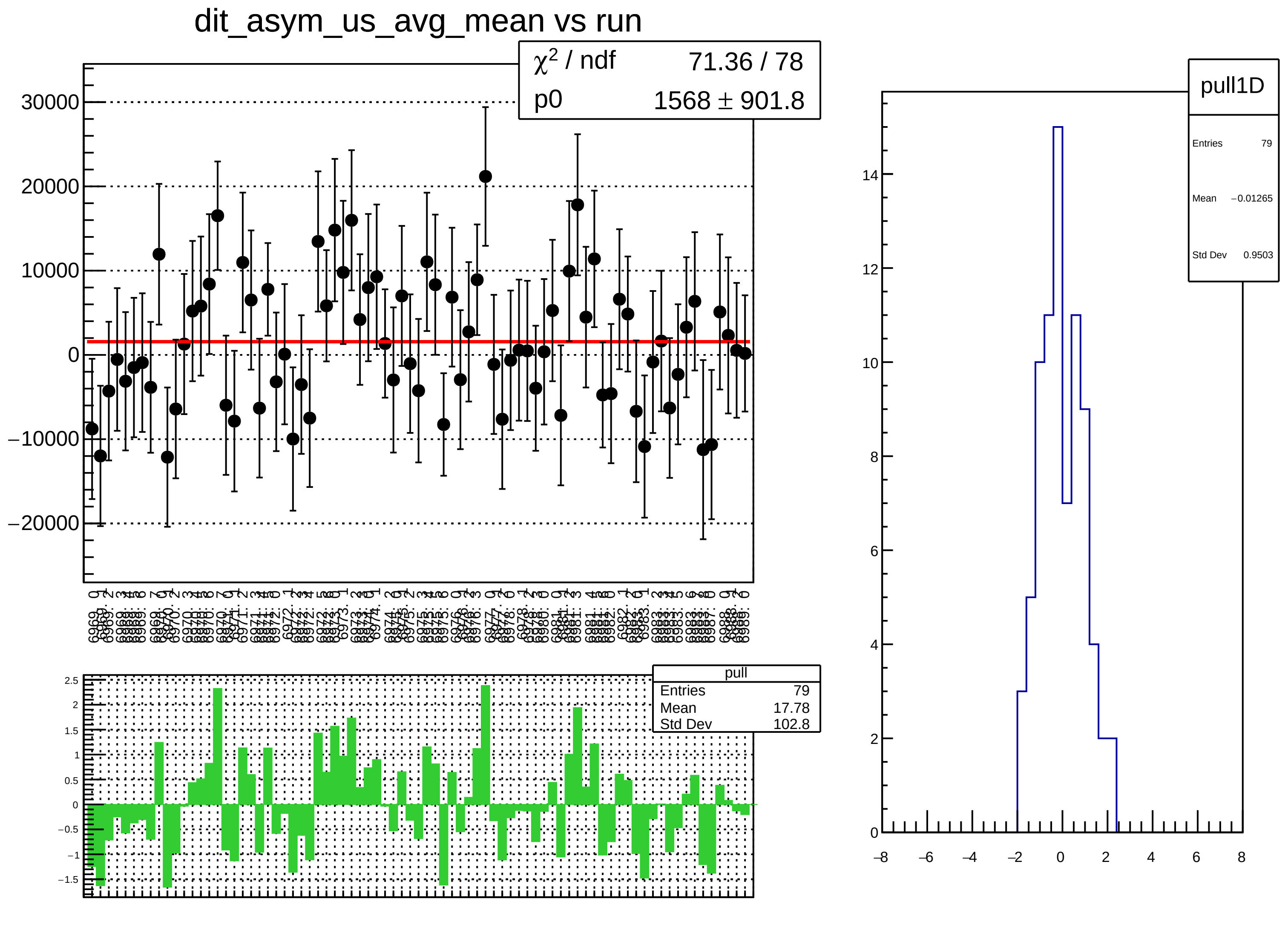
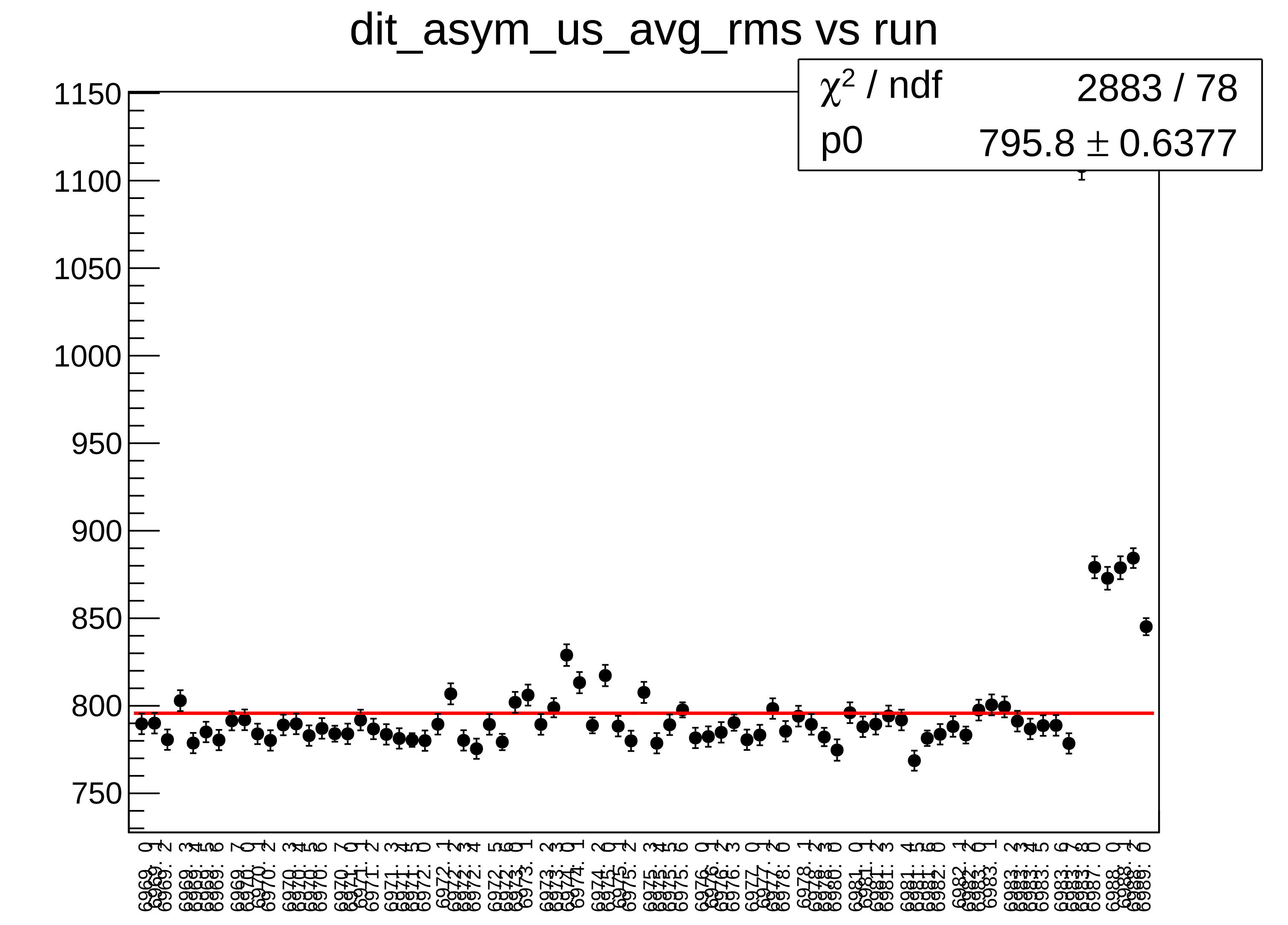
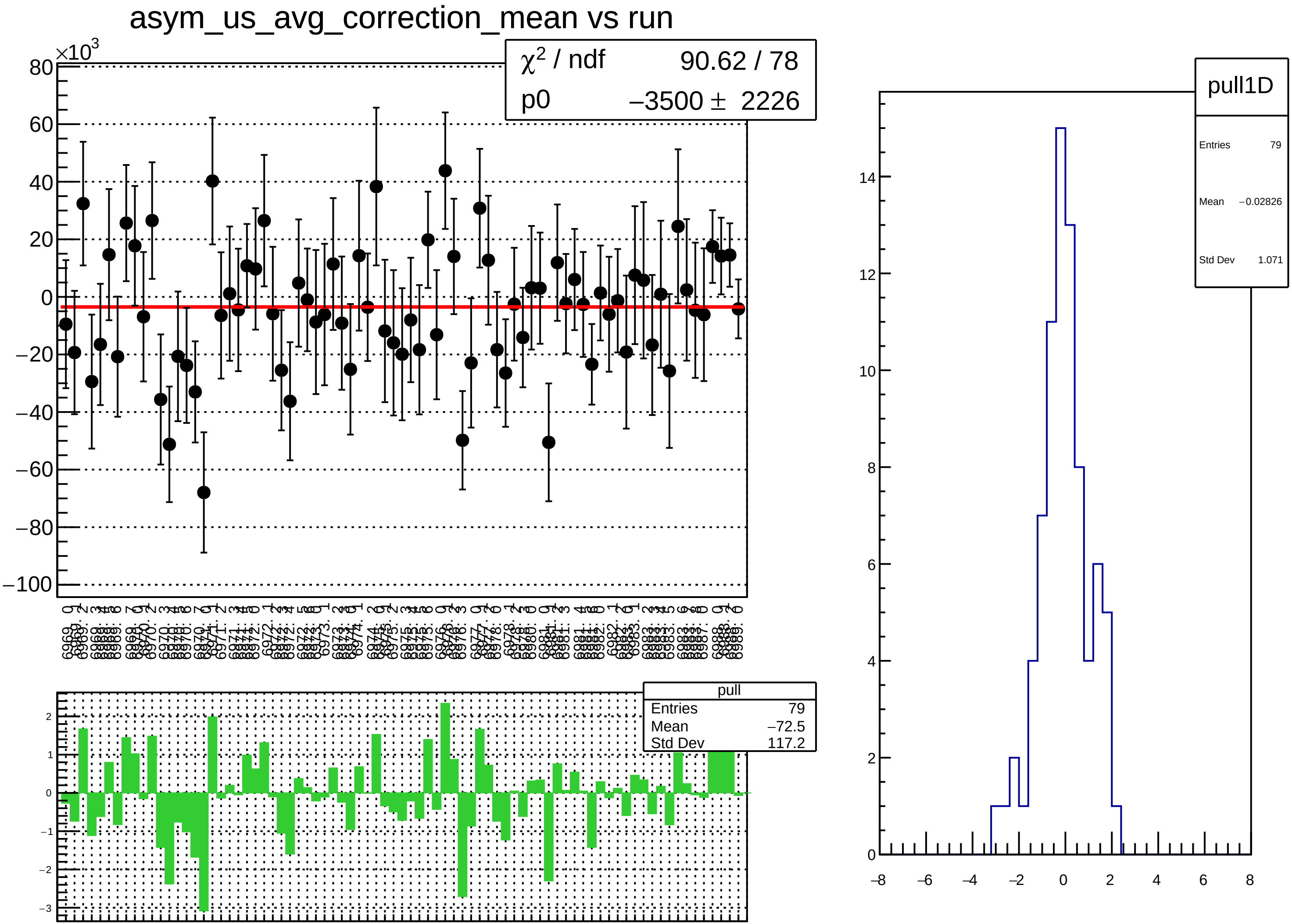
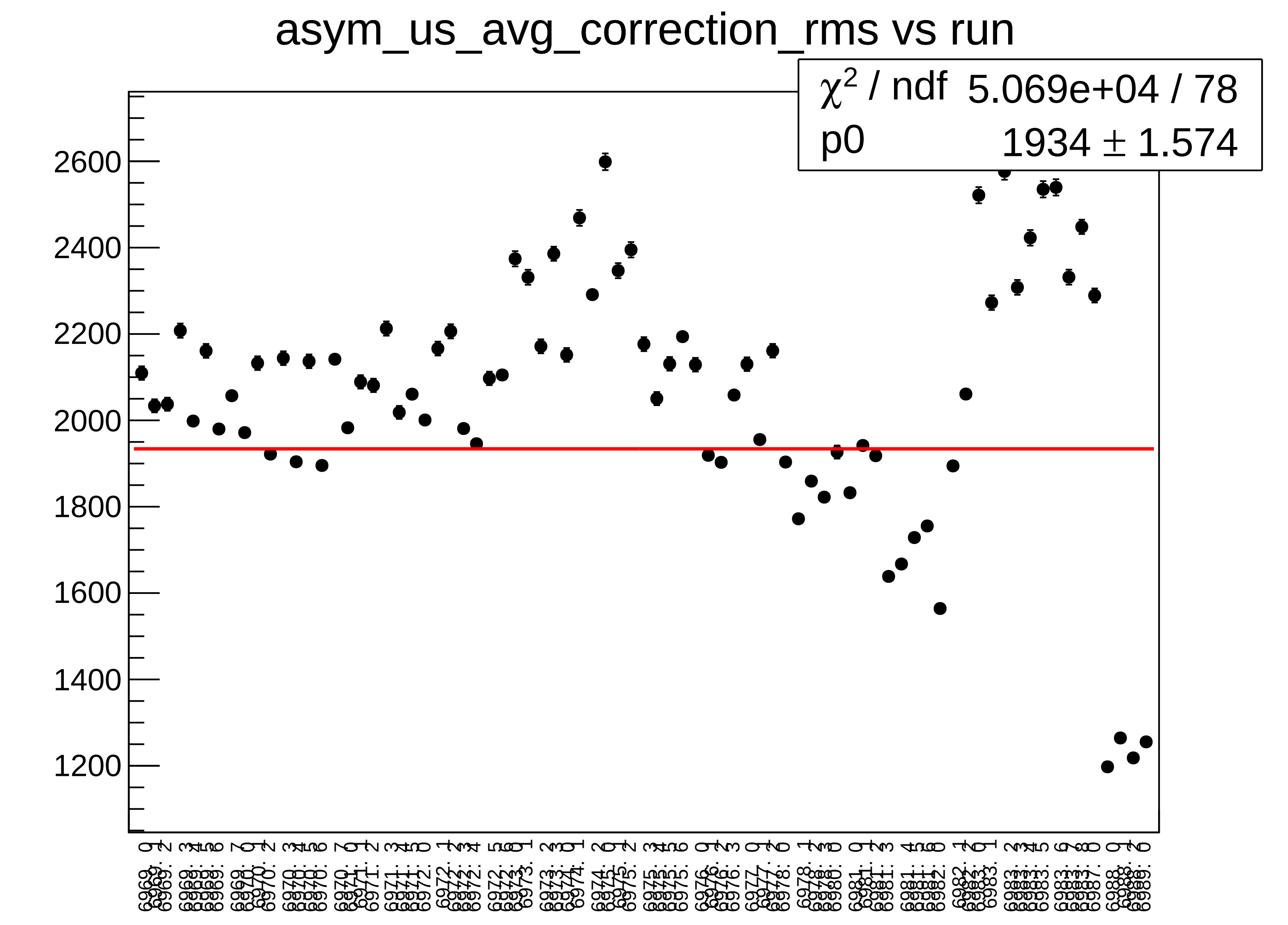
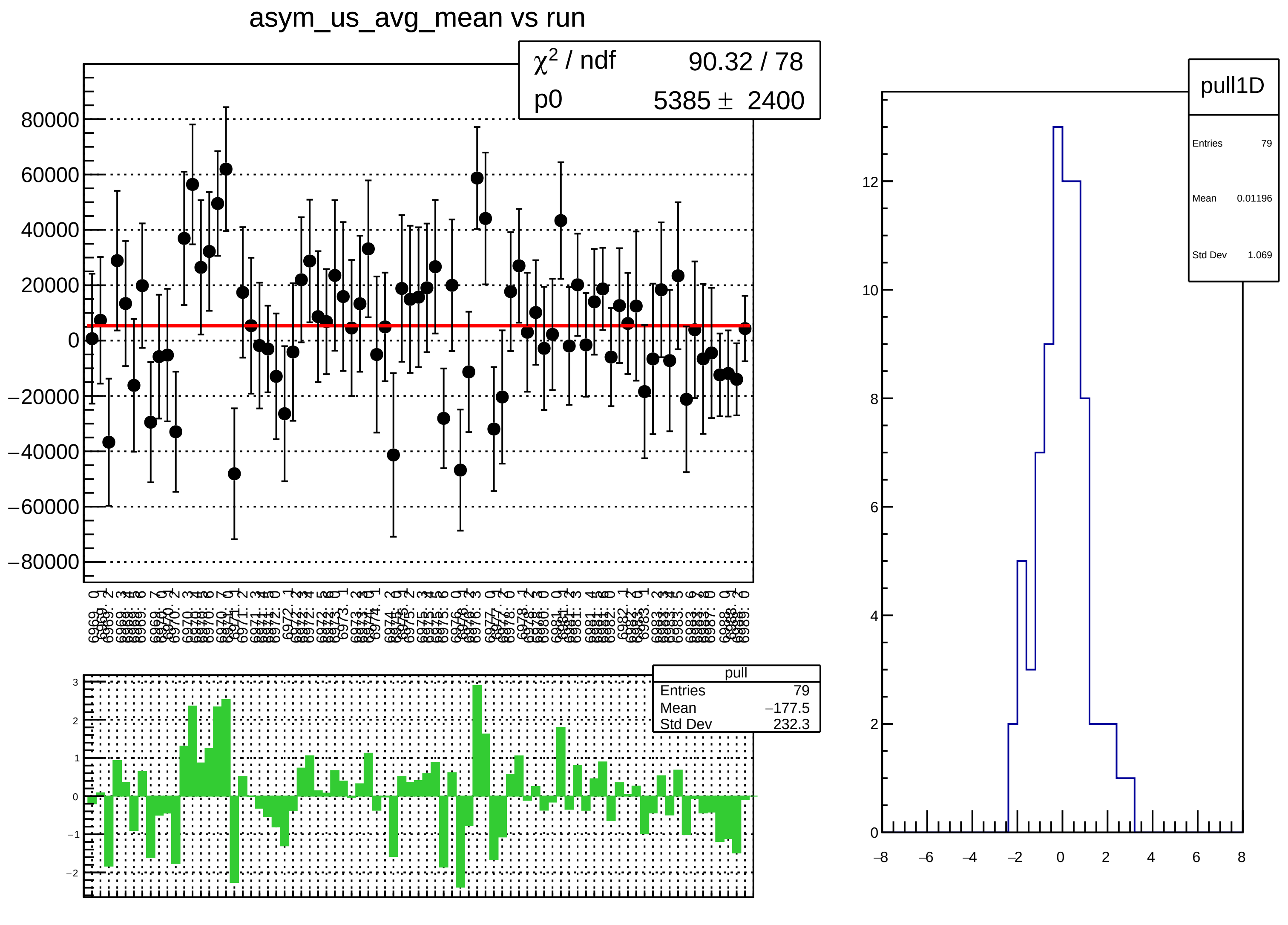

dit_asym_us_avg_mean vs run
χ2 / ndf 71.36 / 78
p0 1568 ± 901.8
pull
Entries 79
Mean 17.78
Std Dev 102.8
pull1D
Entries 79
Mean −0.01265
Std Dev 0.9503

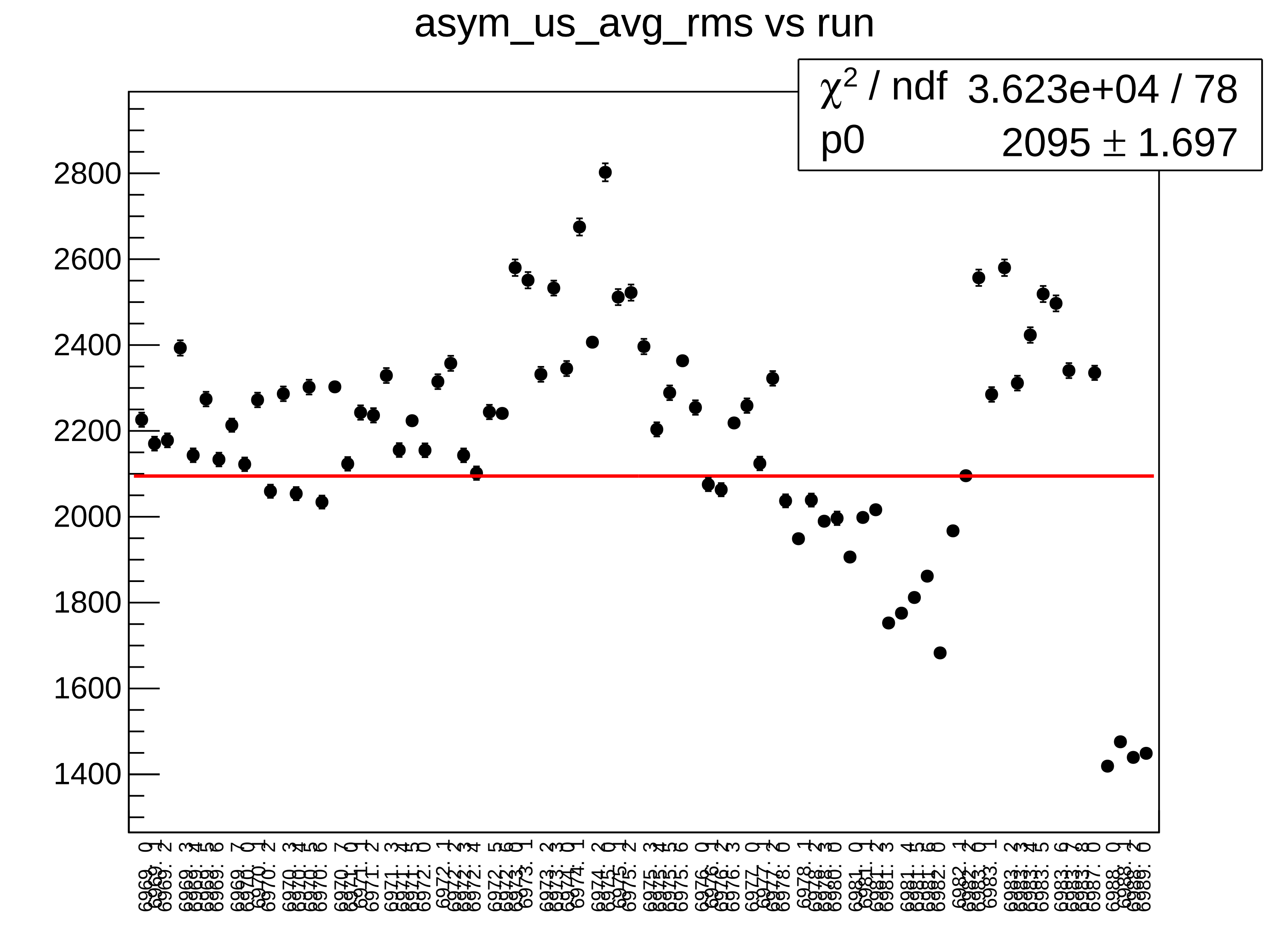

dit_asym_us_avg_rms vs run
χ2 / ndf 2883 / 78
p0 795.8 ± 0.6377
1150
1100
1050
1000
950
900
850
800
750



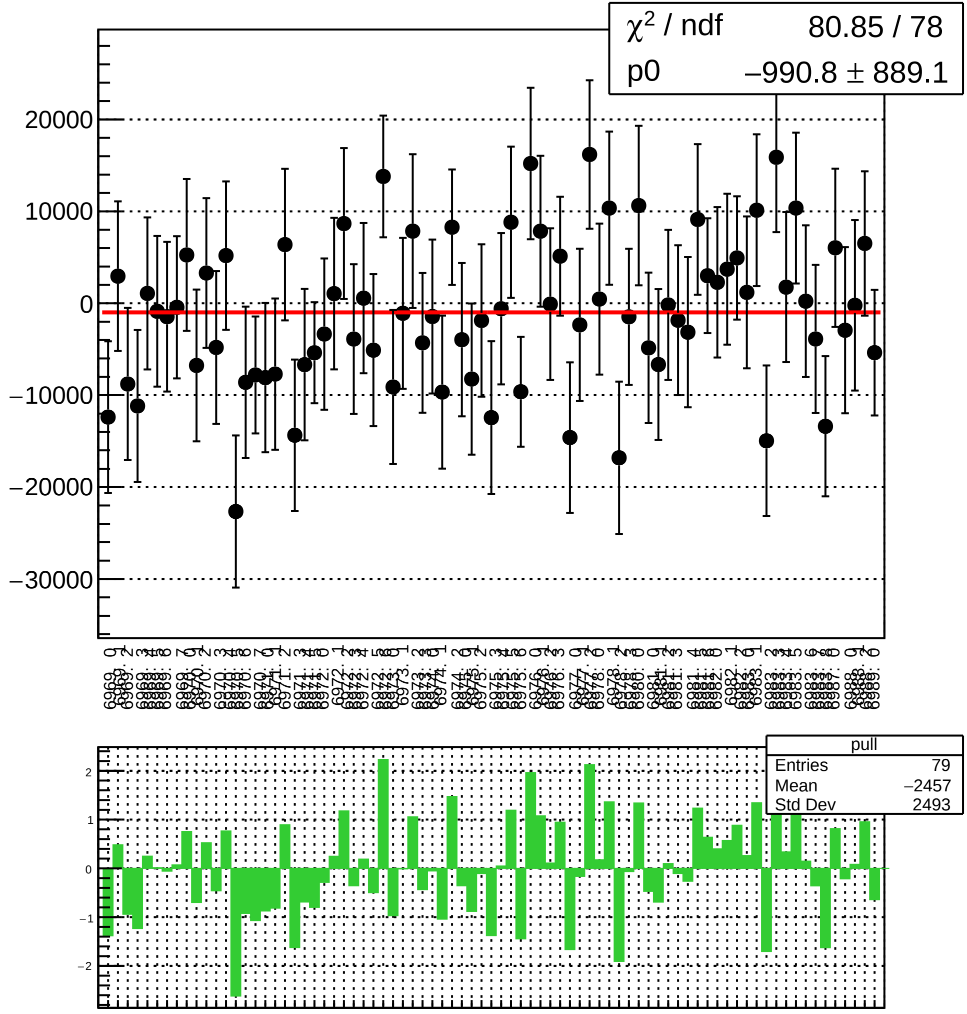
asym_us_avg_correction_mean vs run
χ^2 / ndf 90.62 / 78
p0 −3500 ± 2226
pull
Entries 79
Mean −72.5
Std Dev 117.2
pull1D
Entries 79
Mean −0.02826
Std Dev 1.071

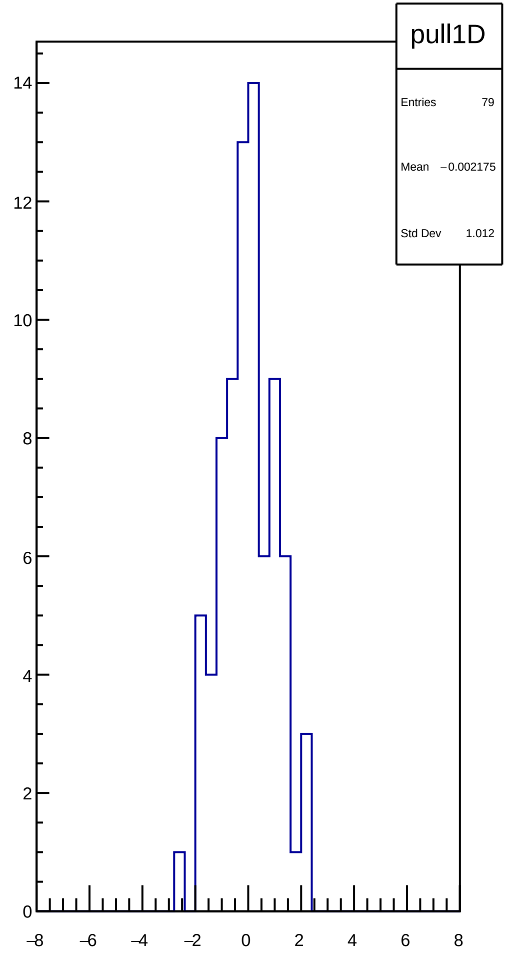

asym_us_avg_correction_rms vs run
χ2 / ndf 5.069e+04 / 78
p0 1934 ± 1.574
2600
2400
2200
2000
1800
1600
1400
1200

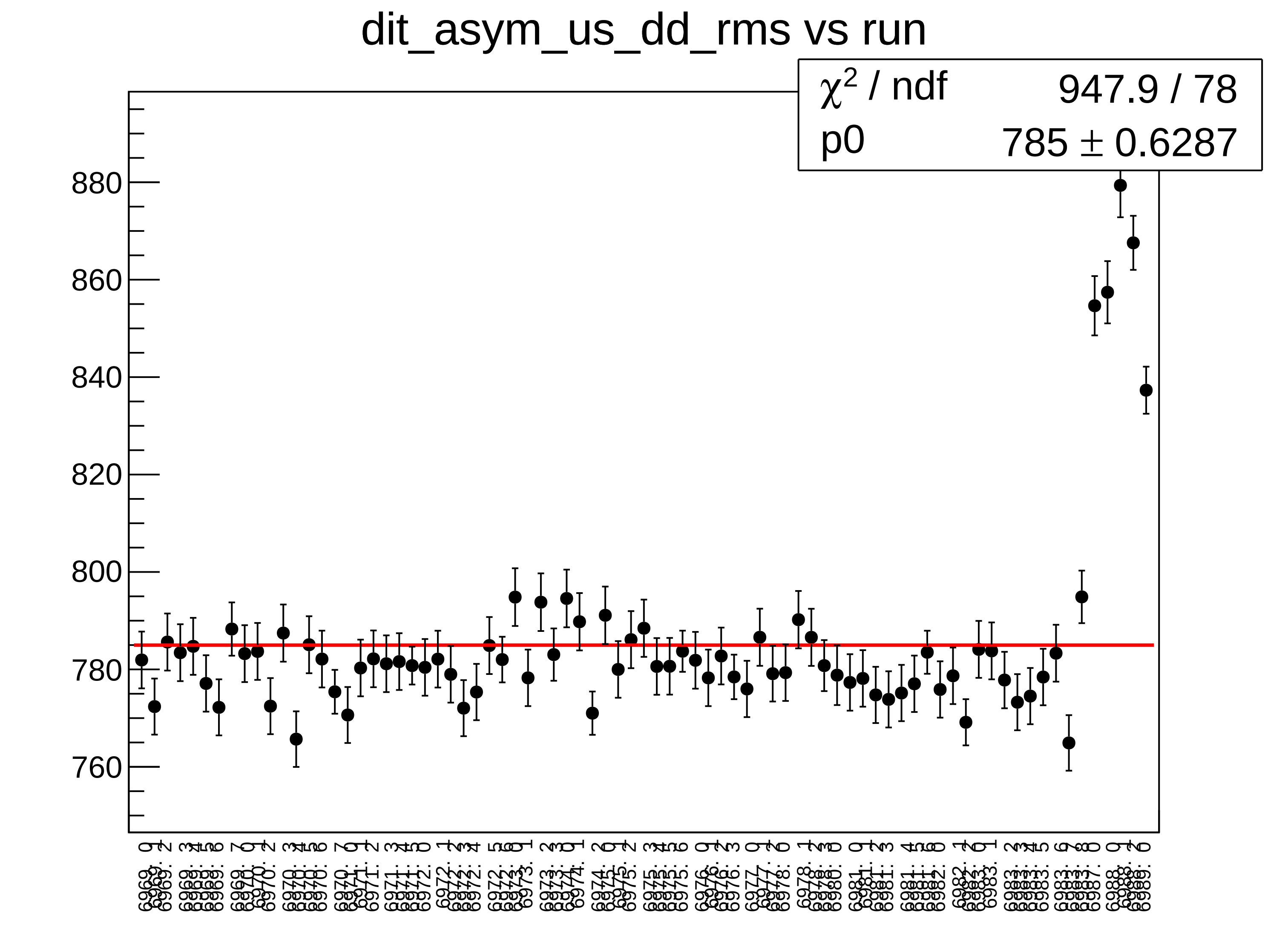

asym_us_avg_mean vs run
χ^2 / ndf 90.32 / 78
p0 5385 ± 2400
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 79
Mean −177.5
Std Dev 232.3
3
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.01196
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

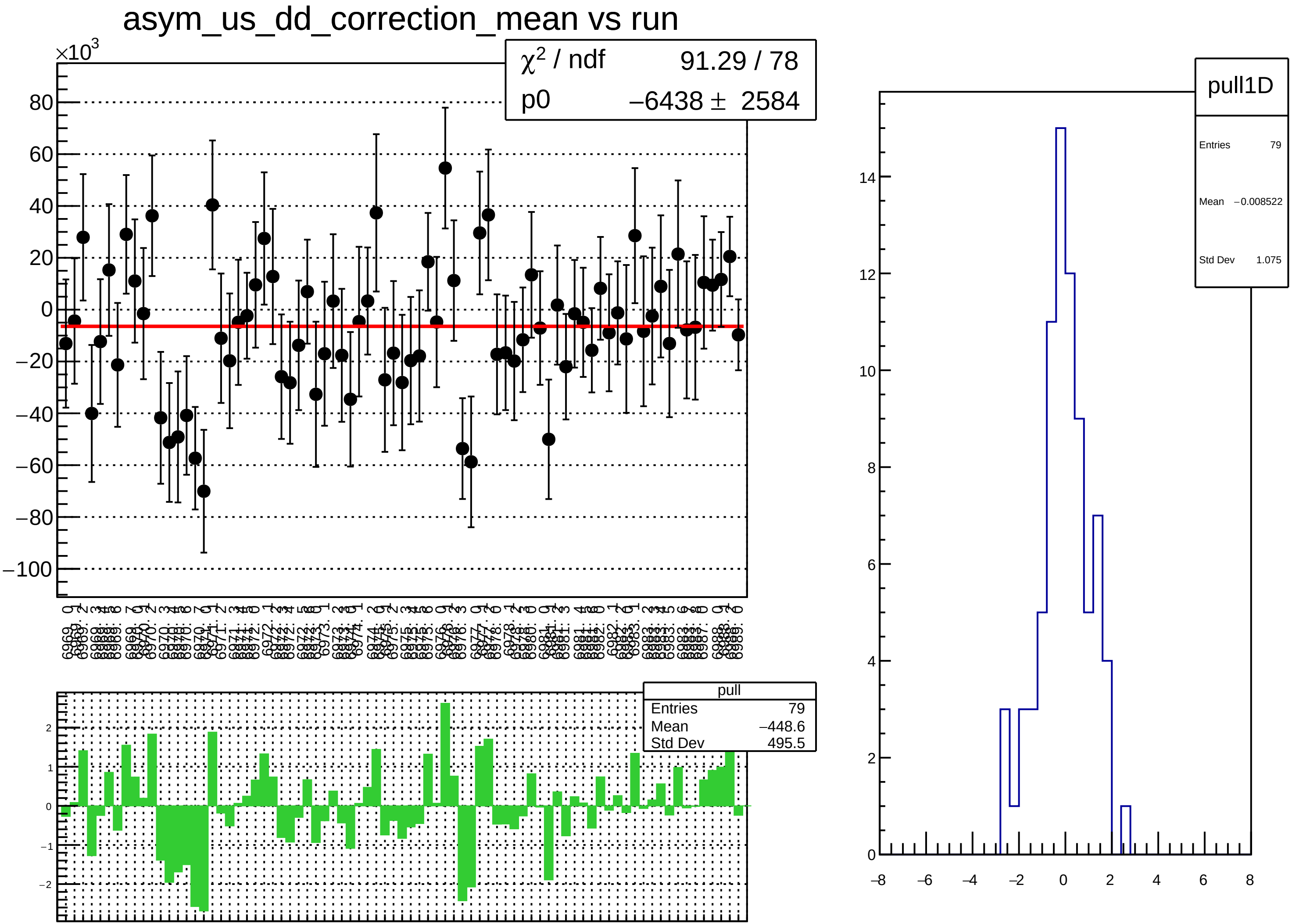

asym_us_avg_rms vs run
χ^2 / ndf 3.623e+04 / 78
p0 2095 ± 1.697
2800
2600
2400
2200
2000
1800
1600
1400

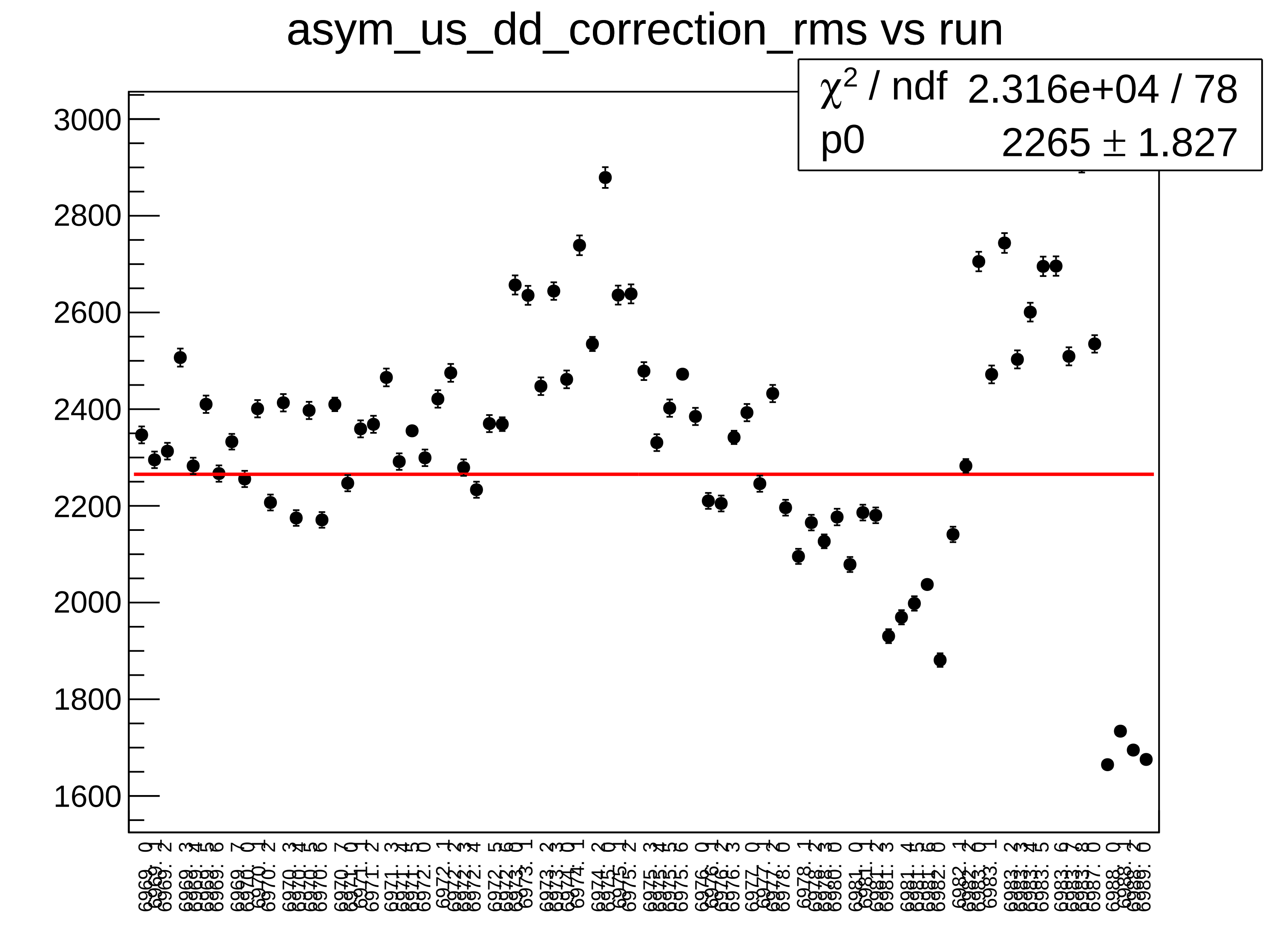
dit_asym_us_dd_mean vs run

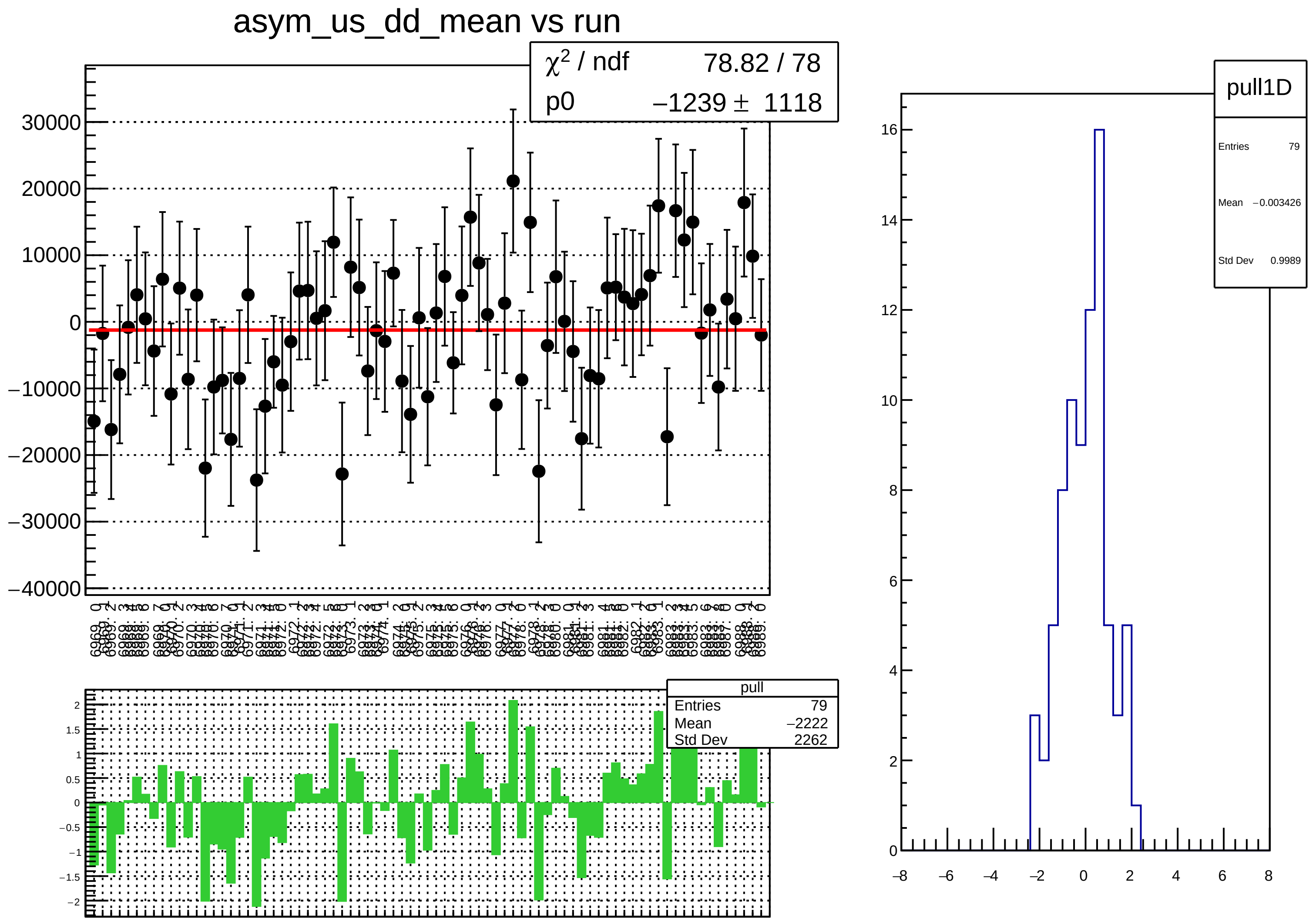




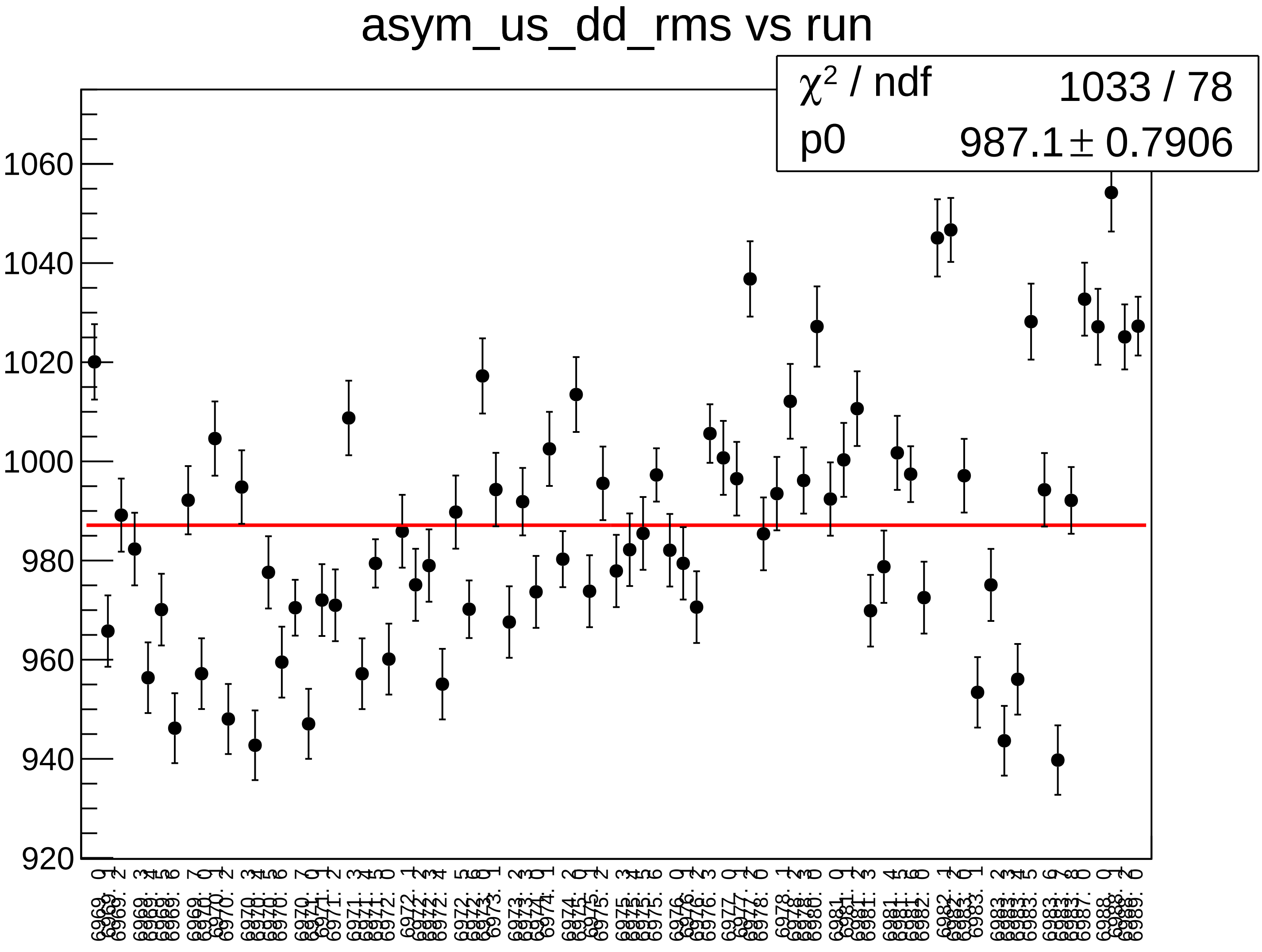

dit_asym_us_dd_rms vs run
χ^2 / ndf 947.9 / 78
p0 785 ± 0.6287
880
860
840
820
800
780
760


asym_us_dd_correction_mean vs run
×10^3
χ2 / ndf 91.29 / 78
p0 −6438 ± 2584
pull
Entries 79
Mean −448.6
Std Dev 495.5
pull1D
Entries 79
Mean −0.008522
Std Dev 1.075

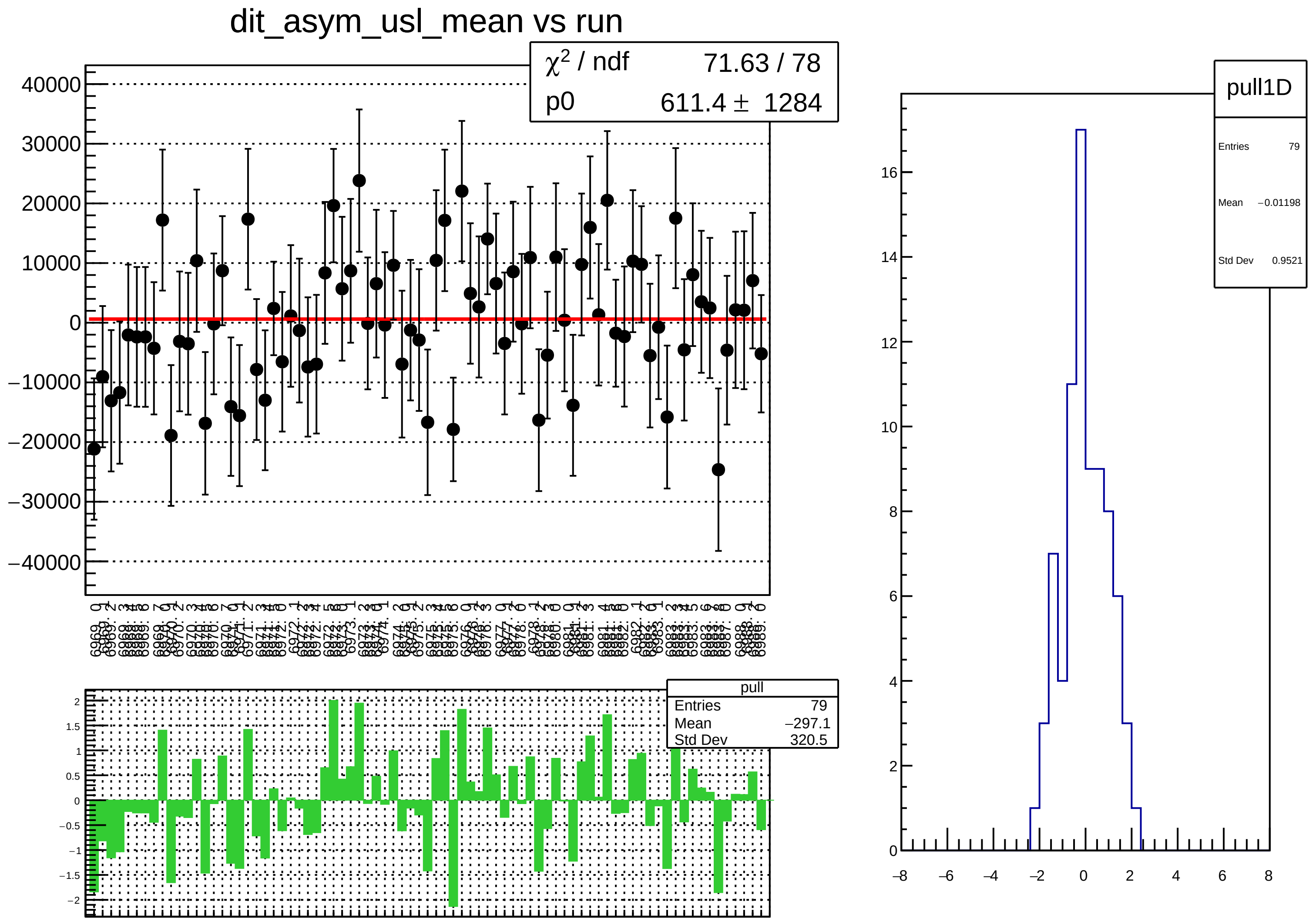

asym_us_dd_correction_rms vs run
χ2 / ndf 2.316e+04 / 78
p0 2265 ± 1.827
3000
2800
2600
2400
2200
2000
1800
1600



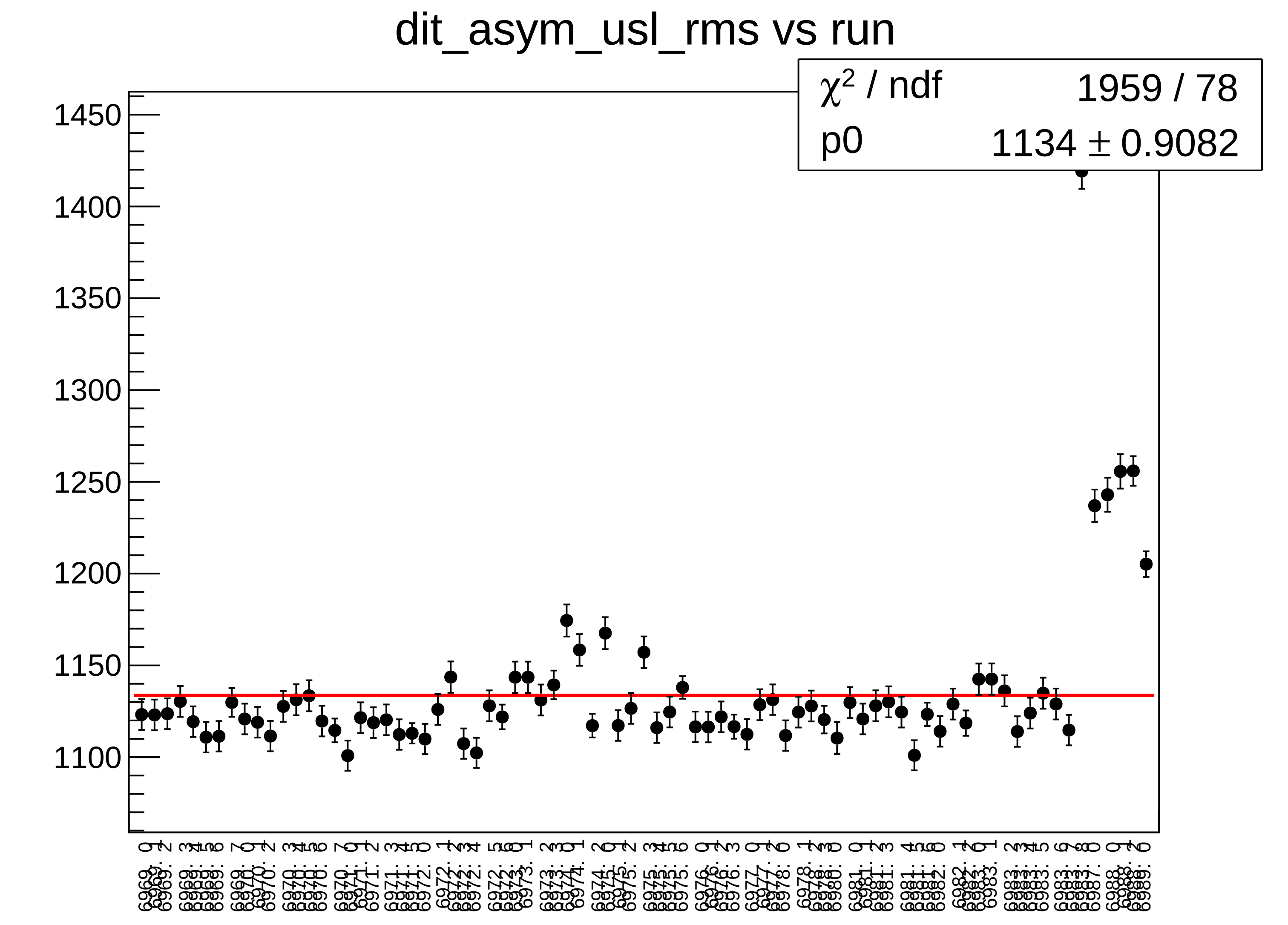
asym_us_dd_mean vs run
χ2 / ndf 78.82 / 78
p0 −1239 ± 1118
pull
Entries 79
Mean −2222
Std Dev 2262
pull1D
Entries 79
Mean −0.003426
Std Dev 0.9989

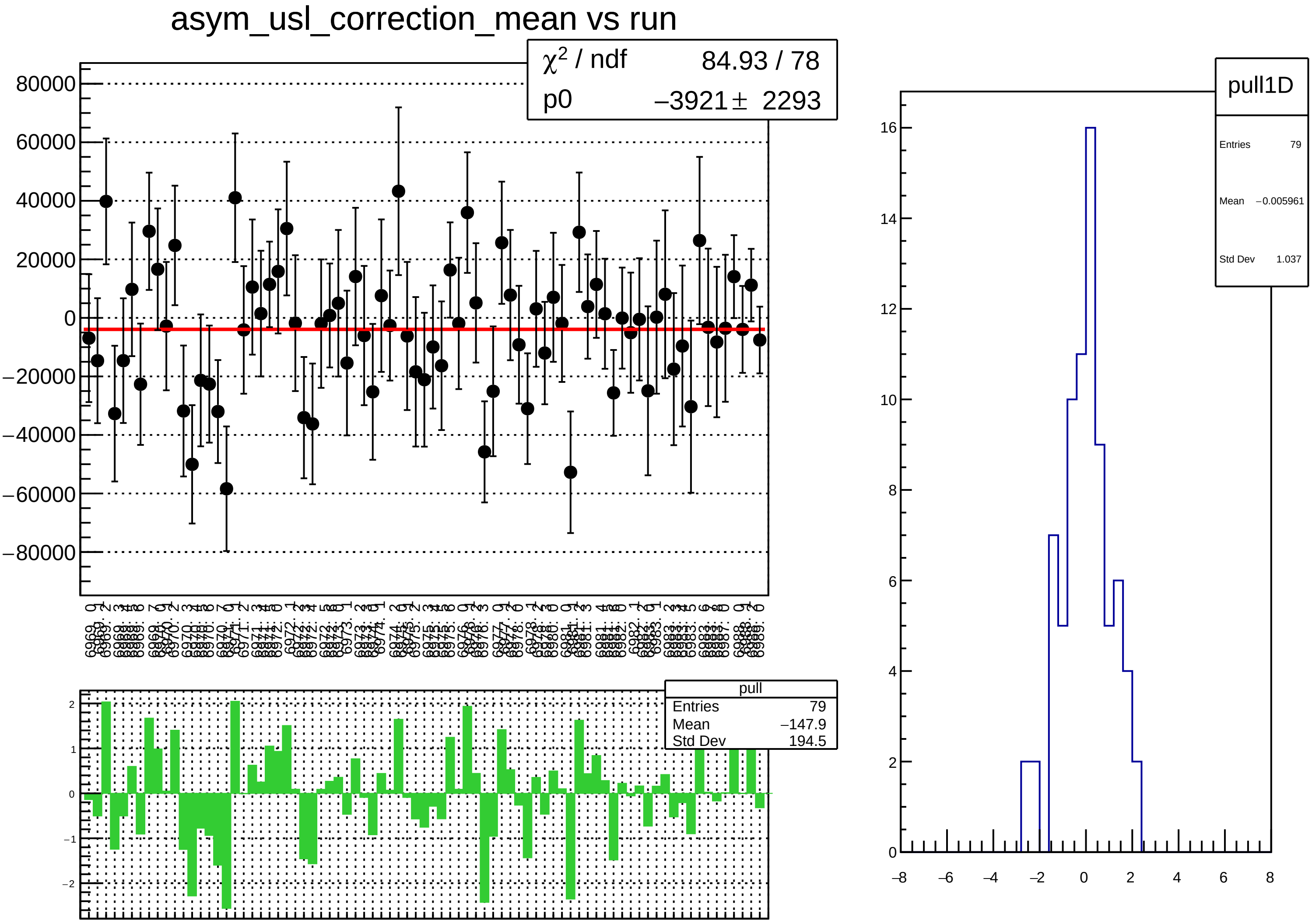


asym_us_dd_rms vs run
χ^2 / ndf 1033 / 78
p0 987.1 ± 0.7906
1060
1040
1020
1000
980
960
940
920

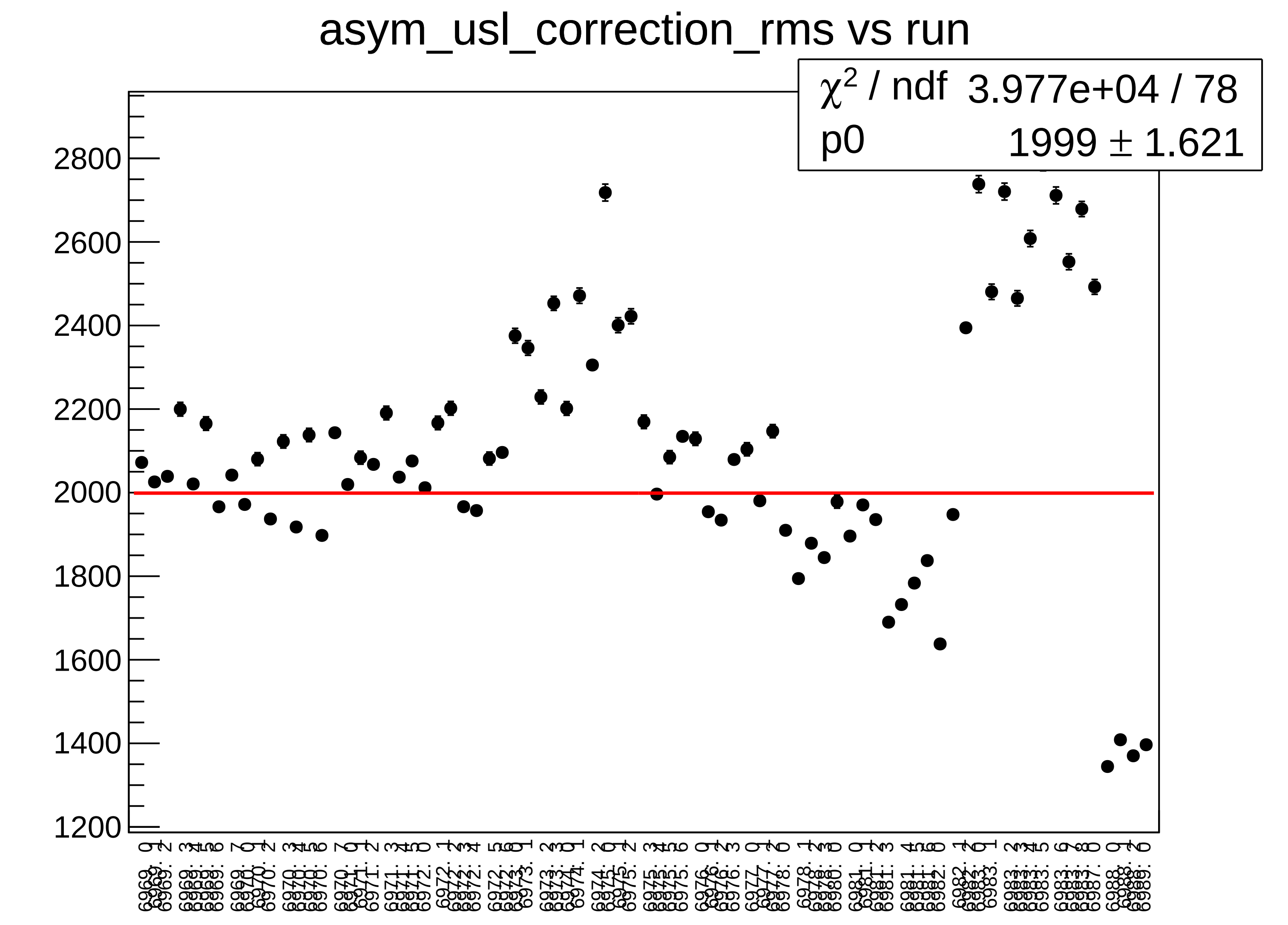


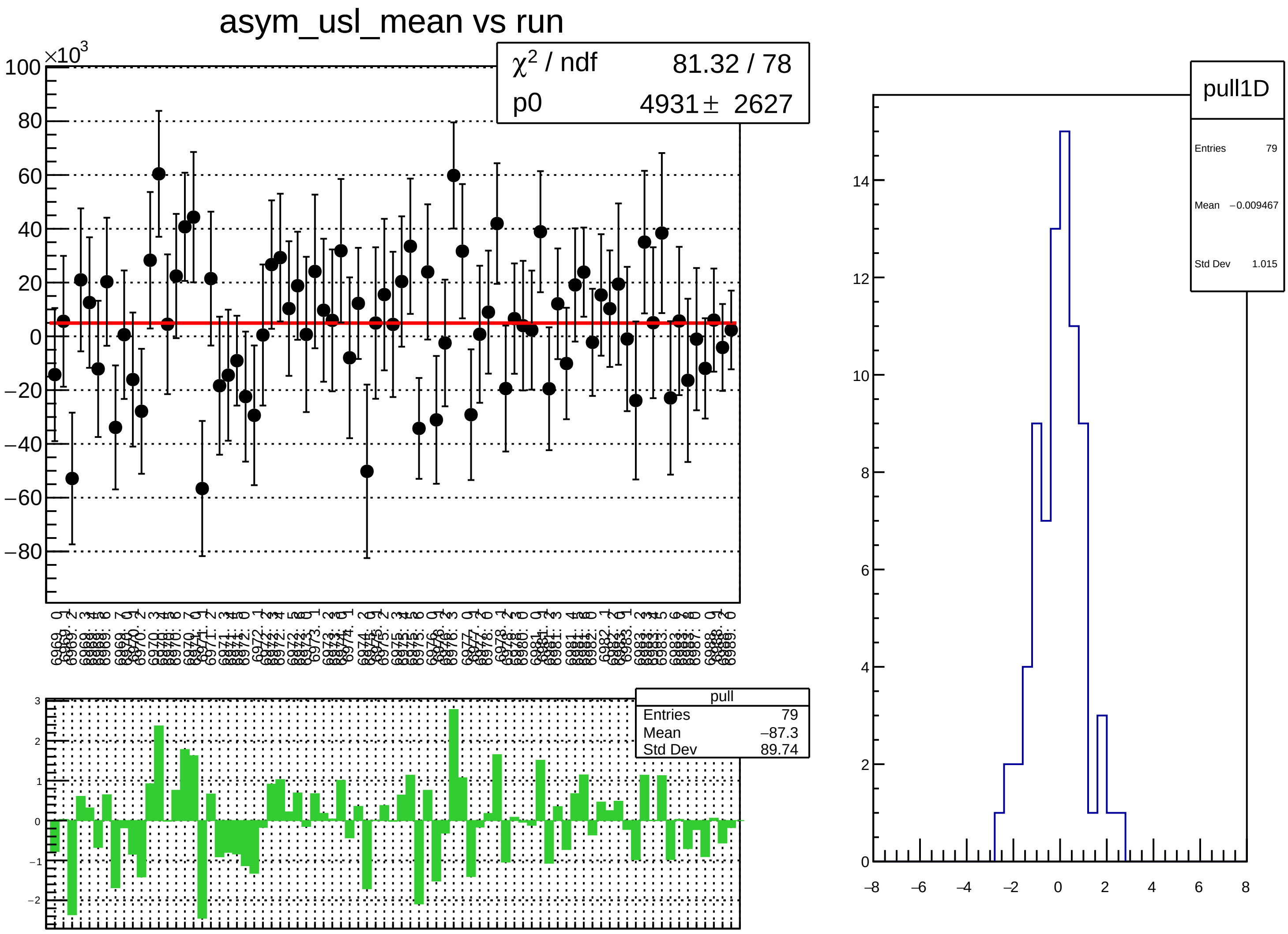
dit_asym_usl_mean vs run
χ^2 / ndf 71.63 / 78
p0 611.4 ± 1284
pull
Entries 79
Mean −297.1
Std Dev 320.5
pull1D
Entries 79
Mean −0.01198
Std Dev 0.9521


dit_asym_usl_rms vs run
χ^2 / ndf 1959 / 78
p0 1134 ± 0.9082
1450
1400
1350
1300
1250
1200
1150
1100

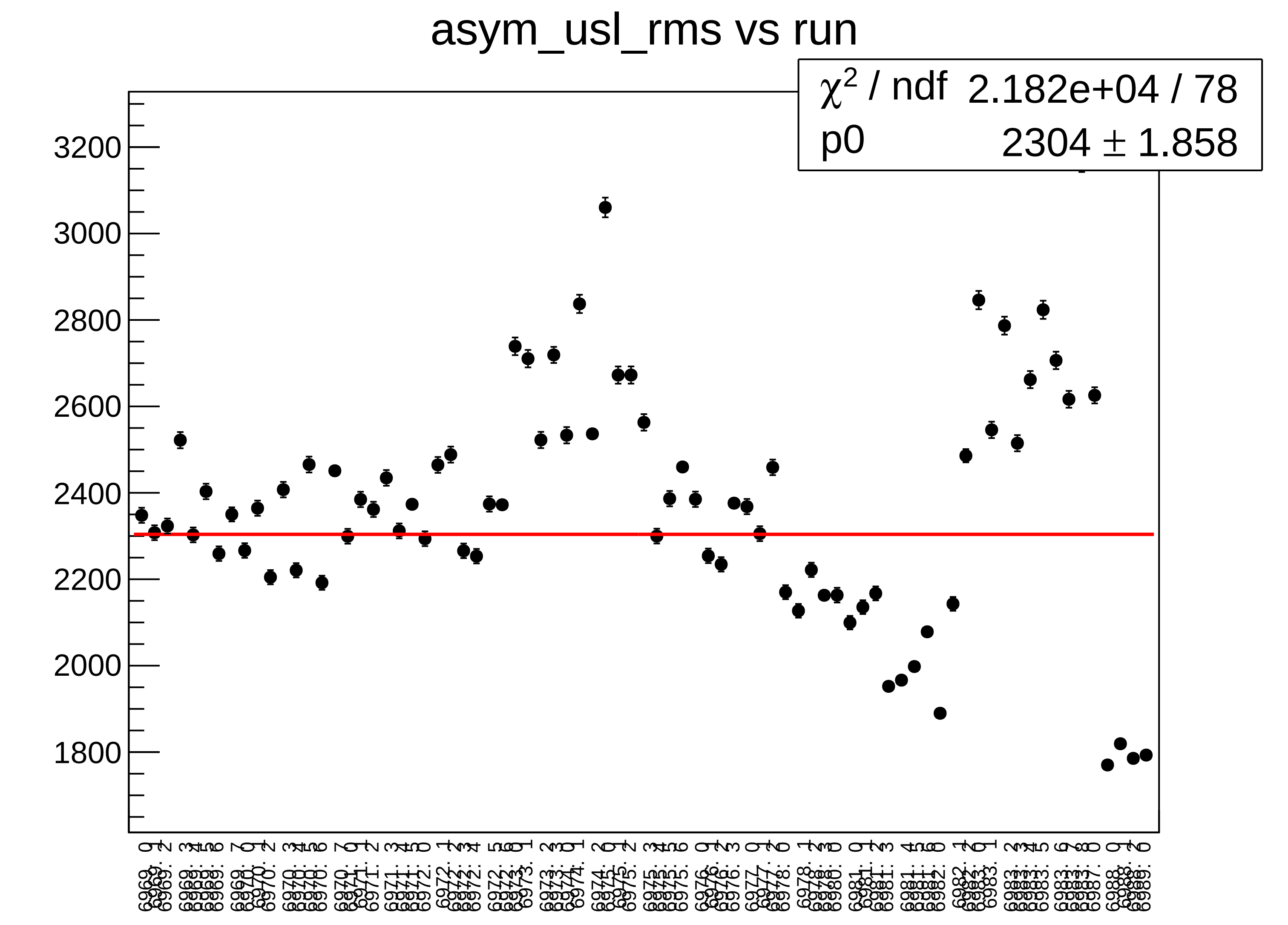


asym_usl_correction_mean vs run
χ2 / ndf 84.93 / 78
p0 −3921 ± 2293
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 79
Mean −147.9
Std Dev 194.5
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.005961
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

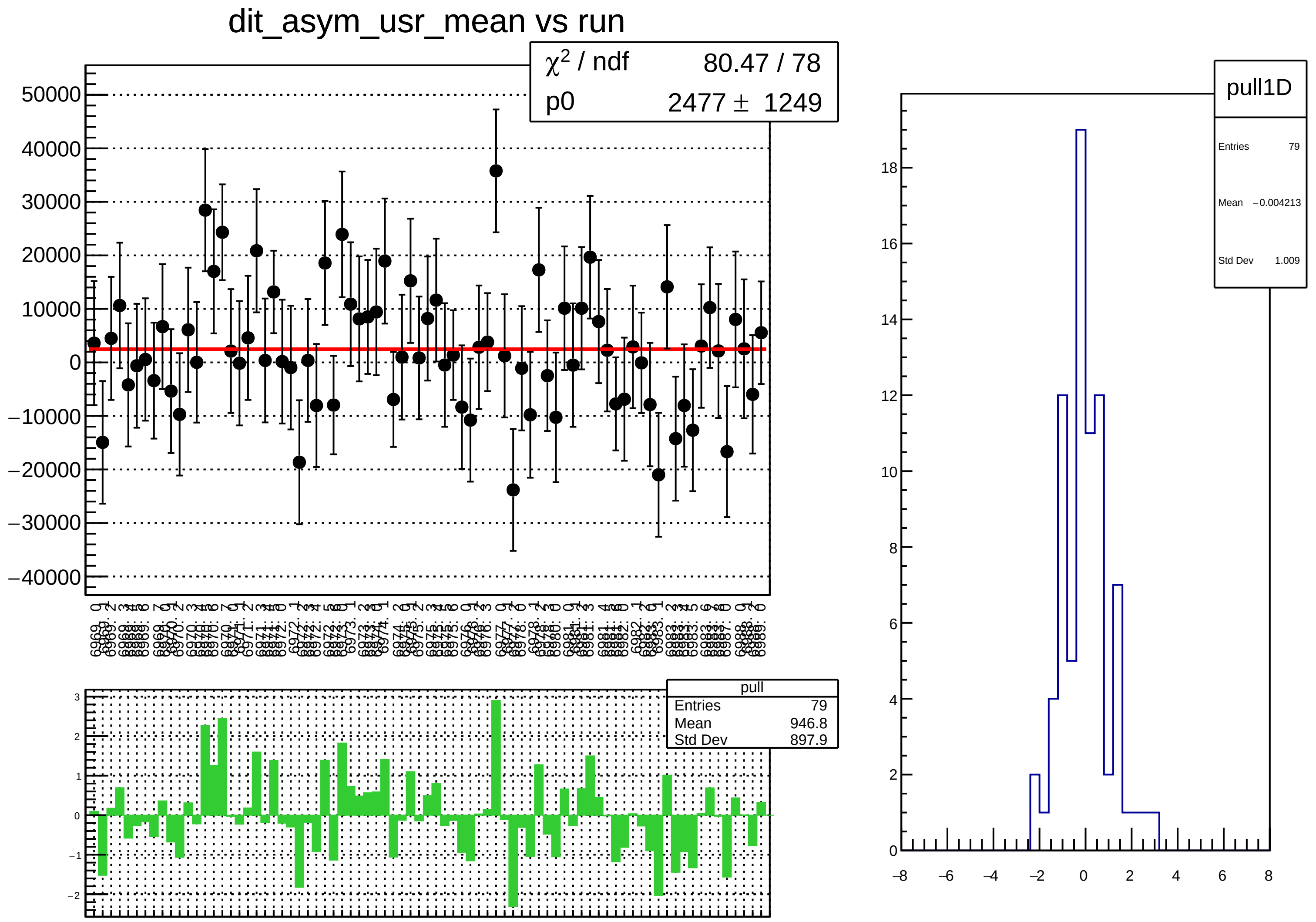

asym_usl_correction_rms vs run
χ^2 / ndf 3.977e+04 / 78
p0 1999 ± 1.621
2800
2600
2400
2200
2000
1800
1600
1400
1200



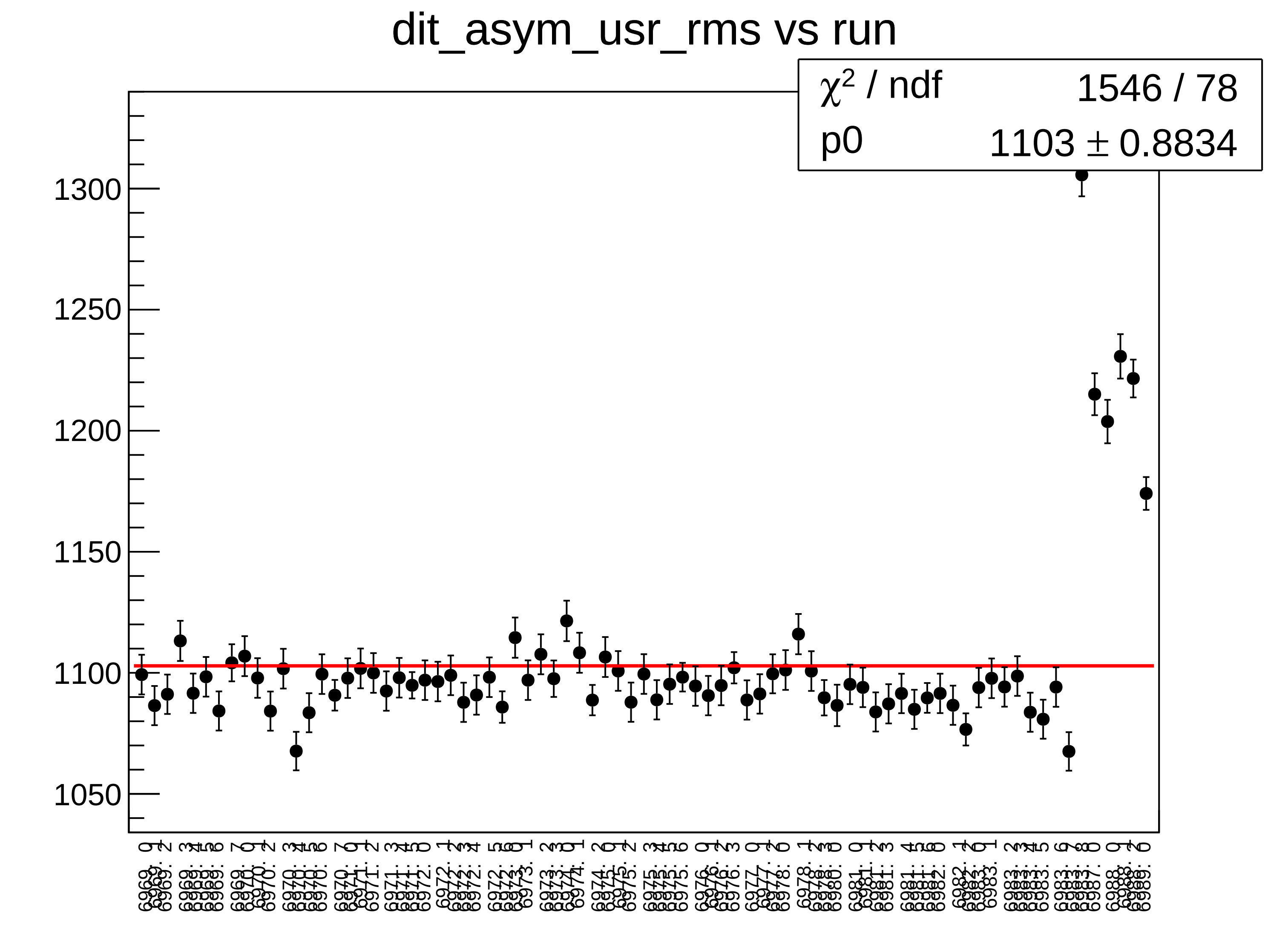
asym_usl_mean vs run
χ^2 / ndf 81.32 / 78
p0 4931 ± 2627
×10^3
pull
Entries 79
Mean −87.3
Std Dev 89.74
pull1D
Entries 79
Mean −0.009467
Std Dev 1.015

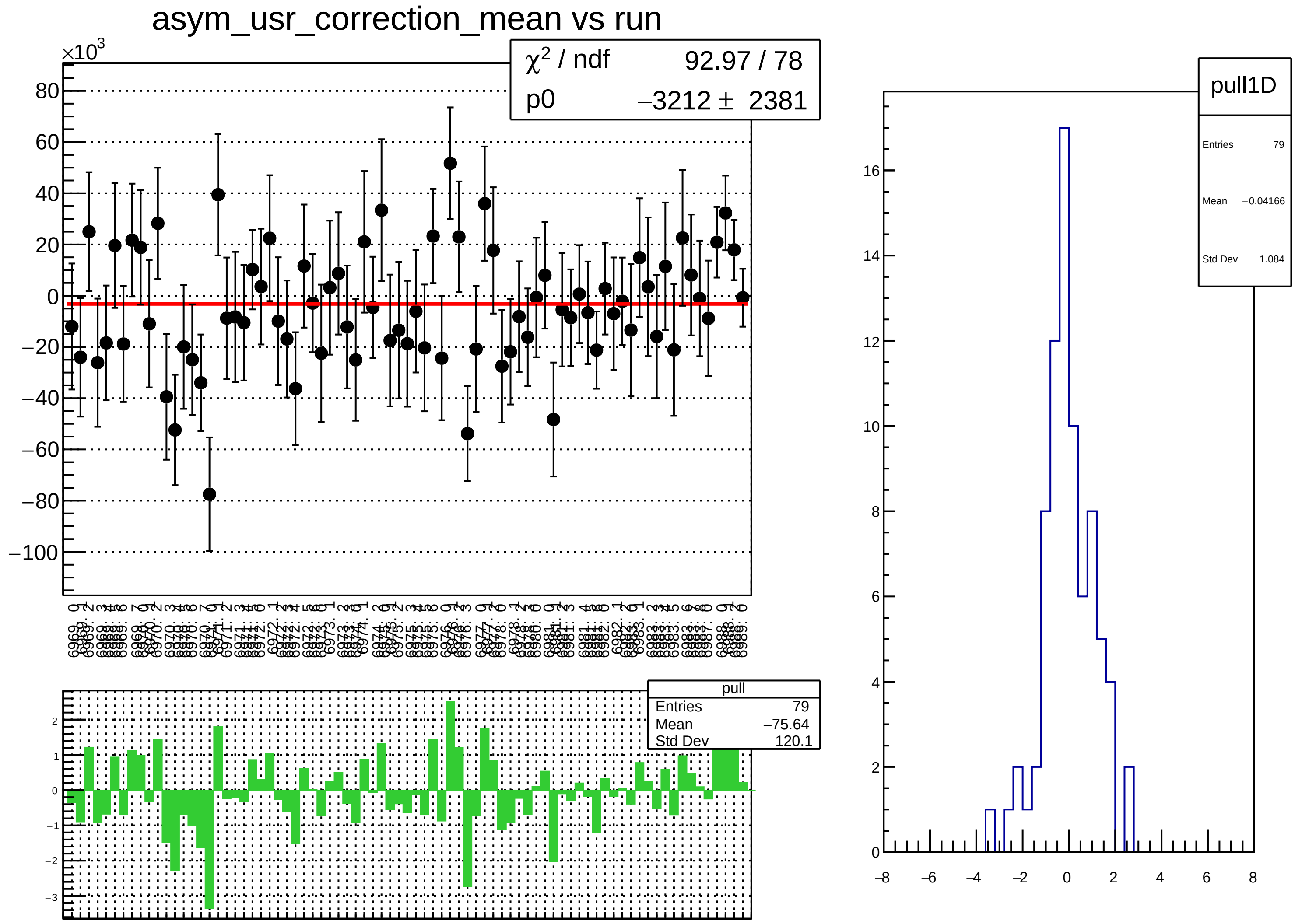


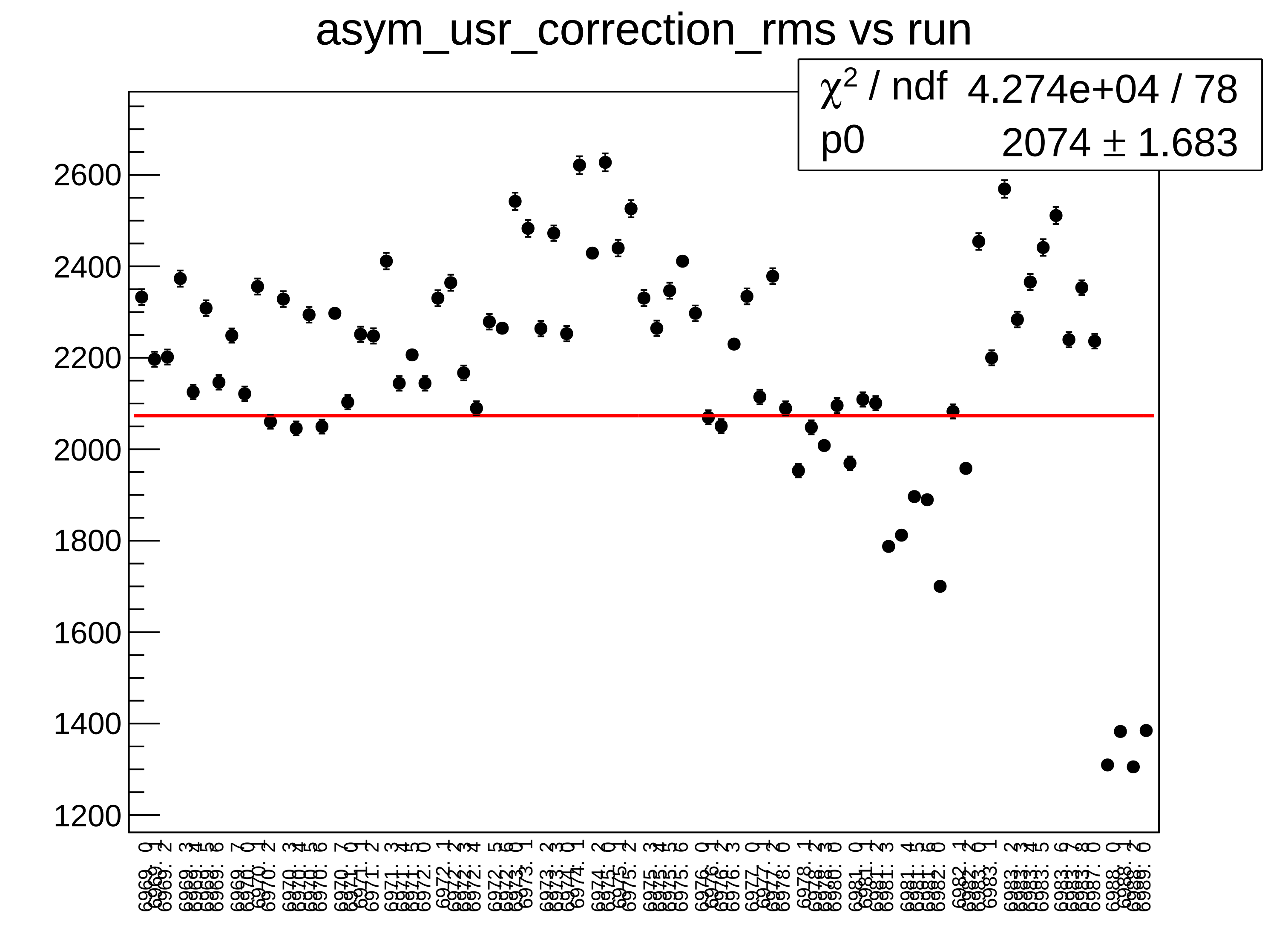
asym_usl_rms vs run
χ2 / ndf 2.182e+04 / 78
p0 2304 ± 1.858

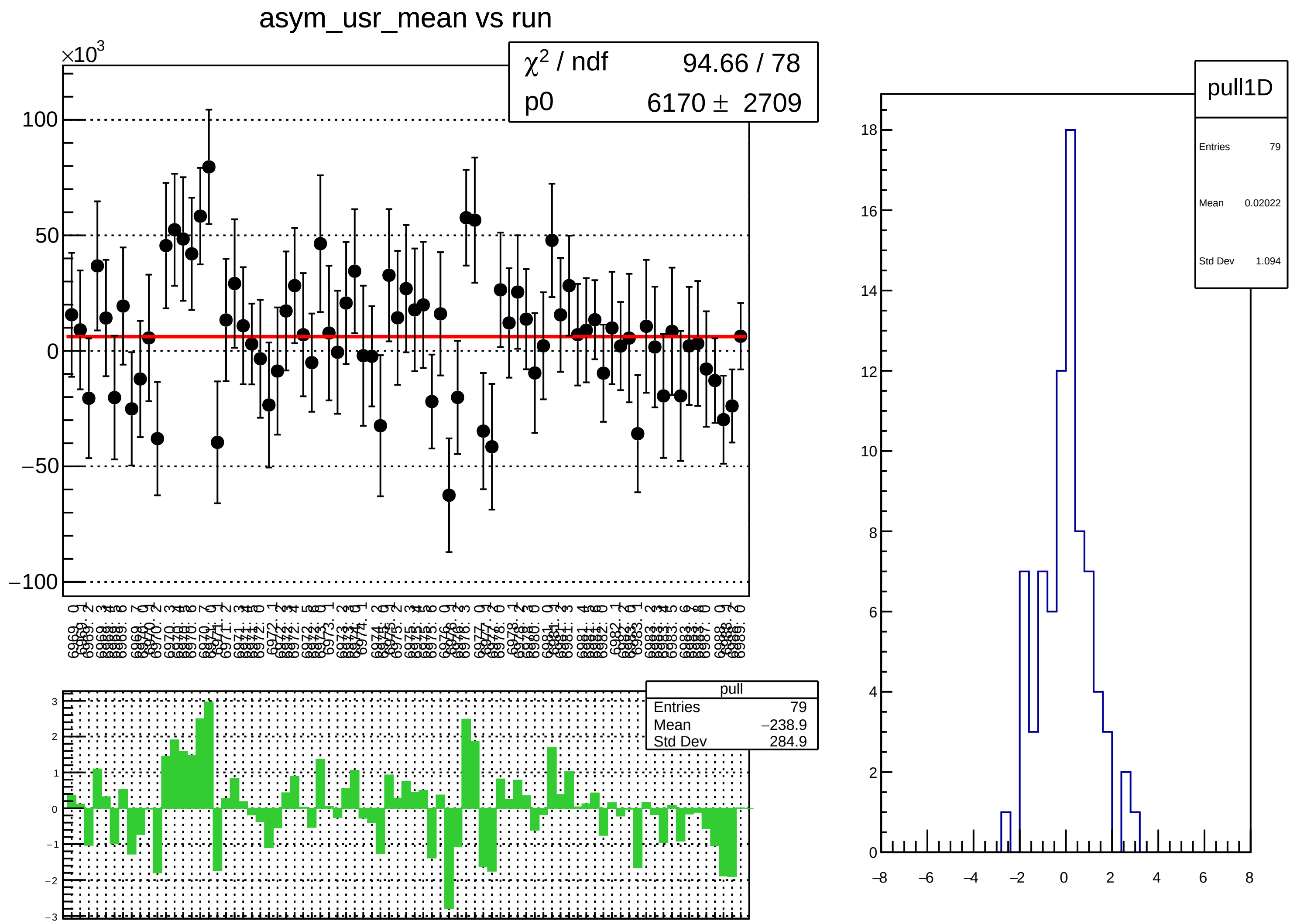


dit_asym_usr_mean vs run
χ^2 / ndf 80.47 / 78
p0 2477 ± 1249
pull
Entries 79
Mean 946.8
Std Dev 897.9
pull1D
Entries 79
Mean −0.004213
Std Dev 1.009

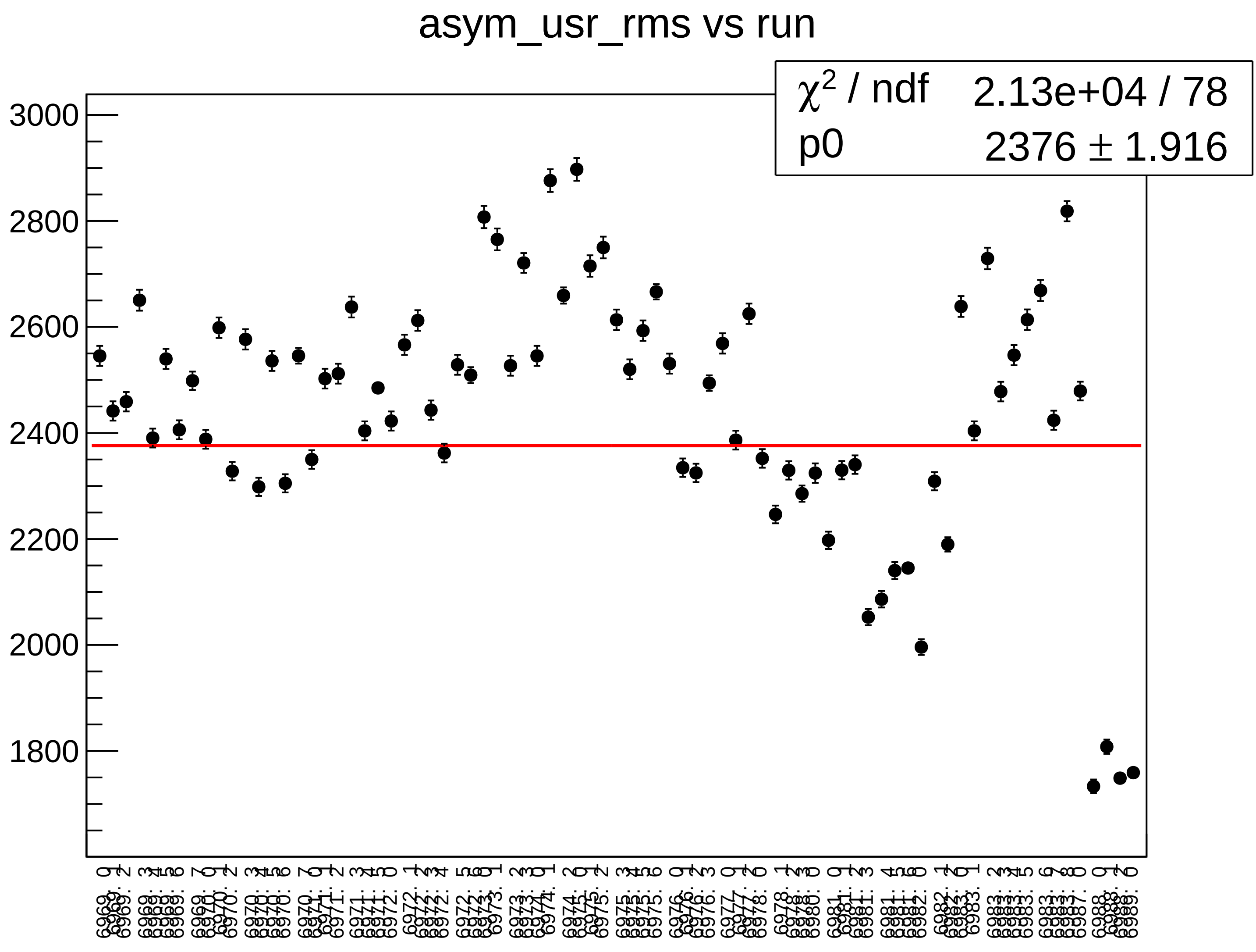

dit_asym_usr_rms vs run
χ2 / ndf 1546 / 78
p0 1103 ± 0.8834
1300
1250
1200
1150
1100
1050


asym_usr_correction_mean vs run
$\times10^3$
χ^2 / ndf 92.97 / 78
p0 −3212 ± 2381
pull
Entries 79
Mean −75.64
Std Dev 120.1
pull1D
Entries 79
Mean −0.04166
Std Dev 1.084

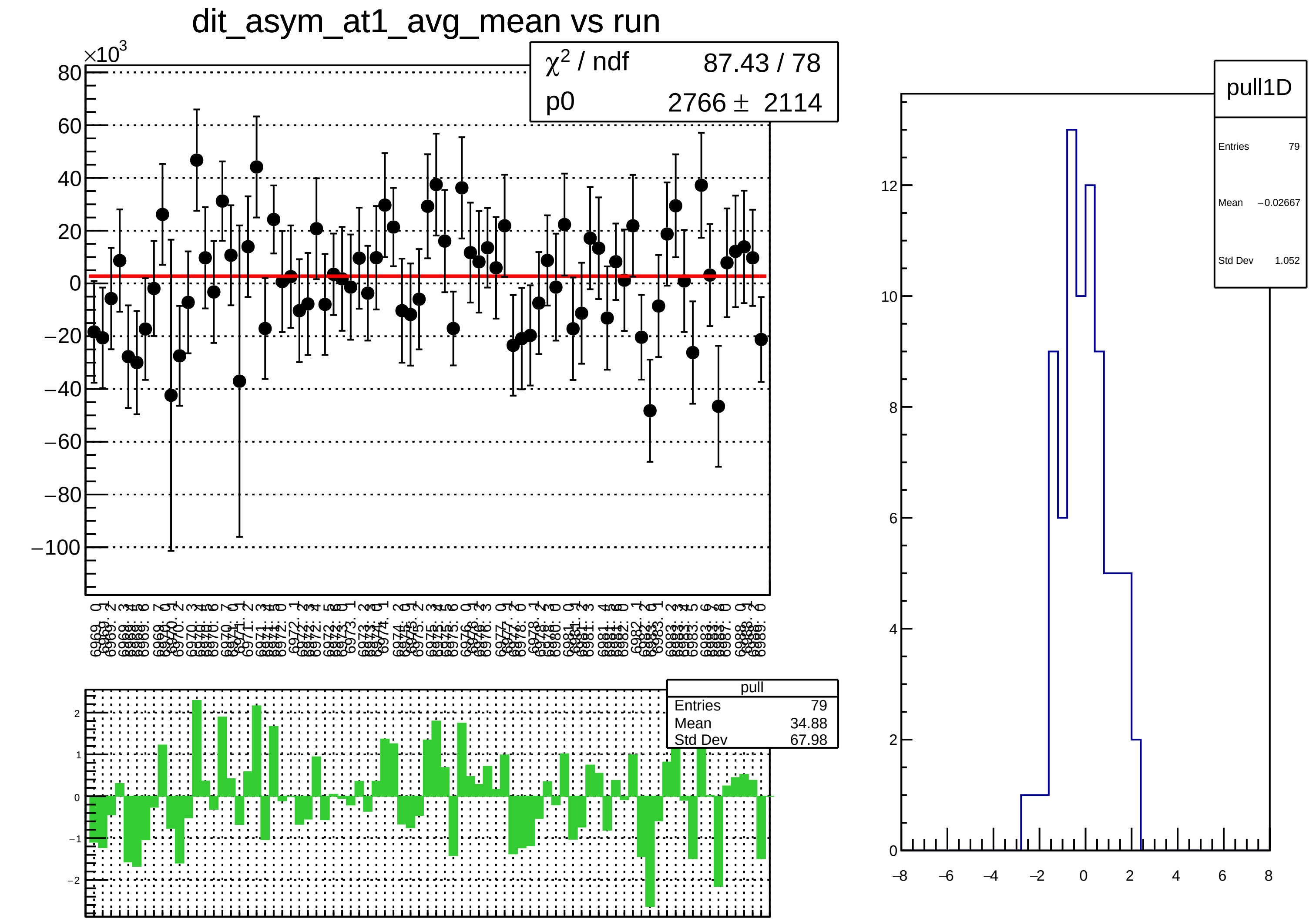

asym_usr_correction_rms vs run
χ^2 / ndf 4.274e+04 / 78
p0 2074 ± 1.683
2600
2400
2200
2000
1800
1600
1400
1200



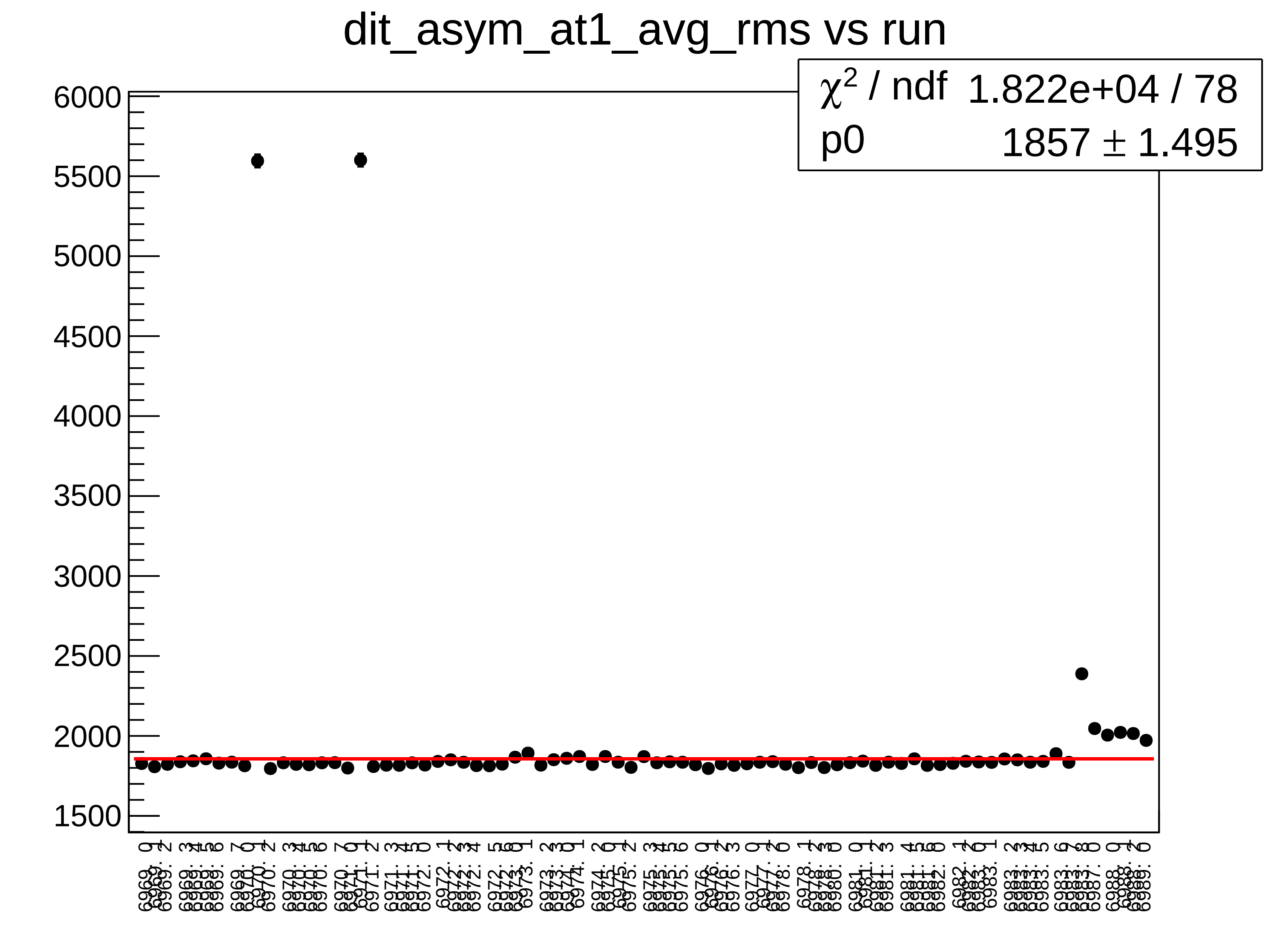
asym_usr_mean vs run
χ2 / ndf 94.66 / 78
p0 6170 ± 2709
×10^3
pull
Entries 79
Mean −238.9
Std Dev 284.9
pull1D
Entries 79
Mean 0.02022
Std Dev 1.094

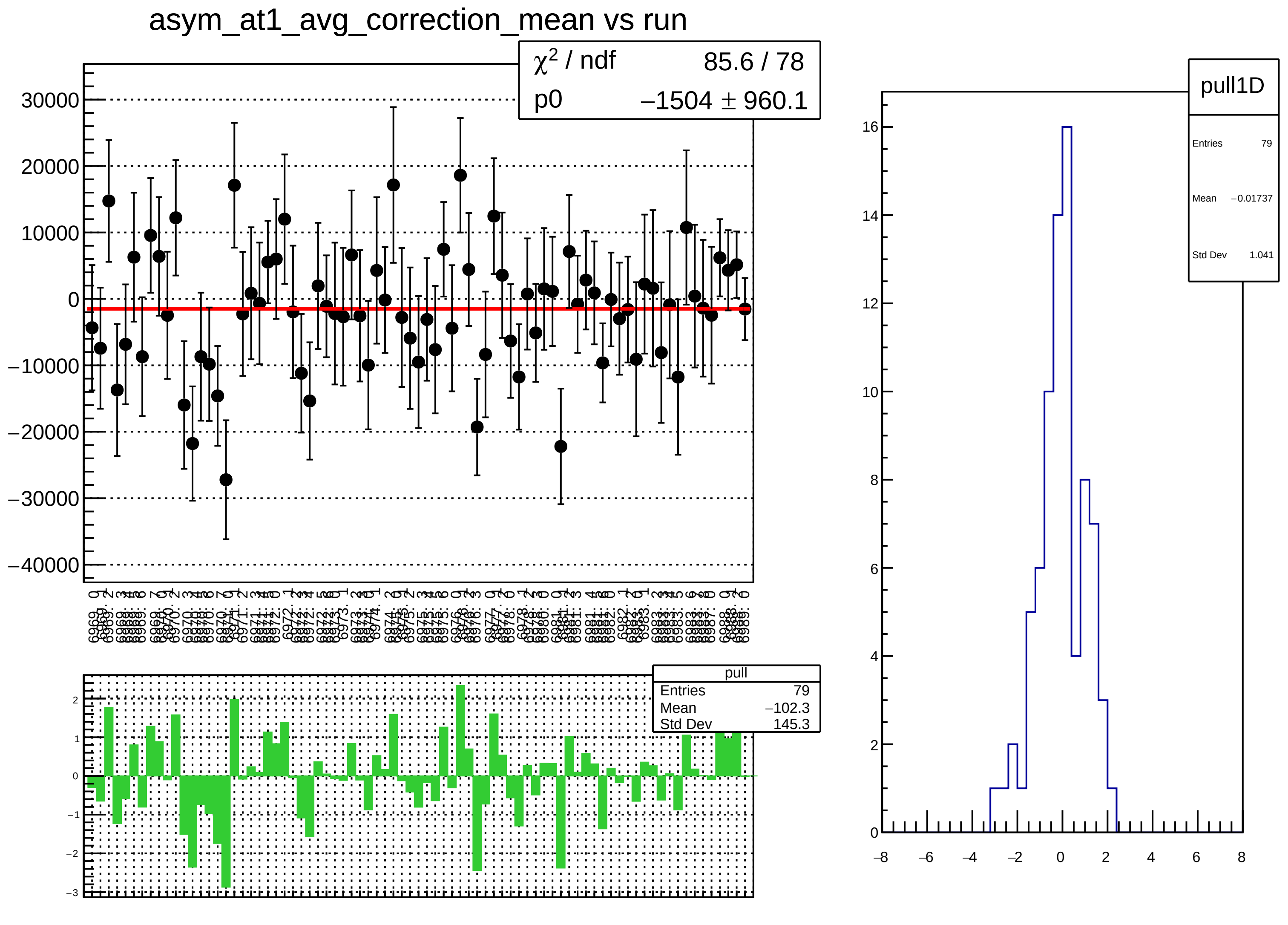


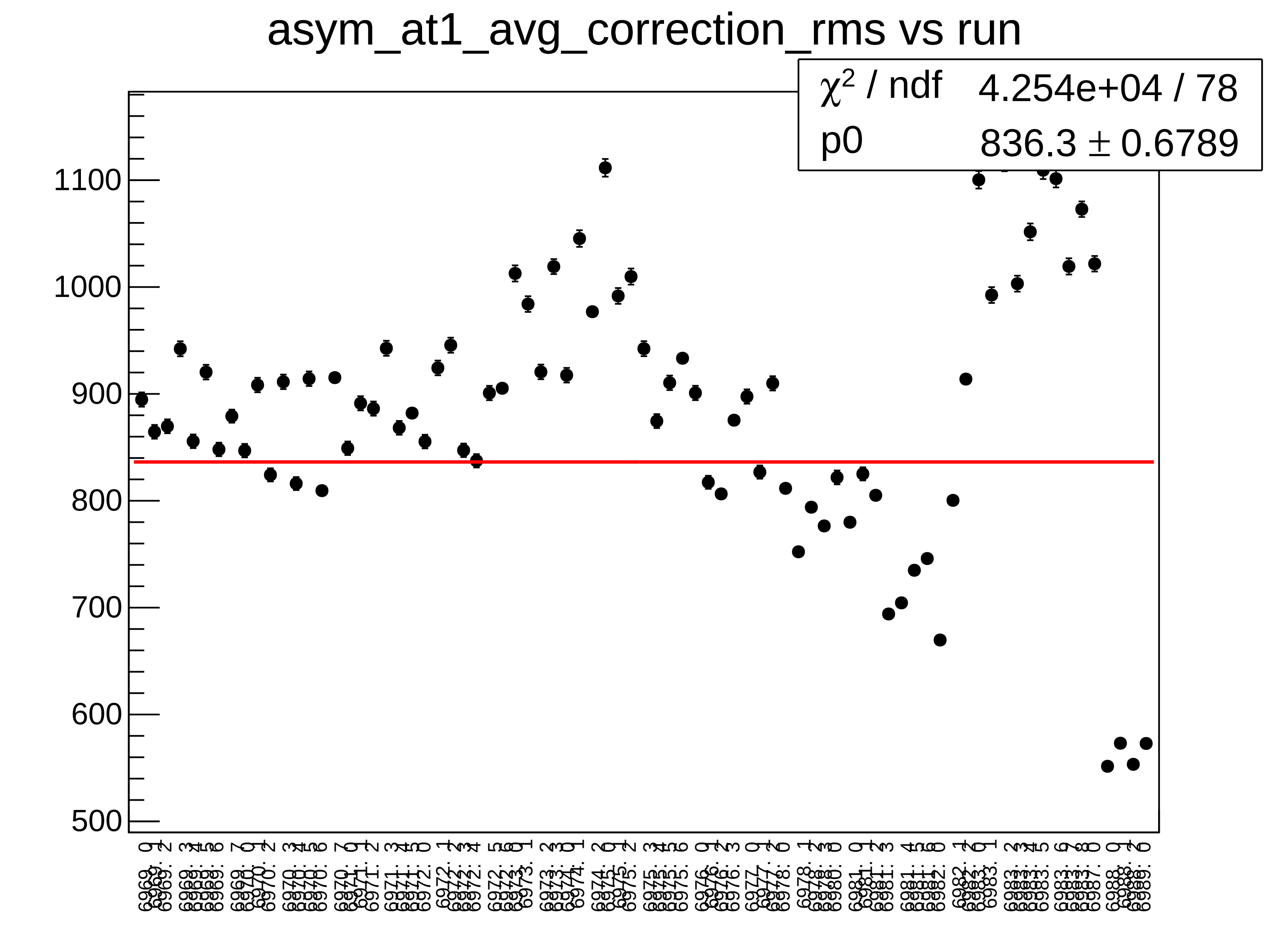
asym_usr_rms vs run
χ^2 / ndf 2.13e+04 / 78
p0 2376 ± 1.916
3000
2800
2600
2400
2200
2000
1800

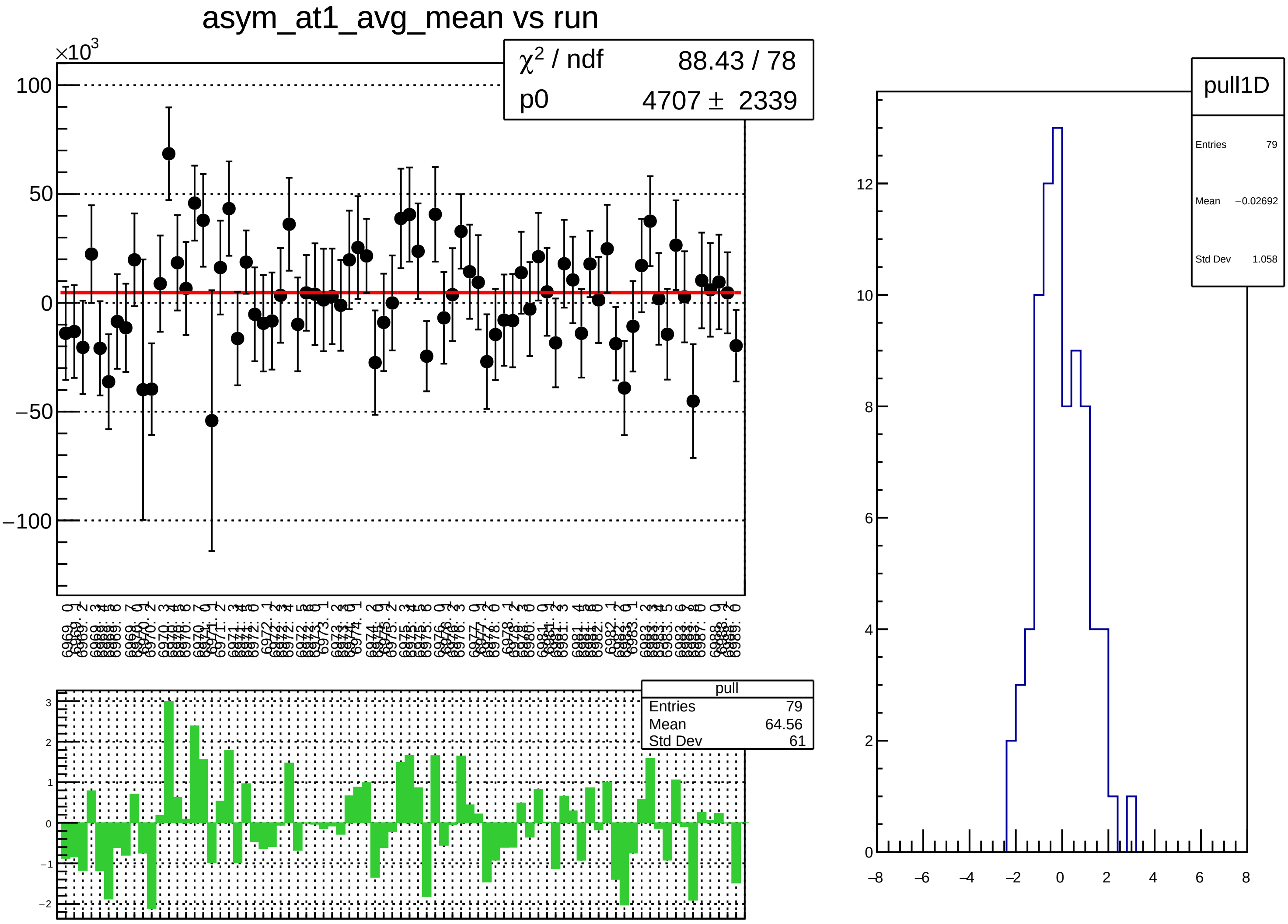


dit_asym_at1_avg_mean vs run
χ2 / ndf 87.43 / 78
p0 2766 ± 2114
pull
Entries 79
Mean 34.88
Std Dev 67.98
pull1D
Entries 79
Mean −0.02667
Std Dev 1.052

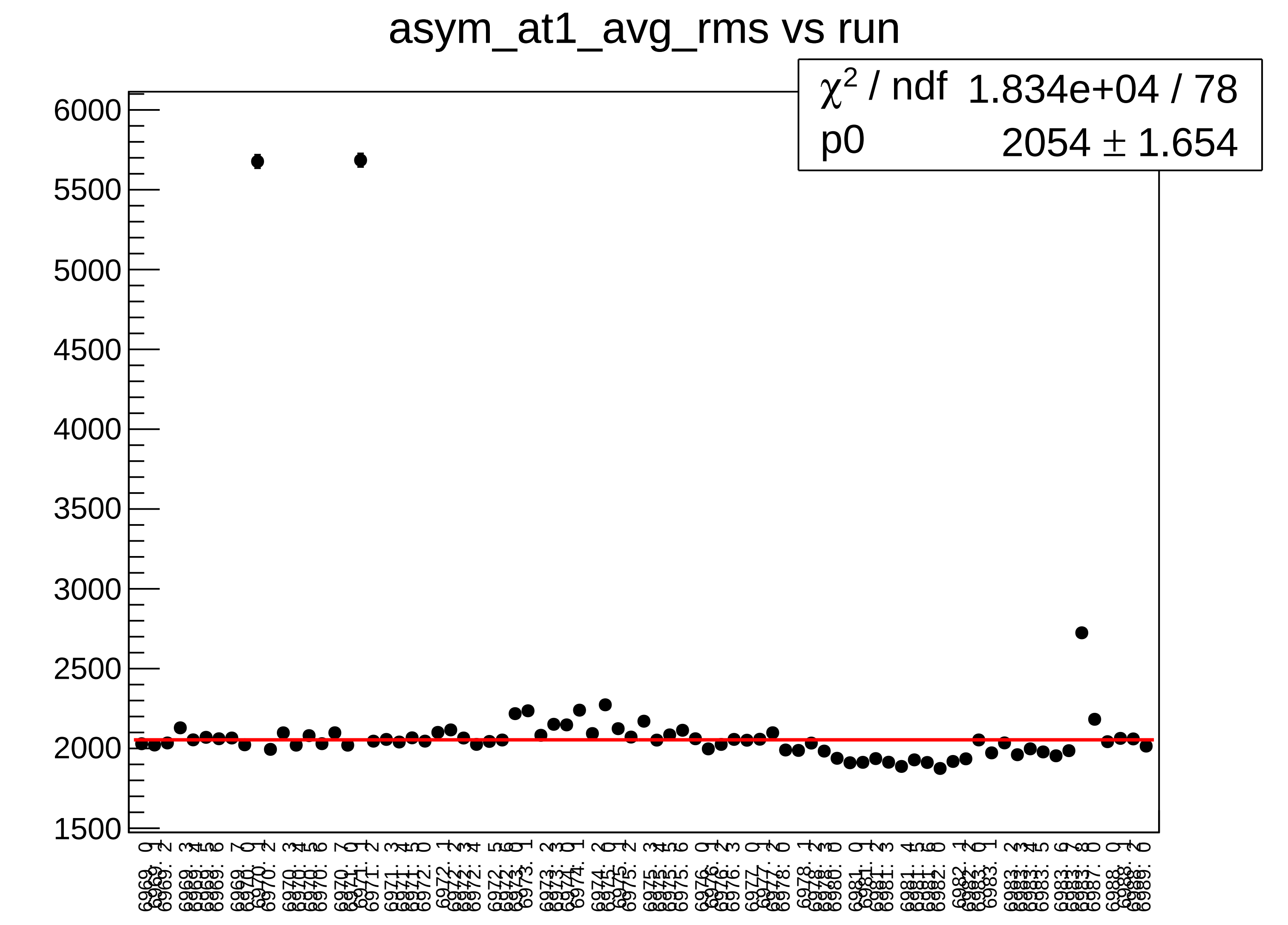

dit_asym_at1_avg_rms vs run
χ2 / ndf 1.822e+04 / 78
p0 1857 ± 1.495
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_at1_avg_correction_mean vs run
χ2 / ndf 85.6 / 78
p0 −1504 ± 960.1
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 79
Mean −102.3
Std Dev 145.3
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean −0.01737
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

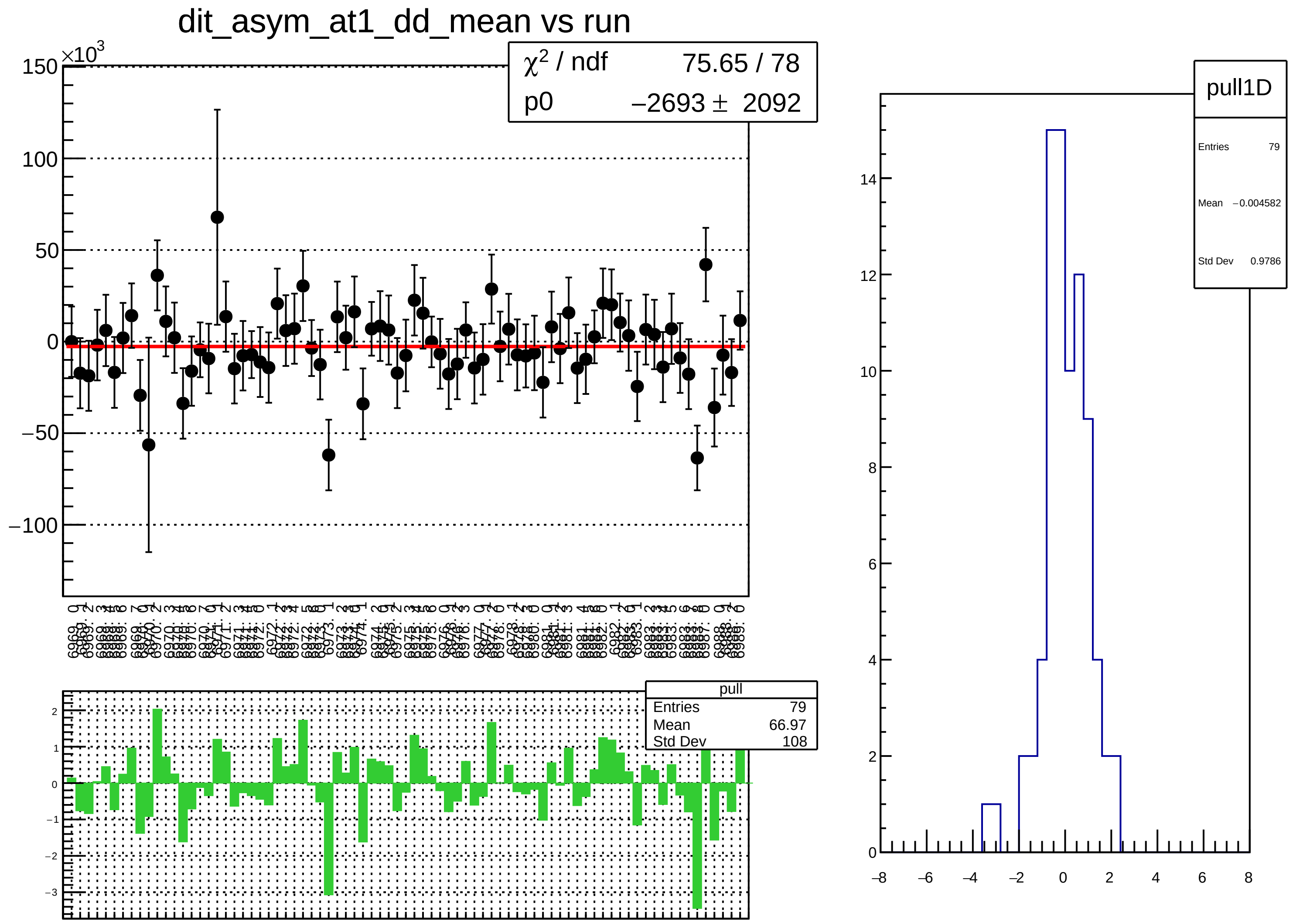

asym_at1_avg_correction_rms vs run
χ^2 / ndf 4.254e+04 / 78
p0 836.3 ± 0.6789
1100
1000
900
800
700
600
500



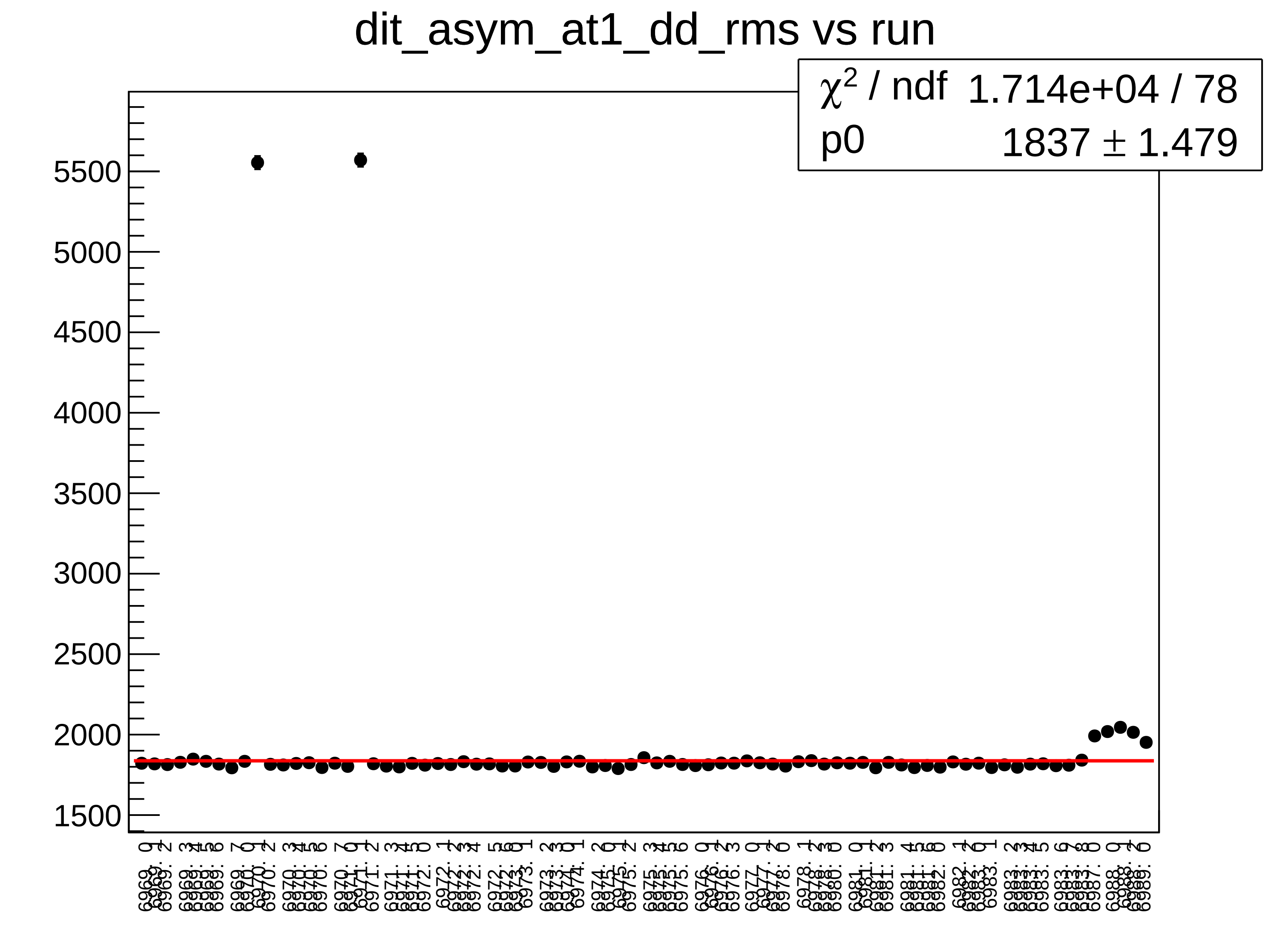
asym_at1_avg_mean vs run
χ^2 / ndf 88.43 / 78
p0 4707 ± 2339
×10^3
pull
Entries 79
Mean 64.56
Std Dev 61
pull1D
Entries 79
Mean −0.02692
Std Dev 1.058

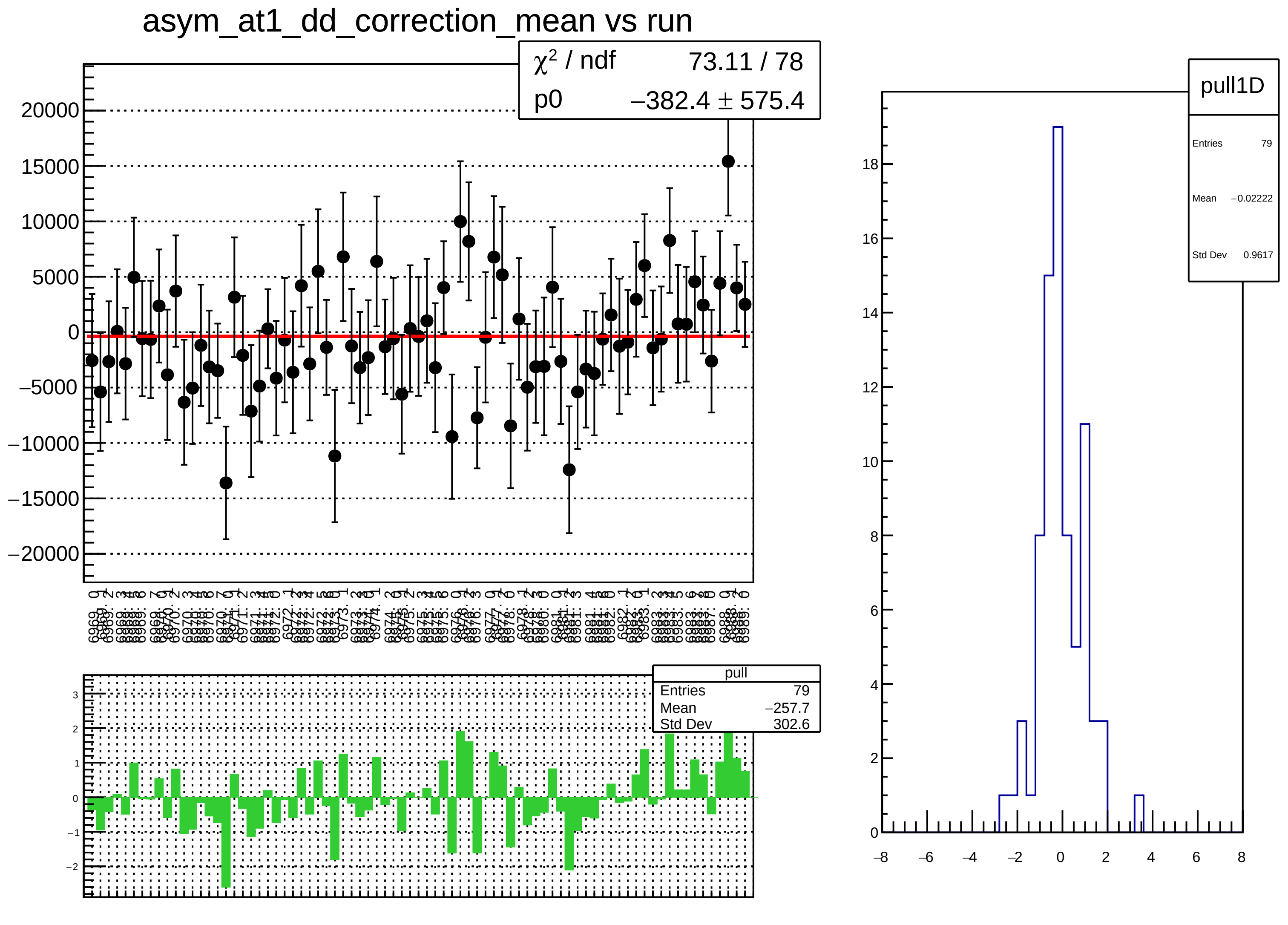


asym_at1_avg_rms vs run
χ^2 / ndf 1.834e+04 / 78
p0 2054 ± 1.654
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

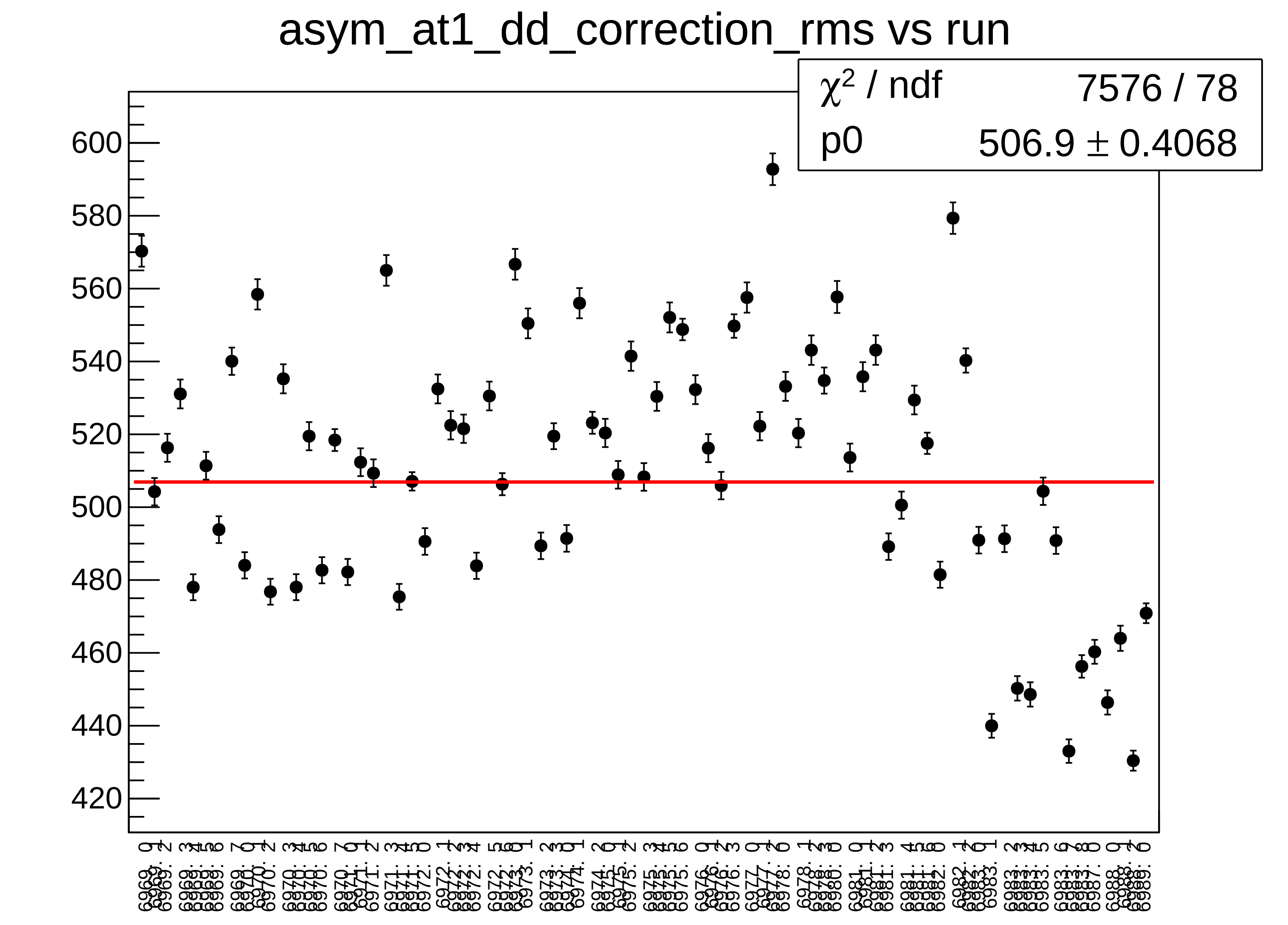


dit_asym_at1_dd_mean vs run
χ^2 / ndf 75.65 / 78
p0 −2693 ± 2092
pull
Entries 79
Mean 66.97
Std Dev 108
pull1D
Entries 79
Mean −0.004582
Std Dev 0.9786

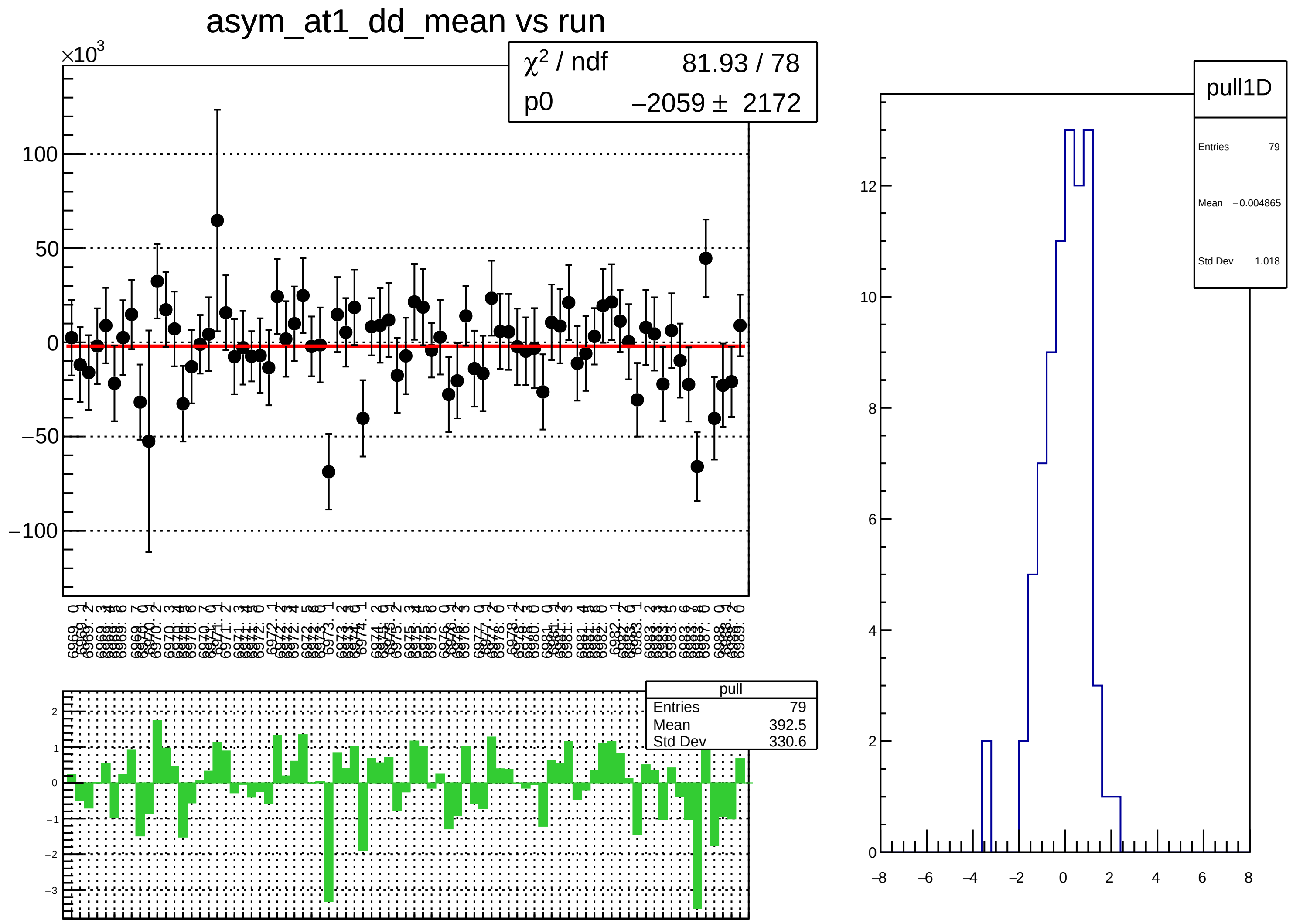

dit_asym_at1_dd_rms vs run
χ^2 / ndf 1.714e+04 / 78
p0 1837 ± 1.479



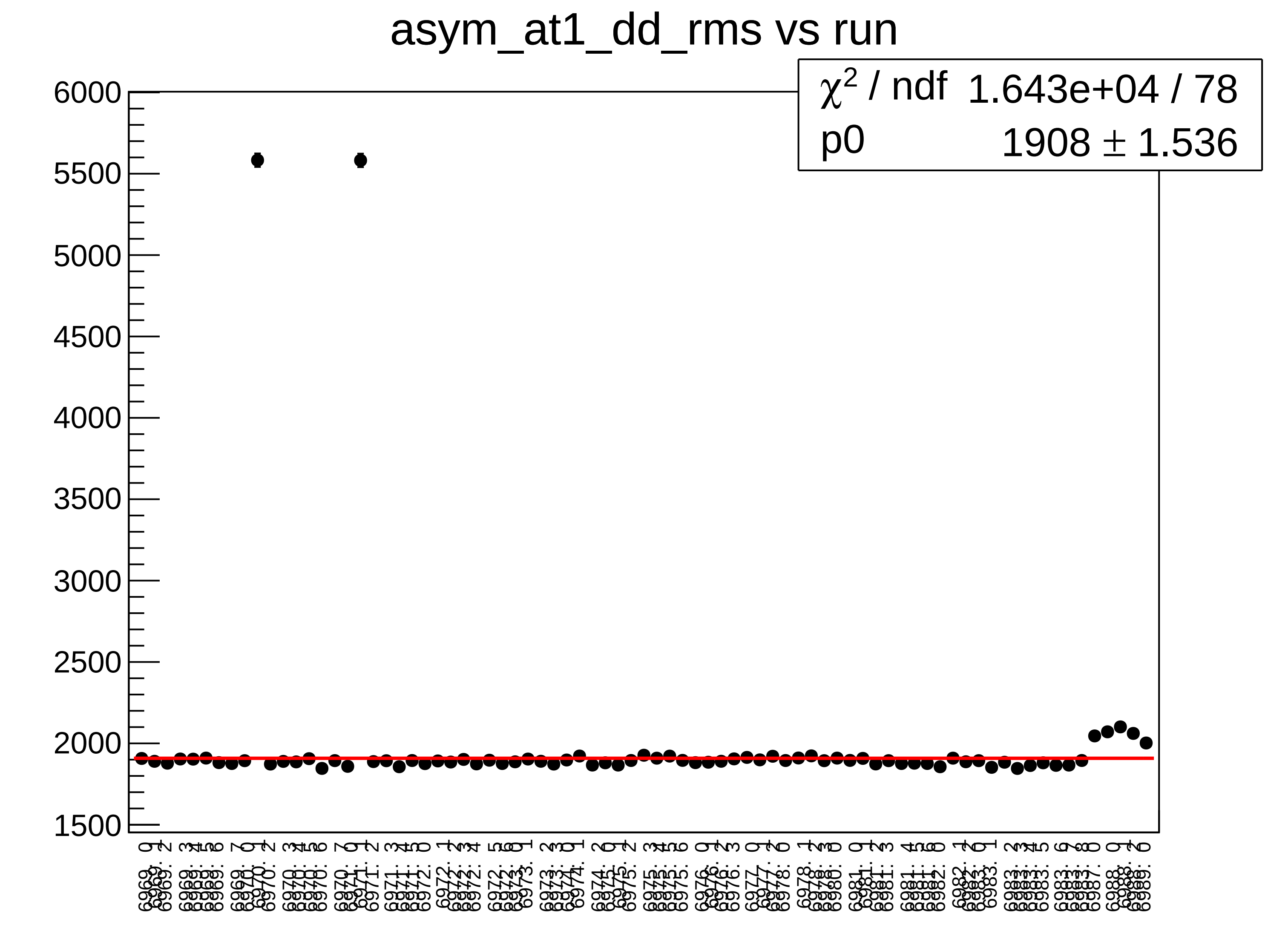
asym_at1_dd_correction_mean vs run
χ^2 / ndf 73.11 / 78
p0 −382.4 ± 575.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 79
Mean −257.7
Std Dev 302.6
3
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.02222
Std Dev 0.9617
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



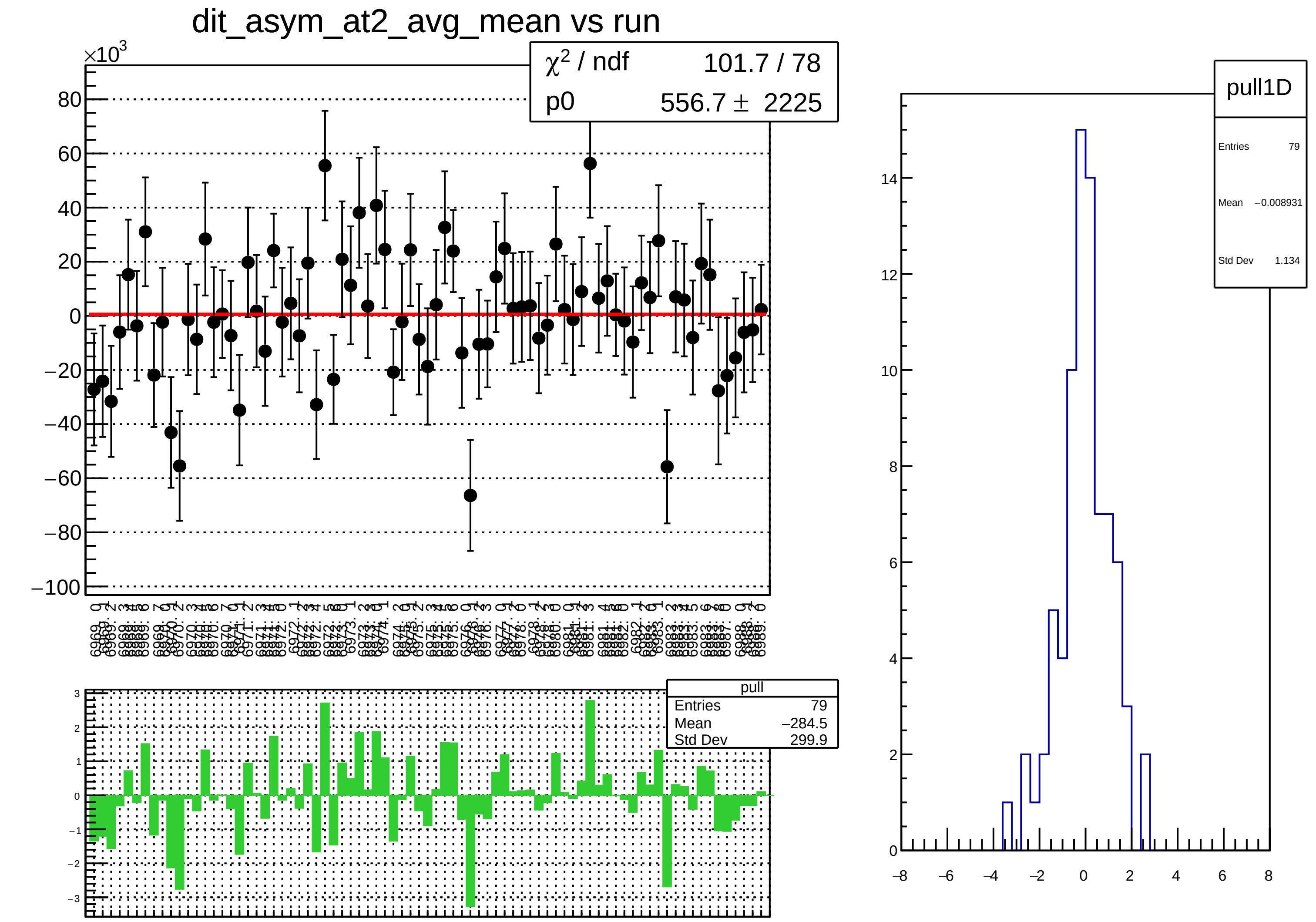
asym_at1_dd_correction_rms vs run
χ² / ndf 7576 / 78
p0 506.9 ± 0.4068
600
580
560
540
520
500
480
460
440
420



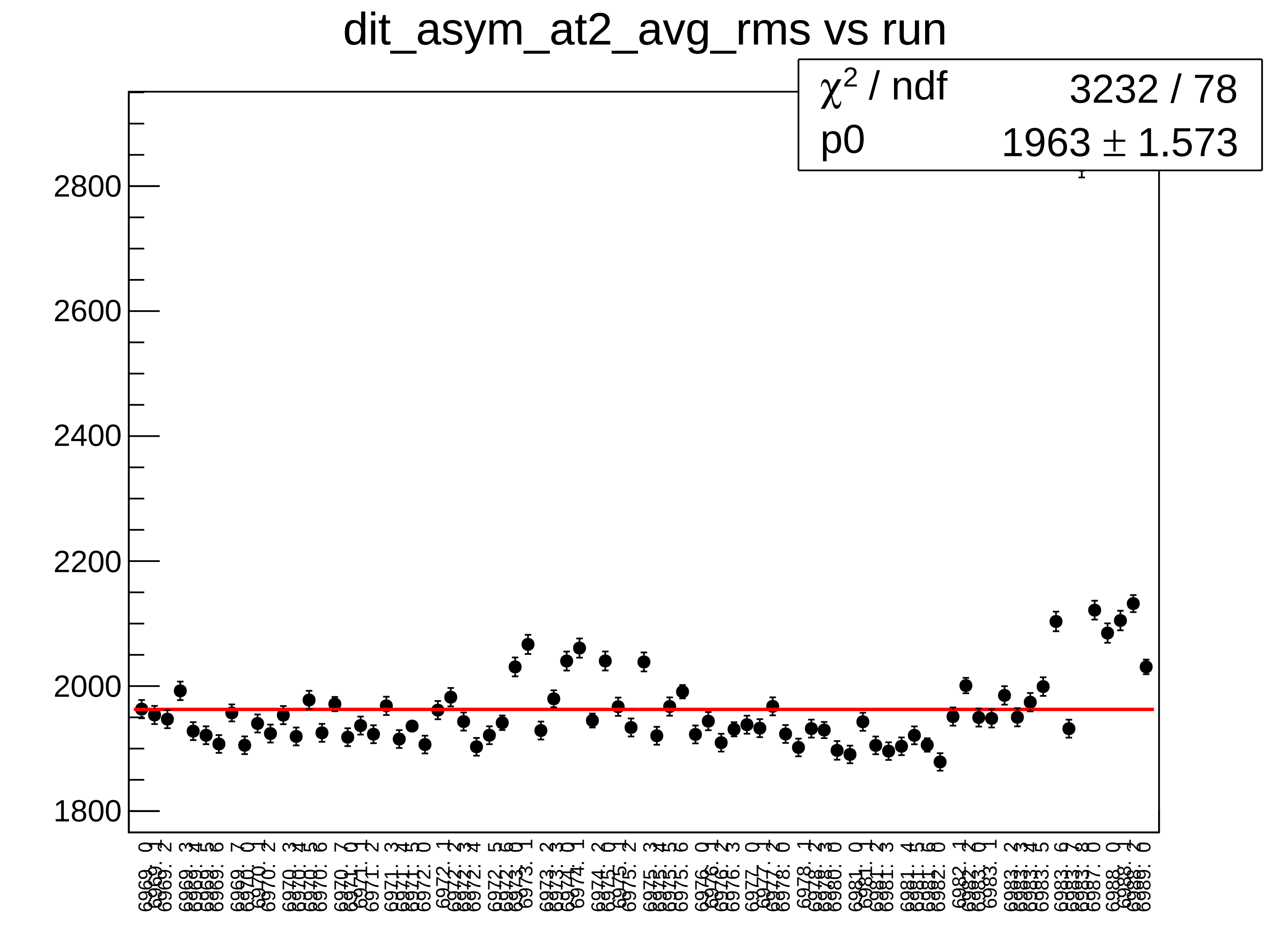
asym_at1_dd_mean vs run
χ^2 / ndf 81.93 / 78
p0 −2059 ± 2172
pull
Entries 79
Mean 392.5
Std Dev 330.6
pull1D
Entries 79
Mean −0.004865
Std Dev 1.018



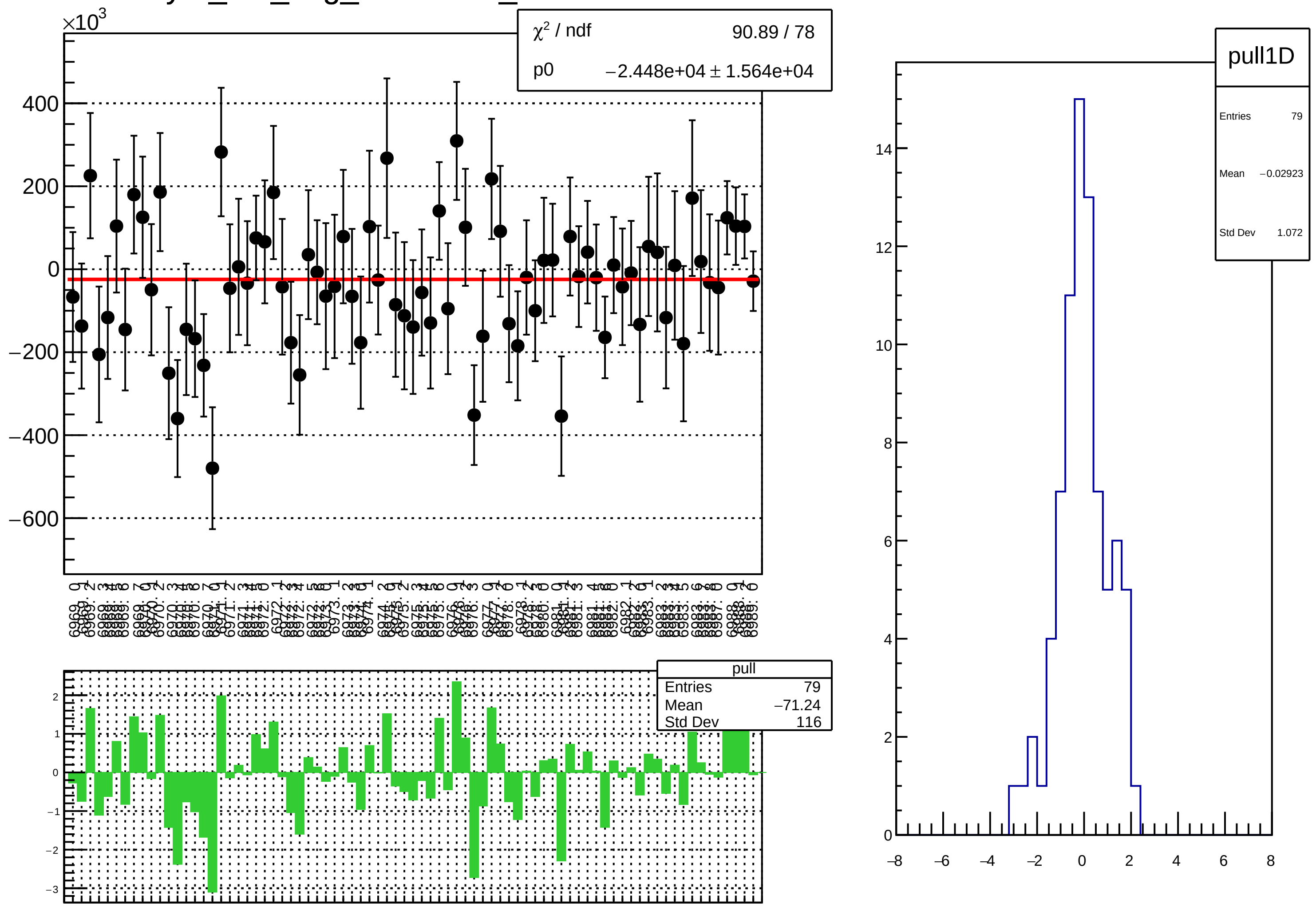
asym_at1_dd_rms vs run
χ2 / ndf 1.643e+04 / 78
p0 1908 ± 1.536
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

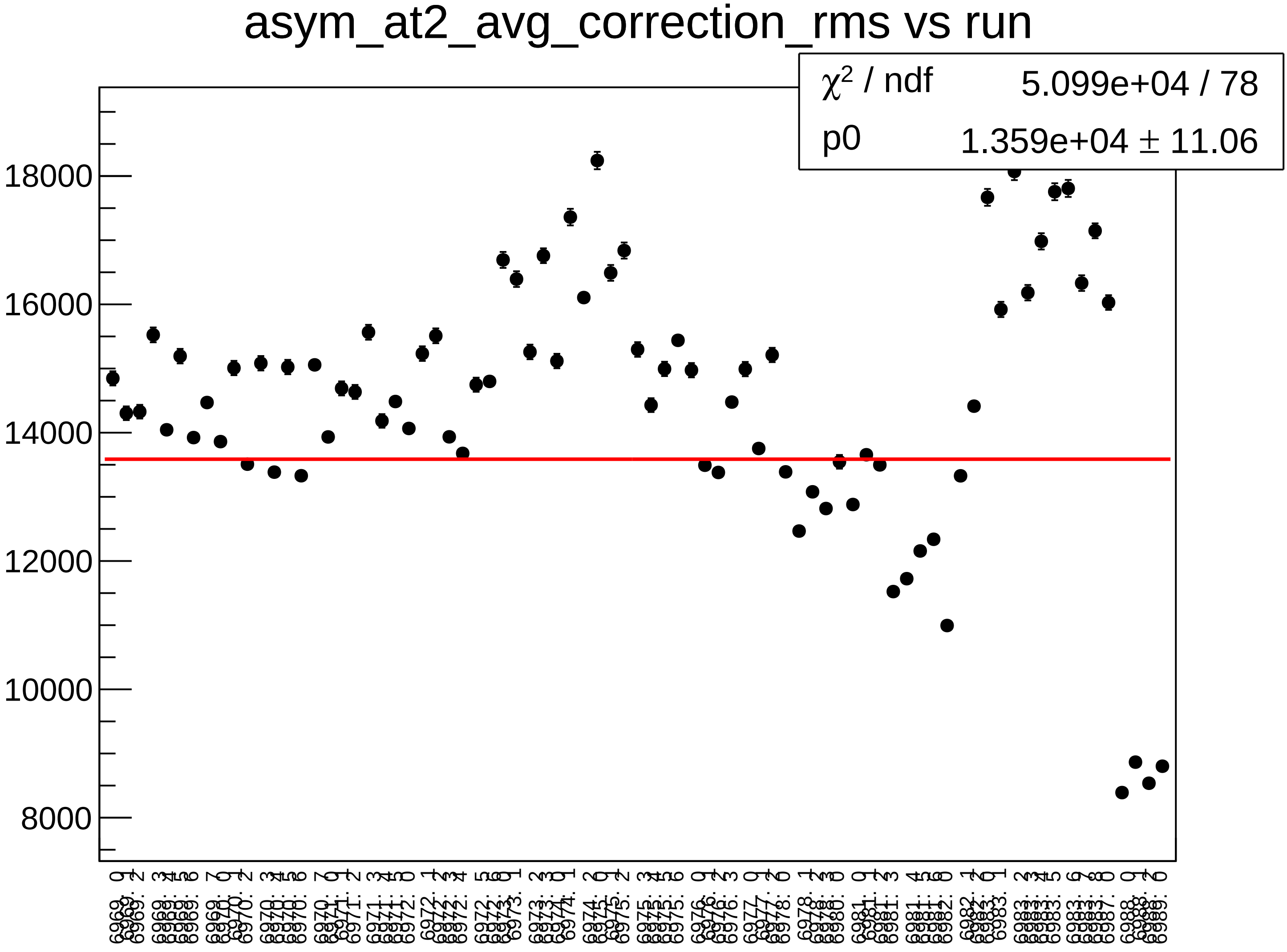


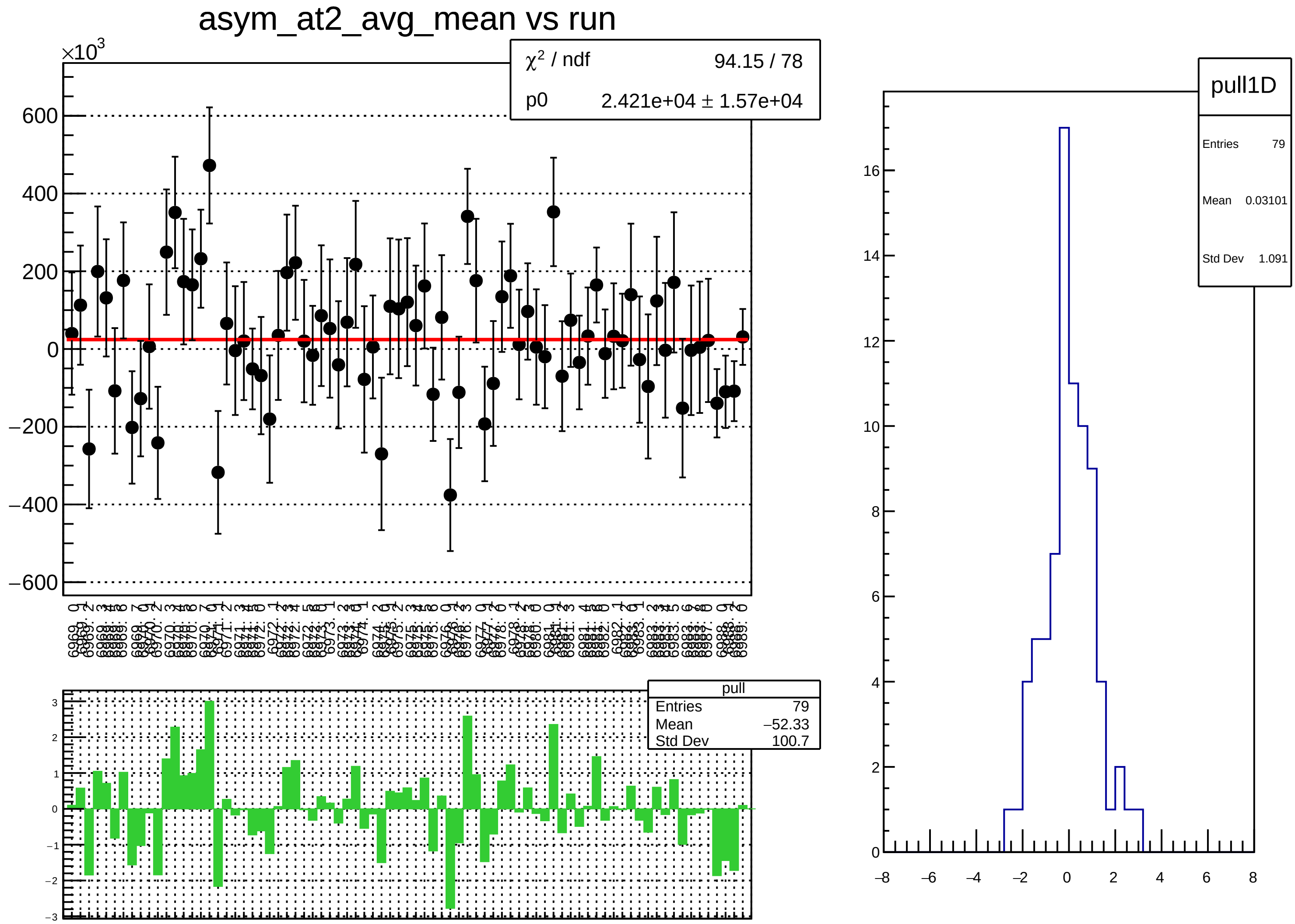
dit_asym_at2_avg_mean vs run
×10^3
χ2 / ndf 101.7 / 78
p0 556.7 ± 2225
pull
Entries 79
Mean −284.5
Std Dev 299.9
pull1D
Entries 79
Mean −0.008931
Std Dev 1.134


dit_asym_at2_avg_rms vs run
χ2 / ndf 3232 / 78
p0 1963 ± 1.573
2800
2600
2400
2200
2000
1800

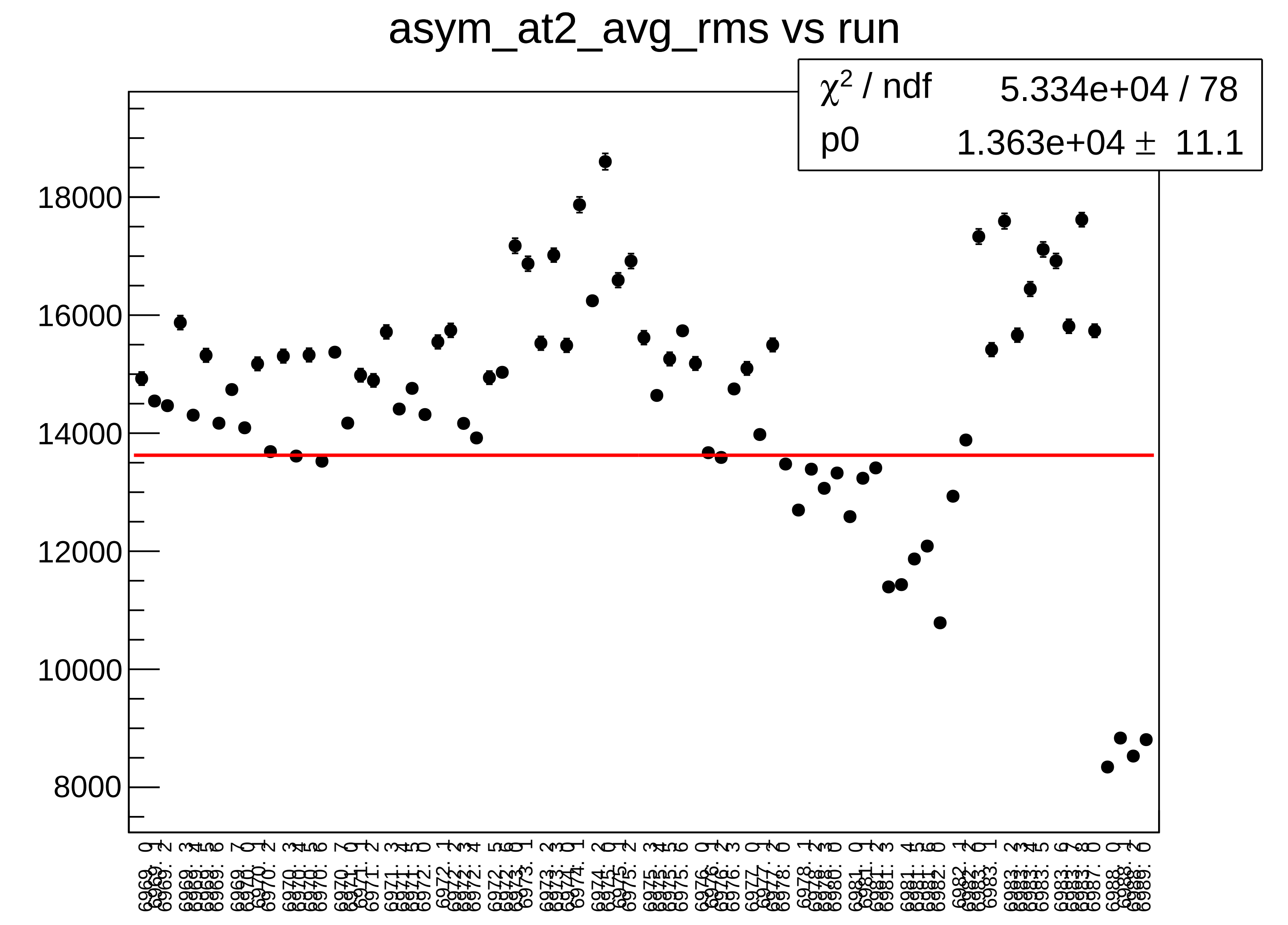
asym_at2_avg_correction_mean vs run

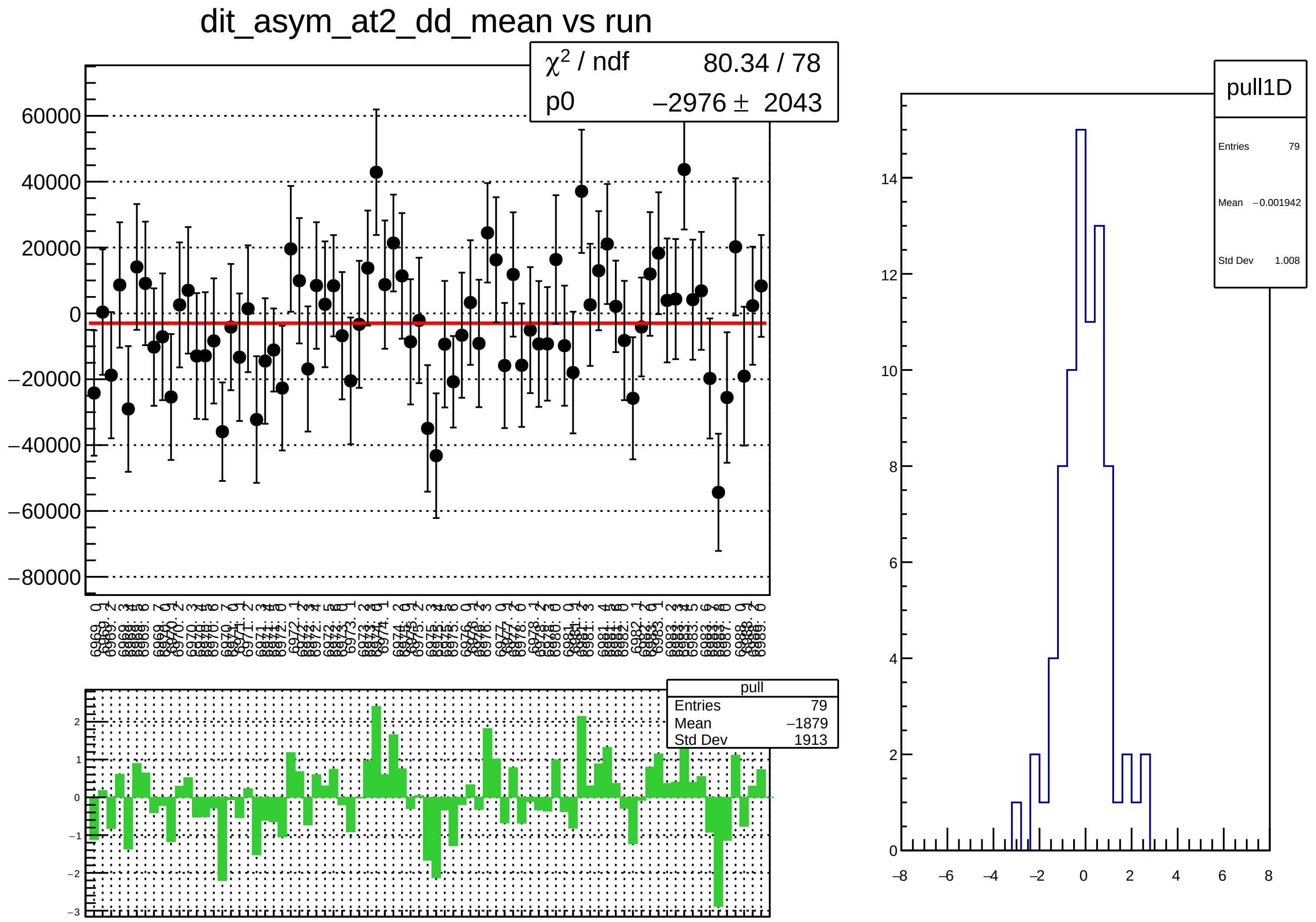



asym_at2_avg_correction_rms vs run
χ^2 / ndf 5.099e+04 / 78
p0 1.359e+04 ± 11.06
18000
16000
14000
12000
10000
8000

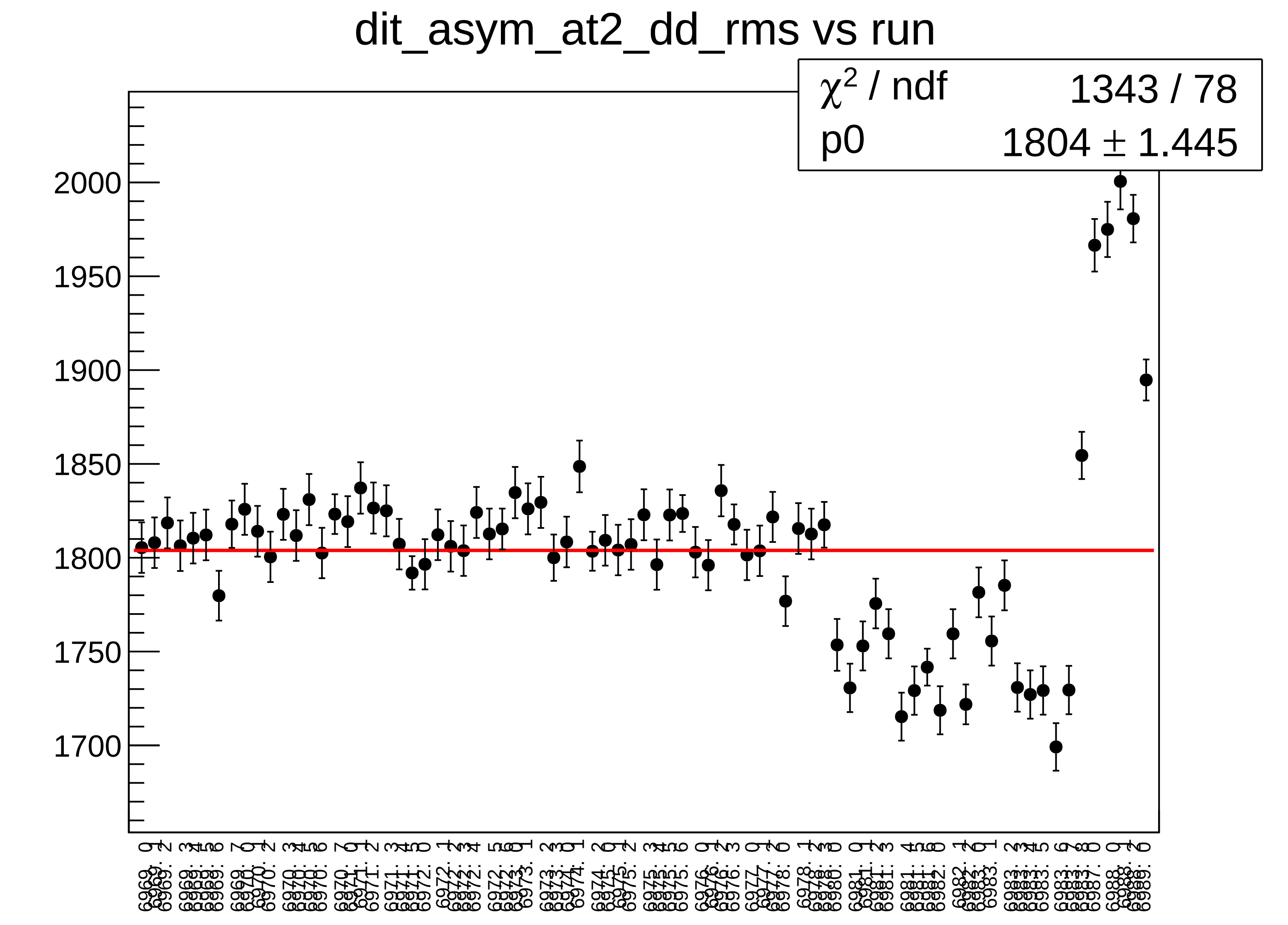


asym_at2_avg_mean vs run
$\times 10^3$
χ^2 / ndf 94.15 / 78
p0 2.421e+04 ± 1.57e+04
pull
Entries 79
Mean −52.33
Std Dev 100.7
pull1D
Entries 79
Mean 0.03101
Std Dev 1.091

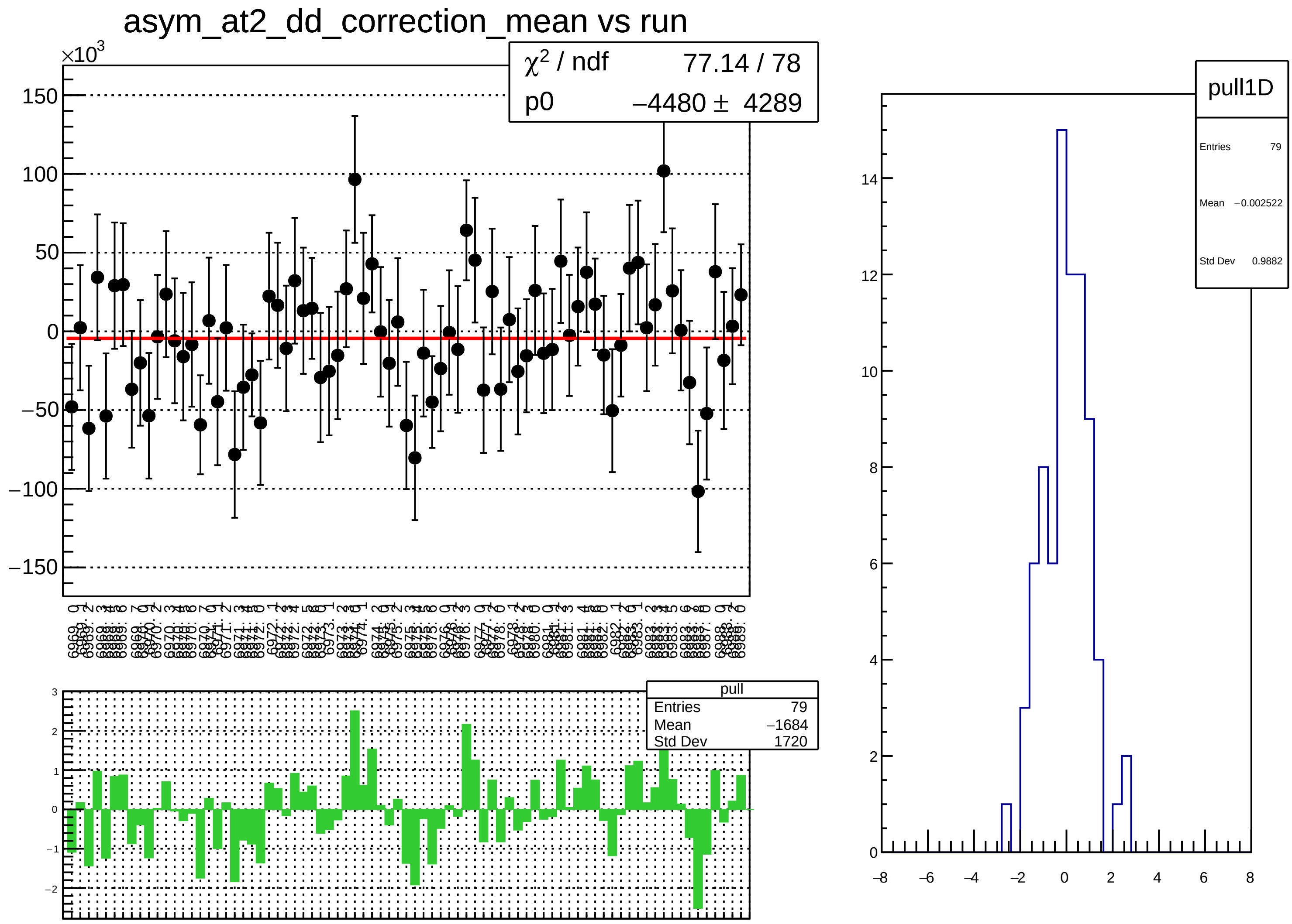

asym_at2_avg_rms vs run
χ2 / ndf 5.334e+04 / 78
p0 1.363e+04 ± 11.1
18000
16000
14000
12000
10000
8000

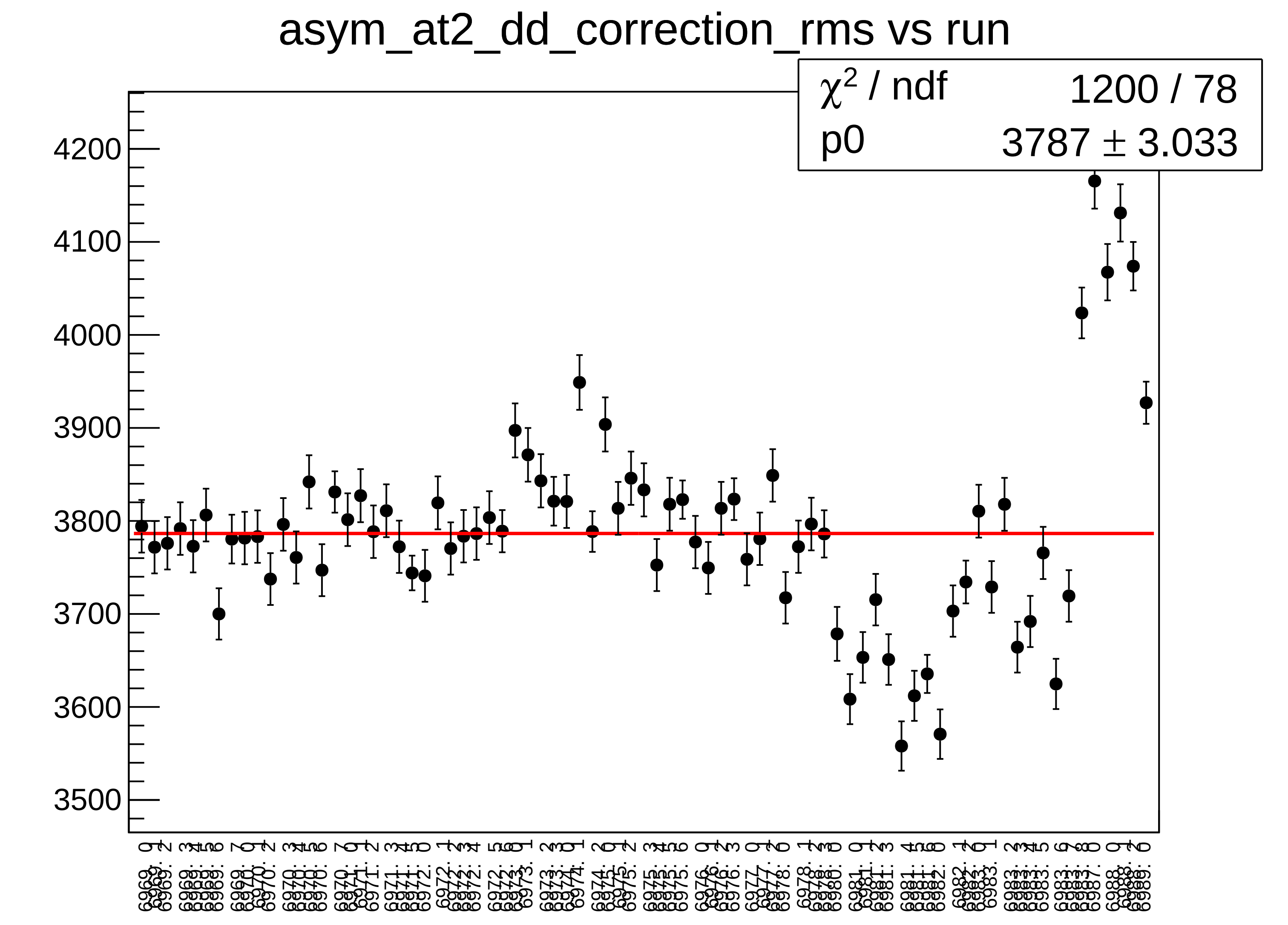


dit_asym_at2_dd_mean vs run
χ^2 / ndf 80.34 / 78
p0 −2976 ± 2043
pull
Entries 79
Mean −1879
Std Dev 1913
pull1D
Entries 79
Mean −0.001942
Std Dev 1.008

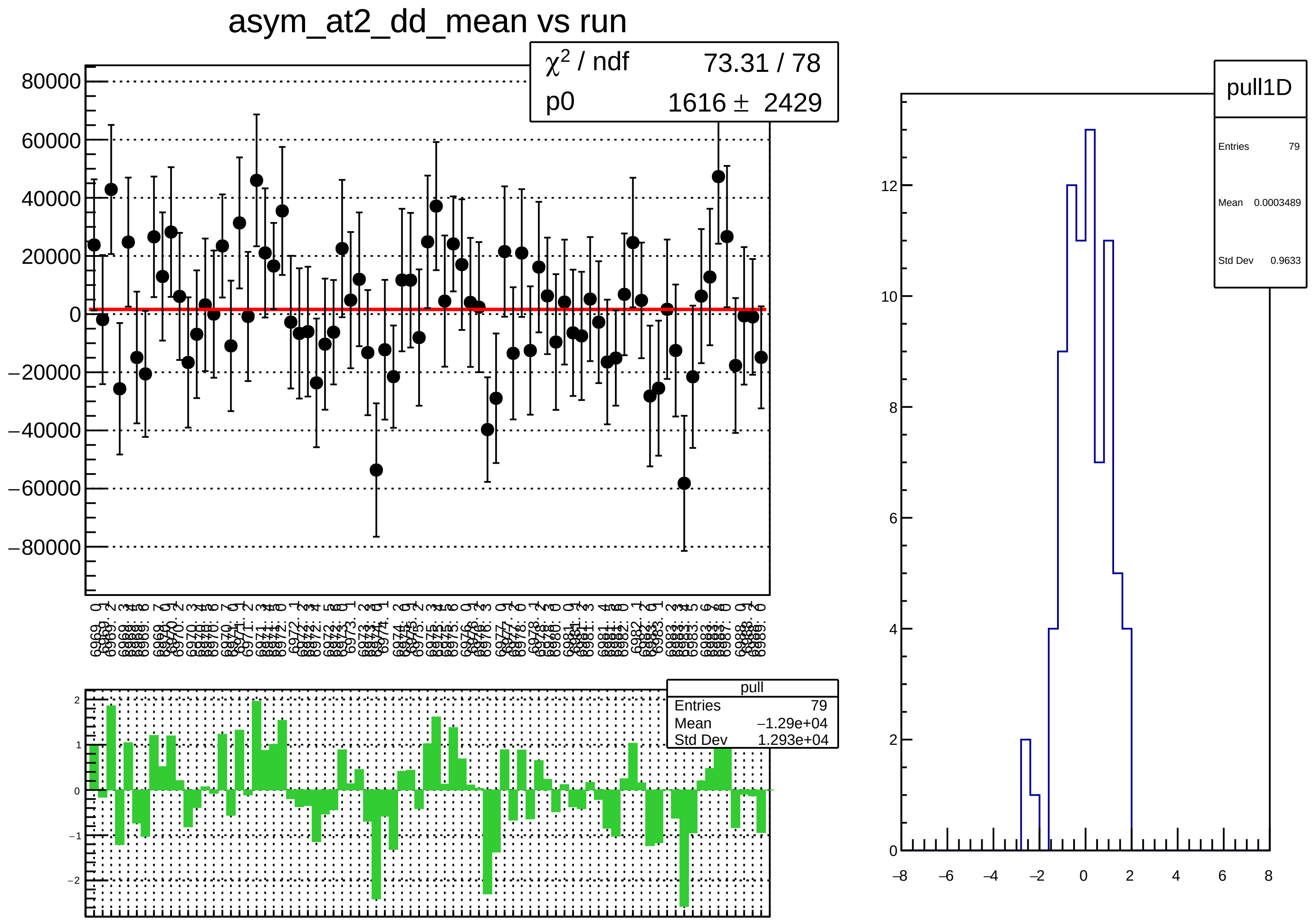


dit_asym_at2_dd_rms vs run
χ^2 / ndf 1343 / 78
p0 1804 ± 1.445
2000
1950
1900
1850
1800
1750
1700

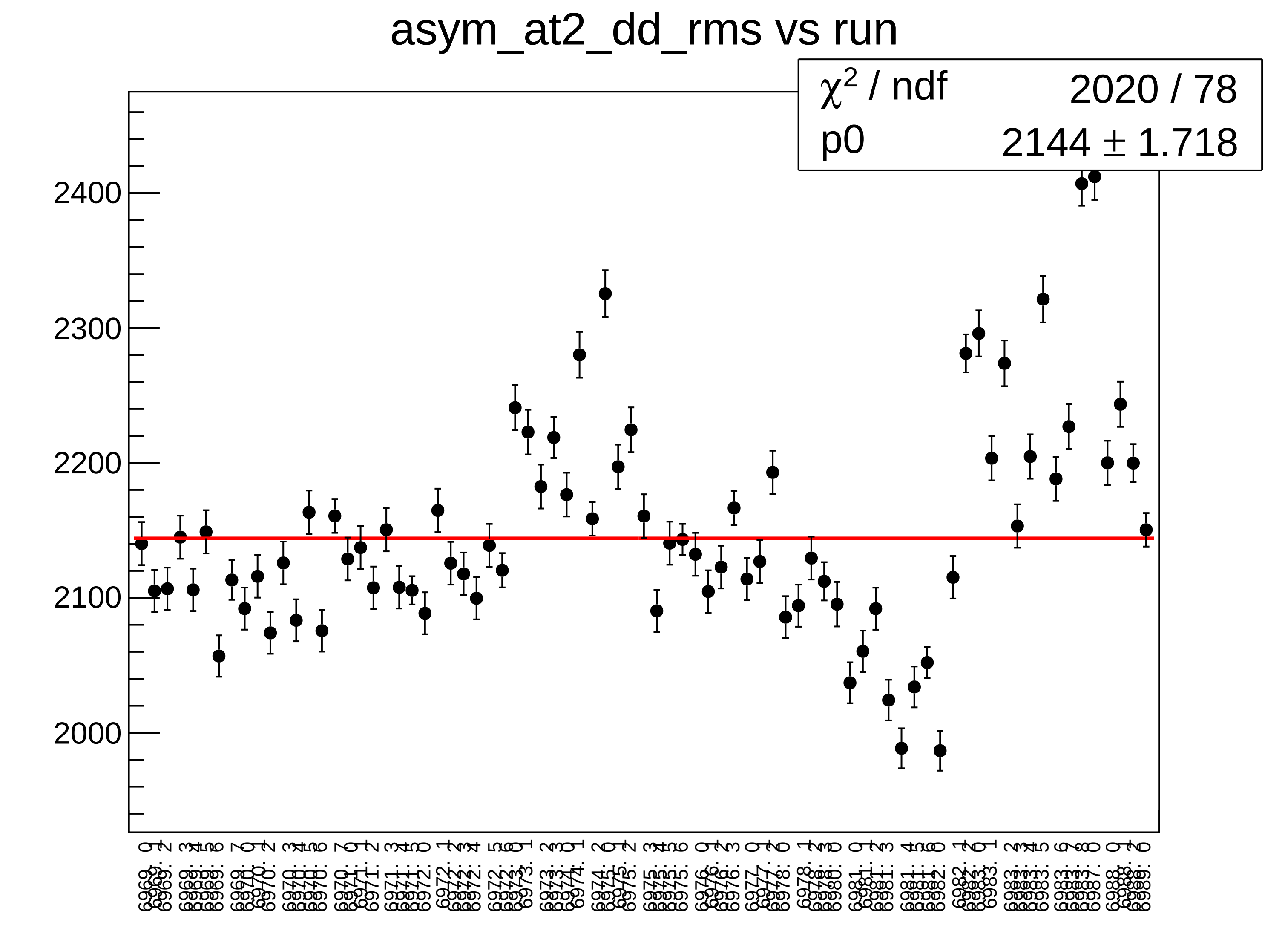

asym_at2_dd_correction_mean vs run
$\times 10^3$
χ^2 / ndf 77.14 / 78
p0 −4480 ± 4289
pull
Entries 79
Mean −1684
Std Dev 1720
pull1D
Entries 79
Mean −0.002522
Std Dev 0.9882



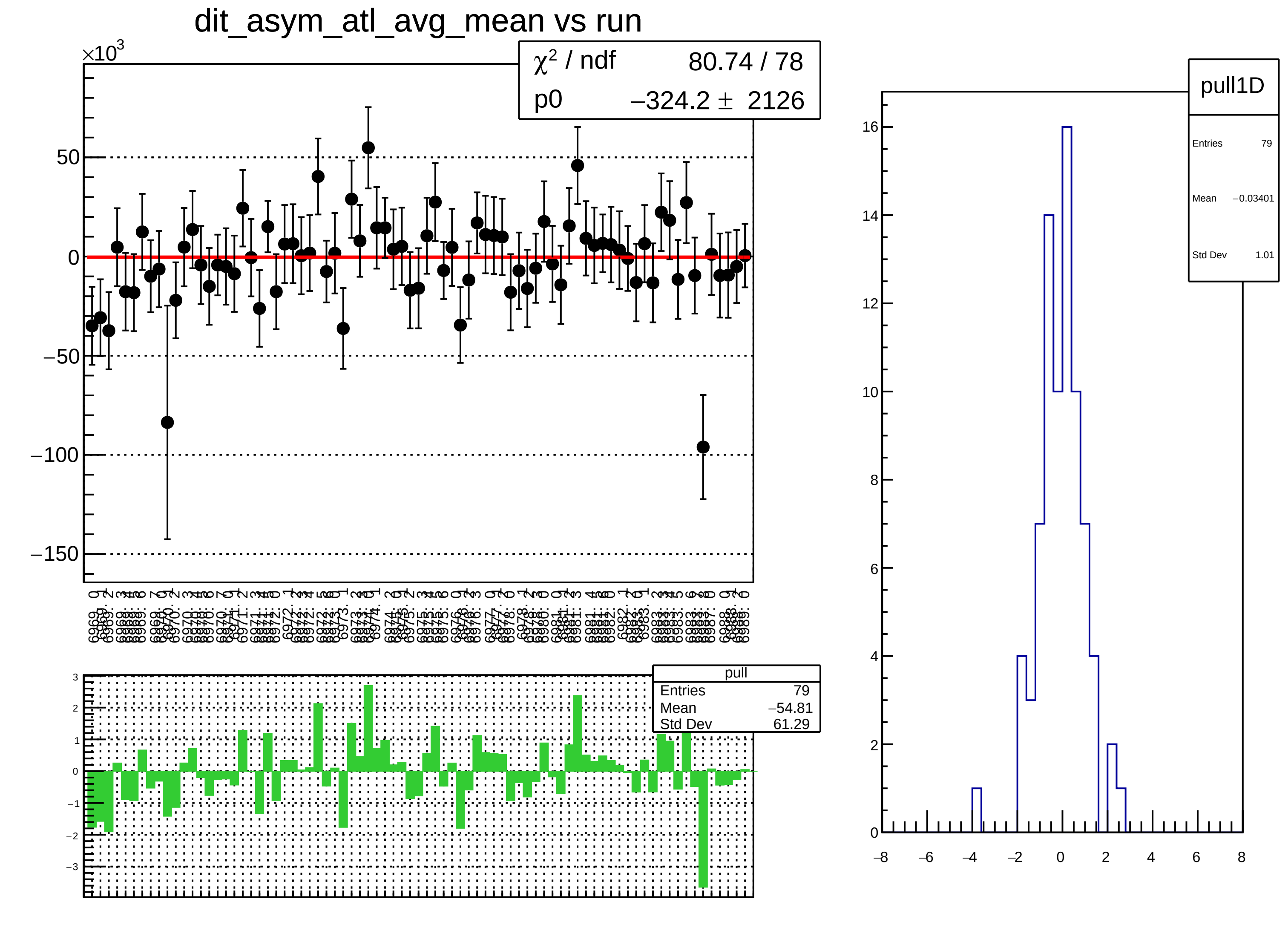
asym_at2_dd_correction_rms vs run
χ^2 / ndf 1200 / 78
p0 3787 ± 3.033
4200
4100
4000
3900
3800
3700
3600
3500



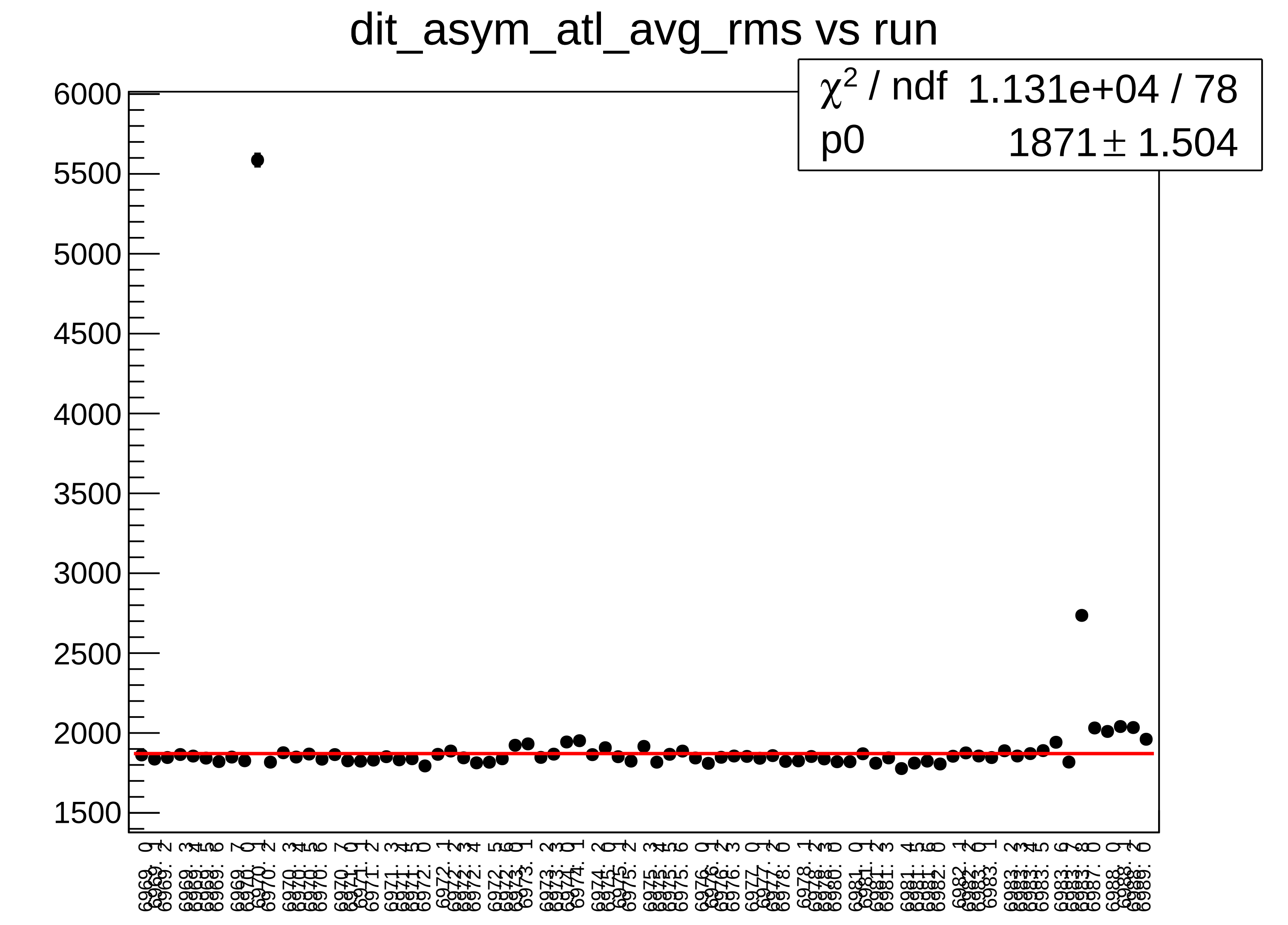
asym_at2_dd_mean vs run
χ2 / ndf 73.31 / 78
p0 1616 ± 2429
pull
Entries 79
Mean −1.29e+04
Std Dev 1.293e+04
pull1D
Entries 79
Mean 0.0003489
Std Dev 0.9633



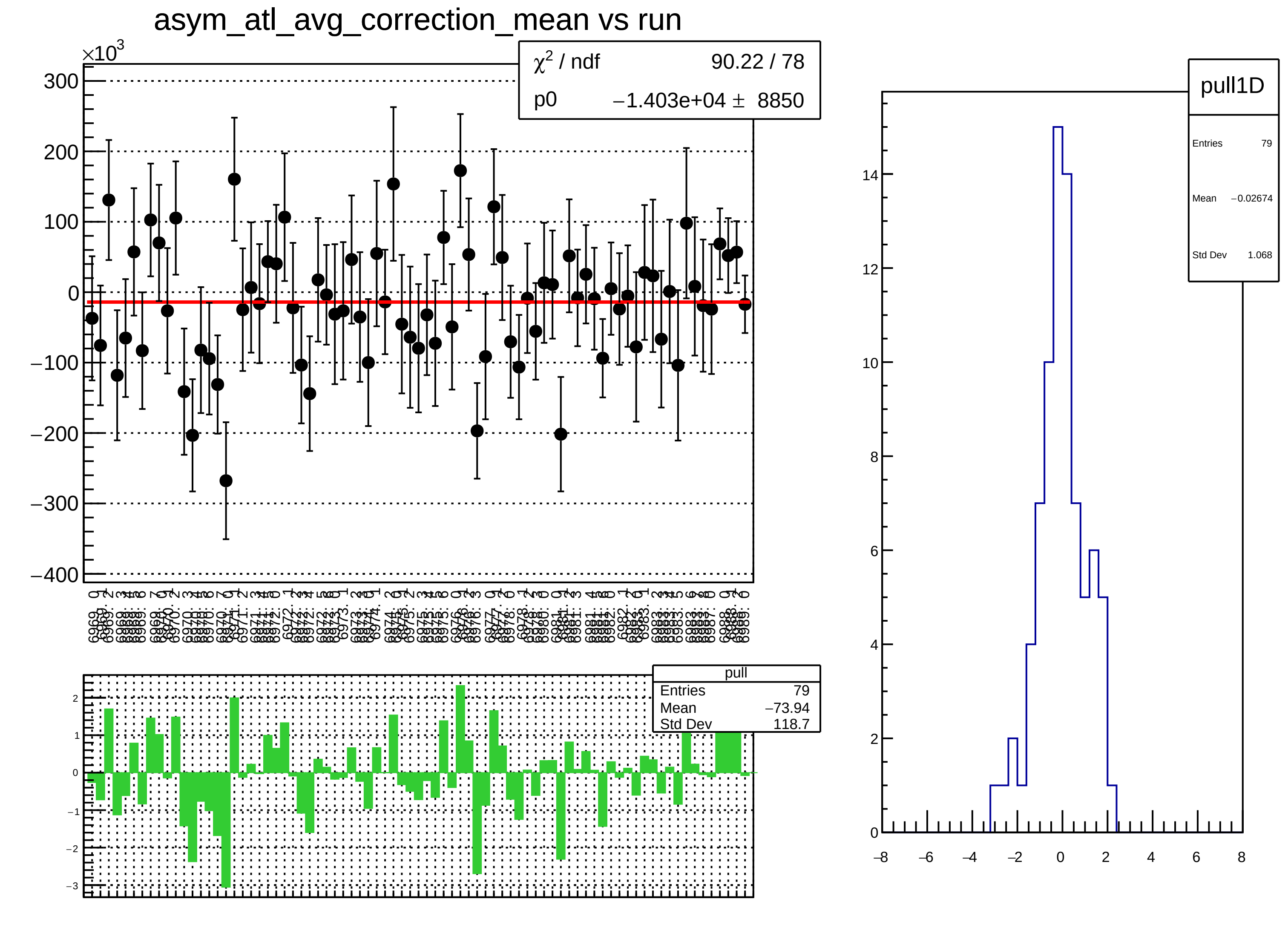
asym_at2_dd_rms vs run
χ2 / ndf 2020 / 78
p0 2144 ± 1.718
2400
2300
2200
2100
2000



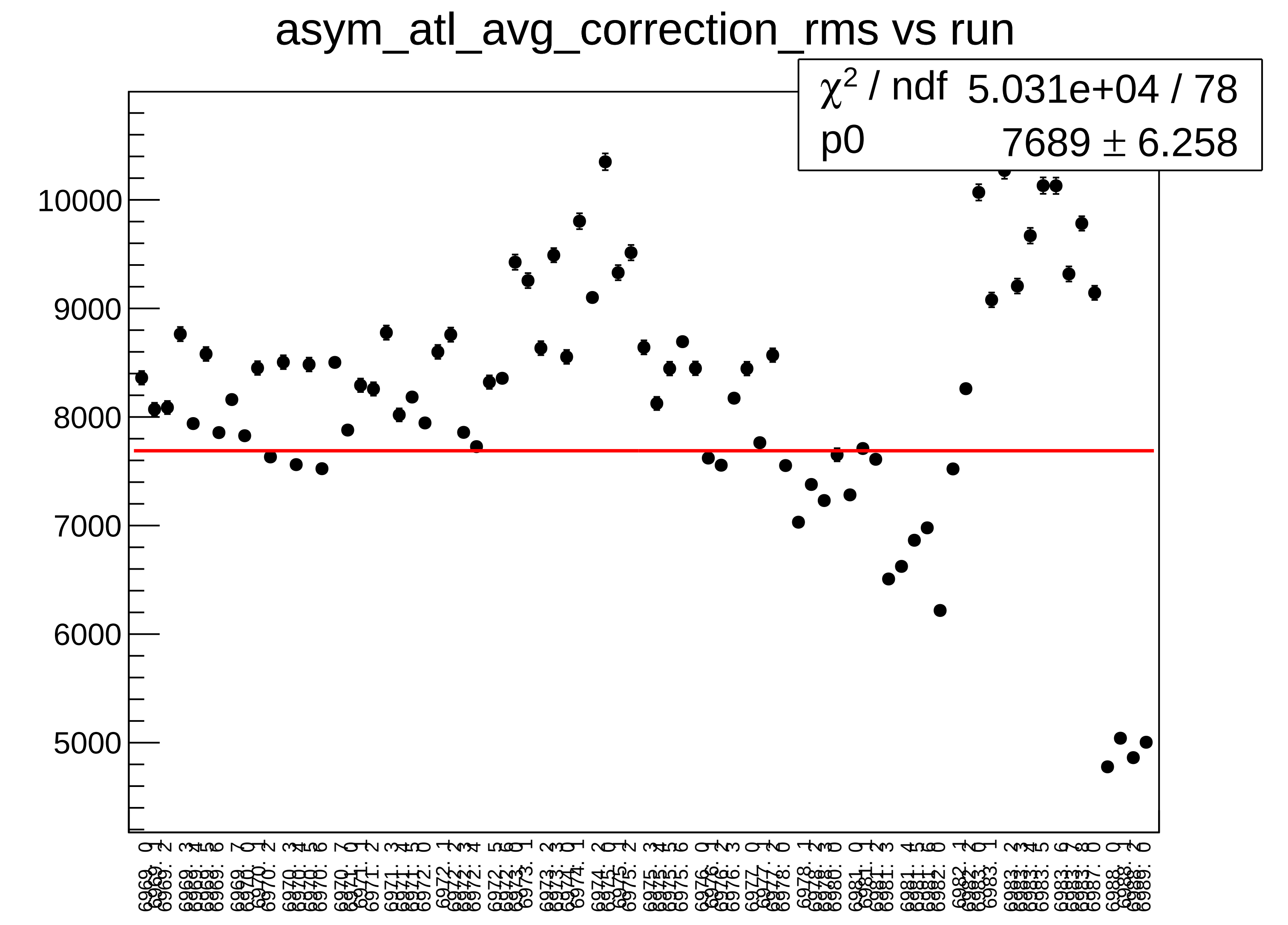
dit_asym_atl_avg_mean vs run
$\times 10^3$
χ^2 / ndf 80.74 / 78
p0 −324.2 ± 2126
pull
Entries 79
Mean −54.81
Std Dev 61.29
pull1D
Entries 79
Mean −0.03401
Std Dev 1.01



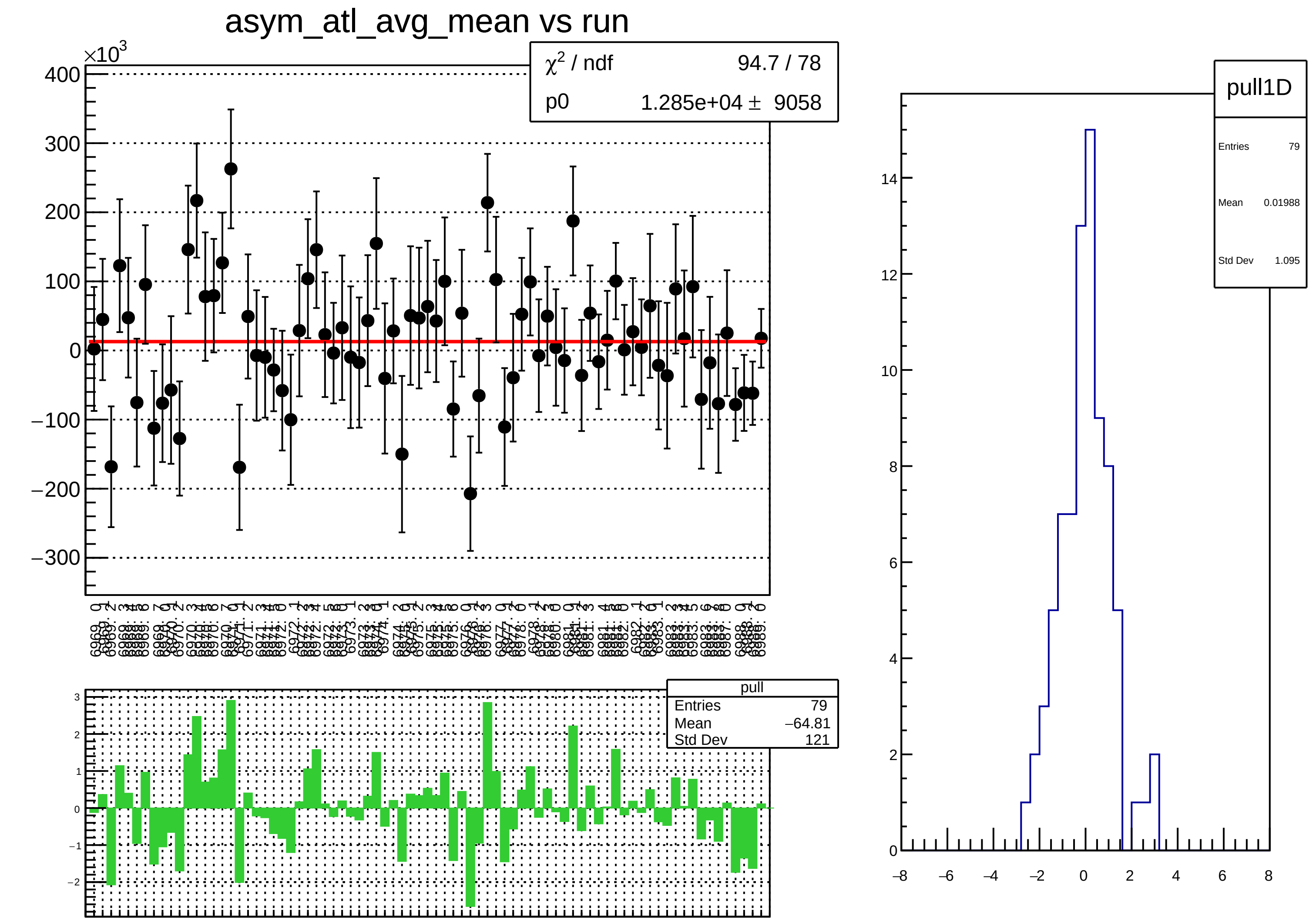
dit_asym_atl_avg_rms vs run
χ2 / ndf 1.131e+04 / 78
p0 1871 ± 1.504
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

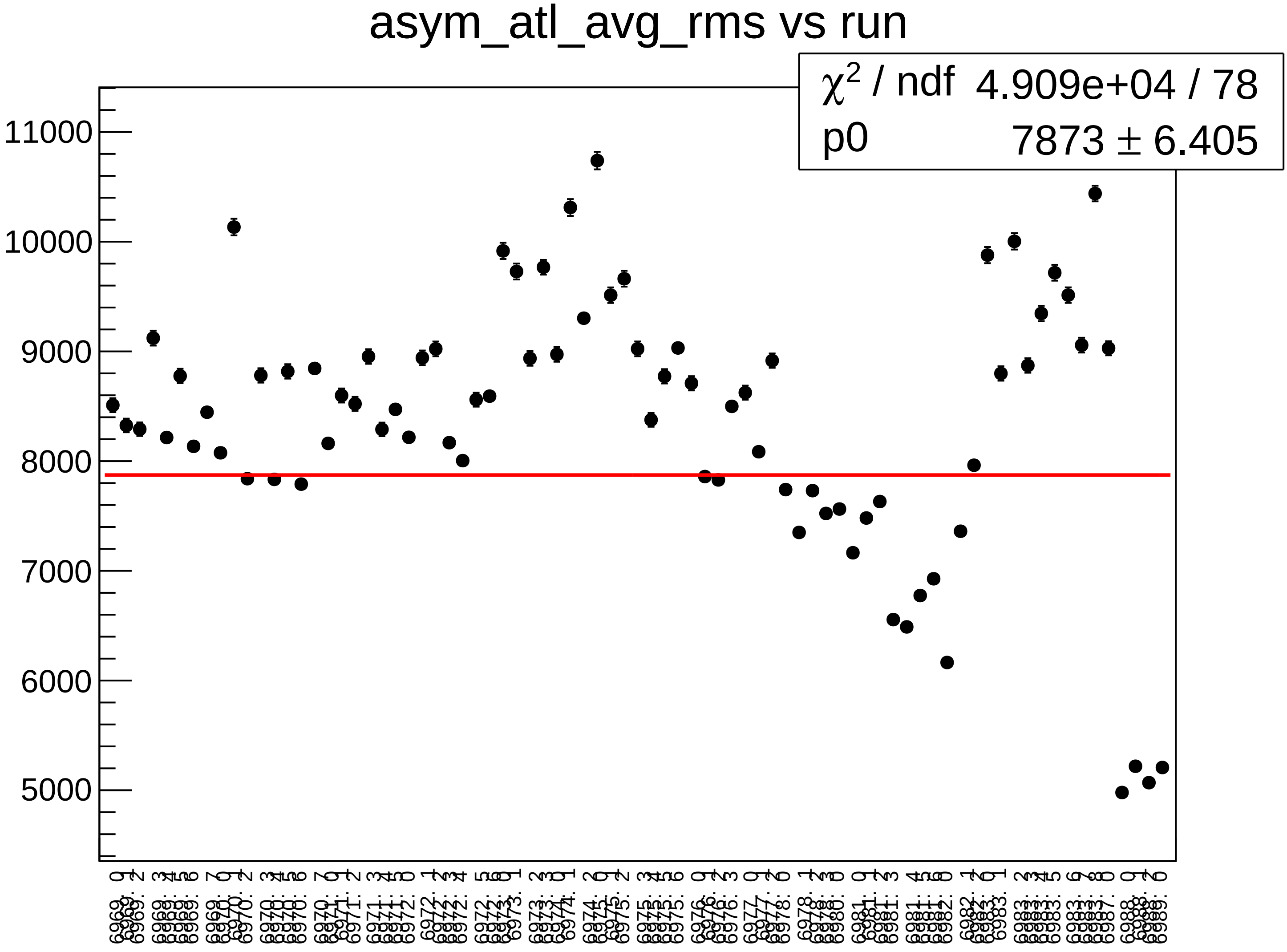


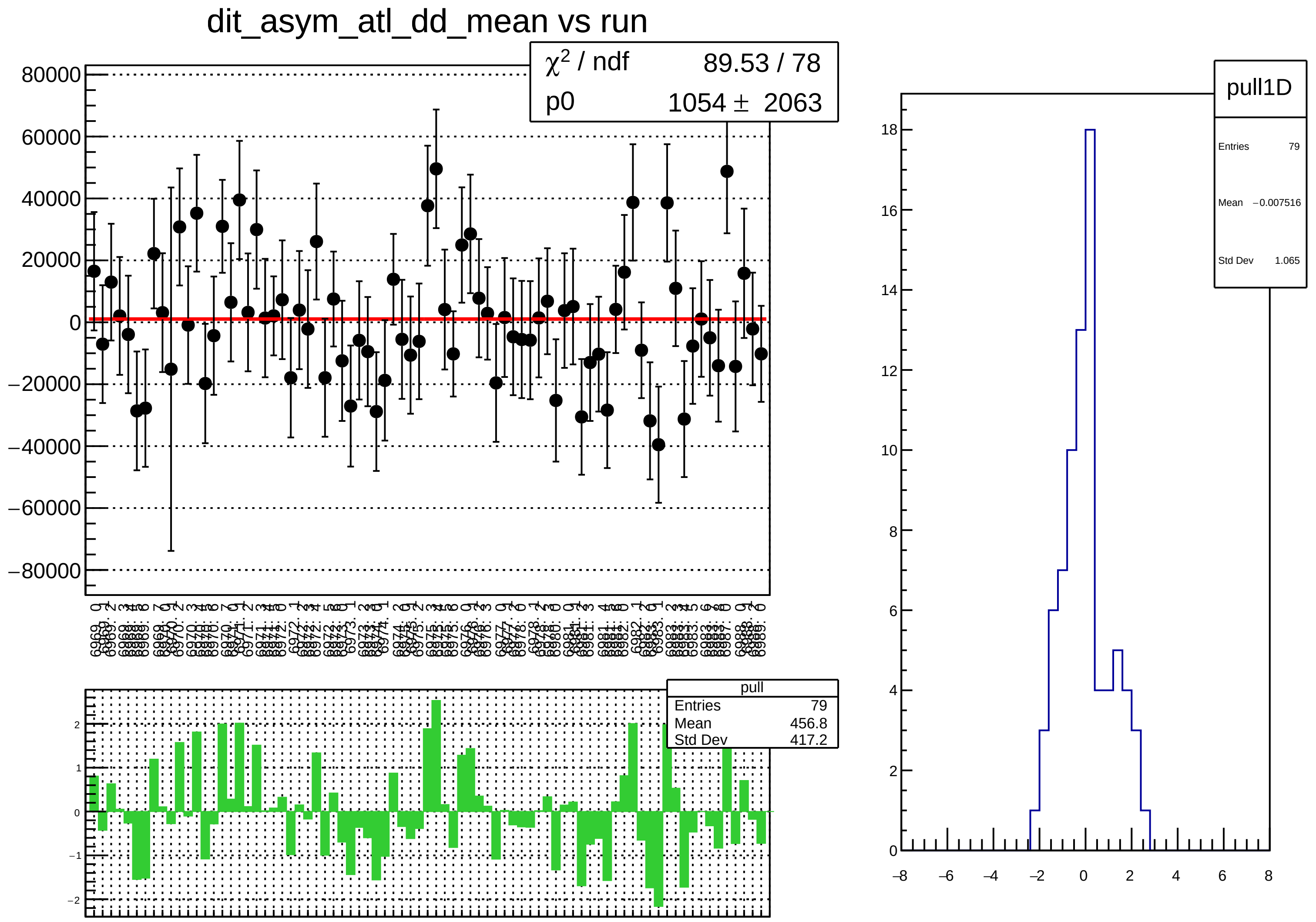
asym_atl_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 90.22 / 78
p0 −1.403e+04 ± 8850
pull
Entries 79
Mean −73.94
Std Dev 118.7
pull1D
Entries 79
Mean −0.02674
Std Dev 1.068



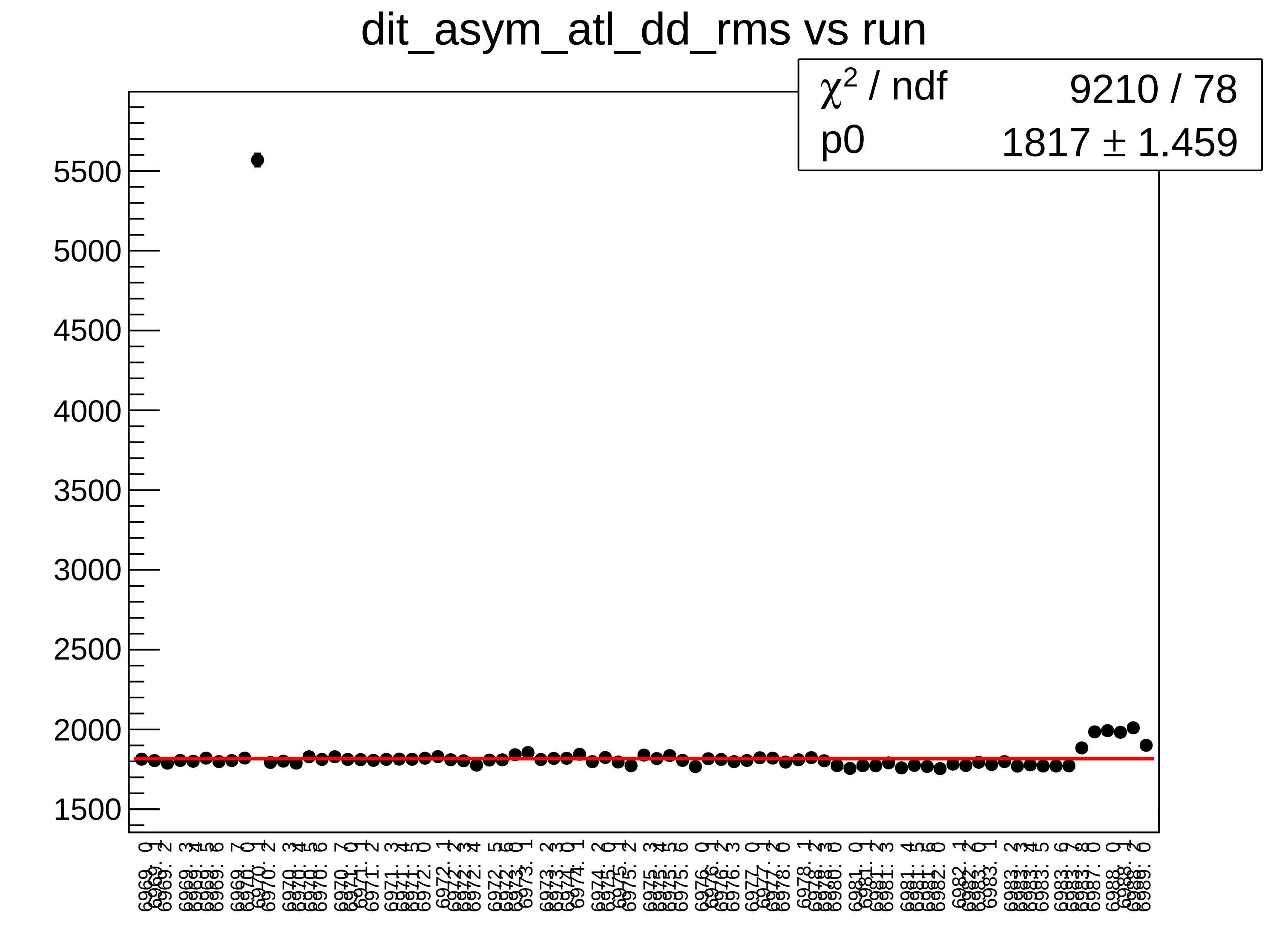
asym_atl_avg_correction_rms vs run
χ^2 / ndf 5.031e+04 / 78
p0 7689 ± 6.258
10000
9000
8000
7000
6000
5000


asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 94.7 / 78
p0 1.285e+04 ± 9058
pull
Entries 79
Mean −64.81
Std Dev 121
pull1D
Entries 79
Mean 0.01988
Std Dev 1.095

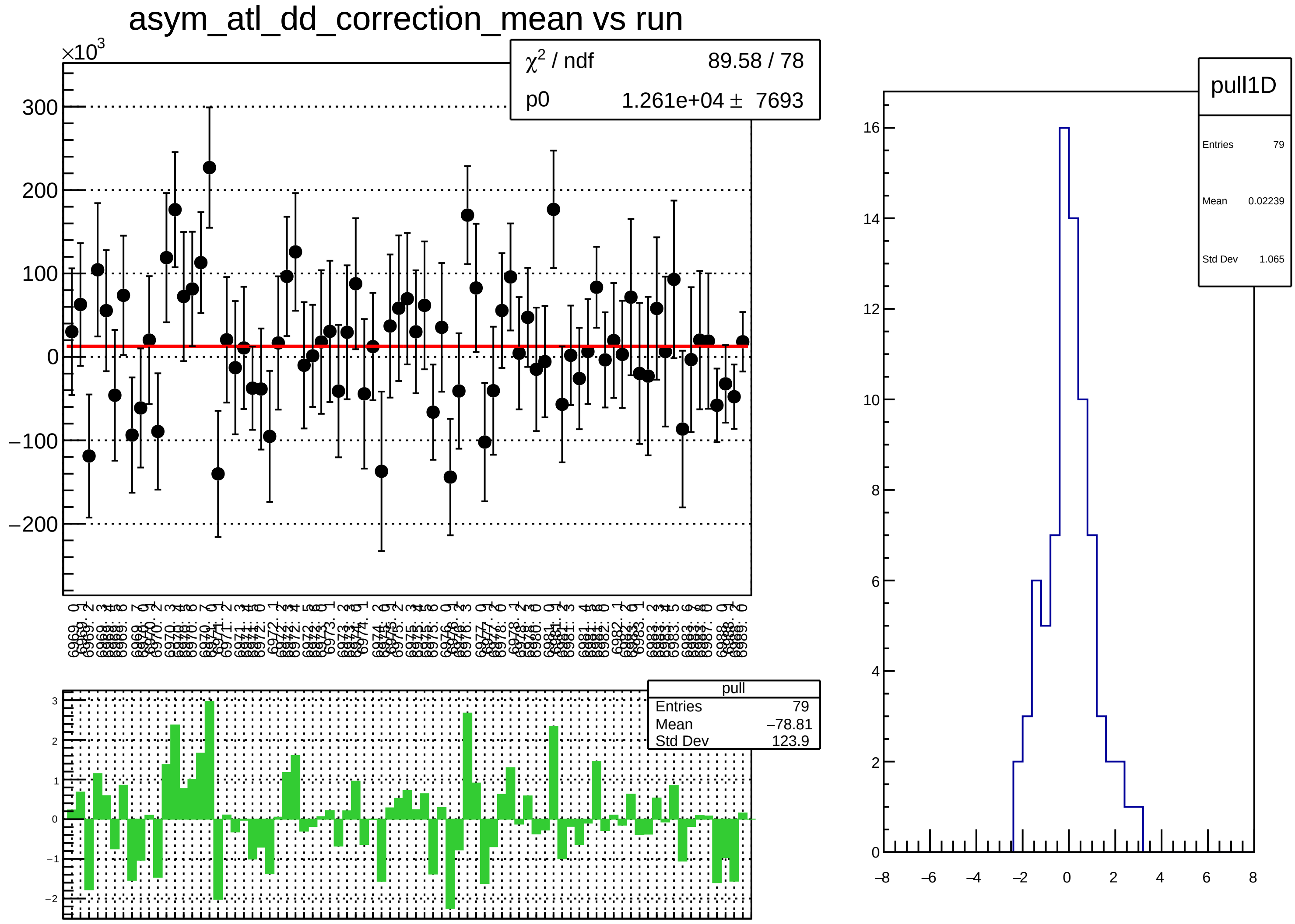

asym_atl_avg_rms vs run
χ2 / ndf 4.909e+04 / 78
p0 7873 ± 6.405
11000
10000
9000
8000
7000
6000
5000

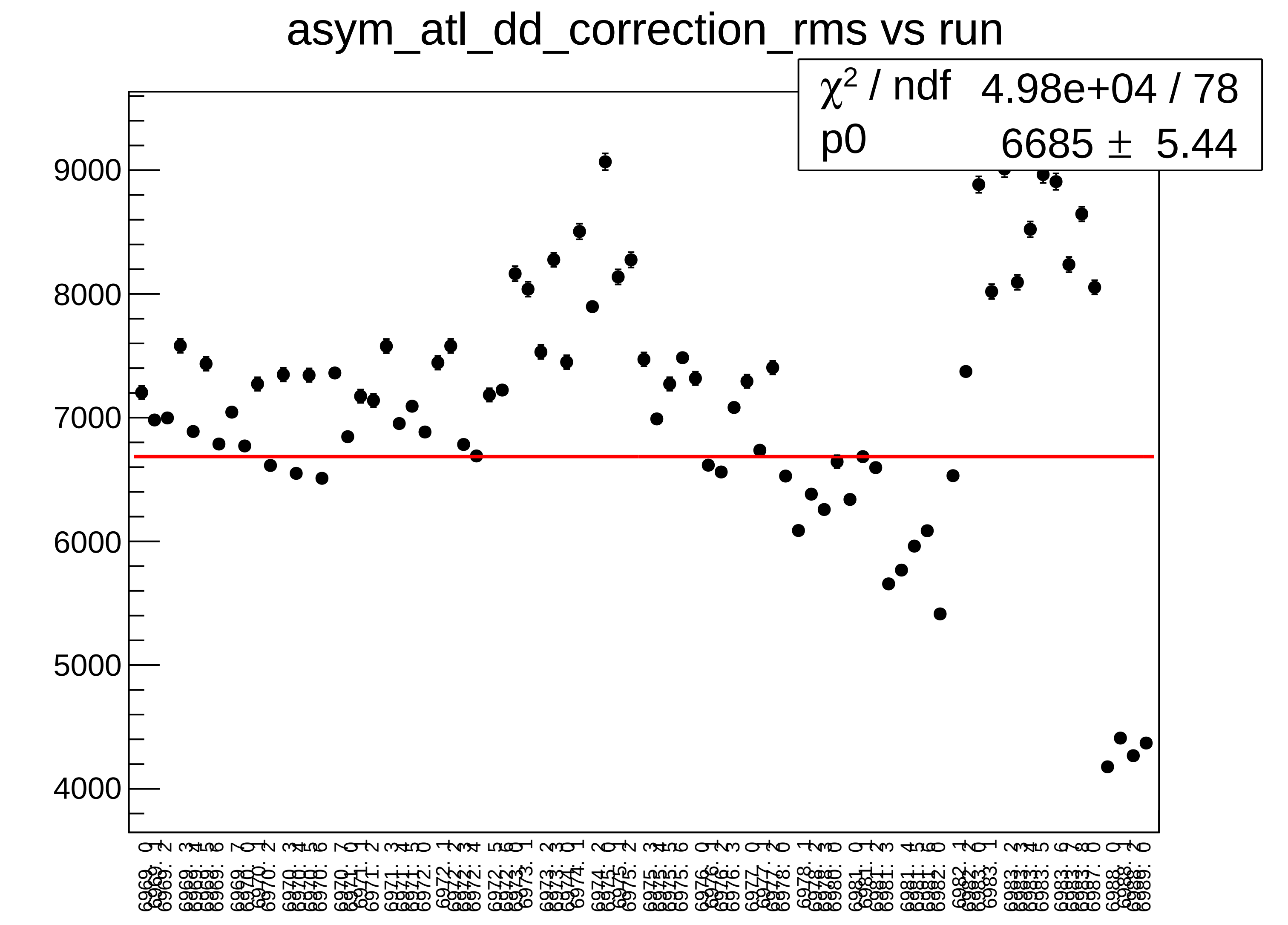


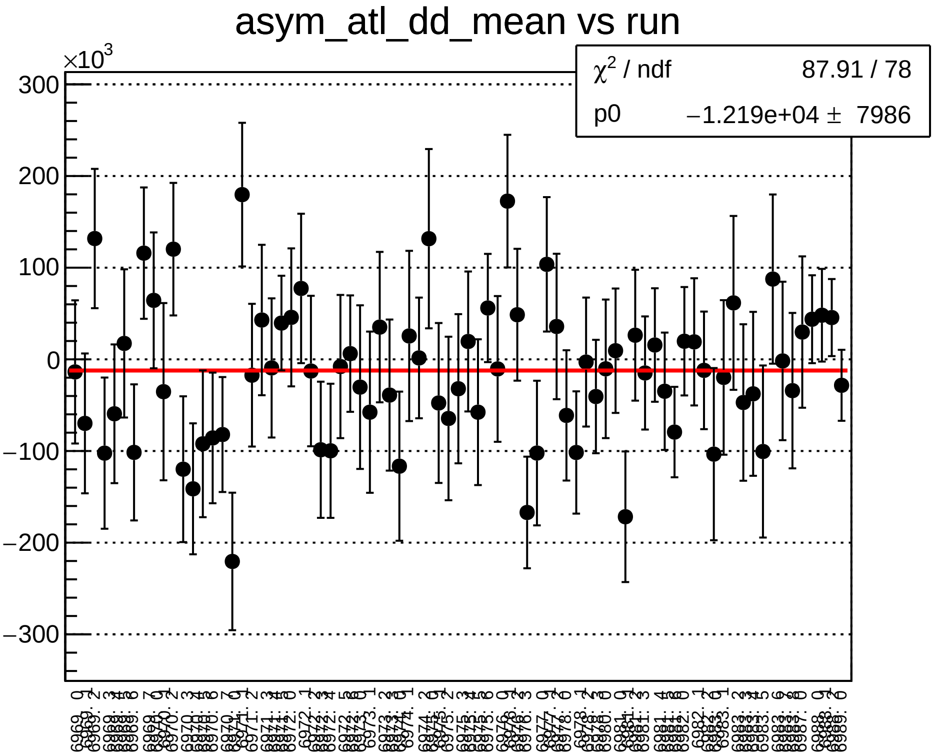
dit_asym_atl_dd_mean vs run
χ^2 / ndf 89.53 / 78
p0 1054 ± 2063
pull
Entries 79
Mean 456.8
Std Dev 417.2
pull1D
Entries 79
Mean −0.007516
Std Dev 1.065



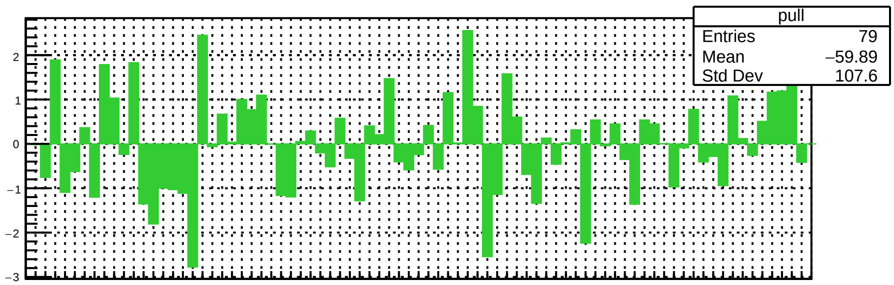
dit_asym_atl_dd_rms vs run
χ2 / ndf 9210 / 78
p0 1817 ± 1.459
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_atl_dd_correction_mean vs run
×10^3
χ2 / ndf 89.58 / 78
p0 1.261e+04 ± 7693
300
200
100
0
−100
−200
pull
Entries 79
Mean −78.81
Std Dev 123.9
3
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.02239
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

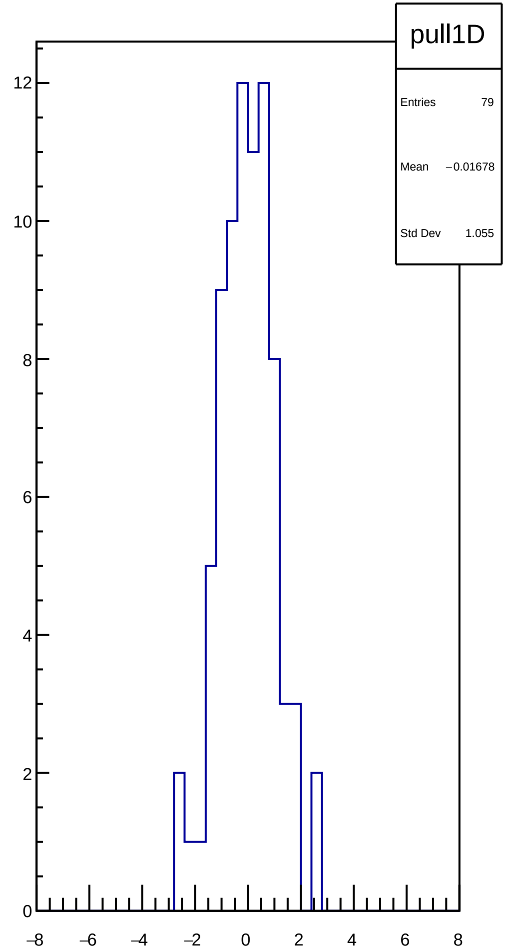

asym_atl_dd_correction_rms vs run
χ² / ndf 4.98e+04 / 78
p0 6685 ± 5.44
9000
8000
7000
6000
5000
4000



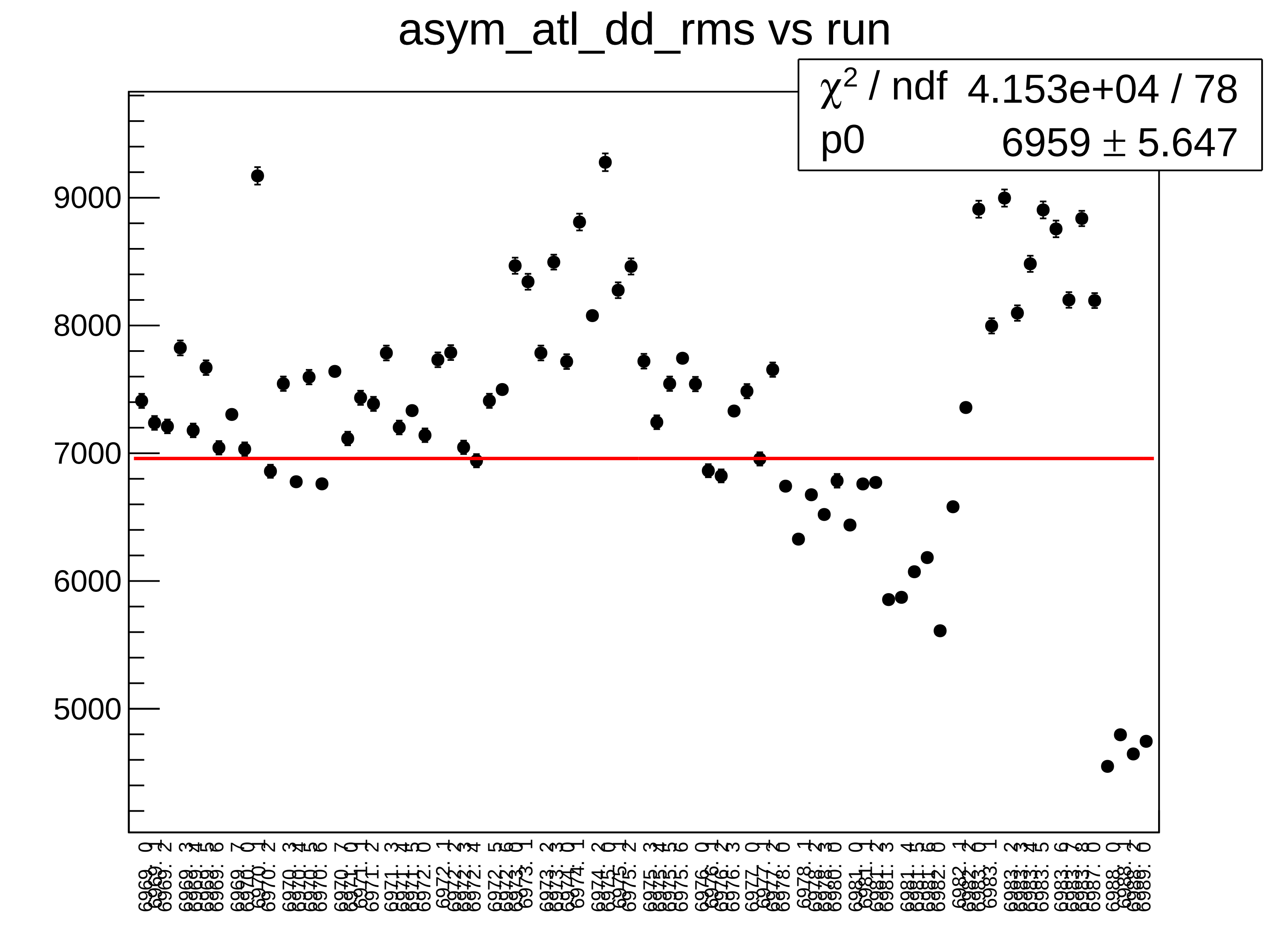
asym_atl_dd_mean vs run
×10^3
χ2 / ndf 87.91 / 78
p0 −1.219e+04 ± 7986
300
200
100
0
−100
−200
−300



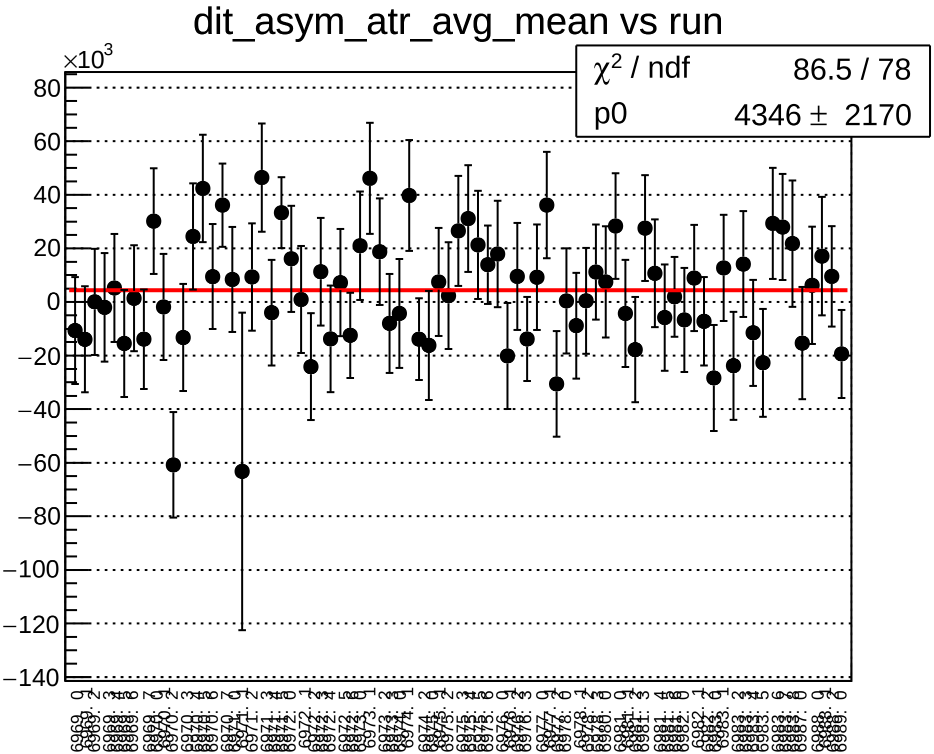
pull
Entries 79
Mean −59.89
Std Dev 107.6
2
1
0
−1
−2
−3

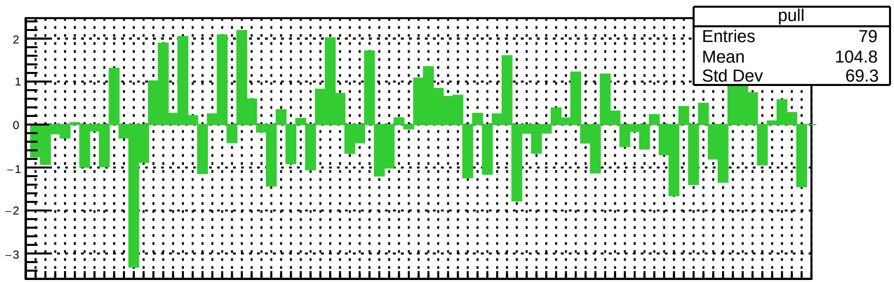


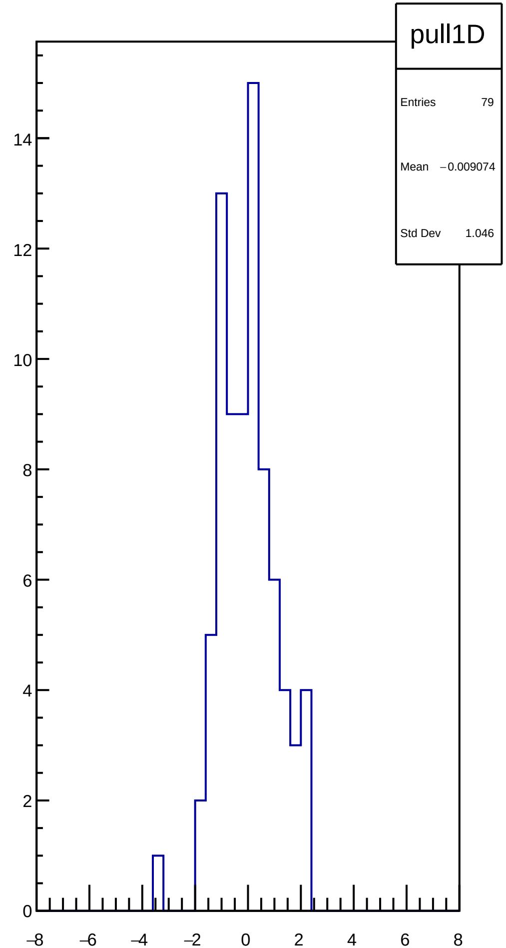
pull1D
Entries 79
Mean −0.01678
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

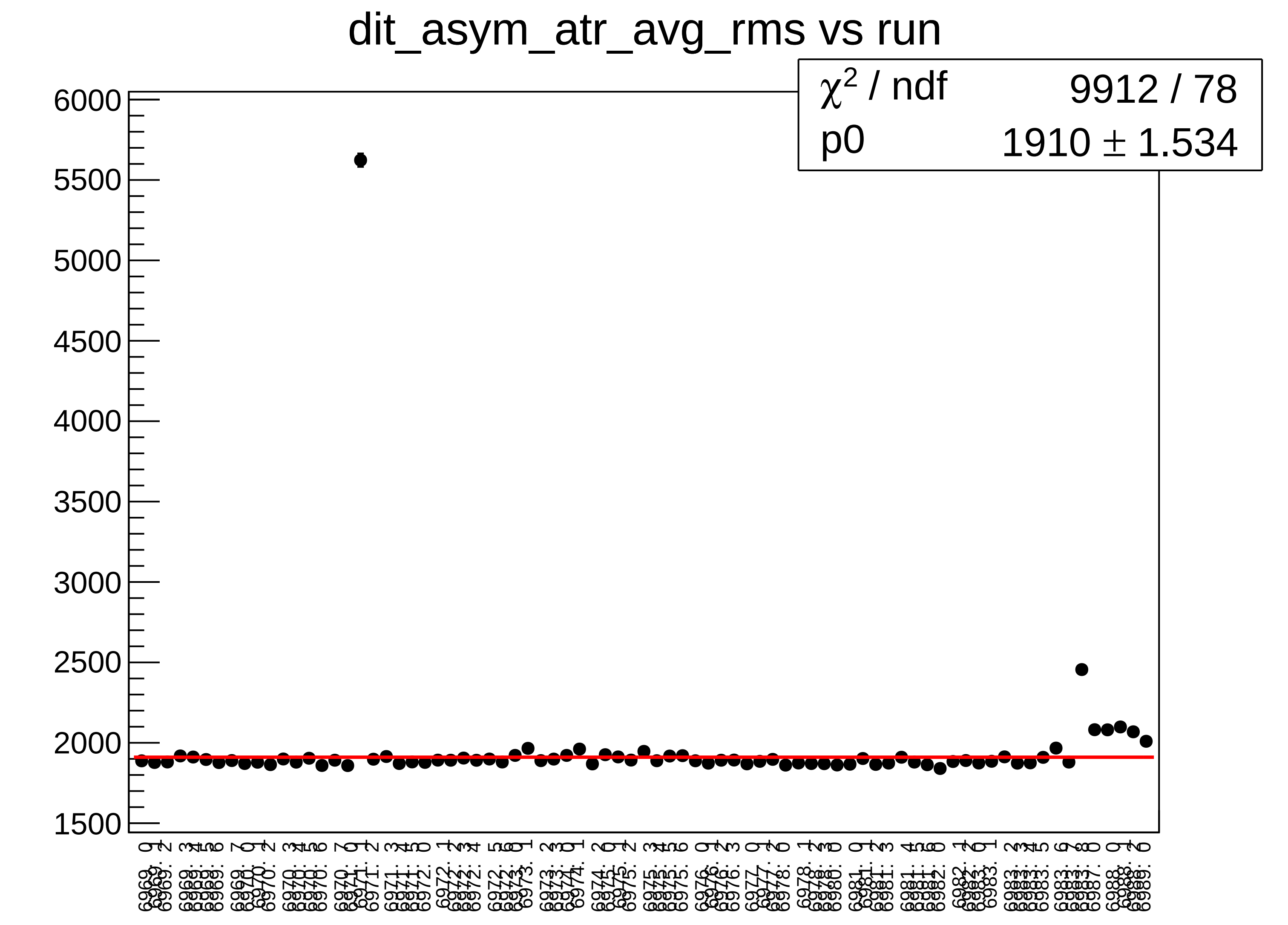


asym_atl_dd_rms vs run
χ^2 / ndf 4.153e+04 / 78
p0 6959 ± 5.647
9000
8000
7000
6000
5000

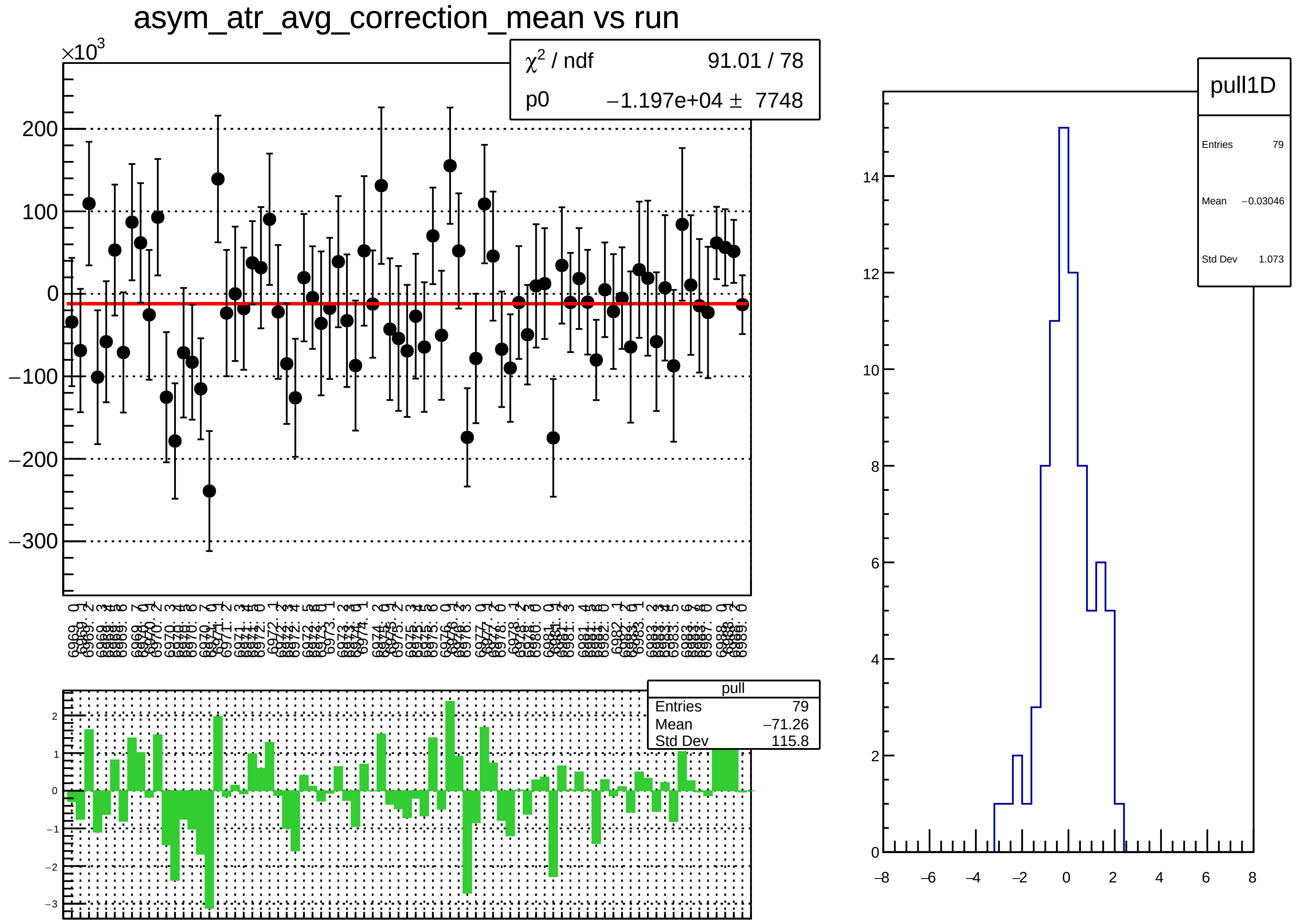

dit_asym_atr_avg_mean vs run
χ^2 / ndf 86.5 / 78
p0 4346 ± 2170
×10^3

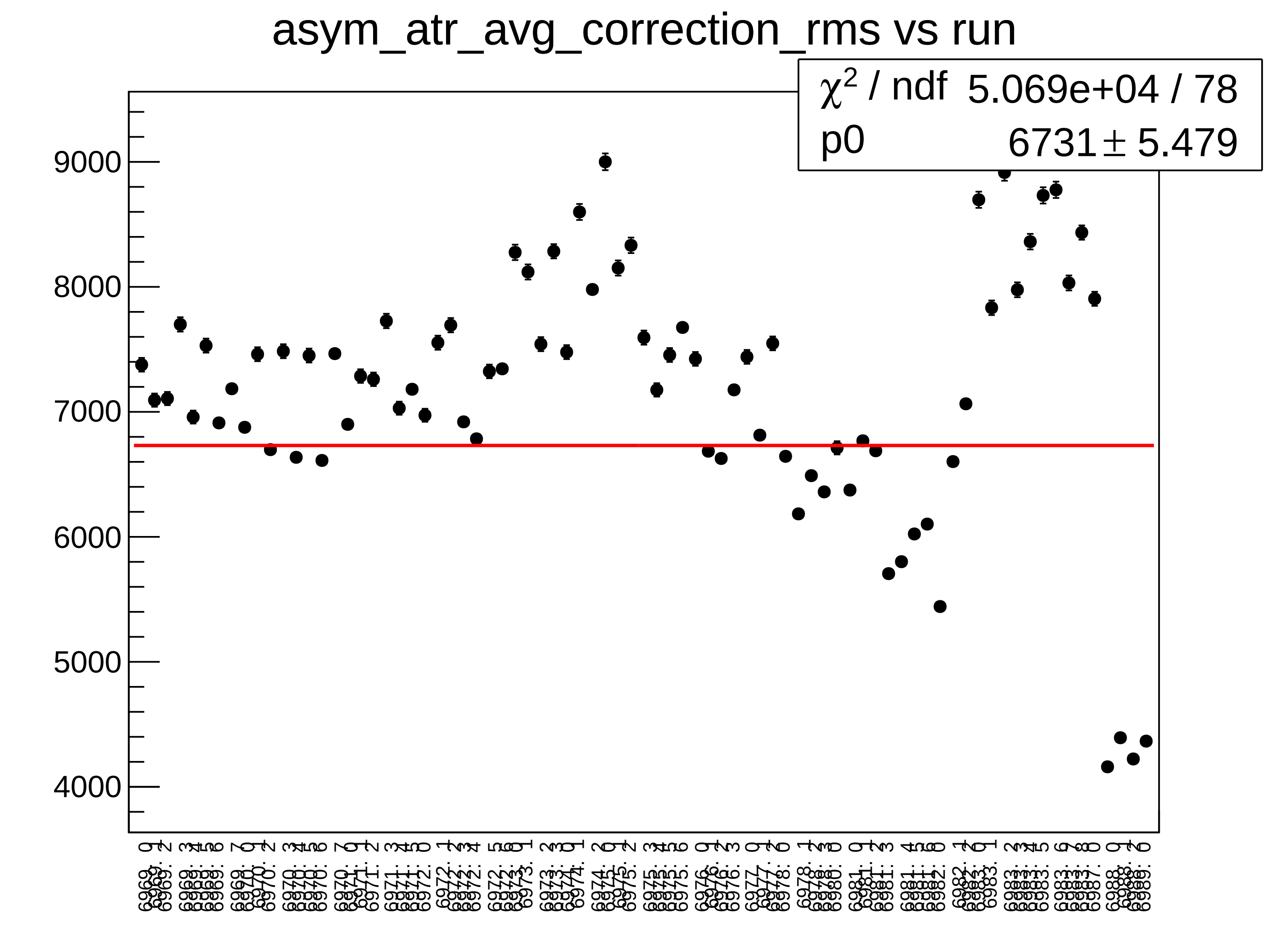

pull
Entries 79
Mean 104.8
Std Dev 69.3

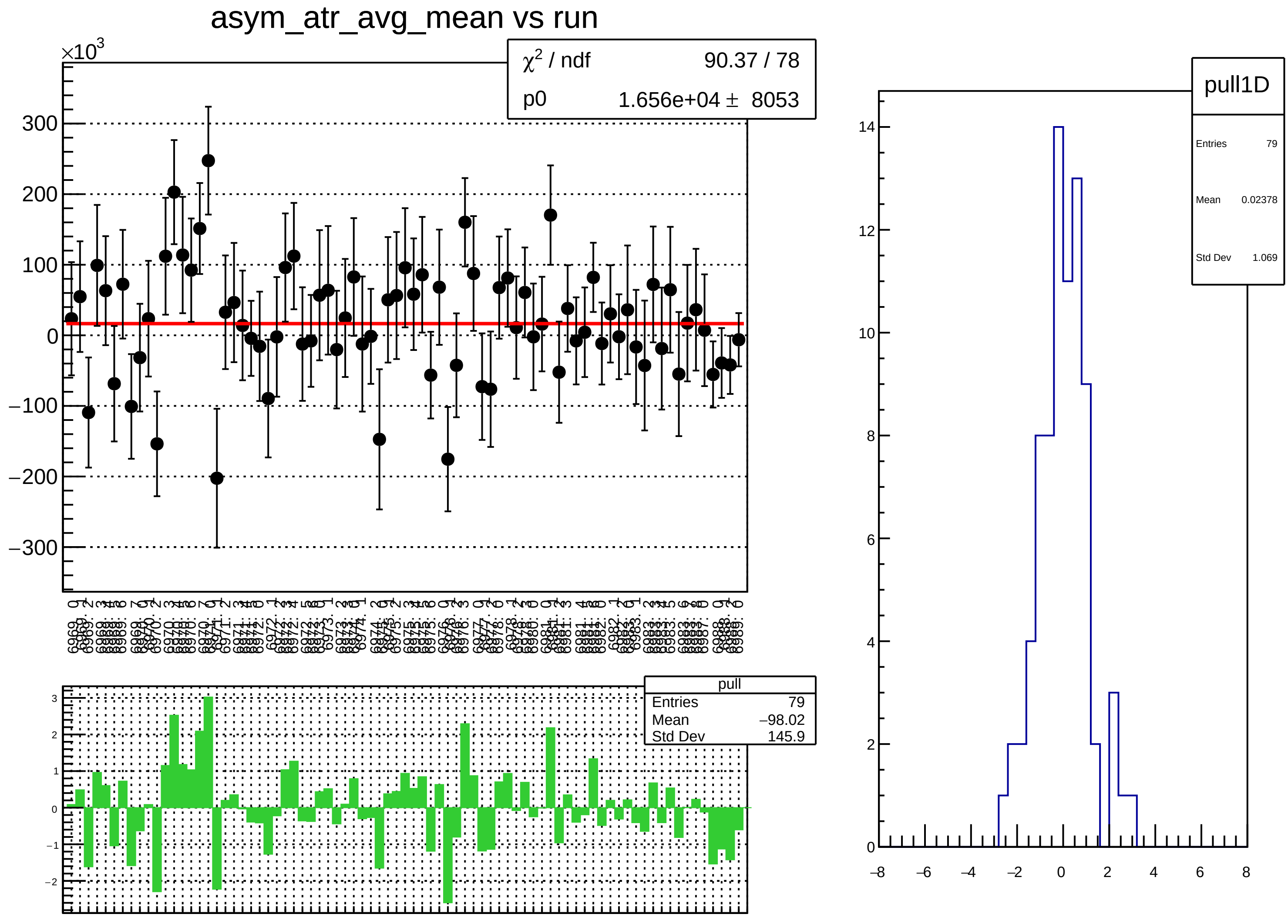

pull1D
Entries 79
Mean −0.009074
Std Dev 1.046



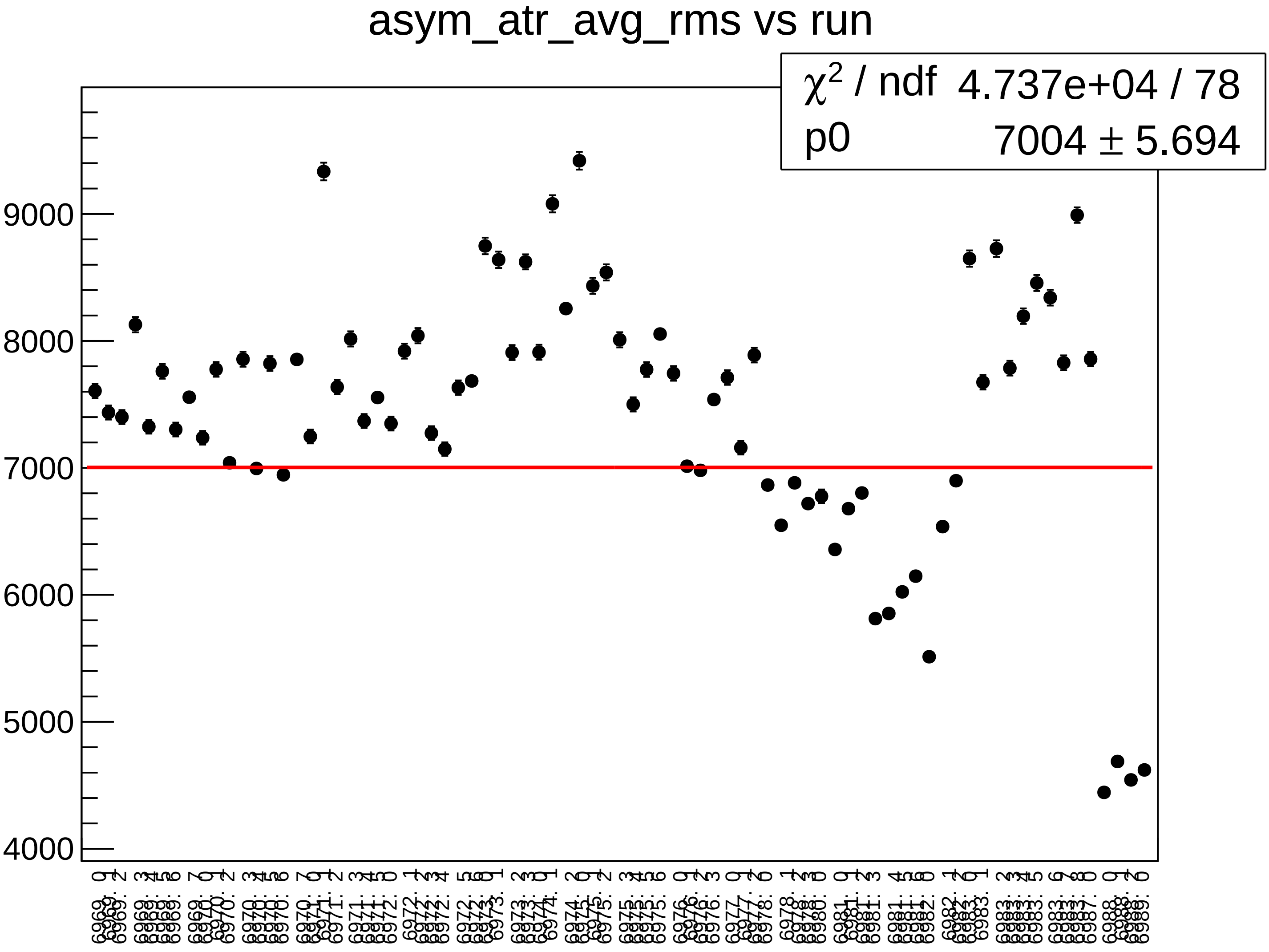
dit_asym_atr_avg_rms vs run
χ^2 / ndf 9912 / 78
p0 1910 ± 1.534


asym_atr_avg_correction_mean vs run
χ2 / ndf 91.01 / 78
p0 −1.197e+04 ± 7748
pull
Entries 79
Mean −71.26
Std Dev 115.8
pull1D
Entries 79
Mean −0.03046
Std Dev 1.073

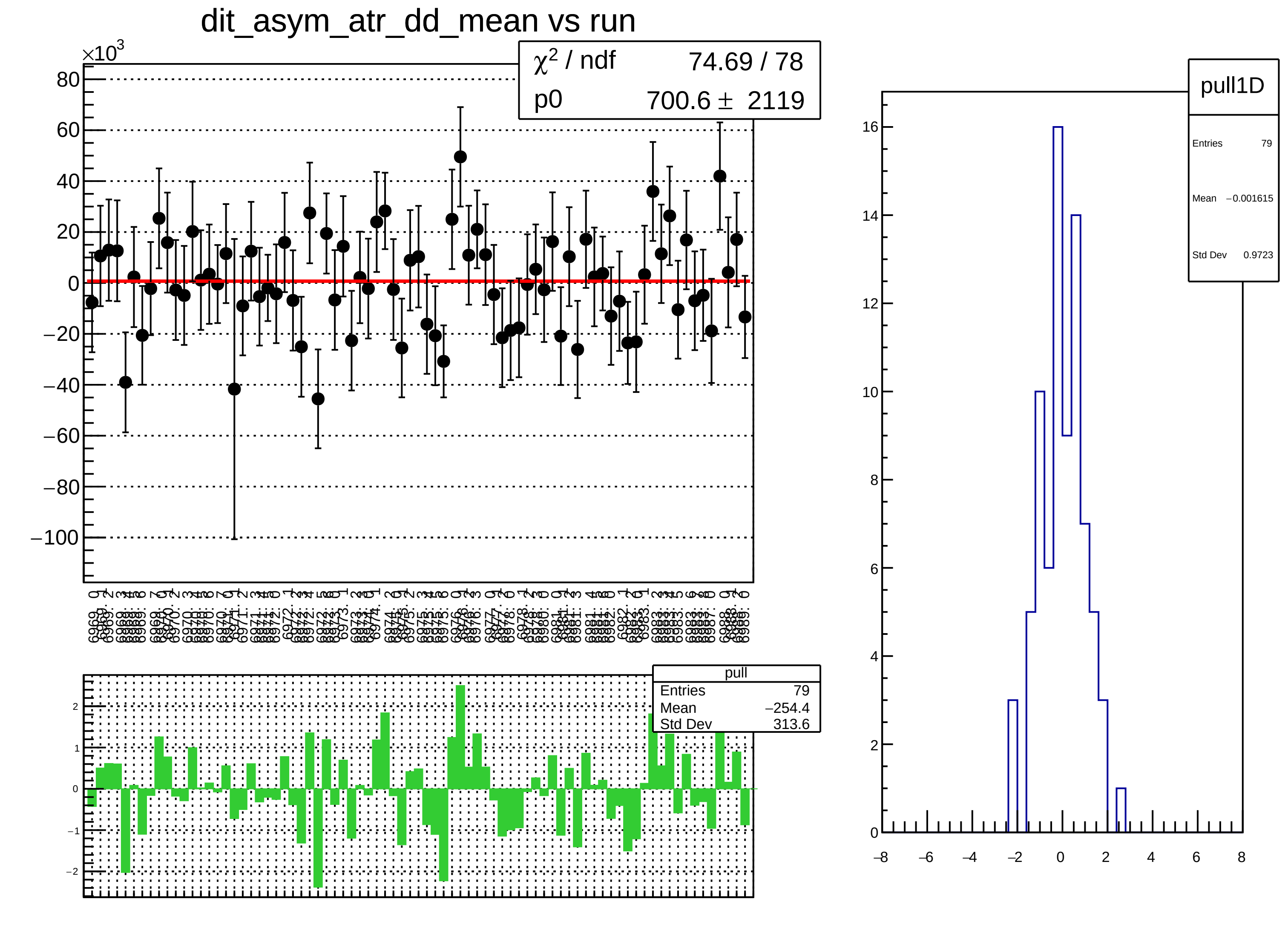

asym_atr_avg_correction_rms vs run
χ^2 / ndf 5.069e+04 / 78
p0 6731 ± 5.479
9000
8000
7000
6000
5000
4000

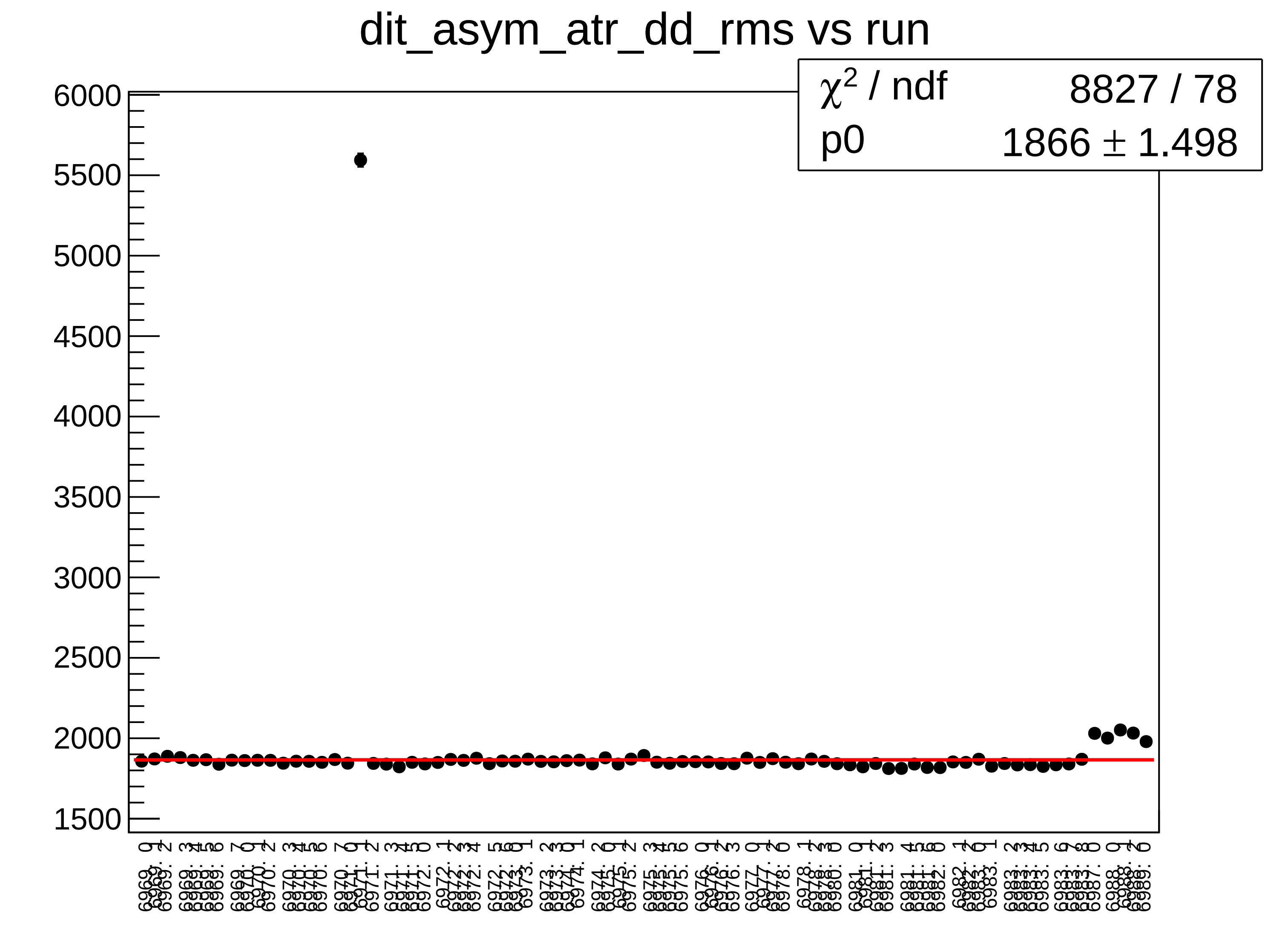


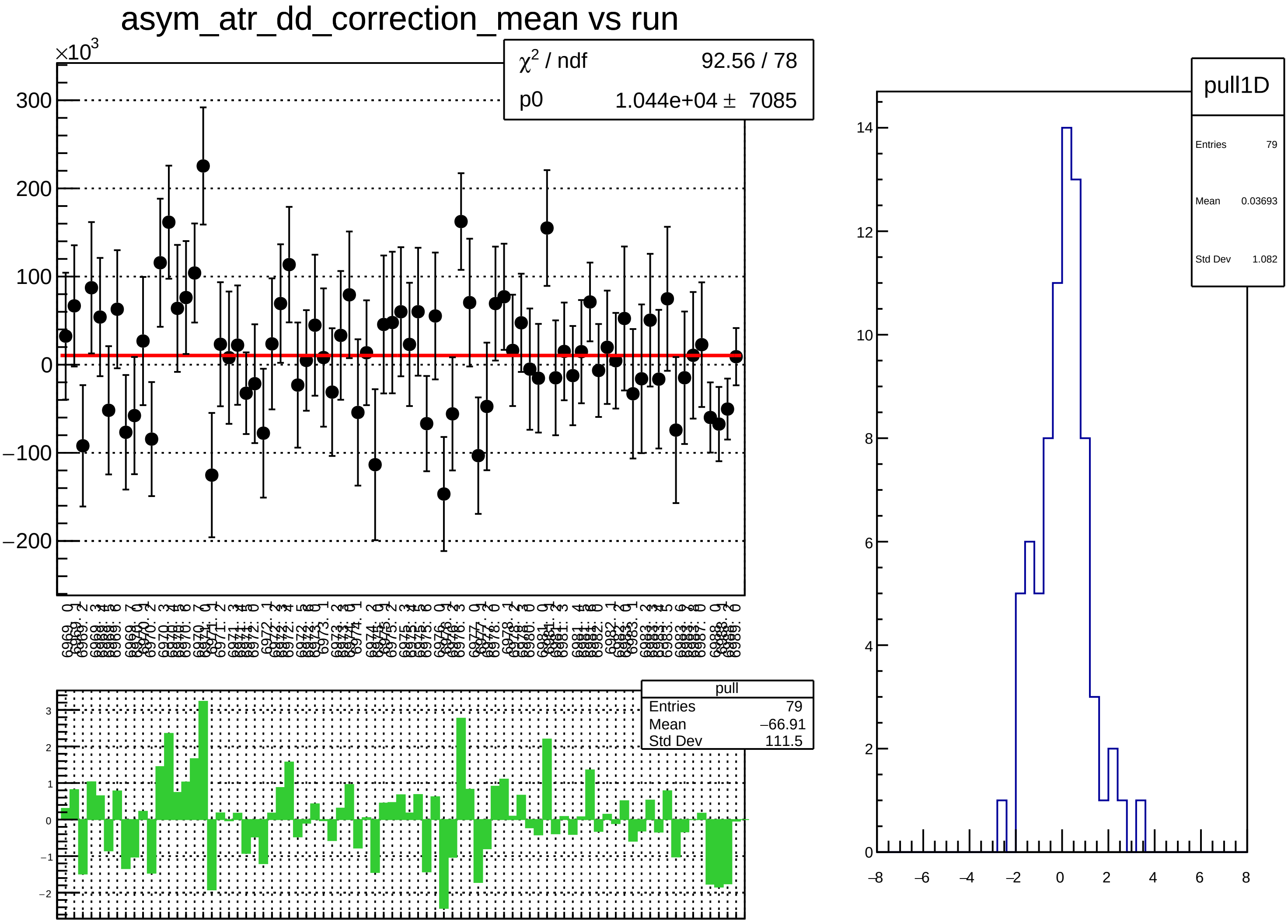
asym_atr_avg_mean vs run
χ^2 / ndf 90.37 / 78
p0 1.656e+04 ± 8053
×10³
300
200
100
0
−100
−200
−300
pull
Entries 79
Mean −98.02
Std Dev 145.9
pull1D
Entries 79
Mean 0.02378
Std Dev 1.069



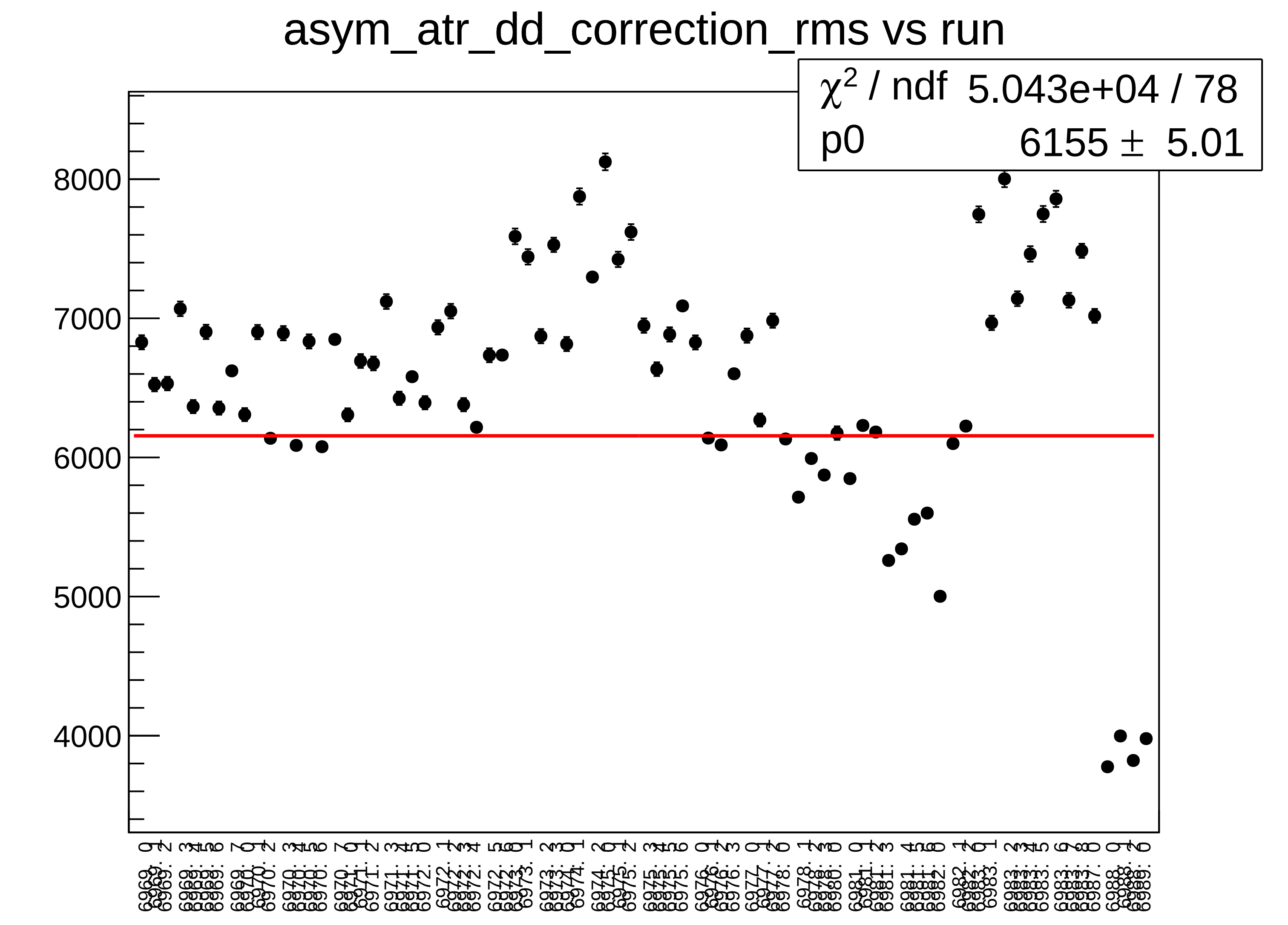
asym_atr_avg_rms vs run
χ2 / ndf 4.737e+04 / 78
p0 7004 ± 5.694
9000
8000
7000
6000
5000
4000


dit_asym_atr_dd_mean vs run
χ2 / ndf 74.69 / 78
p0 700.6 ± 2119
pull
Entries 79
Mean −254.4
Std Dev 313.6
pull1D
Entries 79
Mean −0.001615
Std Dev 0.9723

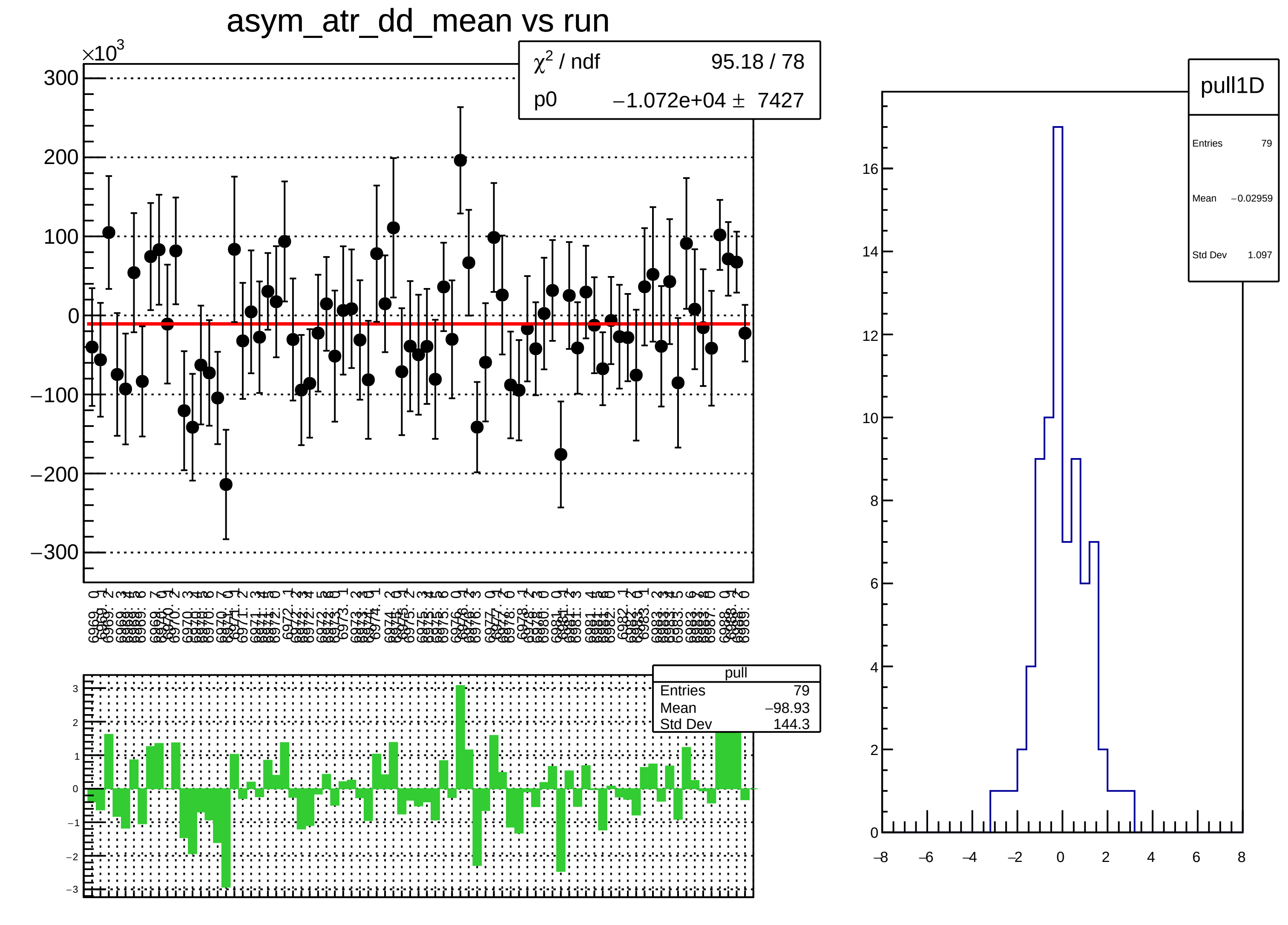

dit_asym_atr_dd_rms vs run
χ^2 / ndf 8827 / 78
p0 1866 ± 1.498
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500



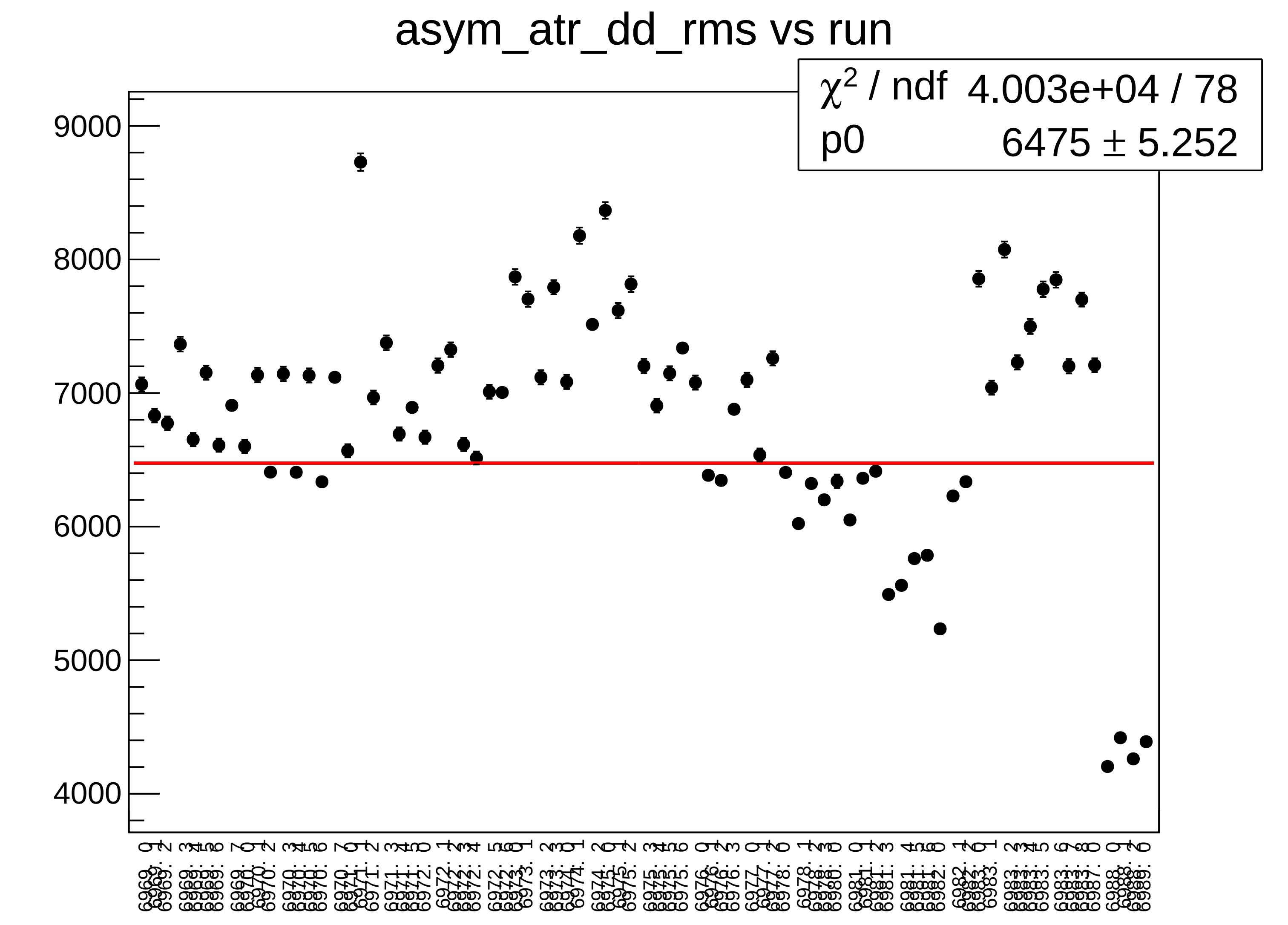
asym_atr_dd_correction_mean vs run
$\times10^3$
χ^2 / ndf 92.56 / 78
p0 1.044e+04 ± 7085
pull
Entries 79
Mean −66.91
Std Dev 111.5
pull1D
Entries 79
Mean 0.03693
Std Dev 1.082



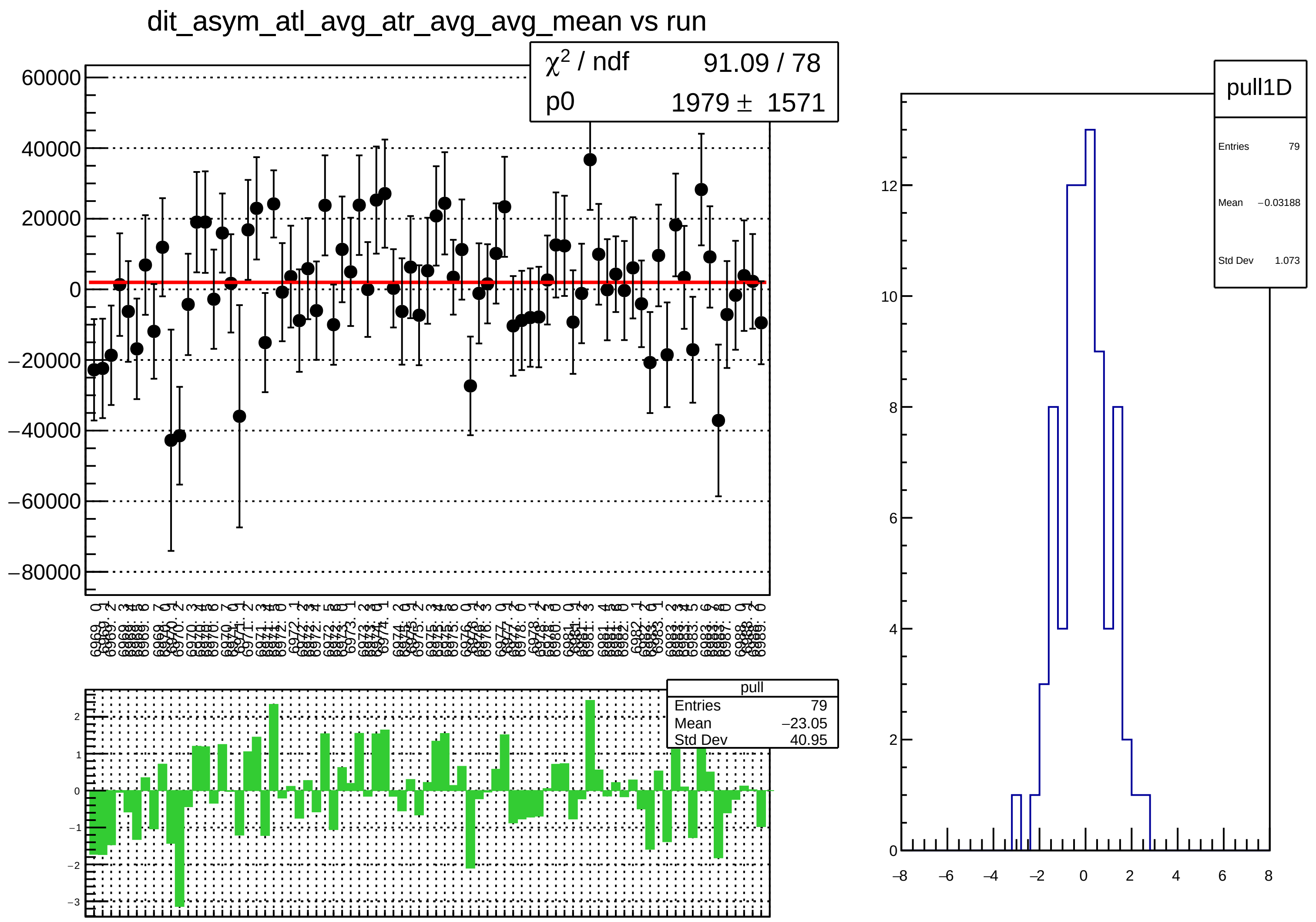
asym_atr_dd_correction_rms vs run
χ^2 / ndf 5.043e+04 / 78
p0 6155 ± 5.01
8000
7000
6000
5000
4000



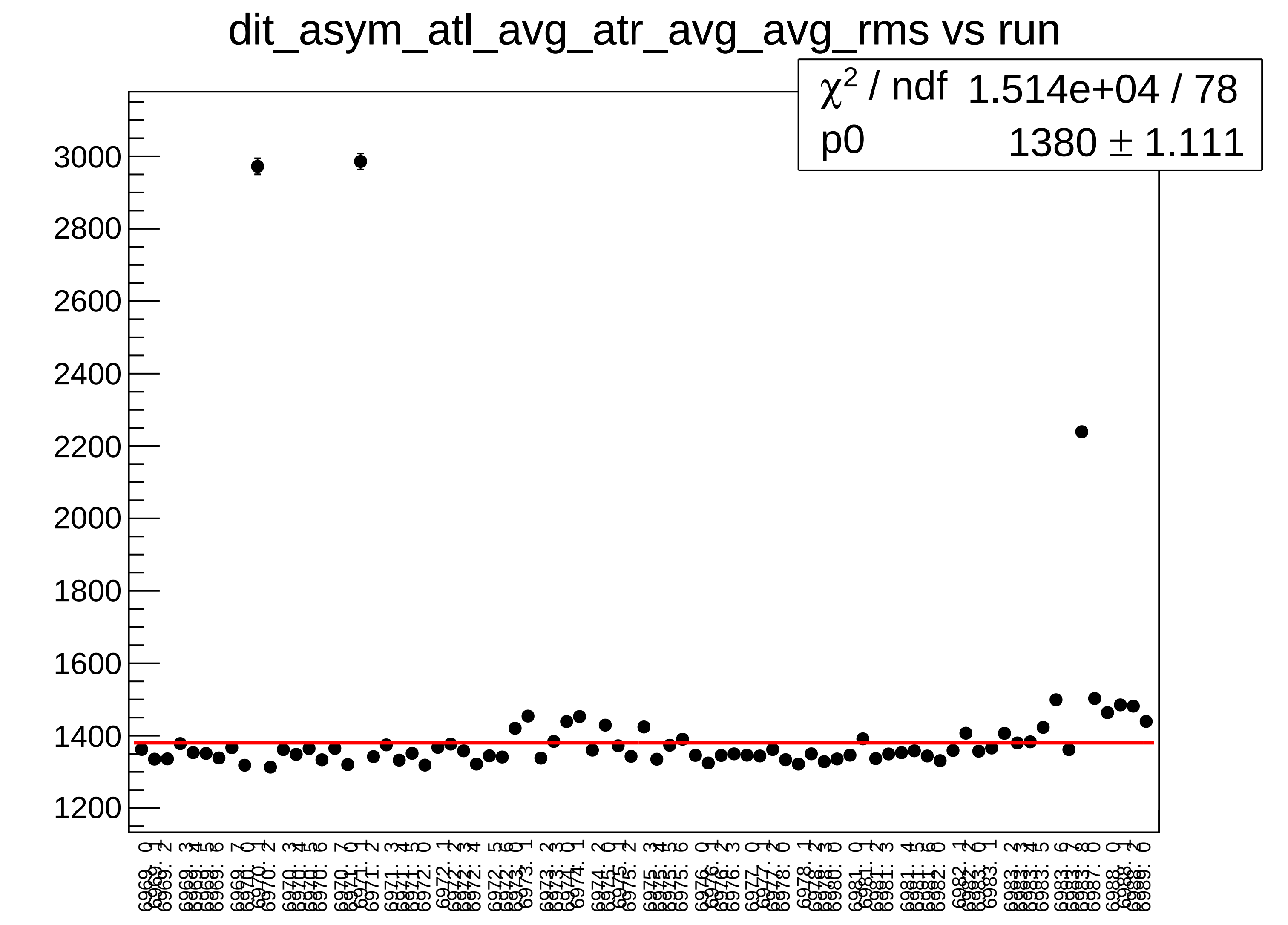
asym_atr_dd_mean vs run
×10^3
χ2 / ndf 95.18 / 78
p0 −1.072e+04 ± 7427
pull
Entries 79
Mean −98.93
Std Dev 144.3
pull1D
Entries 79
Mean −0.02959
Std Dev 1.097



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

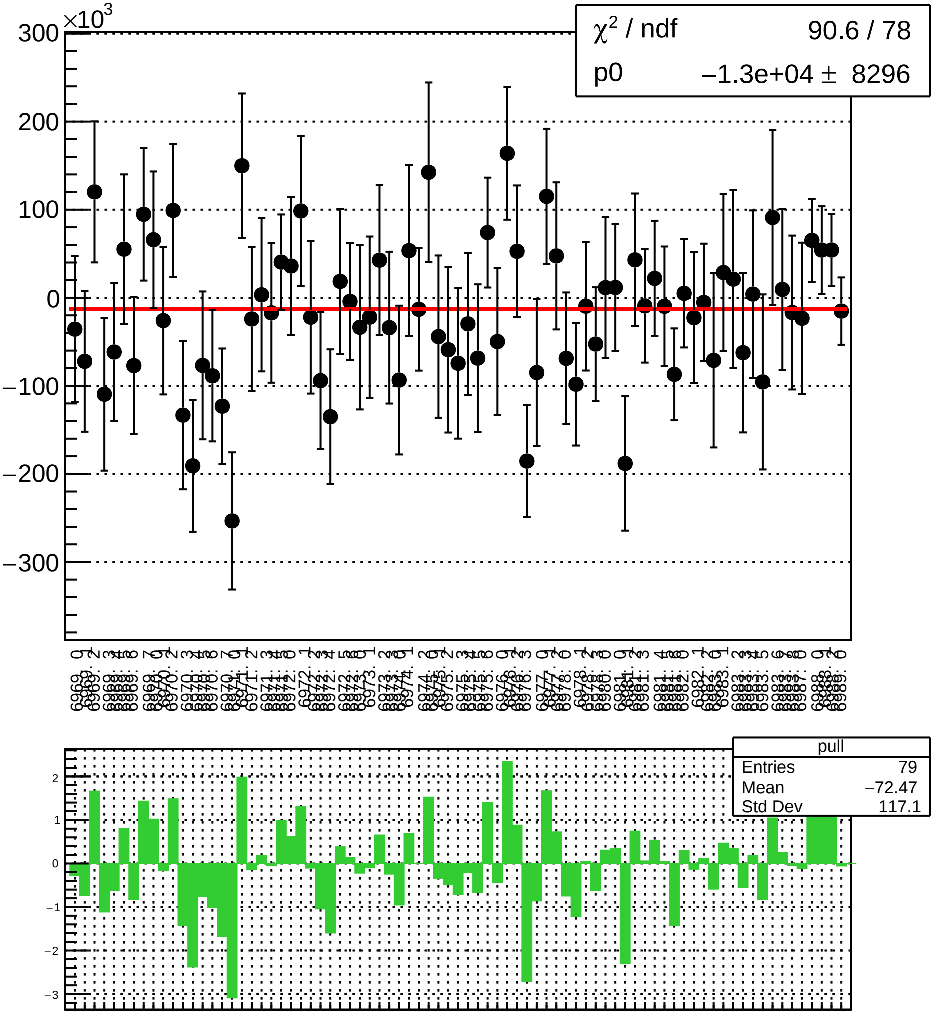


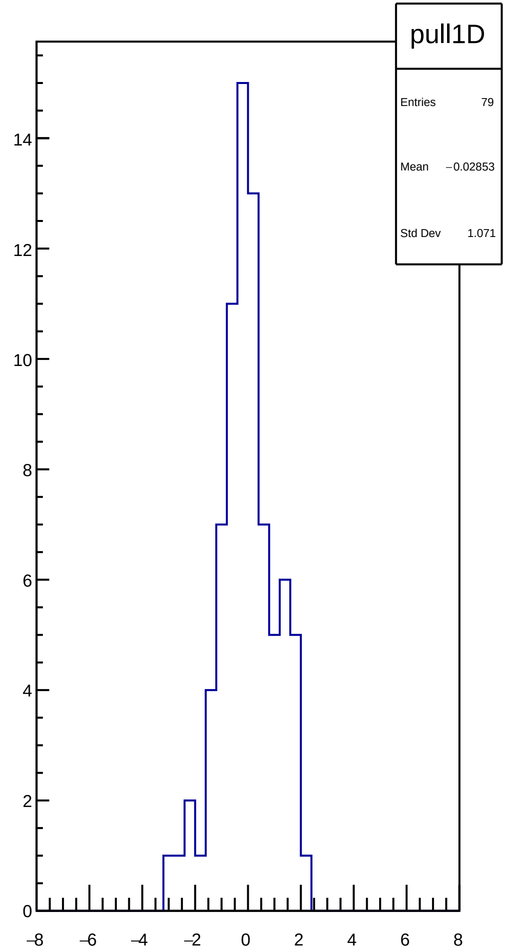
dit_asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 91.09 / 78
p0 1979 ± 1571
pull
Entries 79
Mean −23.05
Std Dev 40.95
pull1D
Entries 79
Mean −0.03188
Std Dev 1.073

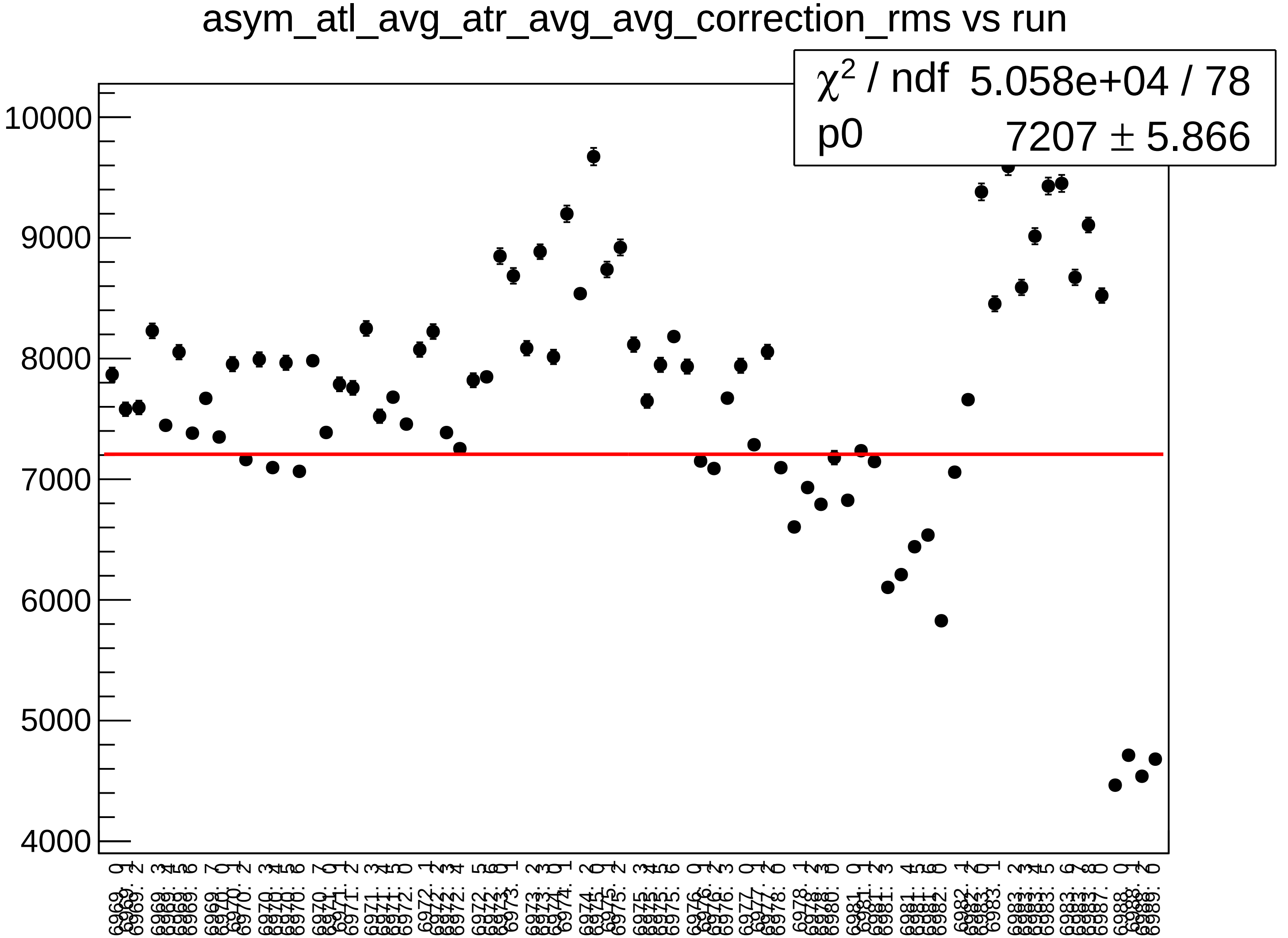


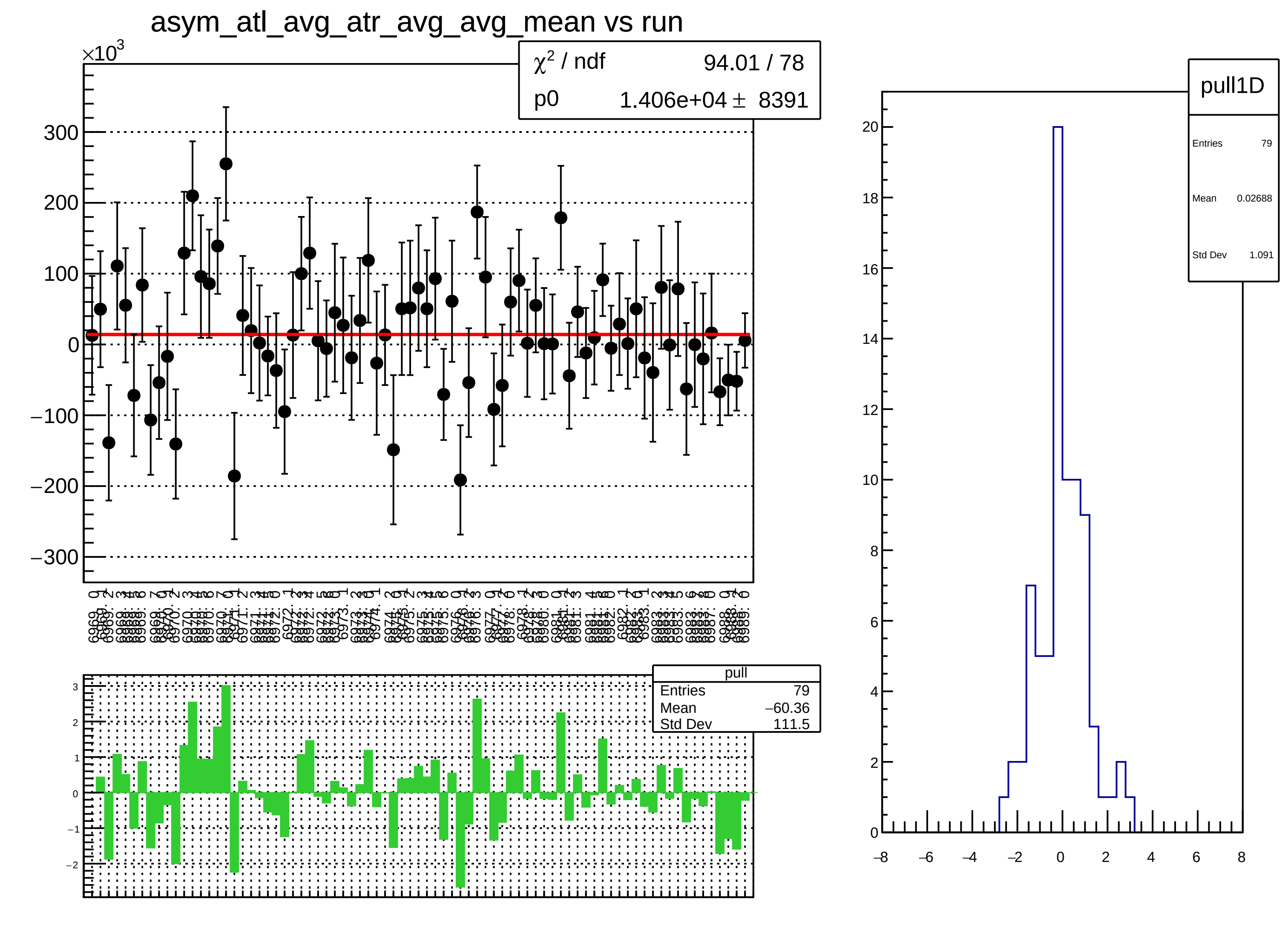
dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.514e+04 / 78
p0 1380 ± 1.111
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

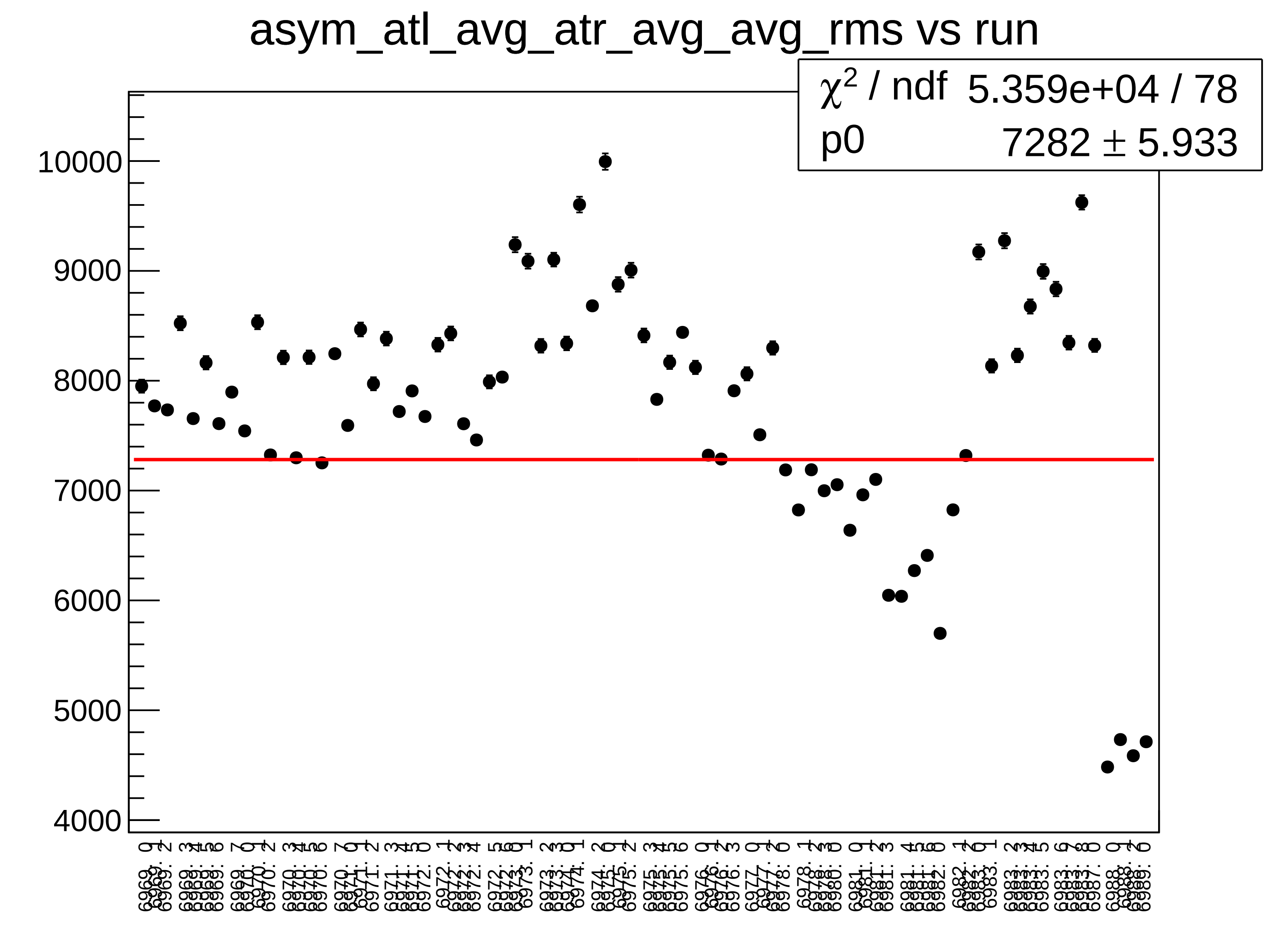
asym_atl_avg_atr_avg_avg_correction_mean vs run

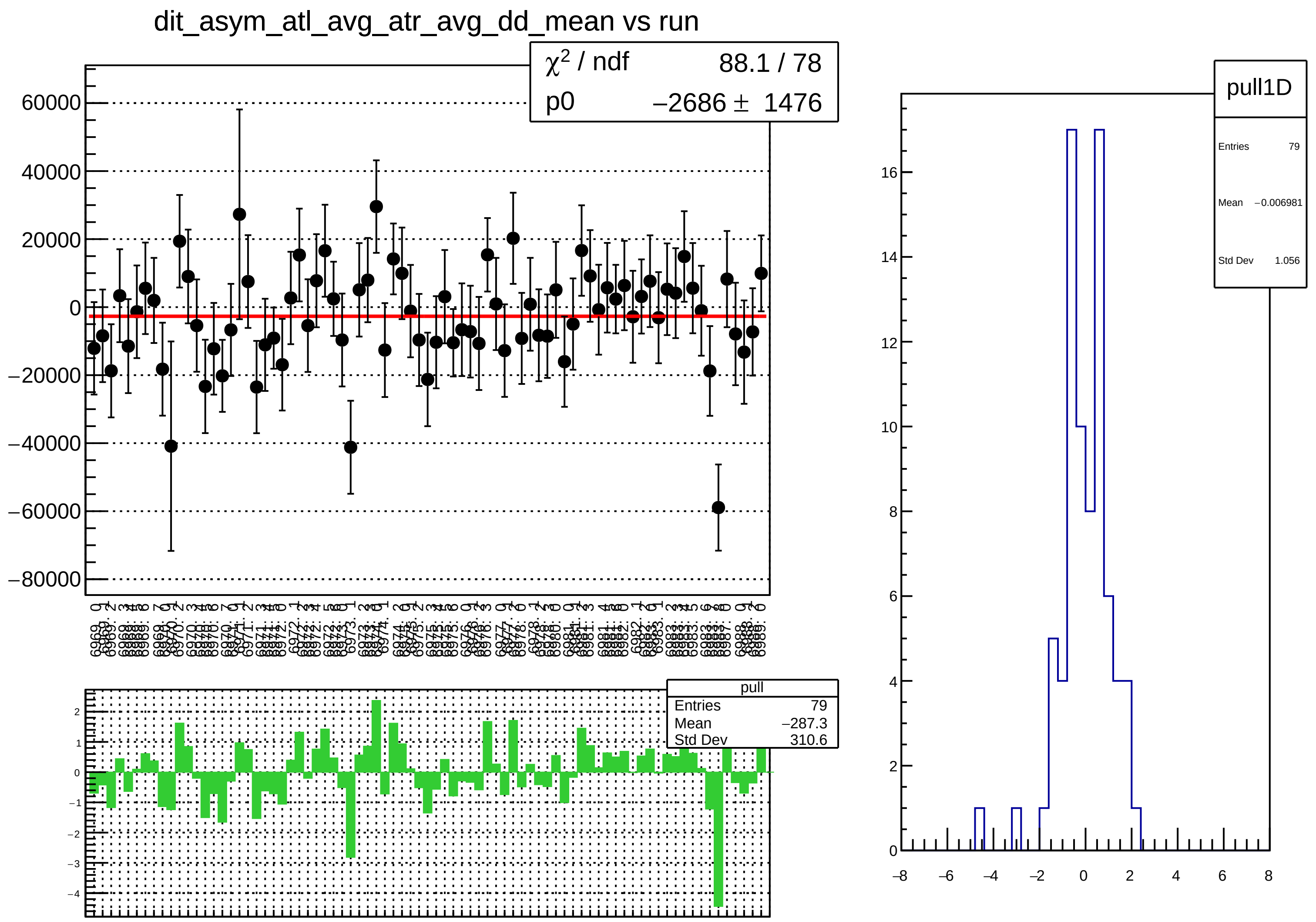




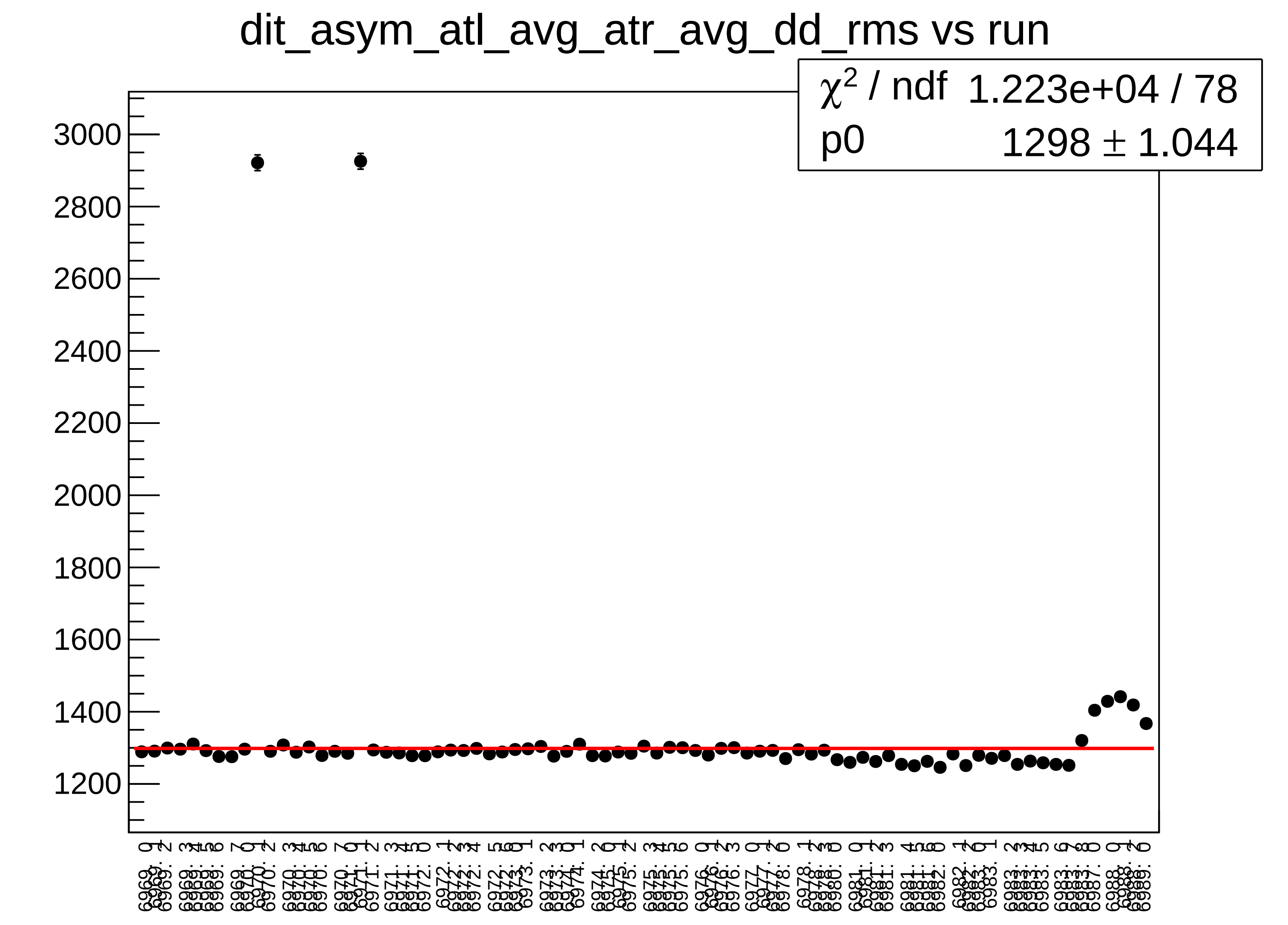

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 5.058e+04 / 78
p0 7207 ± 5.866
10000
9000
8000
7000
6000
5000
4000


asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 94.01 / 78
p0 1.406e+04 ± 8391
×10³
pull
Entries 79
Mean −60.36
Std Dev 111.5
pull1D
Entries 79
Mean 0.02688
Std Dev 1.091

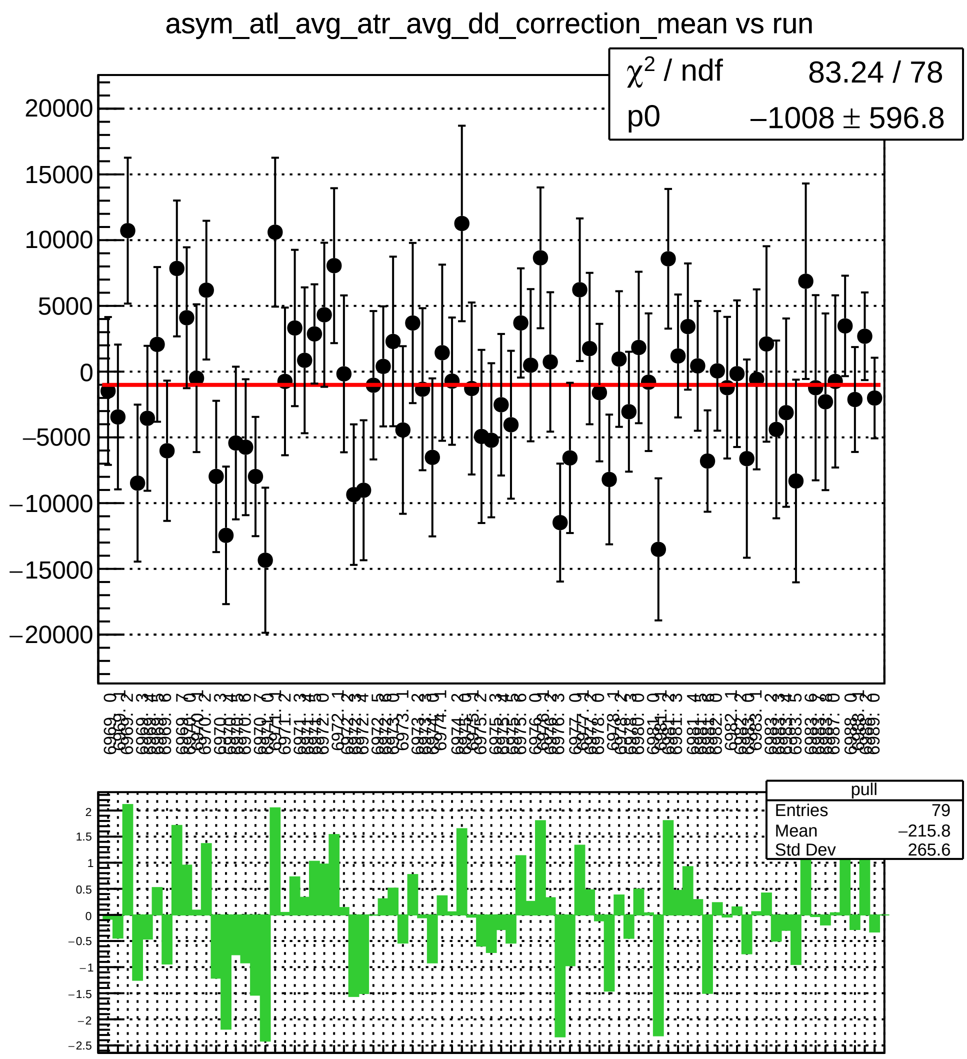

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 5.359e+04 / 78
p0 7282 ± 5.933
10000
9000
8000
7000
6000
5000
4000

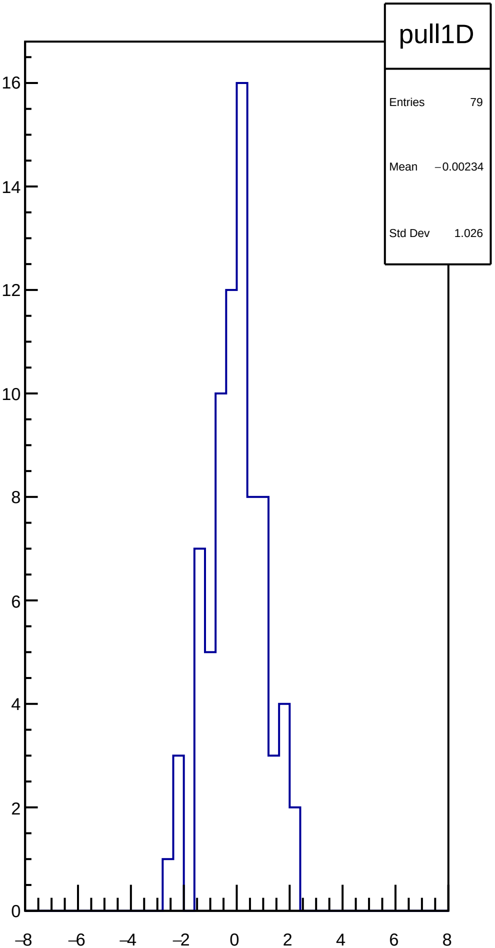


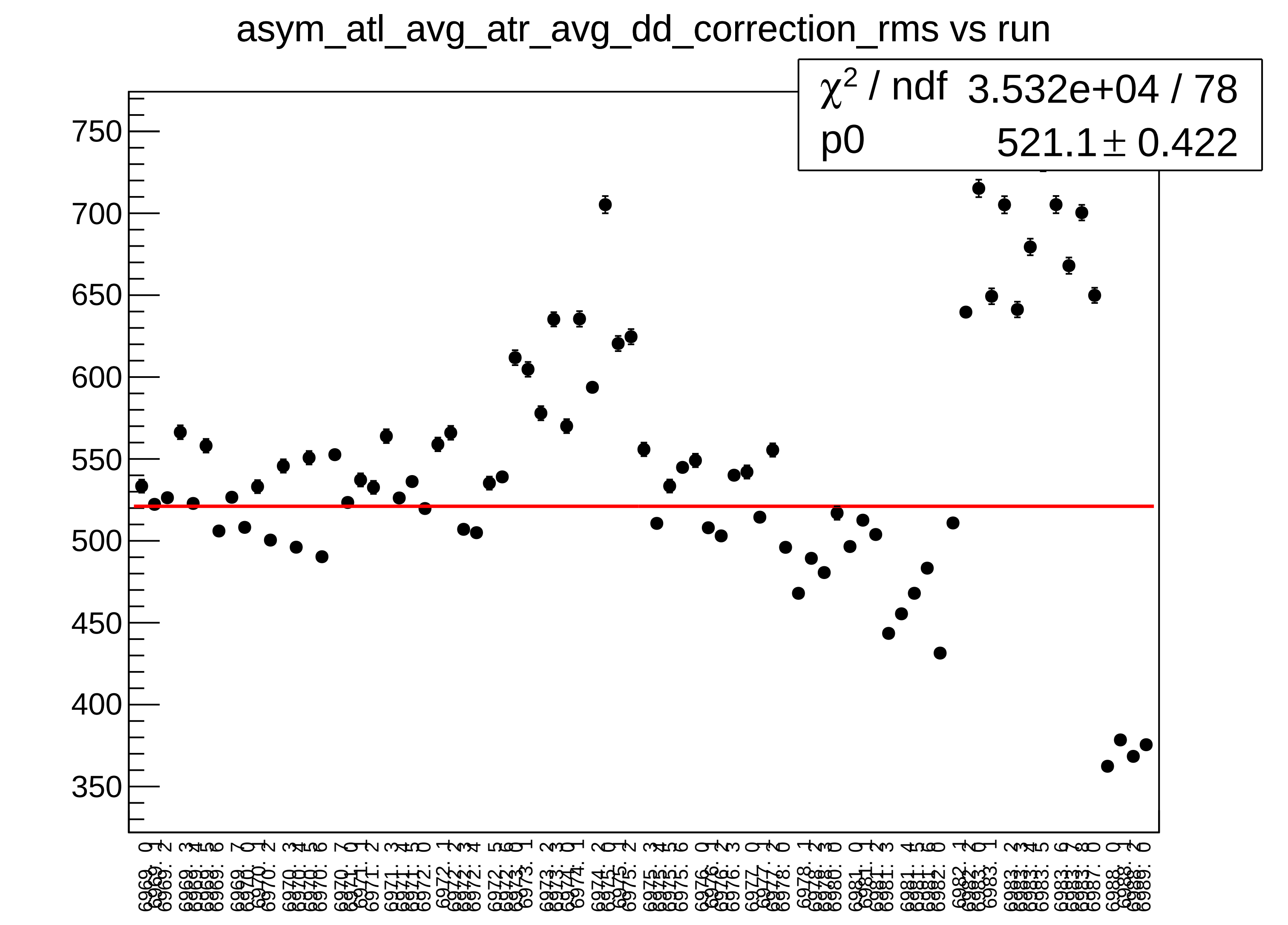
dit_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 88.1 / 78
p0 −2686 ± 1476
pull
Entries 79
Mean −287.3
Std Dev 310.6
pull1D
Entries 79
Mean −0.006981
Std Dev 1.056

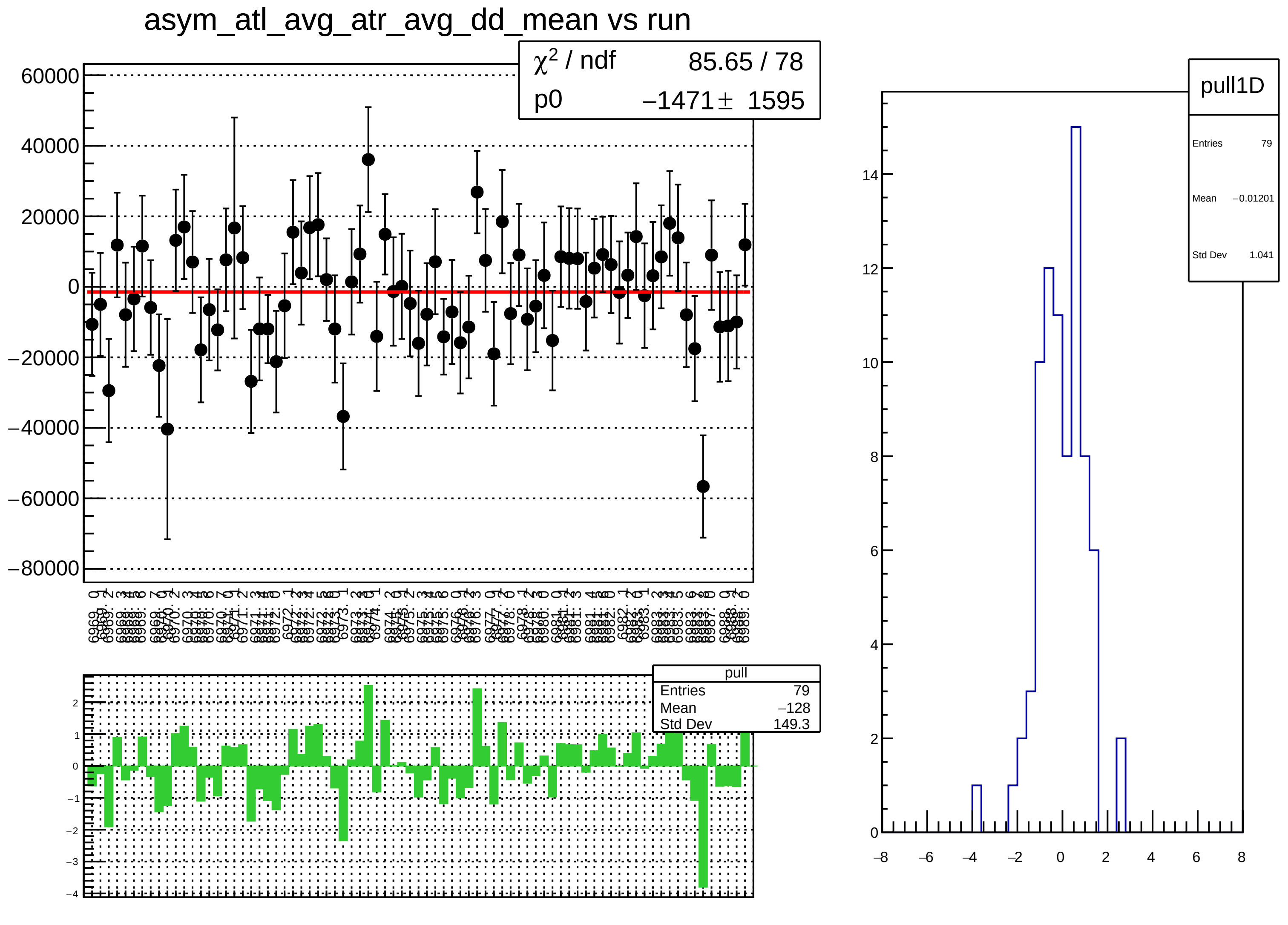


dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.223e+04 / 78
p0 1298 ± 1.044
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

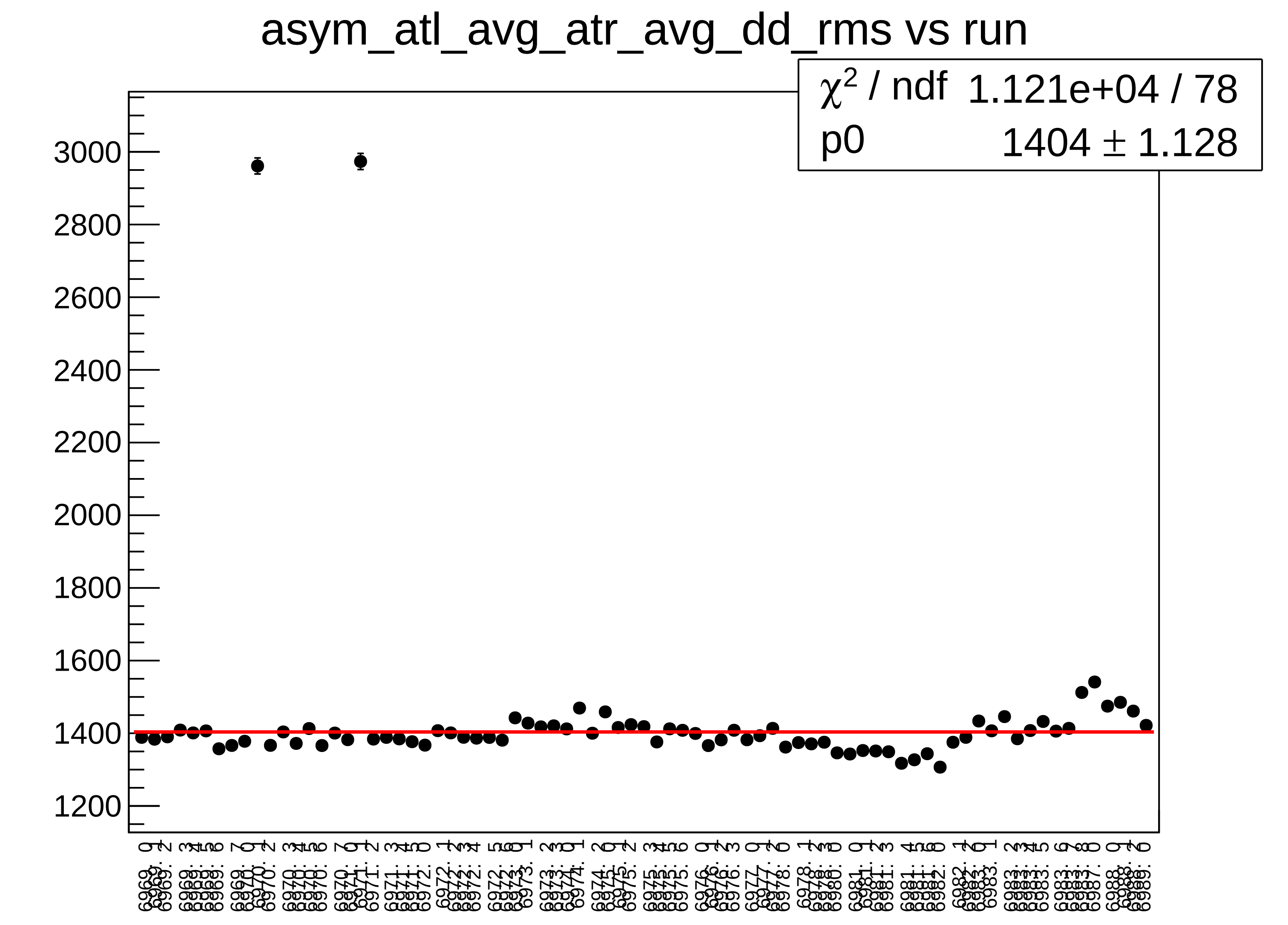

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ^2 / ndf 83.24 / 78
p0 −1008 ± 596.8
pull
Entries 79
Mean −215.8
Std Dev 265.6

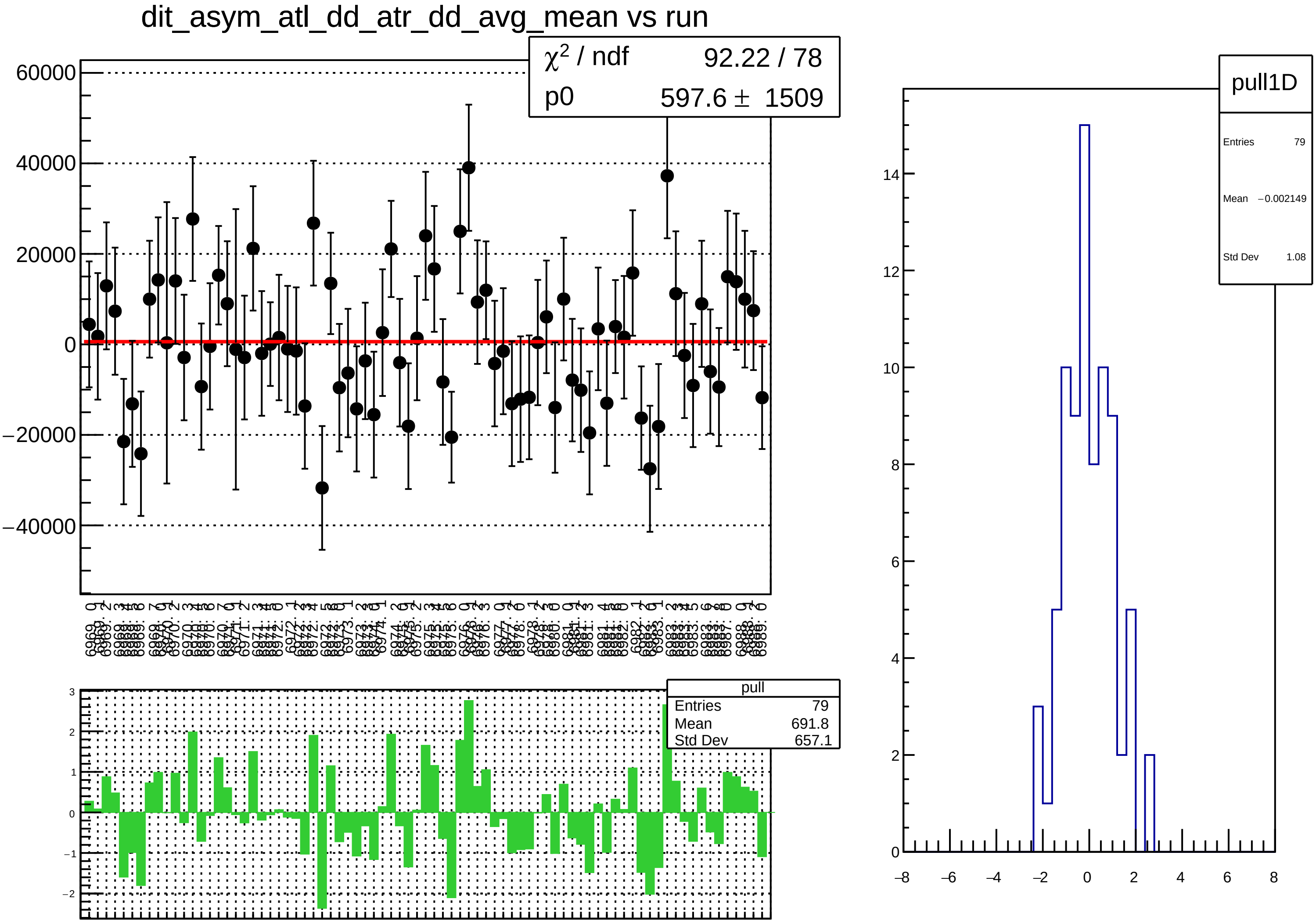

pull1D
Entries 79
Mean −0.00234
Std Dev 1.026


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 3.532e+04 / 78
p0 521.1 ± 0.422
750
700
650
600
550
500
450
400
350

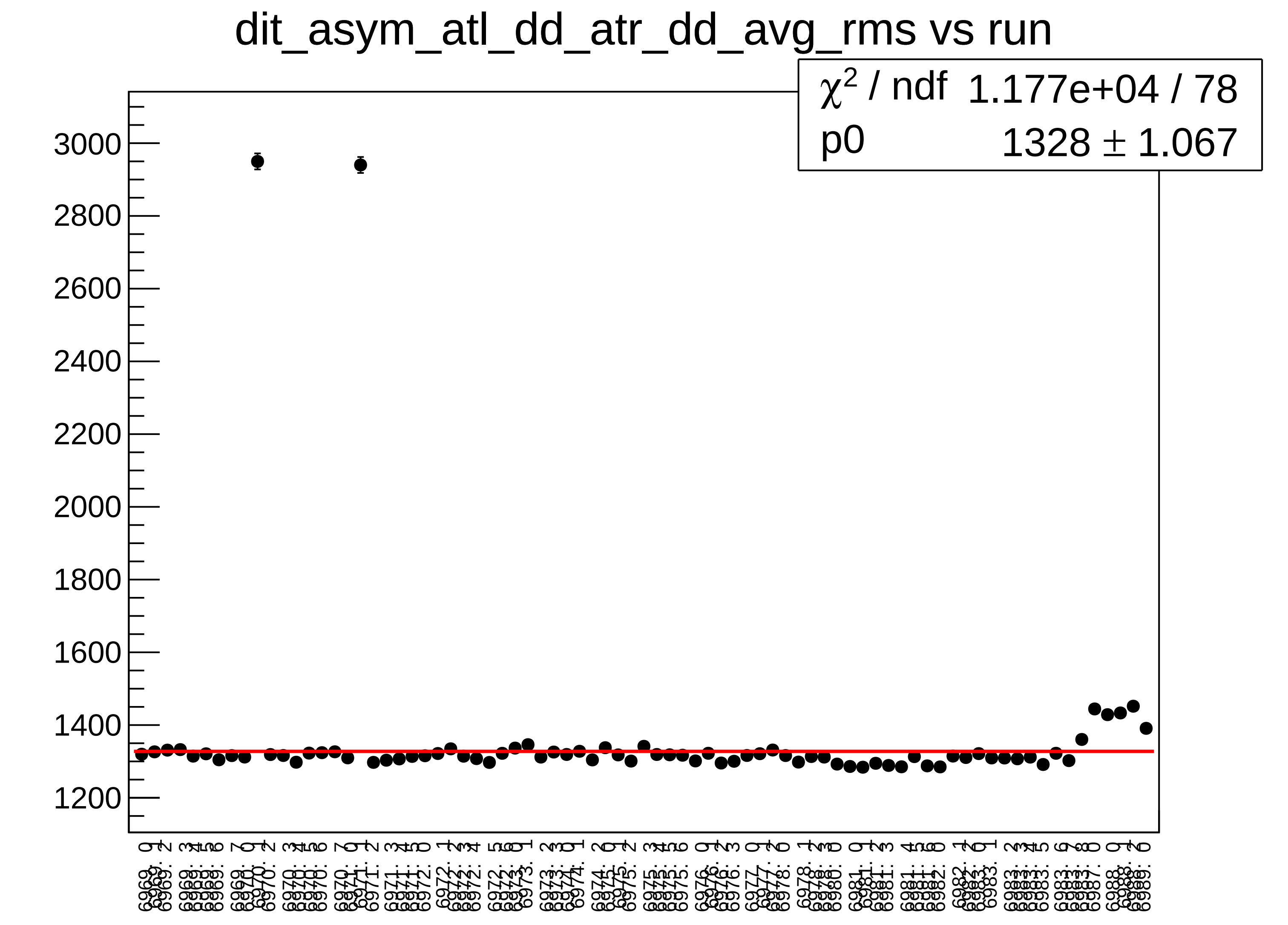


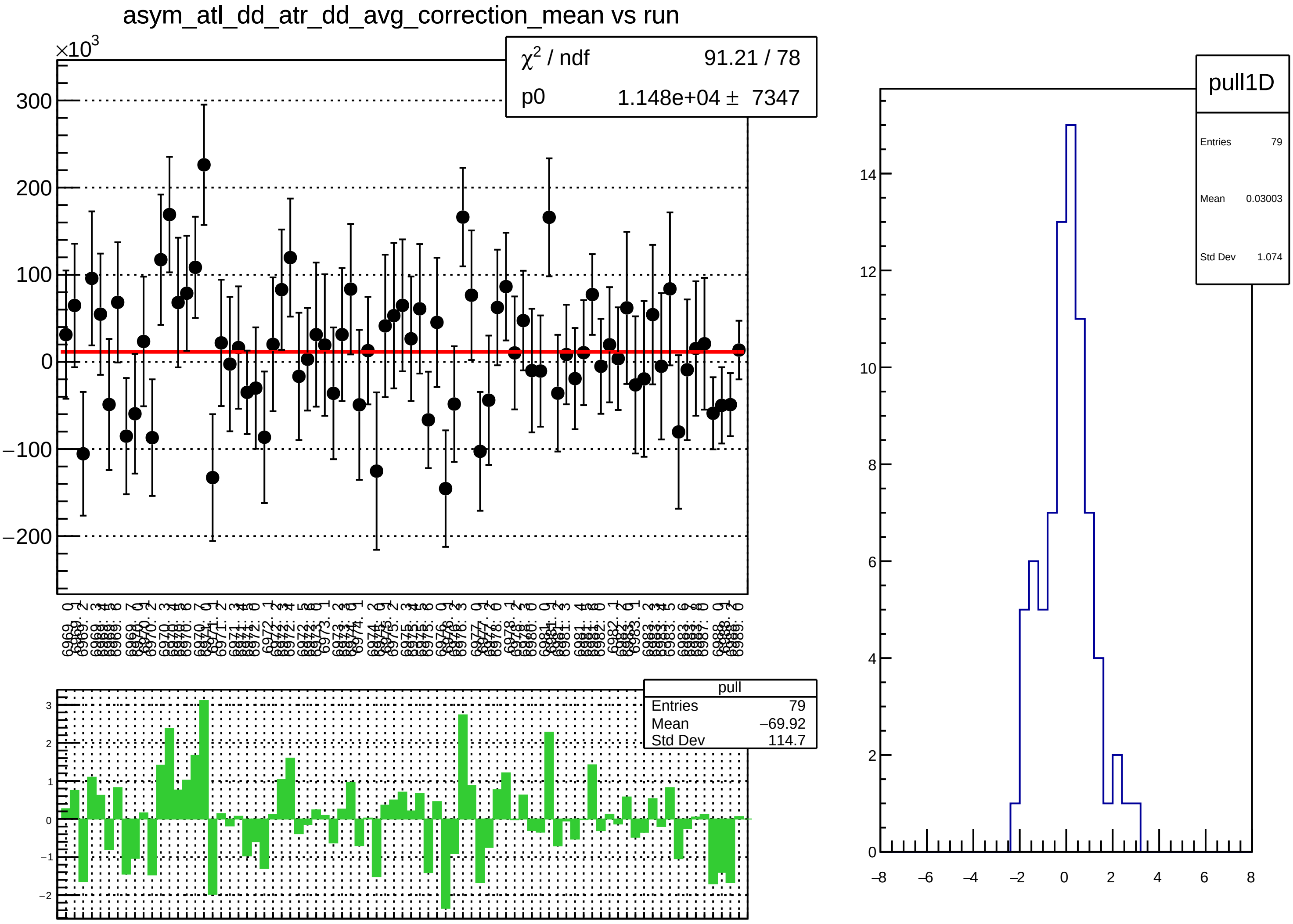
asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 85.65 / 78
p0 −1471 ± 1595
pull
Entries 79
Mean −128
Std Dev 149.3
pull1D
Entries 79
Mean −0.01201
Std Dev 1.041


asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 1.121e+04 / 78
p0 1404 ± 1.128
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

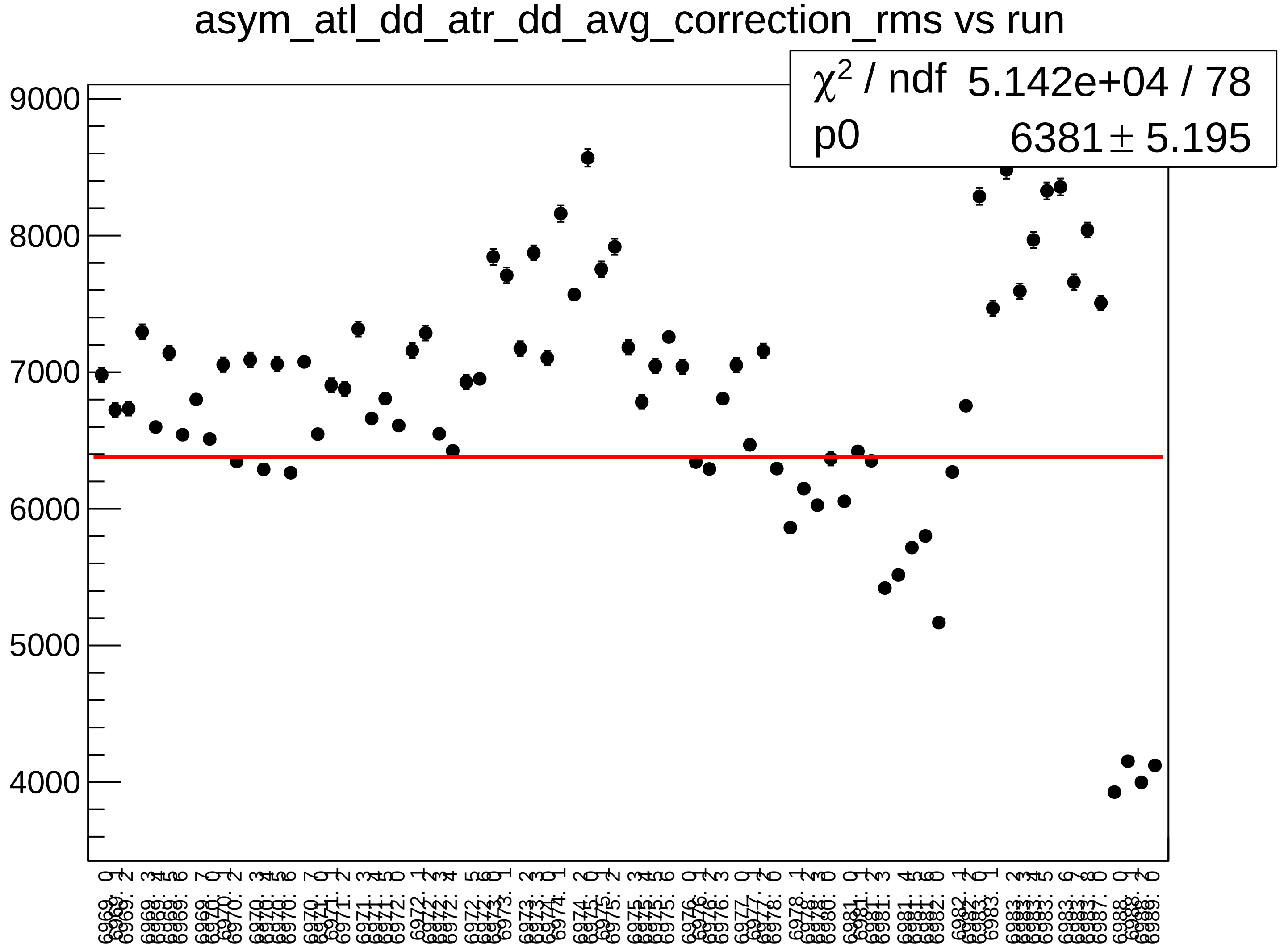


dit_asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 92.22 / 78
p0 597.6 ± 1509
pull
Entries 79
Mean 691.8
Std Dev 657.1
pull1D
Entries 79
Mean −0.002149
Std Dev 1.08

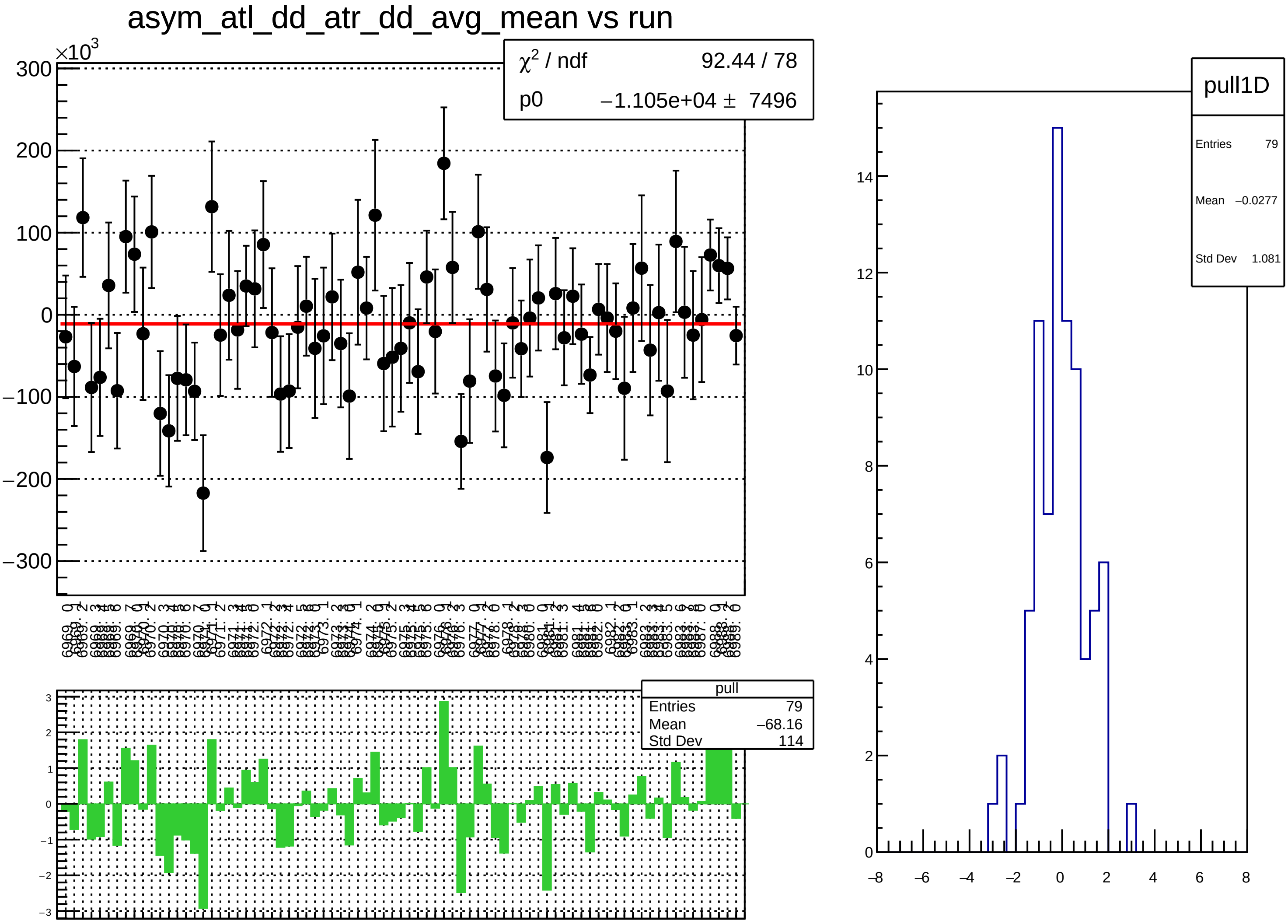

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 1.177e+04 / 78
p0 1328 ± 1.067
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

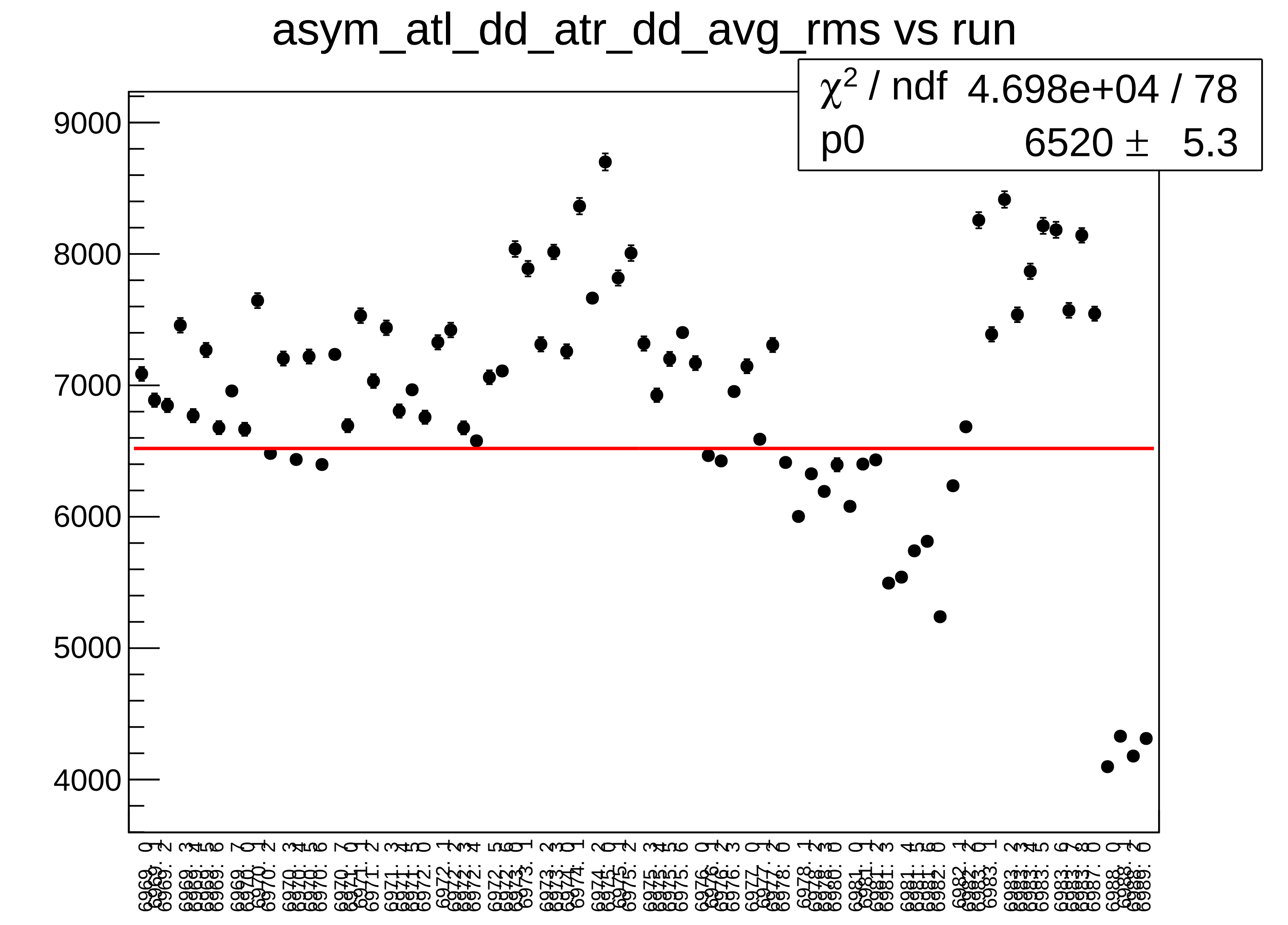


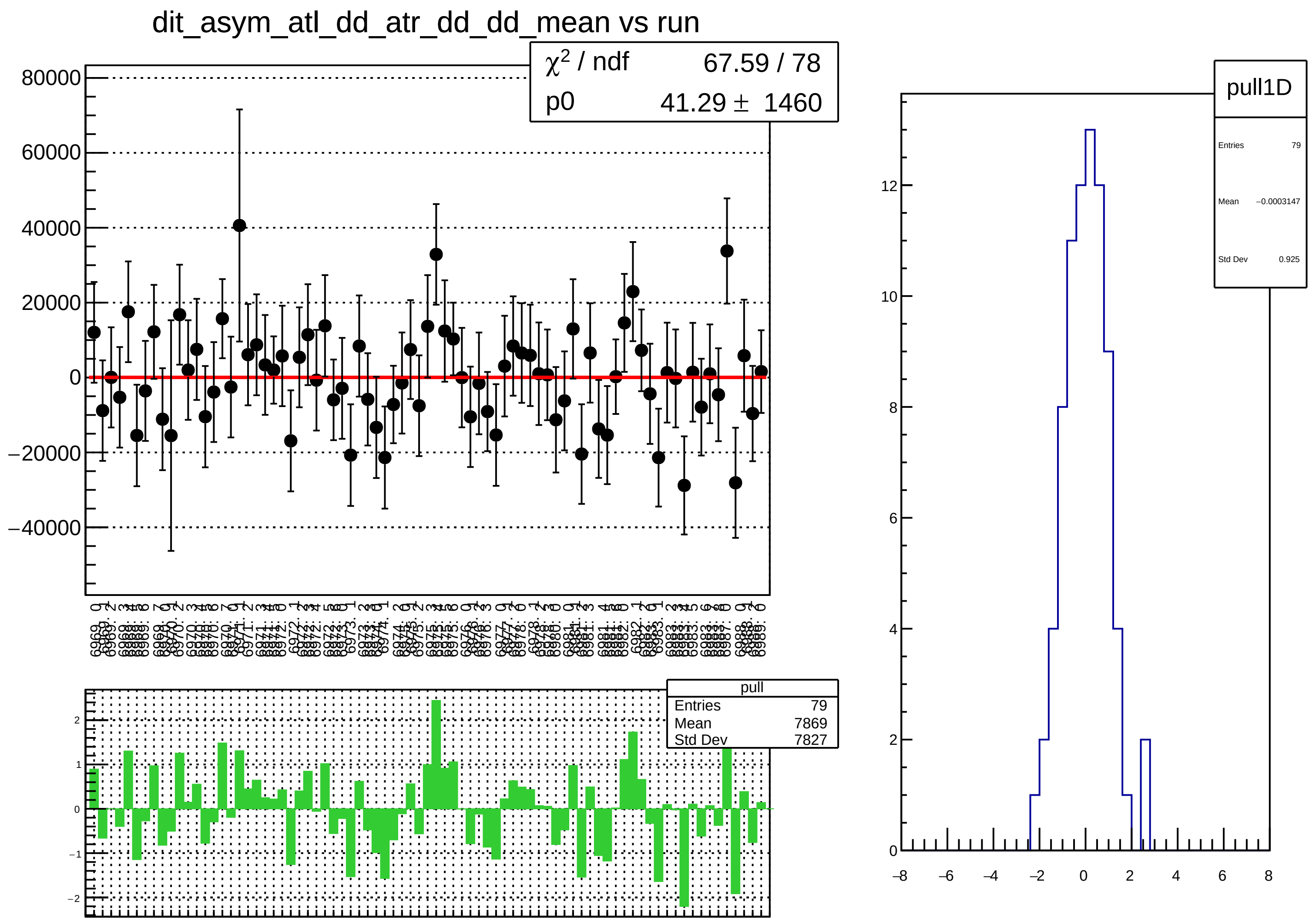
asym_atl_dd_atr_dd_avg_correction_mean vs run
$\times 10^3$
χ^2 / ndf 91.21 / 78
p0 1.148e+04 ± 7347
pull
Entries 79
Mean −69.92
Std Dev 114.7
pull1D
Entries 79
Mean 0.03003
Std Dev 1.074



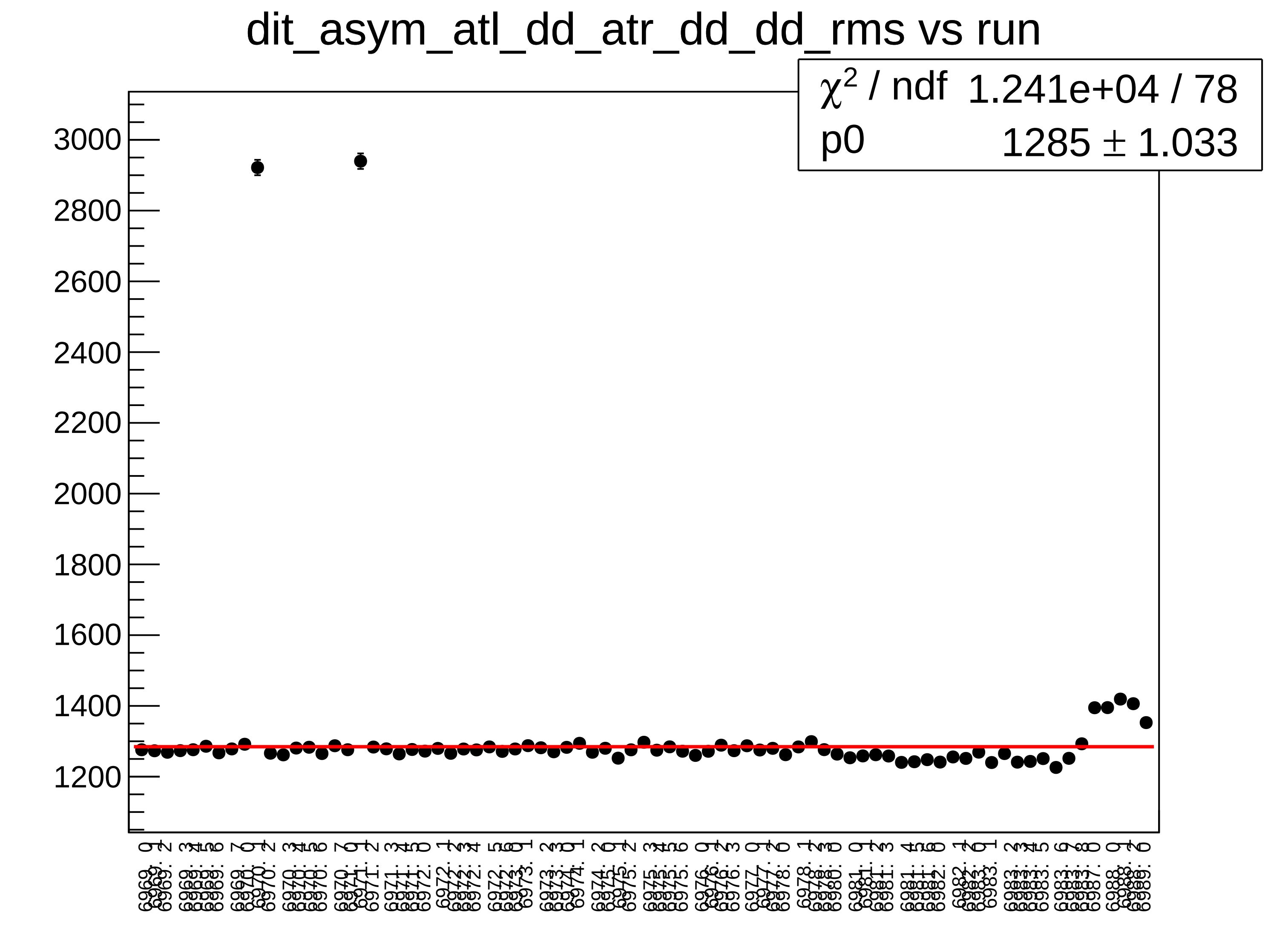
asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 5.142e+04 / 78
p0 6381 ± 5.195
9000
8000
7000
6000
5000
4000

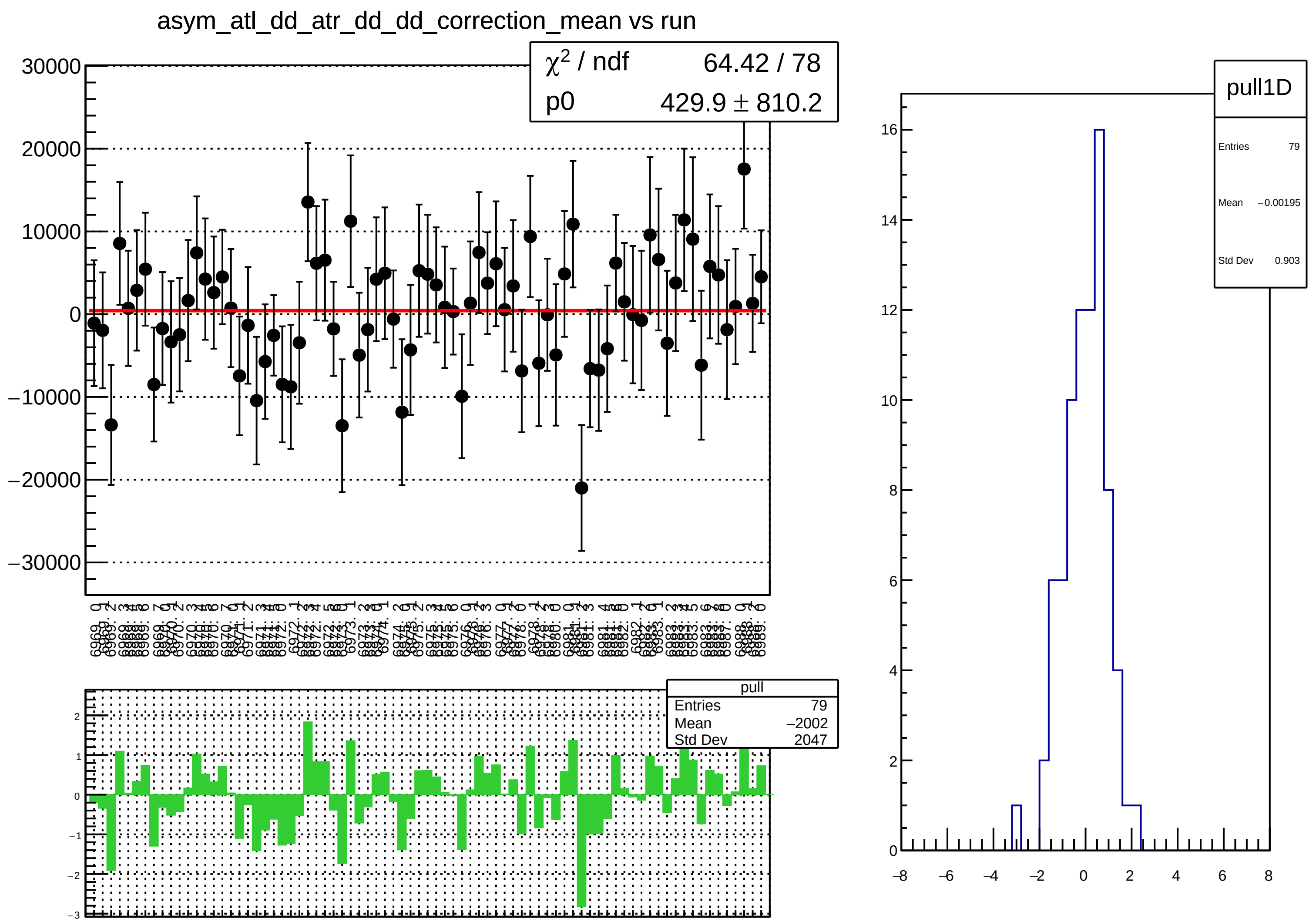

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ2 / ndf 92.44 / 78
p0 −1.105e+04 ± 7496
300
200
100
0
−100
−200
−300
pull
Entries 79
Mean −68.16
Std Dev 114
pull1D
Entries 79
Mean −0.0277
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 4.698e+04 / 78
p0 6520 ± 5.3
9000
8000
7000
6000
5000
4000

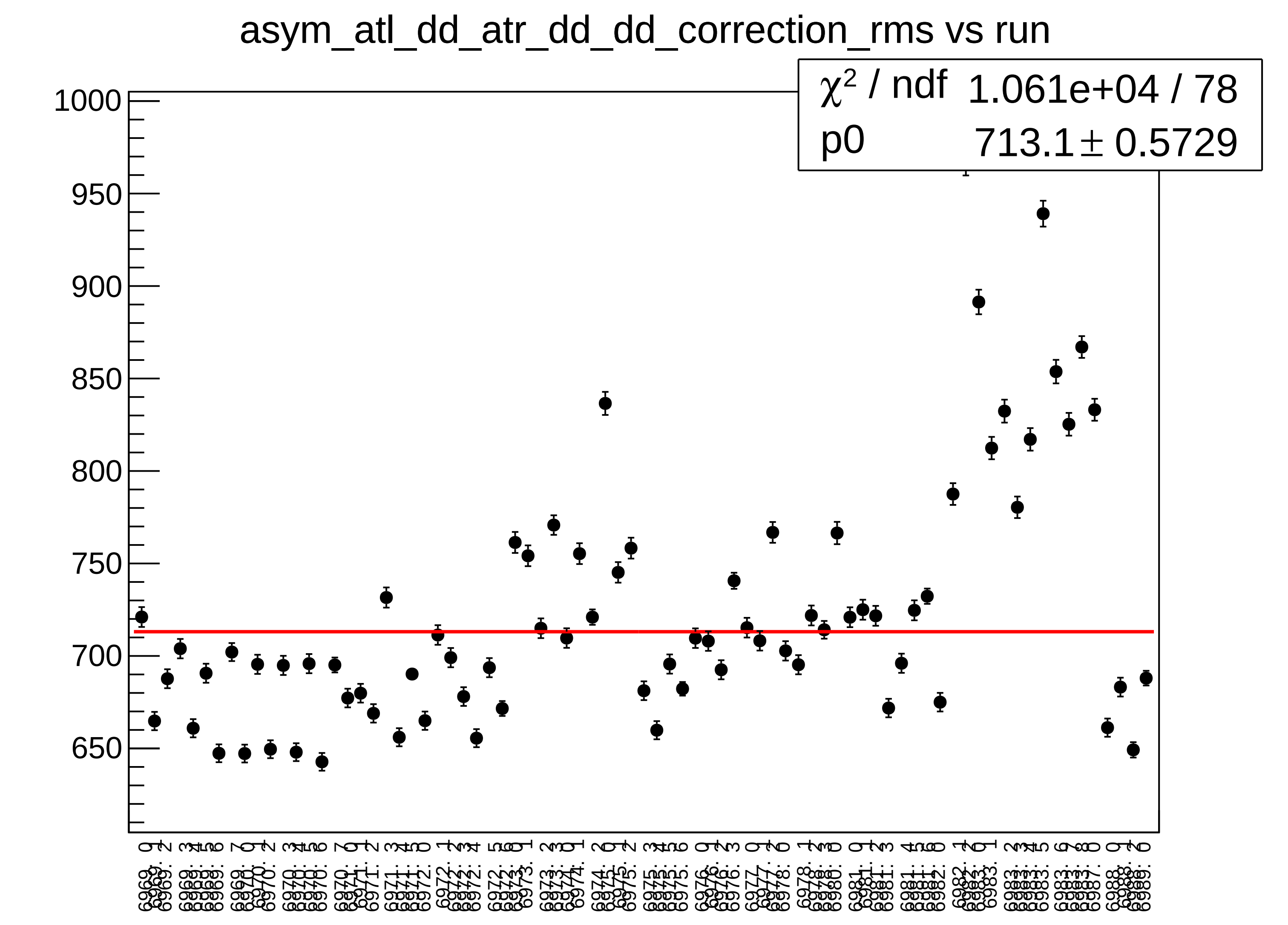


dit_asym_atl_dd_atr_dd_dd_mean vs run
χ2 / ndf 67.59 / 78
p0 41.29 ± 1460
pull
Entries 79
Mean 7869
Std Dev 7827
pull1D
Entries 79
Mean −0.0003147
Std Dev 0.925

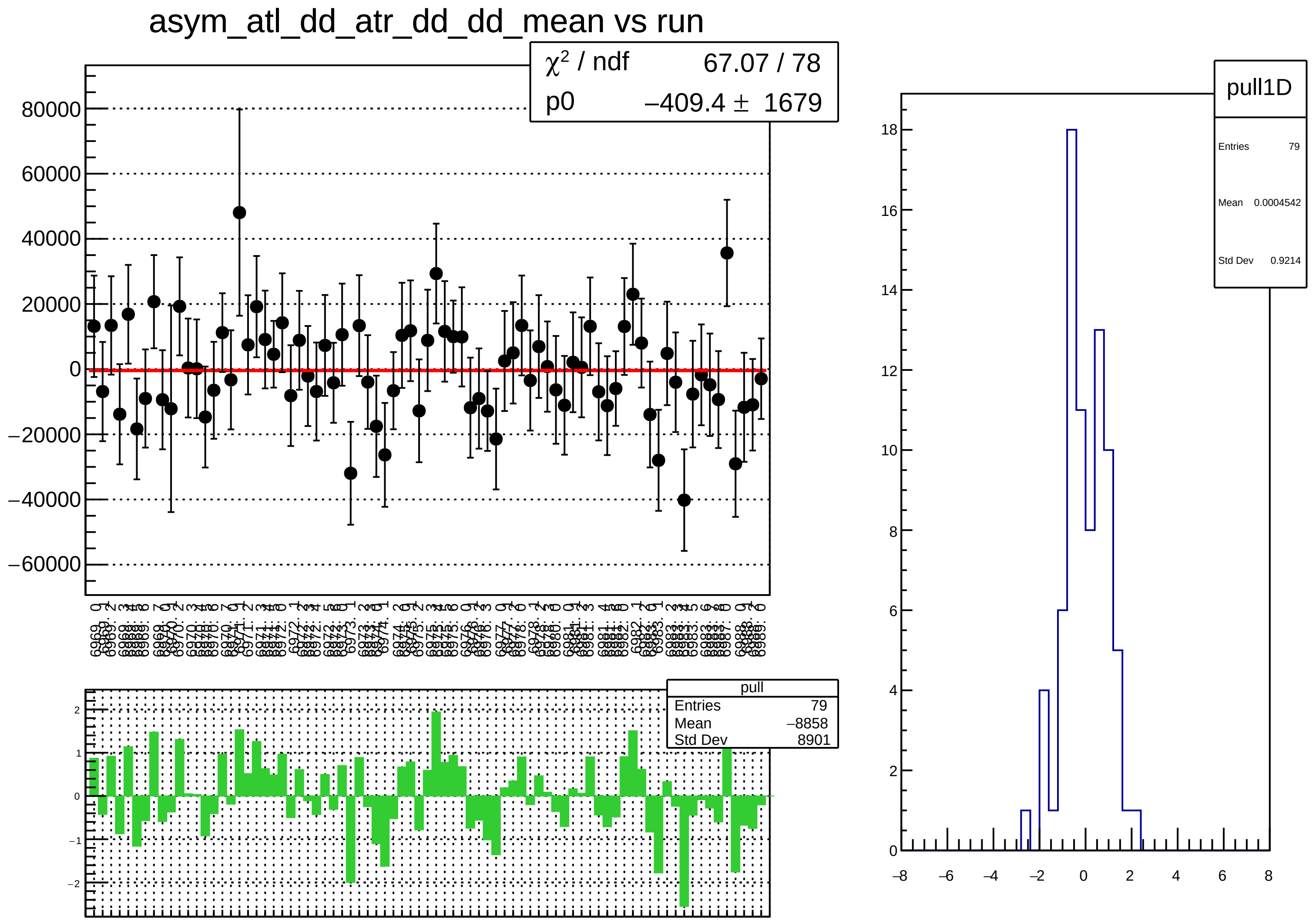

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 1.241e+04 / 78
p0 1285 ± 1.033
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200



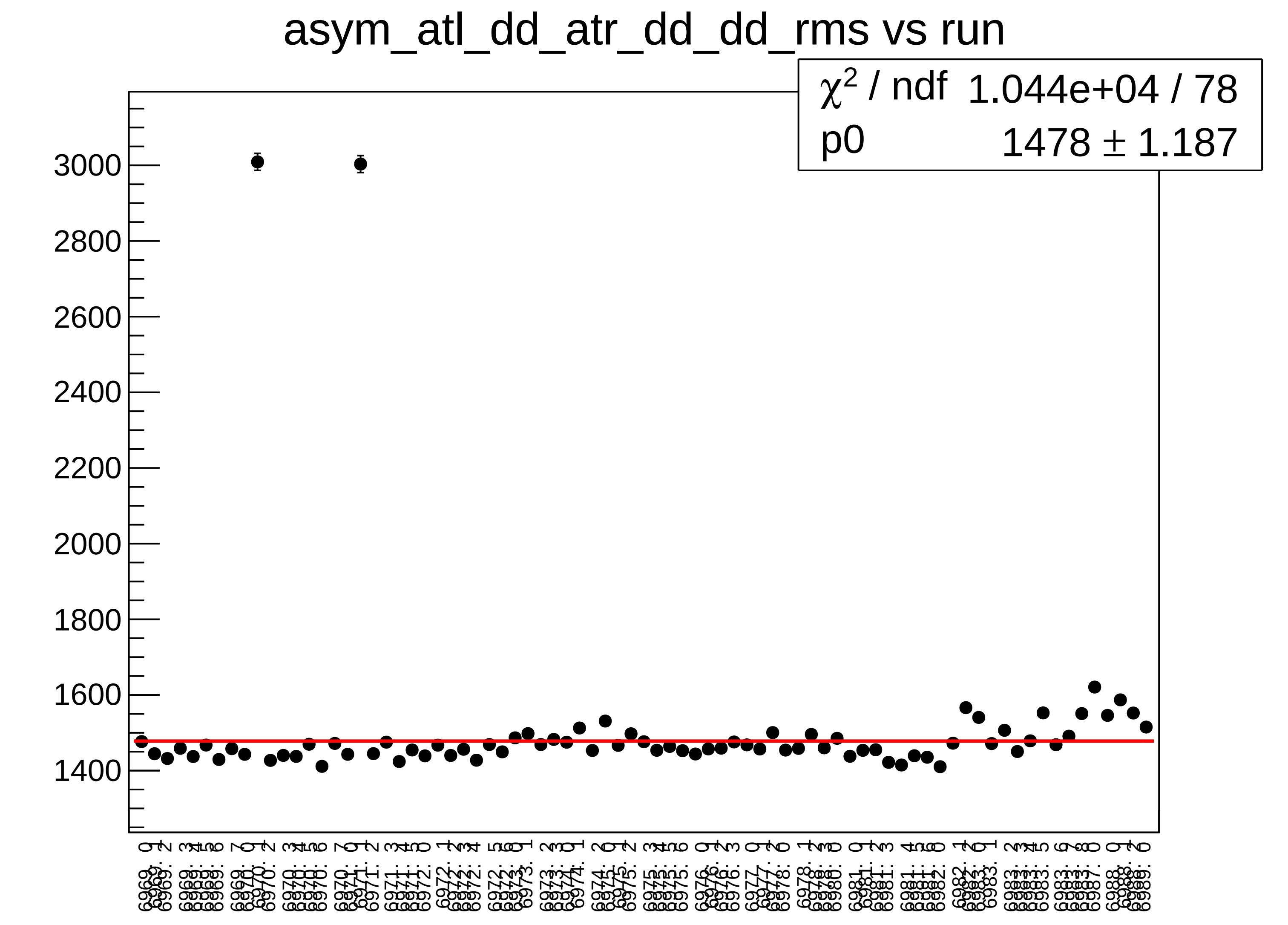
asym_atl_dd_atr_dd_dd_correction_mean vs run
χ^2 / ndf 64.42 / 78
p0 429.9 ± 810.2
pull
Entries 79
Mean −2002
Std Dev 2047
pull1D
Entries 79
Mean −0.00195
Std Dev 0.903



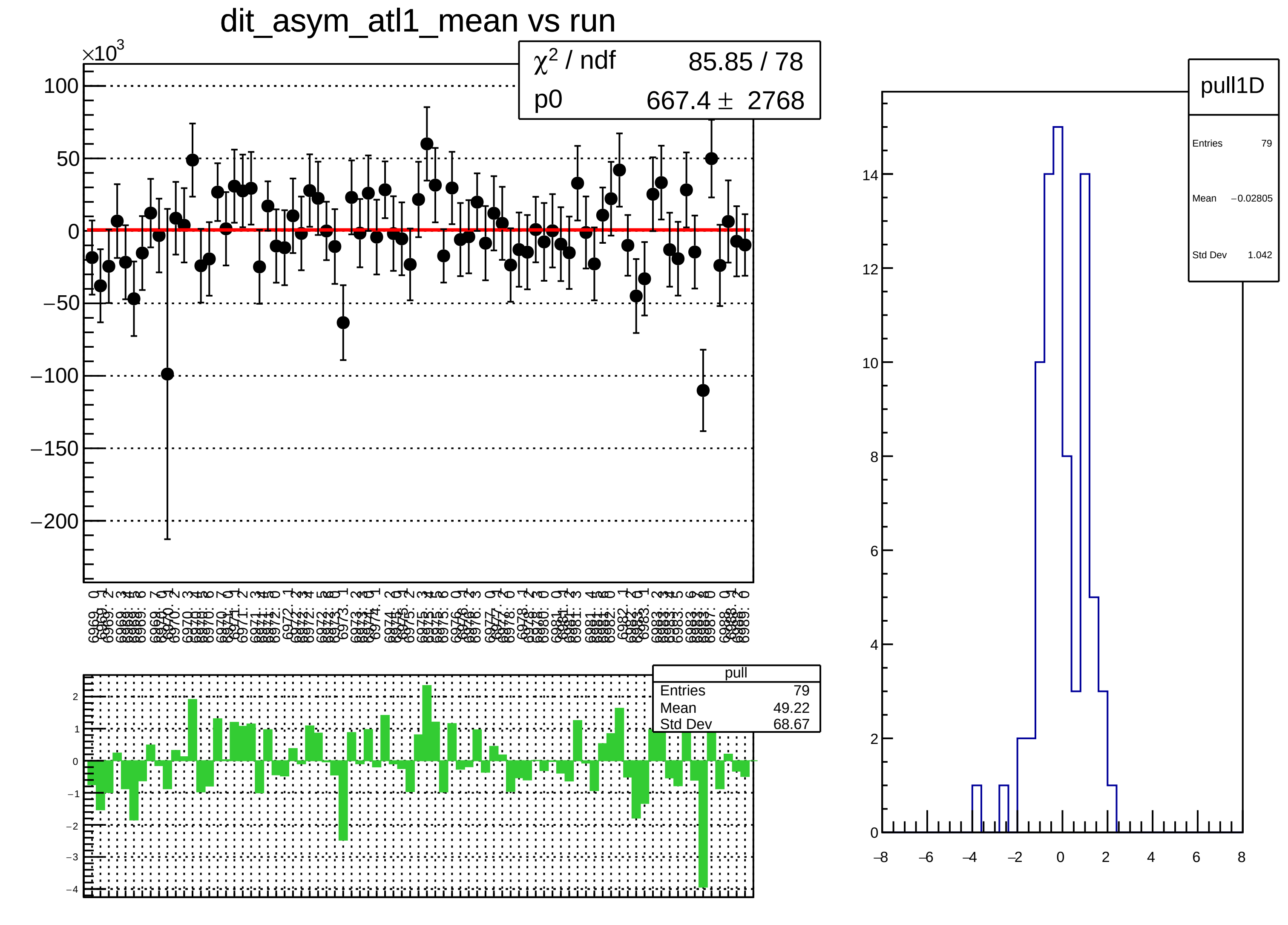
asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.061e+04 / 78
p0 713.1 ± 0.5729
1000
950
900
850
800
750
700
650



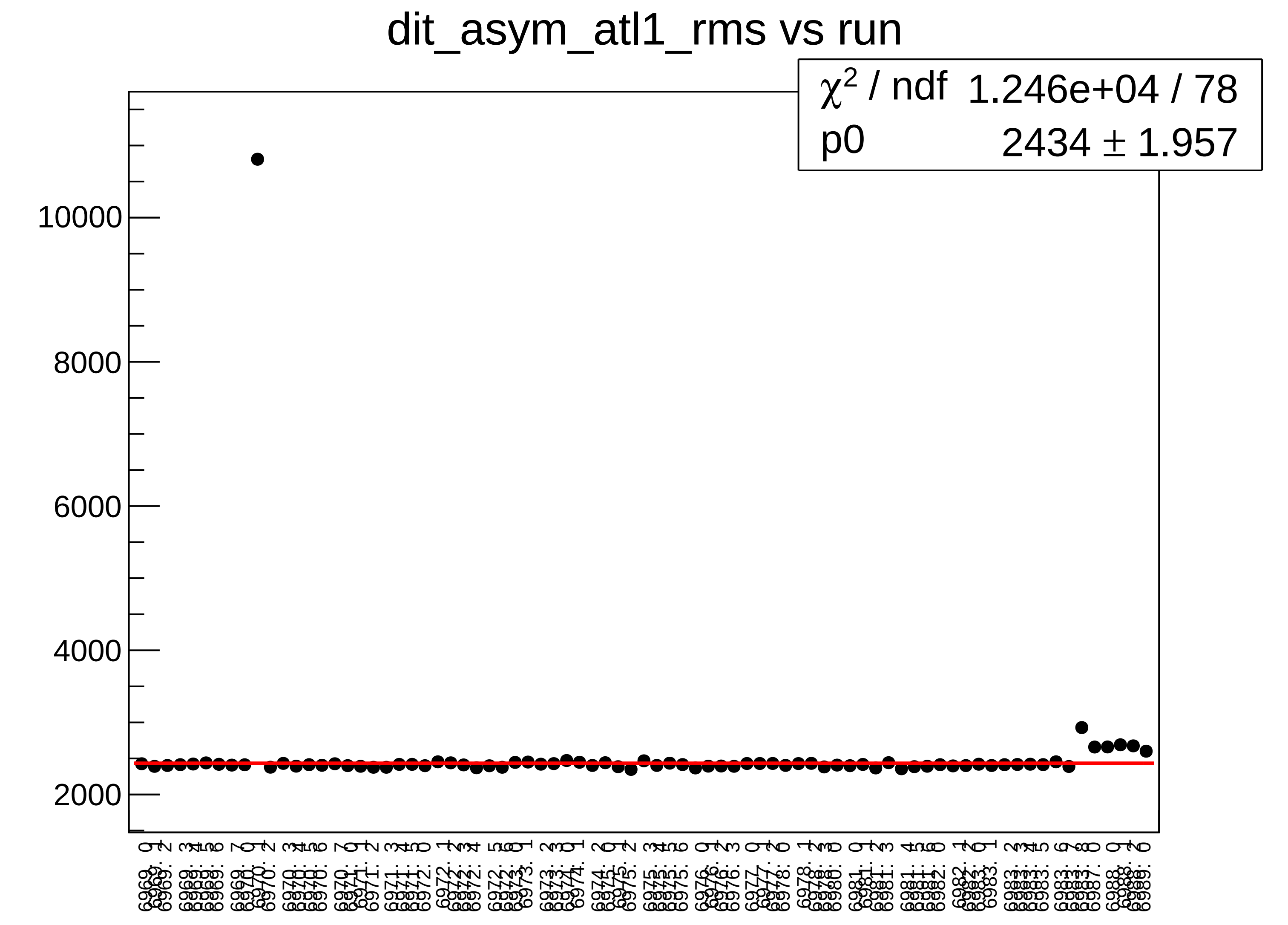
asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 67.07 / 78
p0 −409.4 ± 1679
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 79
Mean −8858
Std Dev 8901
pull1D
Entries 79
Mean 0.0004542
Std Dev 0.9214



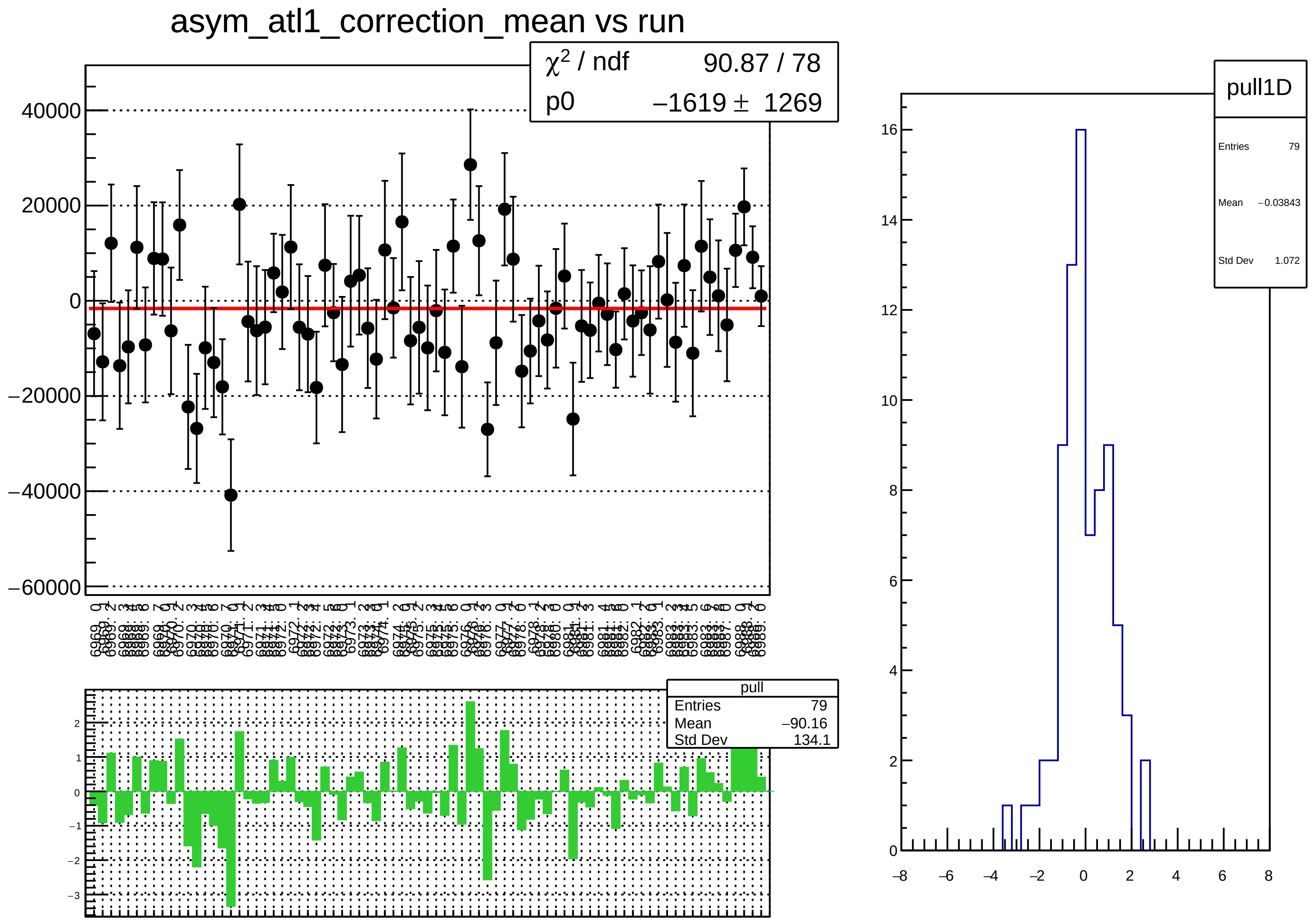
asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 1.044e+04 / 78
p0 1478 ± 1.187
3000
2800
2600
2400
2200
2000
1800
1600
1400



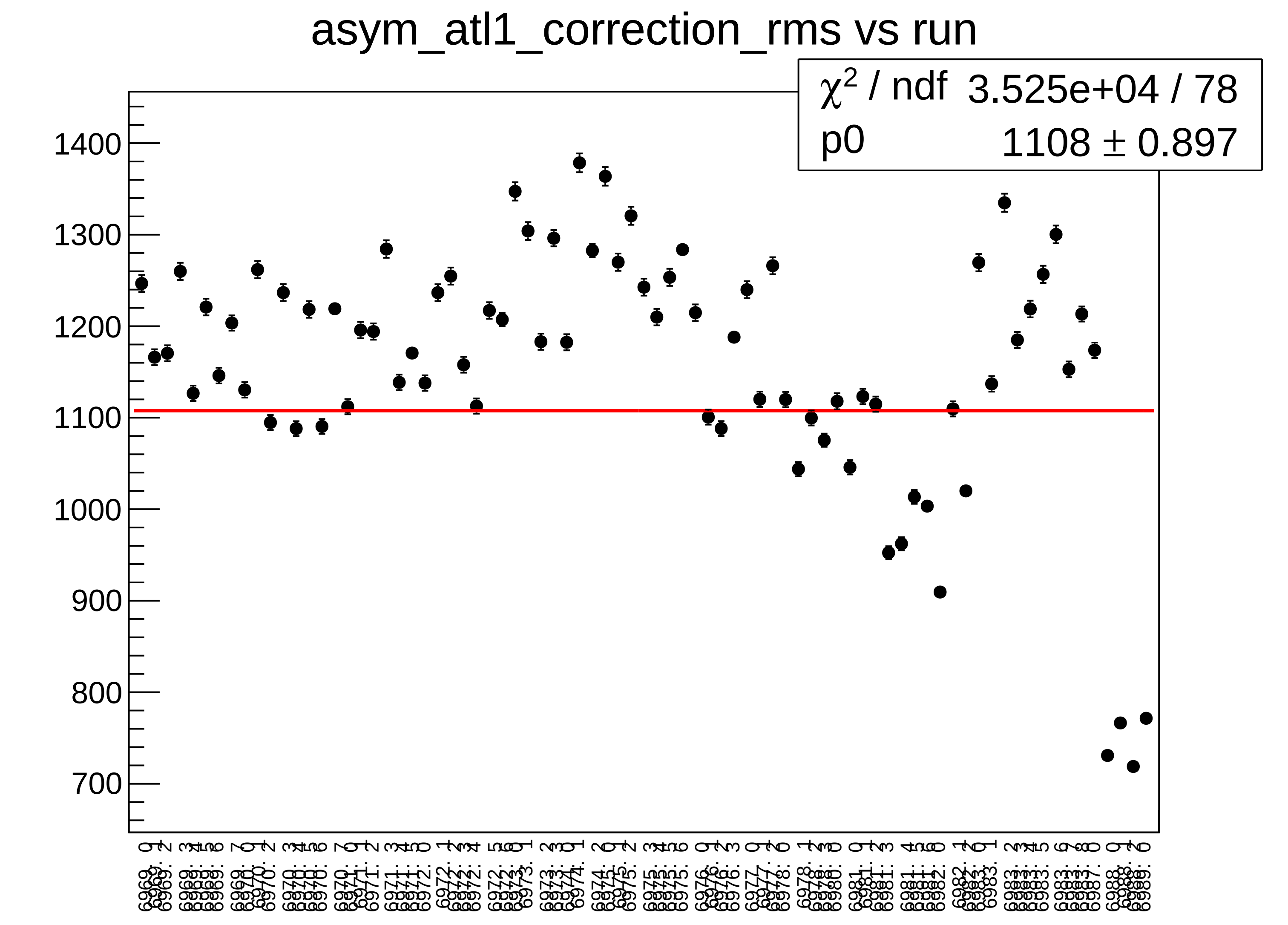
dit_asym_atl1_mean vs run
$\times10^3$
χ^2 / ndf 85.85 / 78
p0 667.4 ± 2768
pull
Entries 79
Mean 49.22
Std Dev 68.67
pull1D
Entries 79
Mean −0.02805
Std Dev 1.042

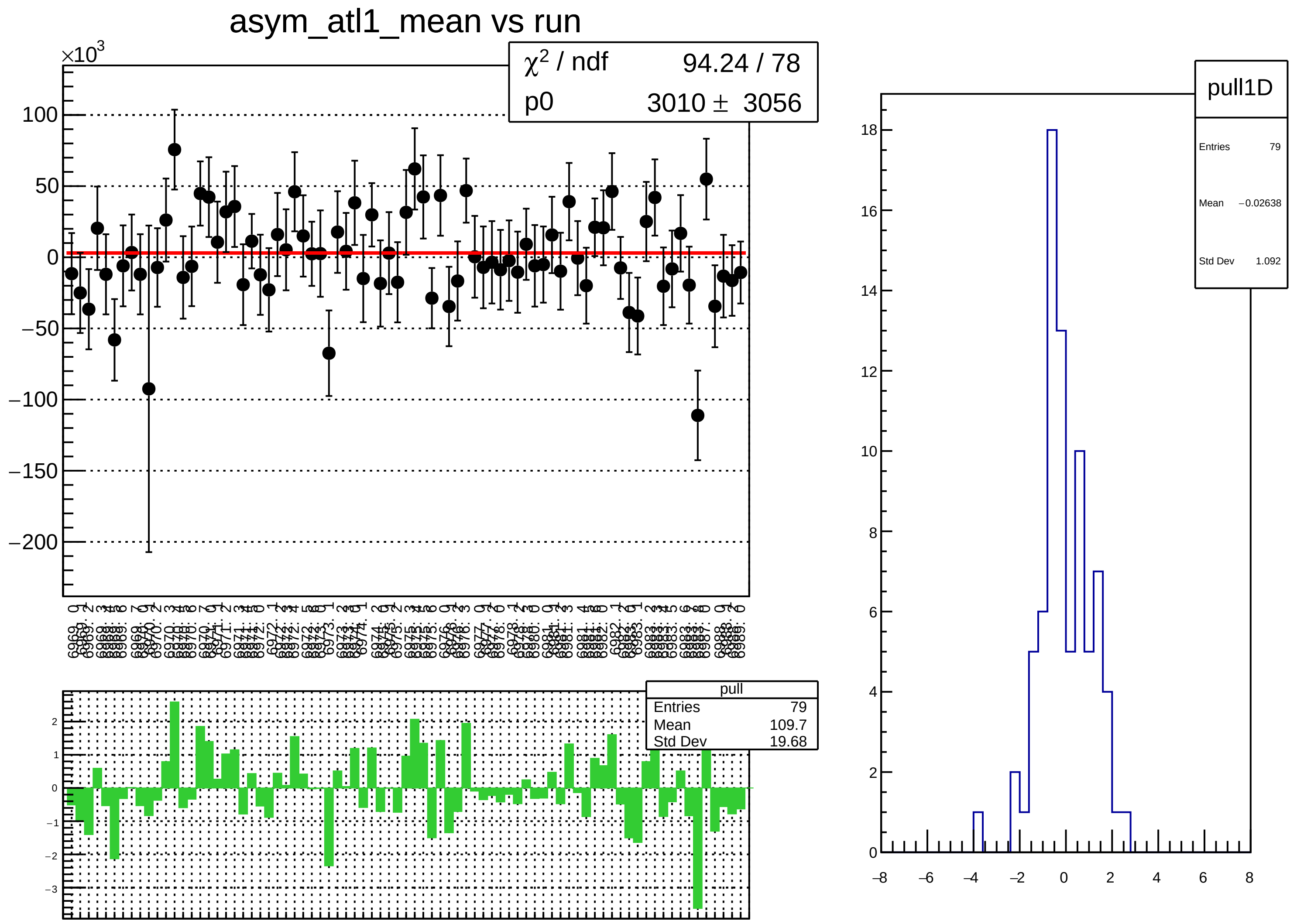


dit_asym_atl1_rms vs run
χ^2 / ndf 1.246e+04 / 78
p0 2434 ± 1.957
10000
8000
6000
4000
2000

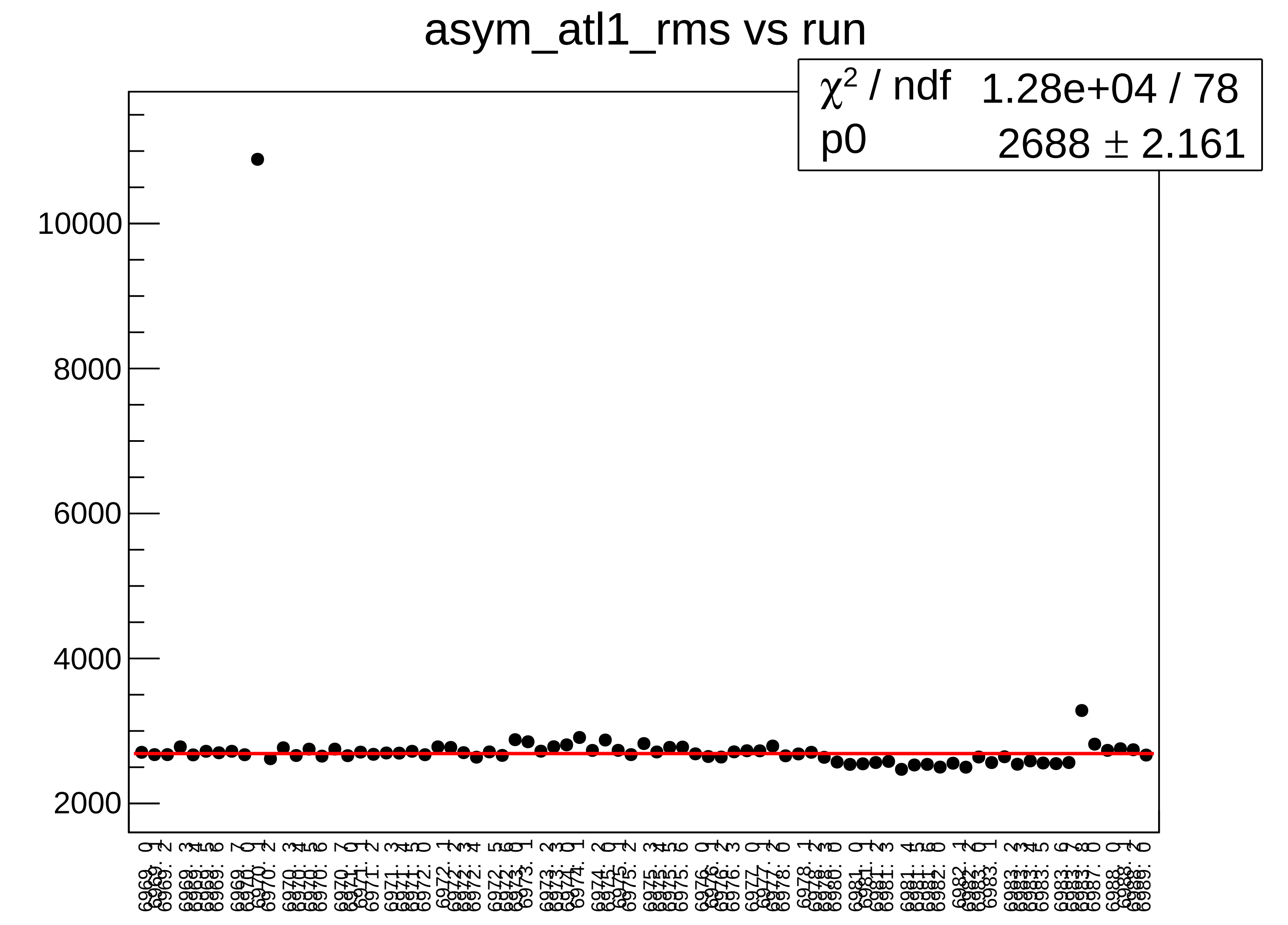


asym_atl1_correction_mean vs run
χ^2 / ndf 90.87 / 78
p0 −1619 ± 1269
pull
Entries 79
Mean −90.16
Std Dev 134.1
pull1D
Entries 79
Mean −0.03843
Std Dev 1.072

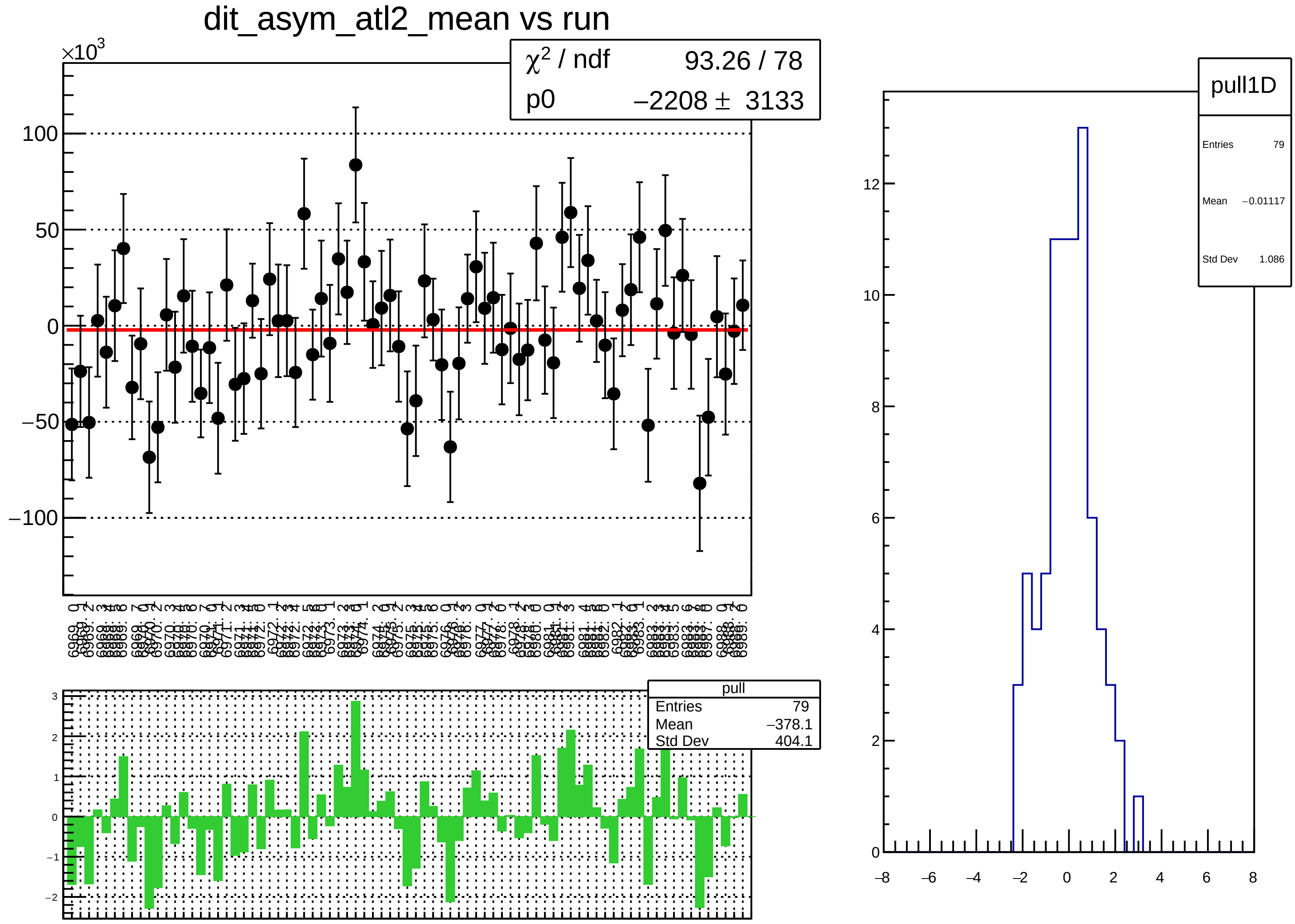

asym_atl1_correction_rms vs run
χ² / ndf 3.525e+04 / 78
p0 1108 ± 0.897



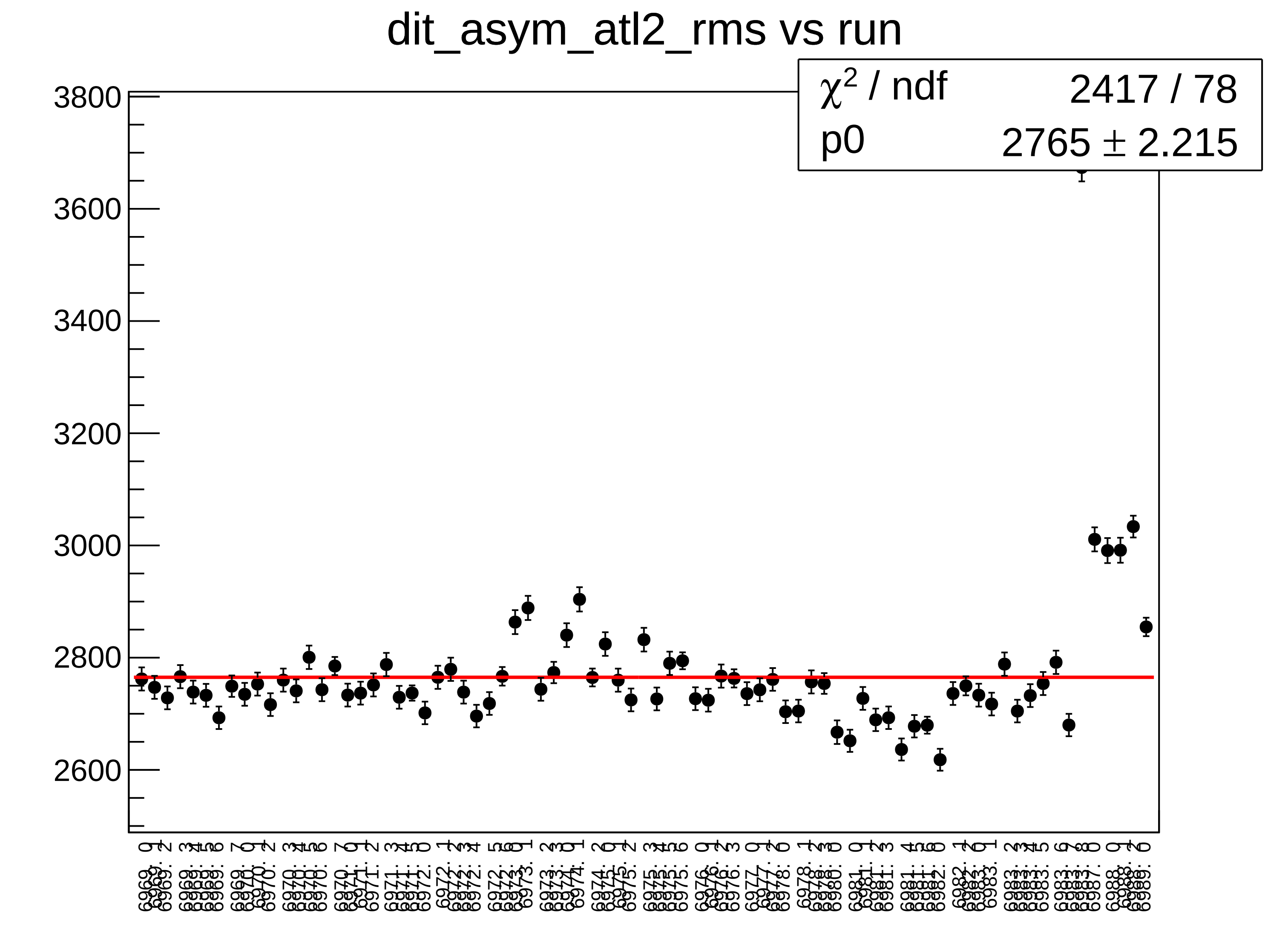
asym_atl1_mean vs run
$\times 10^3$
χ^2 / ndf 94.24 / 78
p0 3010 ± 3056
pull
Entries 79
Mean 109.7
Std Dev 19.68
pull1D
Entries 79
Mean −0.02638
Std Dev 1.092



