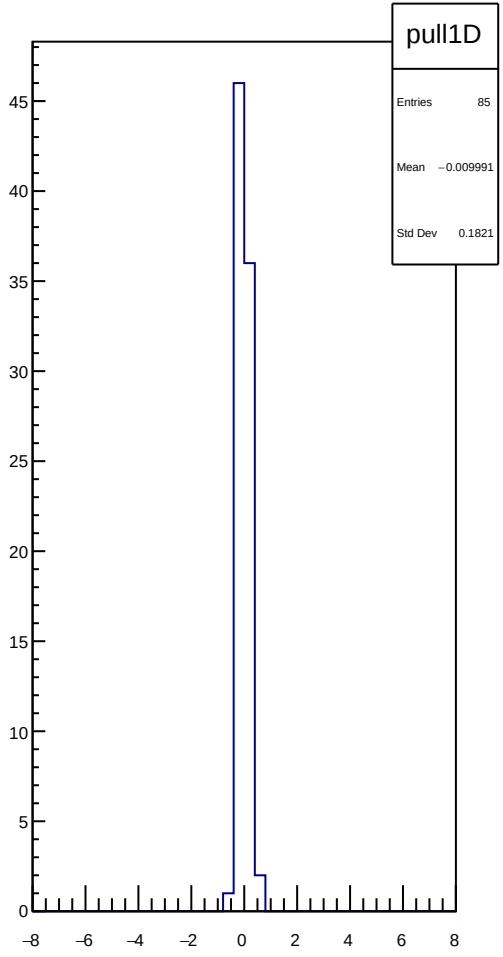

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 2.332 / 84
p0 −263.4 ± 22.19
pull
Entries 85
Mean −115.2
Std Dev 165.3

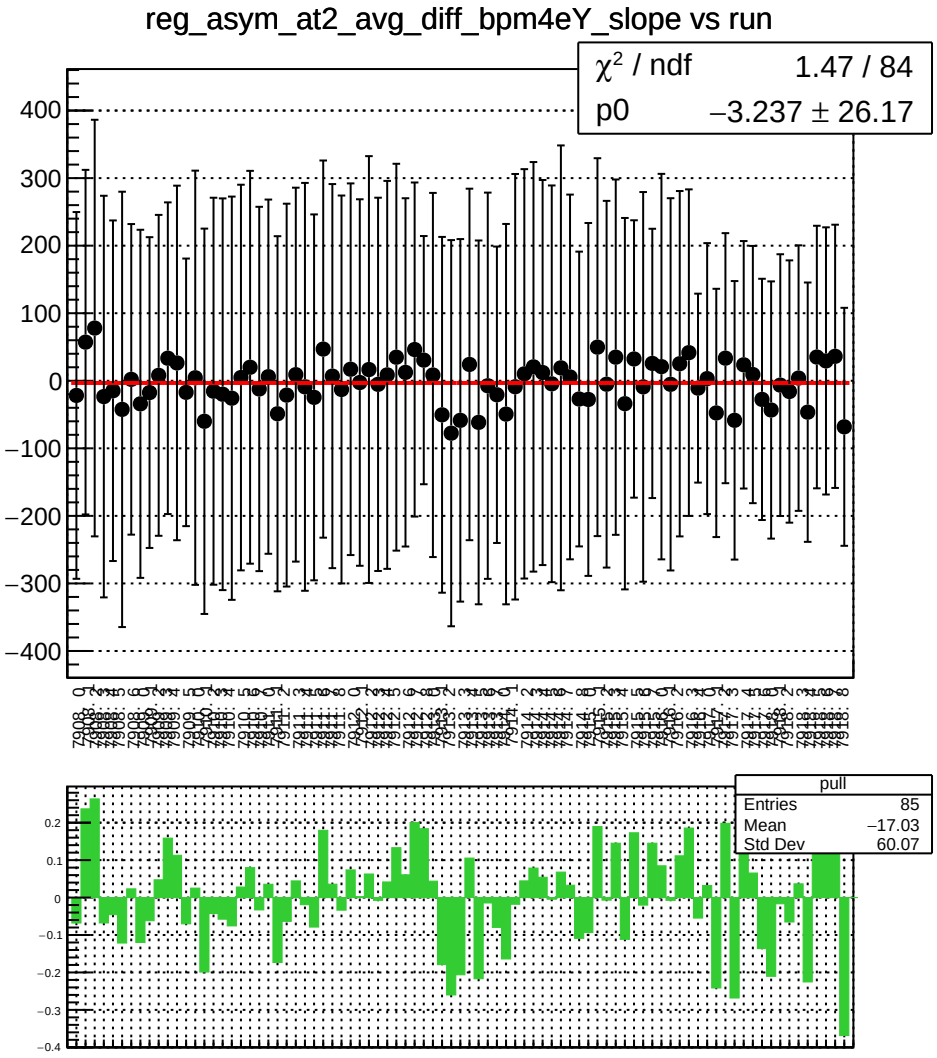

pull1D
Entries 85
Mean 0.004227
Std Dev 0.1656

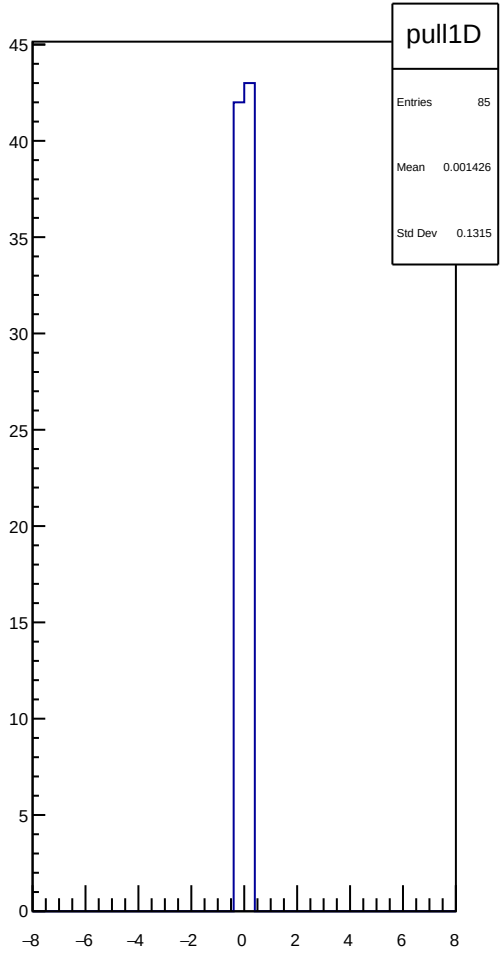

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.772 / 84
p0 86.59 ± 22.53
pull
Entries 85
Mean −75.05
Std Dev 121.2

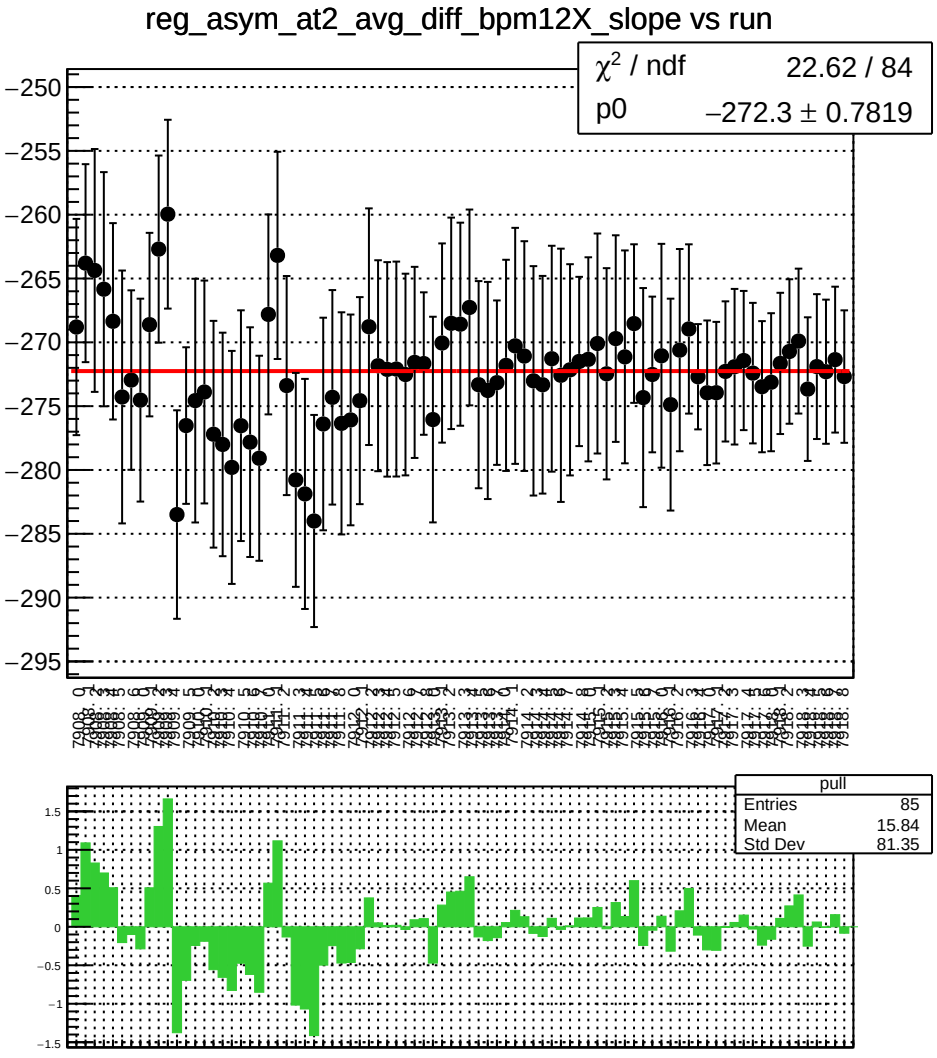

pull1D
Entries 85
Mean −0.009244
Std Dev 0.1441

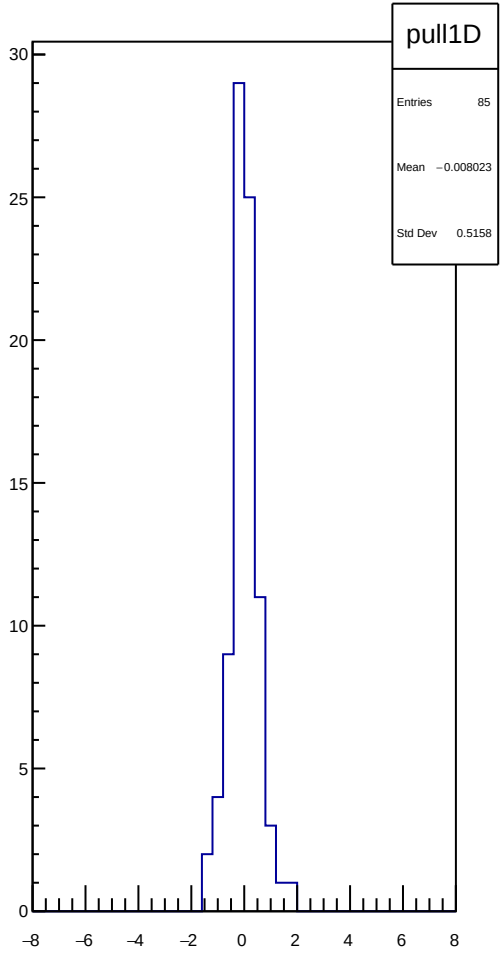

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 2.826 / 84
p0 248.5 ± 19
pull
Entries 85
Mean −108.5
Std Dev 157.5

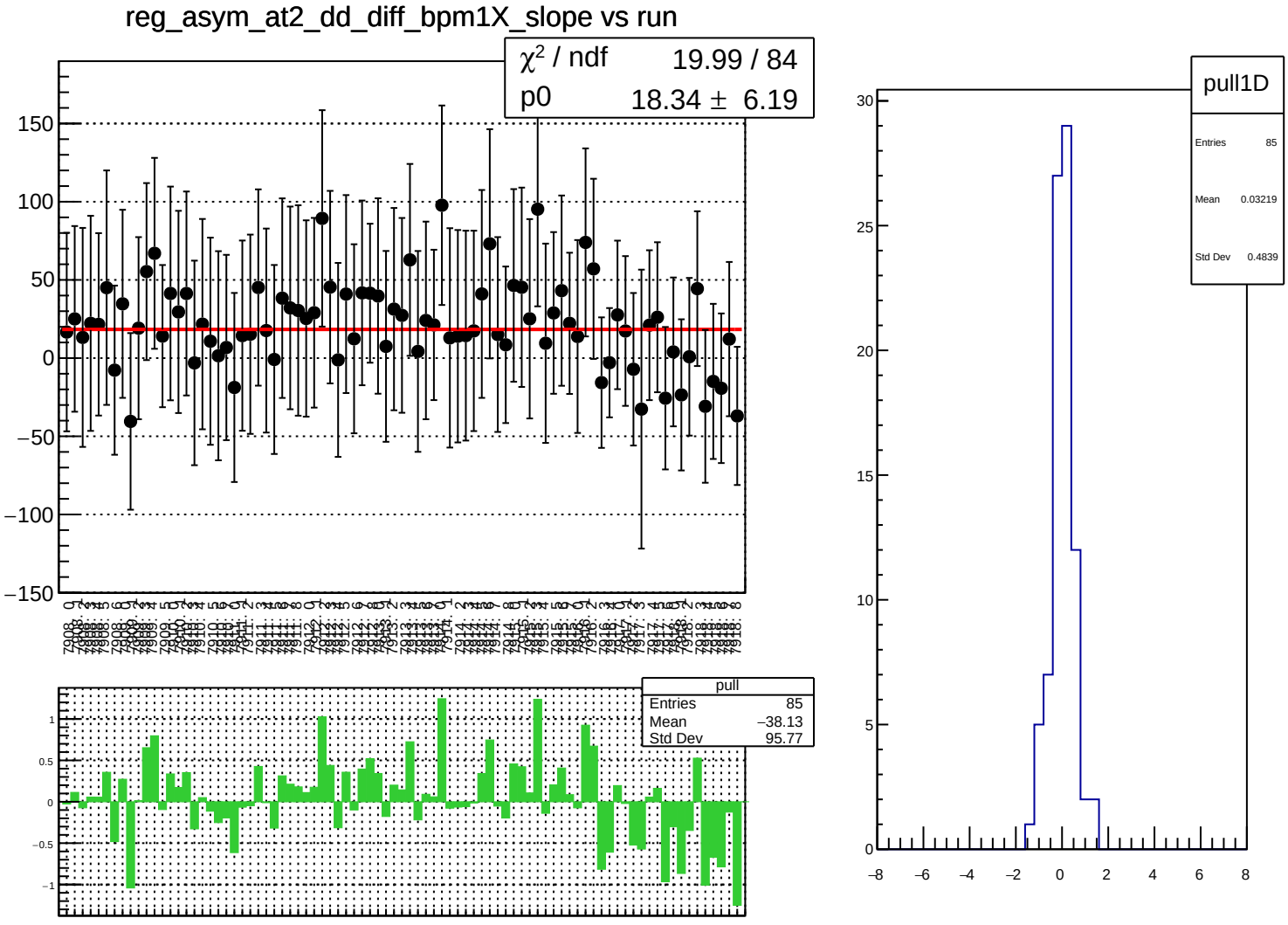

pull1D
Entries 85
Mean −0.009991
Std Dev 0.1821

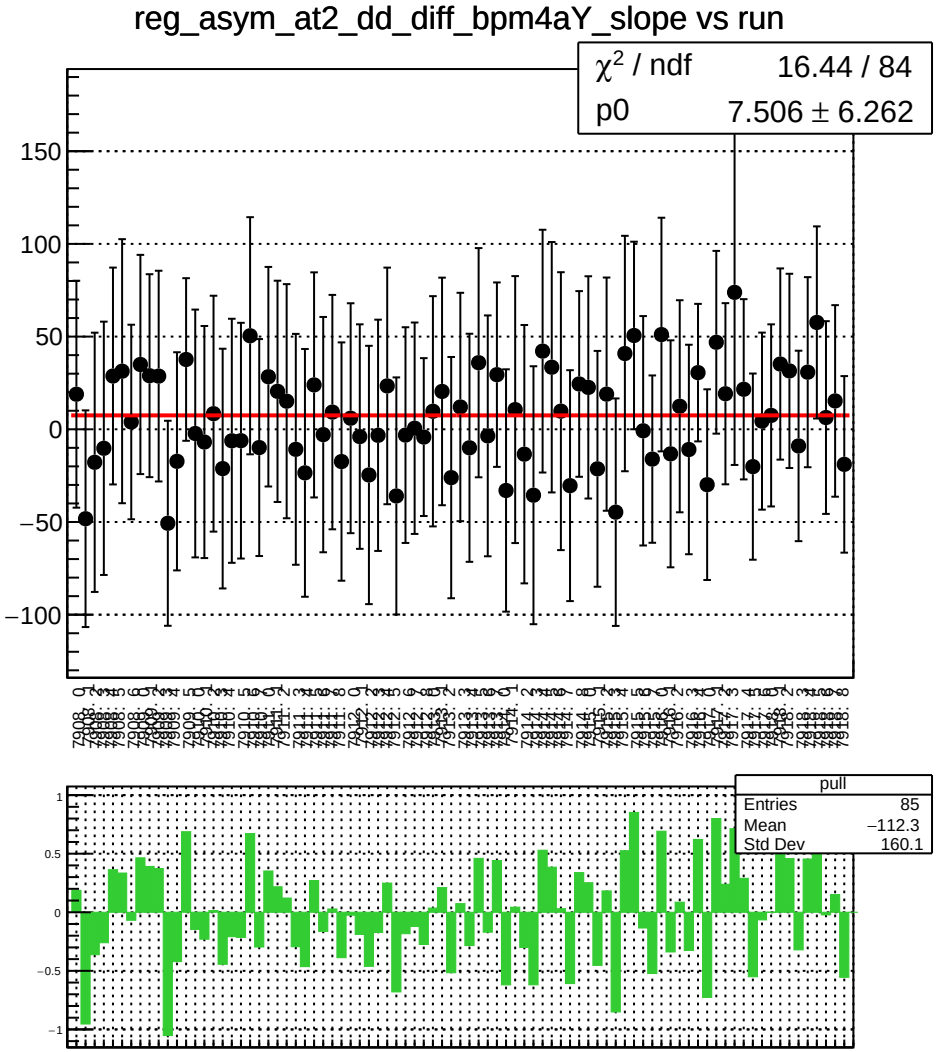

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.47 / 84
p0 −3.237 ± 26.17
pull
Entries 85
Mean −17.03
Std Dev 60.07

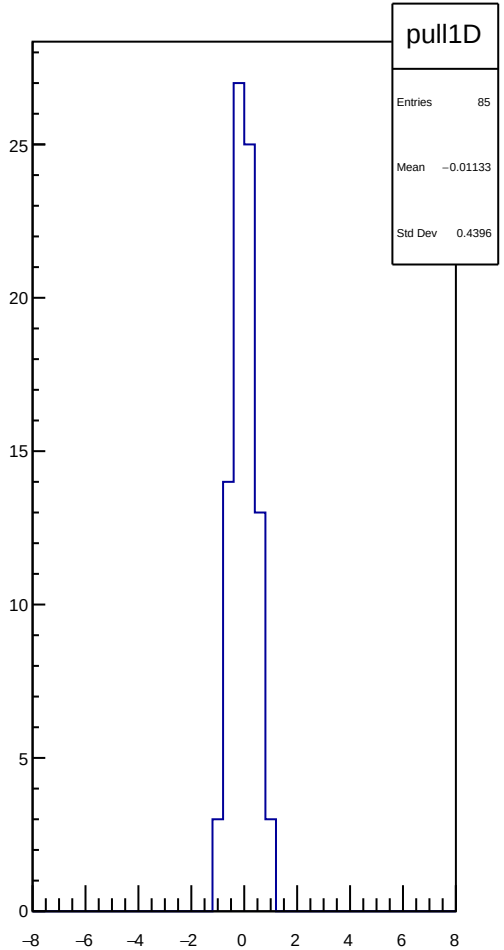

pull1D
Entries 85
Mean 0.001426
Std Dev 0.1315

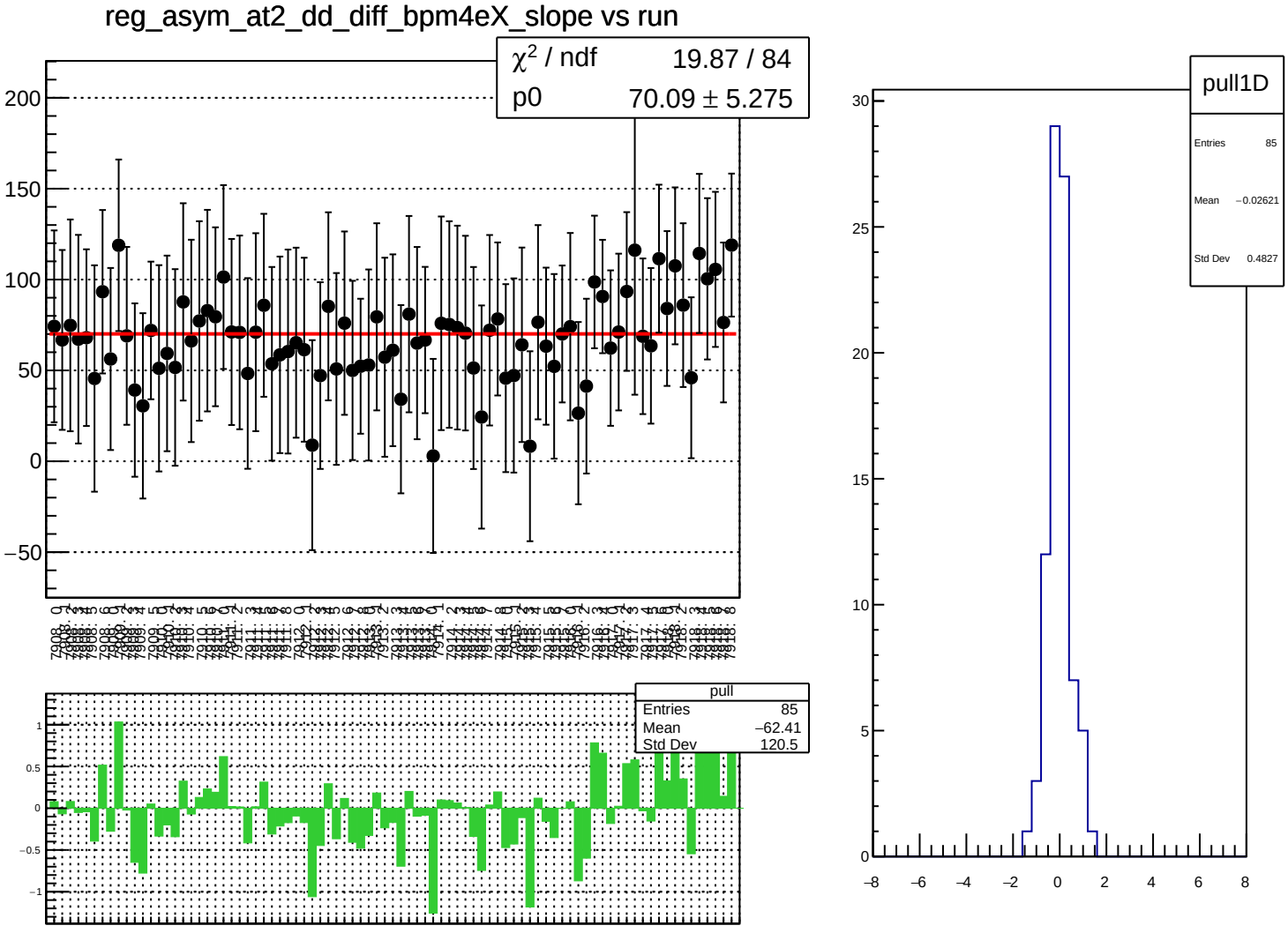

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 22.62 / 84
p0 −272.3 ± 0.7819
pull
Entries 85
Mean 15.84
Std Dev 81.35

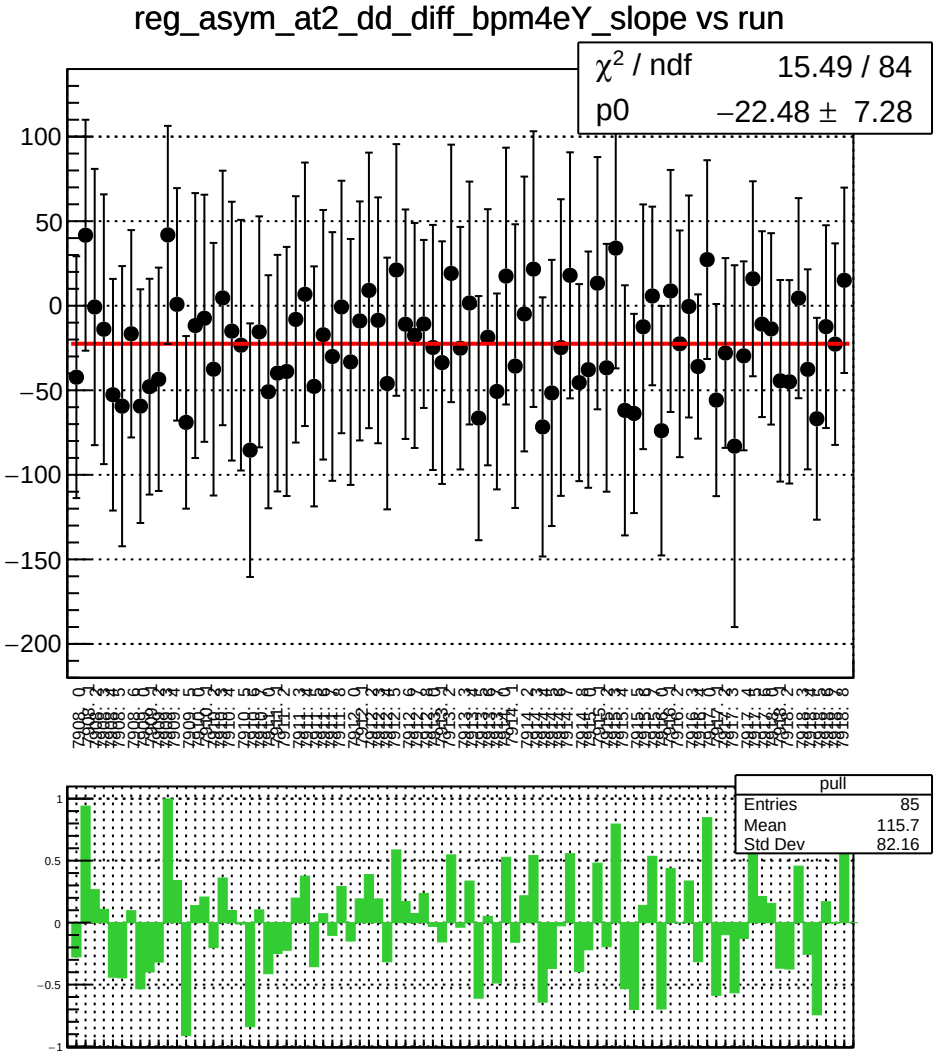

pull1D
Entries 85
Mean −0.008023
Std Dev 0.5158

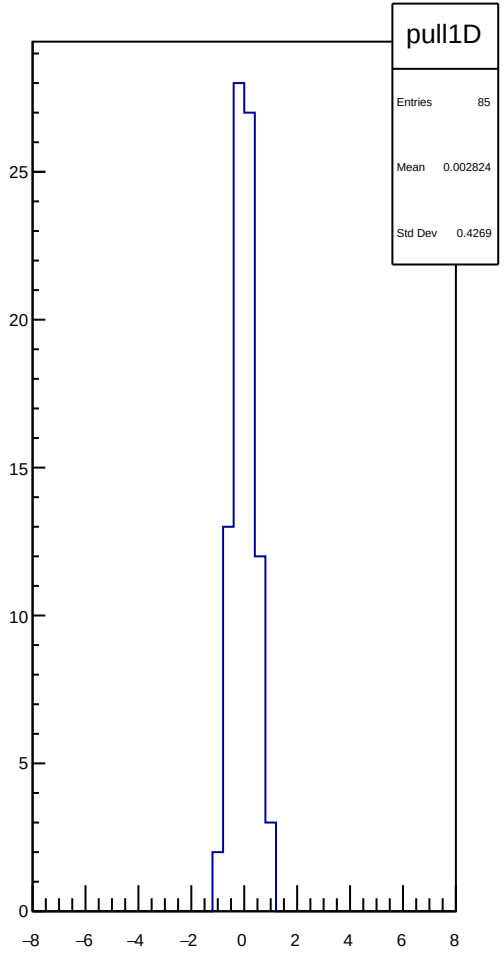

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 19.99 / 84
p0 18.34 ± 6.19
pull
Entries 85
Mean −38.13
Std Dev 95.77
pull1D
Entries 85
Mean 0.03219
Std Dev 0.4839

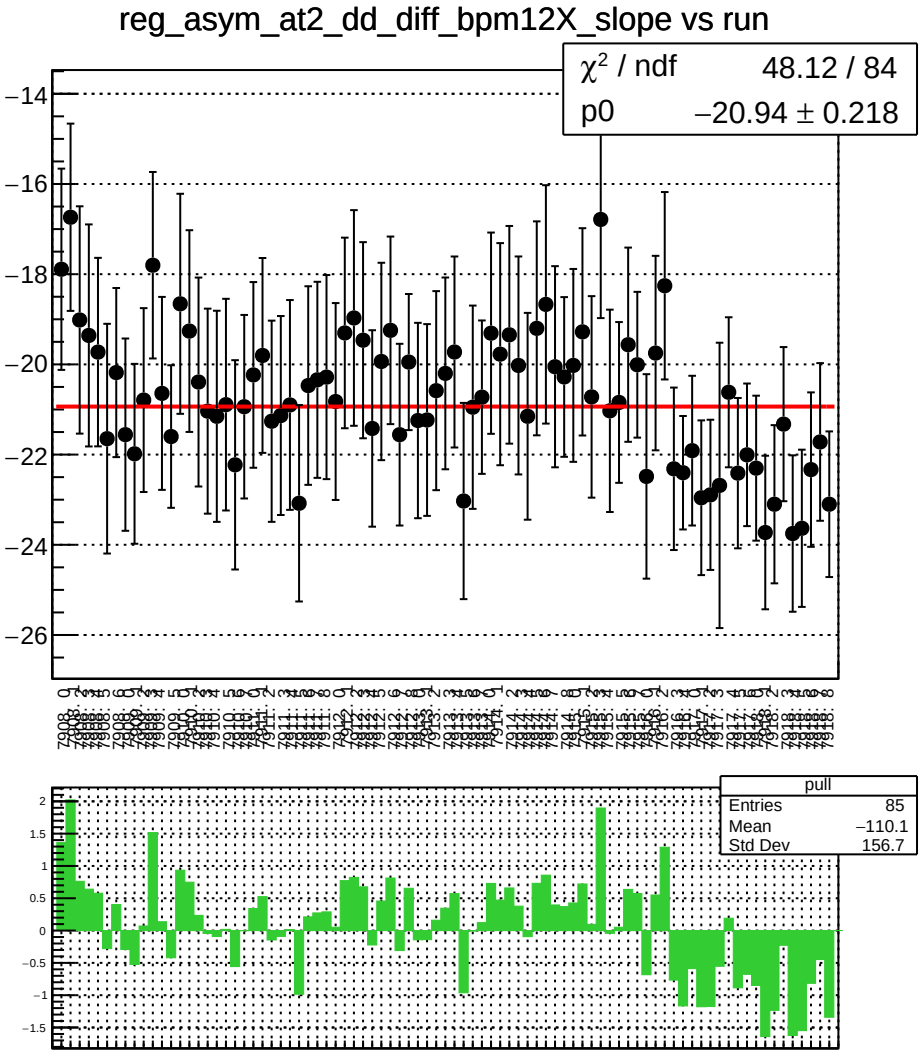

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.44 / 84
p0 7.506 ± 6.262
150
100
50
0
−50
−100
pull
Entries 85
Mean −112.3
Std Dev 160.1
1
0.5
0
−0.5
−1

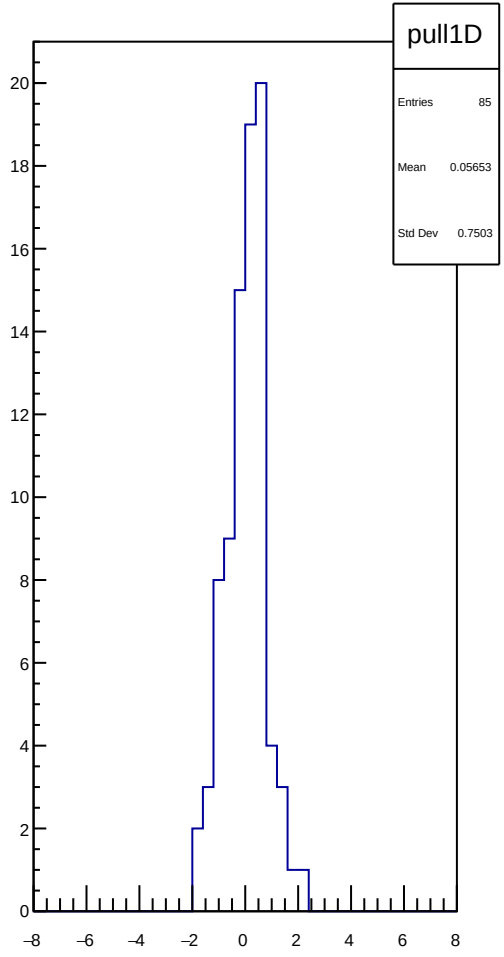

pull1D
Entries 85
Mean −0.01133
Std Dev 0.4396
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

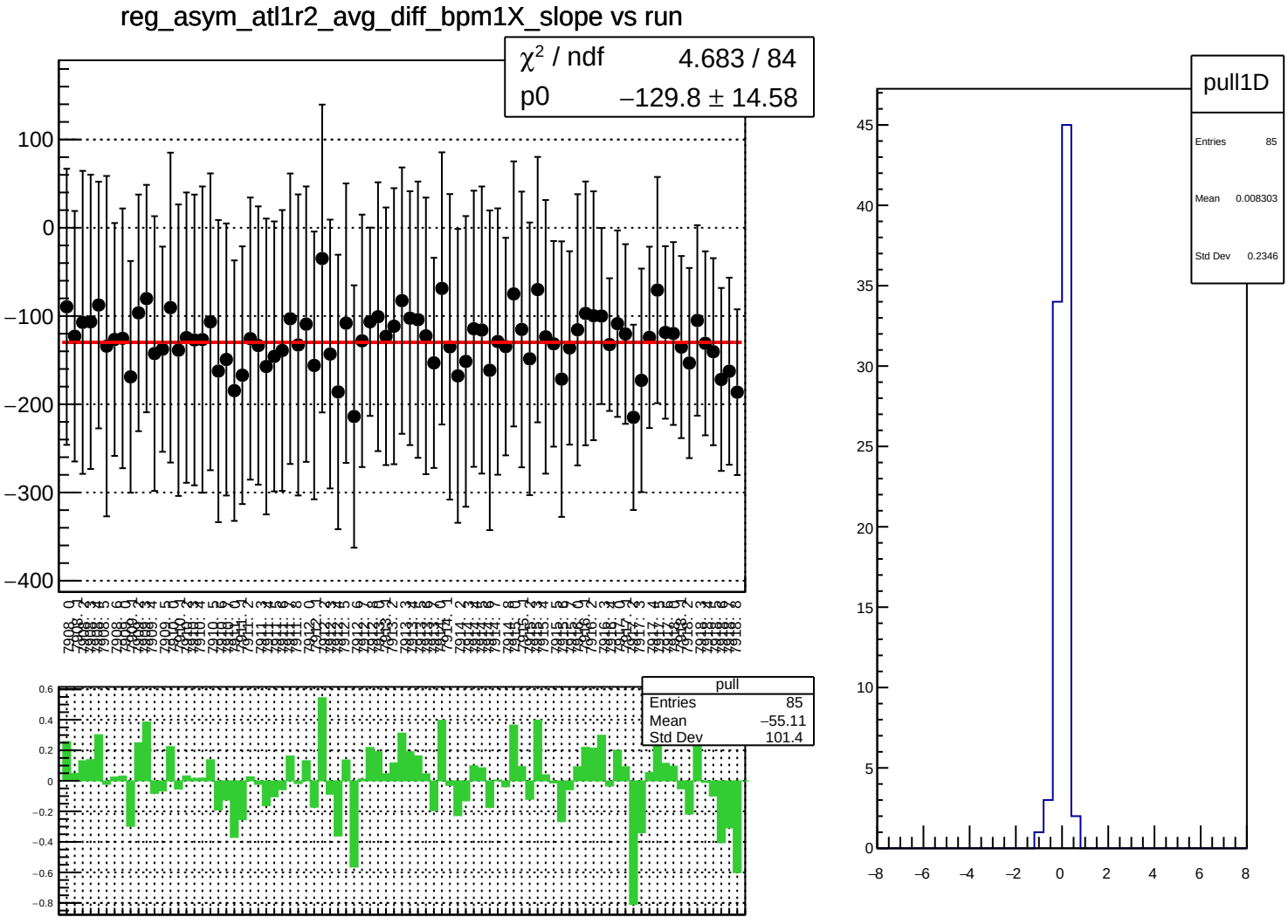

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 19.87 / 84
p0 70.09 ± 5.275
pull
Entries 85
Mean −62.41
Std Dev 120.5
pull1D
Entries 85
Mean −0.02621
Std Dev 0.4827

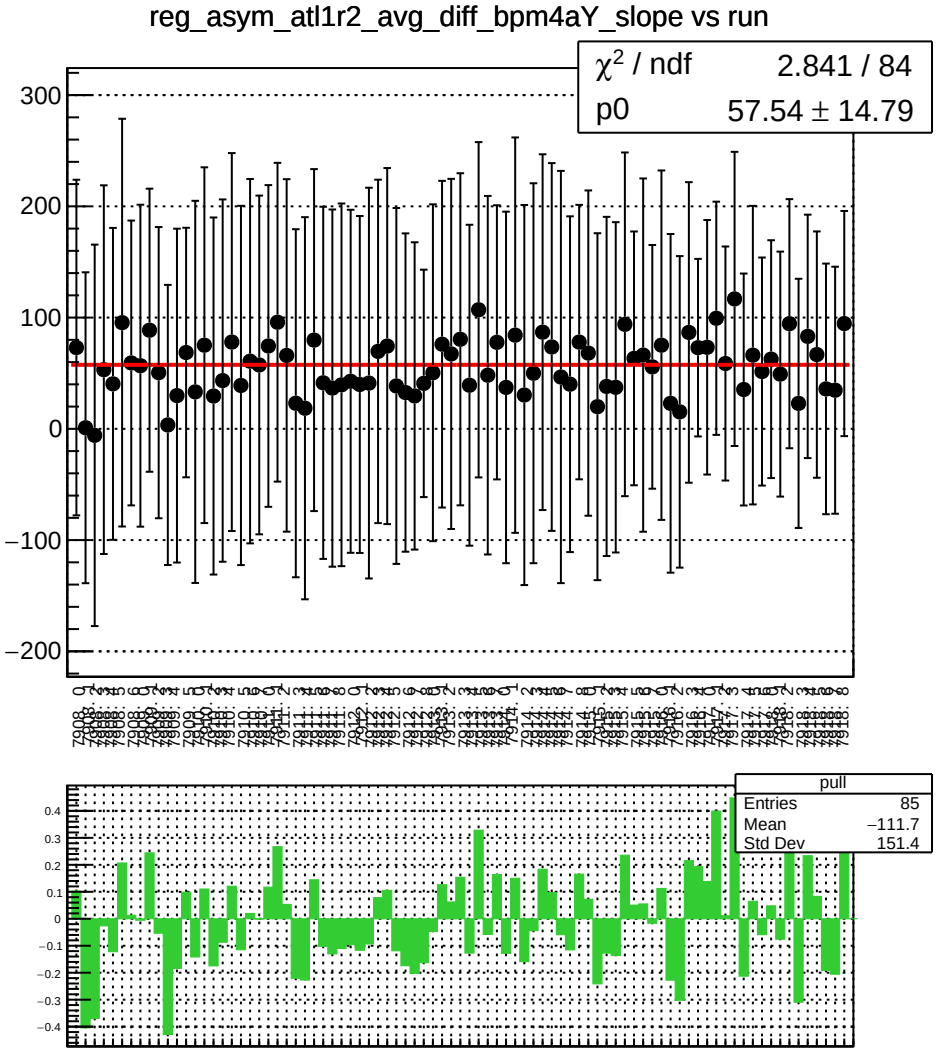

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.49 / 84
p0 −22.48 ± 7.28
pull
Entries 85
Mean 115.7
Std Dev 82.16

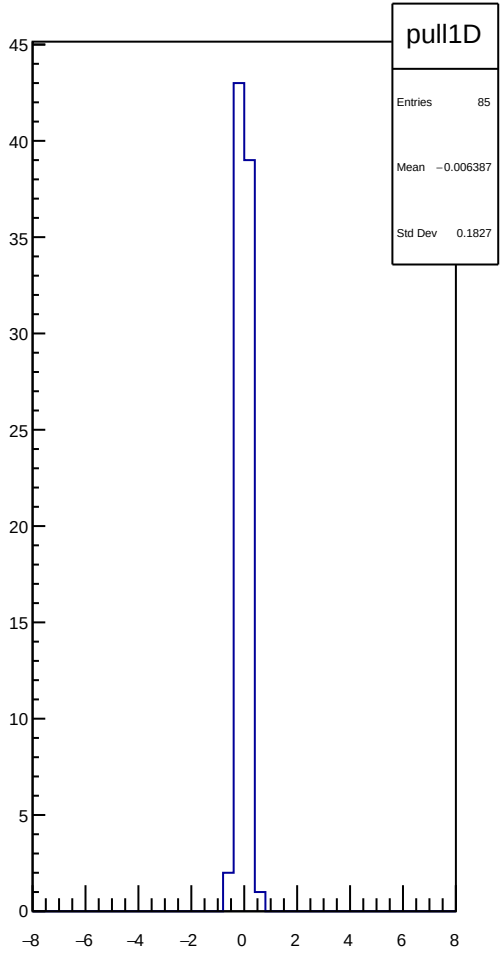

pull1D
Entries 85
Mean 0.002824
Std Dev 0.4269

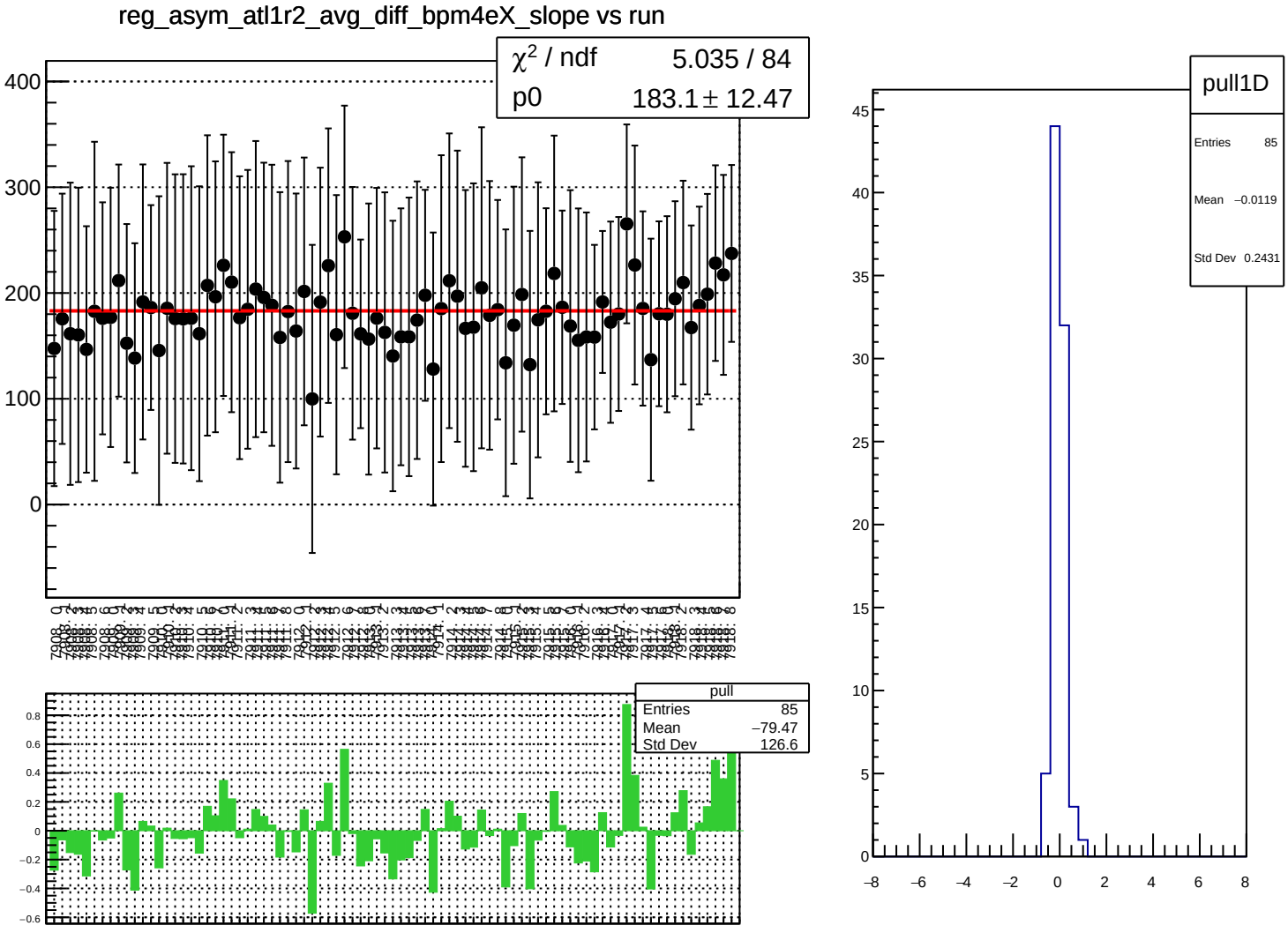

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 48.12 / 84
p0 −20.94 ± 0.218
pull
Entries 85
Mean −110.1
Std Dev 156.7

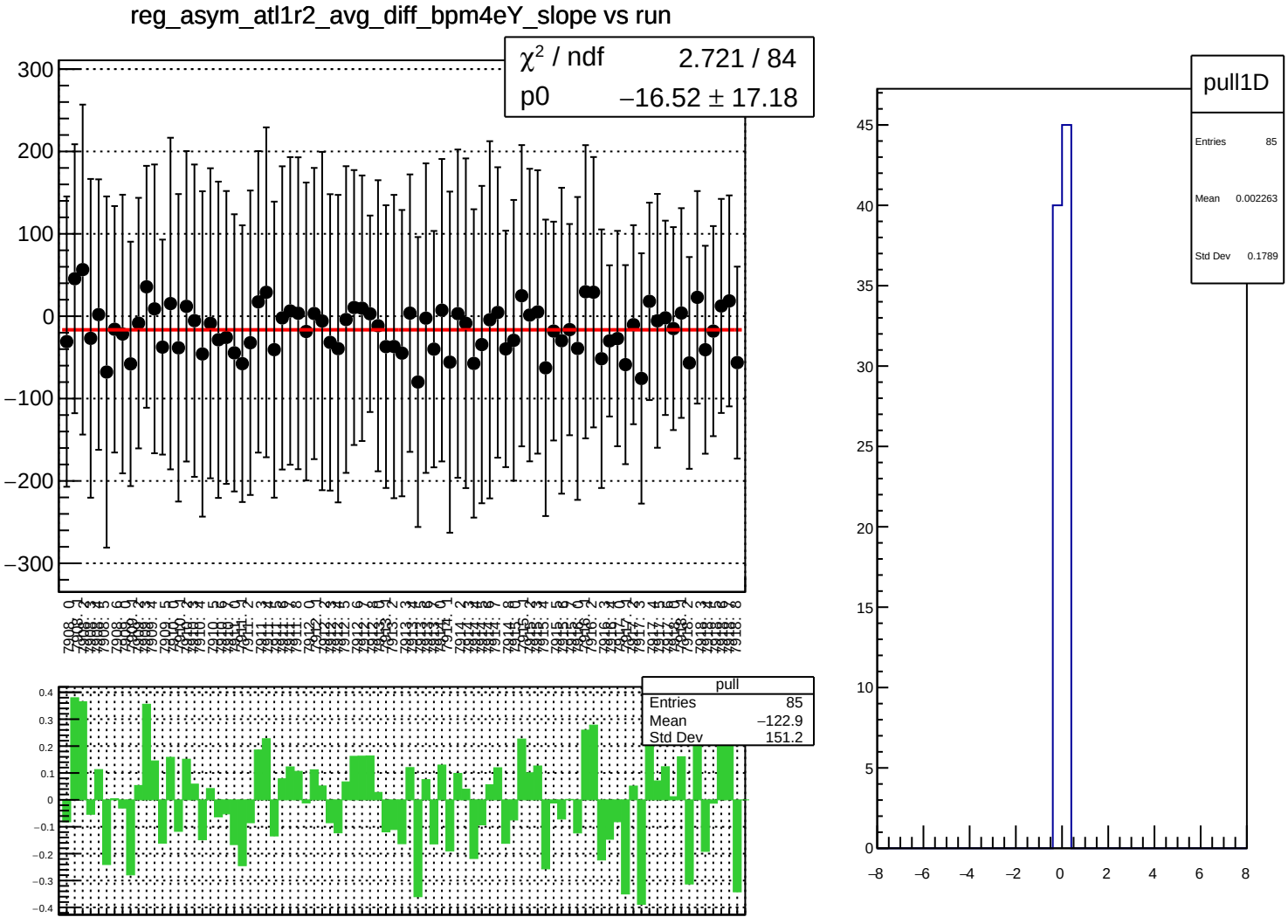

pull1D
Entries 85
Mean 0.05653
Std Dev 0.7503

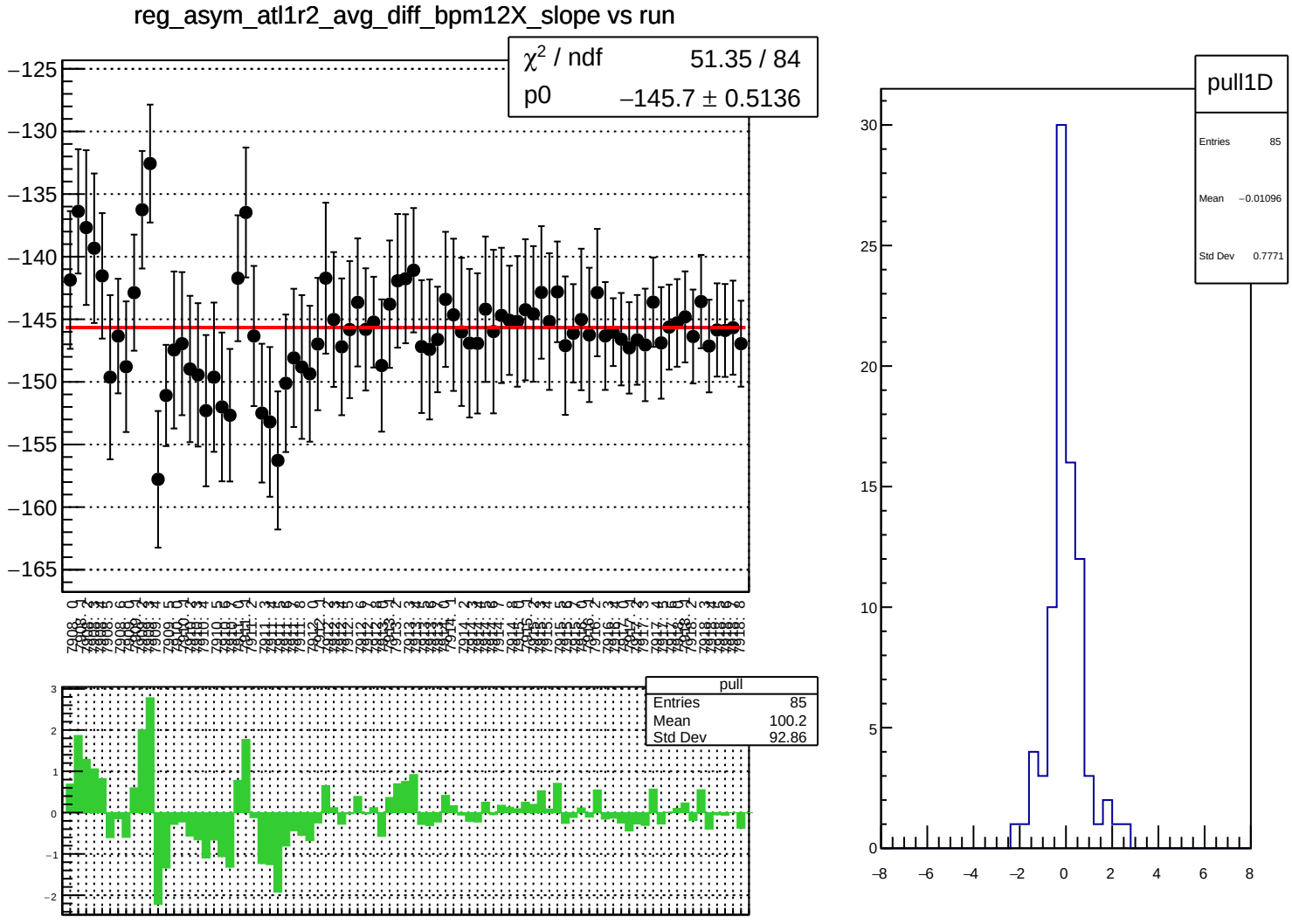

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 4.683 / 84
p0 −129.8 ± 14.58
pull
Entries 85
Mean −55.11
Std Dev 101.4
pull1D
Entries 85
Mean 0.008303
Std Dev 0.2346

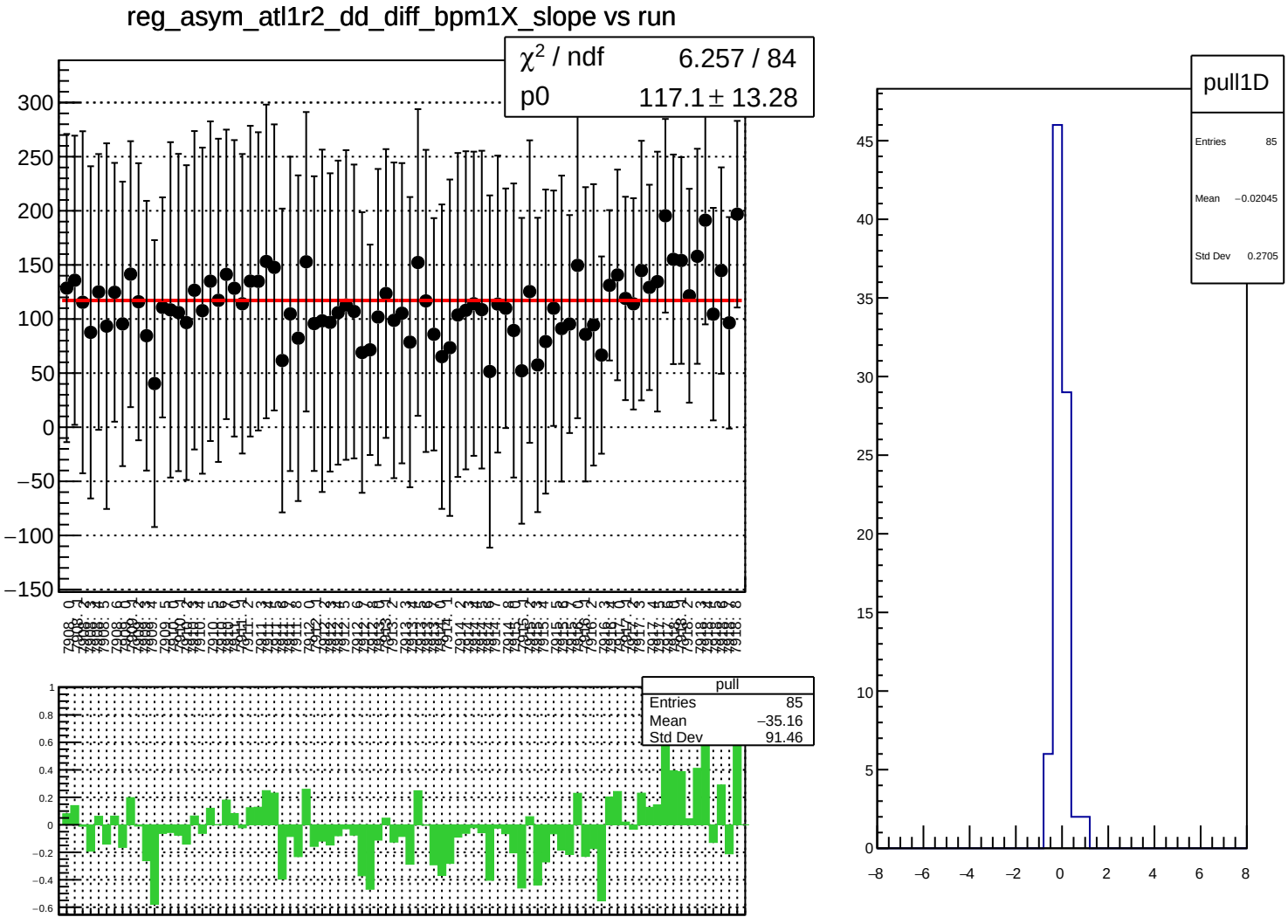

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.841 / 84
p0 57.54 ± 14.79
pull
Entries 85
Mean −111.7
Std Dev 151.4

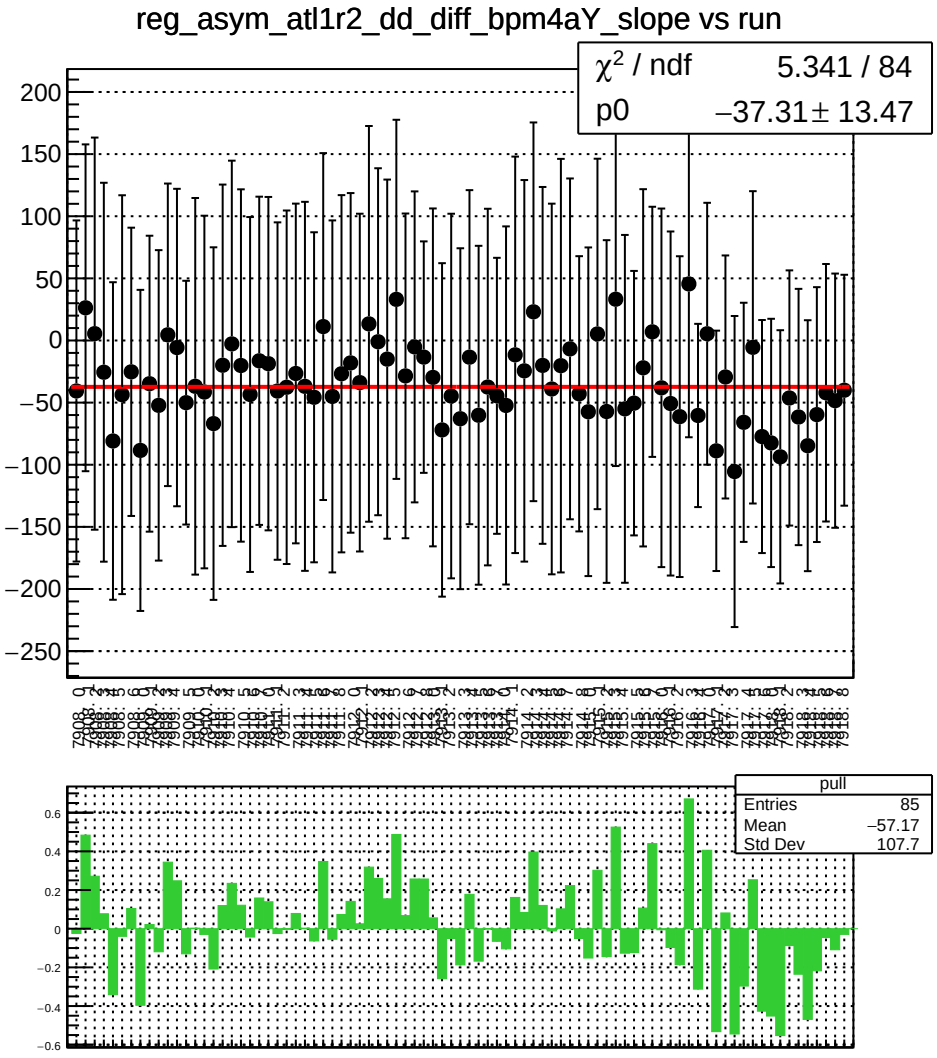

pull1D
Entries 85
Mean −0.006387
Std Dev 0.1827

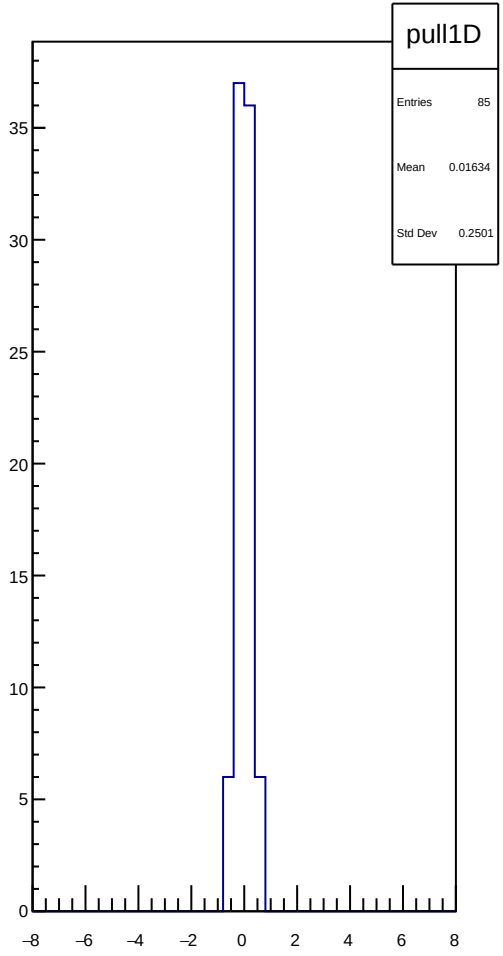

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.035 / 84
p0 183.1 ± 12.47
pull
Entries 85
Mean −79.47
Std Dev 126.6
pull1D
Entries 85
Mean −0.0119
Std Dev 0.2431

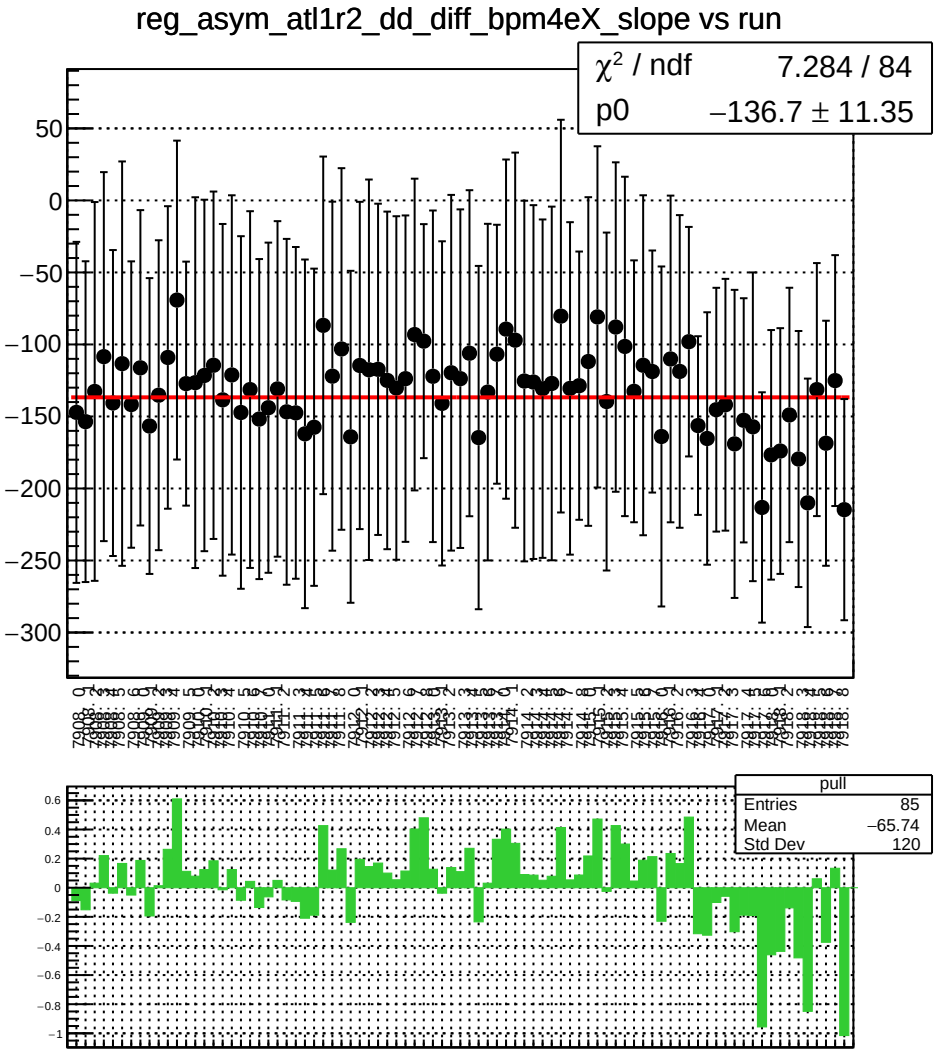

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.721 / 84
p0 −16.52 ± 17.18
pull
Entries 85
Mean −122.9
Std Dev 151.2
pull1D
Entries 85
Mean 0.002263
Std Dev 0.1789

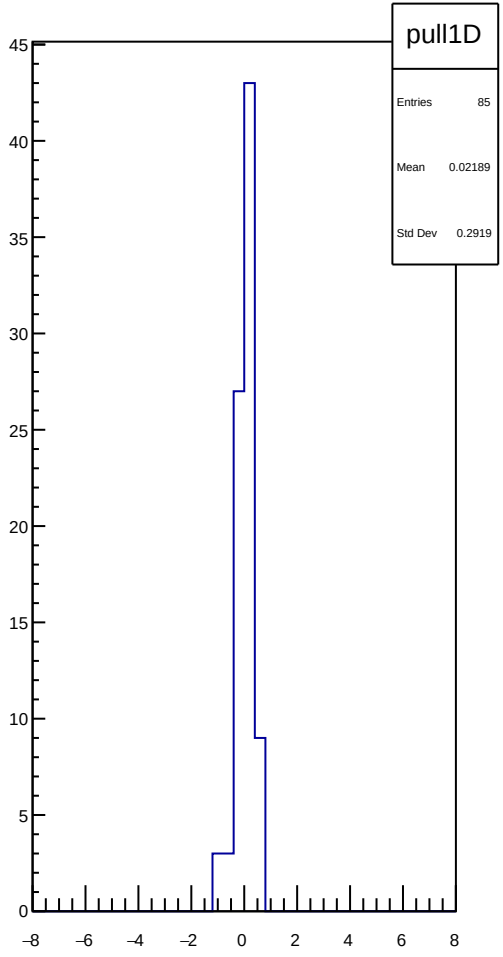

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 51.35 / 84
p0 −145.7 ± 0.5136
pull
Entries 85
Mean 100.2
Std Dev 92.86
pull1D
Entries 85
Mean −0.01096
Std Dev 0.7771

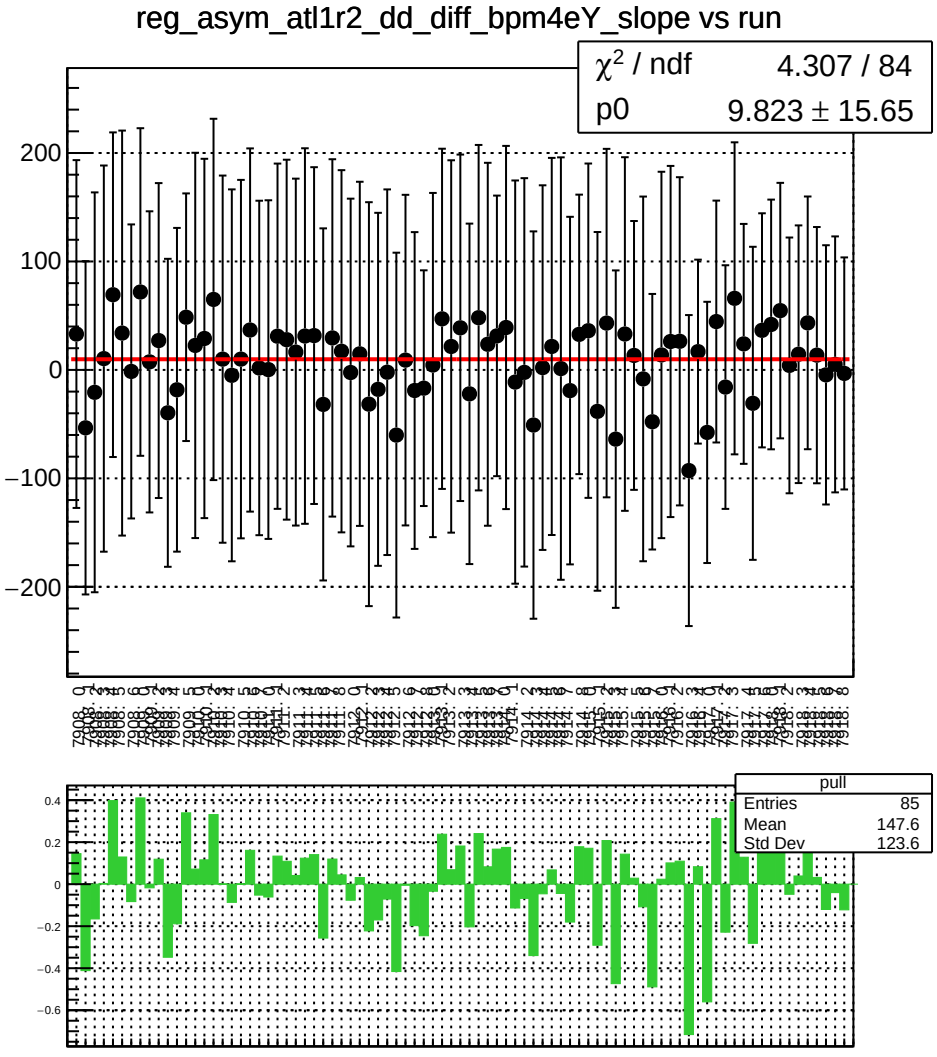

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 6.257 / 84
p0 117.1 ± 13.28
pull
Entries 85
Mean −35.16
Std Dev 91.46
pull1D
Entries 85
Mean −0.02045
Std Dev 0.2705

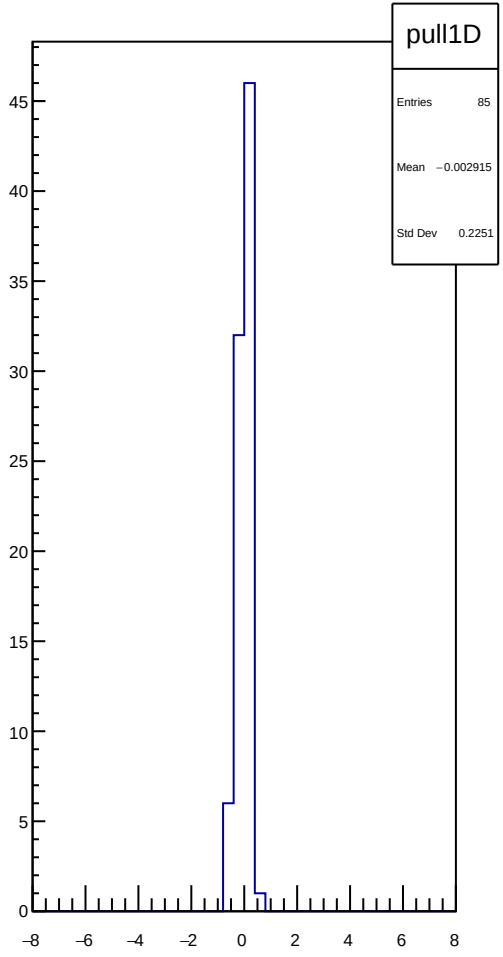

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.341 / 84
p0 −37.31 ± 13.47
pull
Entries 85
Mean −57.17
Std Dev 107.7

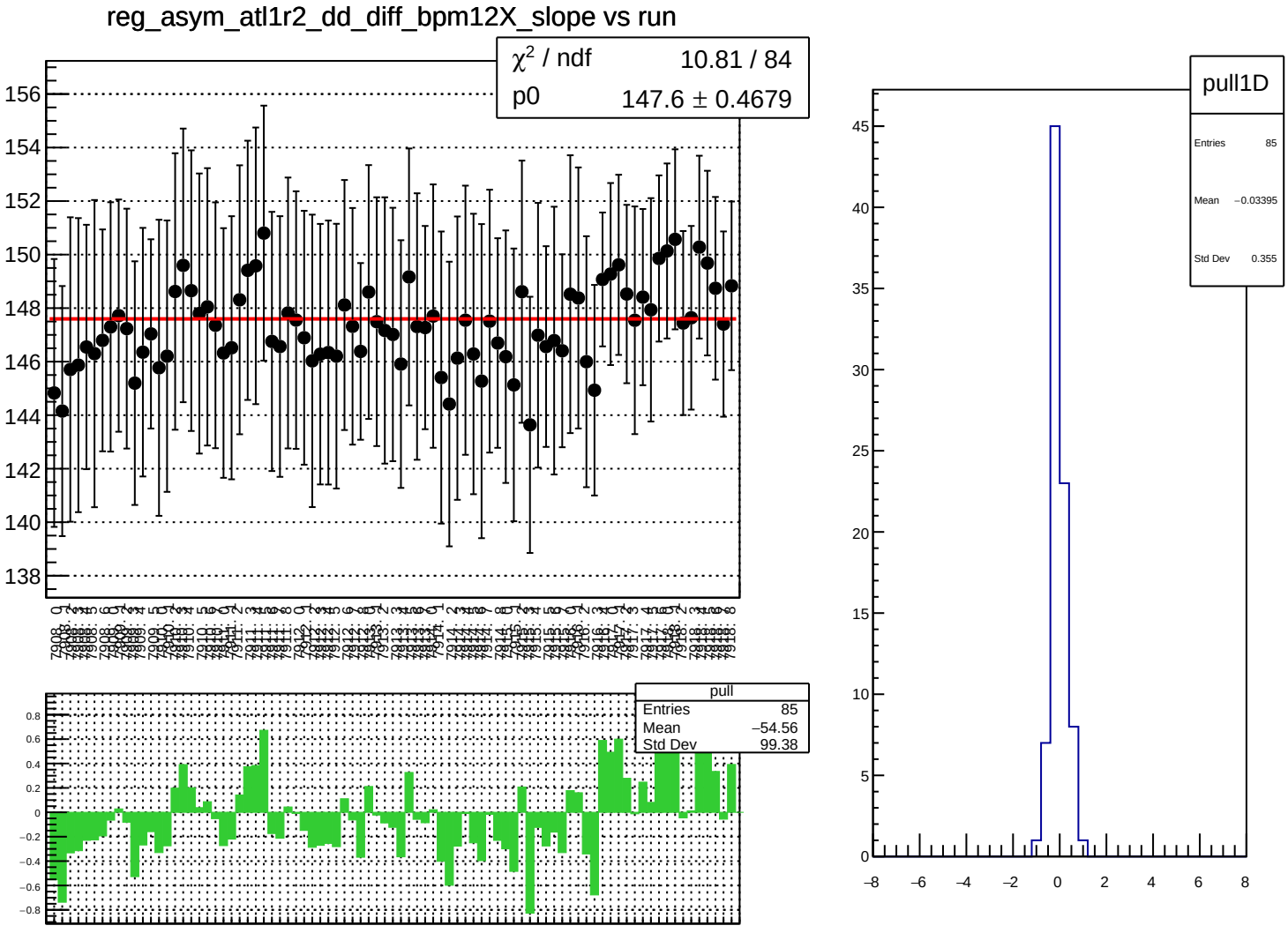

pull1D
Entries 85
Mean 0.01634
Std Dev 0.2501

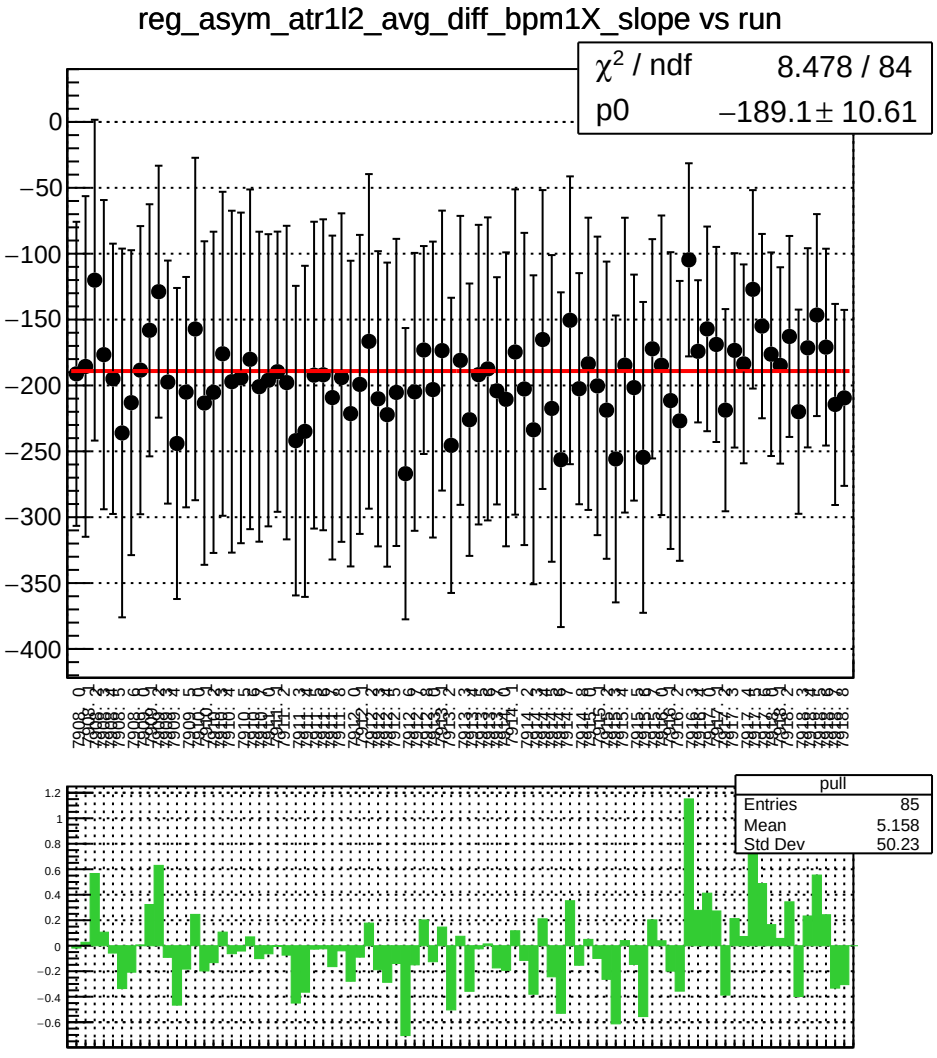

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.284 / 84
p0 −136.7 ± 11.35
pull
Entries 85
Mean −65.74
Std Dev 120

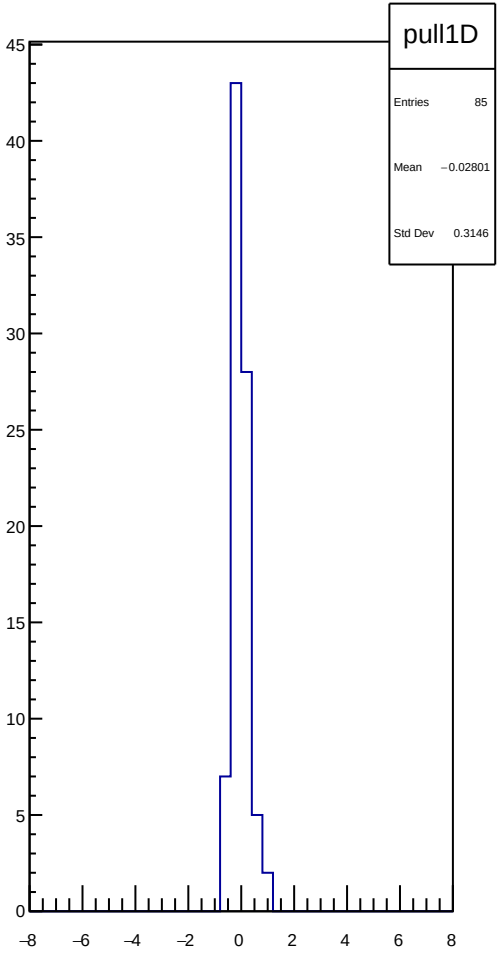

pull1D
Entries 85
Mean 0.02189
Std Dev 0.2919

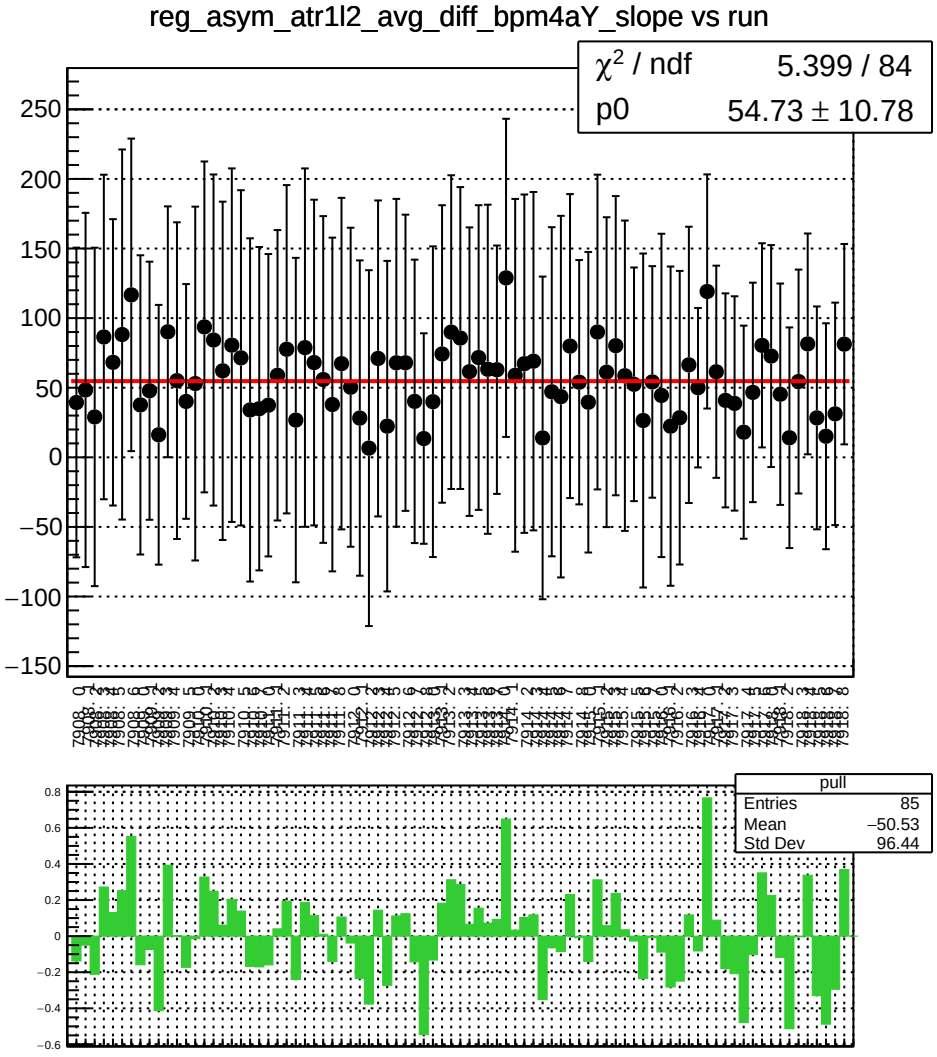

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 4.307 / 84
p0 9.823 ± 15.65
pull
Entries 85
Mean 147.6
Std Dev 123.6