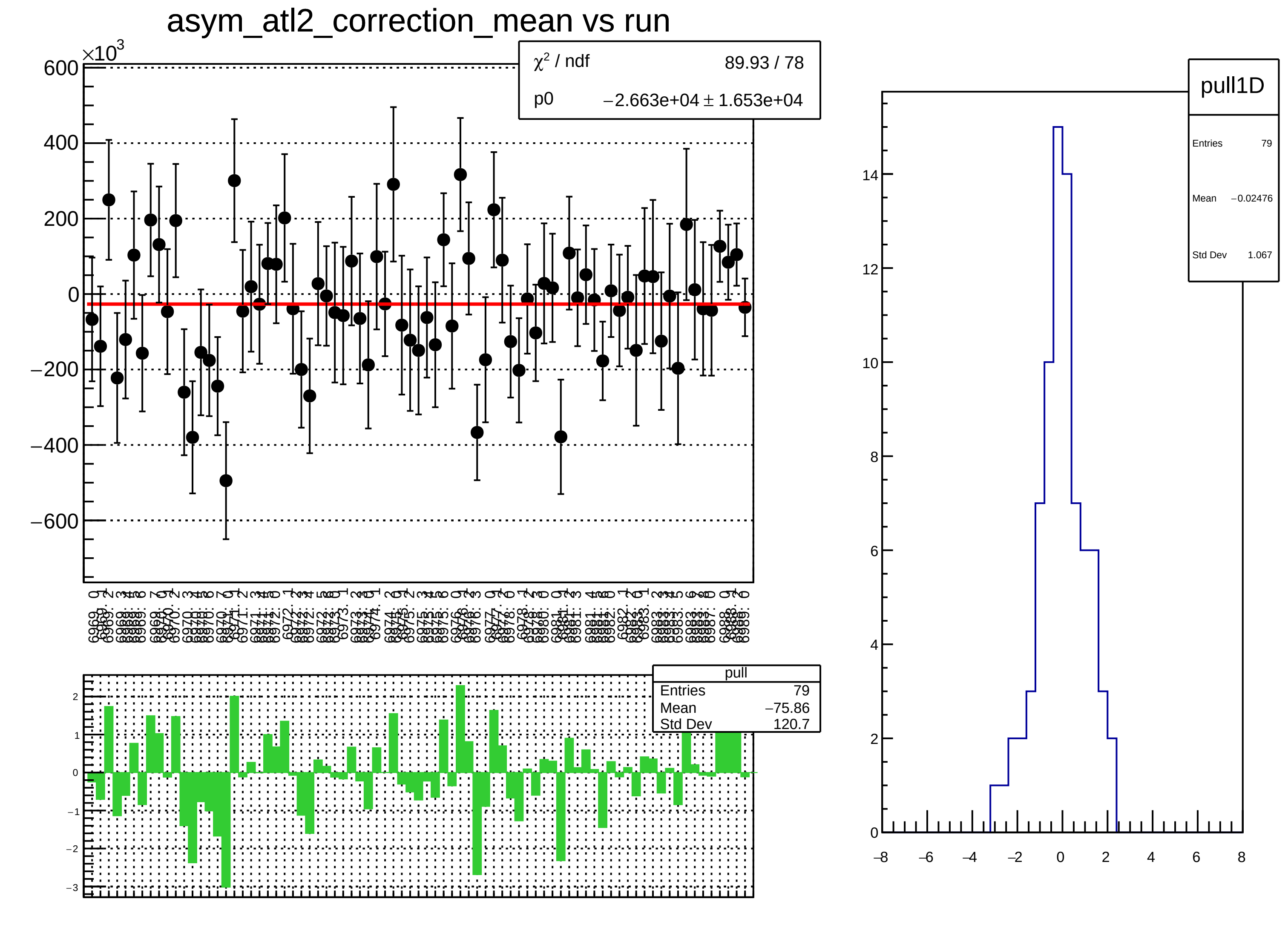
asym_atl1_rms vs run
χ2 / ndf 1.28e+04 / 78
p0 2688 ± 2.161
10000
8000
6000
4000
2000



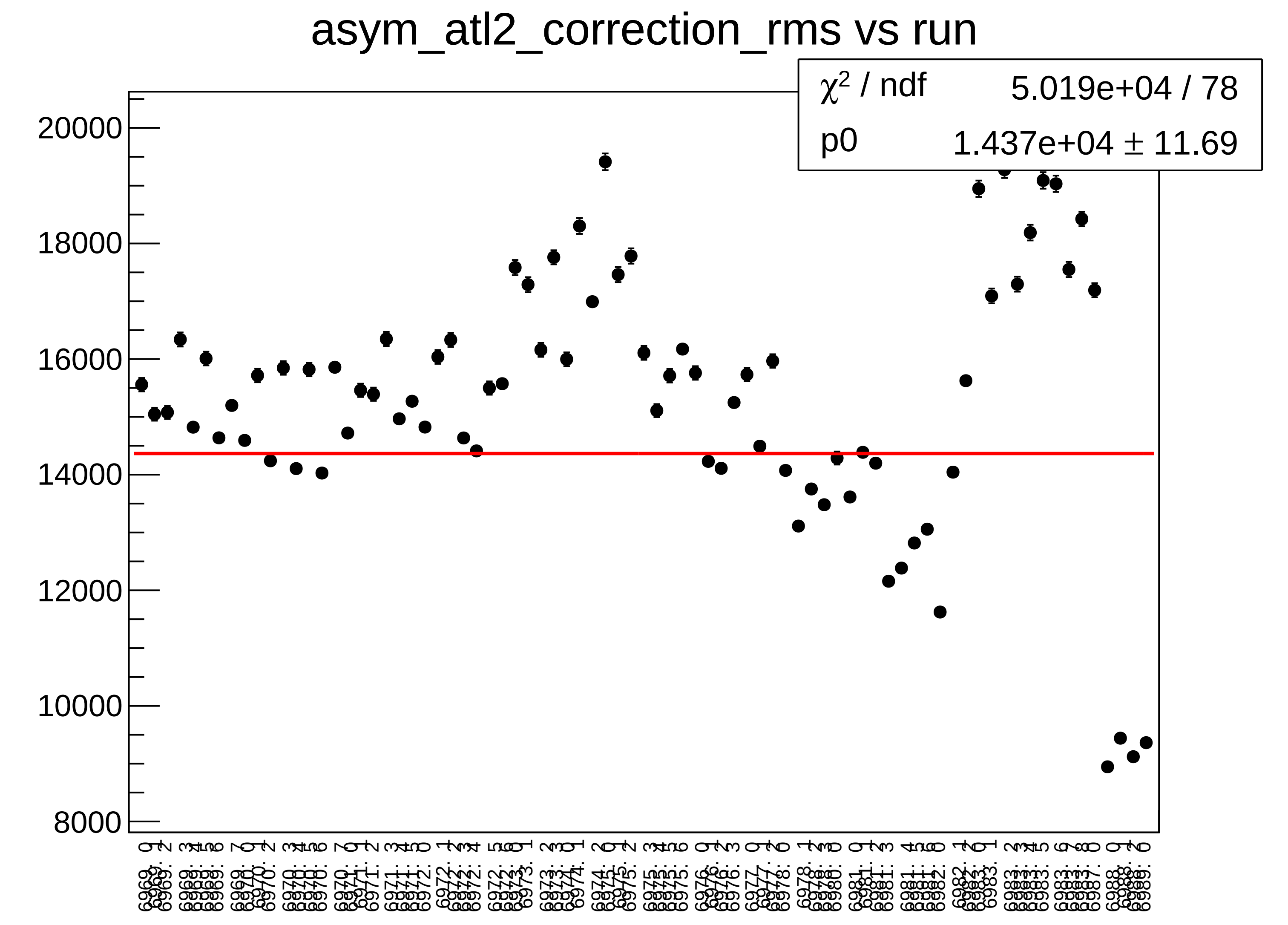
dit_asym_atl2_mean vs run
×10^3
χ2 / ndf 93.26 / 78
p0 −2208 ± 3133
100
50
0
−50
−100
pull
Entries 79
Mean −378.1
Std Dev 404.1
pull1D
Entries 79
Mean −0.01117
Std Dev 1.086



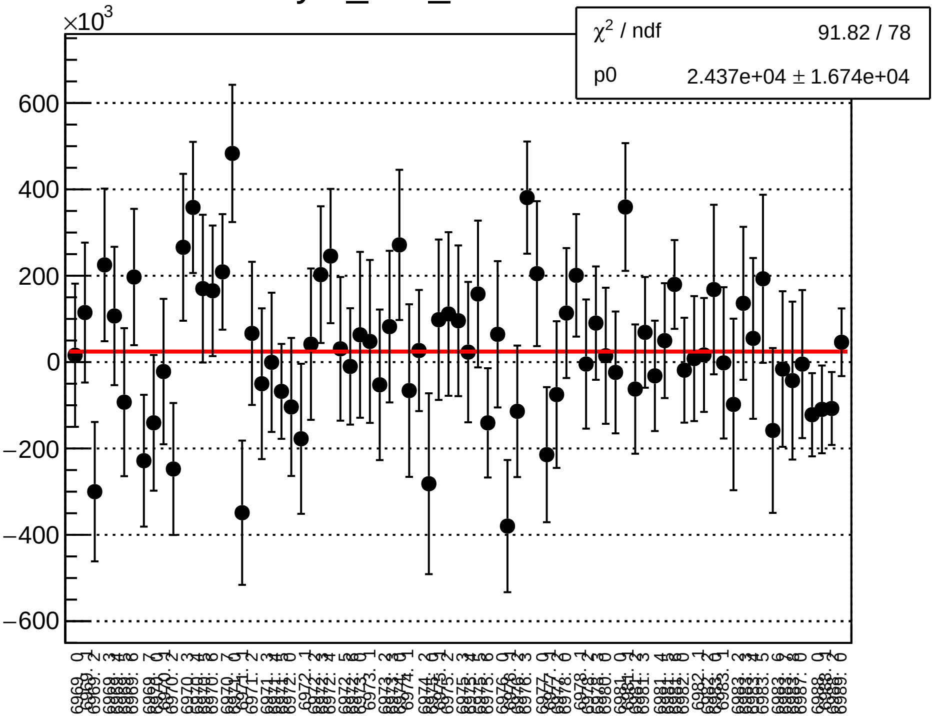
dit_asym_atl2_rms vs run
χ² / ndf 2417 / 78
p0 2765 ± 2.215
3800
3600
3400
3200
3000
2800
2600

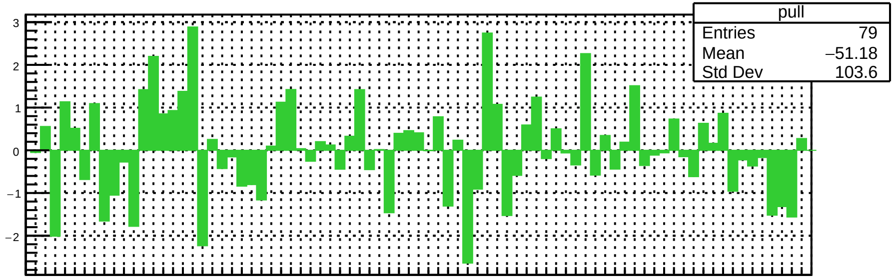


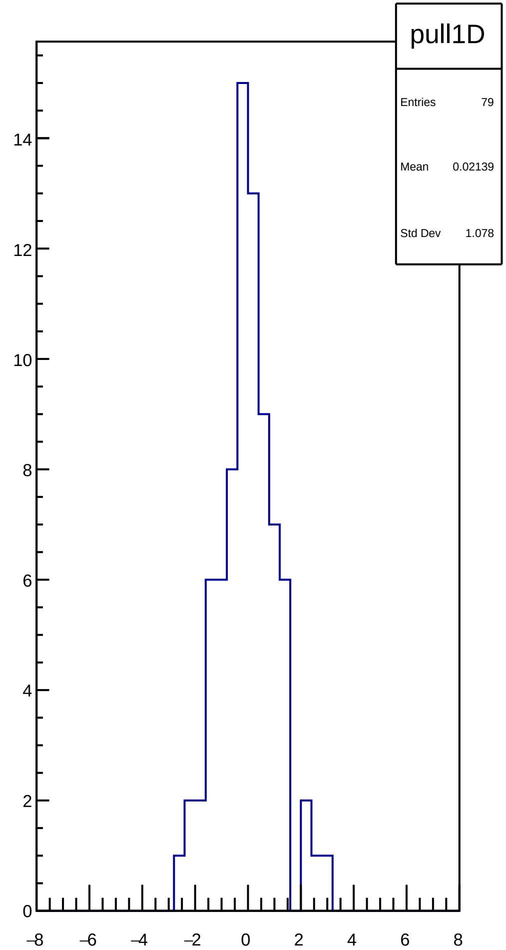
asym_atl2_correction_mean vs run
χ² / ndf 89.93 / 78
p0 −2.663e+04 ± 1.653e+04
×10³
pull
Entries 79
Mean −75.86
Std Dev 120.7
pull1D
Entries 79
Mean −0.02476
Std Dev 1.067

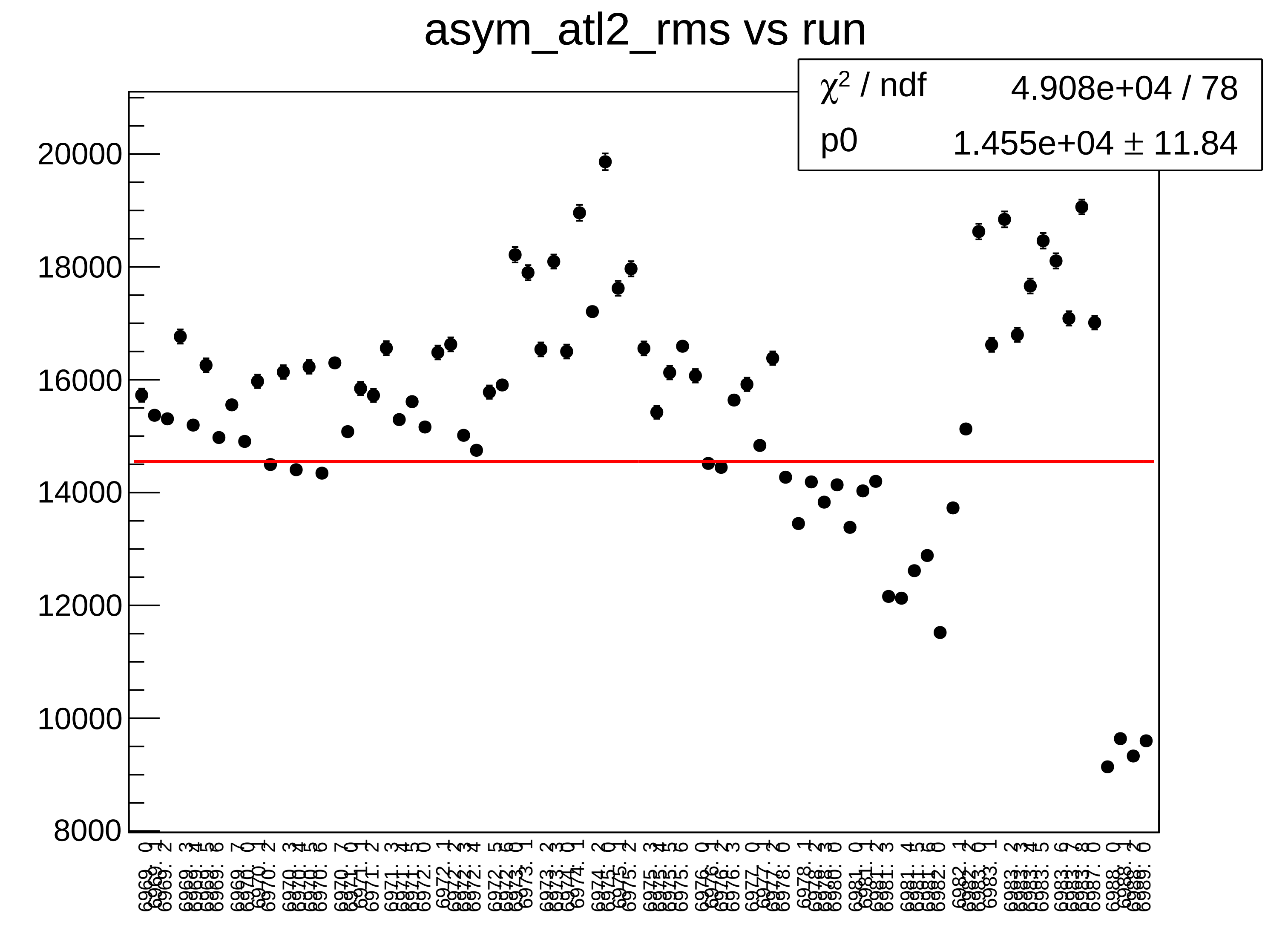

asym_atl2_correction_rms vs run
χ^2 / ndf 5.019e+04 / 78
p0 1.437e+04 ± 11.69

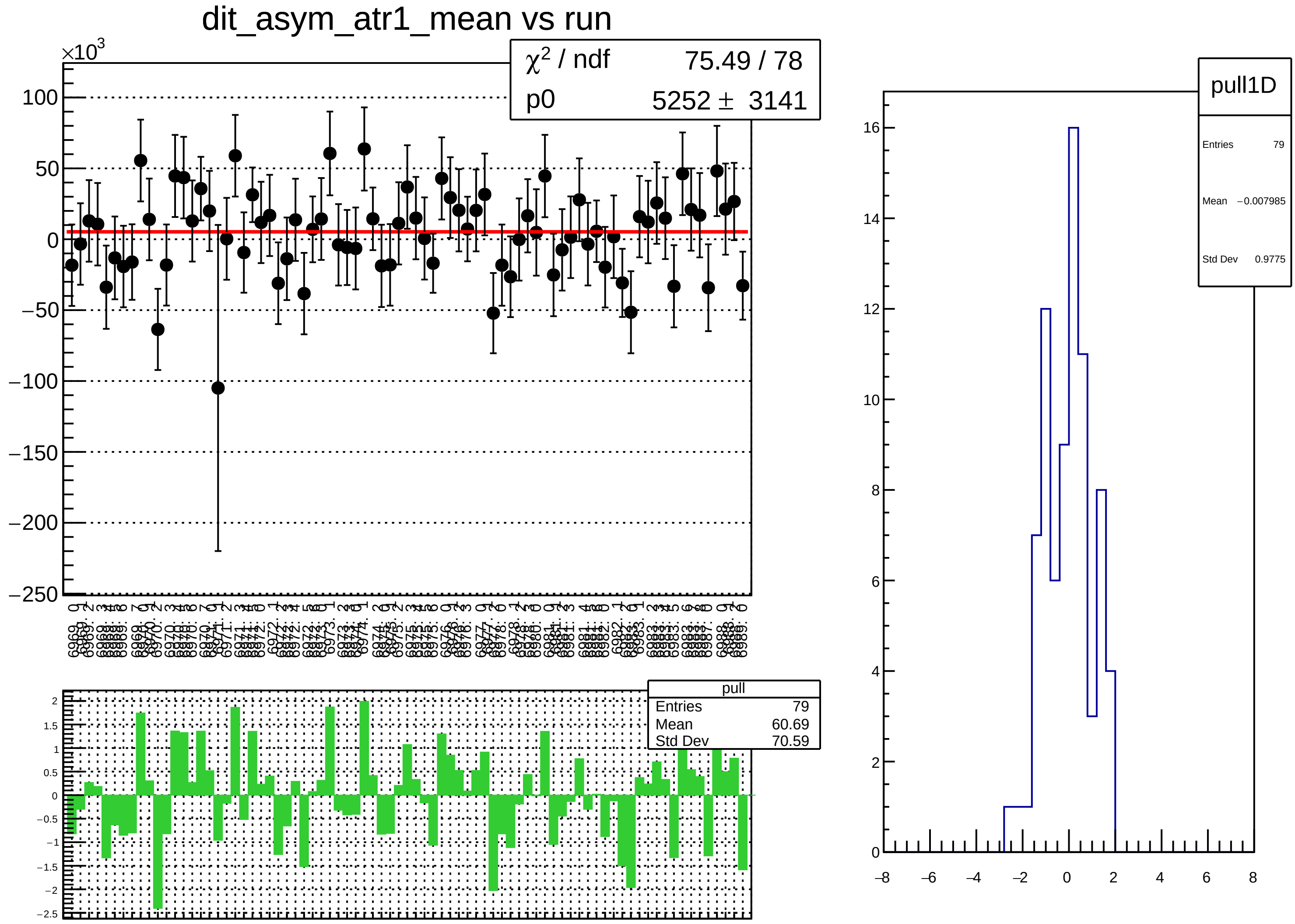
asym_atl2_mean vs run



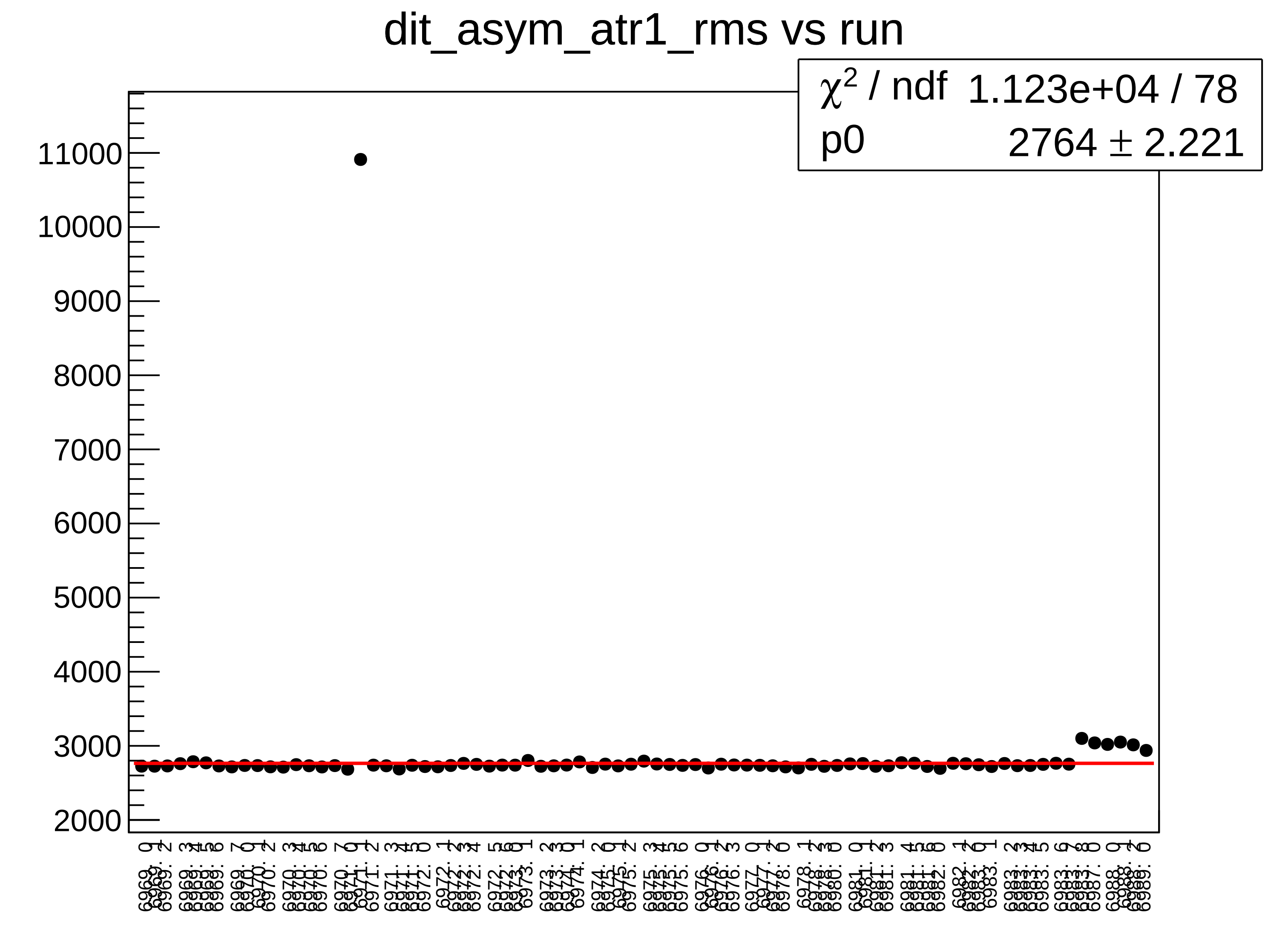


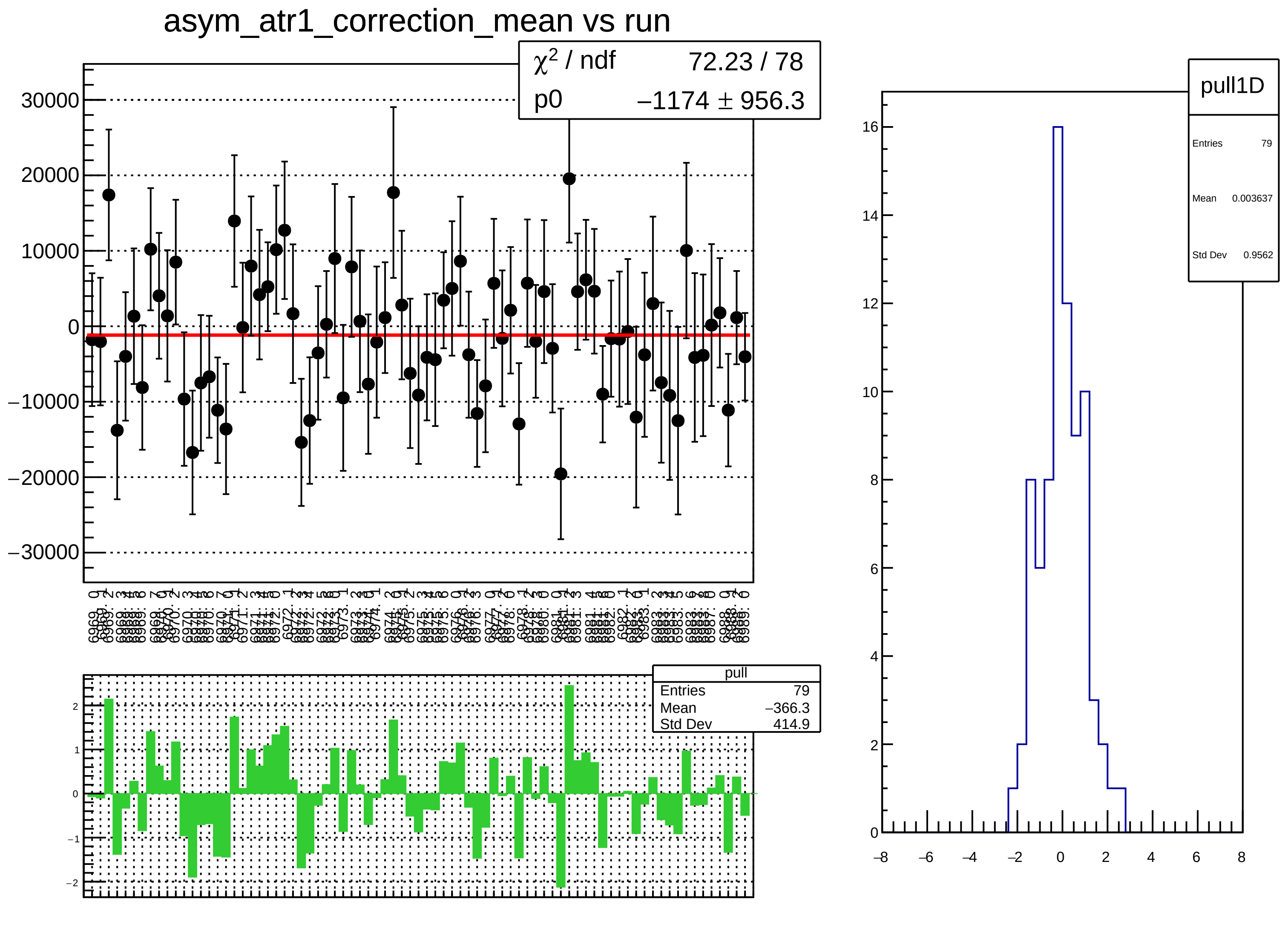



asym_atl2_rms vs run
χ2 / ndf 4.908e+04 / 78
p0 1.455e+04 ± 11.84
20000
18000
16000
14000
12000
10000
8000

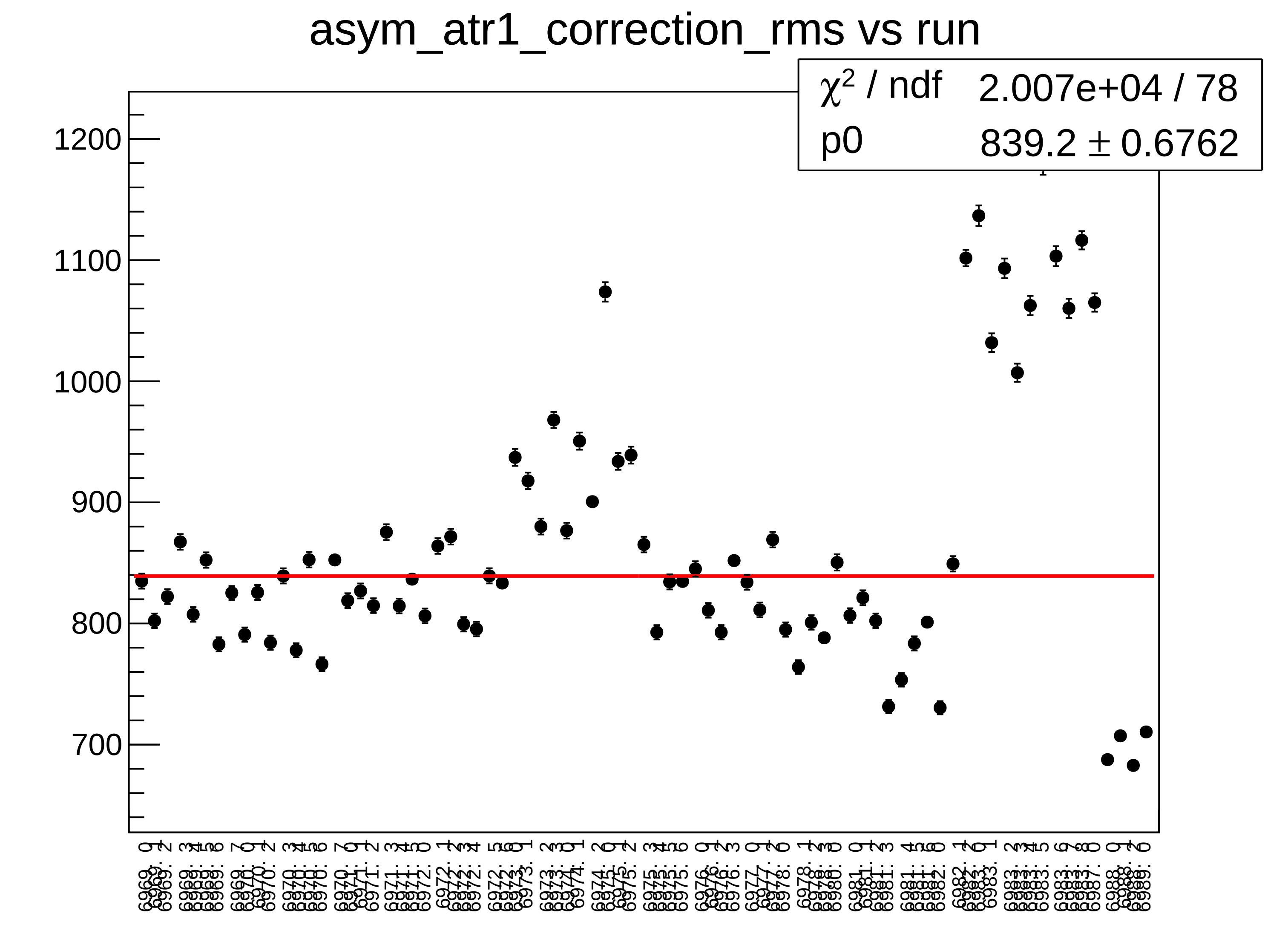


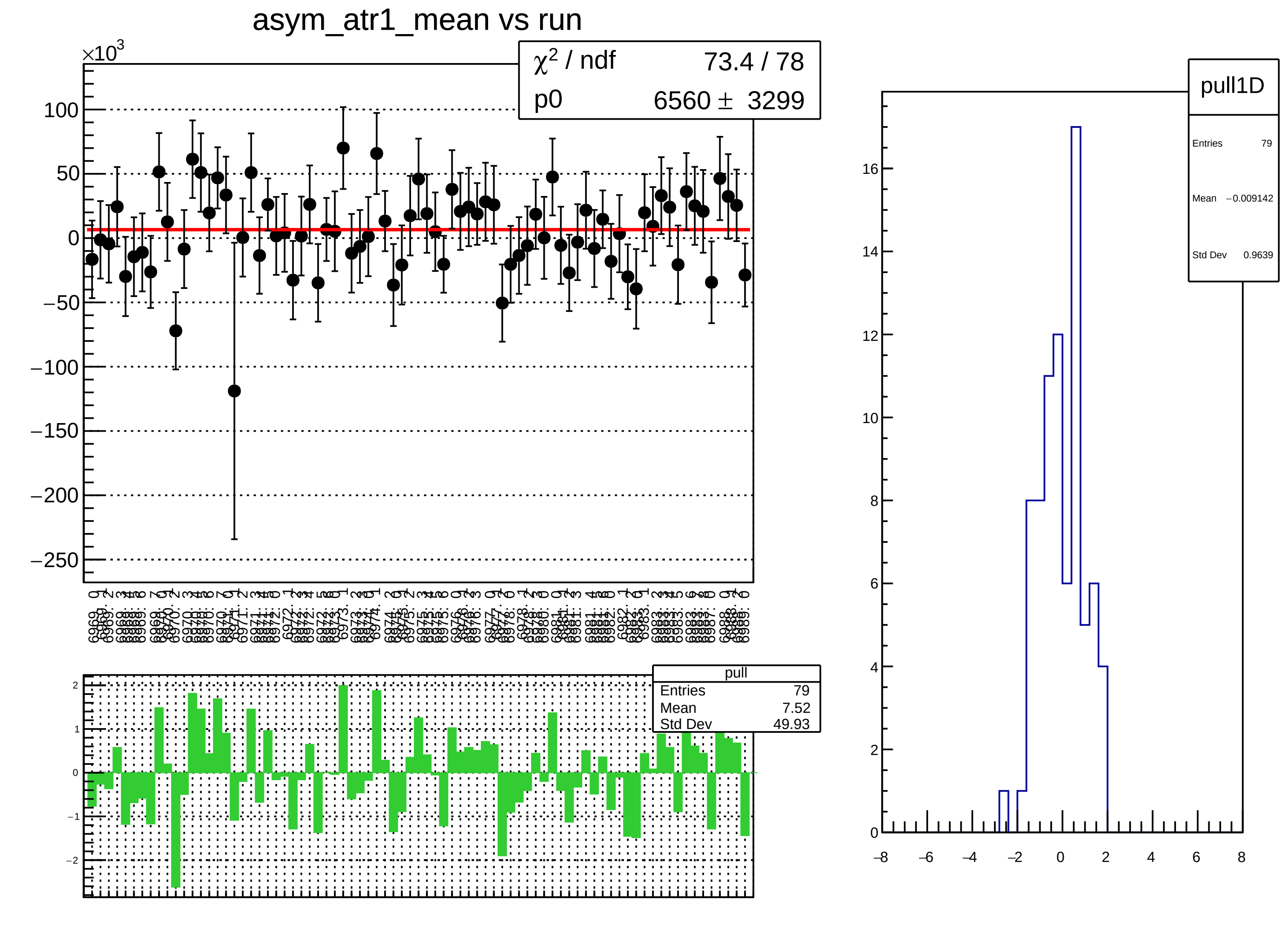
dit_asym_atr1_mean vs run
χ^2 / ndf 75.49 / 78
p0 5252 ± 3141
pull
Entries 79
Mean 60.69
Std Dev 70.59
pull1D
Entries 79
Mean −0.007985
Std Dev 0.9775


dit_asym_atr1_rms vs run
χ2 / ndf 1.123e+04 / 78
p0 2764 ± 2.221
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

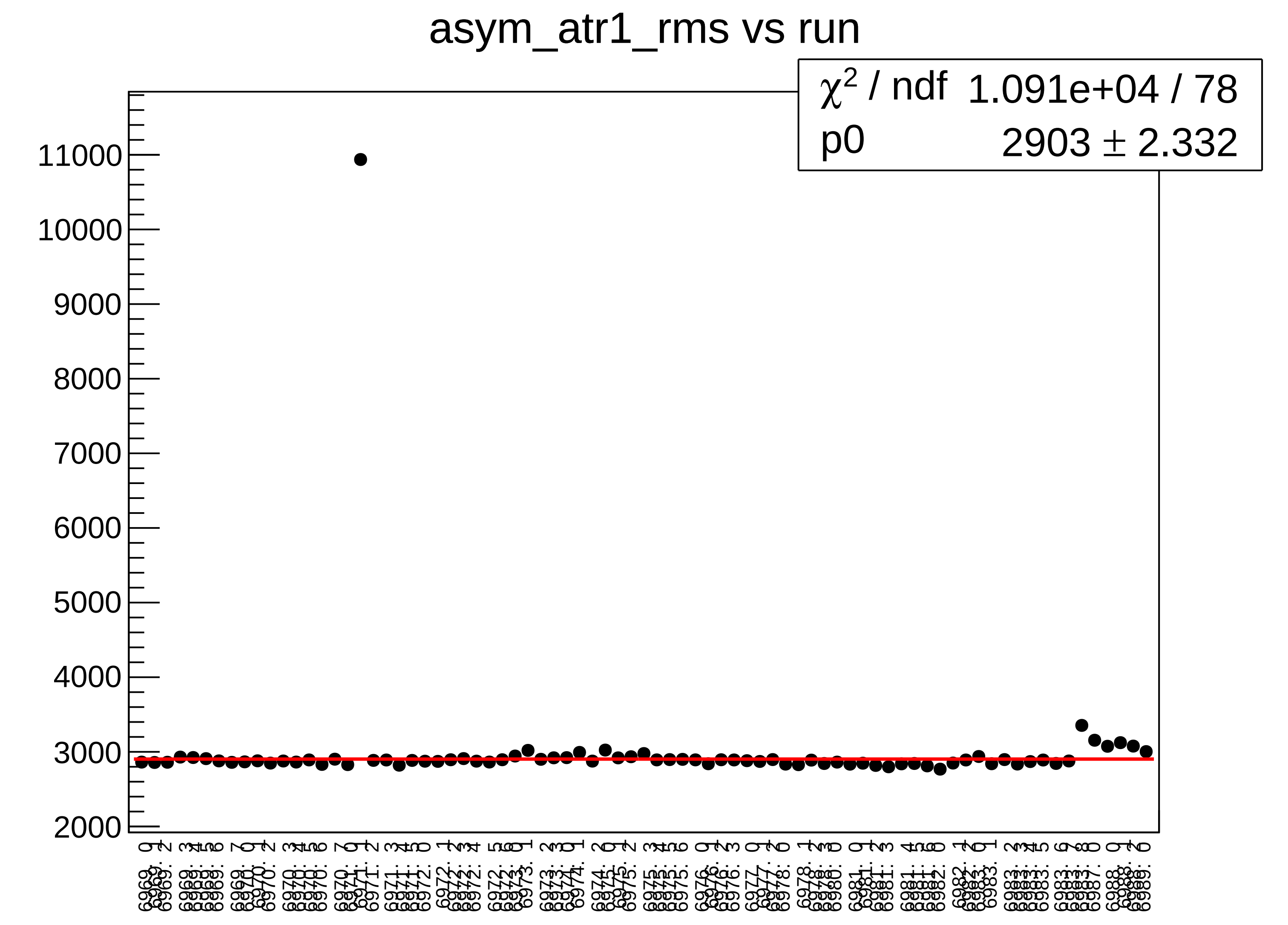


asym_atr1_correction_mean vs run
χ^2 / ndf 72.23 / 78
p0 −1174 ± 956.3
pull
Entries 79
Mean −366.3
Std Dev 414.9
pull1D
Entries 79
Mean 0.003637
Std Dev 0.9562

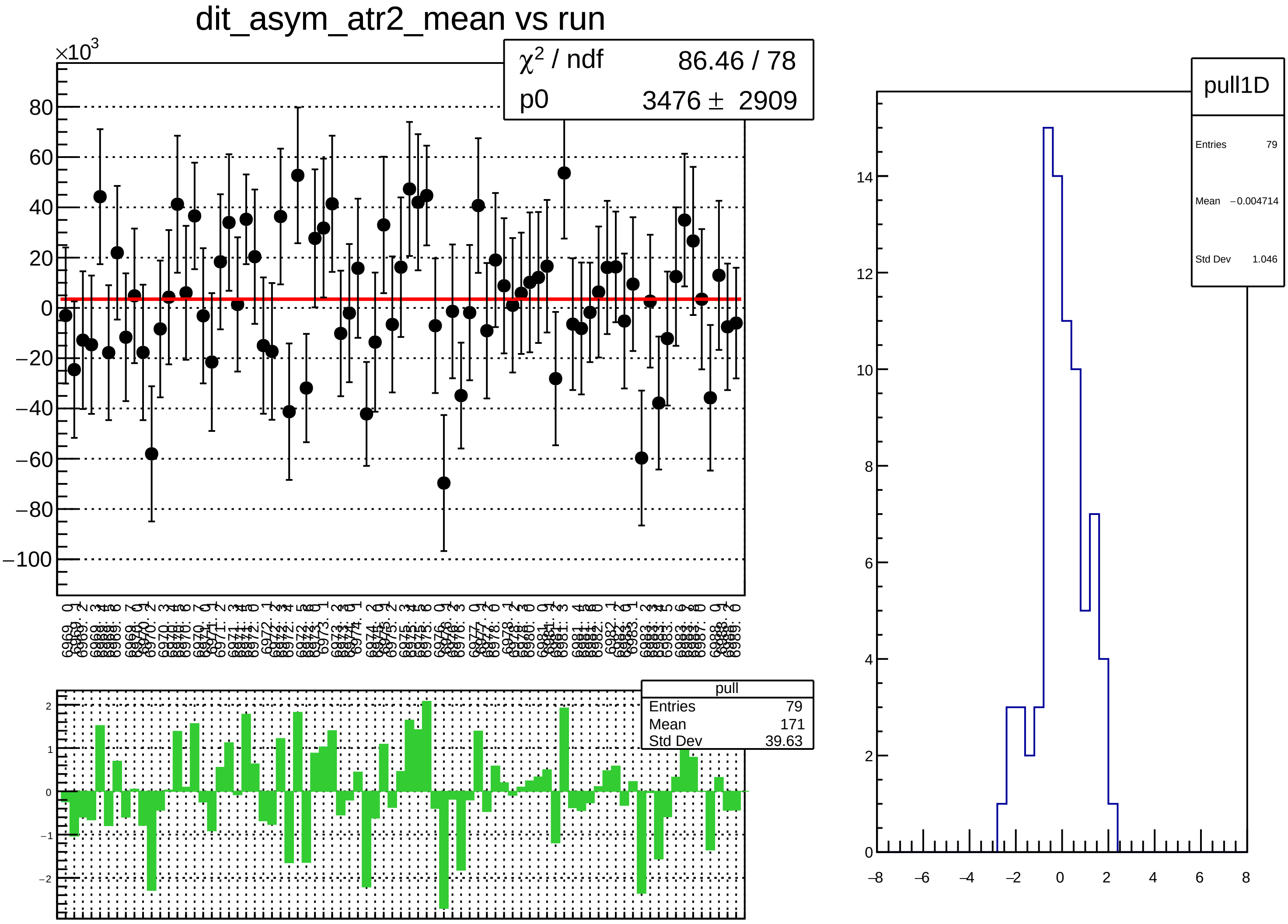

asym_atr1_correction_rms vs run
χ2 / ndf 2.007e+04 / 78
p0 839.2 ± 0.6762
1200
1100
1000
900
800
700

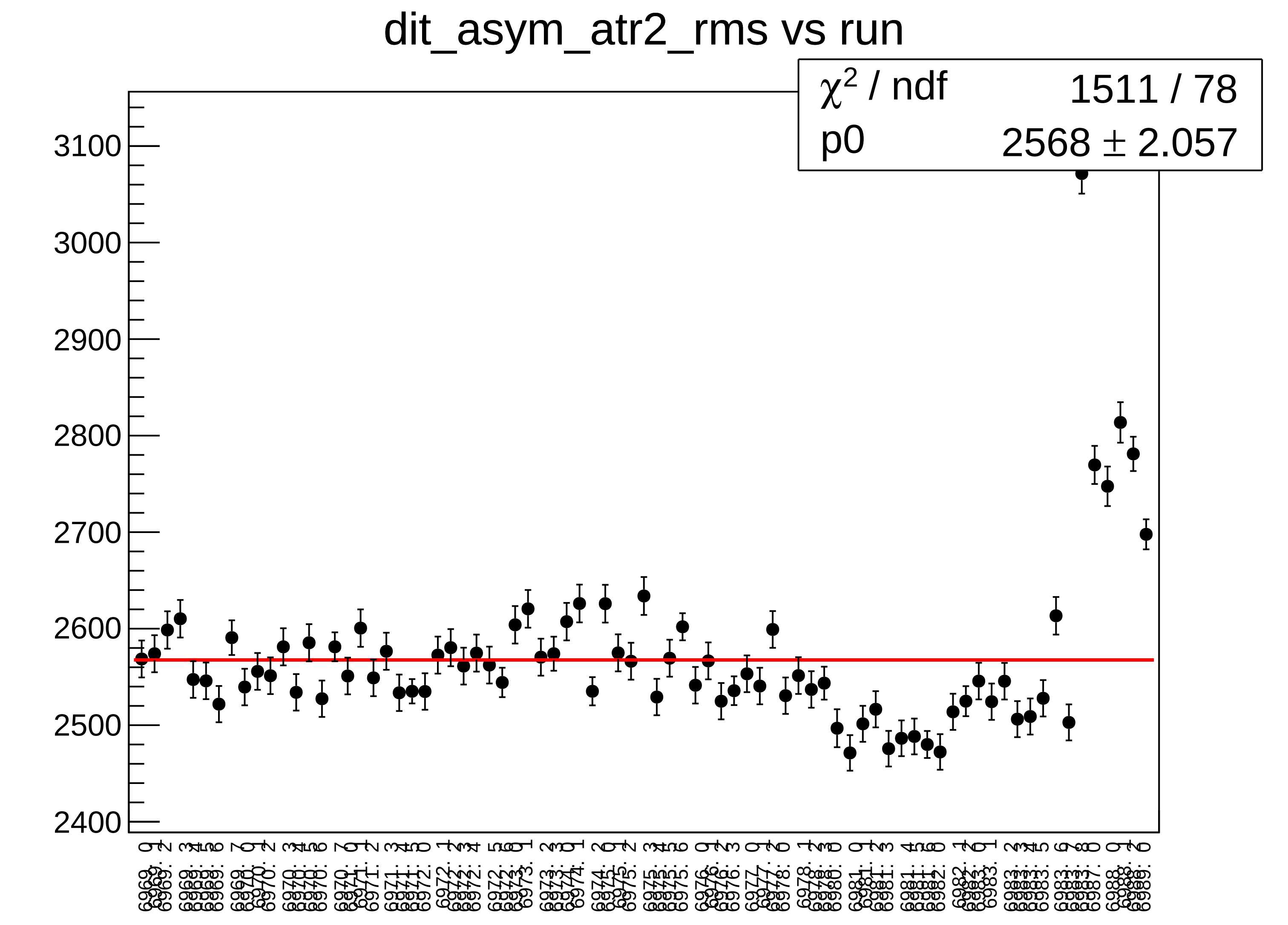


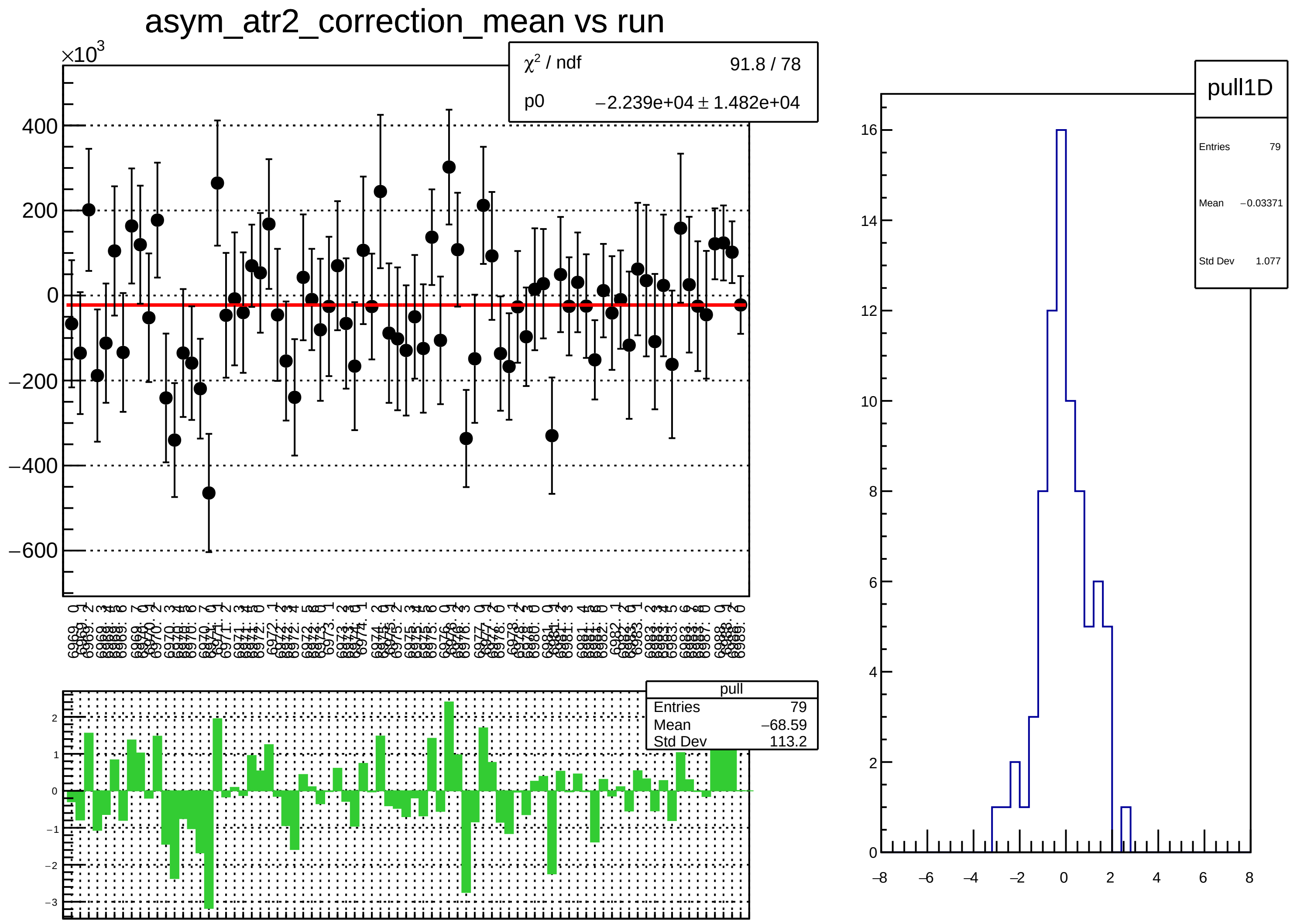
asym_atr1_mean vs run
×10^3
χ2 / ndf 73.4 / 78
p0 6560 ± 3299
pull
Entries 79
Mean 7.52
Std Dev 49.93
pull1D
Entries 79
Mean −0.009142
Std Dev 0.9639



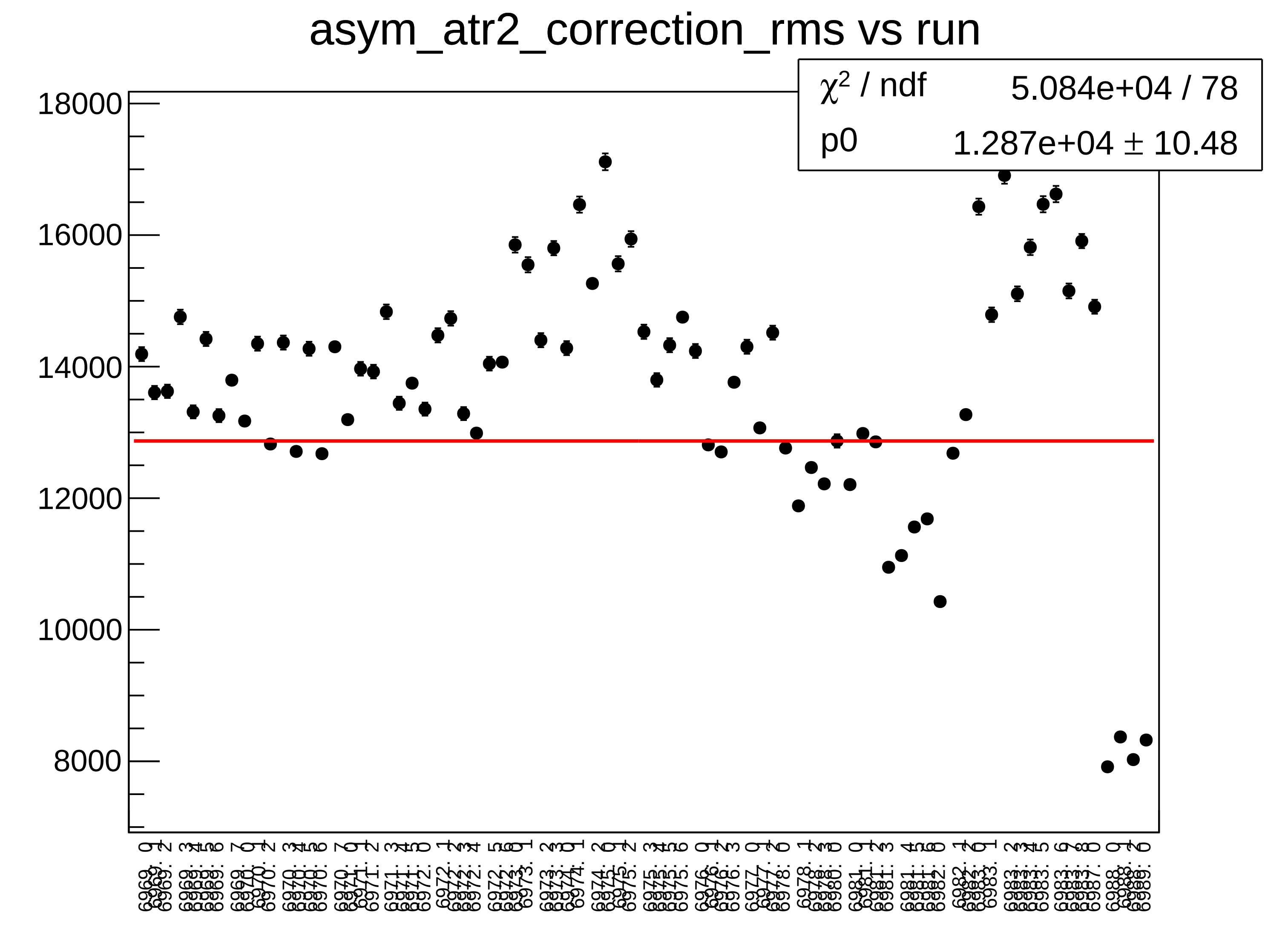
asym_atr1_rms vs run
χ^2 / ndf 1.091e+04 / 78
p0 2903 ± 2.332
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000


dit_asym_atr2_mean vs run
$\times10^{3}$
χ^2 / ndf 86.46 / 78
p0 3476 ± 2909
pull
Entries 79
Mean 171
Std Dev 39.63
pull1D
Entries 79
Mean −0.004714
Std Dev 1.046

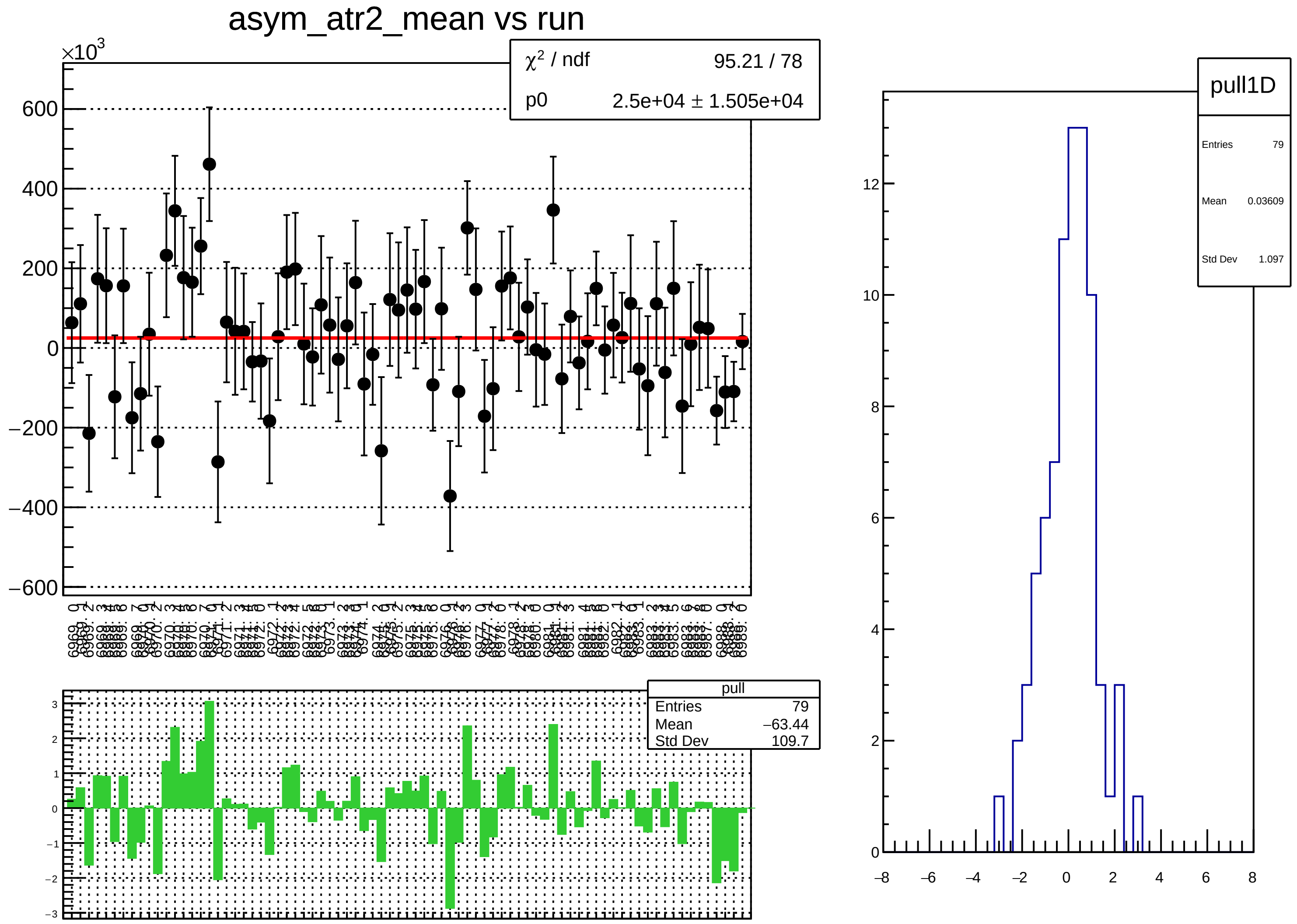

dit_asym_atr2_rms vs run
χ^2 / ndf 1511 / 78
p0 2568 ± 2.057
3100
3000
2900
2800
2700
2600
2500
2400

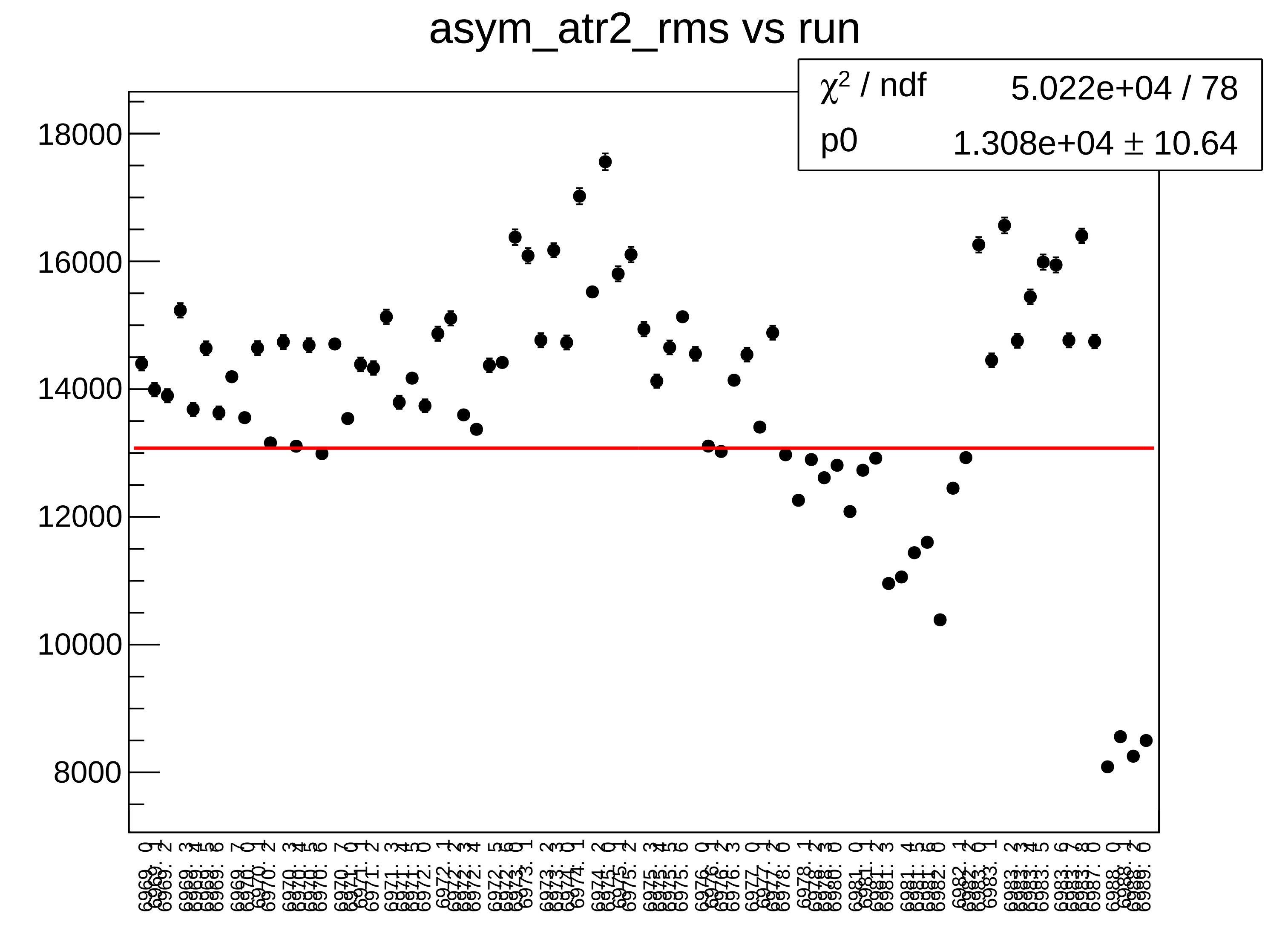


asym_atr2_correction_mean vs run
×10^3
χ² / ndf 91.8 / 78
p0 −2.239e+04 ± 1.482e+04
400
200
0
−200
−400
−600
pull
Entries 79
Mean −68.59
Std Dev 113.2
pull1D
Entries 79
Mean −0.03371
Std Dev 1.077

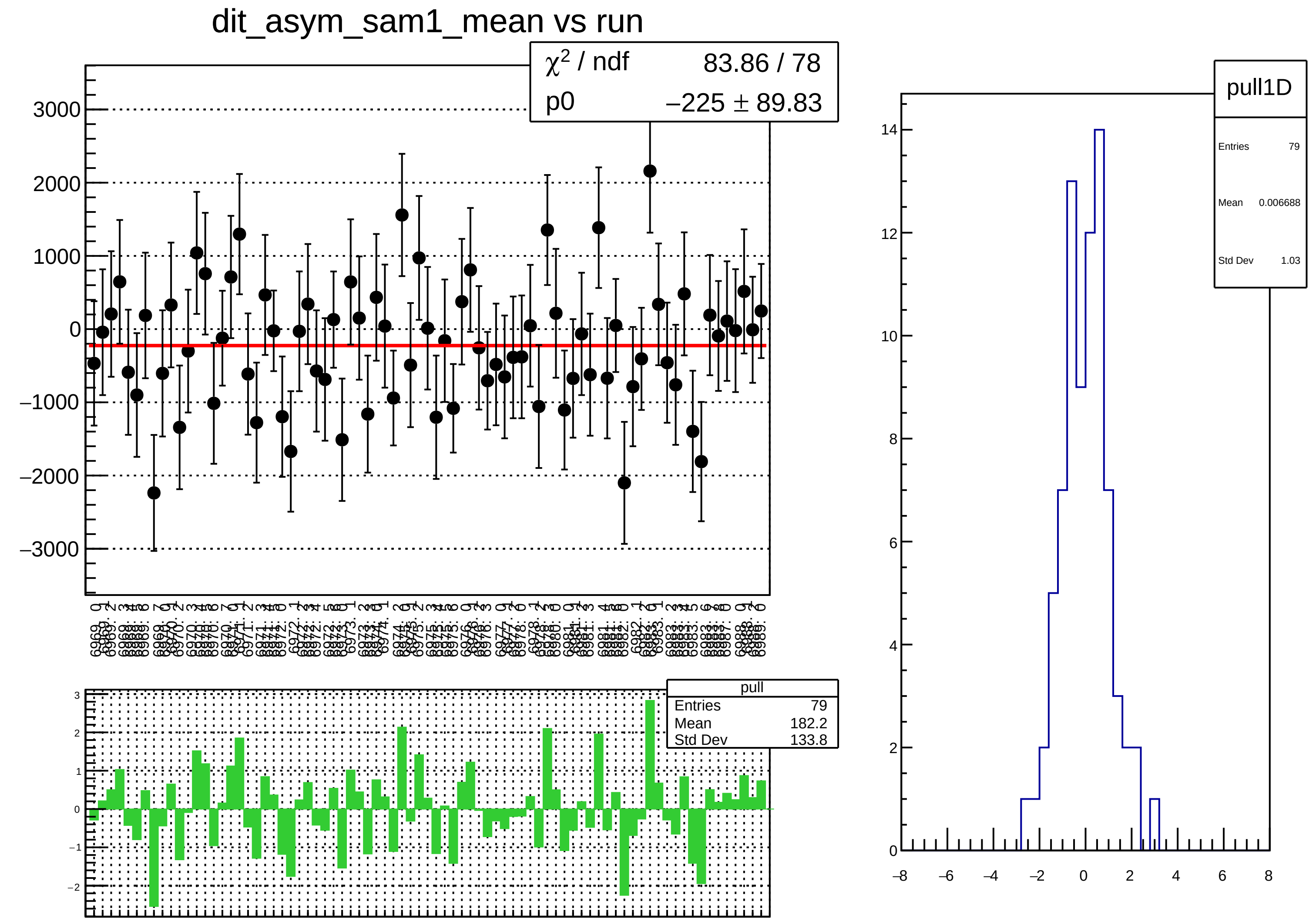


asym_atr2_correction_rms vs run
χ2 / ndf 5.084e+04 / 78
p0 1.287e+04 ± 10.48
18000
16000
14000
12000
10000
8000

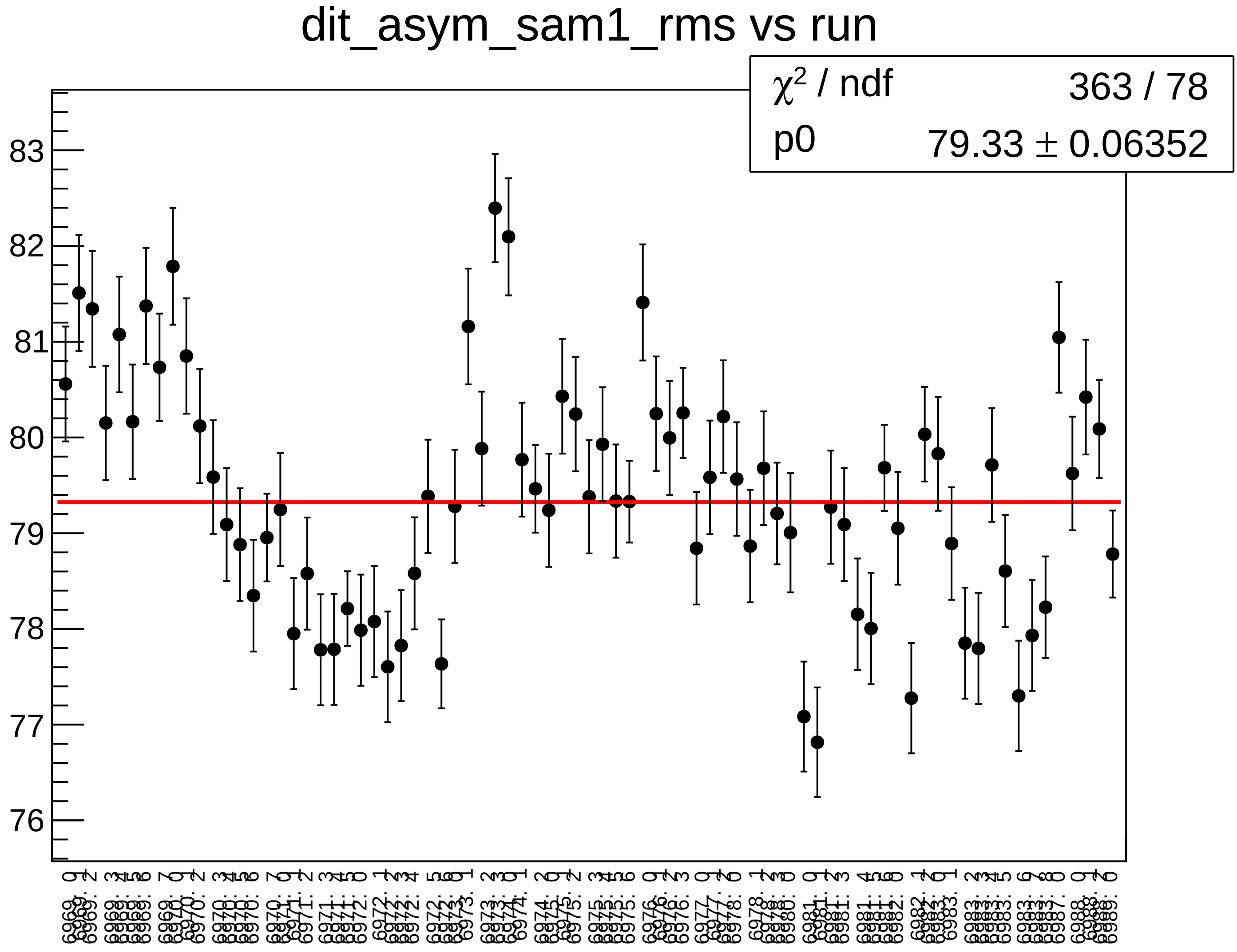

asym_atr2_mean vs run
×10^3
χ2 / ndf 95.21 / 78
p0 2.5e+04 ± 1.505e+04
pull
Entries 79
Mean −63.44
Std Dev 109.7
pull1D
Entries 79
Mean 0.03609
Std Dev 1.097

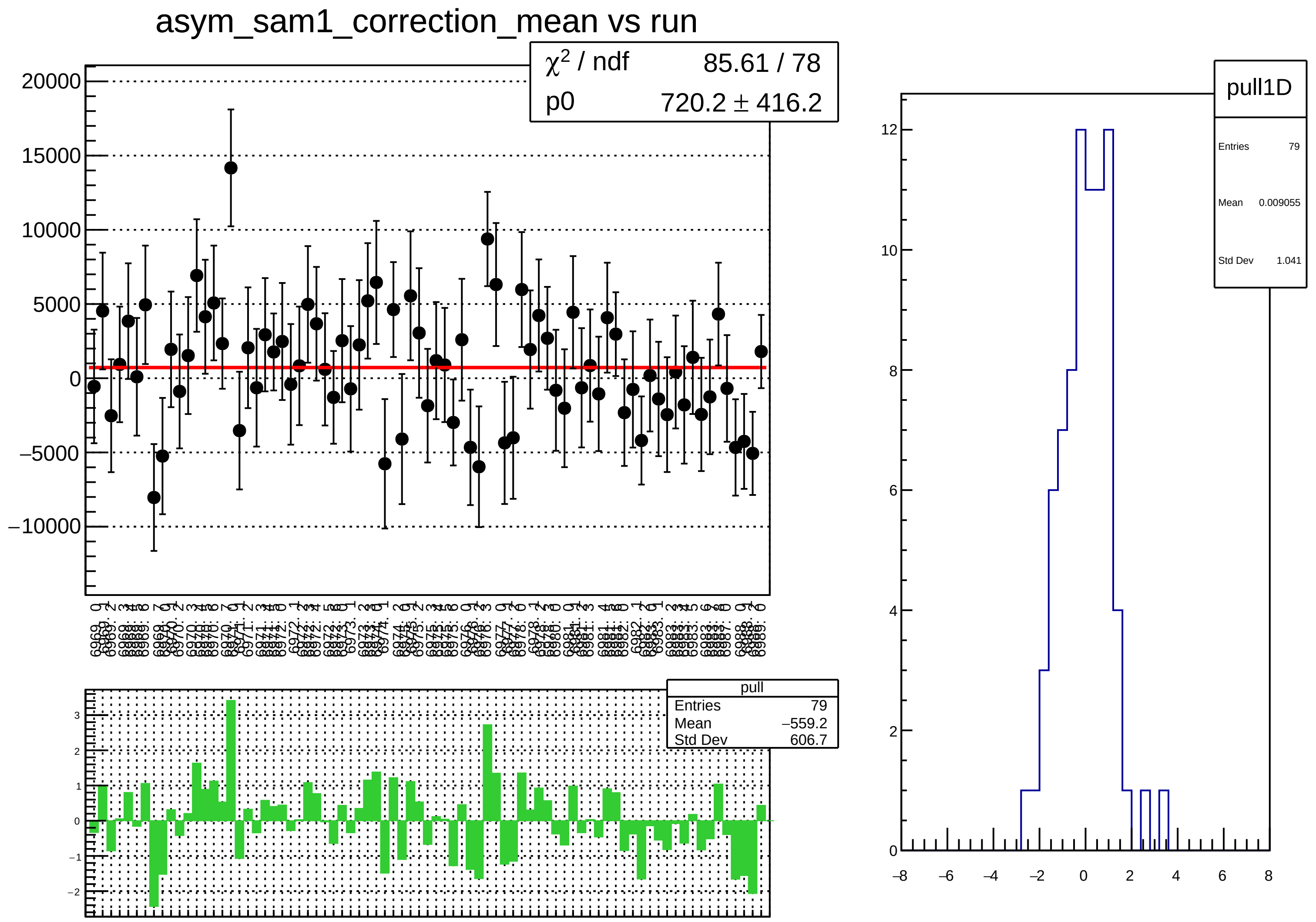


asym_atr2_rms vs run
χ2 / ndf 5.022e+04 / 78
p0 1.308e+04 ± 10.64

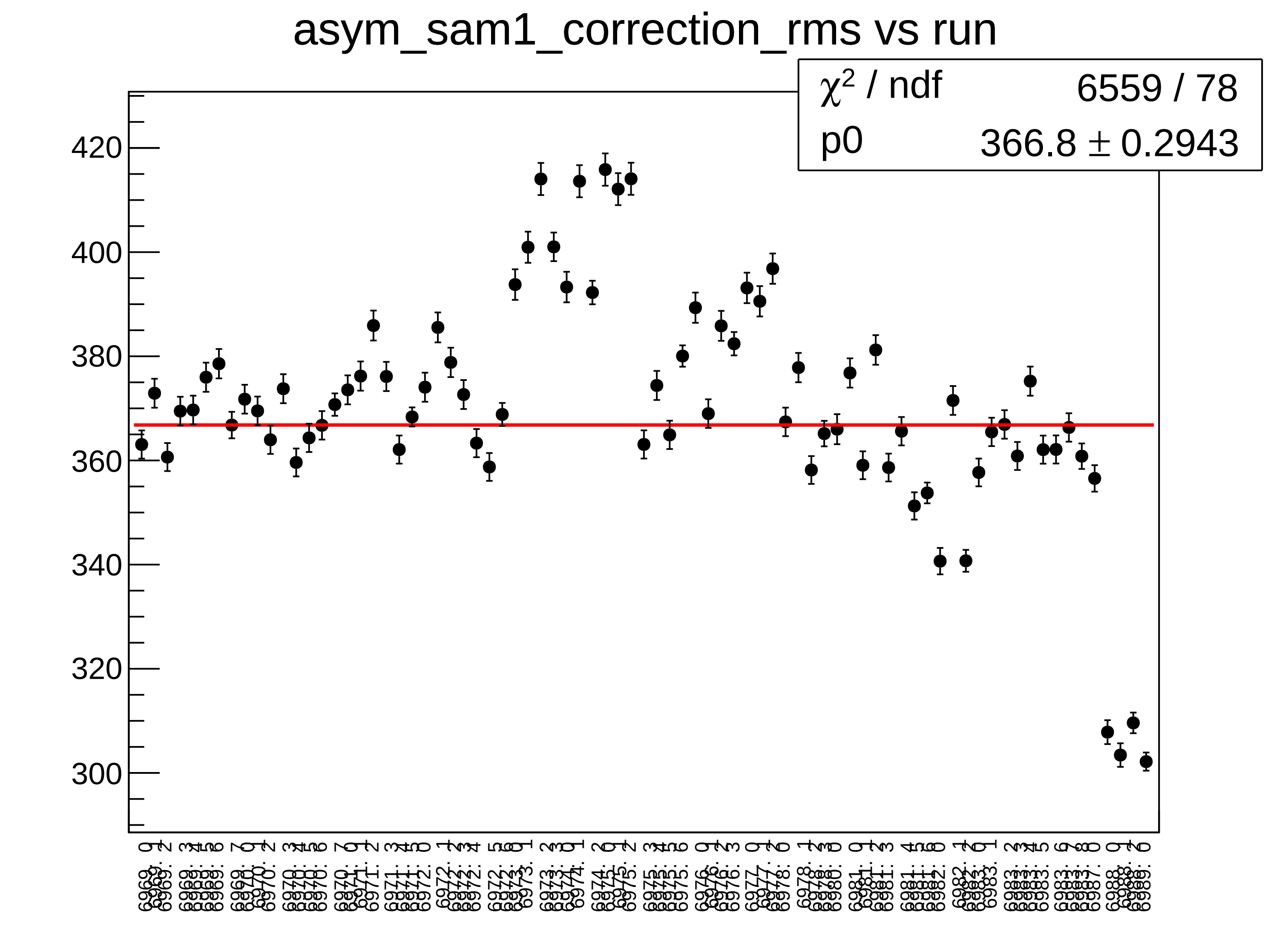


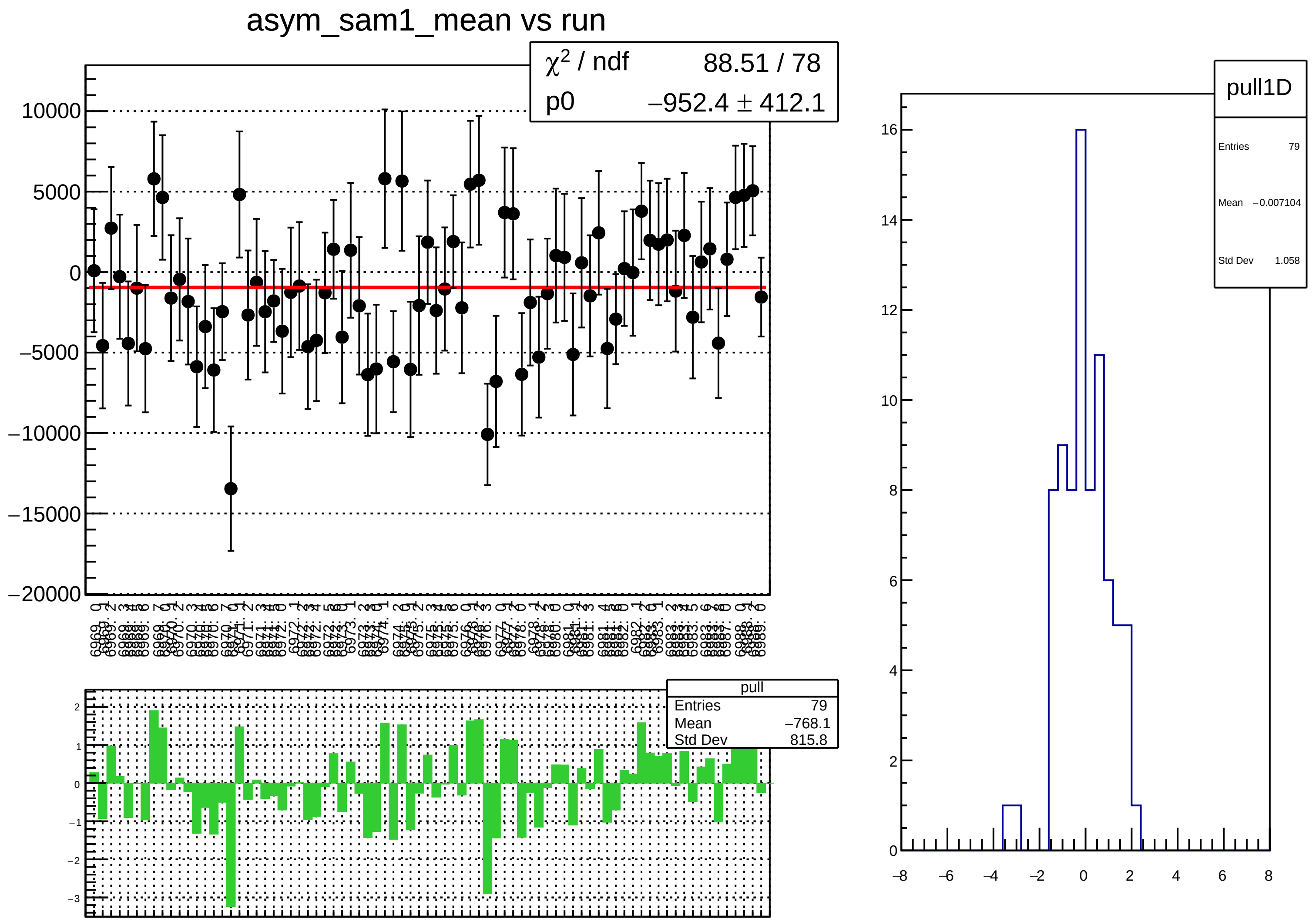
dit_asym_sam1_mean vs run
χ^2 / ndf 83.86 / 78
p0 −225 ± 89.83
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 79
Mean 182.2
Std Dev 133.8
pull1D
Entries 79
Mean 0.006688
Std Dev 1.03
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

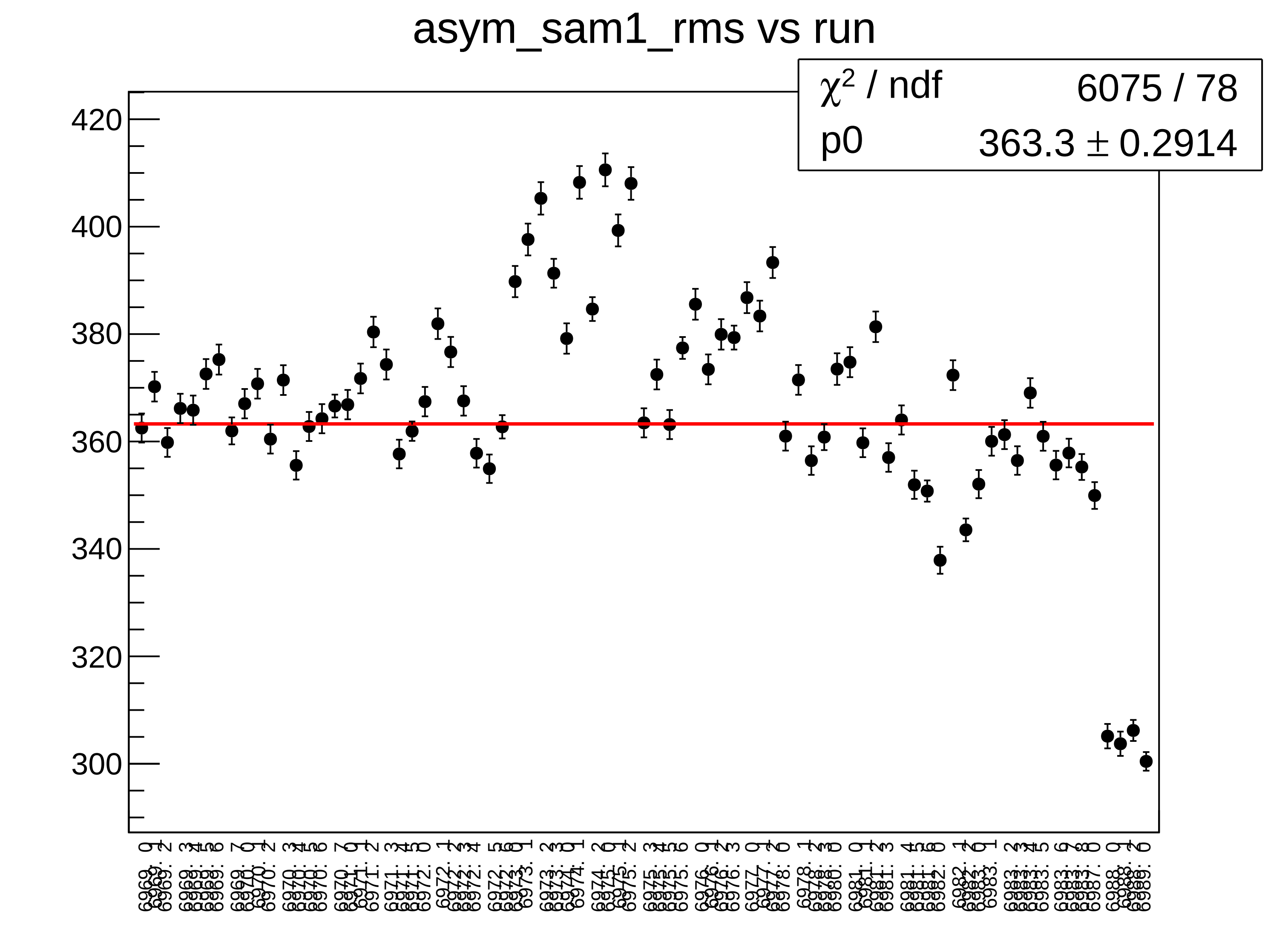

dit_asym_sam1_rms vs run
χ2 / ndf 363 / 78
p0 79.33 ± 0.06352
83
82
81
80
79
78
77
76



asym_sam1_correction_mean vs run
χ² / ndf 85.61 / 78
p0 720.2 ± 416.2
pull
Entries 79
Mean −559.2
Std Dev 606.7
pull1D
Entries 79
Mean 0.009055
Std Dev 1.041

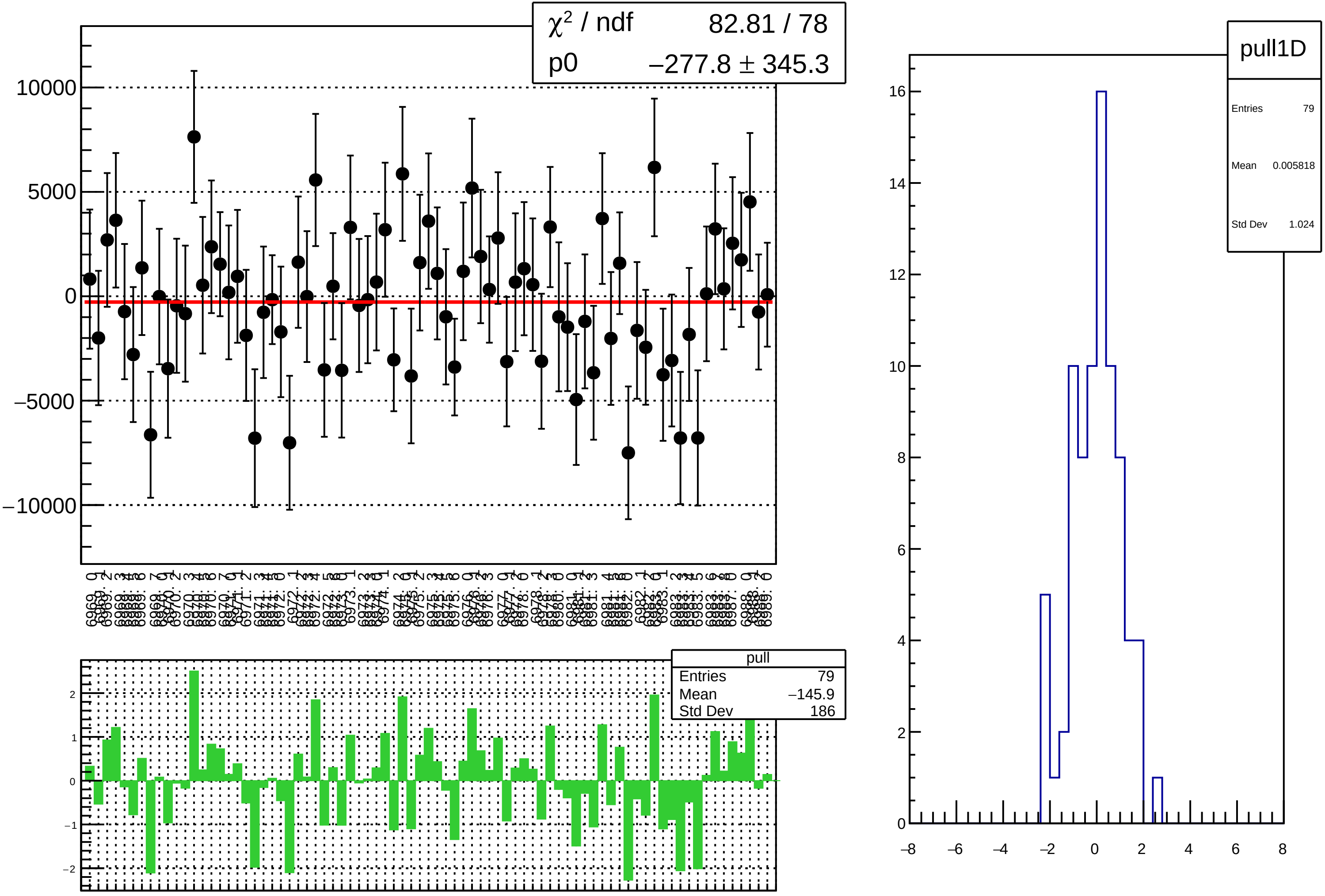

asym_sam1_correction_rms vs run
χ2 / ndf 6559 / 78
p0 366.8 ± 0.2943
420
400
380
360
340
320
300

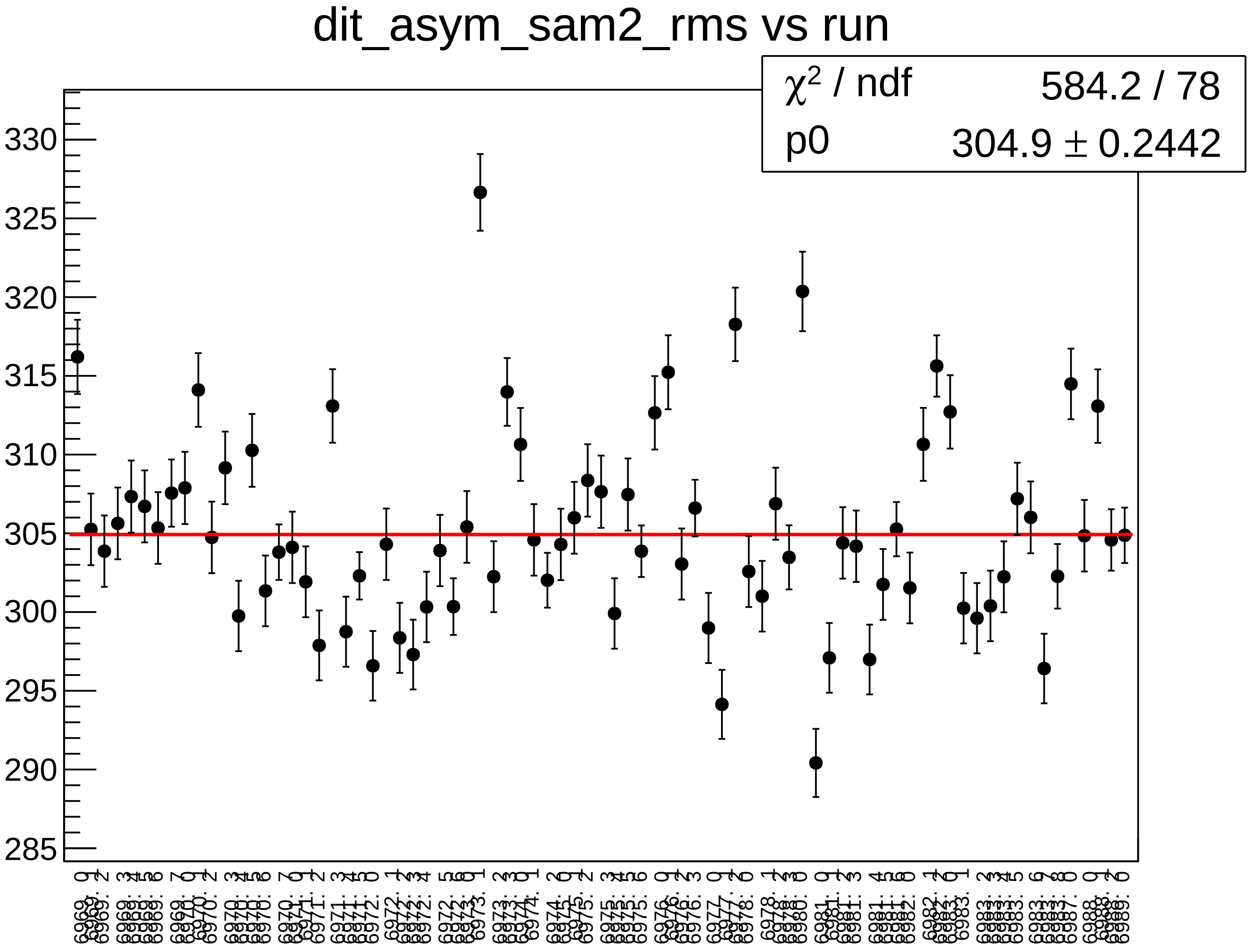

asym_sam1_mean vs run
χ2 / ndf 88.51 / 78
p0 −952.4 ± 412.1
pull
Entries 79
Mean −768.1
Std Dev 815.8
pull1D
Entries 79
Mean −0.007104
Std Dev 1.058



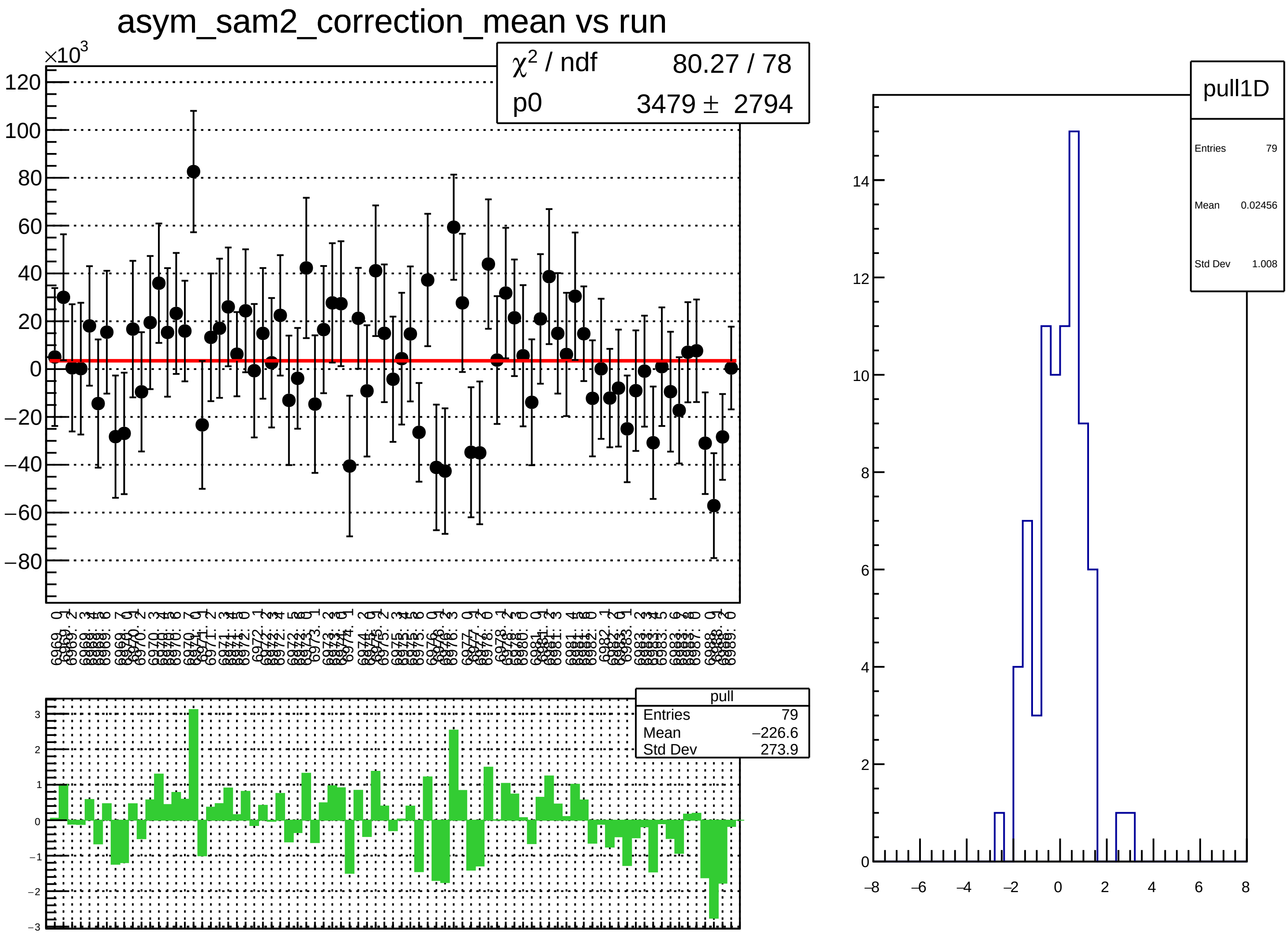
asym_sam1_rms vs run
χ2 / ndf 6075 / 78
p0 363.3 ± 0.2914
420
400
380
360
340
320
300

dit_asym_sam2_mean vs run

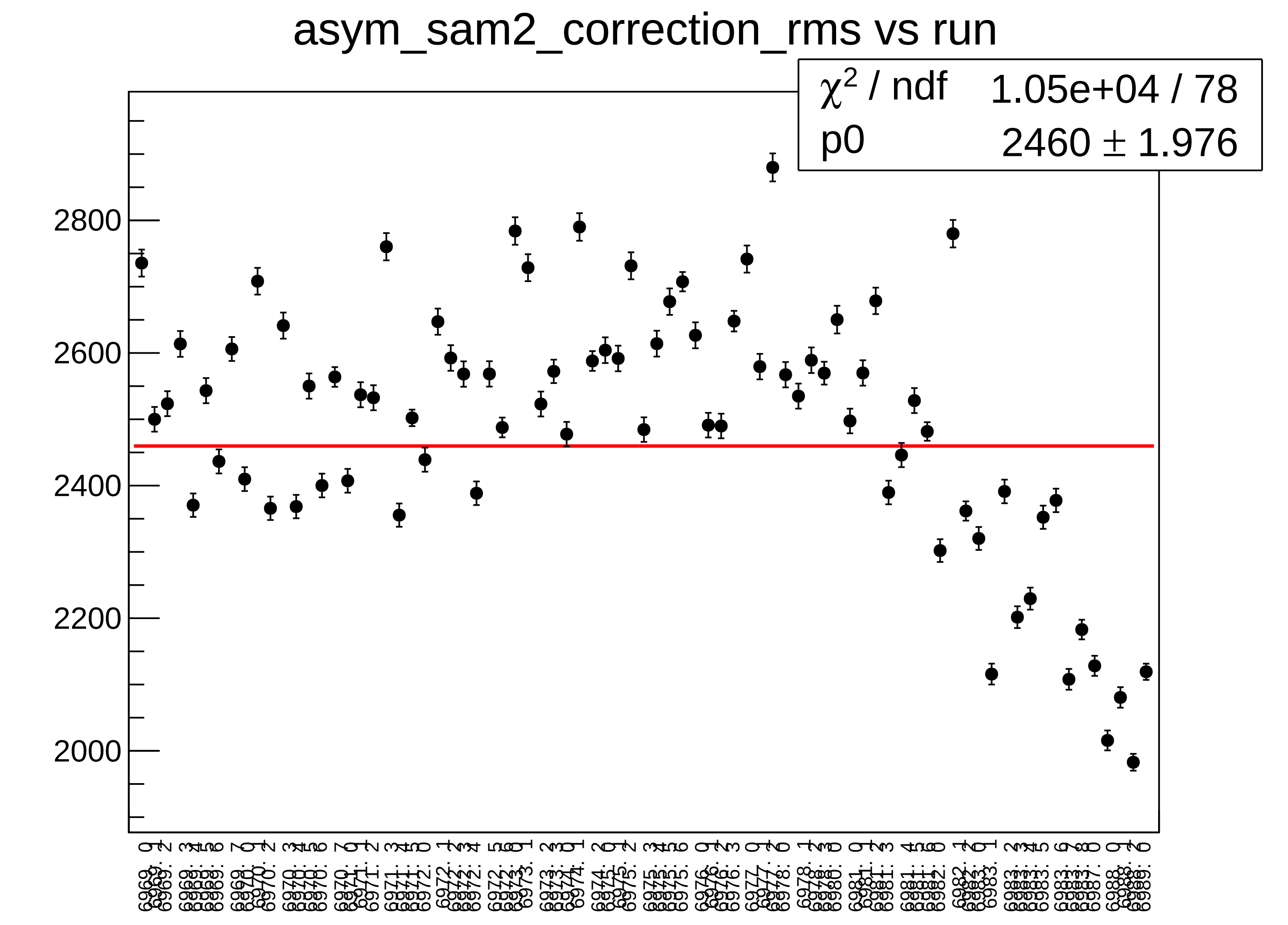




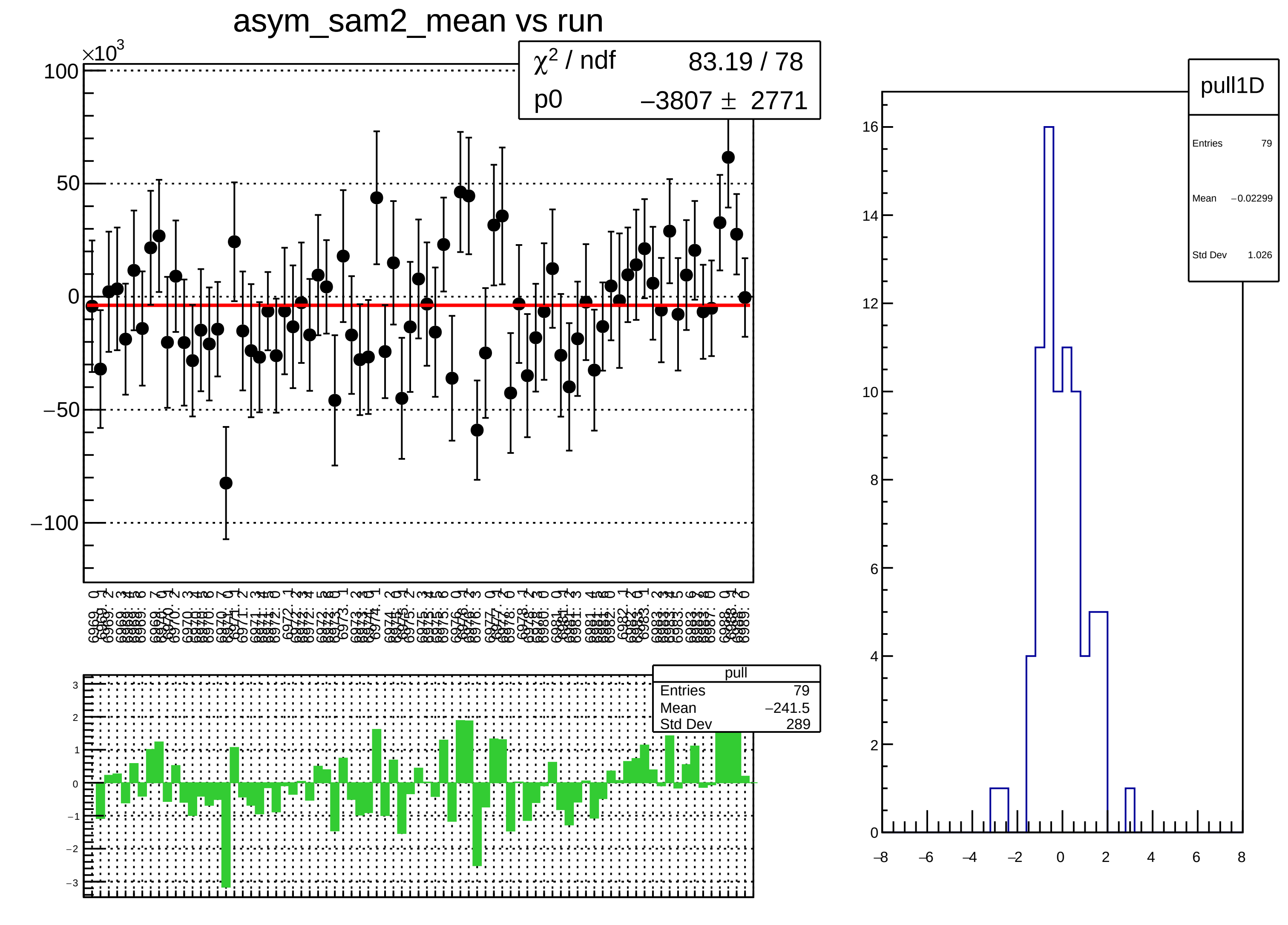
dit_asym_sam2_rms vs run
χ2 / ndf 584.2 / 78
p0 304.9 ± 0.2442
330
325
320
315
310
305
300
295
290
285



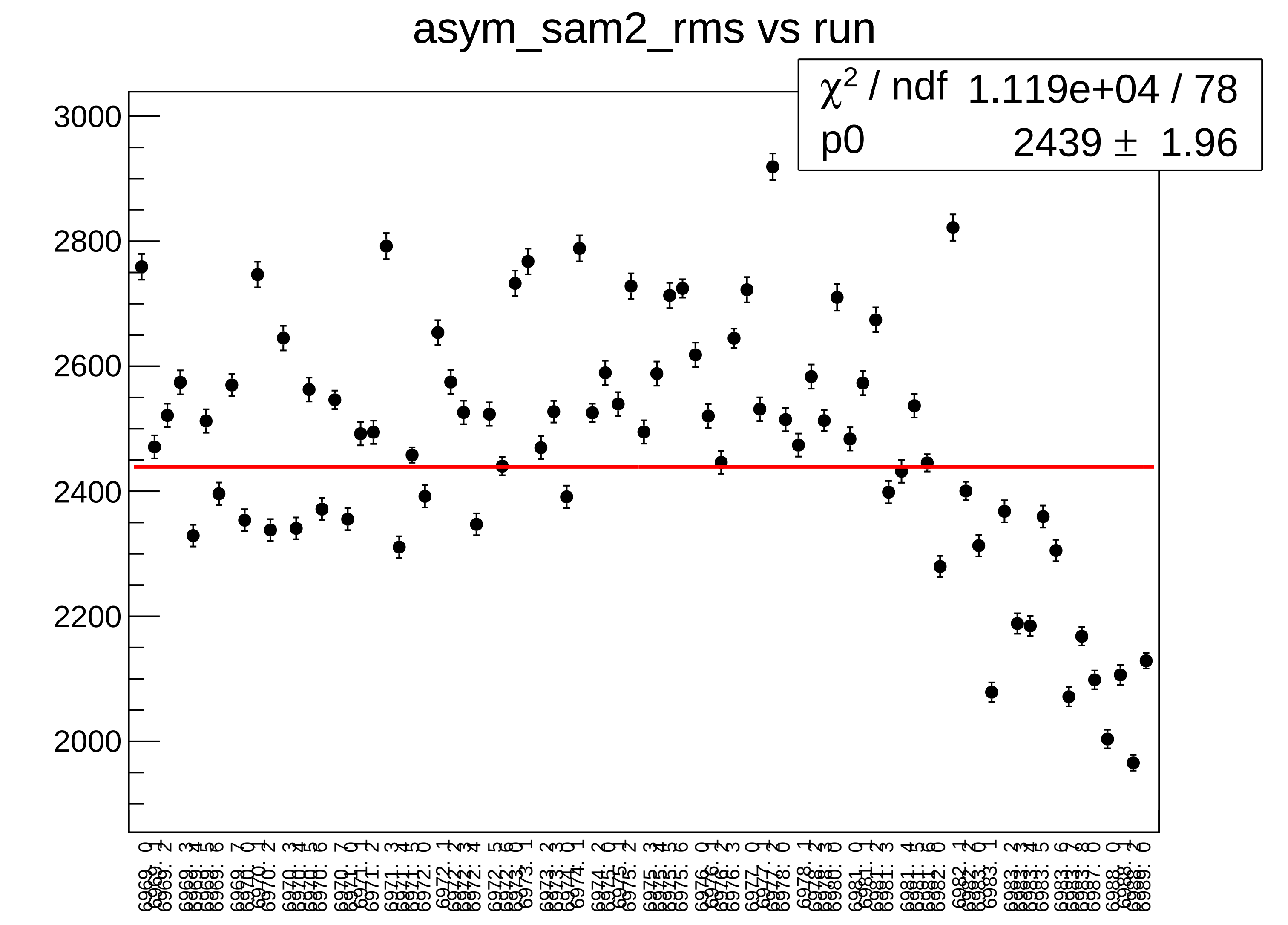
asym_sam2_correction_mean vs run
χ^2 / ndf 80.27 / 78
p0 3479 ± 2794
pull
Entries 79
Mean −226.6
Std Dev 273.9
pull1D
Entries 79
Mean 0.02456
Std Dev 1.008

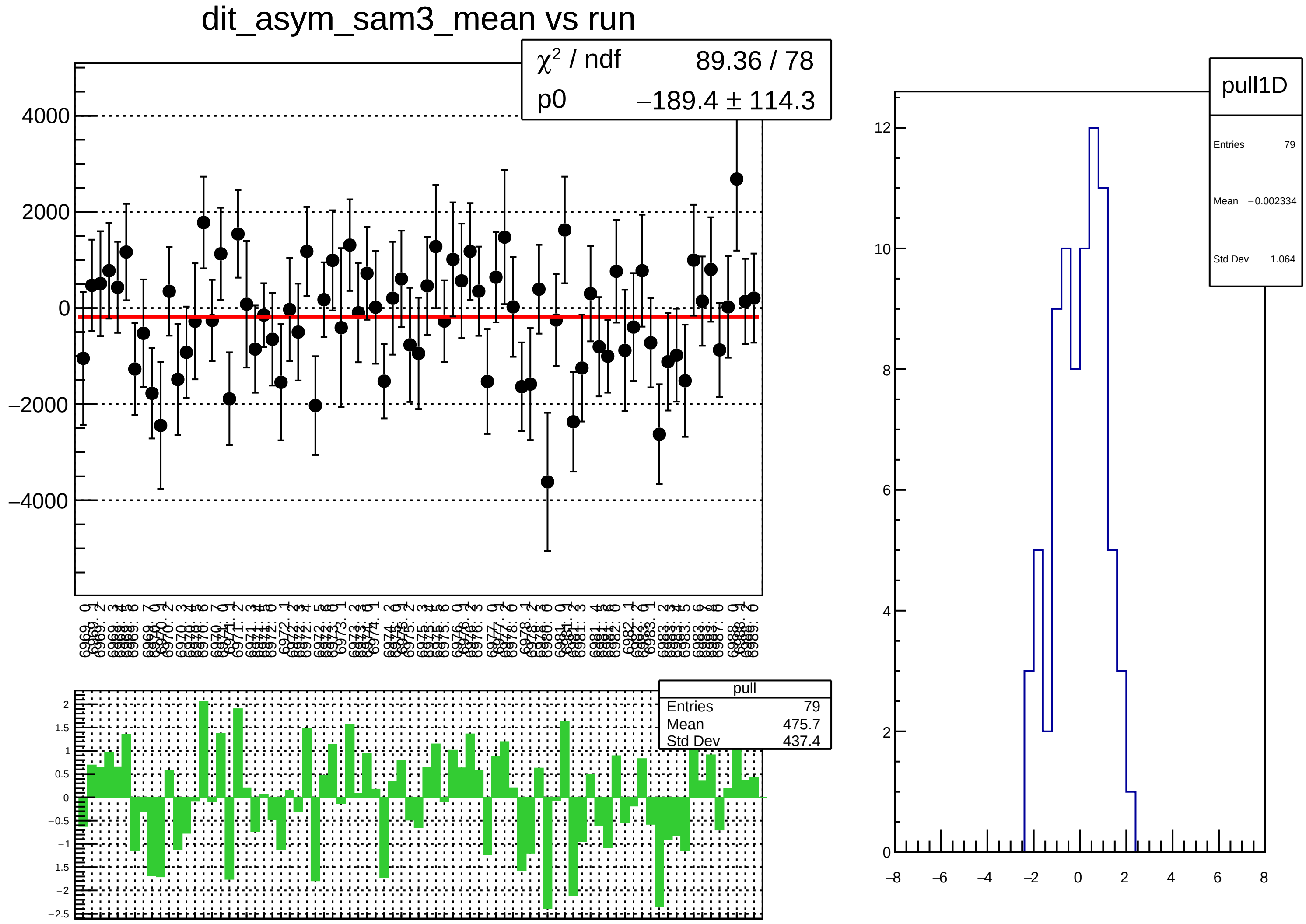


asym_sam2_correction_rms vs run
χ2 / ndf 1.05e+04 / 78
p0 2460 ± 1.976
2800
2600
2400
2200
2000

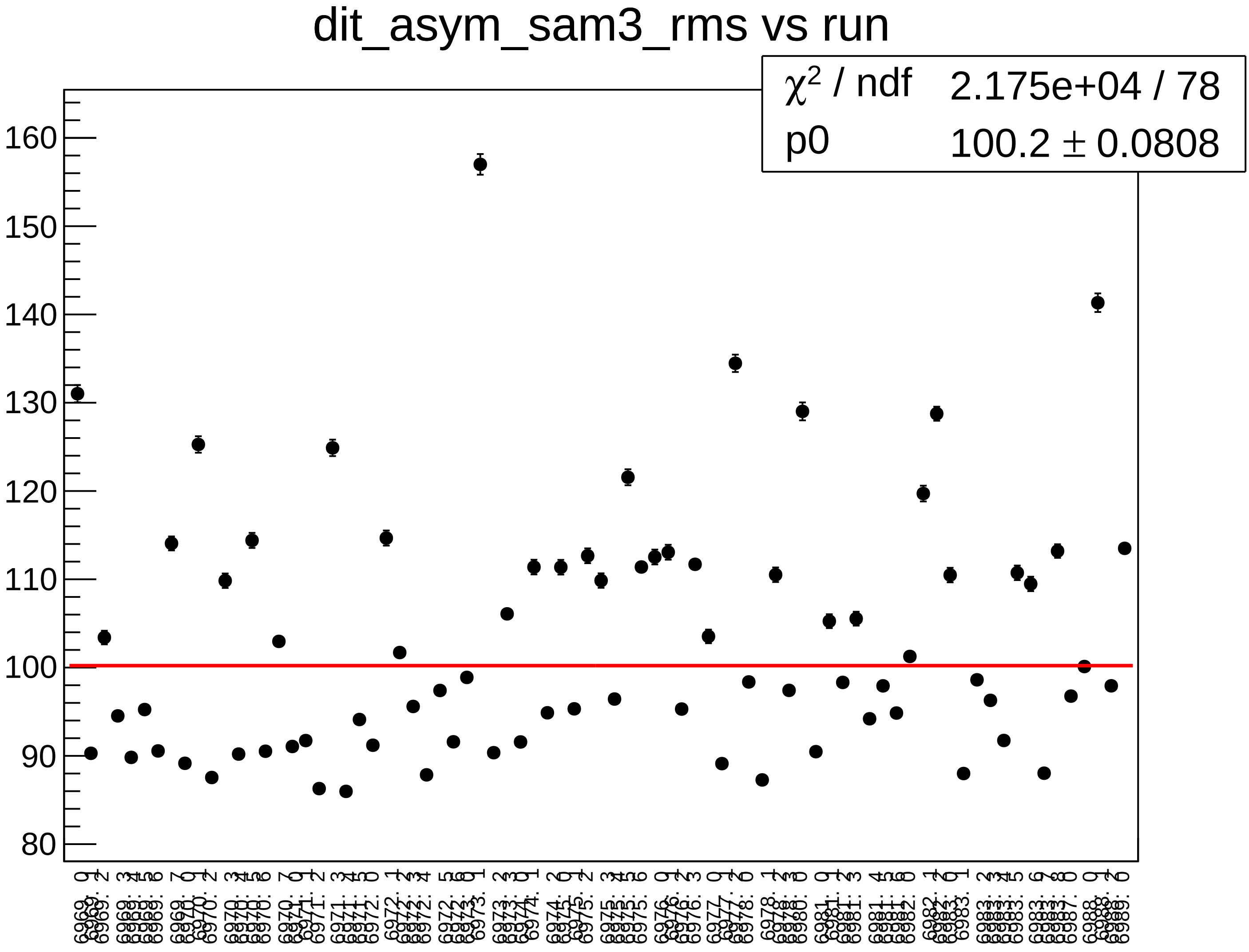


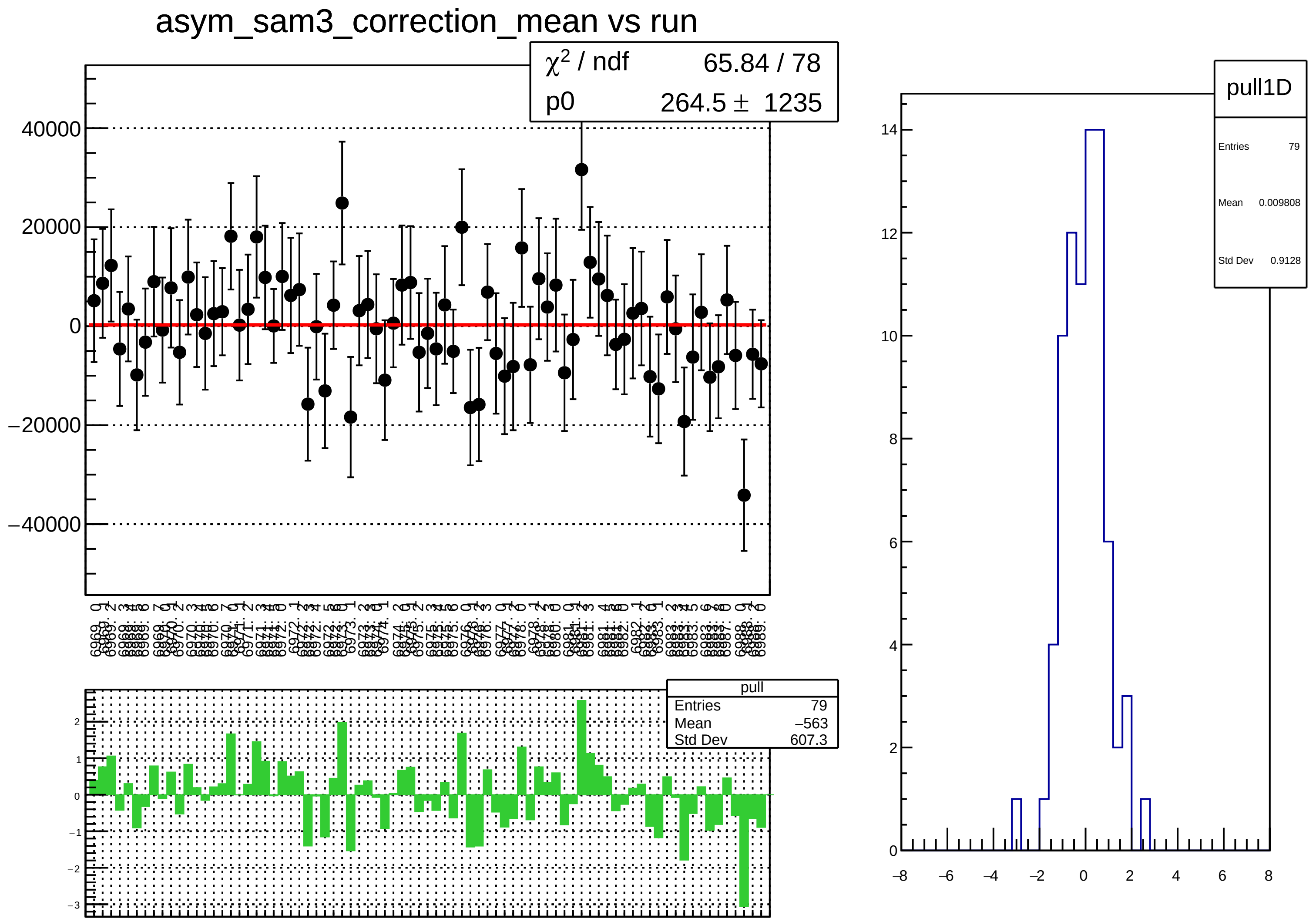
asym_sam2_mean vs run
χ^2 / ndf 83.19 / 78
p0 −3807 ± 2771
pull
Entries 79
Mean −241.5
Std Dev 289
pull1D
Entries 79
Mean −0.02299
Std Dev 1.026


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

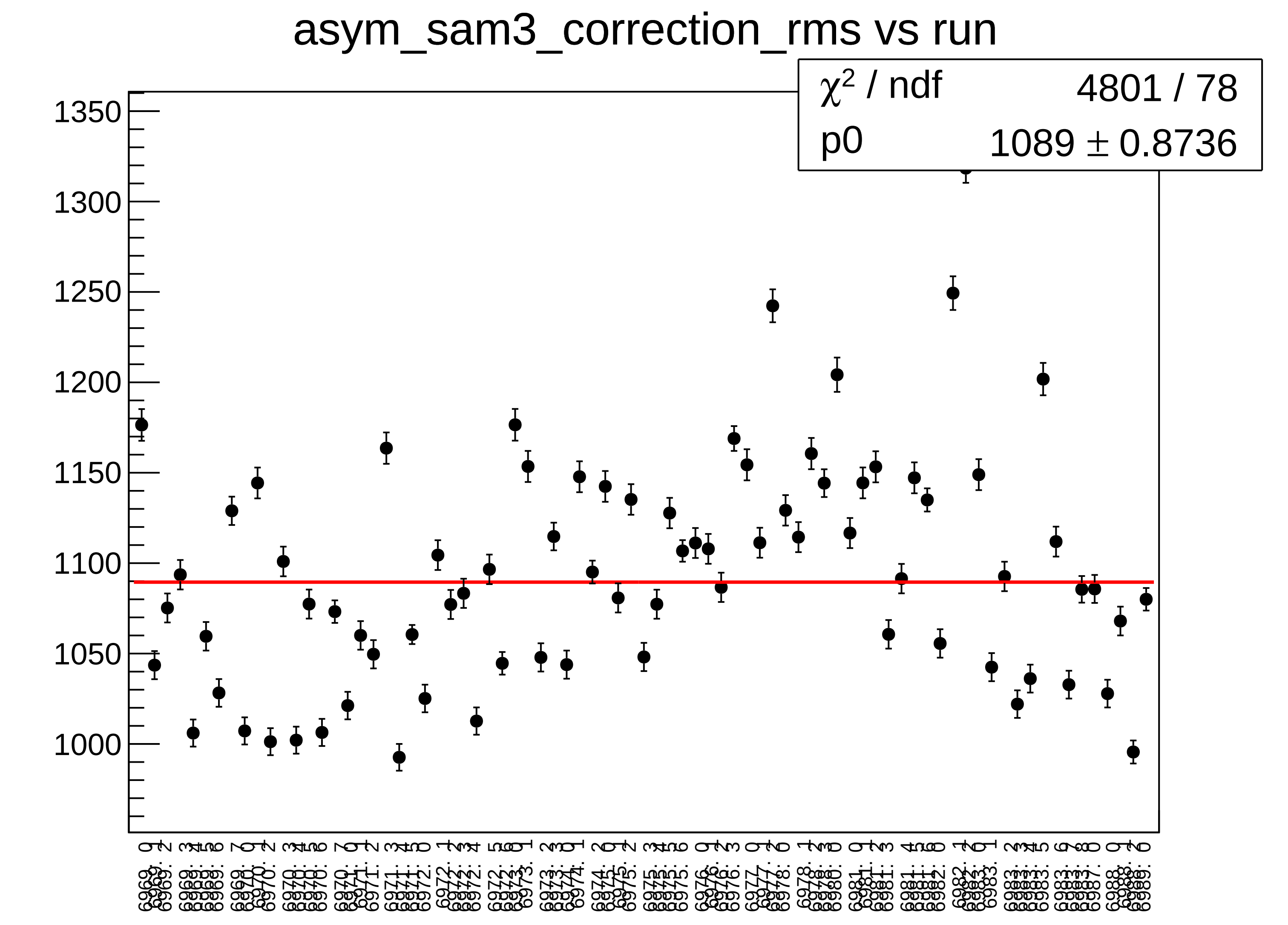


dit_asym_sam3_mean vs run
χ^2 / ndf 89.36 / 78
p0 −189.4 ± 114.3
pull
Entries 79
Mean 475.7
Std Dev 437.4
pull1D
Entries 79
Mean −0.002334
Std Dev 1.064

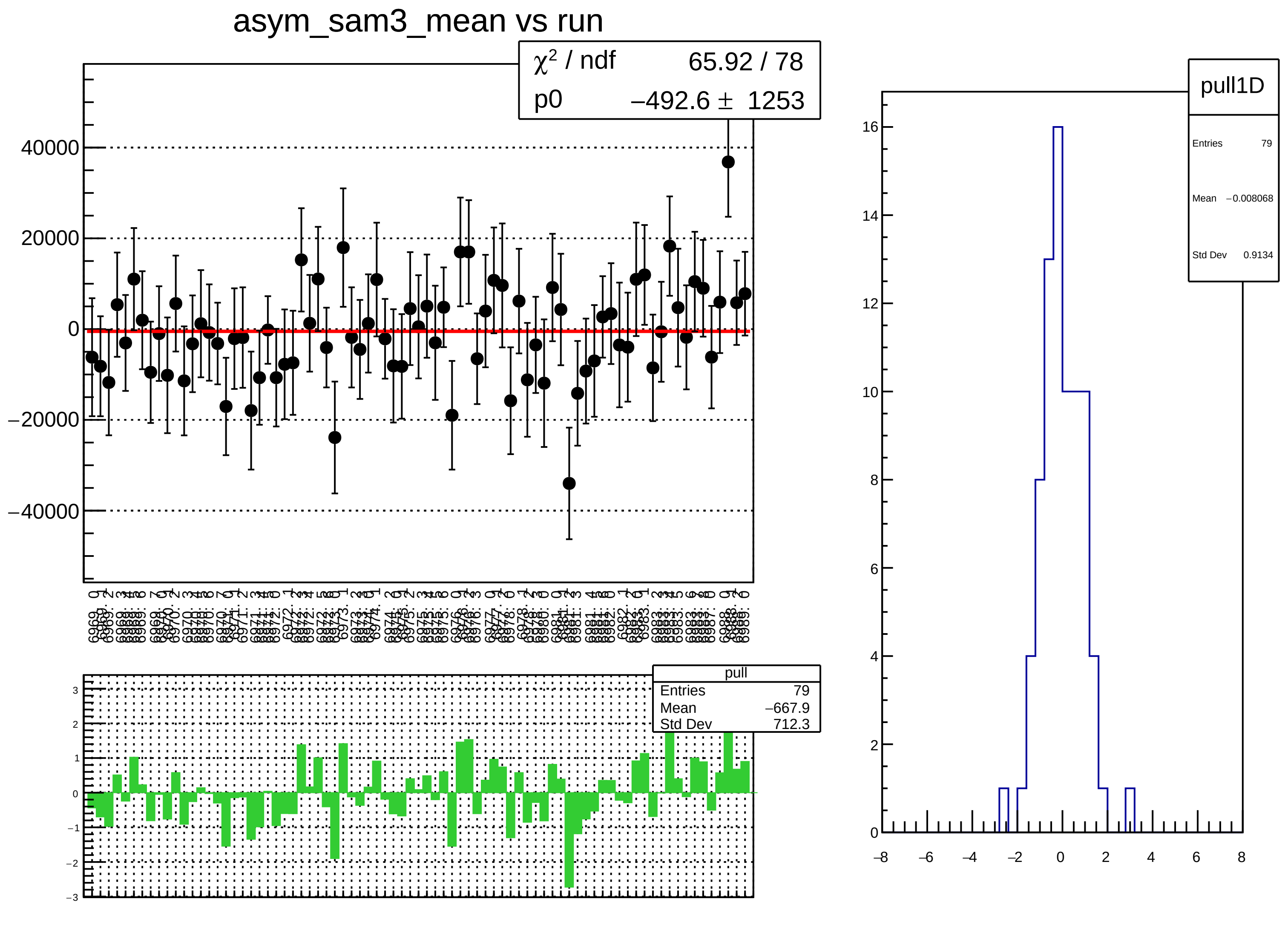

dit_asym_sam3_rms vs run
χ^2 / ndf 2.175e+04 / 78
p0 100.2 ± 0.0808
160
150
140
130
120
110
100
90
80



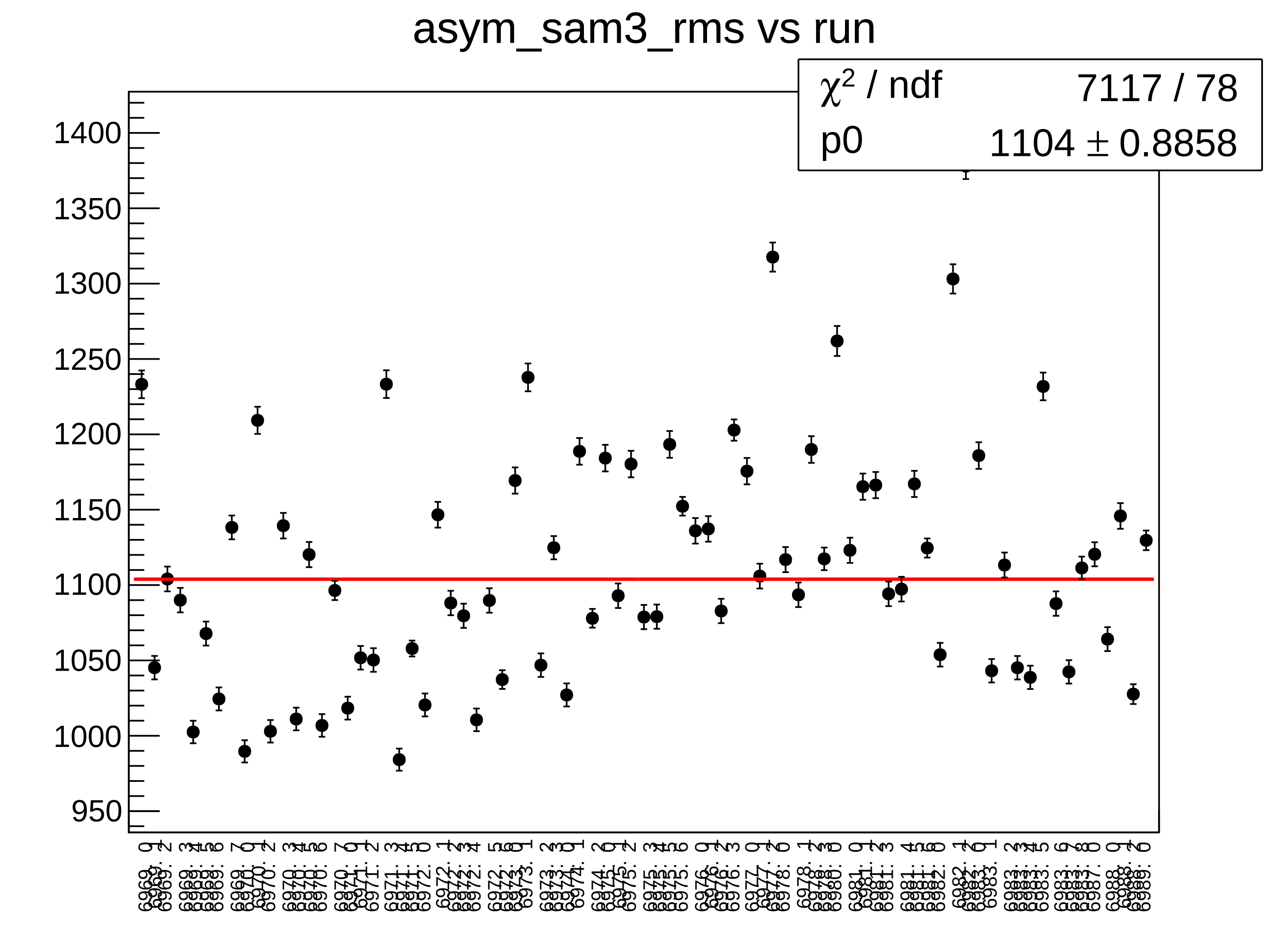
asym_sam3_correction_mean vs run
χ^2 / ndf 65.84 / 78
p0 264.5 ± 1235
pull
Entries 79
Mean −563
Std Dev 607.3
pull1D
Entries 79
Mean 0.009808
Std Dev 0.9128



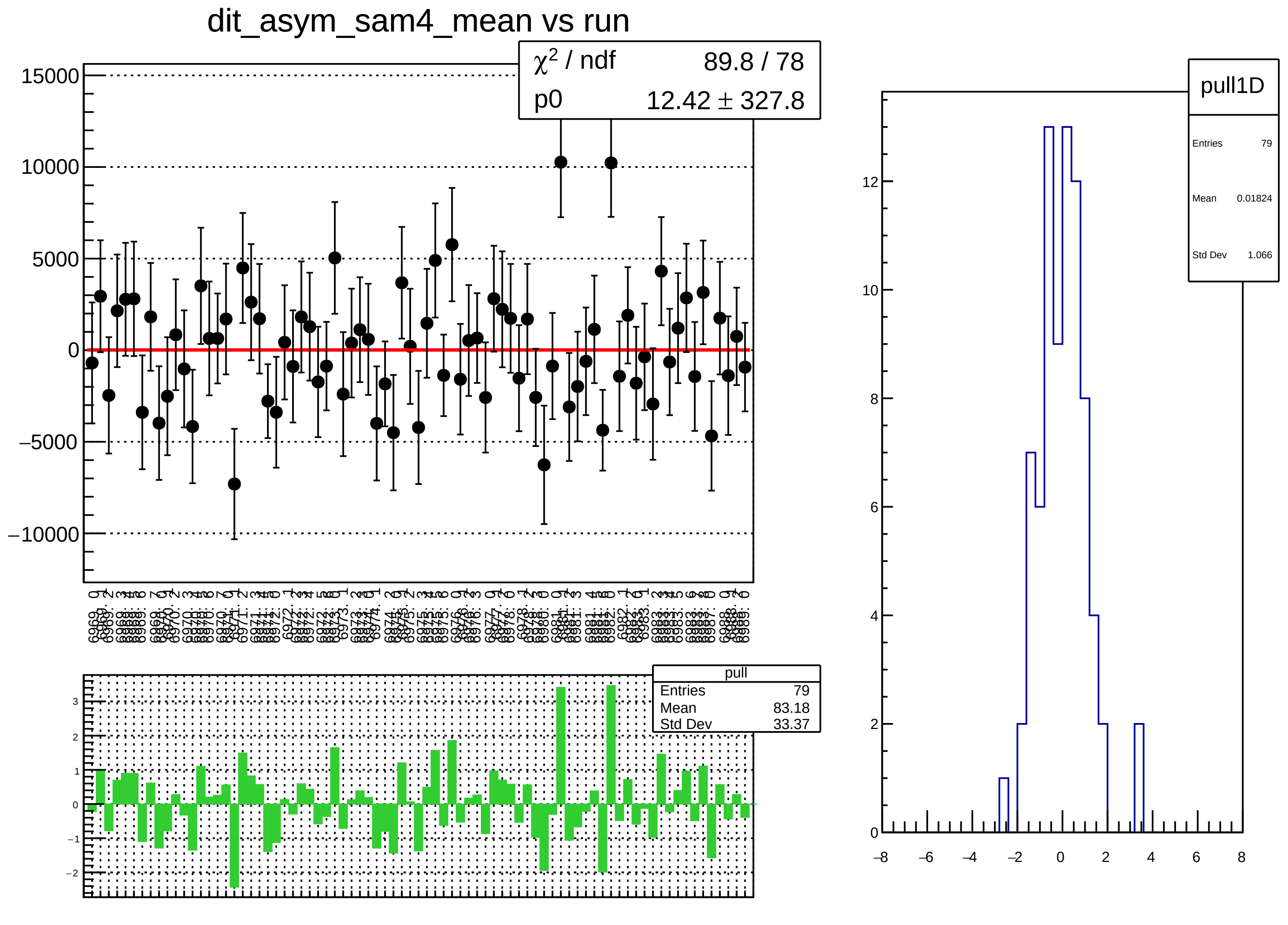
asym_sam3_correction_rms vs run
χ^2 / ndf 4801 / 78
p0 1089 ± 0.8736



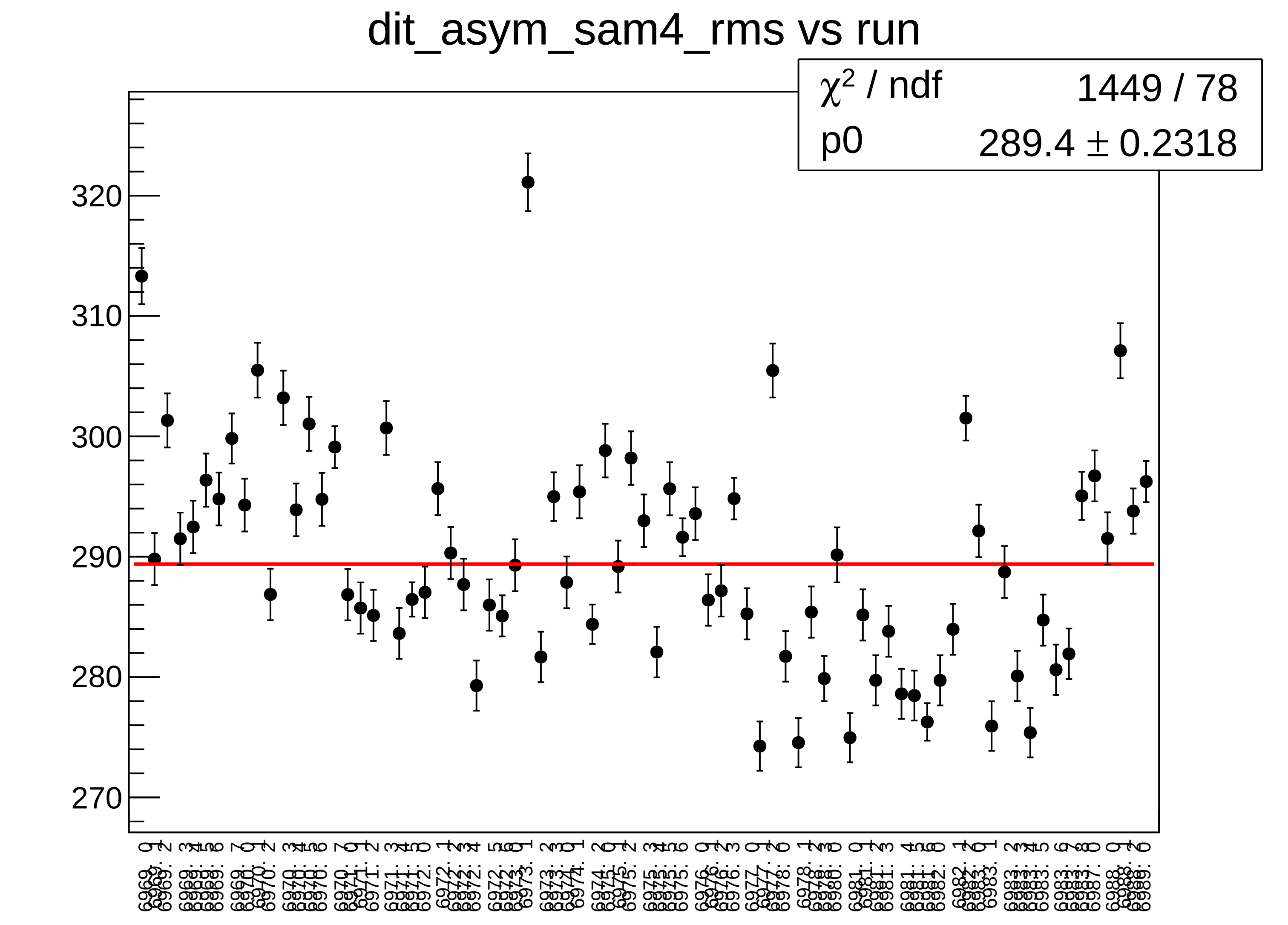
asym_sam3_mean vs run
χ2 / ndf 65.92 / 78
p0 −492.6 ± 1253
pull
Entries 79
Mean −667.9
Std Dev 712.3
pull1D
Entries 79
Mean −0.008068
Std Dev 0.9134



asym_sam3_rms vs run
χ^2 / ndf 7117 / 78
p0 1104 ± 0.8858

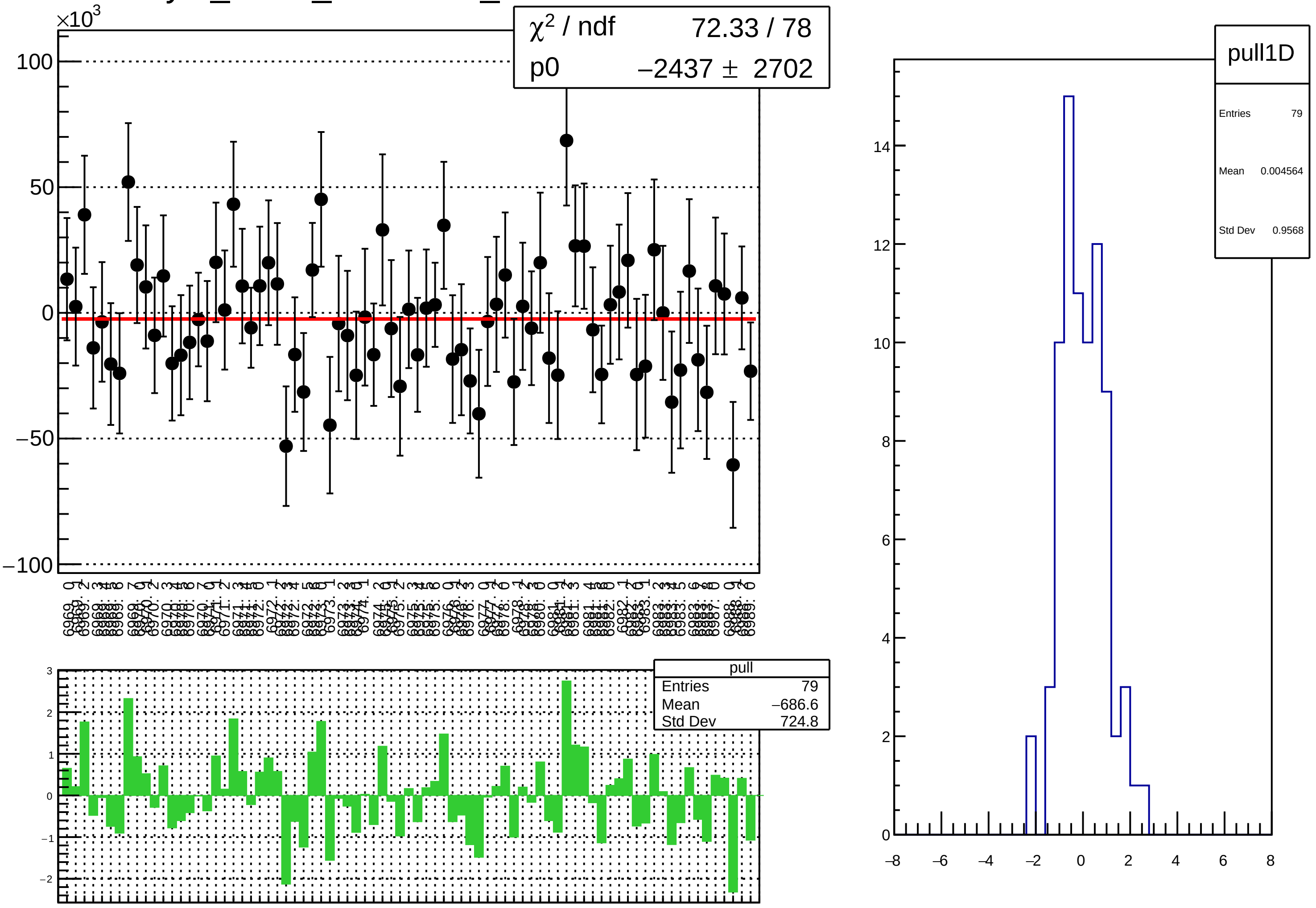


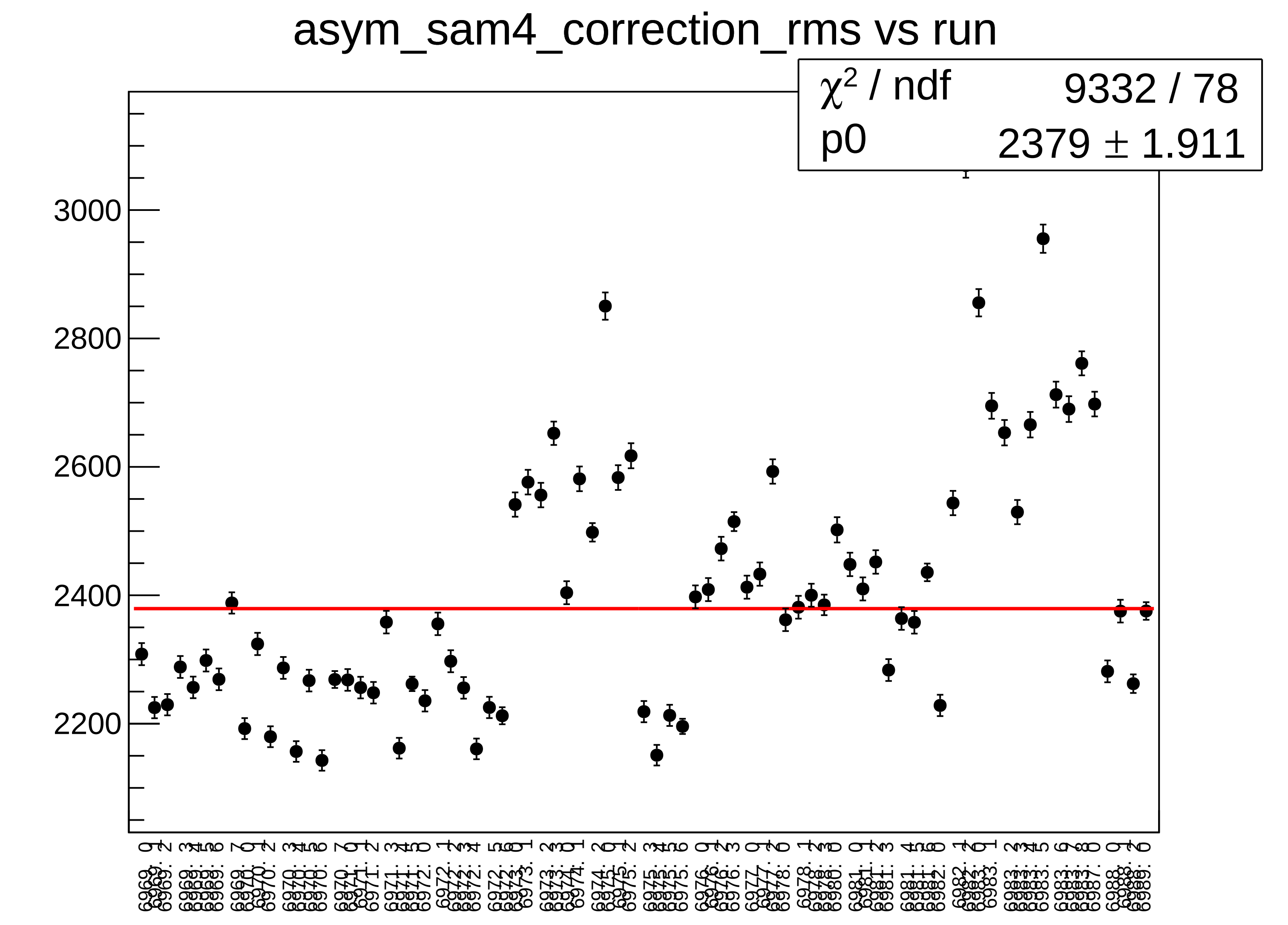
dit_asym_sam4_mean vs run
χ2 / ndf 89.8 / 78
p0 12.42 ± 327.8
pull
Entries 79
Mean 83.18
Std Dev 33.37
pull1D
Entries 79
Mean 0.01824
Std Dev 1.066

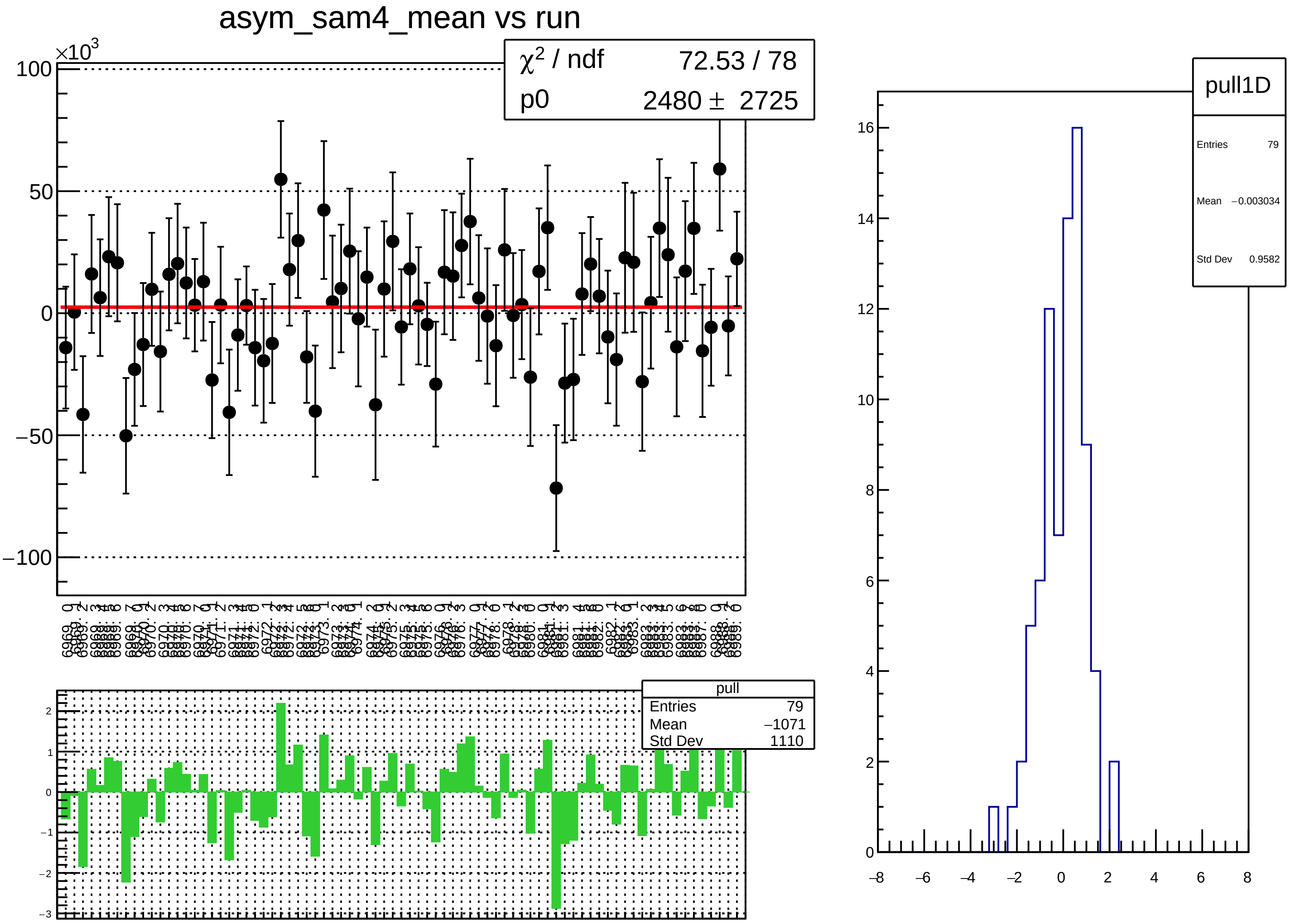


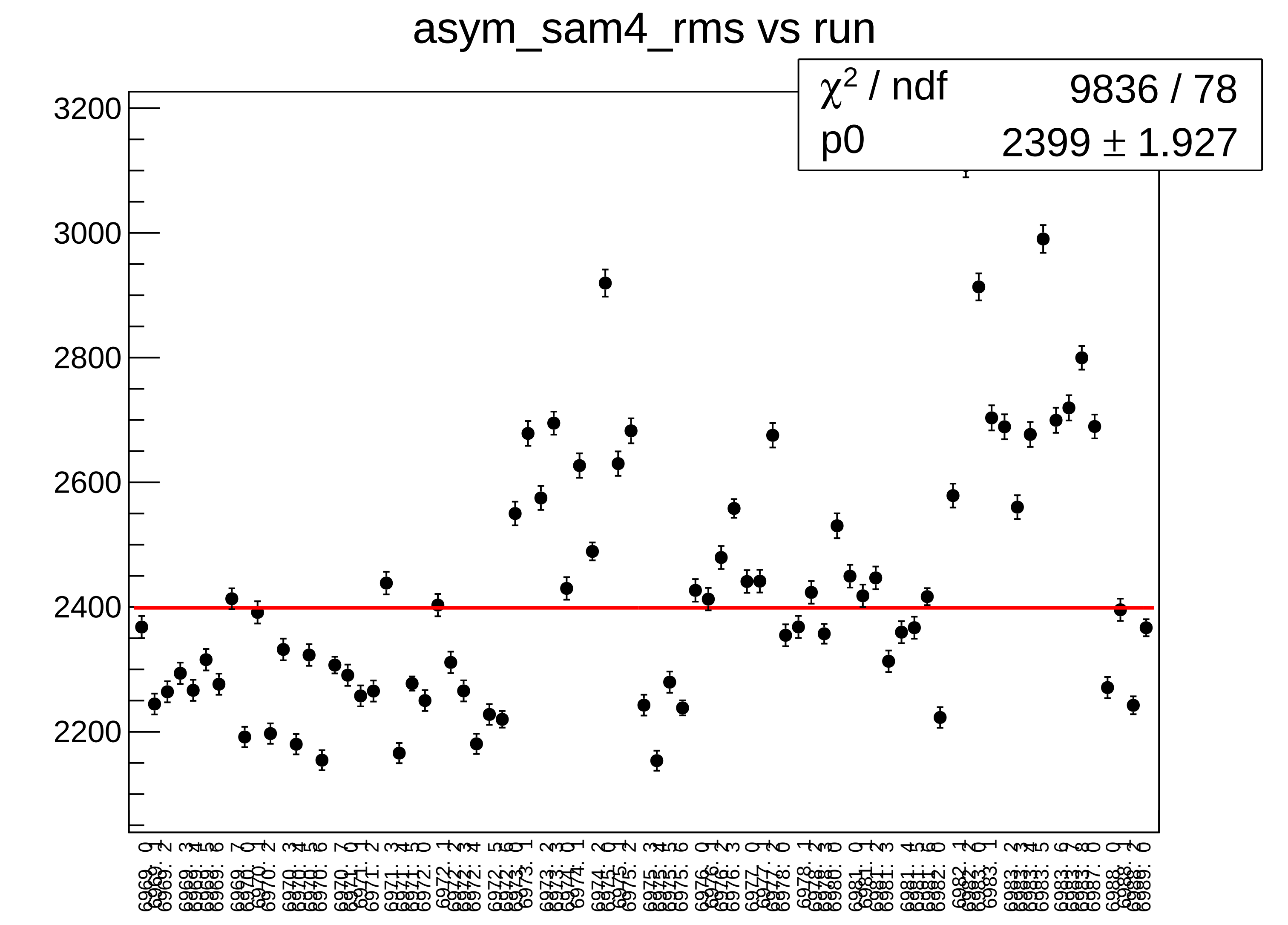
dit_asym_sam4_rms vs run
χ2 / ndf 1449 / 78
p0 289.4 ± 0.2318
320
310
300
290
280
270

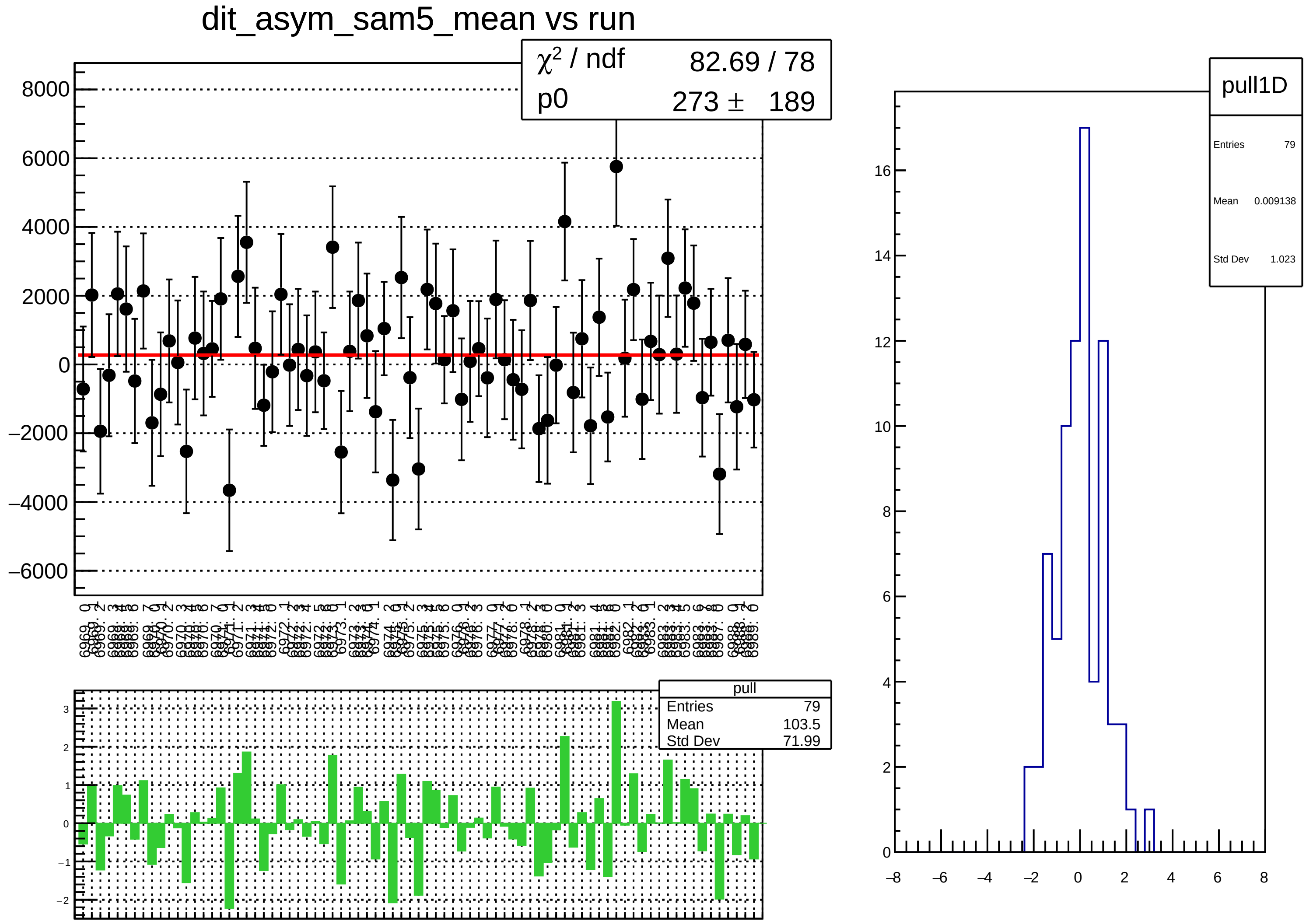
asym_sam4_correction_mean vs run



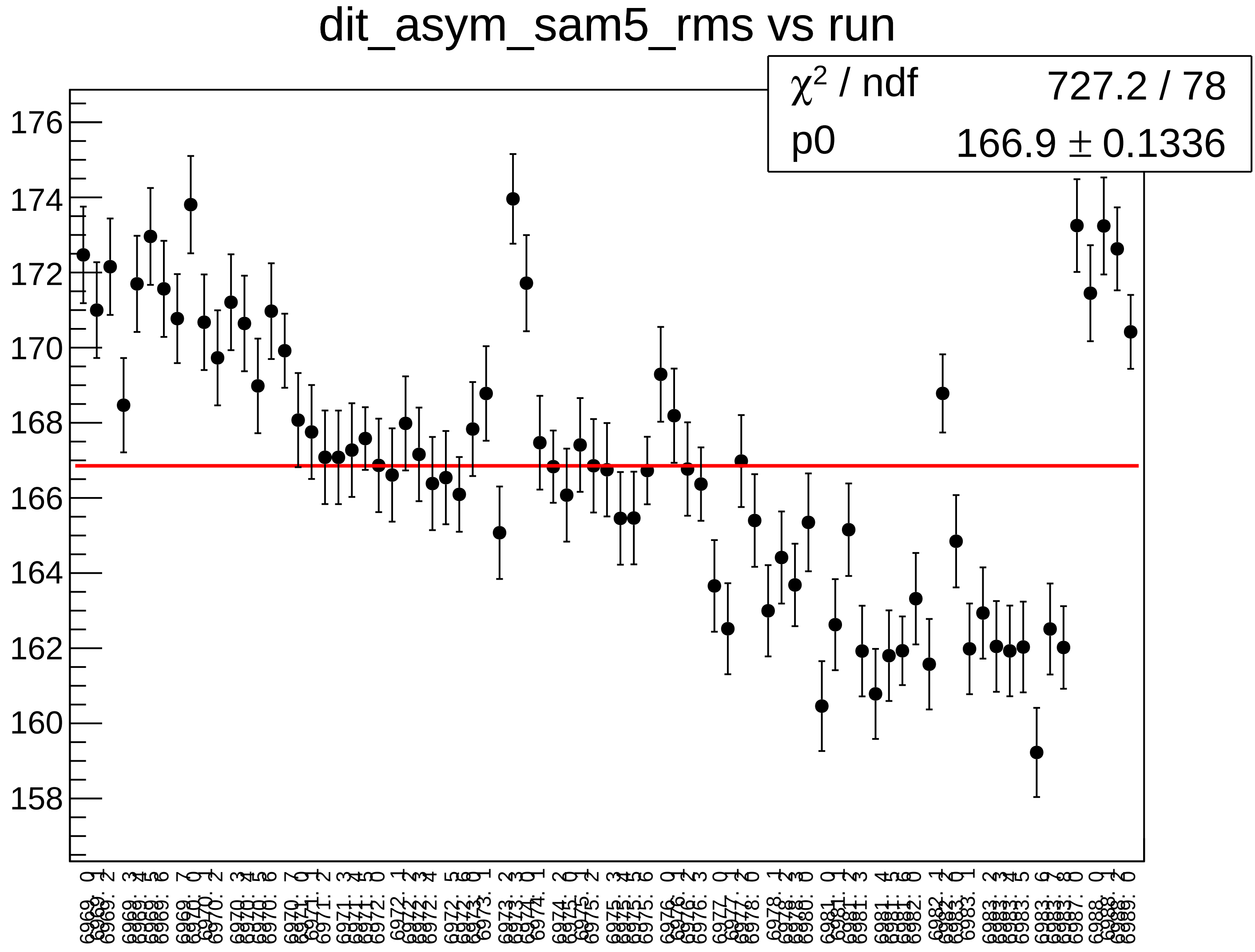

asym_sam4_correction_rms vs run
χ^2 / ndf 9332 / 78
p0 2379 ± 1.911
3000
2800
2600
2400
2200


asym_sam4_mean vs run
$\times10^{3}$
χ^2 / ndf 72.53 / 78
p0 2480 ± 2725
100
50
0
−50
−100
pull
Entries 79
Mean −1071
Std Dev 1110
pull1D
Entries 79
Mean −0.003034
Std Dev 0.9582

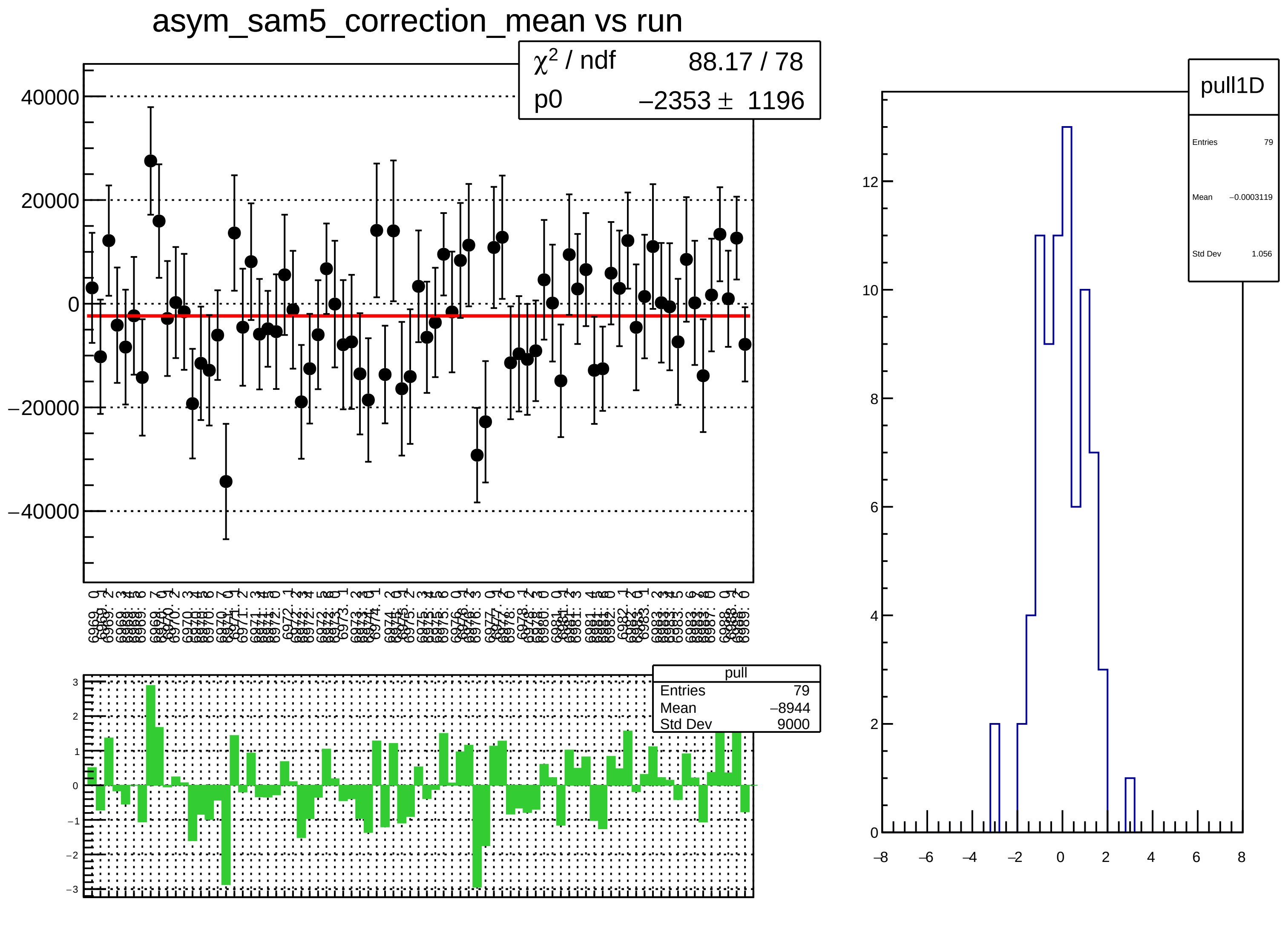

asym_sam4_rms vs run
χ2 / ndf 9836 / 78
p0 2399 ± 1.927
3200
3000
2800
2600
2400
2200

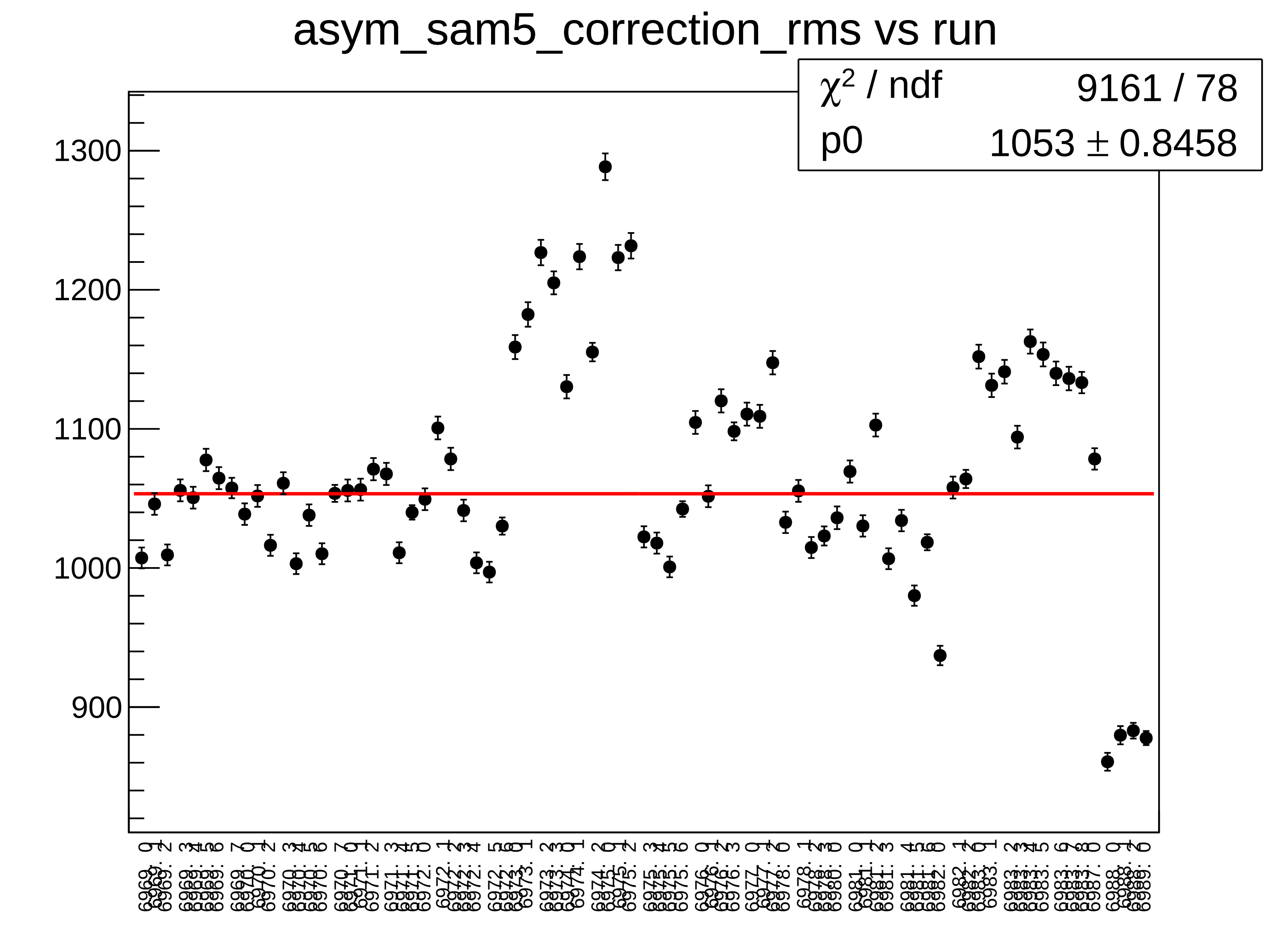


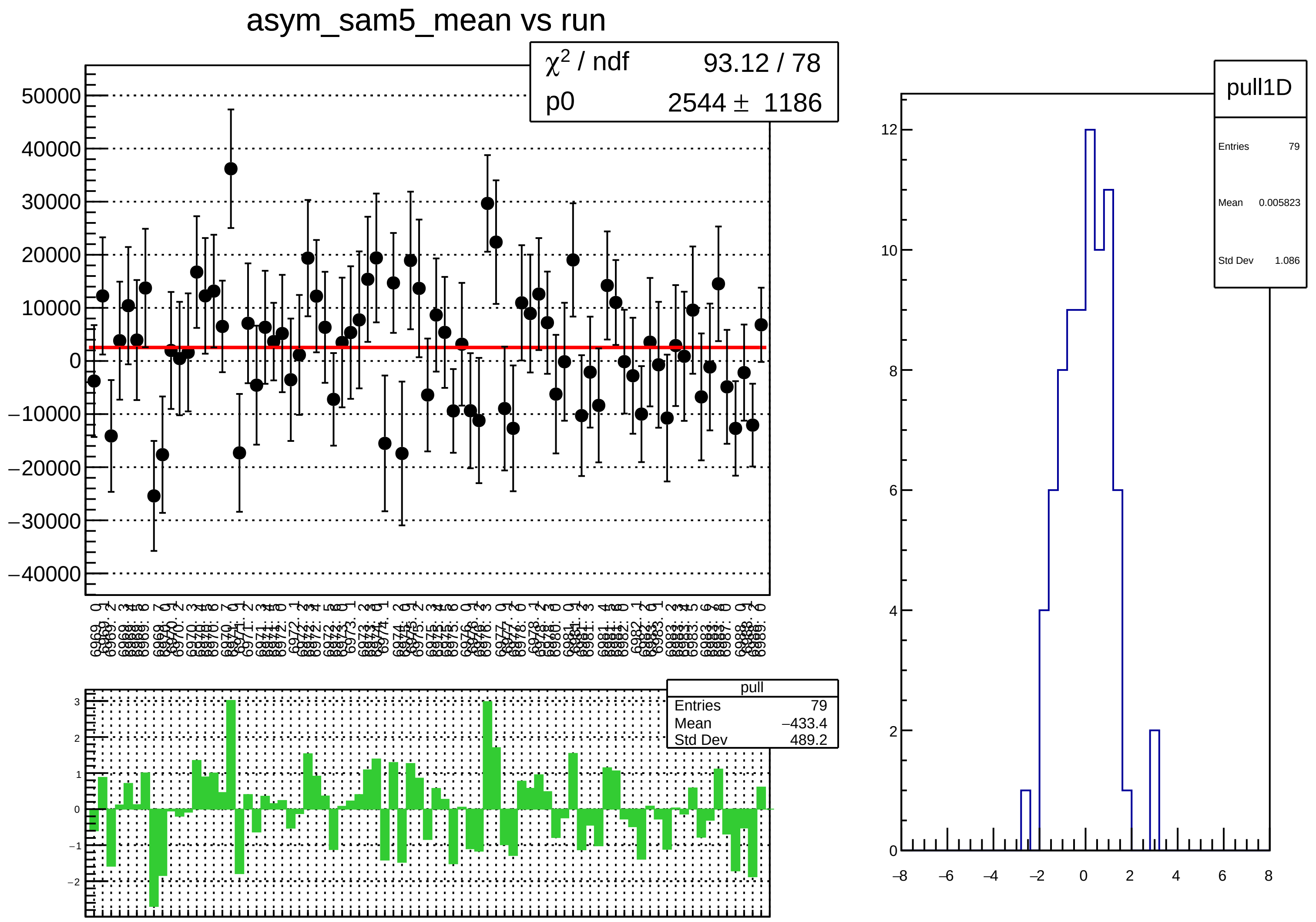
dit_asym_sam5_mean vs run
χ^2 / ndf 82.69 / 78
p0 273 ± 189
pull
Entries 79
Mean 103.5
Std Dev 71.99
pull1D
Entries 79
Mean 0.009138
Std Dev 1.023



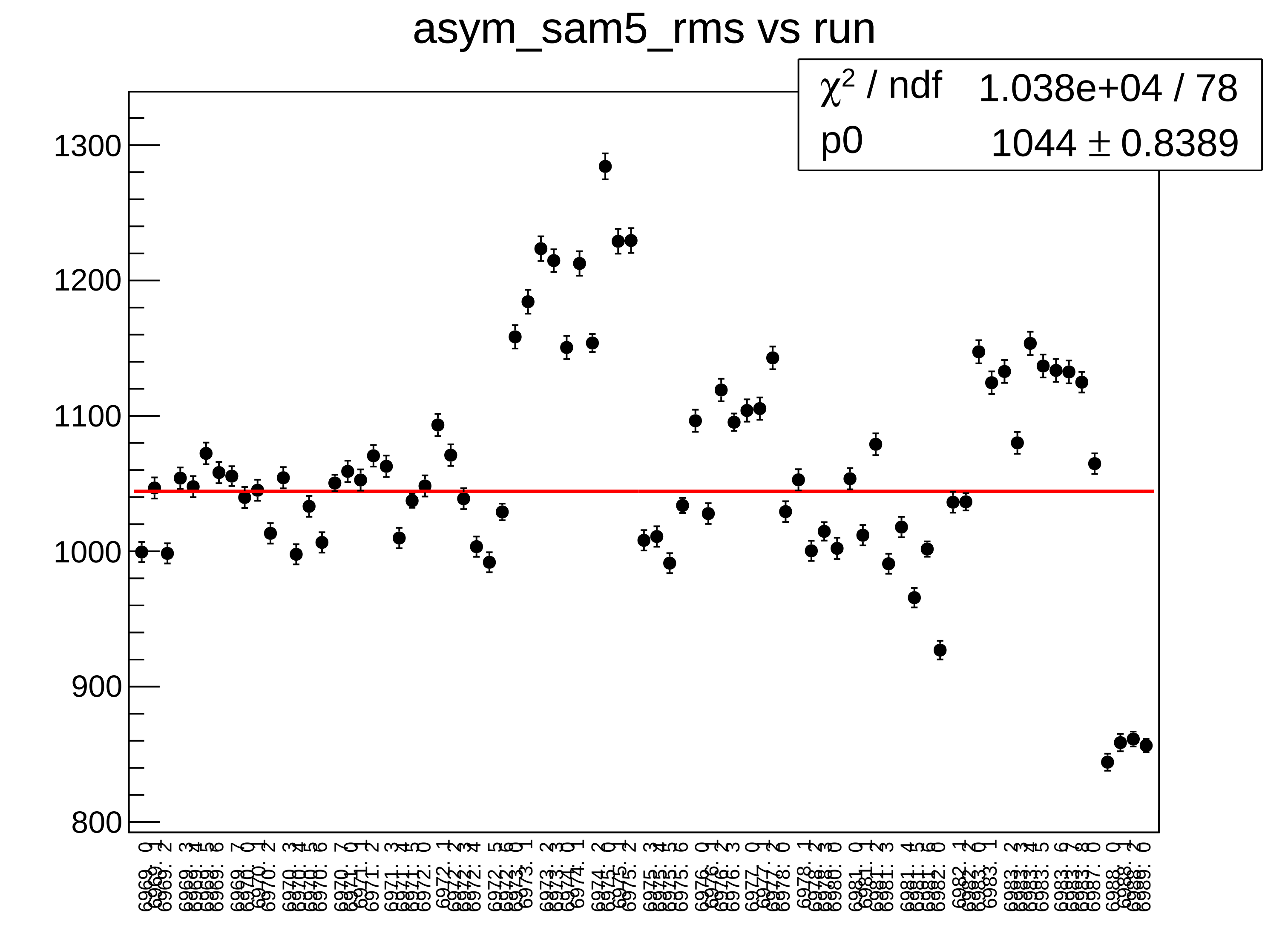
dit_asym_sam5_rms vs run
χ^2 / ndf 727.2 / 78
p0 166.9 ± 0.1336
176
174
172
170
168
166
164
162
160
158


asym_sam5_correction_mean vs run
χ2 / ndf 88.17 / 78
p0 −2353 ± 1196
40000
20000
0
−20000
−40000
pull
Entries 79
Mean −8944
Std Dev 9000
3
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean −0.0003119
Std Dev 1.056
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_correction_rms vs run
χ^2 / ndf 9161 / 78
p0 1053 ± 0.8458
1300
1200
1100
1000
900

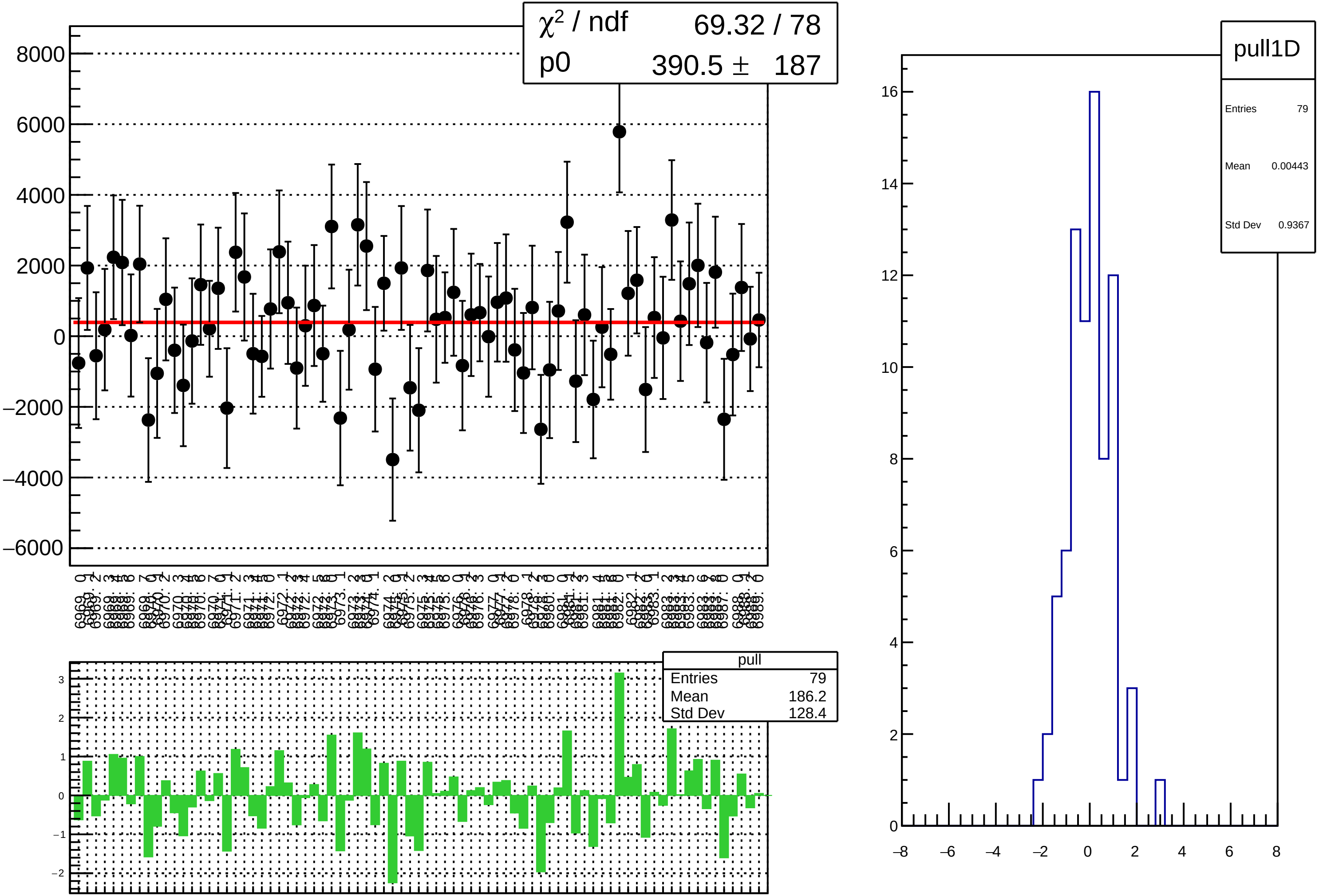


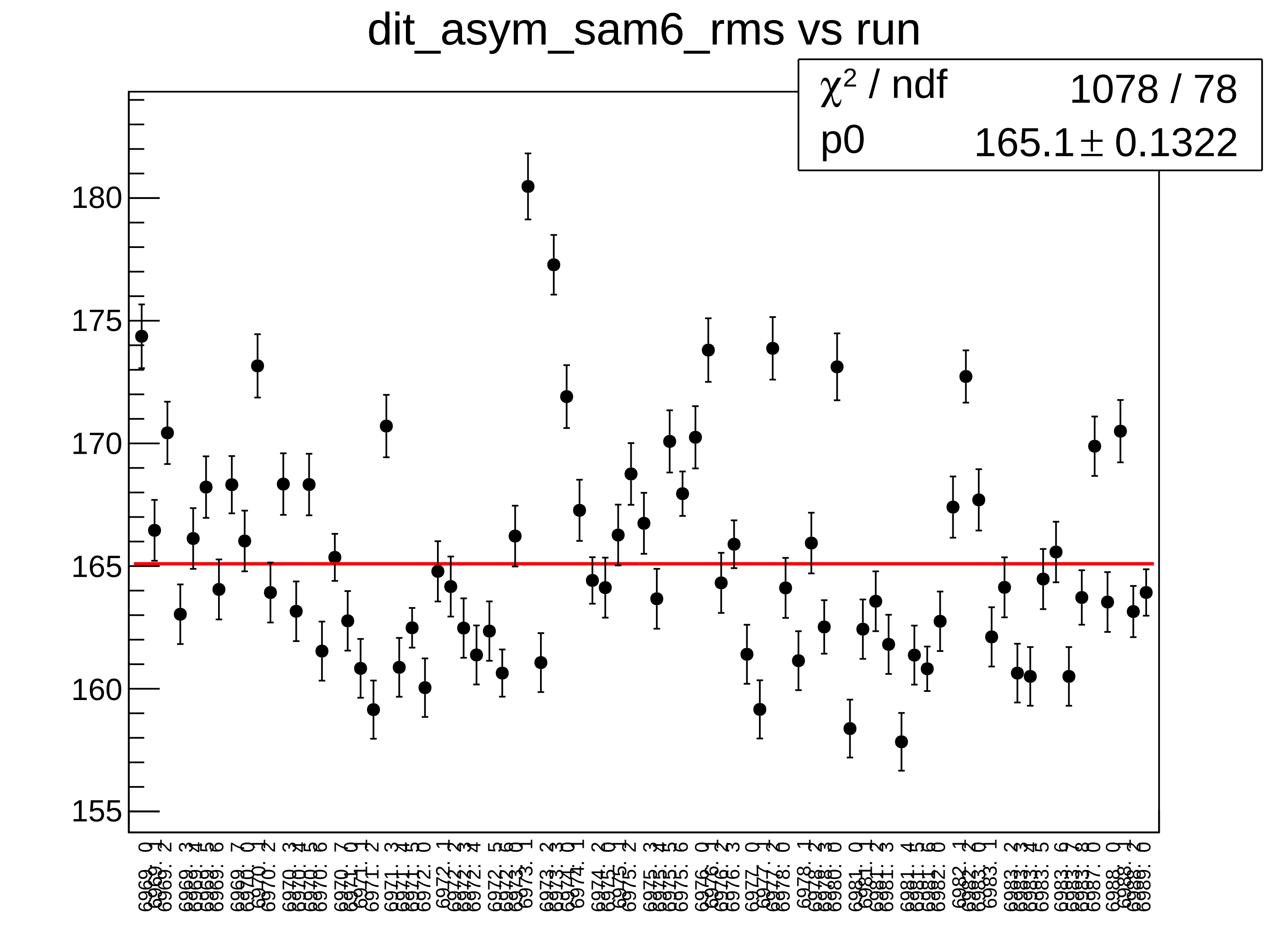
asym_sam5_mean vs run
χ^2 / ndf 93.12 / 78
p0 2544 ± 1186
pull
Entries 79
Mean −433.4
Std Dev 489.2
pull1D
Entries 79
Mean 0.005823
Std Dev 1.086

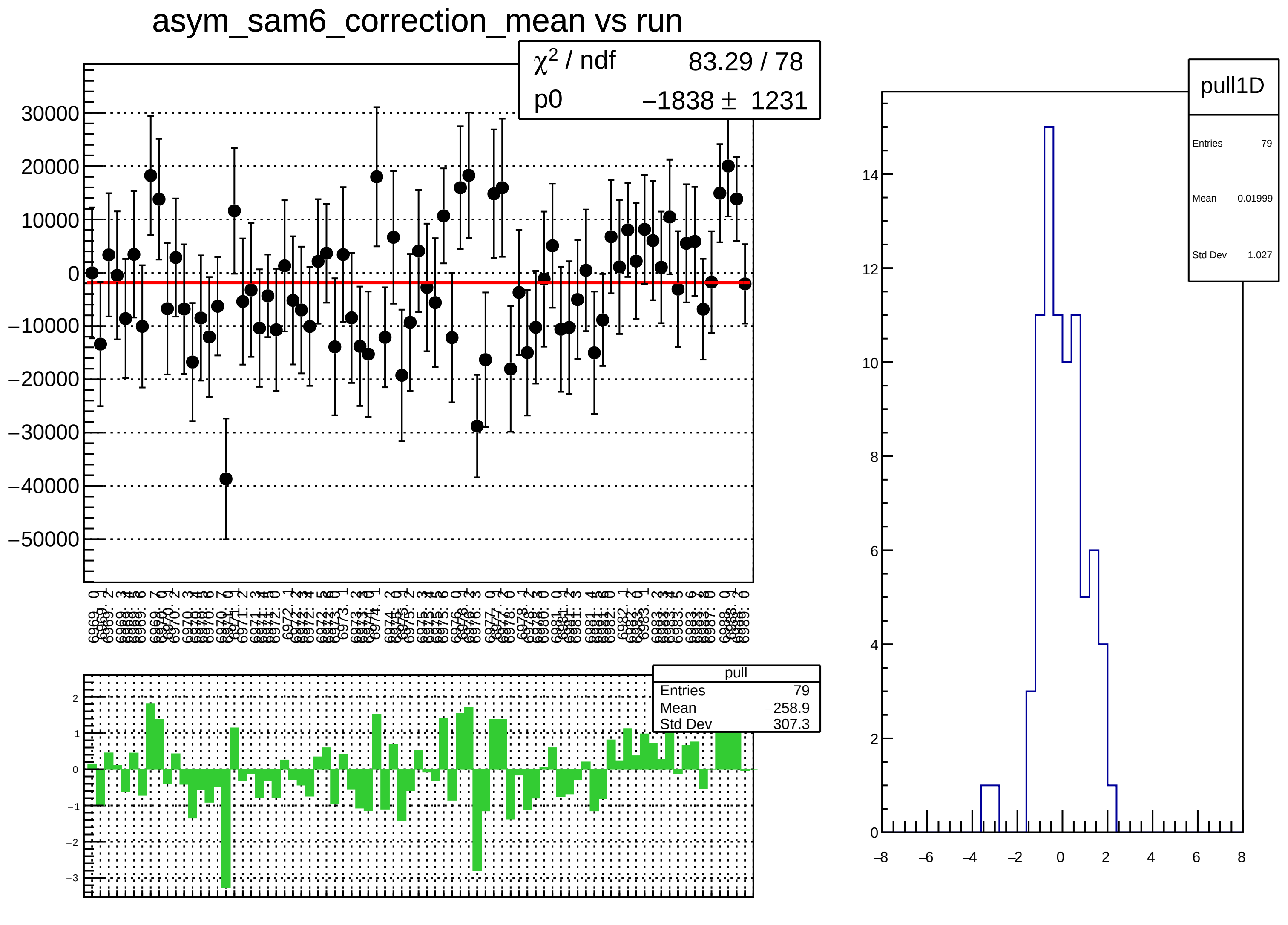


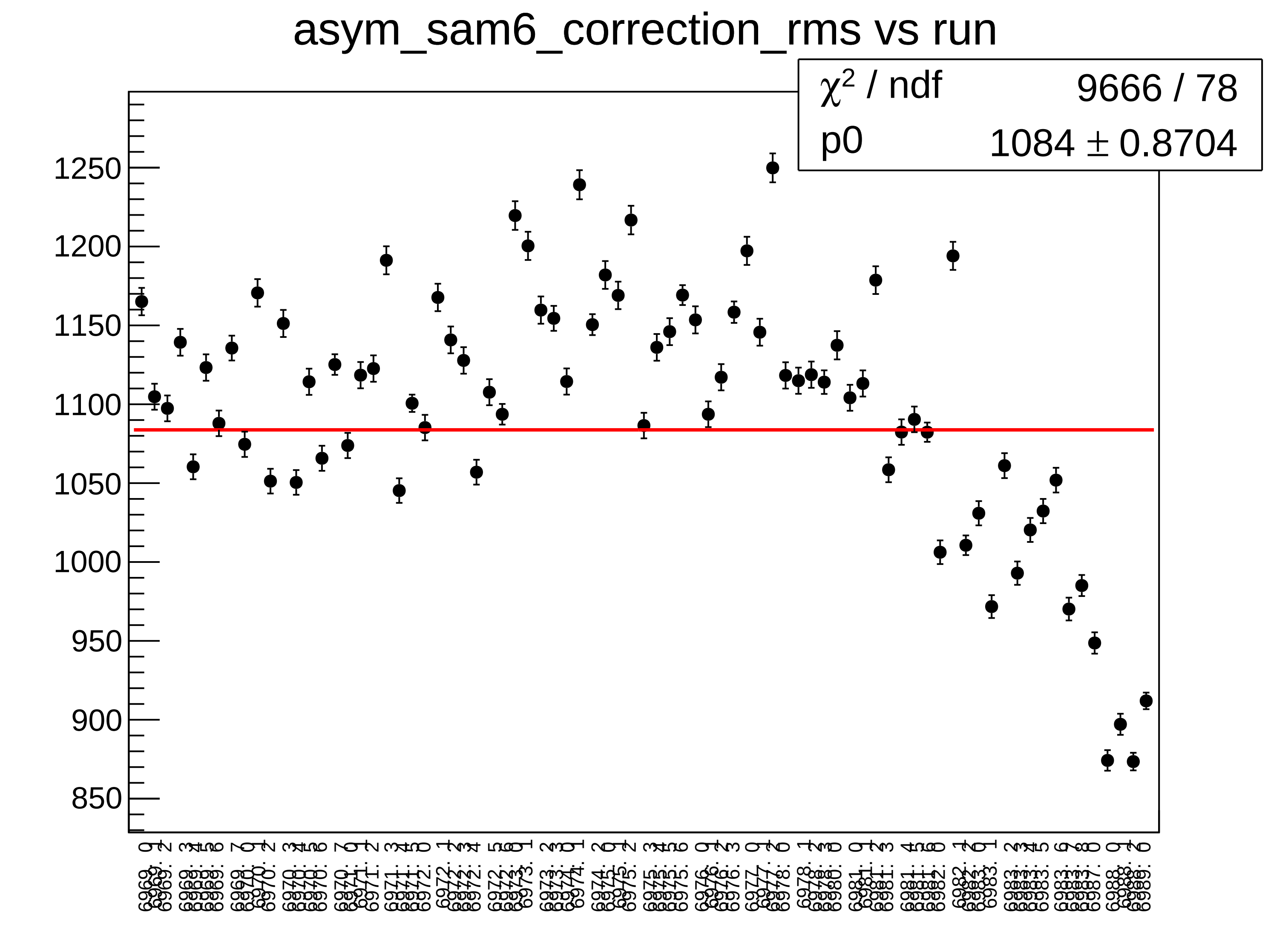
asym_sam5_rms vs run
χ^2 / ndf 1.038e+04 / 78
p0 1044 ± 0.8389
1300
1200
1100
1000
900
800

dit_asym_sam6_mean vs run

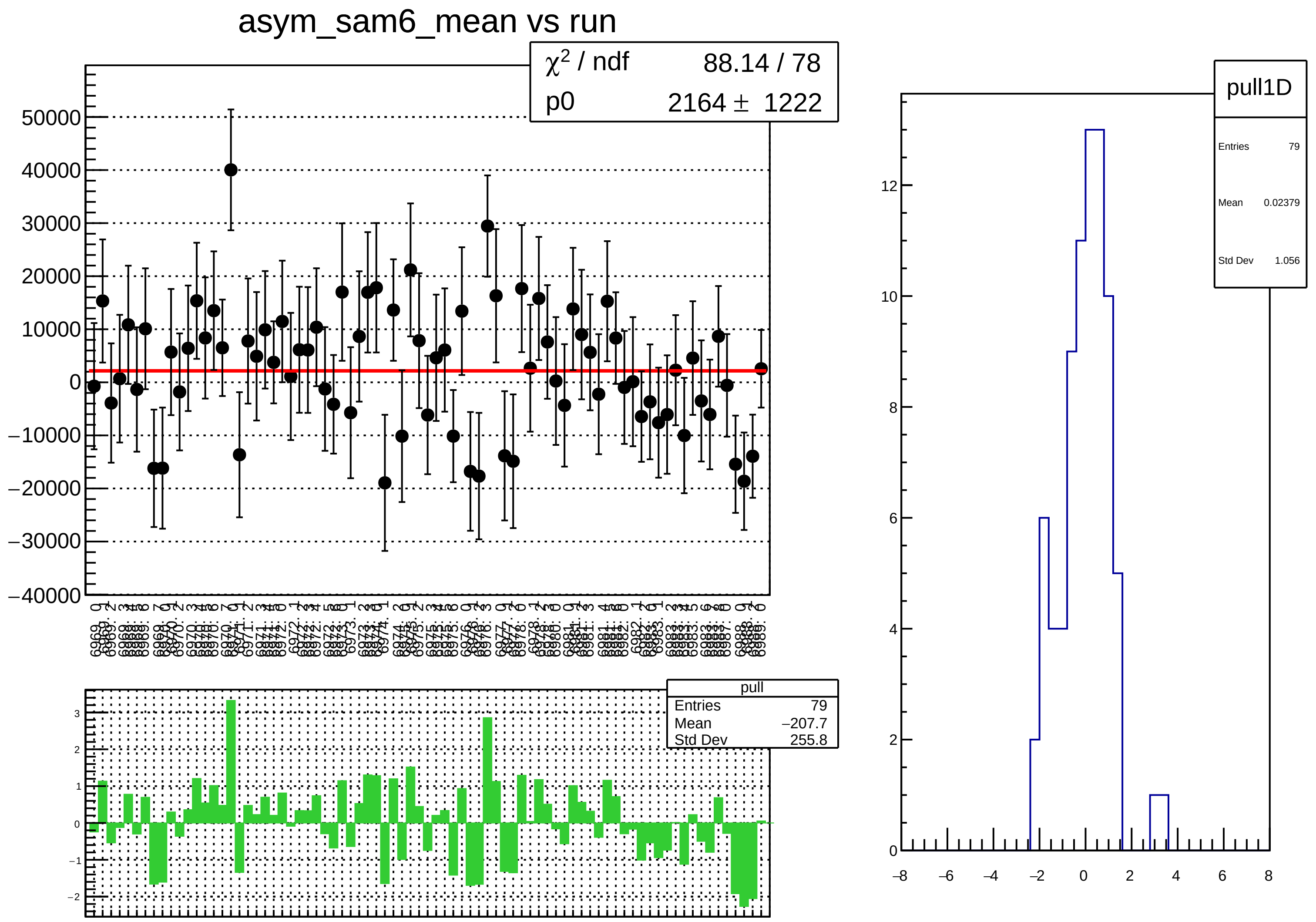



dit_asym_sam6_rms vs run
χ2 / ndf 1078 / 78
p0 165.1 ± 0.1322
180
175
170
165
160
155

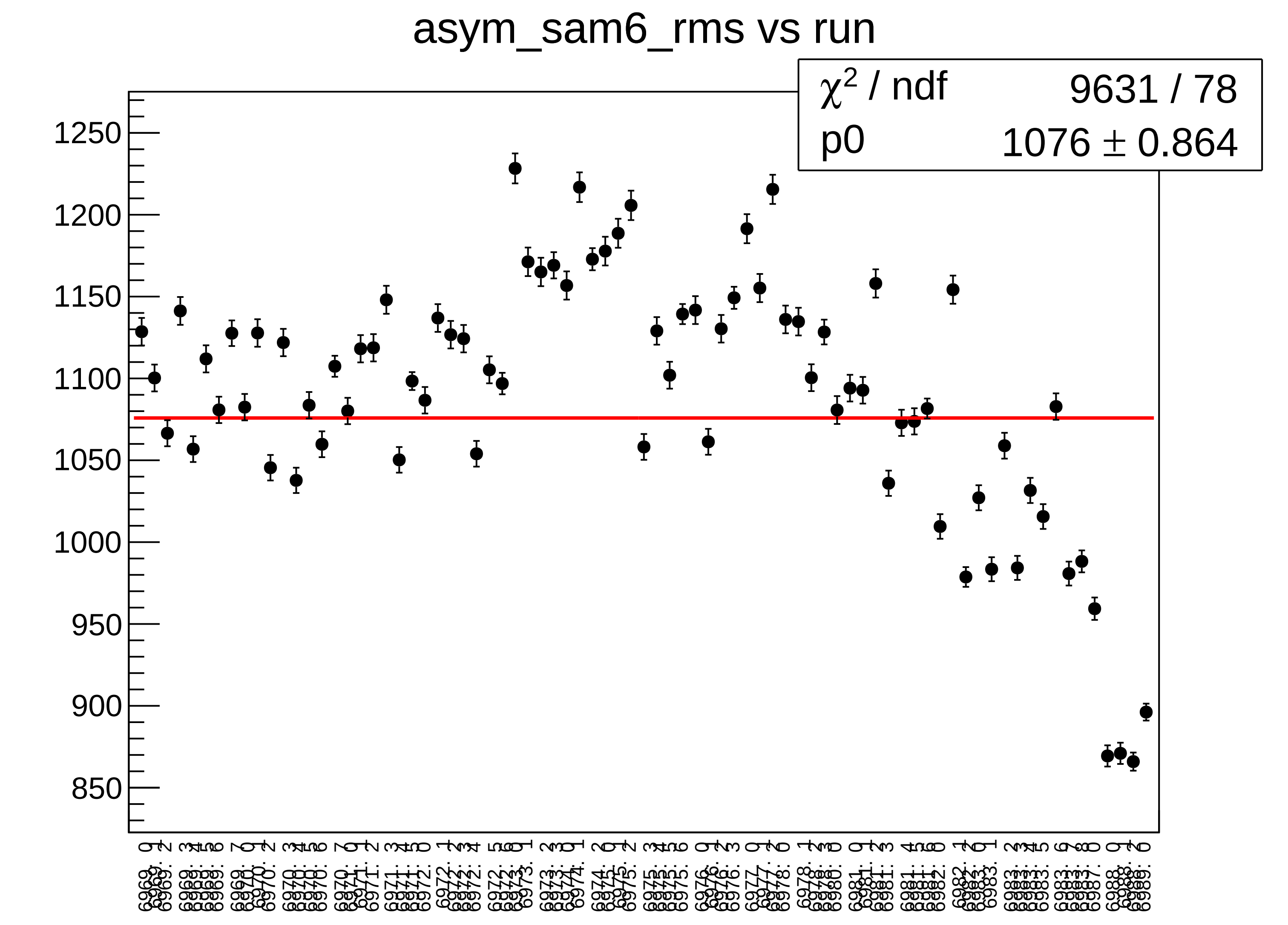

asym_sam6_correction_mean vs run
χ2 / ndf 83.29 / 78
p0 −1838 ± 1231
pull
Entries 79
Mean −258.9
Std Dev 307.3
pull1D
Entries 79
Mean −0.01999
Std Dev 1.027



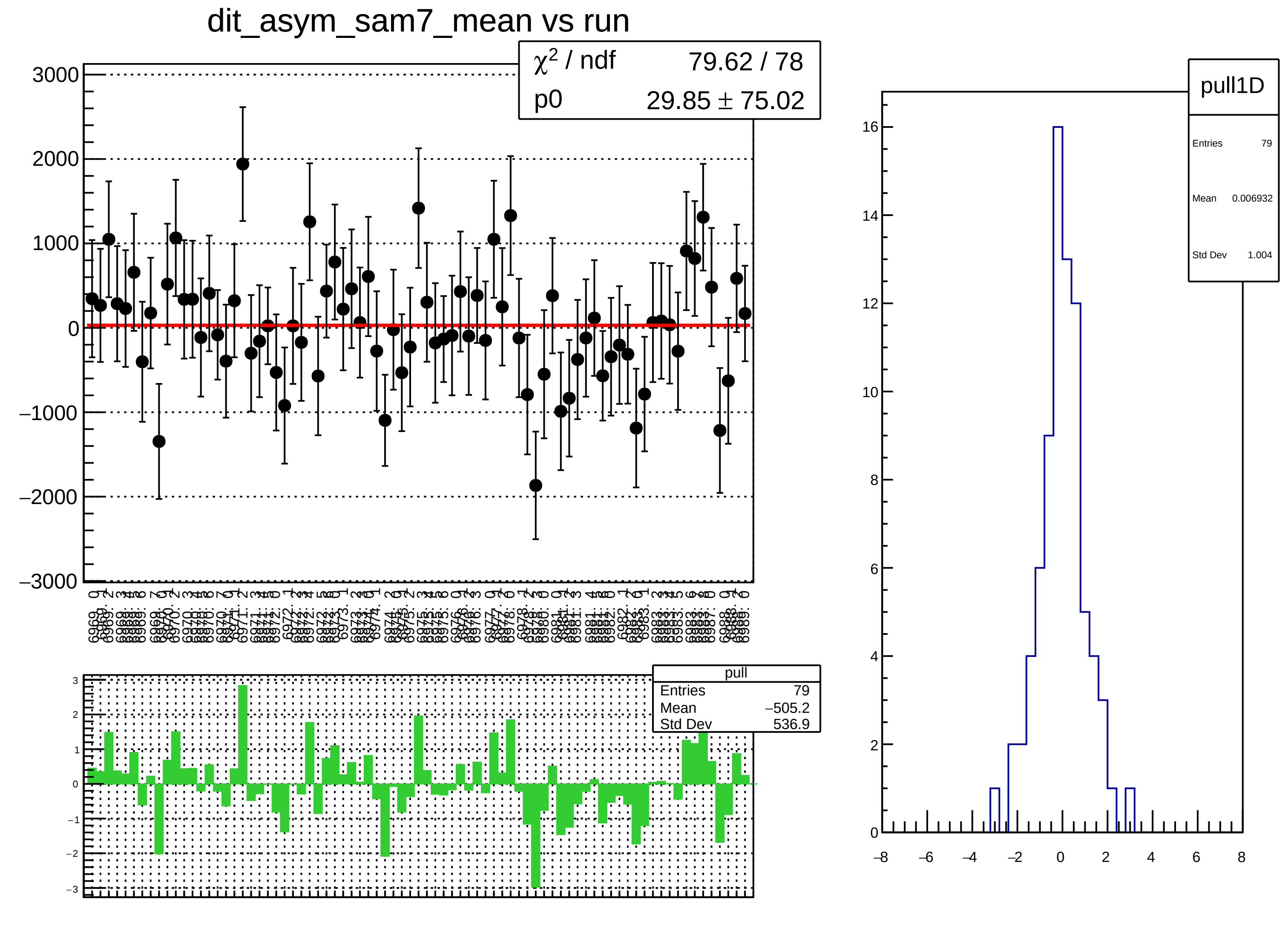
asym_sam6_correction_rms vs run
χ2 / ndf 9666 / 78
p0 1084 ± 0.8704
1250
1200
1150
1100
1050
1000
950
900
850

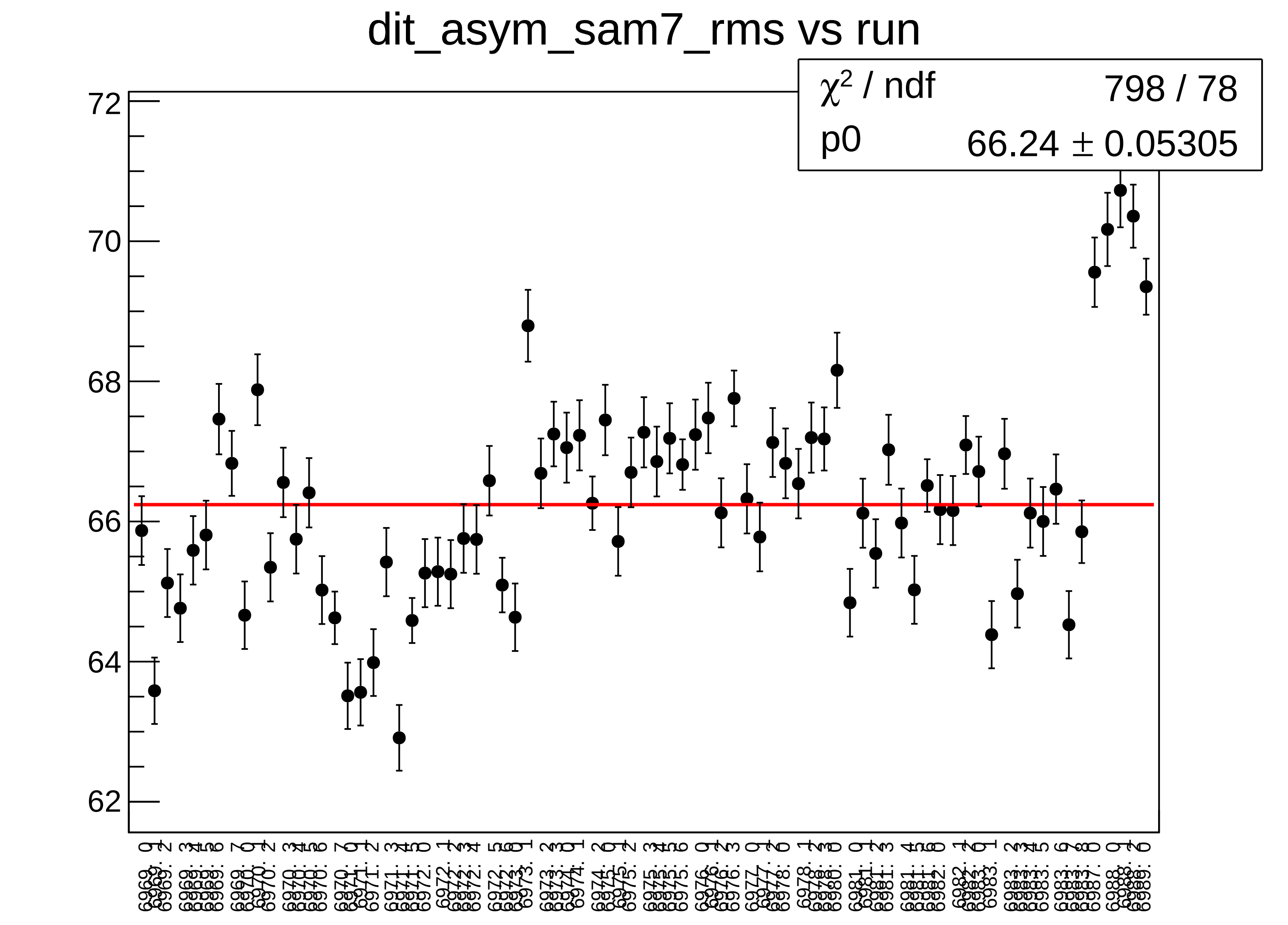


asym_sam6_mean vs run
χ2 / ndf 88.14 / 78
p0 2164 ± 1222
pull
Entries 79
Mean −207.7
Std Dev 255.8
pull1D
Entries 79
Mean 0.02379
Std Dev 1.056

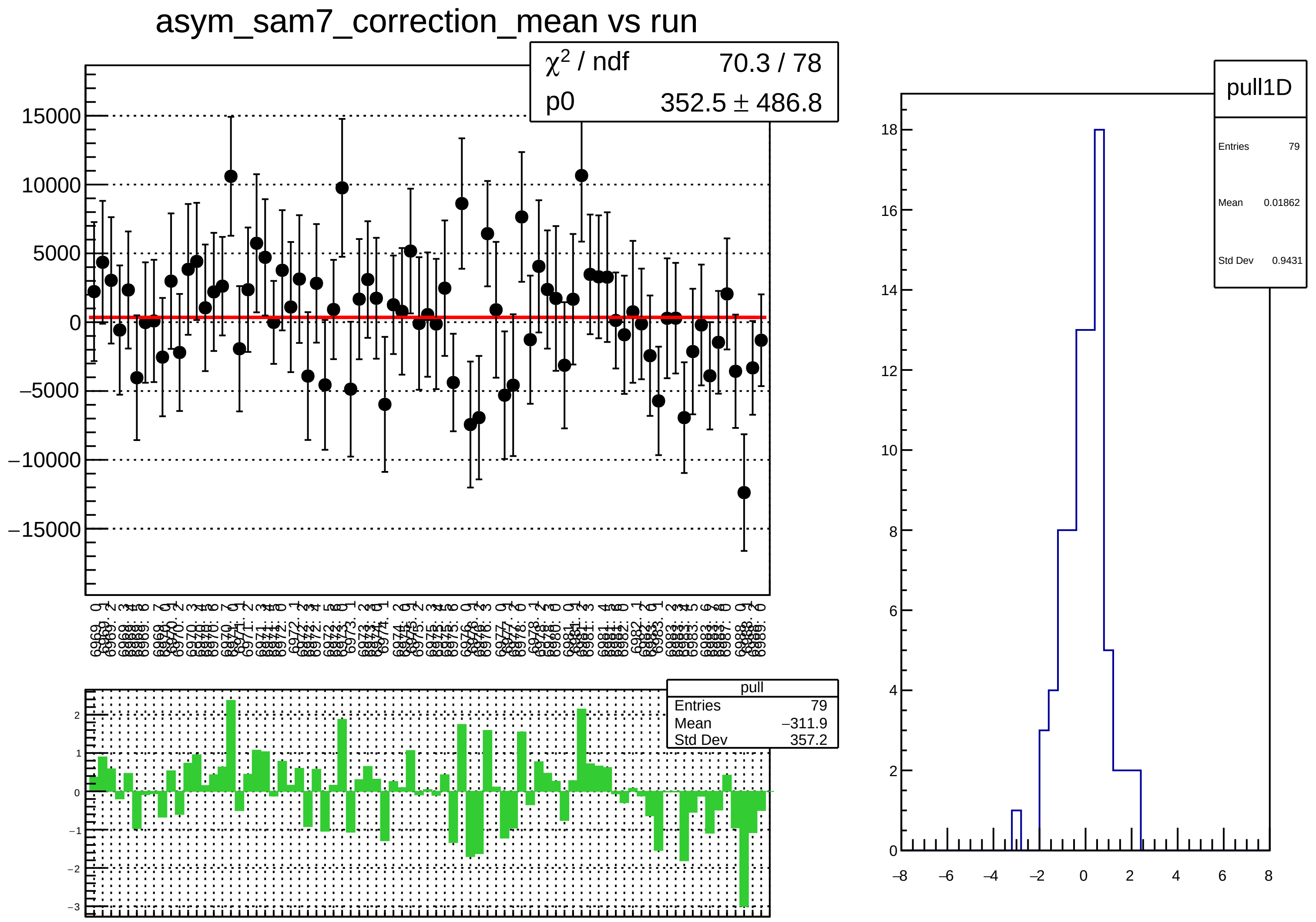


asym_sam6_rms vs run
χ^2 / ndf 9631 / 78
p0 1076 ± 0.864

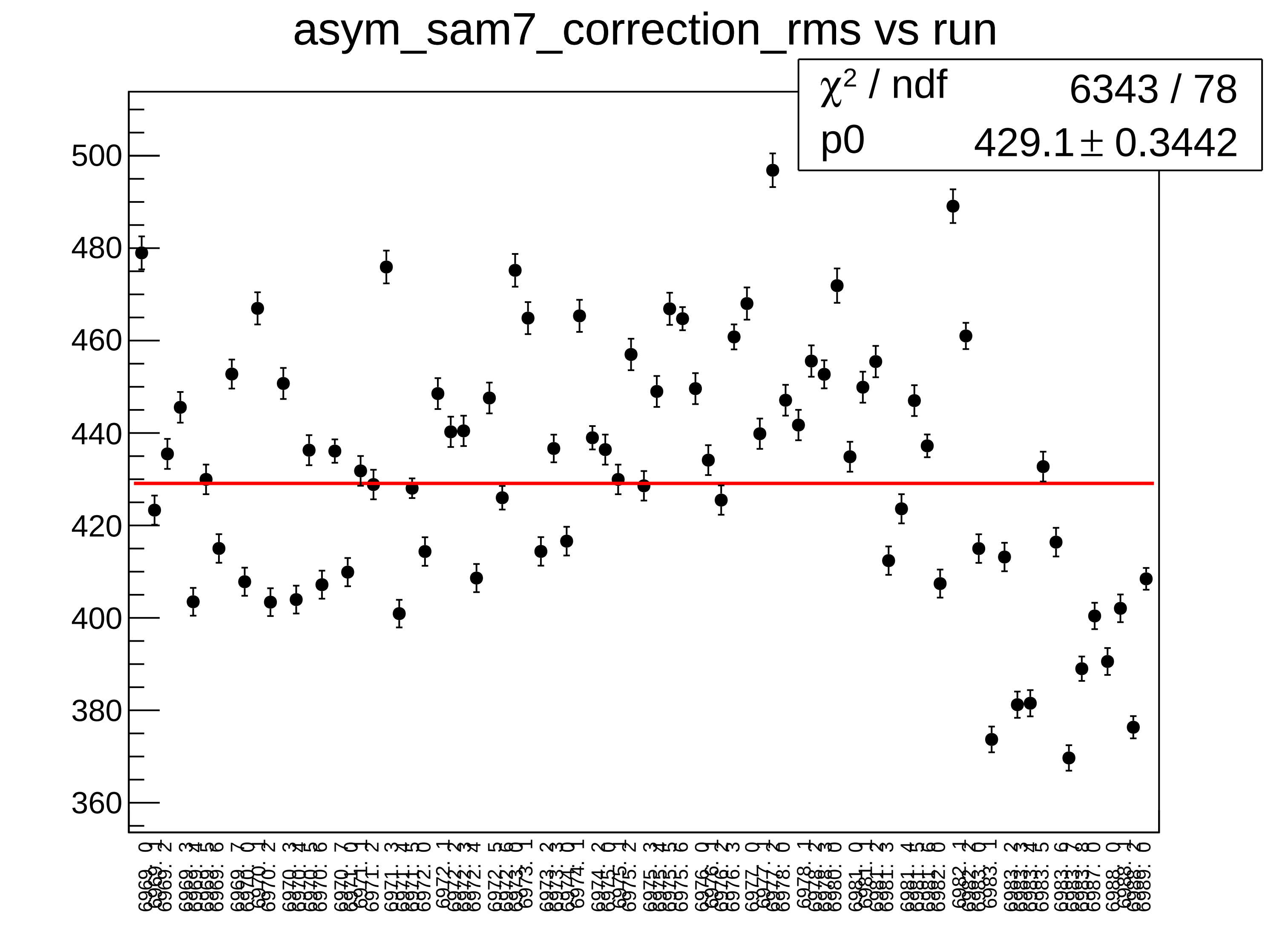

dit_asym_sam7_mean vs run
χ2 / ndf 79.62 / 78
p0 29.85 ± 75.02
pull
Entries 79
Mean −505.2
Std Dev 536.9
pull1D
Entries 79
Mean 0.006932
Std Dev 1.004



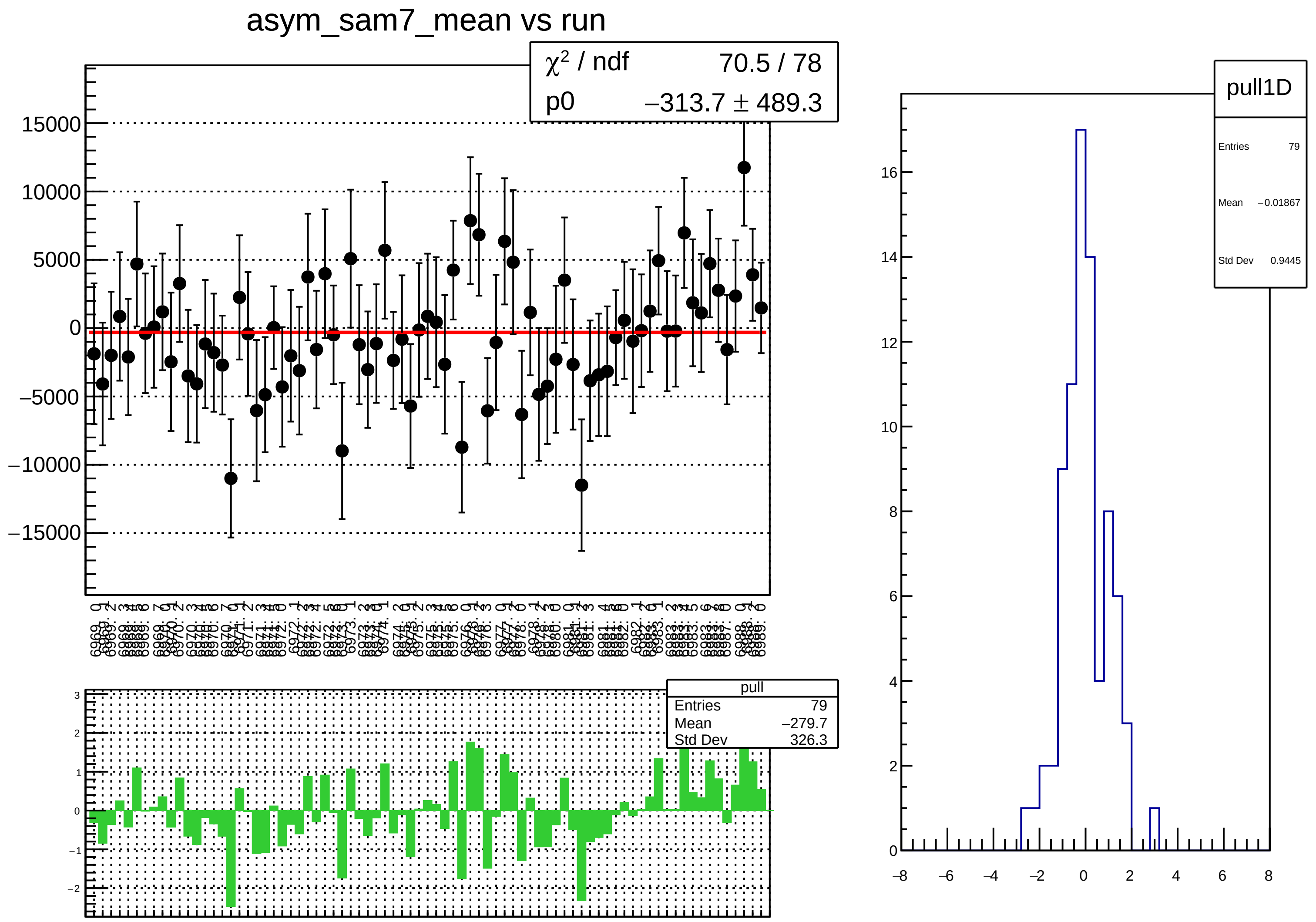
dit_asym_sam7_rms vs run
χ2 / ndf 798 / 78
p0 66.24 ± 0.05305
72
70
68
66
64
62



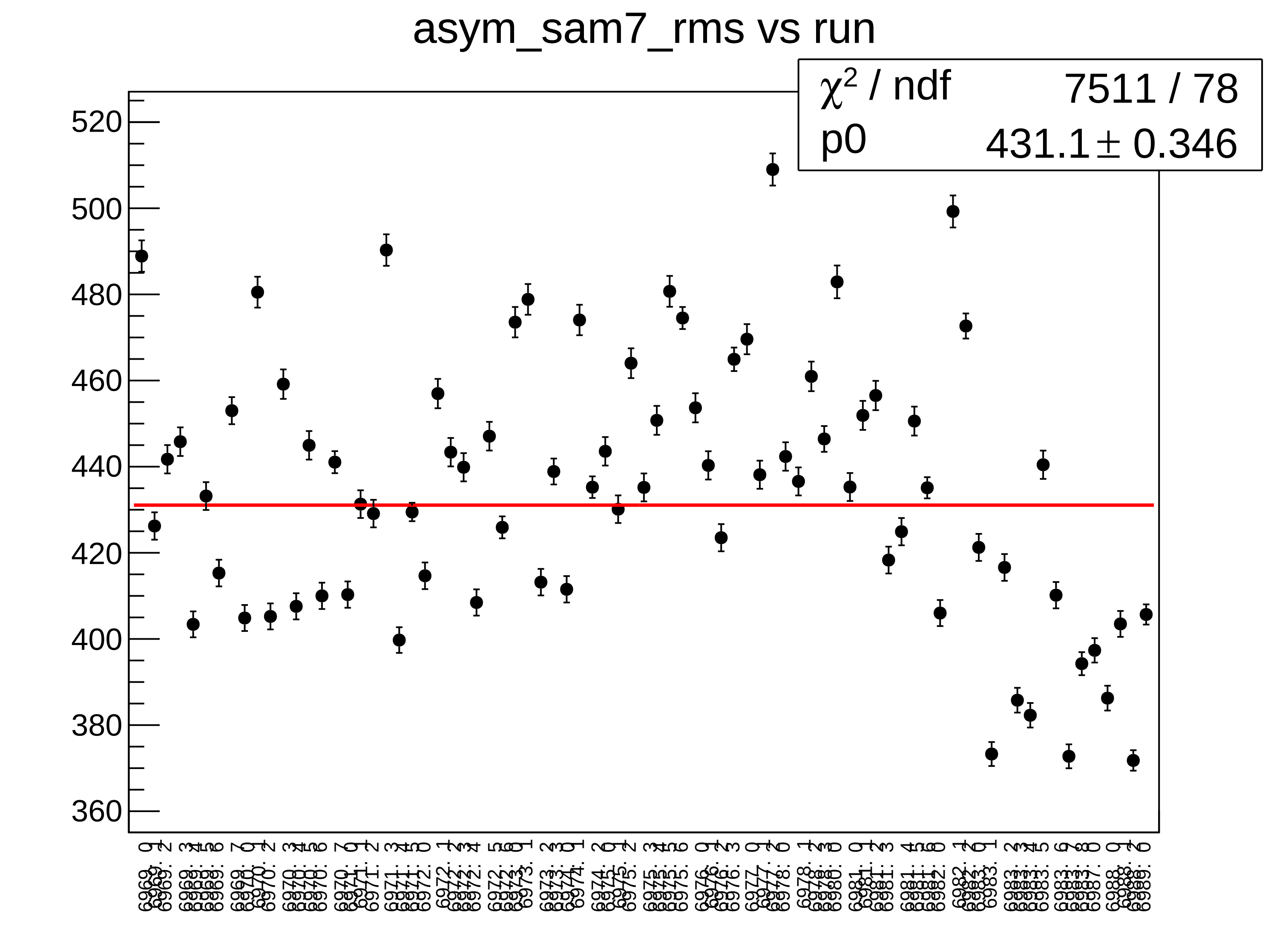
asym_sam7_correction_mean vs run
χ^2 / ndf 70.3 / 78
p0 352.5 ± 486.8
pull
Entries 79
Mean −311.9
Std Dev 357.2
pull1D
Entries 79
Mean 0.01862
Std Dev 0.9431



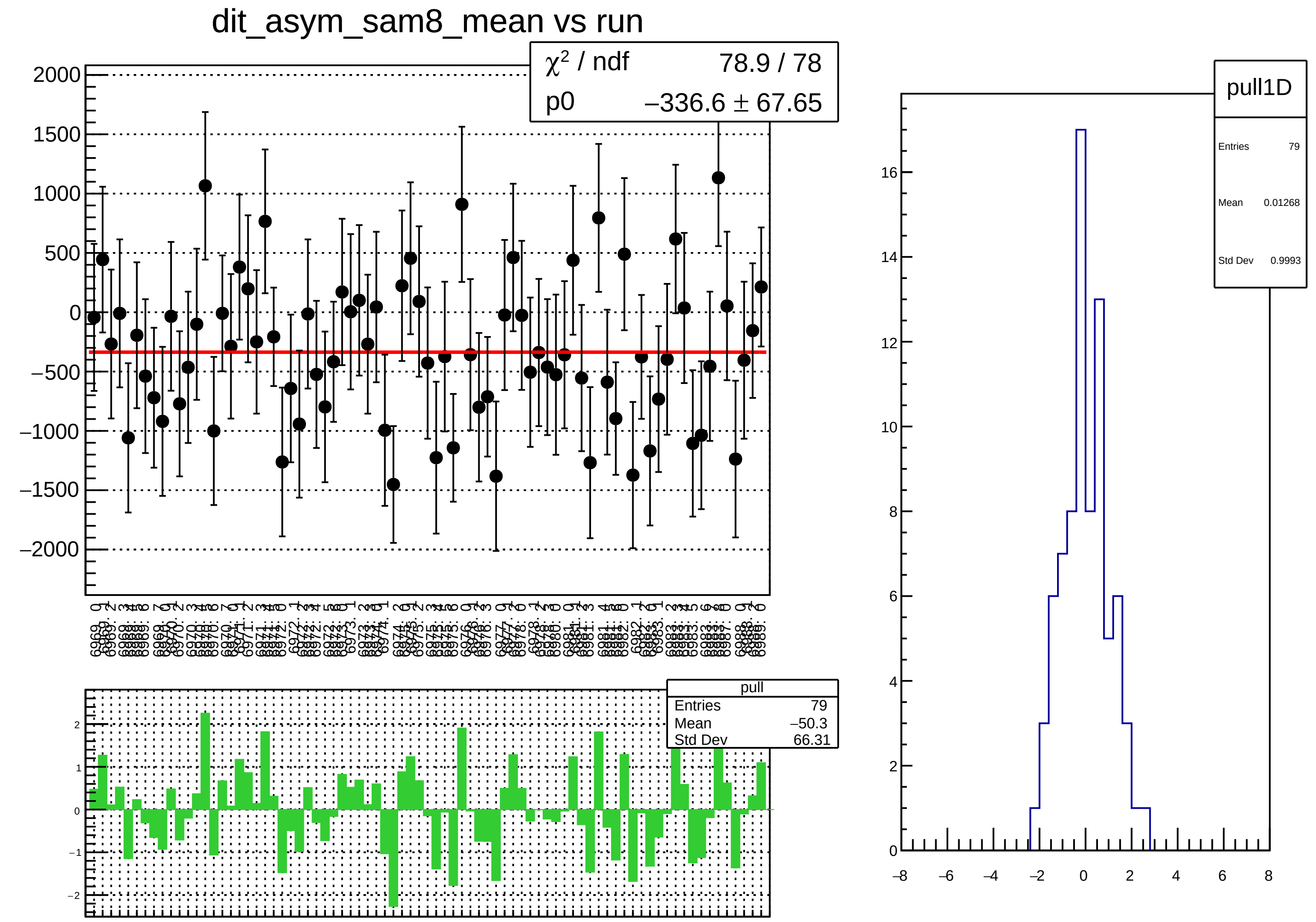
asym_sam7_correction_rms vs run
χ2 / ndf 6343 / 78
p0 429.1 ± 0.3442
500
480
460
440
420
400
380
360



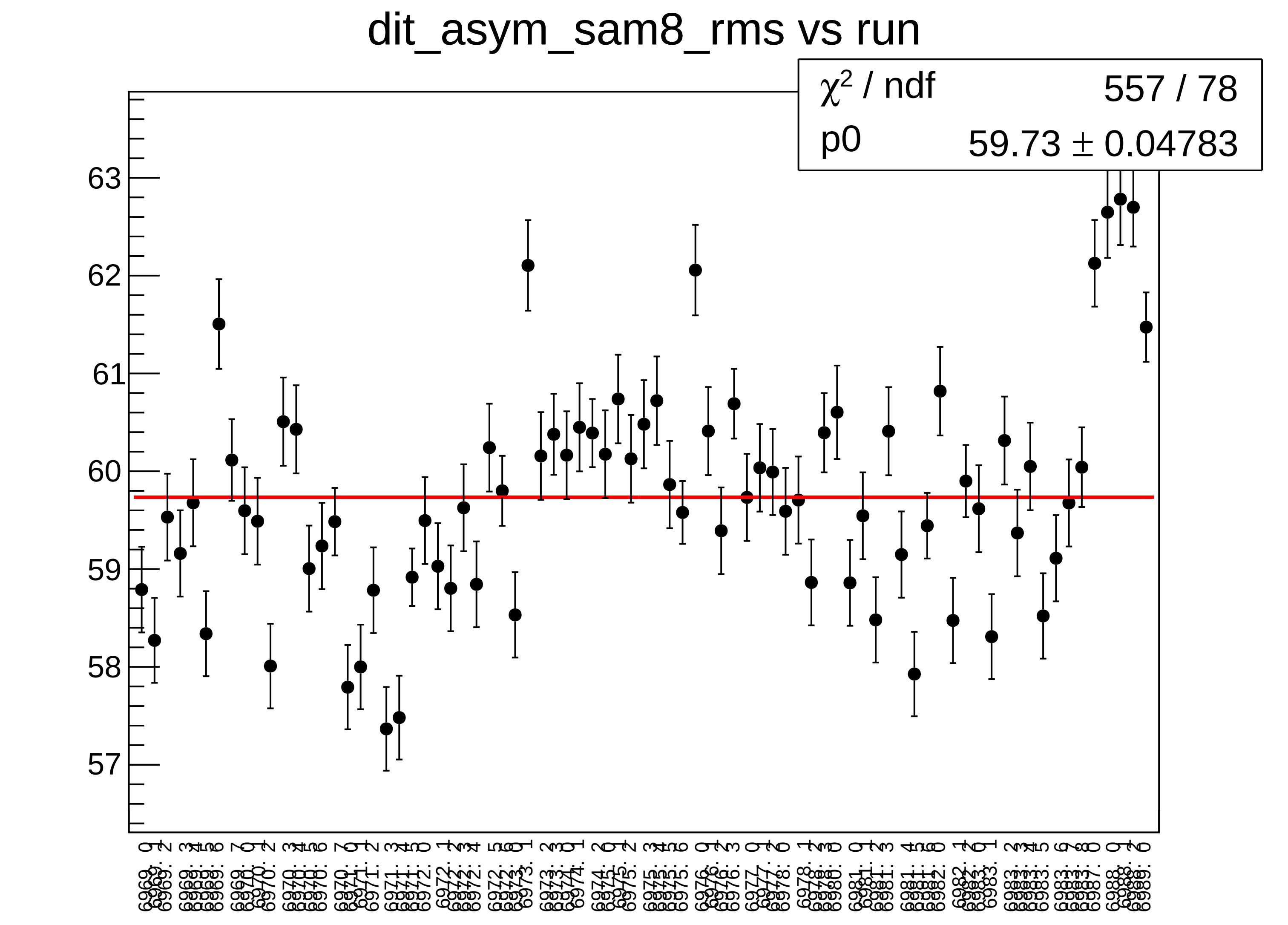
asym_sam7_mean vs run
χ2 / ndf 70.5 / 78
p0 −313.7 ± 489.3
pull
Entries 79
Mean −279.7
Std Dev 326.3
pull1D
Entries 79
Mean −0.01867
Std Dev 0.9445



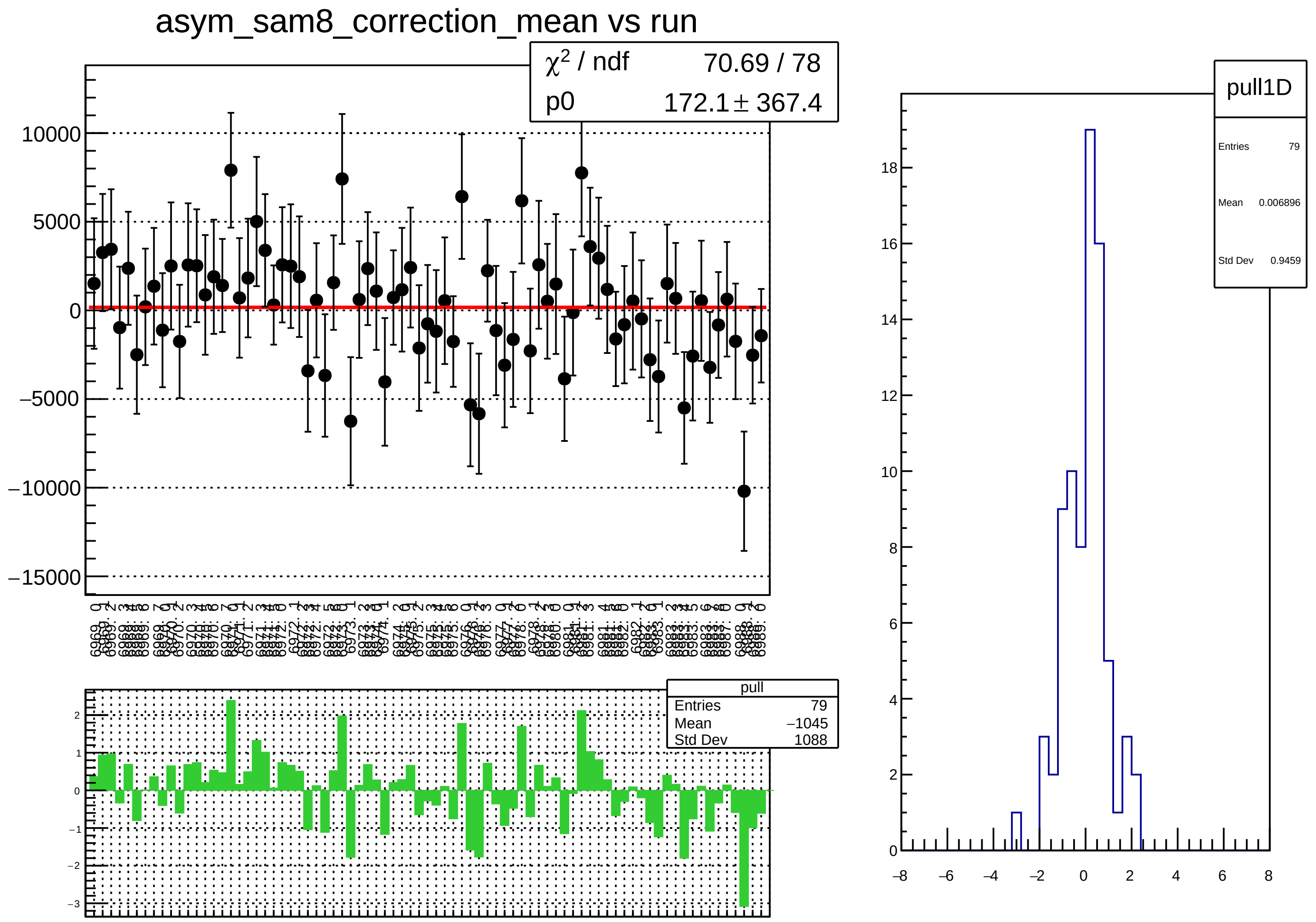
asym_sam7_rms vs run
χ^2 / ndf 7511 / 78
p0 431.1 ± 0.346
520
500
480
460
440
420
400
380
360



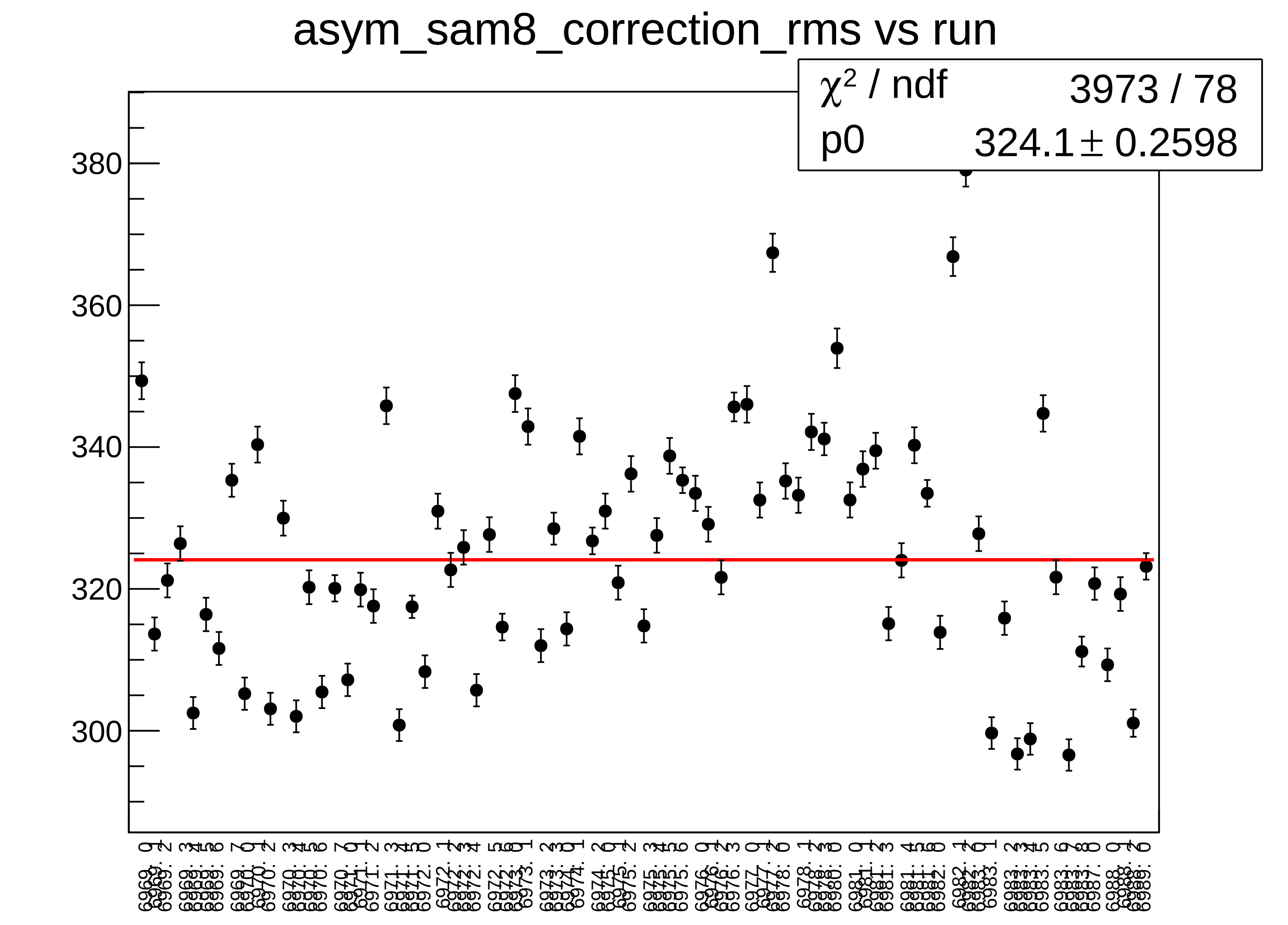
dit_asym_sam8_mean vs run
χ^2 / ndf 78.9 / 78
p0 −336.6 ± 67.65
pull
Entries 79
Mean −50.3
Std Dev 66.31
pull1D
Entries 79
Mean 0.01268
Std Dev 0.9993



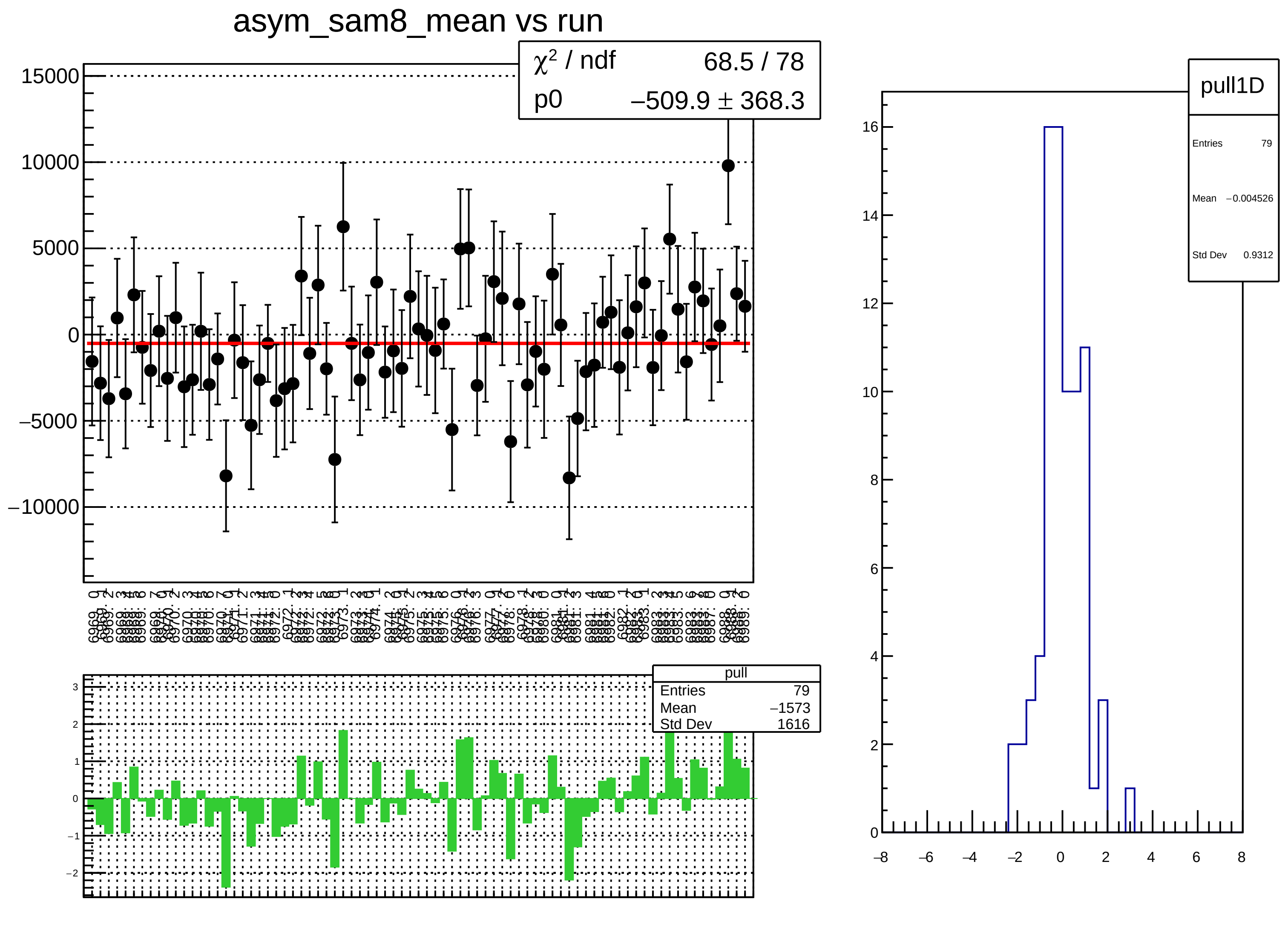
dit_asym_sam8_rms vs run
χ2 / ndf 557 / 78
p0 59.73 ± 0.04783



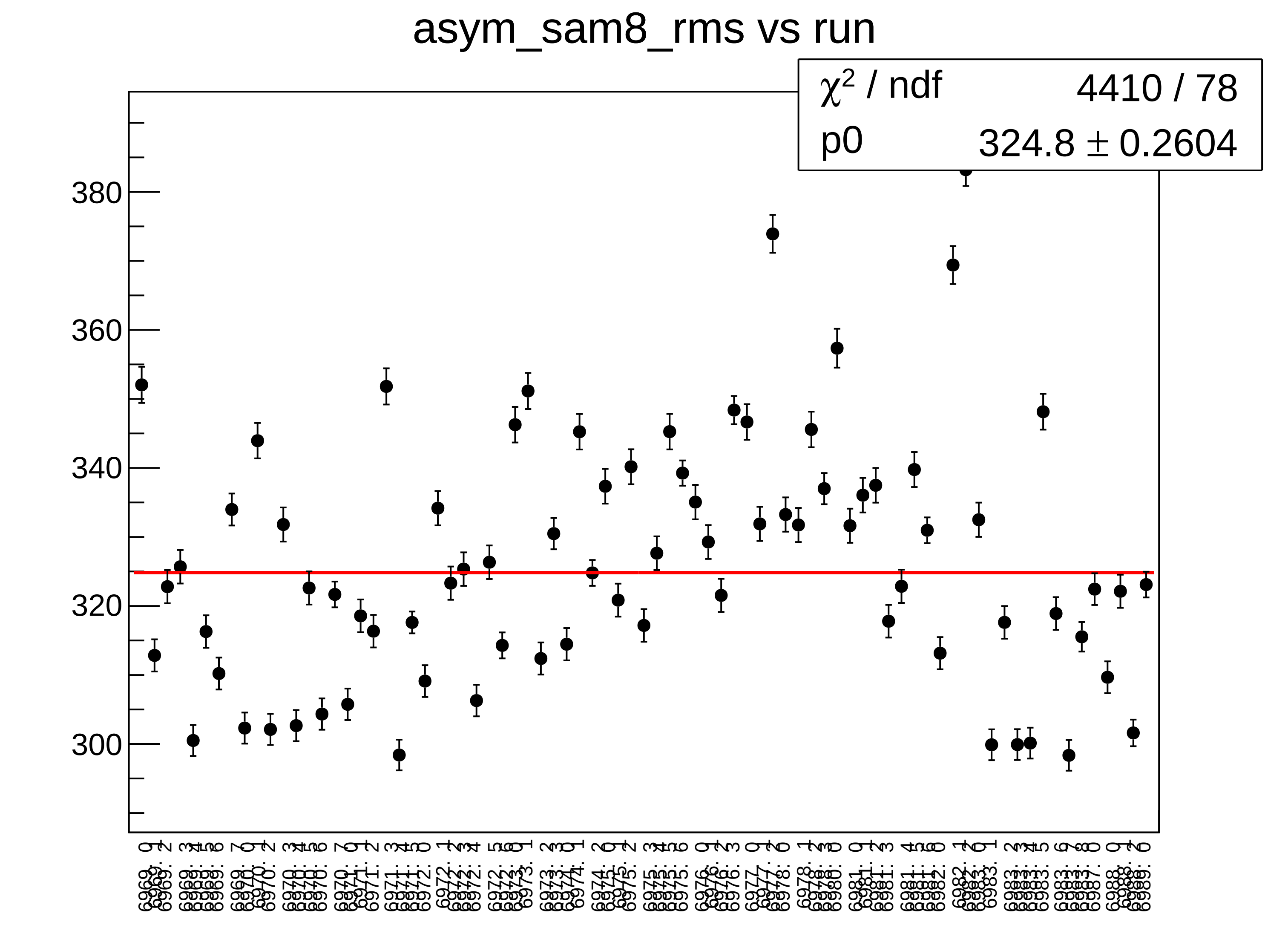
asym_sam8_correction_mean vs run
χ² / ndf 70.69 / 78
p0 172.1 ± 367.4
pull
Entries 79
Mean −1045
Std Dev 1088
pull1D
Entries 79
Mean 0.006896
Std Dev 0.9459

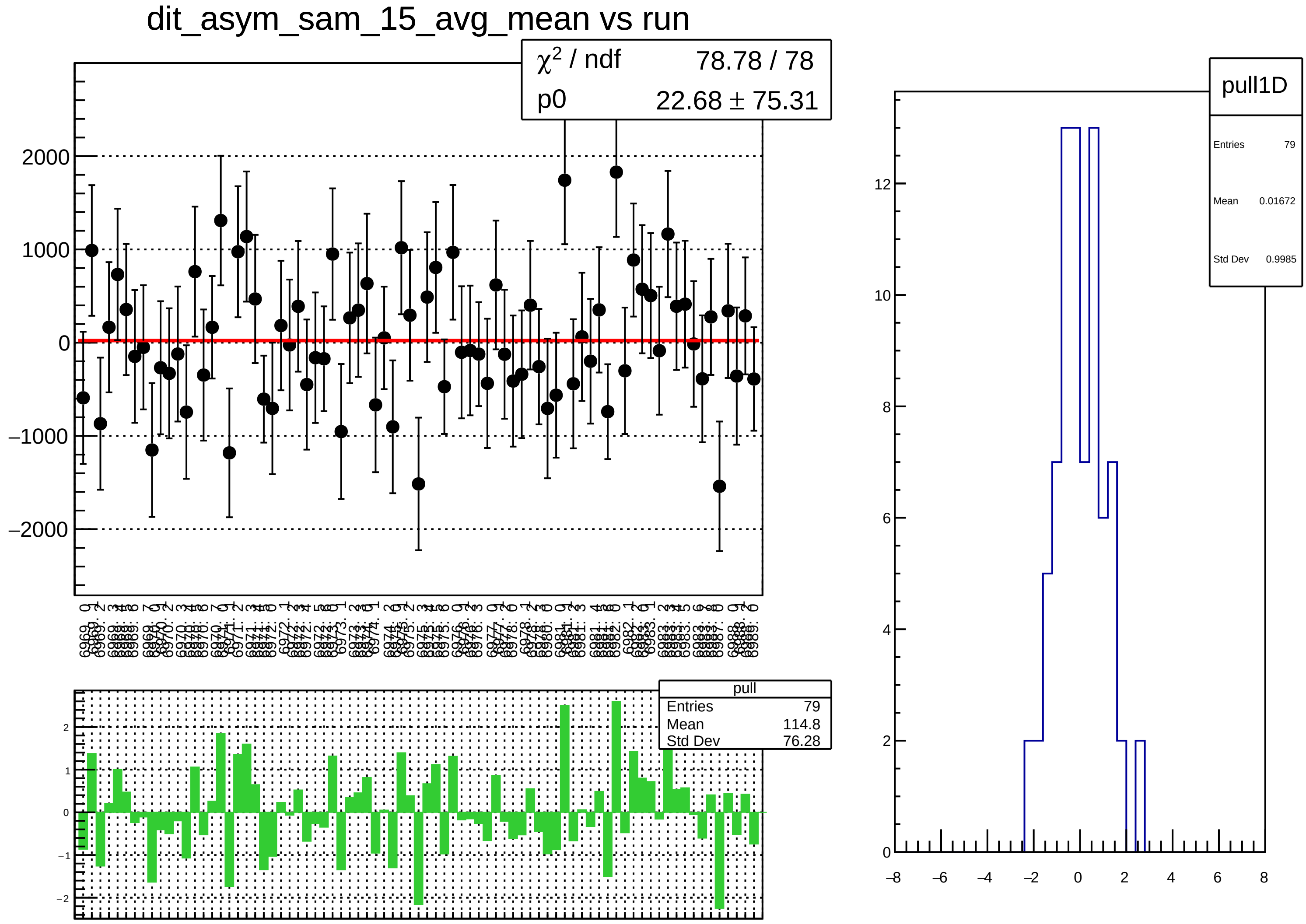


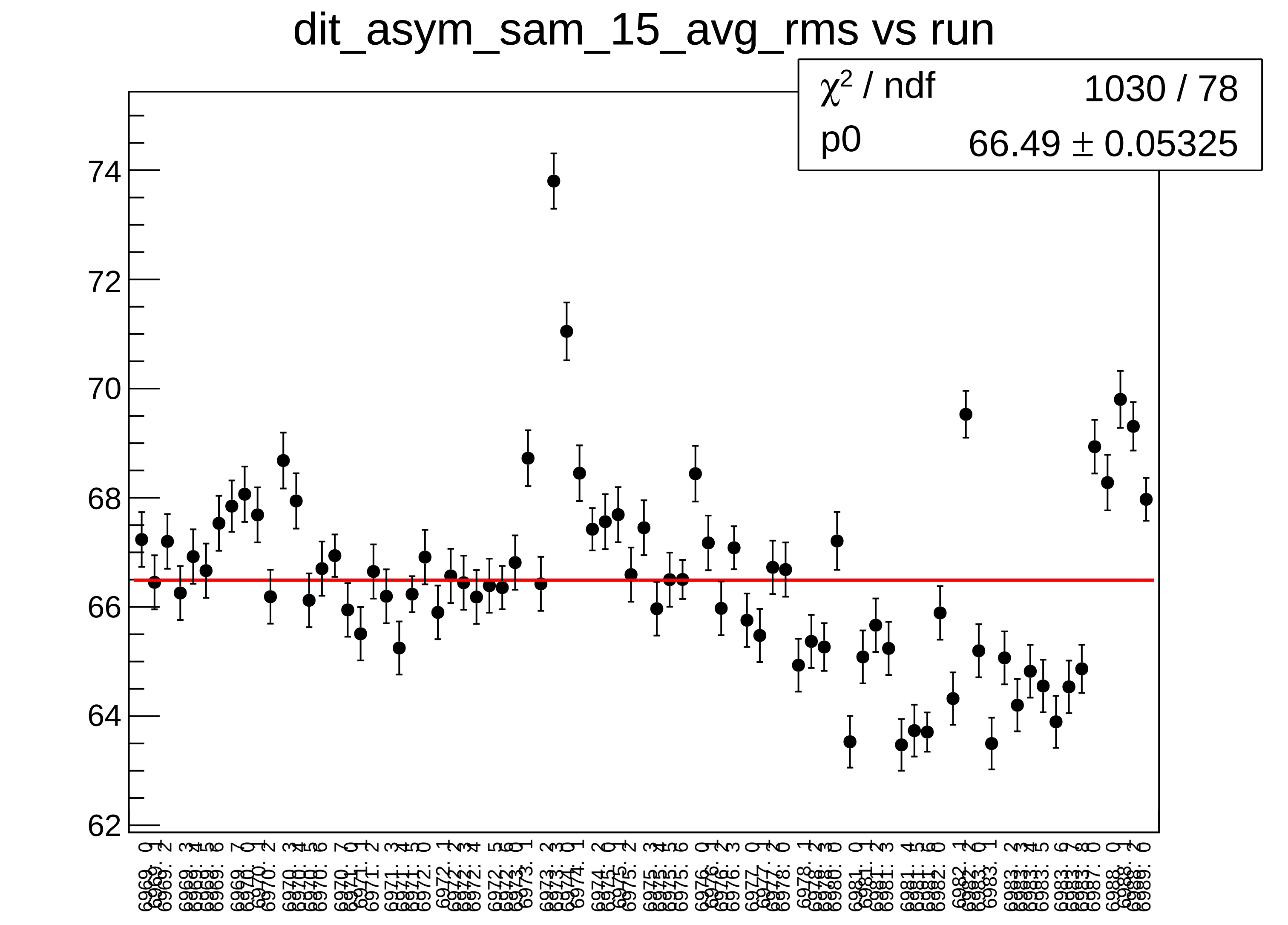
asym_sam8_correction_rms vs run
χ2 / ndf 3973 / 78
p0 324.1 ± 0.2598
380
360
340
320
300



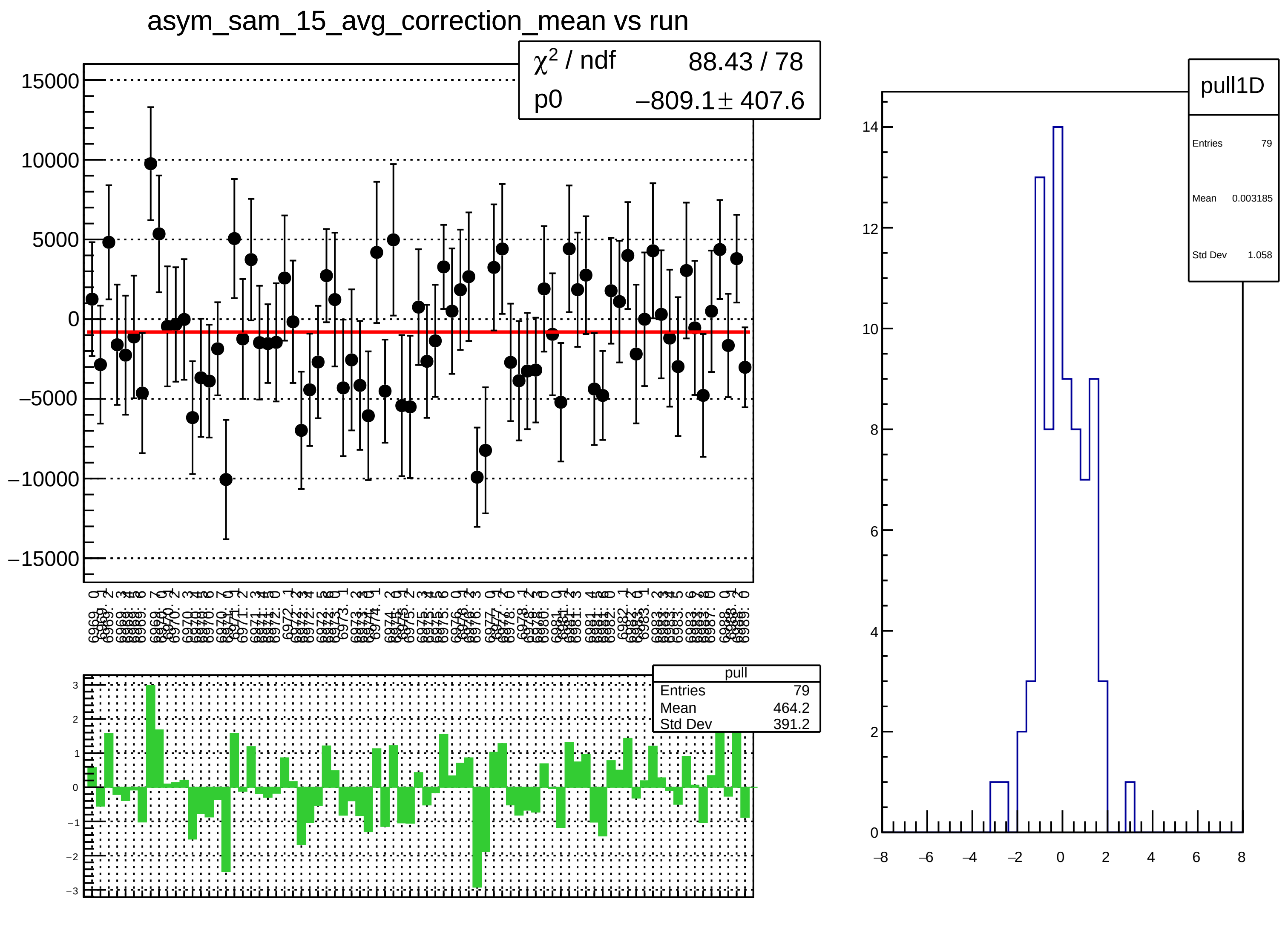
asym_sam8_mean vs run
χ^2 / ndf 68.5 / 78
p0 −509.9 ± 368.3
15000
10000
5000
0
−5000
−10000
pull
Entries 79
Mean −1573
Std Dev 1616
pull1D
Entries 79
Mean −0.004526
Std Dev 0.9312


asym_sam8_rms vs run
χ^2 / ndf 4410 / 78
p0 324.8 ± 0.2604
380
360
340
320
300

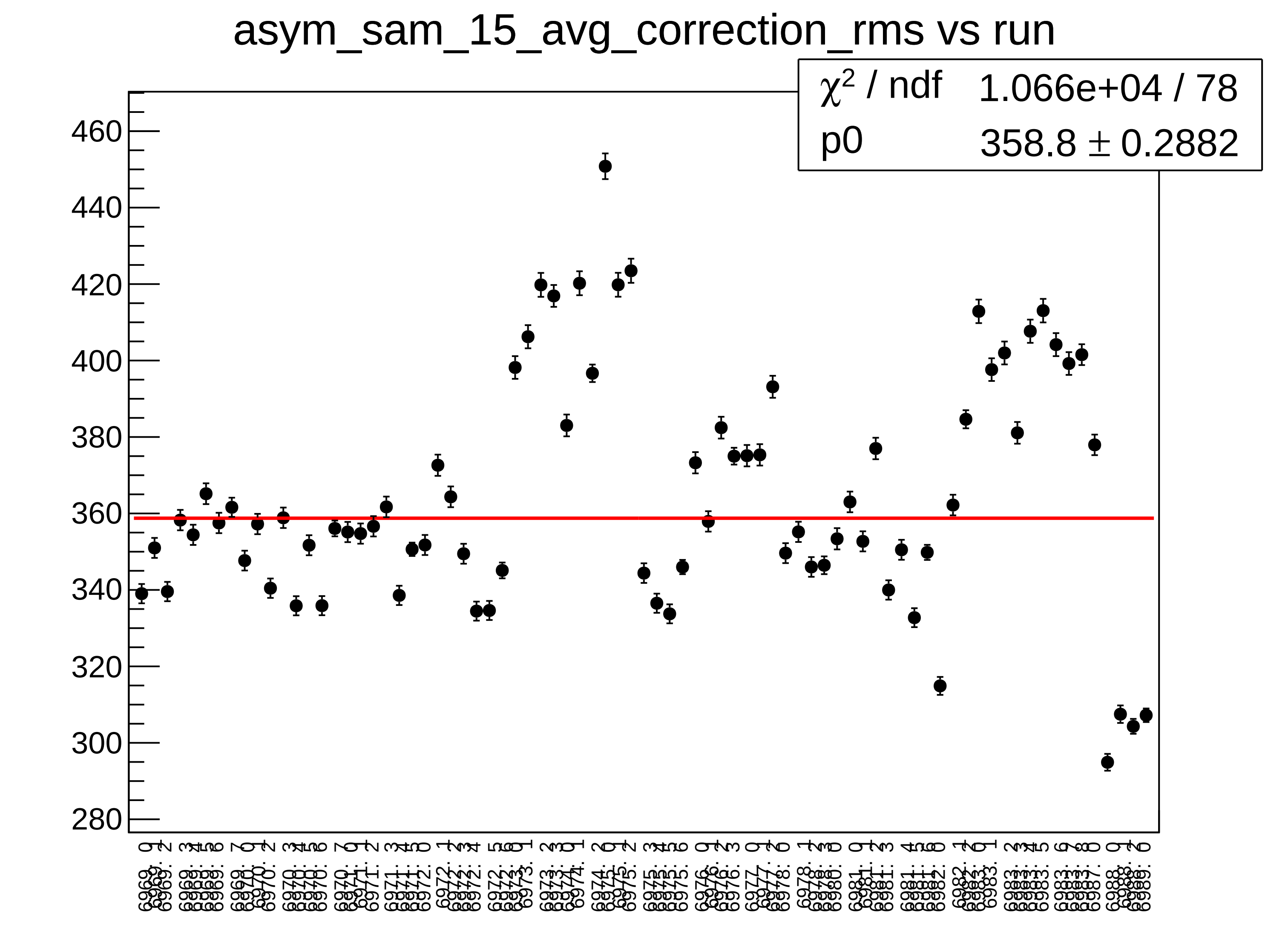

dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 78.78 / 78
p0 22.68 ± 75.31
2000
1000
0
−1000
−2000
pull
Entries 79
Mean 114.8
Std Dev 76.28
2
1
0
−1
−2
pull1D
Entries 79
Mean 0.01672
Std Dev 0.9985
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



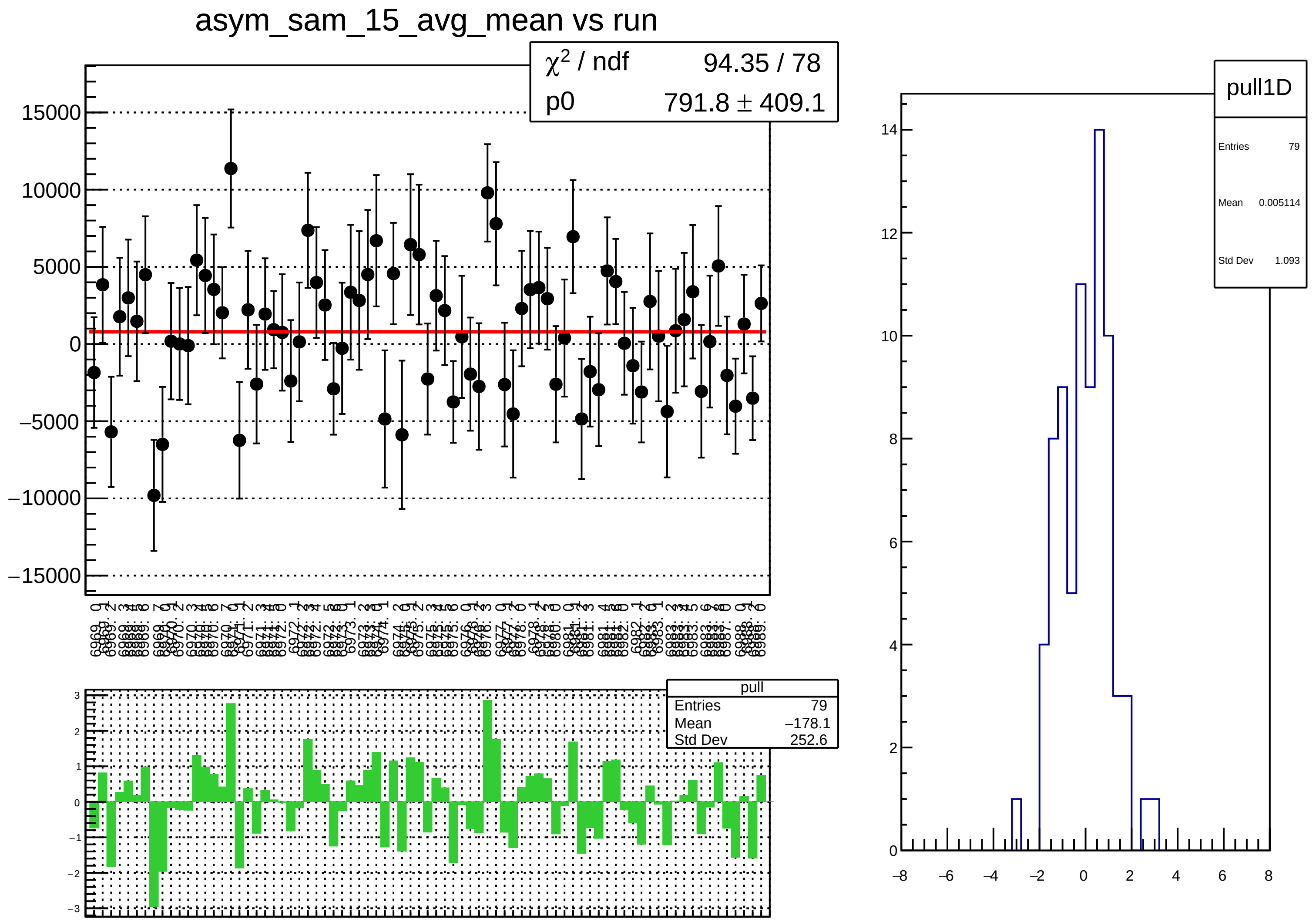
dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1030 / 78
p0 66.49 ± 0.05325
74
72
70
68
66
64
62



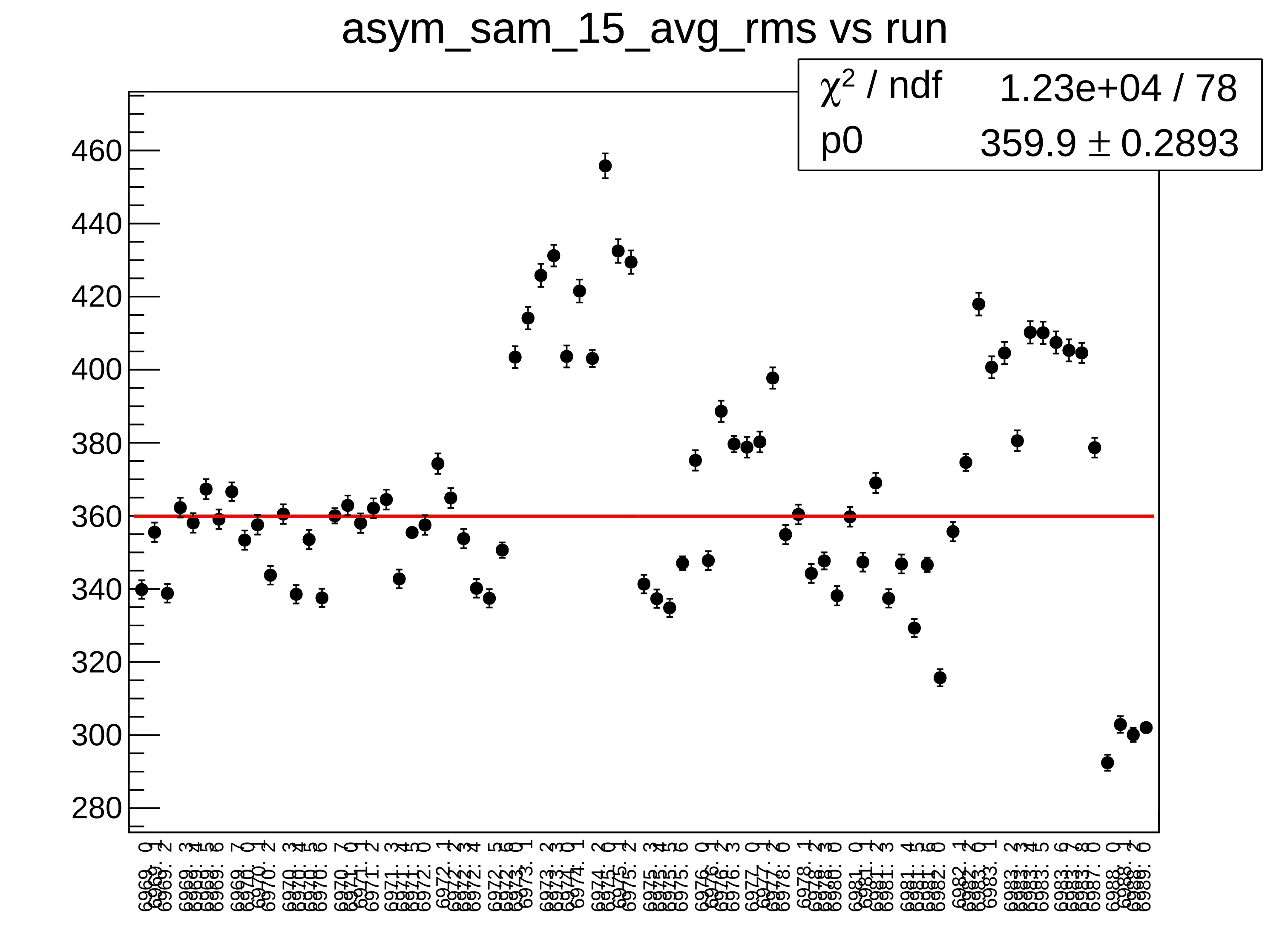
asym_sam_15_avg_correction_mean vs run
χ2 / ndf 88.43 / 78
p0 −809.1 ± 407.6
pull
Entries 79
Mean 464.2
Std Dev 391.2
pull1D
Entries 79
Mean 0.003185
Std Dev 1.058

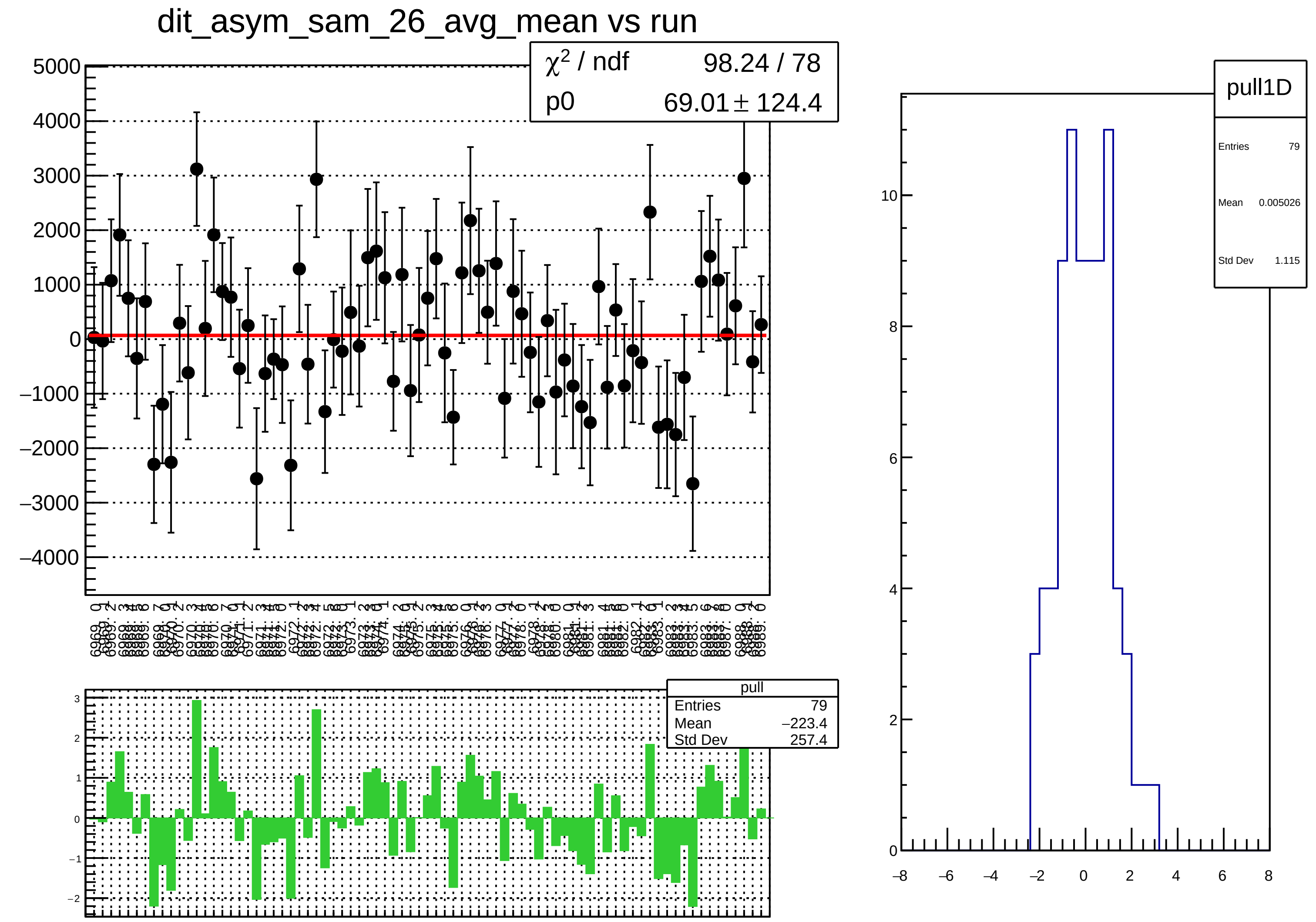


asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 1.066e+04 / 78
p0 358.8 ± 0.2882

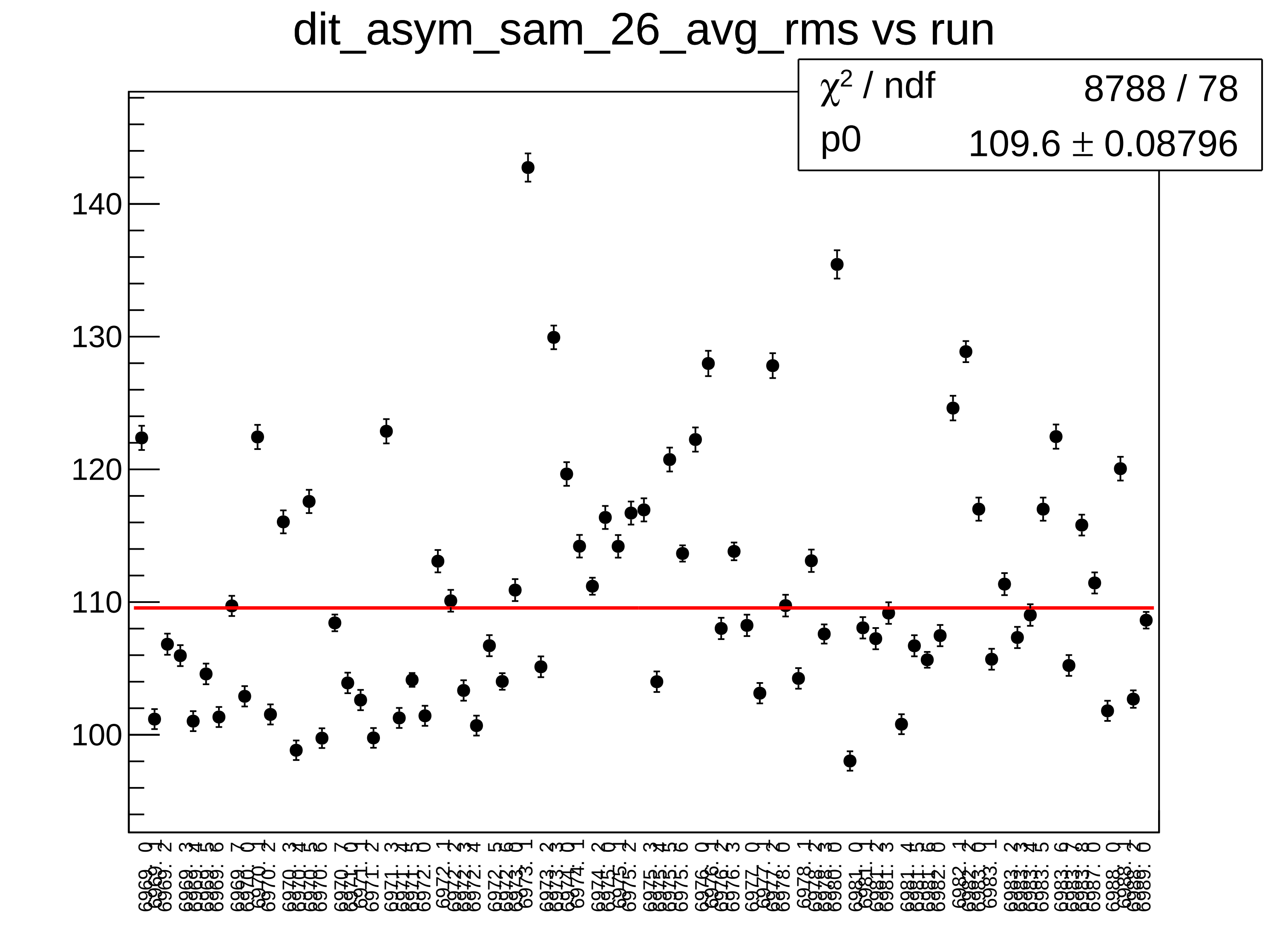


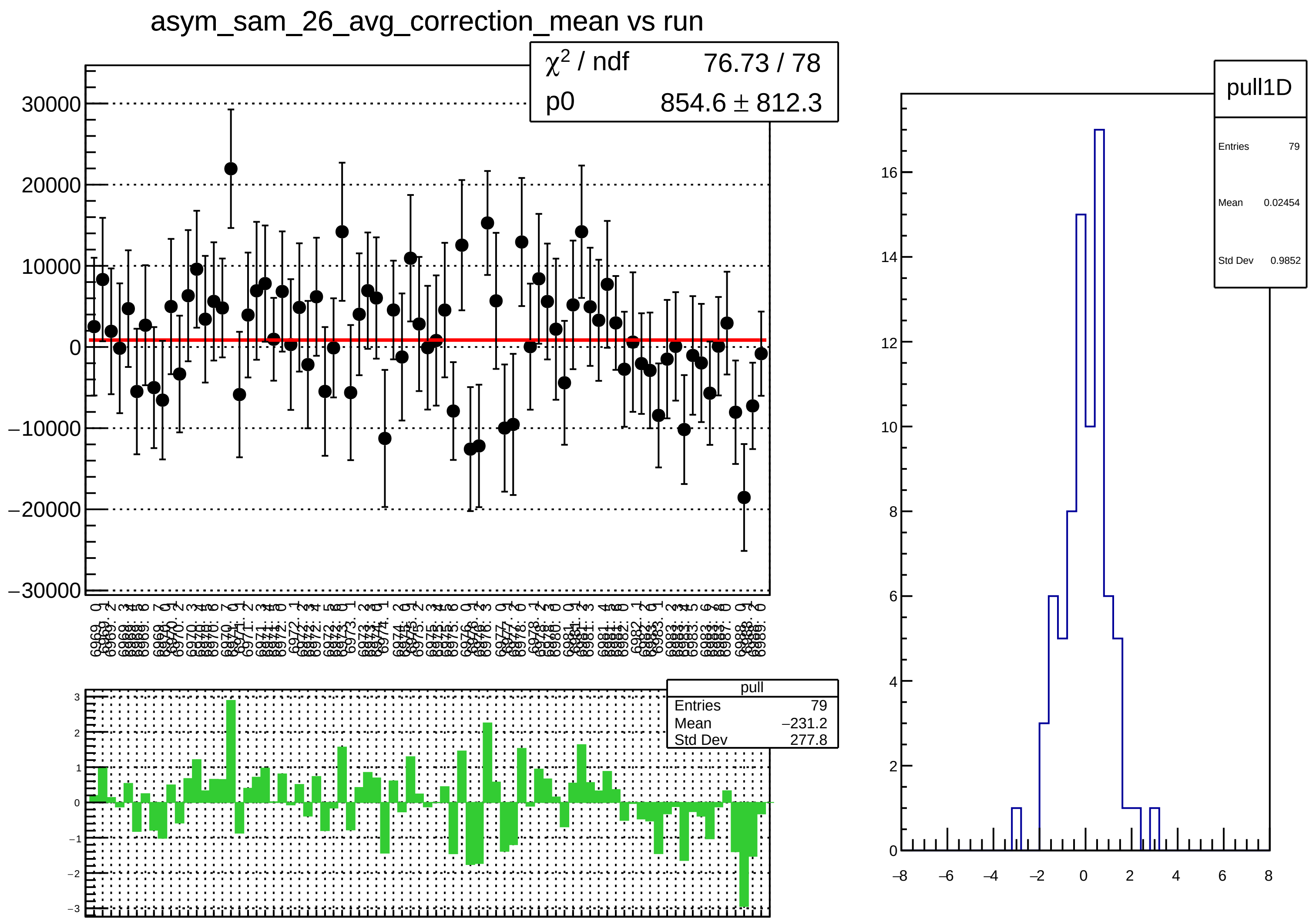
asym_sam_15_avg_mean vs run
χ^2 / ndf 94.35 / 78
p0 791.8 ± 409.1
pull
Entries 79
Mean −178.1
Std Dev 252.6
pull1D
Entries 79
Mean 0.005114
Std Dev 1.093


asym_sam_15_avg_rms vs run
χ2 / ndf 1.23e+04 / 78
p0 359.9 ± 0.2893
460
440
420
400
380
360
340
320
300
280

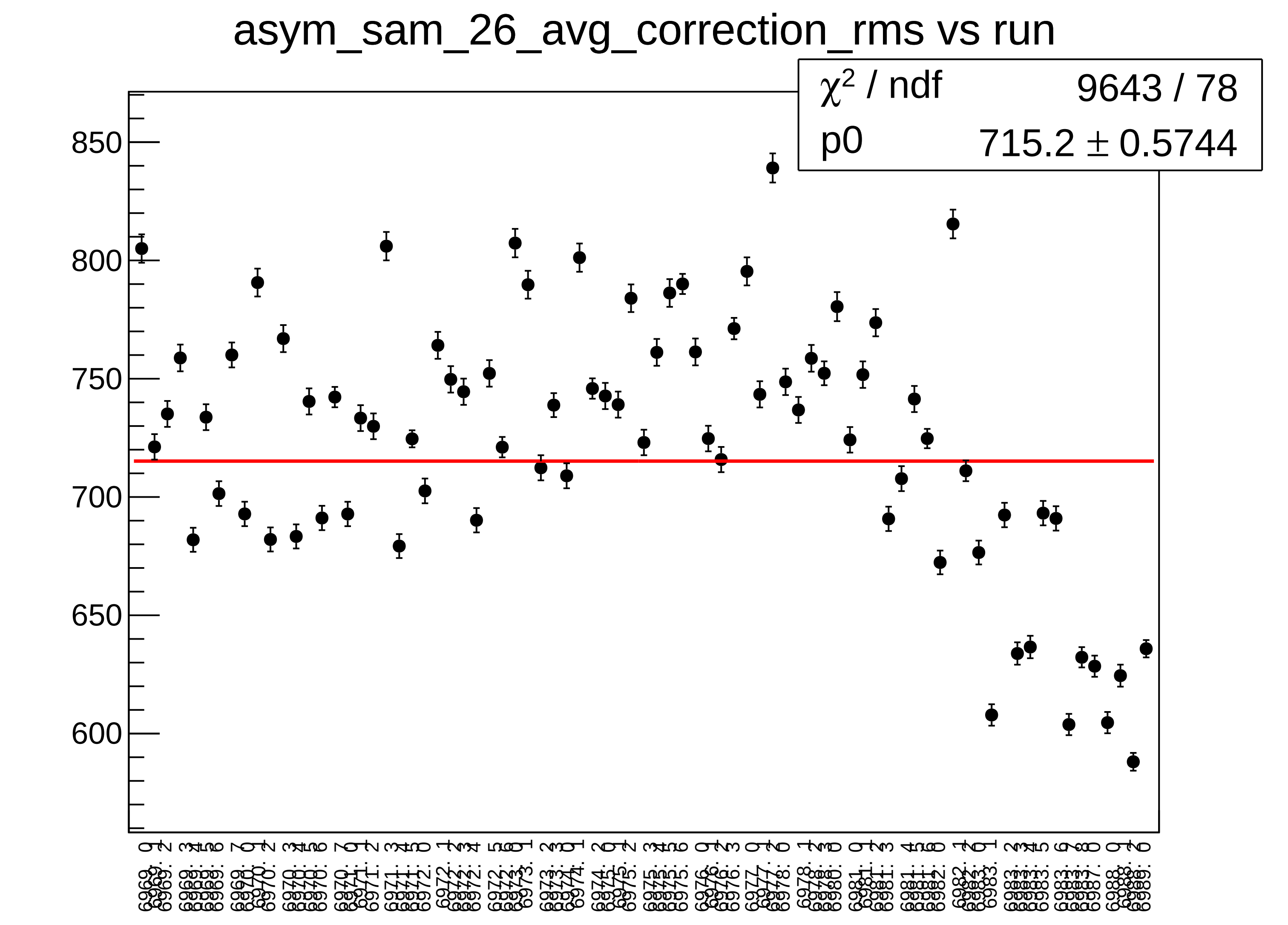


dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 98.24 / 78
p0 69.01 ± 124.4
pull
Entries 79
Mean −223.4
Std Dev 257.4
pull1D
Entries 79
Mean 0.005026
Std Dev 1.115

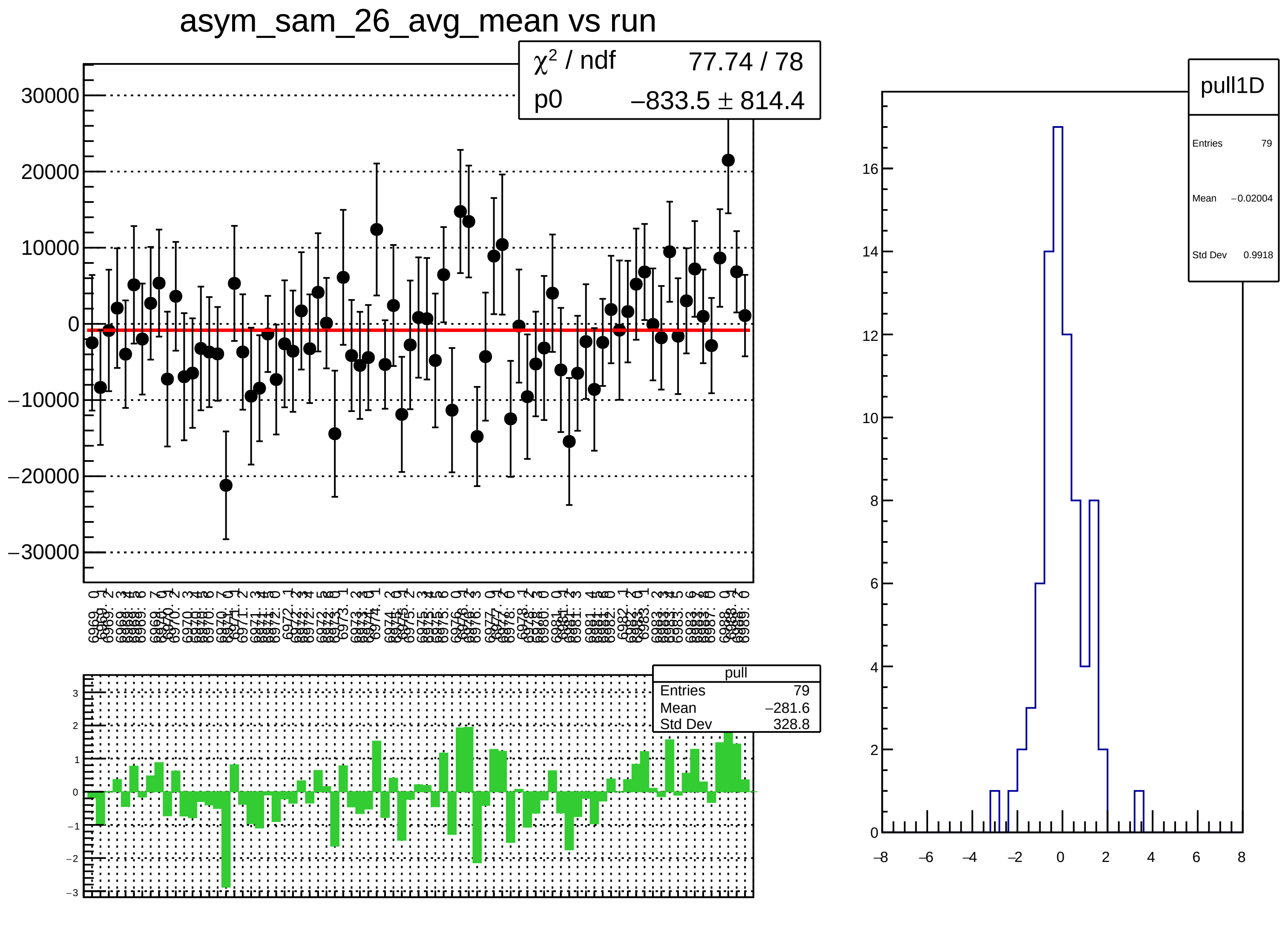

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 8788 / 78
p0 109.6 ± 0.08796
140
130
120
110
100

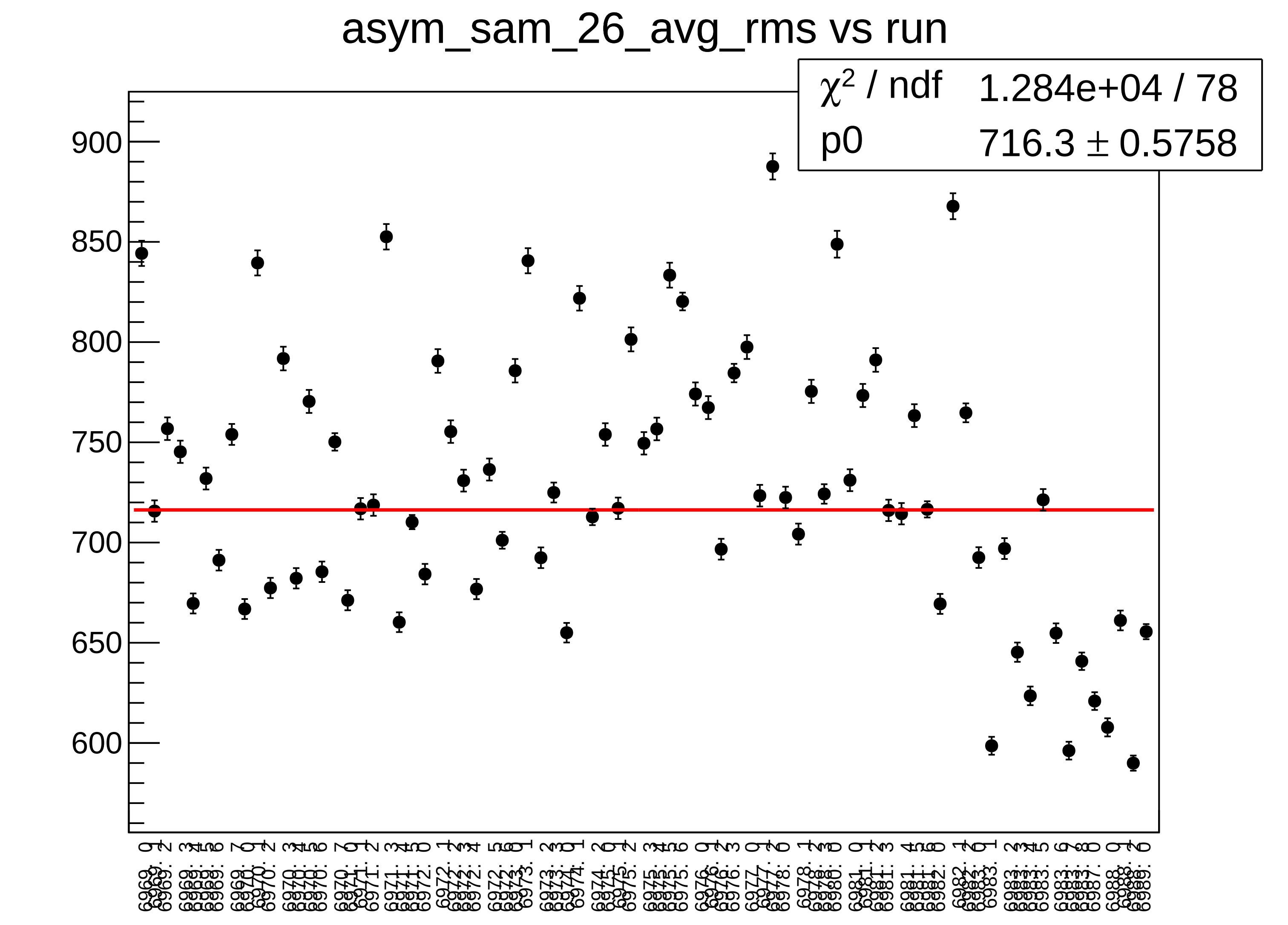


asym_sam_26_avg_correction_mean vs run
χ2 / ndf 76.73 / 78
p0 854.6 ± 812.3
pull
Entries 79
Mean −231.2
Std Dev 277.8
pull1D
Entries 79
Mean 0.02454
Std Dev 0.9852

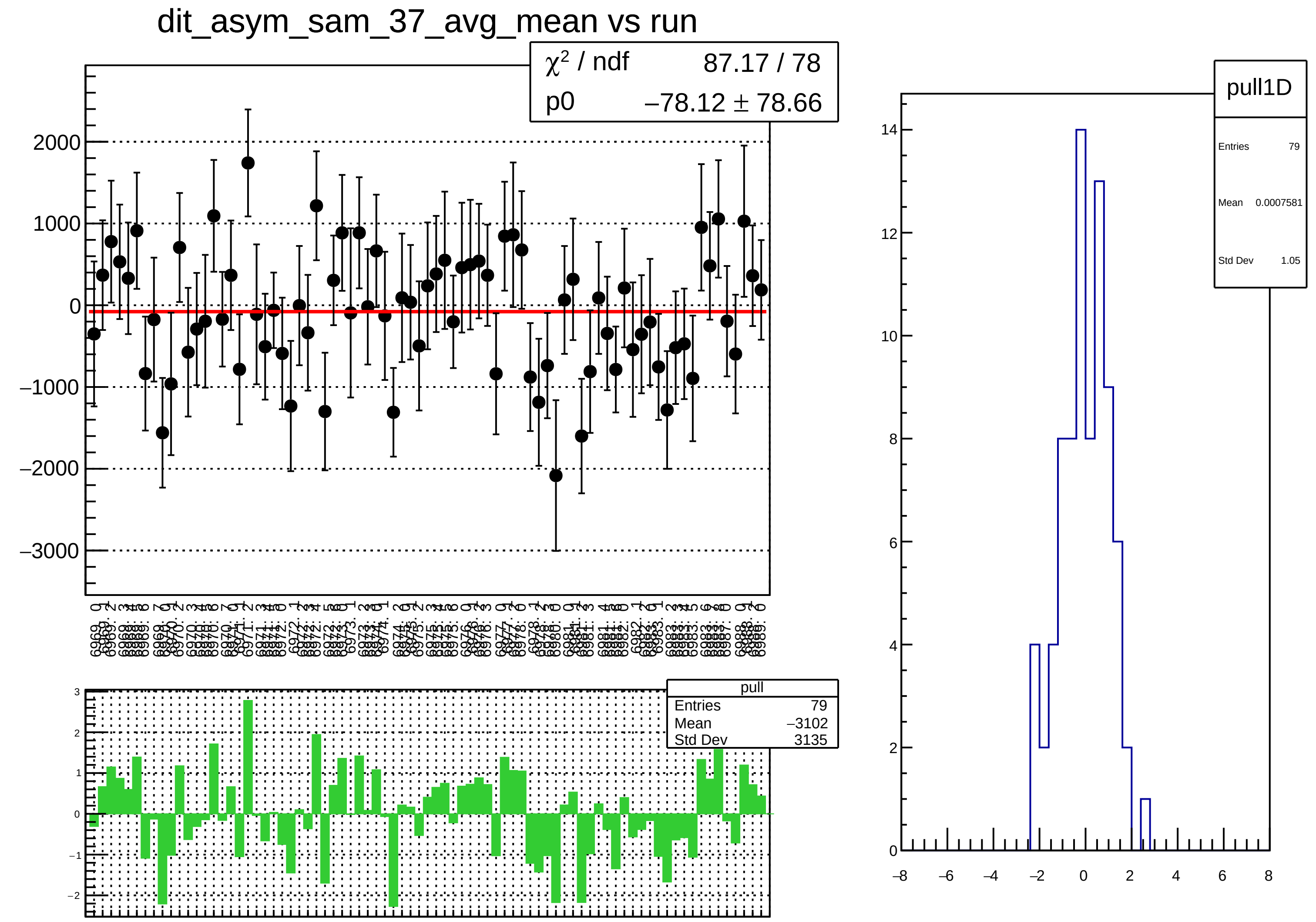


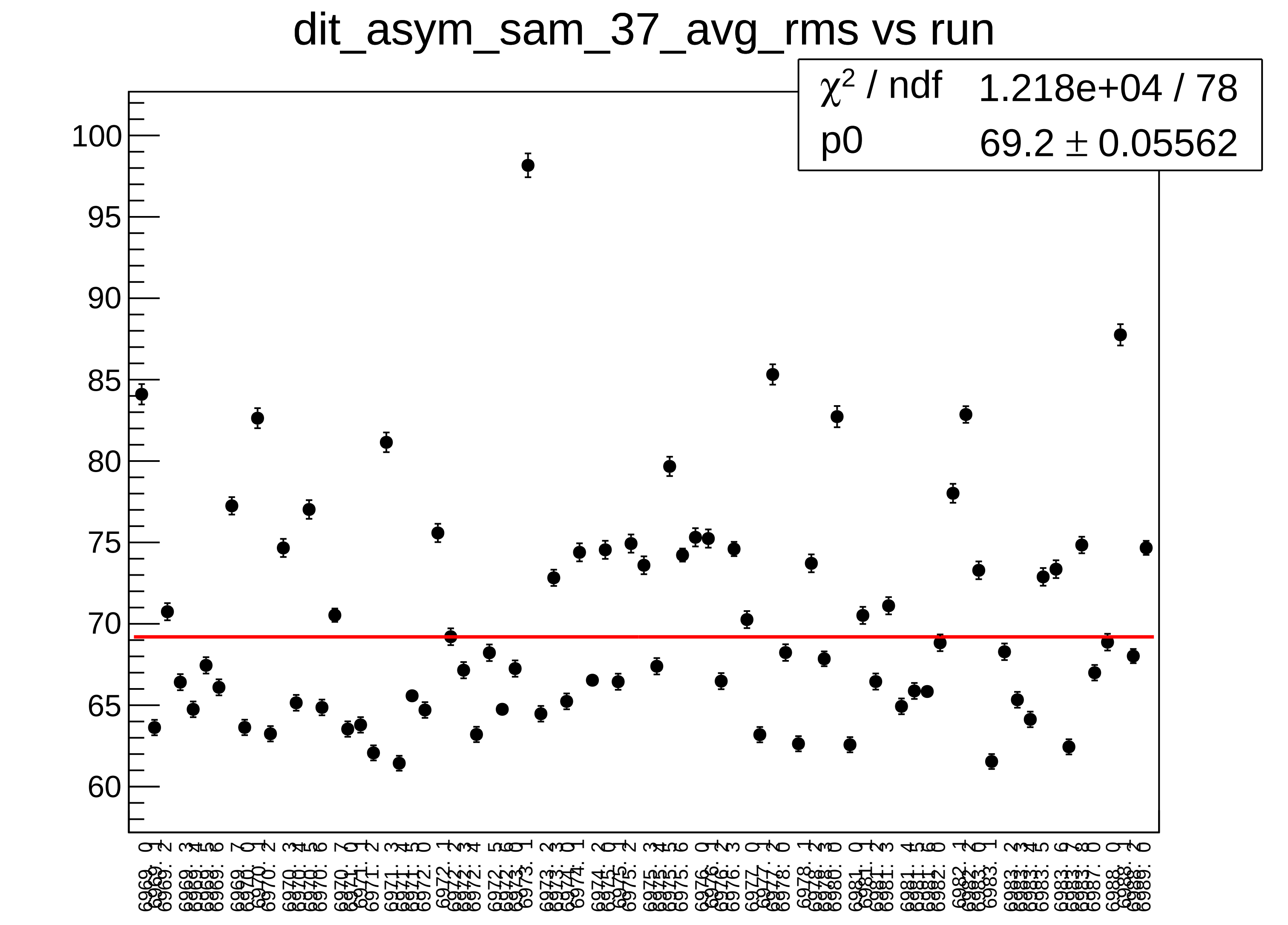
asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 9643 / 78
p0 715.2 ± 0.5744
850
800
750
700
650
600

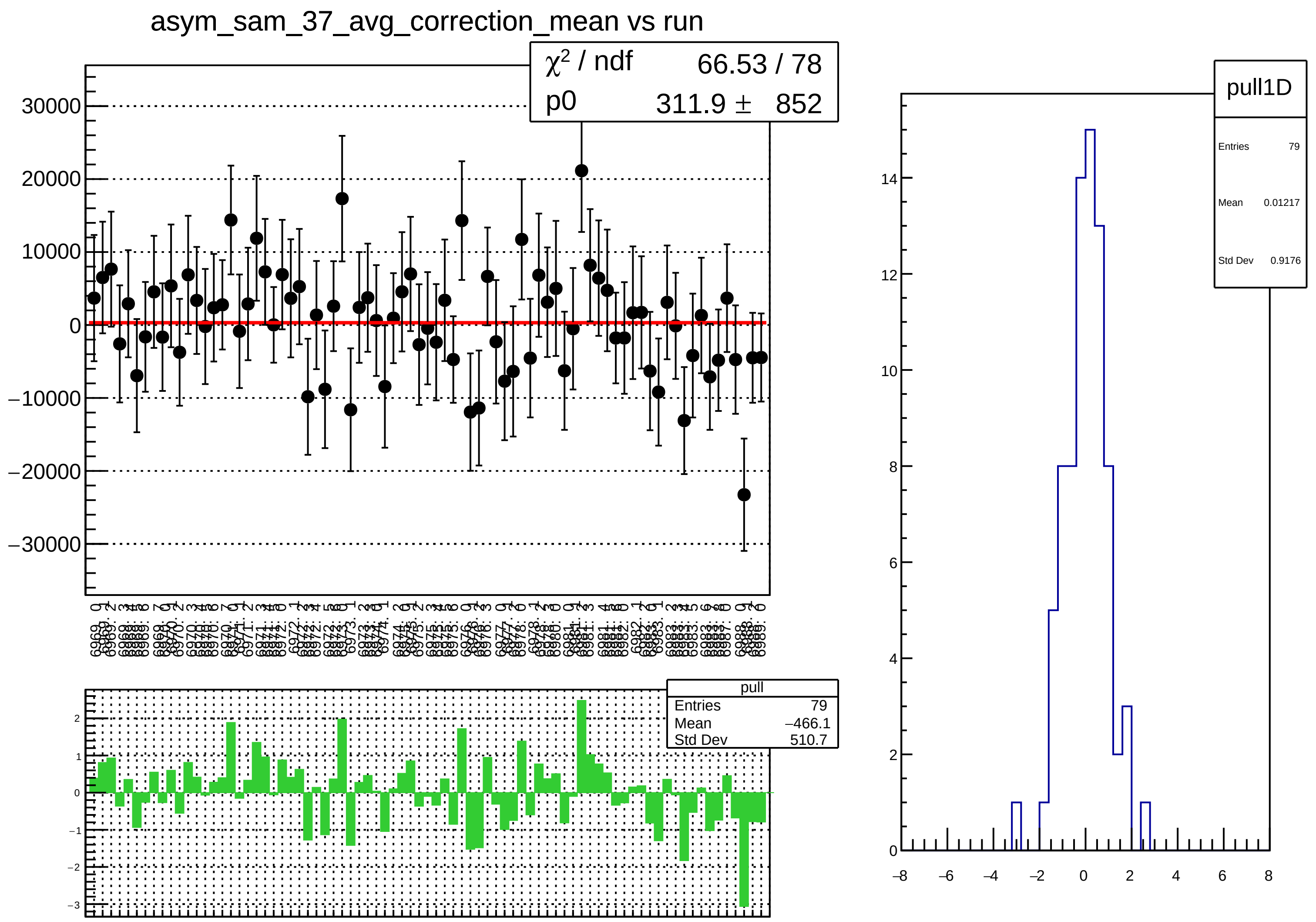

asym_sam_26_avg_mean vs run
χ^2 / ndf 77.74 / 78
p0 −833.5 ± 814.4
pull
Entries 79
Mean −281.6
Std Dev 328.8
pull1D
Entries 79
Mean −0.02004
Std Dev 0.9918



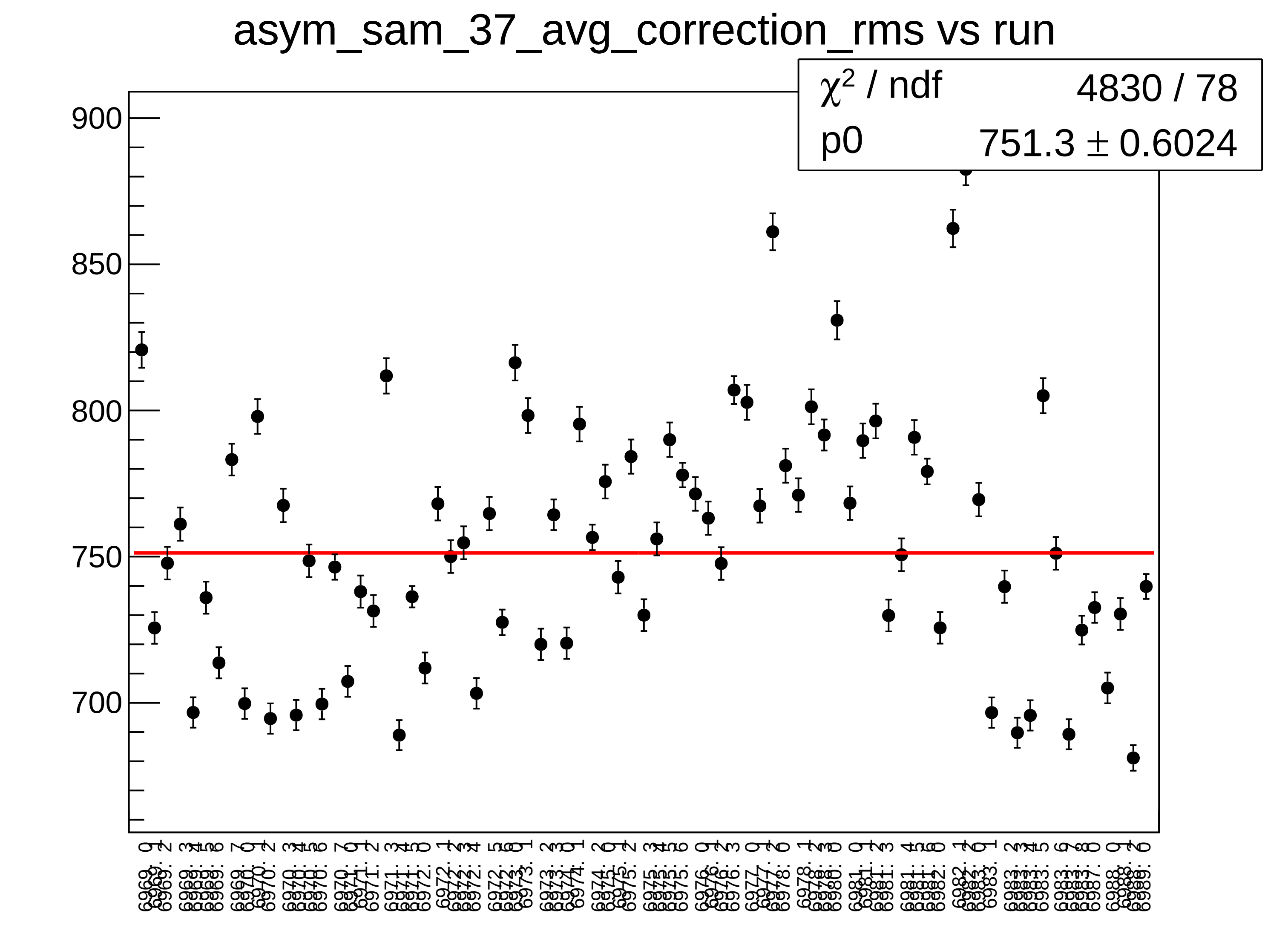
asym_sam_26_avg_rms vs run
χ2 / ndf 1.284e+04 / 78
p0 716.3 ± 0.5758
900
850
800
750
700
650
600


dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 87.17 / 78
p0 −78.12 ± 78.66
pull
Entries 79
Mean −3102
Std Dev 3135
pull1D
Entries 79
Mean 0.0007581
Std Dev 1.05

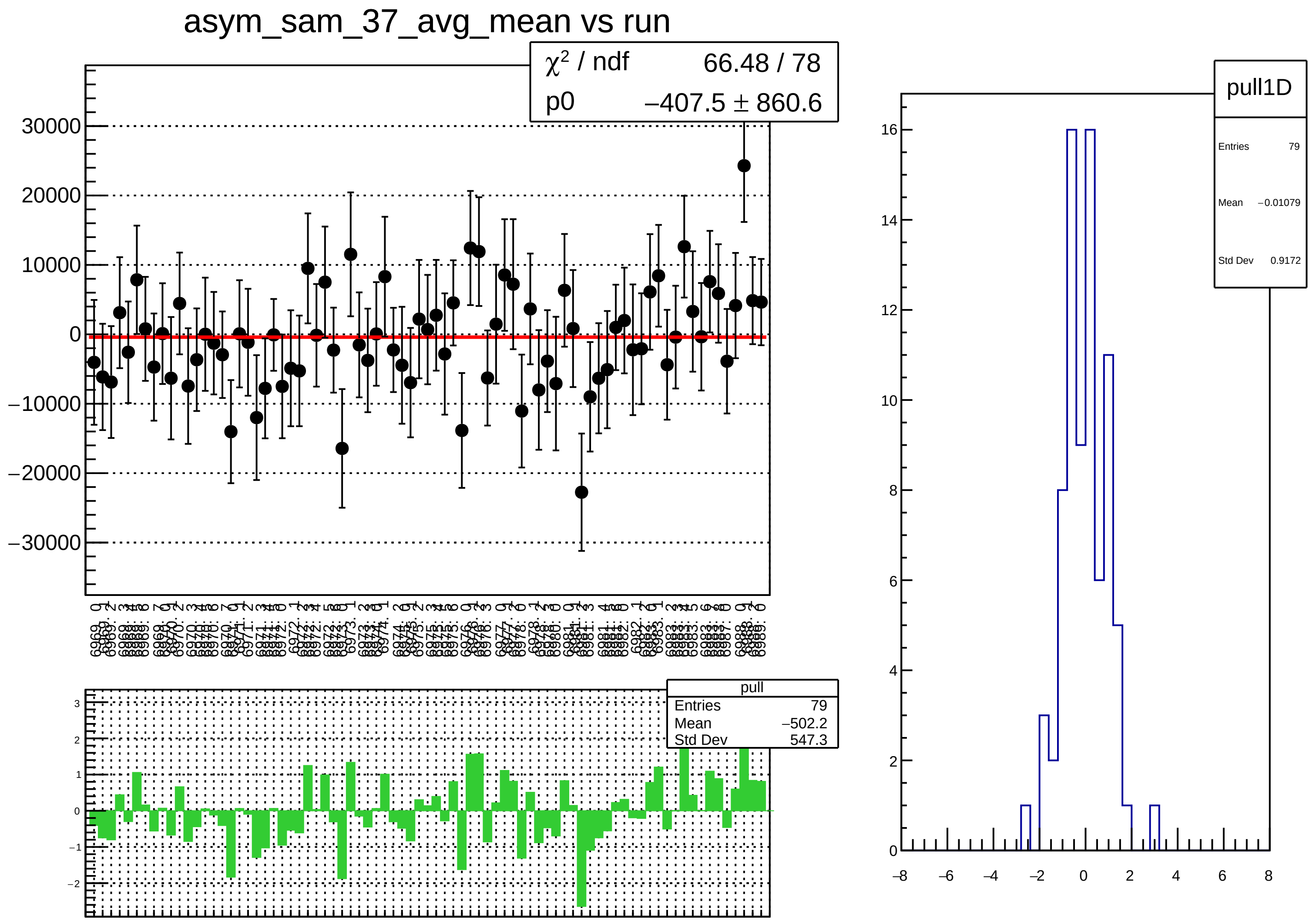

dit_asym_sam_37_avg_rms vs run
χ2 / ndf 1.218e+04 / 78
p0 69.2 ± 0.05562
100
95
90
85
80
75
70
65
60



asym_sam_37_avg_correction_mean vs run
χ² / ndf 66.53 / 78
p0 311.9 ± 852
pull
Entries 79
Mean −466.1
Std Dev 510.7
pull1D
Entries 79
Mean 0.01217
Std Dev 0.9176

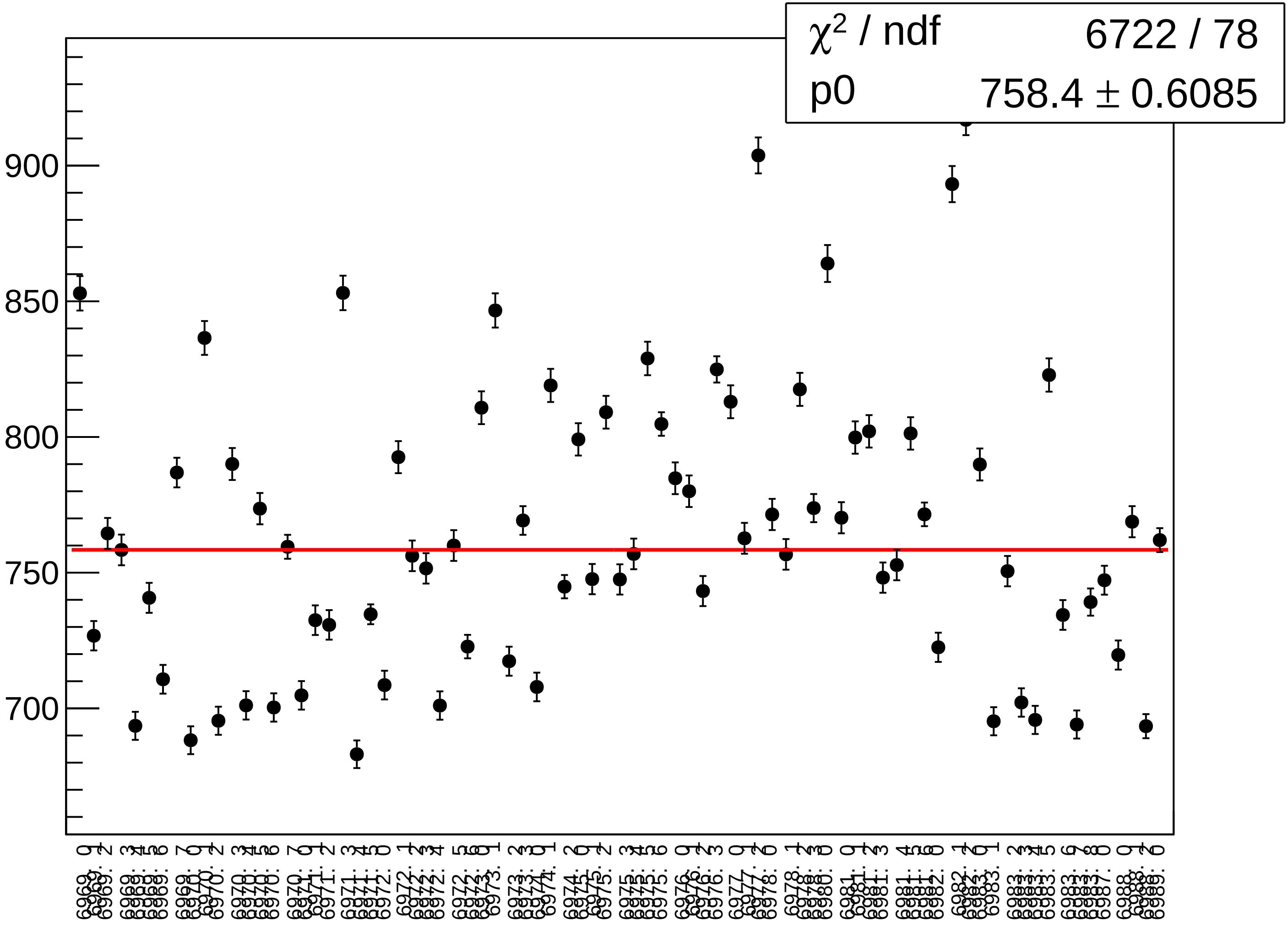


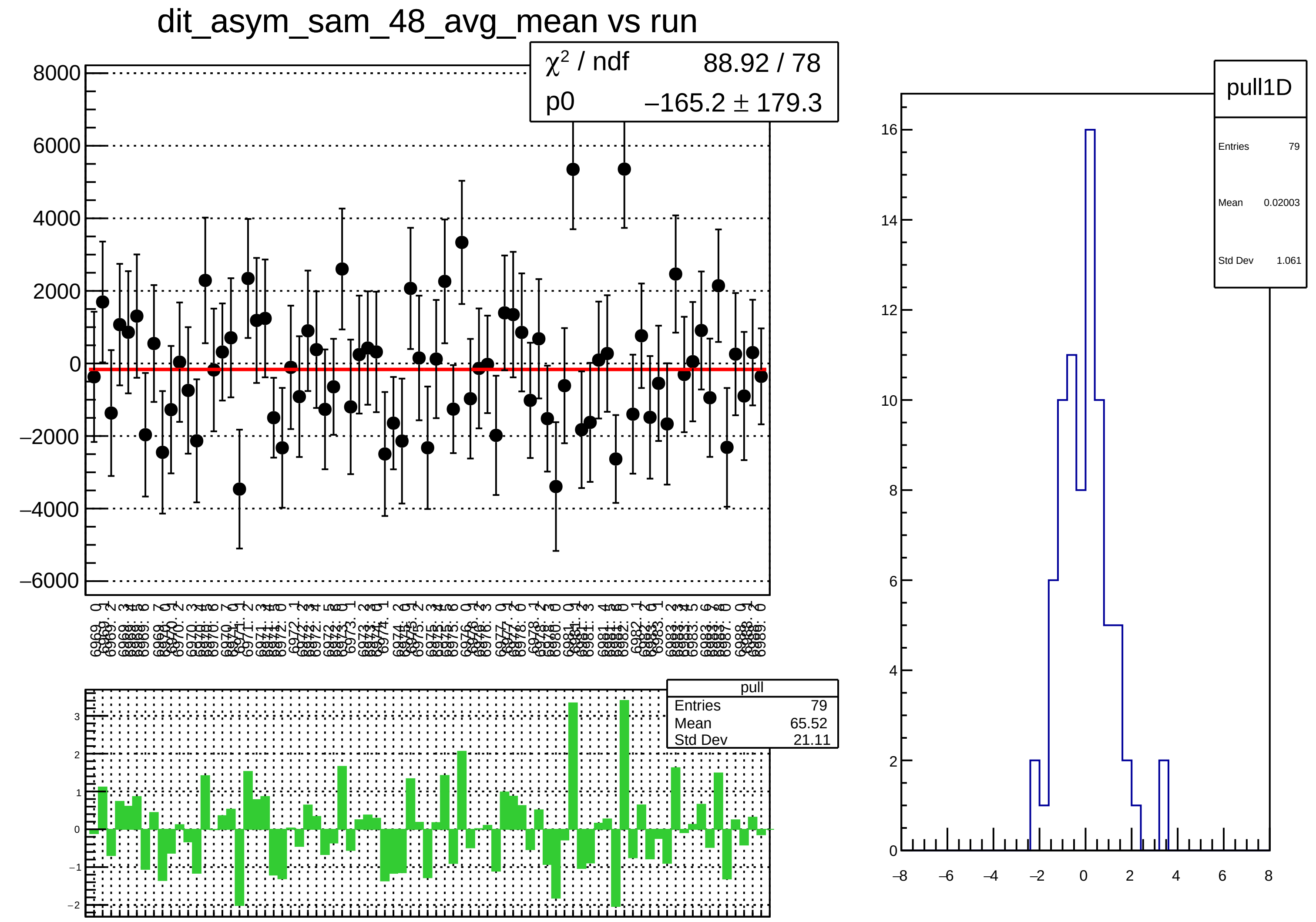
asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 4830 / 78
p0 751.3 ± 0.6024
900
850
800
750
700



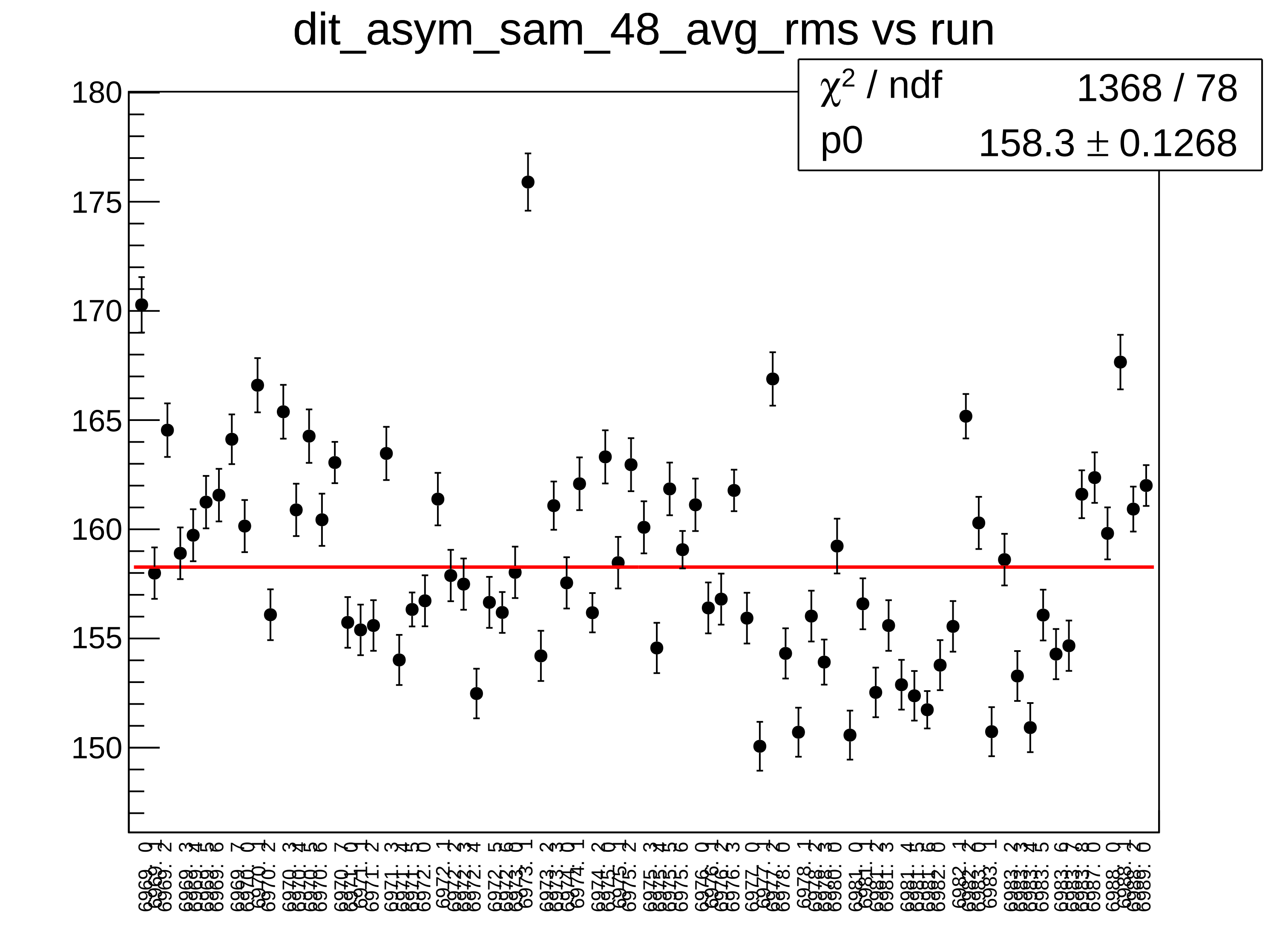
asym_sam_37_avg_mean vs run
χ² / ndf 66.48 / 78
p0 −407.5 ± 860.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 79
Mean −502.2
Std Dev 547.3
pull1D
Entries 79
Mean −0.01079
Std Dev 0.9172

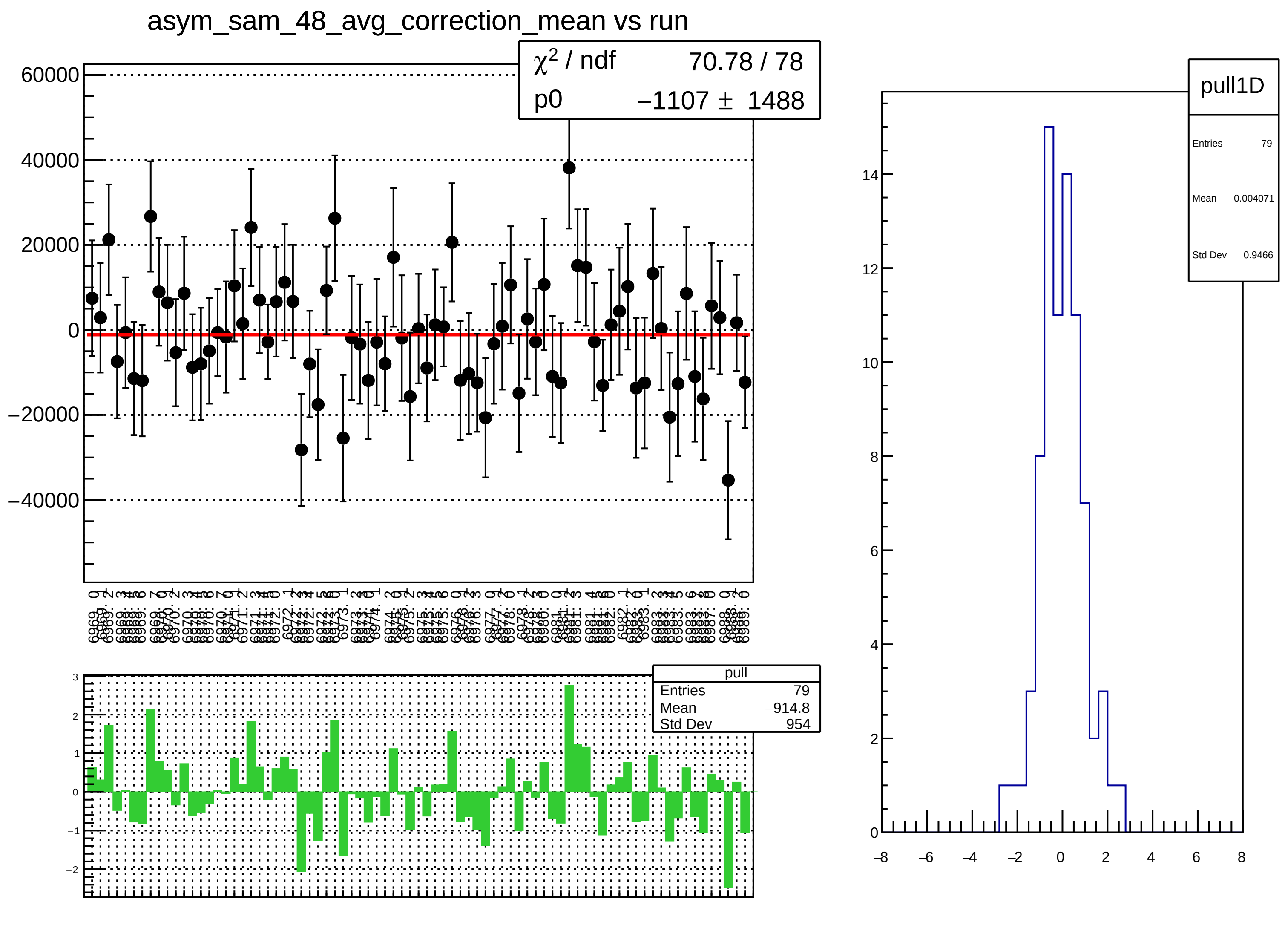
asym_sam_37_avg_rms vs run



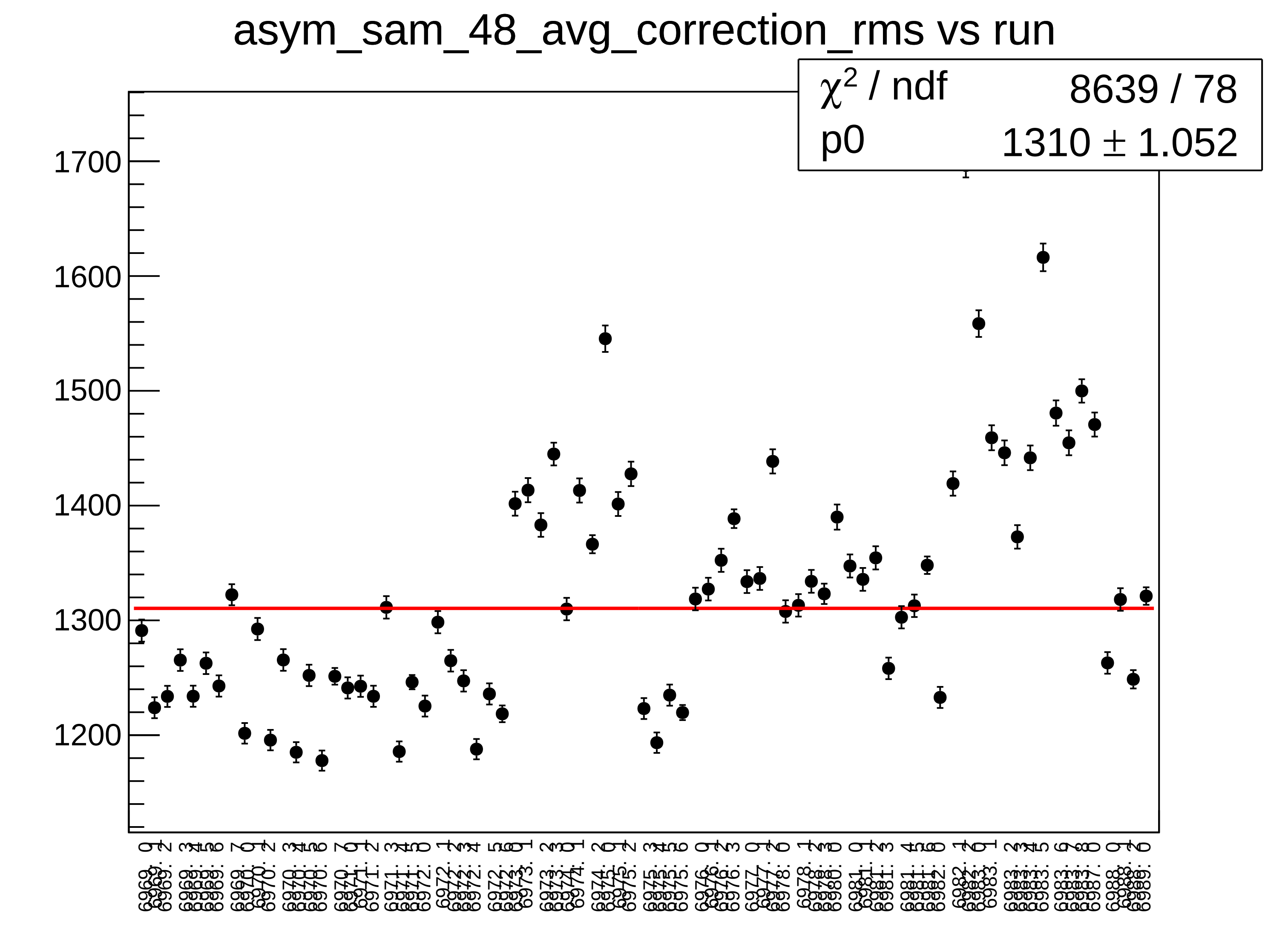


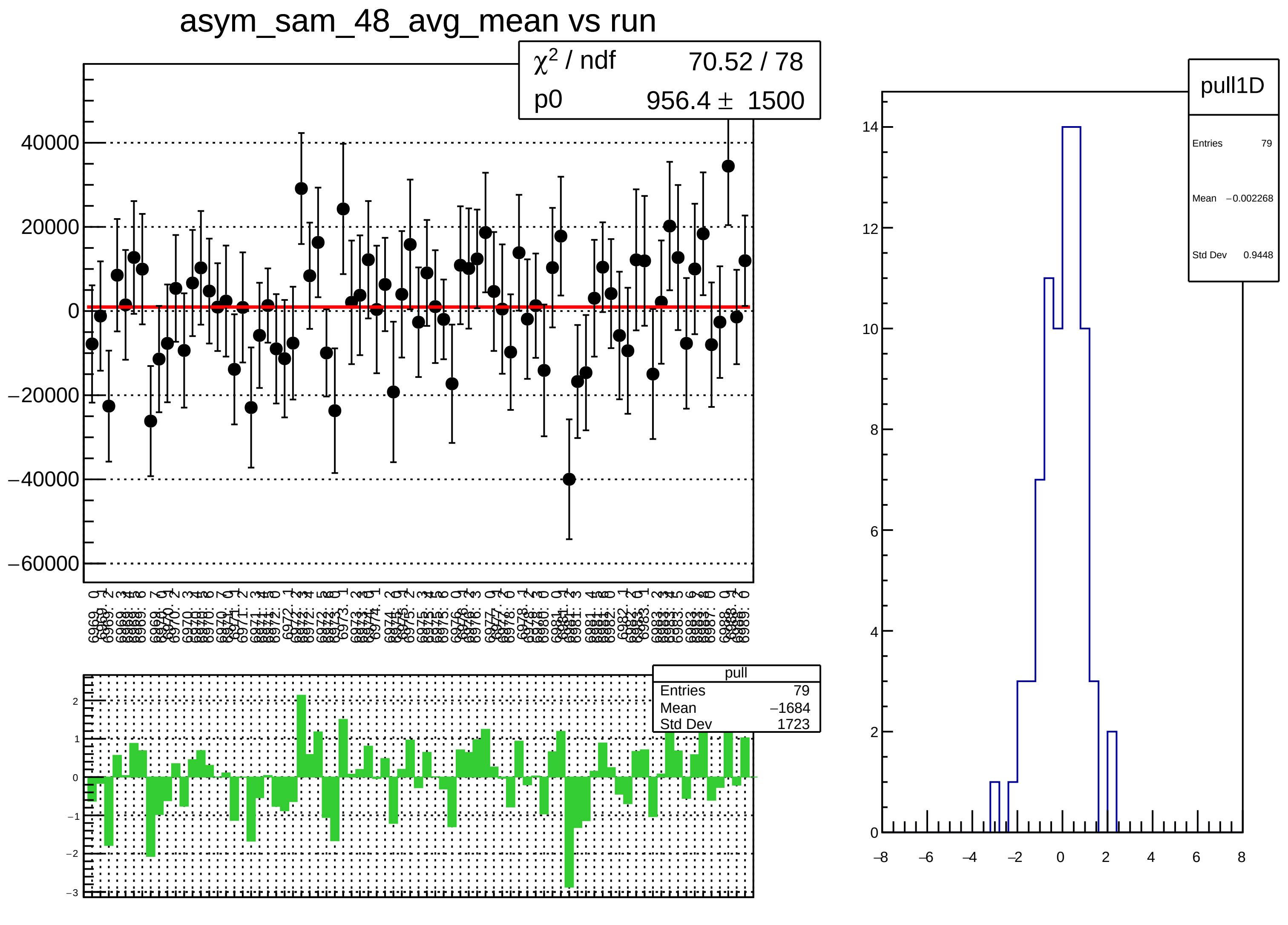
dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 88.92 / 78
p0 −165.2 ± 179.3
pull
Entries 79
Mean 65.52
Std Dev 21.11
pull1D
Entries 79
Mean 0.02003
Std Dev 1.061


dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1368 / 78
p0 158.3 ± 0.1268
180
175
170
165
160
155
150

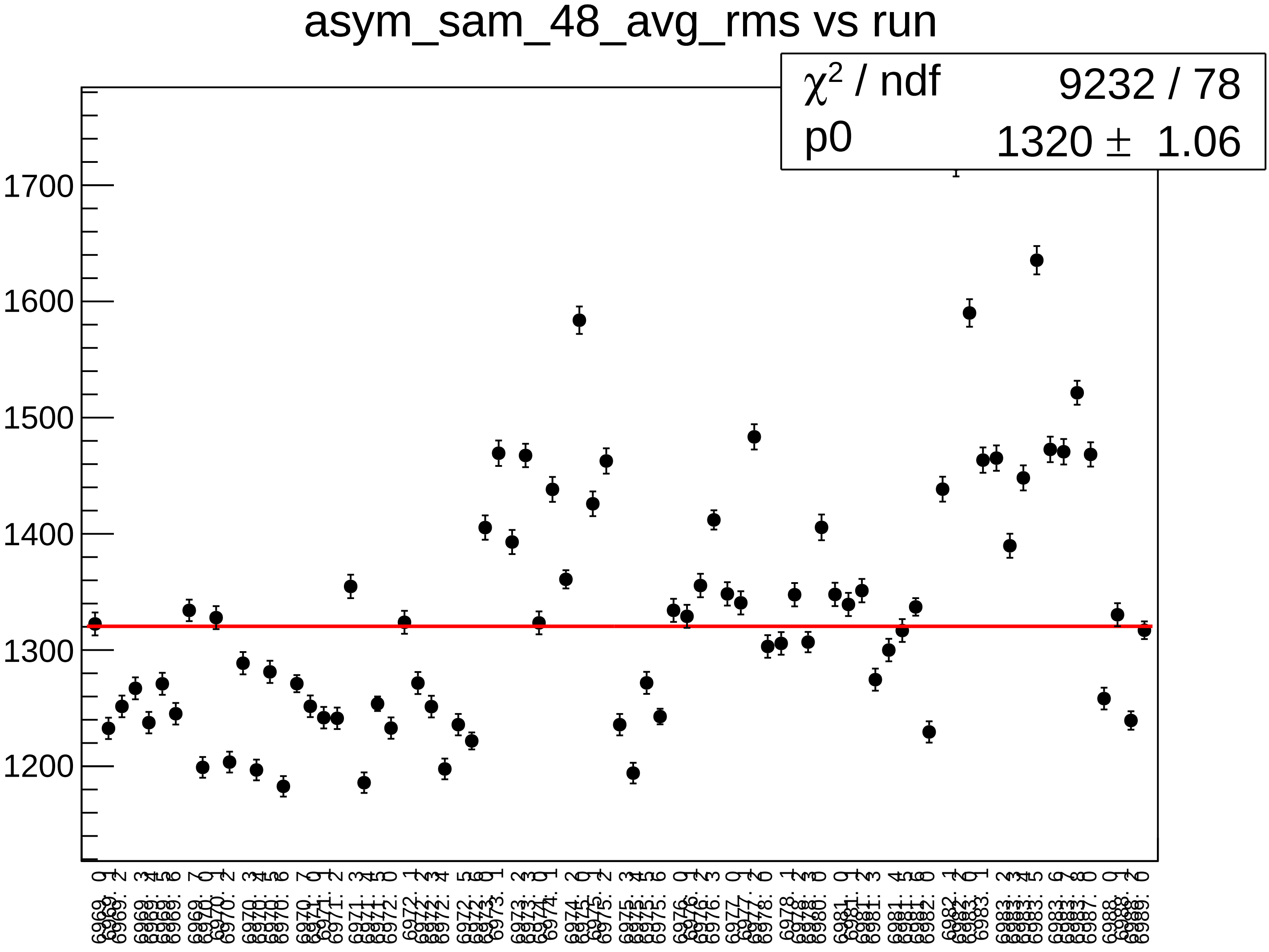


asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 70.78 / 78
p0 −1107 ± 1488
pull
Entries 79
Mean −914.8
Std Dev 954
pull1D
Entries 79
Mean 0.004071
Std Dev 0.9466

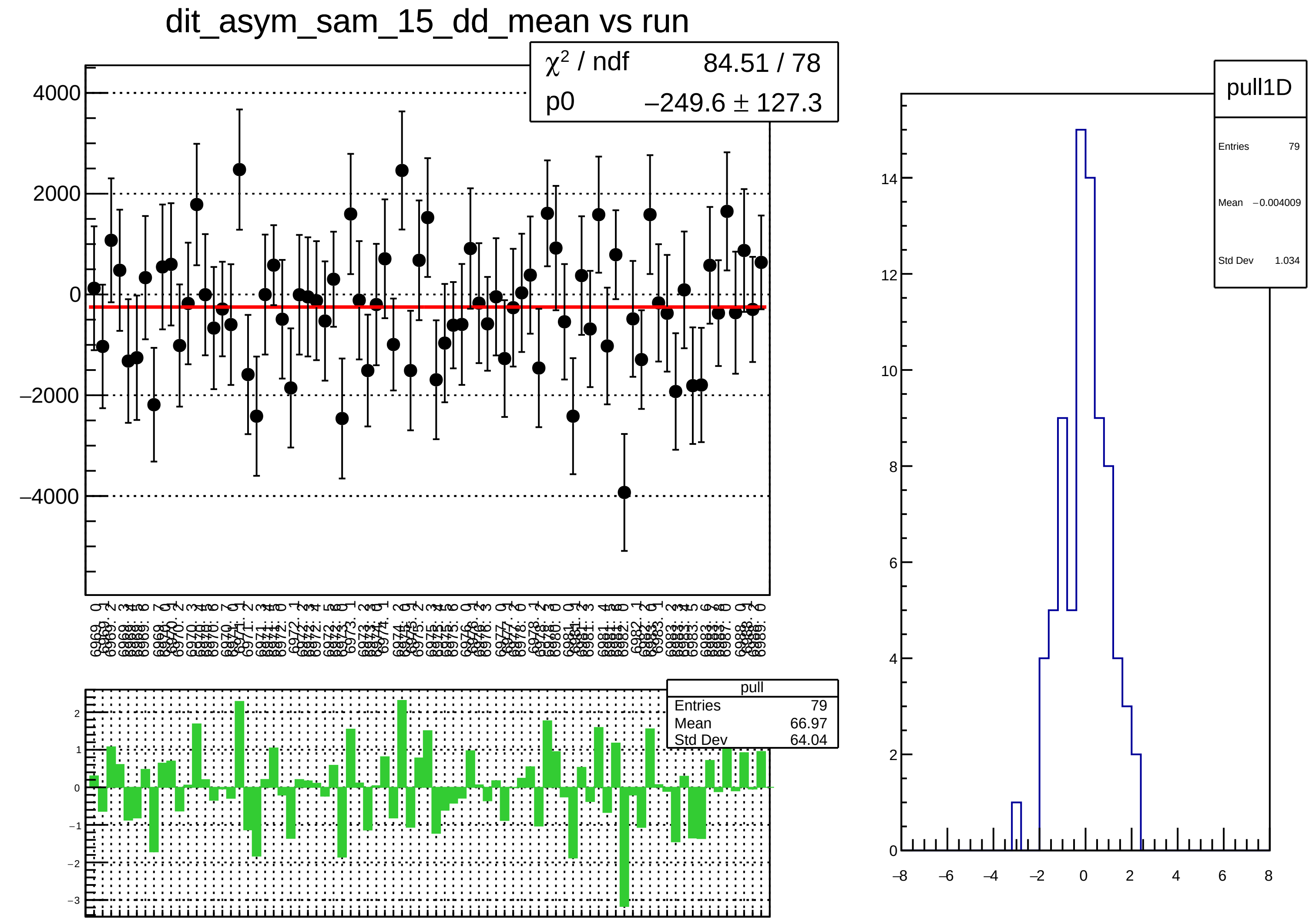

asym_sam_48_avg_correction_rms vs run
χ2 / ndf 8639 / 78
p0 1310 ± 1.052
1700
1600
1500
1400
1300
1200



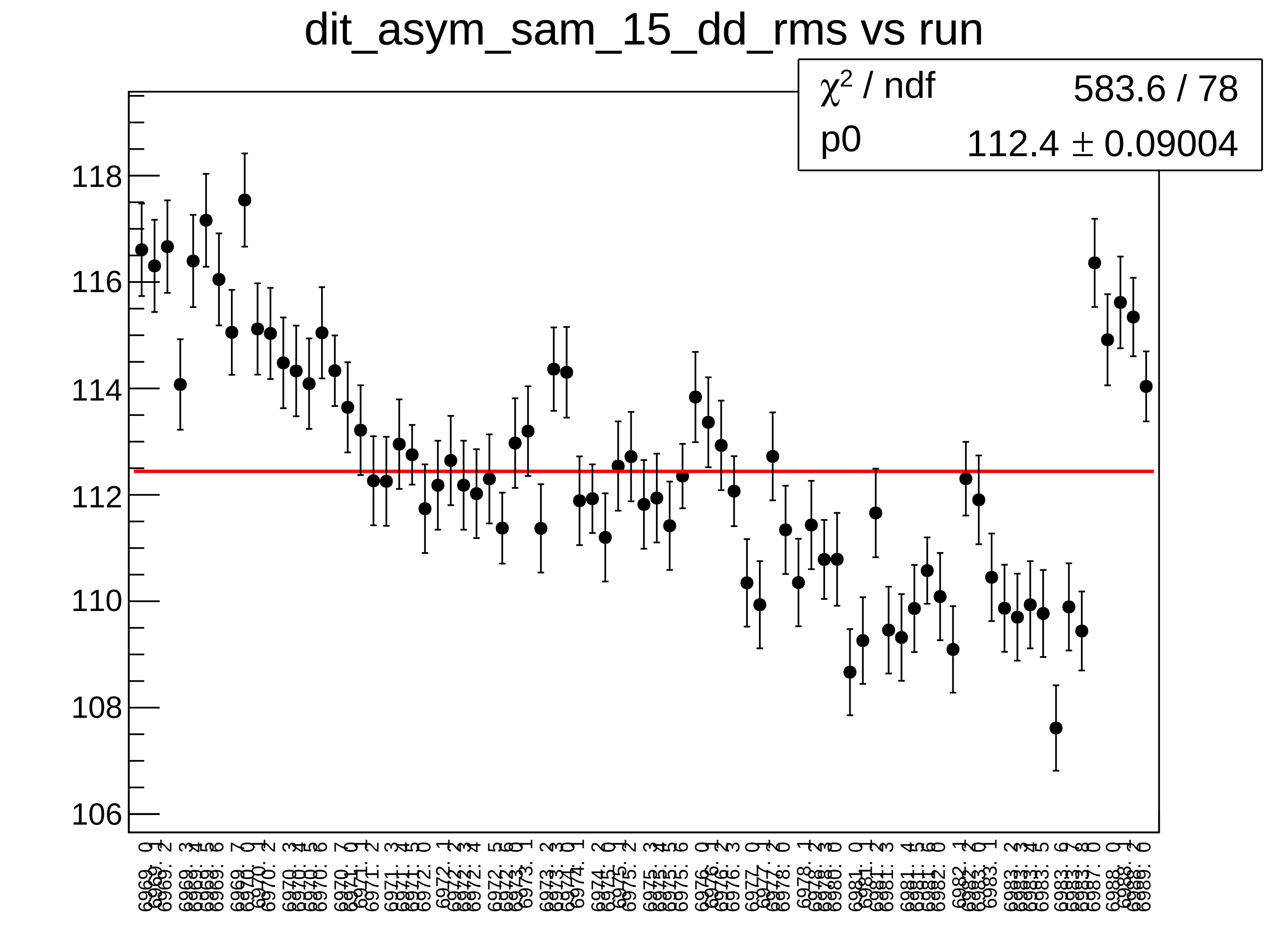
asym_sam_48_avg_mean vs run
χ^2 / ndf 70.52 / 78
p0 956.4 ± 1500
pull
Entries 79
Mean −1684
Std Dev 1723
pull1D
Entries 79
Mean −0.002268
Std Dev 0.9448



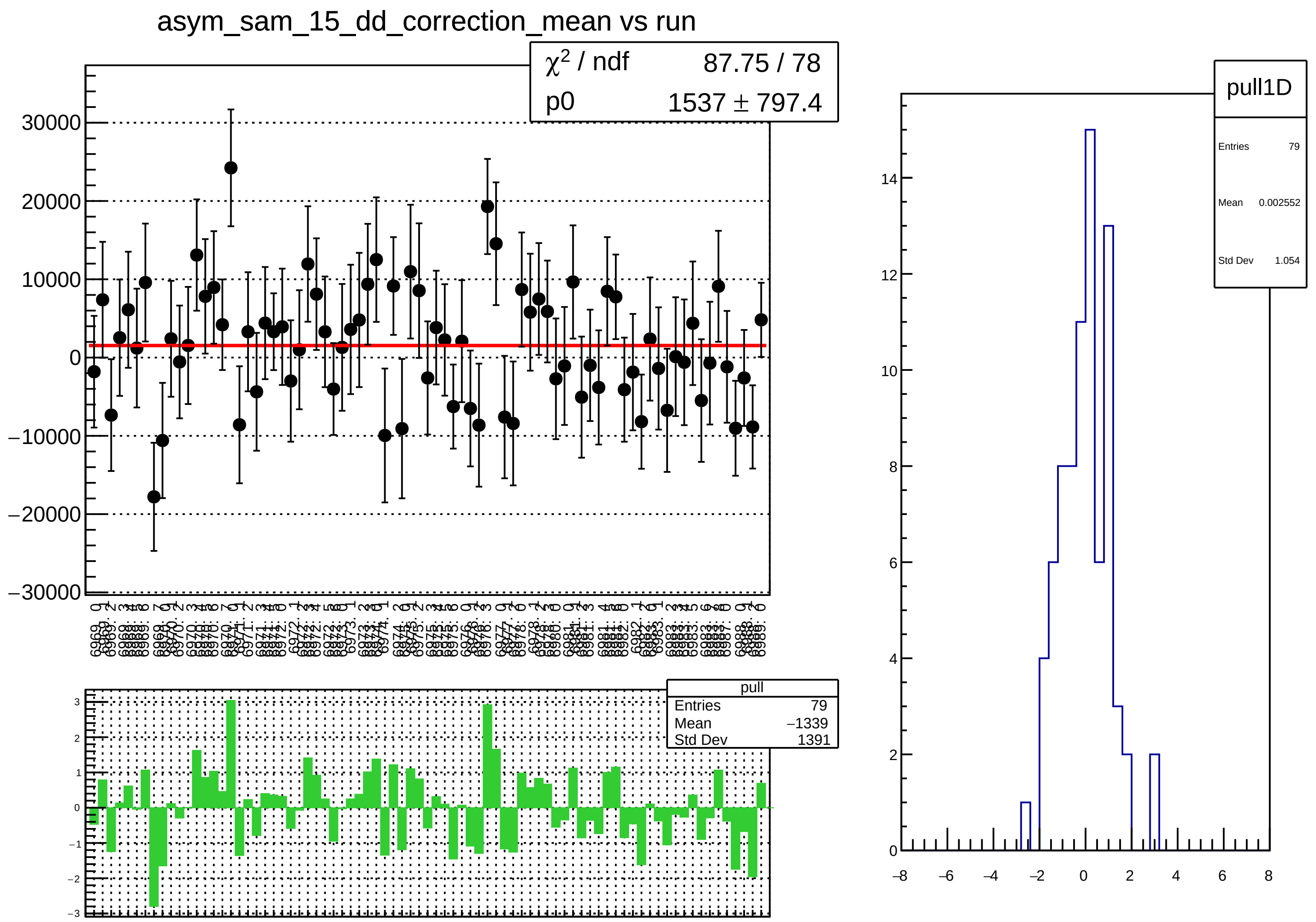
asym_sam_48_avg_rms vs run
χ^2 / ndf 9232 / 78
p0 1320 ± 1.06
1700
1600
1500
1400
1300
1200



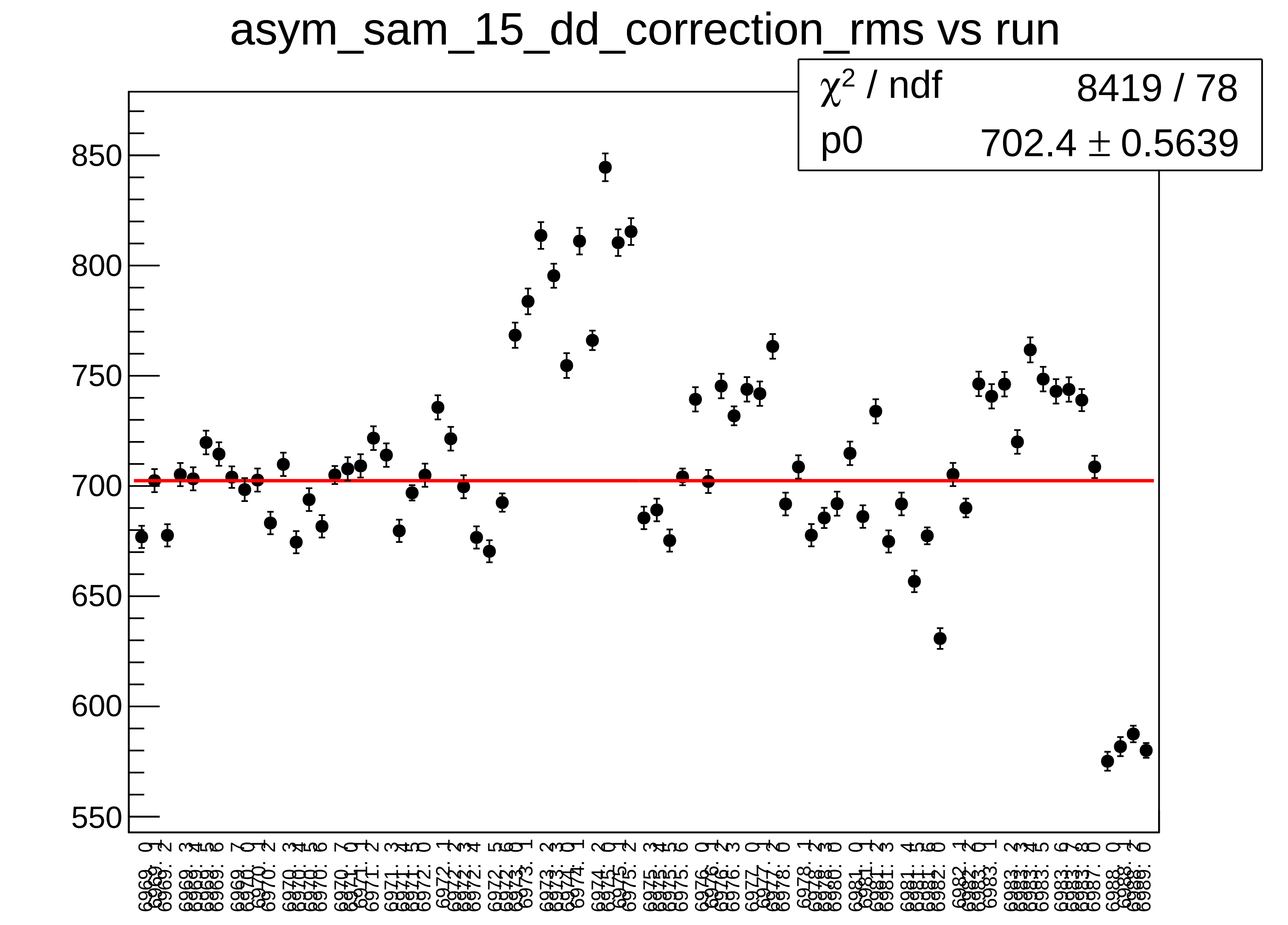
dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 84.51 / 78
p0 −249.6 ± 127.3
pull
Entries 79
Mean 66.97
Std Dev 64.04
pull1D
Entries 79
Mean −0.004009
Std Dev 1.034



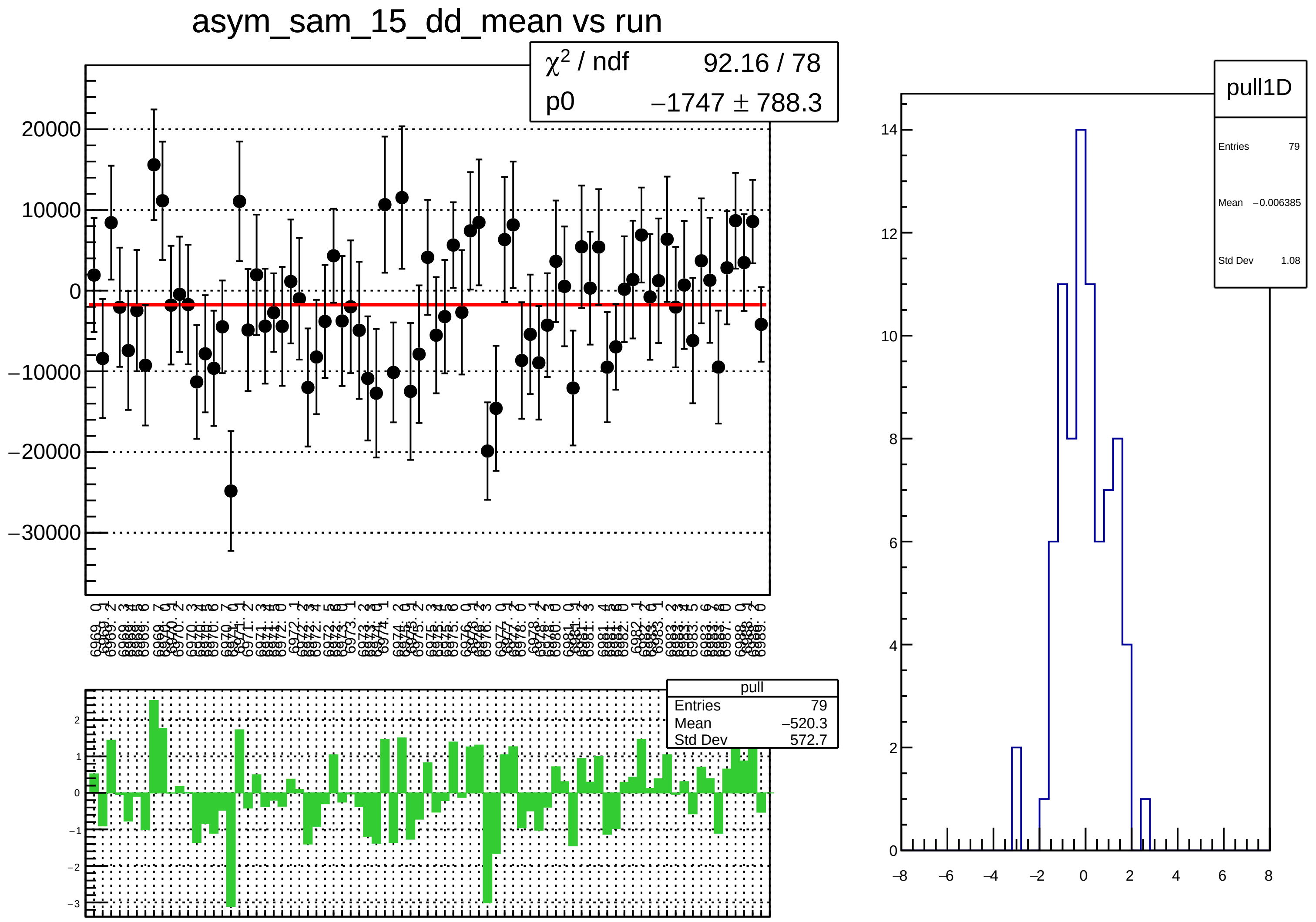
dit_asym_sam_15_dd_rms vs run
χ2 / ndf 583.6 / 78
p0 112.4 ± 0.09004
118
116
114
112
110
108
106



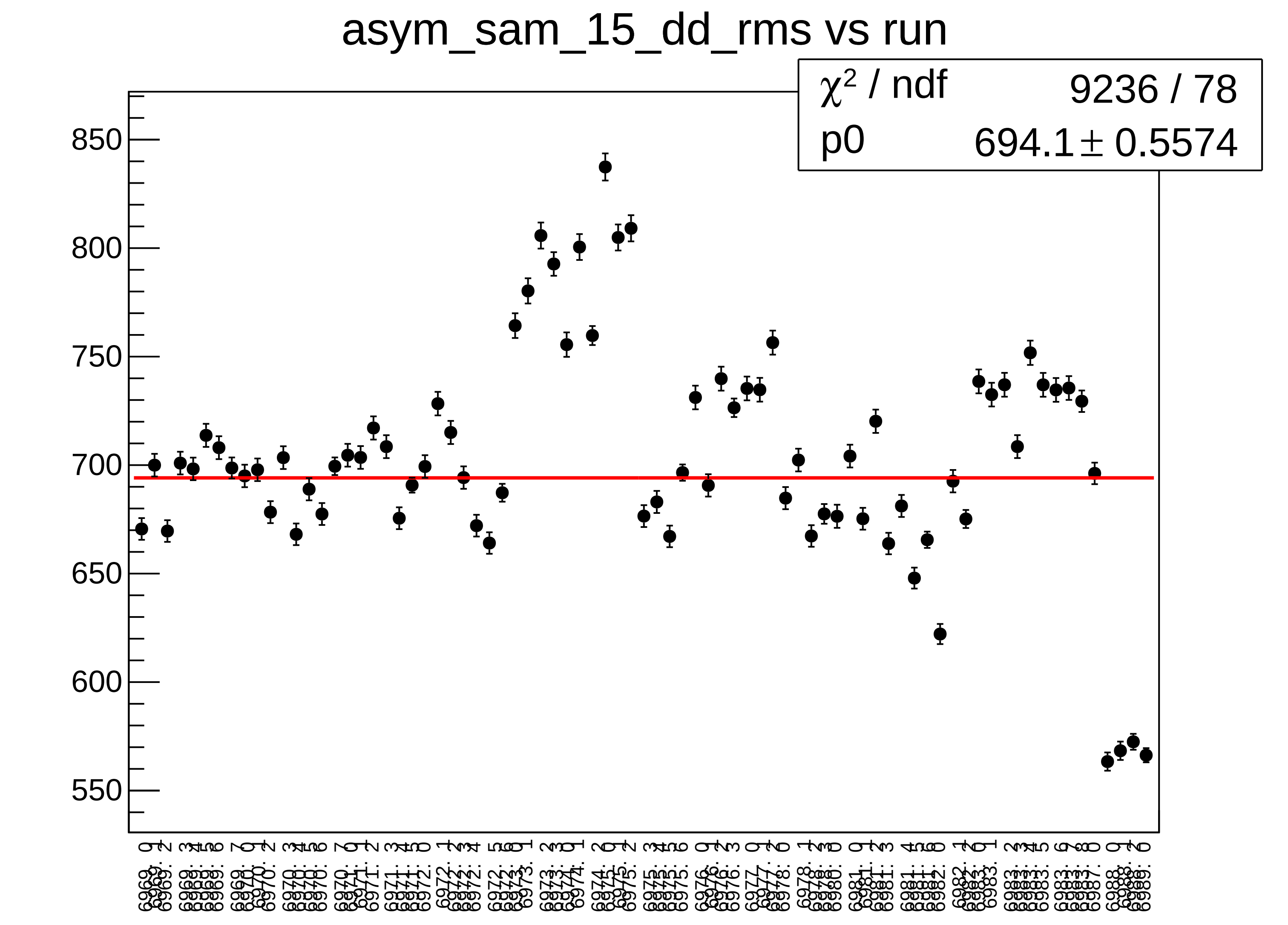
asym_sam_15_dd_correction_mean vs run
χ2 / ndf 87.75 / 78
p0 1537 ± 797.4
pull
Entries 79
Mean −1339
Std Dev 1391
pull1D
Entries 79
Mean 0.002552
Std Dev 1.054



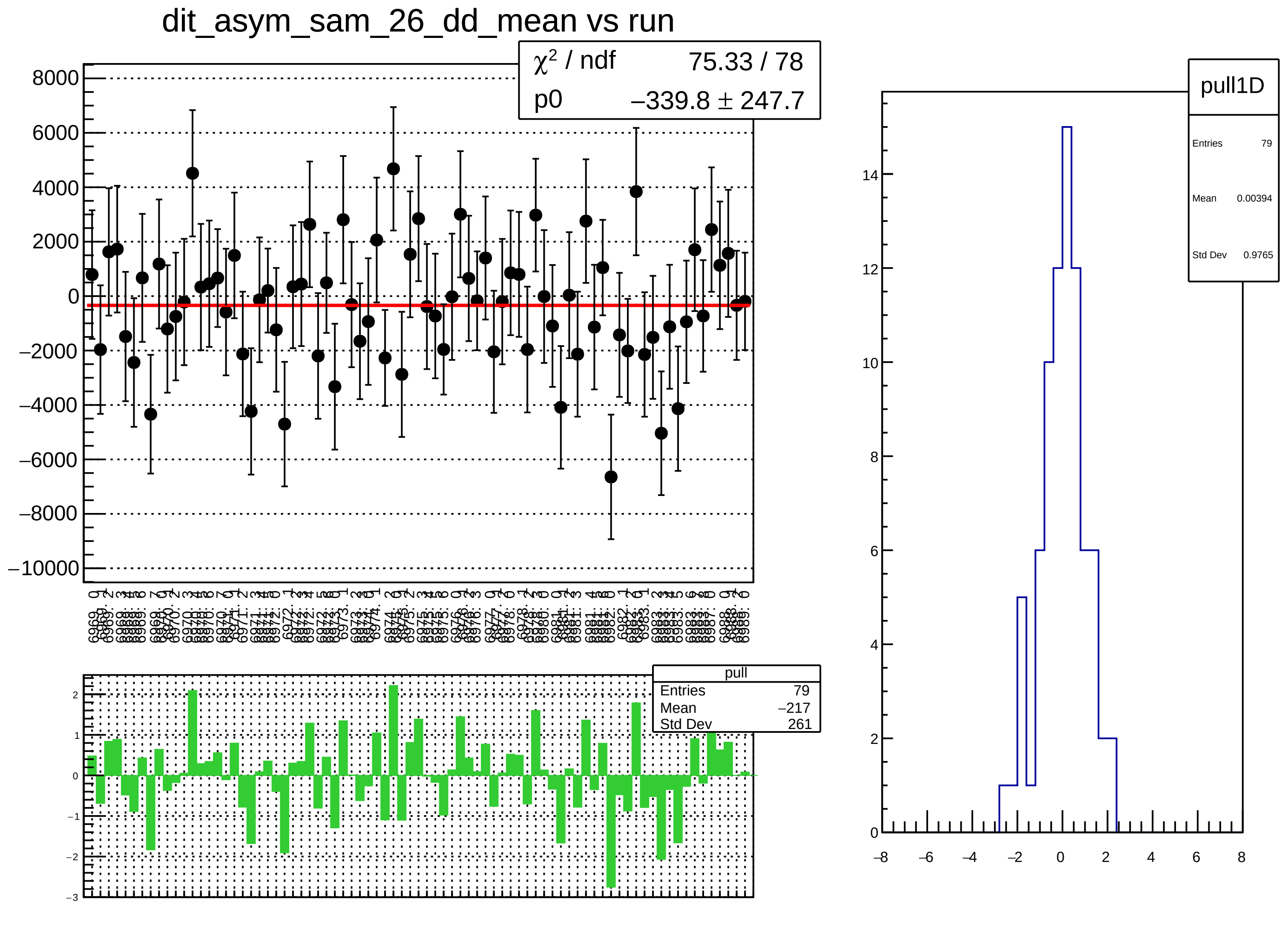
asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 8419 / 78
p0 702.4 ± 0.5639
850
800
750
700
650
600
550



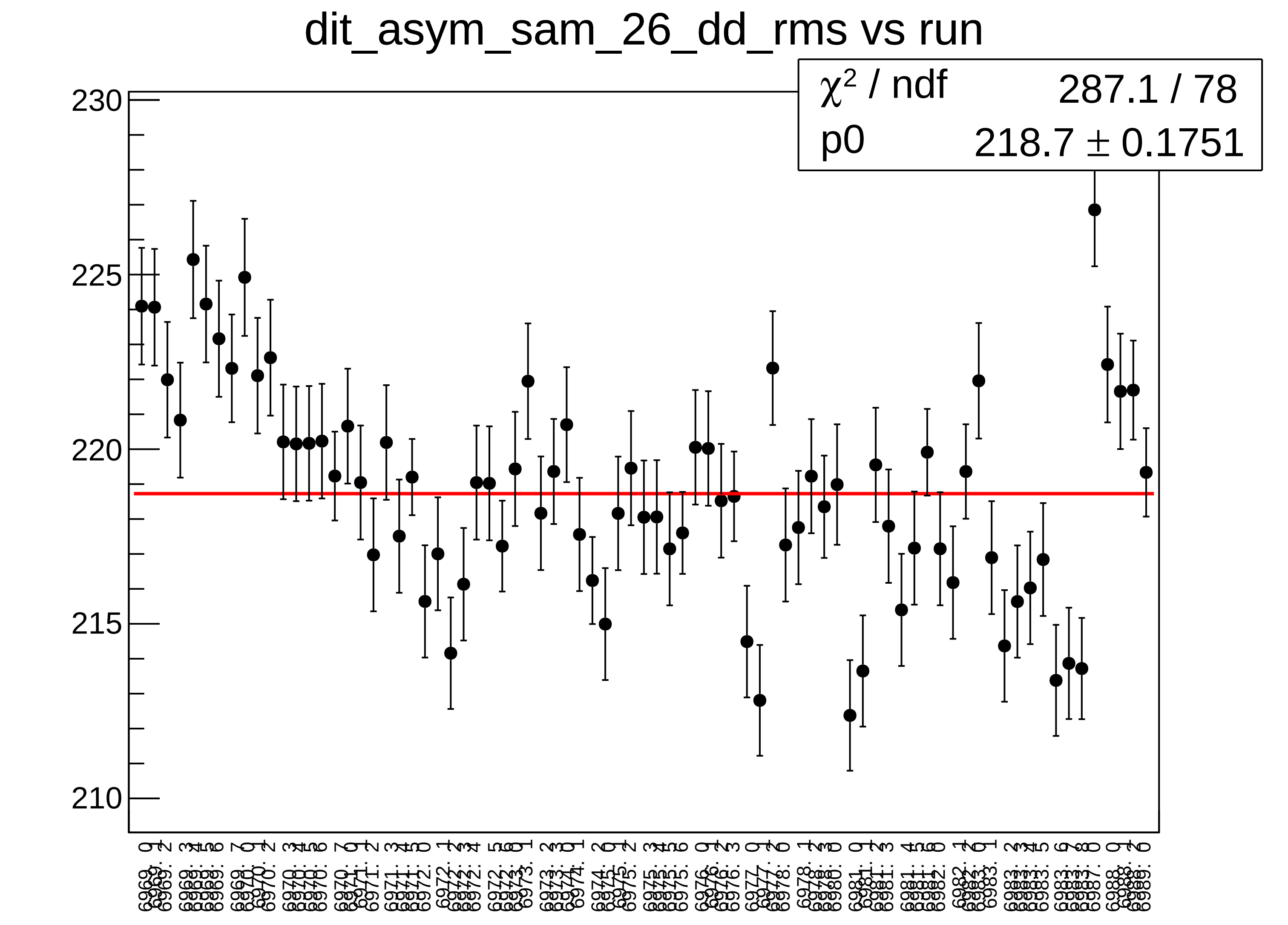
asym_sam_15_dd_mean vs run
χ^2 / ndf 92.16 / 78
p0 −1747 ± 788.3
pull
Entries 79
Mean −520.3
Std Dev 572.7
pull1D
Entries 79
Mean −0.006385
Std Dev 1.08



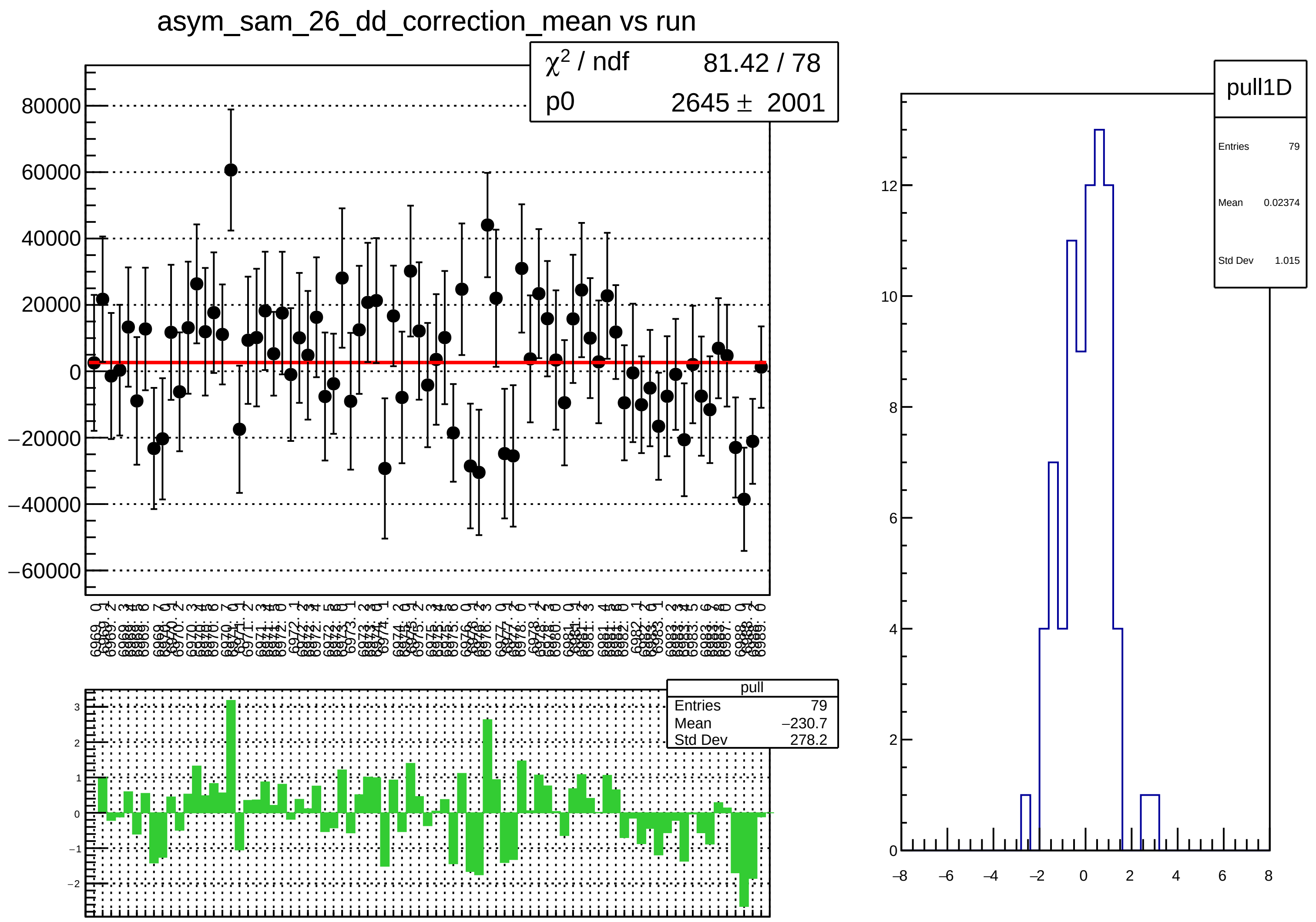
asym_sam_15_dd_rms vs run
χ^2 / ndf 9236 / 78
p0 694.1 ± 0.5574



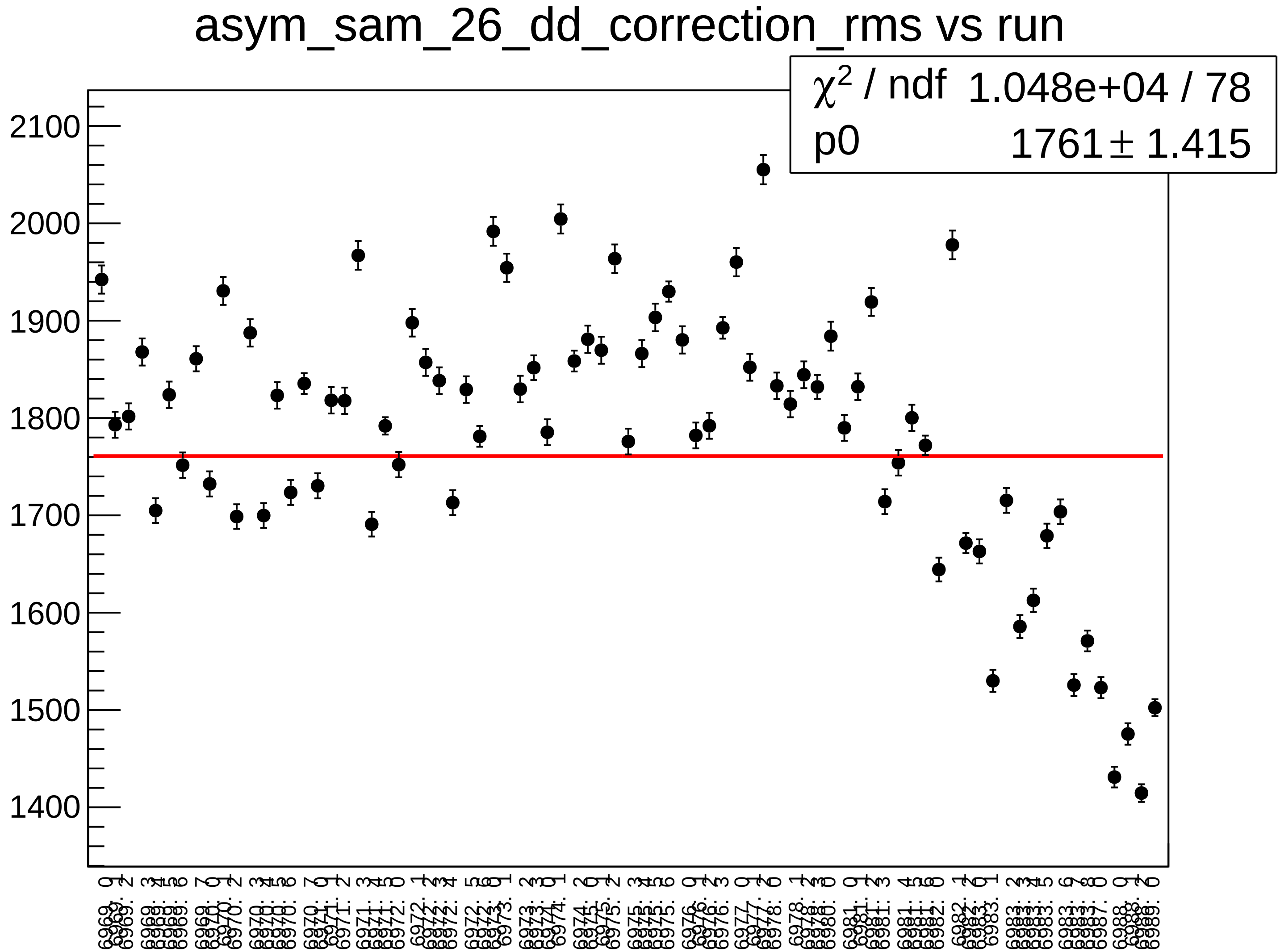
dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 75.33 / 78
p0 −339.8 ± 247.7
pull
Entries 79
Mean −217
Std Dev 261
pull1D
Entries 79
Mean 0.00394
Std Dev 0.9765

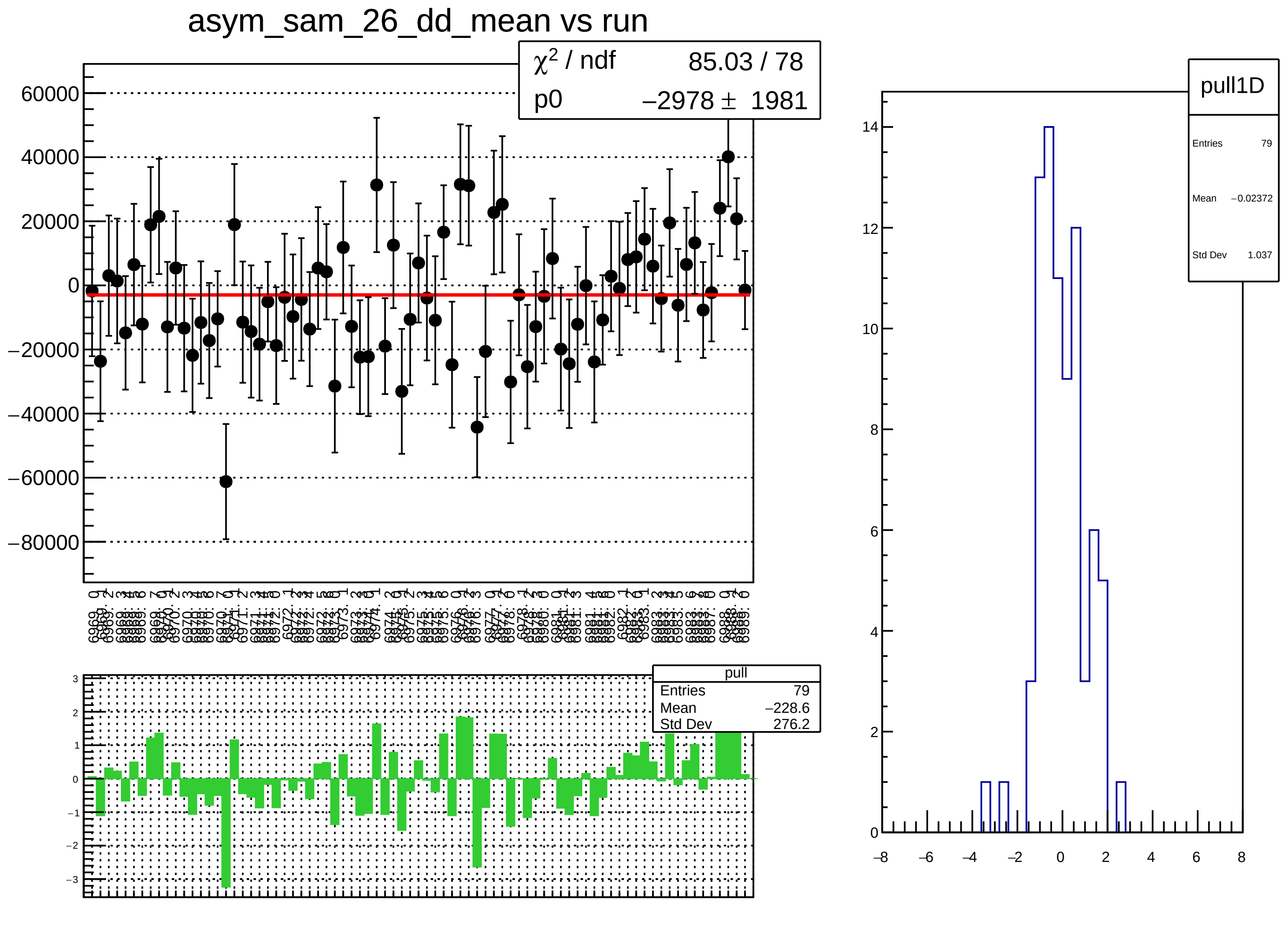


dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 287.1 / 78
p0 218.7 ± 0.1751
230
225
220
215
210

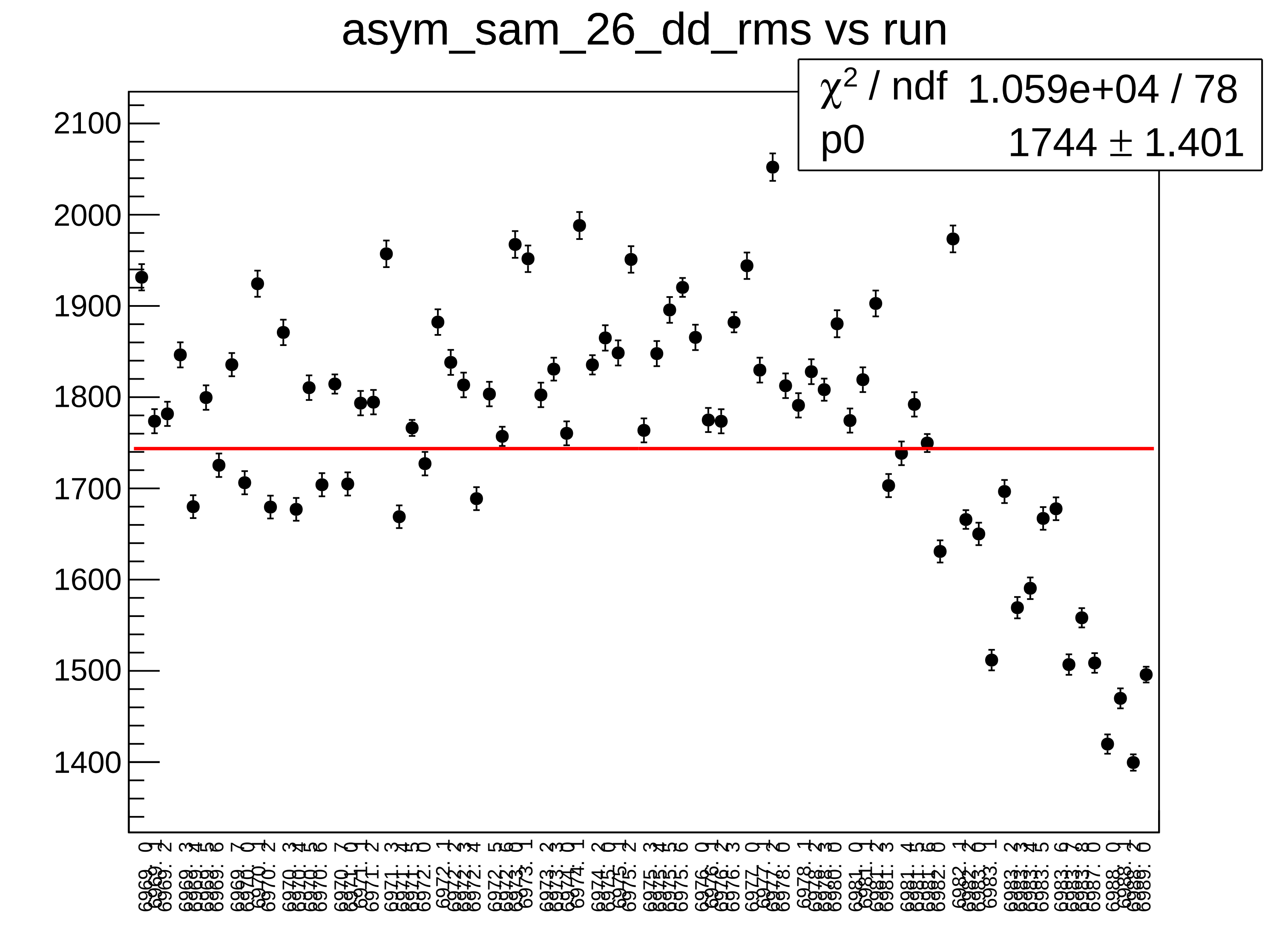


asym_sam_26_dd_correction_mean vs run
χ^2 / ndf 81.42 / 78
p0 2645 ± 2001
pull
Entries 79
Mean −230.7
Std Dev 278.2
pull1D
Entries 79
Mean 0.02374
Std Dev 1.015

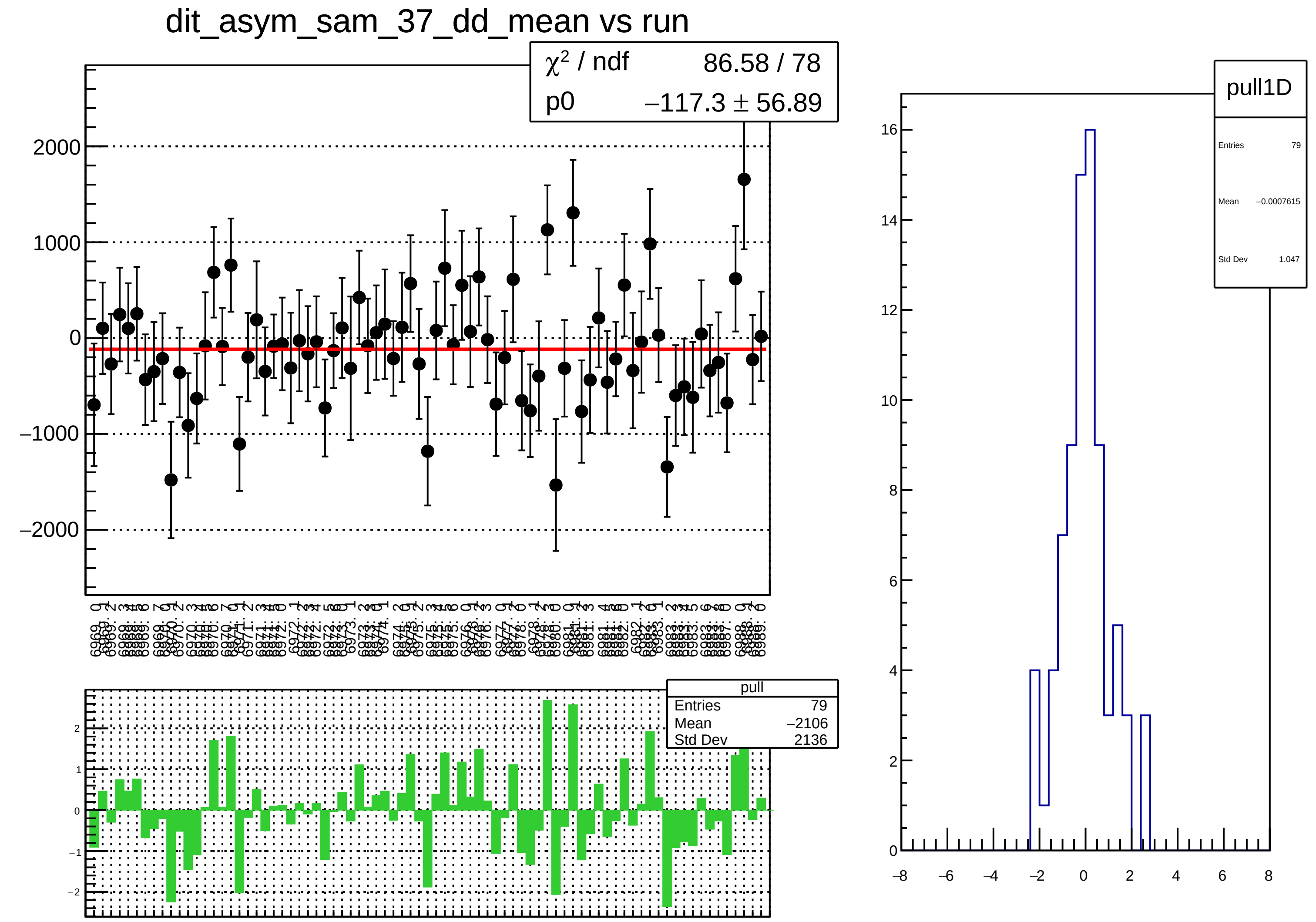

asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 1.048e+04 / 78
p0 1761 ± 1.415
2100
2000
1900
1800
1700
1600
1500
1400



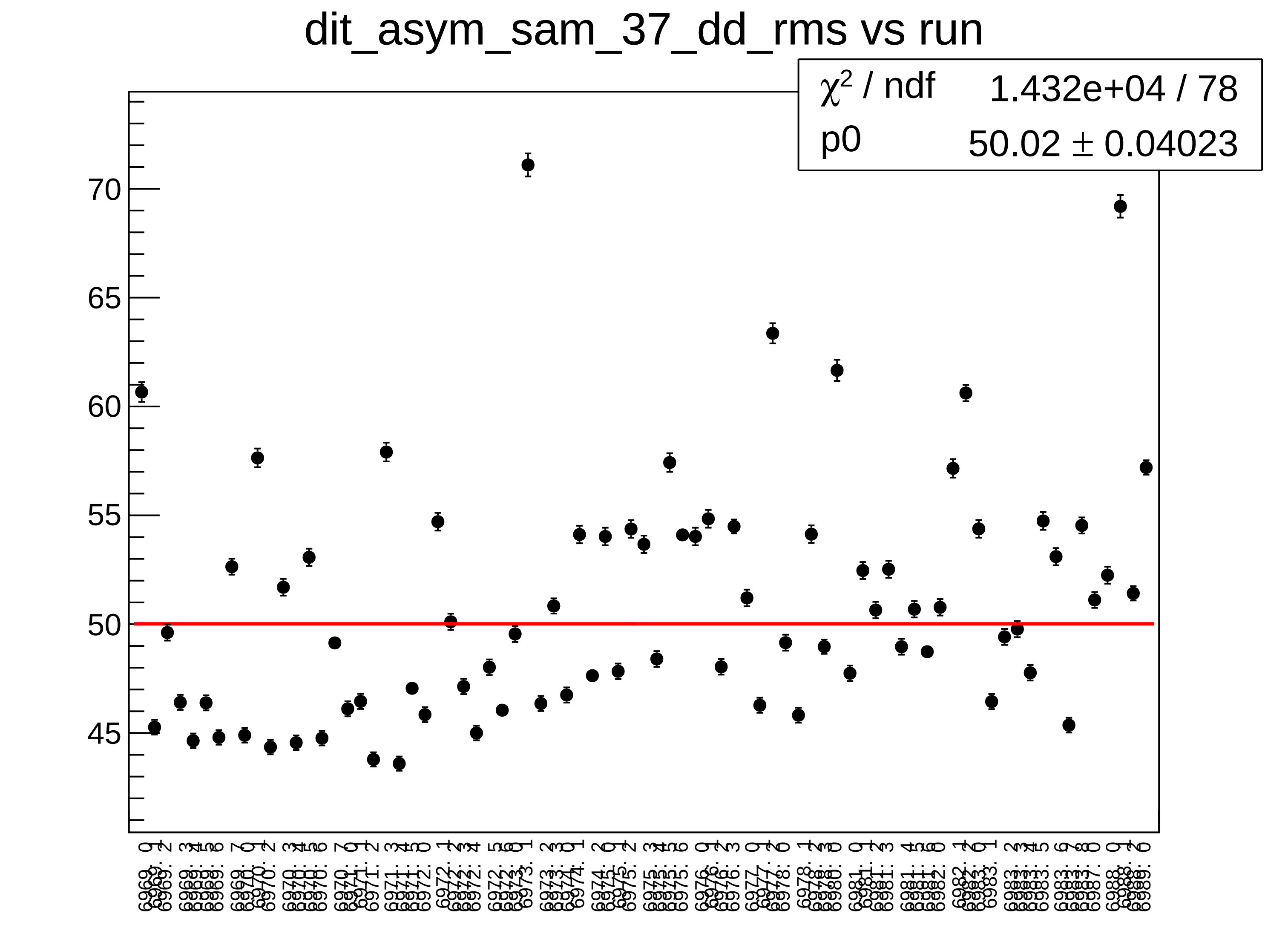
asym_sam_26_dd_mean vs run
χ^2 / ndf 85.03 / 78
p0 −2978 ± 1981
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 79
Mean −228.6
Std Dev 276.2
pull1D
Entries 79
Mean −0.02372
Std Dev 1.037

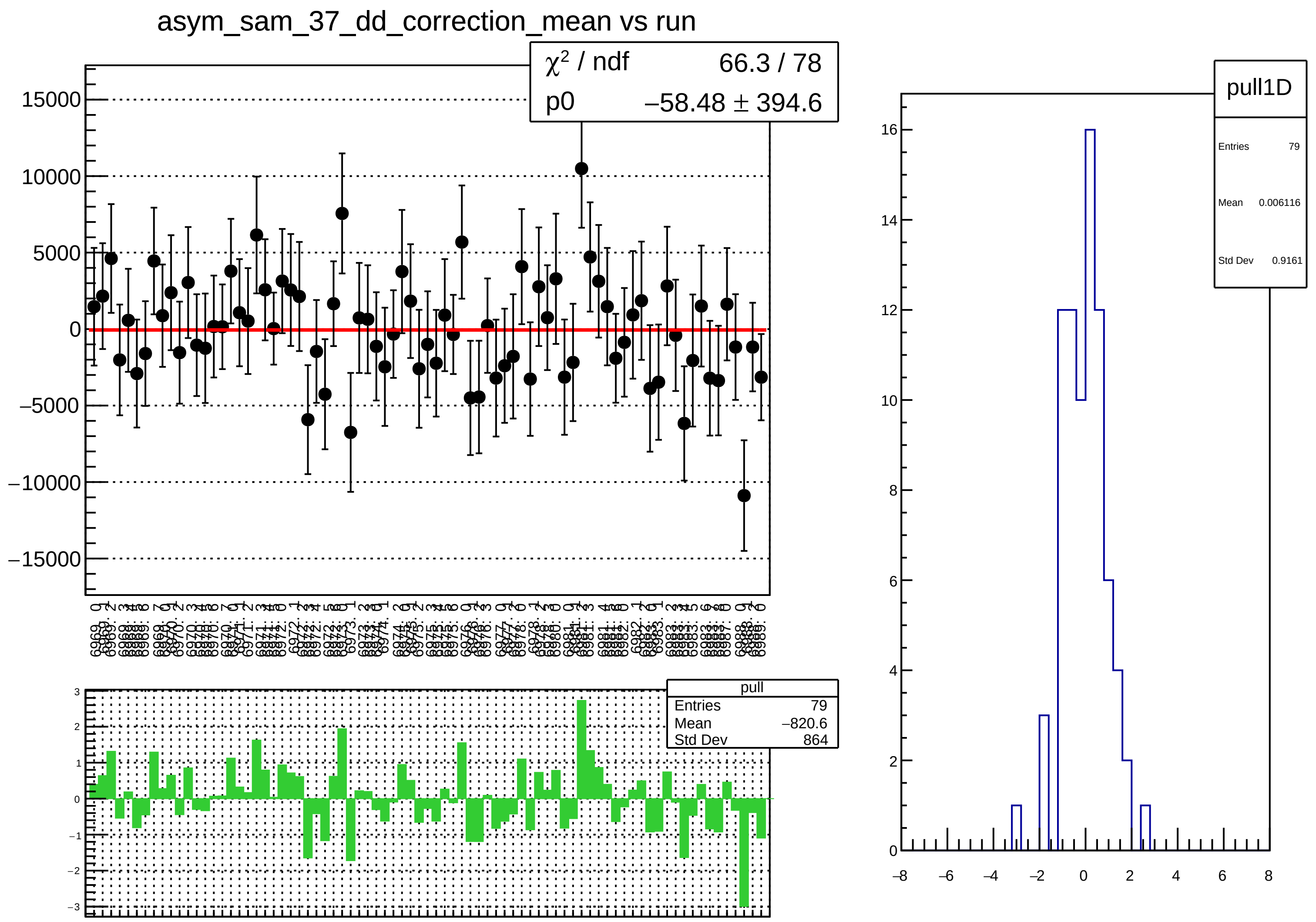


asym_sam_26_dd_rms vs run
χ^2 / ndf 1.059e+04 / 78
p0 1744 ± 1.401
2100
2000
1900
1800
1700
1600
1500
1400

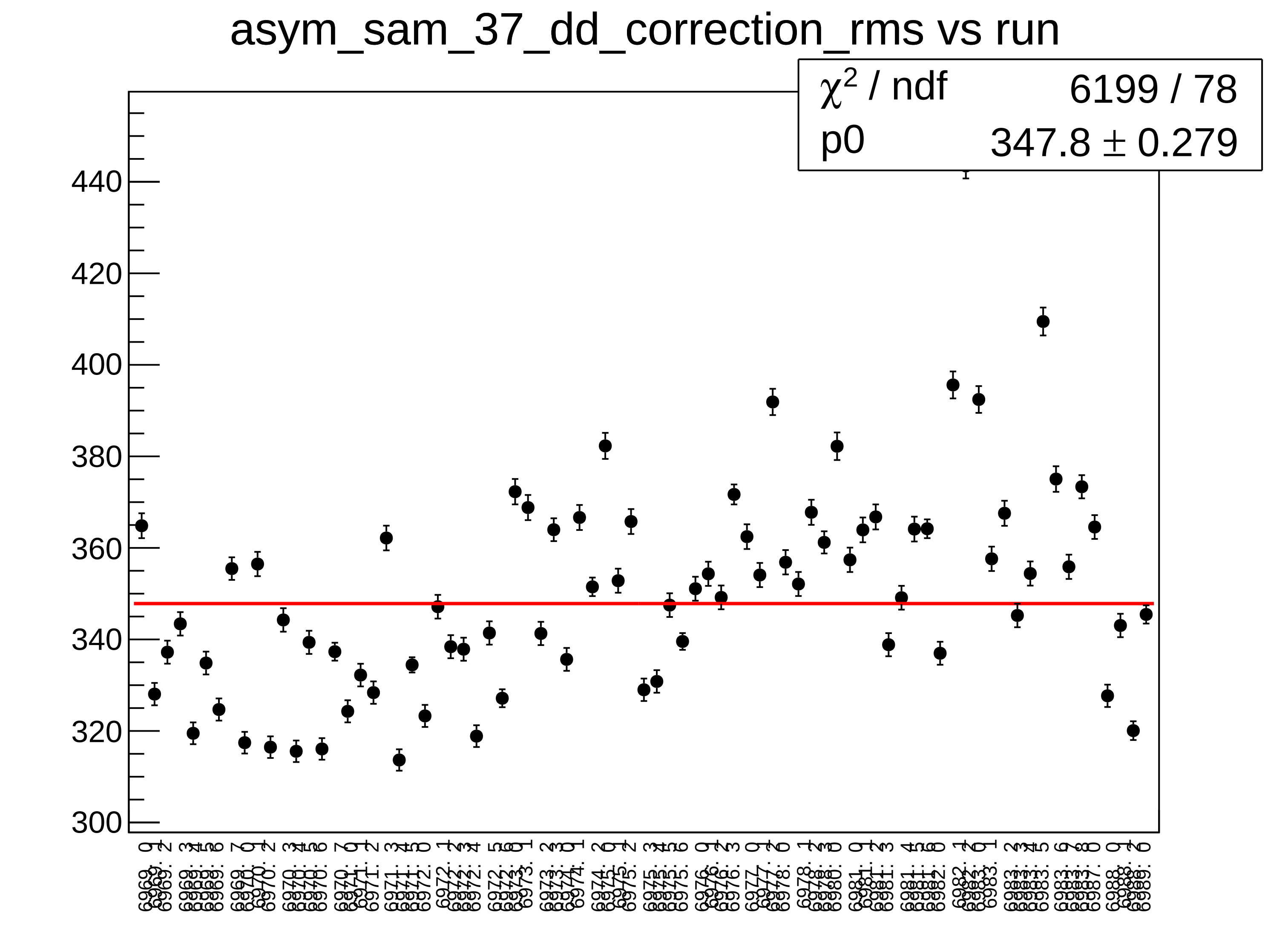


dit_asym_sam_37_dd_mean vs run
χ2 / ndf 86.58 / 78
p0 −117.3 ± 56.89
2000
1000
0
−1000
−2000
pull
Entries 79
Mean −2106
Std Dev 2136
pull1D
Entries 79
Mean −0.0007615
Std Dev 1.047

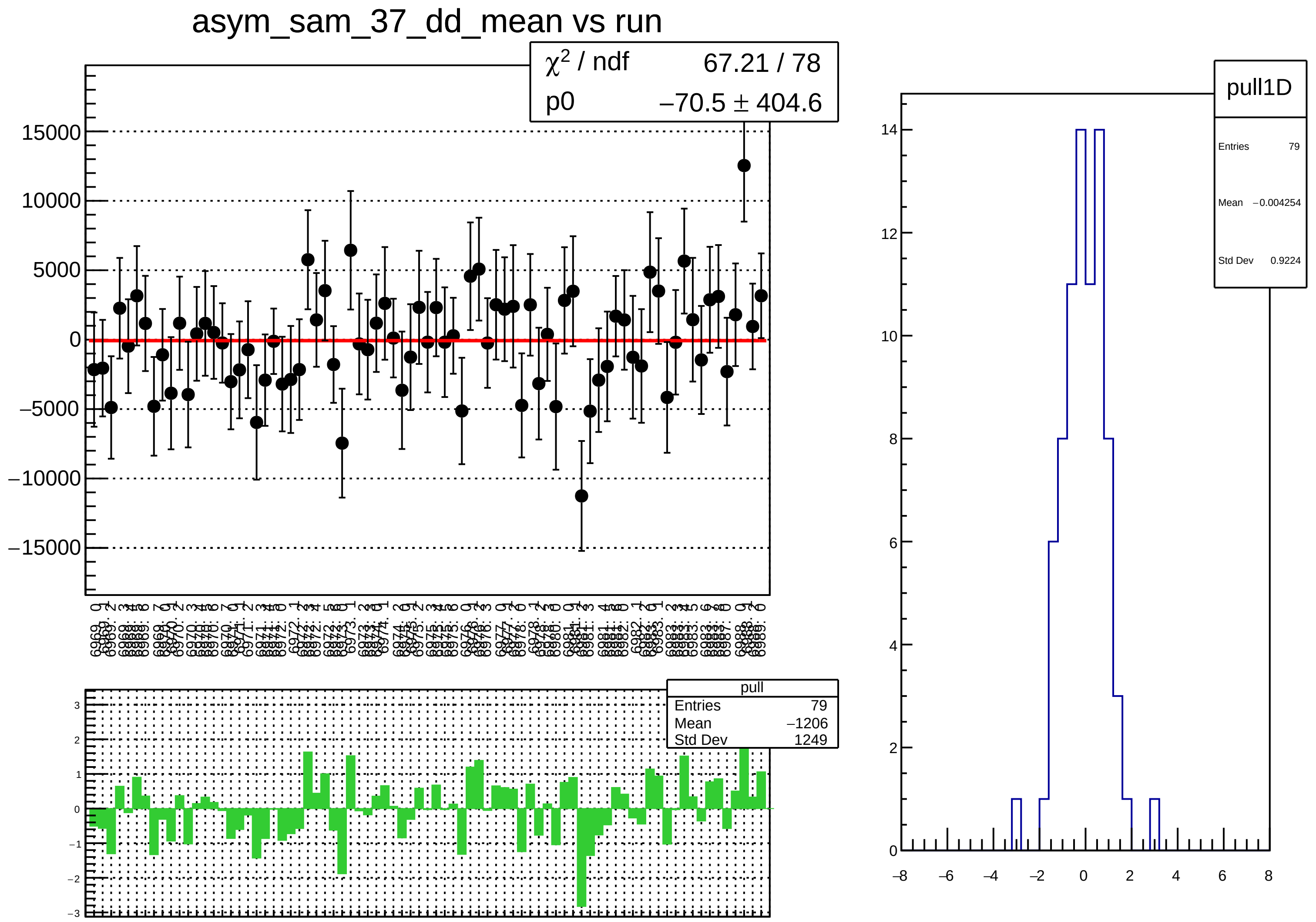

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.432e+04 / 78
p0 50.02 ± 0.04023

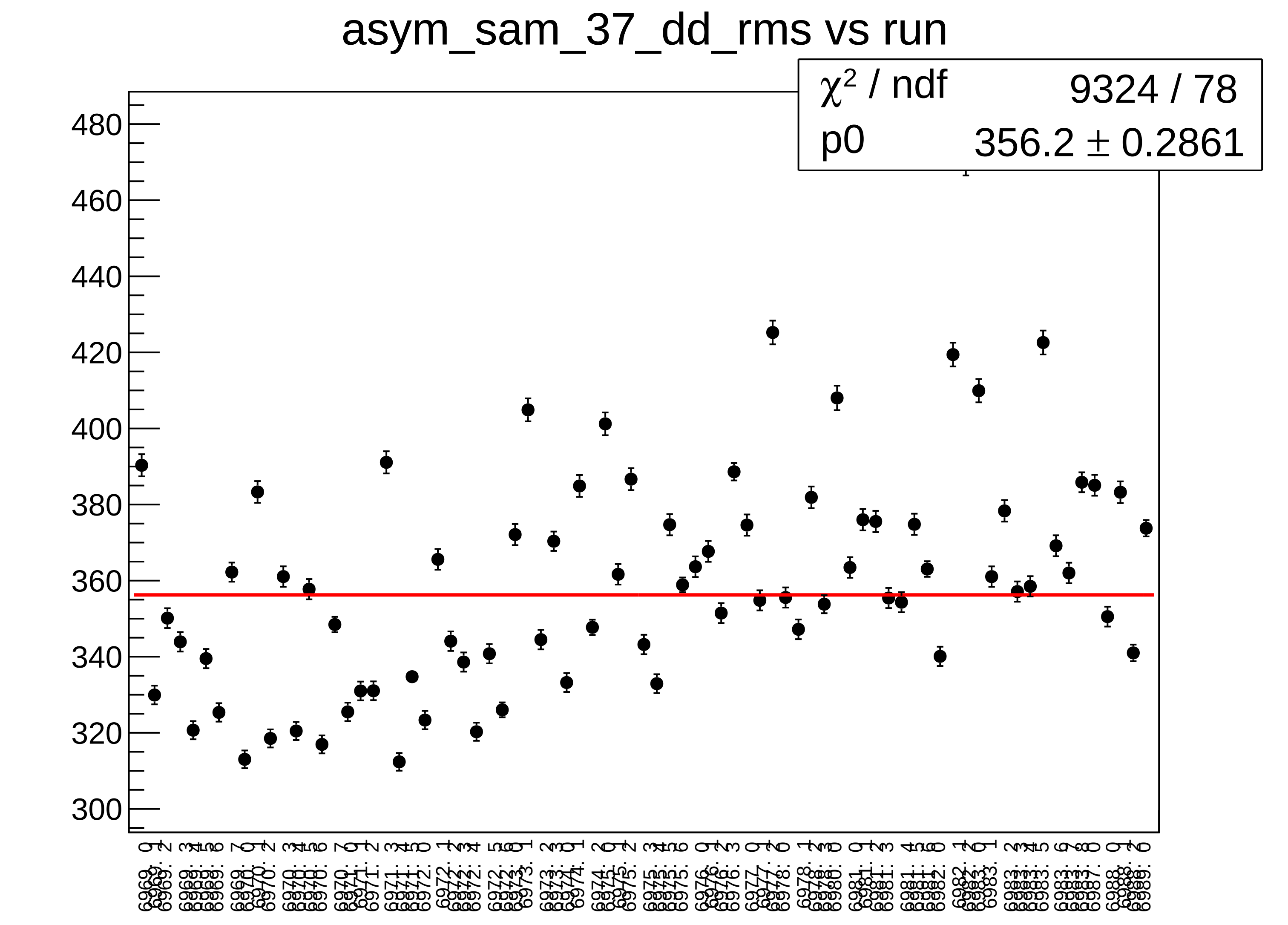


asym_sam_37_dd_correction_mean vs run
χ^2 / ndf 66.3 / 78
p0 −58.48 ± 394.6
pull
Entries 79
Mean −820.6
Std Dev 864
pull1D
Entries 79
Mean 0.006116
Std Dev 0.9161

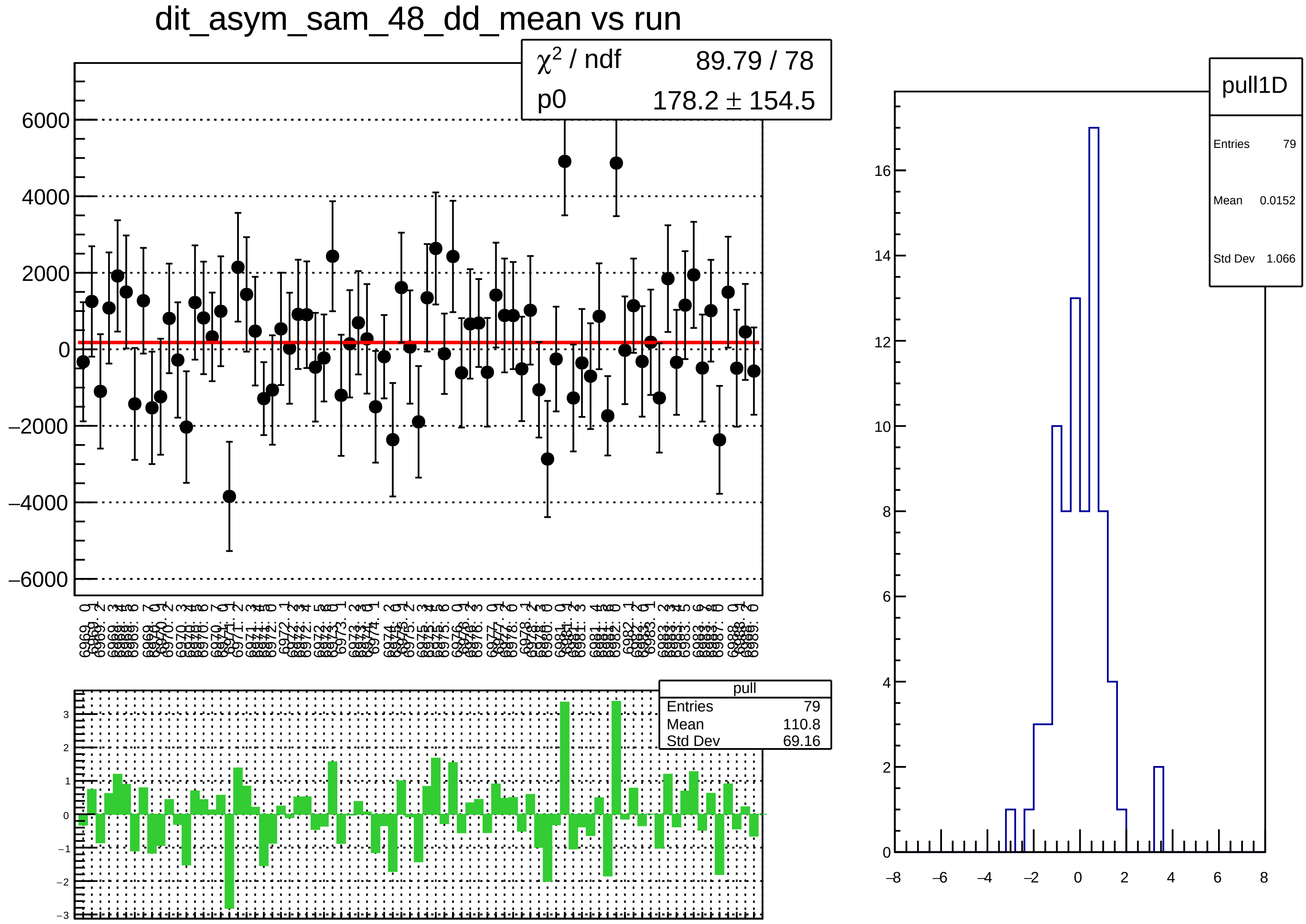


asym_sam_37_dd_correction_rms vs run
χ2 / ndf 6199 / 78
p0 347.8 ± 0.279

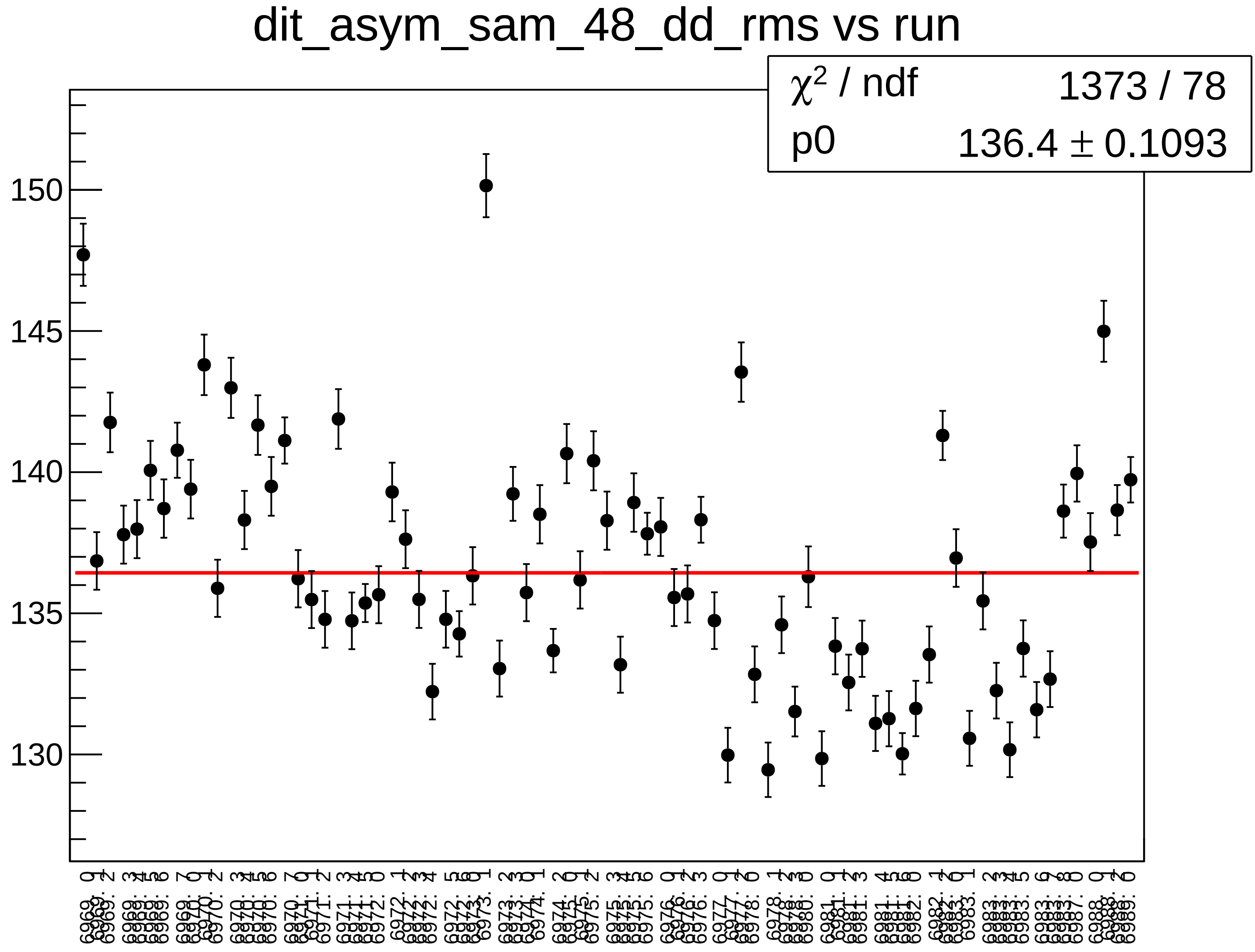

asym_sam_37_dd_mean vs run
χ^2 / ndf 67.21 / 78
p0 −70.5 ± 404.6
pull
Entries 79
Mean −1206
Std Dev 1249
pull1D
Entries 79
Mean −0.004254
Std Dev 0.9224



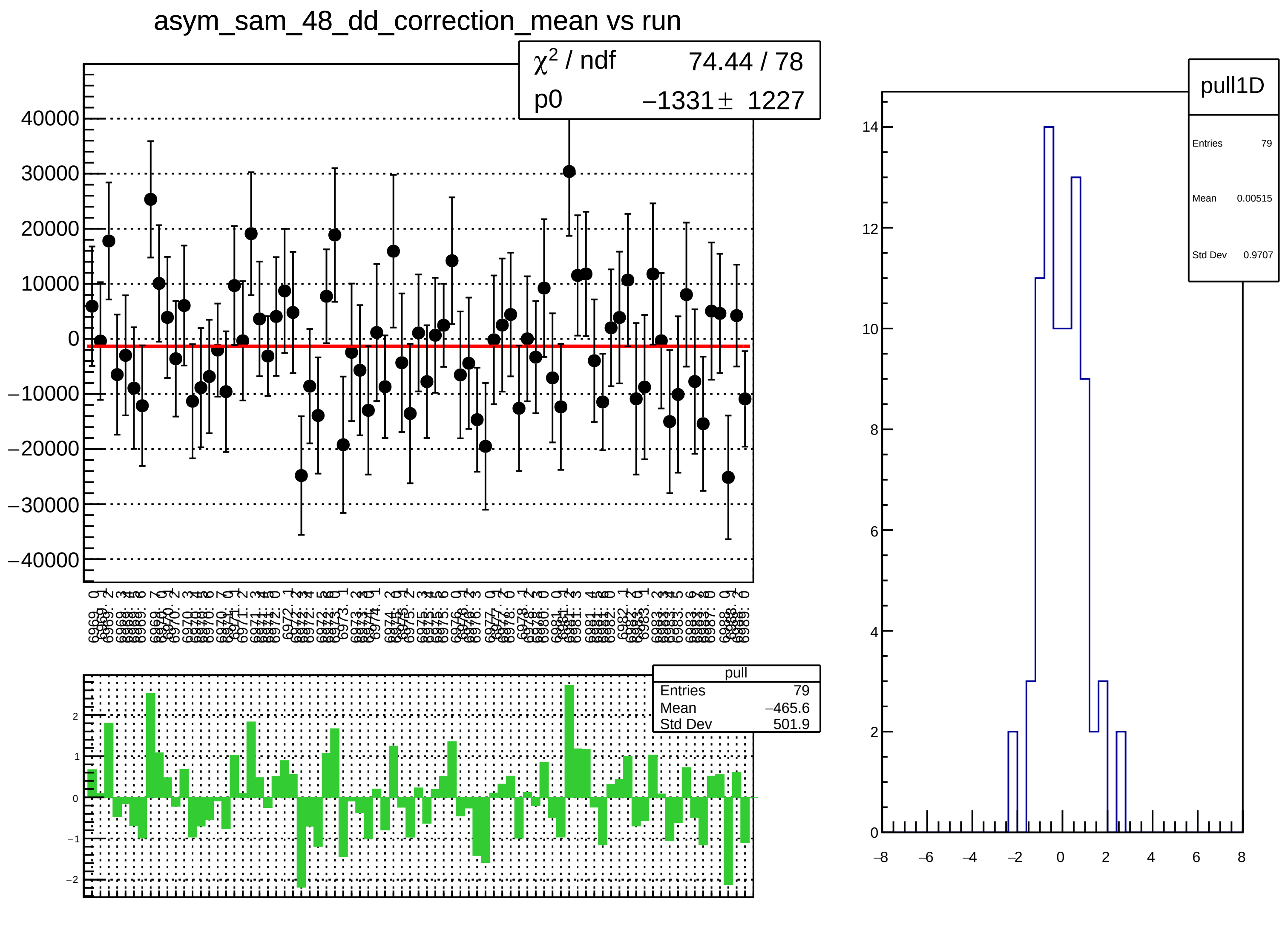
asym_sam_37_dd_rms vs run
χ2 / ndf 9324 / 78
p0 356.2 ± 0.2861
480
460
440
420
400
380
360
340
320
300

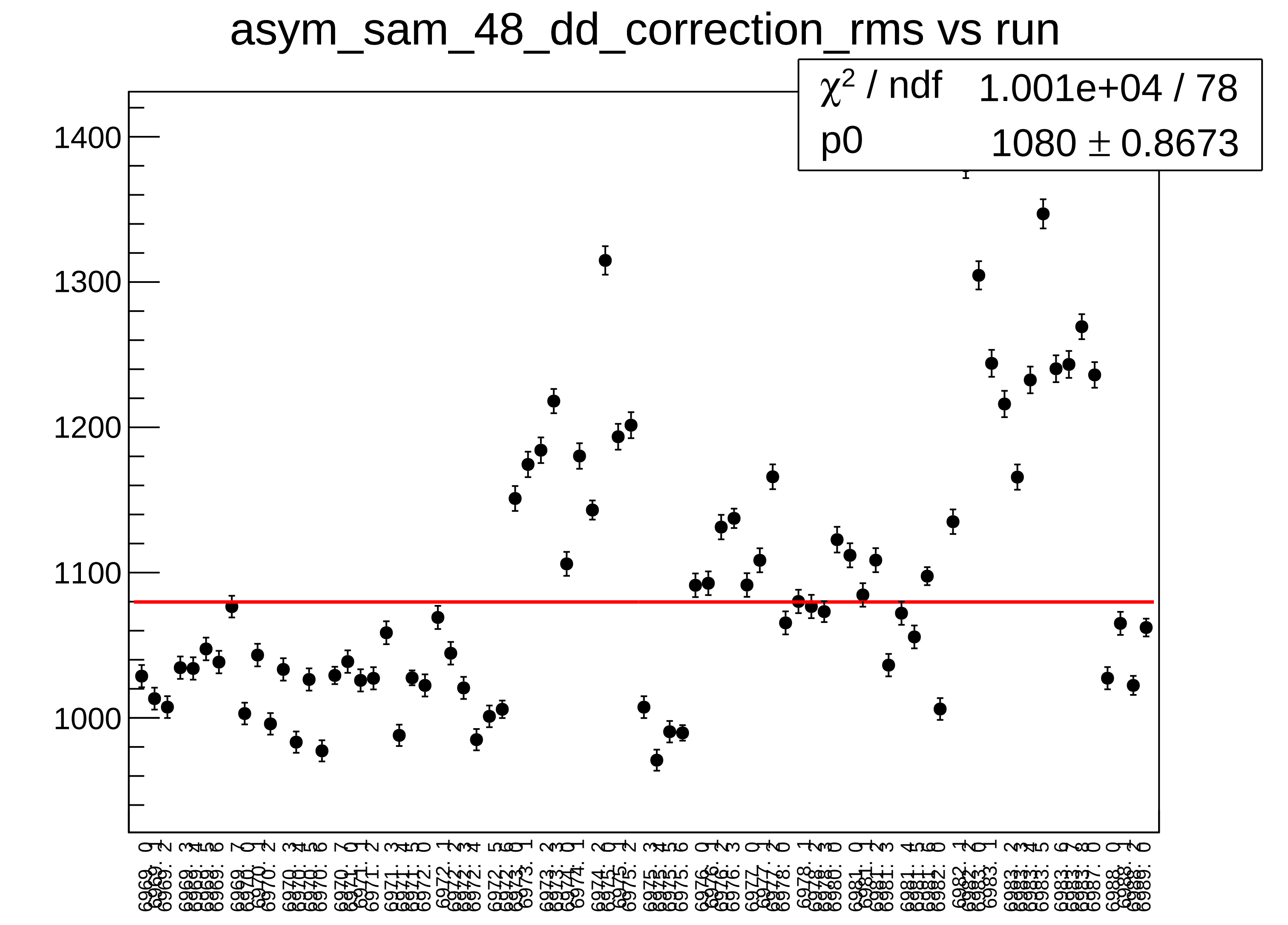


dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 89.79 / 78
p0 178.2 ± 154.5
pull
Entries 79
Mean 110.8
Std Dev 69.16
pull1D
Entries 79
Mean 0.0152
Std Dev 1.066

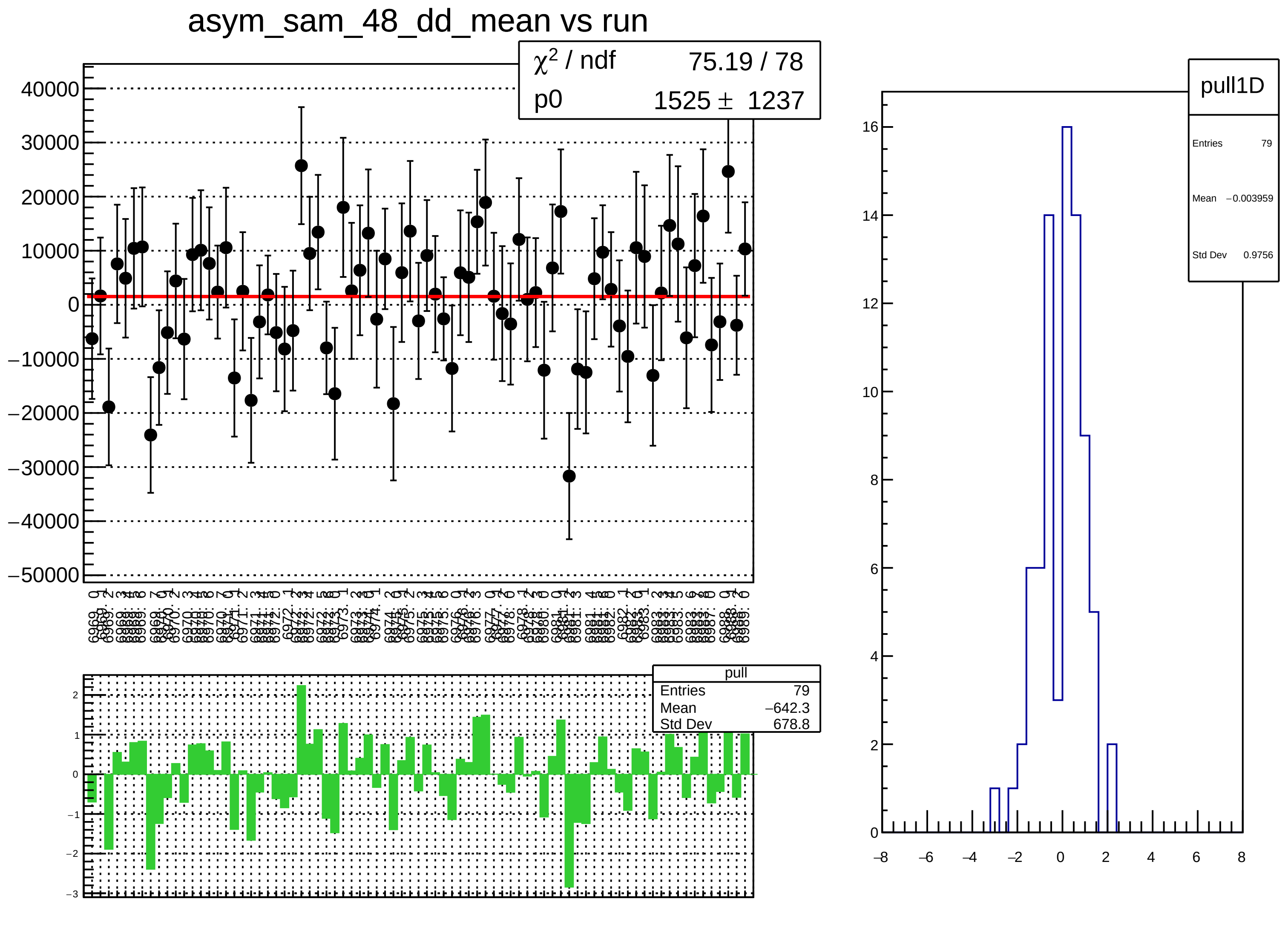


dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 1373 / 78
p0 136.4 ± 0.1093
150
145
140
135
130

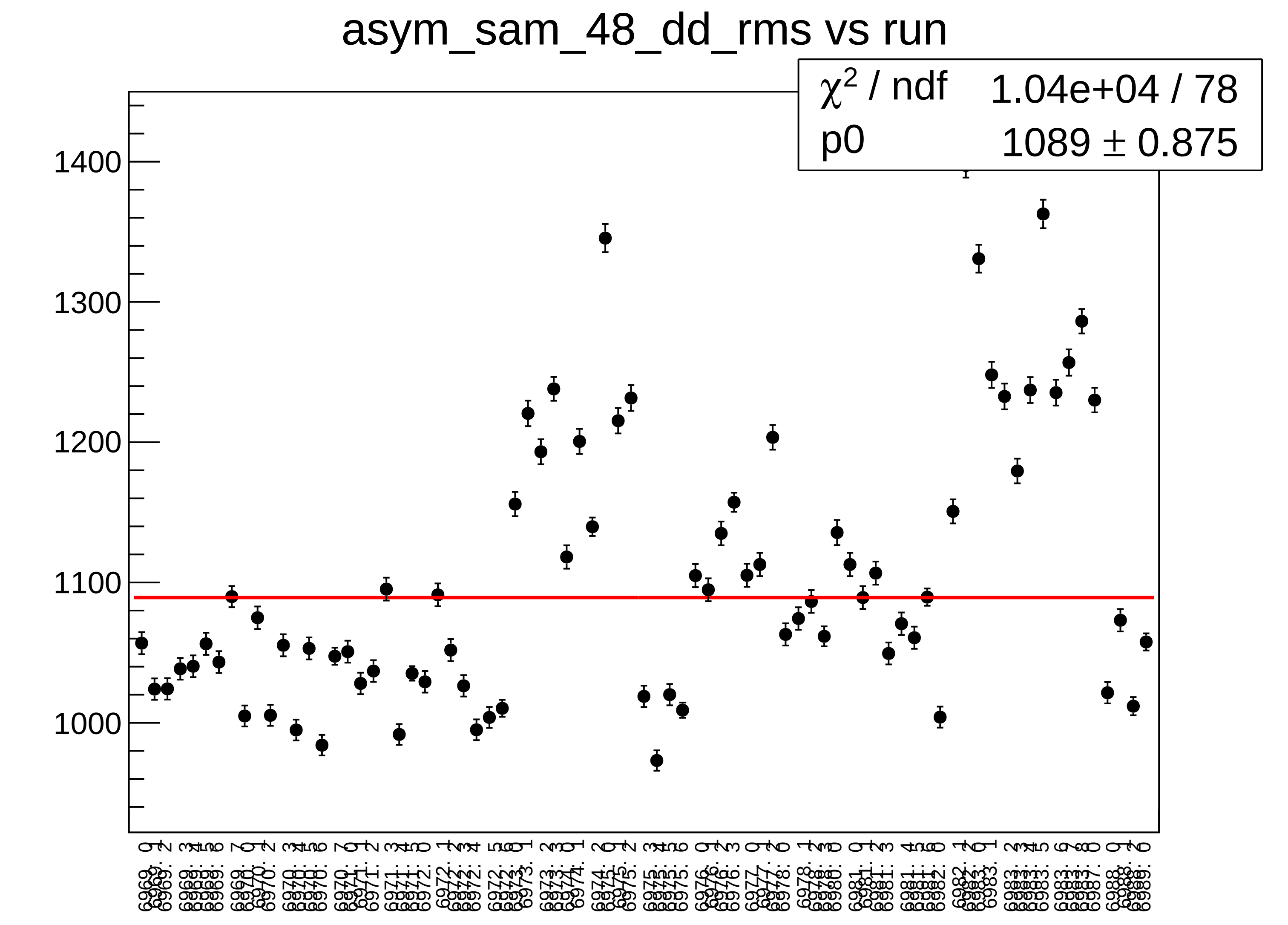

asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 74.44 / 78
p0 −1331 ± 1227
pull
Entries 79
Mean −465.6
Std Dev 501.9
pull1D
Entries 79
Mean 0.00515
Std Dev 0.9707

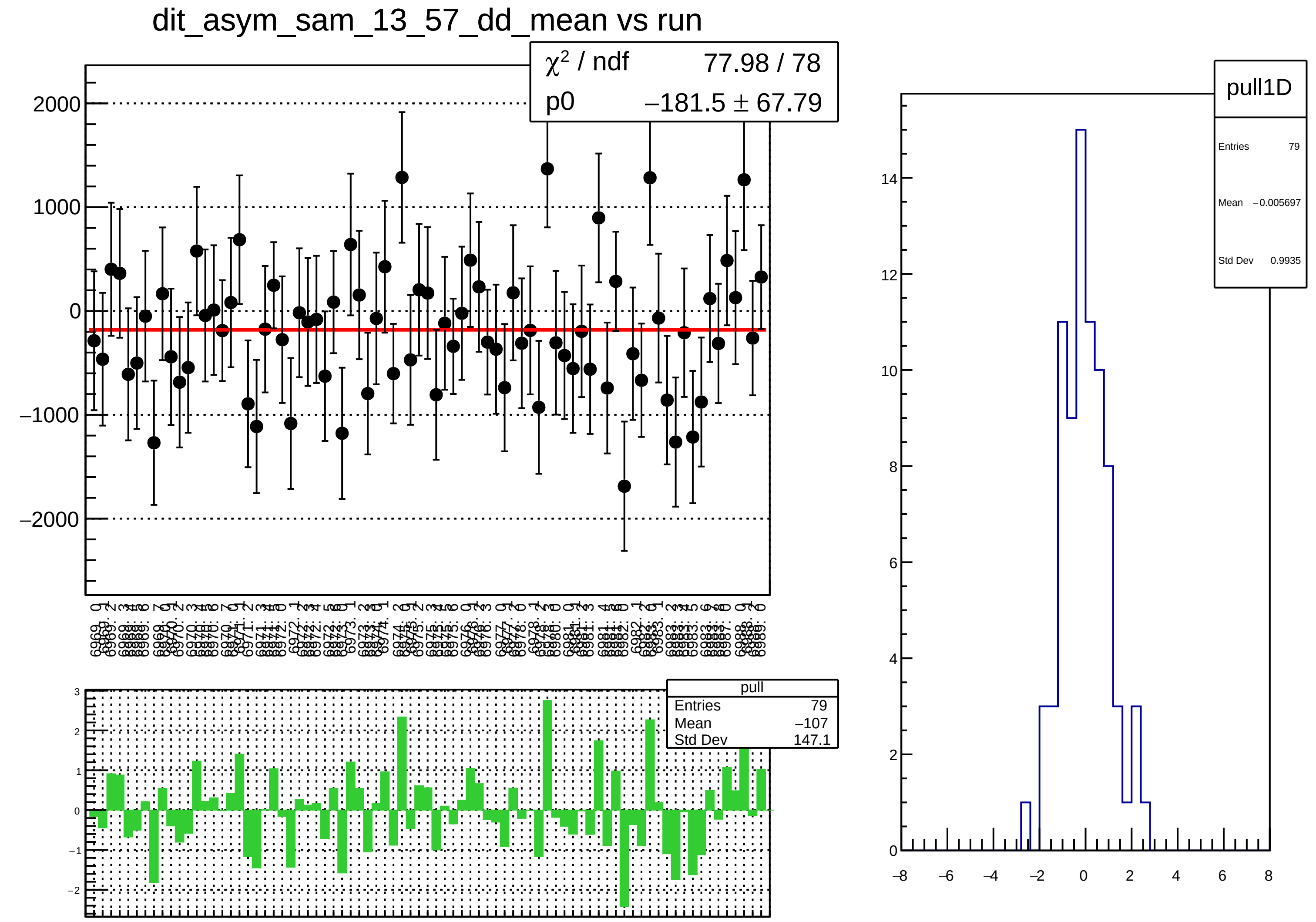


asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 1.001e+04 / 78
p0 1080 ± 0.8673
1400
1300
1200
1100
1000

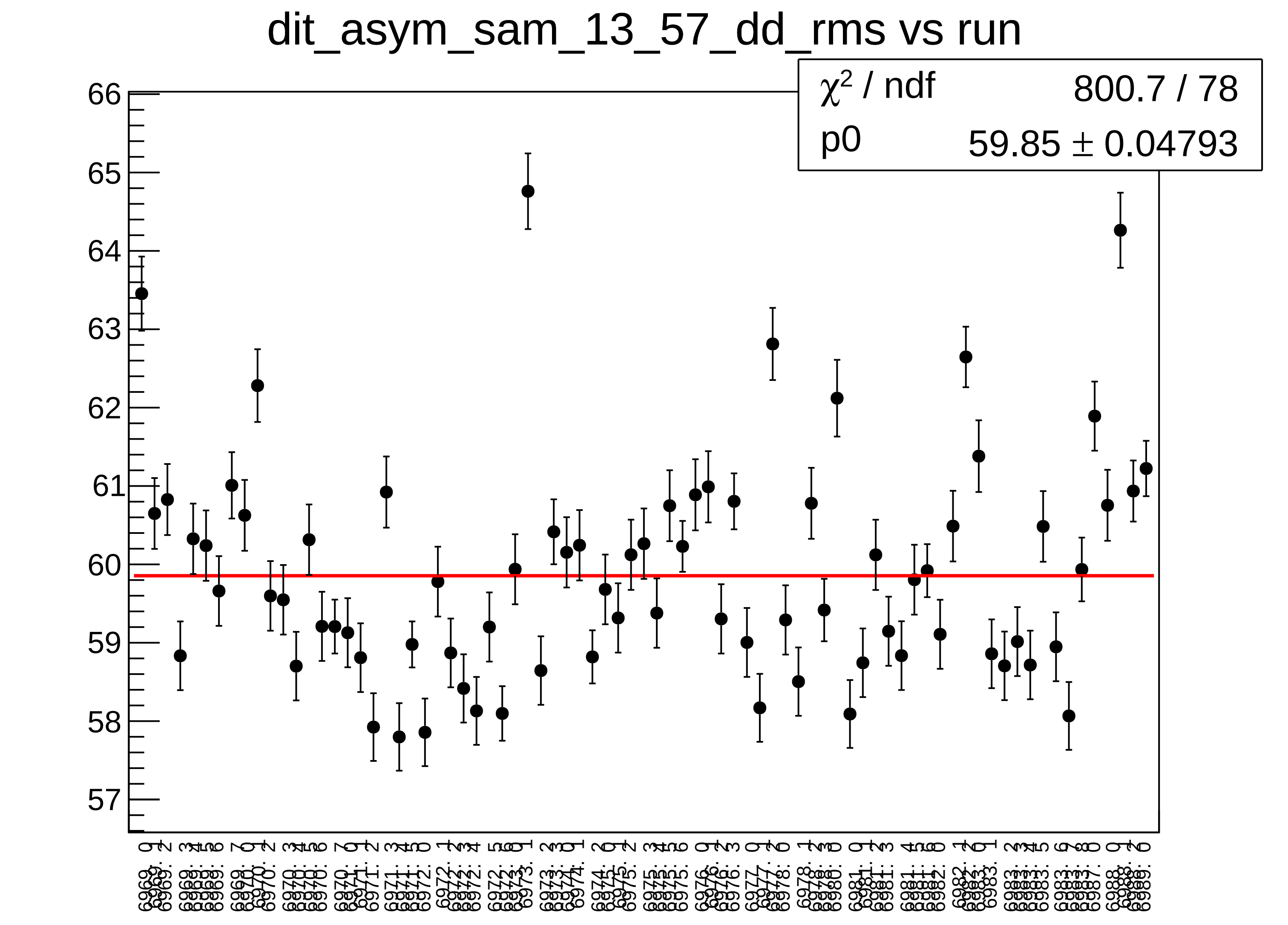


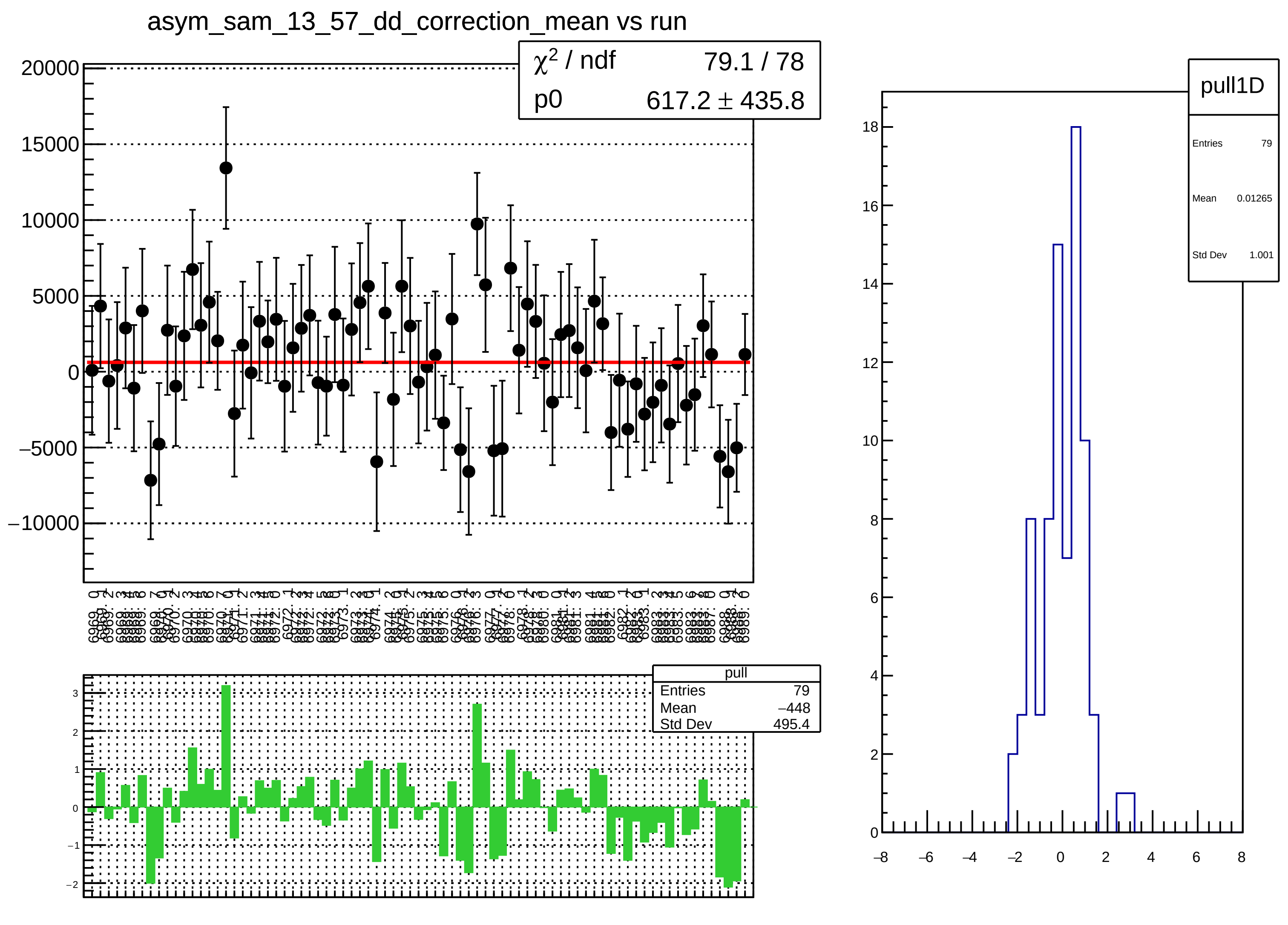
asym_sam_48_dd_mean vs run
χ2 / ndf 75.19 / 78
p0 1525 ± 1237
pull
Entries 79
Mean −642.3
Std Dev 678.8
pull1D
Entries 79
Mean −0.003959
Std Dev 0.9756


asym_sam_48_dd_rms vs run
χ² / ndf 1.04e+04 / 78
p0 1089 ± 0.875
1400
1300
1200
1100
1000

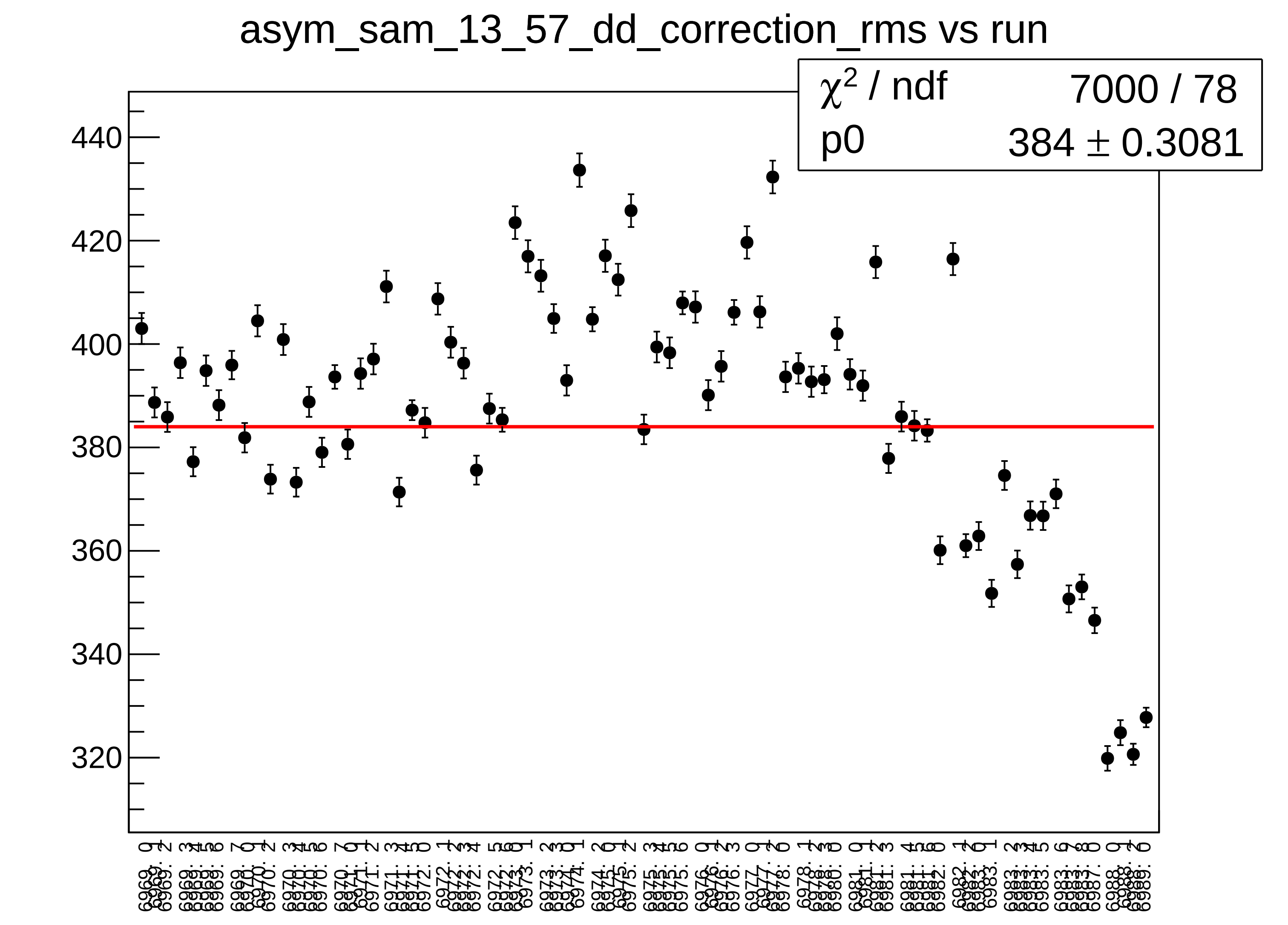


dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 77.98 / 78
p0 −181.5 ± 67.79
pull
Entries 79
Mean −107
Std Dev 147.1
pull1D
Entries 79
Mean −0.005697
Std Dev 0.9935

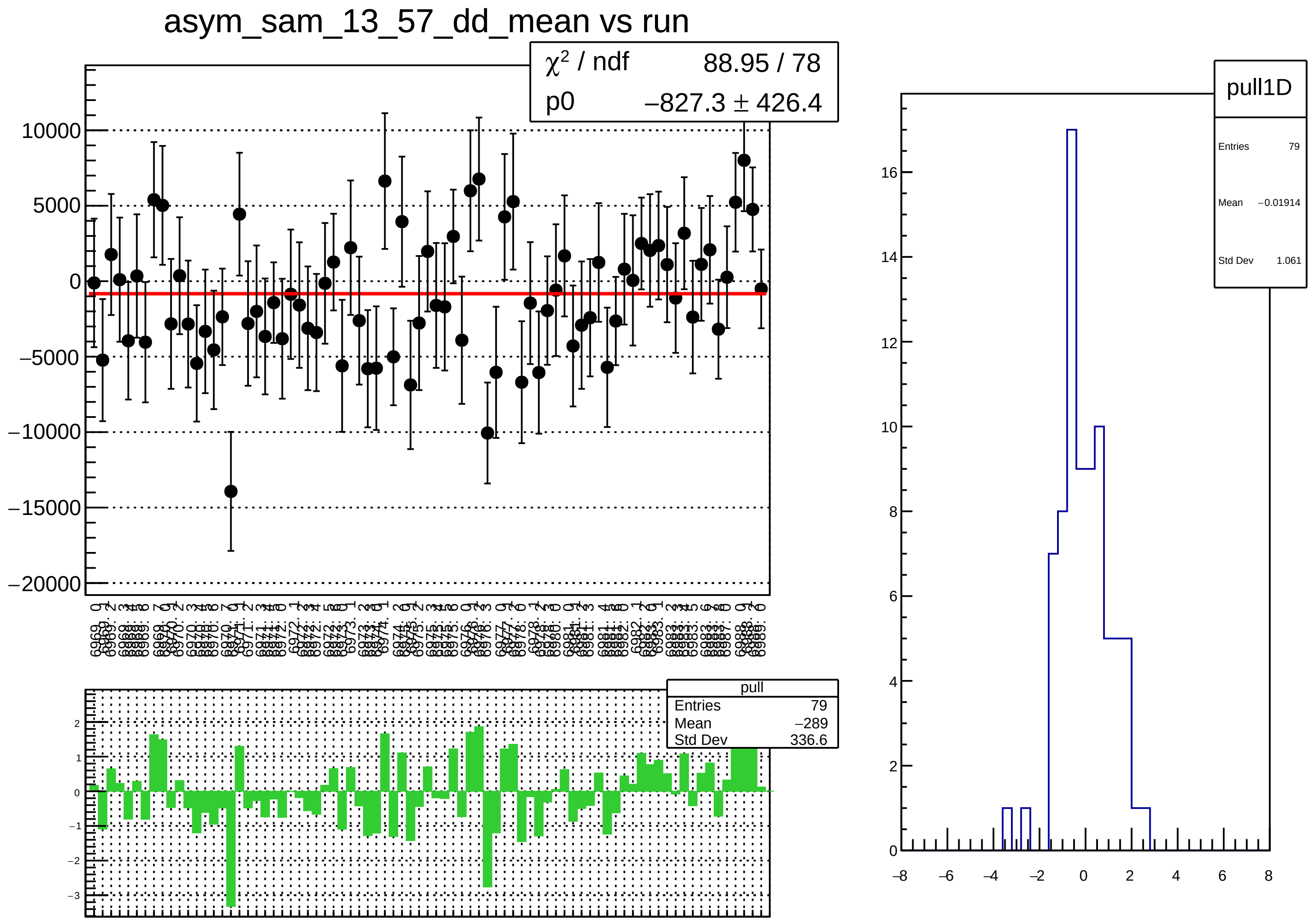

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 800.7 / 78
p0 59.85 ± 0.04793
66
65
64
63
62
61
60
59
58
57

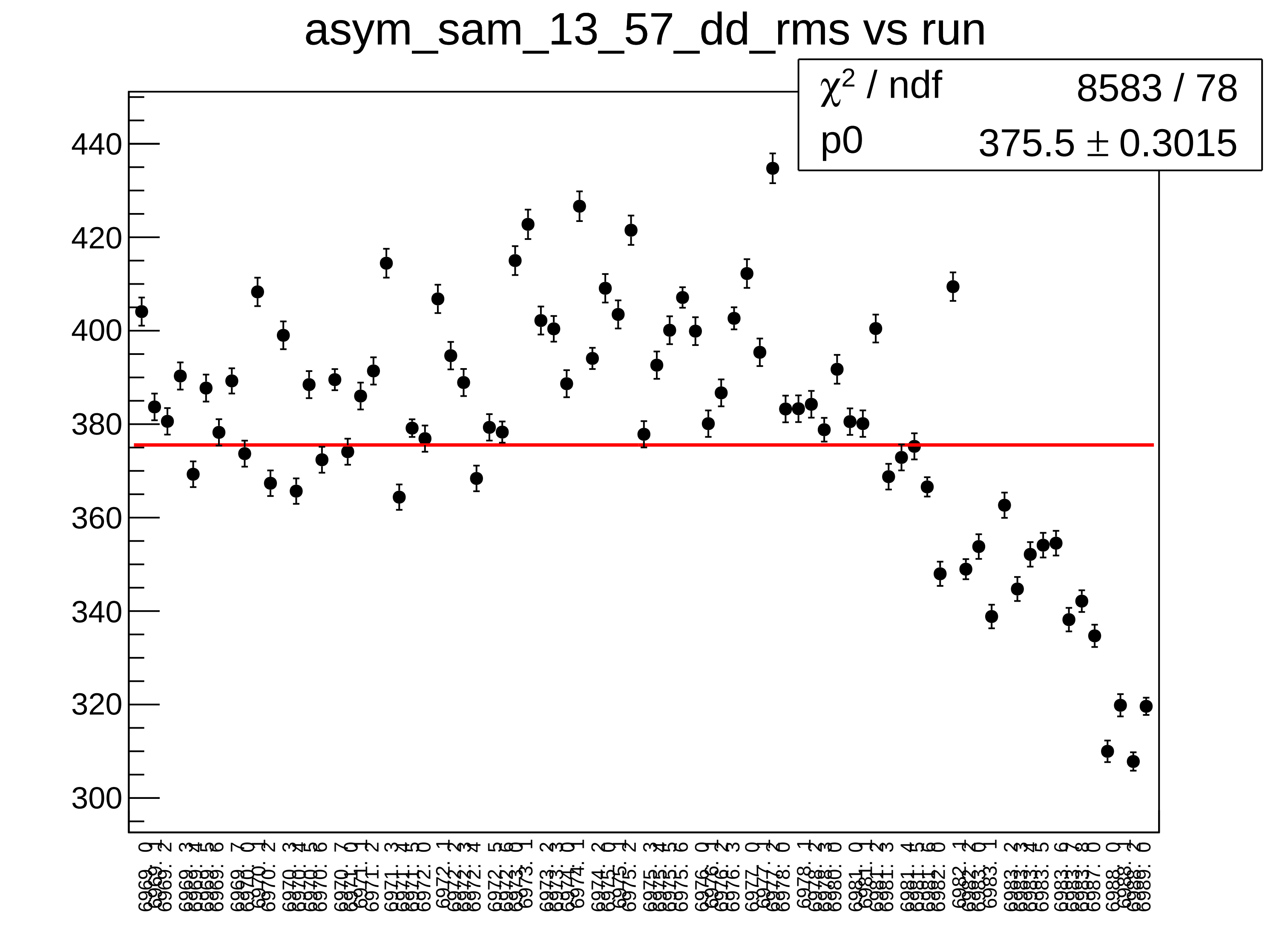


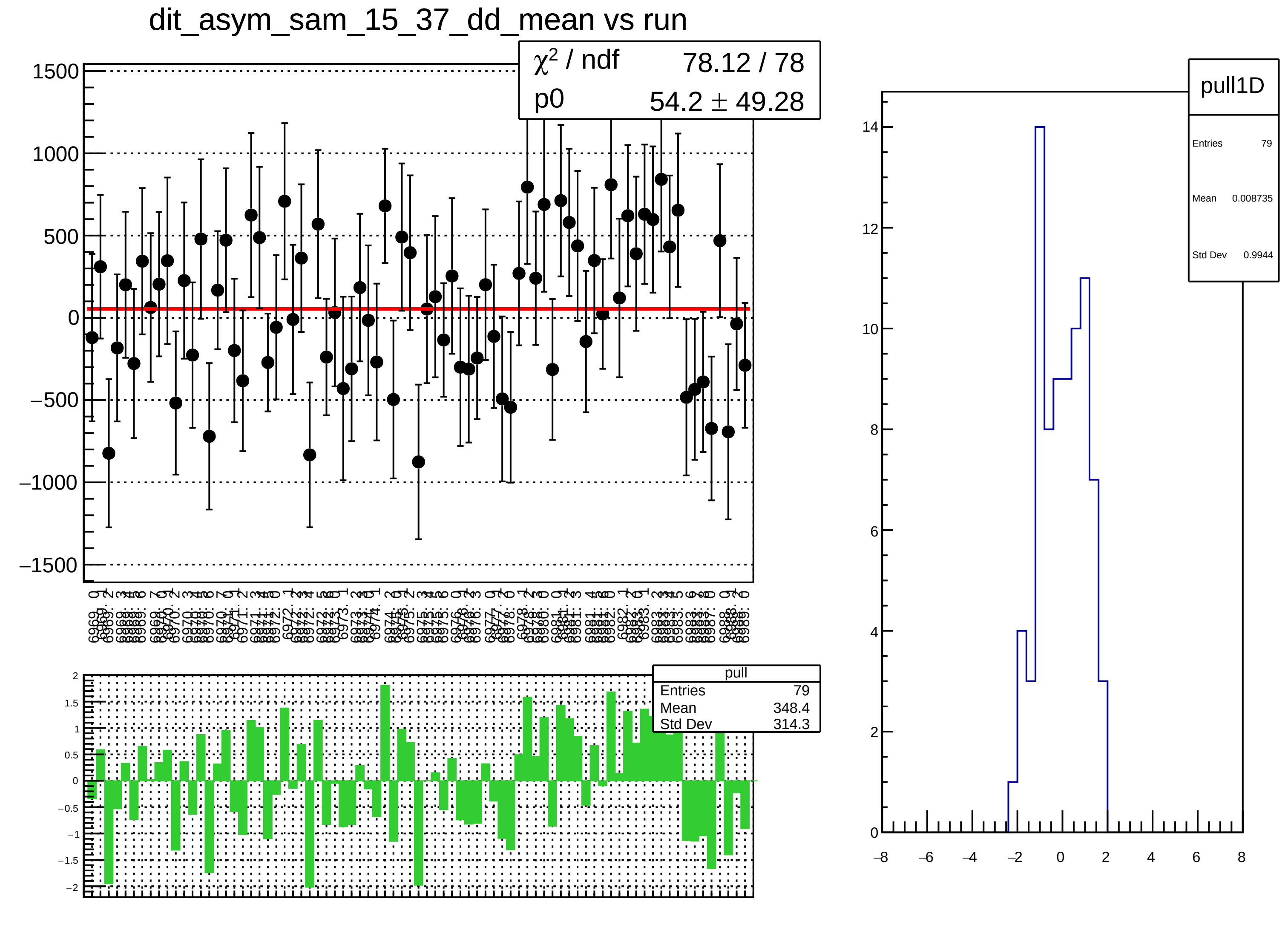
asym_sam_13_57_dd_correction_mean vs run
χ2 / ndf 79.1 / 78
p0 617.2 ± 435.8
pull
Entries 79
Mean −448
Std Dev 495.4
pull1D
Entries 79
Mean 0.01265
Std Dev 1.001

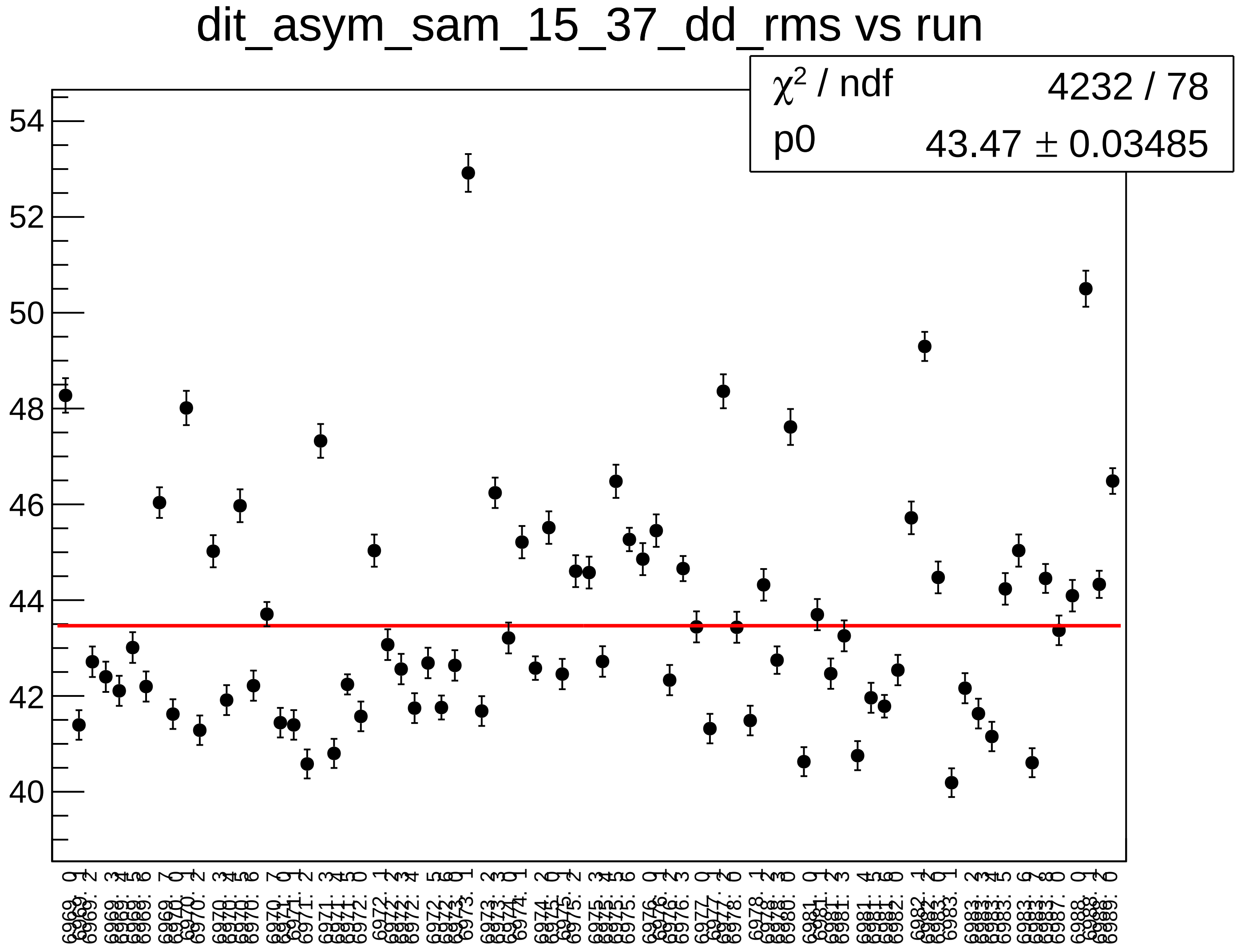


asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 7000 / 78
p0 384 ± 0.3081
440
420
400
380
360
340
320

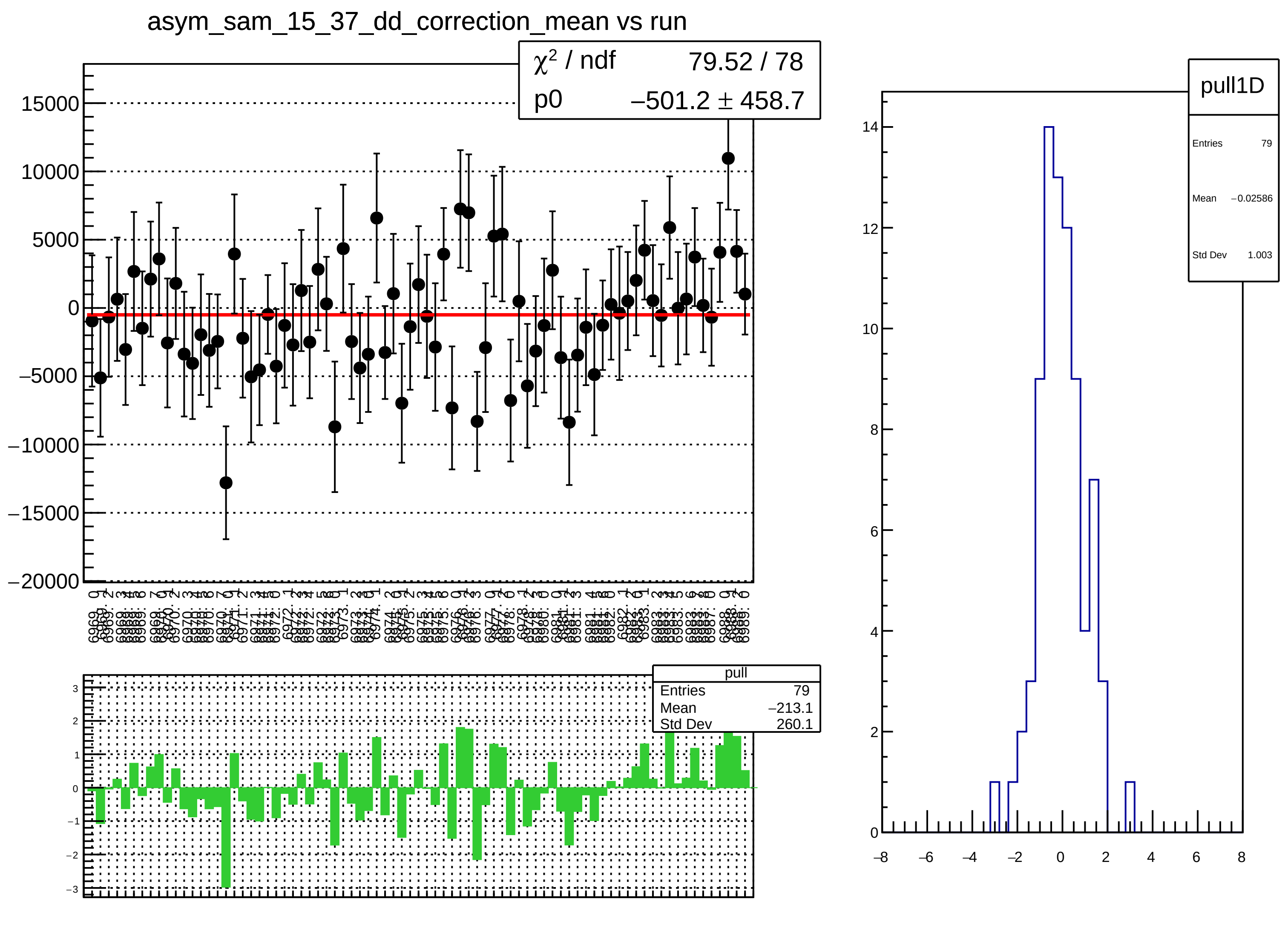

asym_sam_13_57_dd_mean vs run
χ^2 / ndf 88.95 / 78
p0 −827.3 ± 426.4
pull
Entries 79
Mean −289
Std Dev 336.6
pull1D
Entries 79
Mean −0.01914
Std Dev 1.061

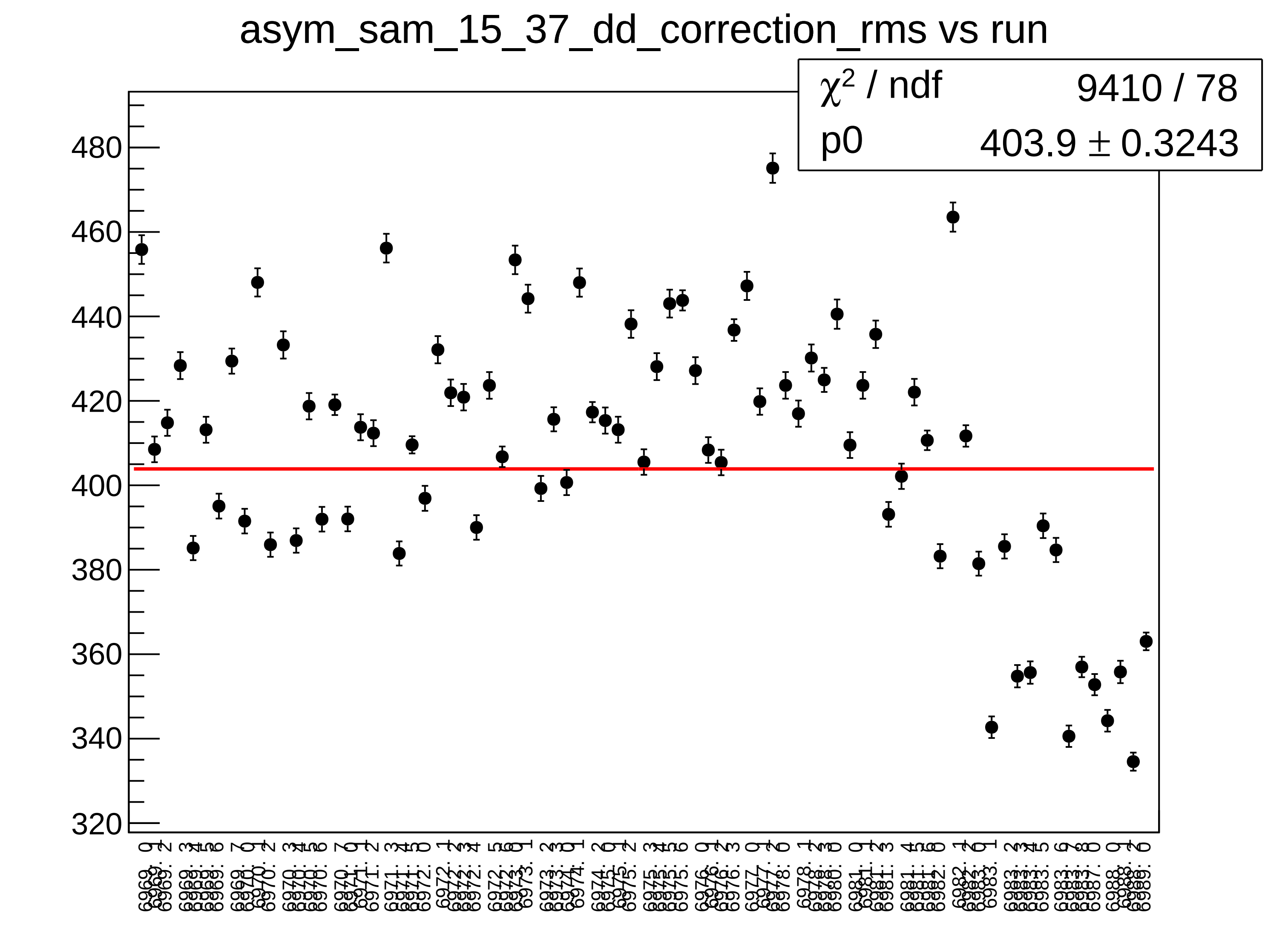

asym_sam_13_57_dd_rms vs run
χ2 / ndf 8583 / 78
p0 375.5 ± 0.3015
440
420
400
380
360
340
320
300

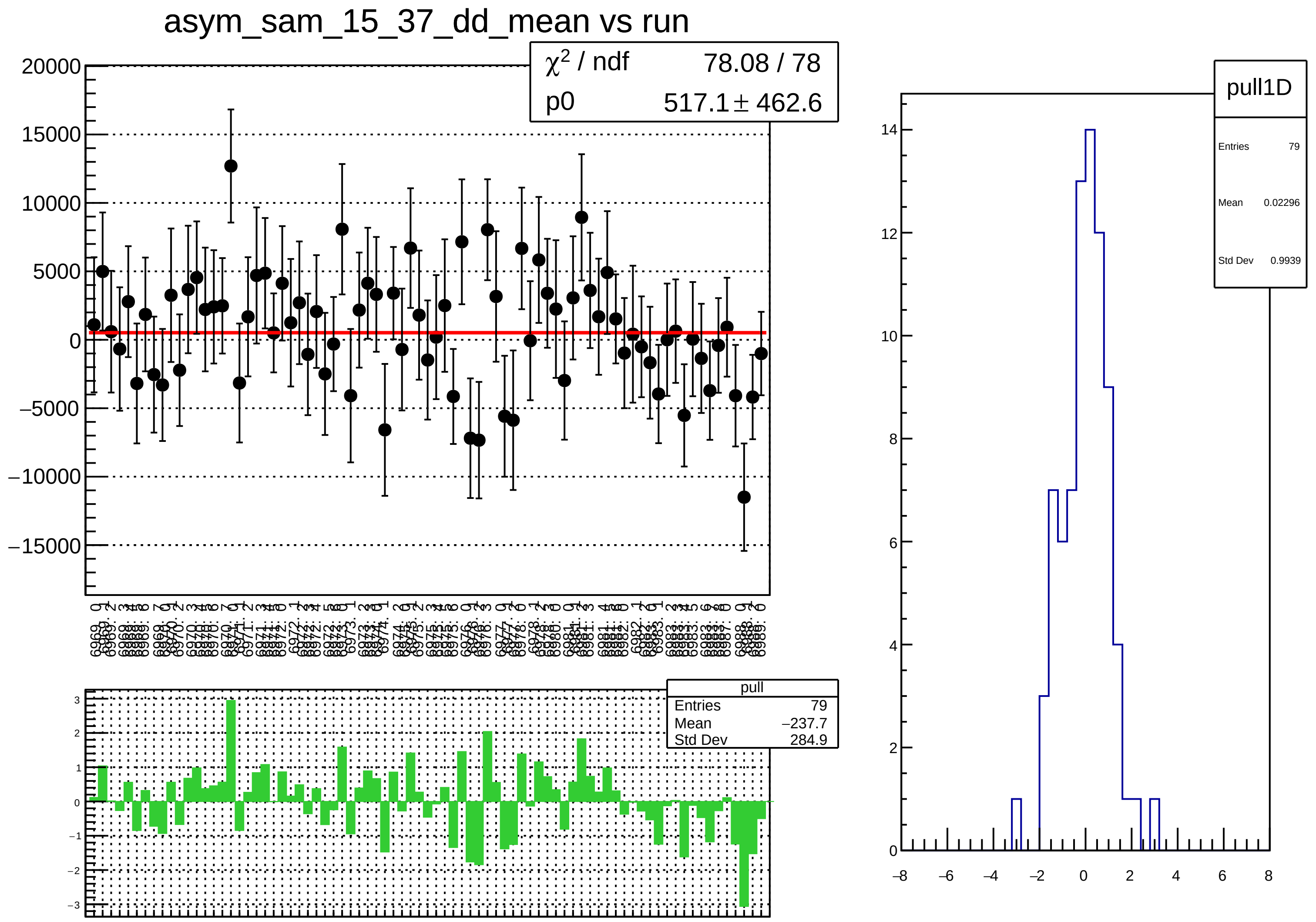

dit_asym_sam_15_37_dd_mean vs run
χ2 / ndf 78.12 / 78
p0 54.2 ± 49.28
pull
Entries 79
Mean 348.4
Std Dev 314.3
pull1D
Entries 79
Mean 0.008735
Std Dev 0.9944



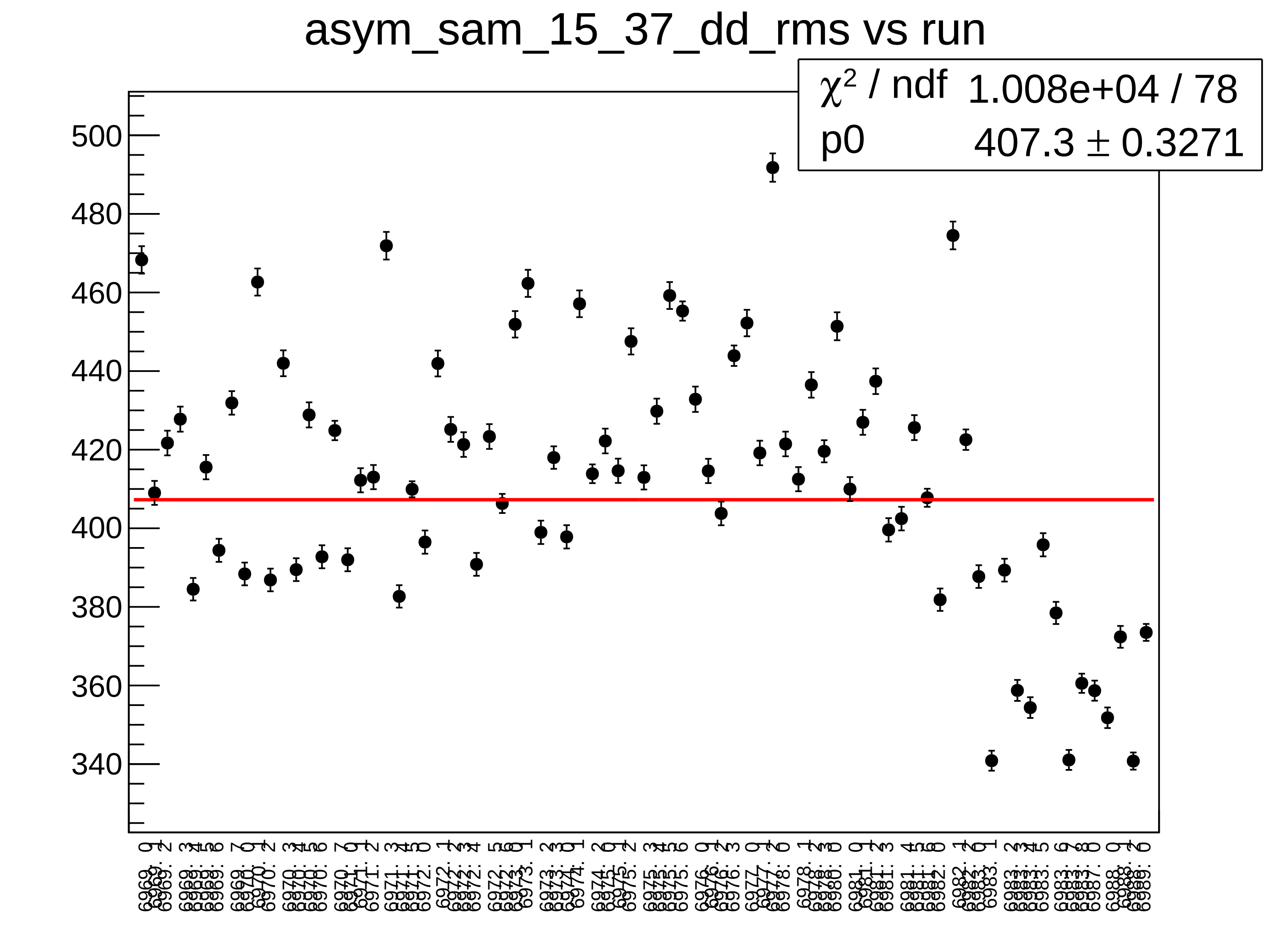
dit_asym_sam_15_37_dd_rms vs run
χ2 / ndf 4232 / 78
p0 43.47 ± 0.03485
54
52
50
48
46
44
42
40


asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 79.52 / 78
p0 −501.2 ± 458.7
pull
Entries 79
Mean −213.1
Std Dev 260.1
pull1D
Entries 79
Mean −0.02586
Std Dev 1.003

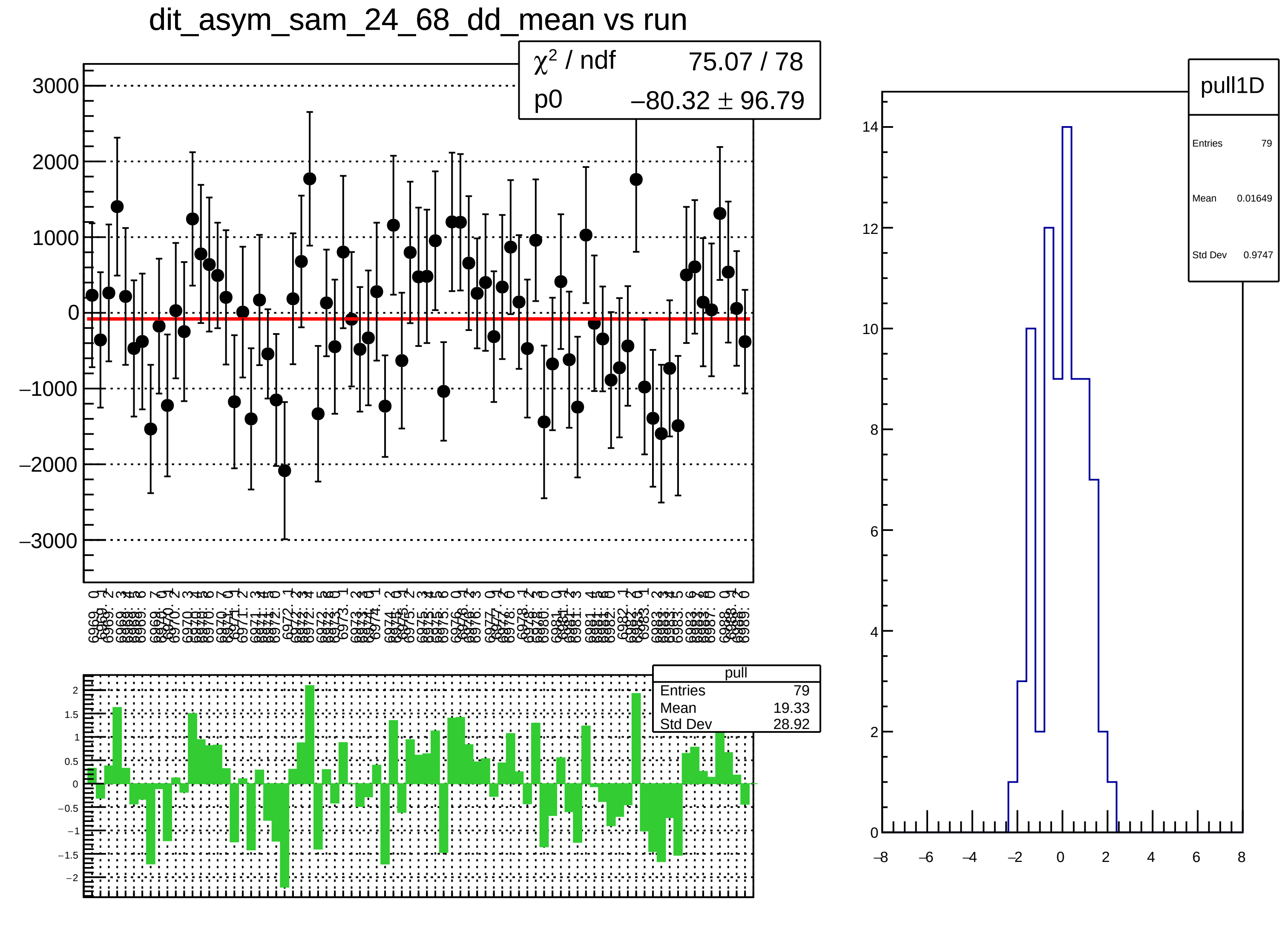

asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 9410 / 78
p0 403.9 ± 0.3243
480
460
440
420
400
380
360
340
320



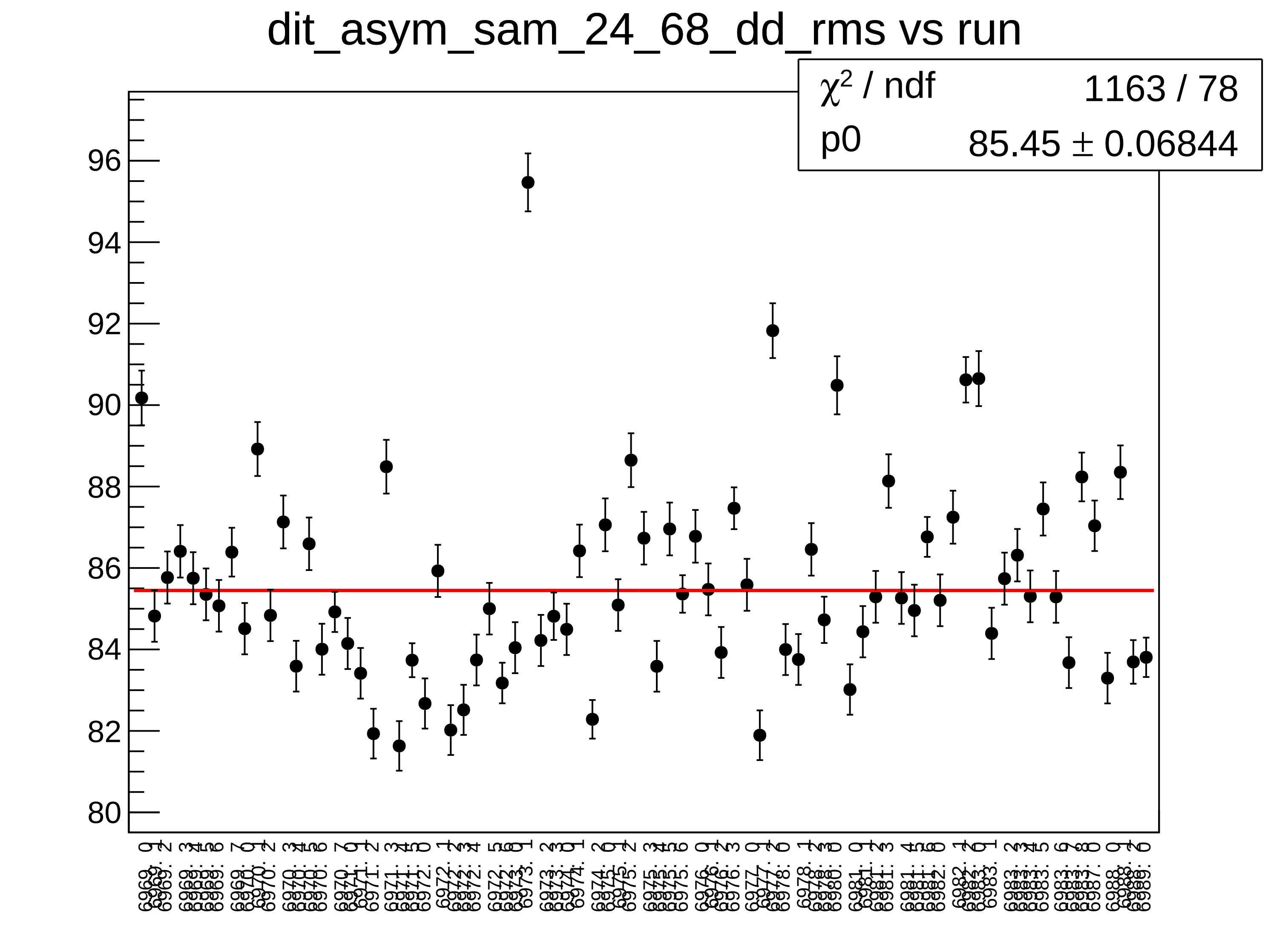
asym_sam_15_37_dd_mean vs run
χ² / ndf 78.08 / 78
p0 517.1 ± 462.6
pull
Entries 79
Mean −237.7
Std Dev 284.9
pull1D
Entries 79
Mean 0.02296
Std Dev 0.9939



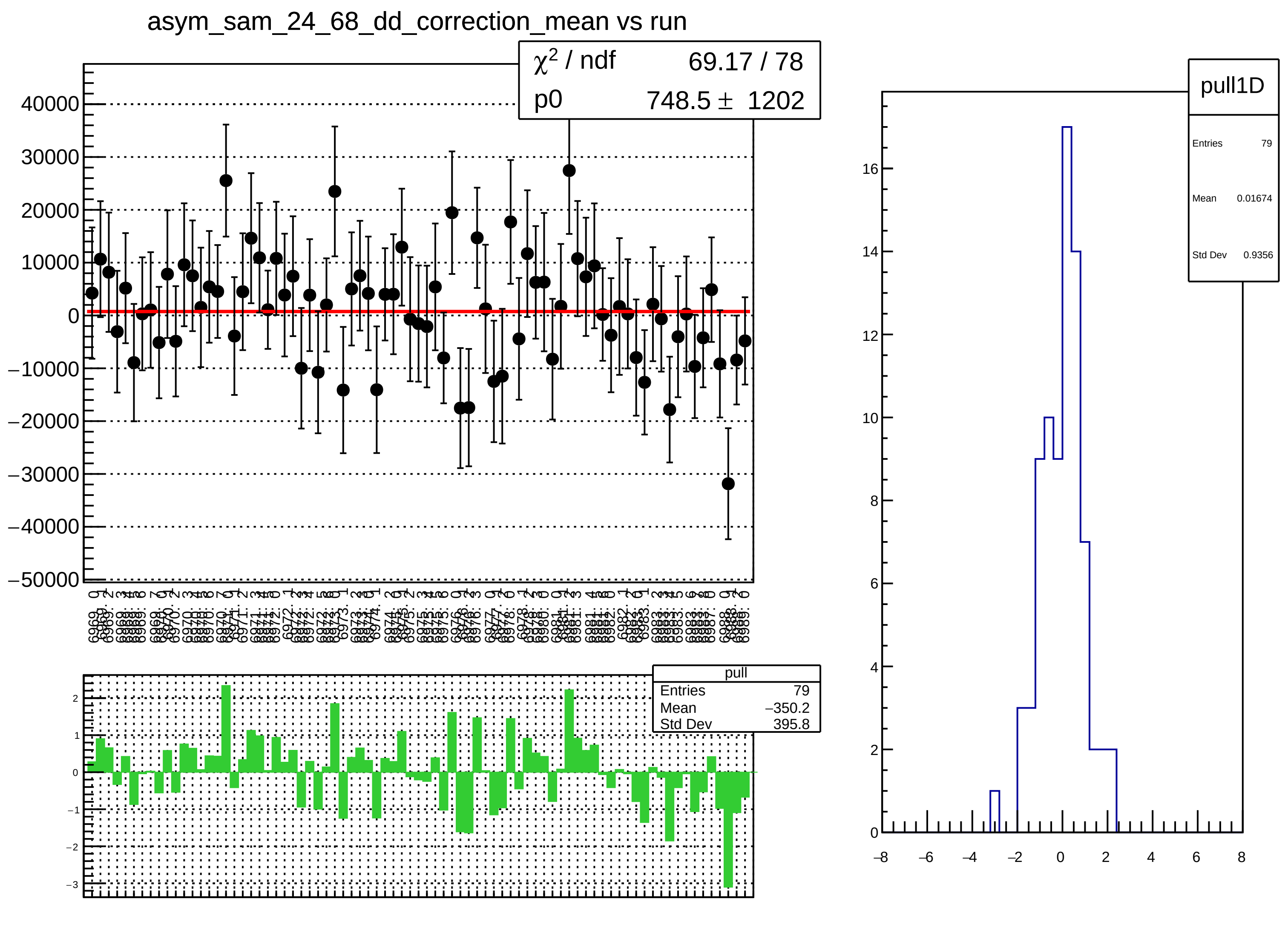
asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.008e+04 / 78
p0 407.3 ± 0.3271
500
480
460
440
420
400
380
360
340

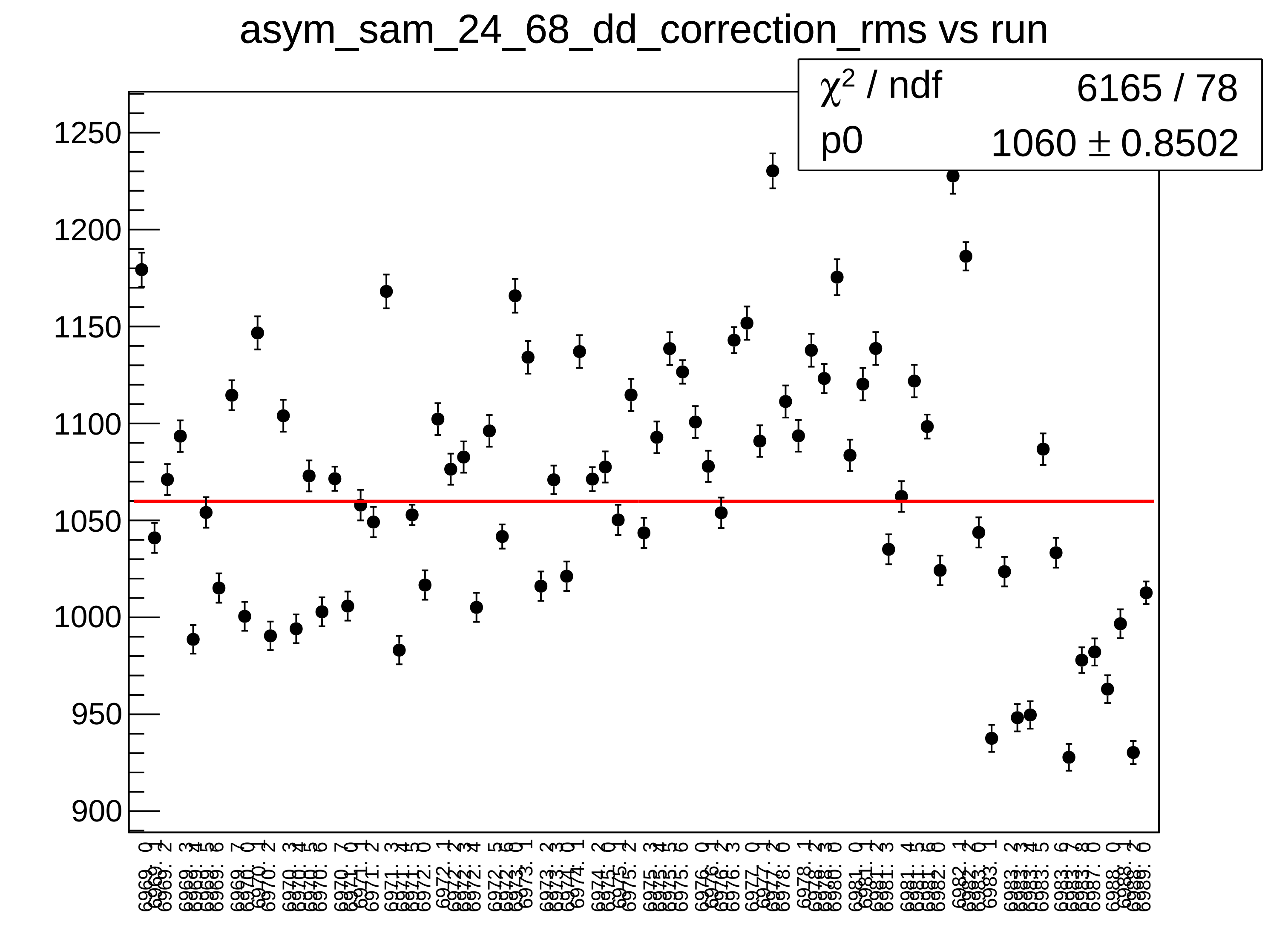


dit_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 75.07 / 78
p0 −80.32 ± 96.79
pull
Entries 79
Mean 19.33
Std Dev 28.92
pull1D
Entries 79
Mean 0.01649
Std Dev 0.9747



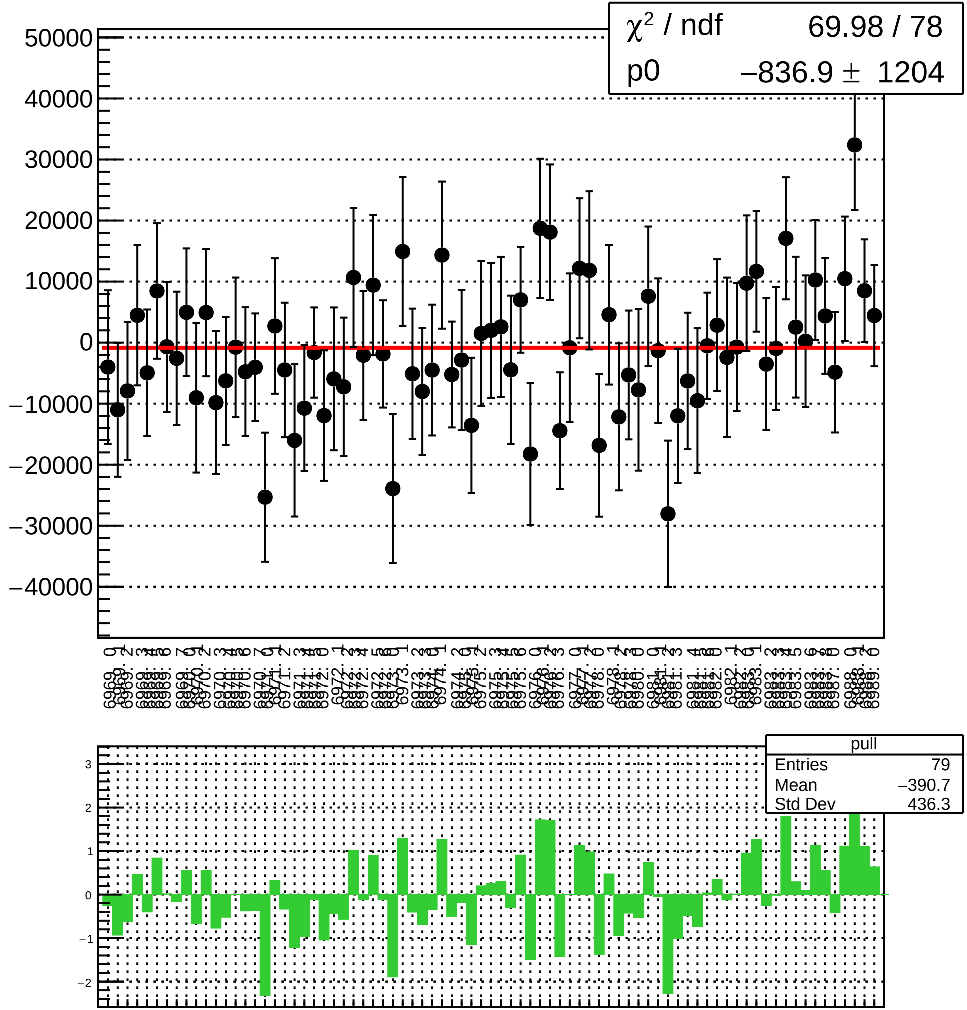
dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1163 / 78
p0 85.45 ± 0.06844

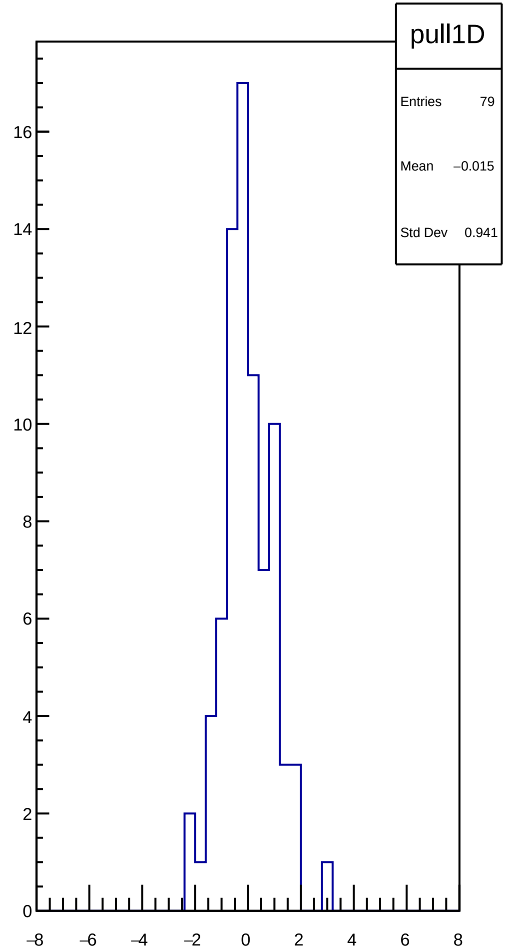

asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 69.17 / 78
p0 748.5 ± 1202
pull
Entries 79
Mean −350.2
Std Dev 395.8
pull1D
Entries 79
Mean 0.01674
Std Dev 0.9356

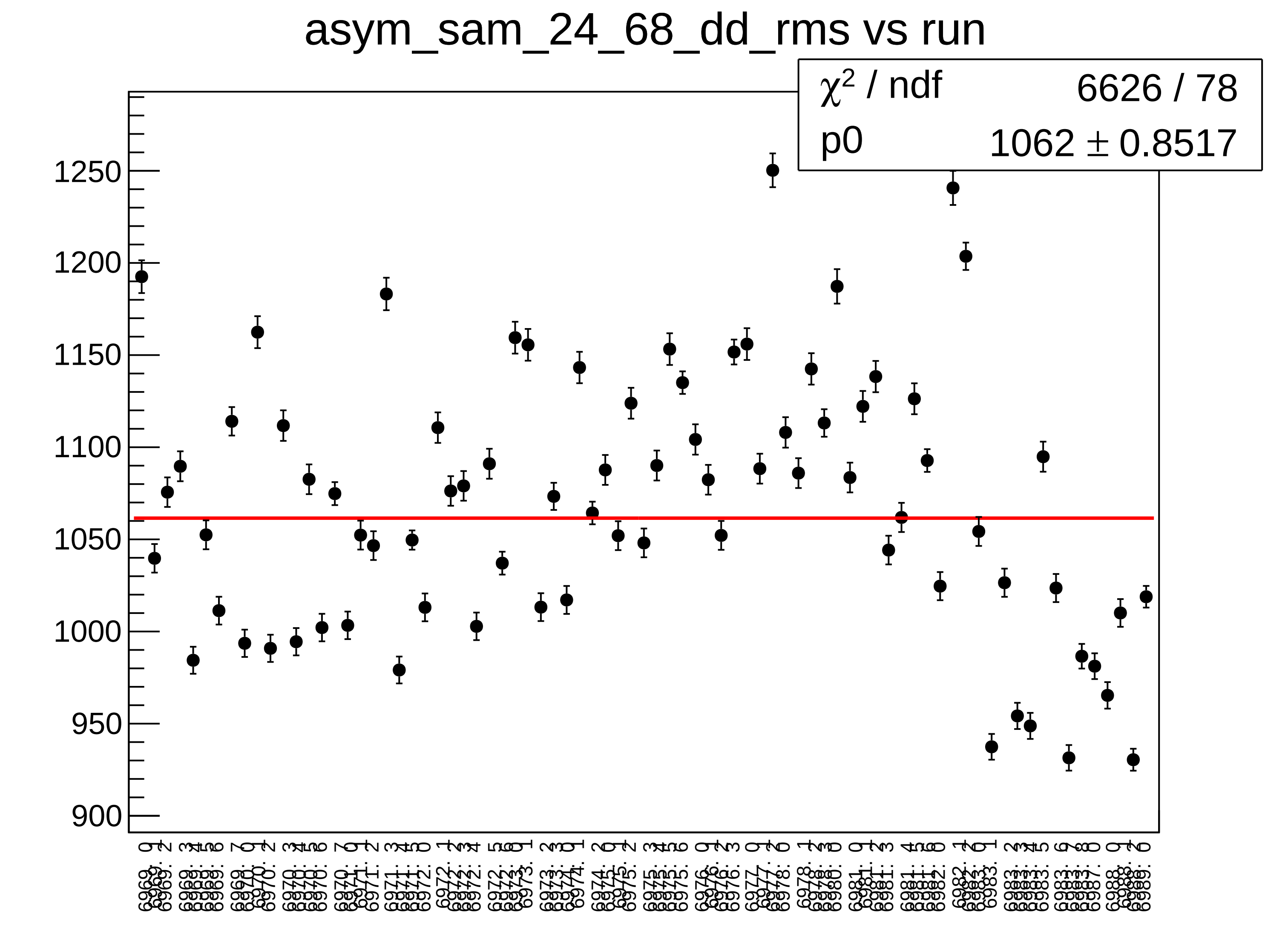


asym_sam_24_68_dd_correction_rms vs run
χ2 / ndf 6165 / 78
p0 1060 ± 0.8502
1250
1200
1150
1100
1050
1000
950
900

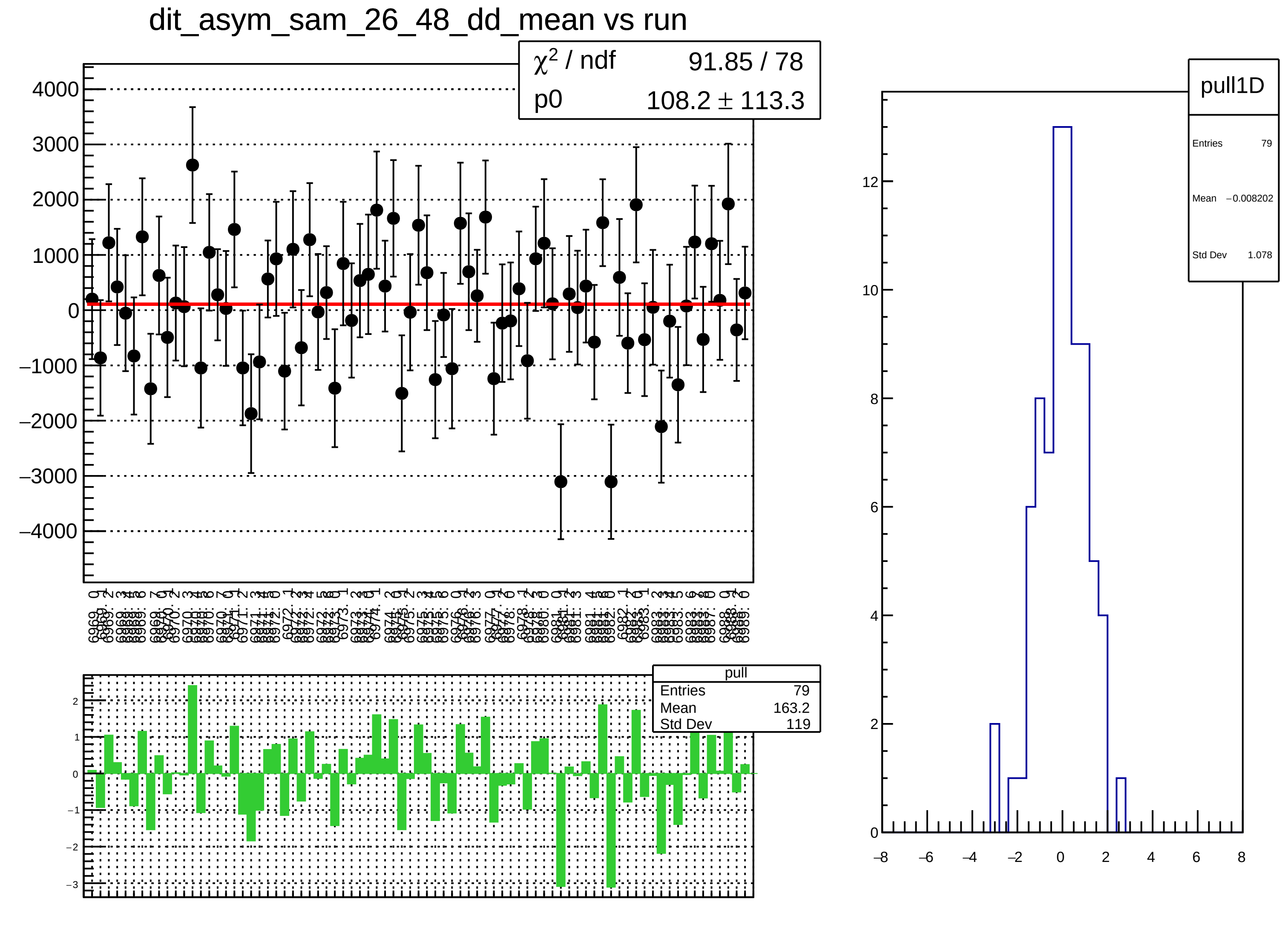
asym_sam_24_68_dd_mean vs run



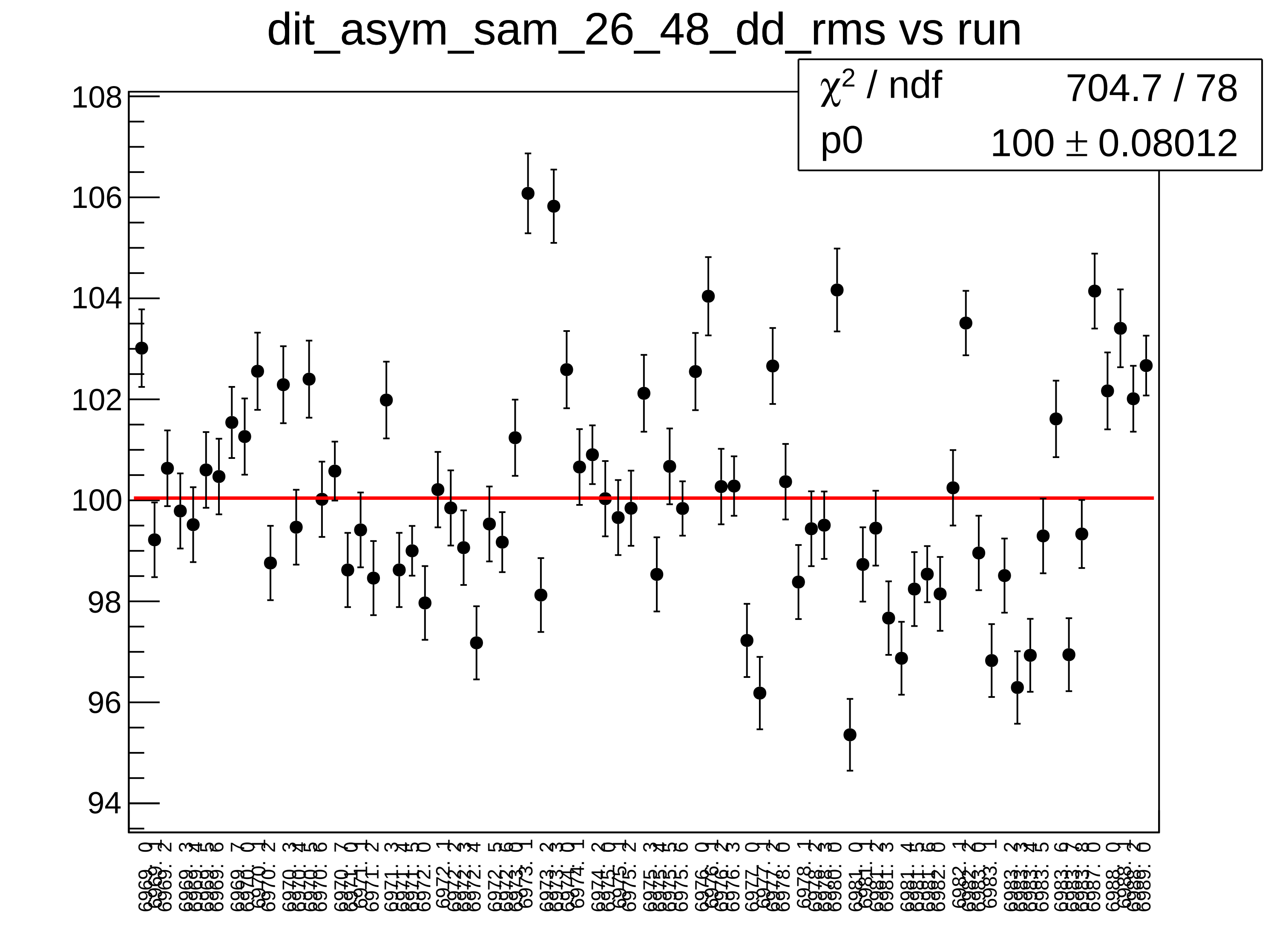




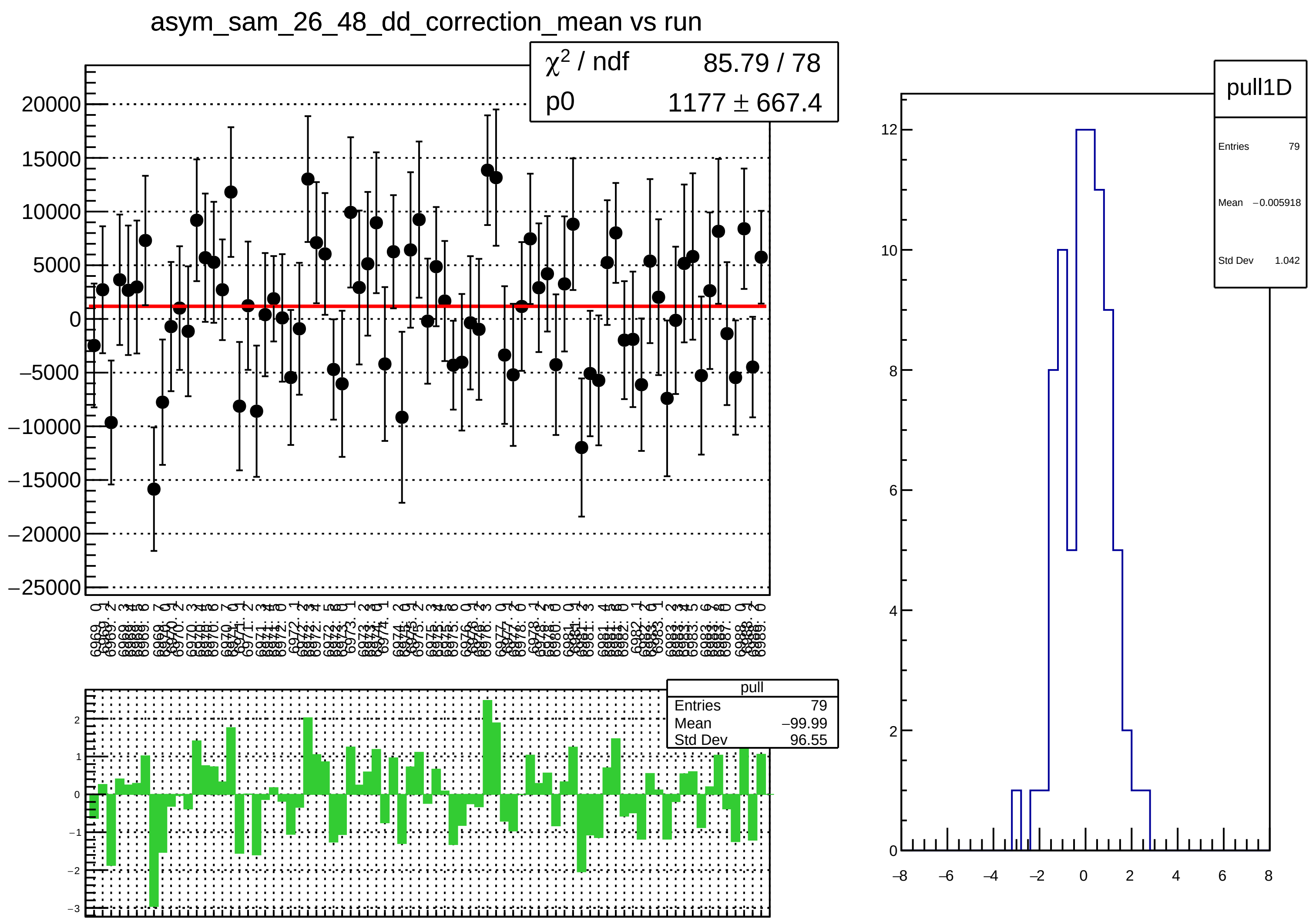
asym_sam_24_68_dd_rms vs run
χ^2 / ndf 6626 / 78
p0 1062 ± 0.8517
1250
1200
1150
1100
1050
1000
950
900



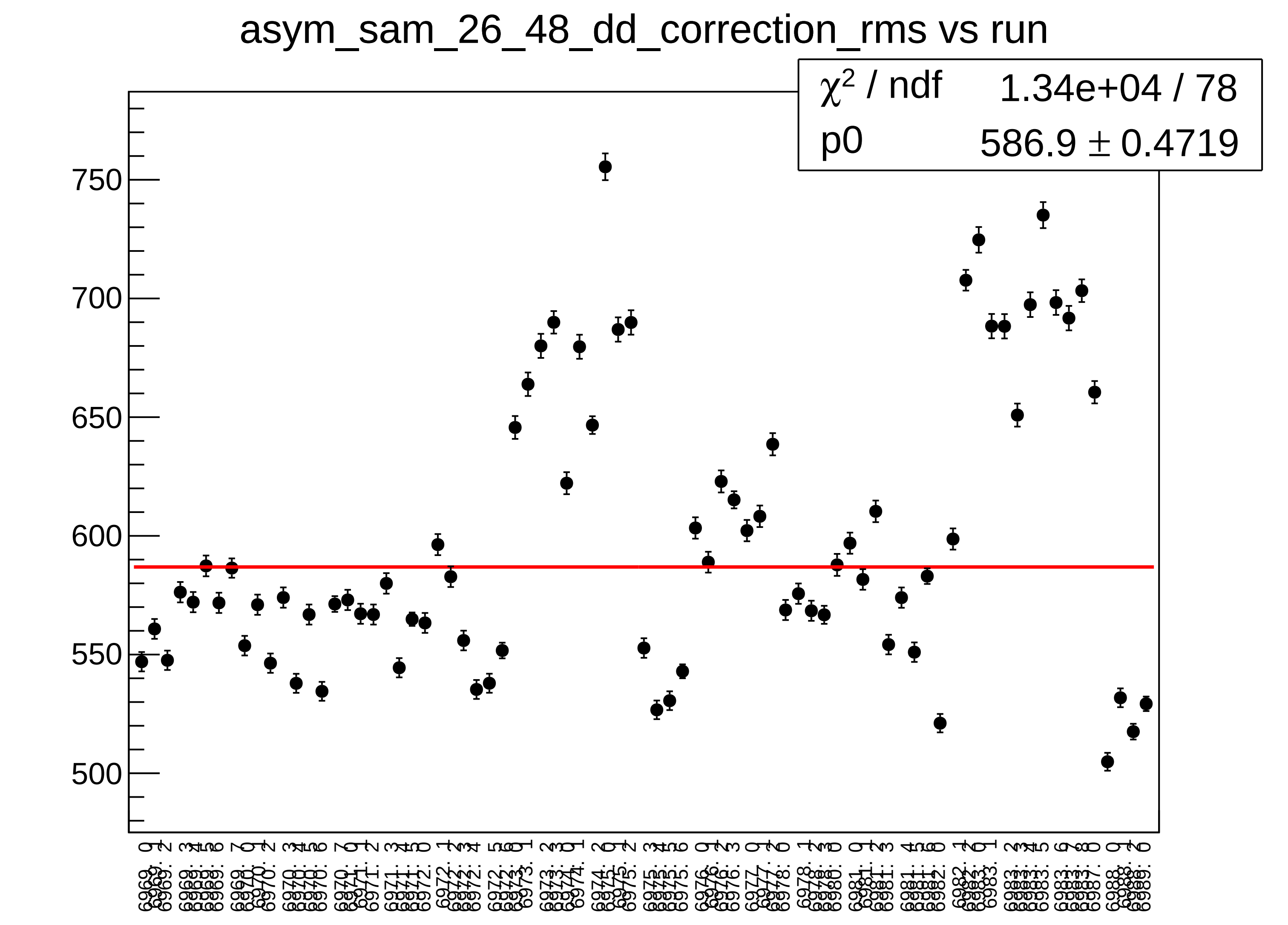
dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 91.85 / 78
p0 108.2 ± 113.3
pull
Entries 79
Mean 163.2
Std Dev 119
pull1D
Entries 79
Mean −0.008202
Std Dev 1.078

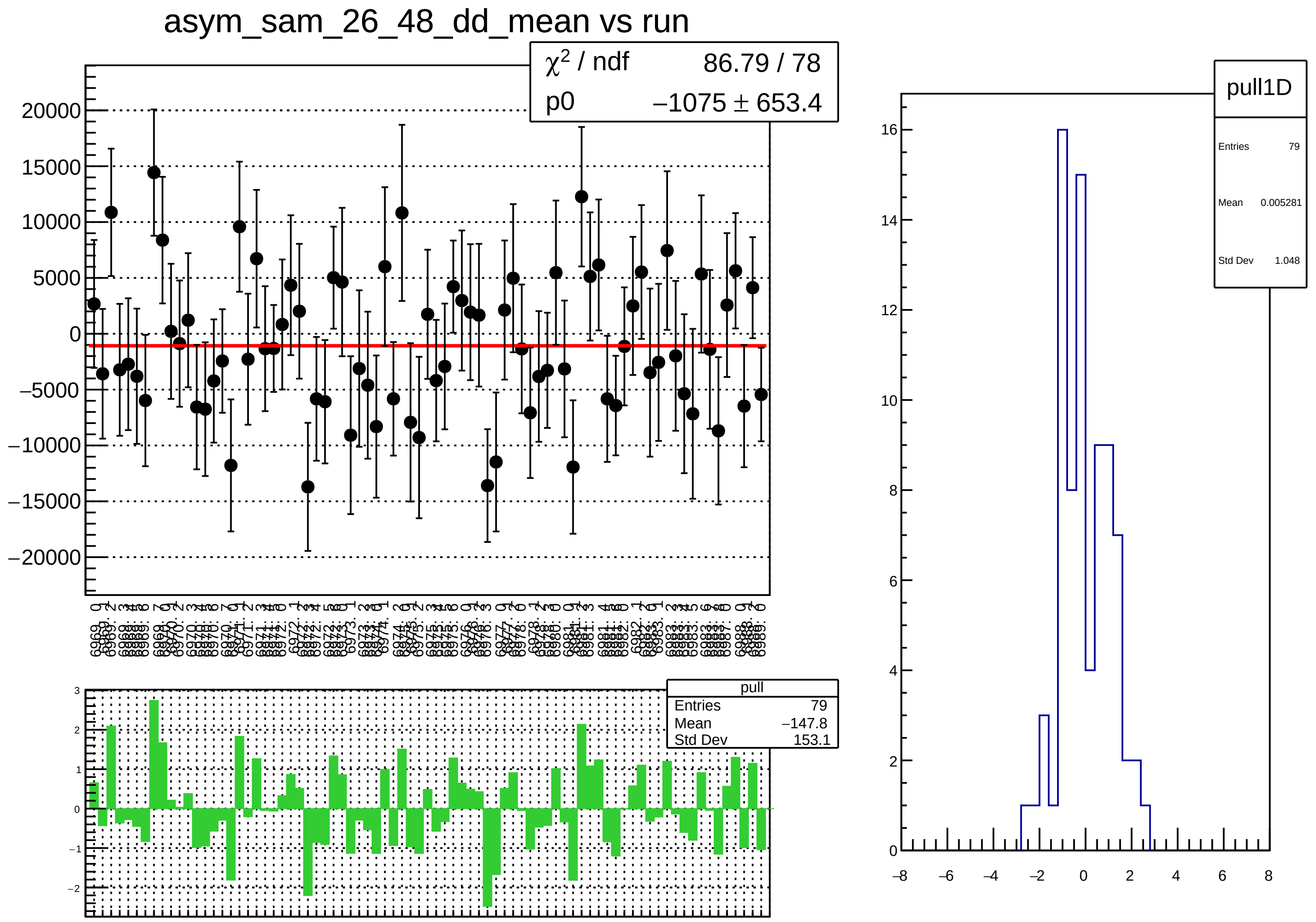


dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 704.7 / 78
p0 100 ± 0.08012
108
106
104
102
100
98
96
94

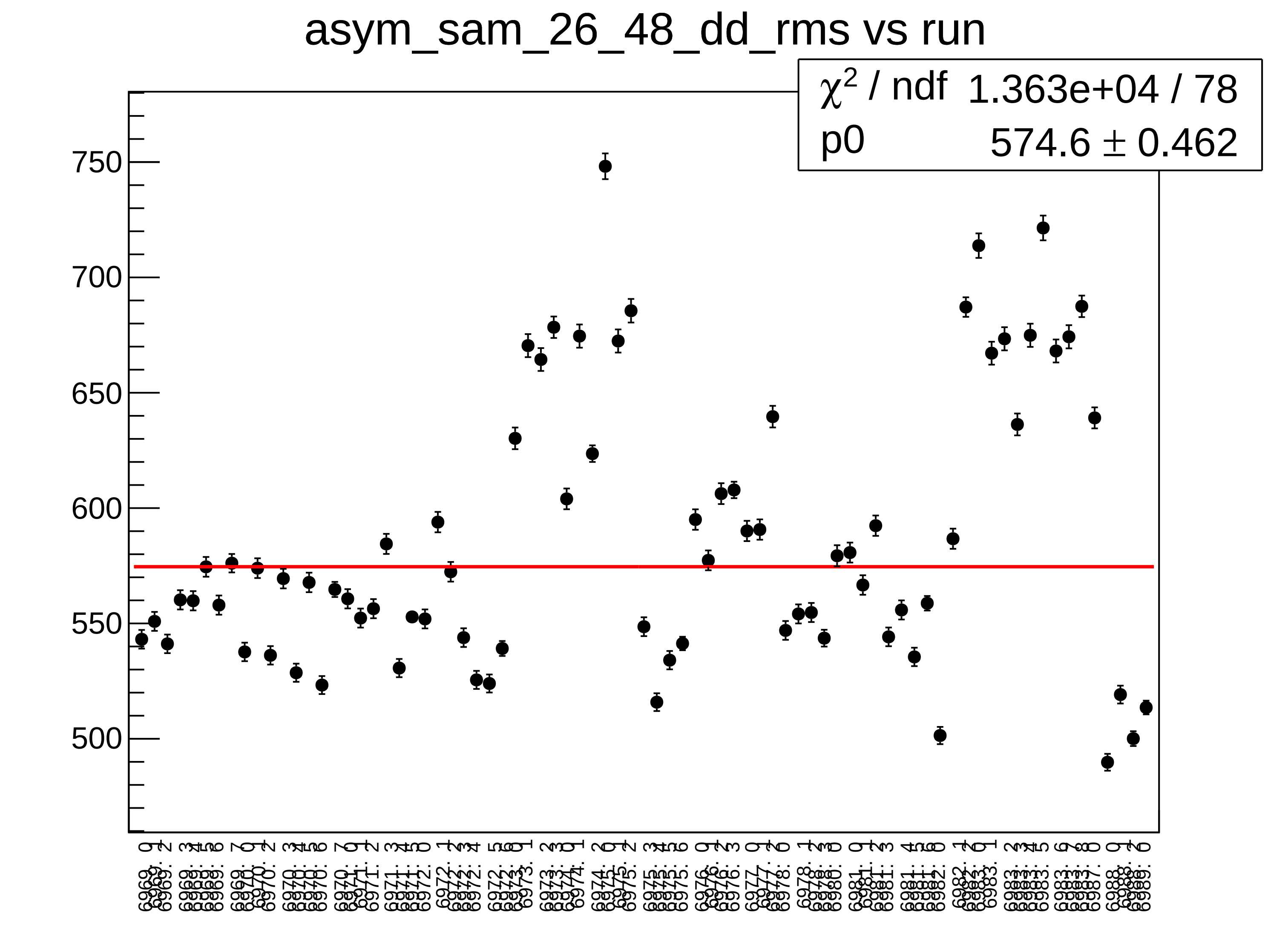


asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 85.79 / 78
p0 1177 ± 667.4
pull
Entries 79
Mean −99.99
Std Dev 96.55
pull1D
Entries 79
Mean −0.005918
Std Dev 1.042

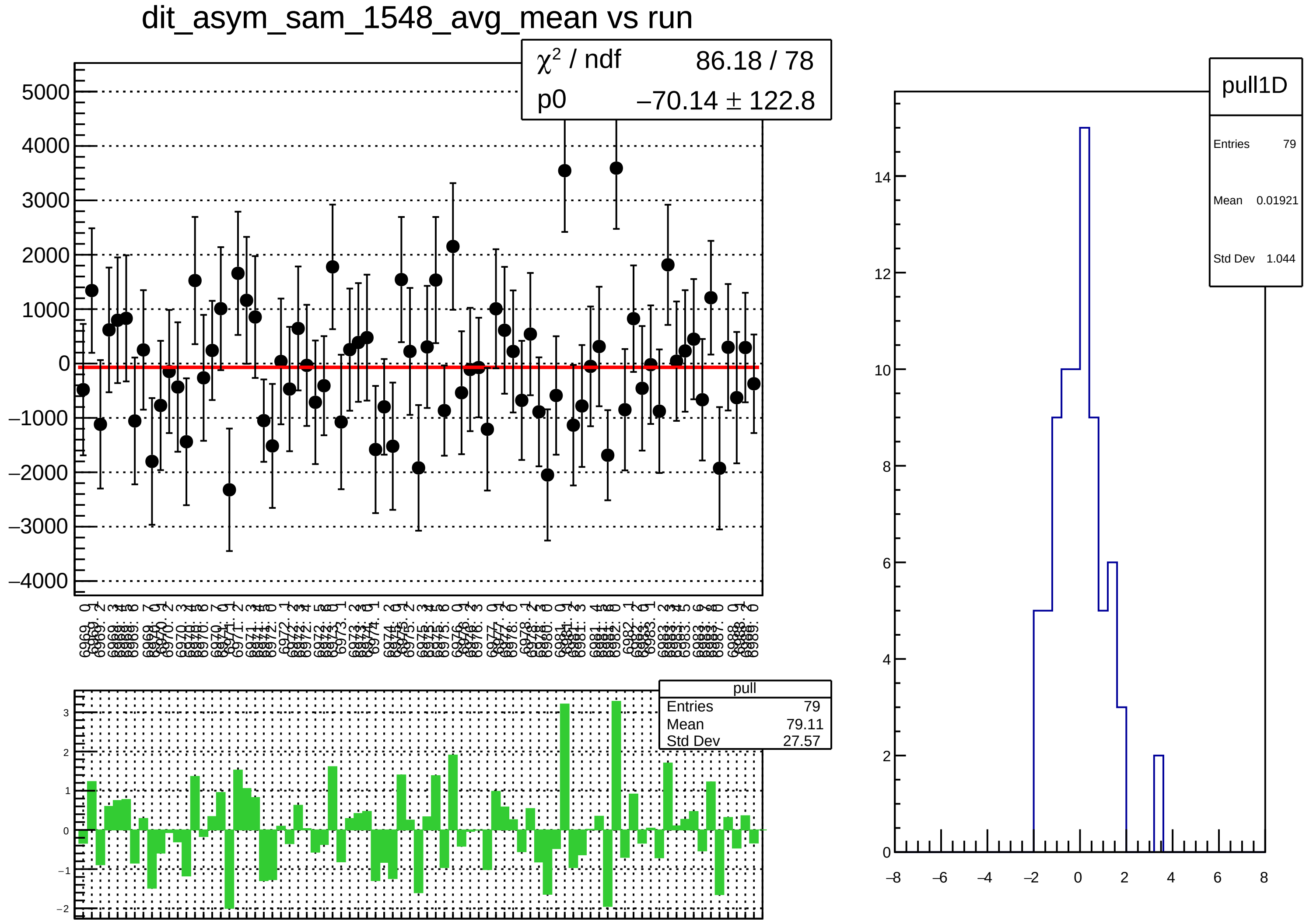

asym_sam_26_48_dd_correction_rms vs run
χ2 / ndf 1.34e+04 / 78
p0 586.9 ± 0.4719
750
700
650
600
550
500



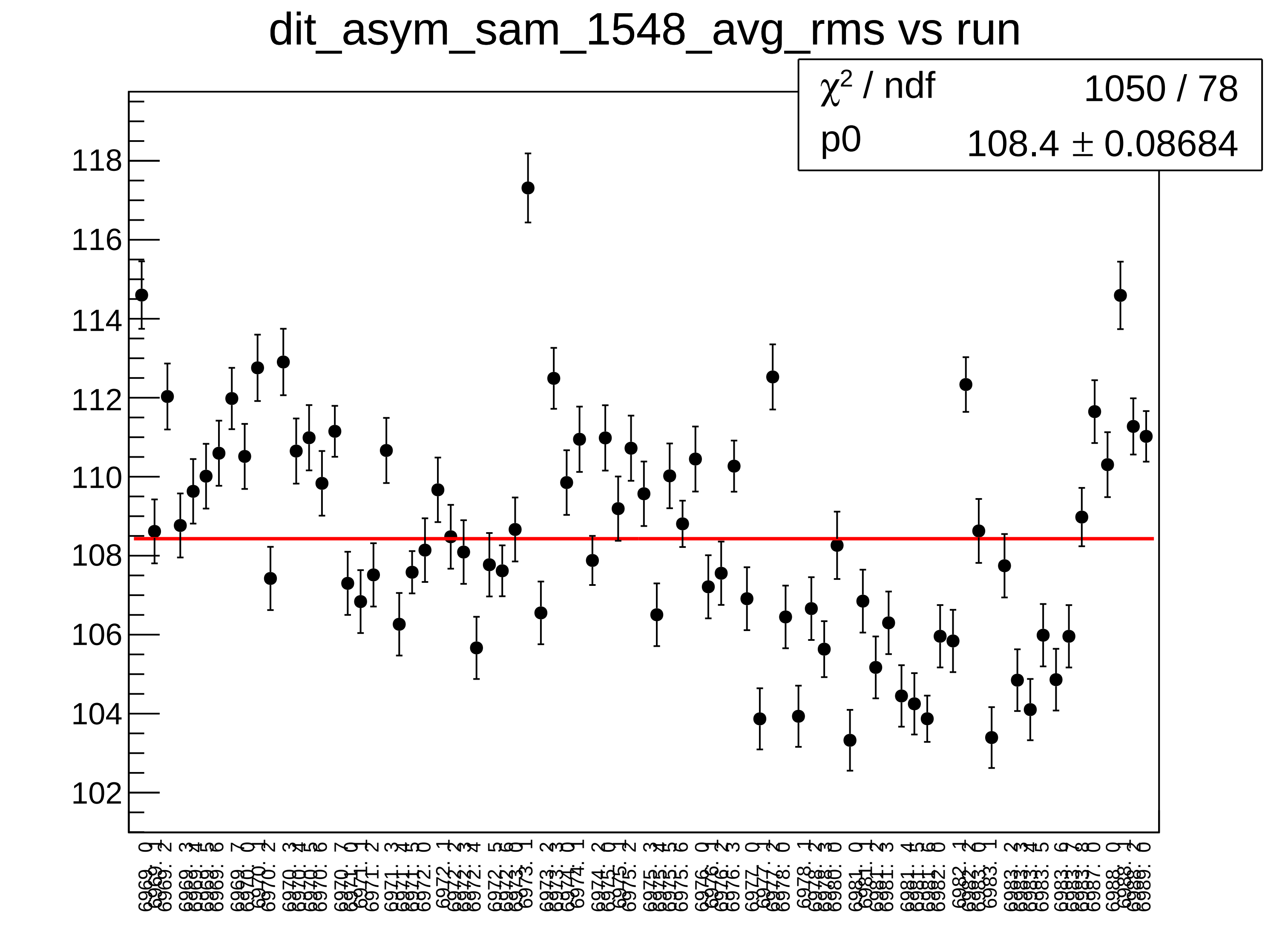
asym_sam_26_48_dd_mean vs run
χ² / ndf 86.79 / 78
p0 −1075 ± 653.4
pull
Entries 79
Mean −147.8
Std Dev 153.1
pull1D
Entries 79
Mean 0.005281
Std Dev 1.048

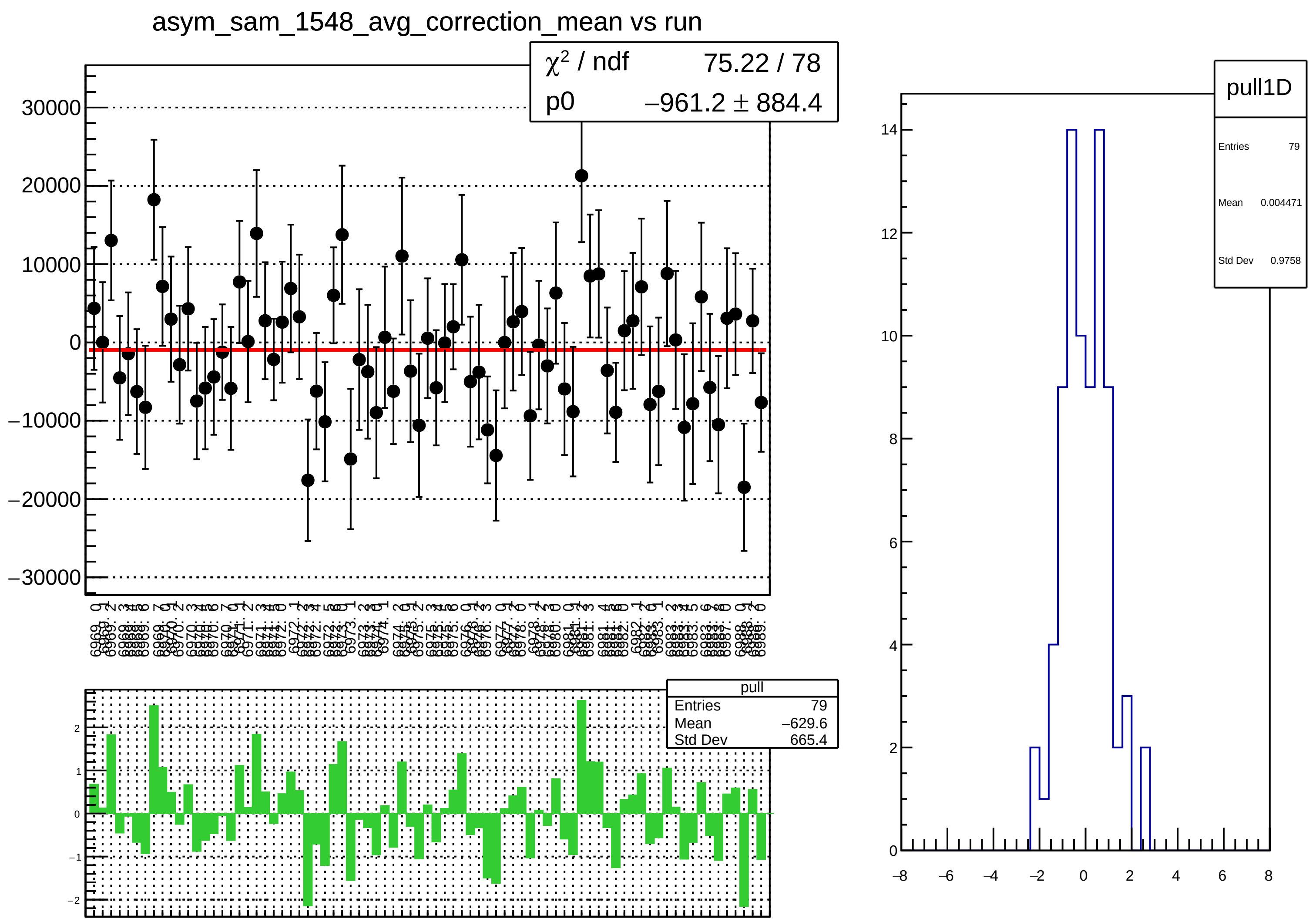


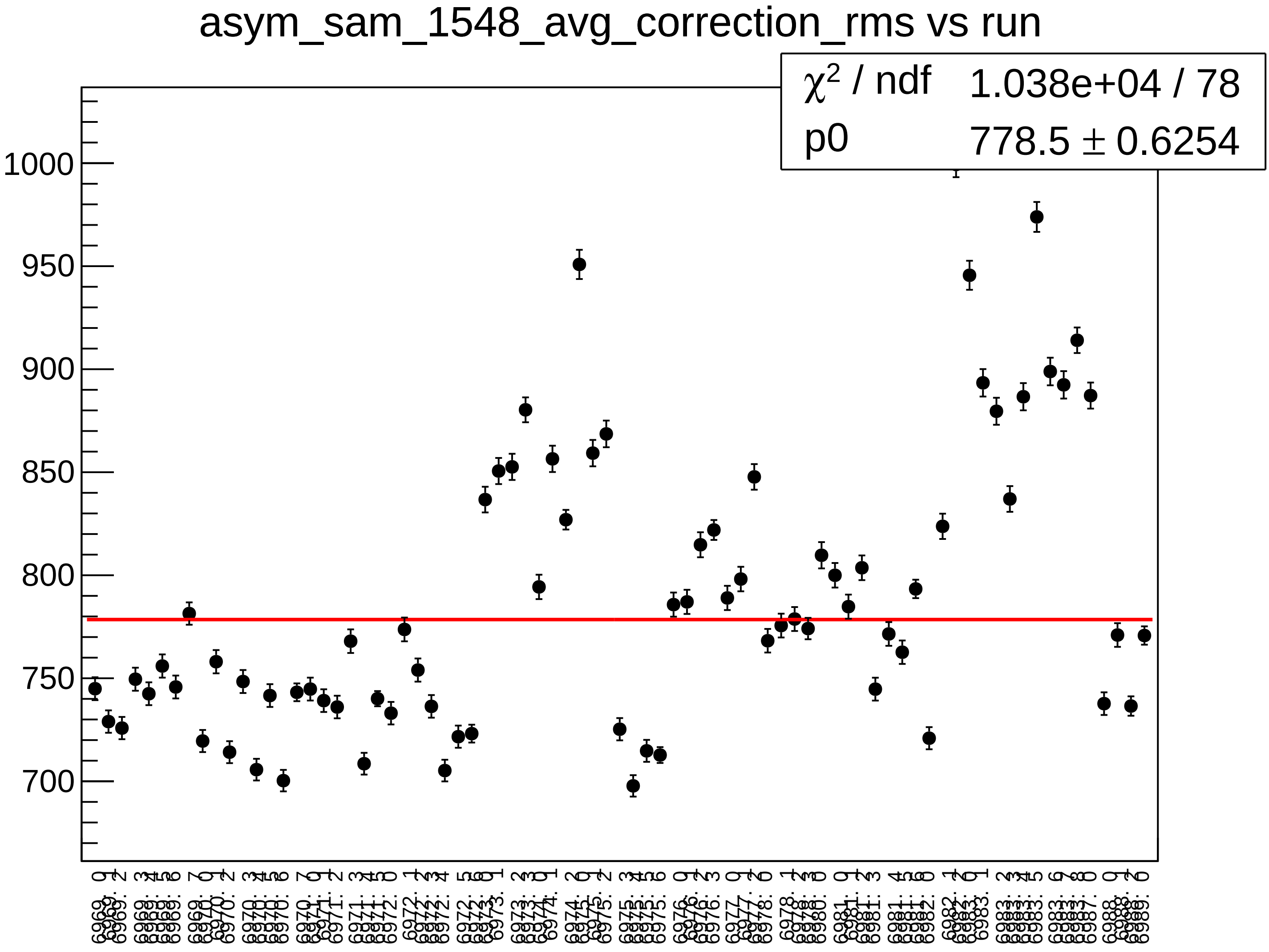
asym_sam_26_48_dd_rms vs run
χ2 / ndf 1.363e+04 / 78
p0 574.6 ± 0.462
750
700
650
600
550
500



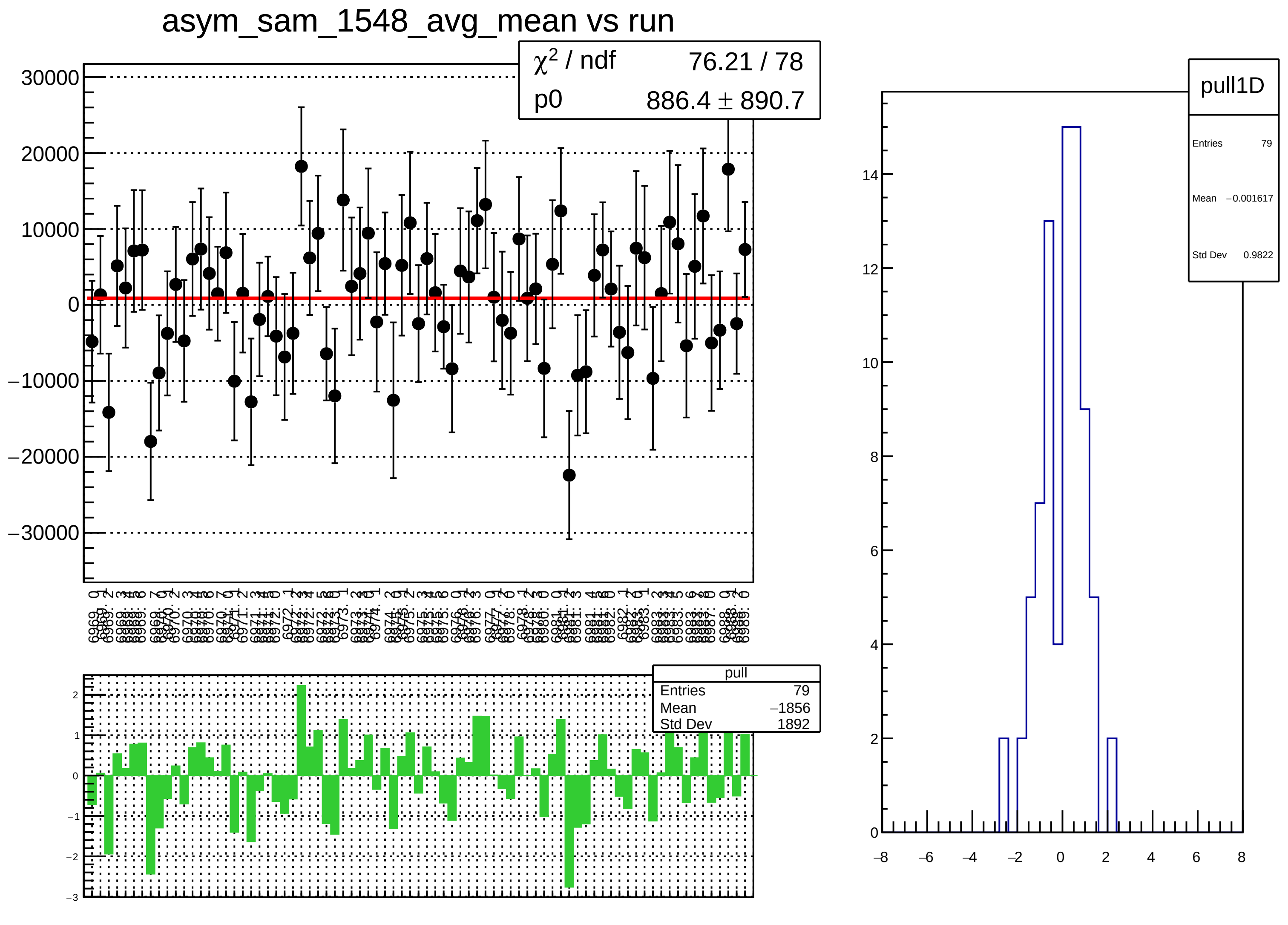
dit_asym_sam_1548_avg_mean vs run
χ2 / ndf 86.18 / 78
p0 −70.14 ± 122.8
pull
Entries 79
Mean 79.11
Std Dev 27.57
pull1D
Entries 79
Mean 0.01921
Std Dev 1.044


dit_asym_sam_1548_avg_rms vs run
χ2 / ndf 1050 / 78
p0 108.4 ± 0.08684
118
116
114
112
110
108
106
104
102

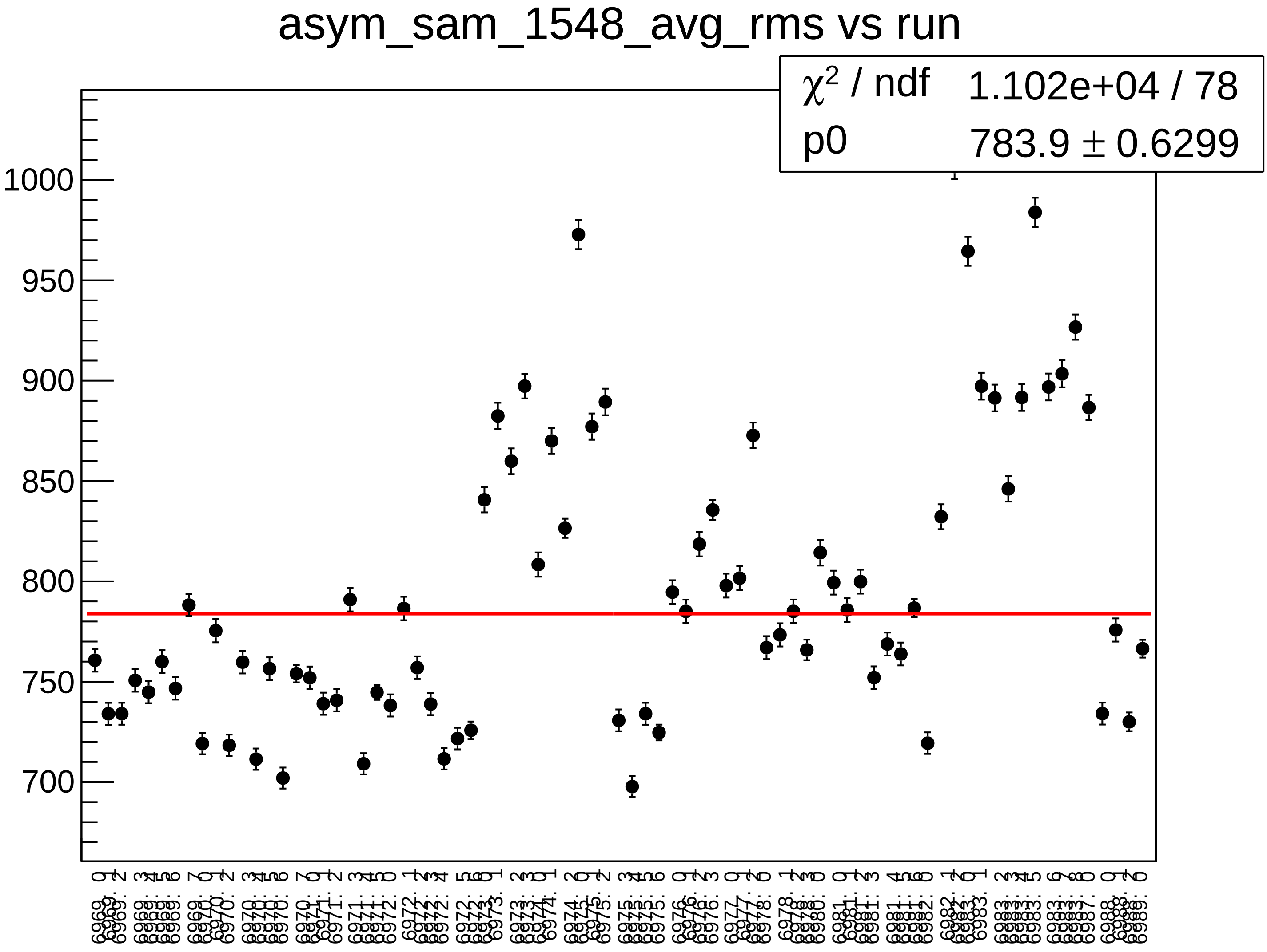

asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 75.22 / 78
p0 −961.2 ± 884.4
pull
Entries 79
Mean −629.6
Std Dev 665.4
pull1D
Entries 79
Mean 0.004471
Std Dev 0.9758

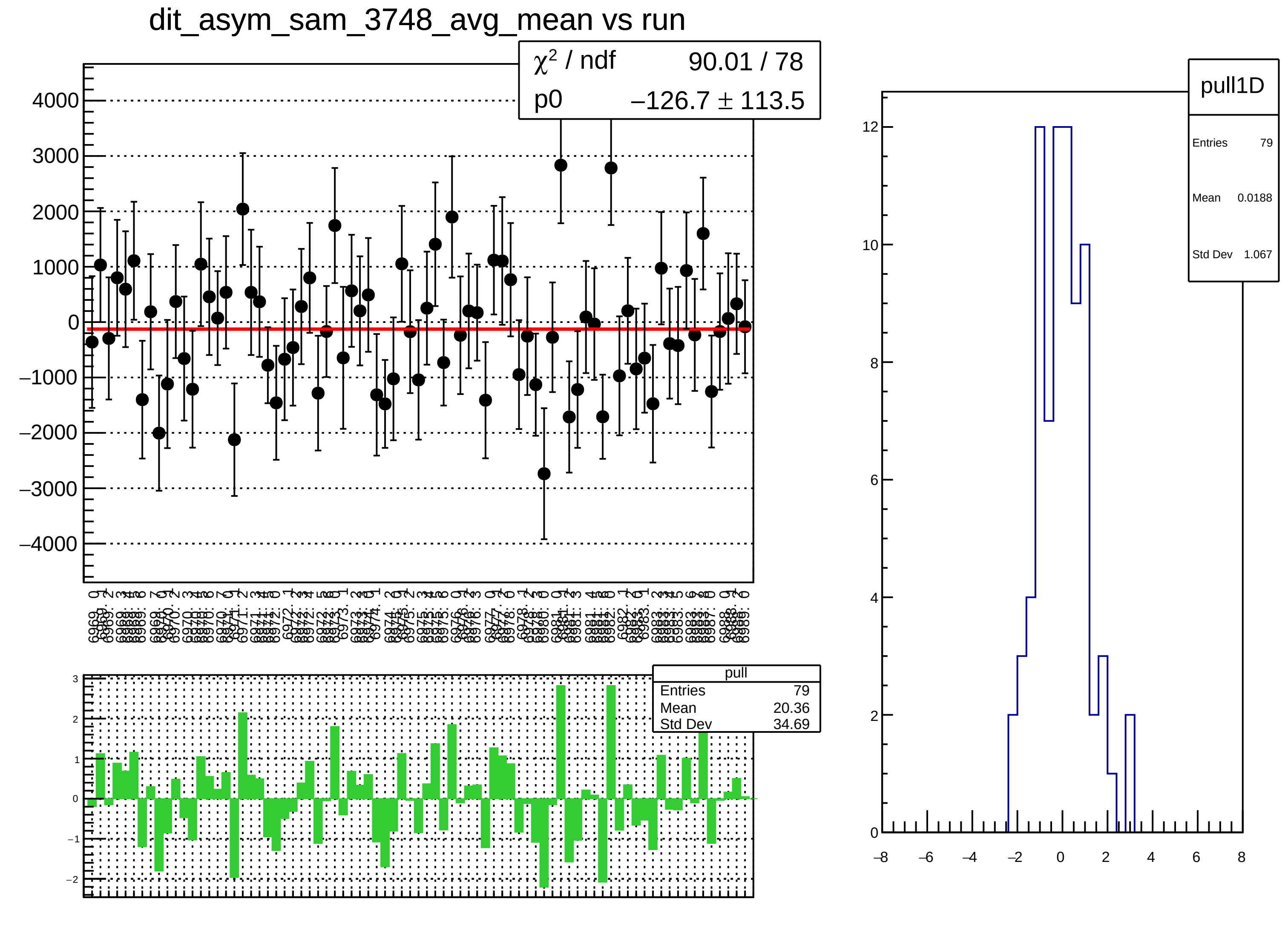


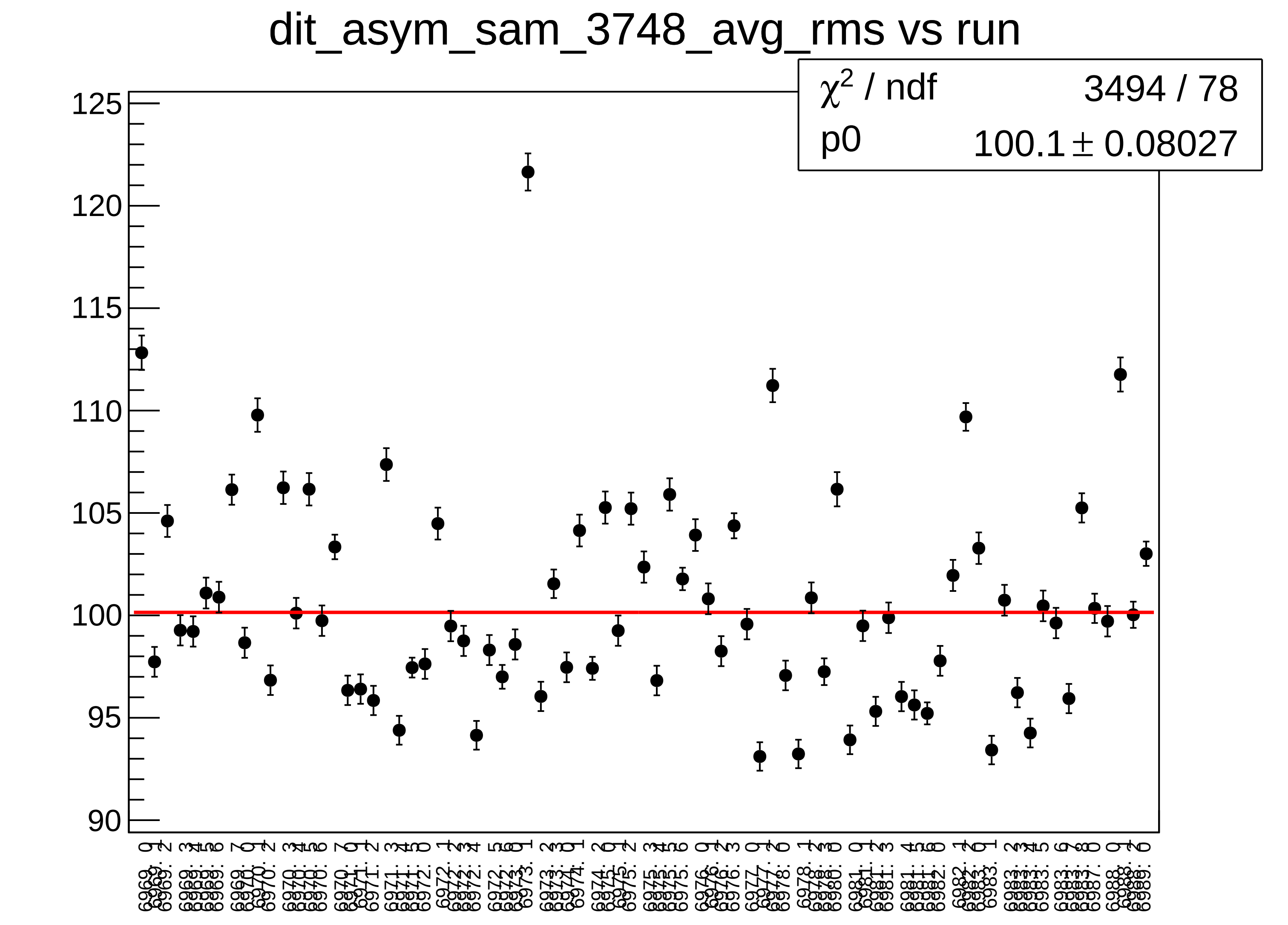
asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 1.038e+04 / 78
p0 778.5 ± 0.6254
1000
950
900
850
800
750
700



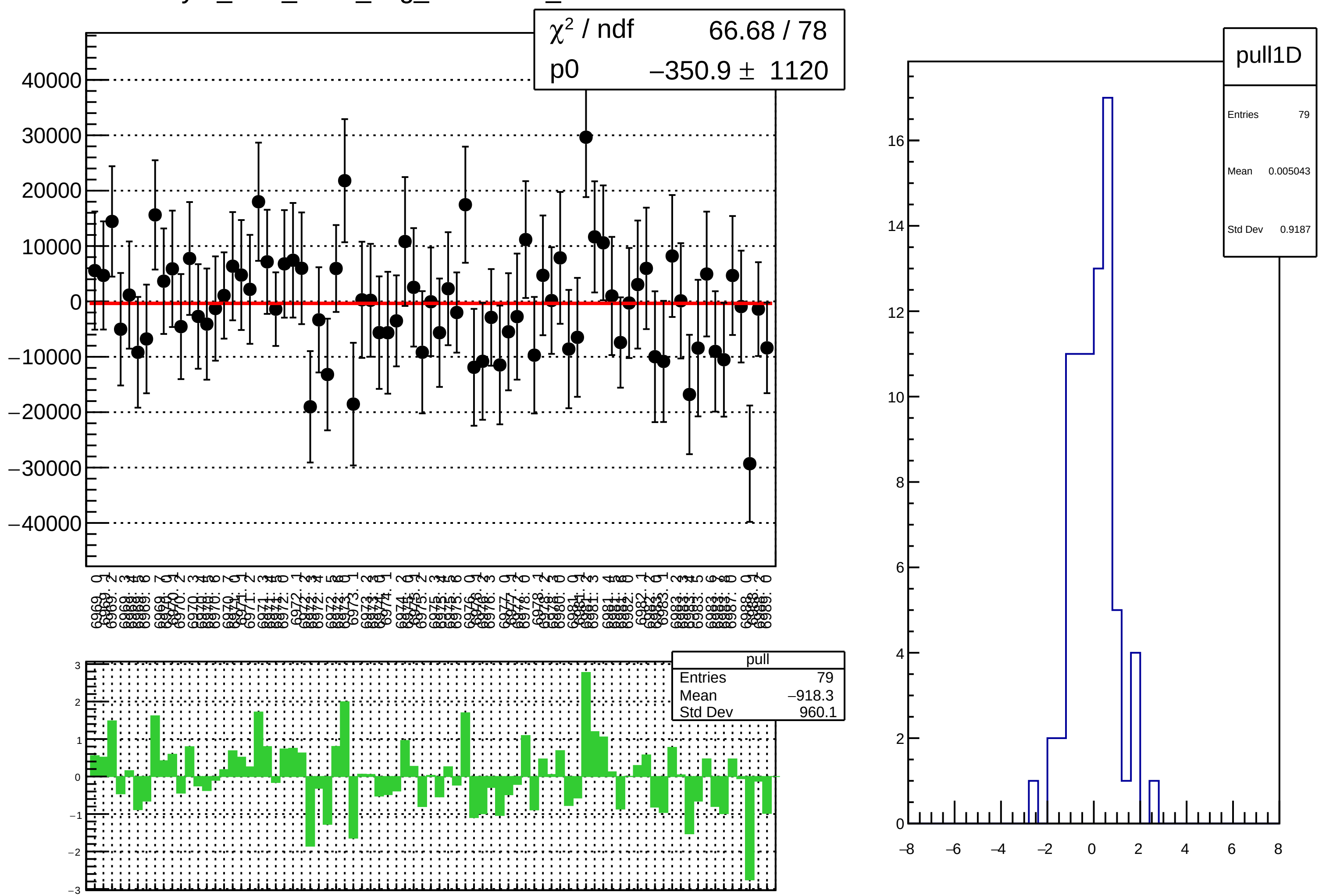
asym_sam_1548_avg_mean vs run
χ^2 / ndf 76.21 / 78
p0 886.4 ± 890.7
pull
Entries 79
Mean −1856
Std Dev 1892
pull1D
Entries 79
Mean −0.001617
Std Dev 0.9822

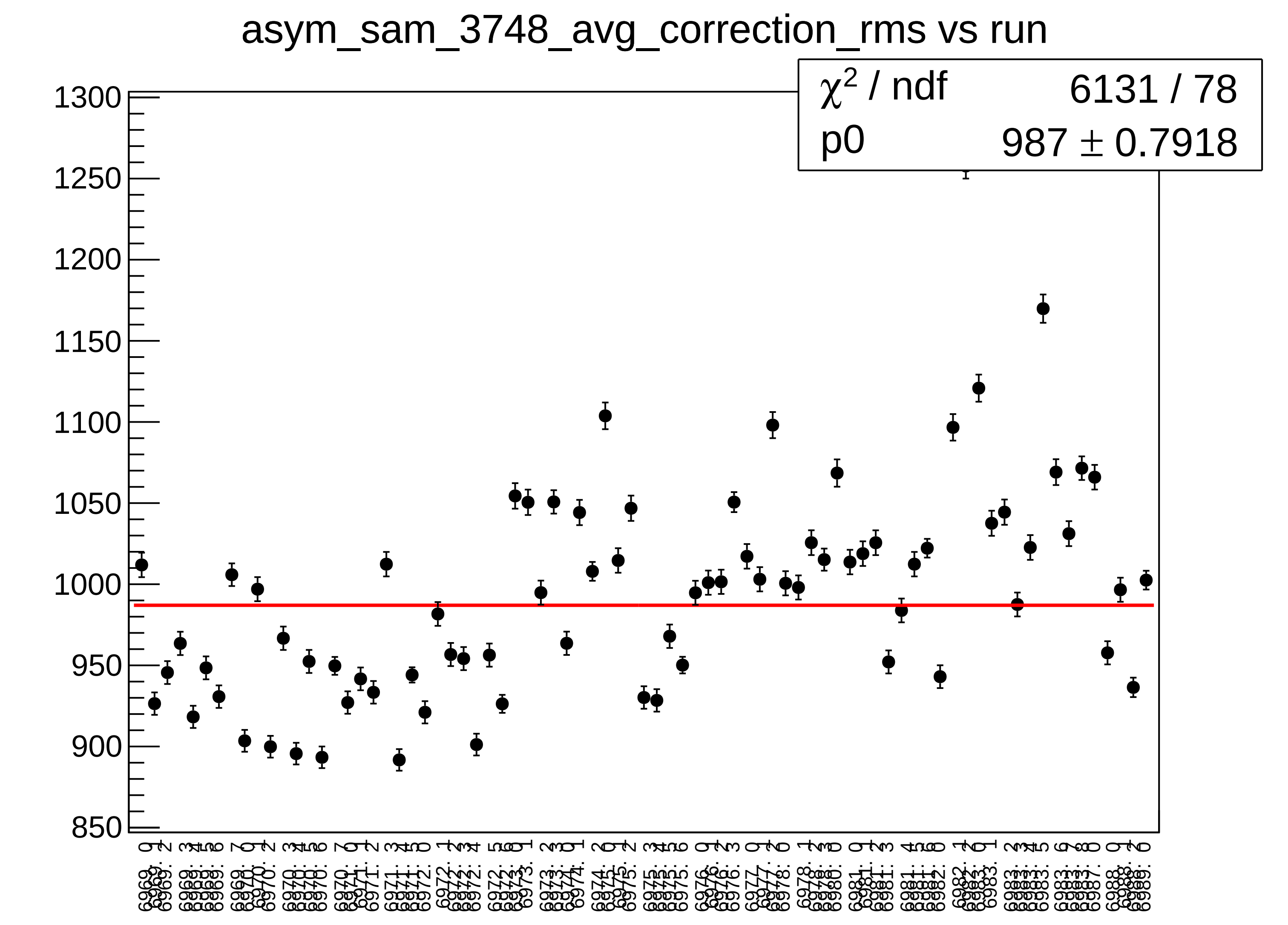

asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.102e+04 / 78
p0 783.9 ± 0.6299
1000
950
900
850
800
750
700


dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 90.01 / 78
p0 −126.7 ± 113.5
pull
Entries 79
Mean 20.36
Std Dev 34.69
pull1D
Entries 79
Mean 0.0188
Std Dev 1.067

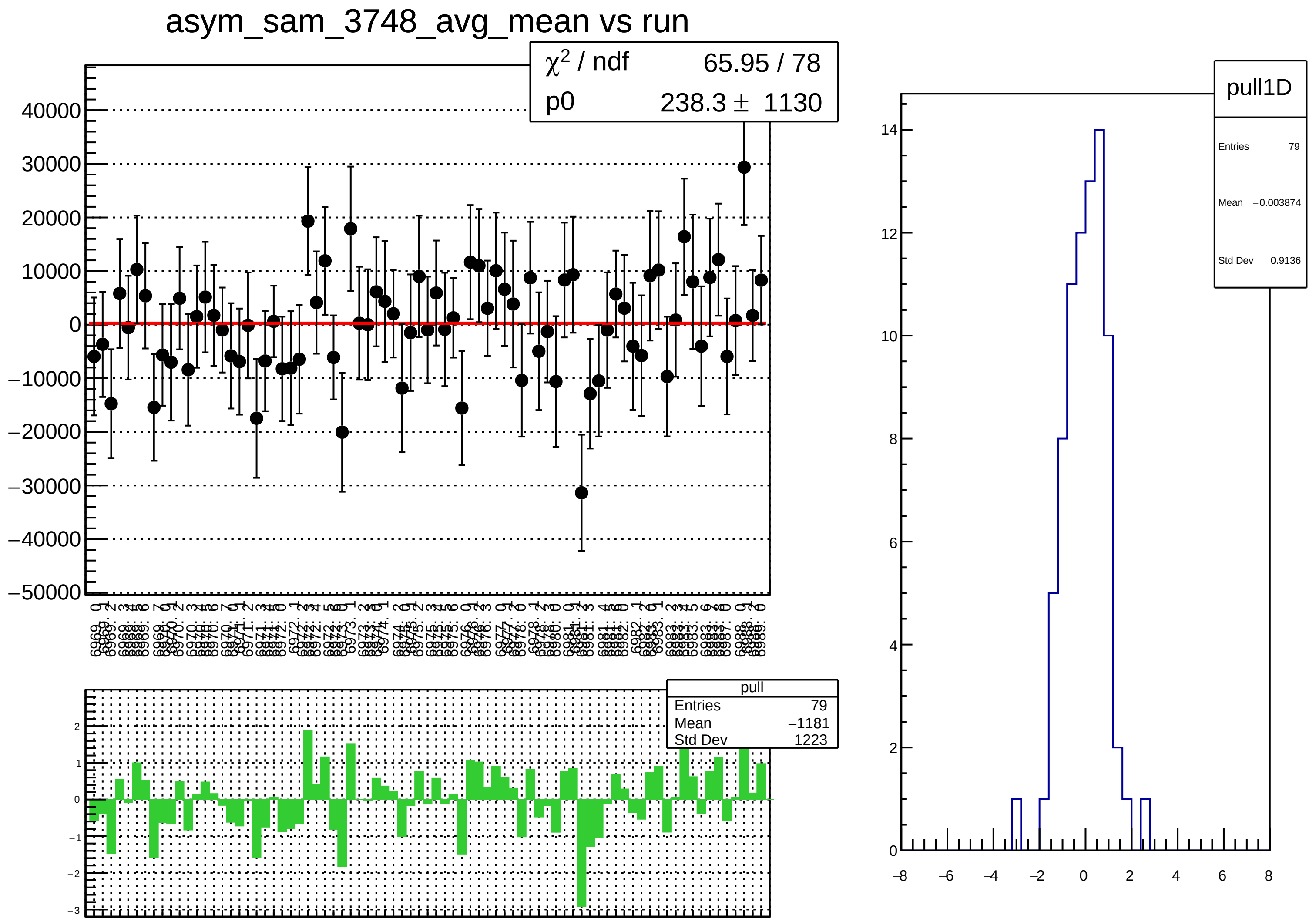

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 3494 / 78
p0 100.1 ± 0.08027

asym_sam_3748_avg_correction_mean vs run

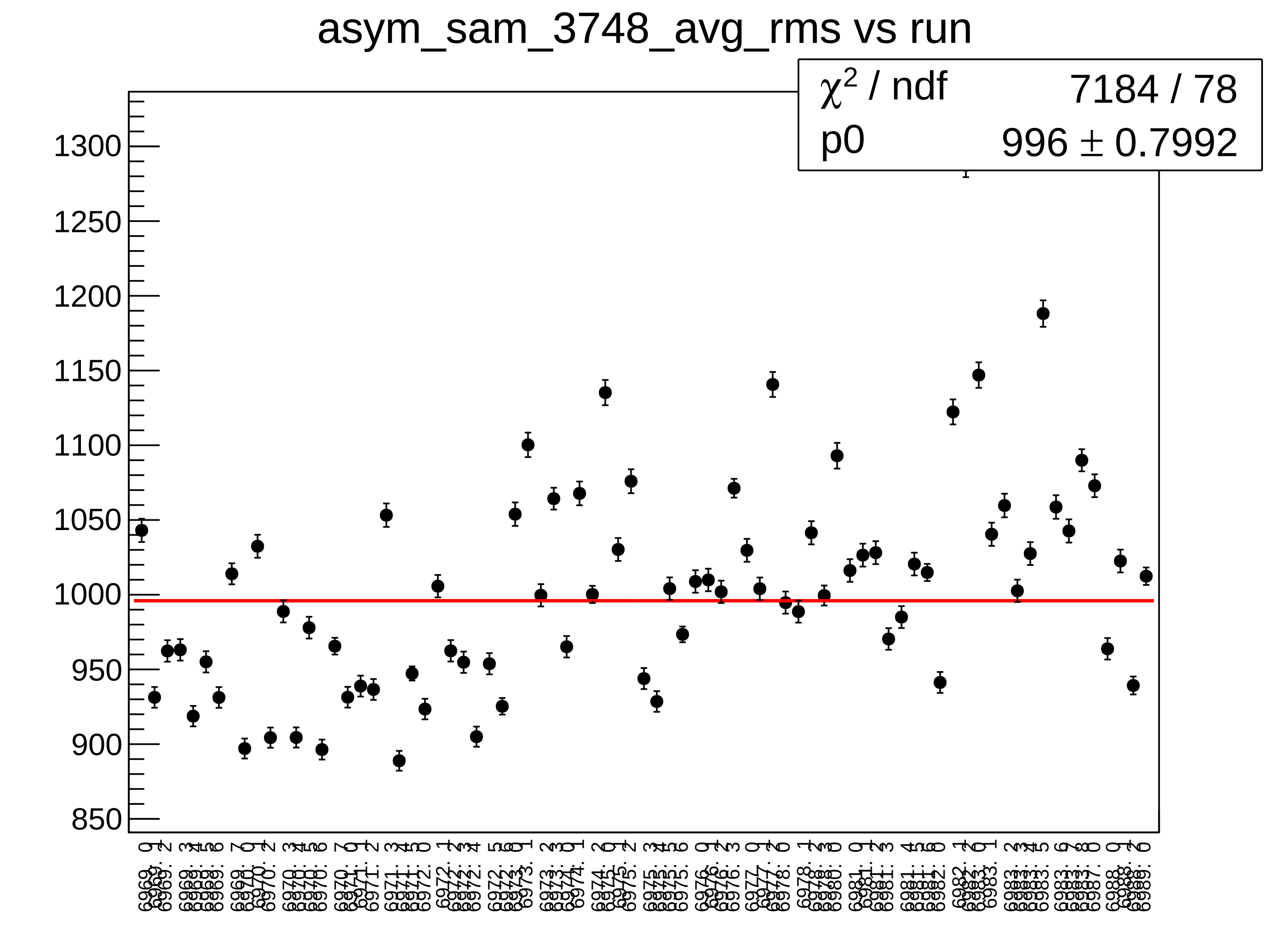


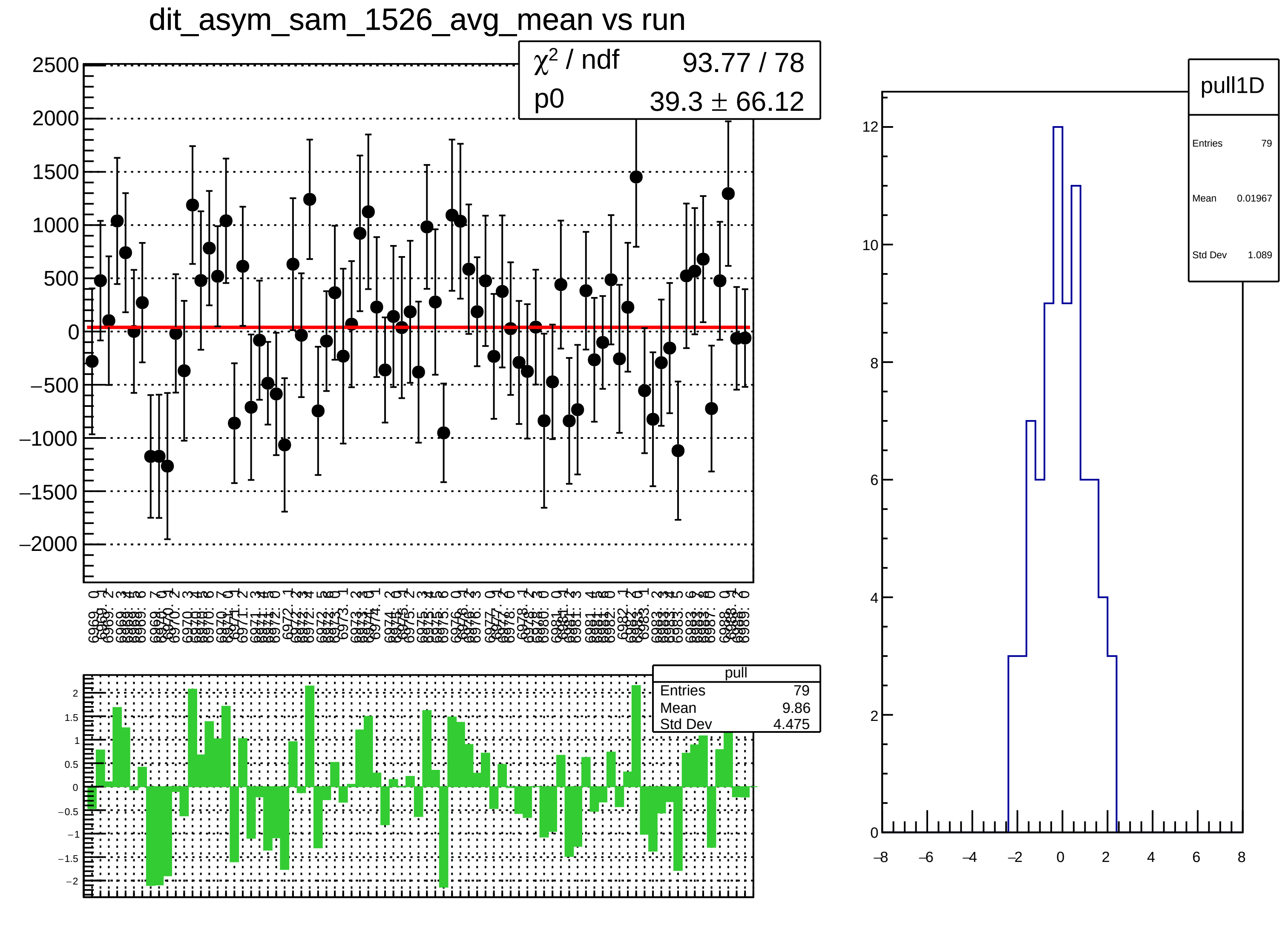


asym_sam_3748_avg_correction_rms vs run
χ2 / ndf 6131 / 78
p0 987 ± 0.7918

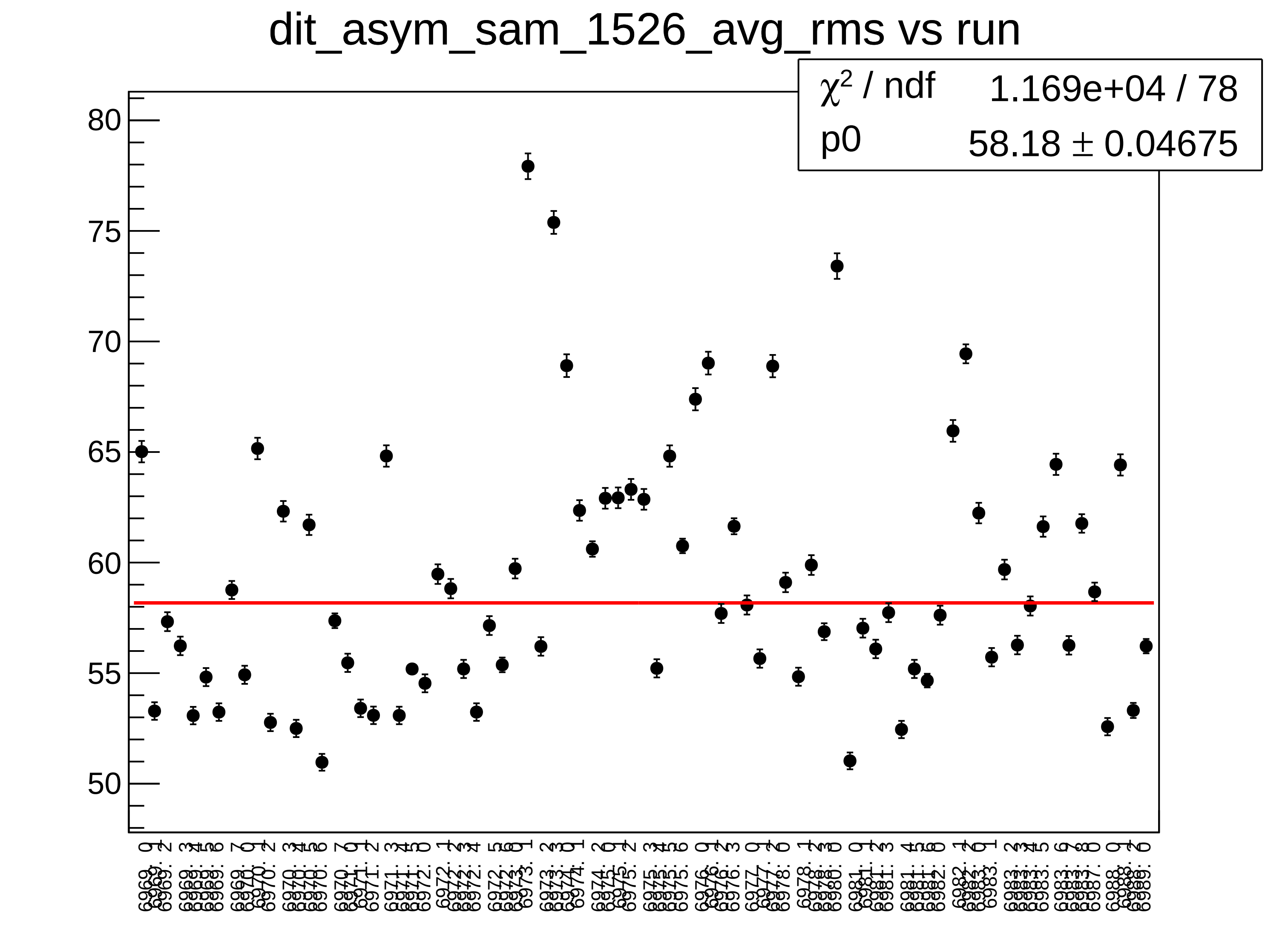


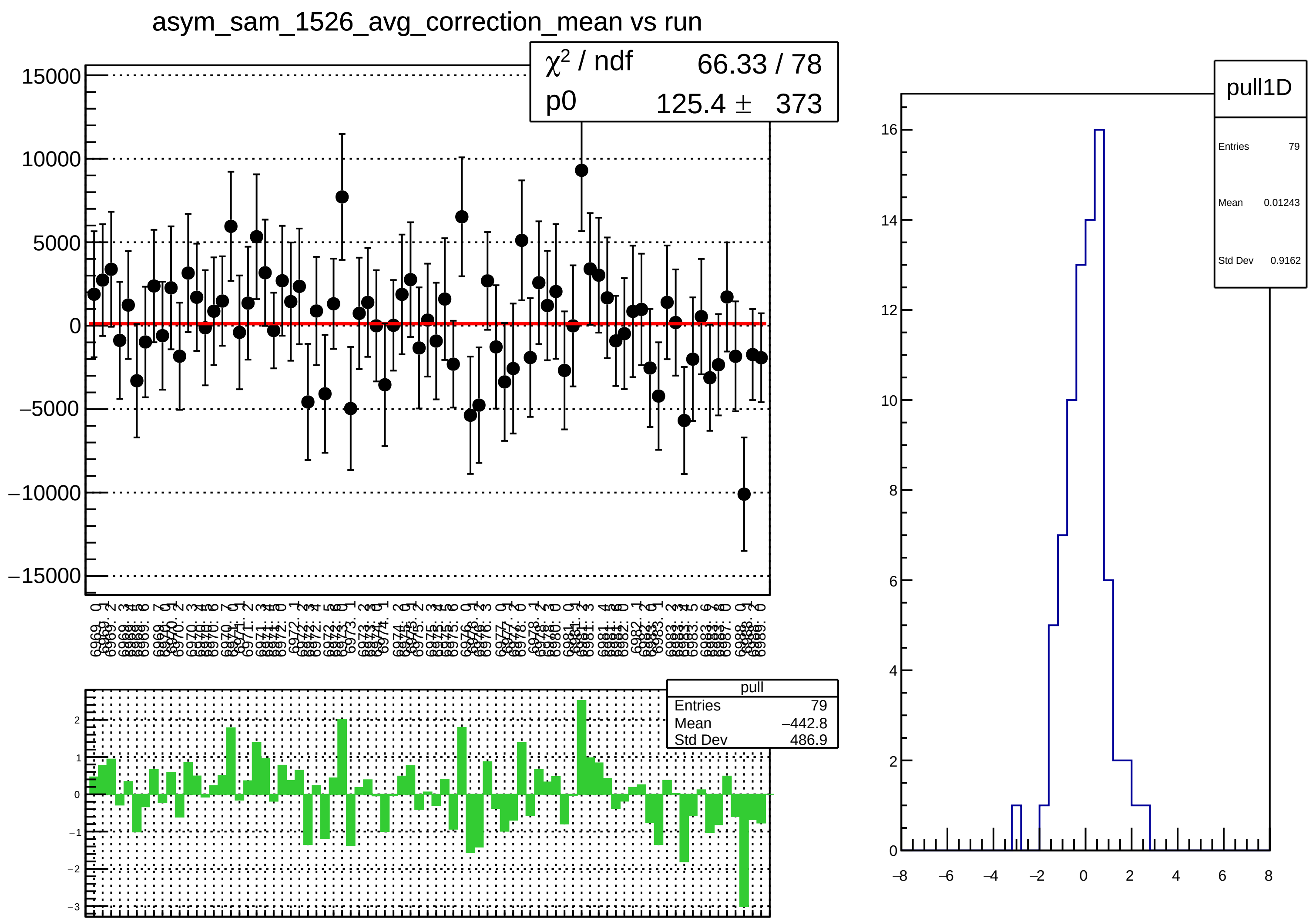
asym_sam_3748_avg_mean vs run
χ^2 / ndf 65.95 / 78
p0 238.3 ± 1130
pull
Entries 79
Mean −1181
Std Dev 1223
pull1D
Entries 79
Mean −0.003874
Std Dev 0.9136


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

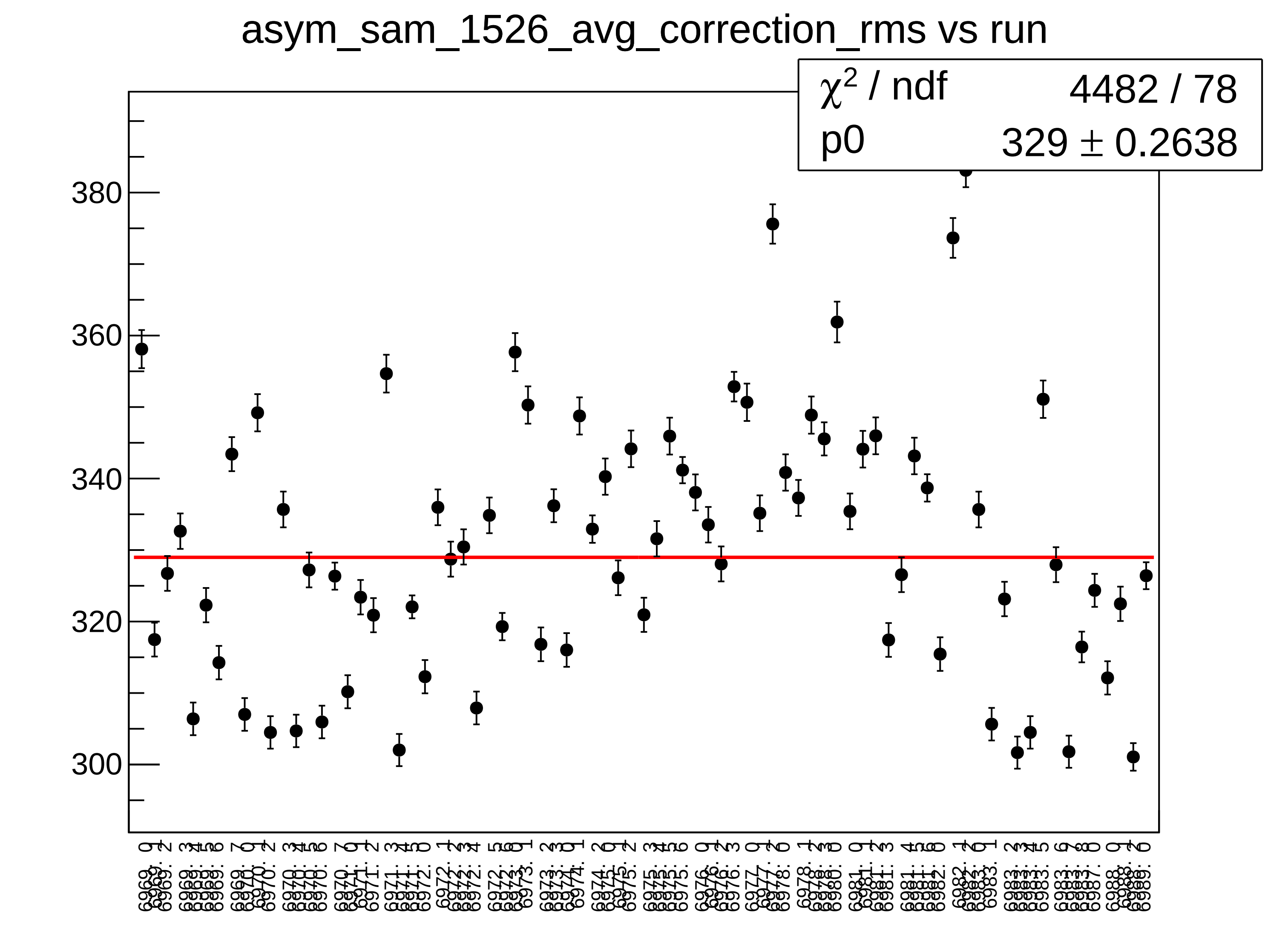


dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 93.77 / 78
p0 39.3 ± 66.12
pull
Entries 79
Mean 9.86
Std Dev 4.475
pull1D
Entries 79
Mean 0.01967
Std Dev 1.089

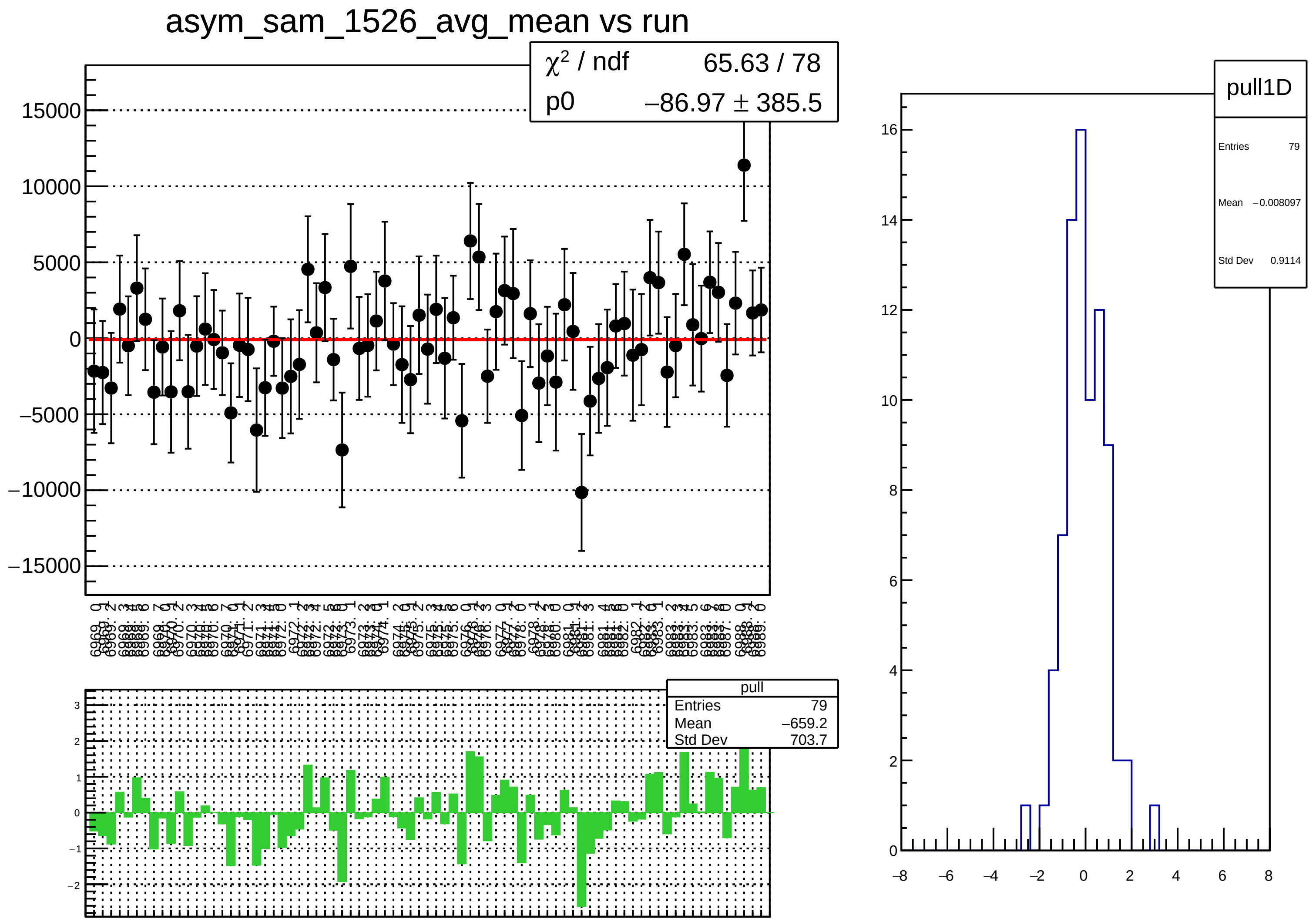

dit_asym_sam_1526_avg_rms vs run
χ2 / ndf 1.169e+04 / 78
p0 58.18 ± 0.04675
80
75
70
65
60
55
50

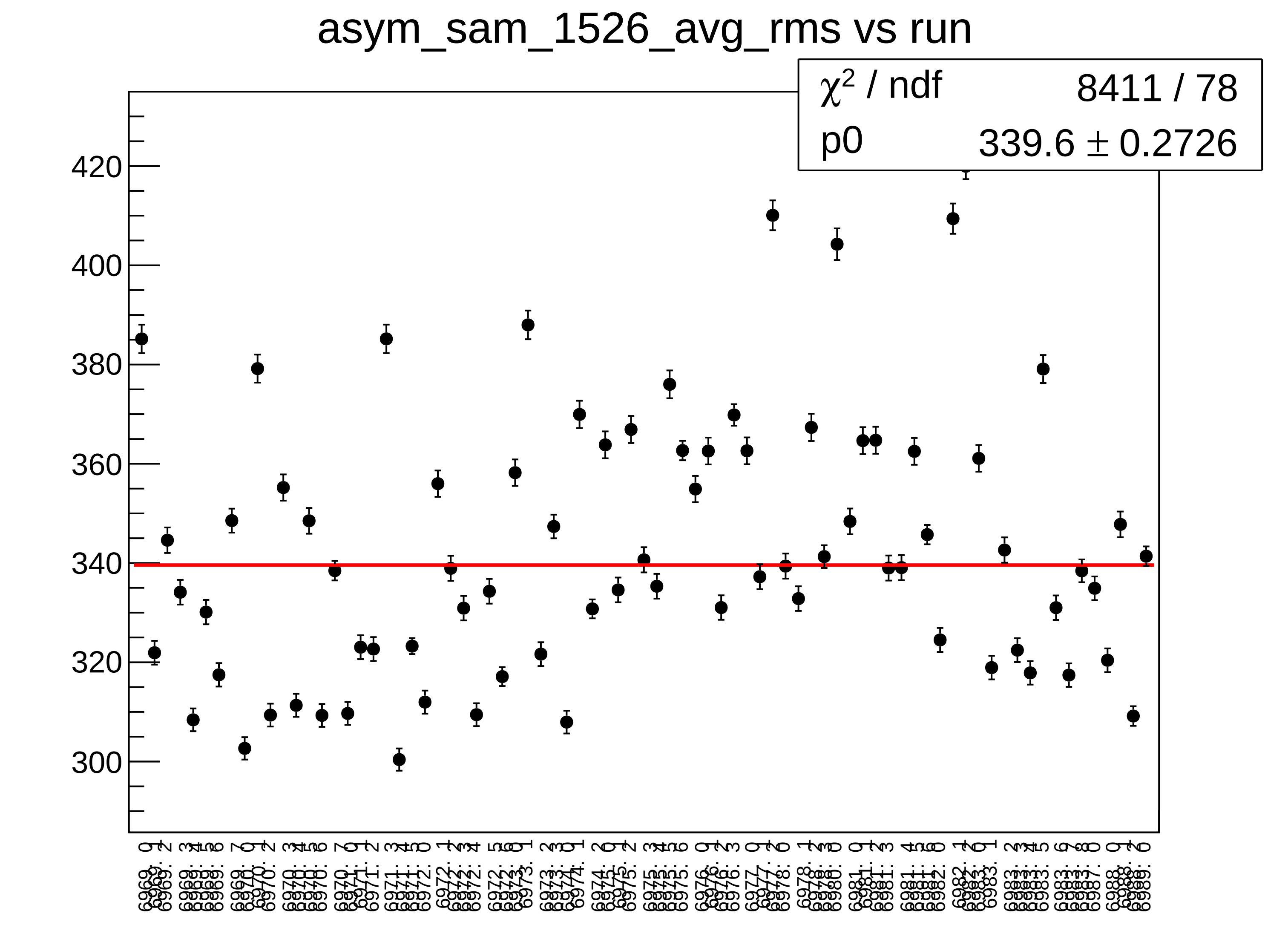


asym_sam_1526_avg_correction_mean vs run
χ2 / ndf 66.33 / 78
p0 125.4 ± 373
pull
Entries 79
Mean −442.8
Std Dev 486.9
pull1D
Entries 79
Mean 0.01243
Std Dev 0.9162

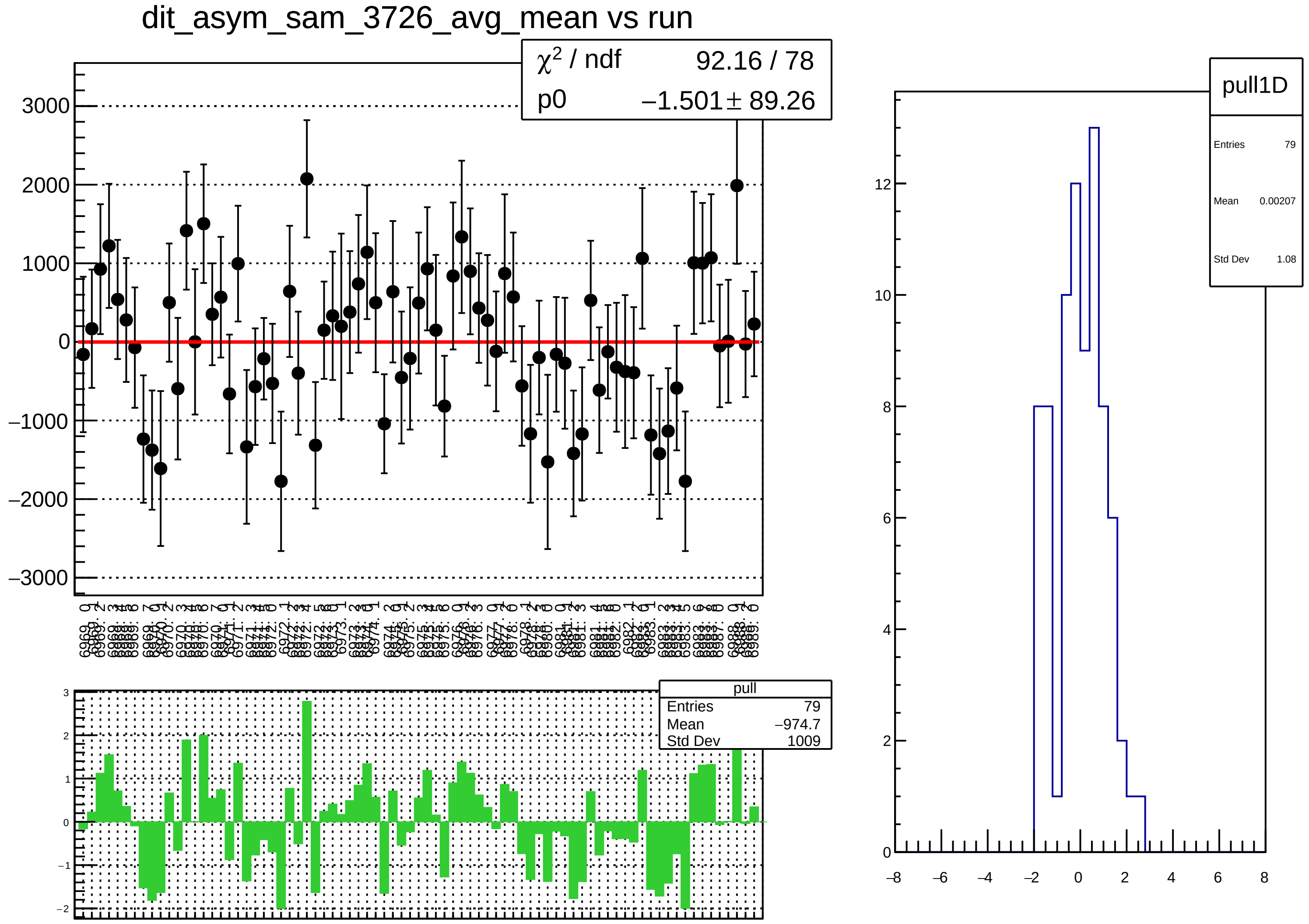


asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 4482 / 78
p0 329 ± 0.2638
380
360
340
320
300

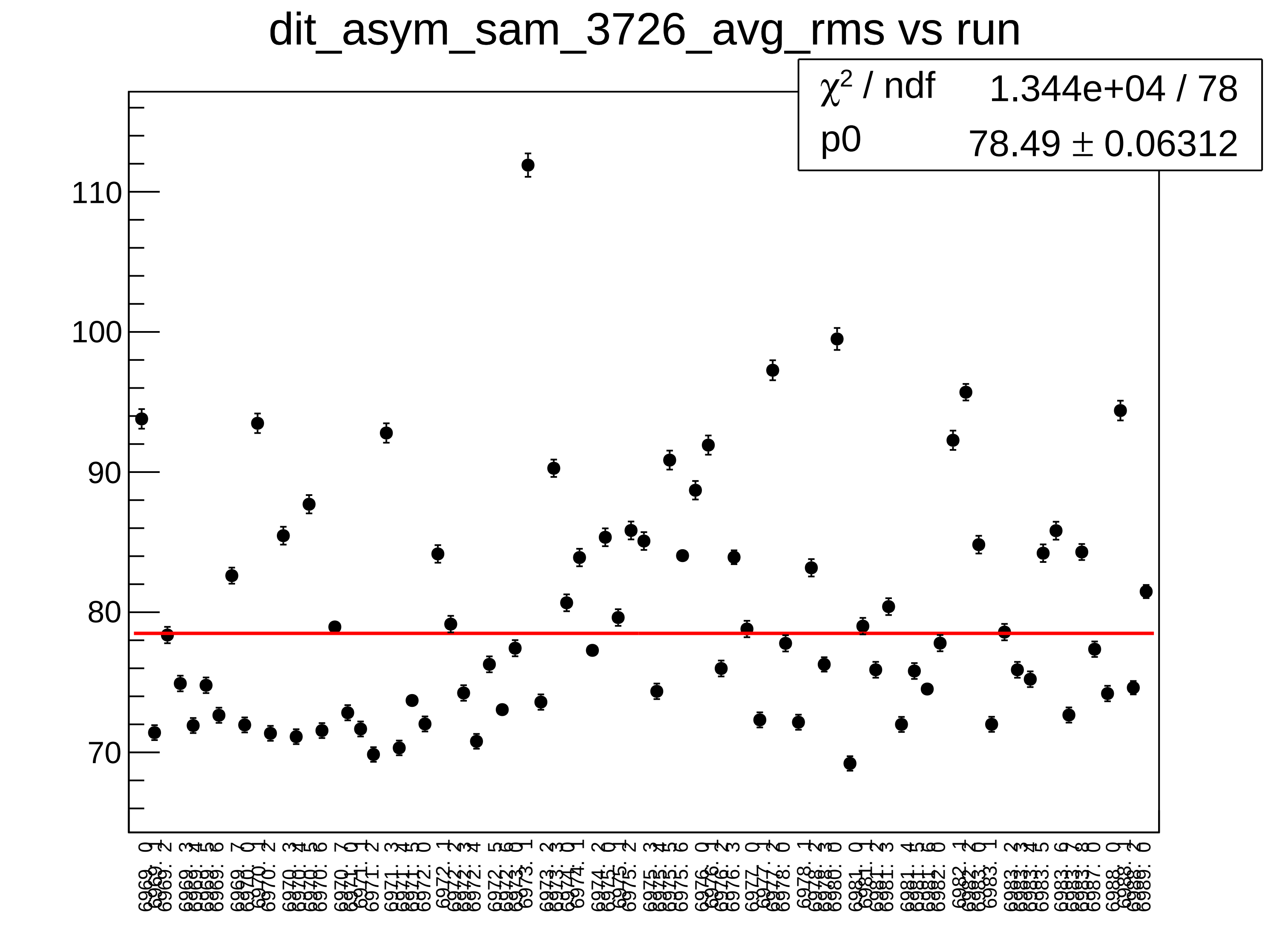

asym_sam_1526_avg_mean vs run
χ^2 / ndf 65.63 / 78
p0 −86.97 ± 385.5
pull
Entries 79
Mean −659.2
Std Dev 703.7
pull1D
Entries 79
Mean −0.008097
Std Dev 0.9114



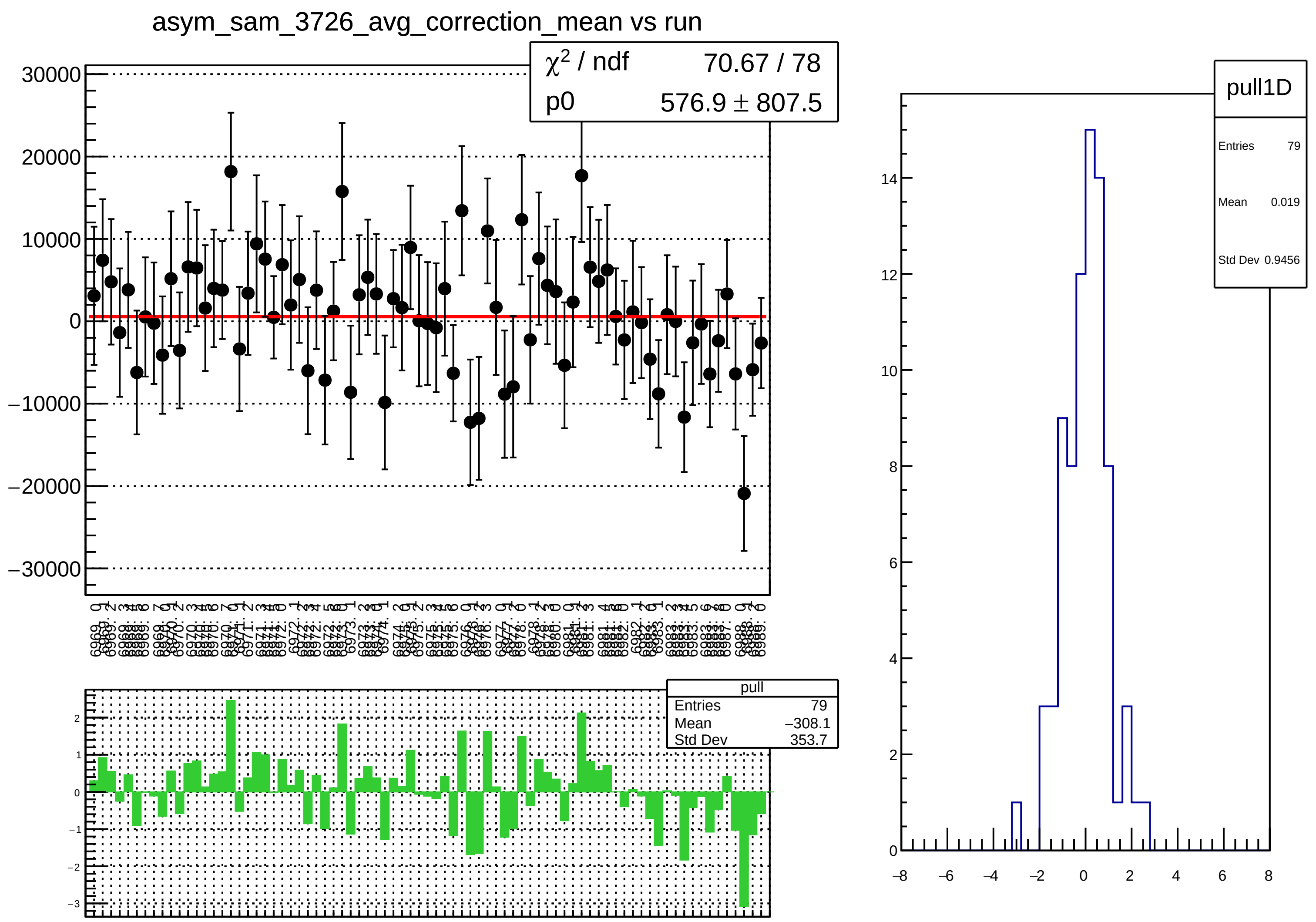
asym_sam_1526_avg_rms vs run
χ^2 / ndf 8411 / 78
p0 339.6 ± 0.2726
420
400
380
360
340
320
300



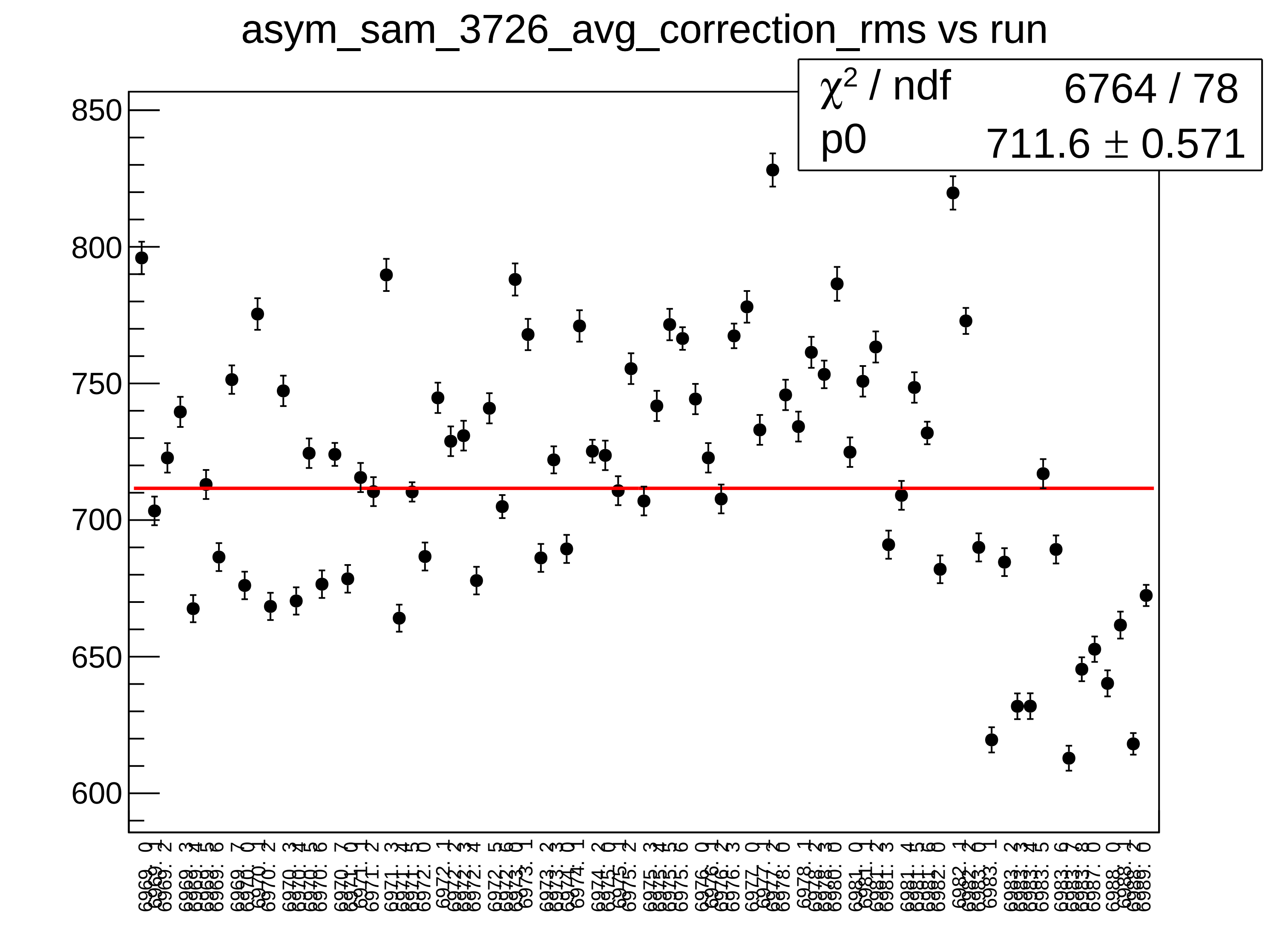
dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 92.16 / 78
p0 −1.501 ± 89.26
pull
Entries 79
Mean −974.7
Std Dev 1009
pull1D
Entries 79
Mean 0.00207
Std Dev 1.08



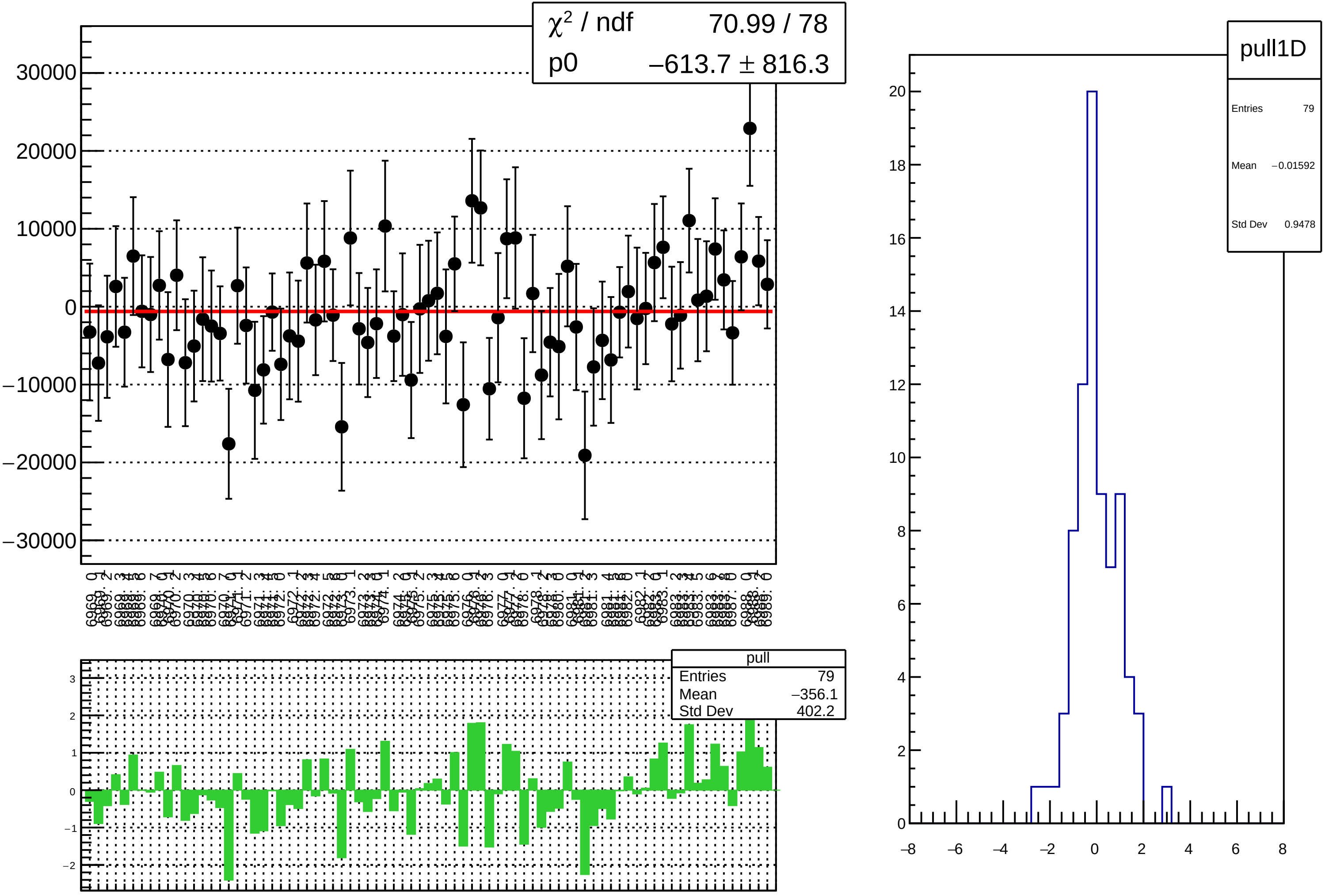
dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.344e+04 / 78
p0 78.49 ± 0.06312
110
100
90
80
70

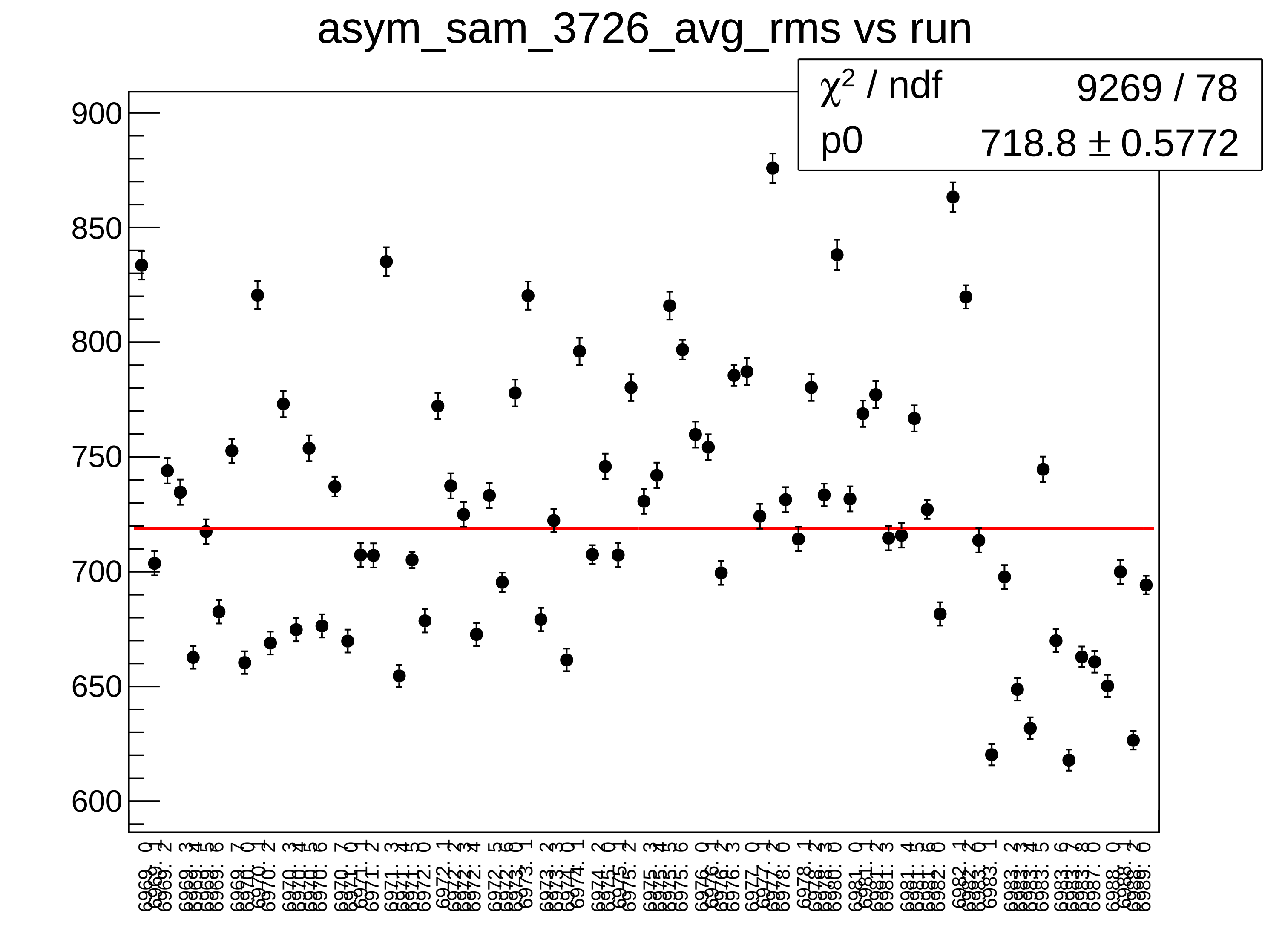


asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 70.67 / 78
p0 576.9 ± 807.5
pull
Entries 79
Mean −308.1
Std Dev 353.7
pull1D
Entries 79
Mean 0.019
Std Dev 0.9456

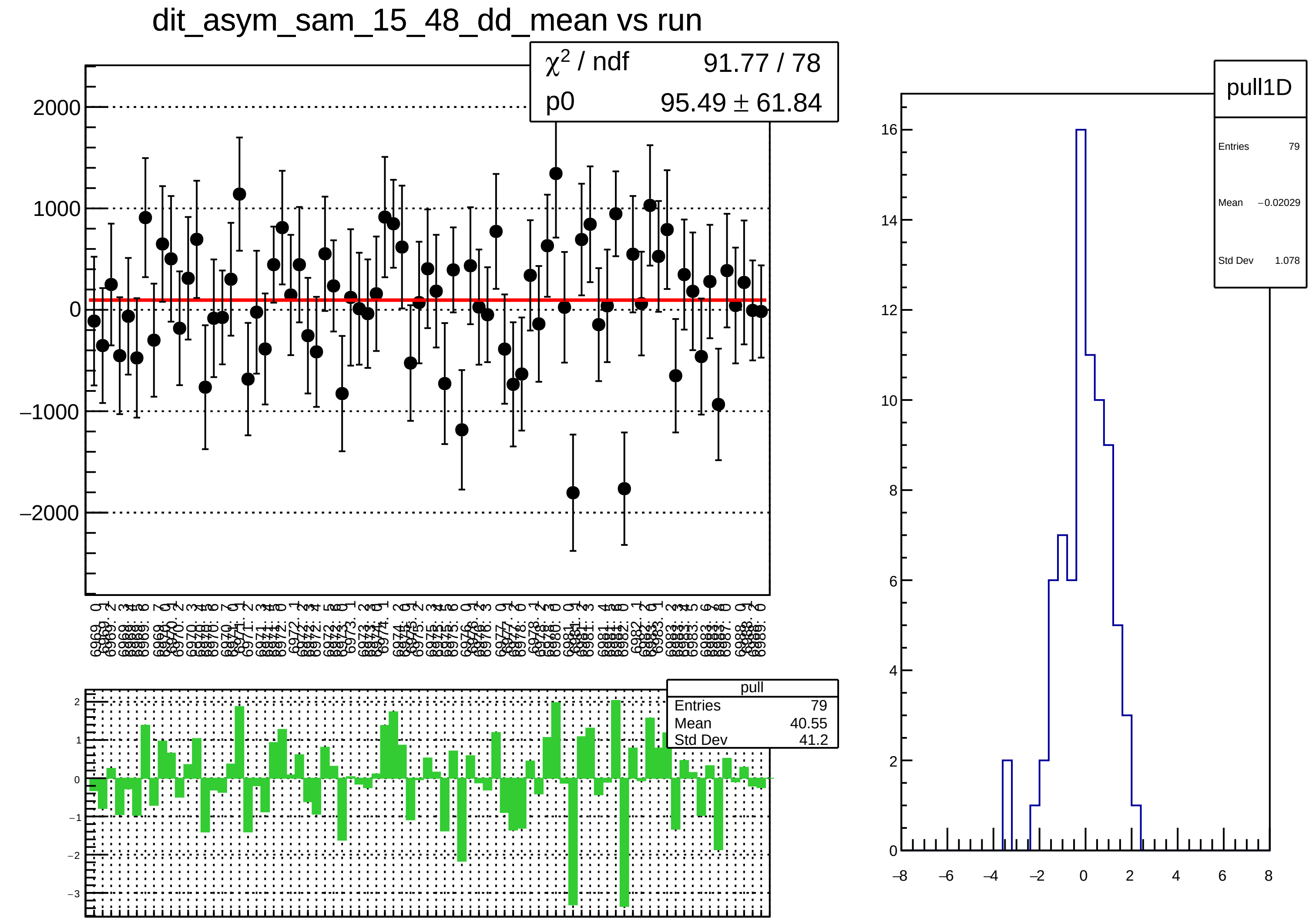

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 6764 / 78
p0 711.6 ± 0.571
850
800
750
700
650
600

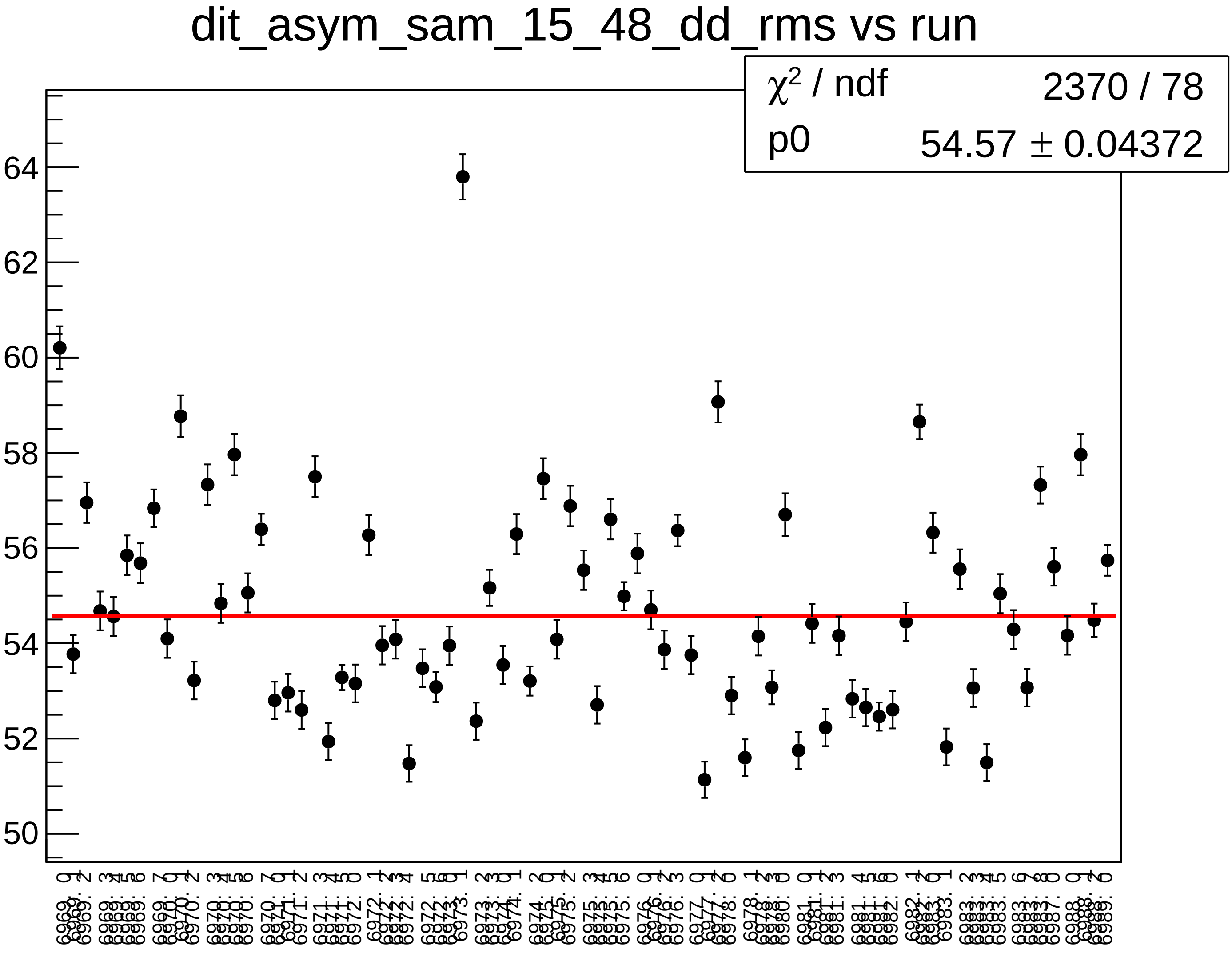
asym_sam_3726_avg_mean vs run



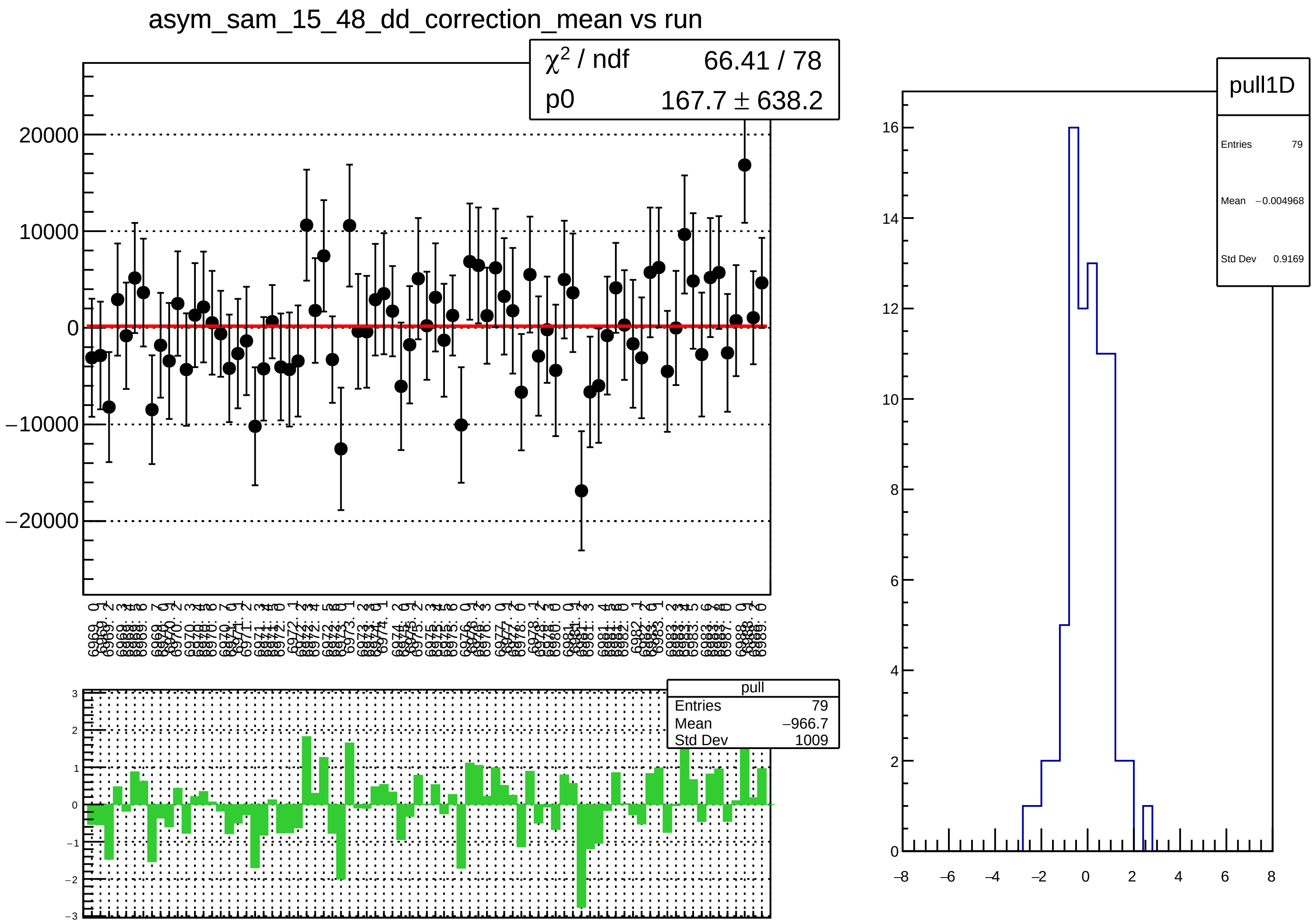


asym_sam_3726_avg_rms vs run
χ^2 / ndf 9269 / 78
p0 718.8 ± 0.5772
900
850
800
750
700
650
600

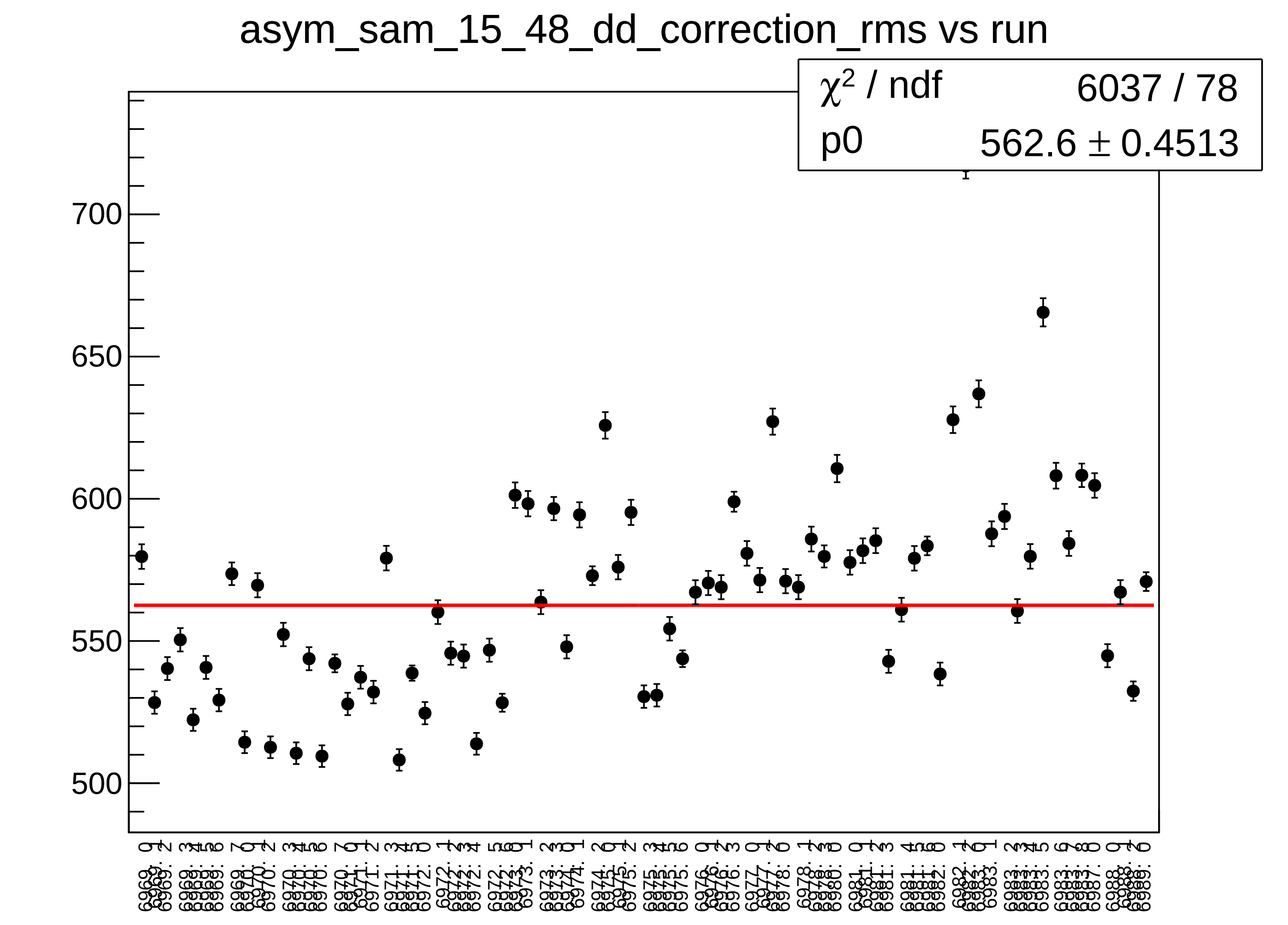

dit_asym_sam_15_48_dd_mean vs run
χ2 / ndf 91.77 / 78
p0 95.49 ± 61.84
pull
Entries 79
Mean 40.55
Std Dev 41.2
pull1D
Entries 79
Mean −0.02029
Std Dev 1.078

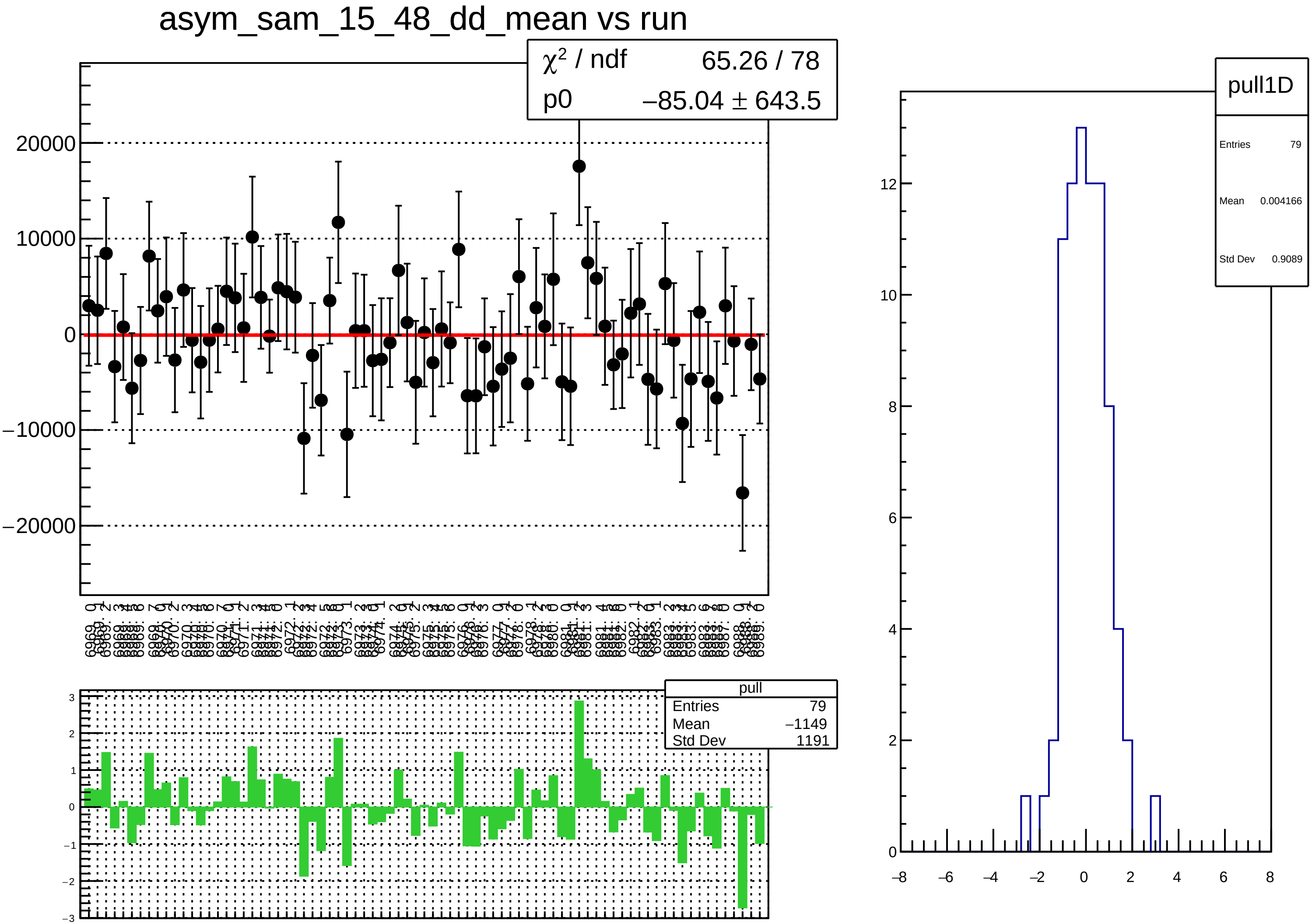


dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2370 / 78
p0 54.57 ± 0.04372
64
62
60
58
56
54
52
50

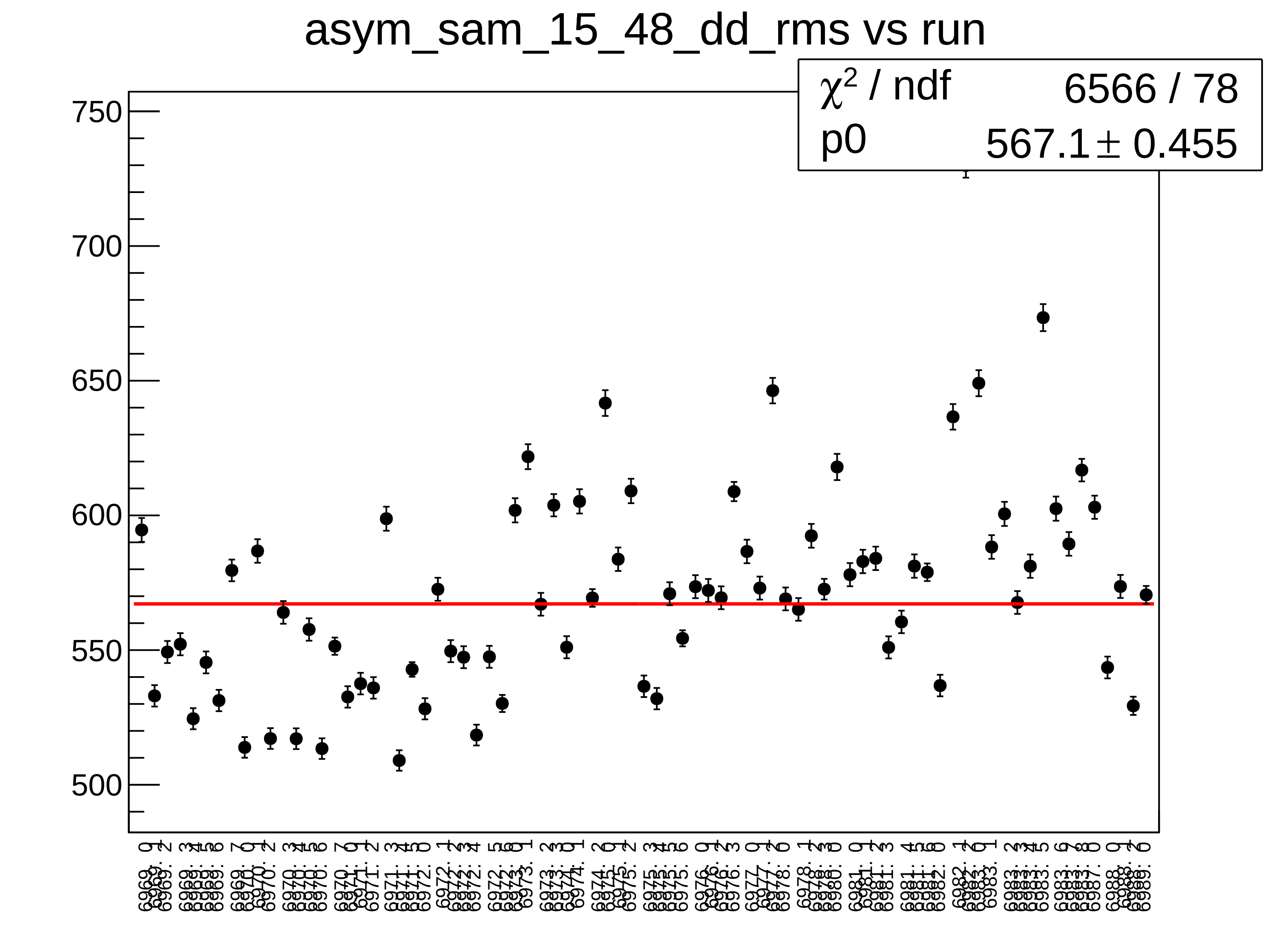


asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 66.41 / 78
p0 167.7 ± 638.2
20000
10000
0
−10000
−20000
pull
Entries 79
Mean −966.7
Std Dev 1009
3
2
1
0
−1
−2
−3
pull1D
Entries 79
Mean −0.004968
Std Dev 0.9169
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

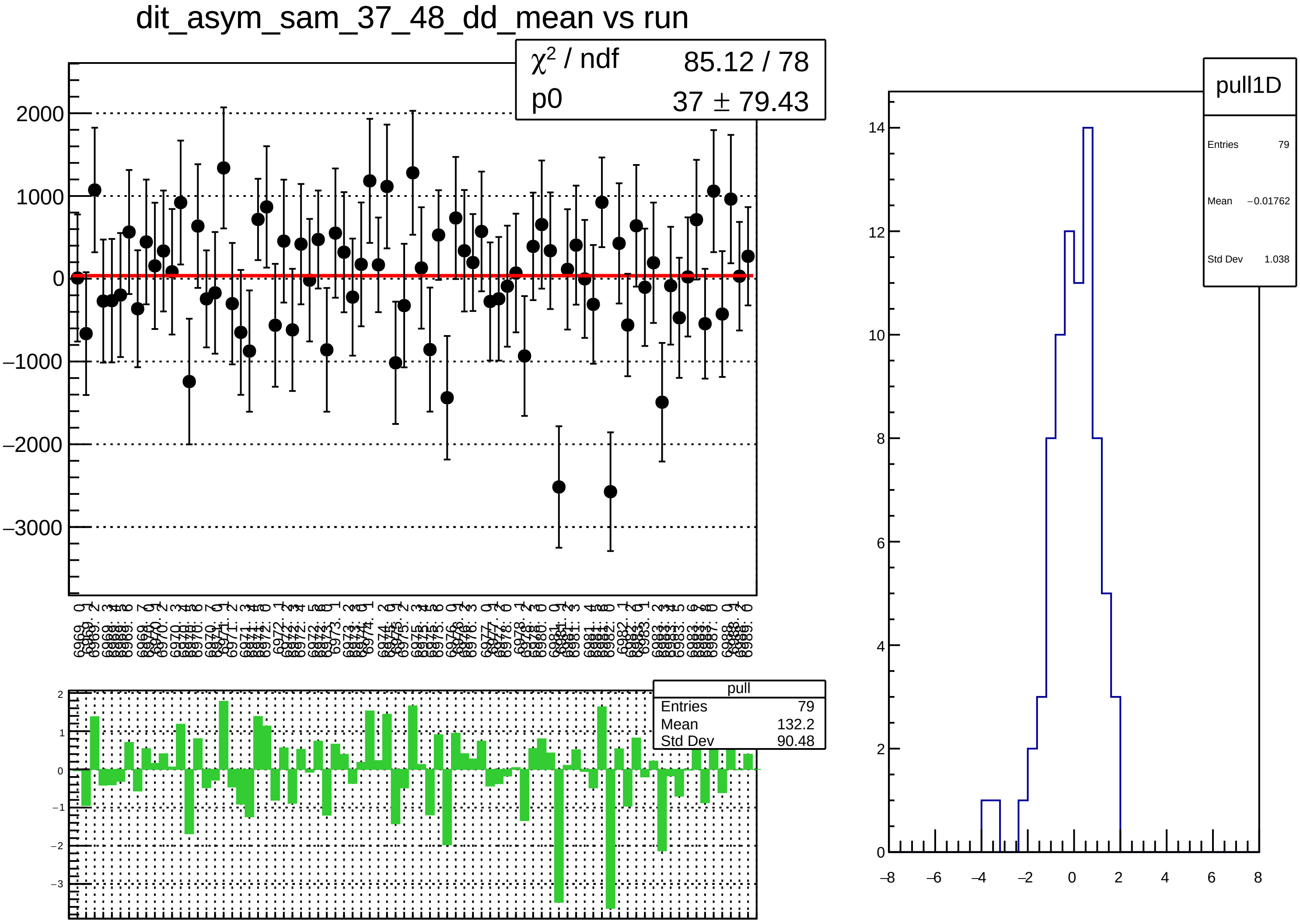

asym_sam_15_48_dd_correction_rms vs run
χ2 / ndf 6037 / 78
p0 562.6 ± 0.4513
700
650
600
550
500



asym_sam_15_48_dd_mean vs run
χ^2 / ndf 65.26 / 78
p0 −85.04 ± 643.5
pull
Entries 79
Mean −1149
Std Dev 1191
pull1D
Entries 79
Mean 0.004166
Std Dev 0.9089

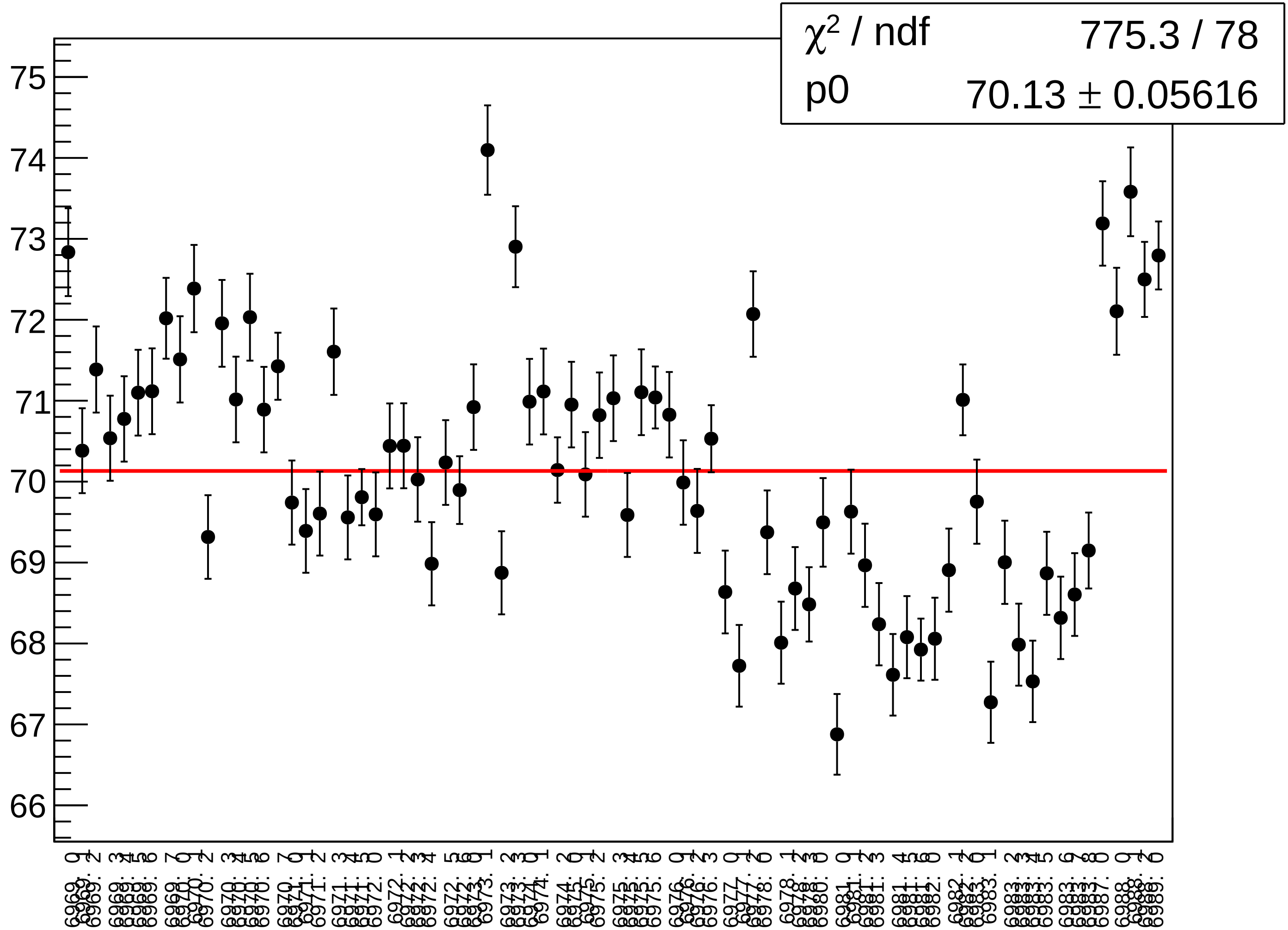


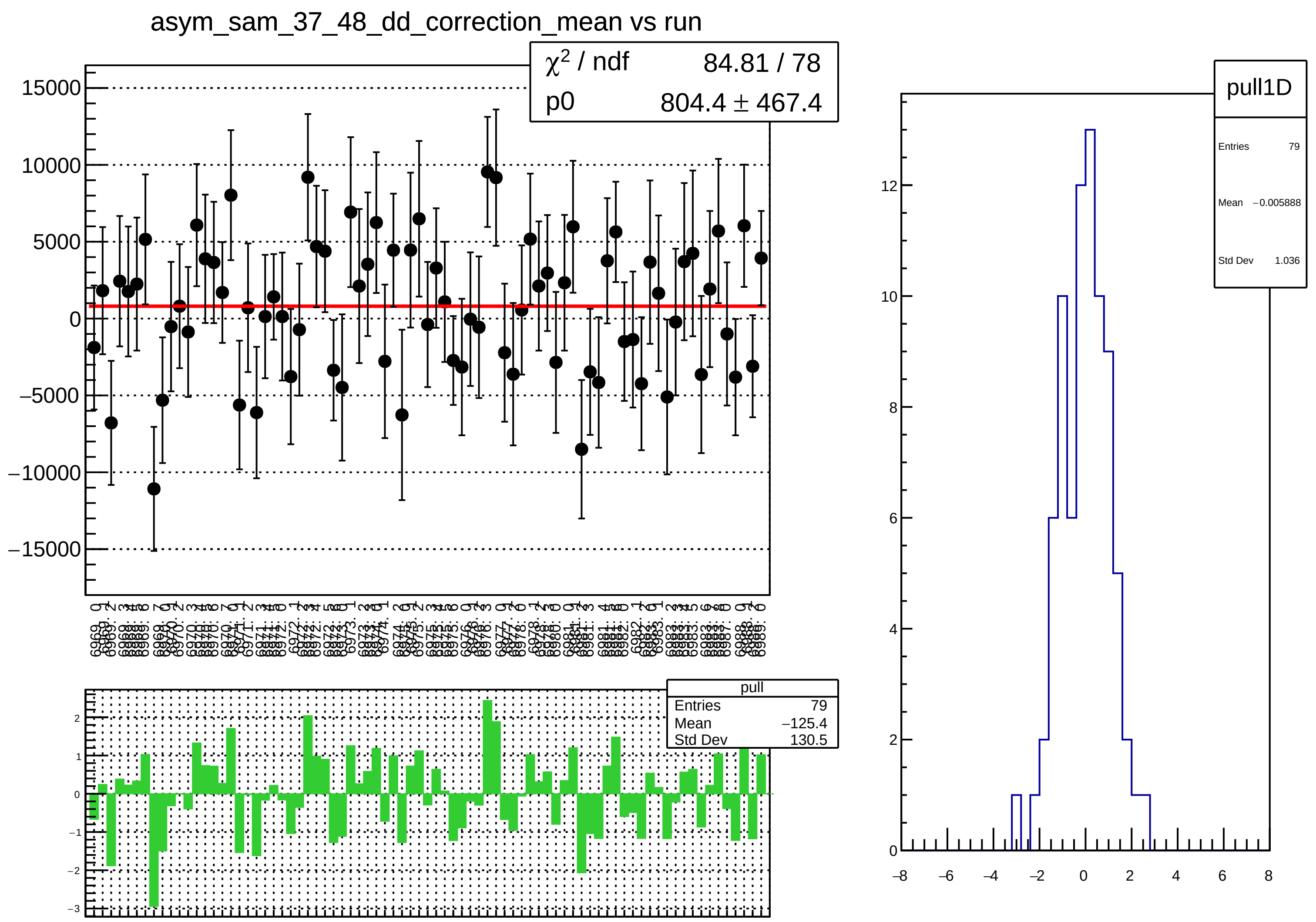
asym_sam_15_48_dd_rms vs run
χ2 / ndf 6566 / 78
p0 567.1 ± 0.455
750
700
650
600
550
500



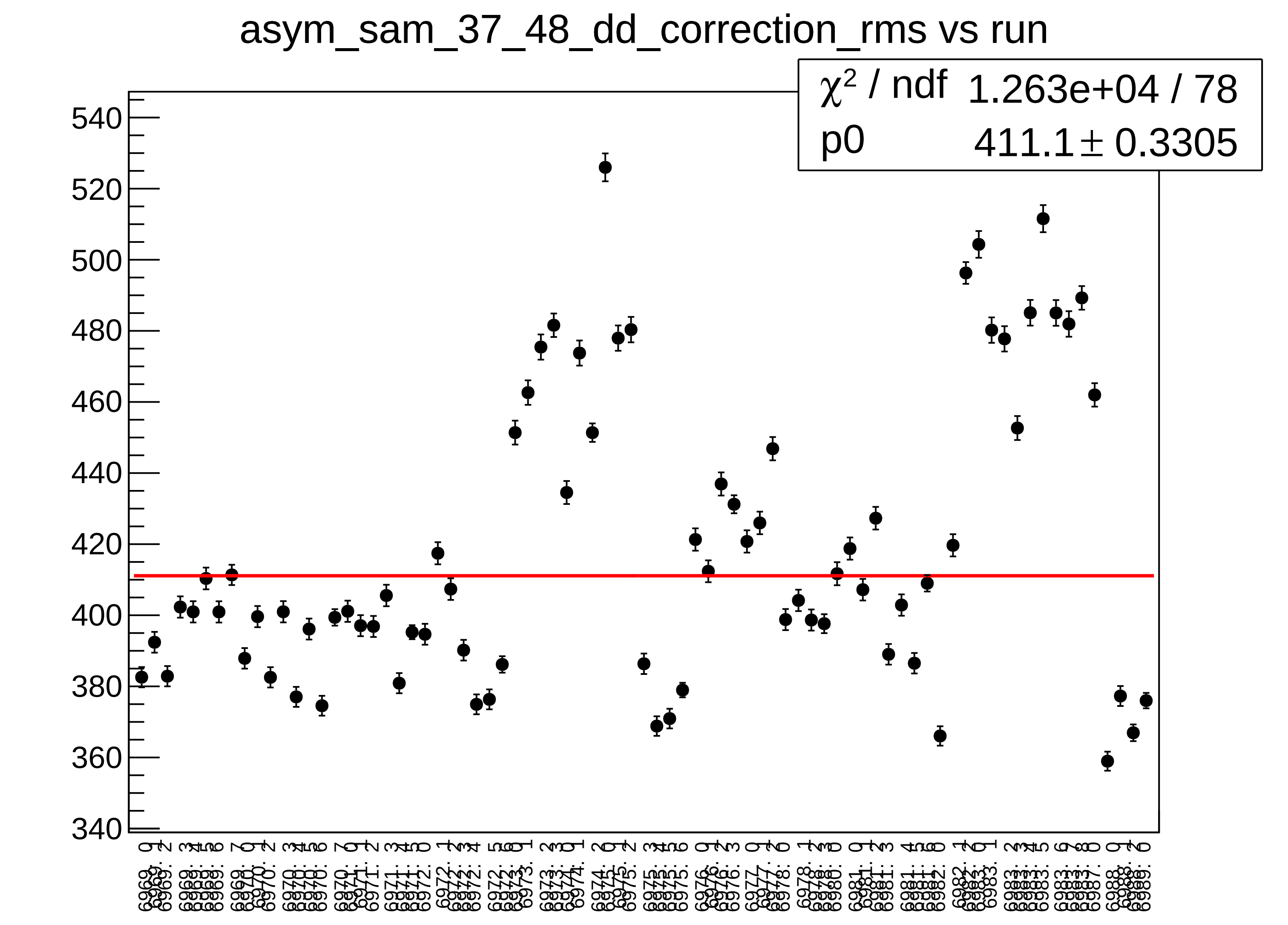
dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 85.12 / 78
p0 37 ± 79.43
pull
Entries 79
Mean 132.2
Std Dev 90.48
pull1D
Entries 79
Mean −0.01762
Std Dev 1.038

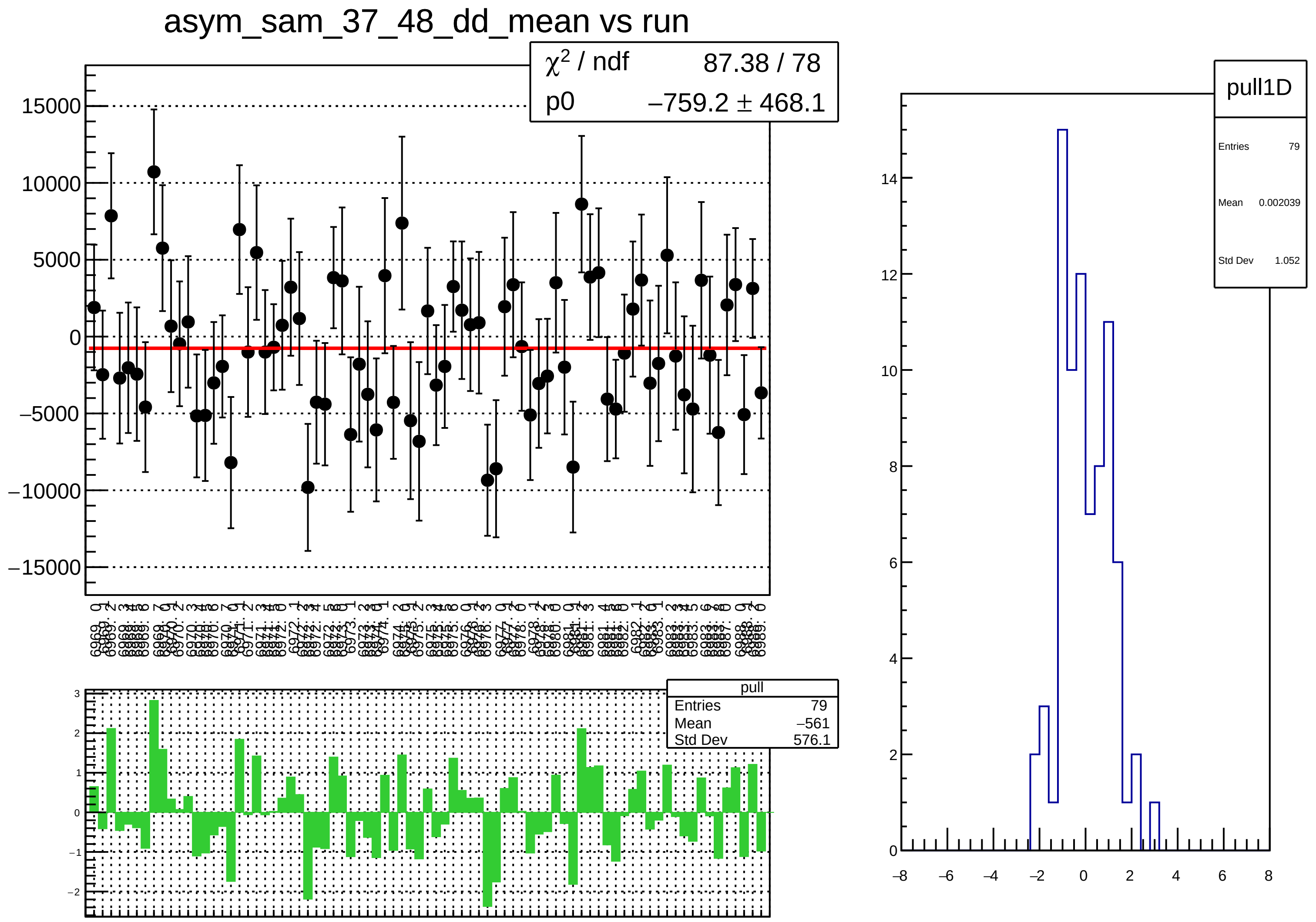
dit_asym_sam_37_48_dd_rms vs run



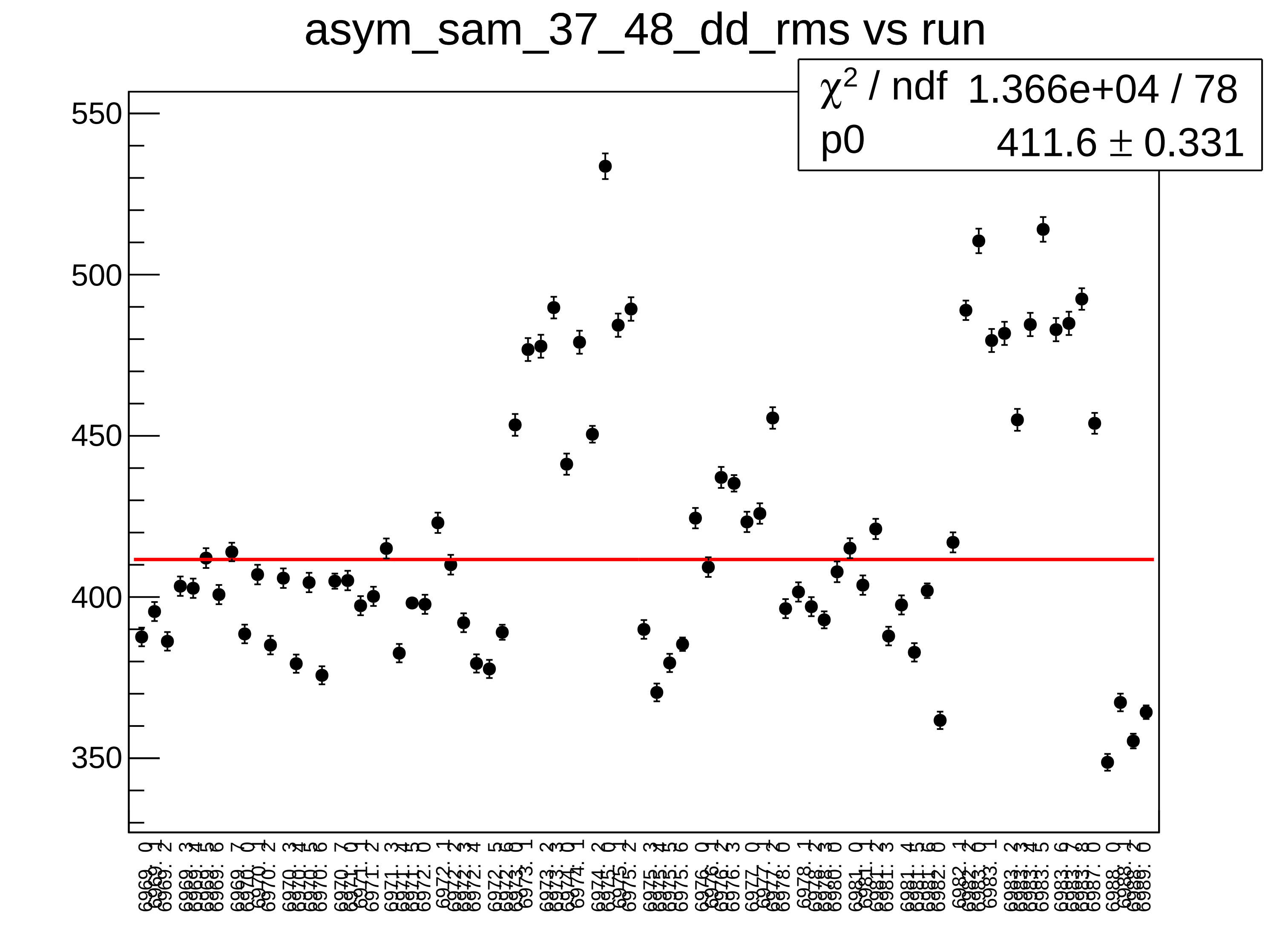


asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 84.81 / 78
p0 804.4 ± 467.4
pull
Entries 79
Mean −125.4
Std Dev 130.5
pull1D
Entries 79
Mean −0.005888
Std Dev 1.036

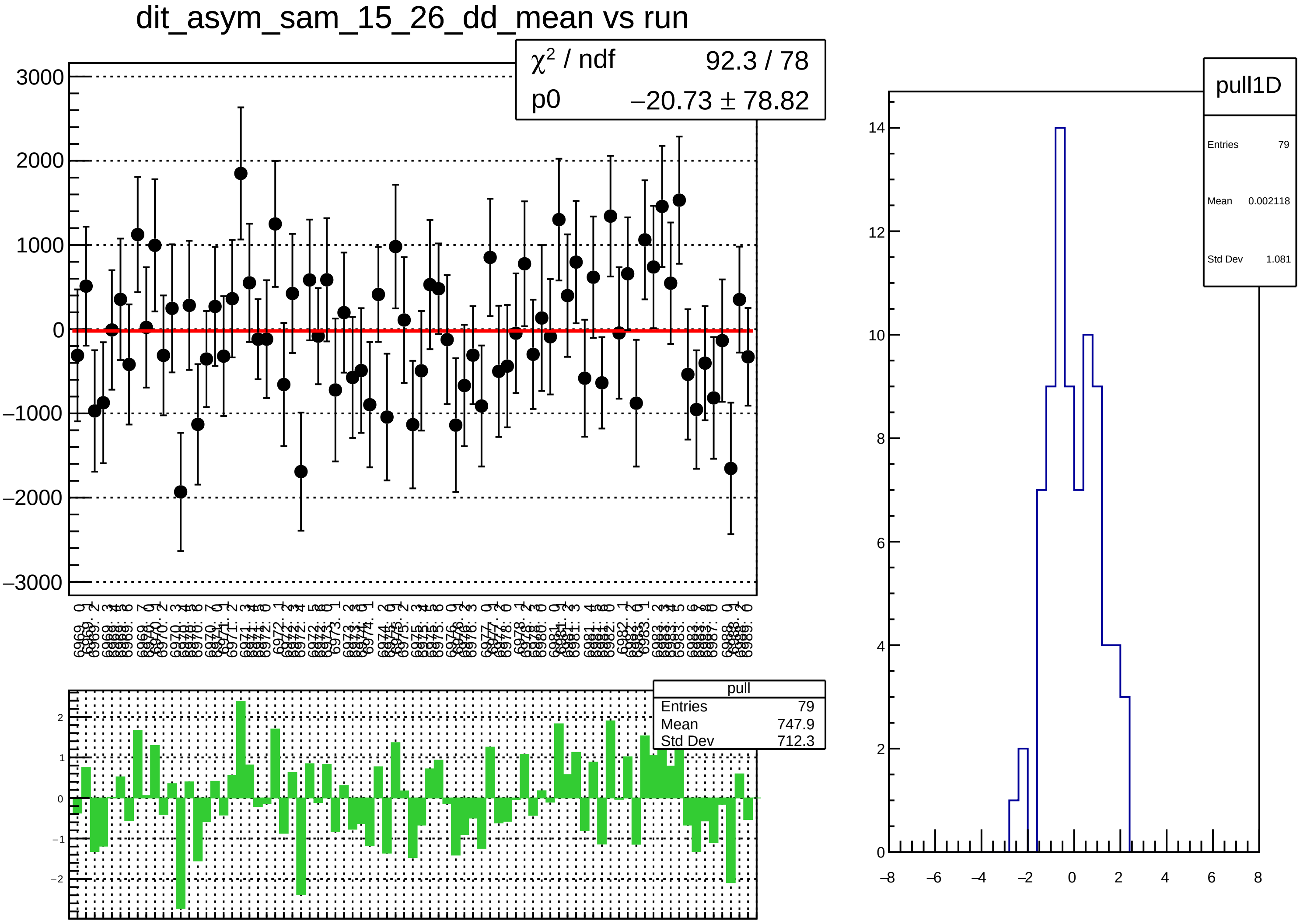

asym_sam_37_48_dd_correction_rms vs run
χ2 / ndf 1.263e+04 / 78
p0 411.1 ± 0.3305
540
520
500
480
460
440
420
400
380
360
340



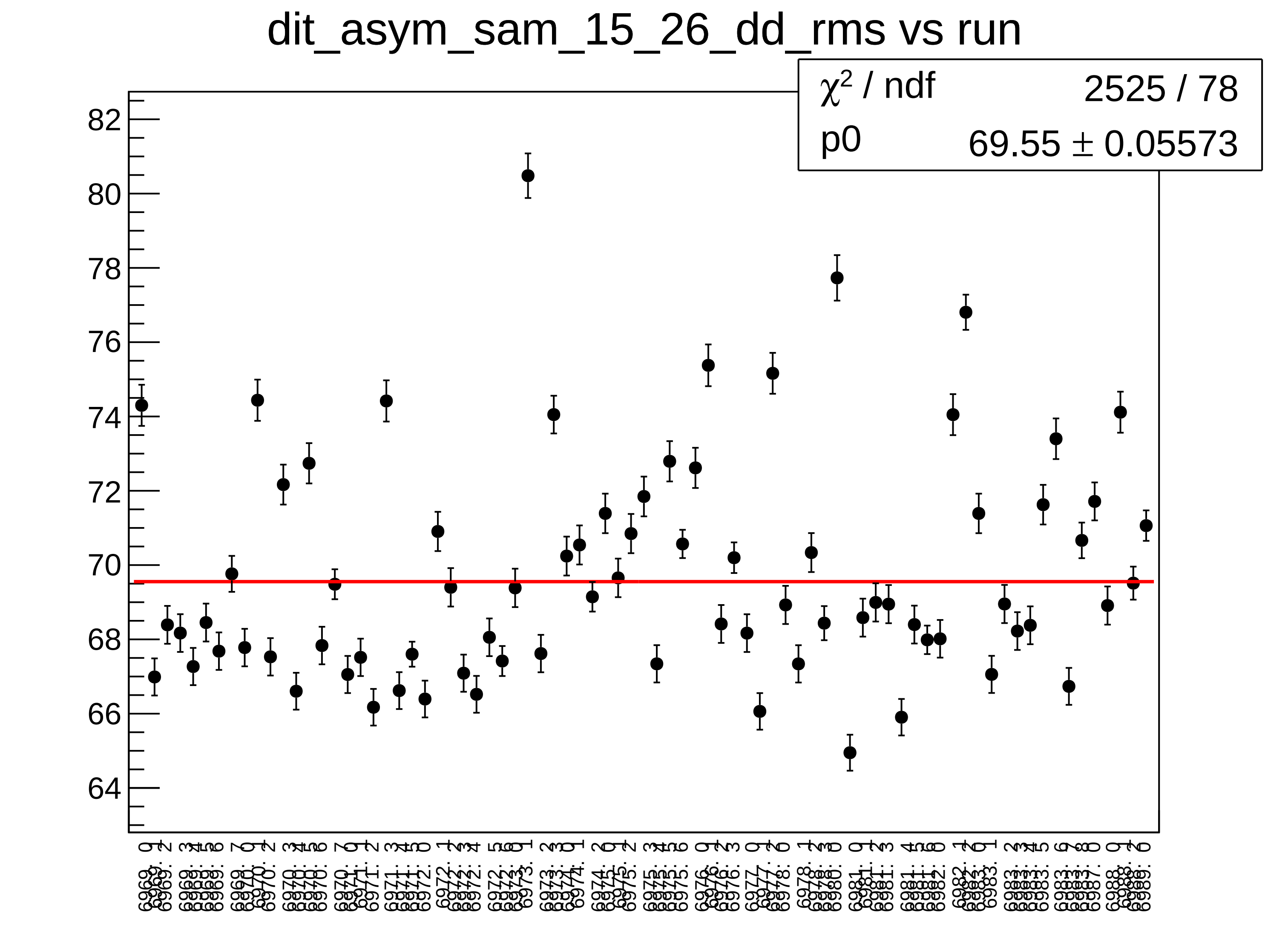
asym_sam_37_48_dd_mean vs run
χ2 / ndf 87.38 / 78
p0 −759.2 ± 468.1
pull
Entries 79
Mean −561
Std Dev 576.1
pull1D
Entries 79
Mean 0.002039
Std Dev 1.052

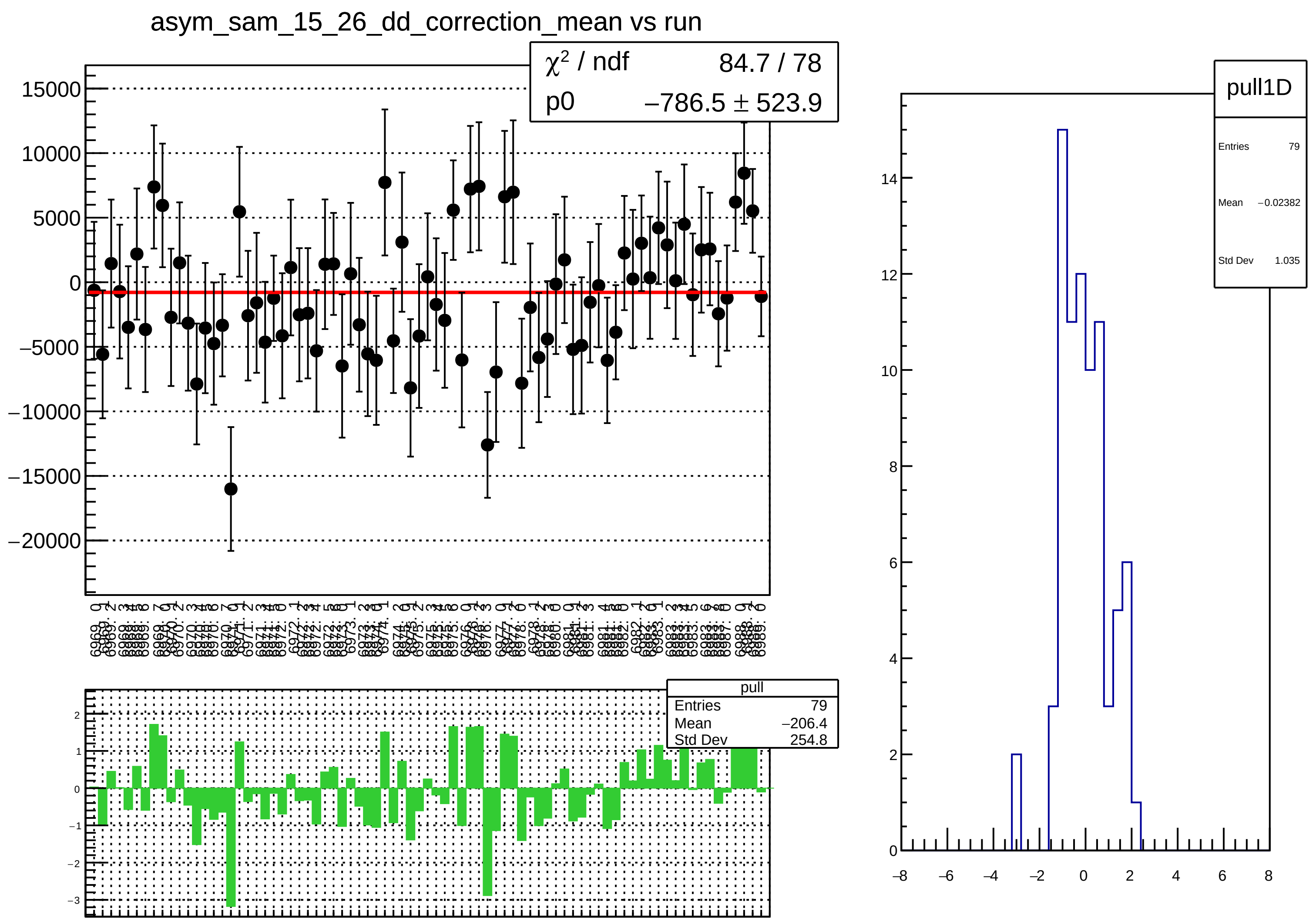


asym_sam_37_48_dd_rms vs run
χ^2 / ndf 1.366e+04 / 78
p0 411.6 ± 0.331
550
500
450
400
350

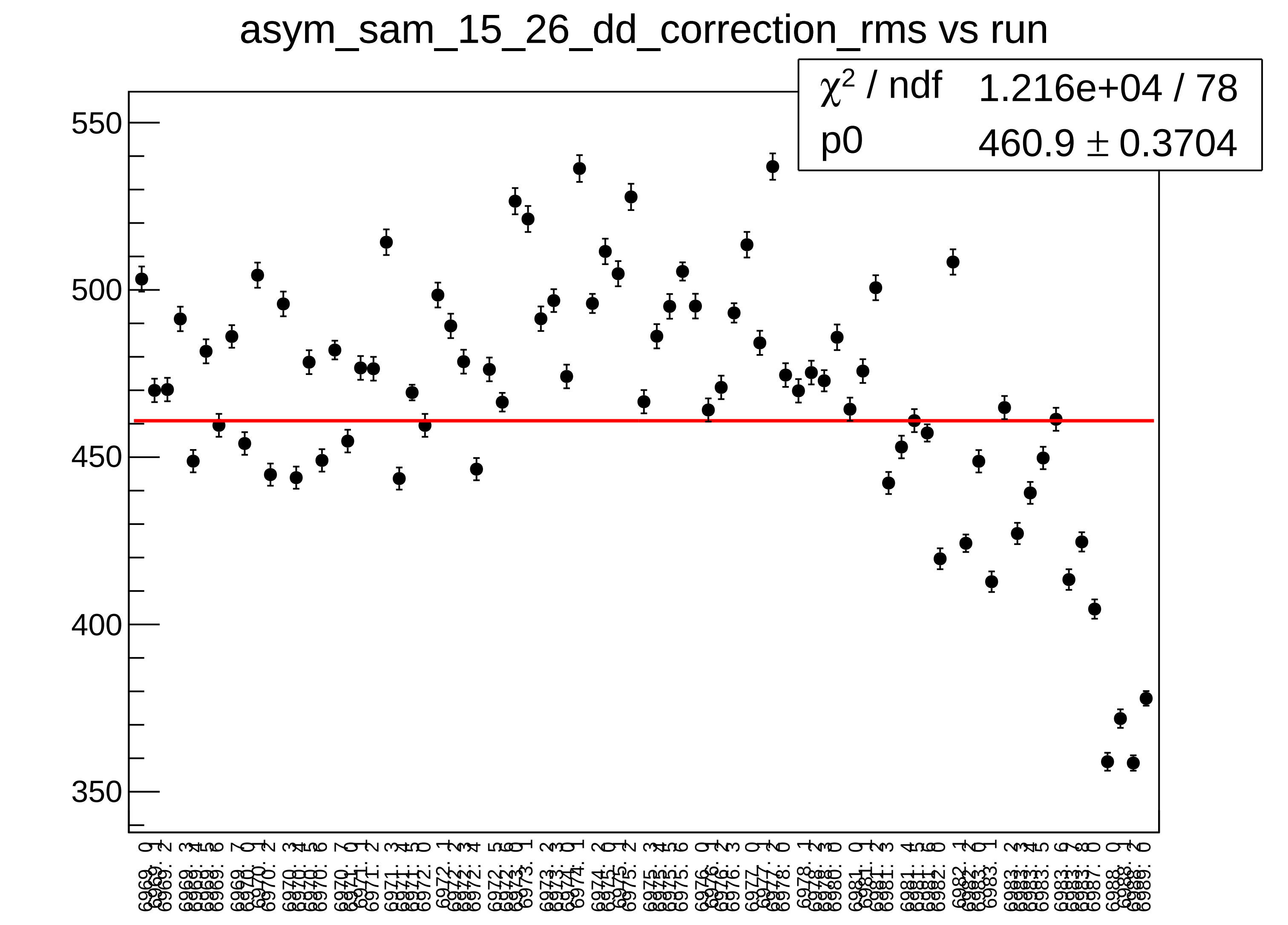


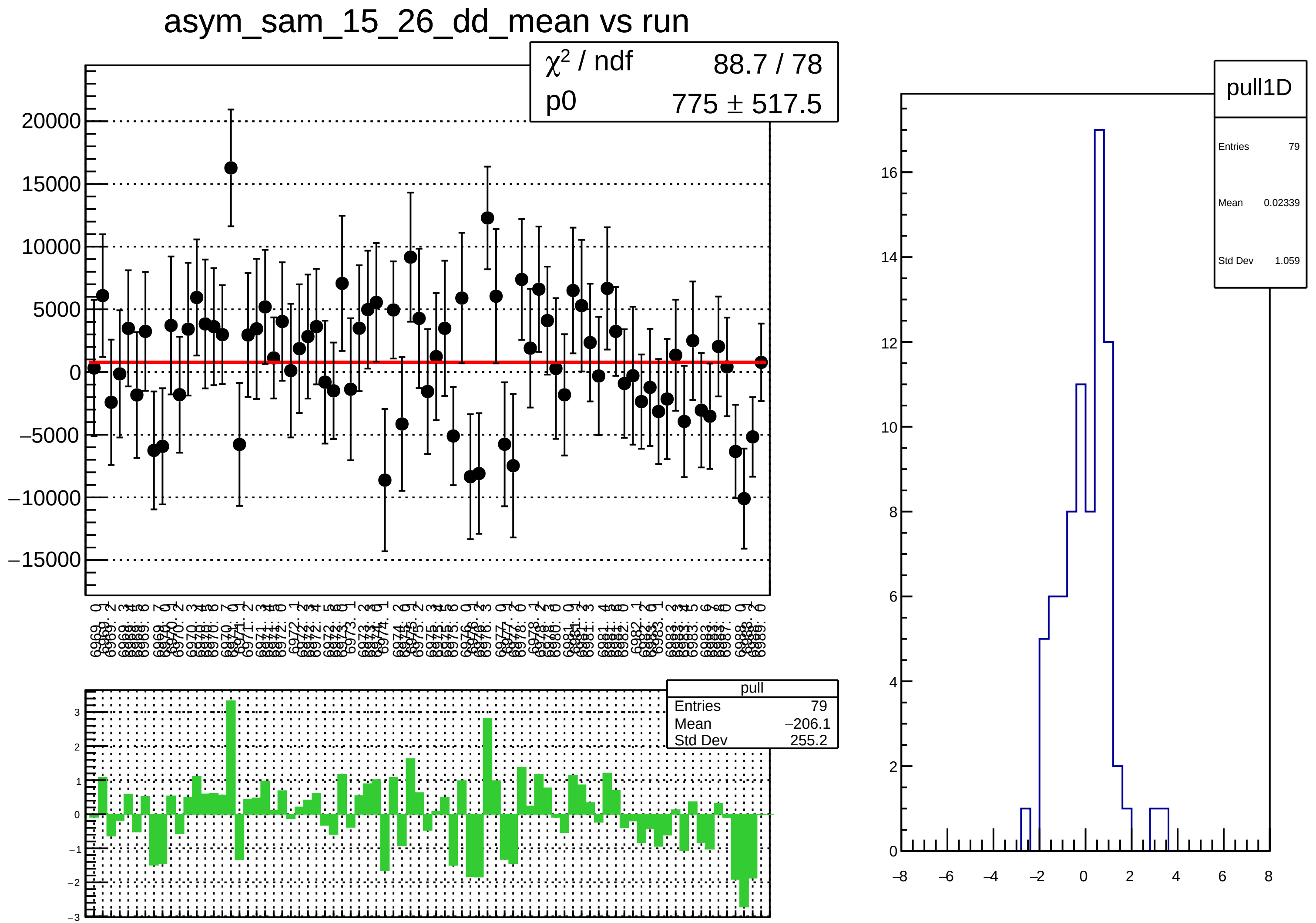
dit_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 92.3 / 78
p0 −20.73 ± 78.82
pull
Entries 79
Mean 747.9
Std Dev 712.3
pull1D
Entries 79
Mean 0.002118
Std Dev 1.081

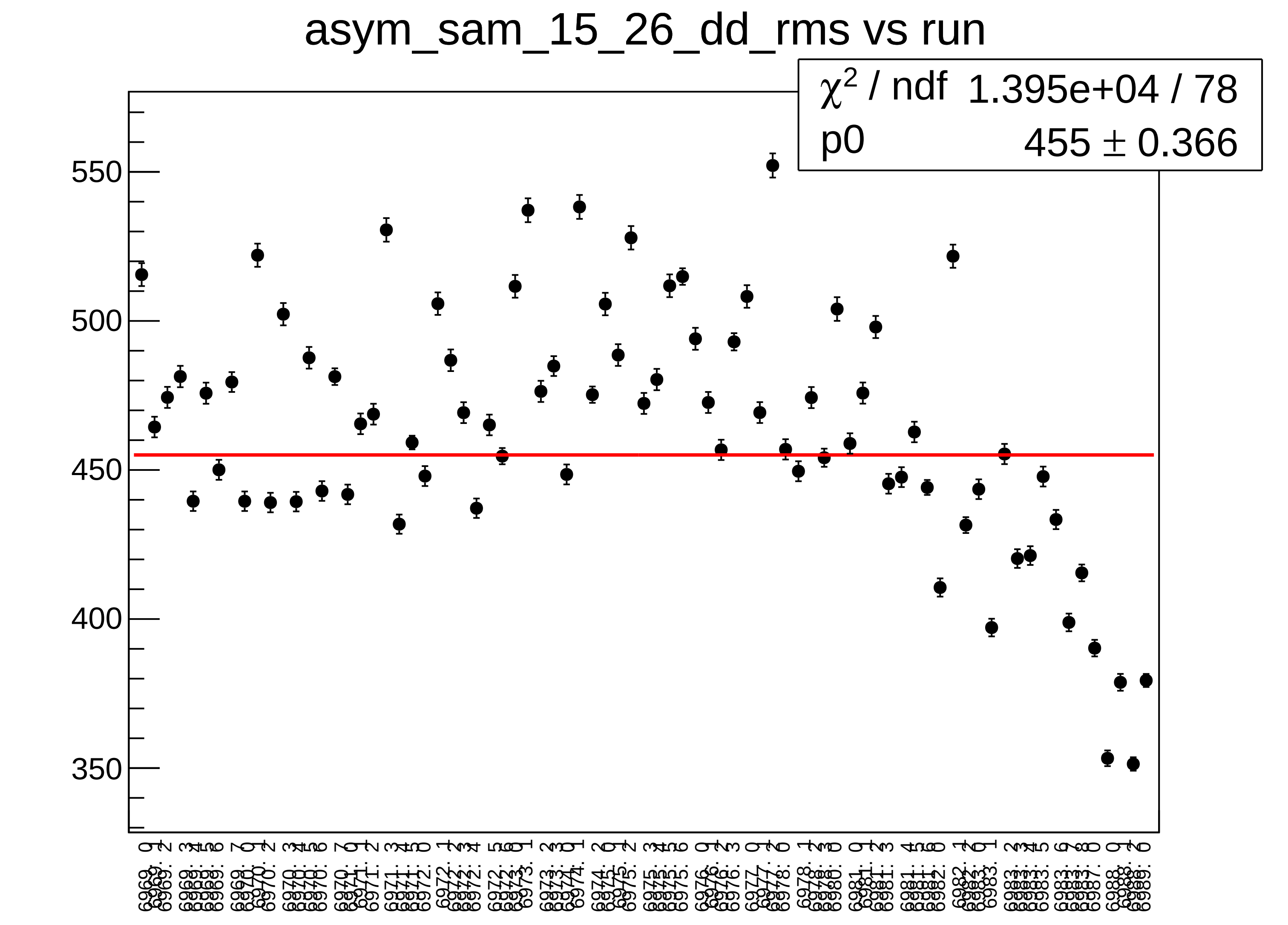

dit_asym_sam_15_26_dd_rms vs run
χ2 / ndf 2525 / 78
p0 69.55 ± 0.05573
82
80
78
76
74
72
70
68
66
64

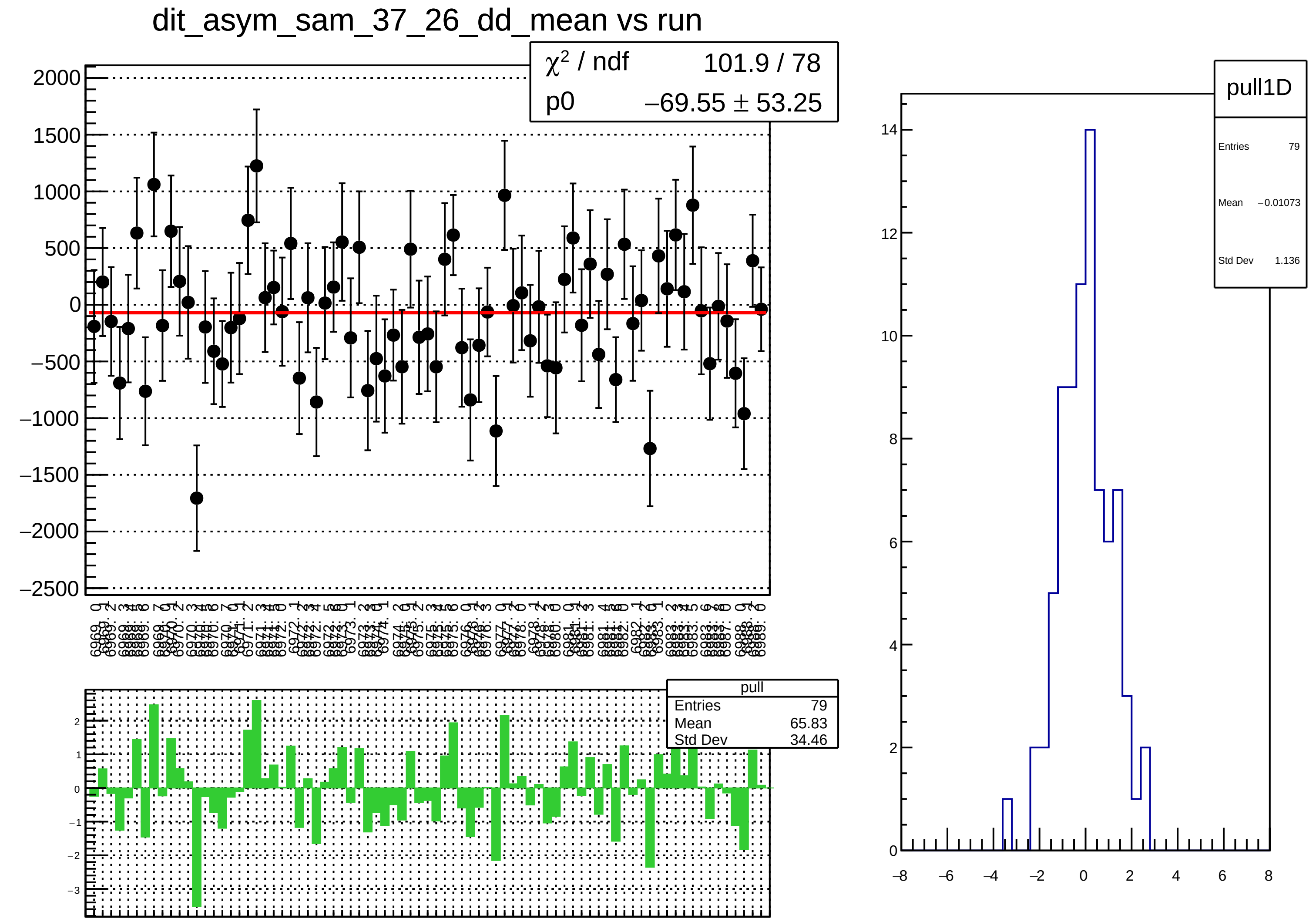


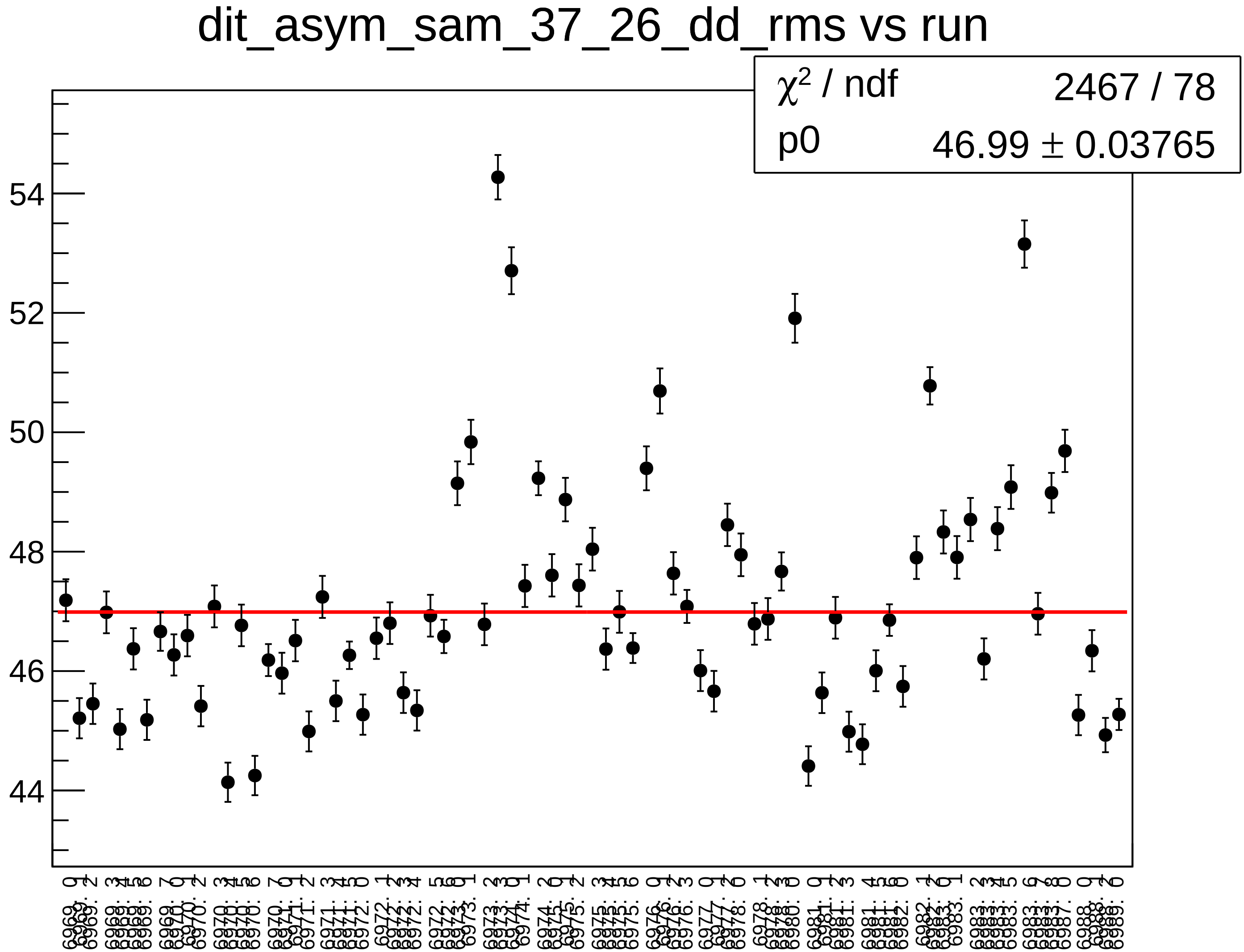
asym_sam_15_26_dd_correction_mean vs run
χ2 / ndf 84.7 / 78
p0 −786.5 ± 523.9
pull
Entries 79
Mean −206.4
Std Dev 254.8
pull1D
Entries 79
Mean −0.02382
Std Dev 1.035

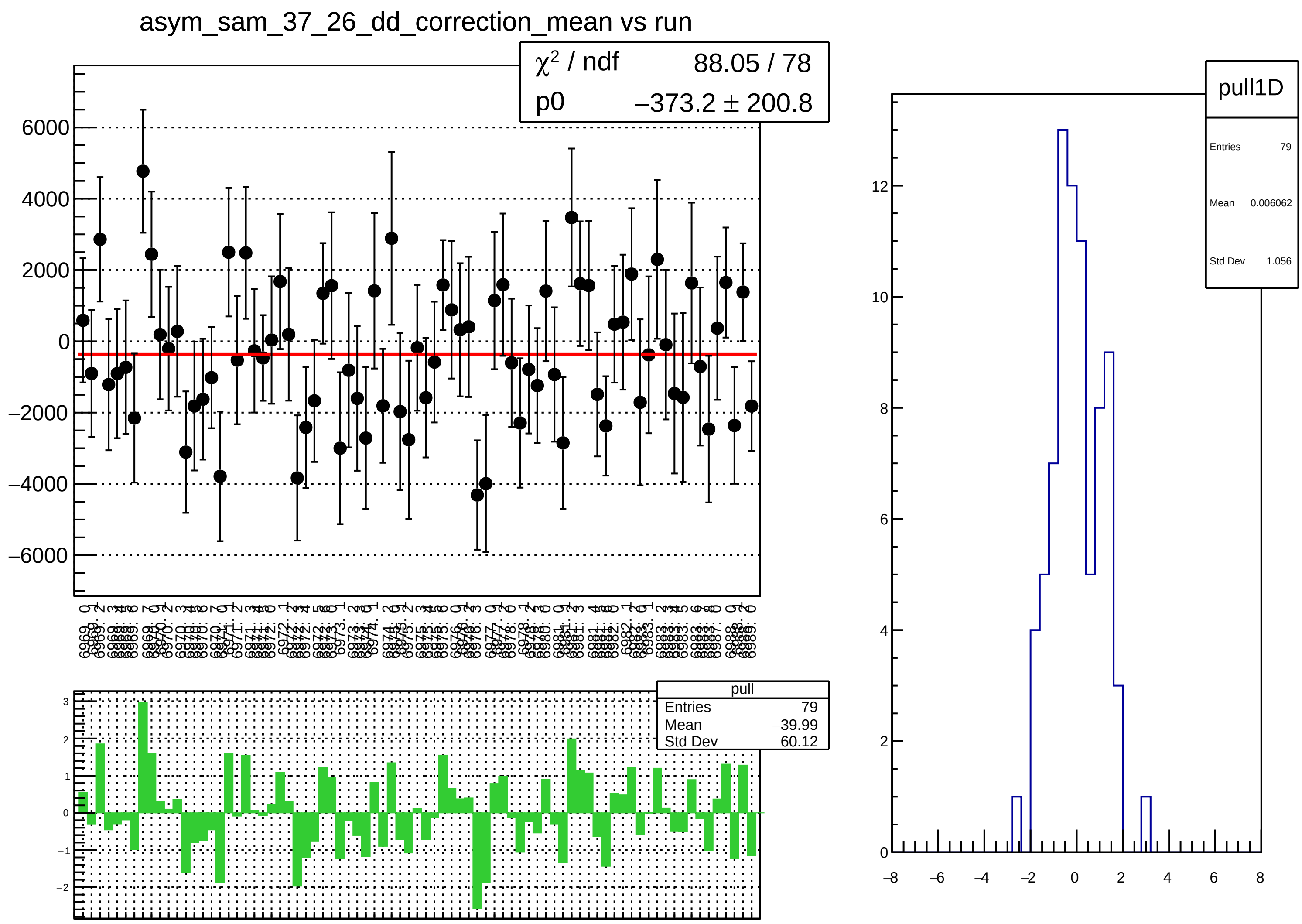

asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 1.216e+04 / 78
p0 460.9 ± 0.3704
550
500
450
400
350

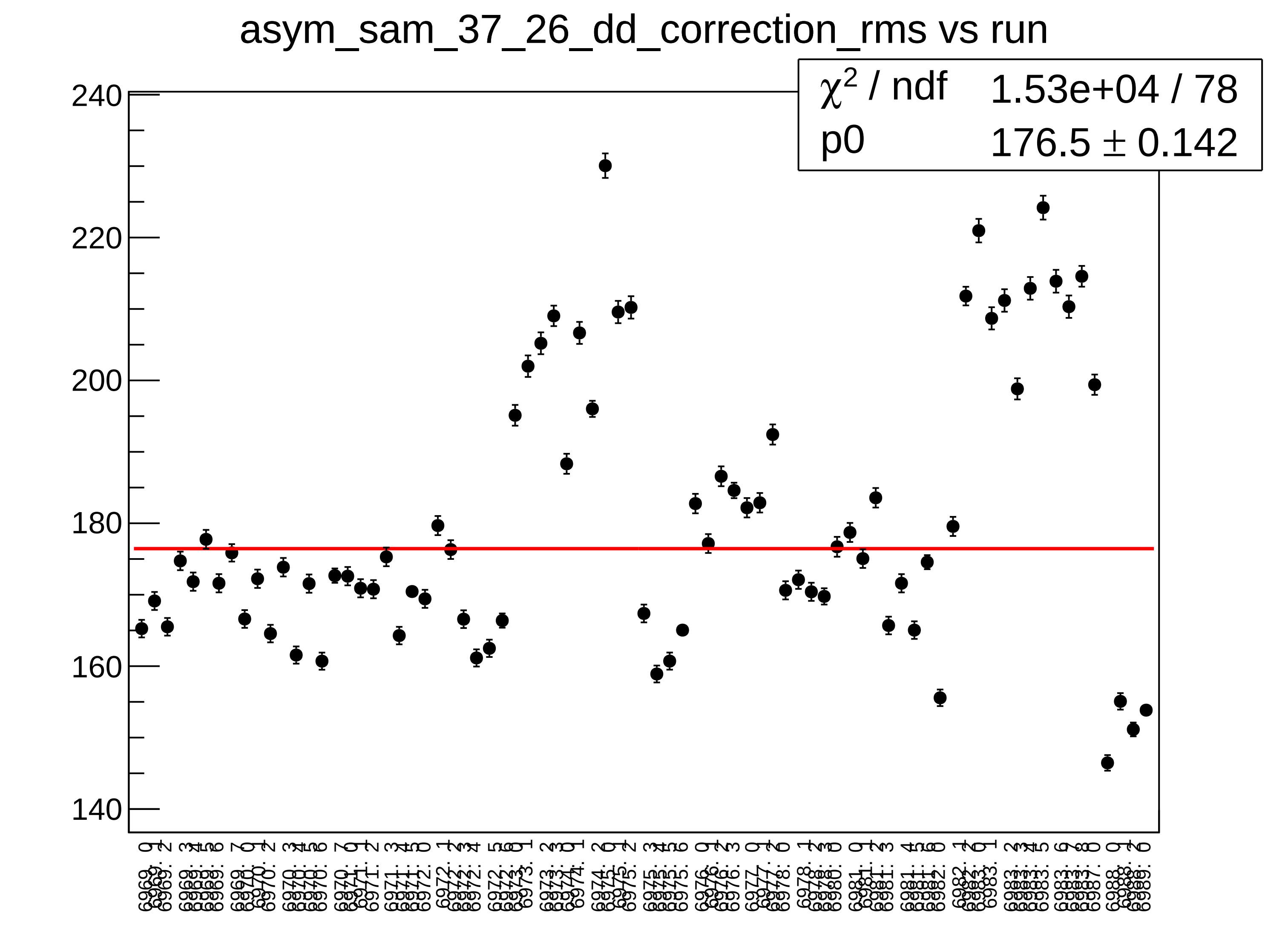

asym_sam_15_26_dd_mean vs run
χ^2 / ndf 88.7 / 78
p0 775 ± 517.5
pull
Entries 79
Mean −206.1
Std Dev 255.2
pull1D
Entries 79
Mean 0.02339
Std Dev 1.059


asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.395e+04 / 78
p0 455 ± 0.366
550
500
450
400
350

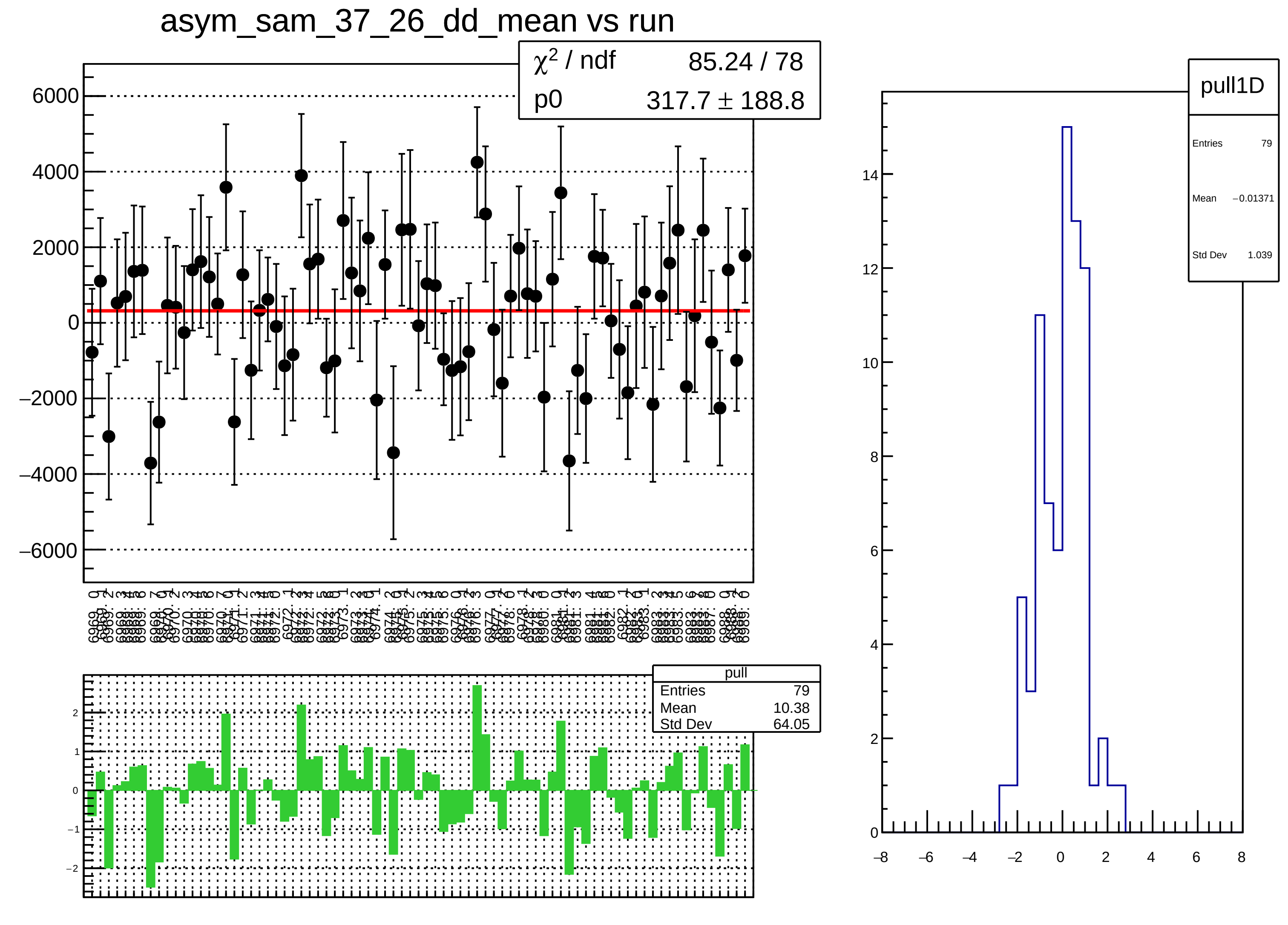

dit_asym_sam_37_26_dd_mean vs run
χ2 / ndf 101.9 / 78
p0 −69.55 ± 53.25
pull
Entries 79
Mean 65.83
Std Dev 34.46
pull1D
Entries 79
Mean −0.01073
Std Dev 1.136


dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2467 / 78
p0 46.99 ± 0.03765
54
52
50
48
46
44

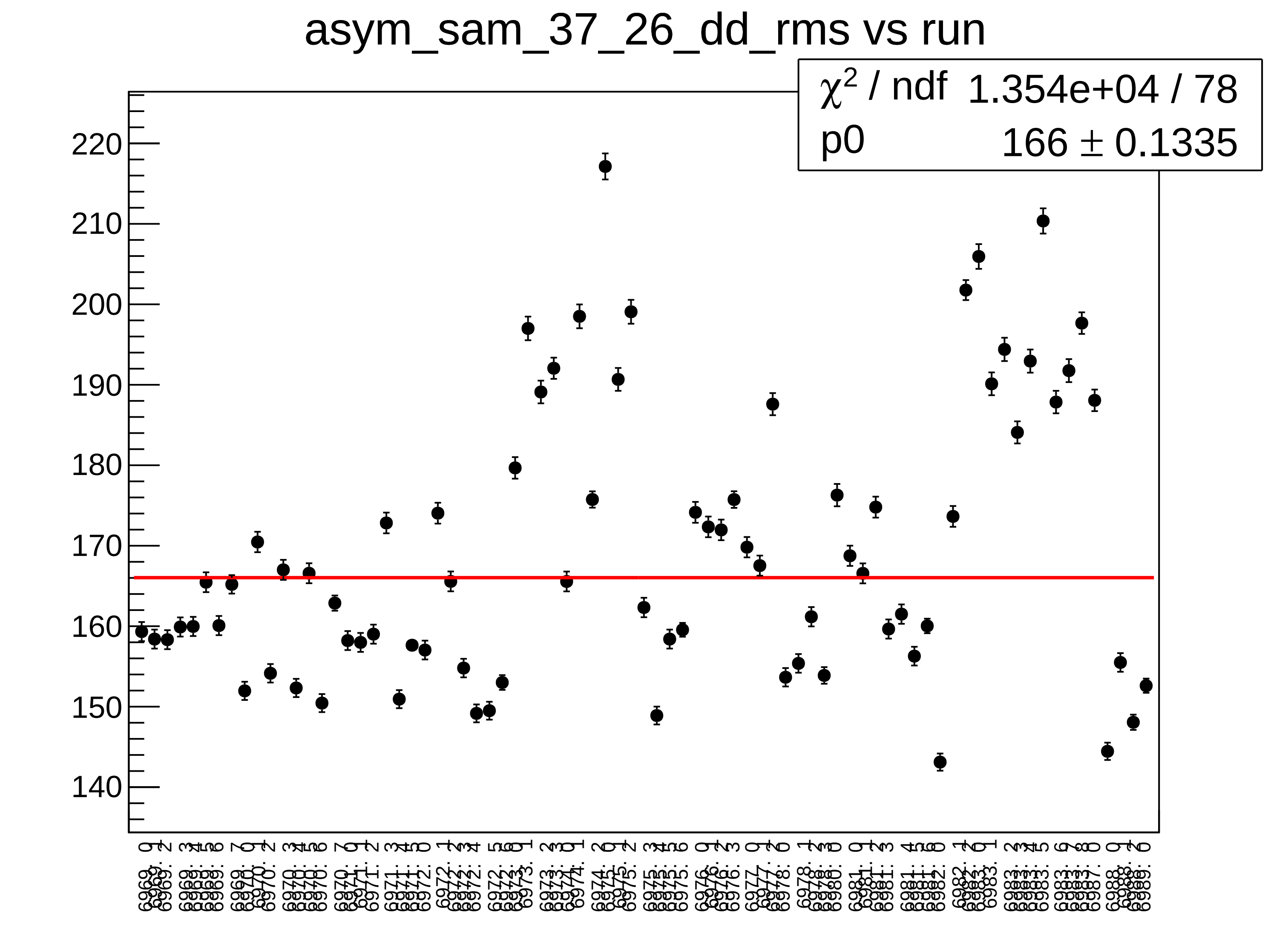

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 88.05 / 78
p0 −373.2 ± 200.8
pull
Entries 79
Mean −39.99
Std Dev 60.12
pull1D
Entries 79
Mean 0.006062
Std Dev 1.056



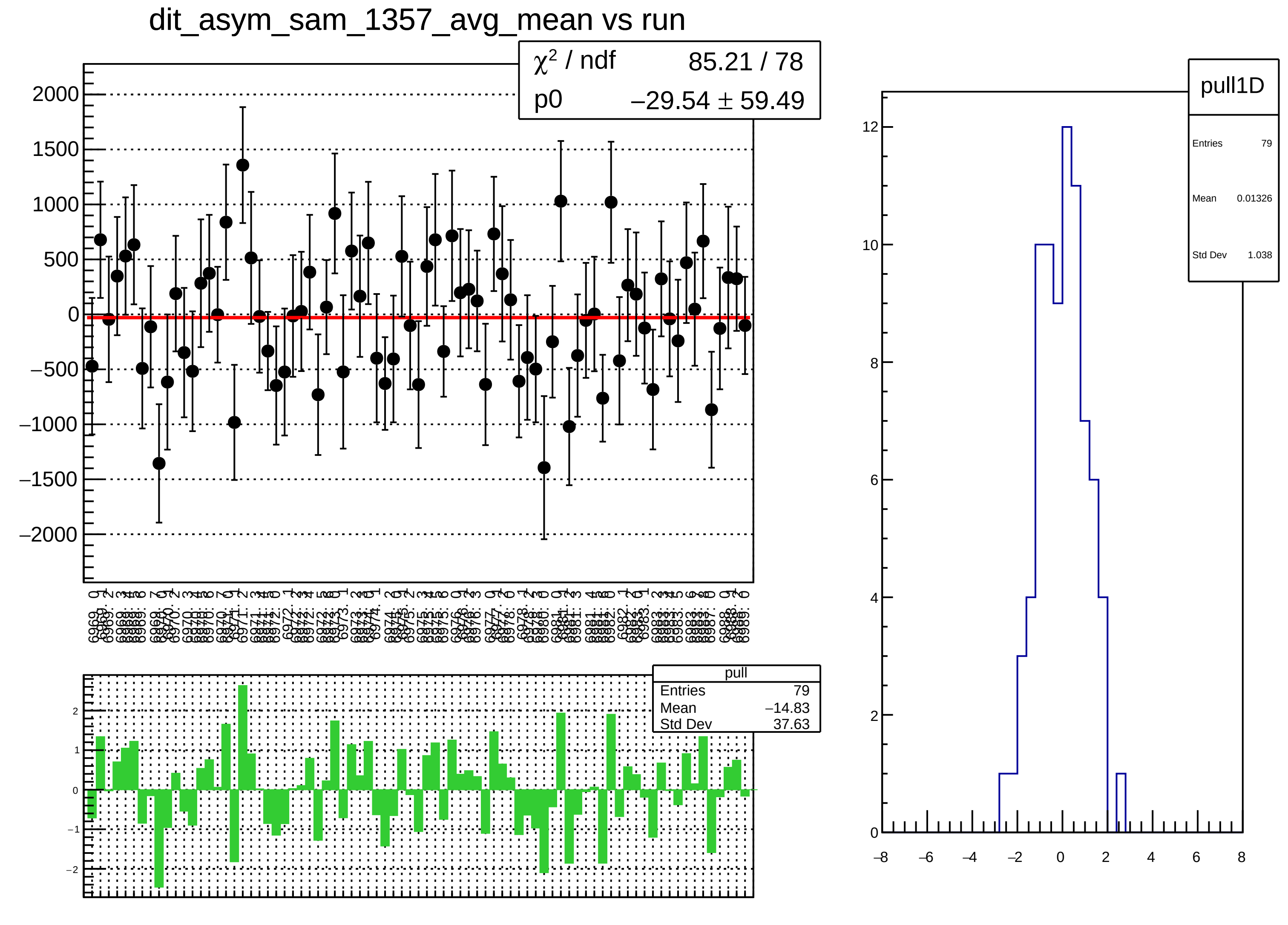
asym_sam_37_26_dd_correction_rms vs run
χ2 / ndf 1.53e+04 / 78
p0 176.5 ± 0.142
240
220
200
180
160
140



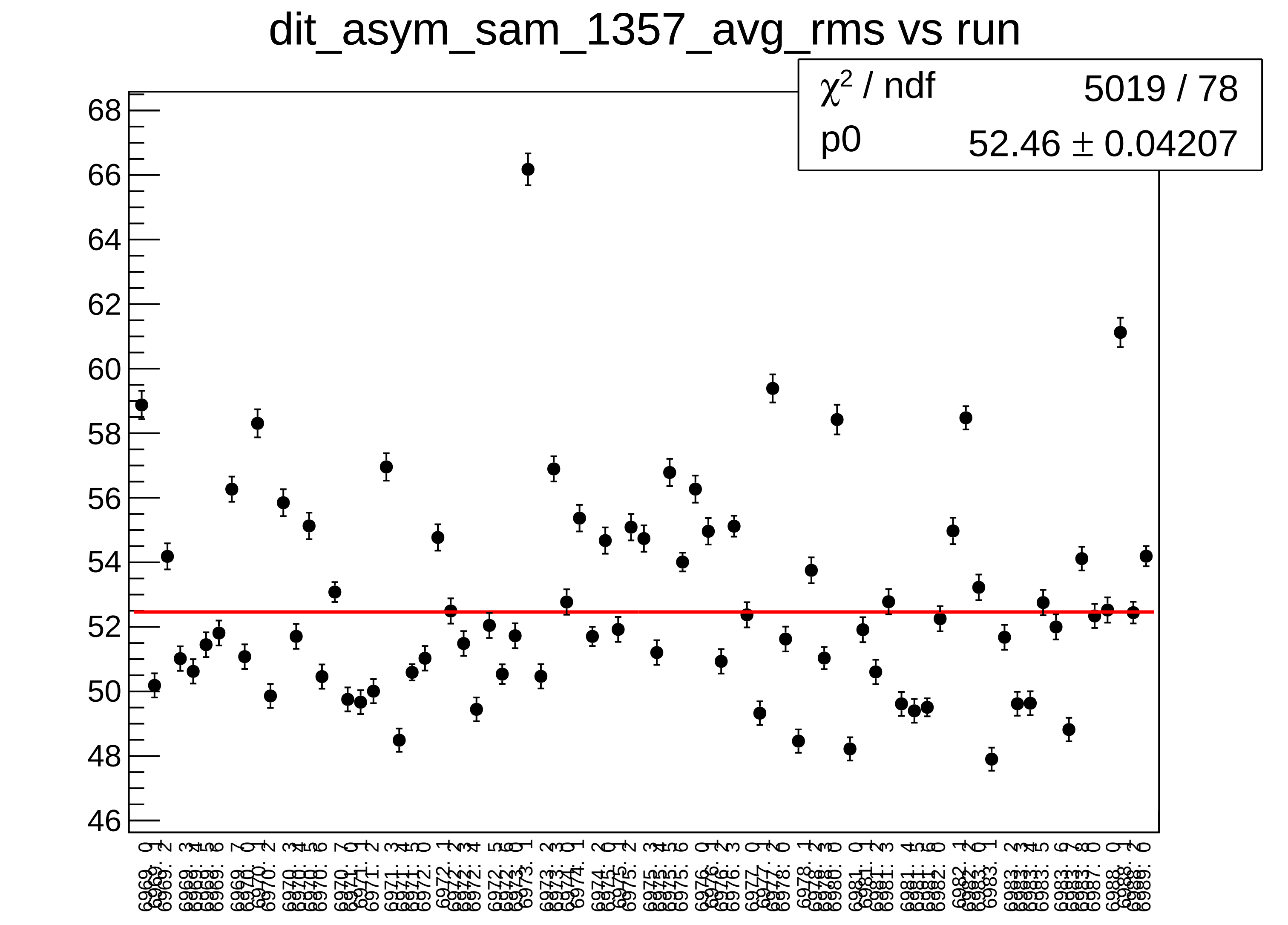
asym_sam_37_26_dd_mean vs run
χ2 / ndf 85.24 / 78
p0 317.7 ± 188.8
pull
Entries 79
Mean 10.38
Std Dev 64.05
pull1D
Entries 79
Mean −0.01371
Std Dev 1.039



asym_sam_37_26_dd_rms vs run
χ2 / ndf 1.354e+04 / 78
p0 166 ± 0.1335
220
210
200
190
180
170
160
150
140

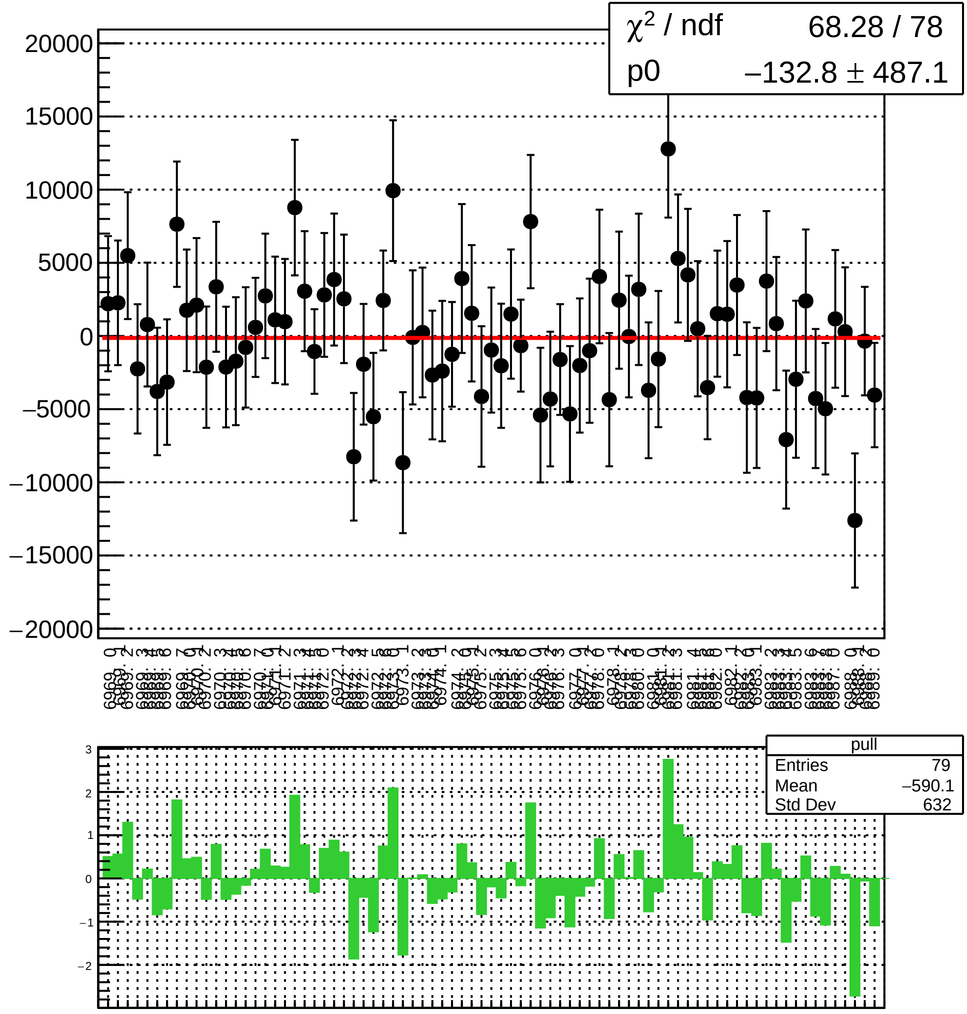


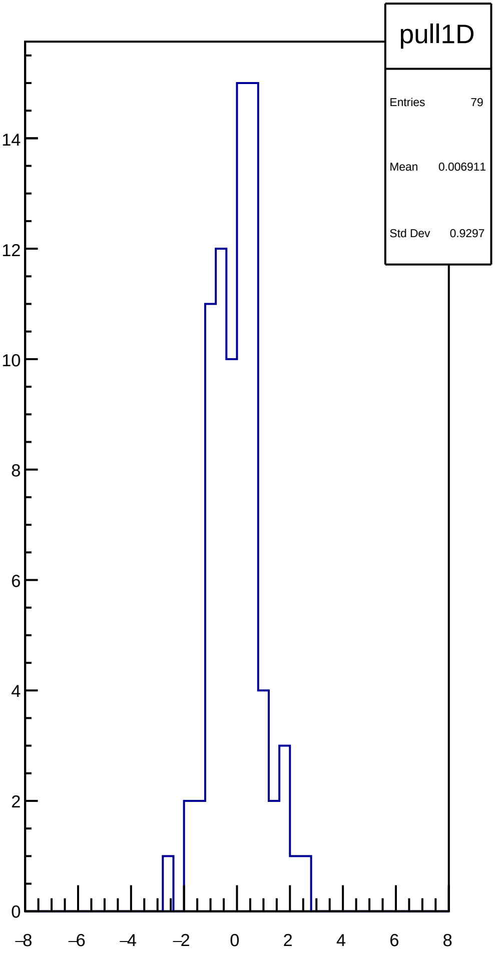
dit_asym_sam_1357_avg_mean vs run
χ^2 / ndf 85.21 / 78
p0 −29.54 ± 59.49
pull
Entries 79
Mean −14.83
Std Dev 37.63
pull1D
Entries 79
Mean 0.01326
Std Dev 1.038

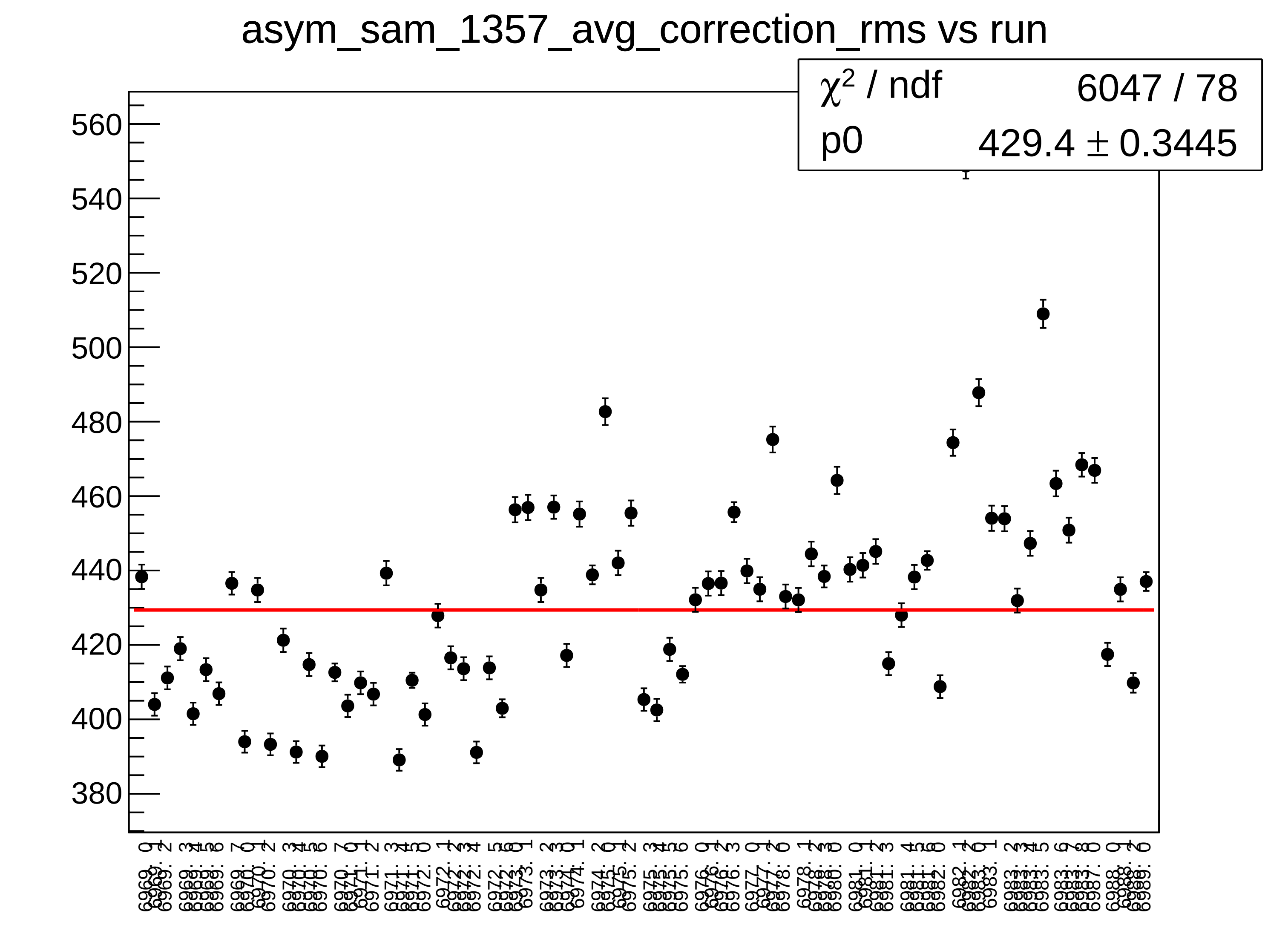


dit_asym_sam_1357_avg_rms vs run
χ2 / ndf 5019 / 78
p0 52.46 ± 0.04207
68
66
64
62
60
58
56
54
52
50
48
46

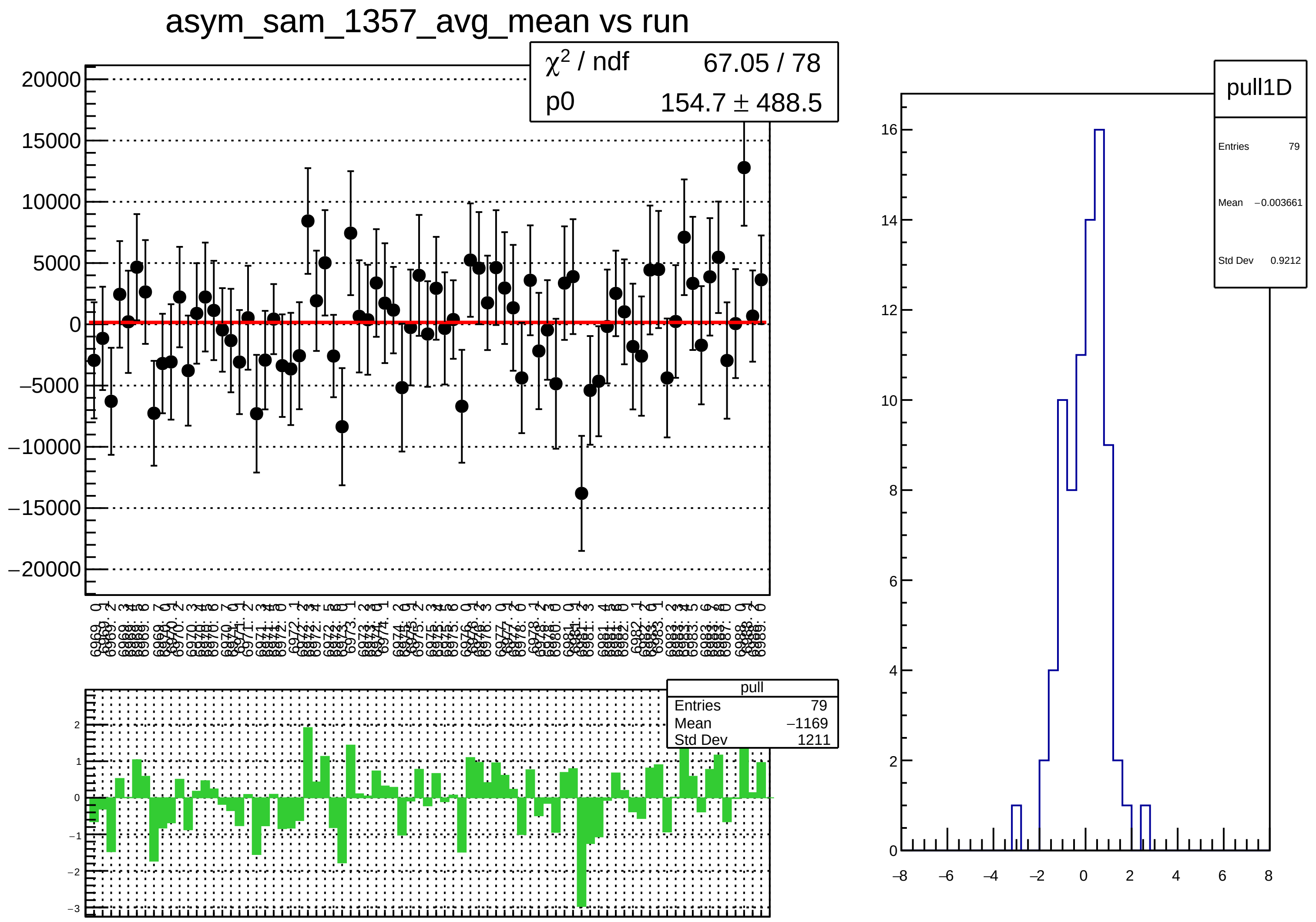
asym_sam_1357_avg_correction_mean vs run



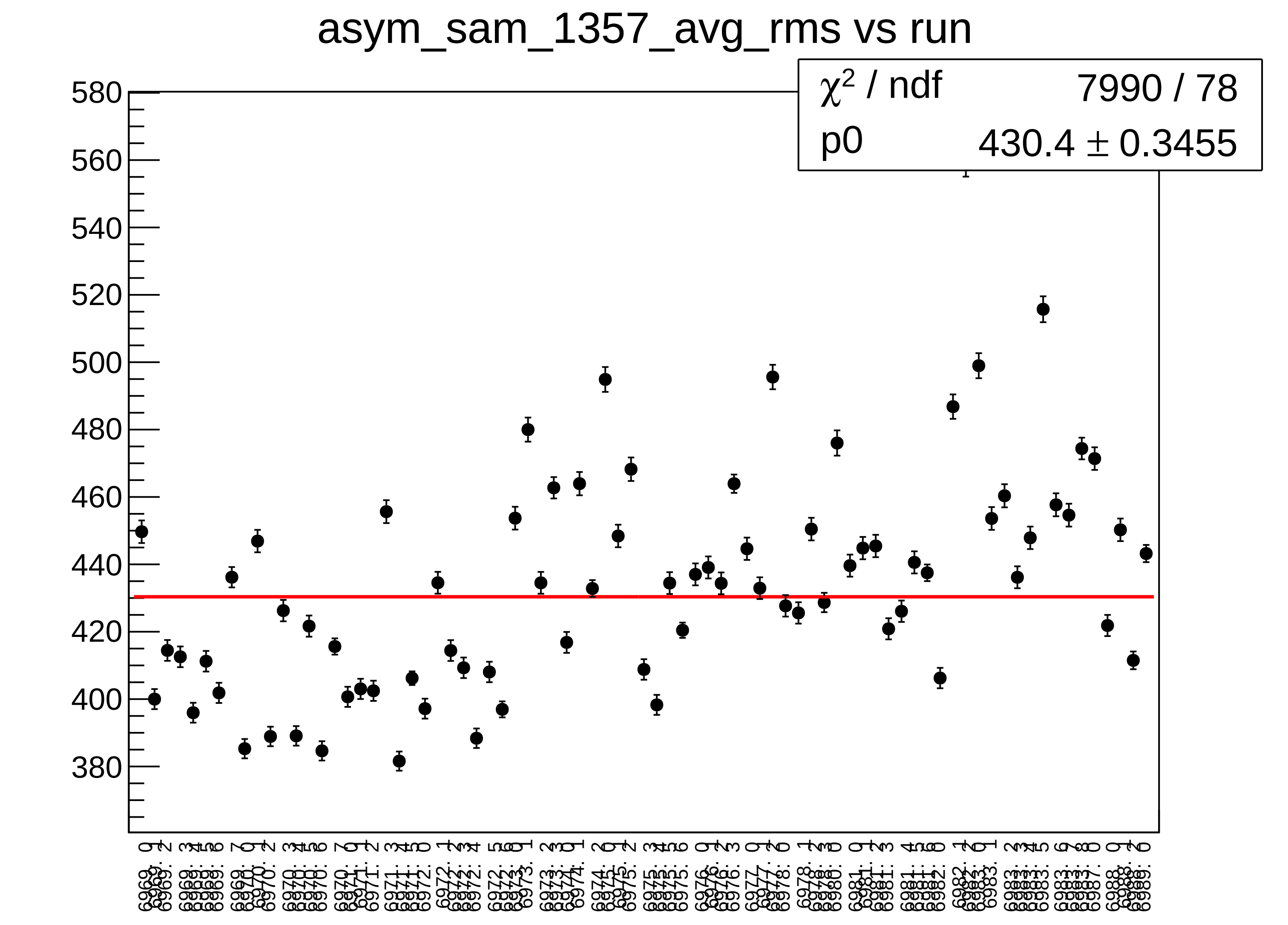


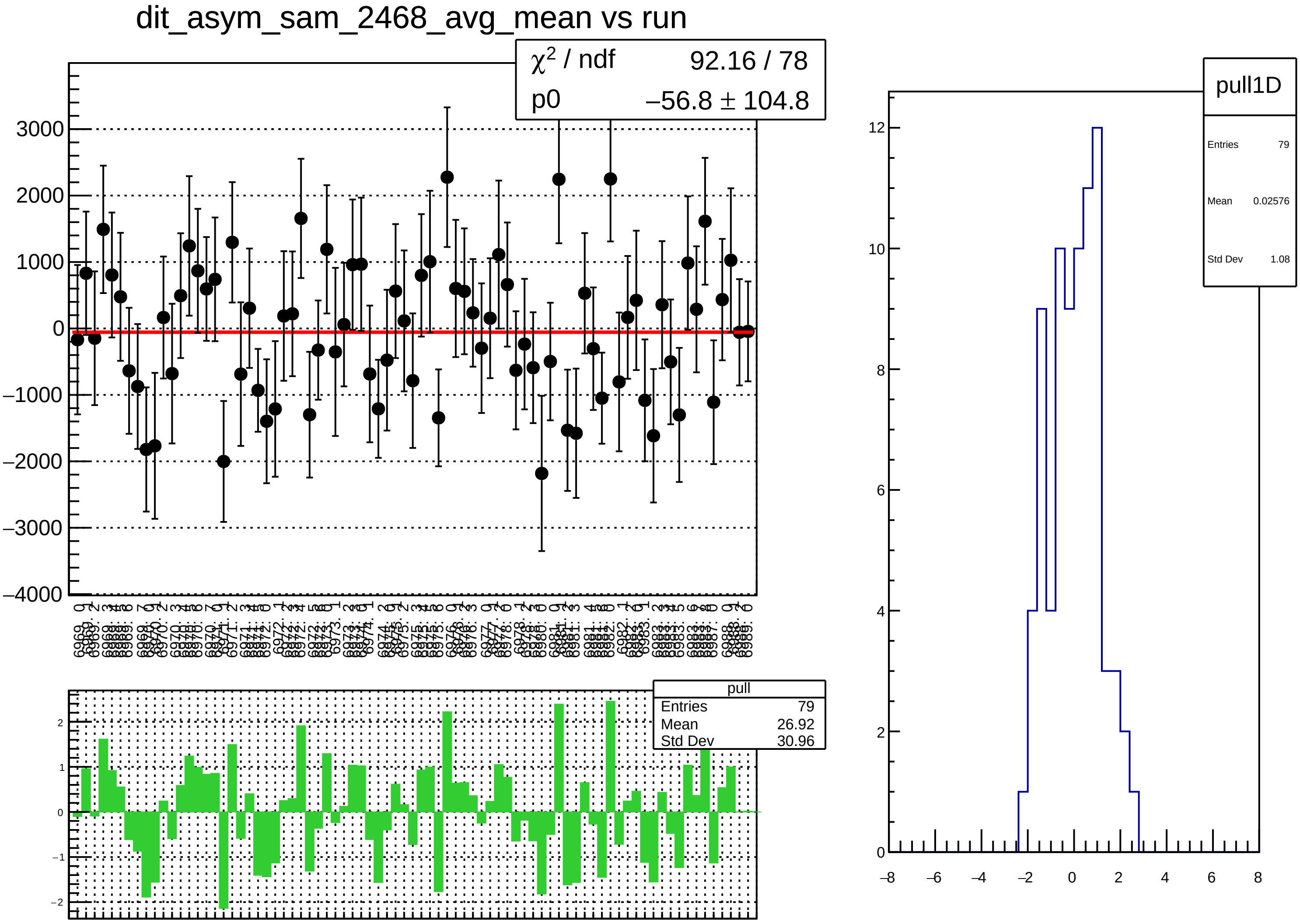


asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 6047 / 78
p0 429.4 ± 0.3445
560
540
520
500
480
460
440
420
400
380

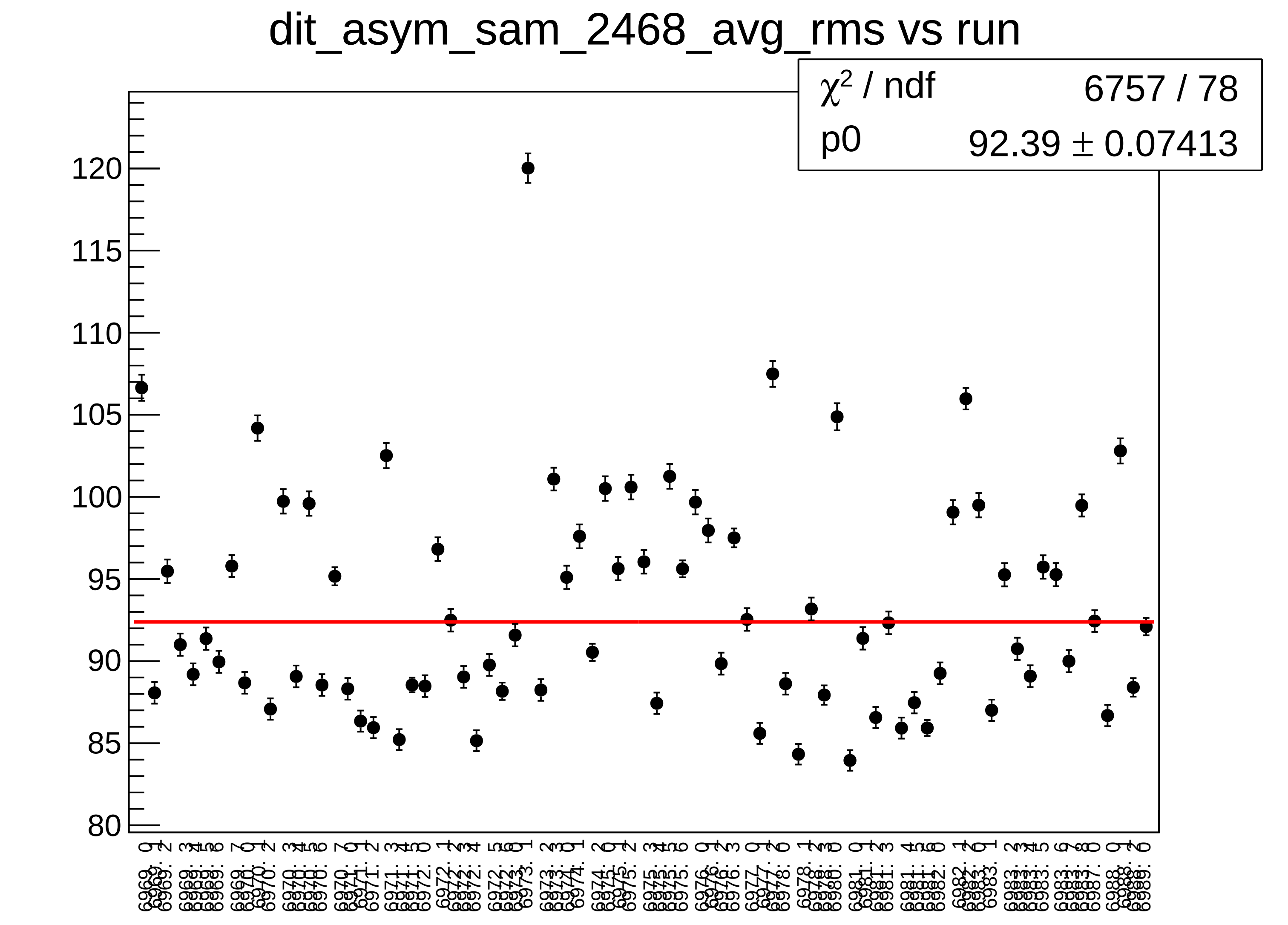


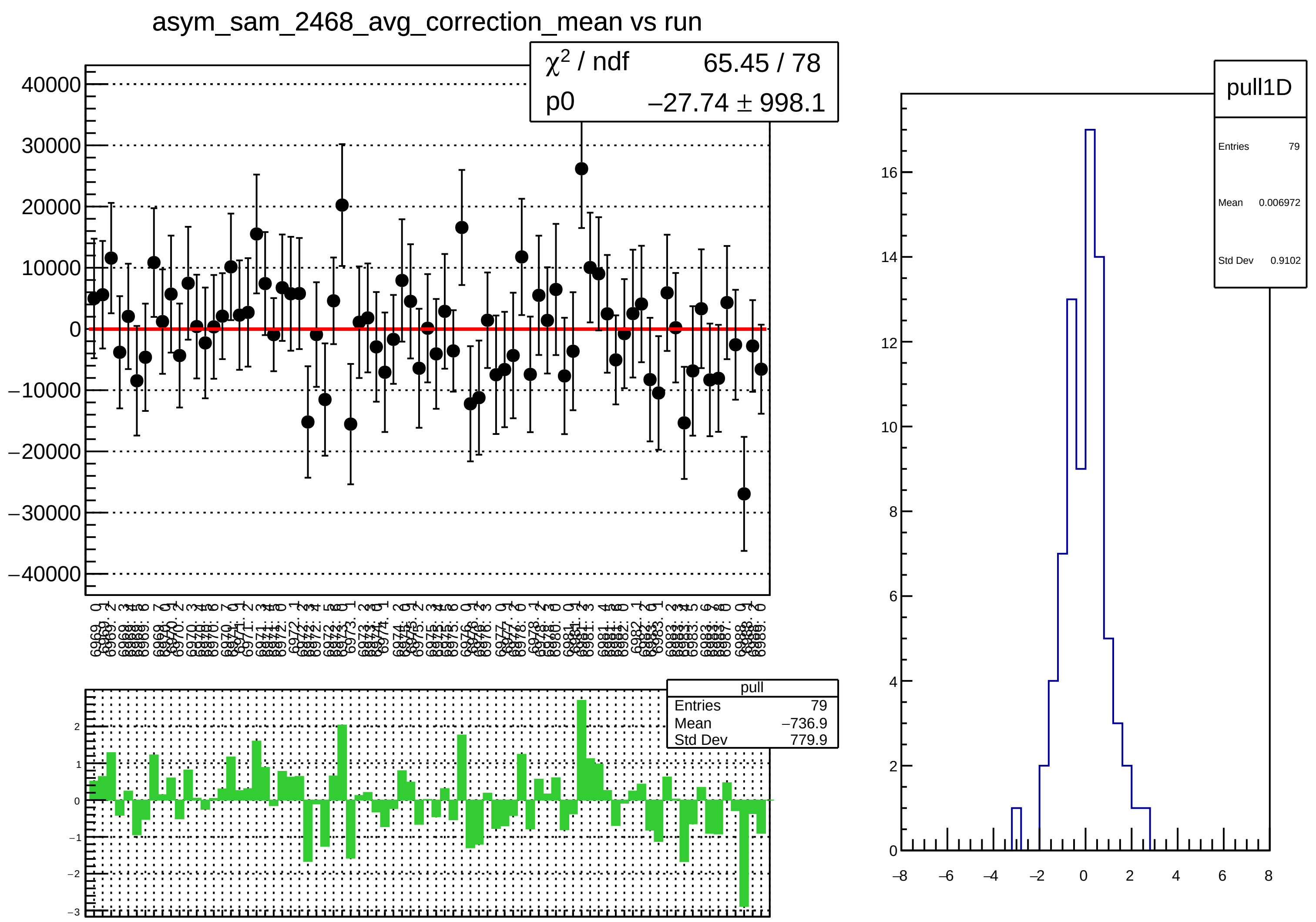
asym_sam_1357_avg_mean vs run
χ^2 / ndf 67.05 / 78
p0 154.7 ± 488.5
pull
Entries 79
Mean −1169
Std Dev 1211
pull1D
Entries 79
Mean −0.003661
Std Dev 0.9212


asym_sam_1357_avg_rms vs run
χ^2 / ndf 7990 / 78
p0 430.4 ± 0.3455
580
560
540
520
500
480
460
440
420
400
380

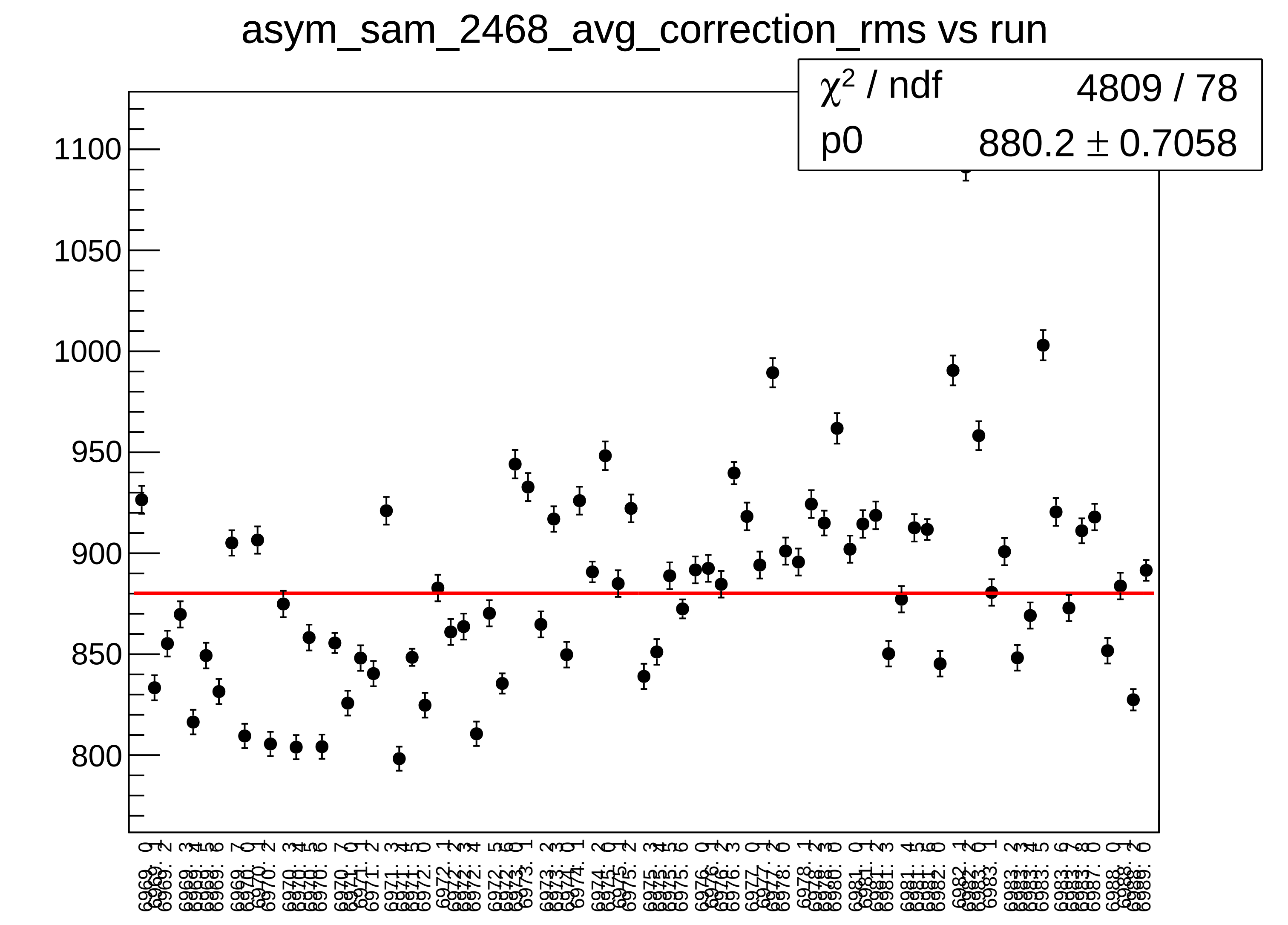


dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 92.16 / 78
p0 −56.8 ± 104.8
pull
Entries 79
Mean 26.92
Std Dev 30.96
pull1D
Entries 79
Mean 0.02576
Std Dev 1.08


dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 6757 / 78
p0 92.39 ± 0.07413
120
115
110
105
100
95
90
85
80

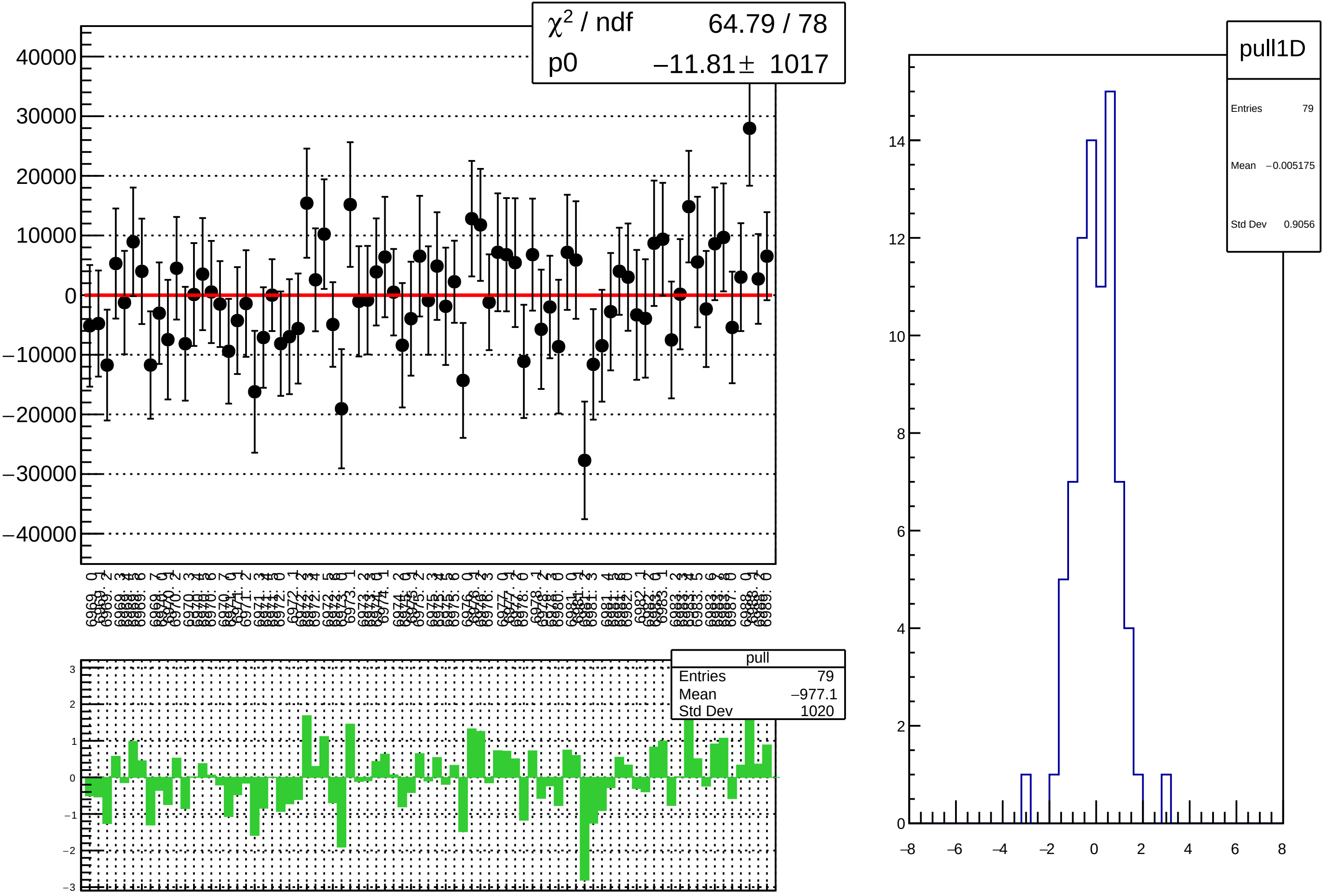


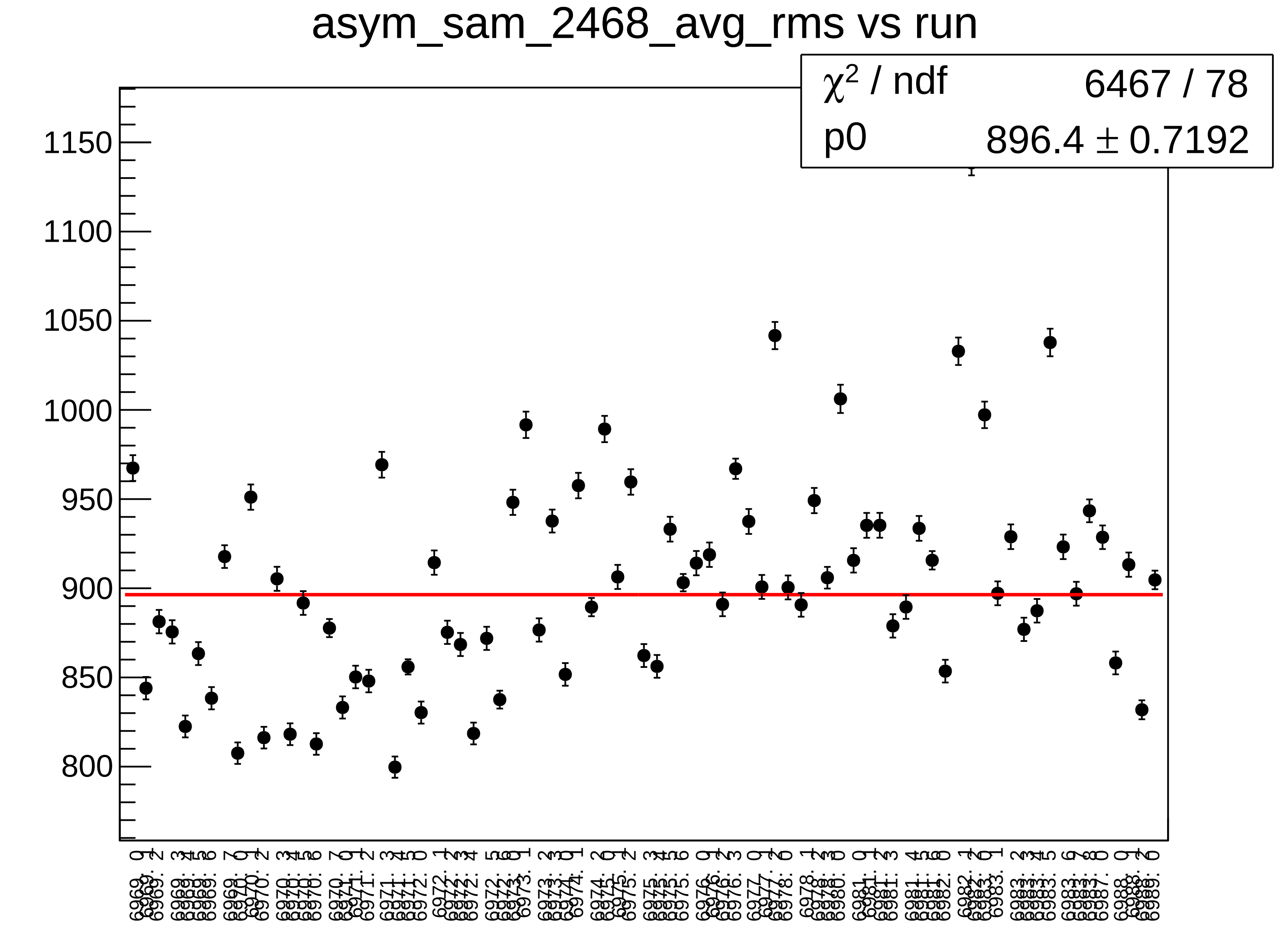
asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 65.45 / 78
p0 −27.74 ± 998.1
pull
Entries 79
Mean −736.9
Std Dev 779.9
pull1D
Entries 79
Mean 0.006972
Std Dev 0.9102

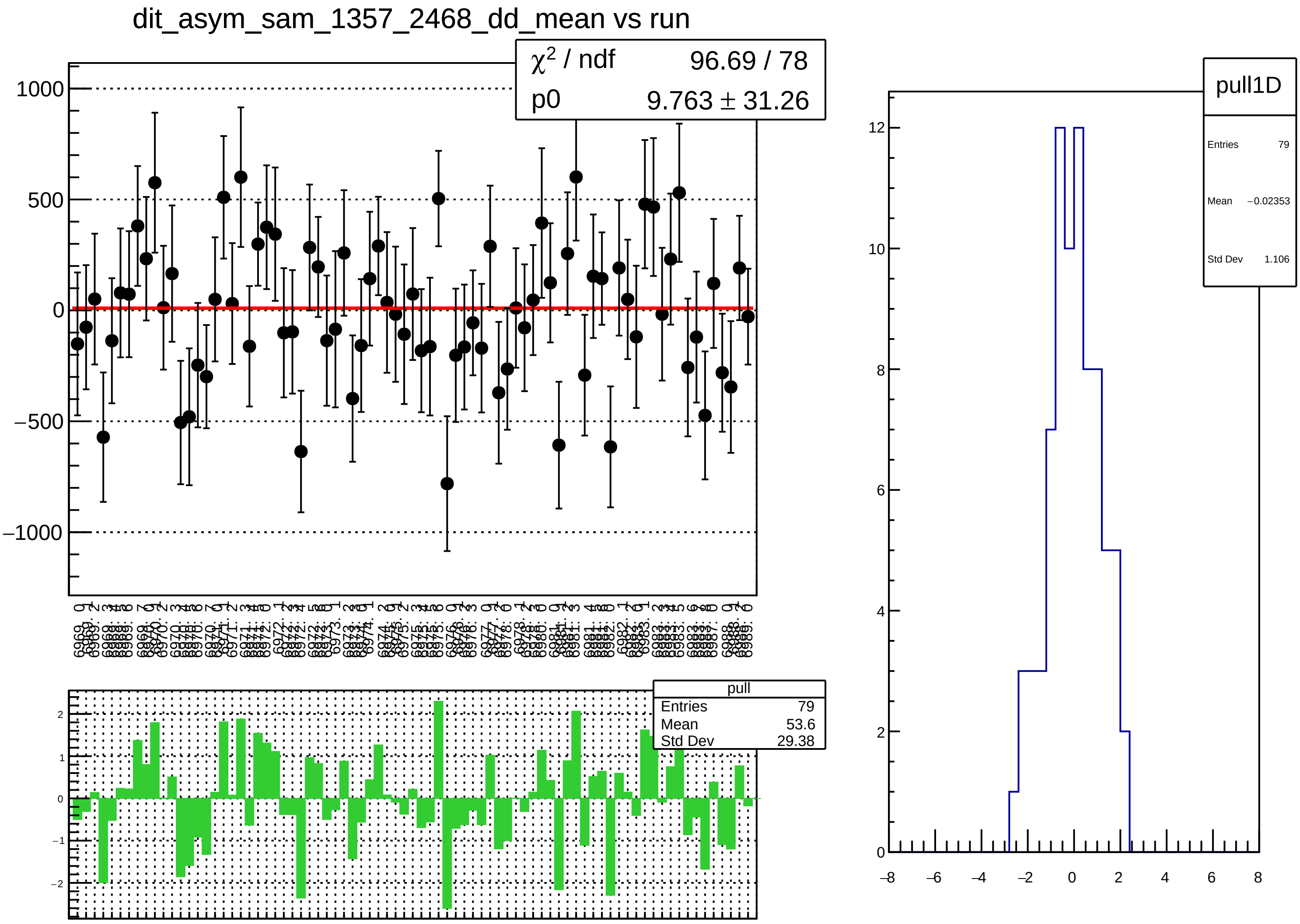


asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 4809 / 78
p0 880.2 ± 0.7058
1100
1050
1000
950
900
850
800

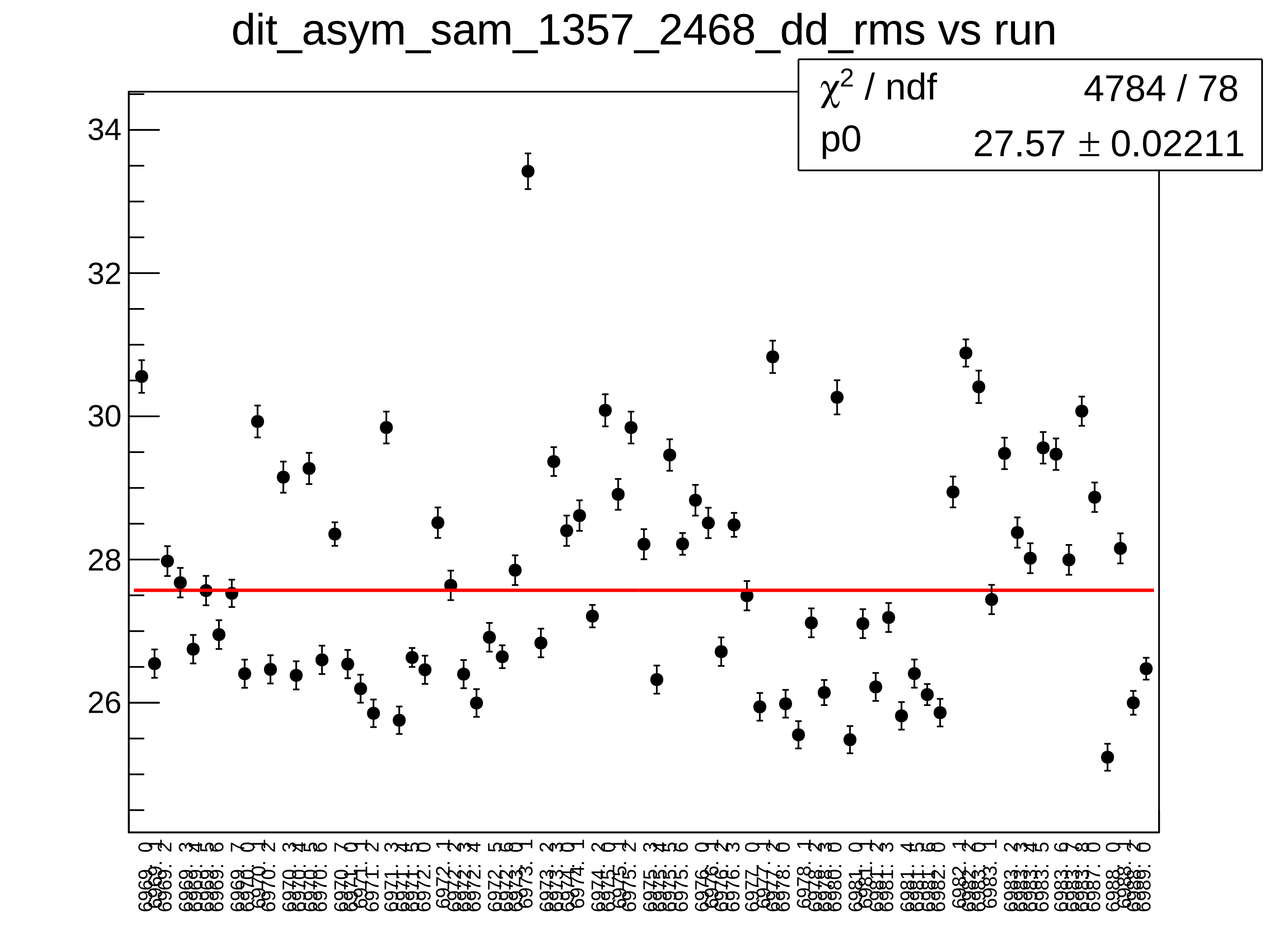
asym_sam_2468_avg_mean vs run

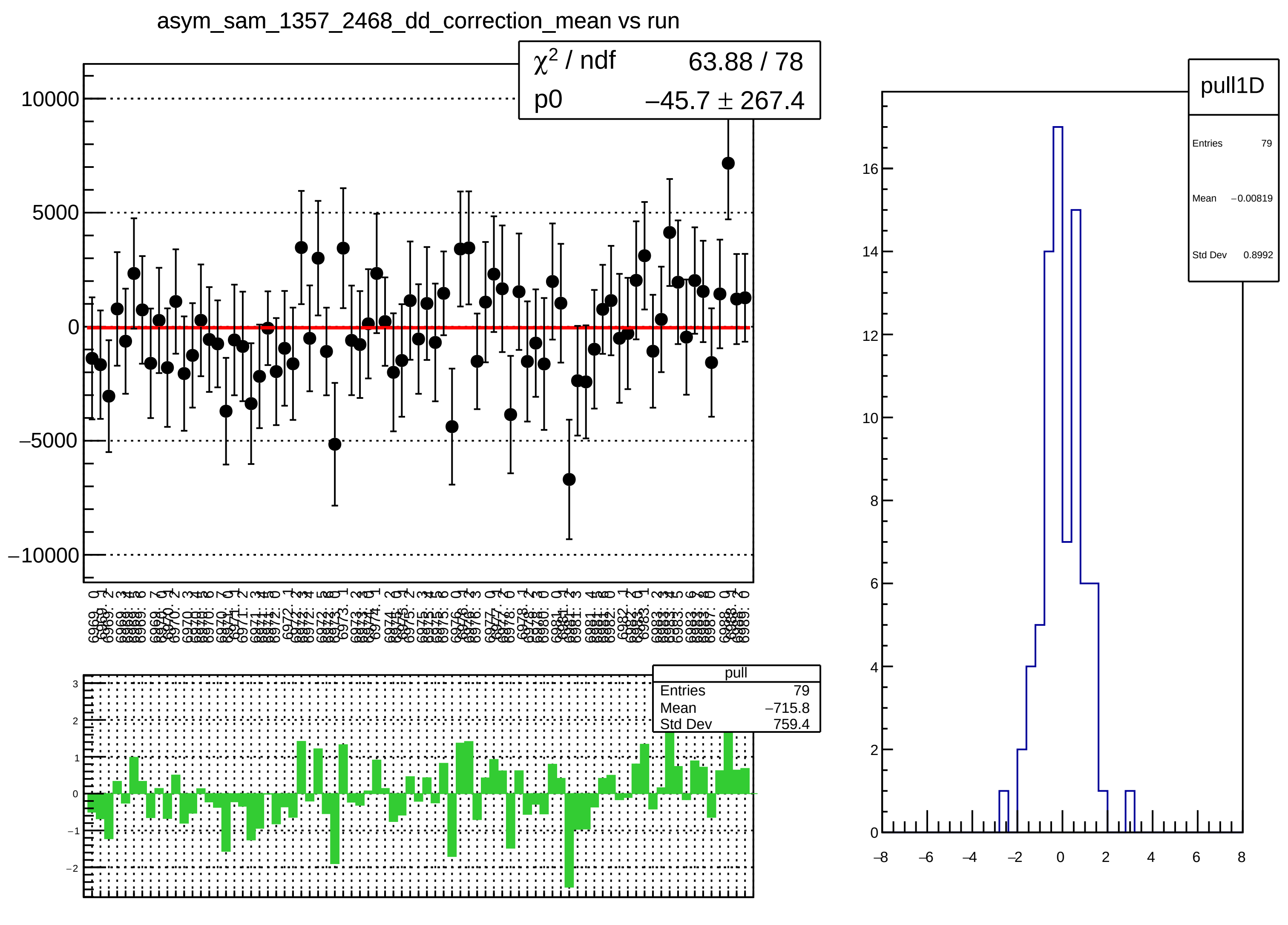



asym_sam_2468_avg_rms vs run
χ^2 / ndf 6467 / 78
p0 896.4 ± 0.7192
1150
1100
1050
1000
950
900
850
800

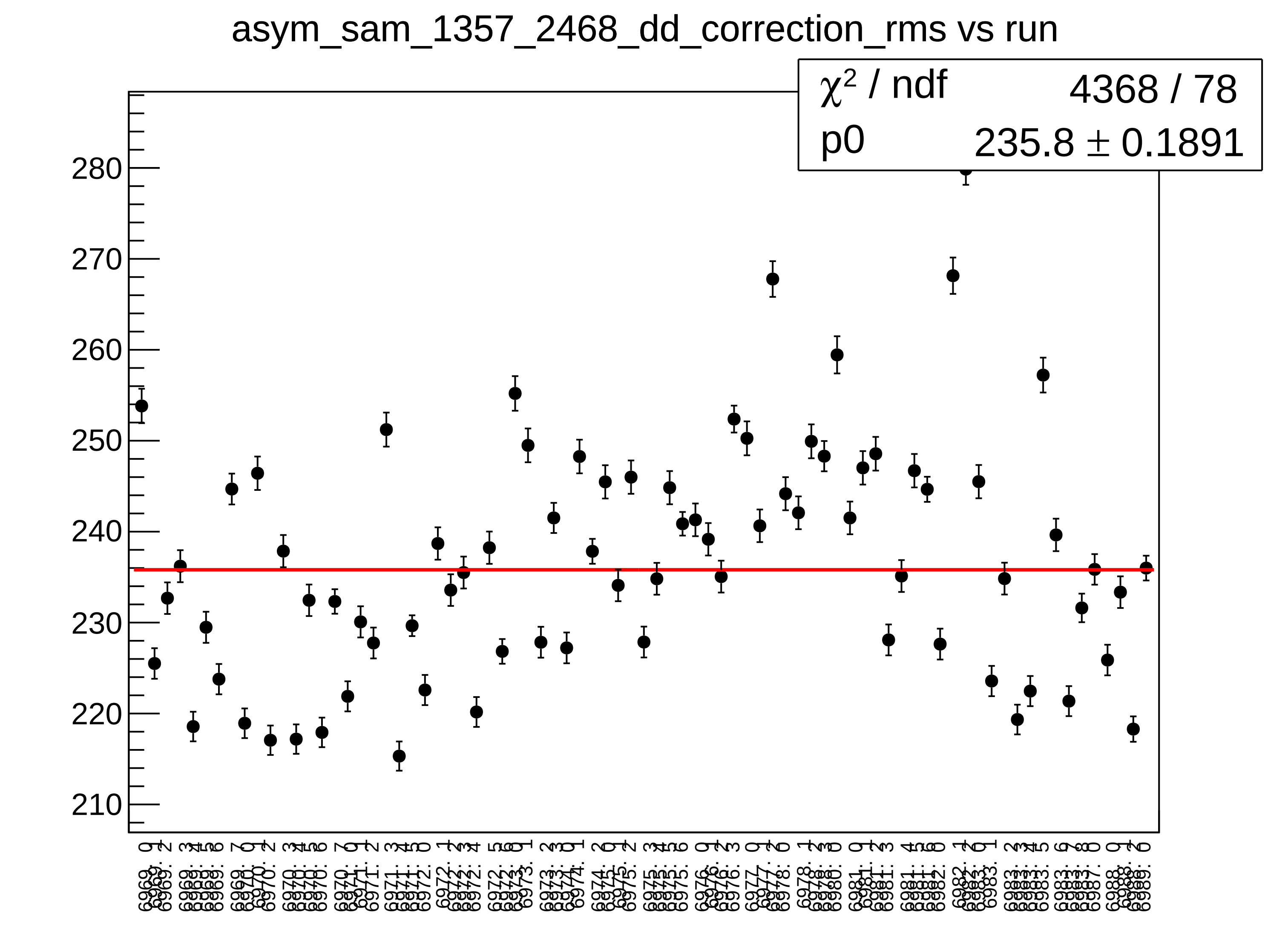


dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 96.69 / 78
p0 9.763 ± 31.26
pull
Entries 79
Mean 53.6
Std Dev 29.38
pull1D
Entries 79
Mean −0.02353
Std Dev 1.106

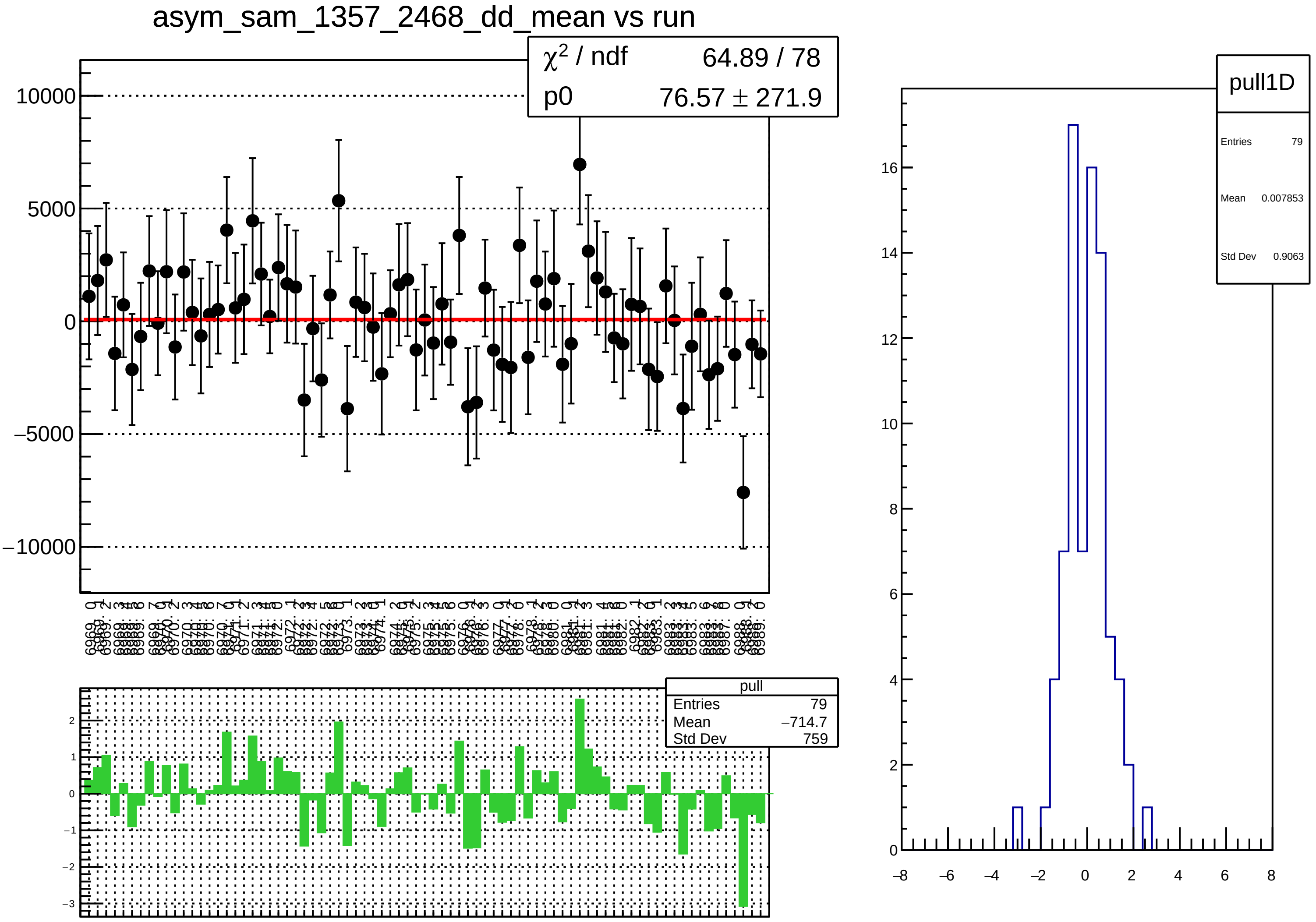

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 4784 / 78
p0 27.57 ± 0.02211
34
32
30
28
26



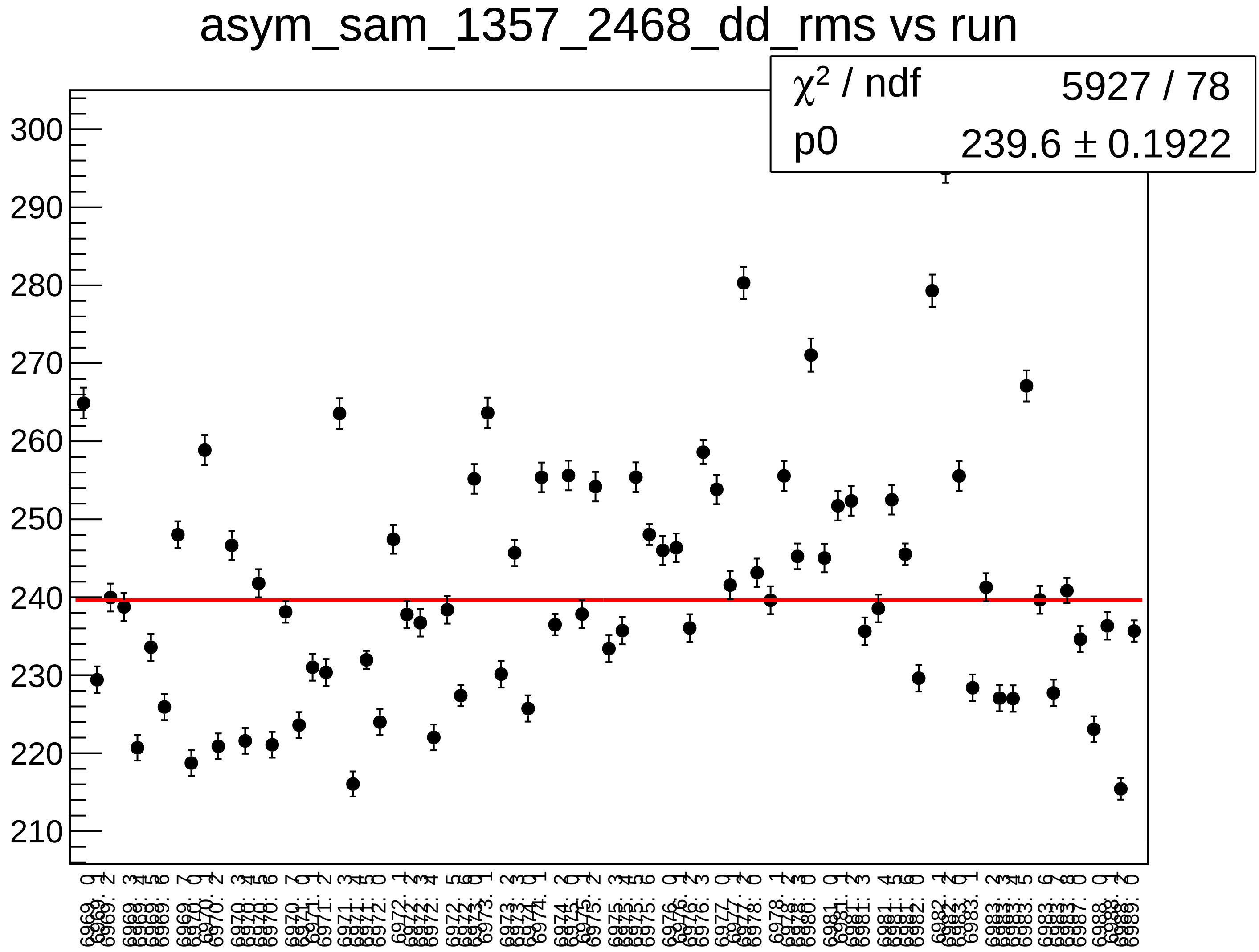
asym_sam_1357_2468_dd_correction_mean vs run
χ2 / ndf 63.88 / 78
p0 −45.7 ± 267.4
pull
Entries 79
Mean −715.8
Std Dev 759.4
pull1D
Entries 79
Mean −0.00819
Std Dev 0.8992



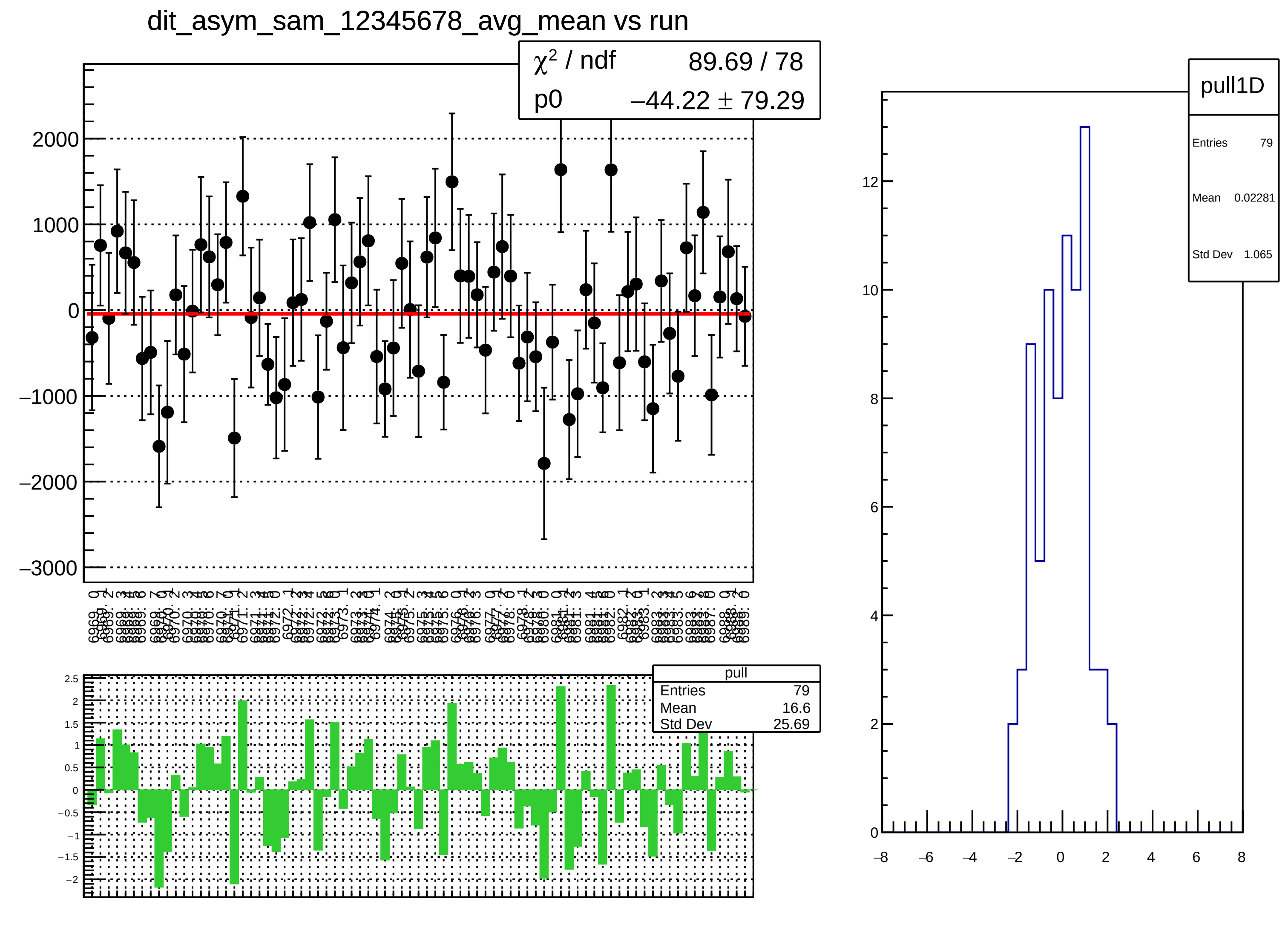
asym_sam_1357_2468_dd_correction_rms vs run
χ2 / ndf 4368 / 78
p0 235.8 ± 0.1891



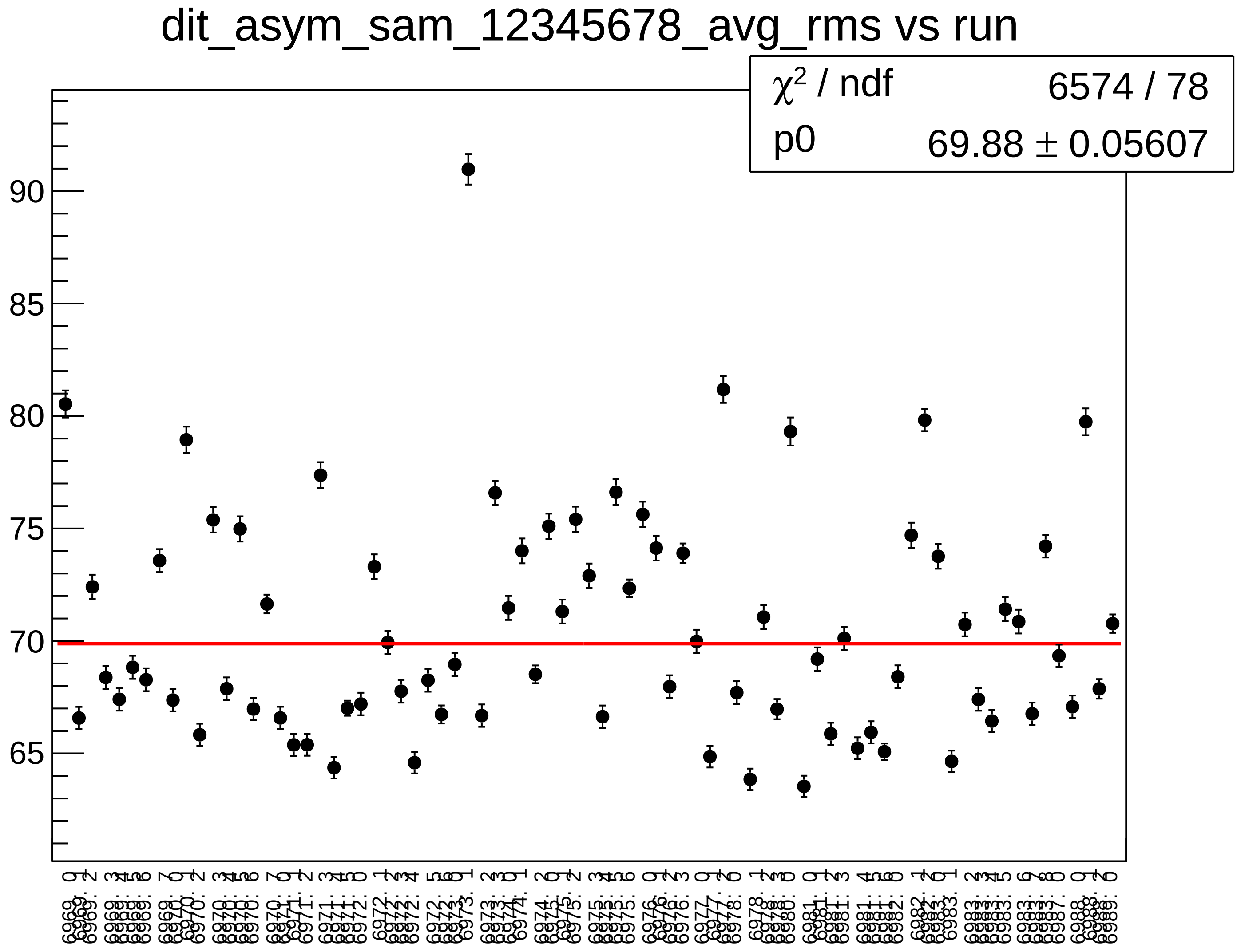
asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 64.89 / 78
p0 76.57 ± 271.9
pull
Entries 79
Mean −714.7
Std Dev 759
pull1D
Entries 79
Mean 0.007853
Std Dev 0.9063



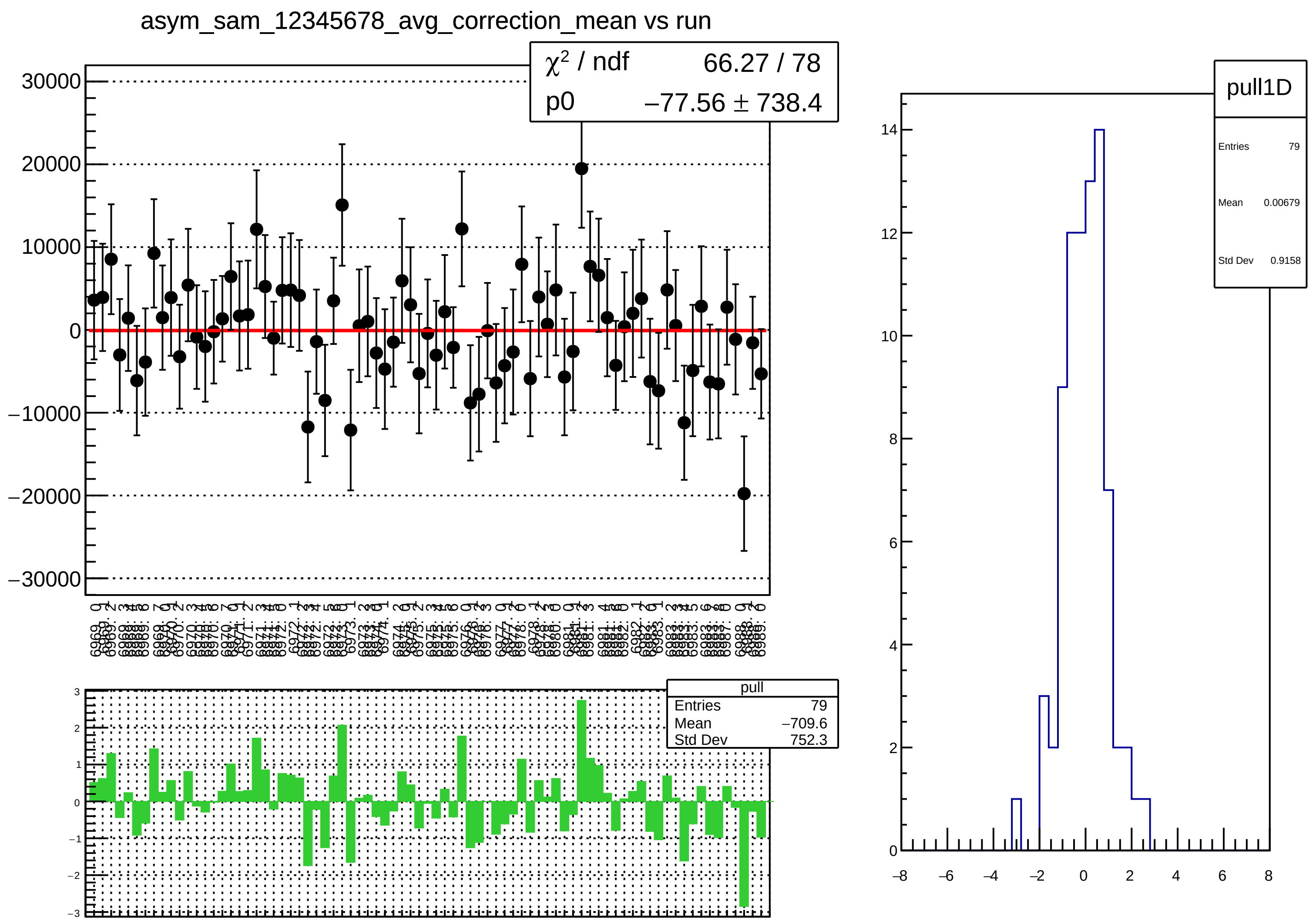
asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 5927 / 78
p0 239.6 ± 0.1922
300
290
280
270
260
250
240
230
220
210

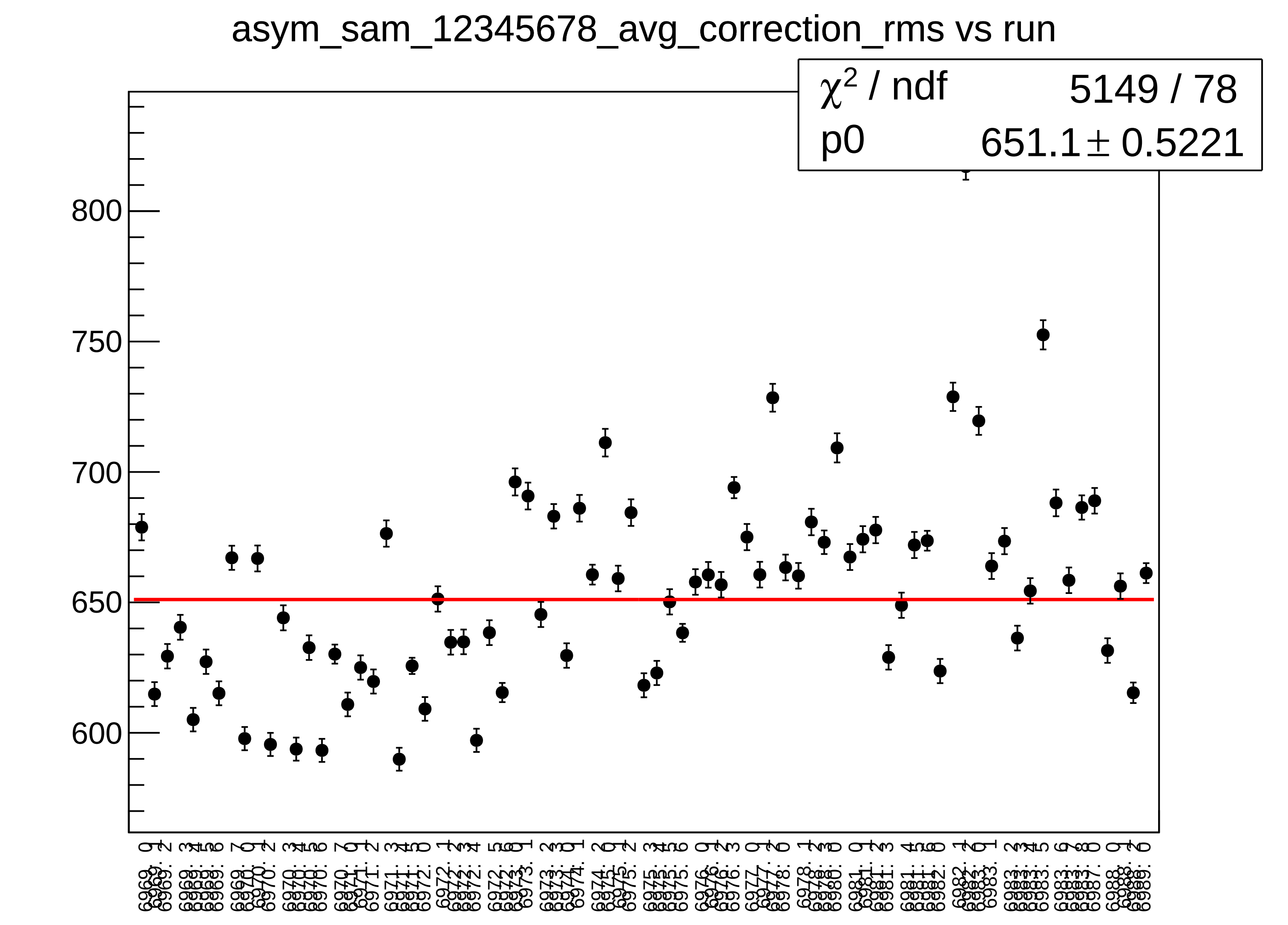


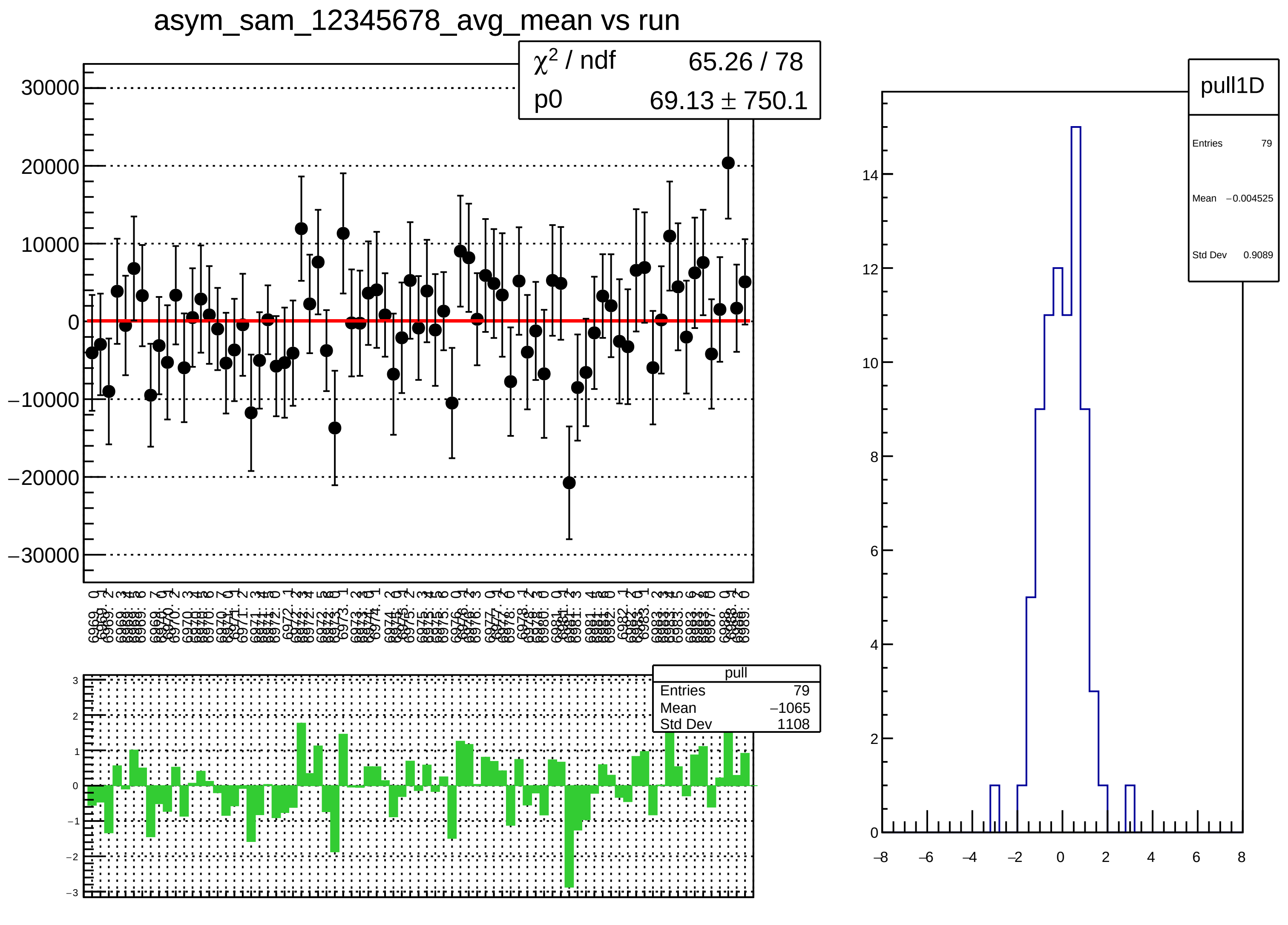
dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 89.69 / 78
p0 −44.22 ± 79.29
2000
1000
0
−1000
−2000
−3000
pull
Entries 79
Mean 16.6
Std Dev 25.69
pull1D
Entries 79
Mean 0.02281
Std Dev 1.065

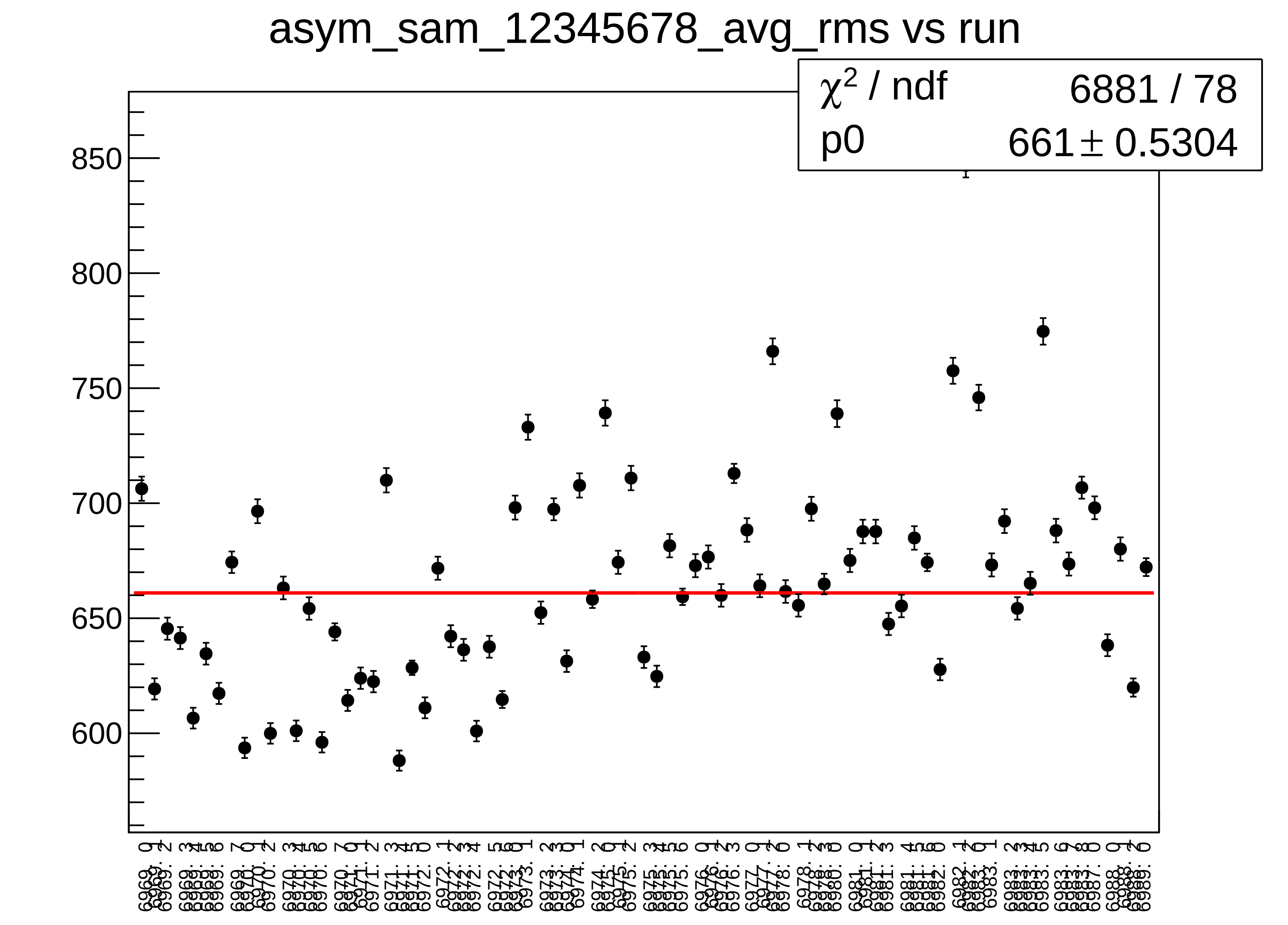


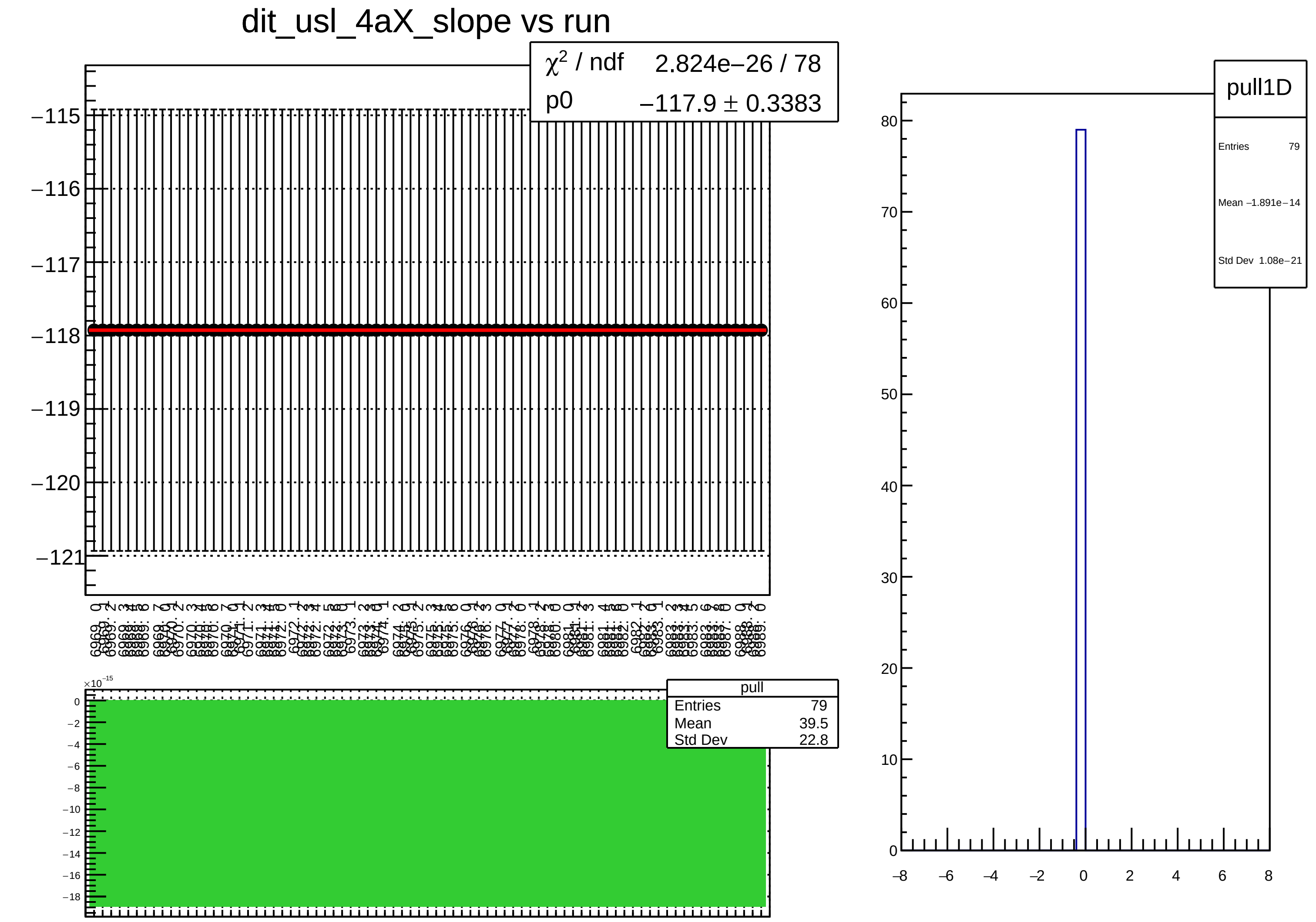
dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 6574 / 78
p0 69.88 ± 0.05607
90
85
80
75
70
65


asym_sam_12345678_avg_correction_mean vs run
χ2 / ndf 66.27 / 78
p0 −77.56 ± 738.4
pull
Entries 79
Mean −709.6
Std Dev 752.3
pull1D
Entries 79
Mean 0.00679
Std Dev 0.9158

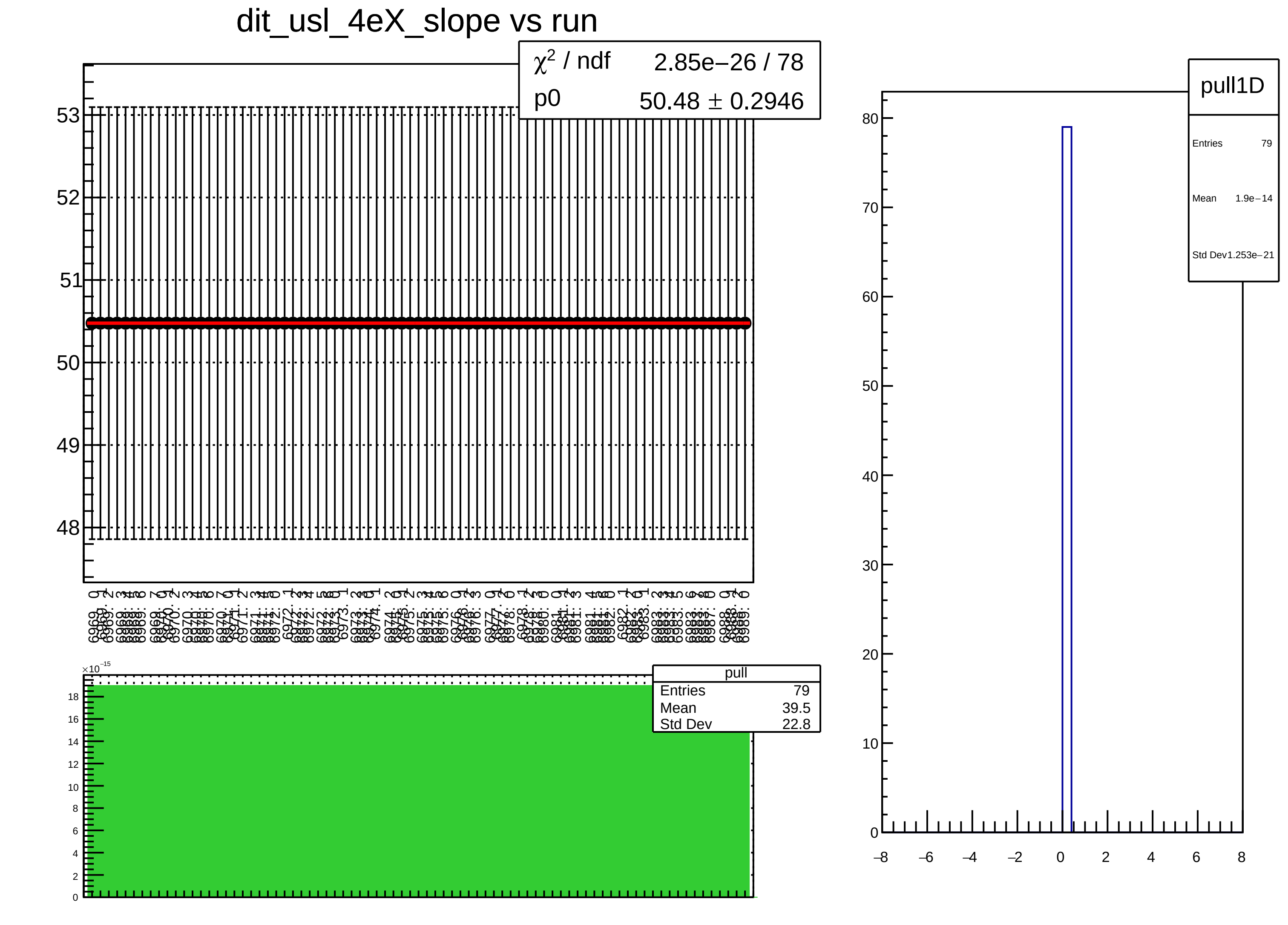

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 5149 / 78
p0 651.1 ± 0.5221
800
750
700
650
600