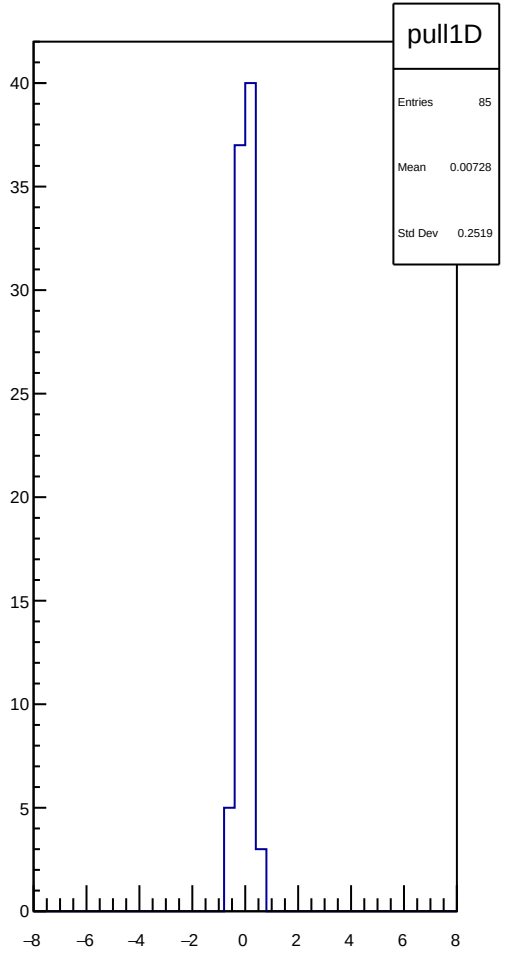

pull1D
Entries 85
Mean −0.002915
Std Dev 0.2251

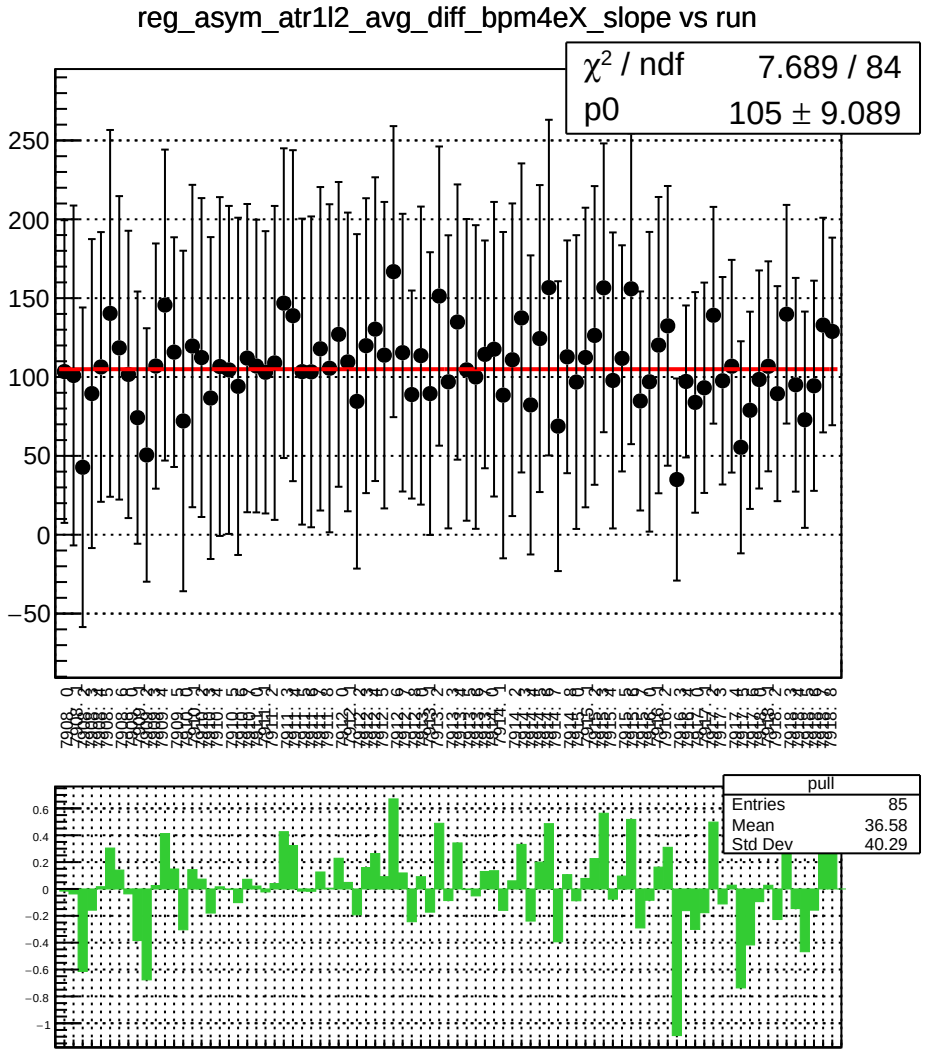

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.81 / 84
p0 147.6 ± 0.4679
pull
Entries 85
Mean −54.56
Std Dev 99.38
pull1D
Entries 85
Mean −0.03395
Std Dev 0.355

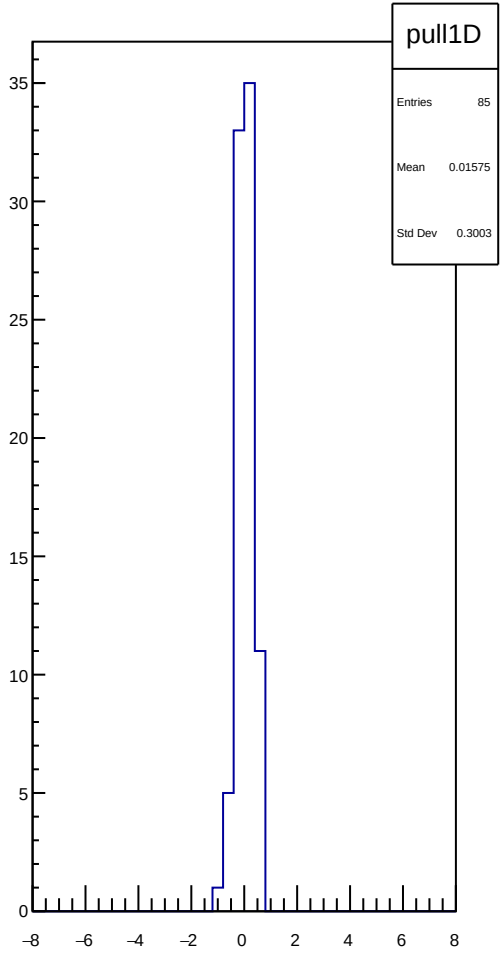

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.478 / 84
p0 −189.1 ± 10.61
pull
Entries 85
Mean 5.158
Std Dev 50.23

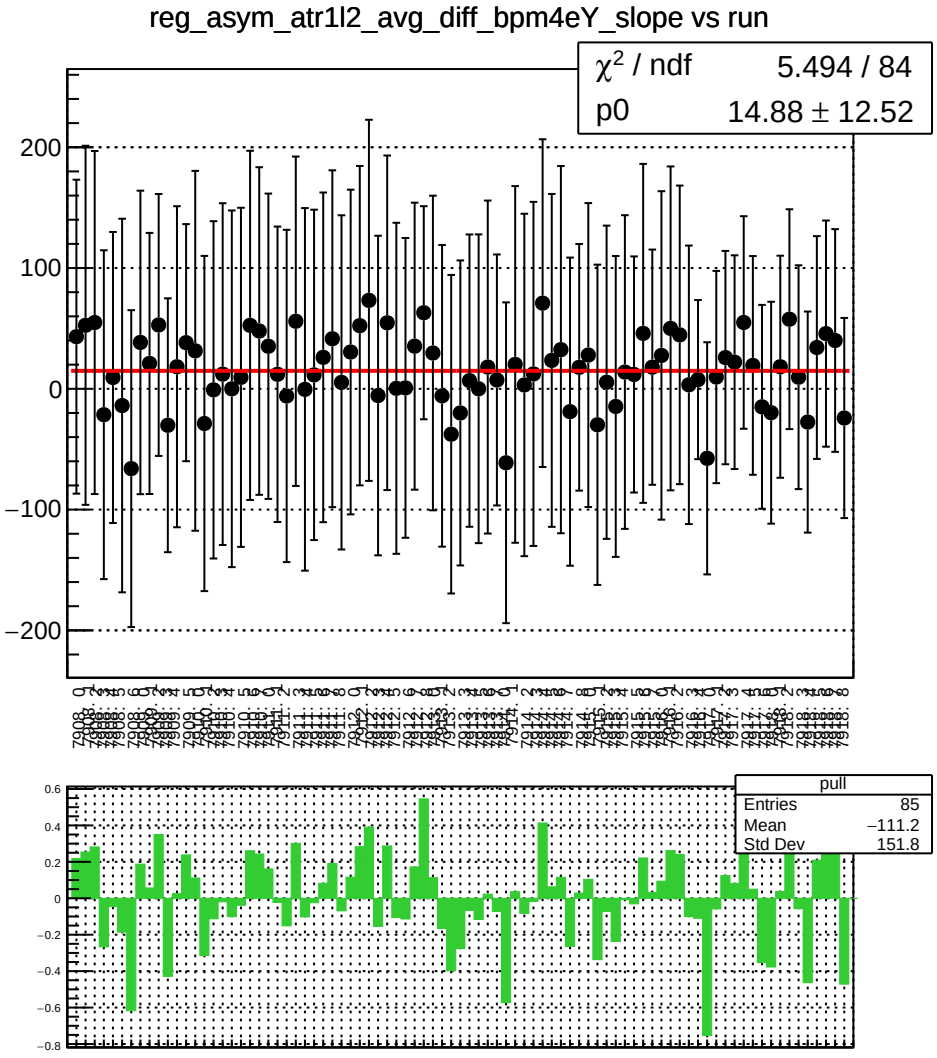

pull1D
Entries 85
Mean −0.02801
Std Dev 0.3146

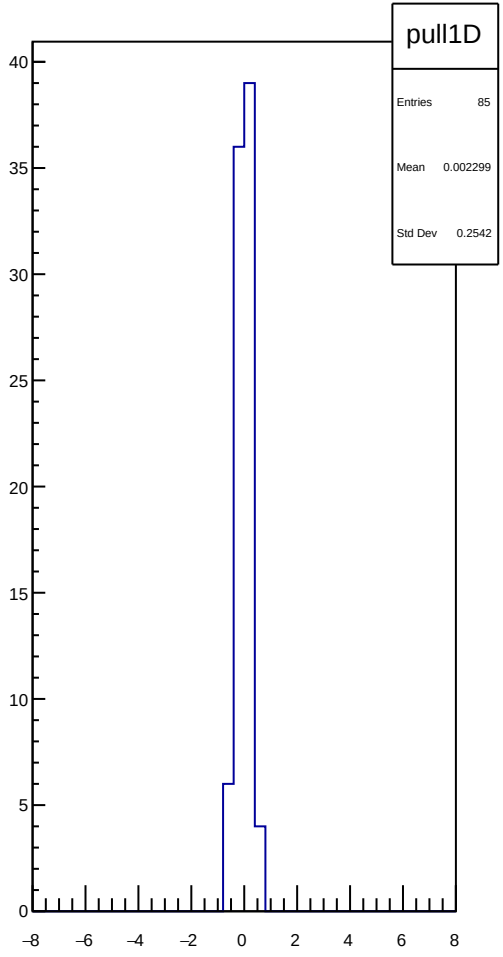

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.399 / 84
p0 54.73 ± 10.78
pull
Entries 85
Mean −50.53
Std Dev 96.44

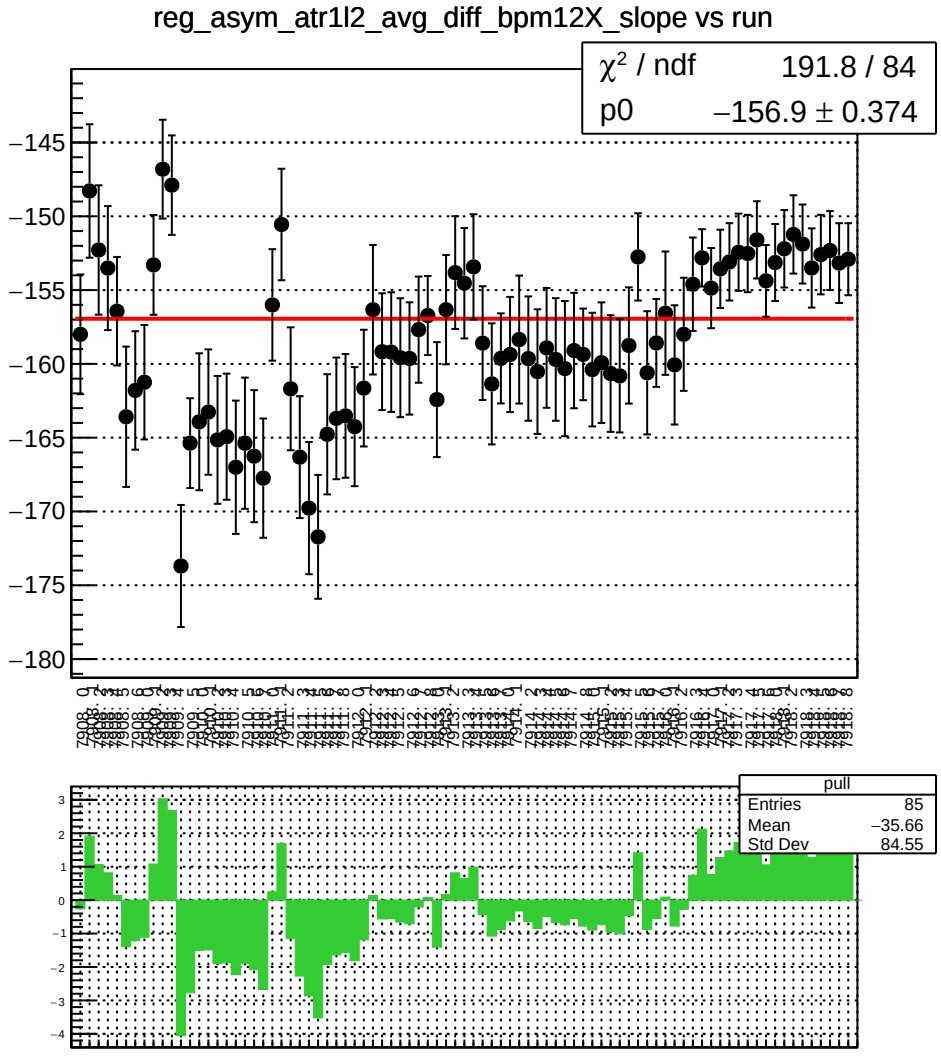

pull1D
Entries 85
Mean 0.00728
Std Dev 0.2519

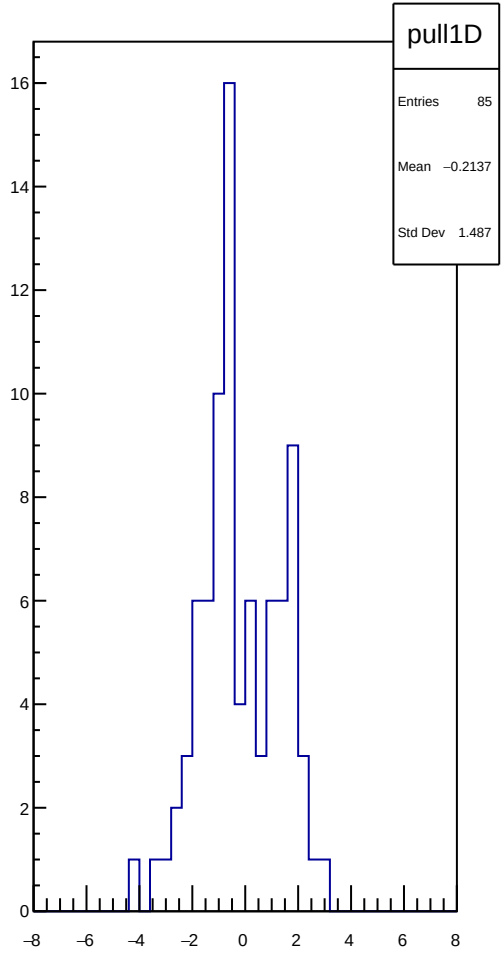

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 7.689 / 84
p0 105 ± 9.089
pull
Entries 85
Mean 36.58
Std Dev 40.29

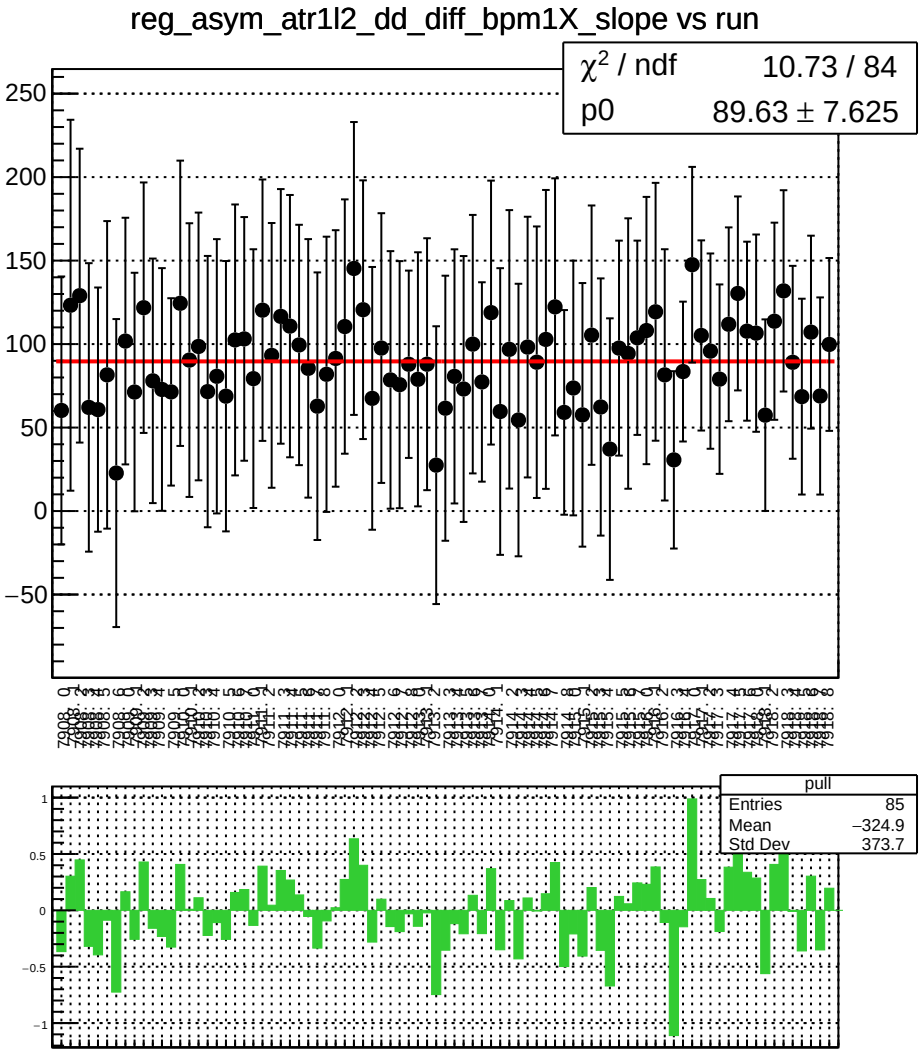

pull1D
Entries 85
Mean 0.01575
Std Dev 0.3003

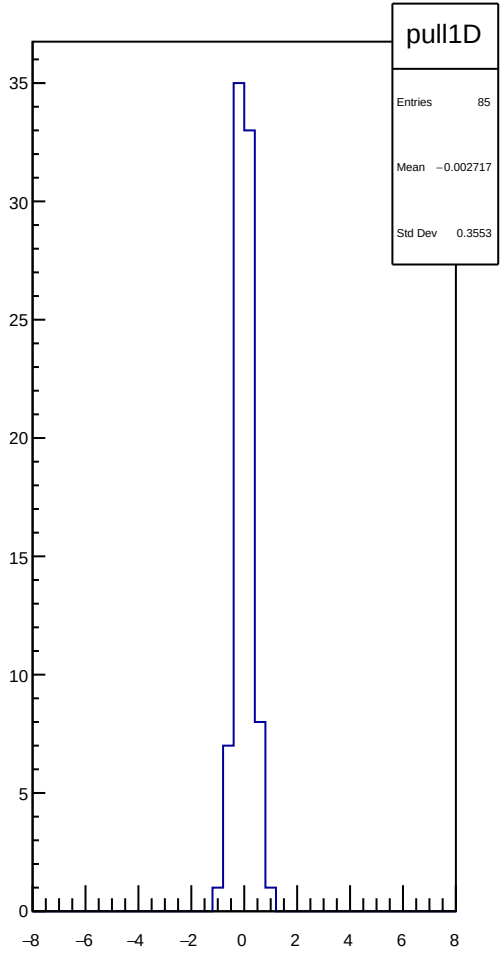

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.494 / 84
p0 14.88 ± 12.52
pull
Entries 85
Mean −111.2
Std Dev 151.8

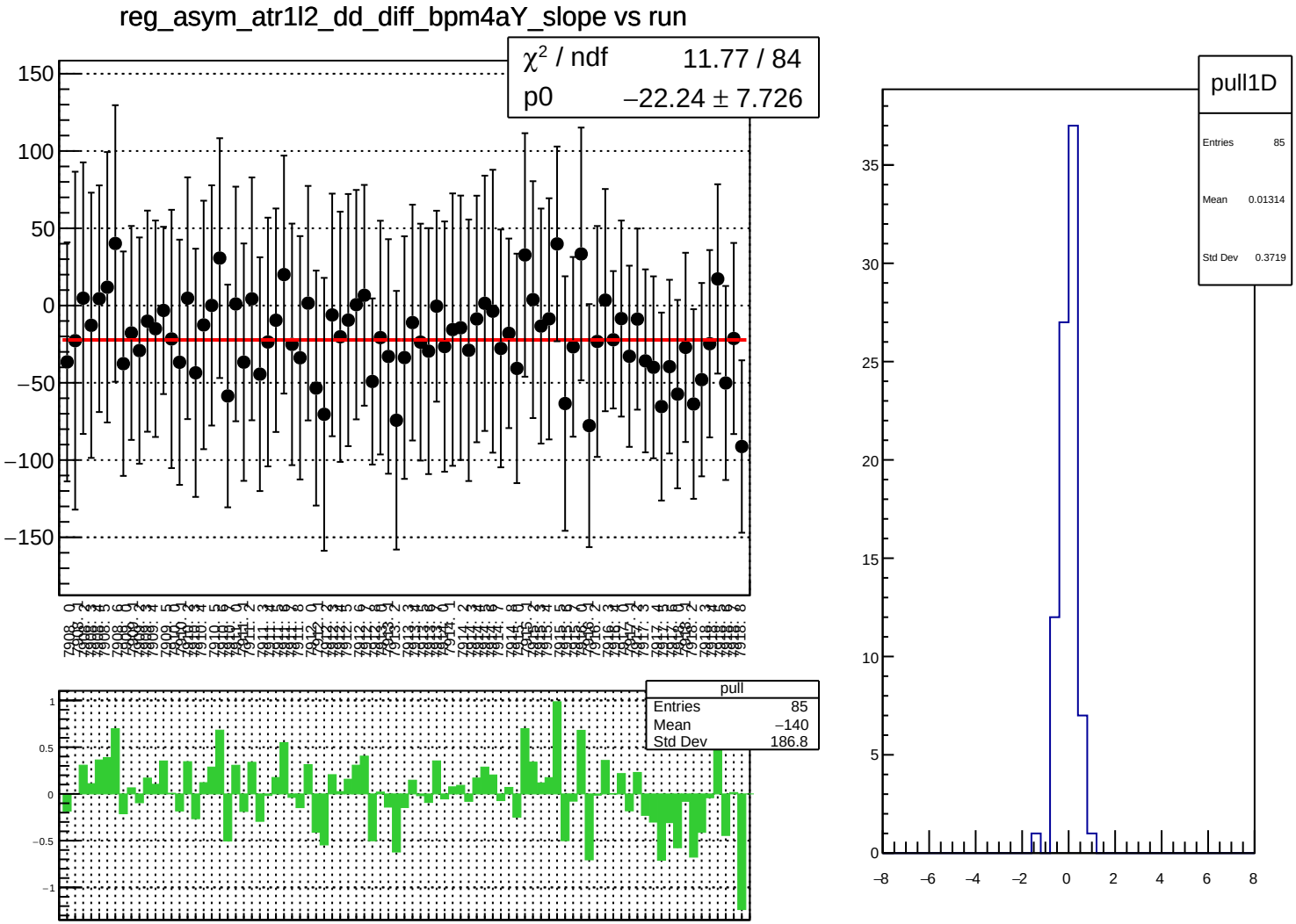

pull1D
Entries 85
Mean 0.002299
Std Dev 0.2542

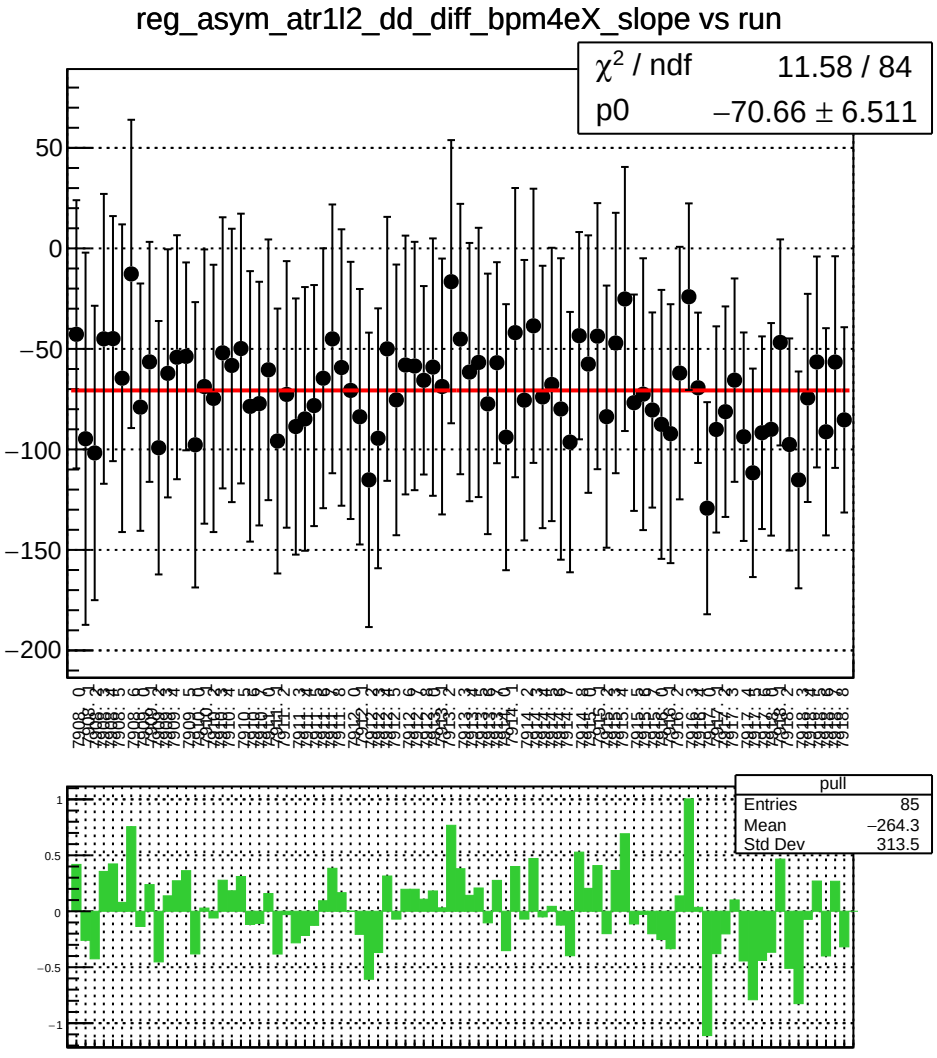

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 191.8 / 84
p0 −156.9 ± 0.374
pull
Entries 85
Mean −35.66
Std Dev 84.55

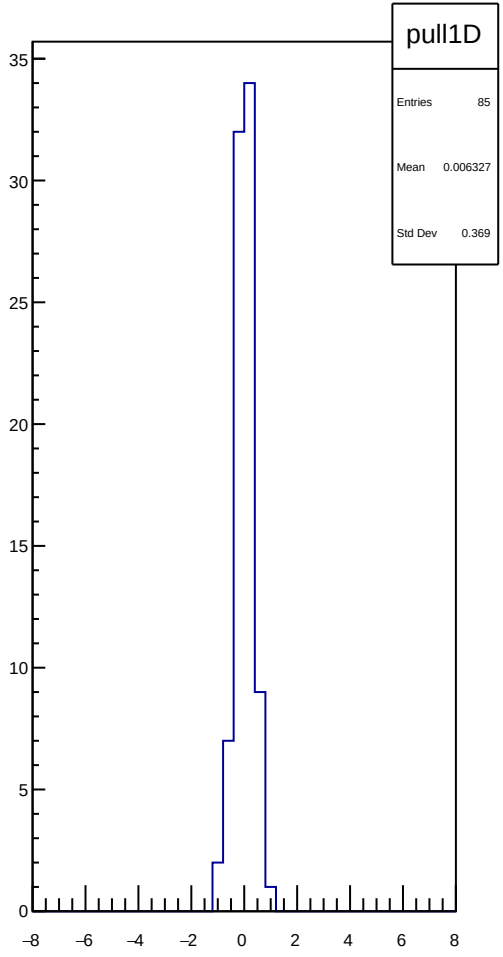

pull1D
Entries 85
Mean −0.2137
Std Dev 1.487

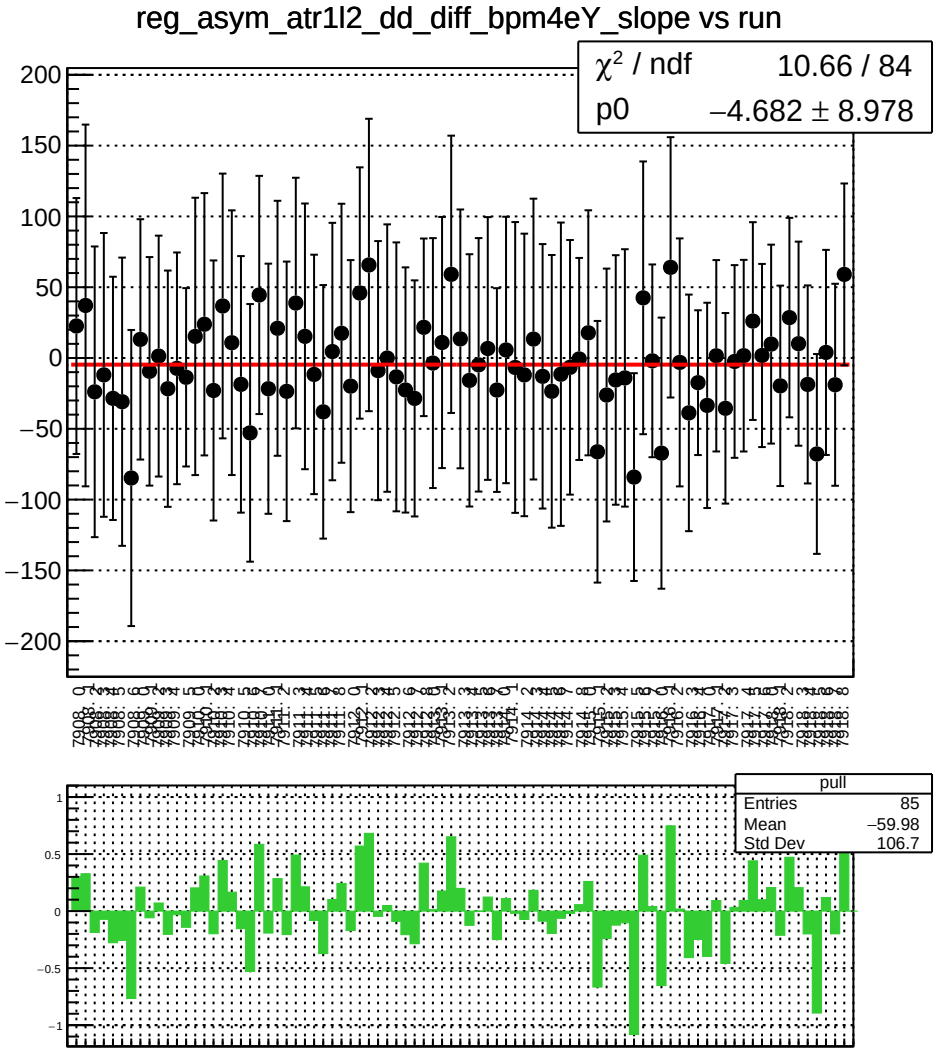

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 10.73 / 84
p0 89.63 ± 7.625
pull
Entries 85
Mean −324.9
Std Dev 373.7

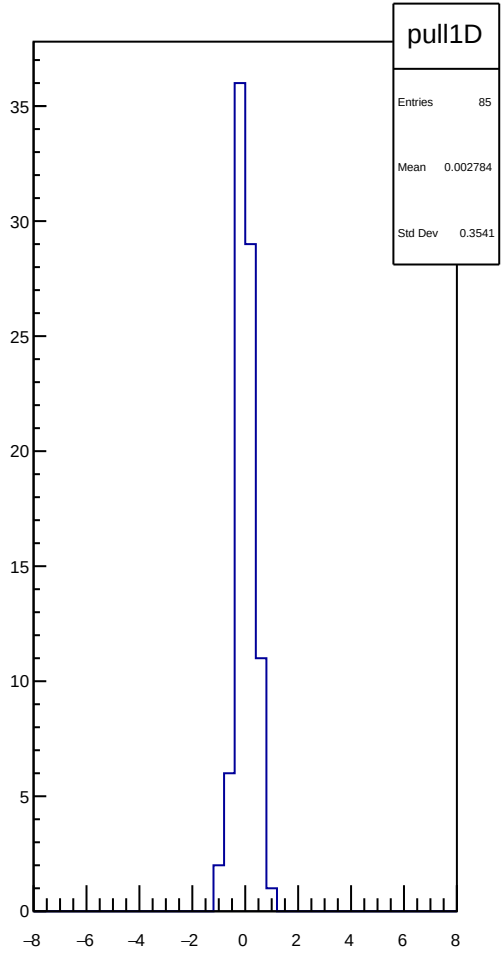

pull1D
Entries 85
Mean −0.002717
Std Dev 0.3553

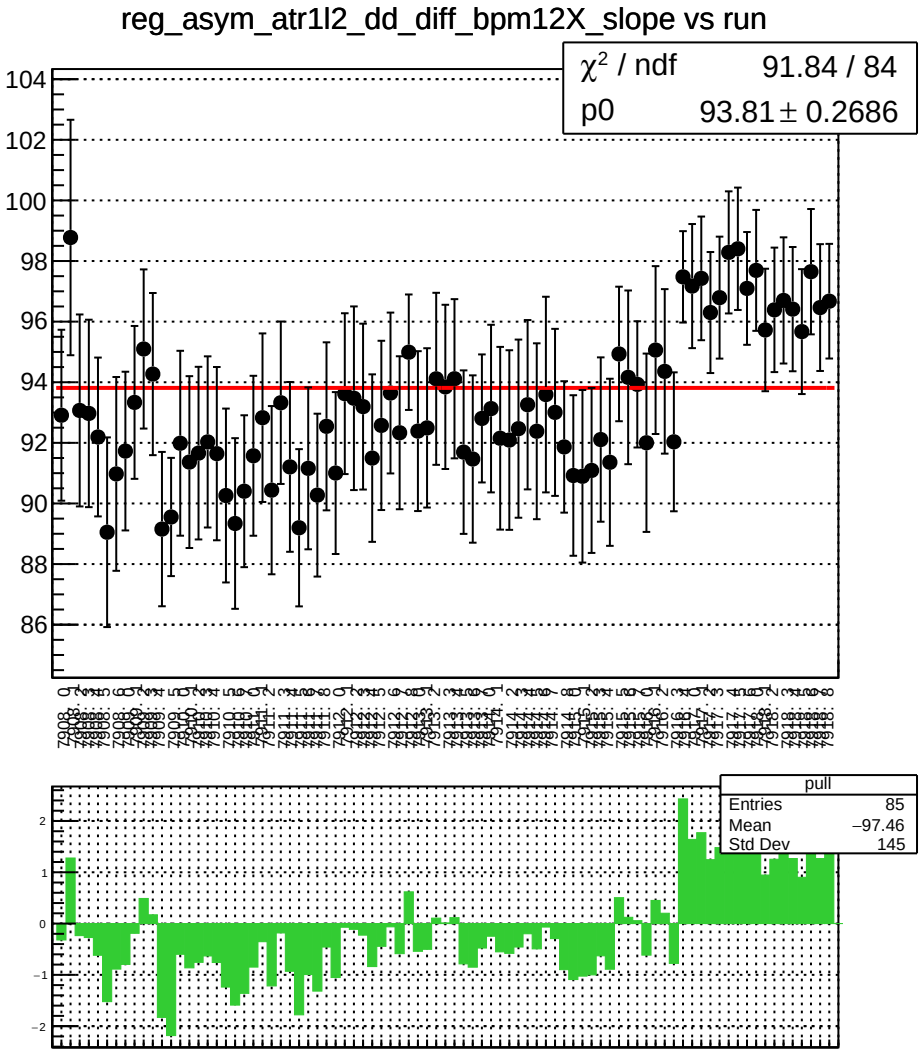

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.77 / 84
p0 −22.24 ± 7.726
pull
Entries 85
Mean −140
Std Dev 186.8
pull1D
Entries 85
Mean 0.01314
Std Dev 0.3719

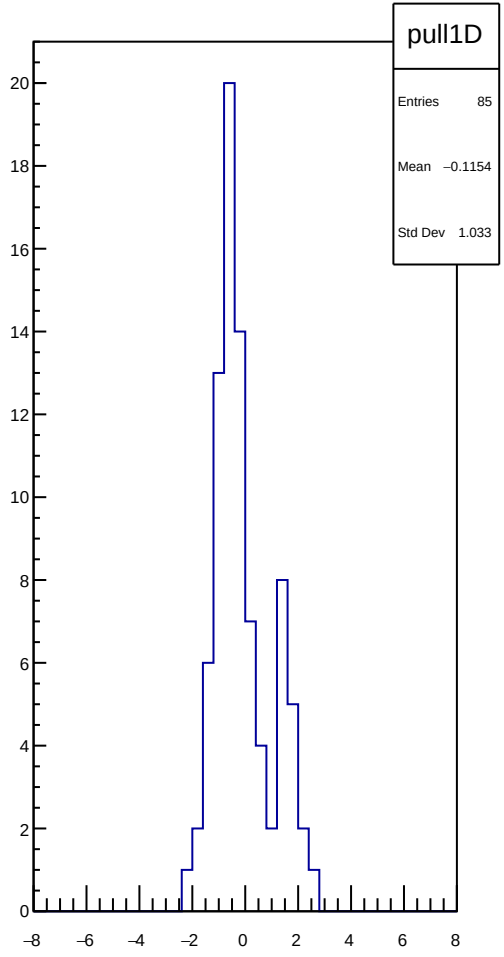

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.58 / 84
p0 −70.66 ± 6.511
pull
Entries 85
Mean −264.3
Std Dev 313.5