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

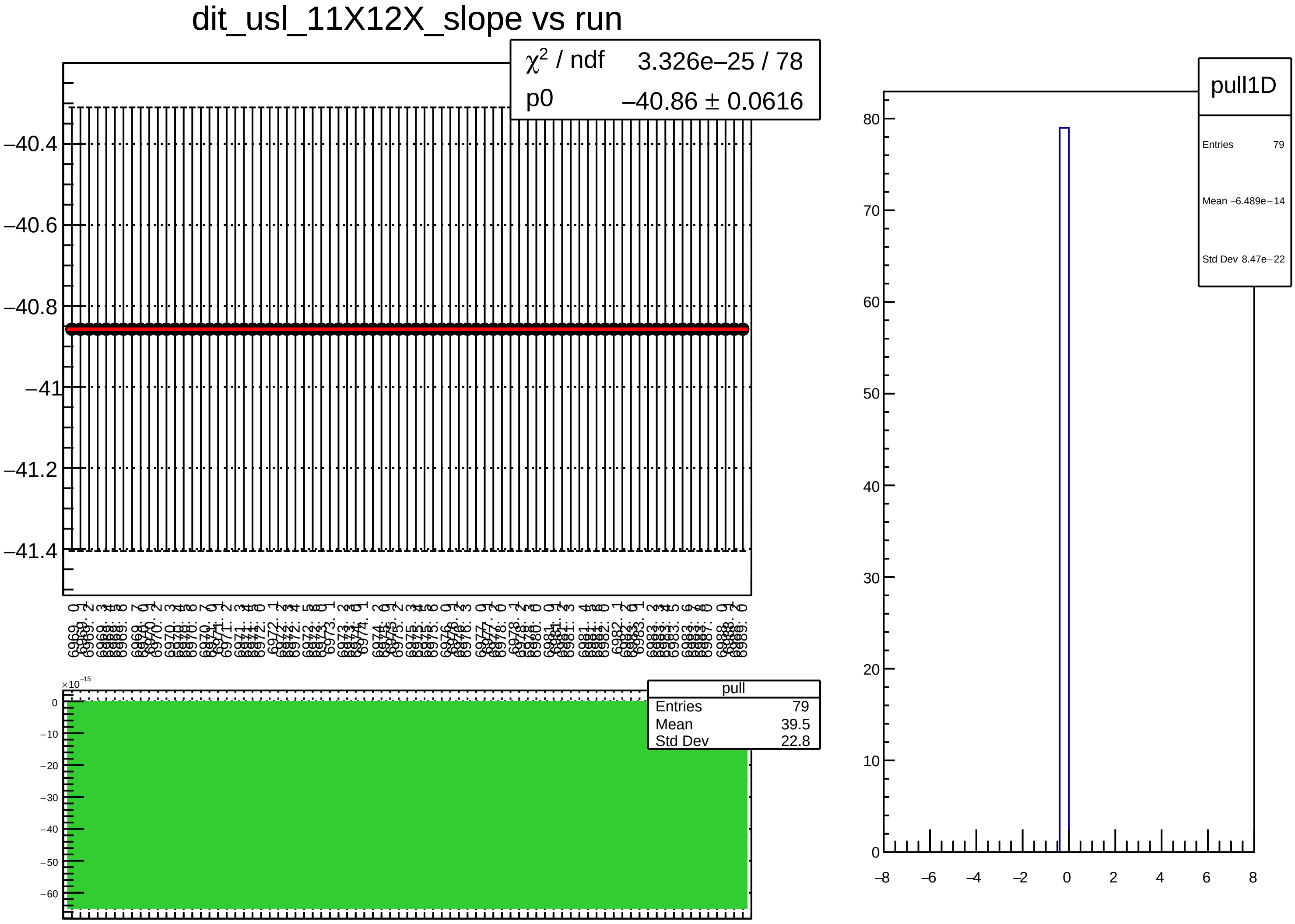

asym_sam_12345678_avg_rms vs run
χ^2 / ndf 6881 / 78
p0 661 ± 0.5304
850
800
750
700
650
600



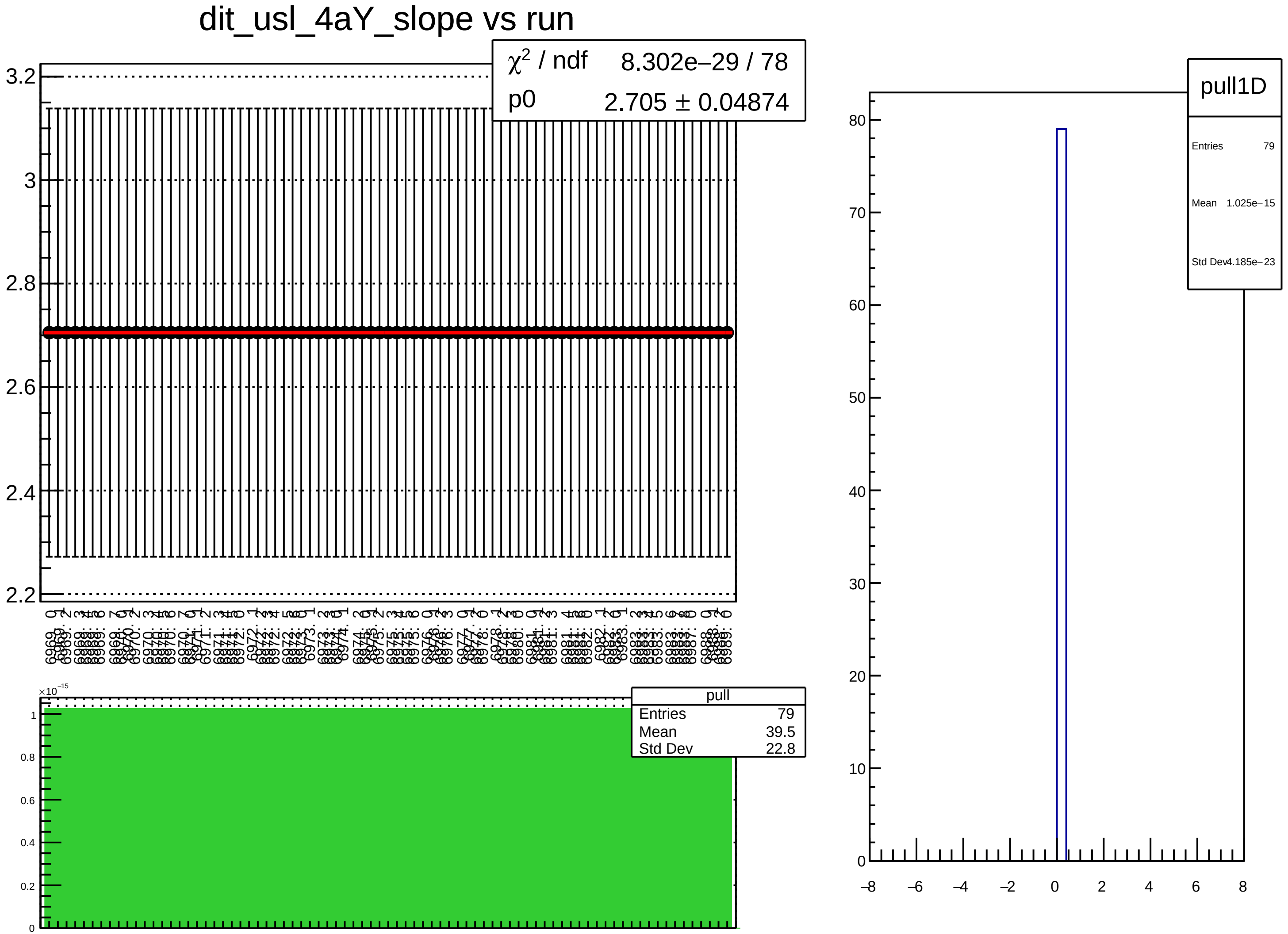
dit_usl_4aX_slope vs run
χ2 / ndf 2.824e−26 / 78
p0 −117.9 ± 0.3383
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −1.891e−14
Std Dev 1.08e−21



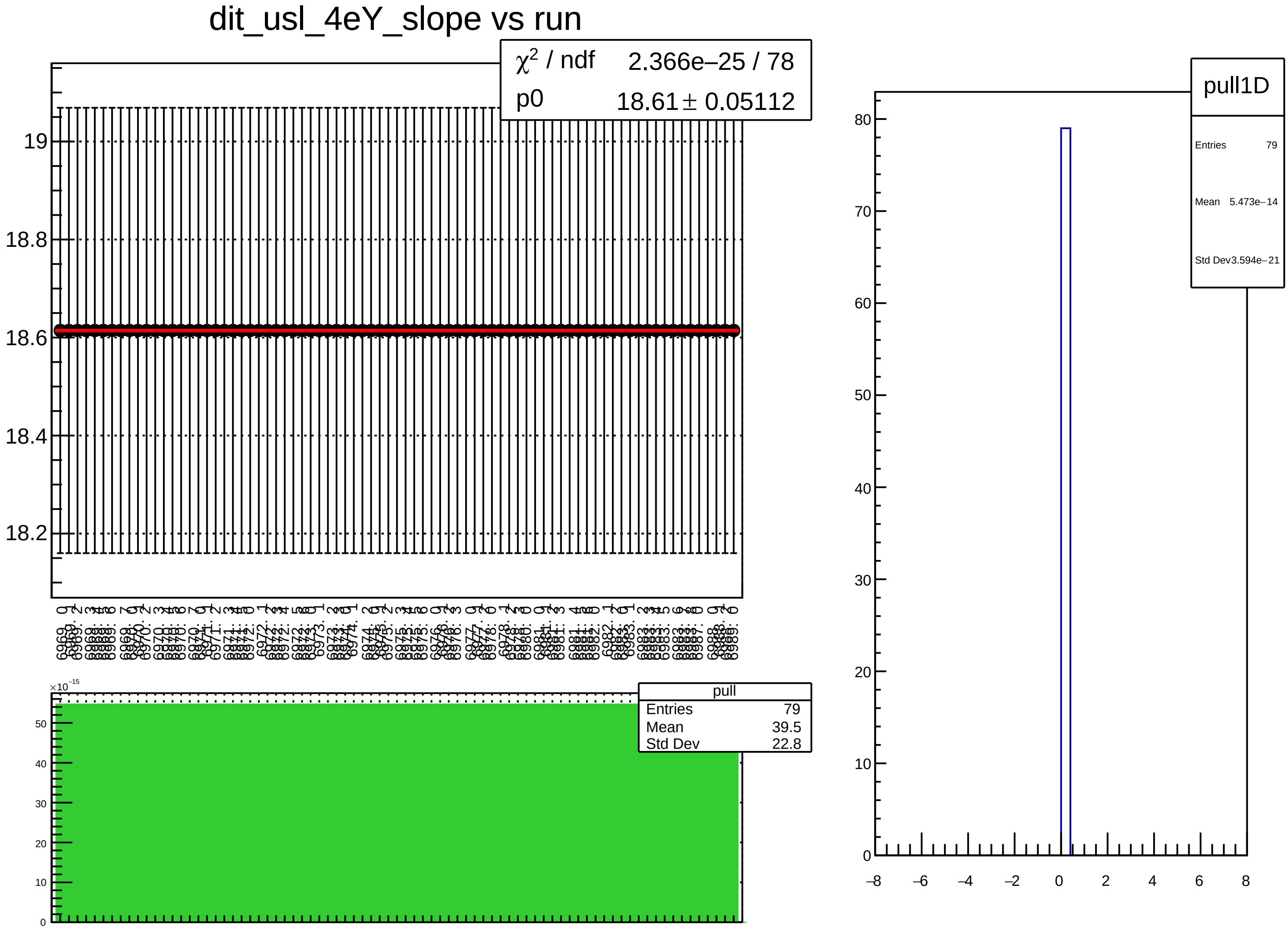
dit_usl_4eX_slope vs run
χ^2 / ndf 2.85e−26 / 78
p0 50.48 ± 0.2946
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.9e−14
Std Dev 1.253e−21



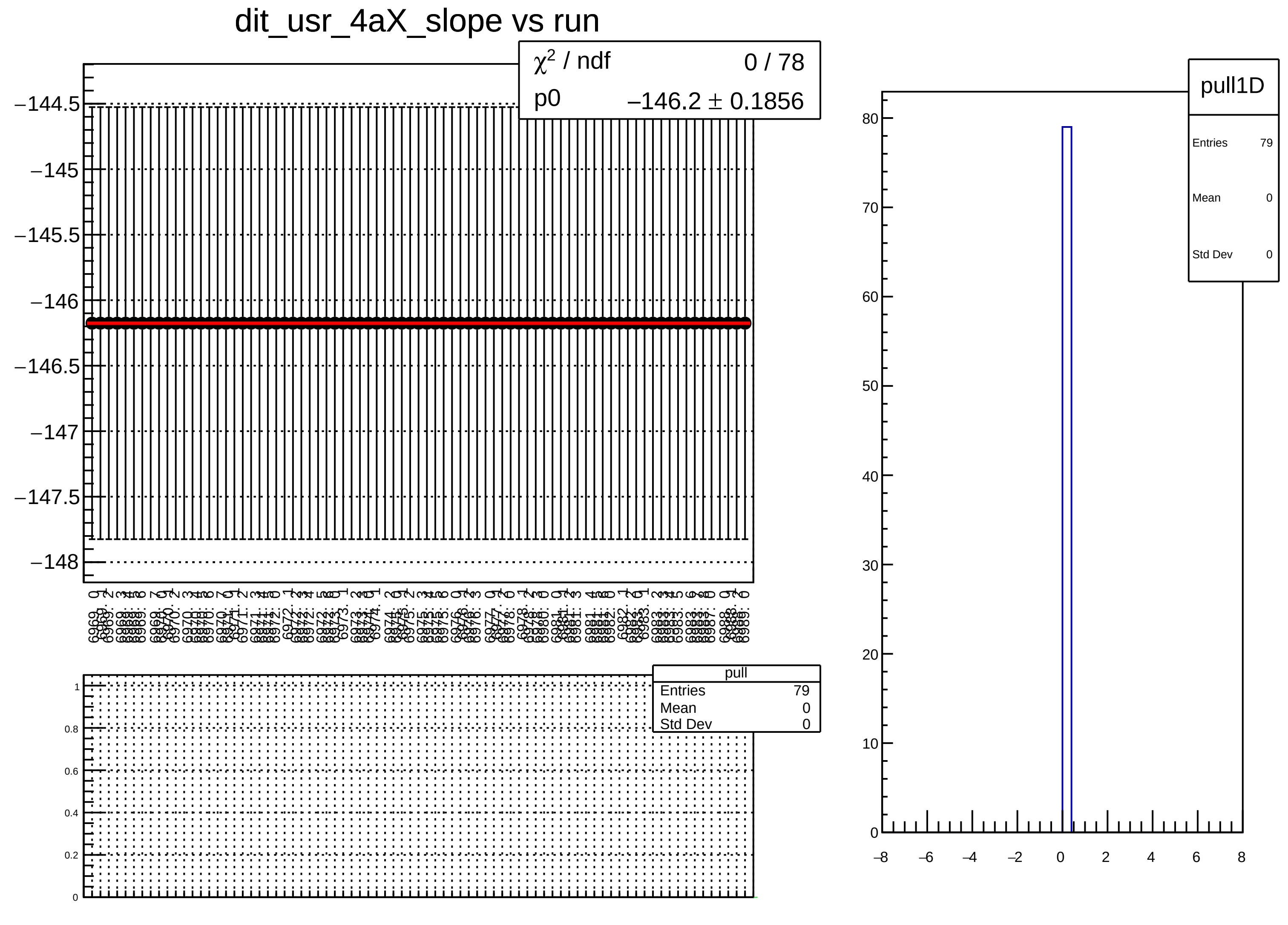
dit_usl_11X12X_slope vs run
χ^2 / ndf 3.326e−25 / 78
p0 −40.86 ± 0.0616
−40.4
−40.6
−40.8
−41
−41.2
−41.4
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −6.489e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



dit_usl_4aY_slope vs run
χ^2 / ndf 8.302e−29 / 78
p0 2.705 ± 0.04874
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.025e−15
Std Dev4.185e−23

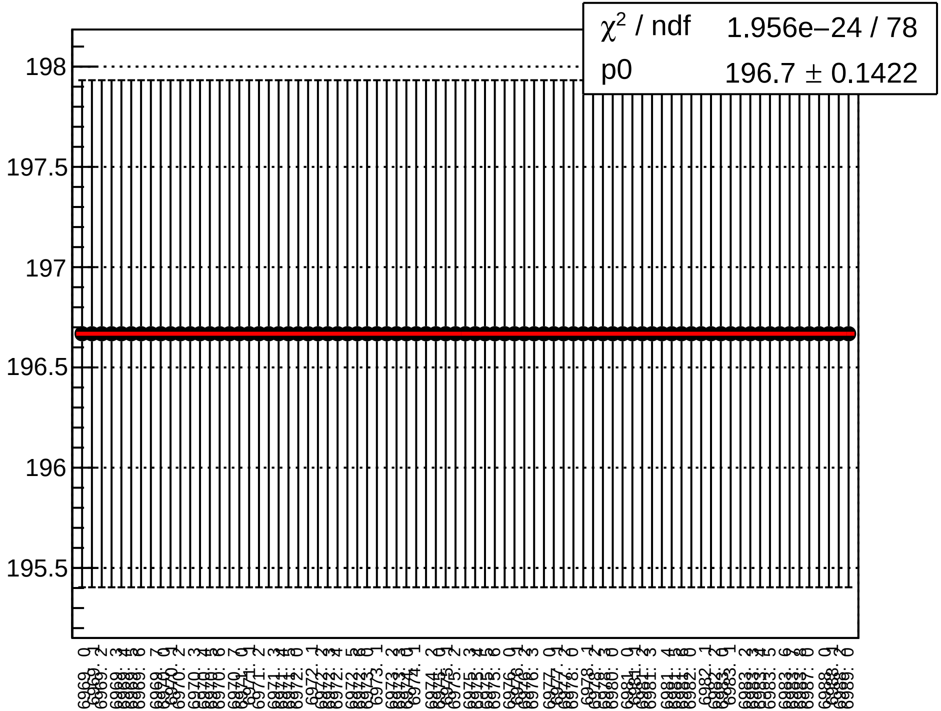


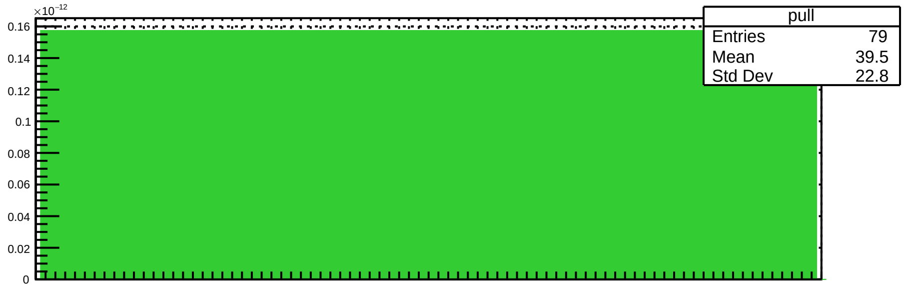
dit_usl_4eY_slope vs run
χ^2 / ndf 2.366e−25 / 78
p0 18.61 ± 0.05112
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 5.473e−14
Std Dev 3.594e−21

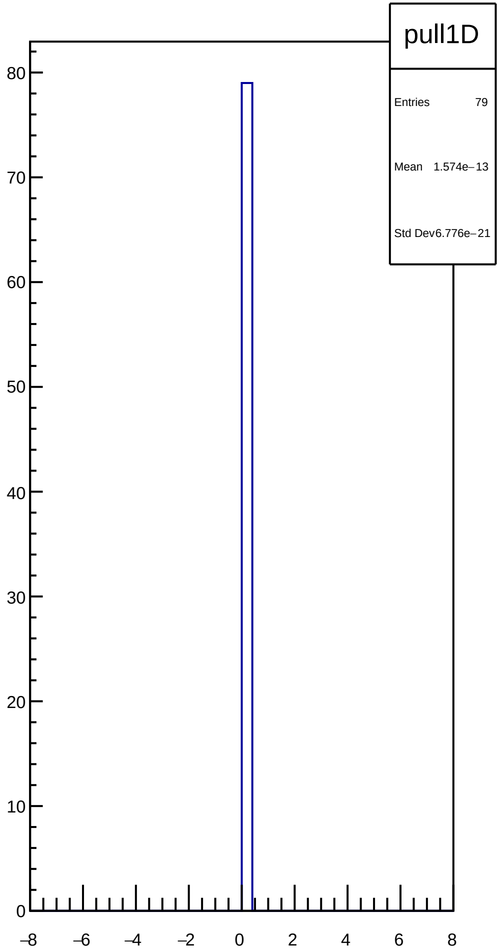


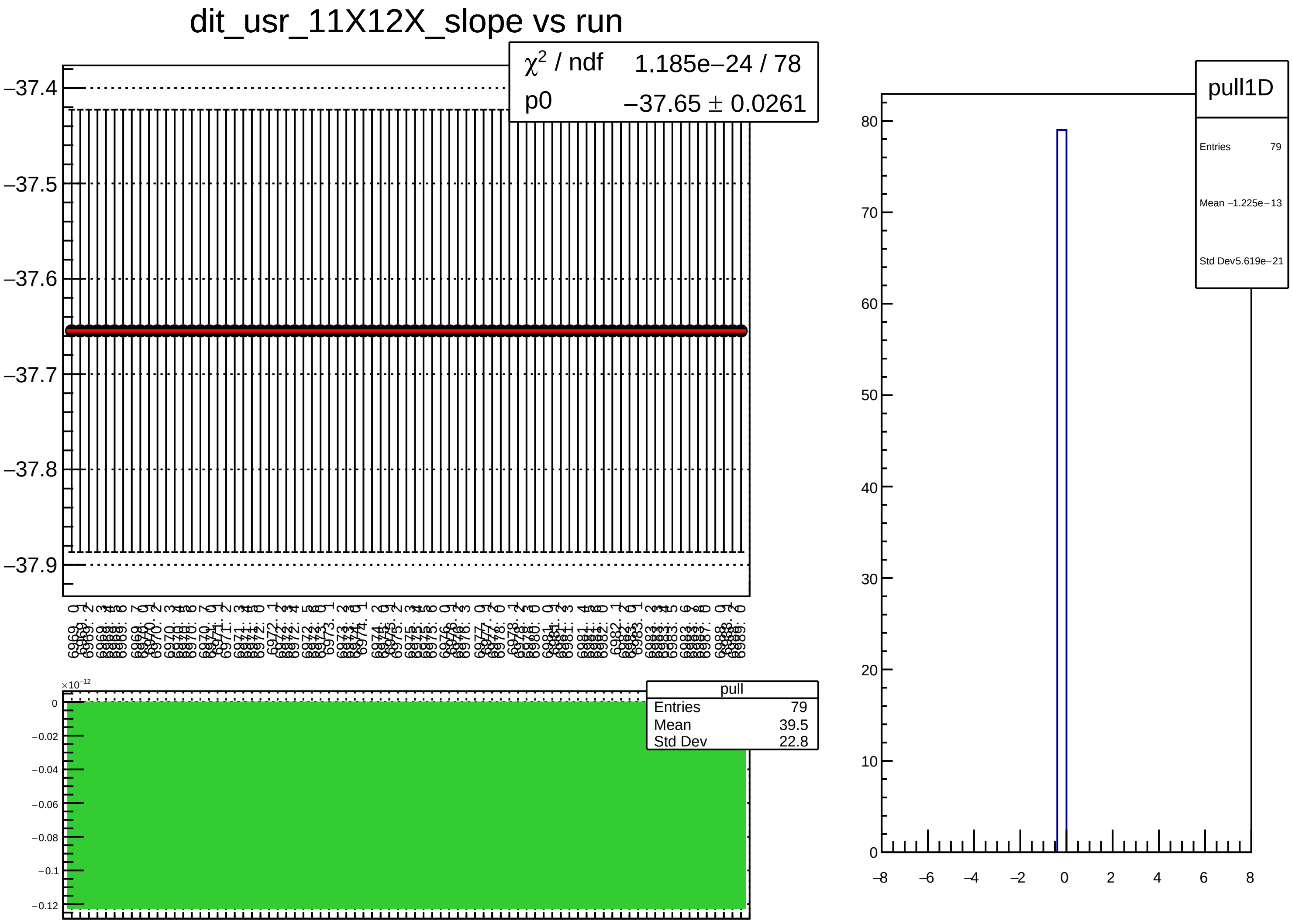
dit_usr_4aX_slope vs run
χ^2 / ndf 0 / 78
p0 −146.2 ± 0.1856
pull
Entries 79
Mean 0
Std Dev 0
pull1D
Entries 79
Mean 0
Std Dev 0

dit_usr_4eX_slope vs run

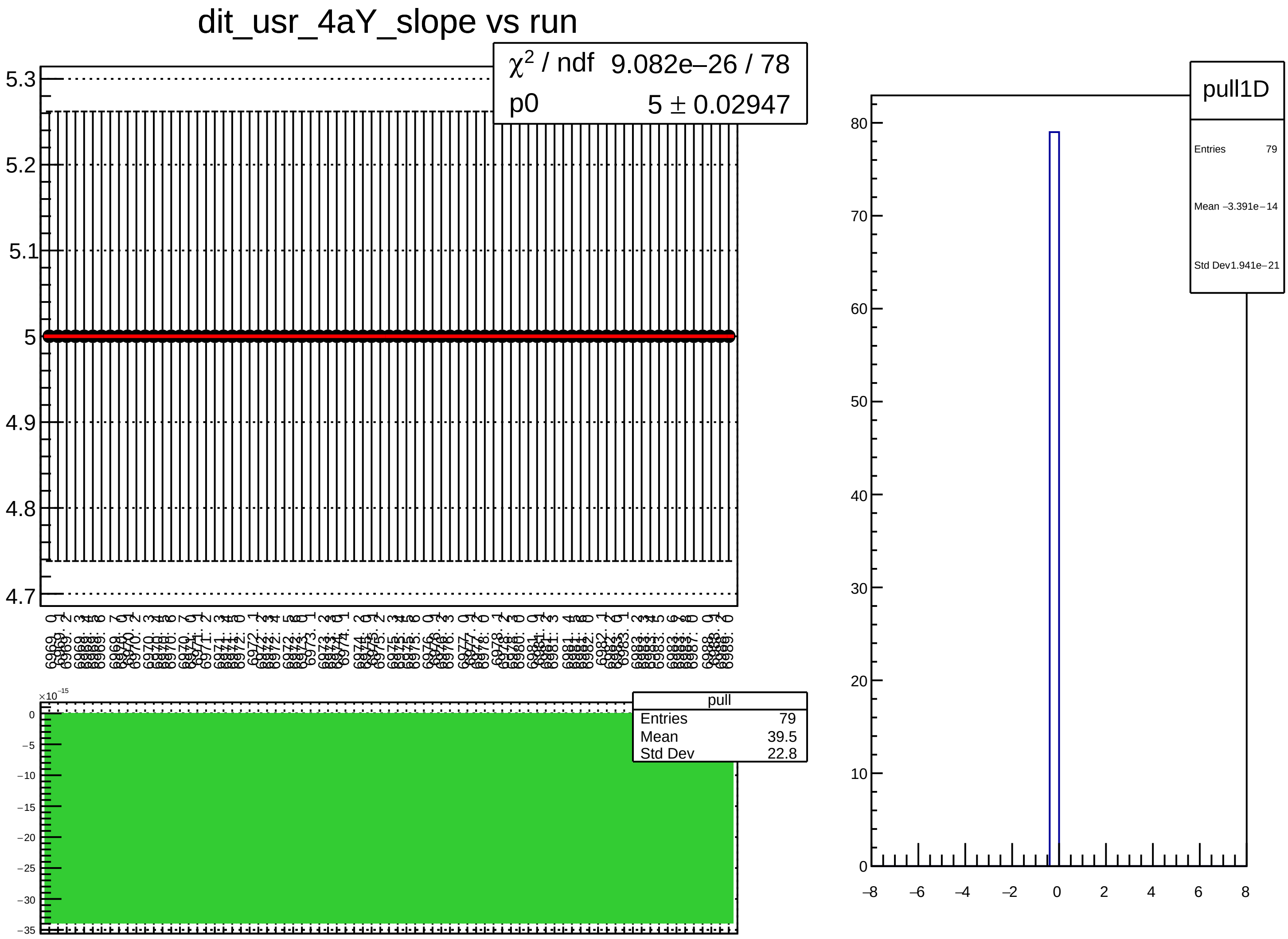




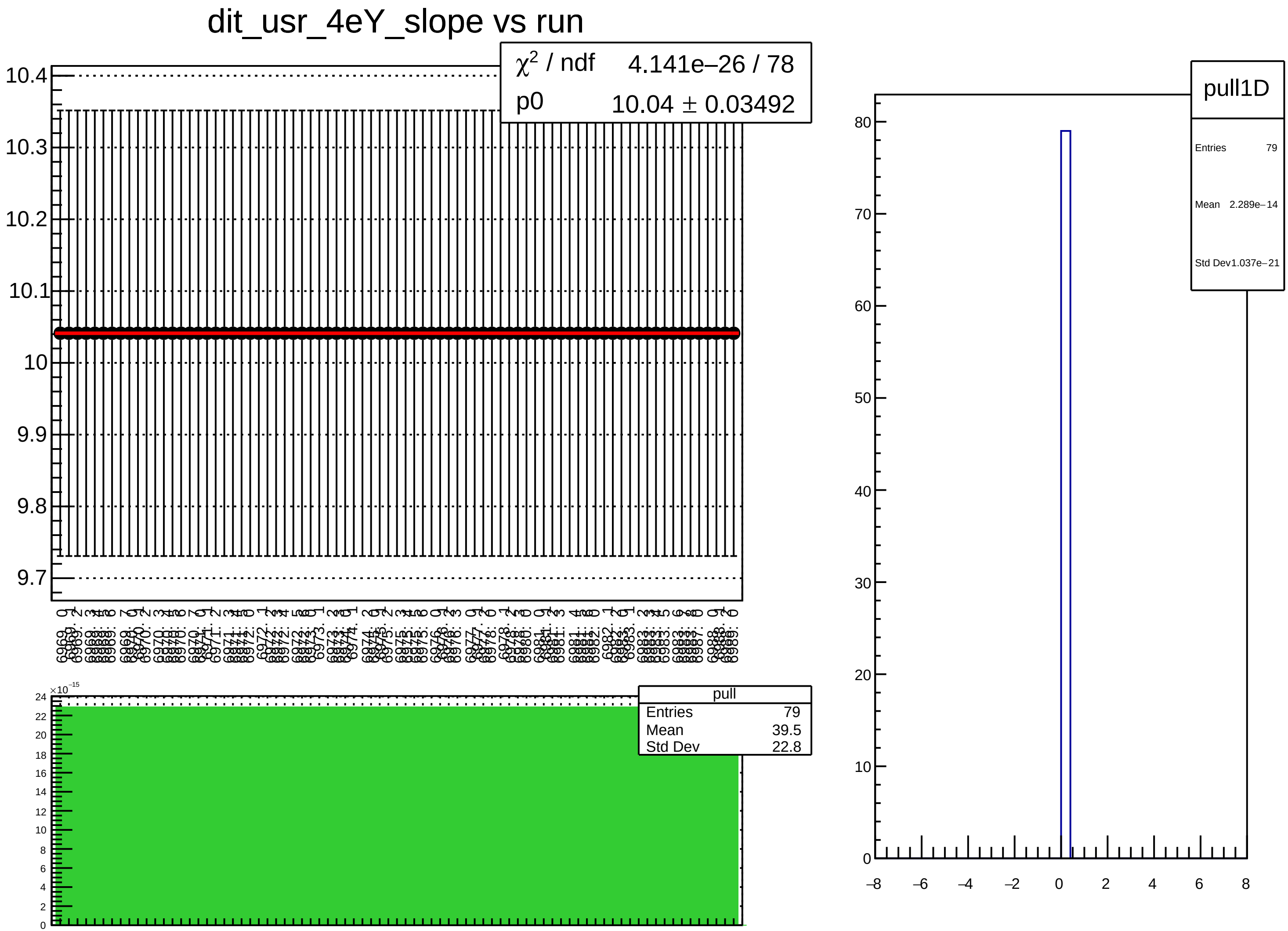




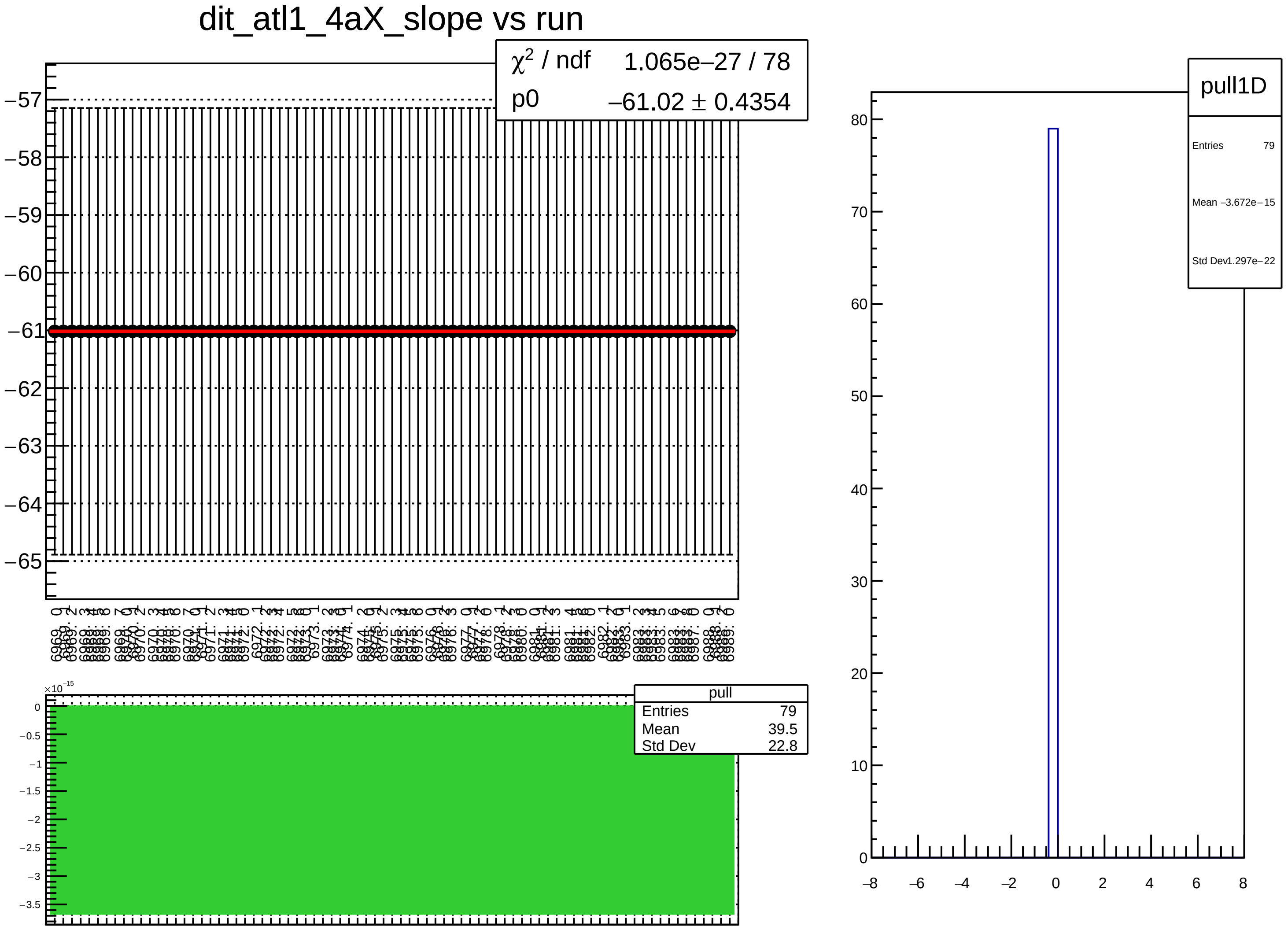
dit_usr_11X12X_slope vs run
χ2 / ndf 1.185e−24 / 78
p0 −37.65 ± 0.0261
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −1.225e−13
Std Dev 5.619e−21



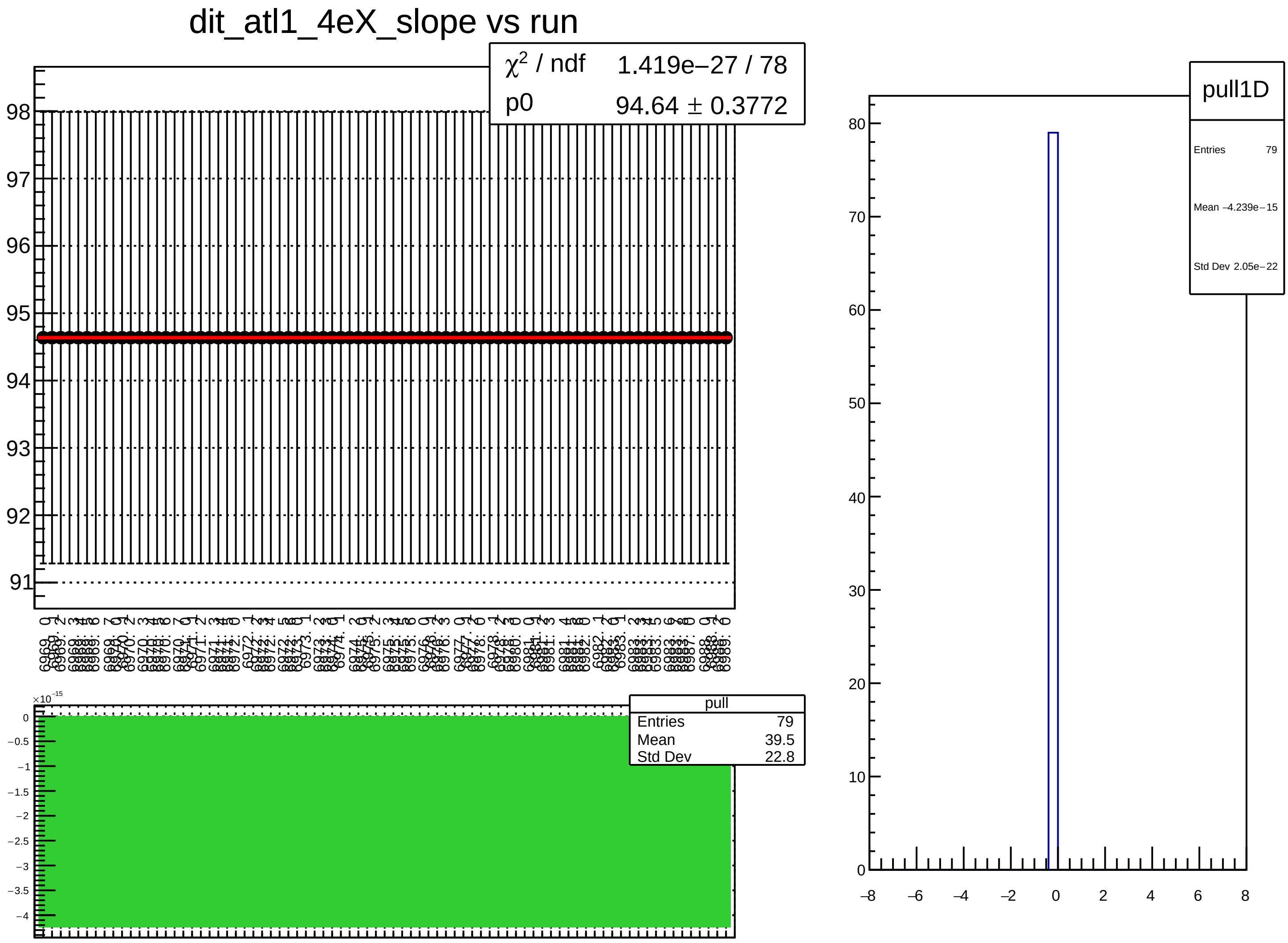
dit_usr_4aY_slope vs run
χ^2 / ndf 9.082e−26 / 78
p0 5 ± 0.02947
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −3.391e−14
Std Dev 1.941e−21



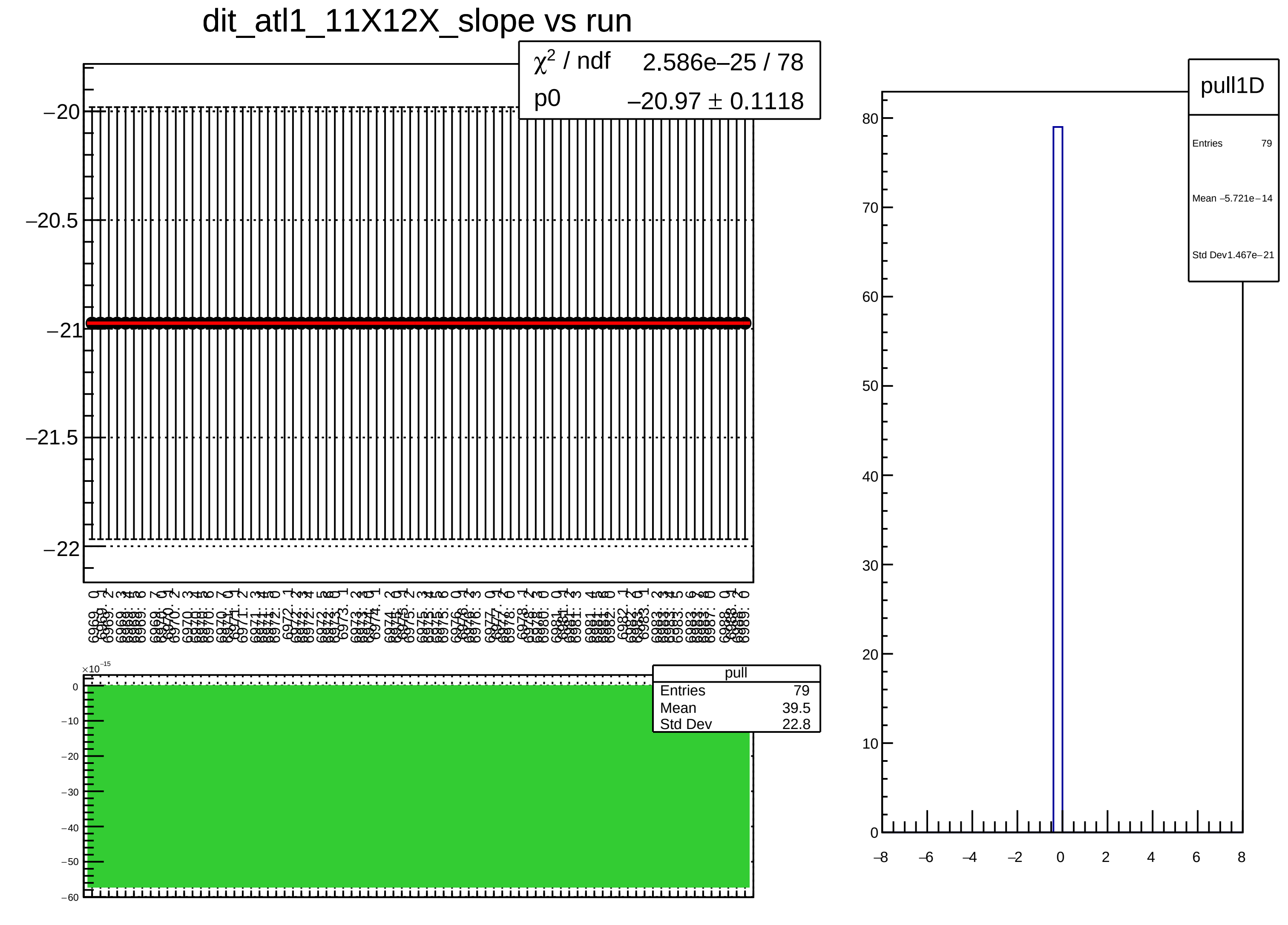
dit_usr_4eY_slope vs run
χ^2 / ndf 4.141e−26 / 78
p0 10.04 ± 0.03492
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 2.289e−14
Std Dev 1.037e−21



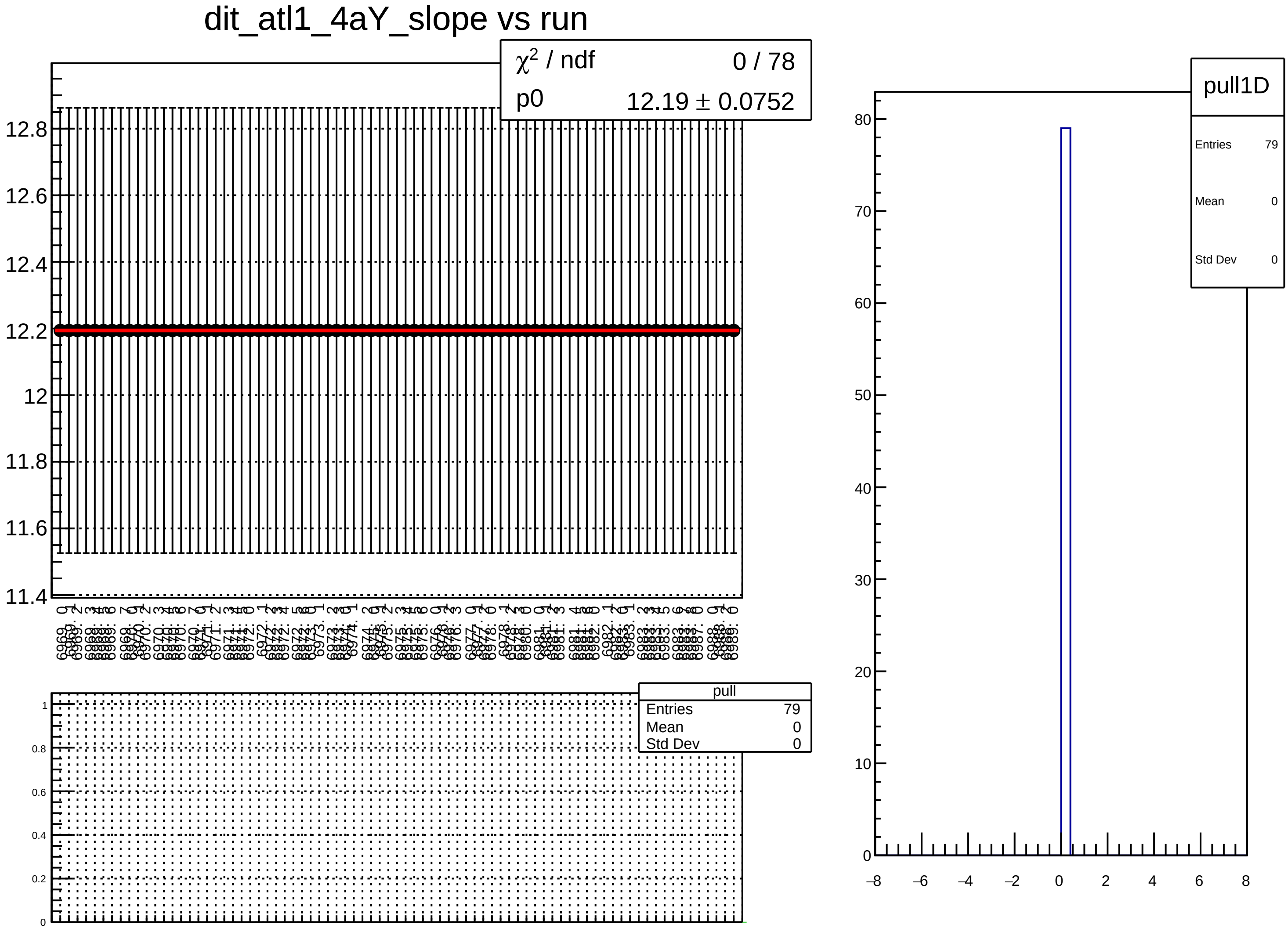
dit_atl1_4aX_slope vs run
χ^2 / ndf 1.065e−27 / 78
p0 −61.02 ± 0.4354
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −3.672e−15
Std Dev 1.297e−22



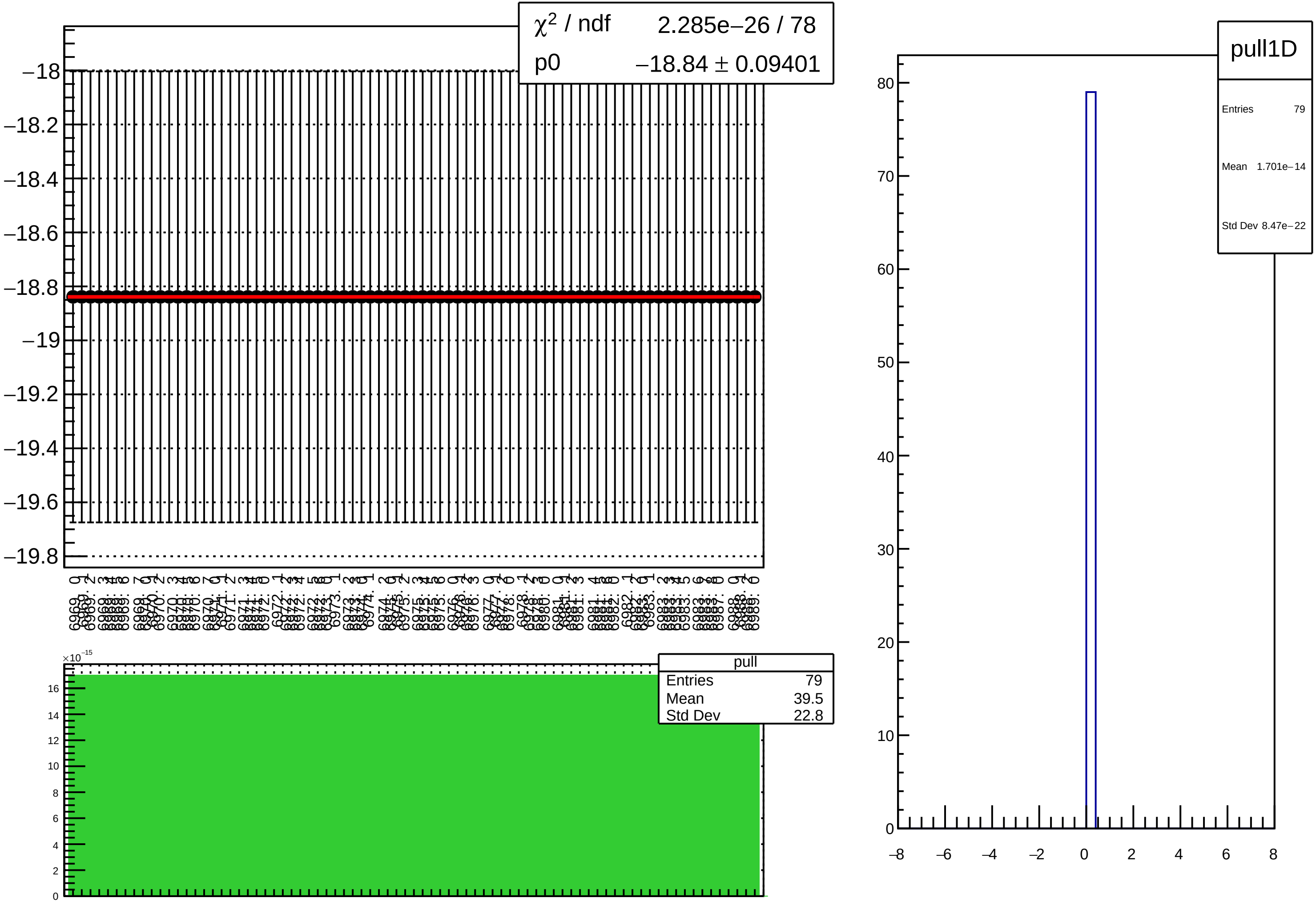
dit_atl1_4eX_slope vs run
χ2 / ndf 1.419e−27 / 78
p0 94.64 ± 0.3772
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −4.239e−15
Std Dev 2.05e−22

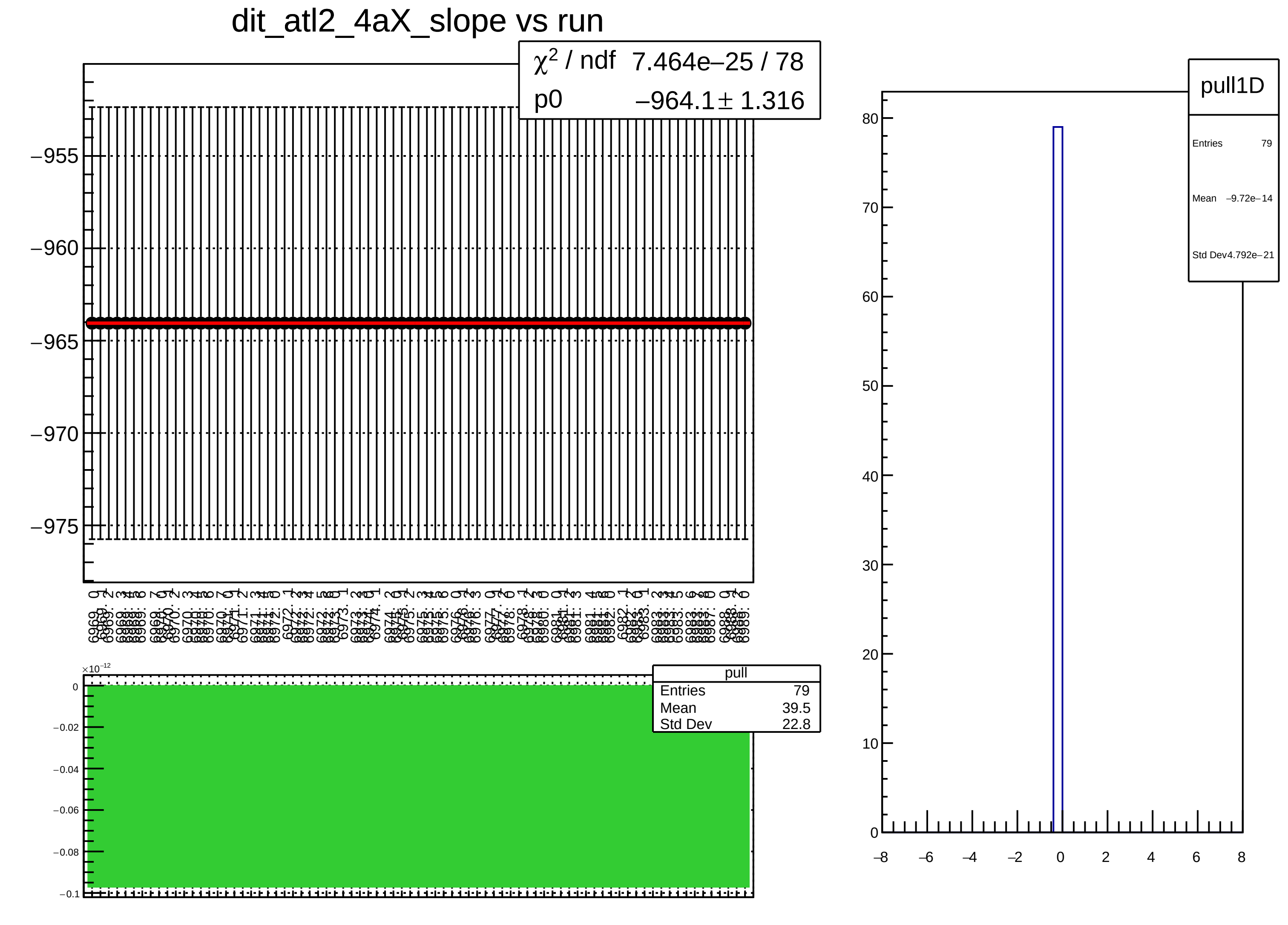


dit_atl1_11X12X_slope vs run
χ2 / ndf 2.586e−25 / 78
p0 −20.97 ± 0.1118
−20
−20.5
−21
−21.5
−22
×10−15
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −5.721e−14
Std Dev 1.467e−21

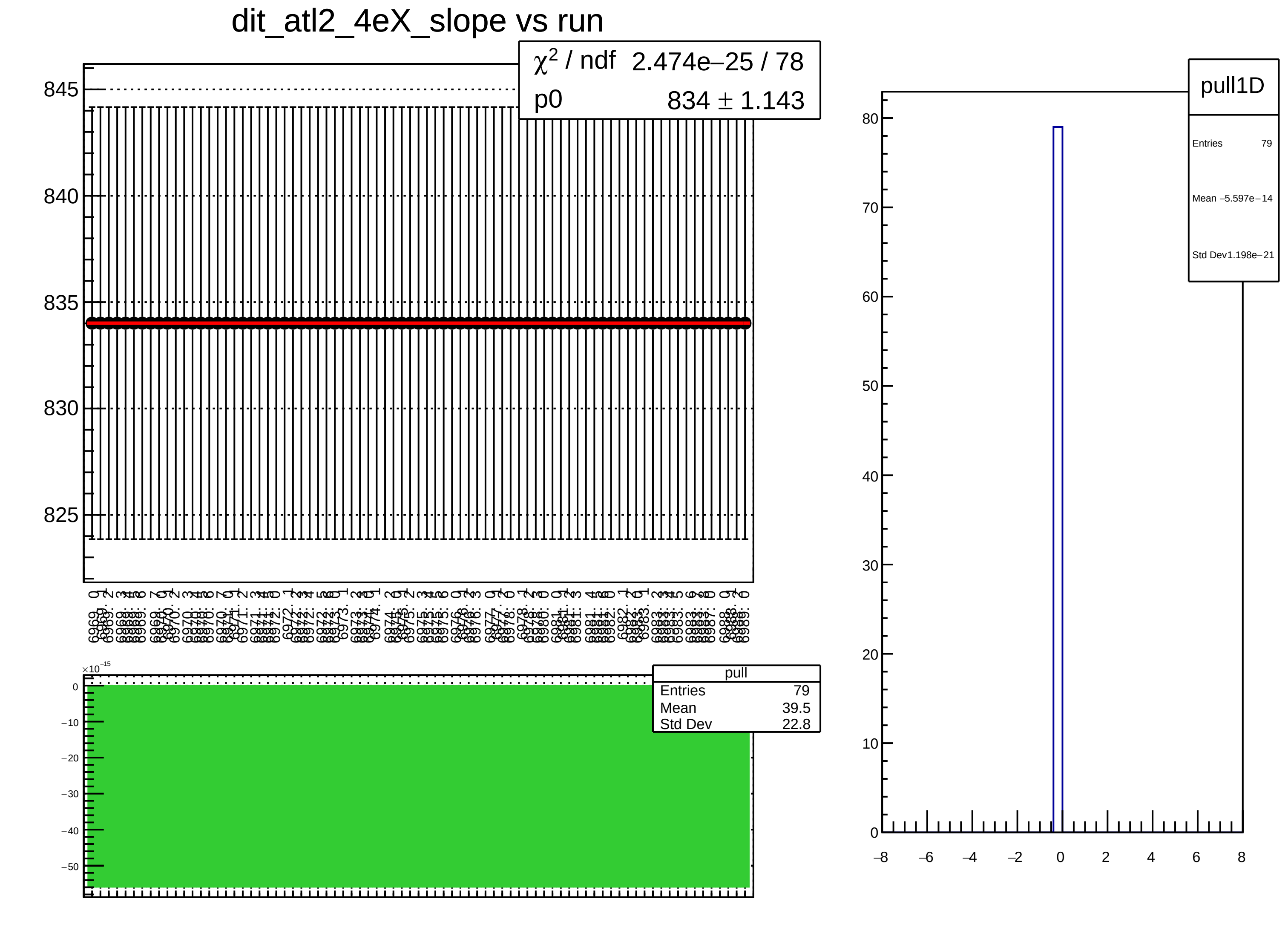

dit_atl1_4aY_slope vs run
χ^2 / ndf 0 / 78
p0 12.19 ± 0.0752
pull
Entries 79
Mean 0
Std Dev 0
pull1D
Entries 79
Mean 0
Std Dev 0

dit_atl1_4eY_slope vs run

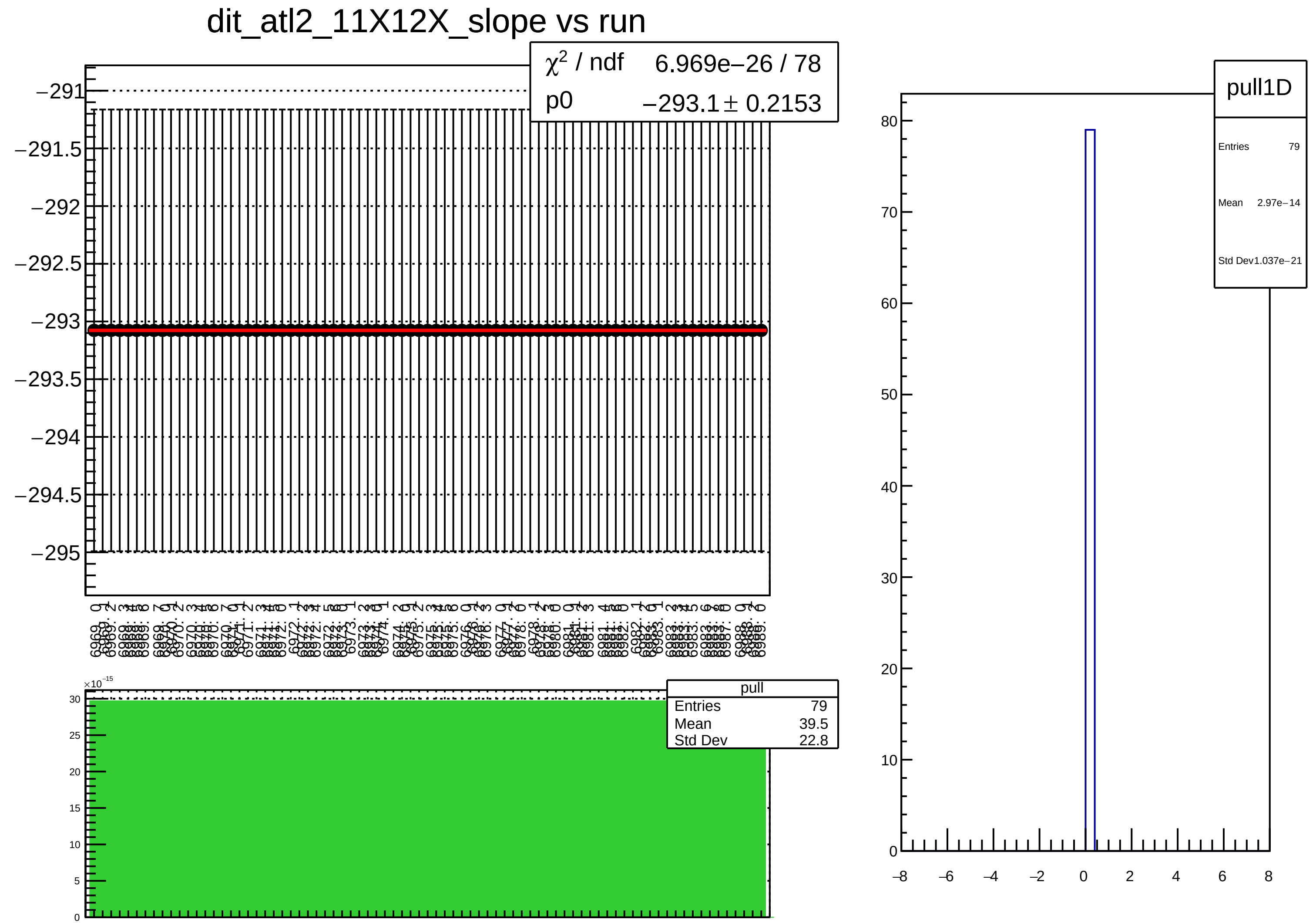




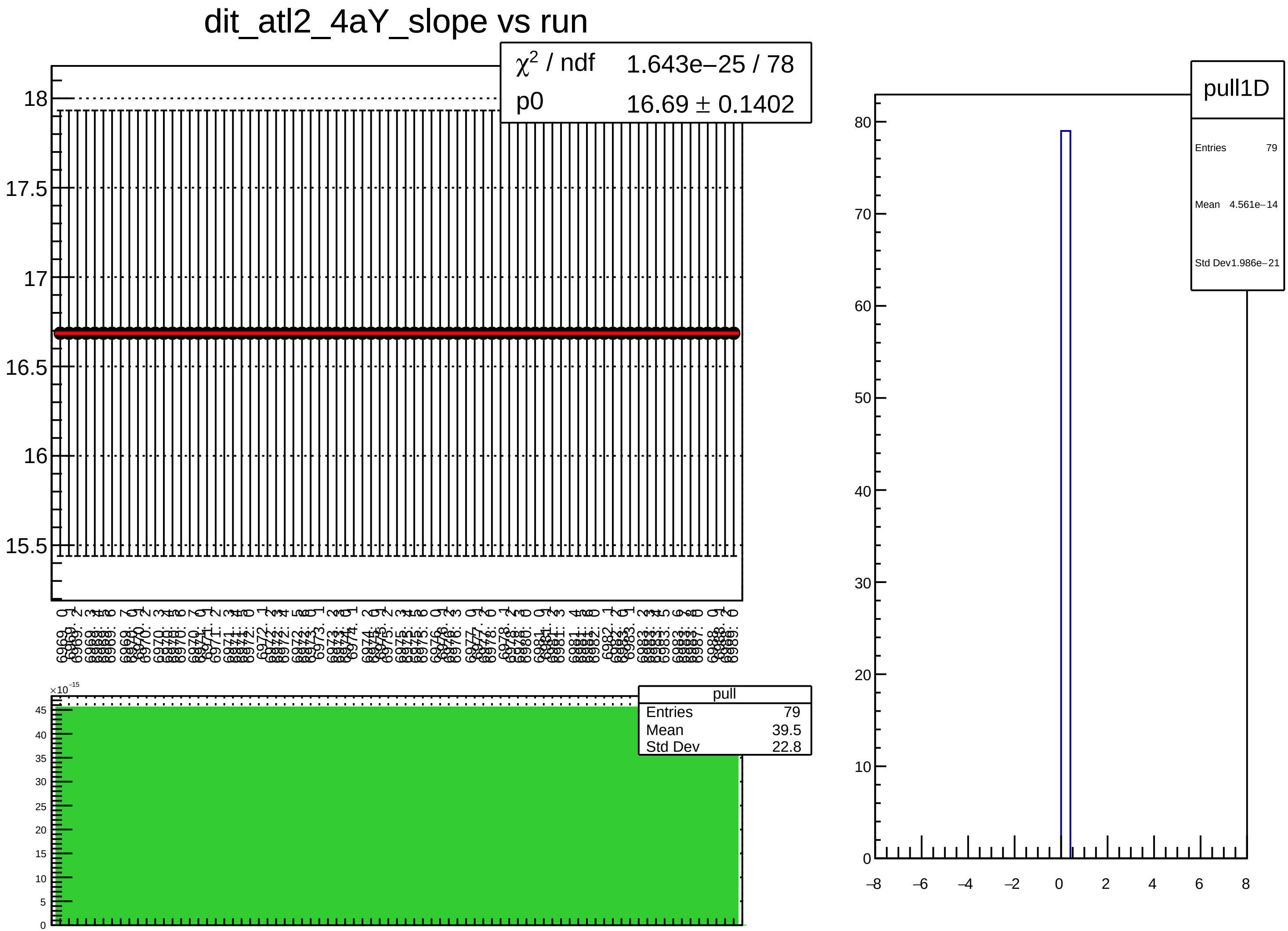
dit_atl2_4aX_slope vs run
χ2 / ndf 7.464e−25 / 78
p0 −964.1 ± 1.316
−955
−960
−965
−970
−975
×10−12
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −9.72e−14
Std Dev 4.792e−21



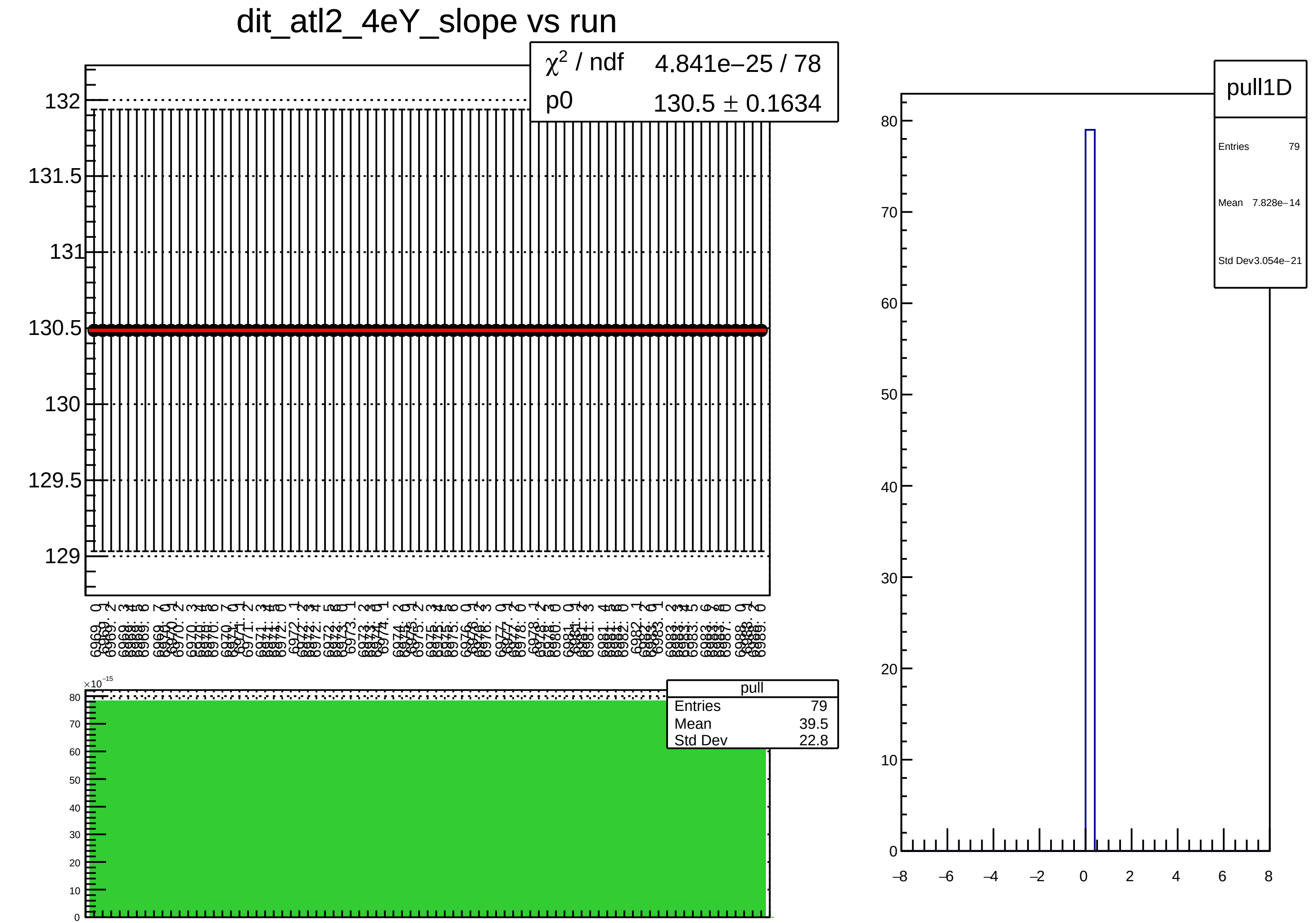
dit_atl2_4eX_slope vs run
χ^2 / ndf 2.474e−25 / 78
p0 834 ± 1.143
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −5.597e−14
Std Dev 1.198e−21



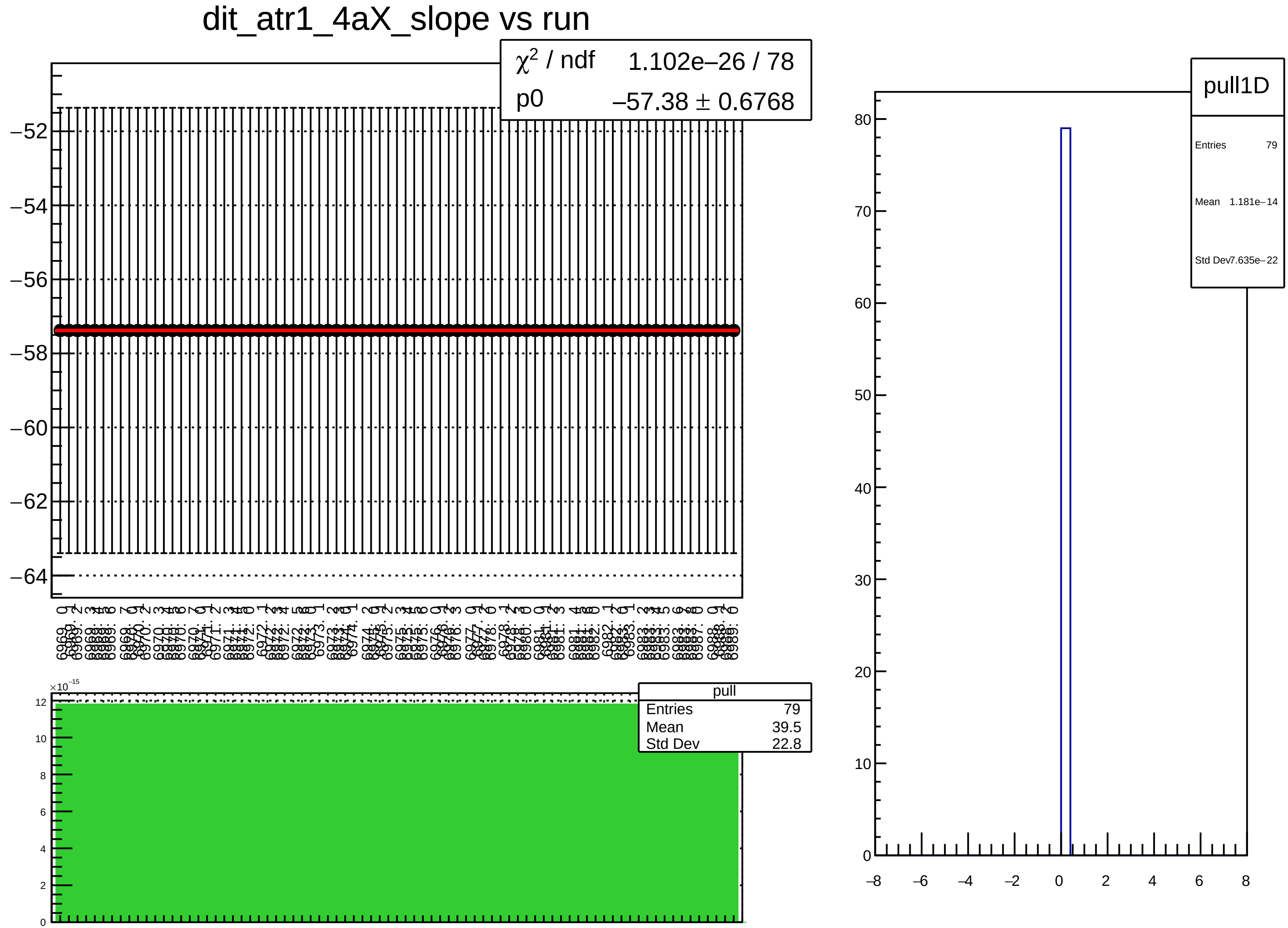
dit_atl2_11X12X_slope vs run
χ2 / ndf 6.969e−26 / 78
p0 −293.1 ± 0.2153
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 2.97e−14
Std Dev 1.037e−21



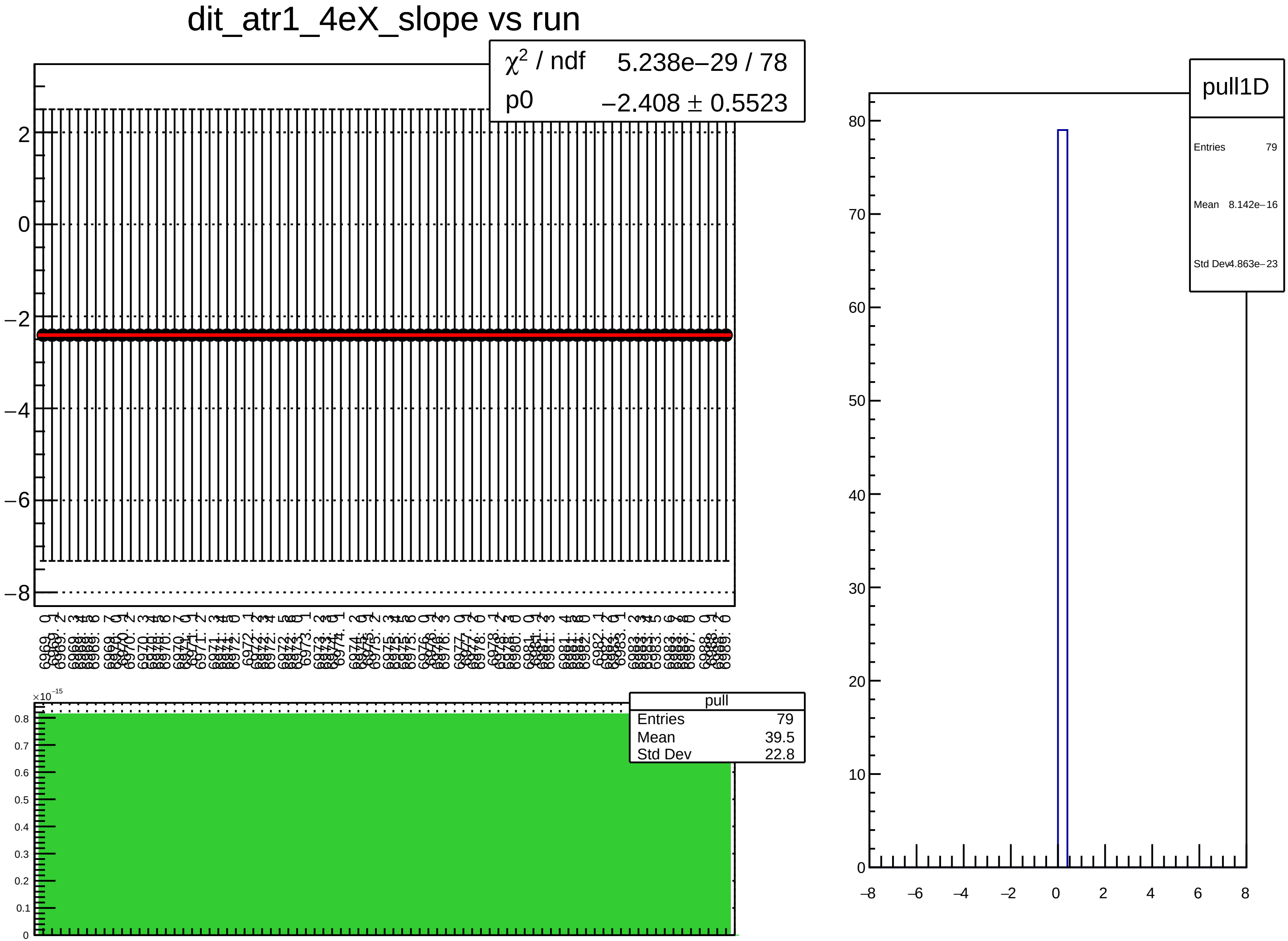
dit_atl2_4aY_slope vs run
χ2 / ndf 1.643e−25 / 78
p0 16.69 ± 0.1402
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 4.561e−14
Std Dev1.986e−21



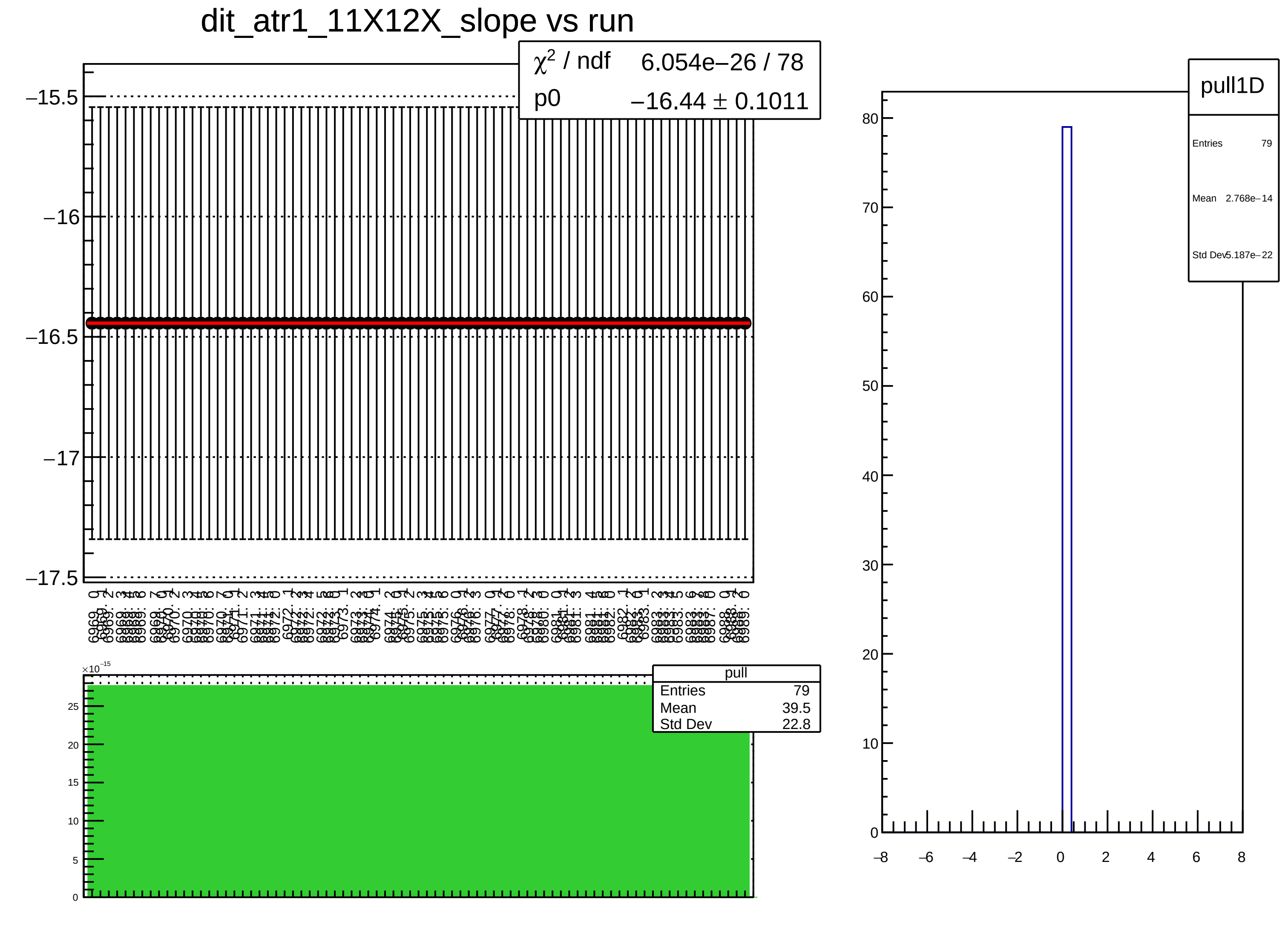
dit_atl2_4eY_slope vs run
χ2 / ndf 4.841e−25 / 78
p0 130.5 ± 0.1634
pull
Entries 79
Mean 39.5
Std Dev 22.8
×10−15
pull1D
Entries 79
Mean 7.828e−14
Std Dev 3.054e−21



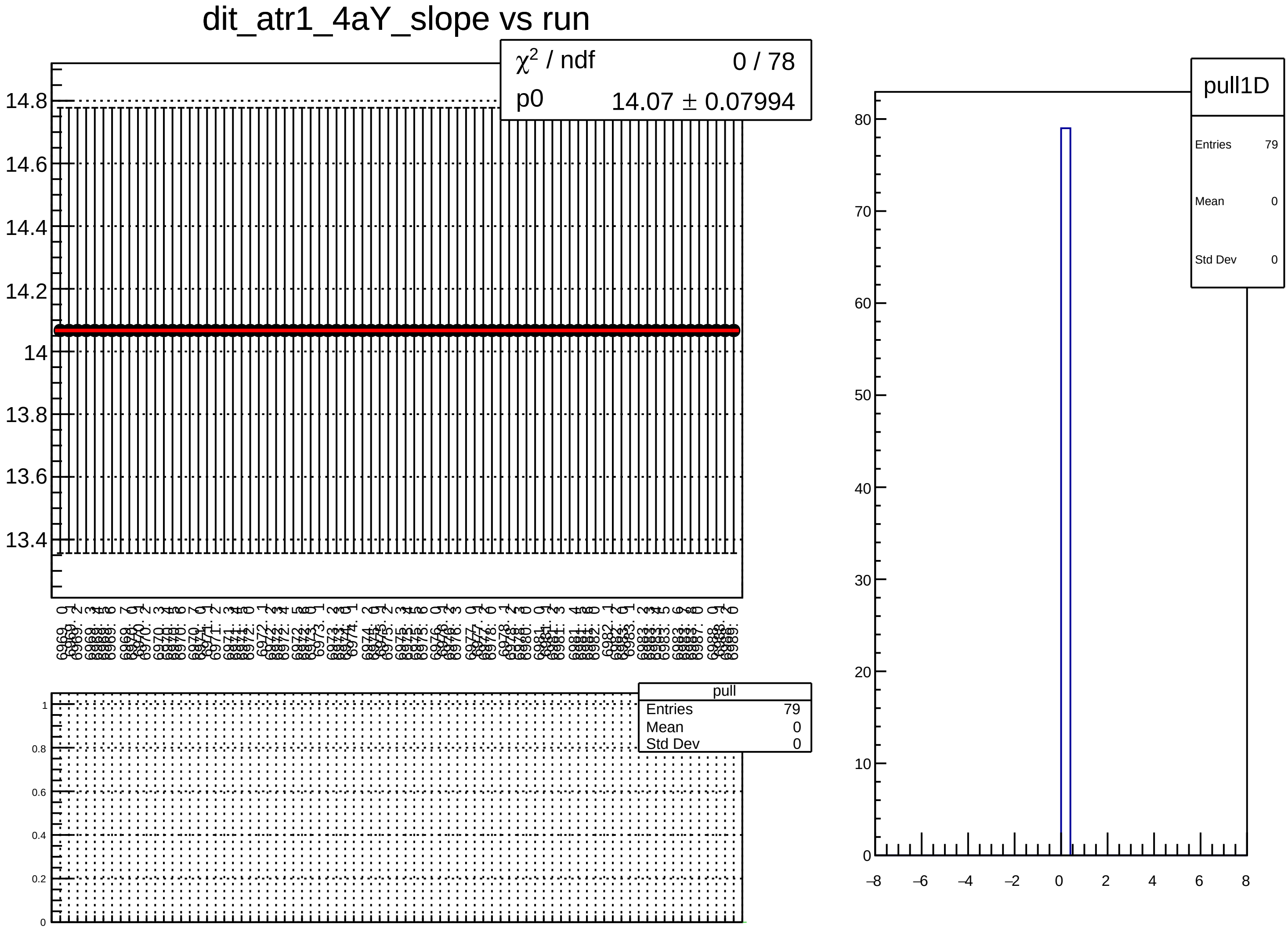
dit_atr1_4aX_slope vs run
χ^2 / ndf 1.102e−26 / 78
p0 −57.38 ± 0.6768
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.181e−14
Std Dev 7.635e−22



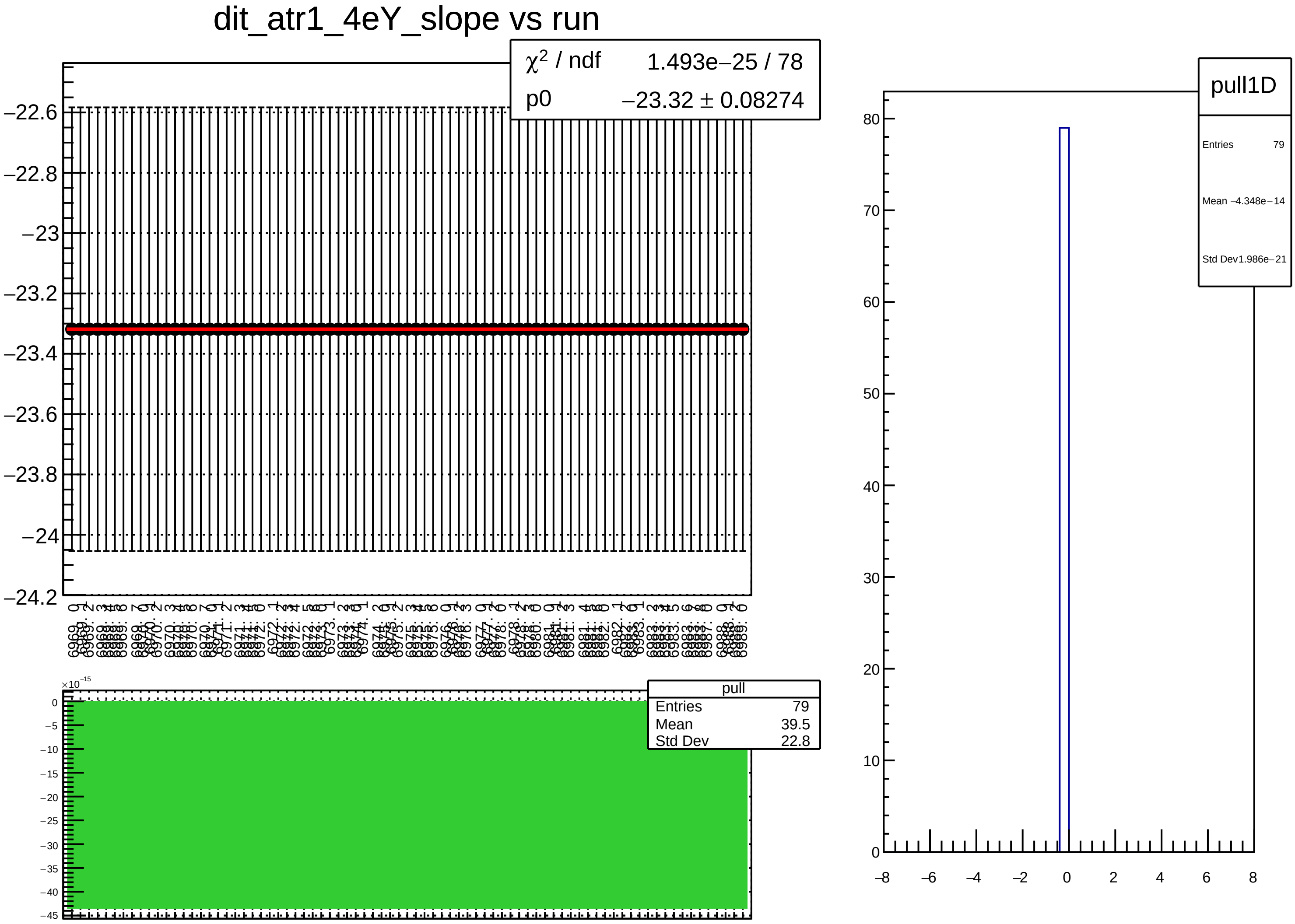
dit_atr1_4eX_slope vs run
χ^2 / ndf 5.238e−29 / 78
p0 −2.408 ± 0.5523
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 8.142e−16
Std Dev 4.863e−23



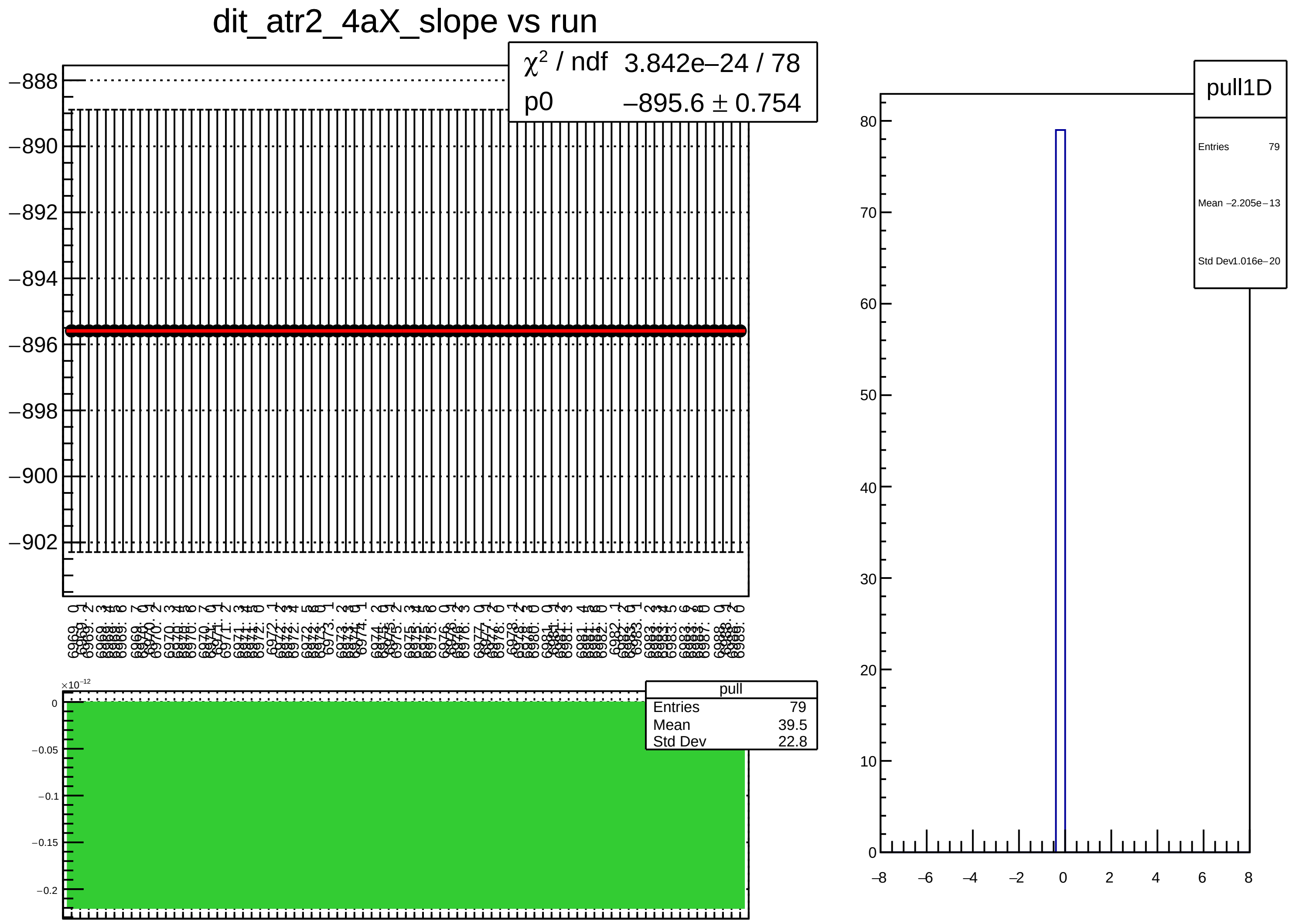
dit_atr1_11X12X_slope vs run
χ2 / ndf 6.054e−26 / 78
p0 −16.44 ± 0.1011
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 2.768e−14
Std Dev 5.187e−22

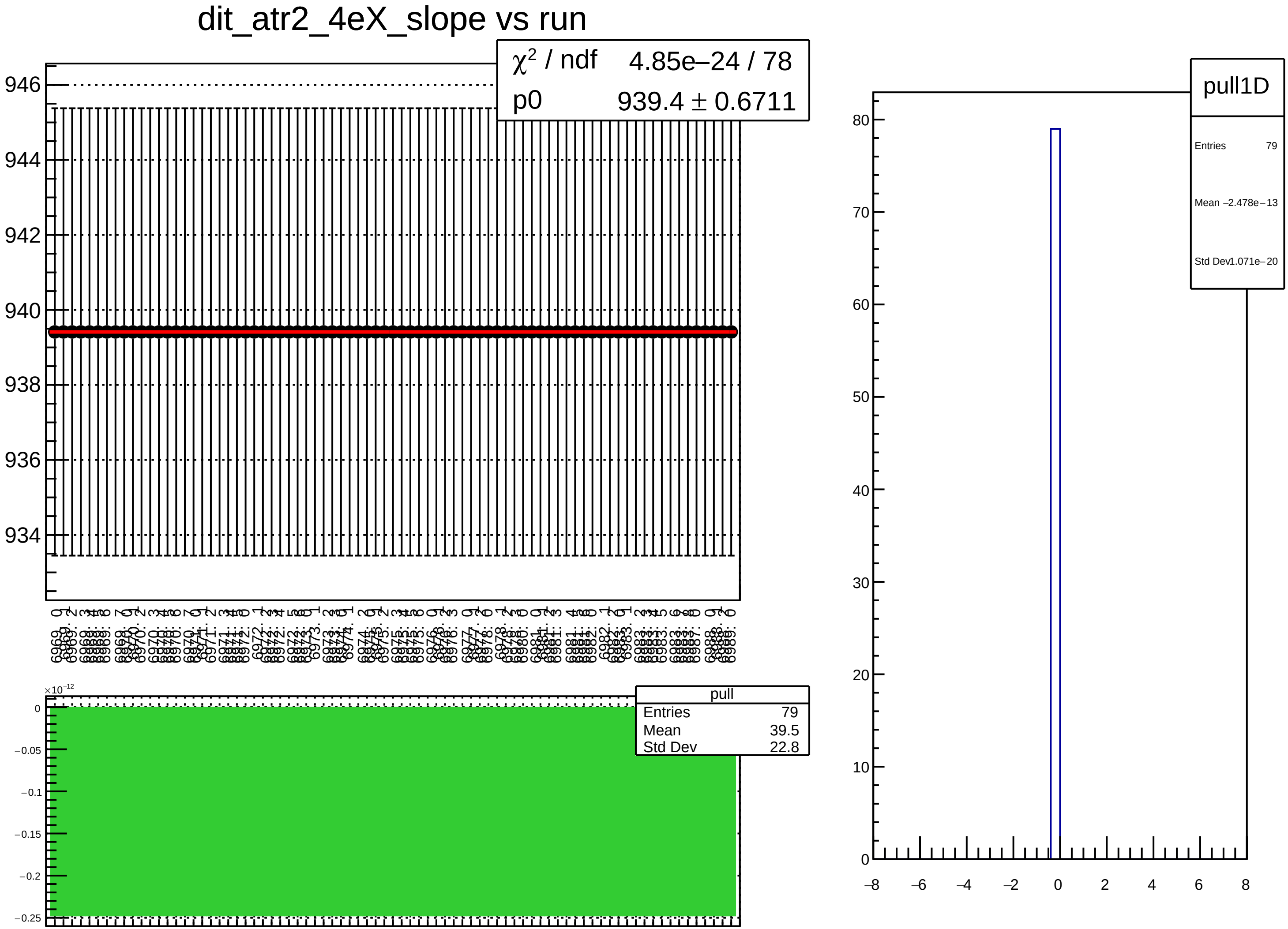


dit_atr1_4aY_slope vs run
χ^2 / ndf 0 / 78
p0 14.07 ± 0.07994
pull
Entries 79
Mean 0
Std Dev 0
pull1D
Entries 79
Mean 0
Std Dev 0

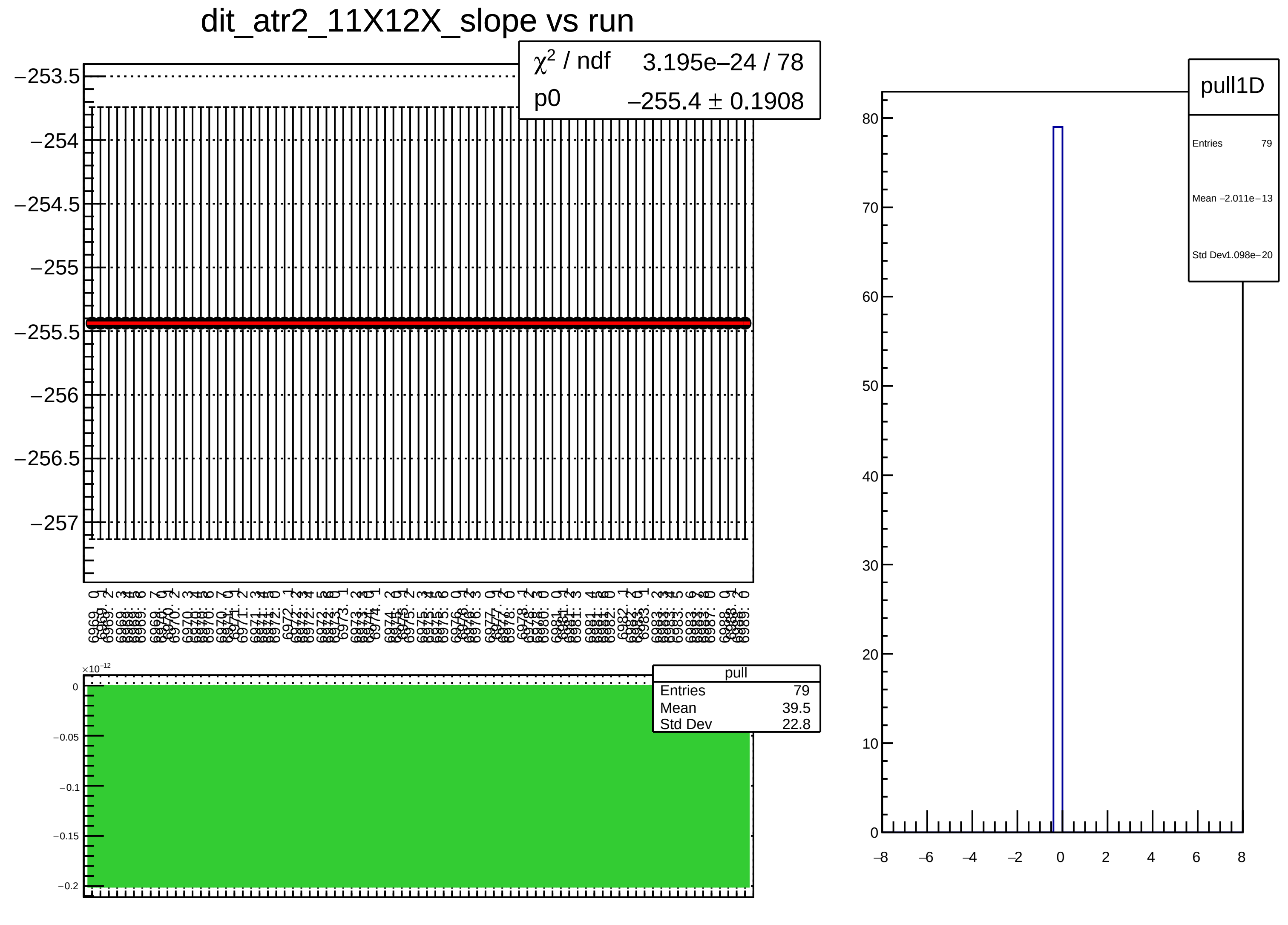


dit_atr1_4eY_slope vs run
χ^2 / ndf 1.493e−25 / 78
p0 −23.32 ± 0.08274
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −4.348e−14
Std Dev1.986e−21

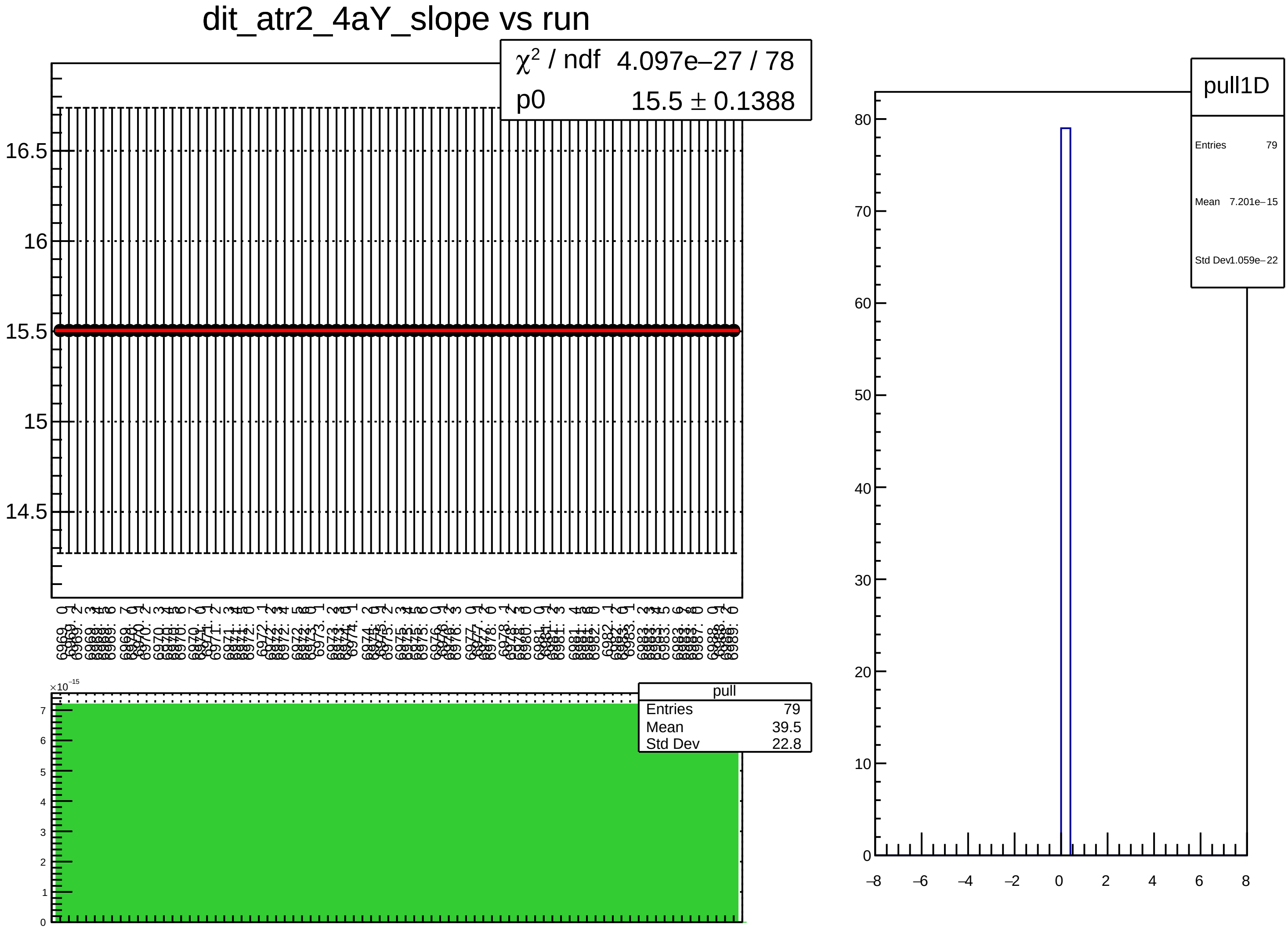

dit_atr2_4aX_slope vs run
χ^2 / ndf 3.842e−24 / 78
p0 −895.6 ± 0.754
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −2.205e−13
Std Dev1.016e−20



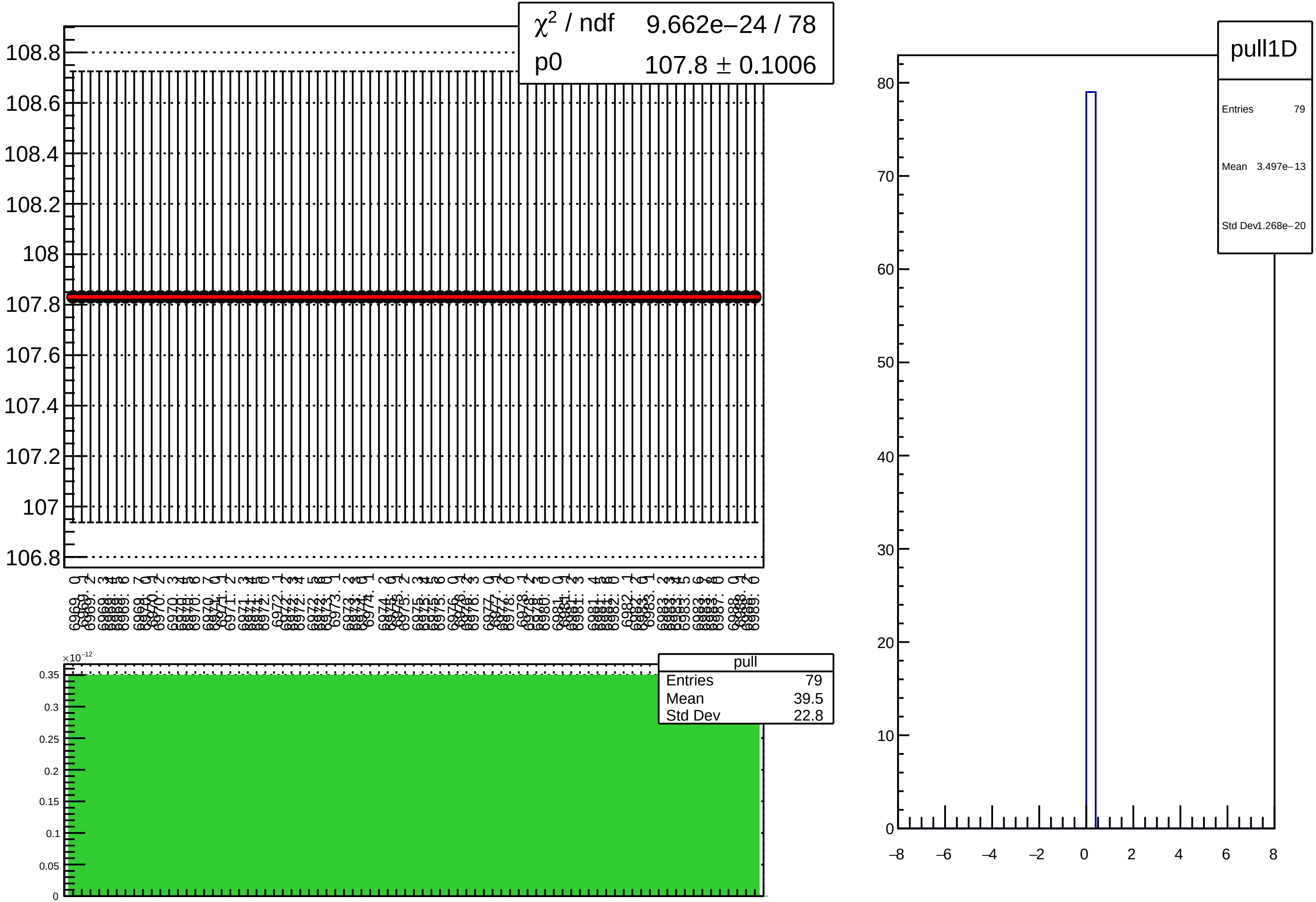
dit_atr2_4eX_slope vs run
χ2 / ndf 4.85e−24 / 78
p0 939.4 ± 0.6711
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −2.478e−13
Std Dev1.071e−20

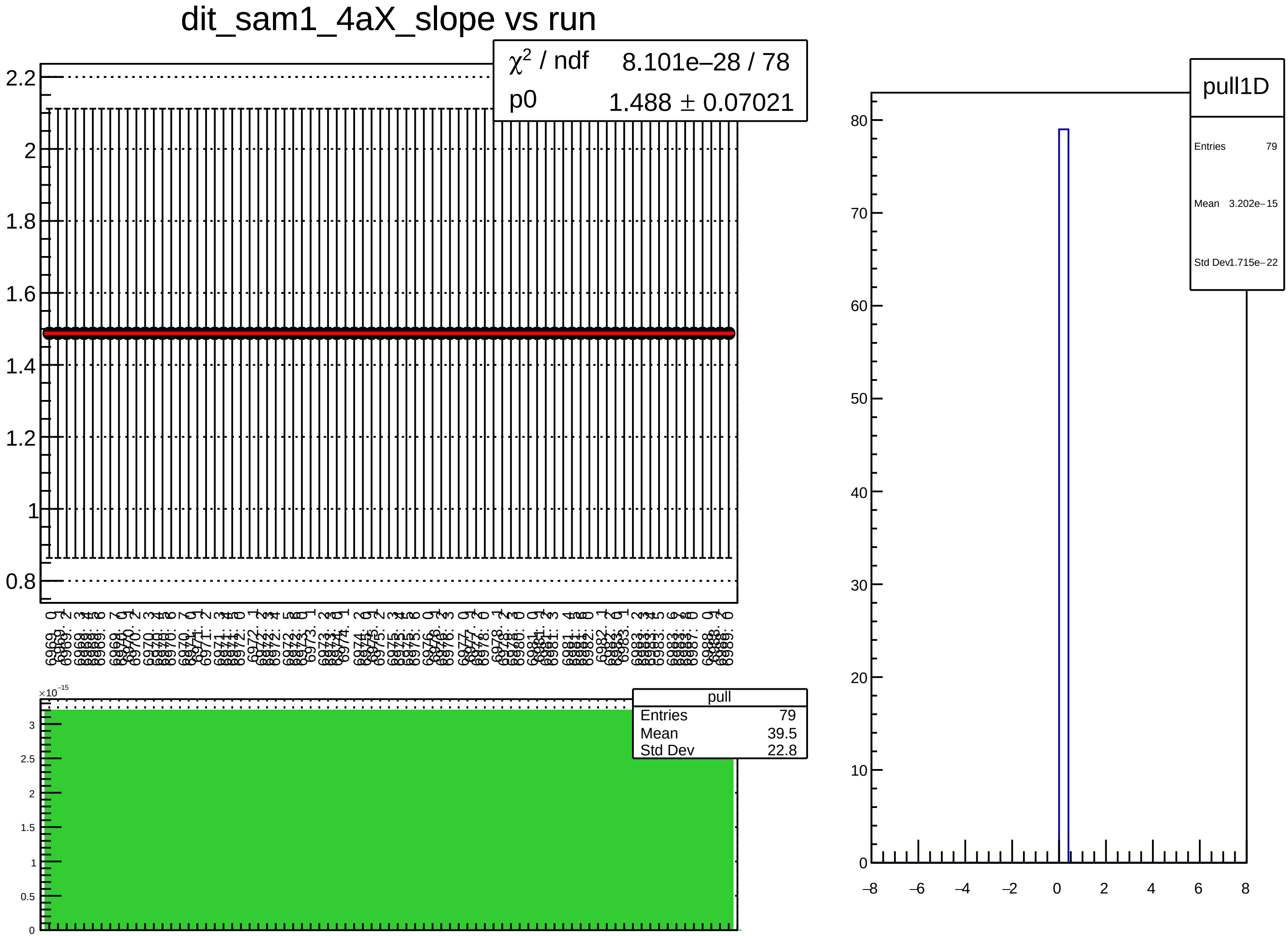


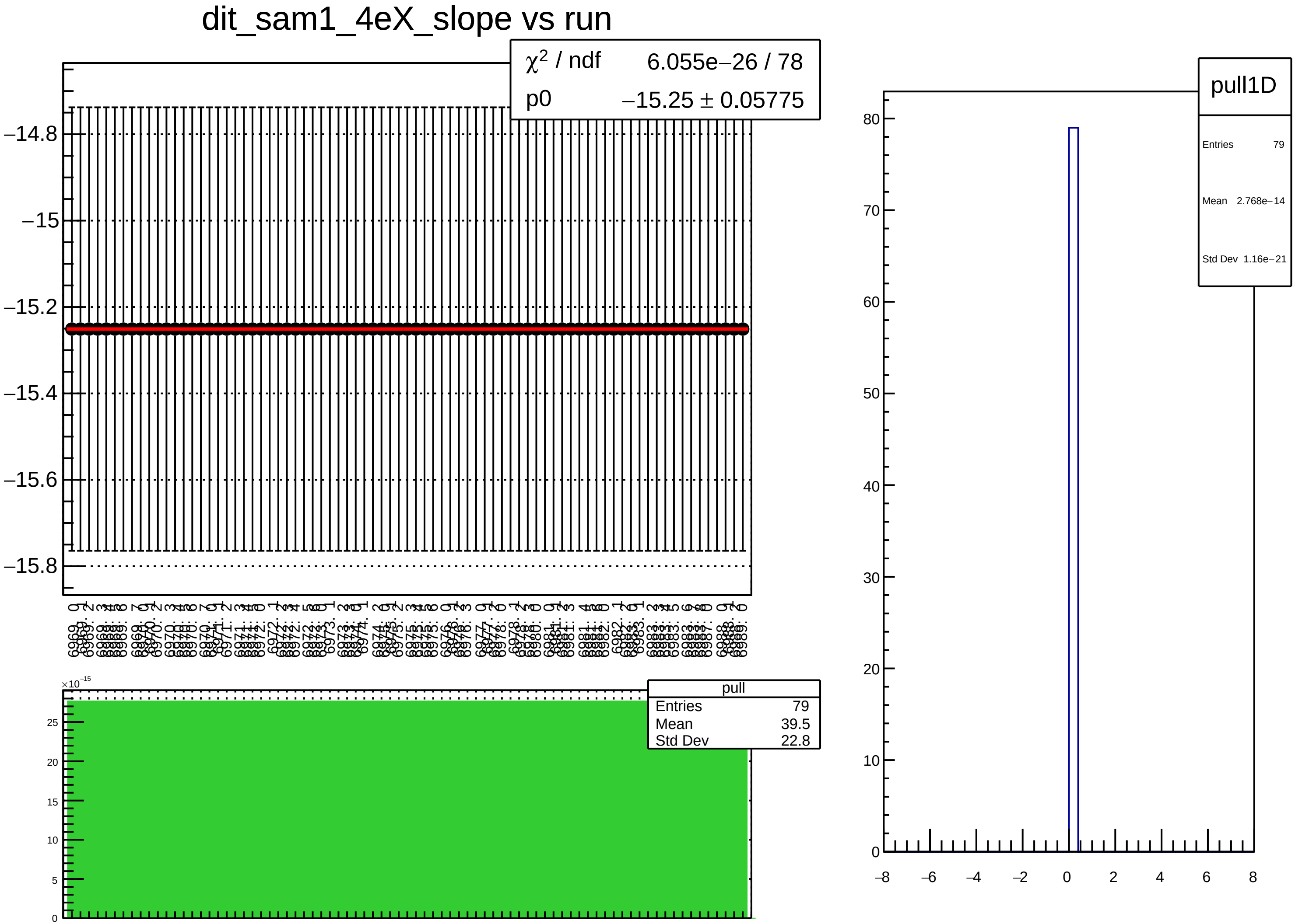
dit_atr2_11X12X_slope vs run
χ^2 / ndf 3.195e−24 / 78
p0 −255.4 ± 0.1908
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −2.011e−13
Std Dev1.098e−20

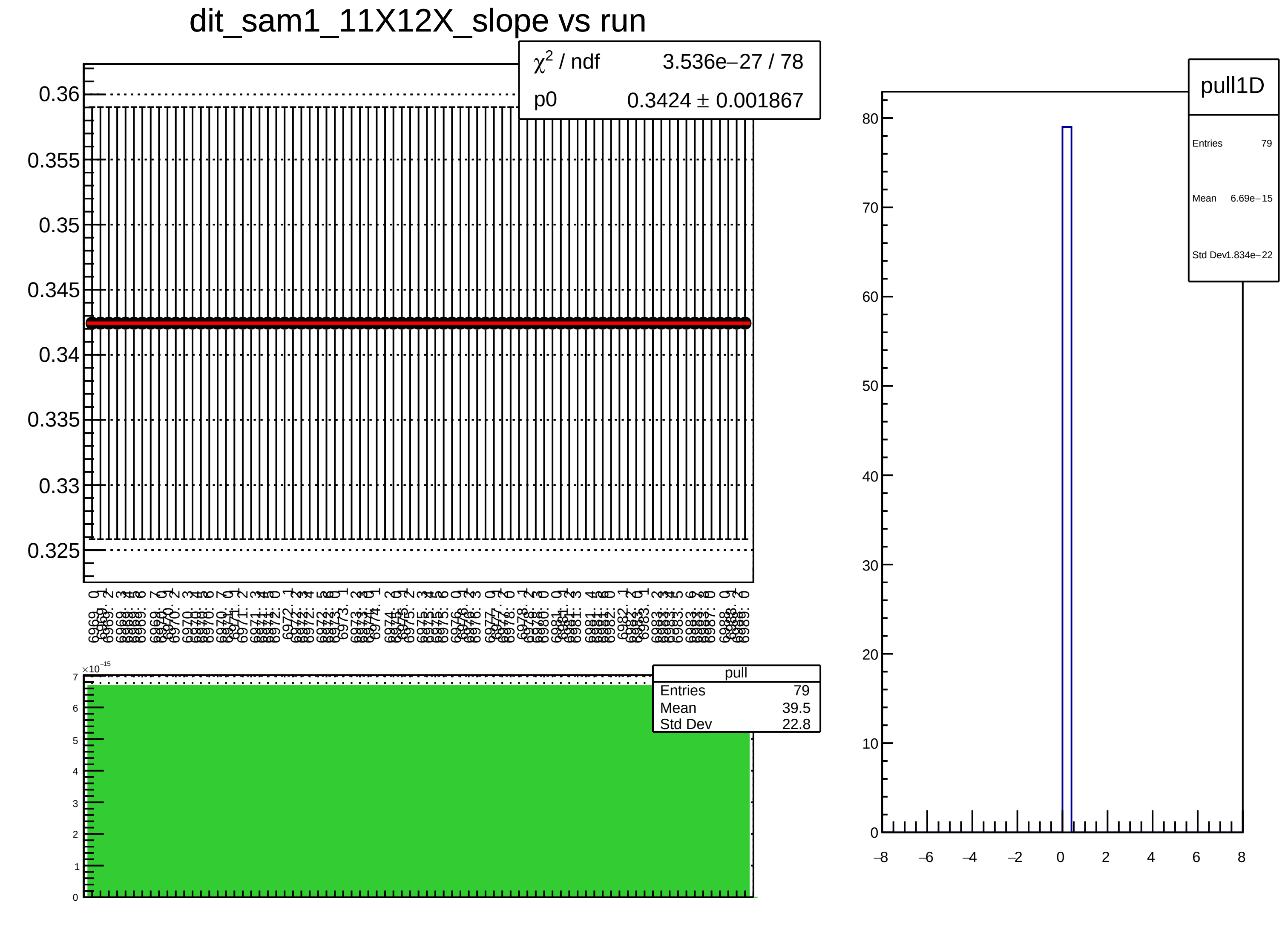

dit_atr2_4aY_slope vs run
χ² / ndf 4.097e−27 / 78
p0 15.5 ± 0.1388
16.5
16
15.5
15
14.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 7.201e−15
Std Dev 1.059e−22

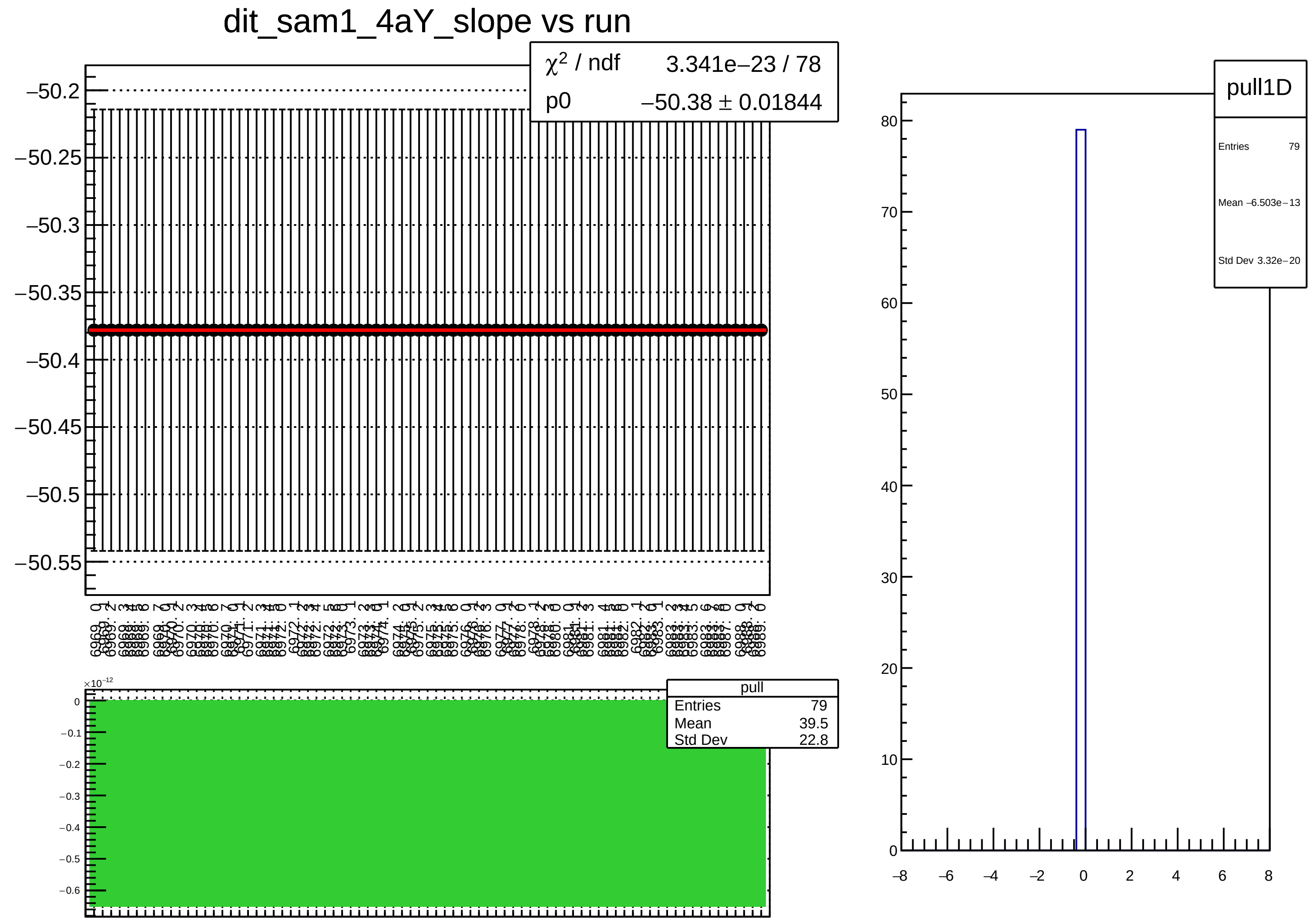
dit_atr2_4eY_slope vs run



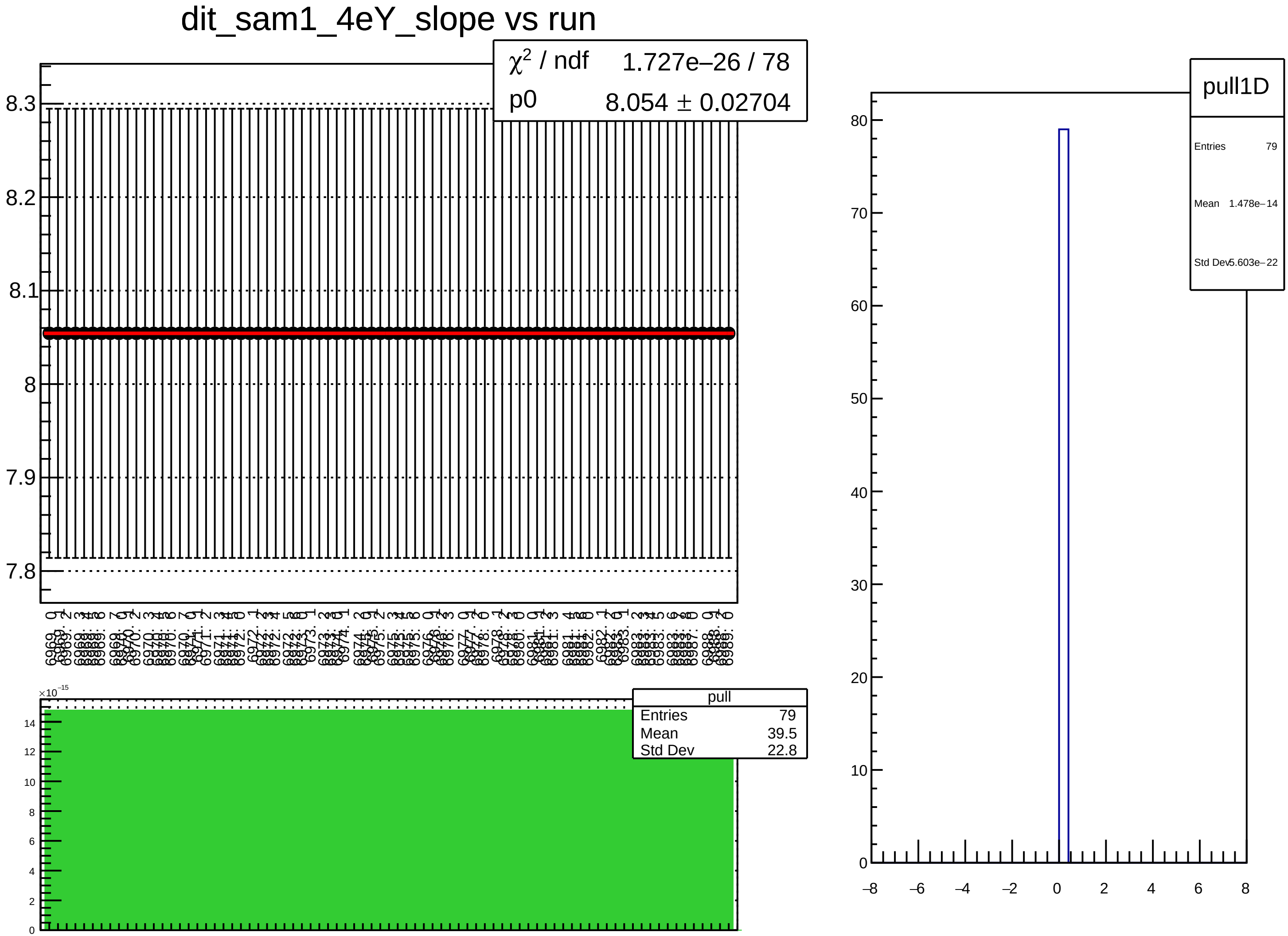

dit_sam1_4aX_slope vs run
χ^2 / ndf 8.101e−28 / 78
p0 1.488 ± 0.07021
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 3.202e−15
Std Dev 1.715e−22

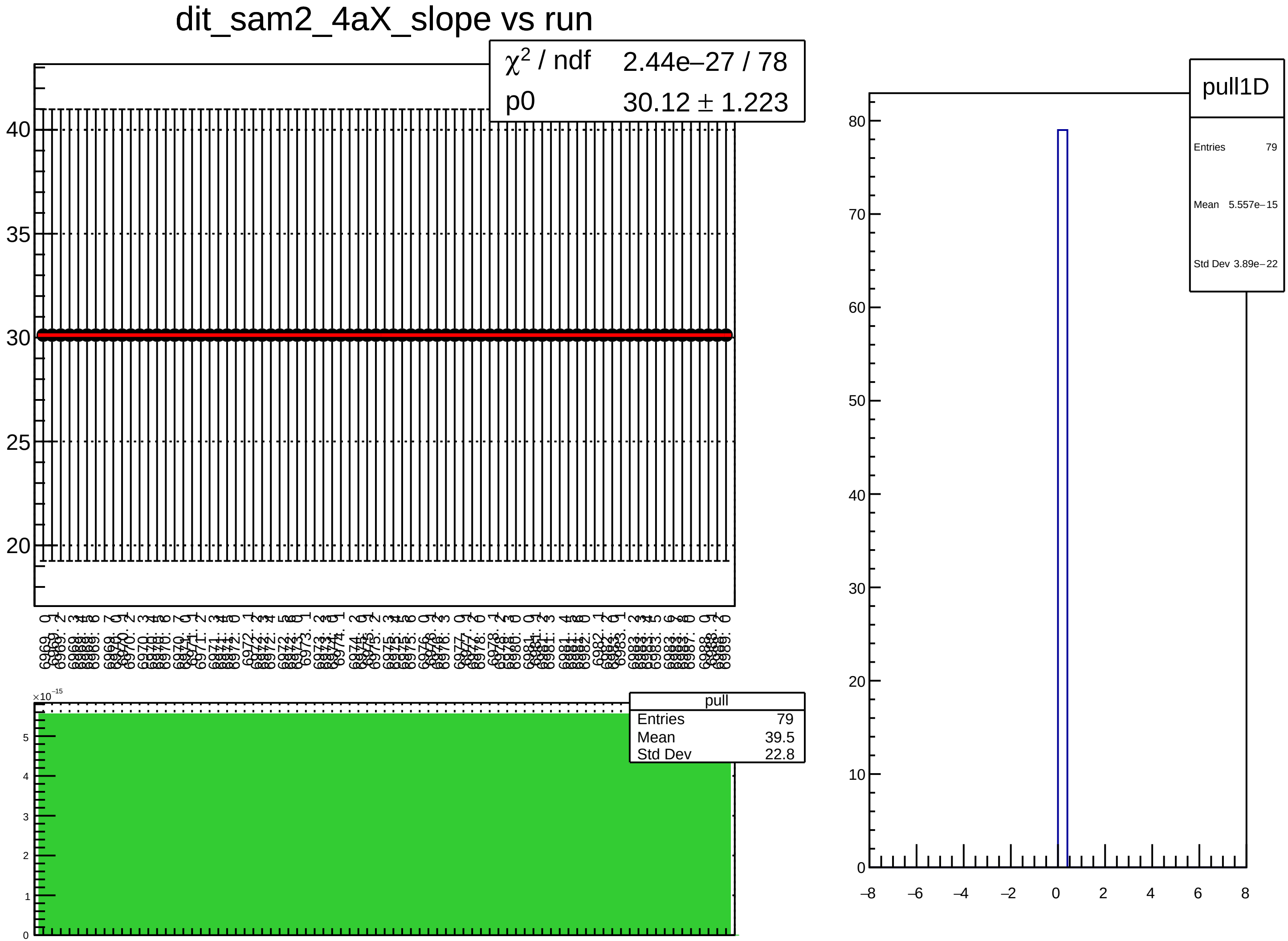

dit_sam1_4eX_slope vs run
χ^2 / ndf 6.055e−26 / 78
p0 −15.25 ± 0.05775
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 2.768e−14
Std Dev 1.16e−21


dit_sam1_11X12X_slope vs run
χ^2 / ndf 3.536e−27 / 78
p0 0.3424 ± 0.001867
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 6.69e−15
Std Dev 1.834e−22

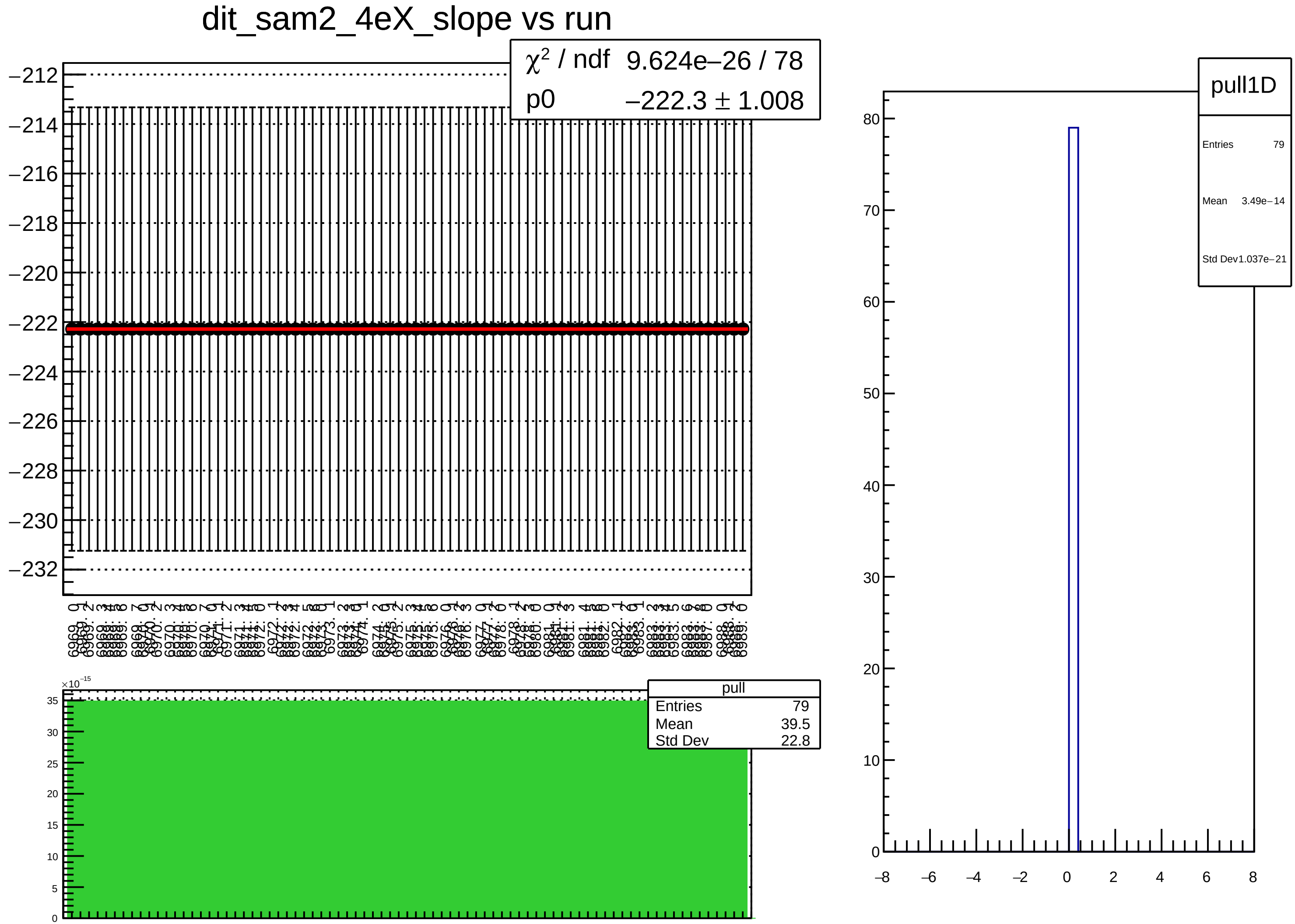


dit_sam1_4aY_slope vs run
χ2 / ndf 3.341e−23 / 78
p0 −50.38 ± 0.01844
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −6.503e−13
Std Dev 3.32e−20

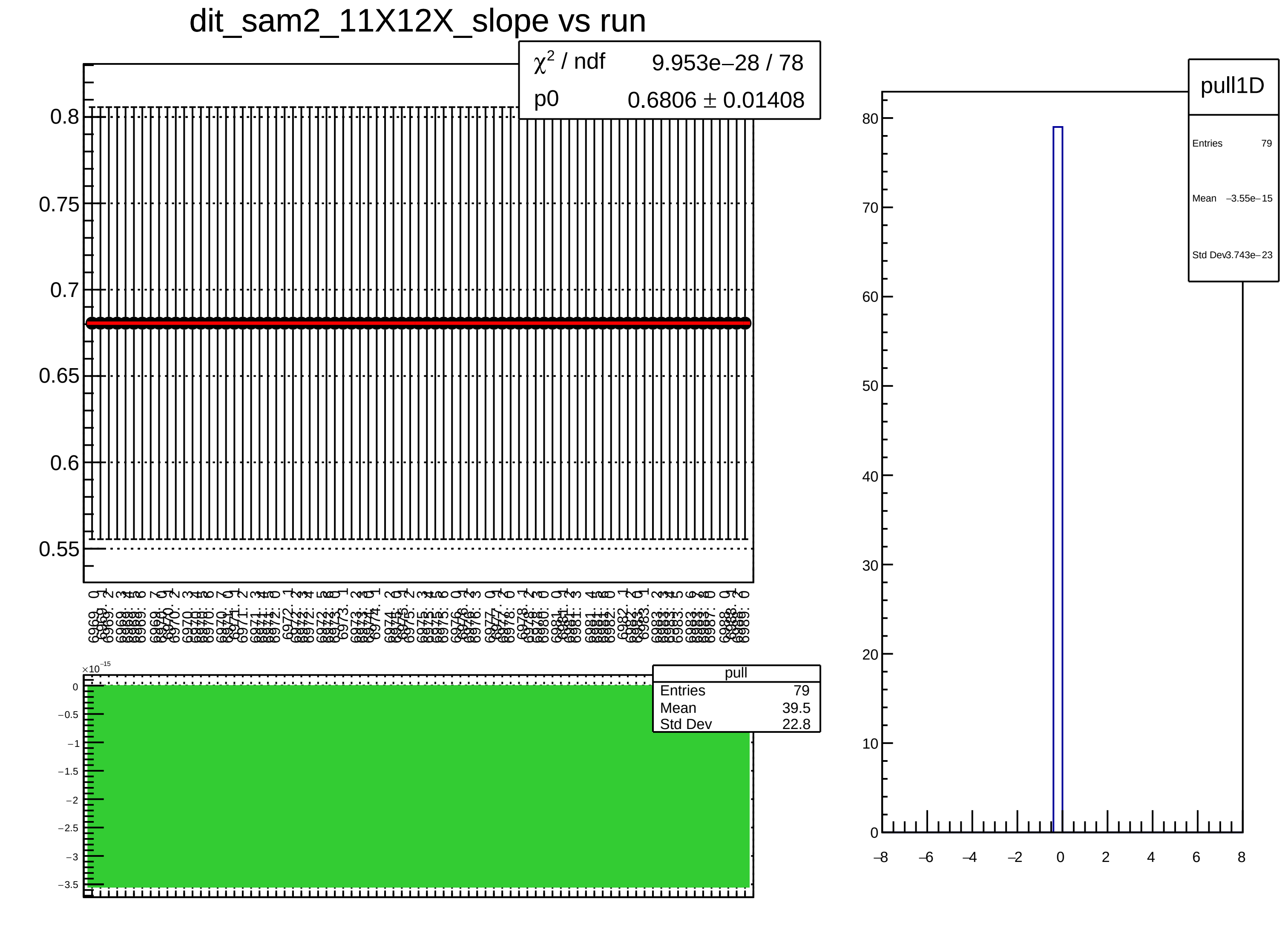

dit_sam1_4eY_slope vs run
χ^2 / ndf 1.727e−26 / 78
p0 8.054 ± 0.02704
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.478e−14
Std Dev 5.603e−22



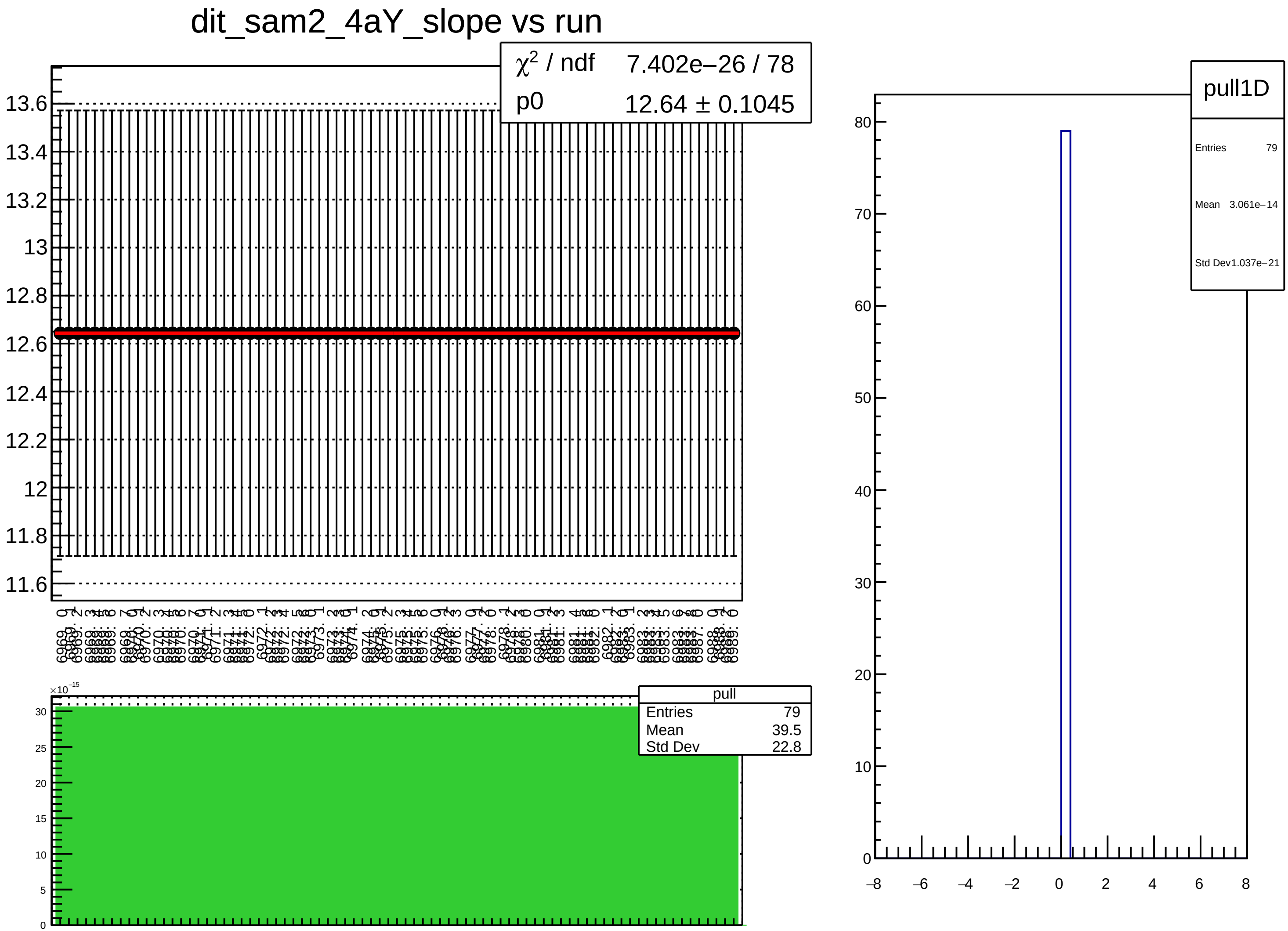
dit_sam2_4aX_slope vs run
χ2 / ndf 2.44e−27 / 78
p0 30.12 ± 1.223
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 5.557e−15
Std Dev 3.89e−22



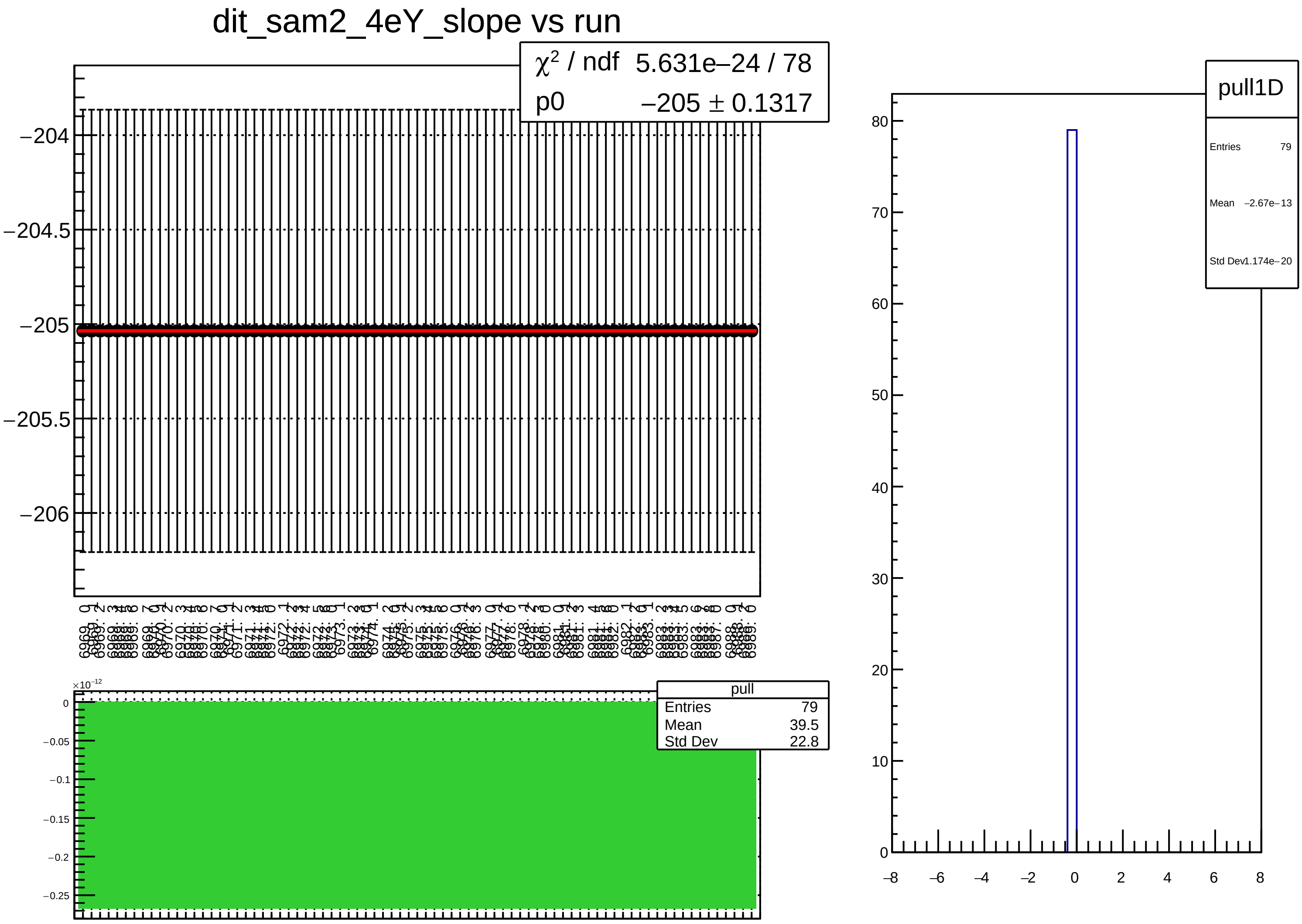
dit_sam2_4eX_slope vs run
χ^2 / ndf 9.624e−26 / 78
p0 −222.3 ± 1.008
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 3.49e−14
Std Dev 1.037e−21



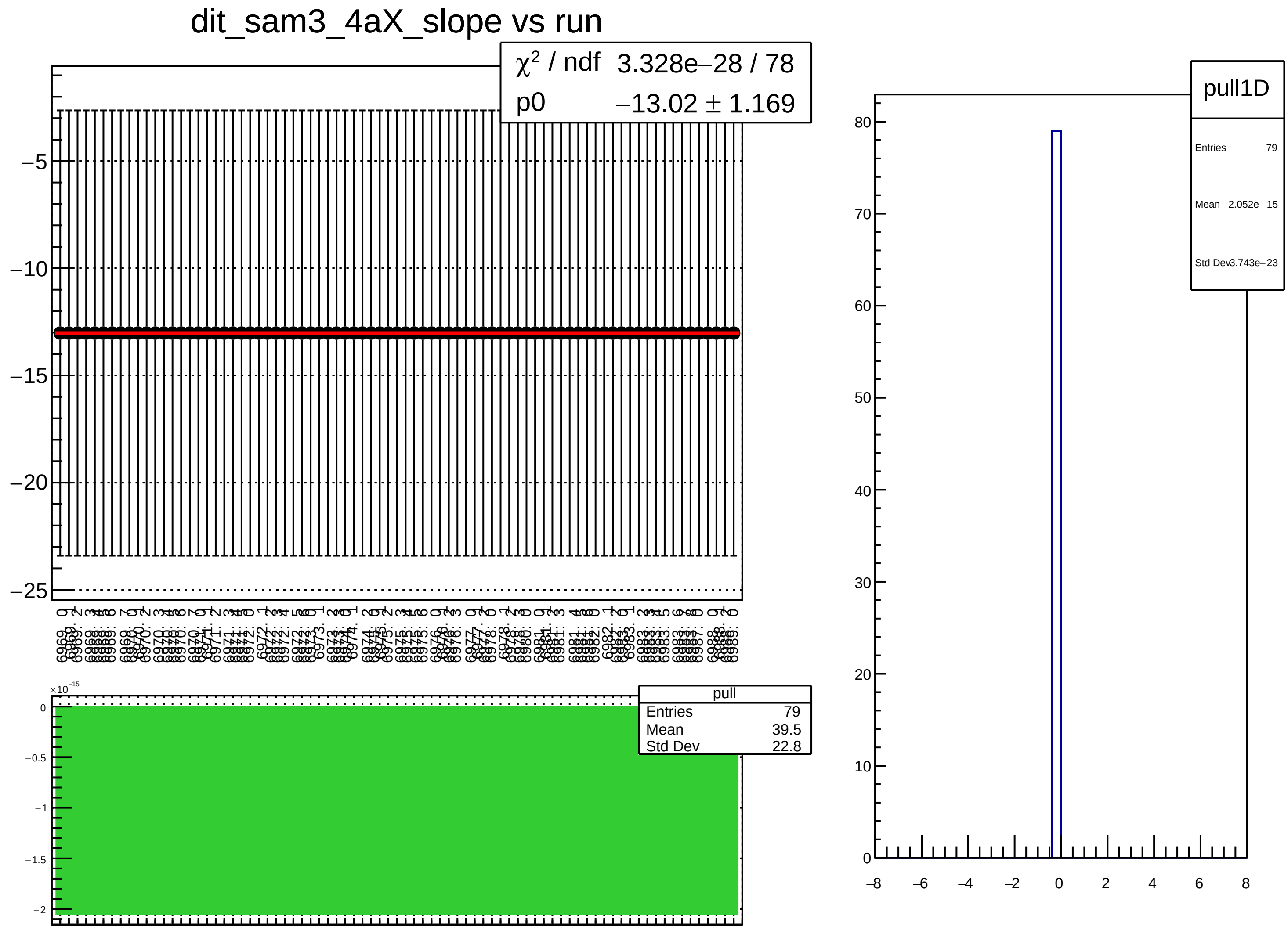
dit_sam2_11X12X_slope vs run
χ2 / ndf 9.953e−28 / 78
p0 0.6806 ± 0.01408
0.8
0.75
0.7
0.65
0.6
0.55
×10−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −3.55e−15
Std Dev 3.743e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



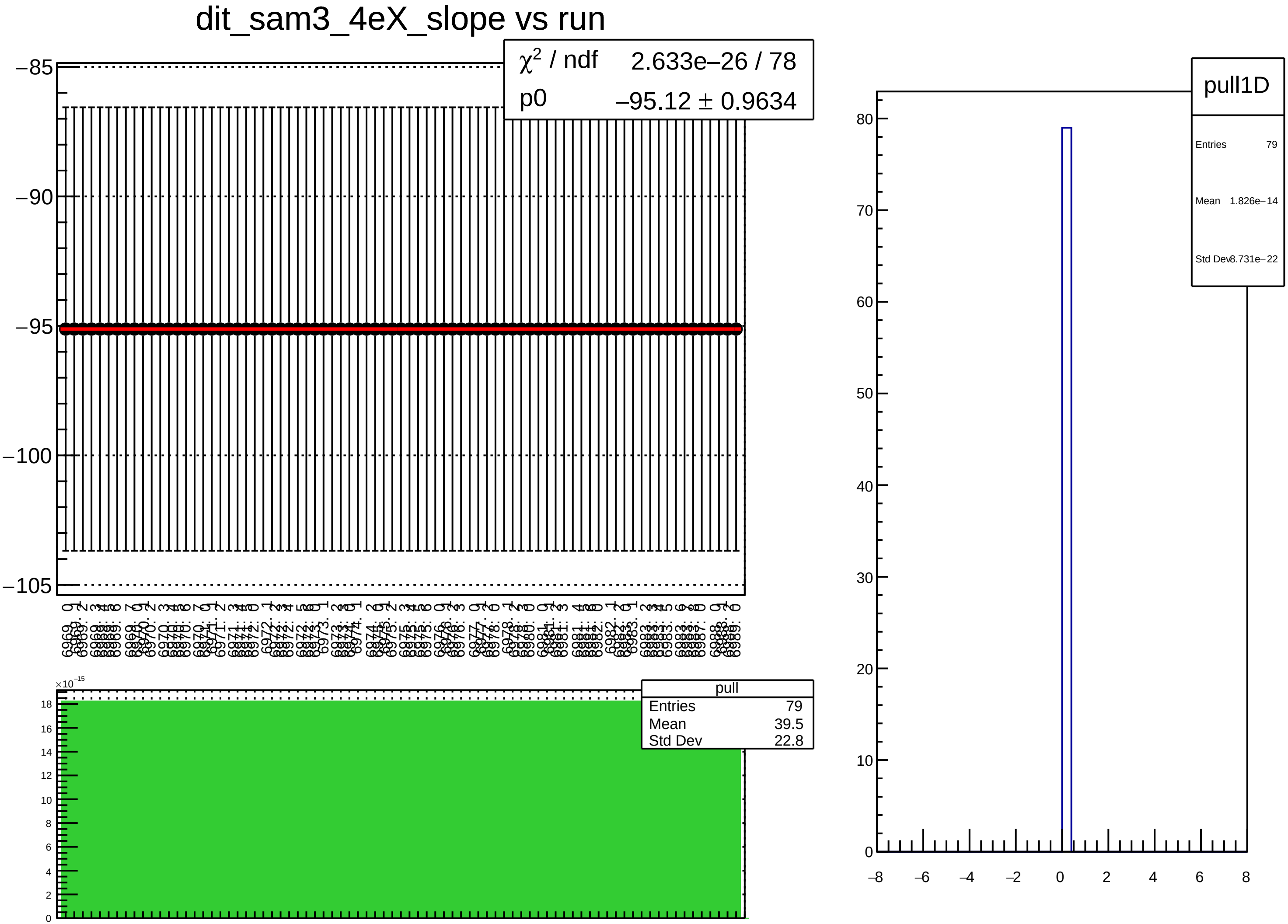
dit_sam2_4aY_slope vs run
χ^2 / ndf 7.402e−26 / 78
p0 12.64 ± 0.1045
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 3.061e−14
Std Dev1.037e−21

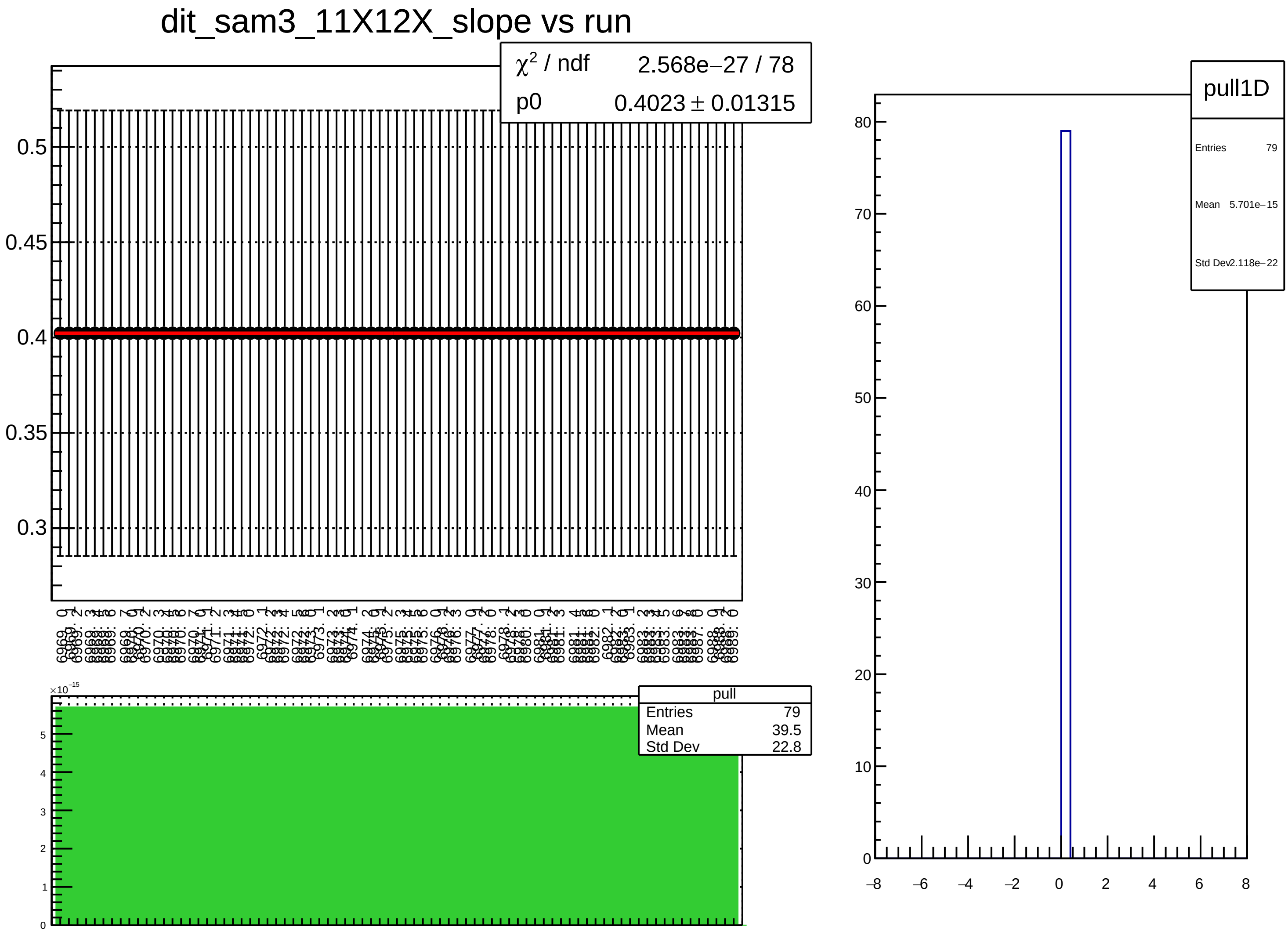


dit_sam2_4eY_slope vs run
χ² / ndf 5.631e−24 / 78
p0 −205 ± 0.1317
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −2.67e−13
Std Dev1.174e−20

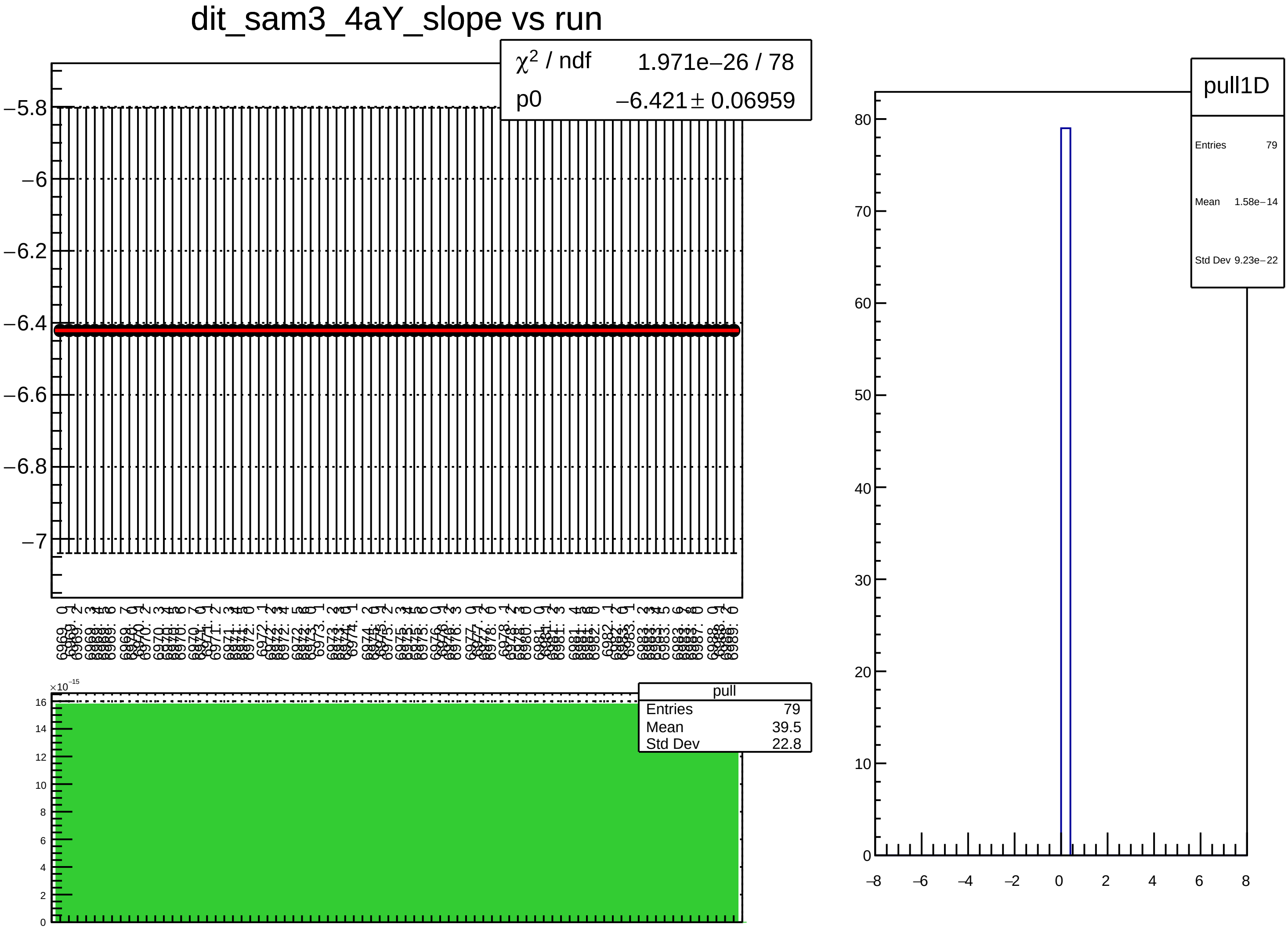


dit_sam3_4aX_slope vs run
χ2 / ndf 3.328e−28 / 78
p0 −13.02 ± 1.169
−5
−10
−15
−20
−25
×10−15
0
−0.5
−1
−1.5
−2
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −2.052e−15
Std Dev3.743e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

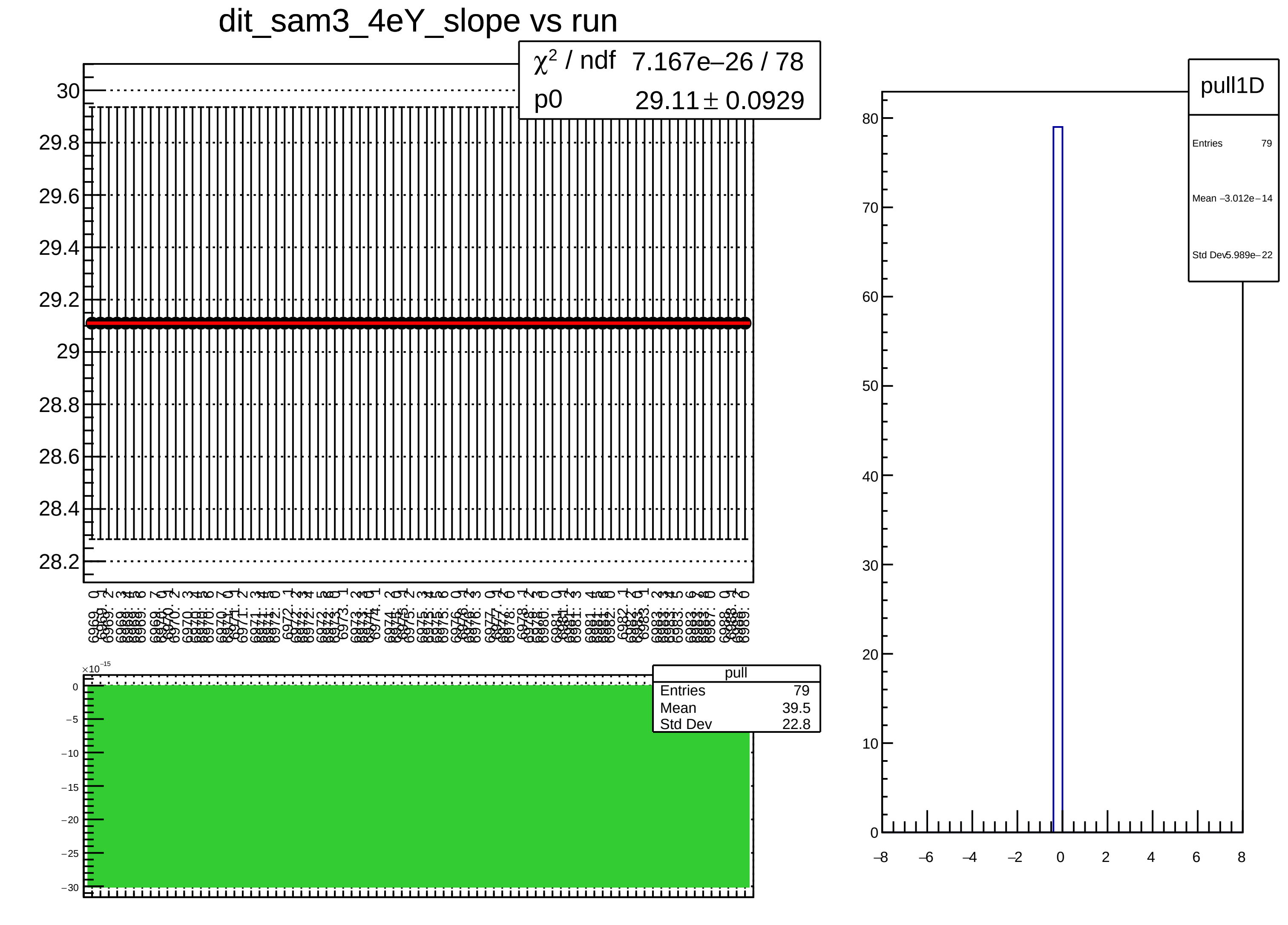

dit_sam3_4eX_slope vs run
χ^2 / ndf 2.633e−26 / 78
p0 −95.12 ± 0.9634
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.826e−14
Std Dev 8.731e−22



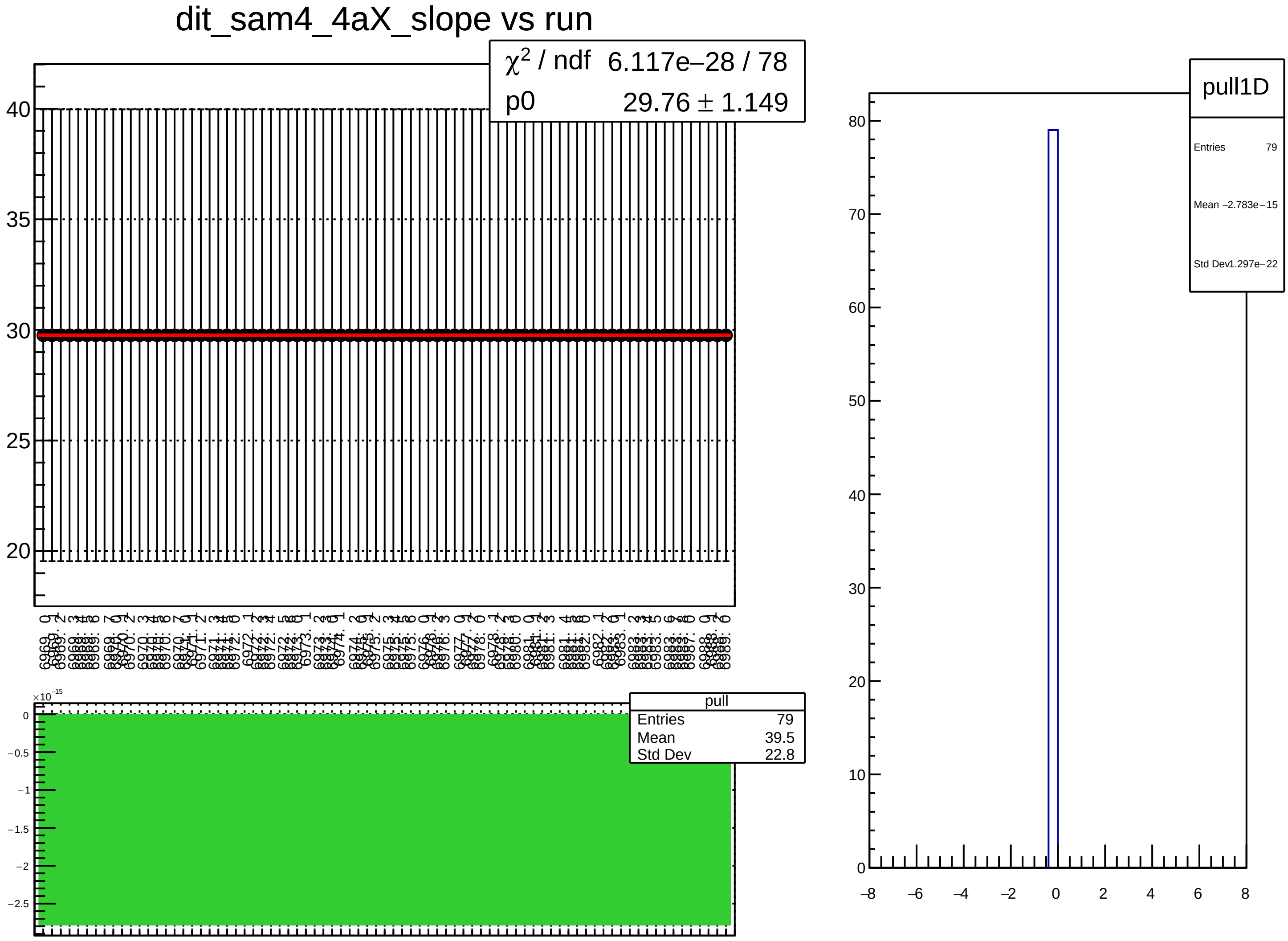
dit_sam3_11X12X_slope vs run
χ2 / ndf 2.568e−27 / 78
p0 0.4023 ± 0.01315
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 5.701e−15
Std Dev2.118e−22



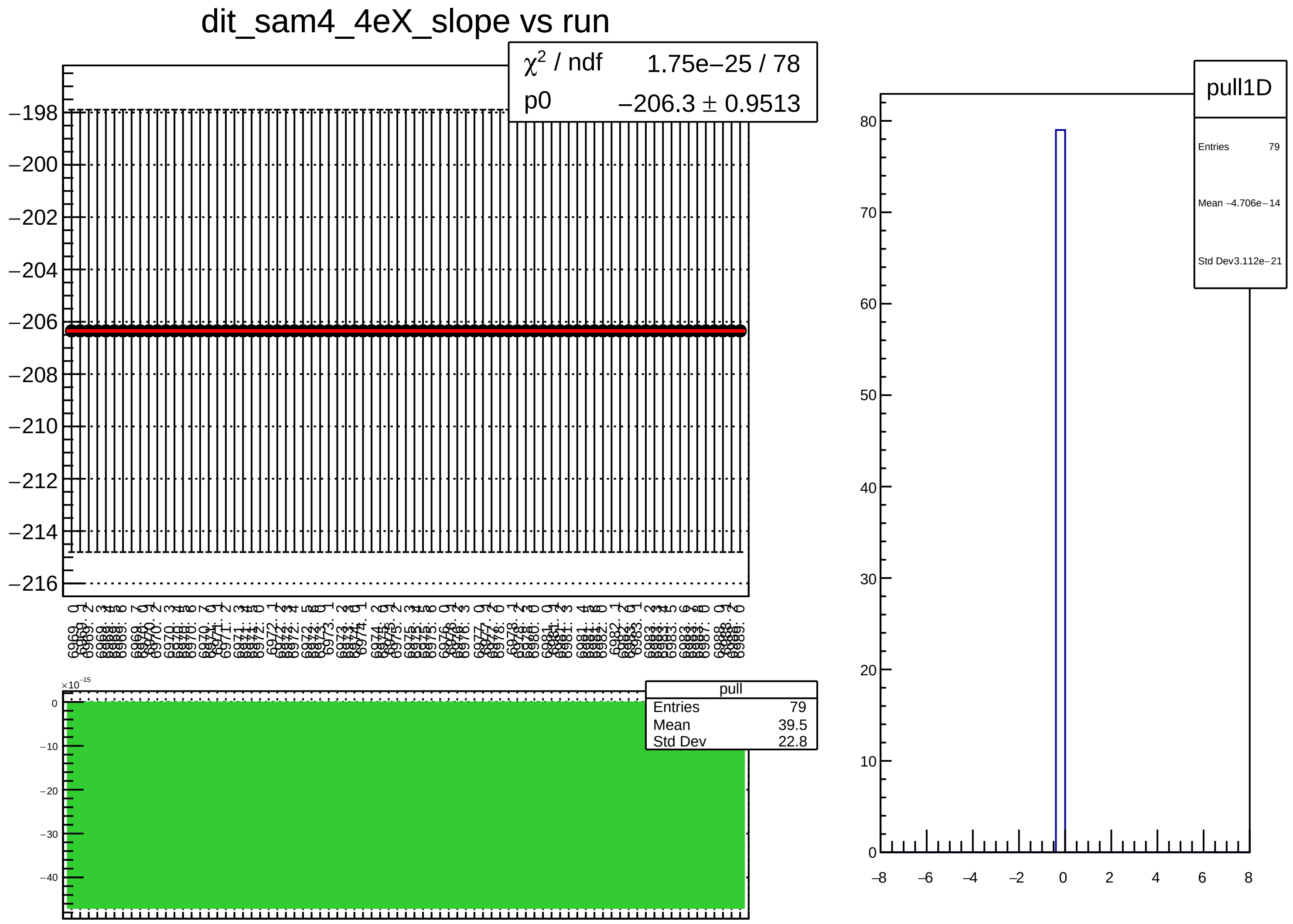
dit_sam3_4aY_slope vs run
χ^2 / ndf 1.971e−26 / 78
p0 −6.421 ± 0.06959
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.58e−14
Std Dev 9.23e−22



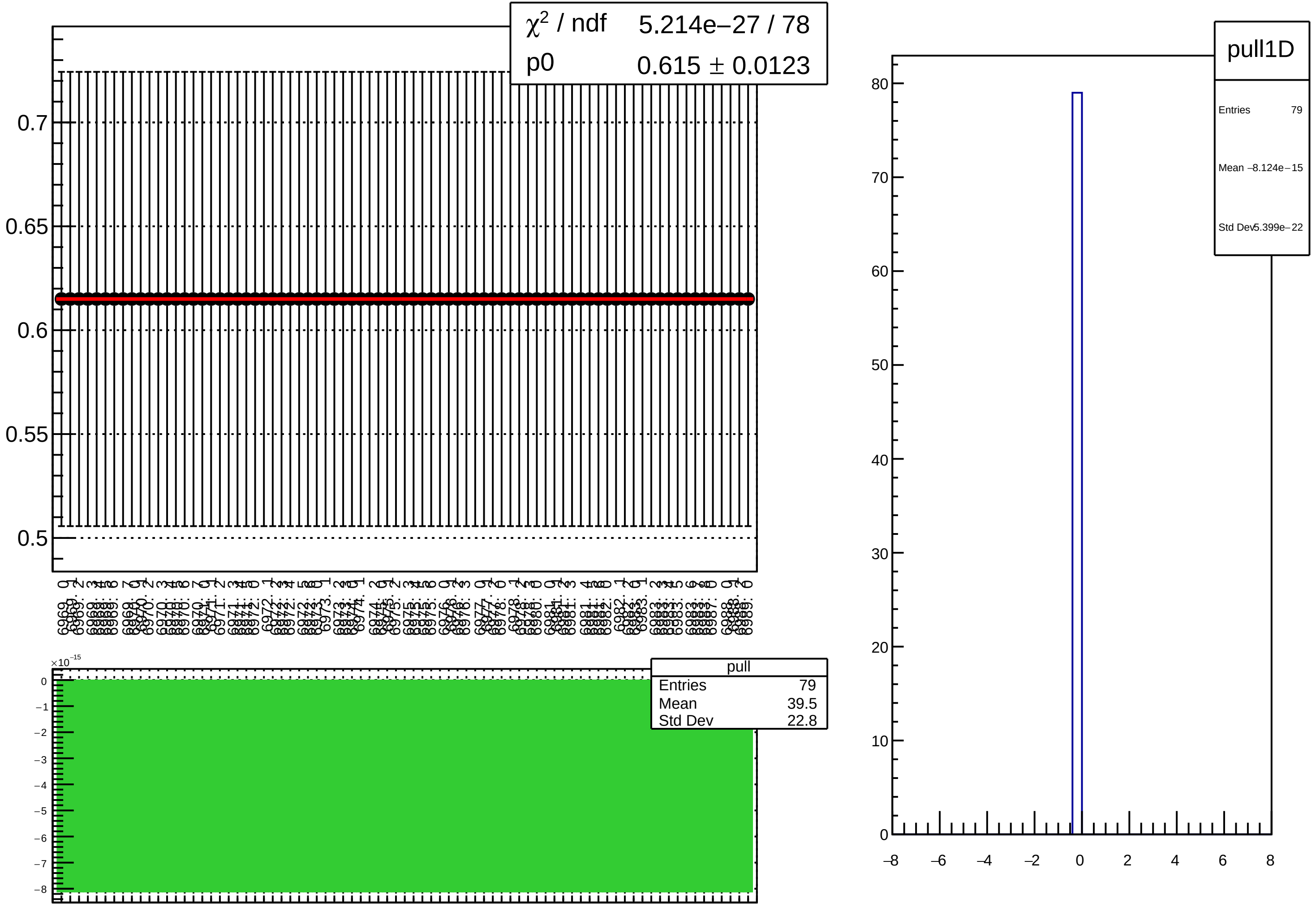
dit_sam3_4eY_slope vs run
χ^2 / ndf 7.167e−26 / 78
p0 29.11 ± 0.0929
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −3.012e−14
Std Dev 5.989e−22



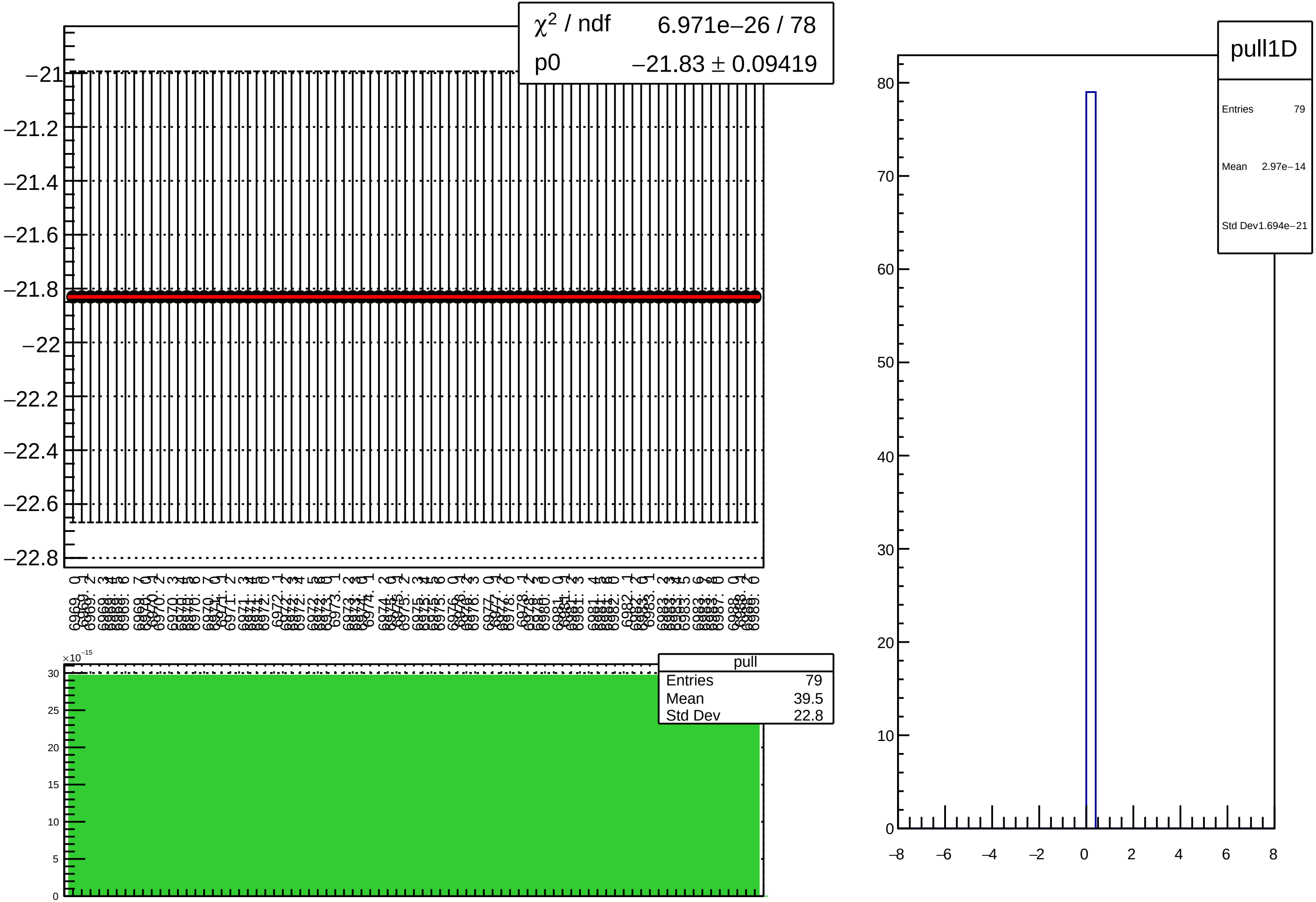
dit_sam4_4aX_slope vs run
χ^2 / ndf 6.117e−28 / 78
p0 29.76 ± 1.149
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −2.783e−15
Std Dev1.297e−22

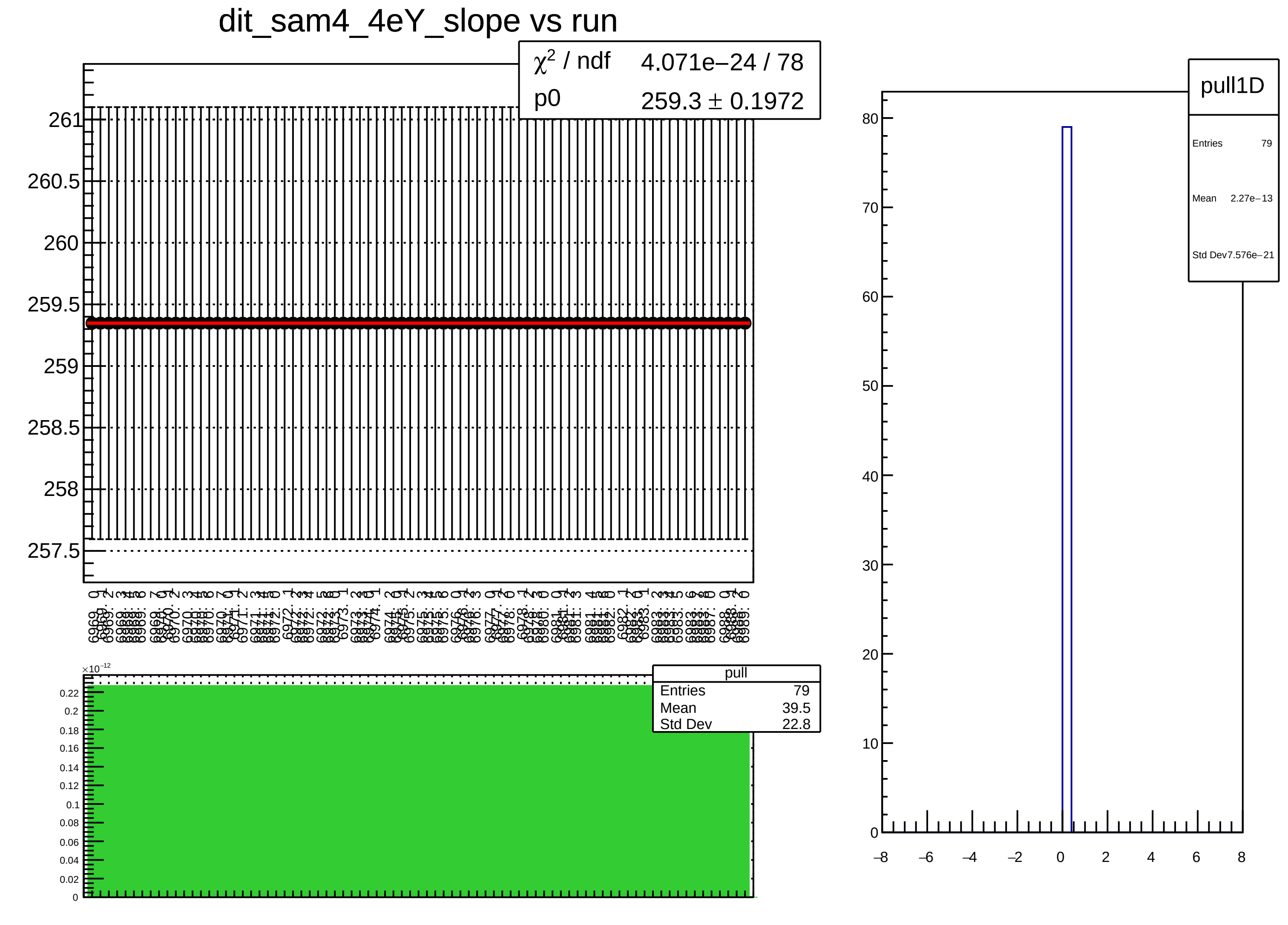

dit_sam4_4eX_slope vs run
χ^2 / ndf 1.75e−25 / 78
p0 −206.3 ± 0.9513
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −4.706e−14
Std Dev 3.112e−21

dit_sam4_11X12X_slope vs run

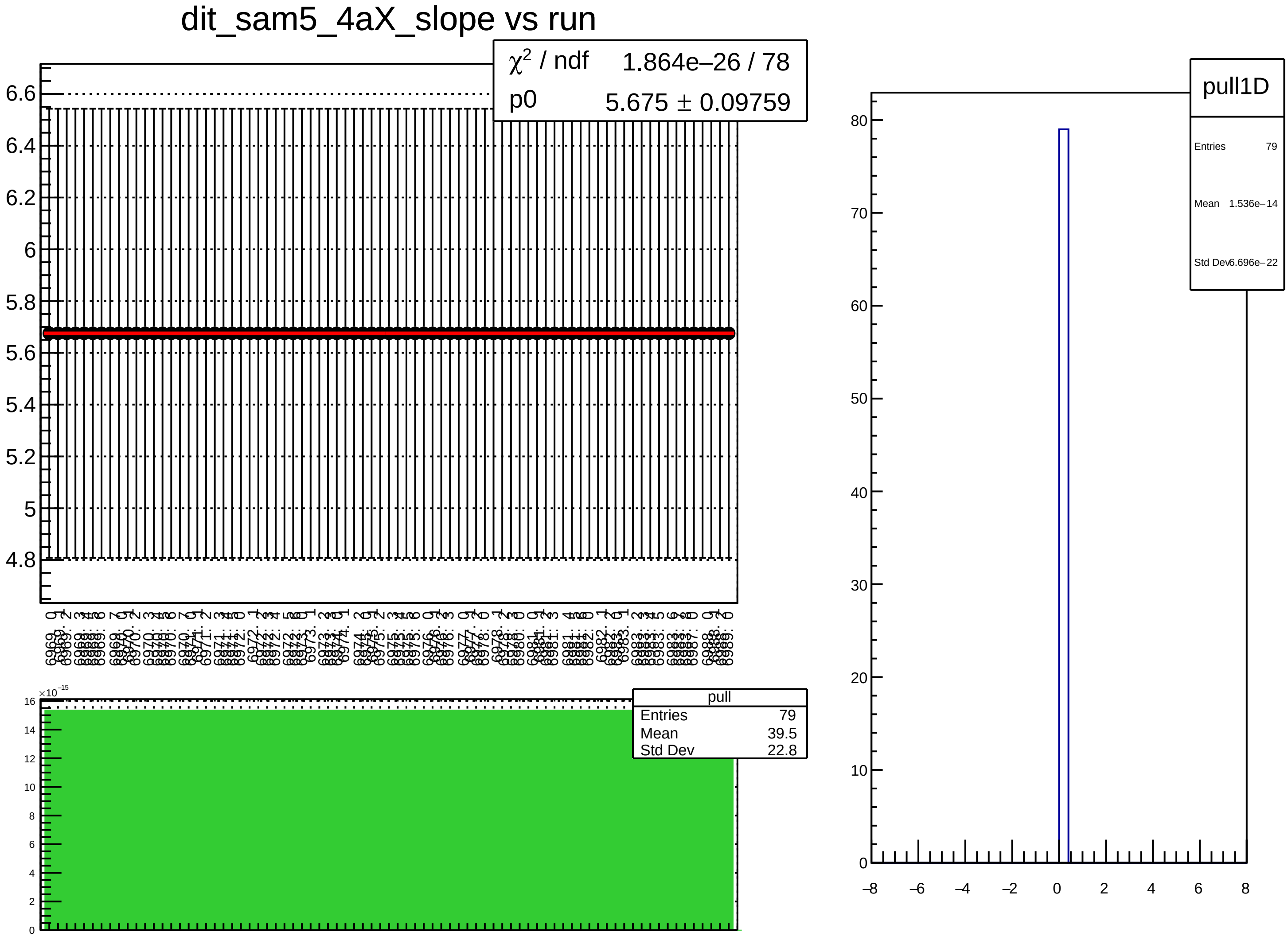


dit_sam4_4aY_slope vs run

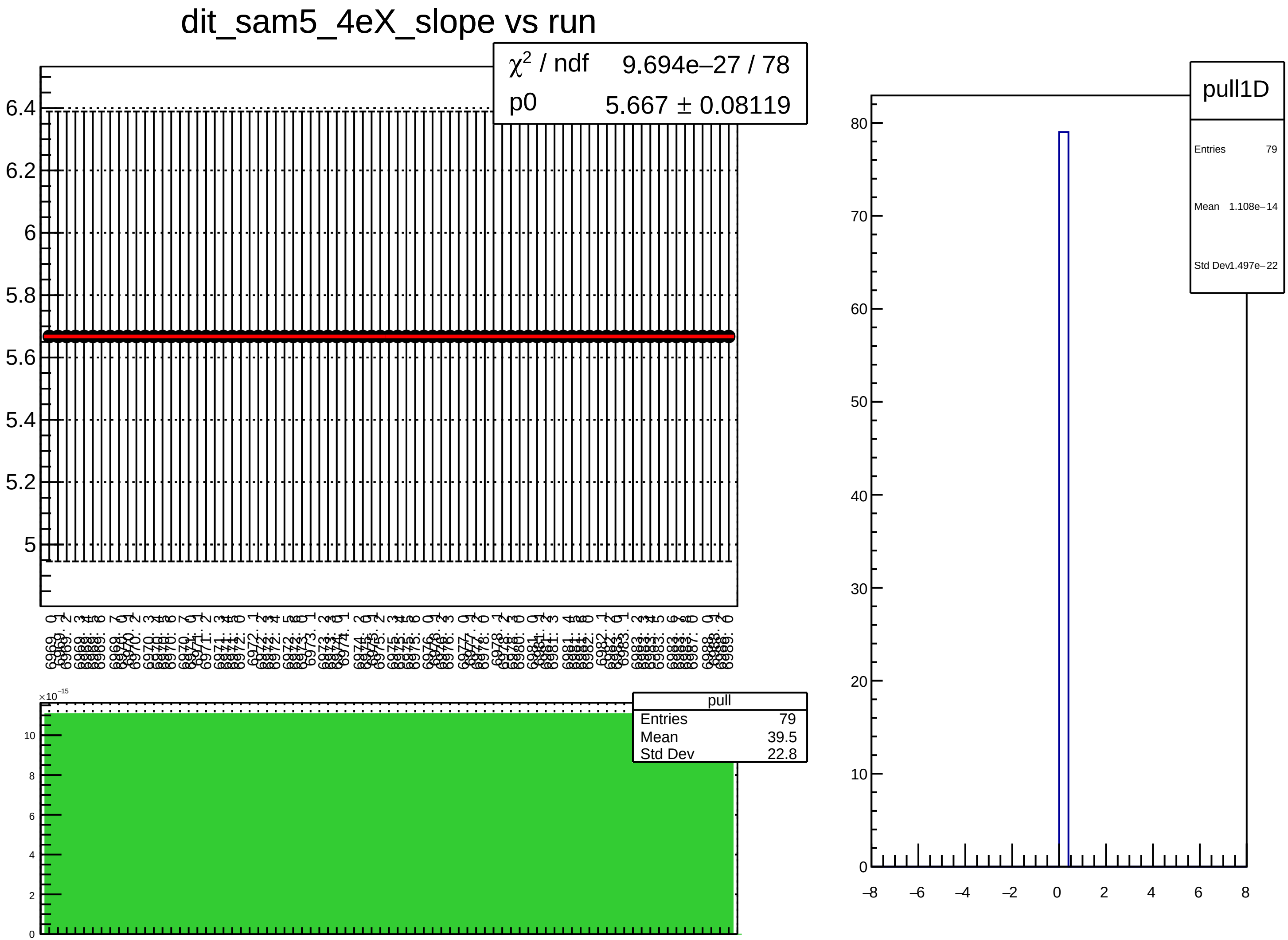




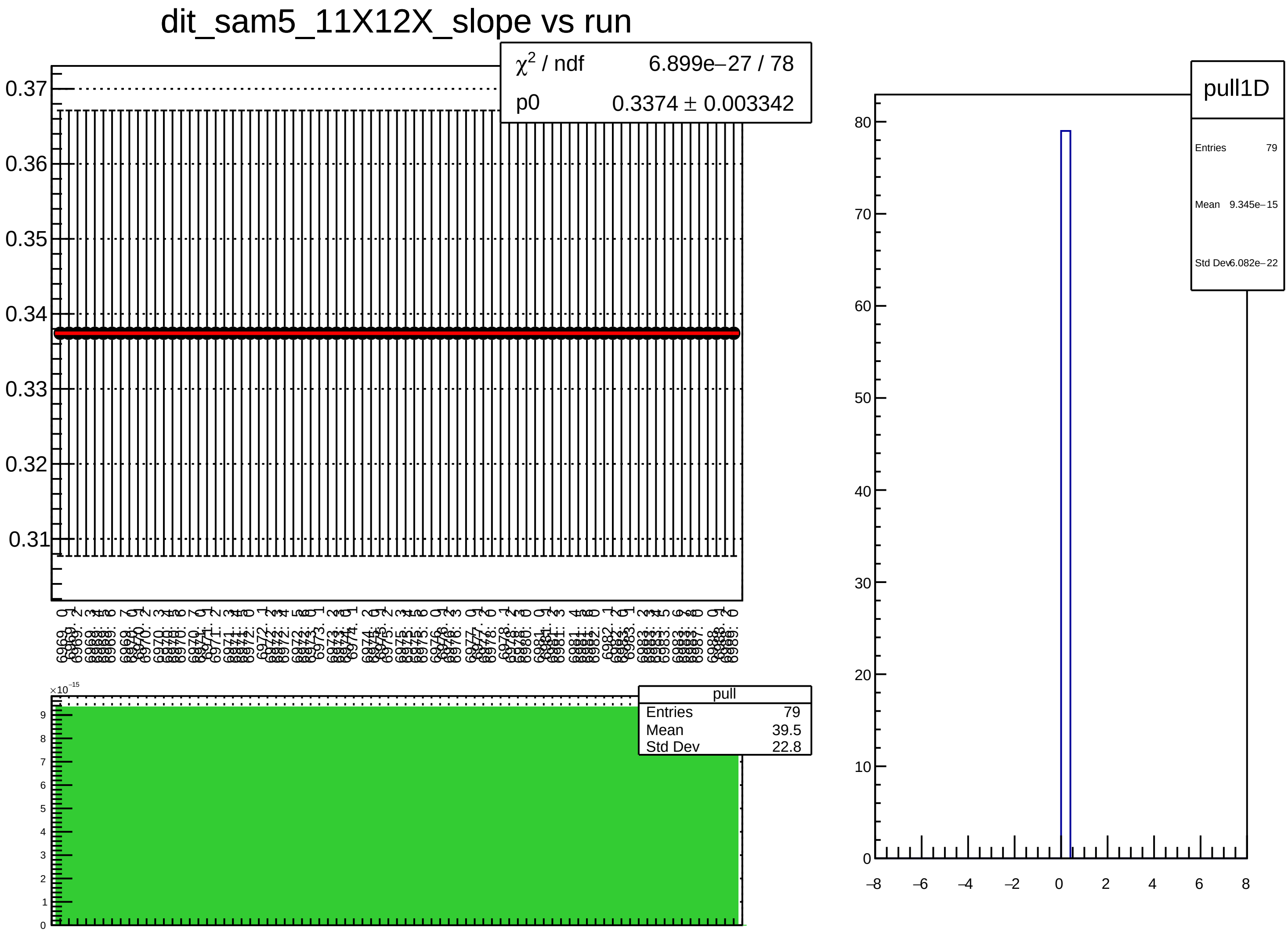
dit_sam4_4eY_slope vs run
χ^2 / ndf 4.071e−24 / 78
p0 259.3 ± 0.1972
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 2.27e−13
Std Dev 7.576e−21



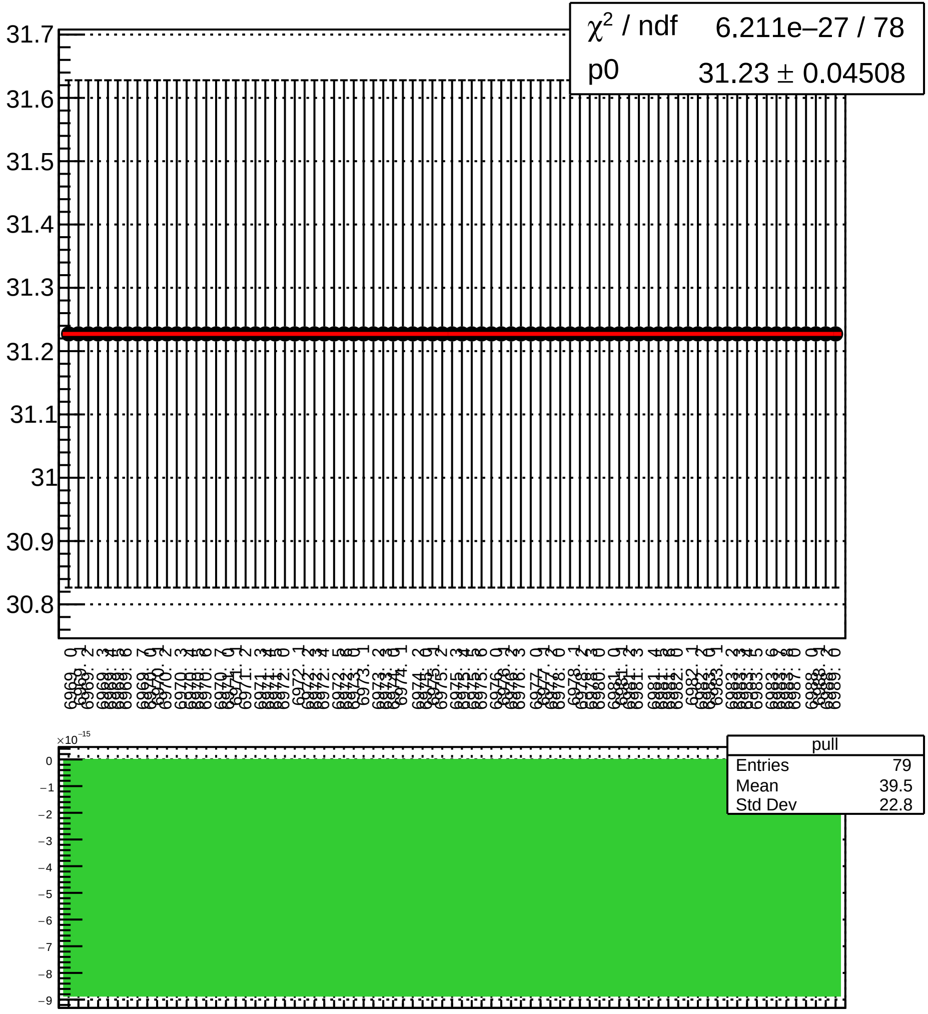
dit_sam5_4aX_slope vs run
χ^2 / ndf 1.864e−26 / 78
p0 5.675 ± 0.09759
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.536e−14
Std Dev 6.696e−22

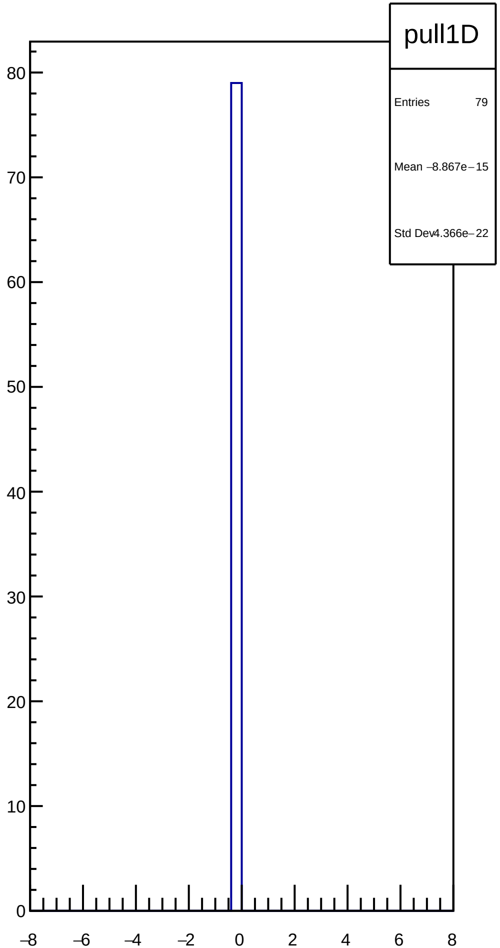


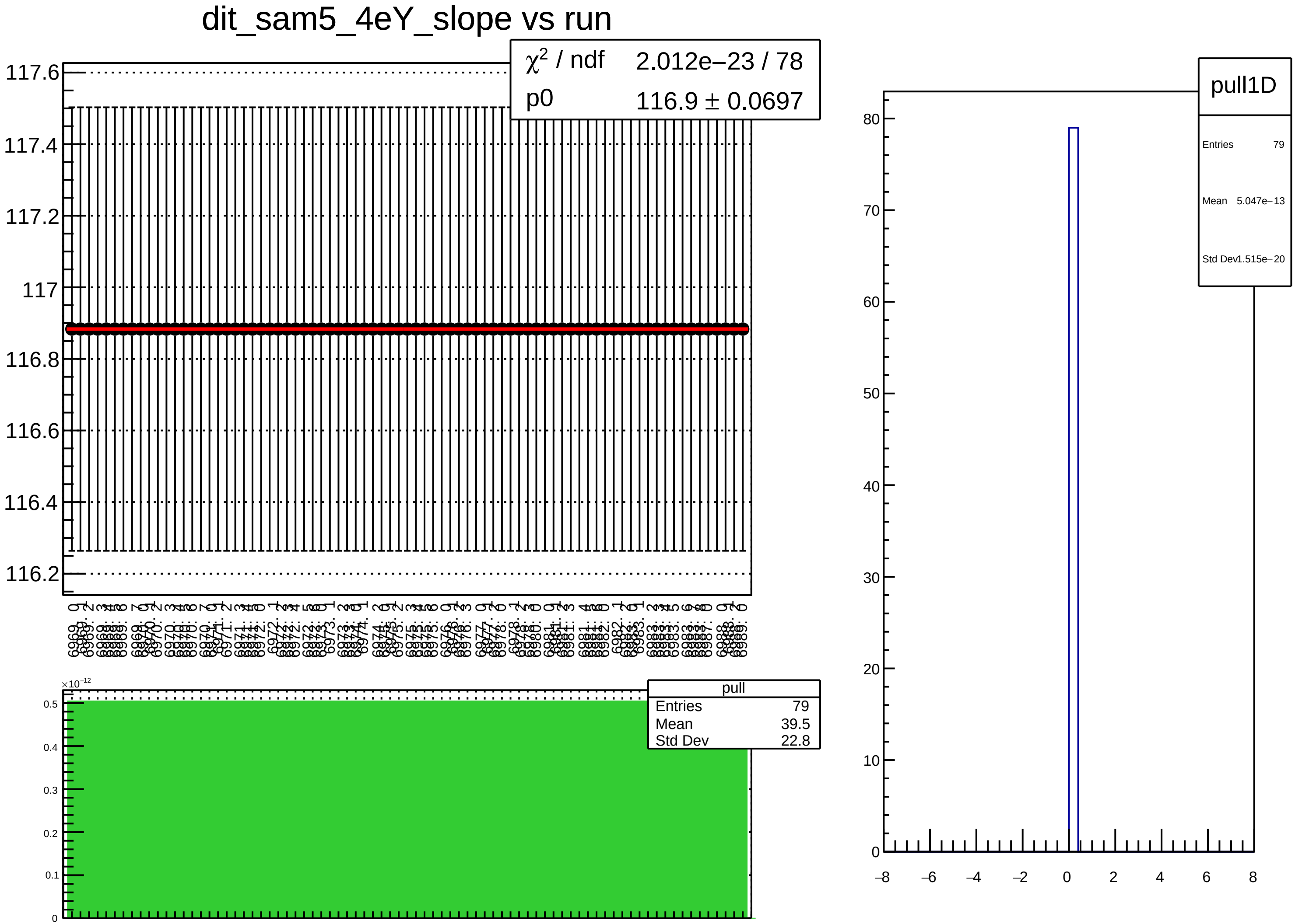
dit_sam5_4eX_slope vs run
χ^2 / ndf 9.694e−27 / 78
p0 5.667 ± 0.08119
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 1.108e−14
Std Dev 1.497e−22


dit_sam5_11X12X_slope vs run
χ^2 / ndf 6.899e−27 / 78
p0 0.3374 ± 0.003342
0.37
0.36
0.35
0.34
0.33
0.32
0.31
×10⁻¹⁵
0
1
2
3
4
5
6
7
8
9
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 9.345e−15
Std Dev 6.082e−22
0
10
20
30
40
50
60
70
80
−8
−6
−4
−2
0
2
4
6
8

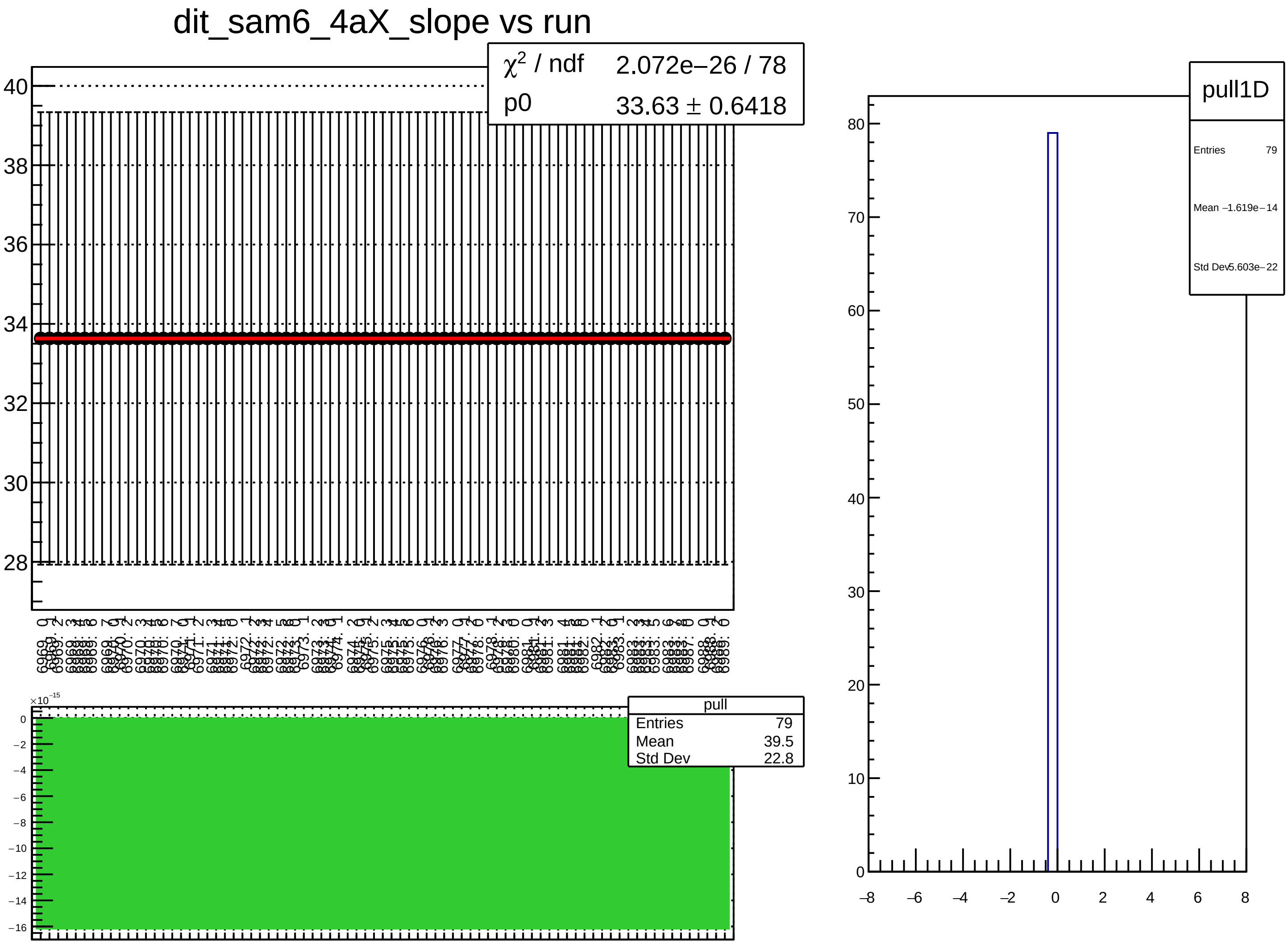
dit_sam5_4aY_slope vs run



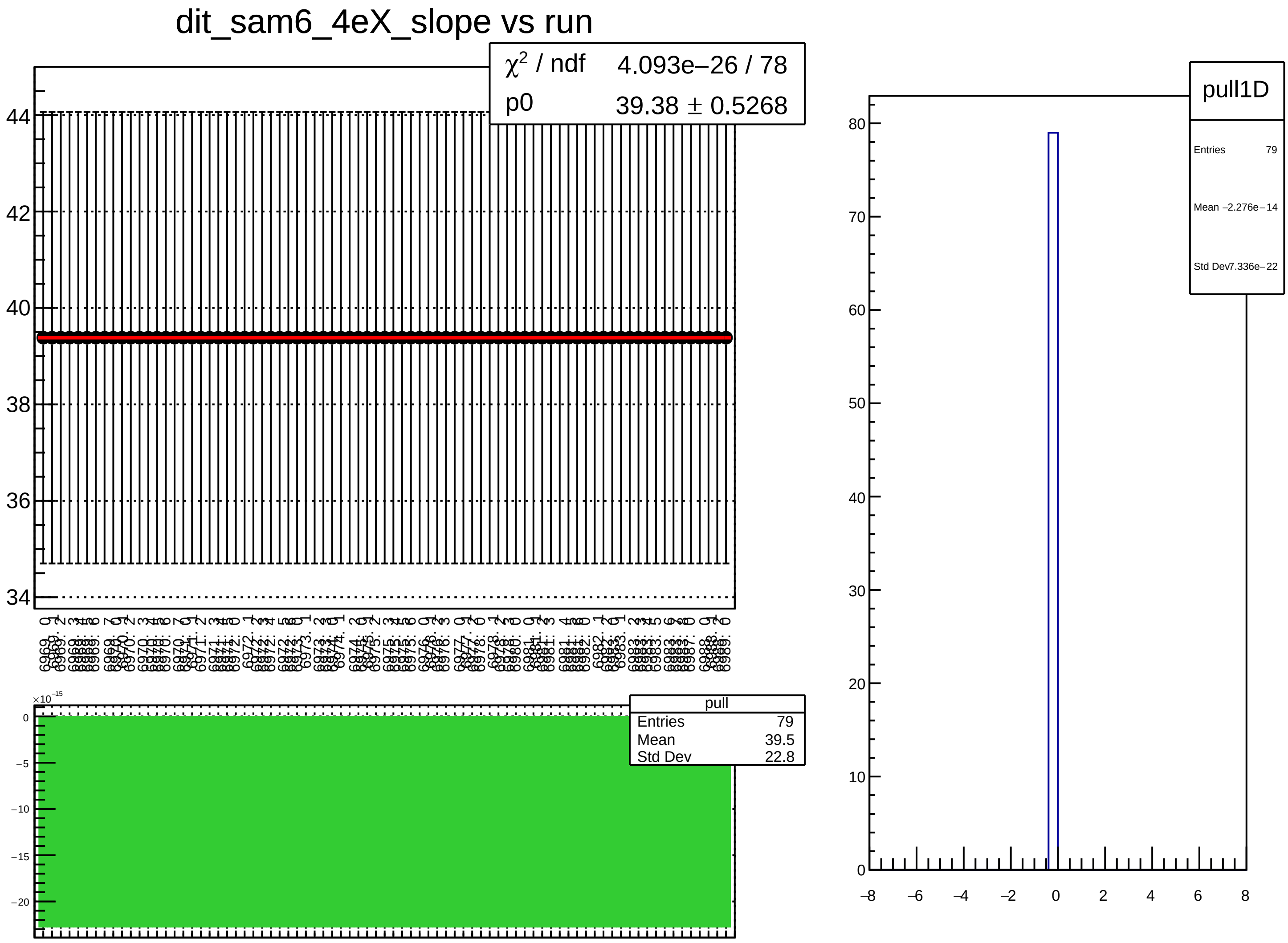




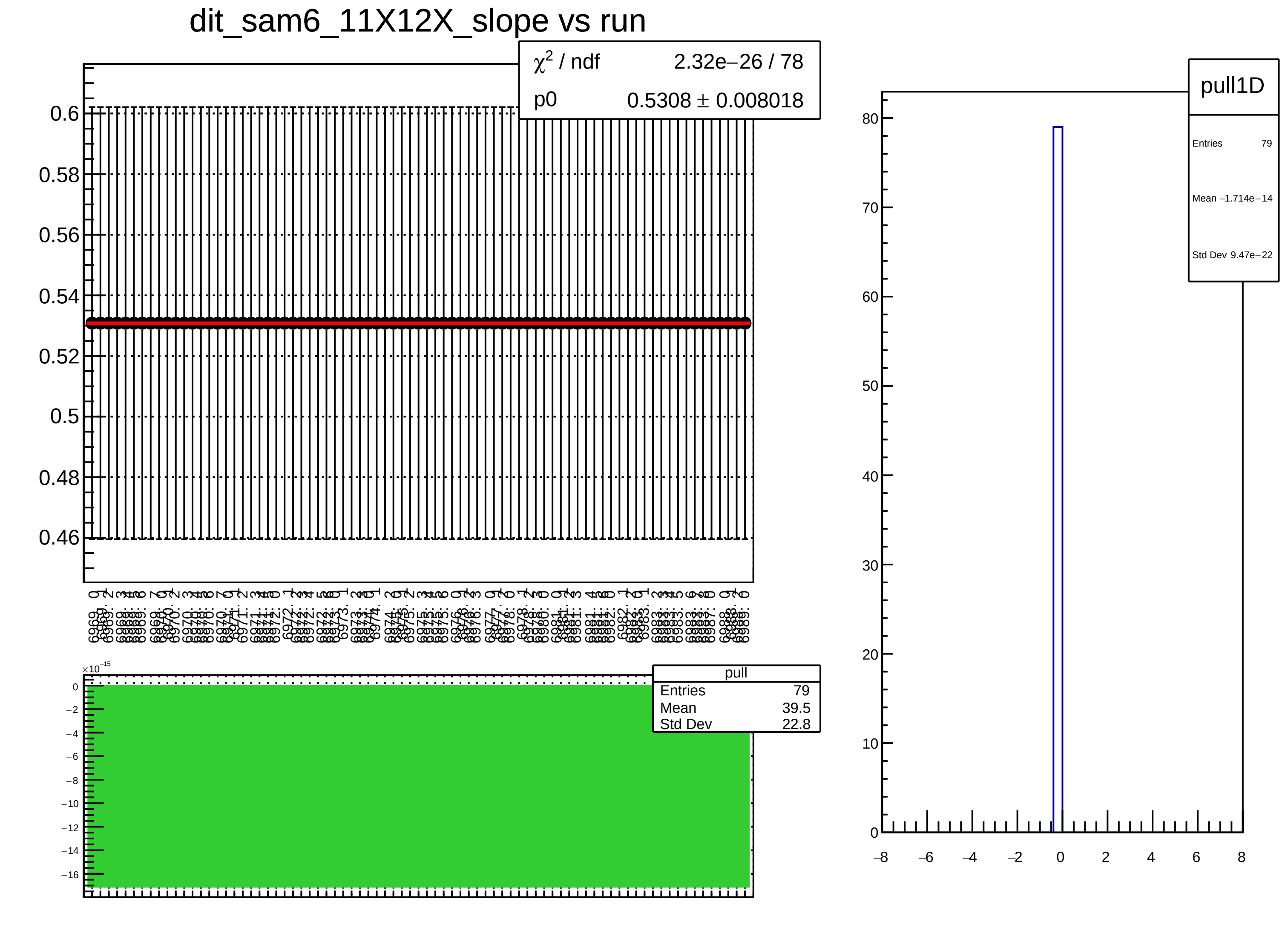
dit_sam5_4eY_slope vs run
χ^2 / ndf 2.012e−23 / 78
p0 116.9 ± 0.0697
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 5.047e−13
Std Dev1.515e−20

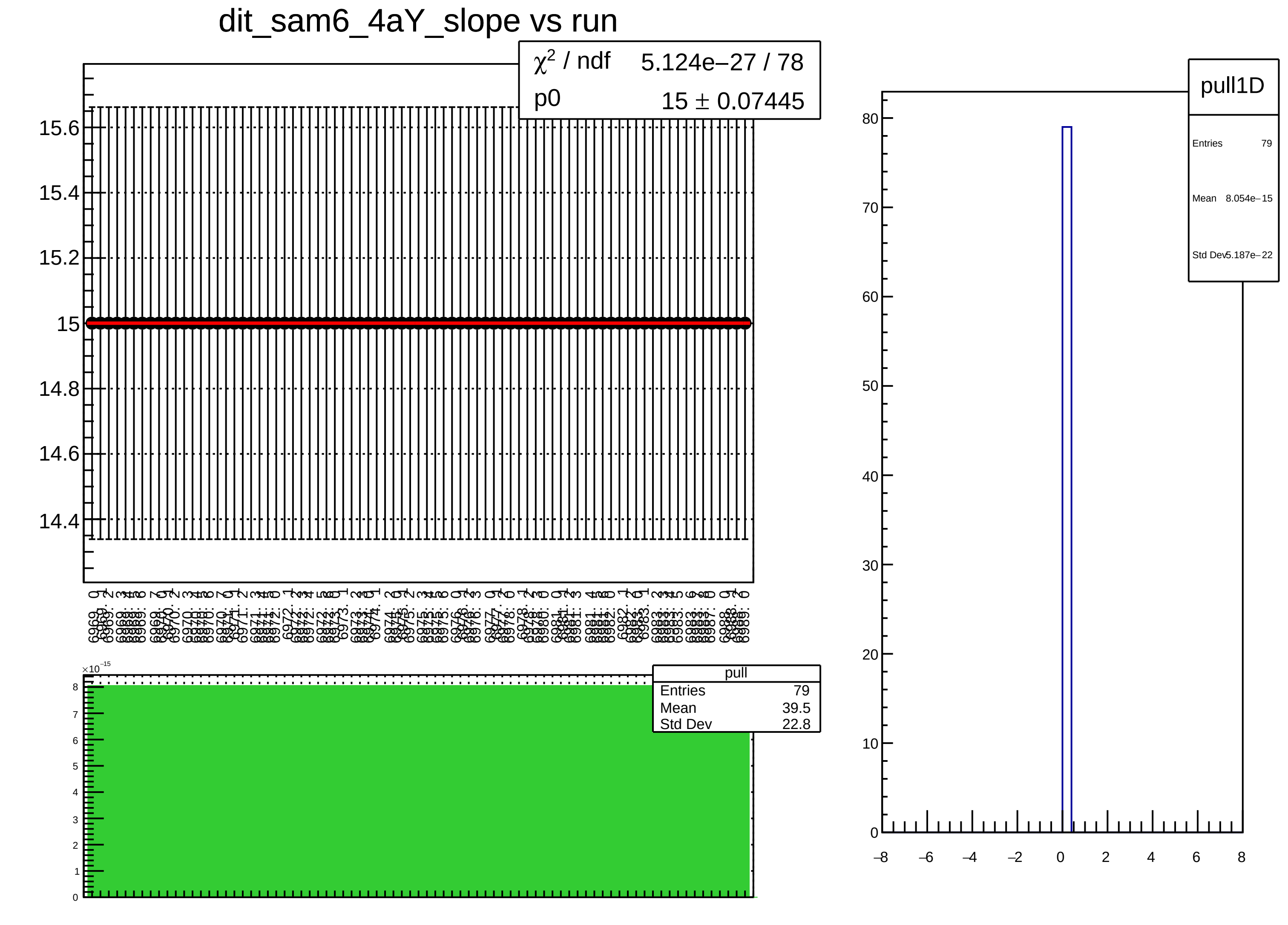


dit_sam6_4aX_slope vs run
χ^2 / ndf 2.072e−26 / 78
p0 33.63 ± 0.6418
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −1.619e−14
Std Dev 5.603e−22

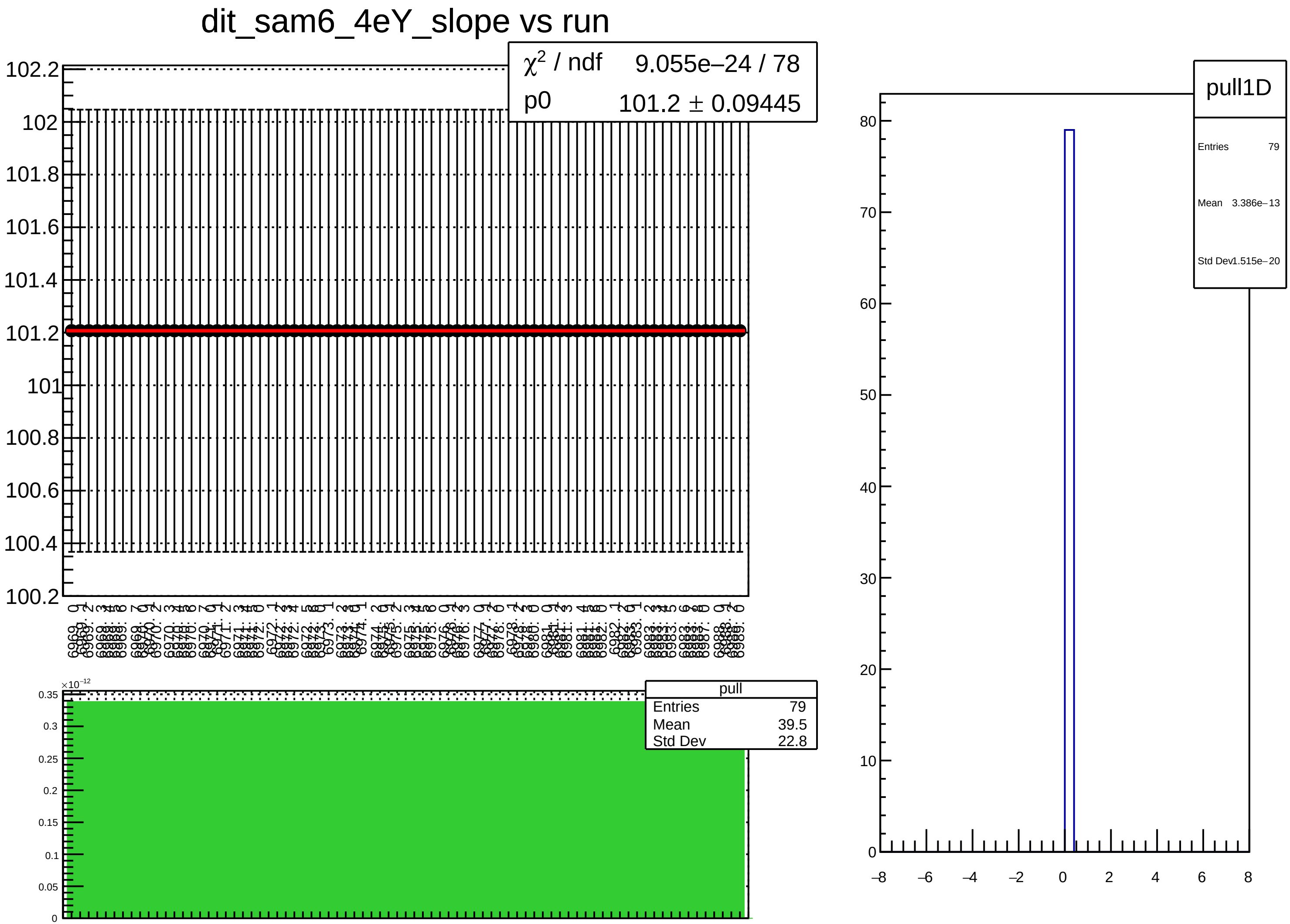


dit_sam6_4eX_slope vs run
χ2 / ndf 4.093e−26 / 78
p0 39.38 ± 0.5268
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −2.276e−14
Std Dev7.336e−22

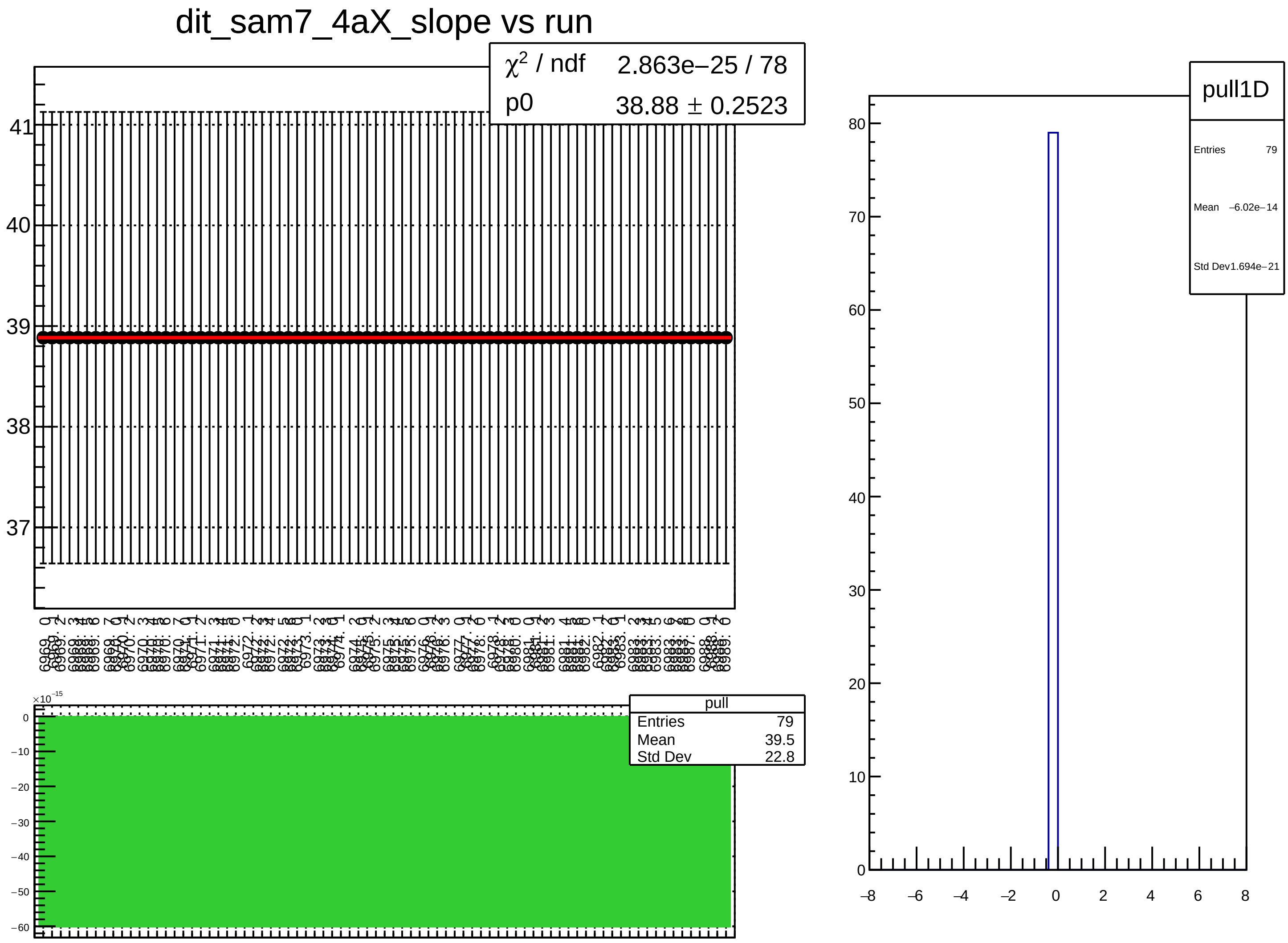

dit_sam6_11X12X_slope vs run
χ^2 / ndf 2.32e−26 / 78
p0 0.5308 ± 0.008018
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −1.714e−14
Std Dev 9.47e−22



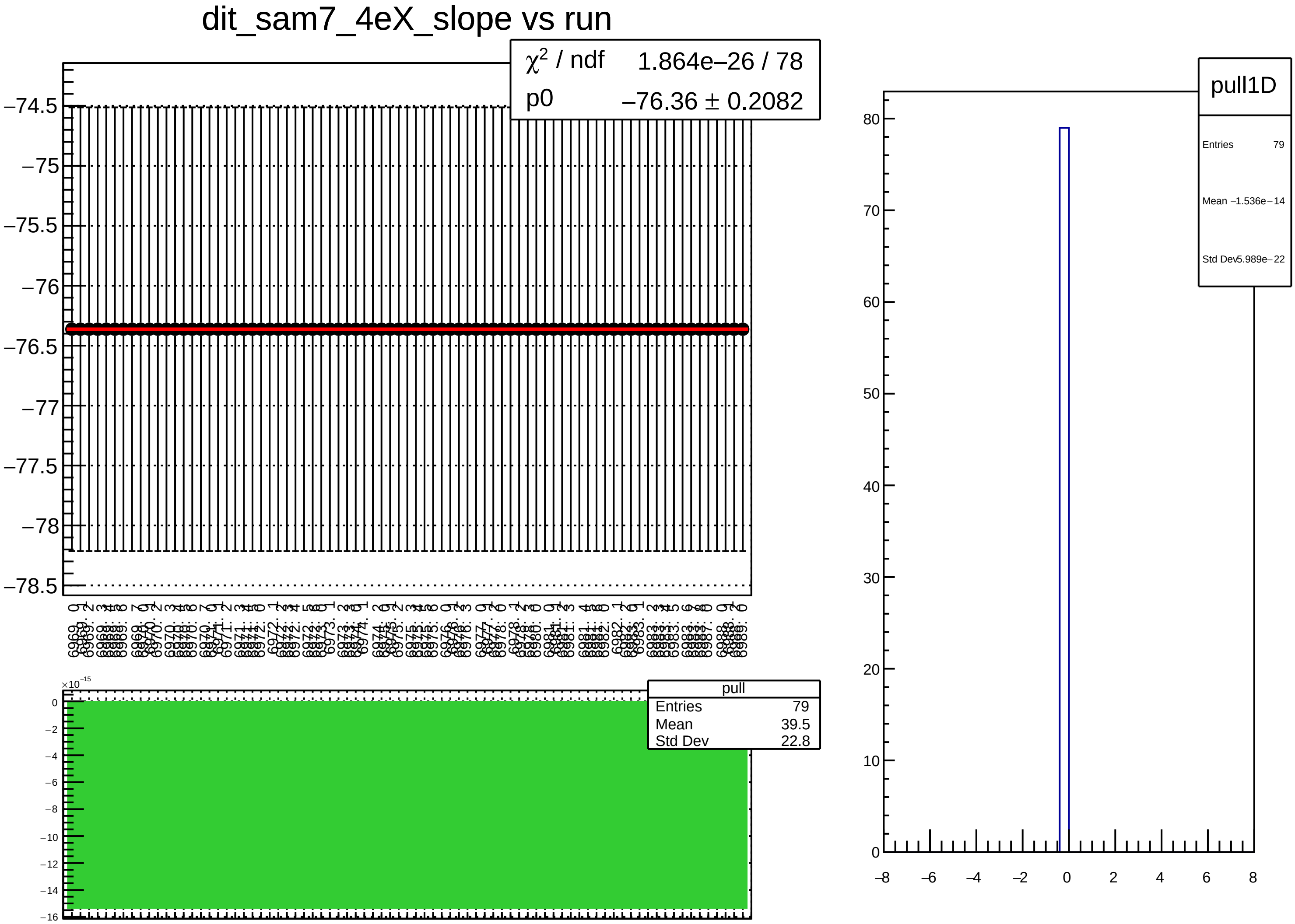
dit_sam6_4aY_slope vs run
χ^2 / ndf 5.124e−27 / 78
p0 15 ± 0.07445
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 8.054e−15
Std Dev 5.187e−22



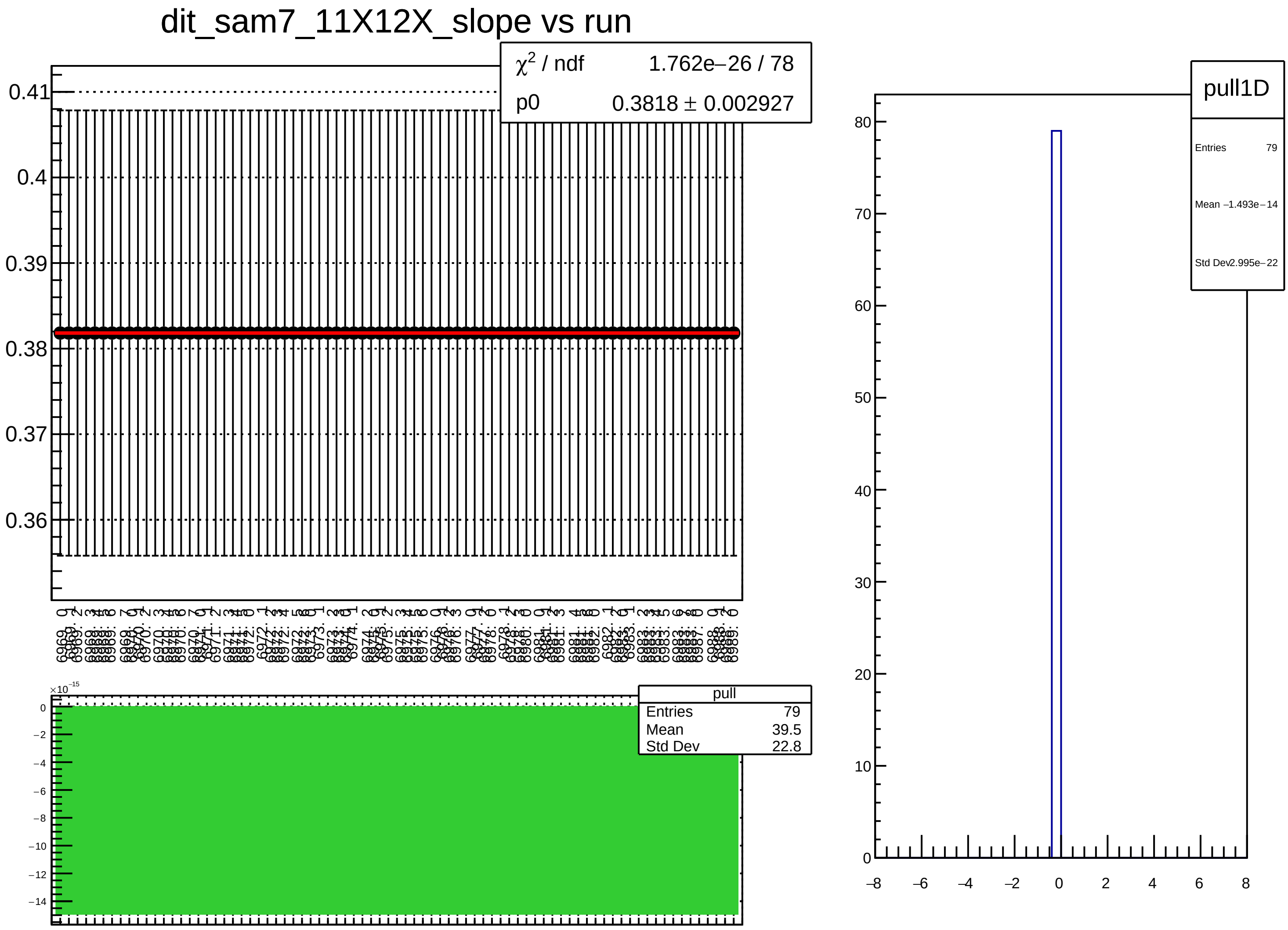
dit_sam6_4eY_slope vs run
χ^2 / ndf 9.055e−24 / 78
p0 101.2 ± 0.09445
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 3.386e−13
Std Dev 1.515e−20



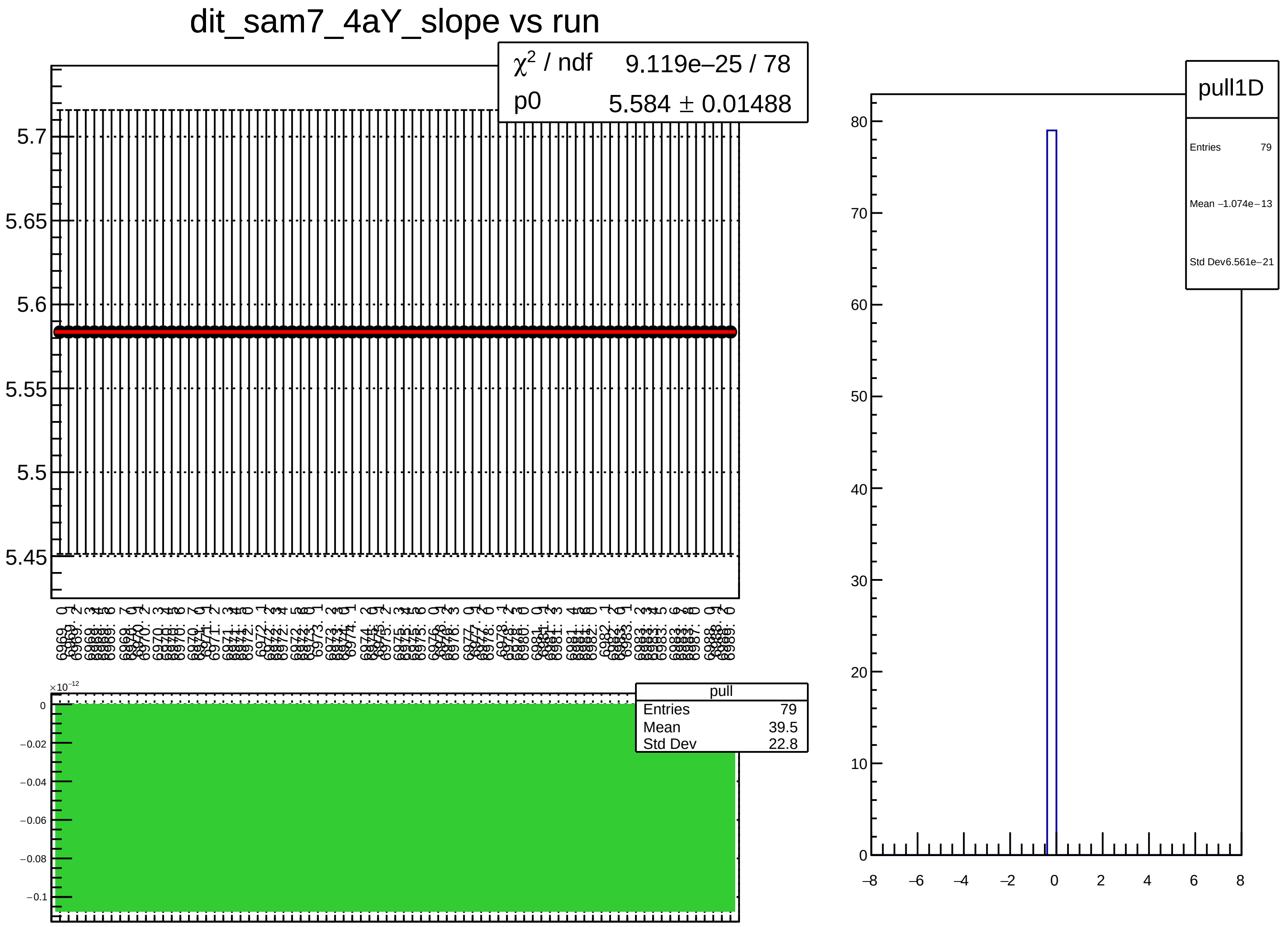
dit_sam7_4aX_slope vs run
χ^2 / ndf 2.863e−25 / 78
p0 38.88 ± 0.2523
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −6.02e−14
Std Dev 1.694e−21

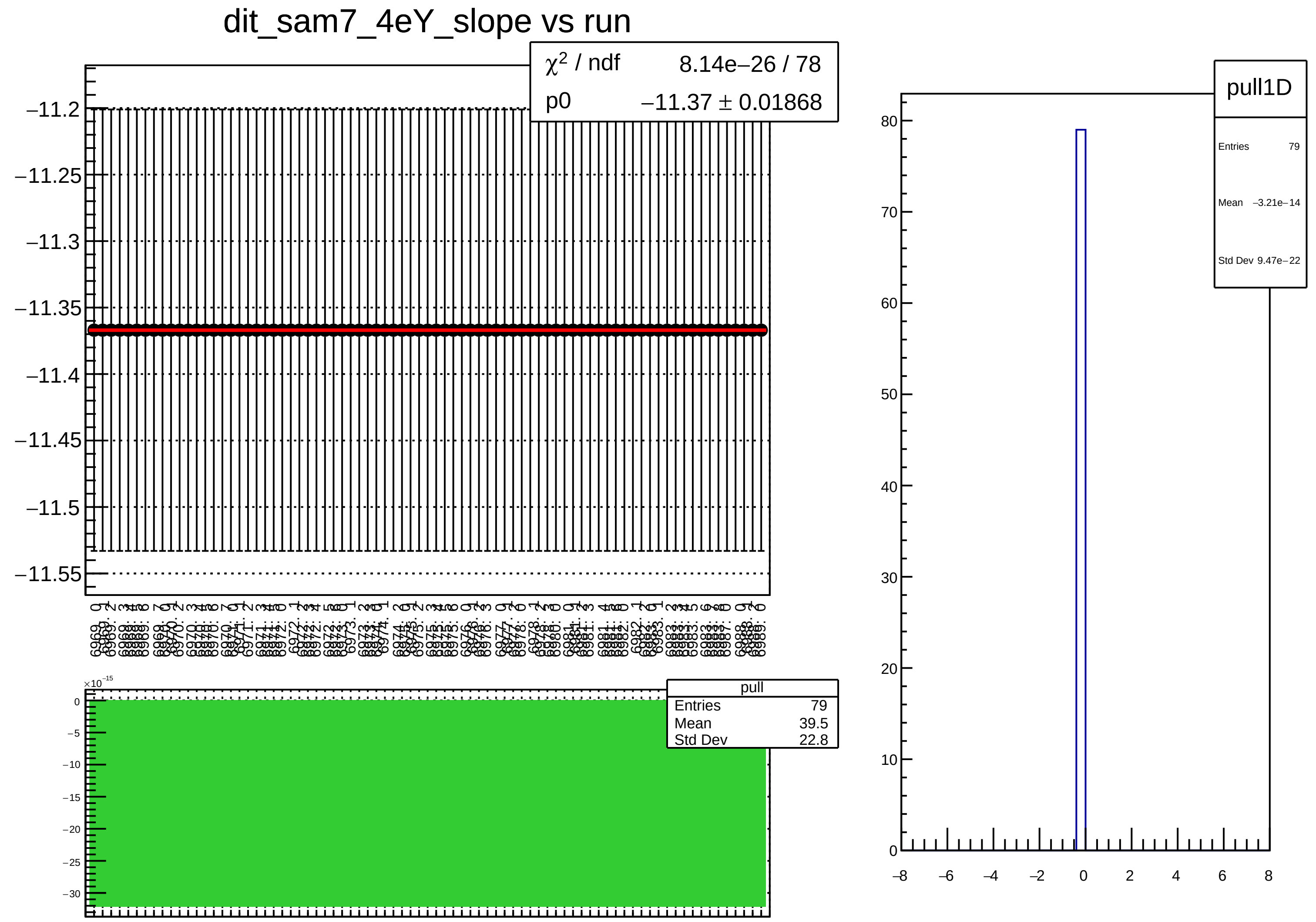


dit_sam7_4eX_slope vs run
χ^2 / ndf 1.864e−26 / 78
p0 −76.36 ± 0.2082
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −1.536e−14
Std Dev 5.989e−22

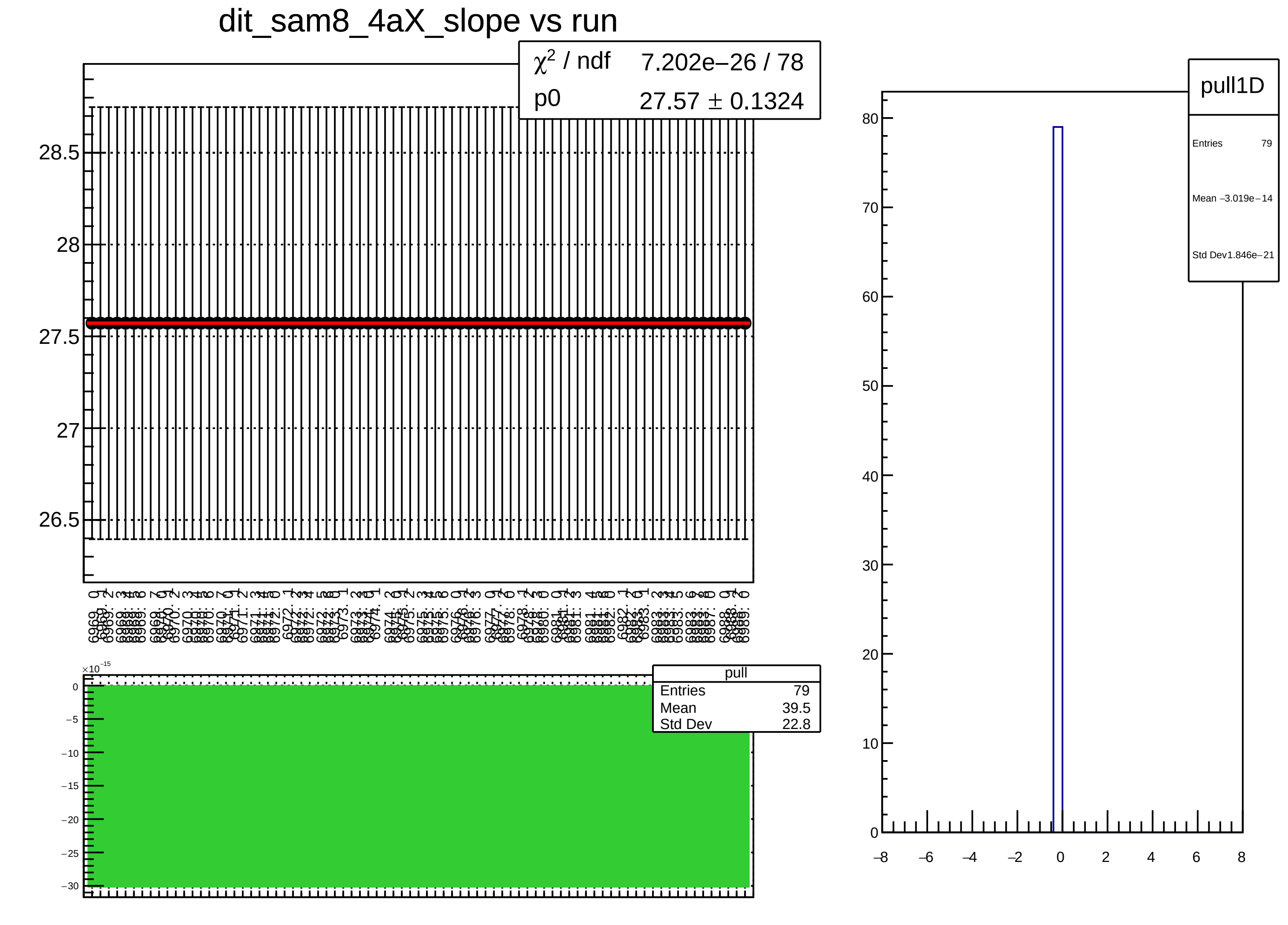


dit_sam7_11X12X_slope vs run
χ2 / ndf 1.762e−26 / 78
p0 0.3818 ± 0.002927
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −1.493e−14
Std Dev2.995e−22

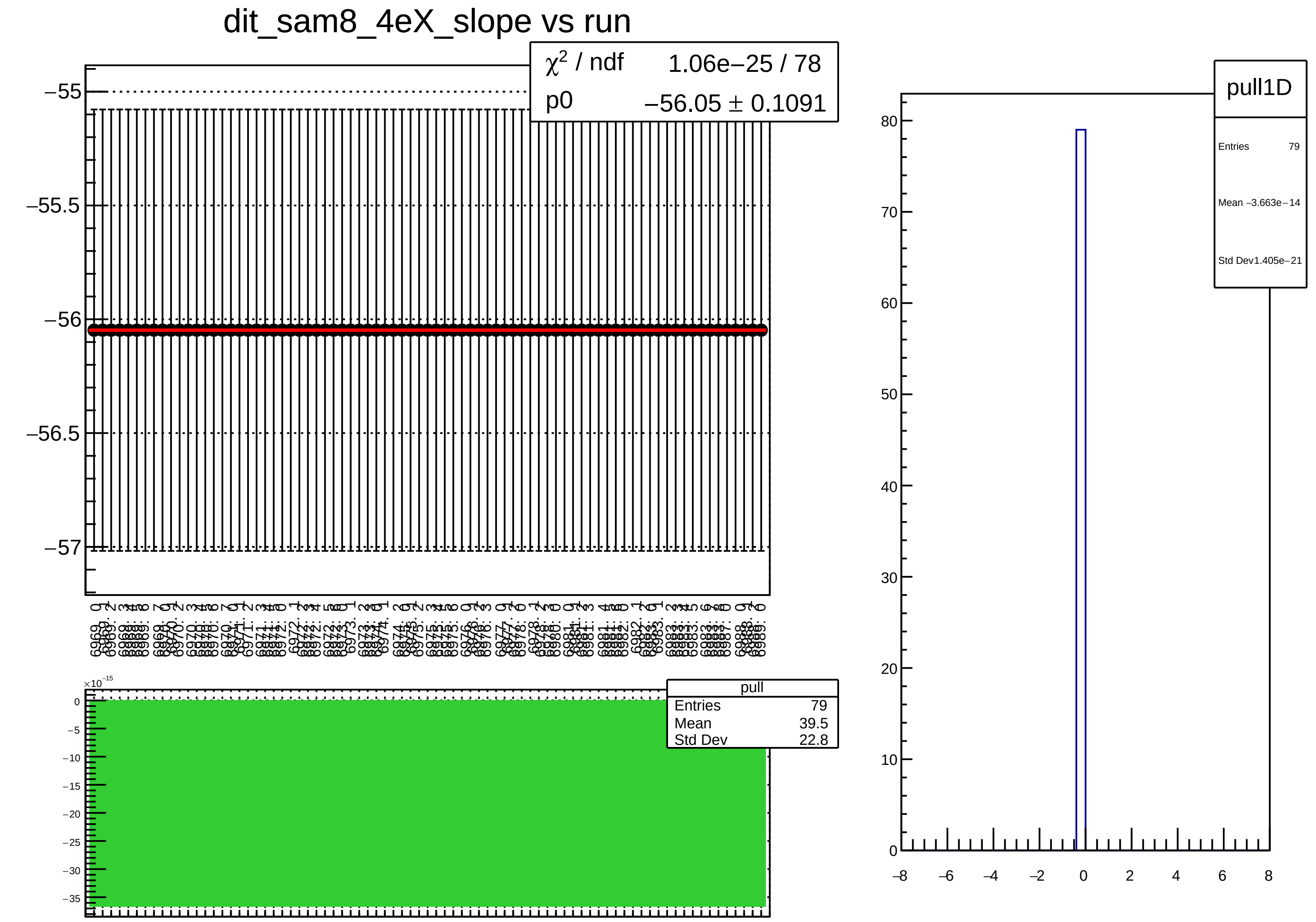

dit_sam7_4aY_slope vs run
χ2 / ndf 9.119e−25 / 78
p0 5.584 ± 0.01488
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −1.074e−13
Std Dev6.561e−21

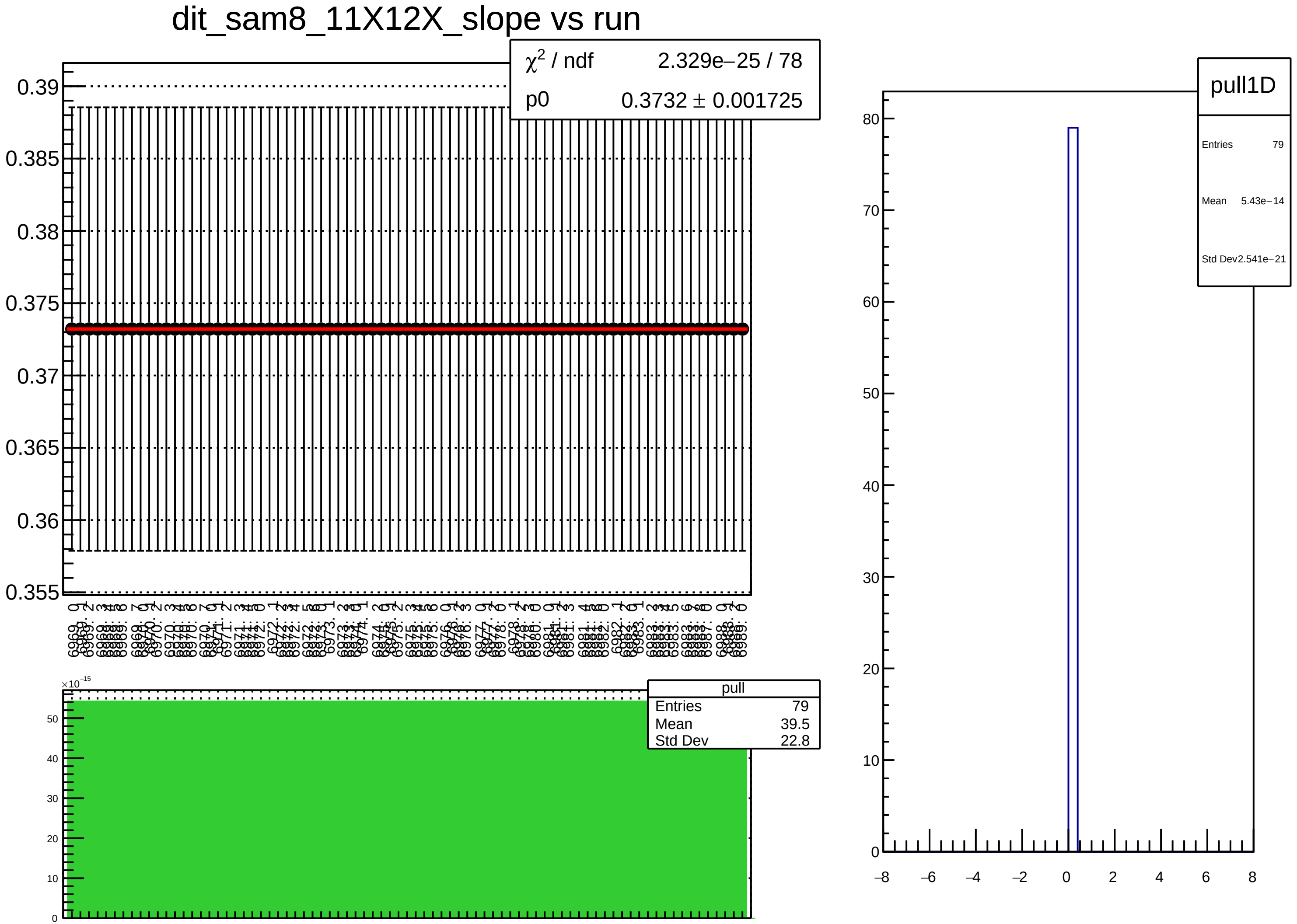


dit_sam7_4eY_slope vs run
χ2 / ndf 8.14e−26 / 78
p0 −11.37 ± 0.01868
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −3.21e−14
Std Dev 9.47e−22



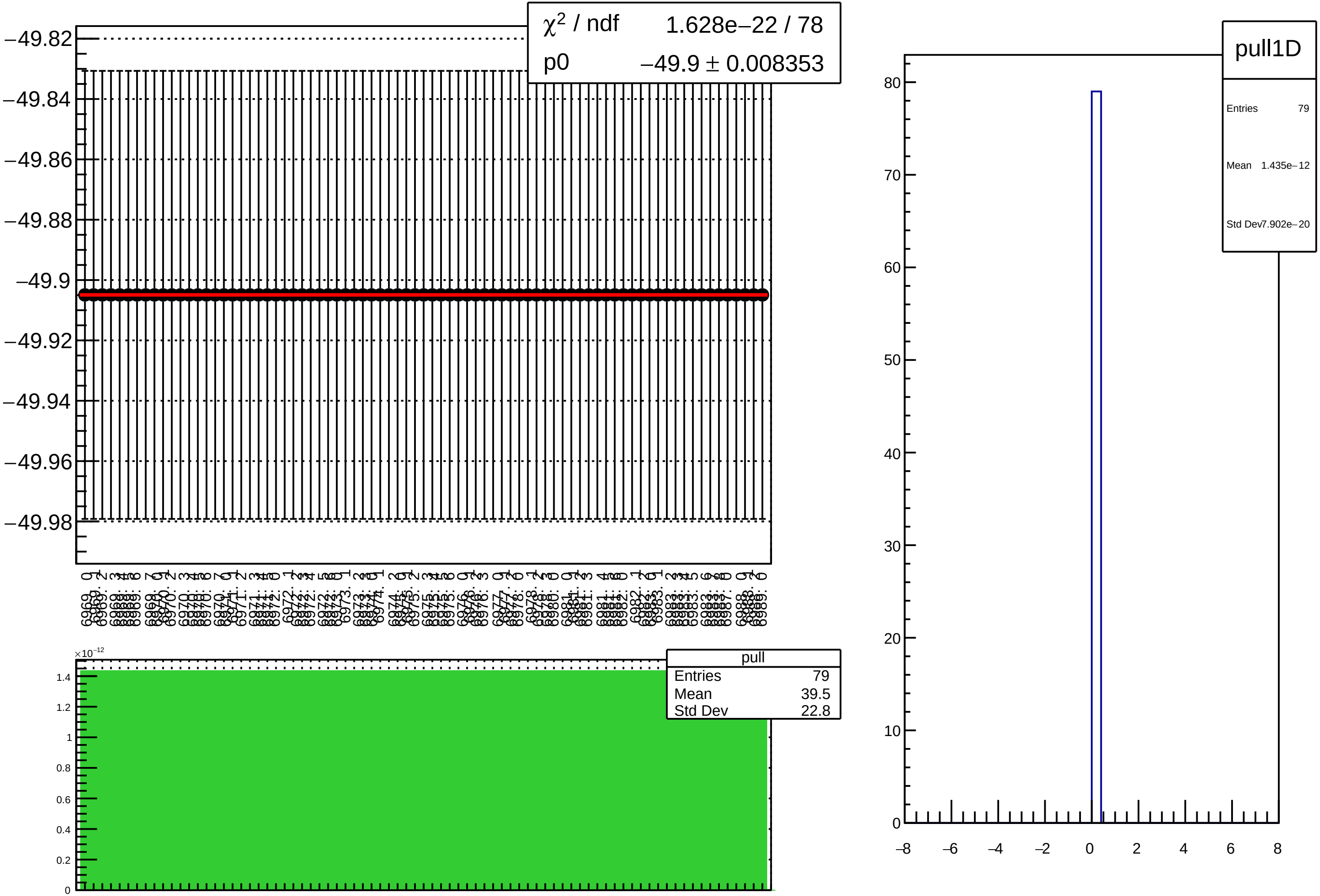
dit_sam8_4aX_slope vs run
χ2 / ndf 7.202e−26 / 78
p0 27.57 ± 0.1324
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −3.019e−14
Std Dev 1.846e−21

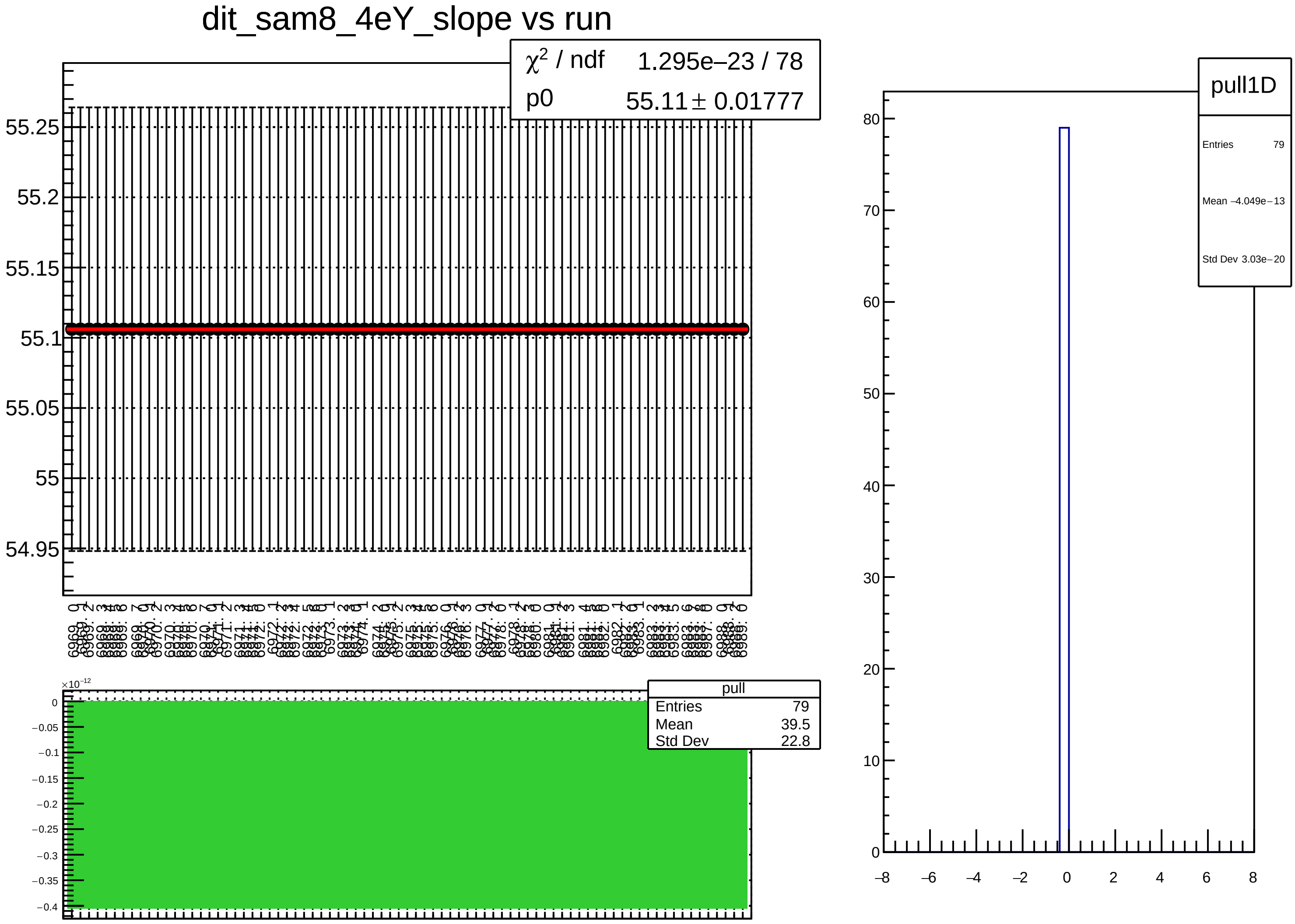

dit_sam8_4eX_slope vs run
χ2 / ndf 1.06e−25 / 78
p0 −56.05 ± 0.1091
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −3.663e−14
Std Dev 1.405e−21



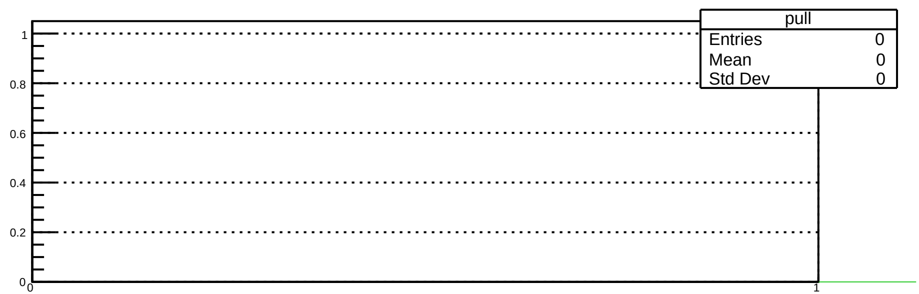
dit_sam8_11X12X_slope vs run
χ2 / ndf 2.329e−25 / 78
p0 0.3732 ± 0.001725
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean 5.43e−14
Std Dev 2.541e−21

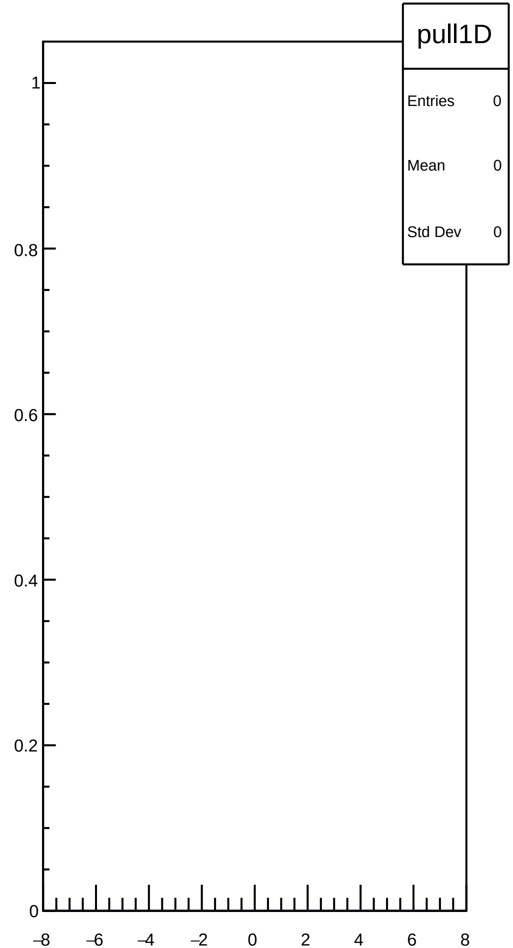
dit_sam8_4aY_slope vs run

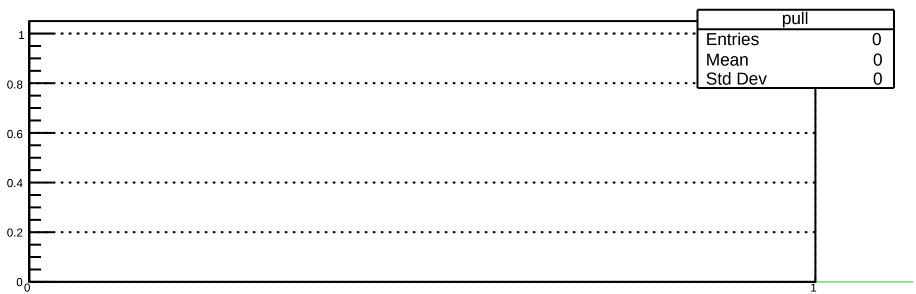


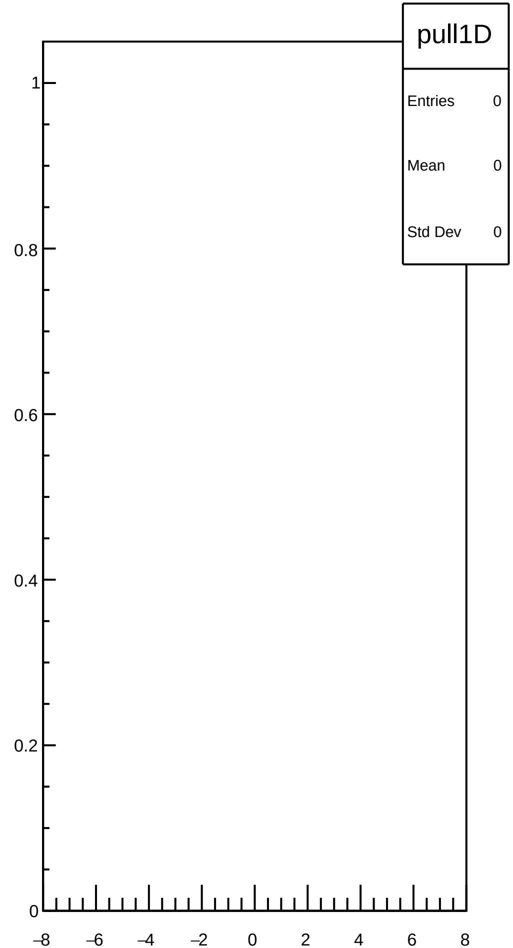


dit_sam8_4eY_slope vs run
χ2 / ndf 1.295e−23 / 78
p0 55.11 ± 0.01777
pull
Entries 79
Mean 39.5
Std Dev 22.8
pull1D
Entries 79
Mean −4.049e−13
Std Dev 3.03e−20


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


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


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


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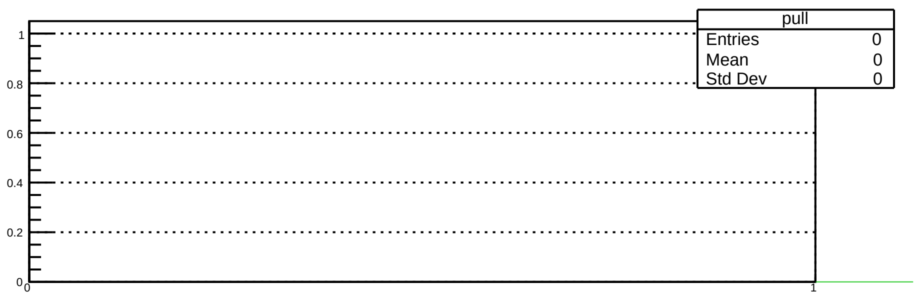
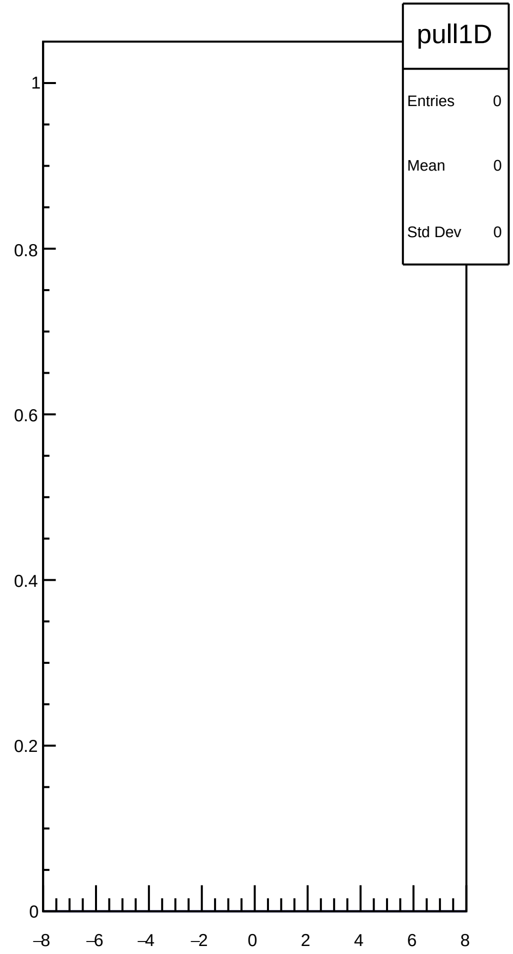
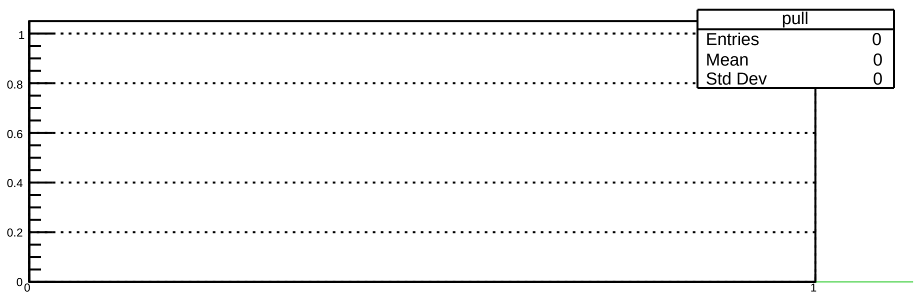
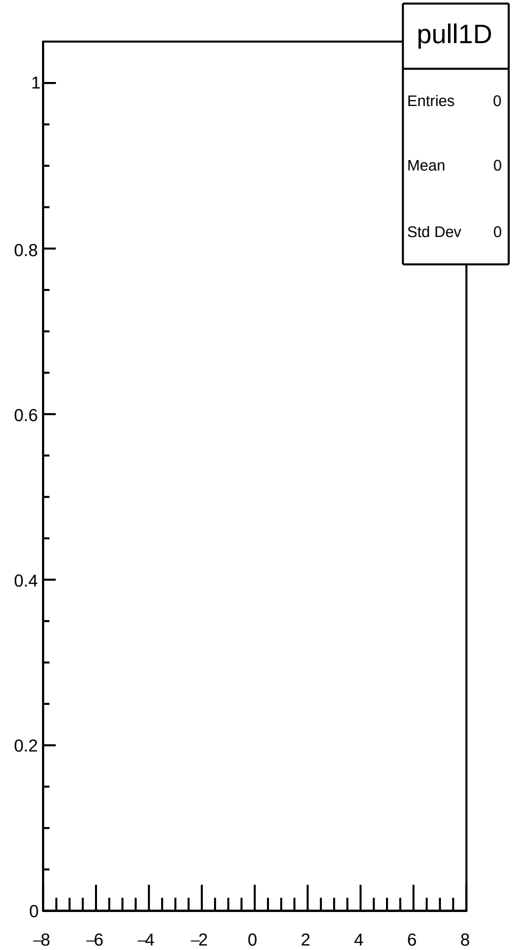
0
2
4
6
8


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

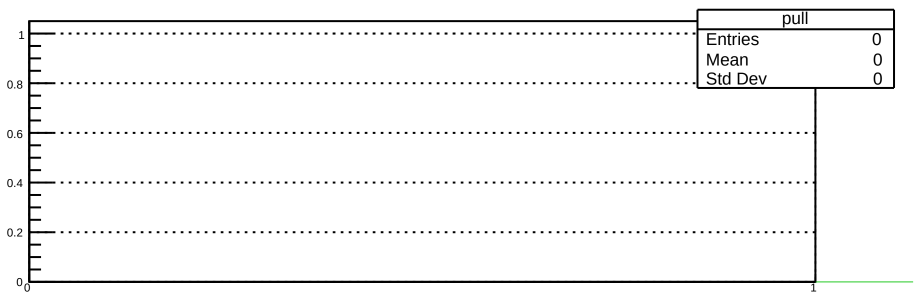

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8



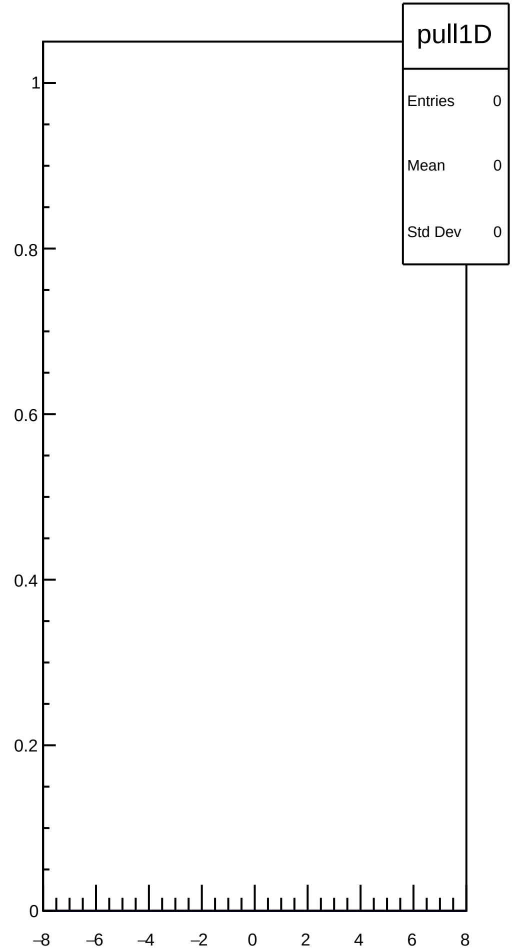
pull
Entries 0
Mean 0
Std Dev 0



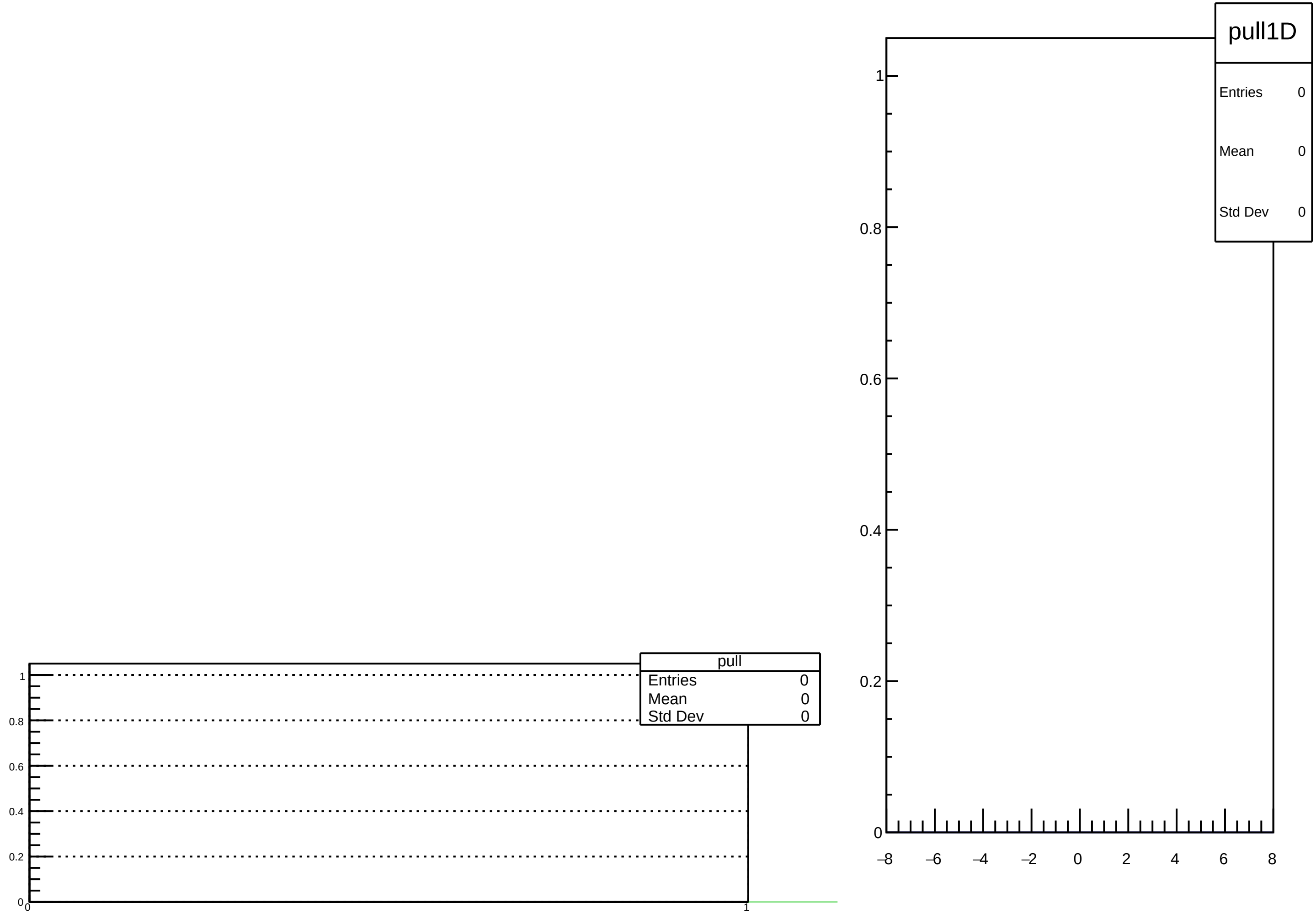
pull1D
Entries 0
Mean 0
Std Dev 0

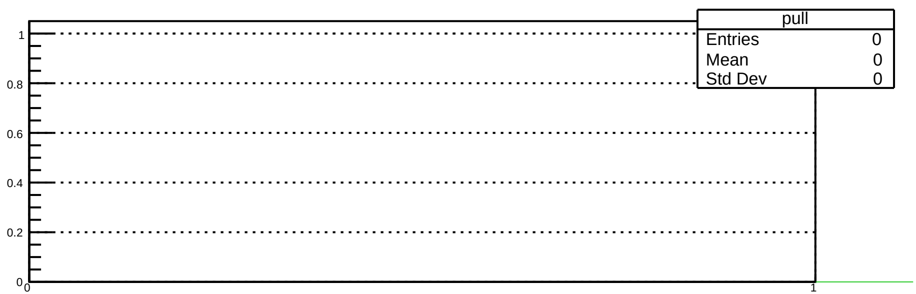


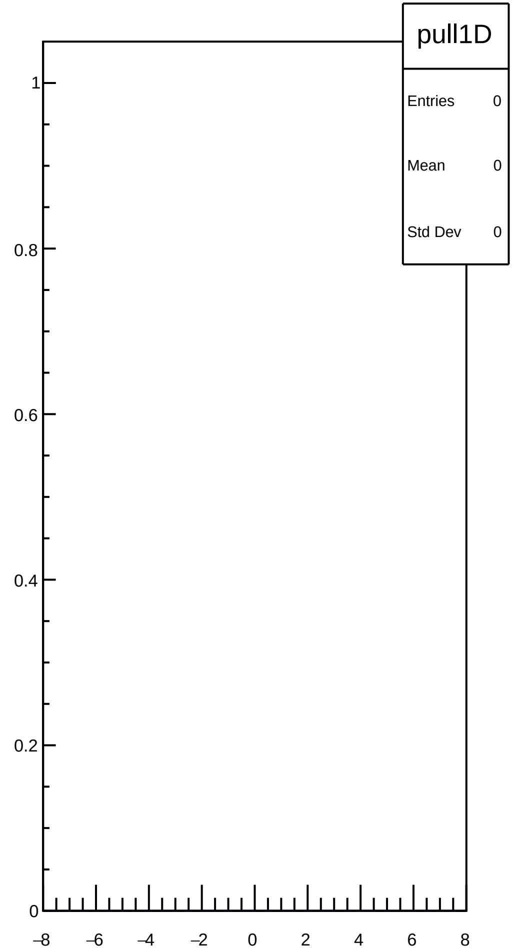
pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

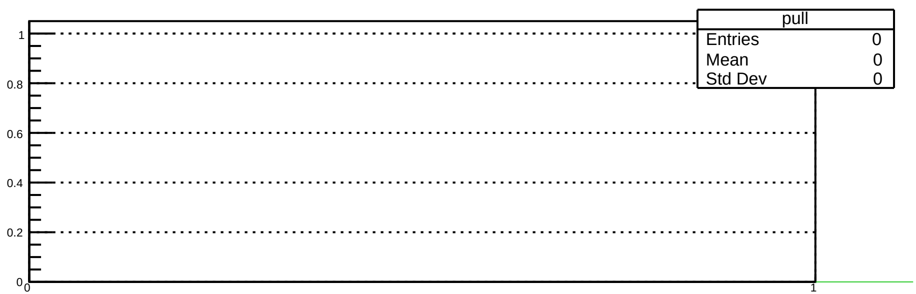


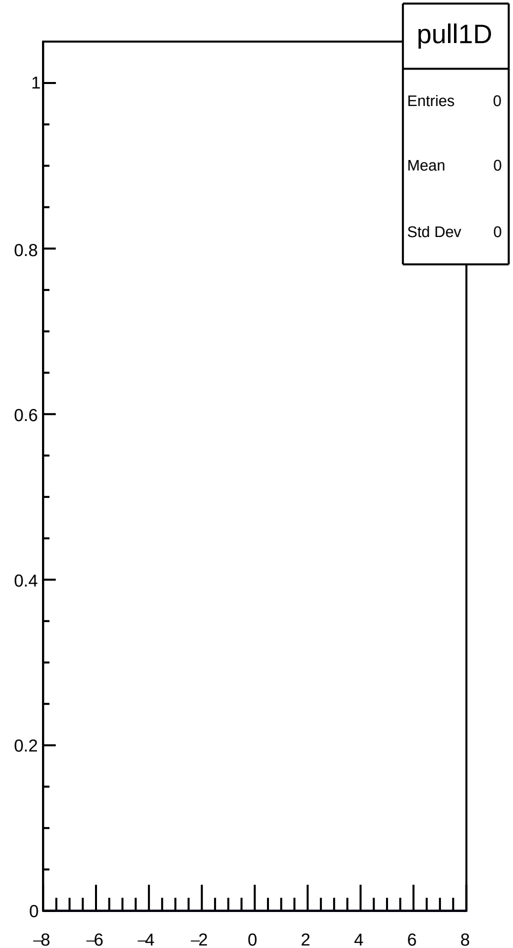
pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

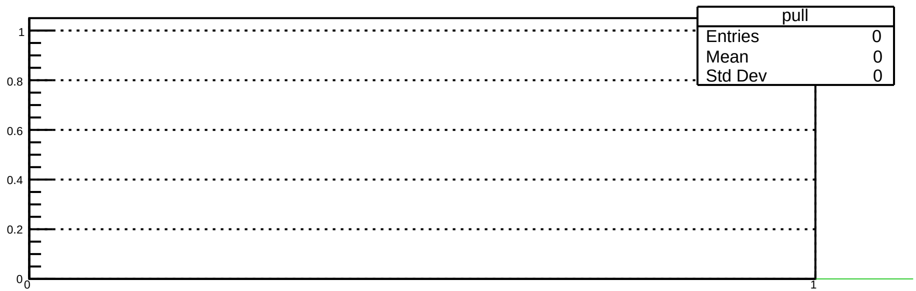

pull
Entries 0
Mean 0
Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0

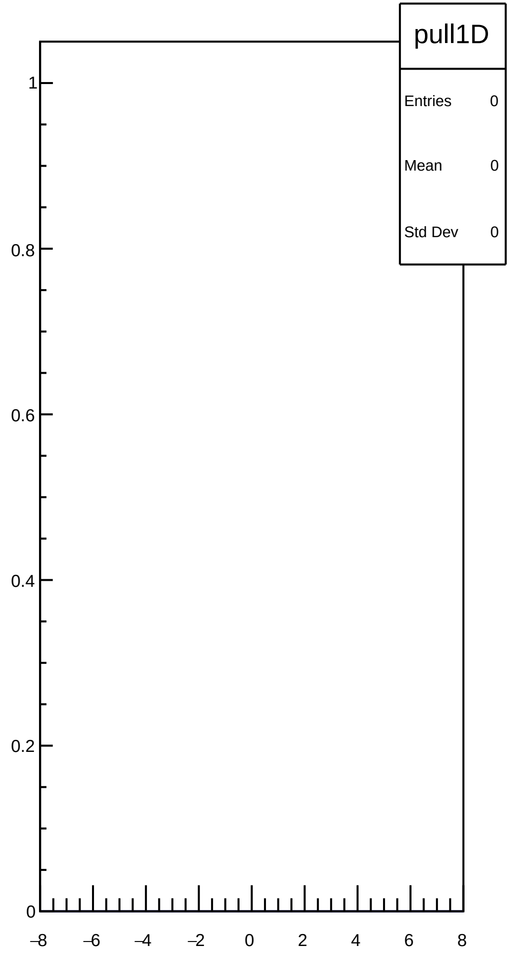

pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1


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


pull
Entries 0
Mean 0
Std Dev 0


pull1D
Entries 0
Mean 0
Std Dev 0


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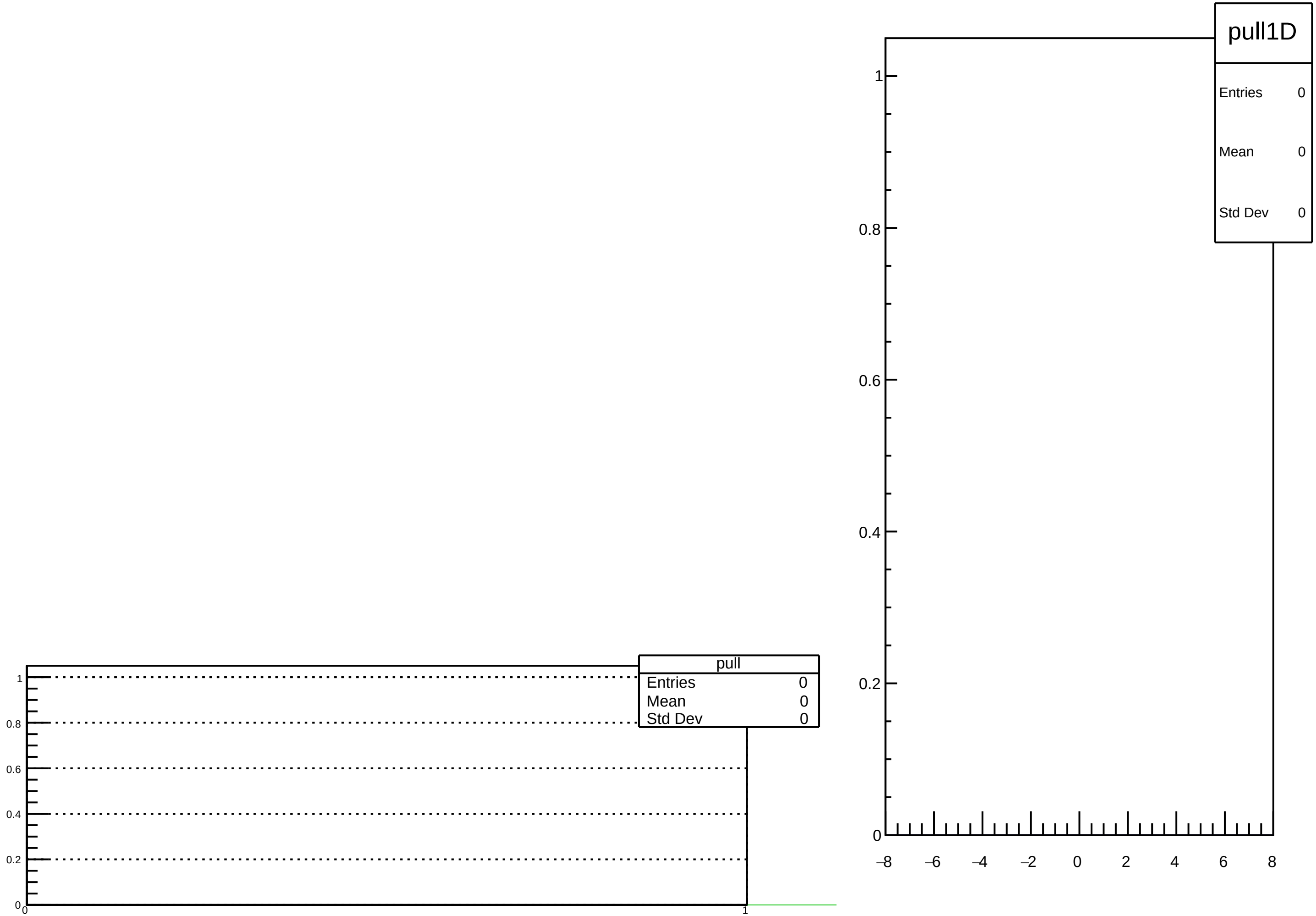

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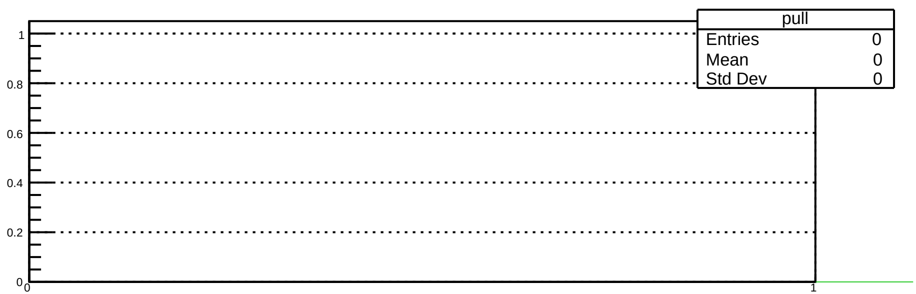
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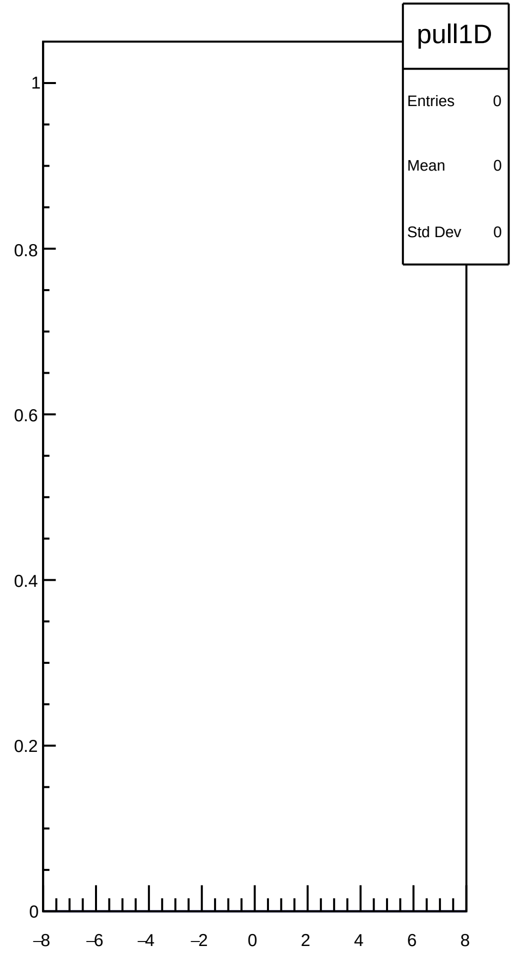
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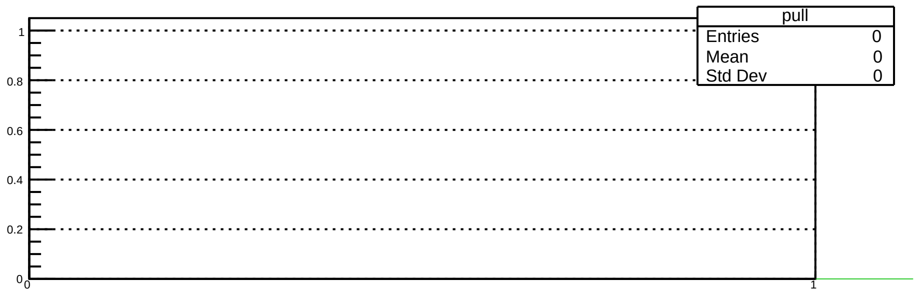

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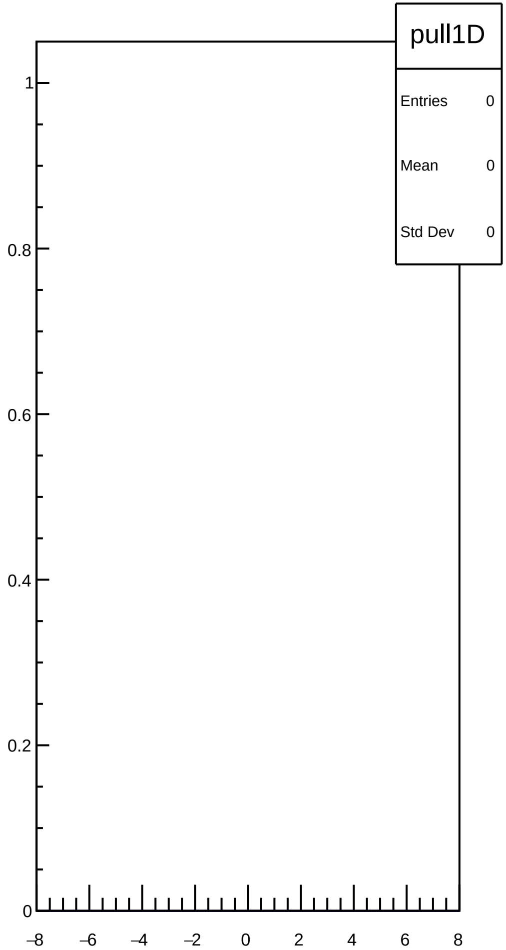

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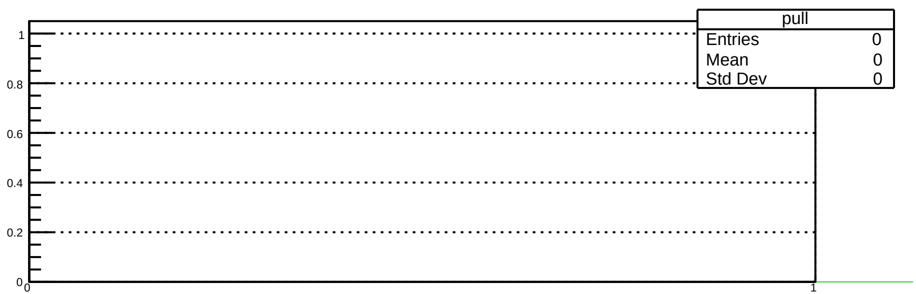
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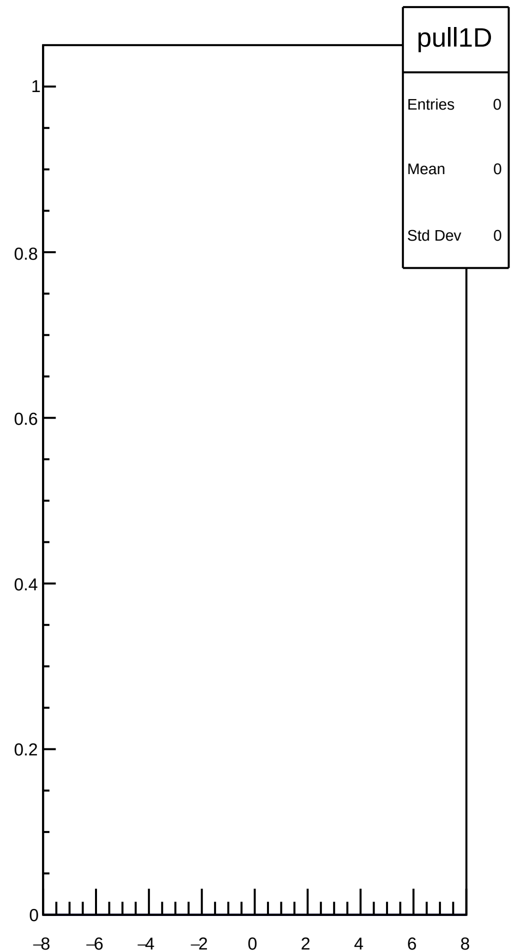
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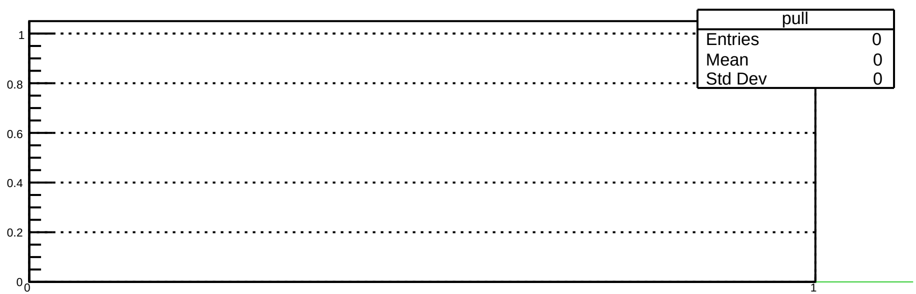
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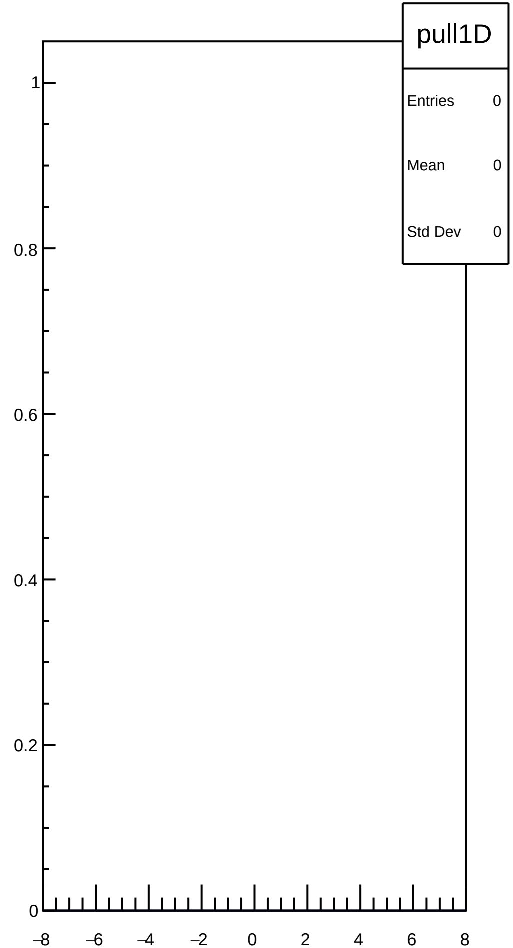
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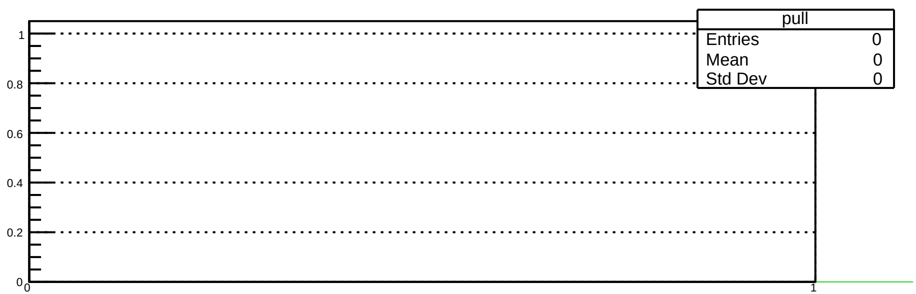
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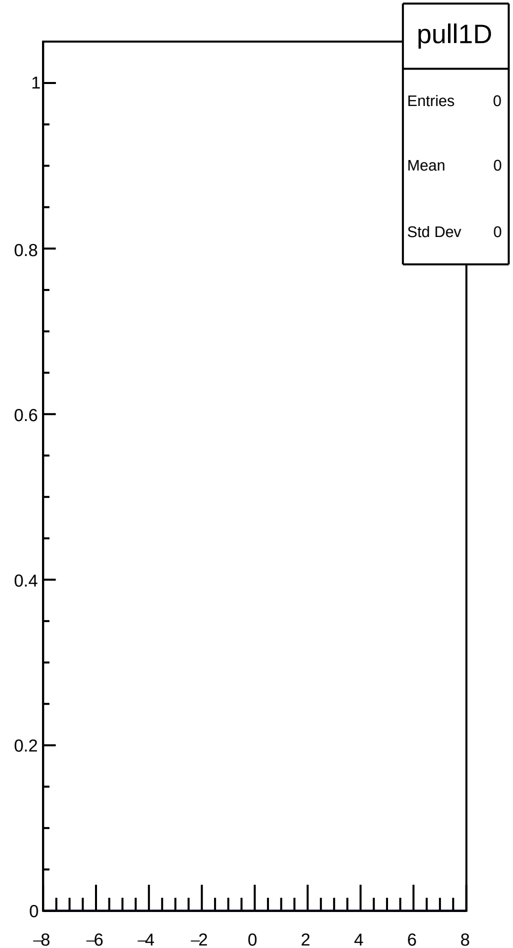
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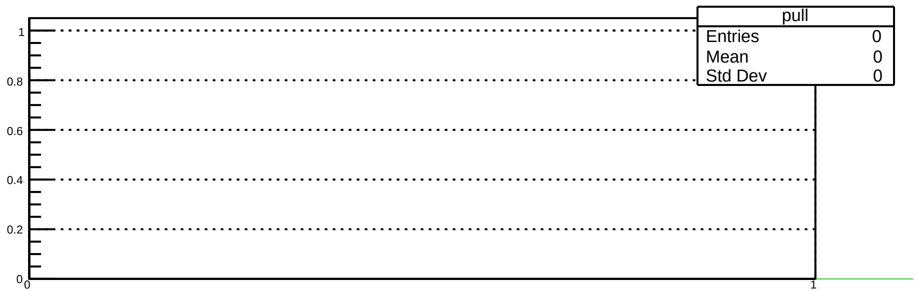

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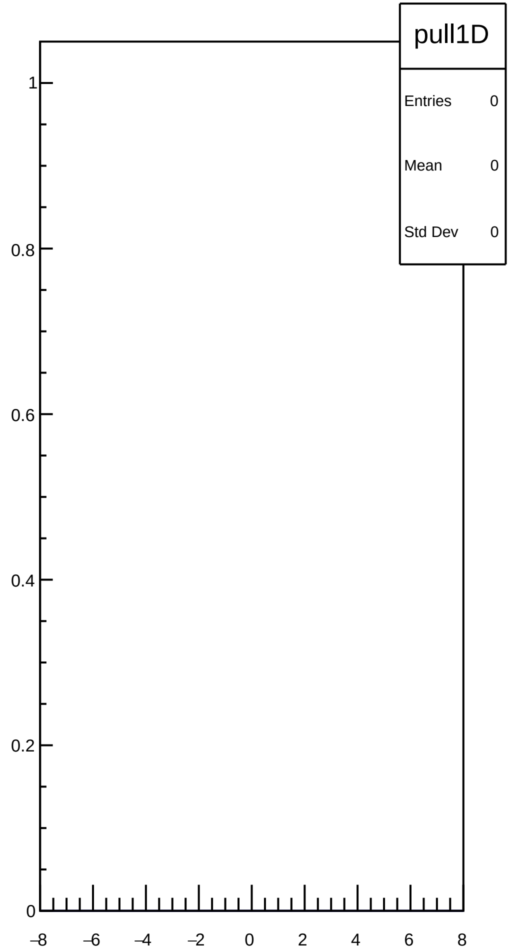

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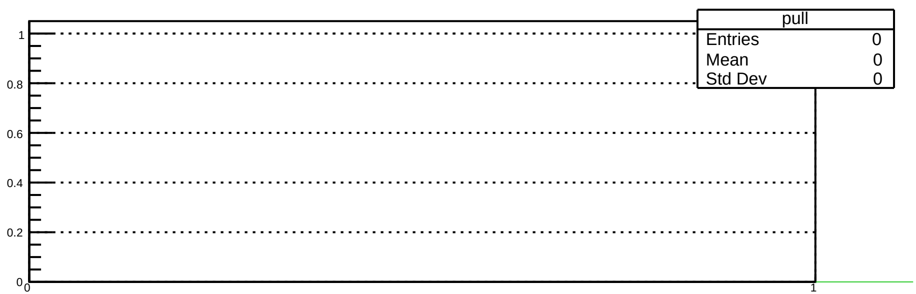
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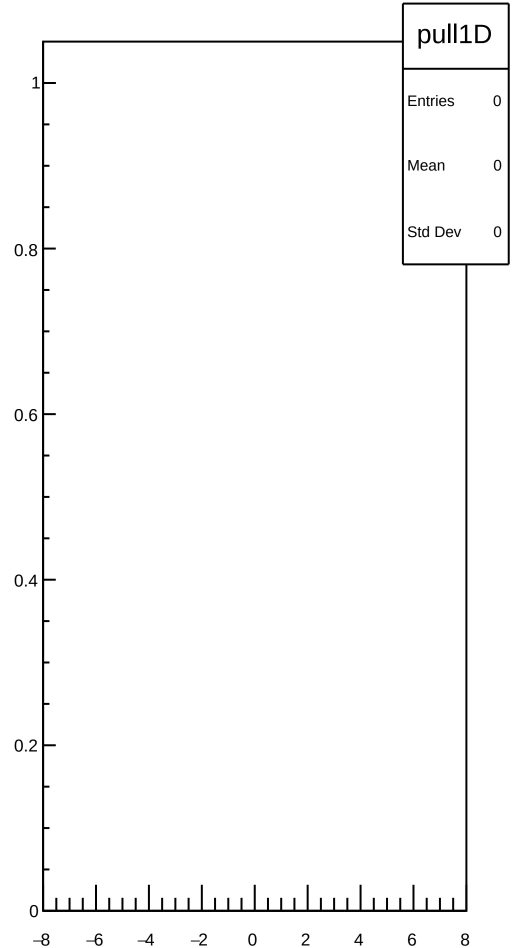
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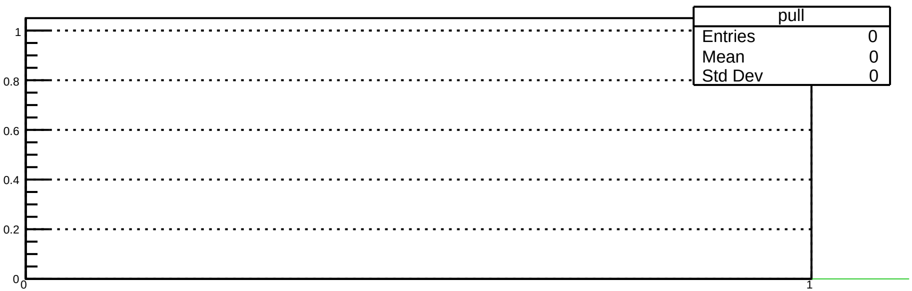
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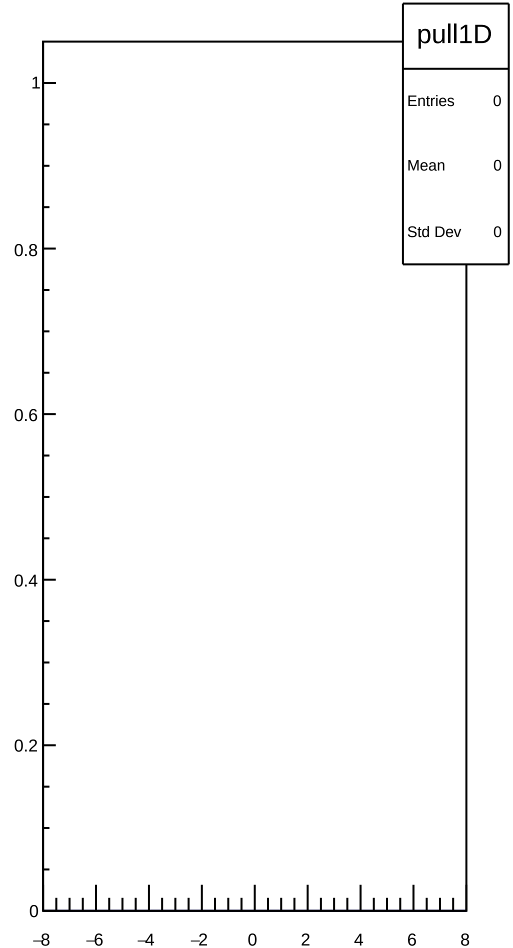
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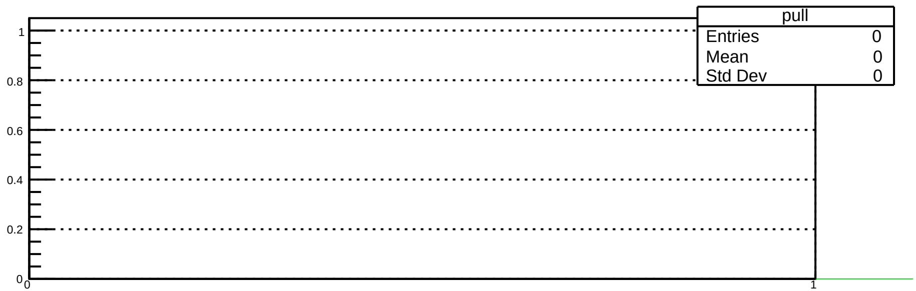
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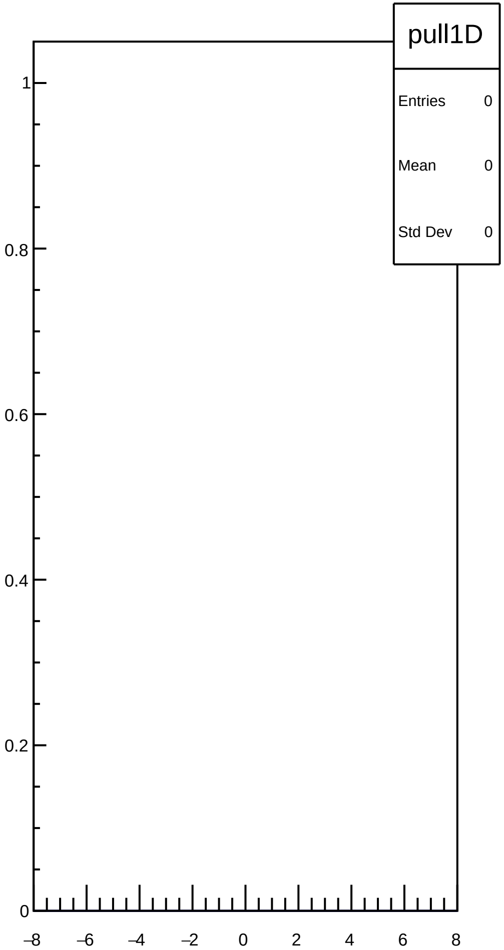
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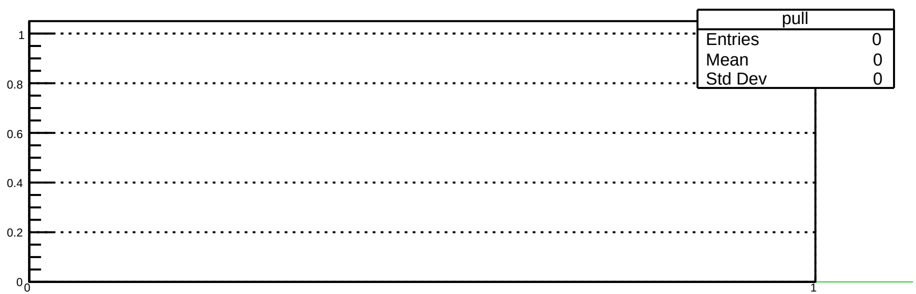
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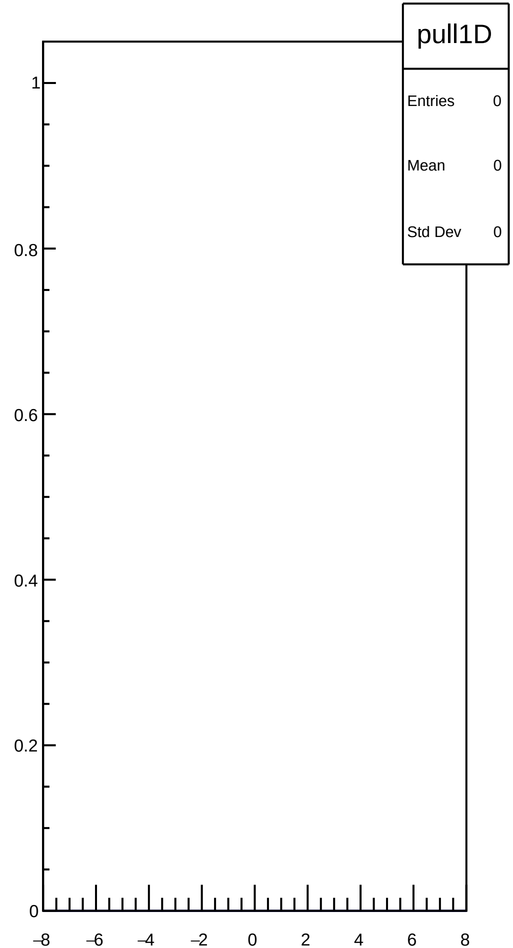
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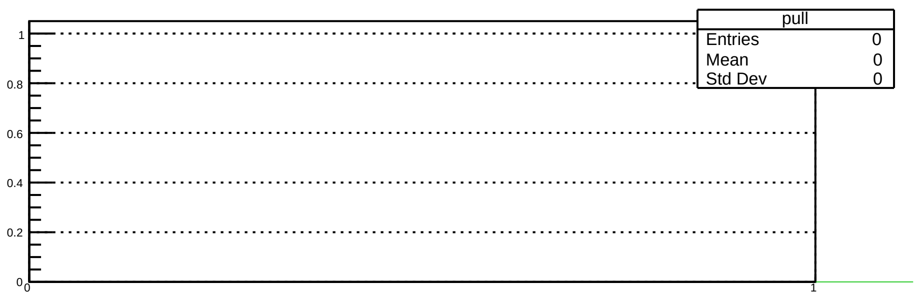

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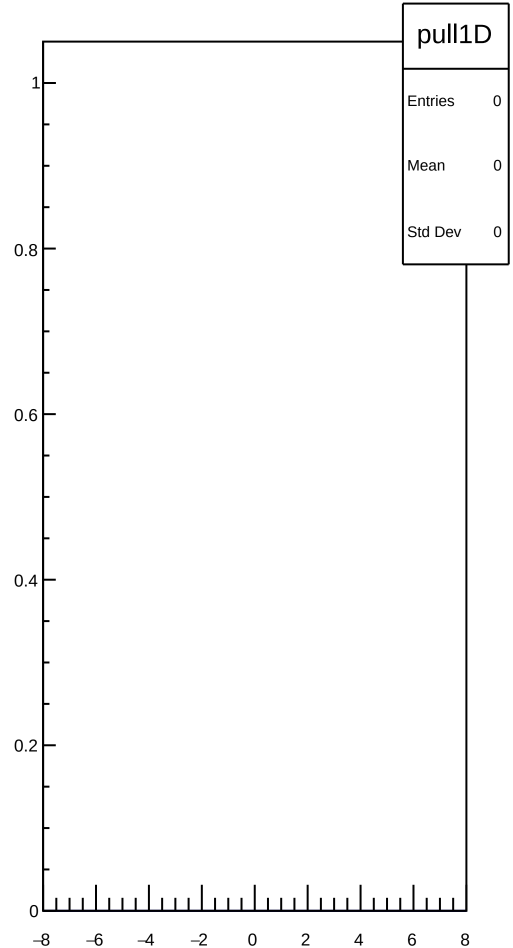

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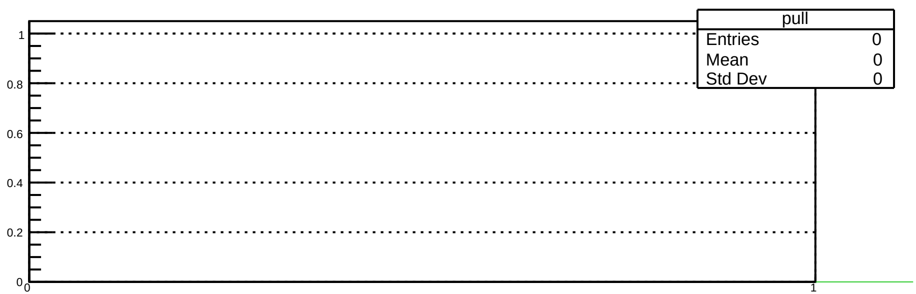
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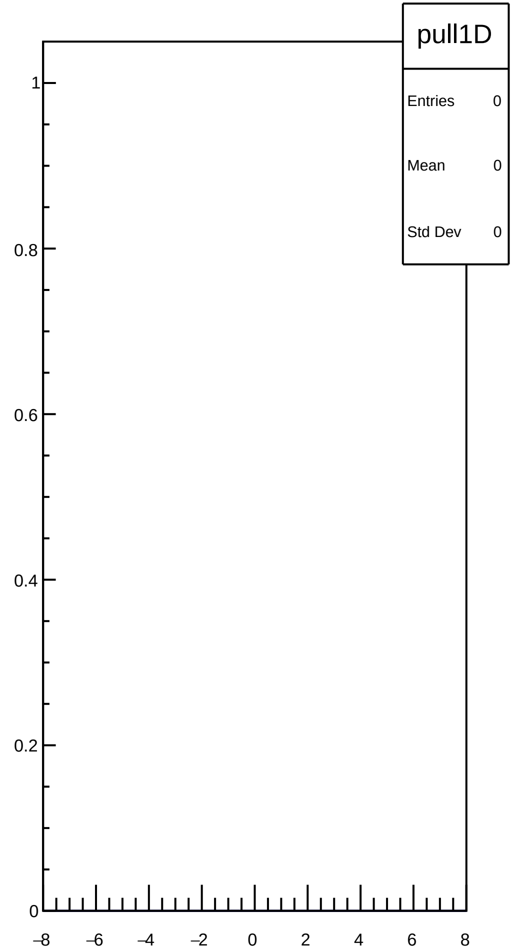
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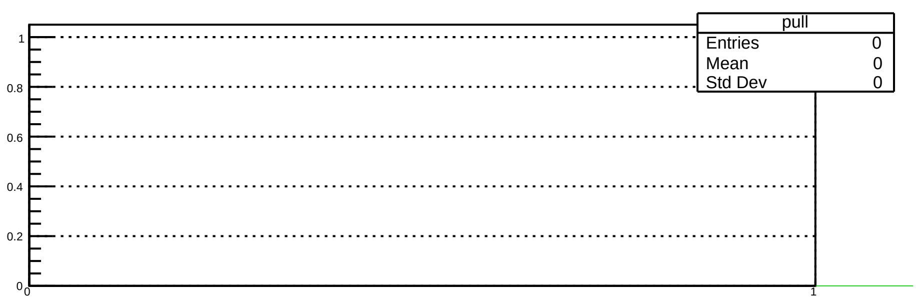
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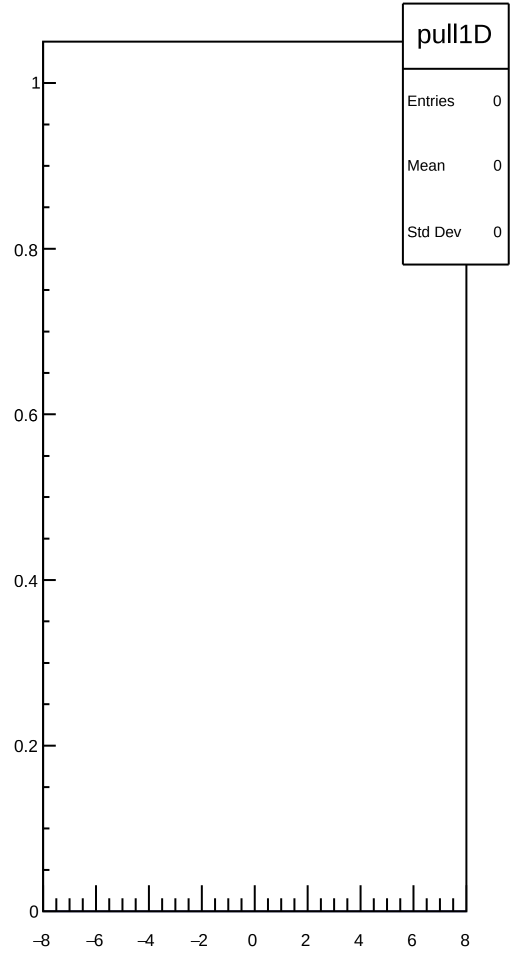
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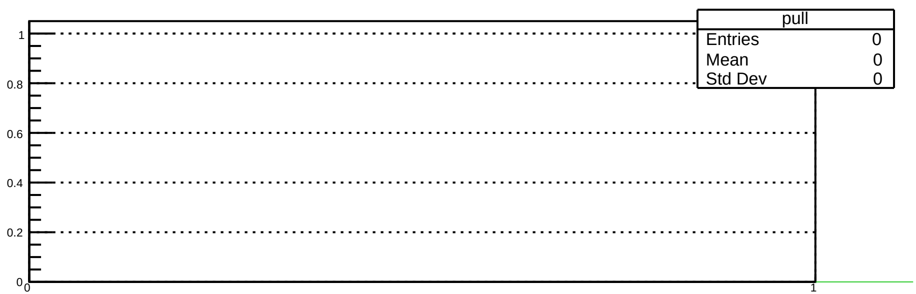

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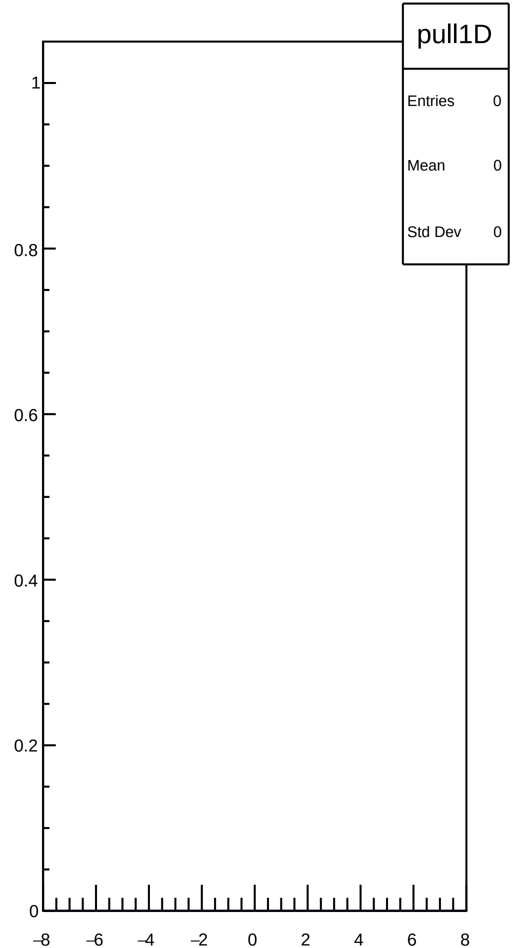

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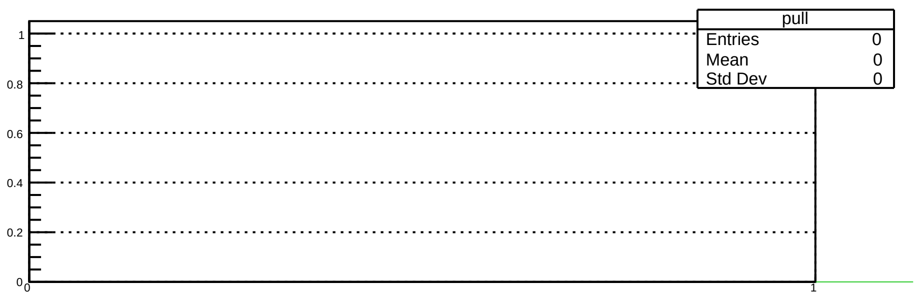
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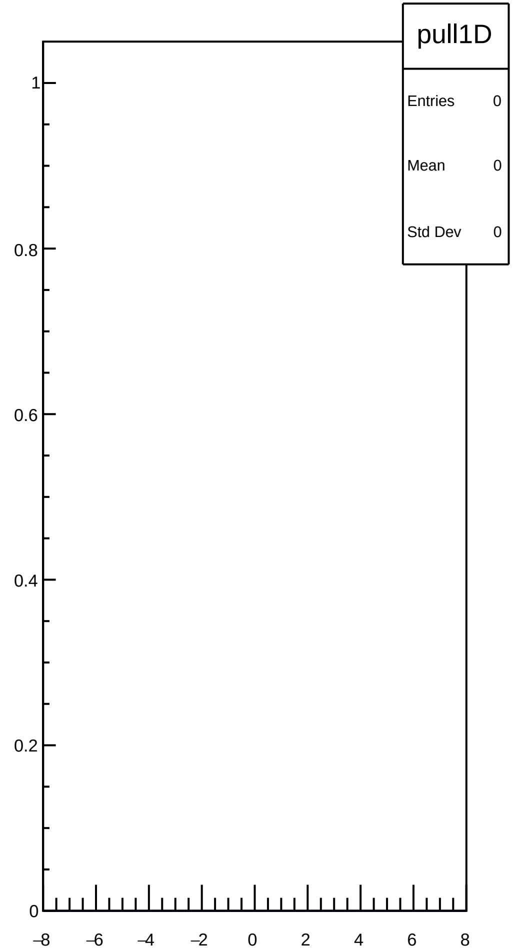
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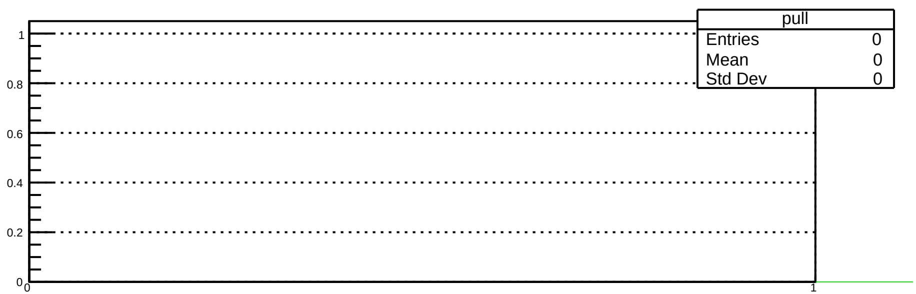
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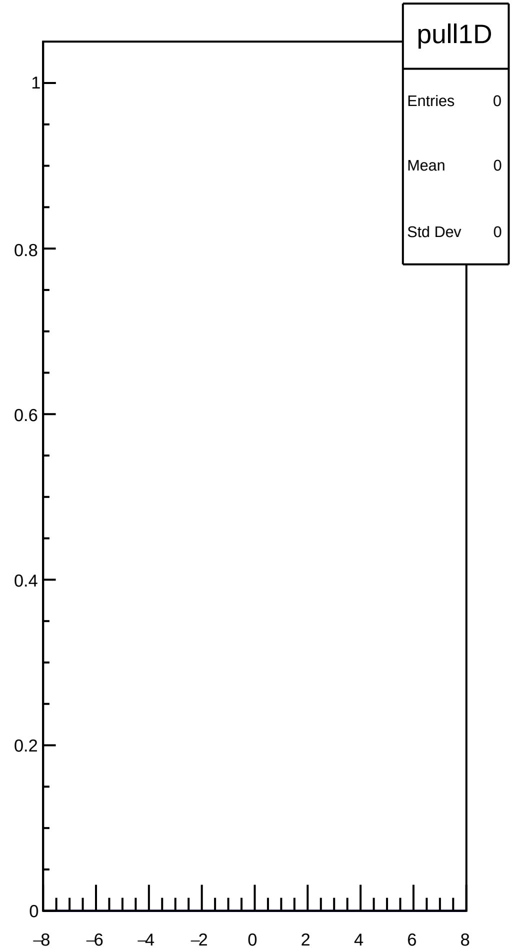
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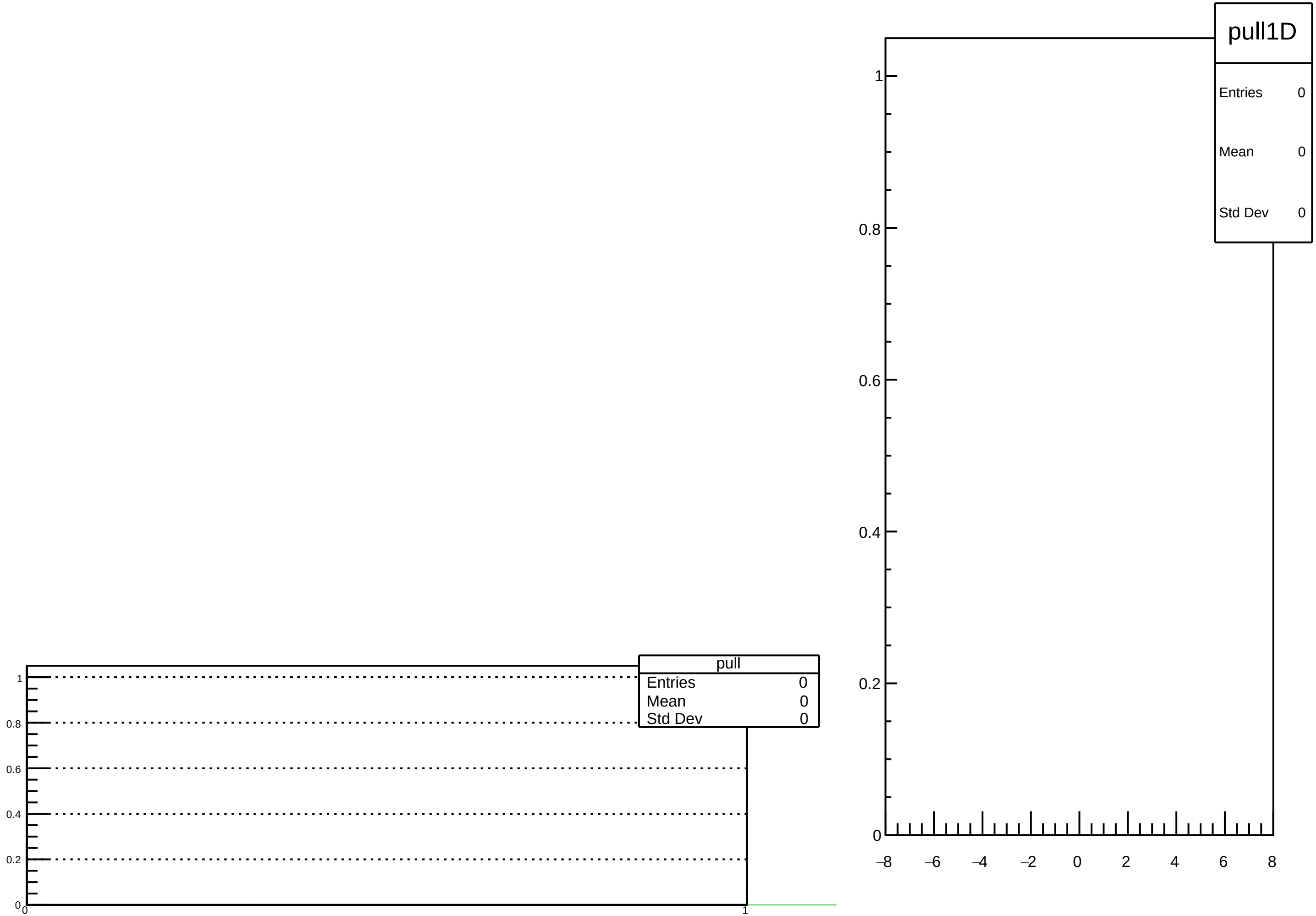

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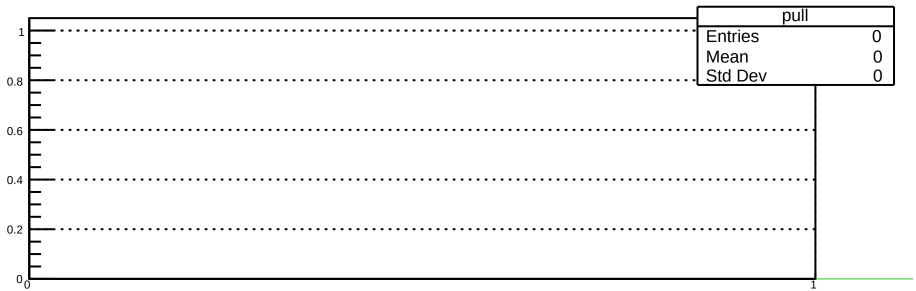
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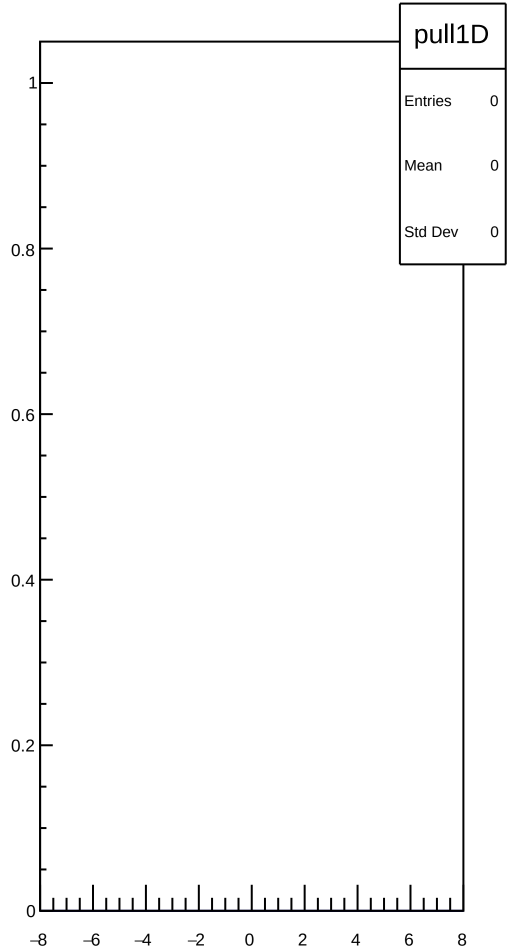
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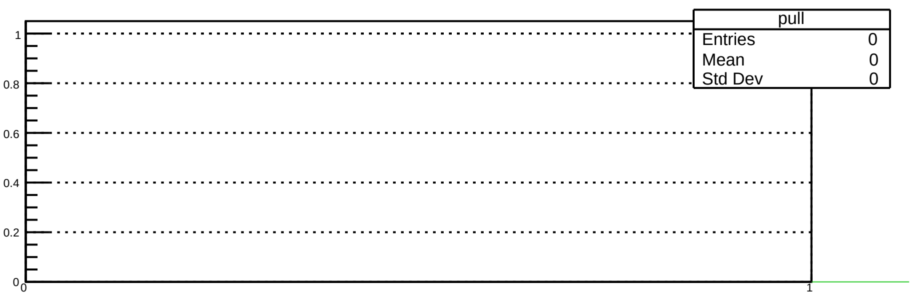
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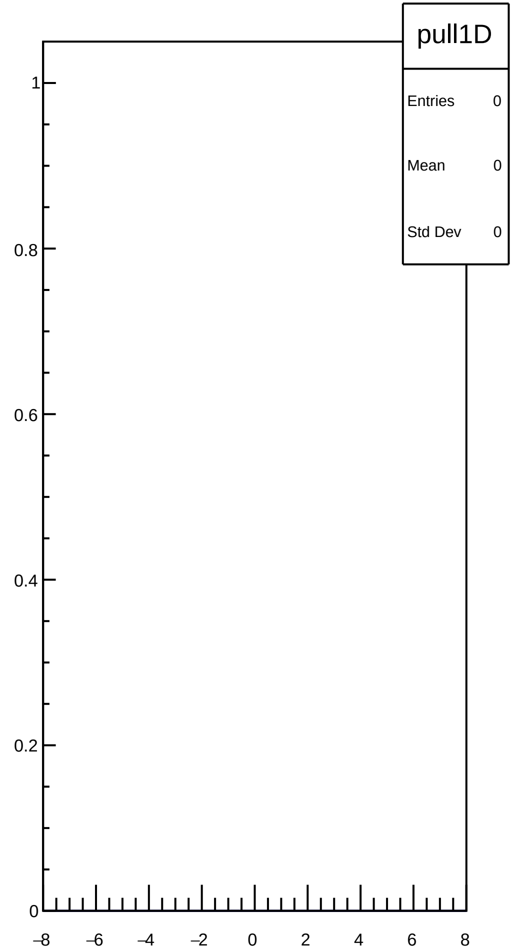
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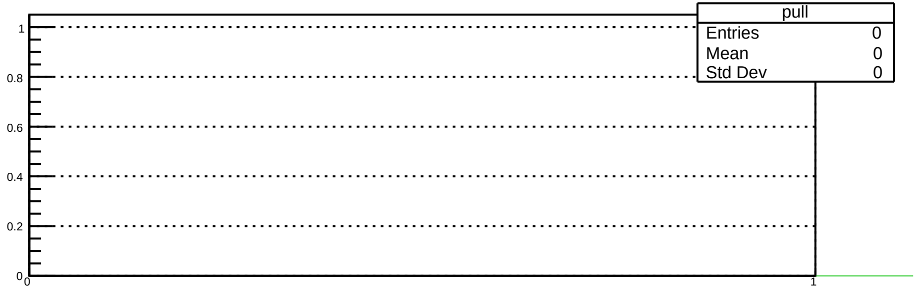
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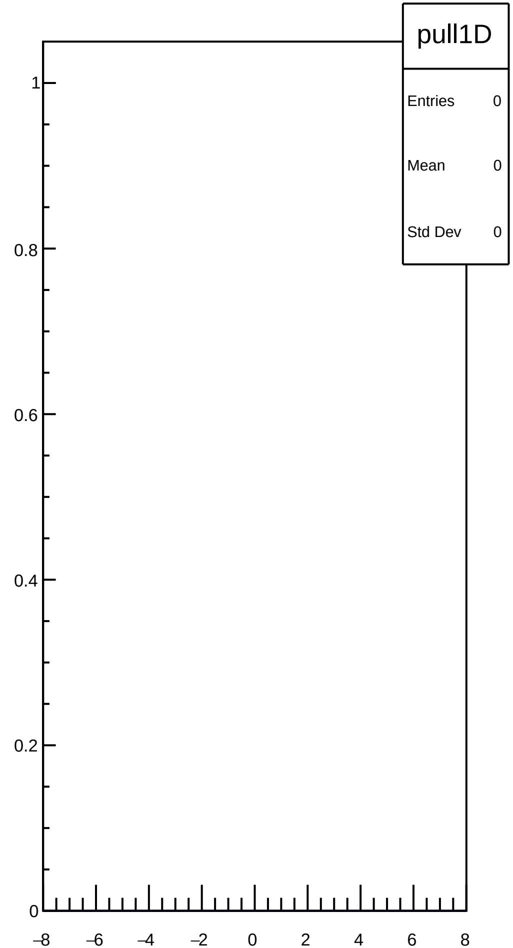
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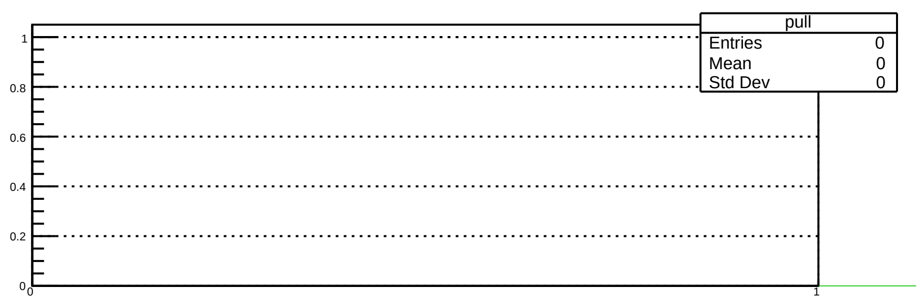
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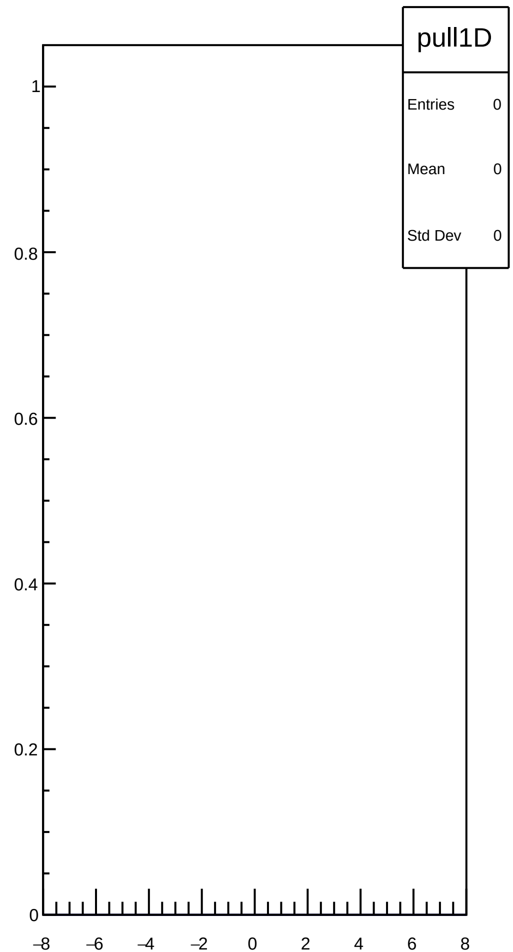
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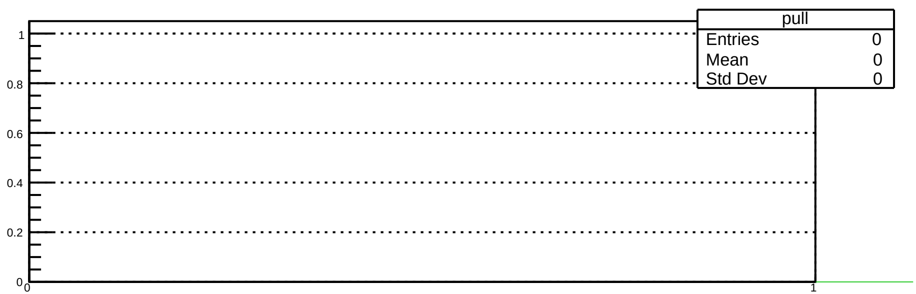
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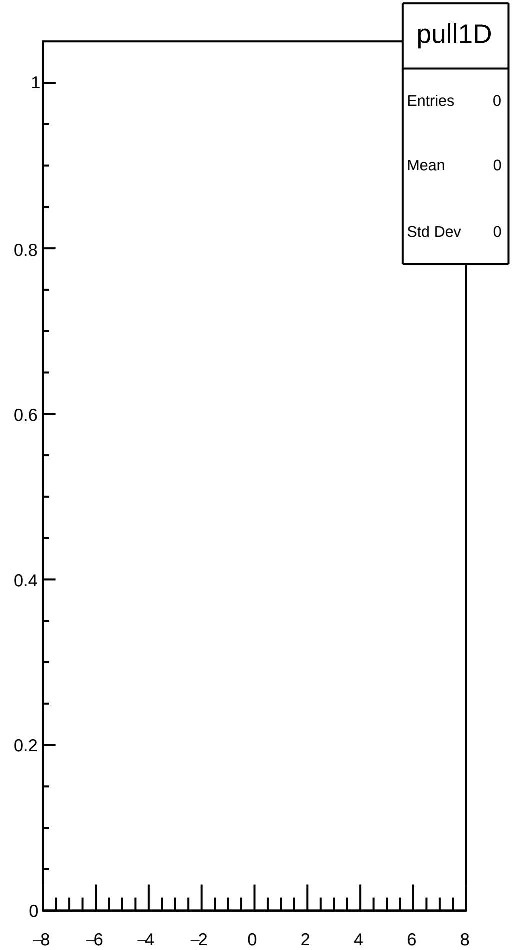
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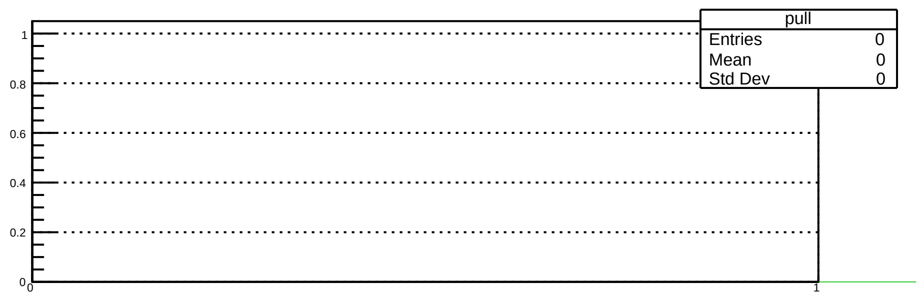
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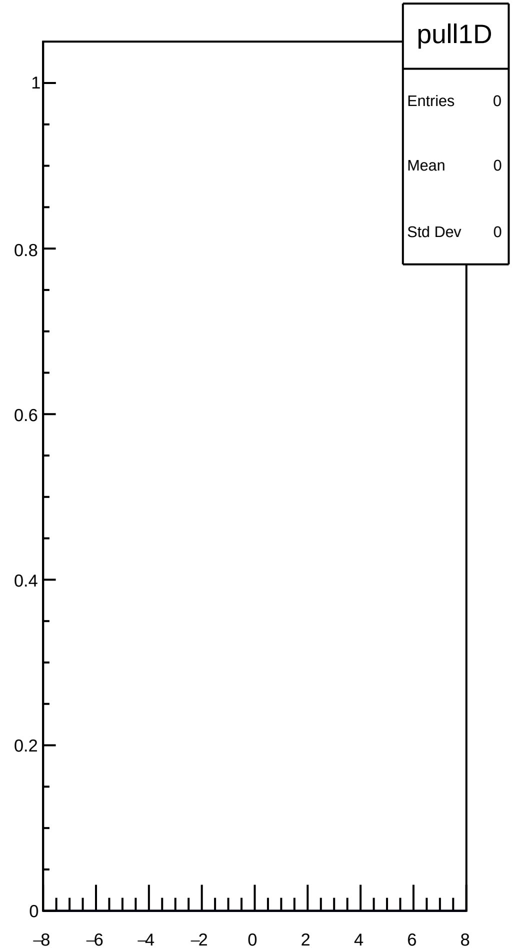
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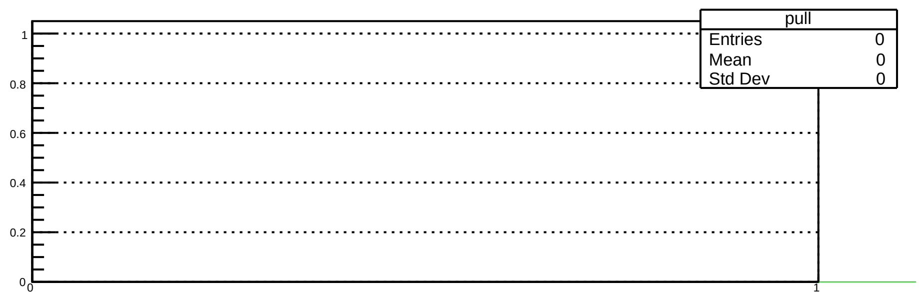
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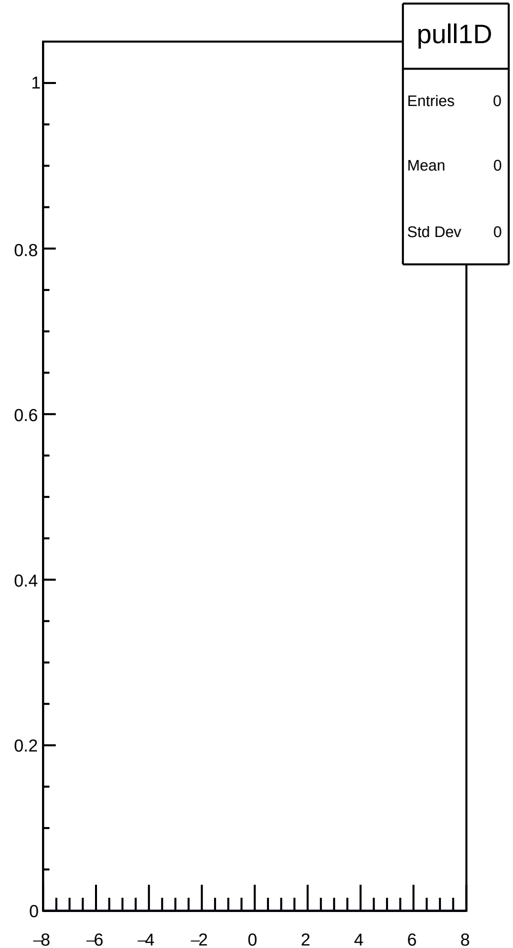
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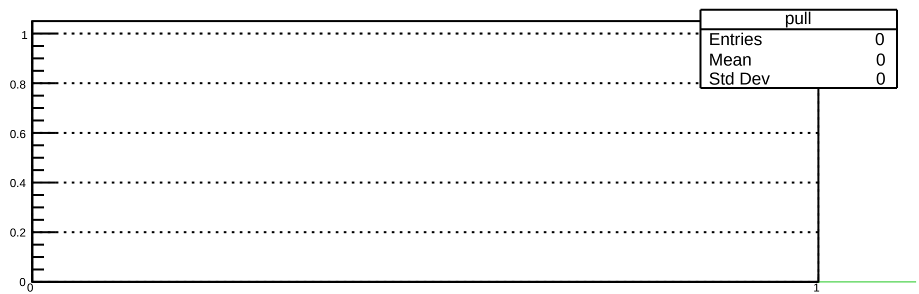
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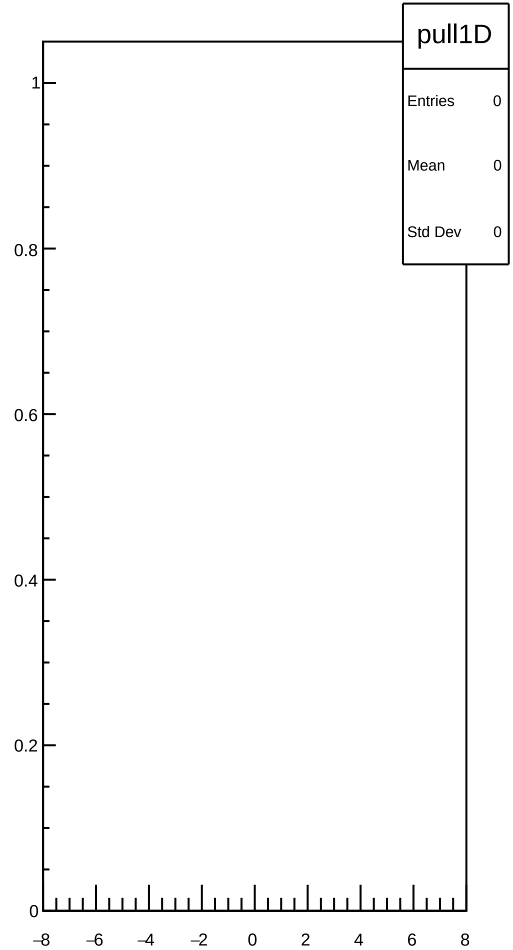
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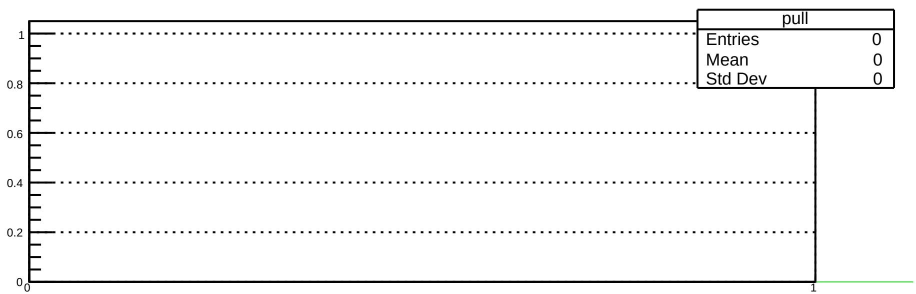
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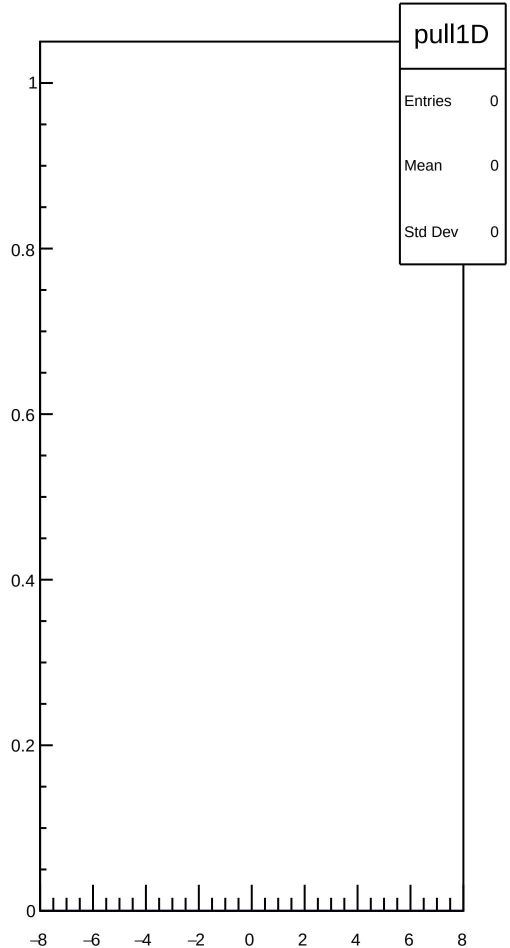
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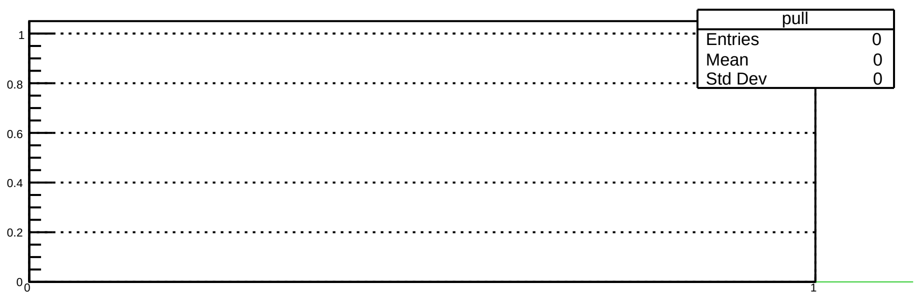
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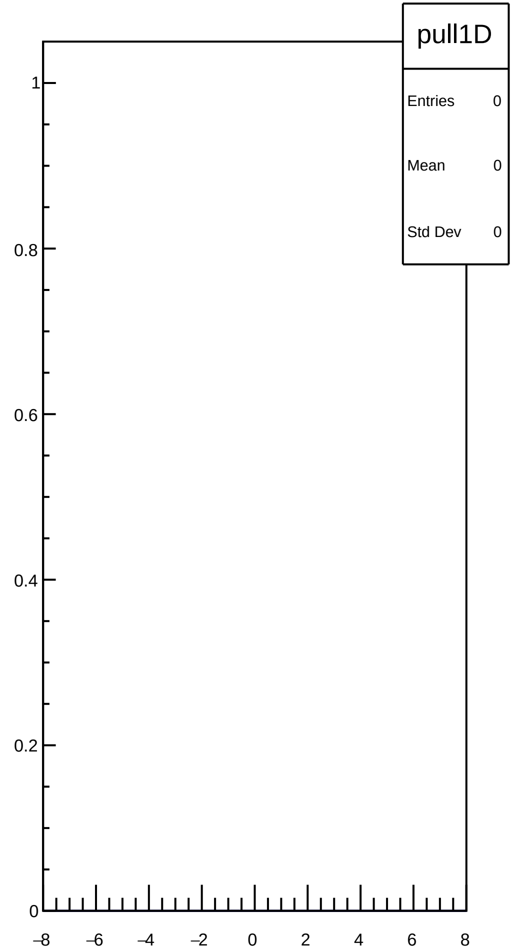
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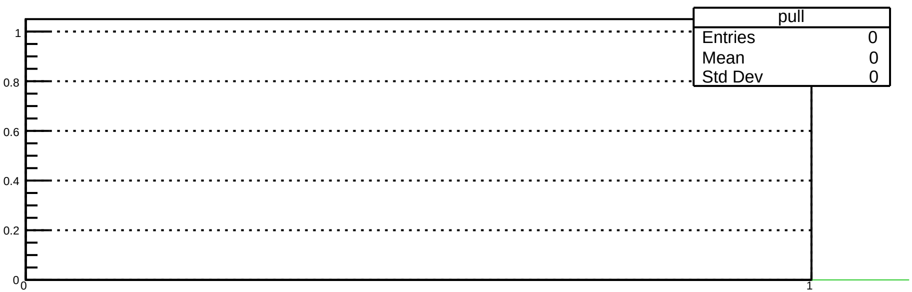
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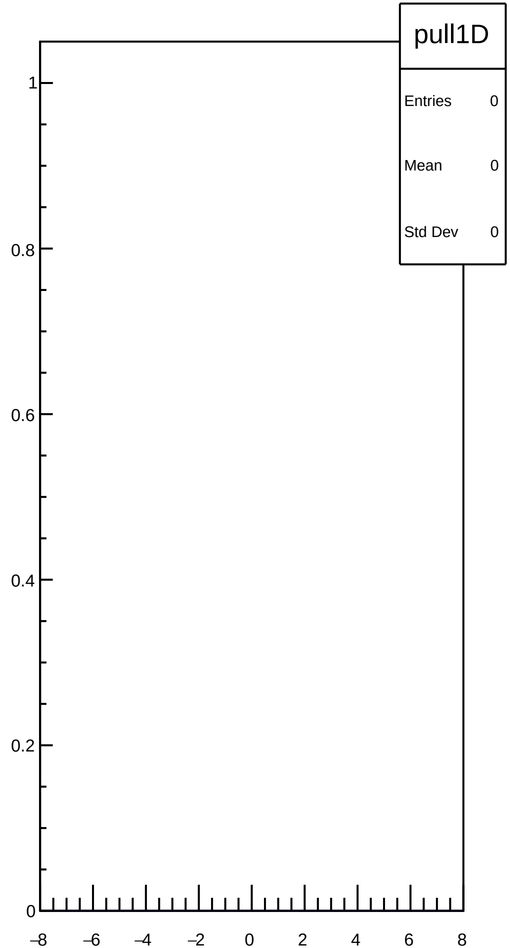
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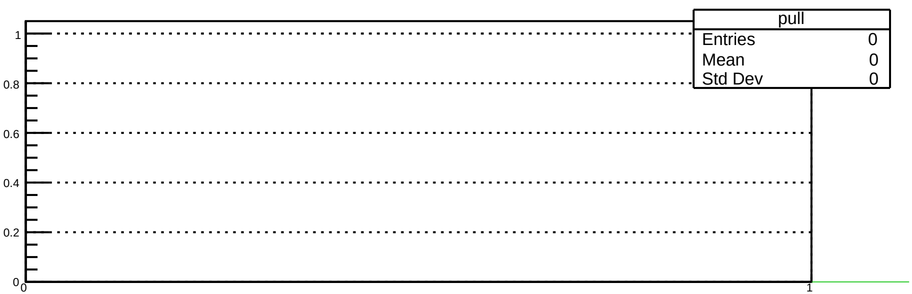

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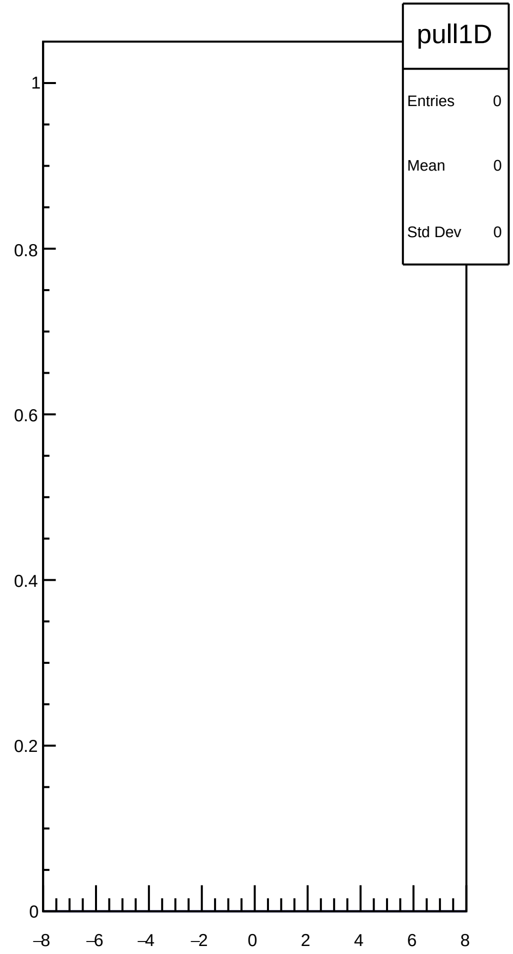

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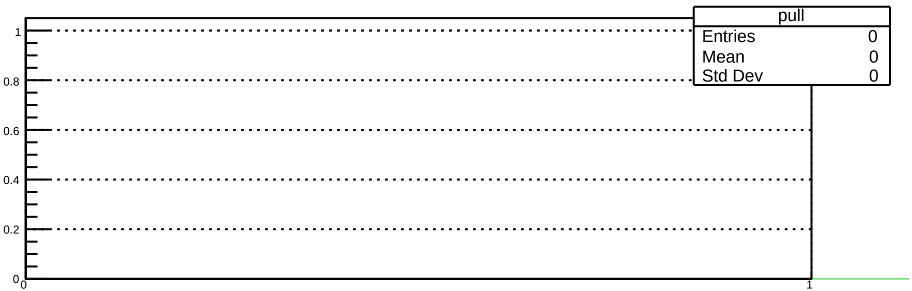
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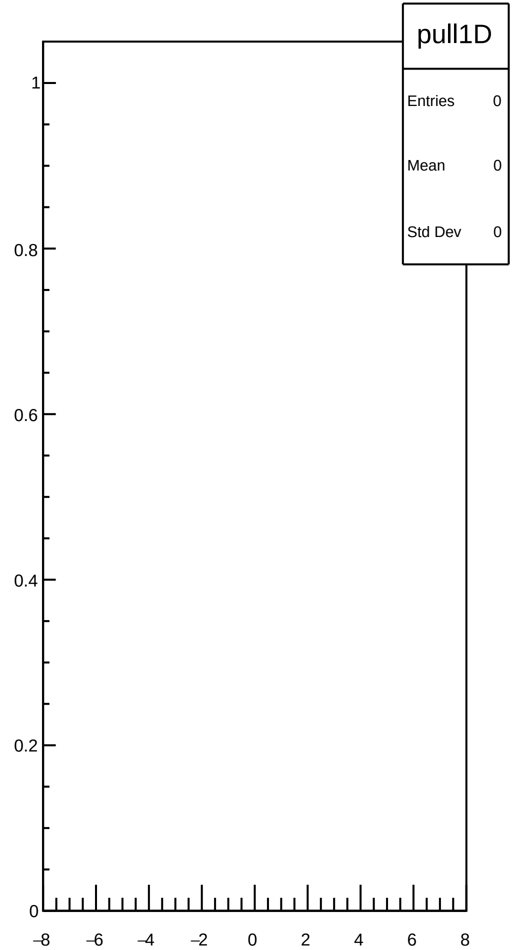
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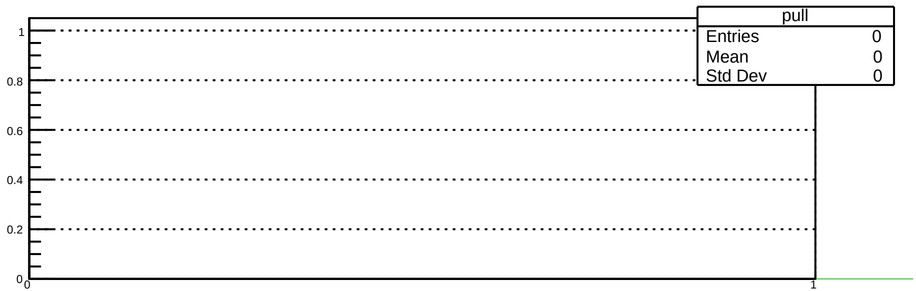
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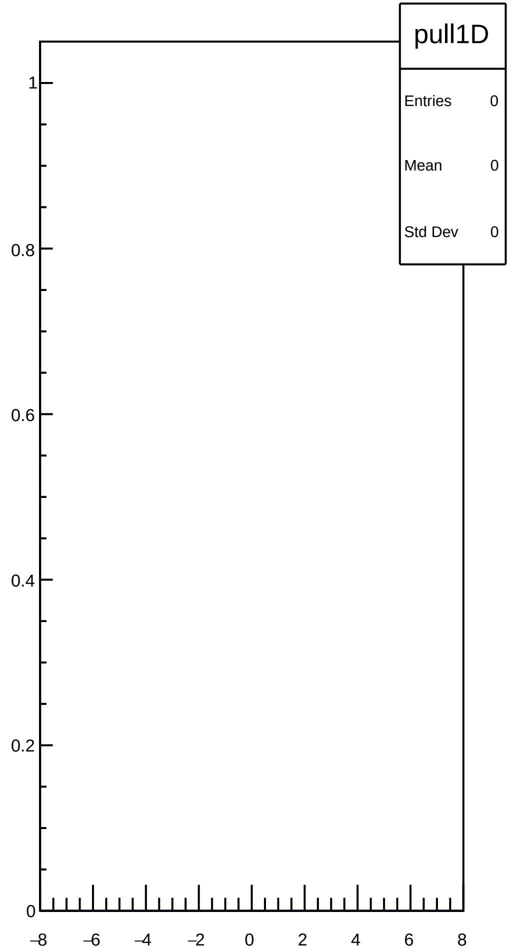
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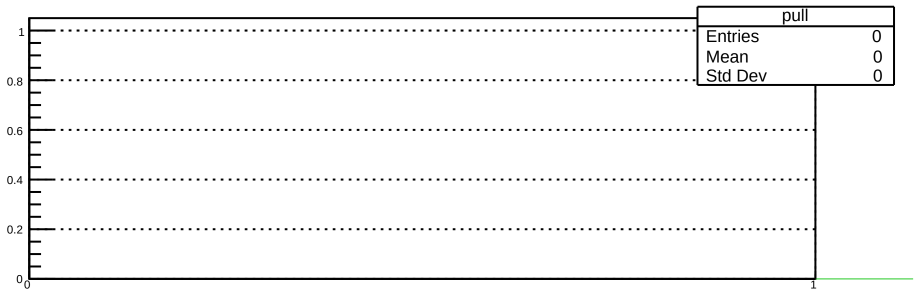

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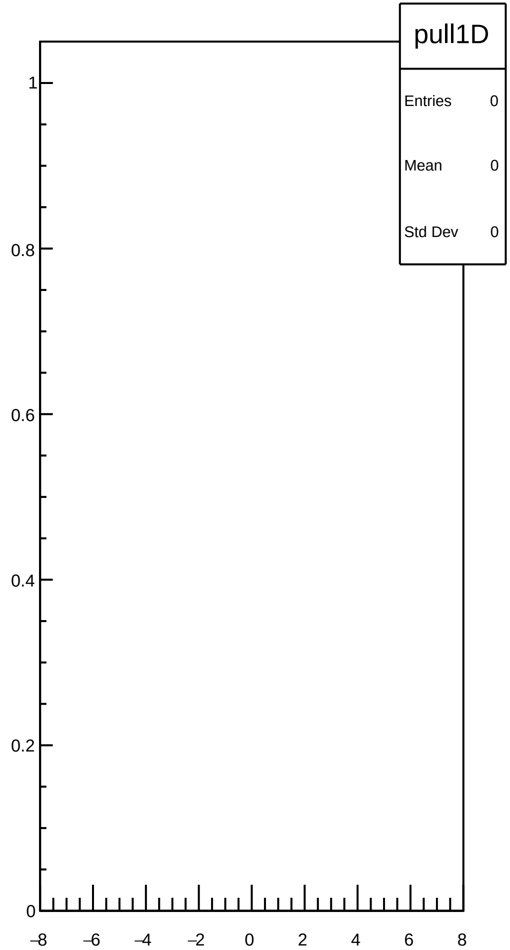

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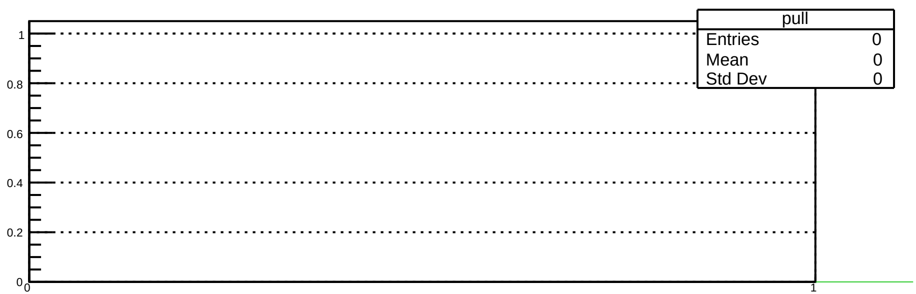
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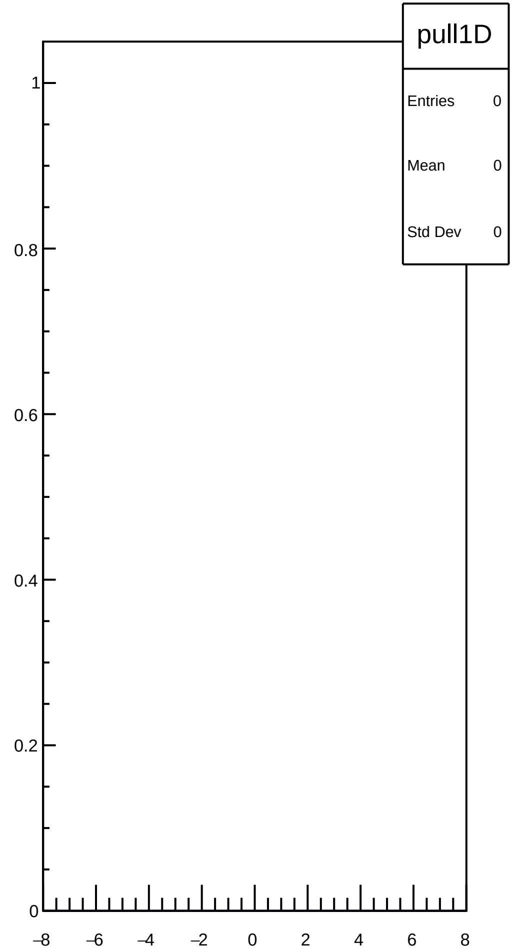
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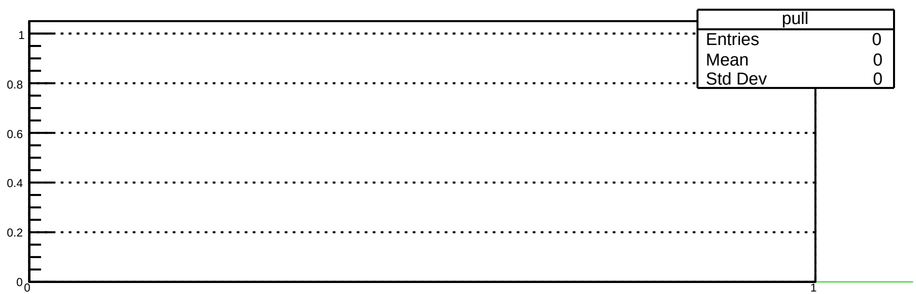

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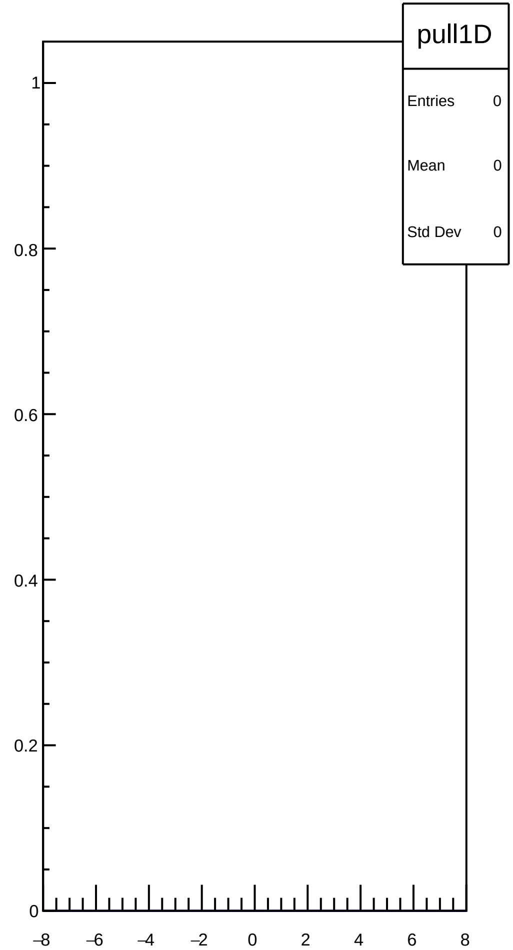

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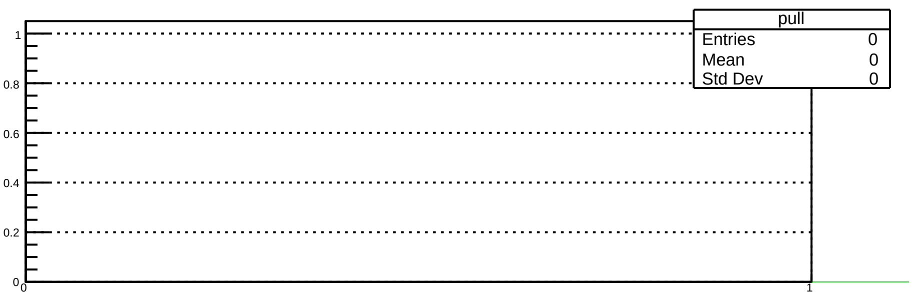
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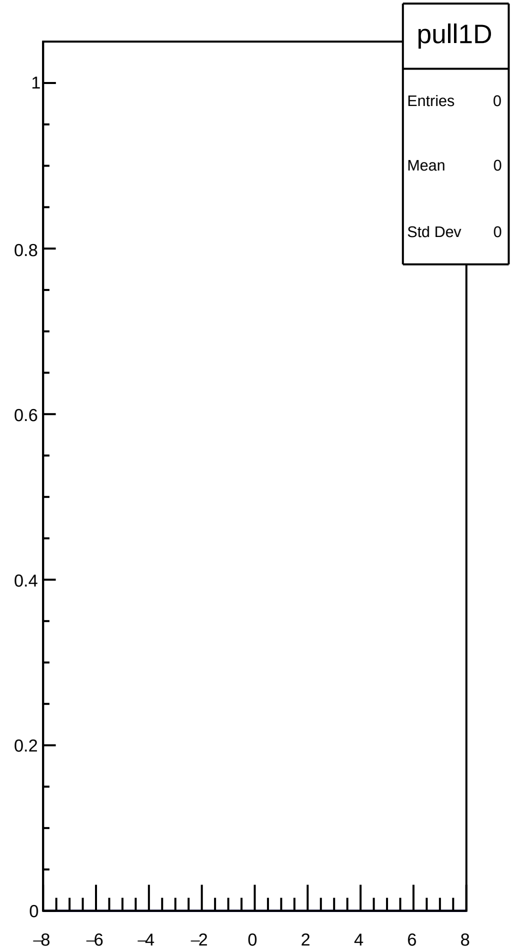
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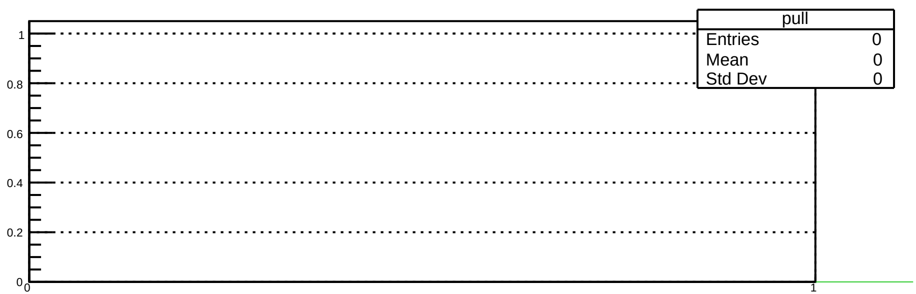
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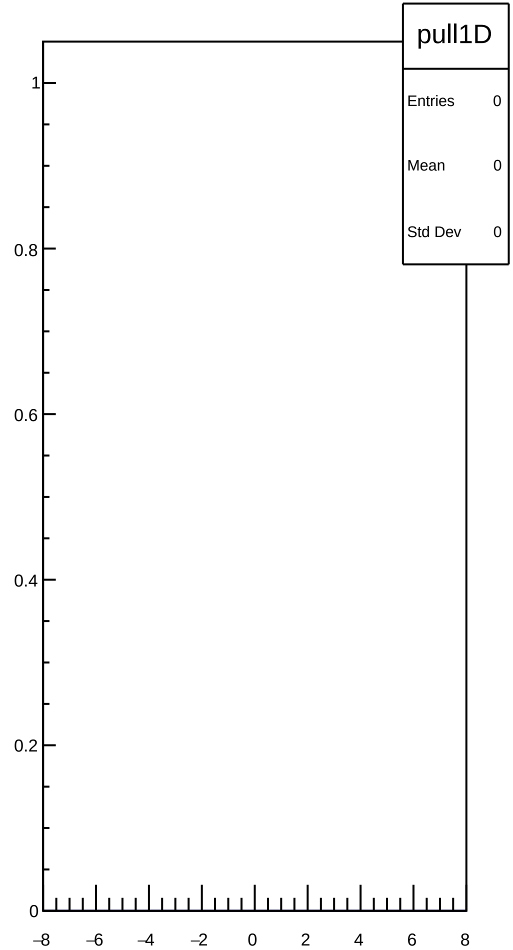
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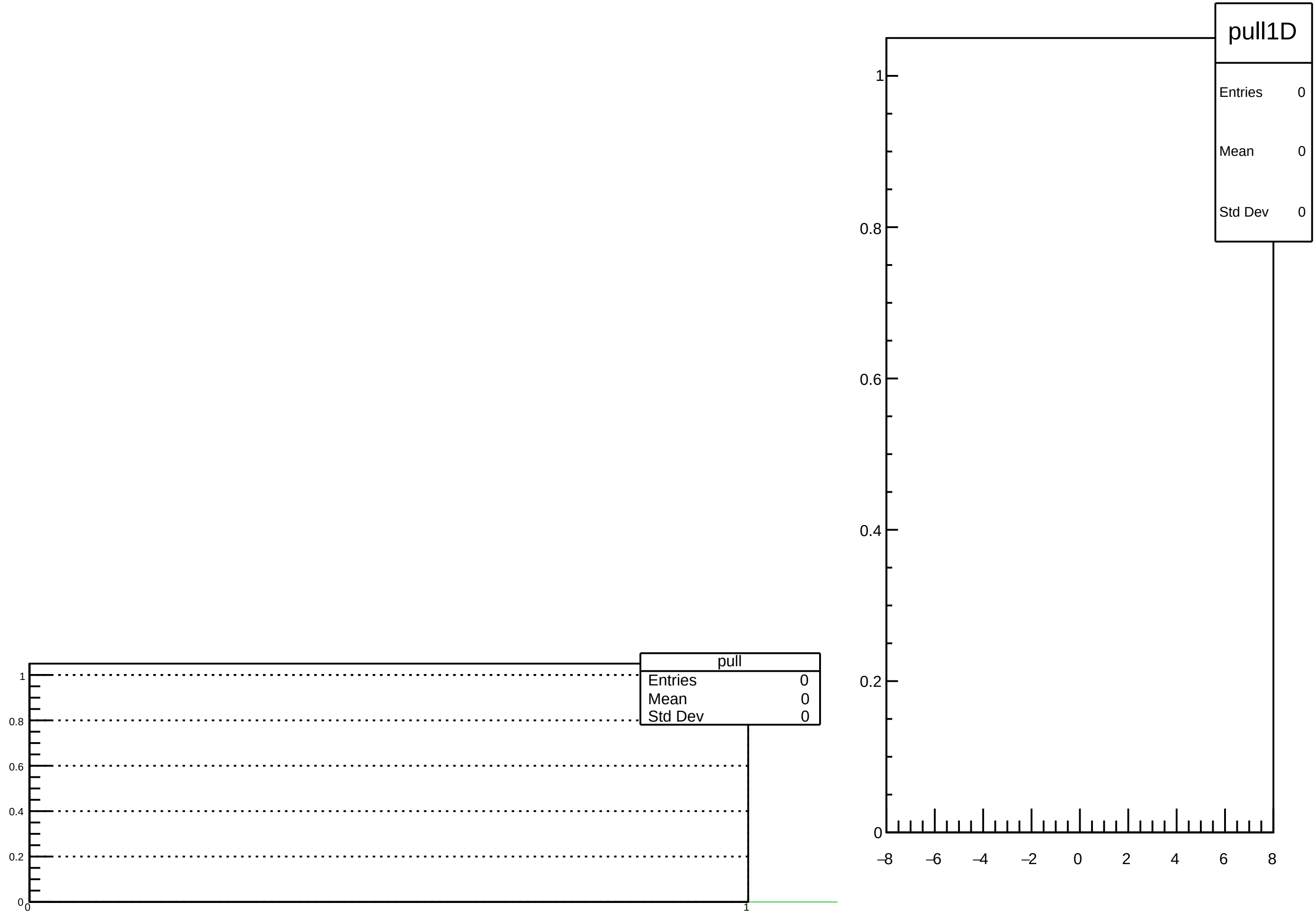
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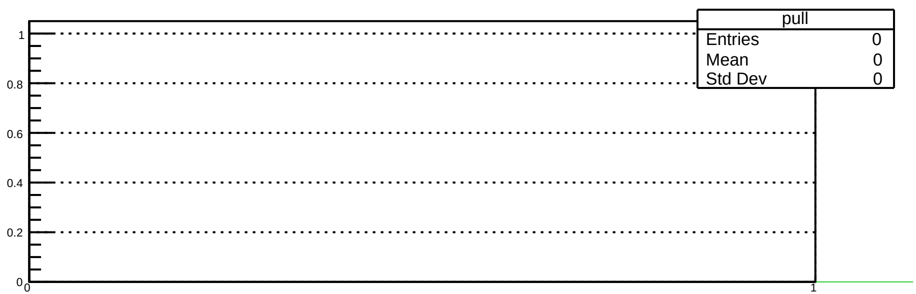
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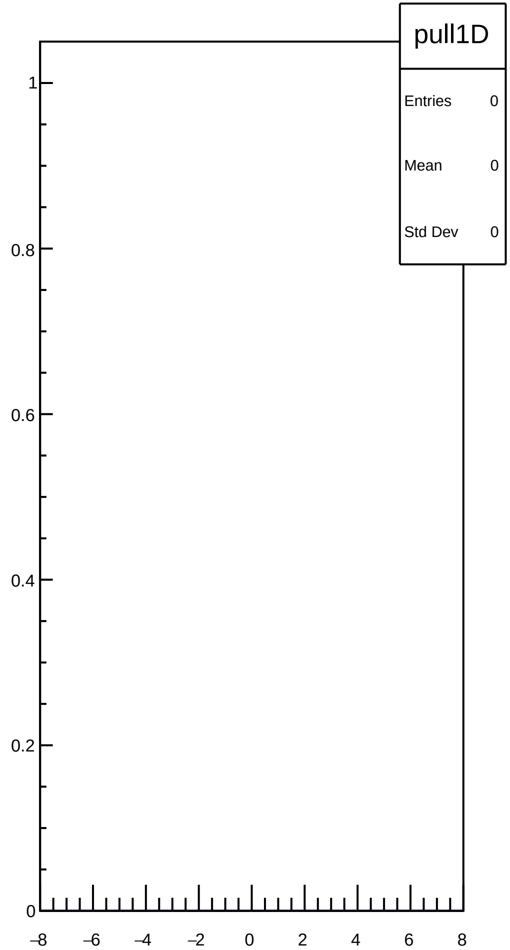
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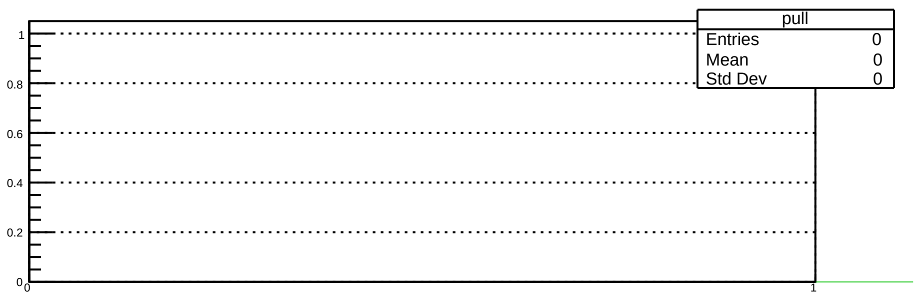
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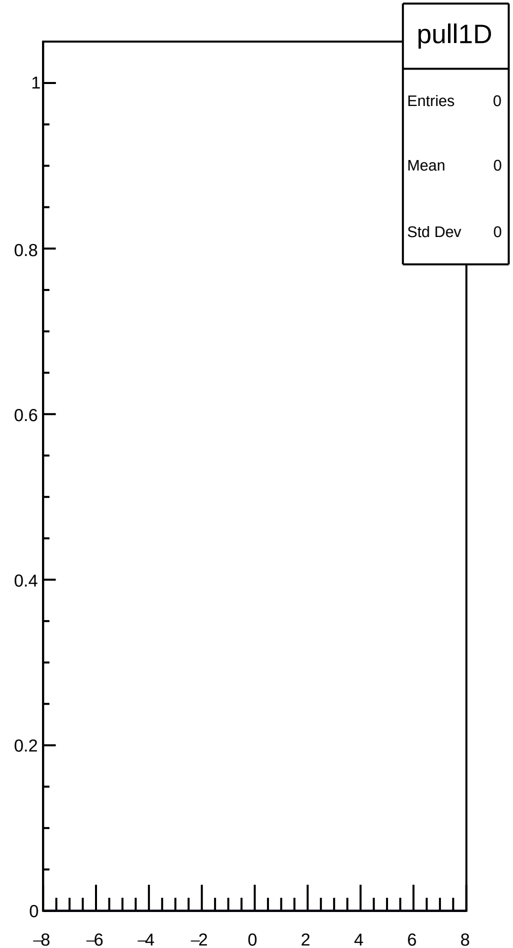
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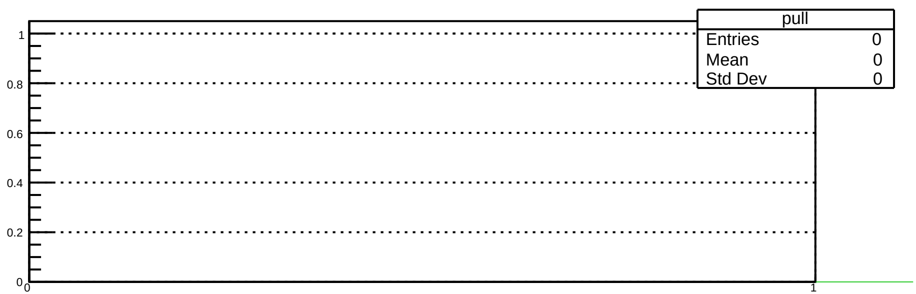
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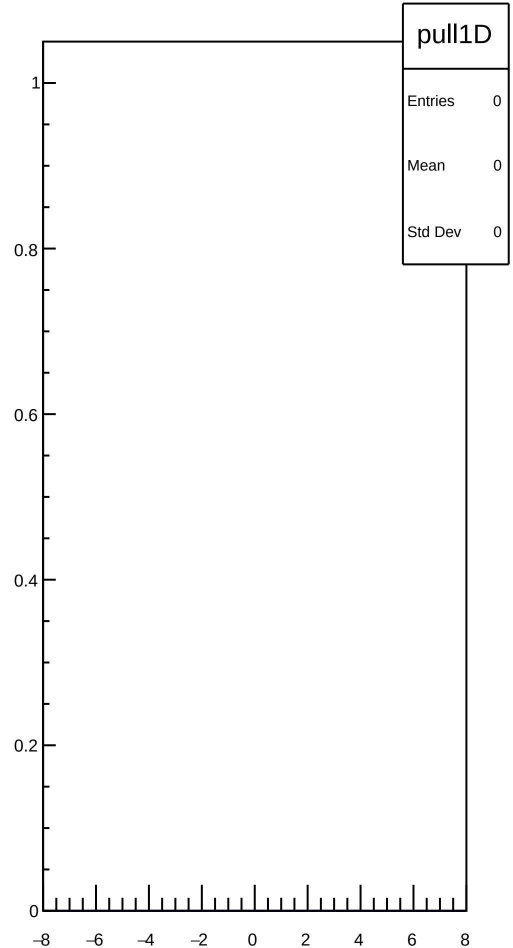
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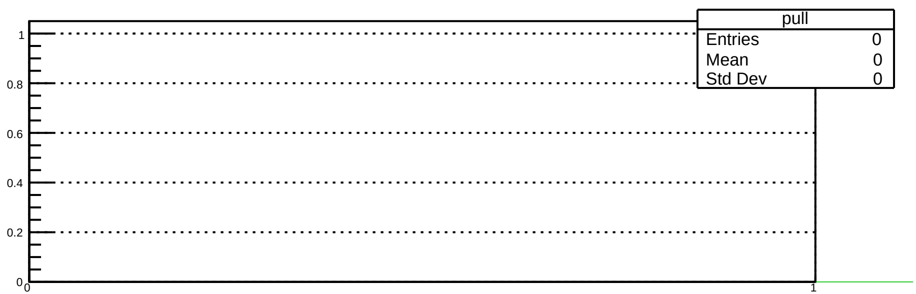
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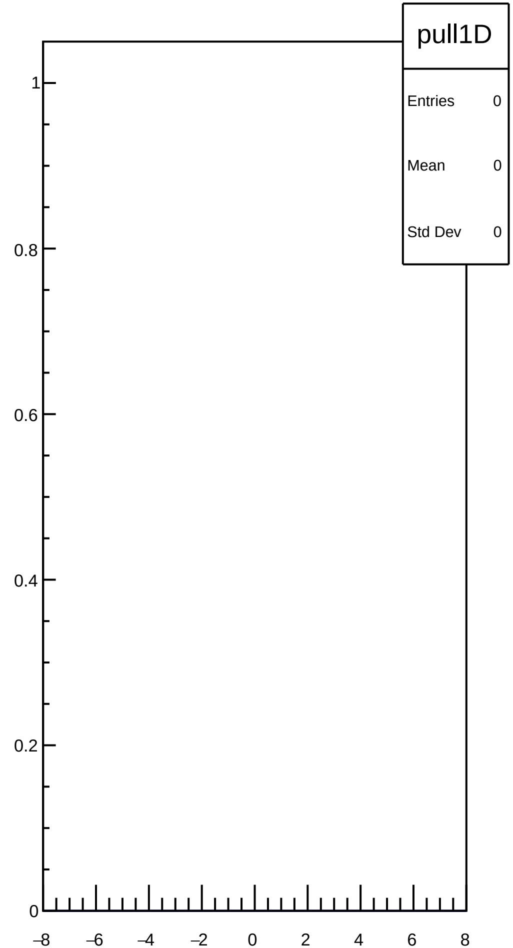
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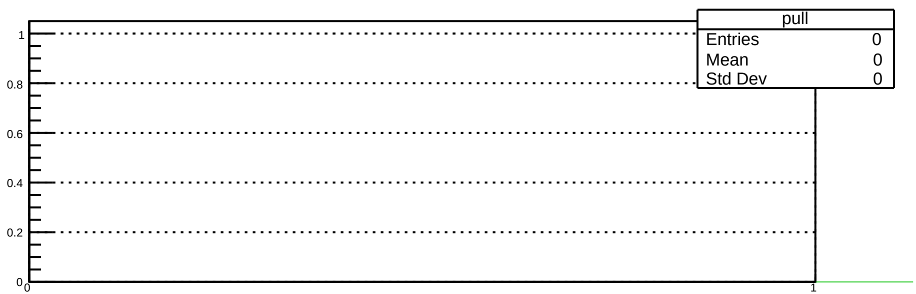
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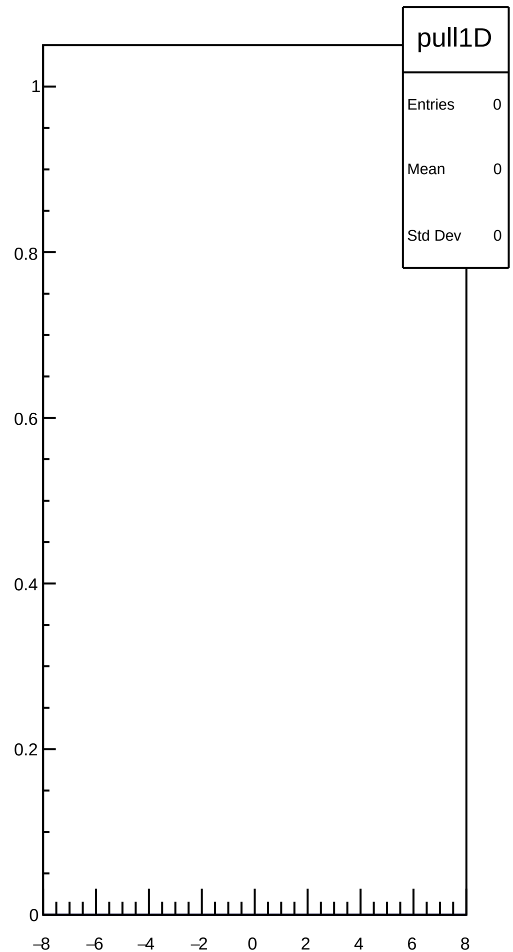
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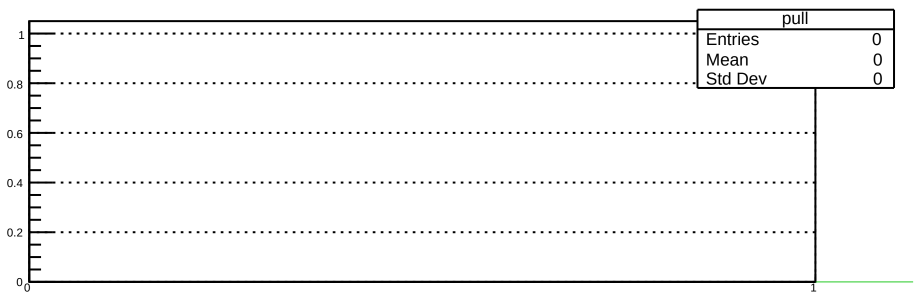
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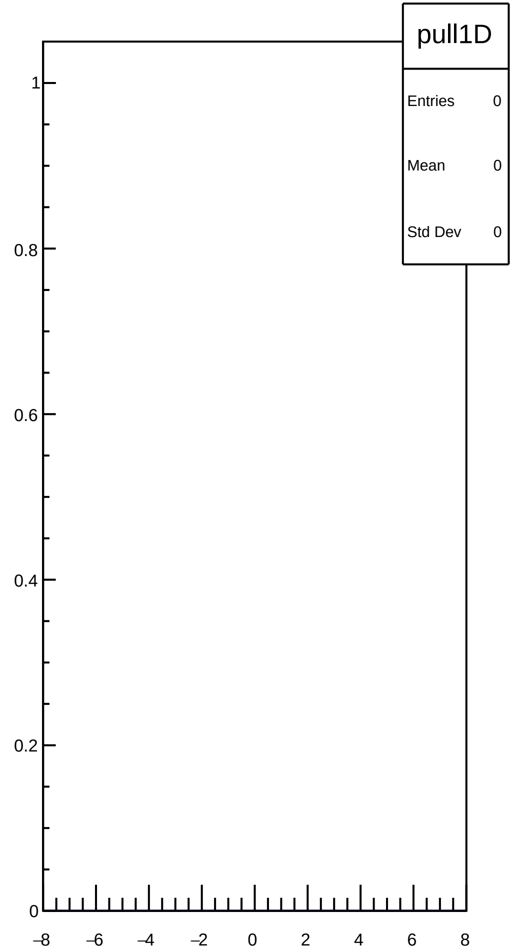
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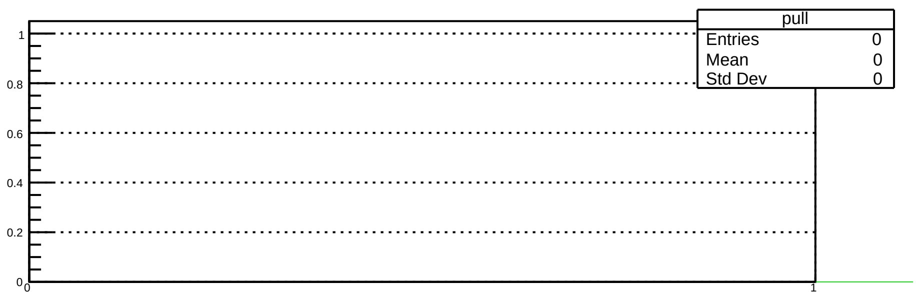
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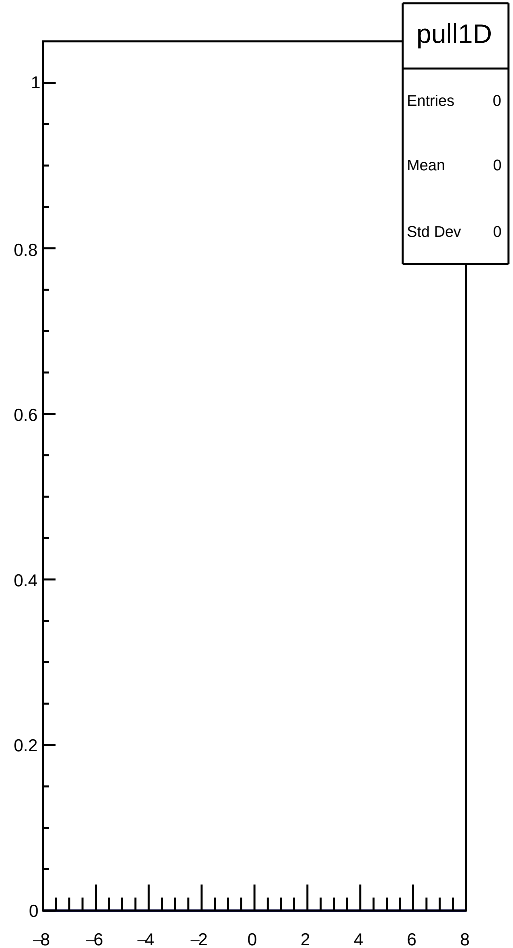
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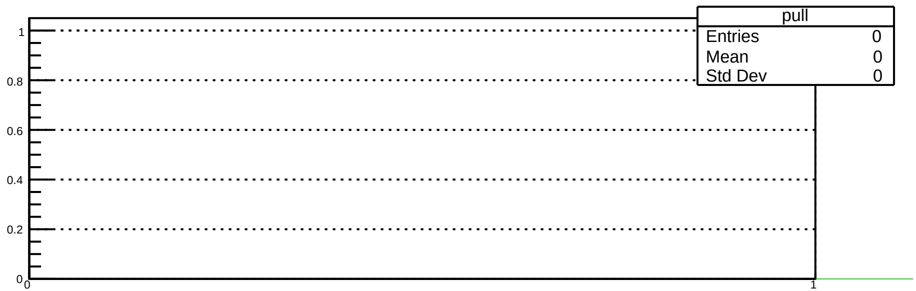
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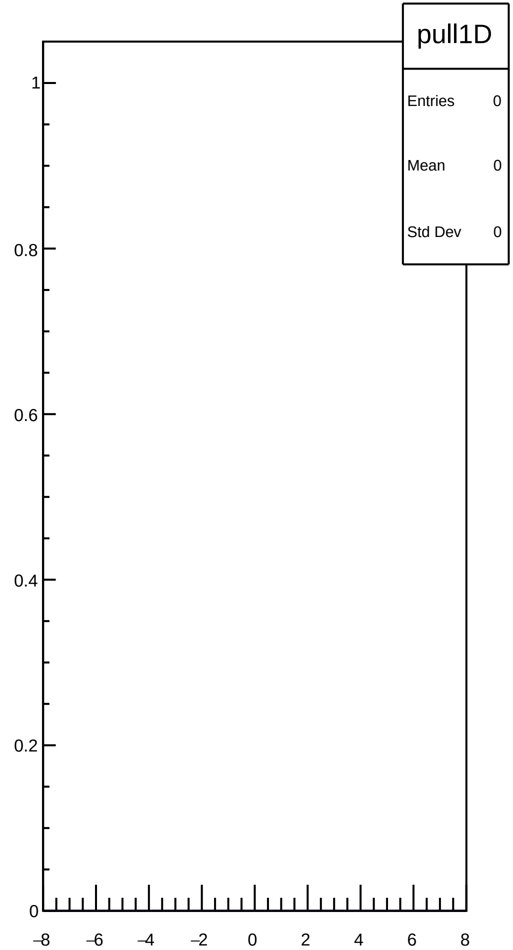
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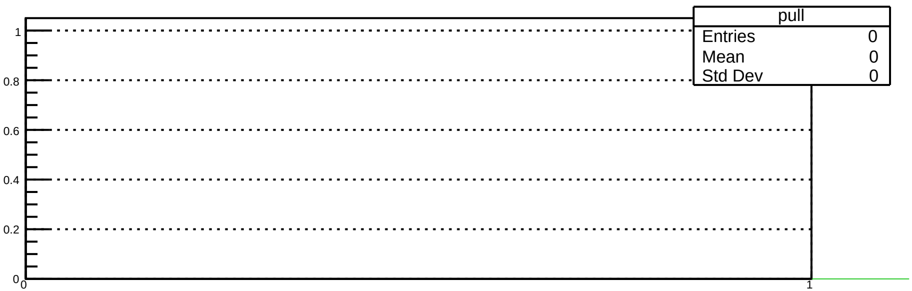
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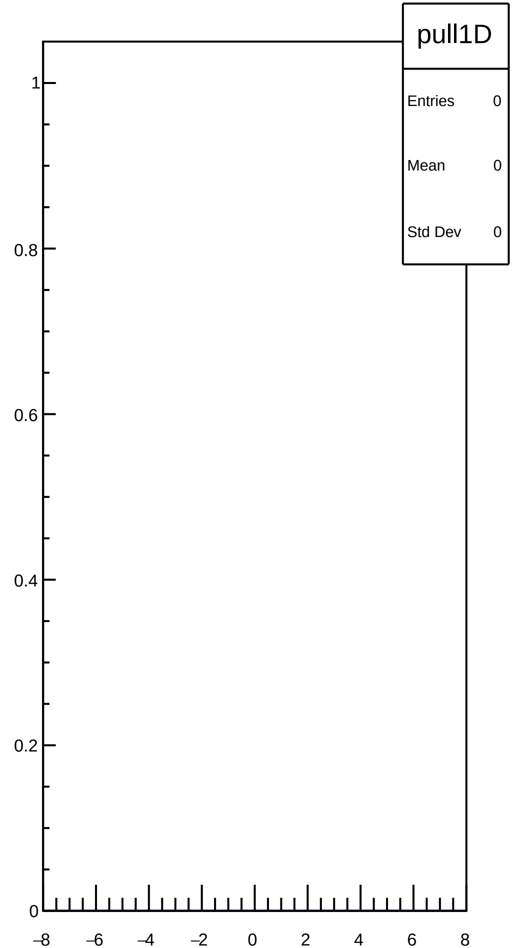
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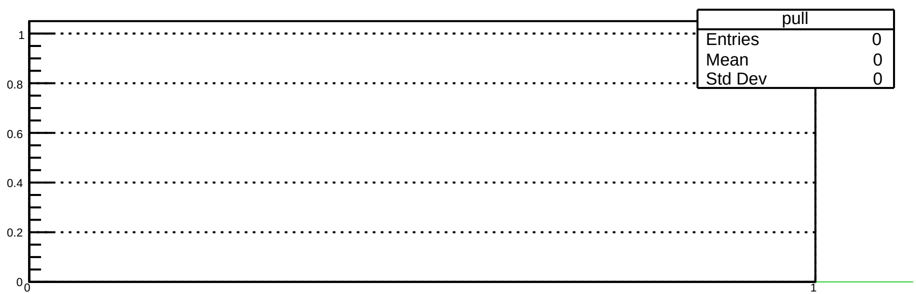
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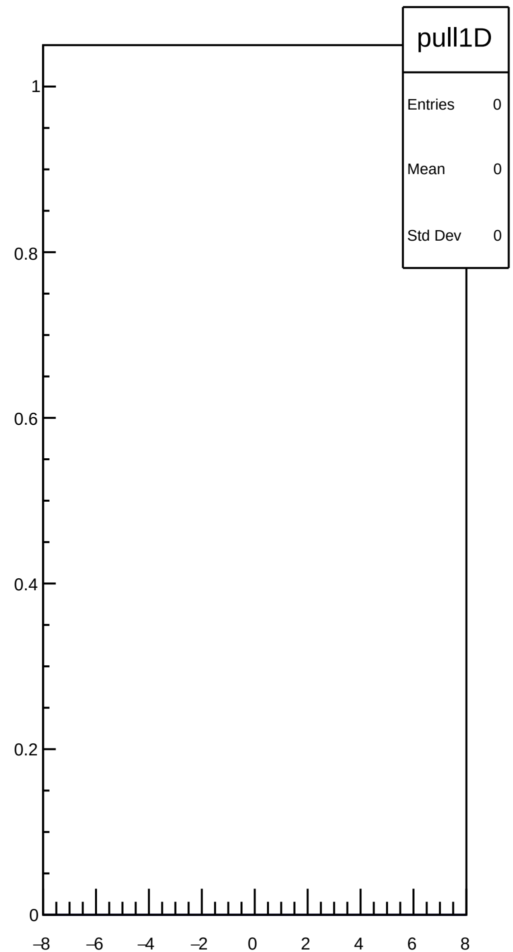
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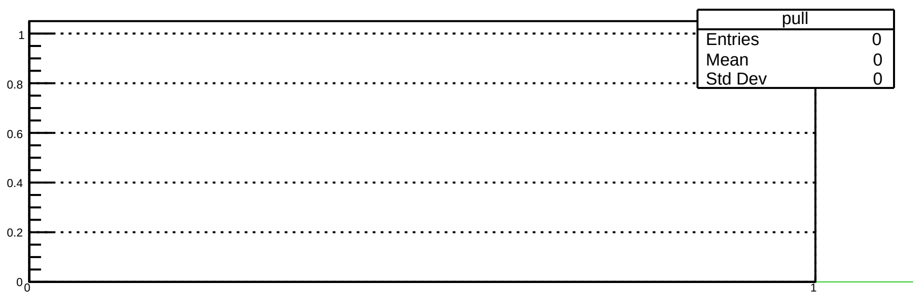

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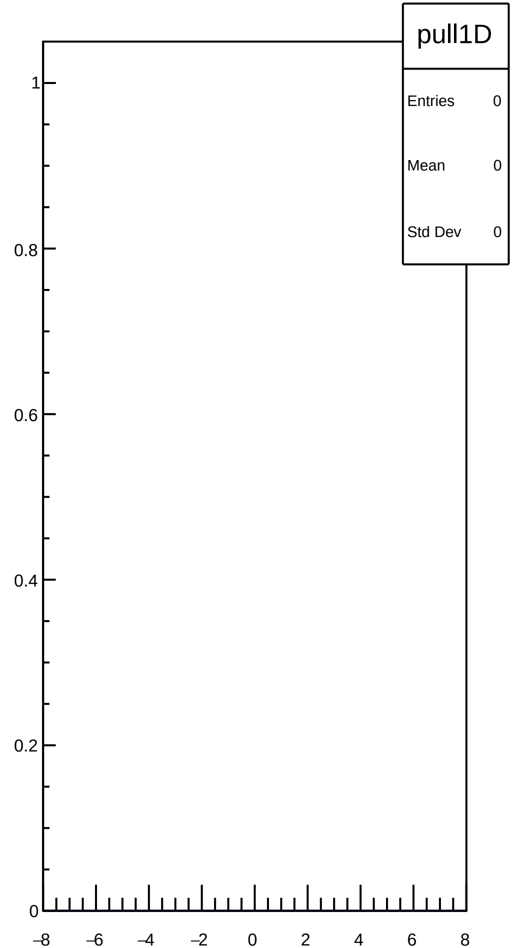

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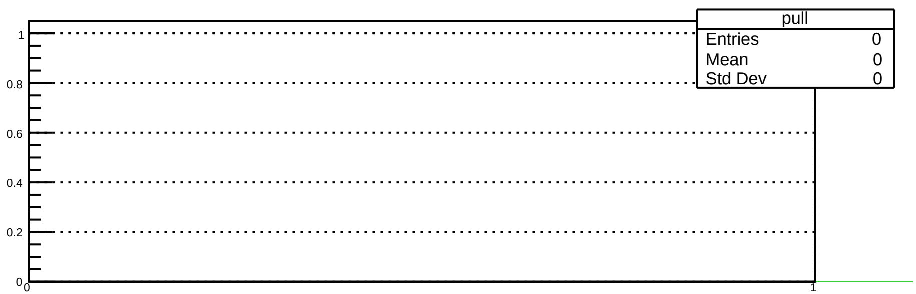
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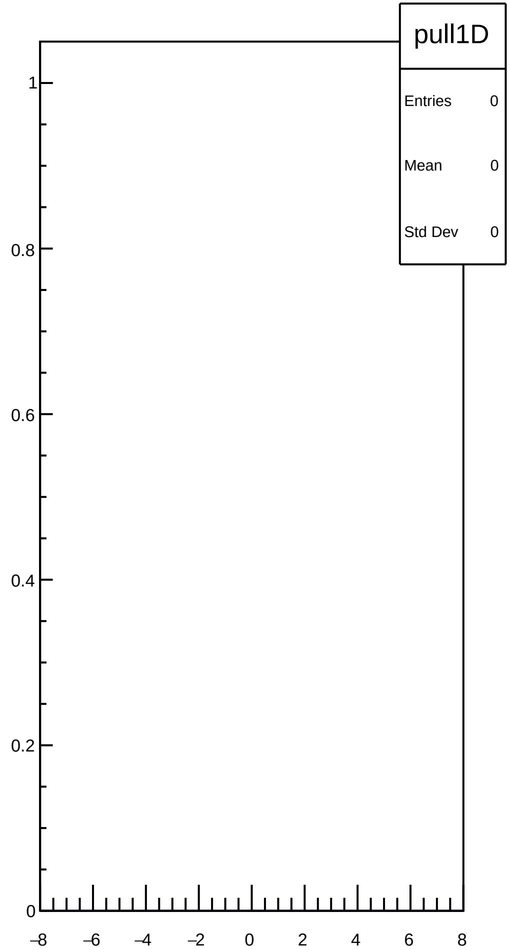
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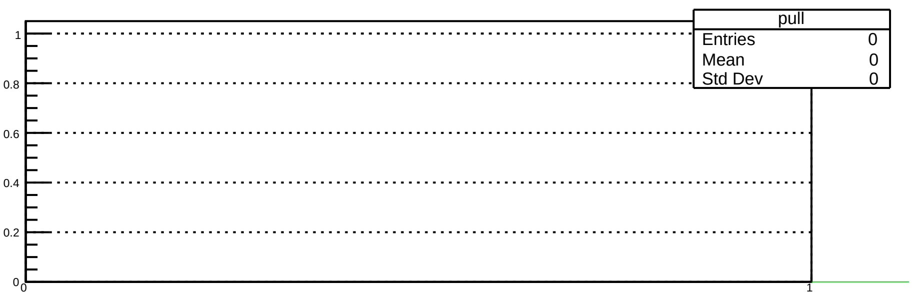
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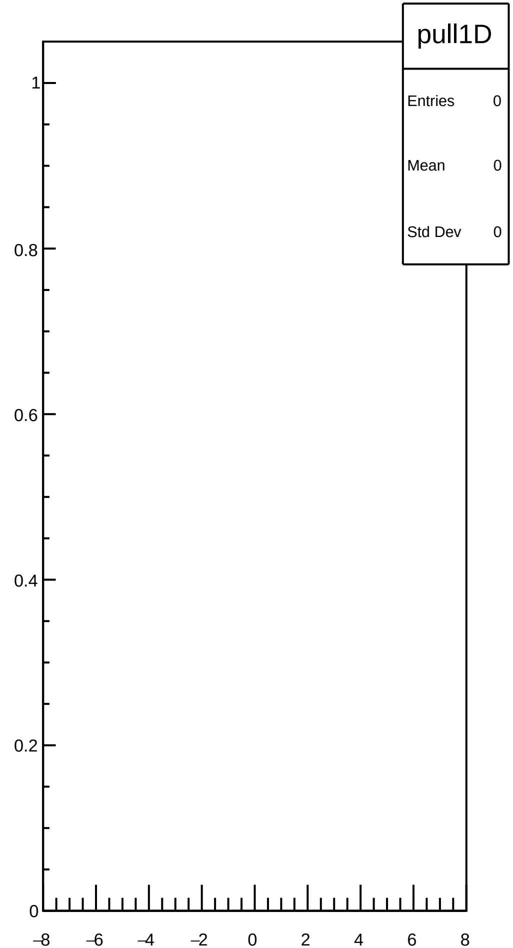
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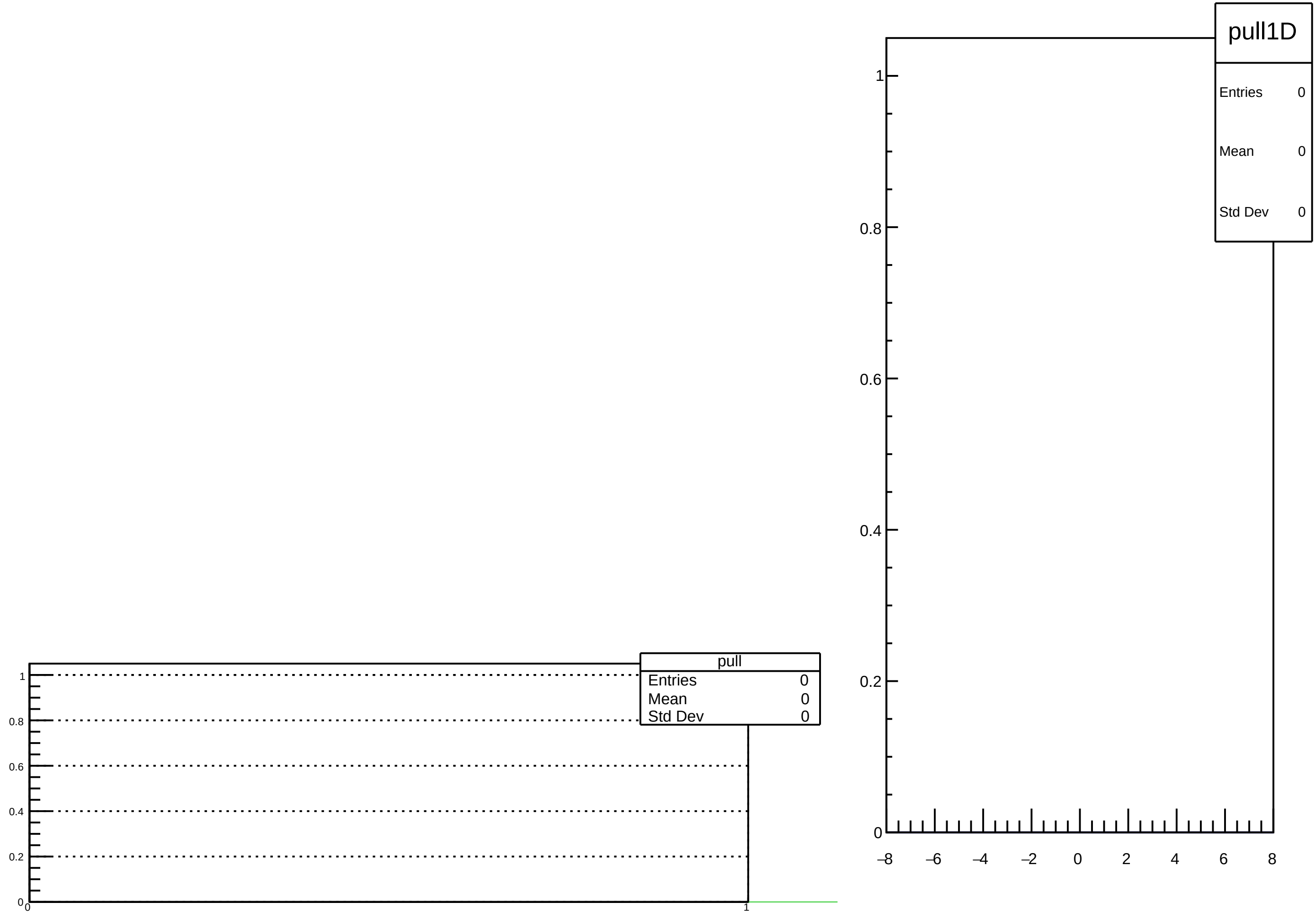
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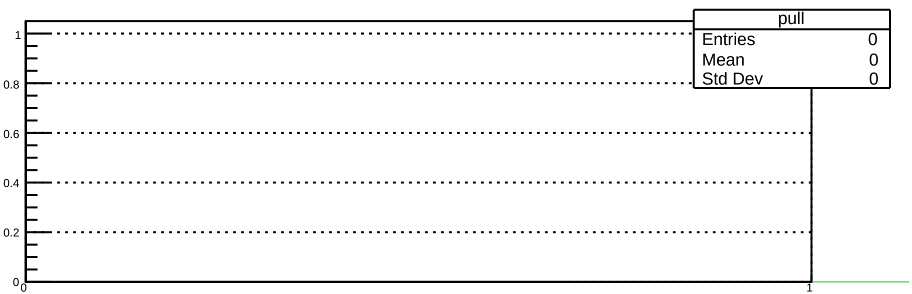
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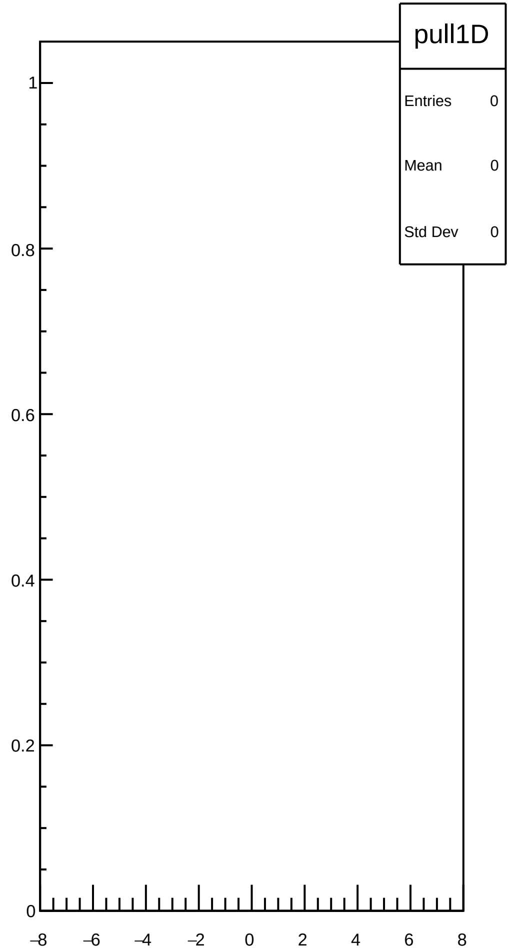
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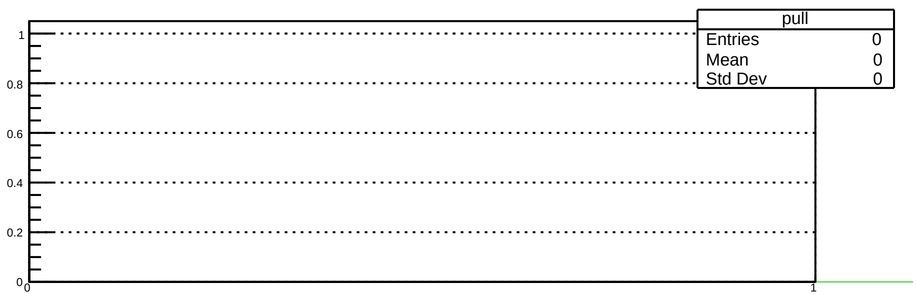

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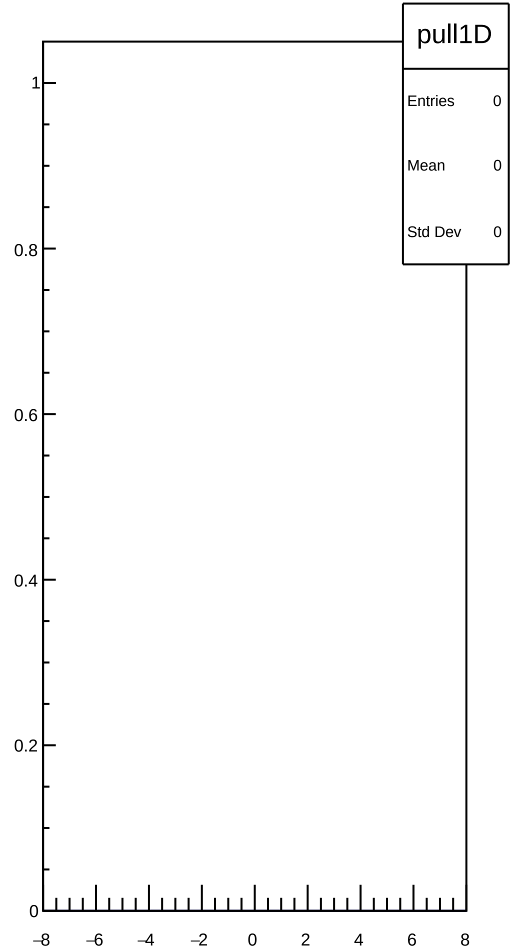

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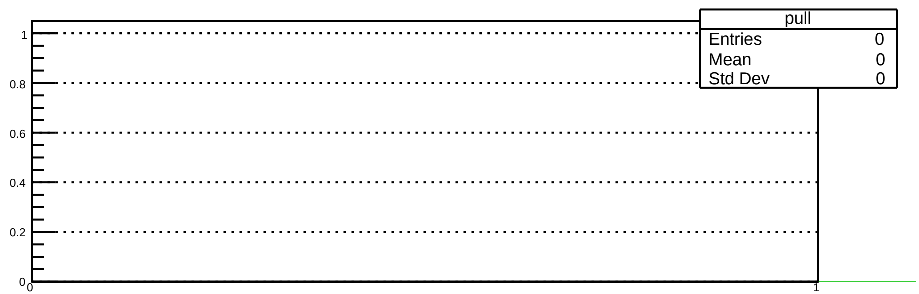
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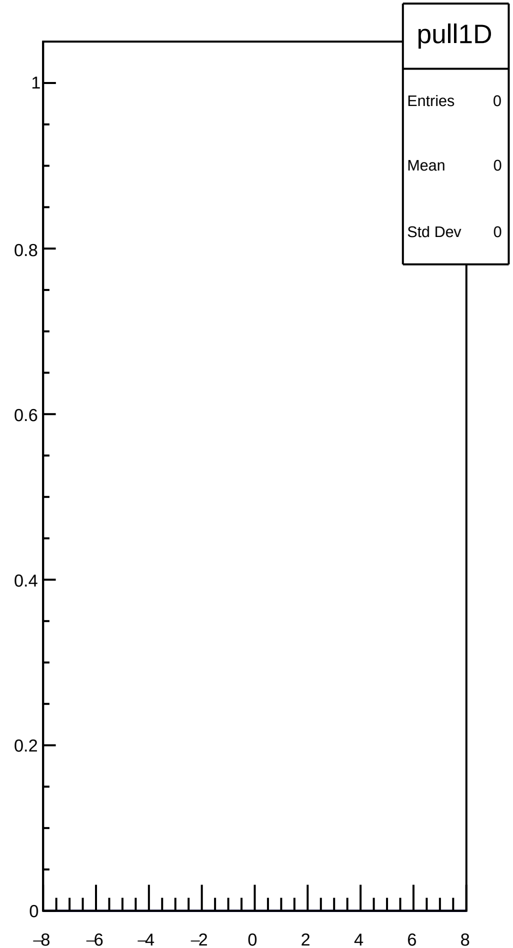
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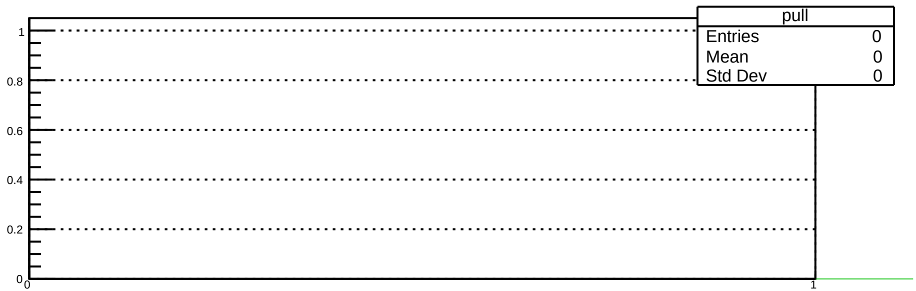
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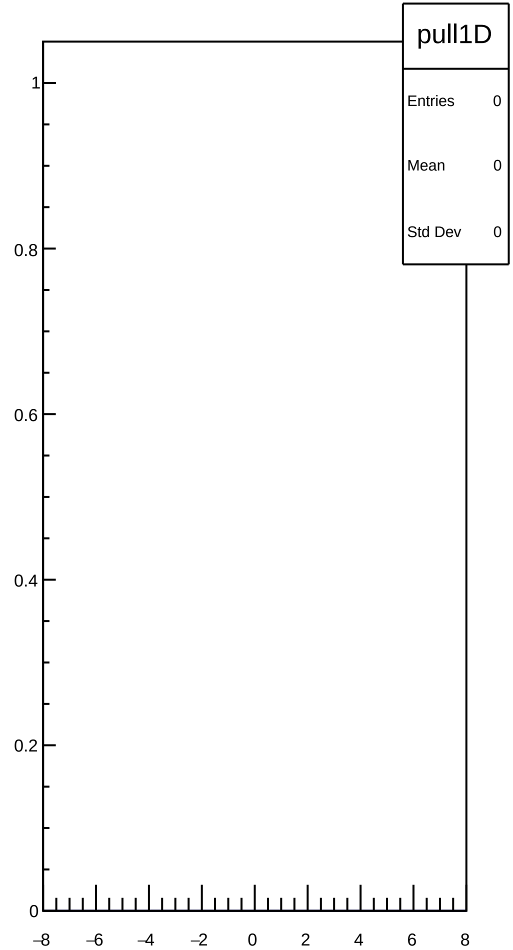
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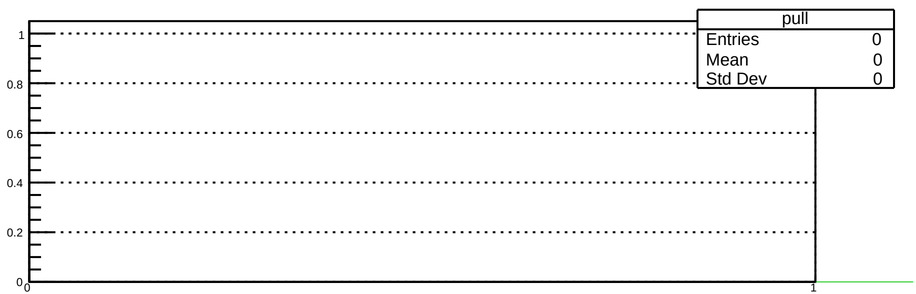
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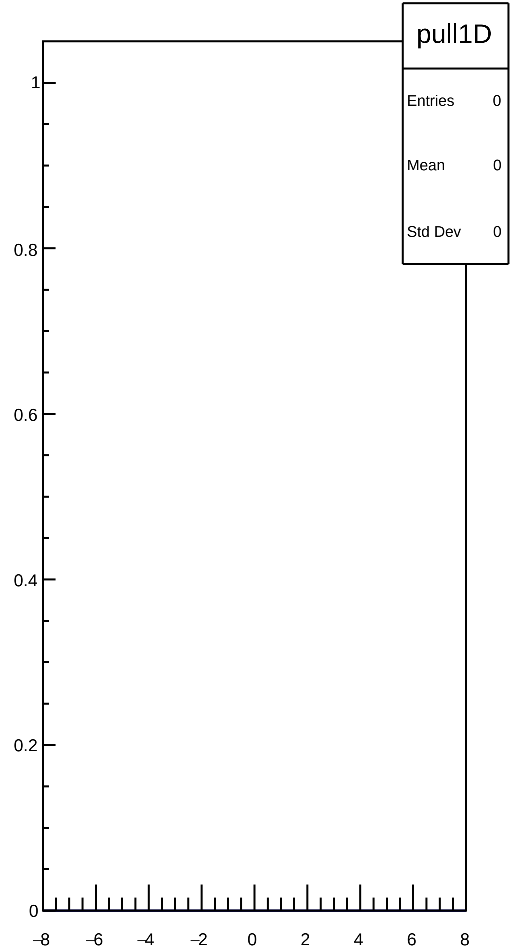
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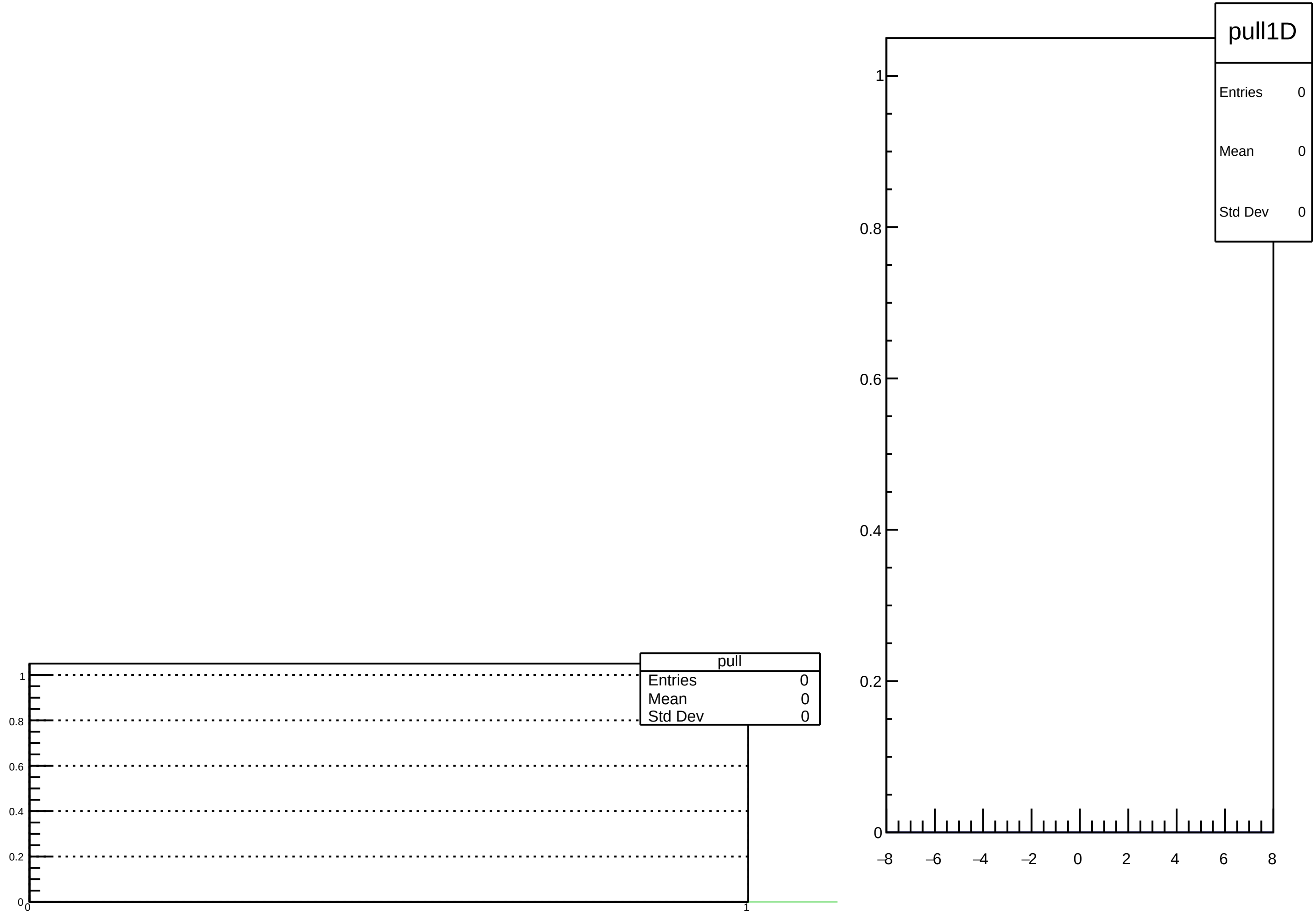

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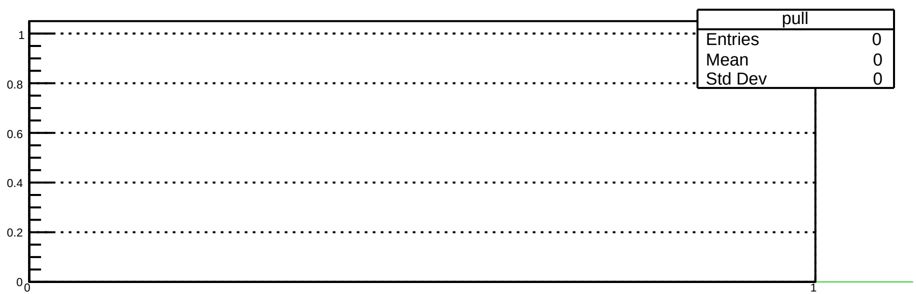
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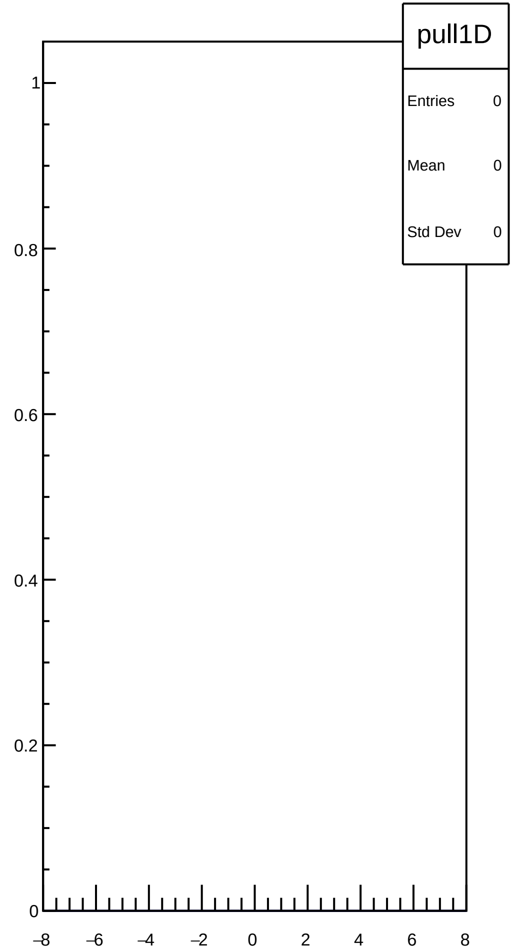
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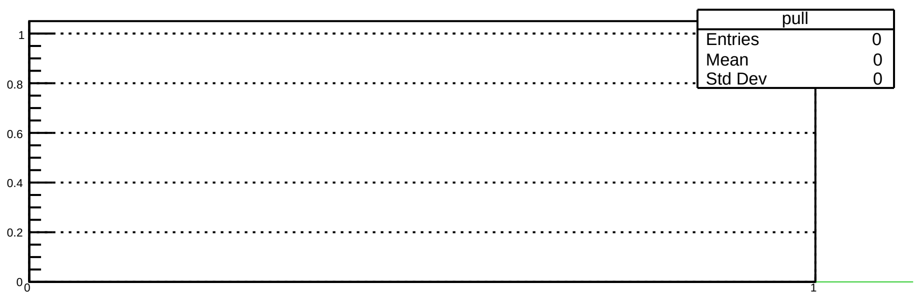
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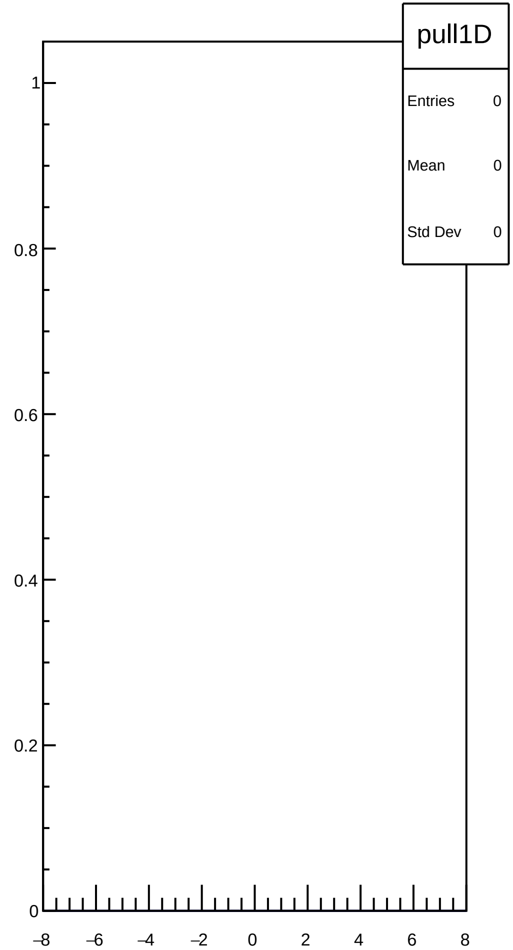
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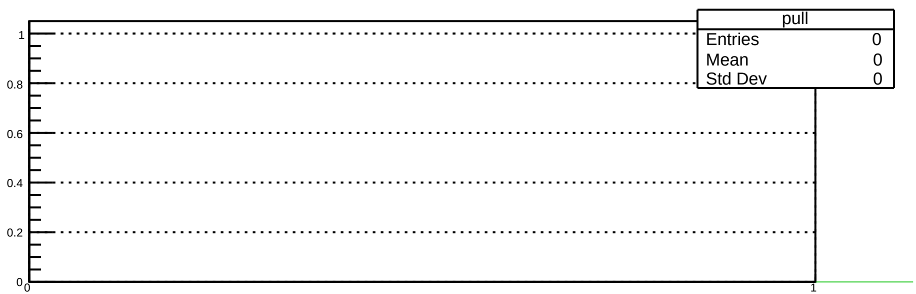
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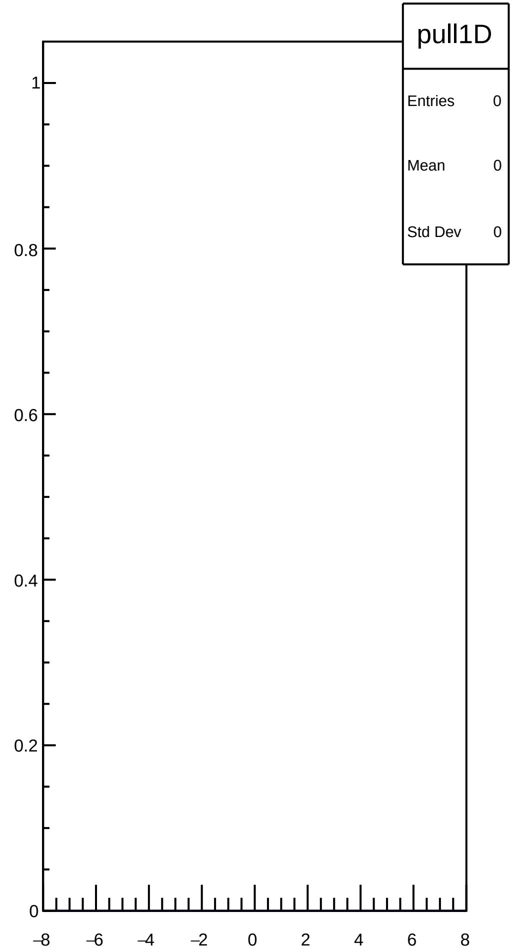
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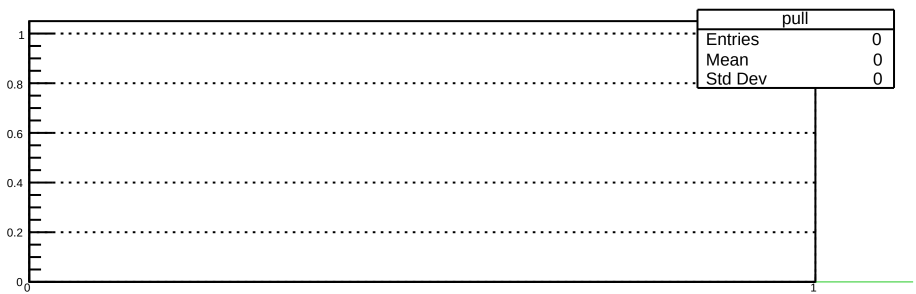
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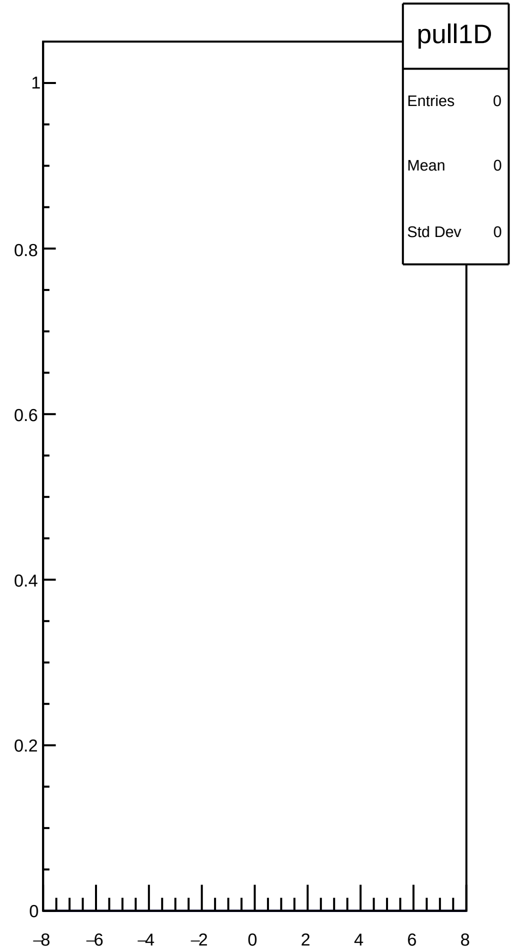
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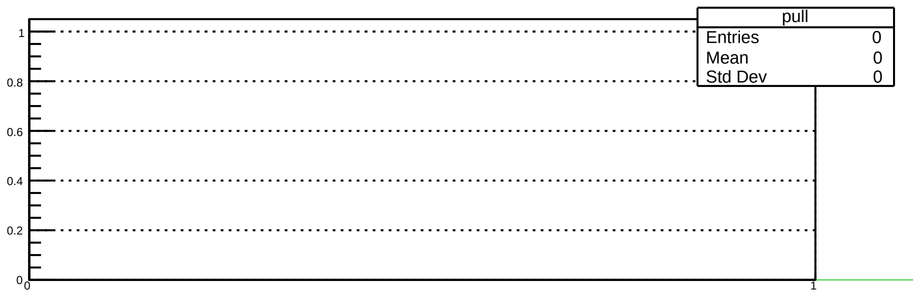
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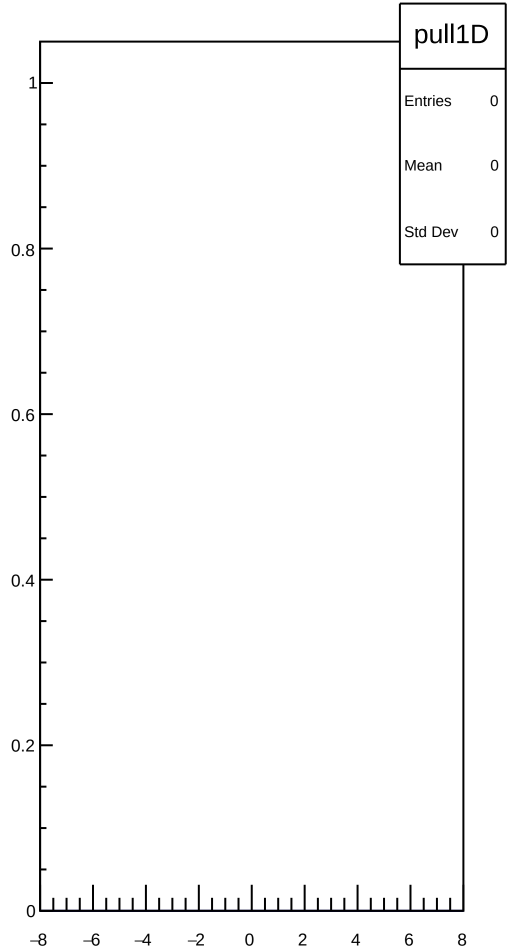
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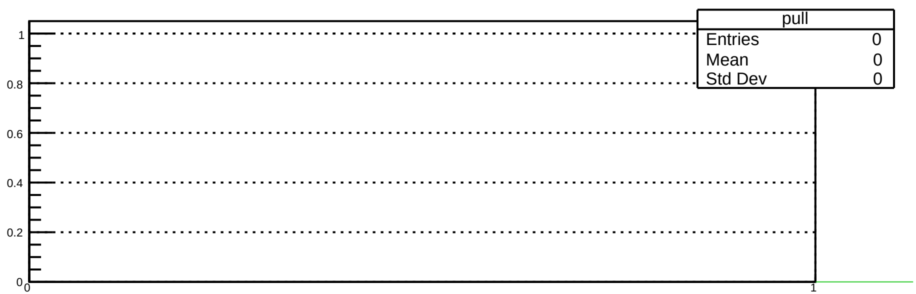
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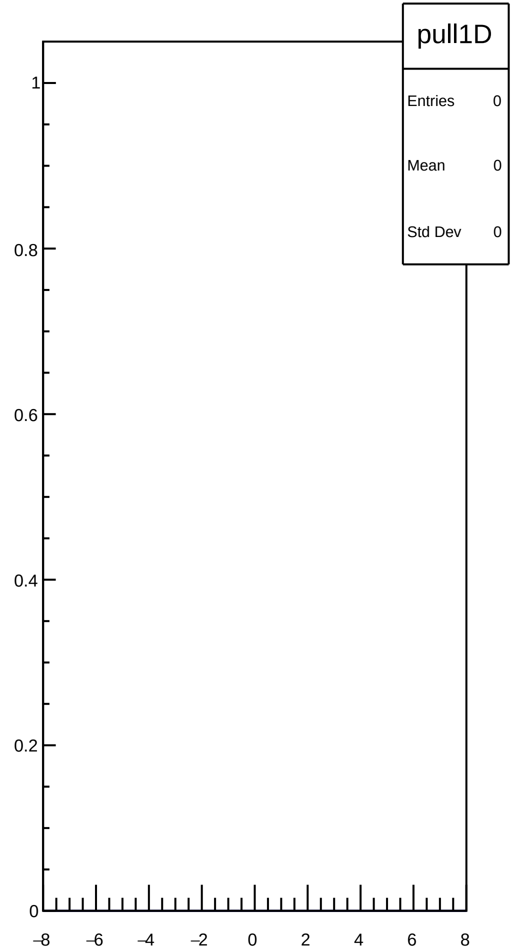
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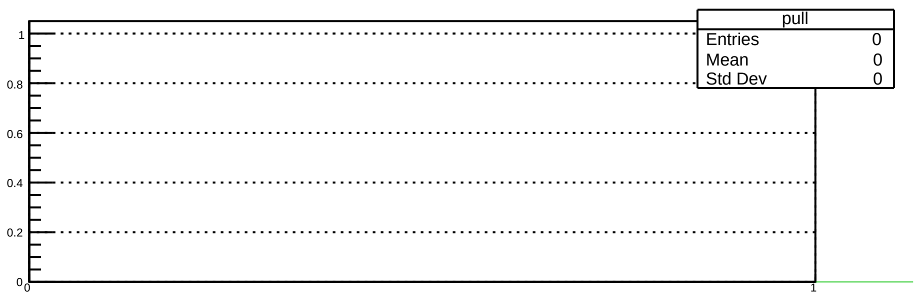
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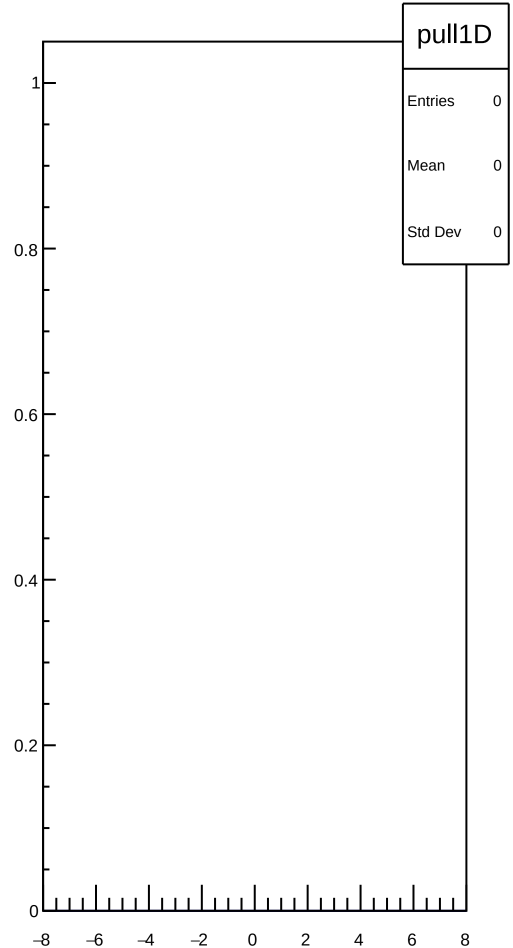
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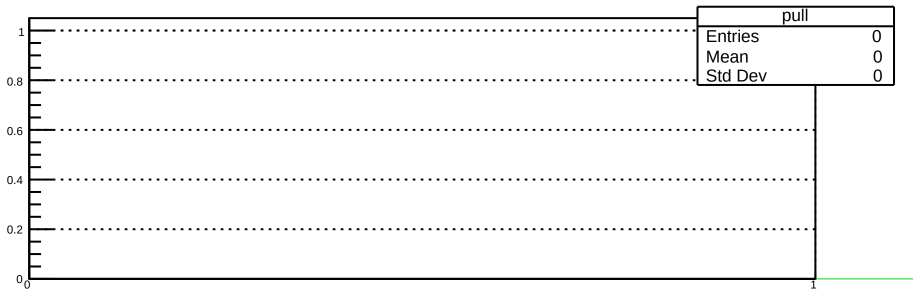

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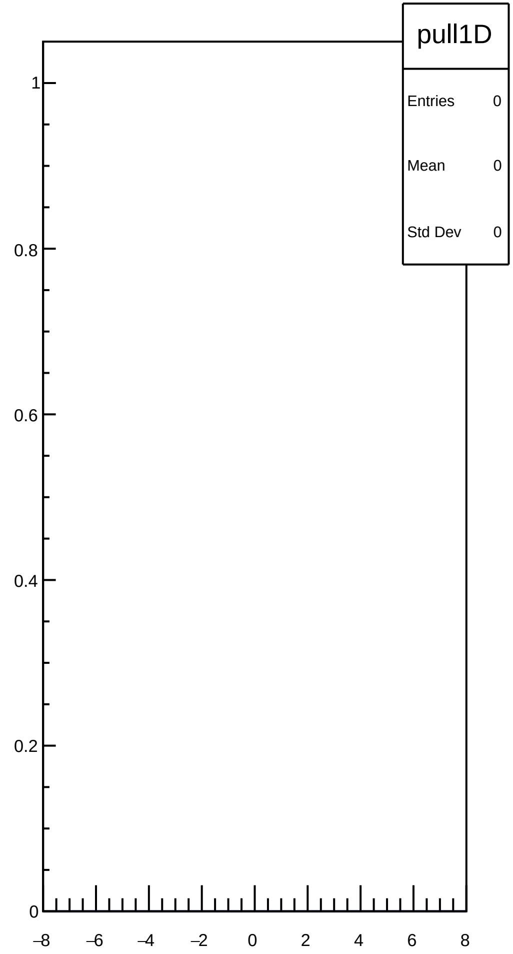

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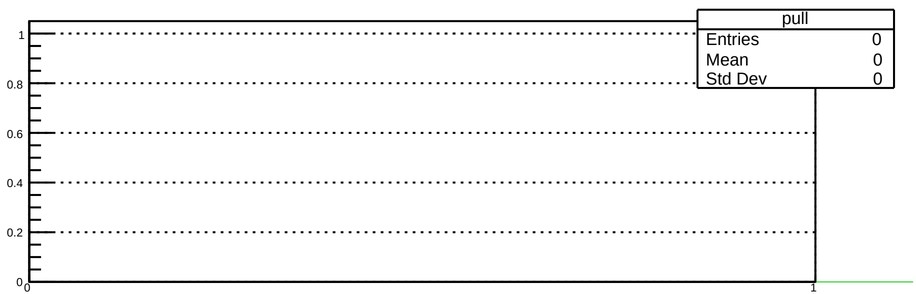
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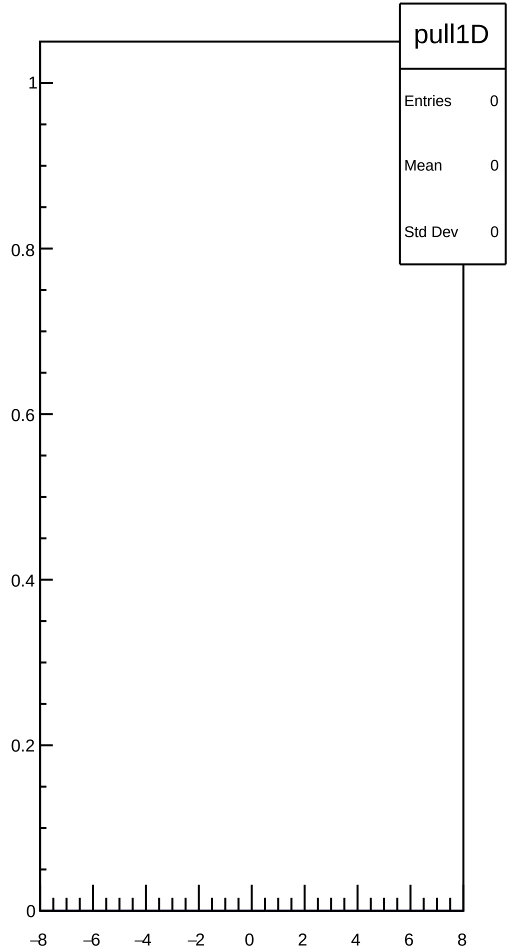
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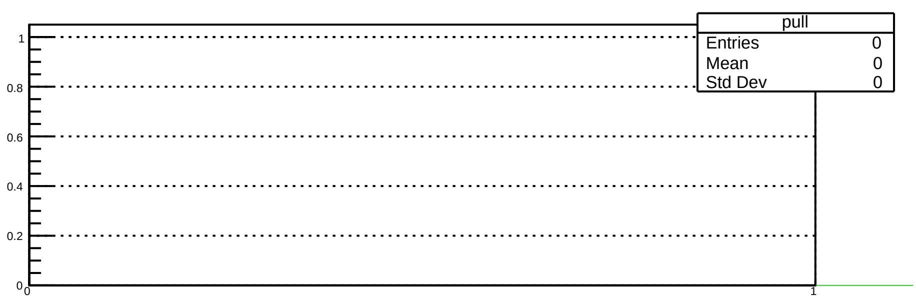
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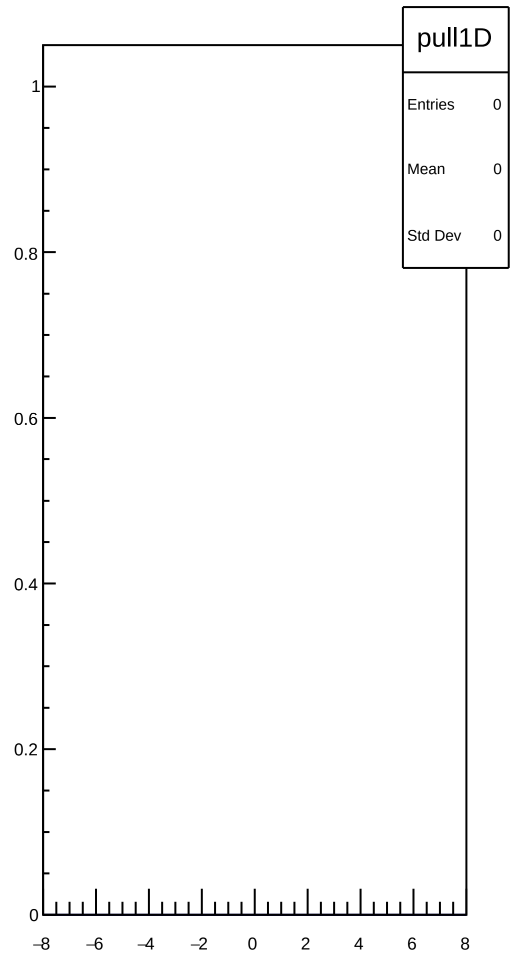
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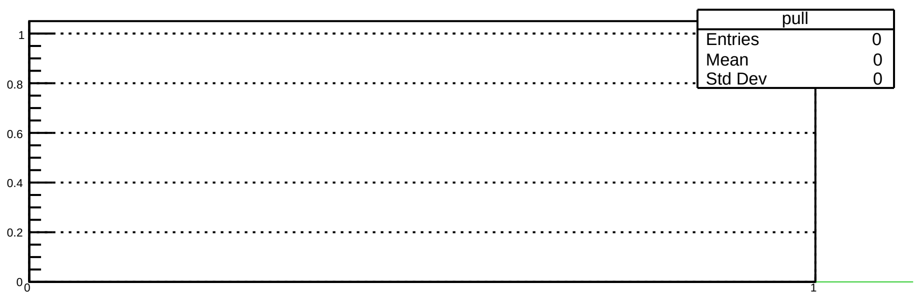
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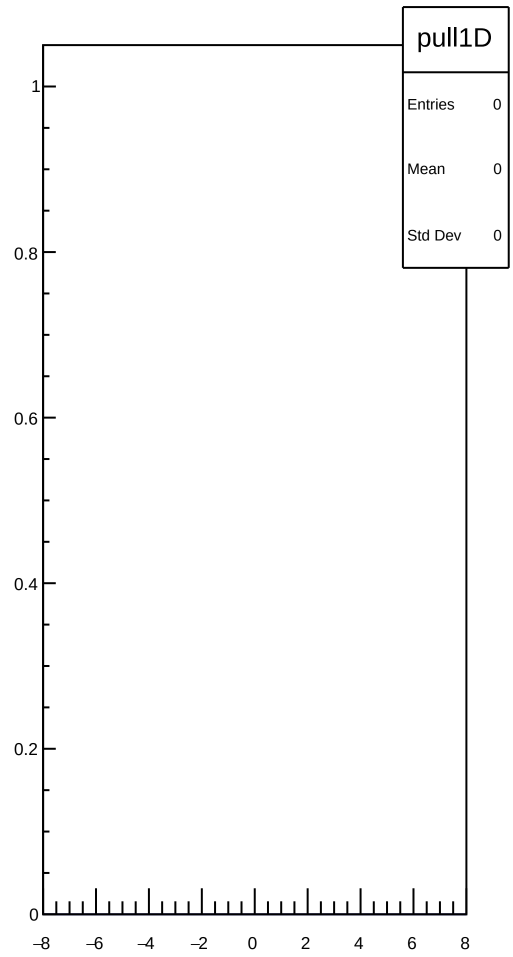
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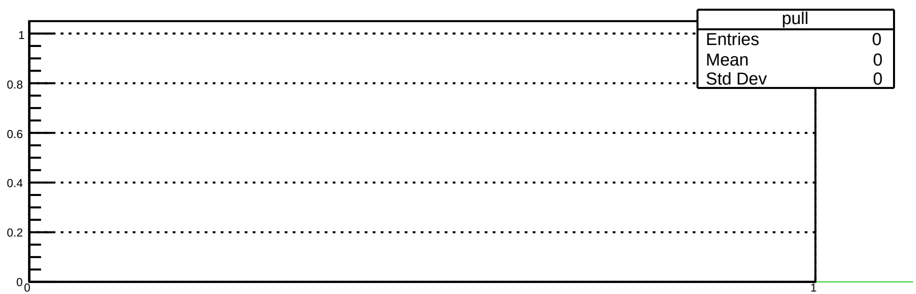
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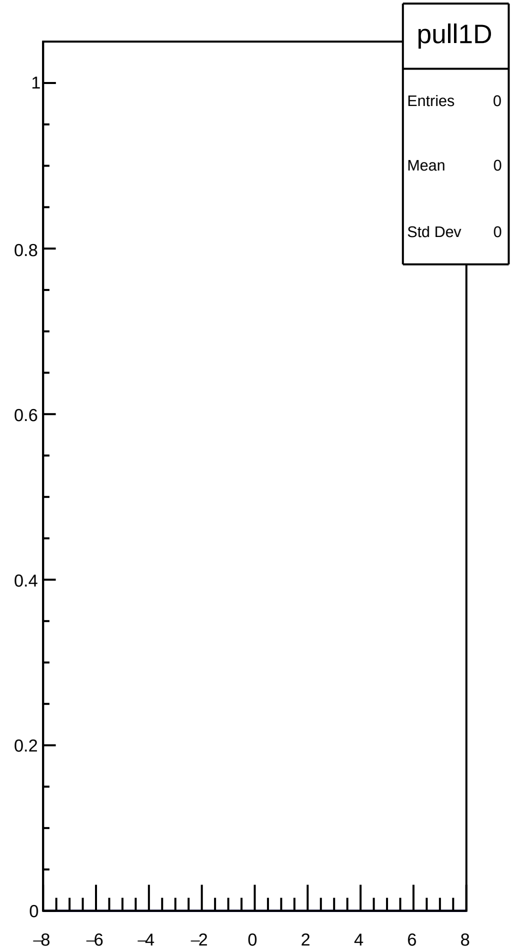
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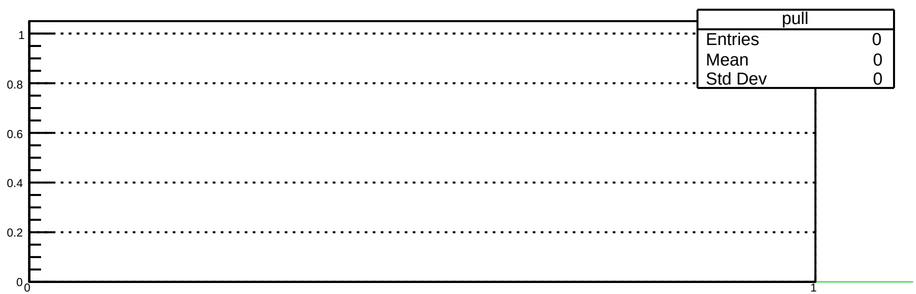
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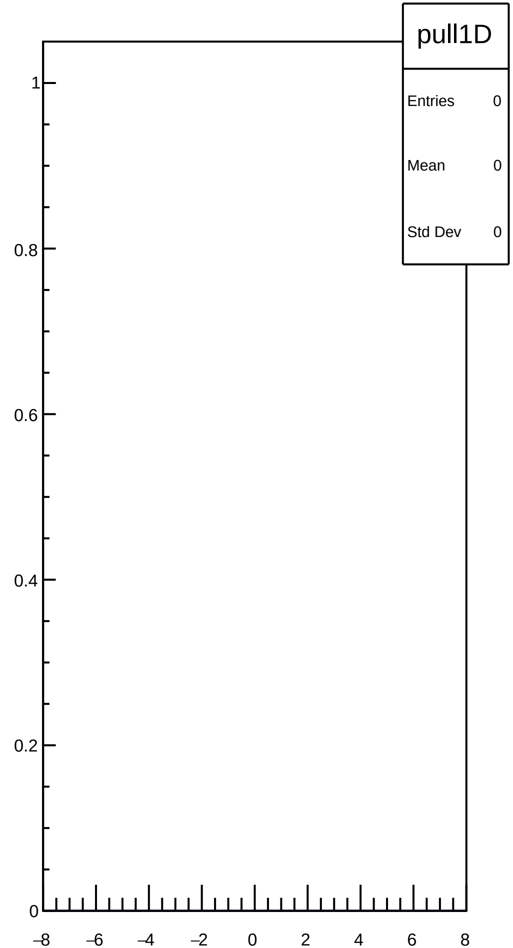
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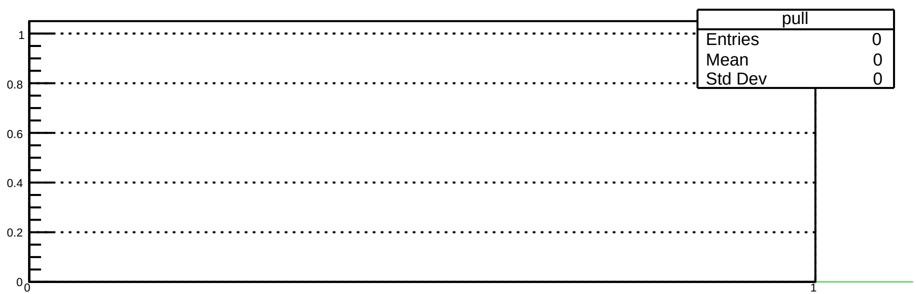
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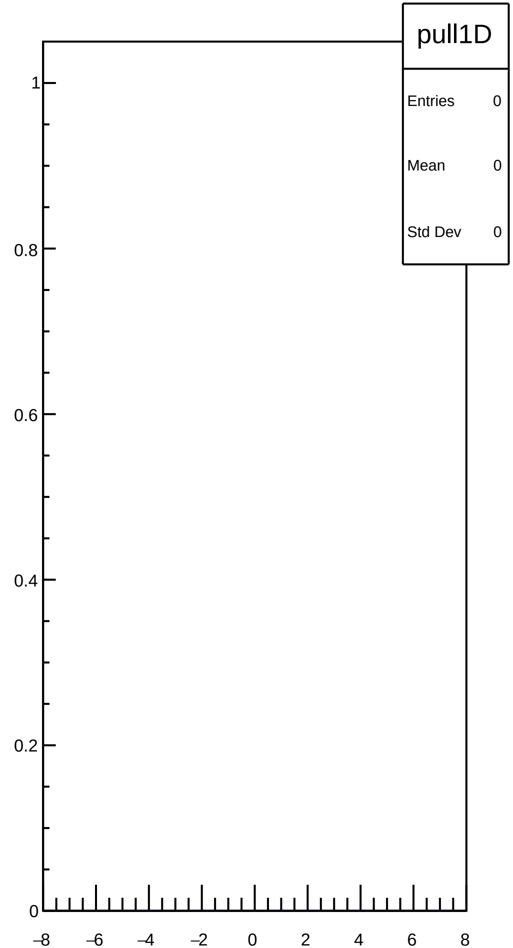
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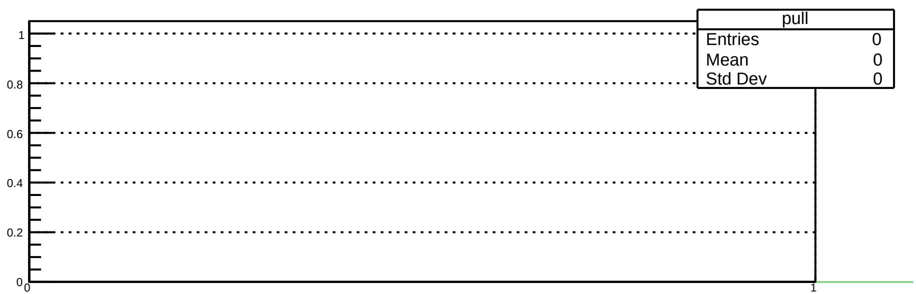
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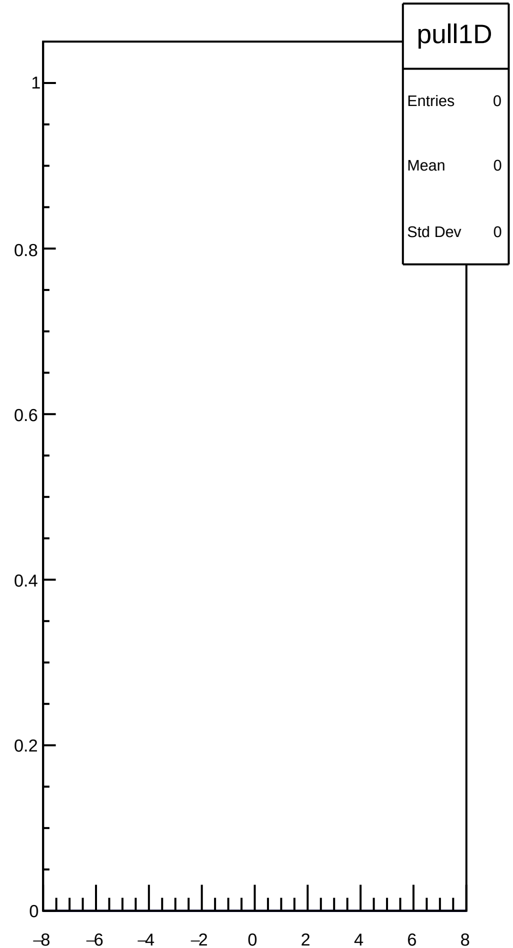
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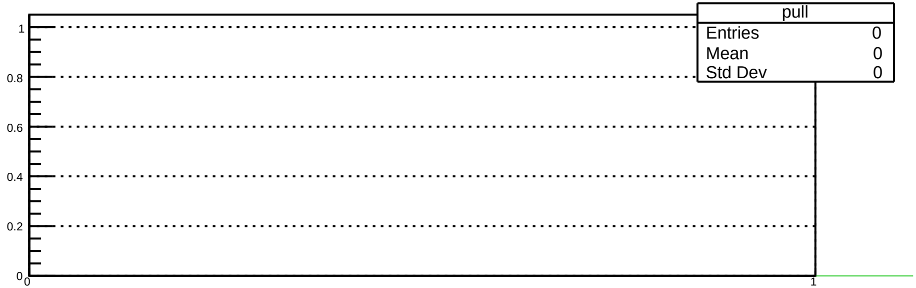

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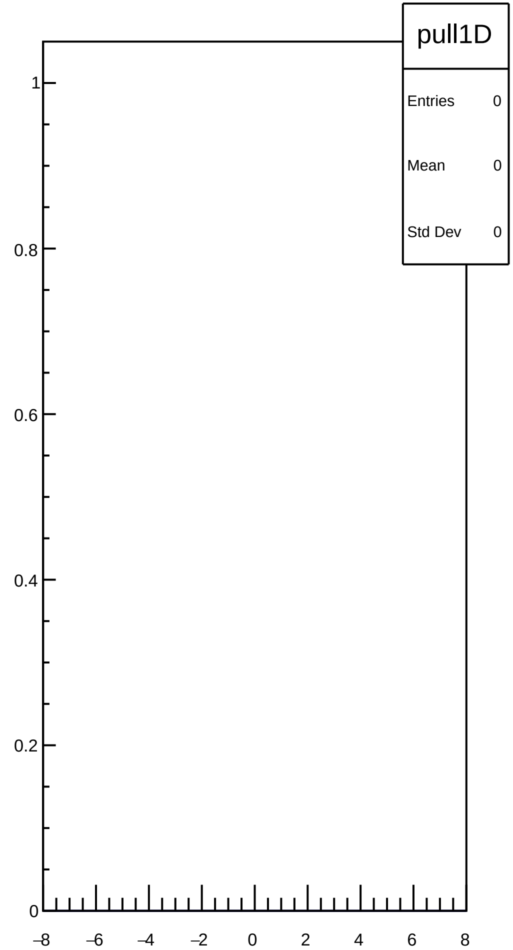

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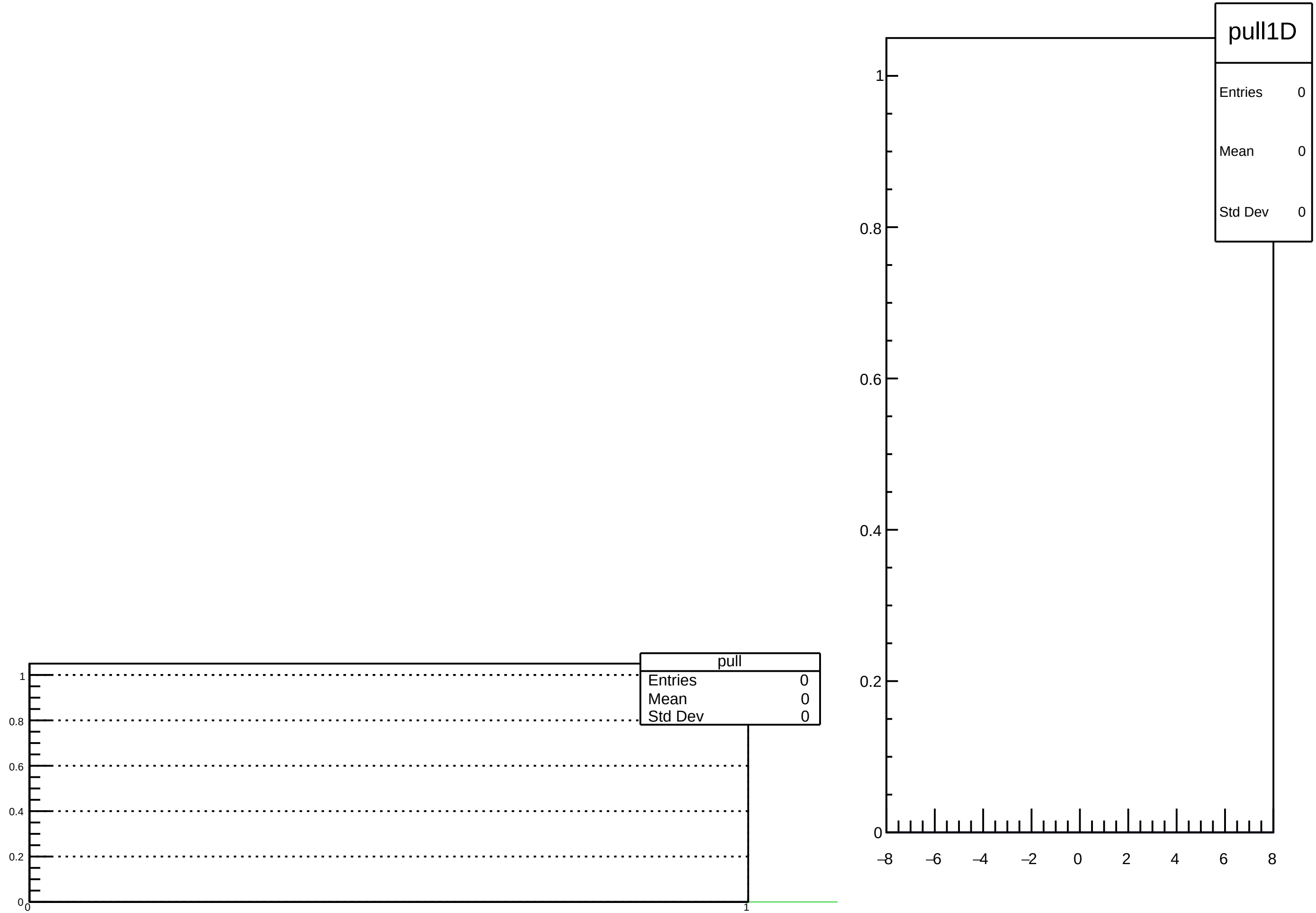

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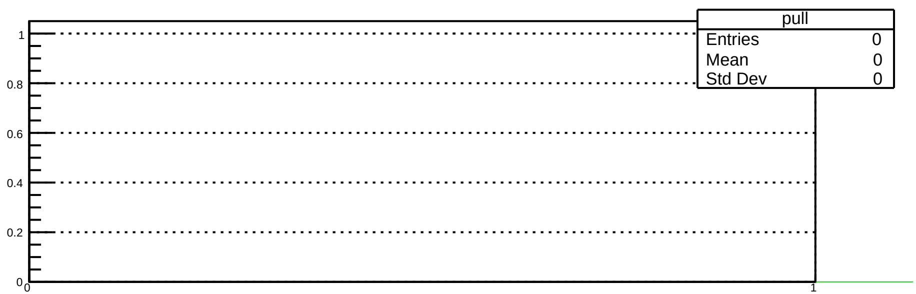
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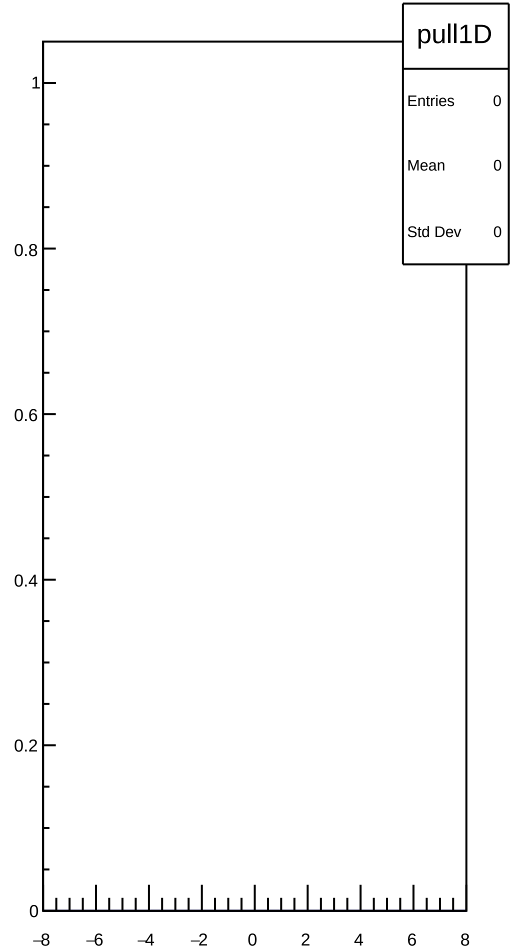
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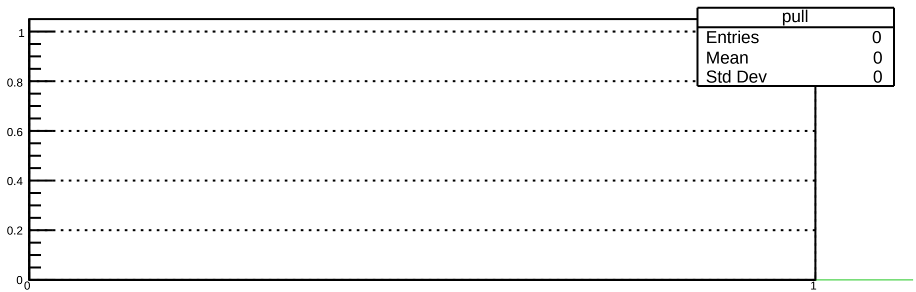
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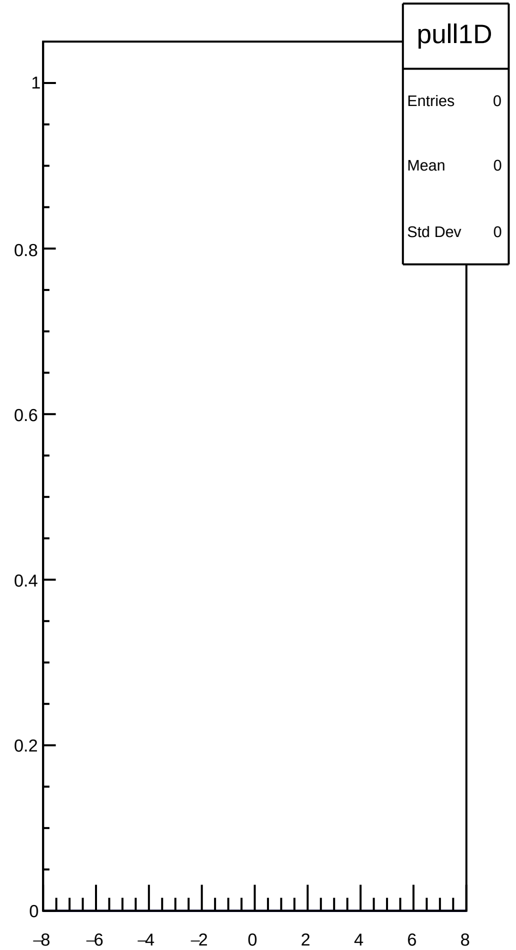
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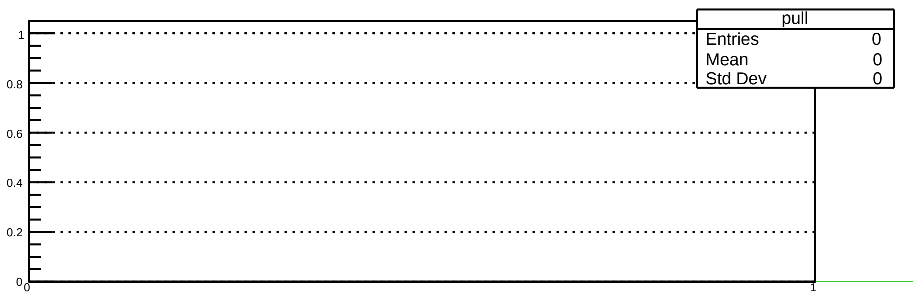
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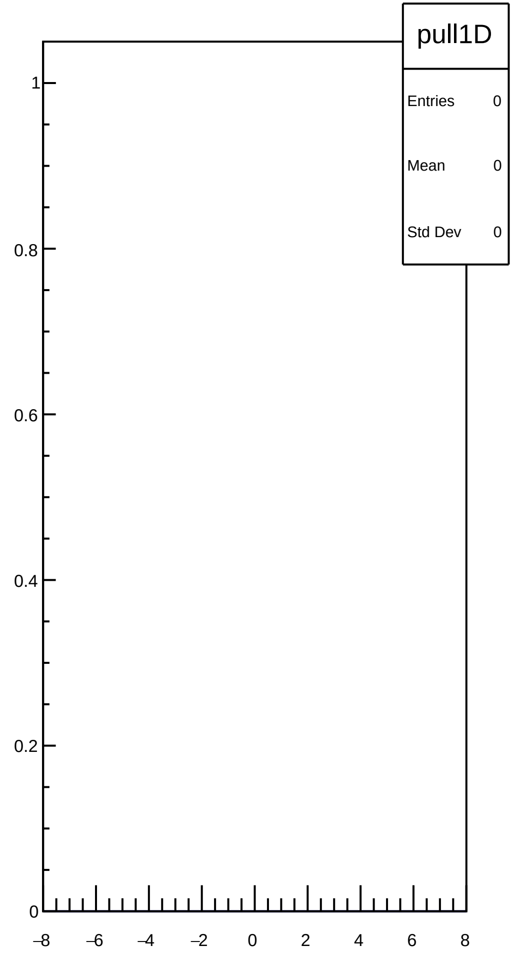
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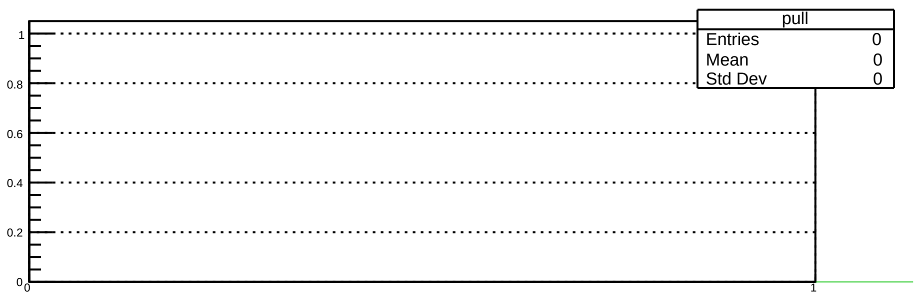
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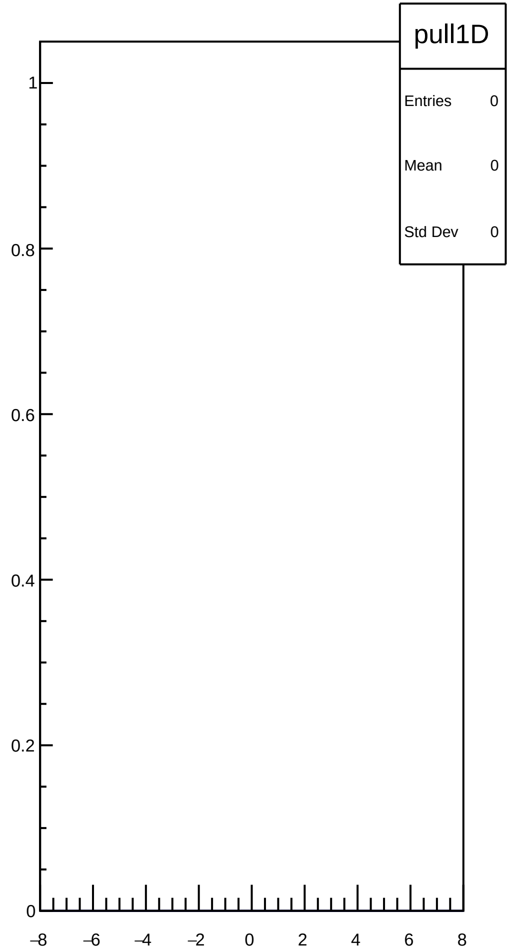
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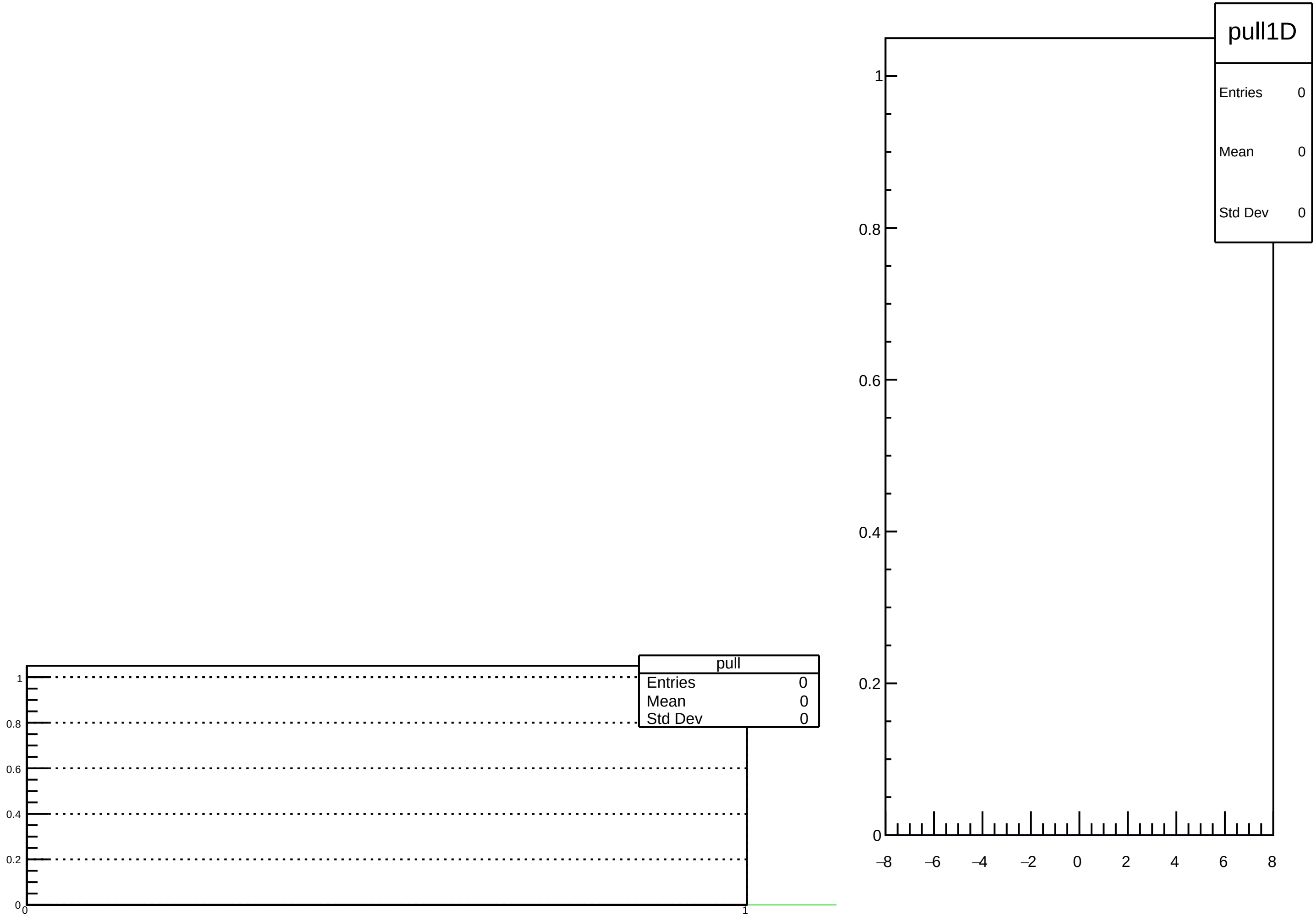
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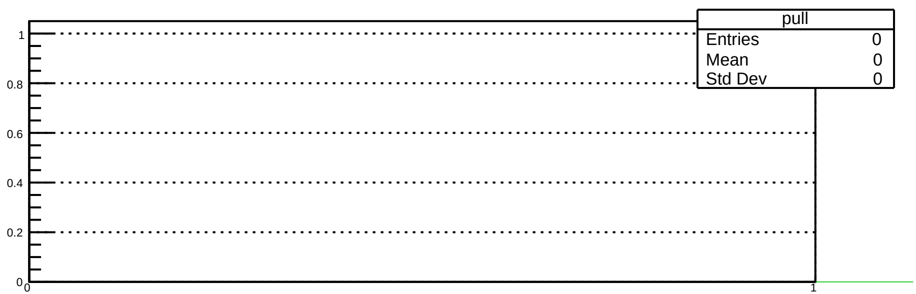
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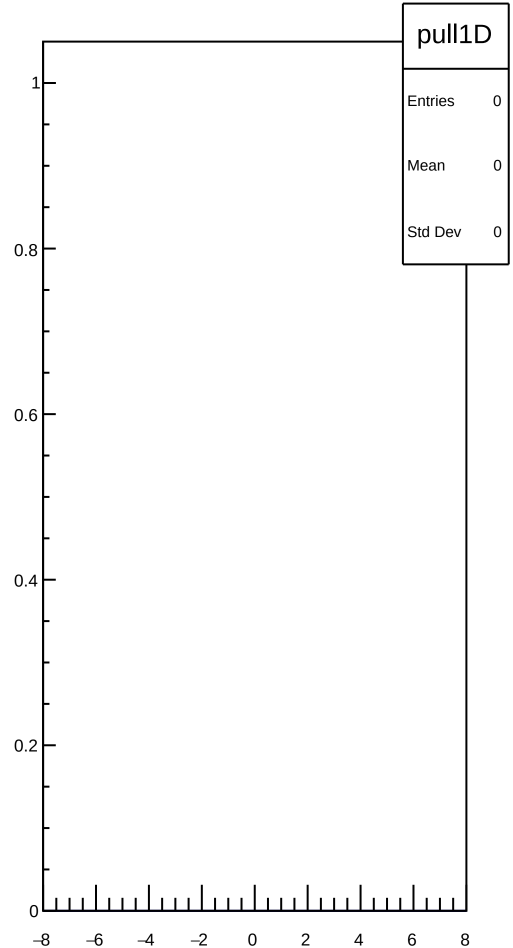
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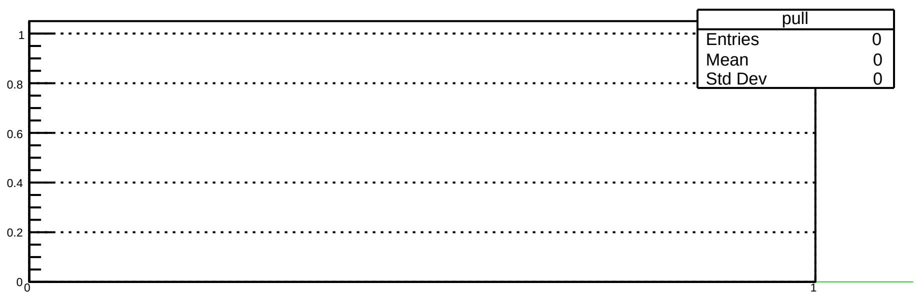

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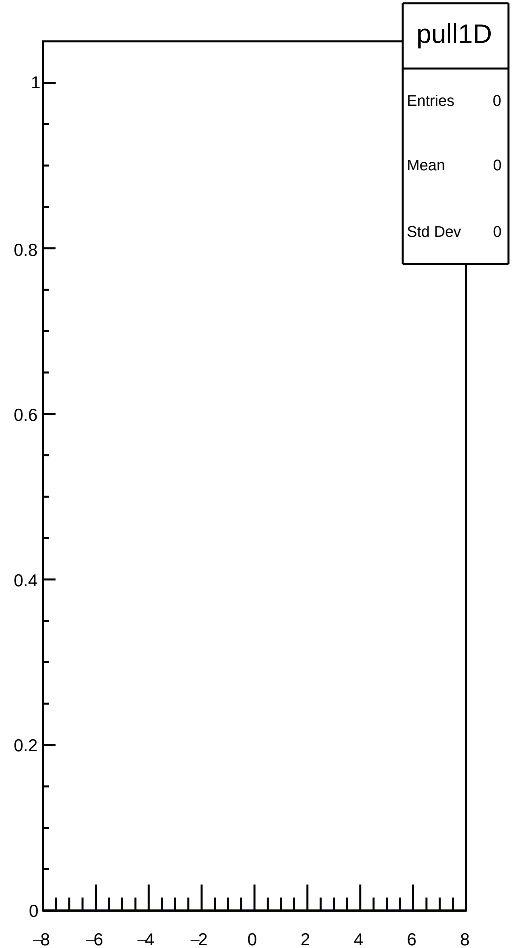

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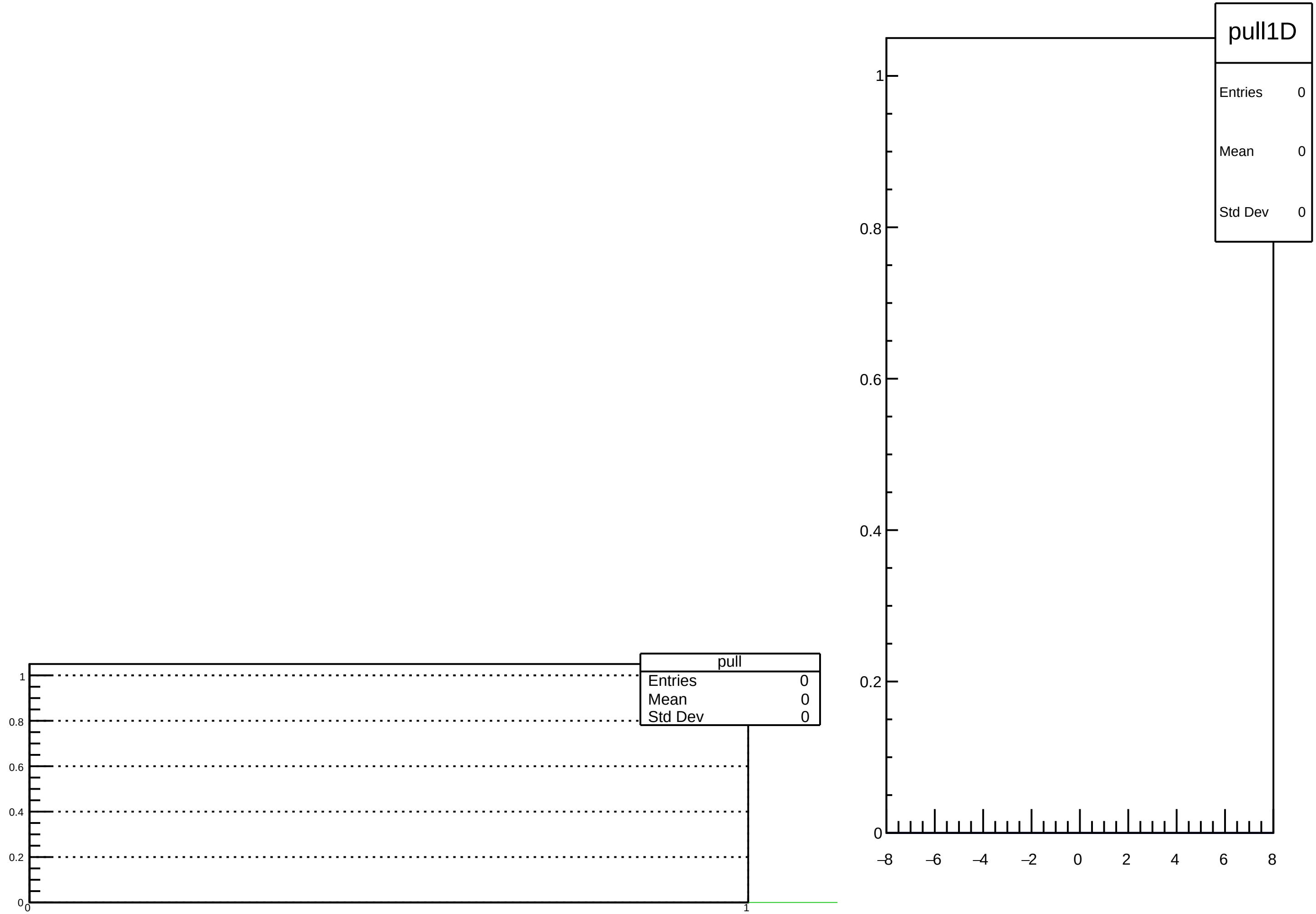
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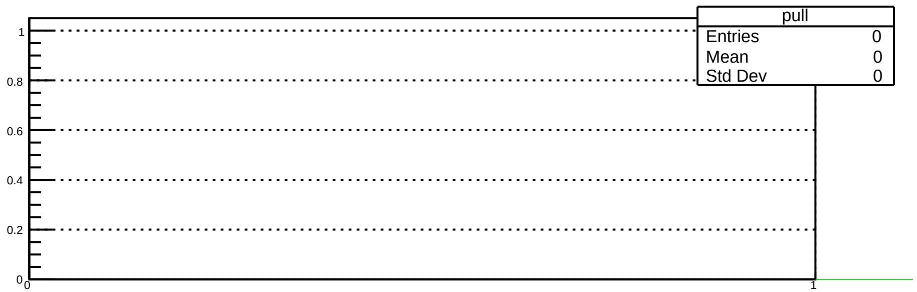
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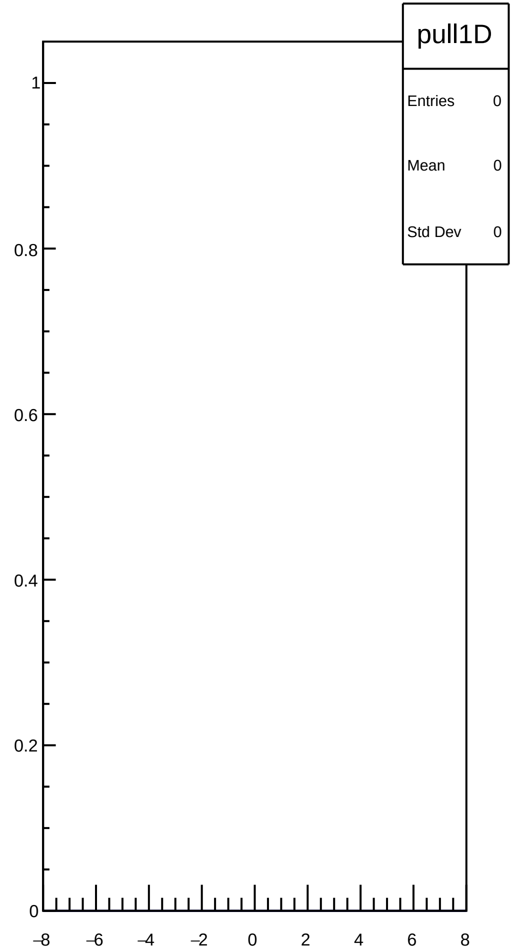
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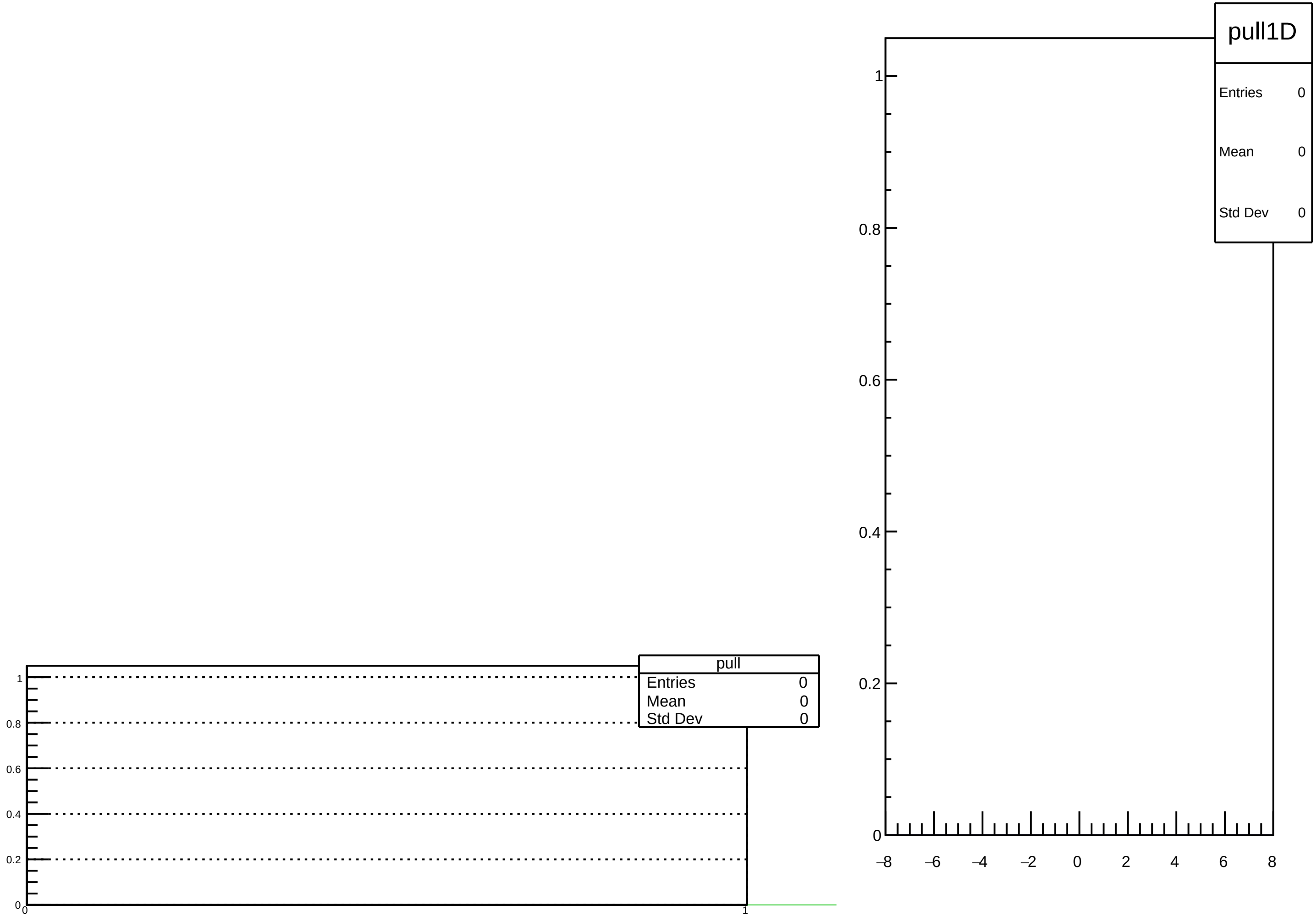
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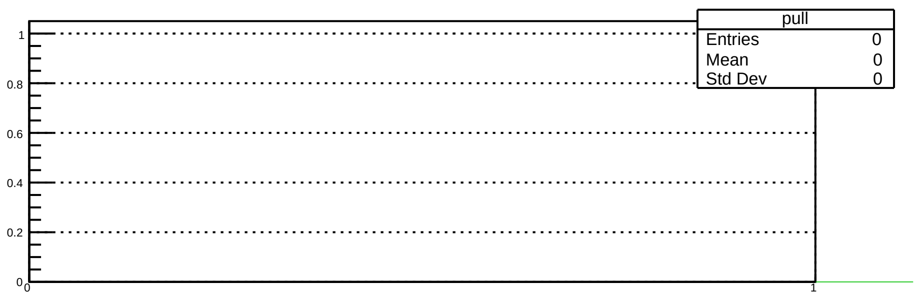
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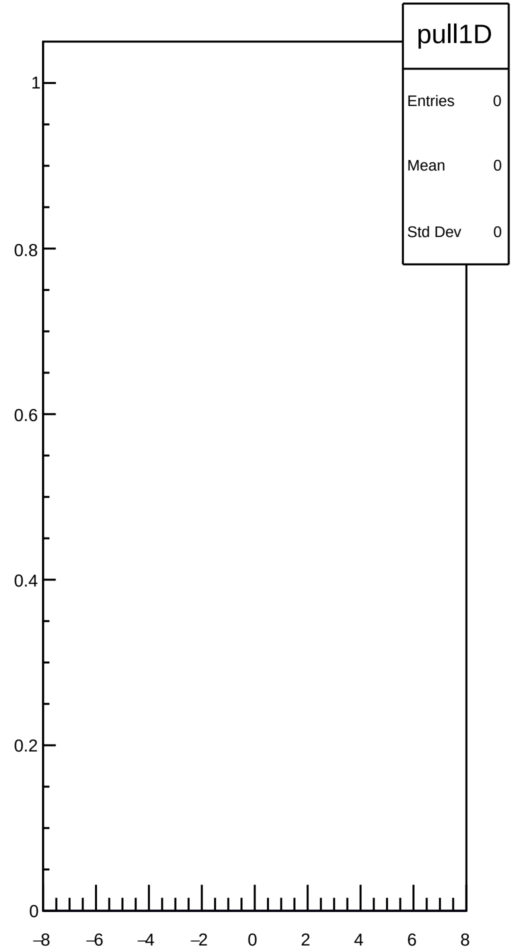
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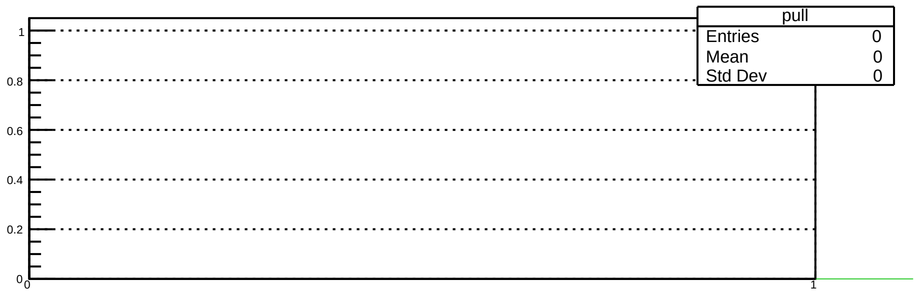
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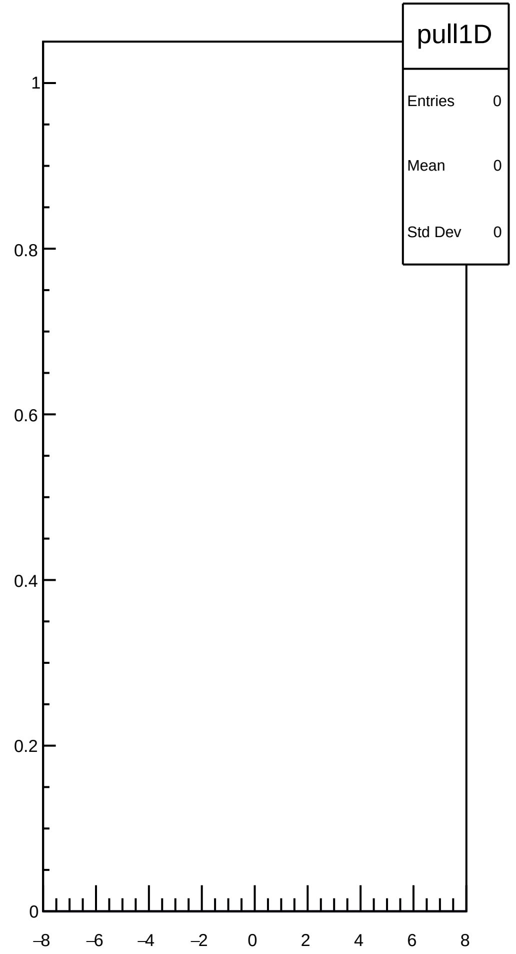
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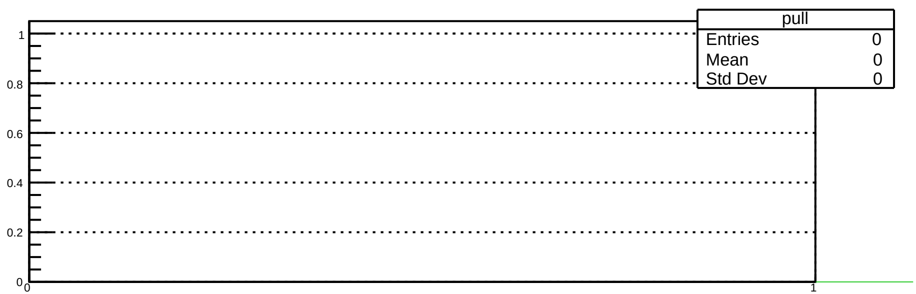
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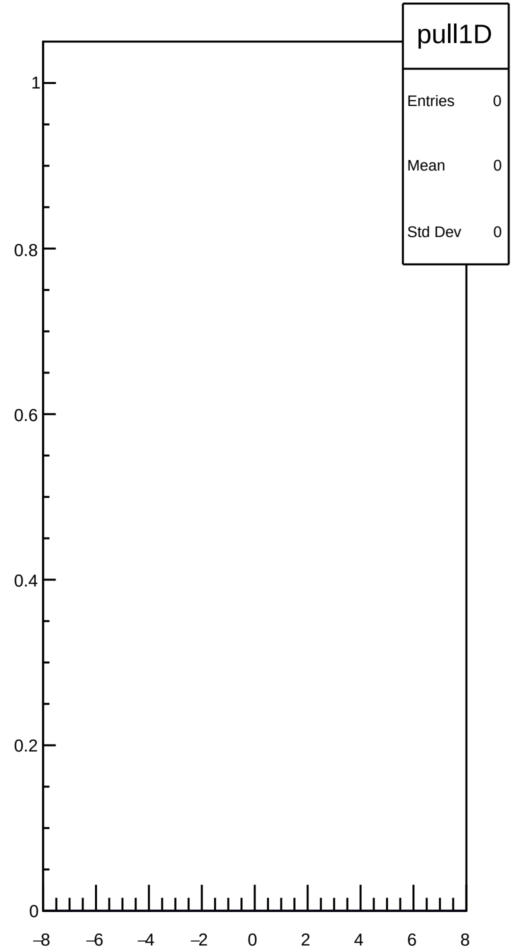
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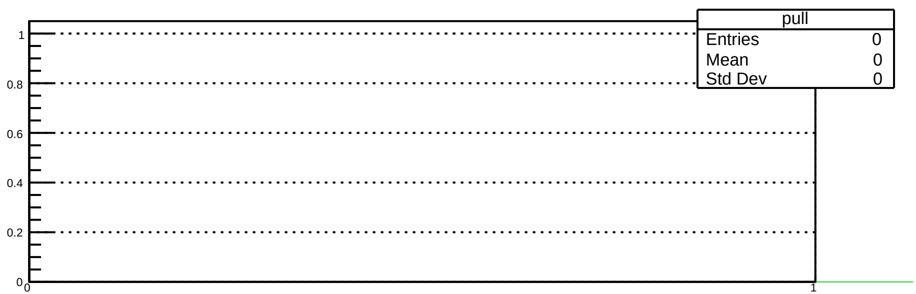
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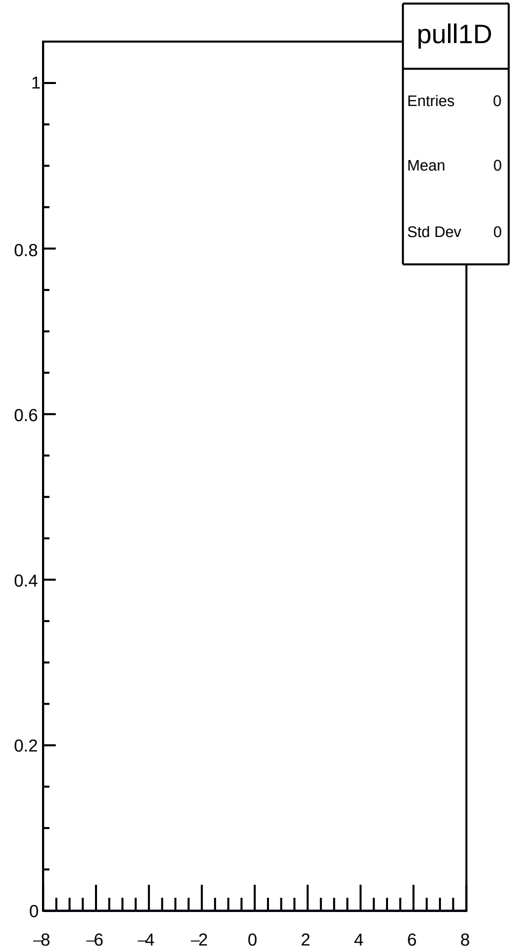
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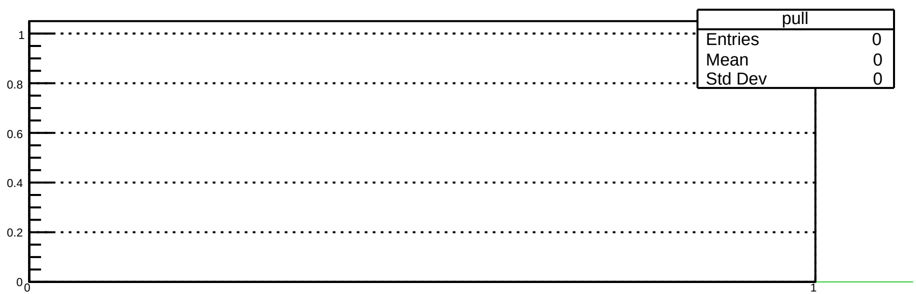

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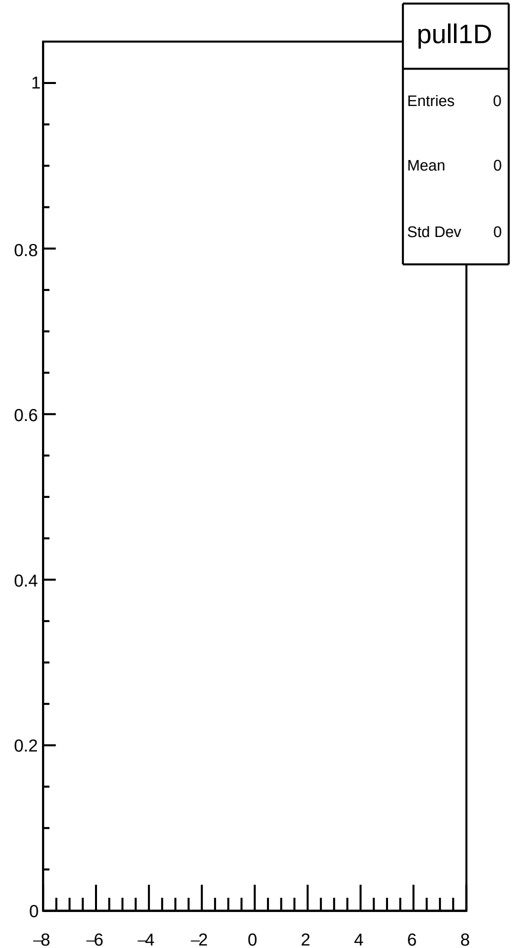

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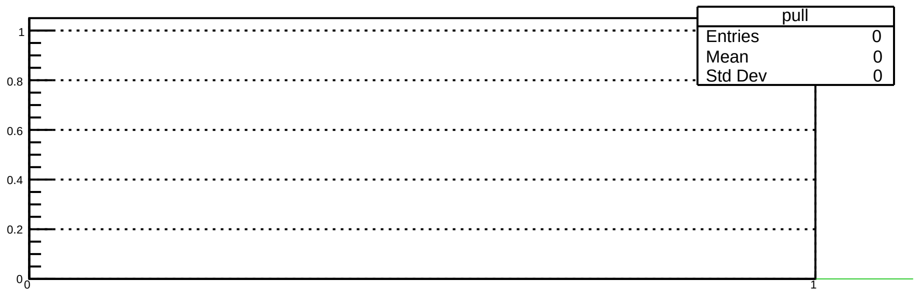
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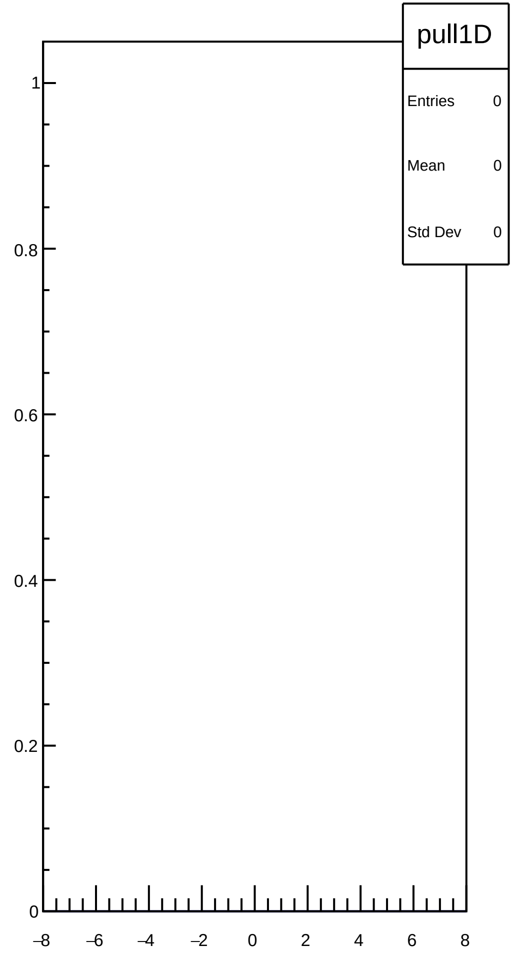
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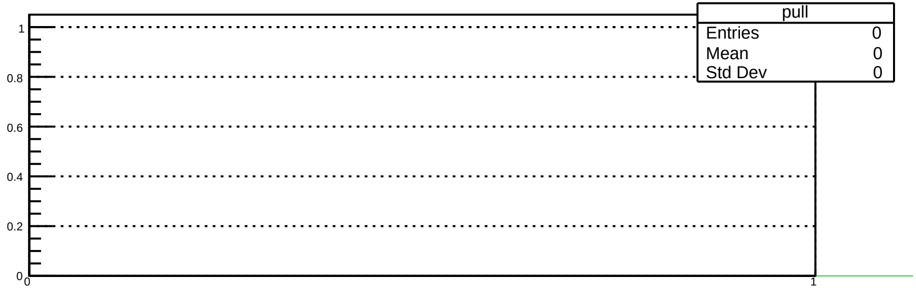

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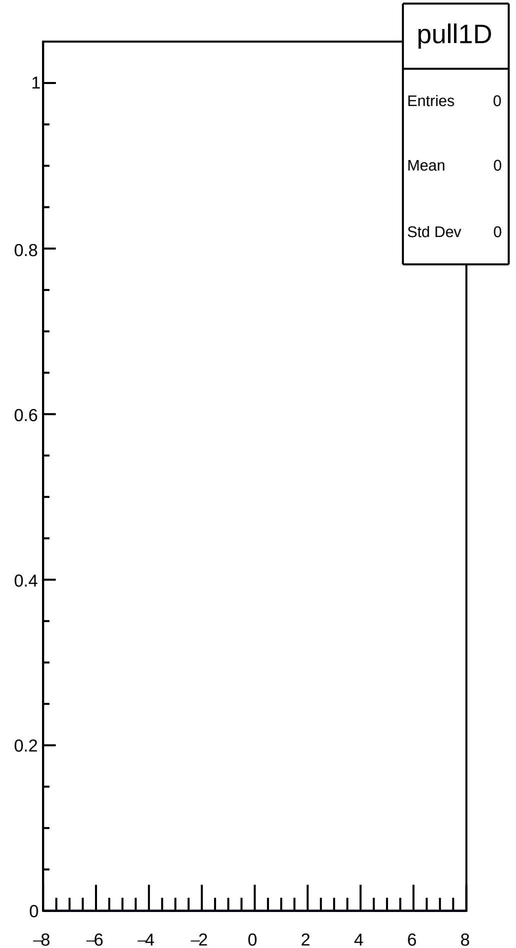

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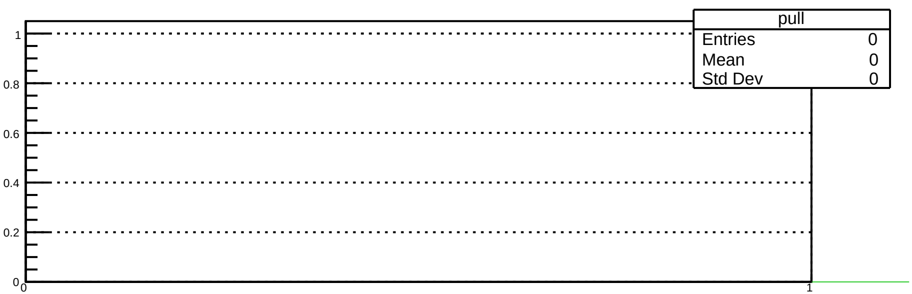
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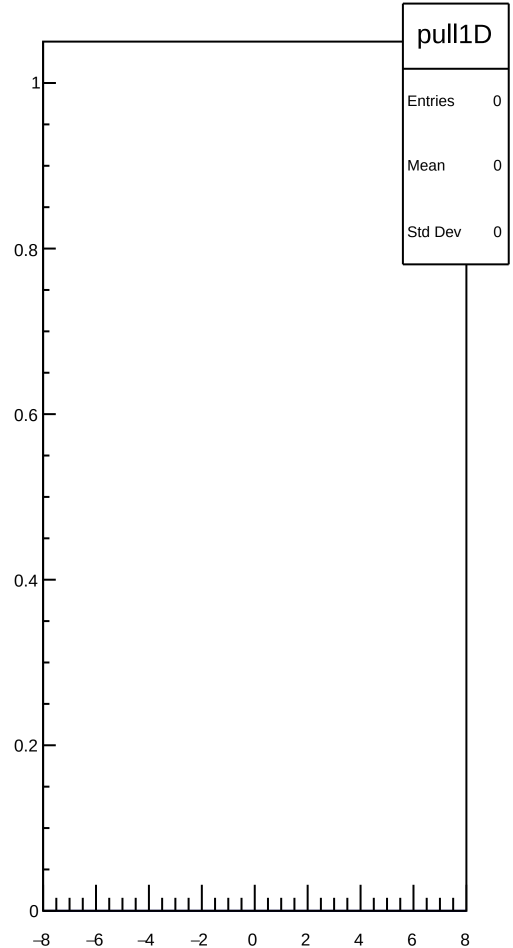
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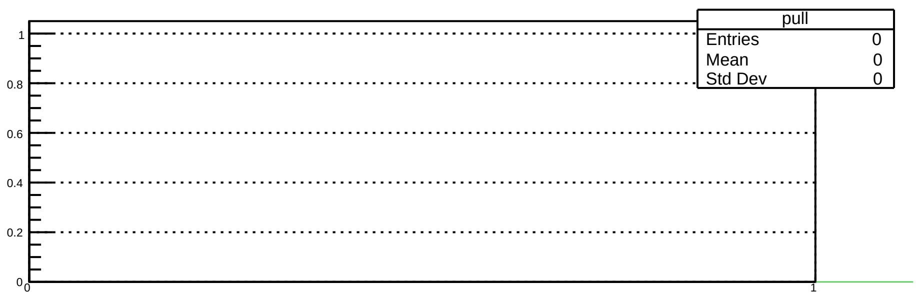

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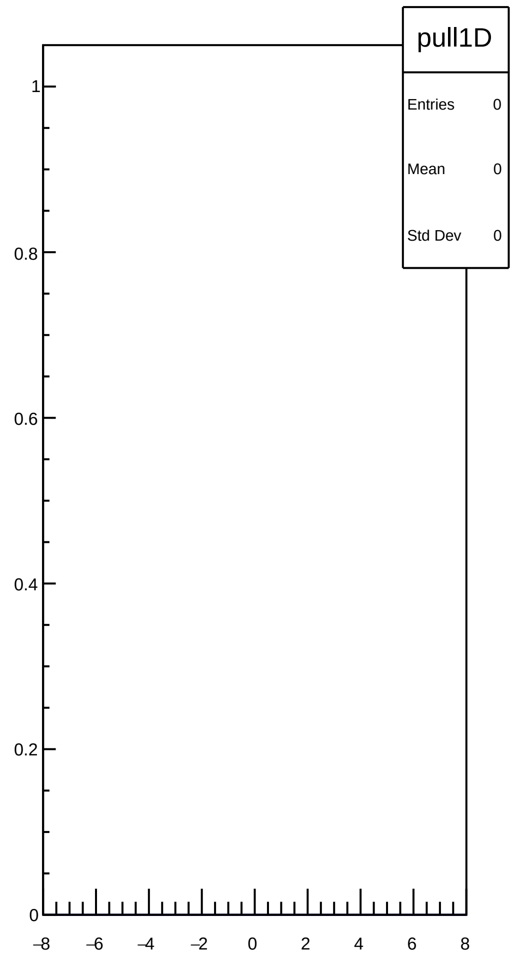

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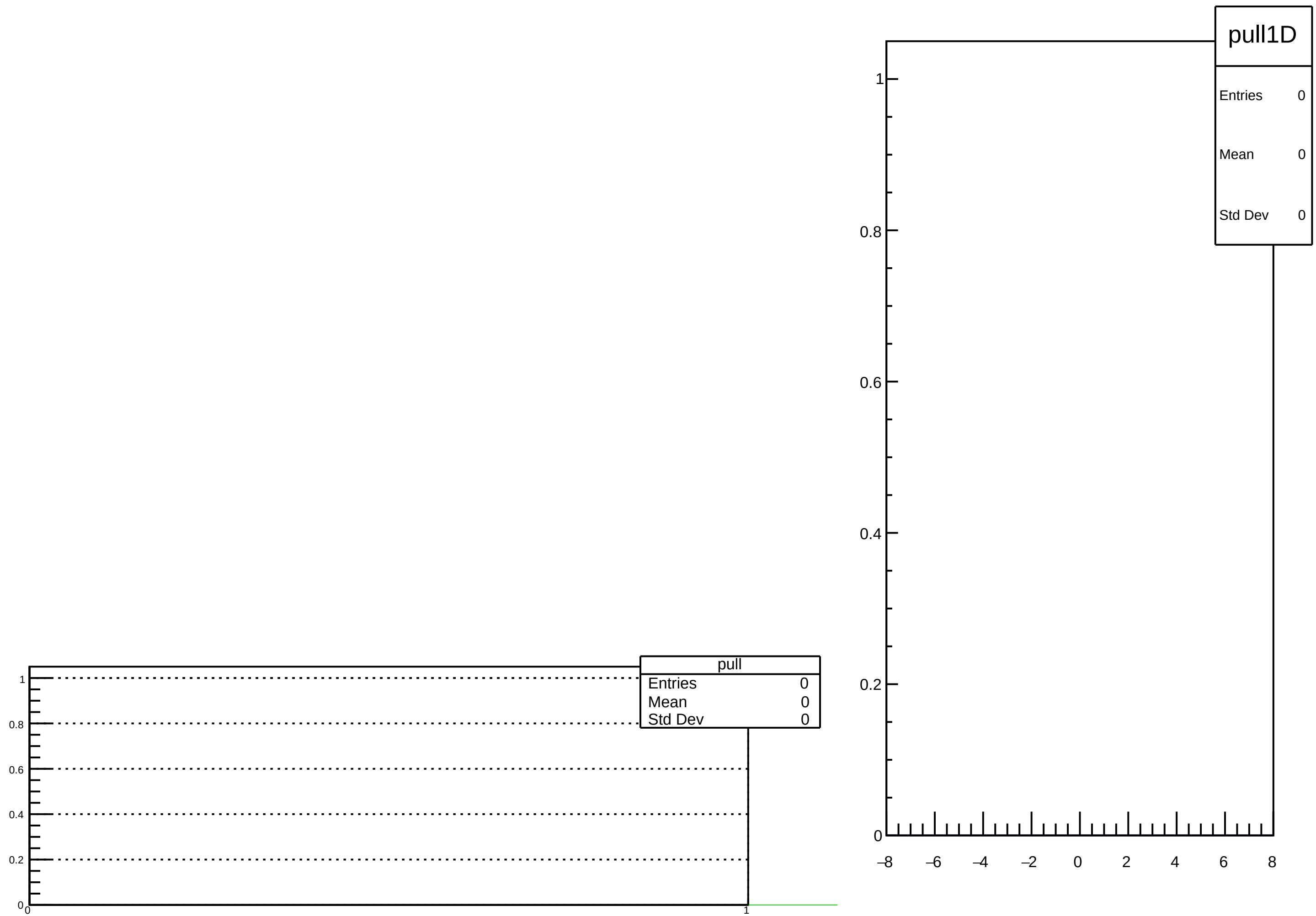
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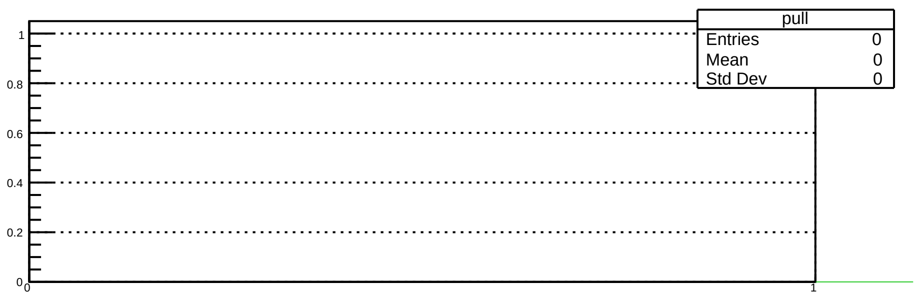
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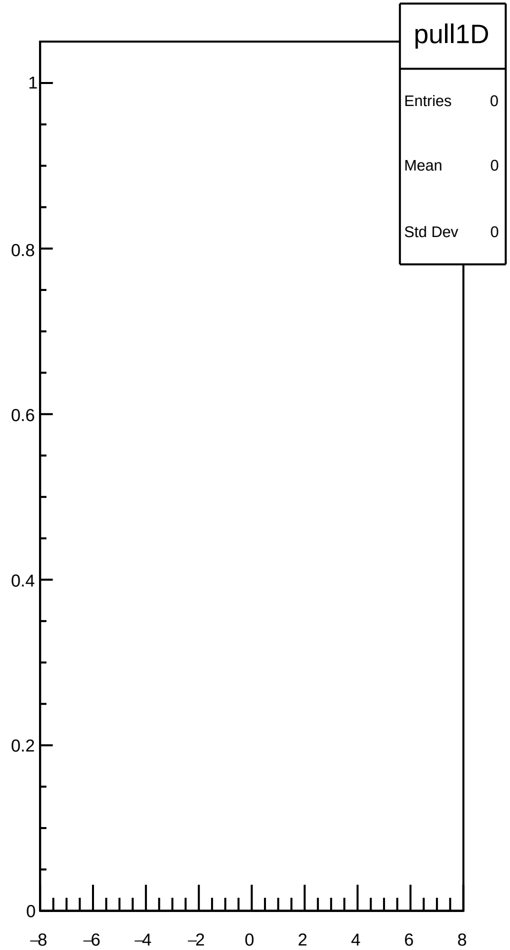
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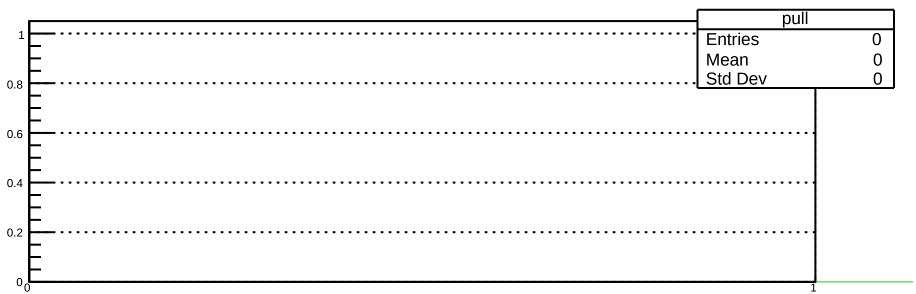

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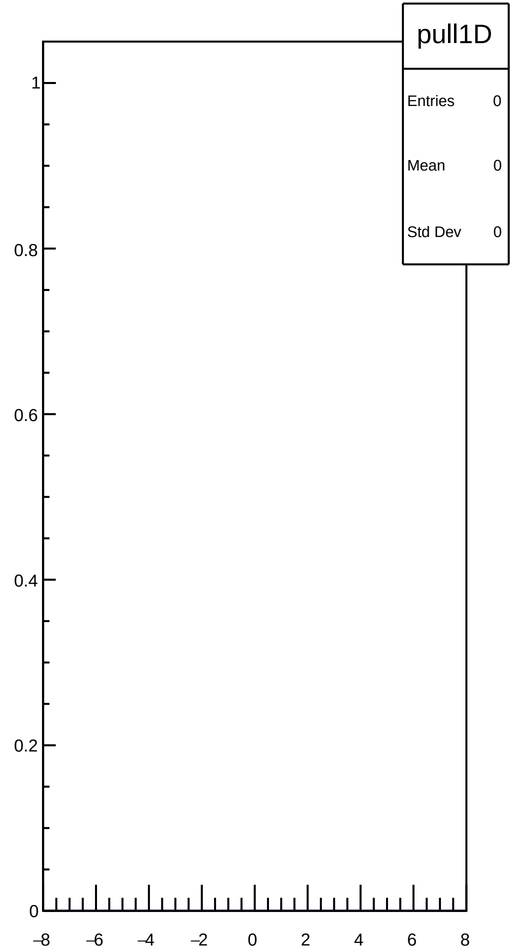

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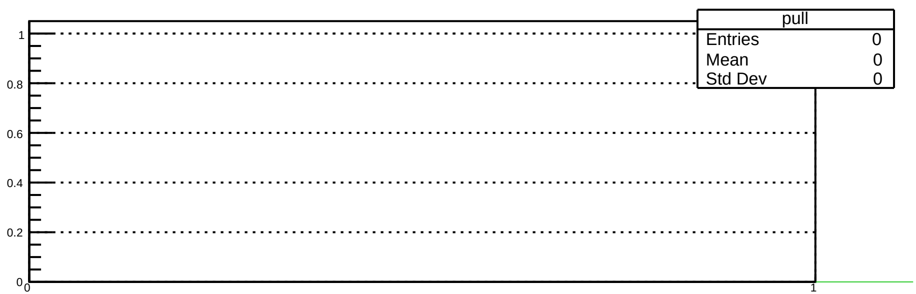
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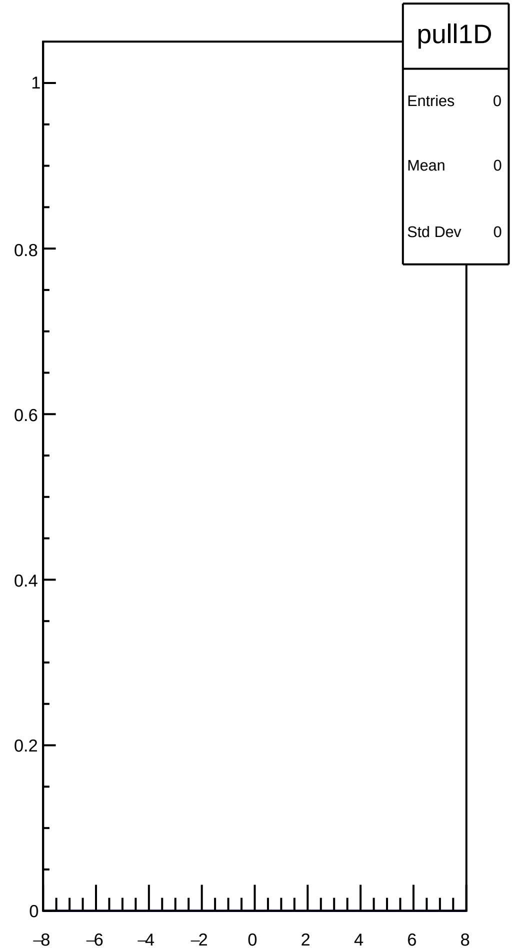
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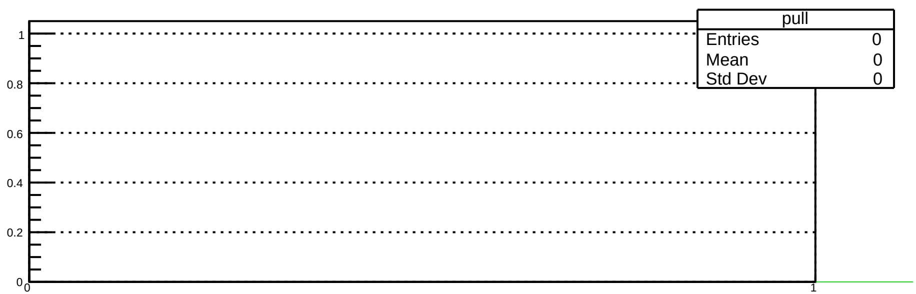
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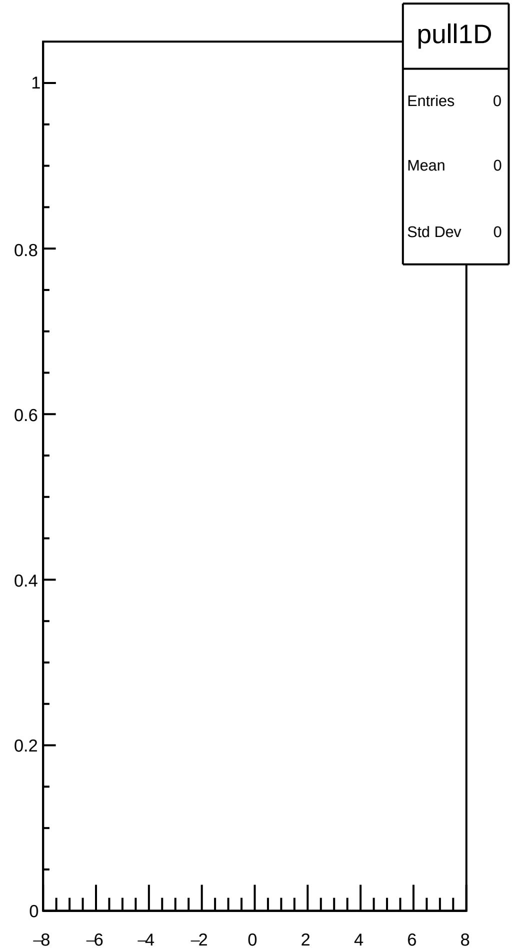
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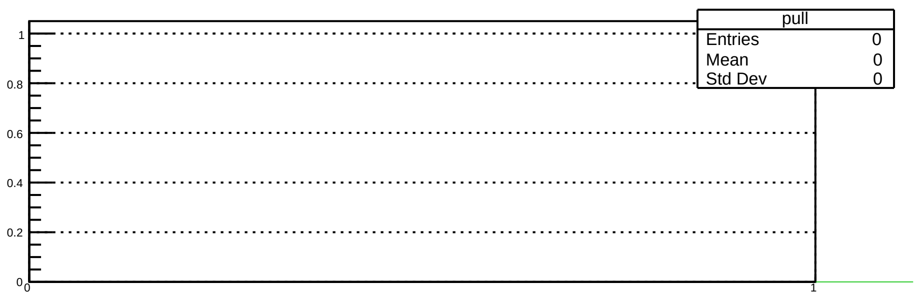
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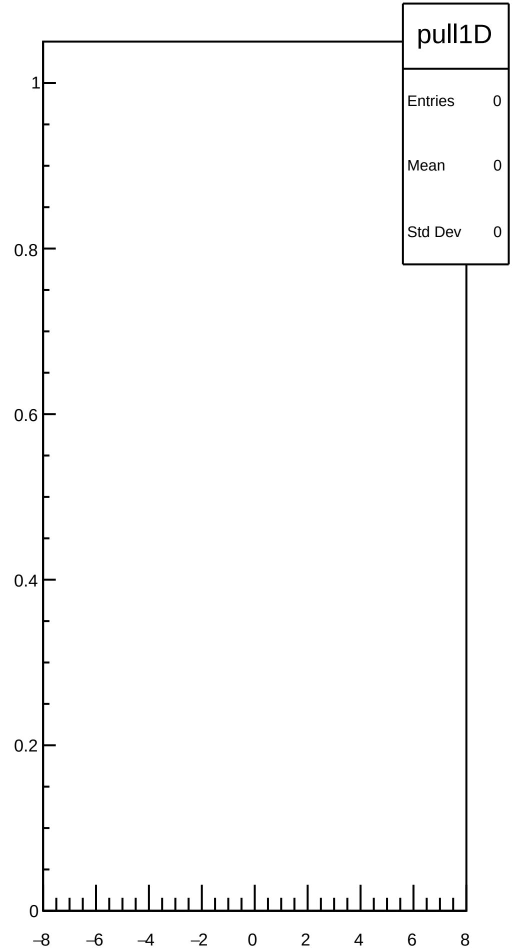
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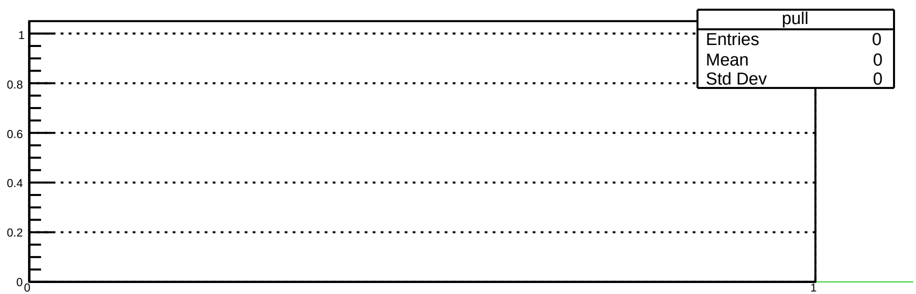
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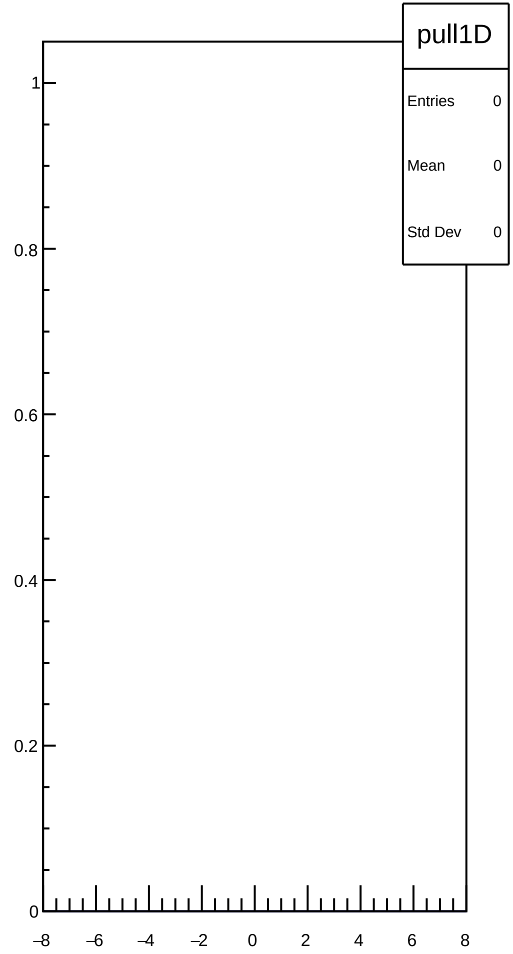
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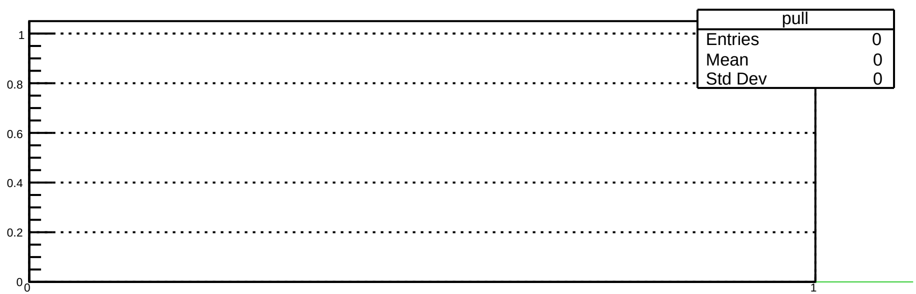
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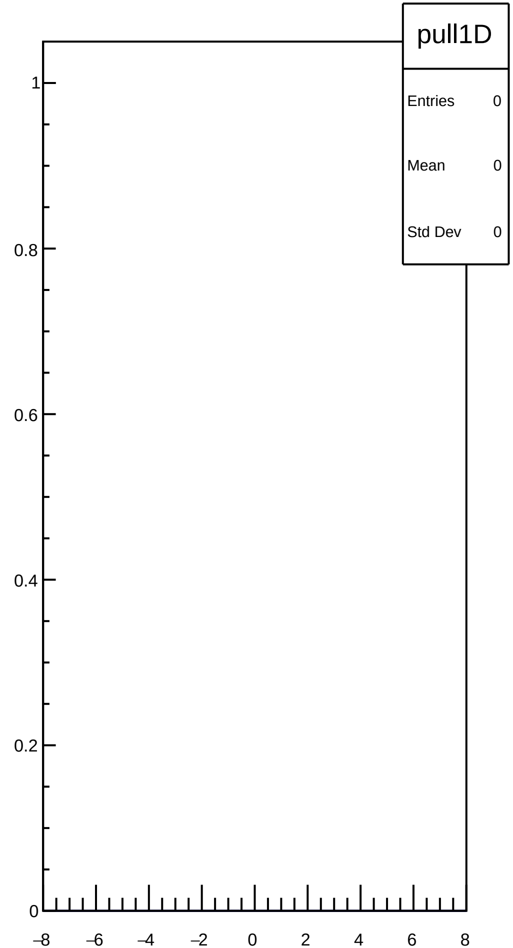
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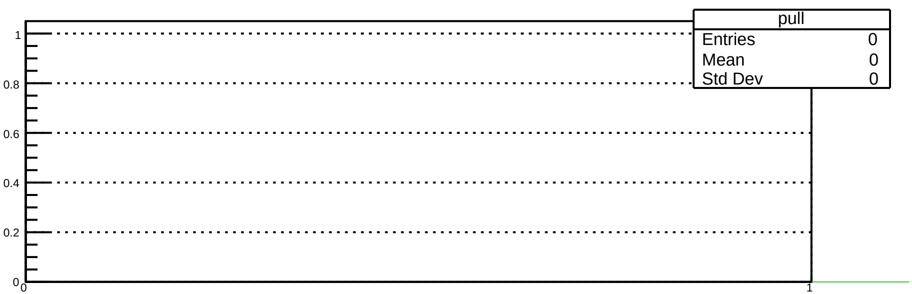
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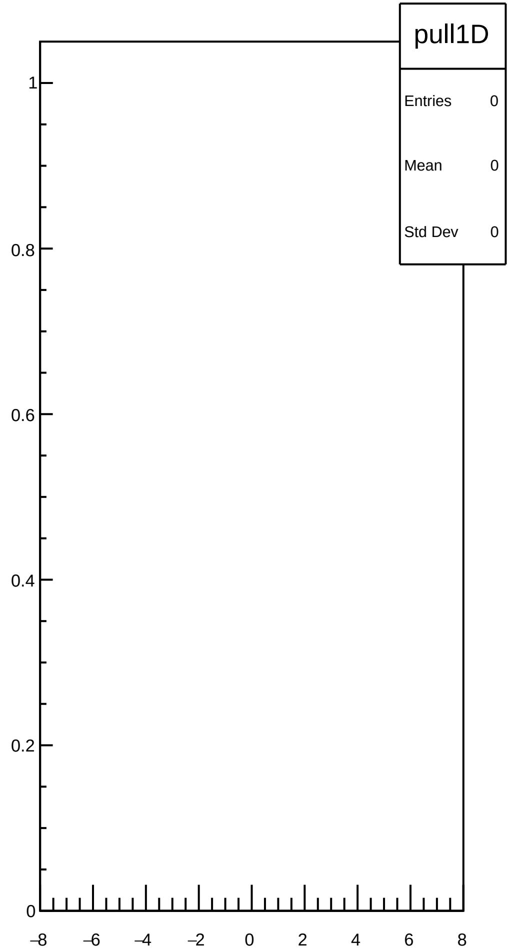
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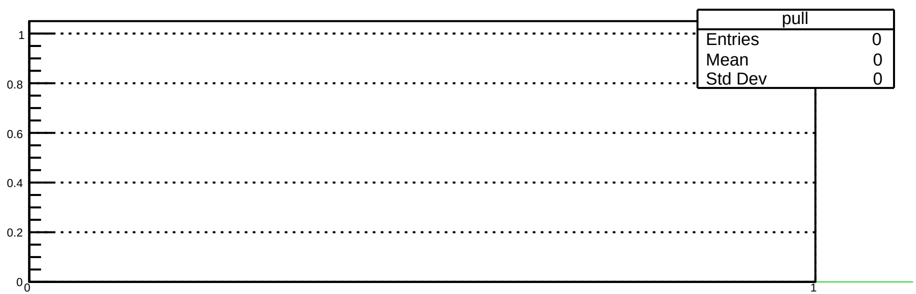
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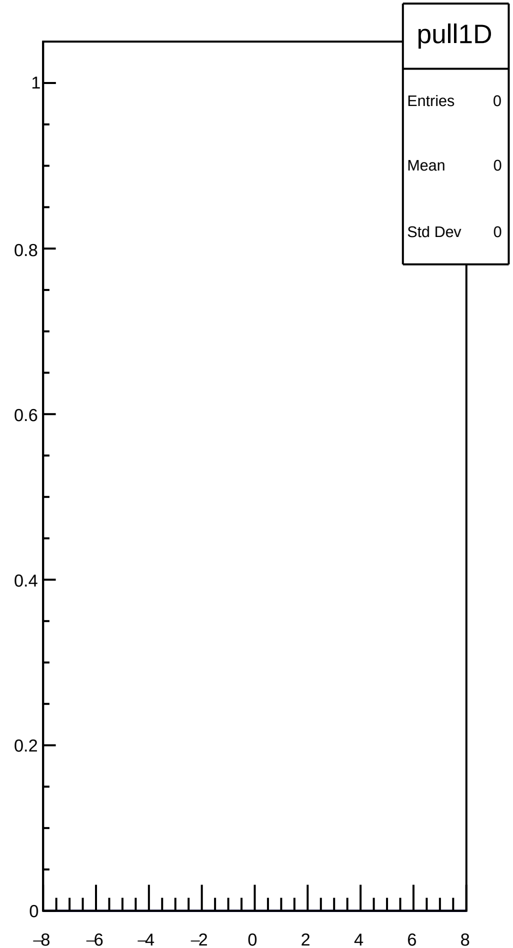
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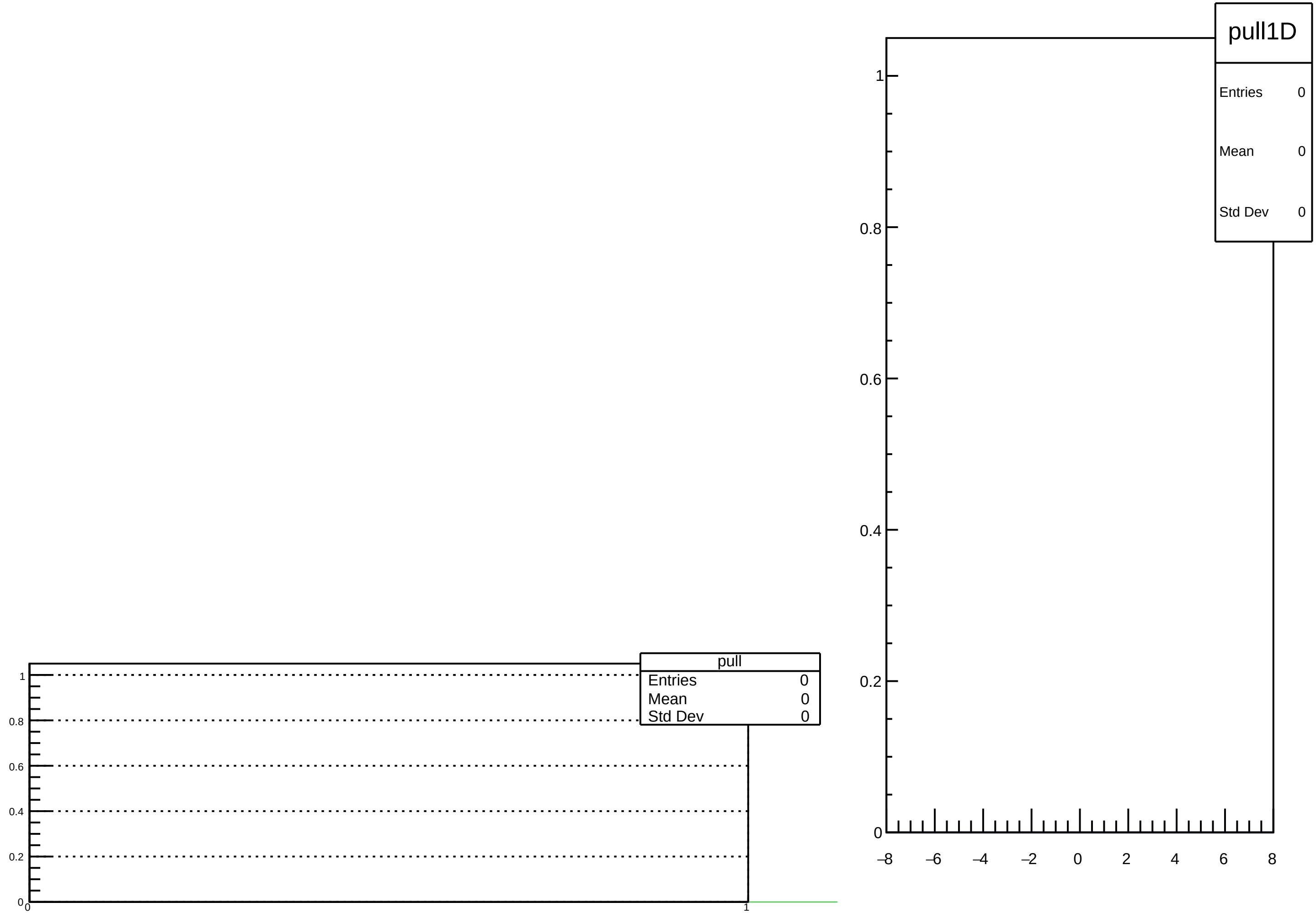

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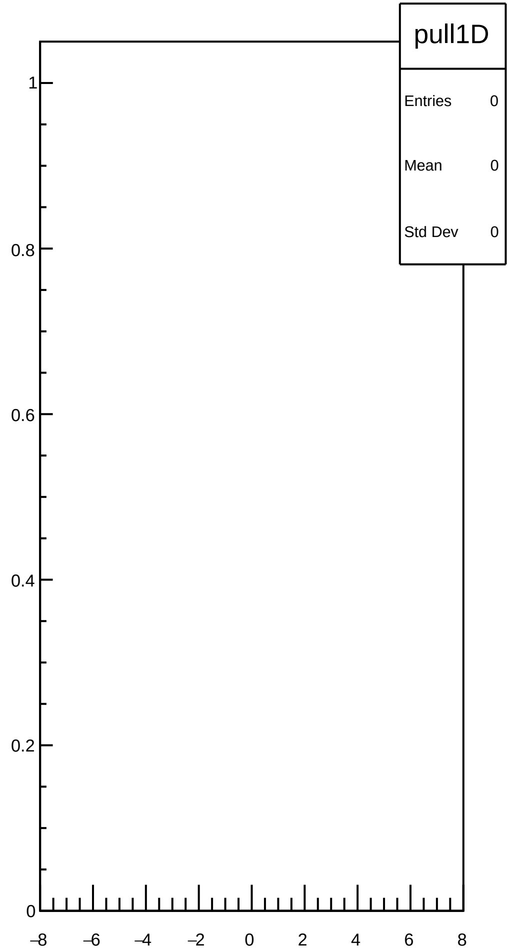
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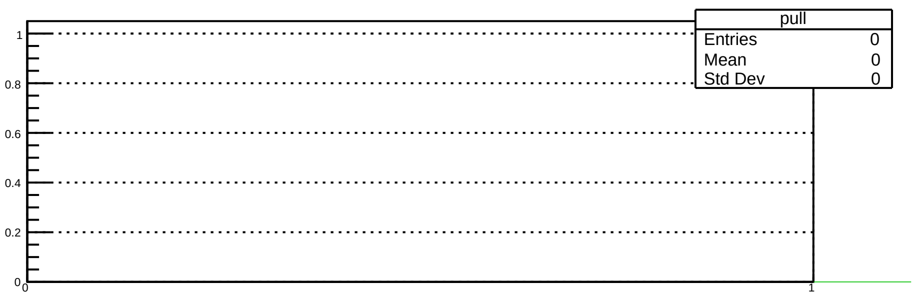
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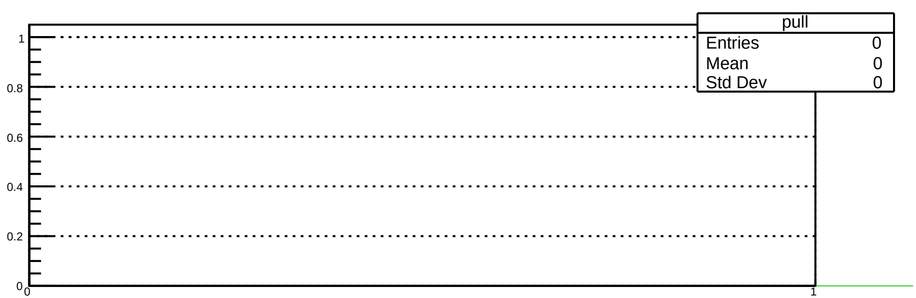

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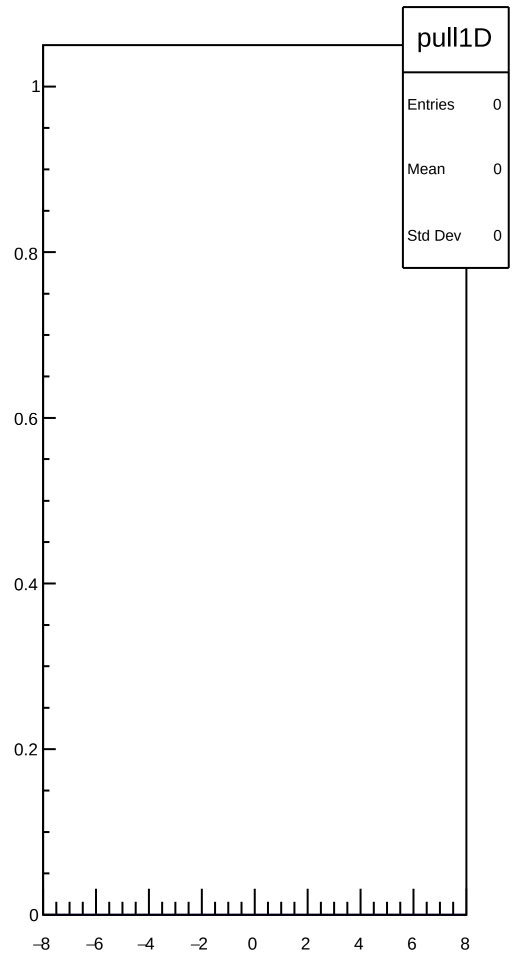

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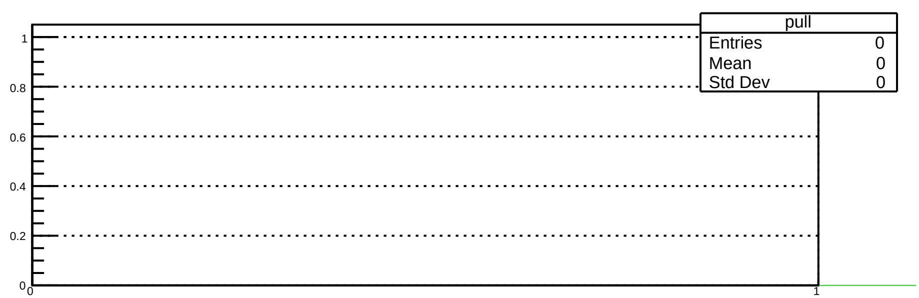
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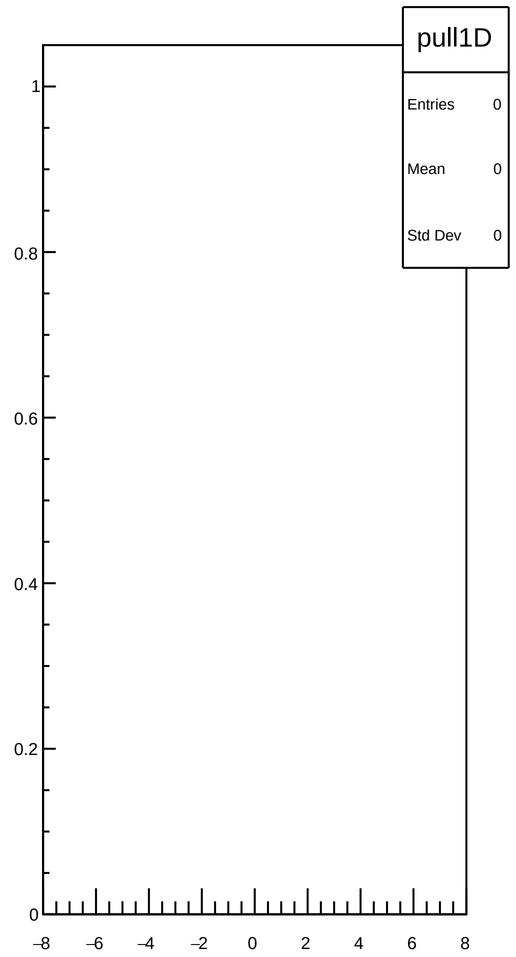
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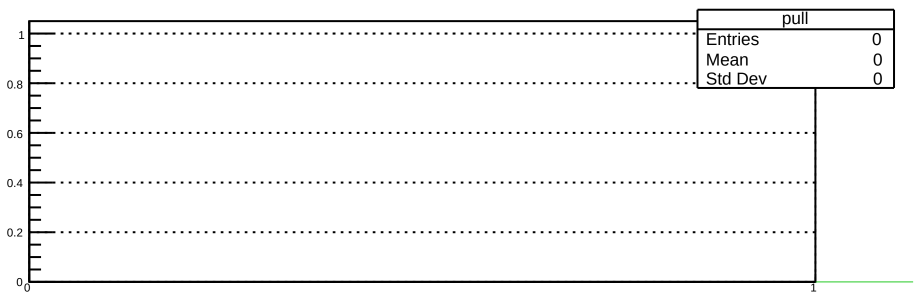
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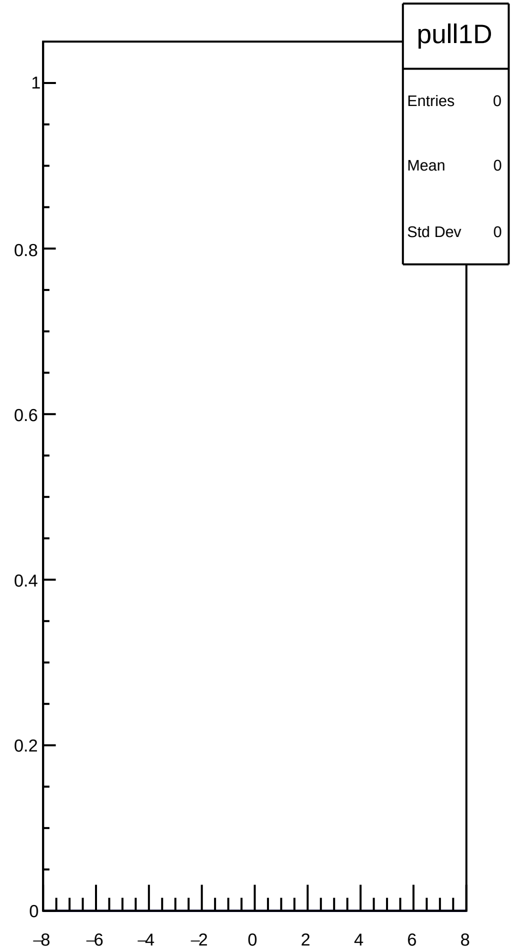
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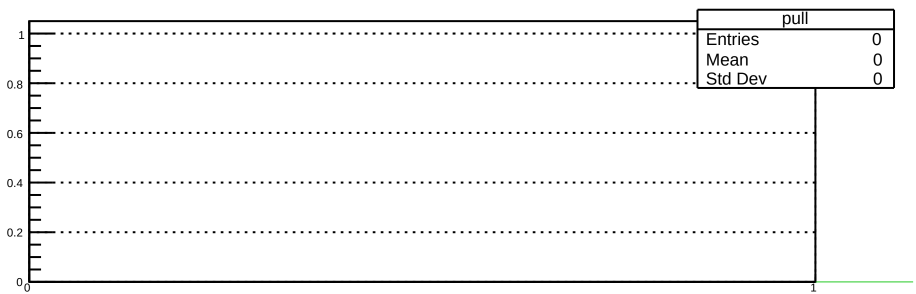
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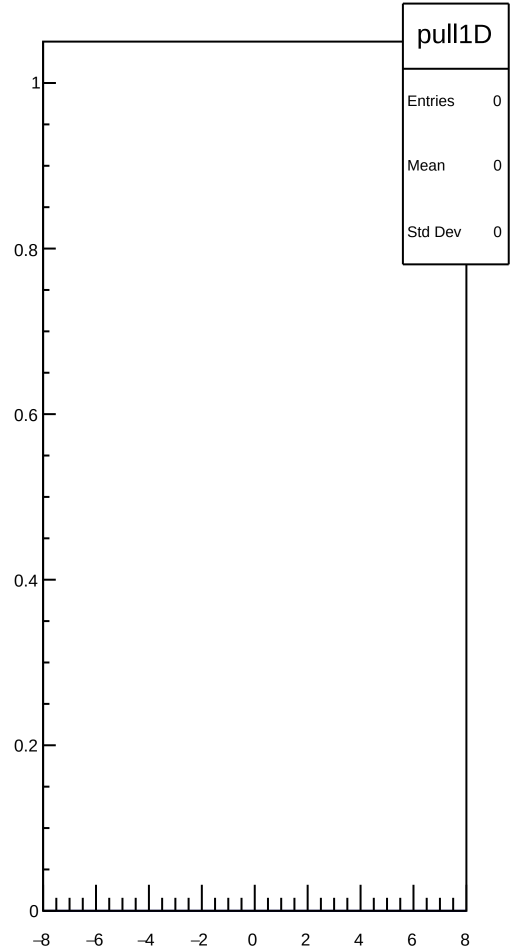
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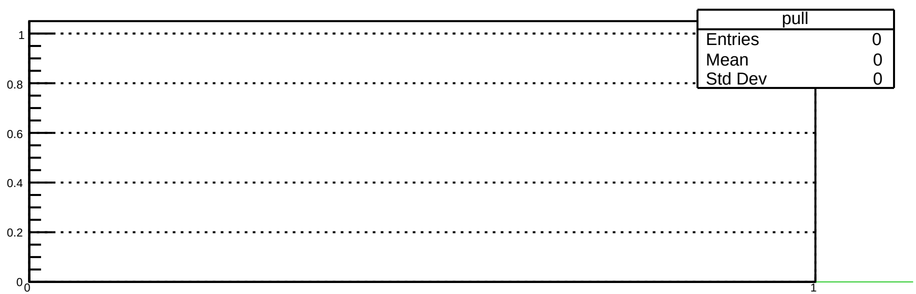
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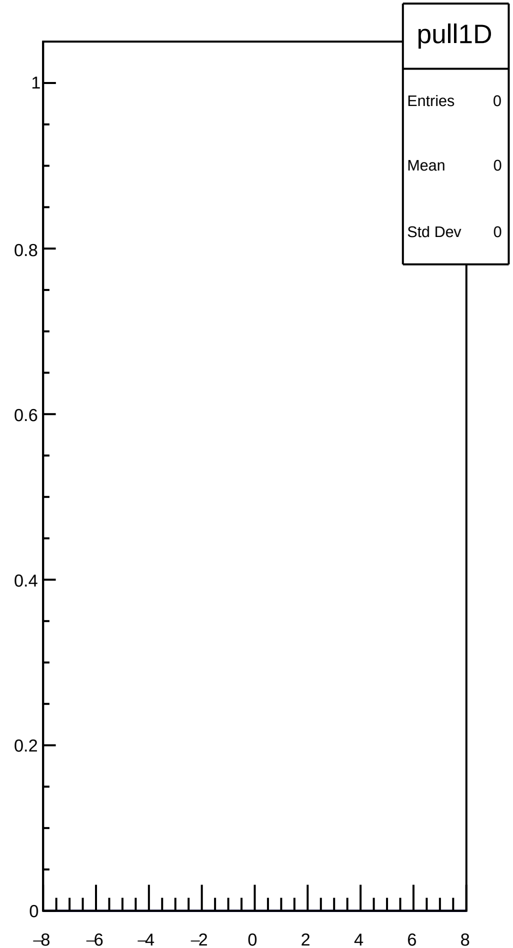
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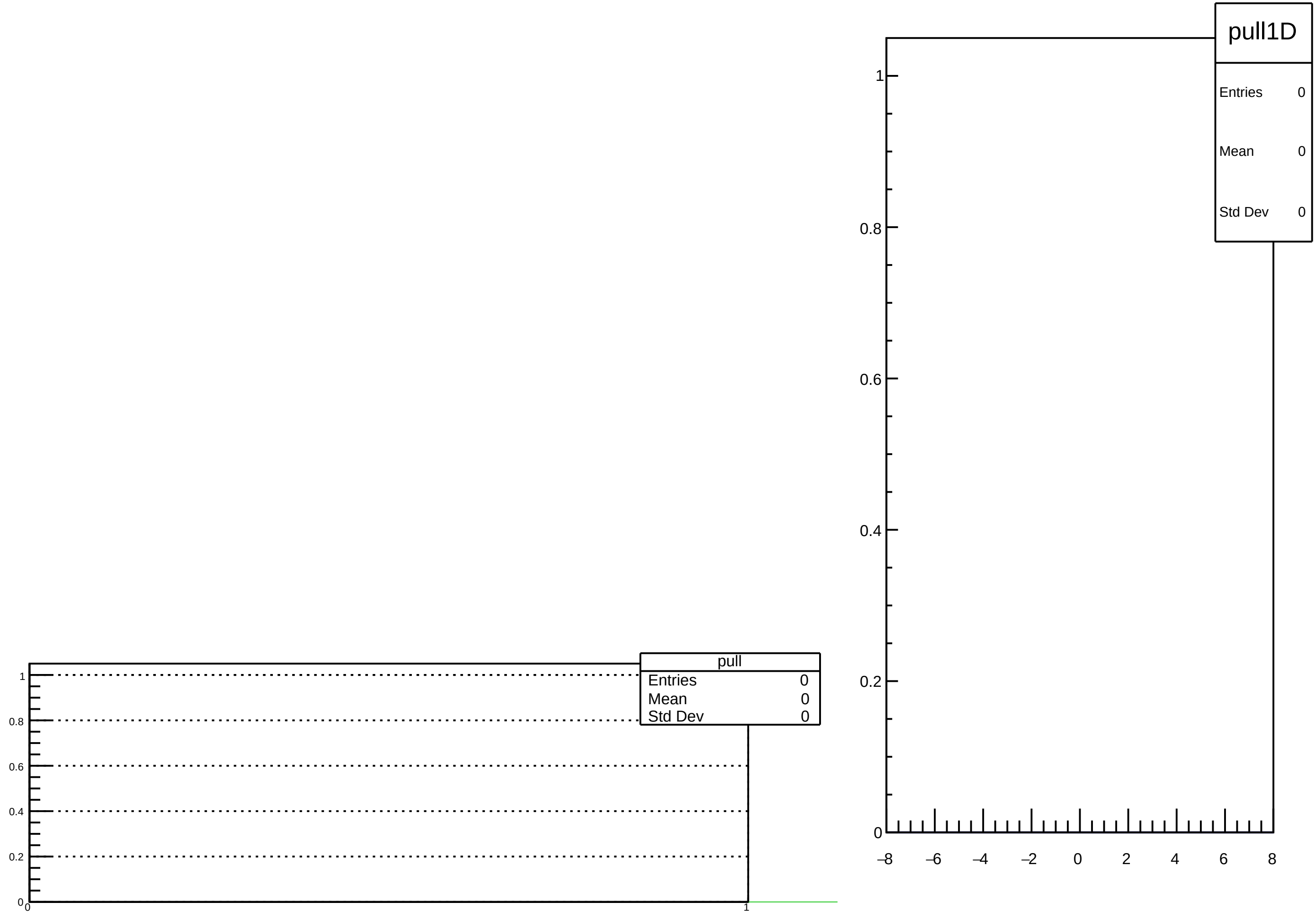

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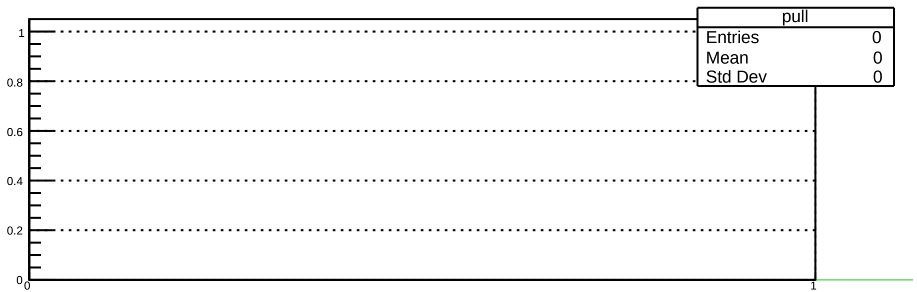
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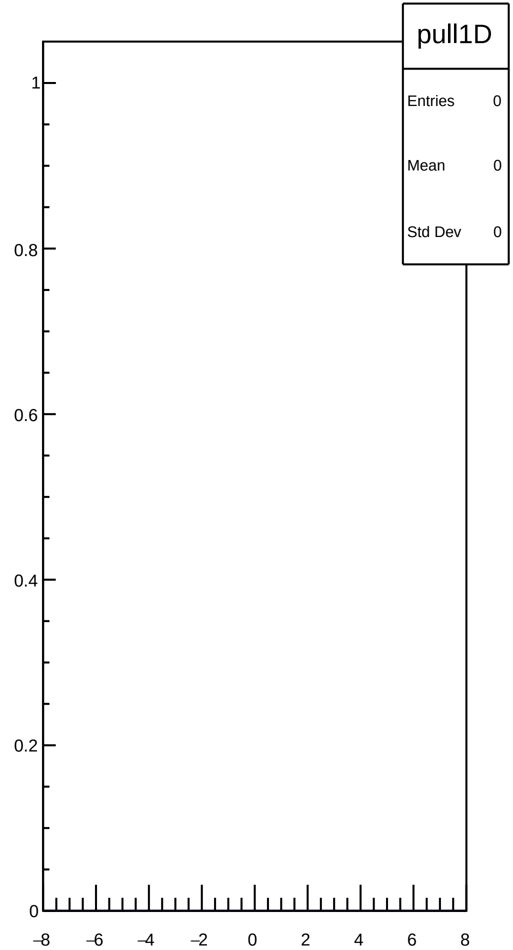
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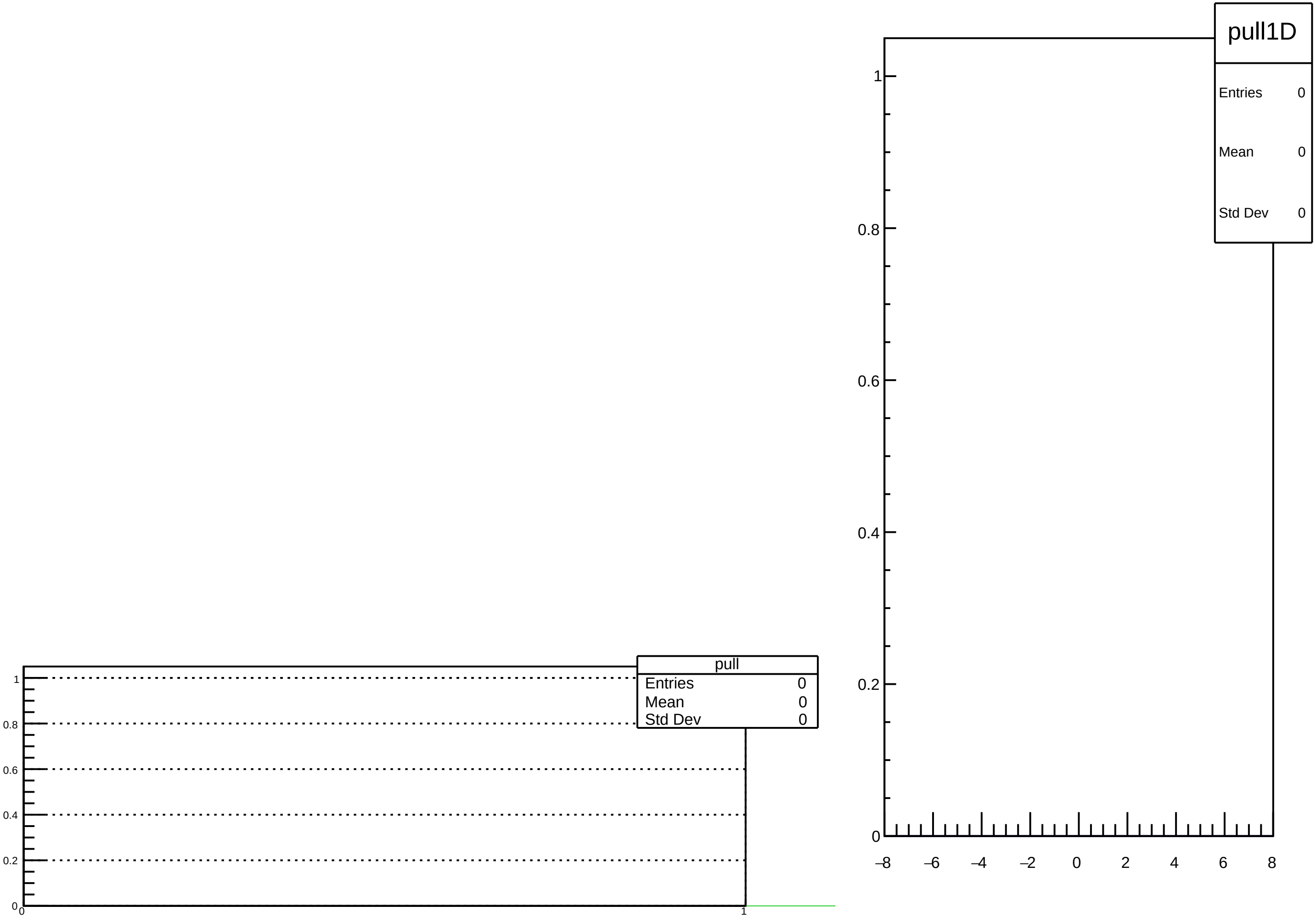
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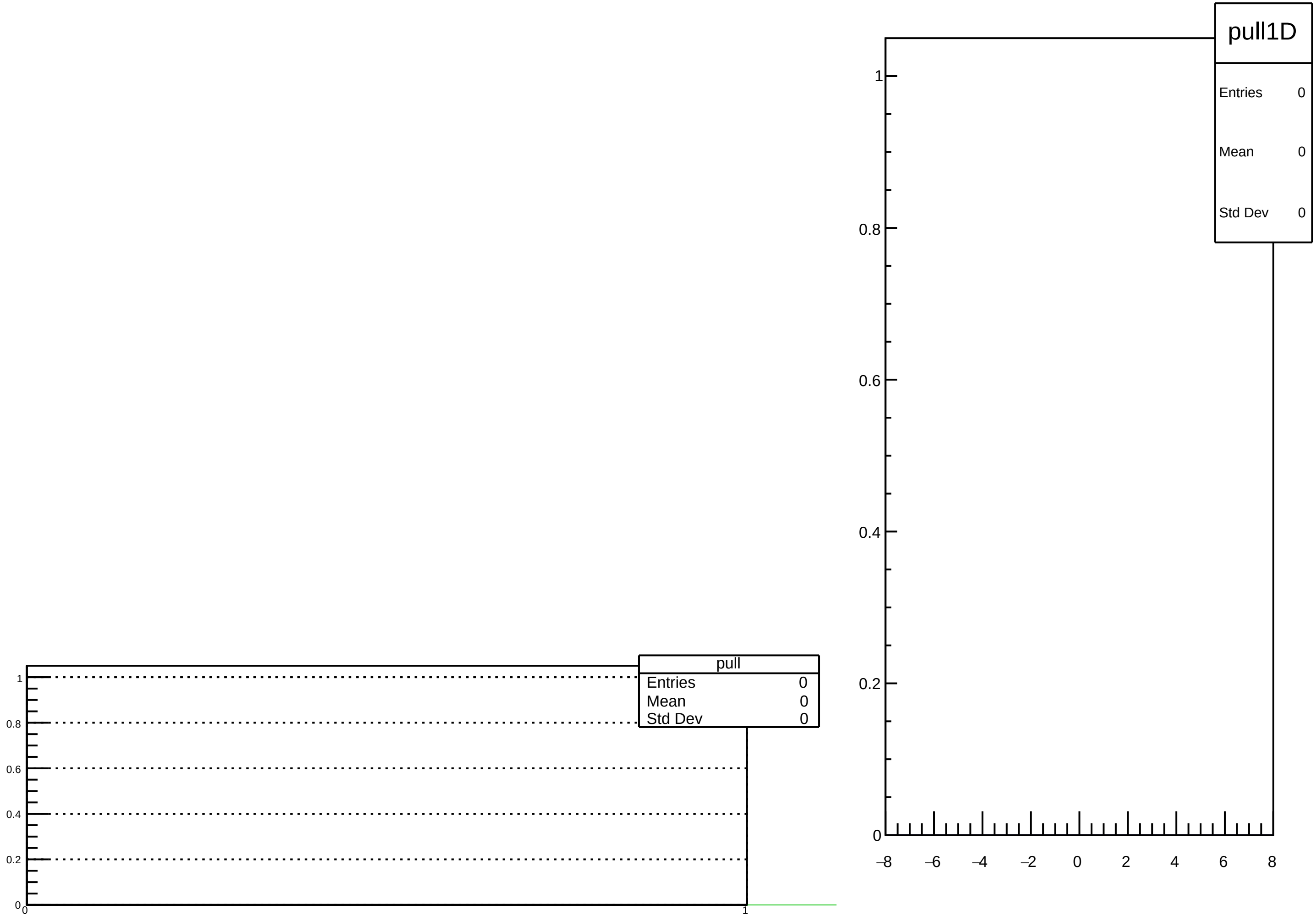
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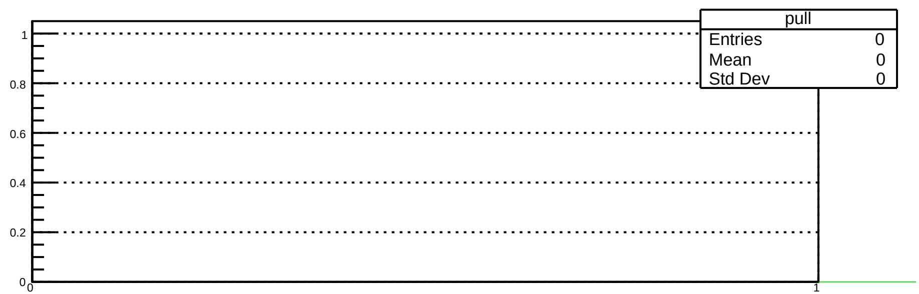
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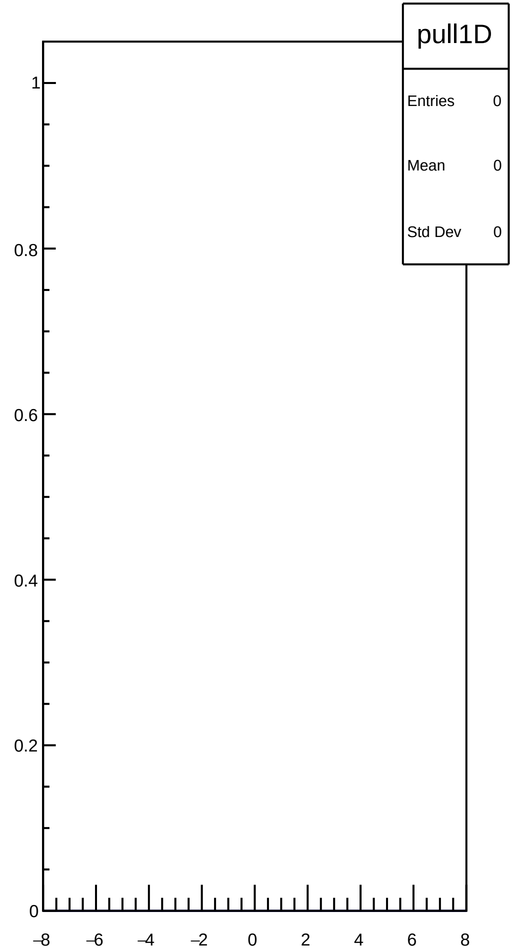
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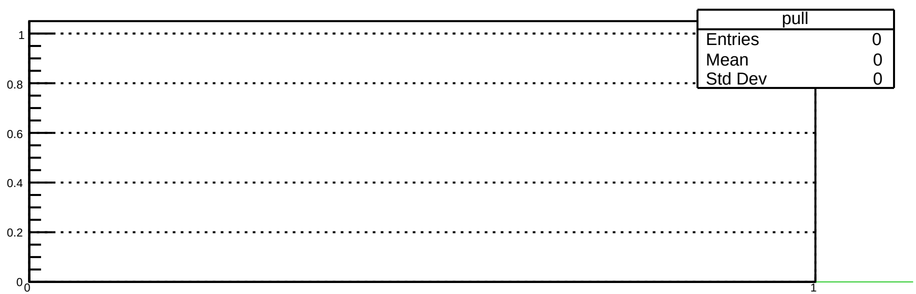
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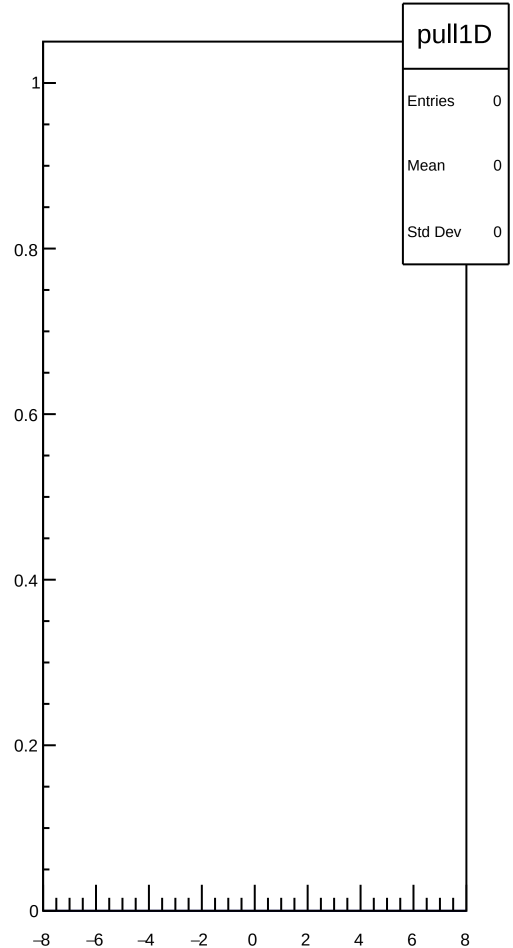
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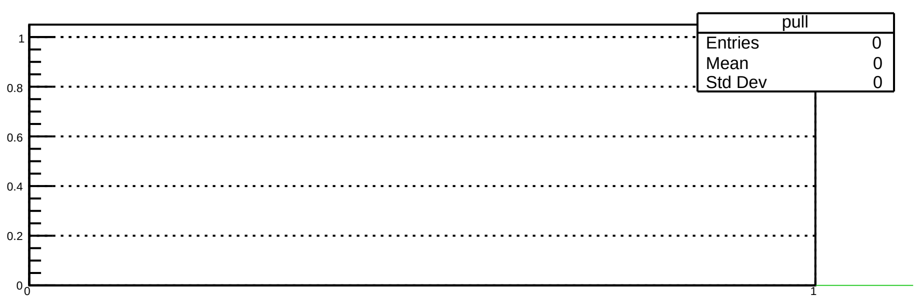
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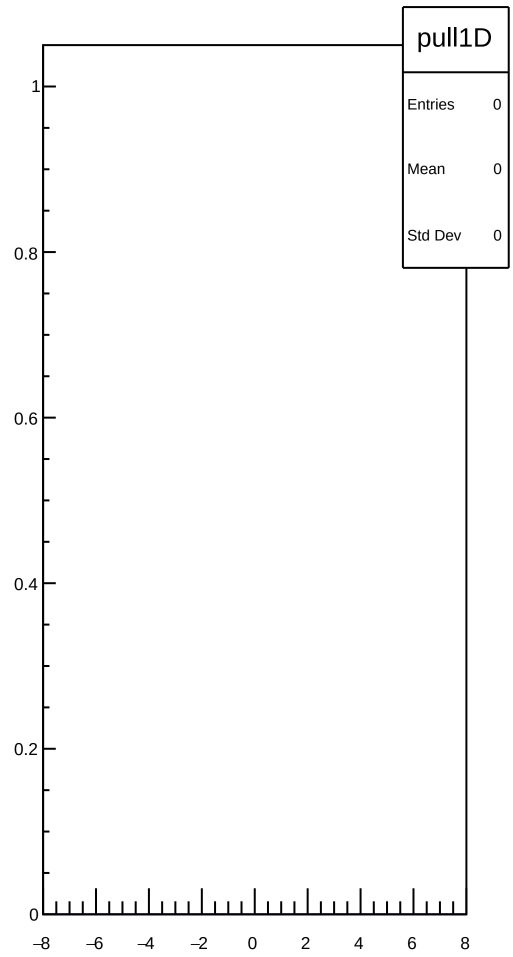
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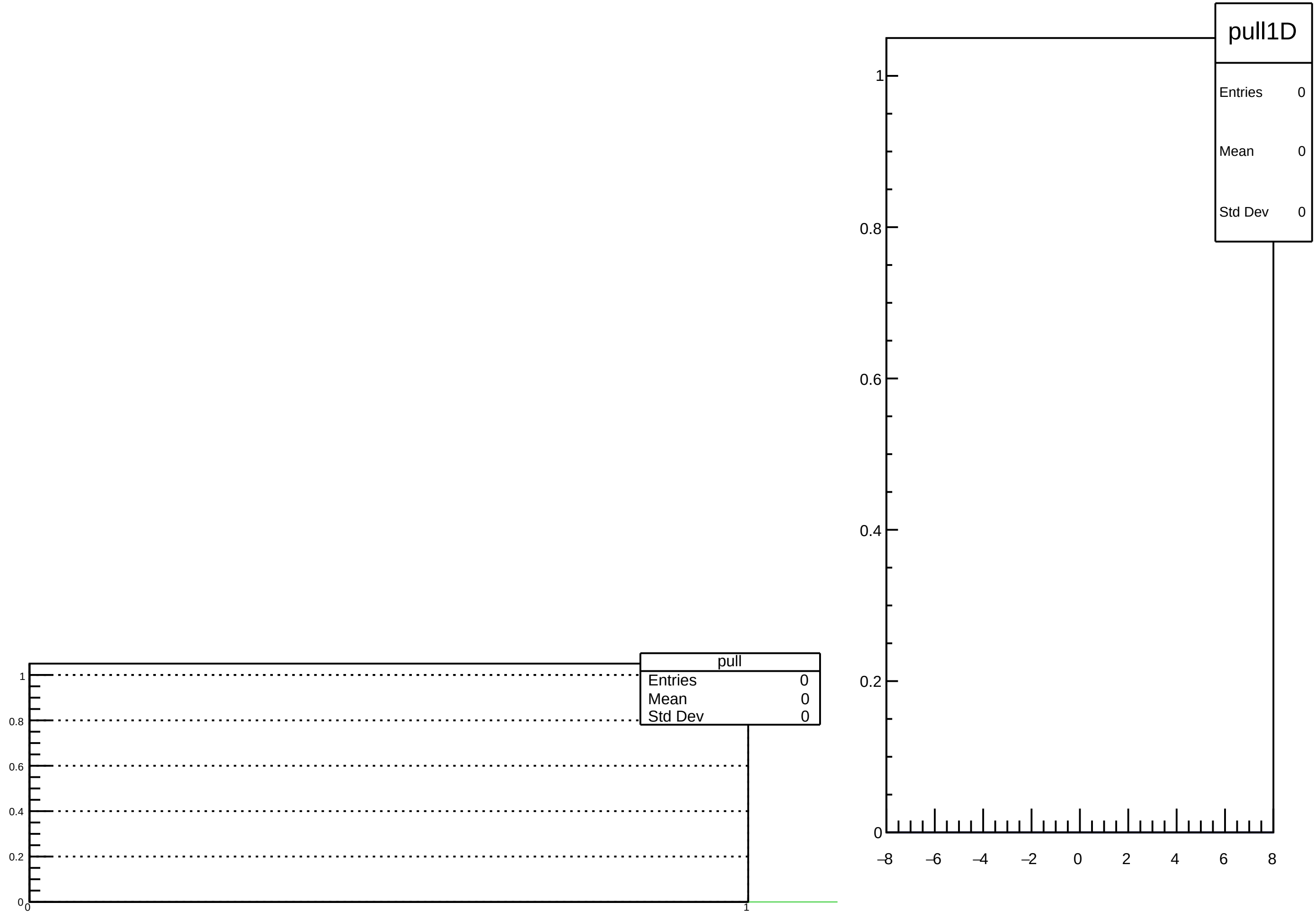
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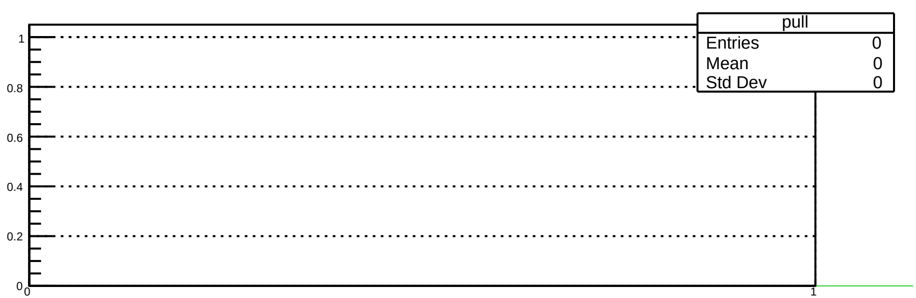
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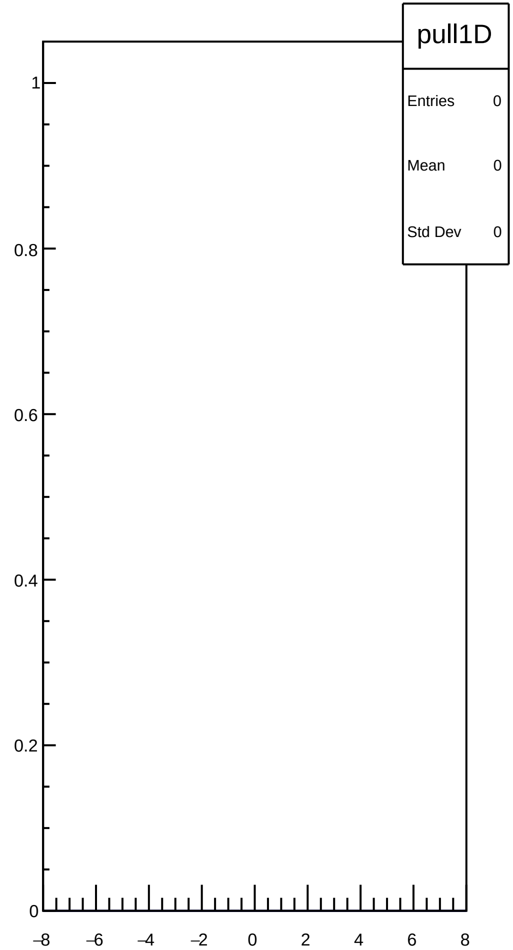
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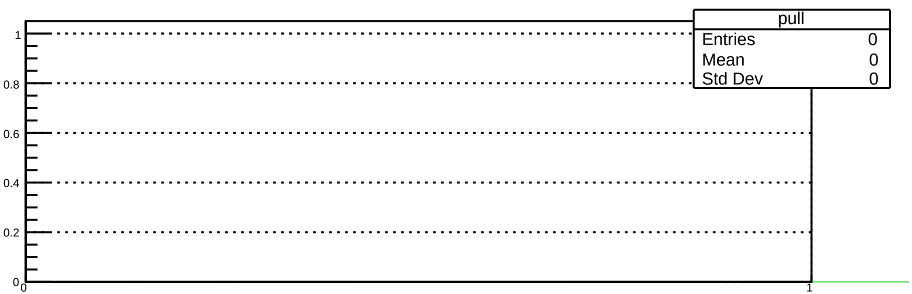
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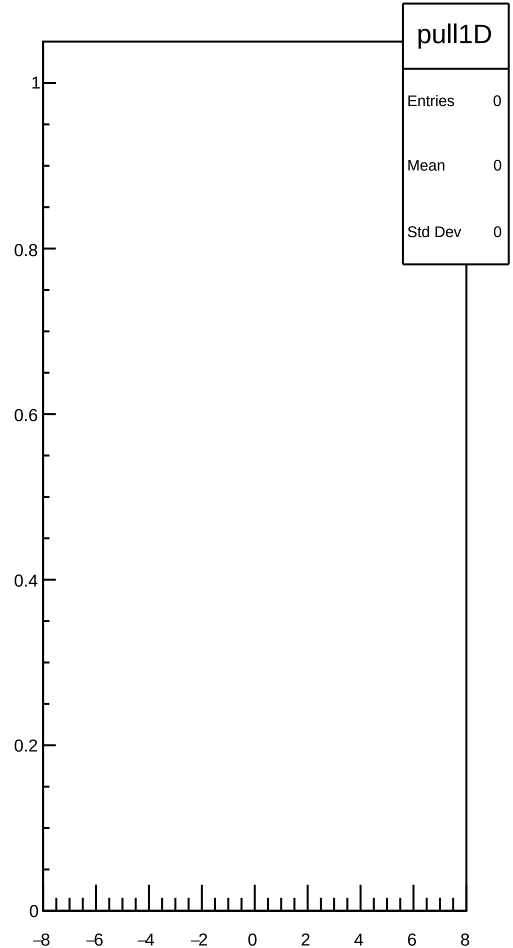
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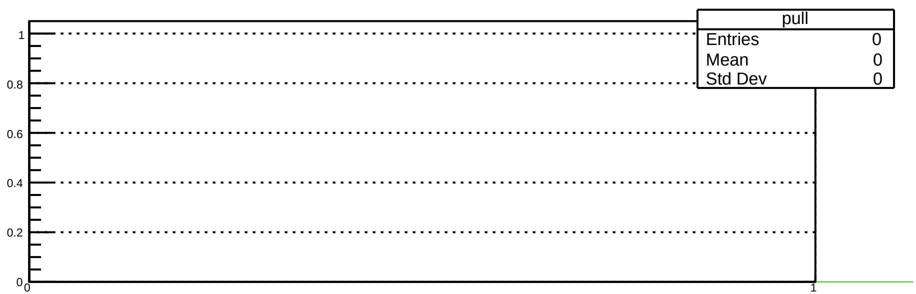
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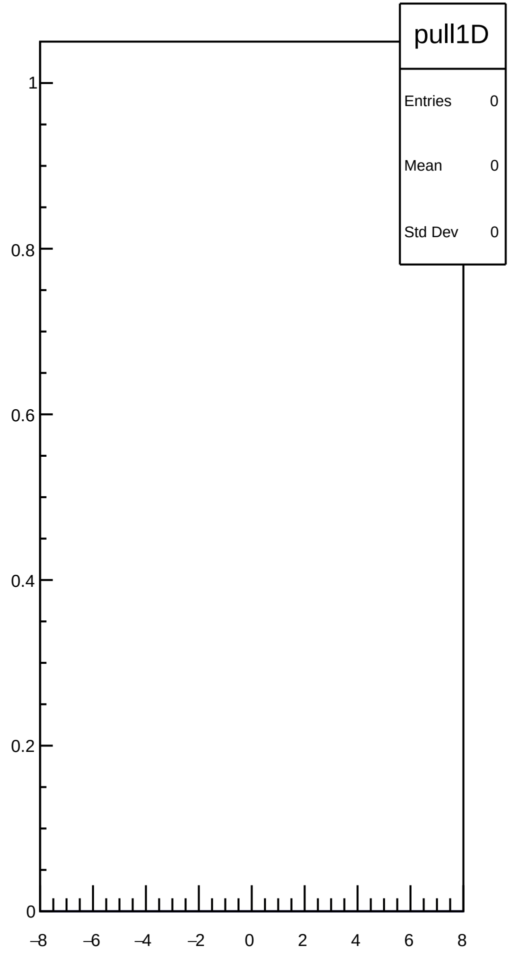
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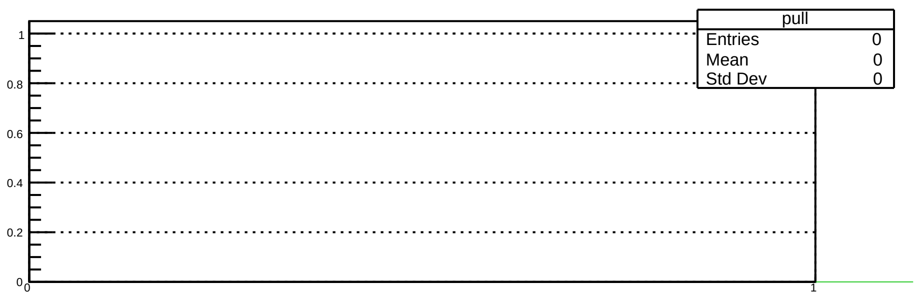
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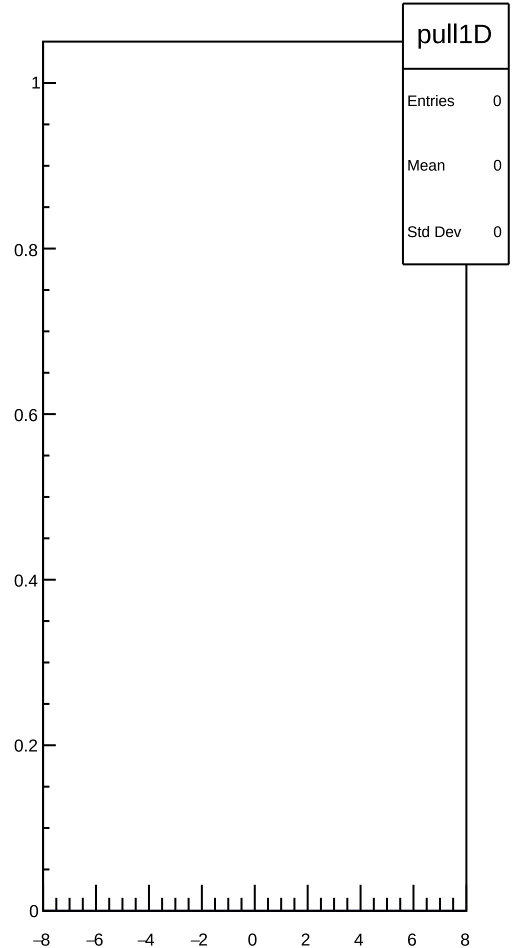
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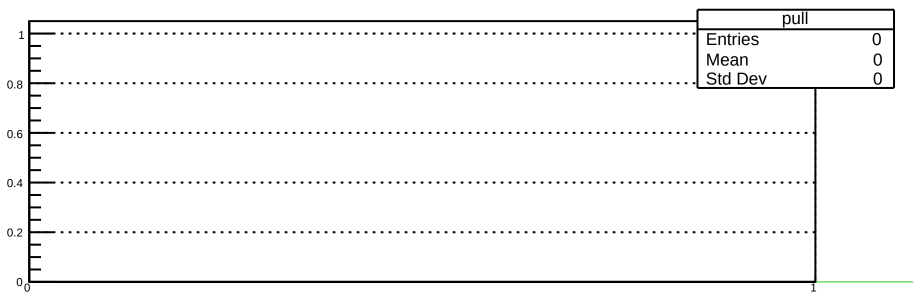
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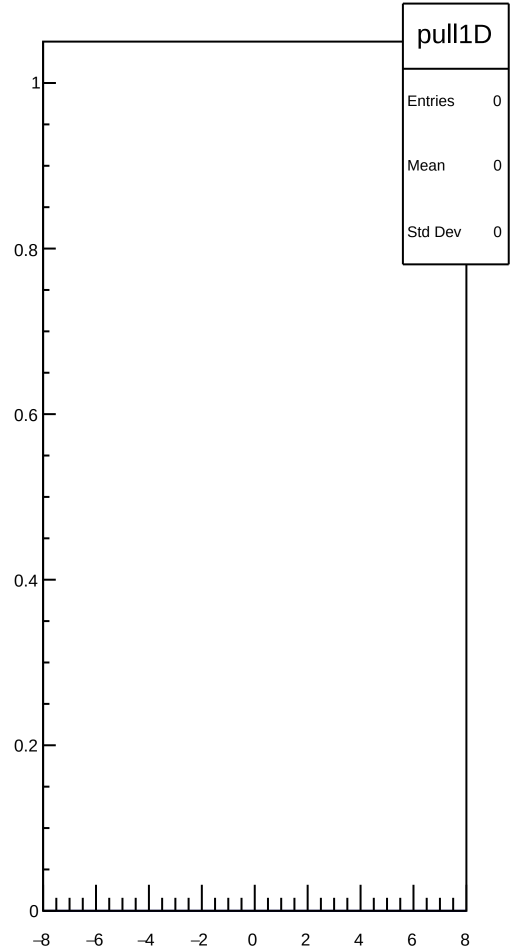
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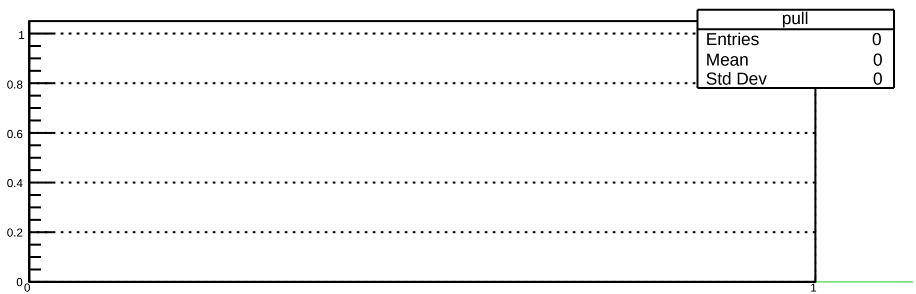
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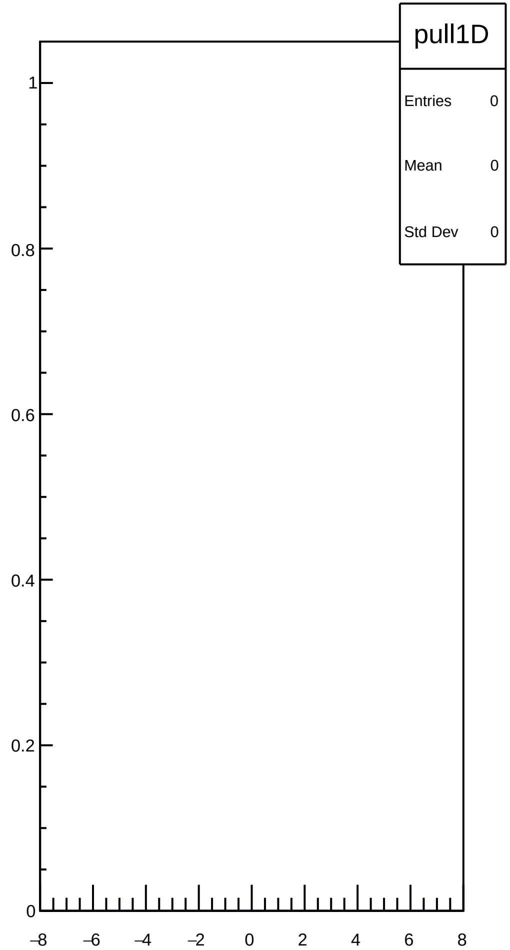
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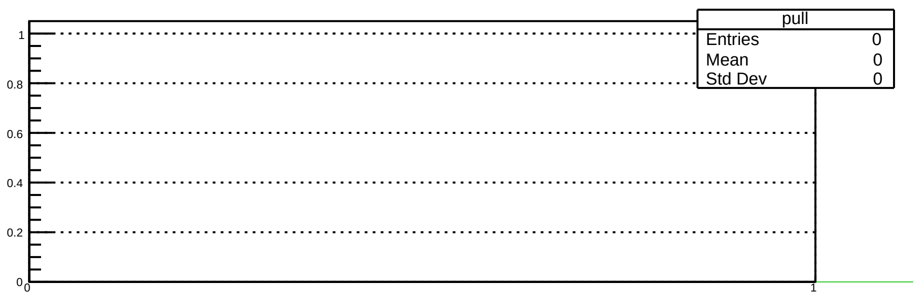
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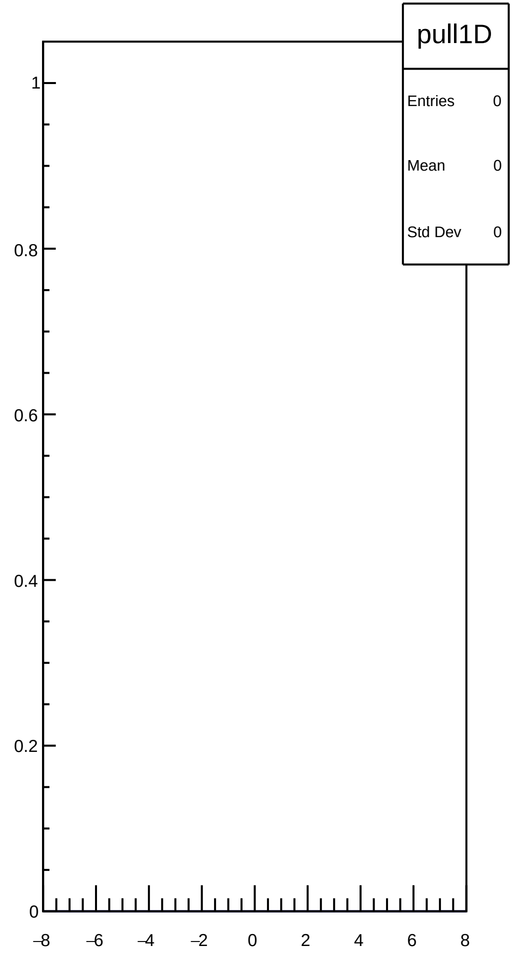
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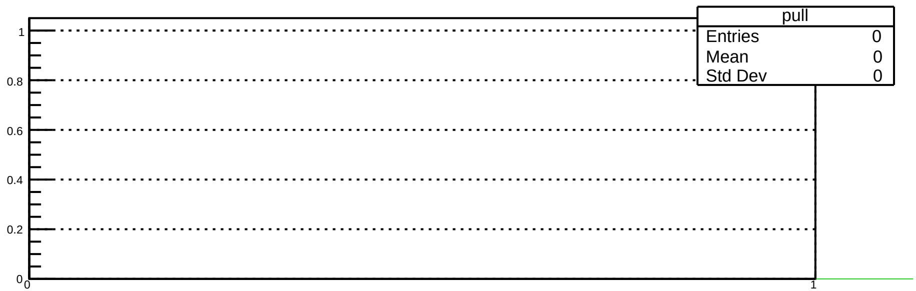
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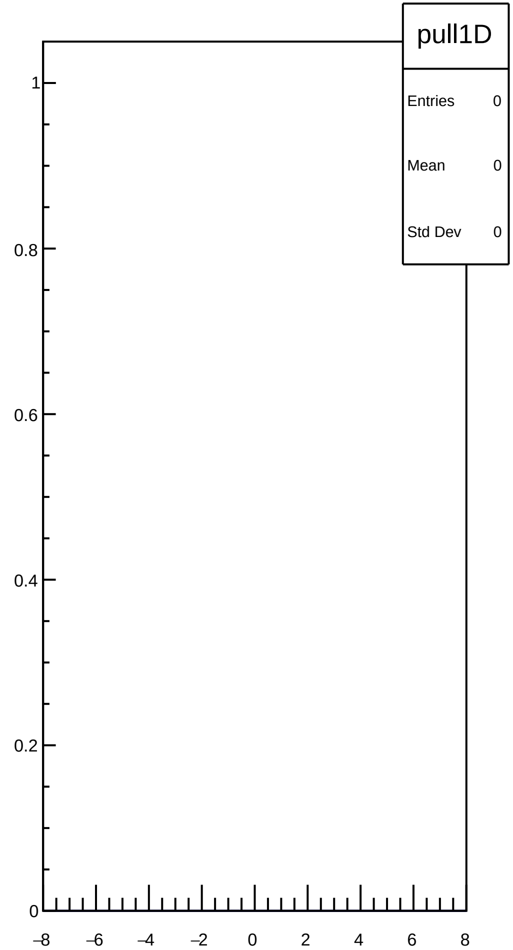
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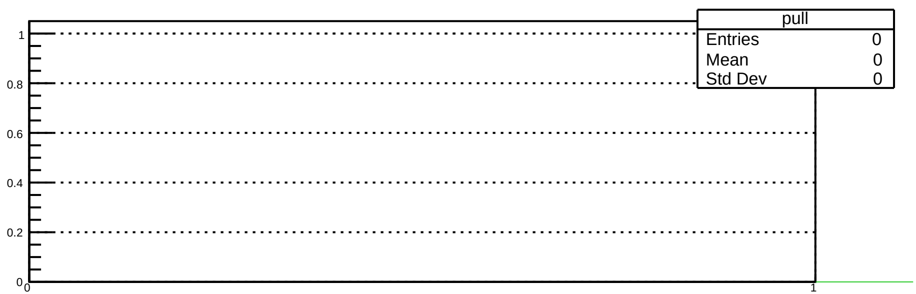
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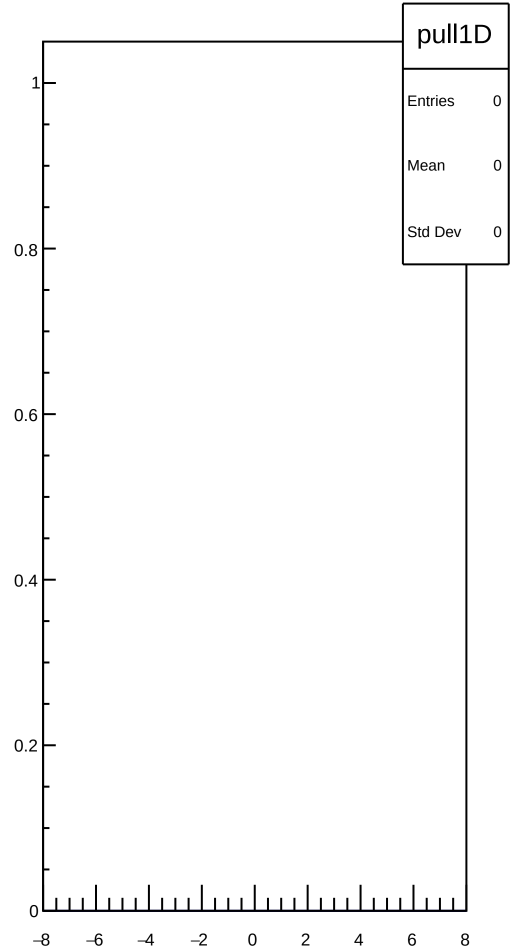
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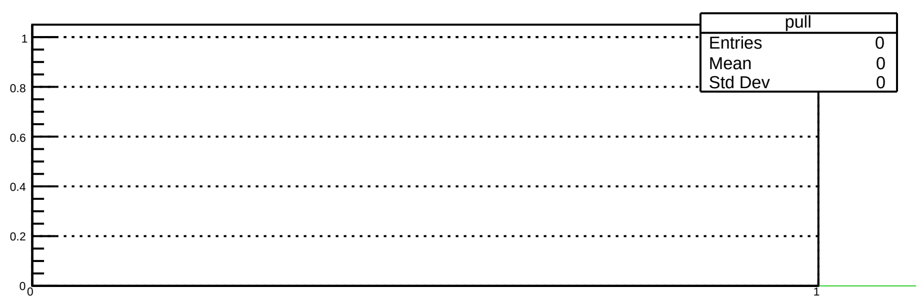
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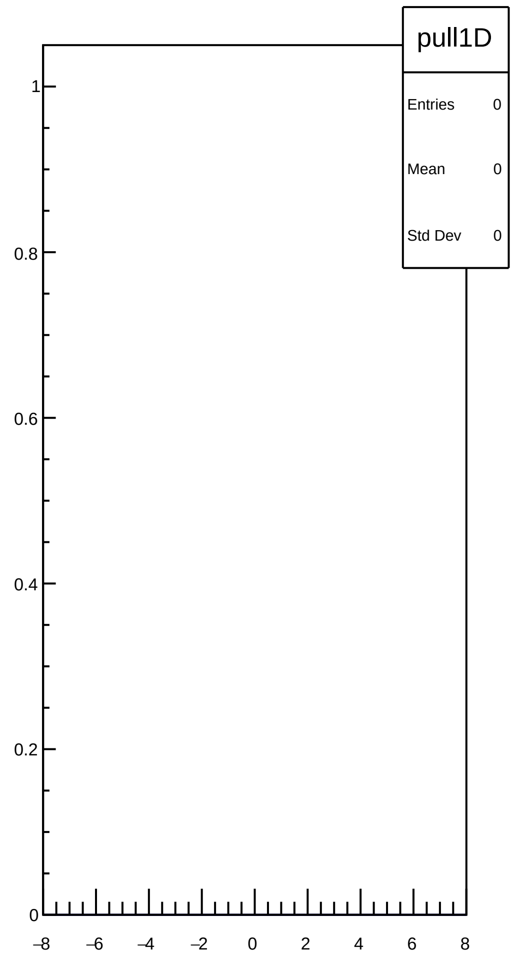
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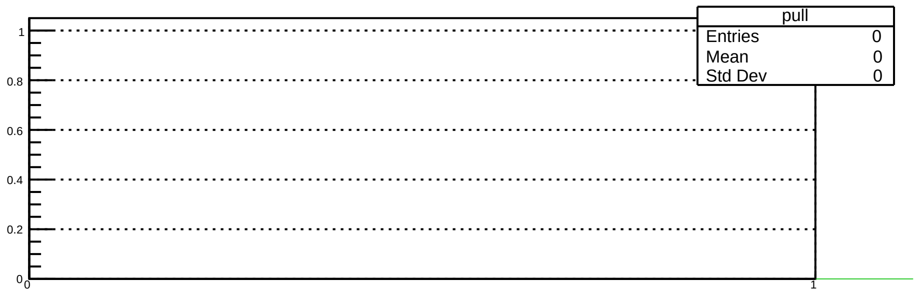
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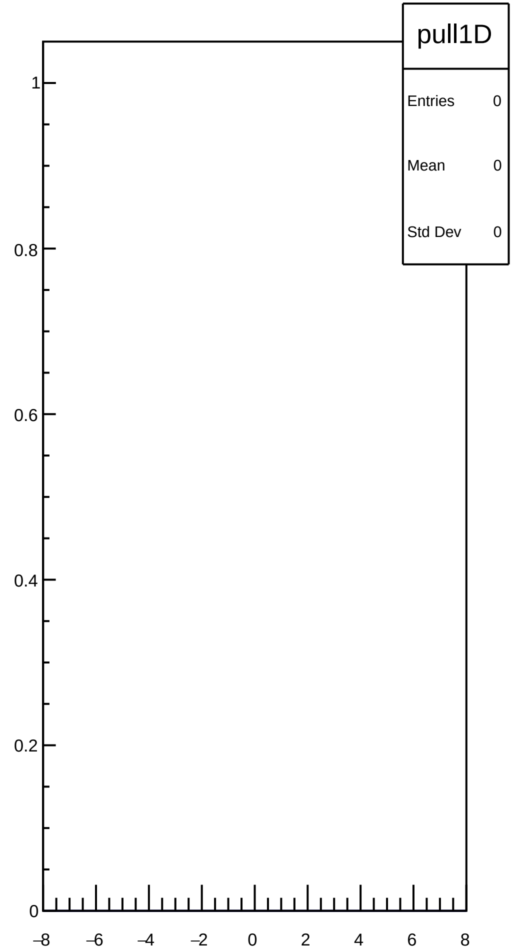
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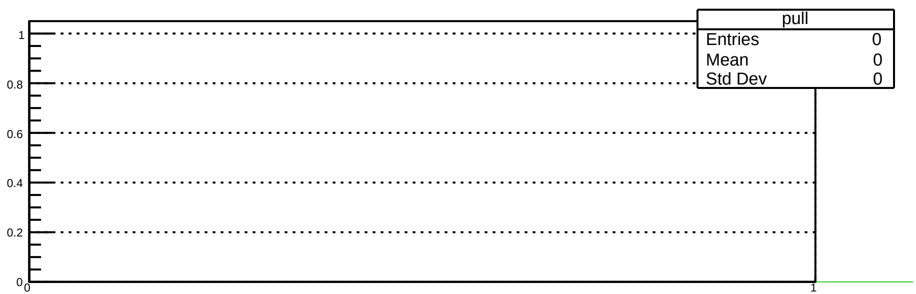

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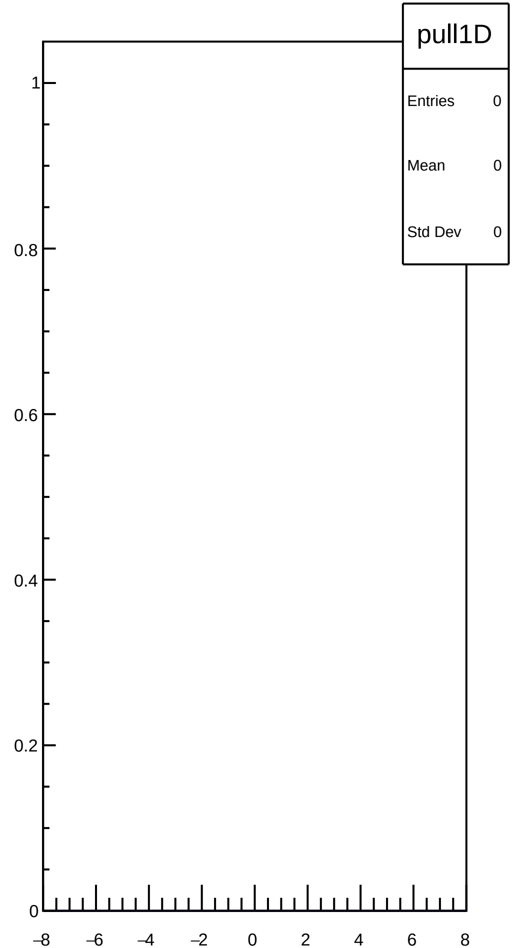

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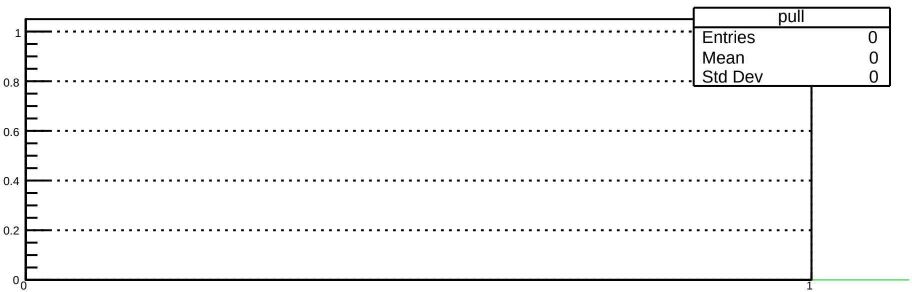
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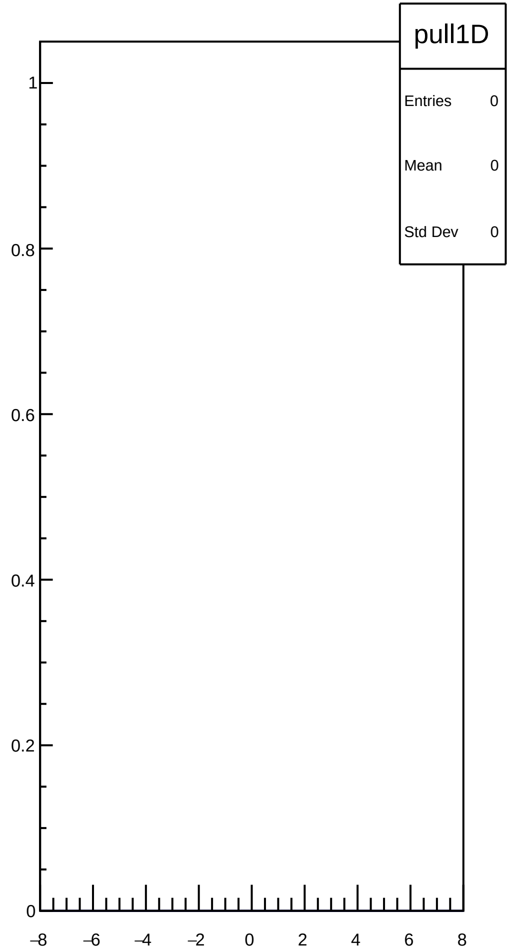
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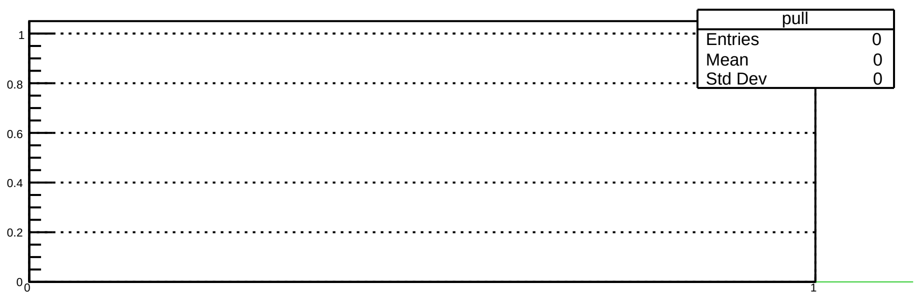
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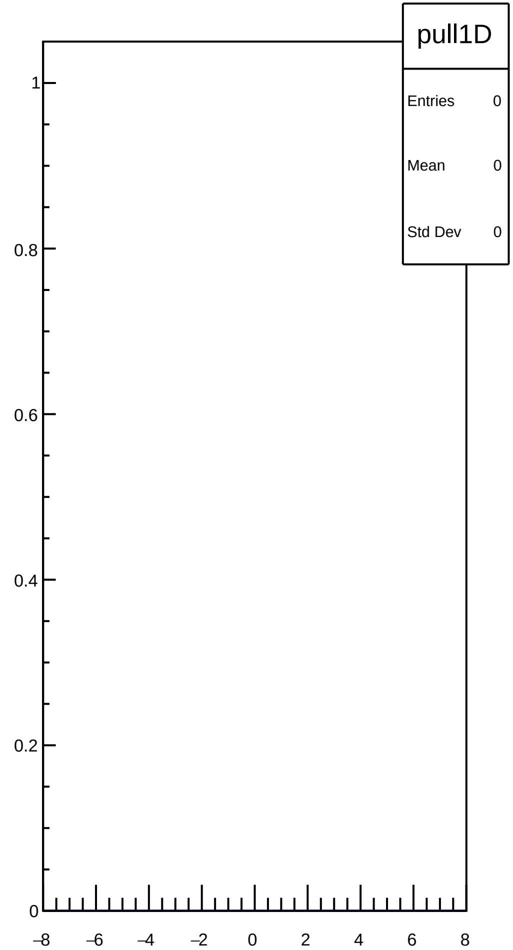
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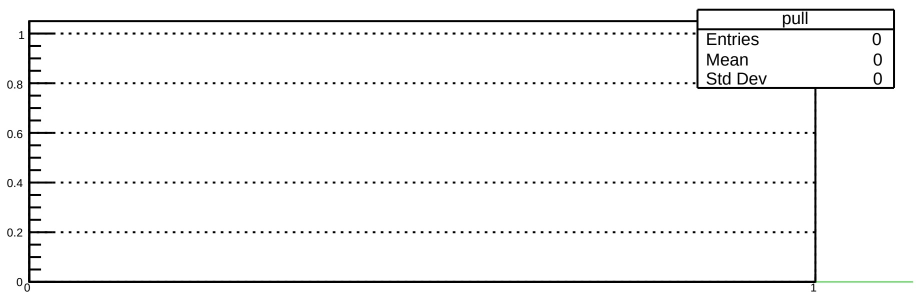
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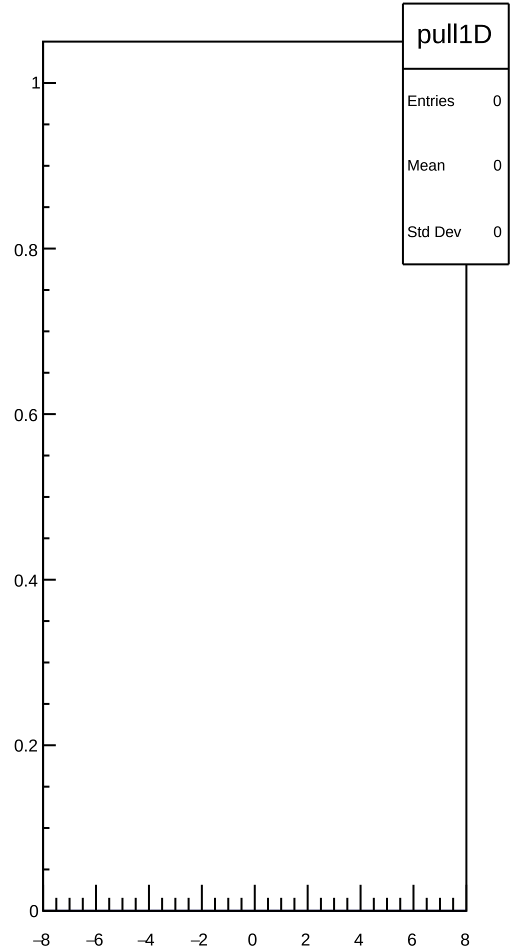
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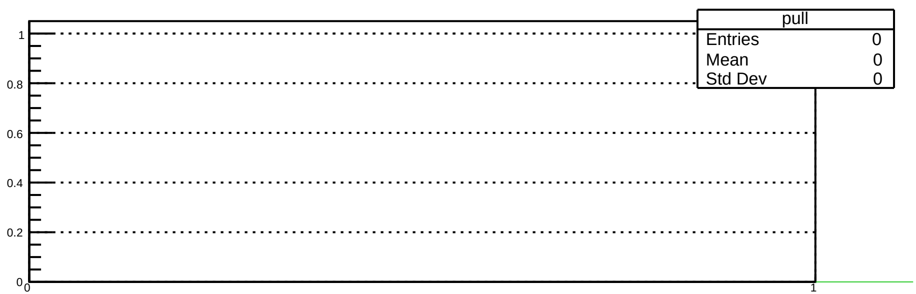
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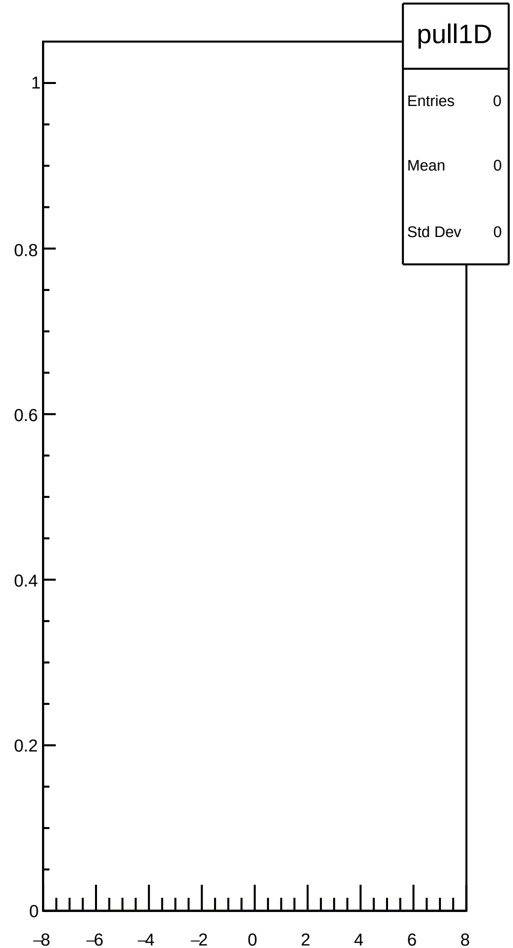
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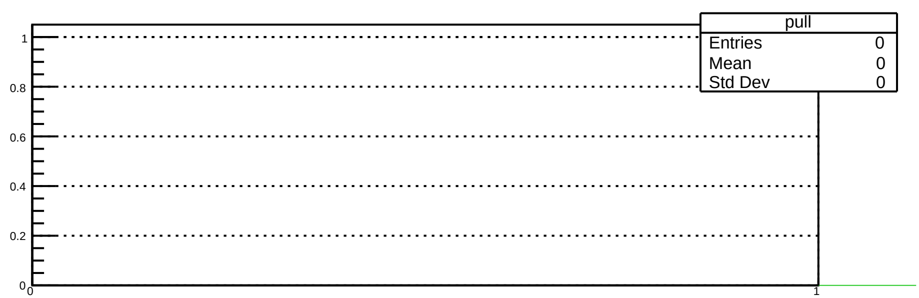
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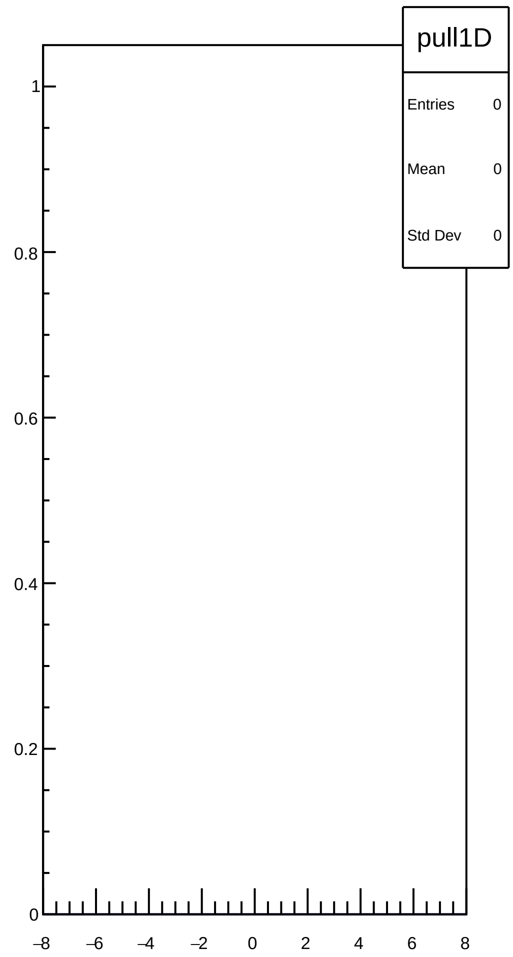
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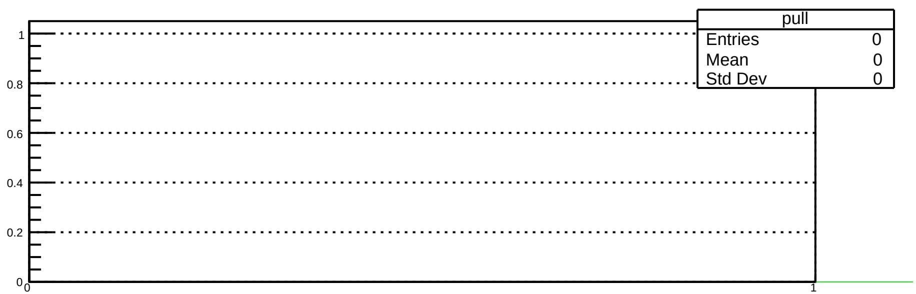
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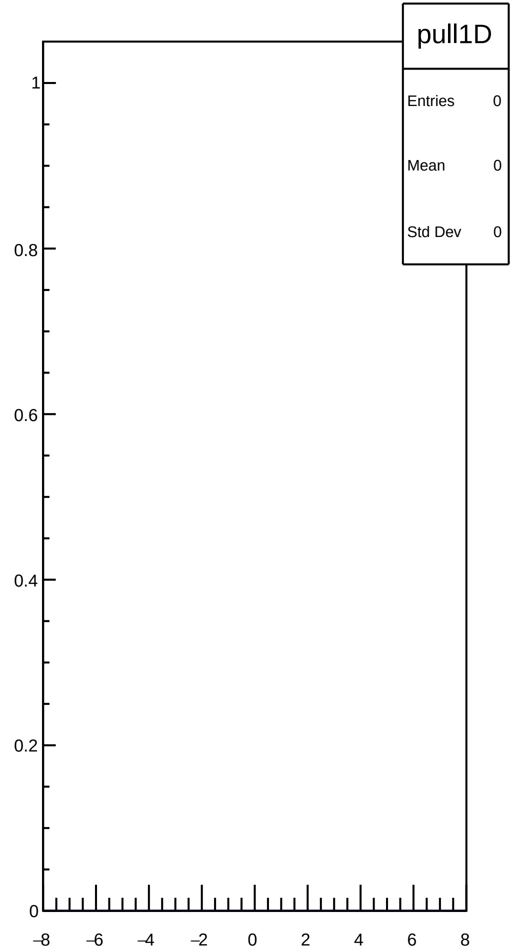
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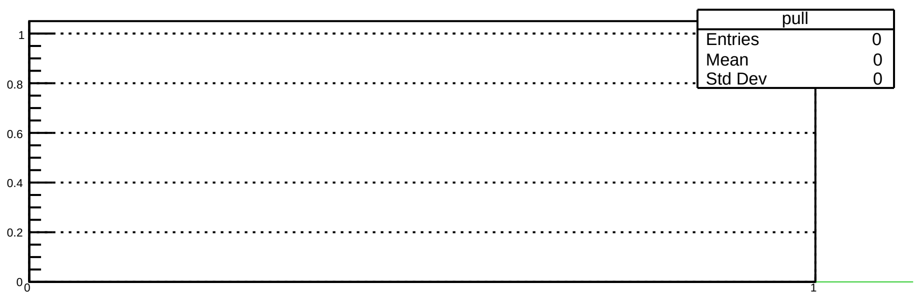

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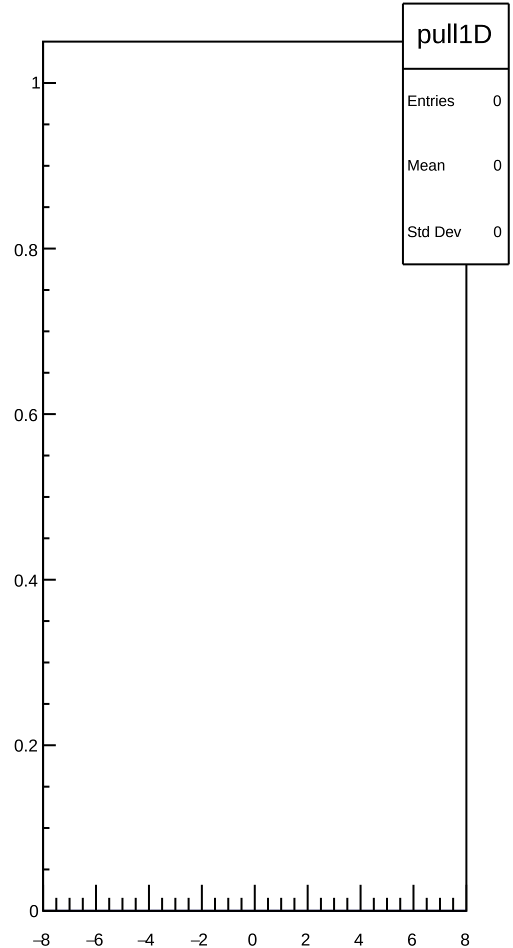

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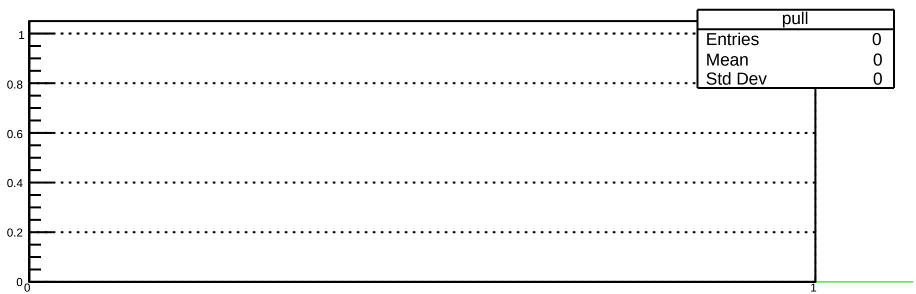
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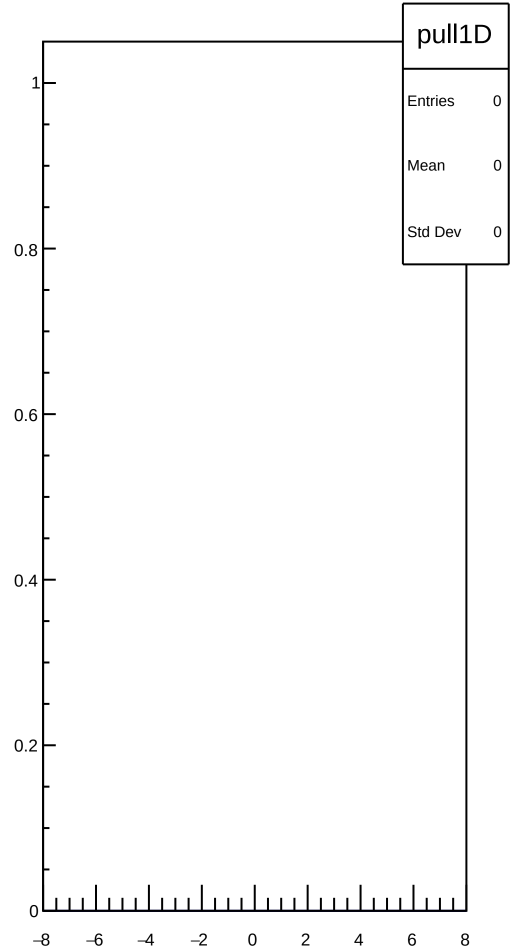
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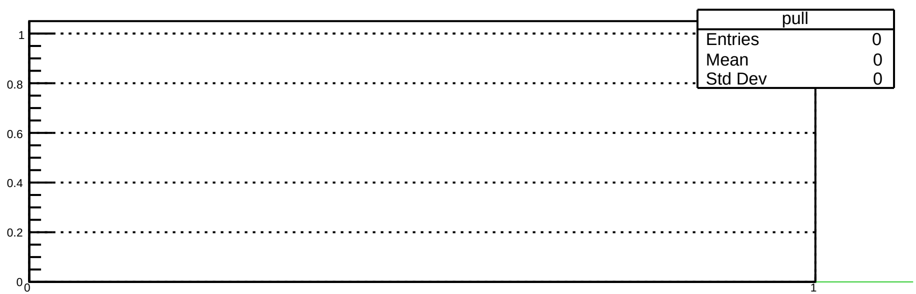
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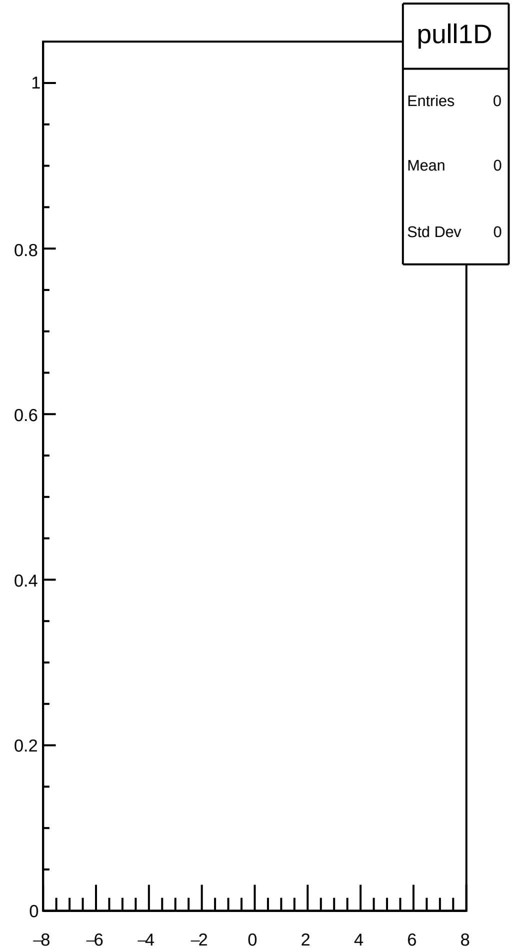
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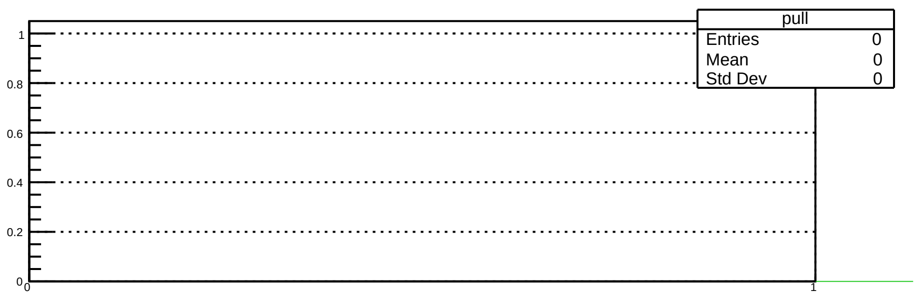

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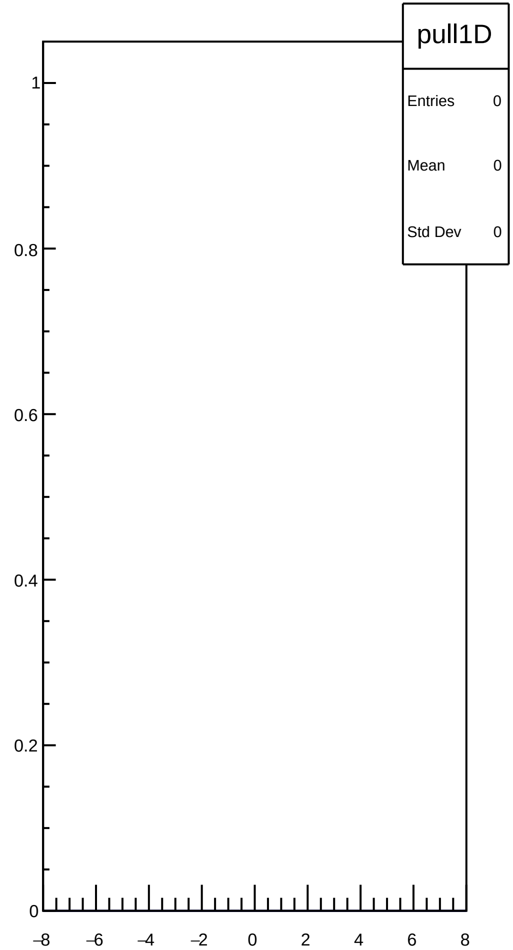

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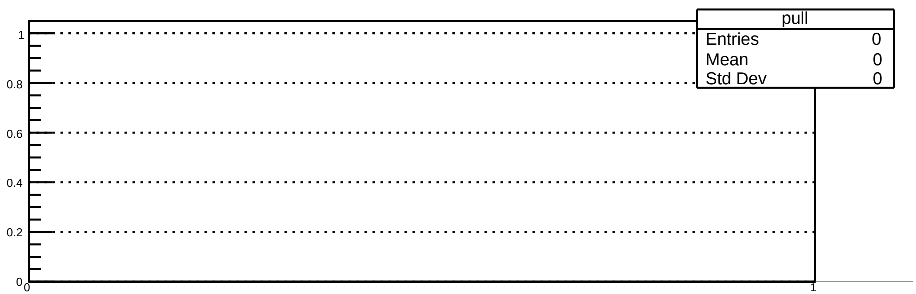
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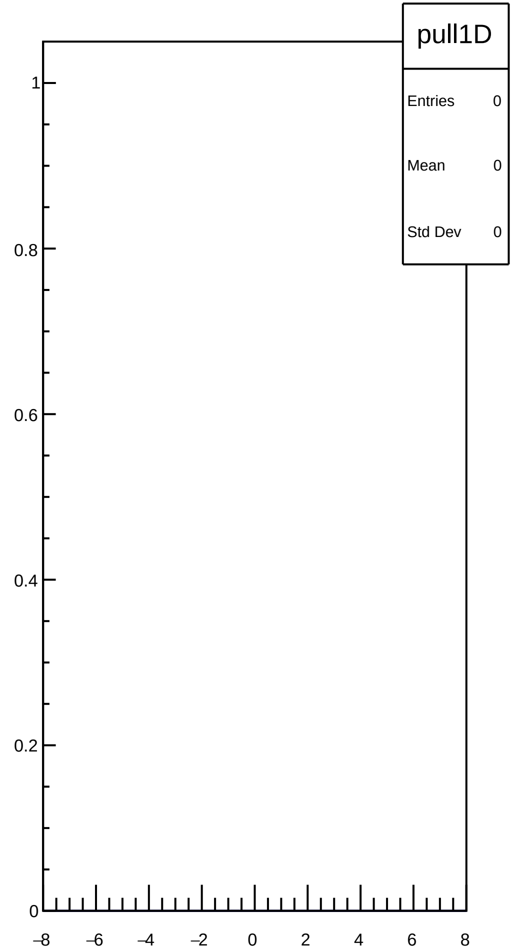
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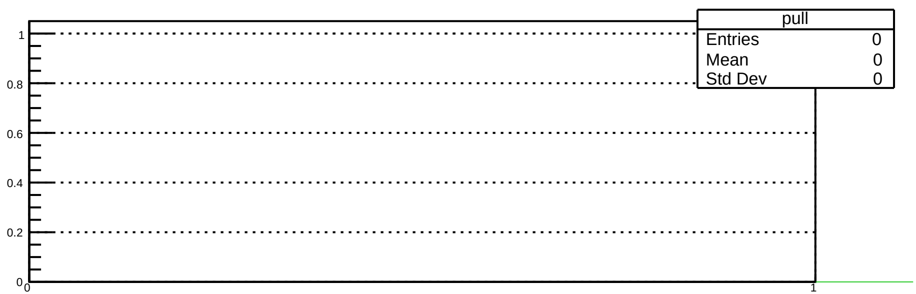
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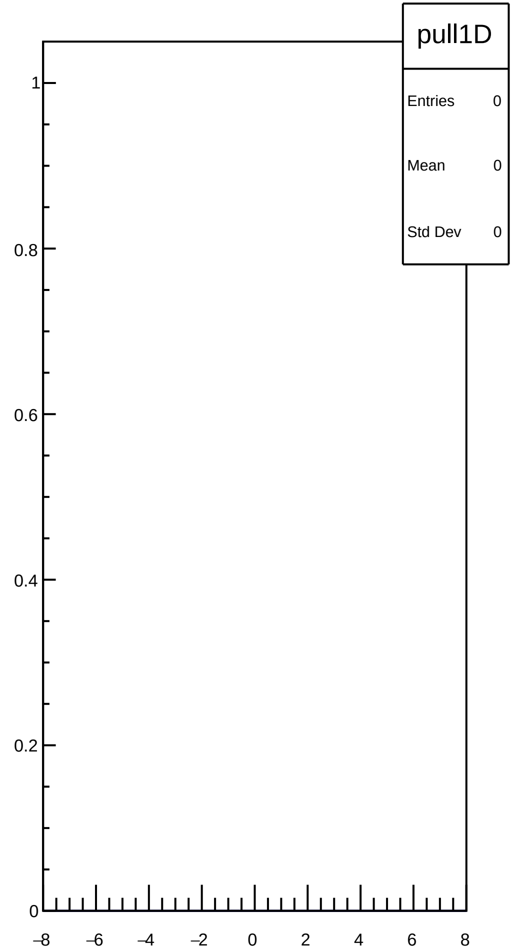
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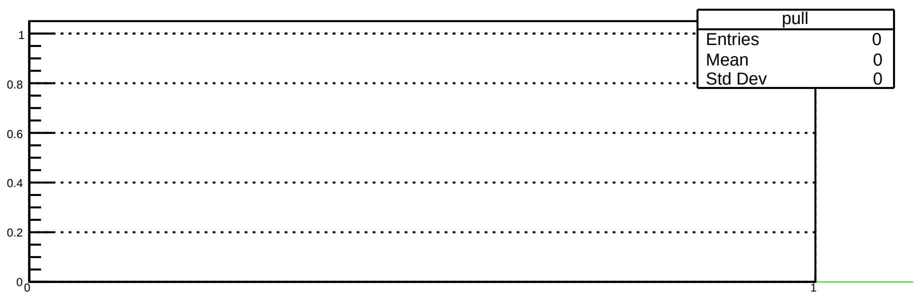

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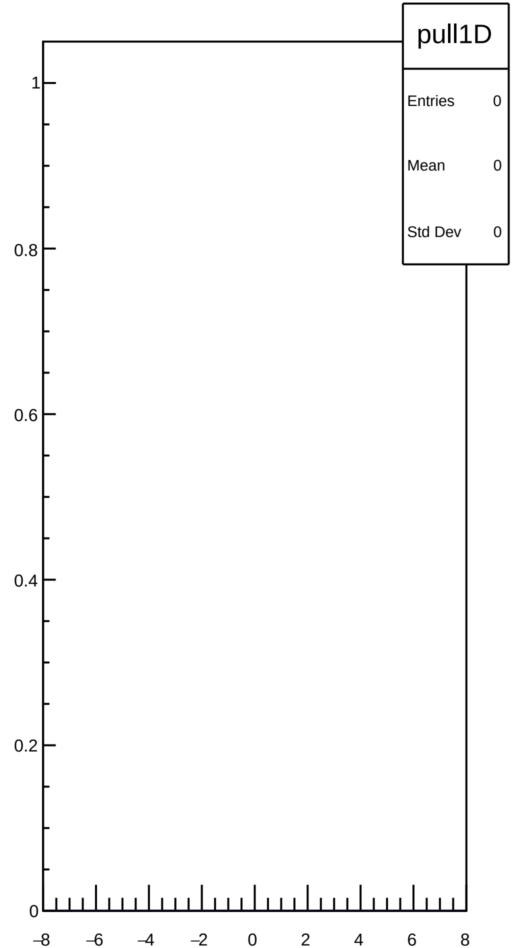

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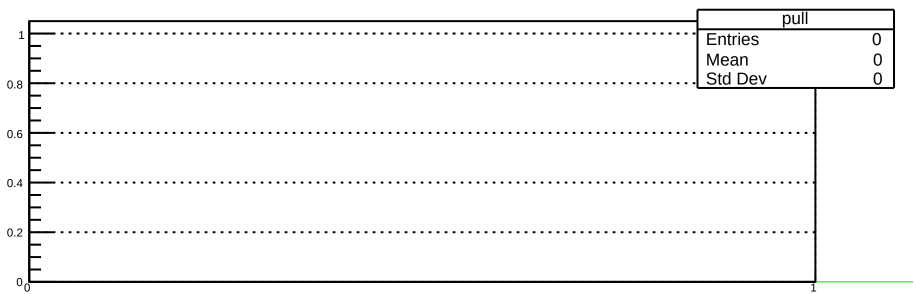
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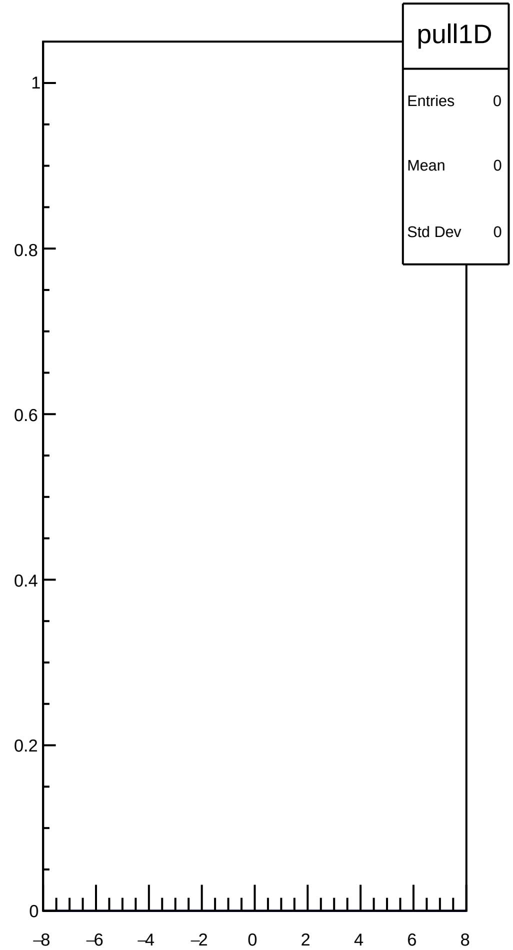
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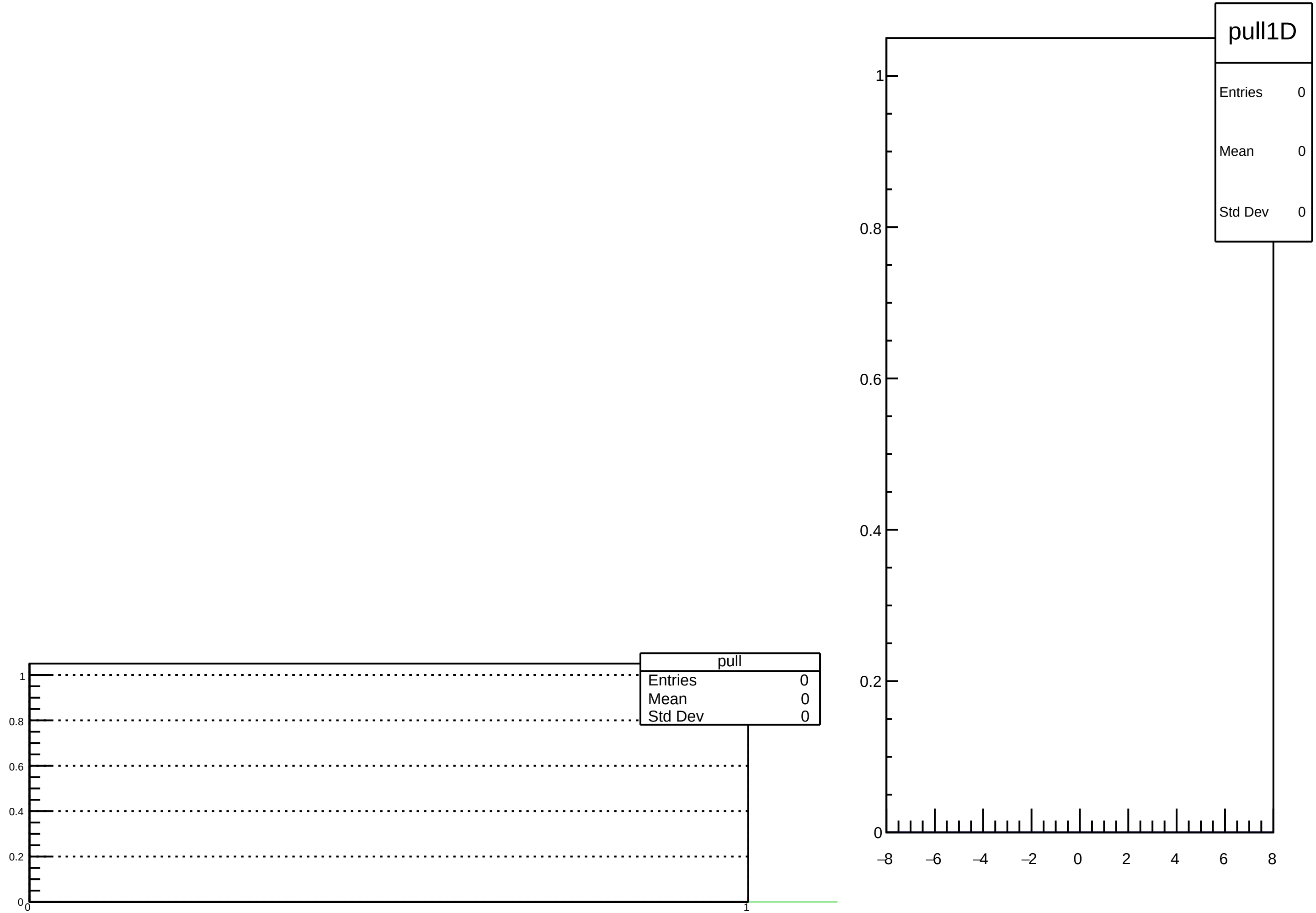
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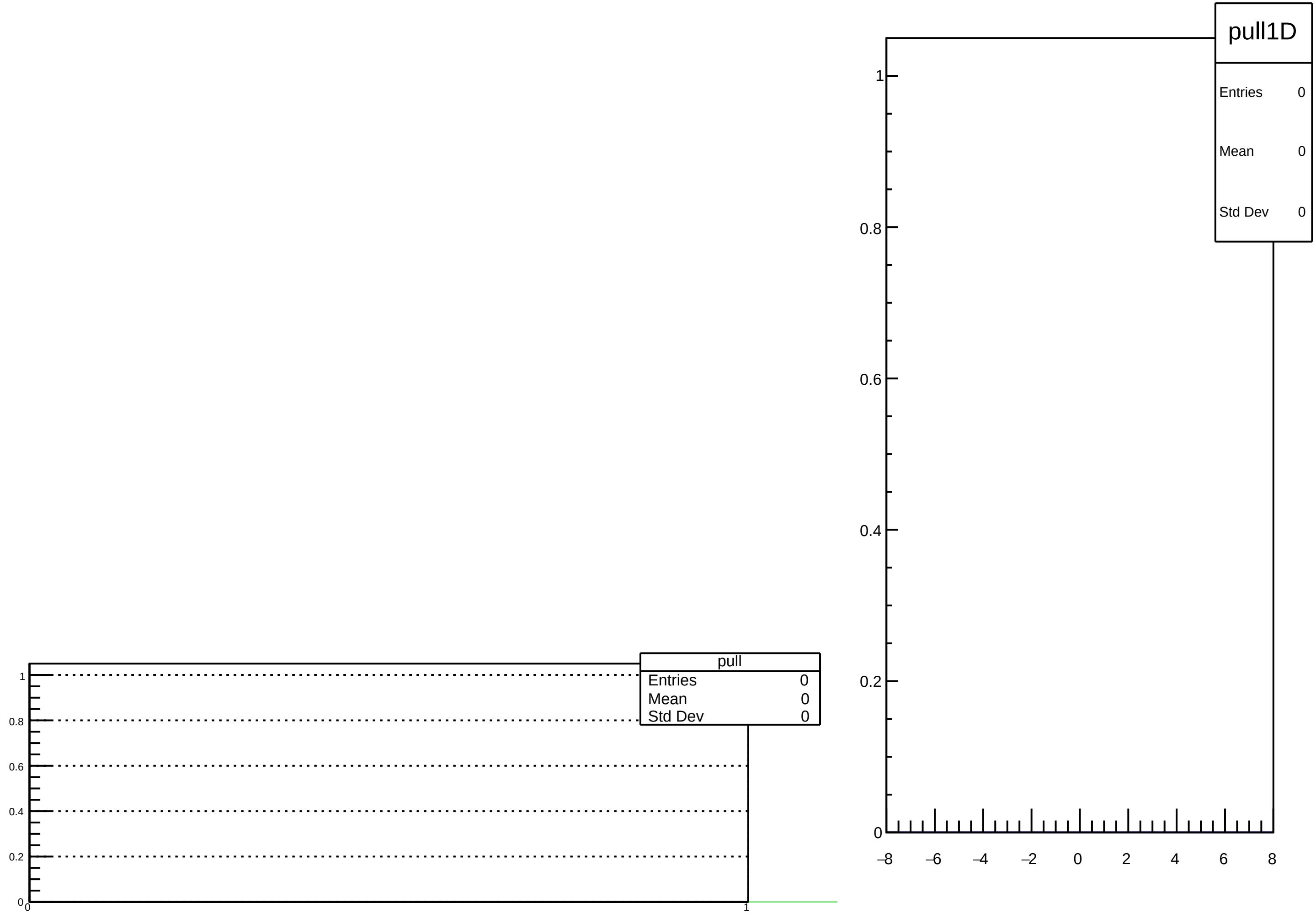

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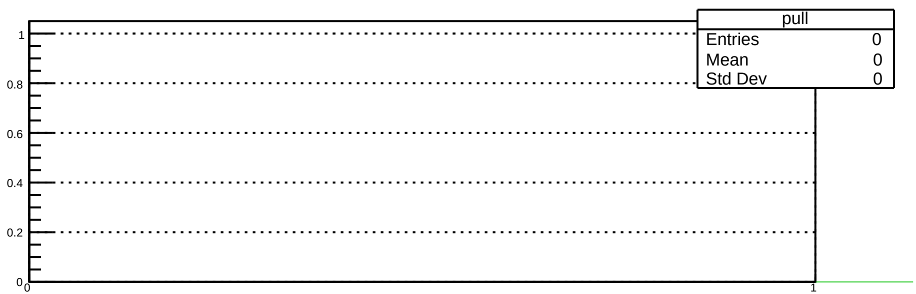
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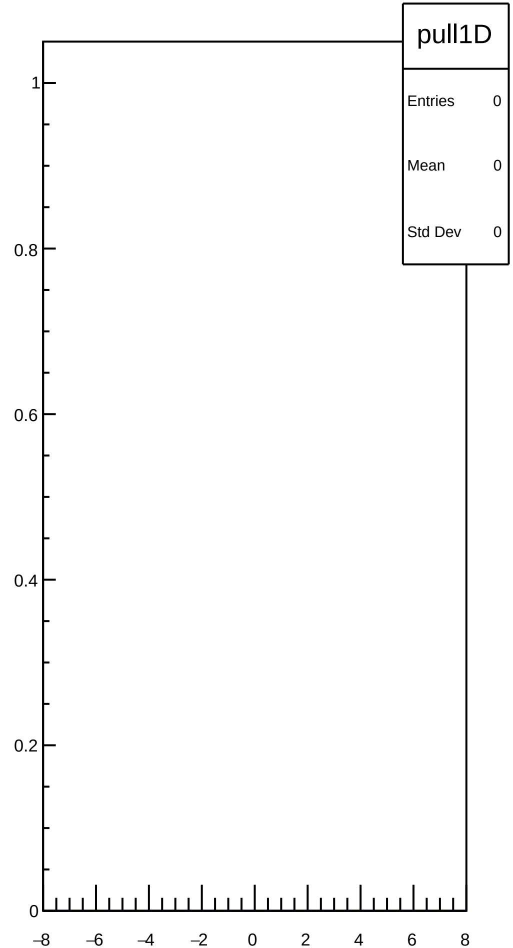
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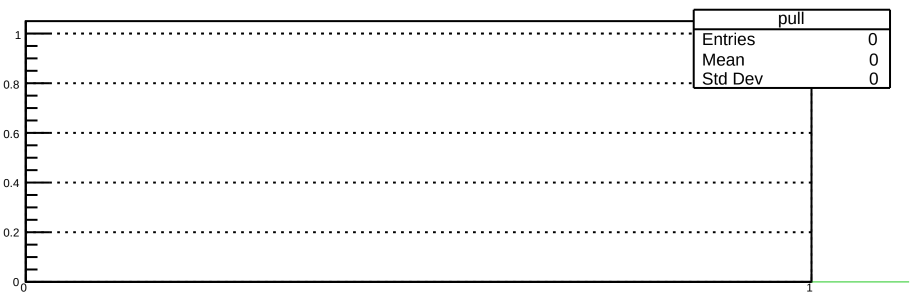
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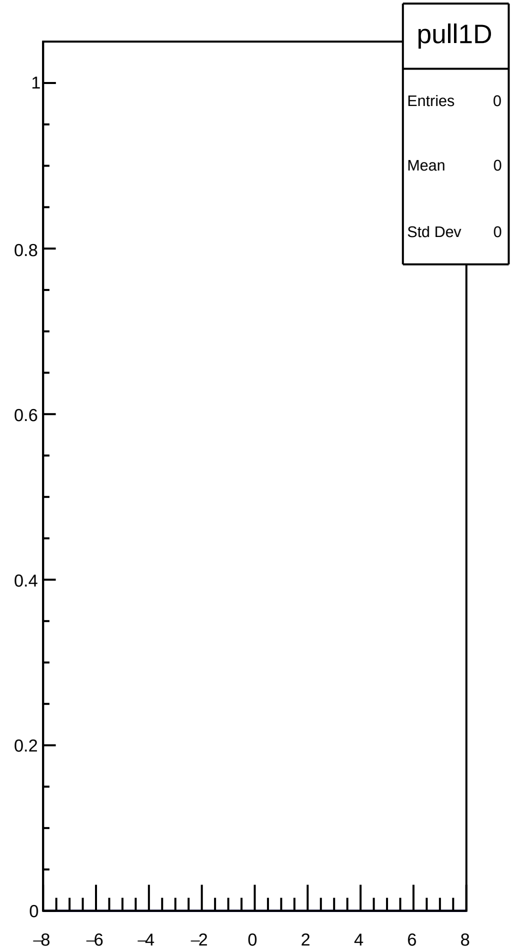
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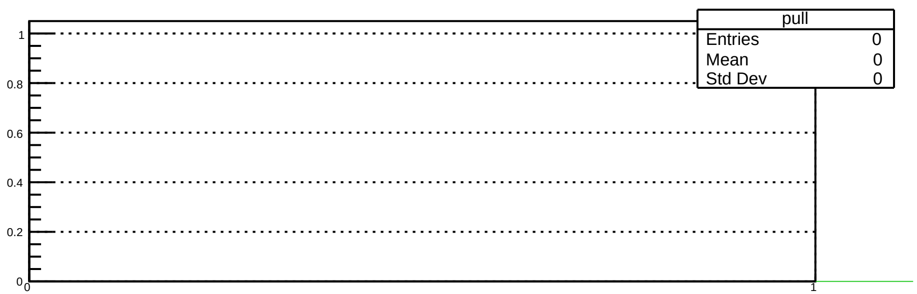
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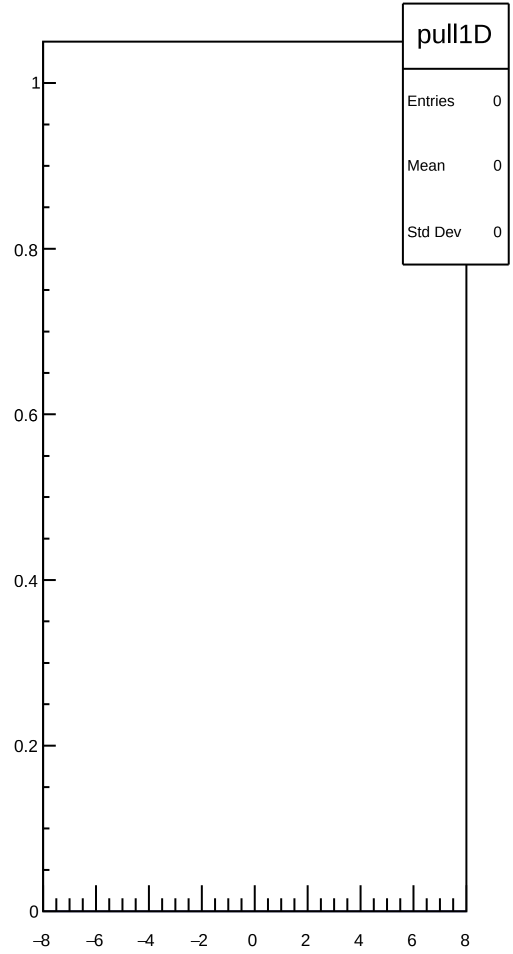
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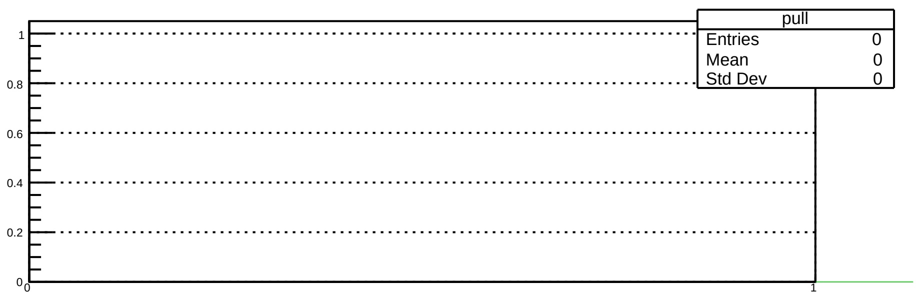
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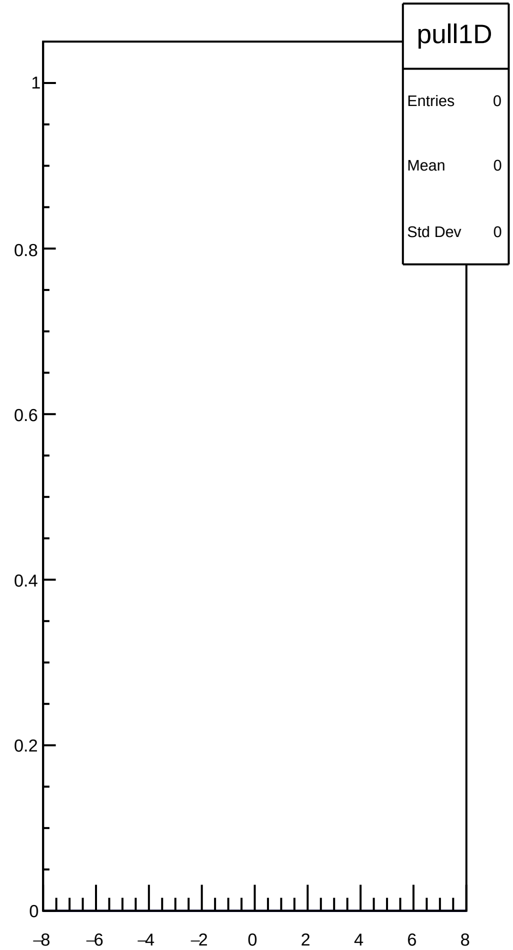
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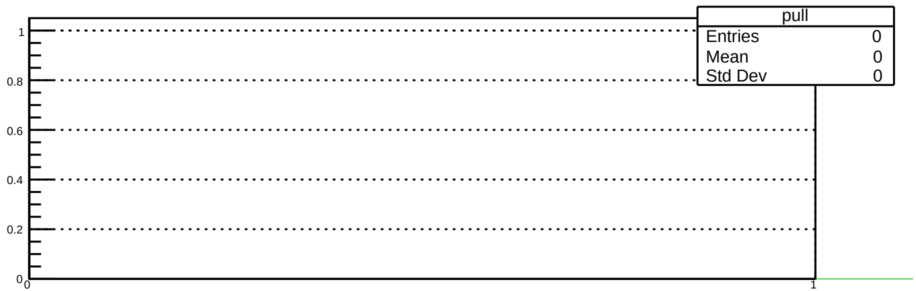
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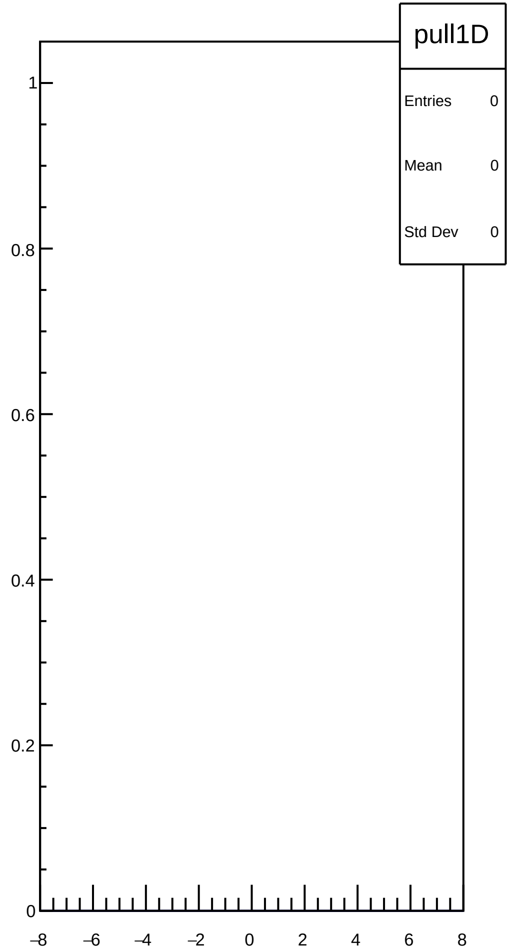
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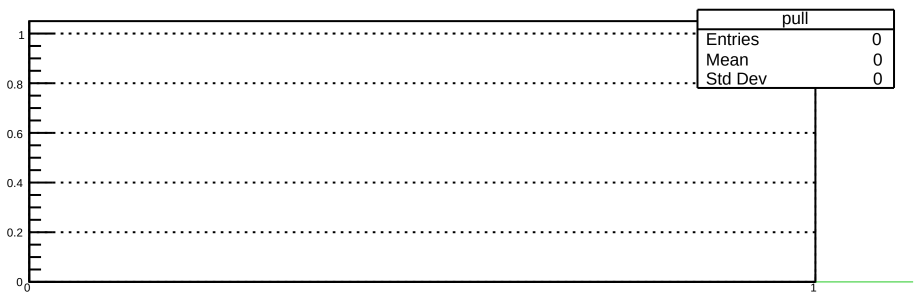

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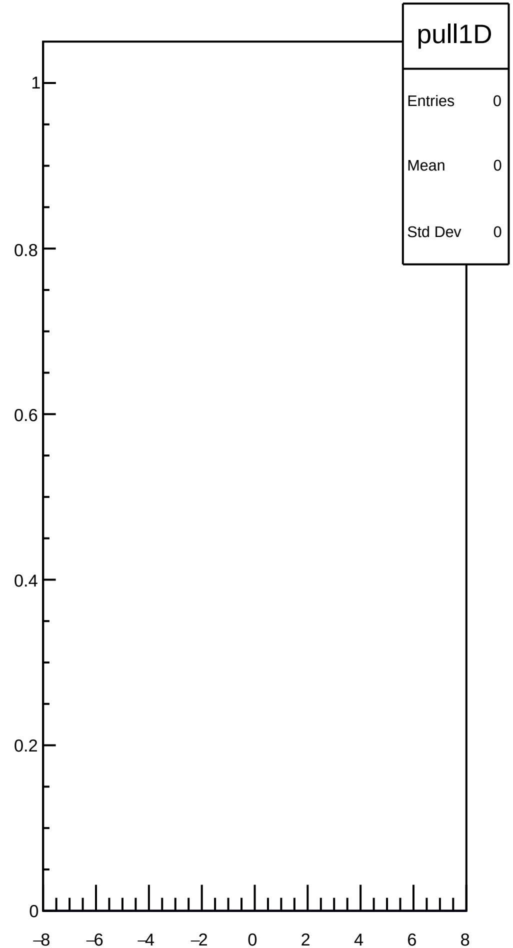

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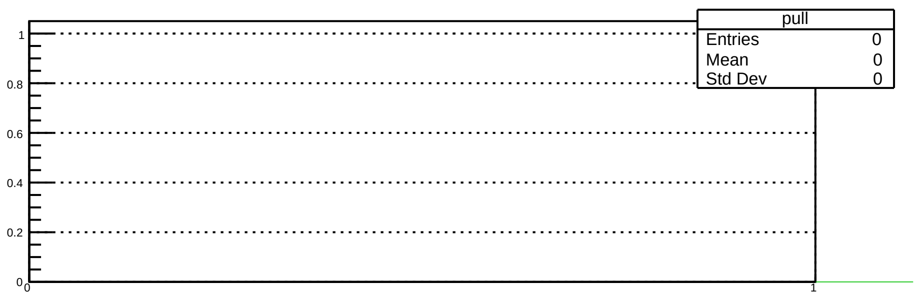

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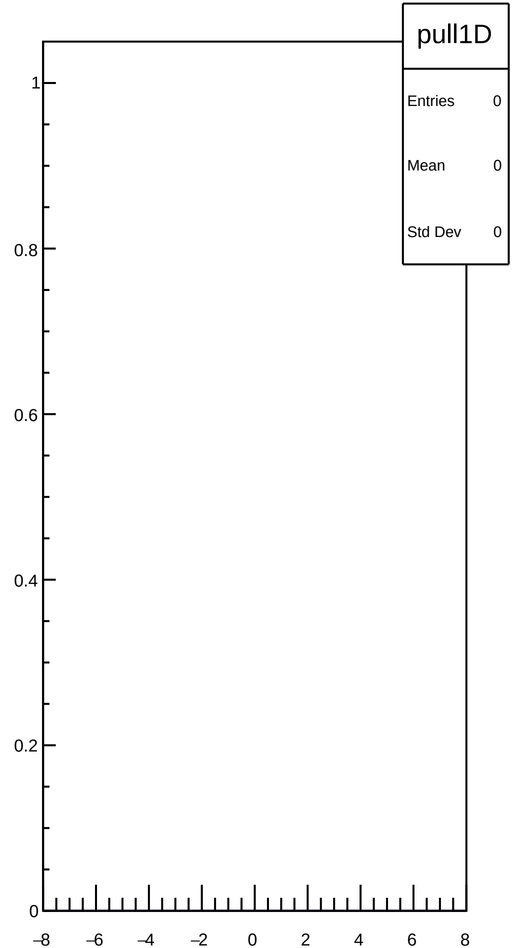

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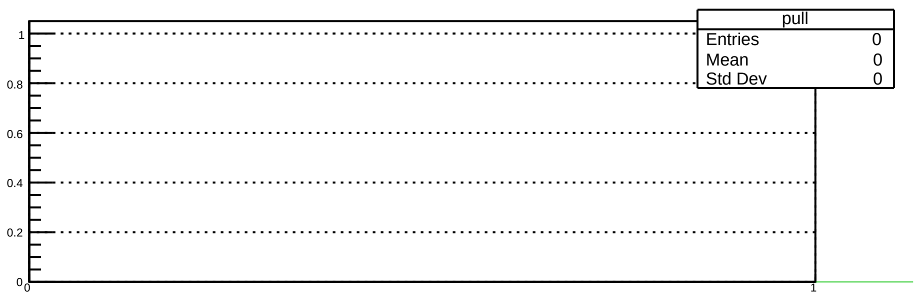
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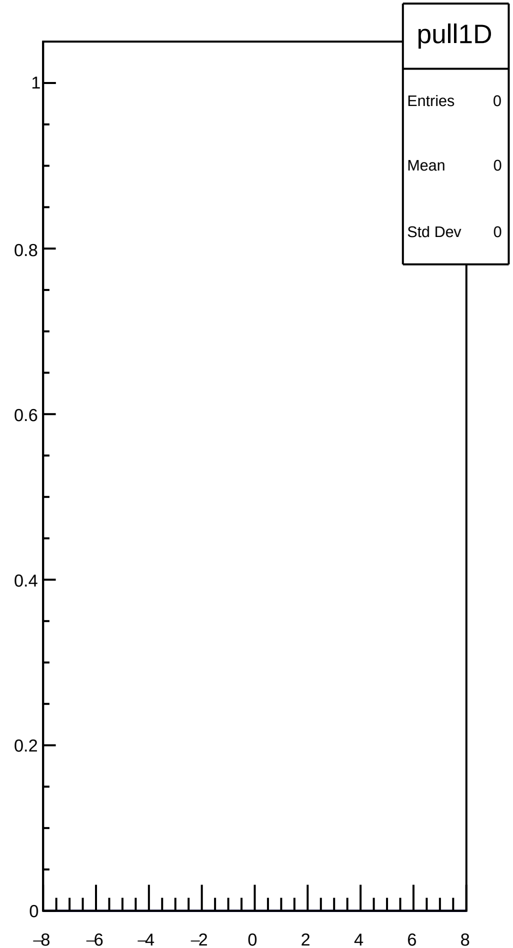
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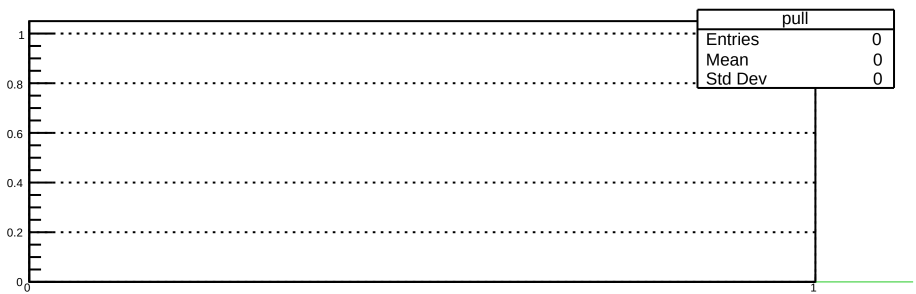
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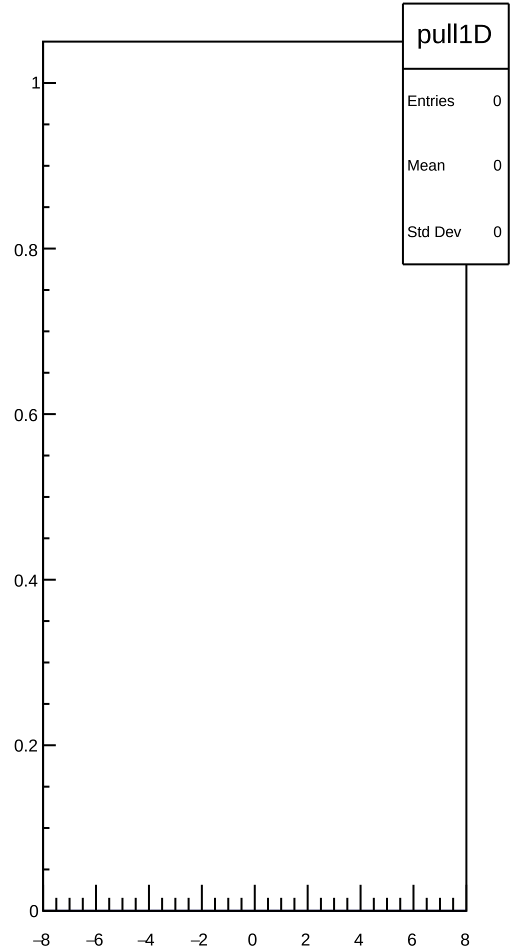
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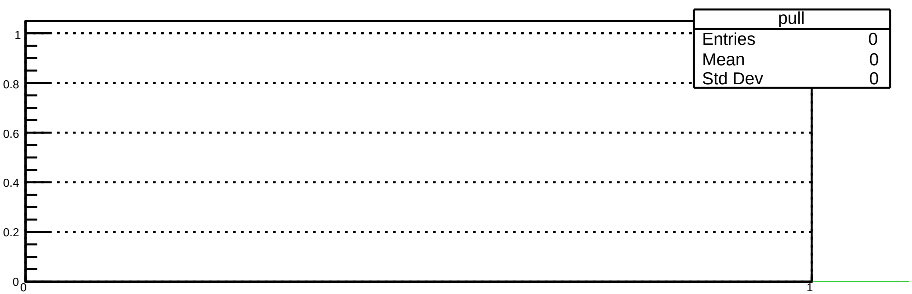
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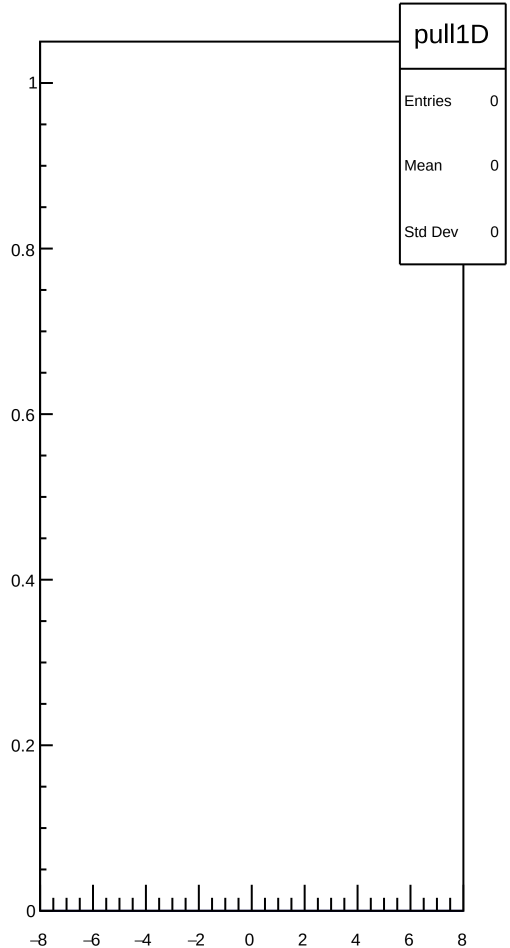
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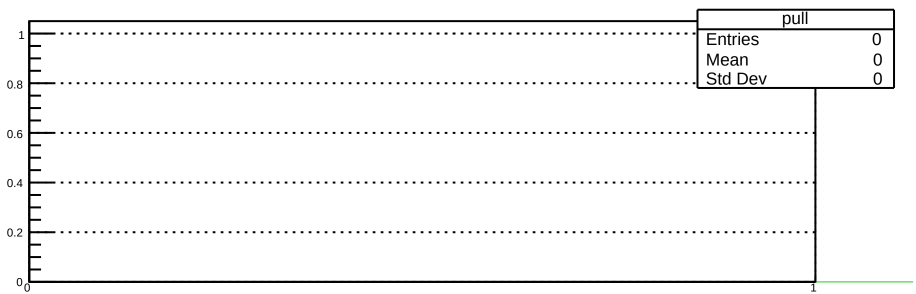
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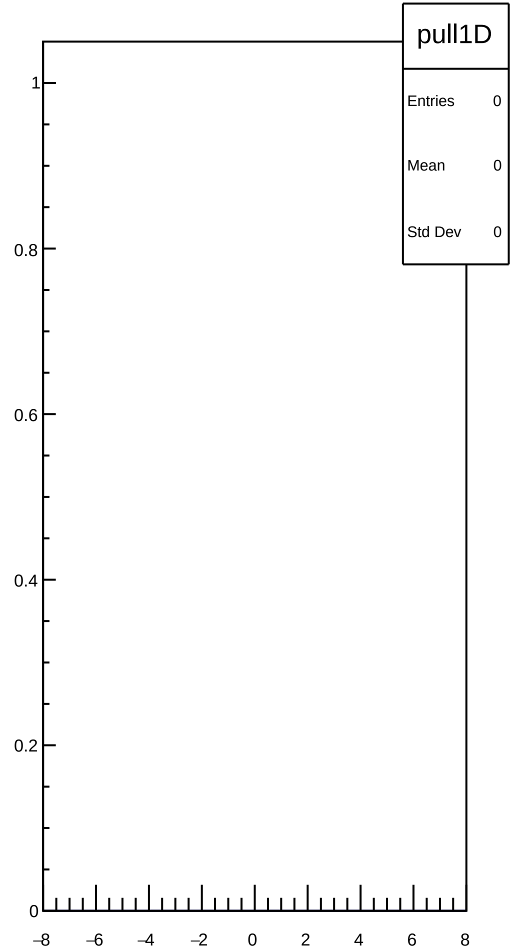
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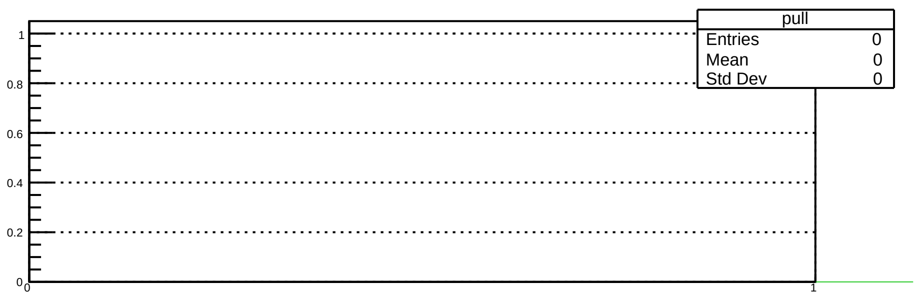
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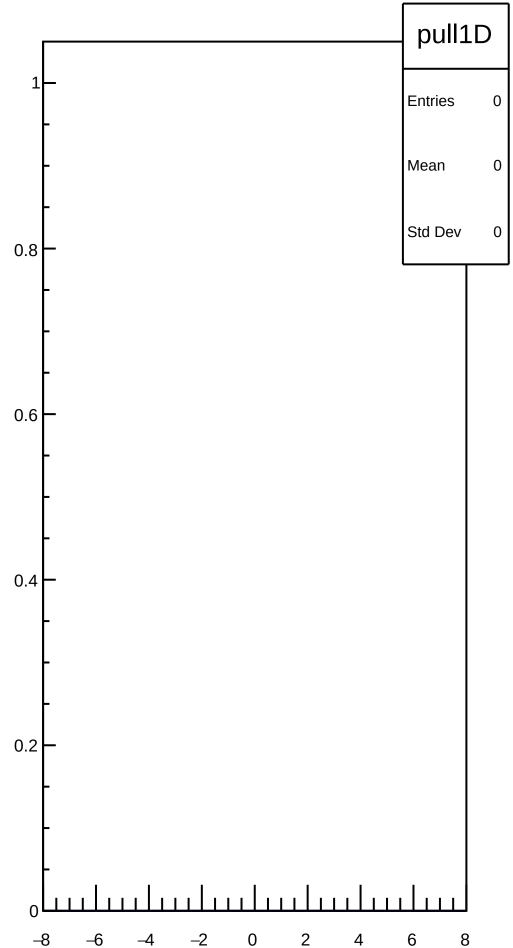
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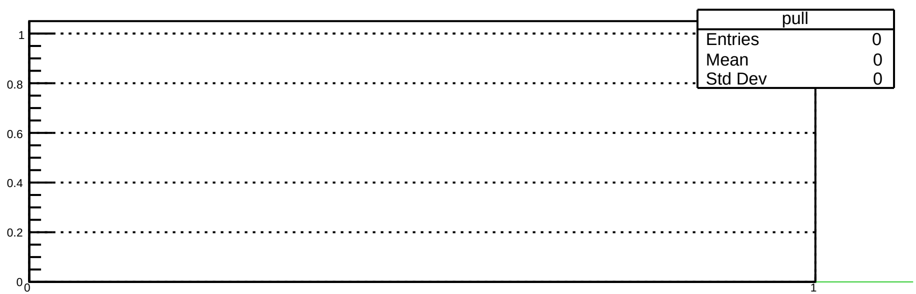
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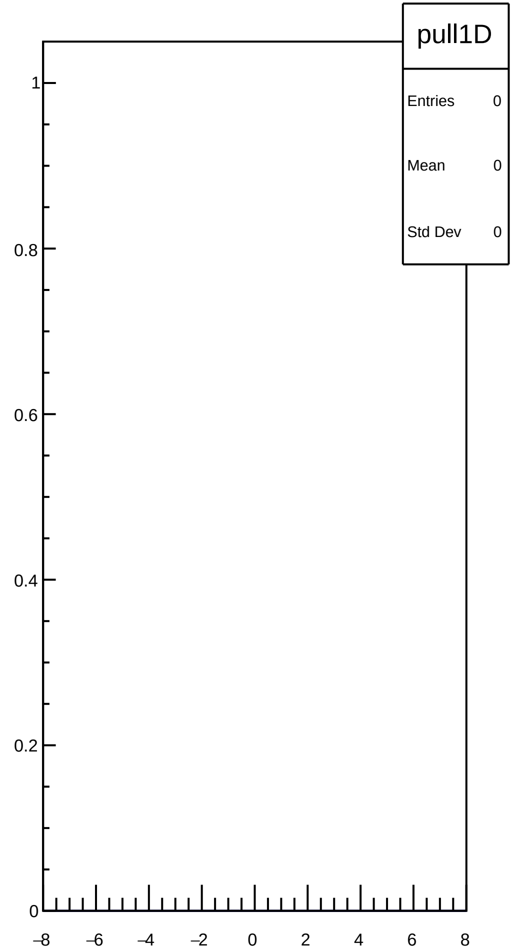
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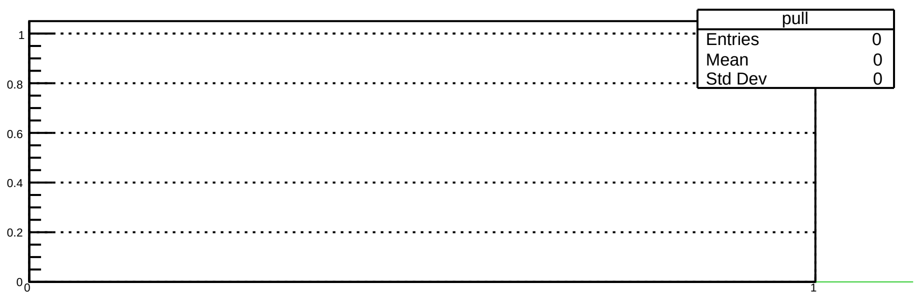
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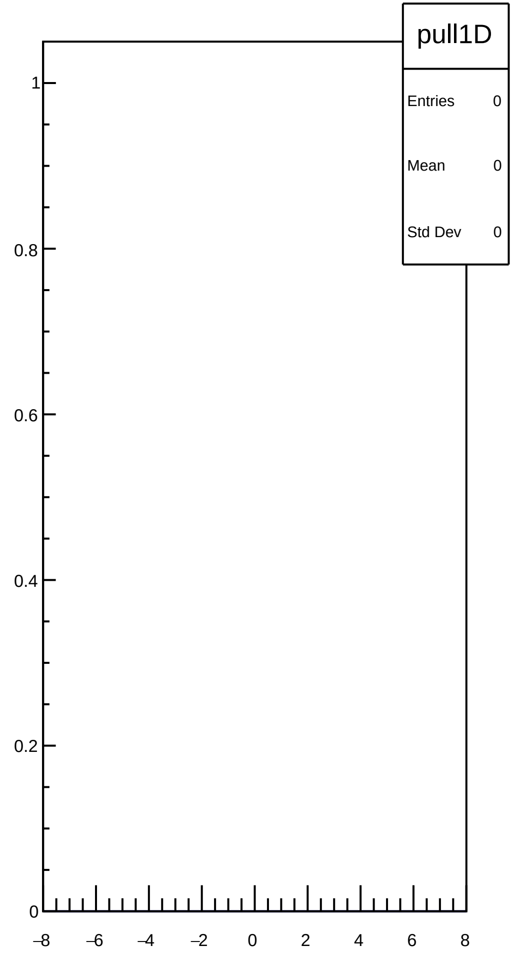
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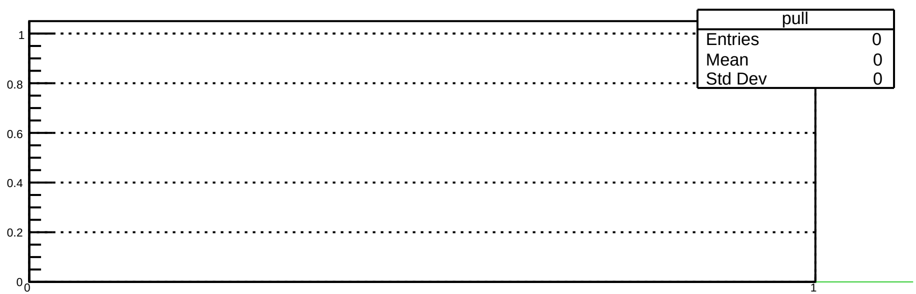
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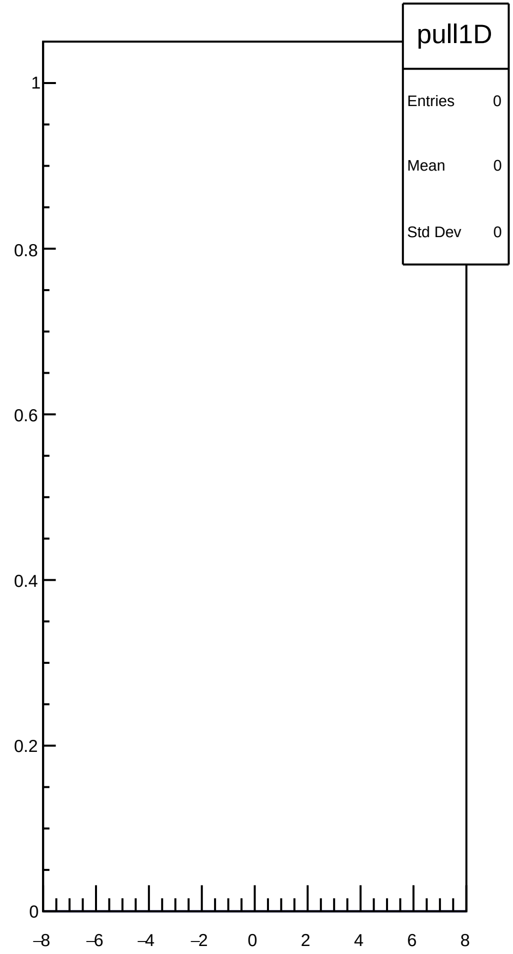
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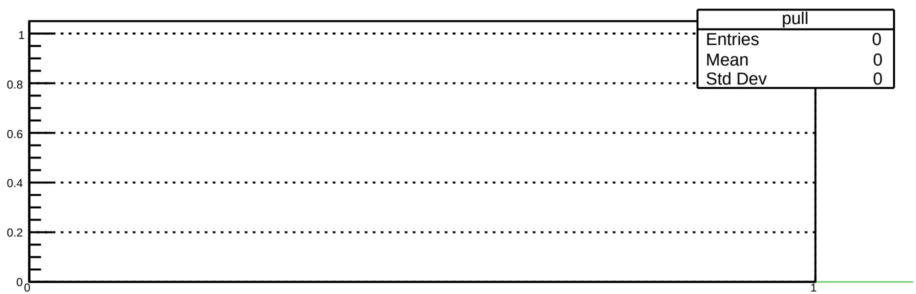

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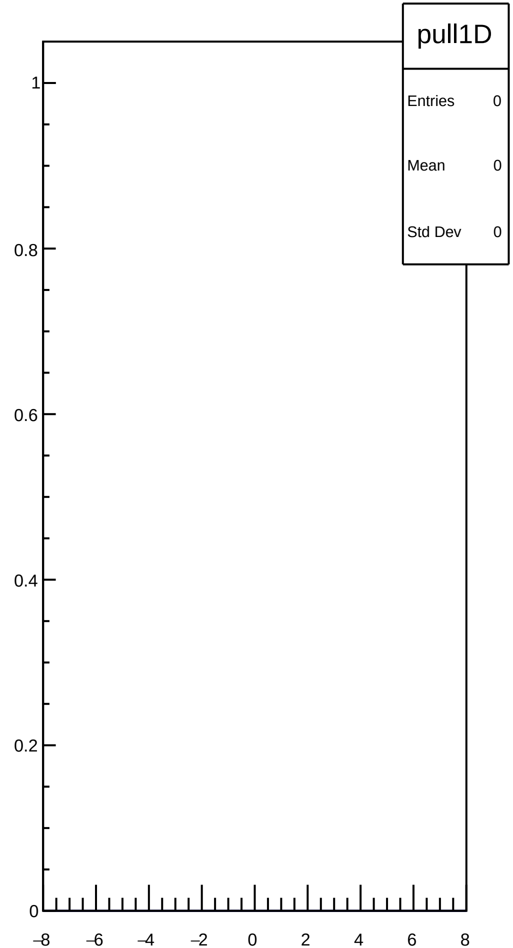

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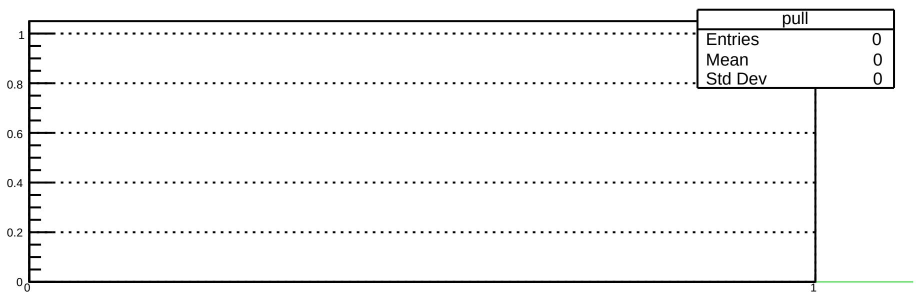
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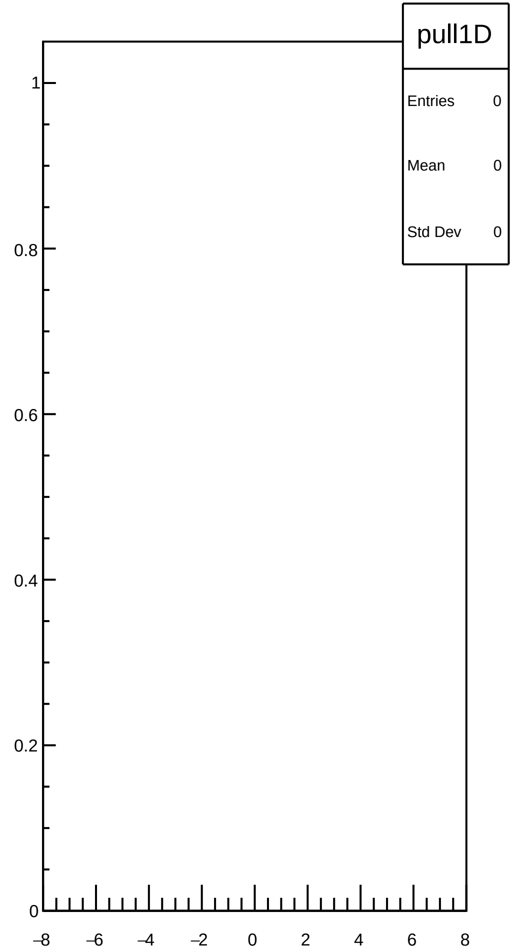
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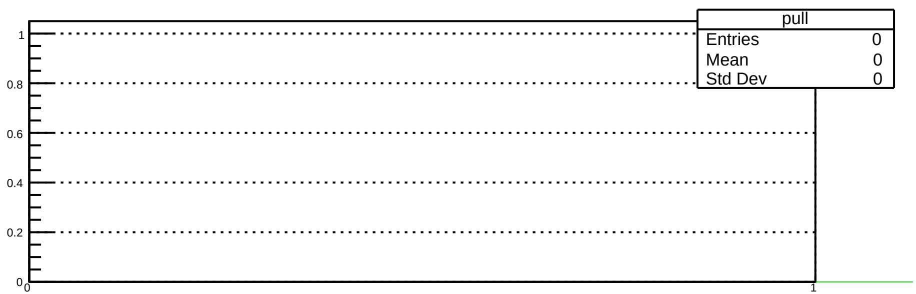
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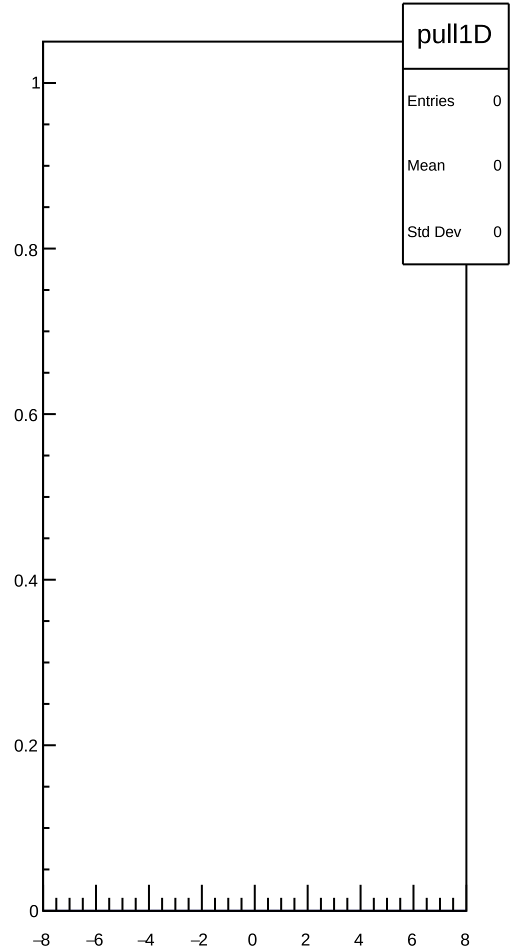
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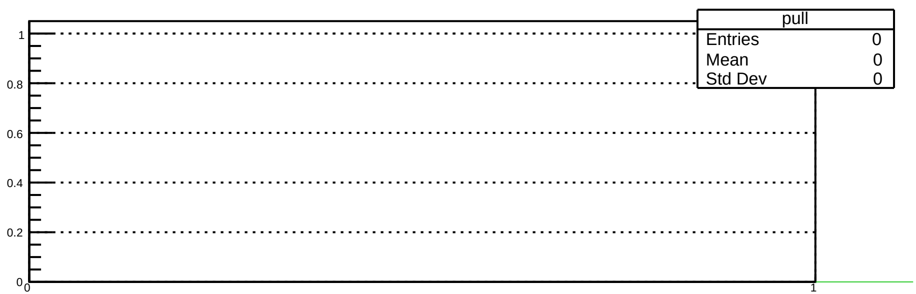
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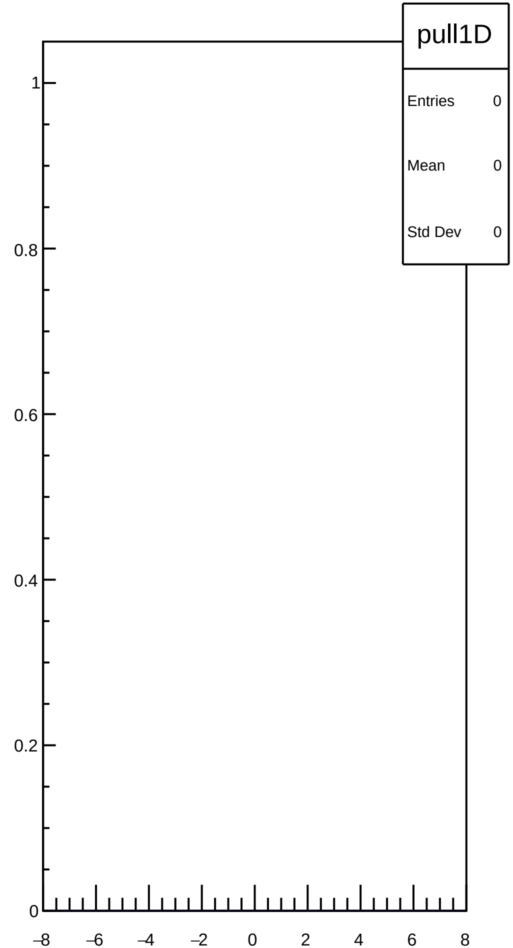
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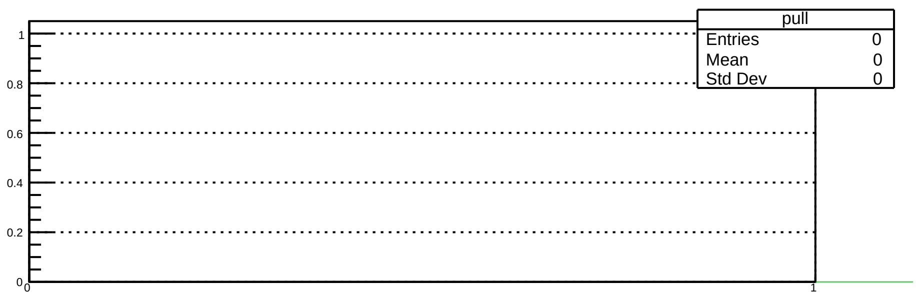

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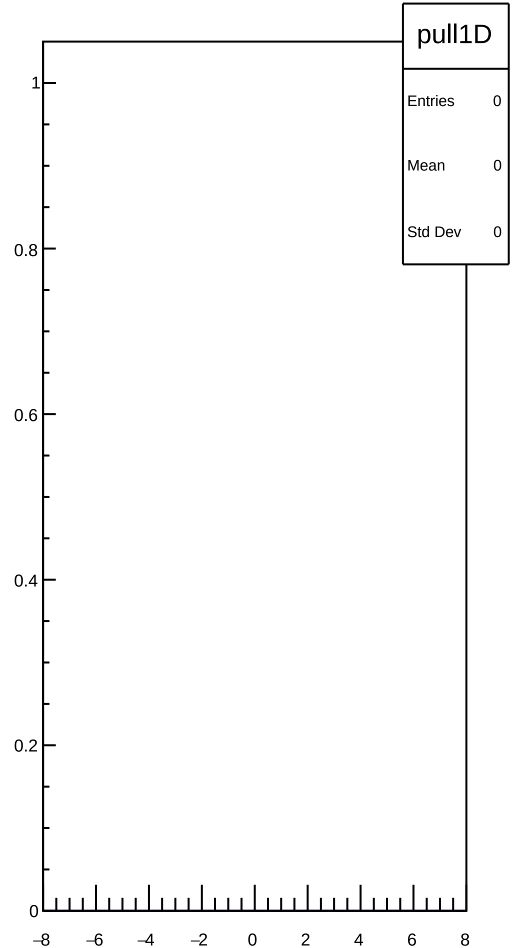

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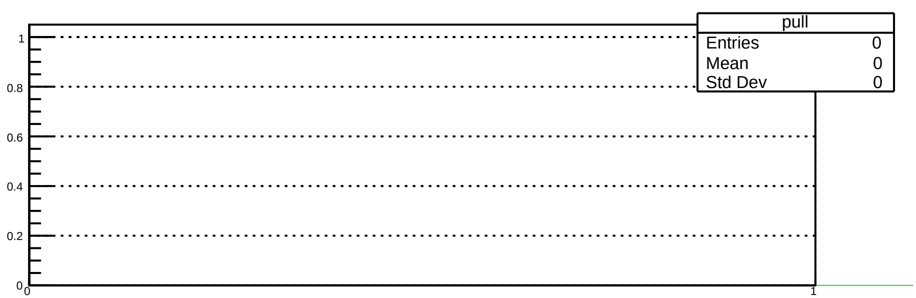
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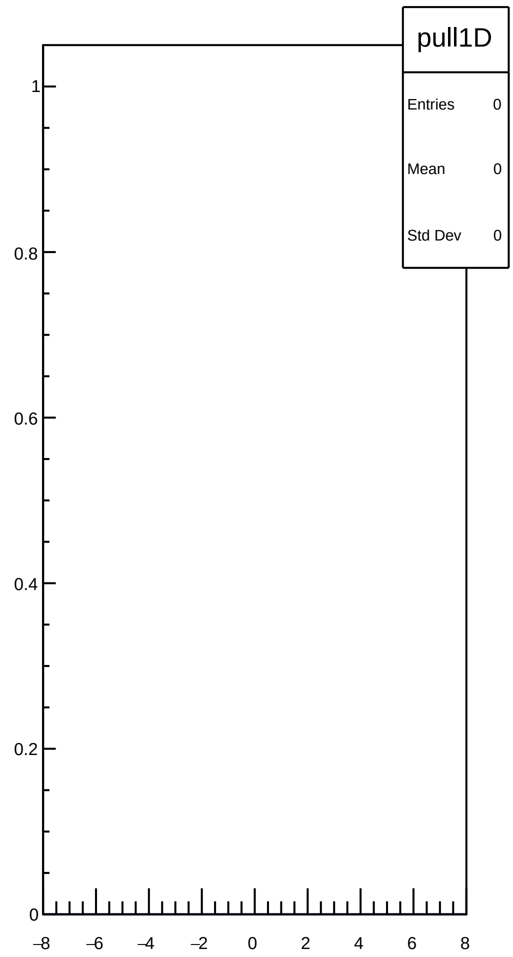
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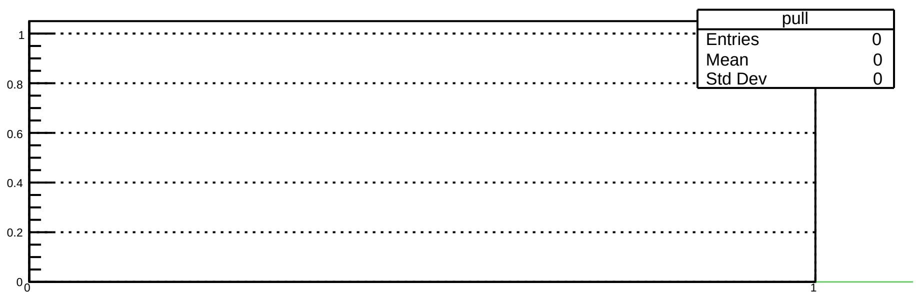
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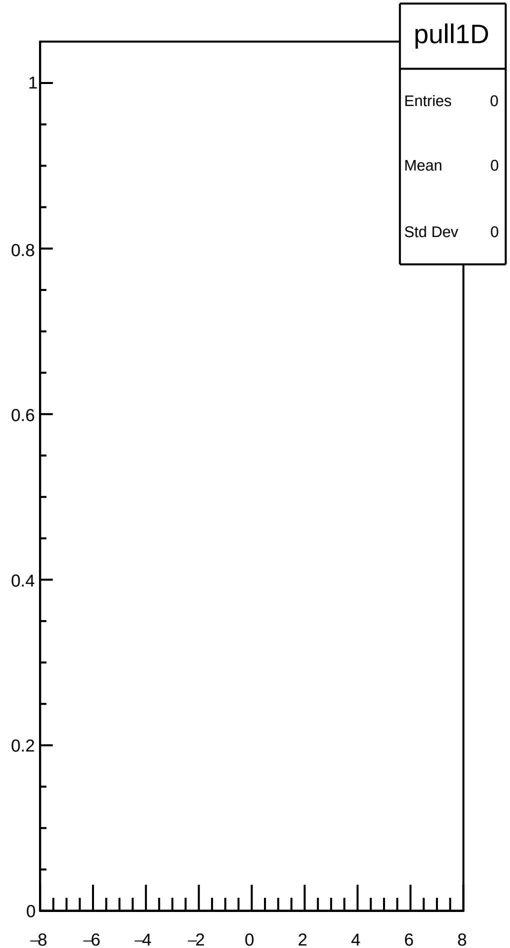
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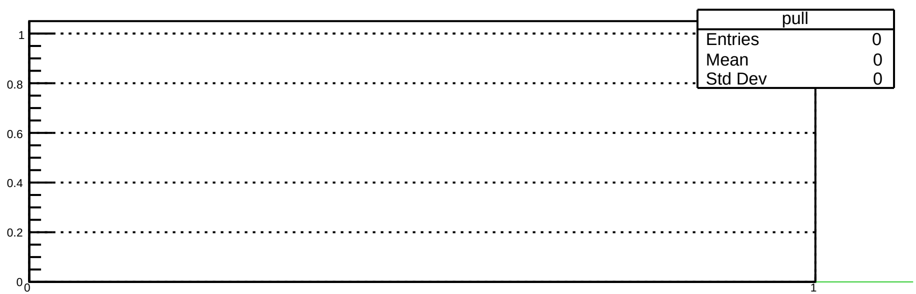
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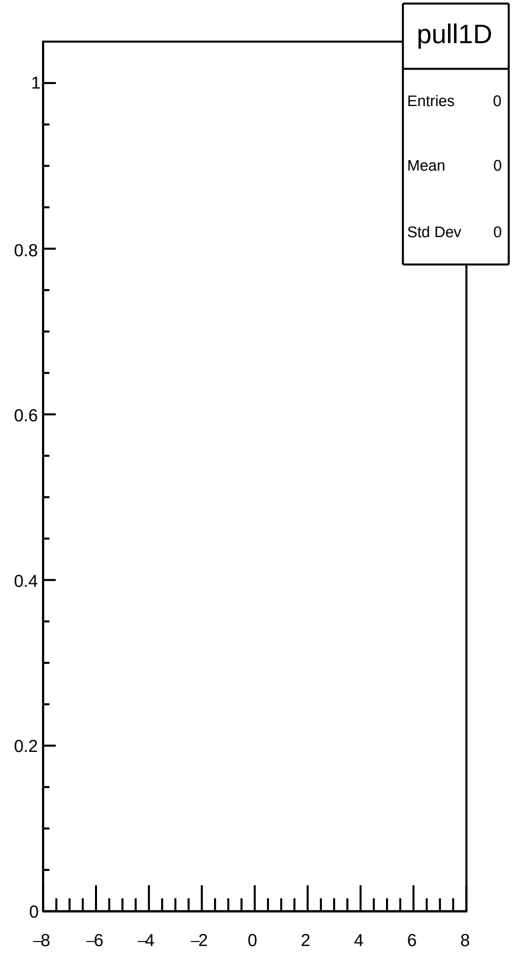
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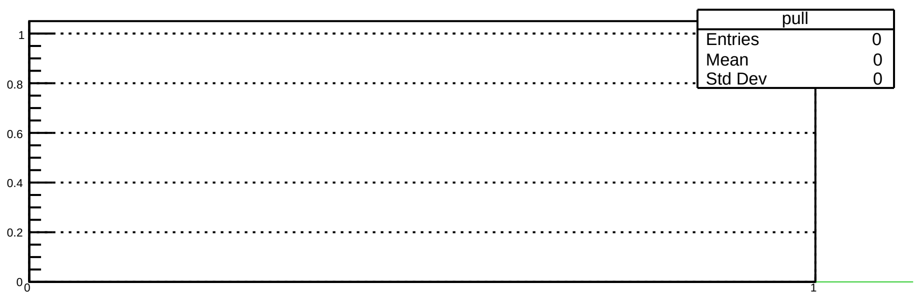
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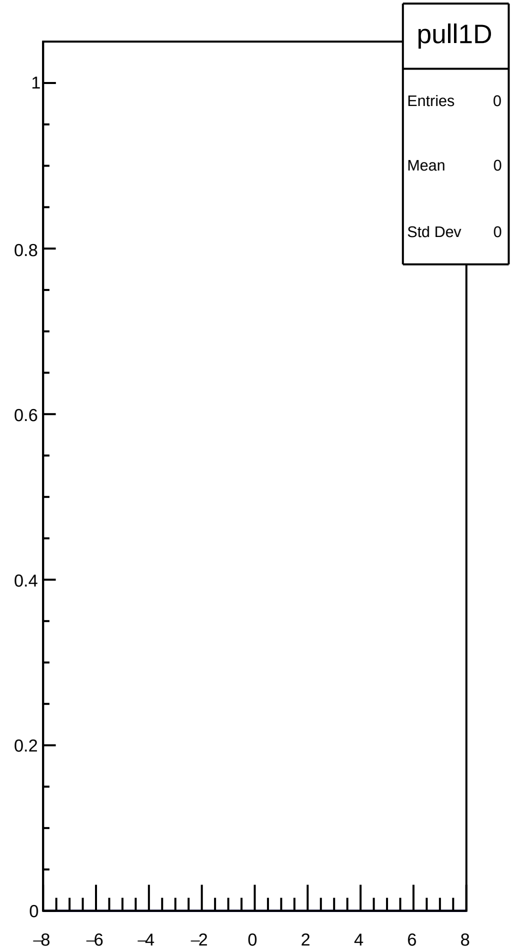
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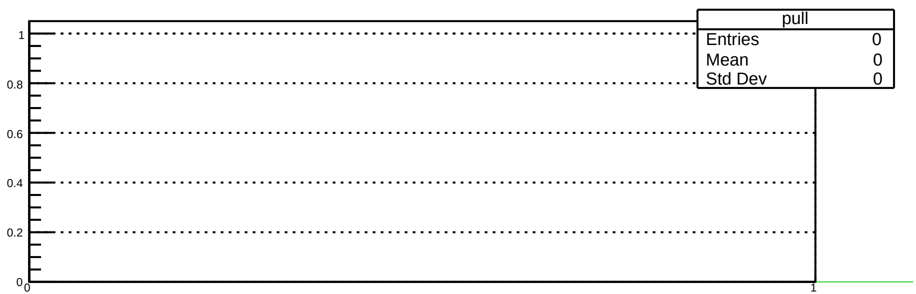

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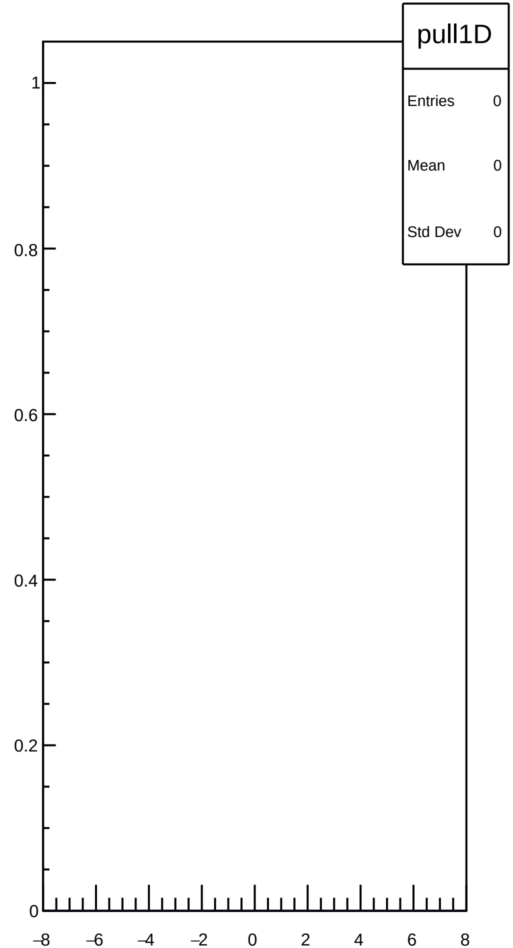

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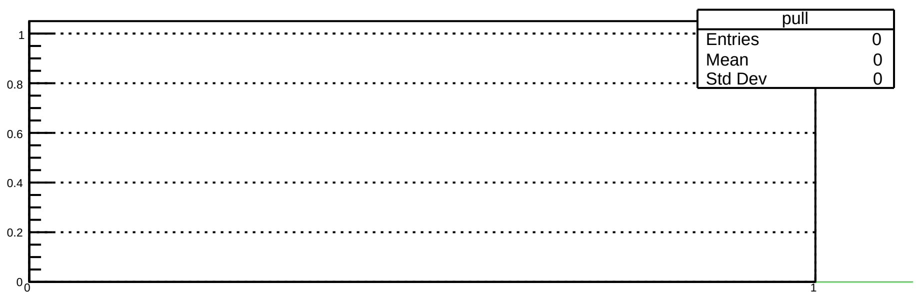
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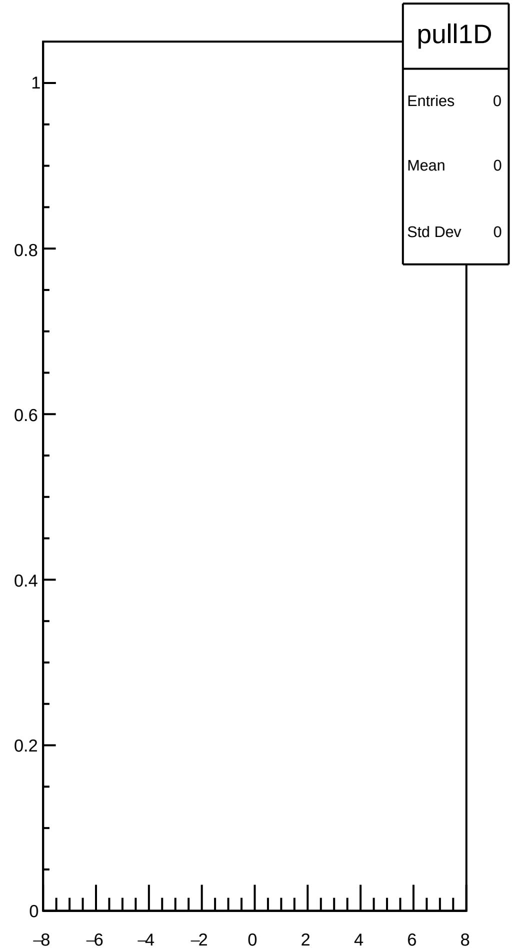
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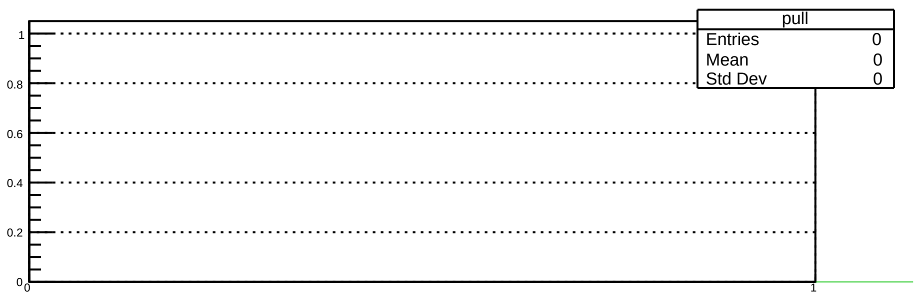
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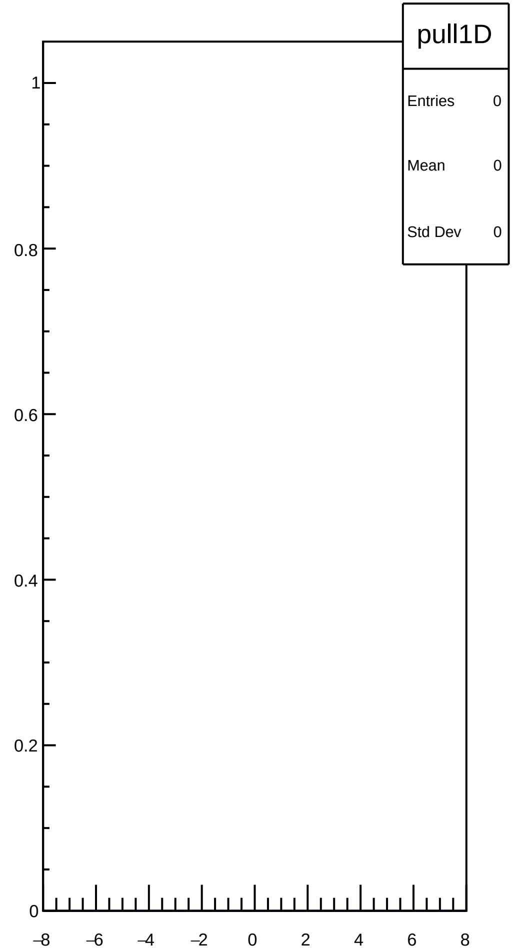
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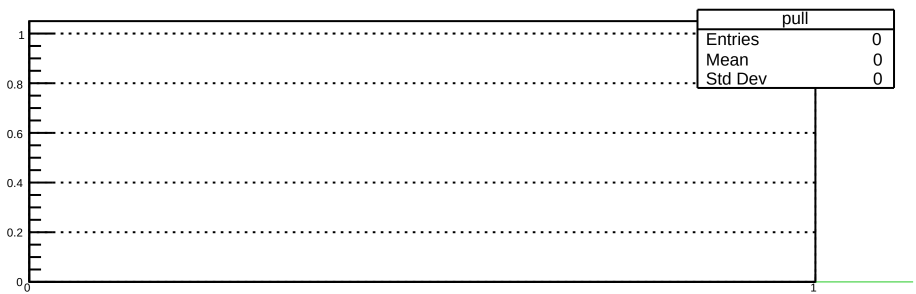
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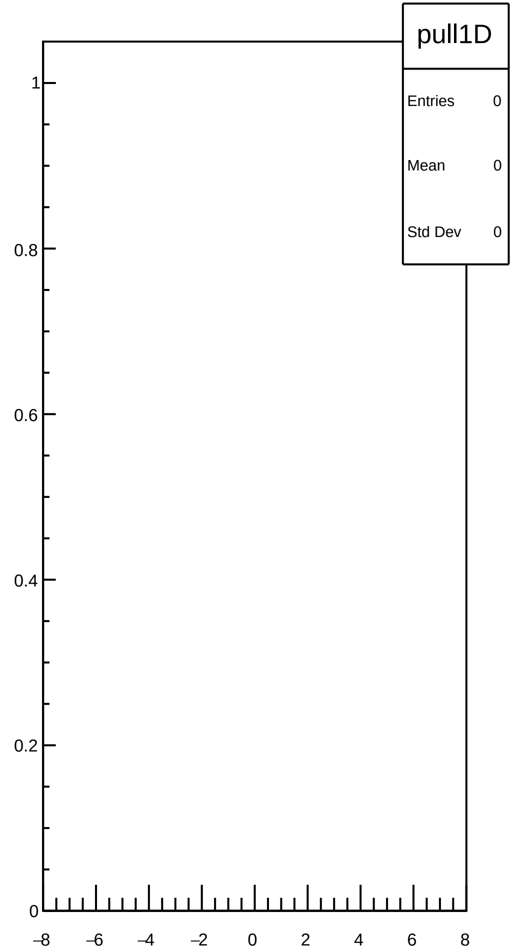
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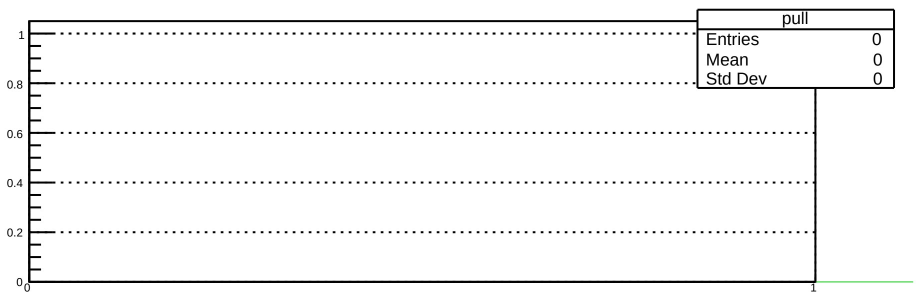
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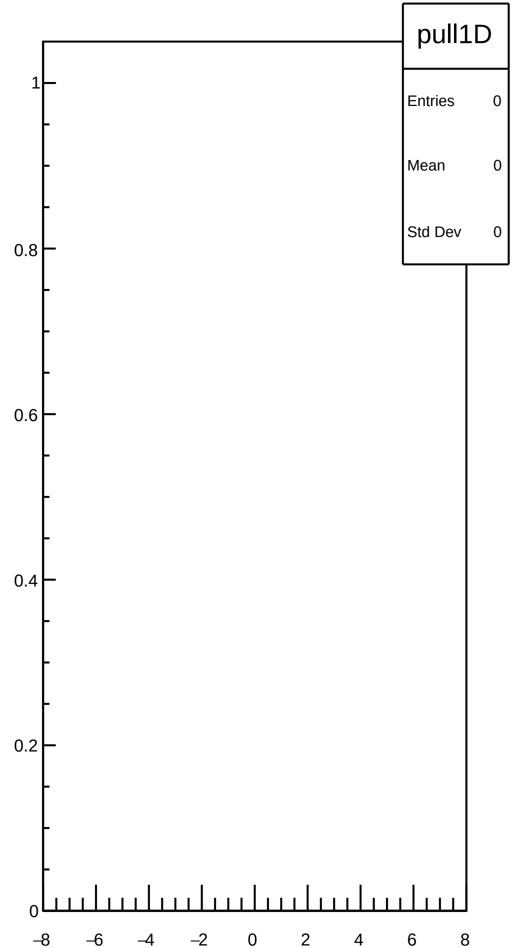
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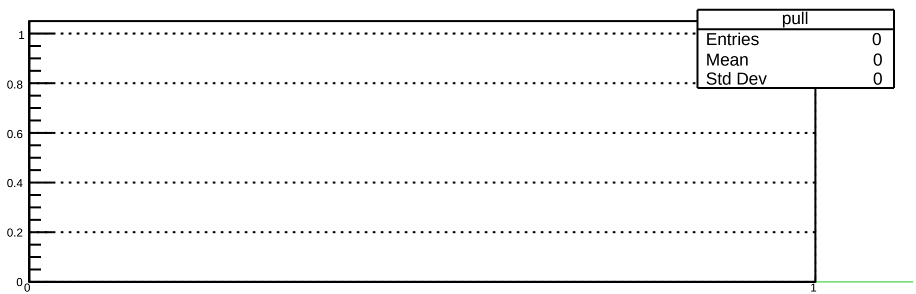
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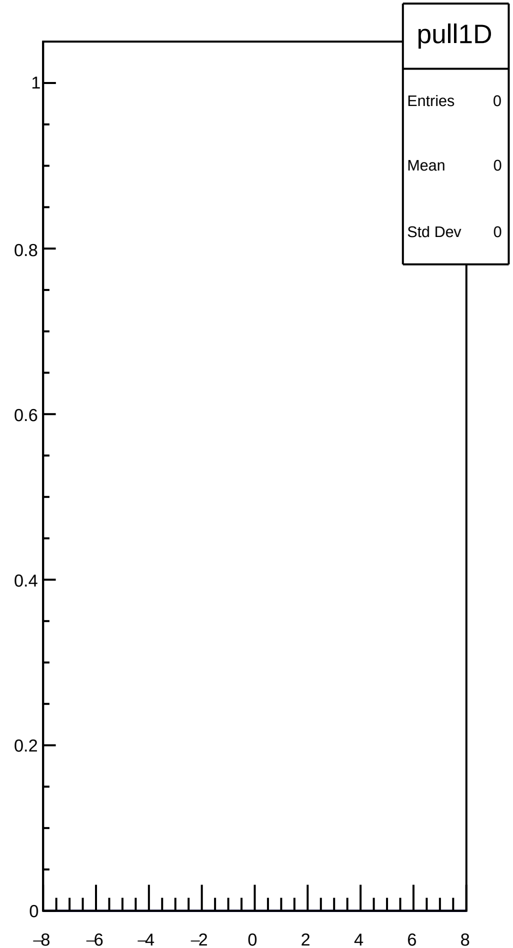
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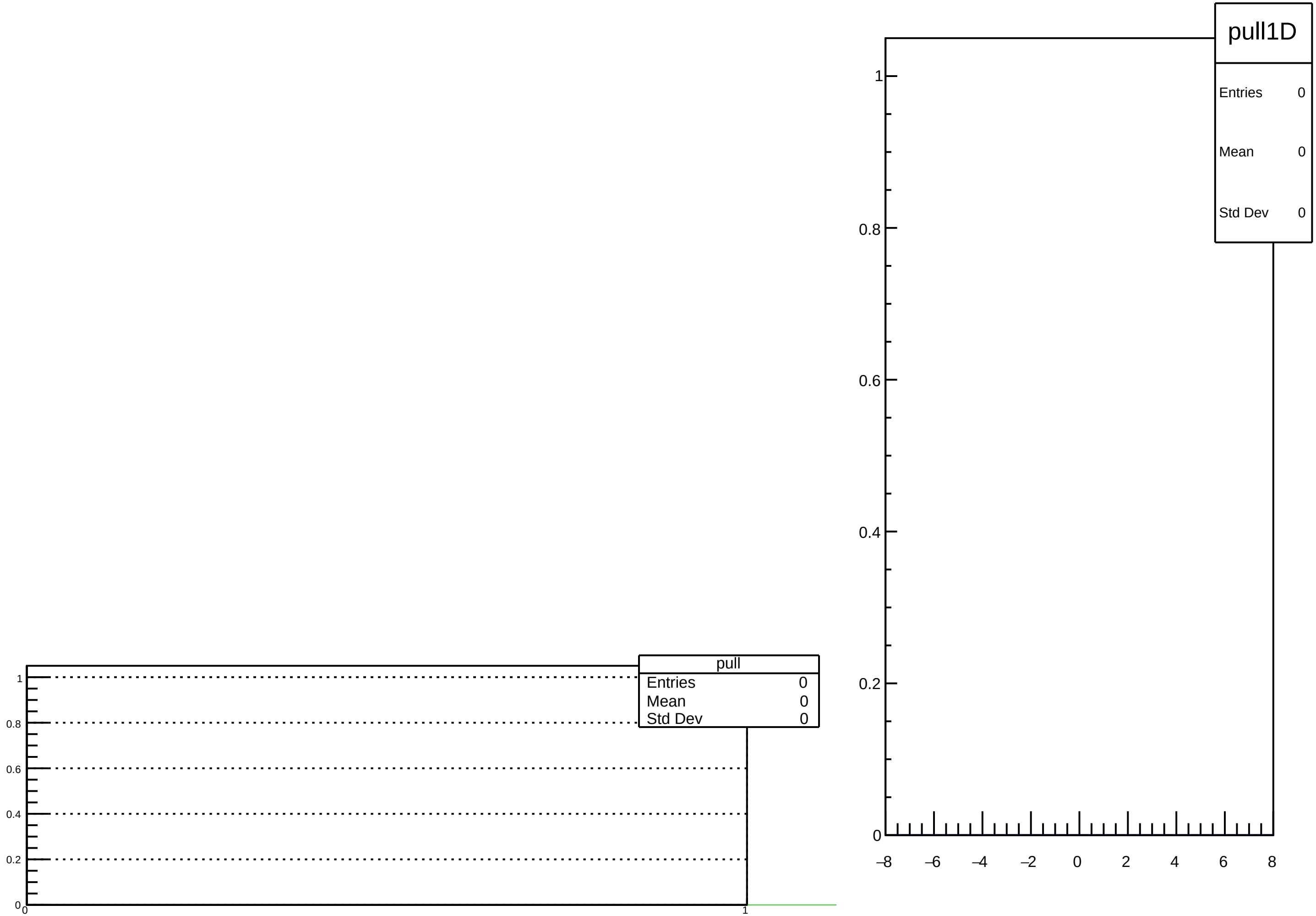
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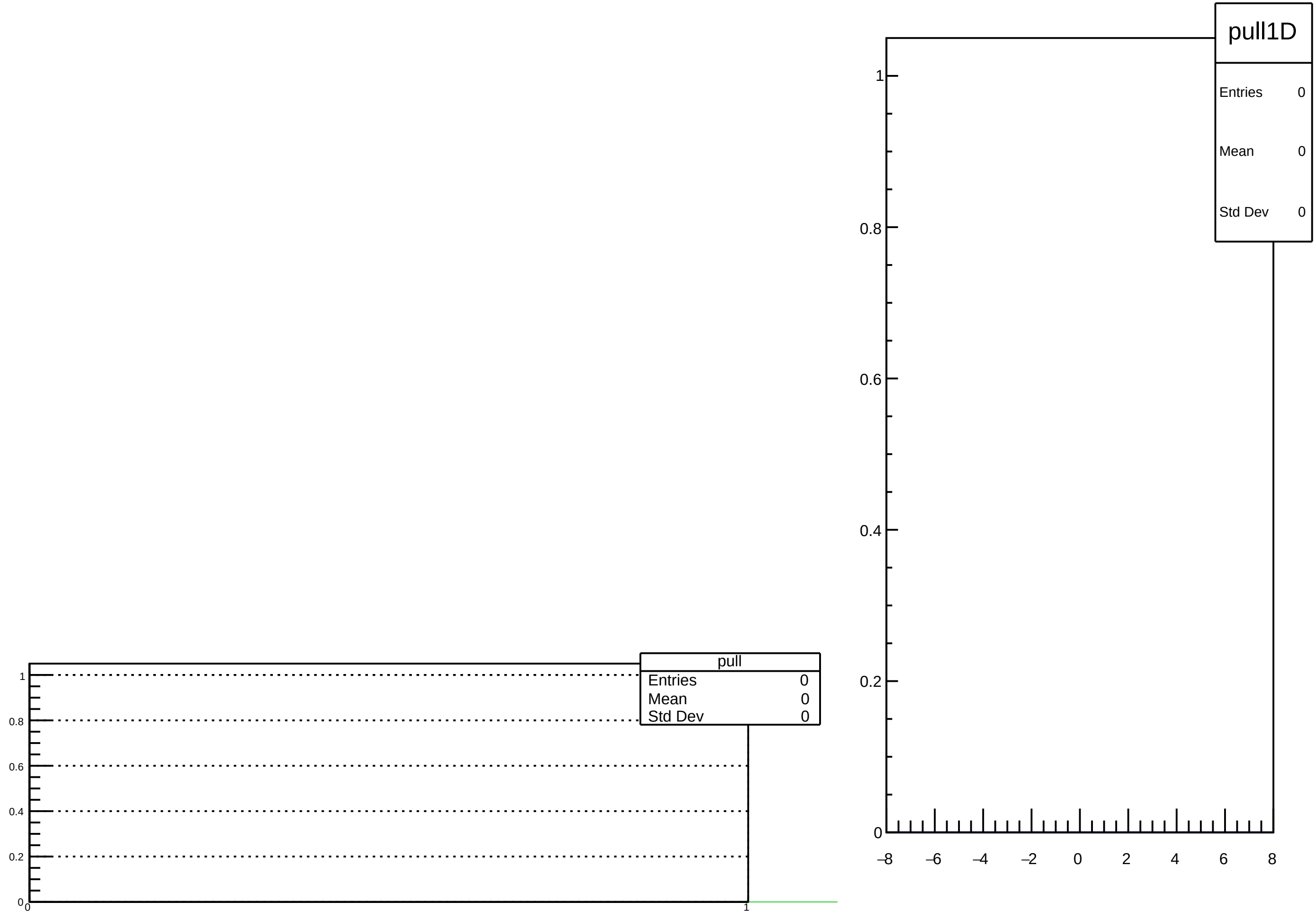
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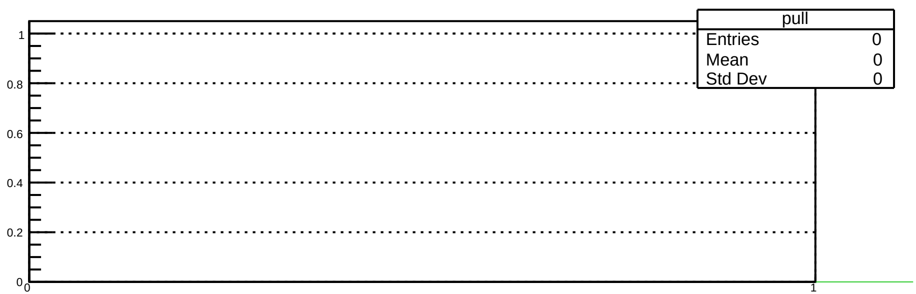
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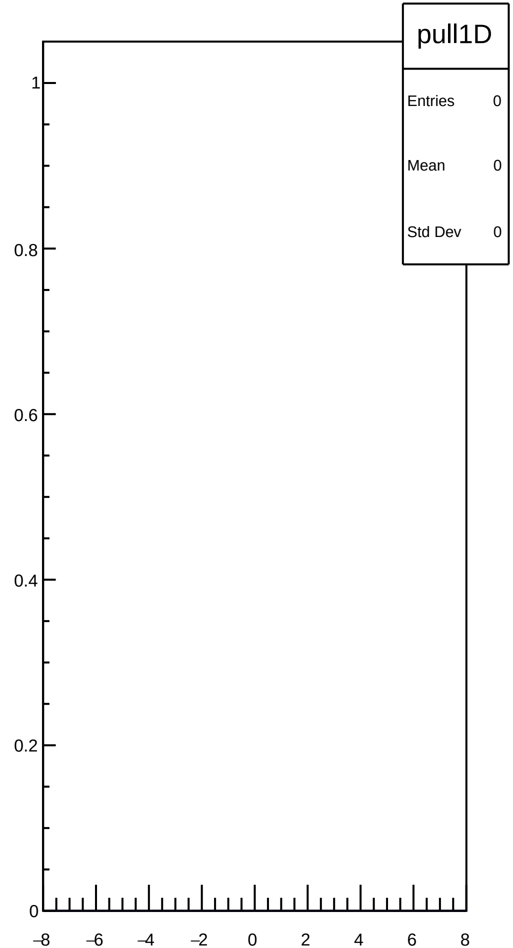
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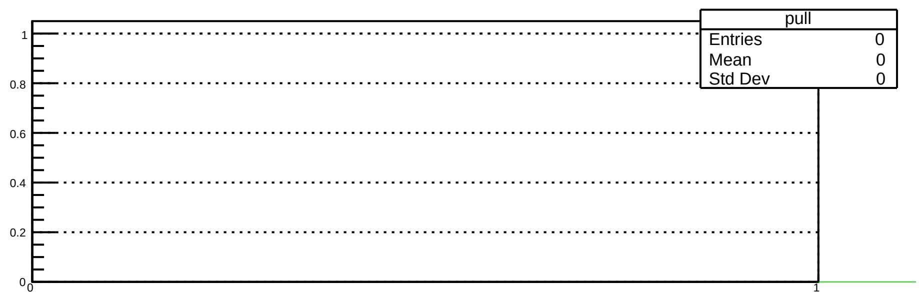

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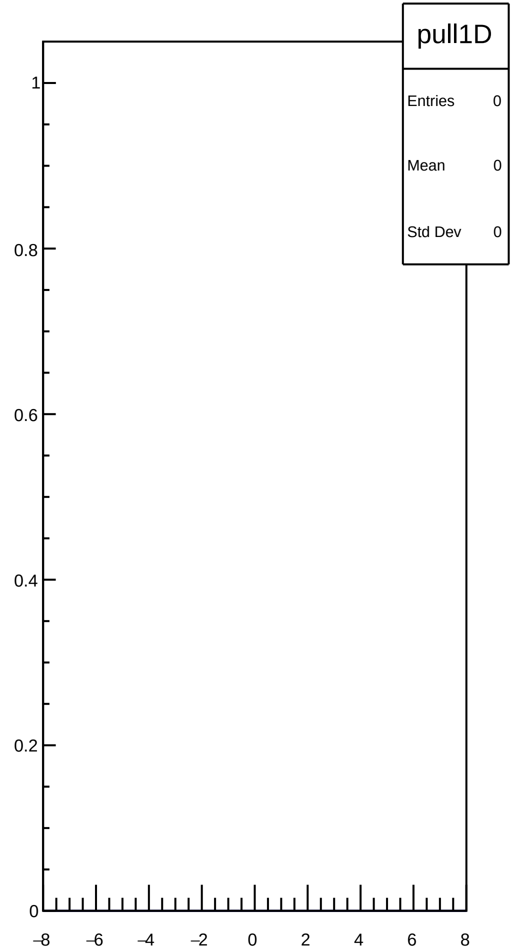

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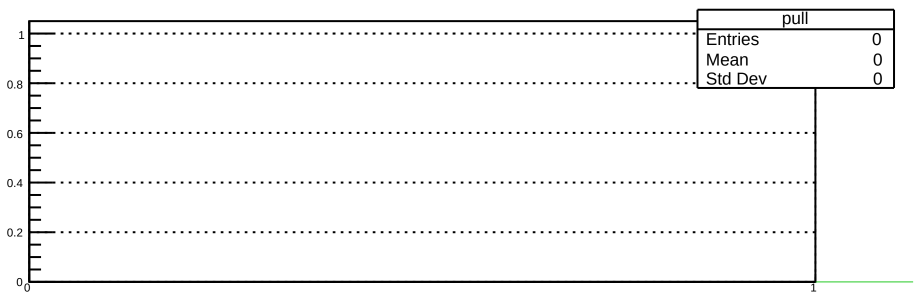
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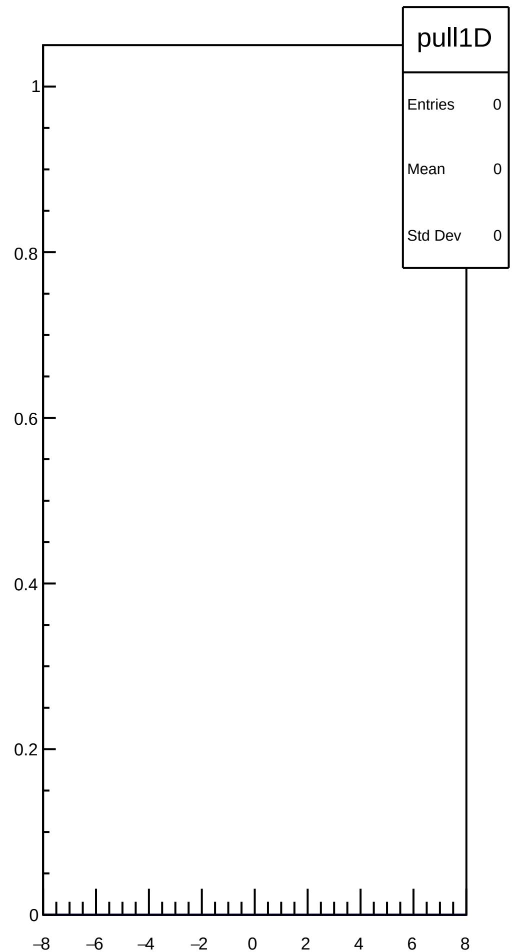
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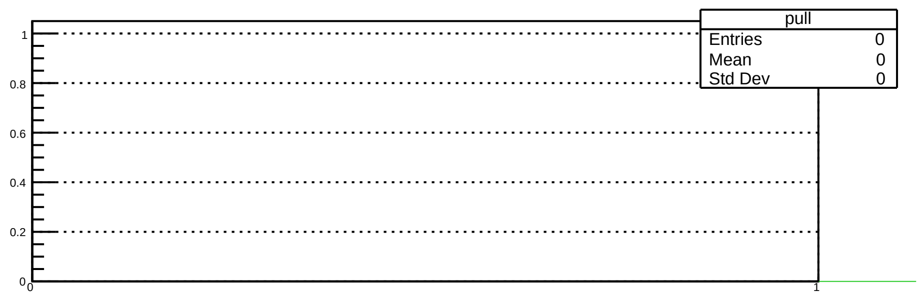
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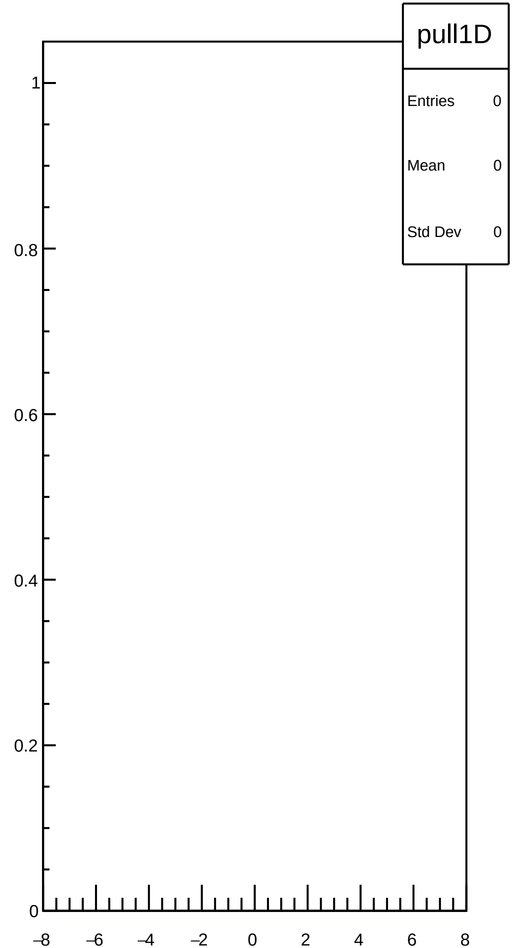
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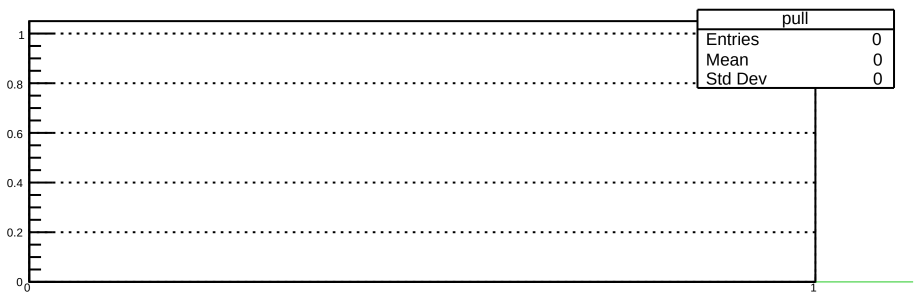
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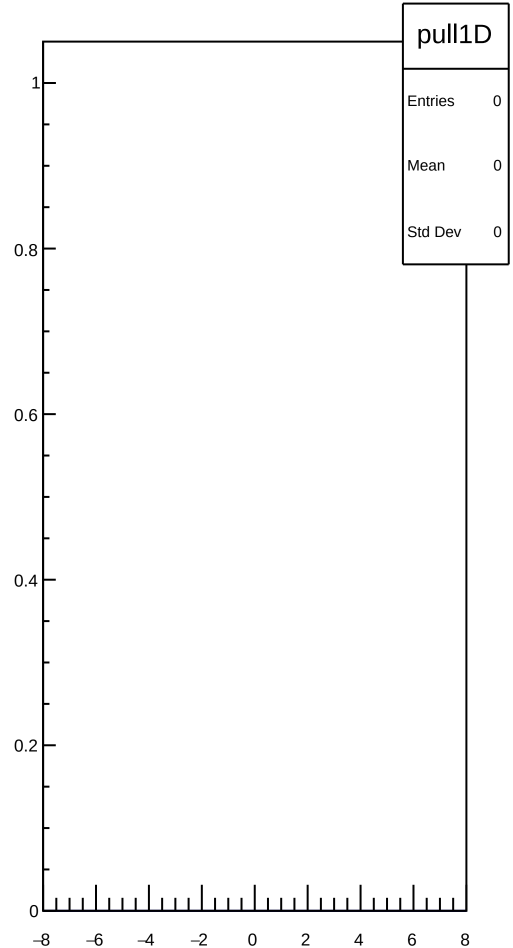
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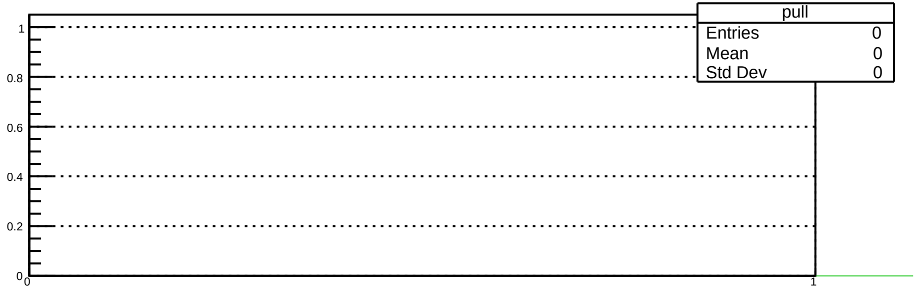
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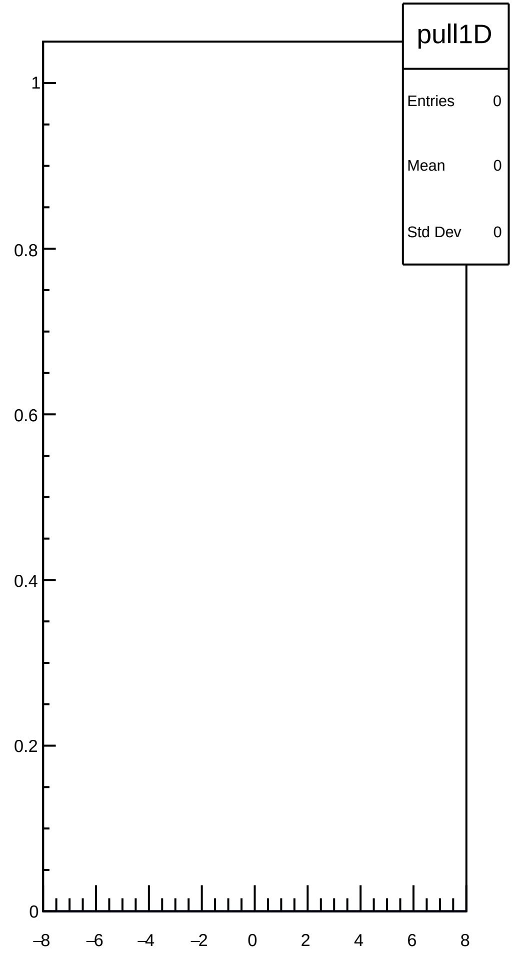
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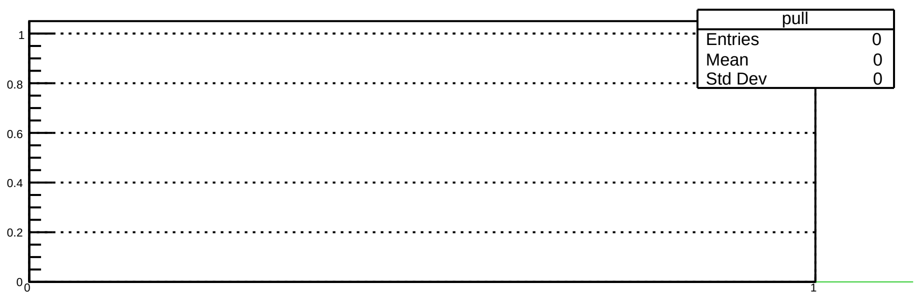
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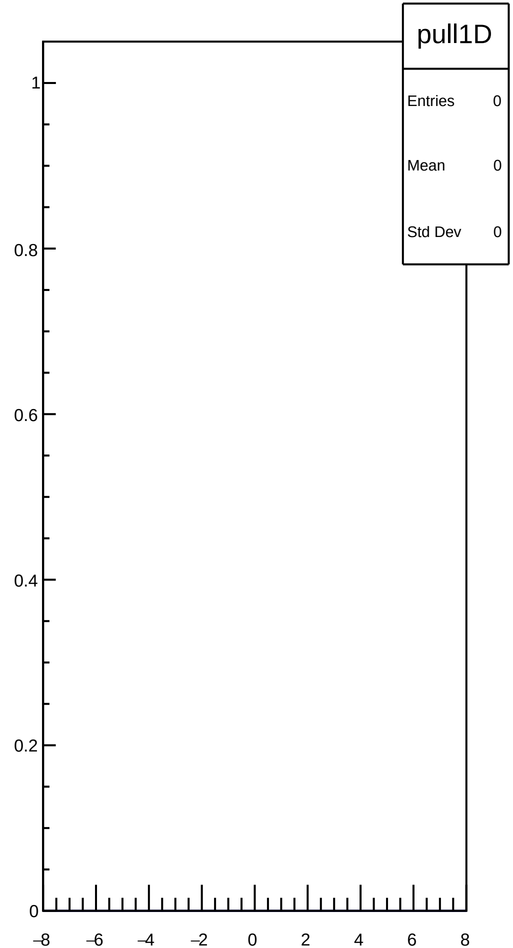
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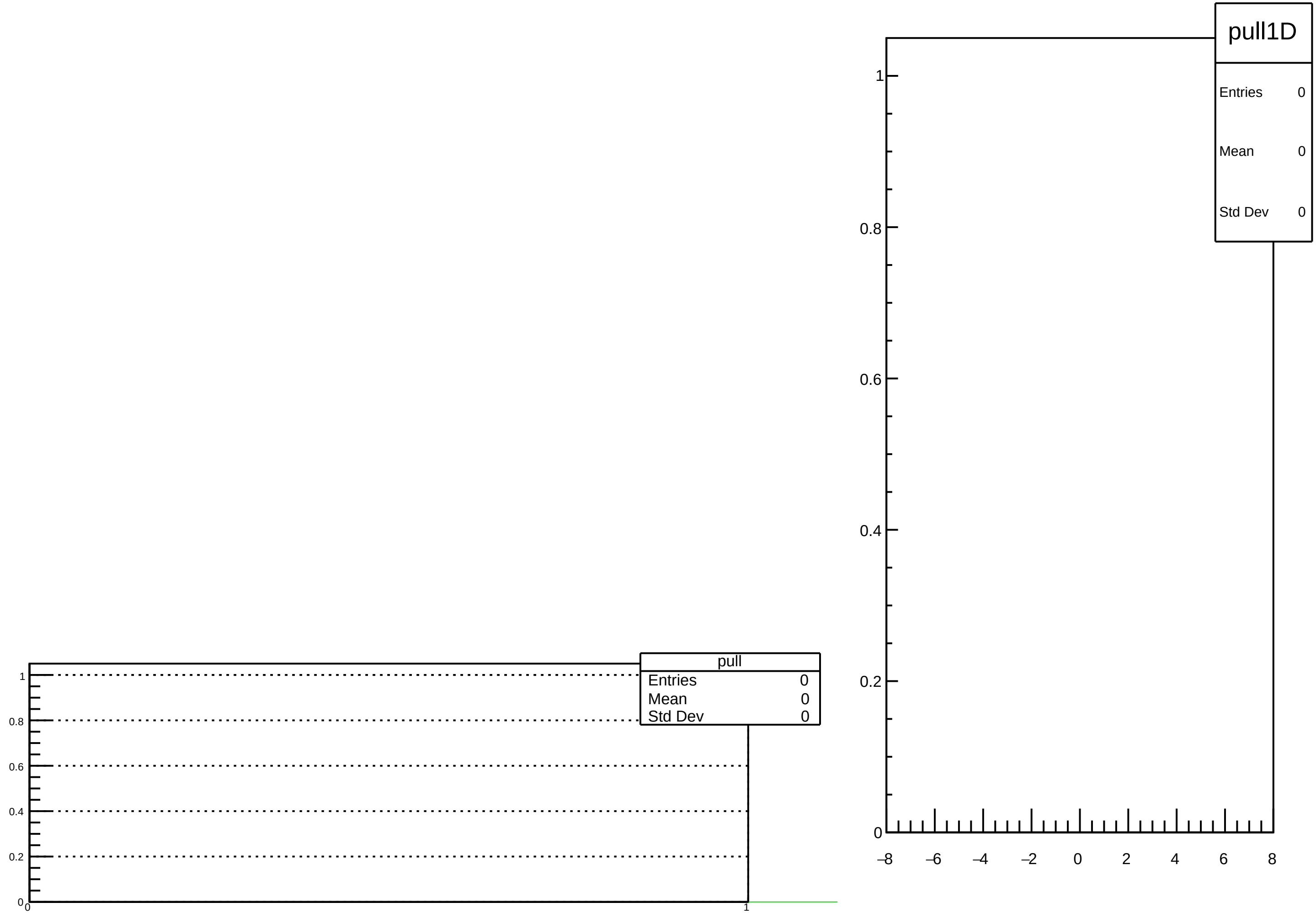
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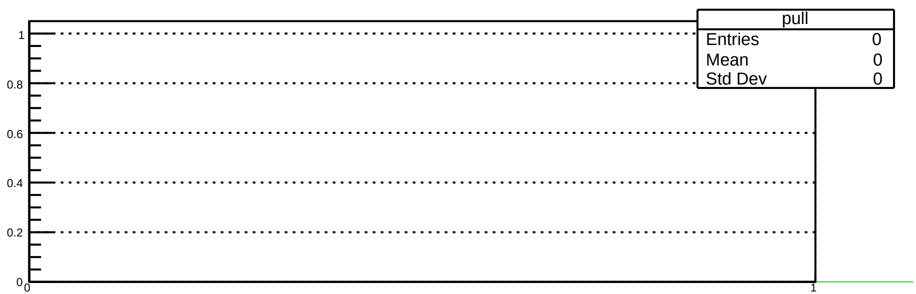

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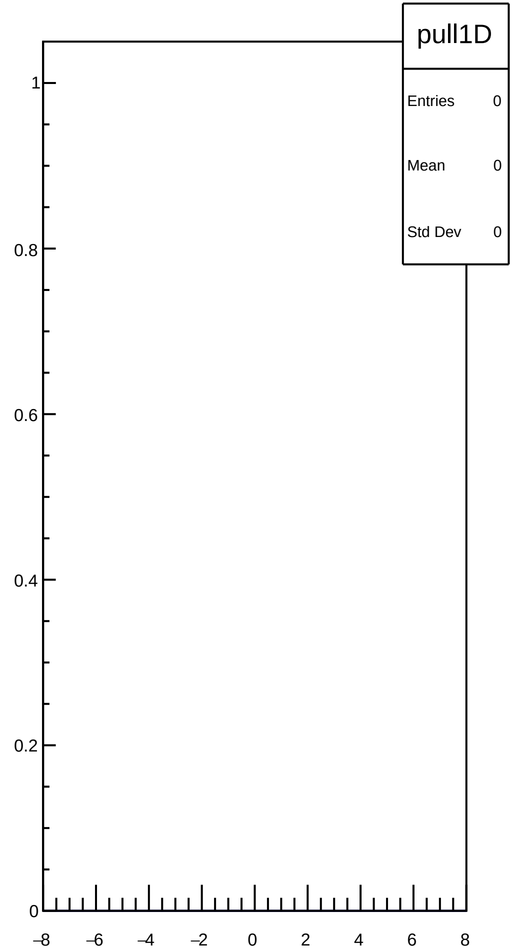

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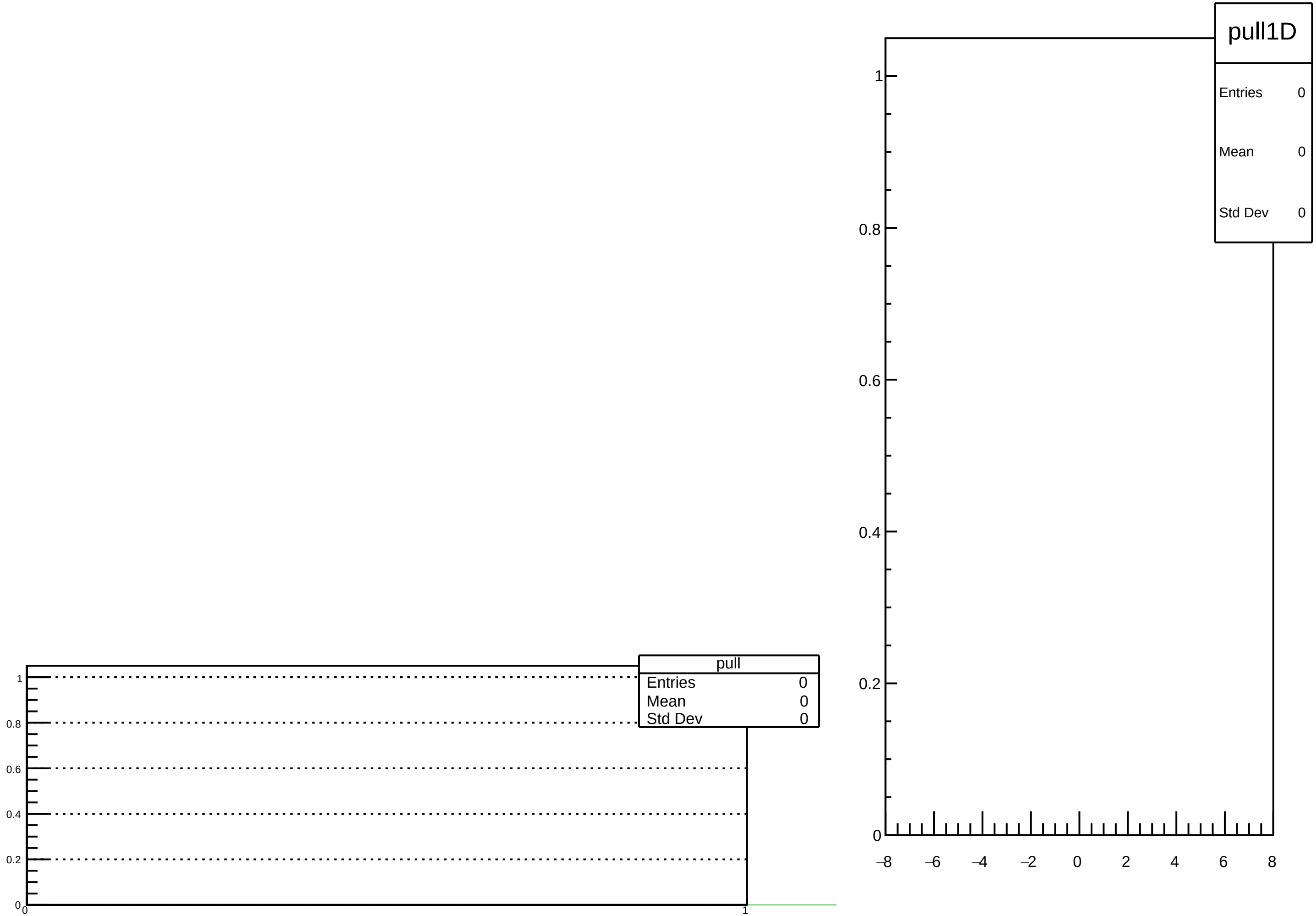
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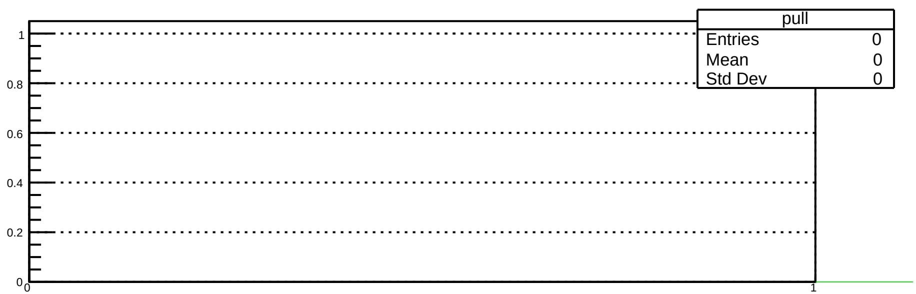

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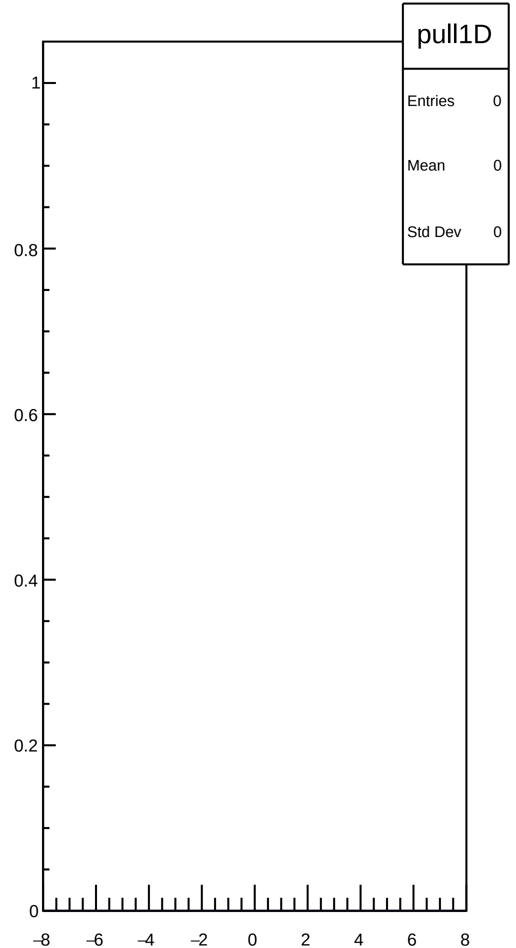

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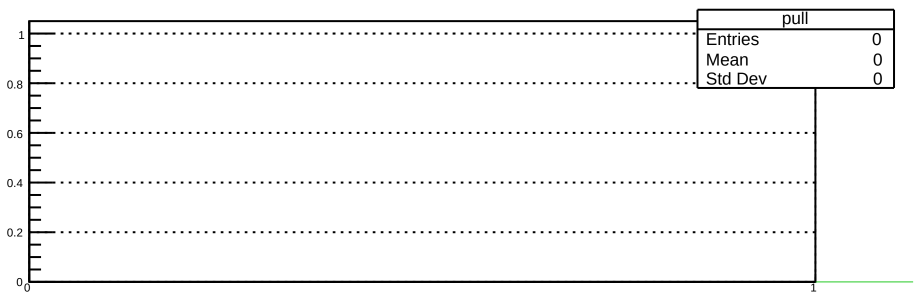

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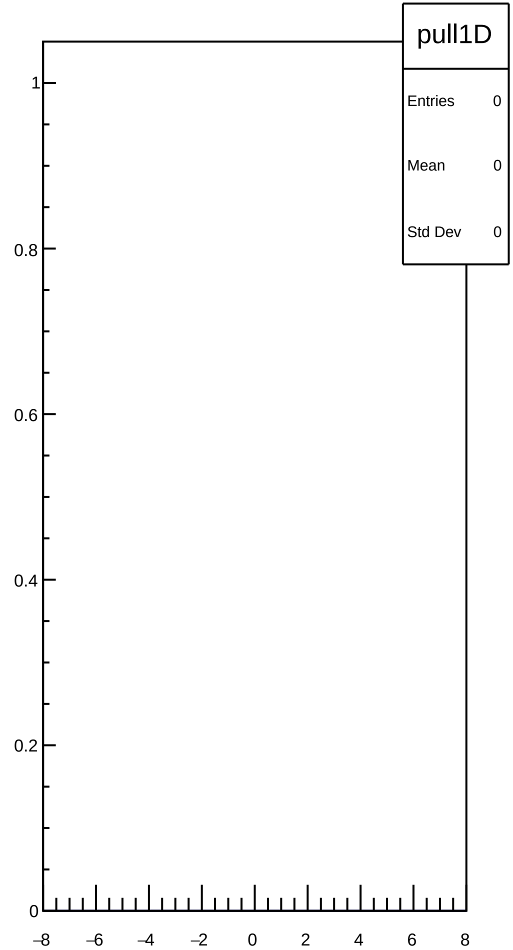

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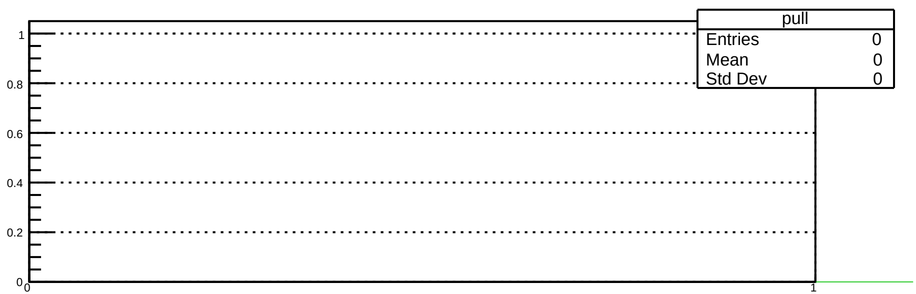
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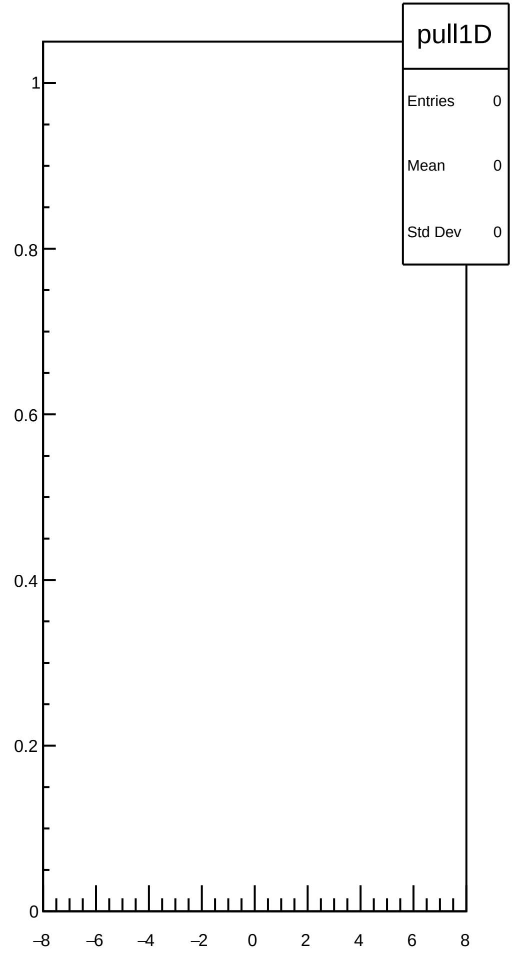
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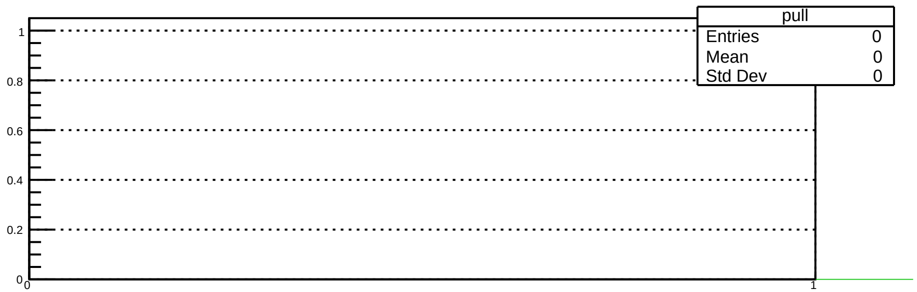
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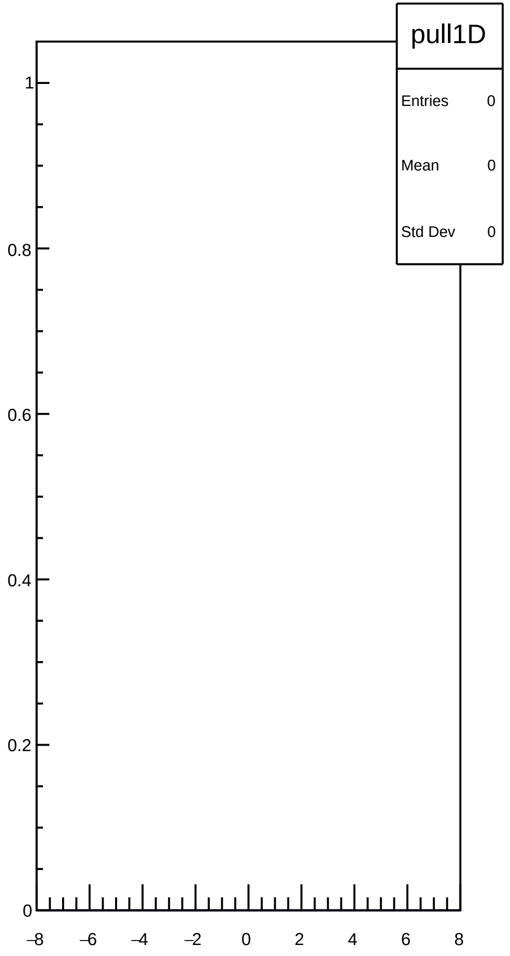
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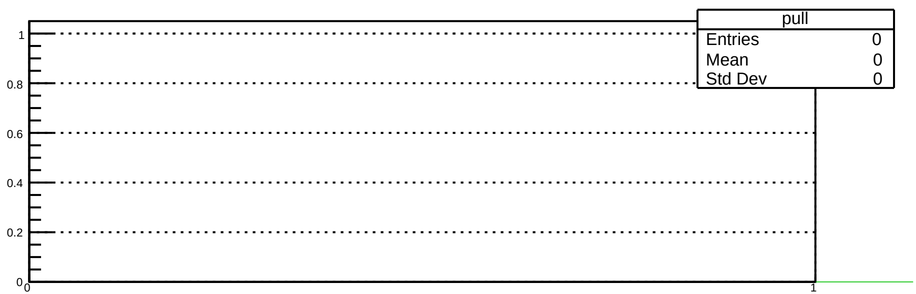
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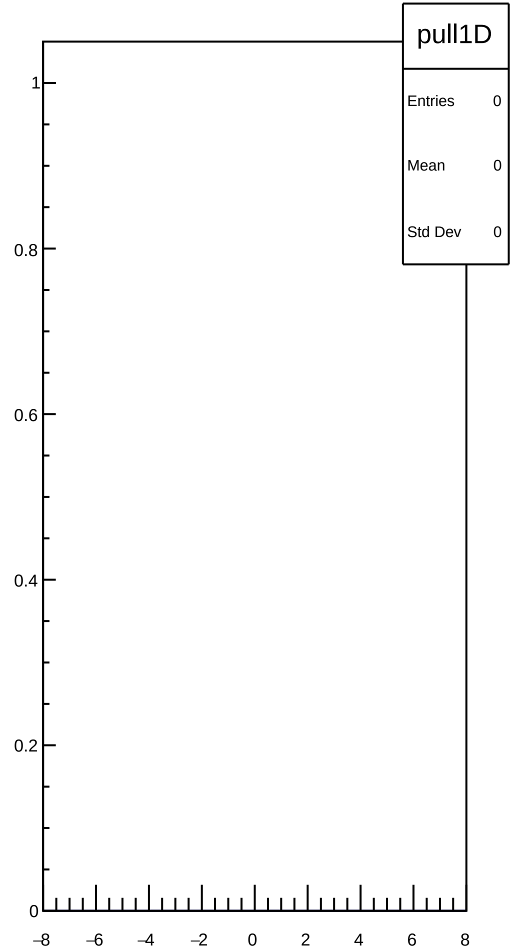
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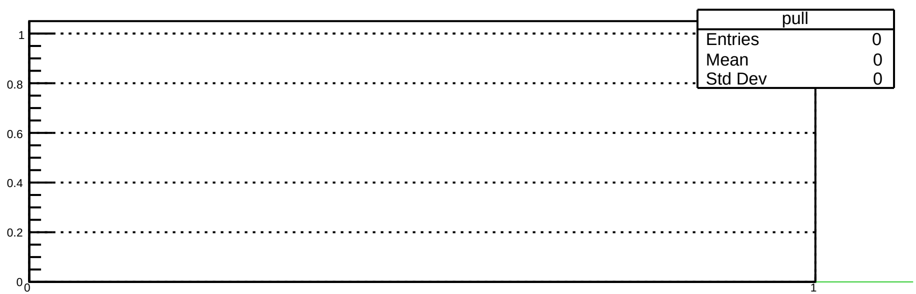
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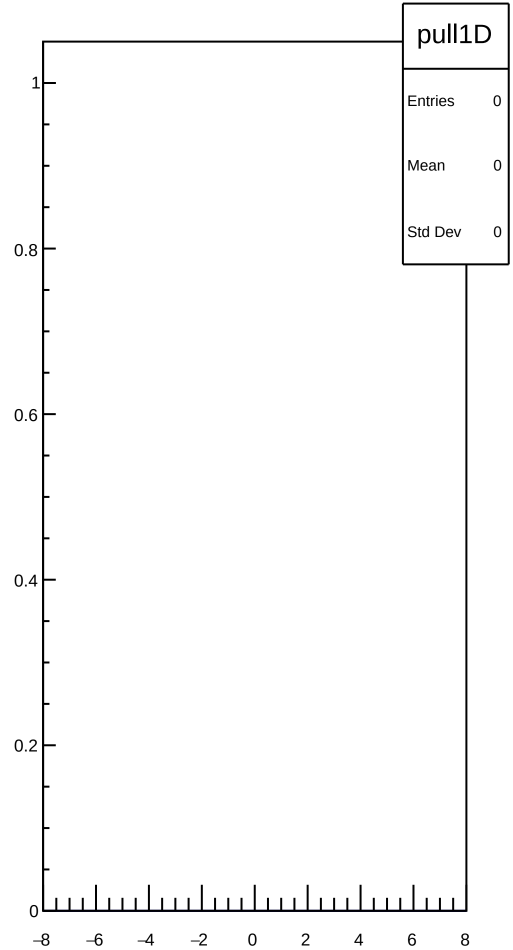
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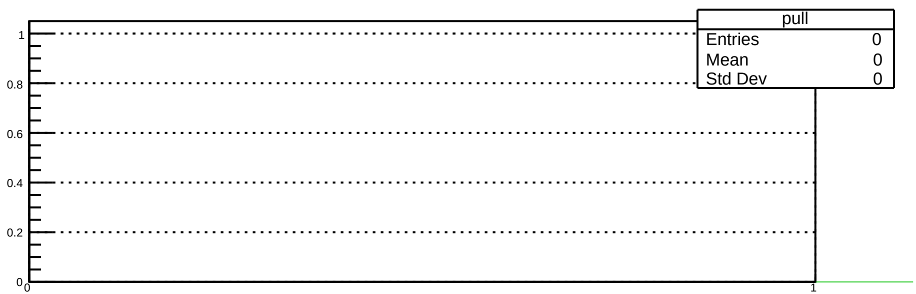
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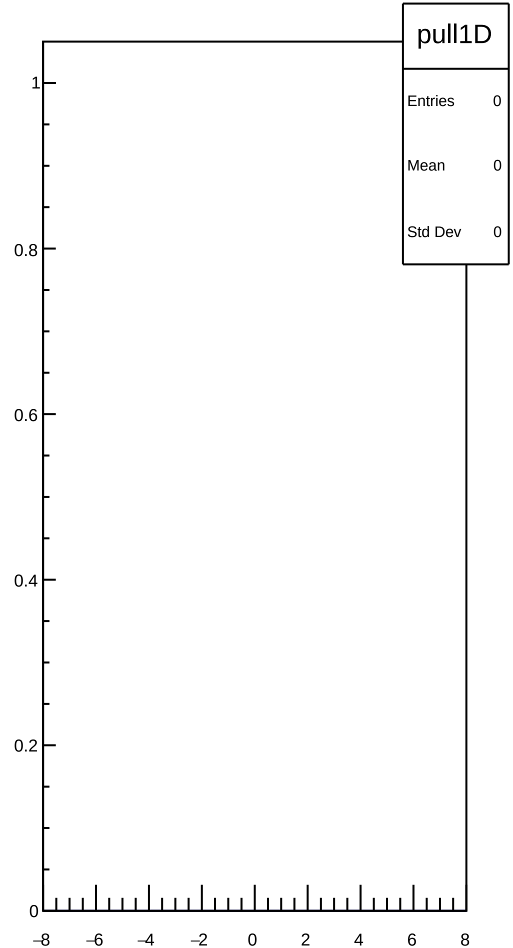
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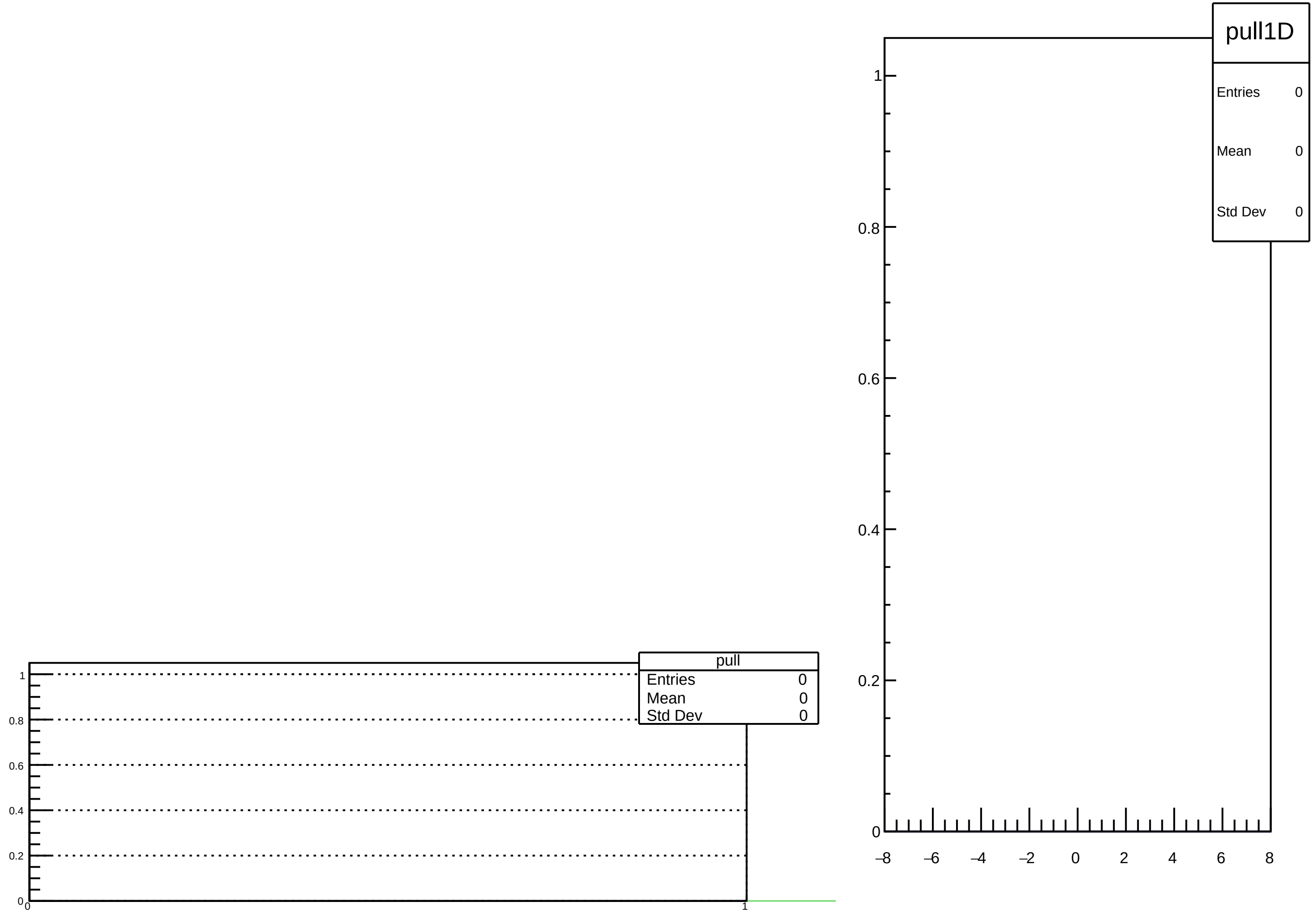
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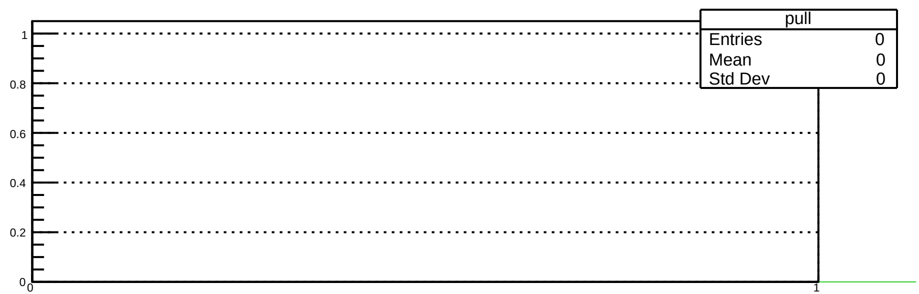
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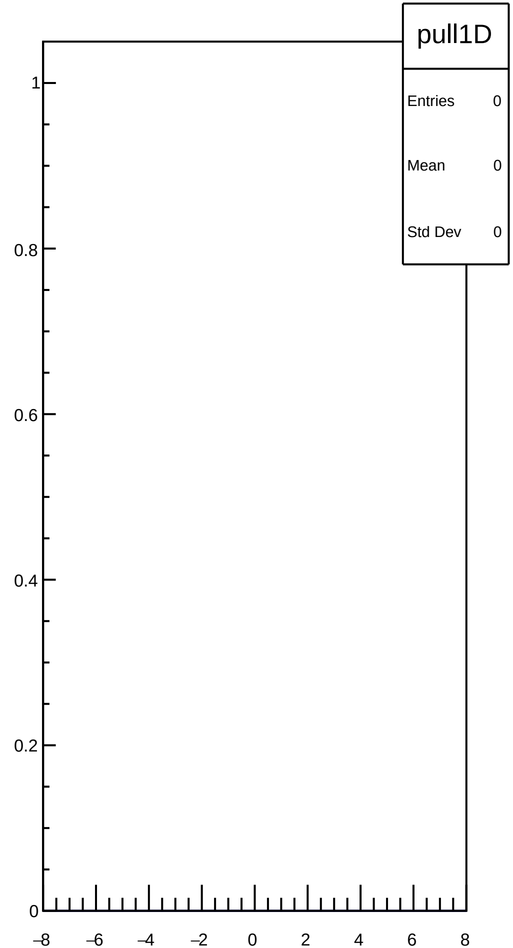
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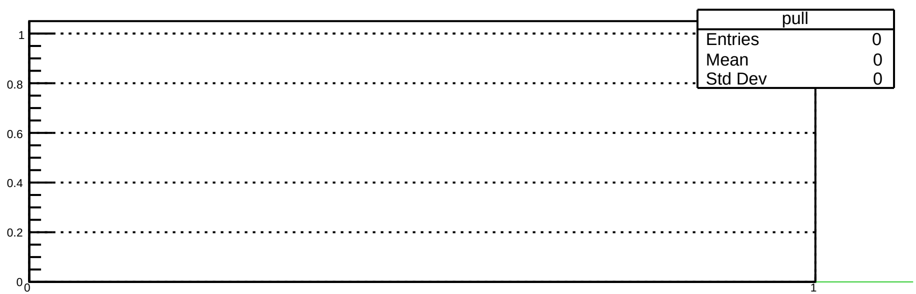
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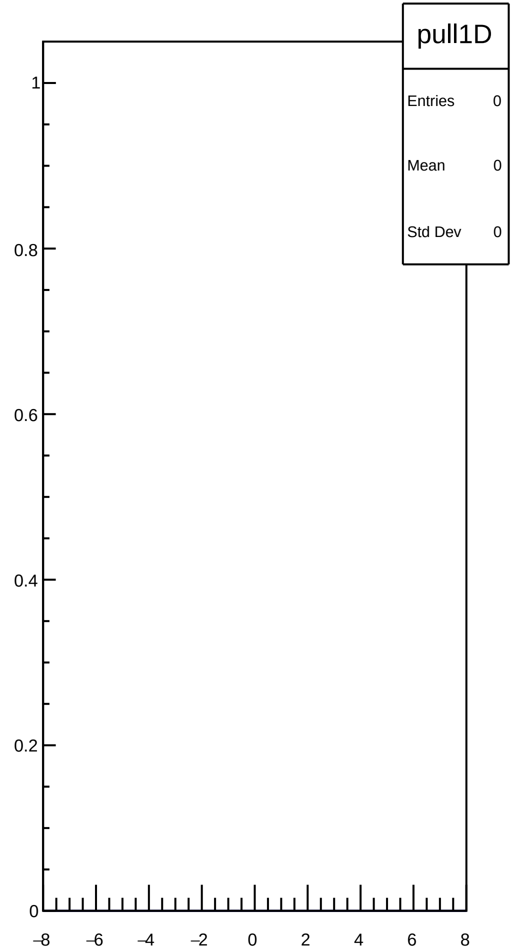
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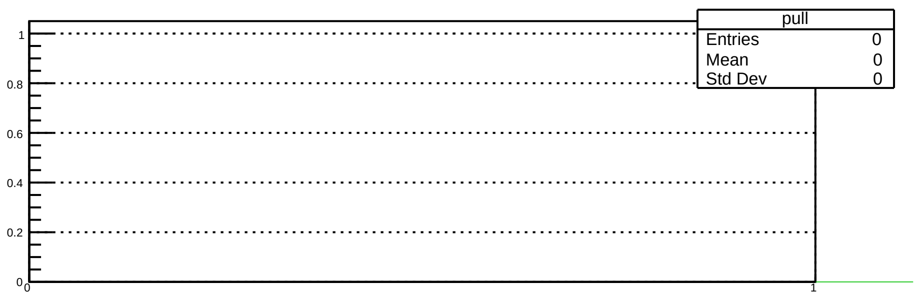
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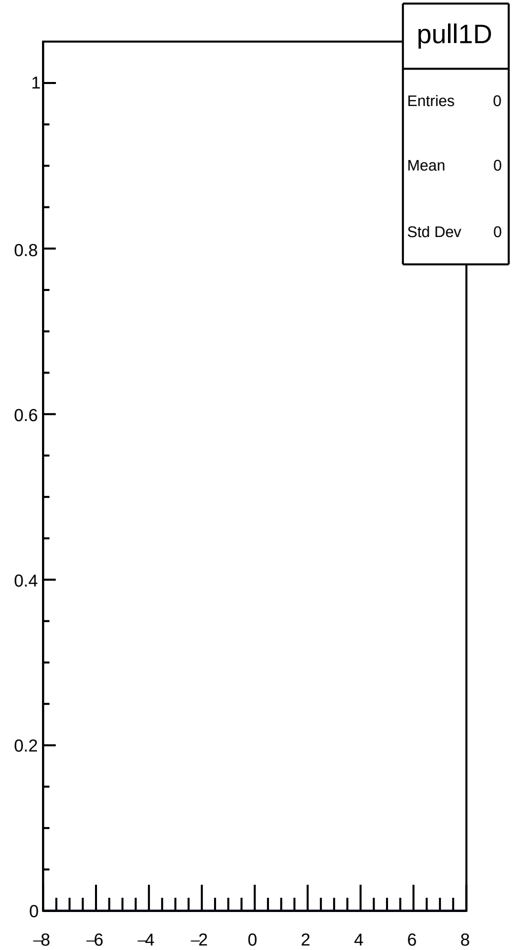
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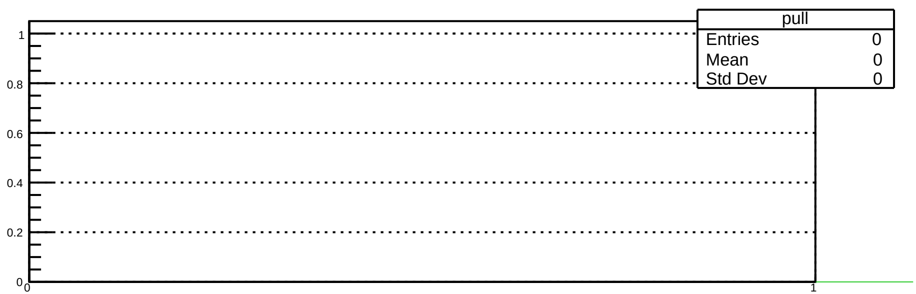
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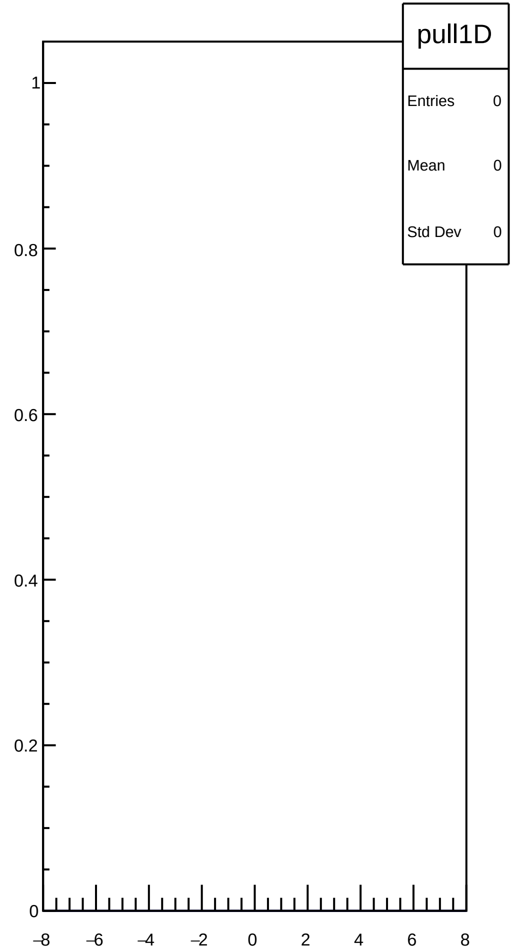
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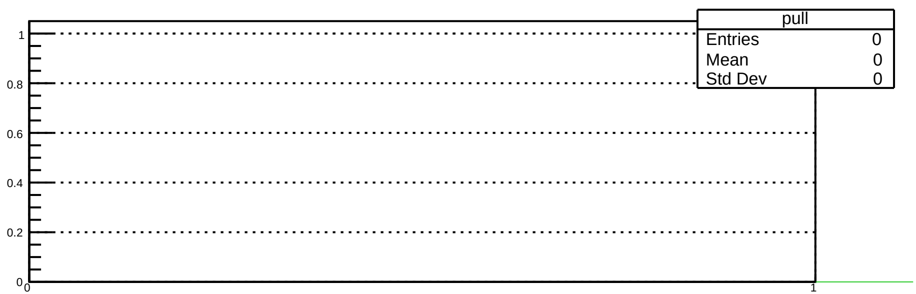
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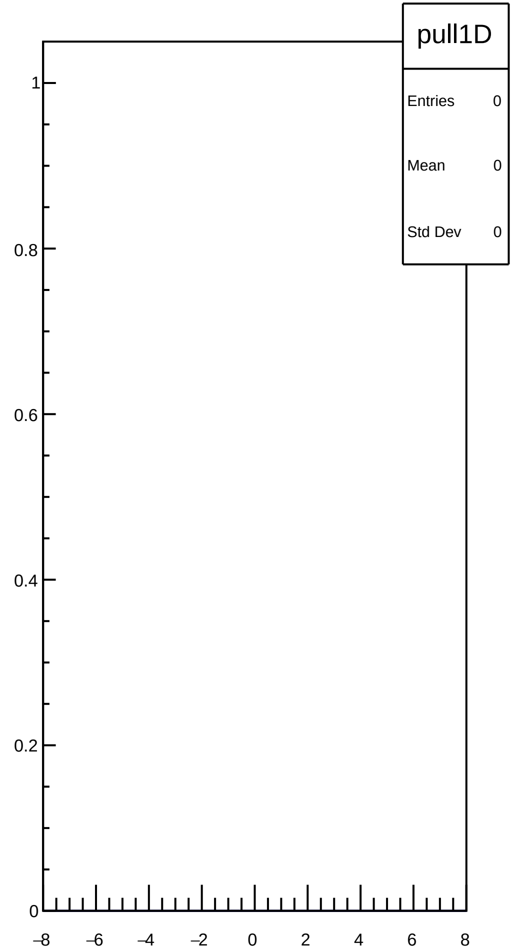
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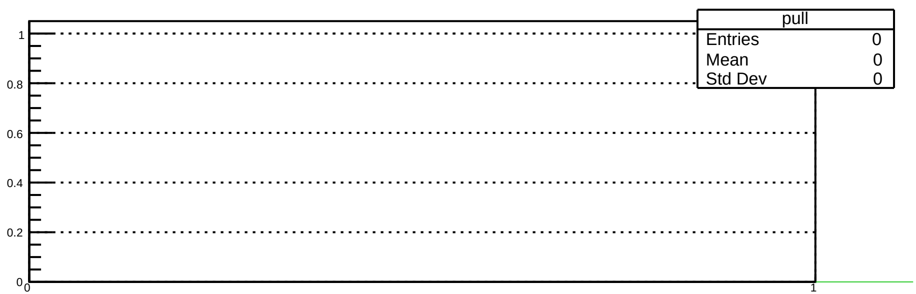
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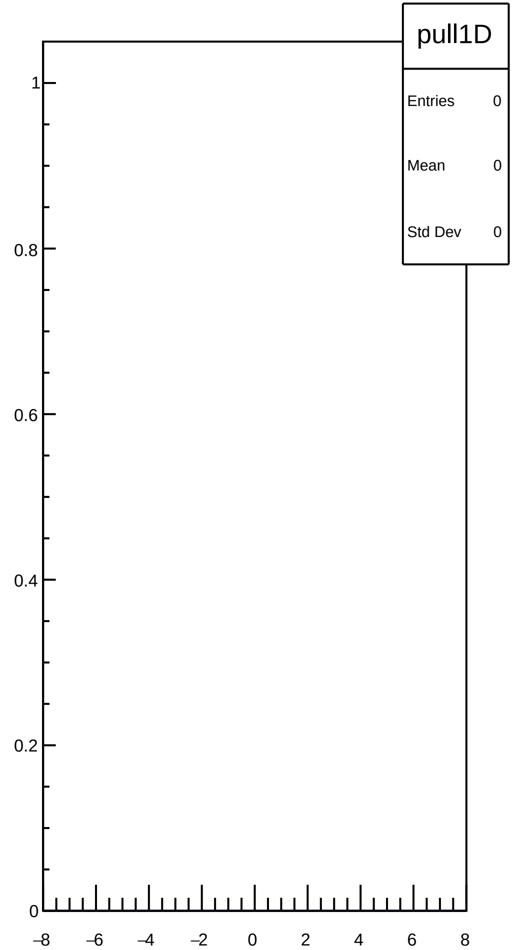
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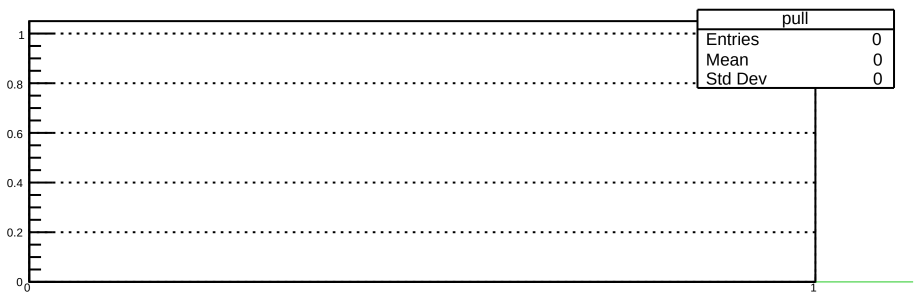
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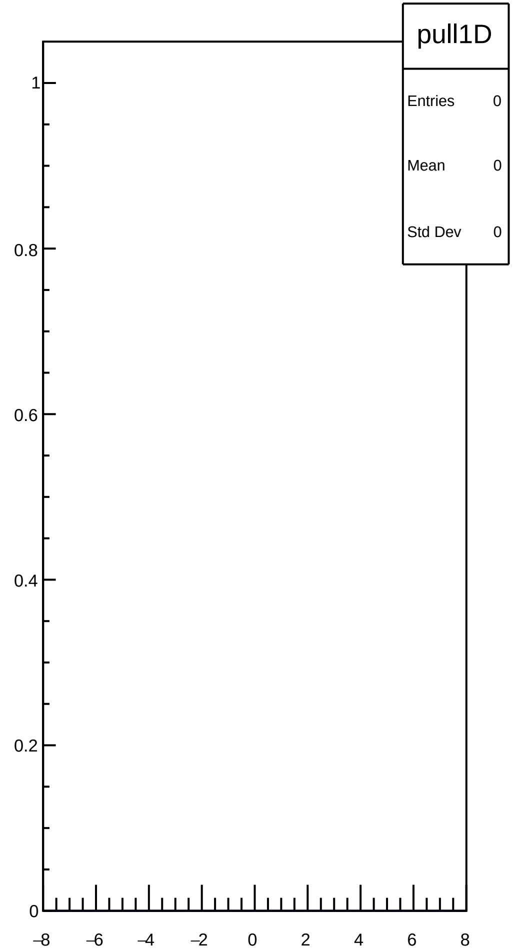
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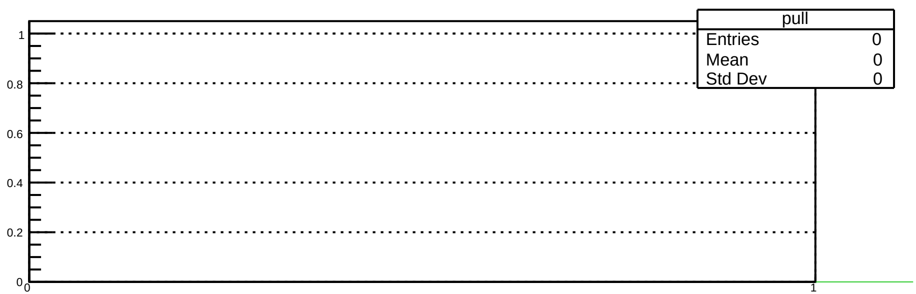
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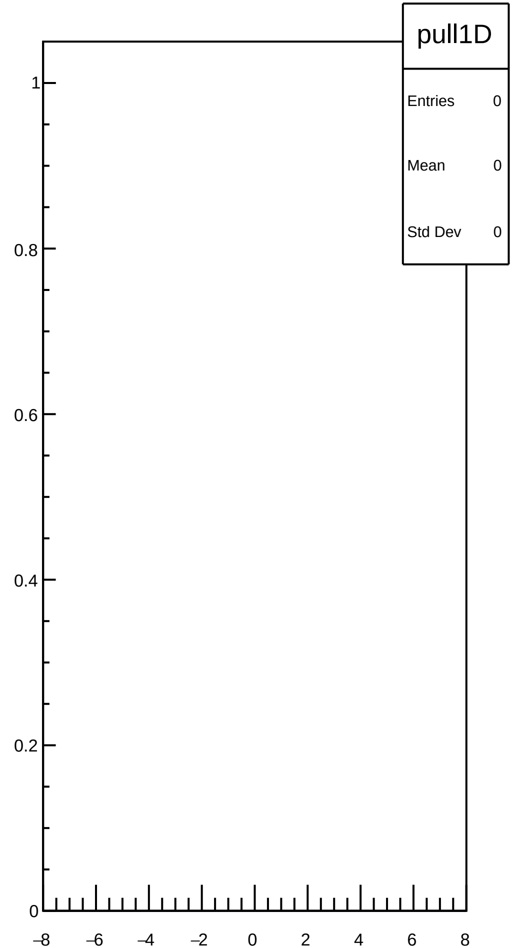
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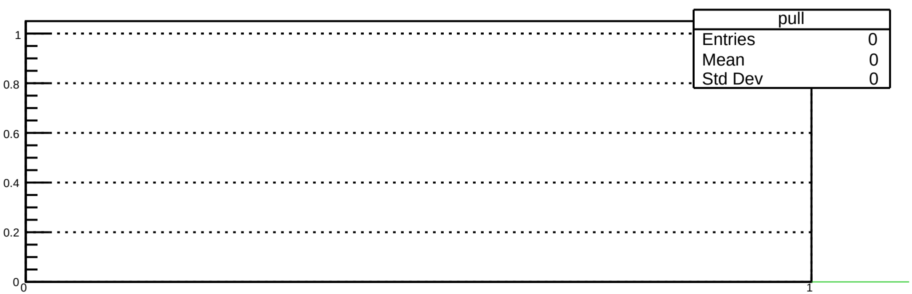
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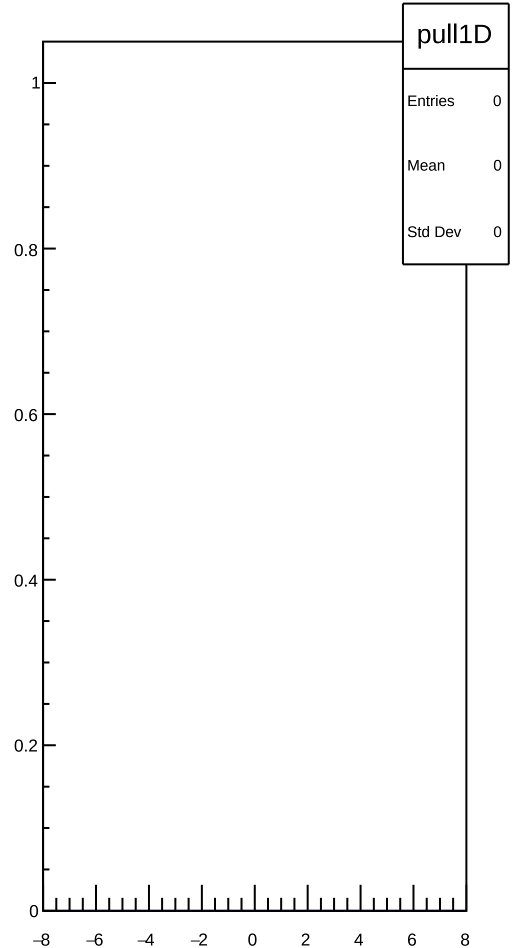
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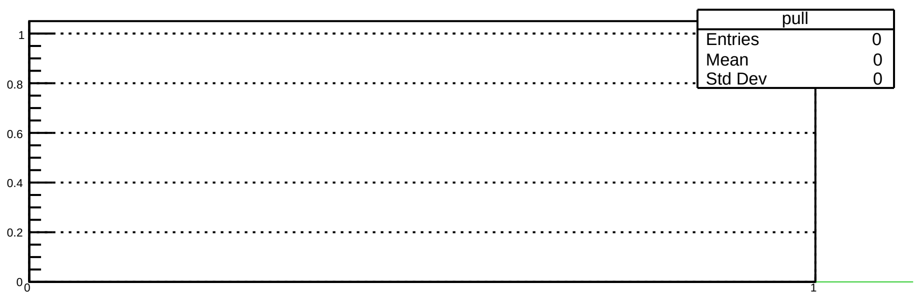
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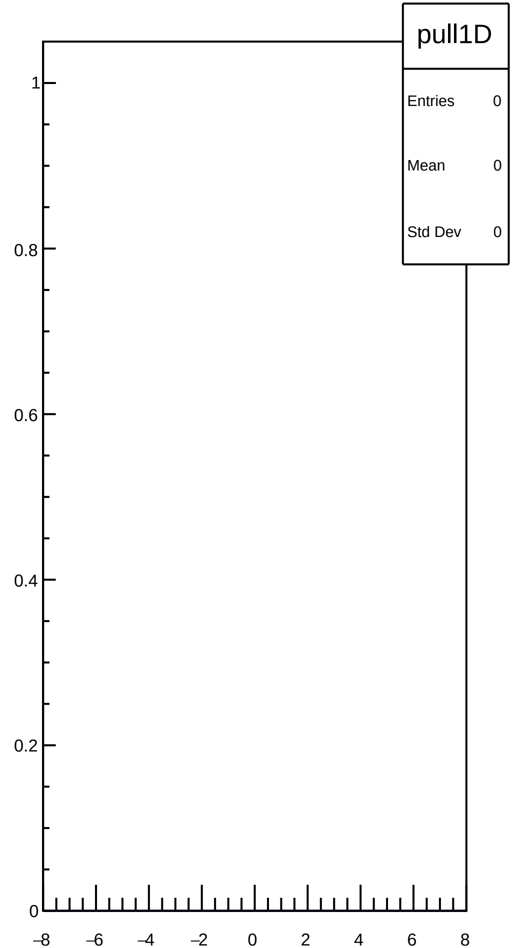
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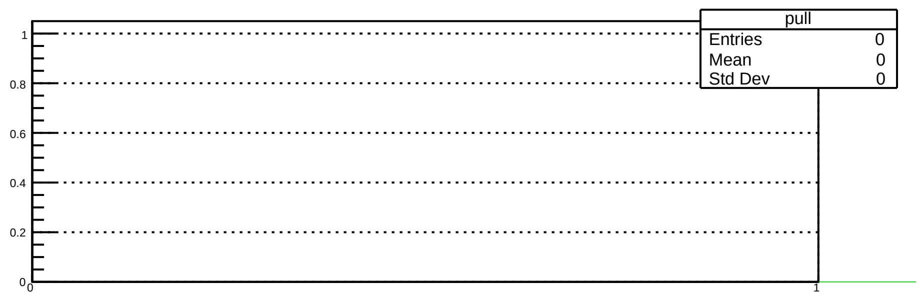
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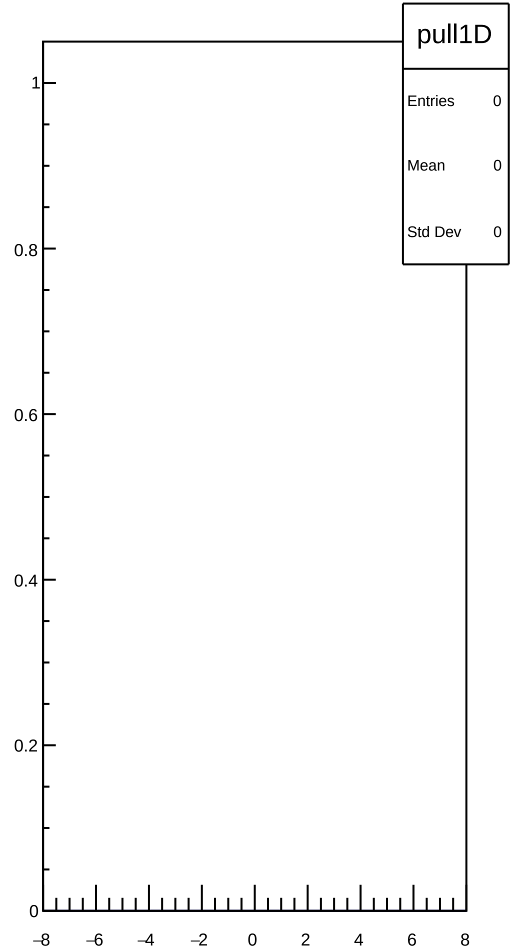
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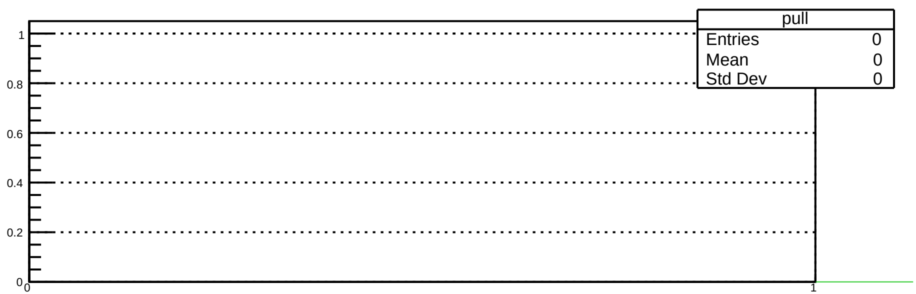