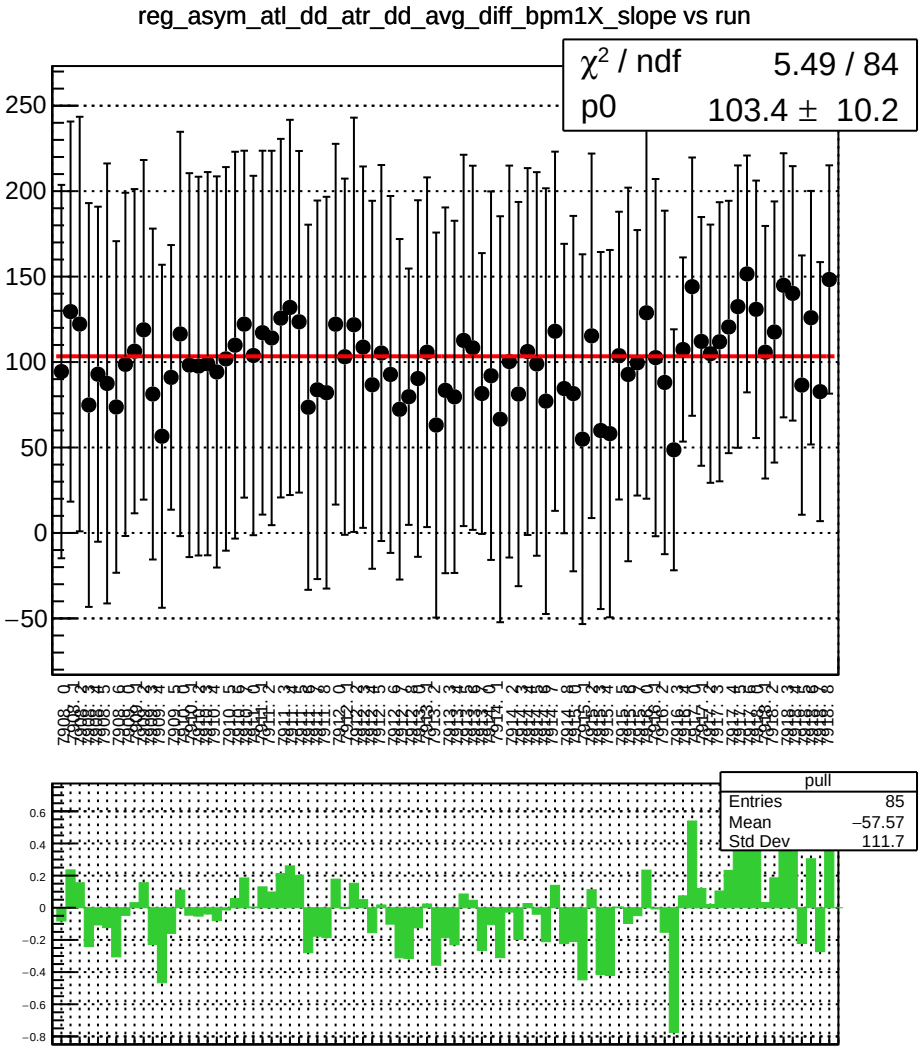

pull1D
Entries 85
Mean 0.006327
Std Dev 0.369

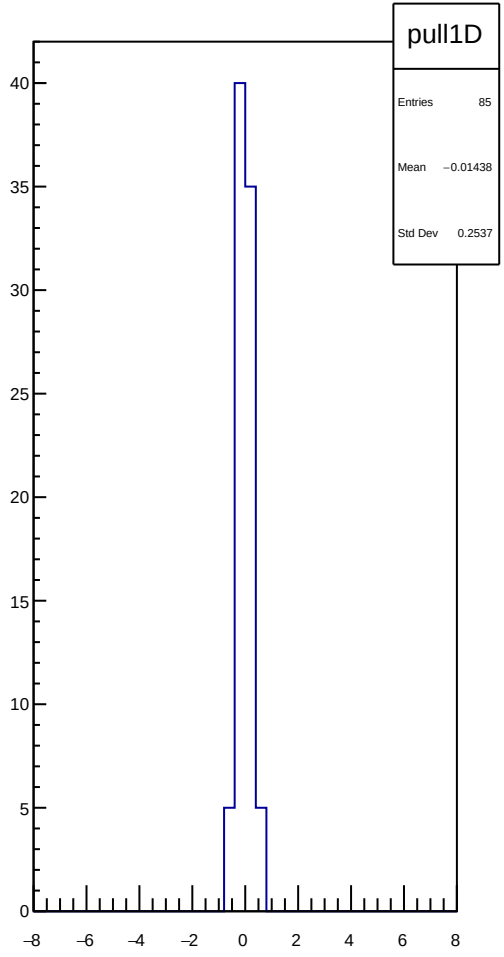

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.66 / 84
p0 −4.682 ± 8.978
pull
Entries 85
Mean −59.98
Std Dev 106.7

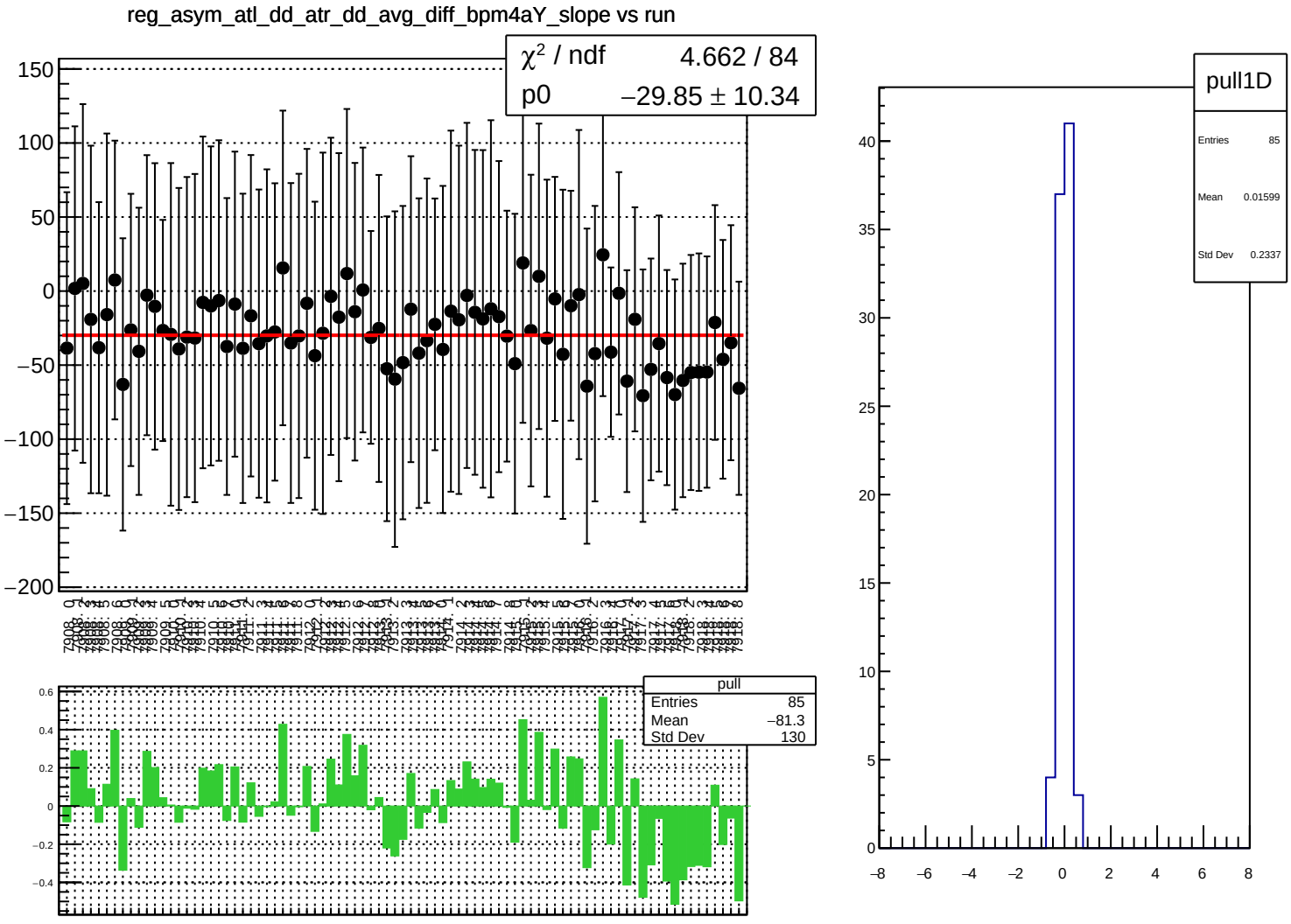

pull1D
Entries 85
Mean 0.002784
Std Dev 0.3541

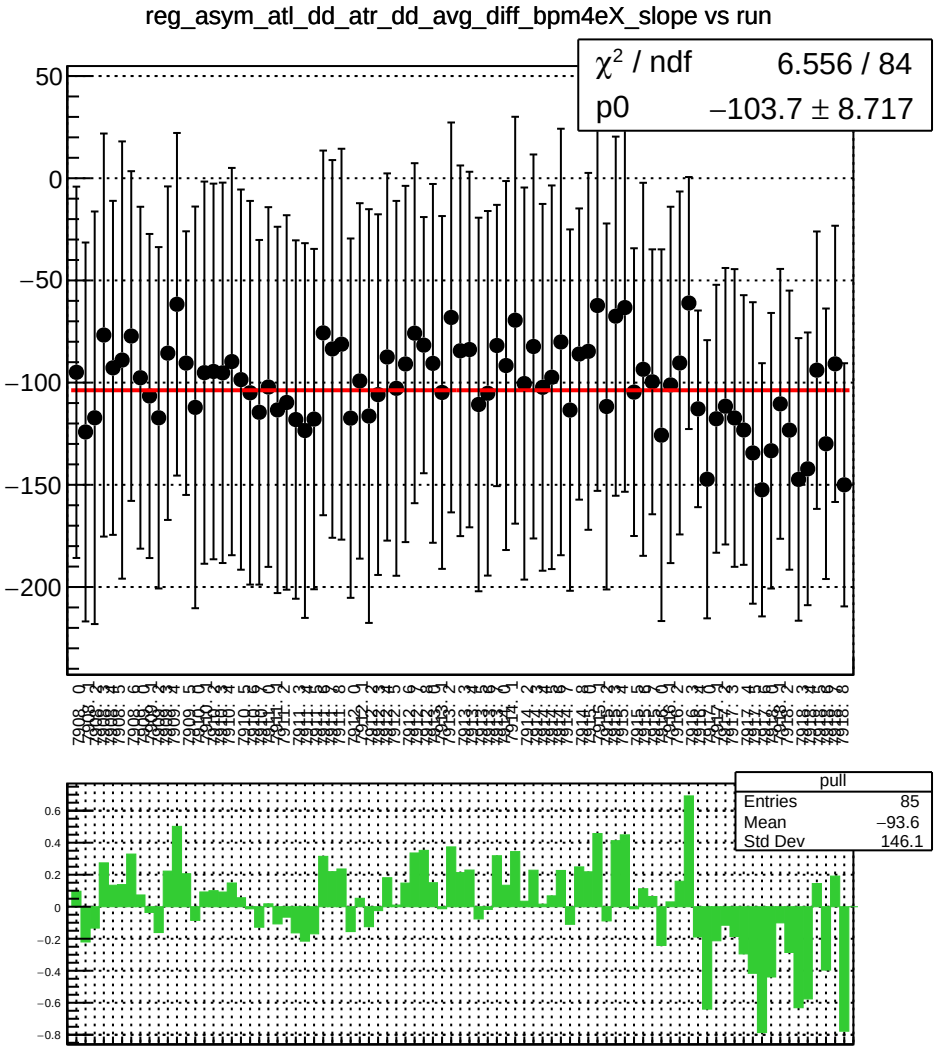

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 91.84 / 84
p0 93.81 ± 0.2686
pull
Entries 85
Mean −97.46
Std Dev 145

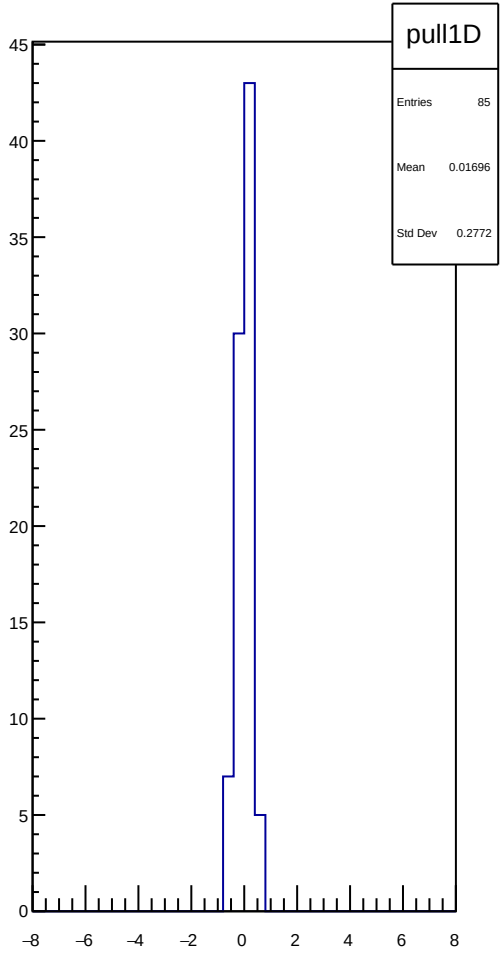

pull1D
Entries 85
Mean −0.1154
Std Dev 1.033

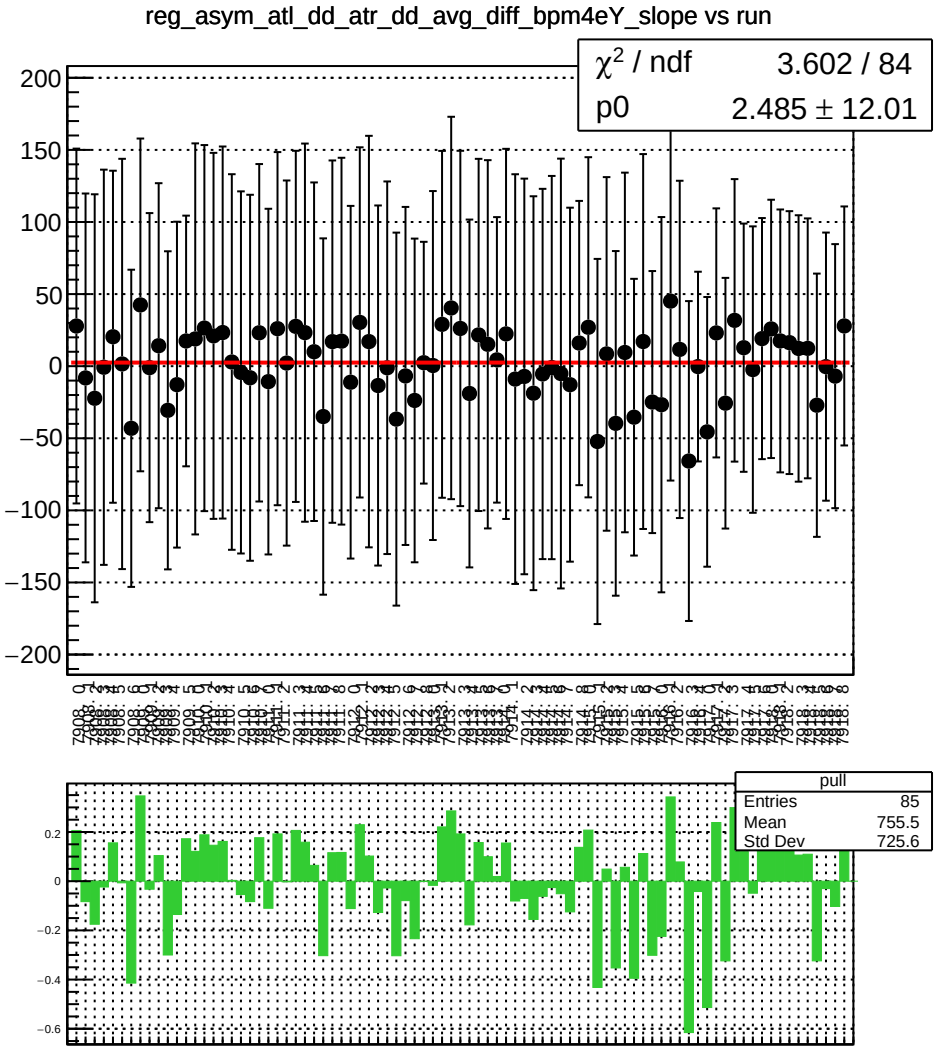

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 5.49 / 84
p0 103.4 ± 10.2
pull
Entries 85
Mean −57.57
Std Dev 111.7

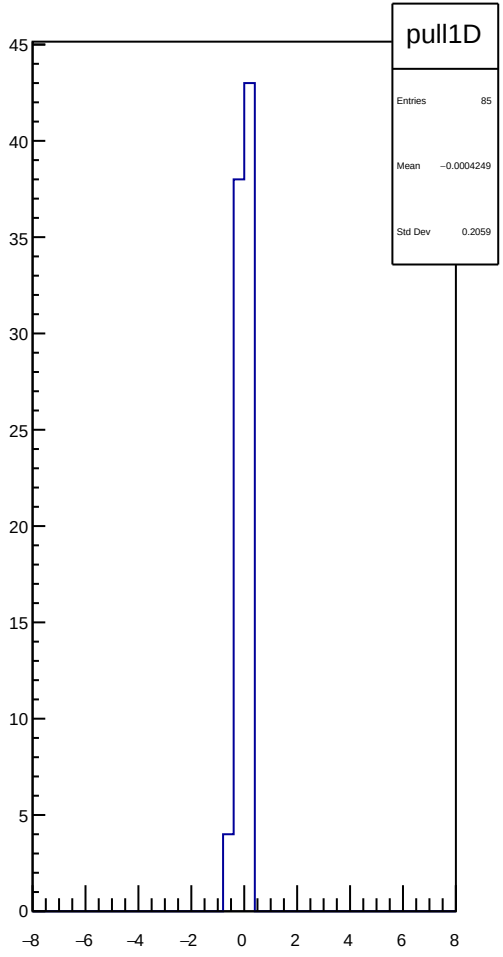

pull1D
Entries 85
Mean −0.01438
Std Dev 0.2537

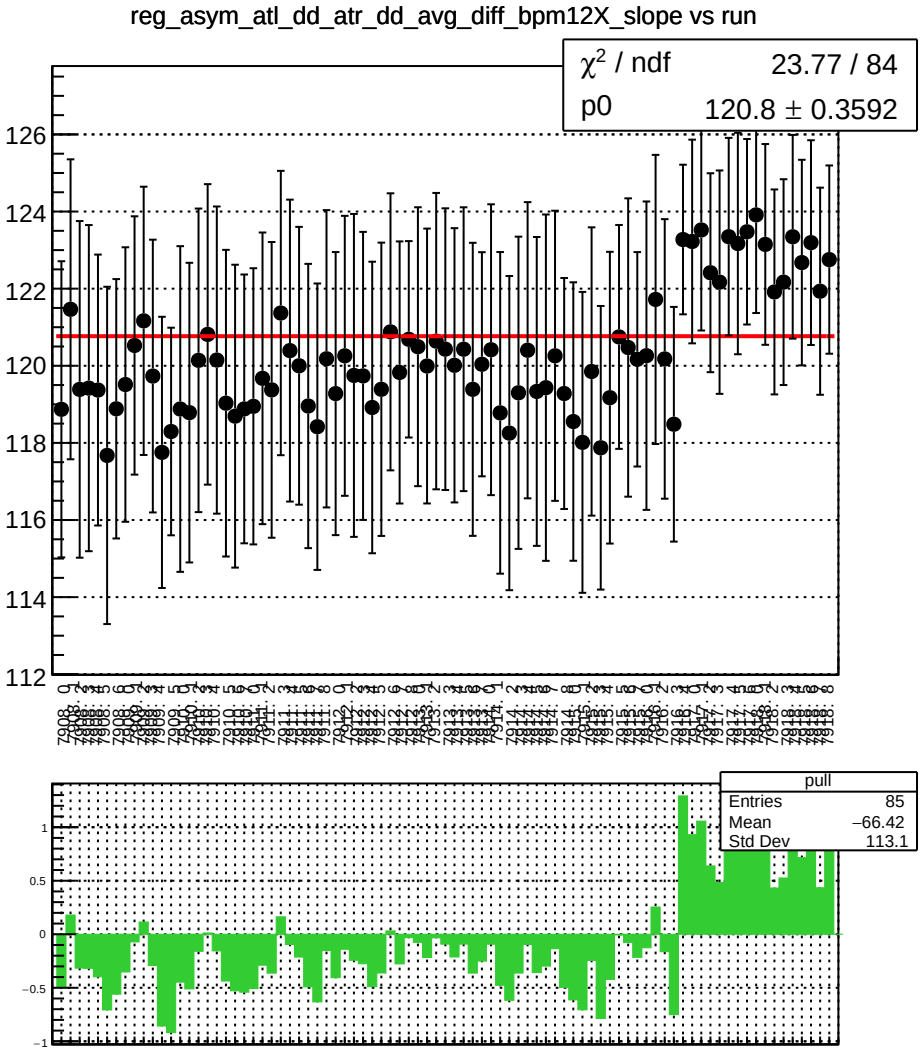

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.662 / 84
p0 −29.85 ± 10.34
pull
Entries 85
Mean −81.3
Std Dev 130
pull1D
Entries 85
Mean 0.01599
Std Dev 0.2337

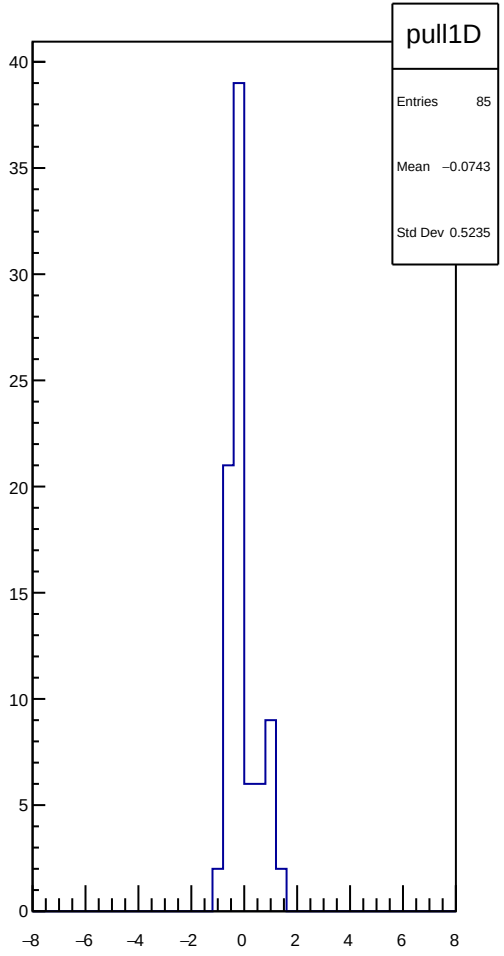

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.556 / 84
p0 −103.7 ± 8.717
pull
Entries 85
Mean −93.6
Std Dev 146.1

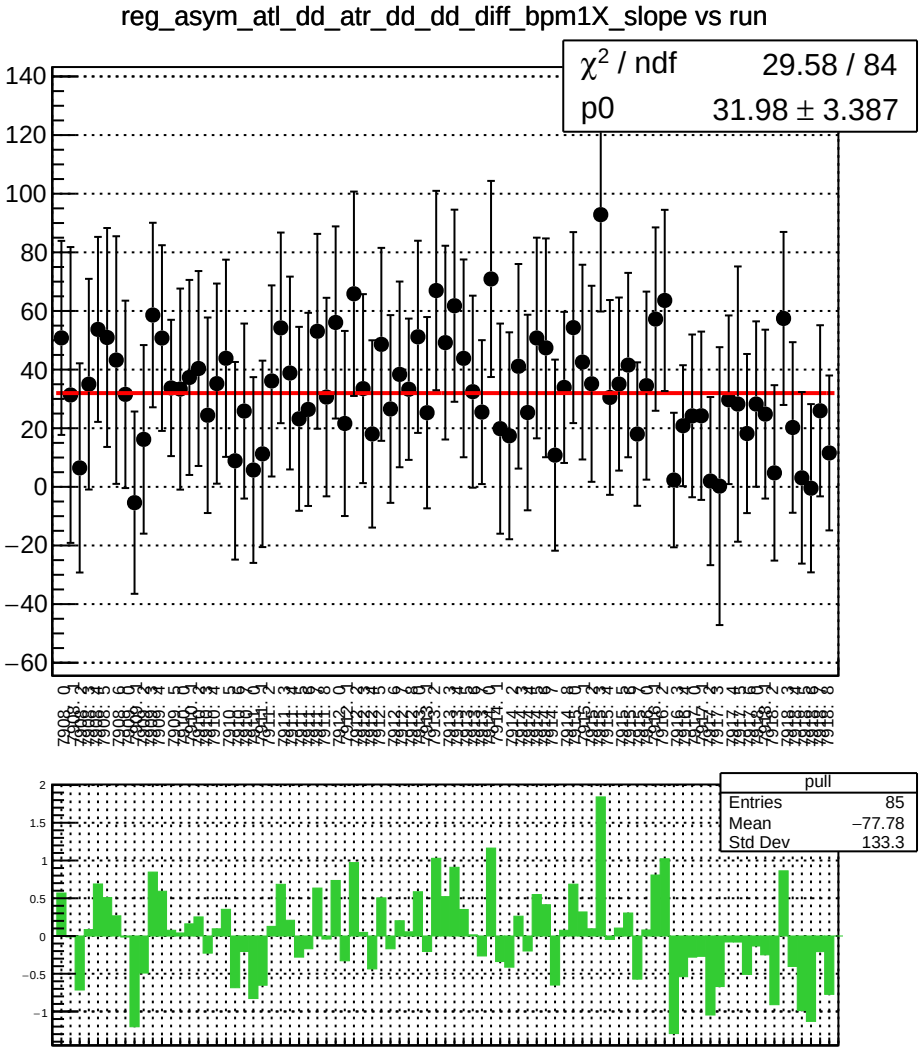

pull1D
Entries 85
Mean 0.01696
Std Dev 0.2772

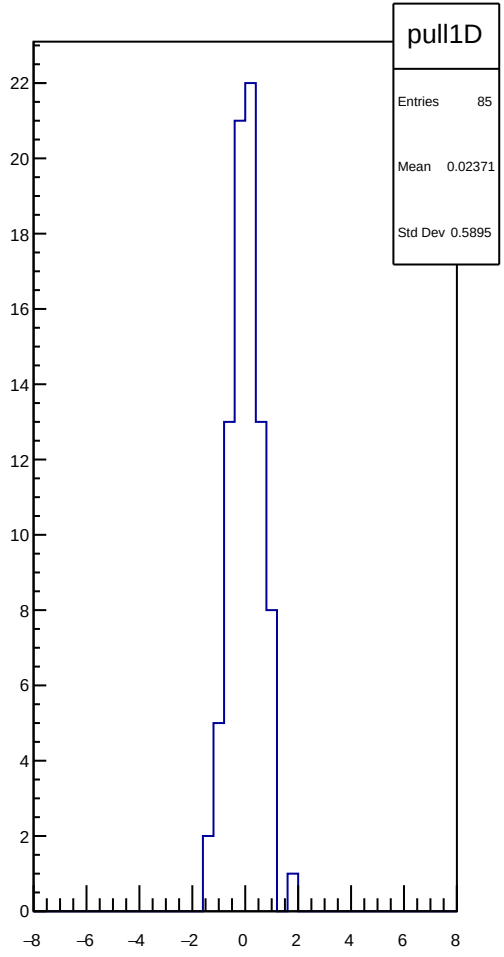

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.602 / 84
p0 2.485 ± 12.01
pull
Entries 85
Mean 755.5
Std Dev 725.6

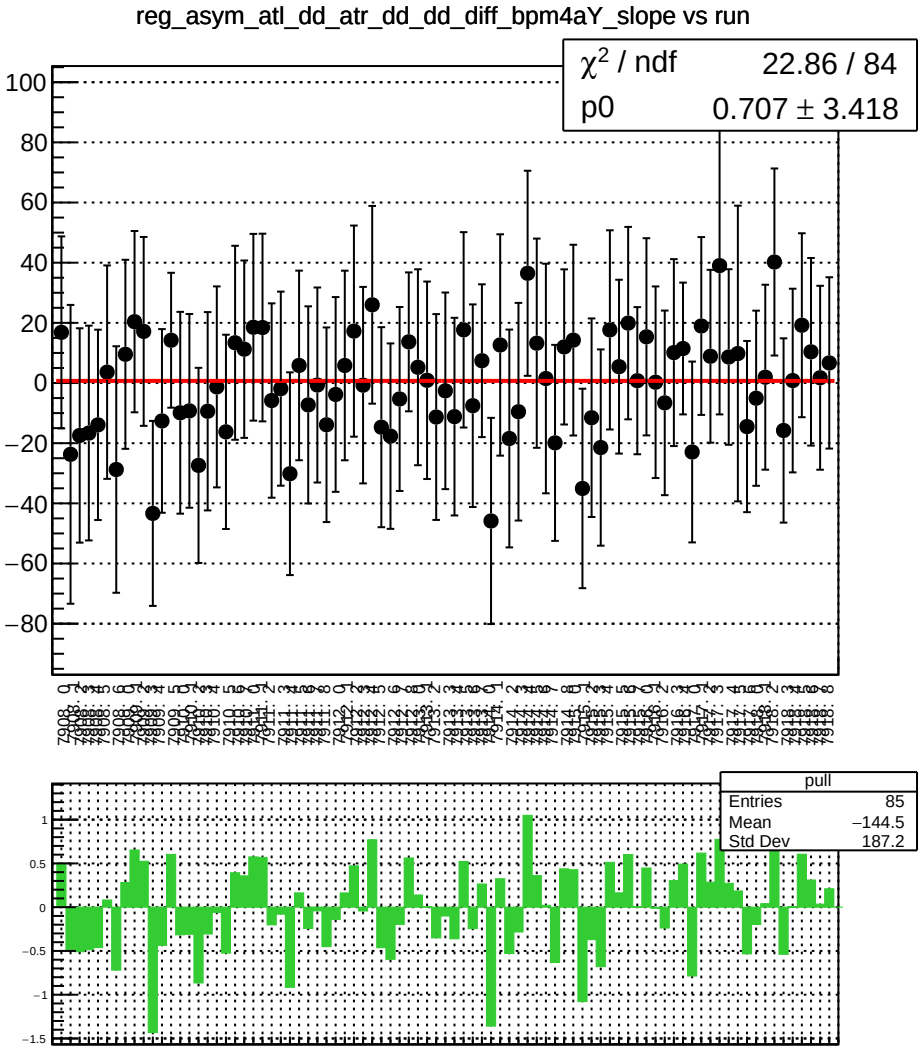

pull1D
Entries 85
Mean −0.0004249
Std Dev 0.2059

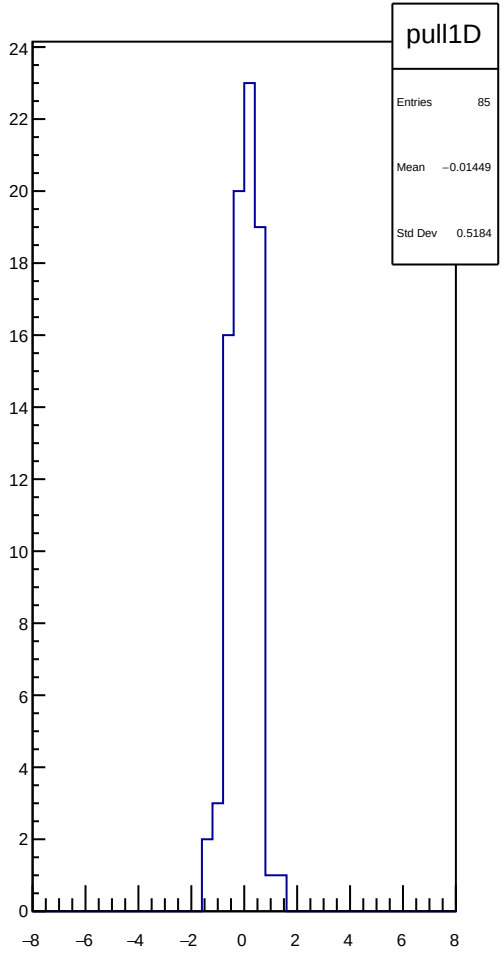

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 23.77 / 84
p0 120.8 ± 0.3592
pull
Entries 85
Mean −66.42
Std Dev 113.1

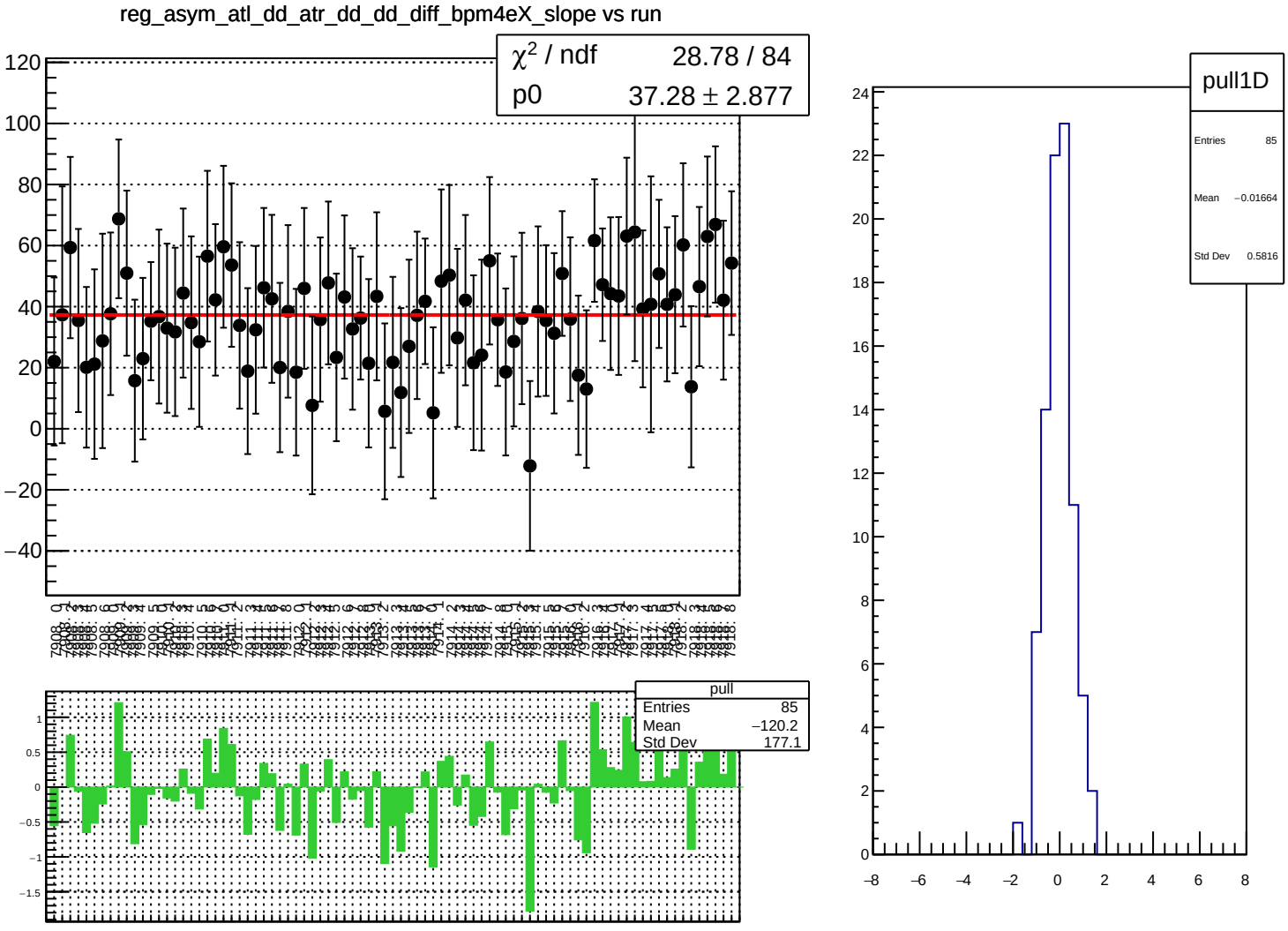

pull1D
Entries 85
Mean −0.0743
Std Dev 0.5235

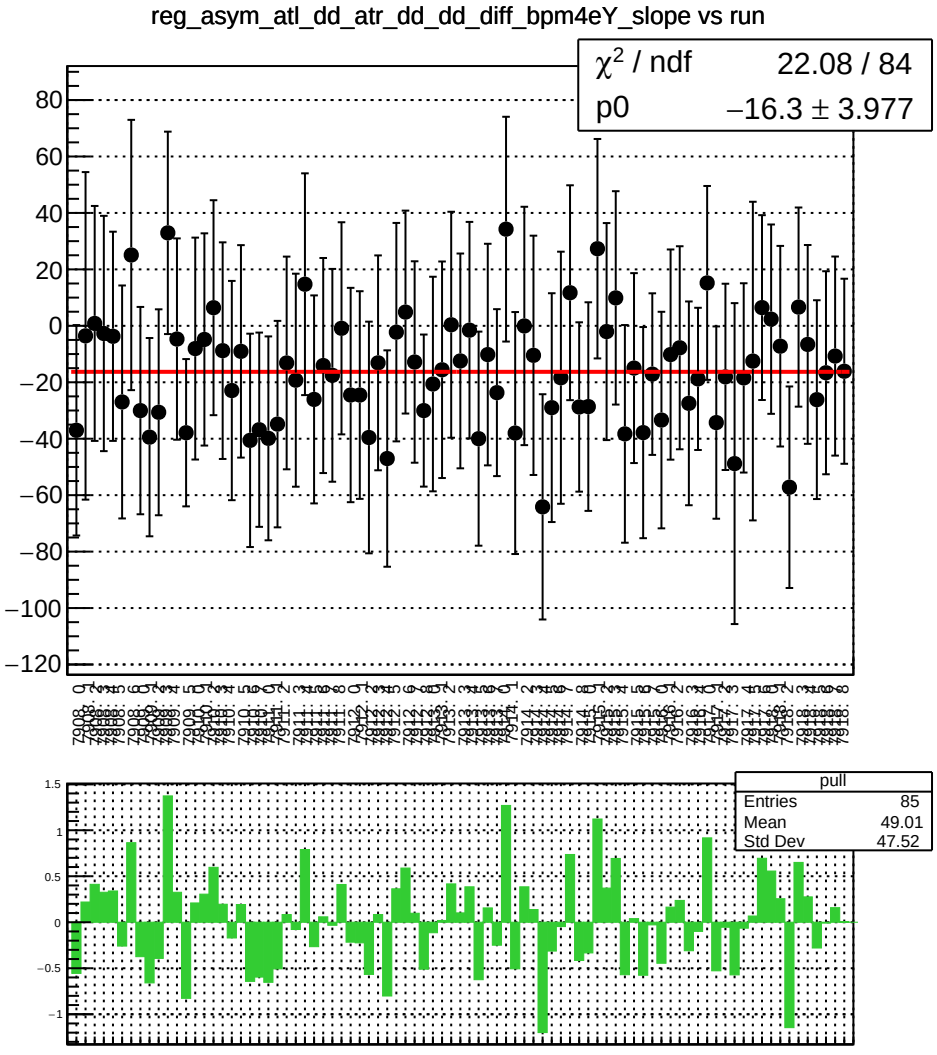

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 29.58 / 84
p0 31.98 ± 3.387
pull
Entries 85
Mean −77.78
Std Dev 133.3