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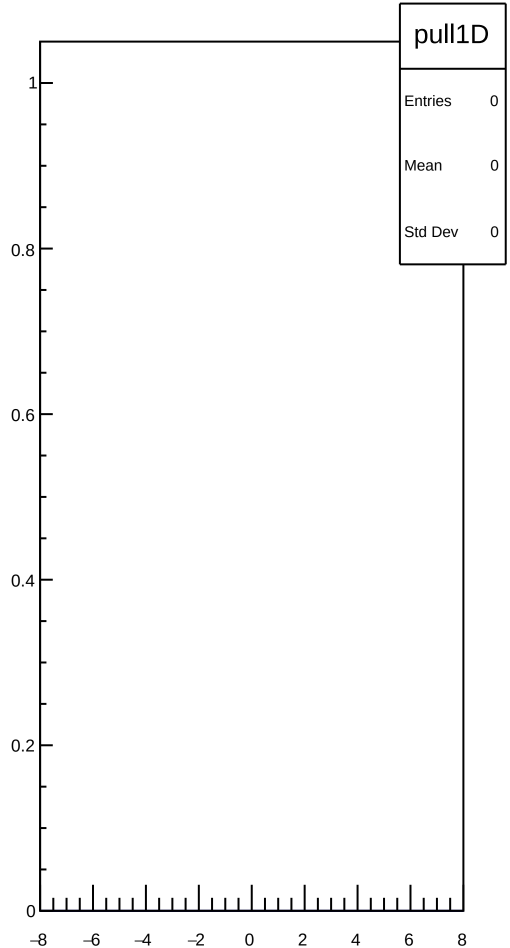

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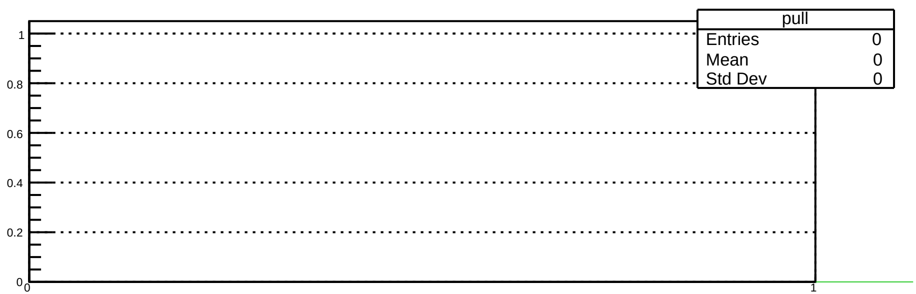
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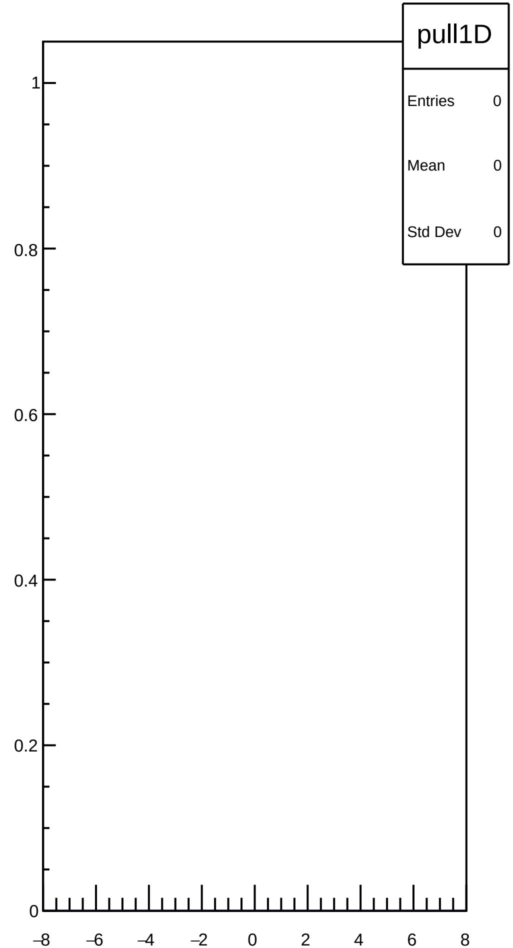
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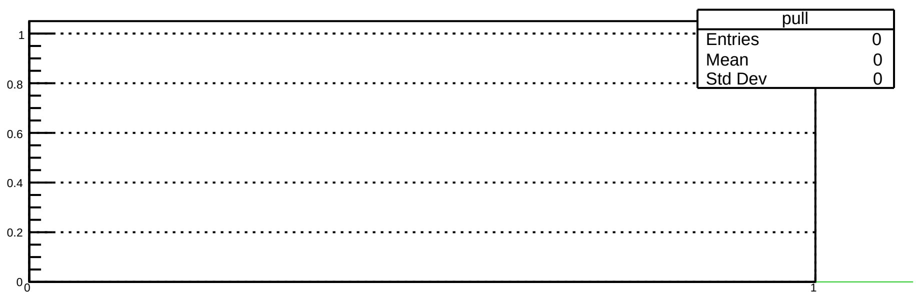
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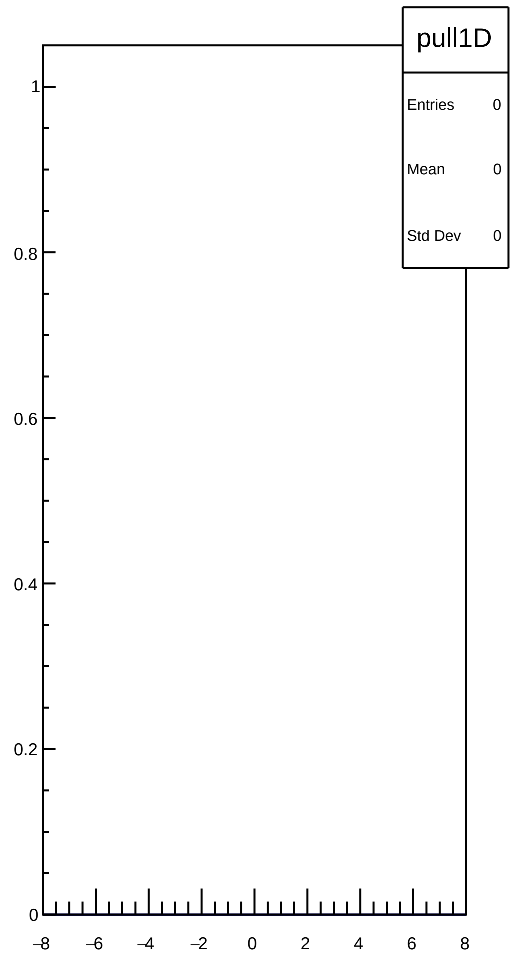
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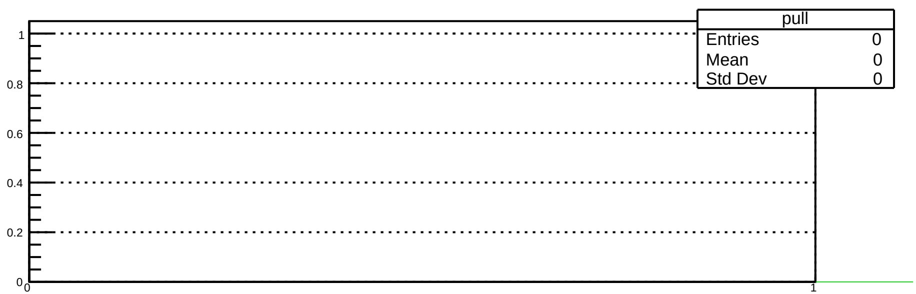
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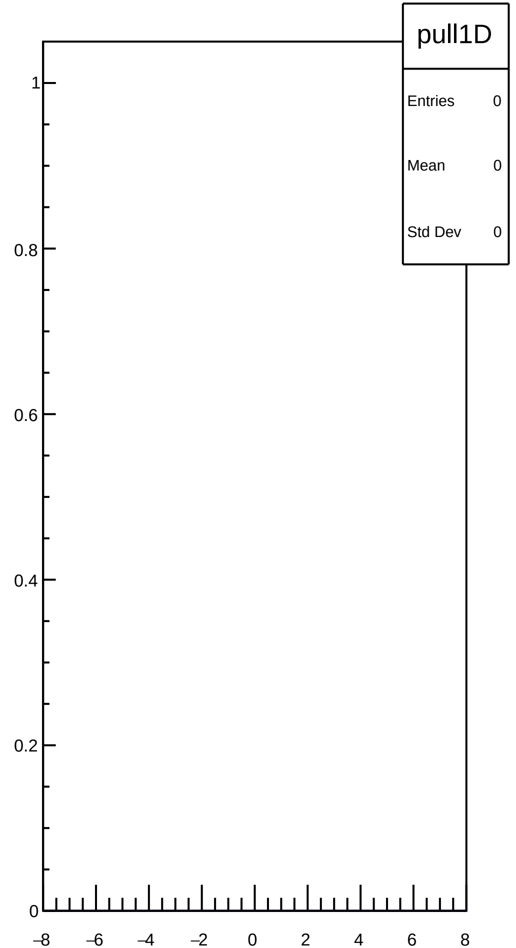
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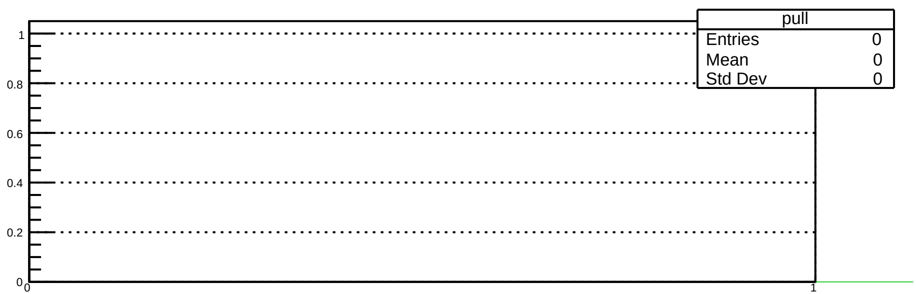
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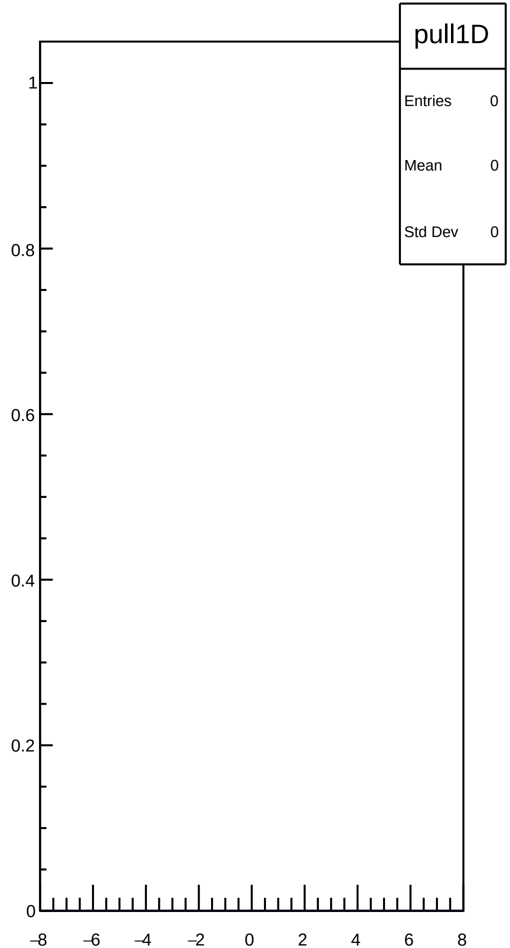
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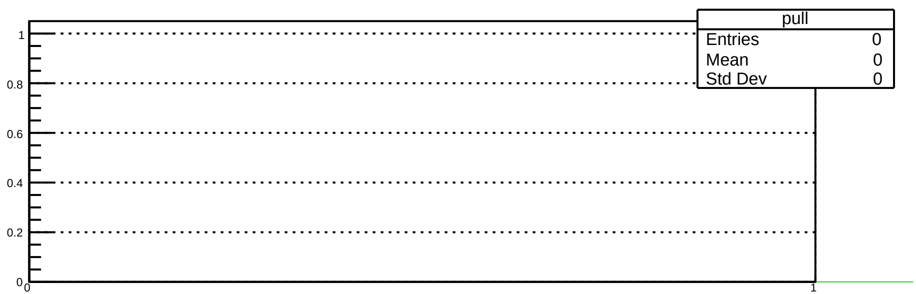
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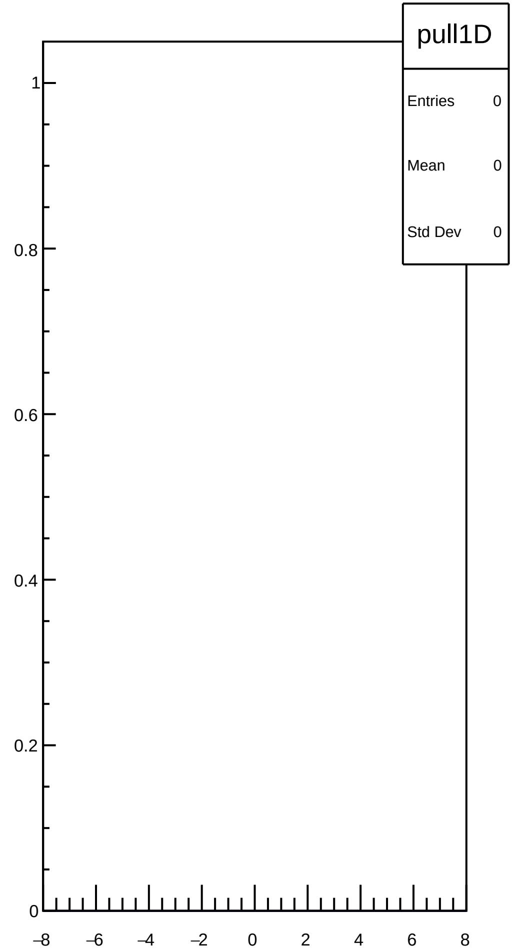
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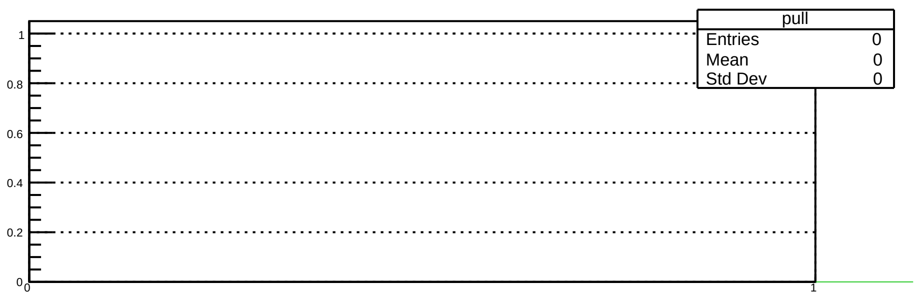
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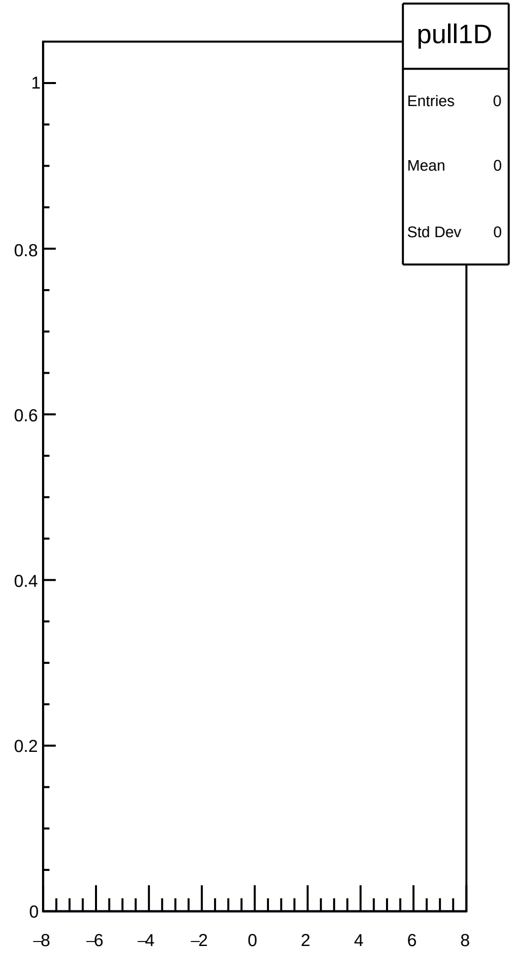
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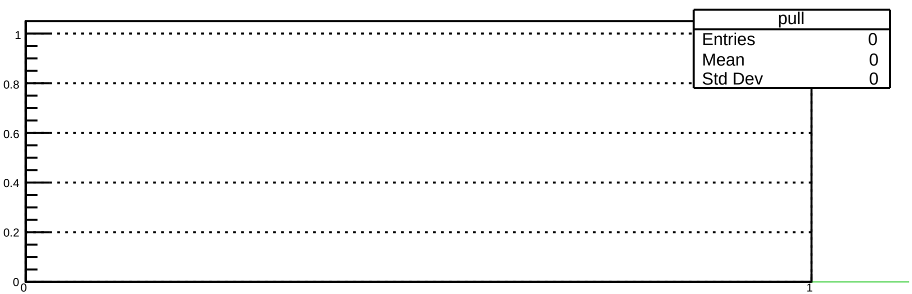
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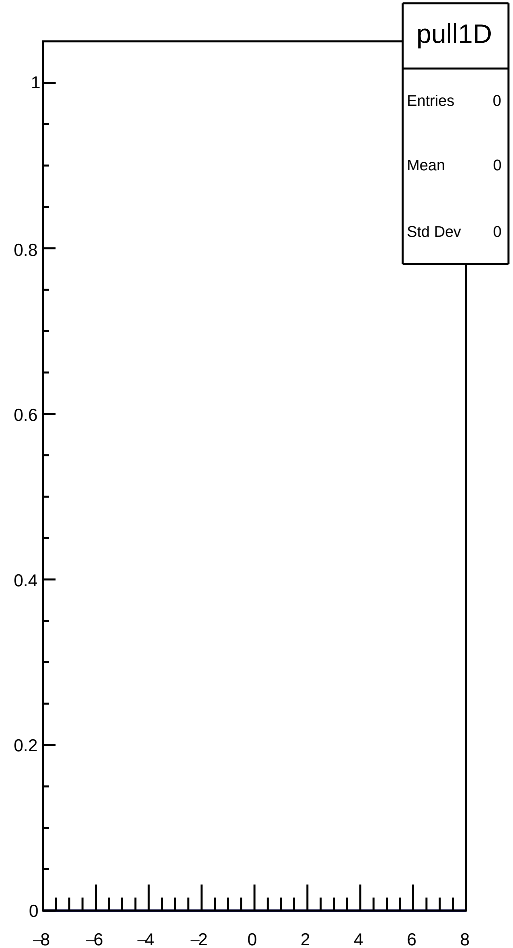
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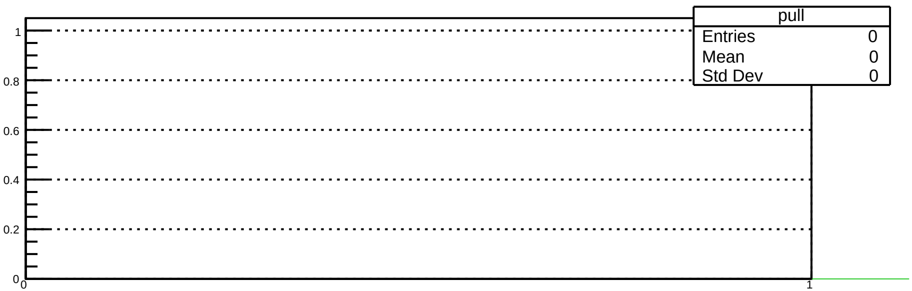
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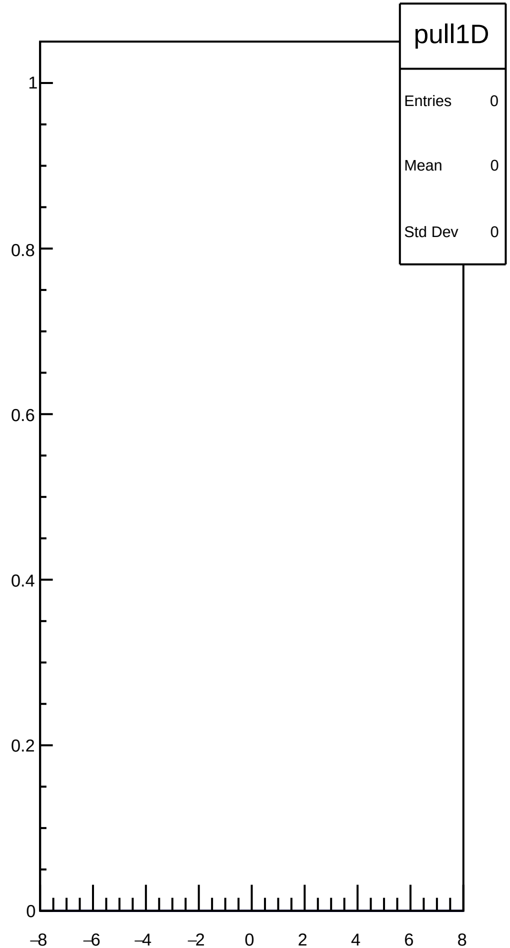
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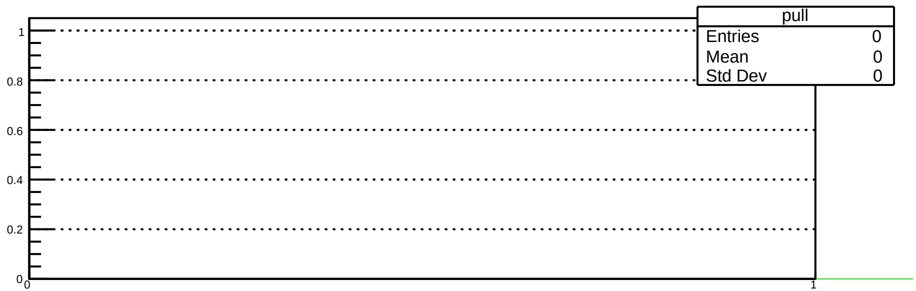
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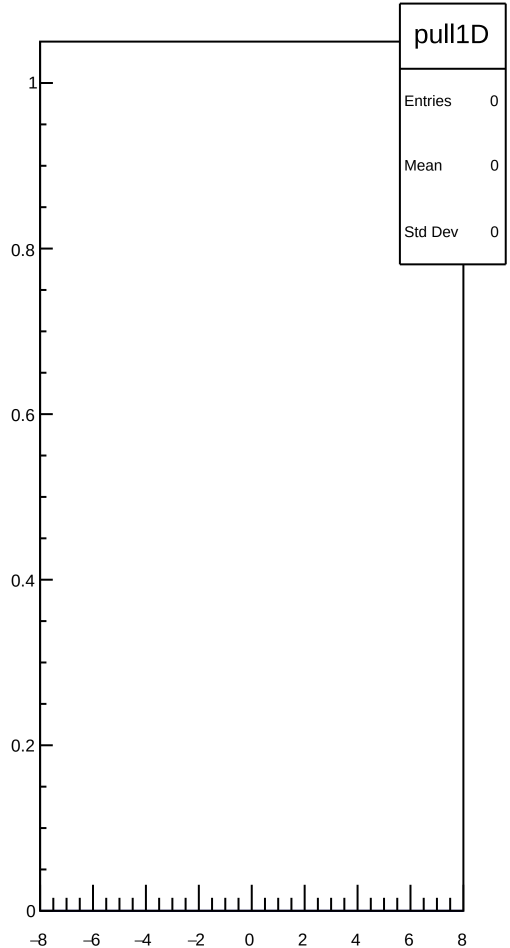
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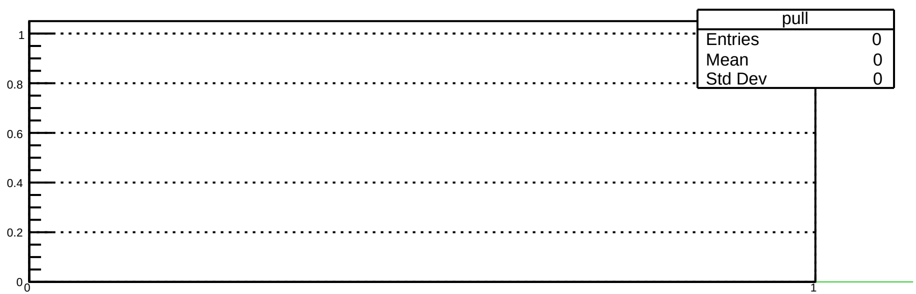
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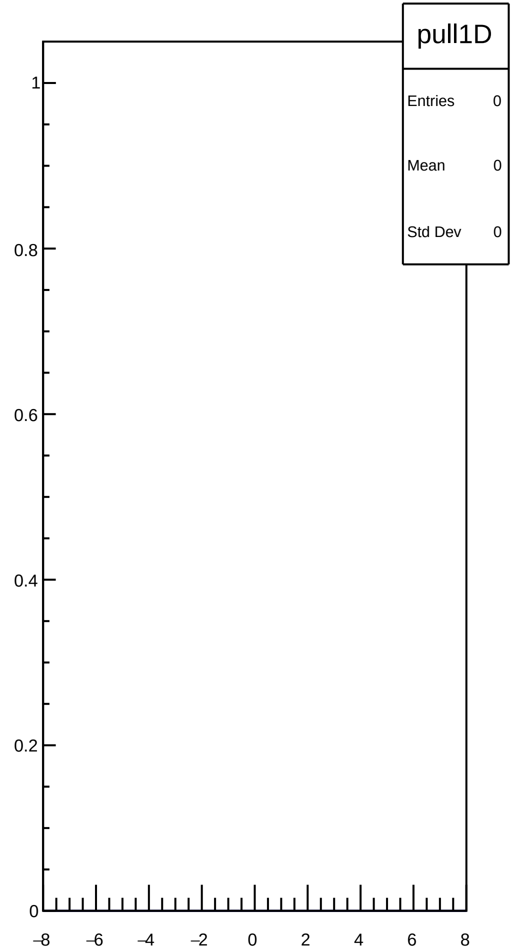
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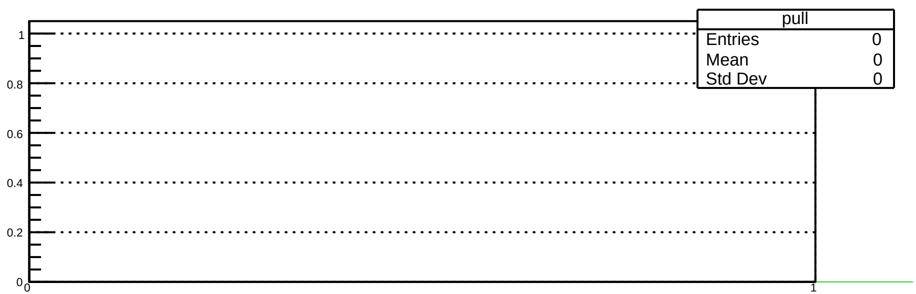
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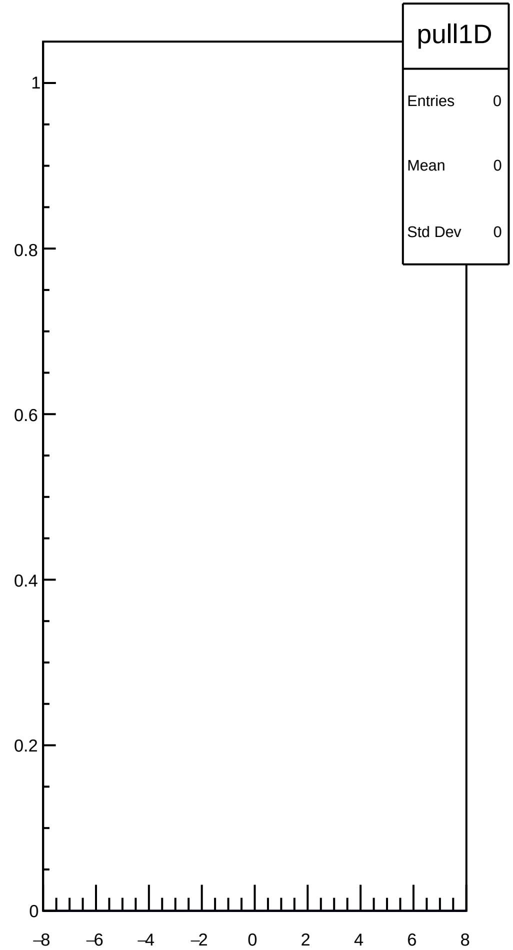
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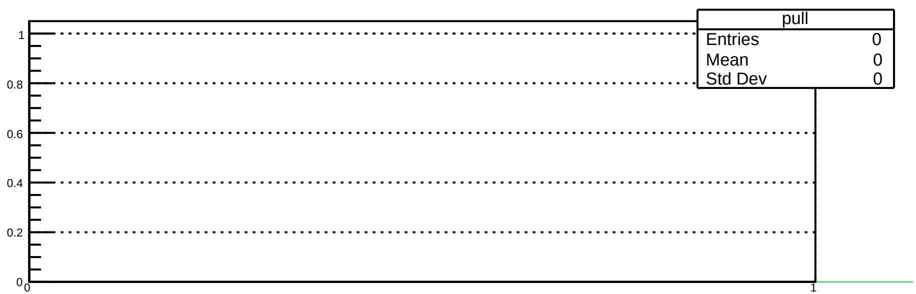
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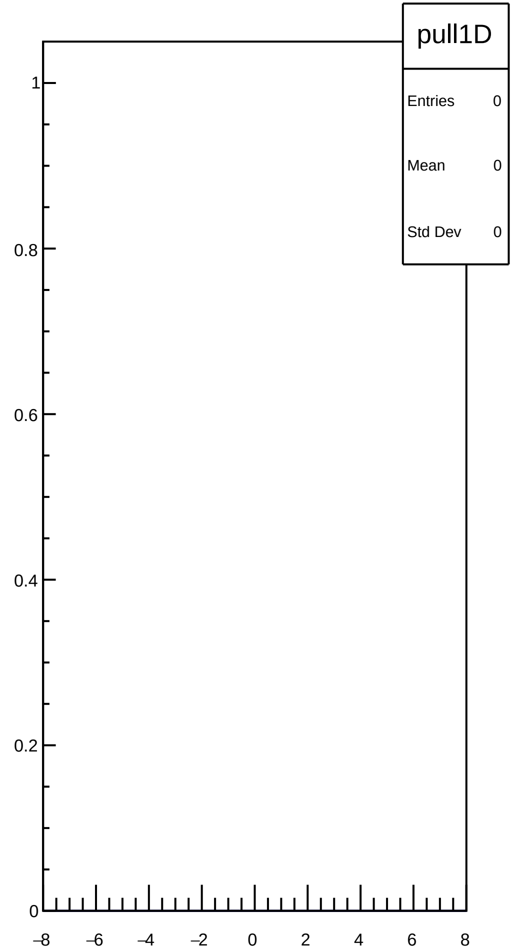
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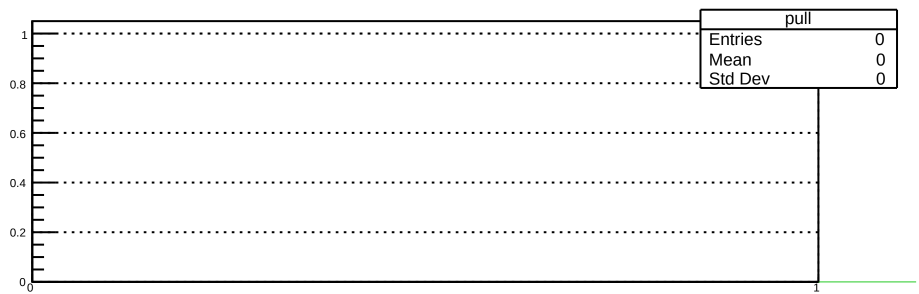
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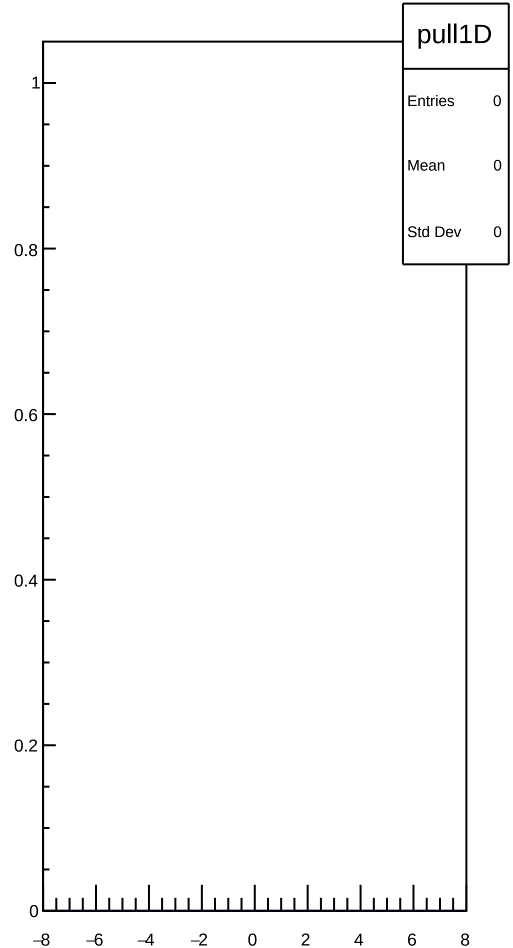
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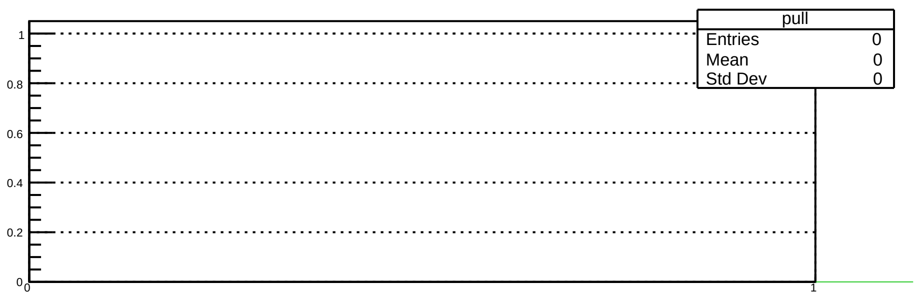
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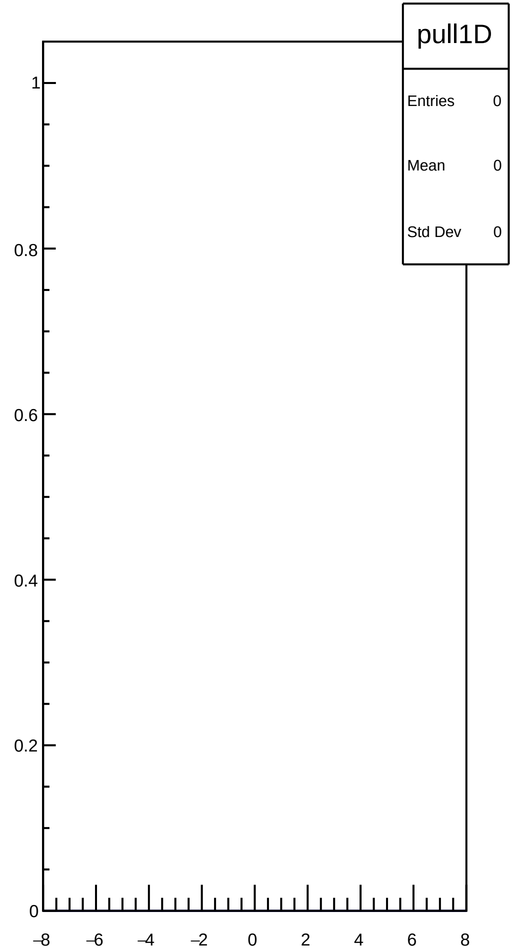
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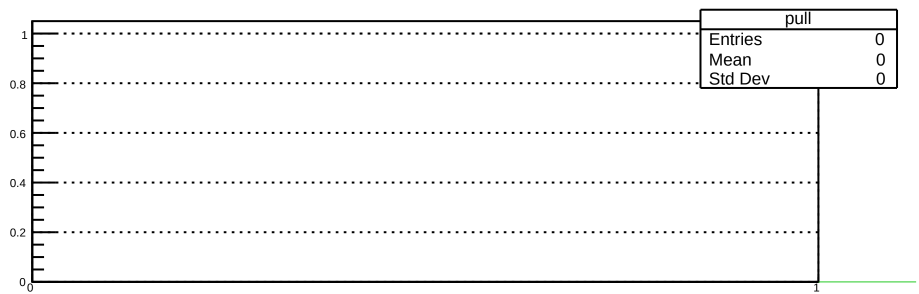
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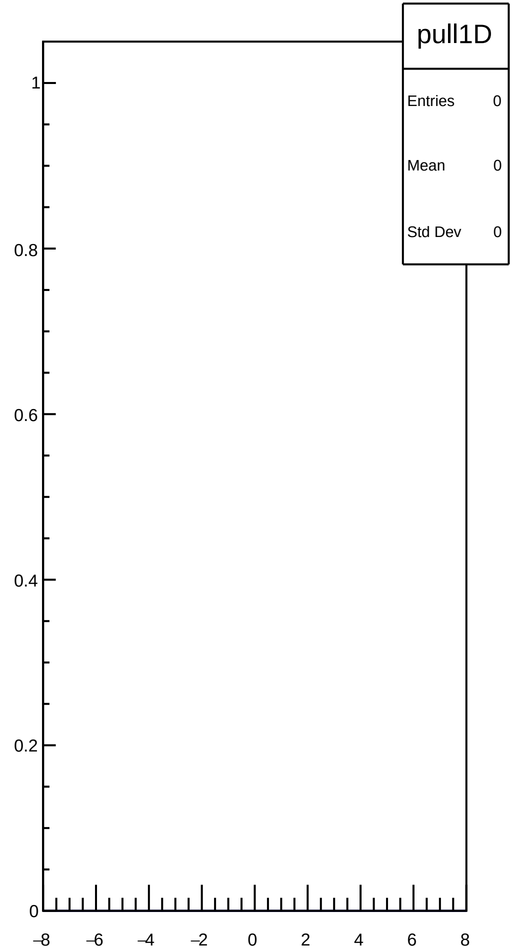
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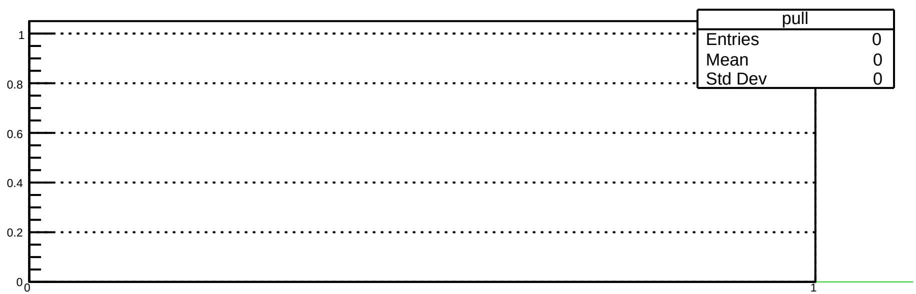
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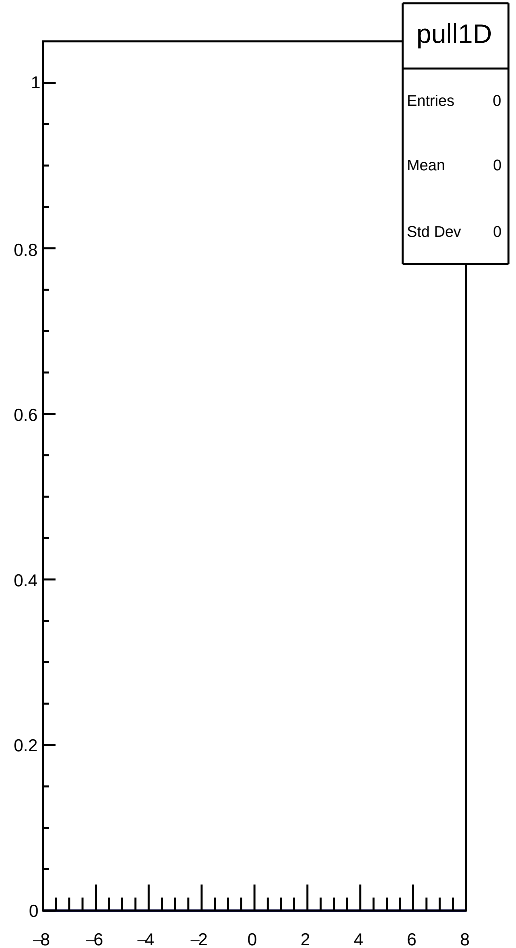
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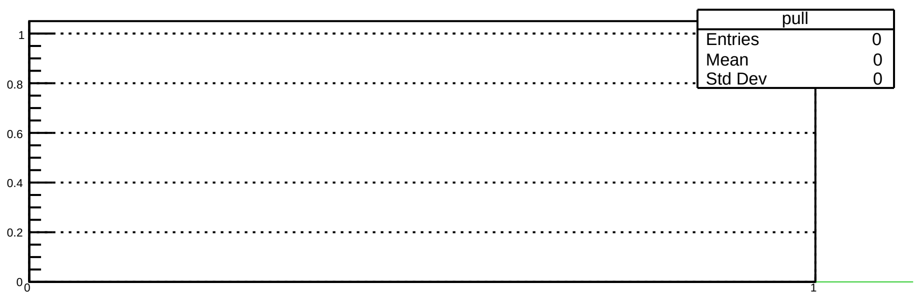
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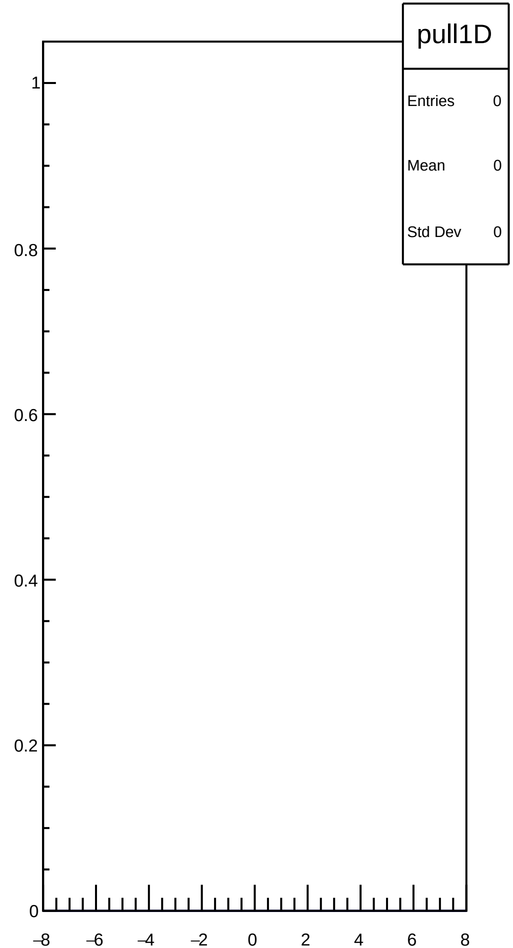
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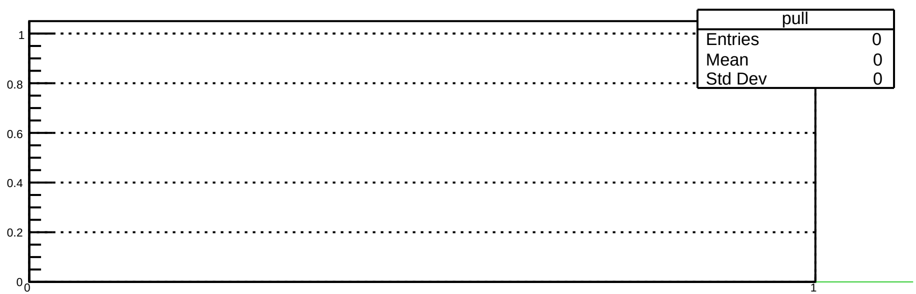
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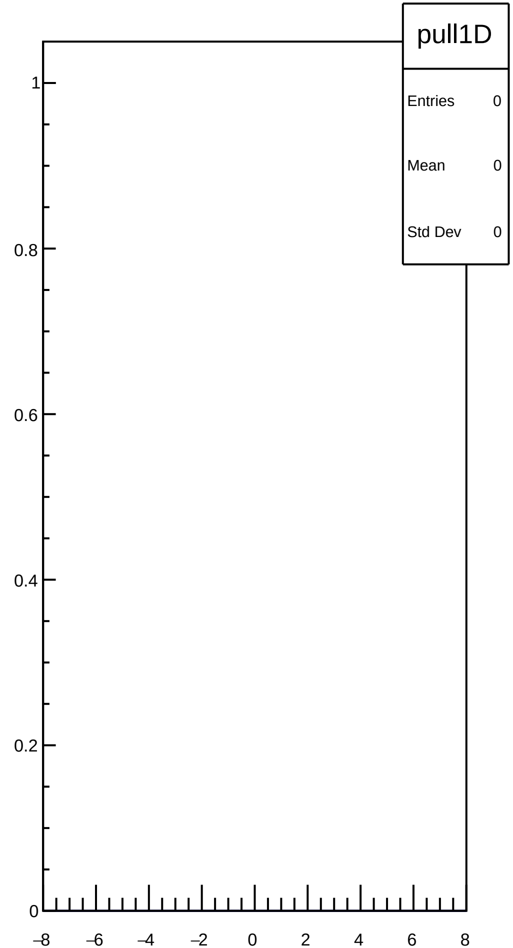
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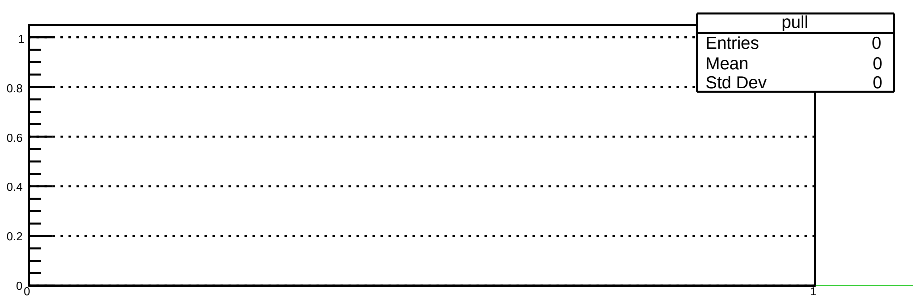
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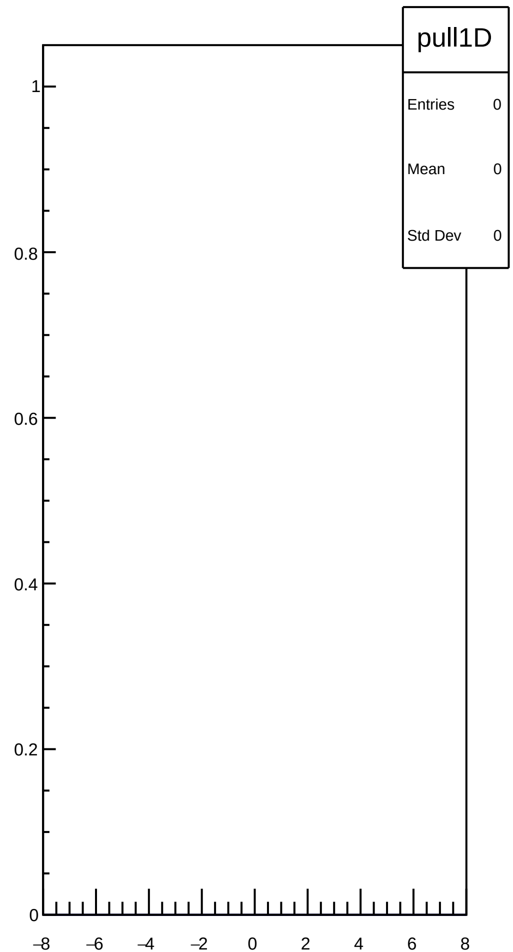
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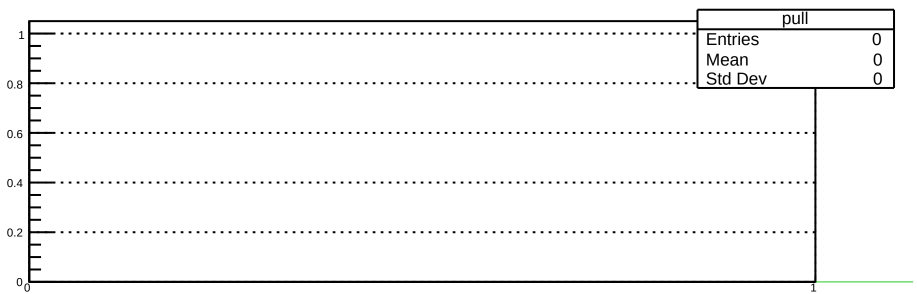
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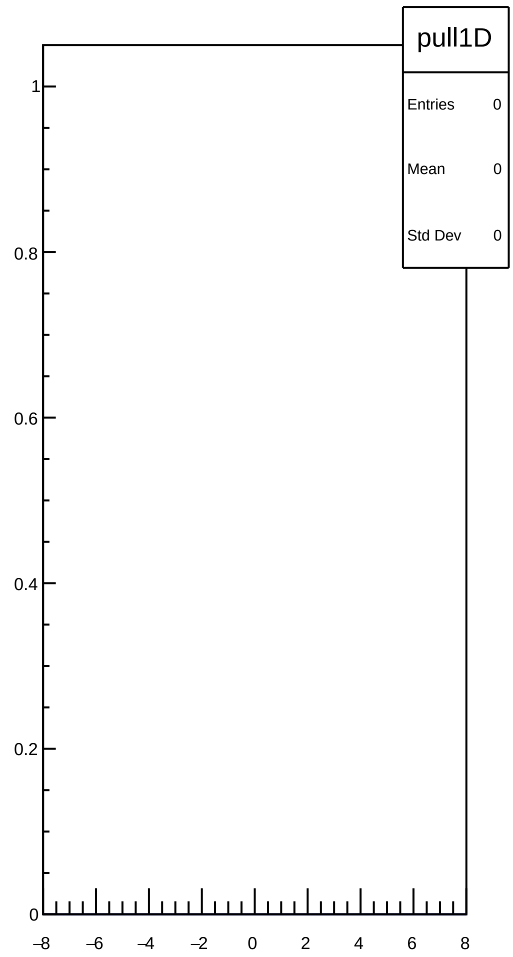
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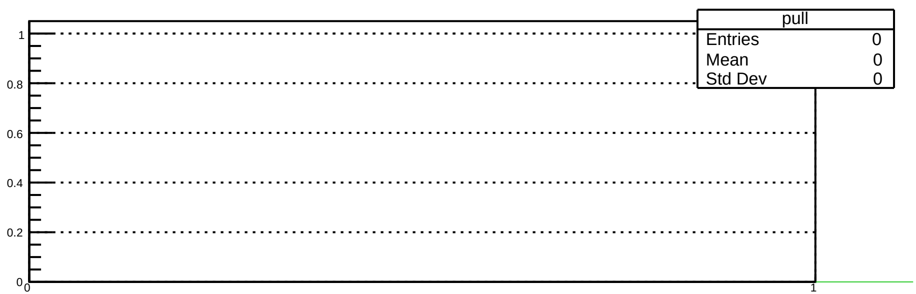
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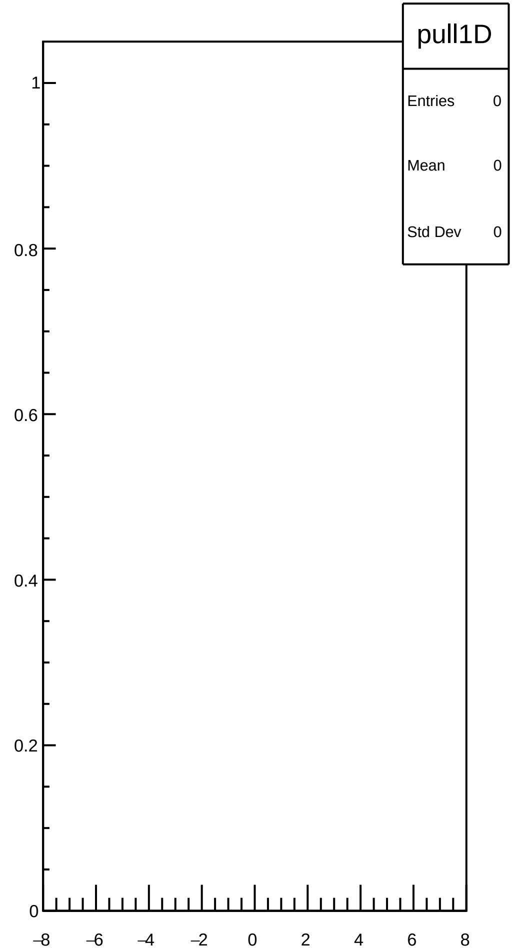
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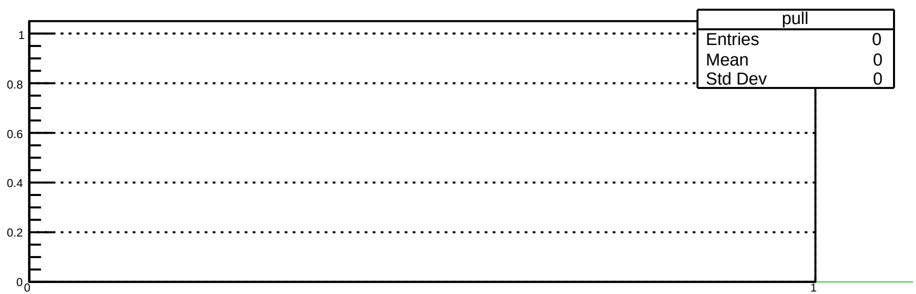
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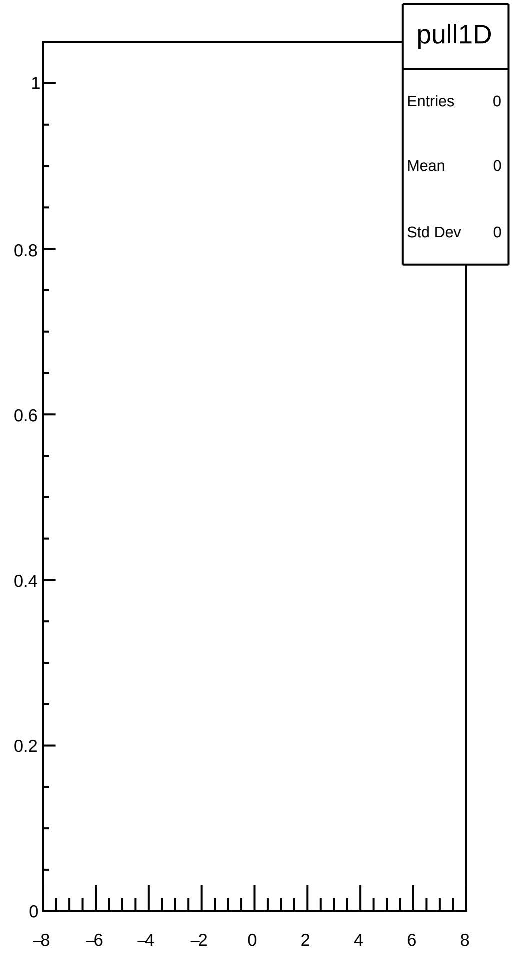
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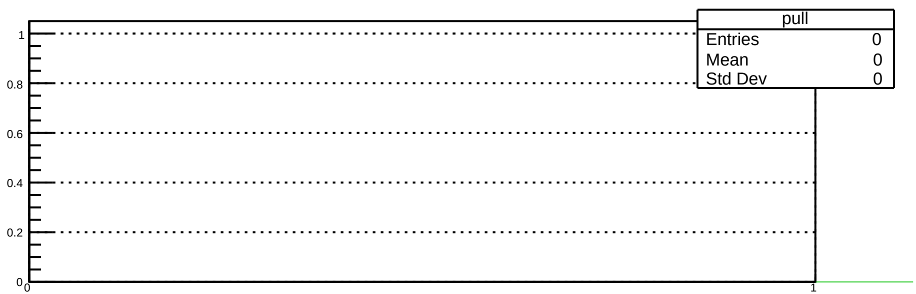

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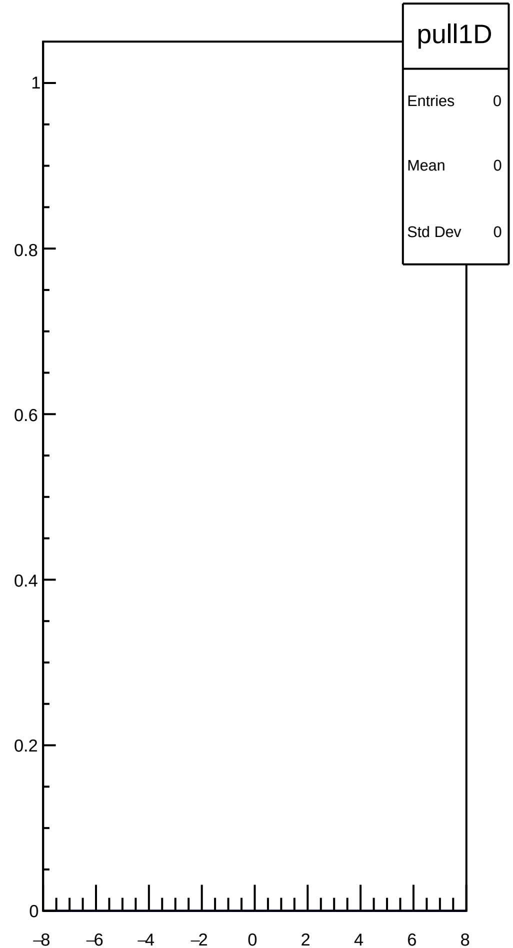

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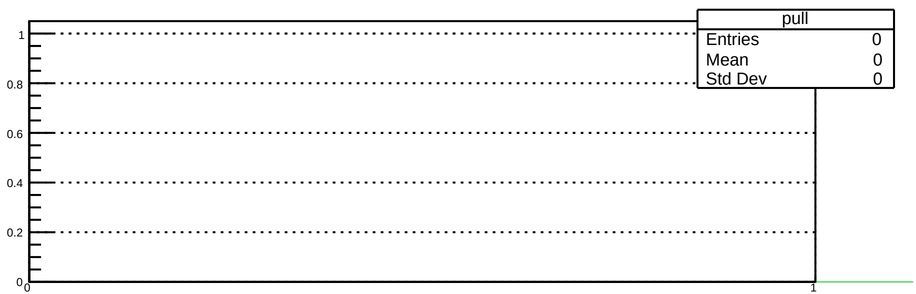
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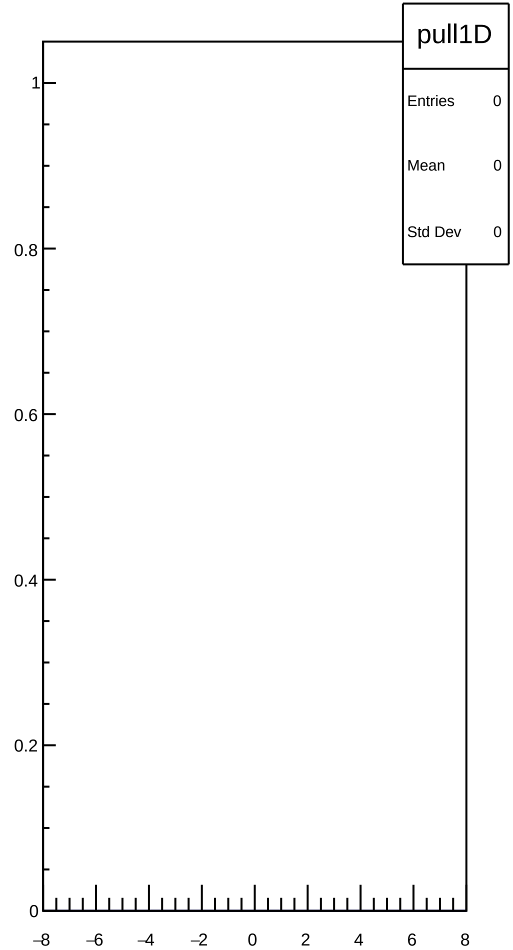
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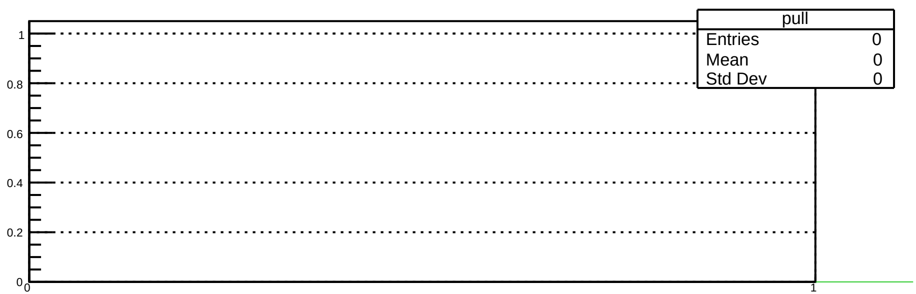
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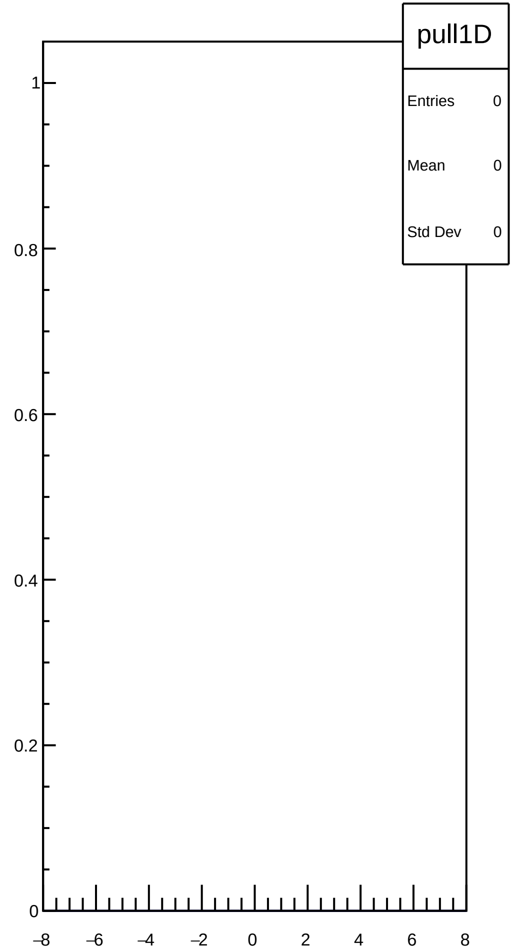
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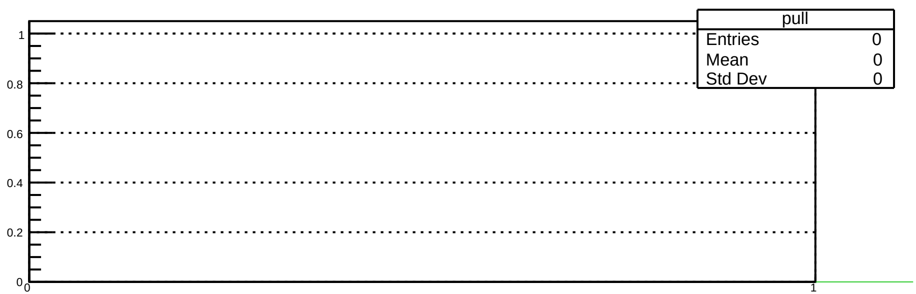
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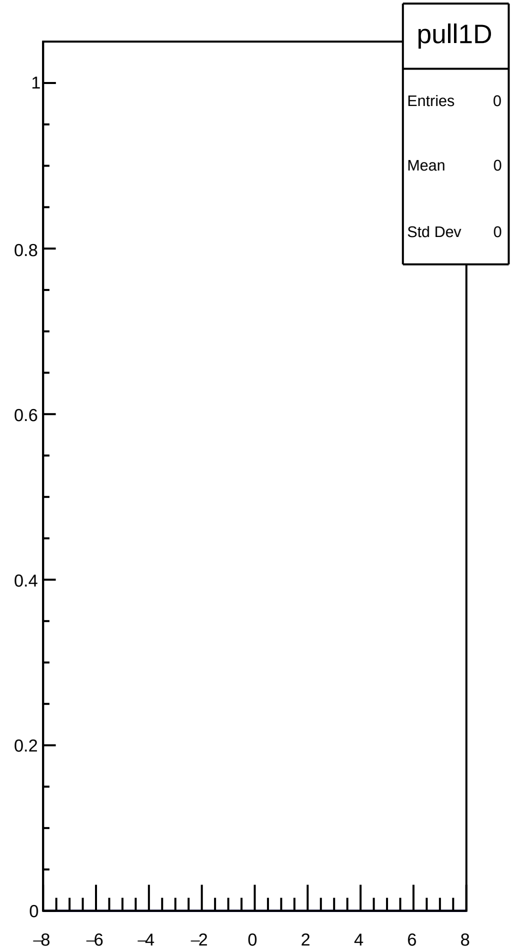
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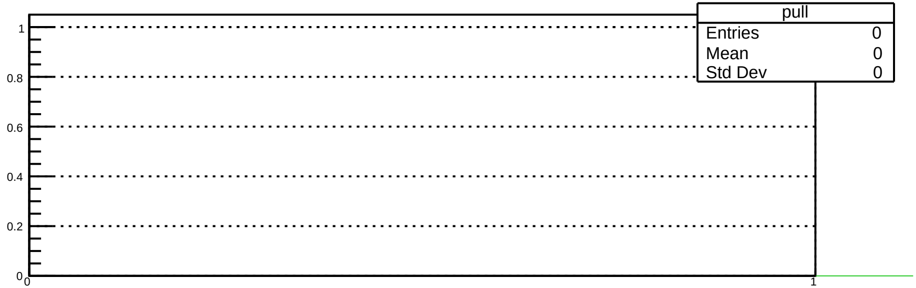
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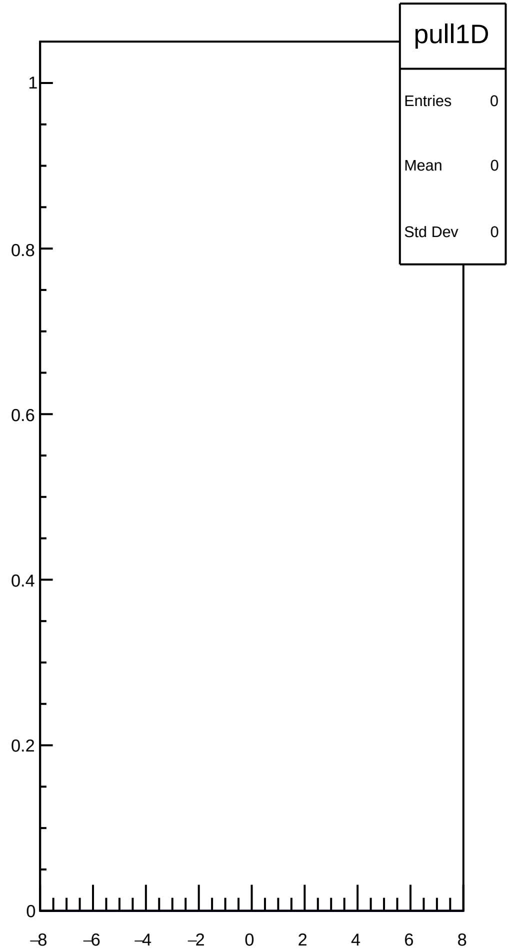
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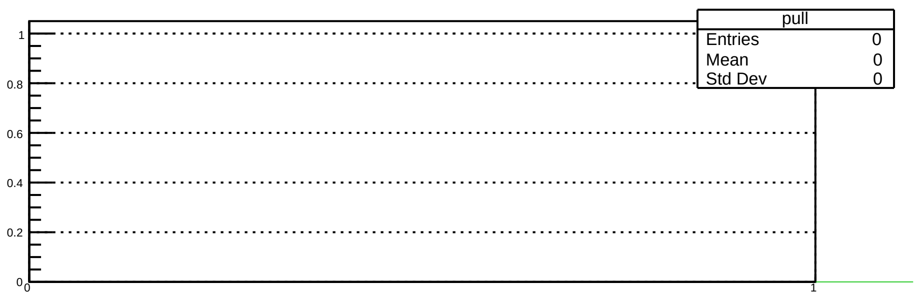

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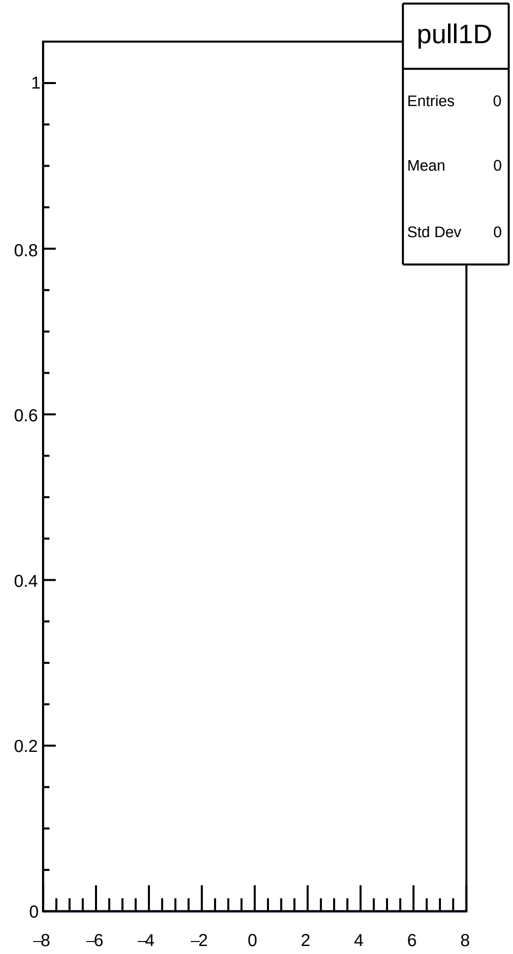

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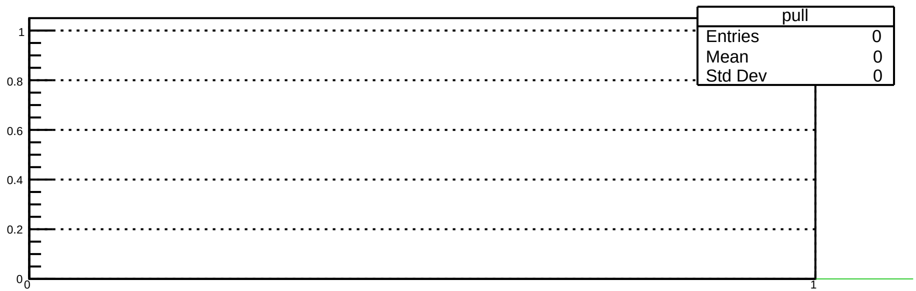
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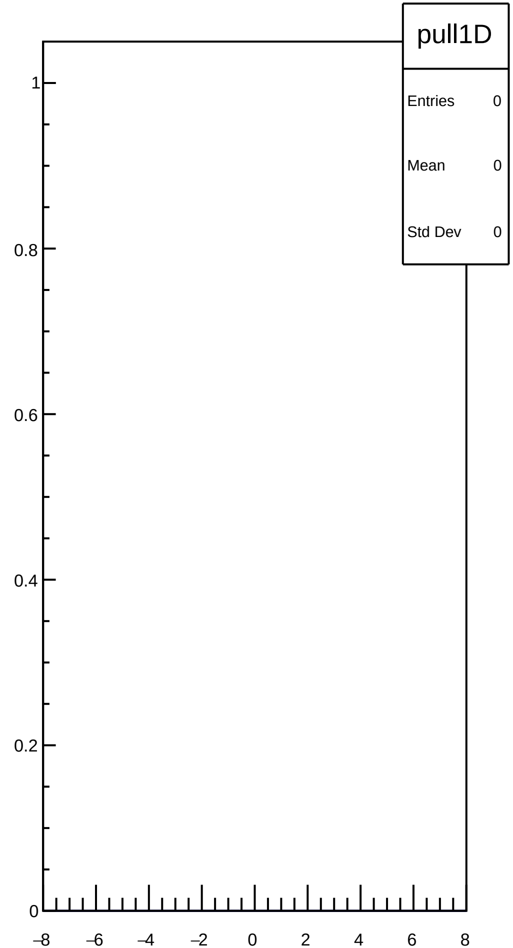
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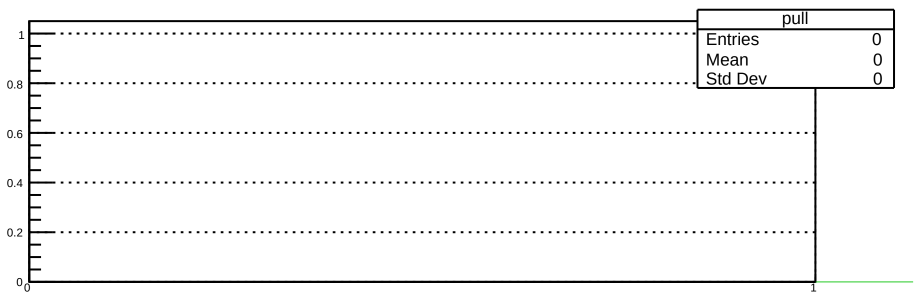

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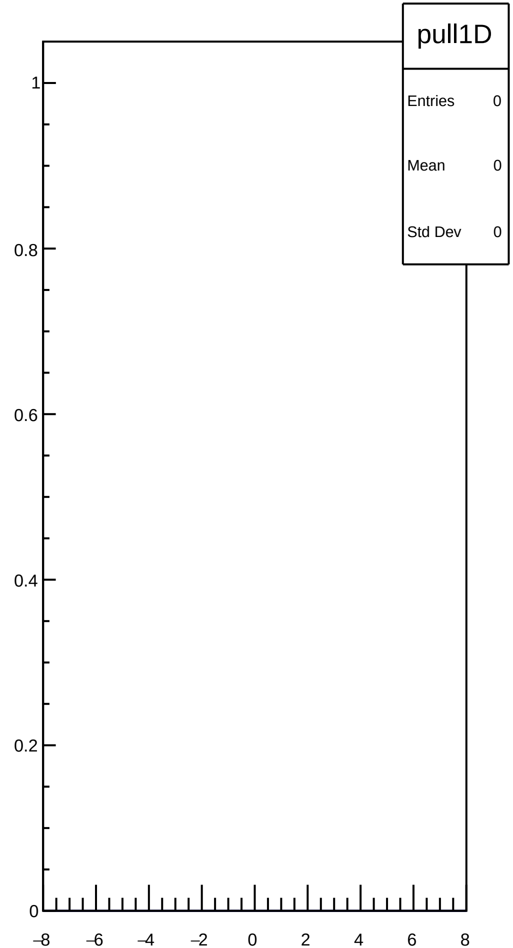

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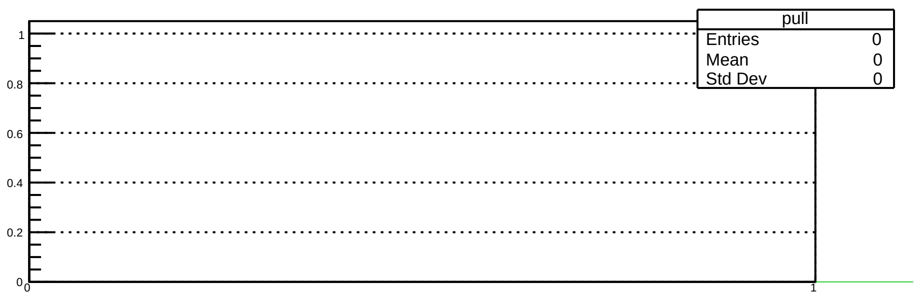
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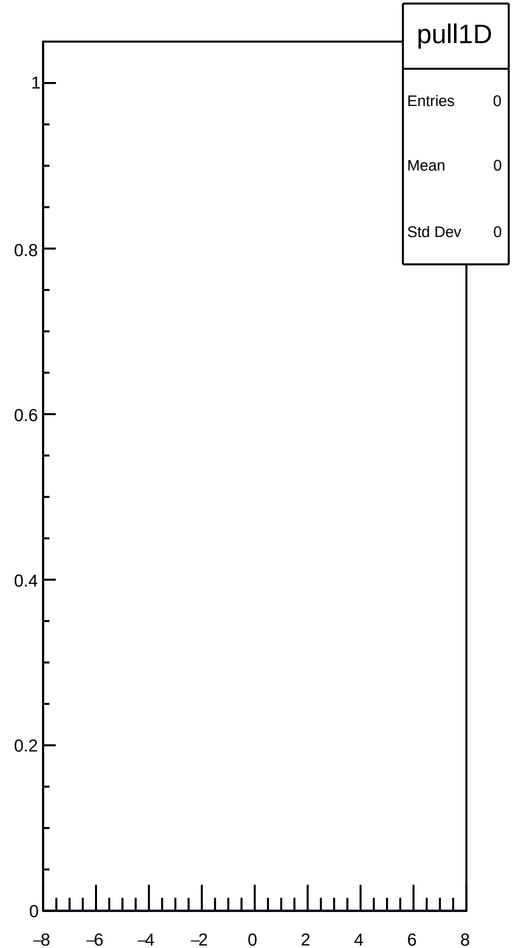
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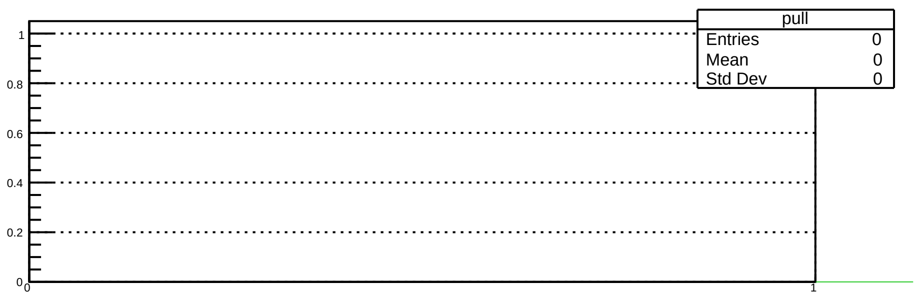
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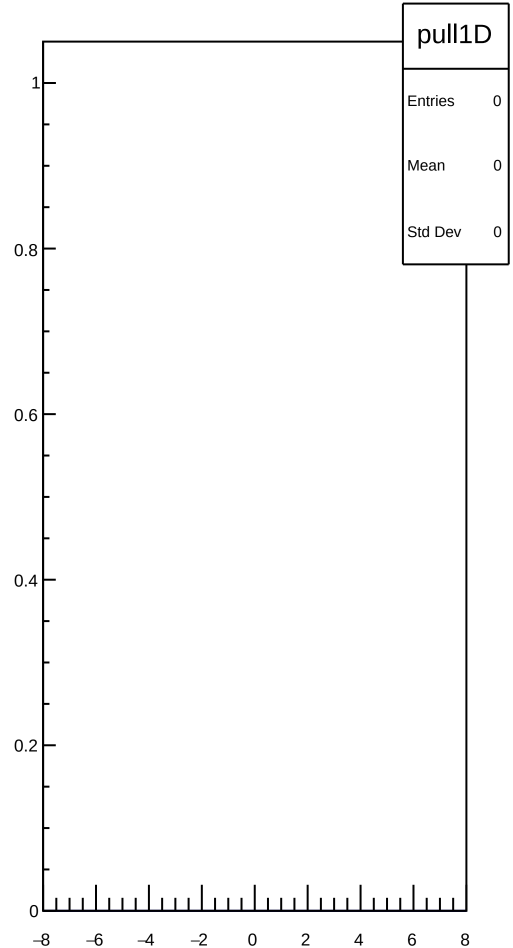
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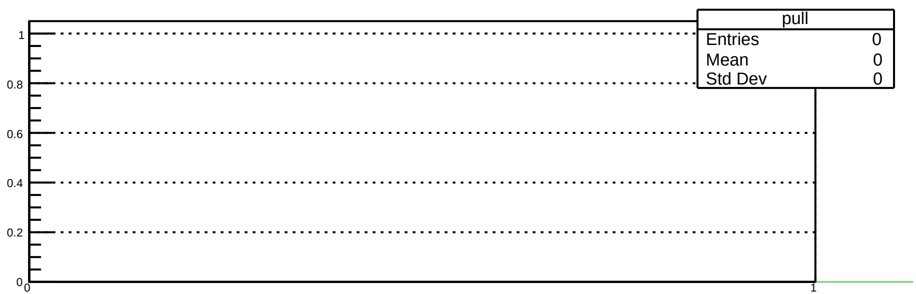

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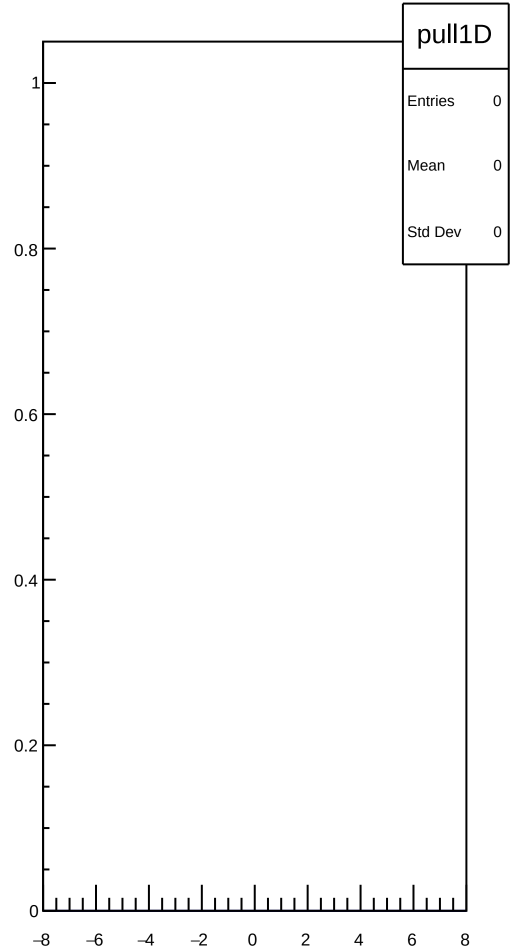

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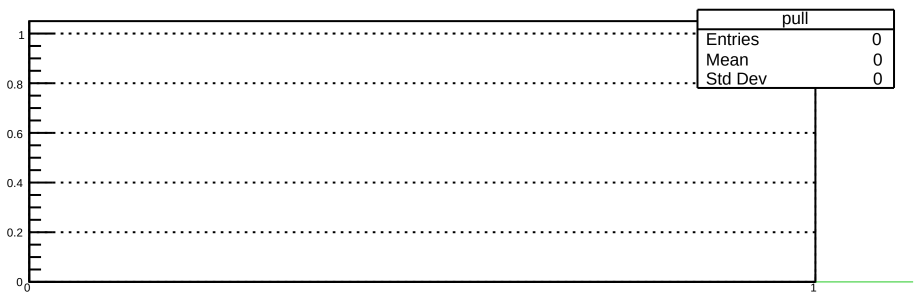
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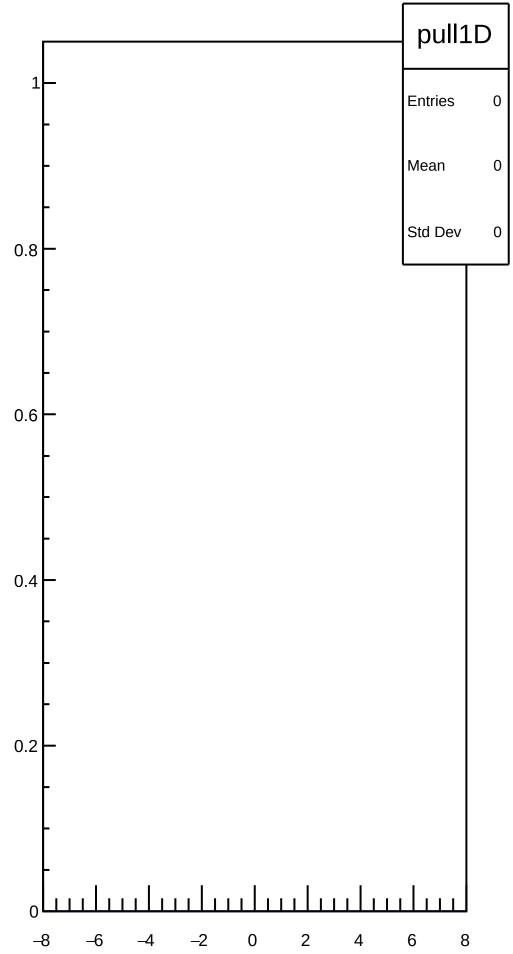
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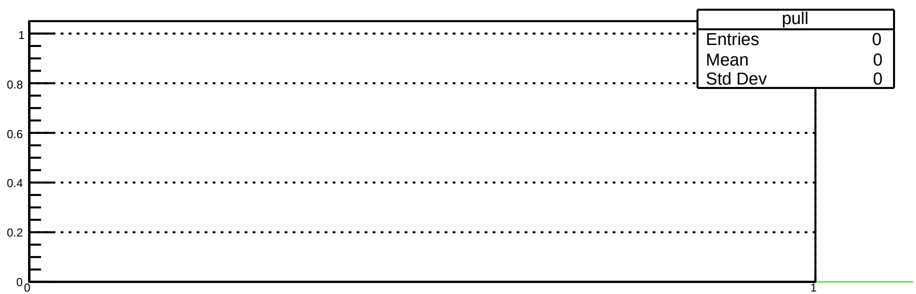

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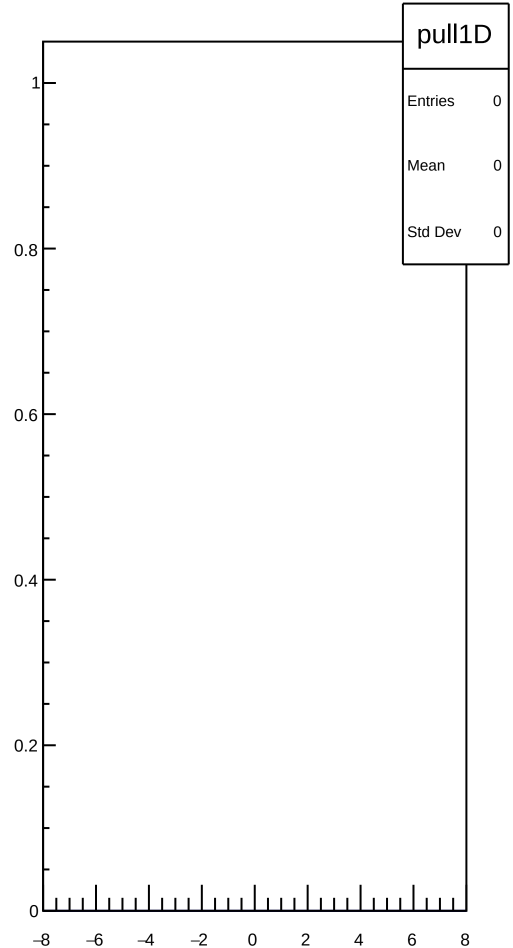

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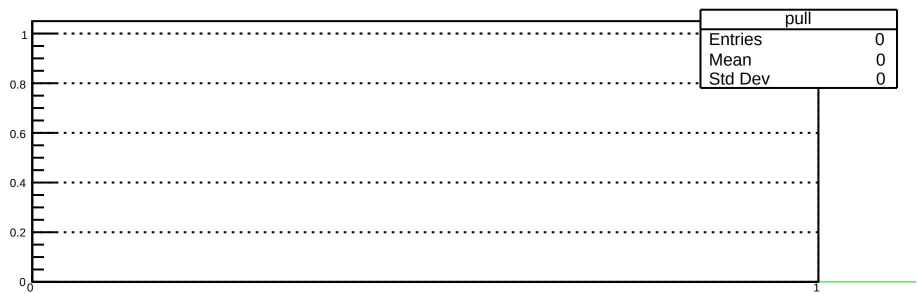

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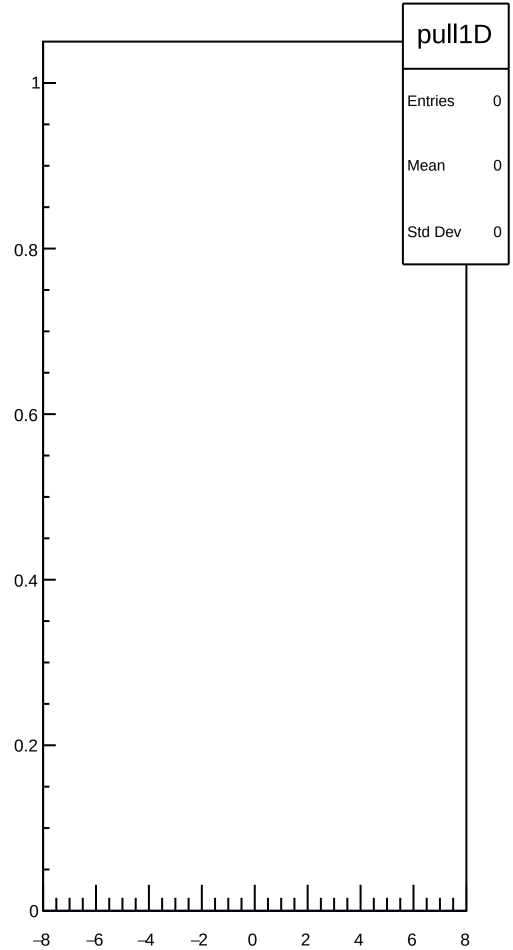

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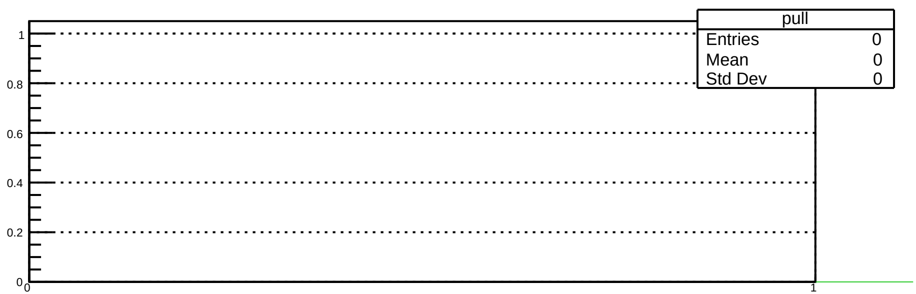

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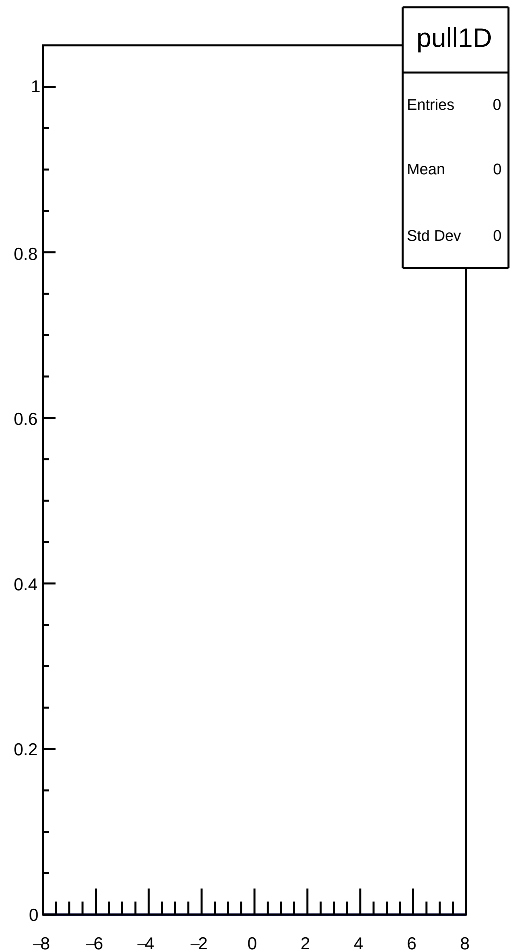

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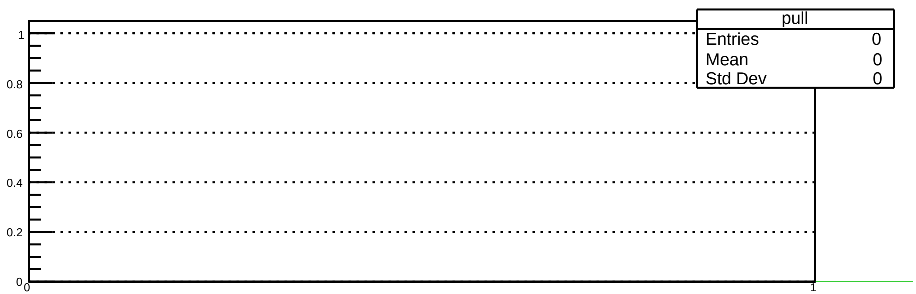
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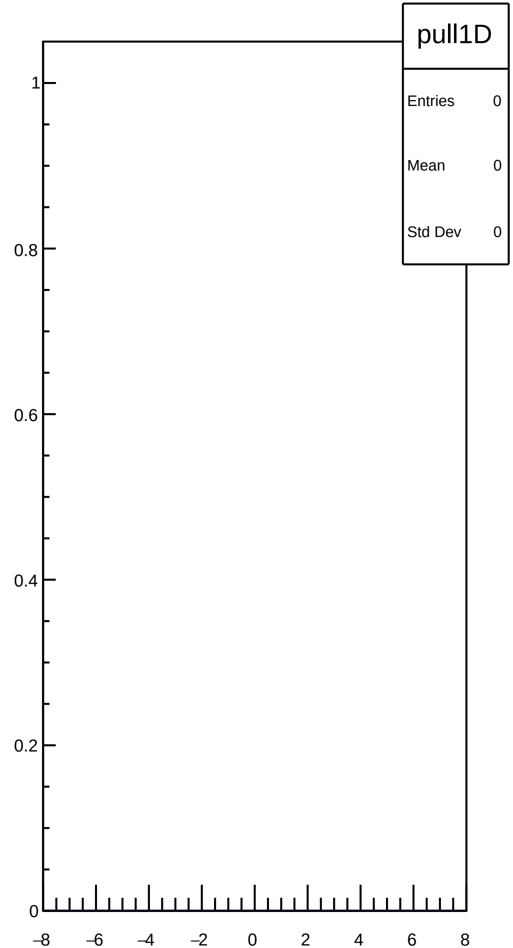
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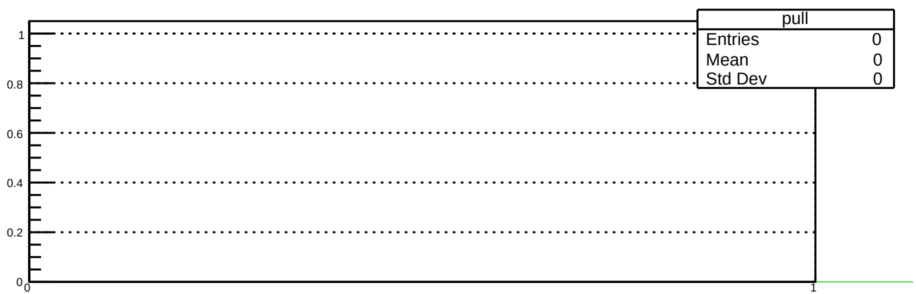
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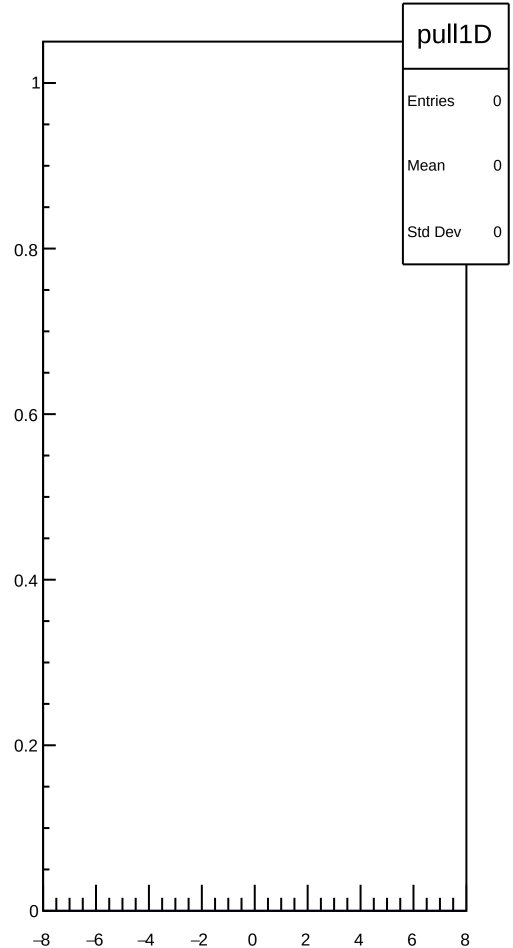
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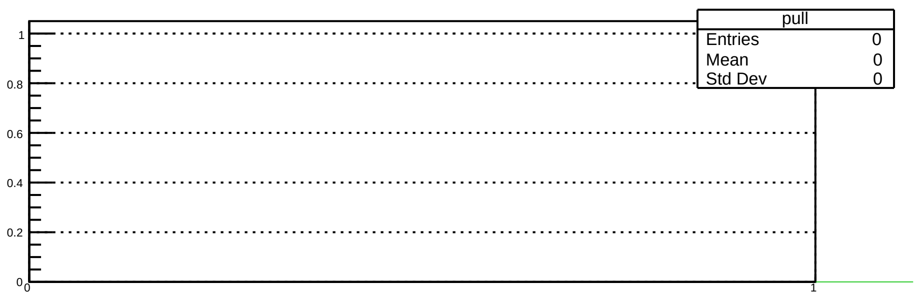
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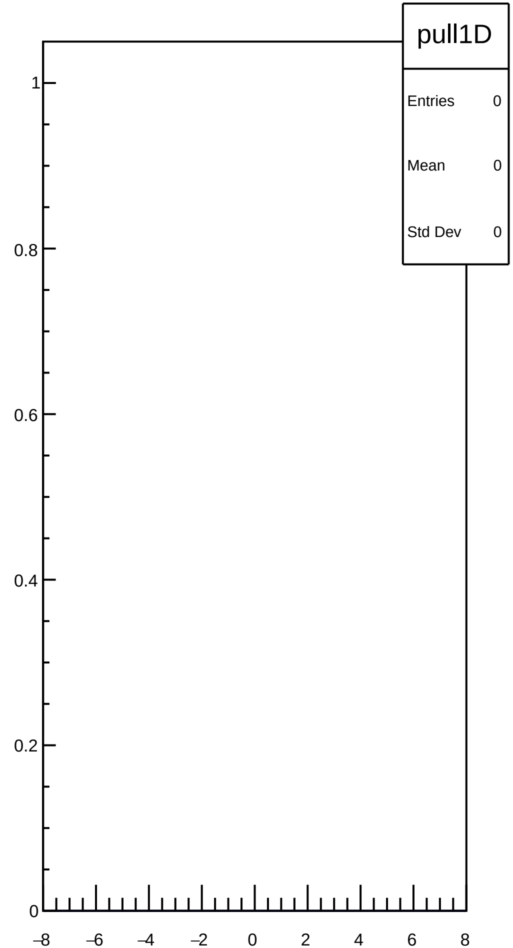
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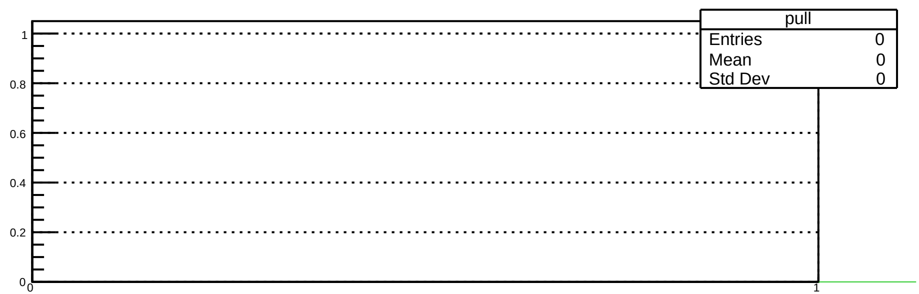
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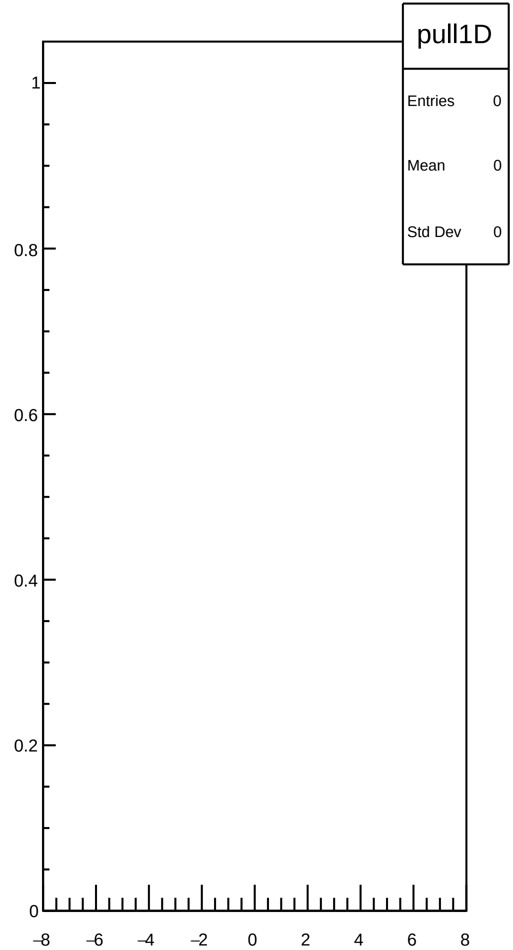
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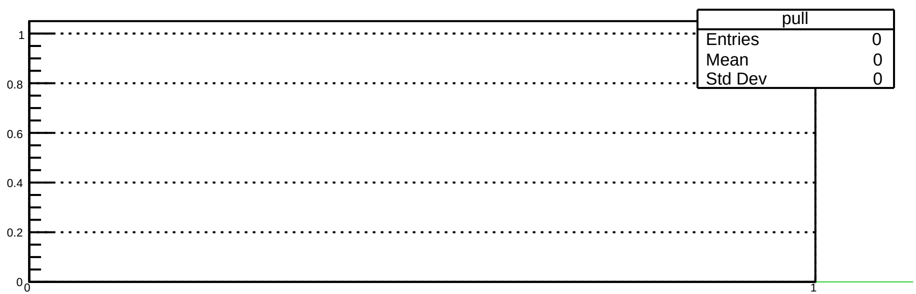
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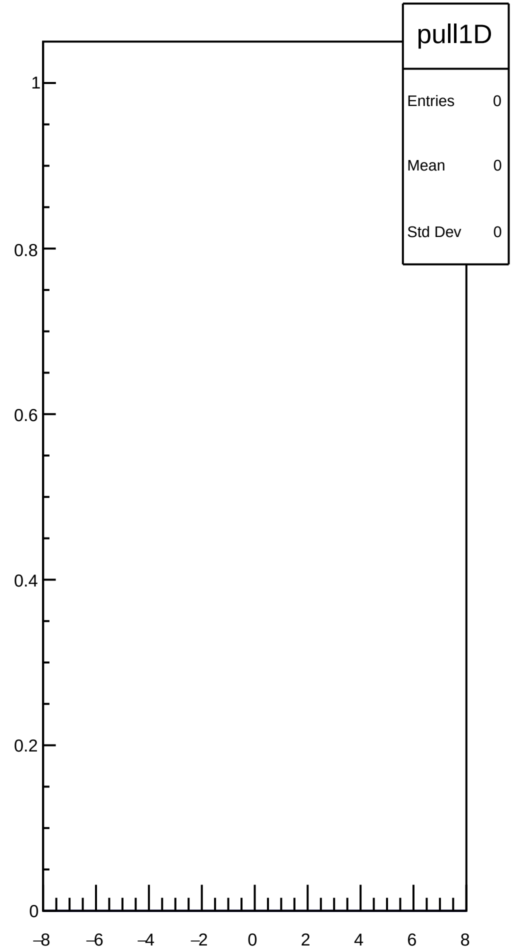
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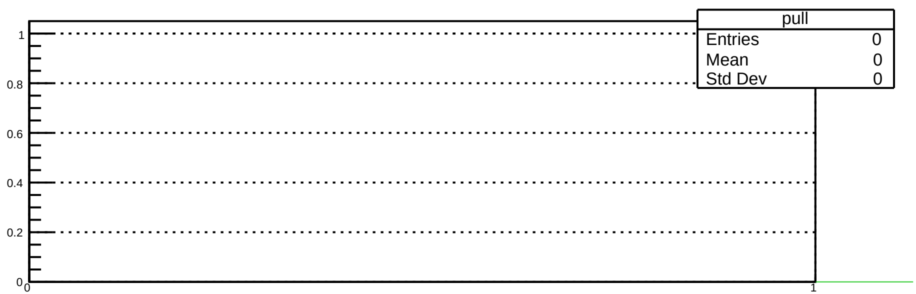
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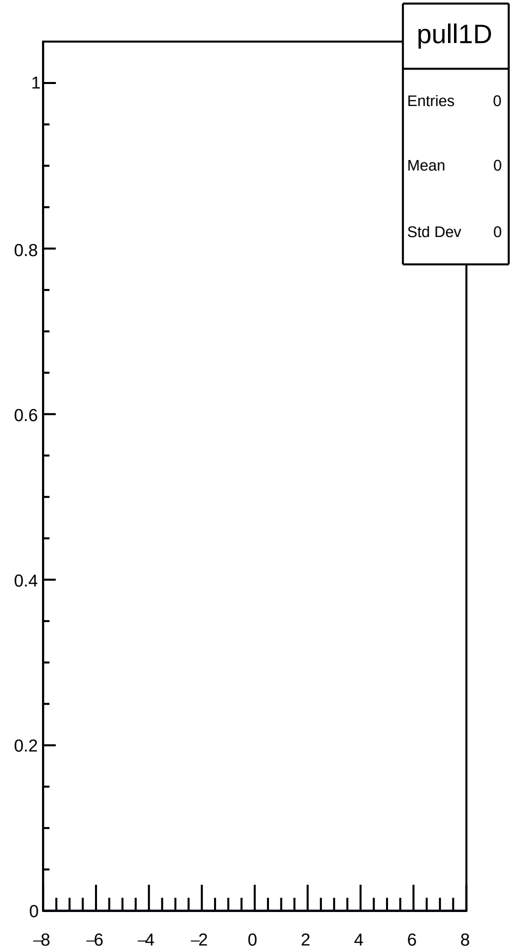
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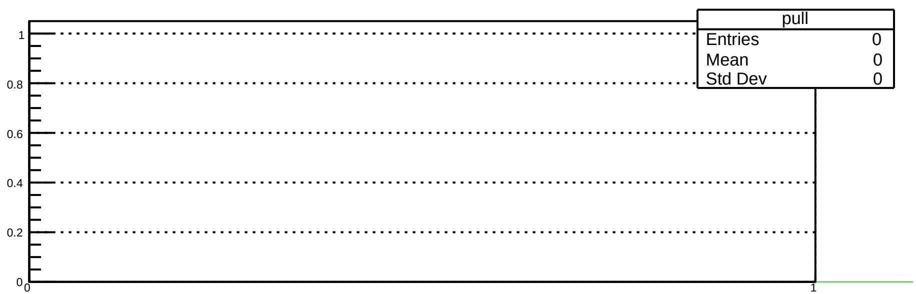
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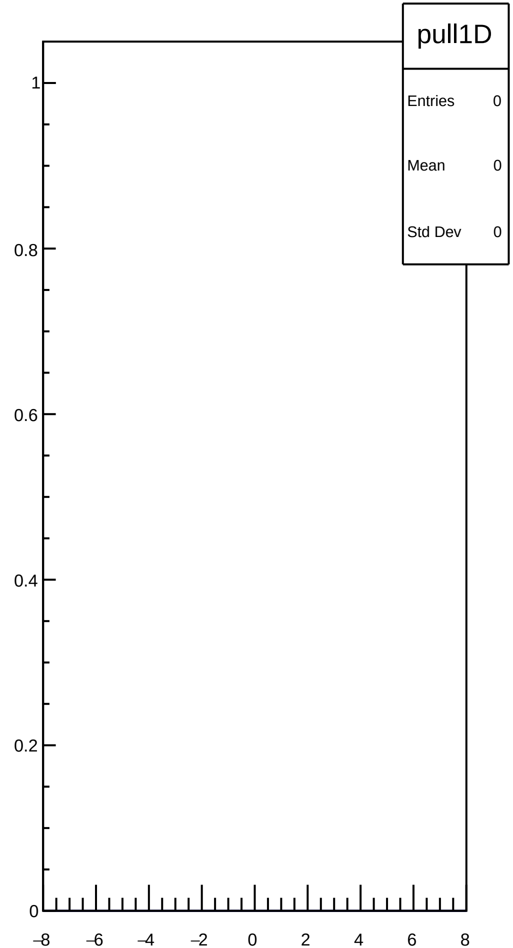
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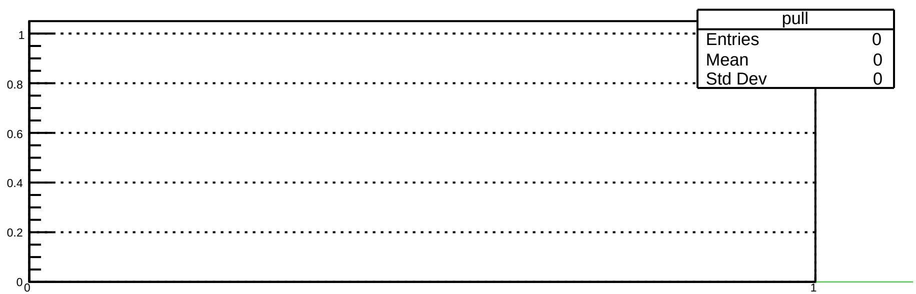

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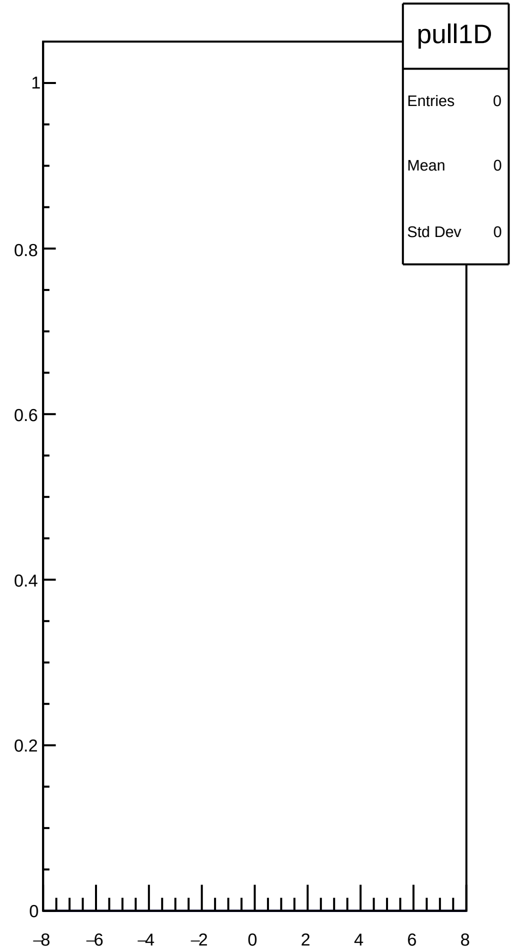

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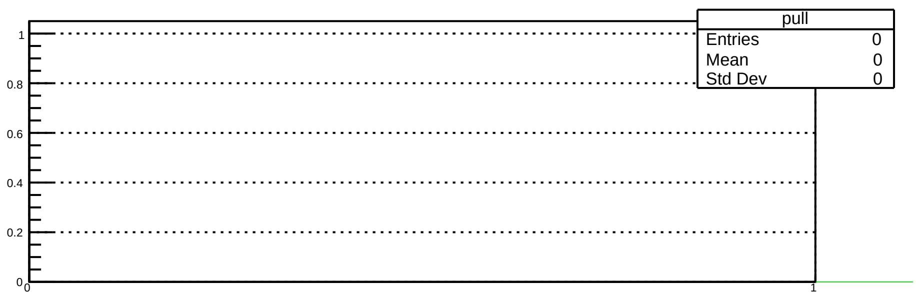
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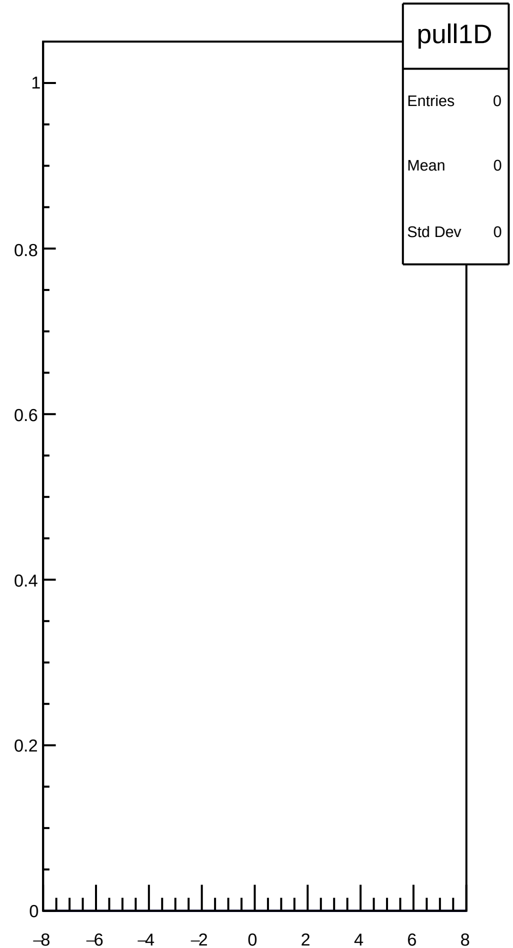
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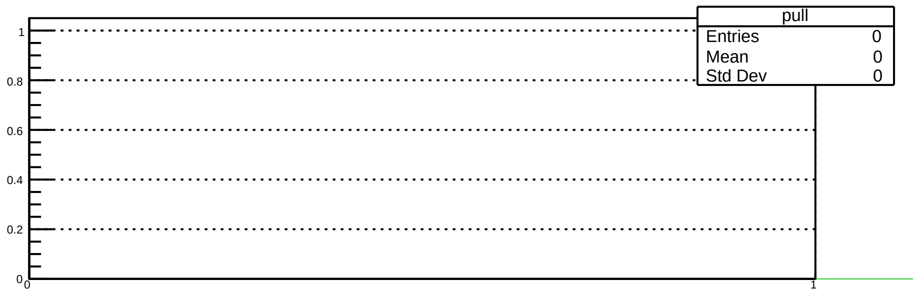
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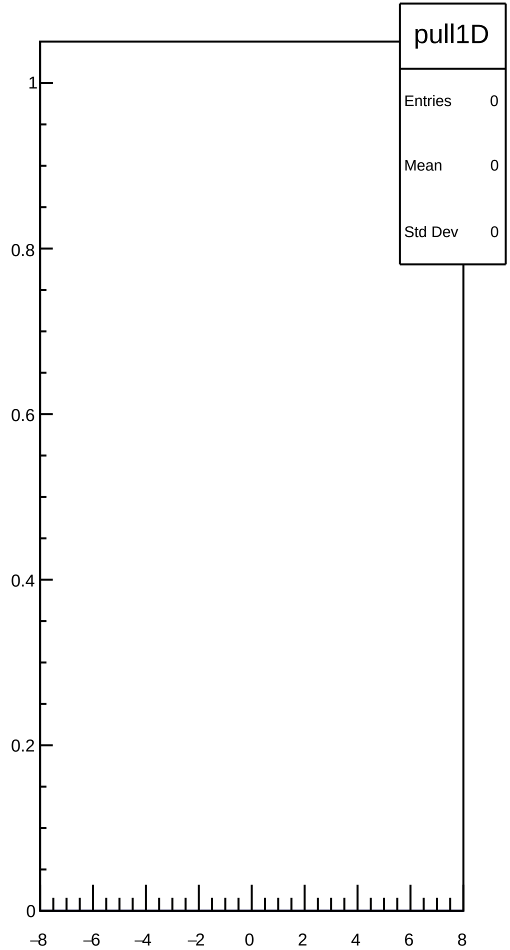
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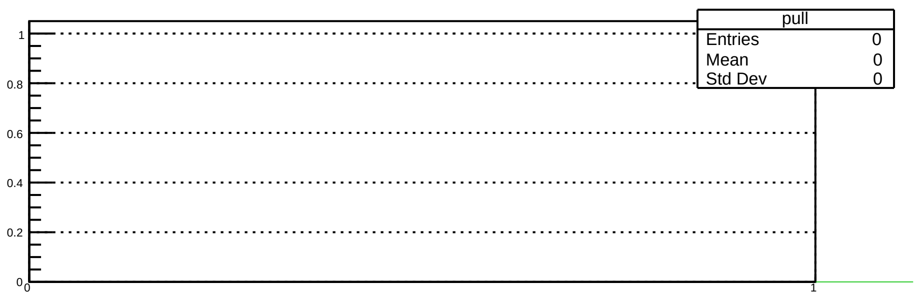
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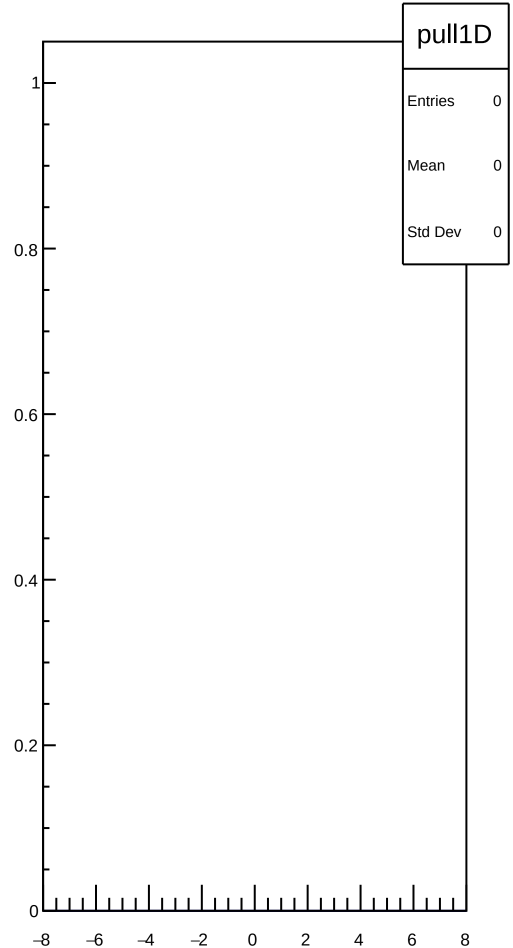
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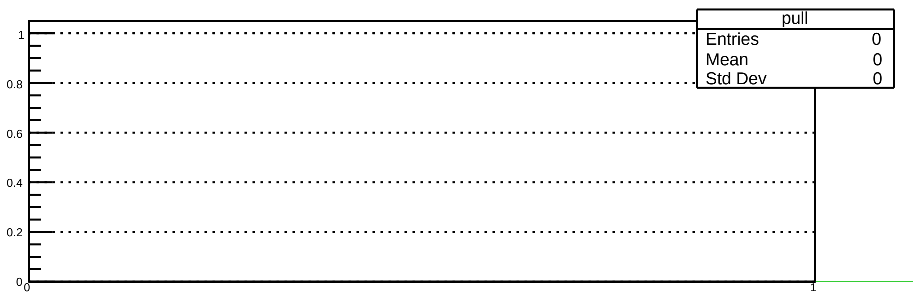
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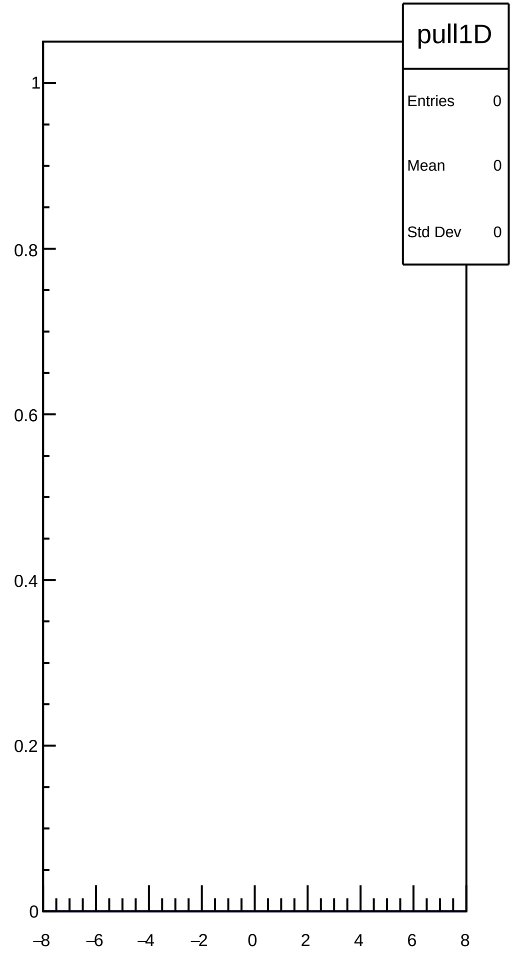
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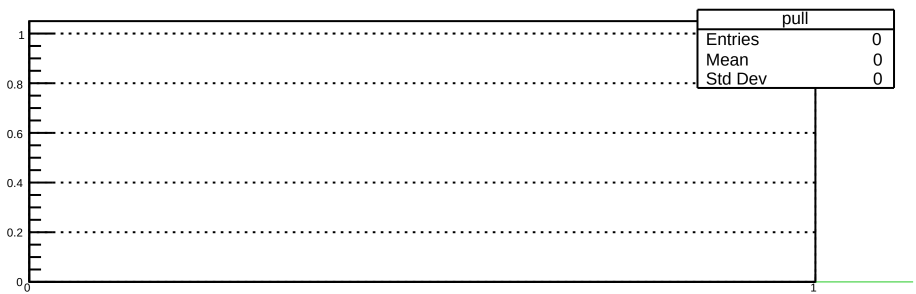
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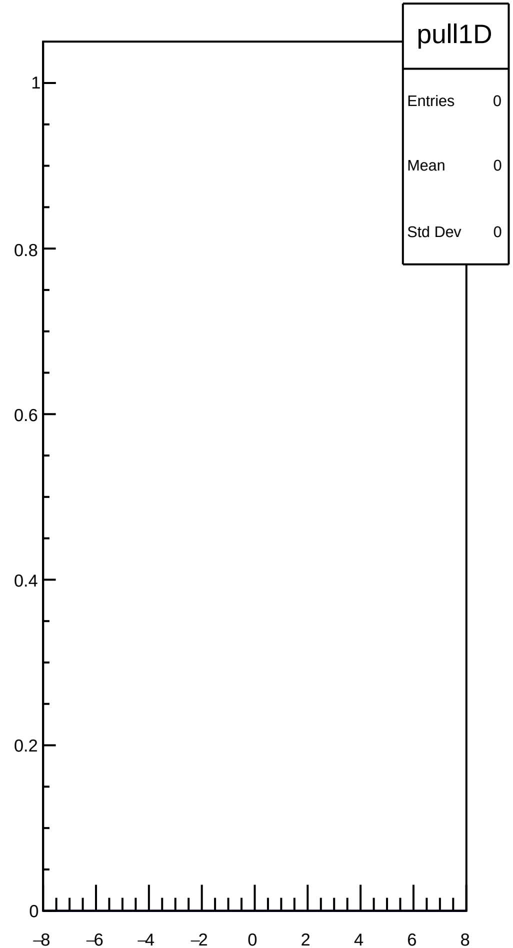
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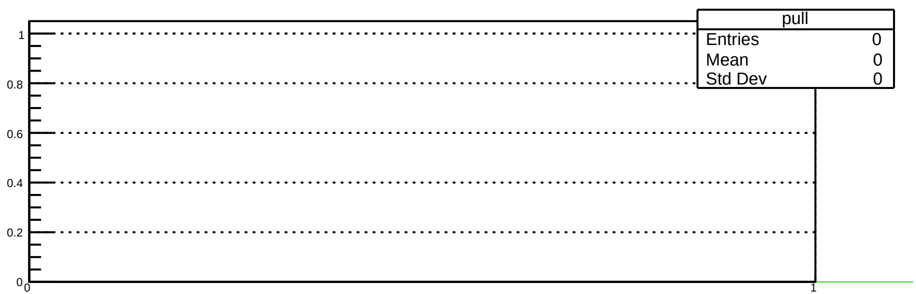
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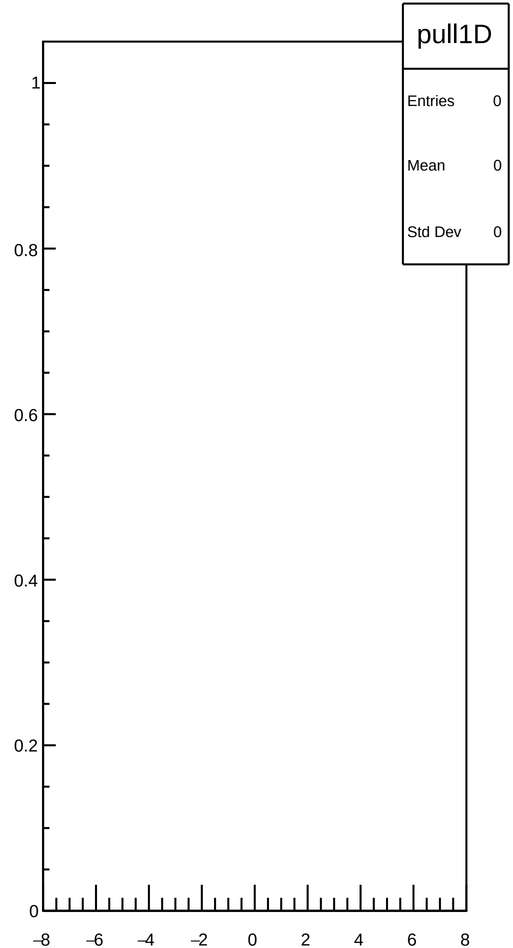
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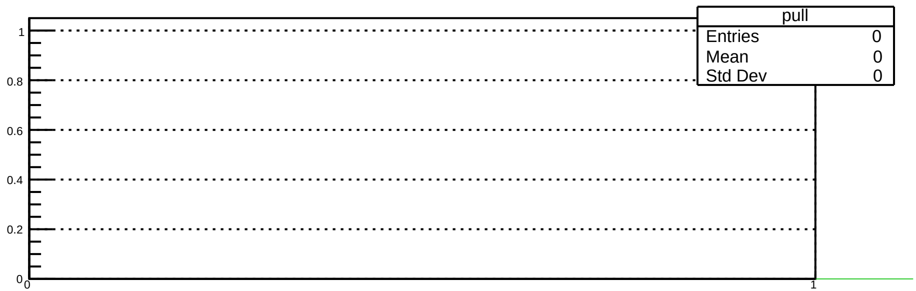
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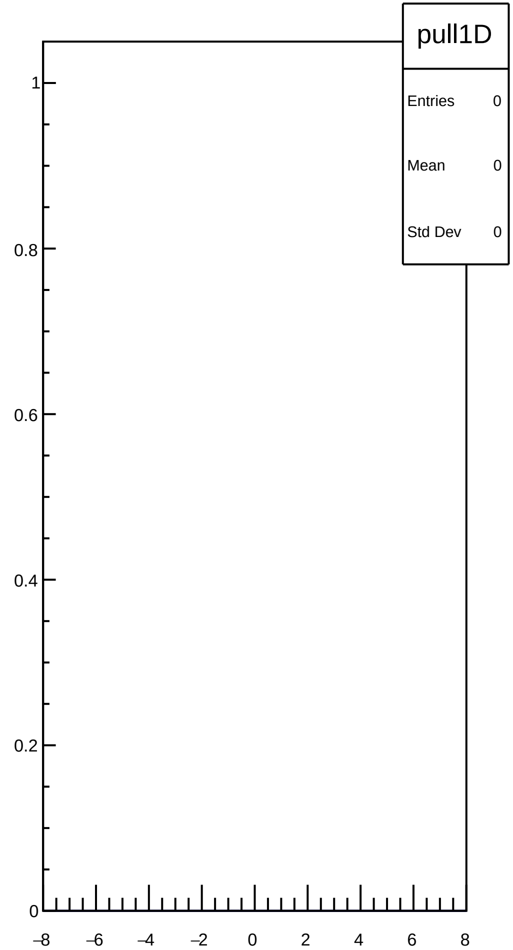
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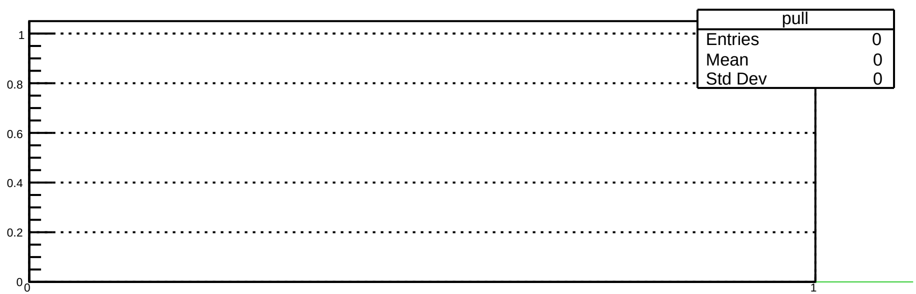

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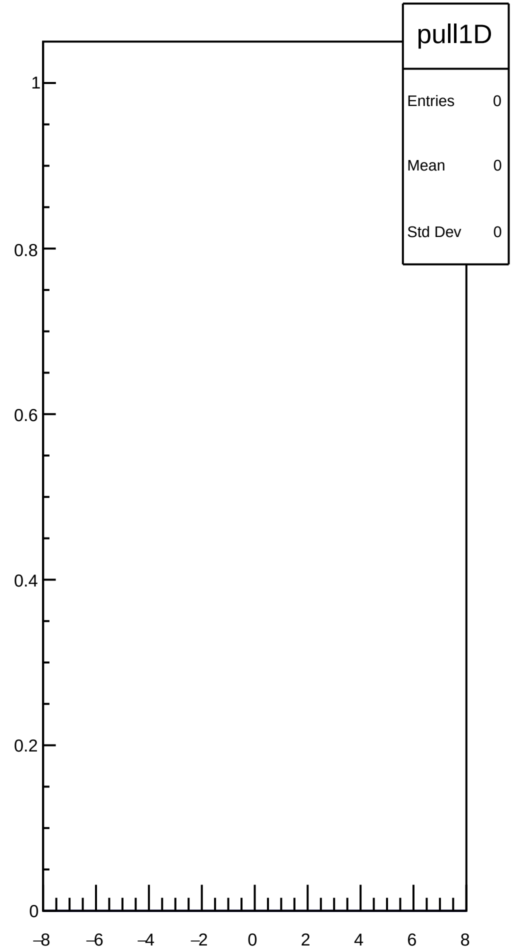

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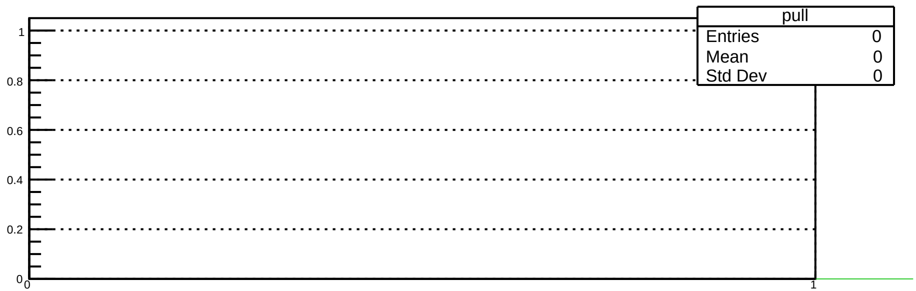
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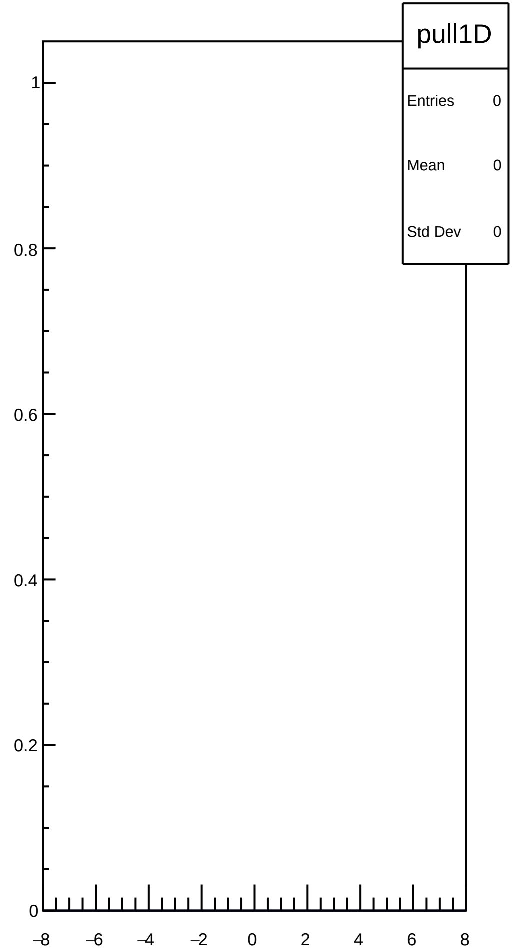
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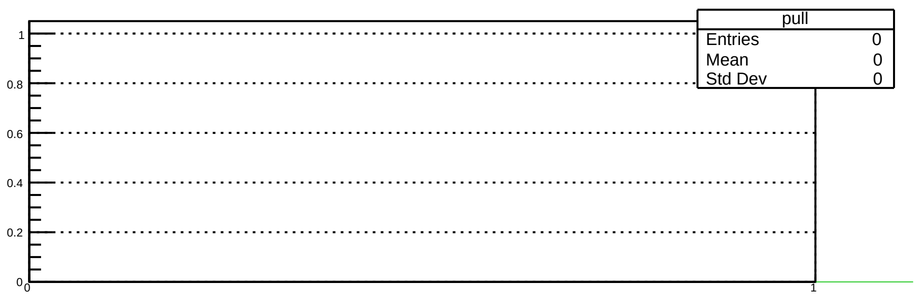

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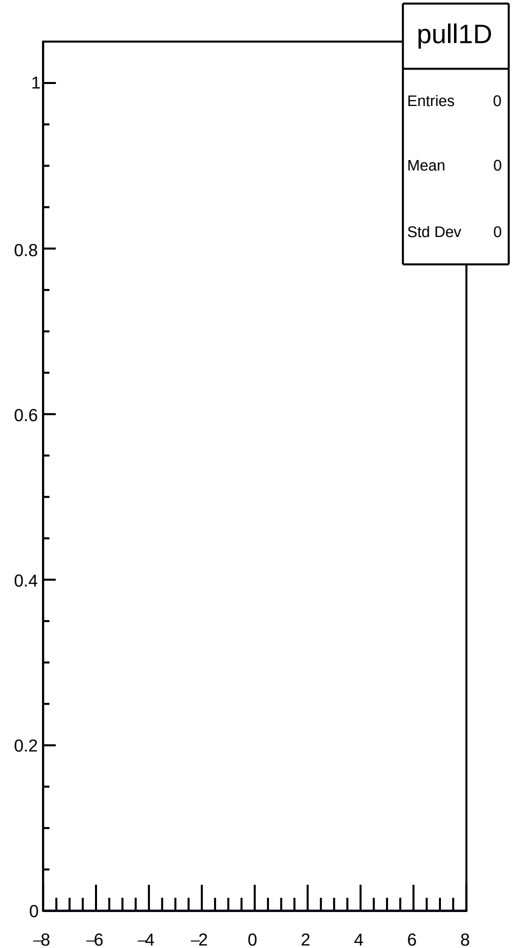

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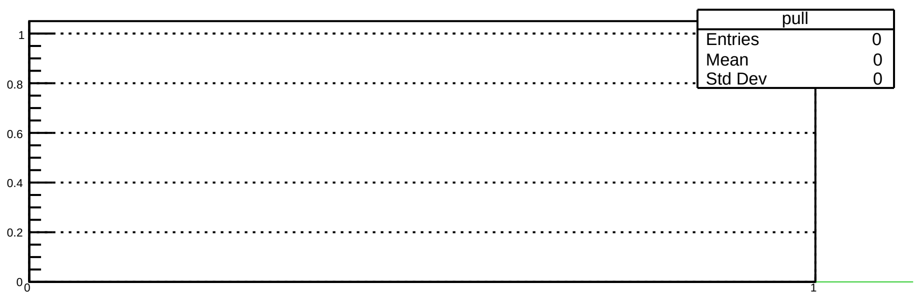
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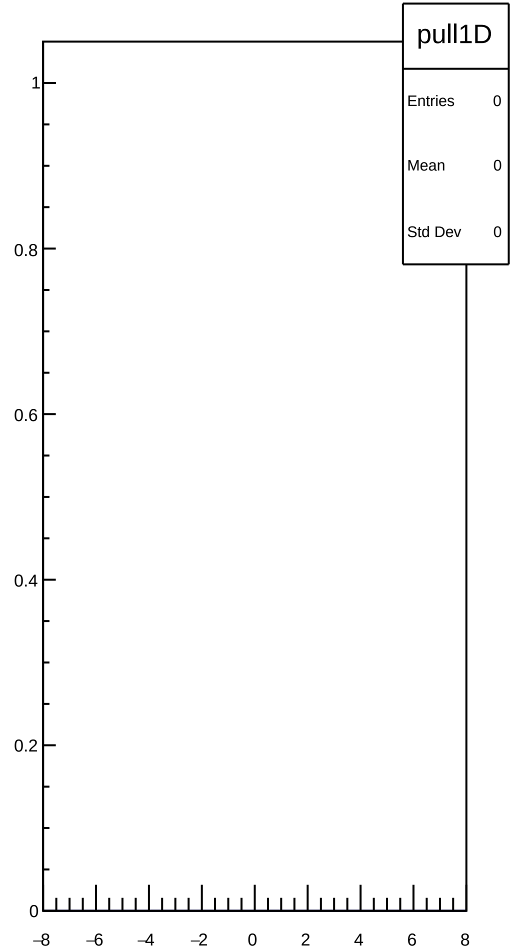
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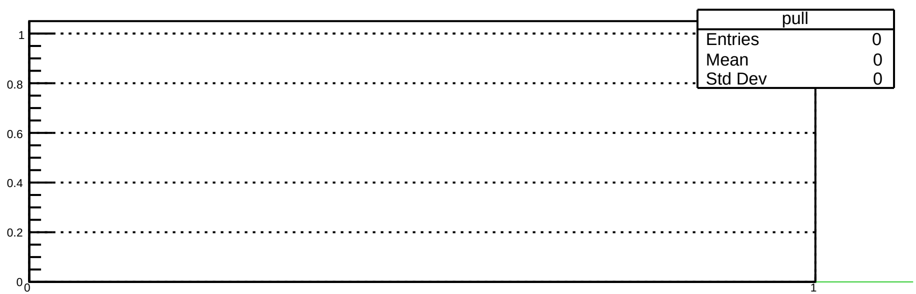
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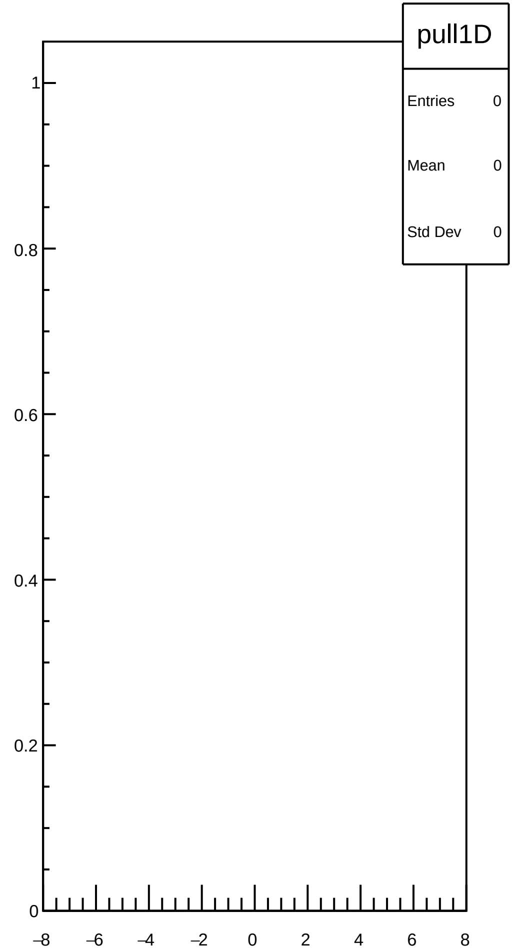
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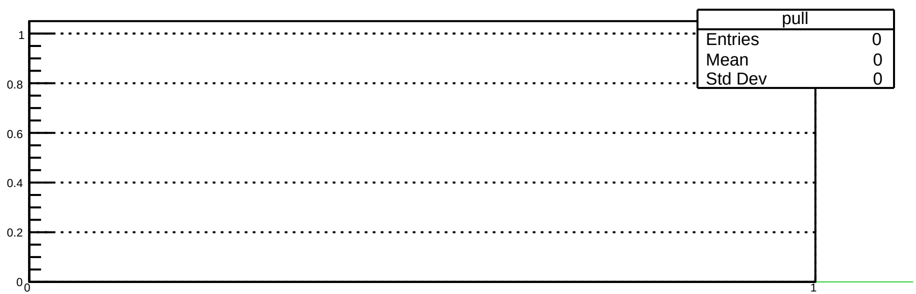
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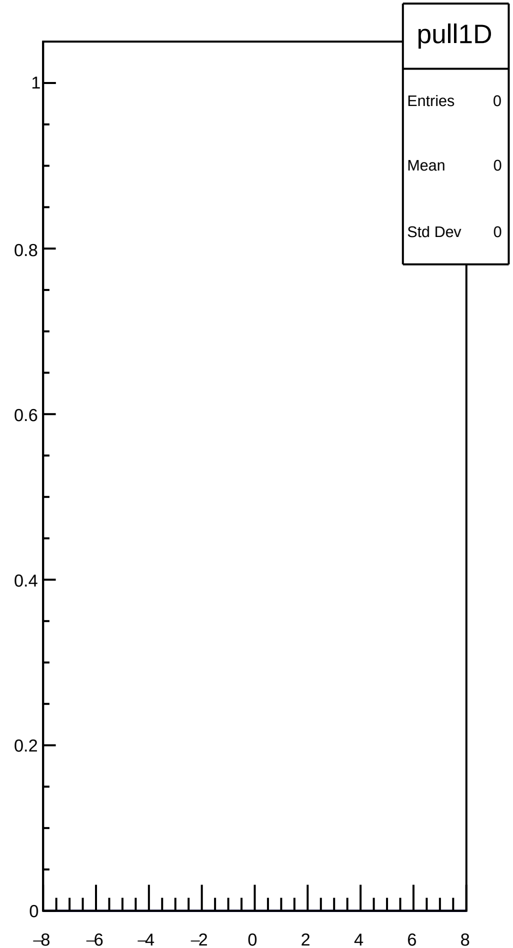
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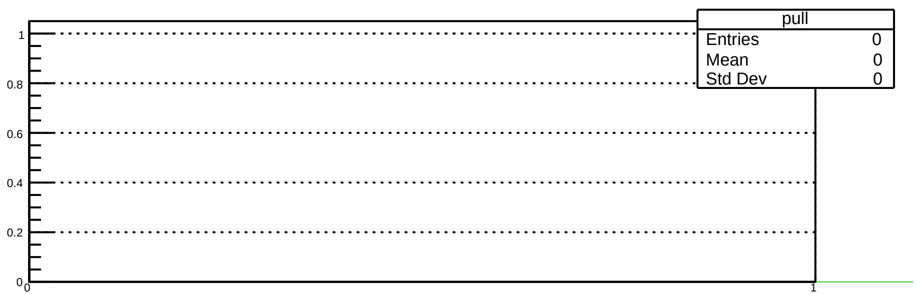
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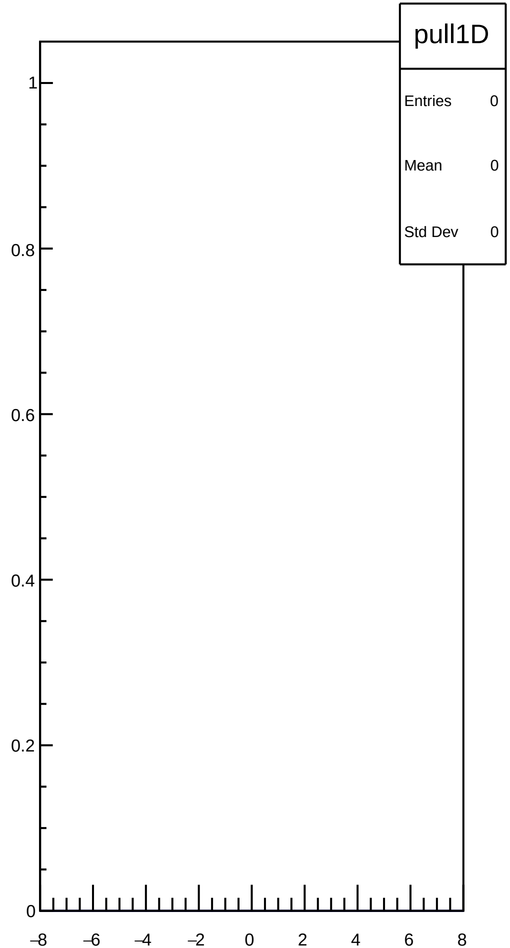
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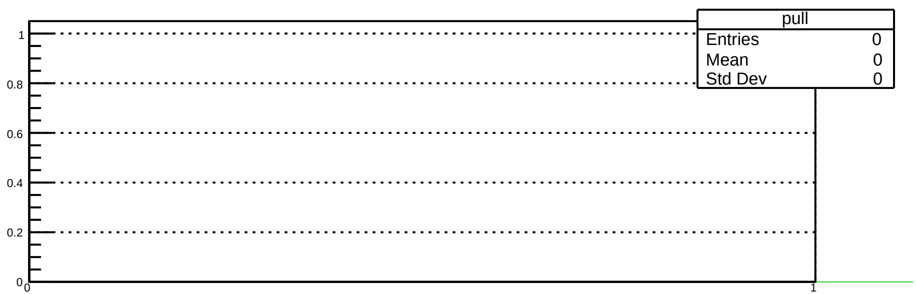
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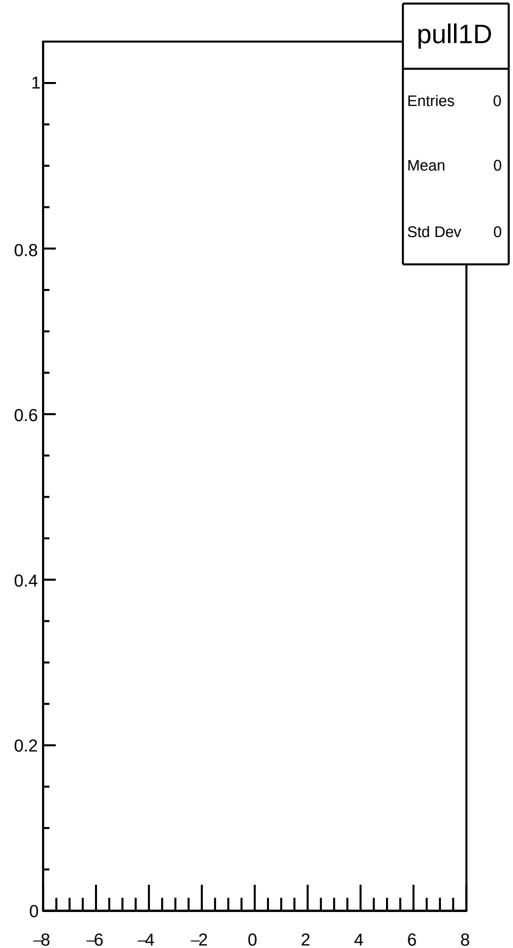
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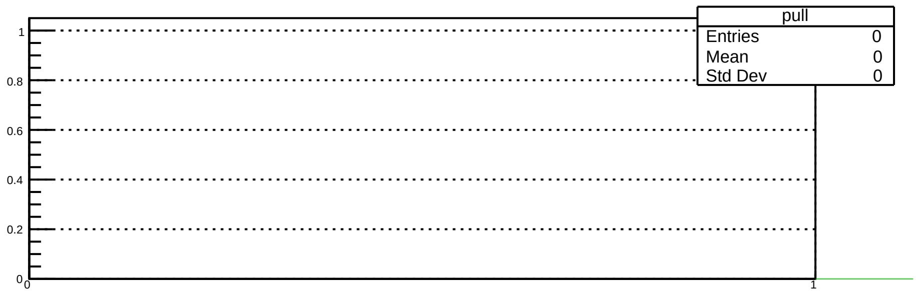
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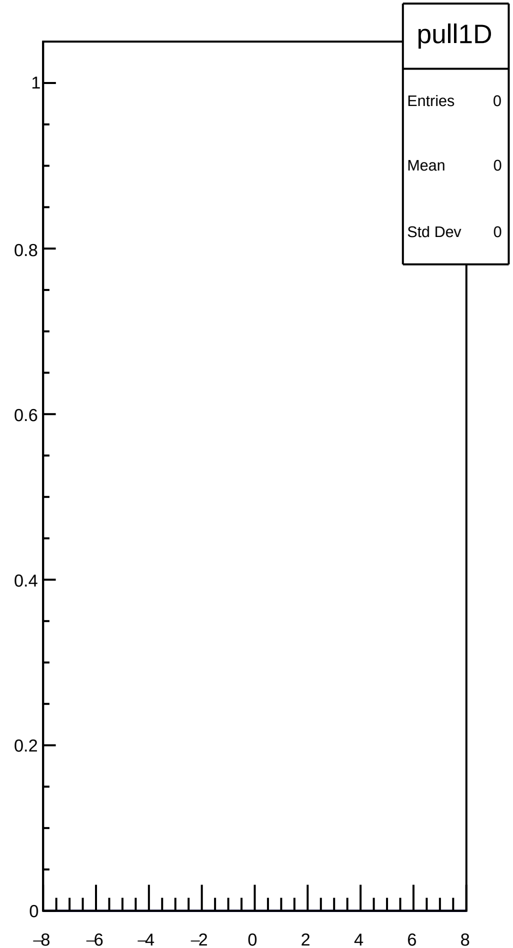
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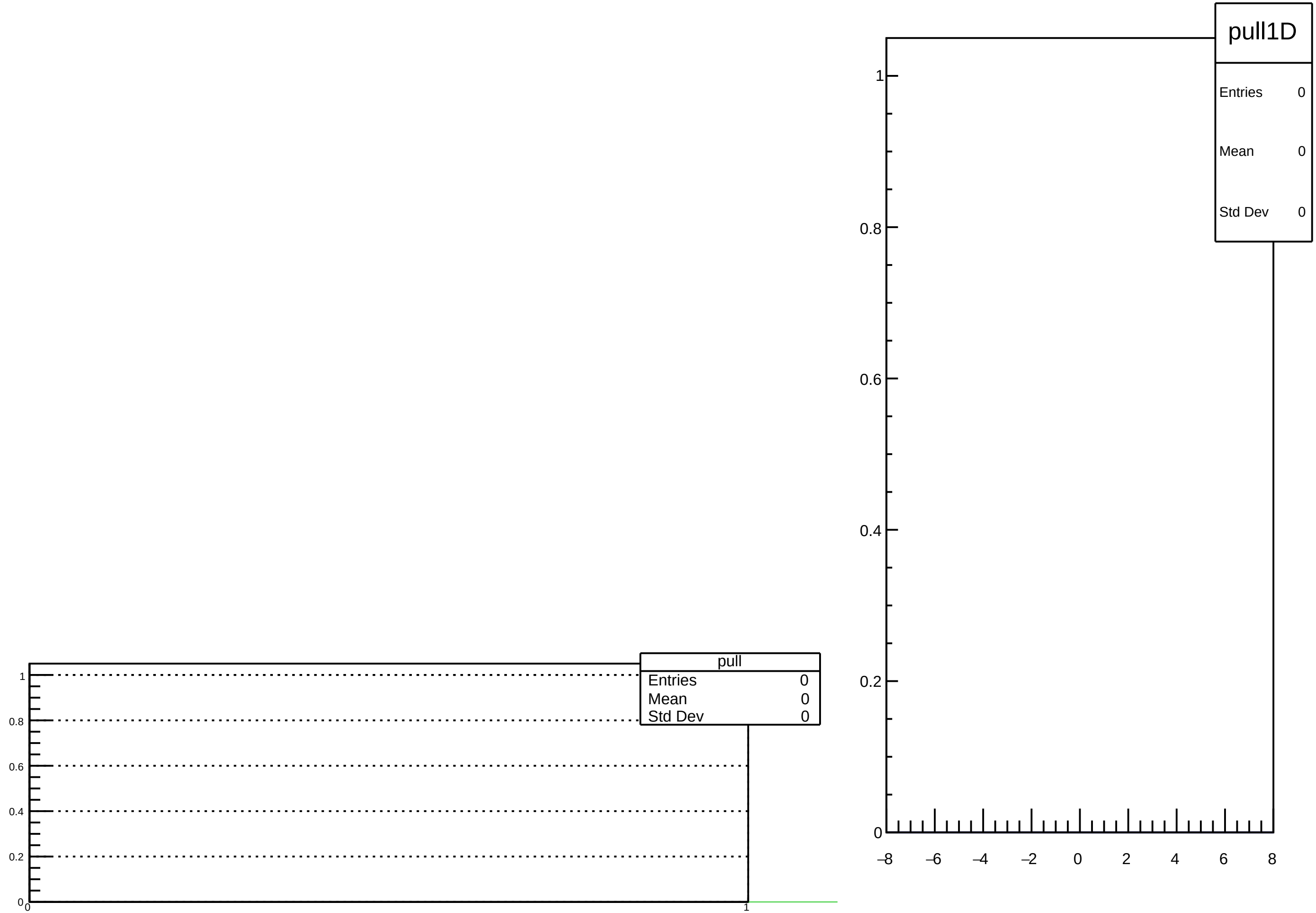

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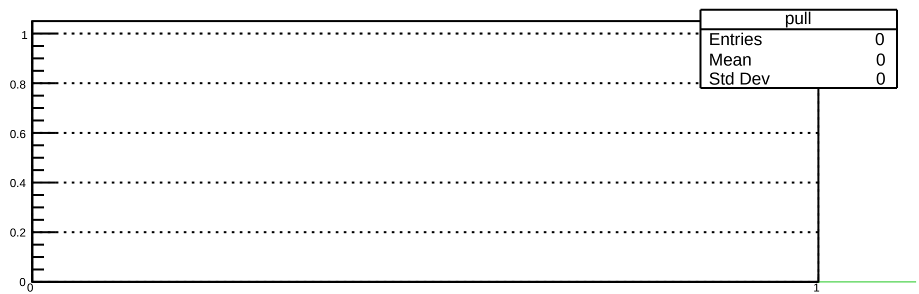
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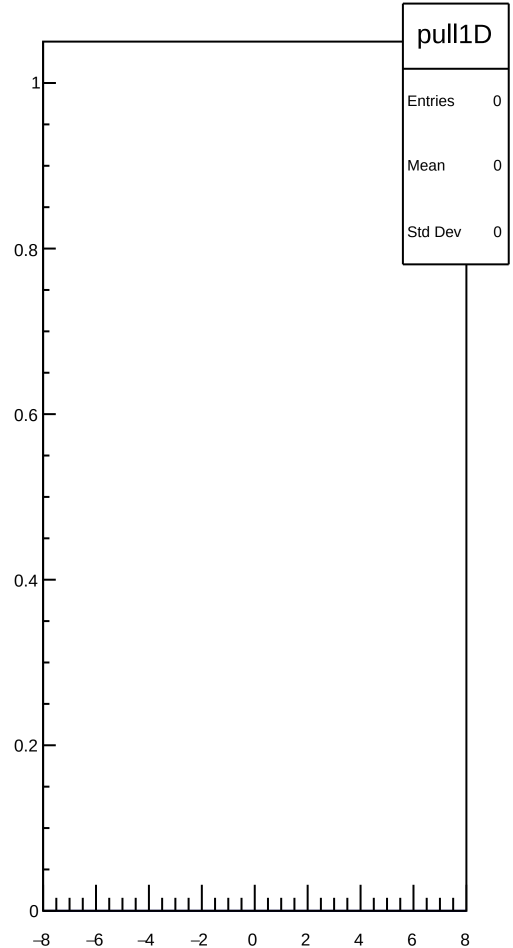
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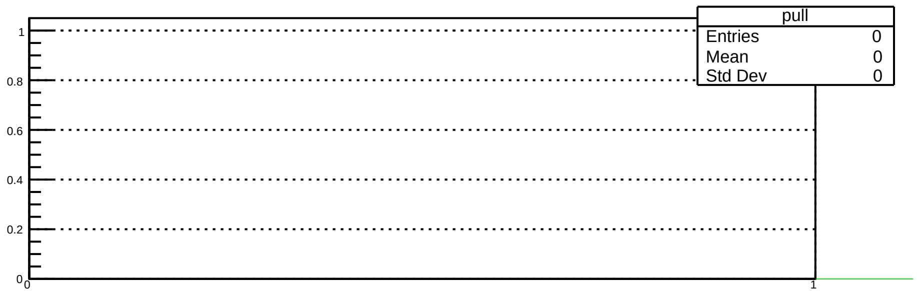
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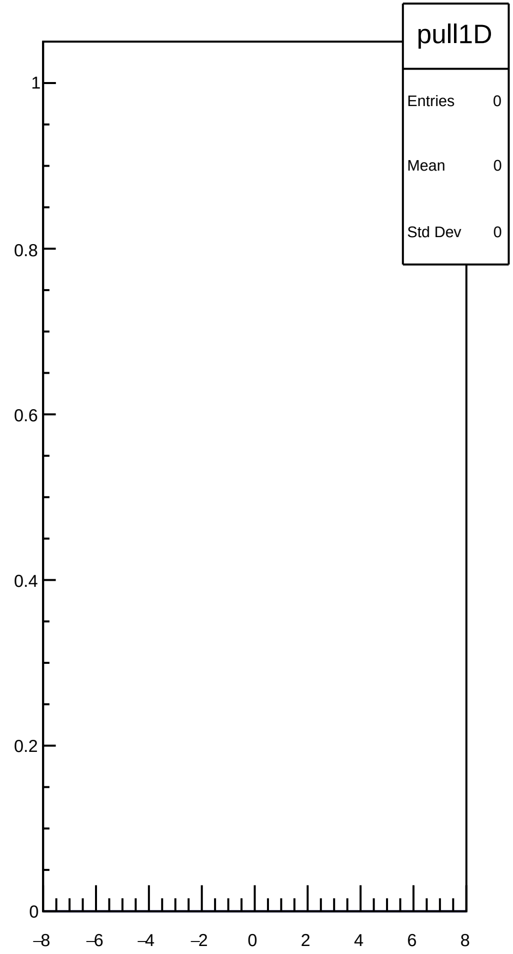
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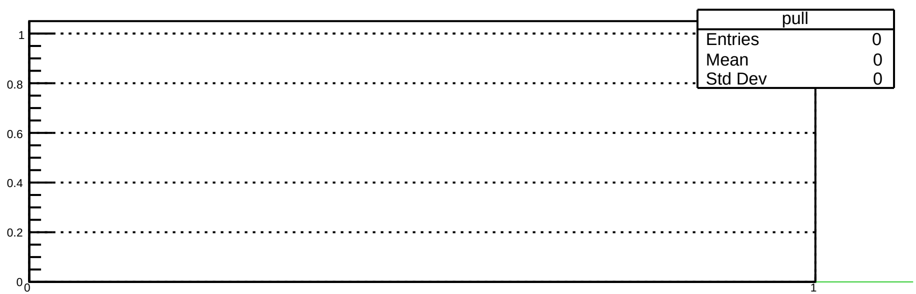
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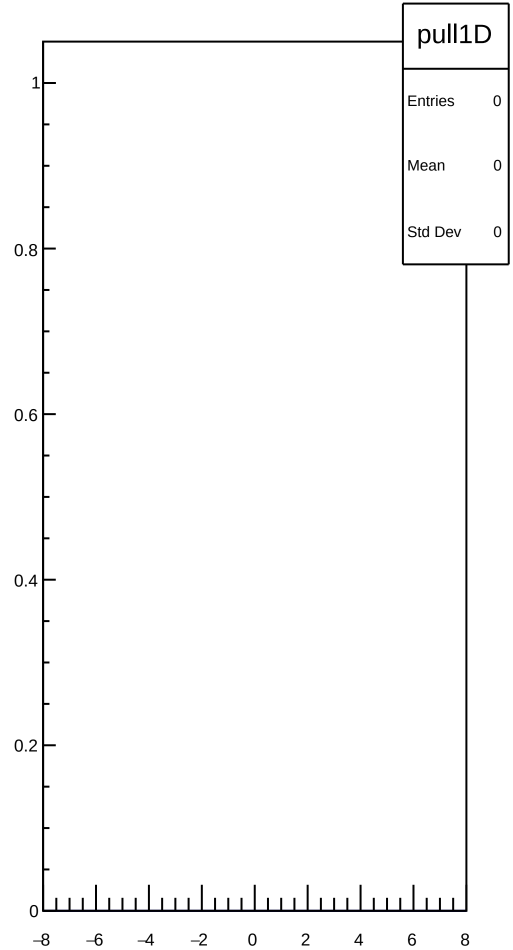
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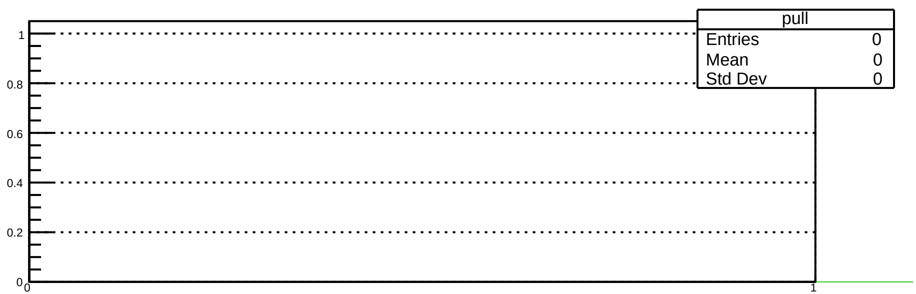

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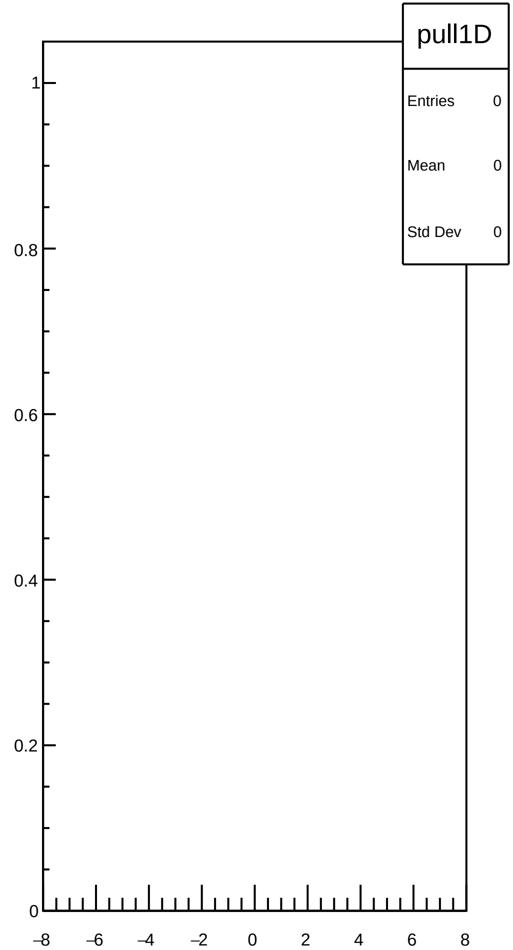
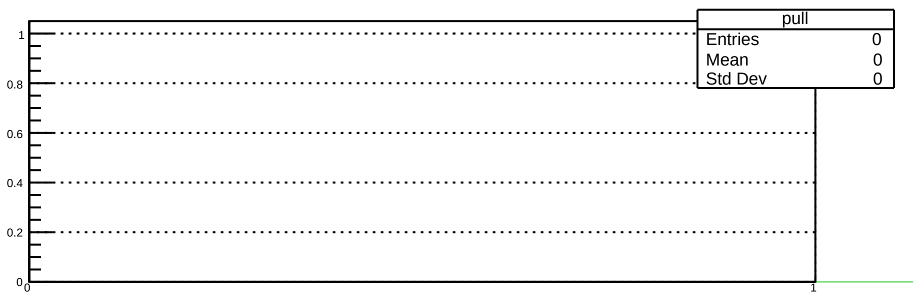
0.8
1
0
1



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


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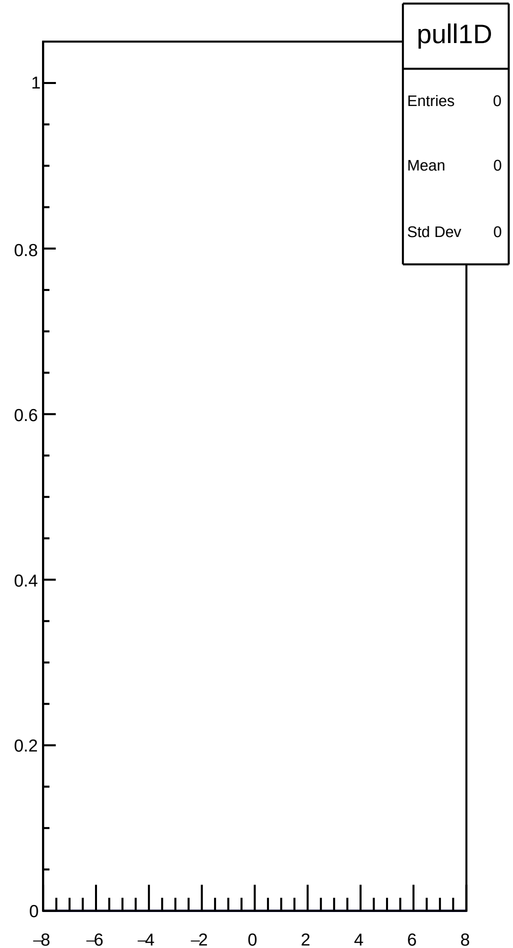
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
0.8
1
–8
–6
–4
–2
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2
4
6
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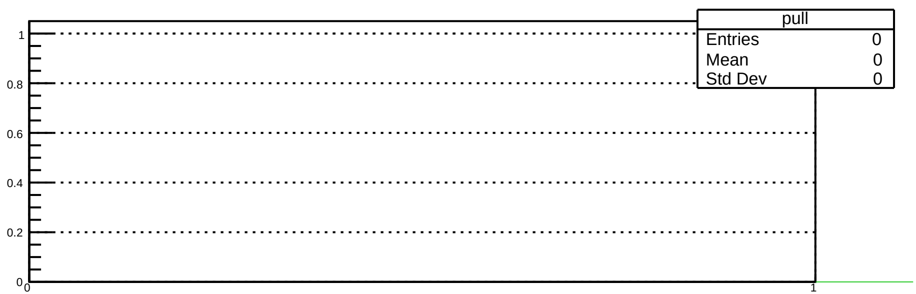
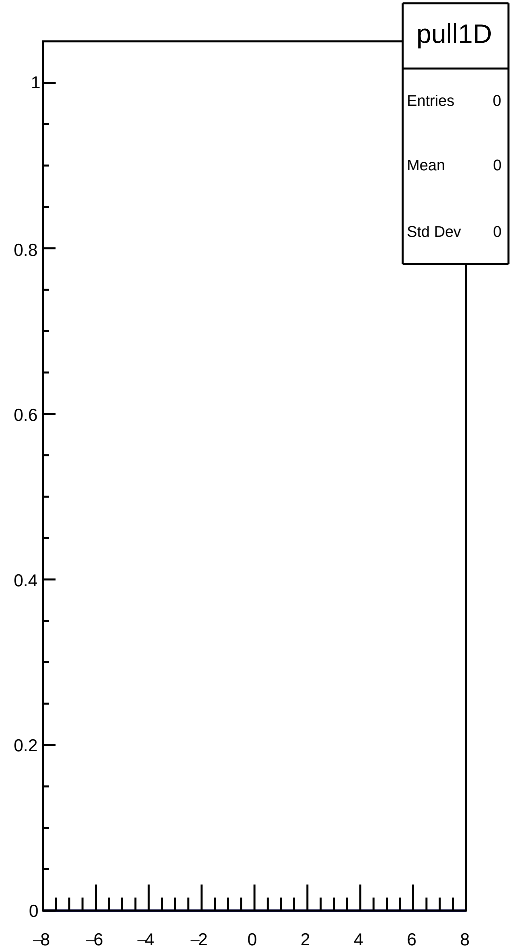
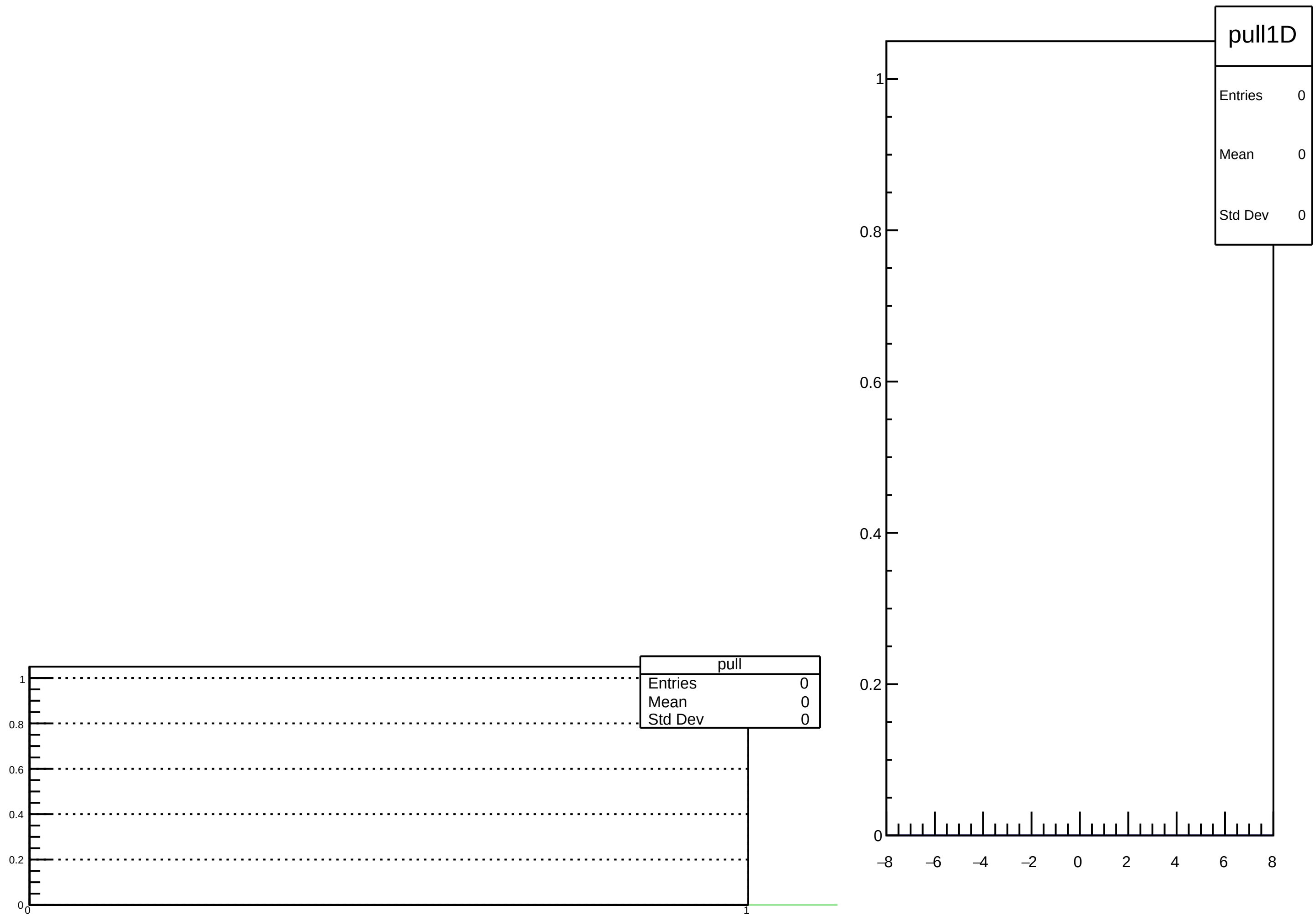
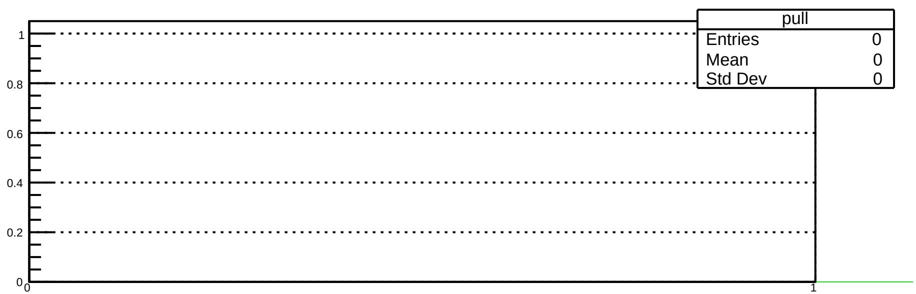


pull
Entries 0
Mean 0
Std Dev 0



pull1D
Entries 0
Mean 0
Std Dev 0


pull
Entries 0
Mean 0
Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0


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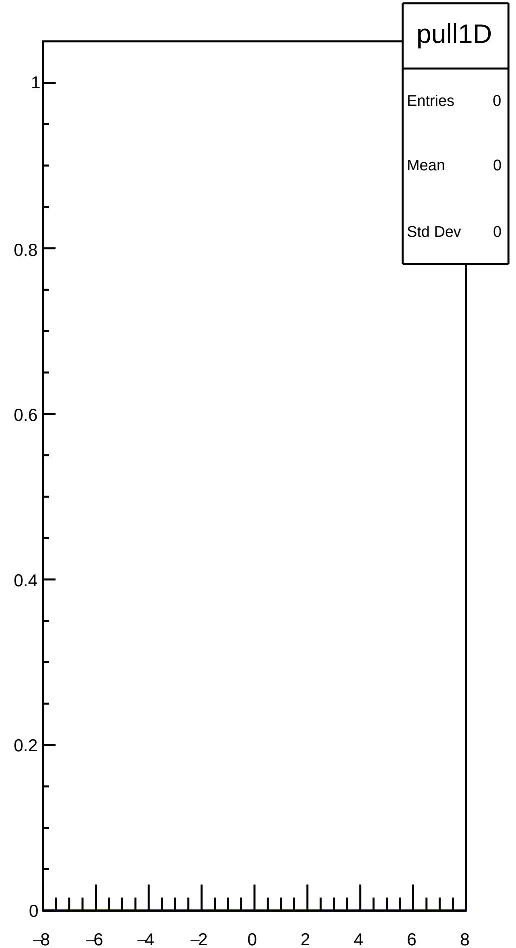
0.8
0.6
0.4
0.2
0
0
1


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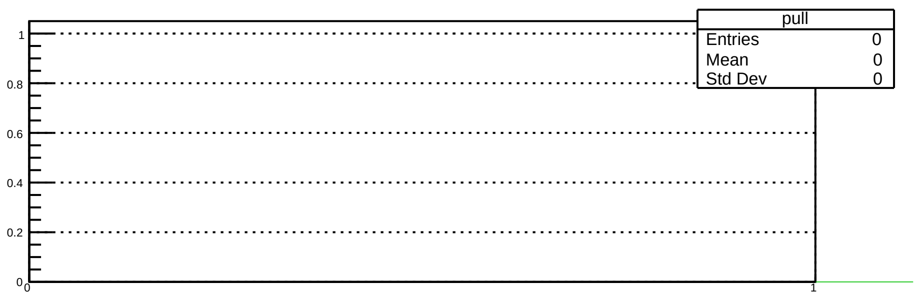
pull
Entries 0
Mean 0
Std Dev 0
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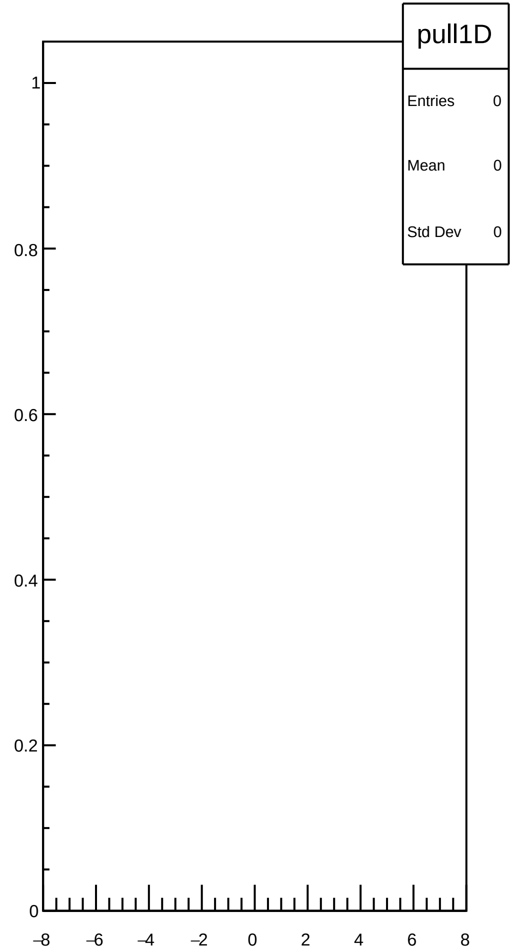
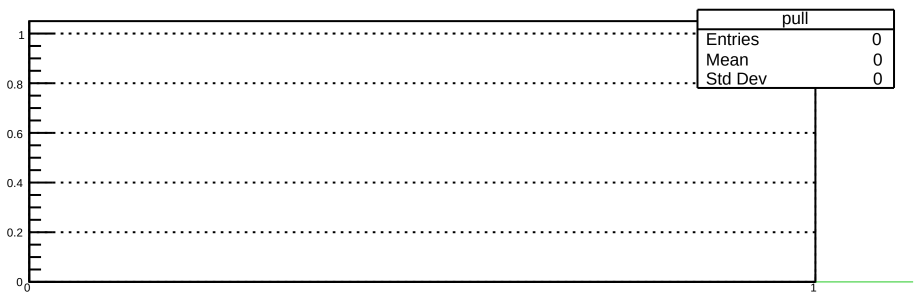
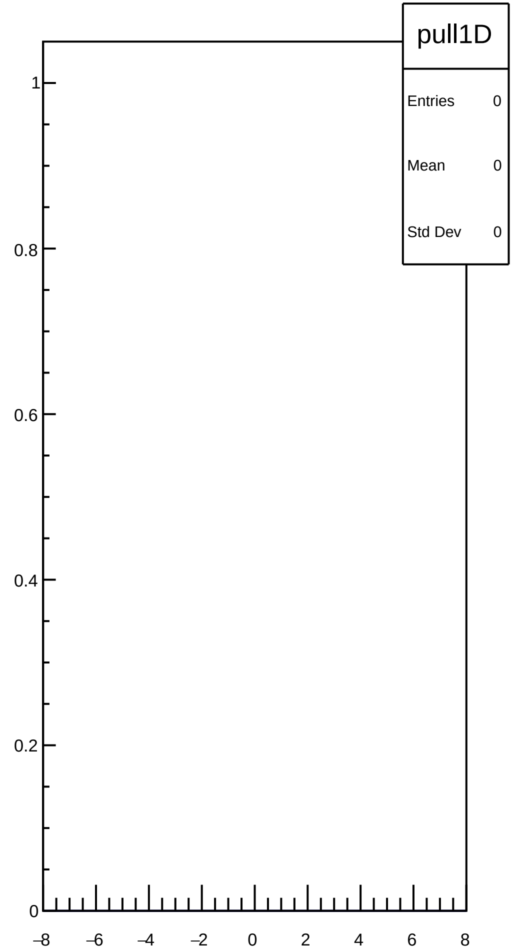
0.8
0.6
0.4
0.2
0
0
1


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


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


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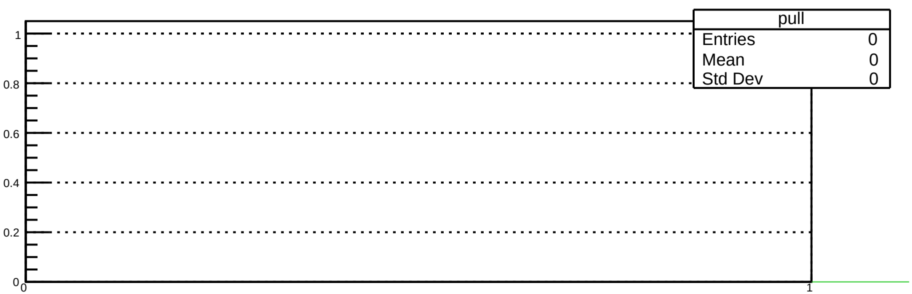
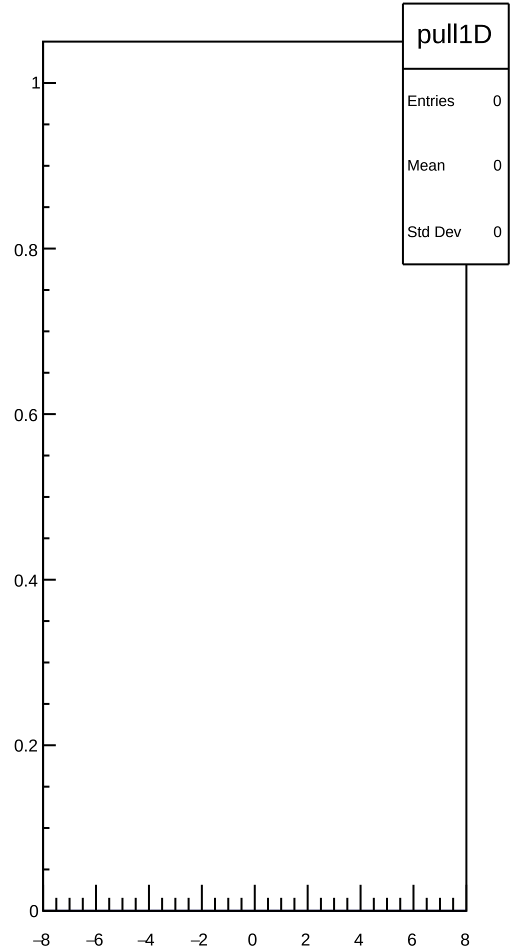
2
4
6
8


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


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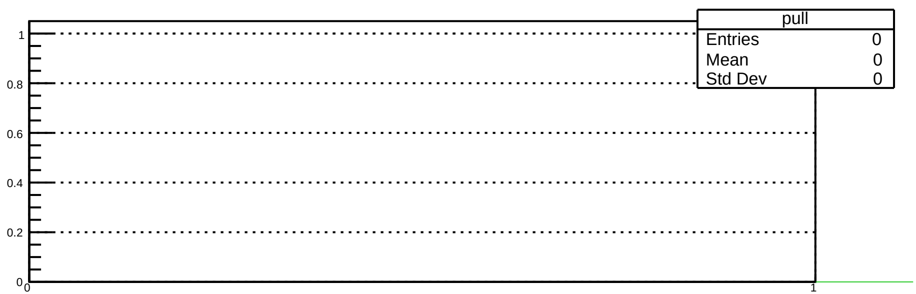
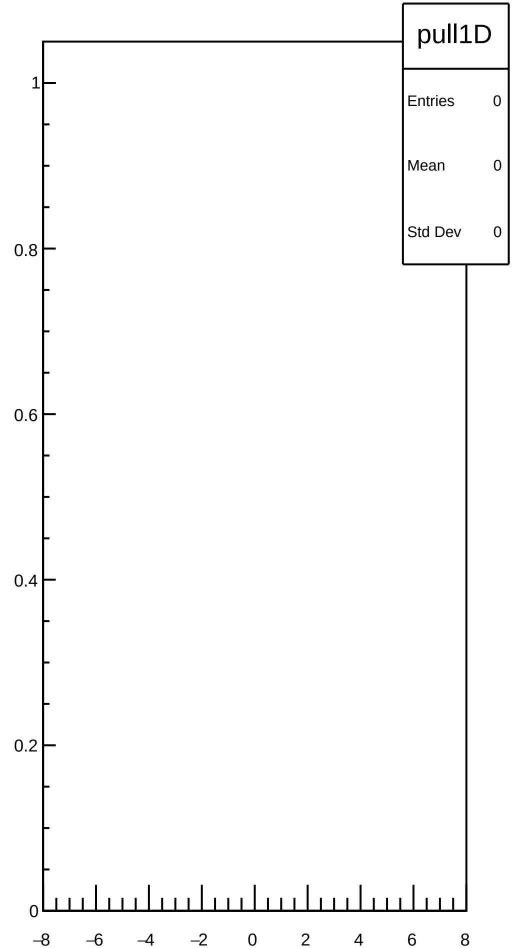
2
4
6
8


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


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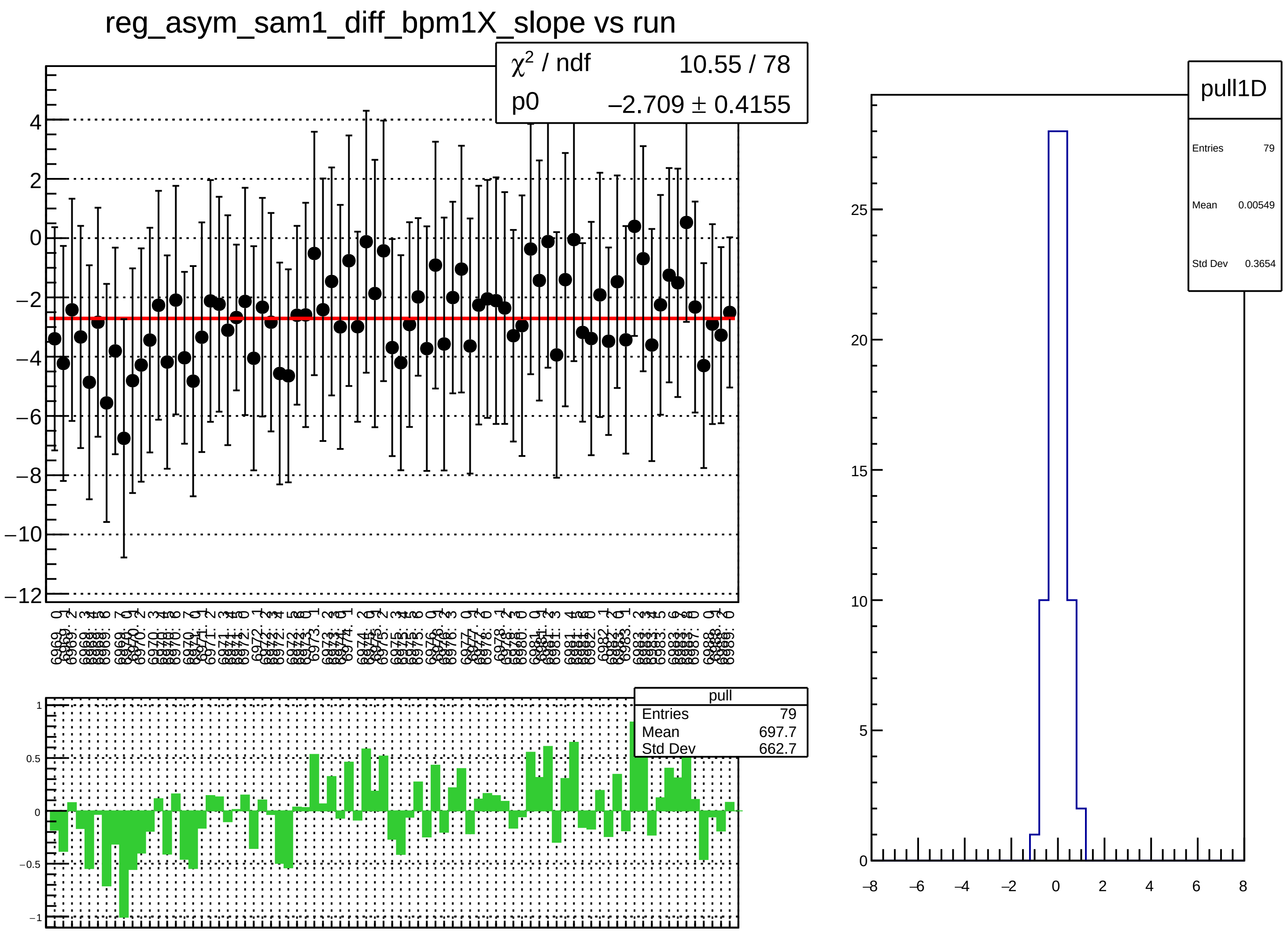
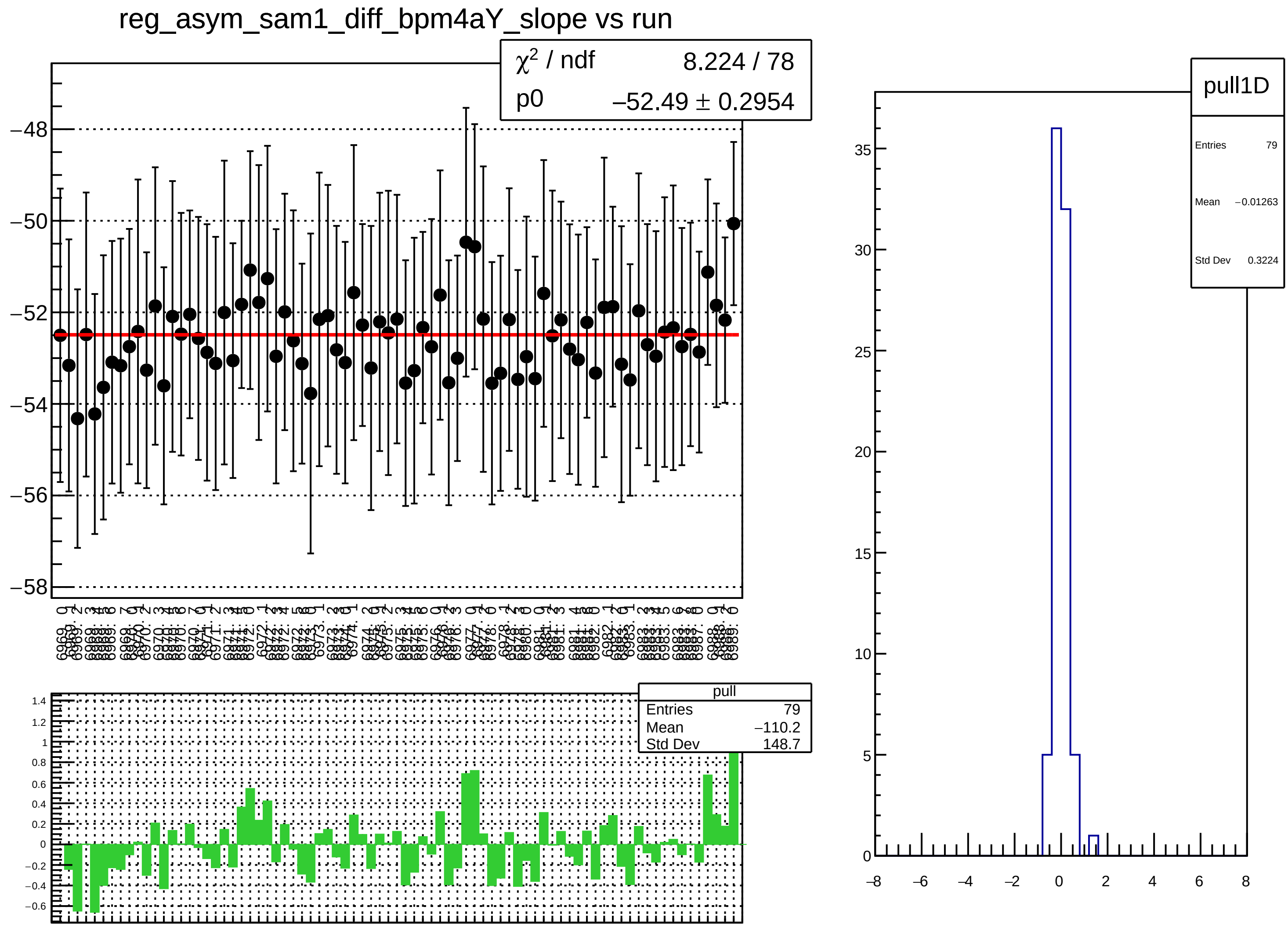
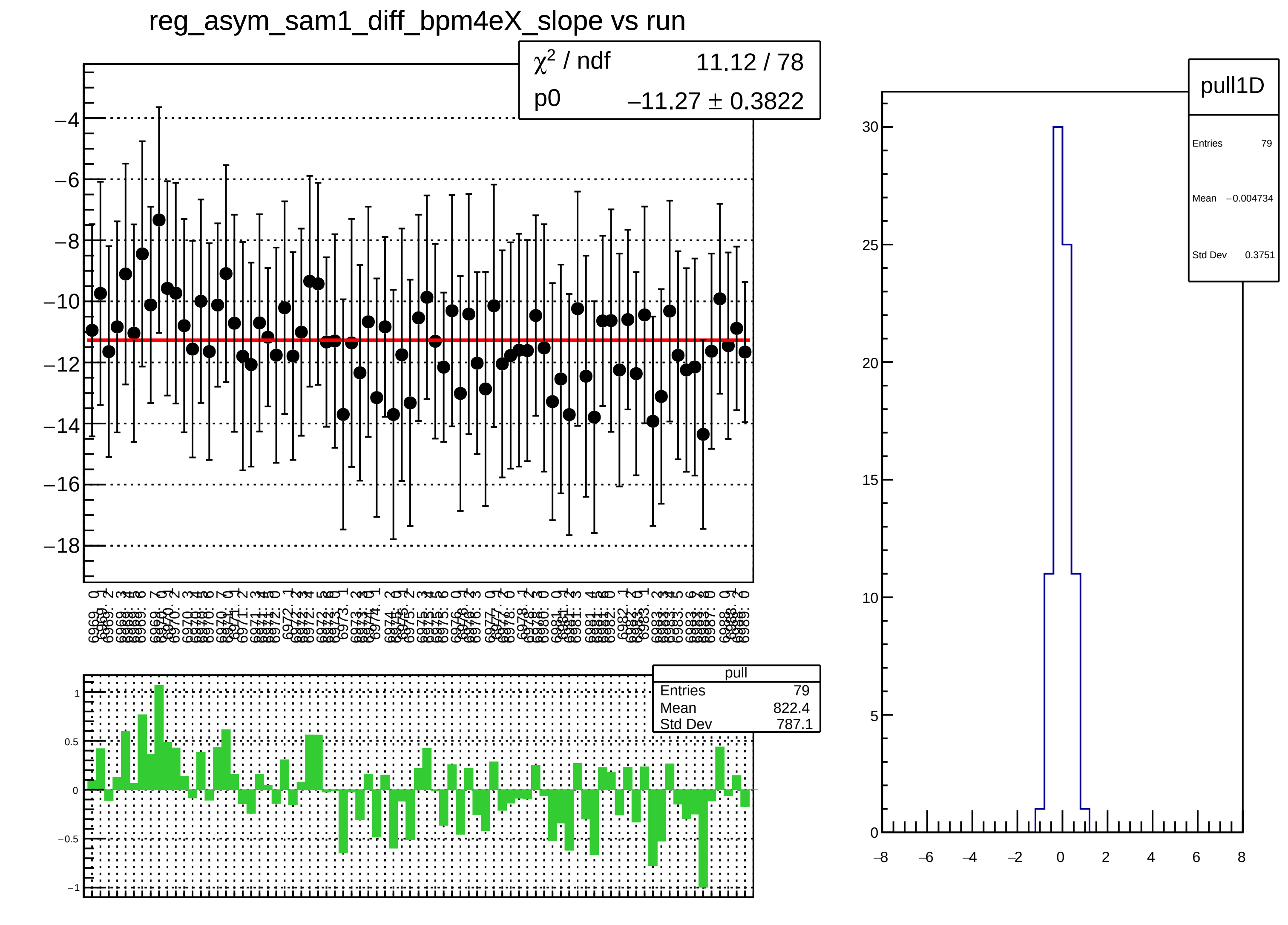
0
2
4
6
8

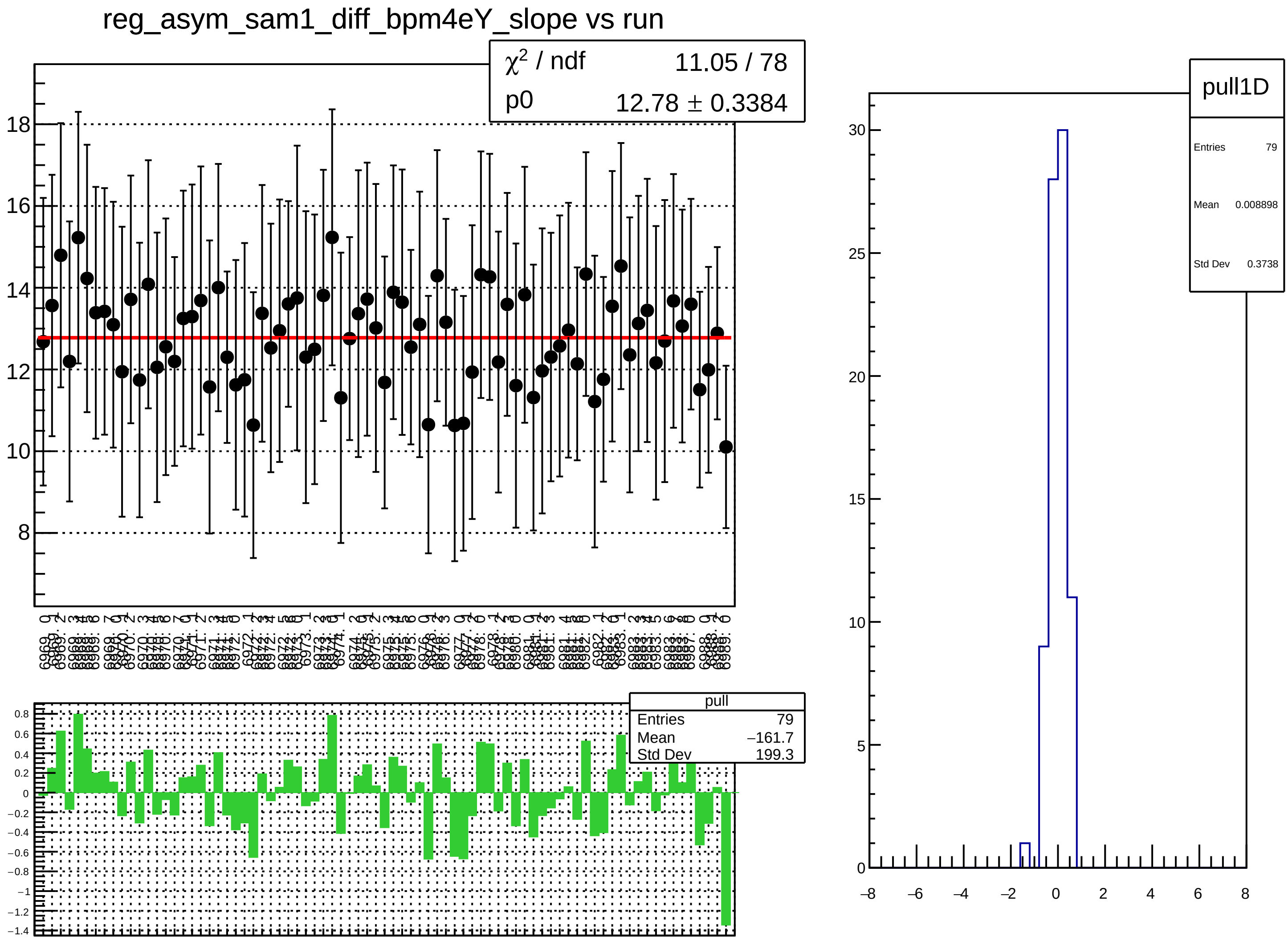


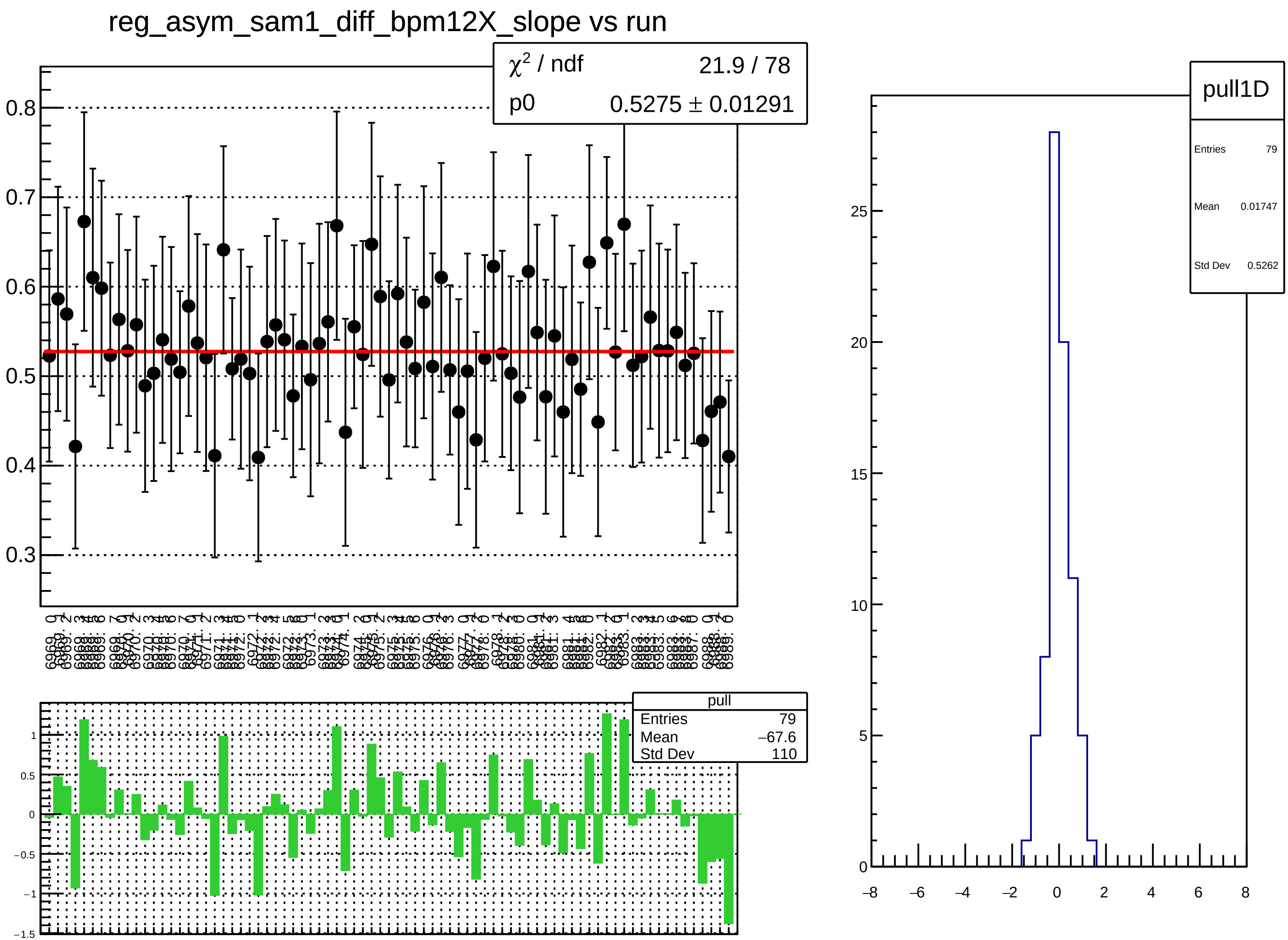
reg_asym_sam1_diff_bpm1X_slope vs run
χ2 / ndf 10.55 / 78
p0 −2.709 ± 0.4155
pull
Entries 79
Mean 697.7
Std Dev 662.7
pull1D
Entries 79
Mean 0.00549
Std Dev 0.3654


reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 8.224 / 78
p0 −52.49 ± 0.2954
pull
Entries 79
Mean −110.2
Std Dev 148.7
pull1D
Entries 79
Mean −0.01263
Std Dev 0.3224

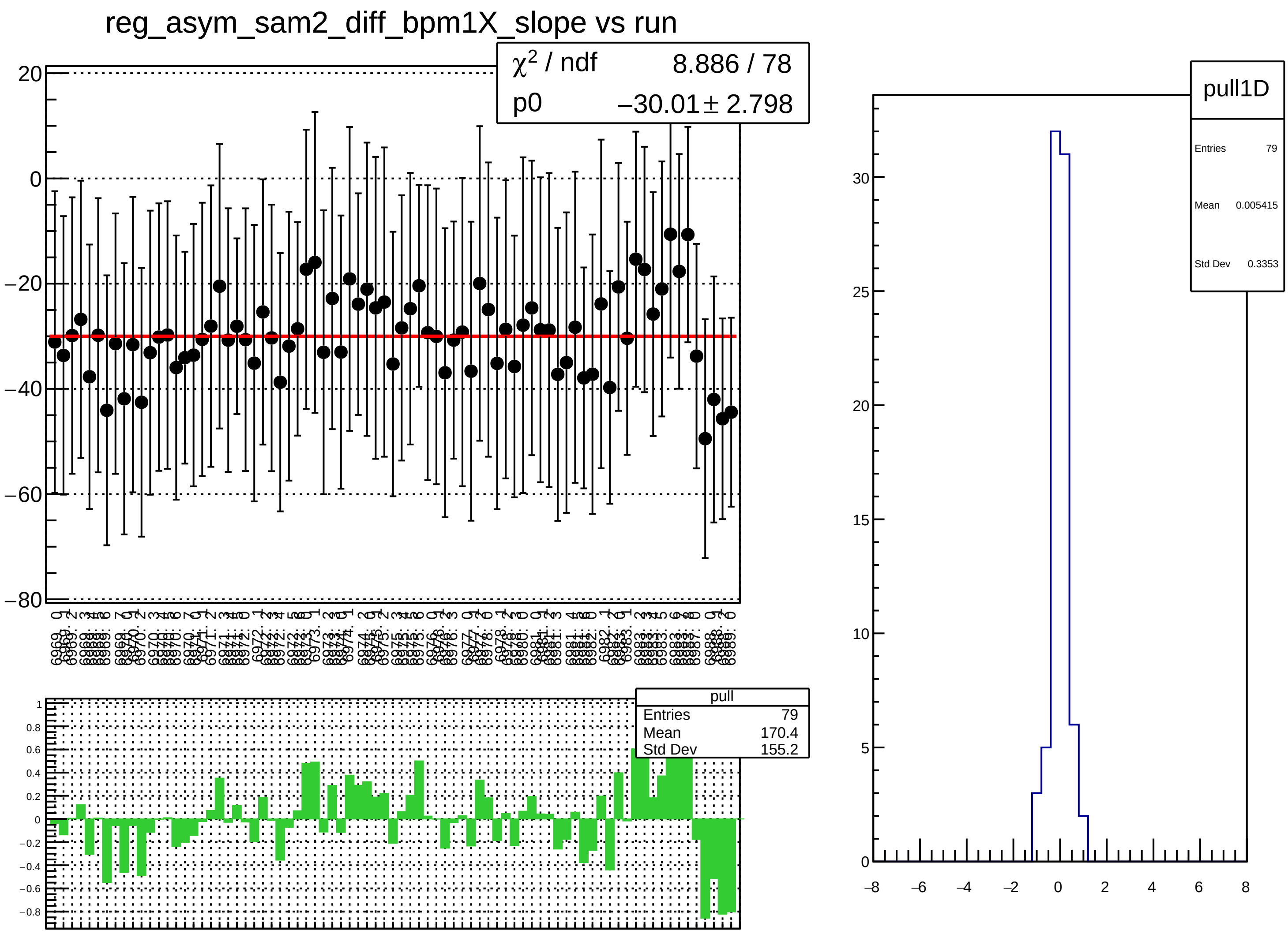


reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 11.12 / 78
p0 −11.27 ± 0.3822
pull
Entries 79
Mean 822.4
Std Dev 787.1
pull1D
Entries 79
Mean −0.004734
Std Dev 0.3751

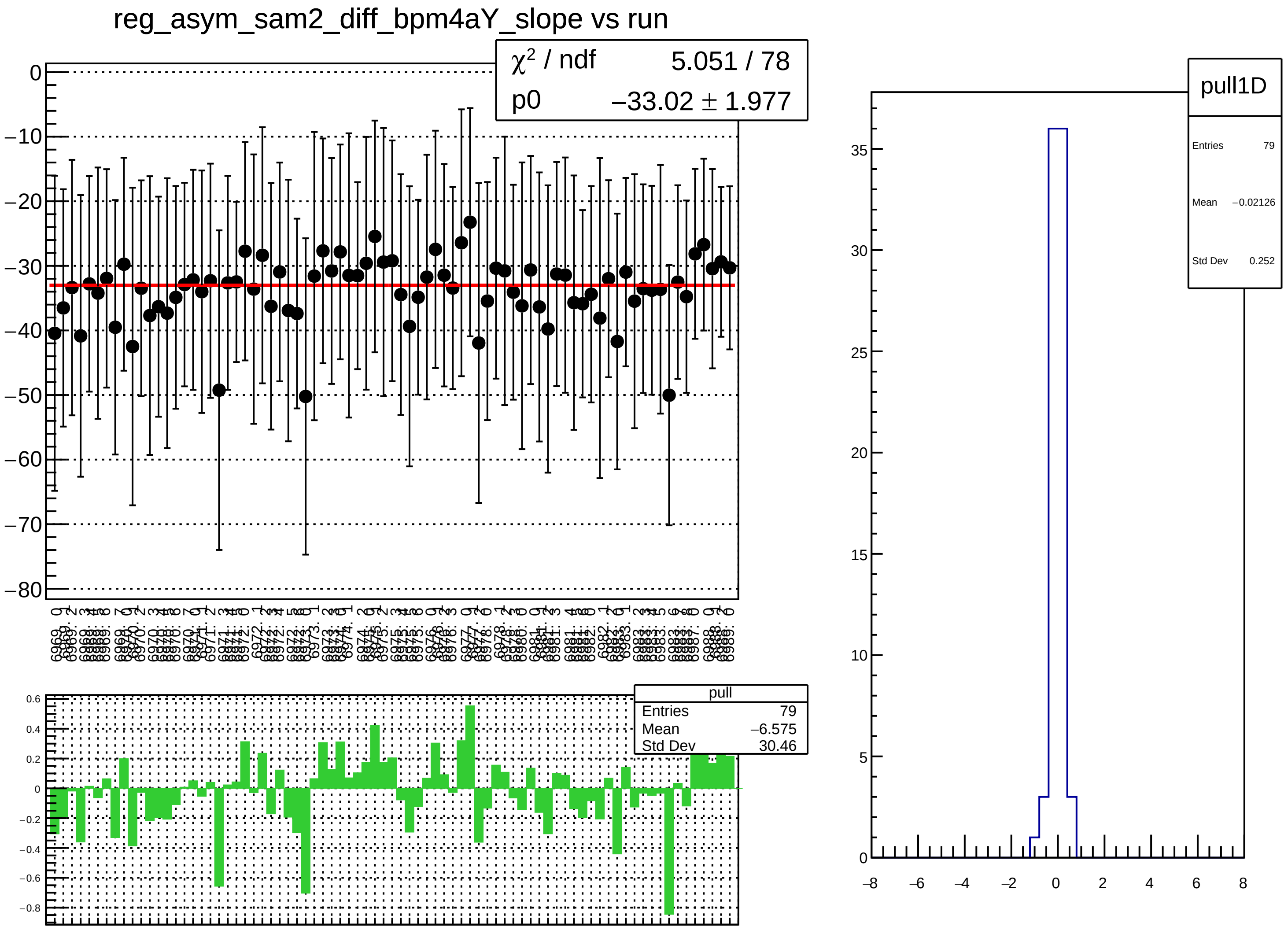

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 11.05 / 78
p0 12.78 ± 0.3384
pull
Entries 79
Mean −161.7
Std Dev 199.3
pull1D
Entries 79
Mean 0.008898
Std Dev 0.3738



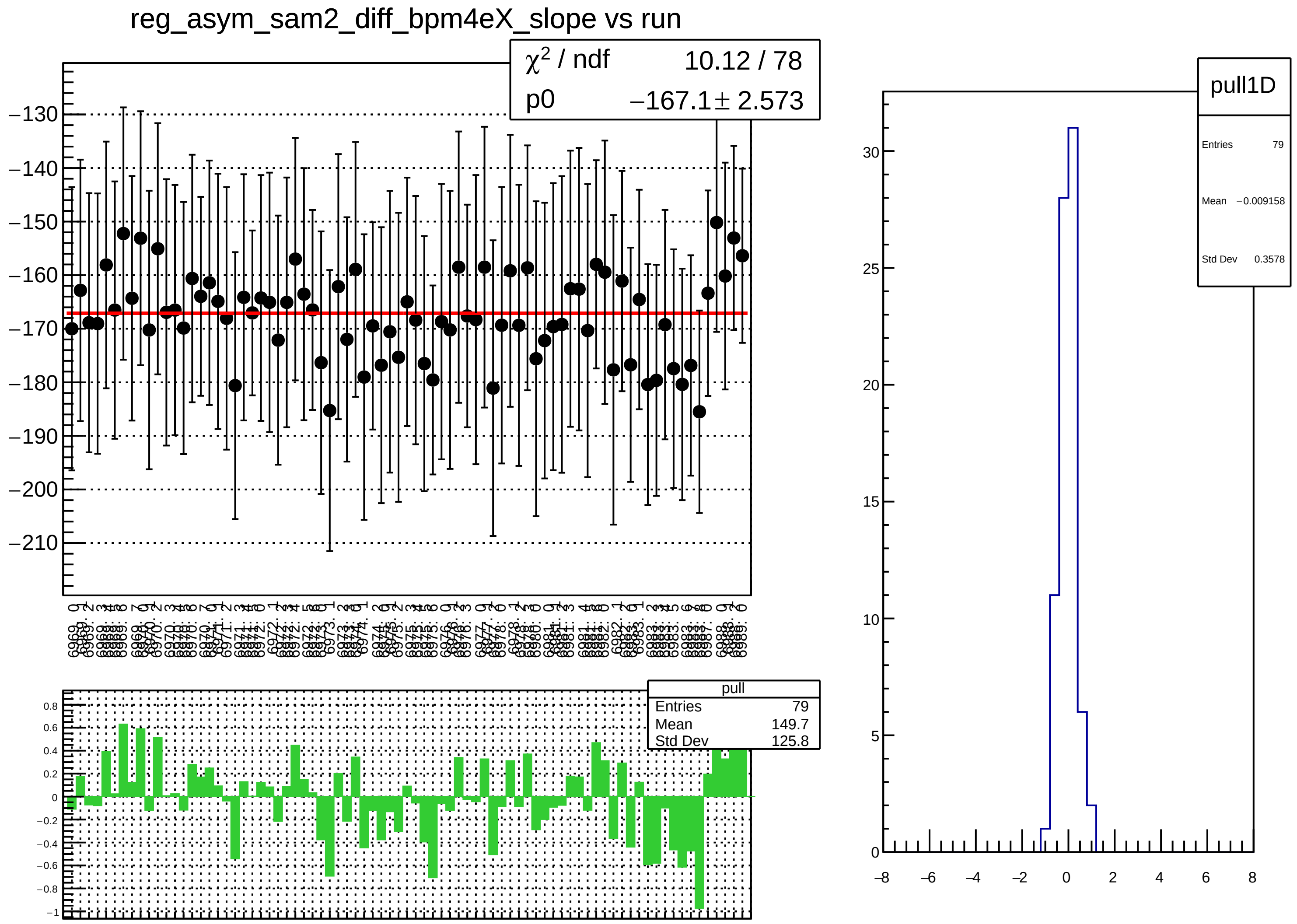
reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 21.9 / 78
p0 0.5275 ± 0.01291
pull
Entries 79
Mean −67.6
Std Dev 110
pull1D
Entries 79
Mean 0.01747
Std Dev 0.5262



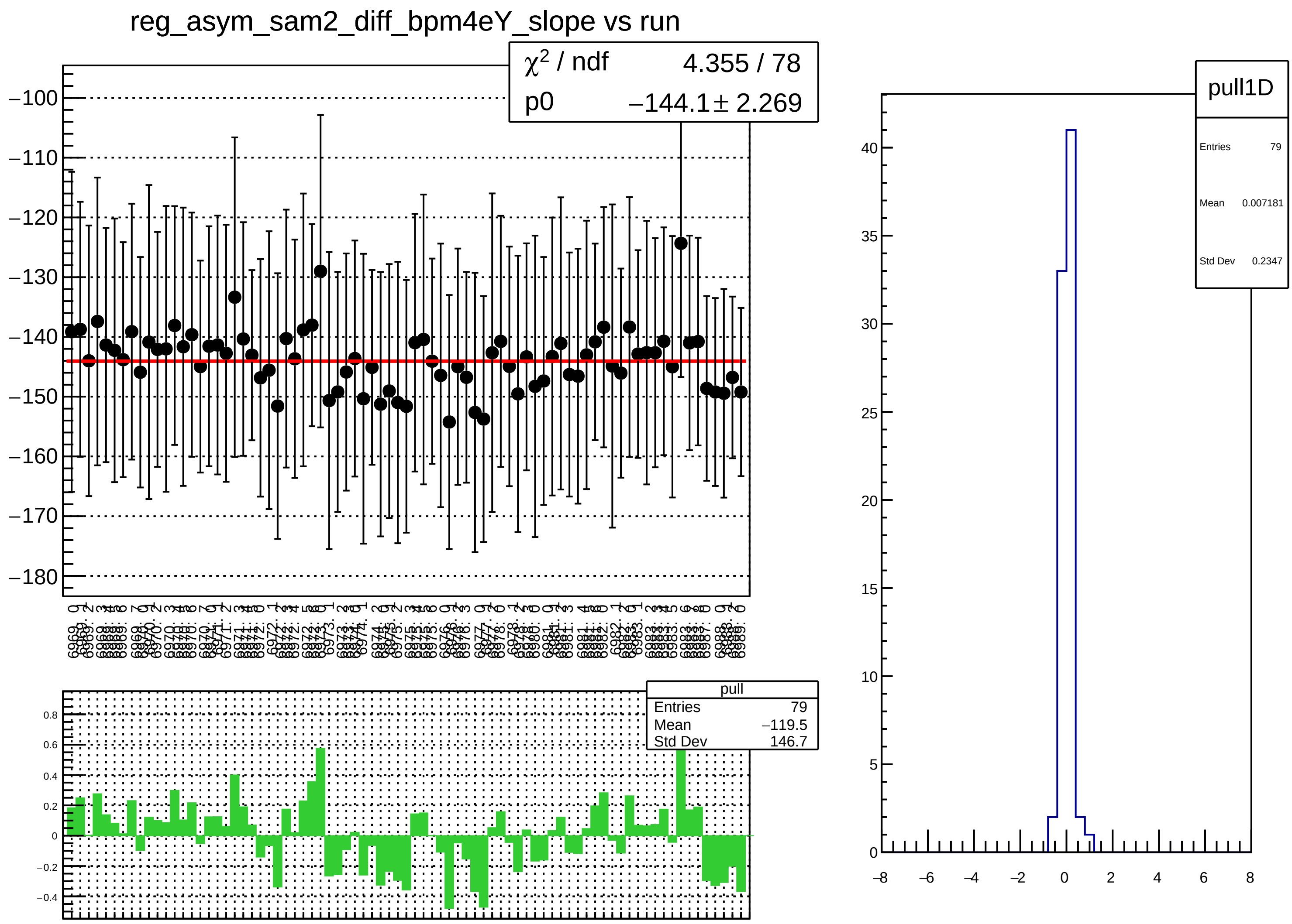
reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 8.886 / 78
p0 −30.01 ± 2.798
pull
Entries 79
Mean 170.4
Std Dev 155.2
pull1D
Entries 79
Mean 0.005415
Std Dev 0.3353



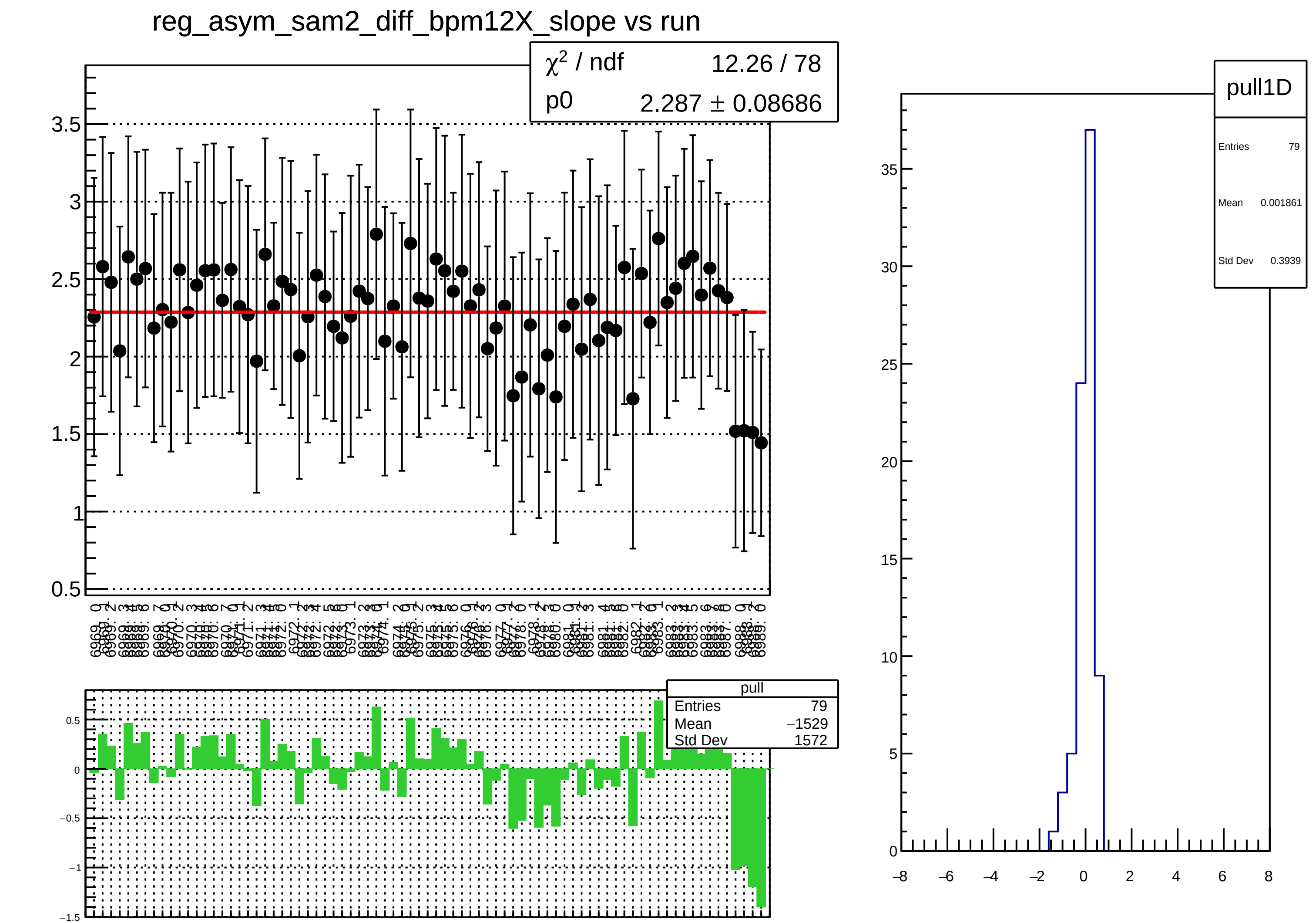
reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.051 / 78
p0 −33.02 ± 1.977
pull
Entries 79
Mean −6.575
Std Dev 30.46
pull1D
Entries 79
Mean −0.02126
Std Dev 0.252

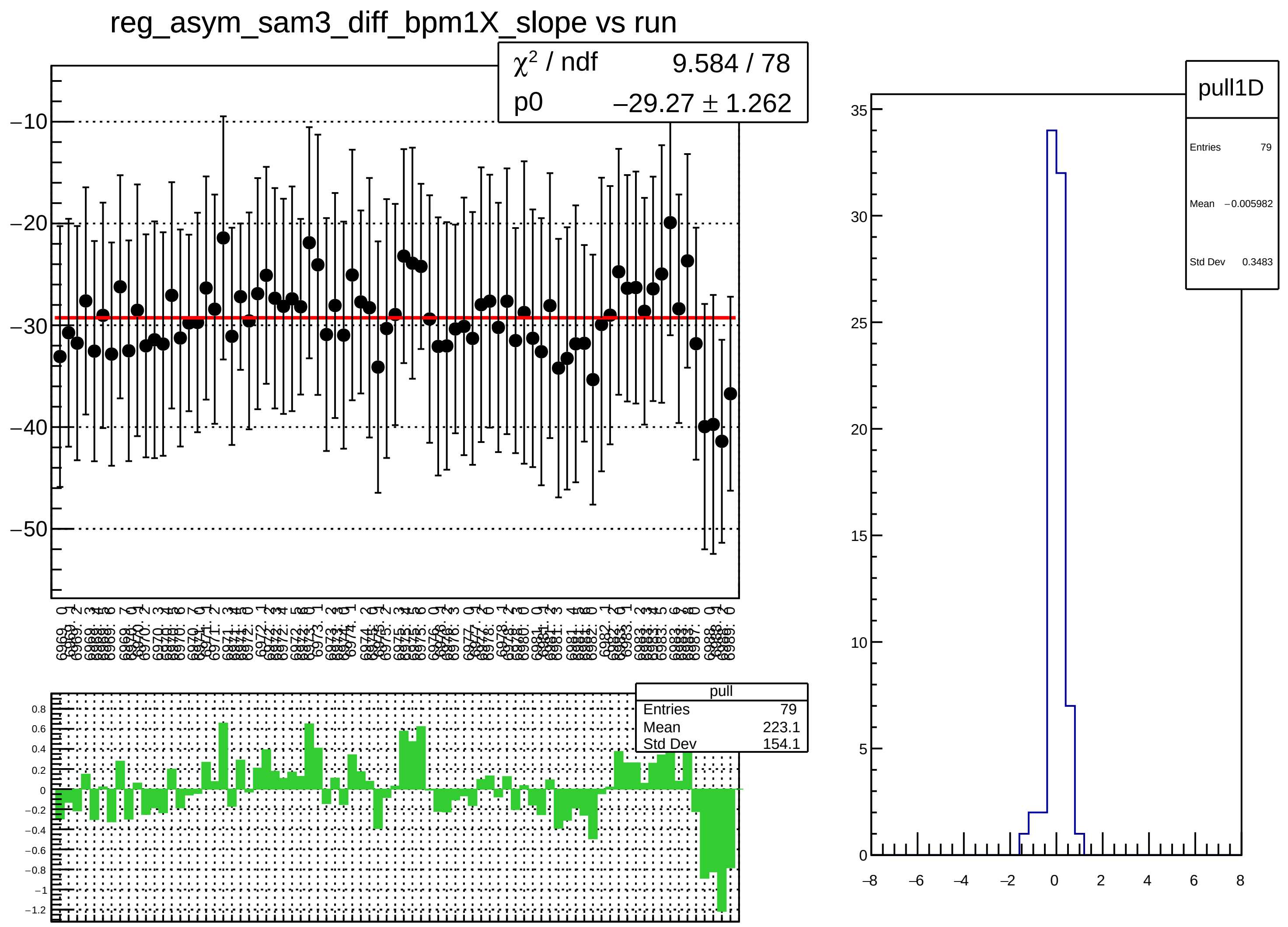


reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 10.12 / 78
p0 −167.1 ± 2.573
pull
Entries 79
Mean 149.7
Std Dev 125.8
pull1D
Entries 79
Mean −0.009158
Std Dev 0.3578

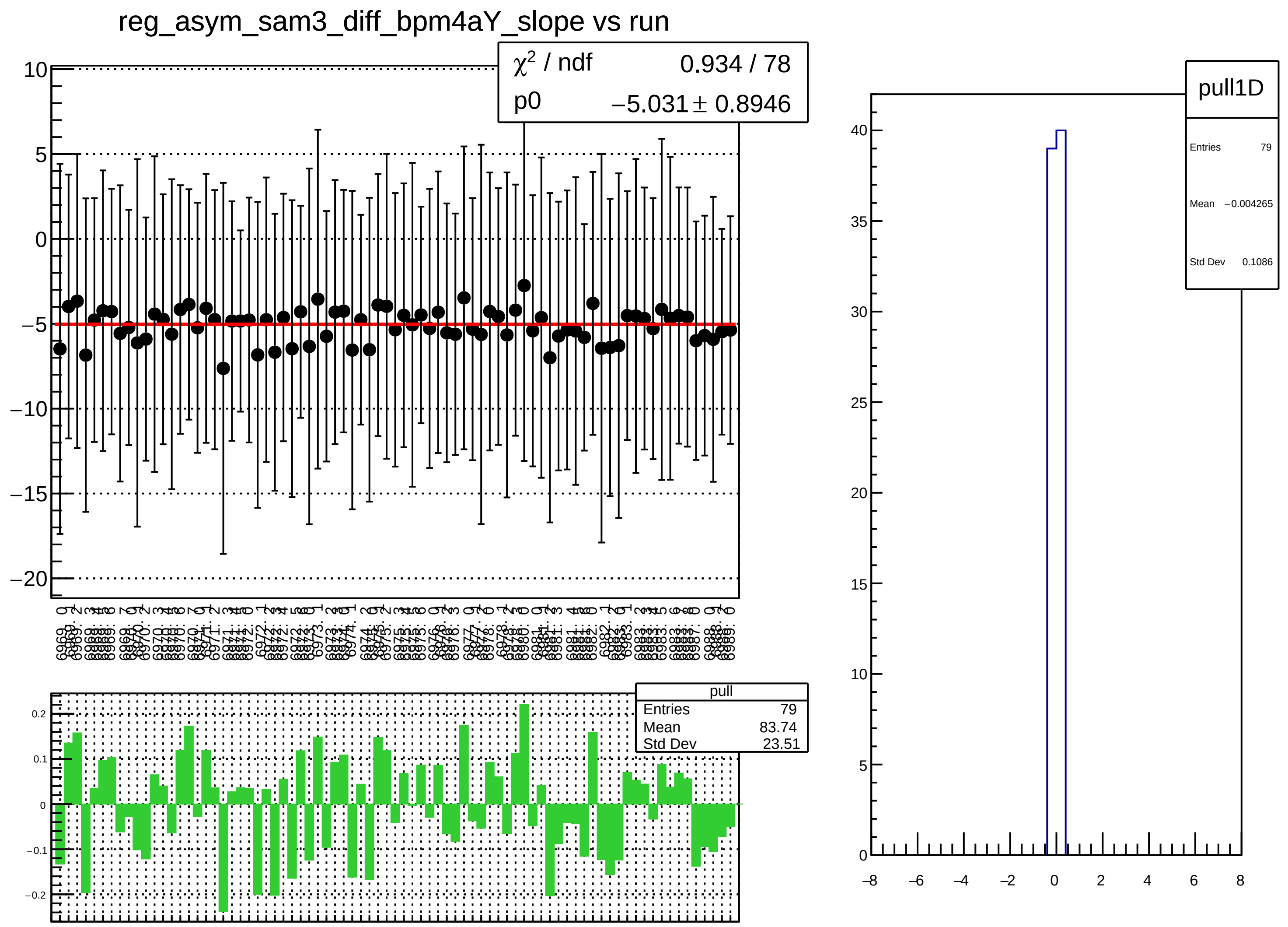


reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.355 / 78
p0 −144.1 ± 2.269
pull
Entries 79
Mean −119.5
Std Dev 146.7
pull1D
Entries 79
Mean 0.007181
Std Dev 0.2347

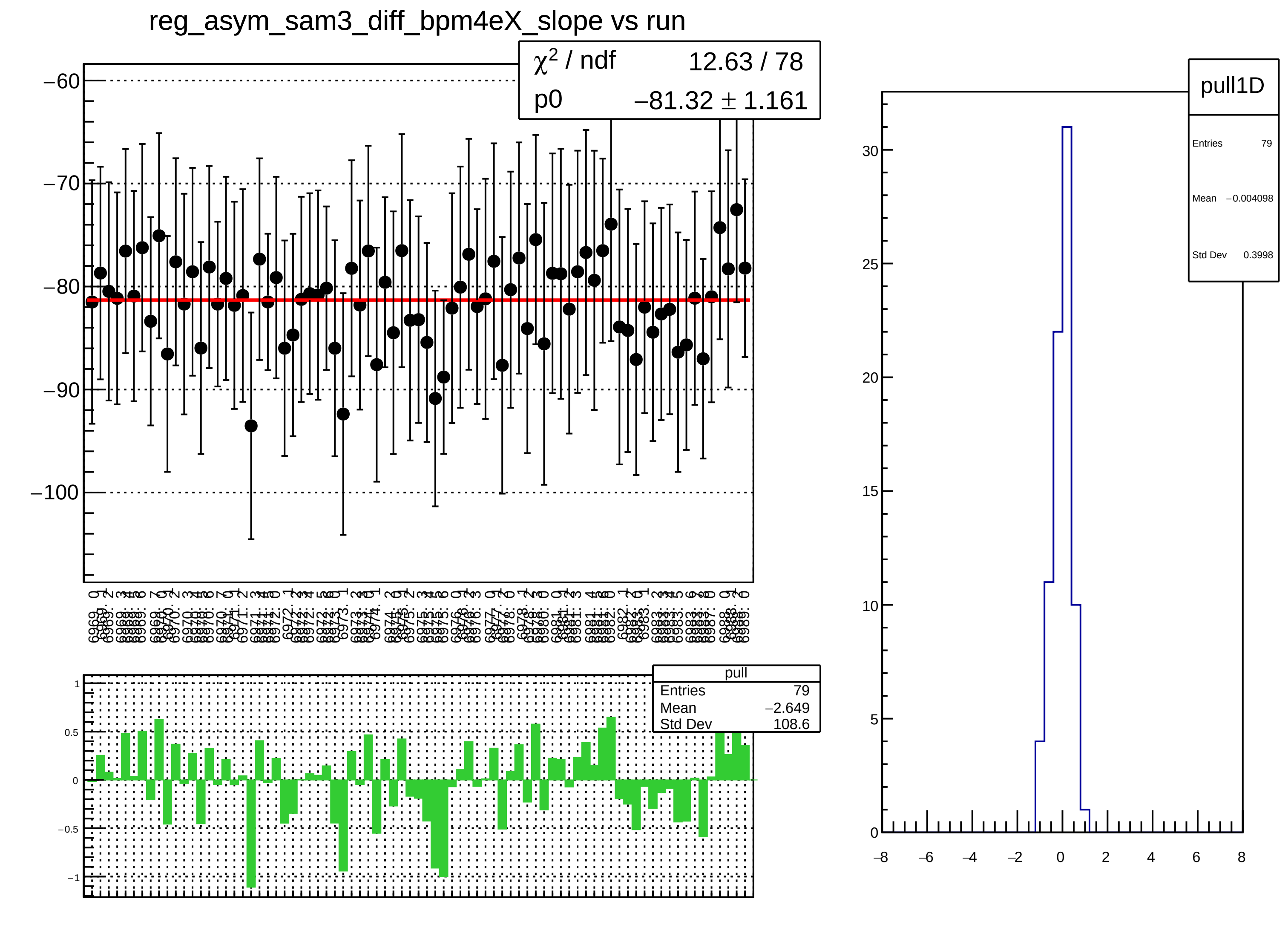

reg_asym_sam2_diff_bpm12X_slope vs run
χ2 / ndf 12.26 / 78
p0 2.287 ± 0.08686
pull
Entries 79
Mean −1529
Std Dev 1572
pull1D
Entries 79
Mean 0.001861
Std Dev 0.3939



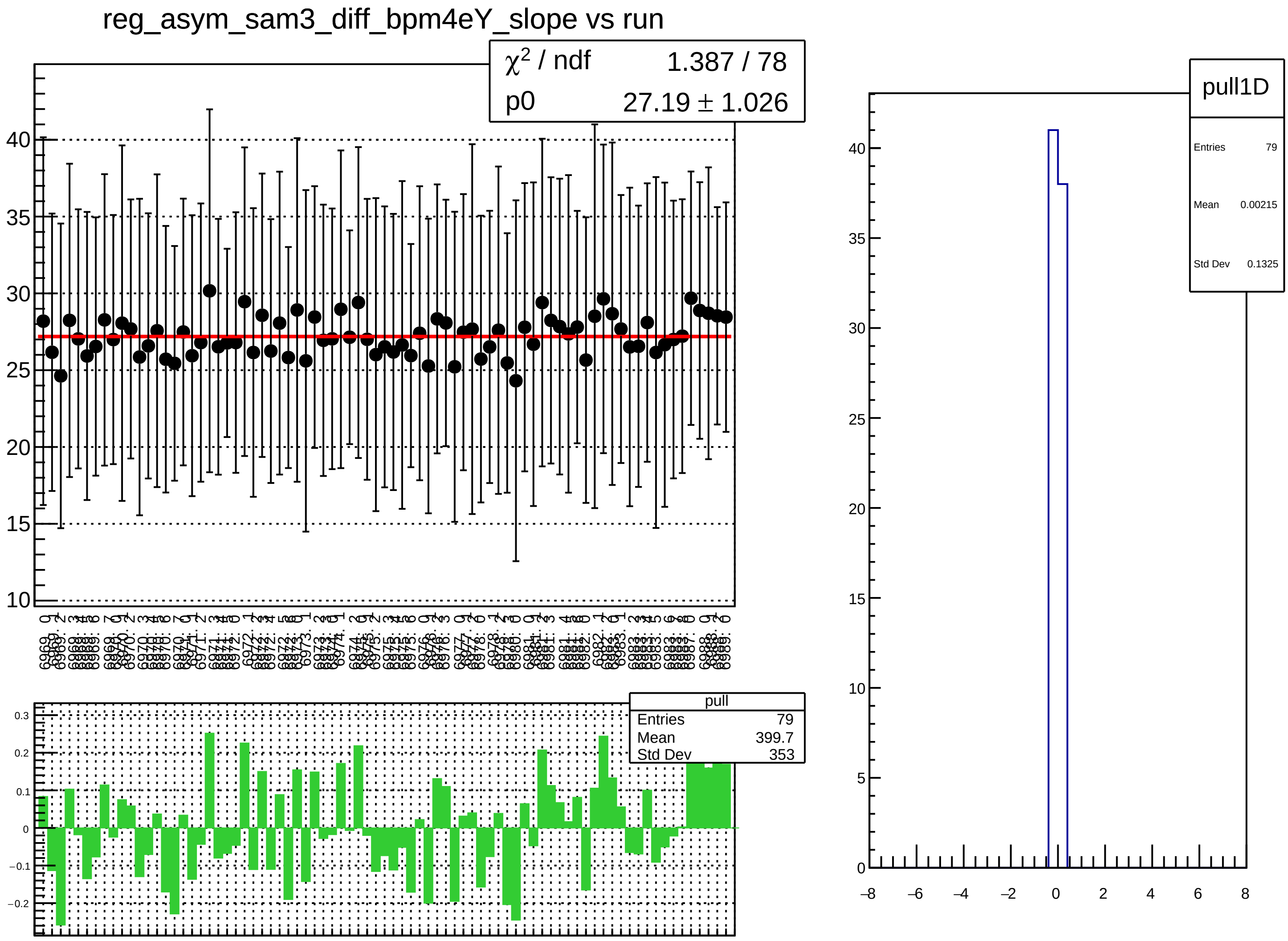
reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 9.584 / 78
p0 −29.27 ± 1.262
pull
Entries 79
Mean 223.1
Std Dev 154.1
pull1D
Entries 79
Mean −0.005982
Std Dev 0.3483



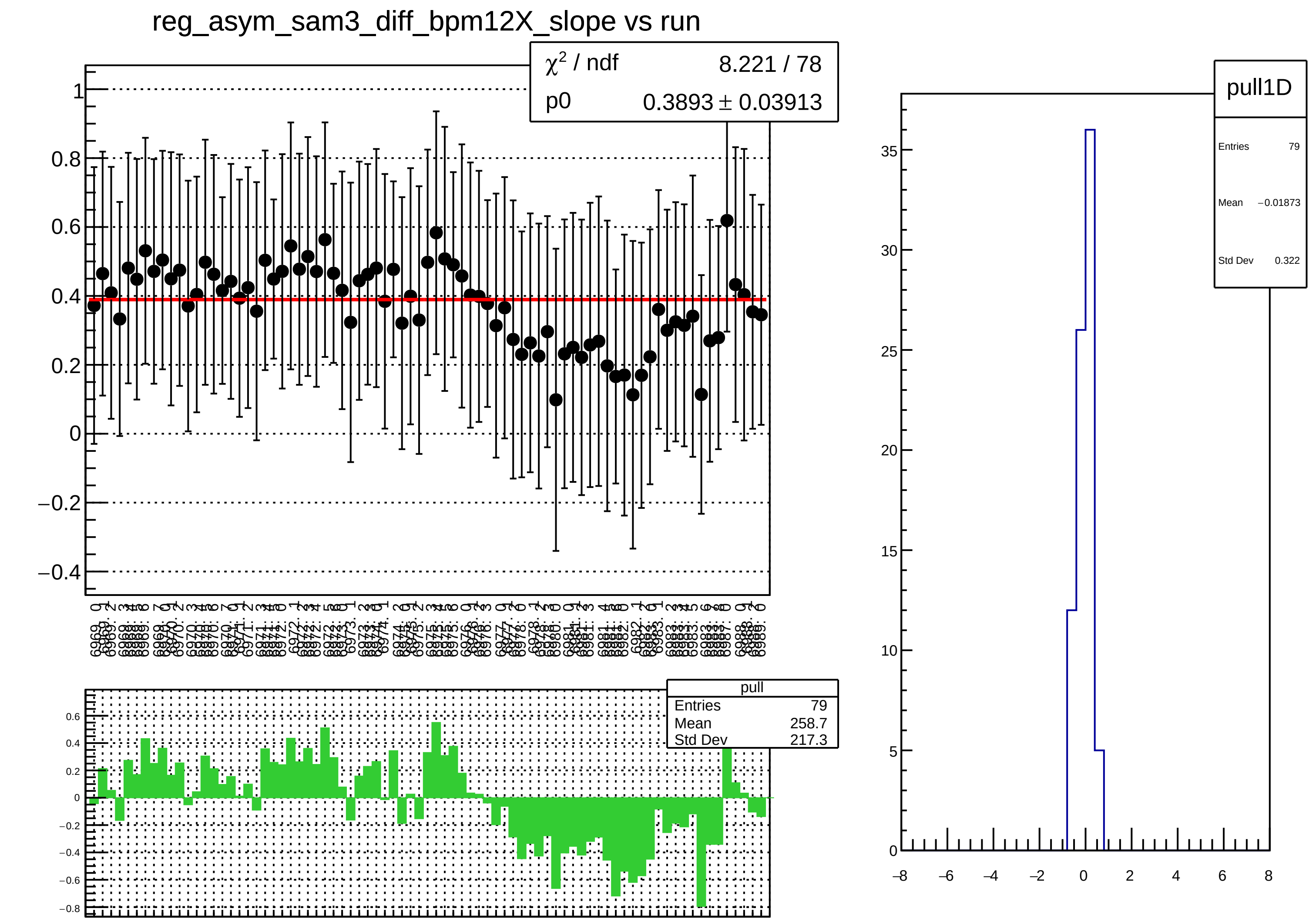
reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 0.934 / 78
p0 −5.031 ± 0.8946
pull
Entries 79
Mean 83.74
Std Dev 23.51
pull1D
Entries 79
Mean −0.004265
Std Dev 0.1086



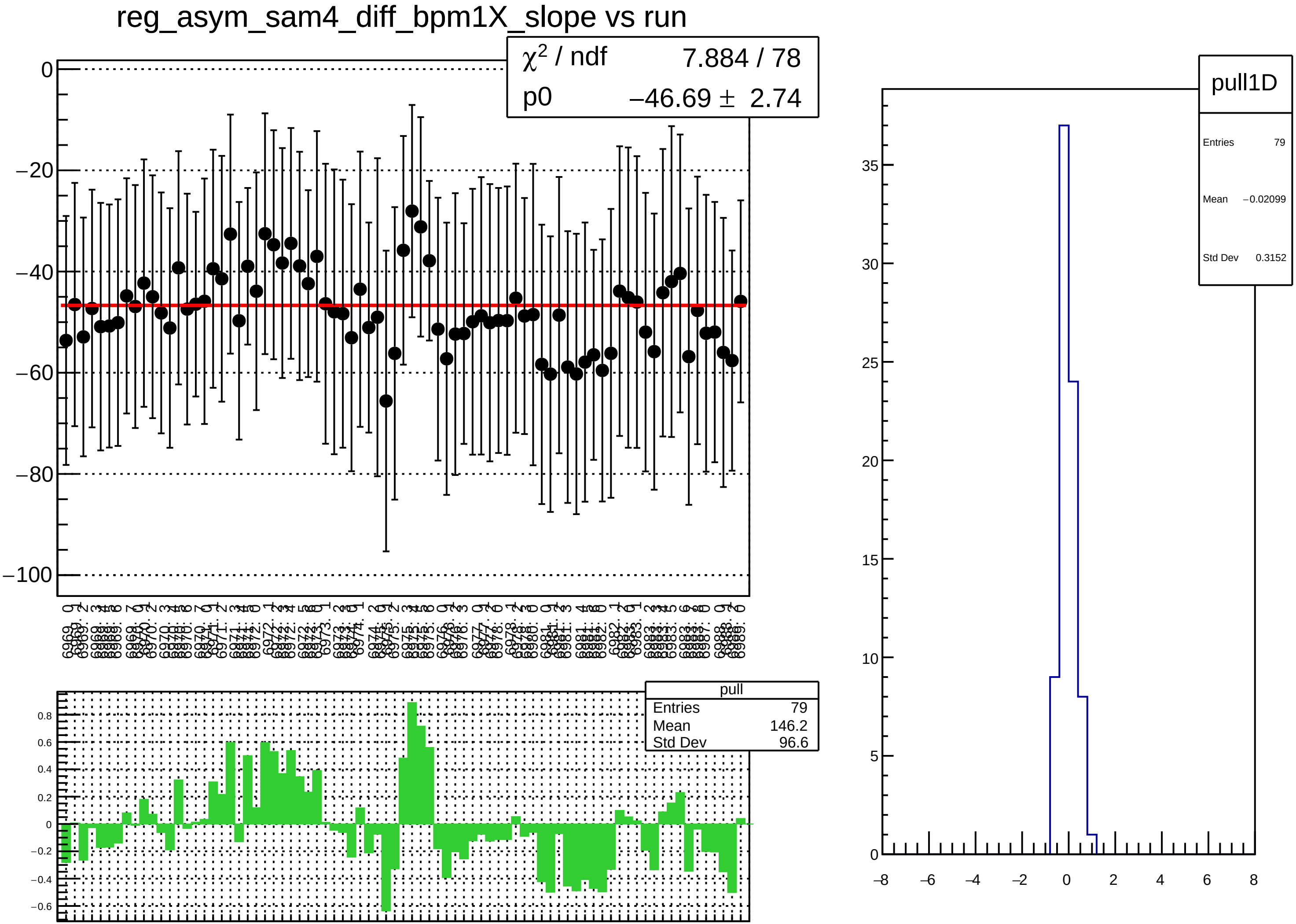
reg_asym_sam3_diff_bpm4eX_slope vs run
χ2 / ndf 12.63 / 78
p0 −81.32 ± 1.161
pull
Entries 79
Mean −2.649
Std Dev 108.6
pull1D
Entries 79
Mean −0.004098
Std Dev 0.3998



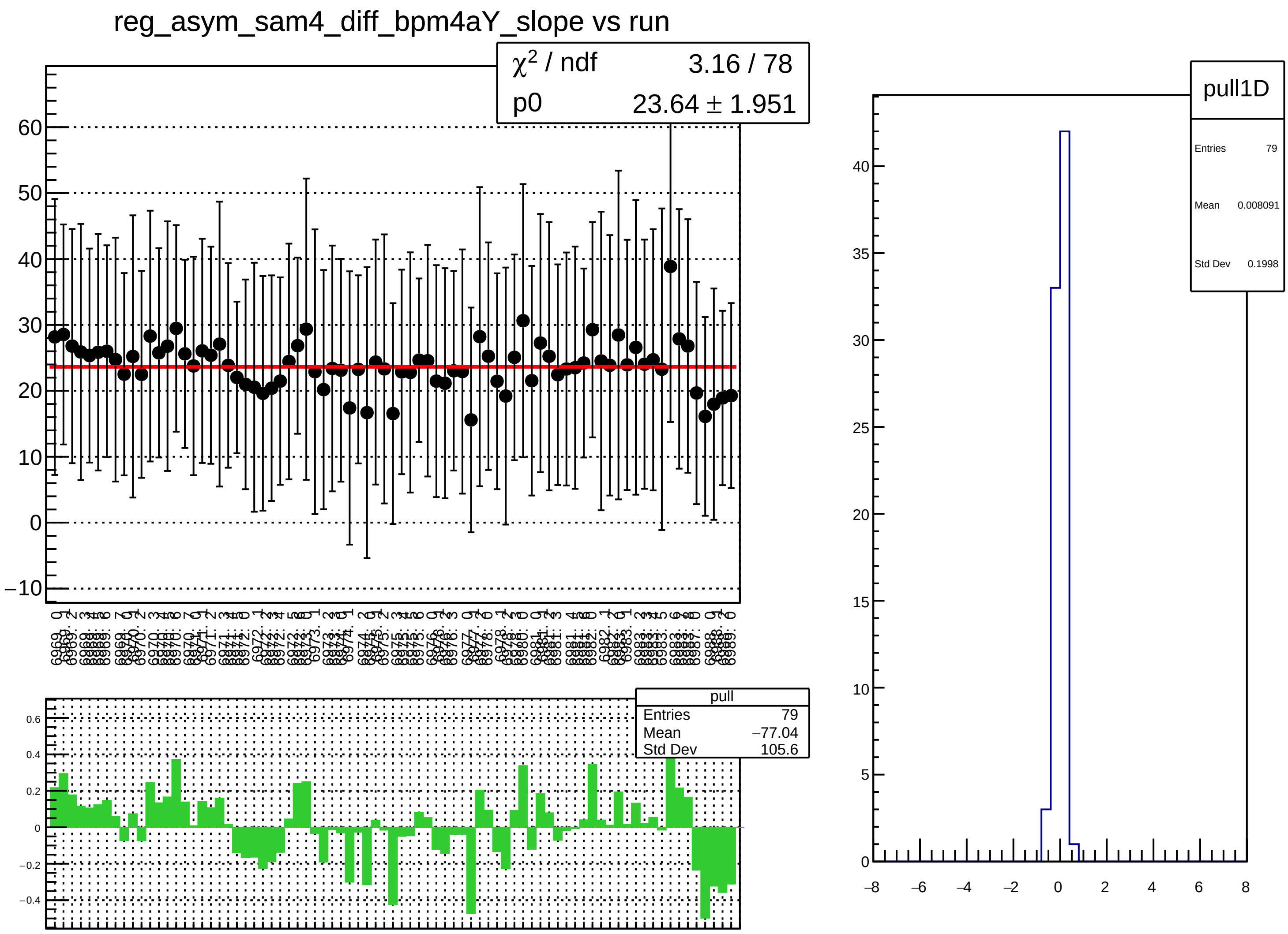
reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 1.387 / 78
p0 27.19 ± 1.026
pull
Entries 79
Mean 399.7
Std Dev 353
pull1D
Entries 79
Mean 0.00215
Std Dev 0.1325



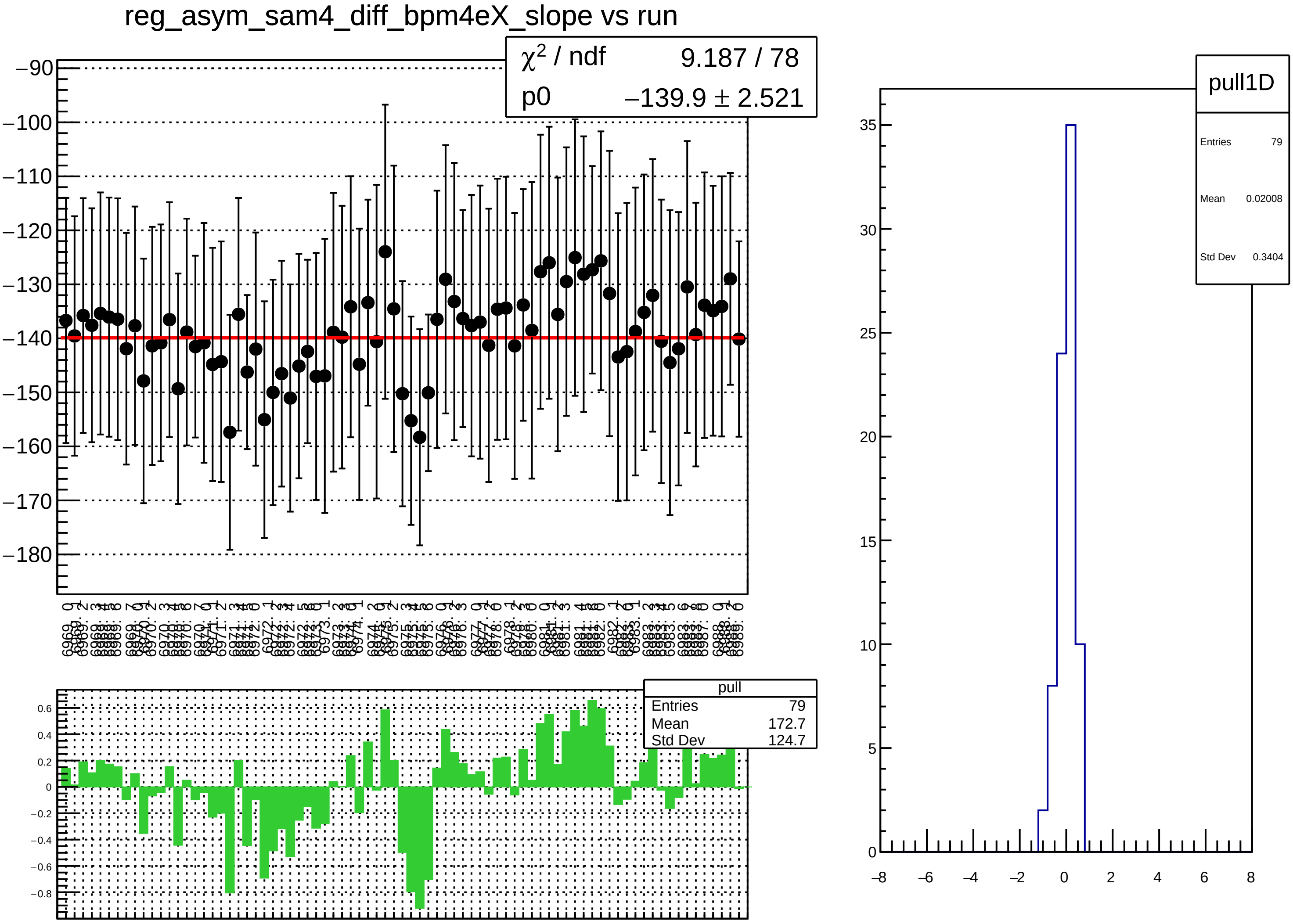
reg_asym_sam3_diff_bpm12X_slope vs run
χ2 / ndf 8.221 / 78
p0 0.3893 ± 0.03913
pull
Entries 79
Mean 258.7
Std Dev 217.3
pull1D
Entries 79
Mean −0.01873
Std Dev 0.322



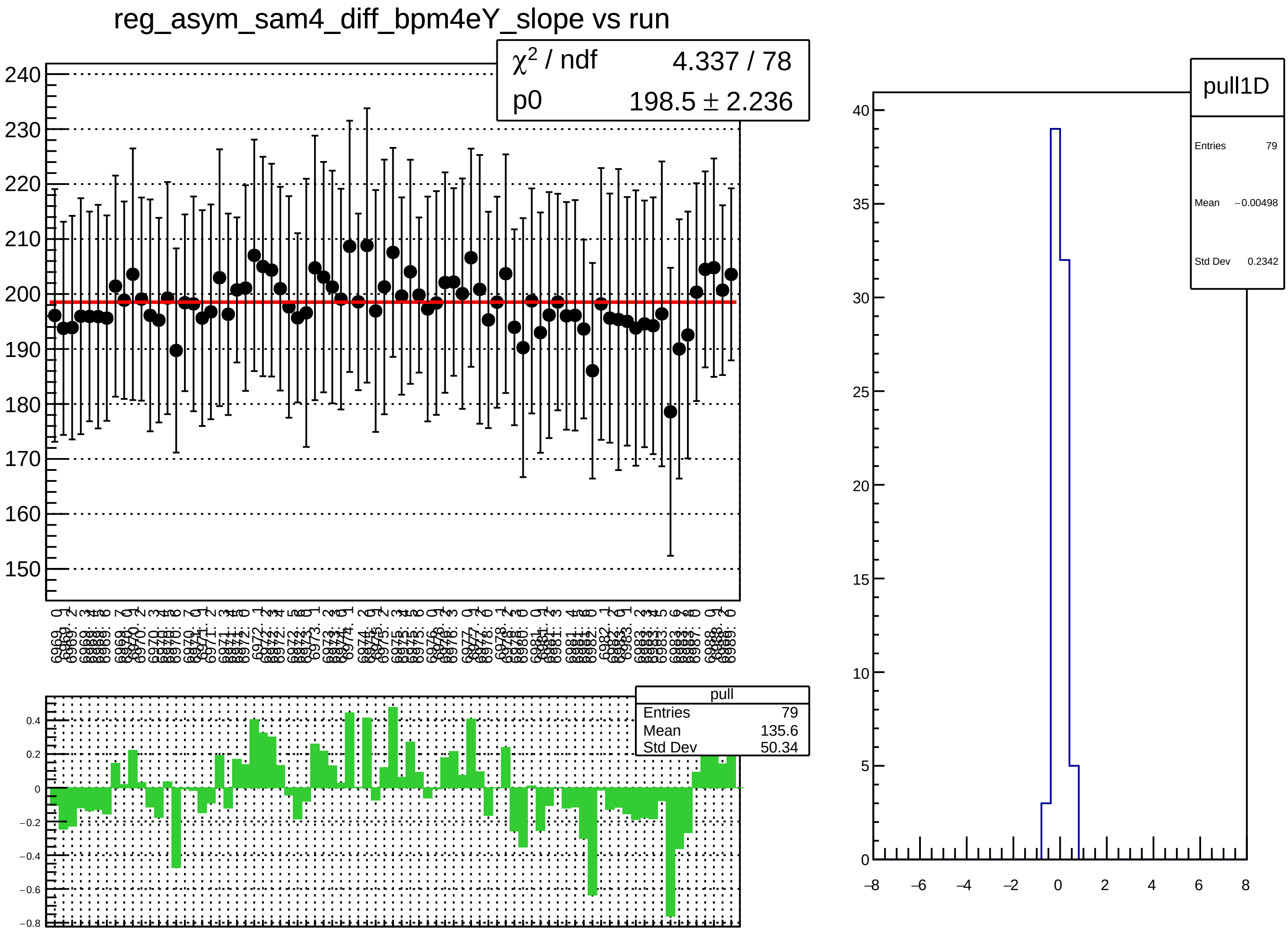
reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 7.884 / 78
p0 −46.69 ± 2.74
pull
Entries 79
Mean 146.2
Std Dev 96.6
pull1D
Entries 79
Mean −0.02099
Std Dev 0.3152



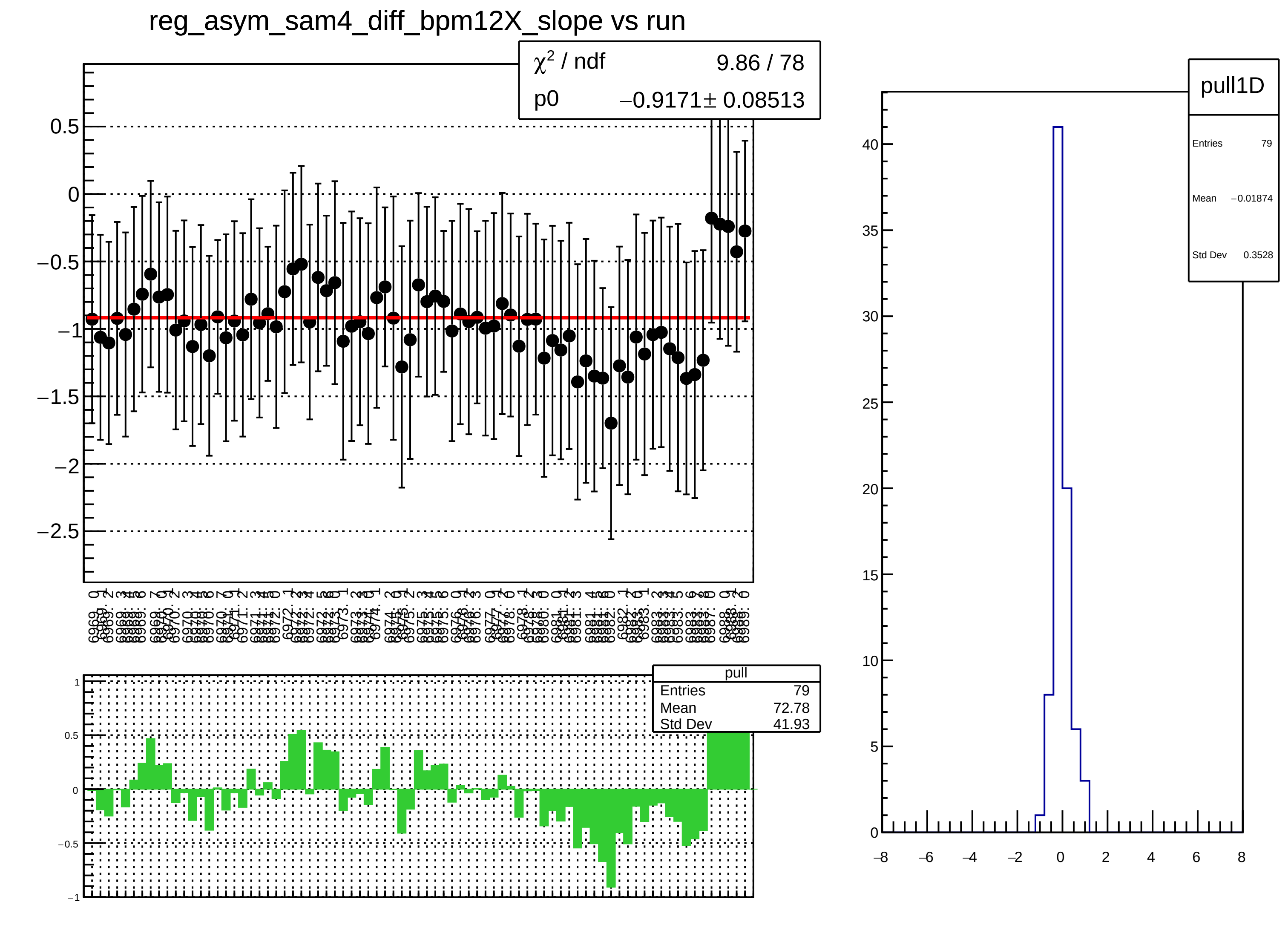
reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 3.16 / 78
p0 23.64 ± 1.951
pull
Entries 79
Mean −77.04
Std Dev 105.6
pull1D
Entries 79
Mean 0.008091
Std Dev 0.1998



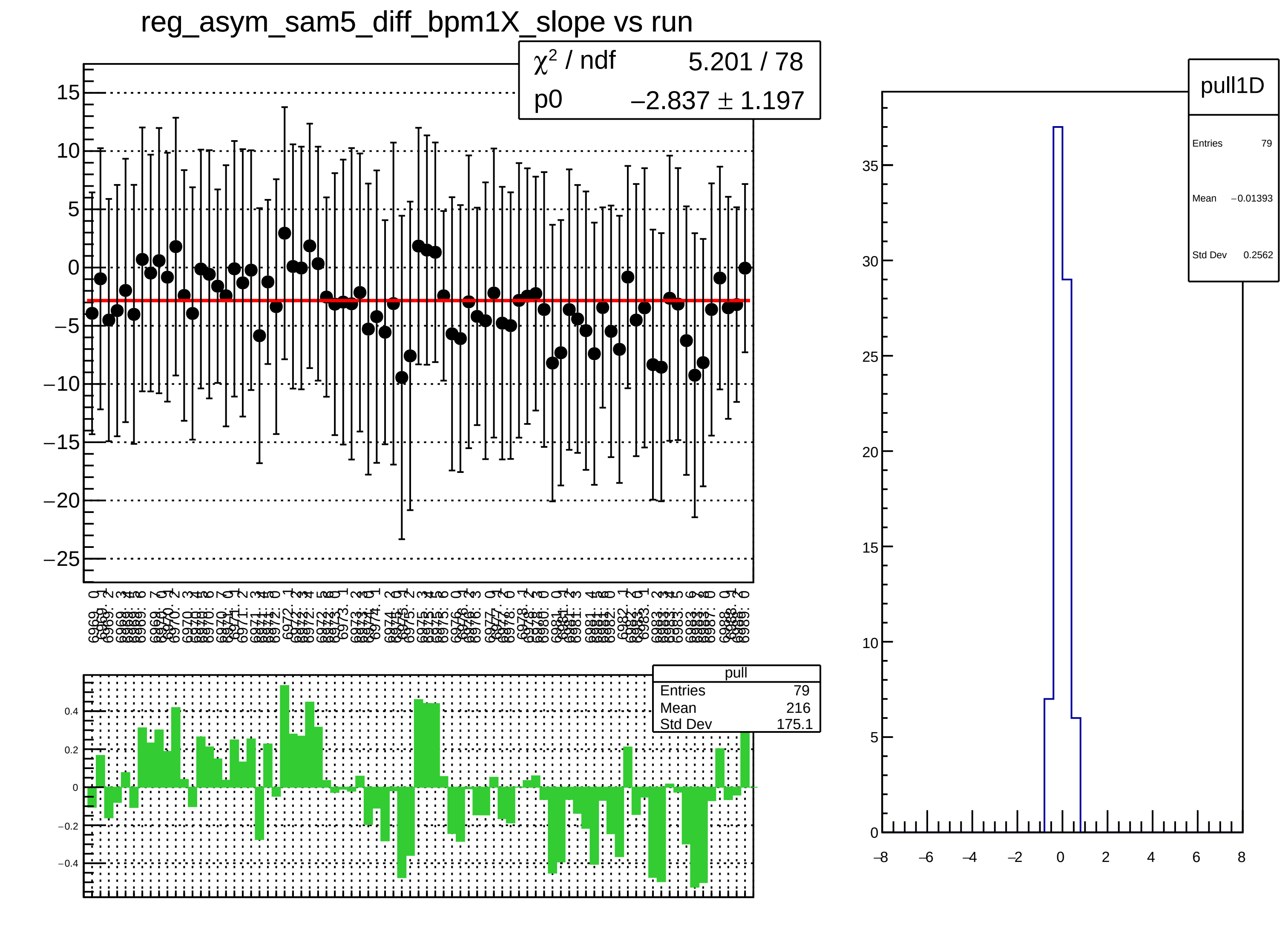
reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 9.187 / 78
p0 −139.9 ± 2.521
−90
−100
−110
−120
−130
−140
−150
−160
−170
−180
pull
Entries 79
Mean 172.7
Std Dev 124.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 79
Mean 0.02008
Std Dev 0.3404
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

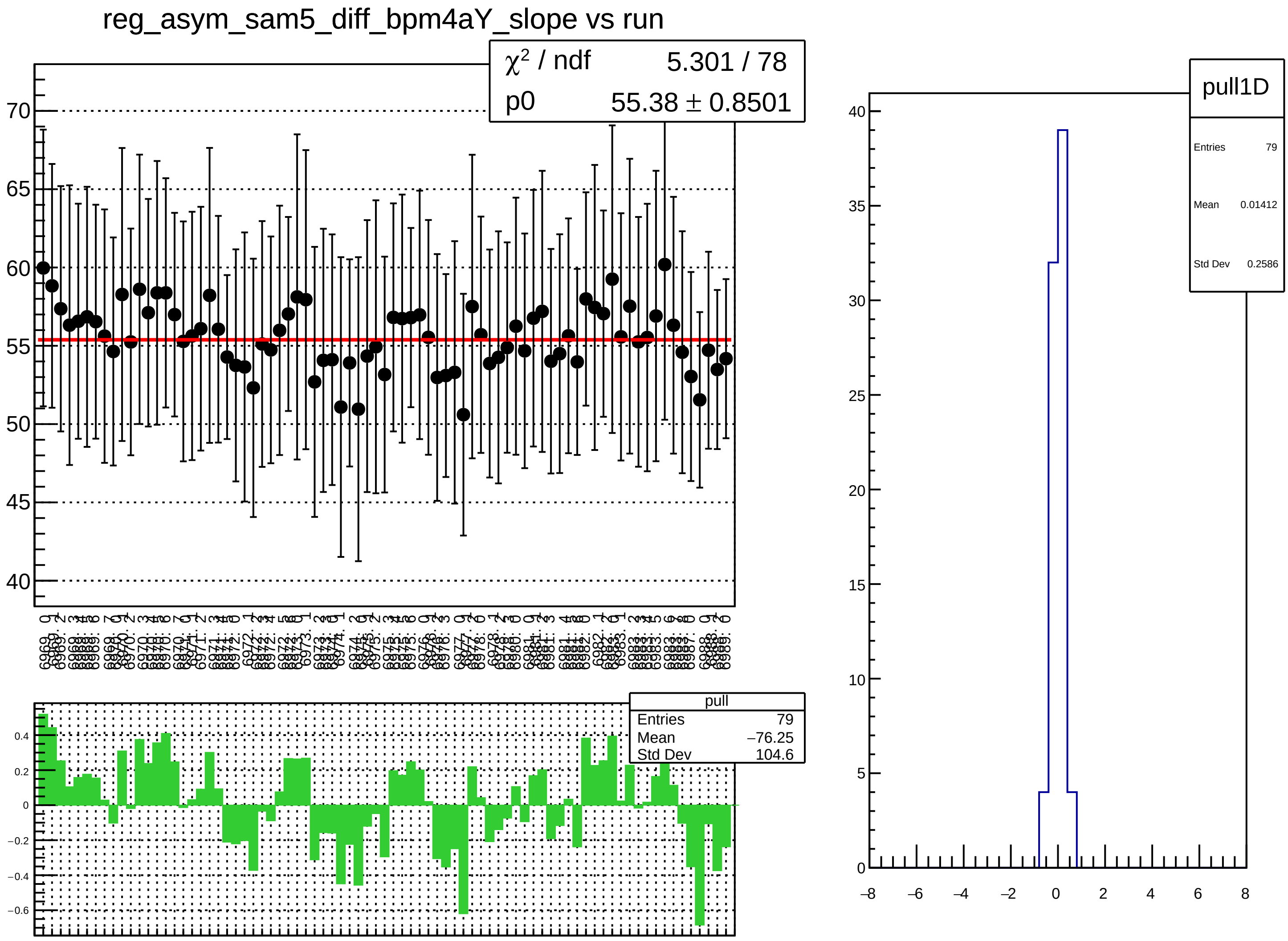


reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 4.337 / 78
p0 198.5 ± 2.236
pull
Entries 79
Mean 135.6
Std Dev 50.34
pull1D
Entries 79
Mean −0.00498
Std Dev 0.2342

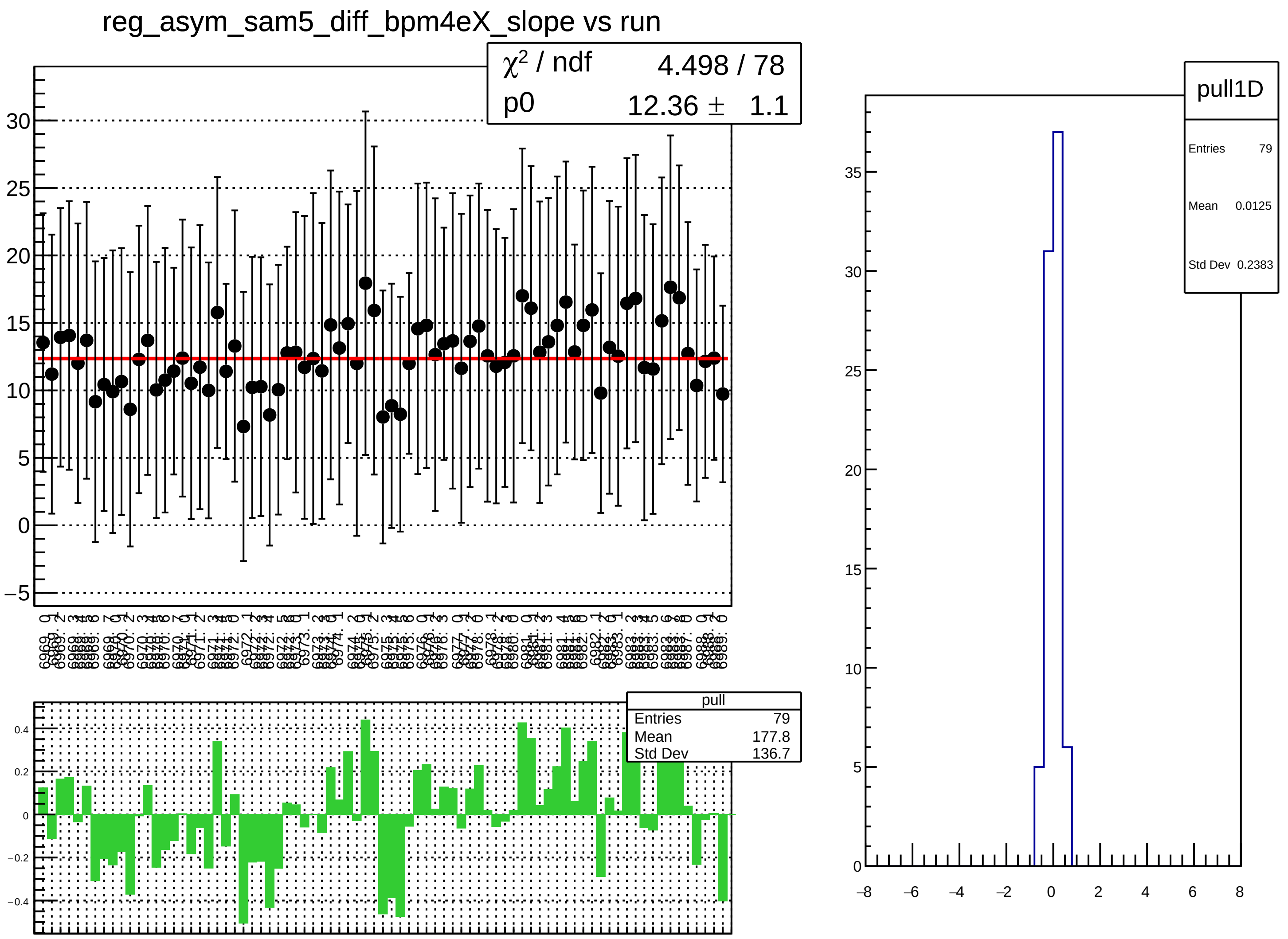


reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 9.86 / 78
p0 −0.9171± 0.08513
pull
Entries 79
Mean 72.78
Std Dev 41.93
pull1D
Entries 79
Mean −0.01874
Std Dev 0.3528

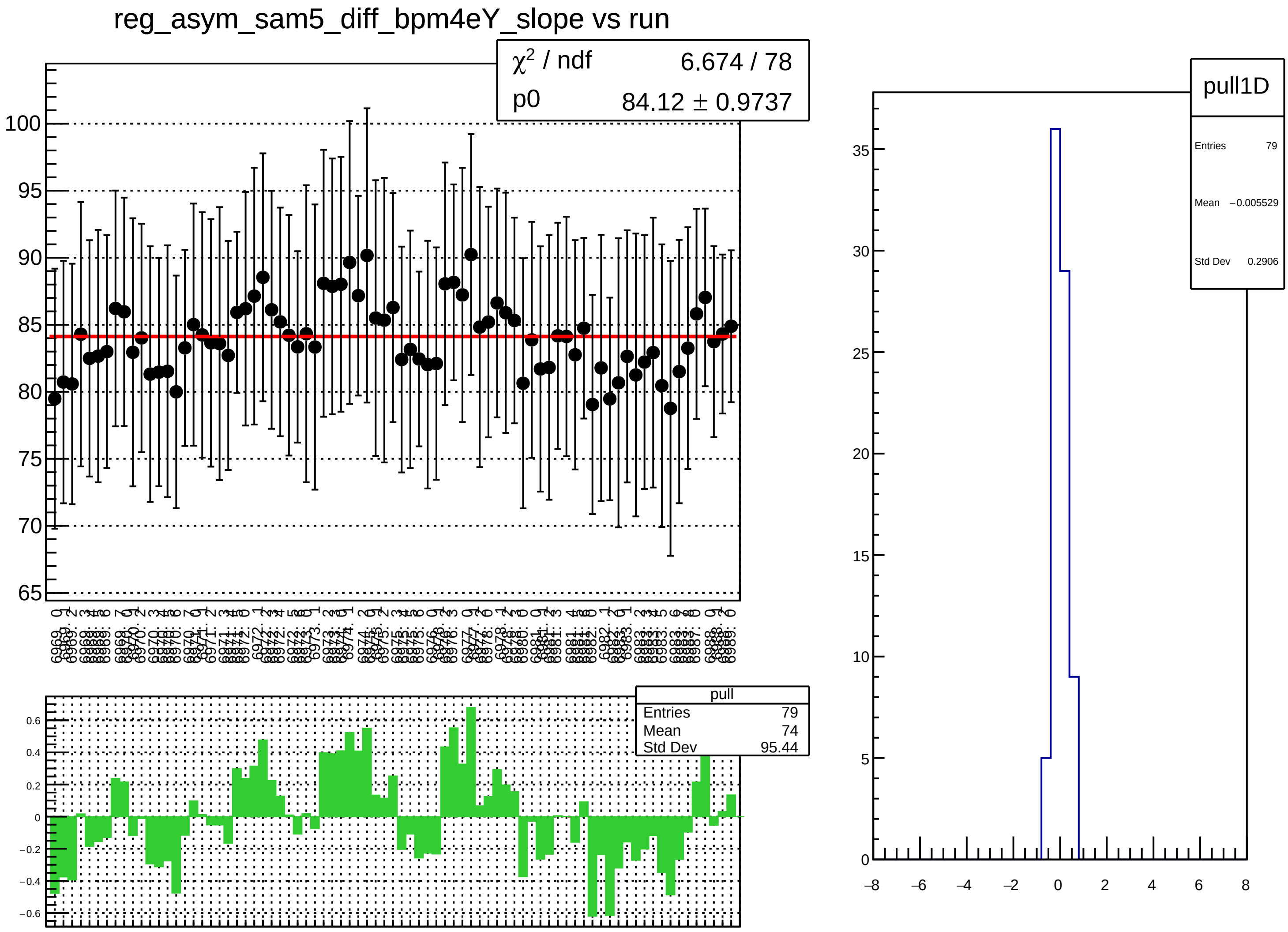

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 5.201 / 78
p0 −2.837 ± 1.197
pull
Entries 79
Mean 216
Std Dev 175.1
pull1D
Entries 79
Mean −0.01393
Std Dev 0.2562

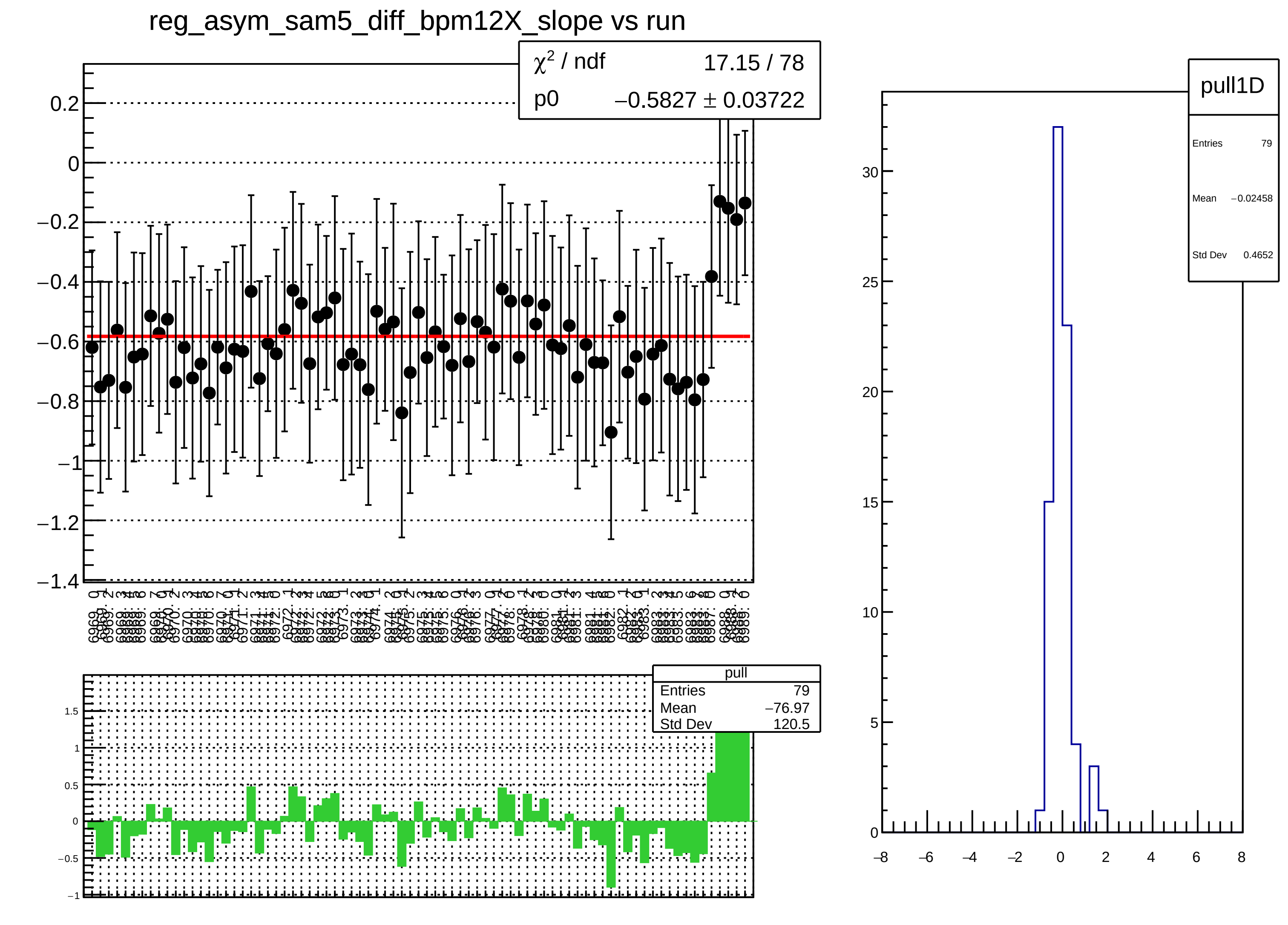


reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 5.301 / 78
p0 55.38 ± 0.8501
pull
Entries 79
Mean −76.25
Std Dev 104.6
pull1D
Entries 79
Mean 0.01412
Std Dev 0.2586



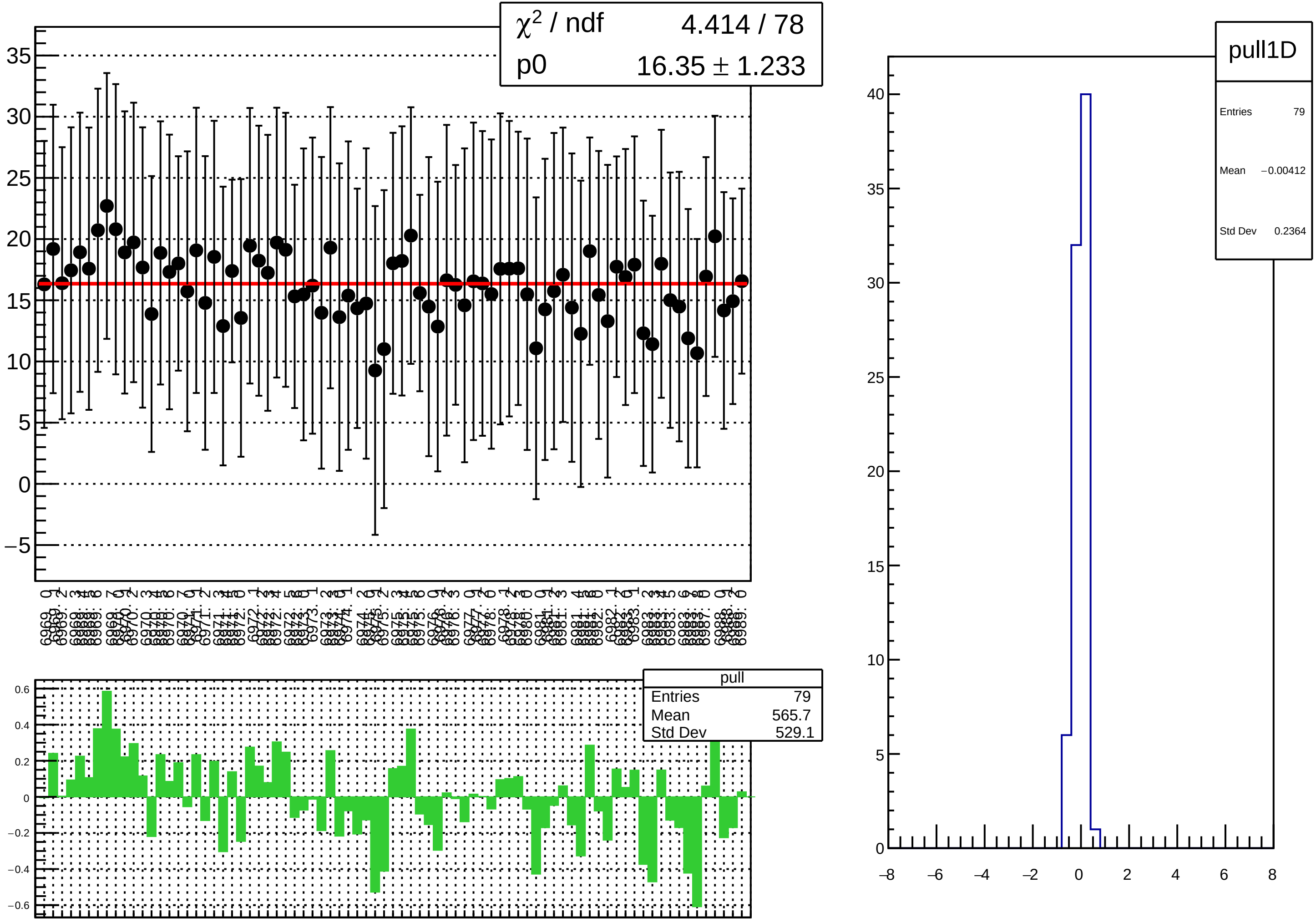
reg_asym_sam5_diff_bpm4eX_slope vs run
χ2 / ndf 4.498 / 78
p0 12.36 ± 1.1
pull
Entries 79
Mean 177.8
Std Dev 136.7
pull1D
Entries 79
Mean 0.0125
Std Dev 0.2383

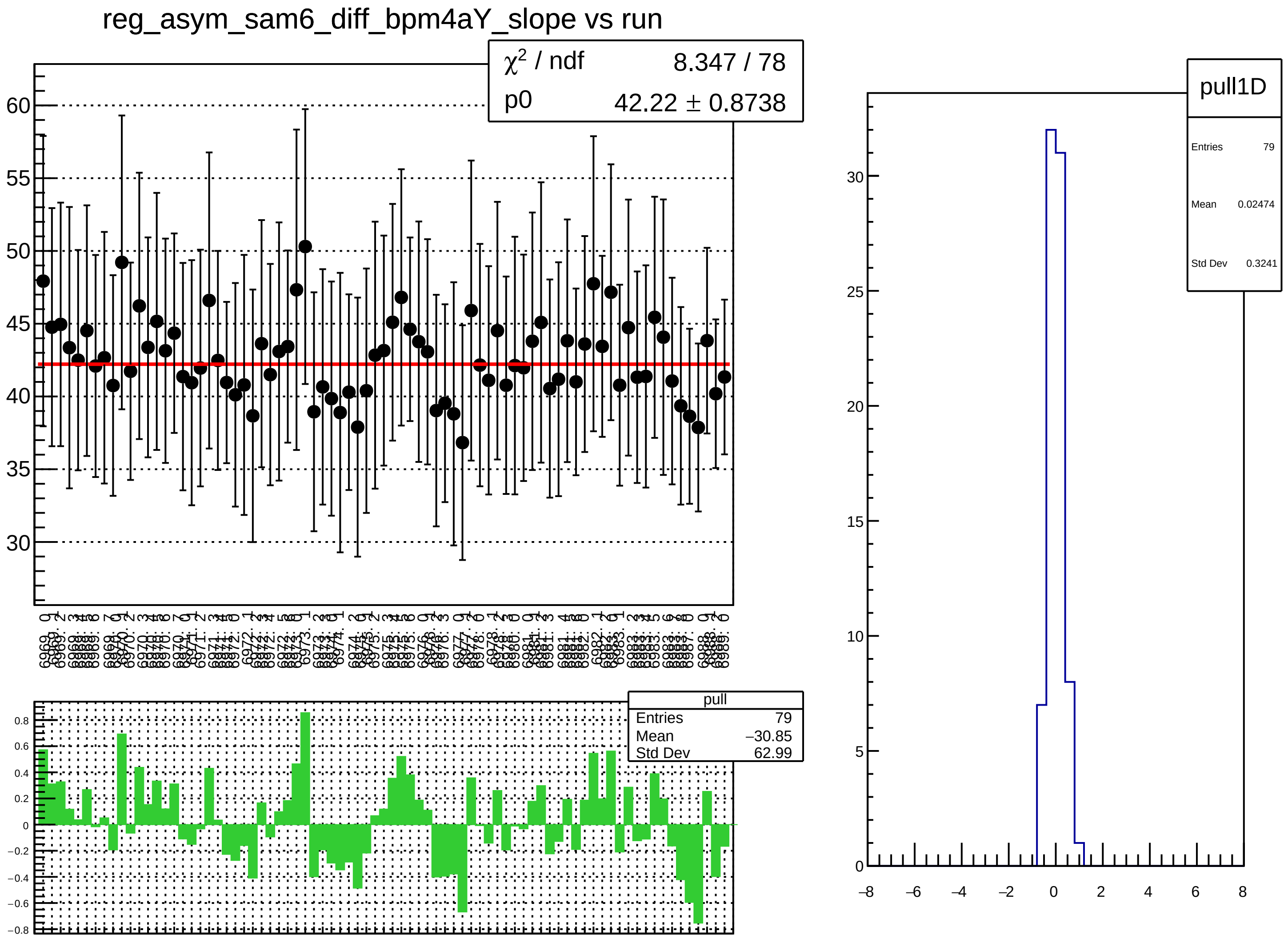

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 6.674 / 78
p0 84.12 ± 0.9737
pull
Entries 79
Mean 74
Std Dev 95.44
pull1D
Entries 79
Mean −0.005529
Std Dev 0.2906



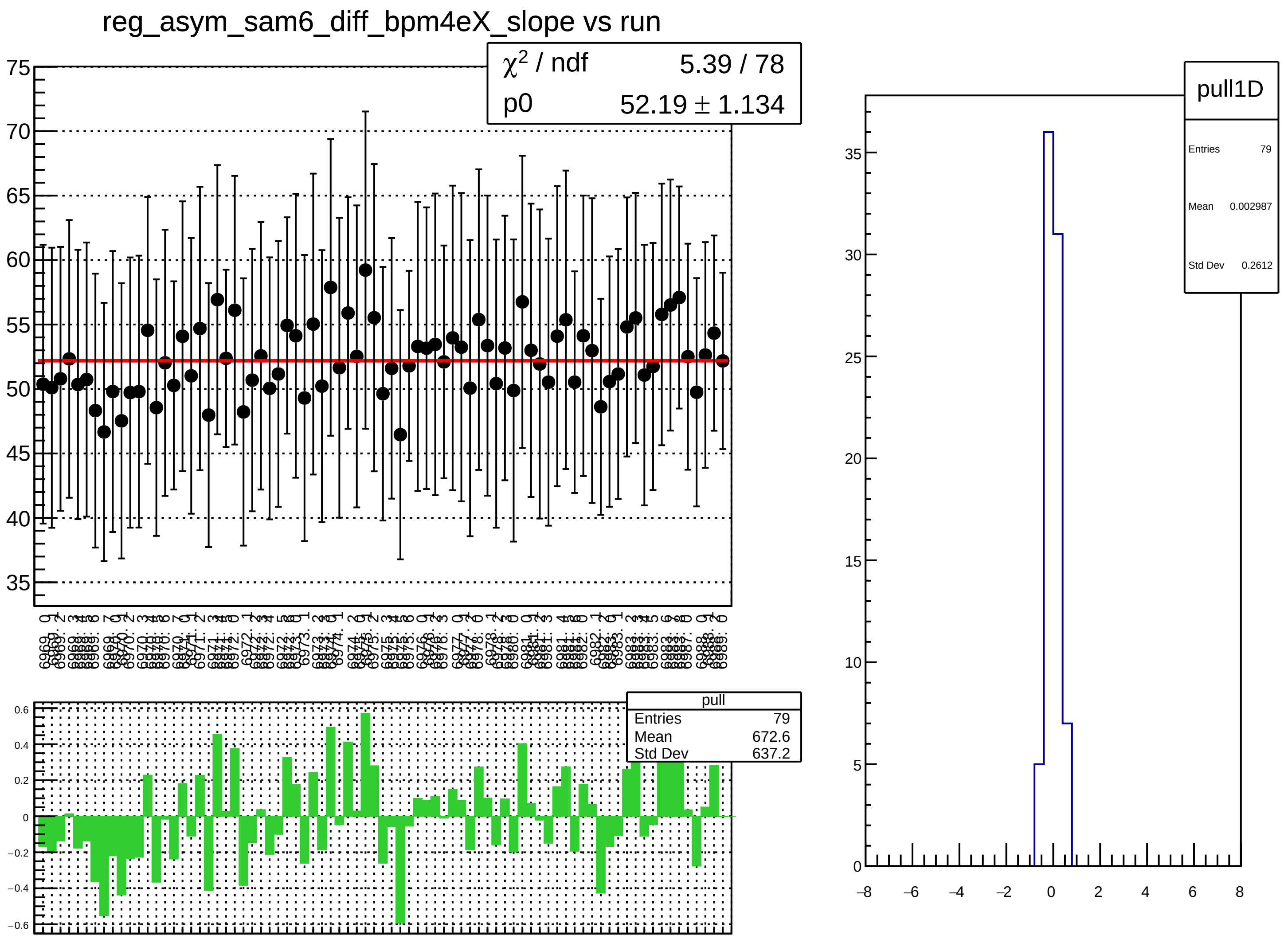
reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 17.15 / 78
p0 −0.5827 ± 0.03722
pull
Entries 79
Mean −76.97
Std Dev 120.5
pull1D
Entries 79
Mean −0.02458
Std Dev 0.4652

reg_asym_sam6_diff_bpm1X_slope vs run

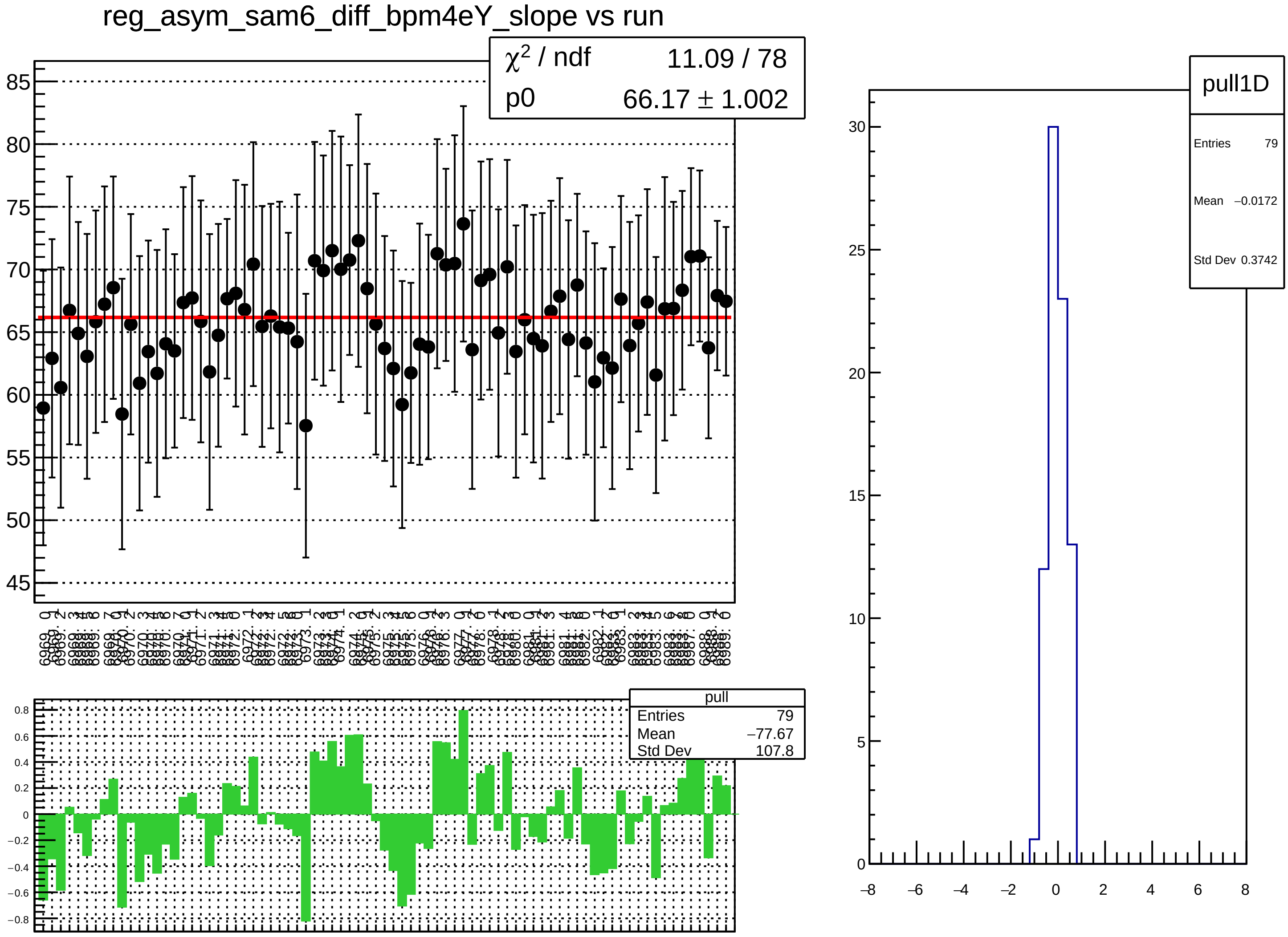




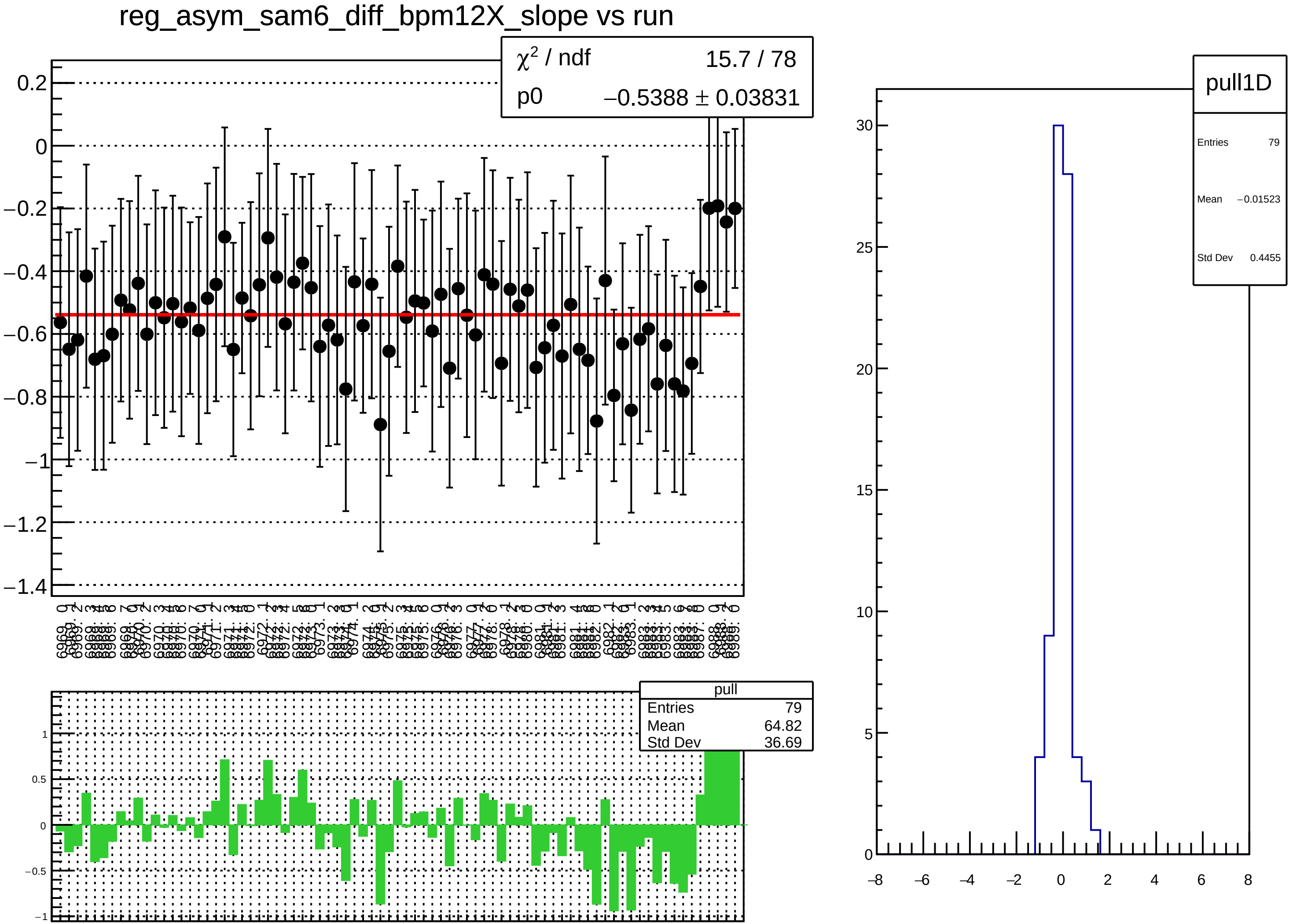
reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 8.347 / 78
p0 42.22 ± 0.8738
pull
Entries 79
Mean −30.85
Std Dev 62.99
pull1D
Entries 79
Mean 0.02474
Std Dev 0.3241

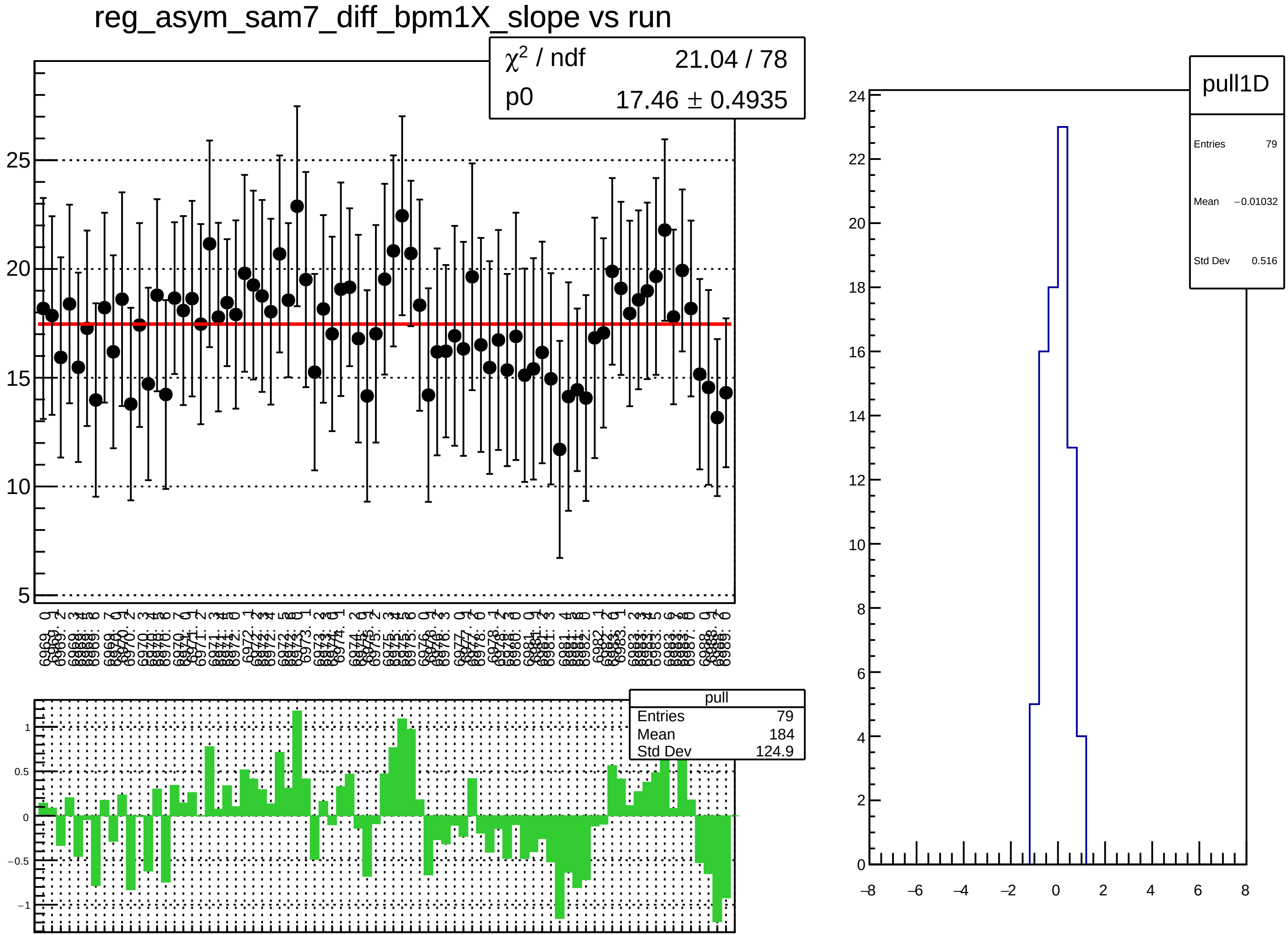


reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 5.39 / 78
p0 52.19 ± 1.134
pull
Entries 79
Mean 672.6
Std Dev 637.2
pull1D
Entries 79
Mean 0.002987
Std Dev 0.2612

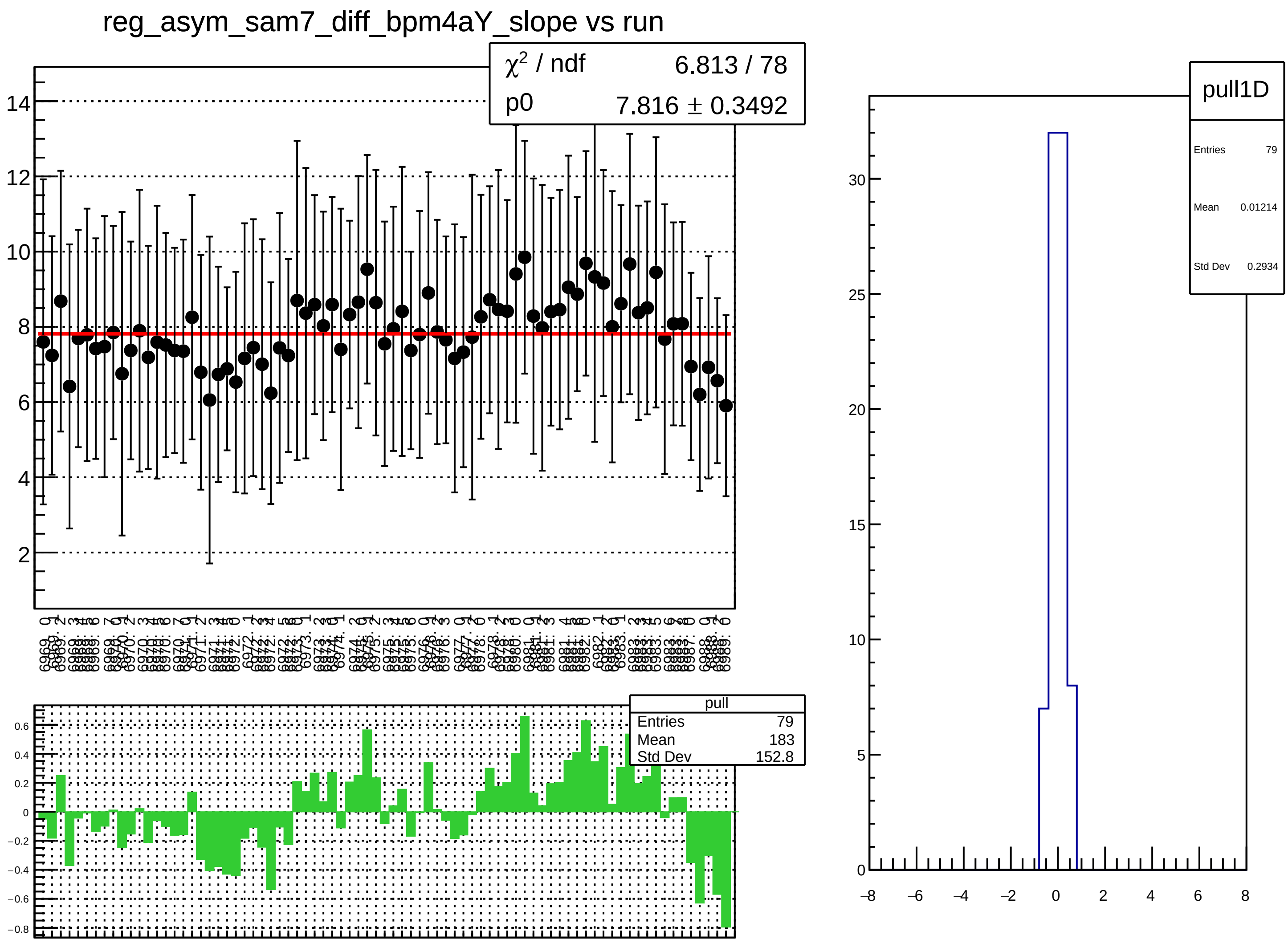


reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 11.09 / 78
p0 66.17 ± 1.002
pull
Entries 79
Mean −77.67
Std Dev 107.8
pull1D
Entries 79
Mean −0.0172
Std Dev 0.3742

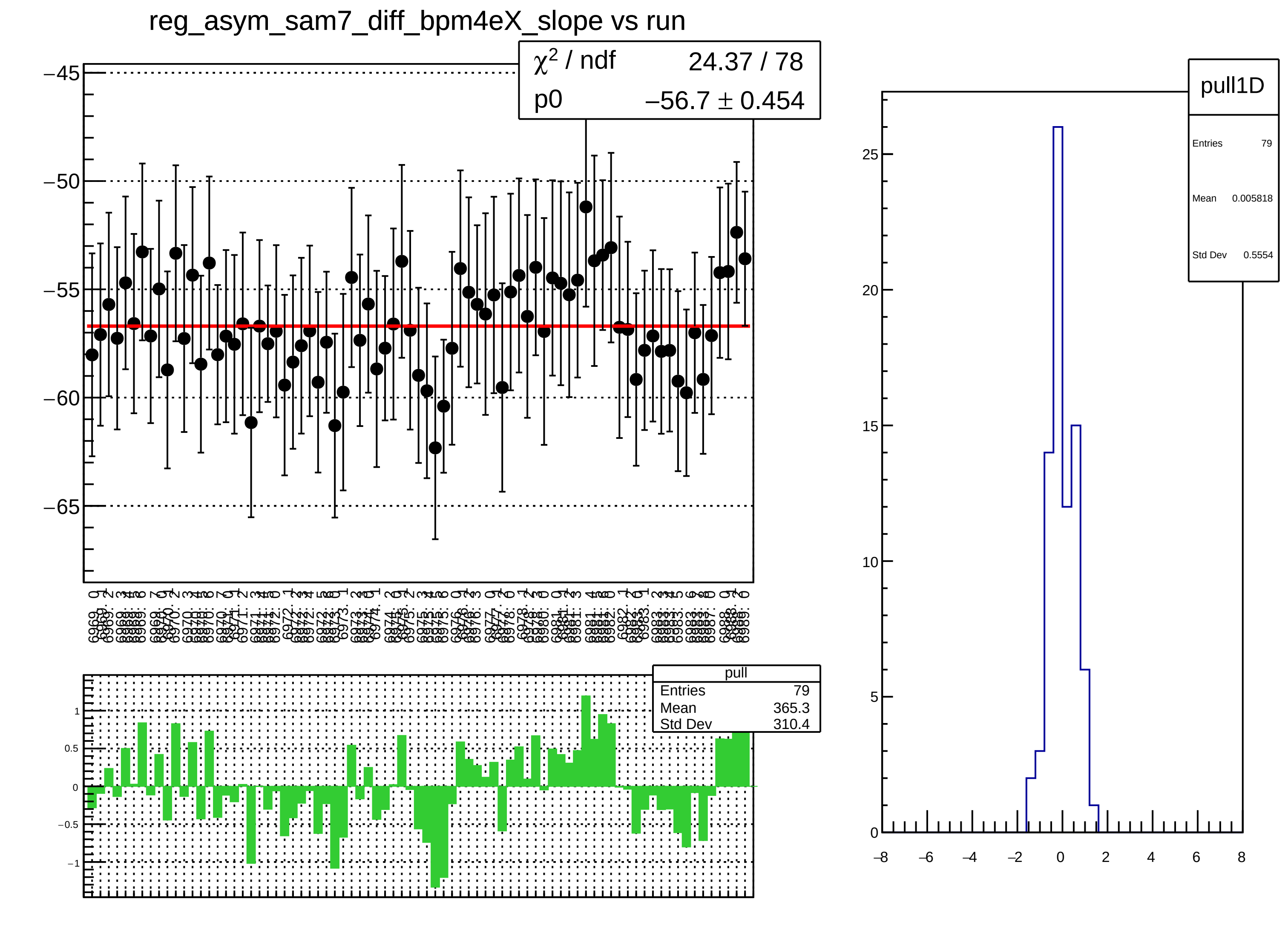

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 15.7 / 78
p0 −0.5388 ± 0.03831
pull
Entries 79
Mean 64.82
Std Dev 36.69
pull1D
Entries 79
Mean −0.01523
Std Dev 0.4455



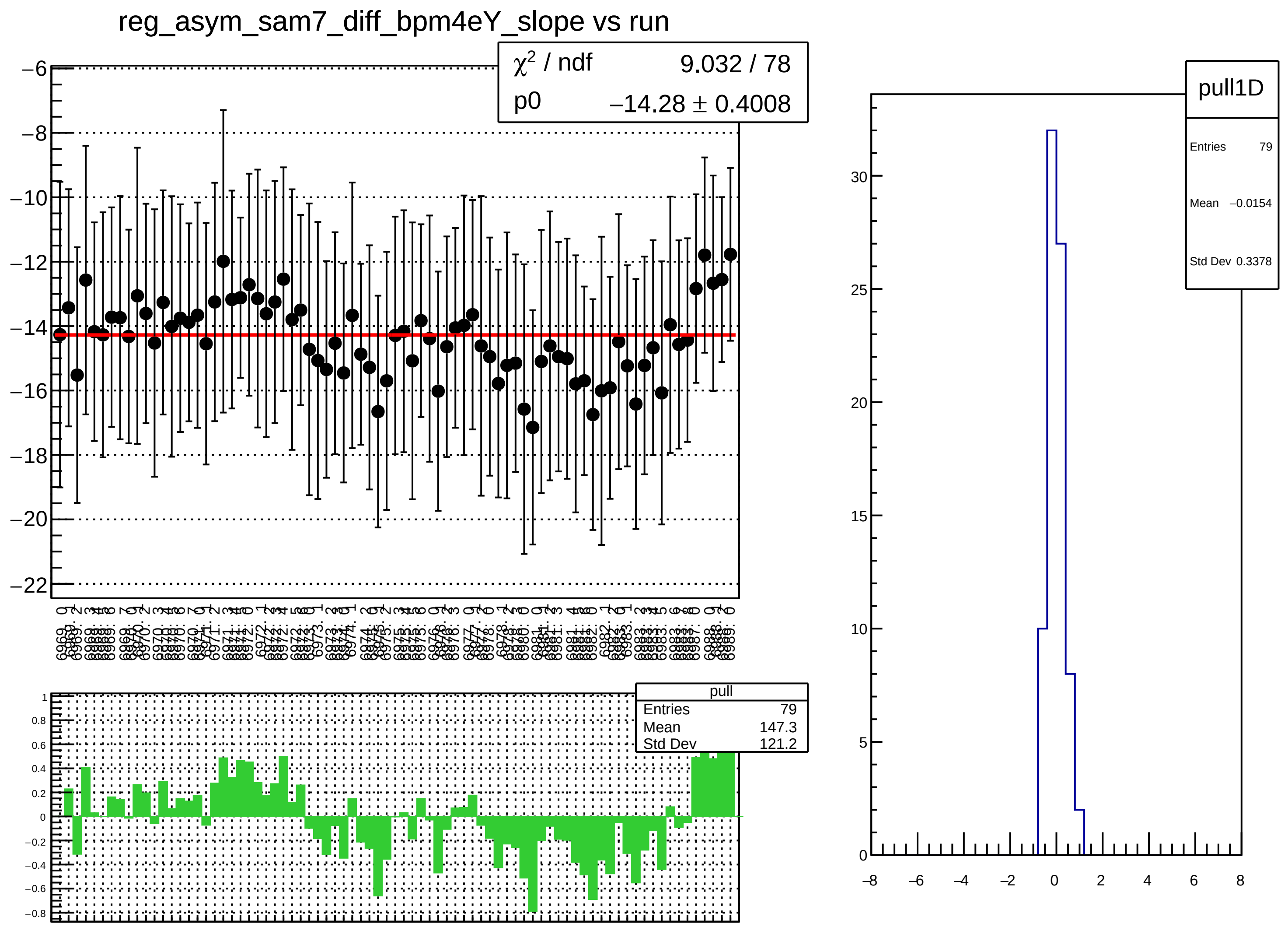
reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 21.04 / 78
p0 17.46 ± 0.4935
pull
Entries 79
Mean 184
Std Dev 124.9
pull1D
Entries 79
Mean −0.01032
Std Dev 0.516



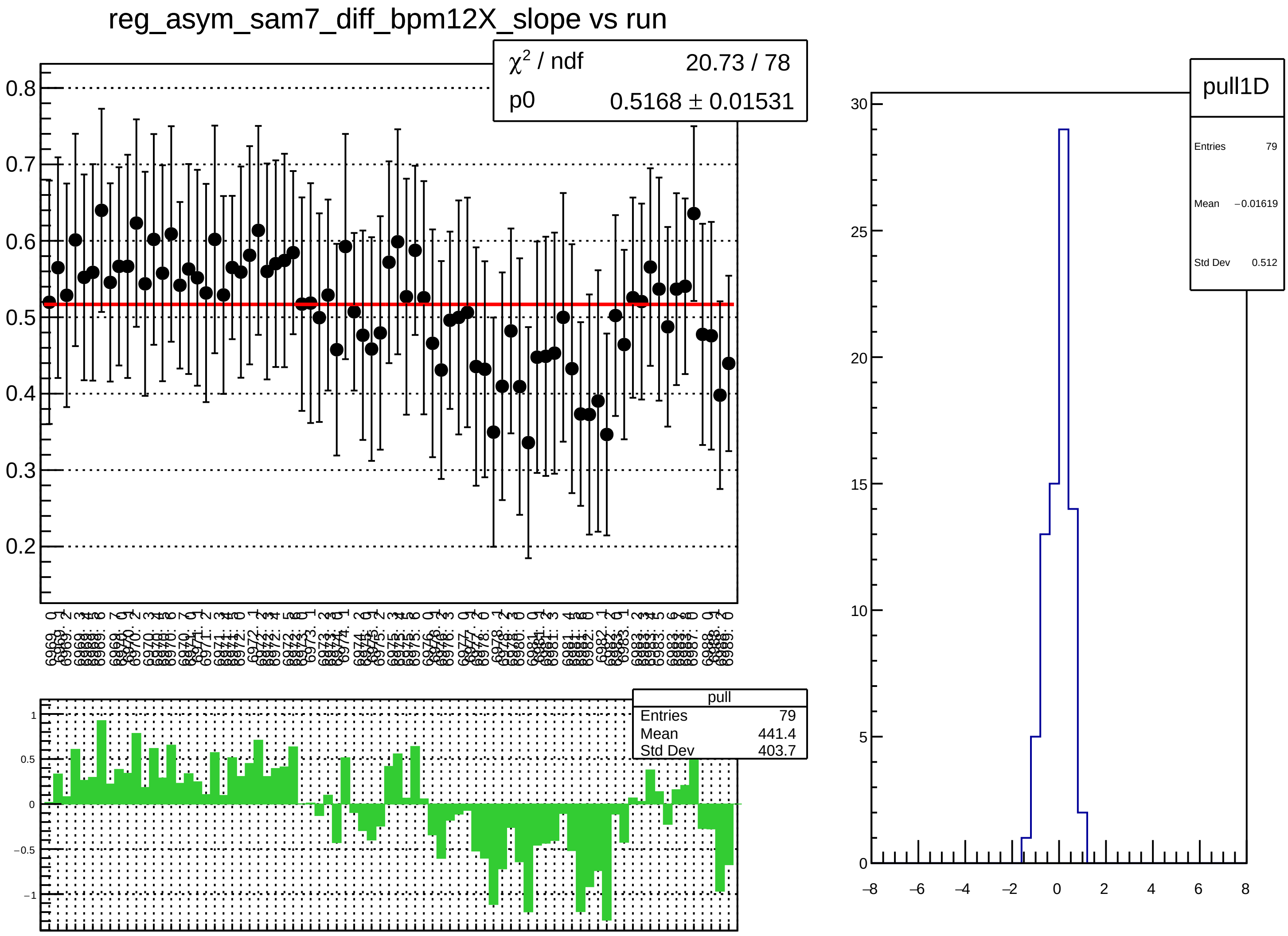
reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 6.813 / 78
p0 7.816 ± 0.3492
pull
Entries 79
Mean 183
Std Dev 152.8
pull1D
Entries 79
Mean 0.01214
Std Dev 0.2934



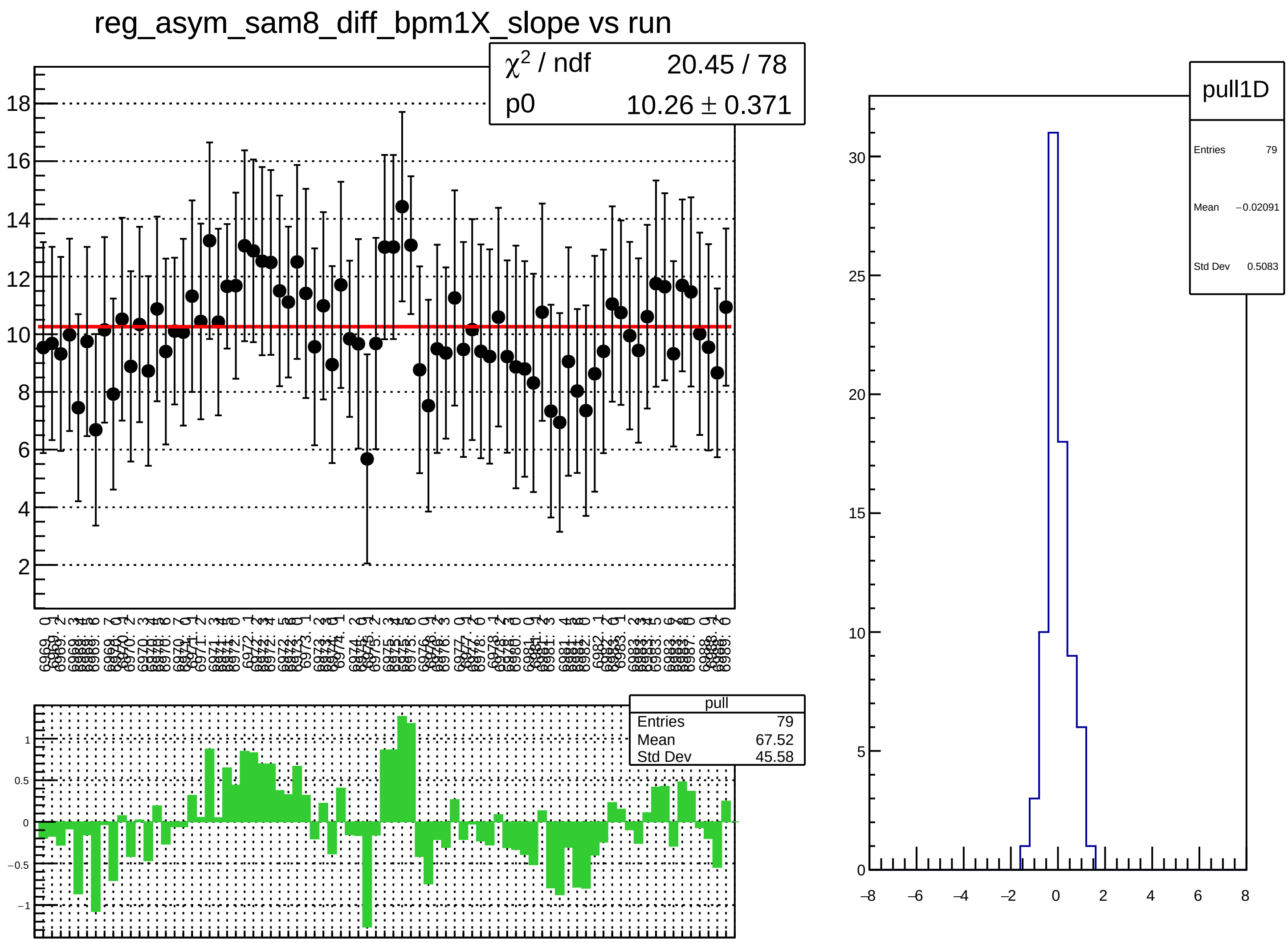
reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 24.37 / 78
p0 −56.7 ± 0.454
−45
−50
−55
−60
−65
pull
Entries 79
Mean 365.3
Std Dev 310.4
1
0.5
0
−0.5
−1
pull1D
Entries 79
Mean 0.005818
Std Dev 0.5554
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

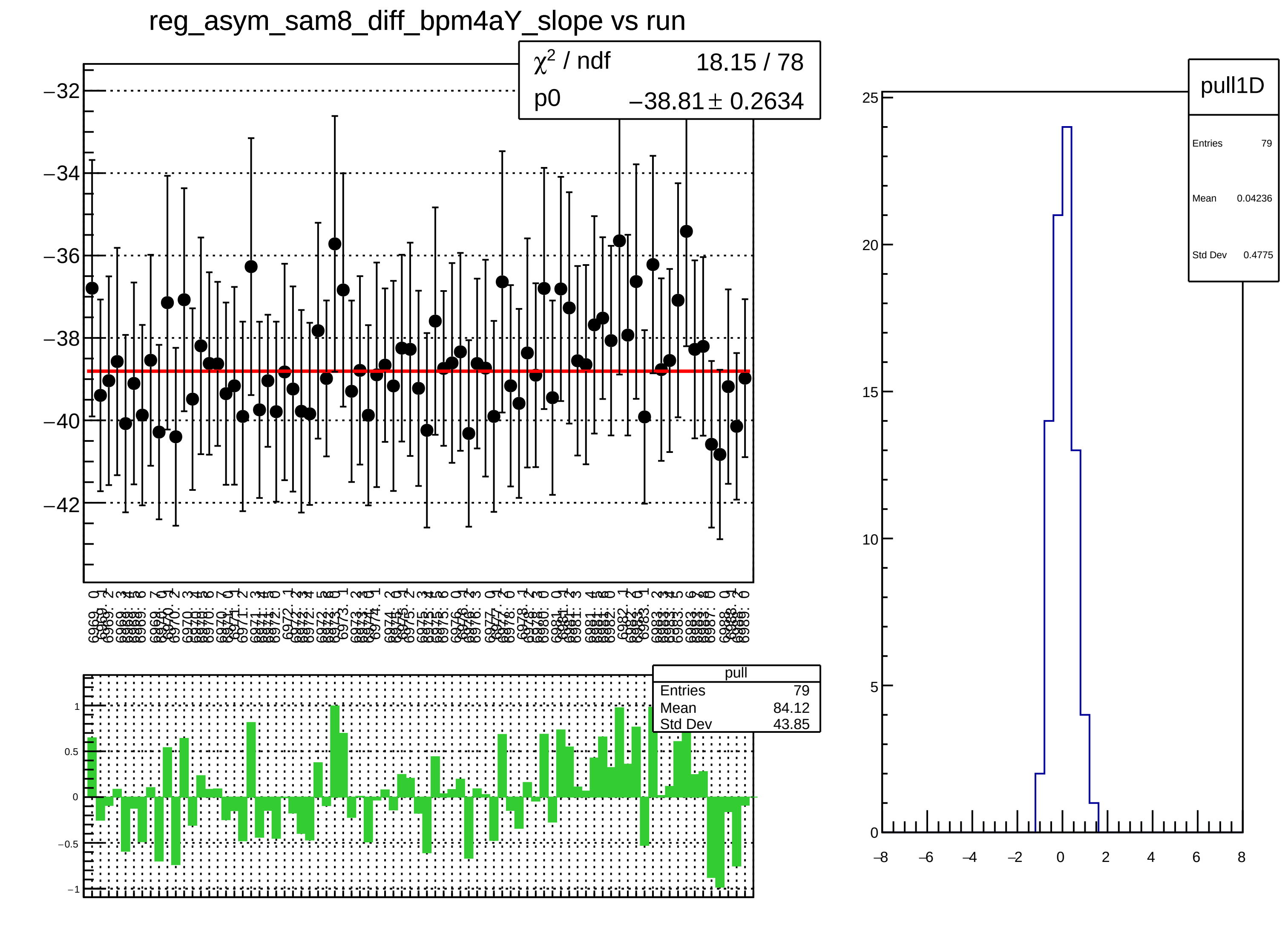


reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 9.032 / 78
p0 −14.28 ± 0.4008
pull
Entries 79
Mean 147.3
Std Dev 121.2
pull1D
Entries 79
Mean −0.0154
Std Dev 0.3378

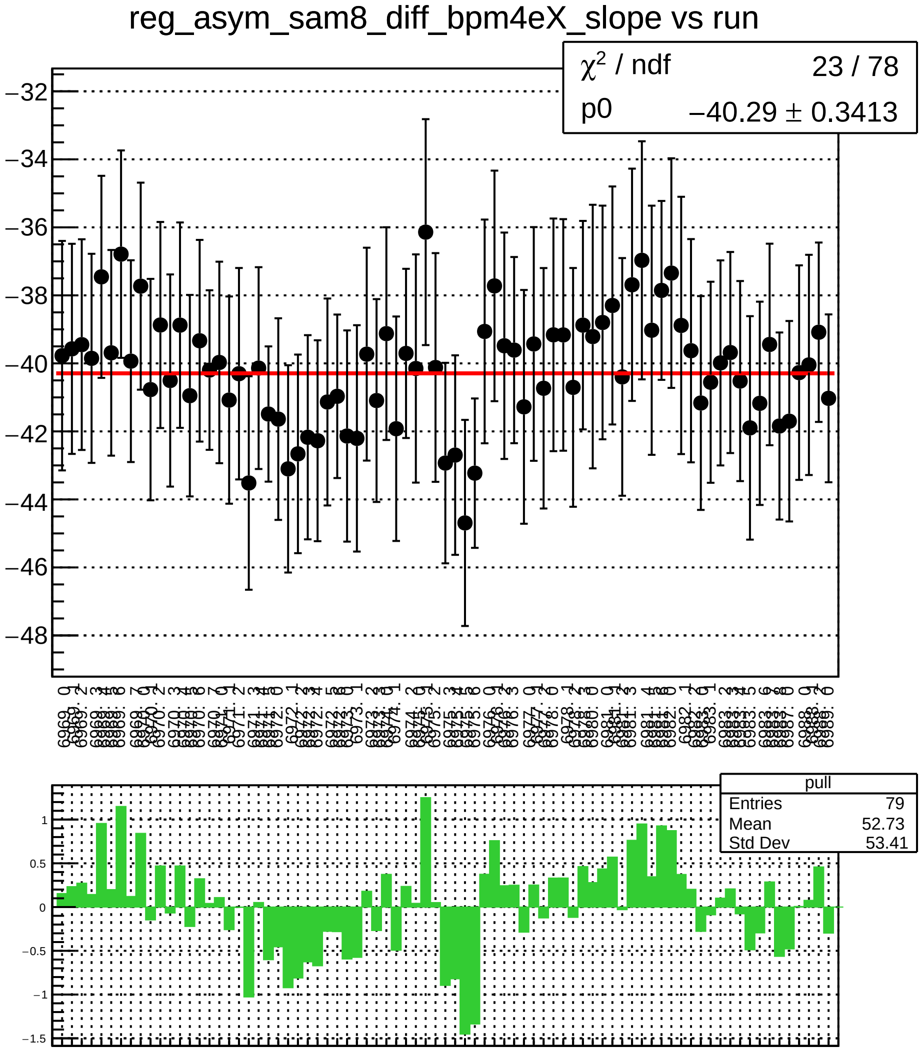


reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 20.73 / 78
p0 0.5168 ± 0.01531
pull
Entries 79
Mean 441.4
Std Dev 403.7
pull1D
Entries 79
Mean −0.01619
Std Dev 0.512

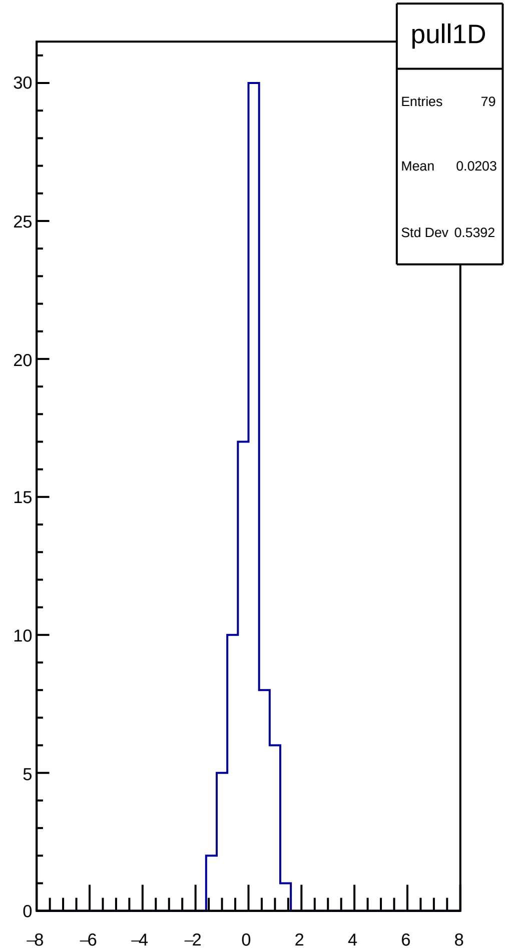

reg_asym_sam8_diff_bpm1X_slope vs run
χ2 / ndf 20.45 / 78
p0 10.26 ± 0.371
pull
Entries 79
Mean 67.52
Std Dev 45.58
pull1D
Entries 79
Mean −0.02091
Std Dev 0.5083



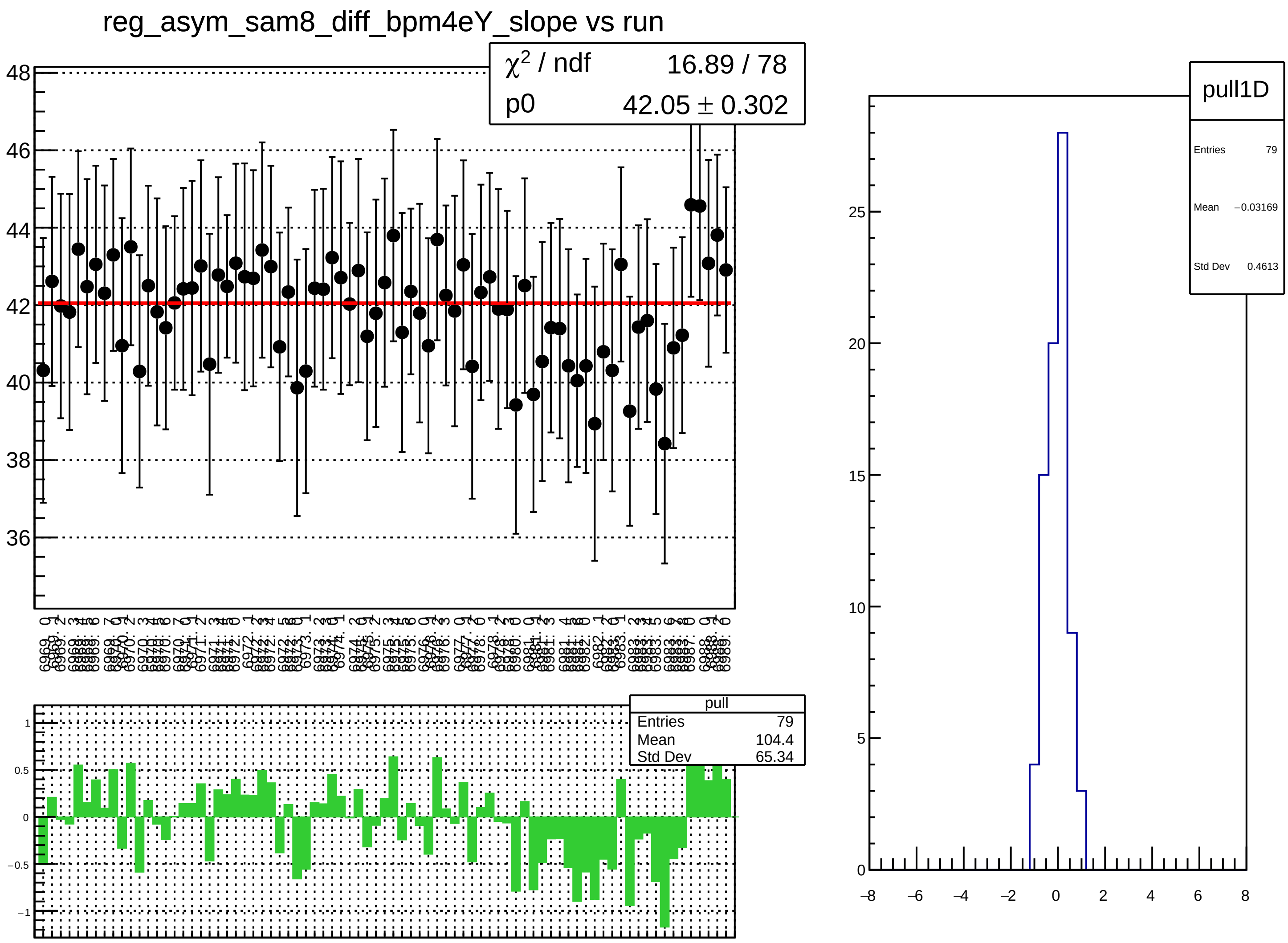
reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 18.15 / 78
p0 −38.81 ± 0.2634
pull
Entries 79
Mean 84.12
Std Dev 43.85
pull1D
Entries 79
Mean 0.04236
Std Dev 0.4775



reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 23 / 78
p0 −40.29 ± 0.3413
pull
Entries 79
Mean 52.73
Std Dev 53.41

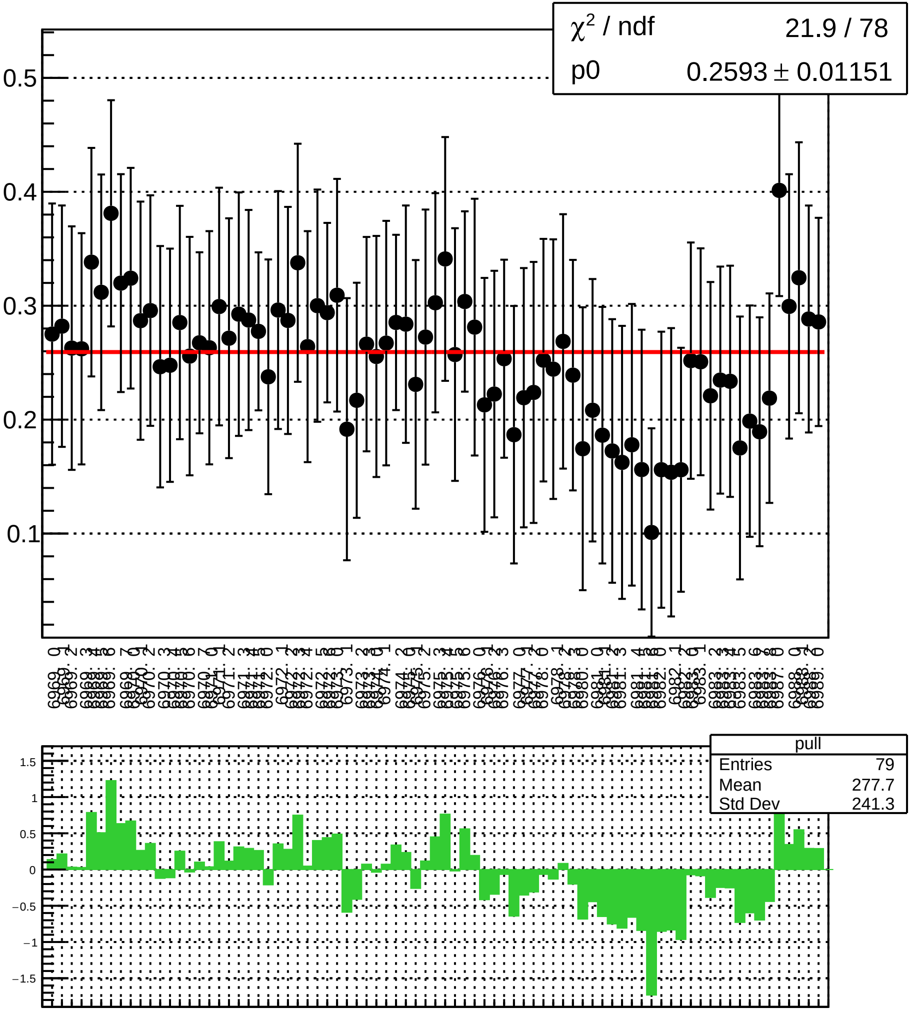


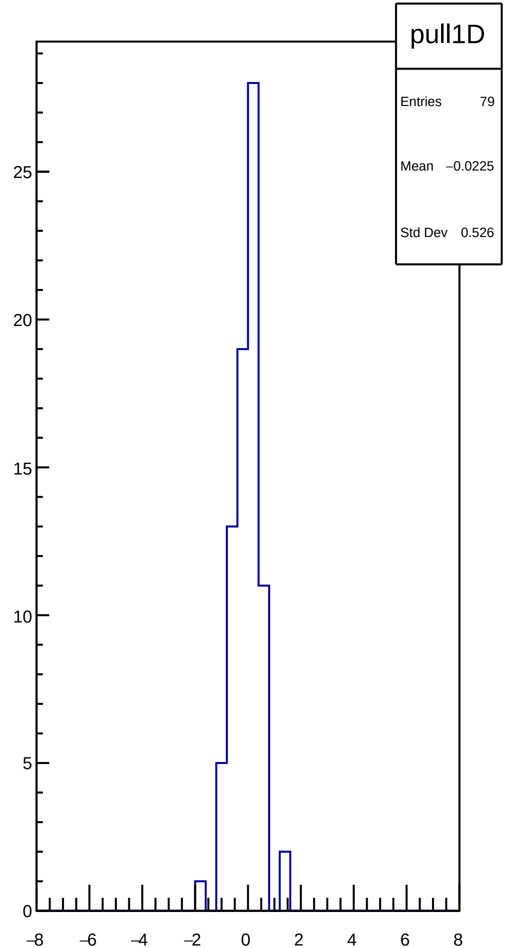
pull1D
Entries 79
Mean 0.0203
Std Dev 0.5392

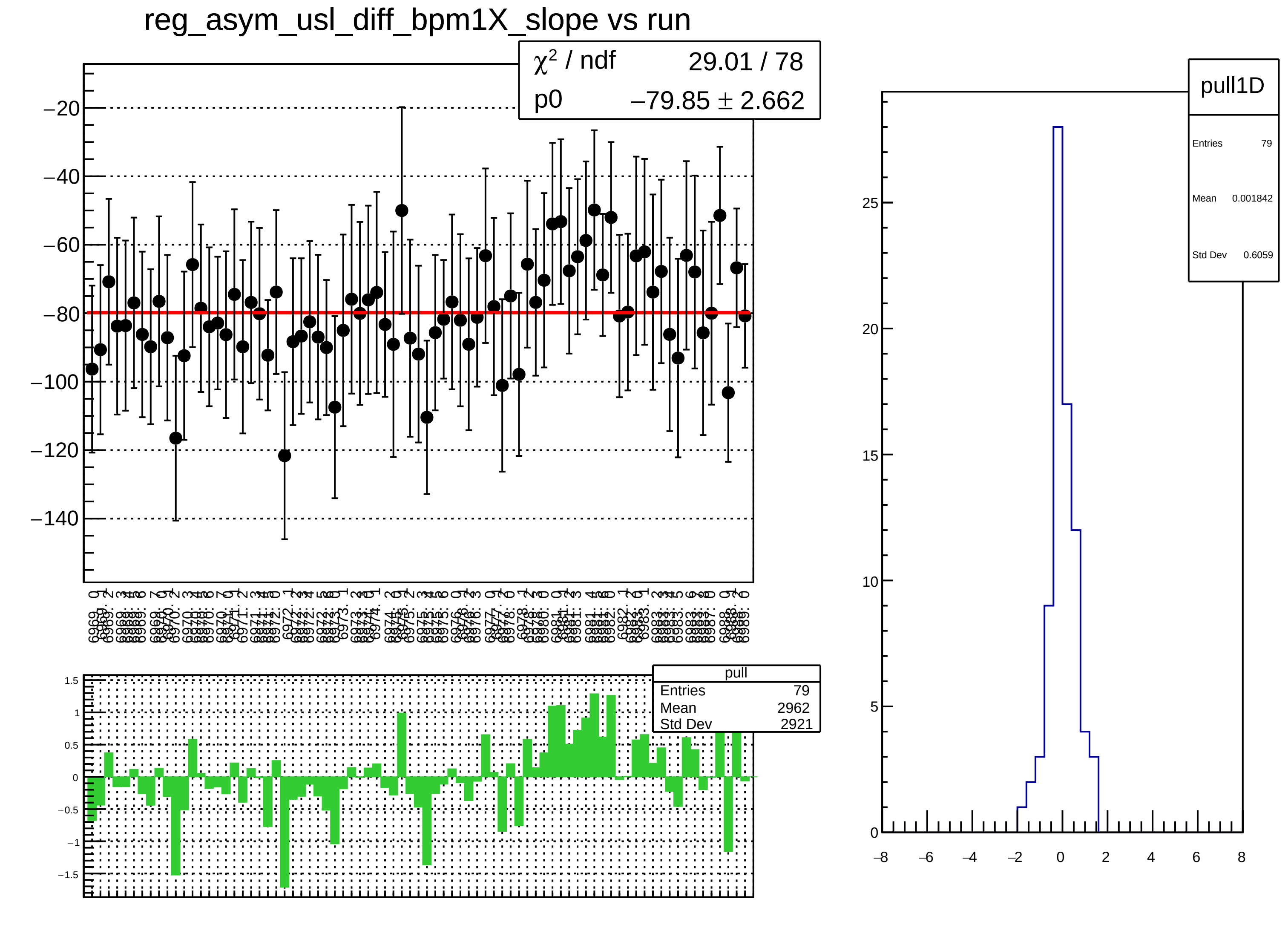


reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 16.89 / 78
p0 42.05 ± 0.302
48
46
44
42
40
38
36
pull
Entries 79
Mean 104.4
Std Dev 65.34
1
0.5
0
−0.5
−1
pull1D
Entries 79
Mean −0.03169
Std Dev 0.4613
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

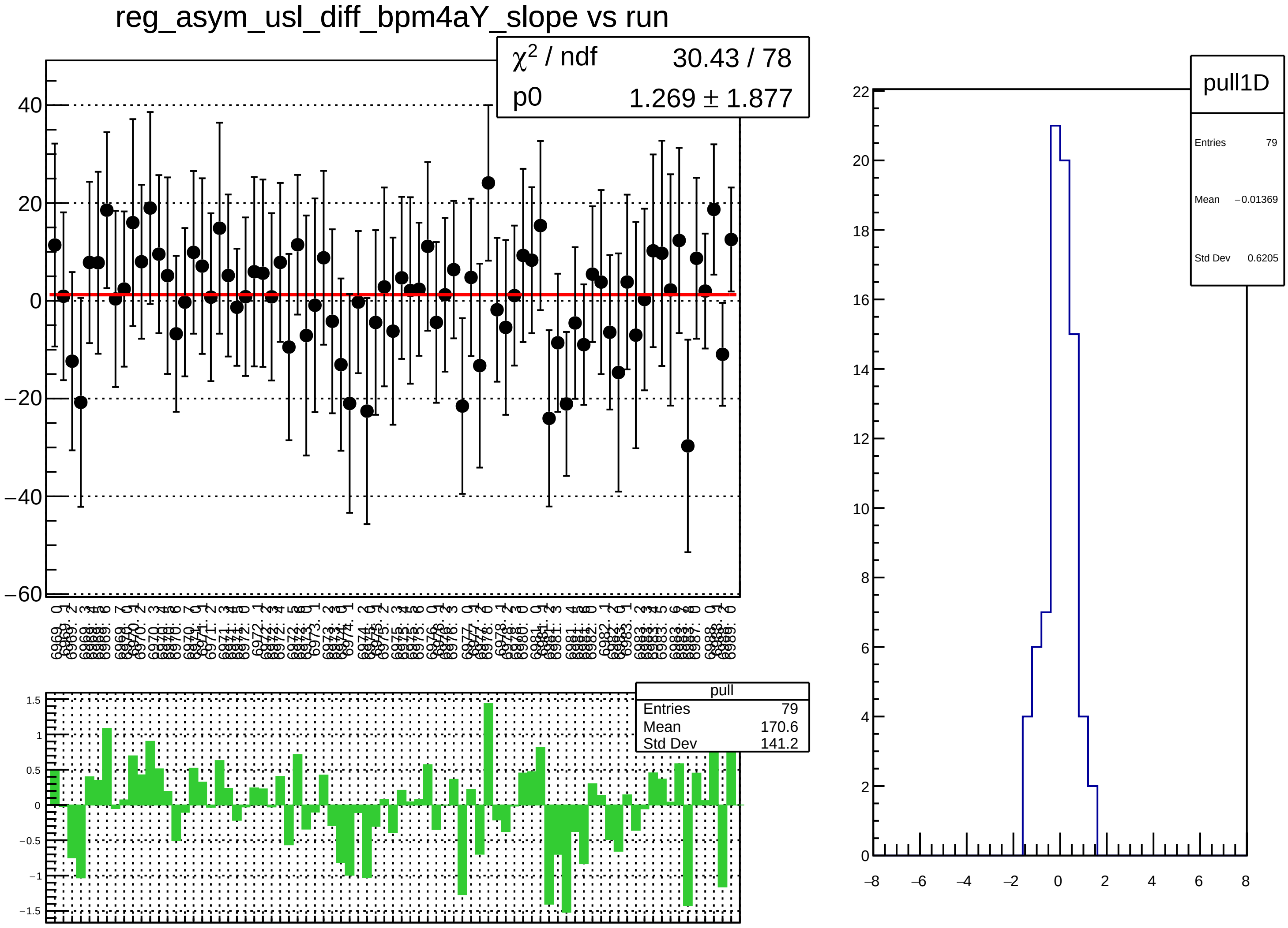
reg_asym_sam8_diff_bpm12X_slope vs run

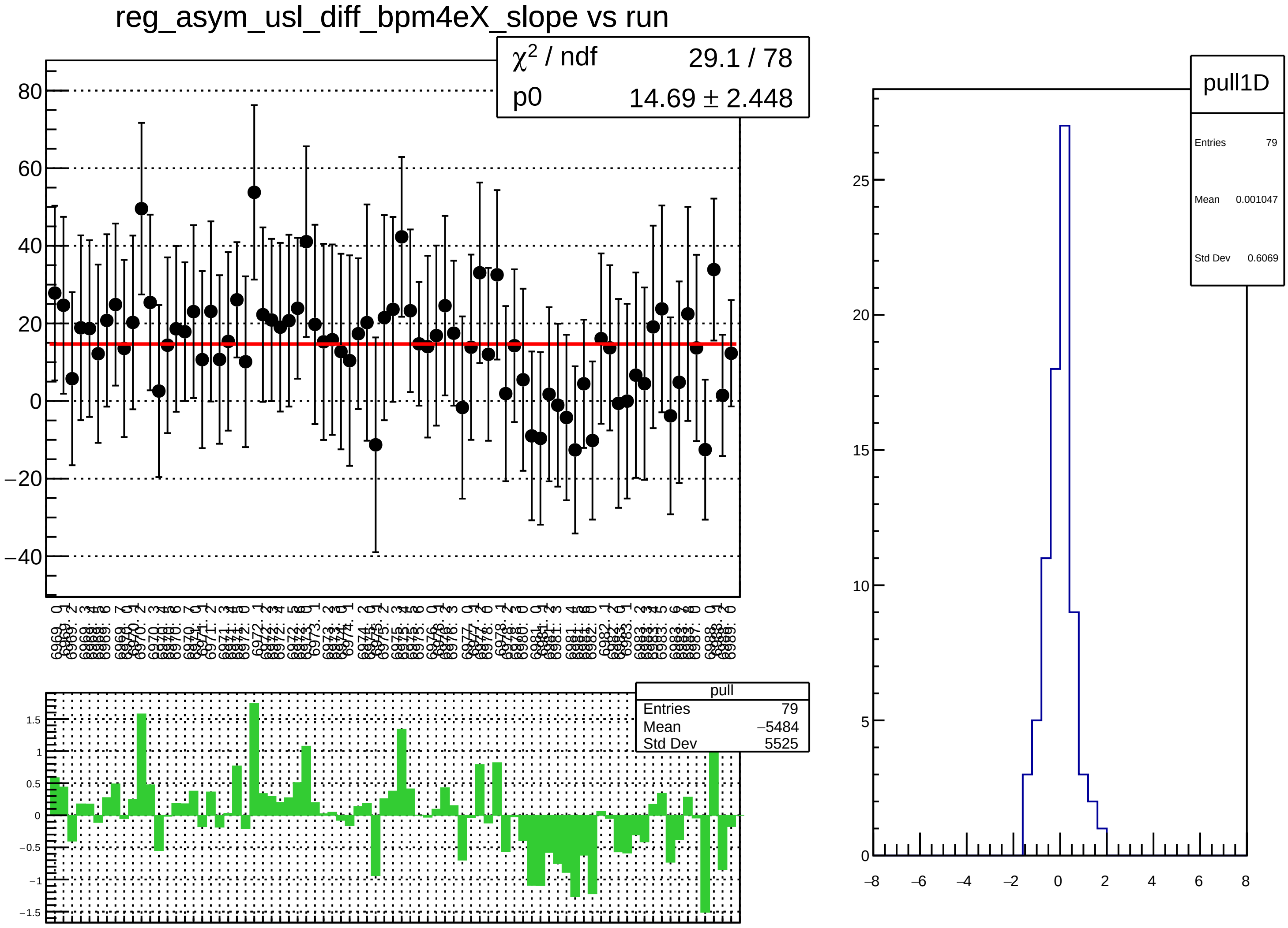




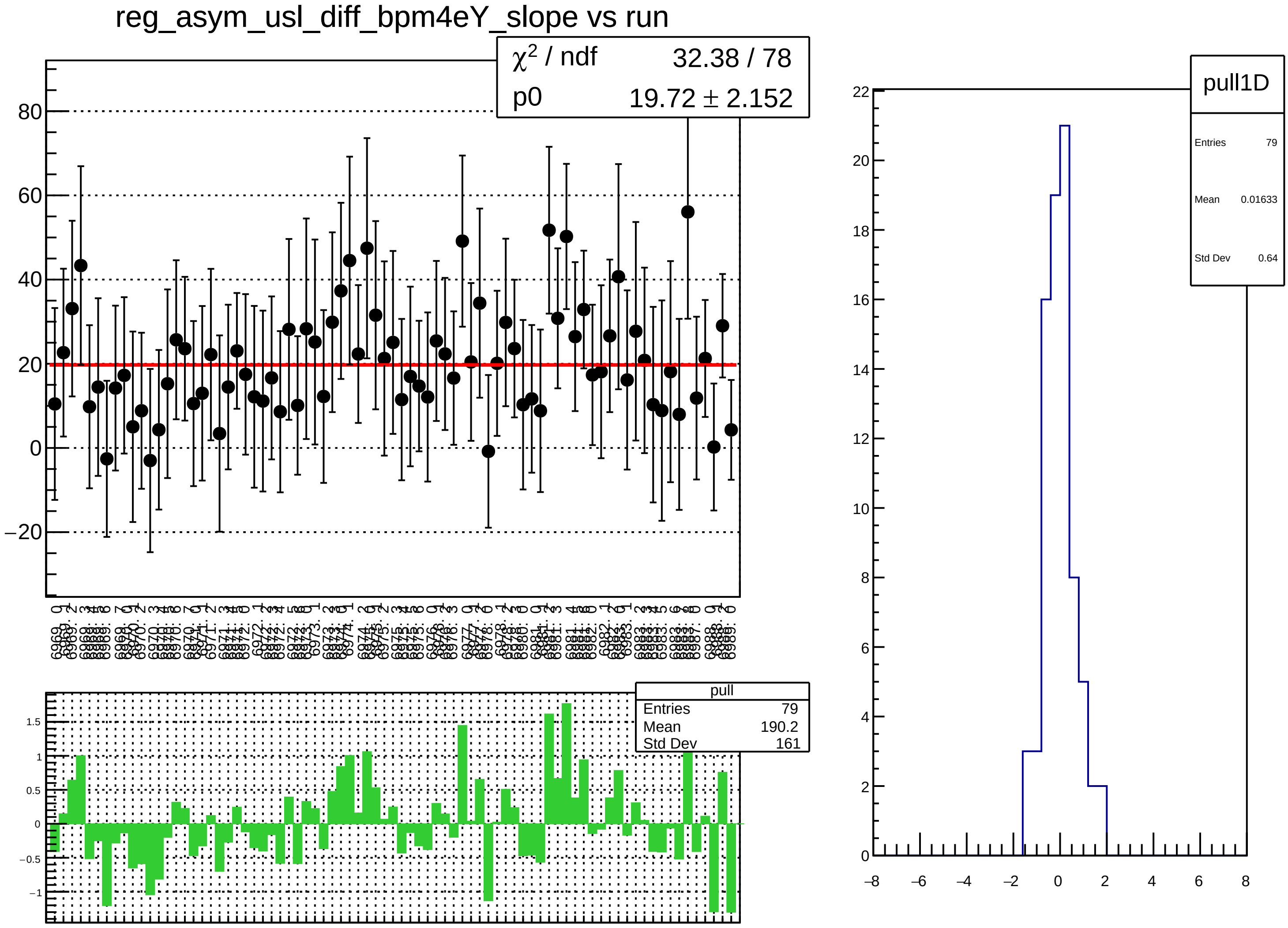


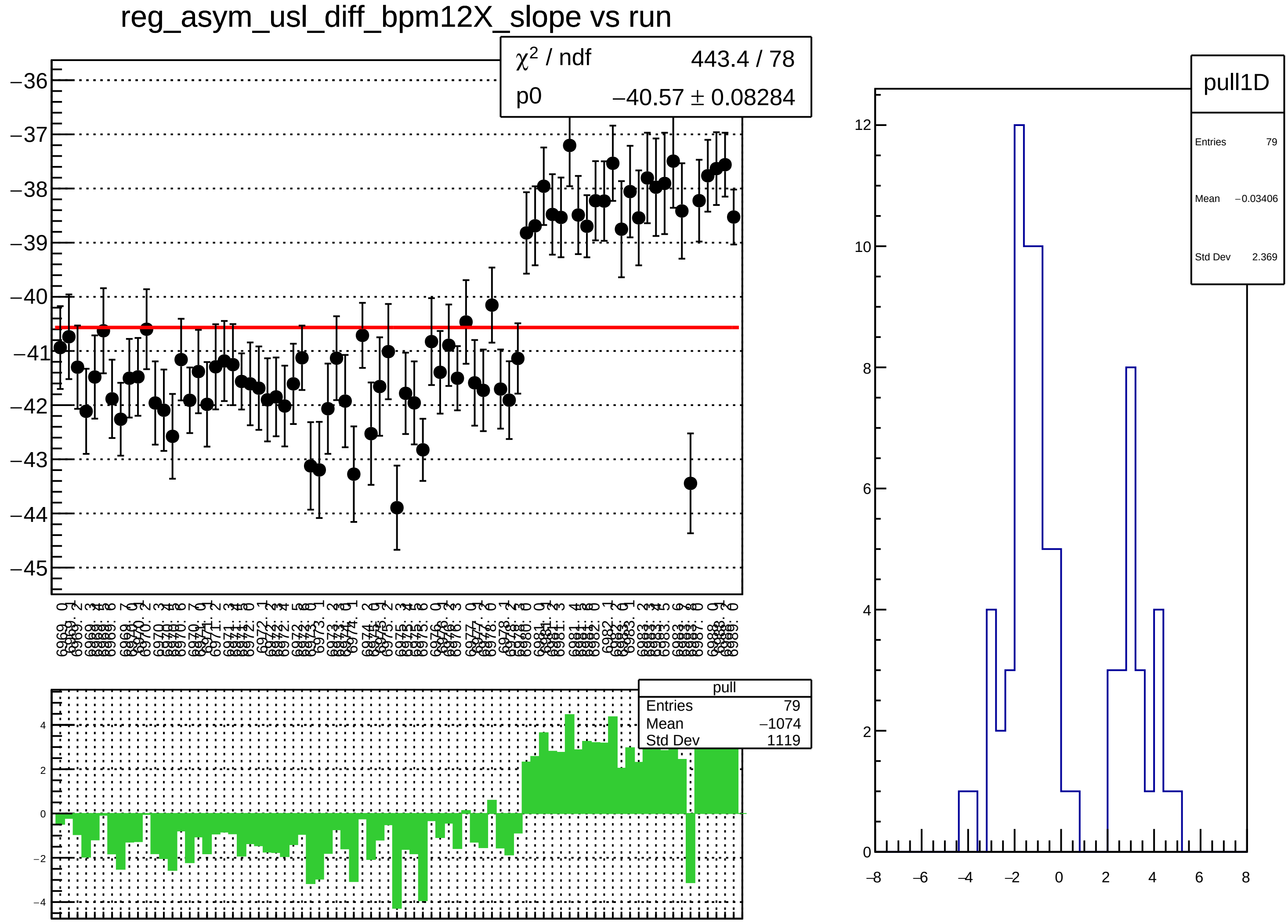
reg_asym_usl_diff_bpm1X_slope vs run
χ2 / ndf 29.01 / 78
p0 −79.85 ± 2.662
pull
Entries 79
Mean 2962
Std Dev 2921
pull1D
Entries 79
Mean 0.001842
Std Dev 0.6059


reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 30.43 / 78
p0 1.269 ± 1.877
pull
Entries 79
Mean 170.6
Std Dev 141.2
pull1D
Entries 79
Mean −0.01369
Std Dev 0.6205

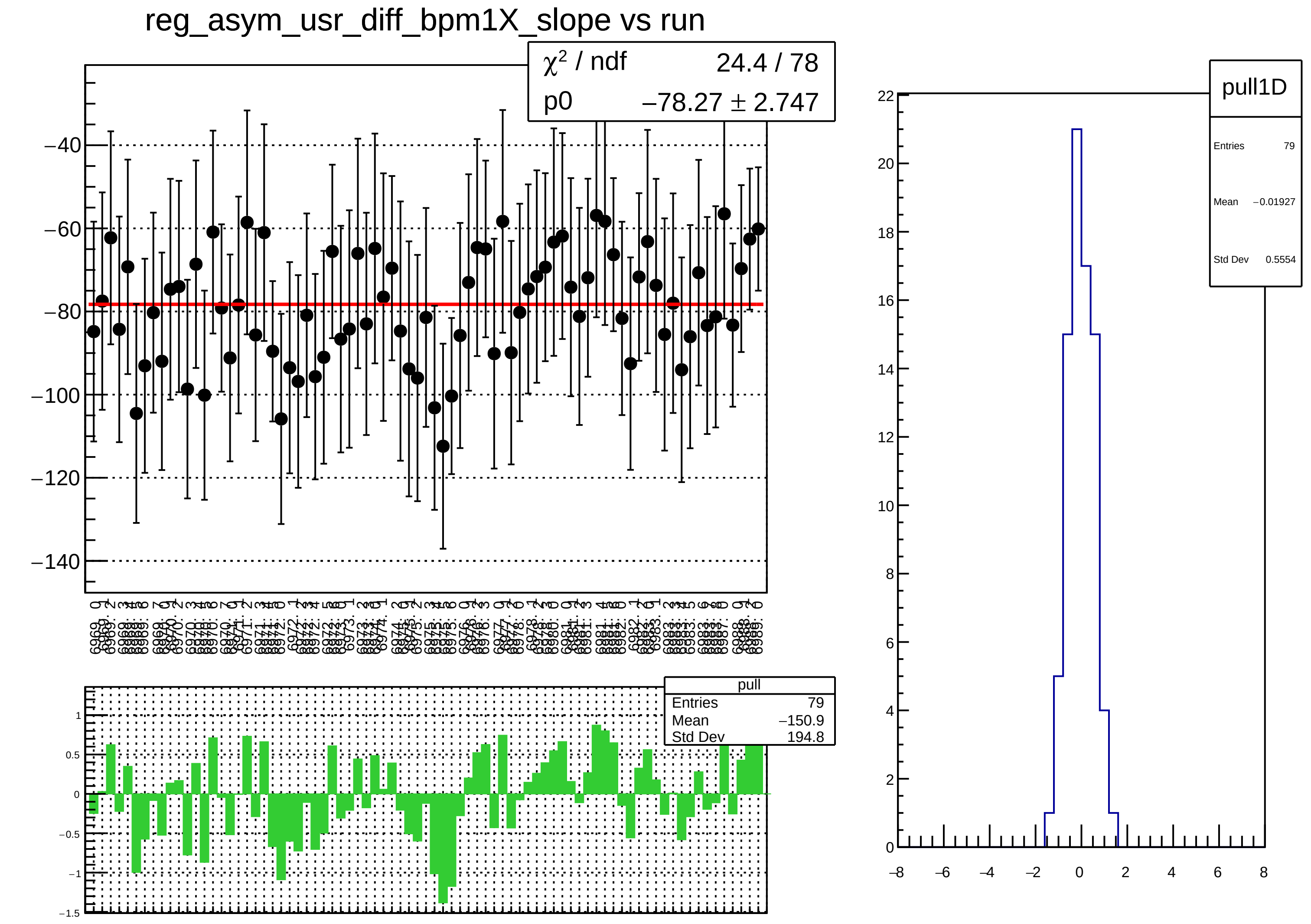


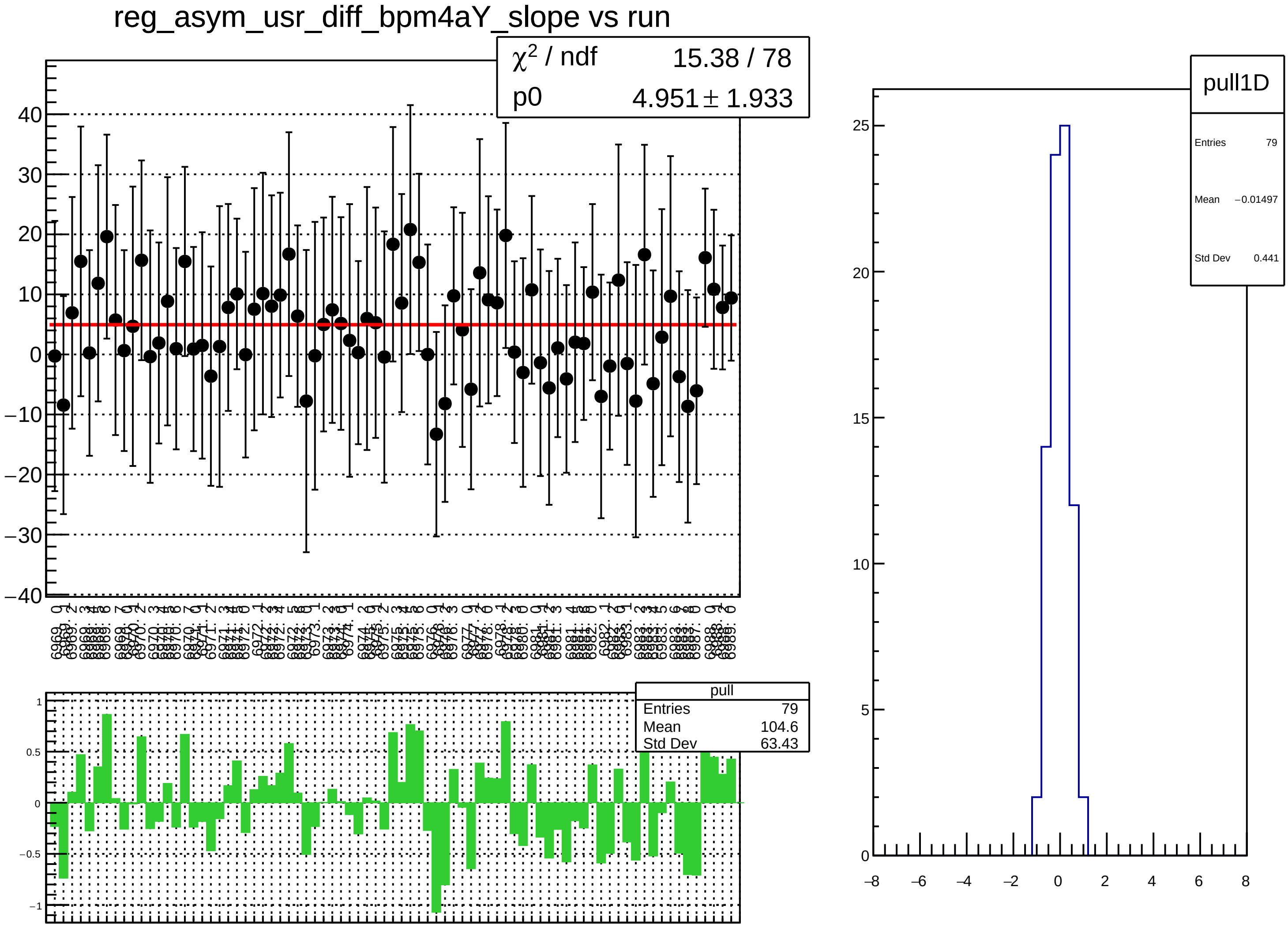
reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 29.1 / 78
p0 14.69 ± 2.448
pull
Entries 79
Mean −5484
Std Dev 5525
pull1D
Entries 79
Mean 0.001047
Std Dev 0.6069


reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 32.38 / 78
p0 19.72 ± 2.152
pull
Entries 79
Mean 190.2
Std Dev 161
pull1D
Entries 79
Mean 0.01633
Std Dev 0.64



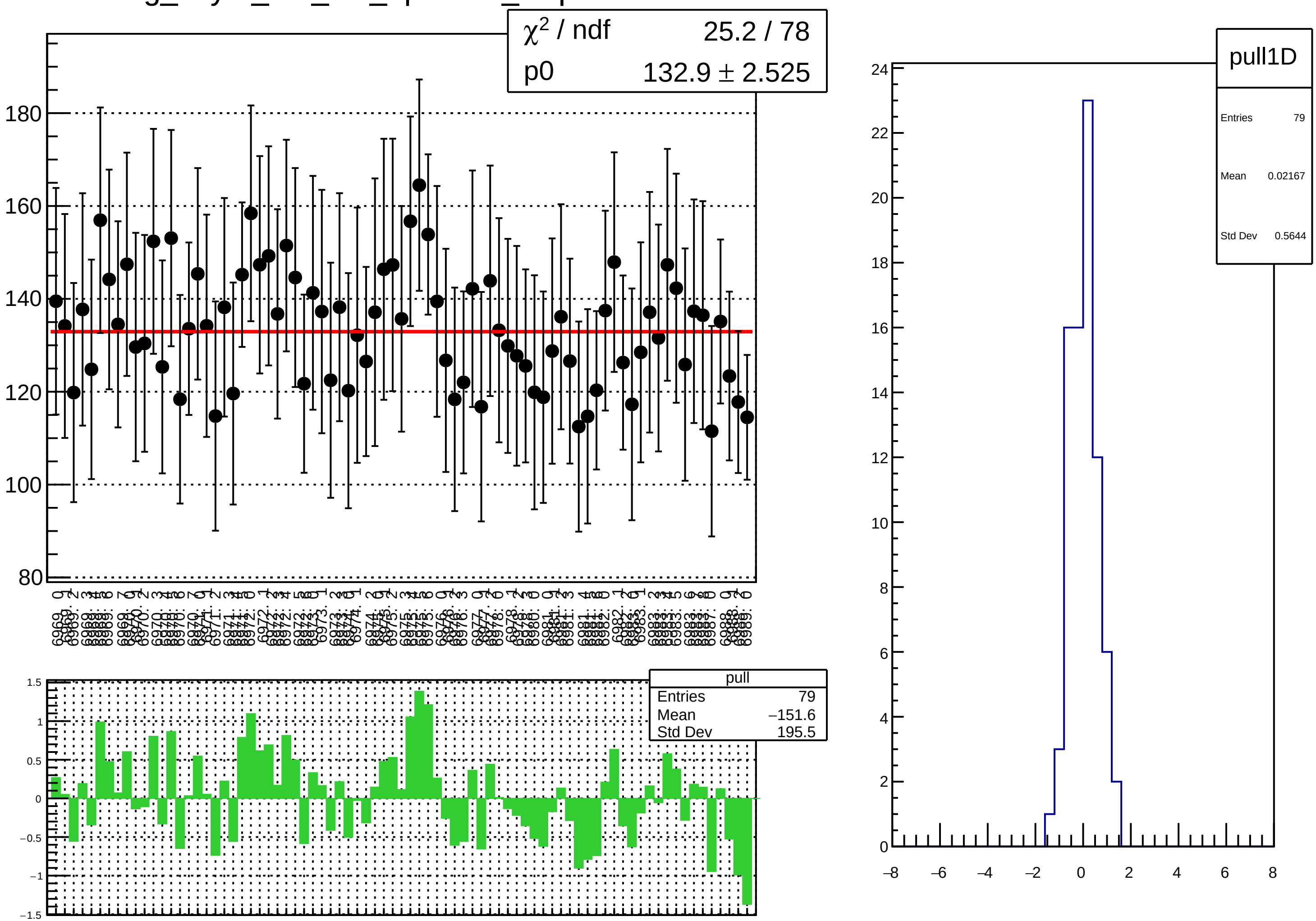
reg_asym_usl_diff_bpm12X_slope vs run
χ2 / ndf 443.4 / 78
p0 −40.57 ± 0.08284
pull
Entries 79
Mean −1074
Std Dev 1119
pull1D
Entries 79
Mean −0.03406
Std Dev 2.369

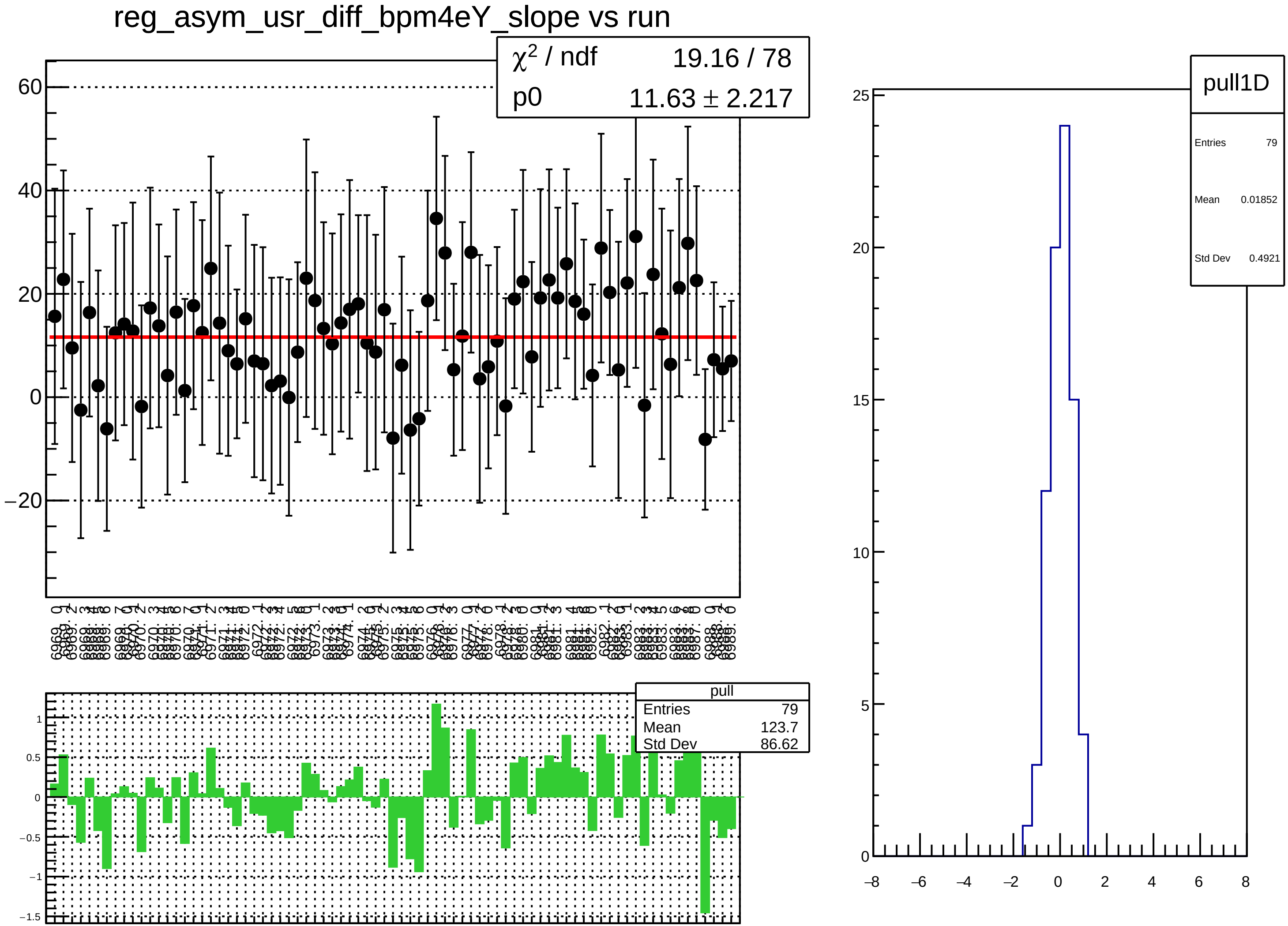

reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 24.4 / 78
p0 −78.27 ± 2.747
−40
−60
−80
−100
−120
−140
pull
Entries 79
Mean −150.9
Std Dev 194.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 79
Mean −0.01927
Std Dev 0.5554
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

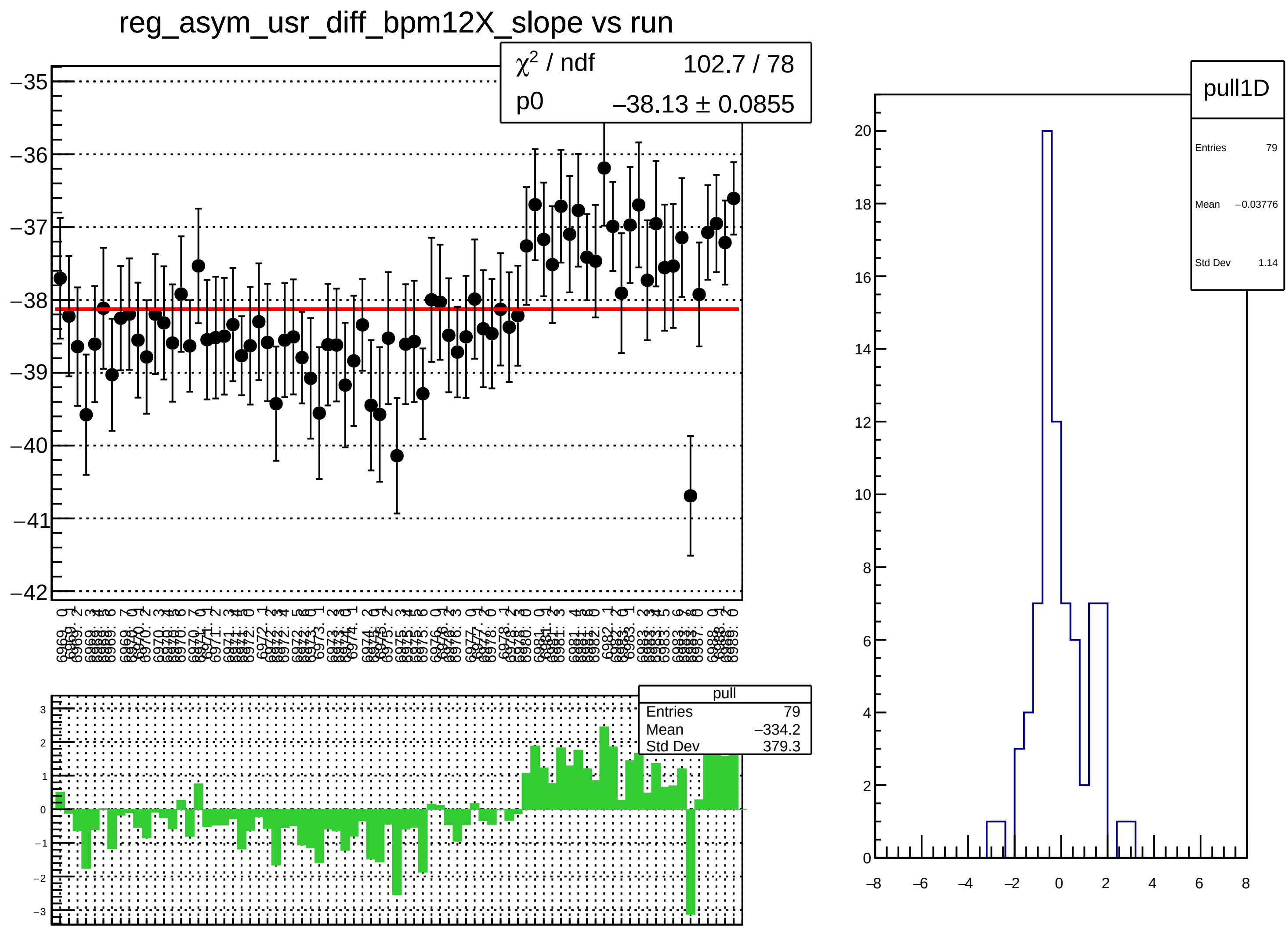


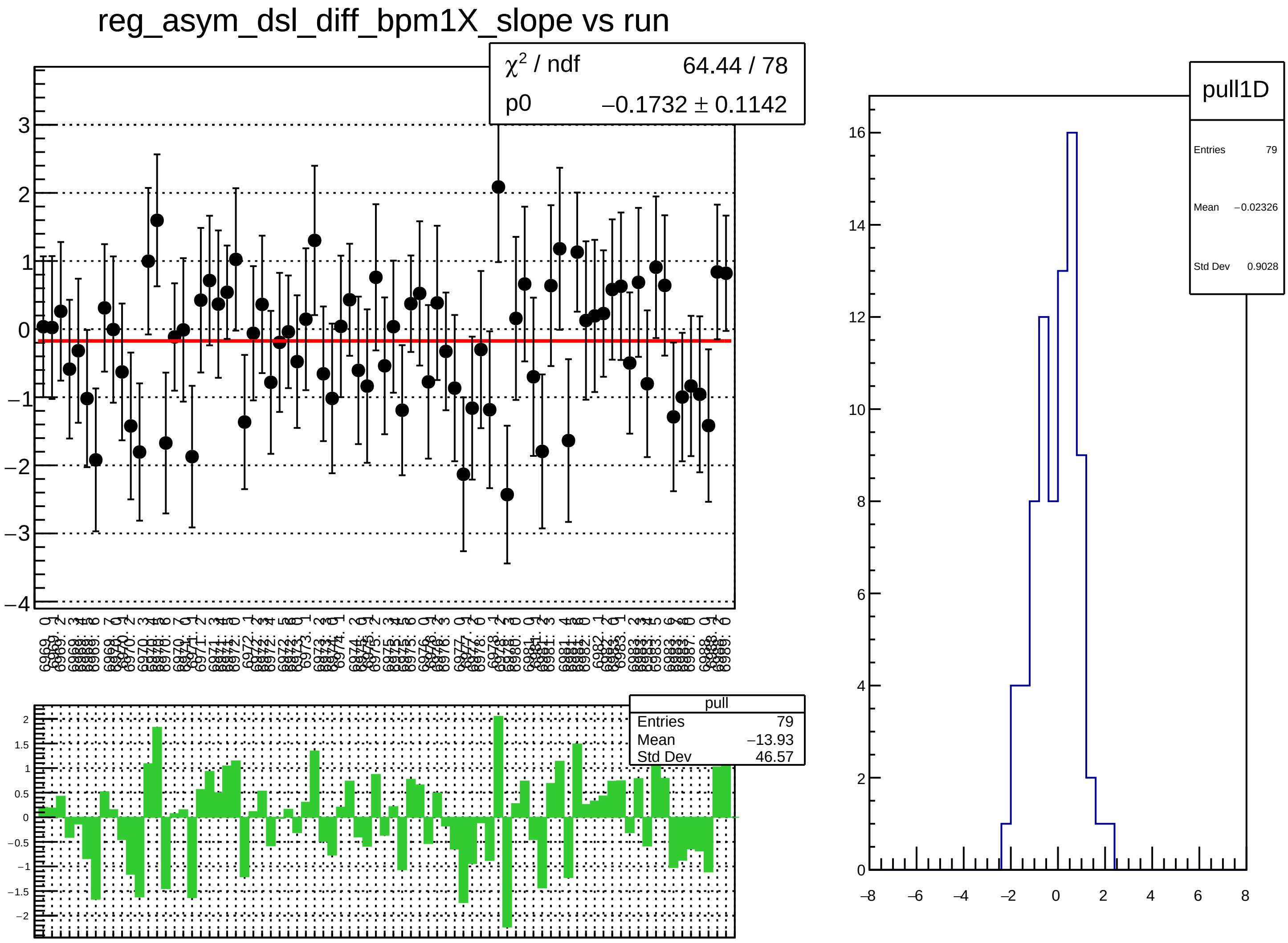
reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 15.38 / 78
p0 4.951 ± 1.933
pull
Entries 79
Mean 104.6
Std Dev 63.43
pull1D
Entries 79
Mean −0.01497
Std Dev 0.441

reg_asym_usr_diff_bpm4eX_slope vs run

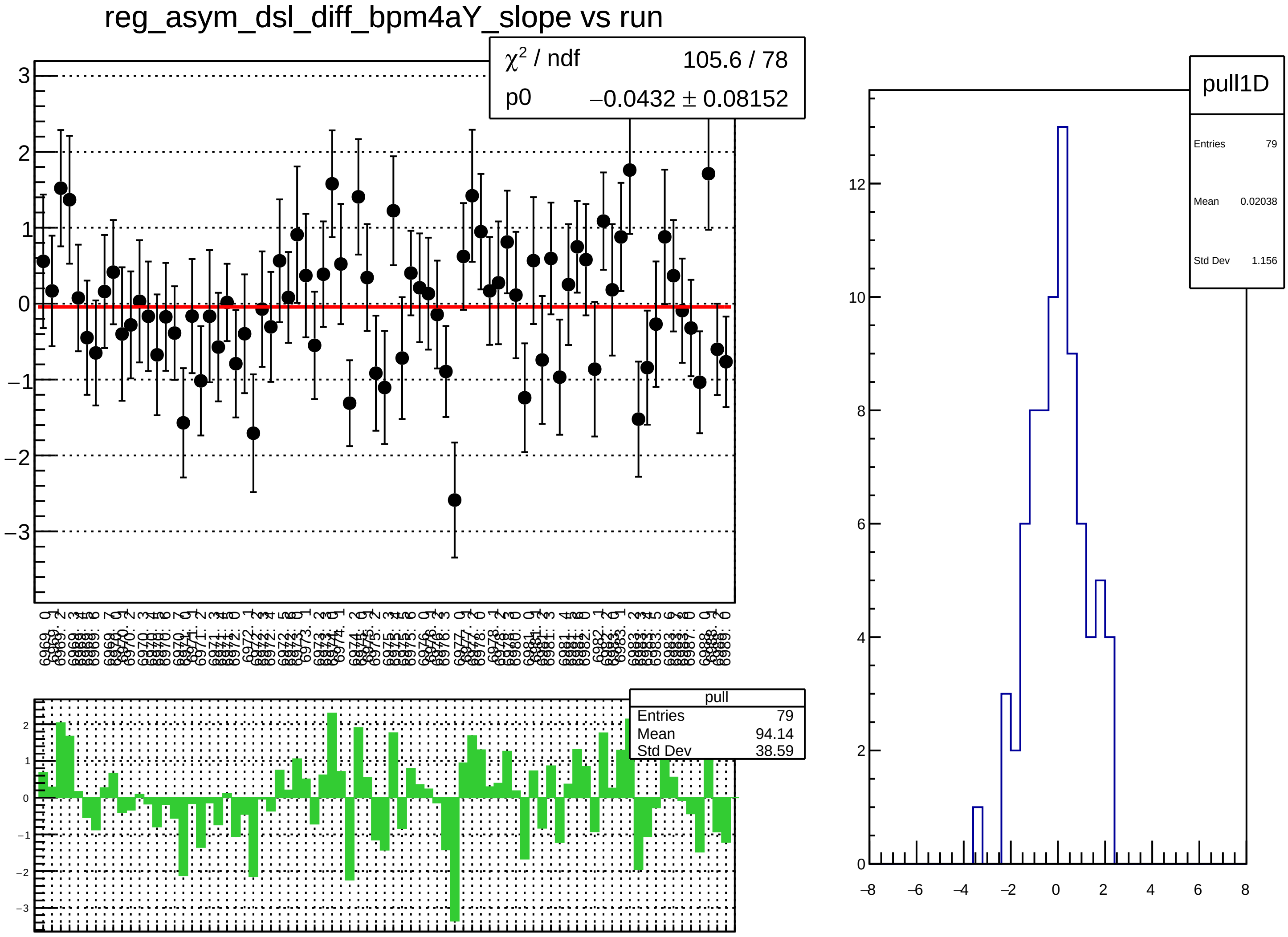



reg_asym_usr_diff_bpm4eY_slope vs run
χ2 / ndf 19.16 / 78
p0 11.63 ± 2.217
60
40
20
0
−20
pull
Entries 79
Mean 123.7
Std Dev 86.62
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 79
Mean 0.01852
Std Dev 0.4921
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

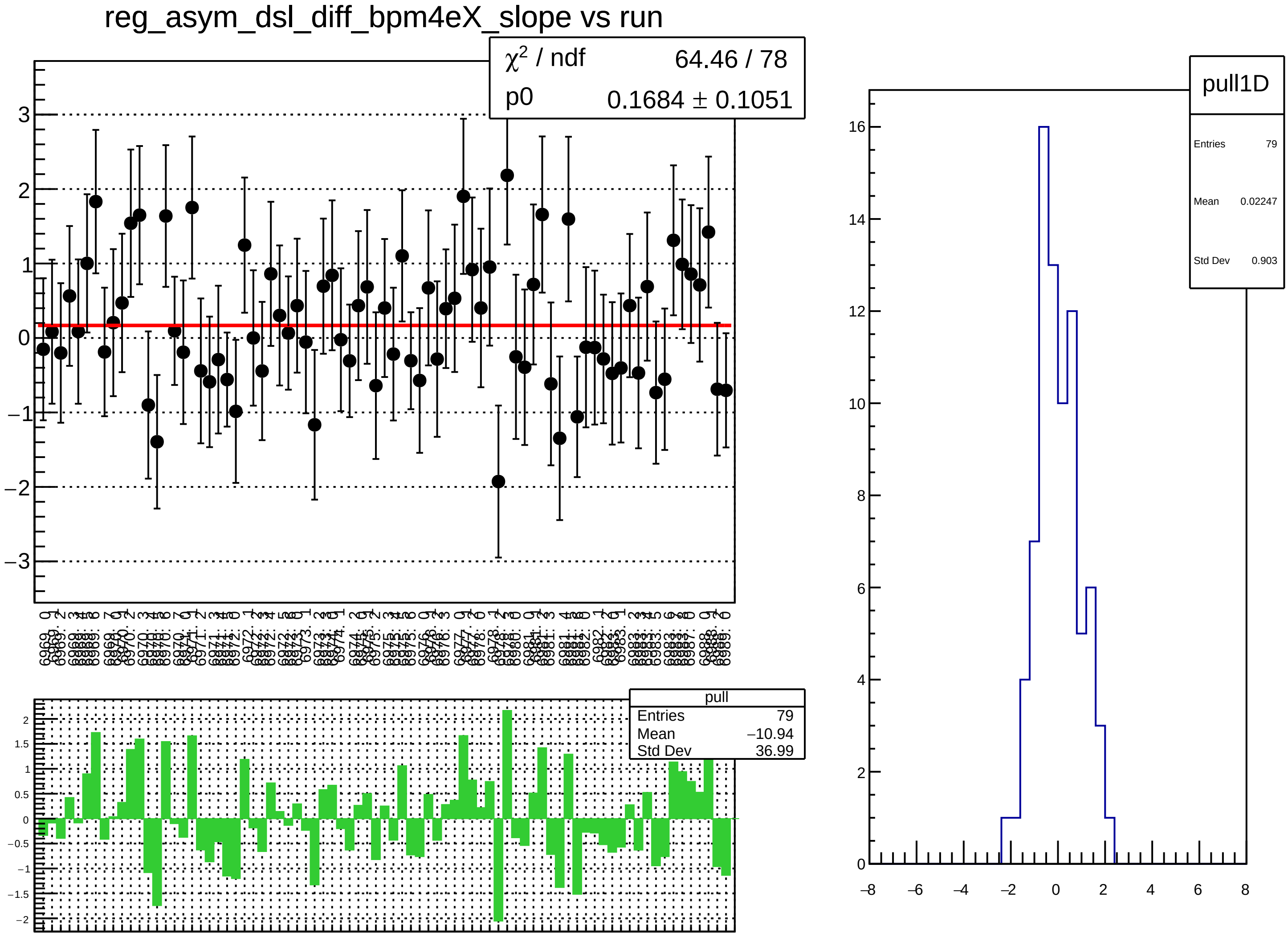

reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 102.7 / 78
p0 −38.13 ± 0.0855
pull
Entries 79
Mean −334.2
Std Dev 379.3
pull1D
Entries 79
Mean −0.03776
Std Dev 1.14



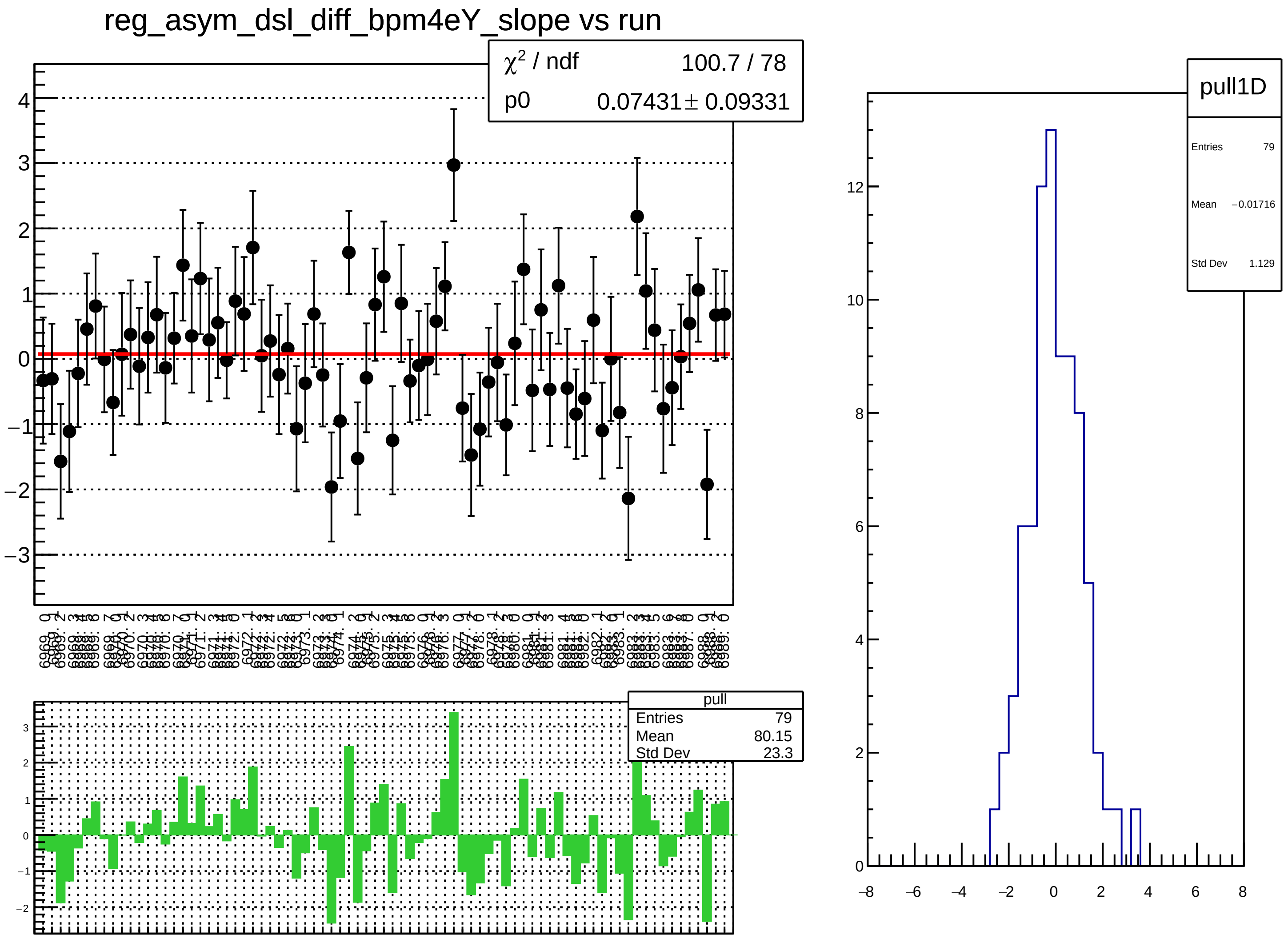
reg_asym_dsl_diff_bpm1X_slope vs run
χ2 / ndf 64.44 / 78
p0 −0.1732 ± 0.1142
pull
Entries 79
Mean −13.93
Std Dev 46.57
pull1D
Entries 79
Mean −0.02326
Std Dev 0.9028



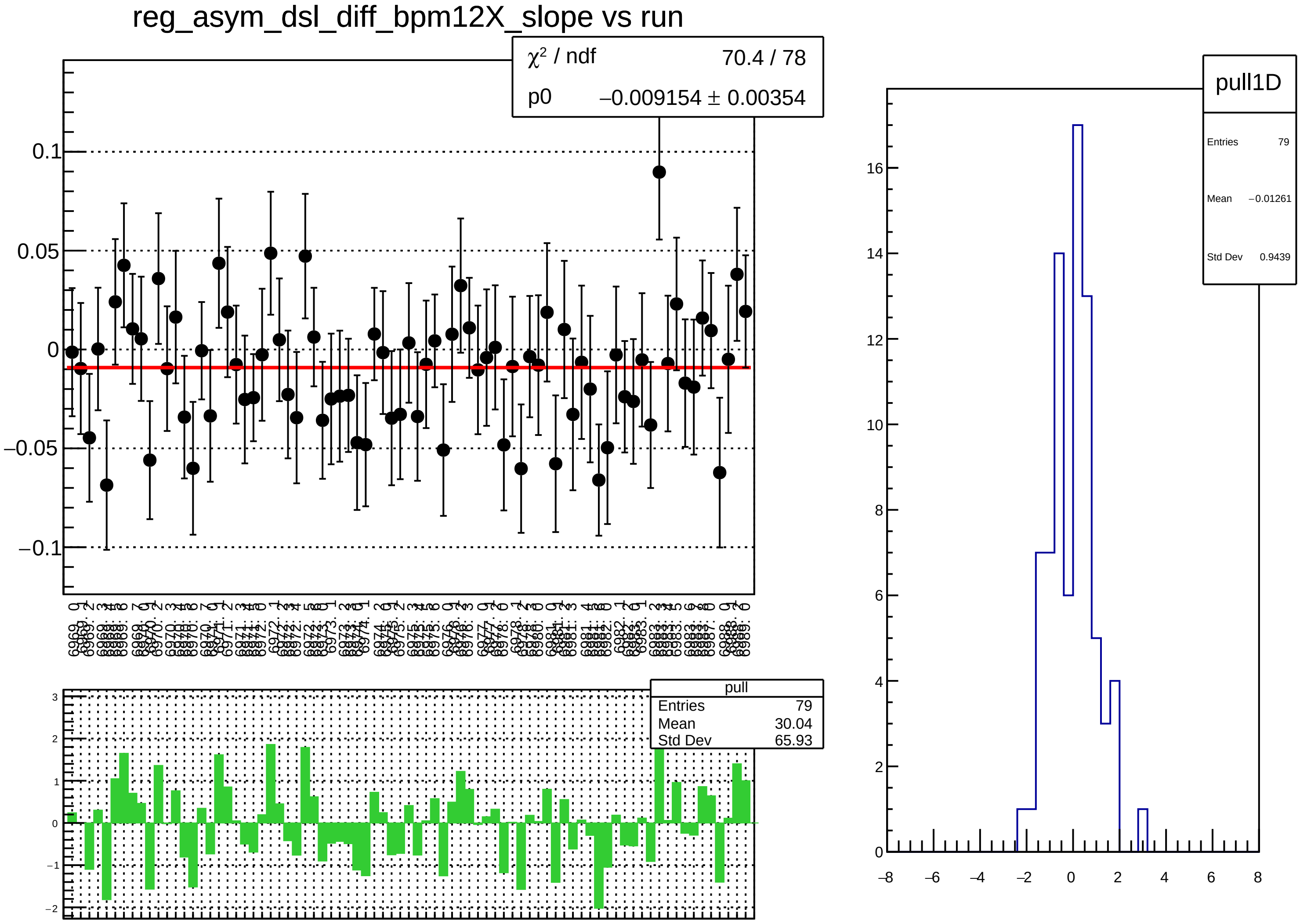
reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 105.6 / 78
p0 −0.0432 ± 0.08152
pull
Entries 79
Mean 94.14
Std Dev 38.59
pull1D
Entries 79
Mean 0.02038
Std Dev 1.156



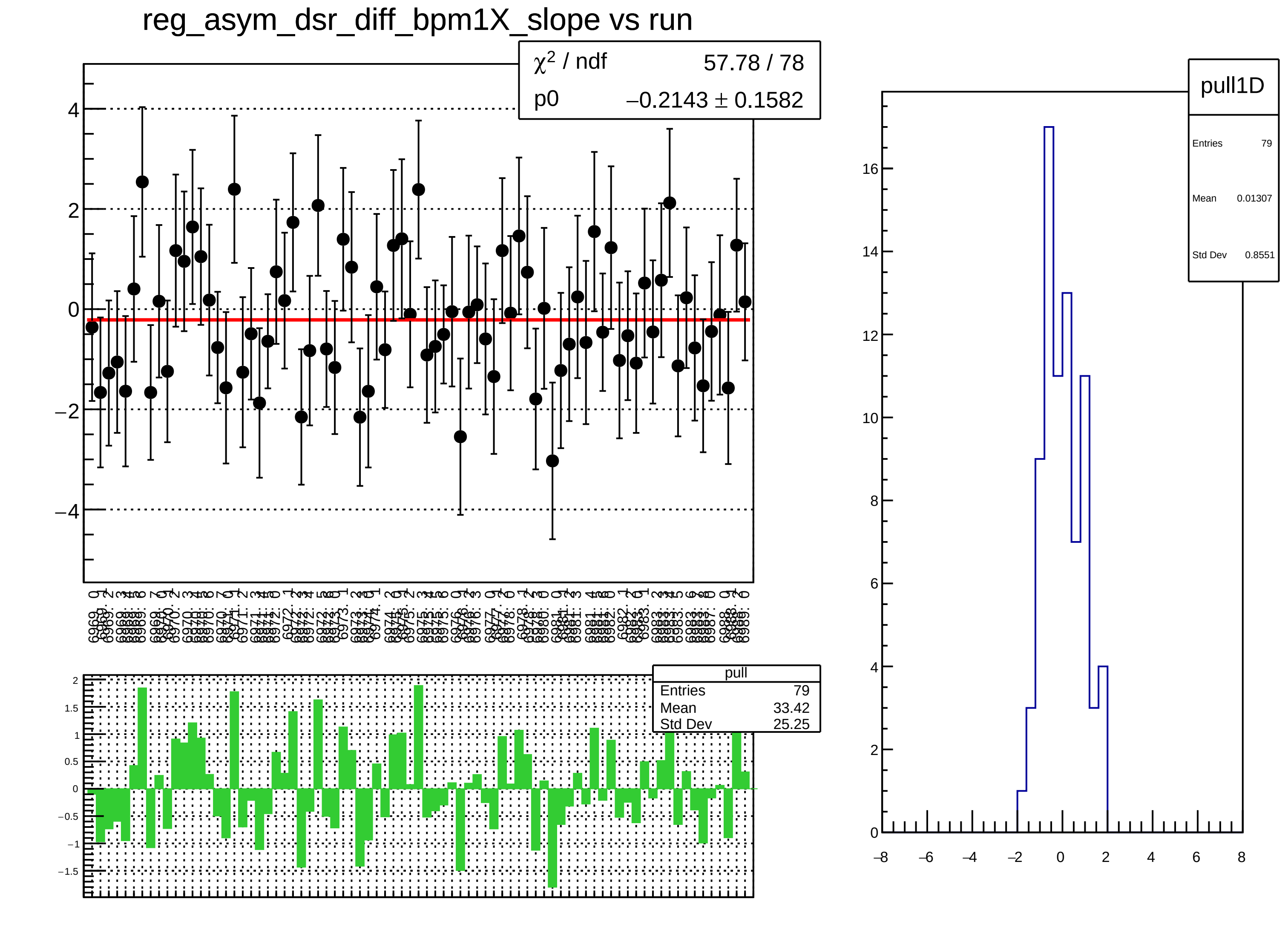
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 64.46 / 78
p0 0.1684 ± 0.1051
pull
Entries 79
Mean −10.94
Std Dev 36.99
pull1D
Entries 79
Mean 0.02247
Std Dev 0.903

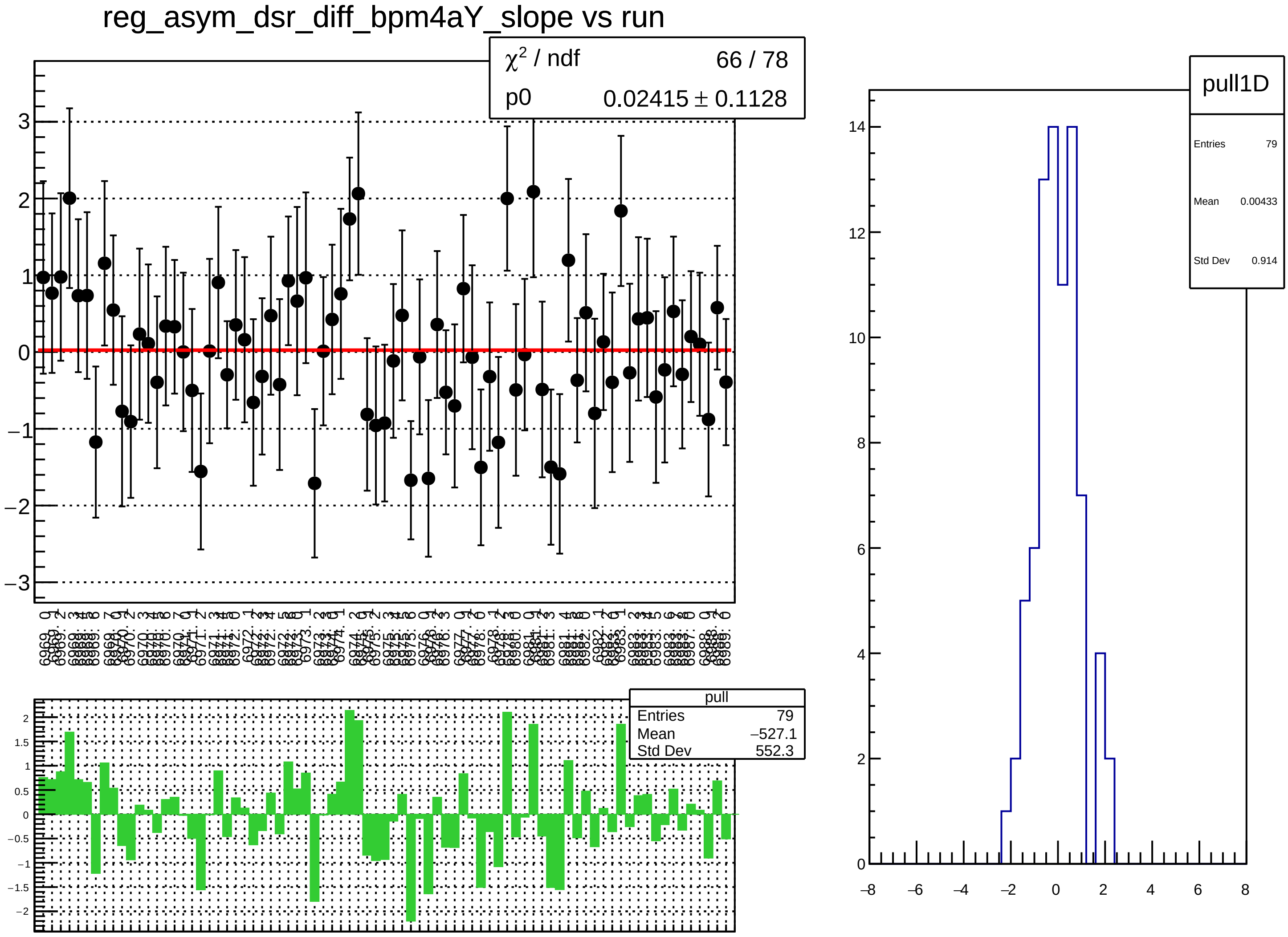


reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 100.7 / 78
p0 0.07431 ± 0.09331
pull
Entries 79
Mean 80.15
Std Dev 23.3
pull1D
Entries 79
Mean −0.01716
Std Dev 1.129

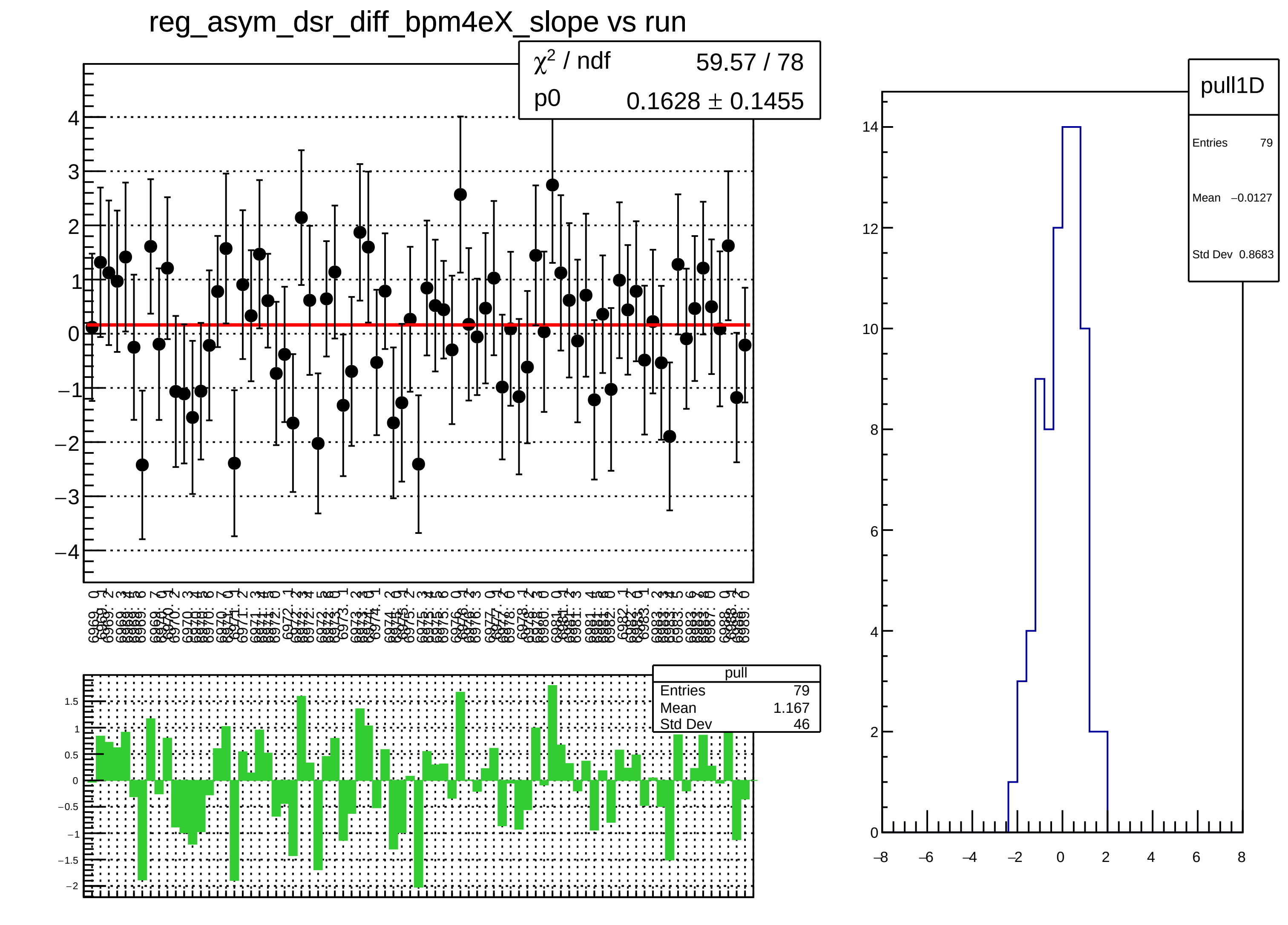


reg_asym_dsl_diff_bpm12X_slope vs run
χ2 / ndf 70.4 / 78
p0 −0.009154 ± 0.00354
pull
Entries 79
Mean 30.04
Std Dev 65.93
pull1D
Entries 79
Mean −0.01261
Std Dev 0.9439

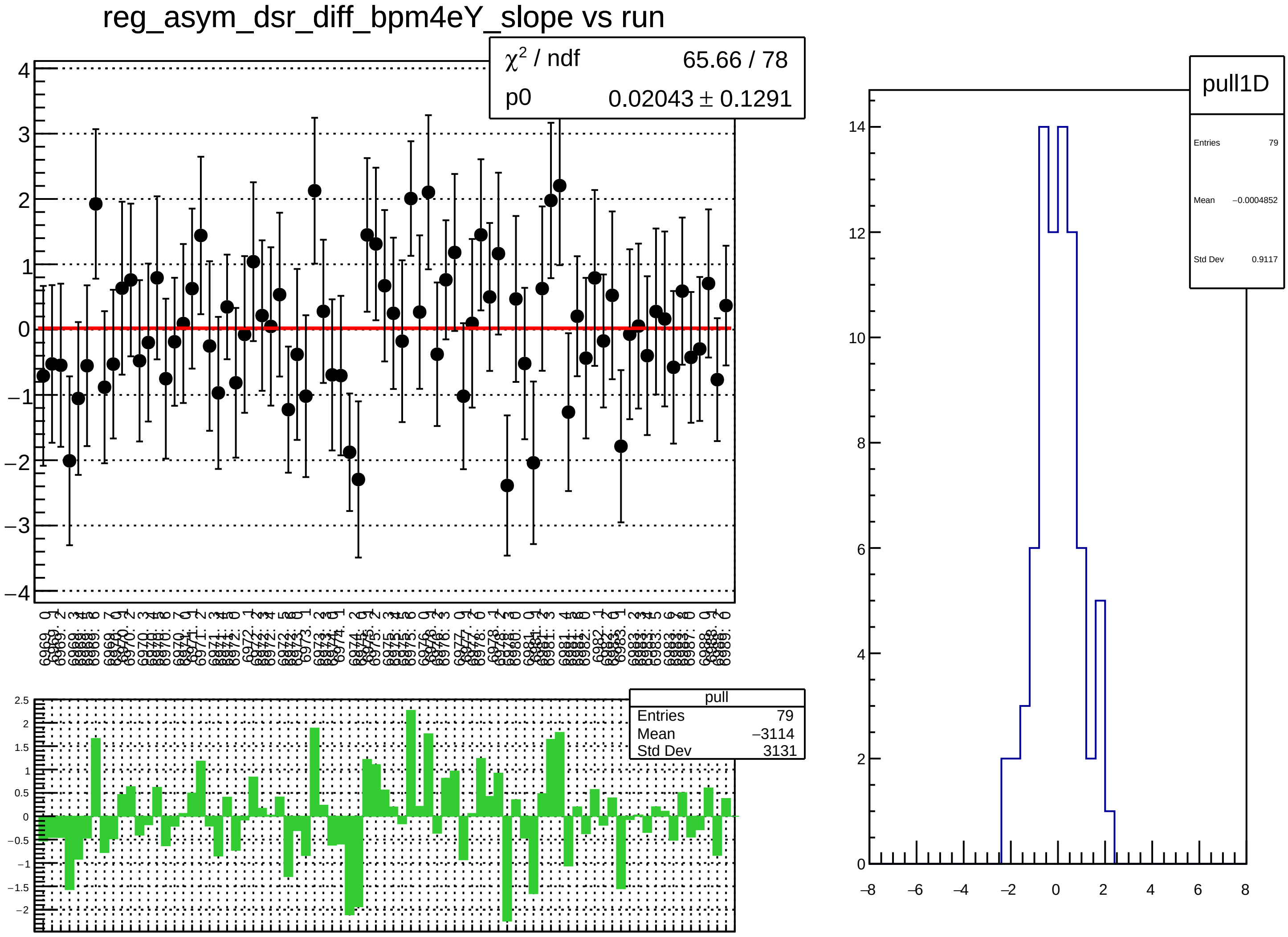

reg_asym_dsr_diff_bpm1X_slope vs run
χ^2 / ndf 57.78 / 78
p0 −0.2143 ± 0.1582
pull
Entries 79
Mean 33.42
Std Dev 25.25
pull1D
Entries 79
Mean 0.01307
Std Dev 0.8551



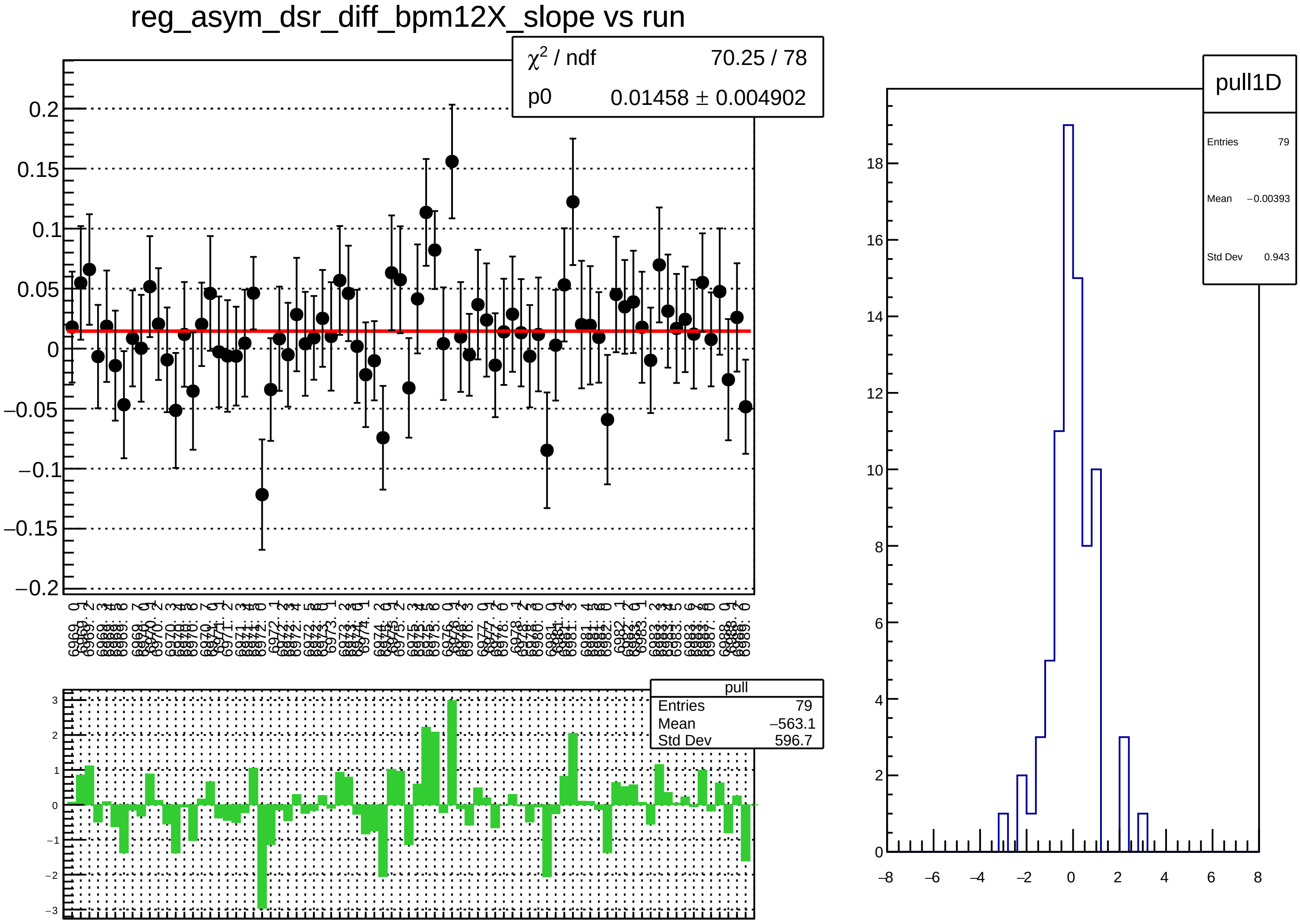
reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 66 / 78
p0 0.02415 ± 0.1128
pull
Entries 79
Mean −527.1
Std Dev 552.3
pull1D
Entries 79
Mean 0.00433
Std Dev 0.914



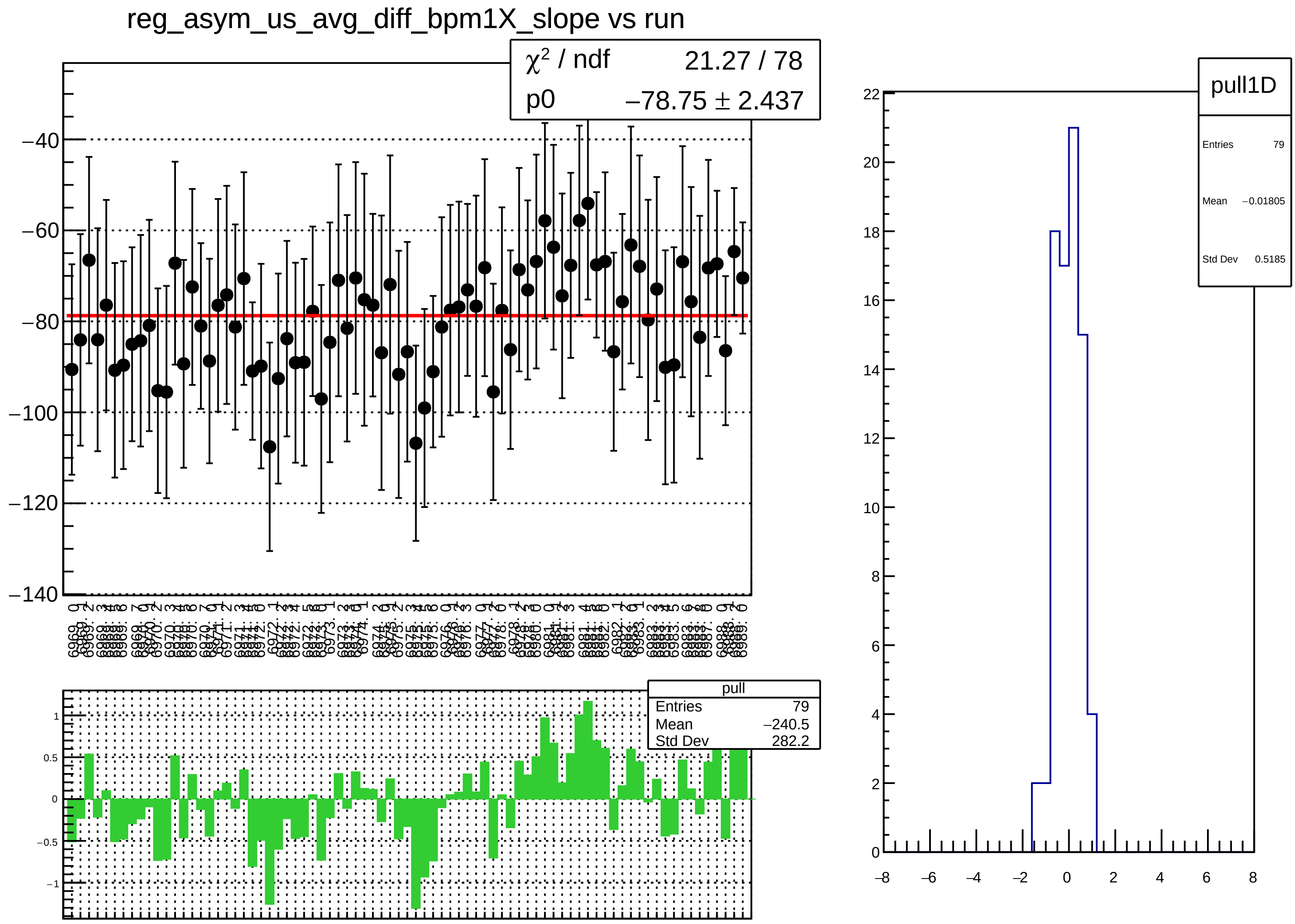
reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 59.57 / 78
p0 0.1628 ± 0.1455
pull
Entries 79
Mean 1.167
Std Dev 46
pull1D
Entries 79
Mean −0.0127
Std Dev 0.8683



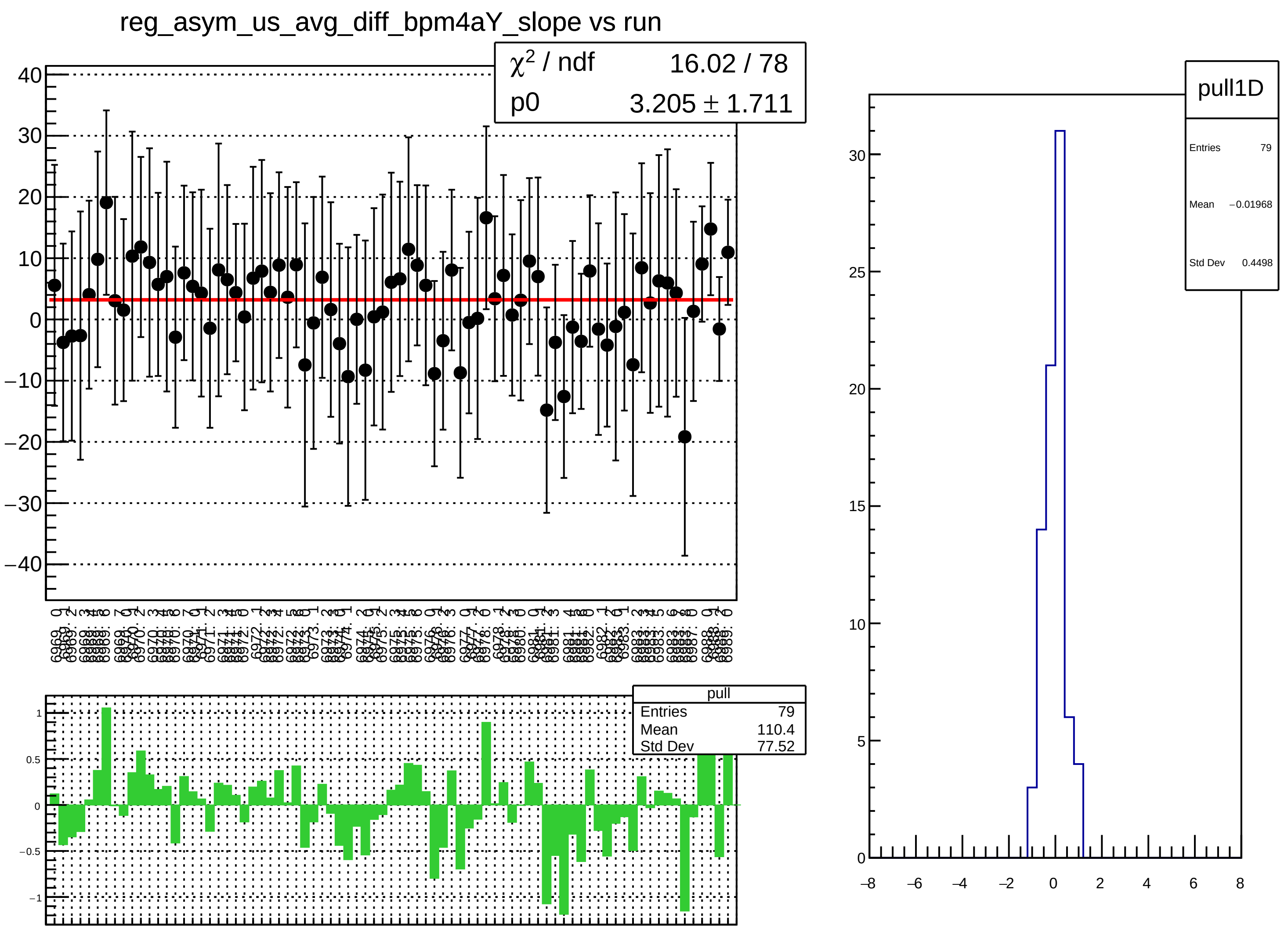
reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 65.66 / 78
p0 0.02043 ± 0.1291
pull
Entries 79
Mean −3114
Std Dev 3131
pull1D
Entries 79
Mean −0.0004852
Std Dev 0.9117

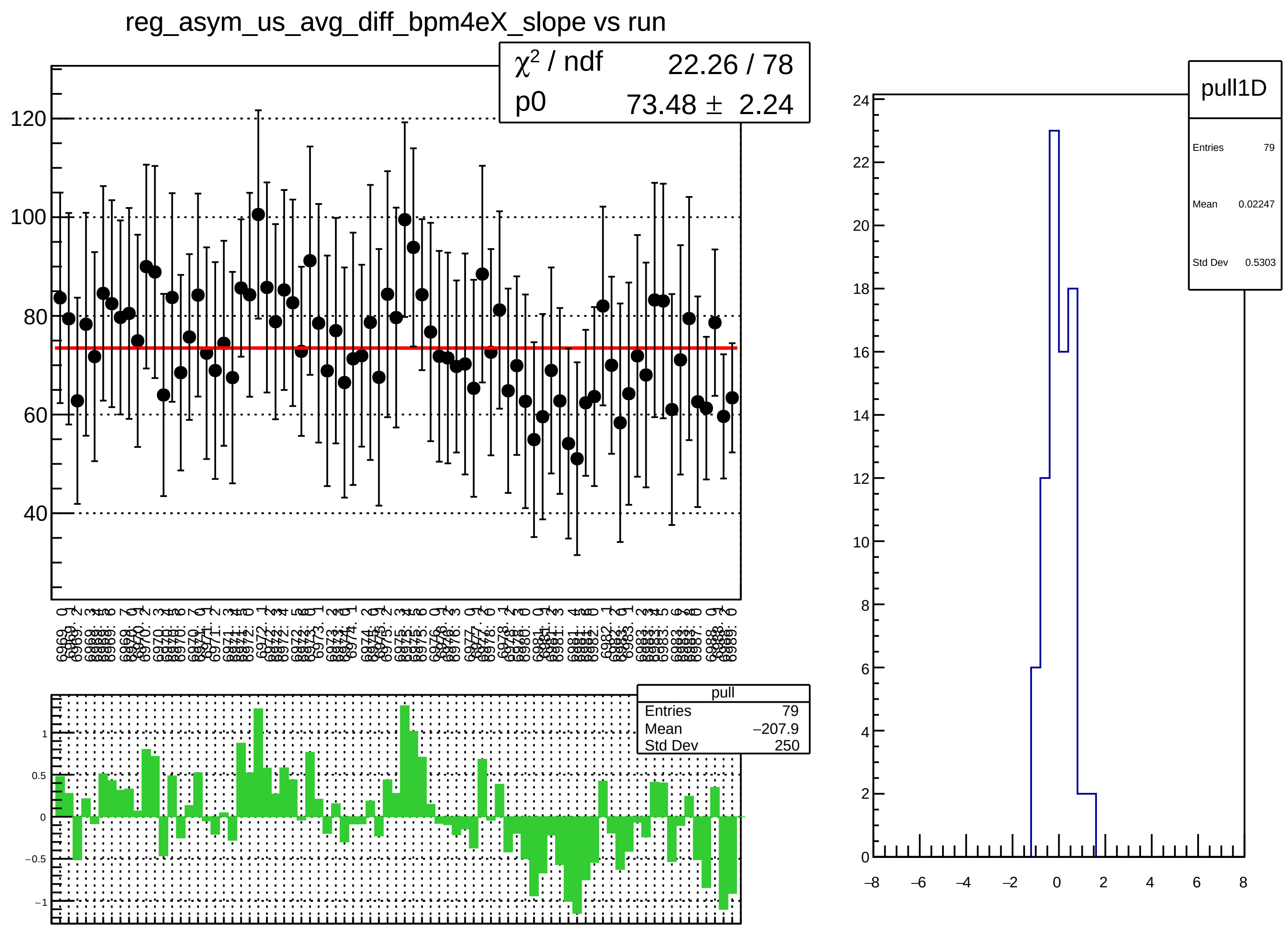


reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 70.25 / 78
p0 0.01458 ± 0.004902
pull
Entries 79
Mean −563.1
Std Dev 596.7
pull1D
Entries 79
Mean −0.00393
Std Dev 0.943

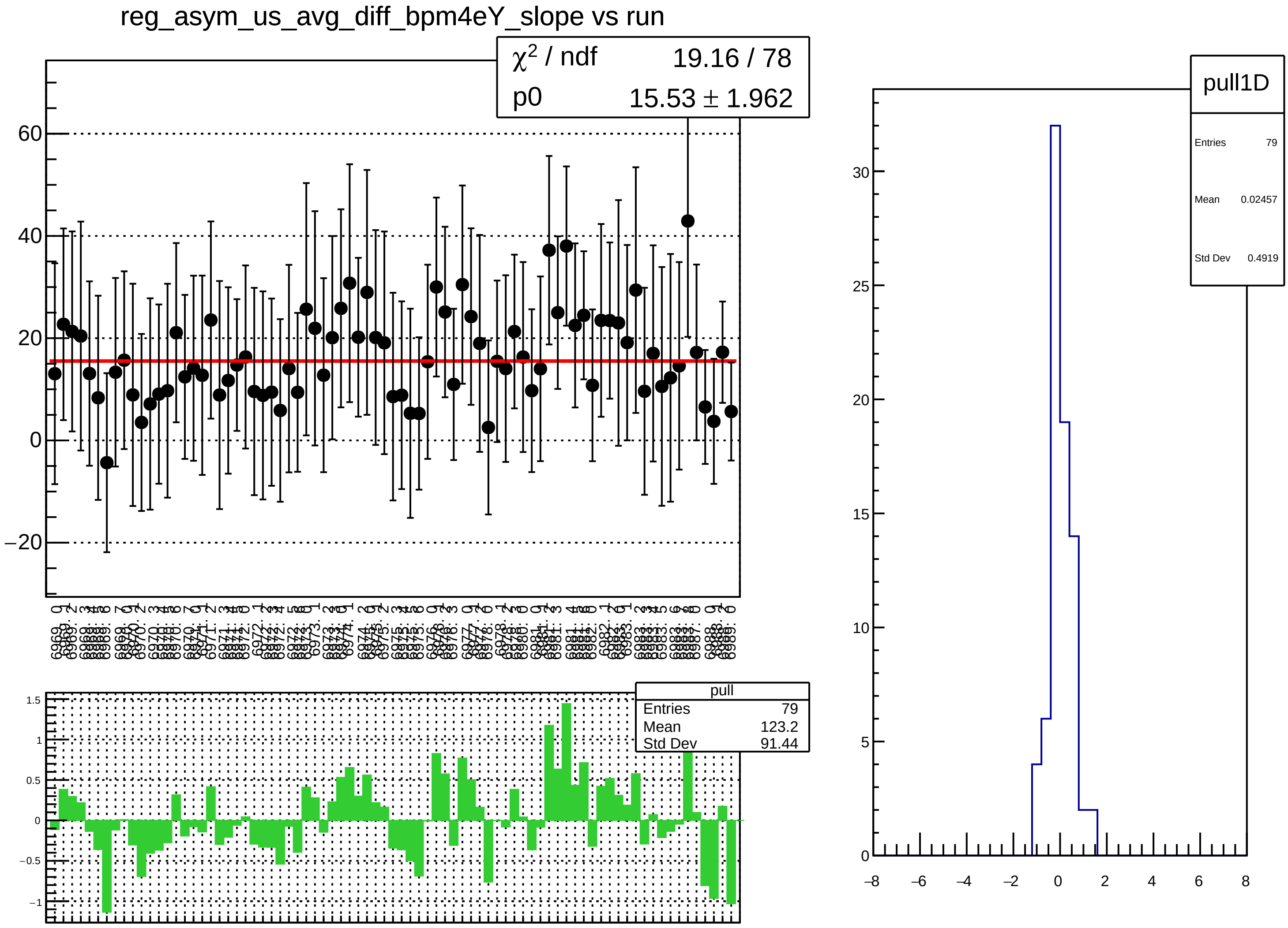


reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 21.27 / 78
p0 −78.75 ± 2.437
pull
Entries 79
Mean −240.5
Std Dev 282.2
pull1D
Entries 79
Mean −0.01805
Std Dev 0.5185

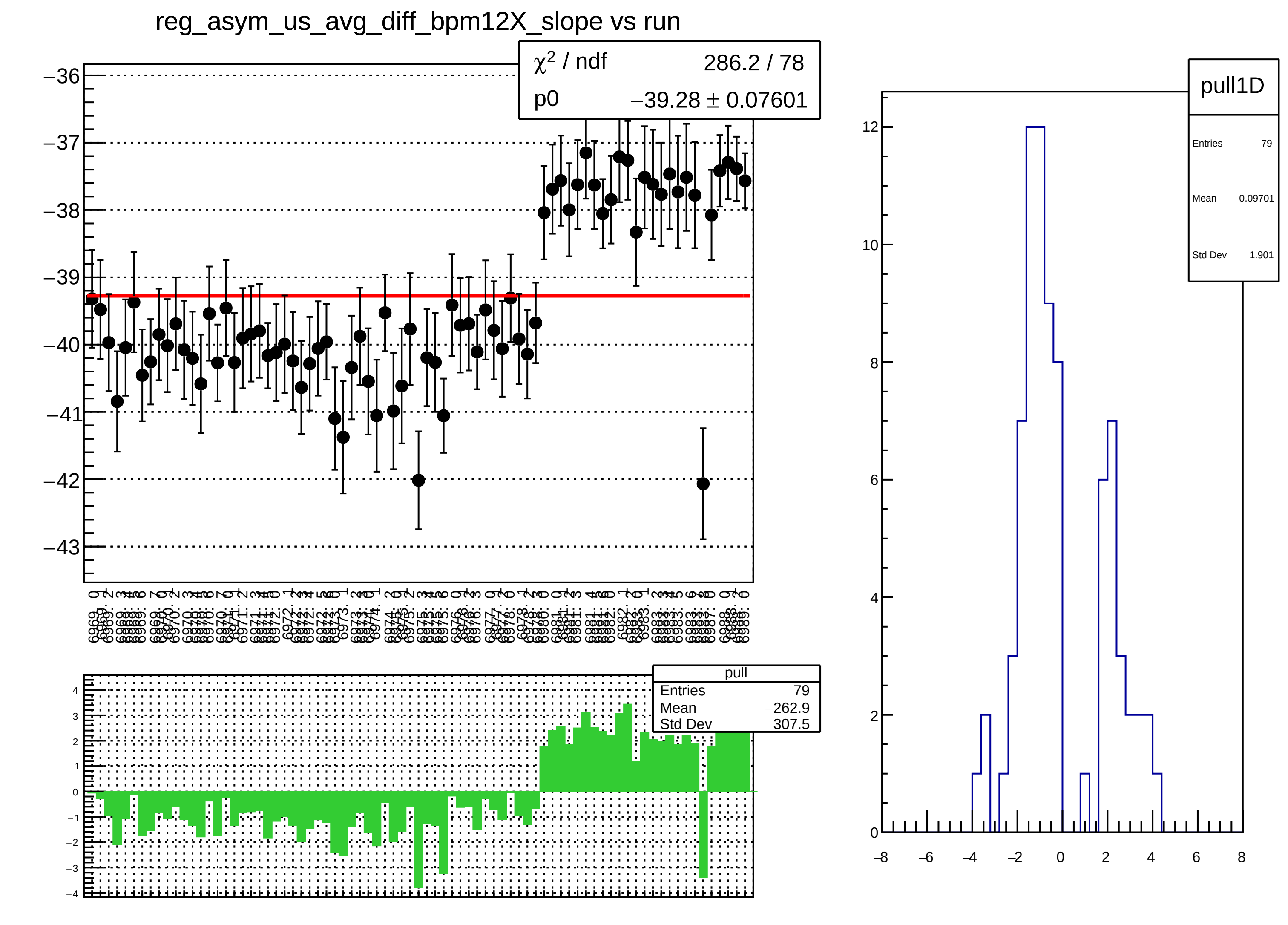

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ2 / ndf 16.02 / 78
p0 3.205 ± 1.711
pull
Entries 79
Mean 110.4
Std Dev 77.52
pull1D
Entries 79
Mean −0.01968
Std Dev 0.4498



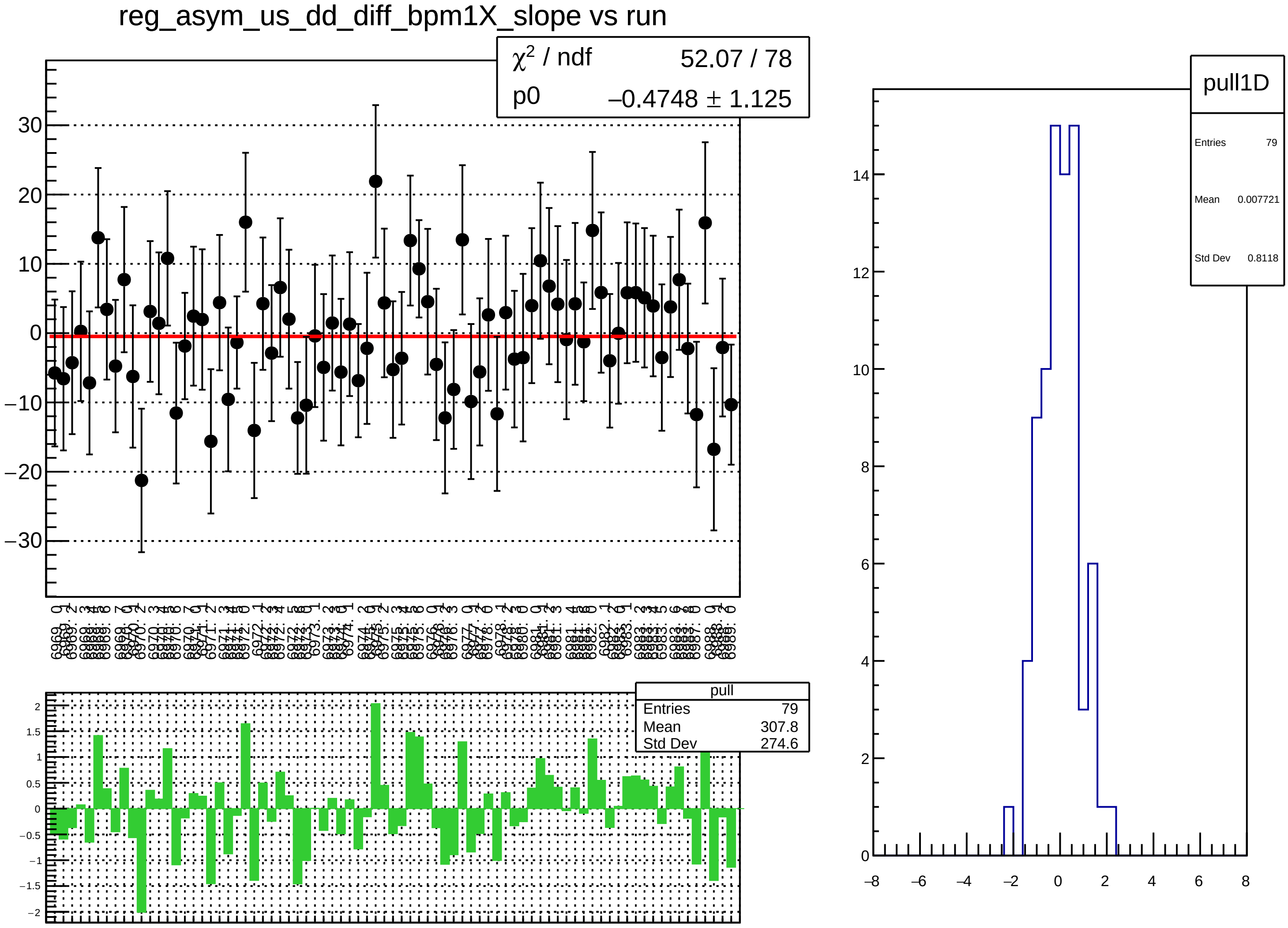
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 22.26 / 78
p0 73.48 ± 2.24
pull
Entries 79
Mean −207.9
Std Dev 250
pull1D
Entries 79
Mean 0.02247
Std Dev 0.5303



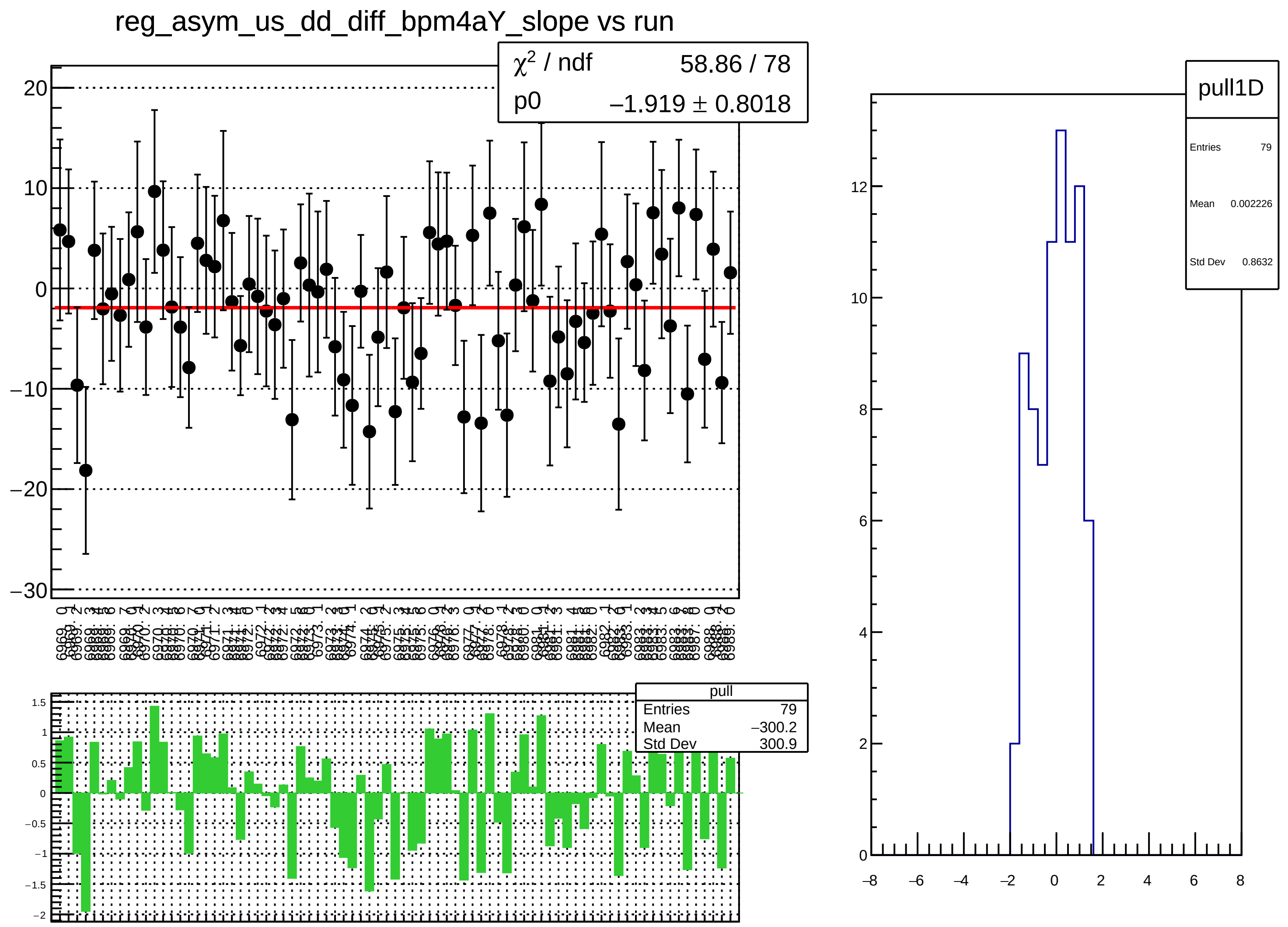
reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 19.16 / 78
p0 15.53 ± 1.962
pull
Entries 79
Mean 123.2
Std Dev 91.44
pull1D
Entries 79
Mean 0.02457
Std Dev 0.4919



reg_asym_us_avg_diff_bpm12X_slope vs run
χ2 / ndf 286.2 / 78
p0 −39.28 ± 0.07601
pull
Entries 79
Mean −262.9
Std Dev 307.5
pull1D
Entries 79
Mean −0.09701
Std Dev 1.901

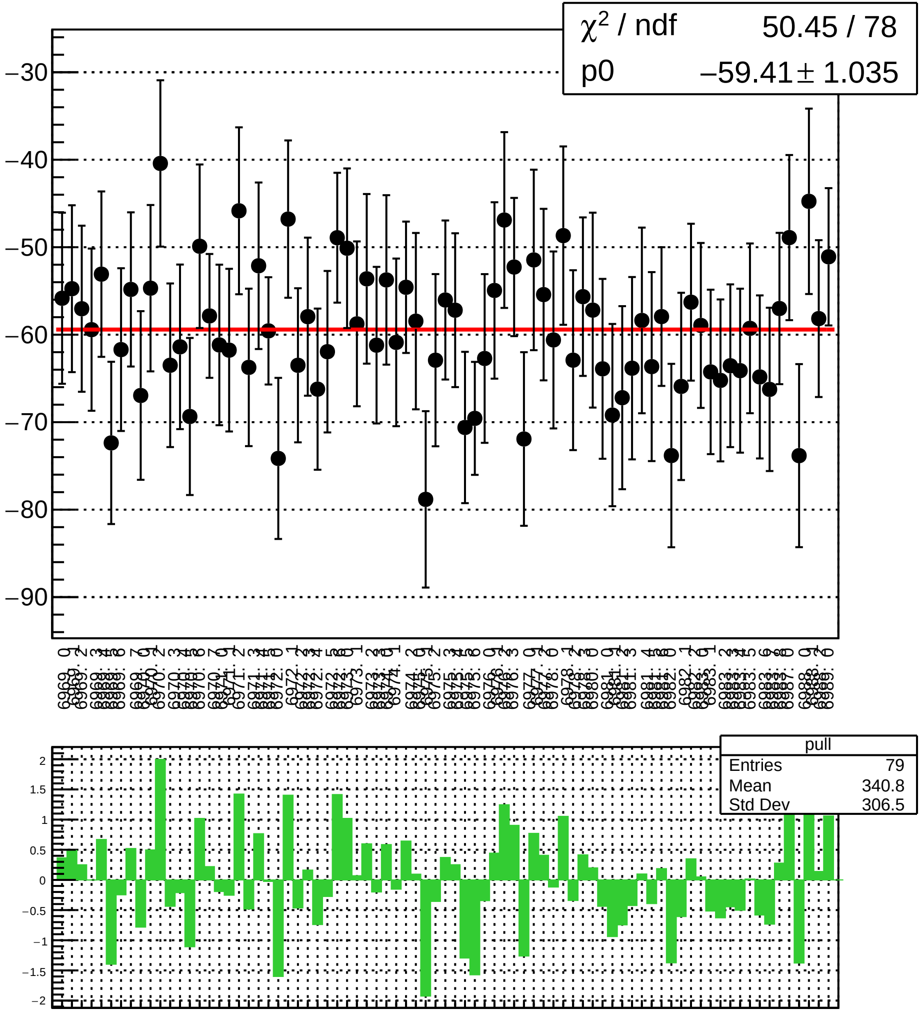


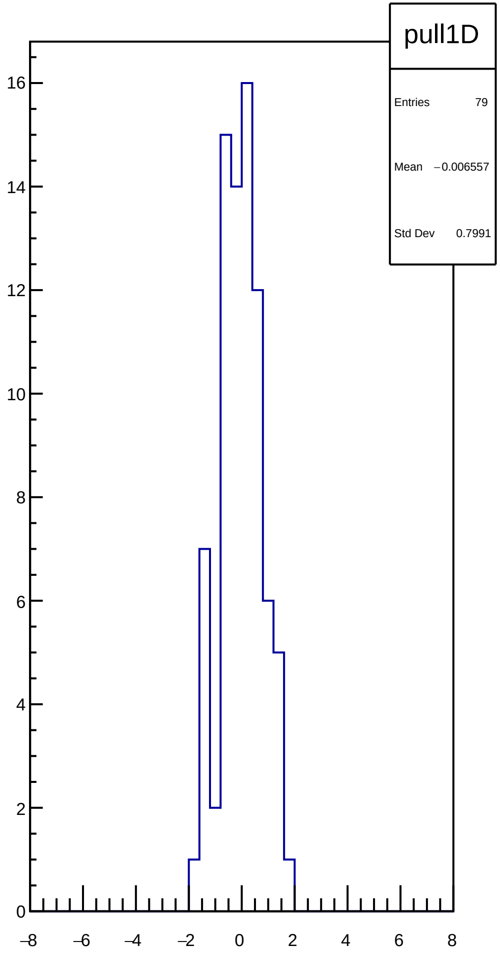
reg_asym_us_dd_diff_bpm1X_slope vs run
χ2 / ndf 52.07 / 78
p0 −0.4748 ± 1.125
pull
Entries 79
Mean 307.8
Std Dev 274.6
pull1D
Entries 79
Mean 0.007721
Std Dev 0.8118

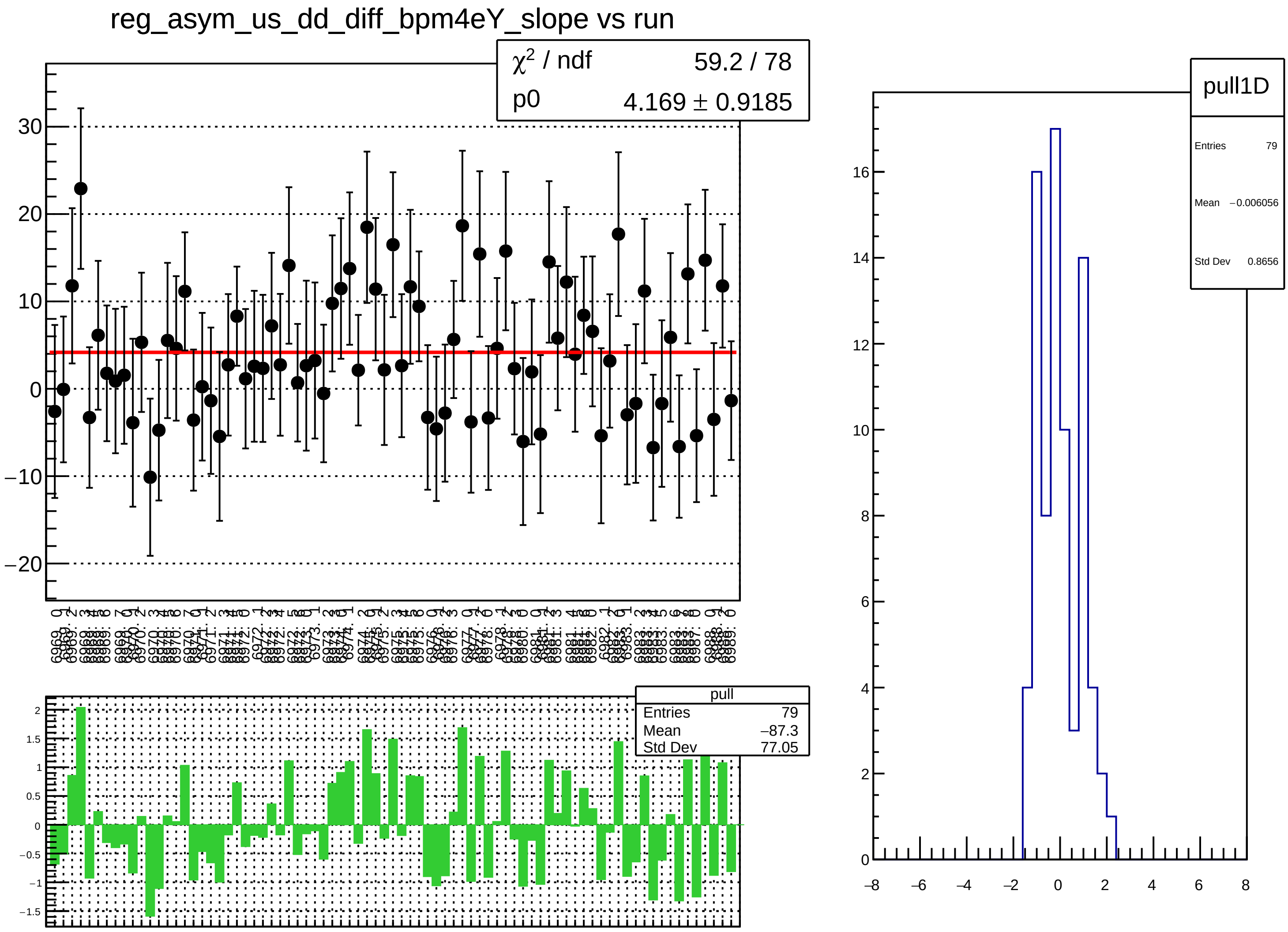


reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 58.86 / 78
p0 −1.919 ± 0.8018
pull
Entries 79
Mean −300.2
Std Dev 300.9
pull1D
Entries 79
Mean 0.002226
Std Dev 0.8632

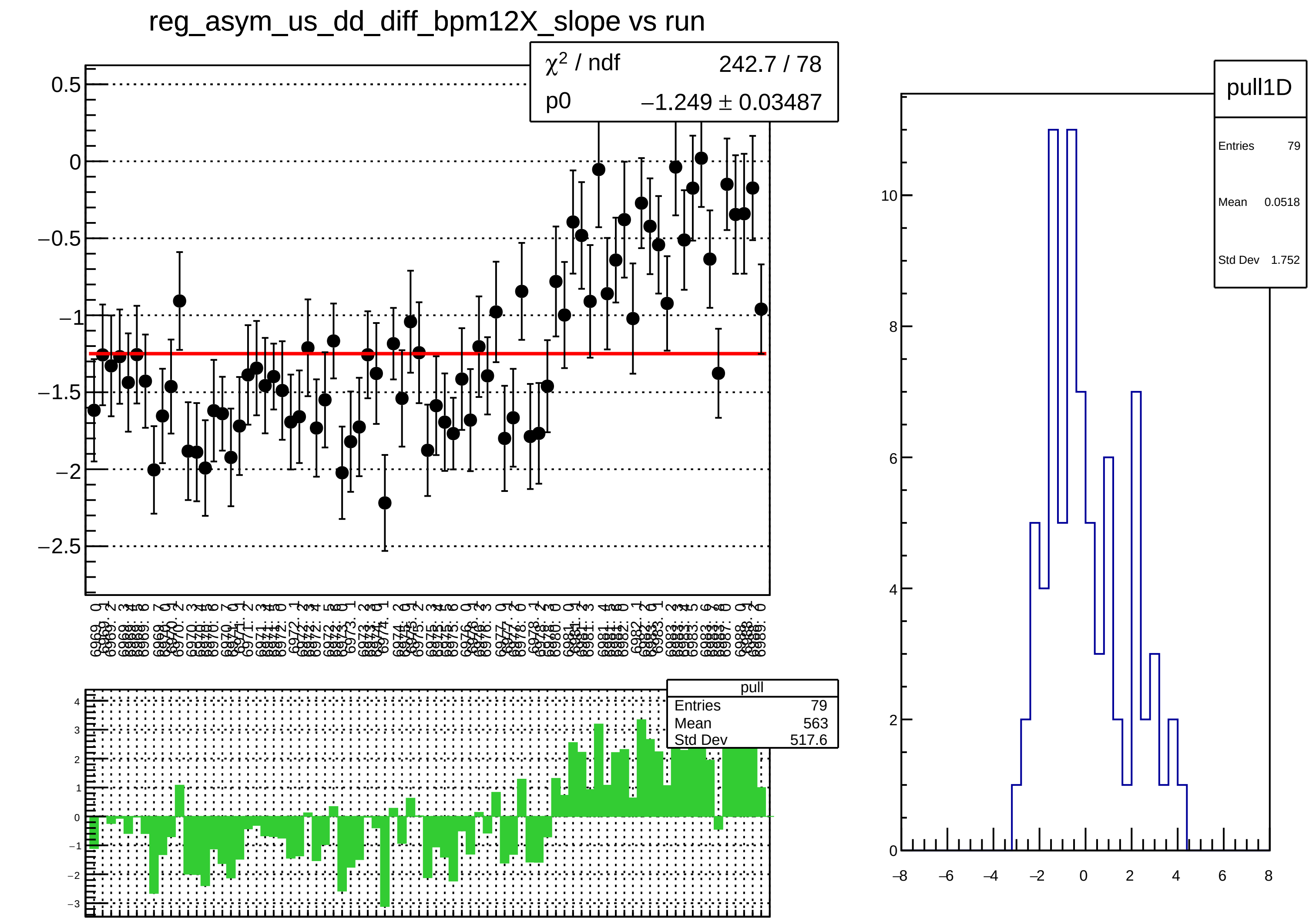
reg_asym_us_dd_diff_bpm4eX_slope vs run



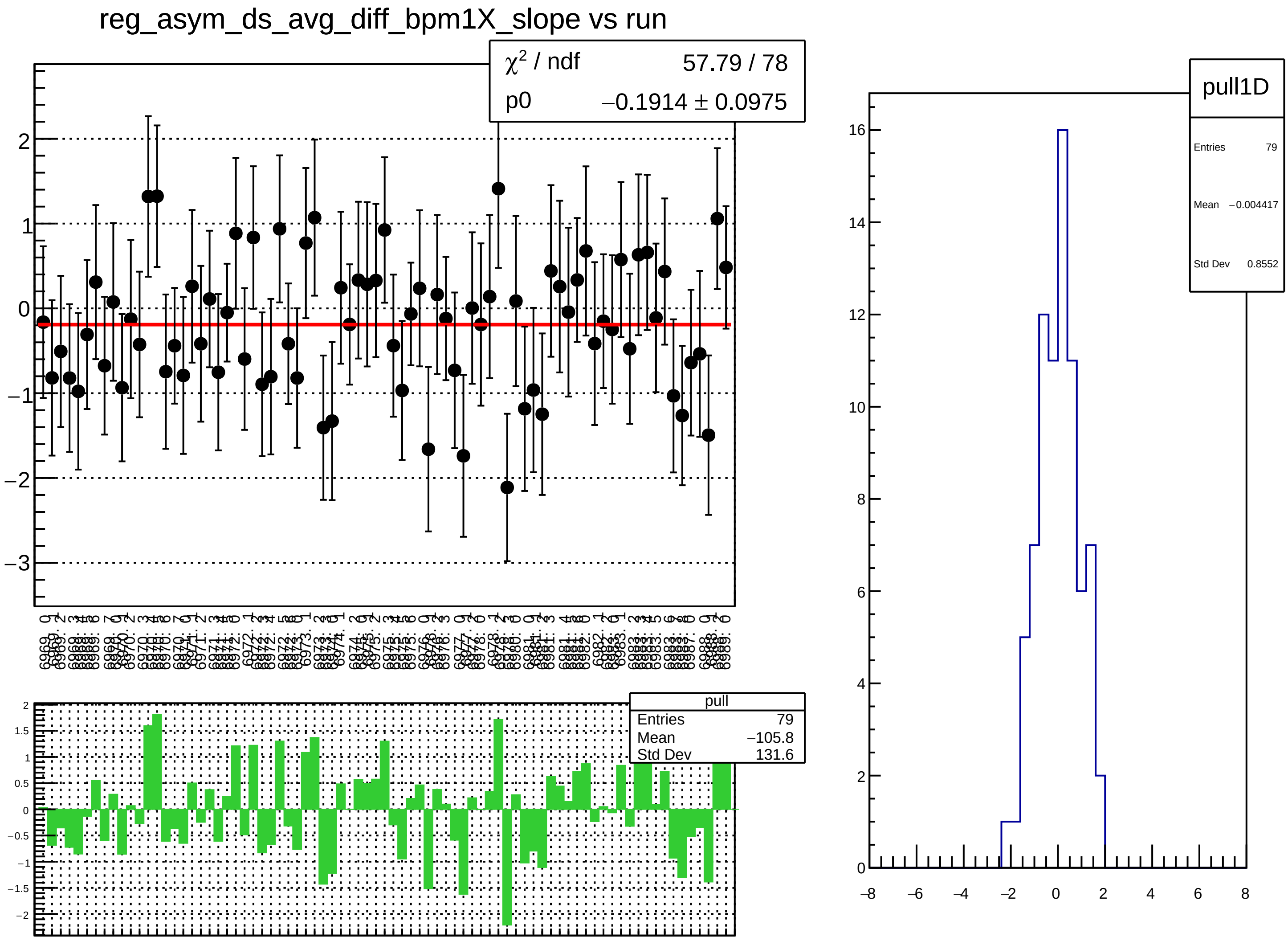




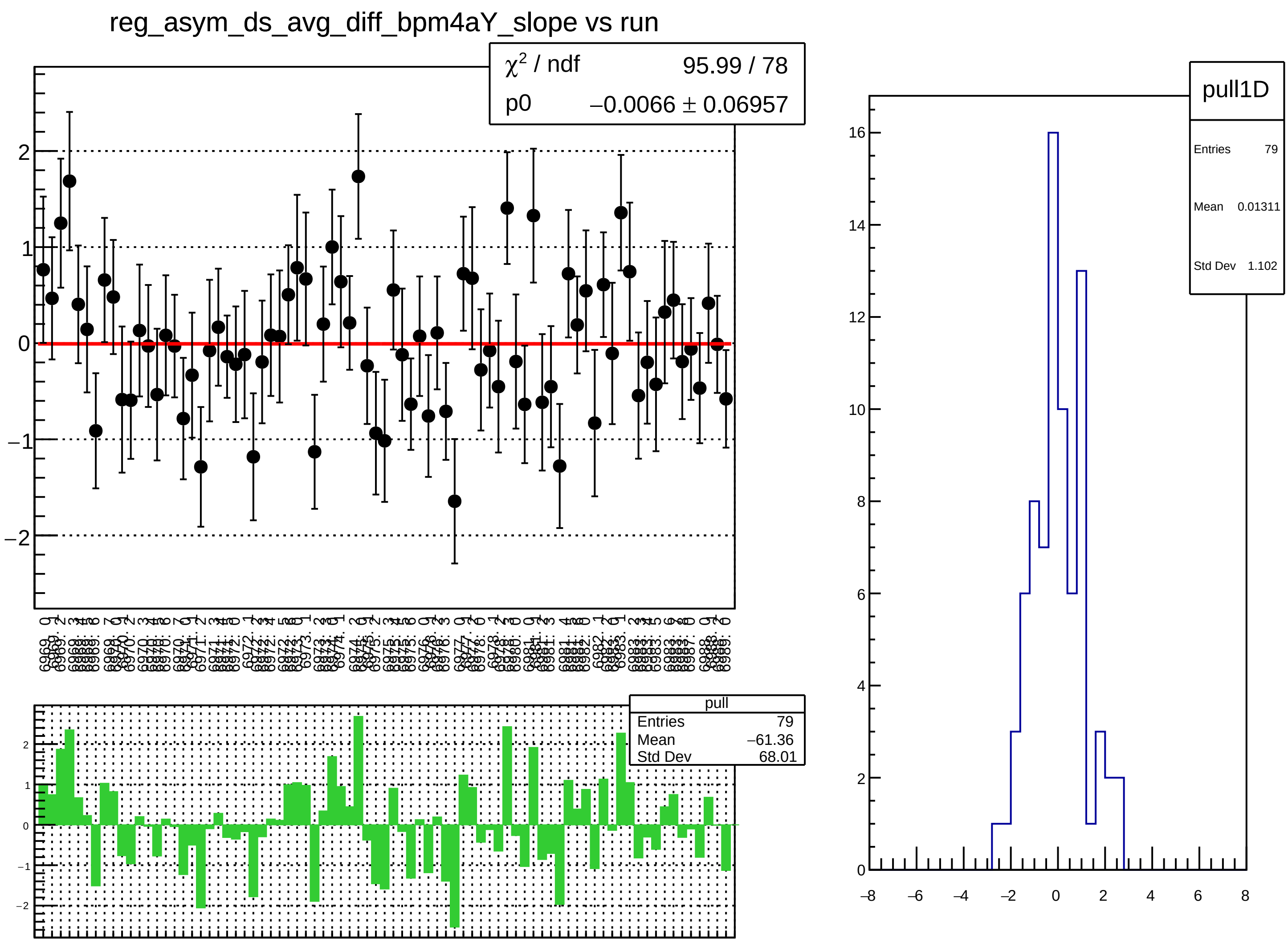
reg_asym_us_dd_diff_bpm4eY_slope vs run
χ2 / ndf 59.2 / 78
p0 4.169 ± 0.9185
pull
Entries 79
Mean −87.3
Std Dev 77.05
pull1D
Entries 79
Mean −0.006056
Std Dev 0.8656



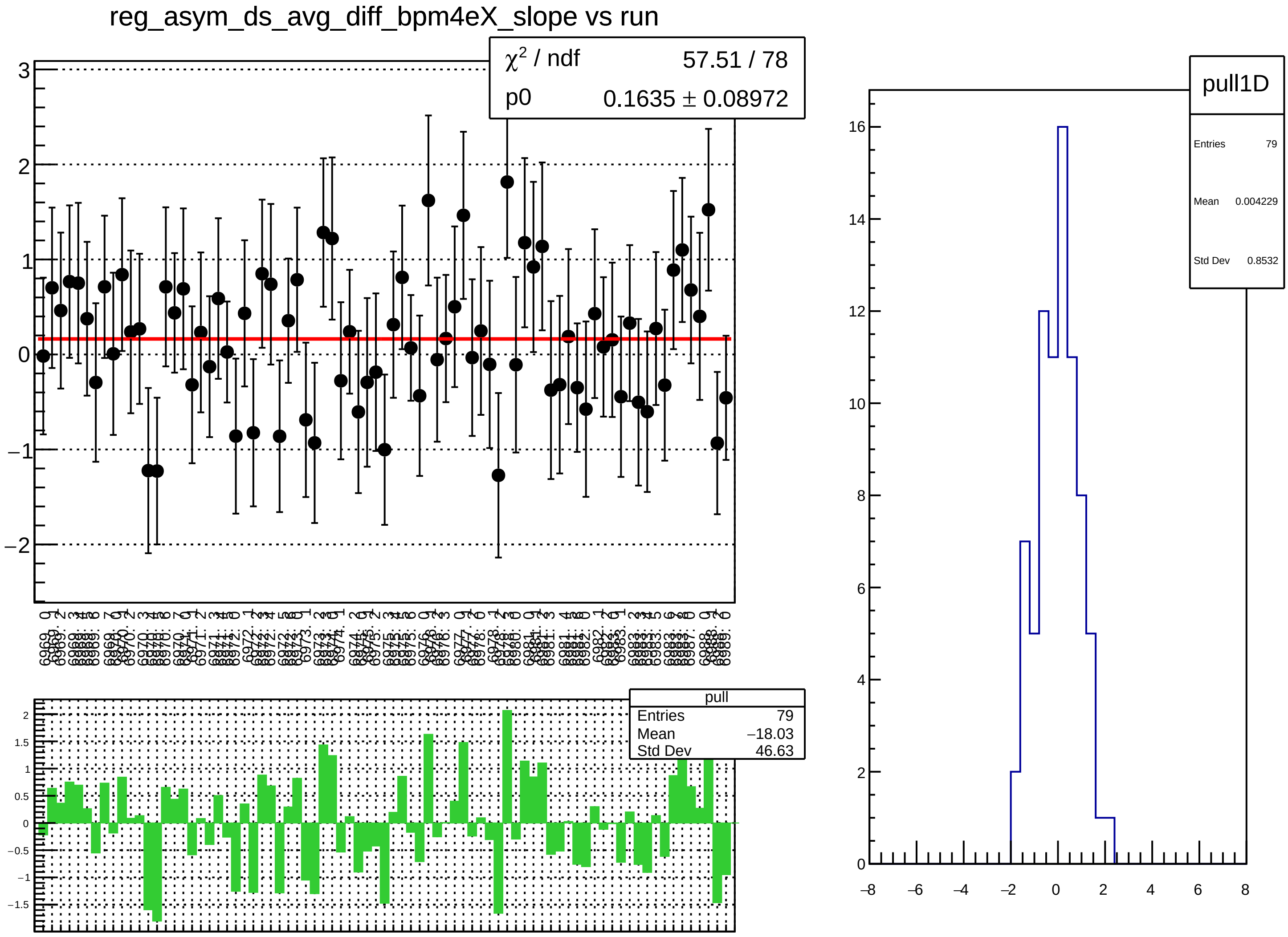
reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 242.7 / 78
p0 −1.249 ± 0.03487
pull
Entries 79
Mean 563
Std Dev 517.6
pull1D
Entries 79
Mean 0.0518
Std Dev 1.752

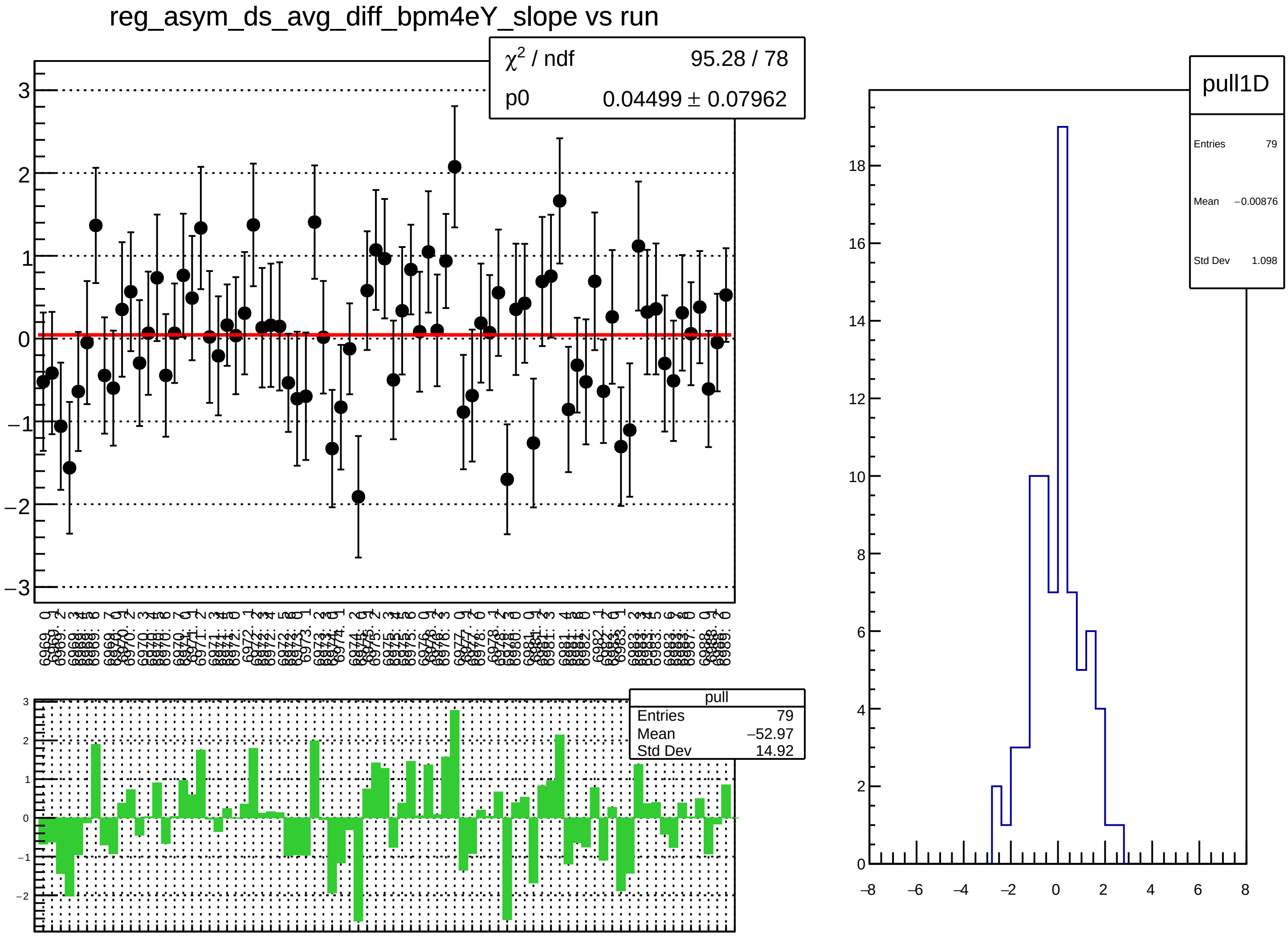


reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 57.79 / 78
p0 −0.1914 ± 0.0975
pull
Entries 79
Mean −105.8
Std Dev 131.6
pull1D
Entries 79
Mean −0.004417
Std Dev 0.8552

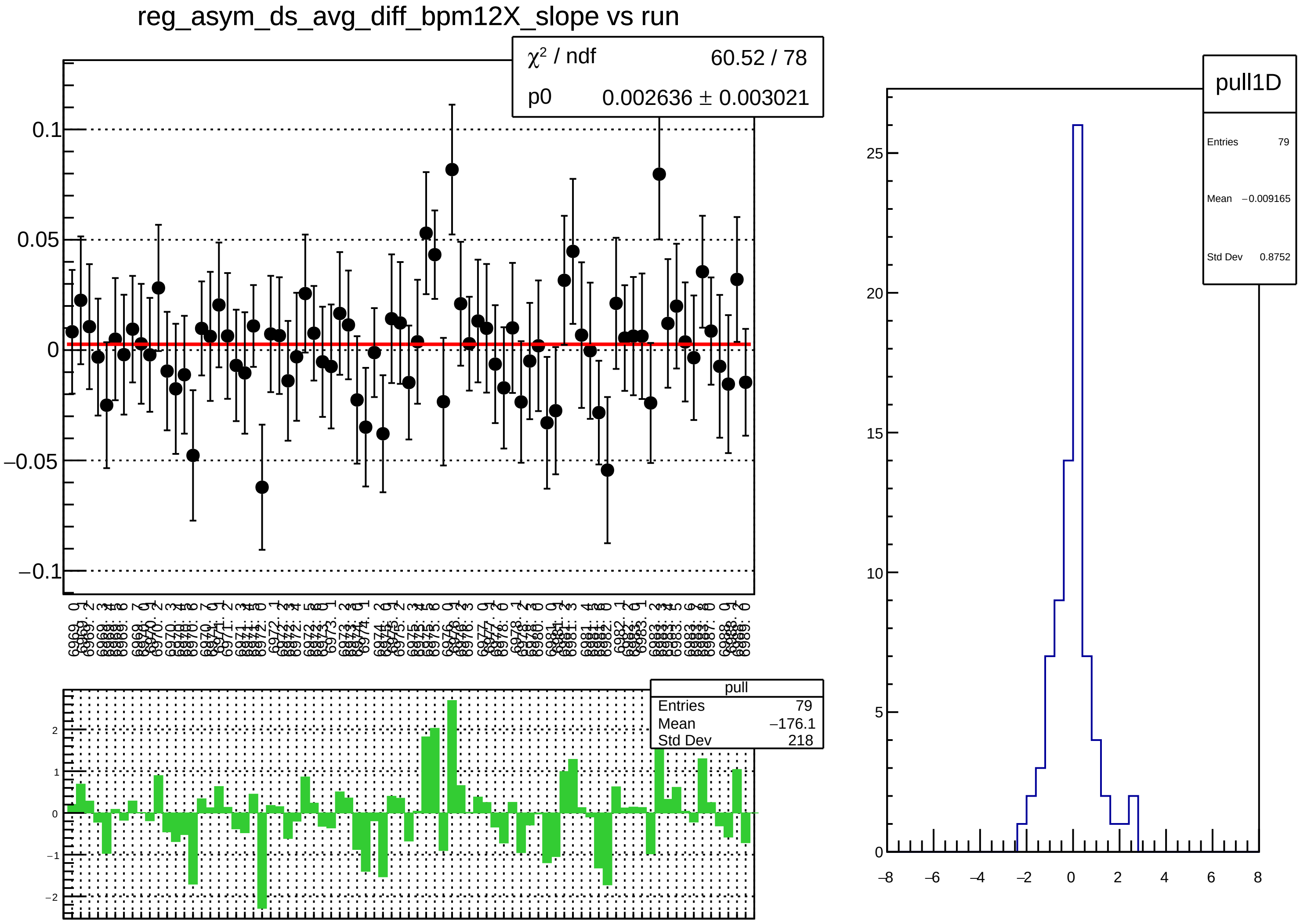


reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 95.99 / 78
p0 −0.0066 ± 0.06957
pull
Entries 79
Mean −61.36
Std Dev 68.01
pull1D
Entries 79
Mean 0.01311
Std Dev 1.102

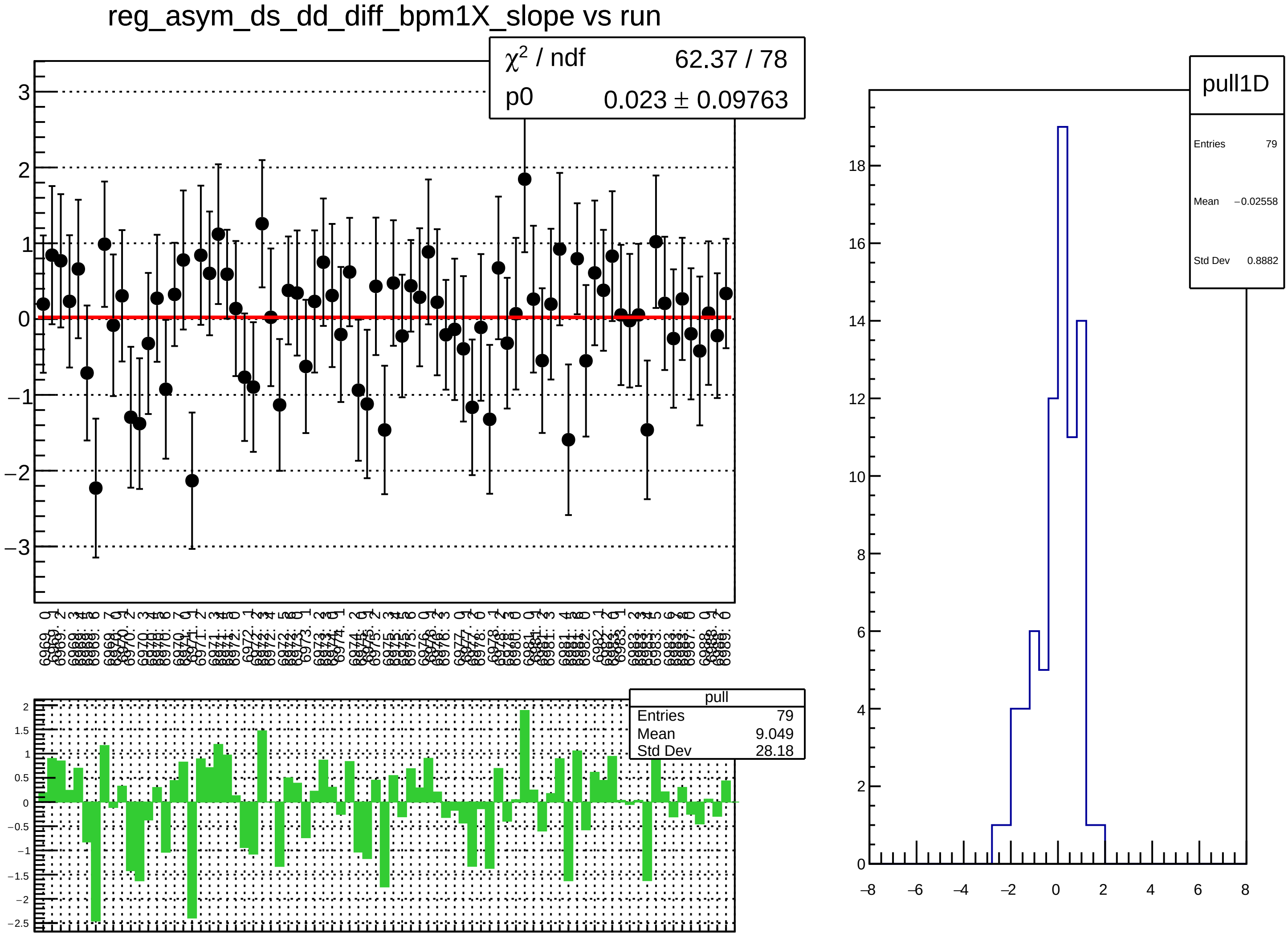

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ2 / ndf 57.51 / 78
p0 0.1635 ± 0.08972
pull
Entries 79
Mean −18.03
Std Dev 46.63
pull1D
Entries 79
Mean 0.004229
Std Dev 0.8532



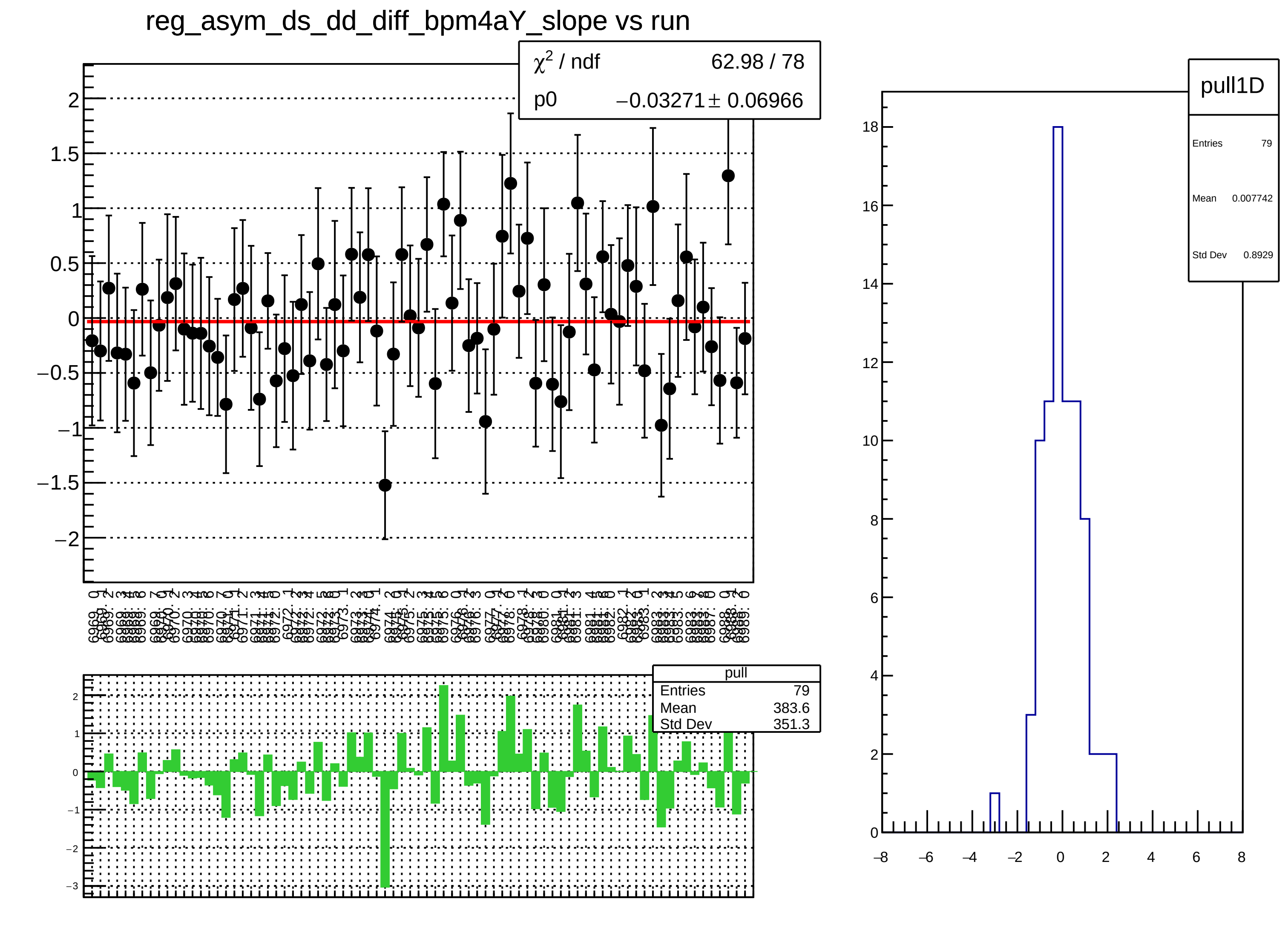
reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 95.28 / 78
p0 0.04499 ± 0.07962
pull
Entries 79
Mean −52.97
Std Dev 14.92
pull1D
Entries 79
Mean −0.00876
Std Dev 1.098

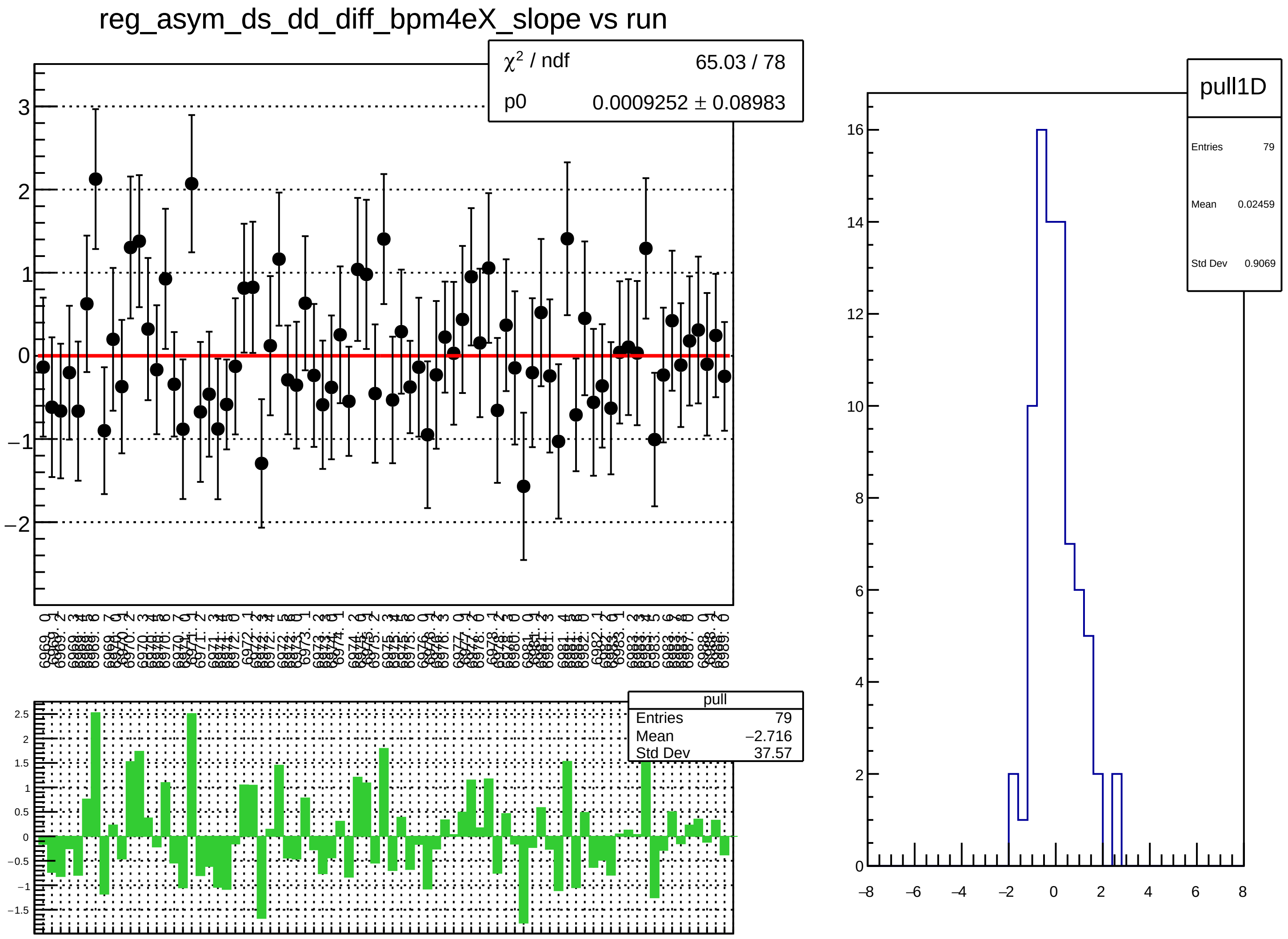


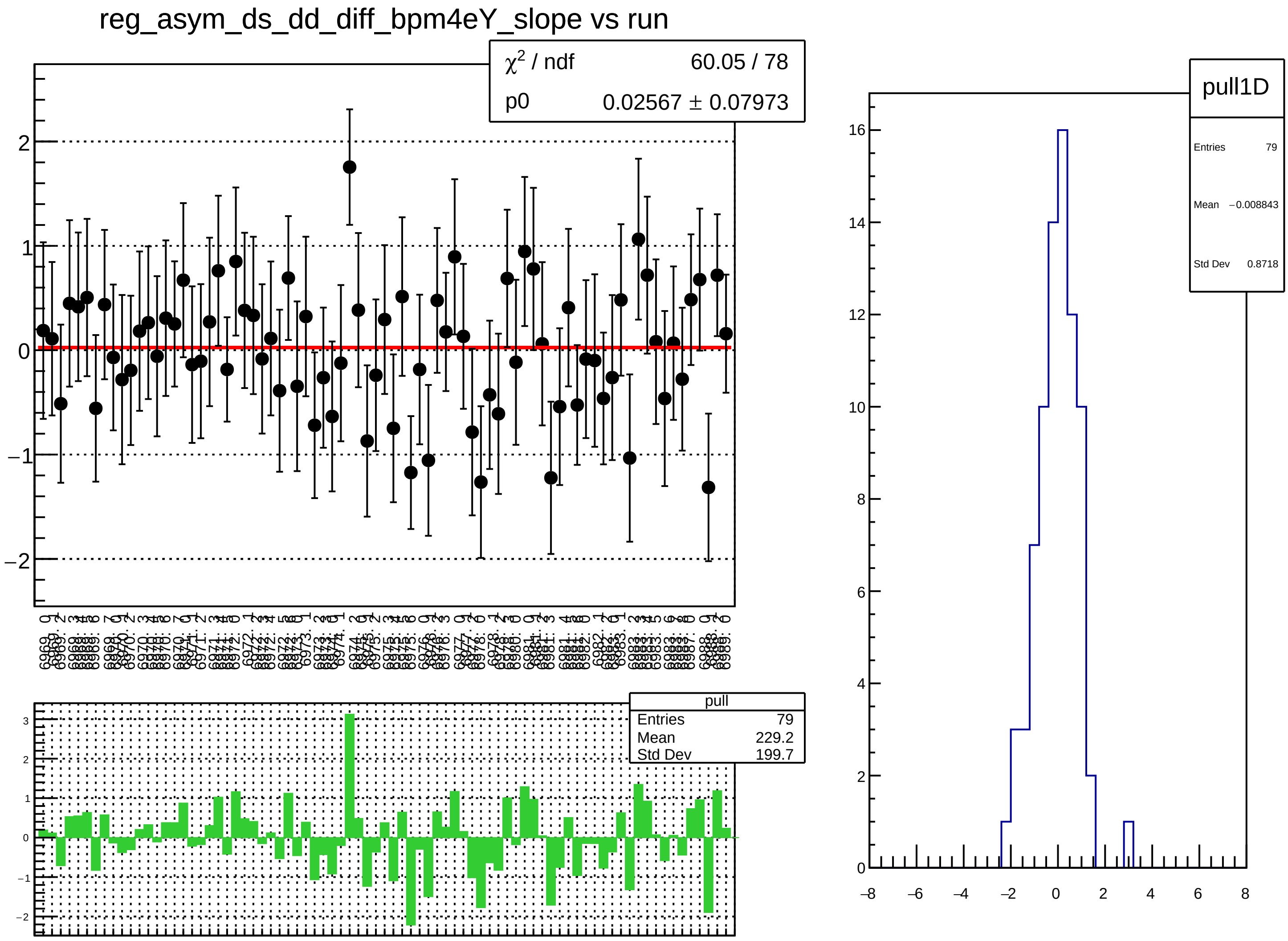
reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 60.52 / 78
p0 0.002636 ± 0.003021
pull
Entries 79
Mean −176.1
Std Dev 218
pull1D
Entries 79
Mean −0.009165
Std Dev 0.8752



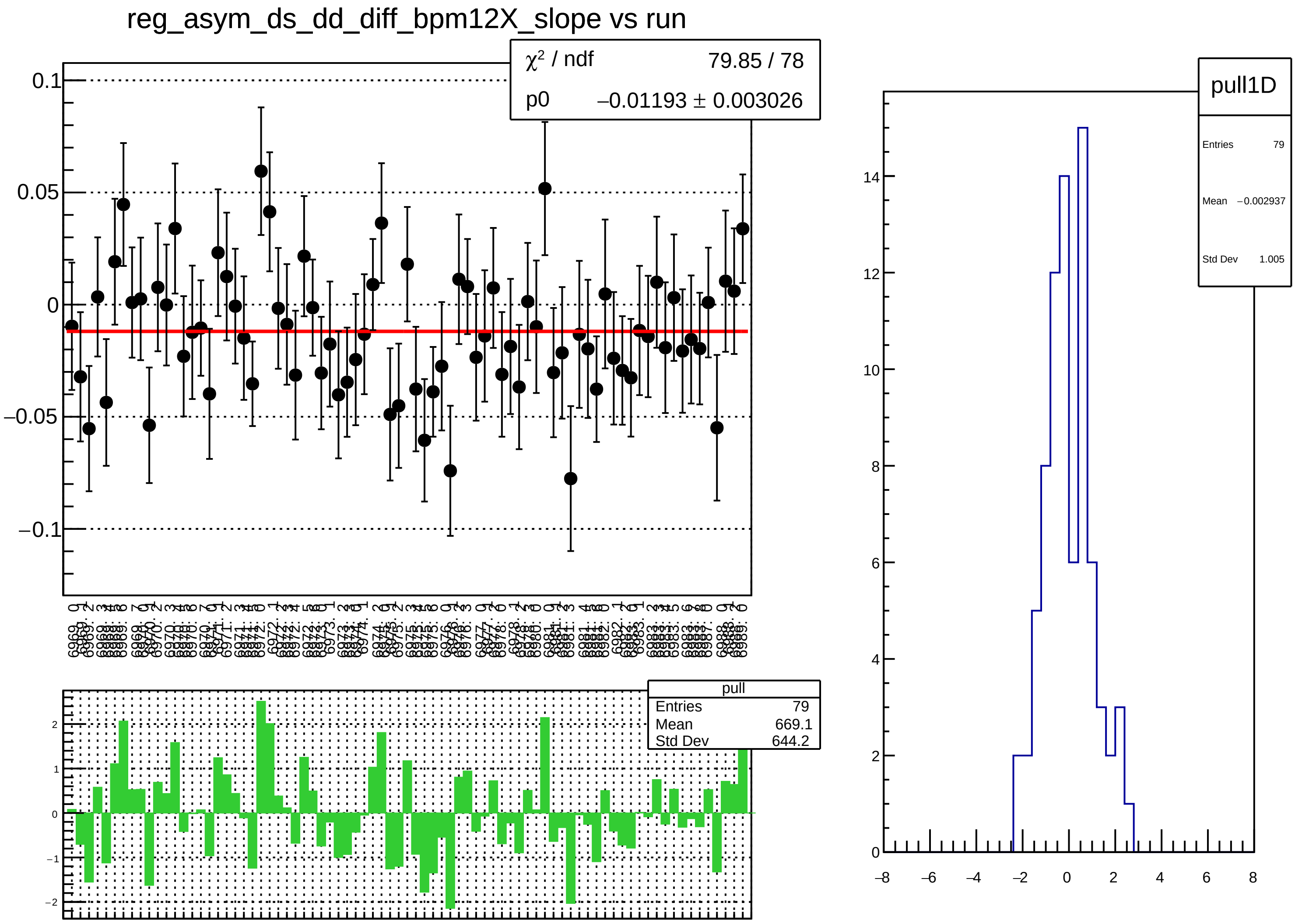
reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 62.37 / 78
p0 0.023 ± 0.09763
pull
Entries 79
Mean 9.049
Std Dev 28.18
pull1D
Entries 79
Mean −0.02558
Std Dev 0.8882


reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 62.98 / 78
p0 −0.03271 ± 0.06966
pull
Entries 79
Mean 383.6
Std Dev 351.3
pull1D
Entries 79
Mean 0.007742
Std Dev 0.8929

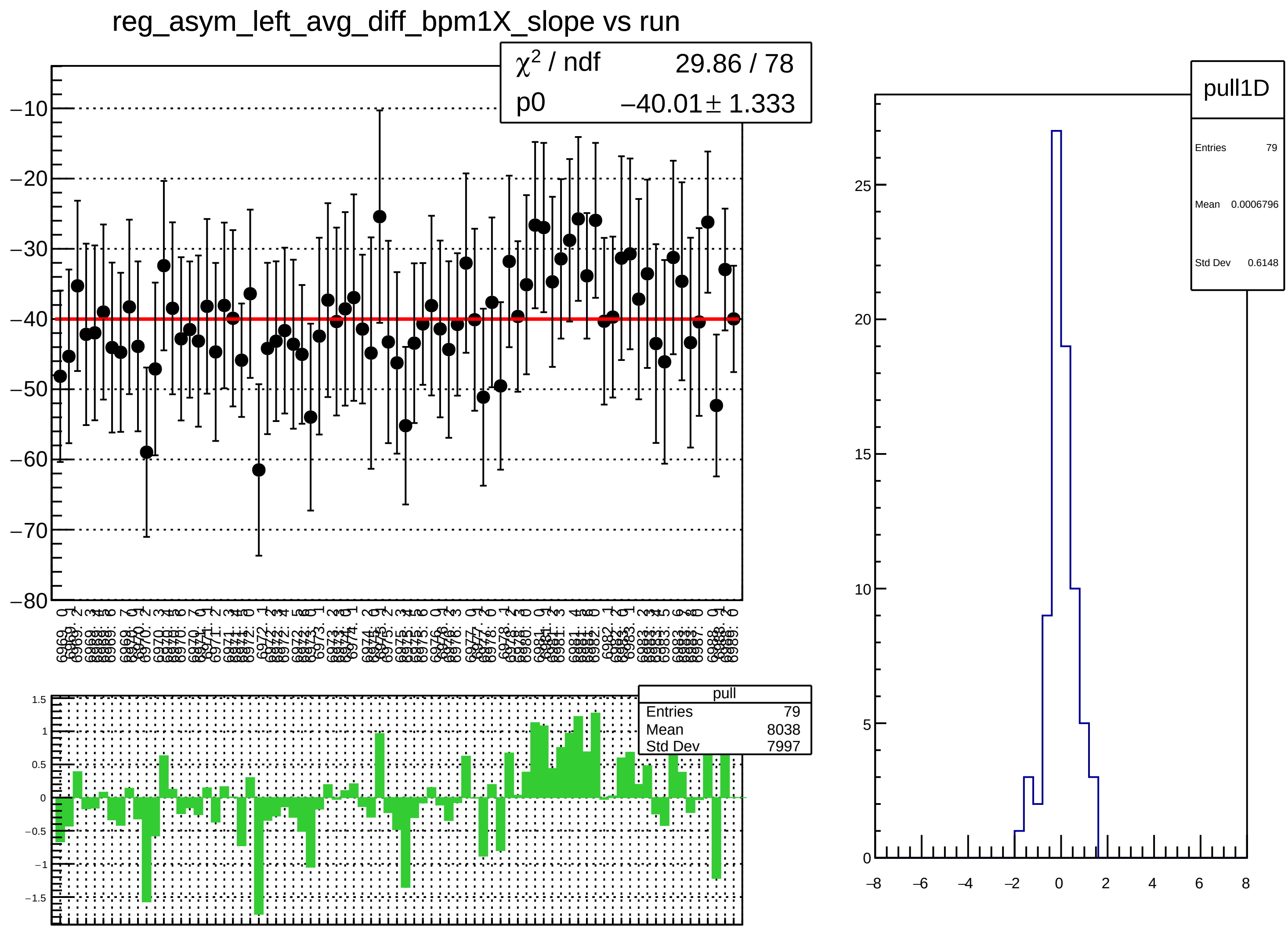

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 65.03 / 78
p0 0.0009252 ± 0.08983
pull
Entries 79
Mean −2.716
Std Dev 37.57
pull1D
Entries 79
Mean 0.02459
Std Dev 0.9069



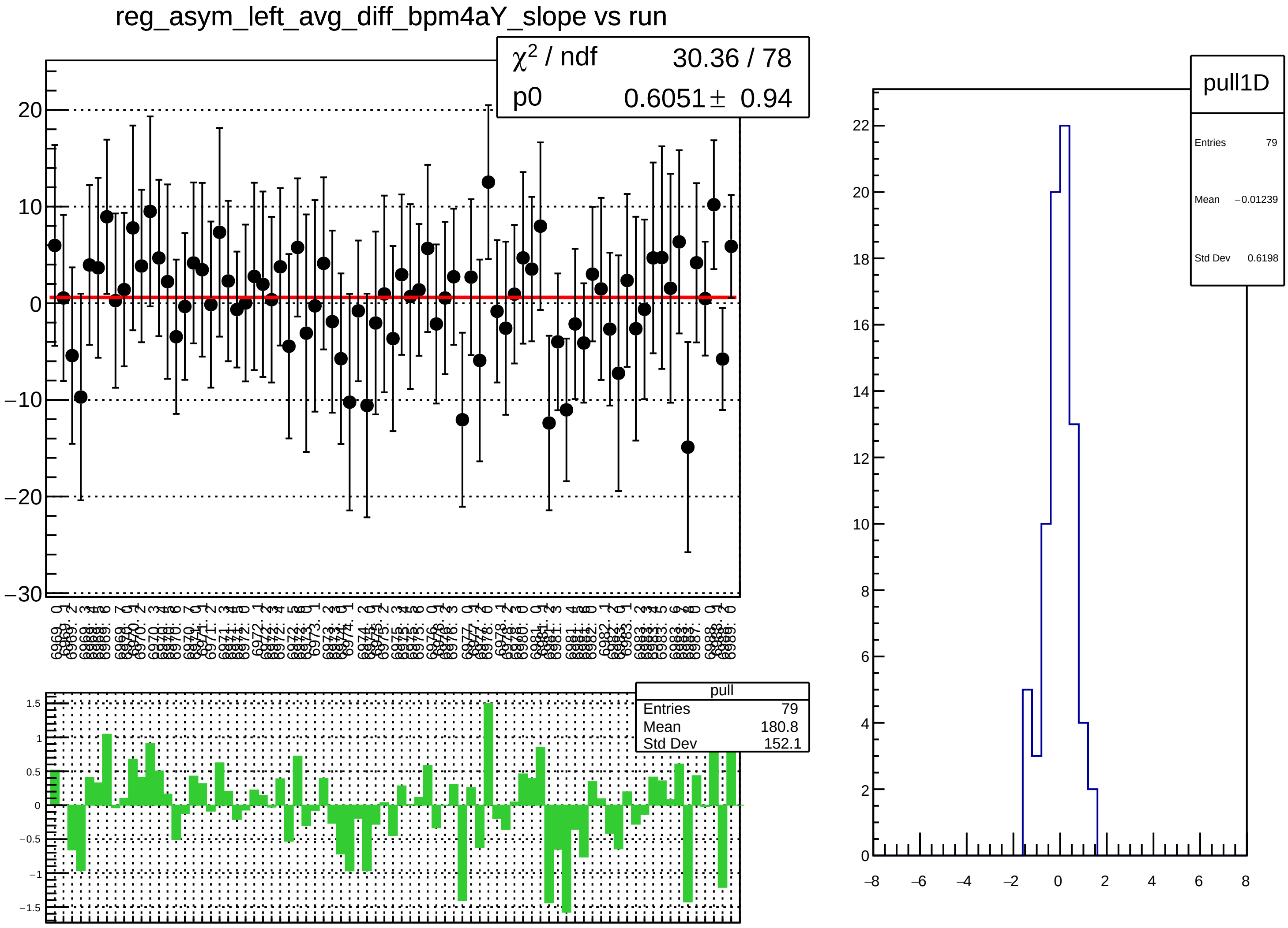
reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 60.05 / 78
p0 0.02567 ± 0.07973
pull
Entries 79
Mean 229.2
Std Dev 199.7
pull1D
Entries 79
Mean −0.008843
Std Dev 0.8718



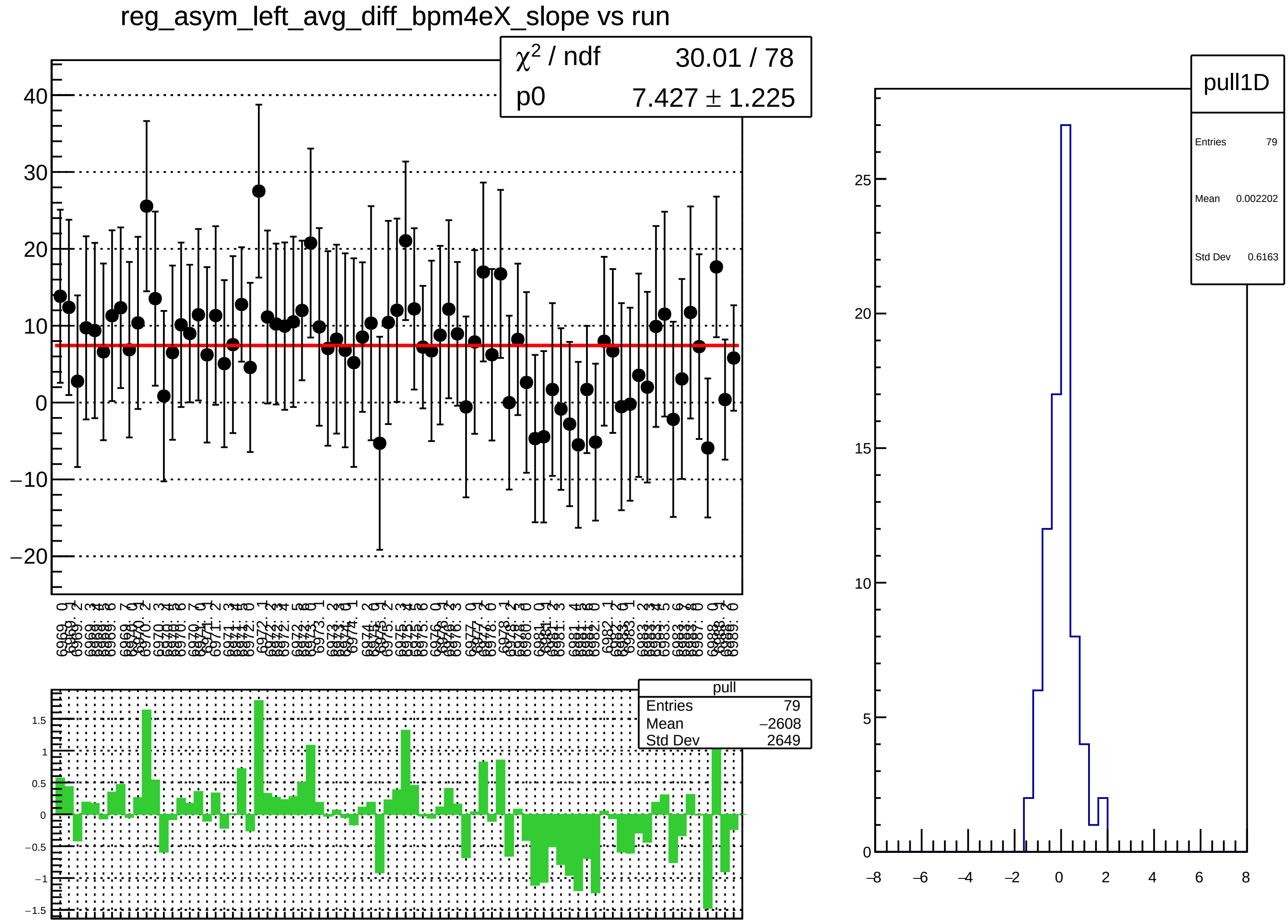
reg_asym_ds_dd_diff_bpm12X_slope vs run
χ2 / ndf 79.85 / 78
p0 −0.01193 ± 0.003026
pull
Entries 79
Mean 669.1
Std Dev 644.2
pull1D
Entries 79
Mean −0.002937
Std Dev 1.005



reg_asym_left_avg_diff_bpm1X_slope vs run
χ2 / ndf 29.86 / 78
p0 −40.01 ± 1.333
pull
Entries 79
Mean 8038
Std Dev 7997
pull1D
Entries 79
Mean 0.0006796
Std Dev 0.6148

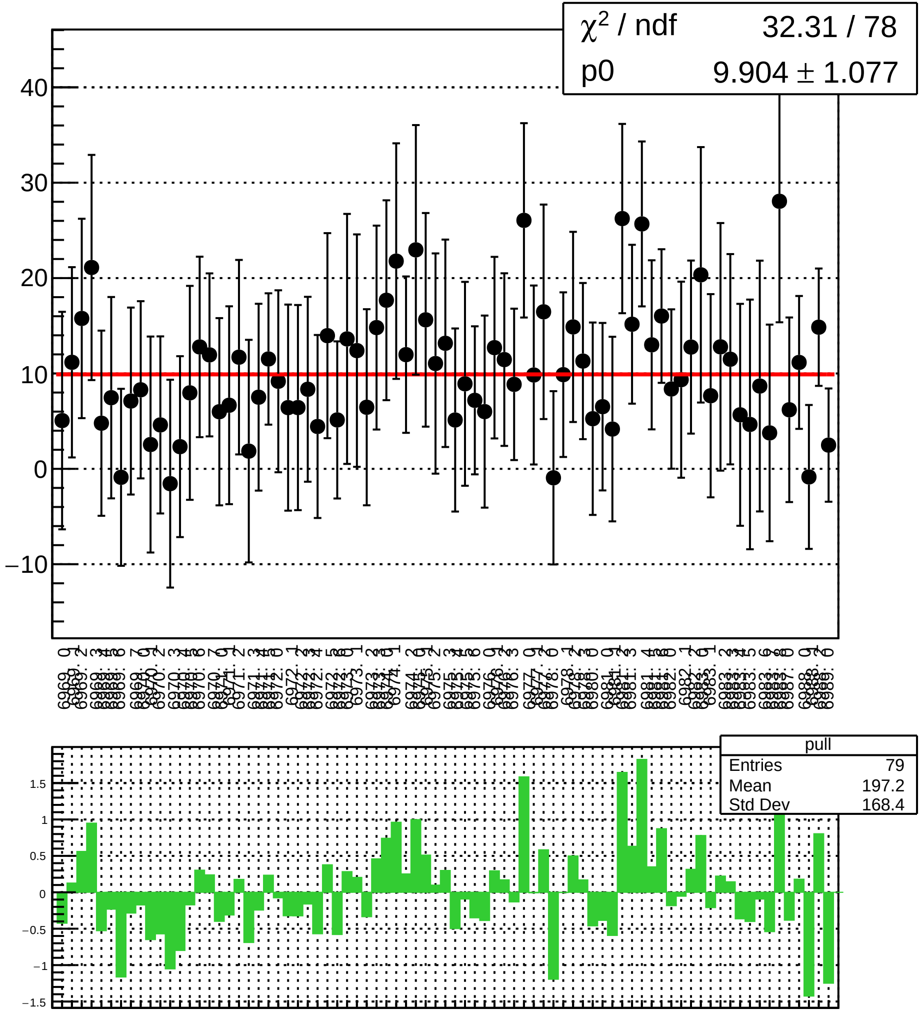


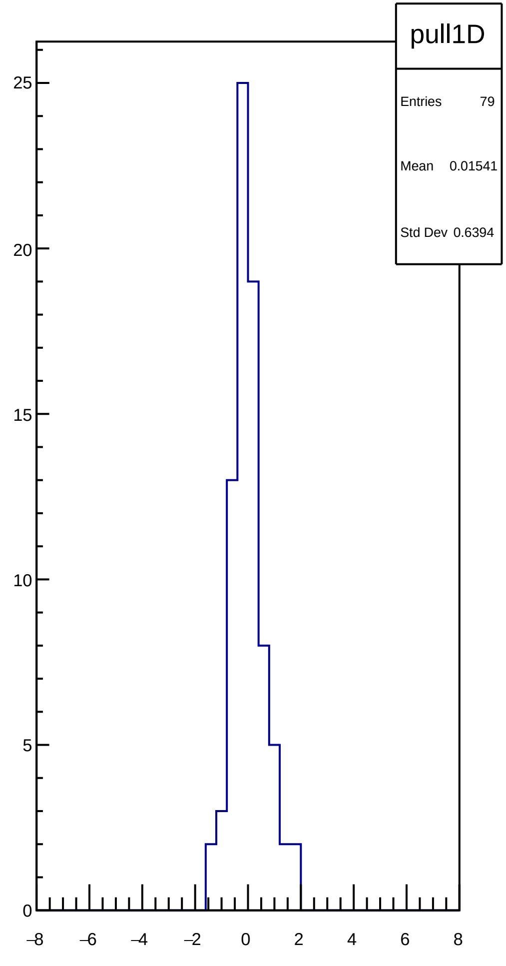
reg_asym_left_avg_diff_bpm4aY_slope vs run
χ2 / ndf 30.36 / 78
p0 0.6051 ± 0.94
pull
Entries 79
Mean 180.8
Std Dev 152.1
pull1D
Entries 79
Mean −0.01239
Std Dev 0.6198

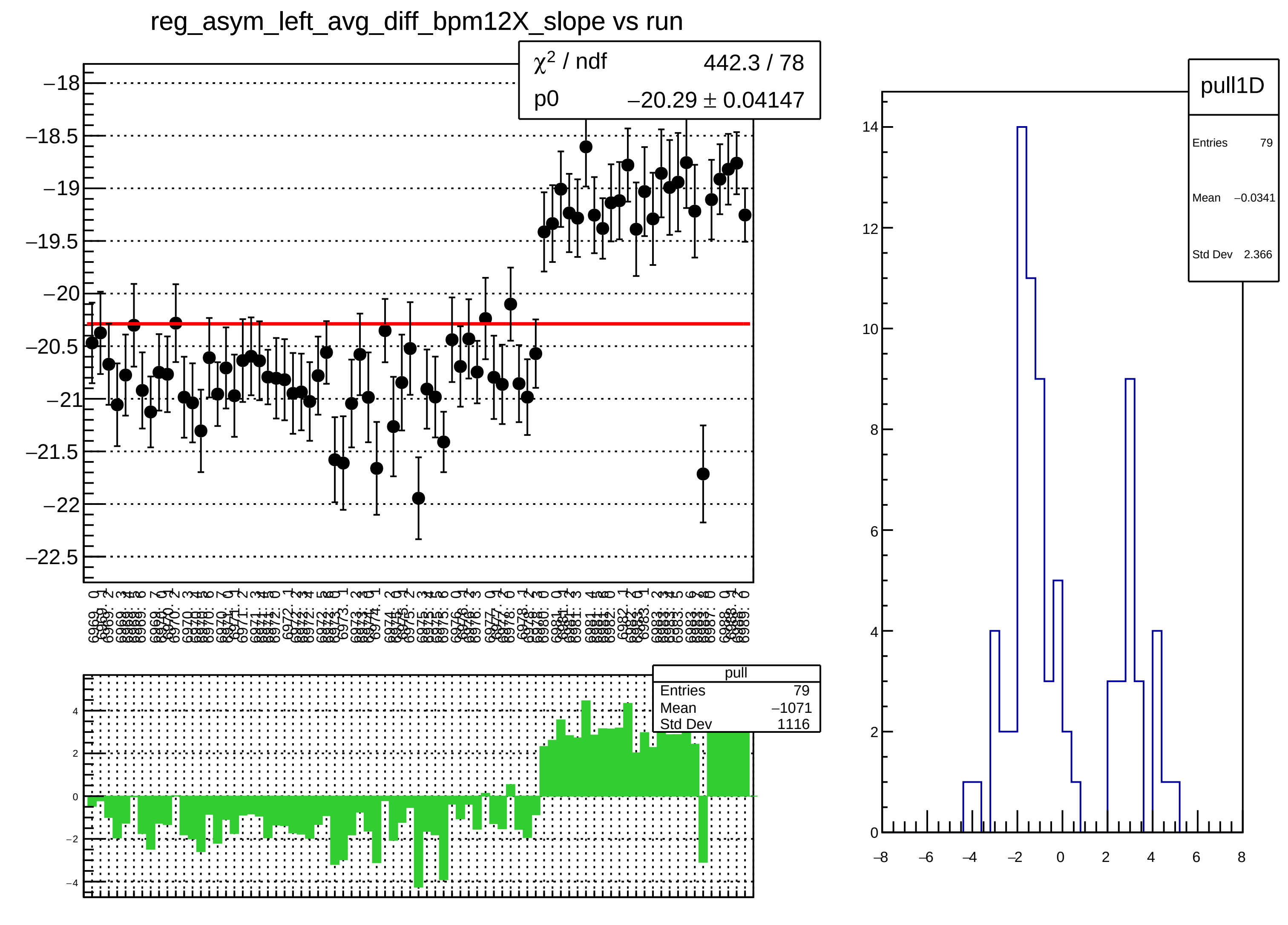


reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 30.01 / 78
p0 7.427 ± 1.225
pull
Entries 79
Mean −2608
Std Dev 2649
pull1D
Entries 79
Mean 0.002202
Std Dev 0.6163

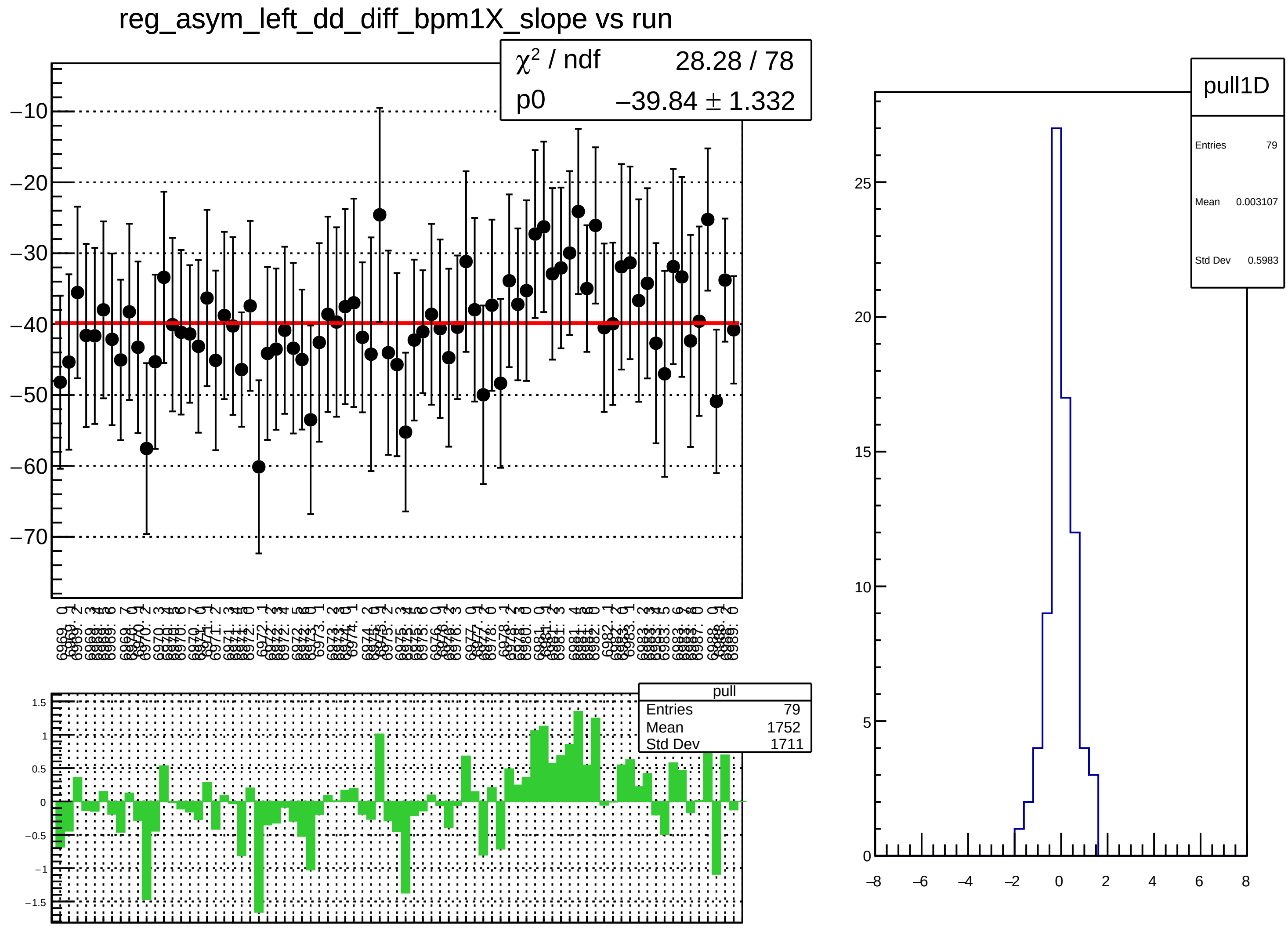
reg_asym_left_avg_diff_bpm4eY_slope vs run

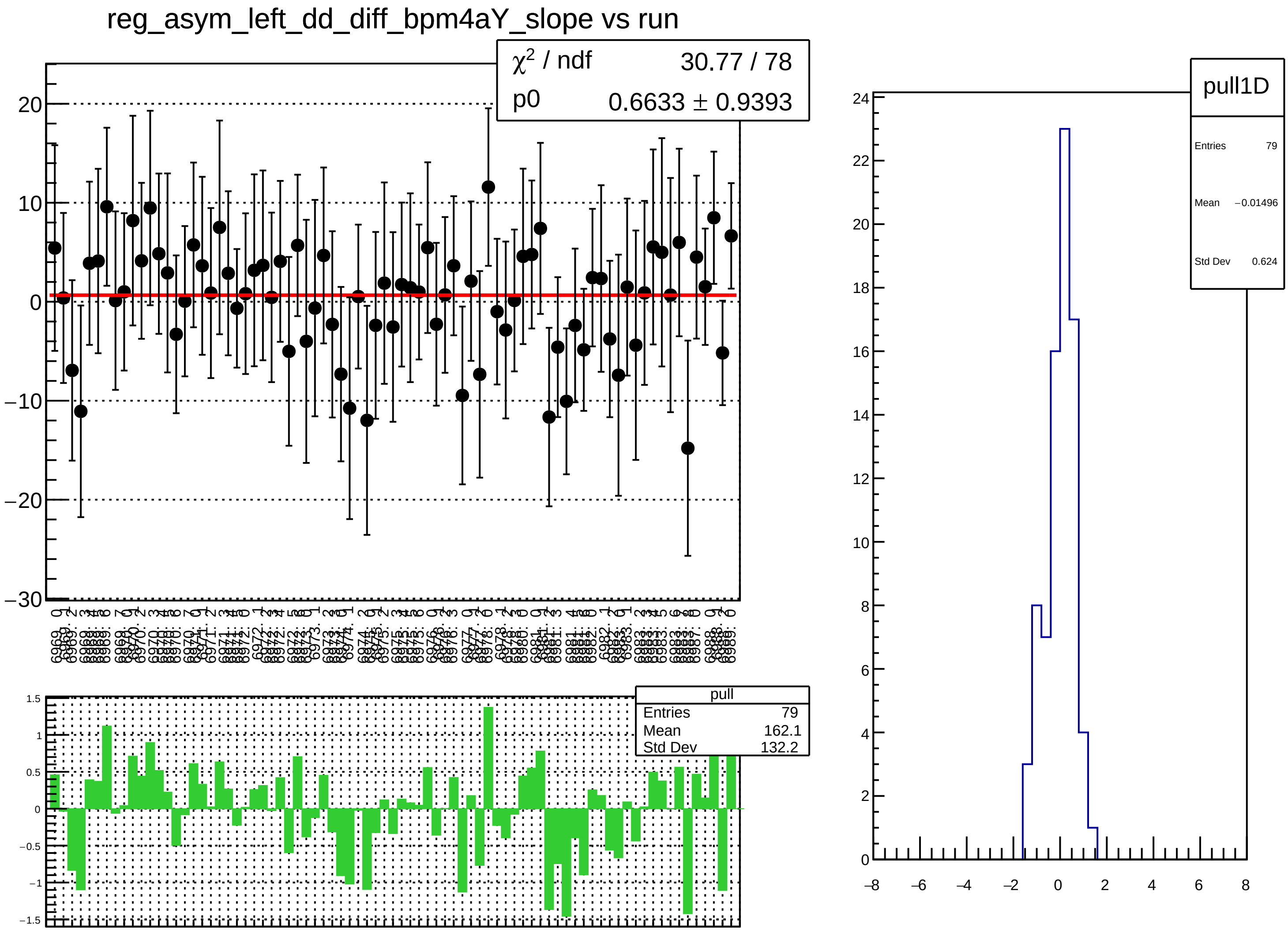


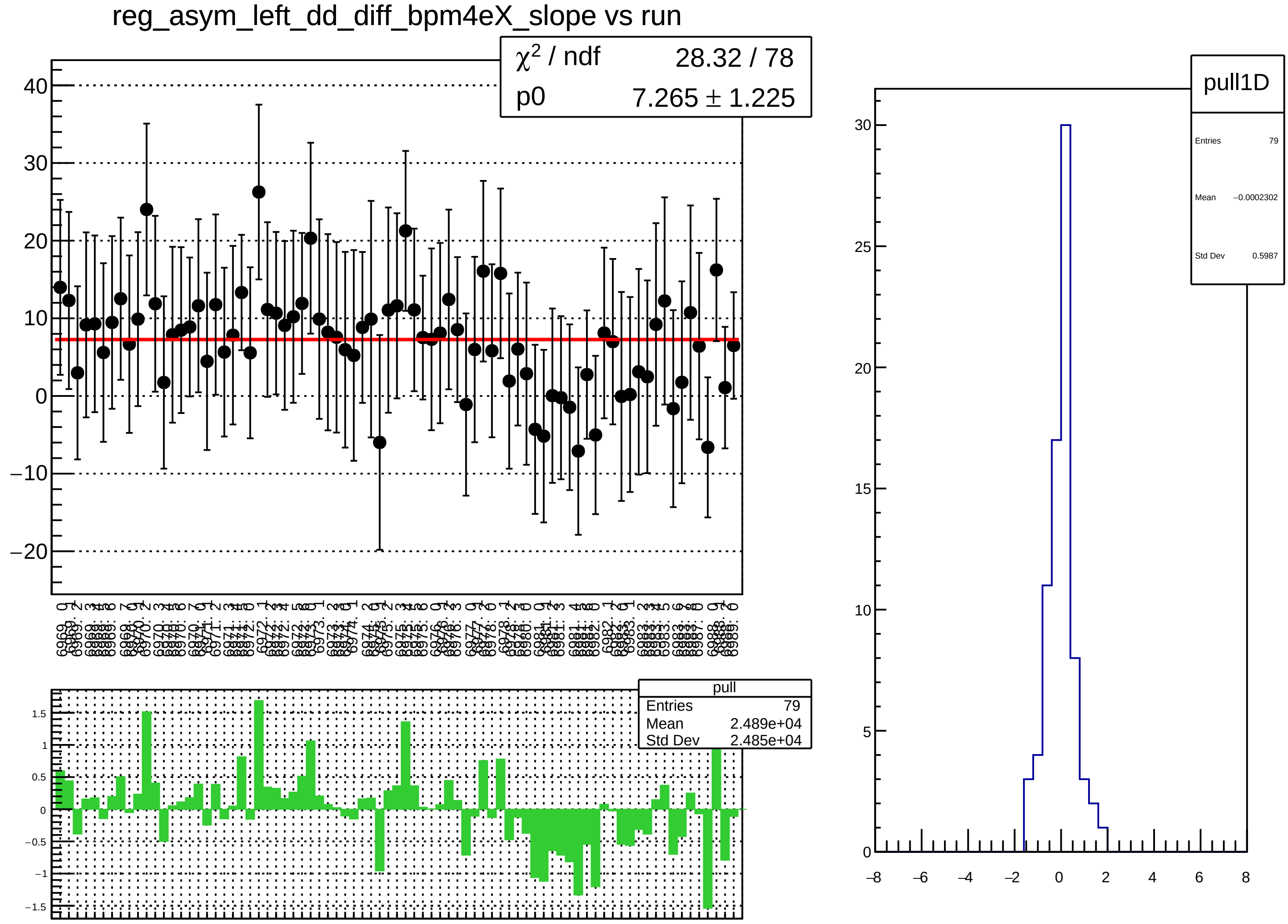




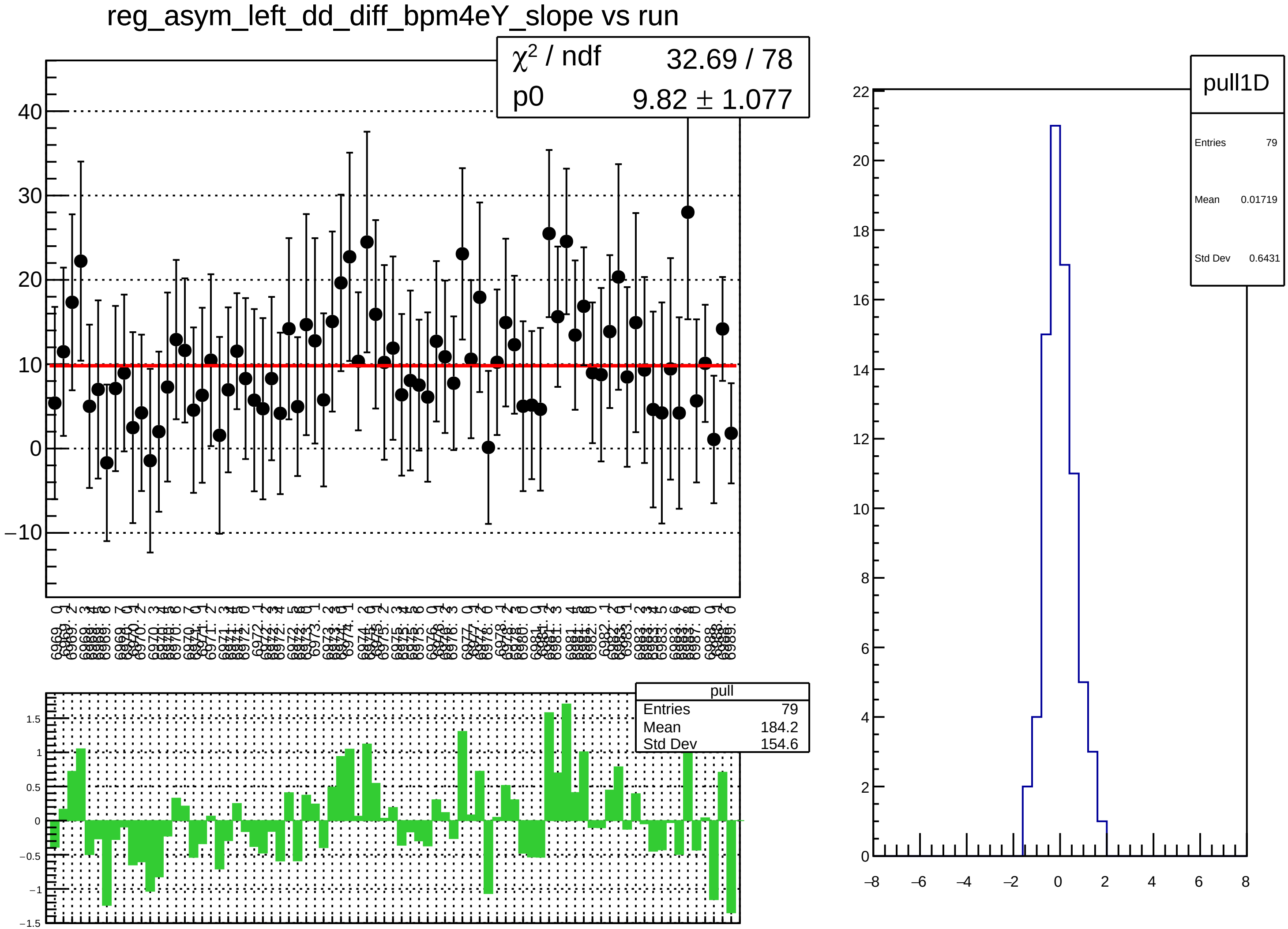
reg_asym_left_avg_diff_bpm12X_slope vs run
χ2 / ndf 442.3 / 78
p0 −20.29 ± 0.04147
pull
Entries 79
Mean −1071
Std Dev 1116
pull1D
Entries 79
Mean −0.0341
Std Dev 2.366

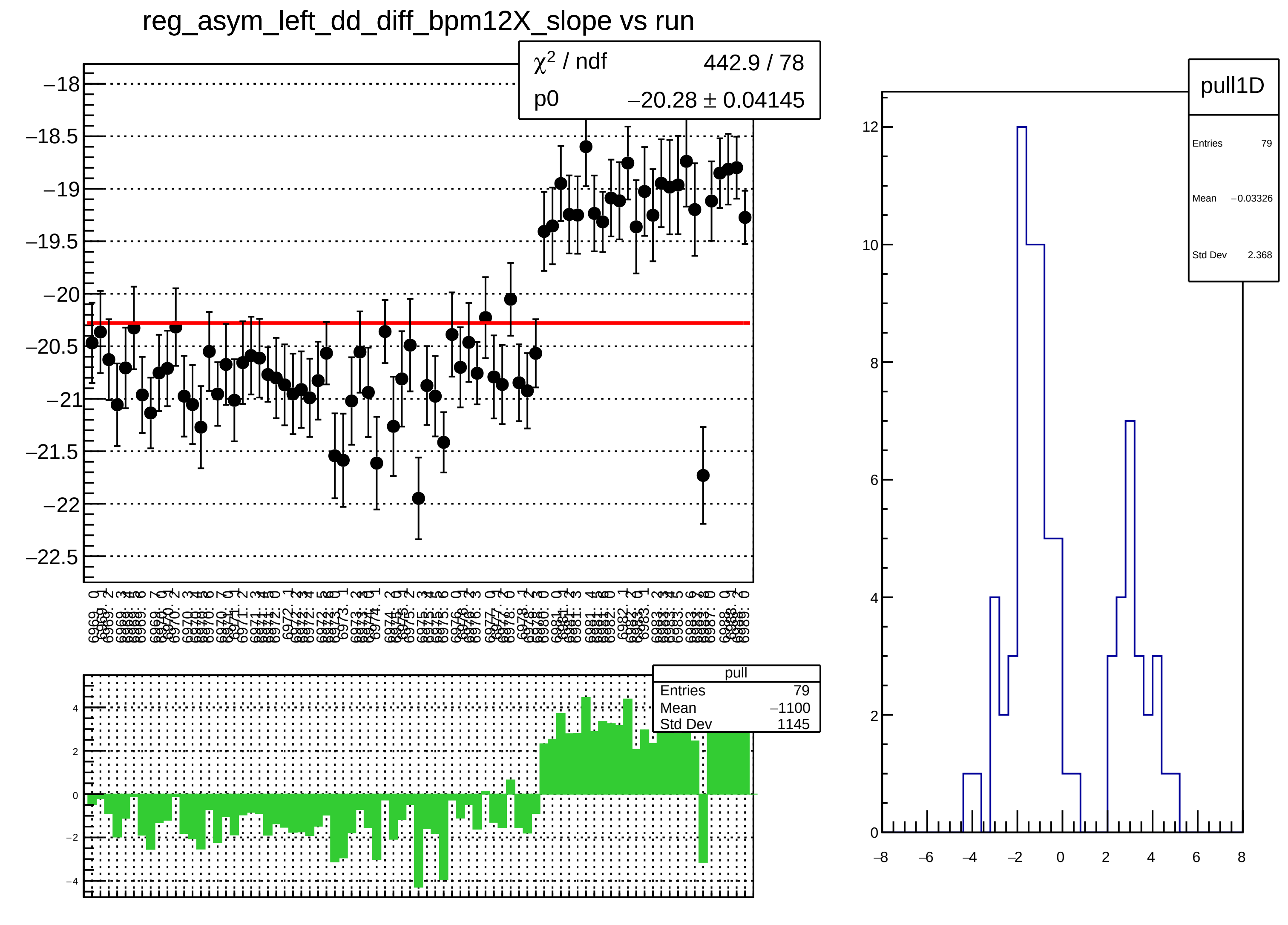

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 28.28 / 78
p0 −39.84 ± 1.332
pull
Entries 79
Mean 1752
Std Dev 1711
pull1D
Entries 79
Mean 0.003107
Std Dev 0.5983


reg_asym_left_dd_diff_bpm4aY_slope vs run
χ2 / ndf 30.77 / 78
p0 0.6633 ± 0.9393
pull
Entries 79
Mean 162.1
Std Dev 132.2
pull1D
Entries 79
Mean −0.01496
Std Dev 0.624

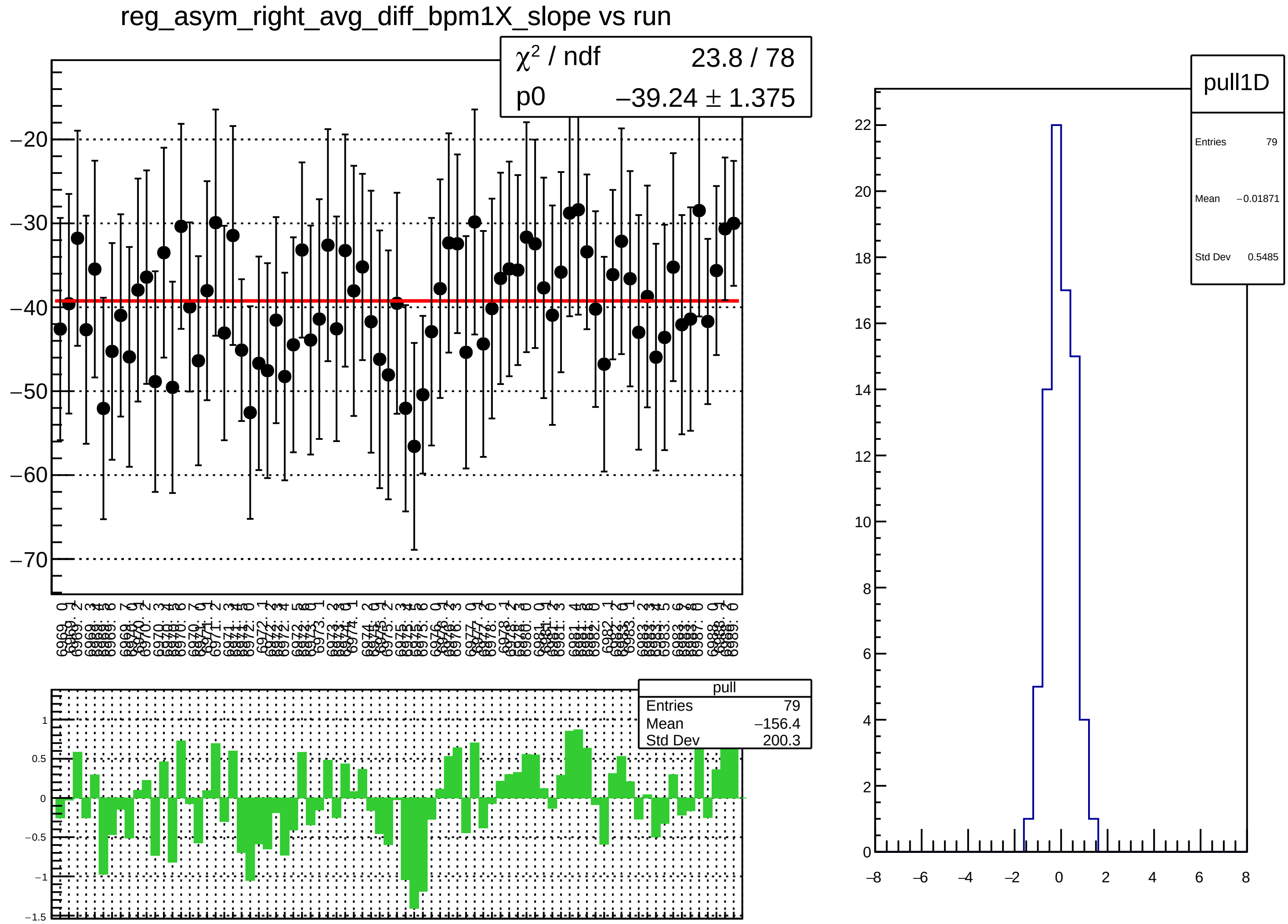


reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 28.32 / 78
p0 7.265 ± 1.225
pull
Entries 79
Mean 2.489e+04
Std Dev 2.485e+04
pull1D
Entries 79
Mean −0.0002302
Std Dev 0.5987

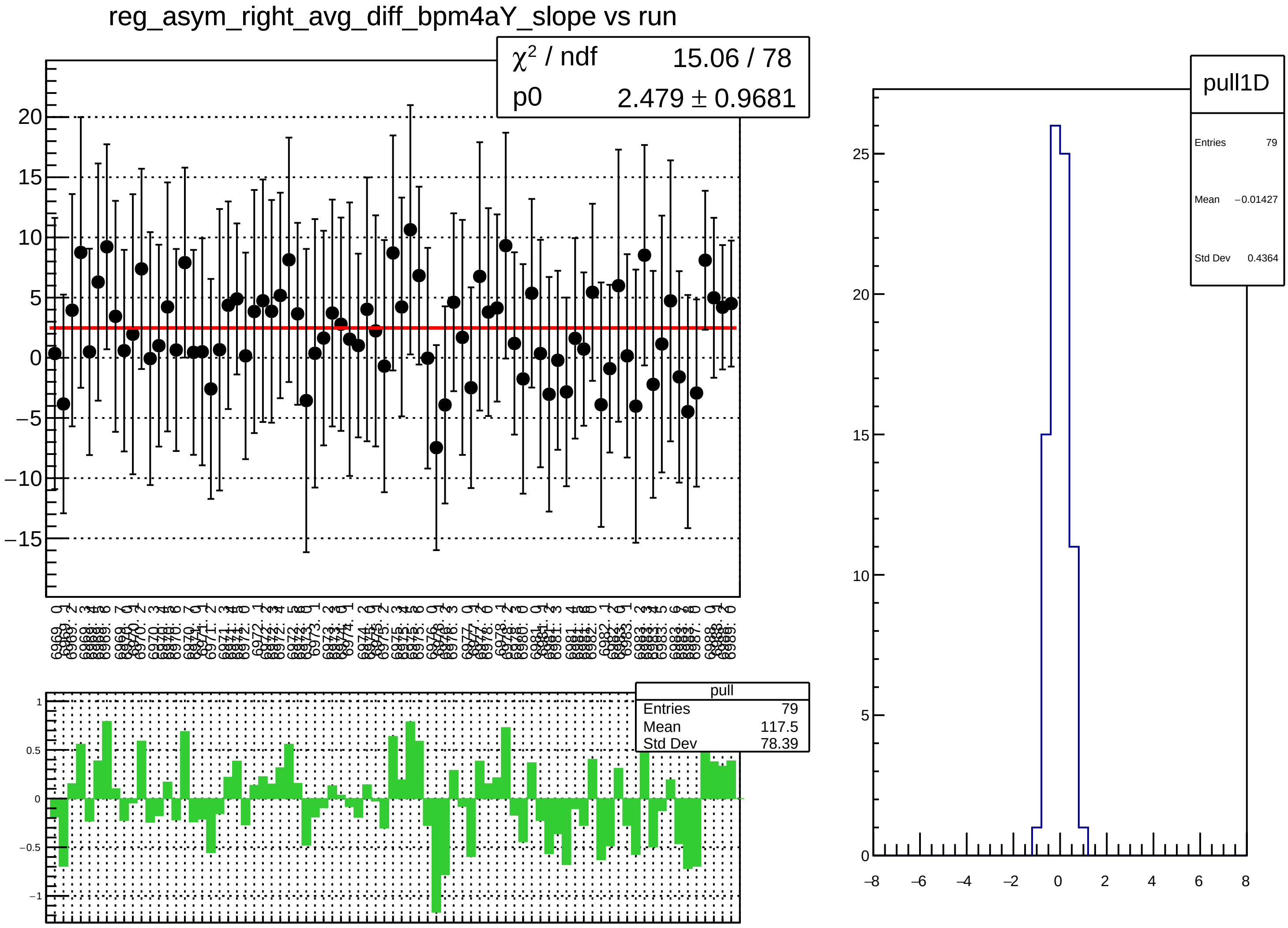

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 32.69 / 78
p0 9.82 ± 1.077
pull
Entries 79
Mean 184.2
Std Dev 154.6
pull1D
Entries 79
Mean 0.01719
Std Dev 0.6431



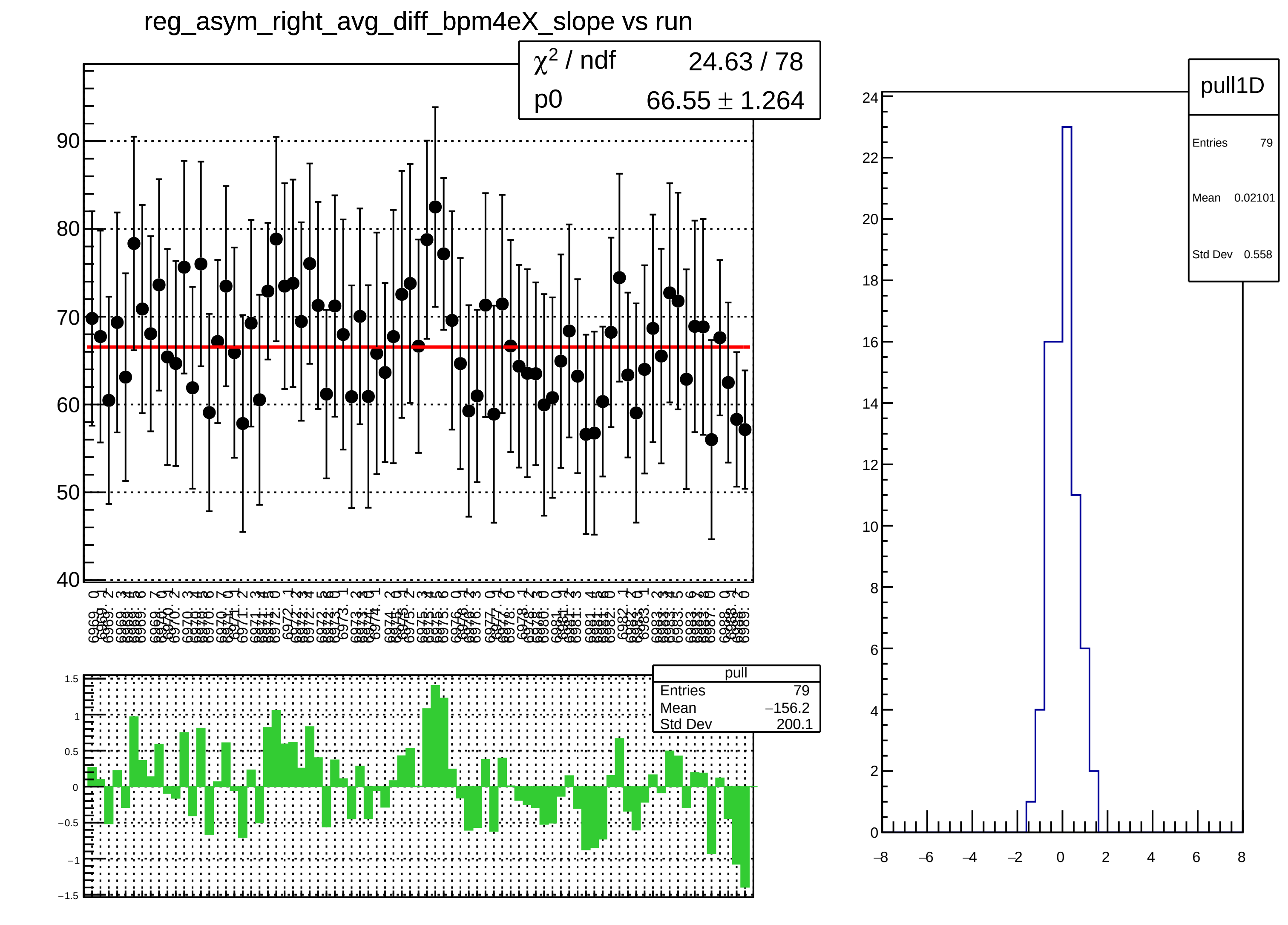
reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 442.9 / 78
p0 −20.28 ± 0.04145
pull
Entries 79
Mean −1100
Std Dev 1145
pull1D
Entries 79
Mean −0.03326
Std Dev 2.368

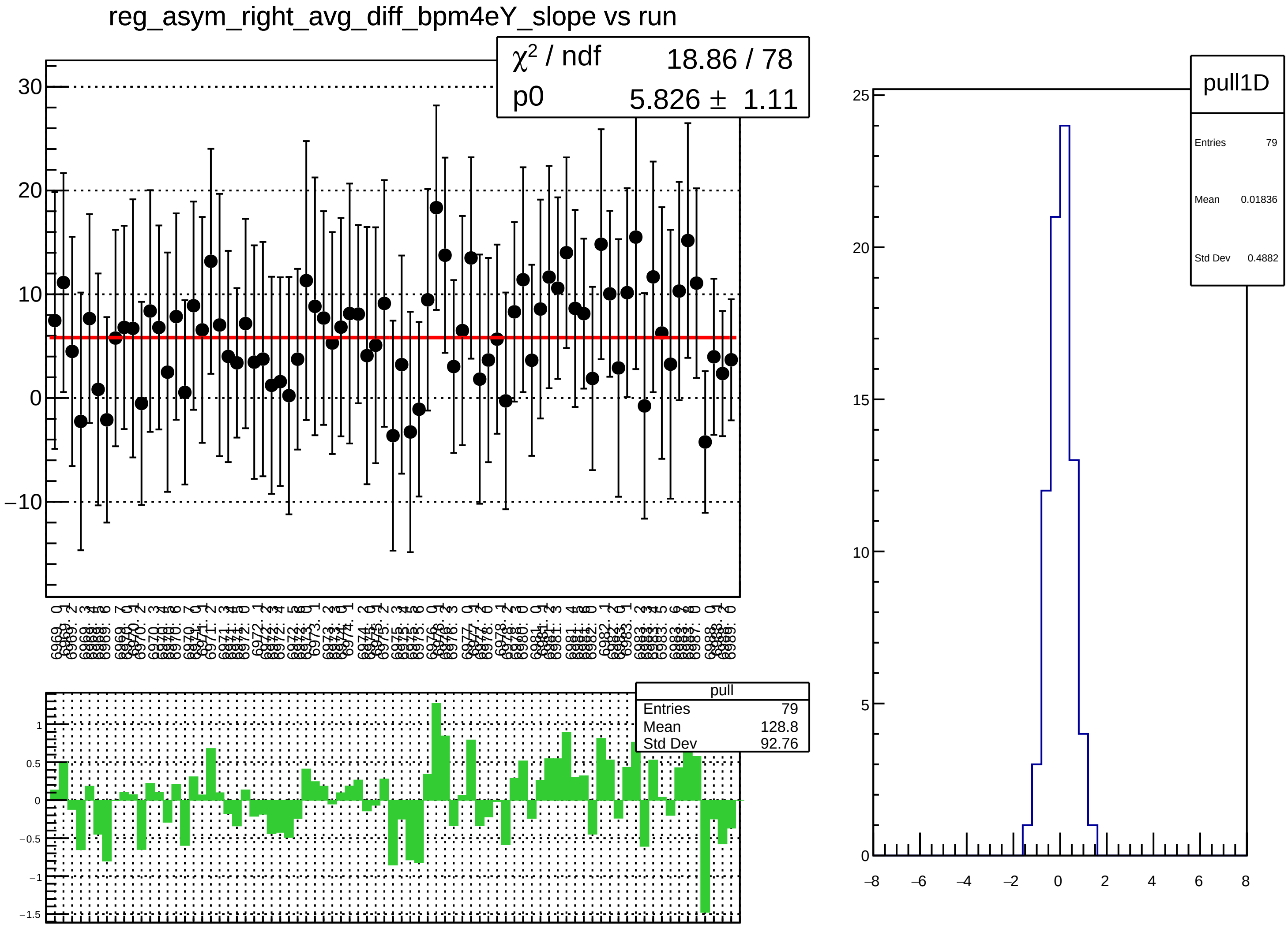


reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 23.8 / 78
p0 −39.24 ± 1.375
pull
Entries 79
Mean −156.4
Std Dev 200.3
pull1D
Entries 79
Mean −0.01871
Std Dev 0.5485

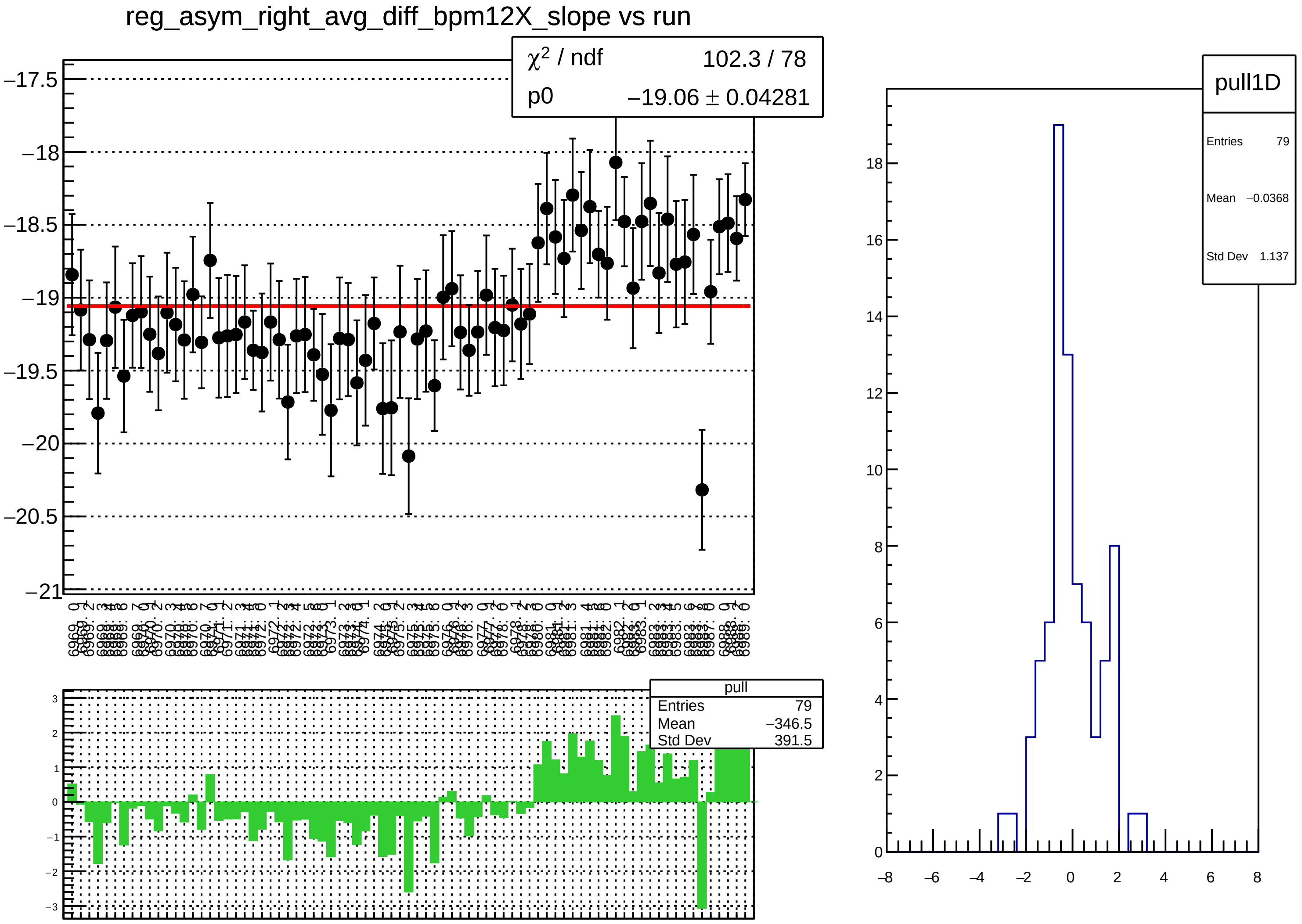


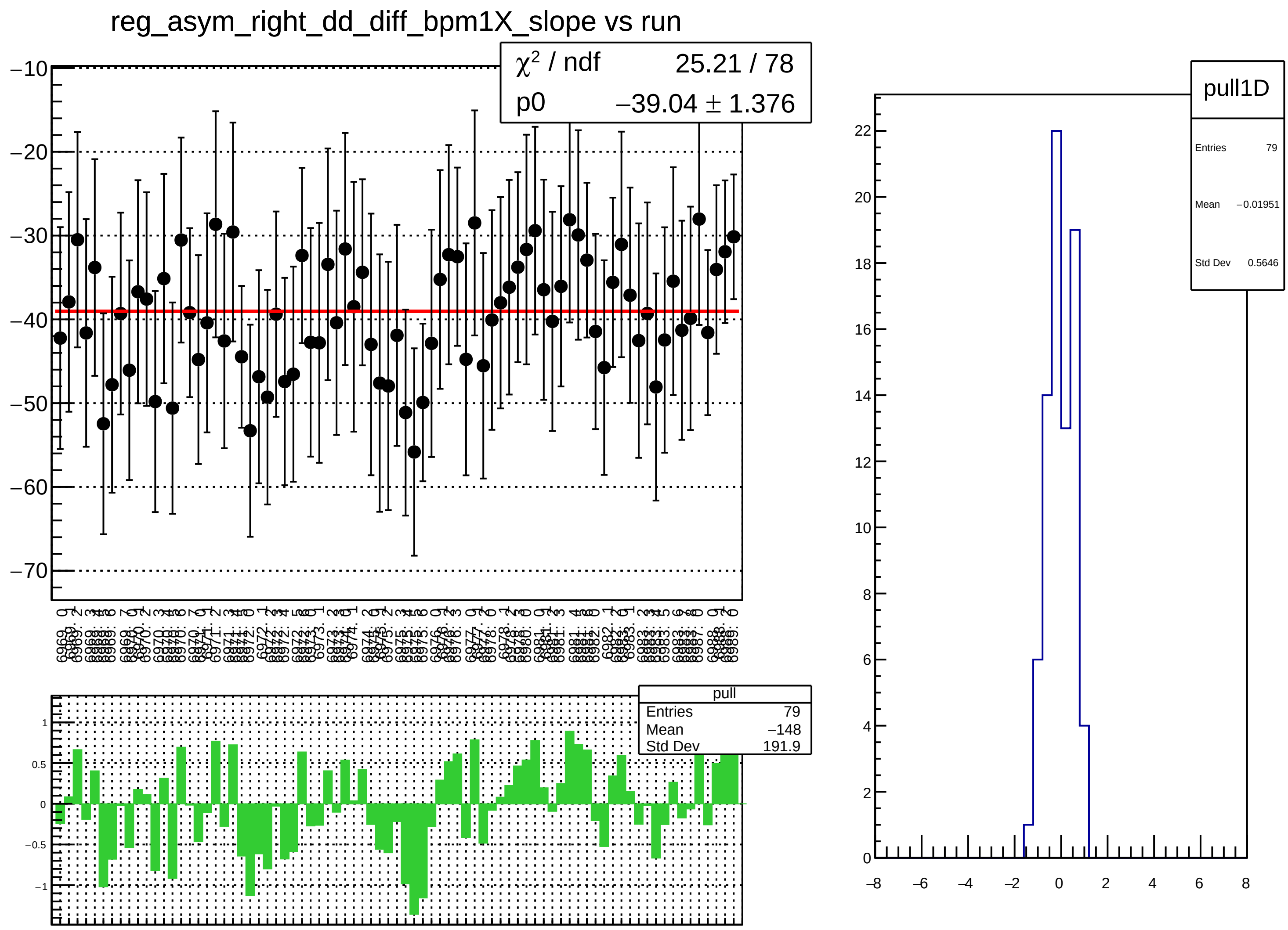
reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 15.06 / 78
p0 2.479 ± 0.9681
pull
Entries 79
Mean 117.5
Std Dev 78.39
pull1D
Entries 79
Mean −0.01427
Std Dev 0.4364


reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 24.63 / 78
p0 66.55 ± 1.264
pull
Entries 79
Mean −156.2
Std Dev 200.1
pull1D
Entries 79
Mean 0.02101
Std Dev 0.558

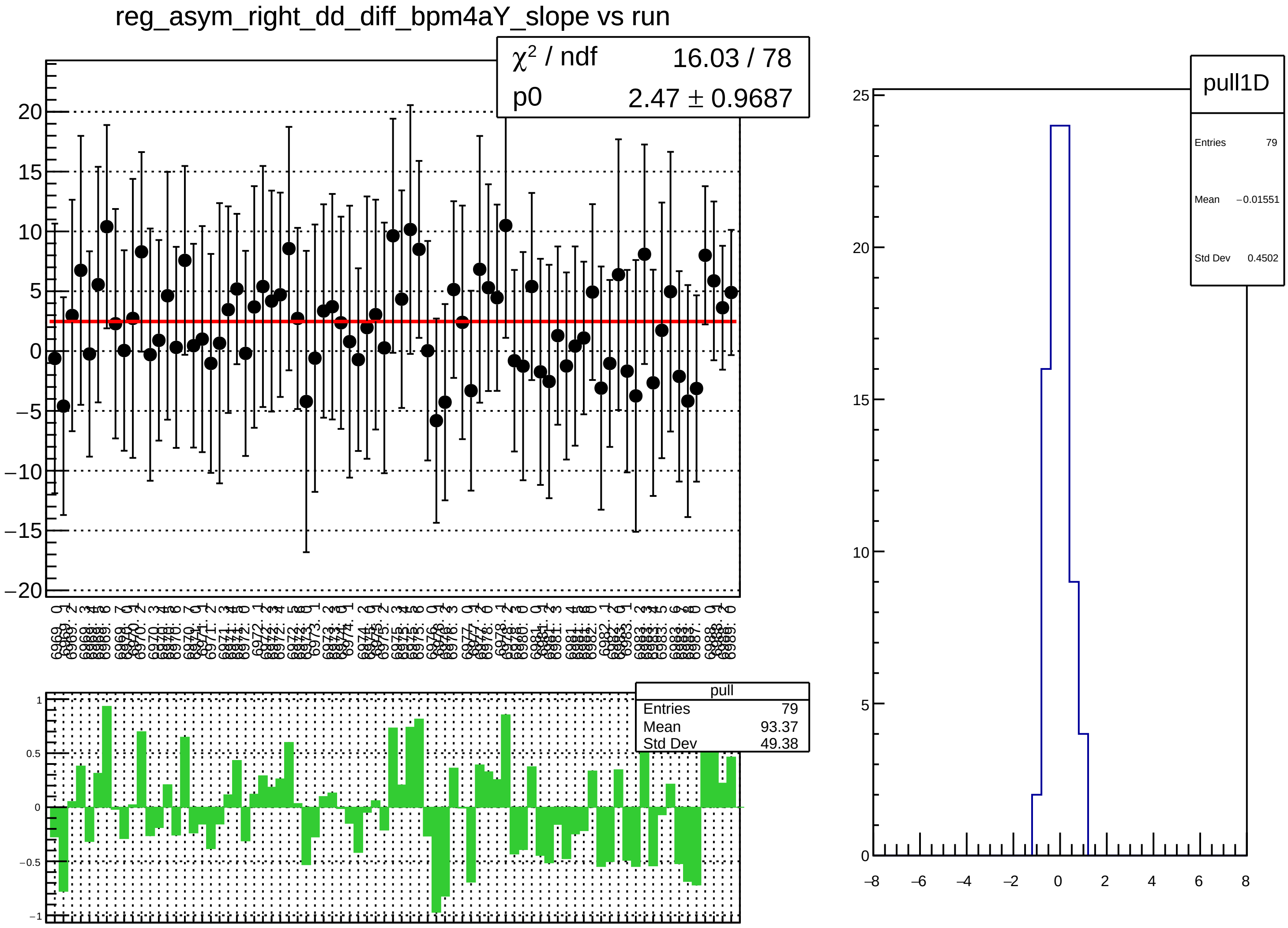


reg_asym_right_avg_diff_bpm4eY_slope vs run
χ2 / ndf 18.86 / 78
p0 5.826 ± 1.11
pull
Entries 79
Mean 128.8
Std Dev 92.76
pull1D
Entries 79
Mean 0.01836
Std Dev 0.4882

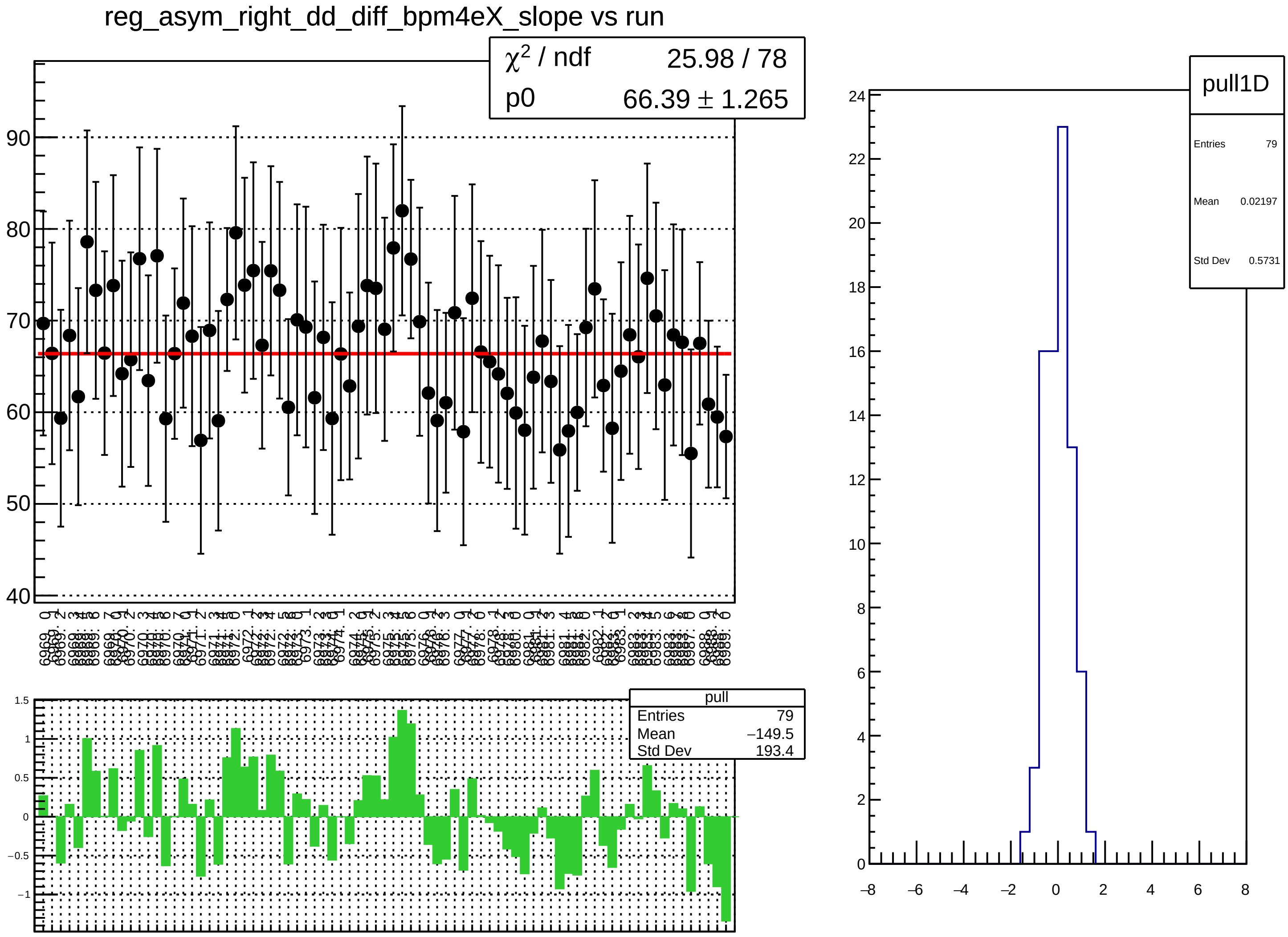

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 102.3 / 78
p0 −19.06 ± 0.04281
pull
Entries 79
Mean −346.5
Std Dev 391.5
pull1D
Entries 79
Mean −0.0368
Std Dev 1.137

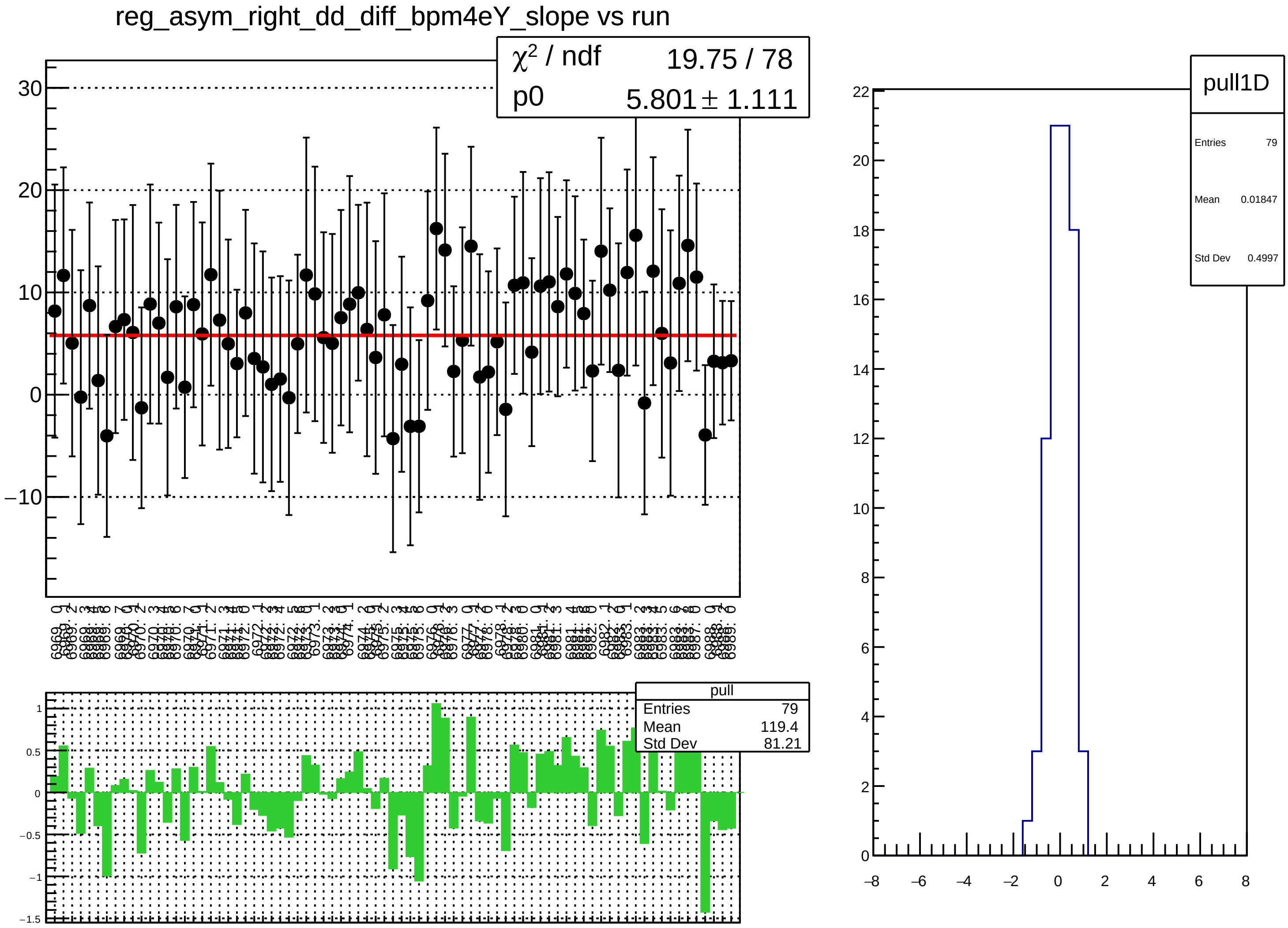


reg_asym_right_dd_diff_bpm1X_slope vs run
χ2 / ndf 25.21 / 78
p0 −39.04 ± 1.376
pull
Entries 79
Mean −148
Std Dev 191.9
pull1D
Entries 79
Mean −0.01951
Std Dev 0.5646

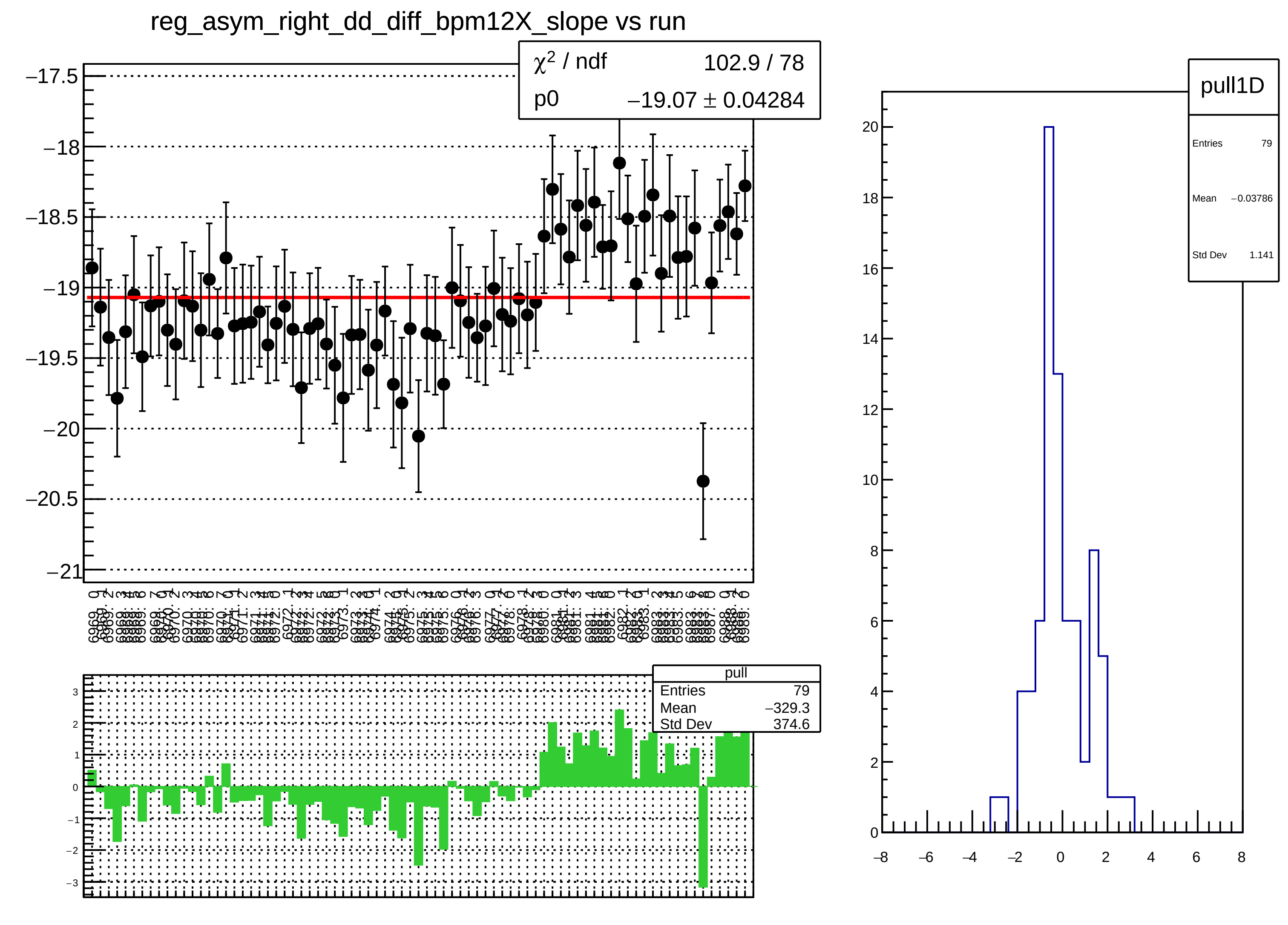


reg_asym_right_dd_diff_bpm4aY_slope vs run
χ2 / ndf 16.03 / 78
p0 2.47 ± 0.9687
pull
Entries 79
Mean 93.37
Std Dev 49.38
pull1D
Entries 79
Mean −0.01551
Std Dev 0.4502

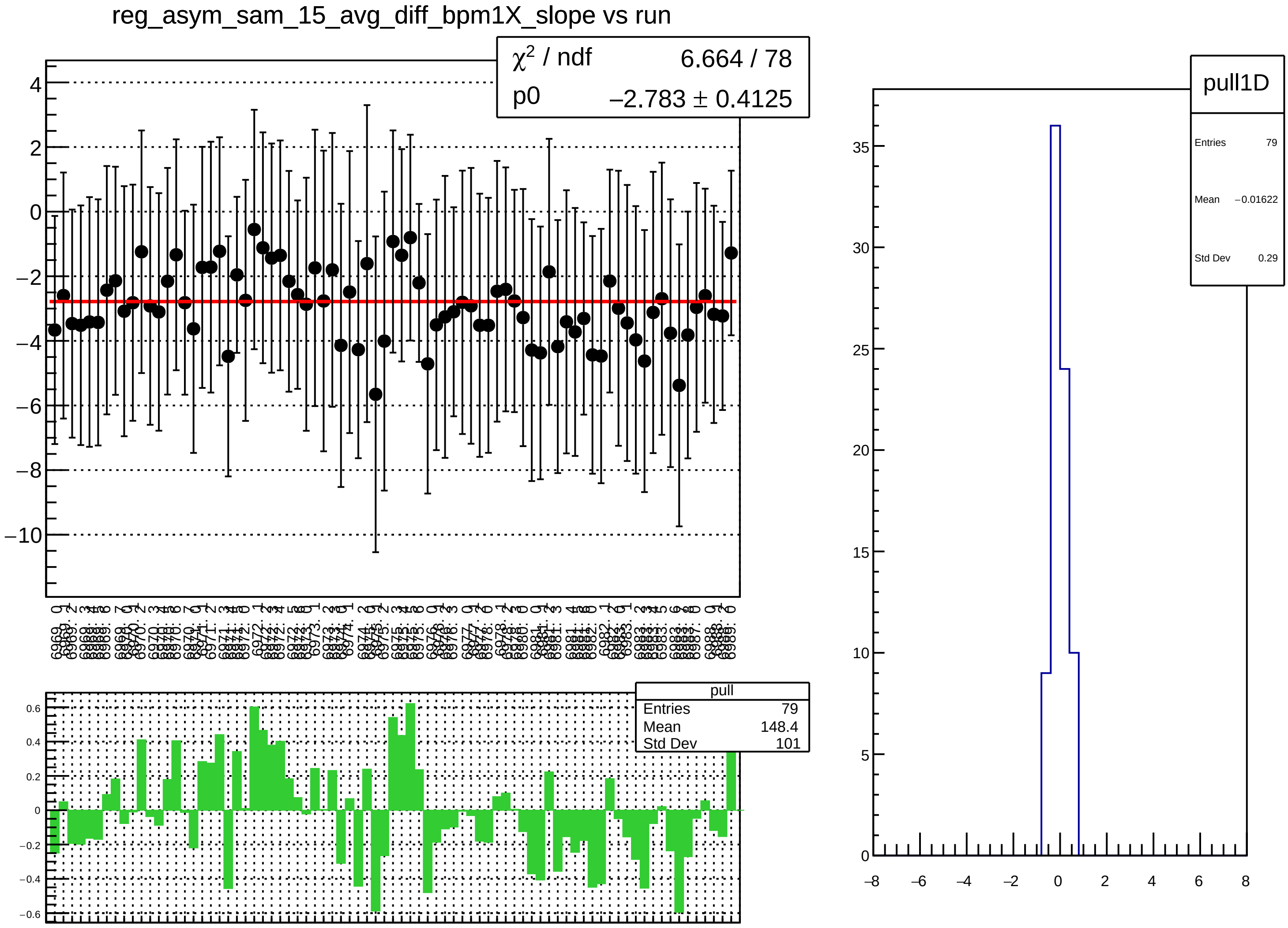

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 25.98 / 78
p0 66.39 ± 1.265
pull
Entries 79
Mean −149.5
Std Dev 193.4
pull1D
Entries 79
Mean 0.02197
Std Dev 0.5731



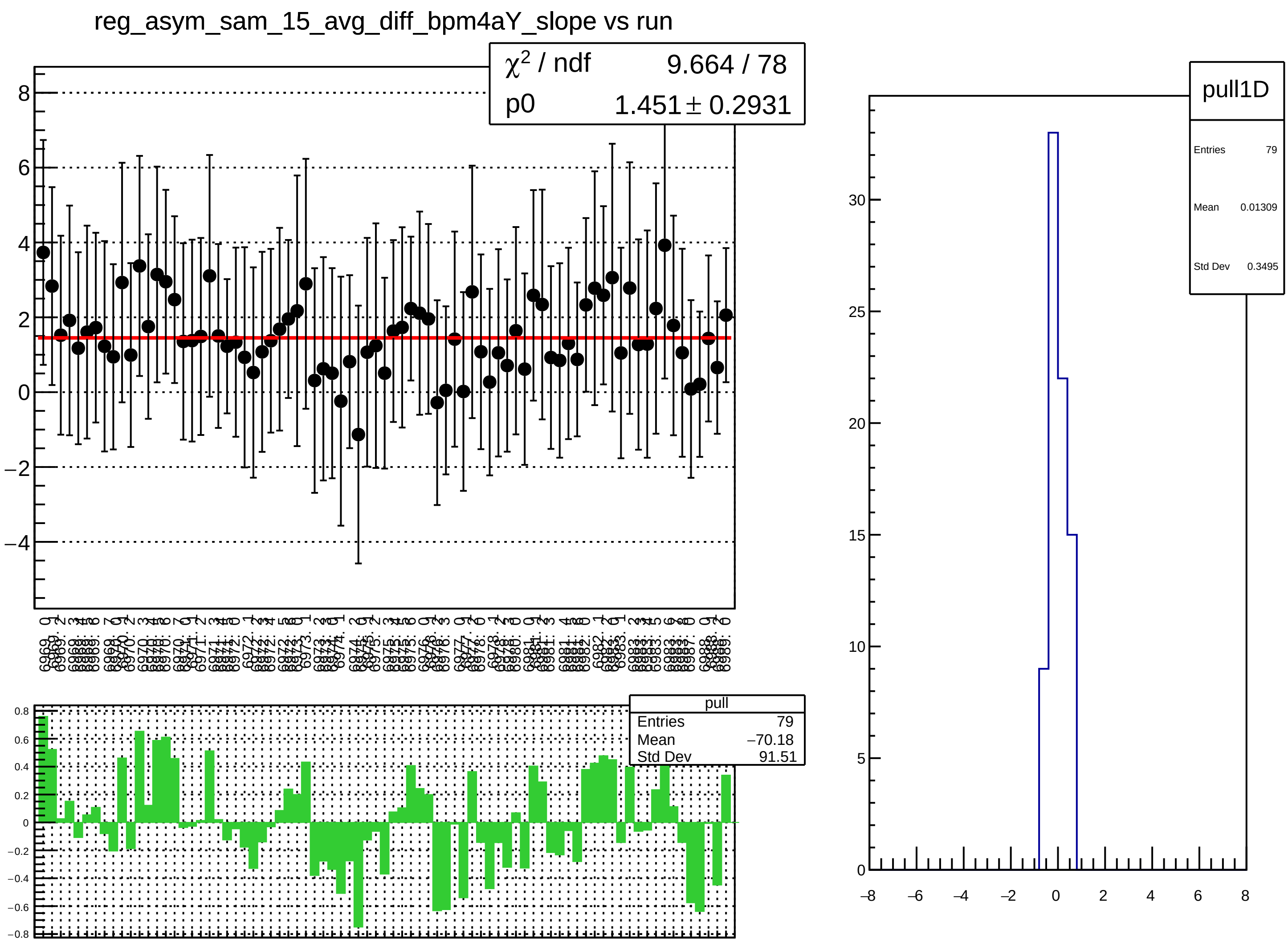
reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 19.75 / 78
p0 5.801 ± 1.111
pull
Entries 79
Mean 119.4
Std Dev 81.21
pull1D
Entries 79
Mean 0.01847
Std Dev 0.4997



reg_asym_right_dd_diff_bpm12X_slope vs run
χ2 / ndf 102.9 / 78
p0 −19.07 ± 0.04284
pull
Entries 79
Mean −329.3
Std Dev 374.6
pull1D
Entries 79
Mean −0.03786
Std Dev 1.141

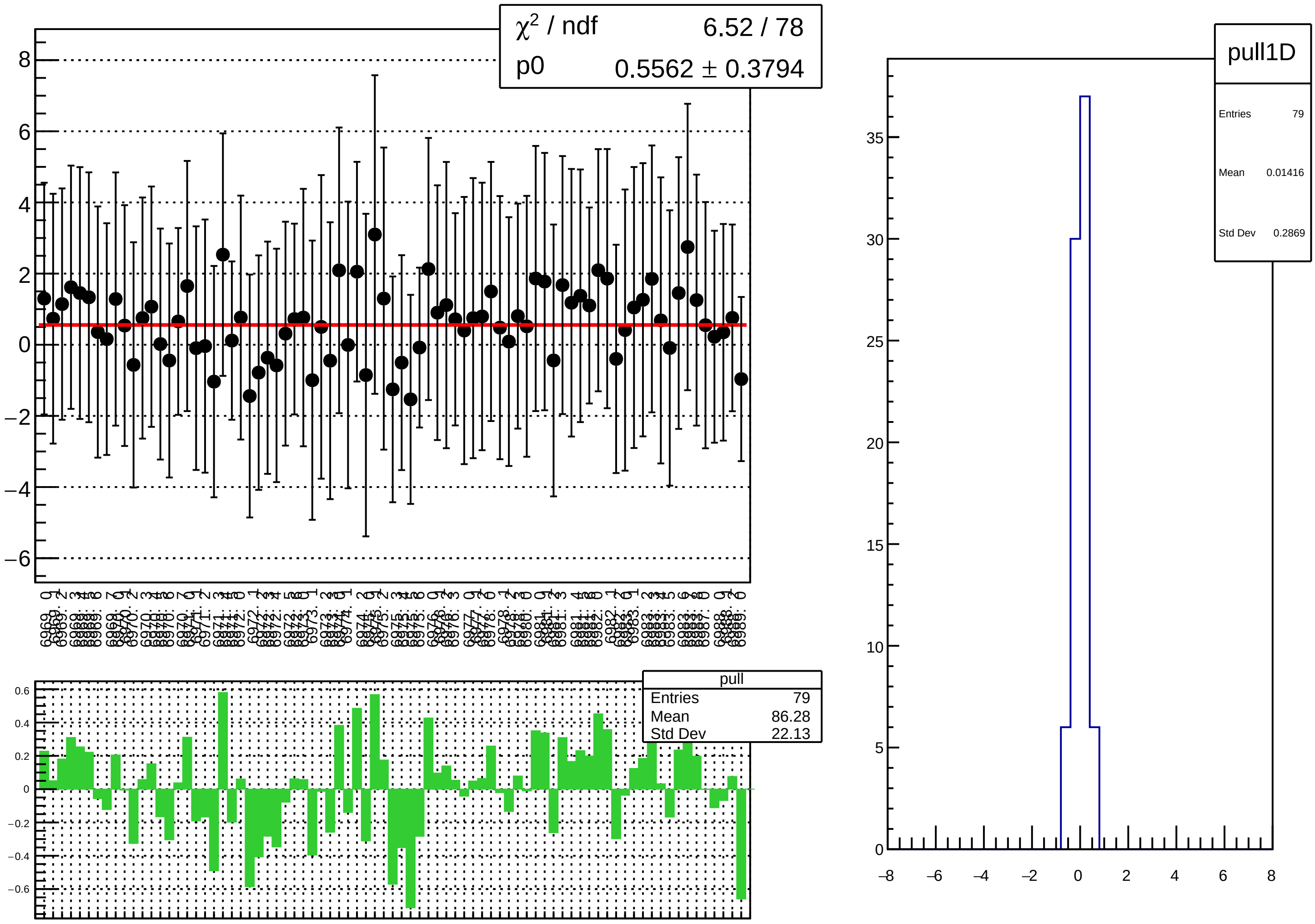


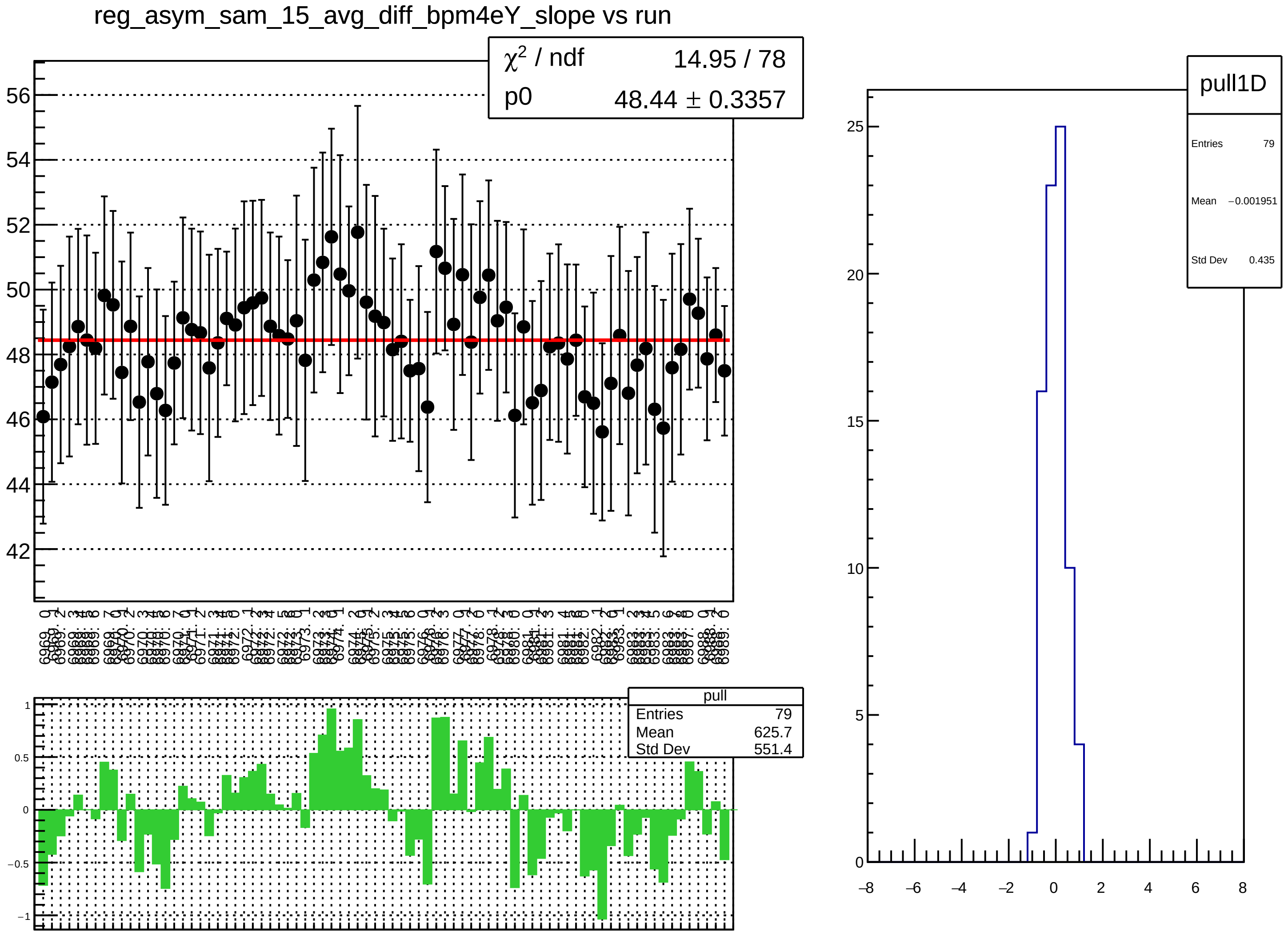
reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.664 / 78
p0 −2.783 ± 0.4125
pull
Entries 79
Mean 148.4
Std Dev 101
pull1D
Entries 79
Mean −0.01622
Std Dev 0.29



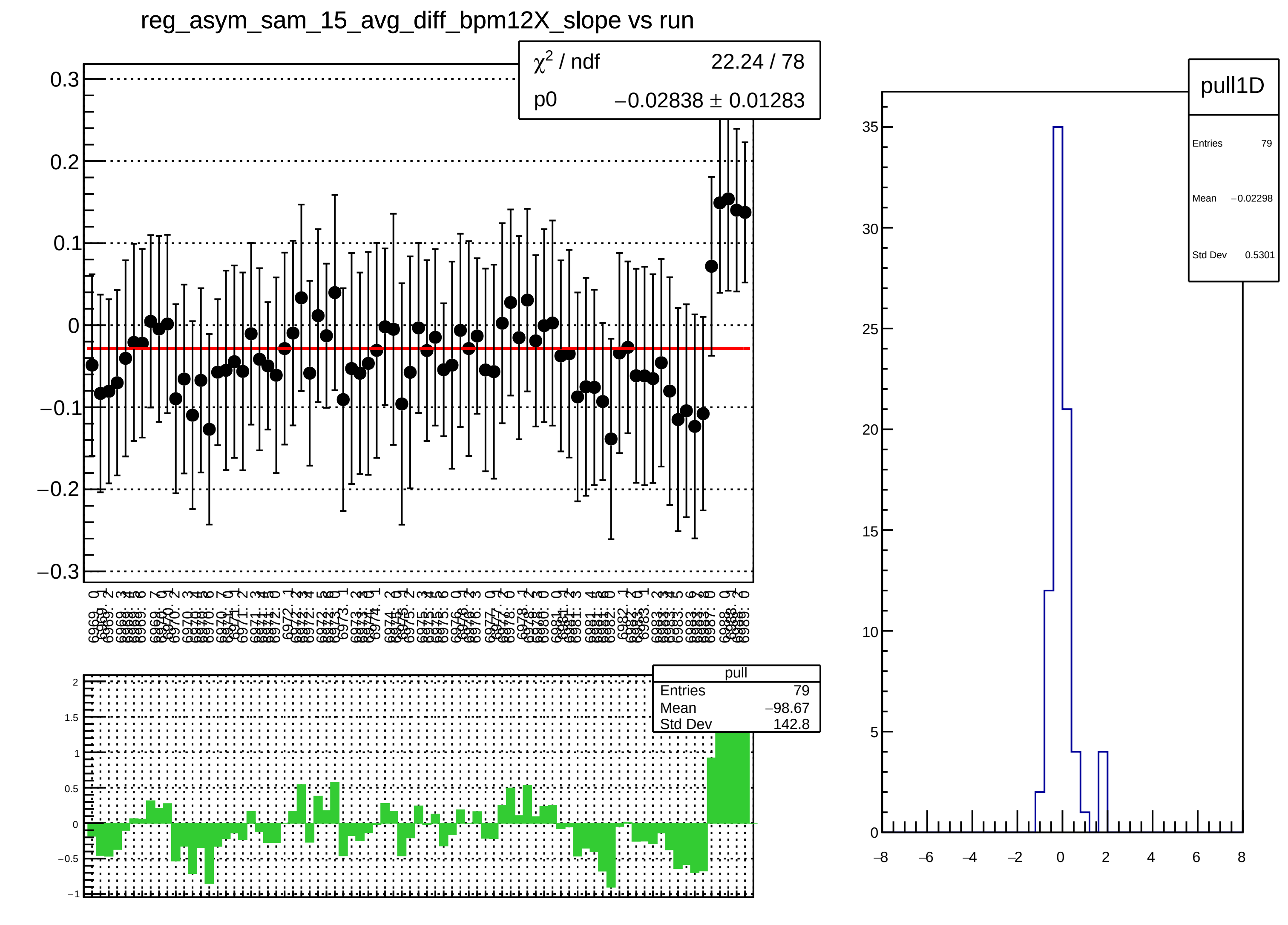
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 9.664 / 78
p0 1.451 ± 0.2931
pull
Entries 79
Mean −70.18
Std Dev 91.51
pull1D
Entries 79
Mean 0.01309
Std Dev 0.3495

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run

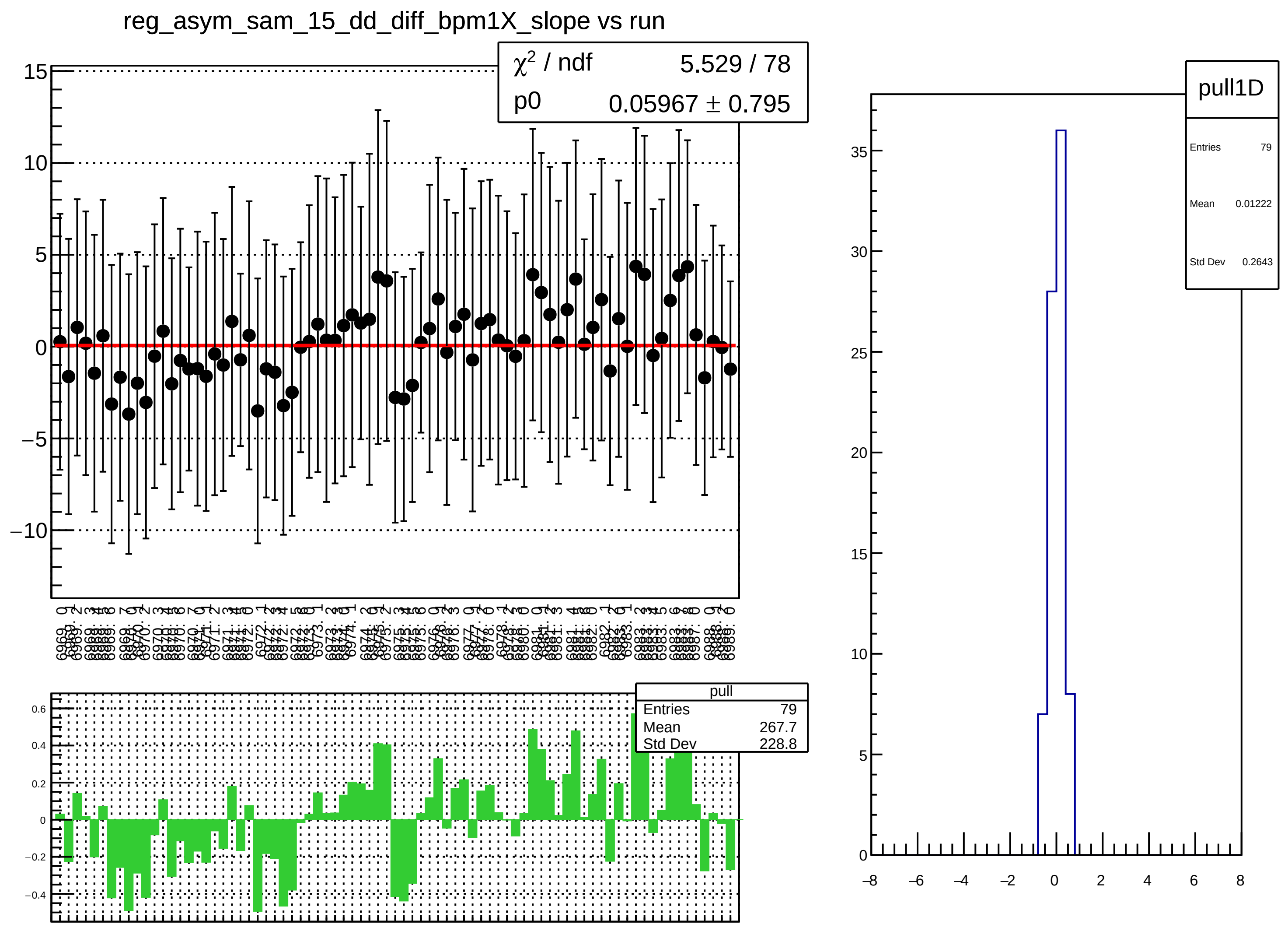




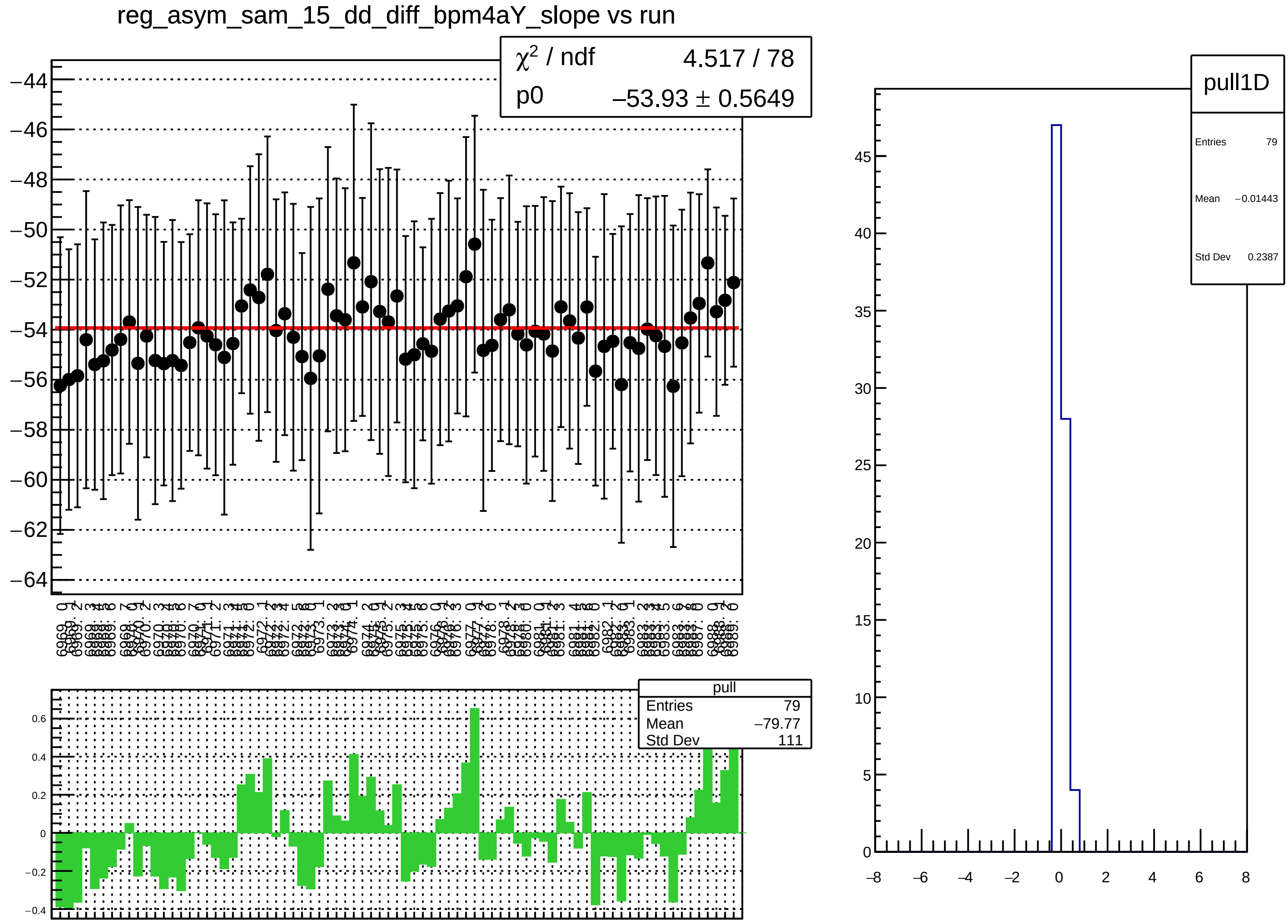
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.95 / 78
p0 48.44 ± 0.3357
pull
Entries 79
Mean 625.7
Std Dev 551.4
pull1D
Entries 79
Mean −0.001951
Std Dev 0.435



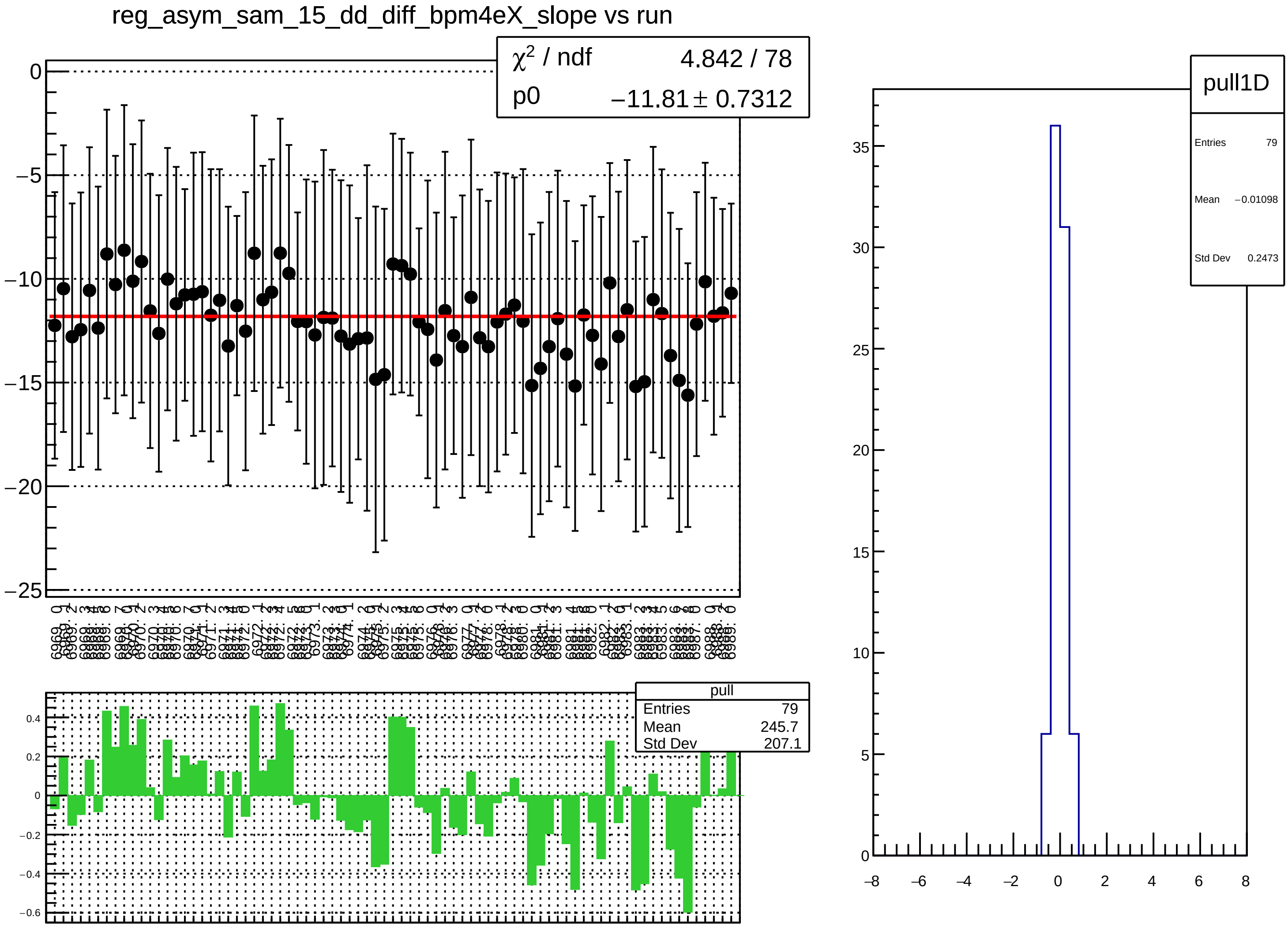
reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 22.24 / 78
p0 −0.02838 ± 0.01283
pull
Entries 79
Mean −98.67
Std Dev 142.8
pull1D
Entries 79
Mean −0.02298
Std Dev 0.5301

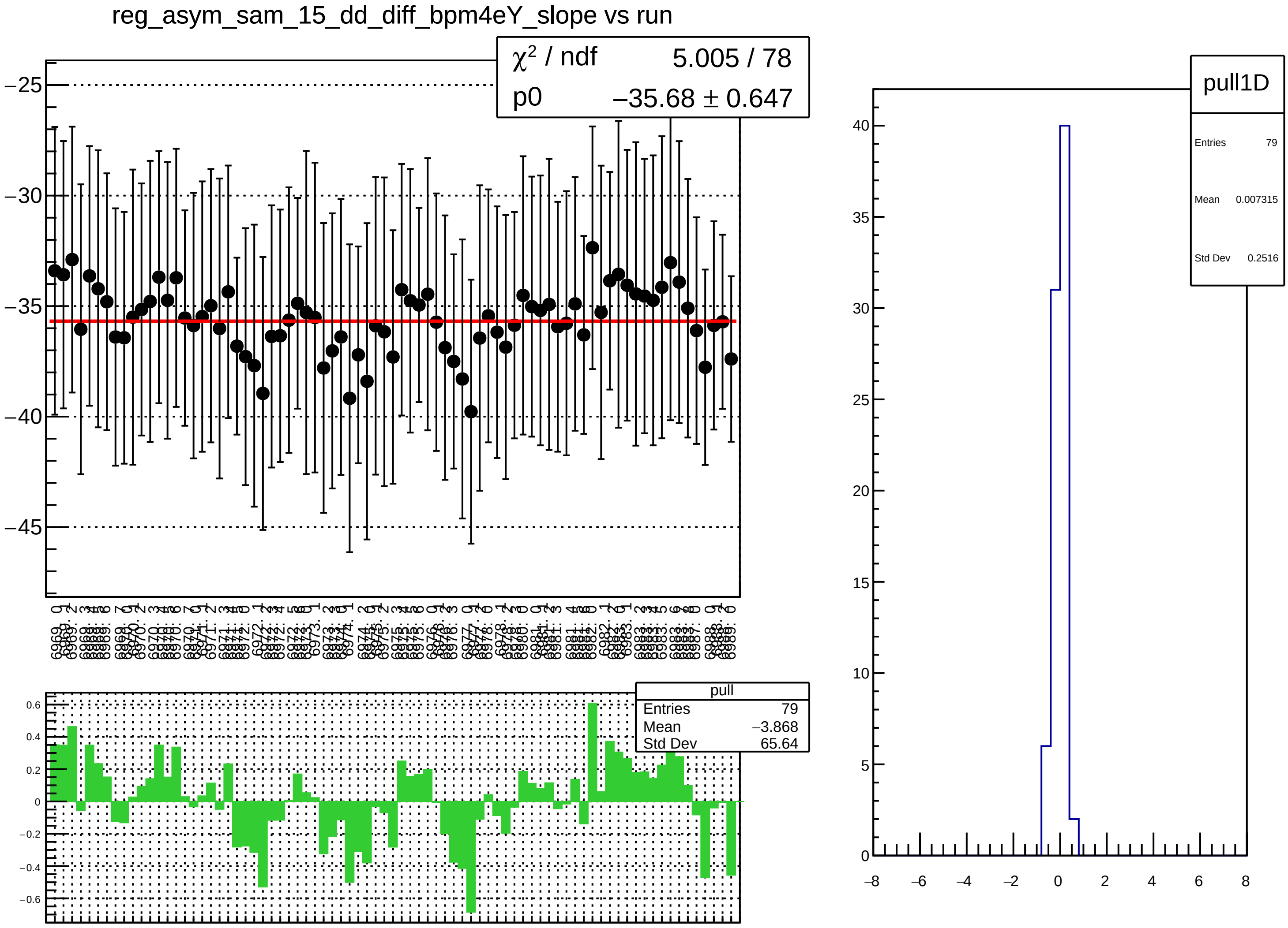


reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 5.529 / 78
p0 0.05967 ± 0.795
pull
Entries 79
Mean 267.7
Std Dev 228.8
pull1D
Entries 79
Mean 0.01222
Std Dev 0.2643

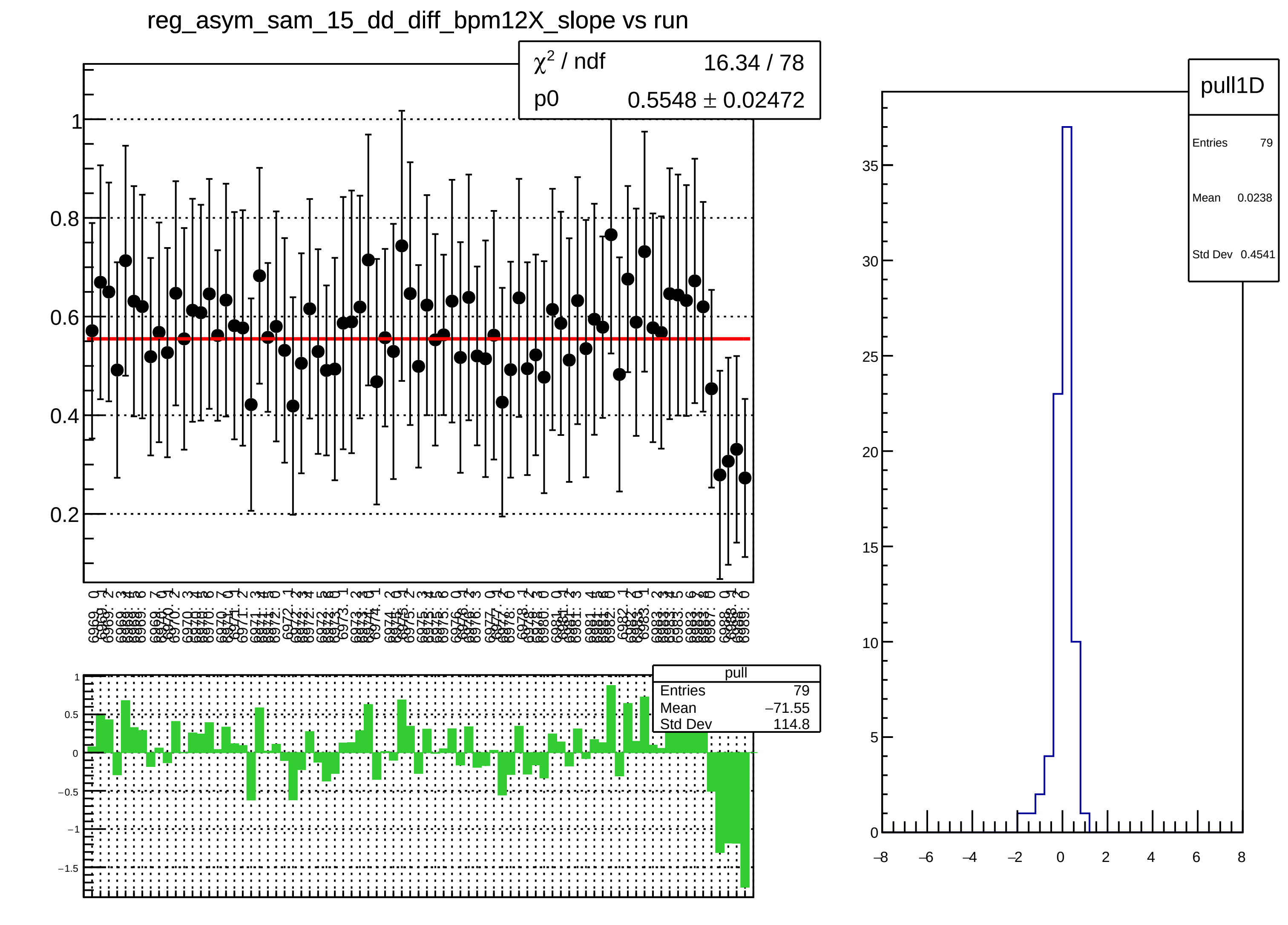


reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.517 / 78
p0 −53.93 ± 0.5649
pull
Entries 79
Mean −79.77
Std Dev 111
pull1D
Entries 79
Mean −0.01443
Std Dev 0.2387

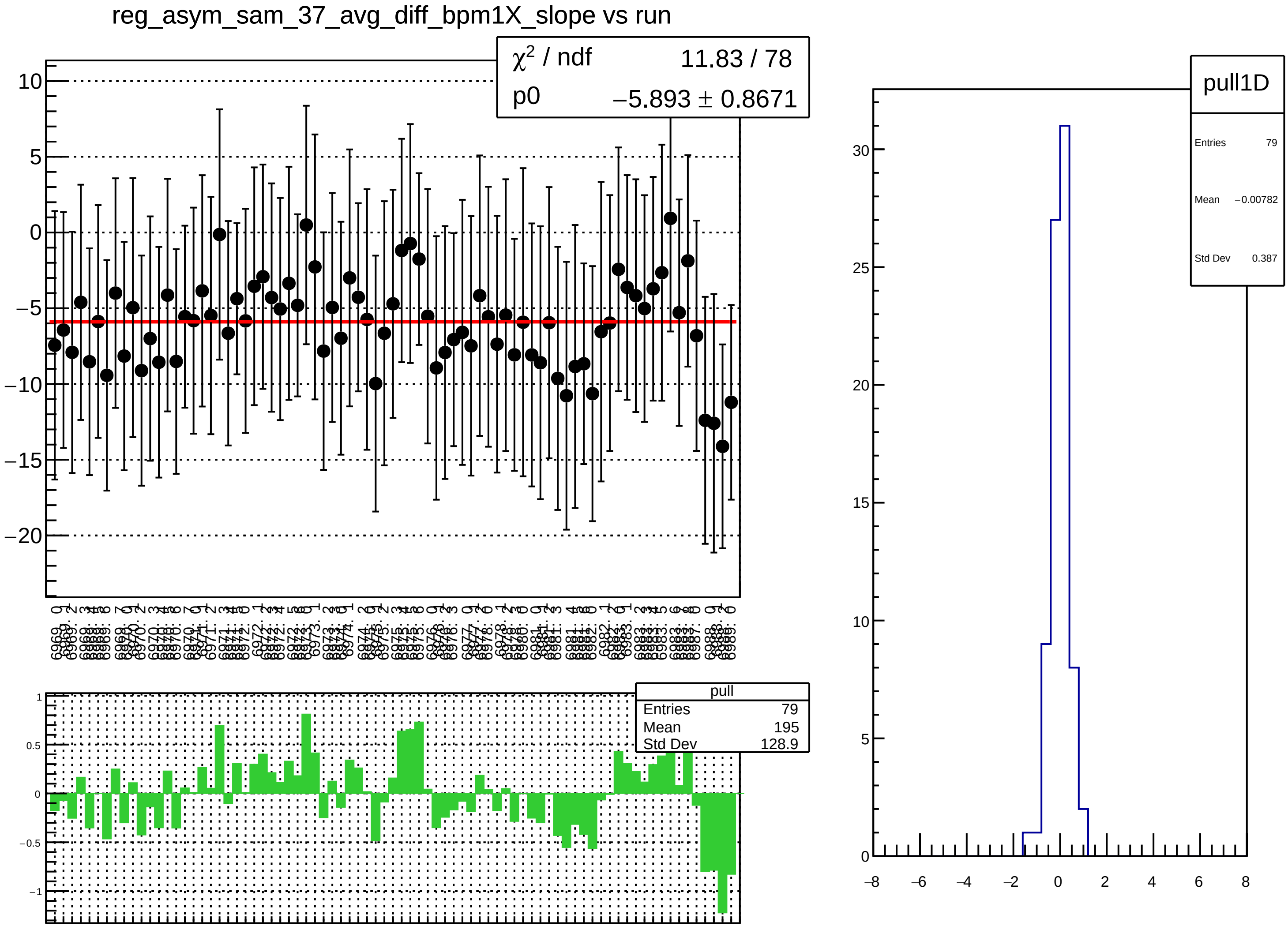

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ2 / ndf 4.842 / 78
p0 −11.81 ± 0.7312
pull
Entries 79
Mean 245.7
Std Dev 207.1
pull1D
Entries 79
Mean −0.01098
Std Dev 0.2473



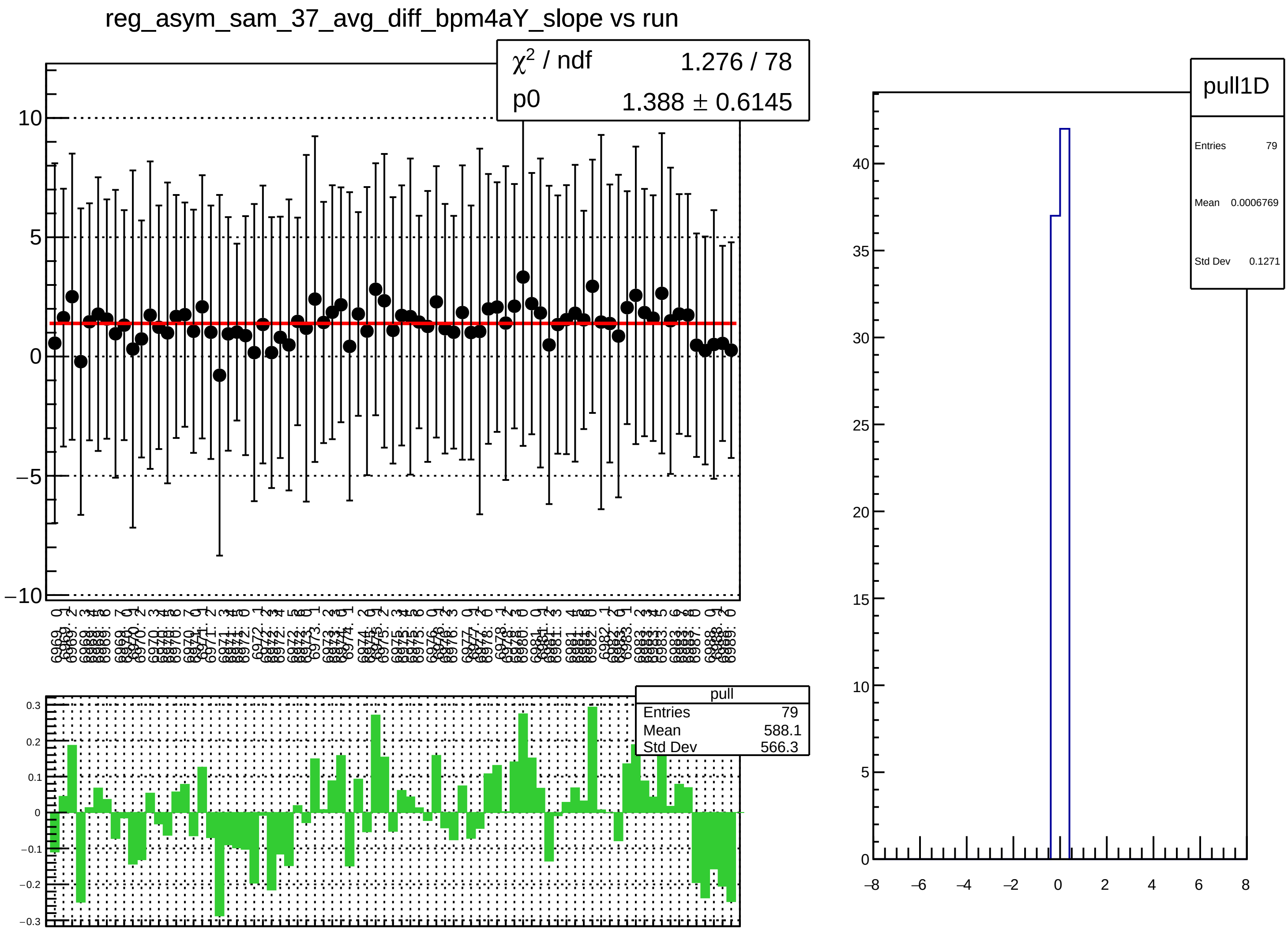
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.005 / 78
p0 −35.68 ± 0.647
pull
Entries 79
Mean −3.868
Std Dev 65.64
pull1D
Entries 79
Mean 0.007315
Std Dev 0.2516

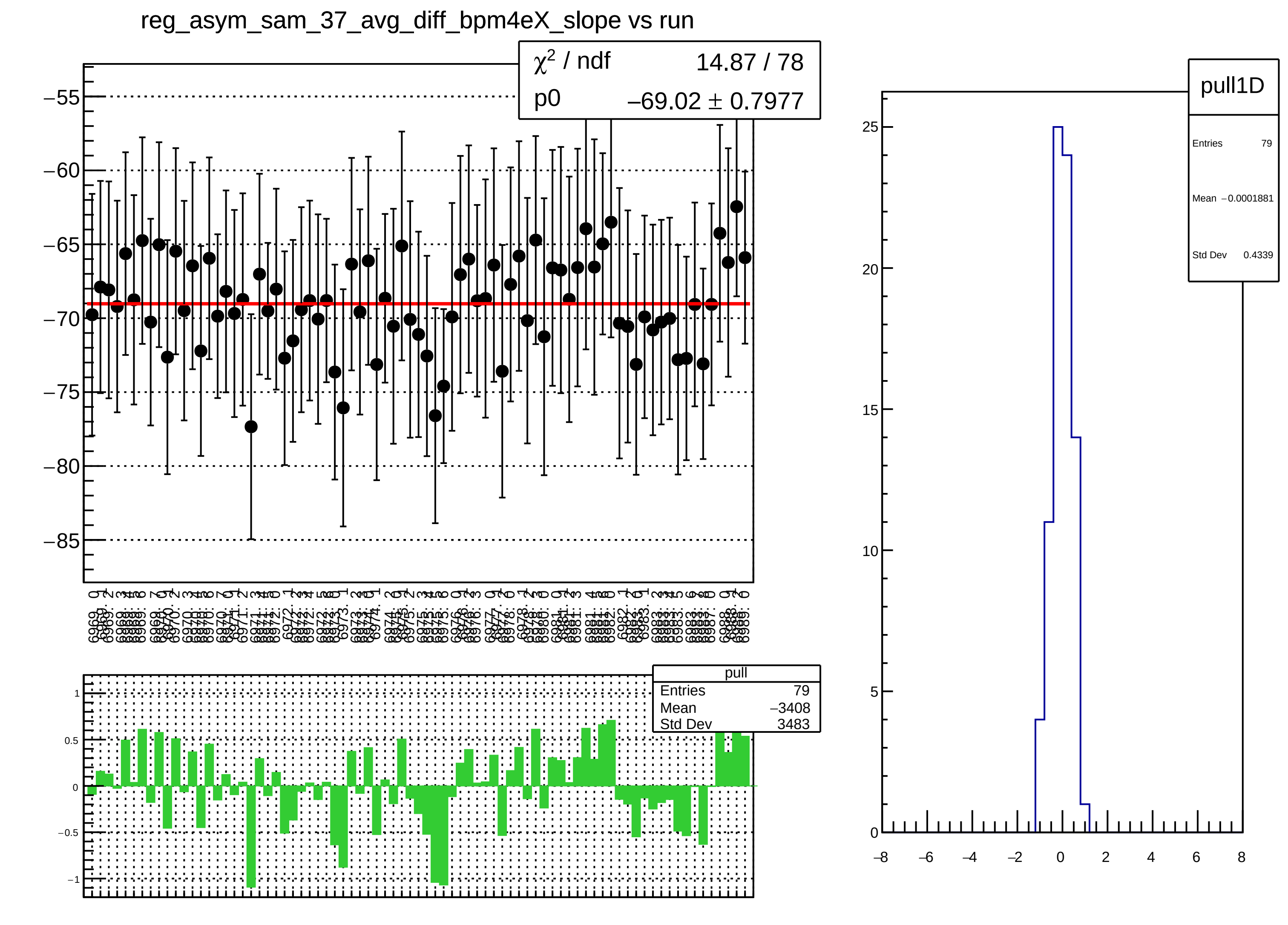


reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.34 / 78
p0 0.5548 ± 0.02472
pull
Entries 79
Mean −71.55
Std Dev 114.8
pull1D
Entries 79
Mean 0.0238
Std Dev 0.4541

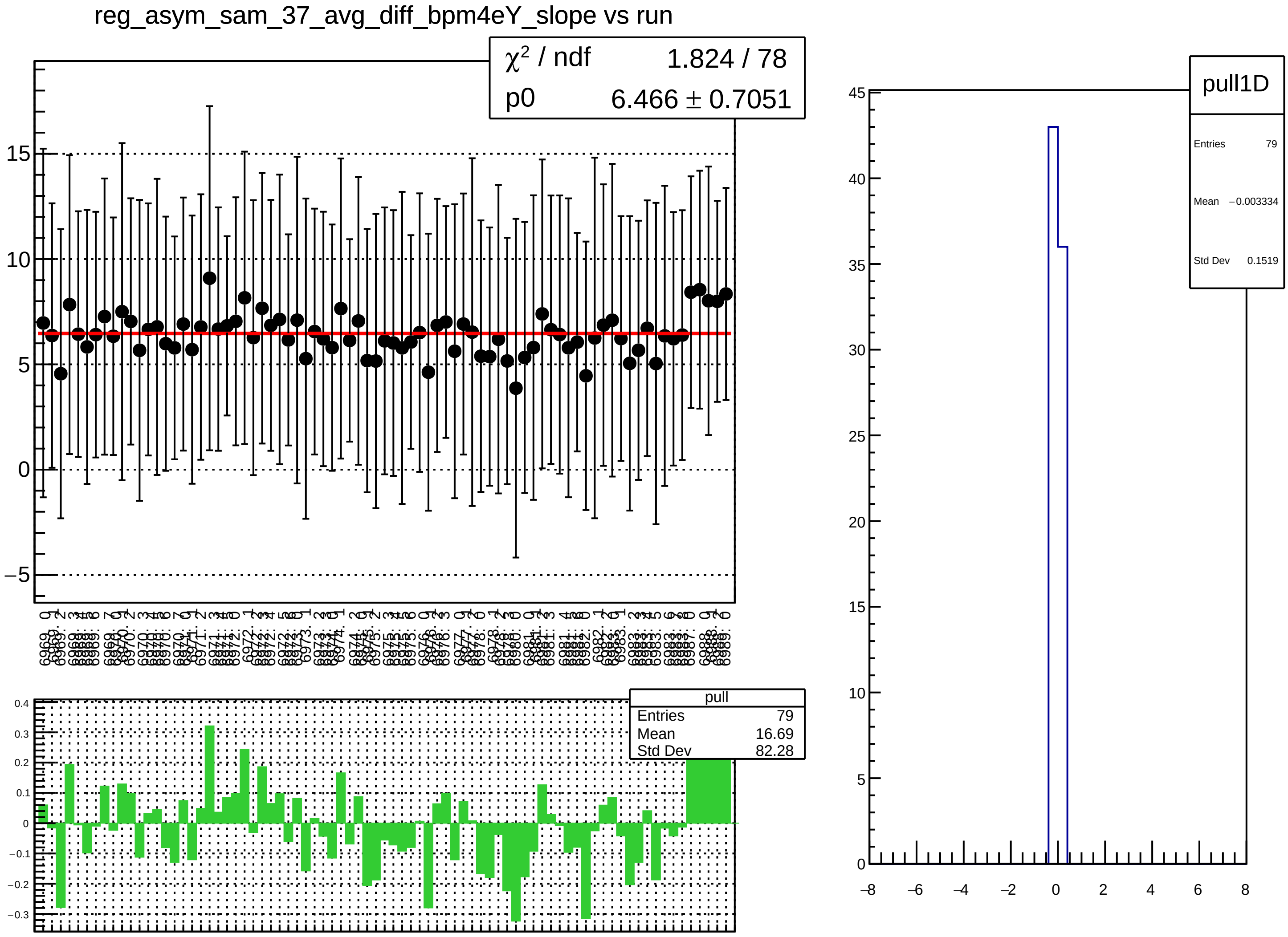


reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 11.83 / 78
p0 −5.893 ± 0.8671
pull
Entries 79
Mean 195
Std Dev 128.9
pull1D
Entries 79
Mean −0.00782
Std Dev 0.387

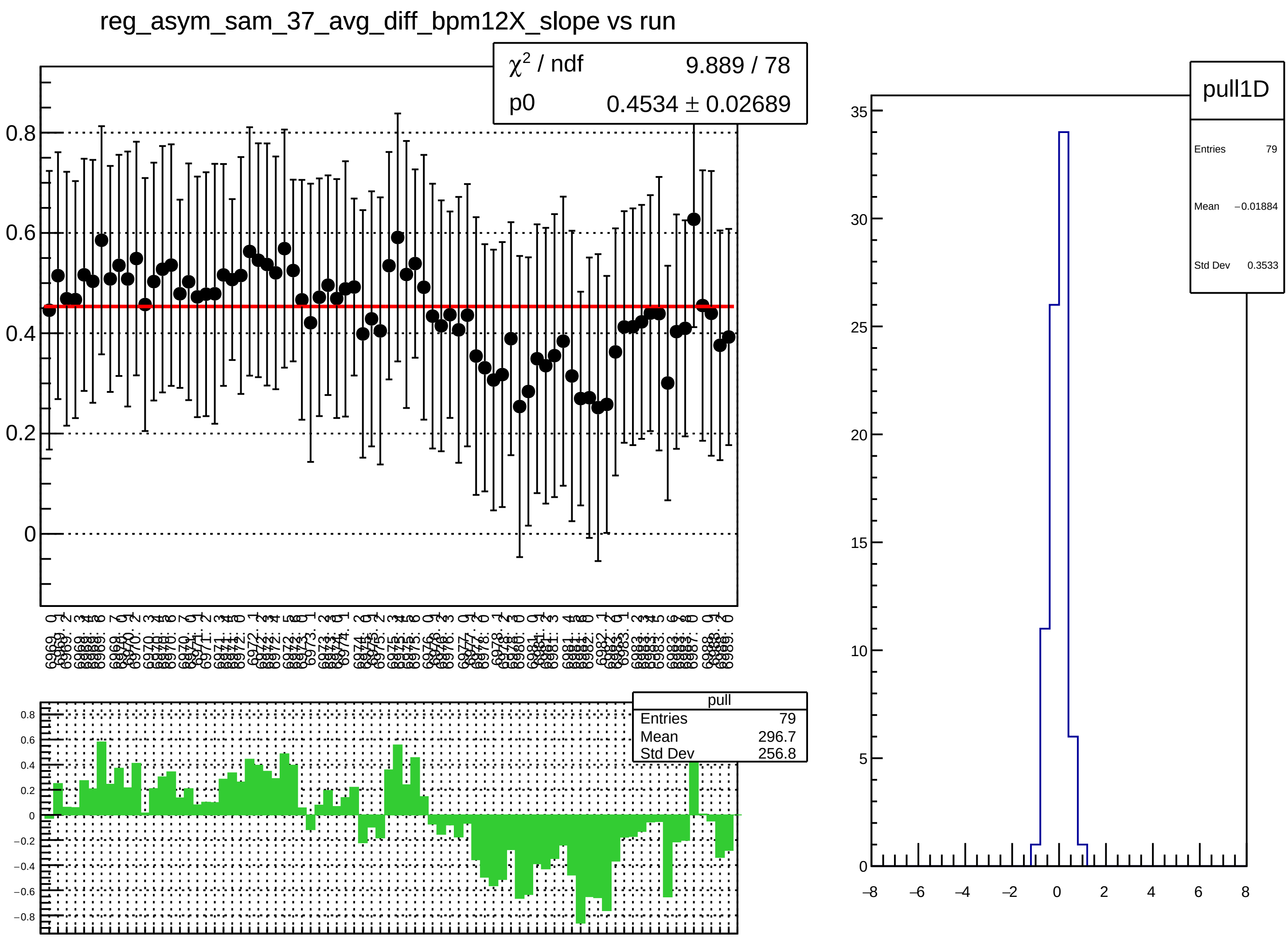

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.276 / 78
p0 1.388 ± 0.6145
pull
Entries 79
Mean 588.1
Std Dev 566.3
pull1D
Entries 79
Mean 0.0006769
Std Dev 0.1271



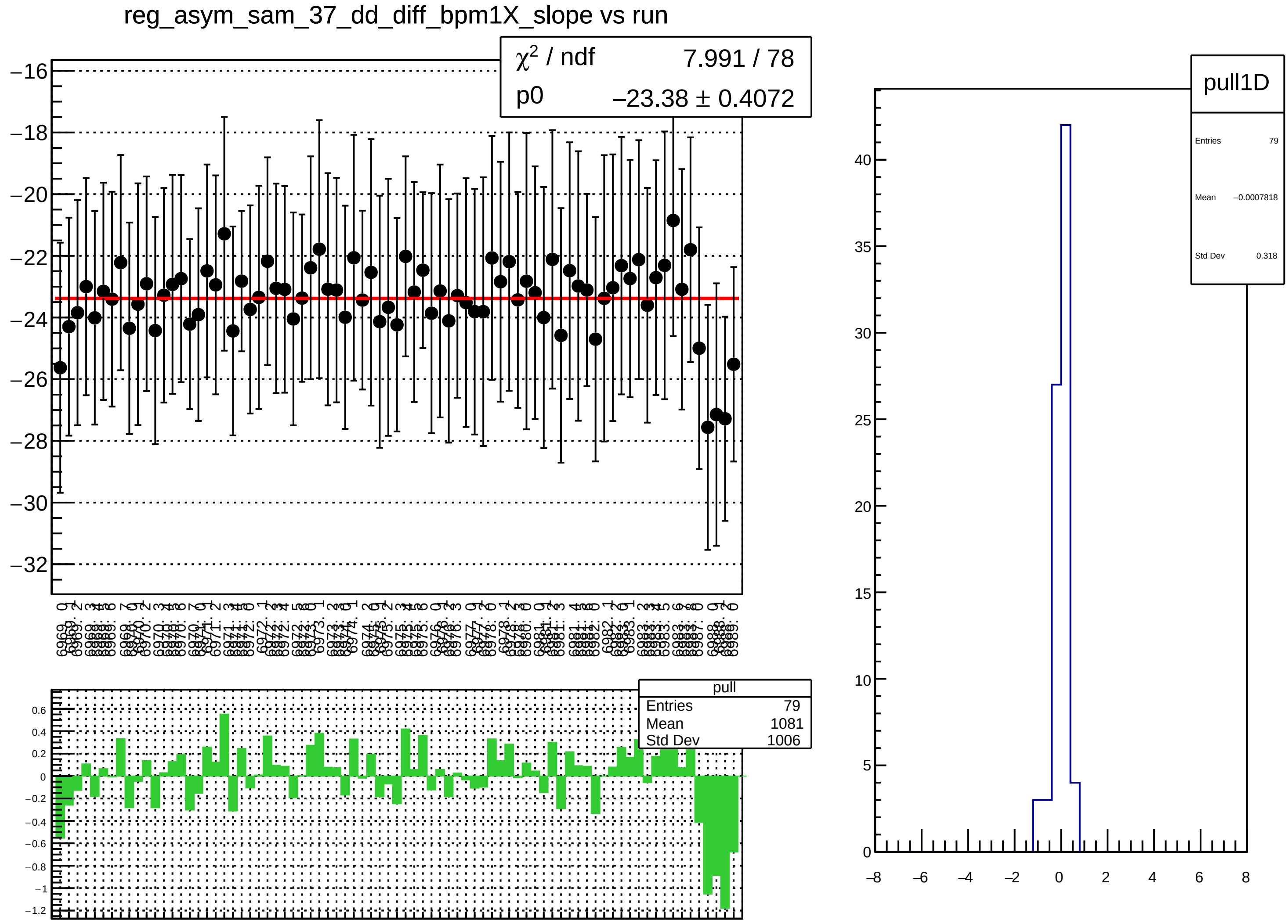
reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 14.87 / 78
p0 −69.02 ± 0.7977
pull
Entries 79
Mean −3408
Std Dev 3483
pull1D
Entries 79
Mean −0.0001881
Std Dev 0.4339

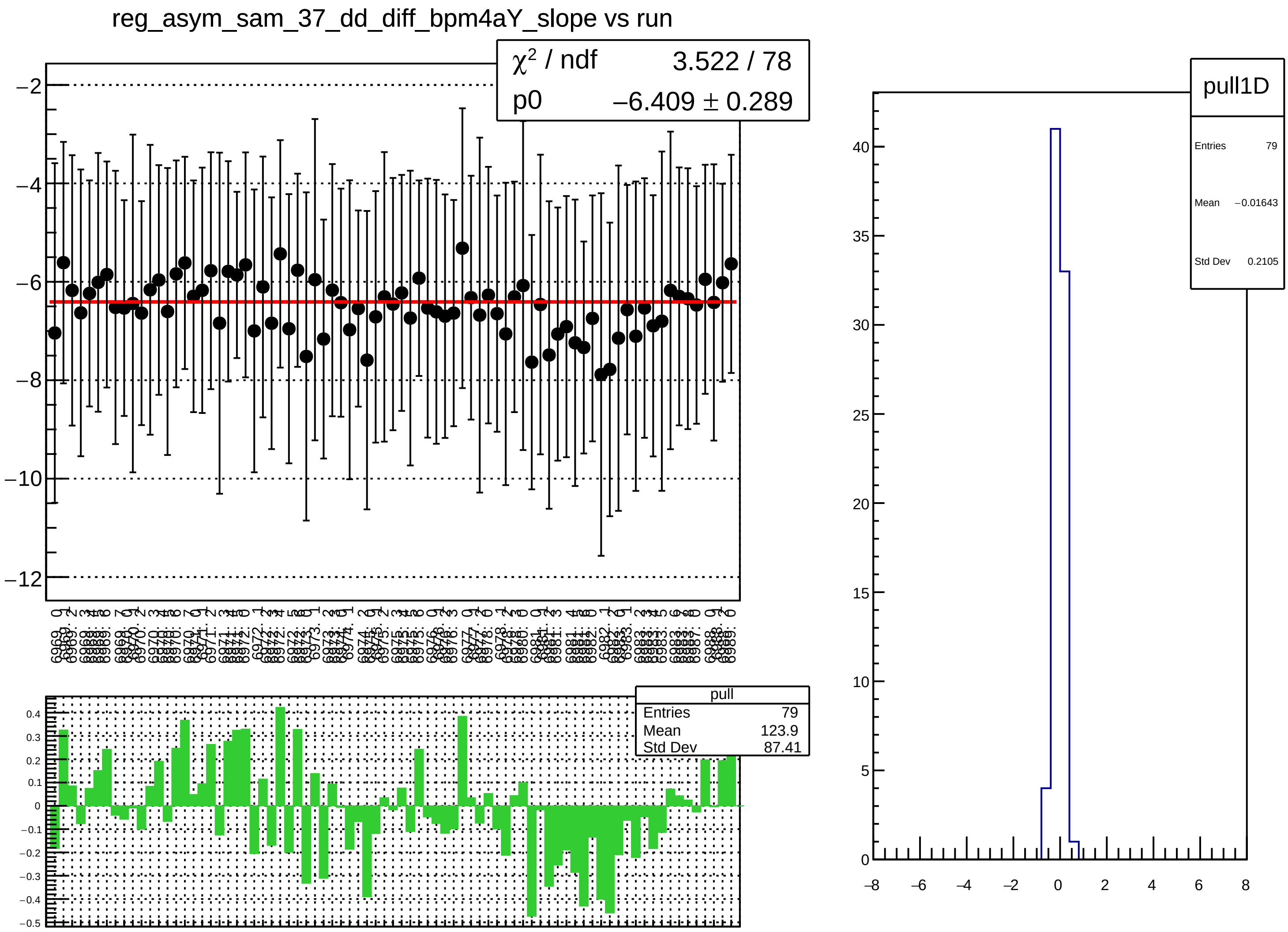


reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1.824 / 78
p0 6.466 ± 0.7051
pull
Entries 79
Mean 16.69
Std Dev 82.28
pull1D
Entries 79
Mean −0.003334
Std Dev 0.1519

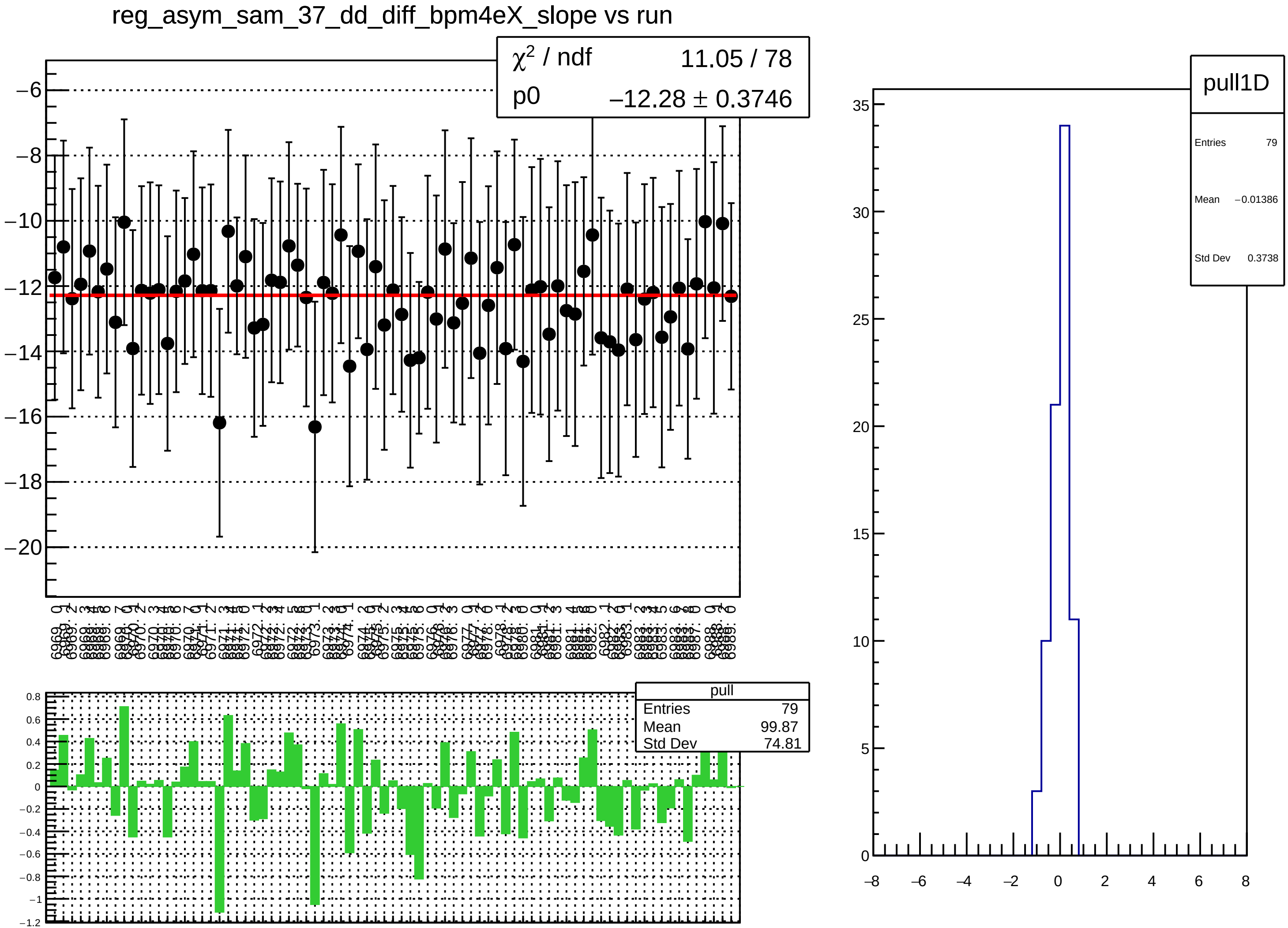


reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.889 / 78
p0 0.4534 ± 0.02689
pull
Entries 79
Mean 296.7
Std Dev 256.8
pull1D
Entries 79
Mean −0.01884
Std Dev 0.3533

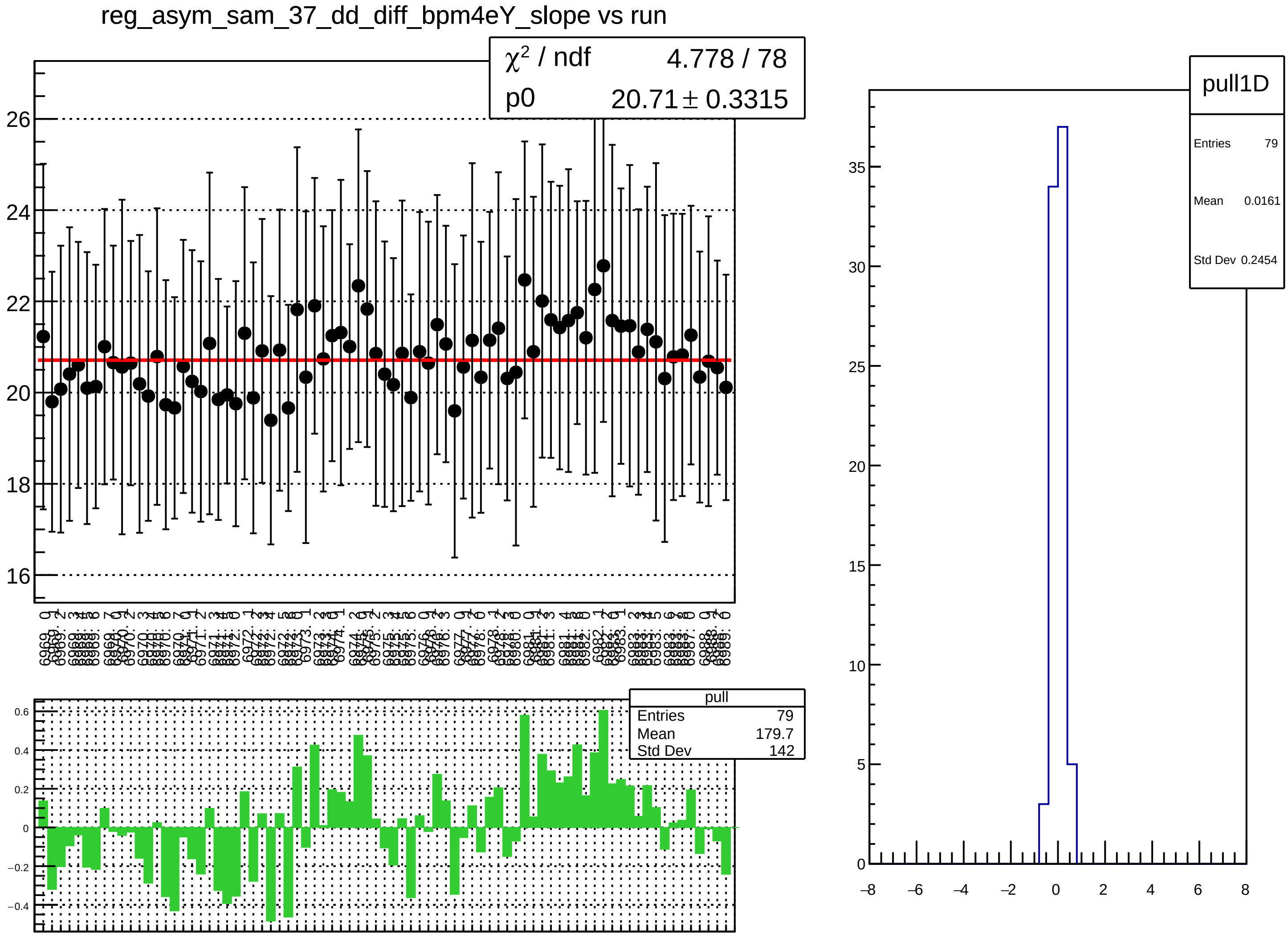

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.991 / 78
p0 −23.38 ± 0.4072
pull
Entries 79
Mean 1081
Std Dev 1006
pull1D
Entries 79
Mean −0.0007818
Std Dev 0.318



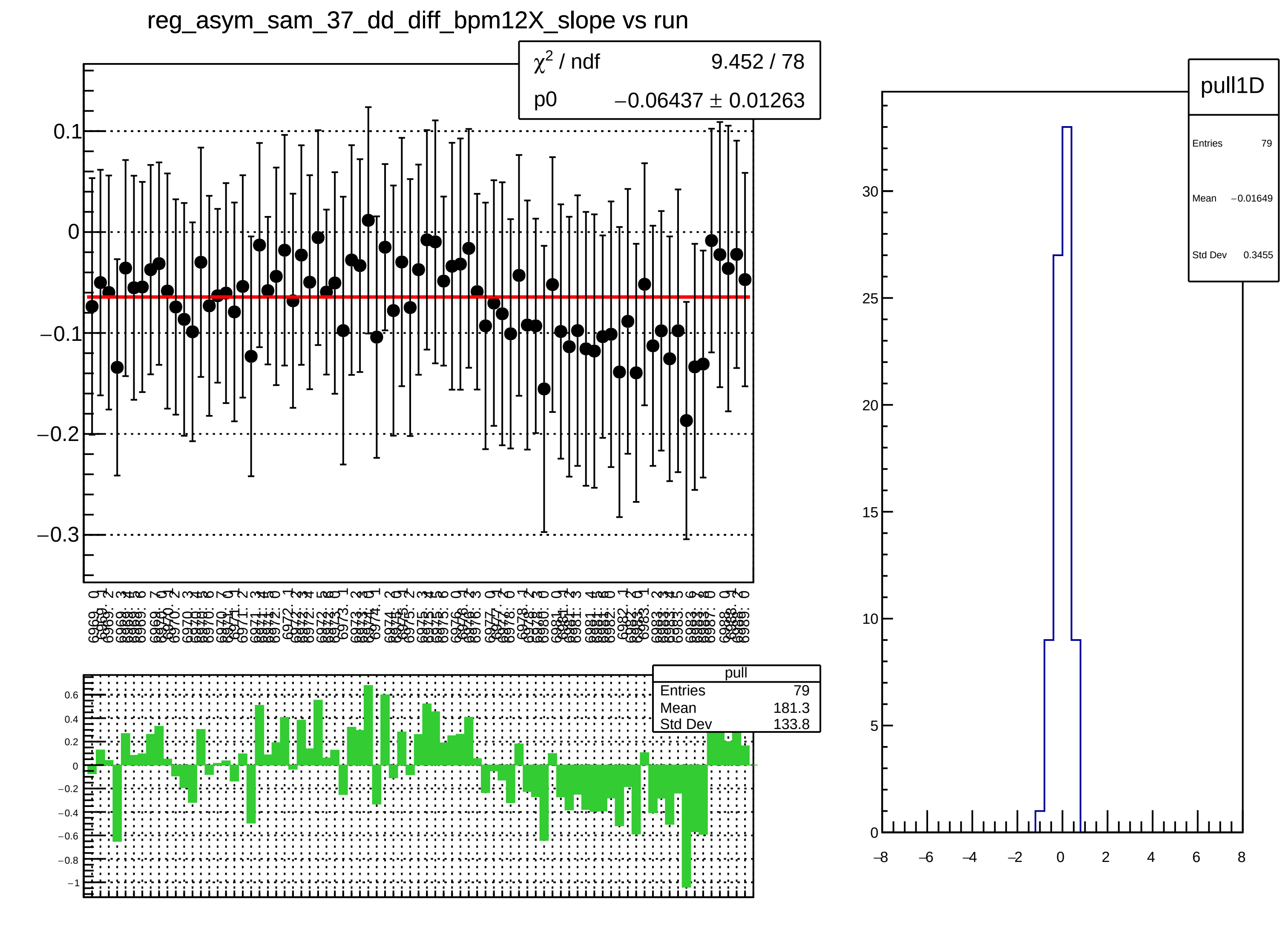
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 3.522 / 78
p0 −6.409 ± 0.289
pull
Entries 79
Mean 123.9
Std Dev 87.41
pull1D
Entries 79
Mean −0.01643
Std Dev 0.2105



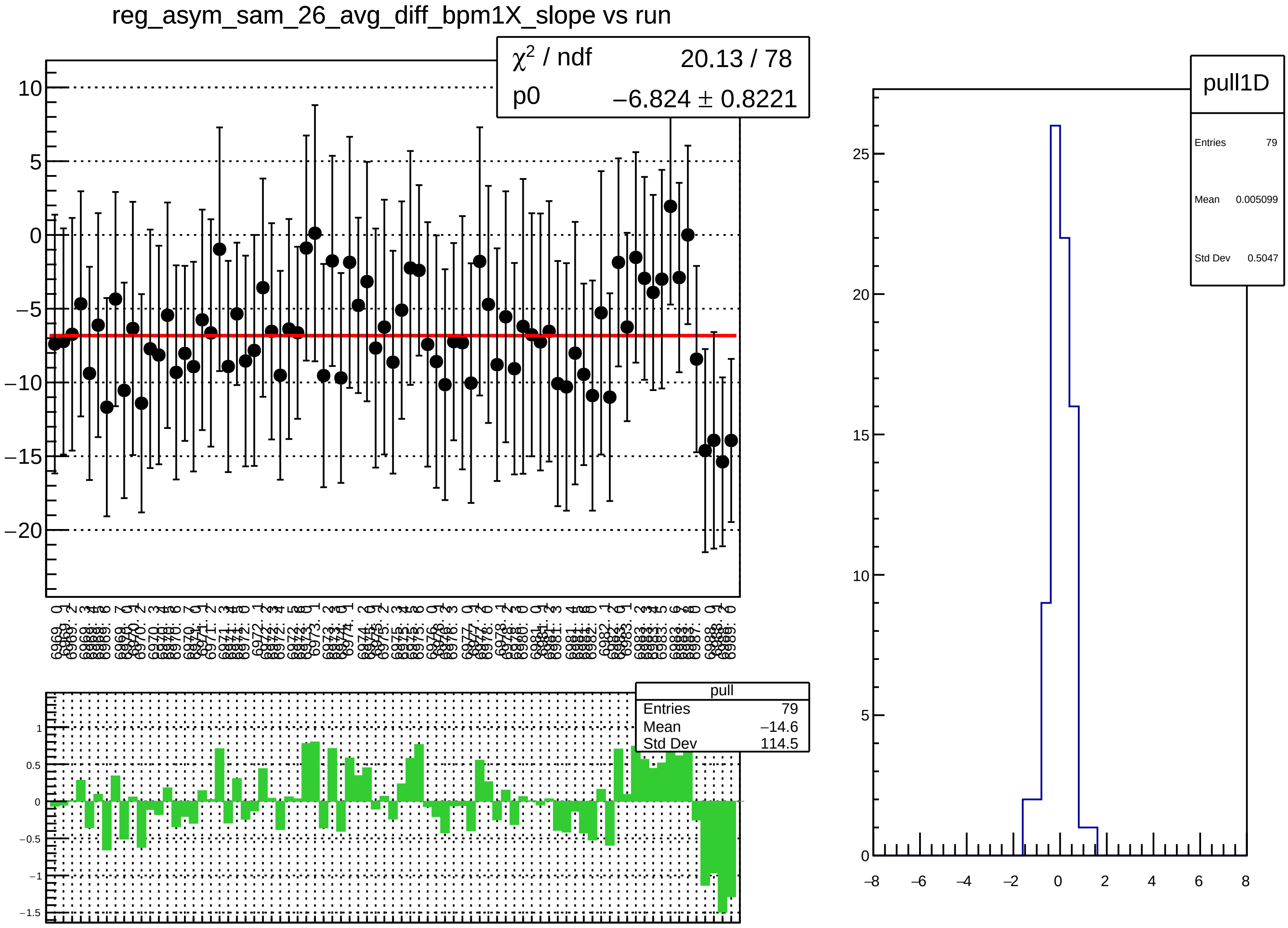
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ2 / ndf 11.05 / 78
p0 −12.28 ± 0.3746
pull
Entries 79
Mean 99.87
Std Dev 74.81
pull1D
Entries 79
Mean −0.01386
Std Dev 0.3738

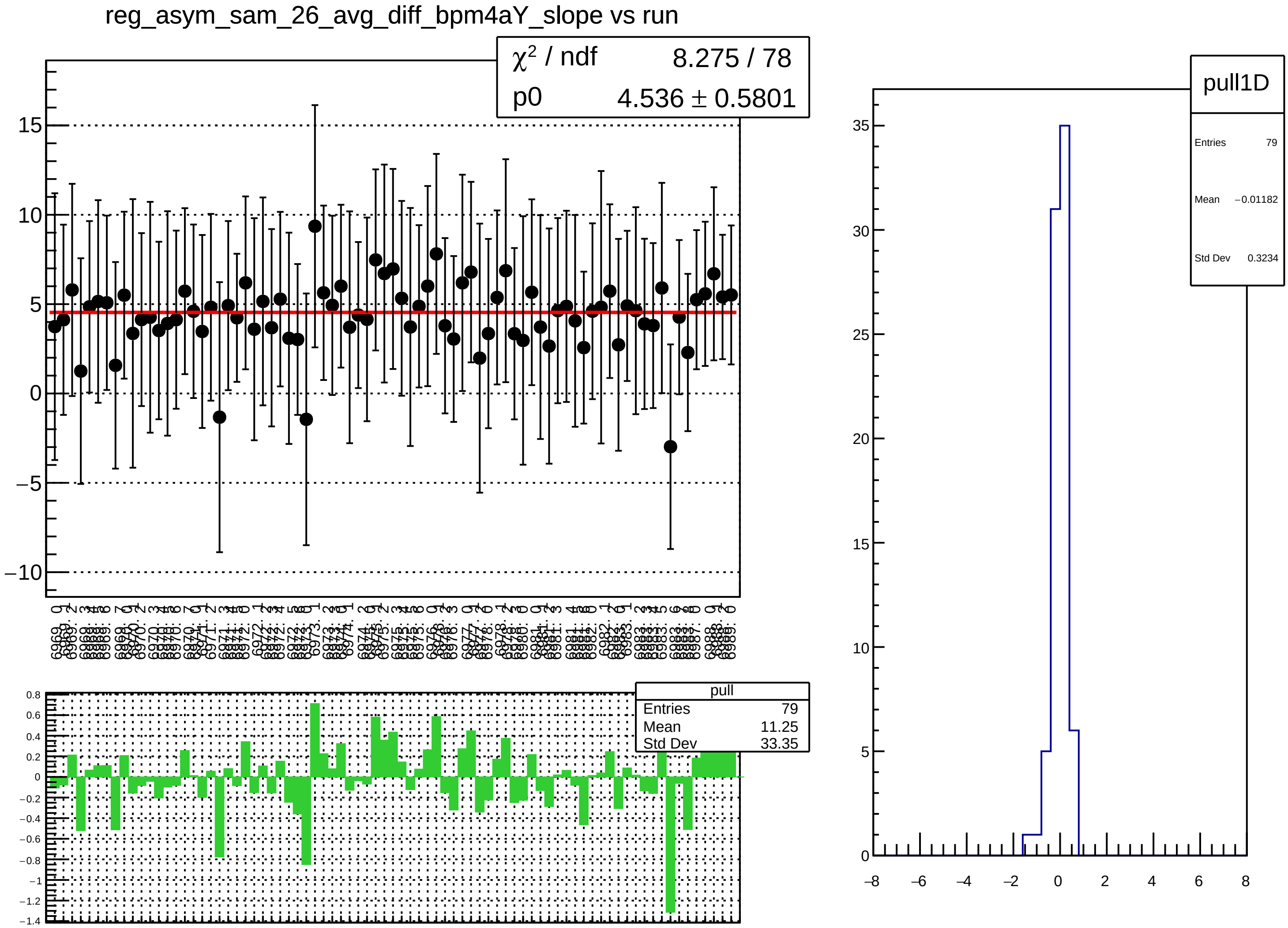


reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 4.778 / 78
p0 20.71 ± 0.3315
pull
Entries 79
Mean 179.7
Std Dev 142
pull1D
Entries 79
Mean 0.0161
Std Dev 0.2454

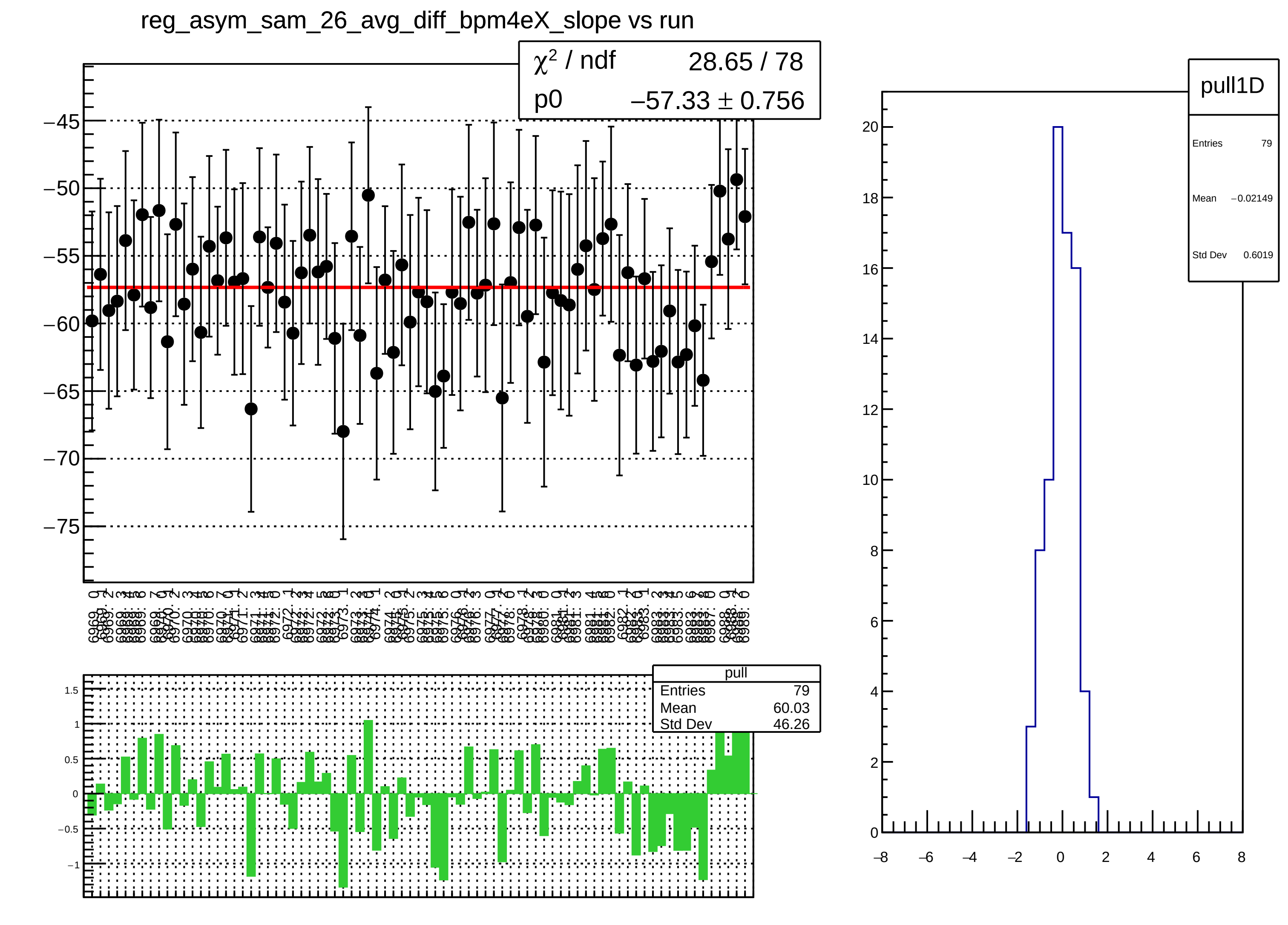


reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.452 / 78
p0 −0.06437 ± 0.01263
pull
Entries 79
Mean 181.3
Std Dev 133.8
pull1D
Entries 79
Mean −0.01649
Std Dev 0.3455

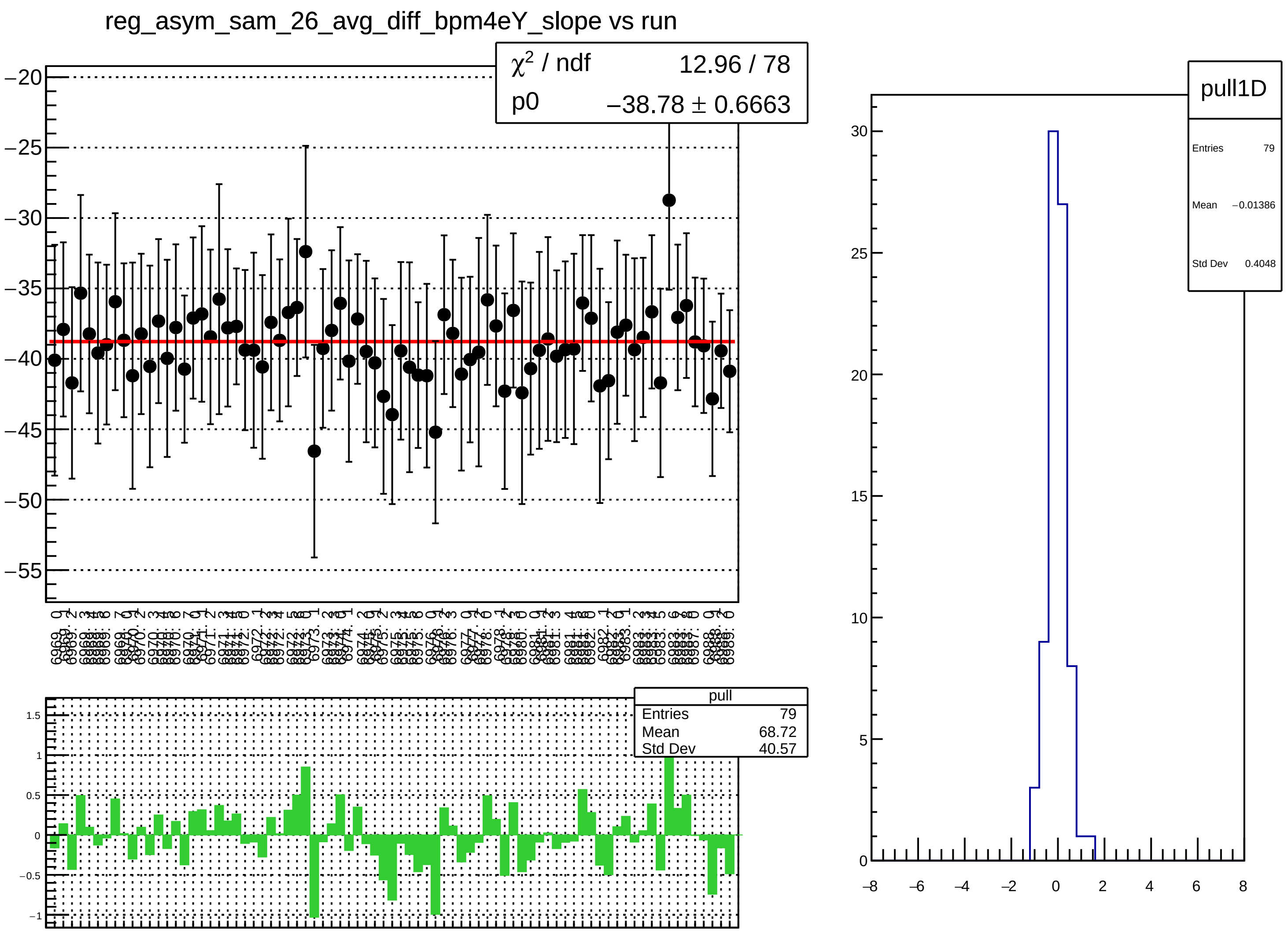

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 20.13 / 78
p0 −6.824 ± 0.8221
pull
Entries 79
Mean −14.6
Std Dev 114.5
pull1D
Entries 79
Mean 0.005099
Std Dev 0.5047



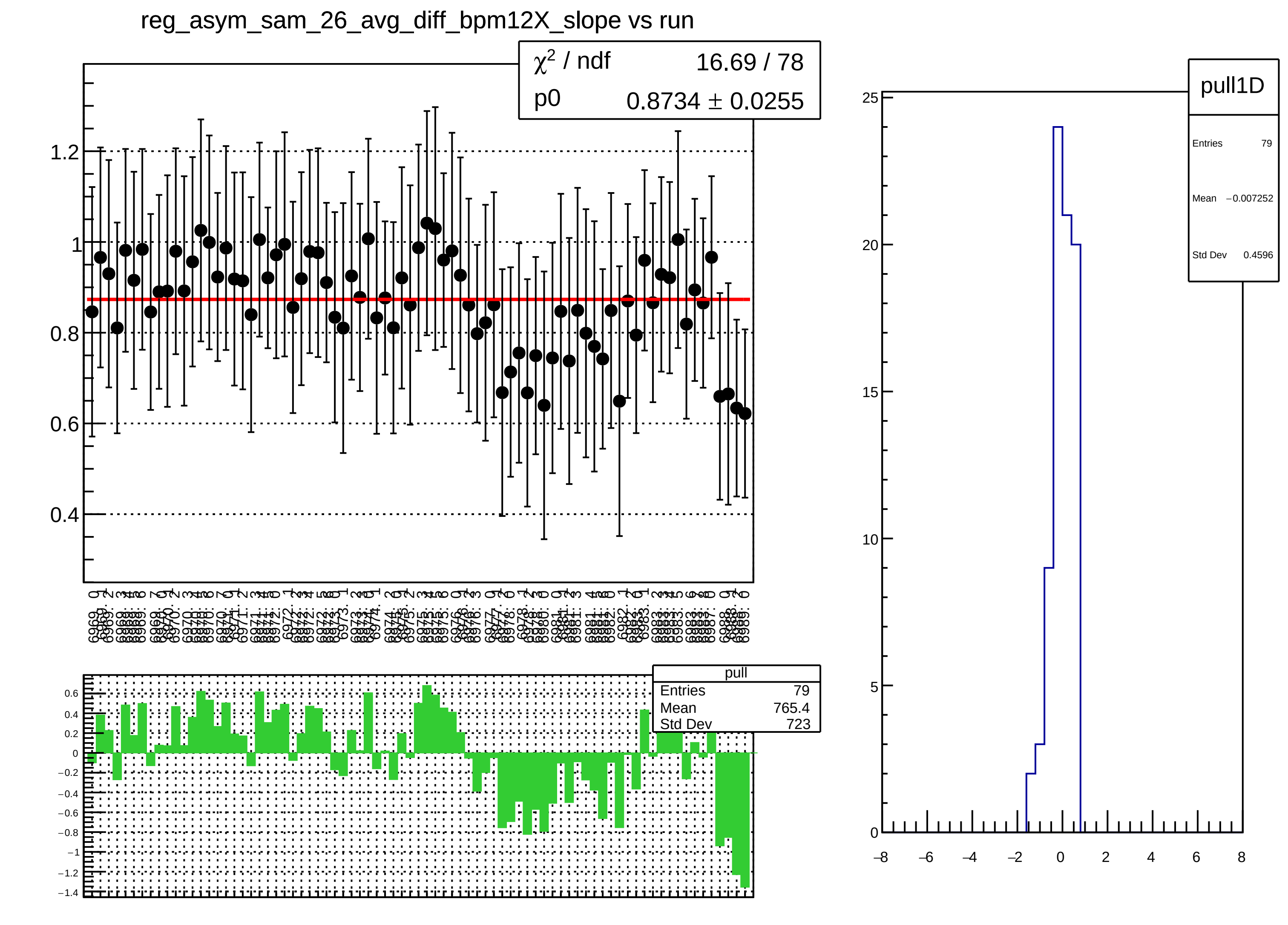
reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ2 / ndf 8.275 / 78
p0 4.536 ± 0.5801
pull
Entries 79
Mean 11.25
Std Dev 33.35
pull1D
Entries 79
Mean −0.01182
Std Dev 0.3234

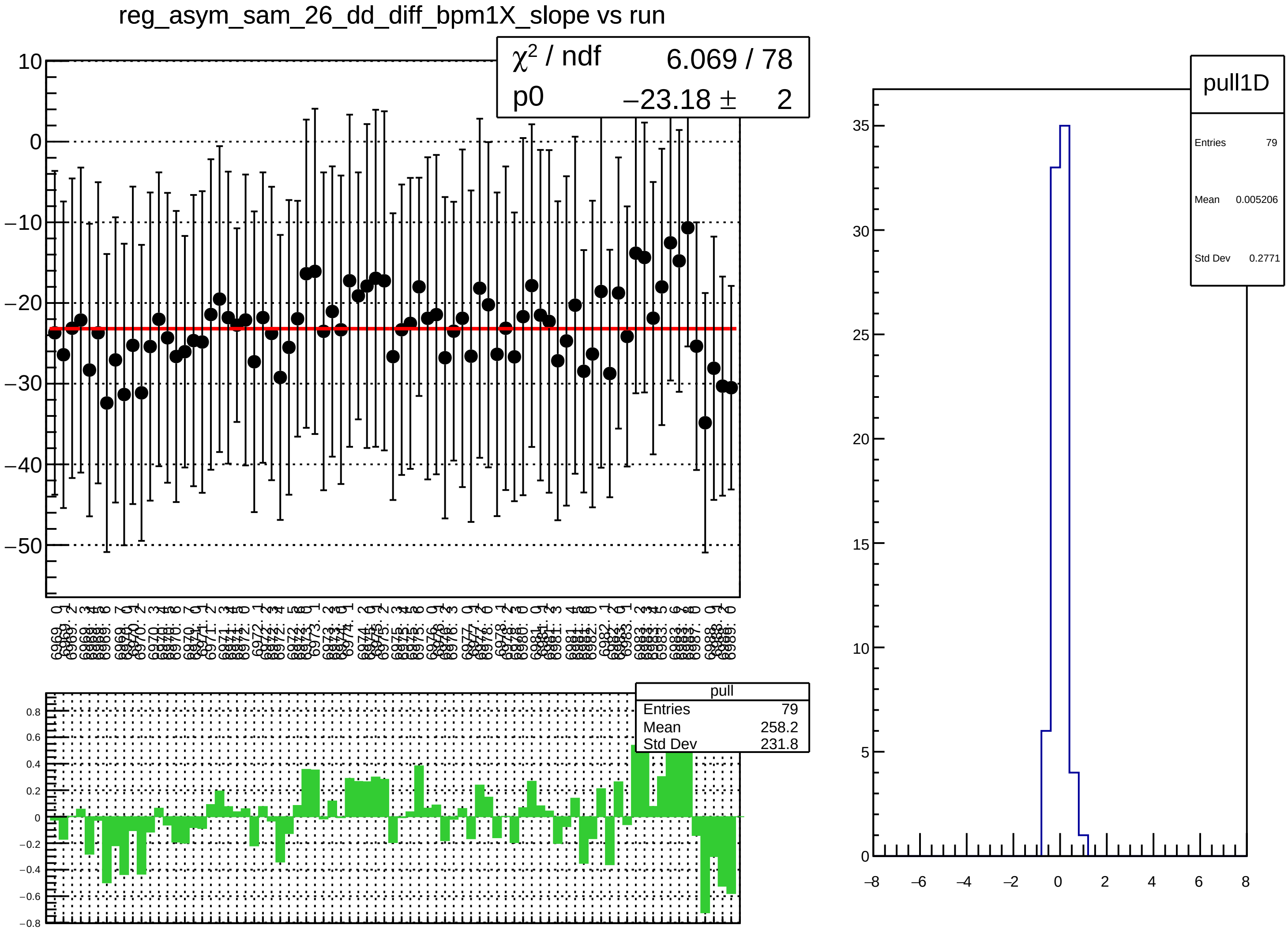


reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 28.65 / 78
p0 −57.33 ± 0.756
pull
Entries 79
Mean 60.03
Std Dev 46.26
pull1D
Entries 79
Mean −0.02149
Std Dev 0.6019

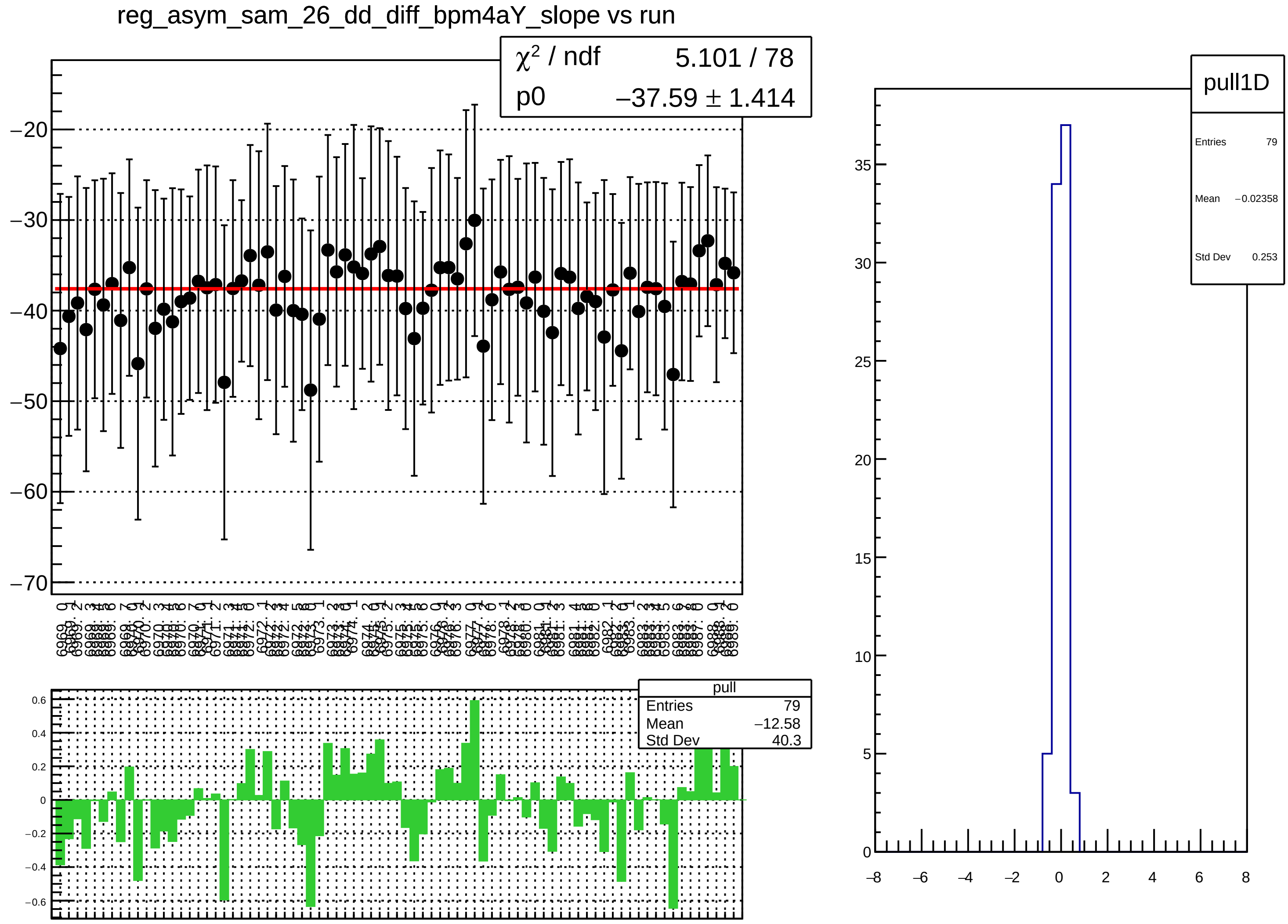


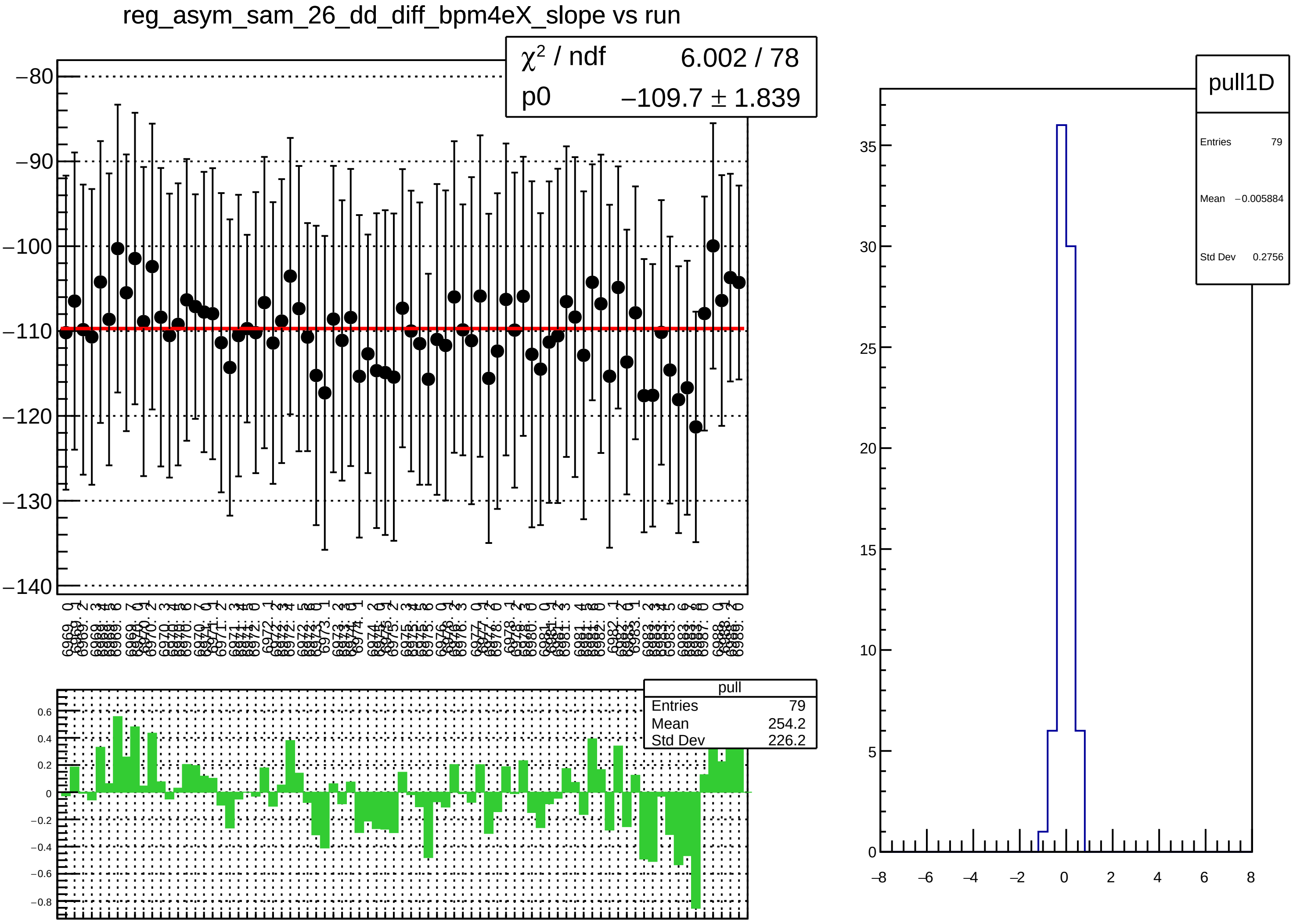
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 12.96 / 78
p0 −38.78 ± 0.6663
pull
Entries 79
Mean 68.72
Std Dev 40.57
pull1D
Entries 79
Mean −0.01386
Std Dev 0.4048


reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 16.69 / 78
p0 0.8734 ± 0.0255
pull
Entries 79
Mean 765.4
Std Dev 723
pull1D
Entries 79
Mean −0.007252
Std Dev 0.4596

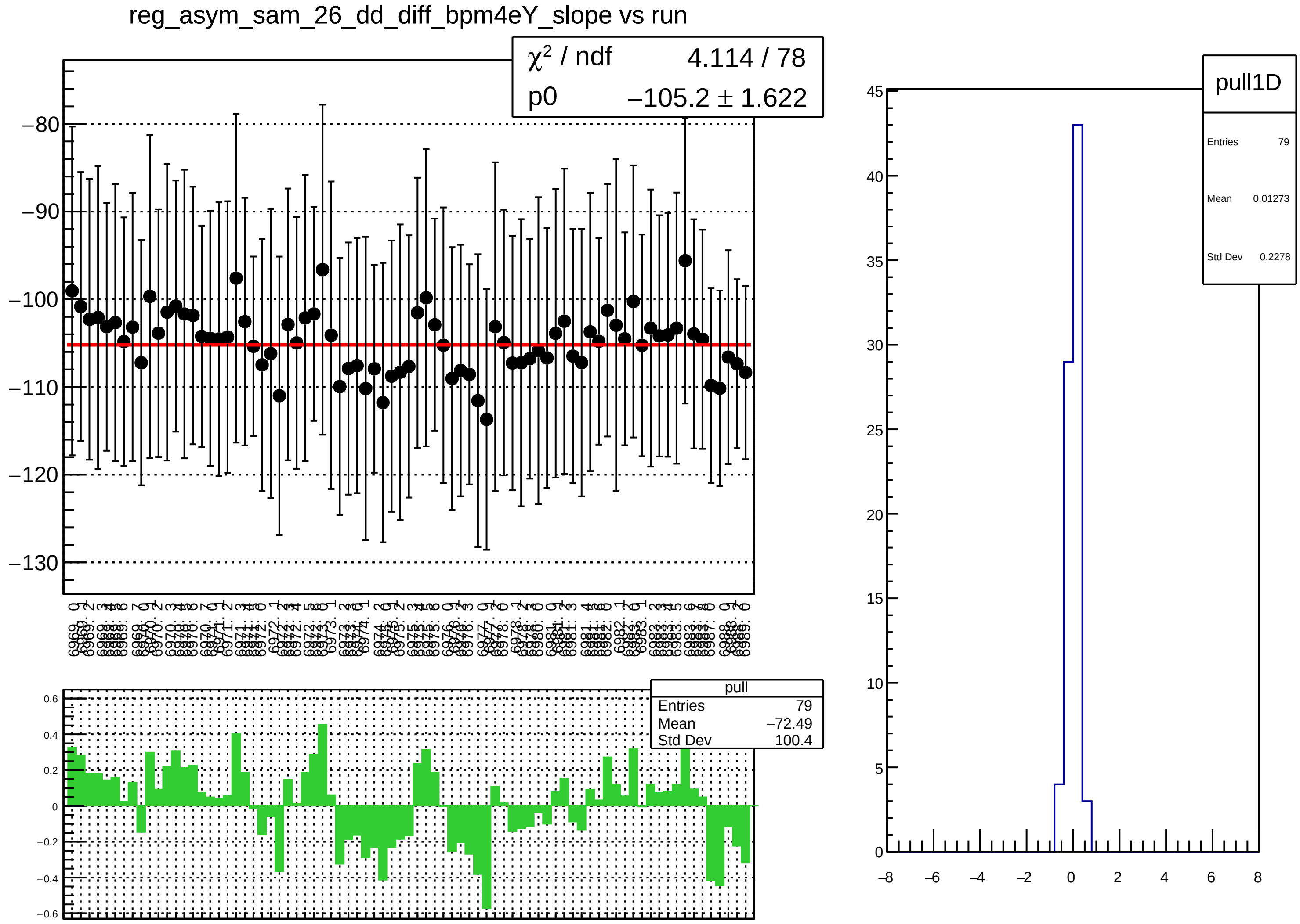


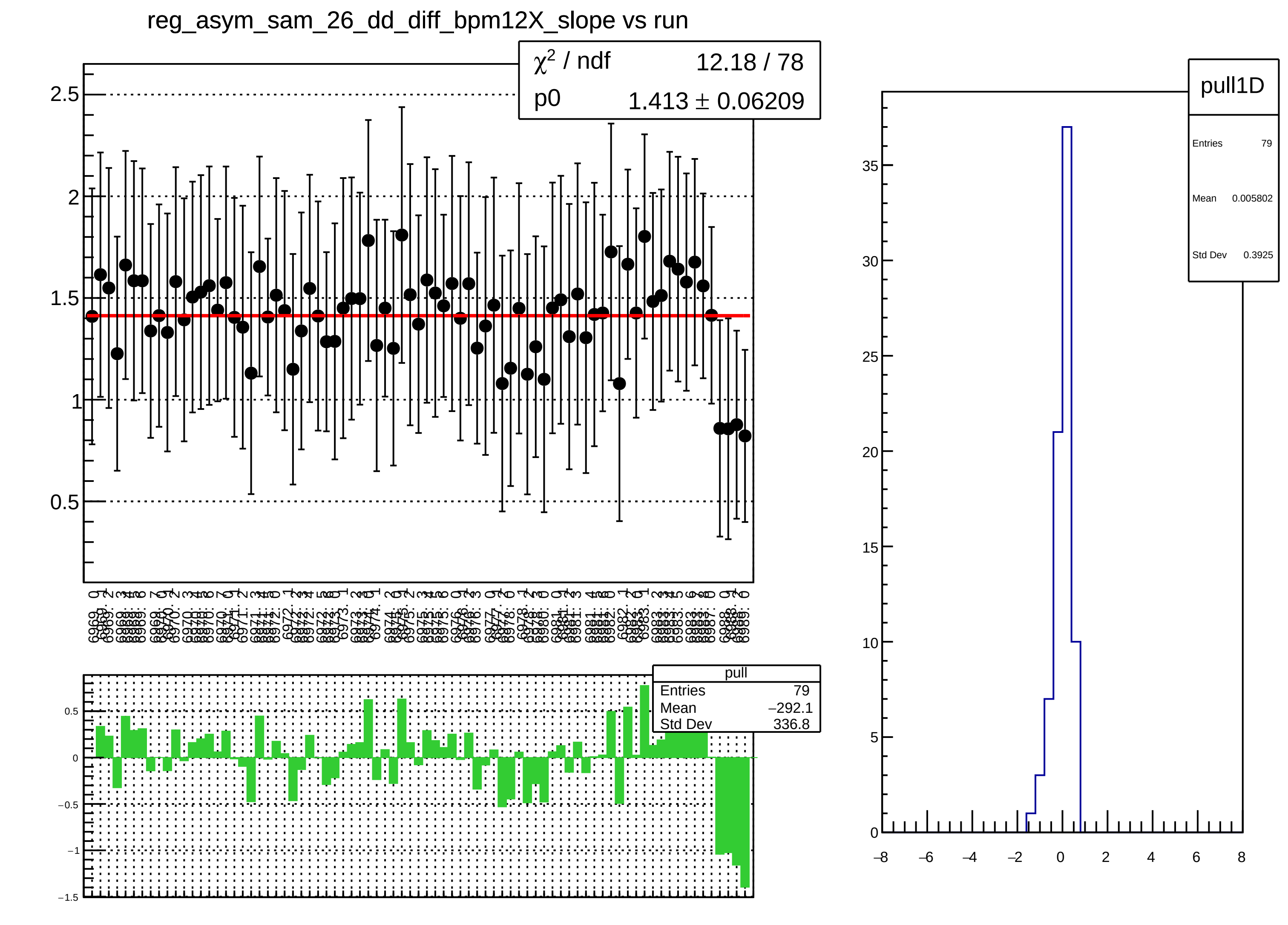
reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 6.069 / 78
p0 −23.18 ± 2
pull
Entries 79
Mean 258.2
Std Dev 231.8
pull1D
Entries 79
Mean 0.005206
Std Dev 0.2771


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

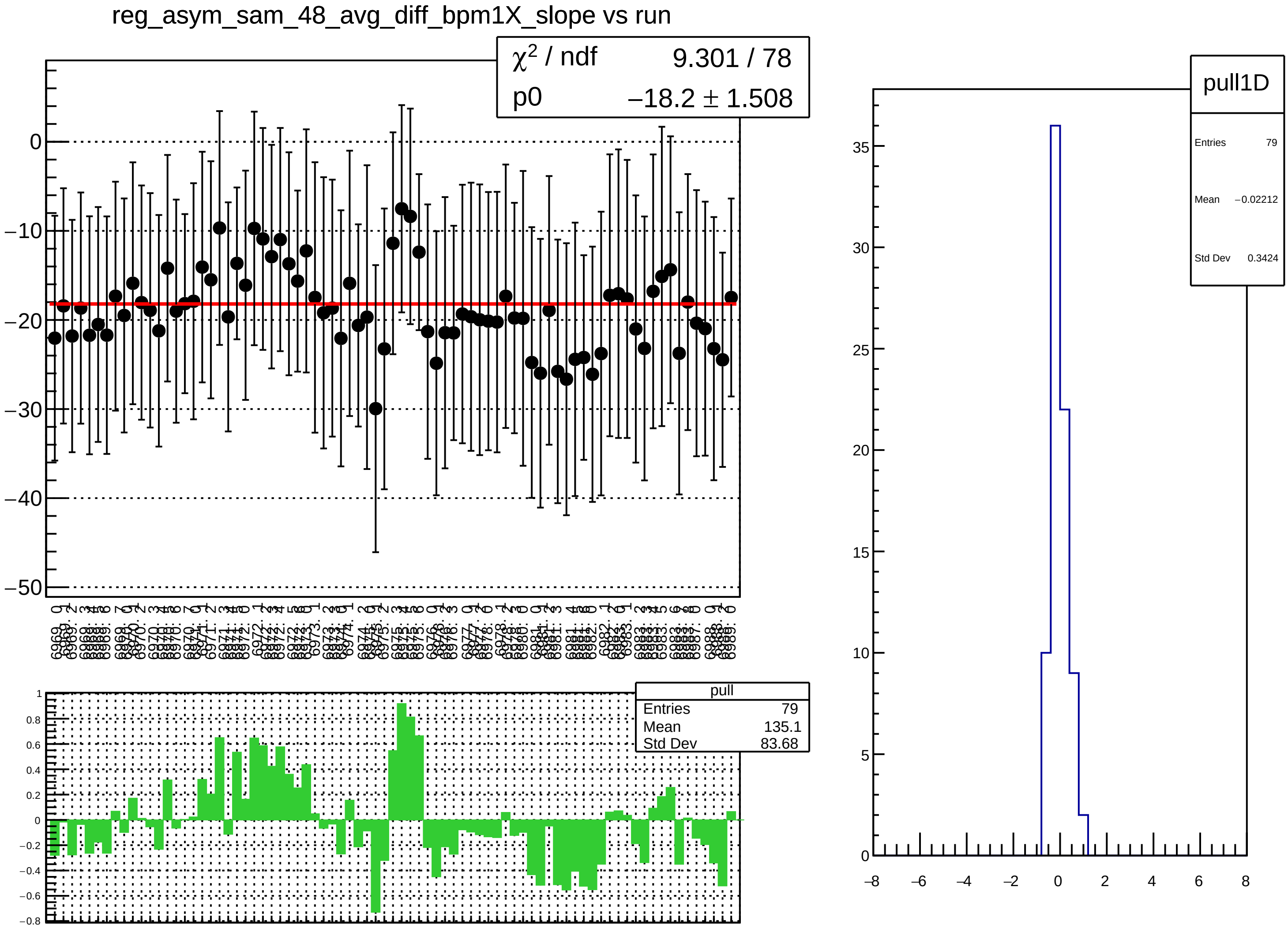


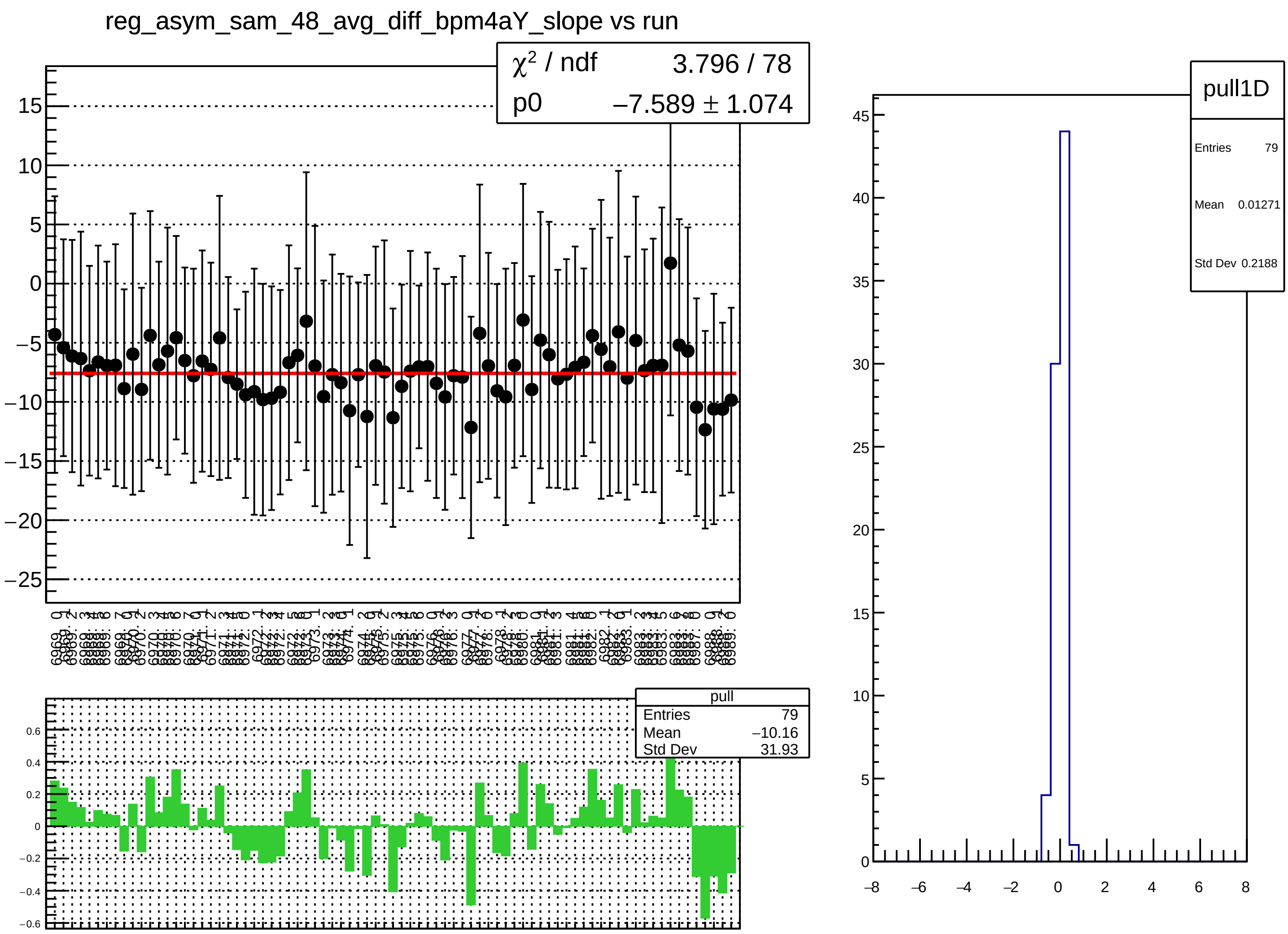
reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 6.002 / 78
p0 −109.7 ± 1.839
pull
Entries 79
Mean 254.2
Std Dev 226.2
pull1D
Entries 79
Mean −0.005884
Std Dev 0.2756


reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.114 / 78
p0 −105.2 ± 1.622
pull
Entries 79
Mean −72.49
Std Dev 100.4
pull1D
Entries 79
Mean 0.01273
Std Dev 0.2278

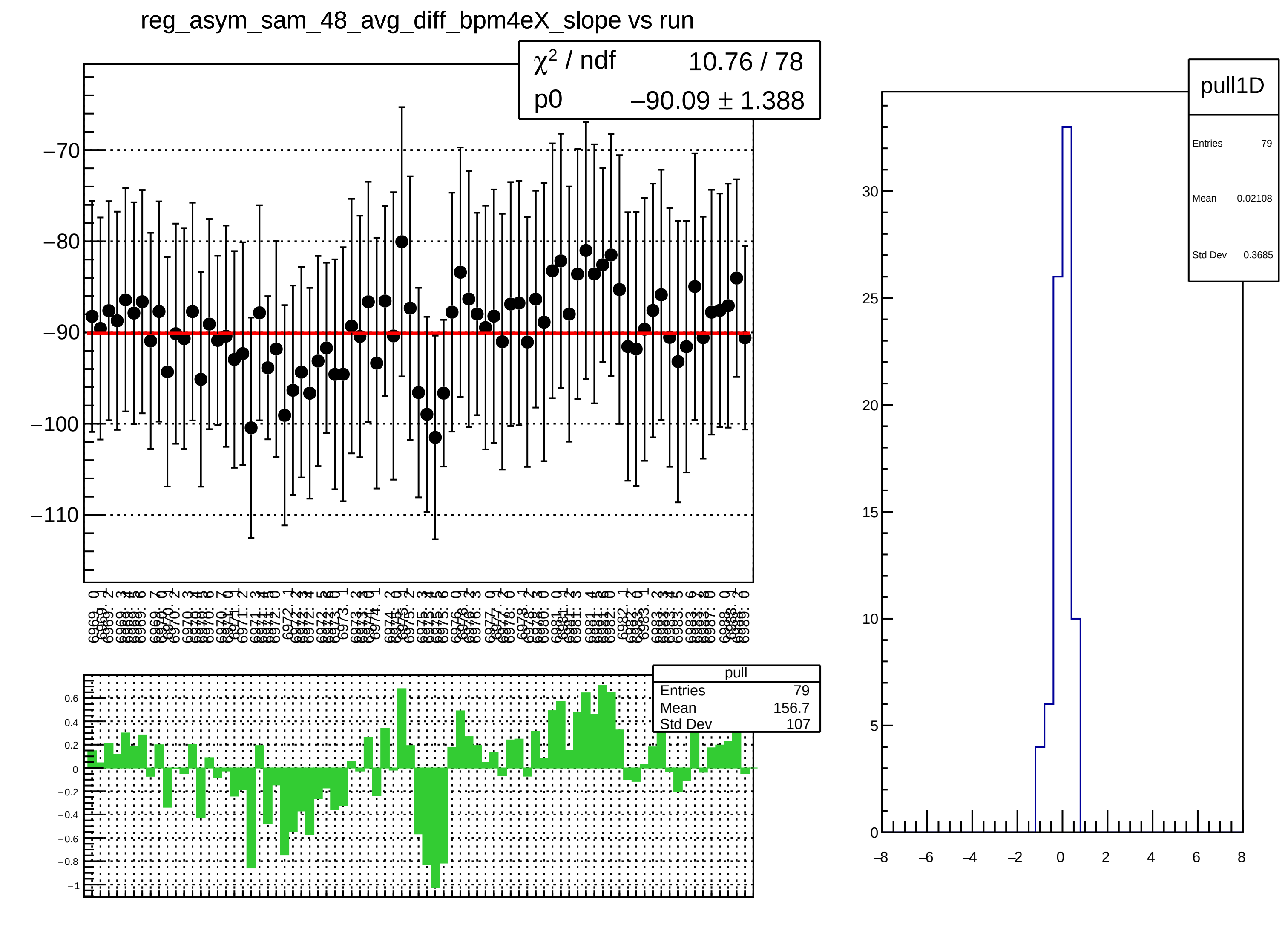


reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ2 / ndf 12.18 / 78
p0 1.413 ± 0.06209
pull
Entries 79
Mean −292.1
Std Dev 336.8
pull1D
Entries 79
Mean 0.005802
Std Dev 0.3925

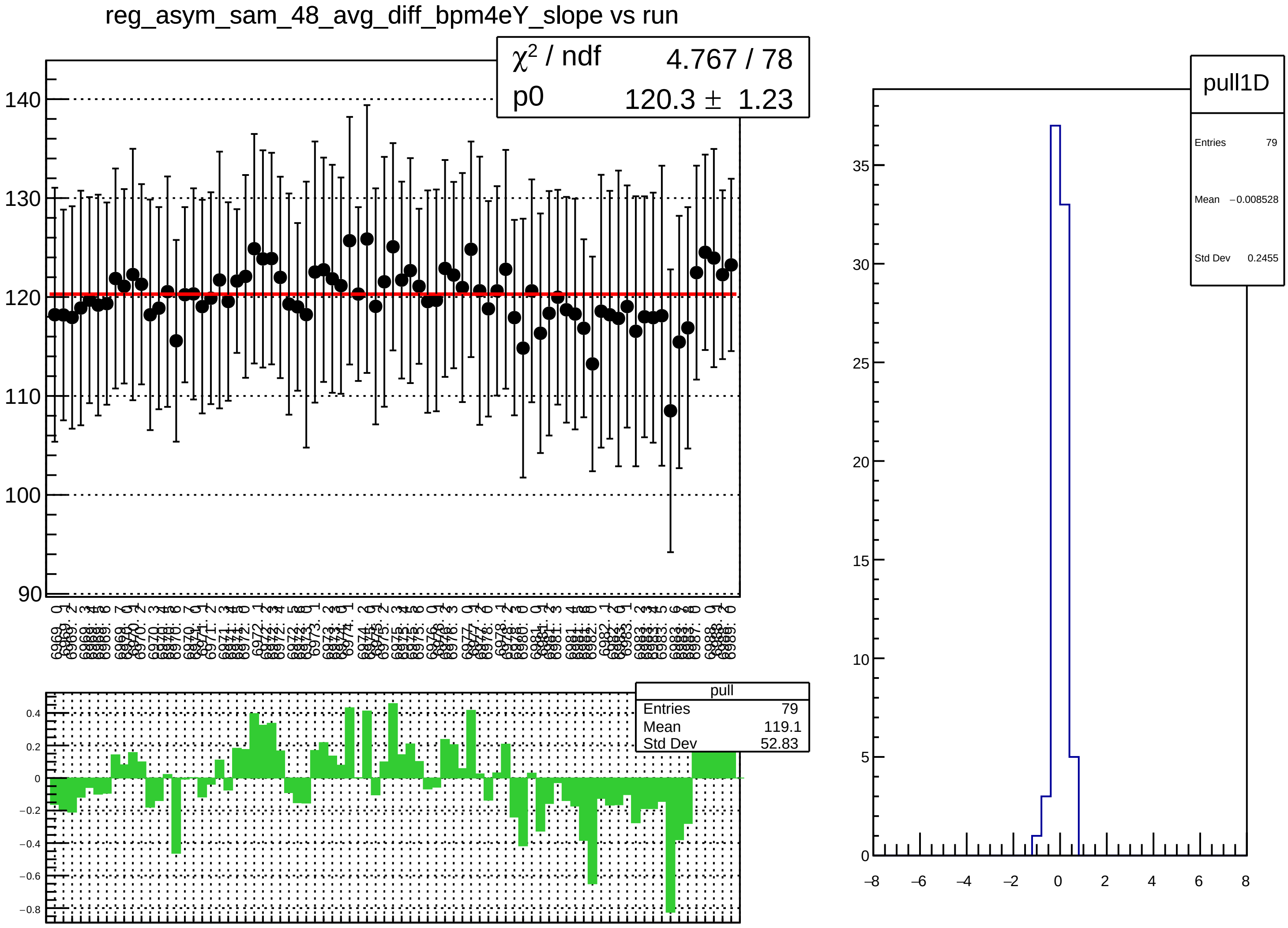

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ2 / ndf 9.301 / 78
p0 −18.2 ± 1.508
pull
Entries 79
Mean 135.1
Std Dev 83.68
pull1D
Entries 79
Mean −0.02212
Std Dev 0.3424



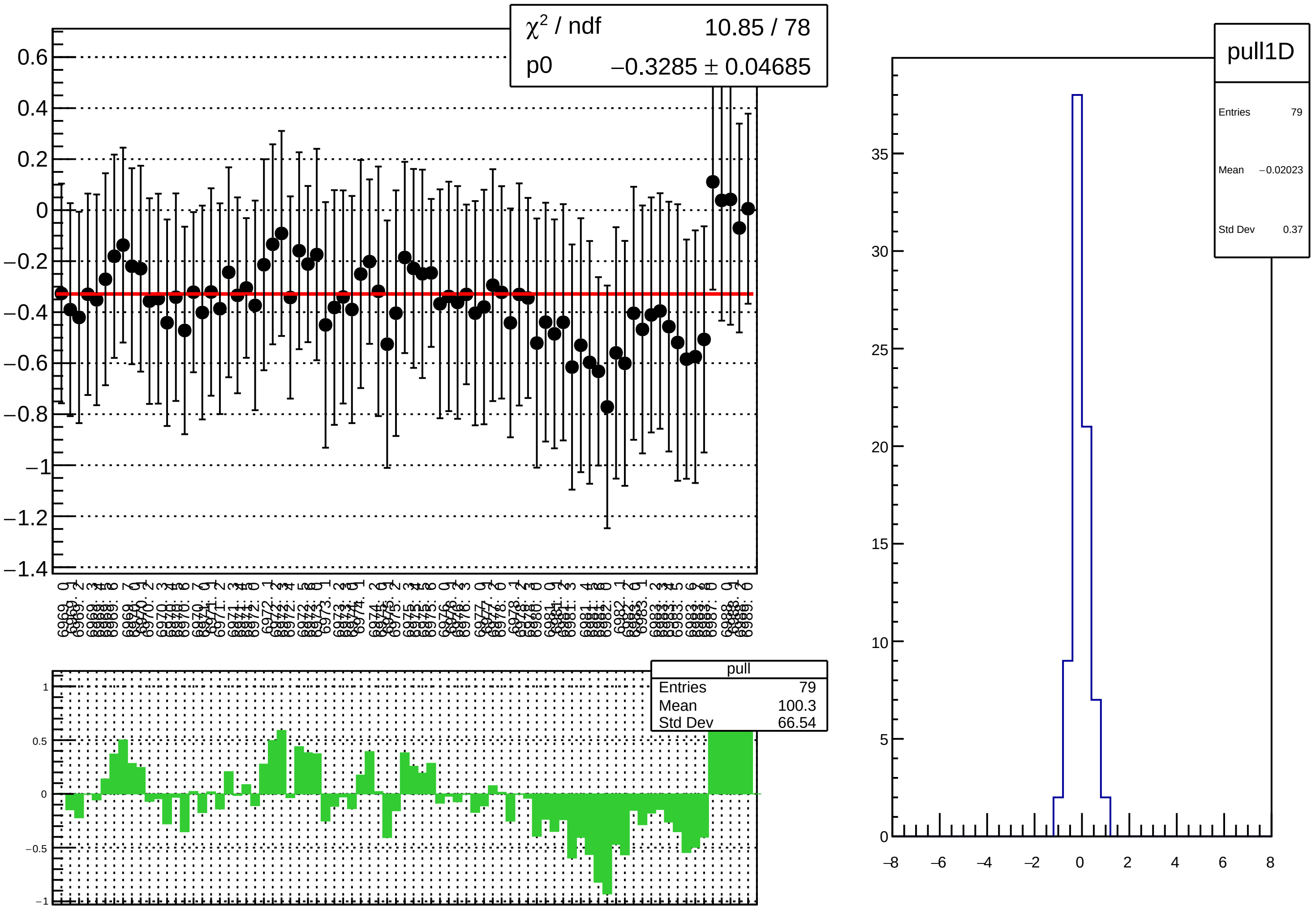
reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.796 / 78
p0 −7.589 ± 1.074
pull
Entries 79
Mean −10.16
Std Dev 31.93
pull1D
Entries 79
Mean 0.01271
Std Dev 0.2188

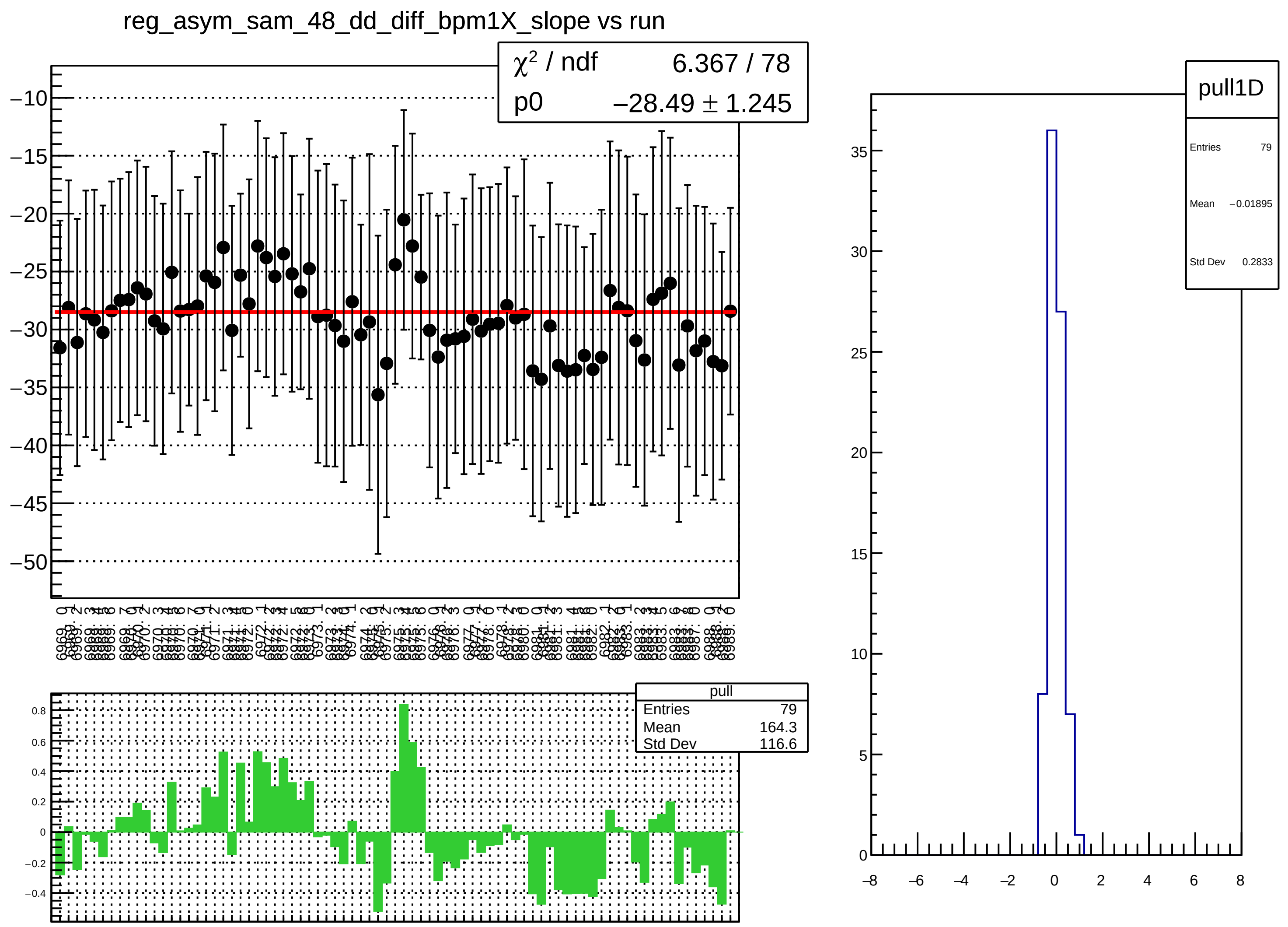


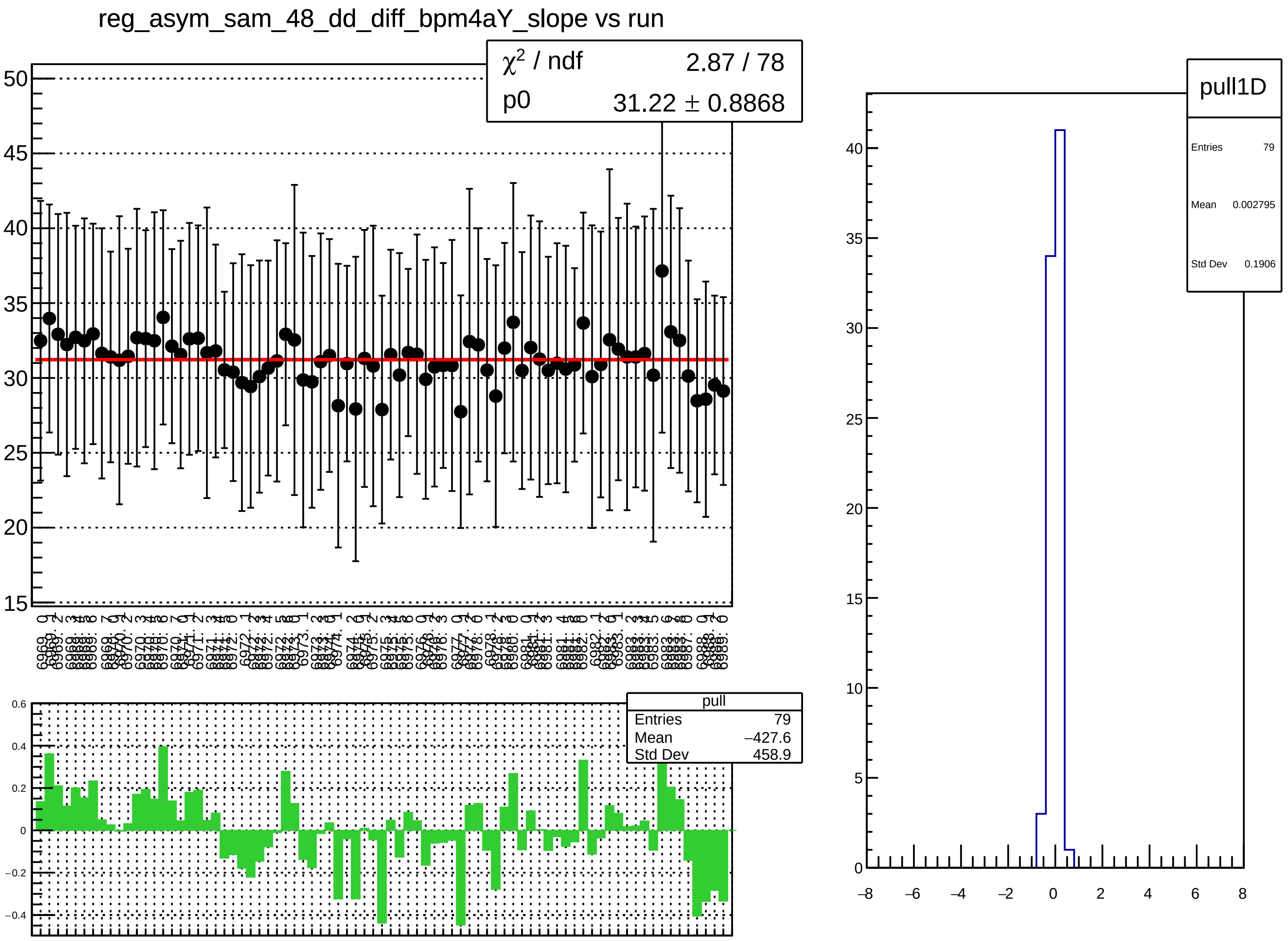
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ2 / ndf 10.76 / 78
p0 −90.09 ± 1.388
pull
Entries 79
Mean 156.7
Std Dev 107
pull1D
Entries 79
Mean 0.02108
Std Dev 0.3685


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

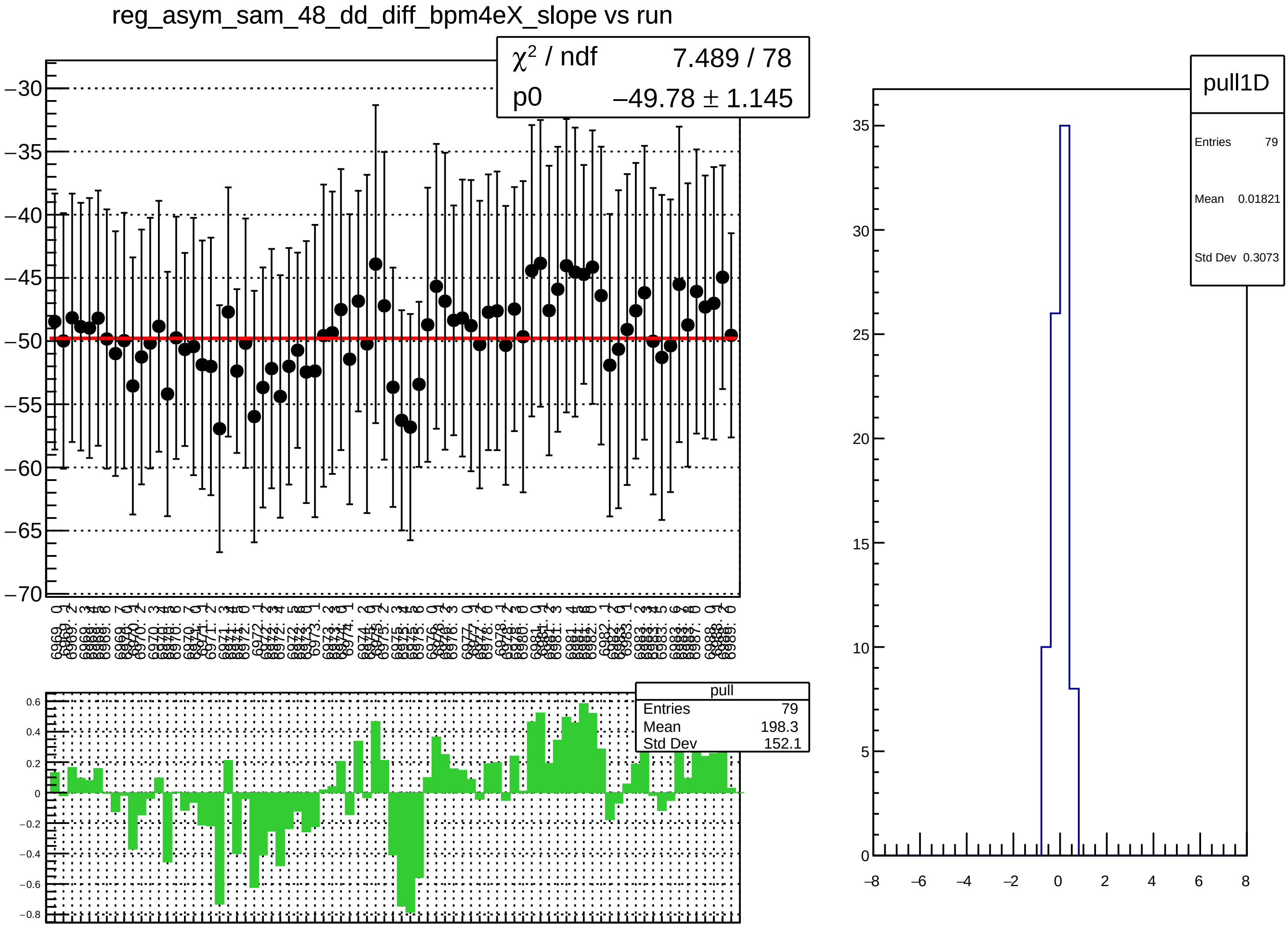
reg_asym_sam_48_avg_diff_bpm12X_slope vs run

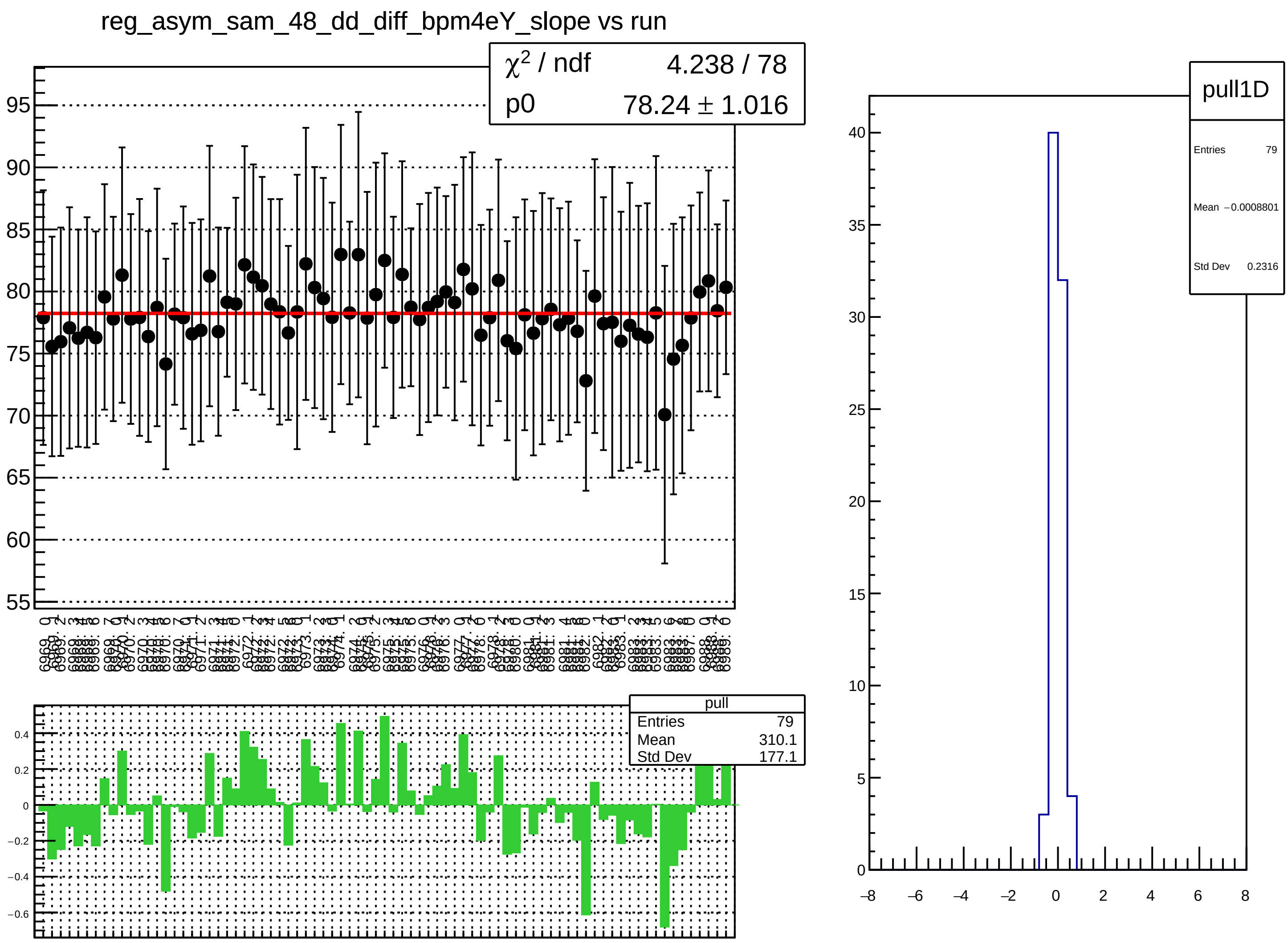



reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 6.367 / 78
p0 −28.49 ± 1.245
pull
Entries 79
Mean 164.3
Std Dev 116.6
pull1D
Entries 79
Mean −0.01895
Std Dev 0.2833

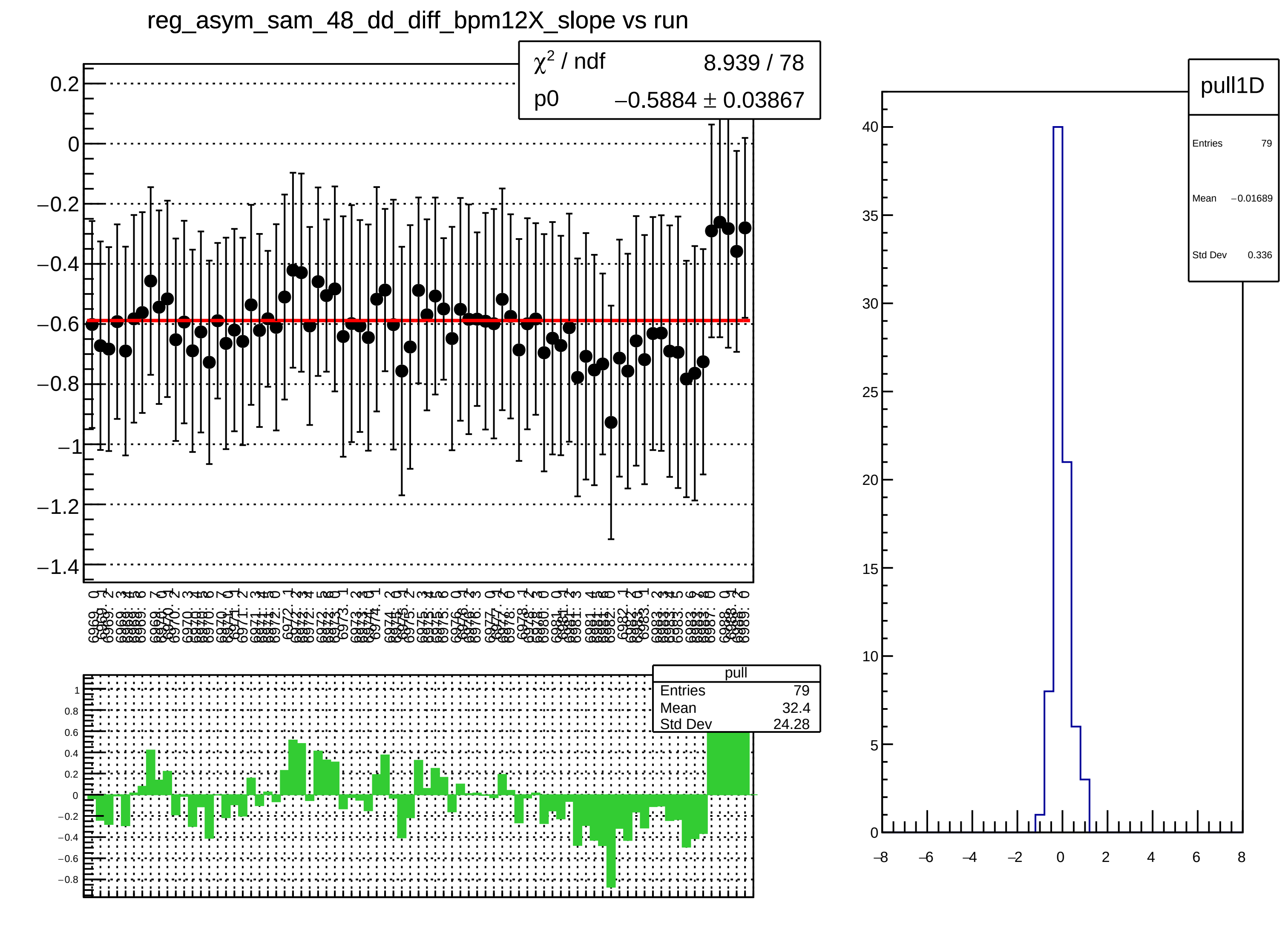


reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.87 / 78
p0 31.22 ± 0.8868
pull
Entries 79
Mean −427.6
Std Dev 458.9
pull1D
Entries 79
Mean 0.002795
Std Dev 0.1906

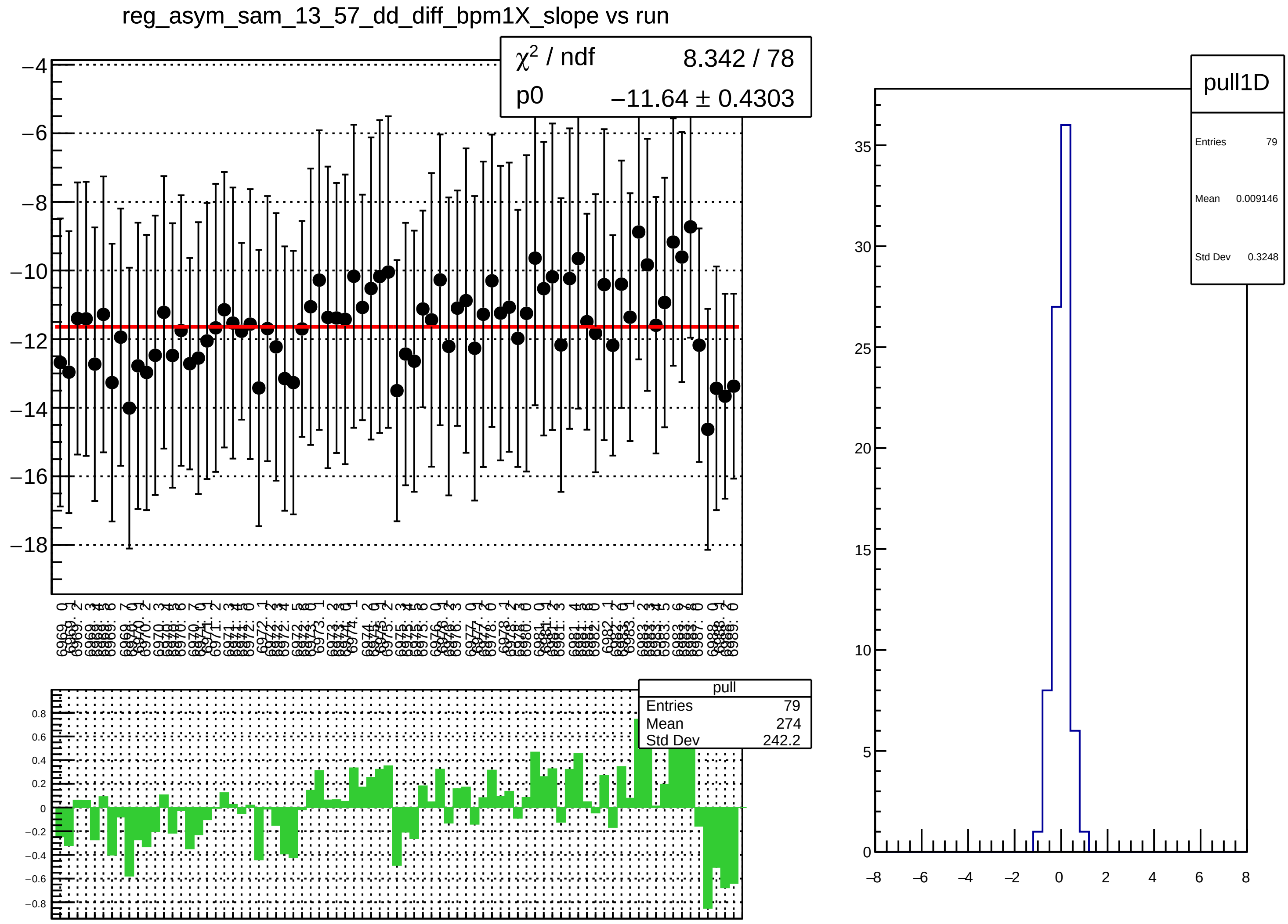

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.489 / 78
p0 −49.78 ± 1.145
pull
Entries 79
Mean 198.3
Std Dev 152.1
pull1D
Entries 79
Mean 0.01821
Std Dev 0.3073



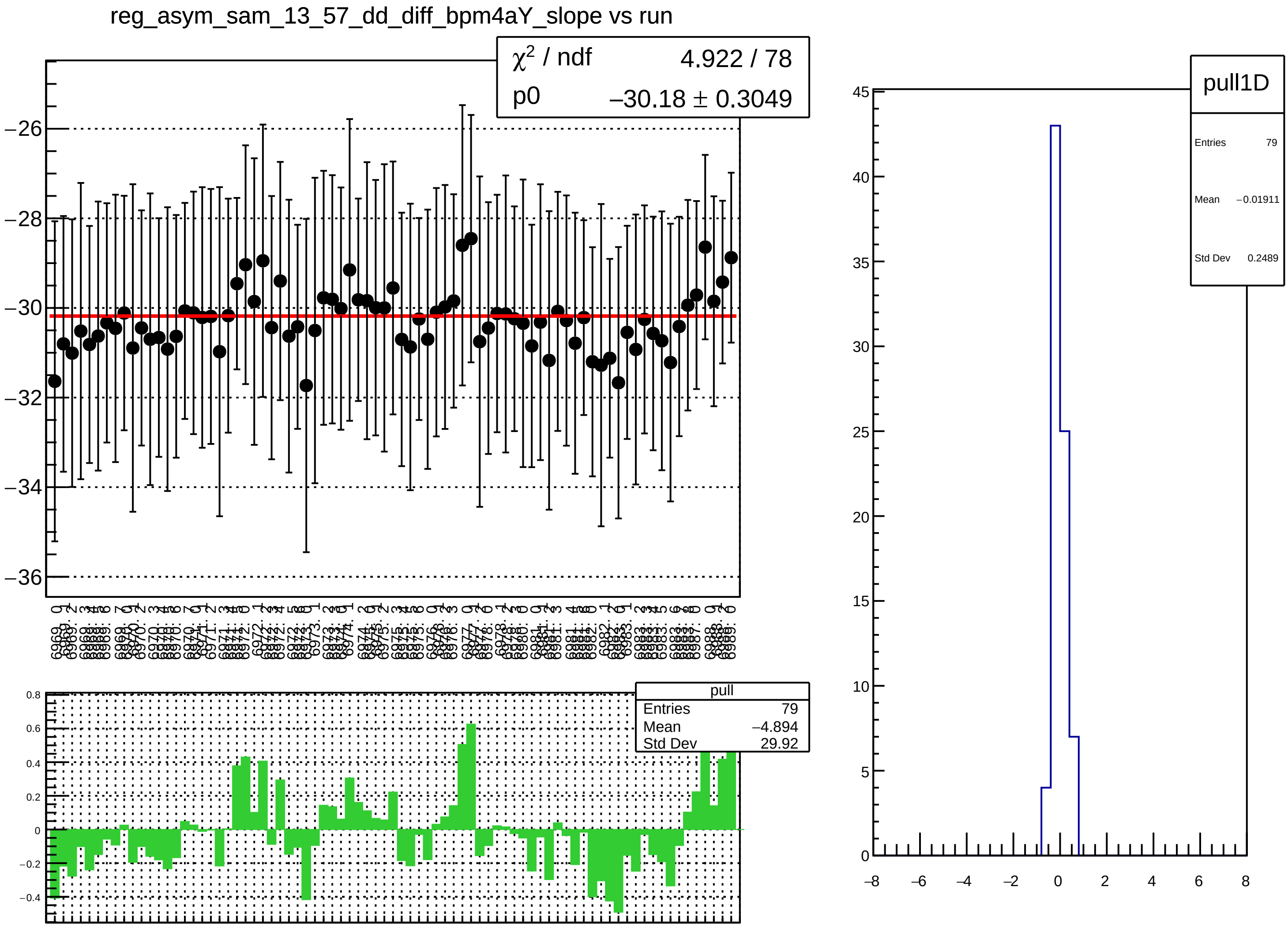
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.238 / 78
p0 78.24 ± 1.016
pull
Entries 79
Mean 310.1
Std Dev 177.1
pull1D
Entries 79
Mean −0.0008801
Std Dev 0.2316



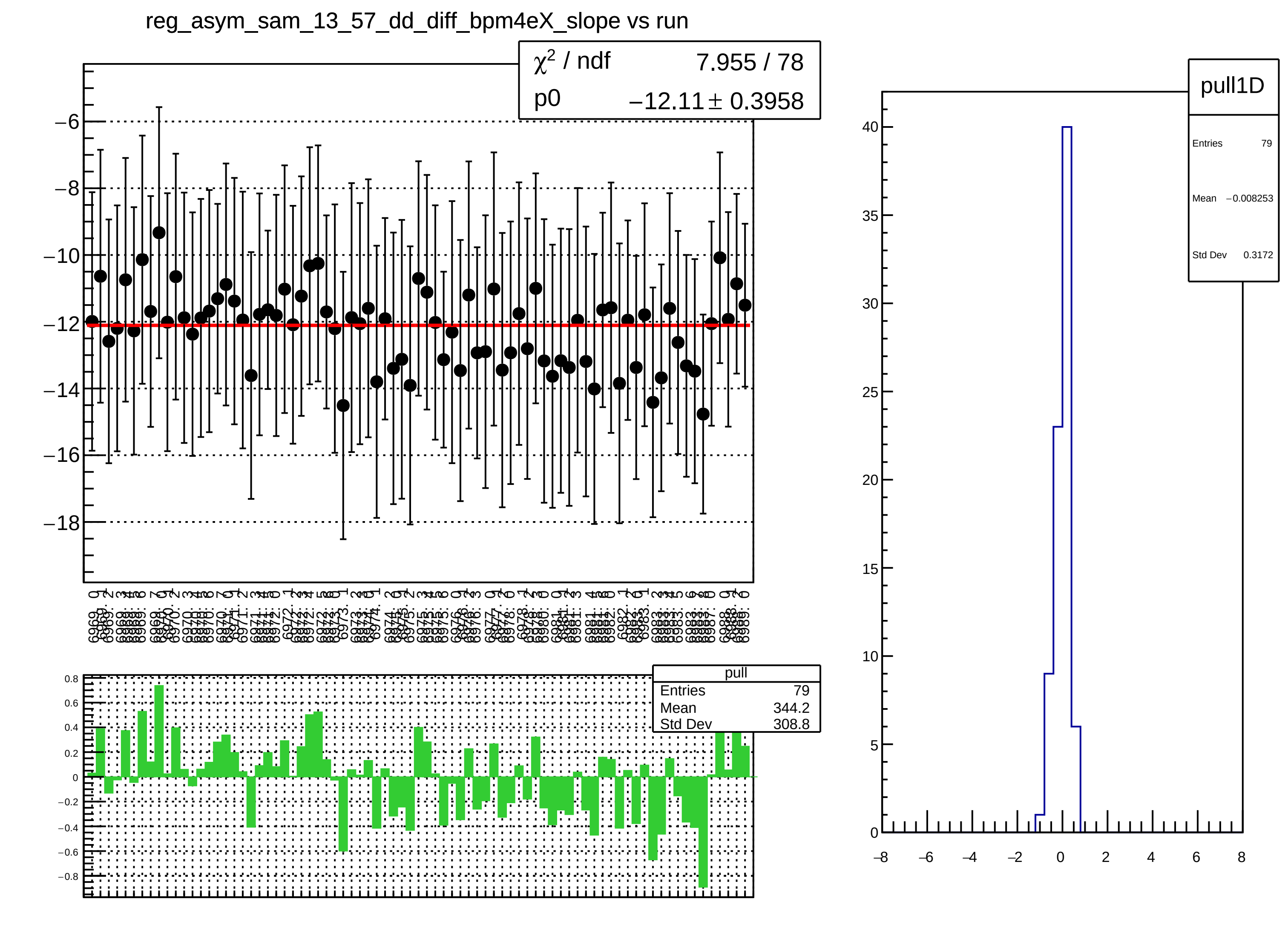
reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.939 / 78
p0 −0.5884 ± 0.03867
pull
Entries 79
Mean 32.4
Std Dev 24.28
pull1D
Entries 79
Mean −0.01689
Std Dev 0.336



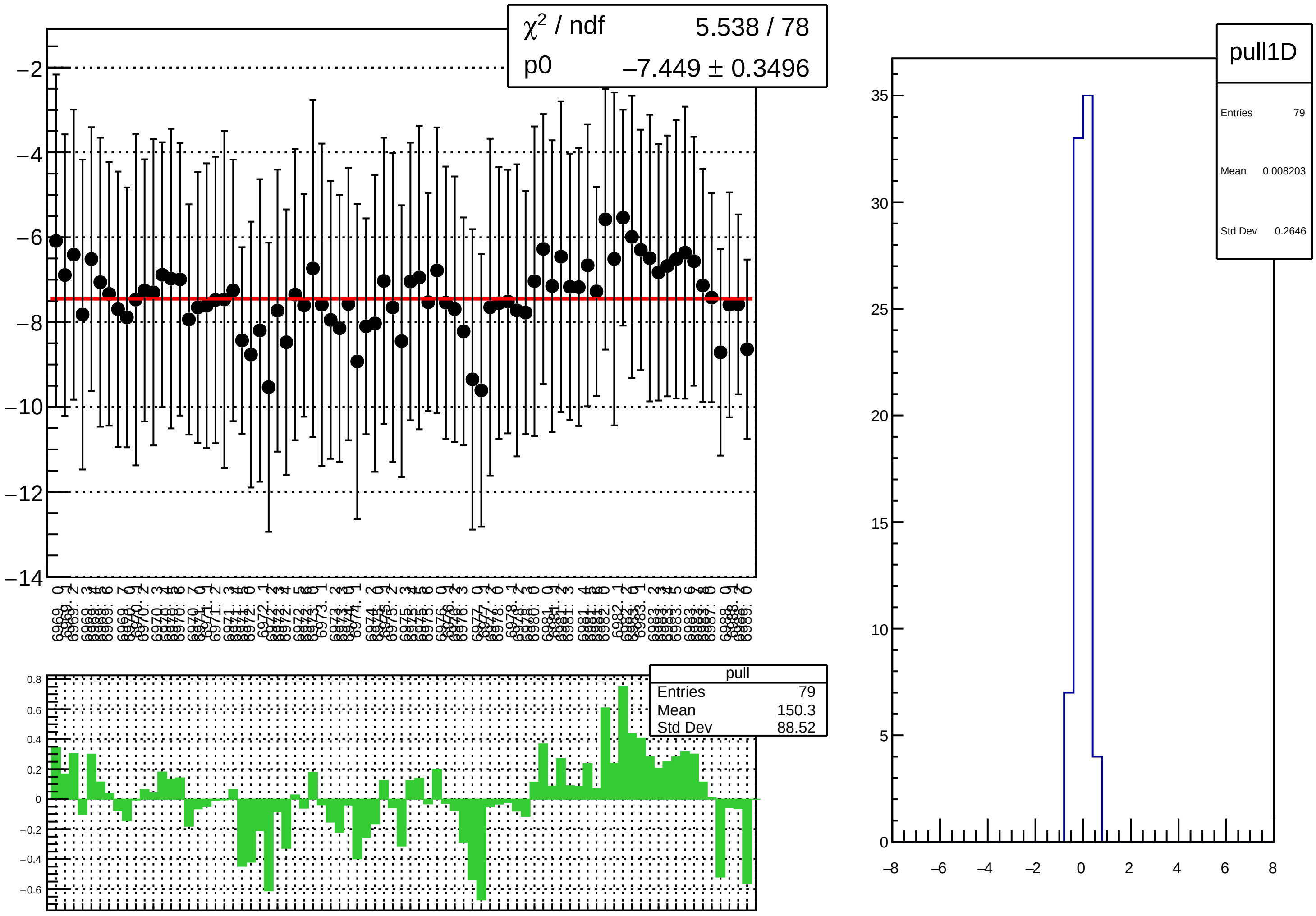
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.342 / 78
p0 −11.64 ± 0.4303
pull
Entries 79
Mean 274
Std Dev 242.2
pull1D
Entries 79
Mean 0.009146
Std Dev 0.3248

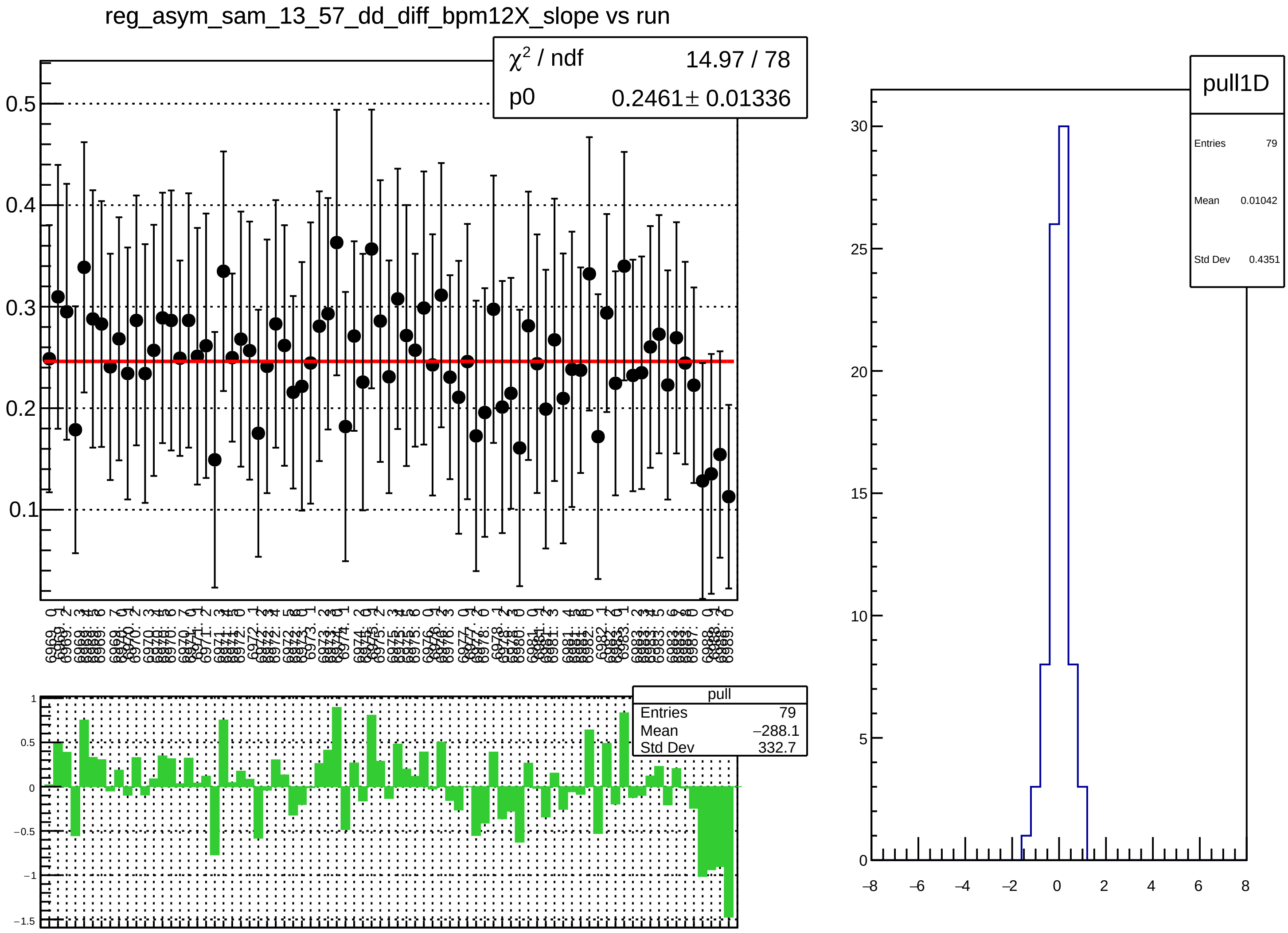


reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.922 / 78
p0 −30.18 ± 0.3049
pull
Entries 79
Mean −4.894
Std Dev 29.92
pull1D
Entries 79
Mean −0.01911
Std Dev 0.2489

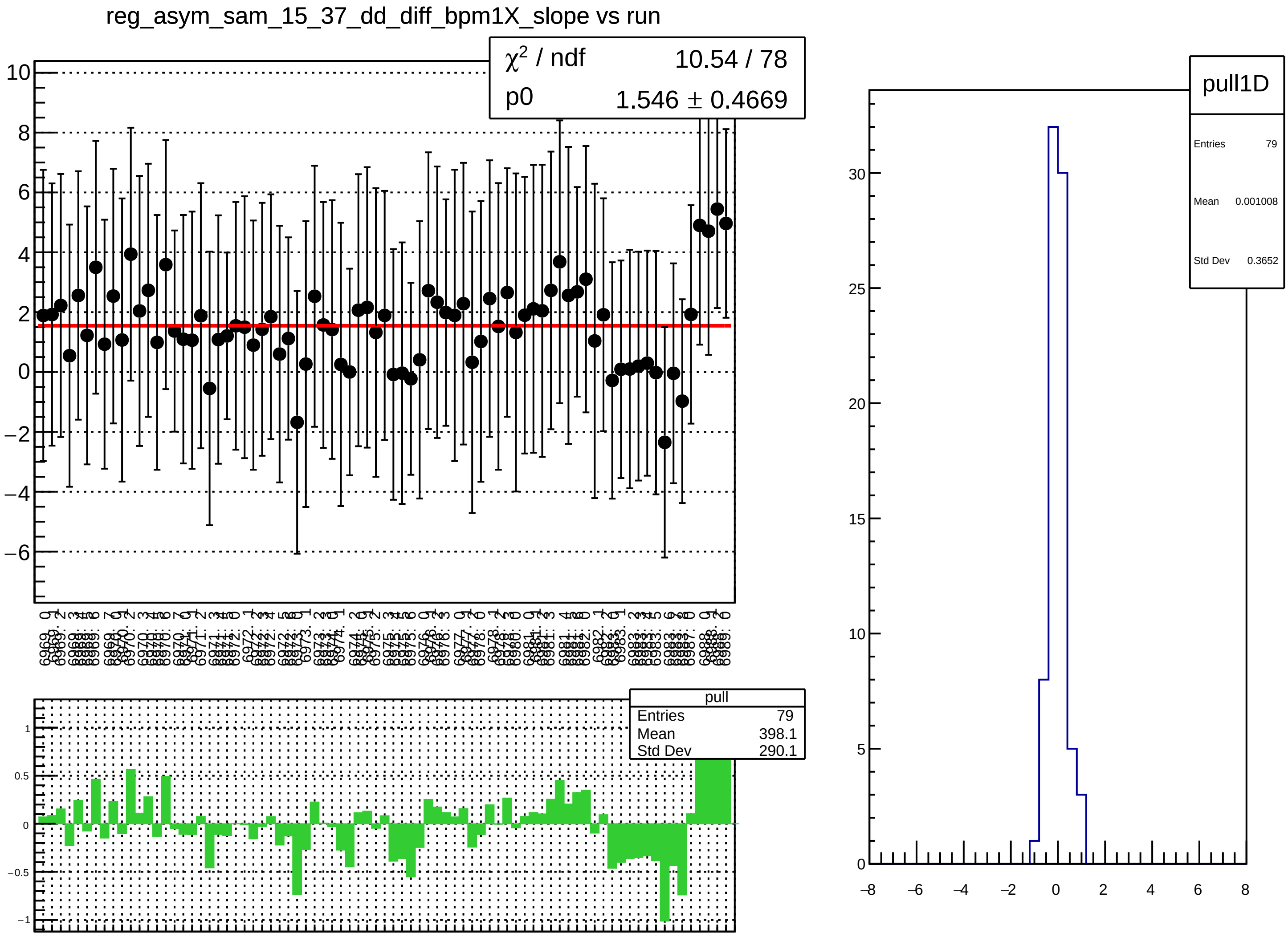

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.955 / 78
p0 −12.11 ± 0.3958
pull
Entries 79
Mean 344.2
Std Dev 308.8
pull1D
Entries 79
Mean −0.008253
Std Dev 0.3172

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run

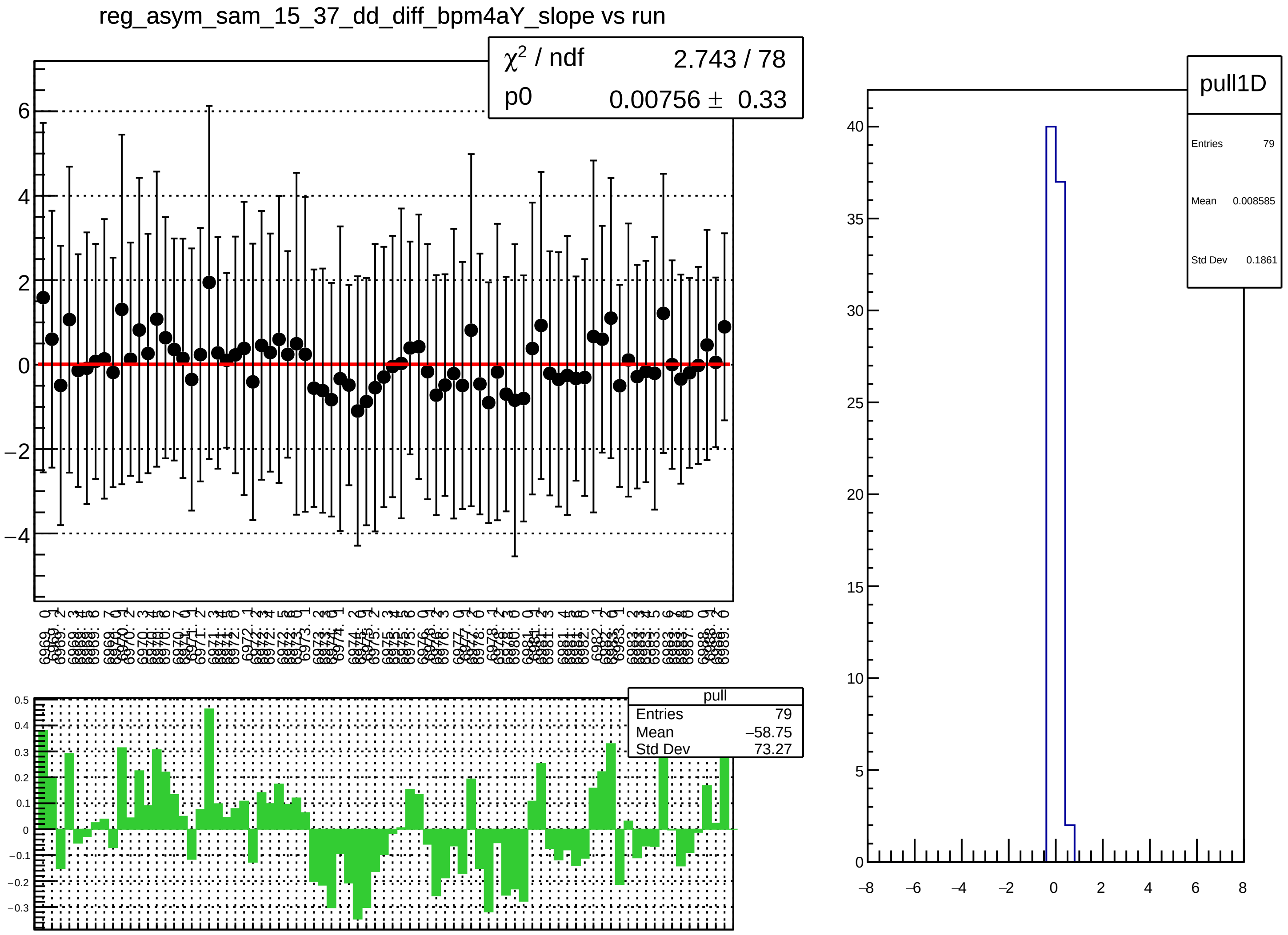




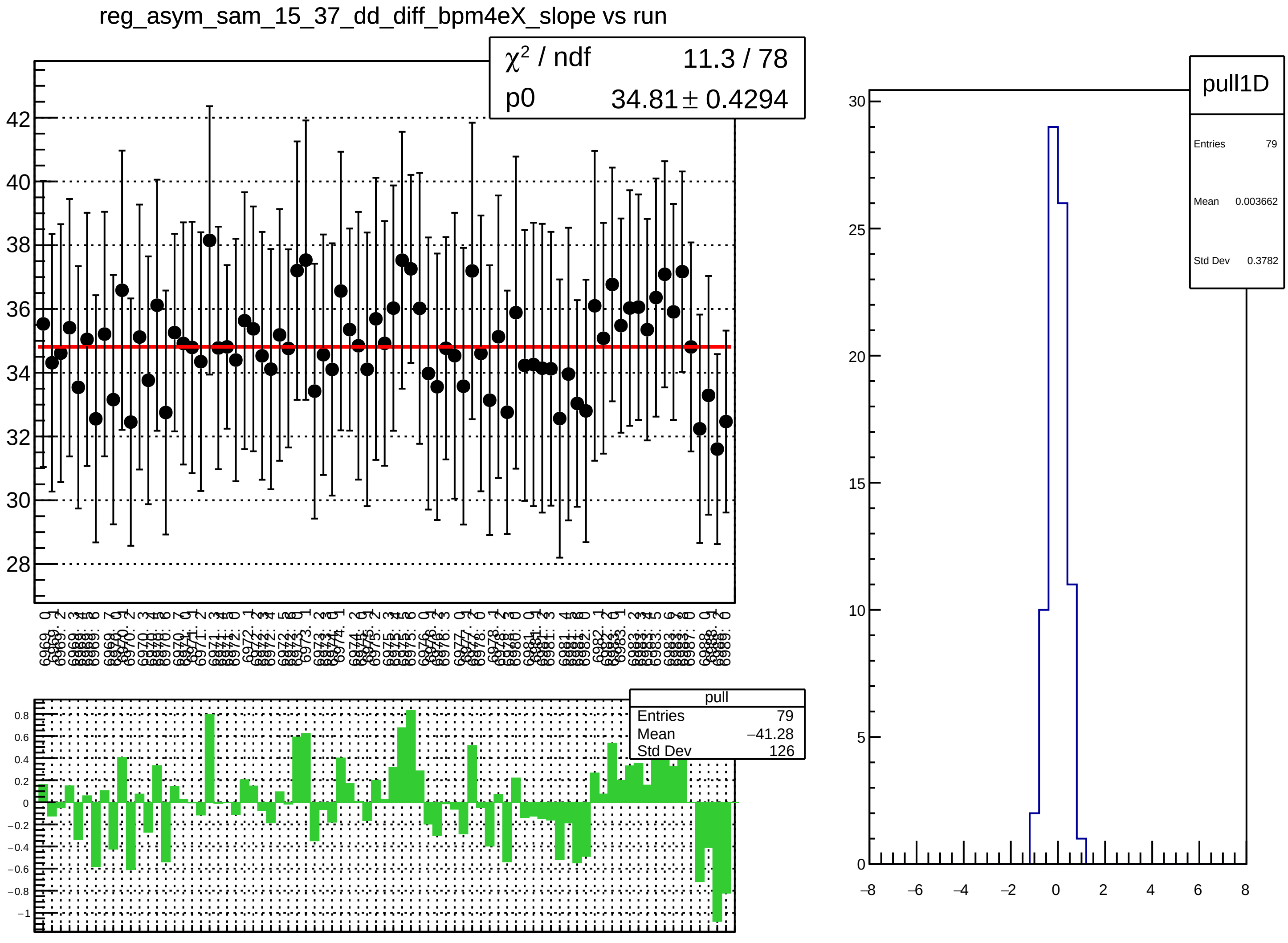
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 14.97 / 78
p0 0.2461 ± 0.01336
pull
Entries 79
Mean −288.1
Std Dev 332.7
pull1D
Entries 79
Mean 0.01042
Std Dev 0.4351



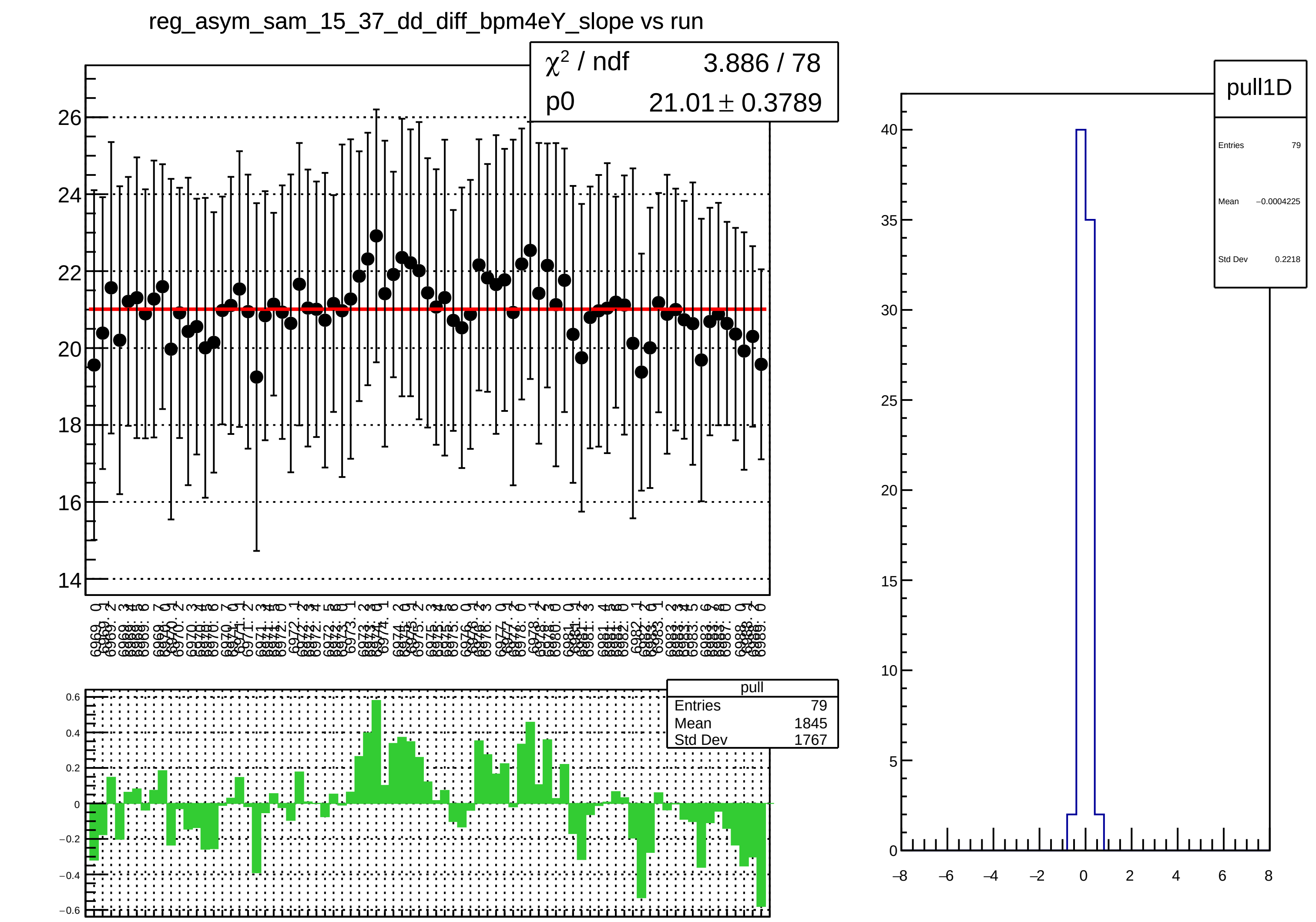
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.54 / 78
p0 1.546 ± 0.4669
pull
Entries 79
Mean 398.1
Std Dev 290.1
pull1D
Entries 79
Mean 0.001008
Std Dev 0.3652

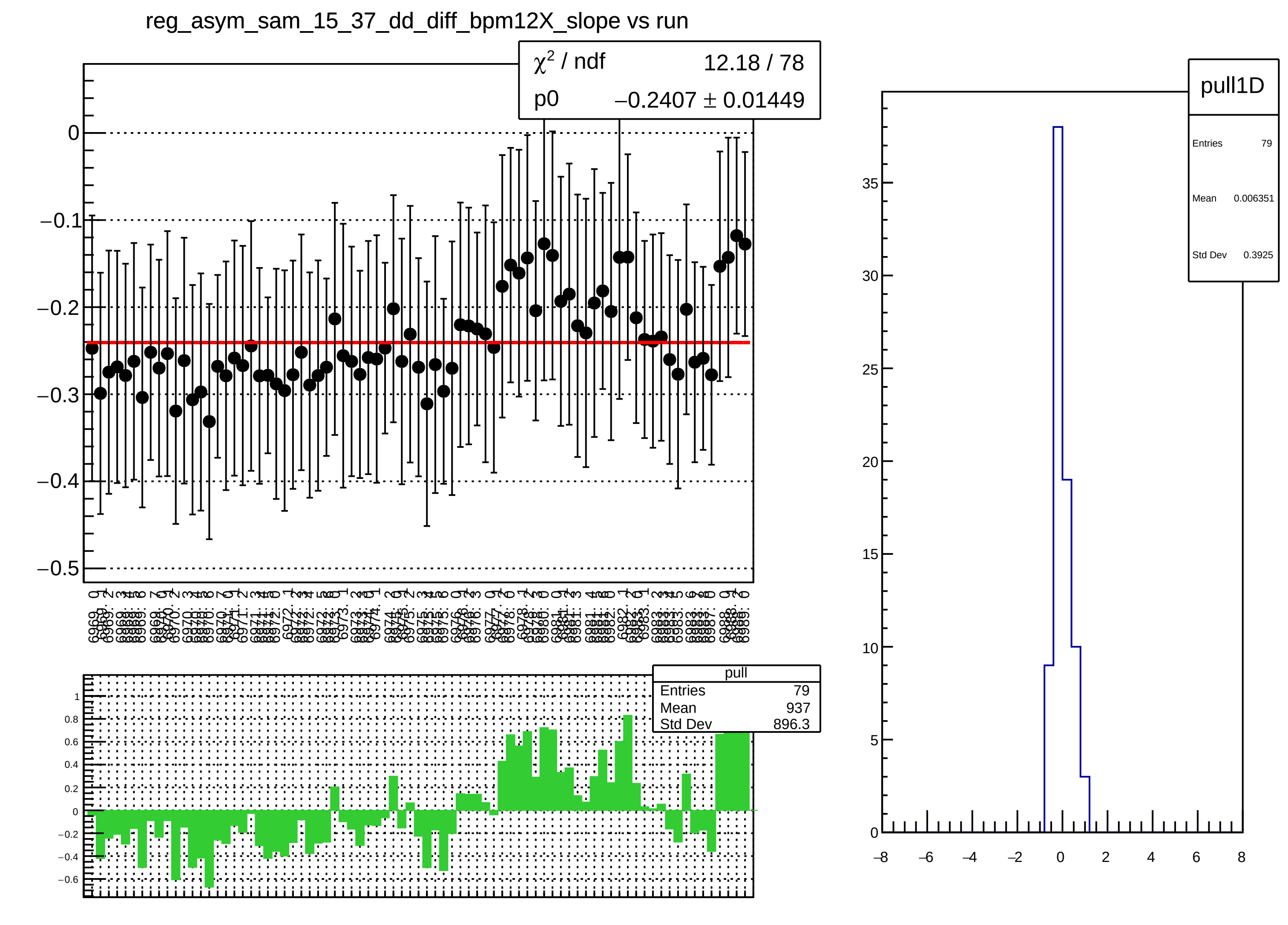


reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.743 / 78
p0 0.00756 ± 0.33
pull
Entries 79
Mean −58.75
Std Dev 73.27
pull1D
Entries 79
Mean 0.008585
Std Dev 0.1861

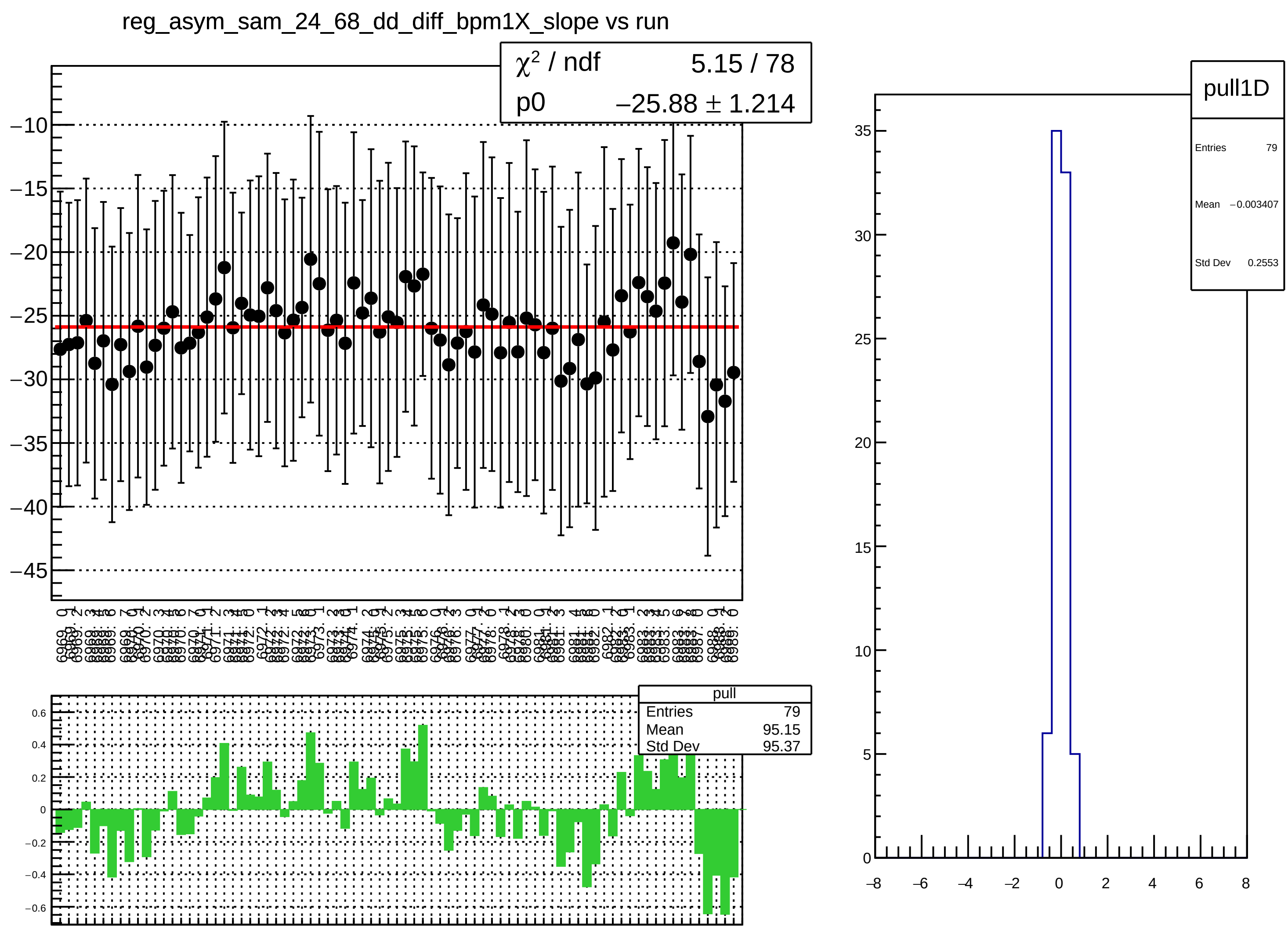


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.3 / 78
p0 34.81 ± 0.4294
pull
Entries 79
Mean −41.28
Std Dev 126
pull1D
Entries 79
Mean 0.003662
Std Dev 0.3782

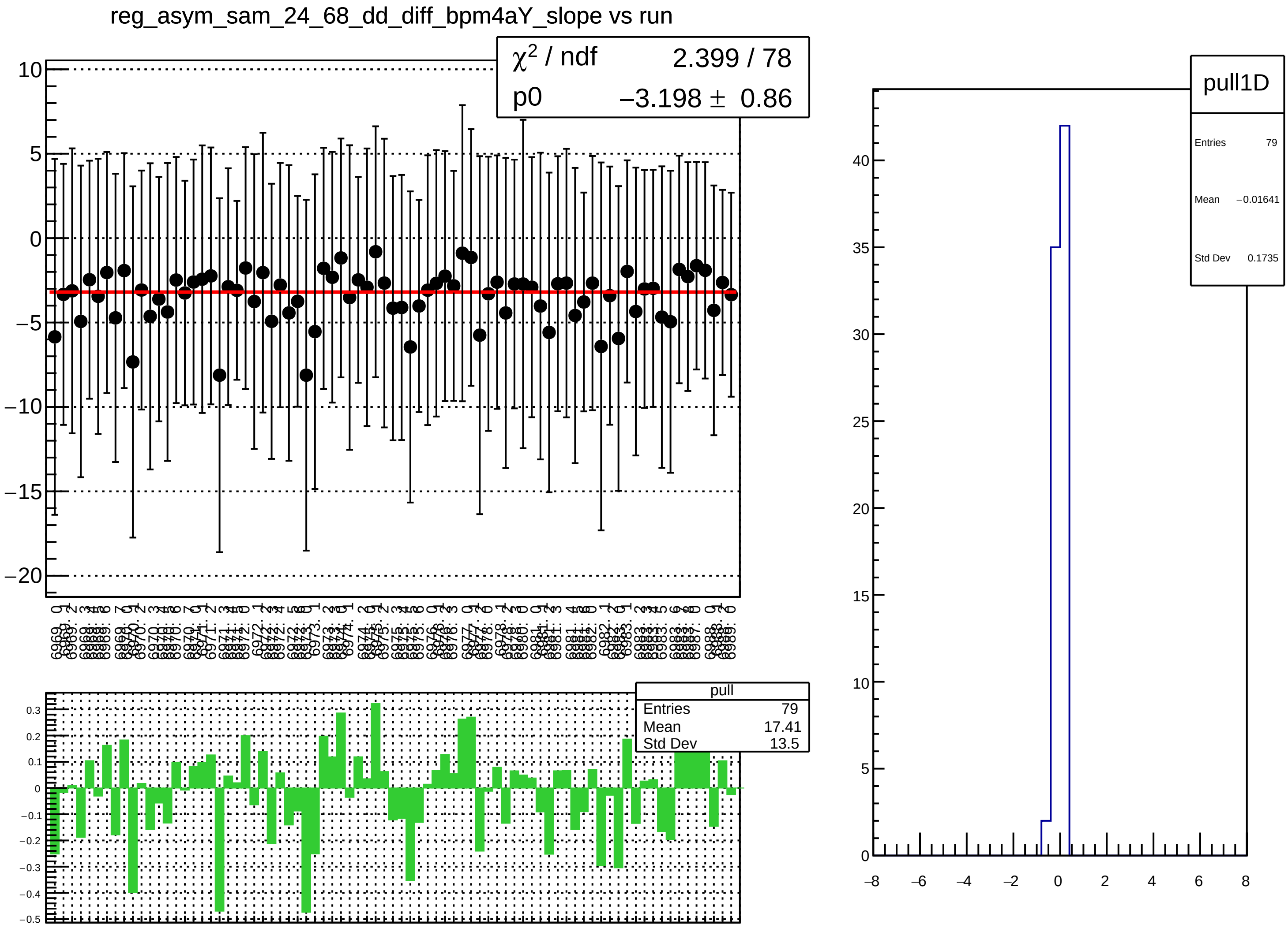

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 3.886 / 78
p0 21.01 ± 0.3789
pull
Entries 79
Mean 1845
Std Dev 1767
pull1D
Entries 79
Mean −0.0004225
Std Dev 0.2218



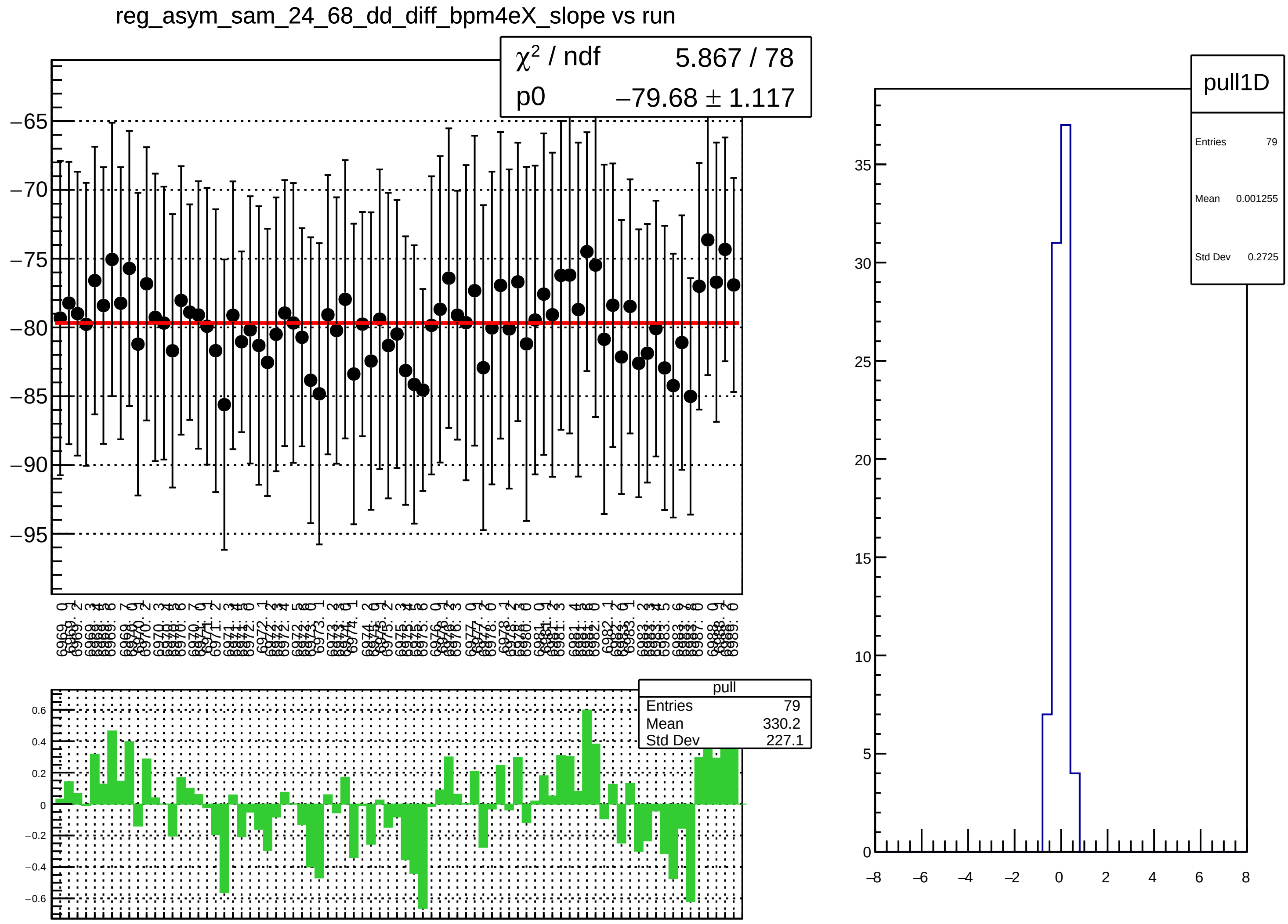
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.18 / 78
p0 −0.2407 ± 0.01449
pull
Entries 79
Mean 937
Std Dev 896.3
pull1D
Entries 79
Mean 0.006351
Std Dev 0.3925



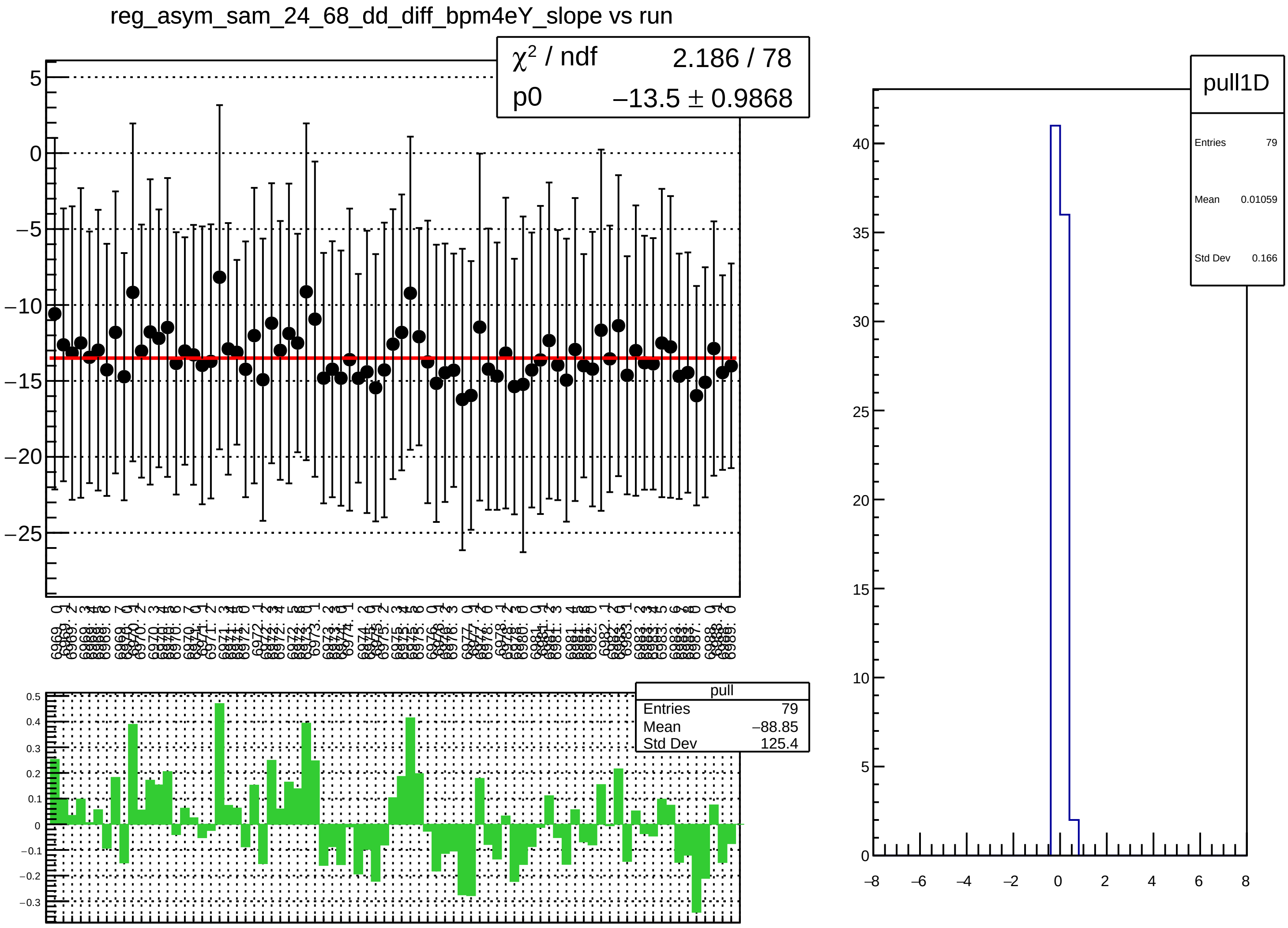
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 5.15 / 78
p0 −25.88 ± 1.214
pull
Entries 79
Mean 95.15
Std Dev 95.37
pull1D
Entries 79
Mean −0.003407
Std Dev 0.2553

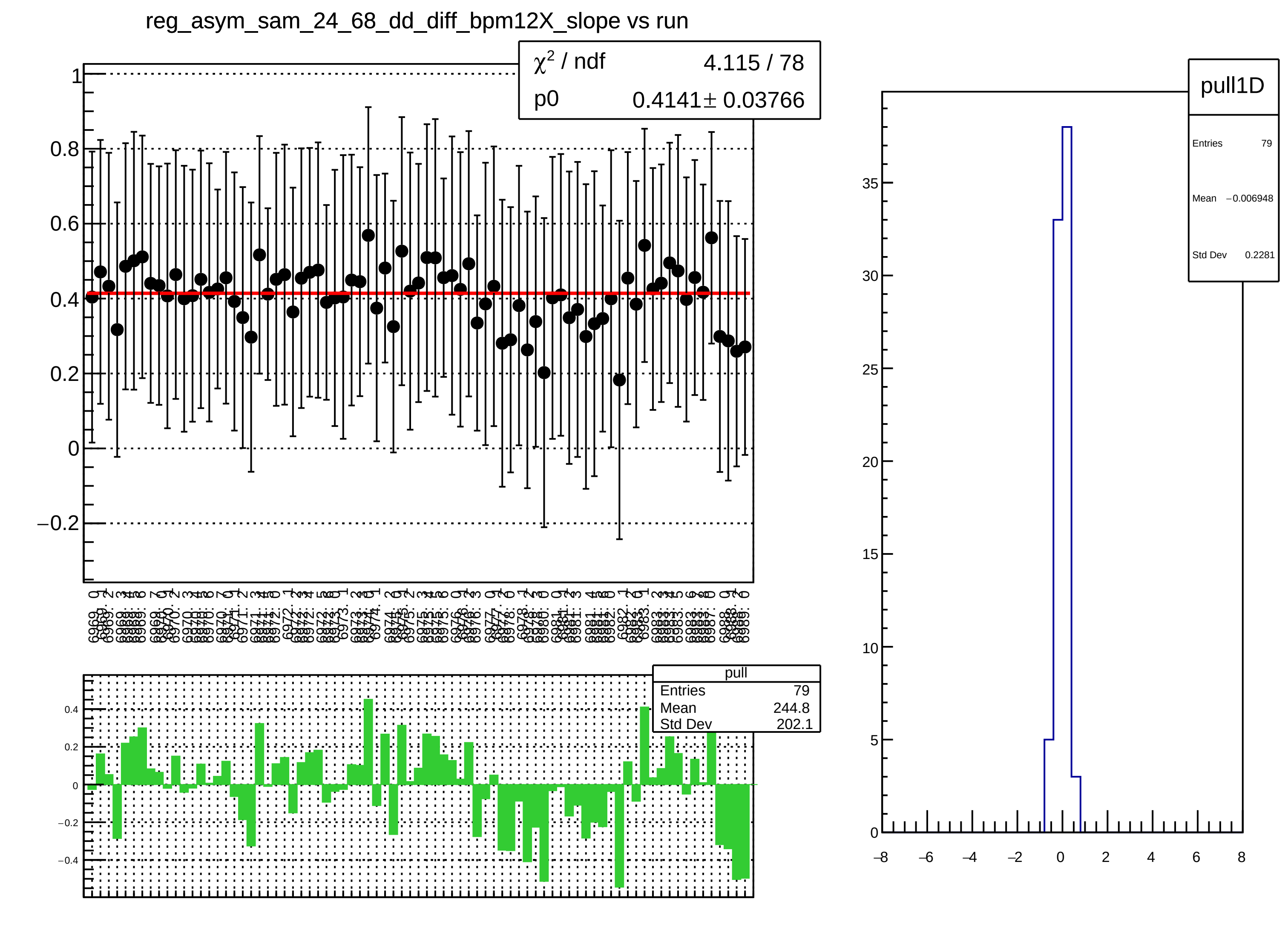


reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.399 / 78
p0 −3.198 ± 0.86
pull
Entries 79
Mean 17.41
Std Dev 13.5
pull1D
Entries 79
Mean −0.01641
Std Dev 0.1735

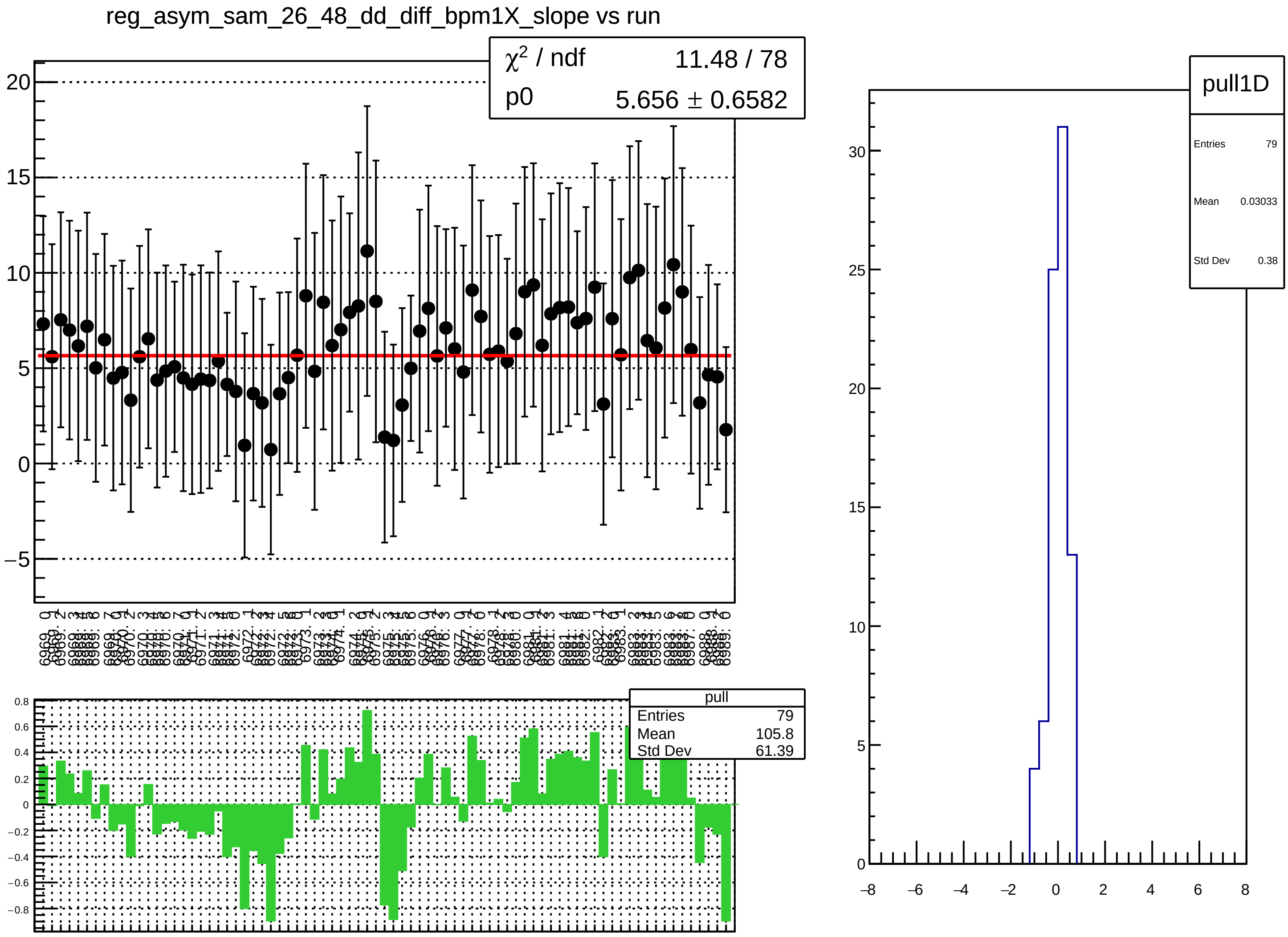


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.867 / 78
p0 −79.68 ± 1.117
pull
Entries 79
Mean 330.2
Std Dev 227.1
pull1D
Entries 79
Mean 0.001255
Std Dev 0.2725

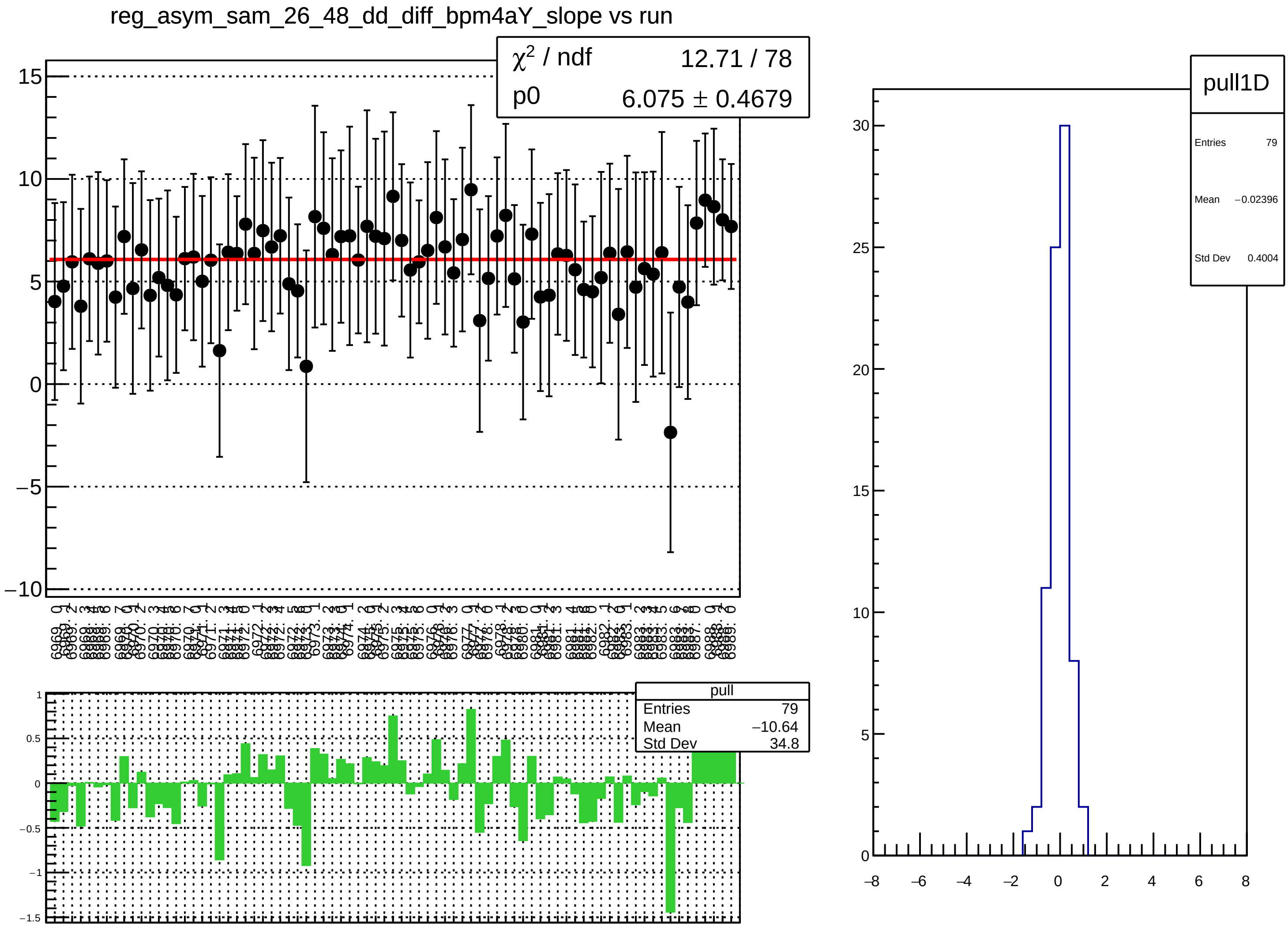

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ2 / ndf 2.186 / 78
p0 −13.5 ± 0.9868
pull
Entries 79
Mean −88.85
Std Dev 125.4
pull1D
Entries 79
Mean 0.01059
Std Dev 0.166



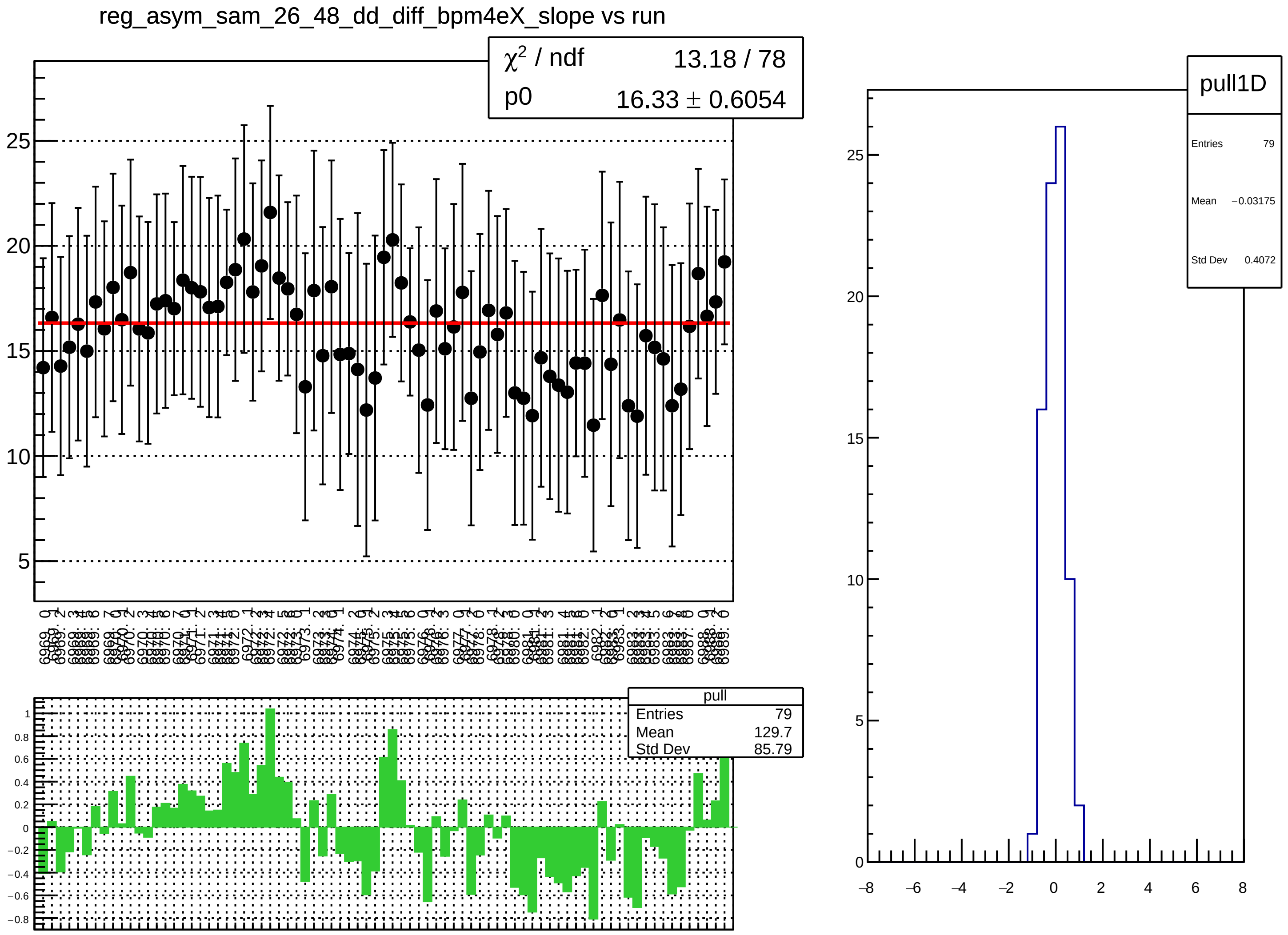
reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.115 / 78
p0 0.4141 ± 0.03766
pull
Entries 79
Mean 244.8
Std Dev 202.1
pull1D
Entries 79
Mean −0.006948
Std Dev 0.2281

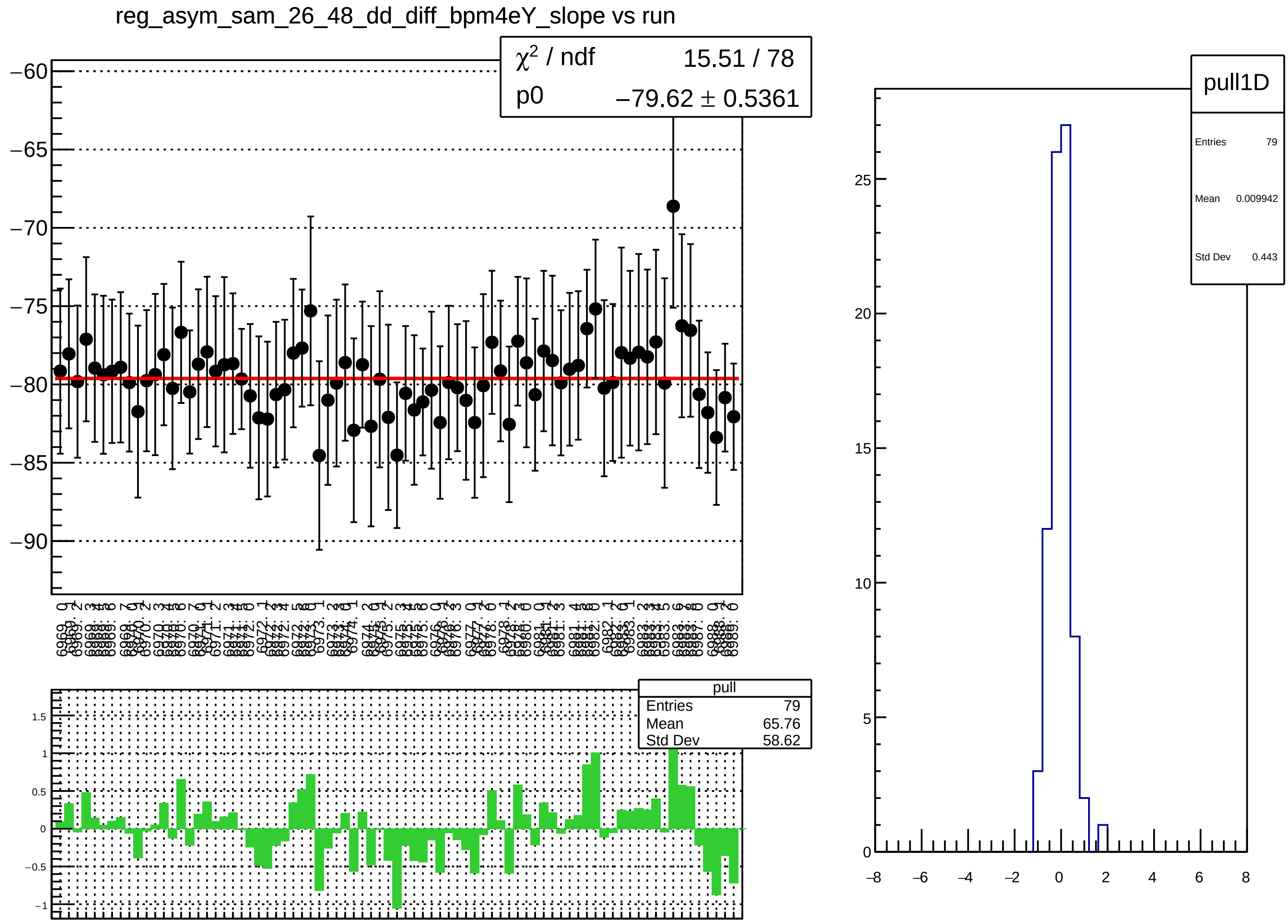


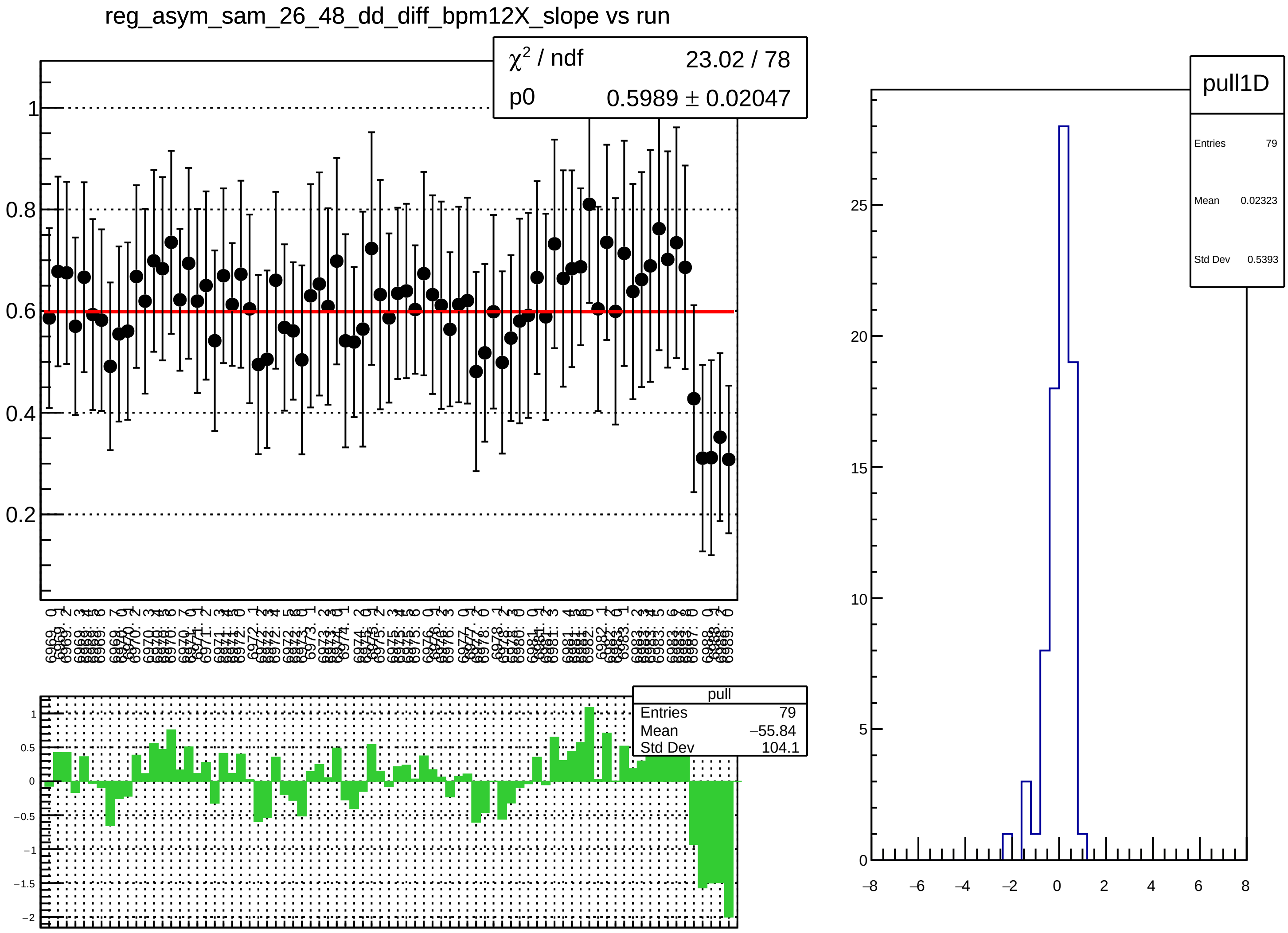
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 11.48 / 78
p0 5.656 ± 0.6582
pull
Entries 79
Mean 105.8
Std Dev 61.39
pull1D
Entries 79
Mean 0.03033
Std Dev 0.38