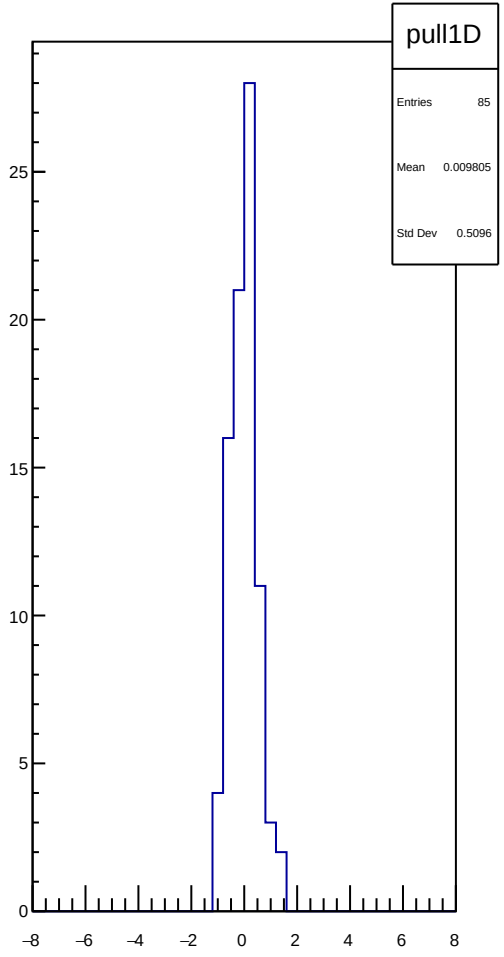

pull1D
Entries 85
Mean 0.02371
Std Dev 0.5895

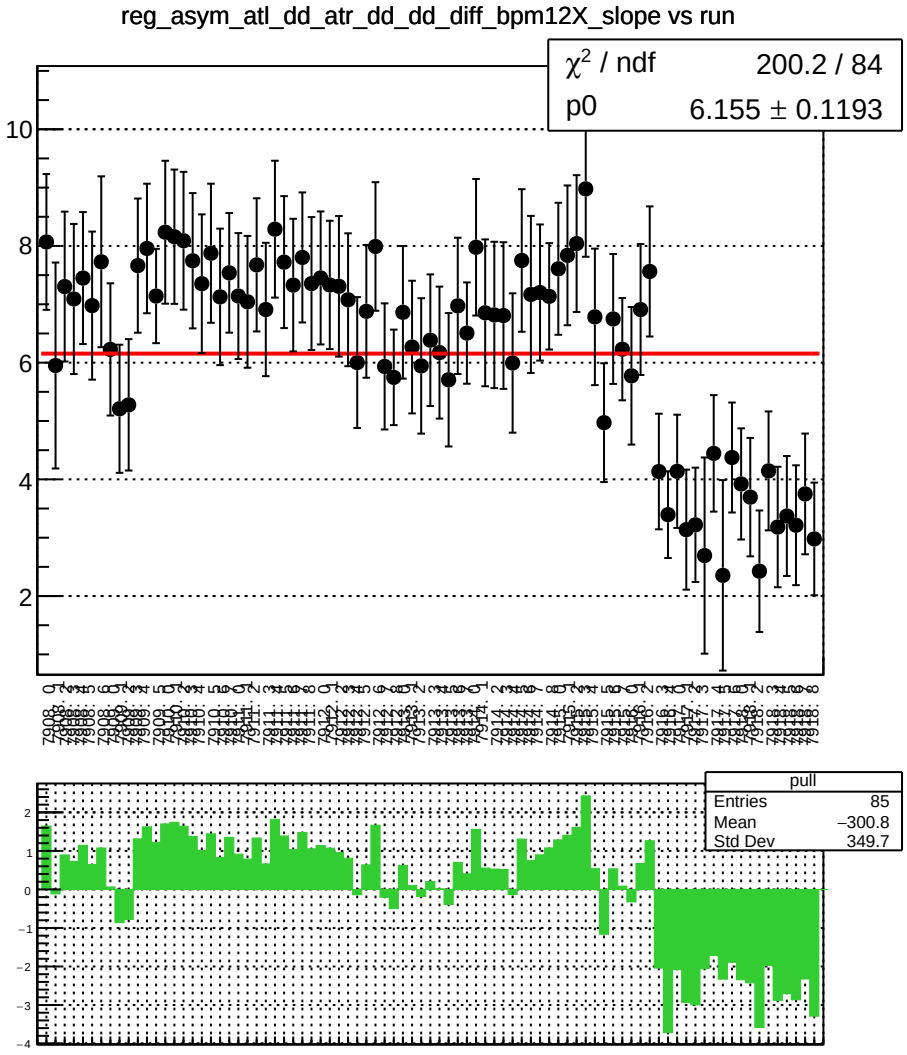

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.86 / 84
p0 0.707 ± 3.418
pull
Entries 85
Mean −144.5
Std Dev 187.2

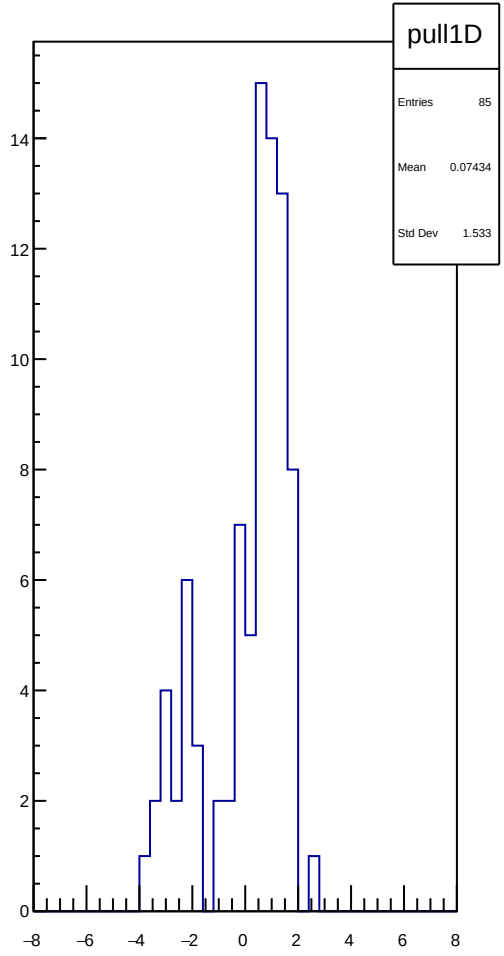

pull1D
Entries 85
Mean −0.01449
Std Dev 0.5184

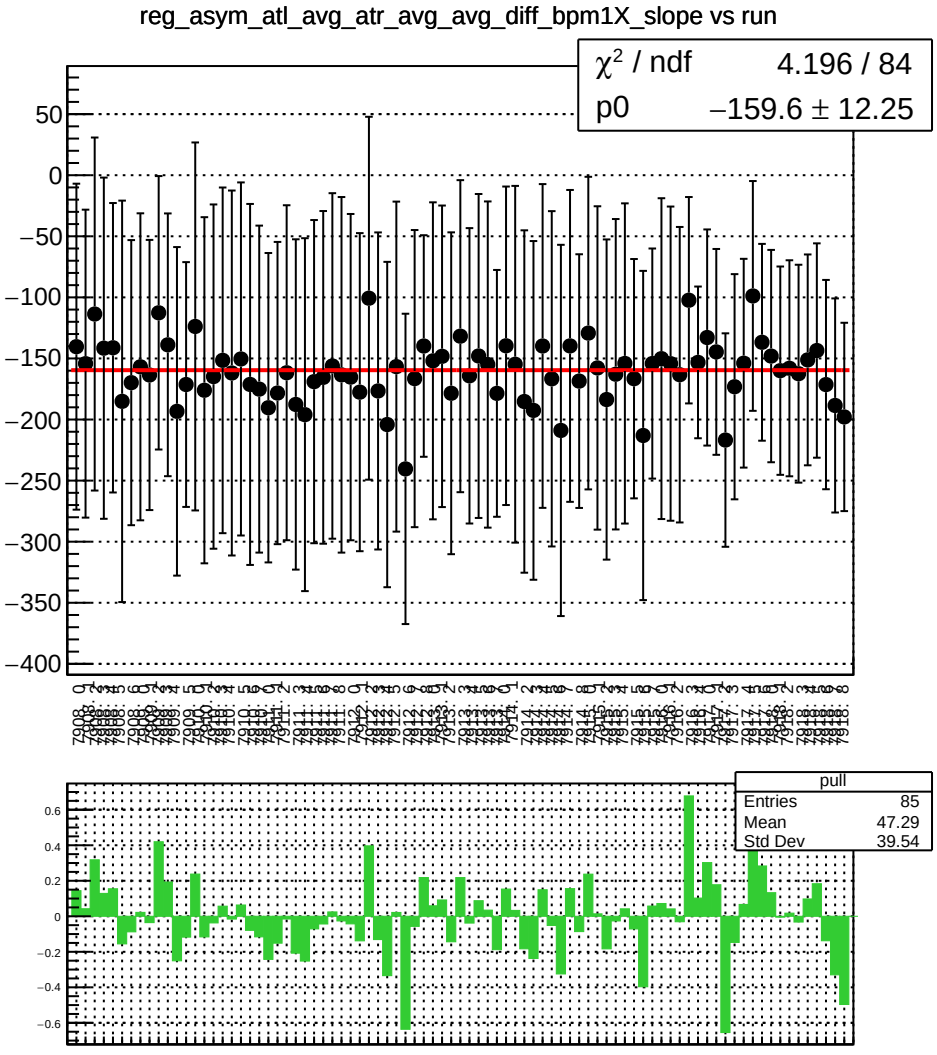

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.78 / 84
p0 37.28 ± 2.877
pull
Entries 85
Mean −120.2
Std Dev 177.1
pull1D
Entries 85
Mean −0.01664
Std Dev 0.5816

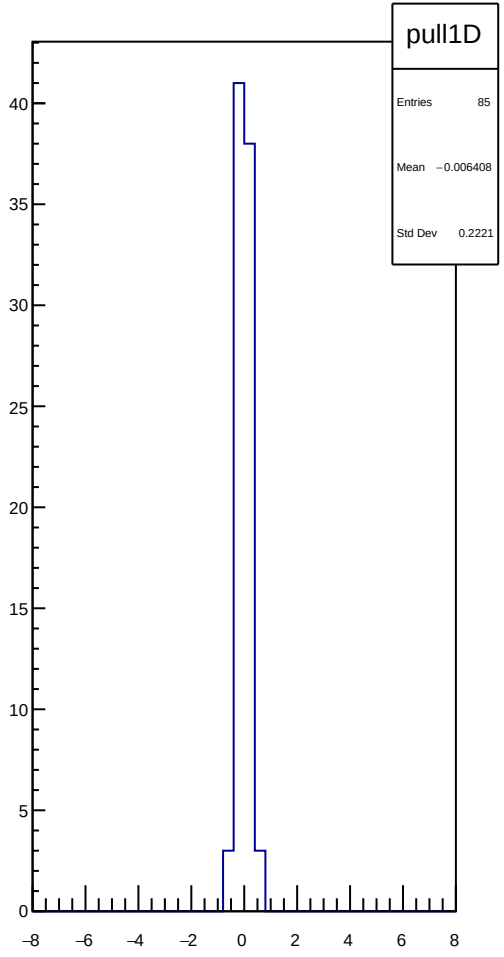

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 22.08 / 84
p0 −16.3 ± 3.977
pull
Entries 85
Mean 49.01
Std Dev 47.52

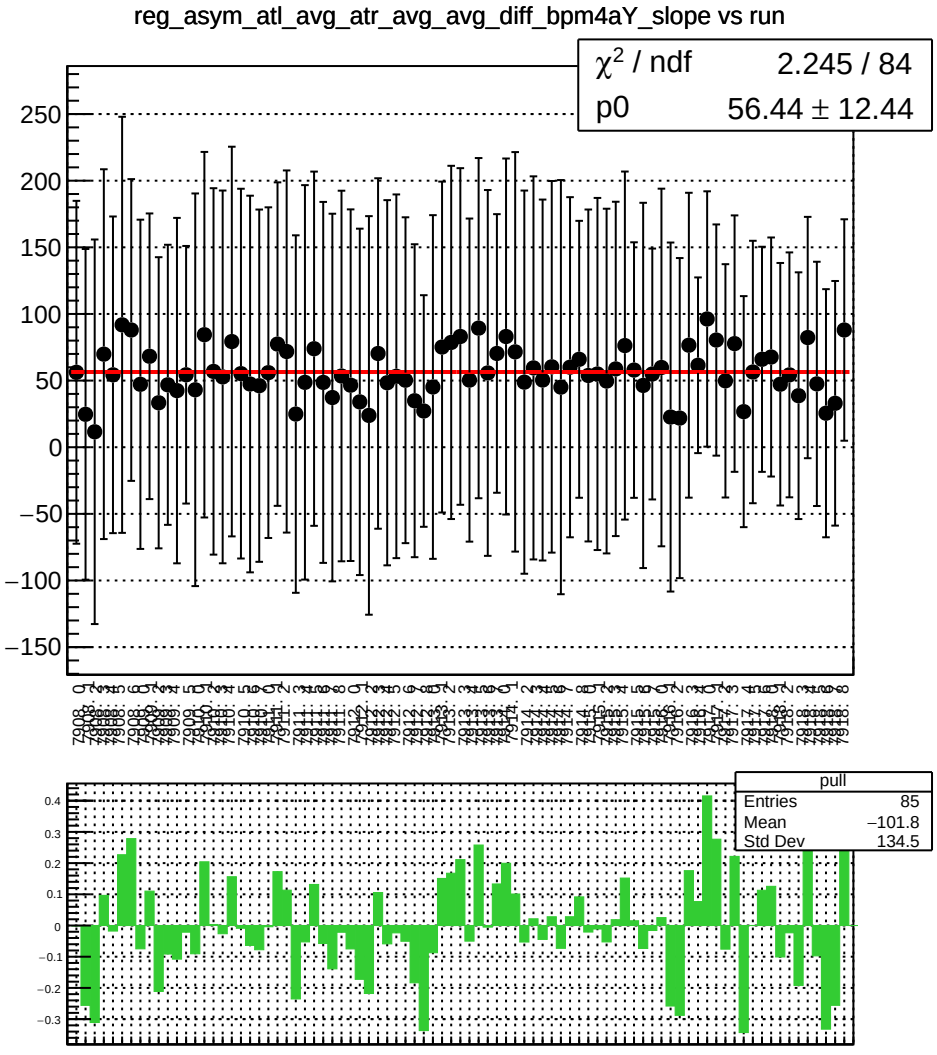

pull1D
Entries 85
Mean 0.009805
Std Dev 0.5096

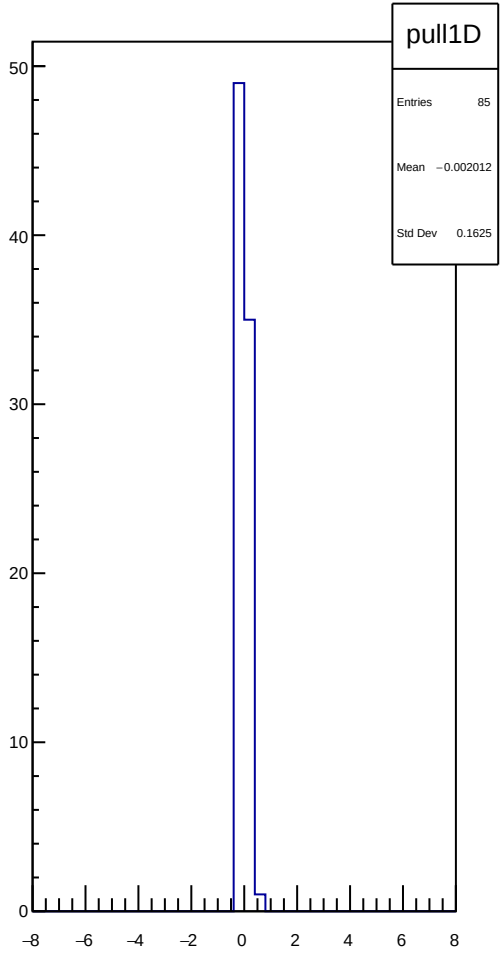

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 200.2 / 84
p0 6.155 ± 0.1193
pull
Entries 85
Mean −300.8
Std Dev 349.7

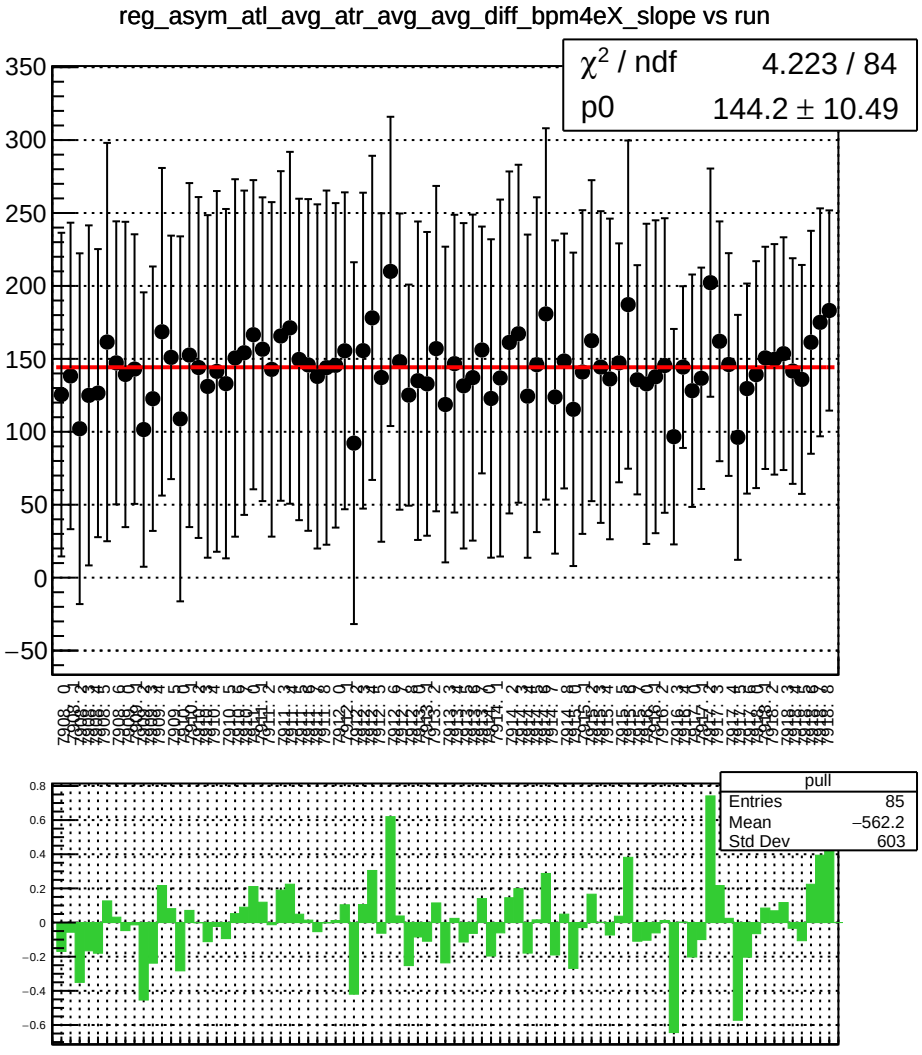

pull1D
Entries 85
Mean 0.07434
Std Dev 1.533

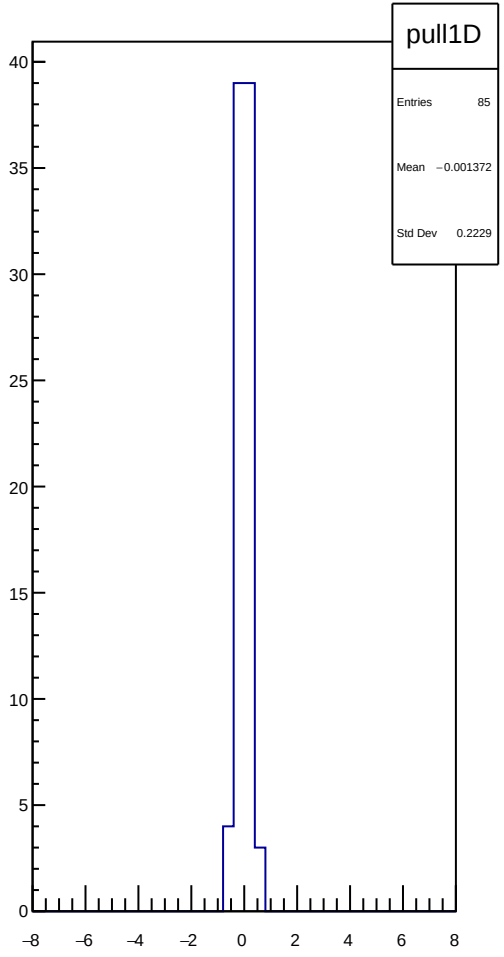

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 4.196 / 84
p0 −159.6 ± 12.25
pull
Entries 85
Mean 47.29
Std Dev 39.54

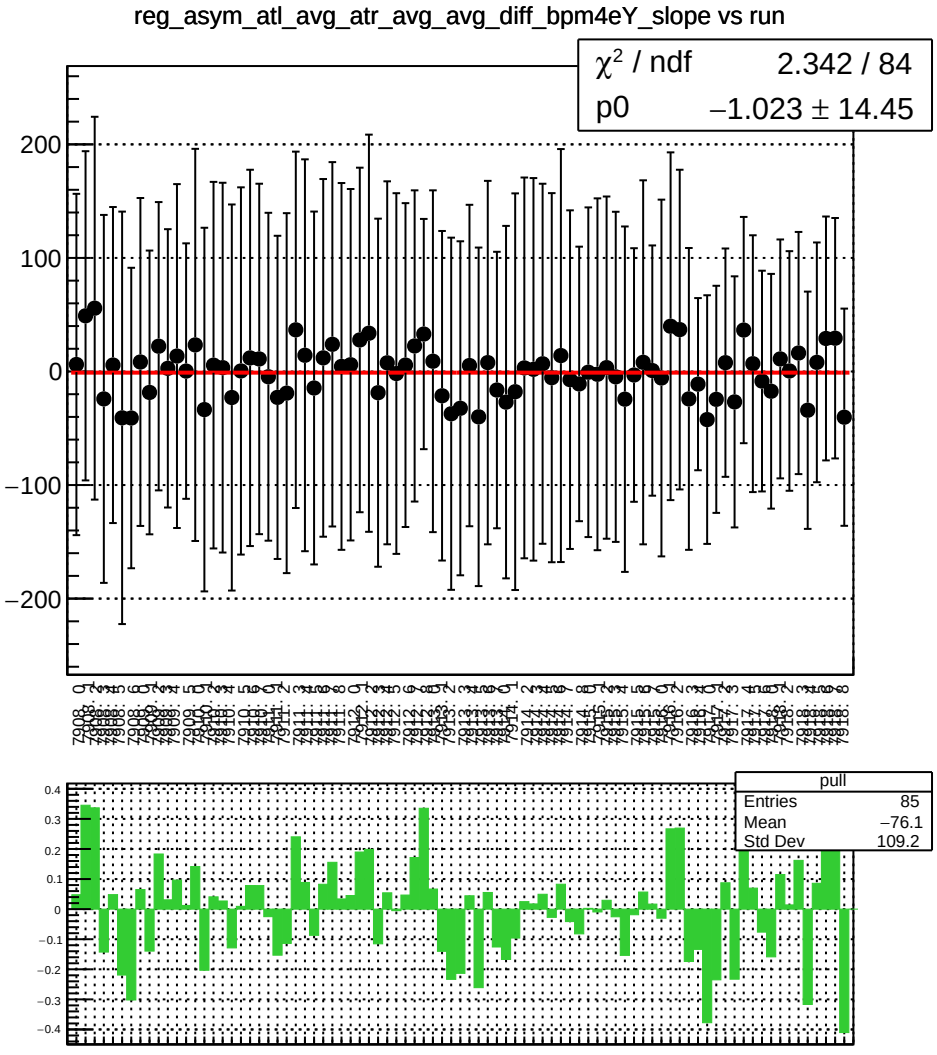

pull1D
Entries 85
Mean −0.006408
Std Dev 0.2221

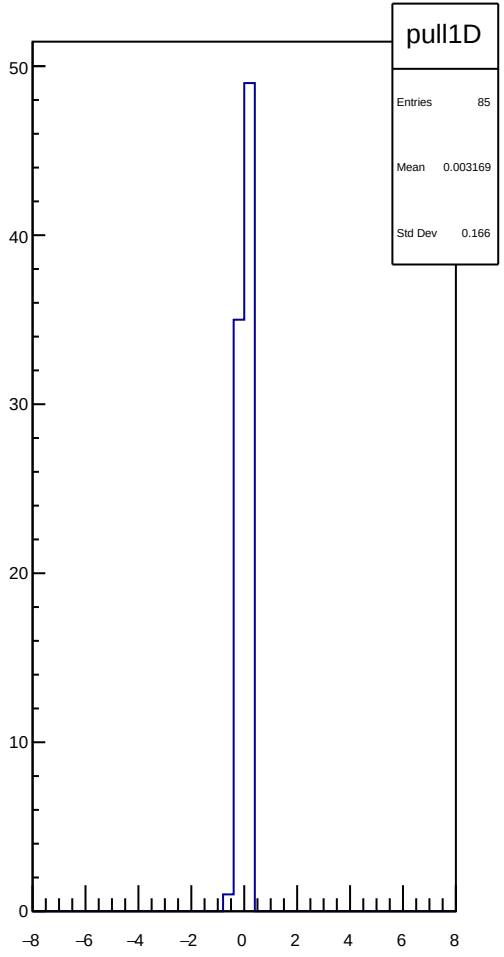

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.245 / 84
p0 56.44 ± 12.44
pull
Entries 85
Mean −101.8
Std Dev 134.5


pull1D
Entries 85
Mean −0.002012
Std Dev 0.1625

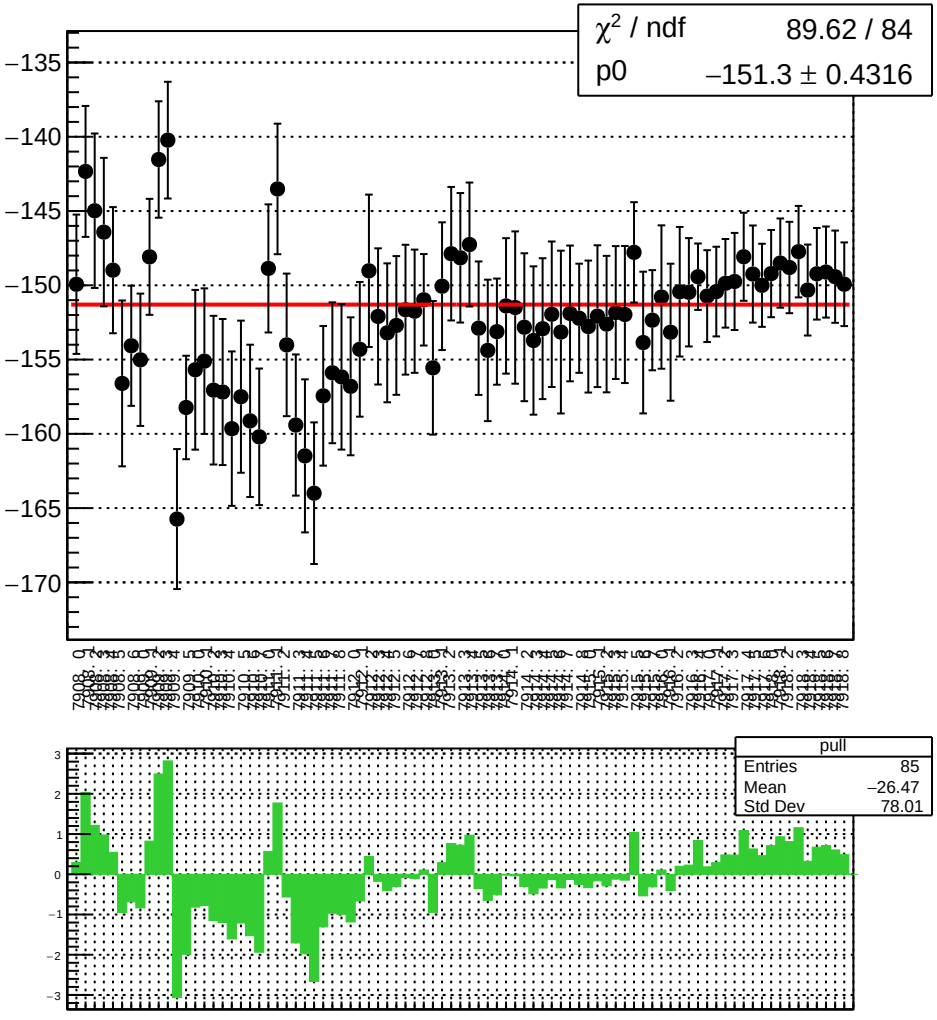

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.223 / 84
p0 144.2 ± 10.49
pull
Entries 85
Mean −562.2
Std Dev 603

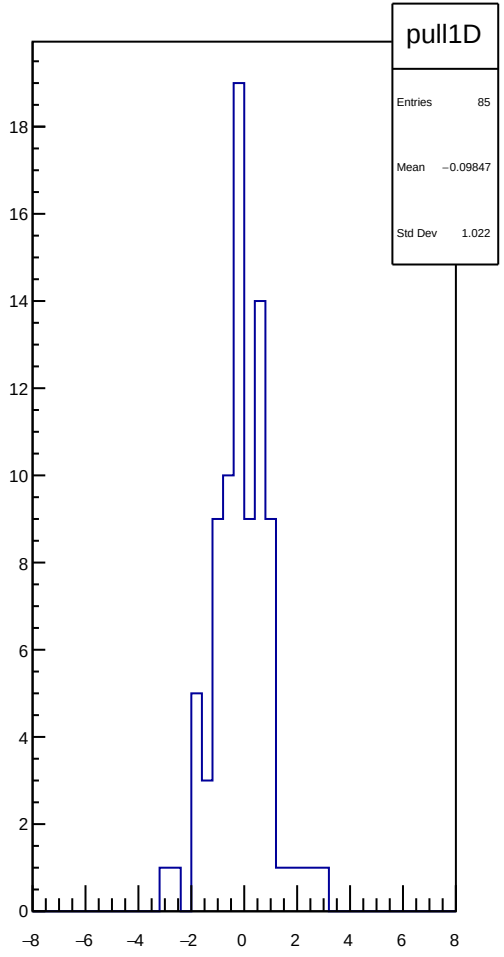

pull1D
Entries 85
Mean −0.001372
Std Dev 0.2229

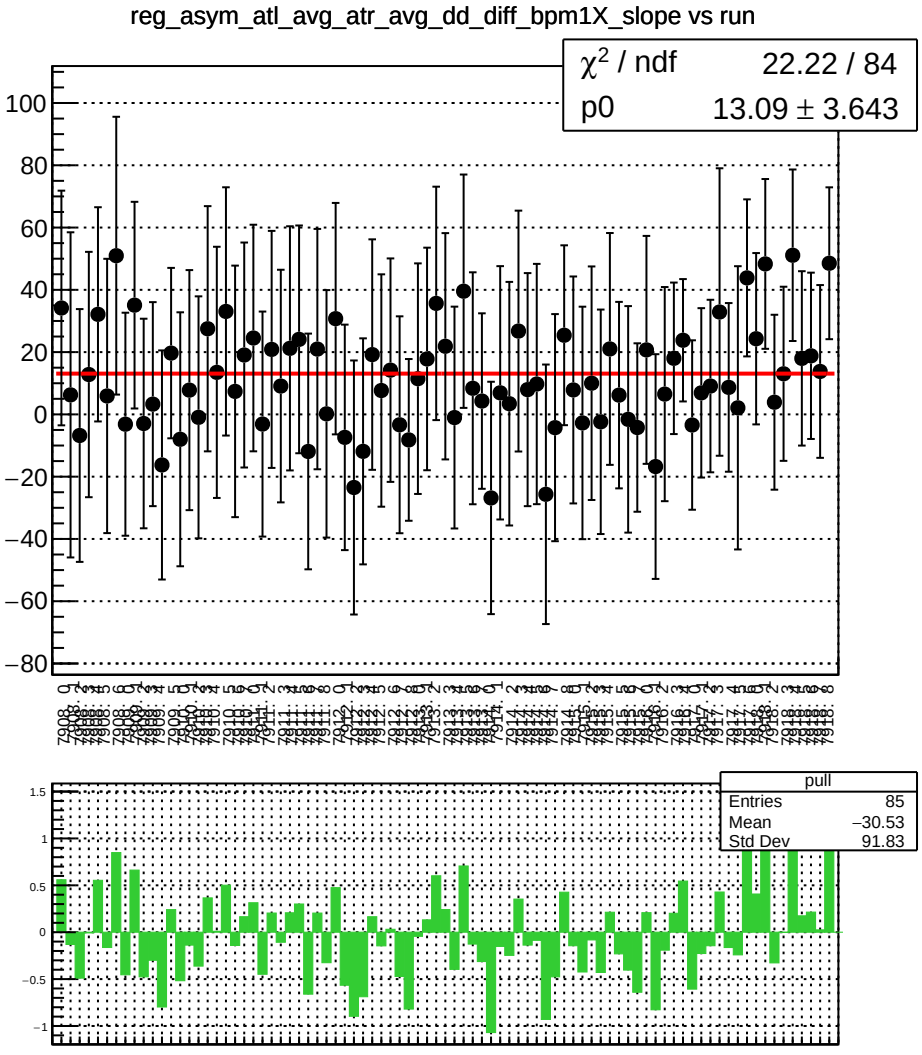

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.342 / 84
p0 −1.023 ± 14.45
pull
Entries 85
Mean −76.1
Std Dev 109.2

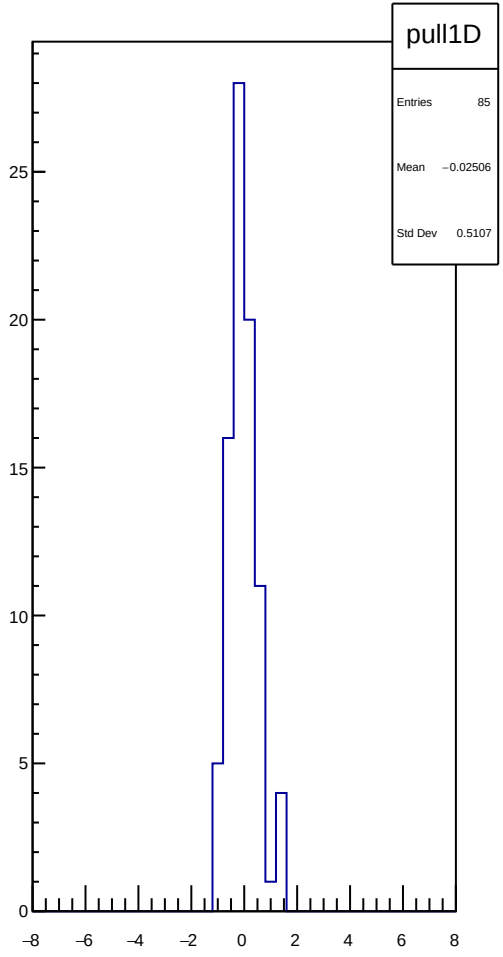

pull1D
Entries 85
Mean 0.003169
Std Dev 0.166

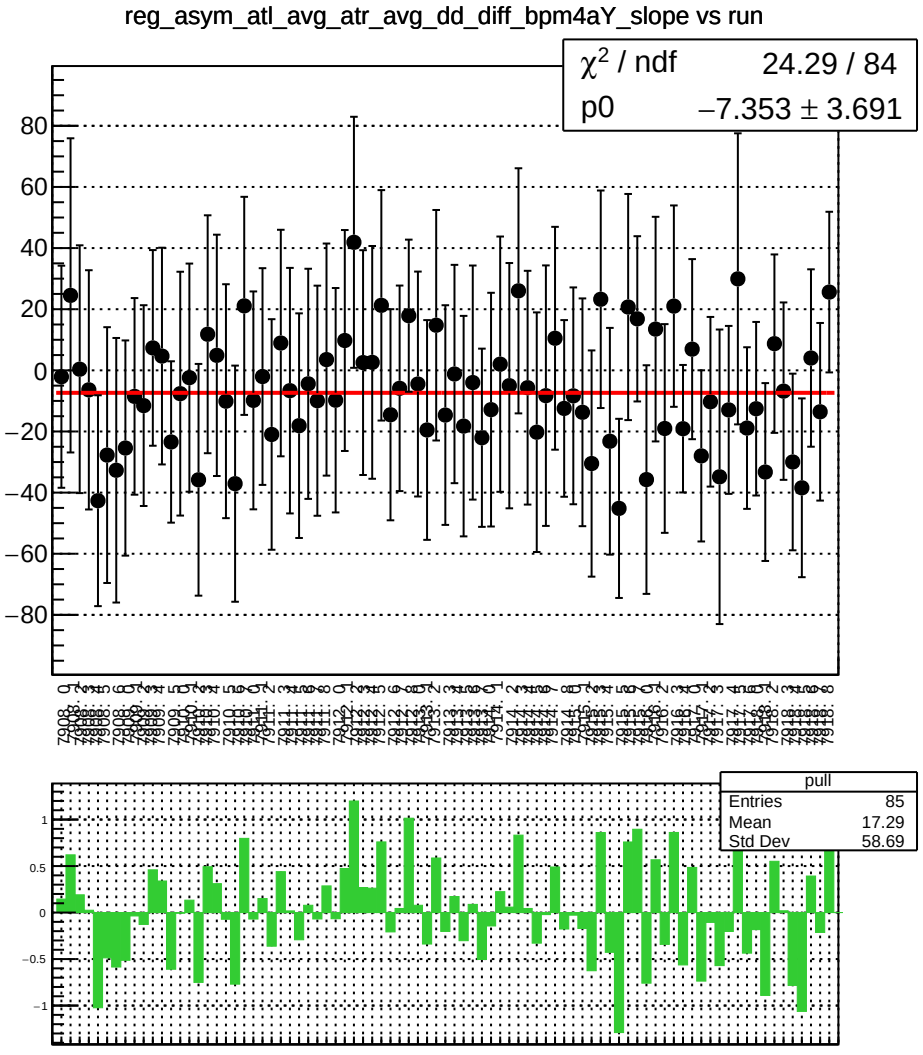
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

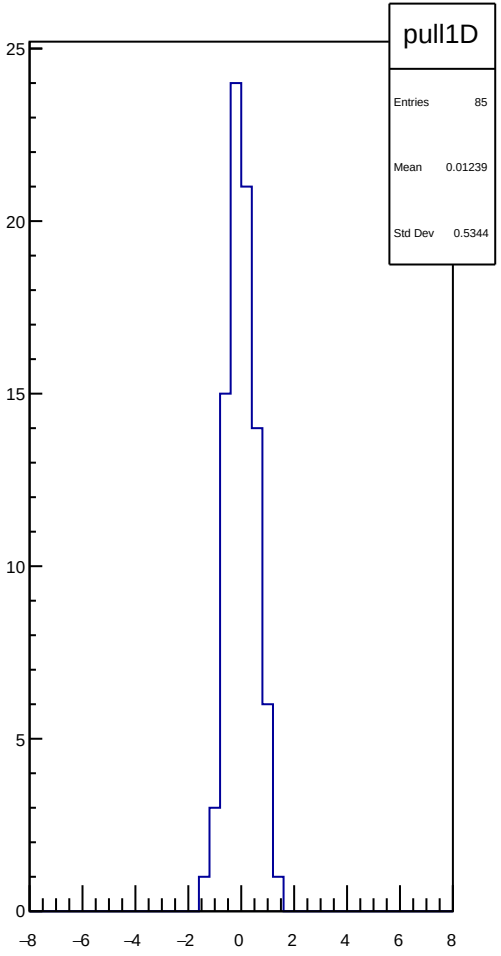


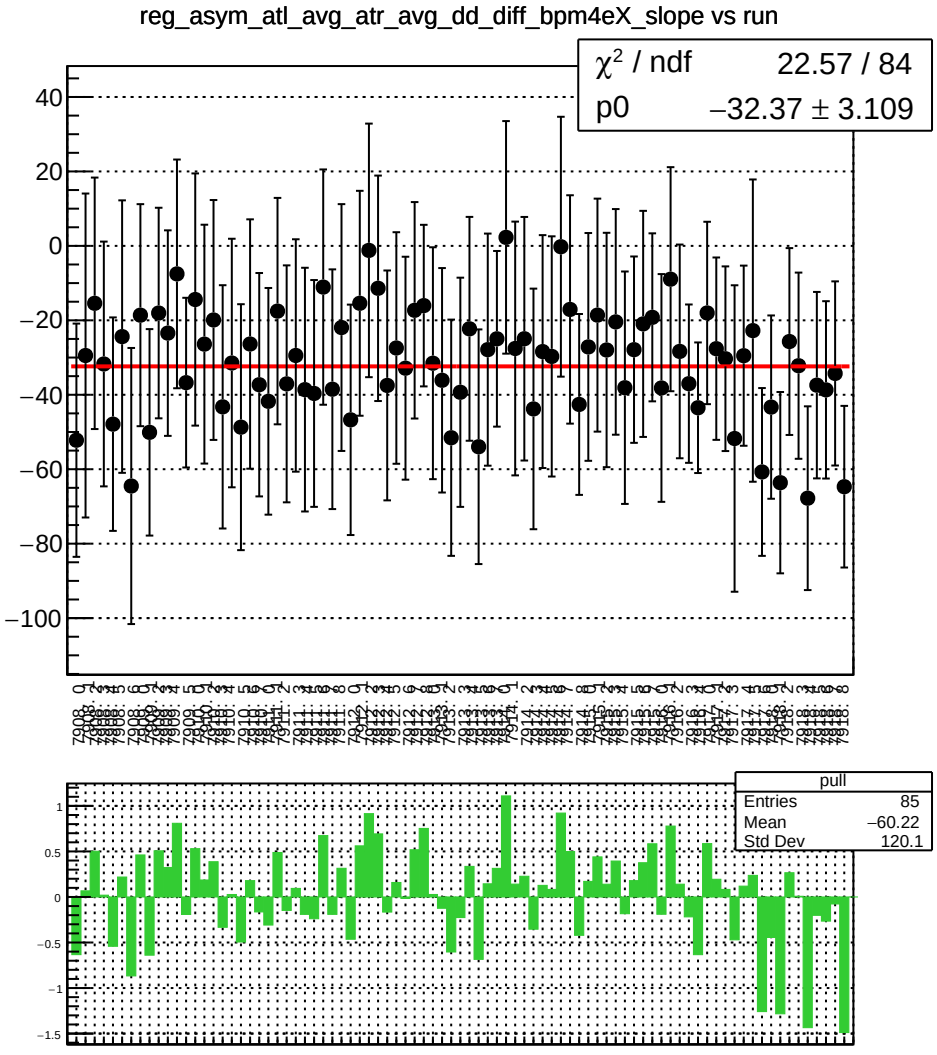


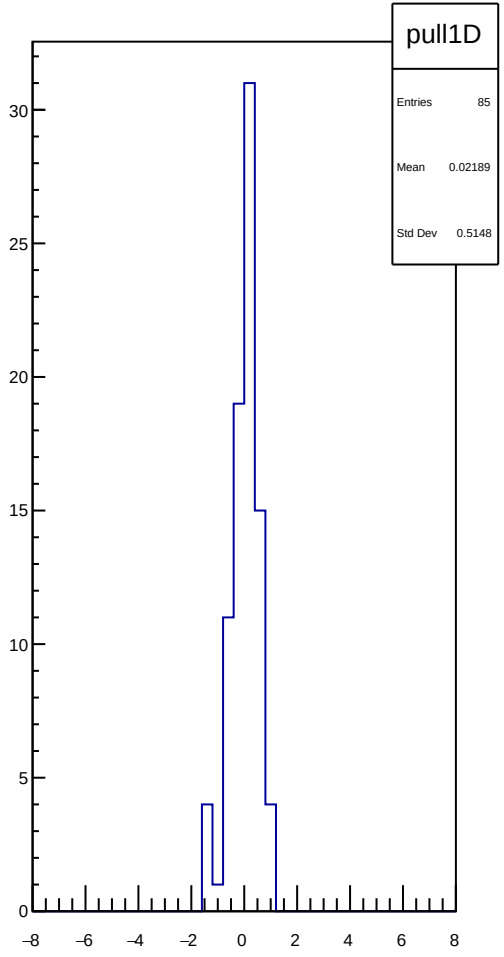

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 22.22 / 84
p0 13.09 ± 3.643
pull
Entries 85
Mean −30.53
Std Dev 91.83

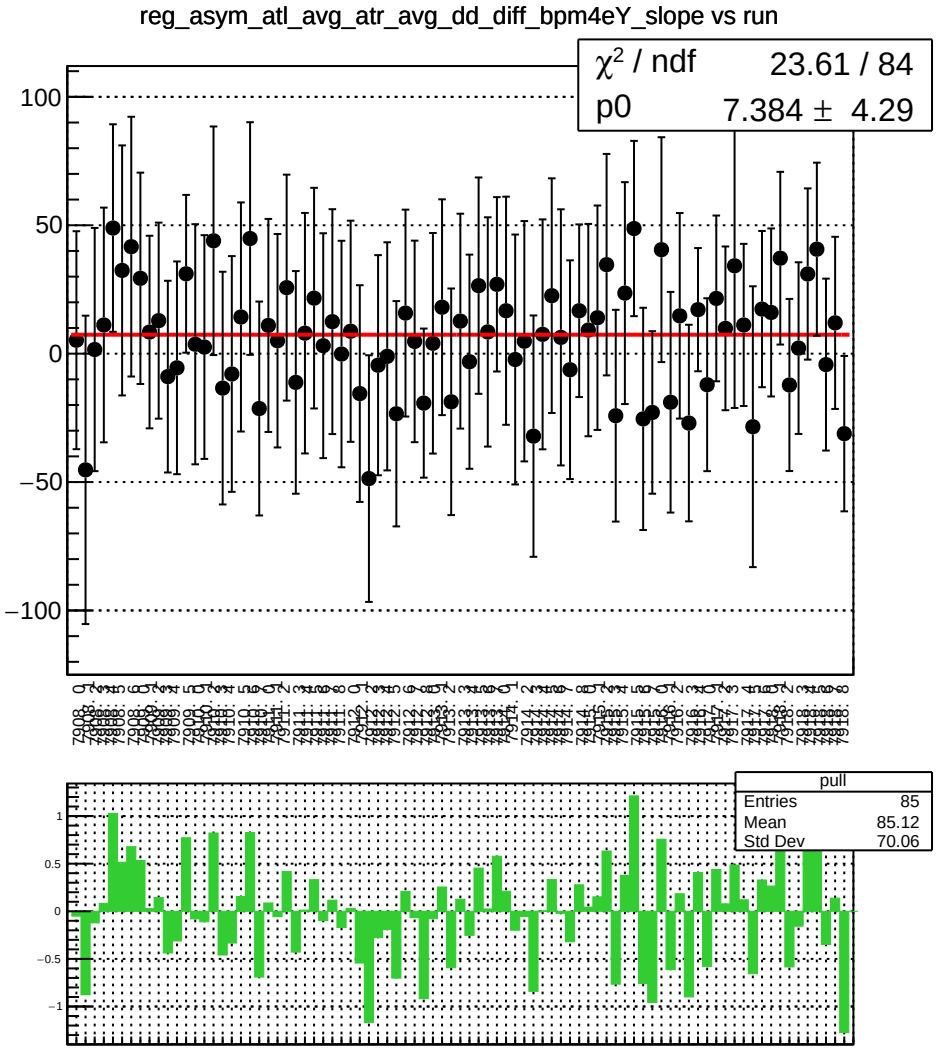

pull1D
Entries 85
Mean −0.02506
Std Dev 0.5107

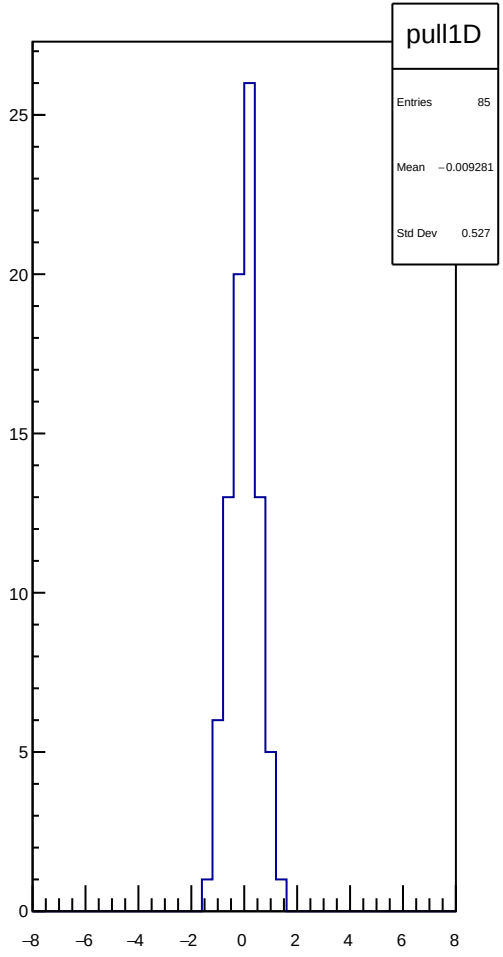

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.29 / 84
p0 −7.353 ± 3.691
pull
Entries 85
Mean 17.29
Std Dev 58.69


pull1D
Entries 85
Mean 0.01239
Std Dev 0.5344

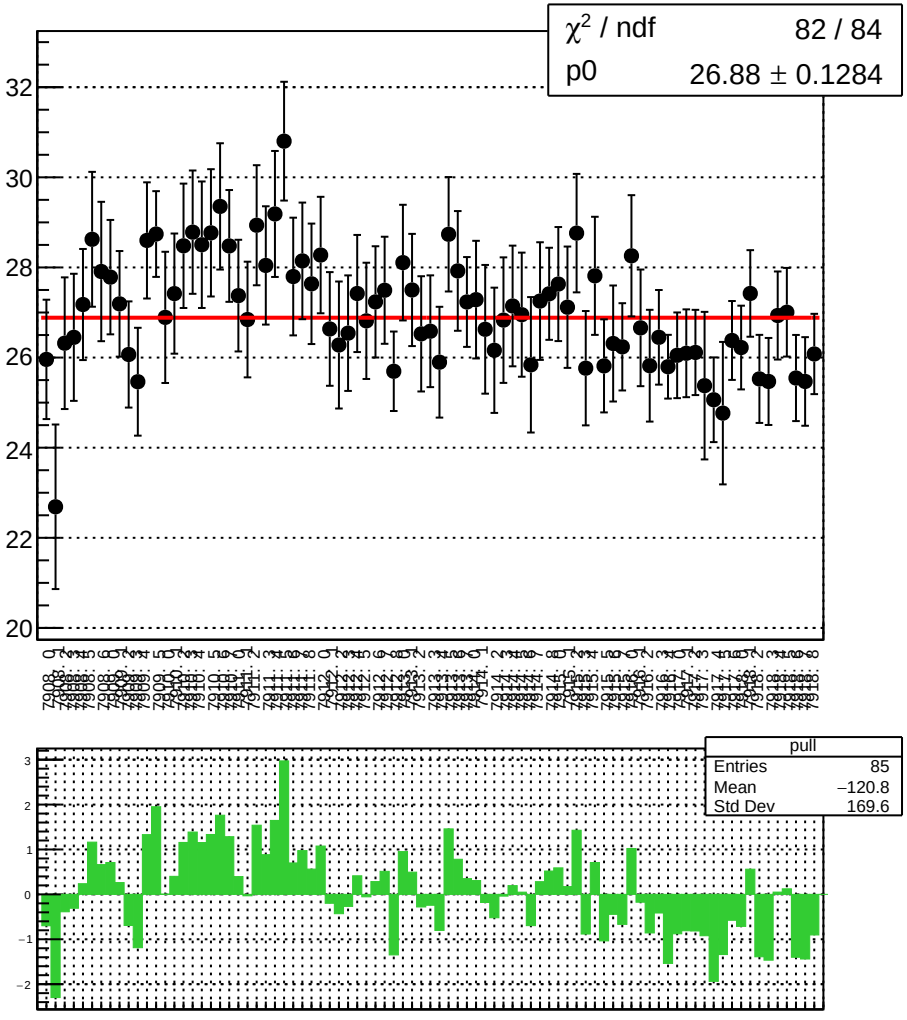

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.57 / 84
p0 −32.37 ± 3.109
pull
Entries 85
Mean −60.22
Std Dev 120.1

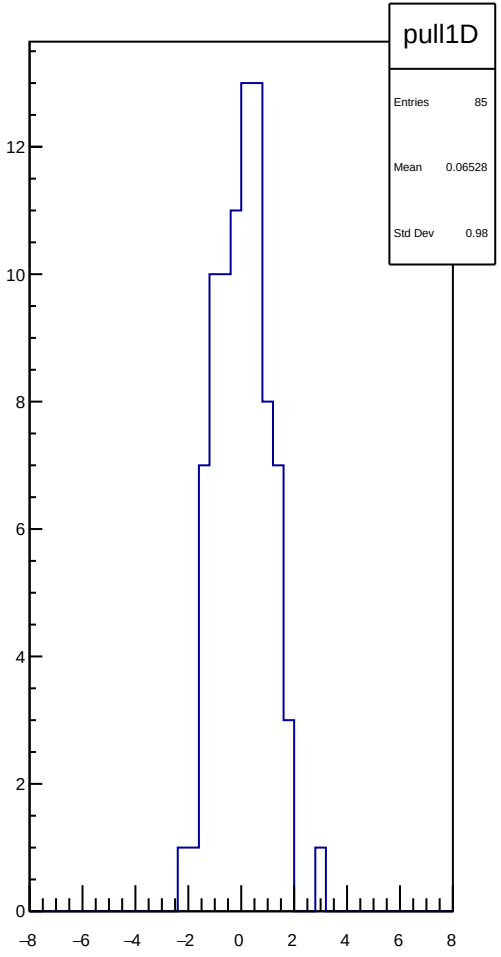

pull1D
Entries 85
Mean 0.02189
Std Dev 0.5148

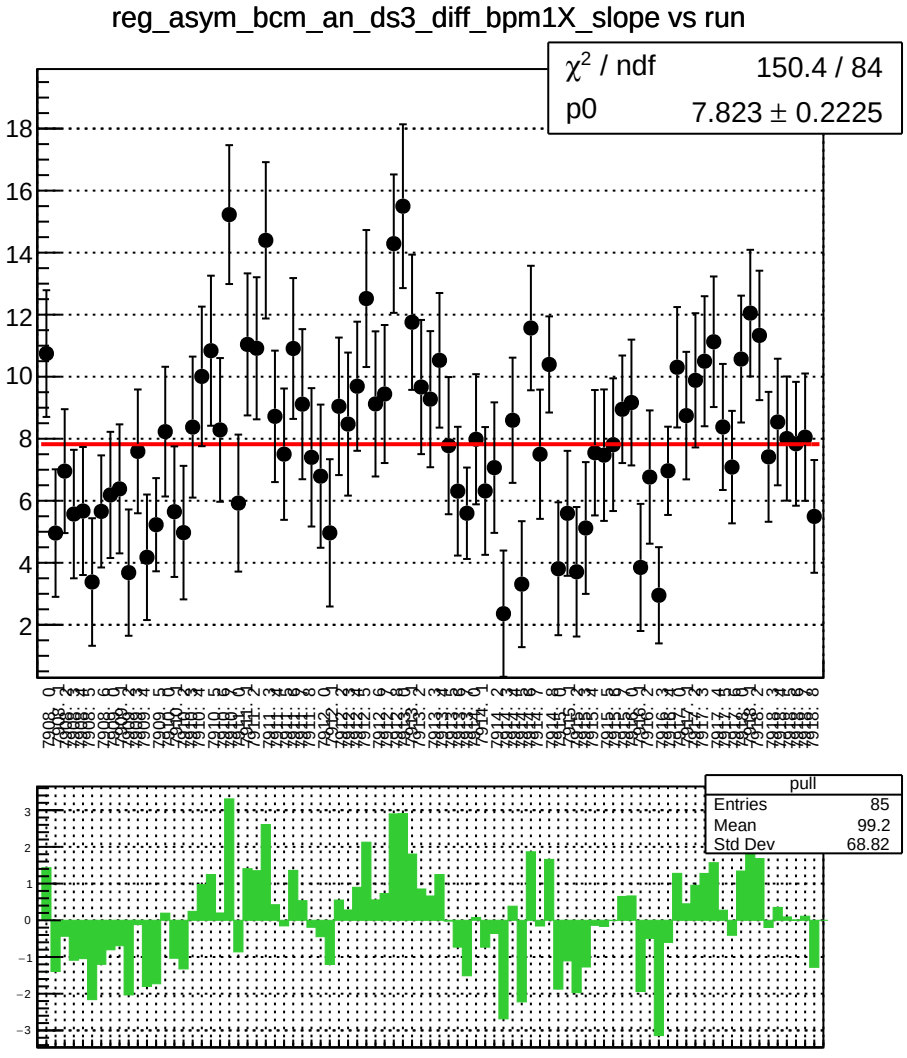

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.61 / 84
p0 7.384 ± 4.29
pull
Entries 85
Mean 85.12
Std Dev 70.06

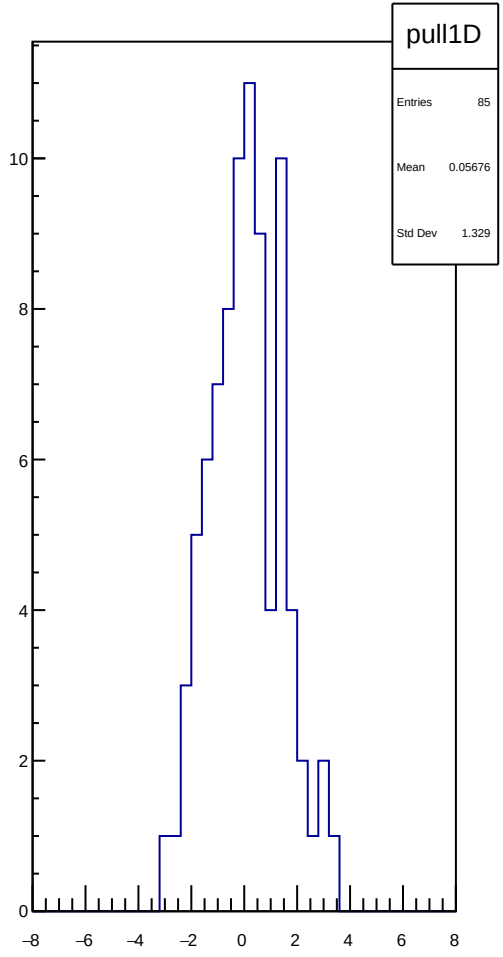

pull1D
Entries 85
Mean −0.009281
Std Dev 0.527

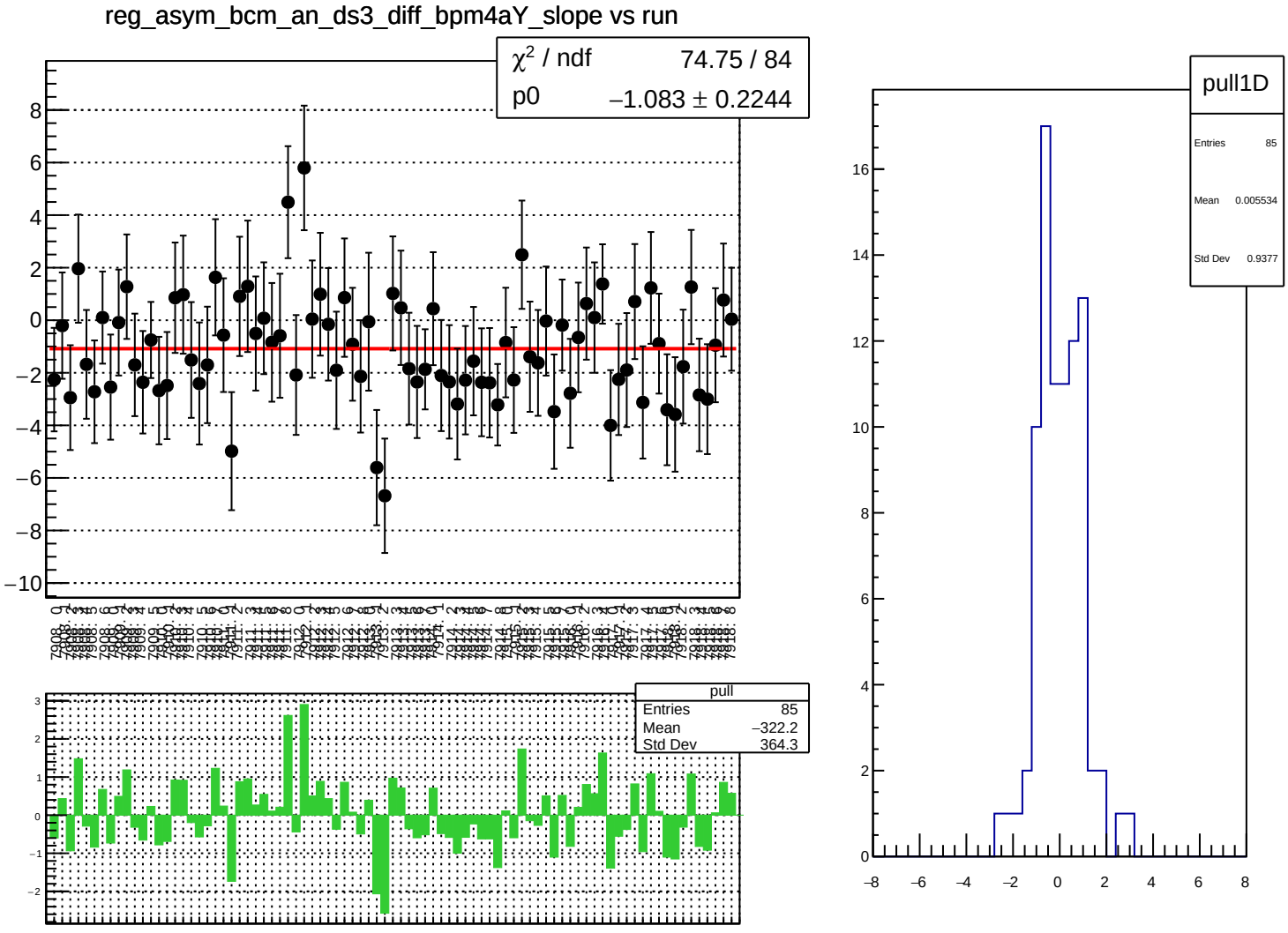
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

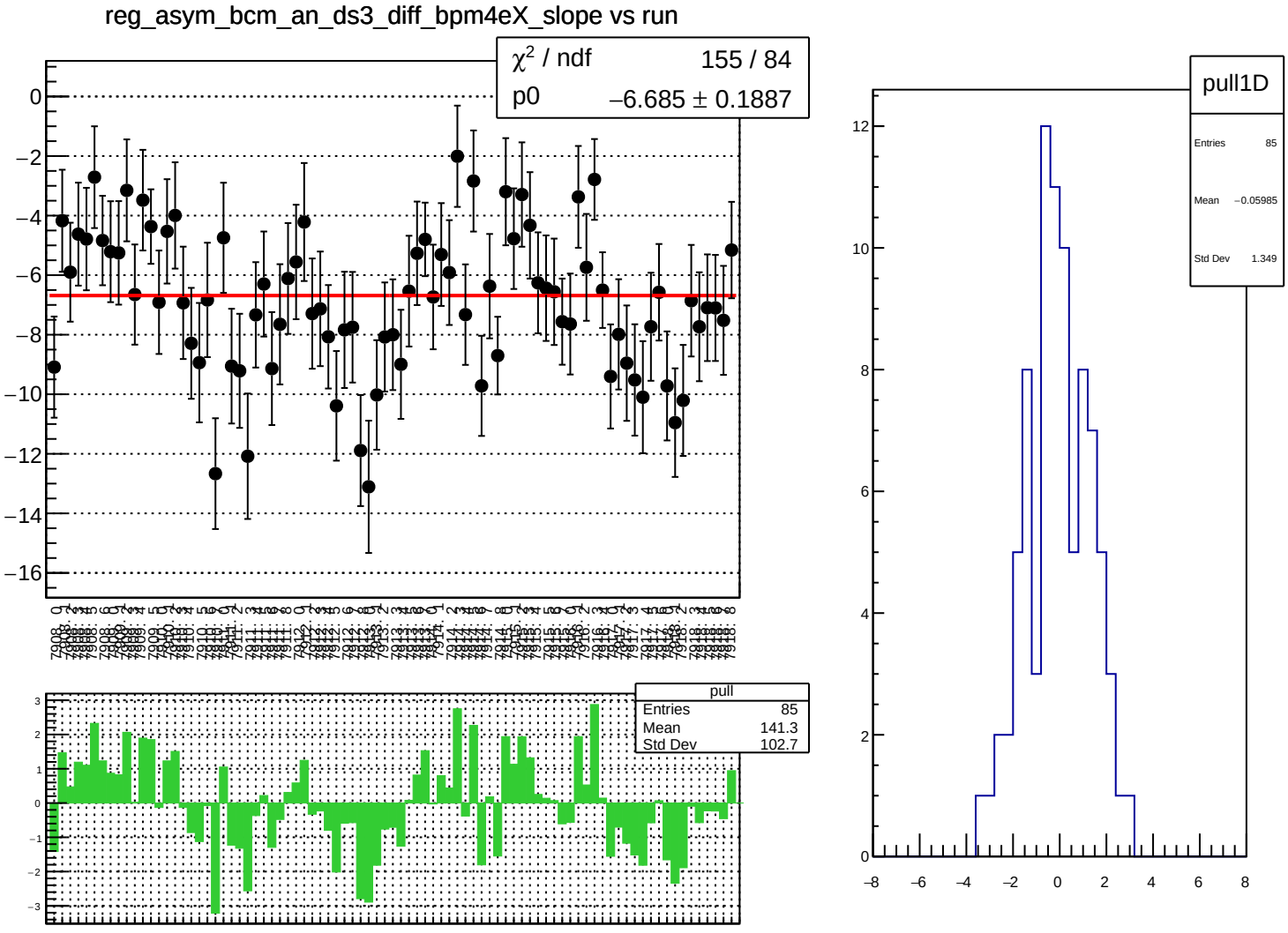


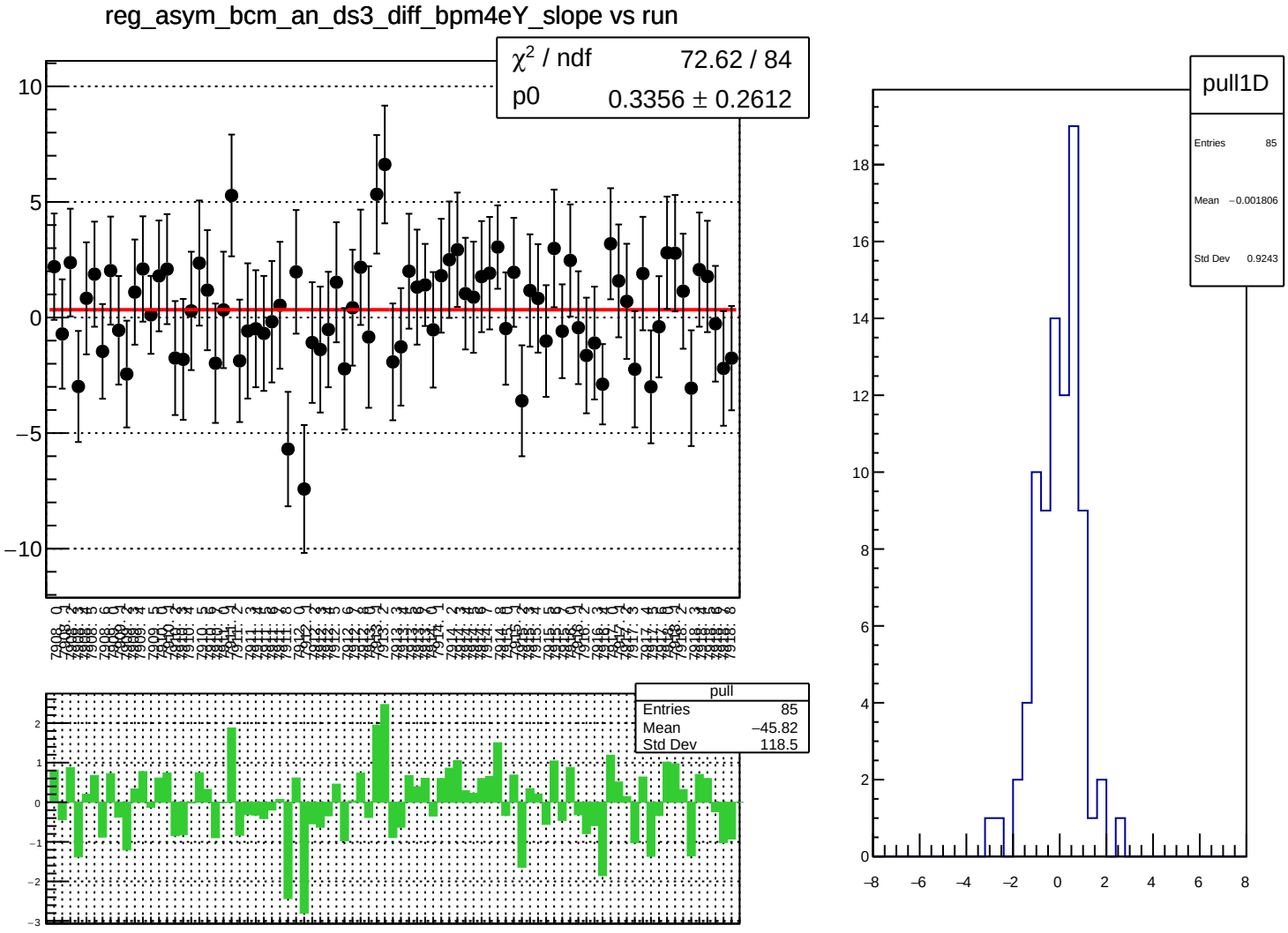


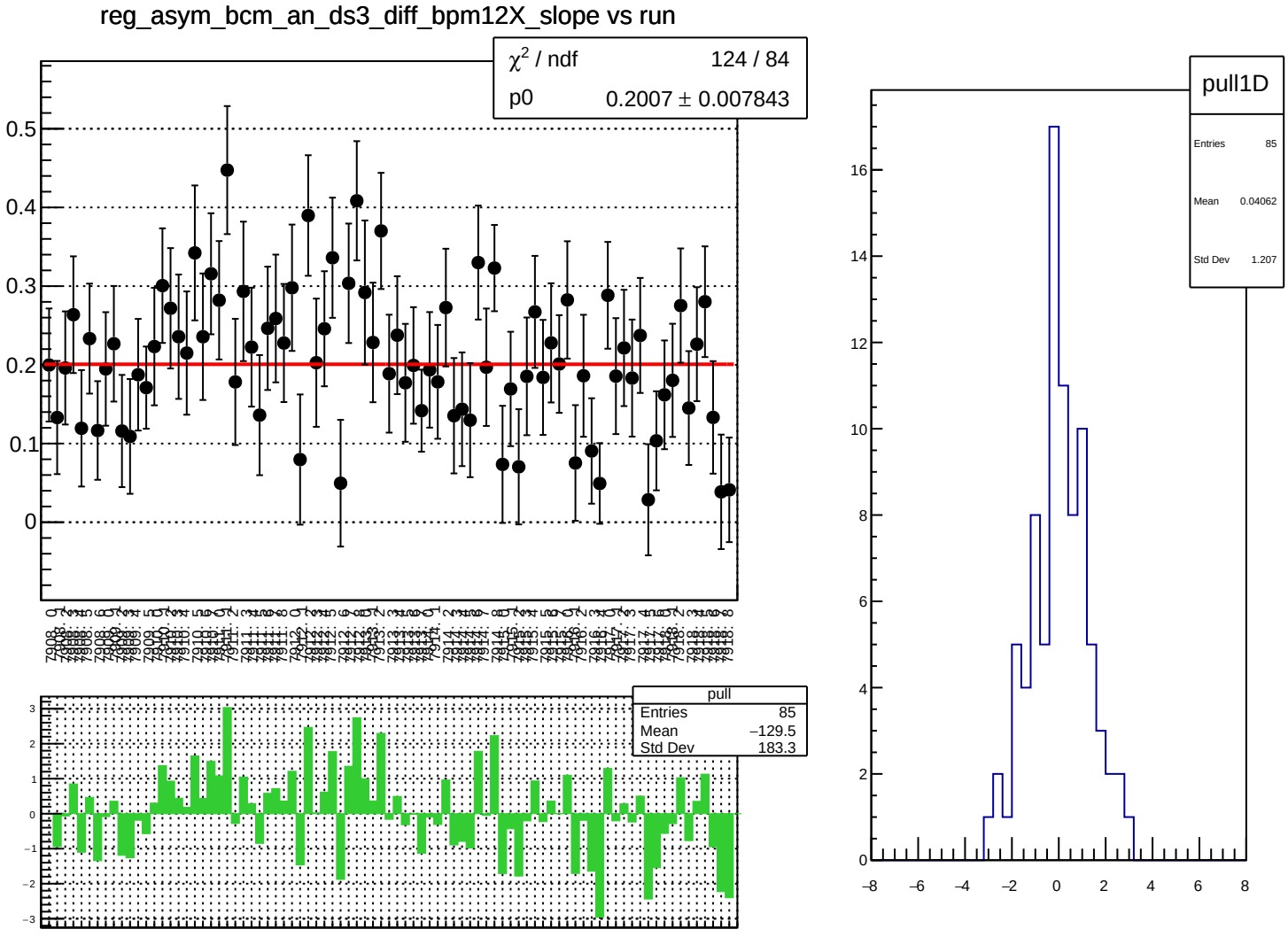

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 150.4 / 84
p0 7.823 ± 0.2225
pull
Entries 85
Mean 99.2
Std Dev 68.82

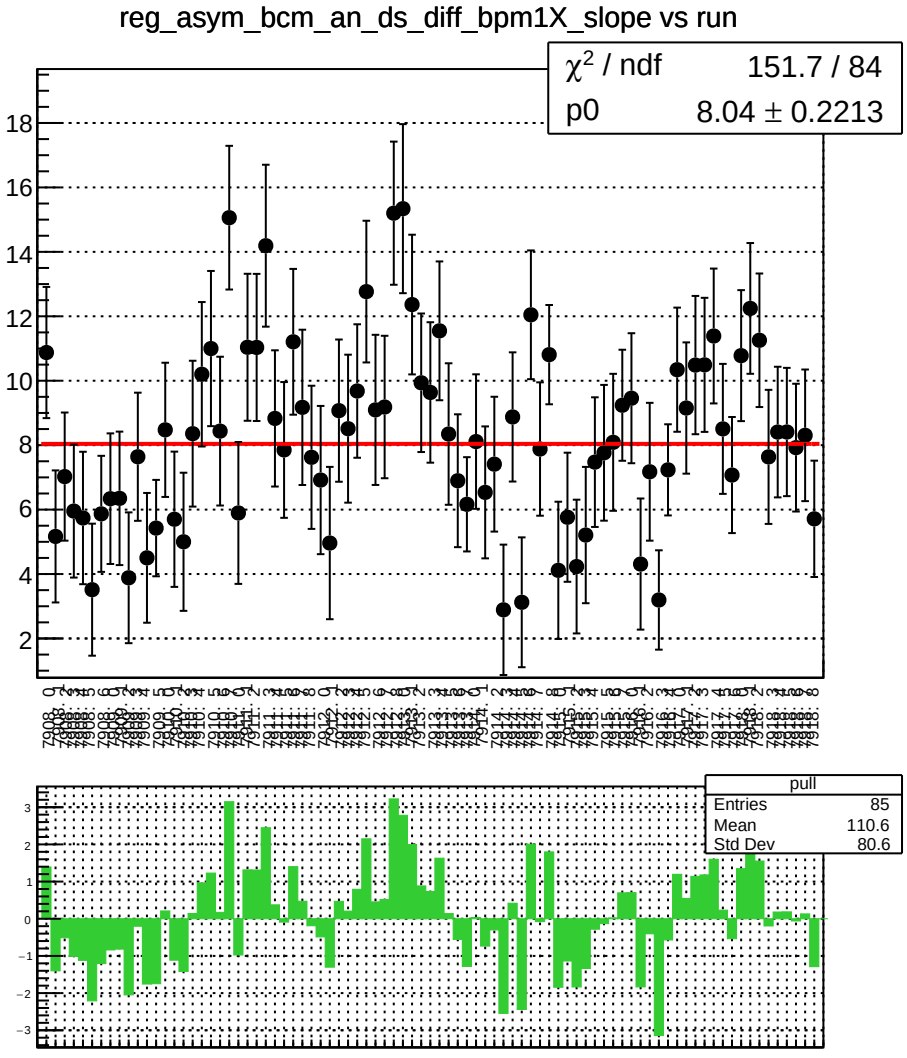

pull1D
Entries 85
Mean 0.05676
Std Dev 1.329

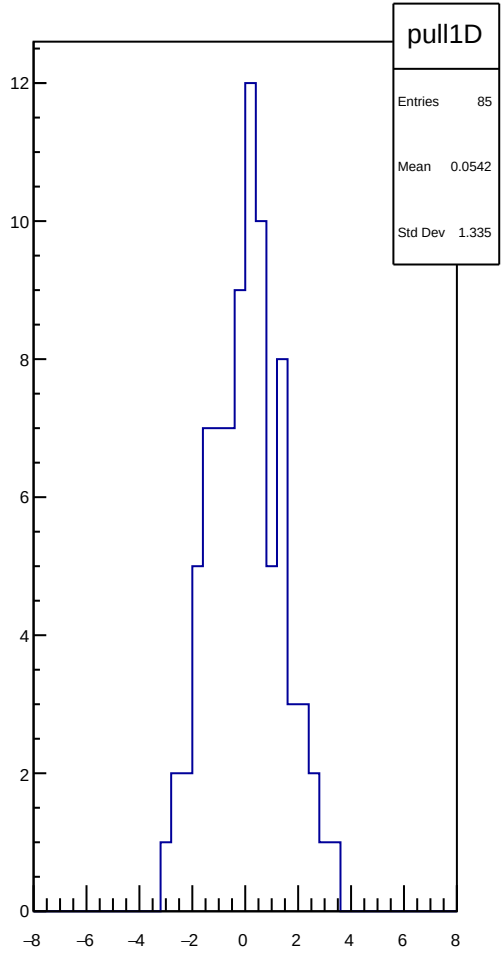

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 74.75 / 84
p0 −1.083 ± 0.2244
pull
Entries 85
Mean −322.2
Std Dev 364.3
pull1D
Entries 85
Mean 0.005534
Std Dev 0.9377

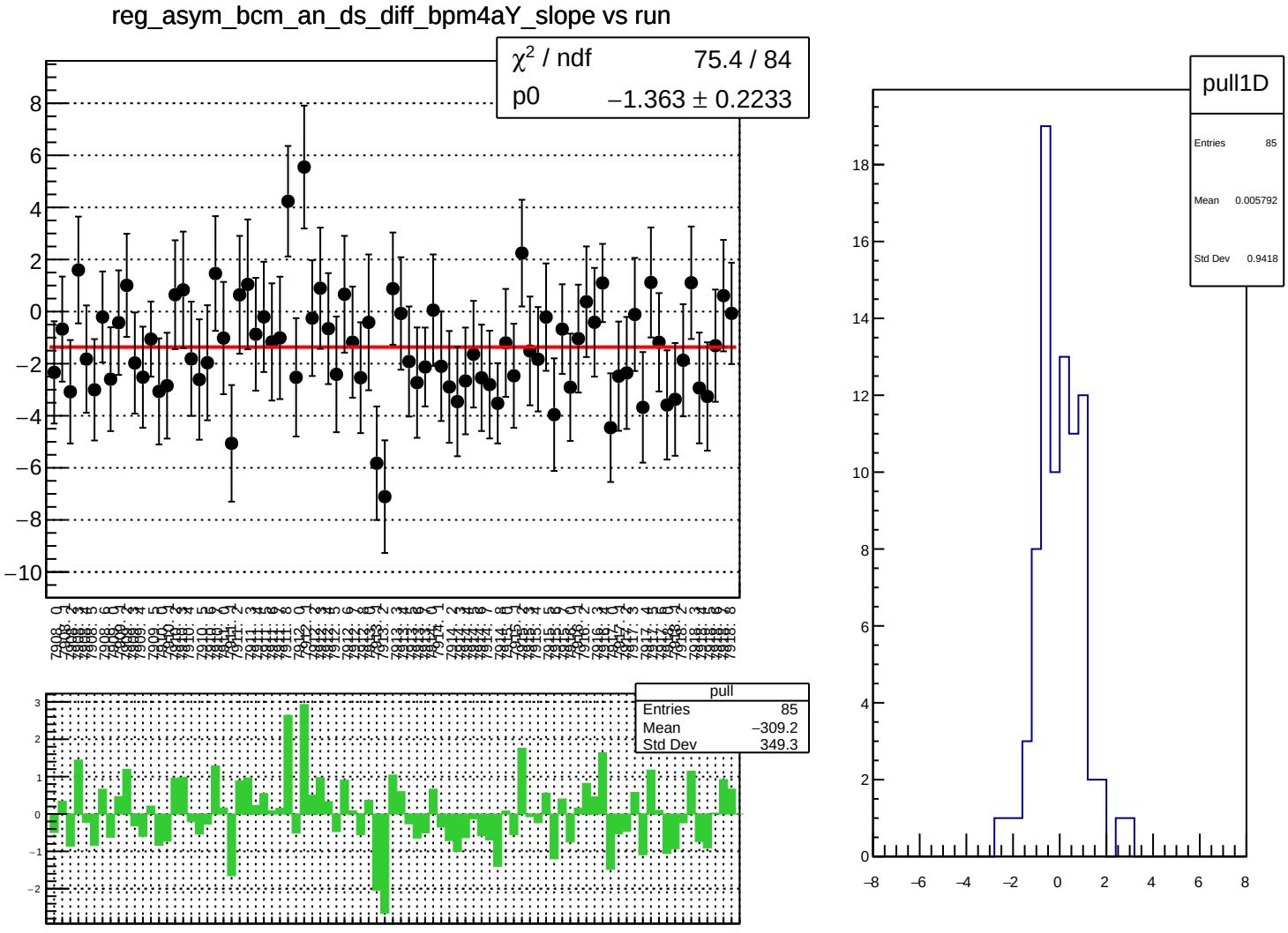

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 155 / 84
p0 −6.685 ± 0.1887
pull
Entries 85
Mean 141.3
Std Dev 102.7
pull1D
Entries 85
Mean −0.05985
Std Dev 1.349

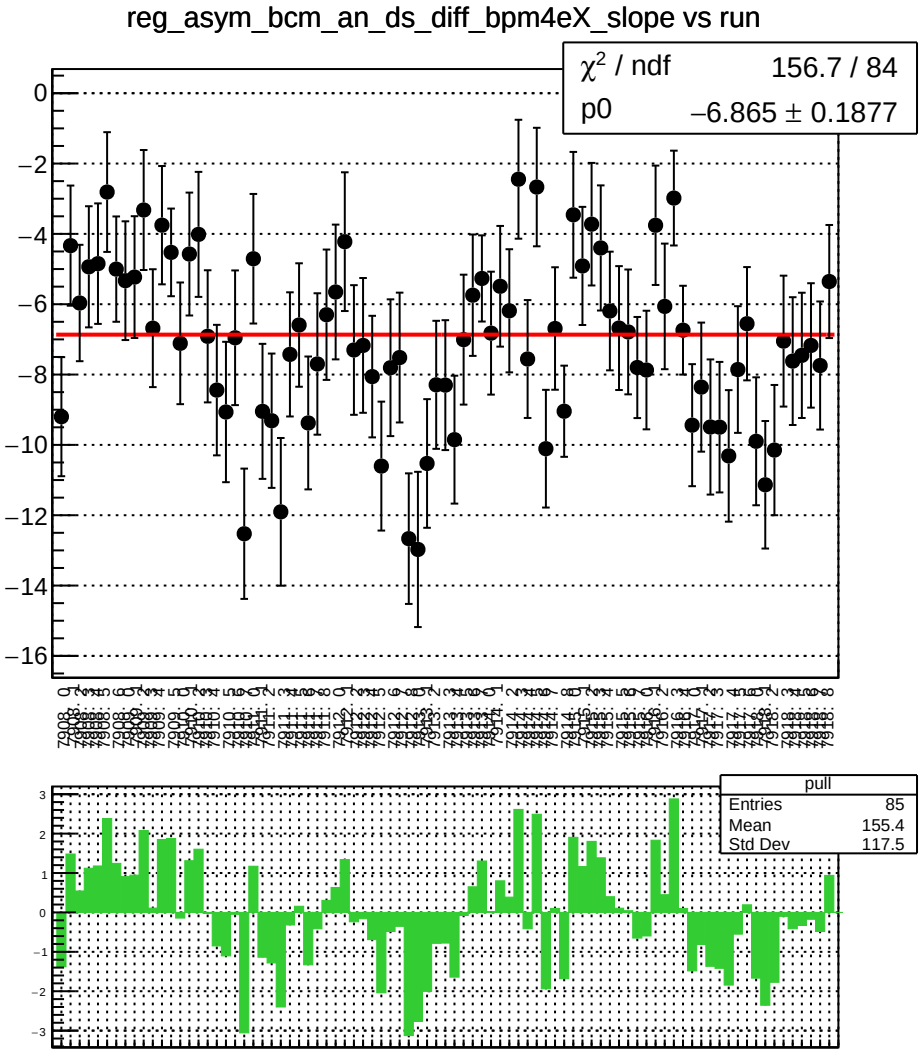

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 72.62 / 84
p0 0.3356 ± 0.2612
pull
Entries 85
Mean −45.82
Std Dev 118.5
pull1D
Entries 85
Mean −0.001806
Std Dev 0.9243

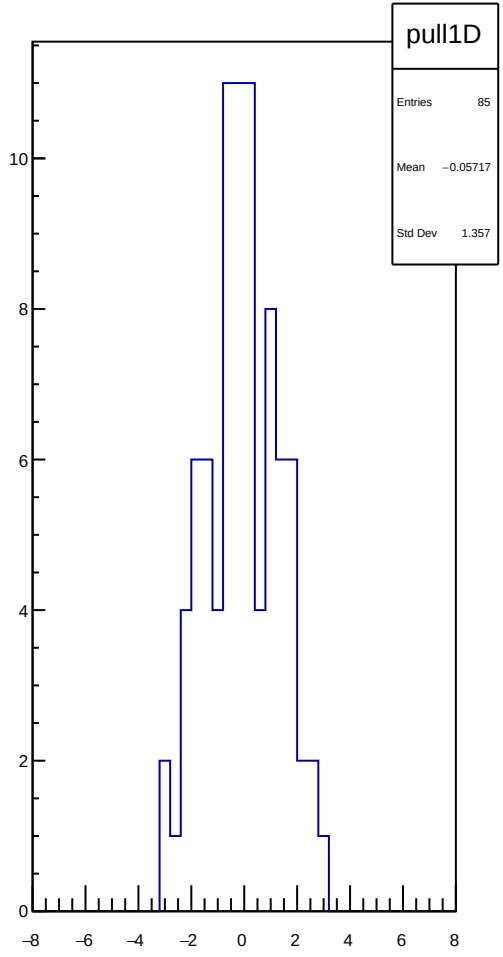

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 124 / 84
p0 0.2007 ± 0.007843
pull
Entries 85
Mean −129.5
Std Dev 183.3
pull1D
Entries 85
Mean 0.04062
Std Dev 1.207

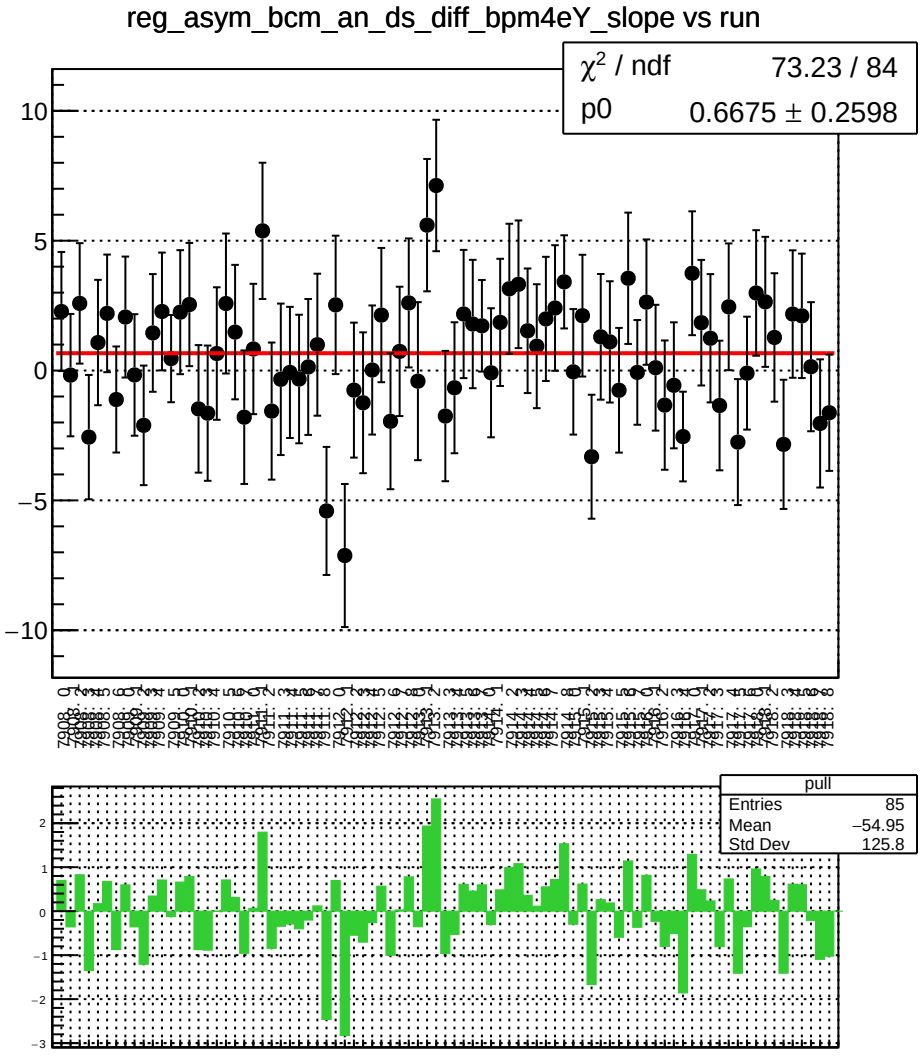

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 151.7 / 84
p0 8.04 ± 0.2213
pull
Entries 85
Mean 110.6
Std Dev 80.6

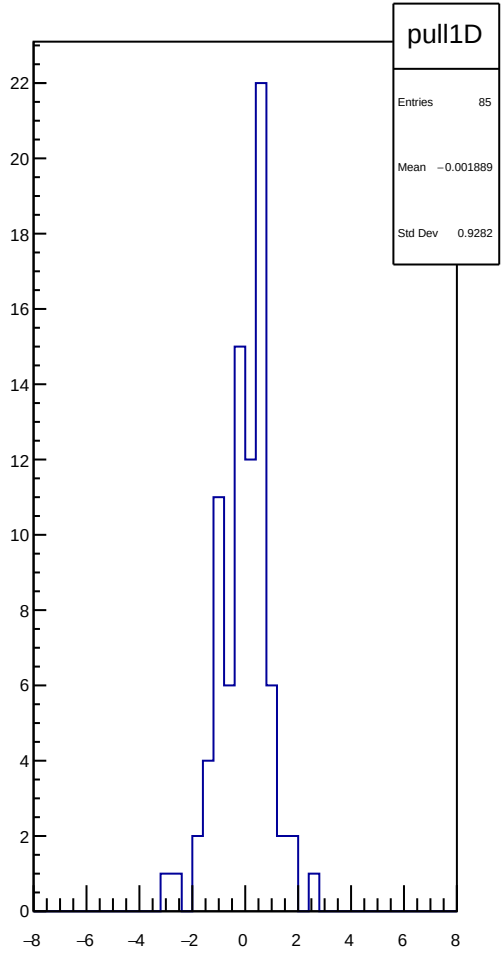

pull1D
Entries 85
Mean 0.0542
Std Dev 1.335

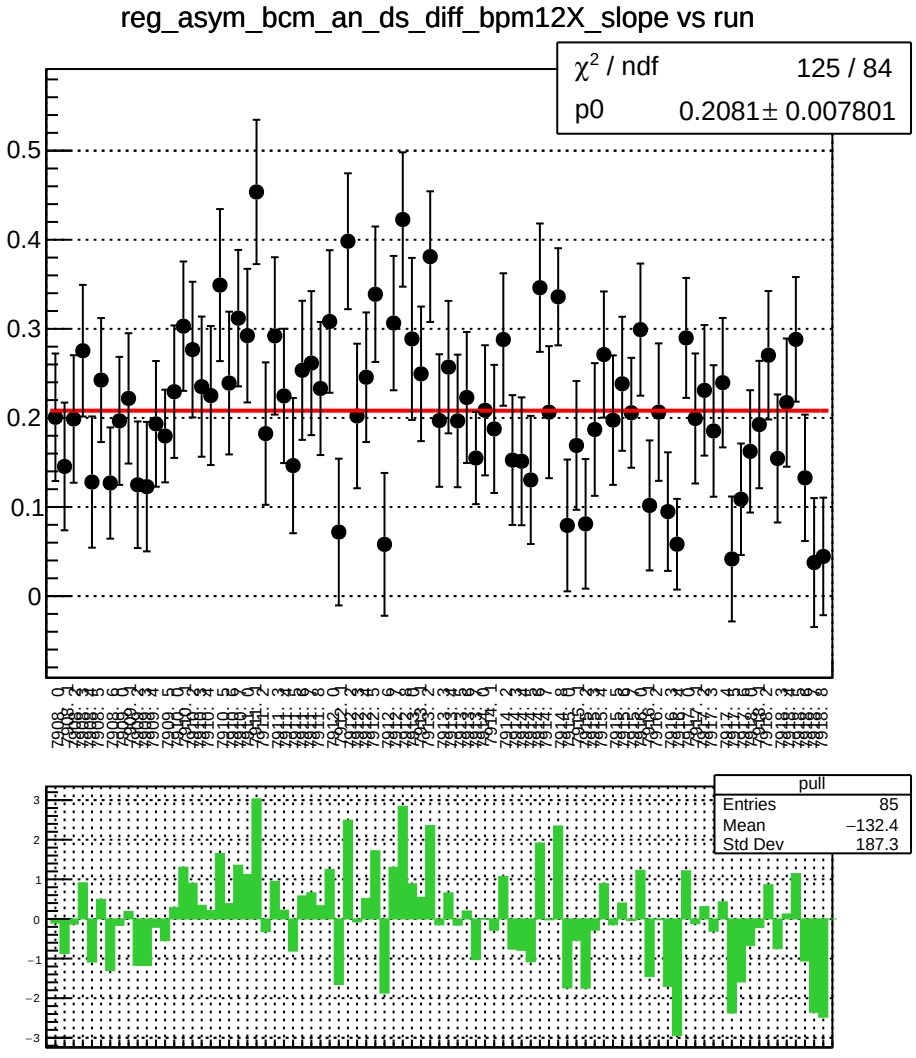

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 75.4 / 84
p0 −1.363 ± 0.2233
pull
Entries 85
Mean −309.2
Std Dev 349.3
pull1D
Entries 85
Mean 0.005792
Std Dev 0.9418

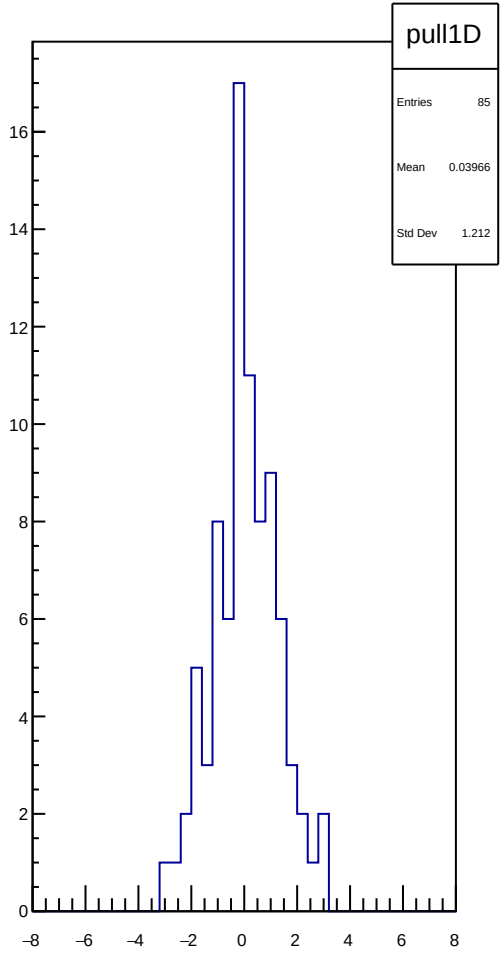

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 156.7 / 84
p0 −6.865 ± 0.1877
pull
Entries 85
Mean 155.4
Std Dev 117.5

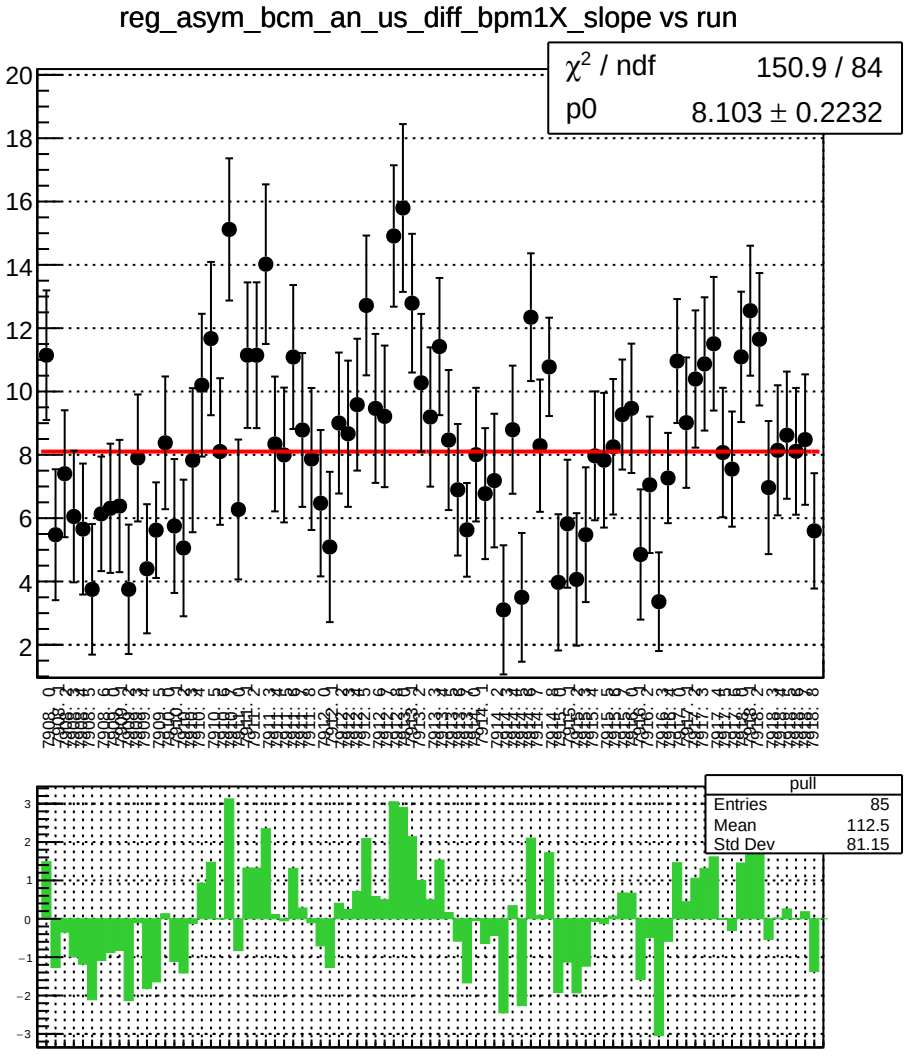

pull1D
Entries 85
Mean −0.05717
Std Dev 1.357

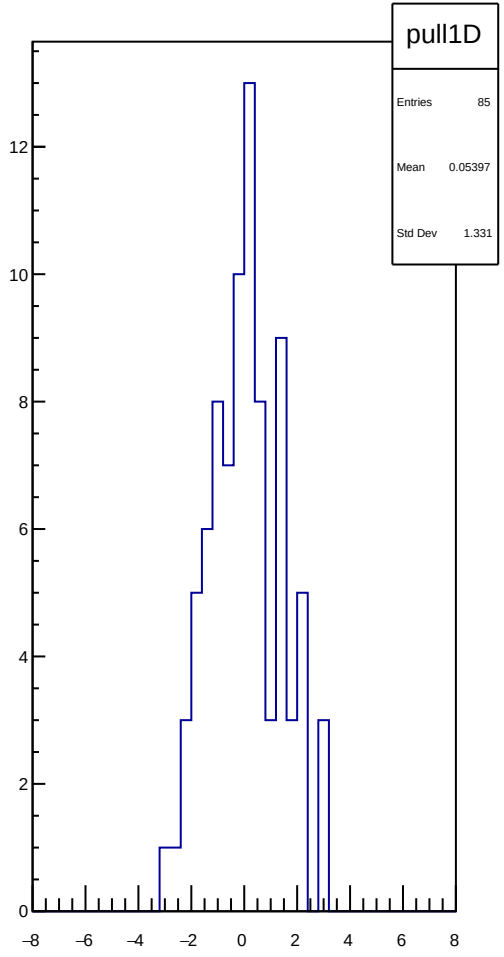

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 73.23 / 84
p0 0.6675 ± 0.2598
pull
Entries 85
Mean −54.95
Std Dev 125.8

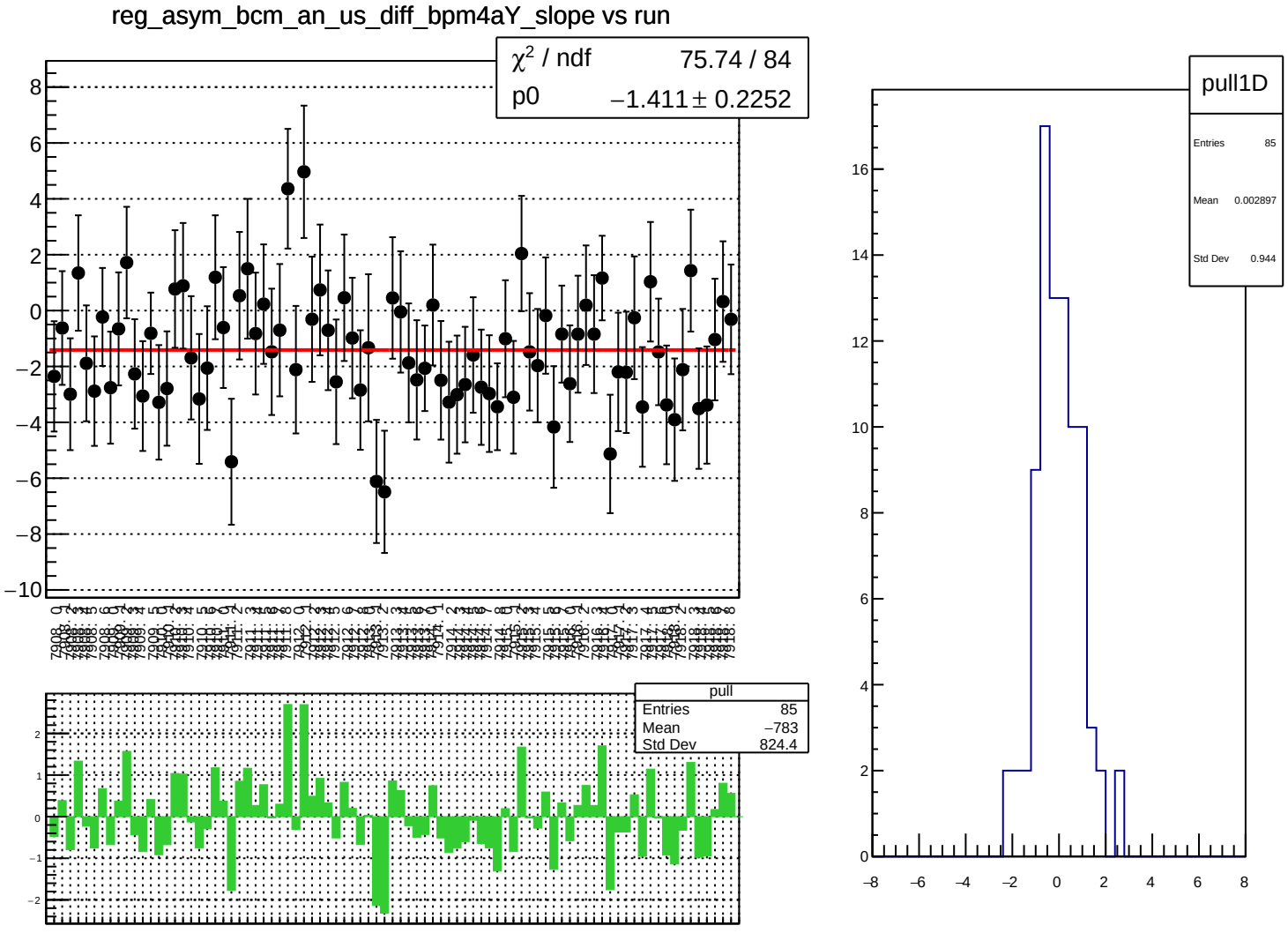

pull1D
Entries 85
Mean −0.001889
Std Dev 0.9282

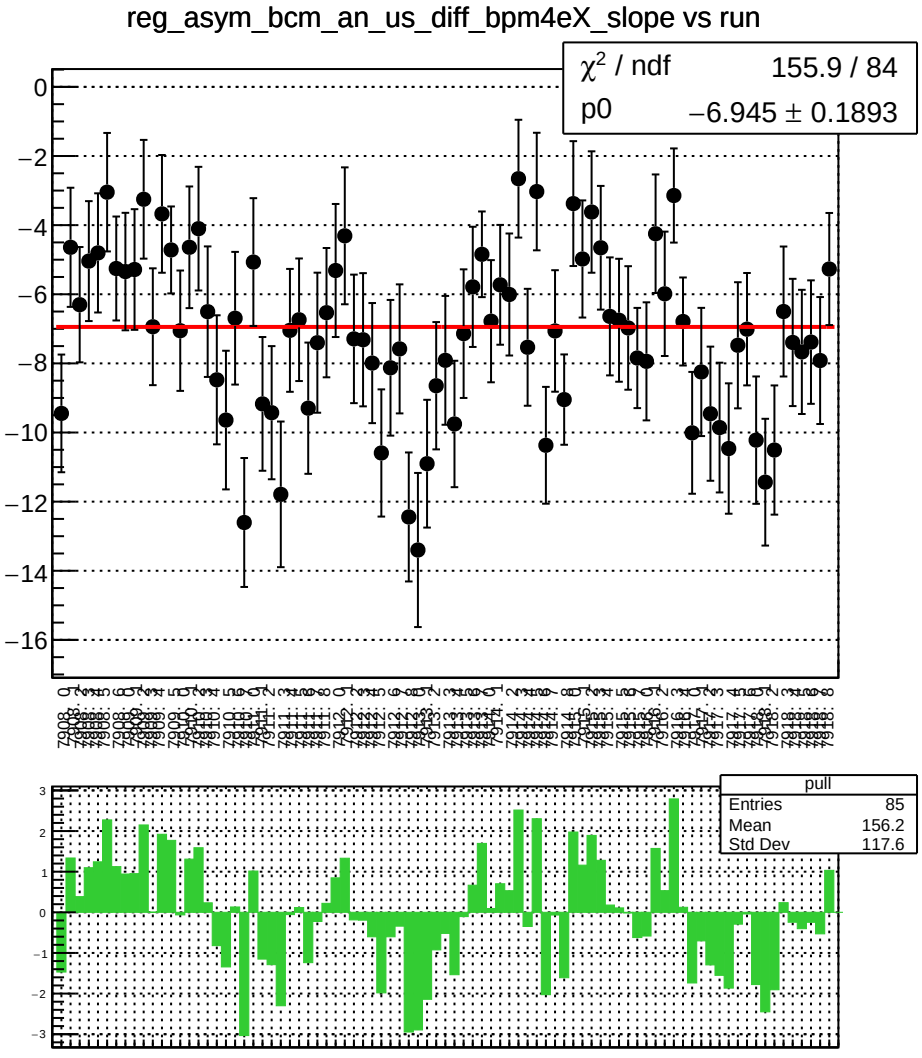

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 125 / 84
p0 0.2081 ± 0.007801
pull
Entries 85
Mean −132.4
Std Dev 187.3

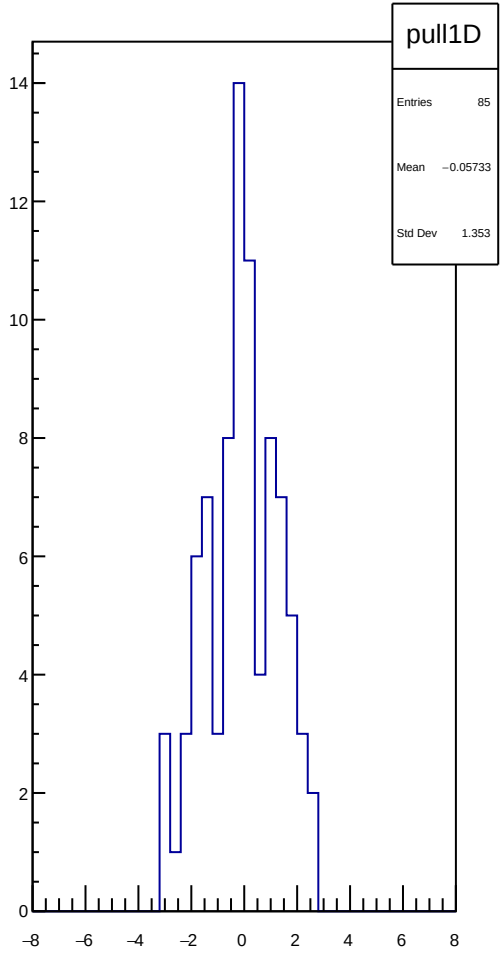

pull1D
Entries 85
Mean 0.03966
Std Dev 1.212

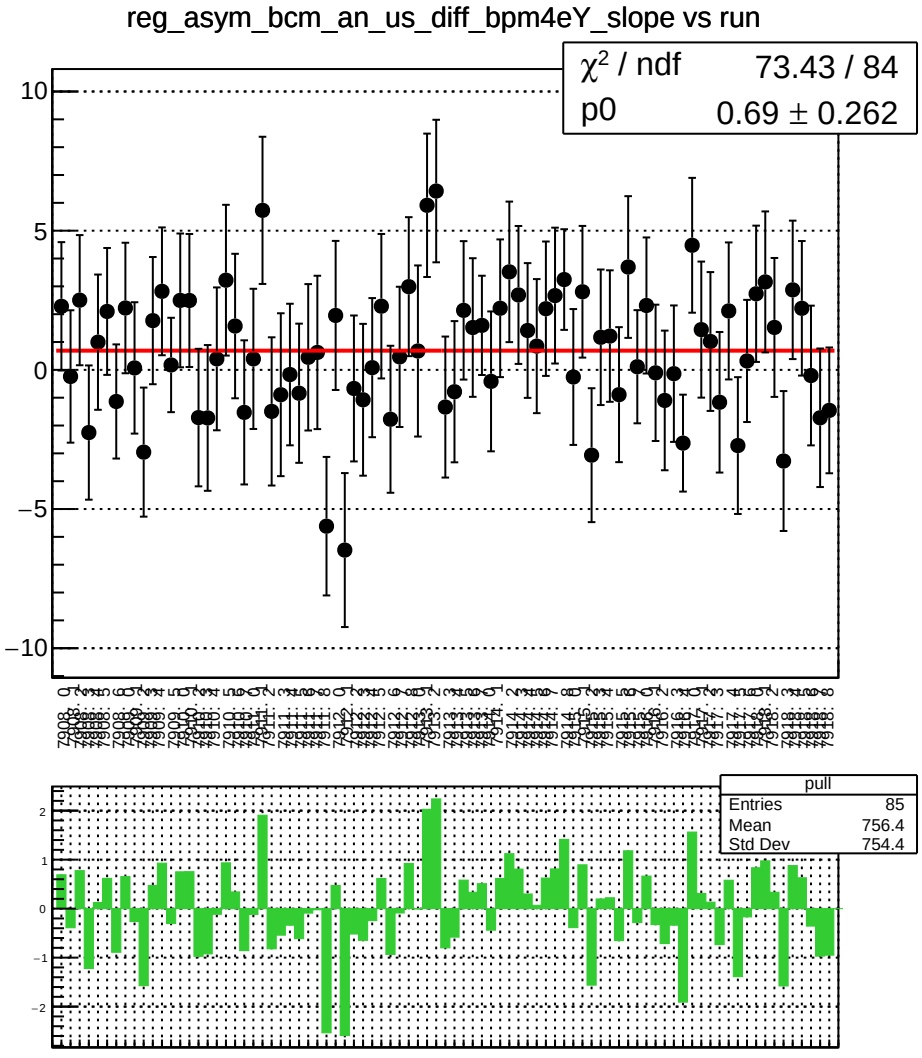

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 150.9 / 84
p0 8.103 ± 0.2232
pull
Entries 85
Mean 112.5
Std Dev 81.15

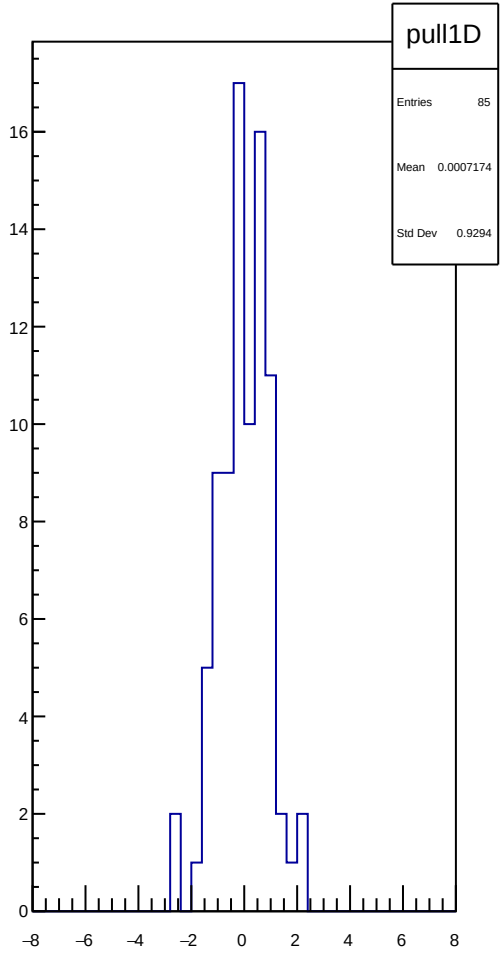

pull1D
Entries 85
Mean 0.05397
Std Dev 1.331

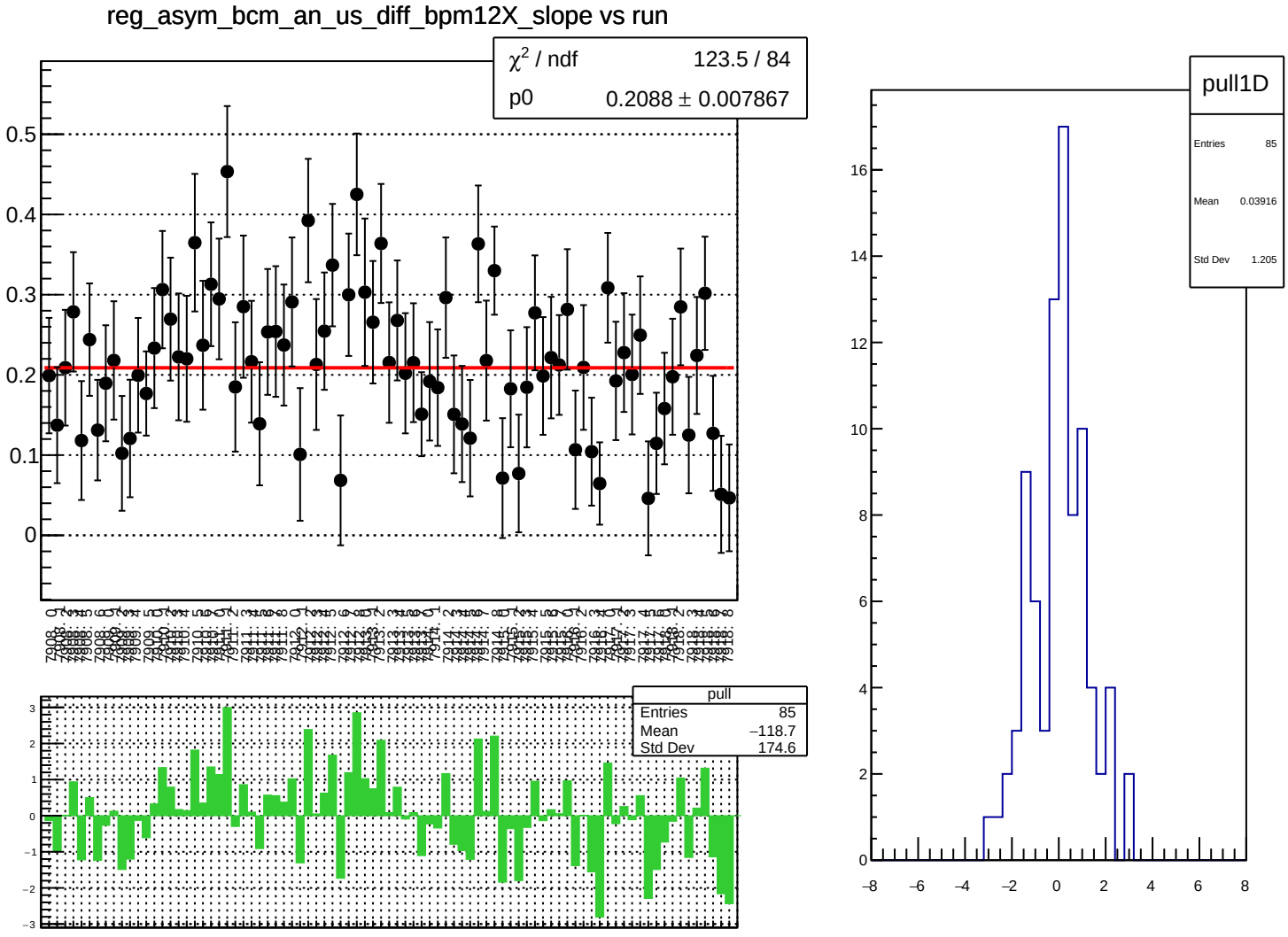

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 75.74 / 84
p0 −1.411 ± 0.2252
pull
Entries 85
Mean −783
Std Dev 824.4
pull1D
Entries 85
Mean 0.002897
Std Dev 0.944

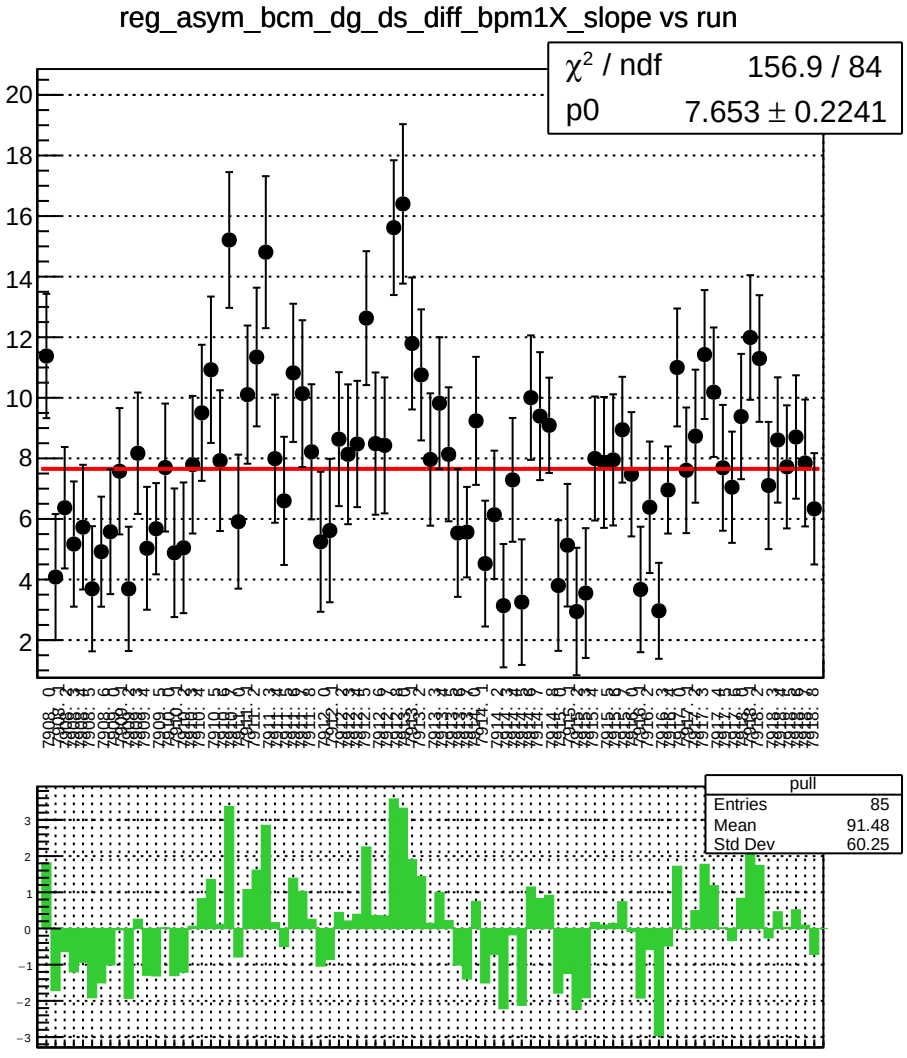

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 155.9 / 84
p0 −6.945 ± 0.1893
pull
Entries 85
Mean 156.2
Std Dev 117.6

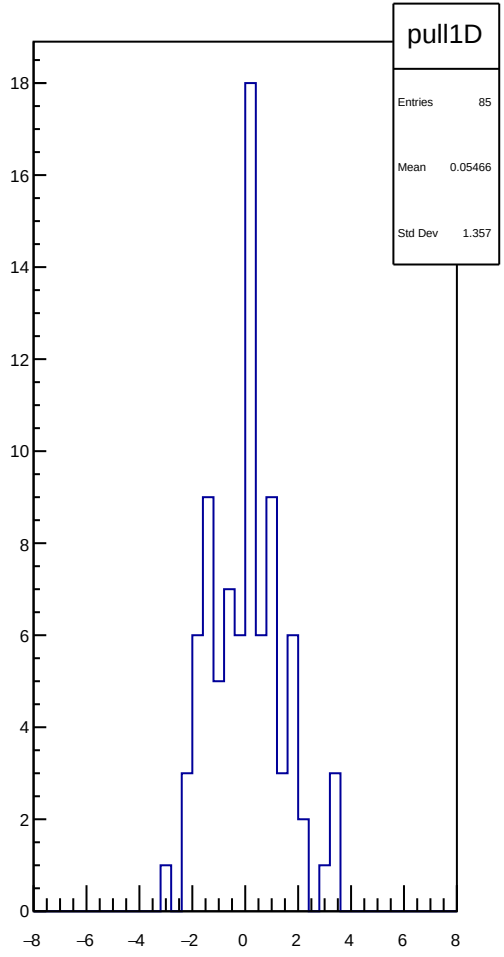

pull1D
Entries 85
Mean −0.05733
Std Dev 1.353

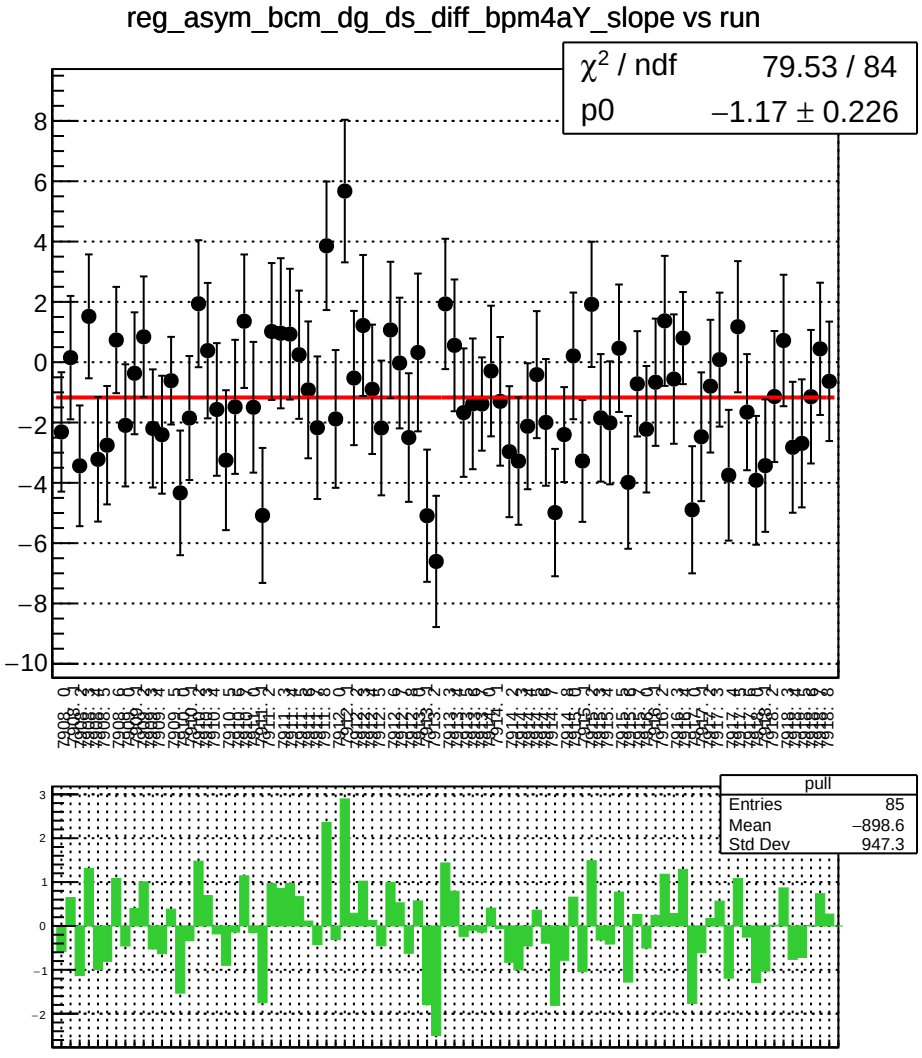

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 73.43 / 84
p0 0.69 ± 0.262
pull
Entries 85
Mean 756.4
Std Dev 754.4

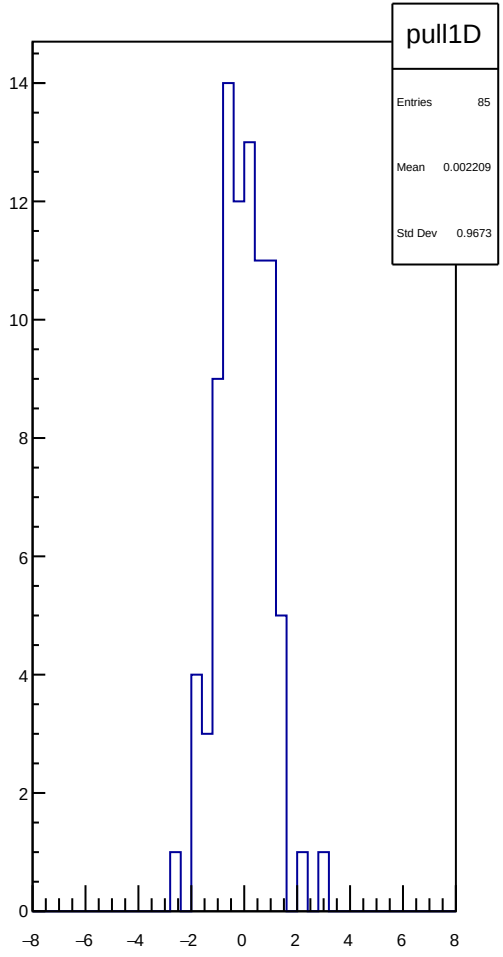

pull1D
Entries 85
Mean 0.0007174
Std Dev 0.9294

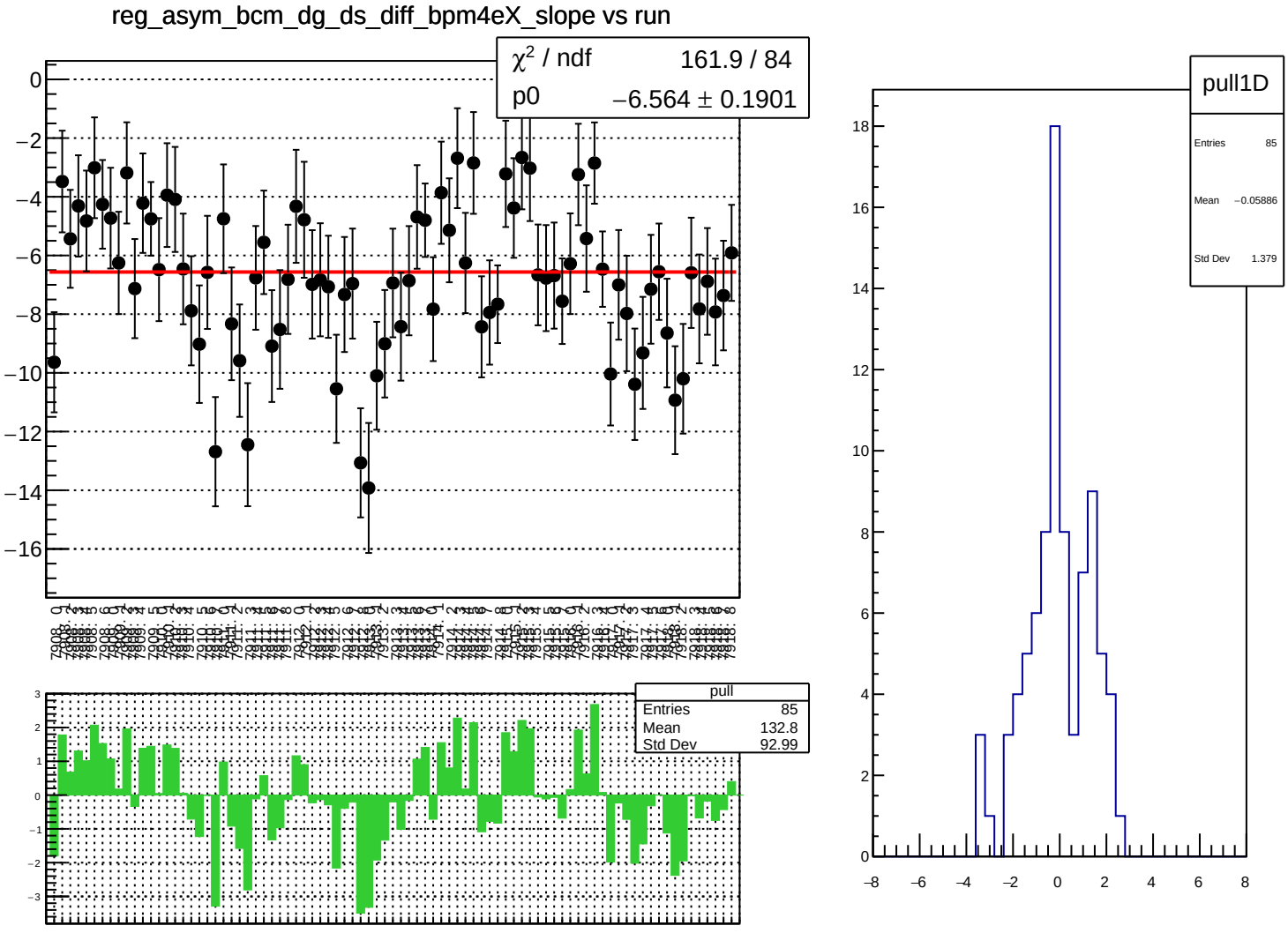

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ2 / ndf 123.5 / 84
p0 0.2088 ± 0.007867
pull
Entries 85
Mean −118.7
Std Dev 174.6
pull1D
Entries 85
Mean 0.03916
Std Dev 1.205

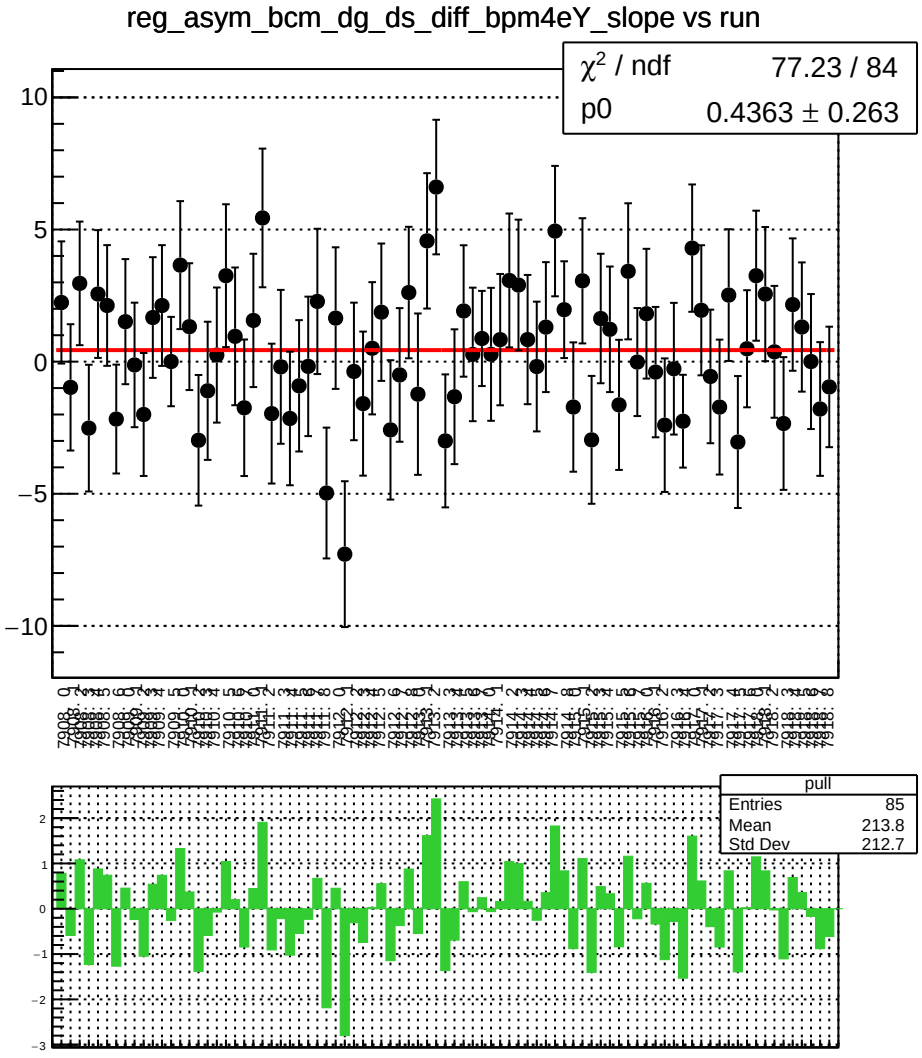

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 156.9 / 84
p0 7.653 ± 0.2241
pull
Entries 85
Mean 91.48
Std Dev 60.25

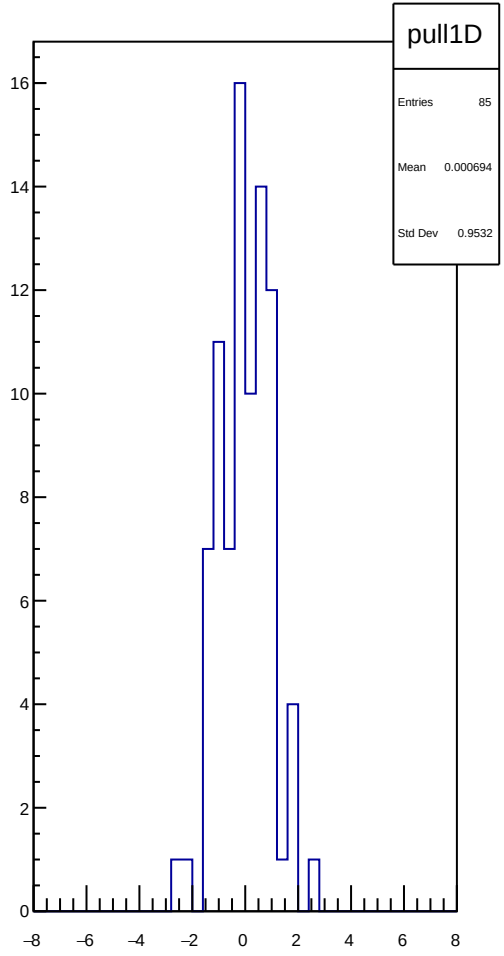

pull1D
Entries 85
Mean 0.05466
Std Dev 1.357

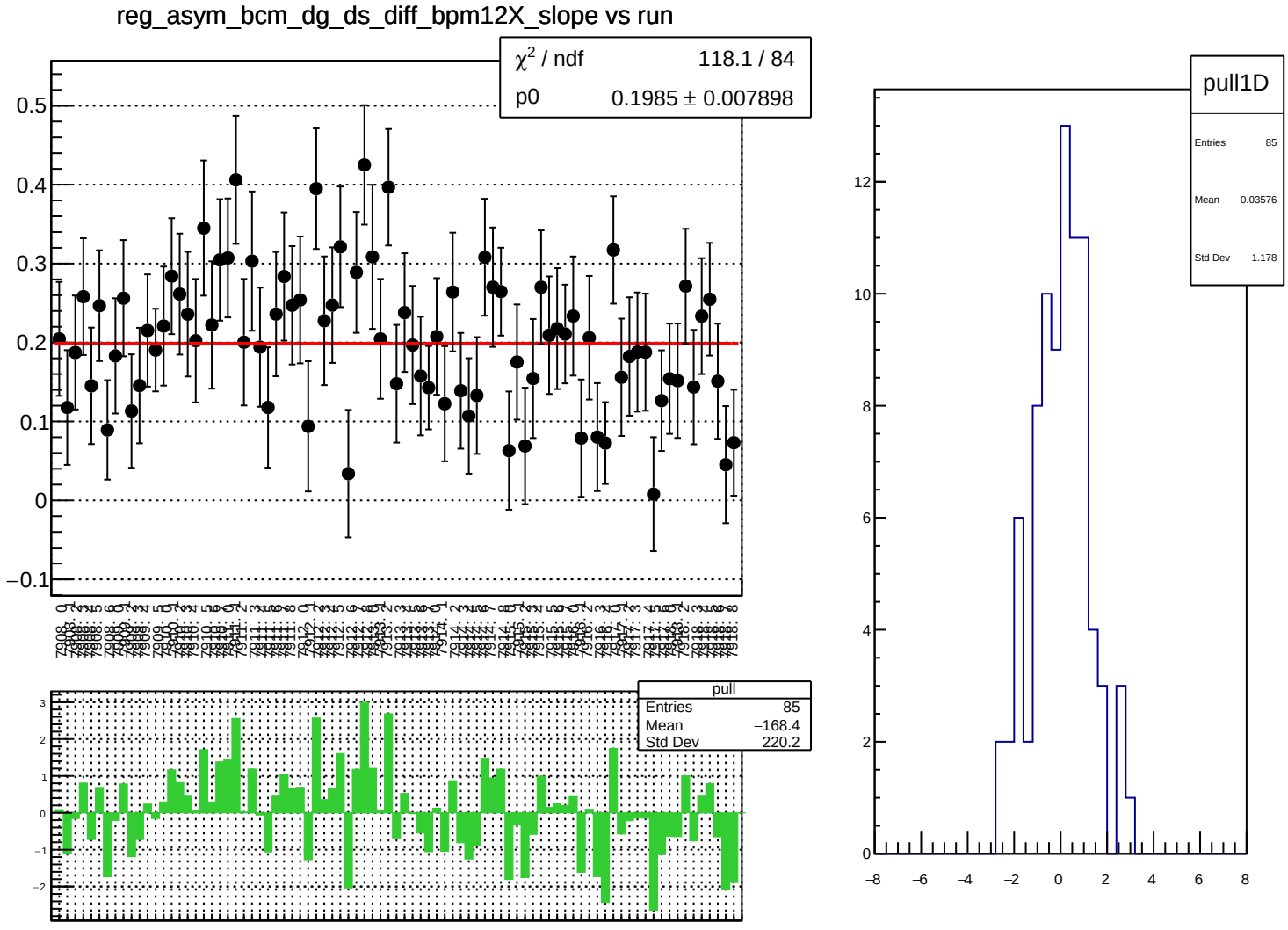

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 79.53 / 84
p0 −1.17 ± 0.226
pull
Entries 85
Mean −898.6
Std Dev 947.3

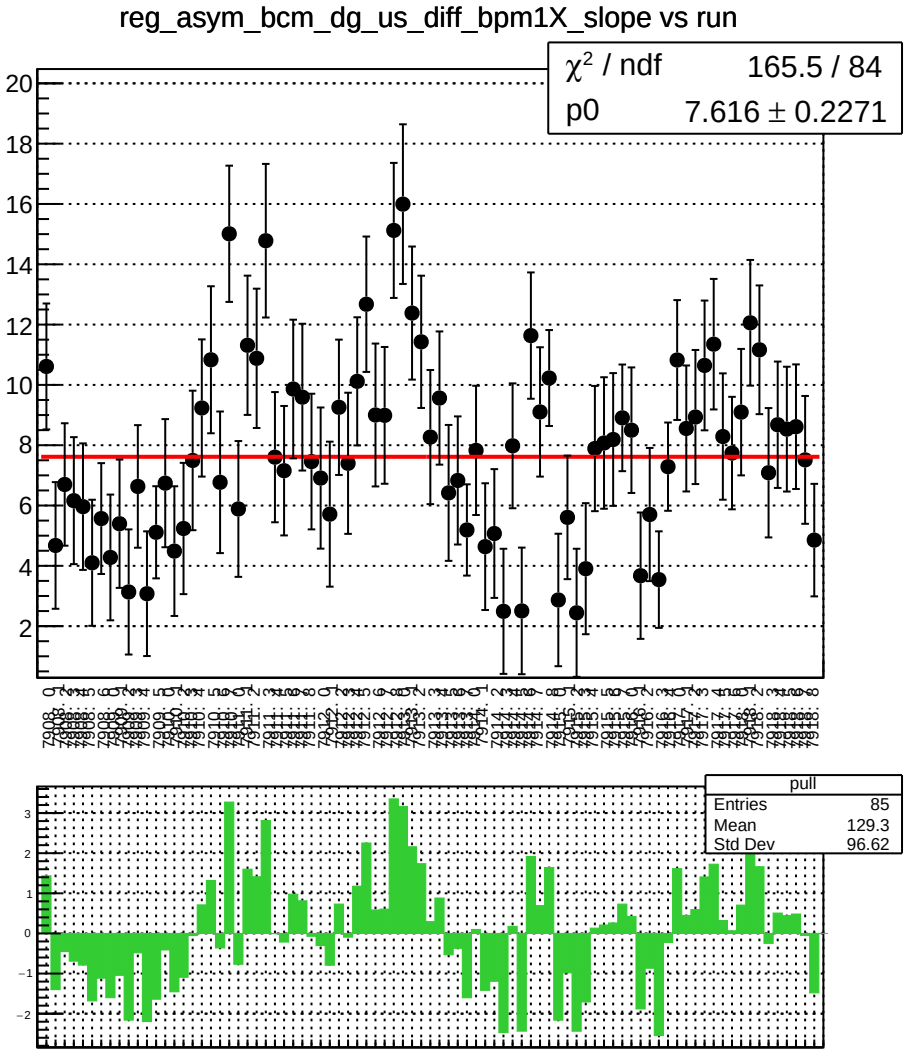

pull1D
Entries 85
Mean 0.002209
Std Dev 0.9673

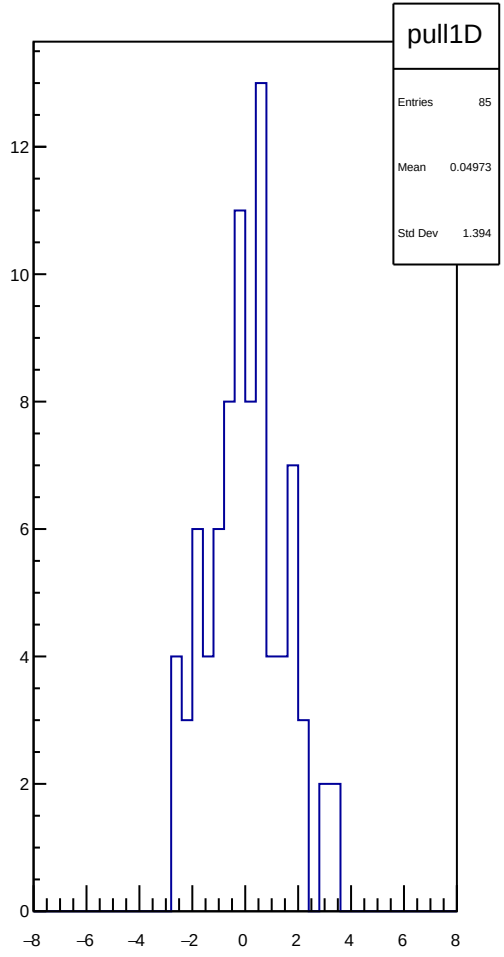

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 161.9 / 84
p0 −6.564 ± 0.1901
pull
Entries 85
Mean 132.8
Std Dev 92.99
pull1D
Entries 85
Mean −0.05886
Std Dev 1.379

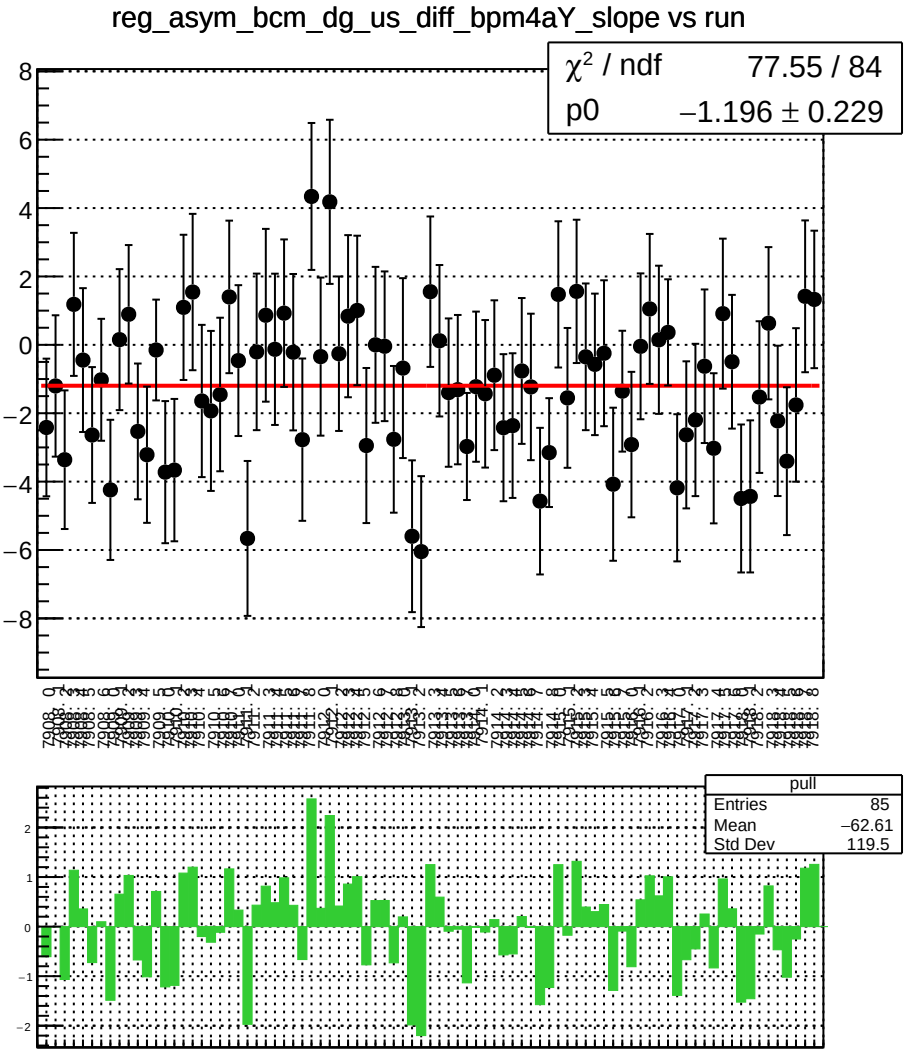

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 77.23 / 84
p0 0.4363 ± 0.263
pull
Entries 85
Mean 213.8
Std Dev 212.7

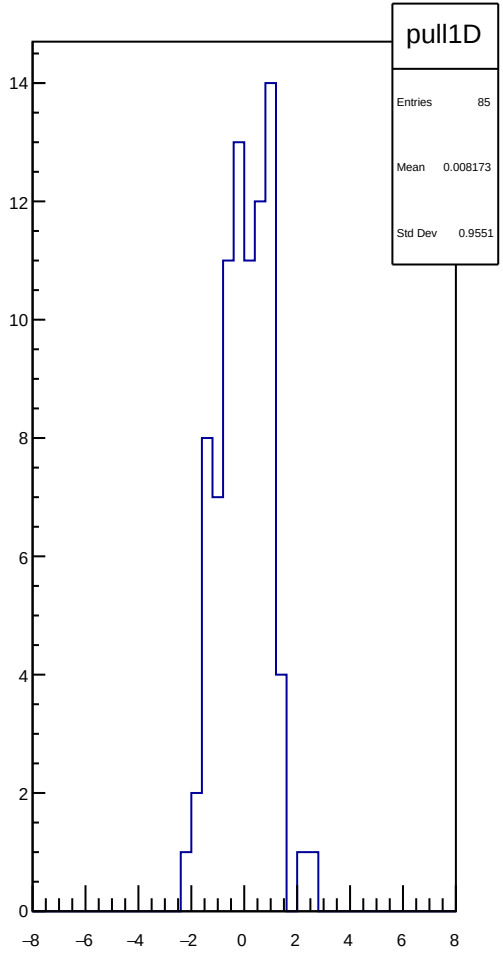

pull1D
Entries 85
Mean 0.000694
Std Dev 0.9532

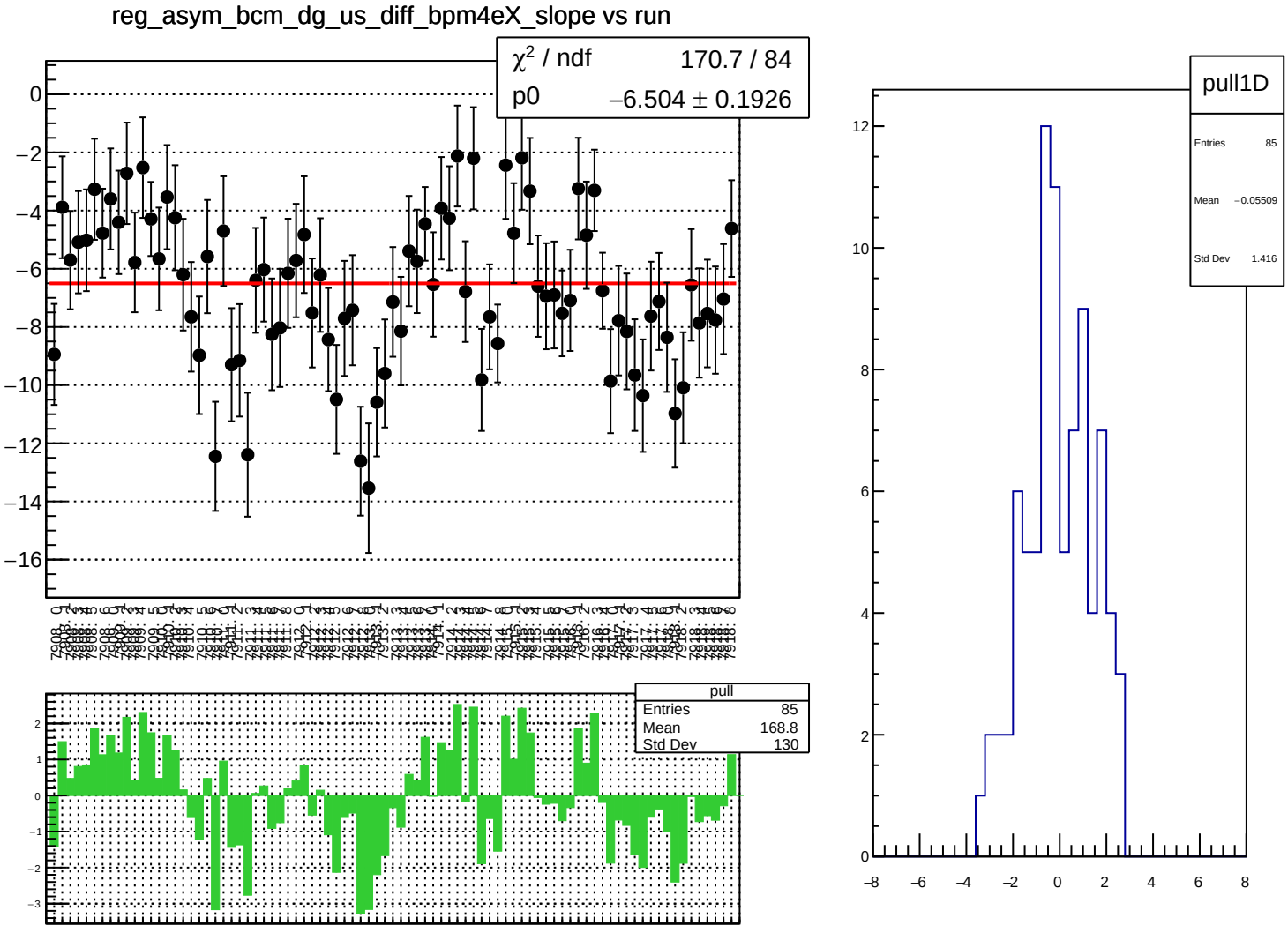

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 118.1 / 84
p0 0.1985 ± 0.007898
pull
Entries 85
Mean −168.4
Std Dev 220.2
pull1D
Entries 85
Mean 0.03576
Std Dev 1.178

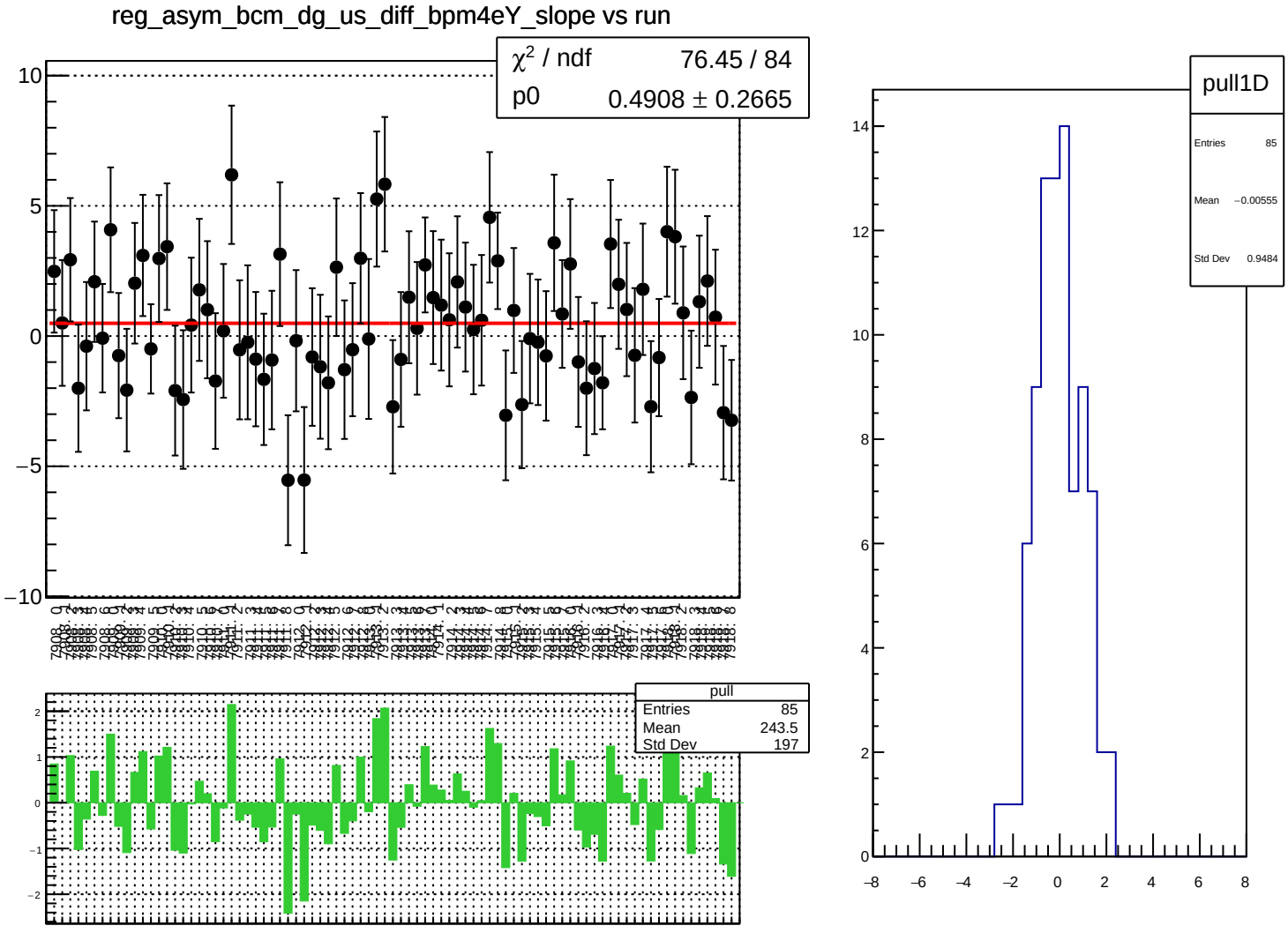

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 165.5 / 84
p0 7.616 ± 0.2271
pull
Entries 85
Mean 129.3
Std Dev 96.62

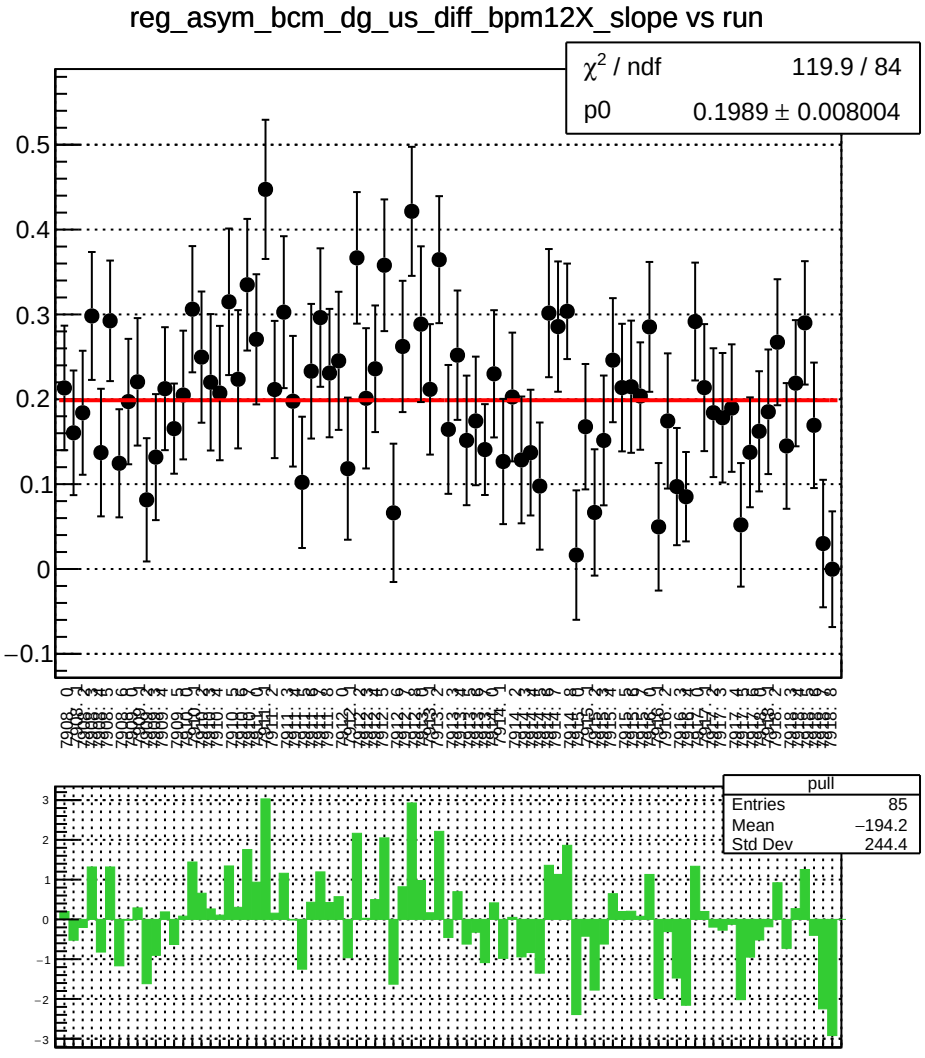

pull1D
Entries 85
Mean 0.04973
Std Dev 1.394

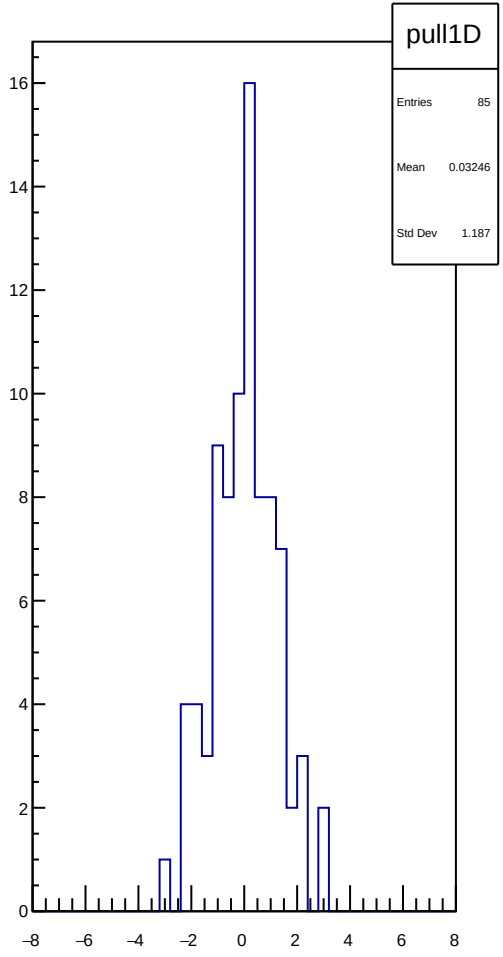

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 77.55 / 84
p0 −1.196 ± 0.229
pull
Entries 85
Mean −62.61
Std Dev 119.5


pull1D
Entries 85
Mean 0.008173
Std Dev 0.9551


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 170.7 / 84
p0 −6.504 ± 0.1926
pull
Entries 85
Mean 168.8
Std Dev 130
pull1D
Entries 85
Mean −0.05509
Std Dev 1.416


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 76.45 / 84
p0 0.4908 ± 0.2665
pull
Entries 85
Mean 243.5
Std Dev 197
pull1D
Entries 85
Mean −0.00555
Std Dev 0.9484


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ2 / ndf 119.9 / 84
p0 0.1989 ± 0.008004
pull
Entries 85
Mean −194.2
Std Dev 244.4


pull1D
Entries 85
Mean 0.03246
Std Dev 1.187