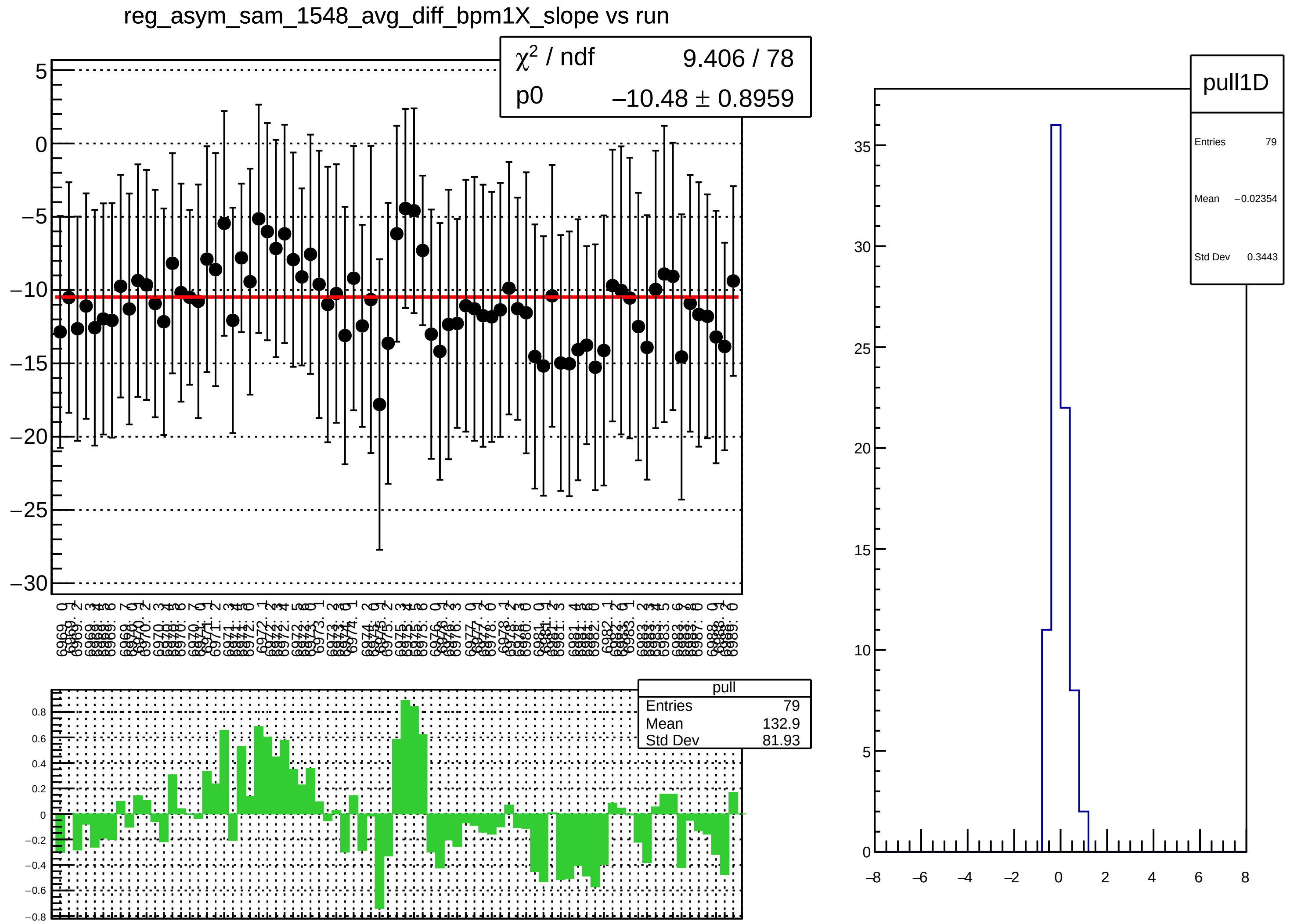
reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 12.71 / 78
p0 6.075 ± 0.4679
pull
Entries 79
Mean −10.64
Std Dev 34.8
pull1D
Entries 79
Mean −0.02396
Std Dev 0.4004


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.18 / 78
p0 16.33 ± 0.6054
pull
Entries 79
Mean 129.7
Std Dev 85.79
pull1D
Entries 79
Mean −0.03175
Std Dev 0.4072

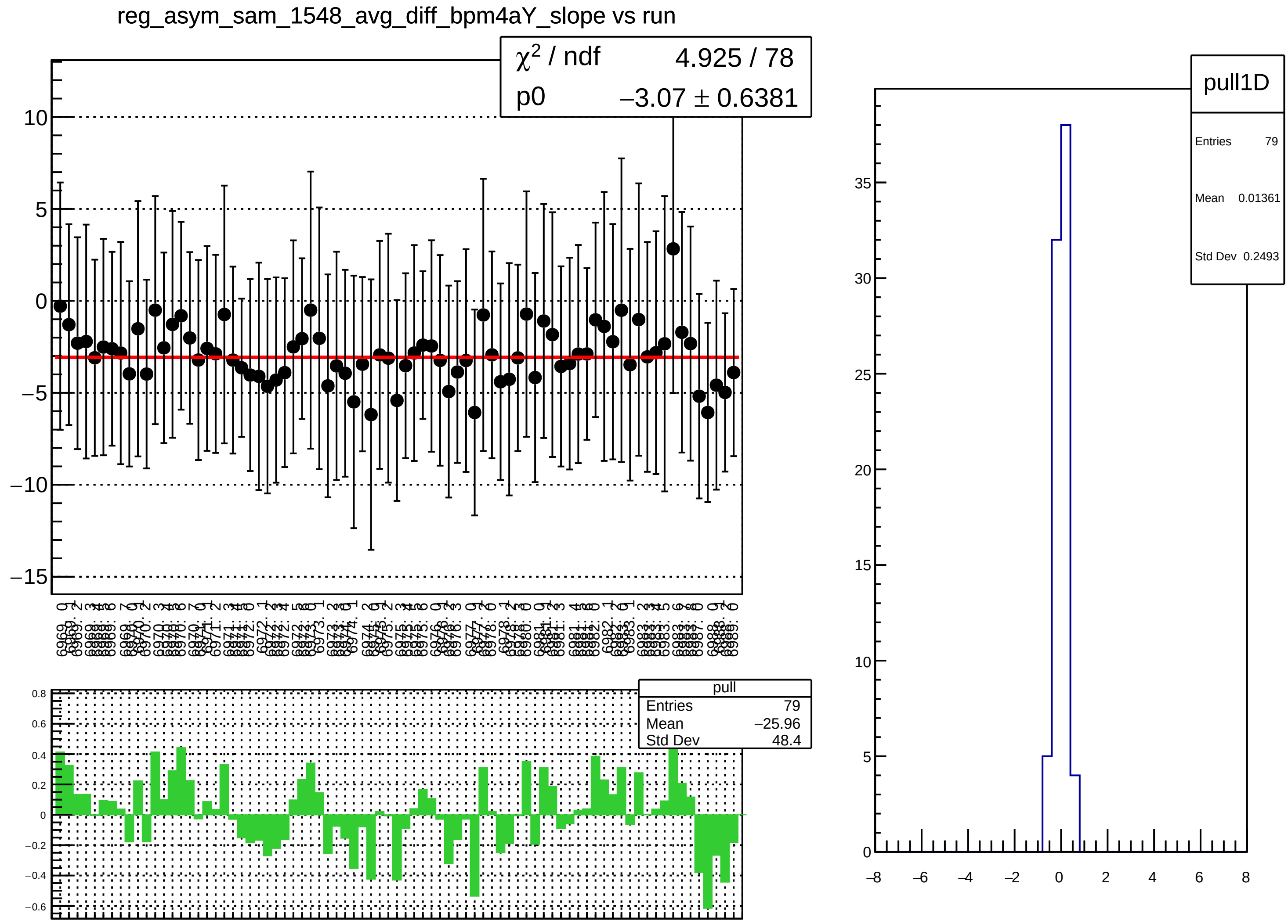

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 15.51 / 78
p0 −79.62 ± 0.5361
pull
Entries 79
Mean 65.76
Std Dev 58.62
pull1D
Entries 79
Mean 0.009942
Std Dev 0.443



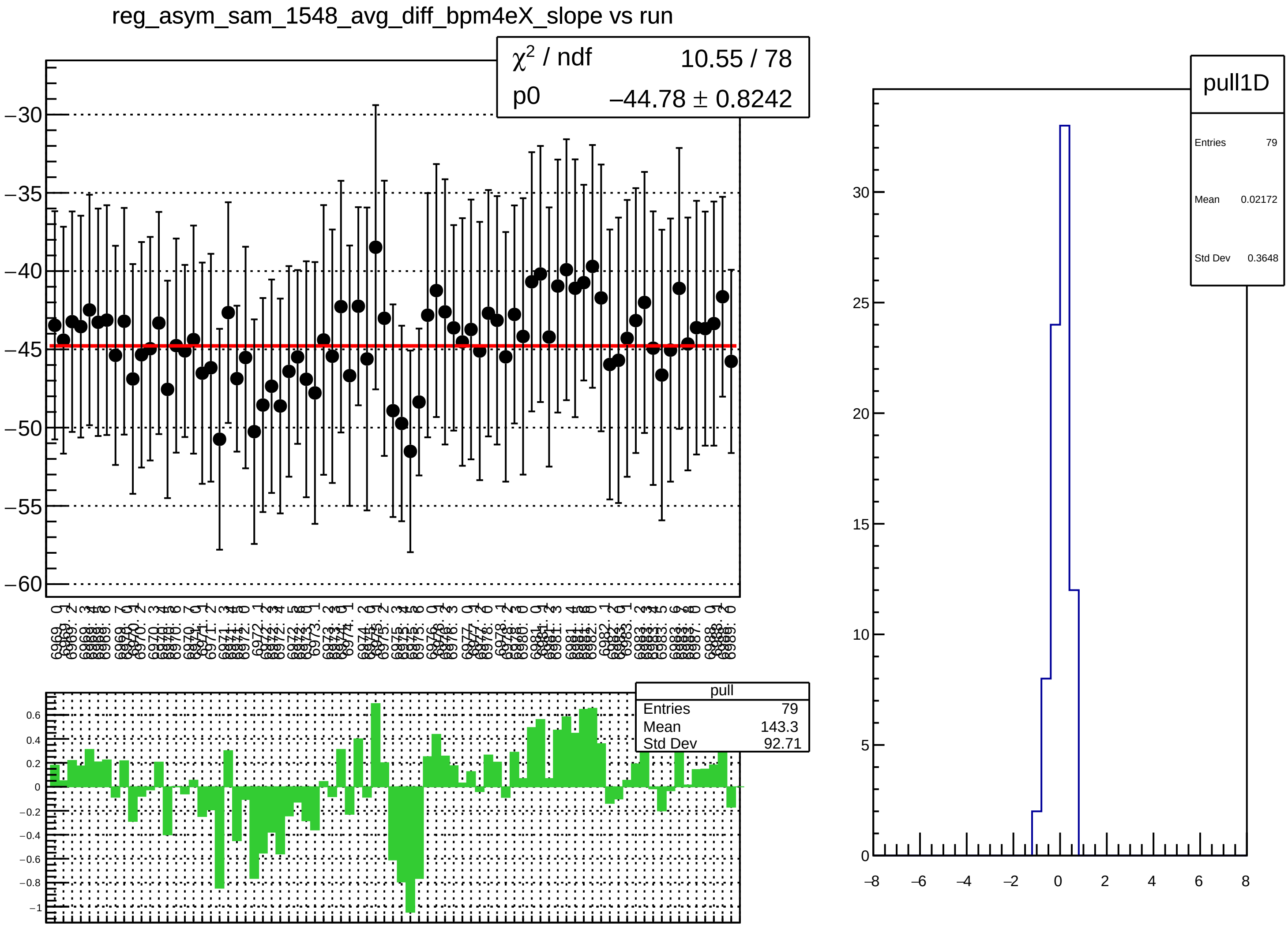
reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 23.02 / 78
p0 0.5989 ± 0.02047
pull
Entries 79
Mean −55.84
Std Dev 104.1
pull1D
Entries 79
Mean 0.02323
Std Dev 0.5393



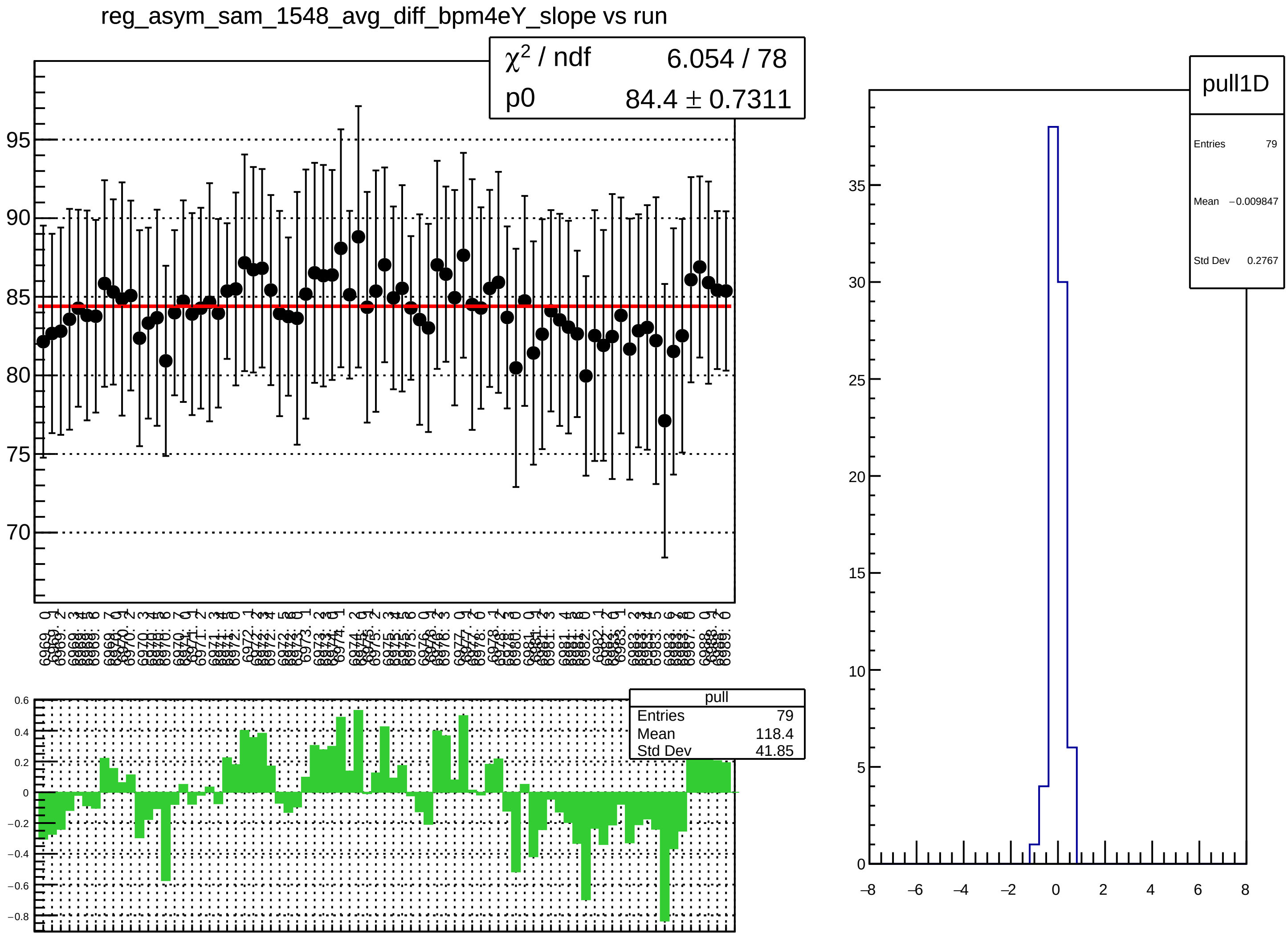
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.406 / 78
p0 −10.48 ± 0.8959
pull
Entries 79
Mean 132.9
Std Dev 81.93
pull1D
Entries 79
Mean −0.02354
Std Dev 0.3443



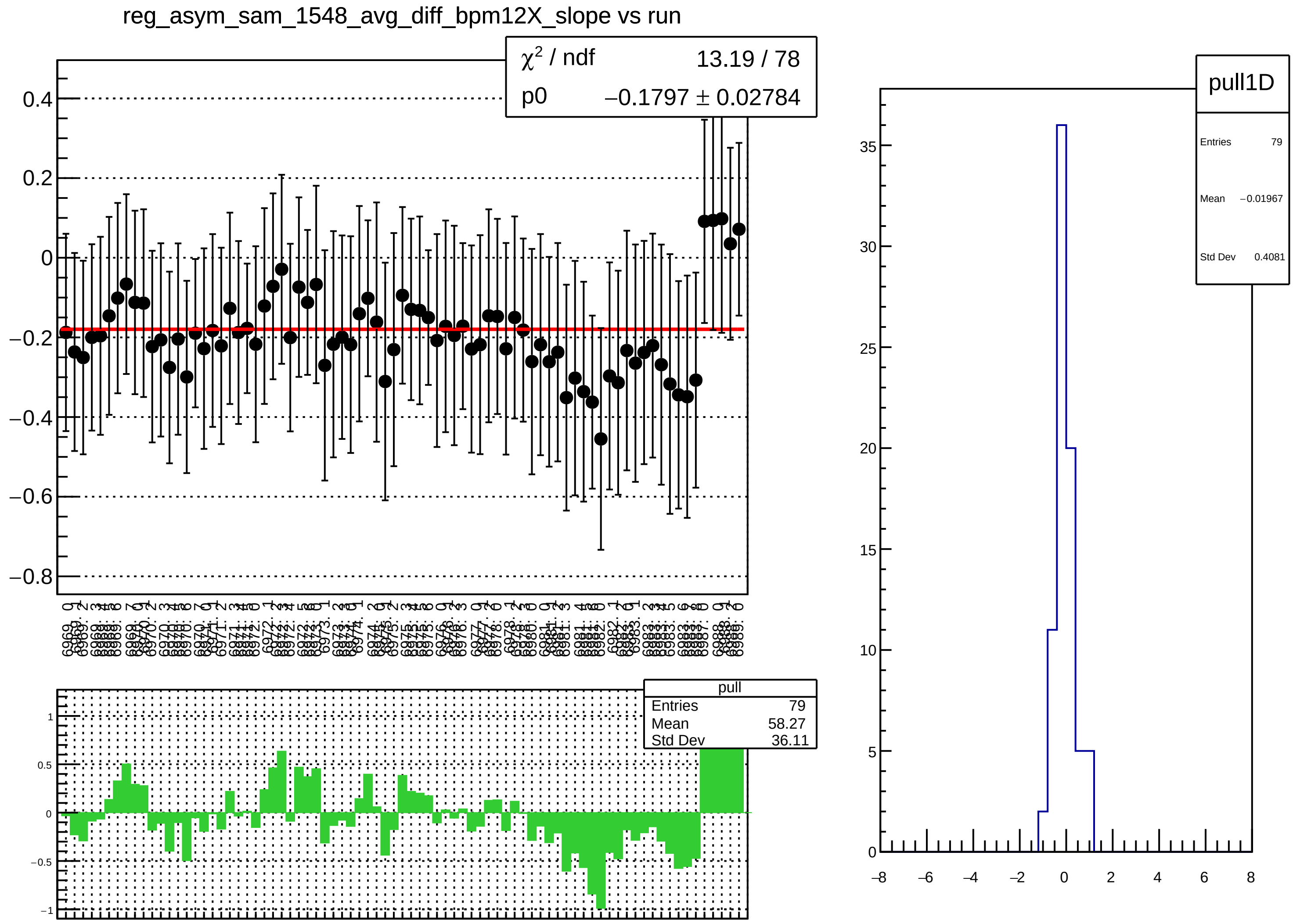
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.925 / 78
p0 −3.07 ± 0.6381
pull
Entries 79
Mean −25.96
Std Dev 48.4
pull1D
Entries 79
Mean 0.01361
Std Dev 0.2493



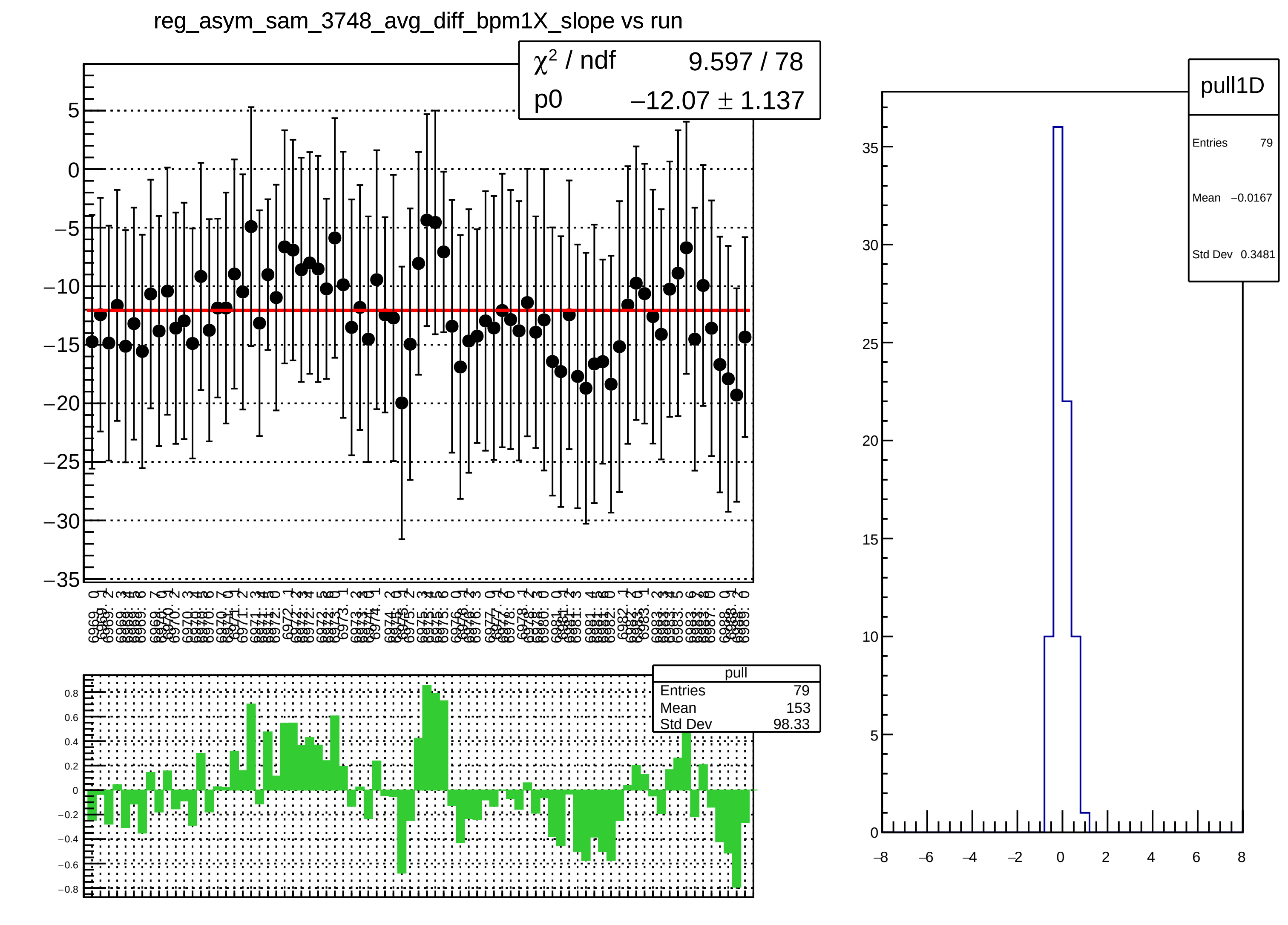
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.55 / 78
p0 −44.78 ± 0.8242
pull
Entries 79
Mean 143.3
Std Dev 92.71
pull1D
Entries 79
Mean 0.02172
Std Dev 0.3648



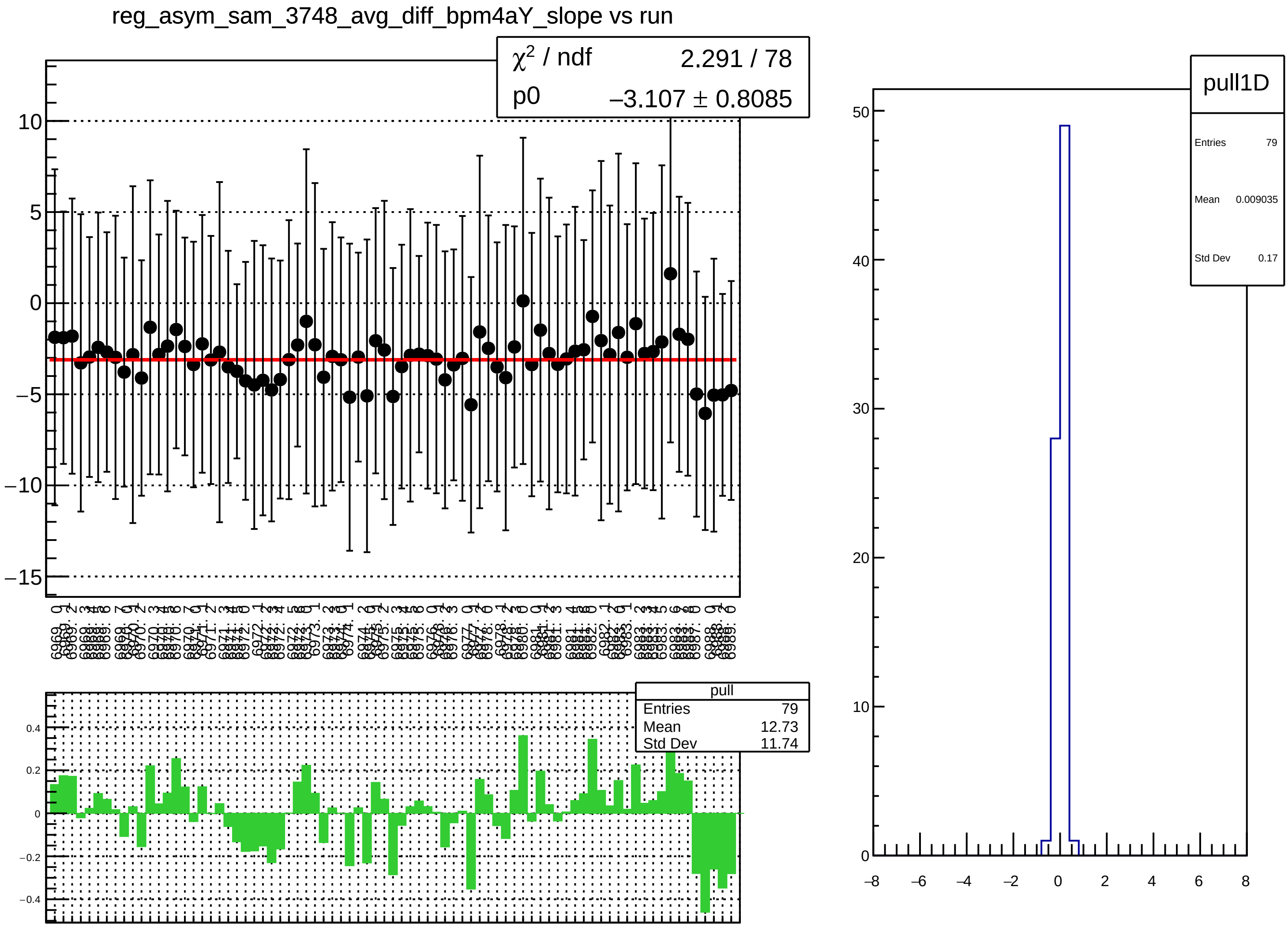
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 6.054 / 78
p0 84.4 ± 0.7311
pull
Entries 79
Mean 118.4
Std Dev 41.85
pull1D
Entries 79
Mean −0.009847
Std Dev 0.2767



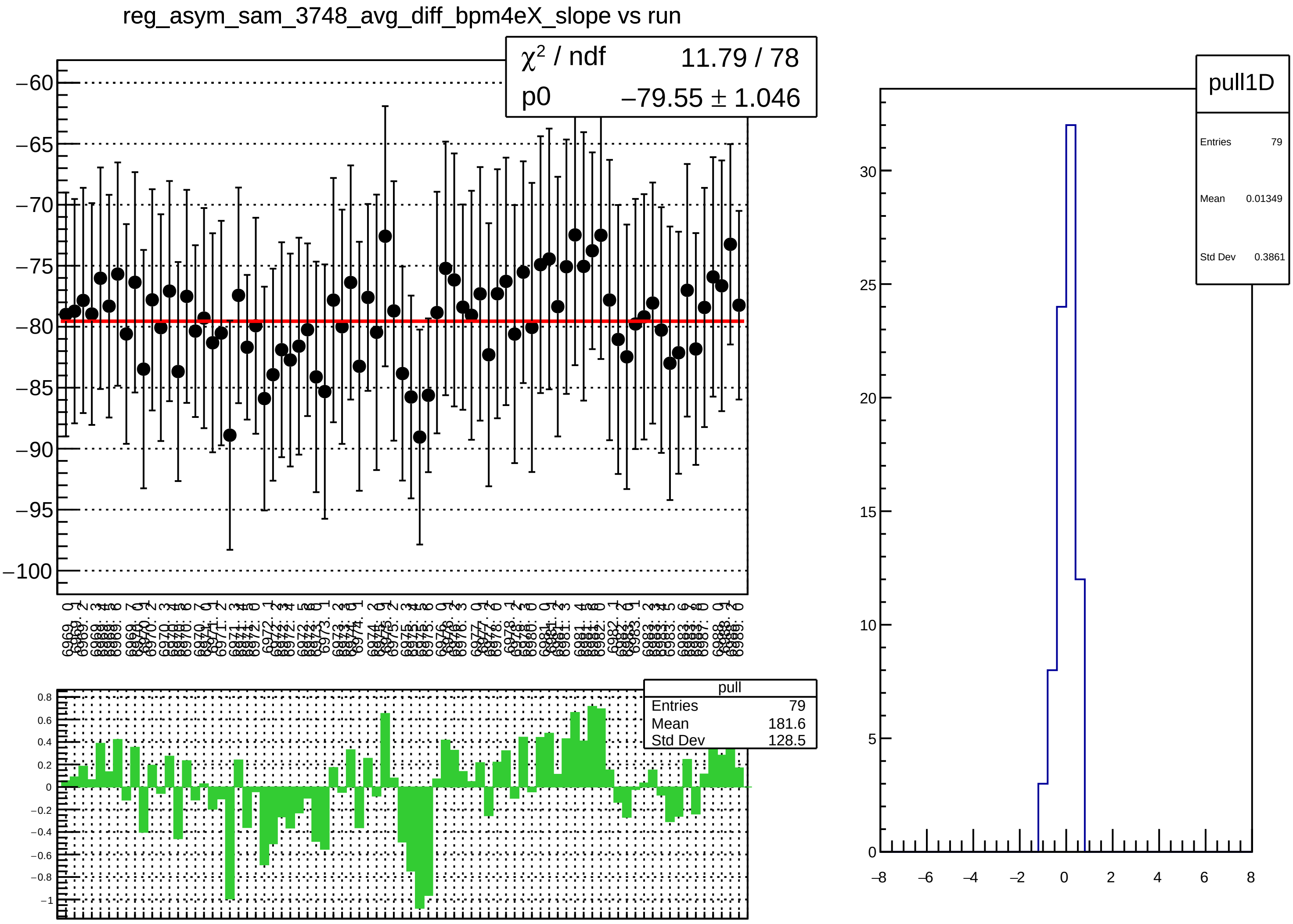
reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.19 / 78
p0 −0.1797 ± 0.02784
pull
Entries 79
Mean 58.27
Std Dev 36.11
pull1D
Entries 79
Mean −0.01967
Std Dev 0.4081



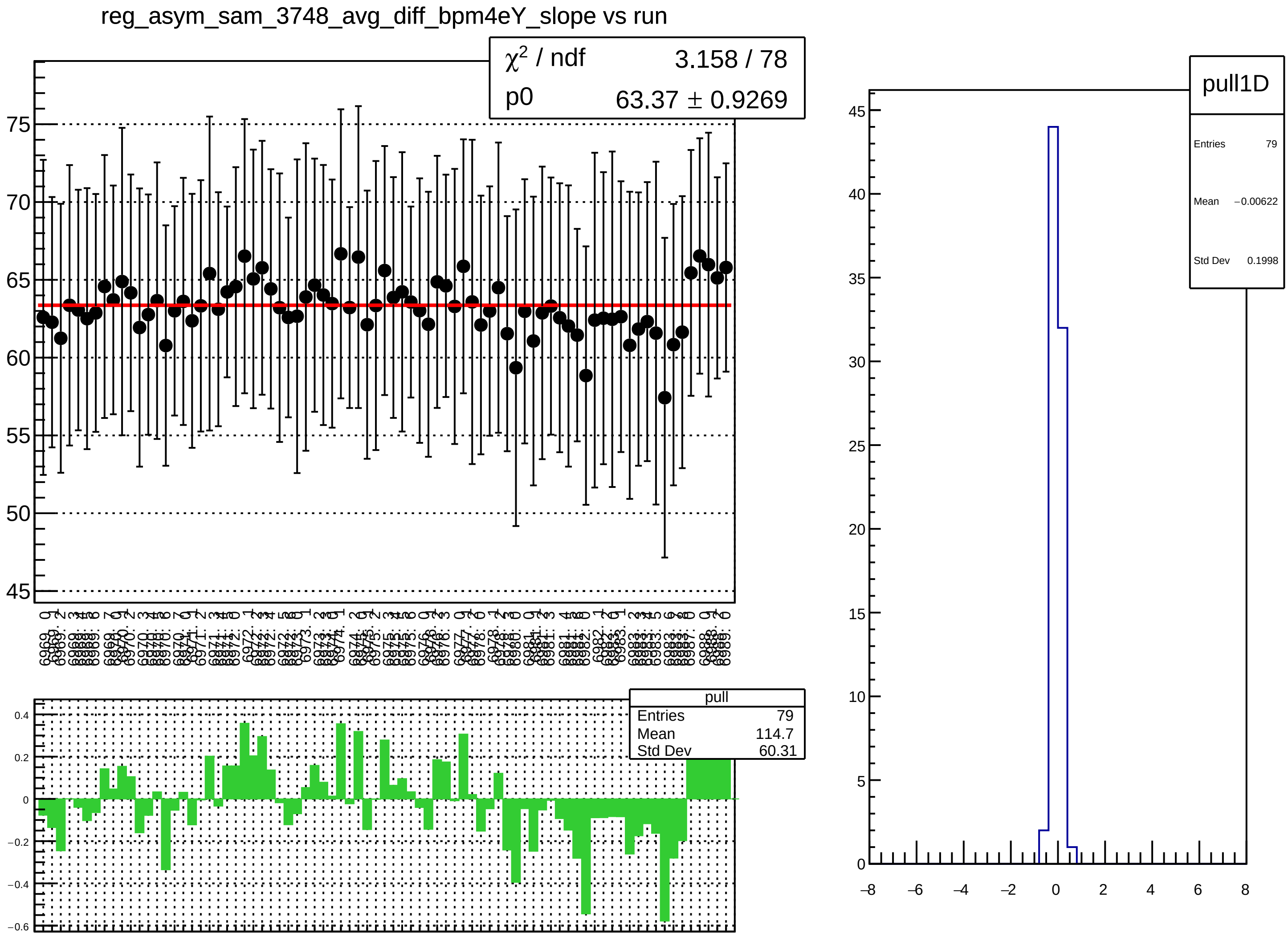
reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ2 / ndf 9.597 / 78
p0 −12.07 ± 1.137
pull
Entries 79
Mean 153
Std Dev 98.33
pull1D
Entries 79
Mean −0.0167
Std Dev 0.3481



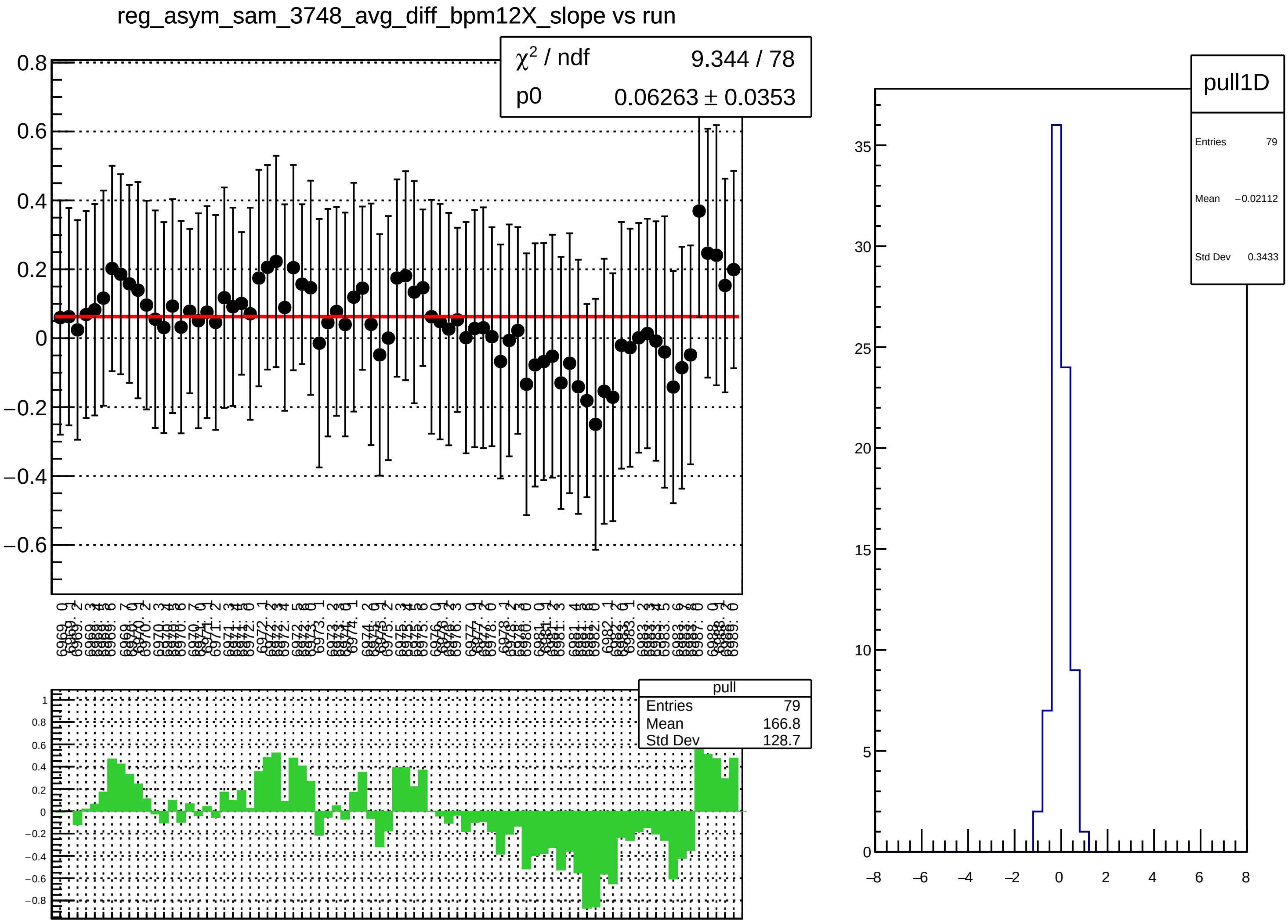
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.291 / 78
p0 −3.107 ± 0.8085
pull
Entries 79
Mean 12.73
Std Dev 11.74
pull1D
Entries 79
Mean 0.009035
Std Dev 0.17

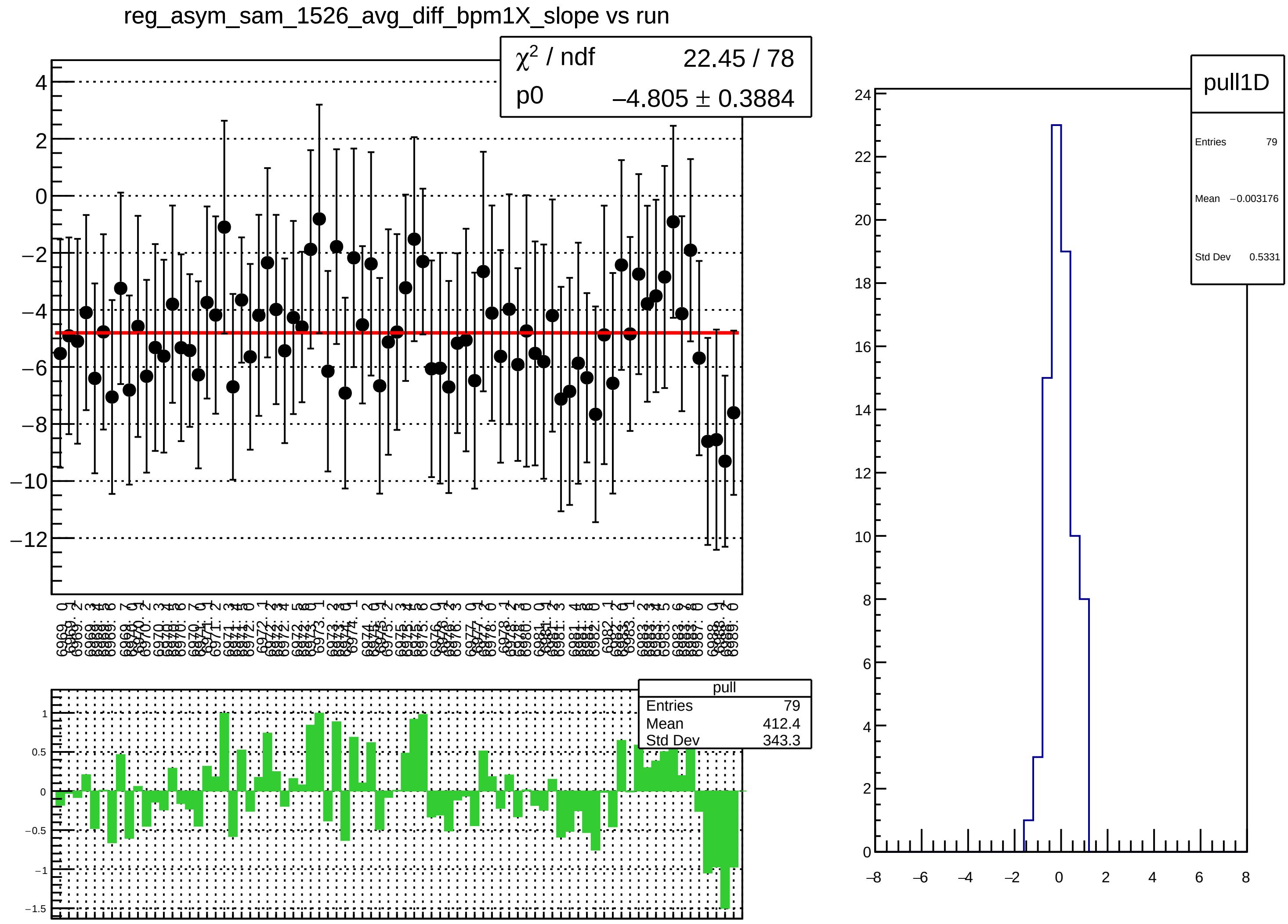


reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ2 / ndf 11.79 / 78
p0 −79.55 ± 1.046
pull
Entries 79
Mean 181.6
Std Dev 128.5
pull1D
Entries 79
Mean 0.01349
Std Dev 0.3861

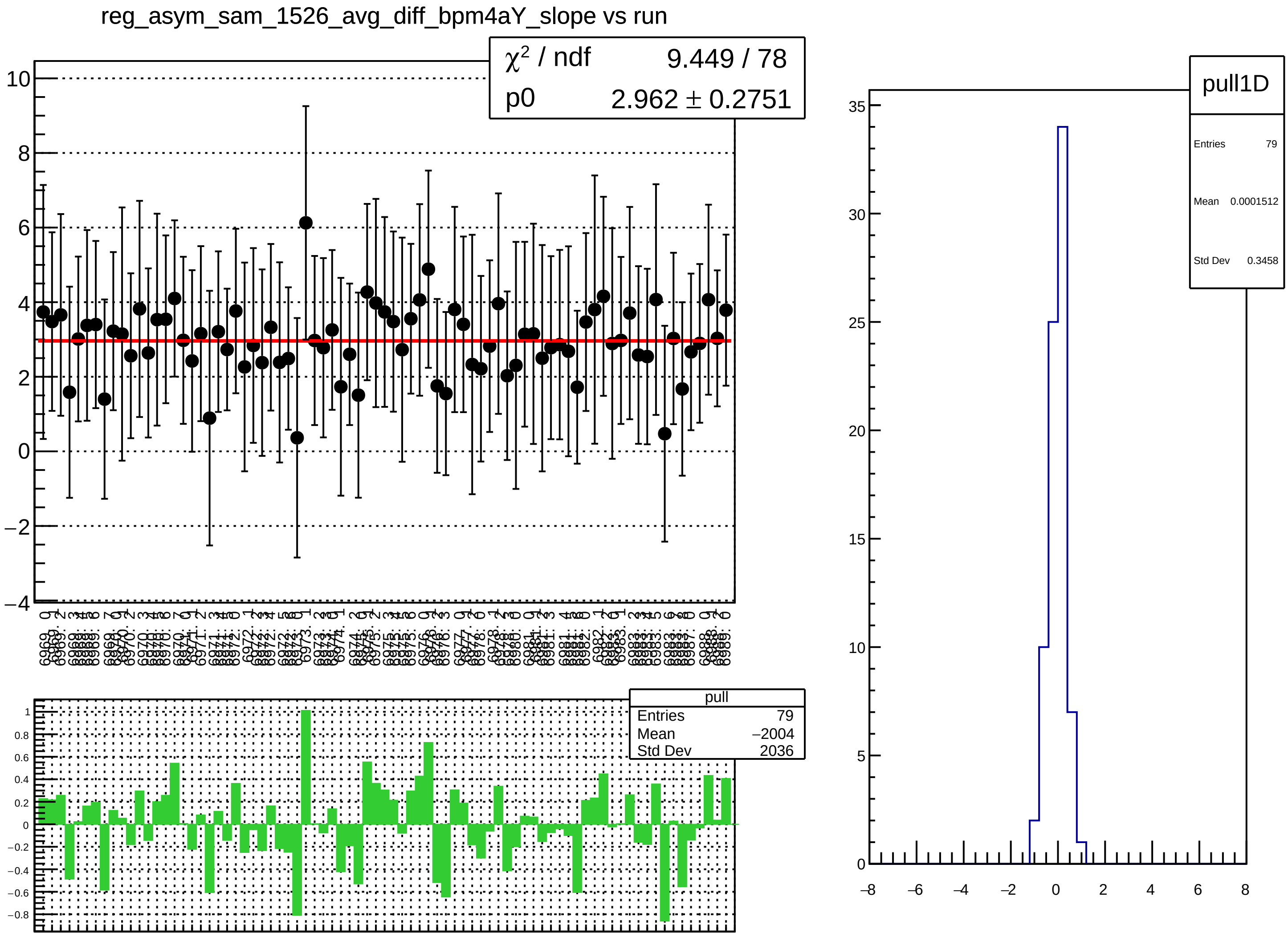


reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.158 / 78
p0 63.37 ± 0.9269
pull
Entries 79
Mean 114.7
Std Dev 60.31
pull1D
Entries 79
Mean −0.00622
Std Dev 0.1998


reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.344 / 78
p0 0.06263 ± 0.0353
pull
Entries 79
Mean 166.8
Std Dev 128.7
pull1D
Entries 79
Mean −0.02112
Std Dev 0.3433

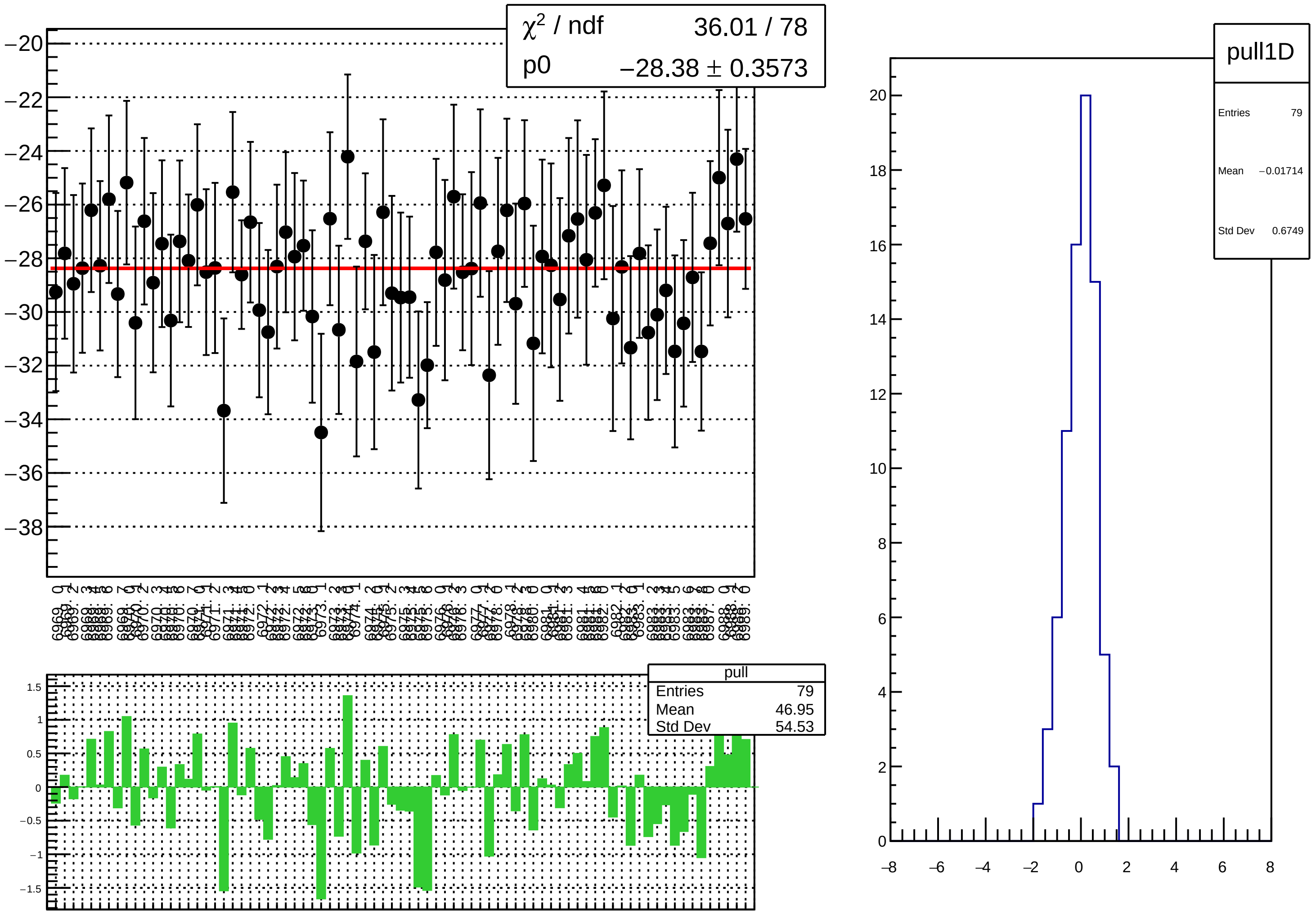


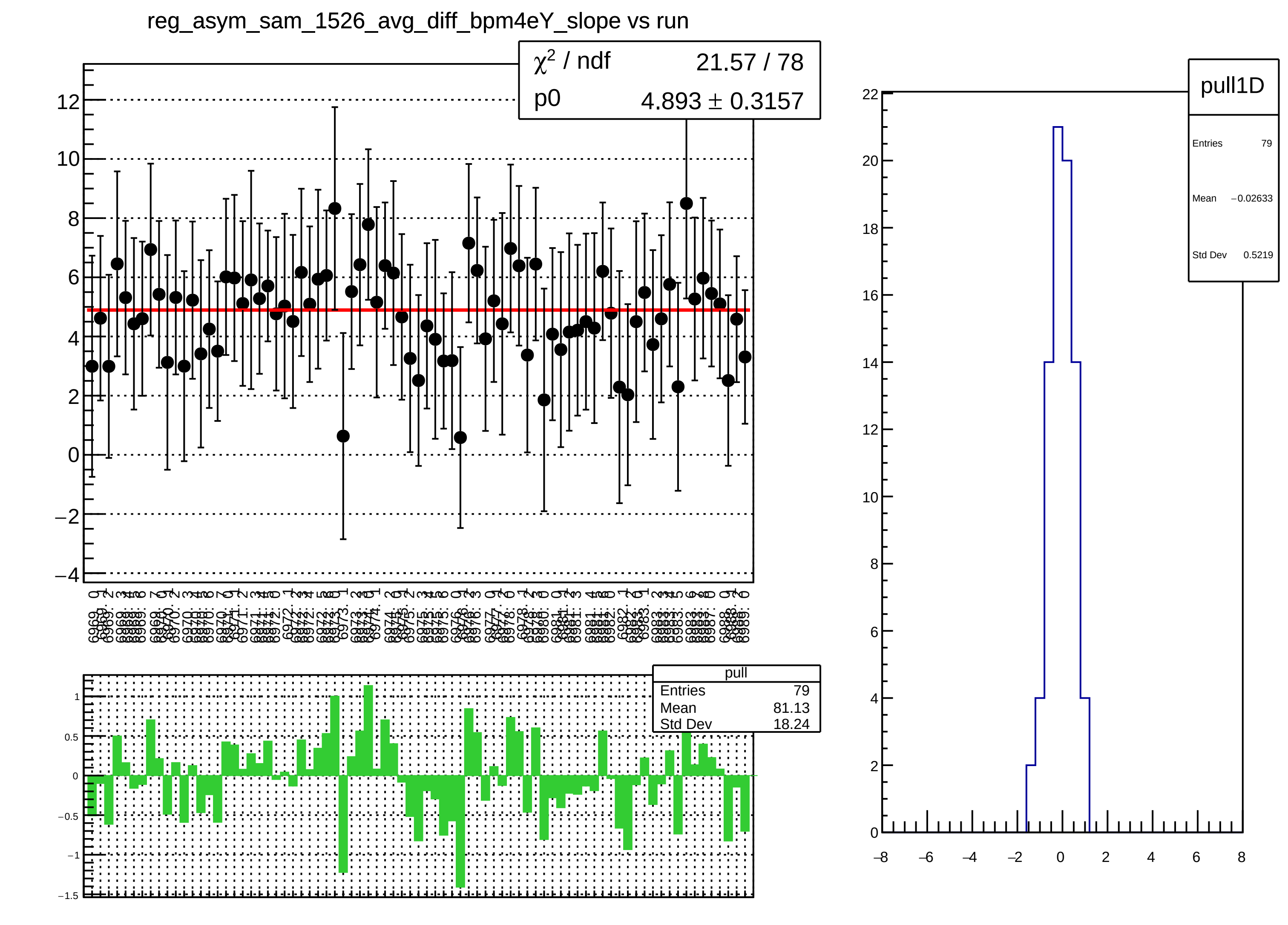
reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ2 / ndf 22.45 / 78
p0 −4.805 ± 0.3884
pull
Entries 79
Mean 412.4
Std Dev 343.3
pull1D
Entries 79
Mean −0.003176
Std Dev 0.5331

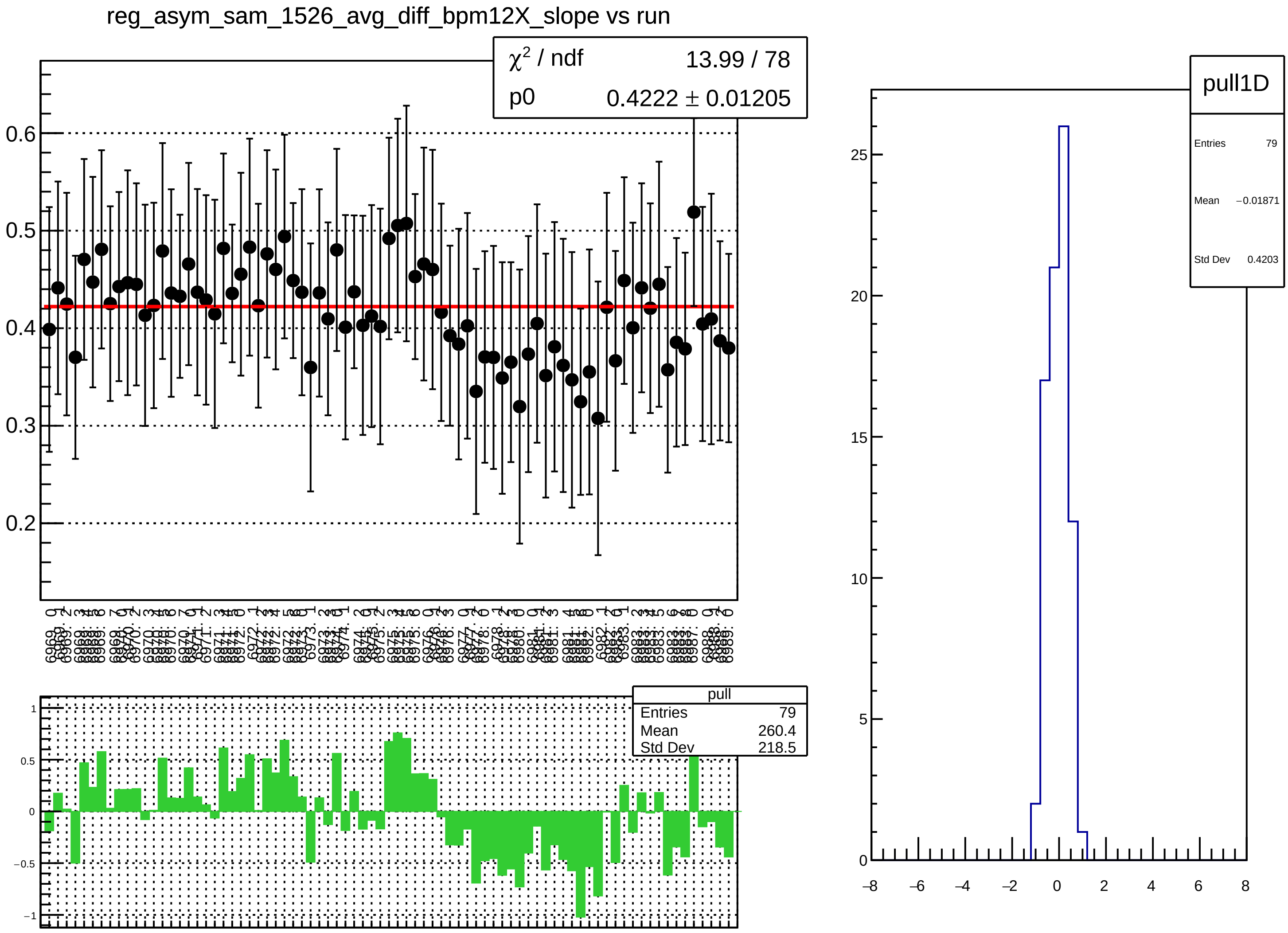


reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ2 / ndf 9.449 / 78
p0 2.962 ± 0.2751
pull
Entries 79
Mean −2004
Std Dev 2036
pull1D
Entries 79
Mean 0.0001512
Std Dev 0.3458

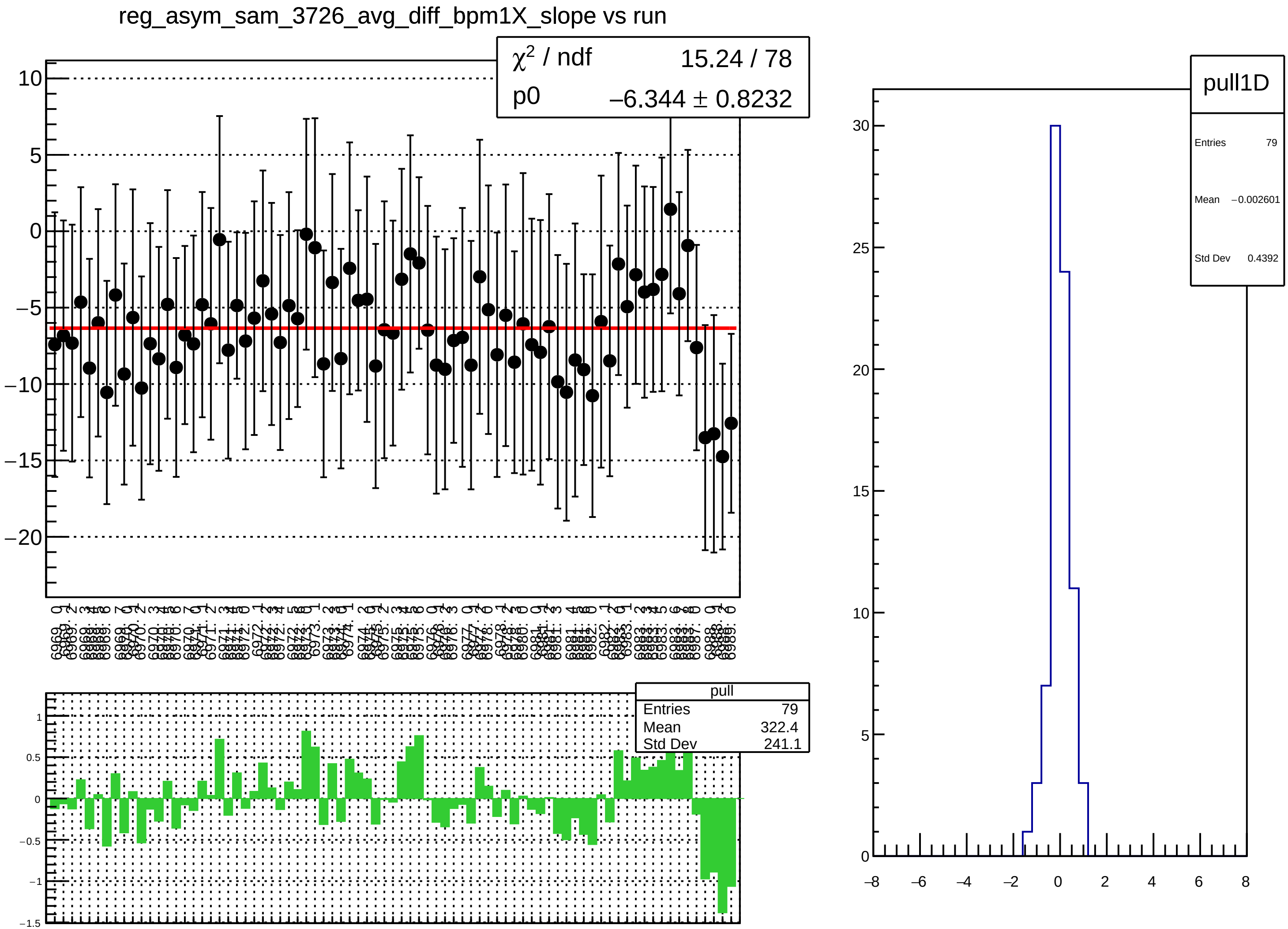
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run



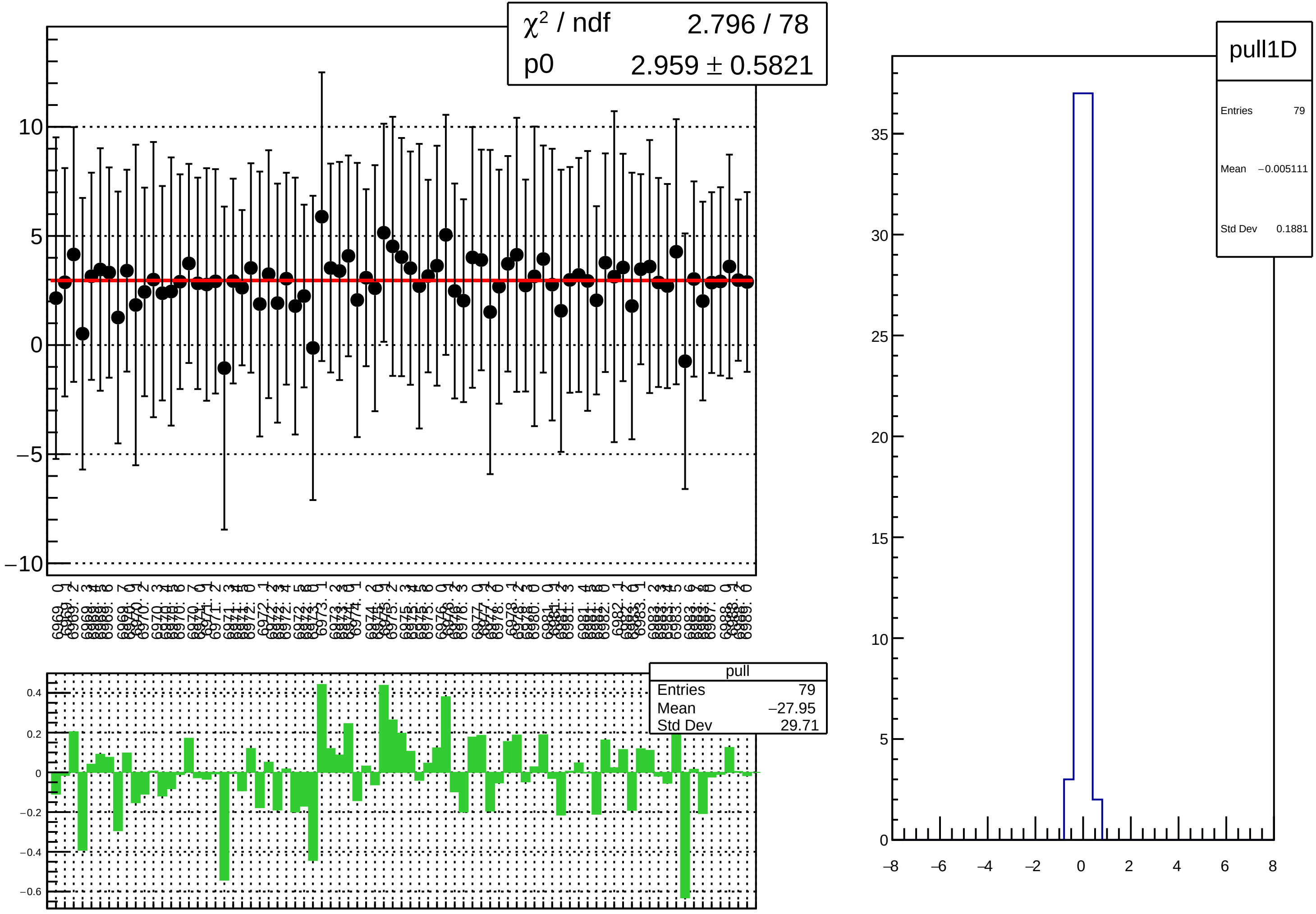

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ2 / ndf 21.57 / 78
p0 4.893 ± 0.3157
pull
Entries 79
Mean 81.13
Std Dev 18.24
pull1D
Entries 79
Mean −0.02633
Std Dev 0.5219

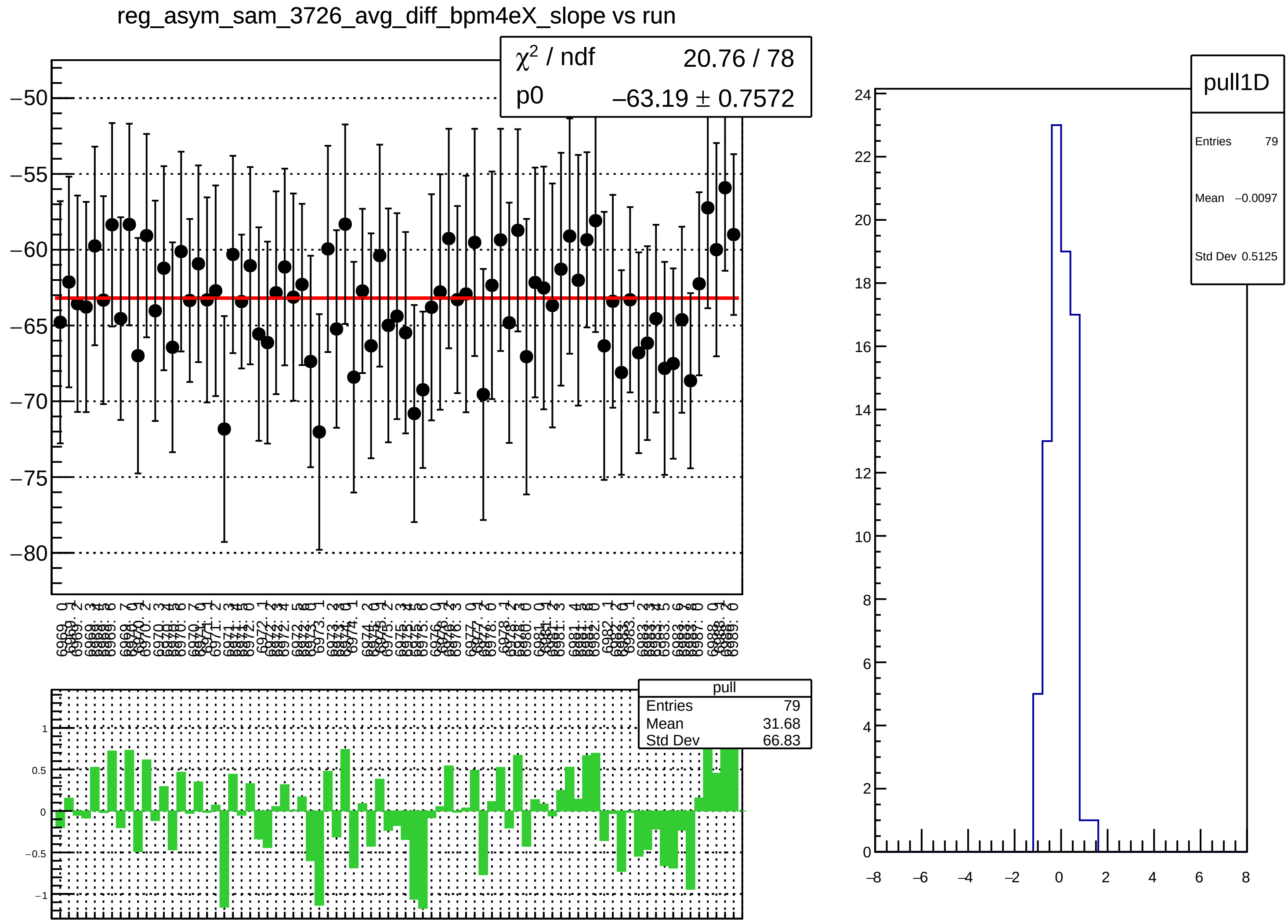


reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.99 / 78
p0 0.4222 ± 0.01205
pull
Entries 79
Mean 260.4
Std Dev 218.5
pull1D
Entries 79
Mean −0.01871
Std Dev 0.4203

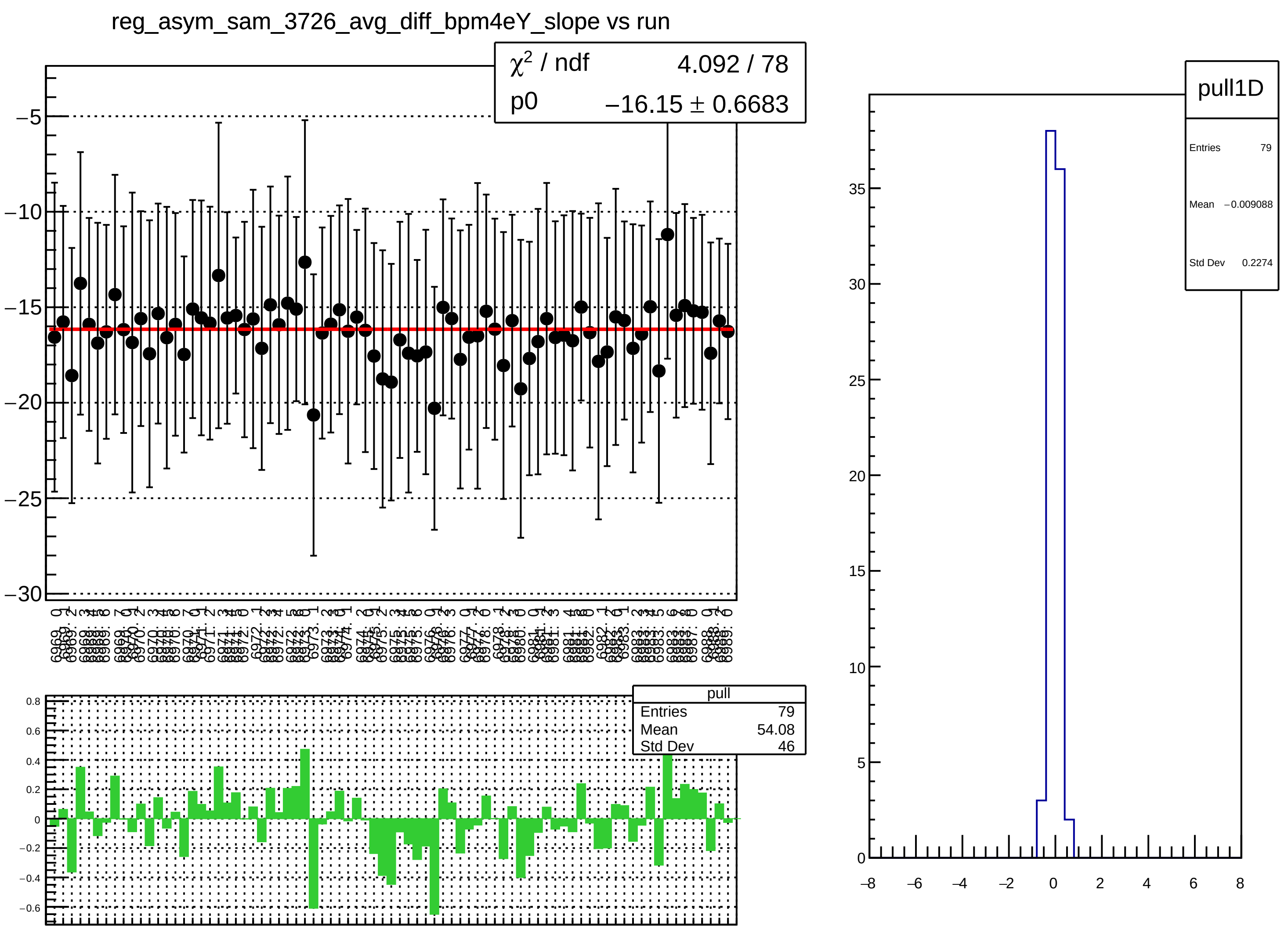

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 15.24 / 78
p0 −6.344 ± 0.8232
pull
Entries 79
Mean 322.4
Std Dev 241.1
pull1D
Entries 79
Mean −0.002601
Std Dev 0.4392

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run

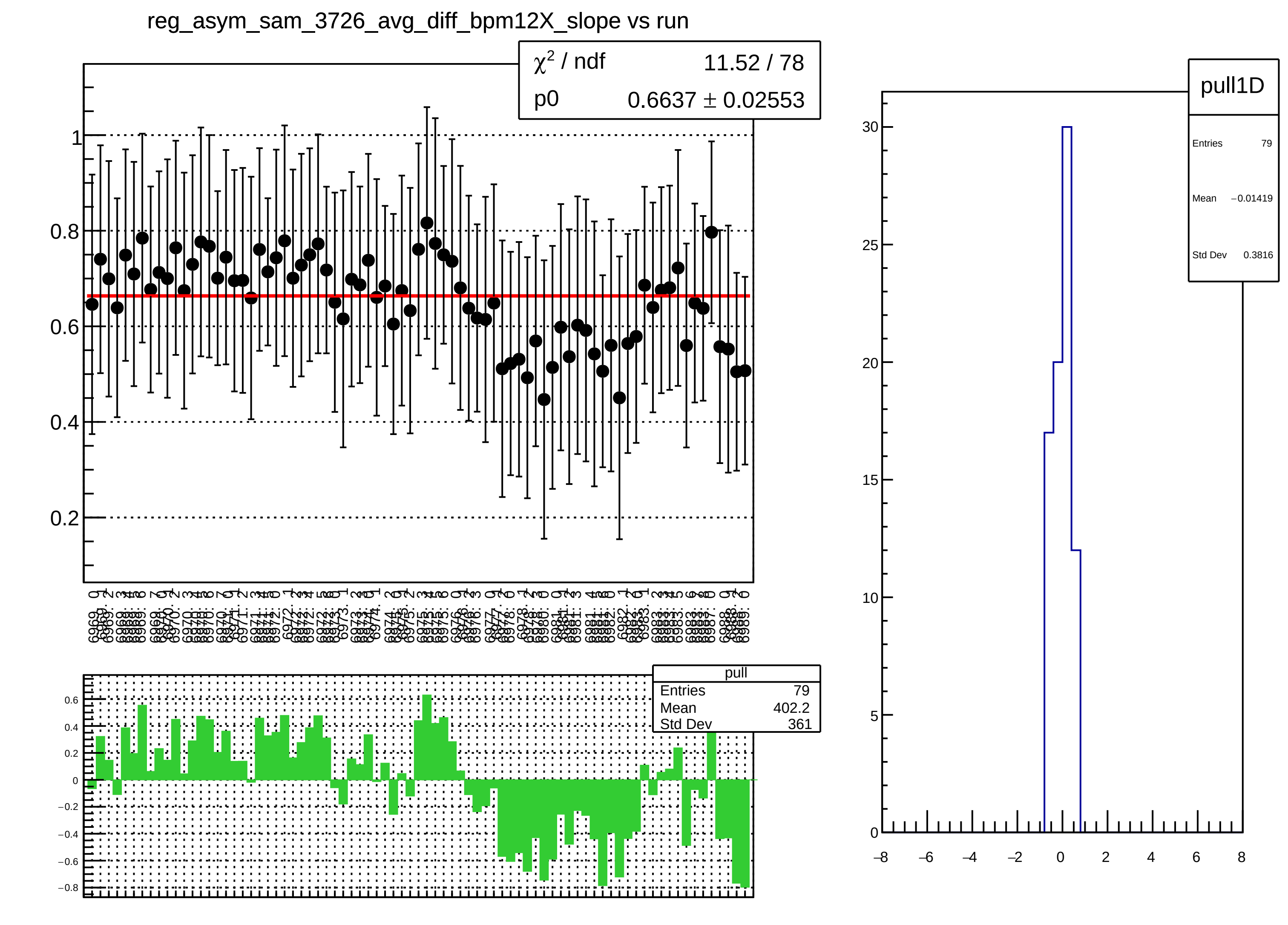




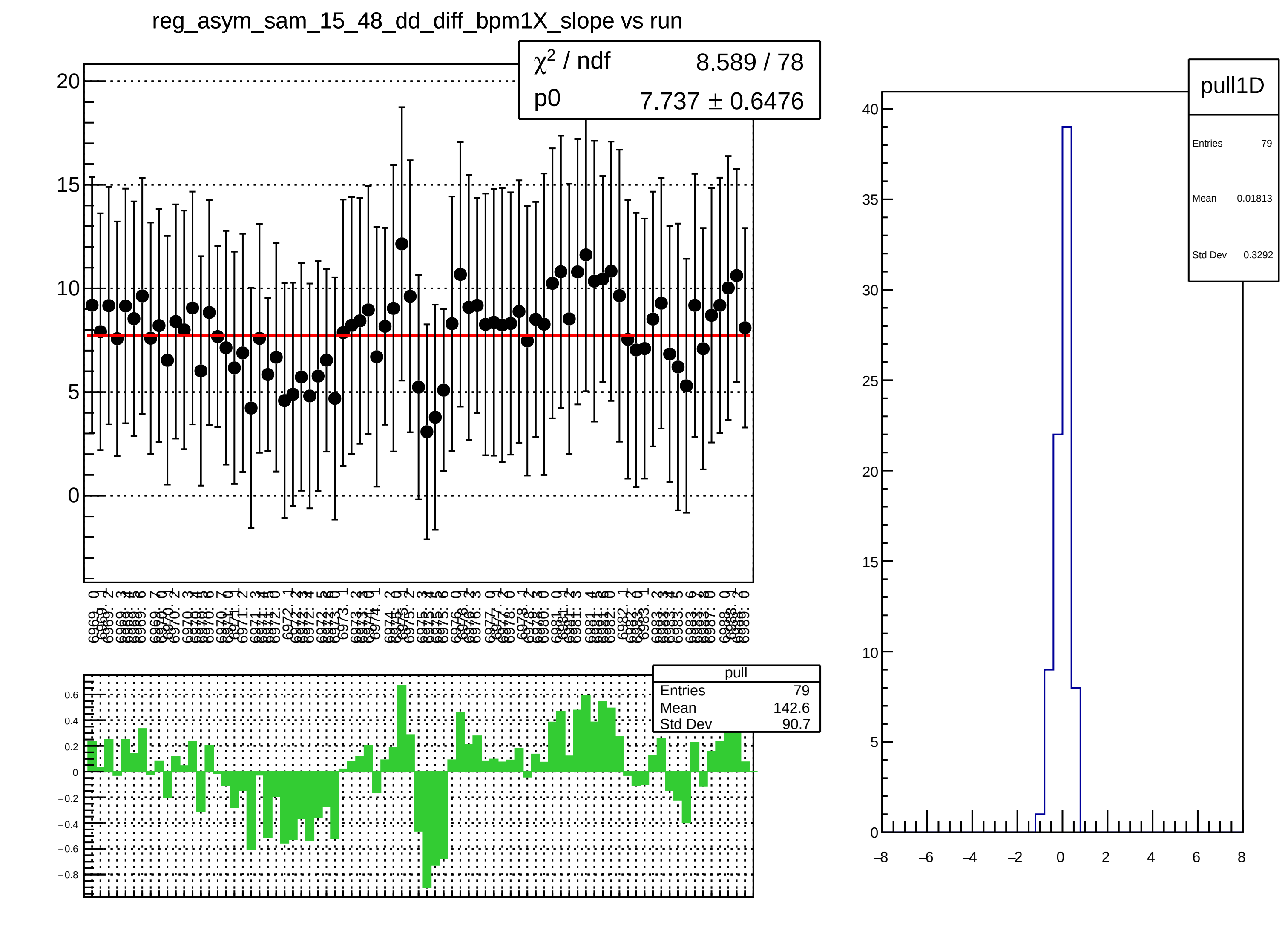
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 20.76 / 78
p0 −63.19 ± 0.7572
pull
Entries 79
Mean 31.68
Std Dev 66.83
pull1D
Entries 79
Mean −0.0097
Std Dev 0.5125

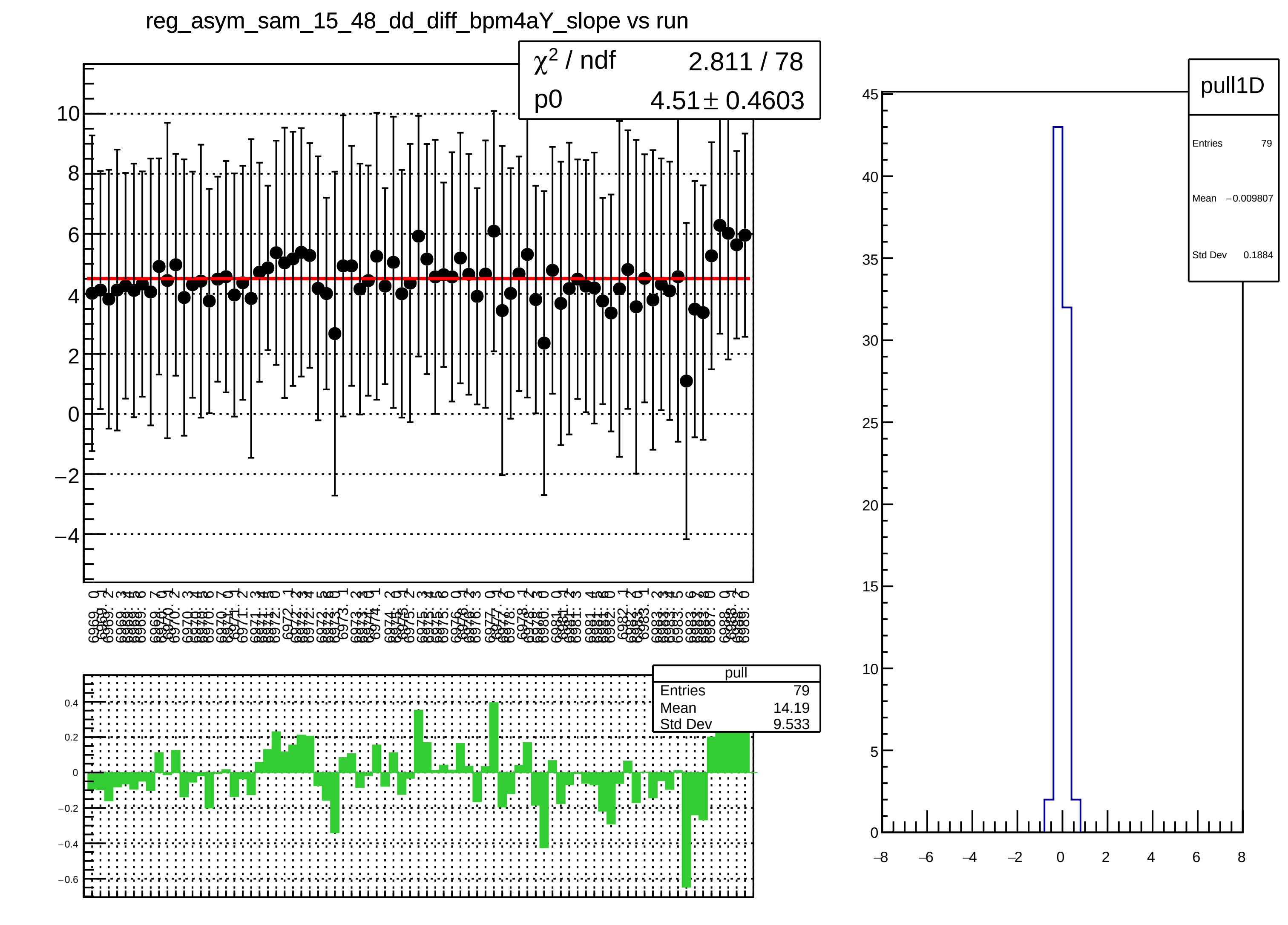


reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.092 / 78
p0 −16.15 ± 0.6683
pull
Entries 79
Mean 54.08
Std Dev 46
pull1D
Entries 79
Mean −0.009088
Std Dev 0.2274

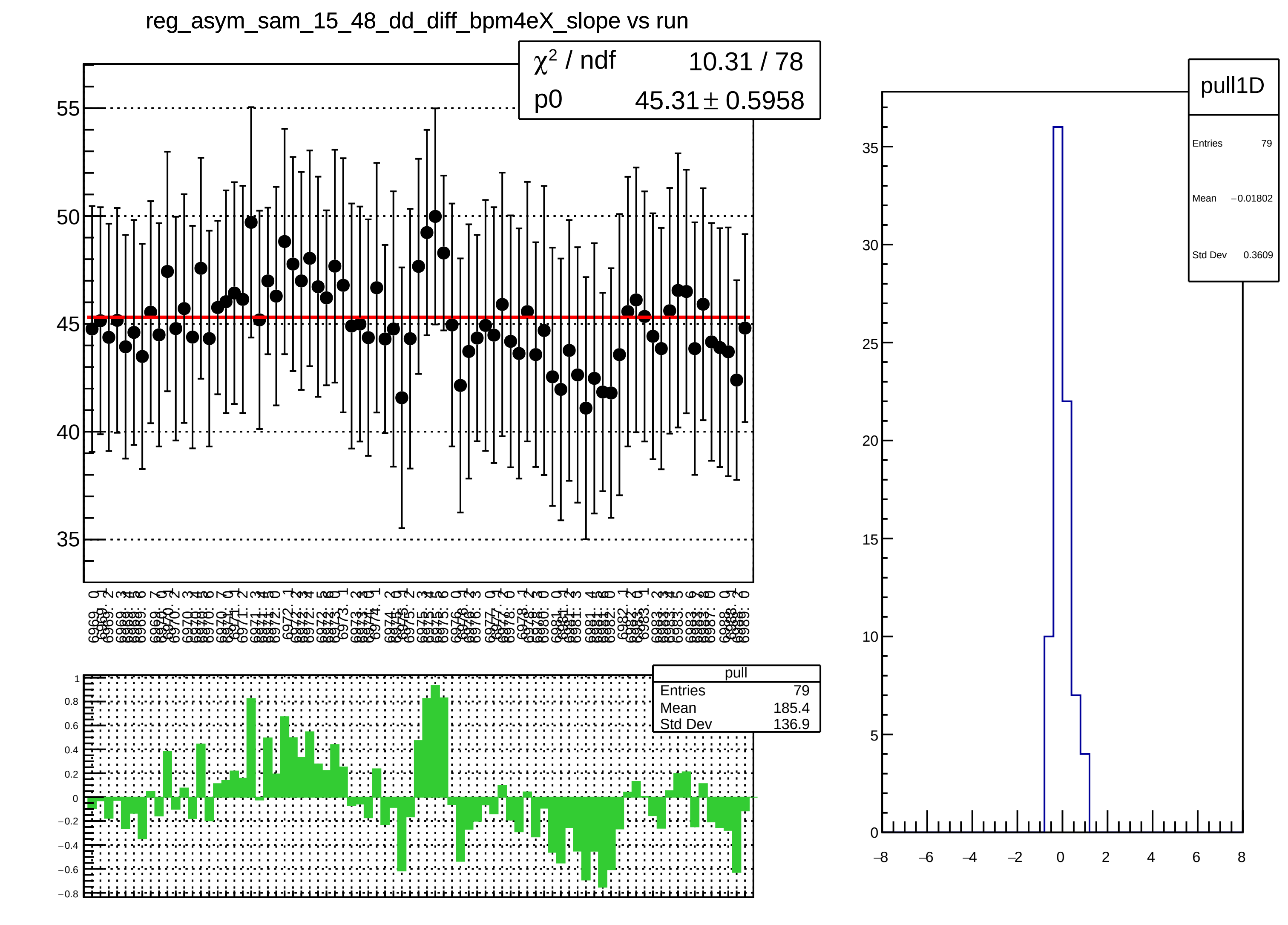


reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.52 / 78
p0 0.6637 ± 0.02553
pull
Entries 79
Mean 402.2
Std Dev 361
pull1D
Entries 79
Mean −0.01419
Std Dev 0.3816

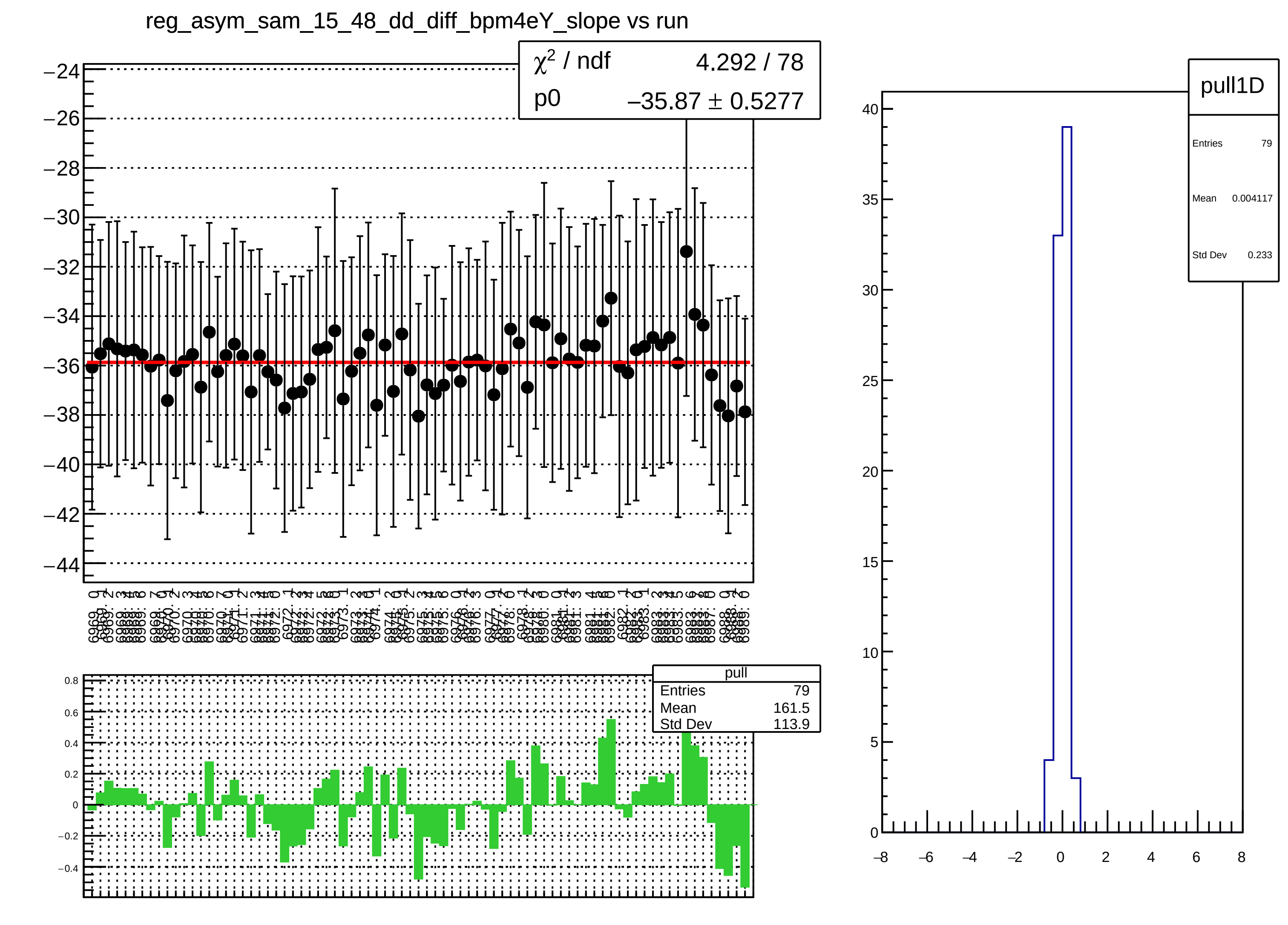

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.589 / 78
p0 7.737 ± 0.6476
pull
Entries 79
Mean 142.6
Std Dev 90.7
pull1D
Entries 79
Mean 0.01813
Std Dev 0.3292



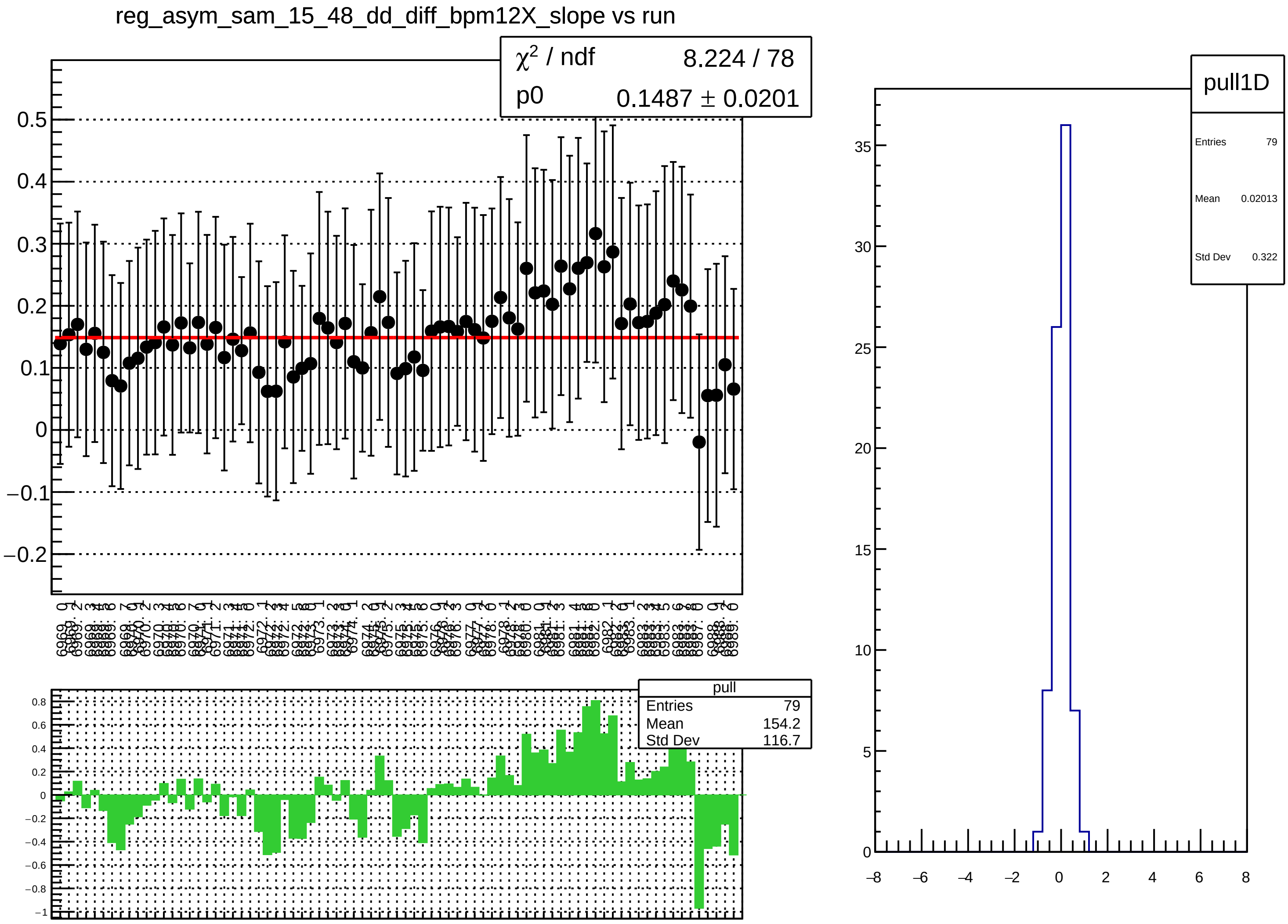
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.811 / 78
p0 4.51 ± 0.4603
pull
Entries 79
Mean 14.19
Std Dev 9.533
pull1D
Entries 79
Mean −0.009807
Std Dev 0.1884



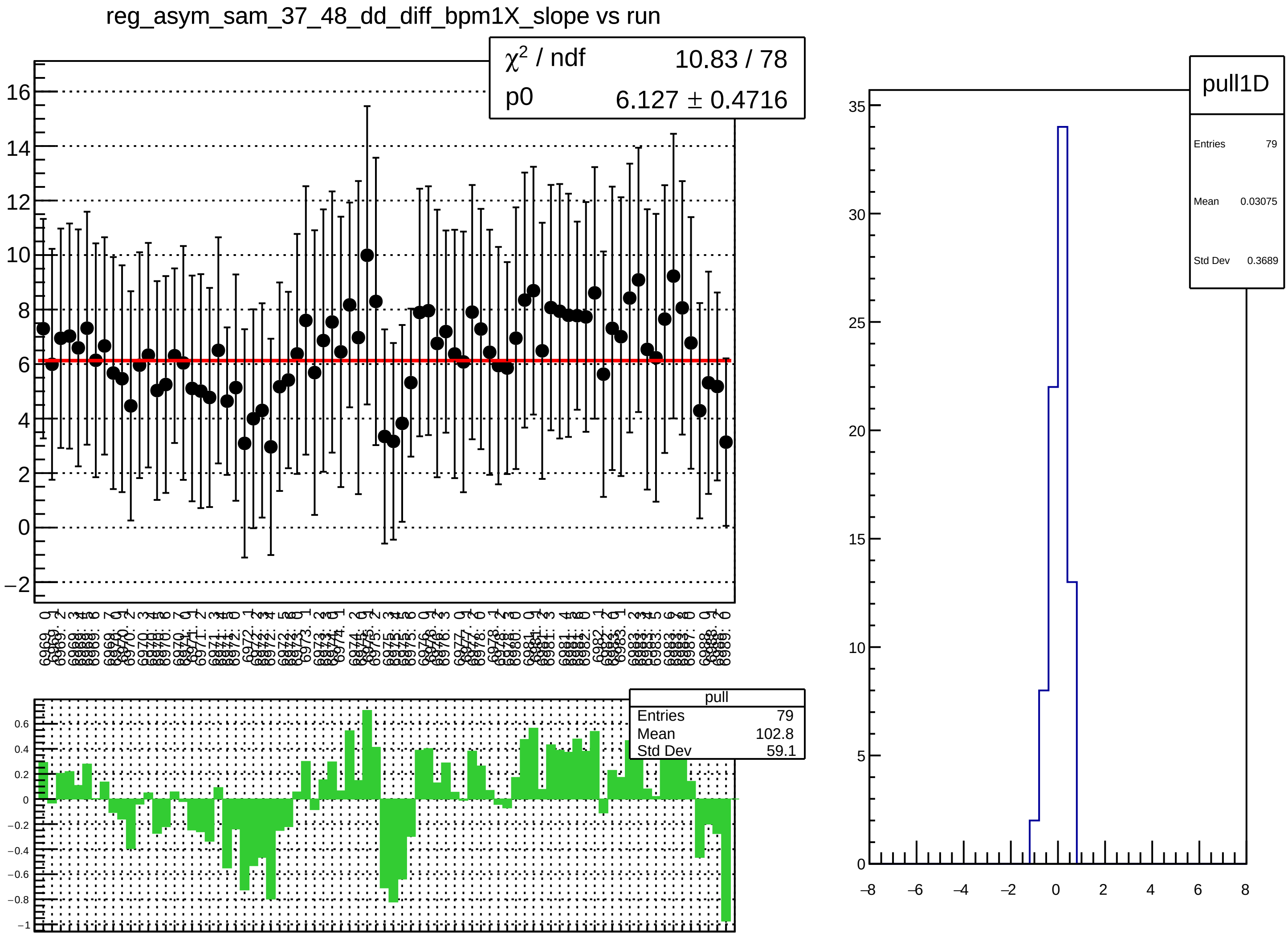
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 10.31 / 78
p0 45.31 ± 0.5958
pull
Entries 79
Mean 185.4
Std Dev 136.9
pull1D
Entries 79
Mean −0.01802
Std Dev 0.3609



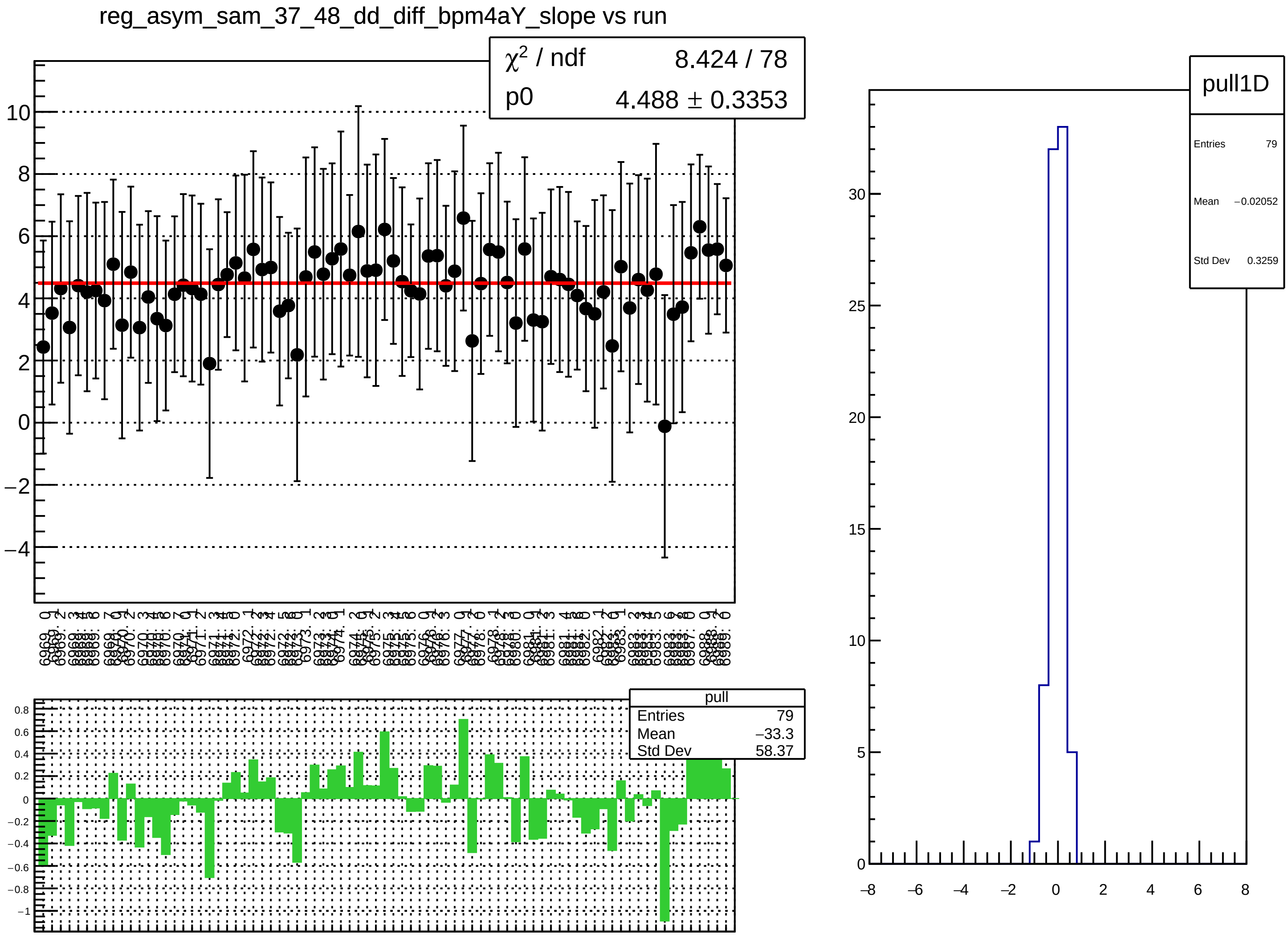
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.292 / 78
p0 −35.87 ± 0.5277
pull
Entries 79
Mean 161.5
Std Dev 113.9
pull1D
Entries 79
Mean 0.004117
Std Dev 0.233



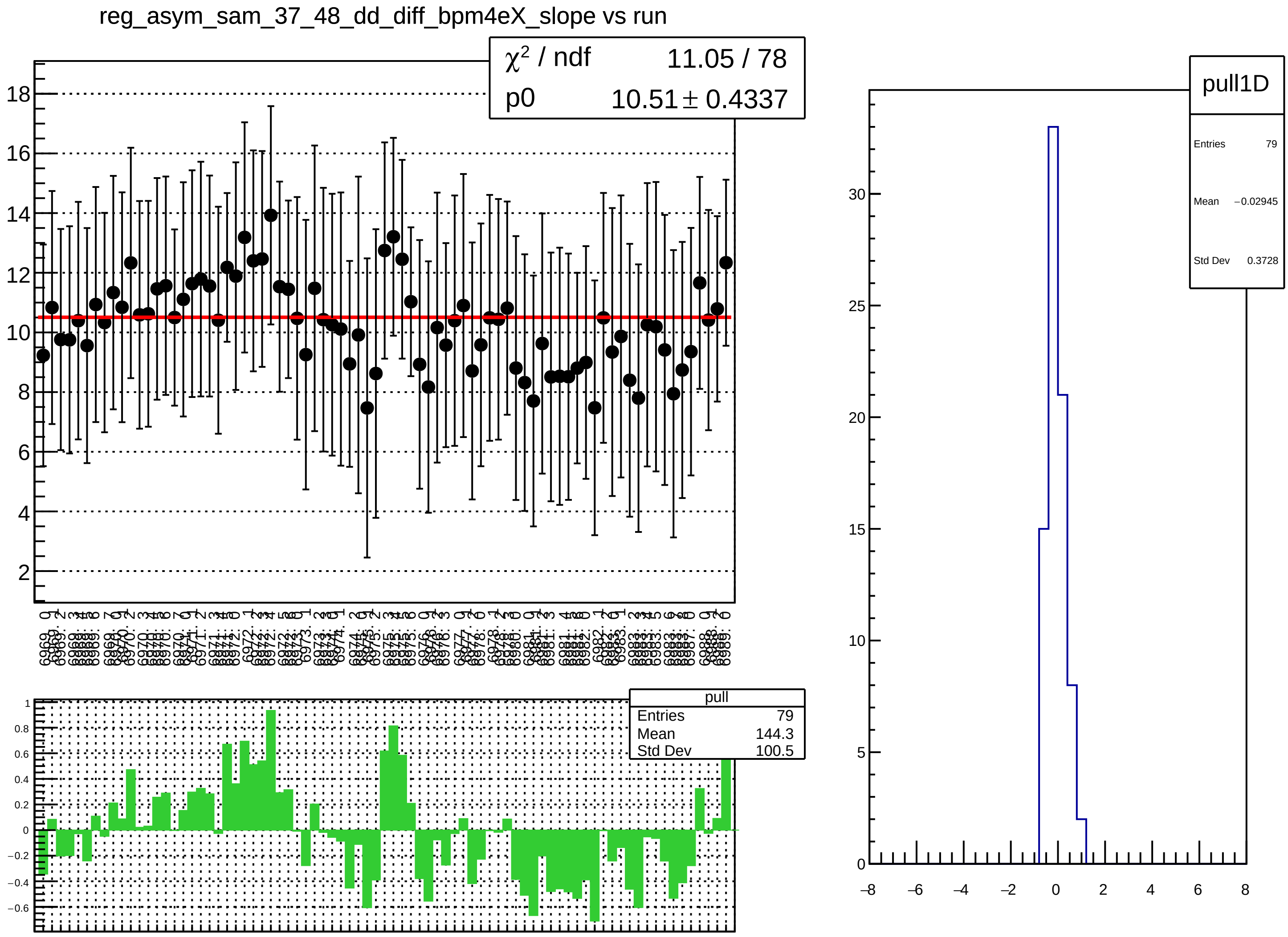
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.224 / 78
p0 0.1487 ± 0.0201
pull
Entries 79
Mean 154.2
Std Dev 116.7
pull1D
Entries 79
Mean 0.02013
Std Dev 0.322



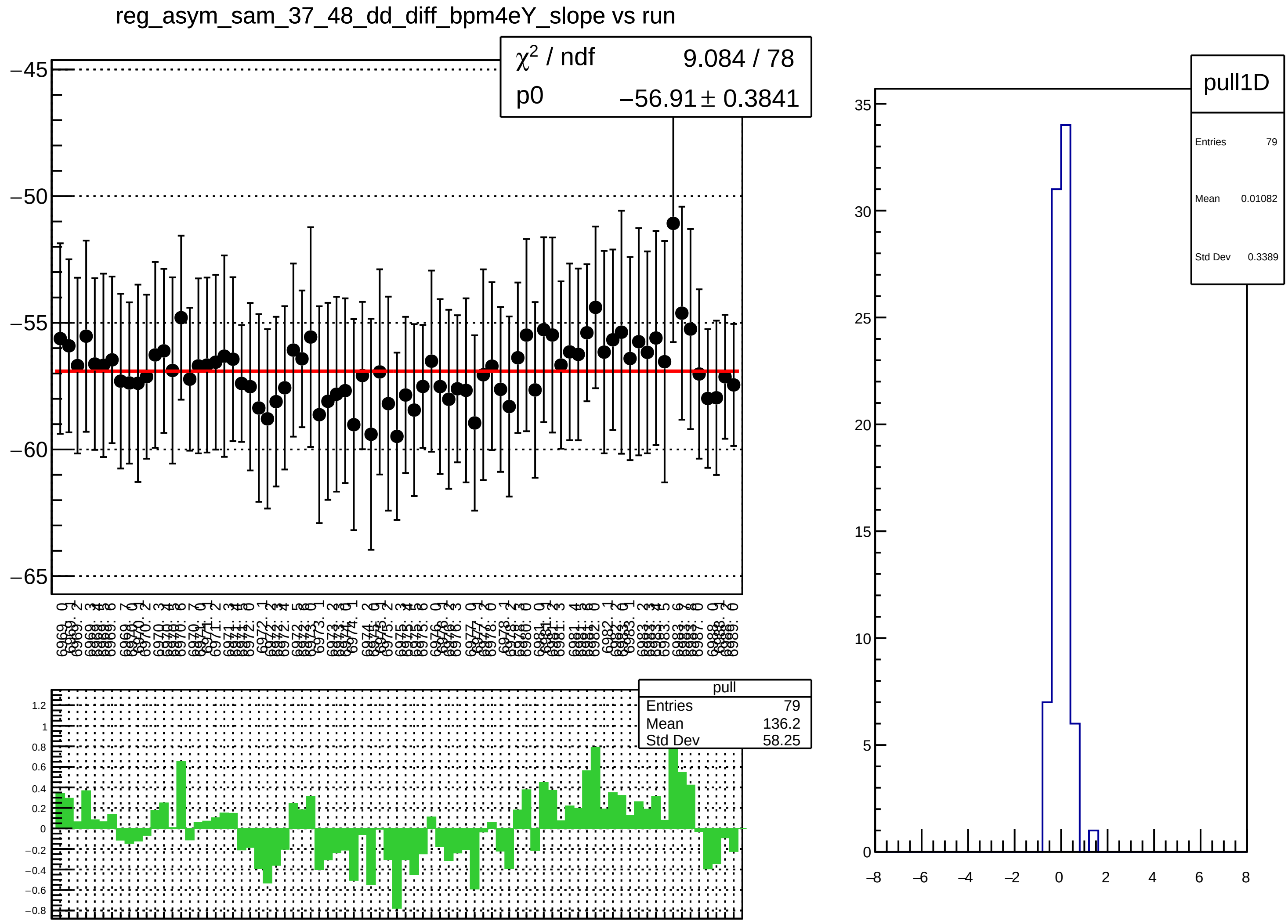
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.83 / 78
p0 6.127 ± 0.4716
pull
Entries 79
Mean 102.8
Std Dev 59.1
pull1D
Entries 79
Mean 0.03075
Std Dev 0.3689



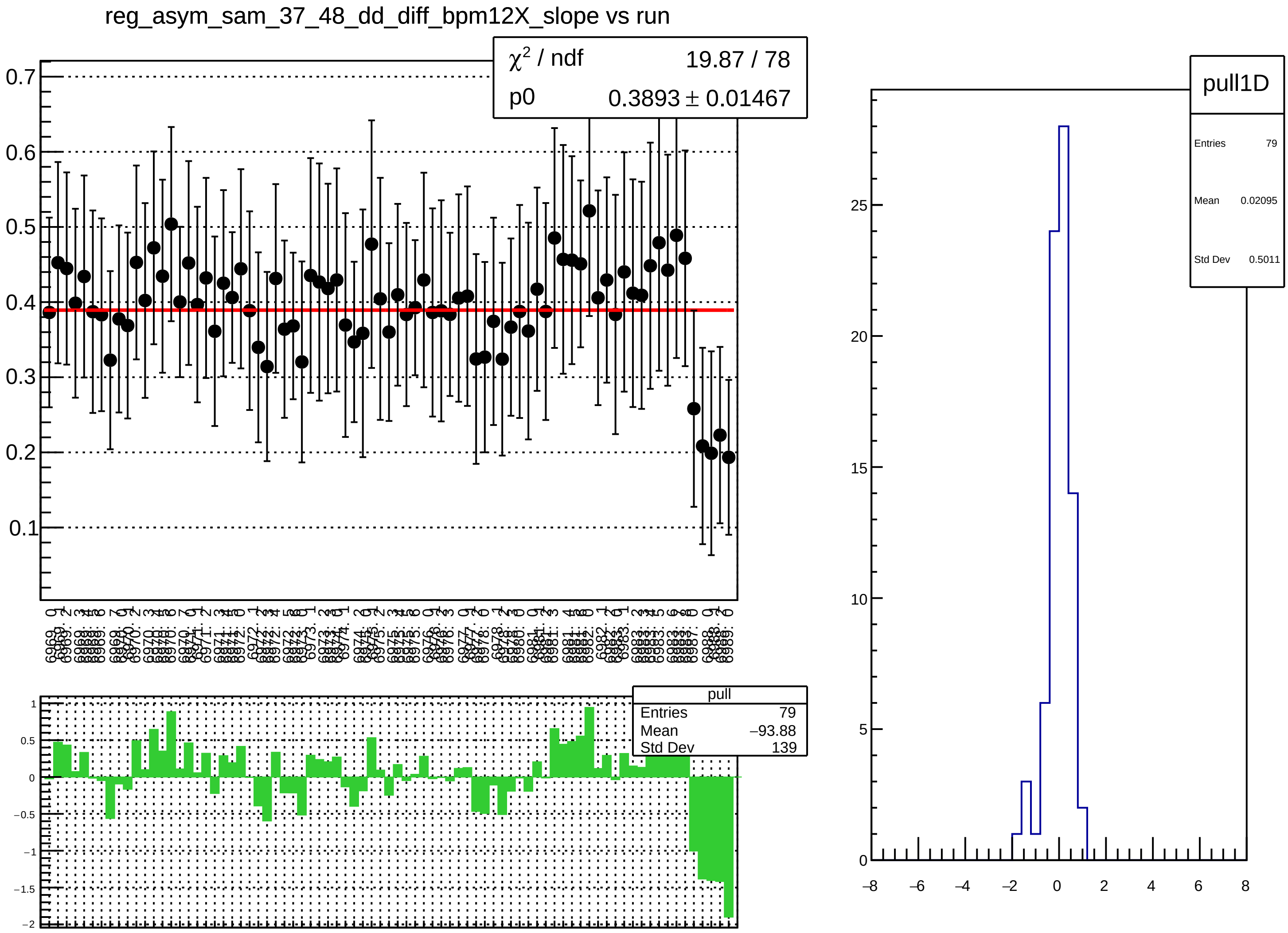
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.424 / 78
p0 4.488 ± 0.3353
pull
Entries 79
Mean −33.3
Std Dev 58.37
pull1D
Entries 79
Mean −0.02052
Std Dev 0.3259



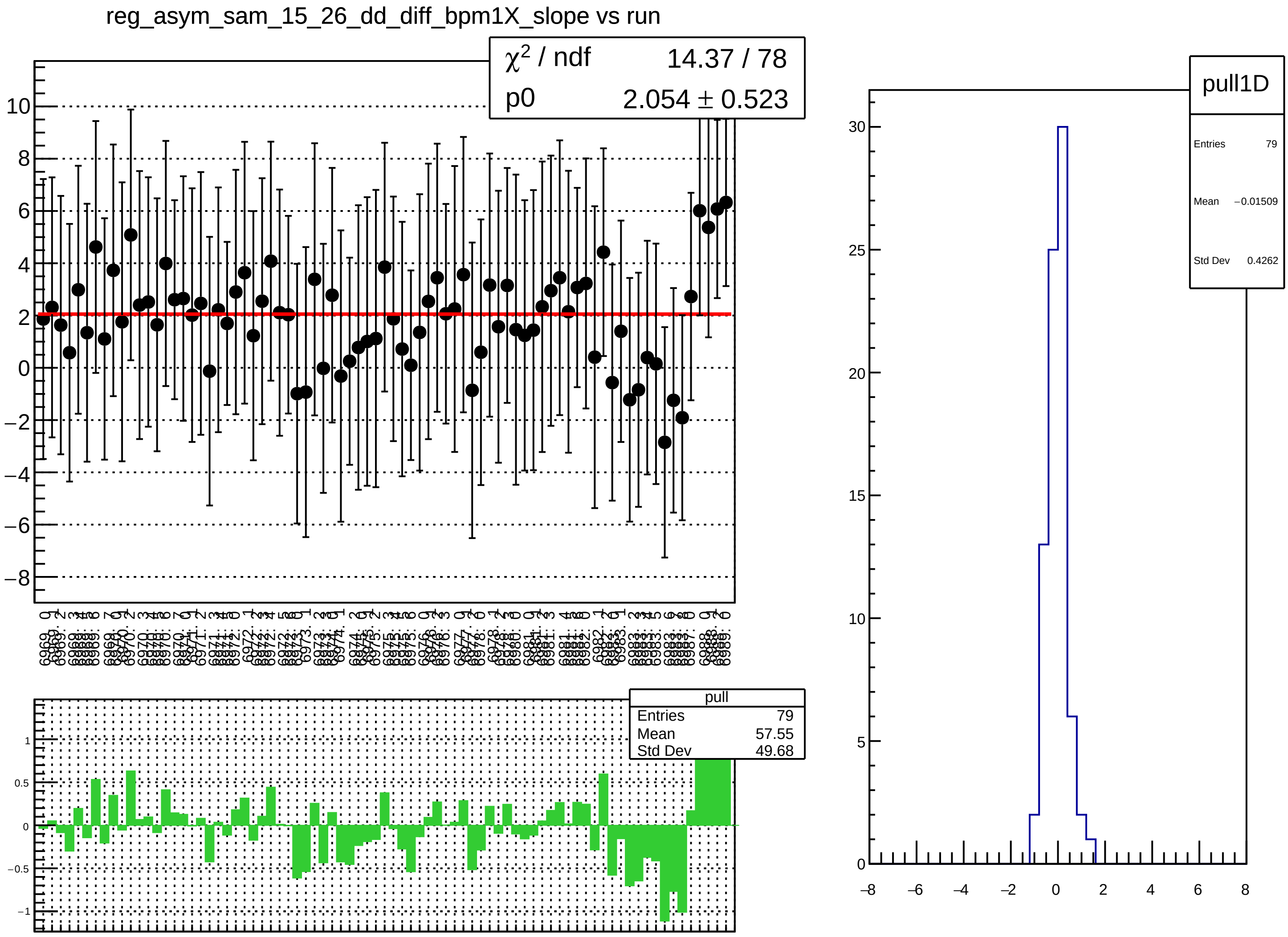
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.05 / 78
p0 10.51 ± 0.4337
pull
Entries 79
Mean 144.3
Std Dev 100.5
pull1D
Entries 79
Mean −0.02945
Std Dev 0.3728

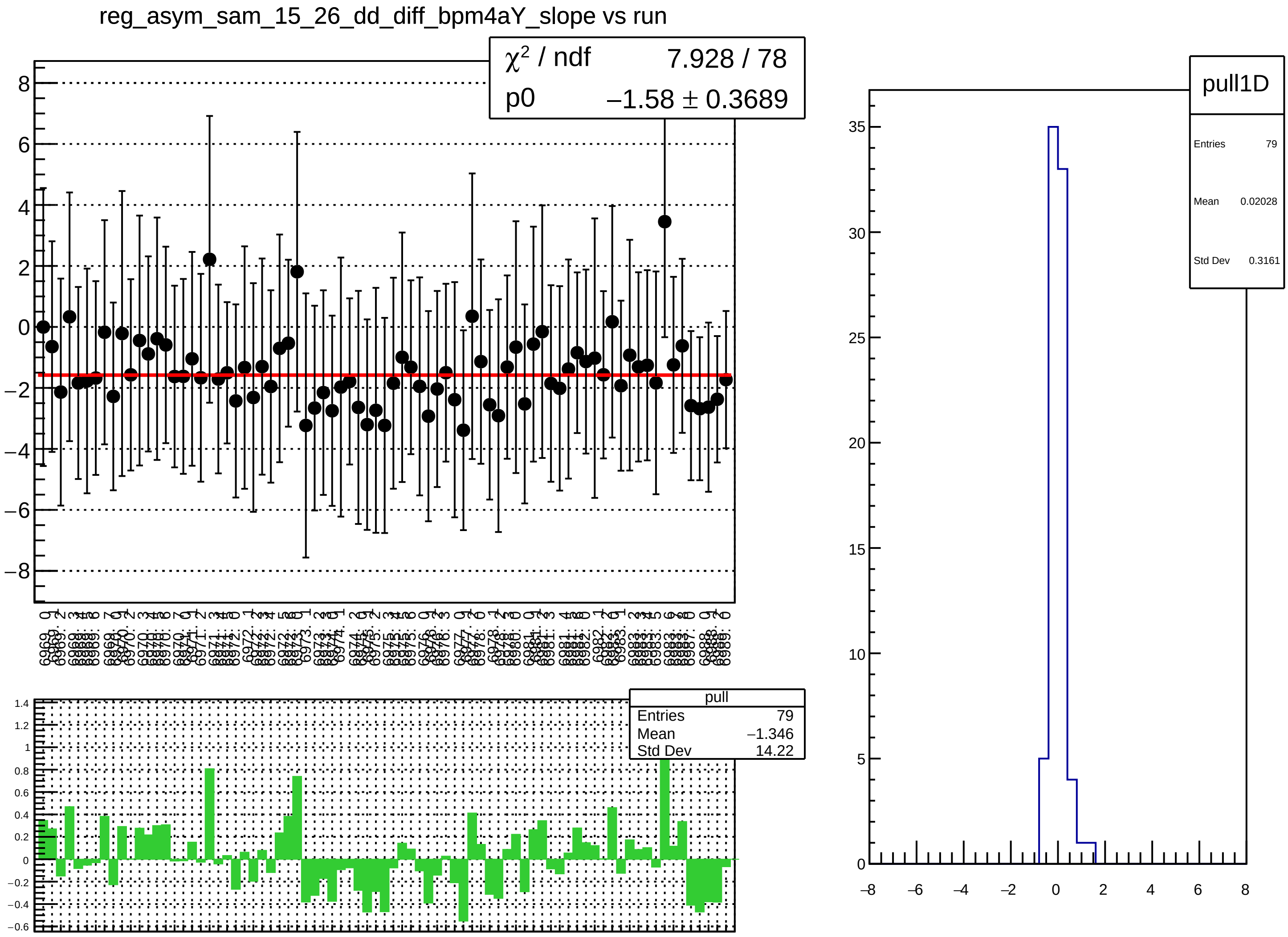


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.084 / 78
p0 −56.91 ± 0.3841
pull
Entries 79
Mean 136.2
Std Dev 58.25
pull1D
Entries 79
Mean 0.01082
Std Dev 0.3389

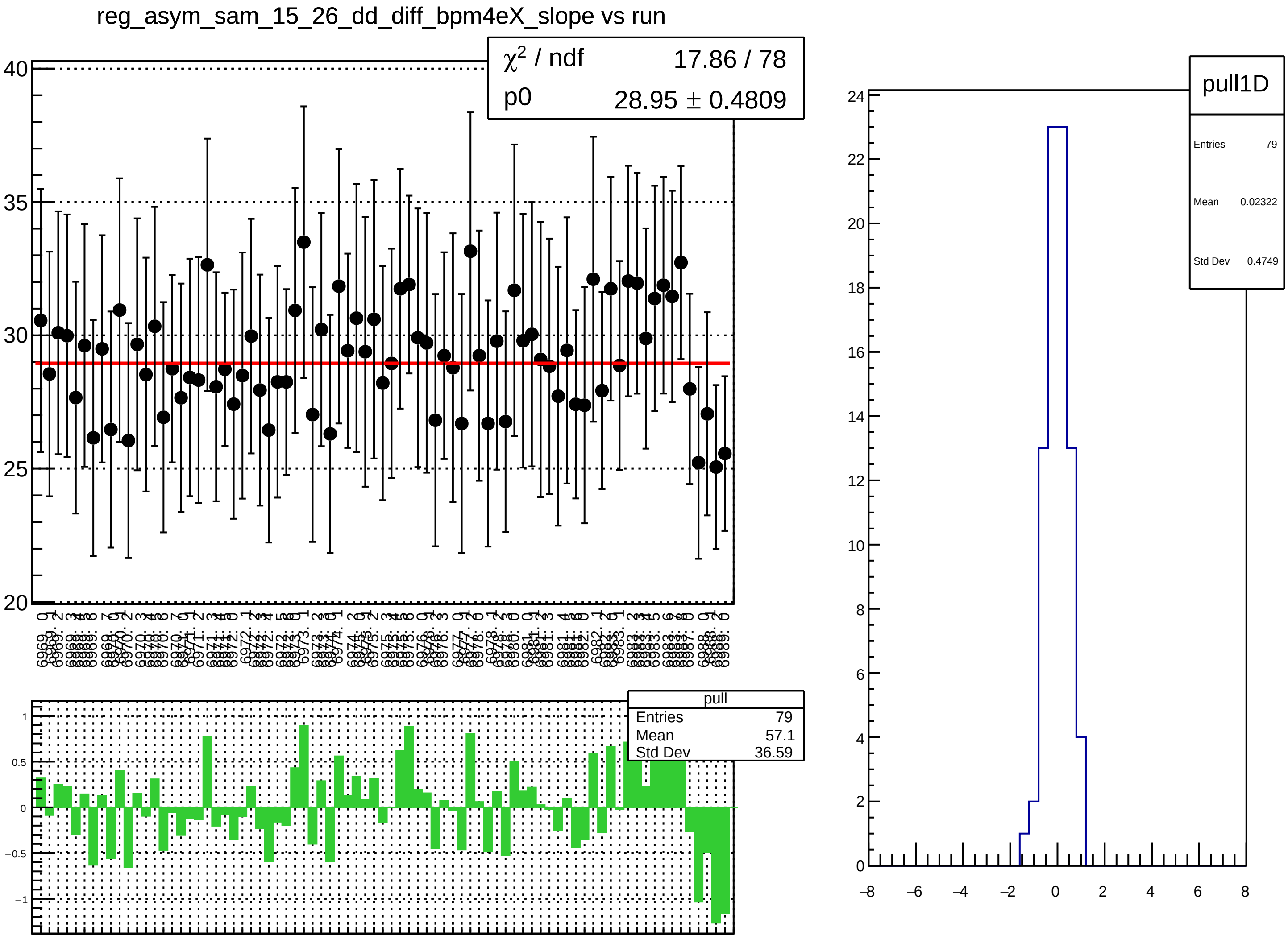


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 19.87 / 78
p0 0.3893 ± 0.01467
pull
Entries 79
Mean −93.88
Std Dev 139
pull1D
Entries 79
Mean 0.02095
Std Dev 0.5011

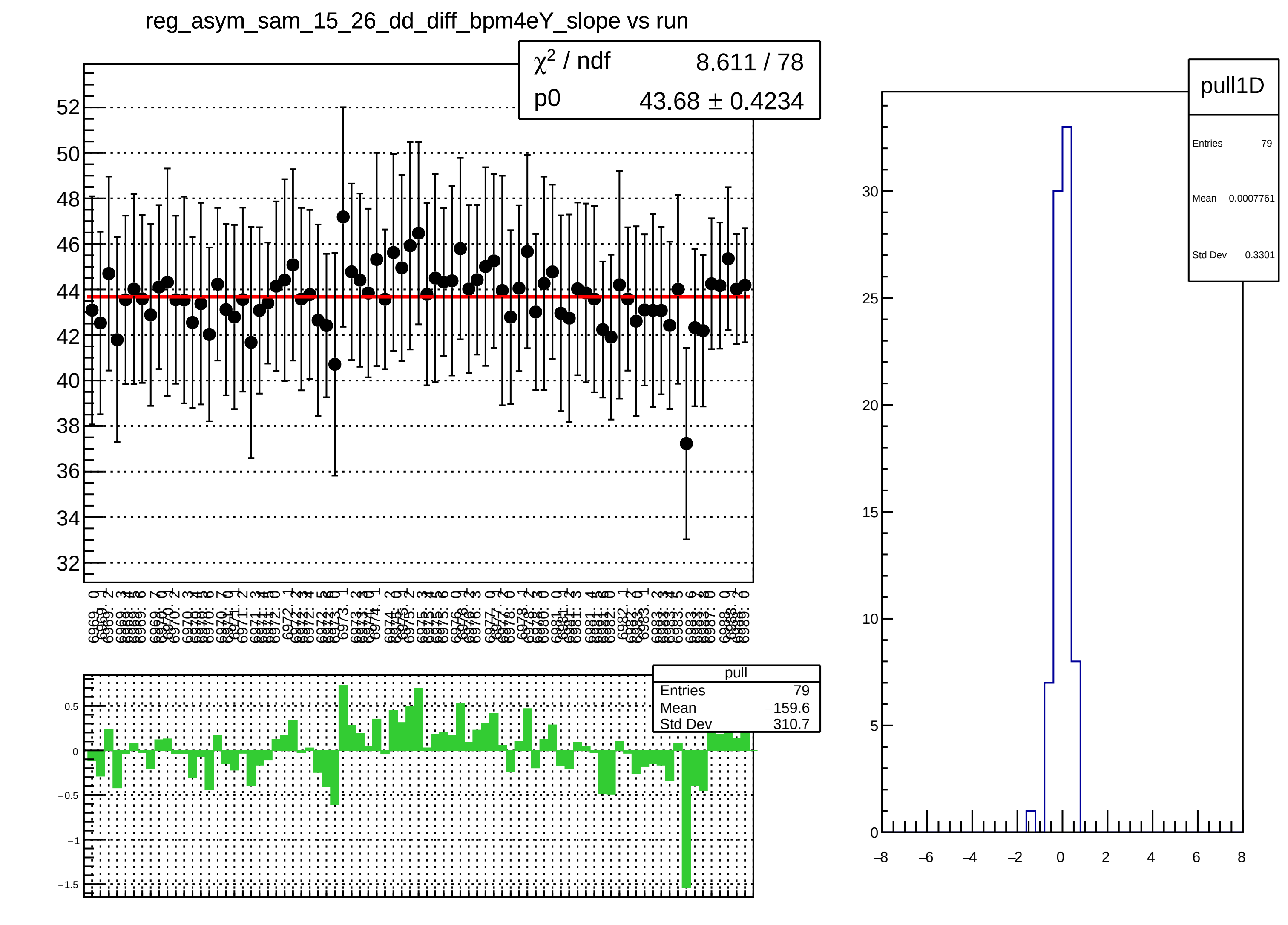

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 14.37 / 78
p0 2.054 ± 0.523
pull
Entries 79
Mean 57.55
Std Dev 49.68
pull1D
Entries 79
Mean −0.01509
Std Dev 0.4262



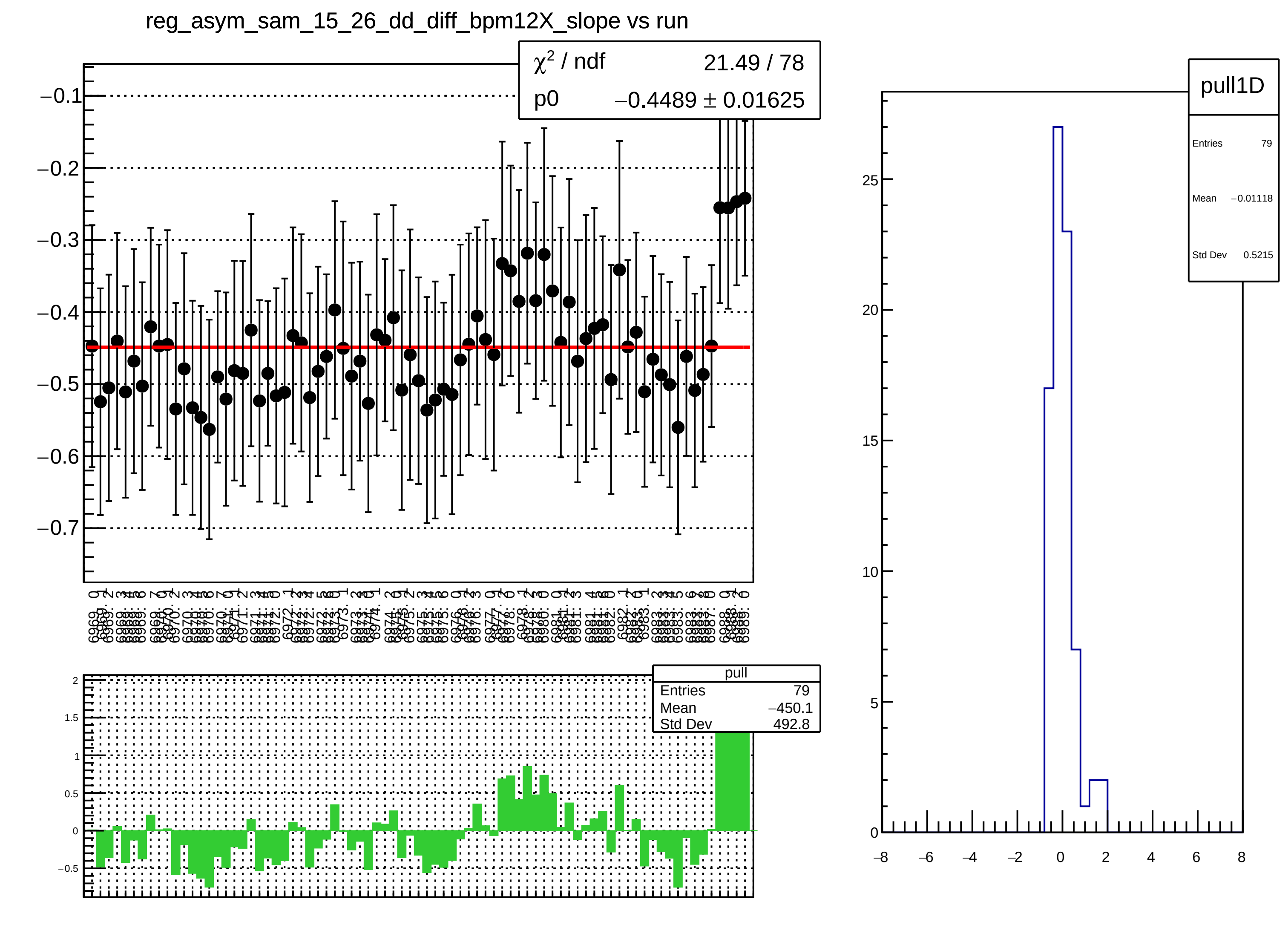
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.928 / 78
p0 −1.58 ± 0.3689
pull
Entries 79
Mean −1.346
Std Dev 14.22
pull1D
Entries 79
Mean 0.02028
Std Dev 0.3161



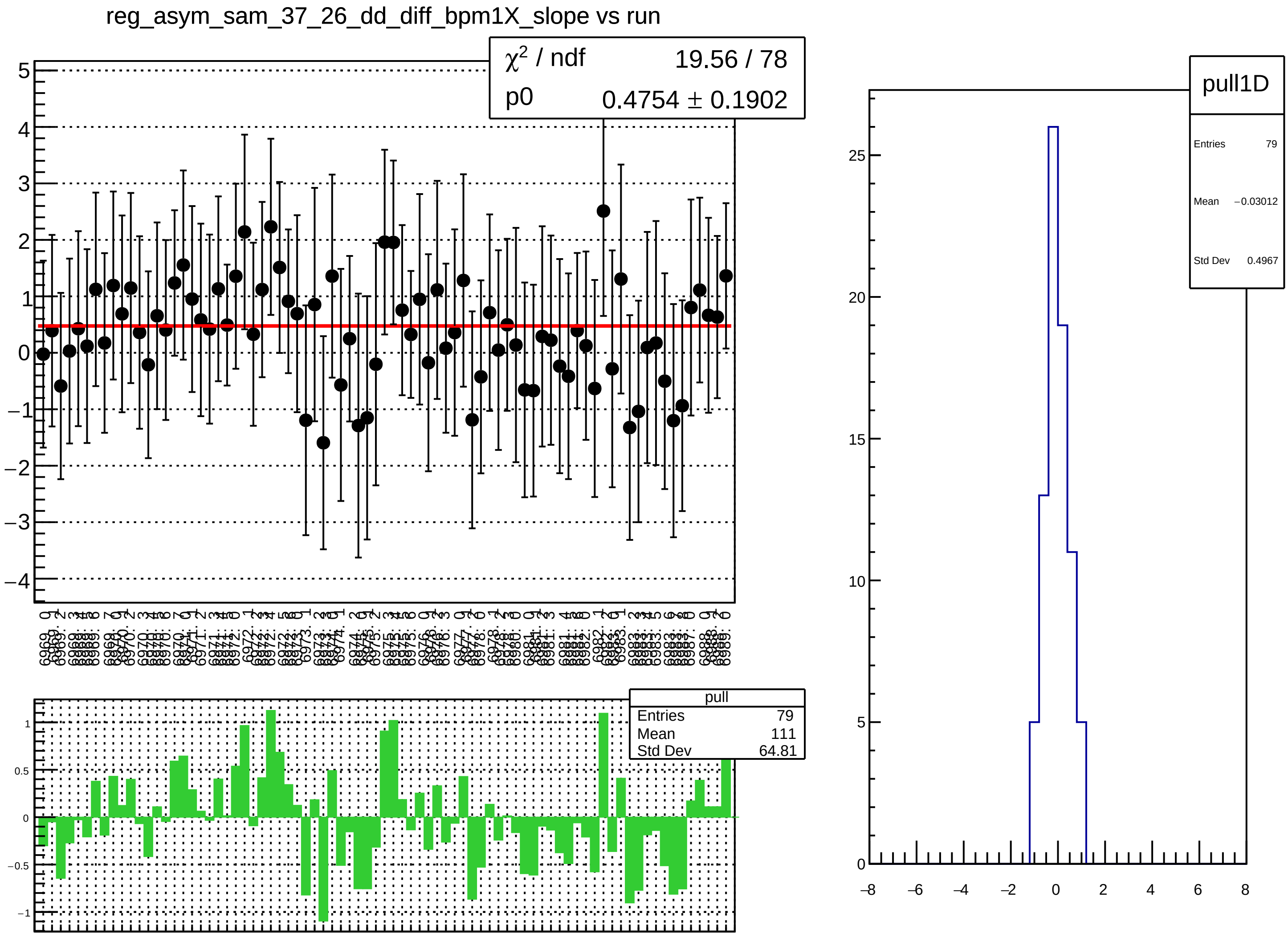
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 17.86 / 78
p0 28.95 ± 0.4809
pull
Entries 79
Mean 57.1
Std Dev 36.59
pull1D
Entries 79
Mean 0.02322
Std Dev 0.4749



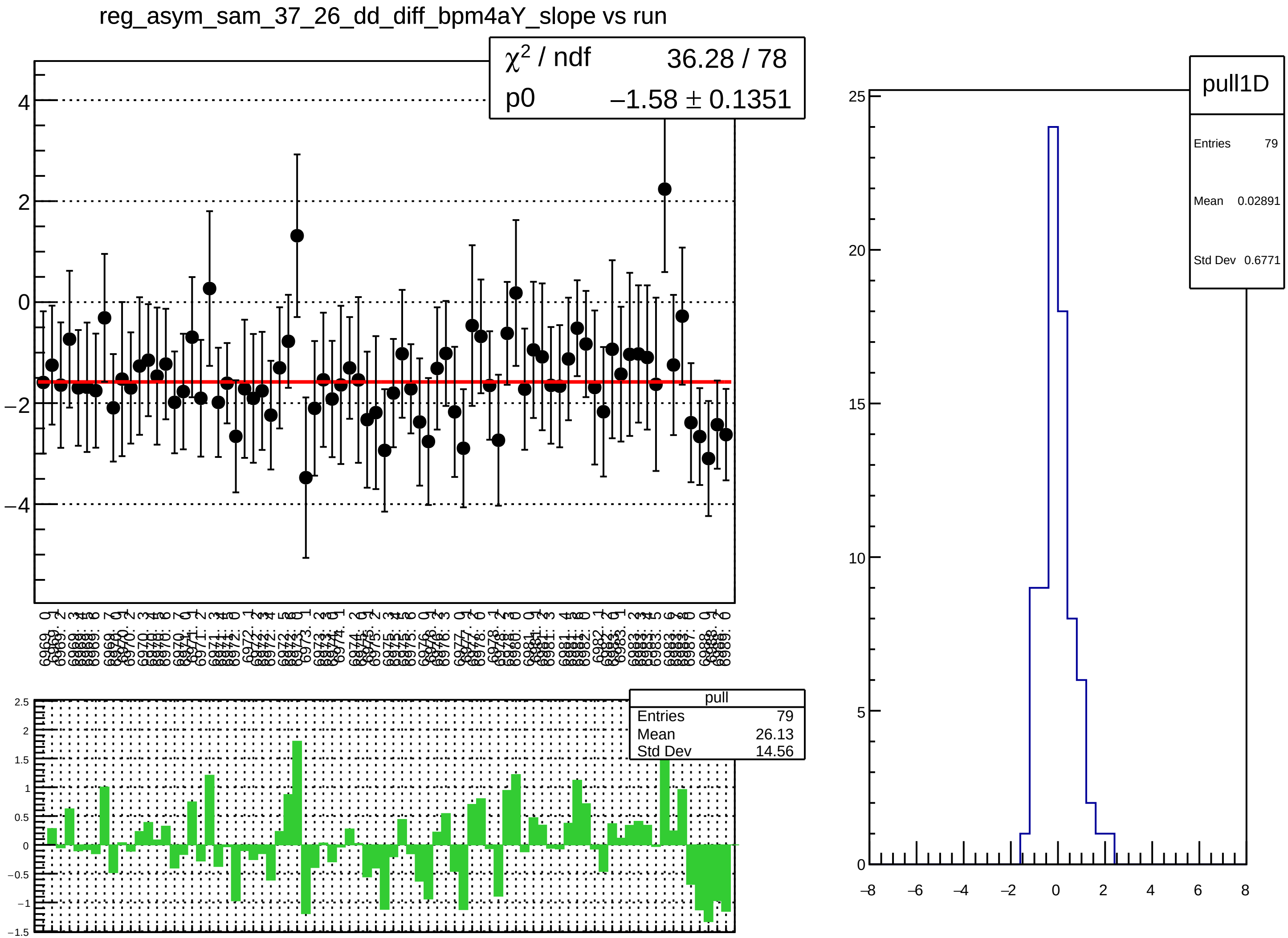
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.611 / 78
p0 43.68 ± 0.4234
pull
Entries 79
Mean −159.6
Std Dev 310.7
pull1D
Entries 79
Mean 0.0007761
Std Dev 0.3301



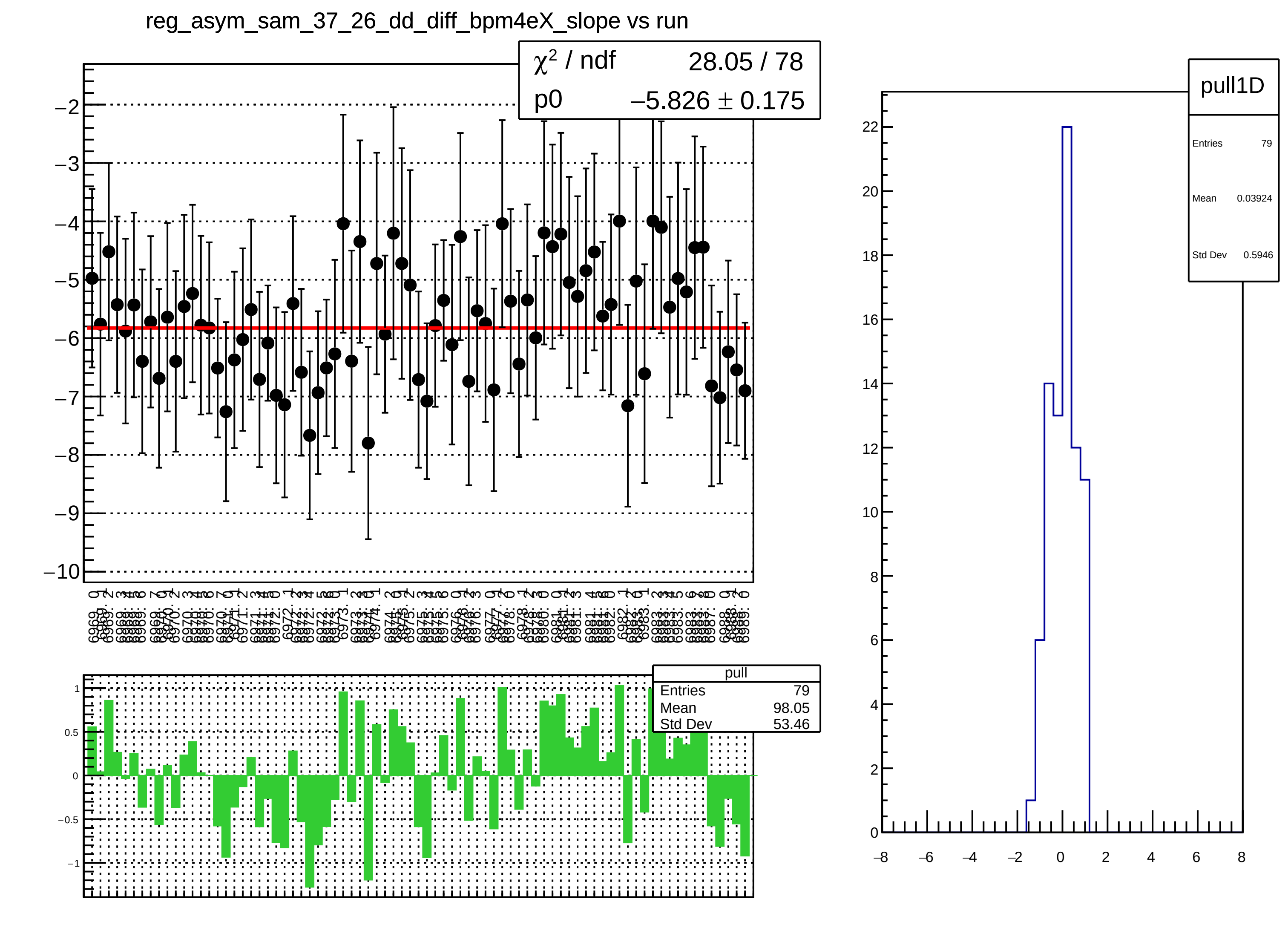
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 21.49 / 78
p0 −0.4489 ± 0.01625
pull
Entries 79
Mean −450.1
Std Dev 492.8
pull1D
Entries 79
Mean −0.01118
Std Dev 0.5215



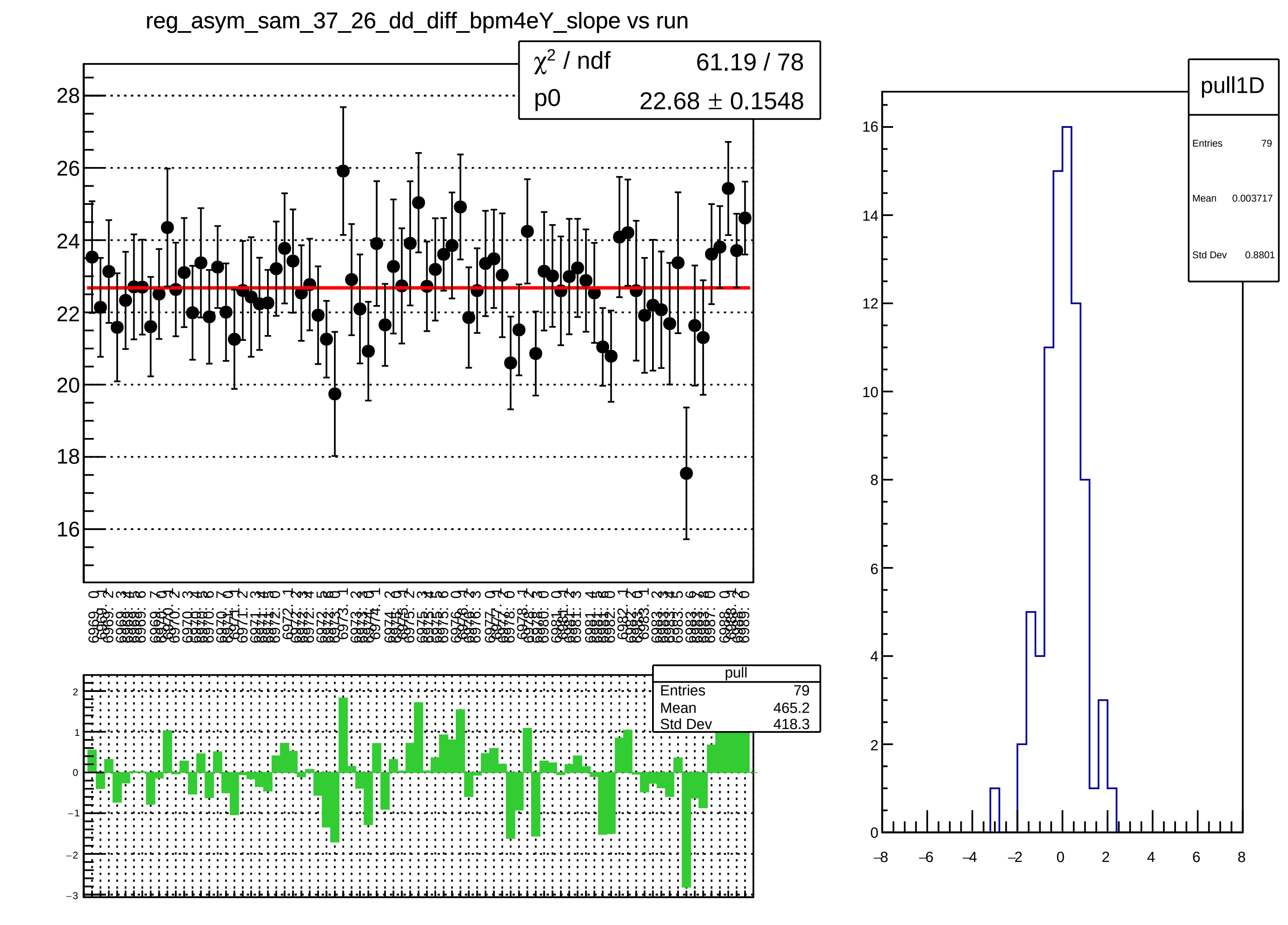
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 19.56 / 78
p0 0.4754 ± 0.1902
pull
Entries 79
Mean 111
Std Dev 64.81
pull1D
Entries 79
Mean −0.03012
Std Dev 0.4967



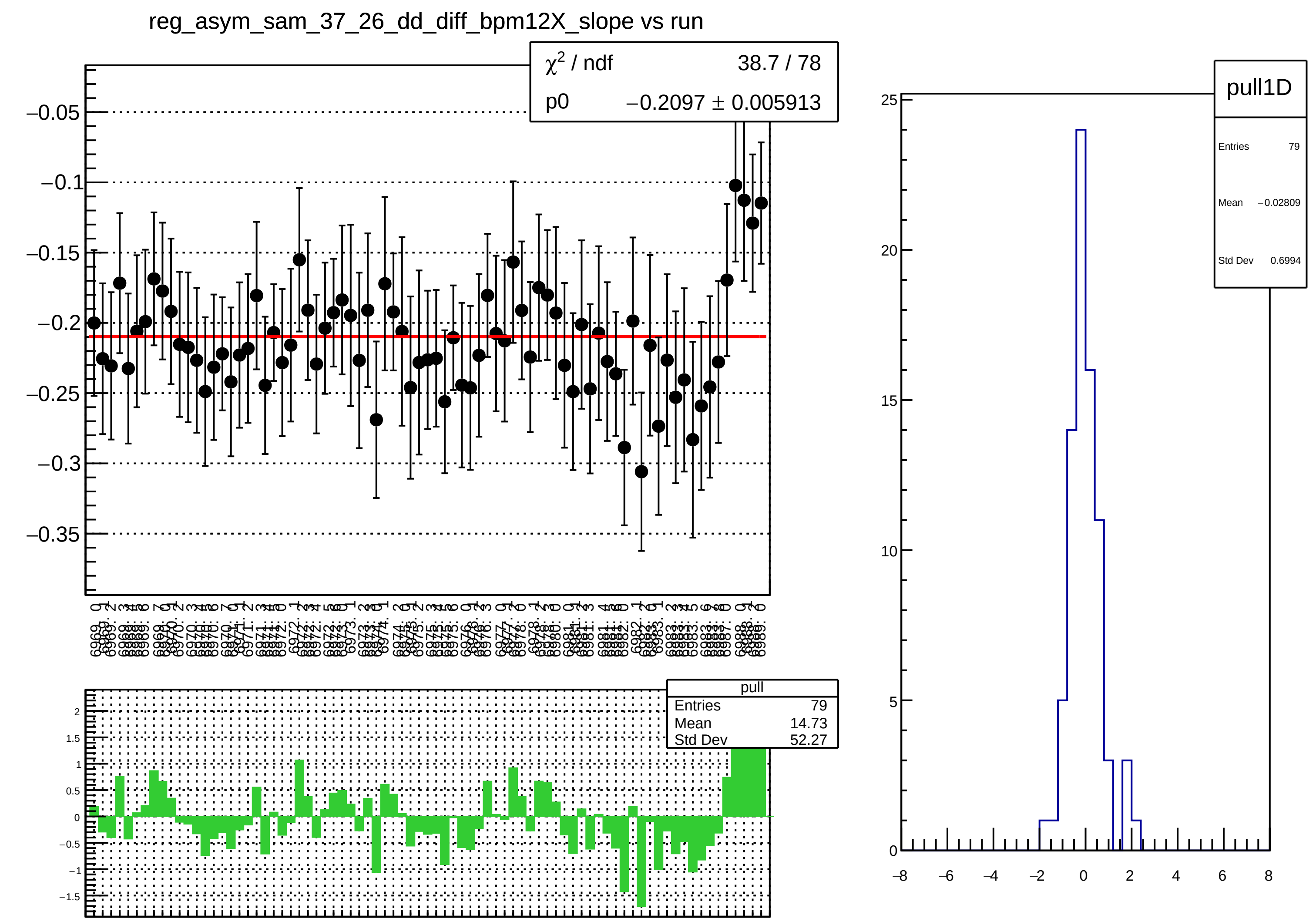
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.28 / 78
p0 −1.58 ± 0.1351
pull
Entries 79
Mean 26.13
Std Dev 14.56
pull1D
Entries 79
Mean 0.02891
Std Dev 0.6771



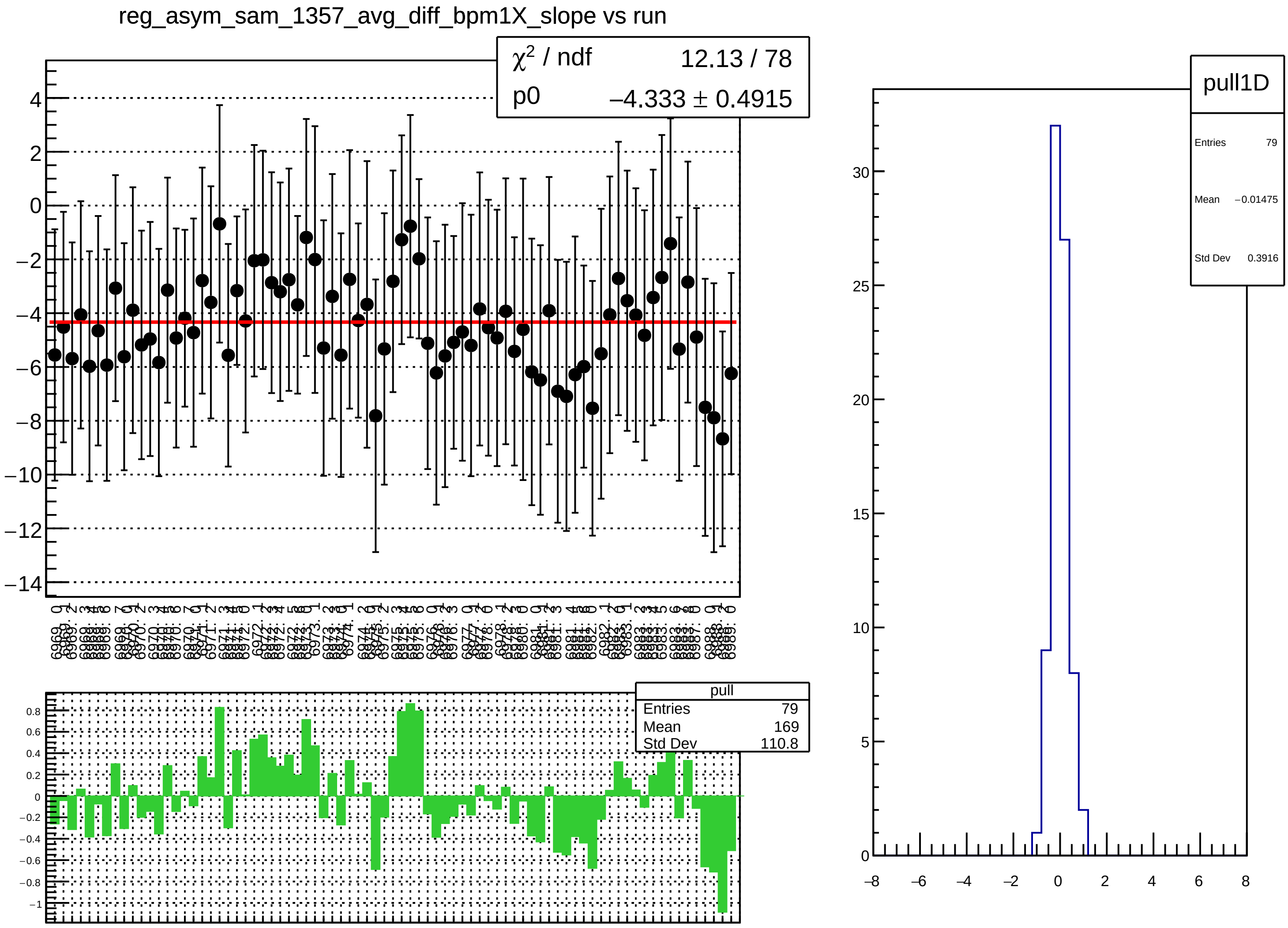
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 28.05 / 78
p0 −5.826 ± 0.175
pull
Entries 79
Mean 98.05
Std Dev 53.46
pull1D
Entries 79
Mean 0.03924
Std Dev 0.5946



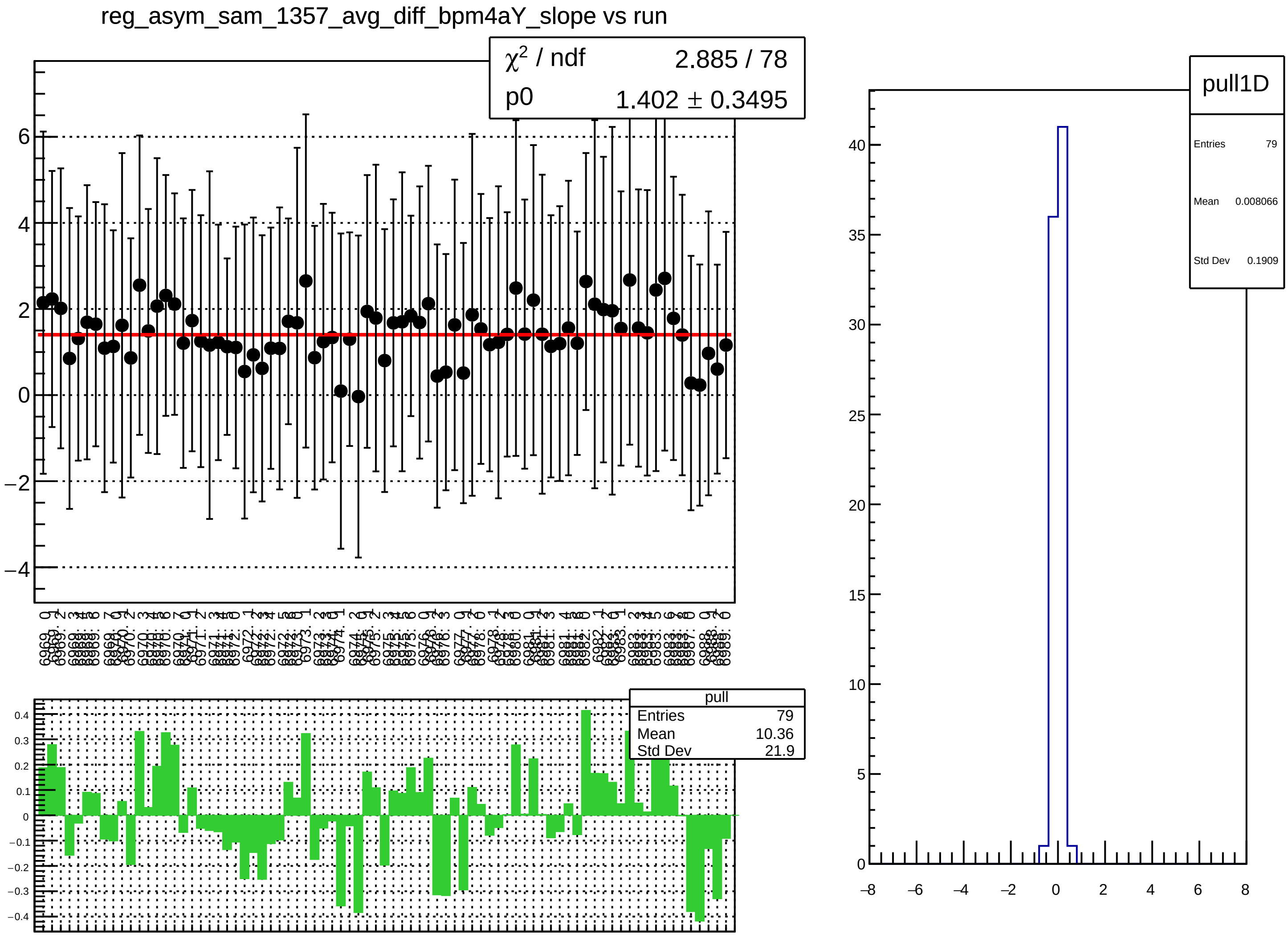
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 61.19 / 78
p0 22.68 ± 0.1548
pull
Entries 79
Mean 465.2
Std Dev 418.3
pull1D
Entries 79
Mean 0.003717
Std Dev 0.8801



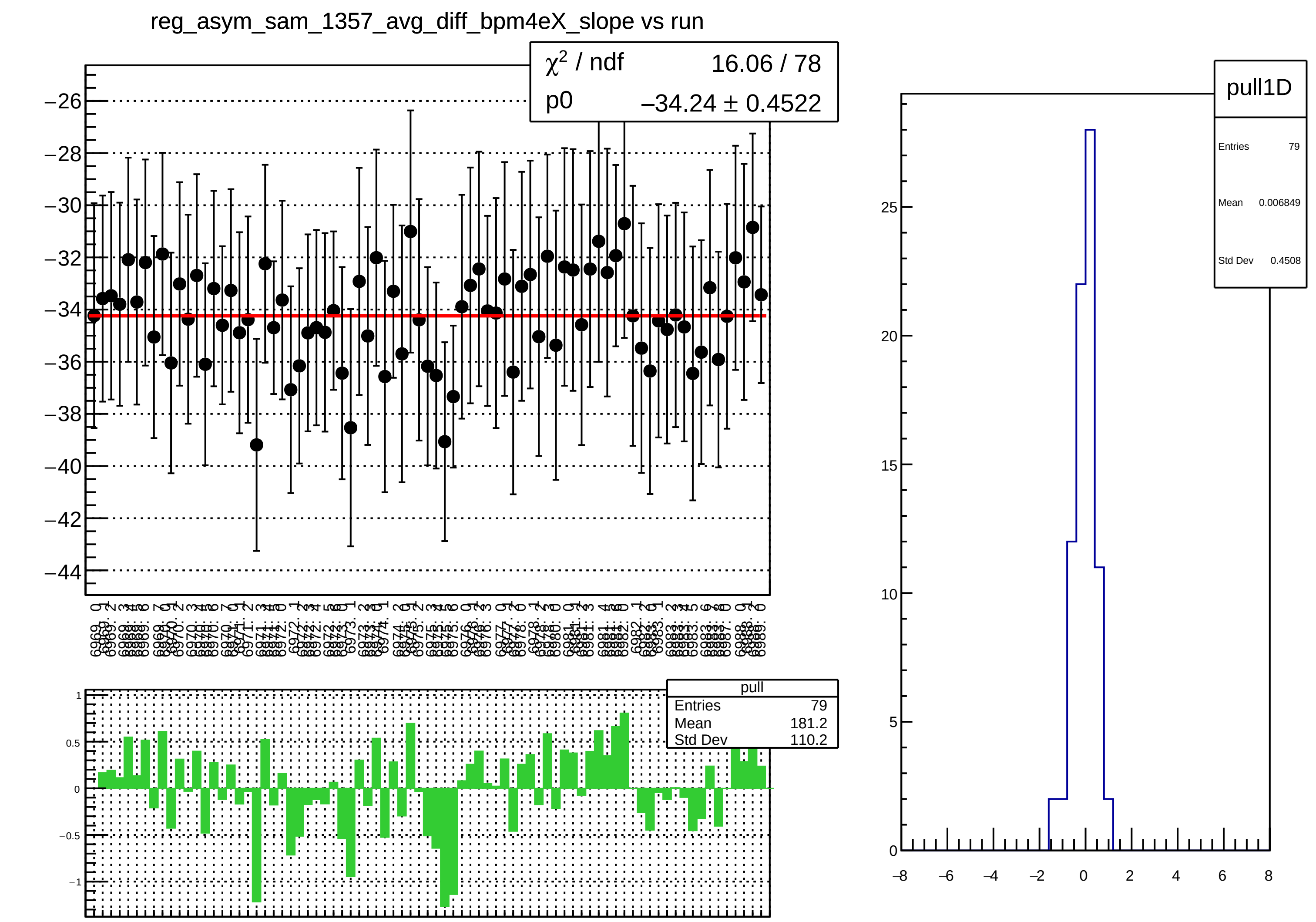
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 38.7 / 78
p0 −0.2097 ± 0.005913
pull
Entries 79
Mean 14.73
Std Dev 52.27
pull1D
Entries 79
Mean −0.02809
Std Dev 0.6994

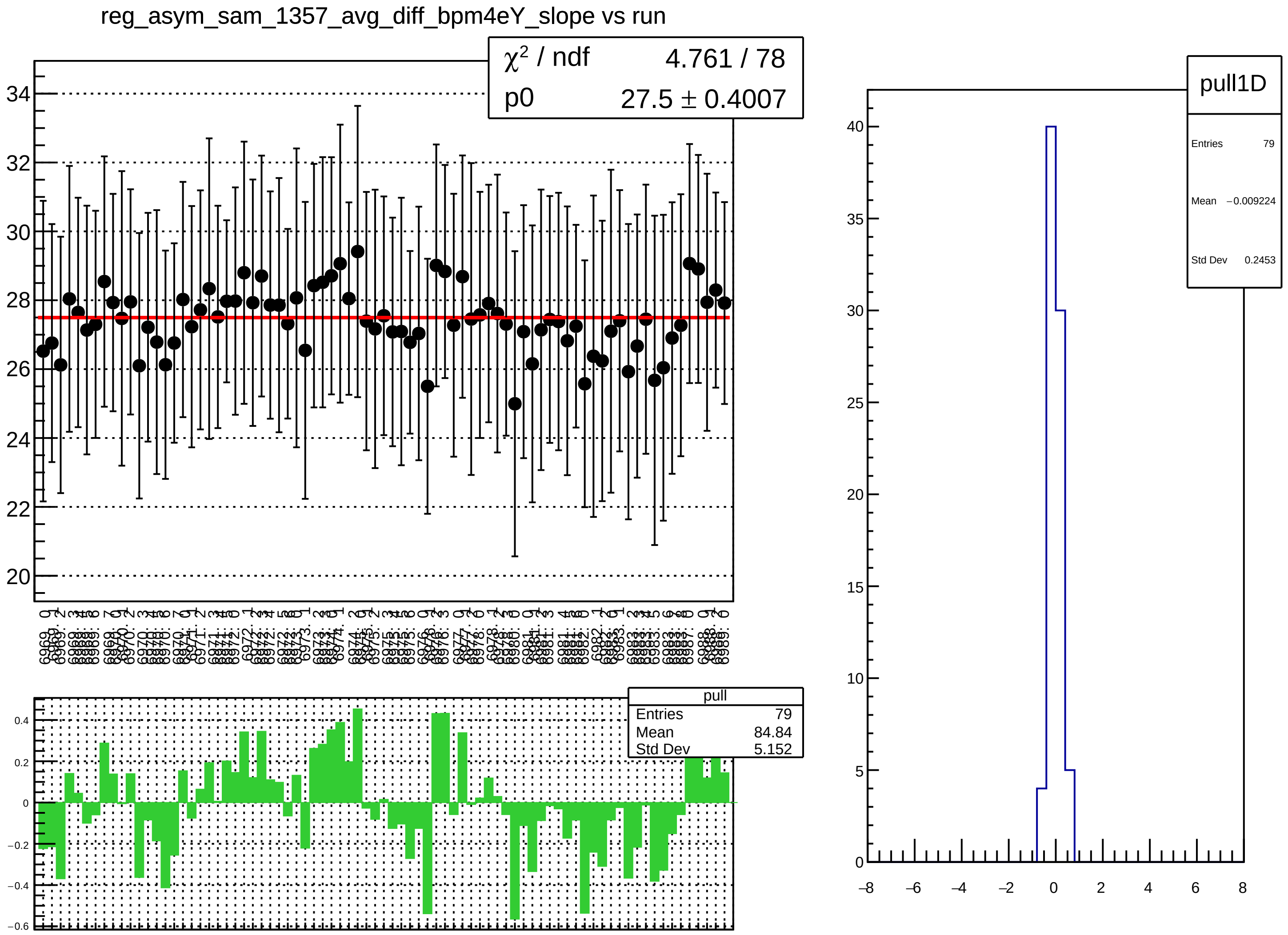


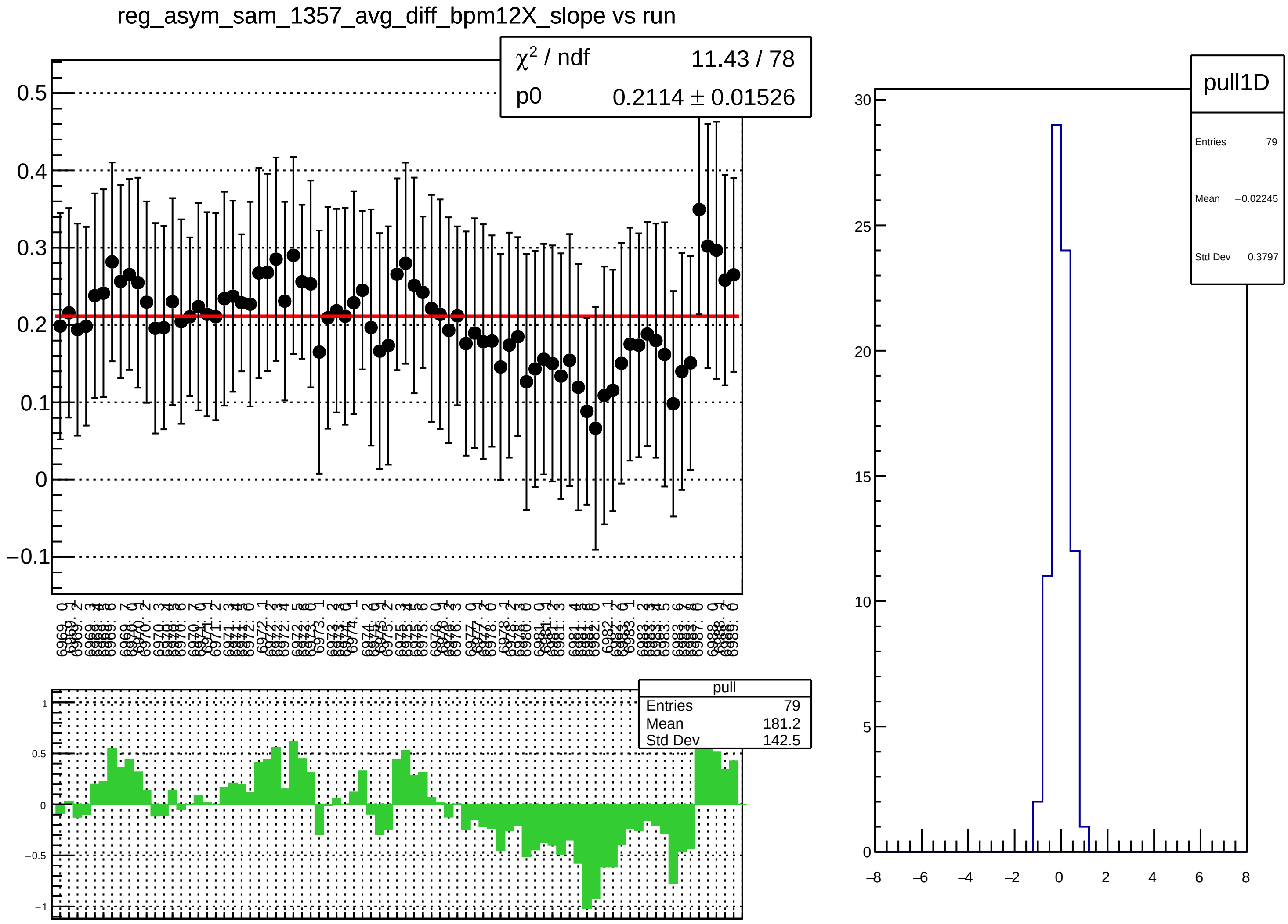
reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.13 / 78
p0 −4.333 ± 0.4915
pull
Entries 79
Mean 169
Std Dev 110.8
pull1D
Entries 79
Mean −0.01475
Std Dev 0.3916



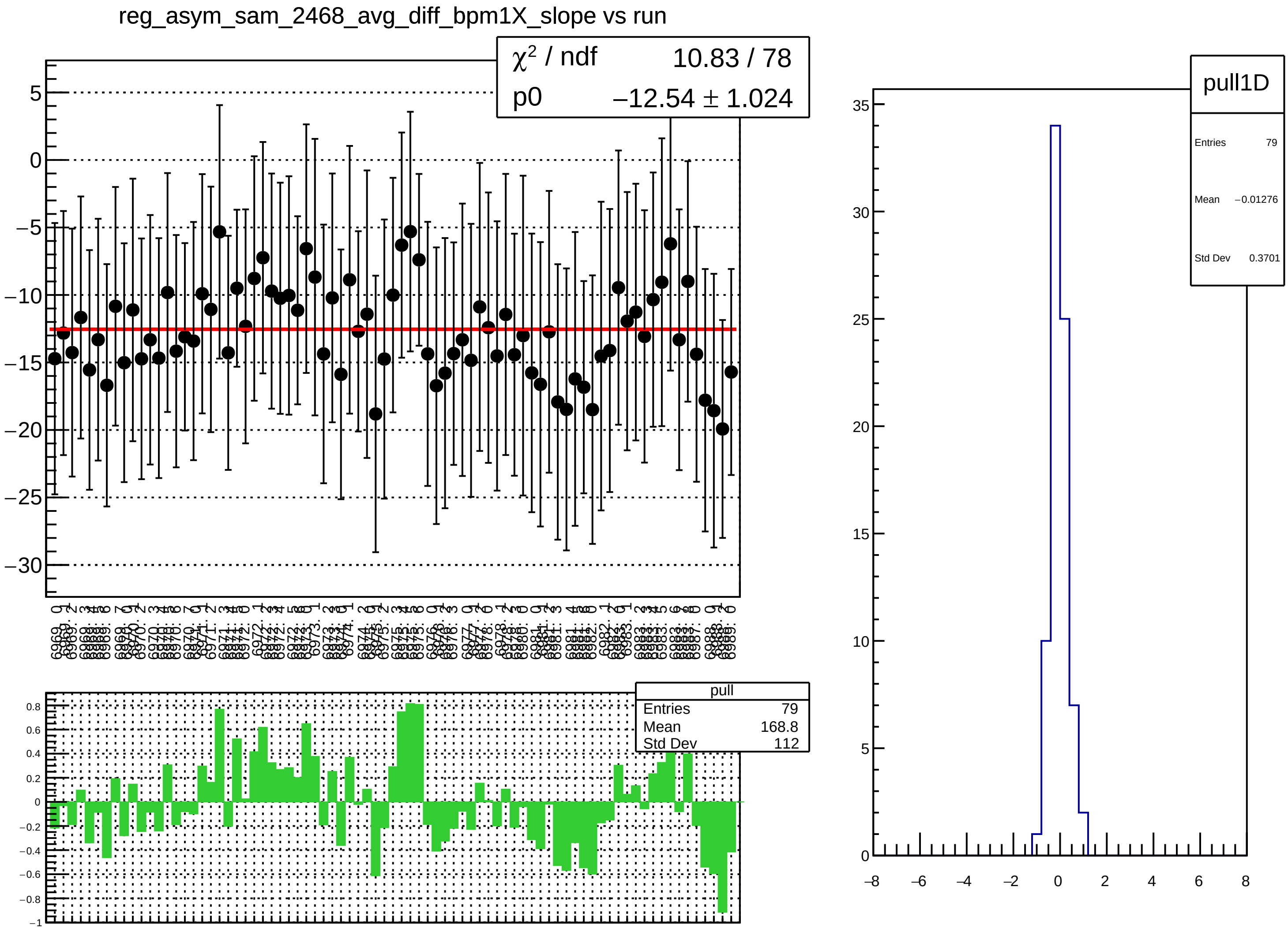
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.885 / 78
p0 1.402 ± 0.3495
pull
Entries 79
Mean 10.36
Std Dev 21.9
pull1D
Entries 79
Mean 0.008066
Std Dev 0.1909


reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 16.06 / 78
p0 −34.24 ± 0.4522
pull
Entries 79
Mean 181.2
Std Dev 110.2
pull1D
Entries 79
Mean 0.006849
Std Dev 0.4508

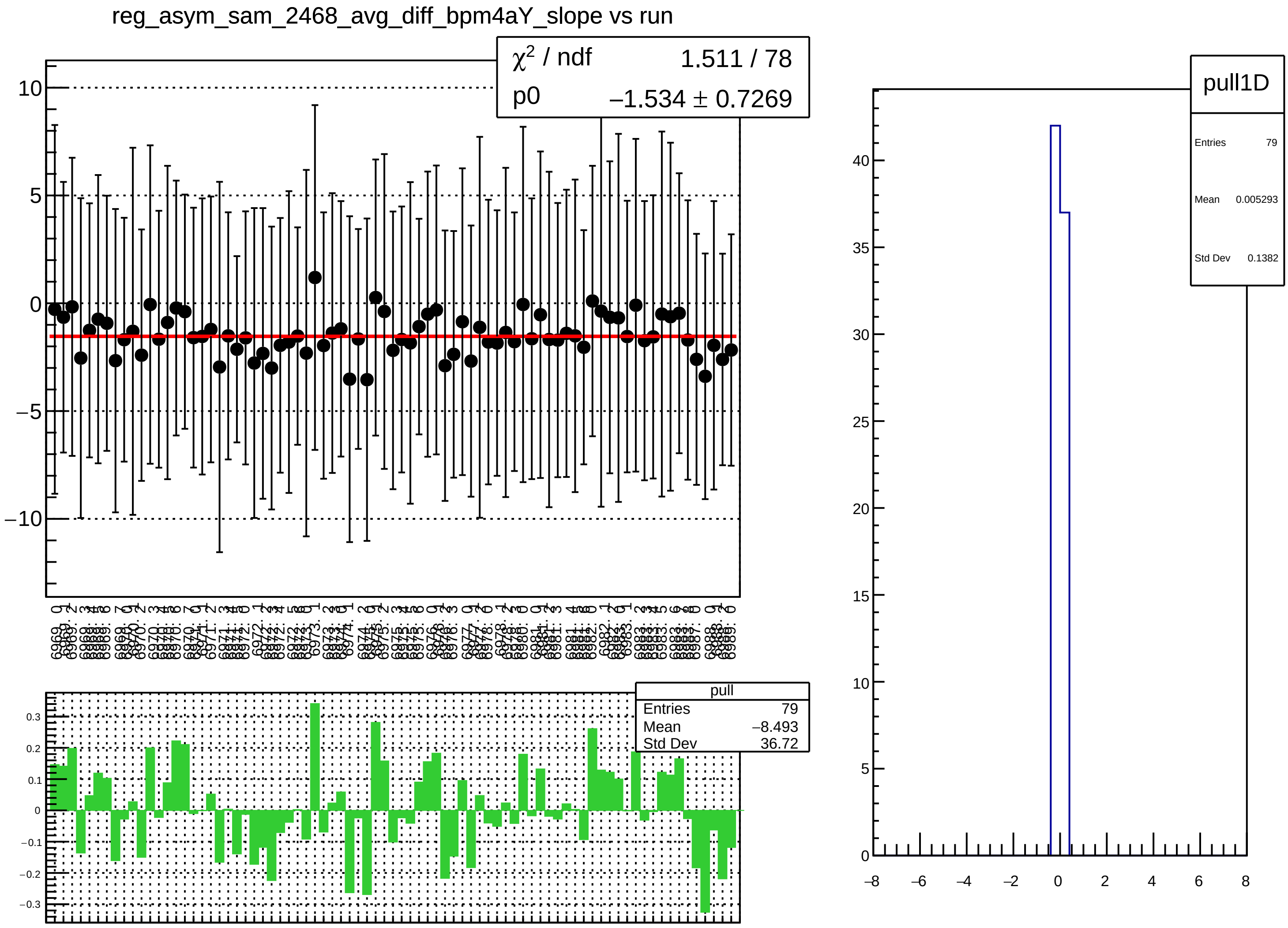

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.761 / 78
p0 27.5 ± 0.4007
pull
Entries 79
Mean 84.84
Std Dev 5.152
pull1D
Entries 79
Mean −0.009224
Std Dev 0.2453



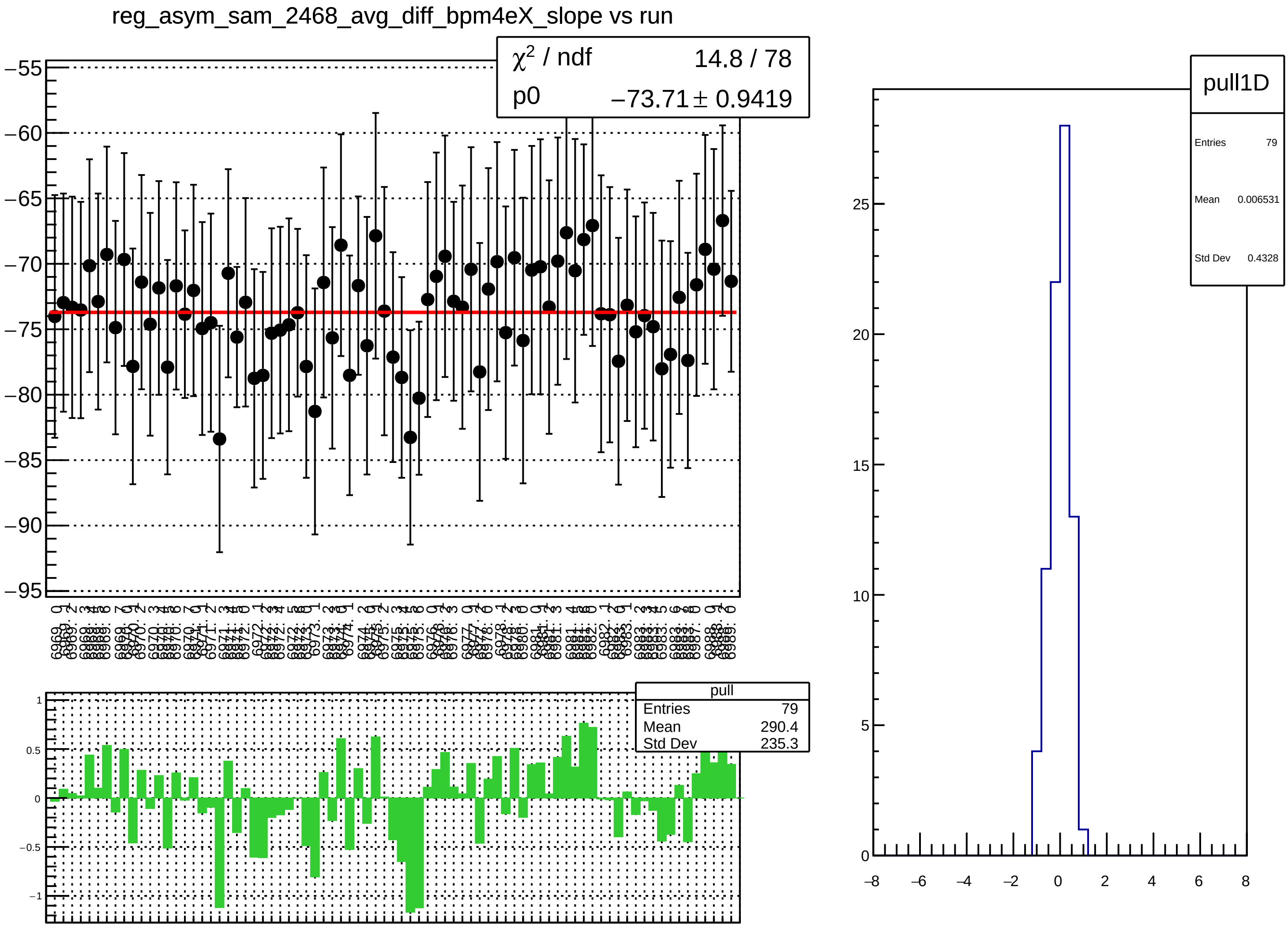
reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.43 / 78
p0 0.2114 ± 0.01526
pull
Entries 79
Mean 181.2
Std Dev 142.5
pull1D
Entries 79
Mean −0.02245
Std Dev 0.3797



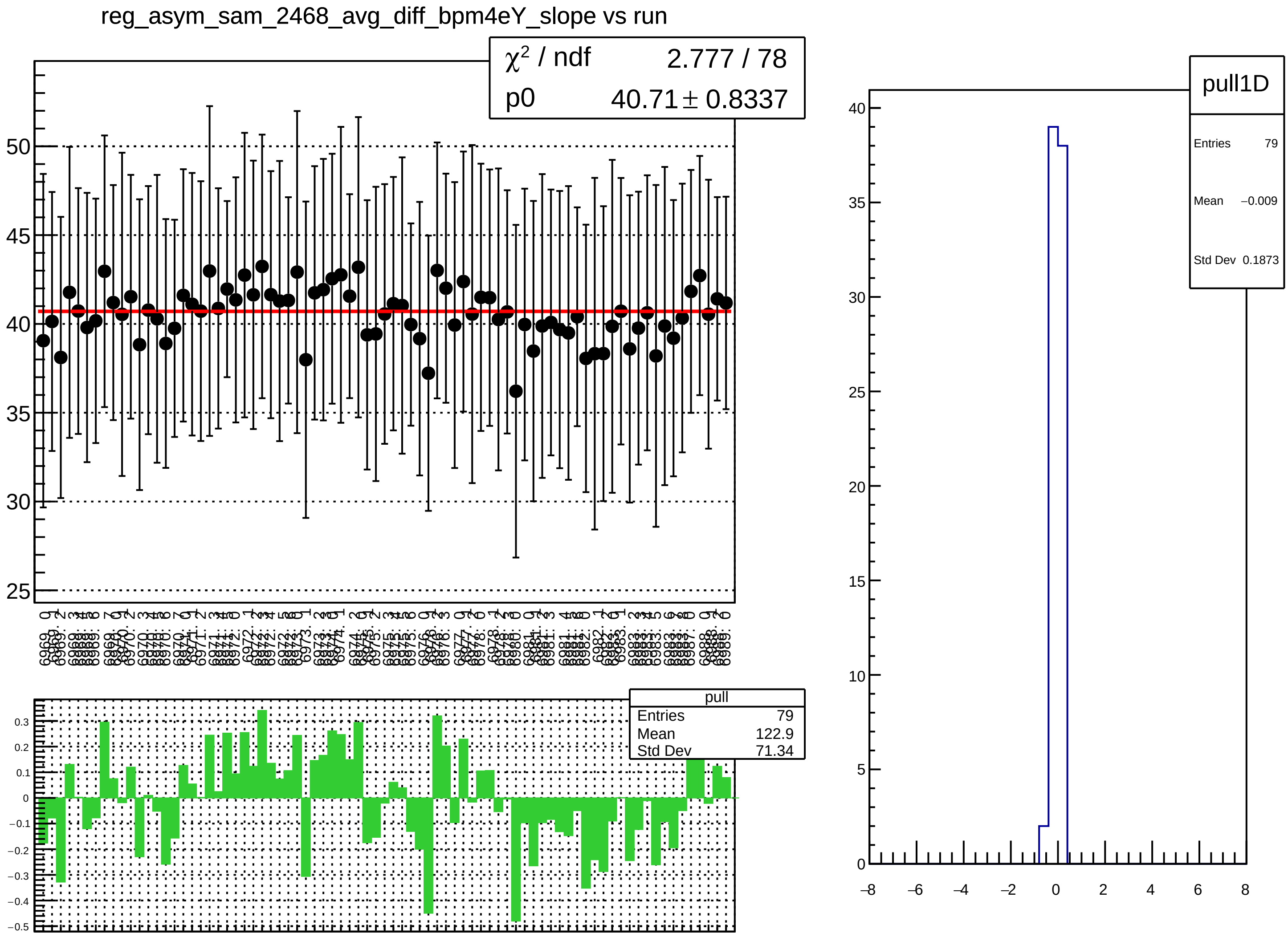
reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 10.83 / 78
p0 −12.54 ± 1.024
pull
Entries 79
Mean 168.8
Std Dev 112
pull1D
Entries 79
Mean −0.01276
Std Dev 0.3701



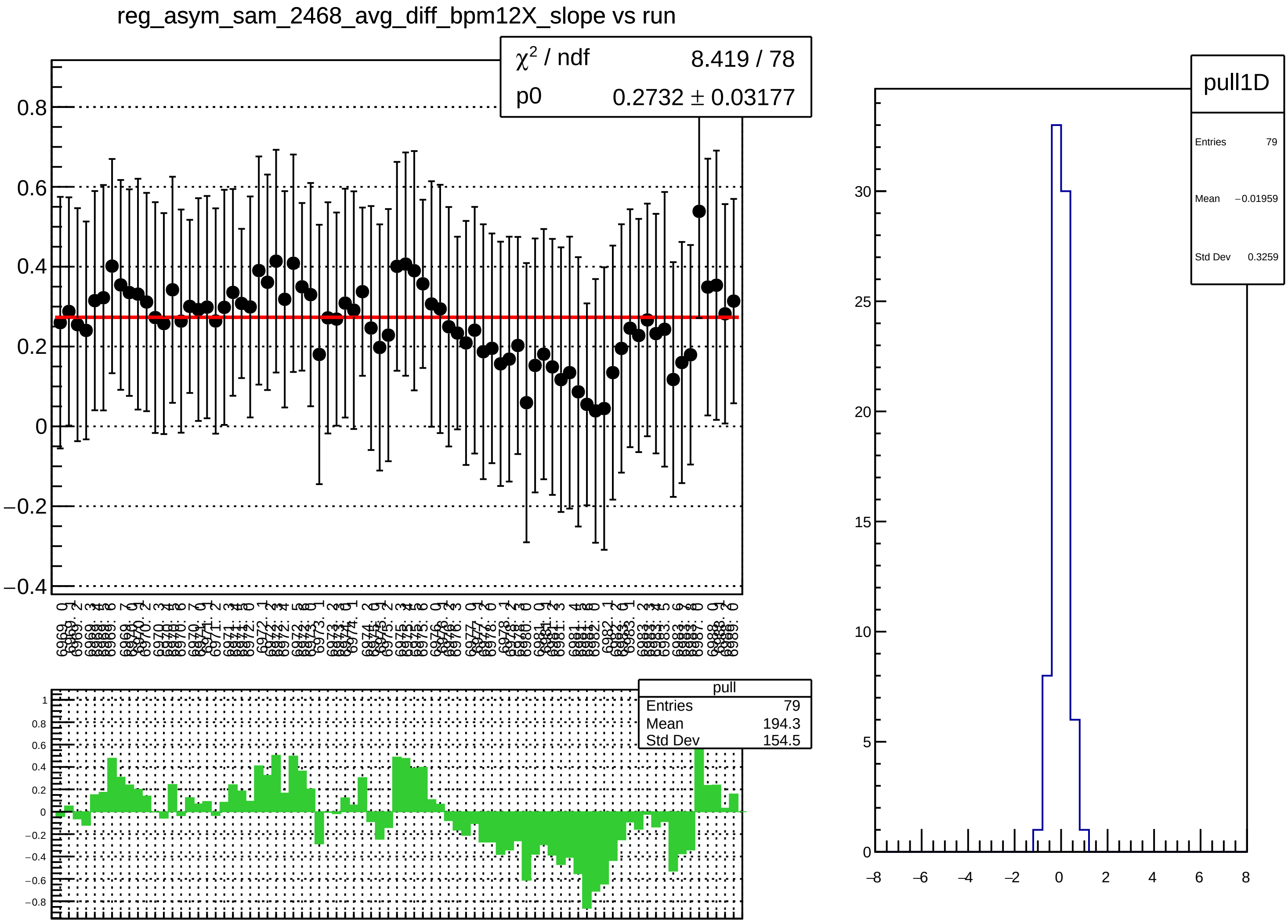
reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.511 / 78
p0 −1.534 ± 0.7269
pull
Entries 79
Mean −8.493
Std Dev 36.72
pull1D
Entries 79
Mean 0.005293
Std Dev 0.1382



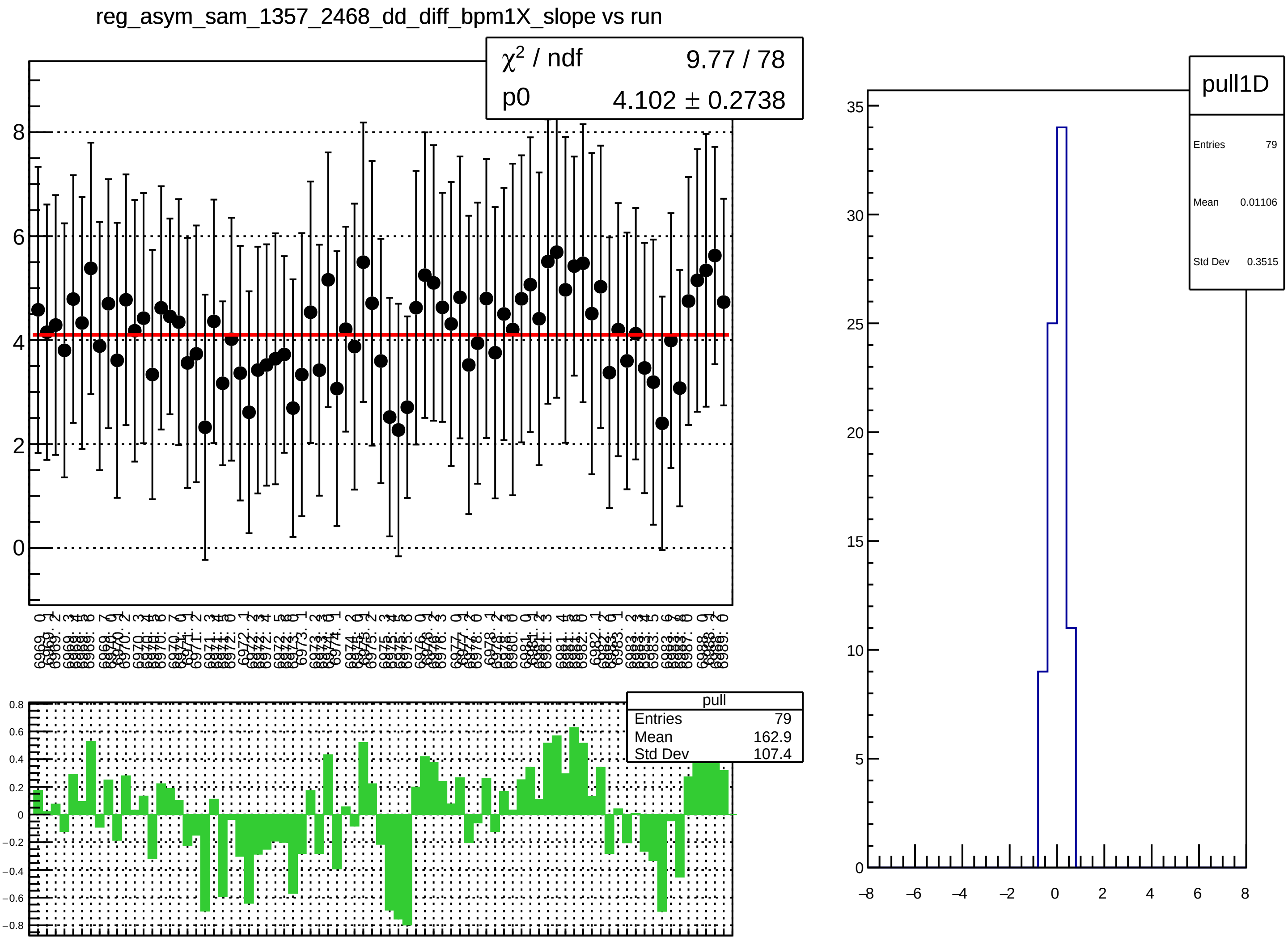
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 14.8 / 78
p0 −73.71 ± 0.9419
pull
Entries 79
Mean 290.4
Std Dev 235.3
pull1D
Entries 79
Mean 0.006531
Std Dev 0.4328



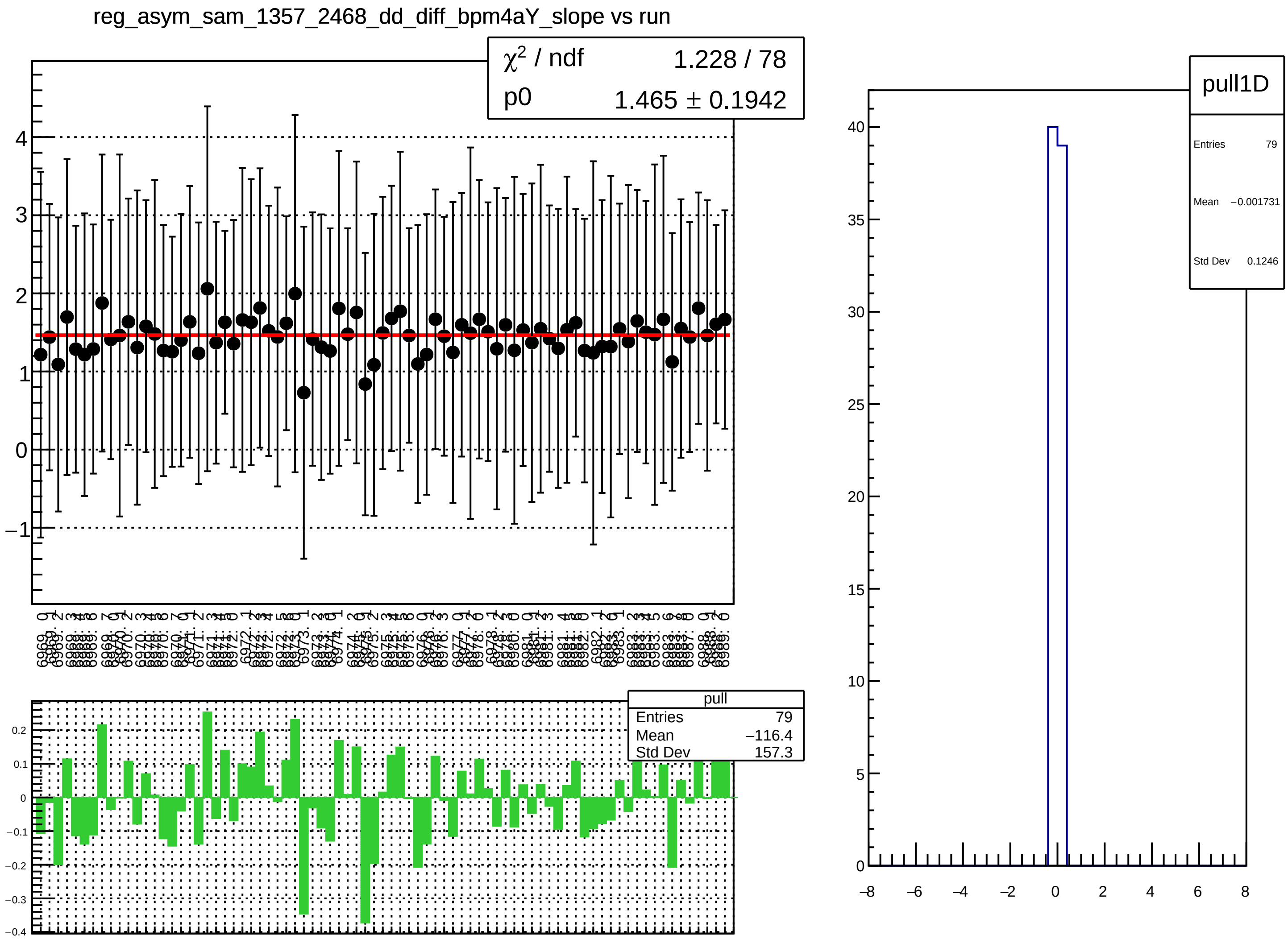
reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ2 / ndf 2.777 / 78
p0 40.71 ± 0.8337
pull
Entries 79
Mean 122.9
Std Dev 71.34
pull1D
Entries 79
Mean −0.009
Std Dev 0.1873



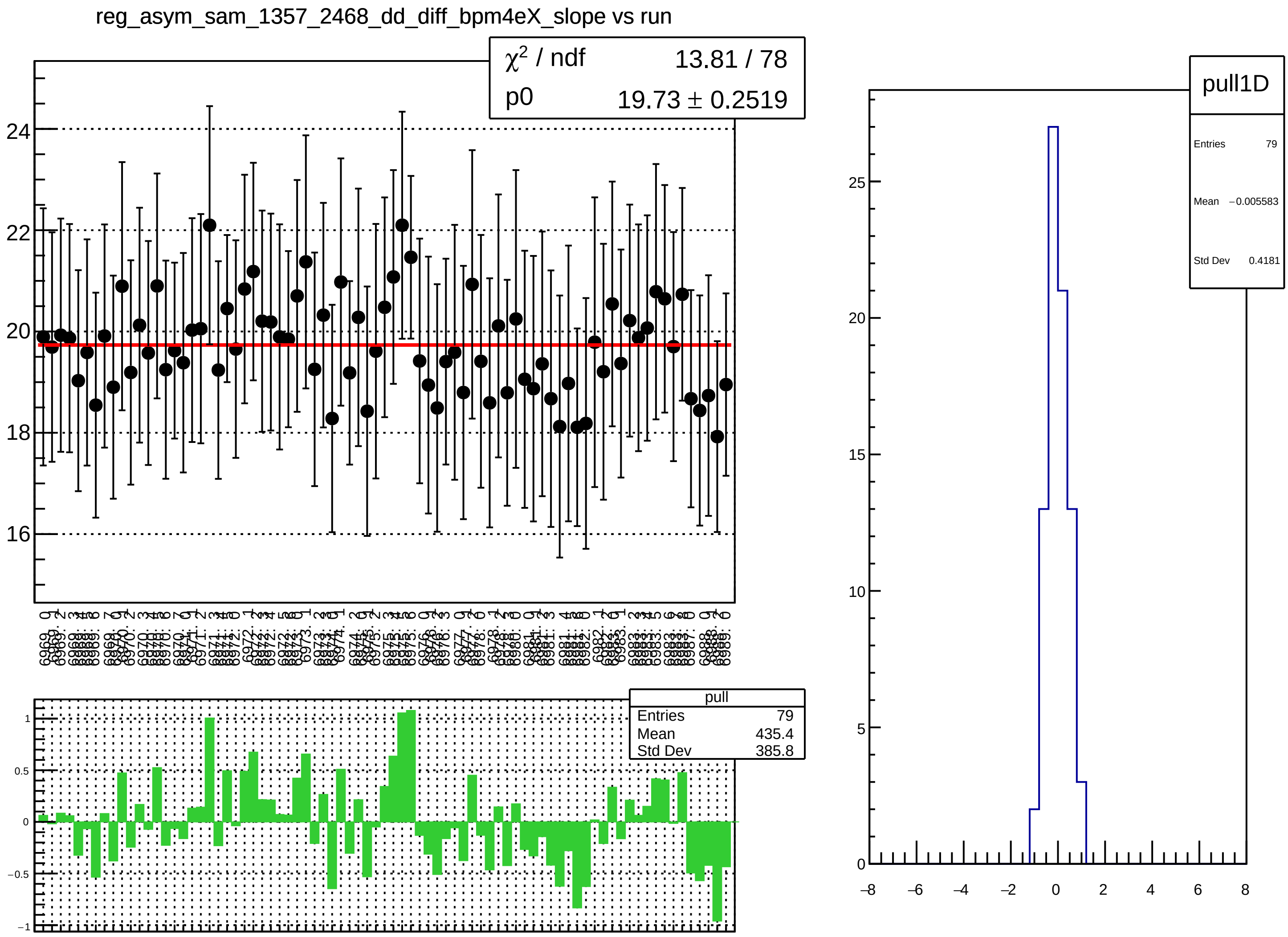
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ2 / ndf 8.419 / 78
p0 0.2732 ± 0.03177
pull
Entries 79
Mean 194.3
Std Dev 154.5
pull1D
Entries 79
Mean −0.01959
Std Dev 0.3259

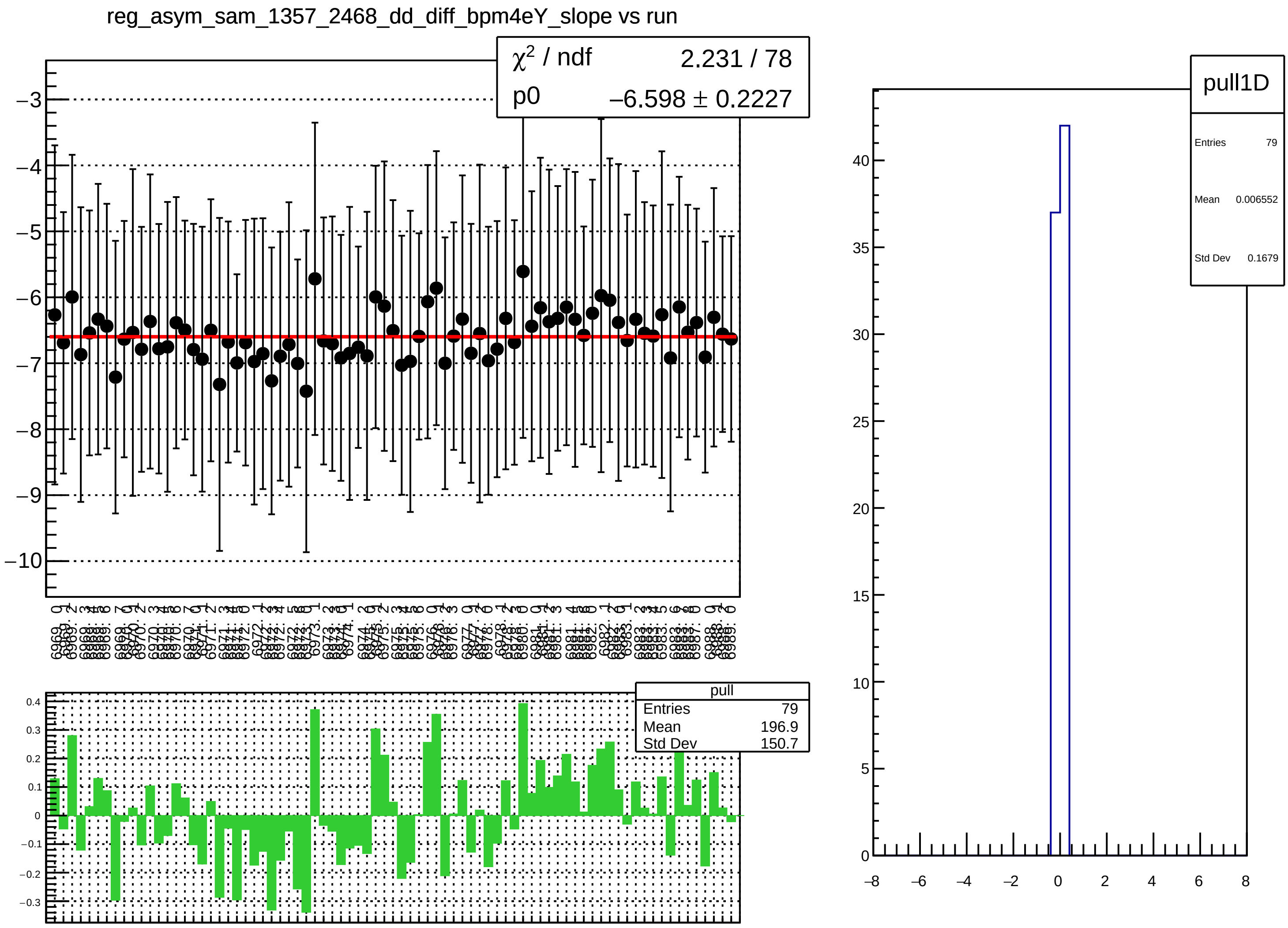


reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 9.77 / 78
p0 4.102 ± 0.2738
pull
Entries 79
Mean 162.9
Std Dev 107.4
pull1D
Entries 79
Mean 0.01106
Std Dev 0.3515

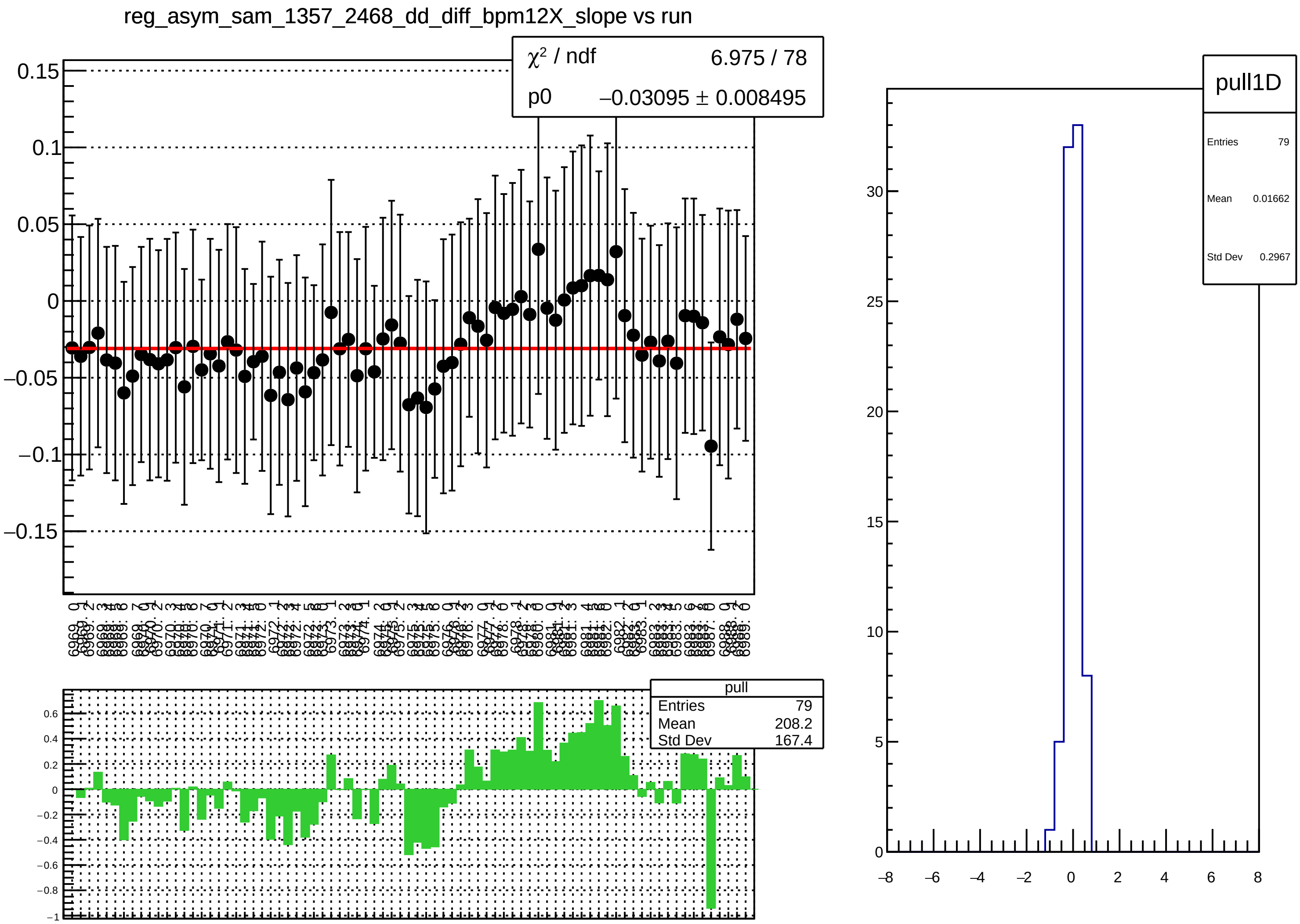


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.228 / 78
p0 1.465 ± 0.1942
pull
Entries 79
Mean −116.4
Std Dev 157.3
pull1D
Entries 79
Mean −0.001731
Std Dev 0.1246

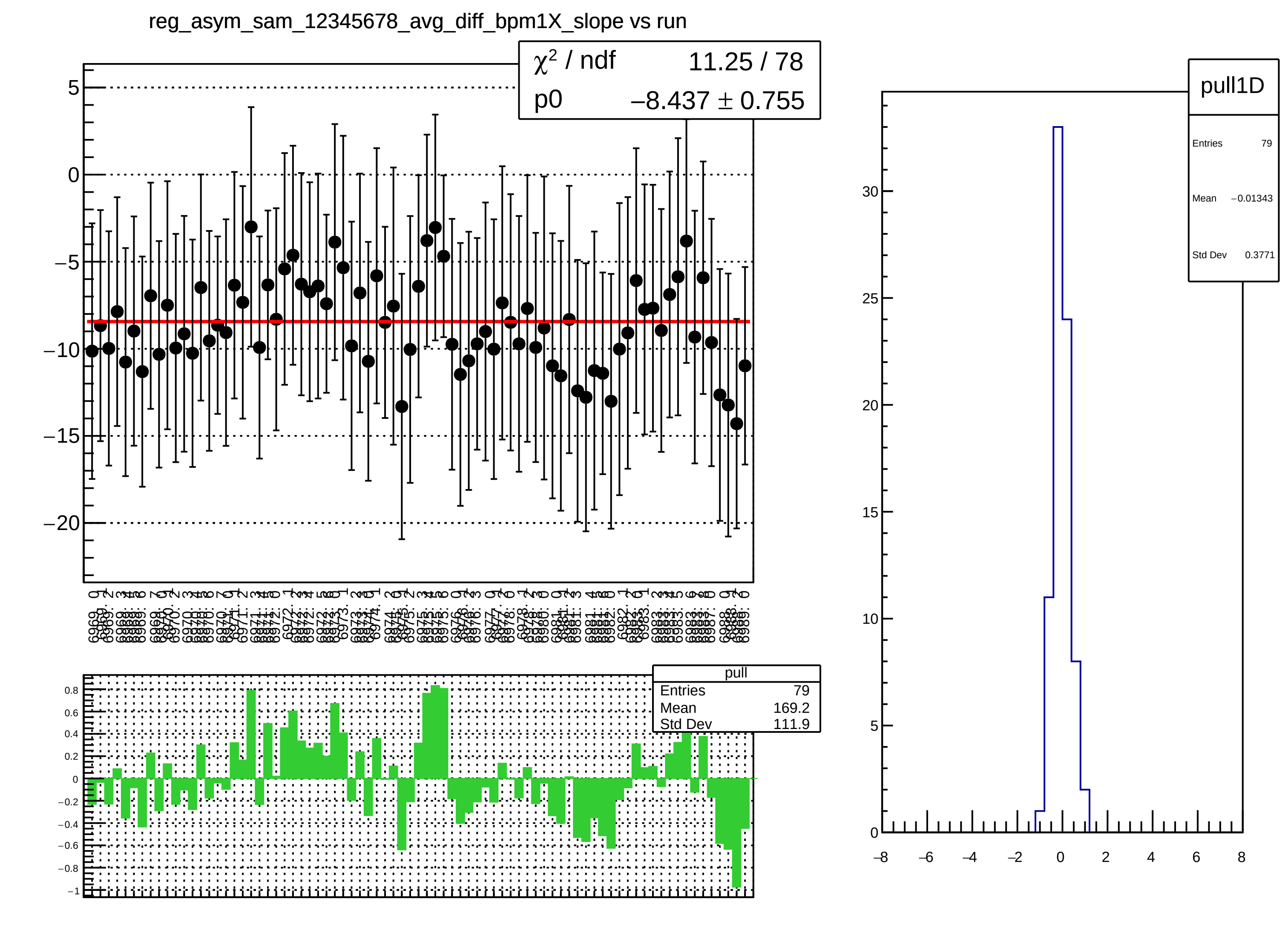

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 13.81 / 78
p0 19.73 ± 0.2519
pull
Entries 79
Mean 435.4
Std Dev 385.8
pull1D
Entries 79
Mean −0.005583
Std Dev 0.4181



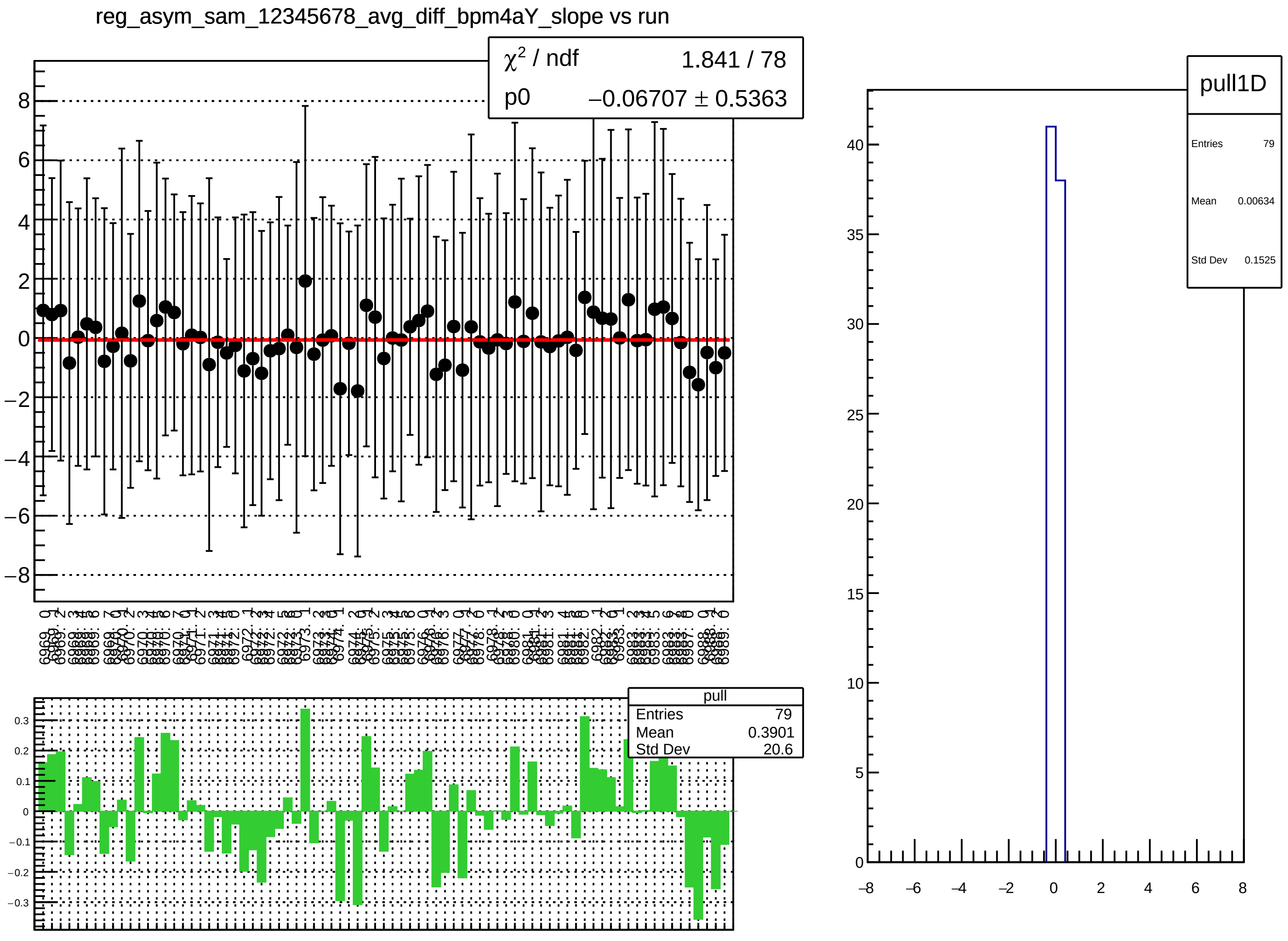
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.231 / 78
p0 −6.598 ± 0.2227
pull
Entries 79
Mean 196.9
Std Dev 150.7
pull1D
Entries 79
Mean 0.006552
Std Dev 0.1679



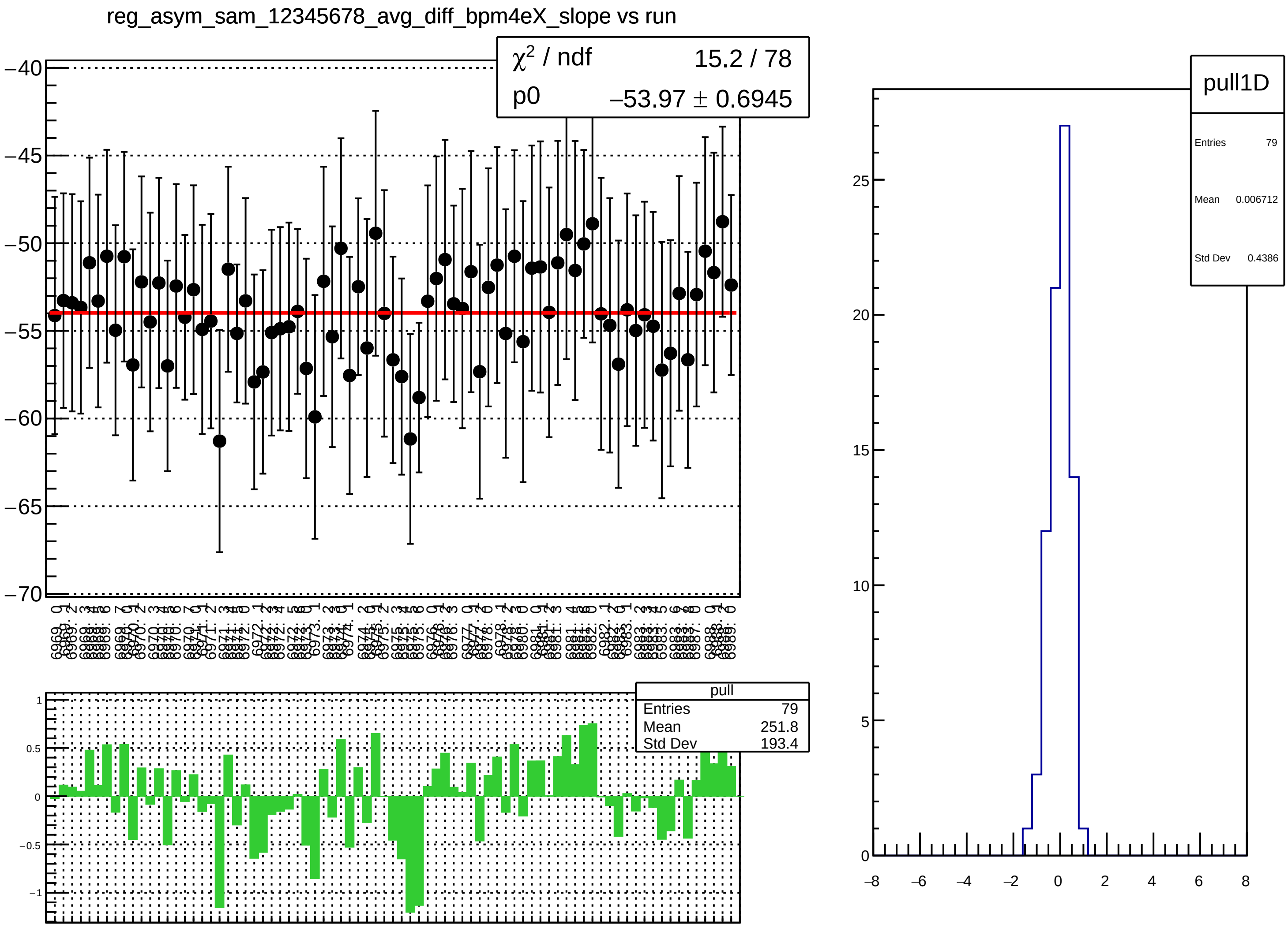
reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ2 / ndf 6.975 / 78
p0 −0.03095 ± 0.008495
pull
Entries 79
Mean 208.2
Std Dev 167.4
pull1D
Entries 79
Mean 0.01662
Std Dev 0.2967



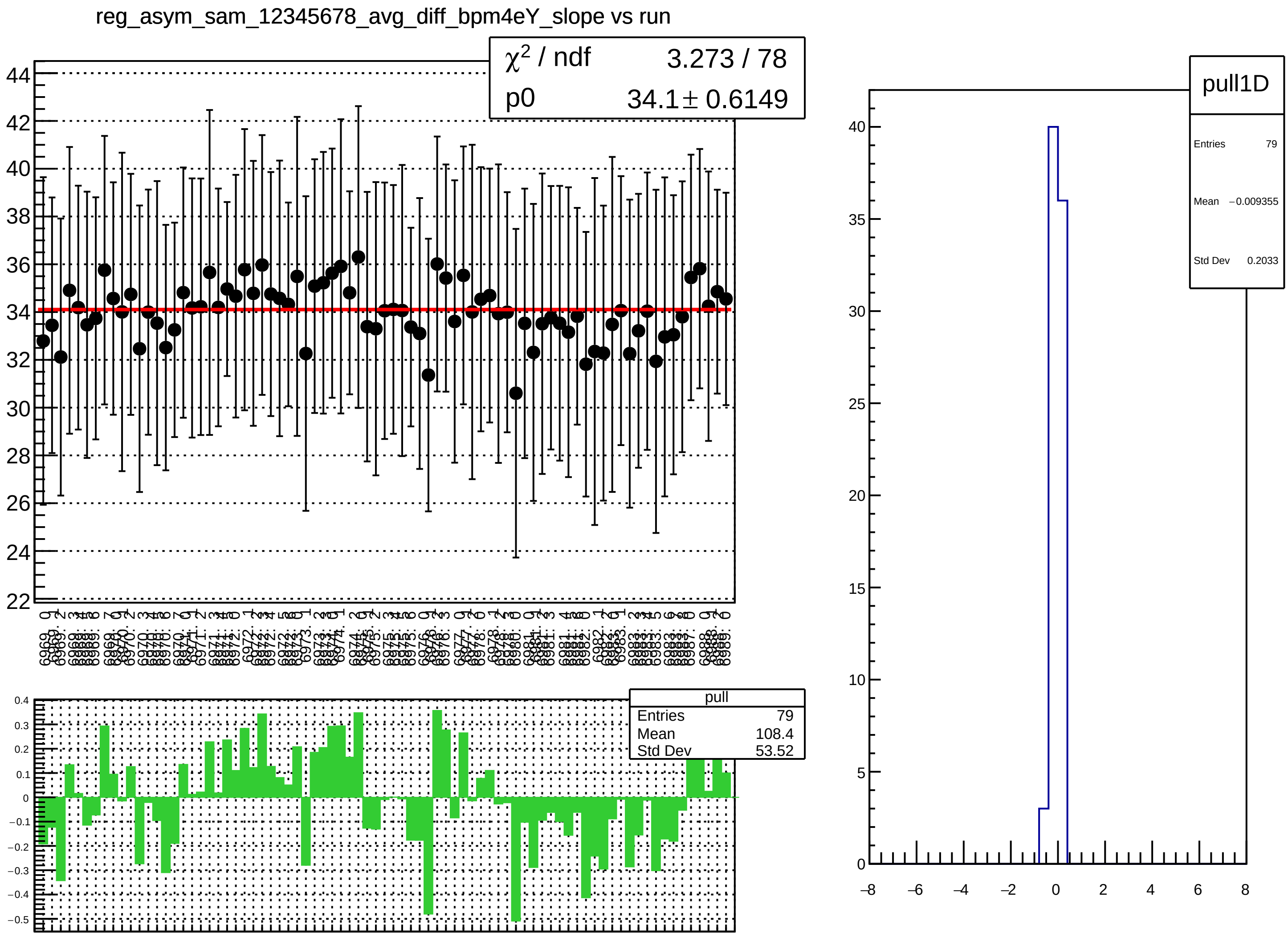
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 11.25 / 78
p0 −8.437 ± 0.755
pull
Entries 79
Mean 169.2
Std Dev 111.9
pull1D
Entries 79
Mean −0.01343
Std Dev 0.3771



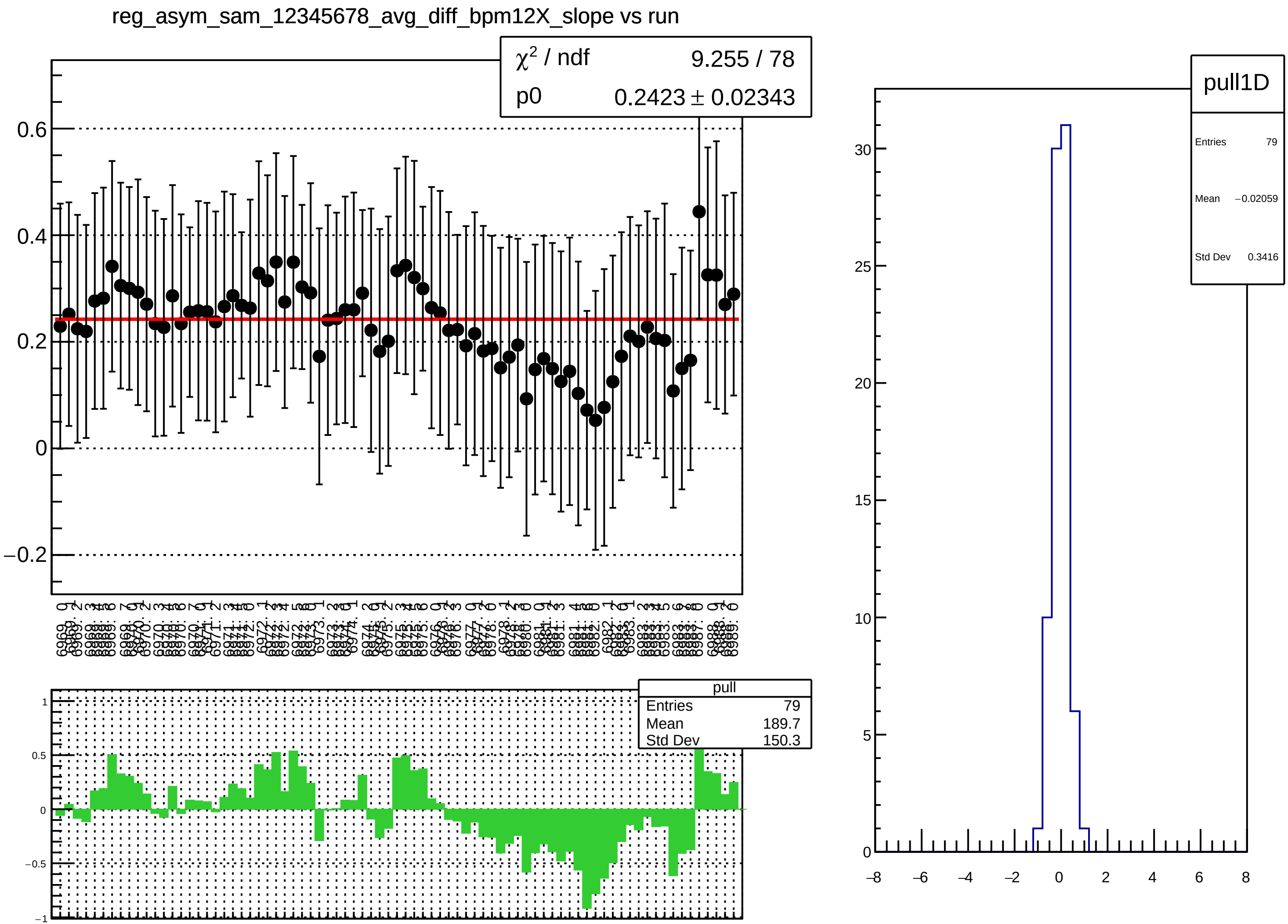
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ2 / ndf 1.841 / 78
p0 −0.06707 ± 0.5363
pull
Entries 79
Mean 0.3901
Std Dev 20.6
pull1D
Entries 79
Mean 0.00634
Std Dev 0.1525



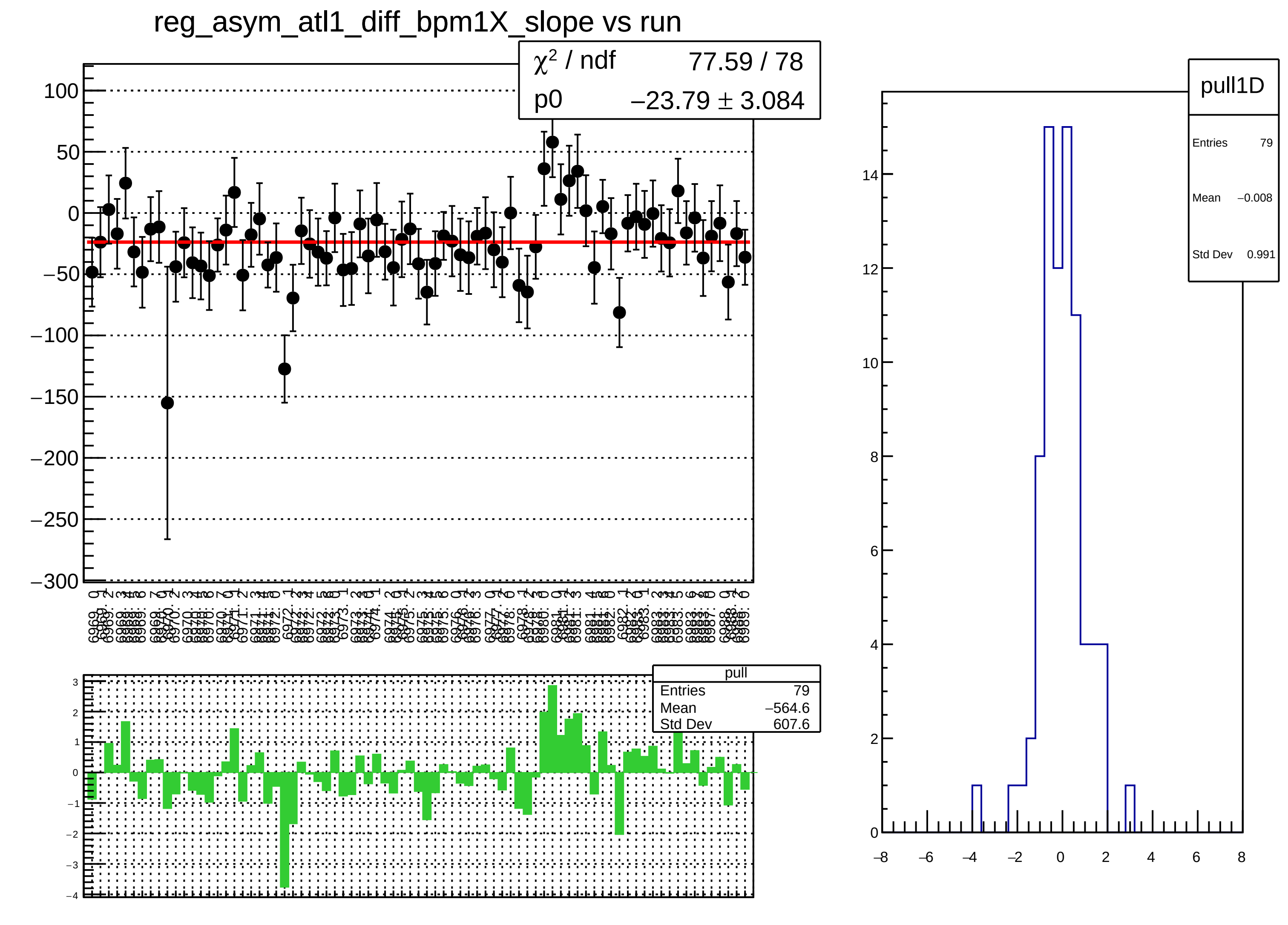
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ2 / ndf 15.2 / 78
p0 −53.97 ± 0.6945
pull
Entries 79
Mean 251.8
Std Dev 193.4
pull1D
Entries 79
Mean 0.006712
Std Dev 0.4386

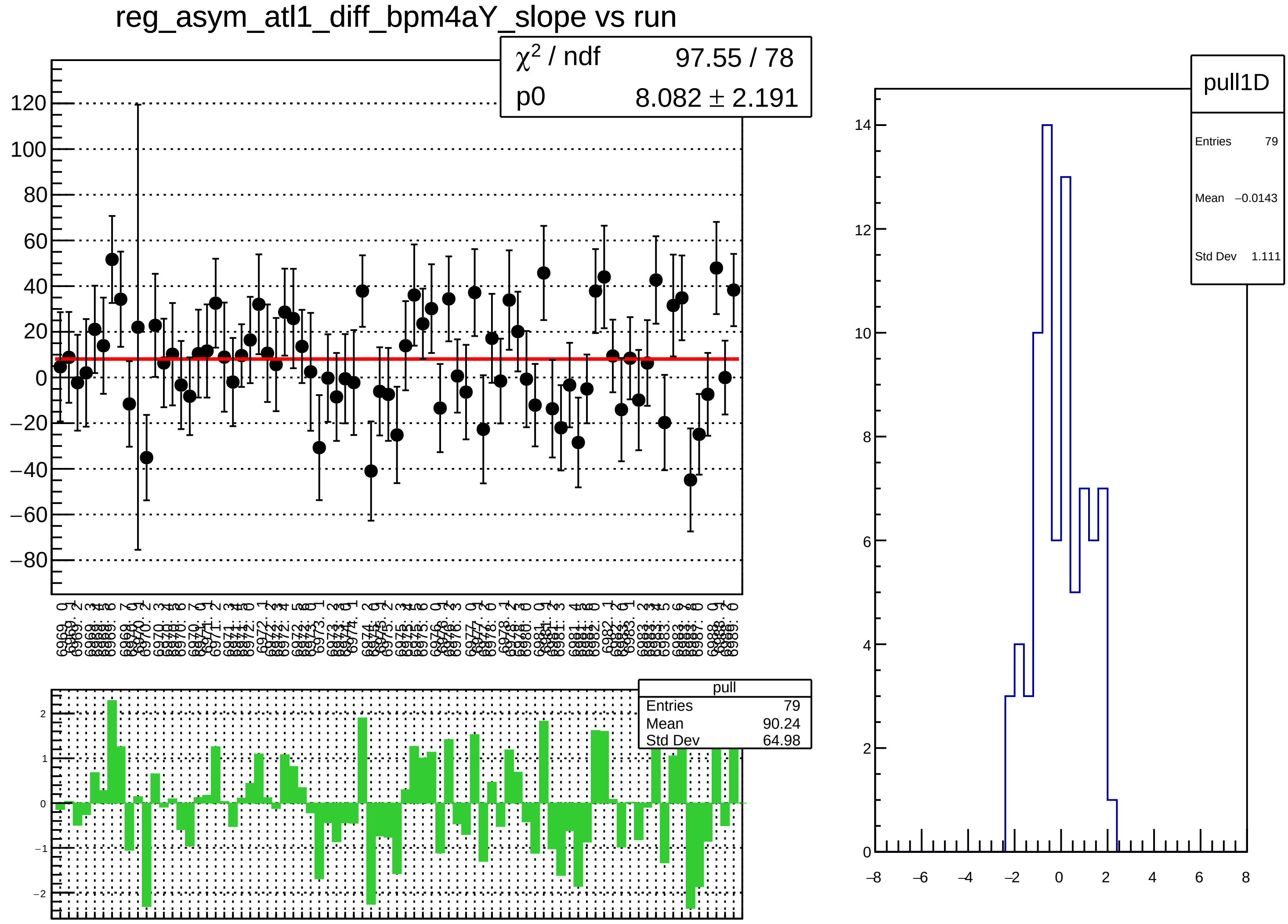


reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ2 / ndf 3.273 / 78
p0 34.1 ± 0.6149
pull
Entries 79
Mean 108.4
Std Dev 53.52
pull1D
Entries 79
Mean −0.009355
Std Dev 0.2033



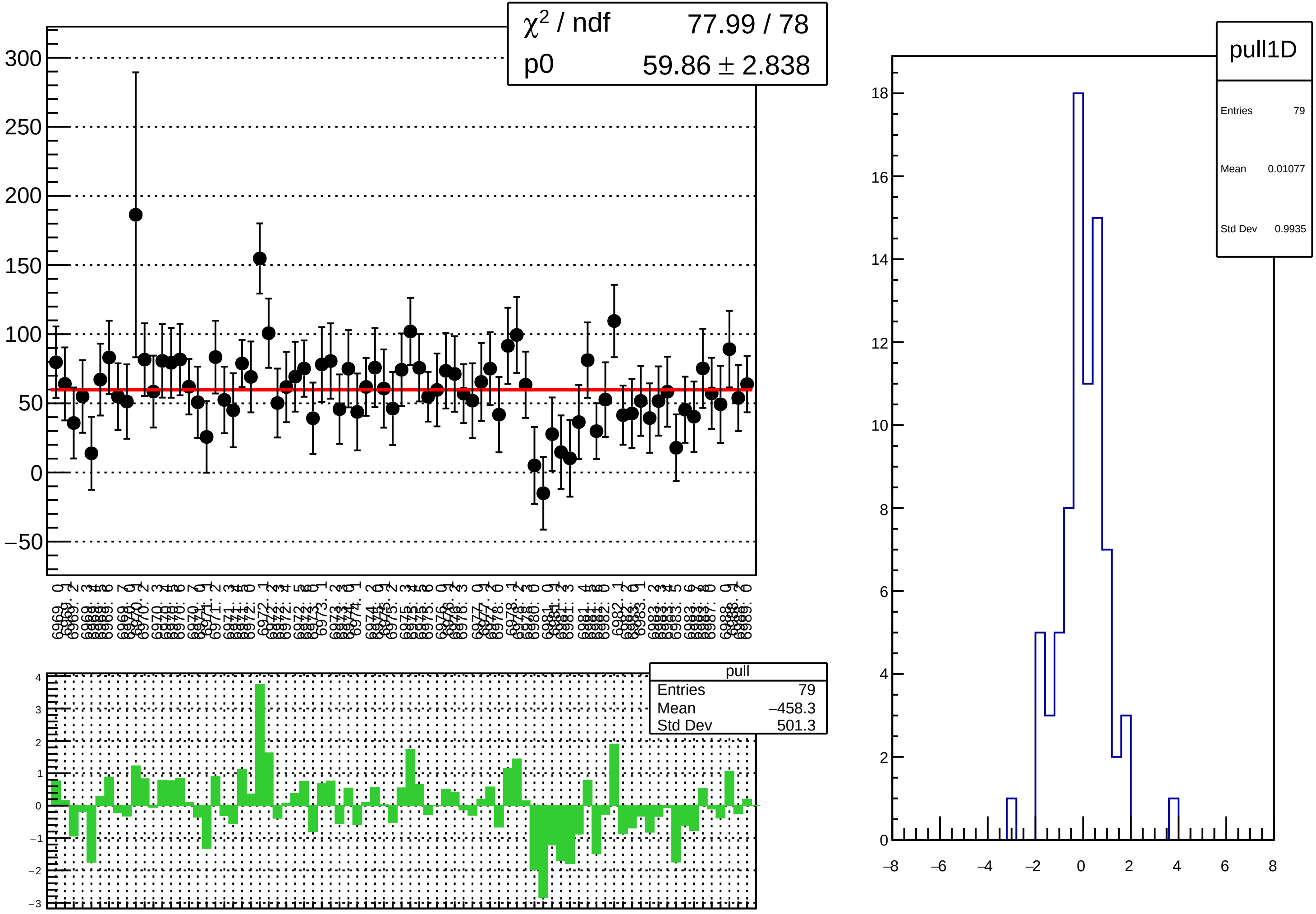
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.255 / 78
p0 0.2423 ± 0.02343
pull
Entries 79
Mean 189.7
Std Dev 150.3
pull1D
Entries 79
Mean −0.02059
Std Dev 0.3416

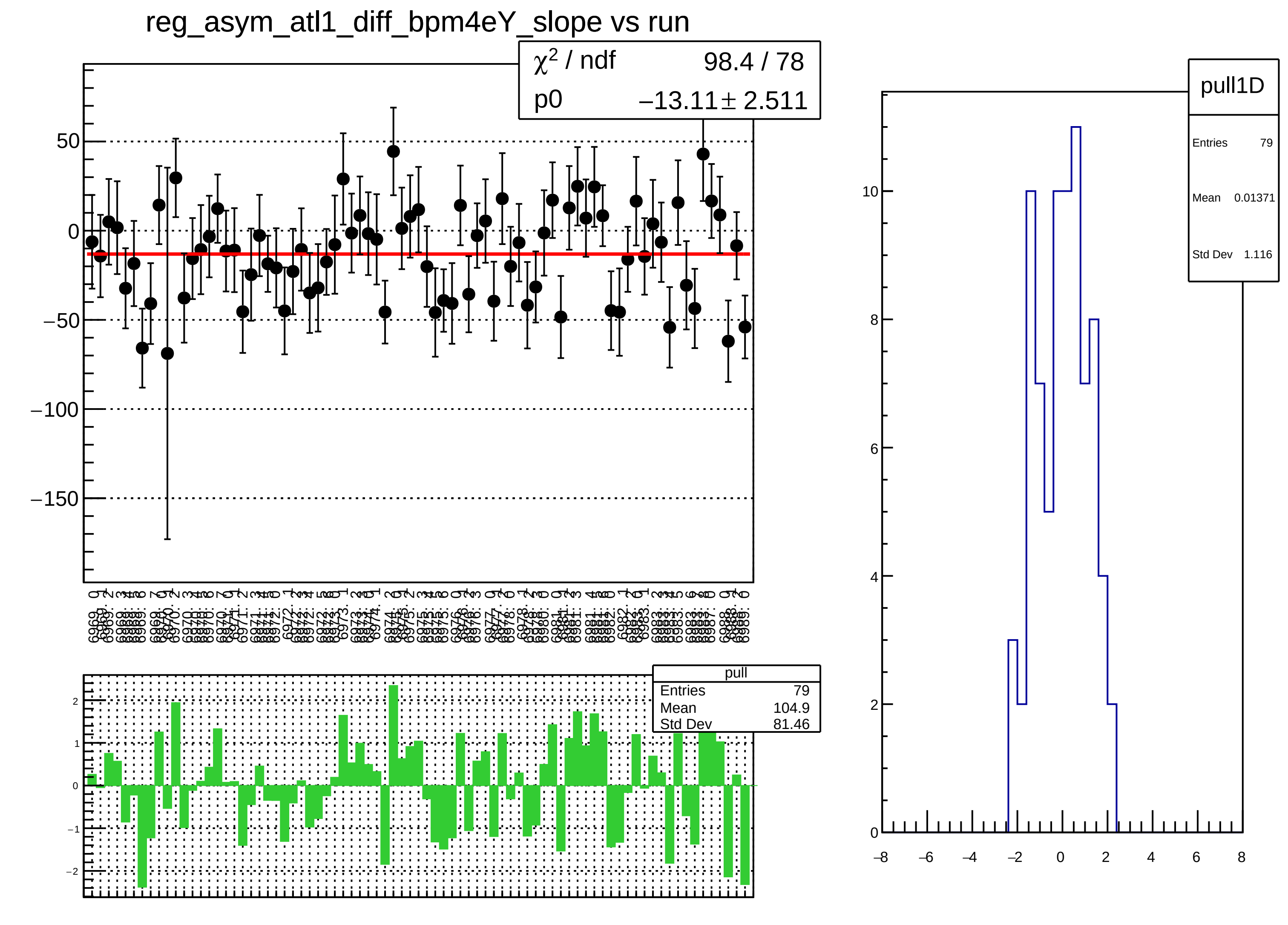

reg_asym_atl1_diff_bpm1X_slope vs run
χ2 / ndf 77.59 / 78
p0 −23.79 ± 3.084
pull
Entries 79
Mean −564.6
Std Dev 607.6
pull1D
Entries 79
Mean −0.008
Std Dev 0.991



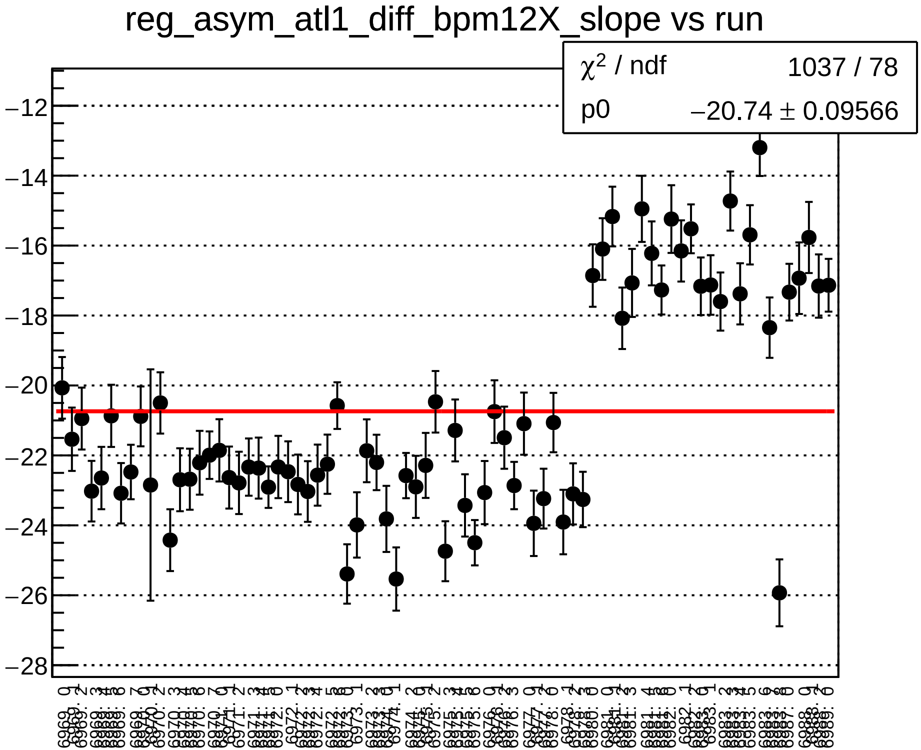
reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 97.55 / 78
p0 8.082 ± 2.191
pull
Entries 79
Mean 90.24
Std Dev 64.98
pull1D
Entries 79
Mean −0.0143
Std Dev 1.111

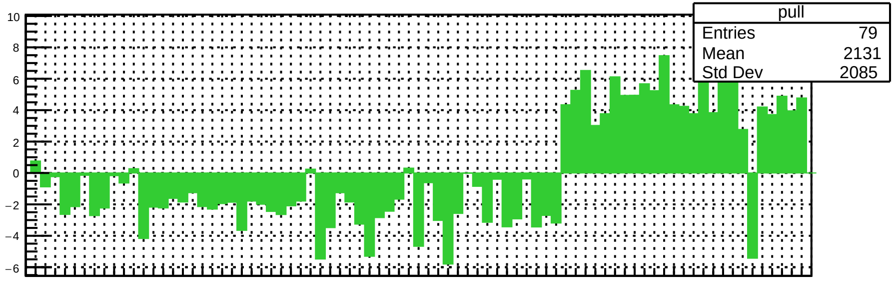
reg_asym_atl1_diff_bpm4eX_slope vs run

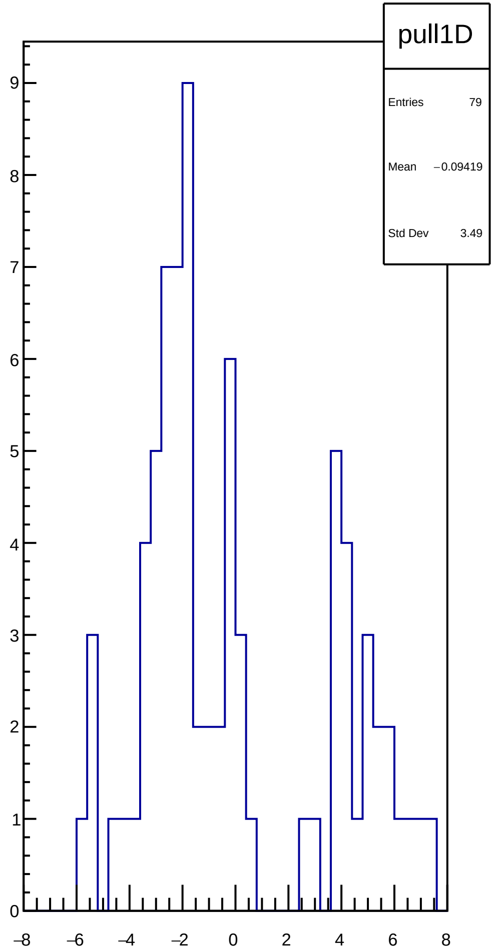


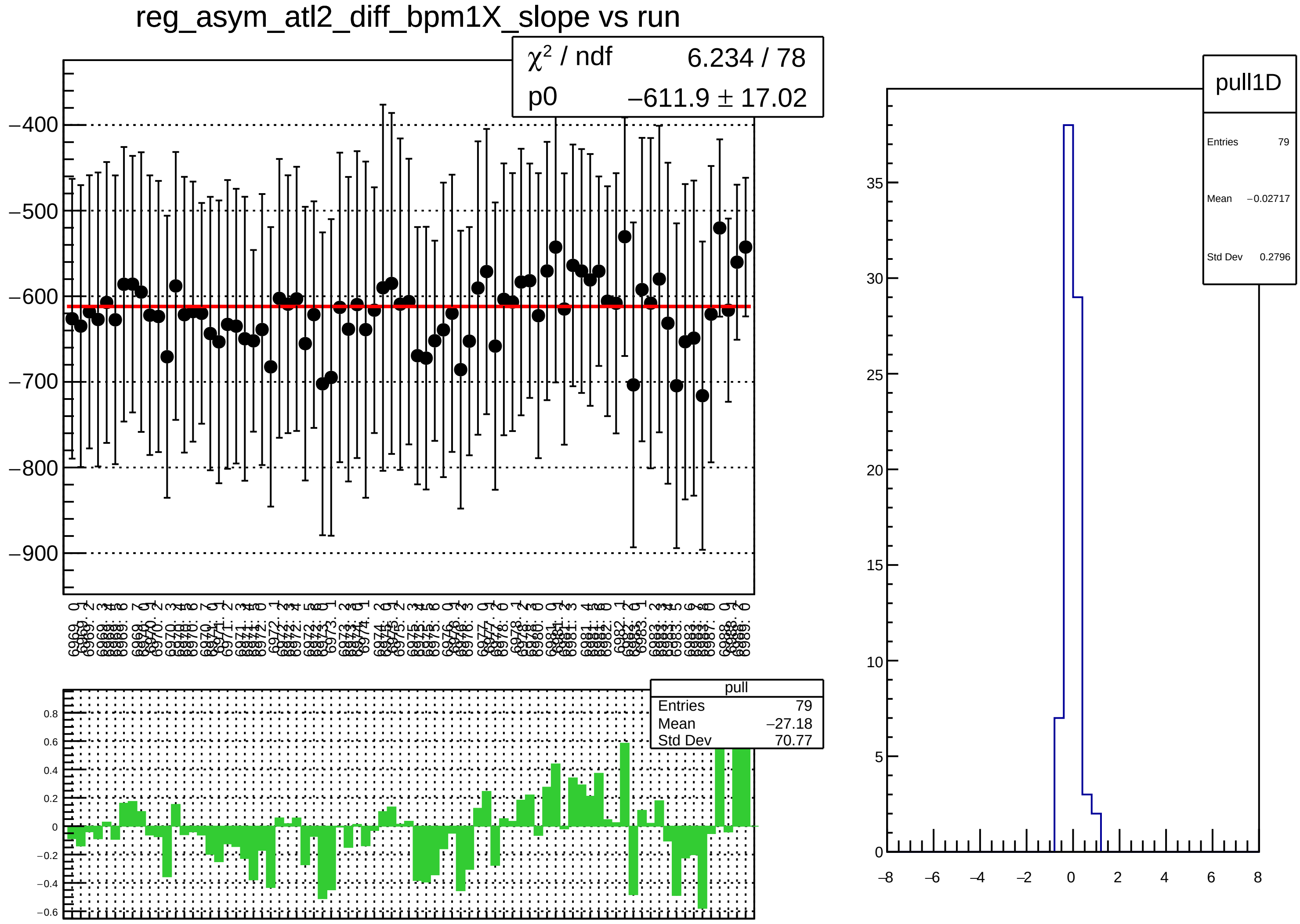


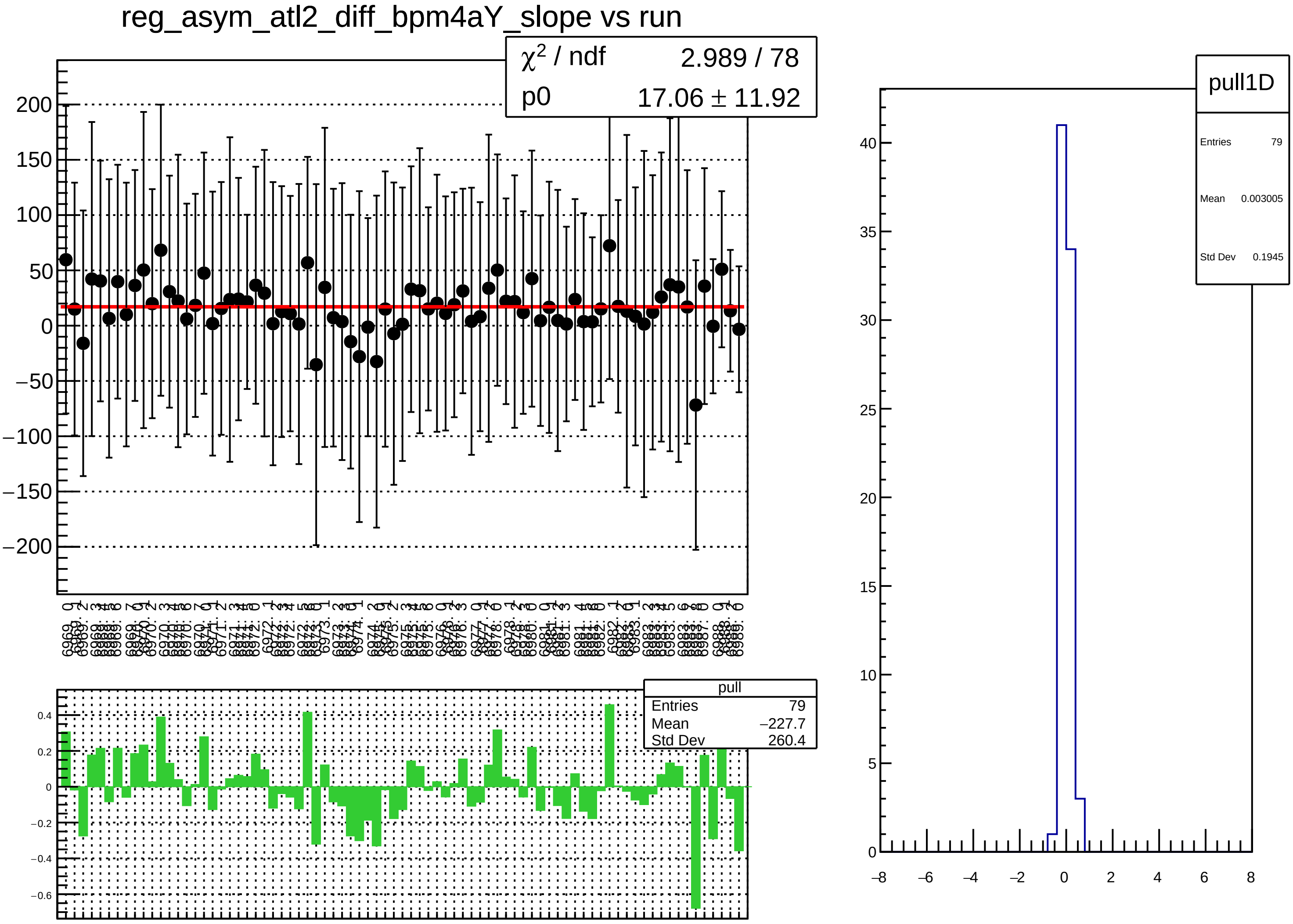
reg_asym_atl1_diff_bpm4eY_slope vs run
χ2 / ndf 98.4 / 78
p0 −13.11 ± 2.511
50
0
−50
−100
−150
pull
Entries 79
Mean 104.9
Std Dev 81.46
pull1D
Entries 79
Mean 0.01371
Std Dev 1.116

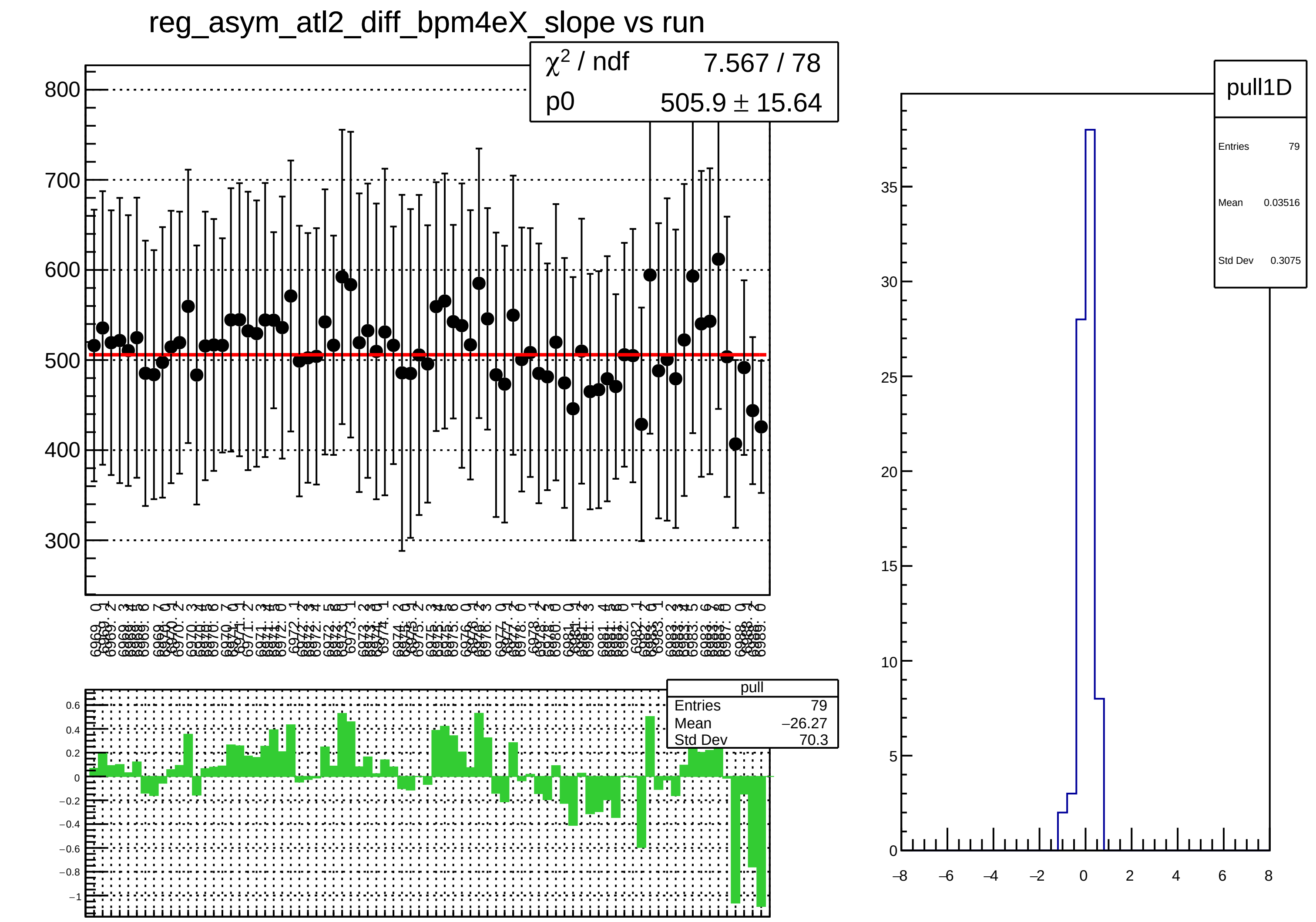

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 1037 / 78
p0 −20.74 ± 0.09566
−12
−14
−16
−18
−20
−22
−24
−26
−28

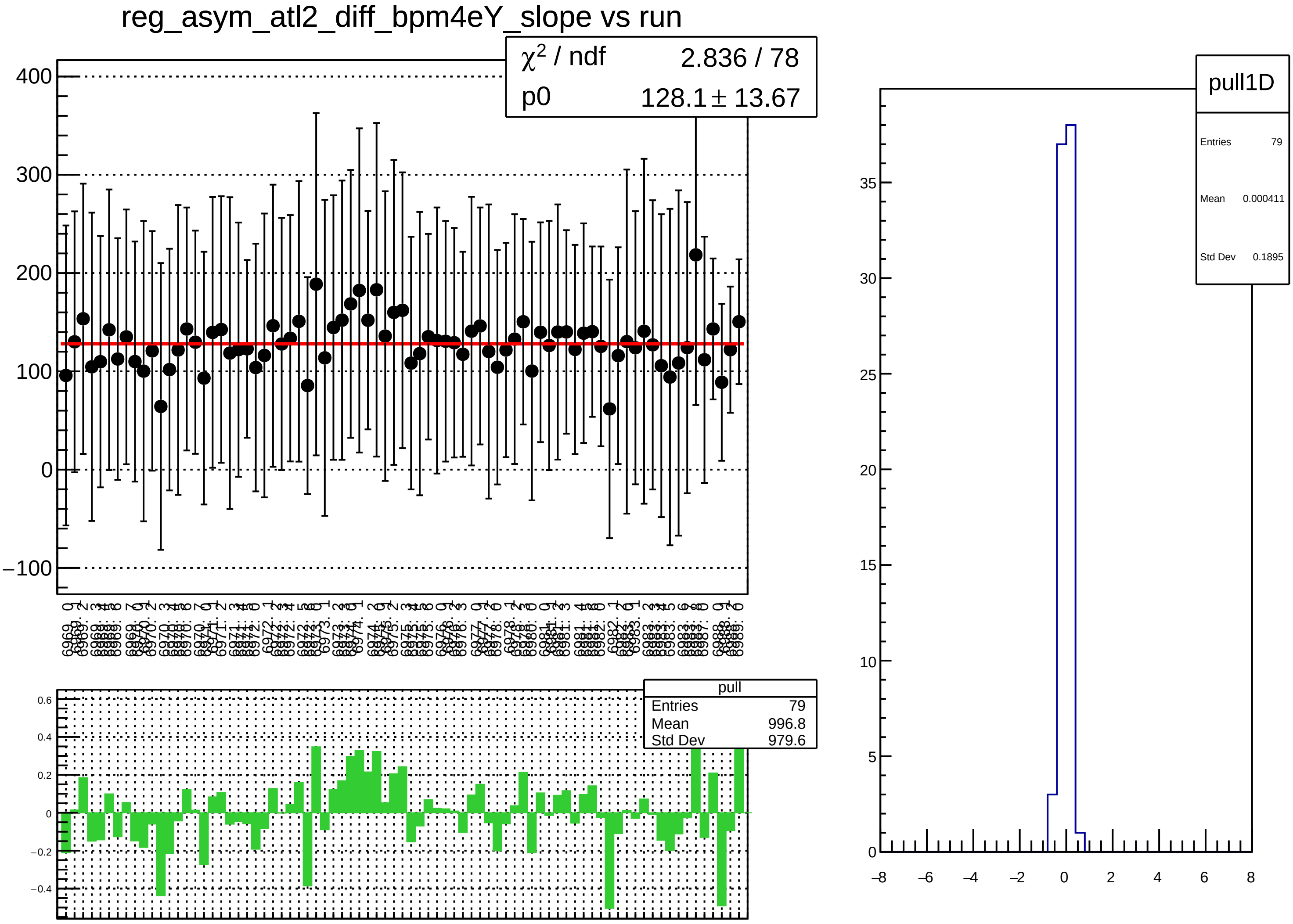

pull
Entries 79
Mean 2131
Std Dev 2085
10
8
6
4
2
0
−2
−4
−6

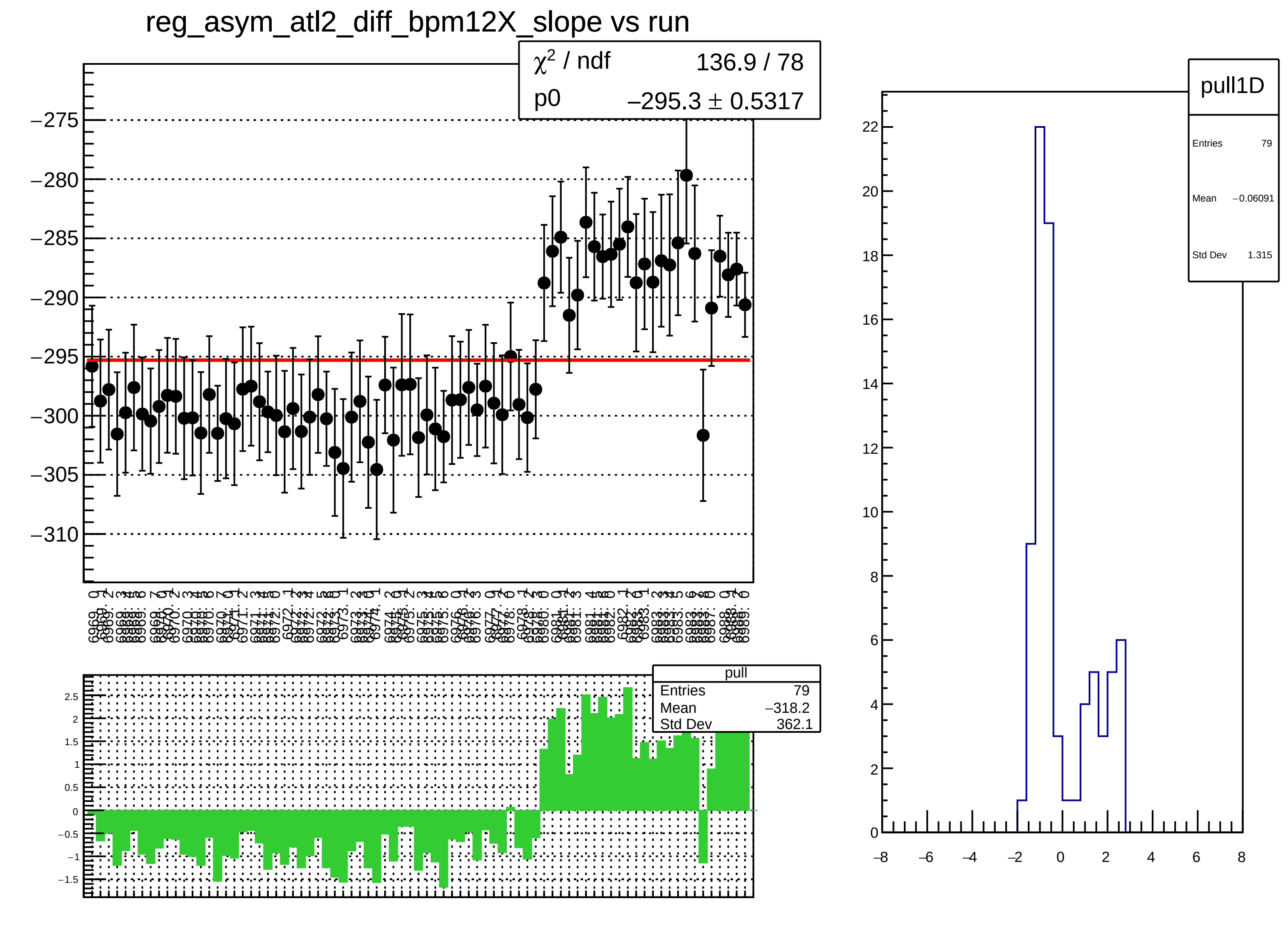

pull1D
Entries 79
Mean −0.09419
Std Dev 3.49
0
1
2
3
4
5
6
7
8
9
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl2_diff_bpm1X_slope vs run
χ2 / ndf 6.234 / 78
p0 −611.9 ± 17.02
pull
Entries 79
Mean −27.18
Std Dev 70.77
pull1D
Entries 79
Mean −0.02717
Std Dev 0.2796

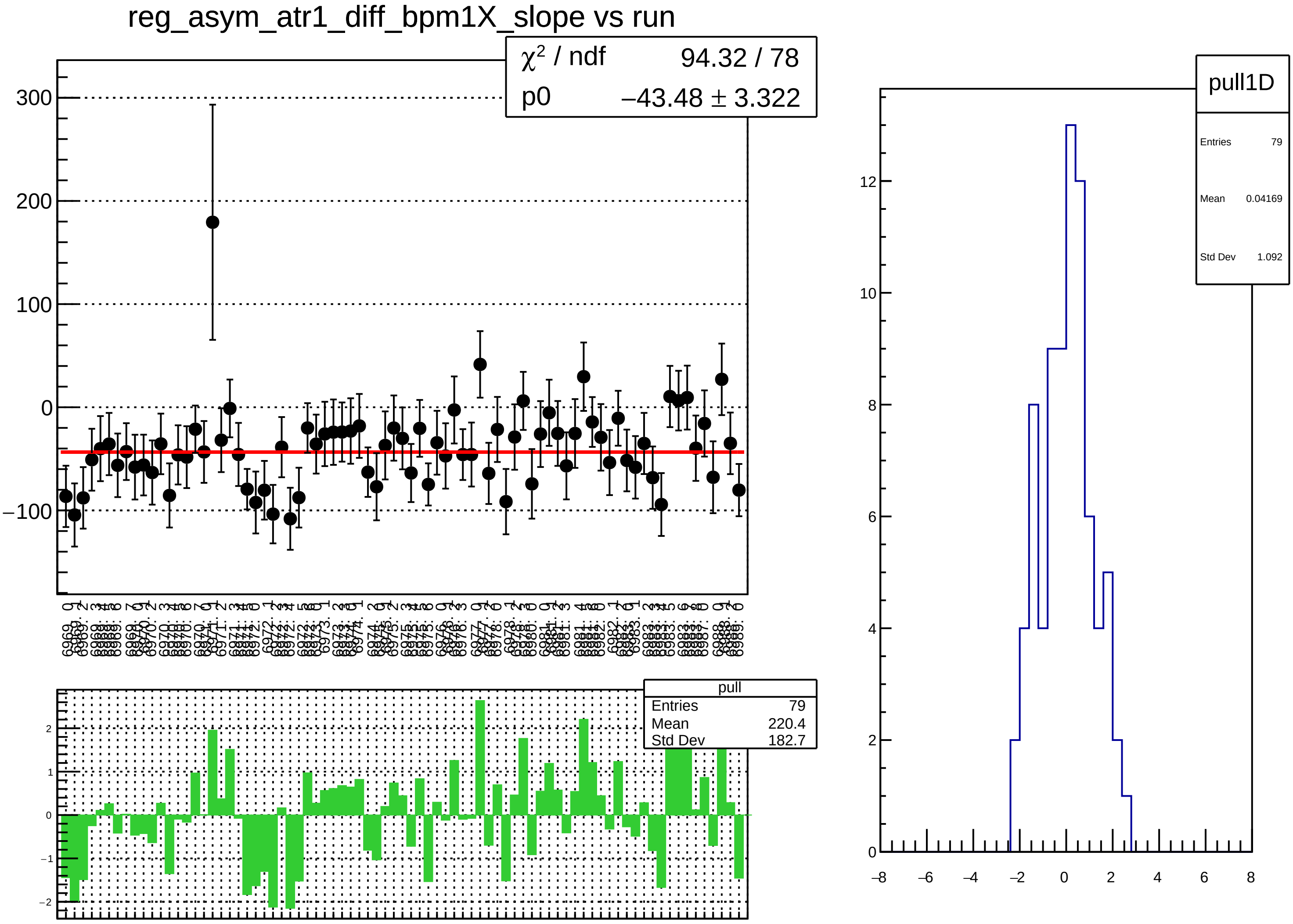

reg_asym_atl2_diff_bpm4aY_slope vs run
χ2 / ndf 2.989 / 78
p0 17.06 ± 11.92
pull
Entries 79
Mean −227.7
Std Dev 260.4
pull1D
Entries 79
Mean 0.003005
Std Dev 0.1945


reg_asym_atl2_diff_bpm4eX_slope vs run
χ2 / ndf 7.567 / 78
p0 505.9 ± 15.64
800
700
600
500
400
300
pull
Entries 79
Mean −26.27
Std Dev 70.3
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 79
Mean 0.03516
Std Dev 0.3075
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

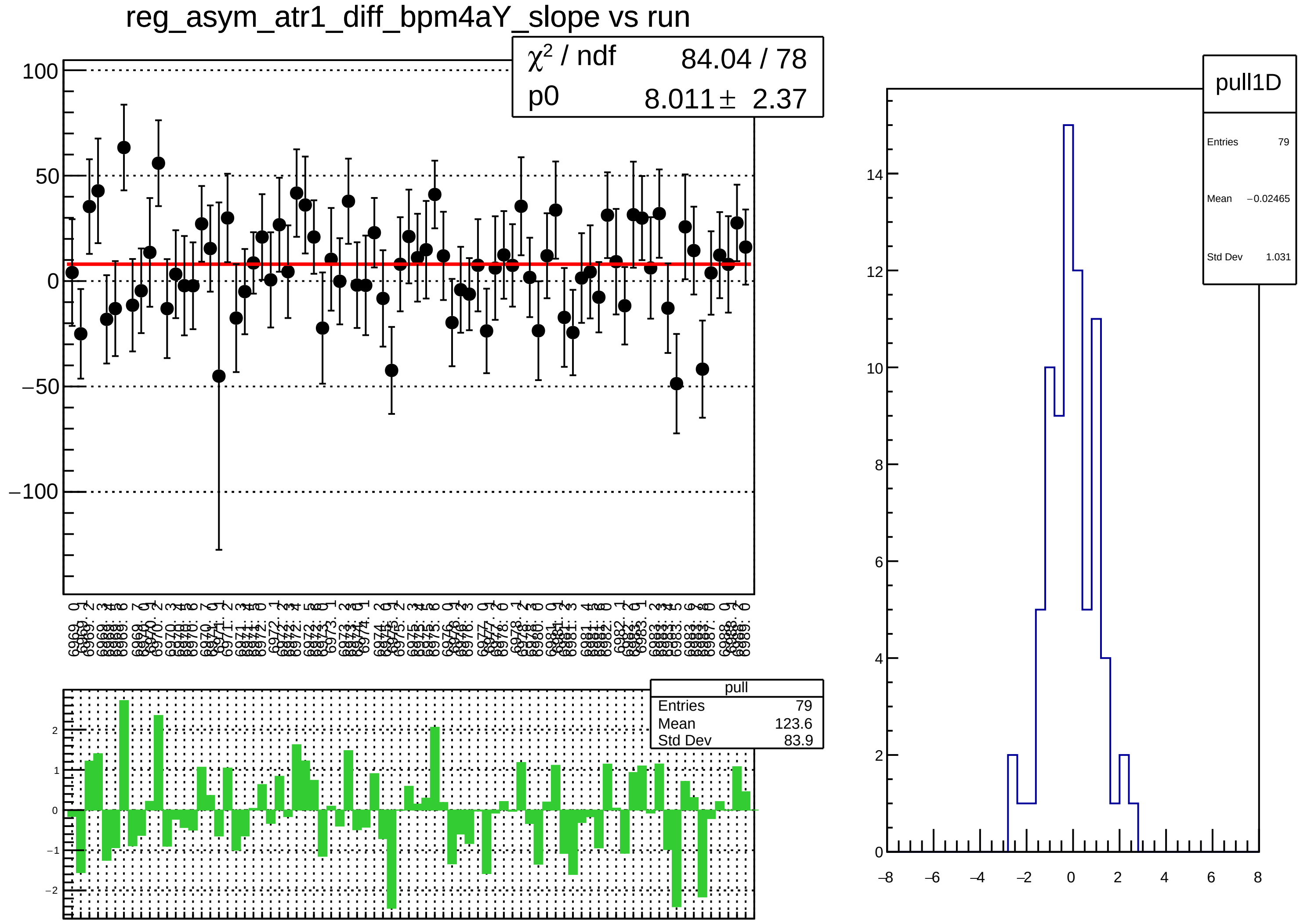

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 2.836 / 78
p0 128.1 ± 13.67
pull
Entries 79
Mean 996.8
Std Dev 979.6
pull1D
Entries 79
Mean 0.000411
Std Dev 0.1895



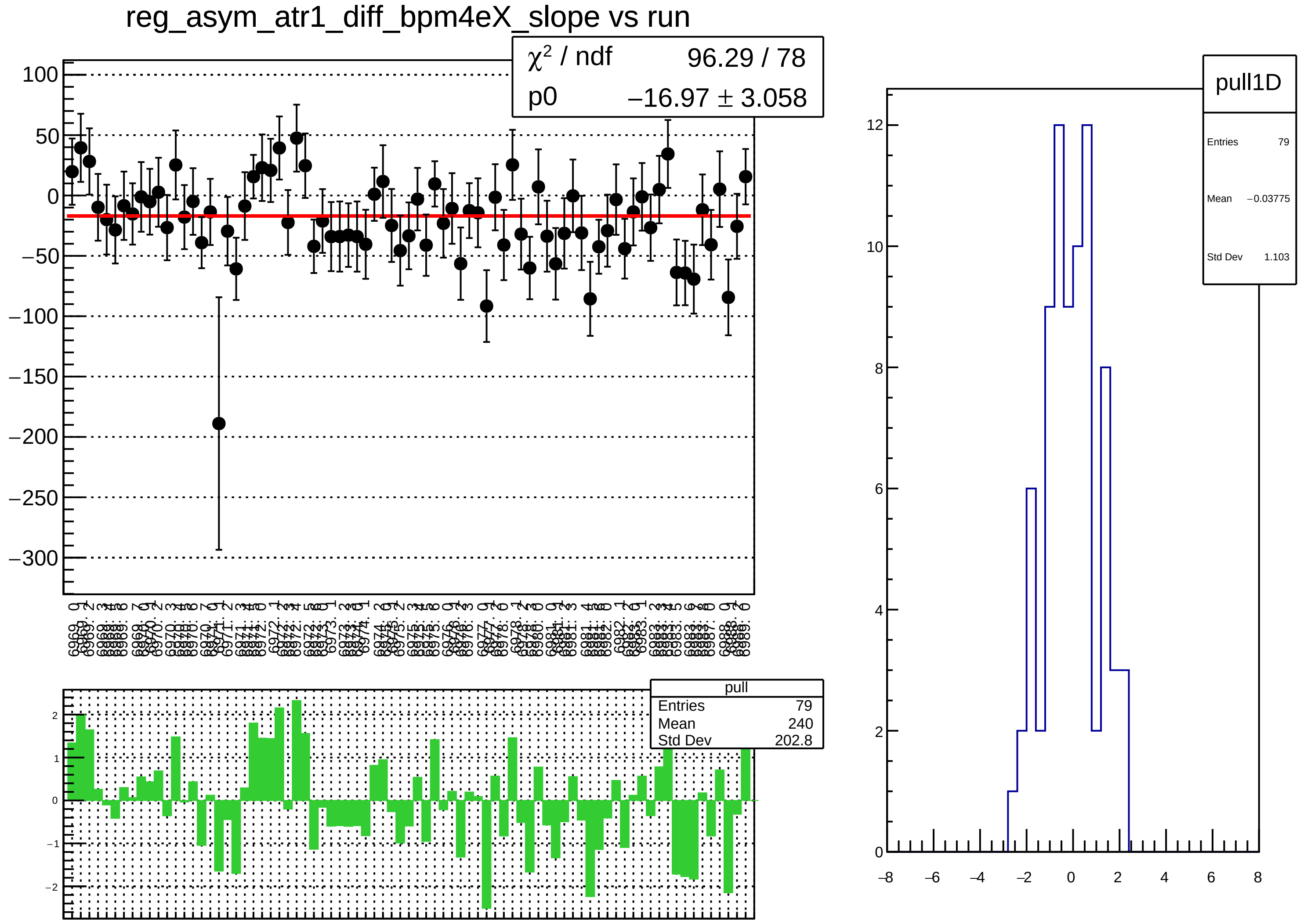
reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 136.9 / 78
p0 −295.3 ± 0.5317
pull
Entries 79
Mean −318.2
Std Dev 362.1
pull1D
Entries 79
Mean −0.06091
Std Dev 1.315

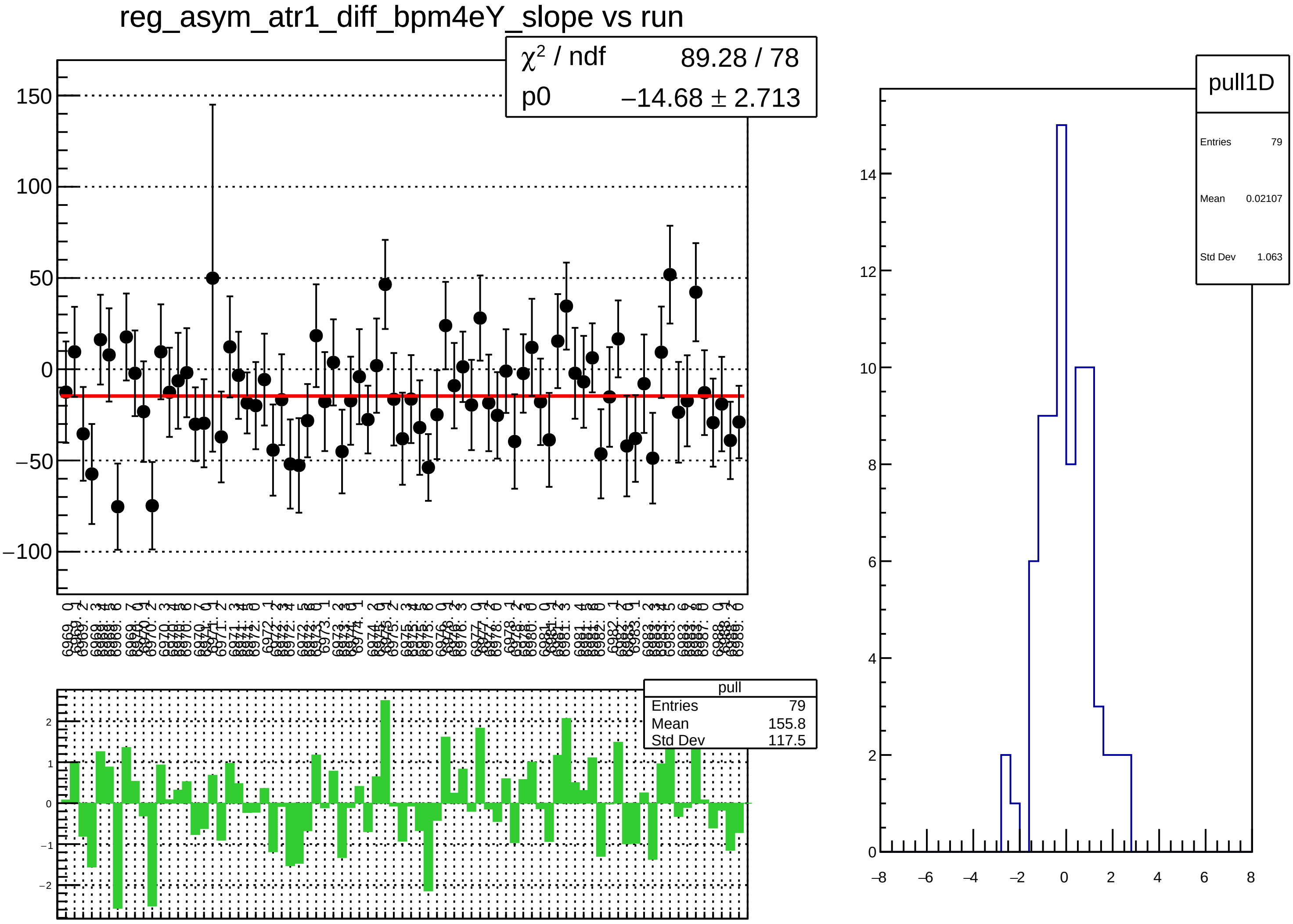


reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 94.32 / 78
p0 −43.48 ± 3.322
pull
Entries 79
Mean 220.4
Std Dev 182.7
pull1D
Entries 79
Mean 0.04169
Std Dev 1.092

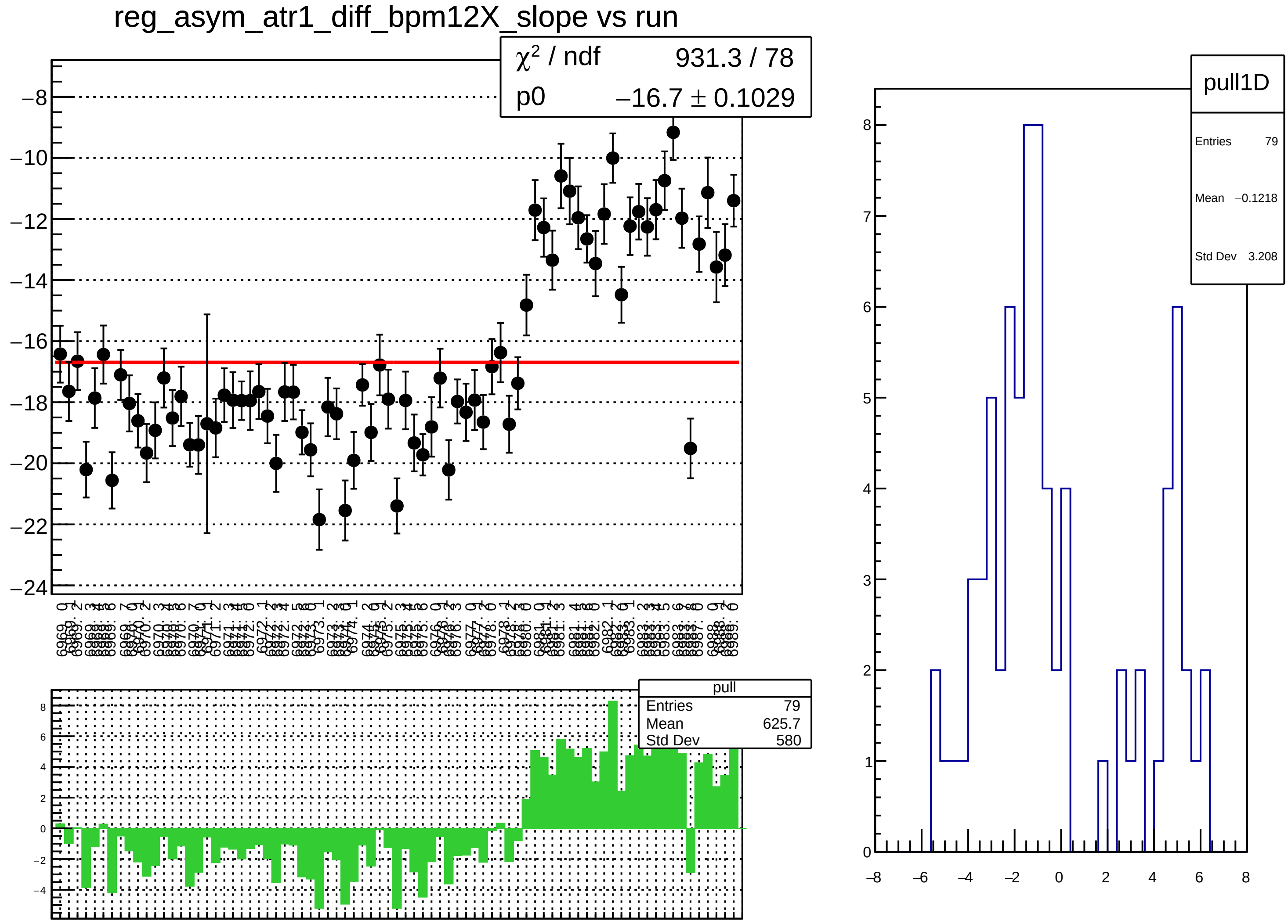


reg_asym_atr1_diff_bpm4aY_slope vs run
χ^2 / ndf 84.04 / 78
p0 8.011 ± 2.37
pull
Entries 79
Mean 123.6
Std Dev 83.9
pull1D
Entries 79
Mean −0.02465
Std Dev 1.031

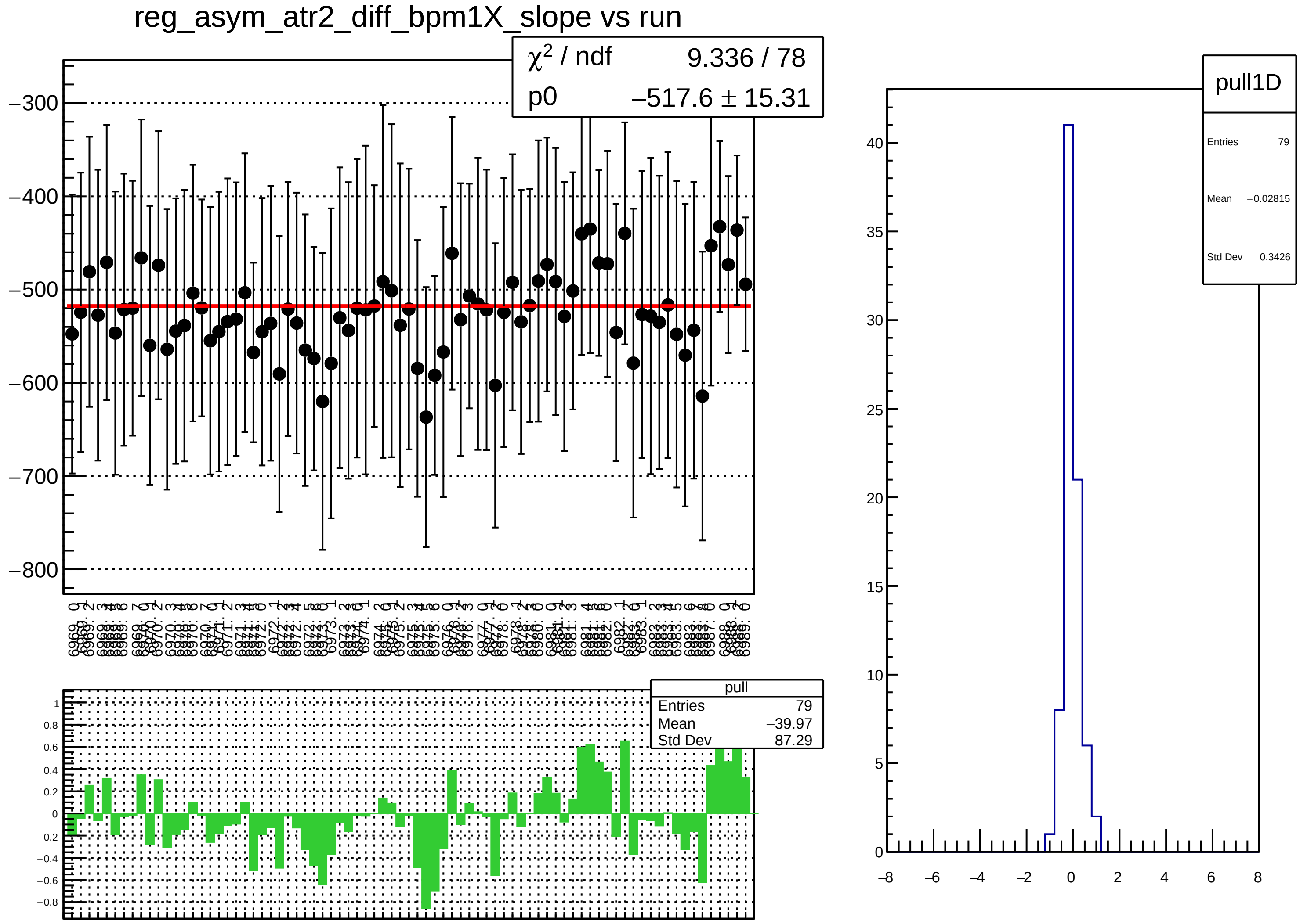

reg_asym_atr1_diff_bpm4eX_slope vs run
χ2 / ndf 96.29 / 78
p0 −16.97 ± 3.058
pull
Entries 79
Mean 240
Std Dev 202.8
pull1D
Entries 79
Mean −0.03775
Std Dev 1.103



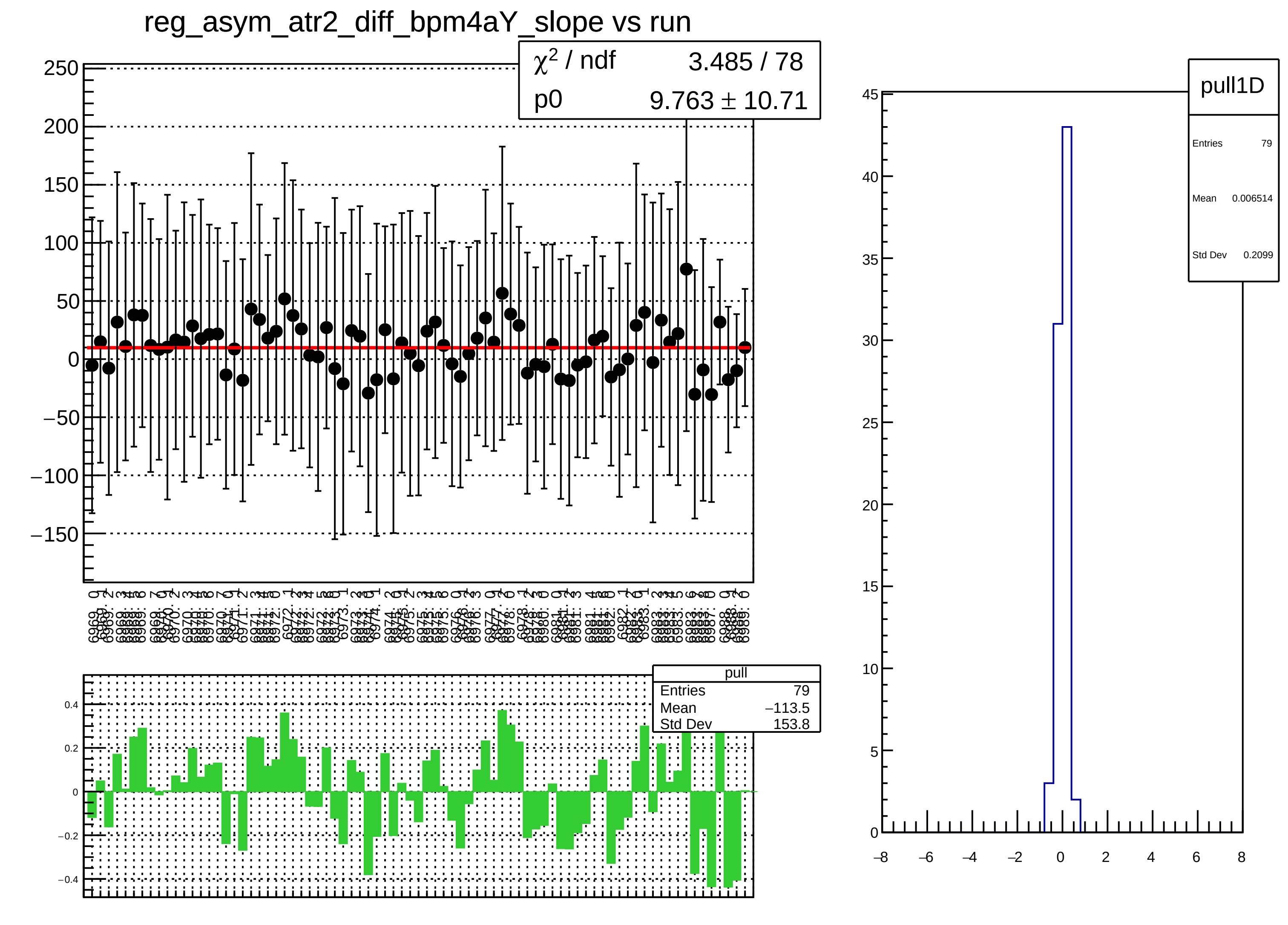
reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 89.28 / 78
p0 −14.68 ± 2.713
pull
Entries 79
Mean 155.8
Std Dev 117.5
pull1D
Entries 79
Mean 0.02107
Std Dev 1.063



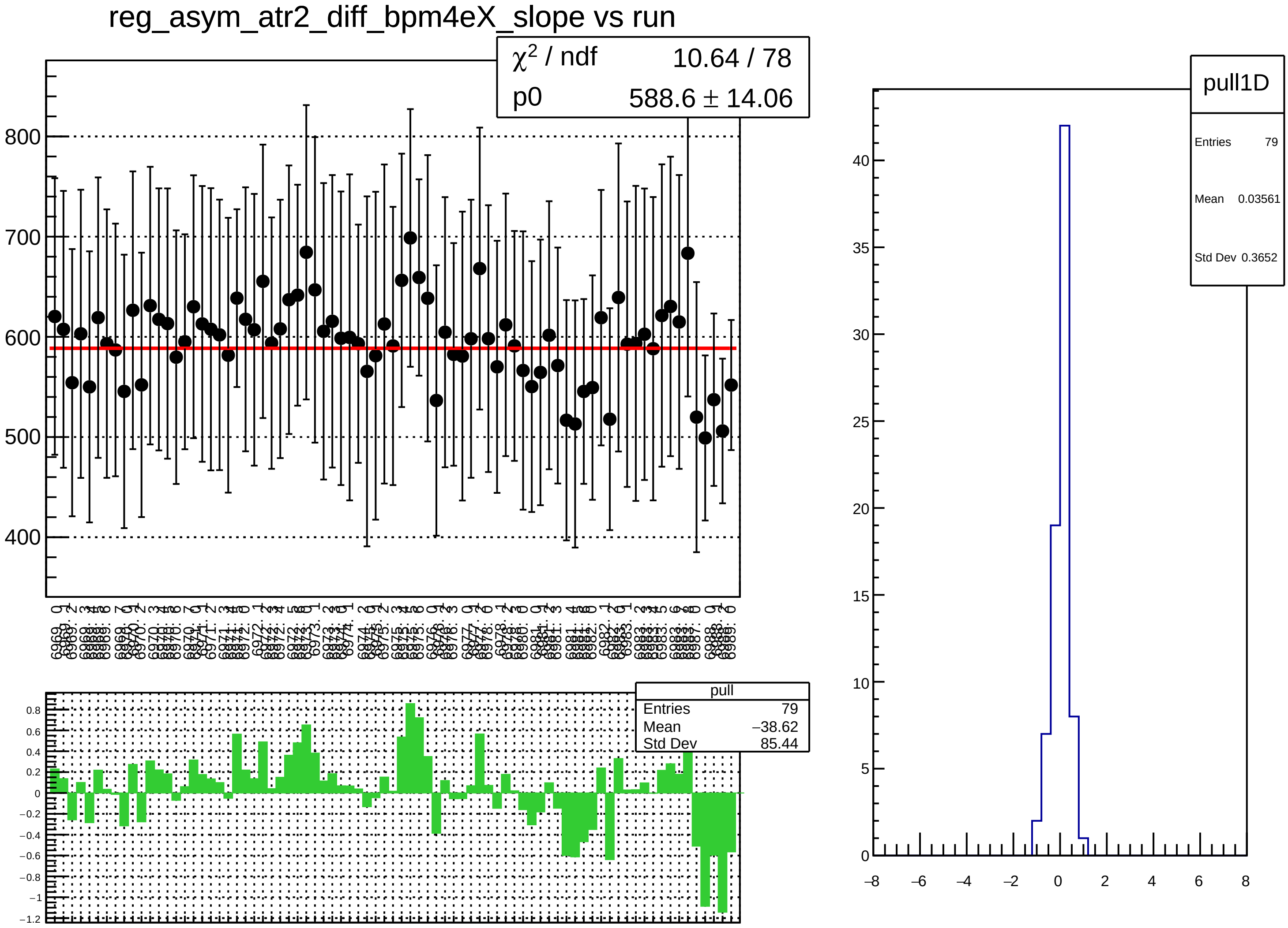
reg_asym_atr1_diff_bpm12X_slope vs run
χ2 / ndf 931.3 / 78
p0 −16.7 ± 0.1029
pull
Entries 79
Mean 625.7
Std Dev 580
pull1D
Entries 79
Mean −0.1218
Std Dev 3.208



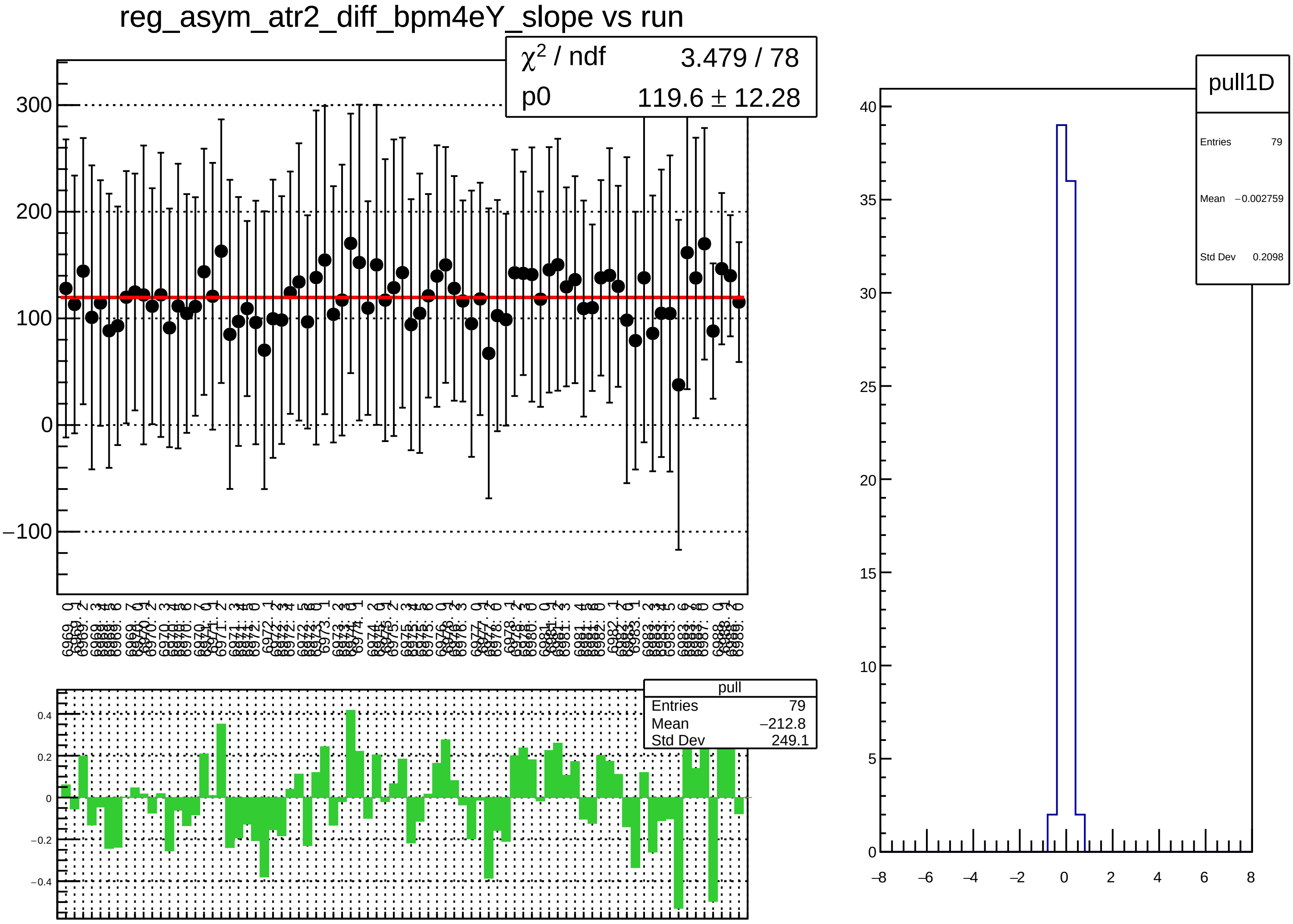
reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 9.336 / 78
p0 −517.6 ± 15.31
pull
Entries 79
Mean −39.97
Std Dev 87.29
pull1D
Entries 79
Mean −0.02815
Std Dev 0.3426

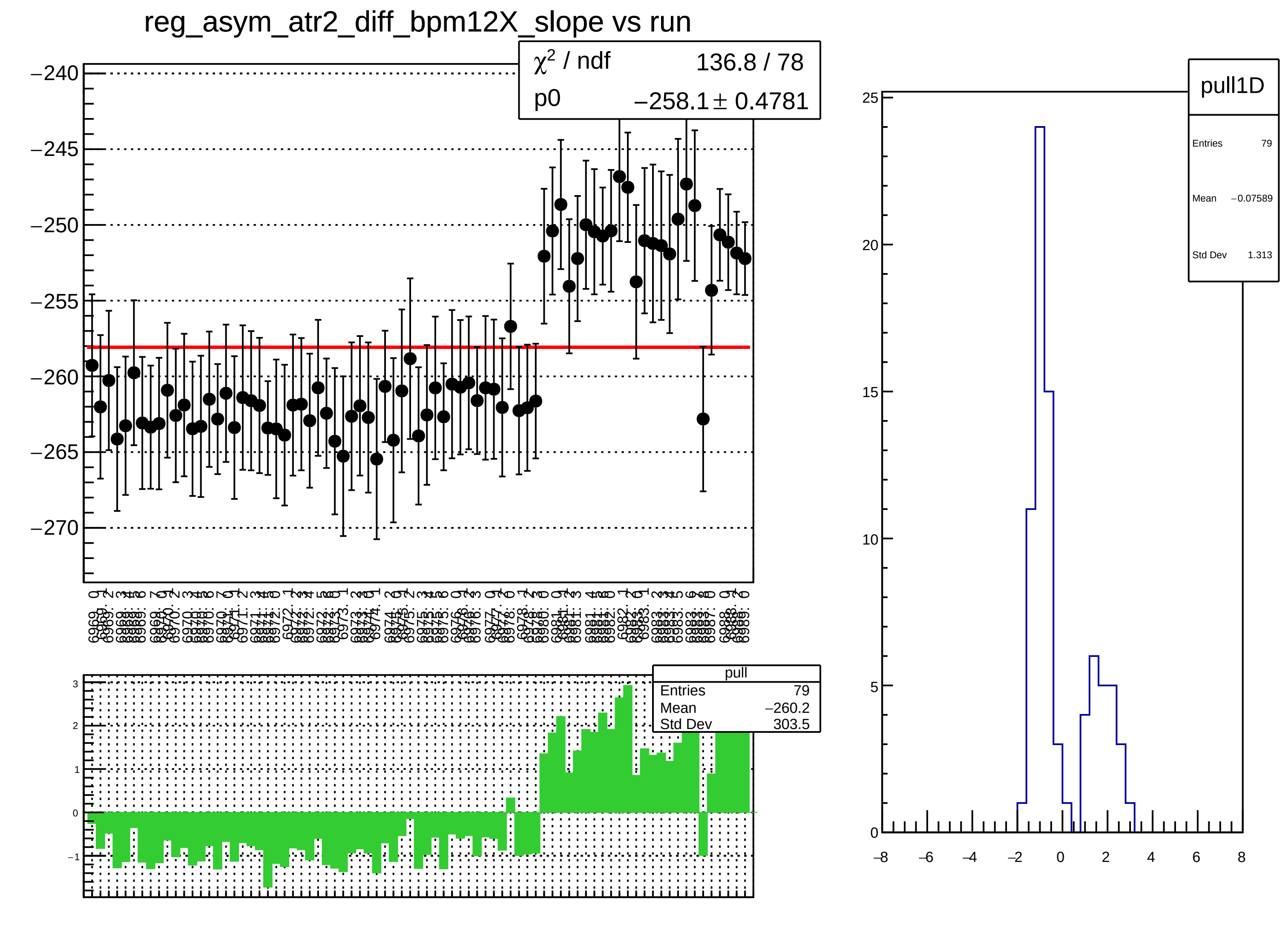


reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 3.485 / 78
p0 9.763 ± 10.71
pull
Entries 79
Mean −113.5
Std Dev 153.8
pull1D
Entries 79
Mean 0.006514
Std Dev 0.2099

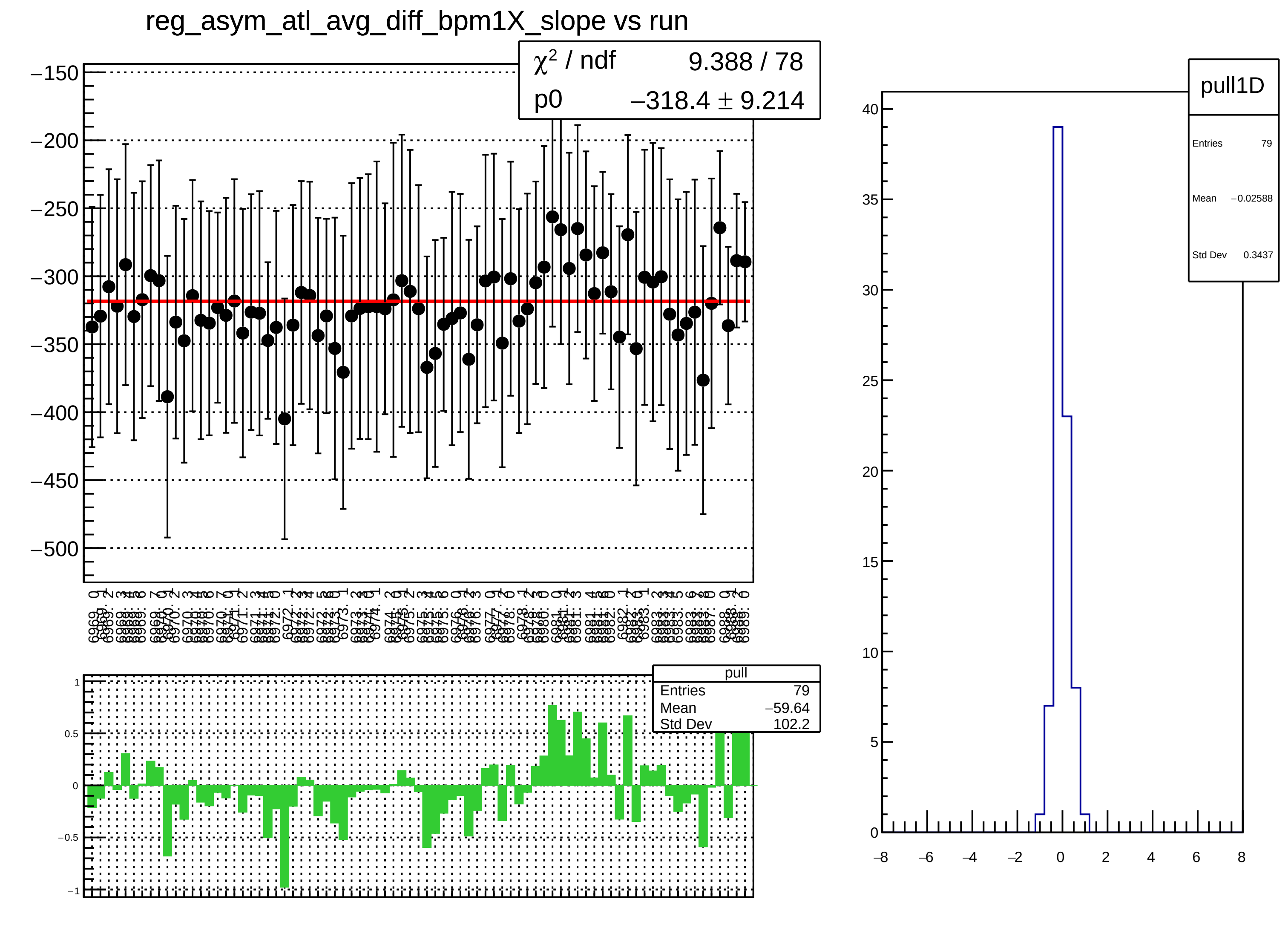


reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 10.64 / 78
p0 588.6 ± 14.06
pull
Entries 79
Mean −38.62
Std Dev 85.44
pull1D
Entries 79
Mean 0.03561
Std Dev 0.3652

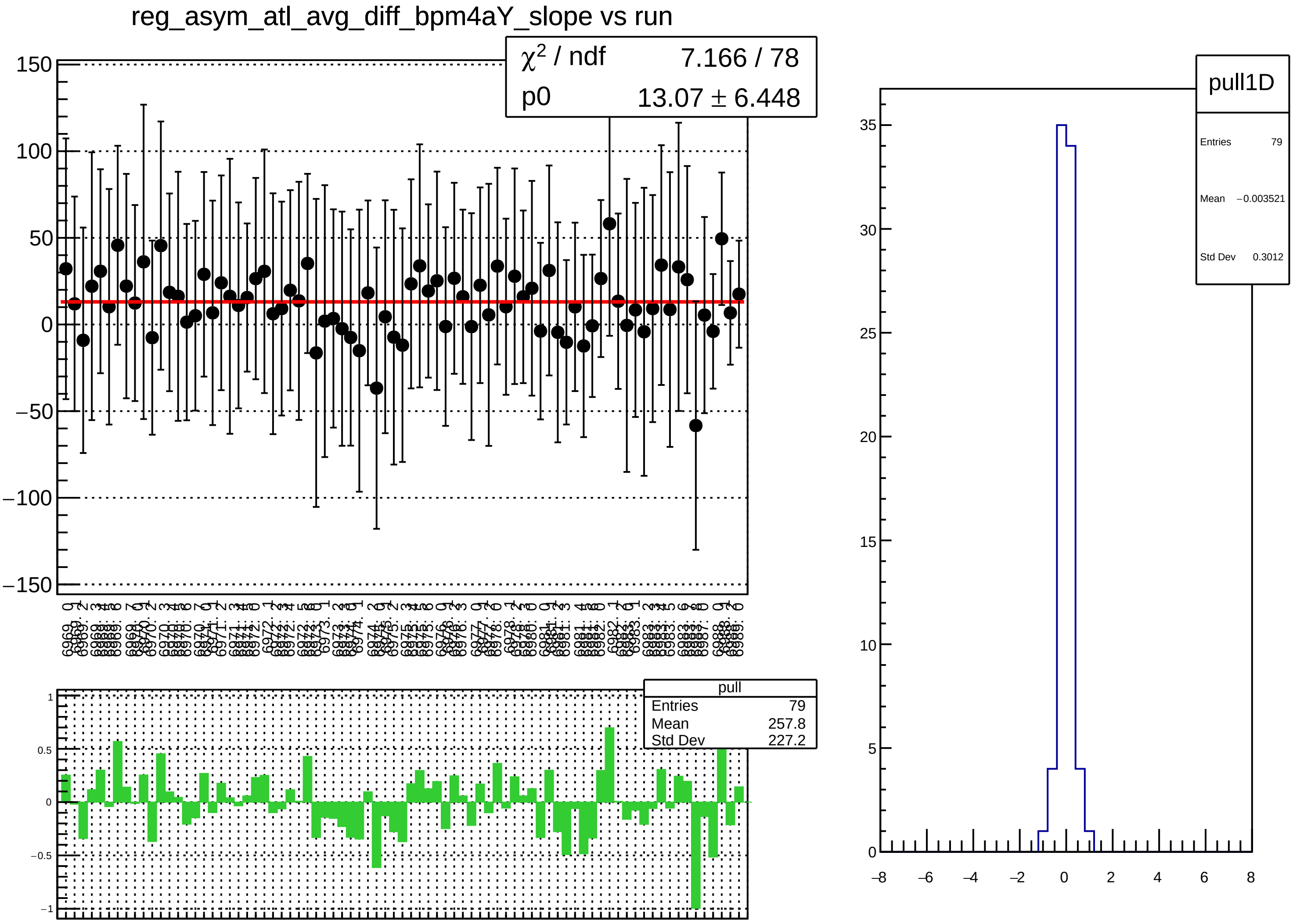

reg_asym_atr2_diff_bpm4eY_slope vs run
χ2 / ndf 3.479 / 78
p0 119.6 ± 12.28
pull
Entries 79
Mean −212.8
Std Dev 249.1
pull1D
Entries 79
Mean −0.002759
Std Dev 0.2098

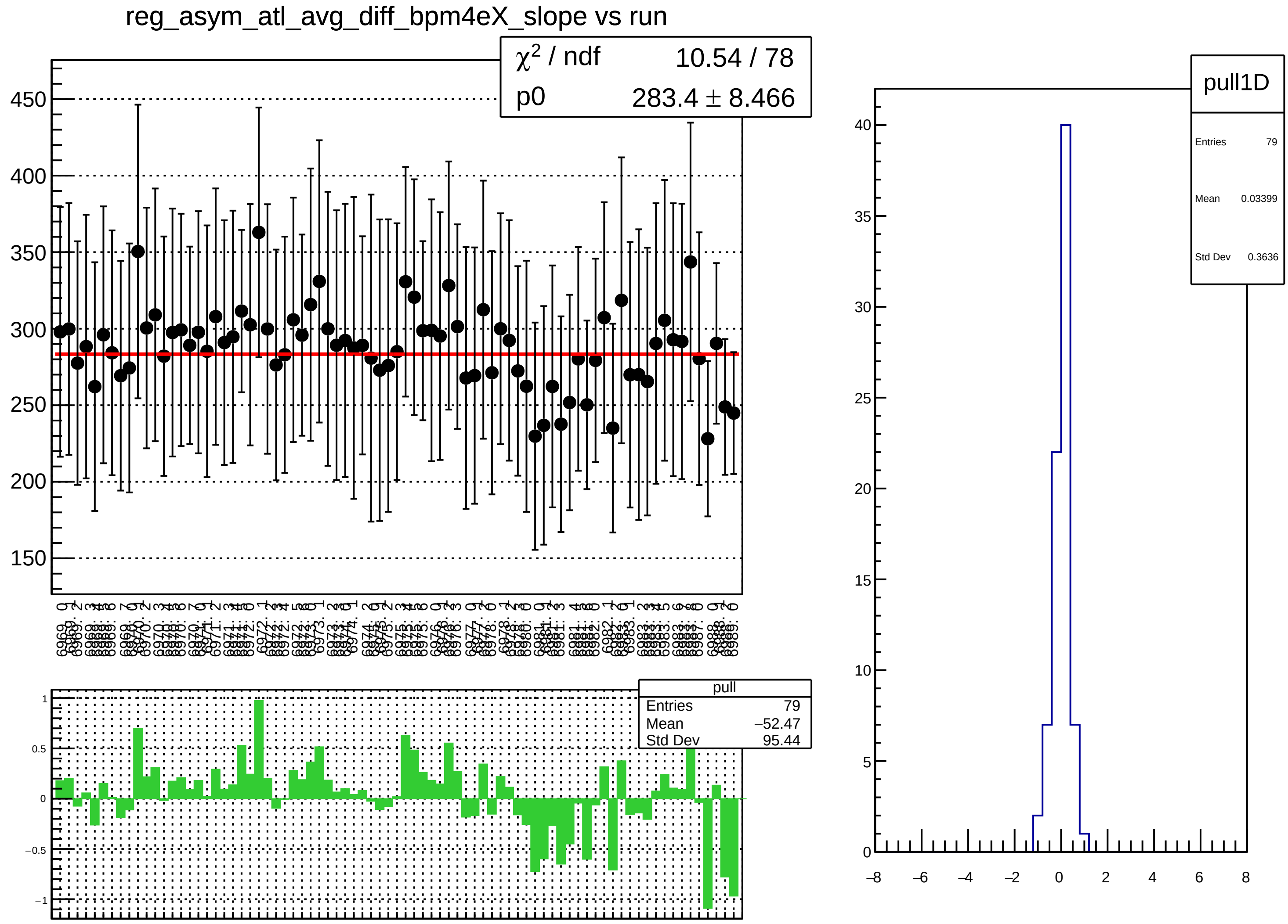


reg_asym_atr2_diff_bpm12X_slope vs run
χ2 / ndf 136.8 / 78
p0 −258.1 ± 0.4781
pull
Entries 79
Mean −260.2
Std Dev 303.5
pull1D
Entries 79
Mean −0.07589
Std Dev 1.313



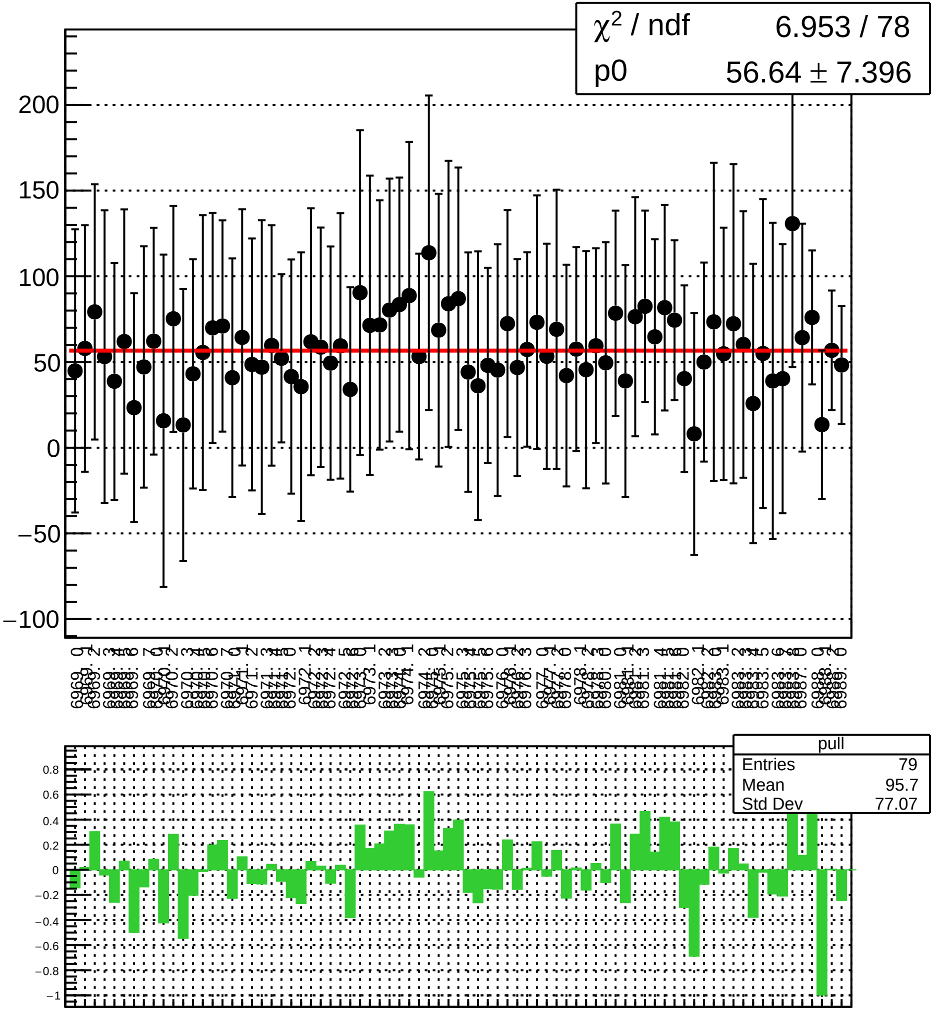
reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.388 / 78
p0 −318.4 ± 9.214
pull
Entries 79
Mean −59.64
Std Dev 102.2
pull1D
Entries 79
Mean −0.02588
Std Dev 0.3437

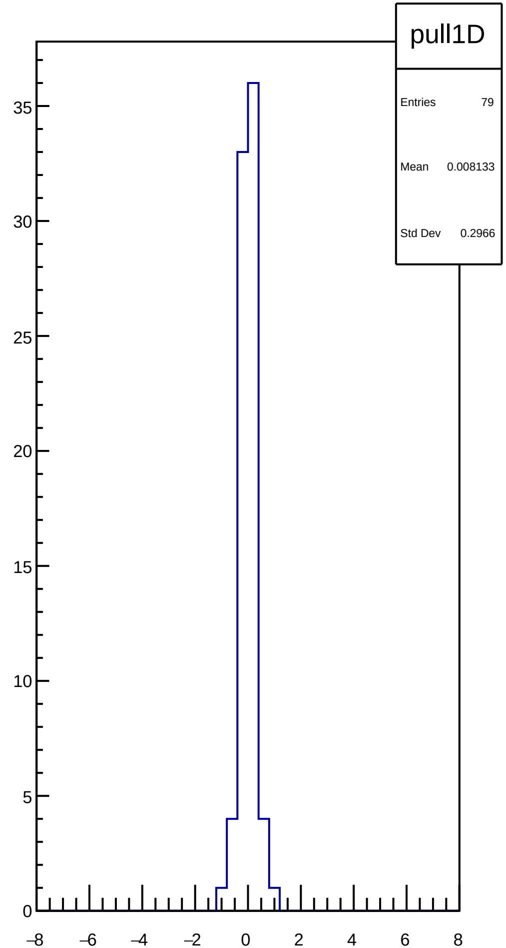

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 7.166 / 78
p0 13.07 ± 6.448
pull
Entries 79
Mean 257.8
Std Dev 227.2
pull1D
Entries 79
Mean −0.003521
Std Dev 0.3012

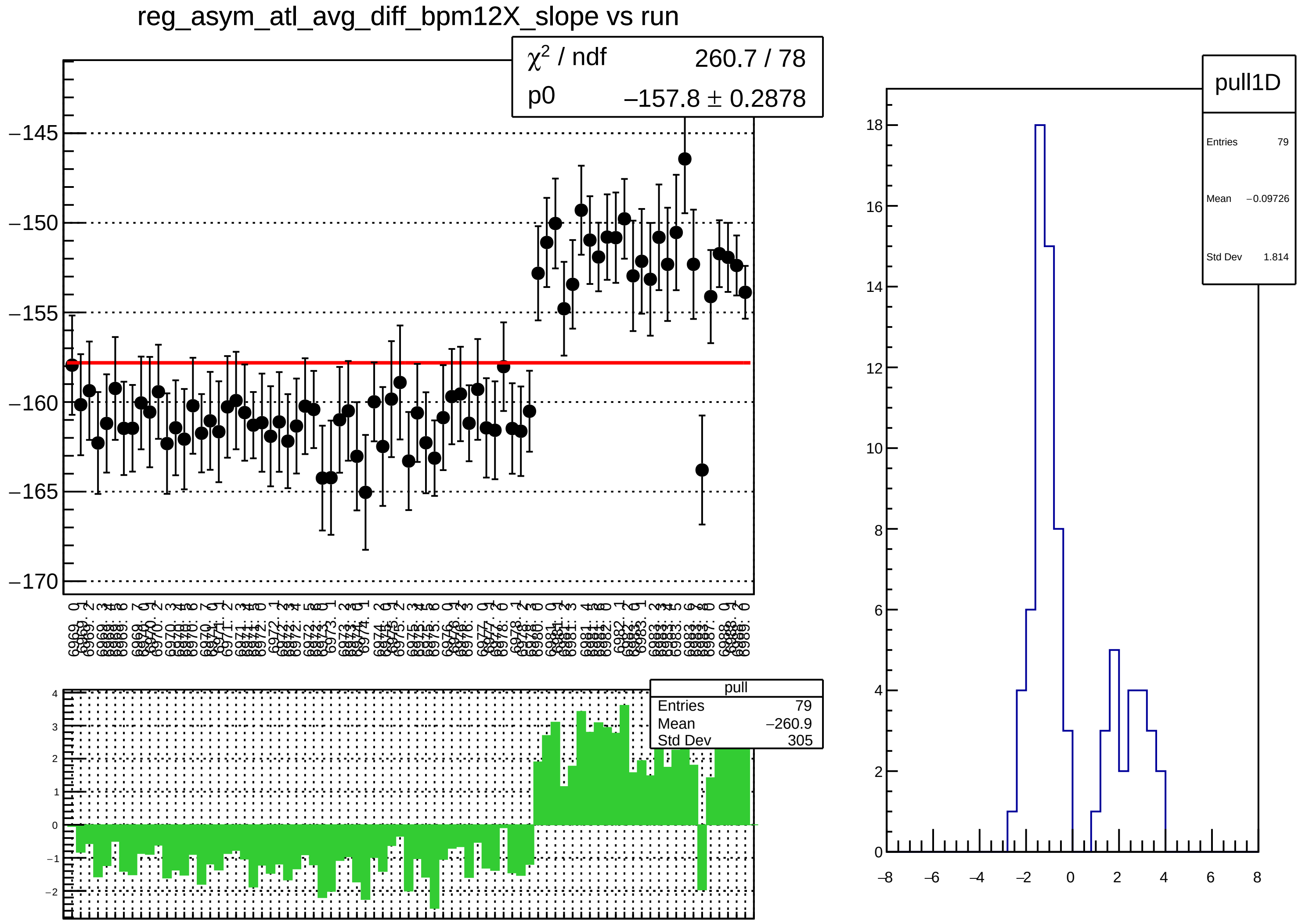


reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.54 / 78
p0 283.4 ± 8.466
pull
Entries 79
Mean −52.47
Std Dev 95.44
pull1D
Entries 79
Mean 0.03399
Std Dev 0.3636

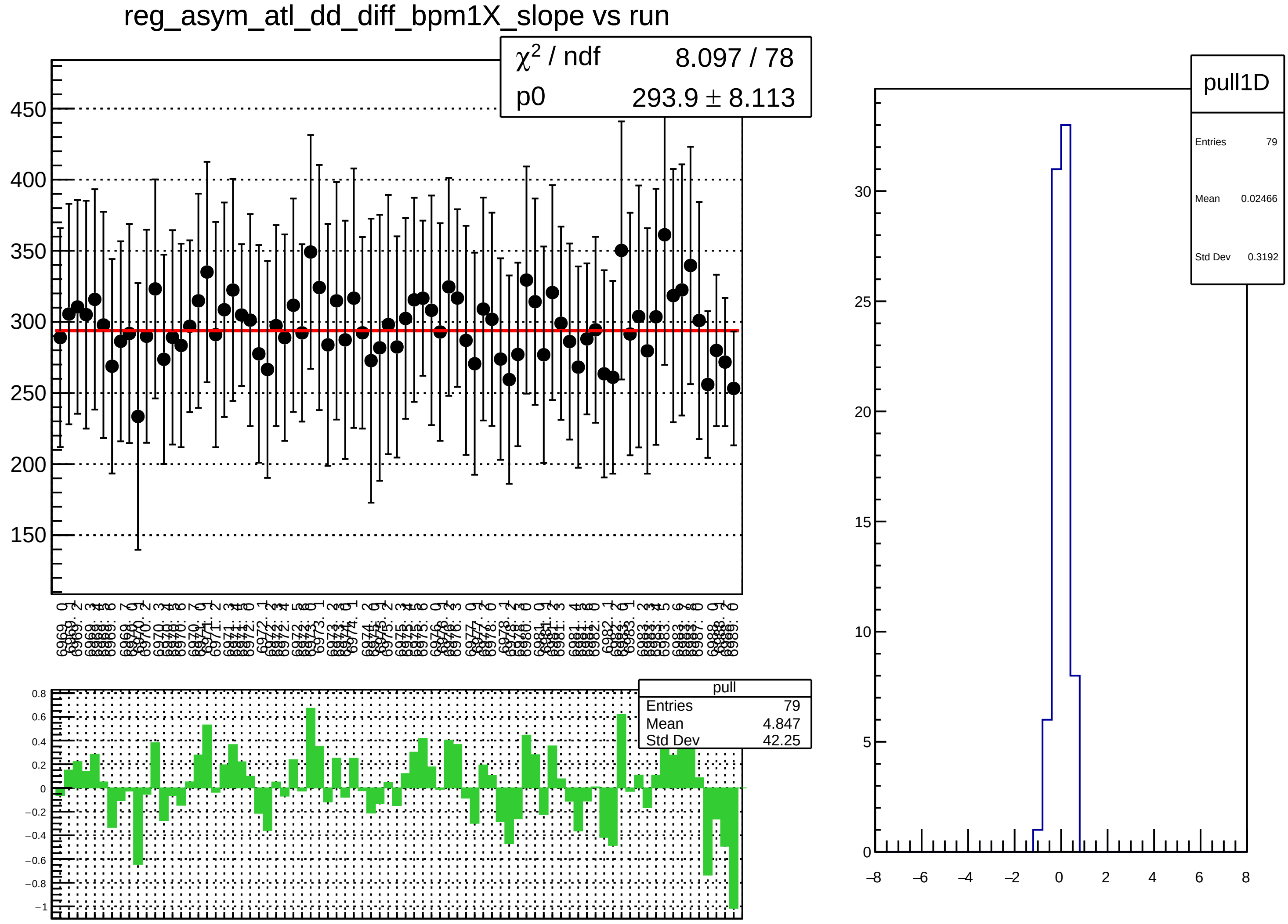
reg_asym_atl_avg_diff_bpm4eY_slope vs run



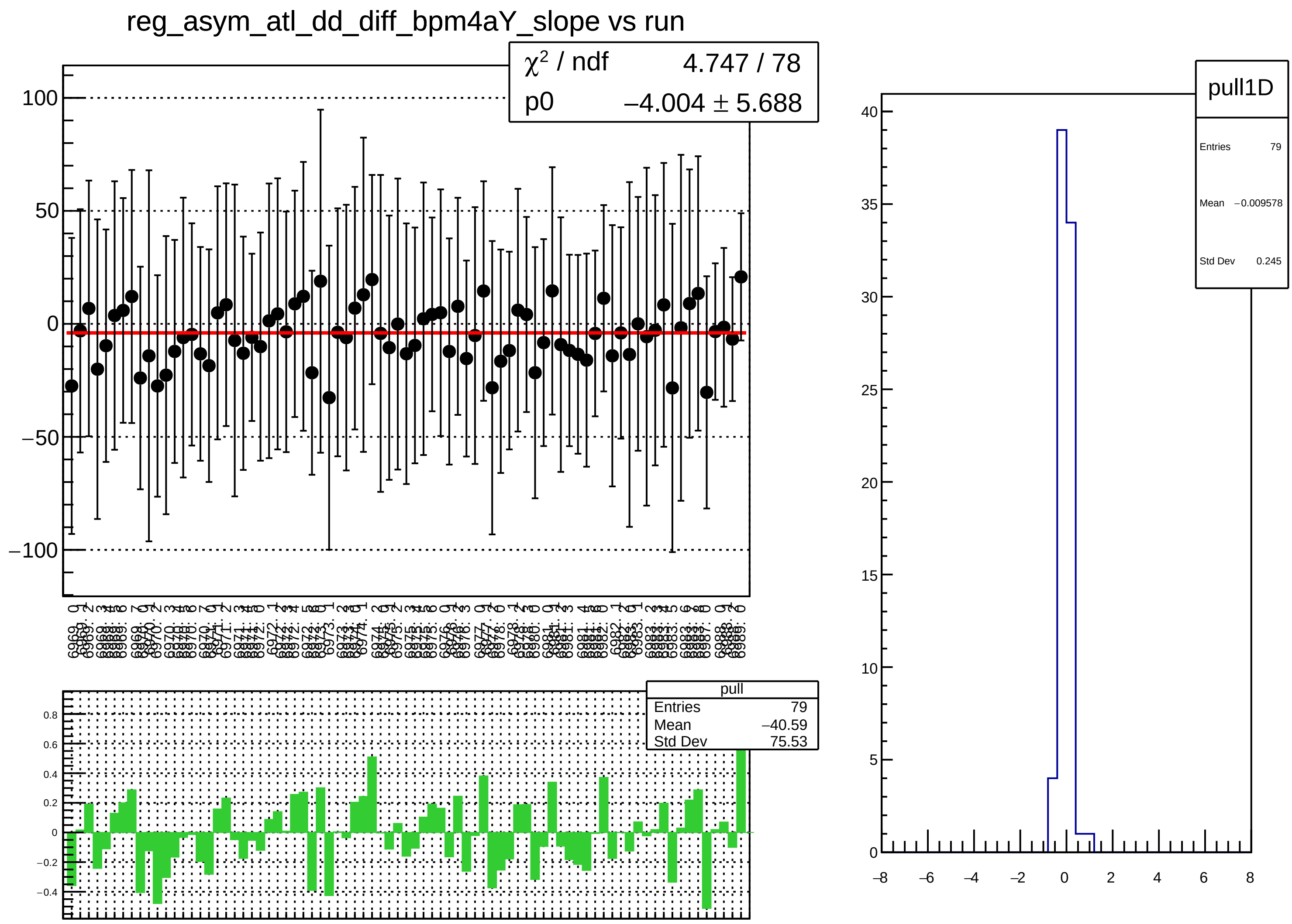


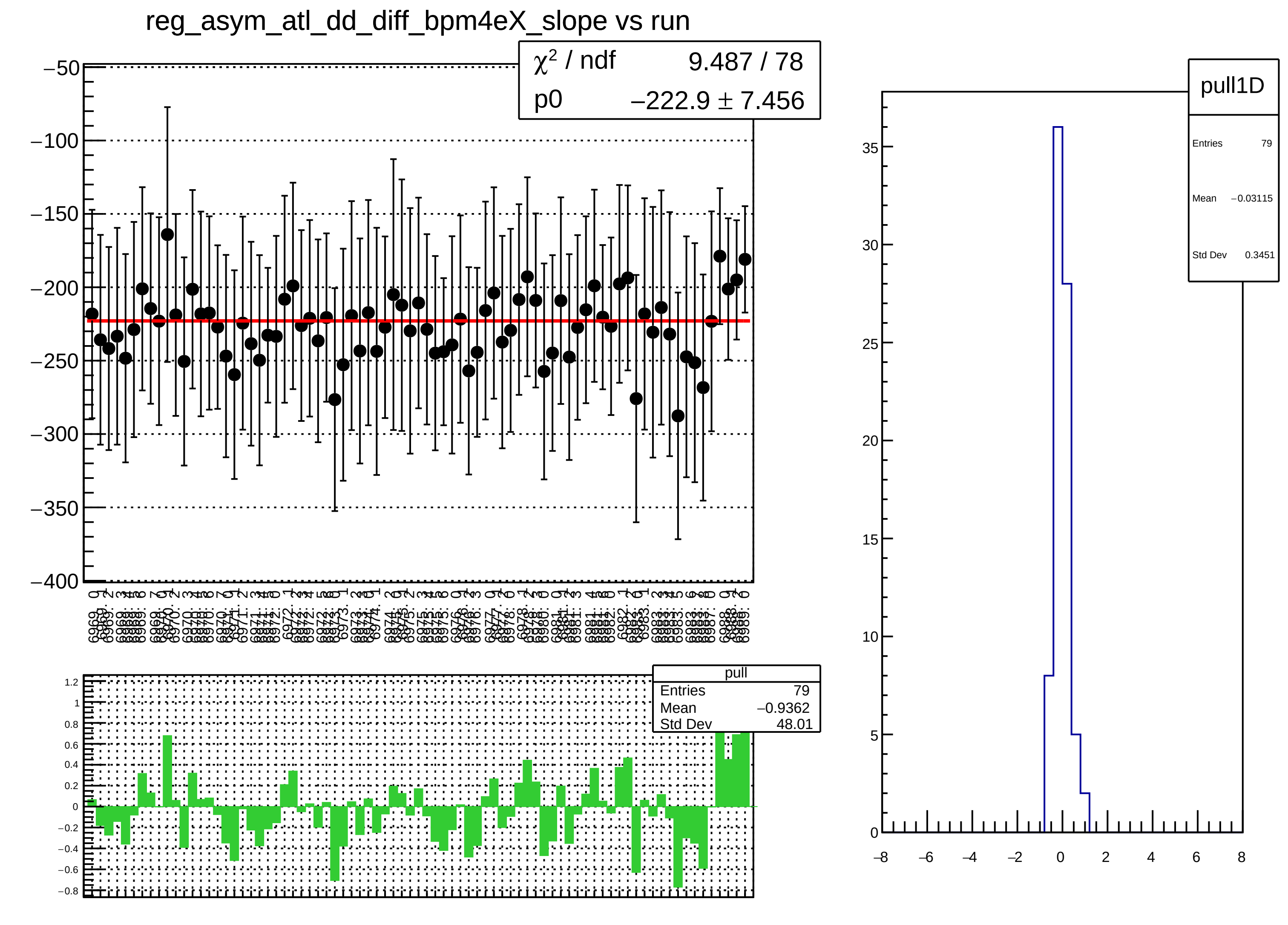


reg_asym_atl_avg_diff_bpm12X_slope vs run
χ2 / ndf 260.7 / 78
p0 −157.8 ± 0.2878
pull
Entries 79
Mean −260.9
Std Dev 305
pull1D
Entries 79
Mean −0.09726
Std Dev 1.814

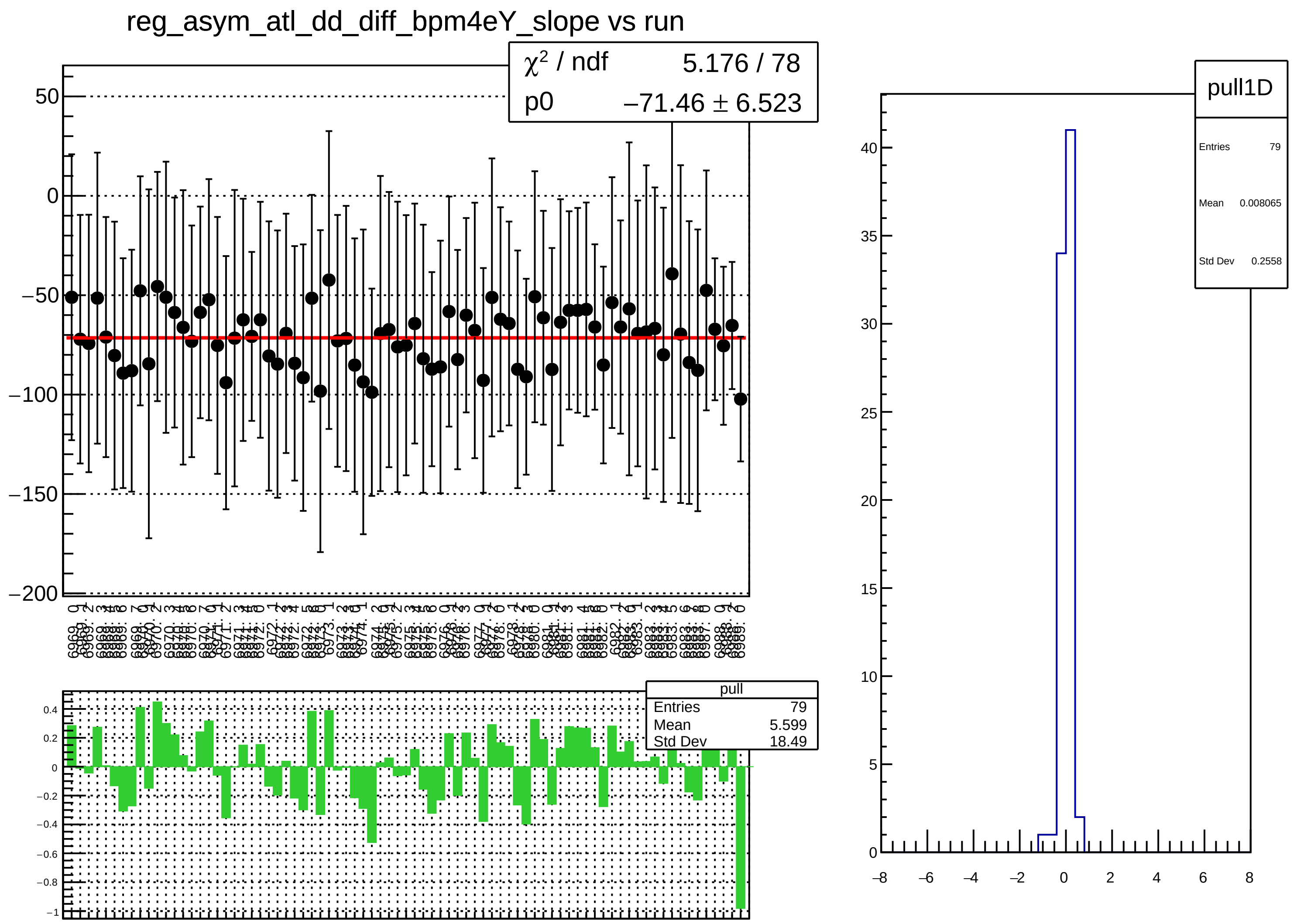


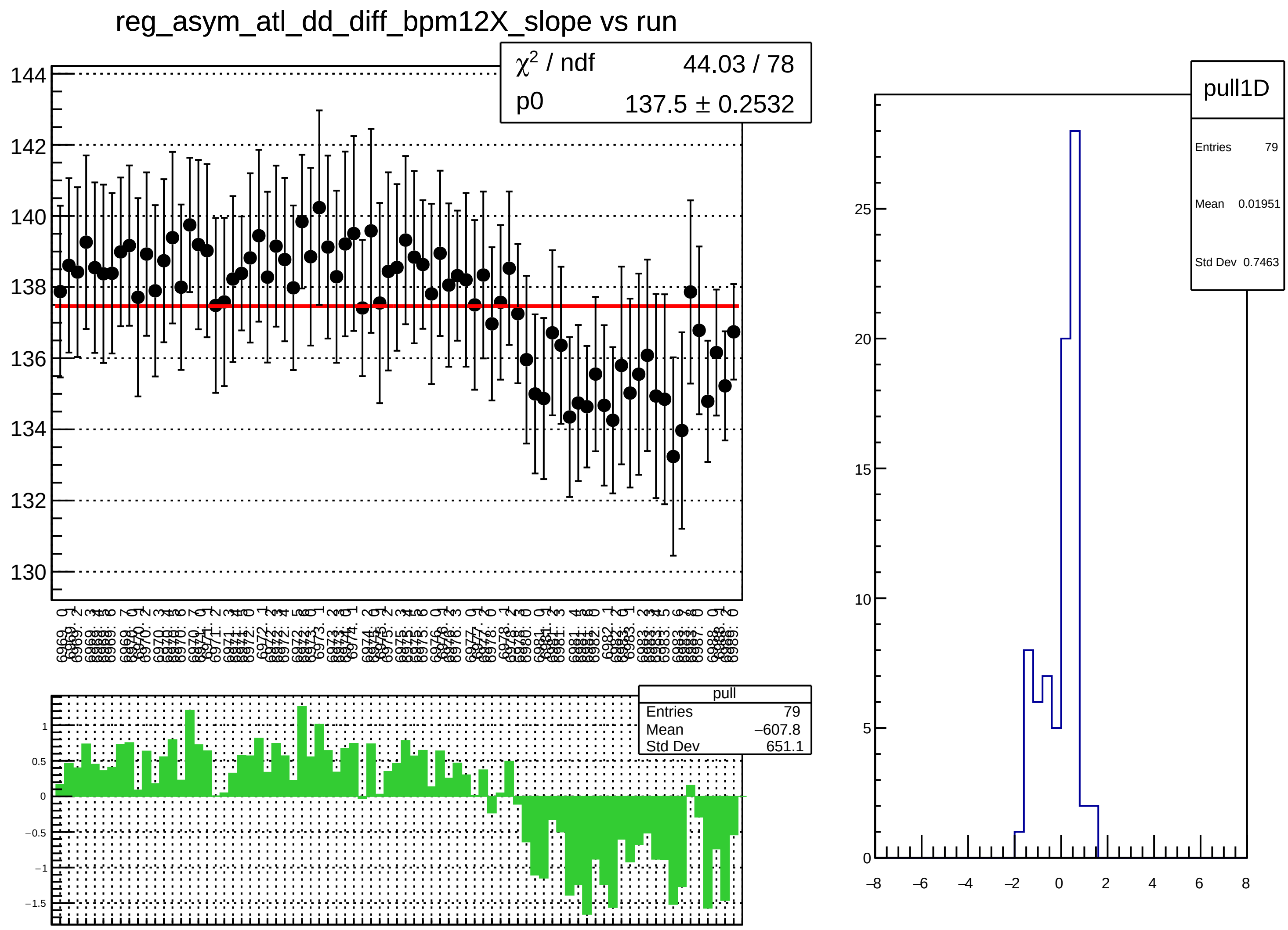
reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.097 / 78
p0 293.9 ± 8.113
pull
Entries 79
Mean 4.847
Std Dev 42.25
pull1D
Entries 79
Mean 0.02466
Std Dev 0.3192


reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ2 / ndf 4.747 / 78
p0 −4.004 ± 5.688
pull
Entries 79
Mean −40.59
Std Dev 75.53
pull1D
Entries 79
Mean −0.009578
Std Dev 0.245

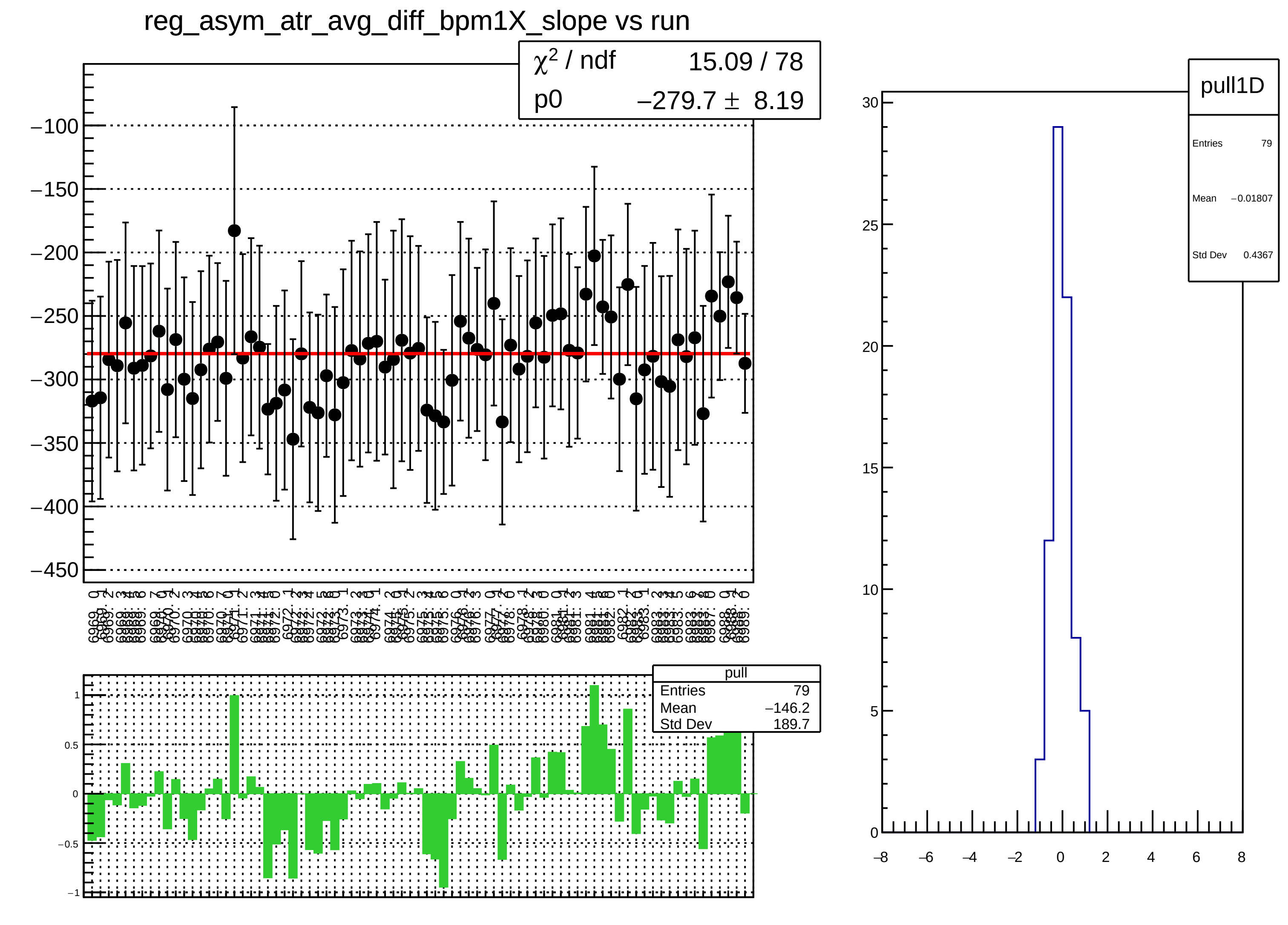


reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ2 / ndf 9.487 / 78
p0 −222.9 ± 7.456
pull
Entries 79
Mean −0.9362
Std Dev 48.01
pull1D
Entries 79
Mean −0.03115
Std Dev 0.3451

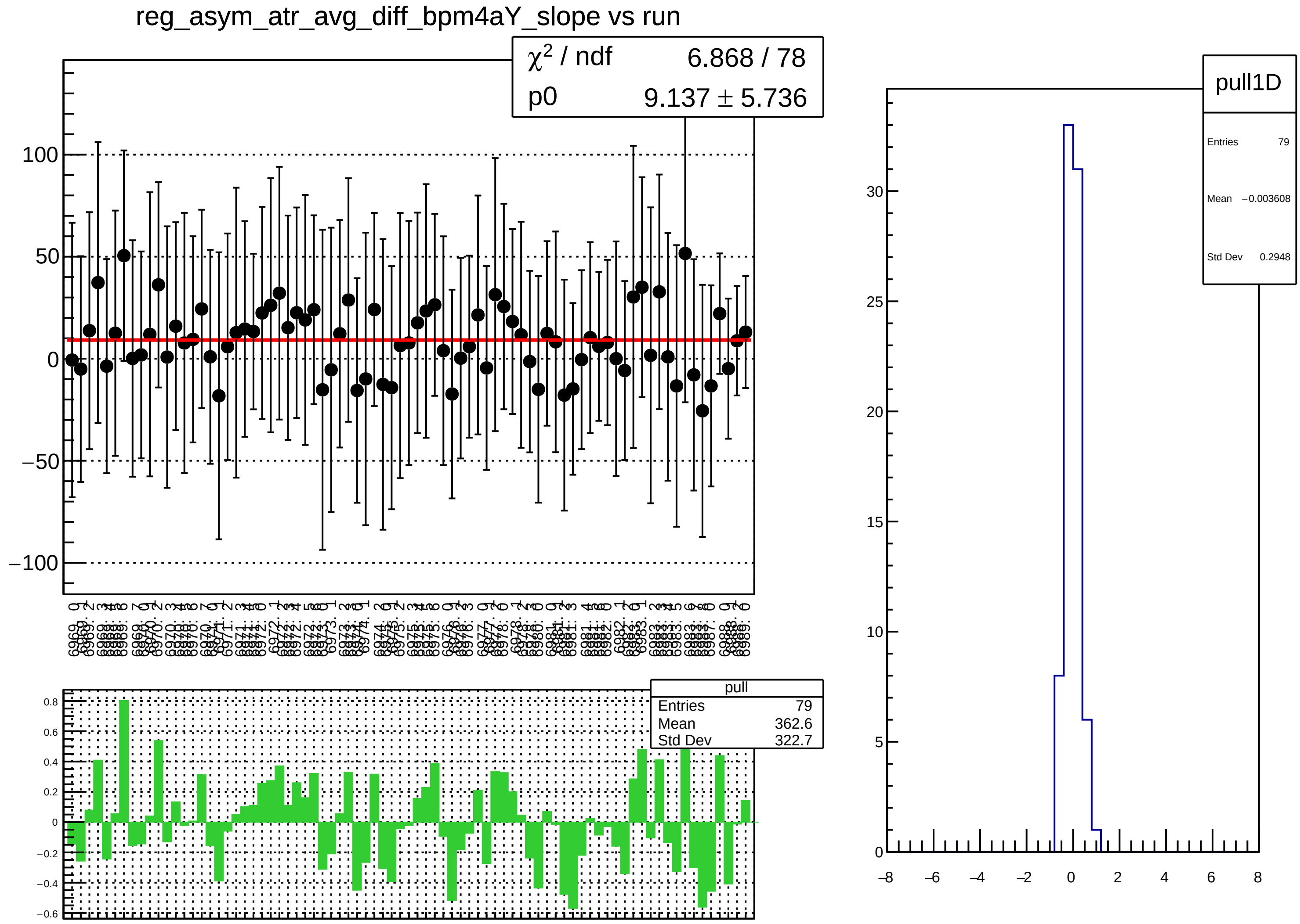

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ2 / ndf 5.176 / 78
p0 −71.46 ± 6.523
pull
Entries 79
Mean 5.599
Std Dev 18.49
pull1D
Entries 79
Mean 0.008065
Std Dev 0.2558



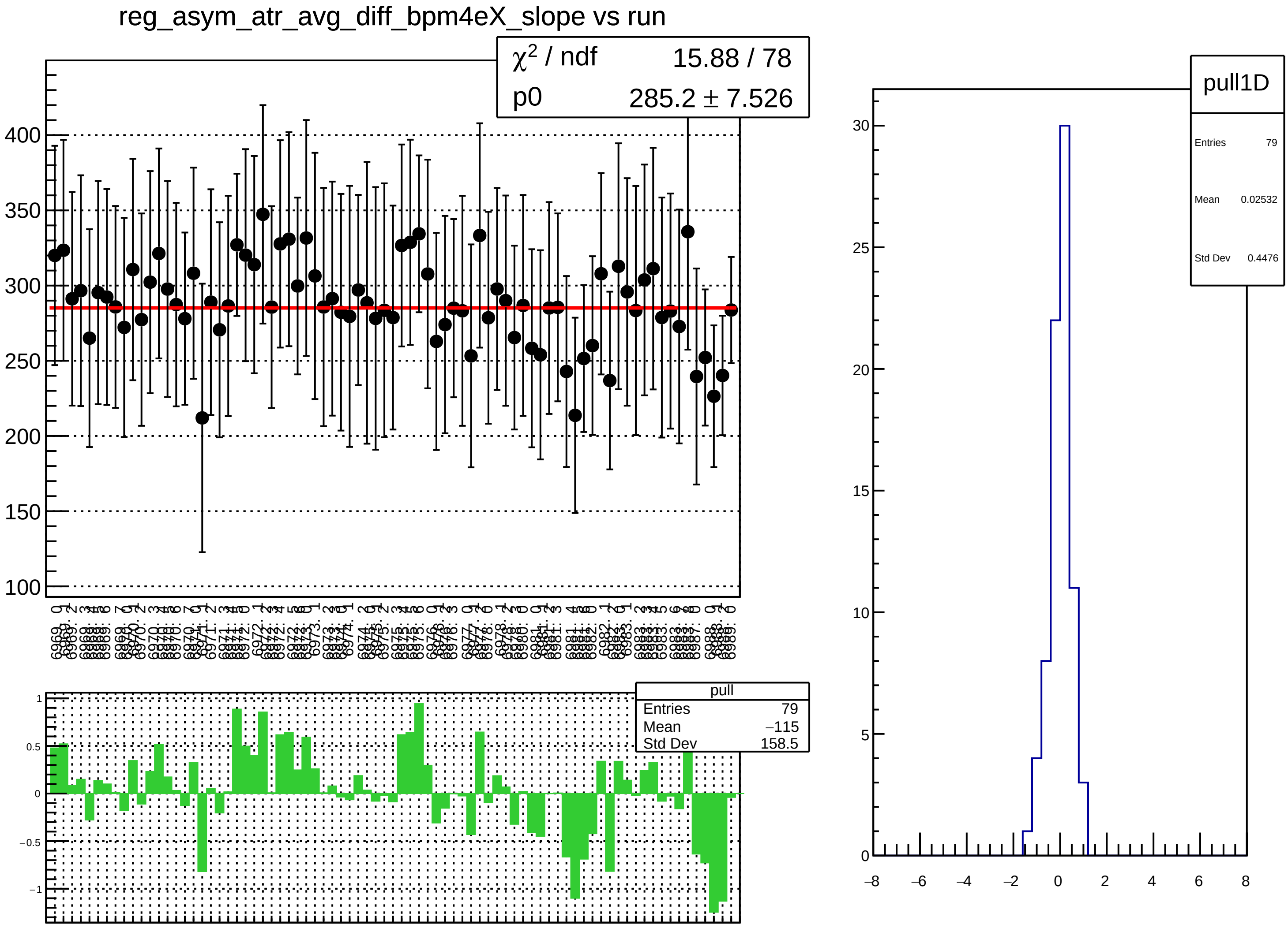
reg_asym_atl_dd_diff_bpm12X_slope vs run
χ2 / ndf 44.03 / 78
p0 137.5 ± 0.2532
pull
Entries 79
Mean −607.8
Std Dev 651.1
pull1D
Entries 79
Mean 0.01951
Std Dev 0.7463



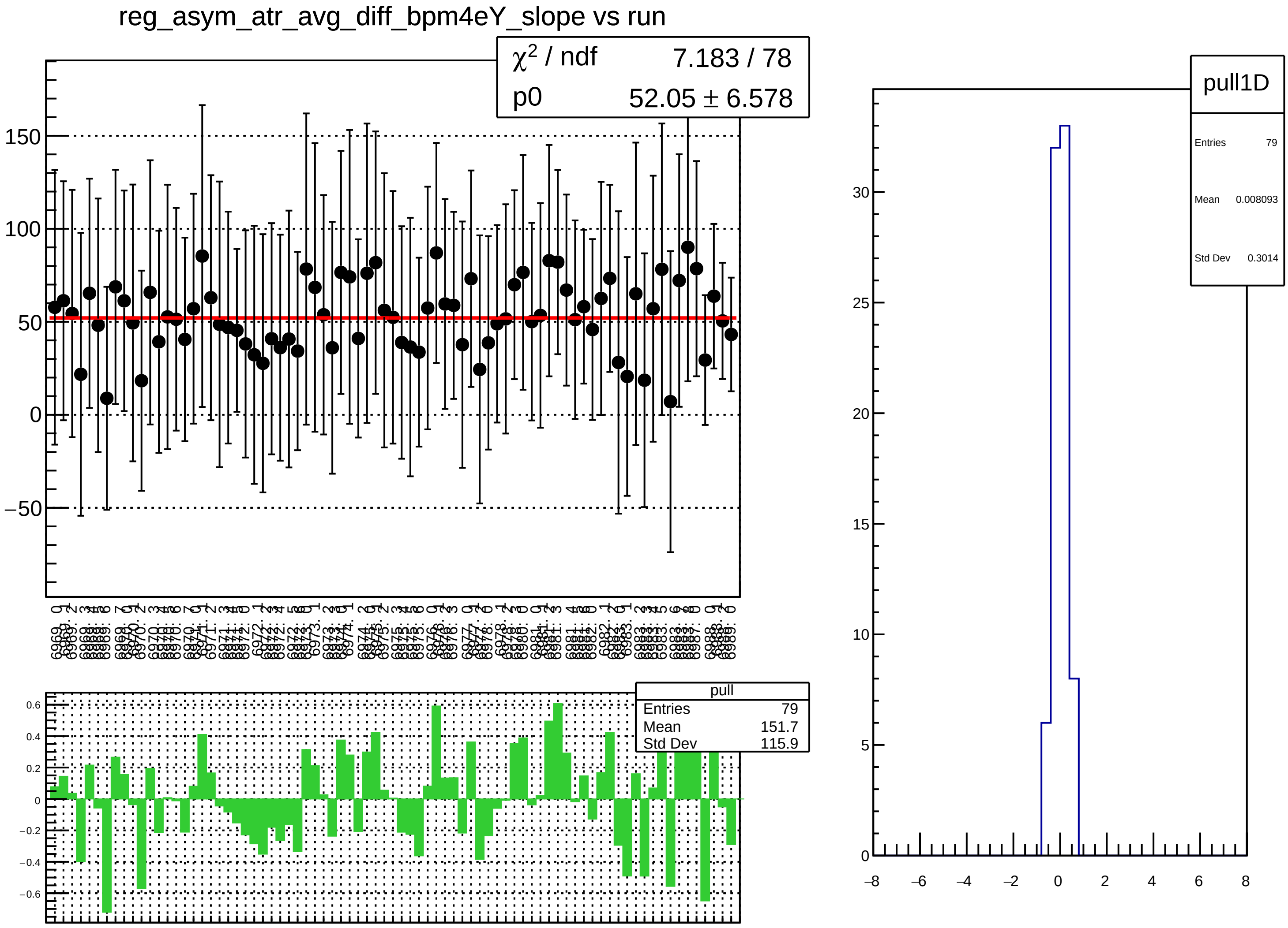
reg_asym_atr_avg_diff_bpm1X_slope vs run
χ2 / ndf 15.09 / 78
p0 −279.7 ± 8.19
pull
Entries 79
Mean −146.2
Std Dev 189.7
pull1D
Entries 79
Mean −0.01807
Std Dev 0.4367

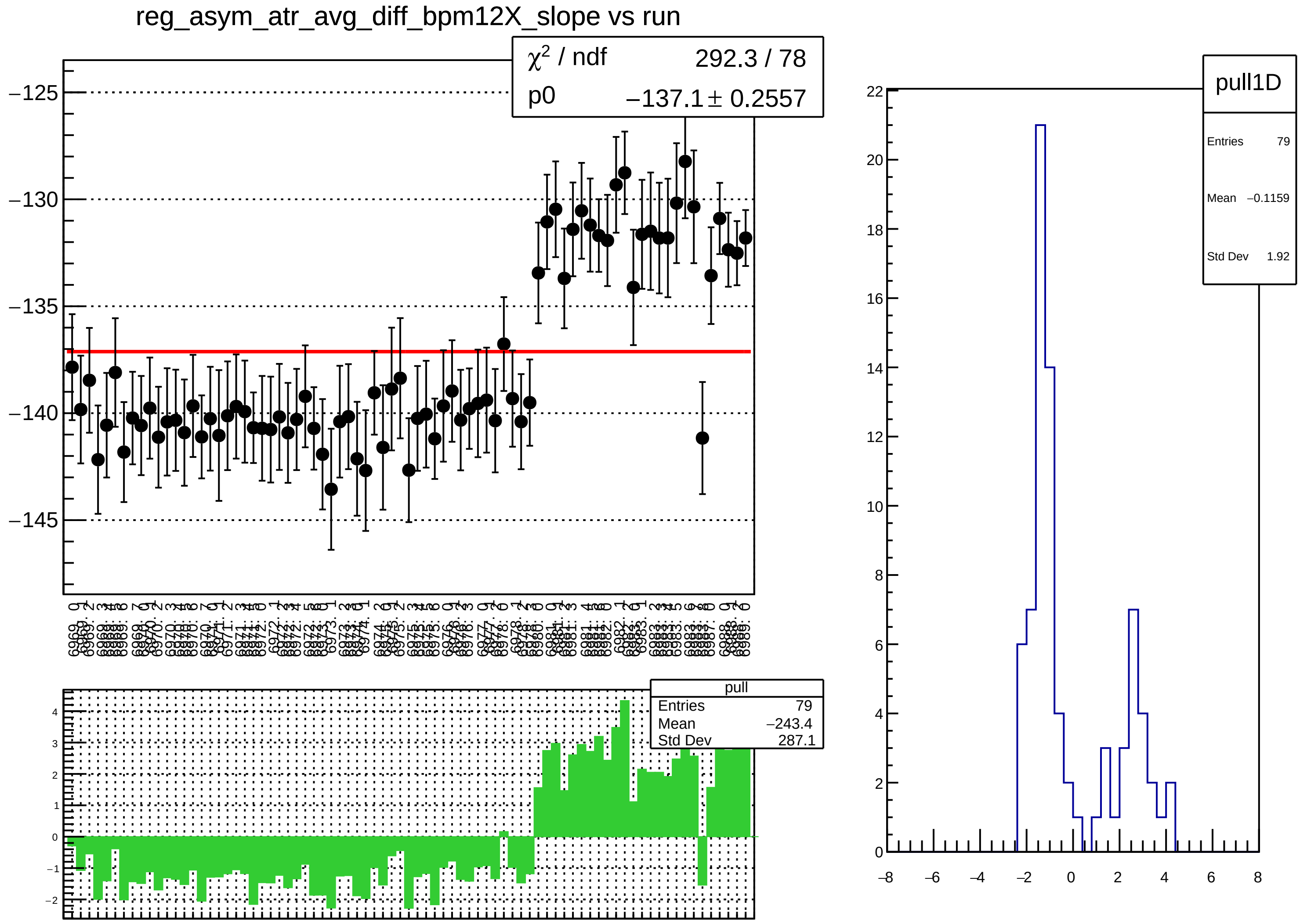


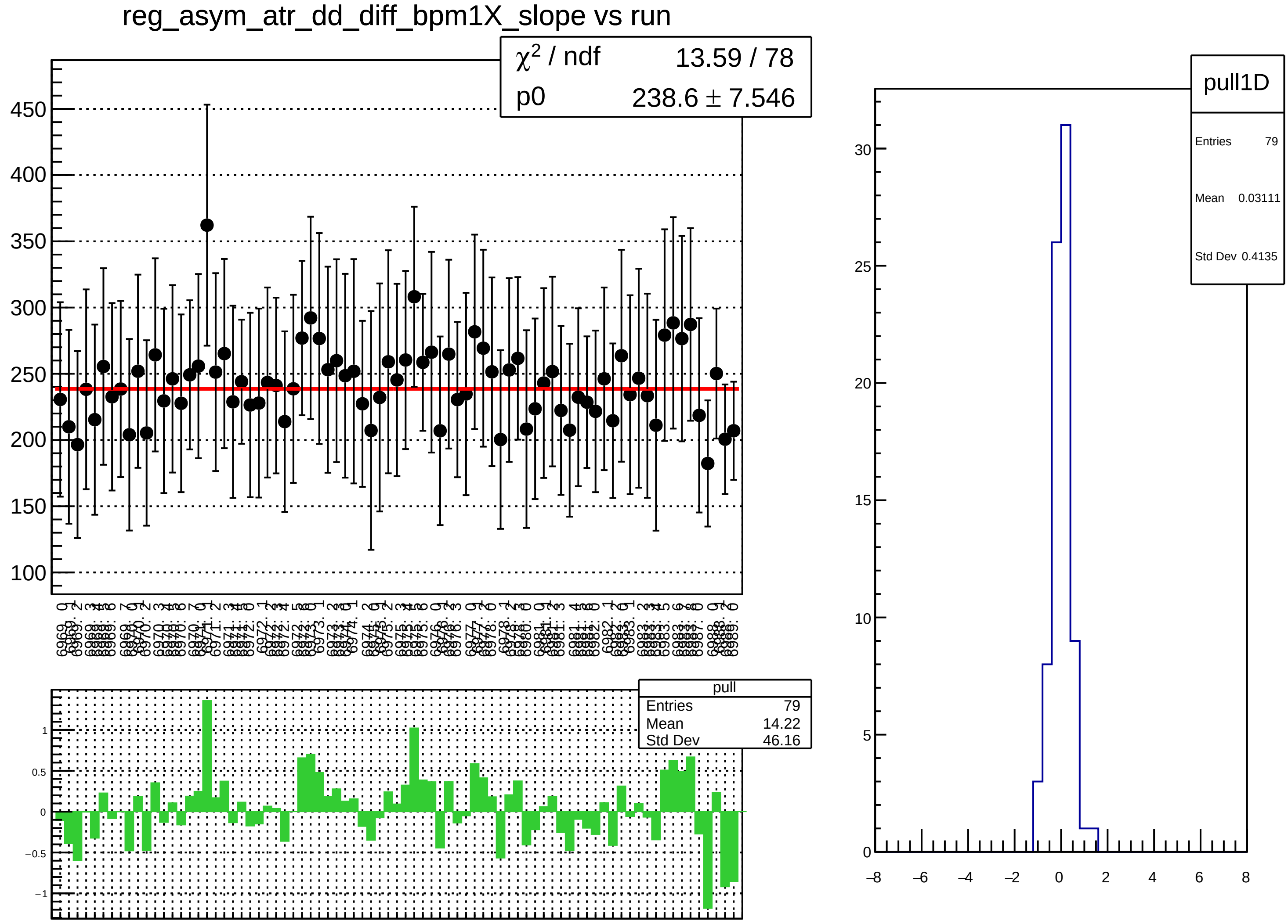
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.868 / 78
p0 9.137 ± 5.736
pull
Entries 79
Mean 362.6
Std Dev 322.7
pull1D
Entries 79
Mean −0.003608
Std Dev 0.2948

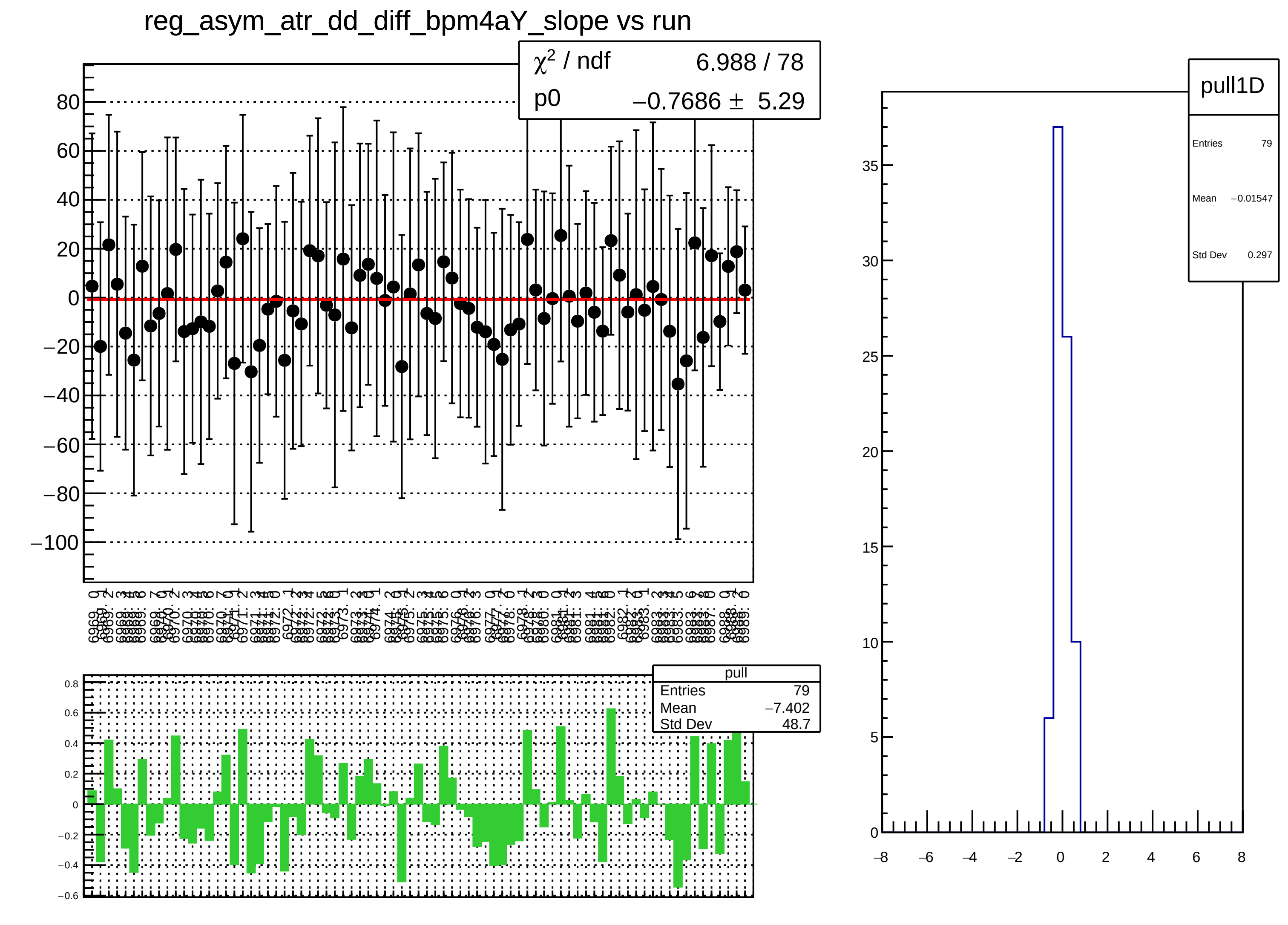


reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ2 / ndf 15.88 / 78
p0 285.2 ± 7.526
pull
Entries 79
Mean −115
Std Dev 158.5
pull1D
Entries 79
Mean 0.02532
Std Dev 0.4476

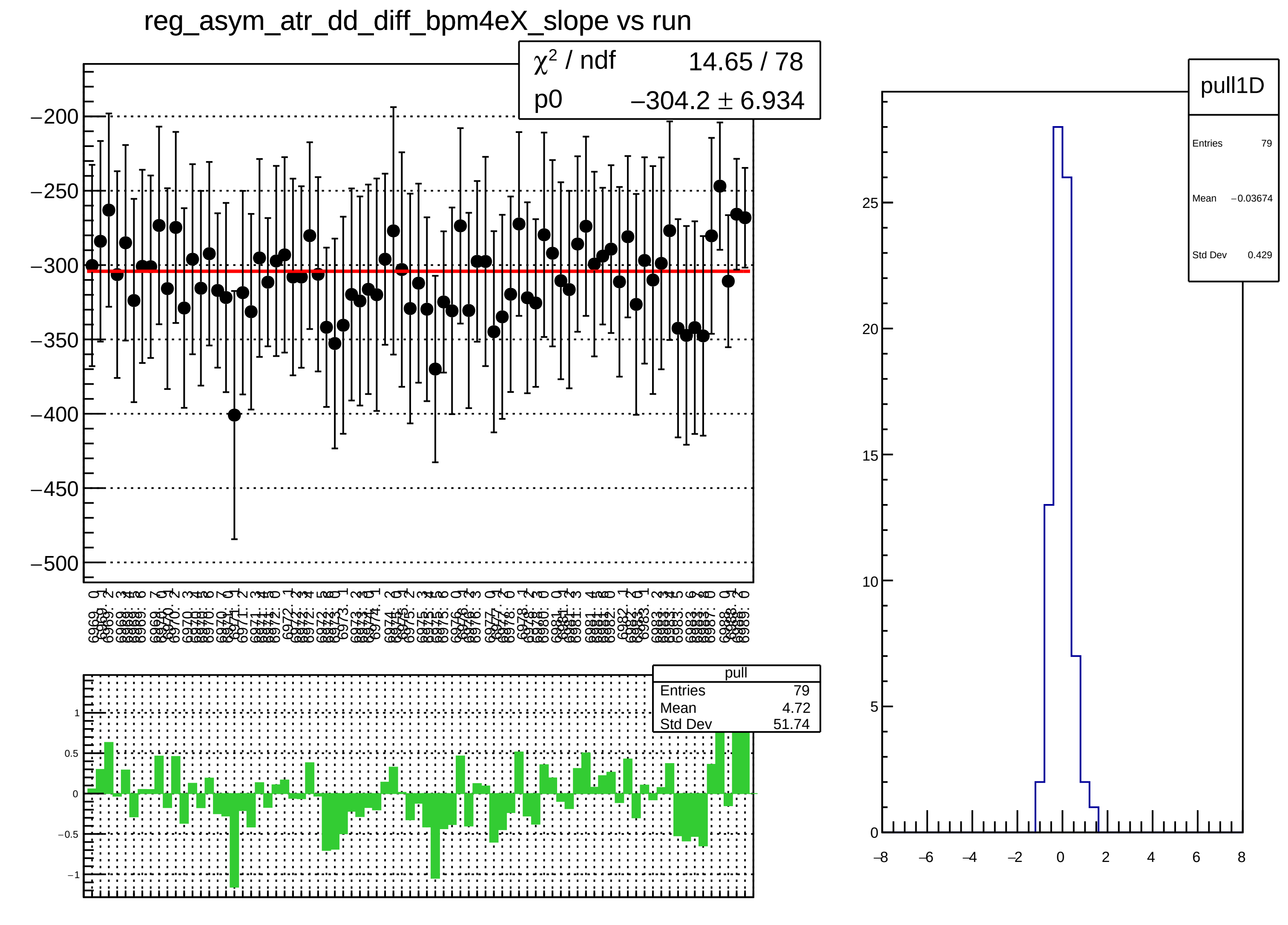

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.183 / 78
p0 52.05 ± 6.578
pull
Entries 79
Mean 151.7
Std Dev 115.9
pull1D
Entries 79
Mean 0.008093
Std Dev 0.3014


reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 292.3 / 78
p0 −137.1 ± 0.2557
−125
−130
−135
−140
−145
pull
Entries 79
Mean −243.4
Std Dev 287.1
pull1D
Entries 79
Mean −0.1159
Std Dev 1.92

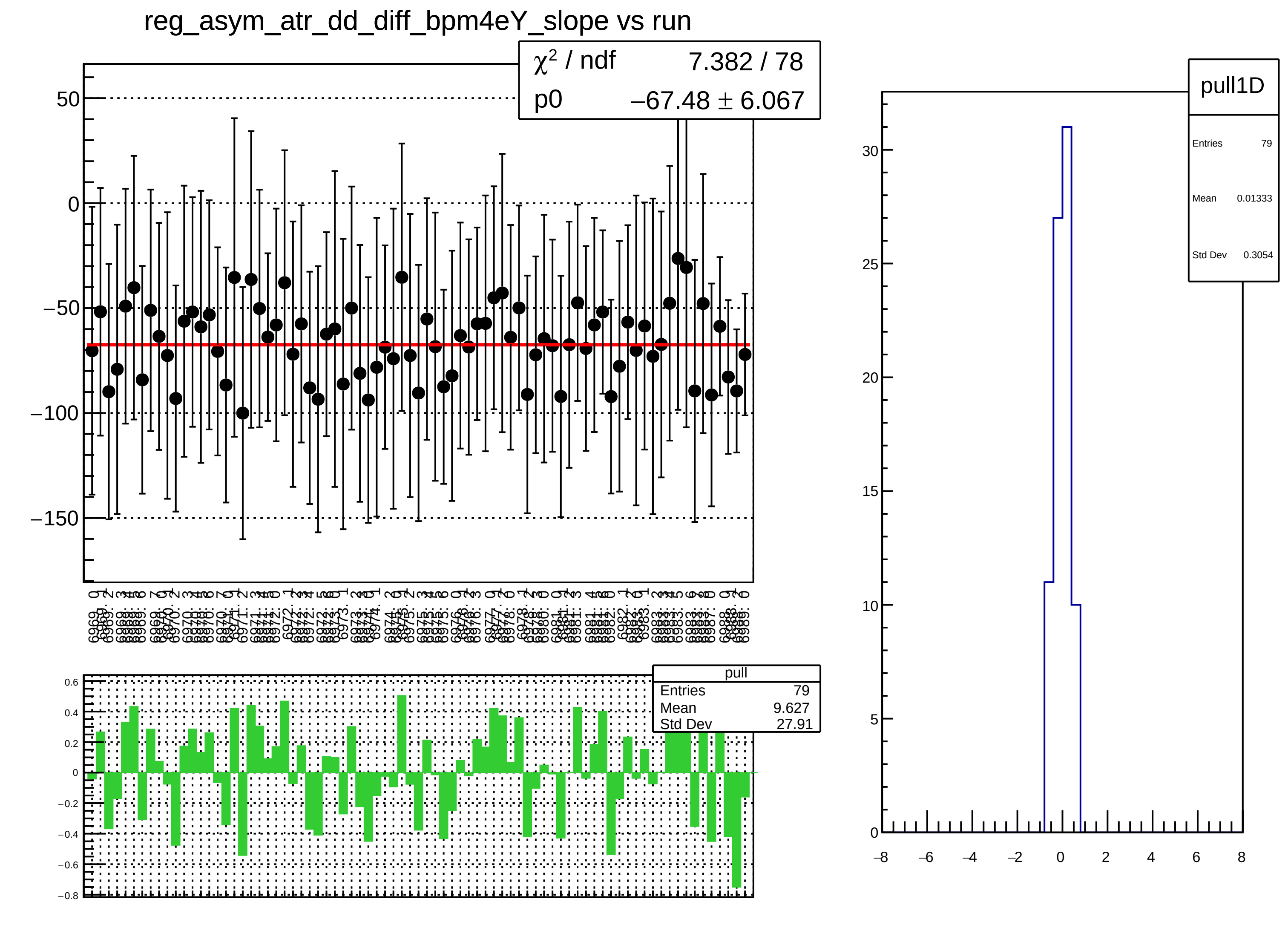

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ2 / ndf 13.59 / 78
p0 238.6 ± 7.546
pull
Entries 79
Mean 14.22
Std Dev 46.16
pull1D
Entries 79
Mean 0.03111
Std Dev 0.4135



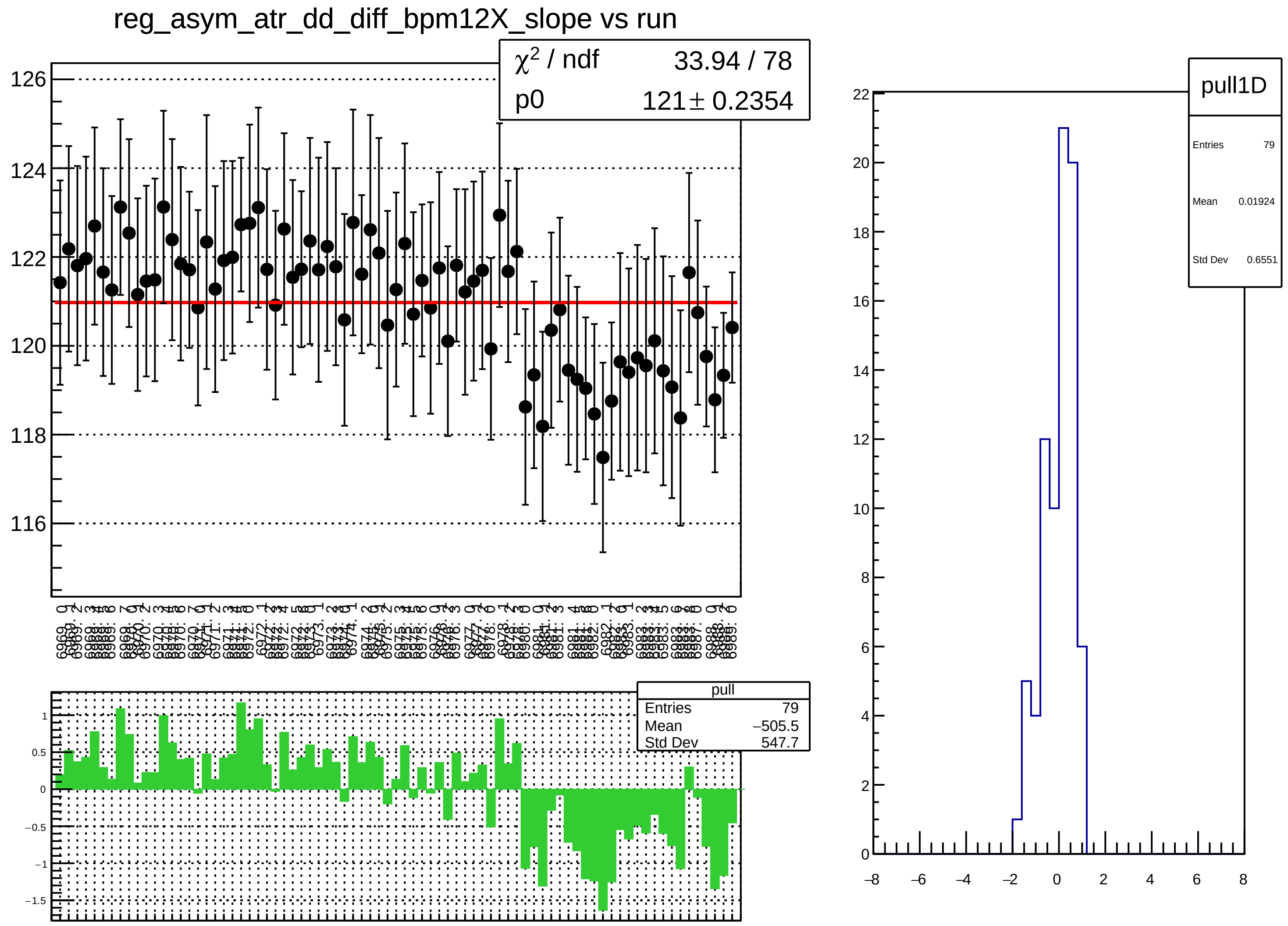
reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.988 / 78
p0 −0.7686 ± 5.29
pull
Entries 79
Mean −7.402
Std Dev 48.7
pull1D
Entries 79
Mean −0.01547
Std Dev 0.297



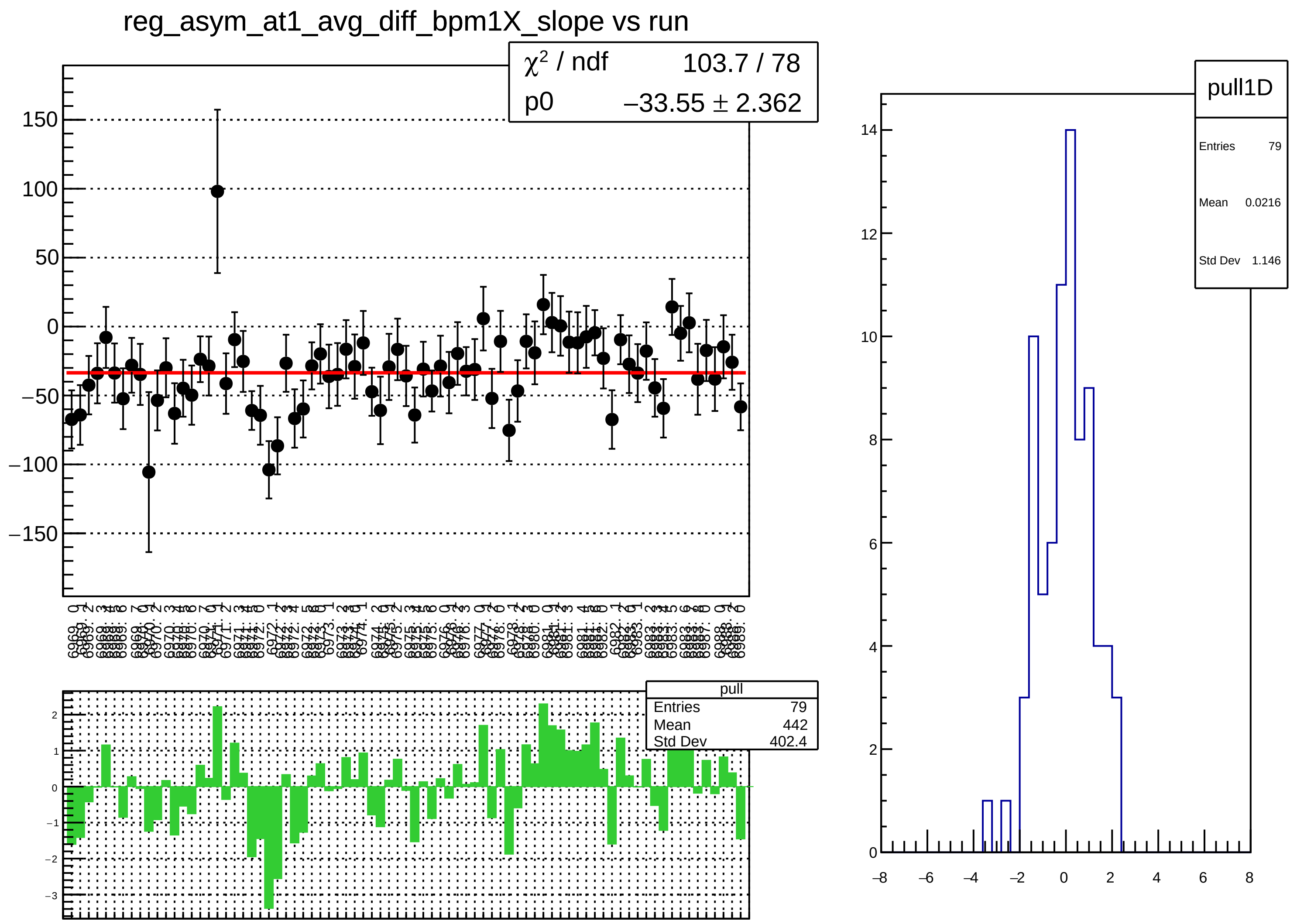
reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ2 / ndf 14.65 / 78
p0 −304.2 ± 6.934
pull
Entries 79
Mean 4.72
Std Dev 51.74
pull1D
Entries 79
Mean −0.03674
Std Dev 0.429



reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.382 / 78
p0 −67.48 ± 6.067
pull
Entries 79
Mean 9.627
Std Dev 27.91
pull1D
Entries 79
Mean 0.01333
Std Dev 0.3054

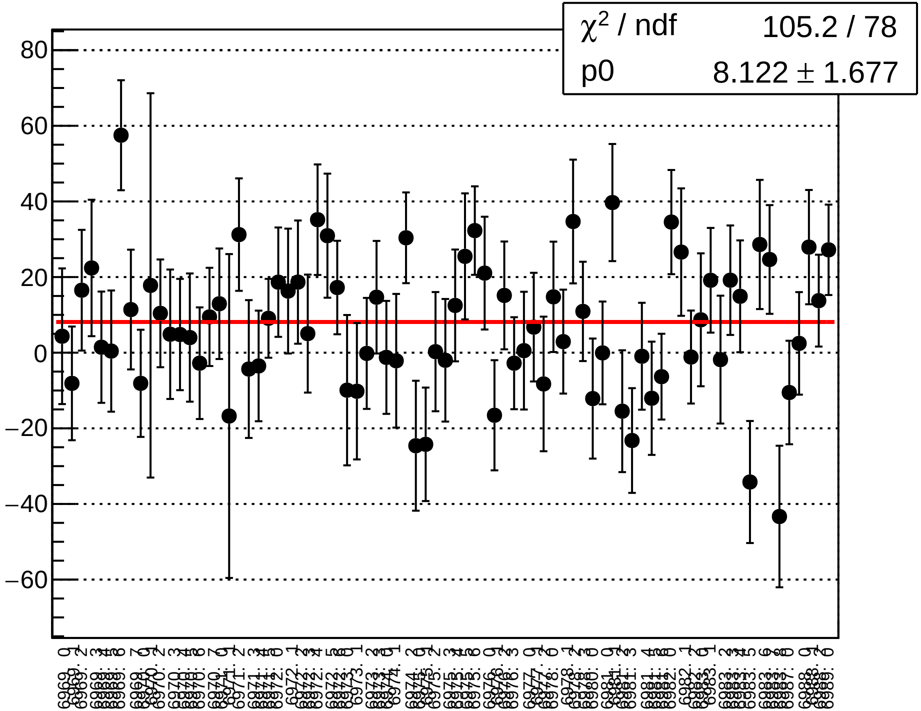


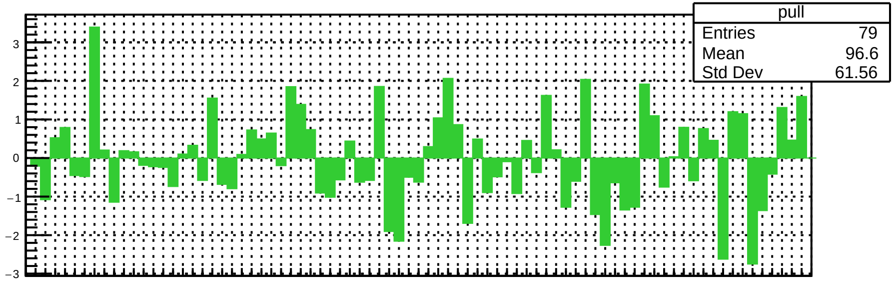
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ2 / ndf 33.94 / 78
p0 121 ± 0.2354
pull
Entries 79
Mean −505.5
Std Dev 547.7
pull1D
Entries 79
Mean 0.01924
Std Dev 0.6551

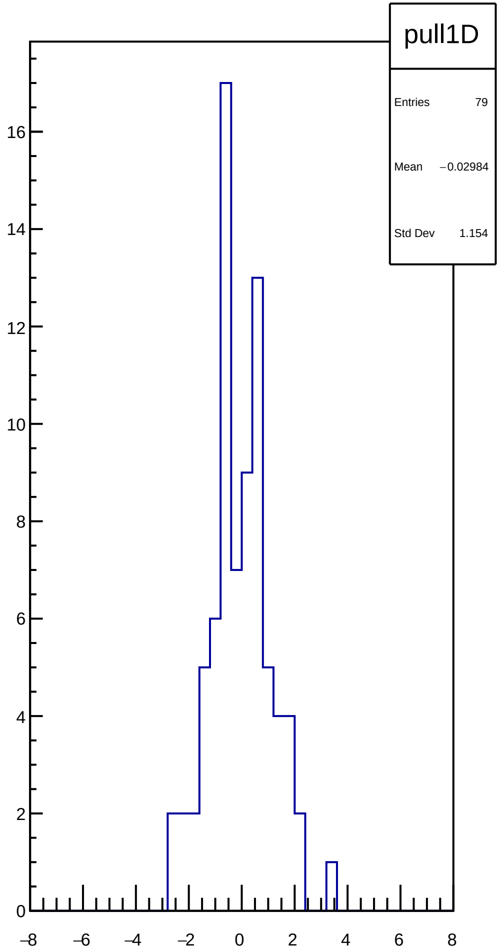


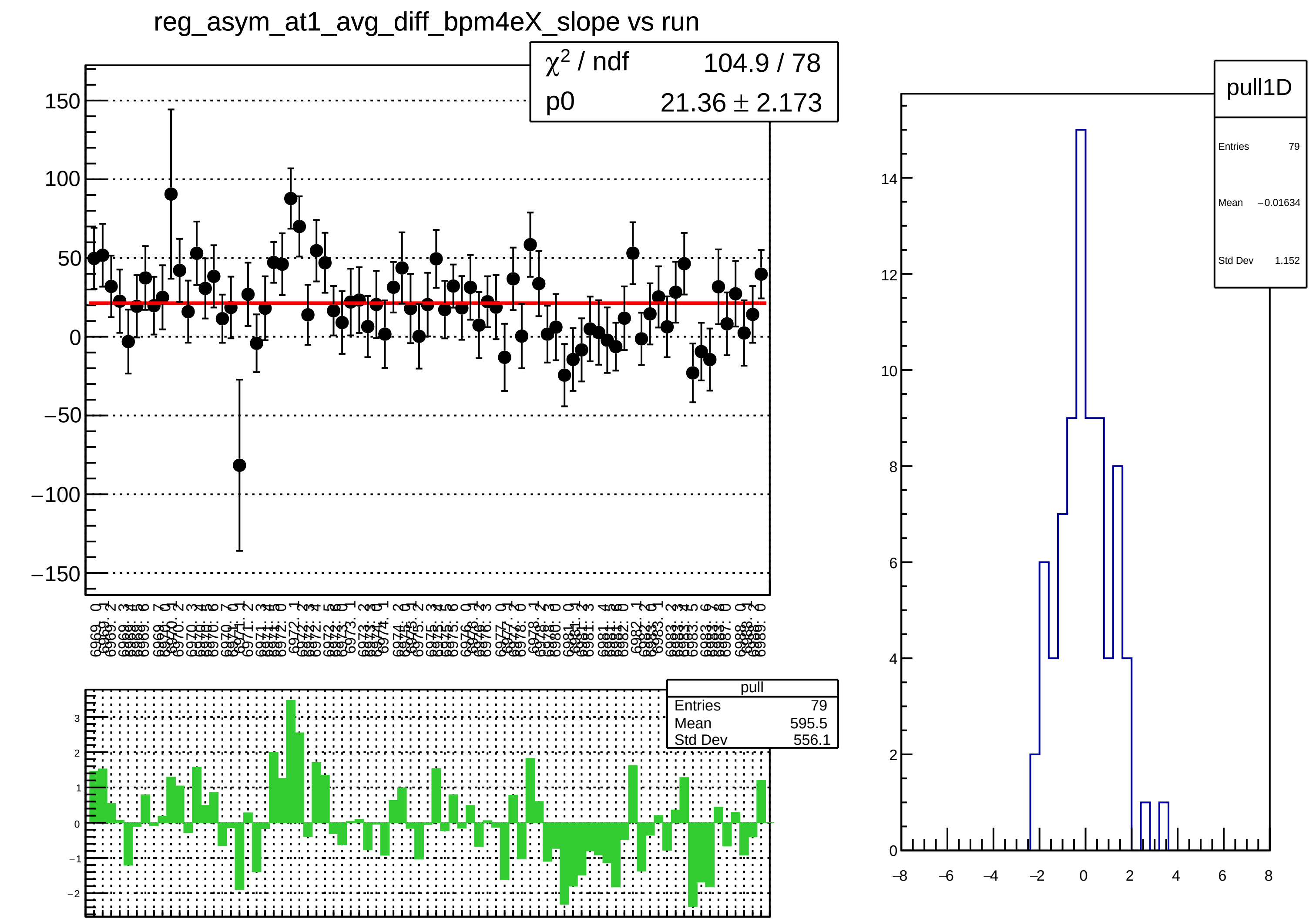
reg_asym_at1_avg_diff_bpm1X_slope vs run
χ2 / ndf 103.7 / 78
p0 −33.55 ± 2.362
pull
Entries 79
Mean 442
Std Dev 402.4
pull1D
Entries 79
Mean 0.0216
Std Dev 1.146

reg_asym_at1_avg_diff_bpm4aY_slope vs run

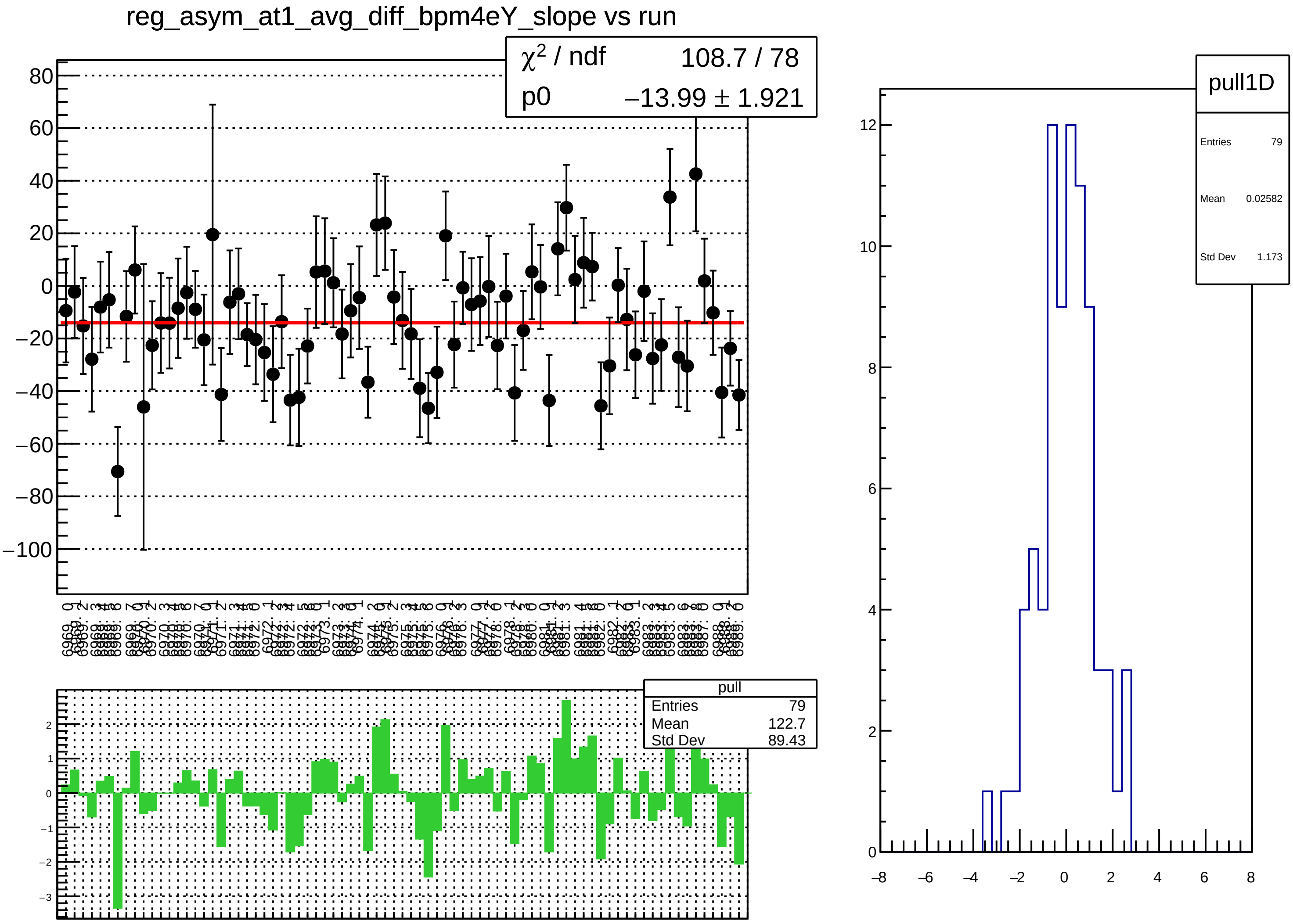






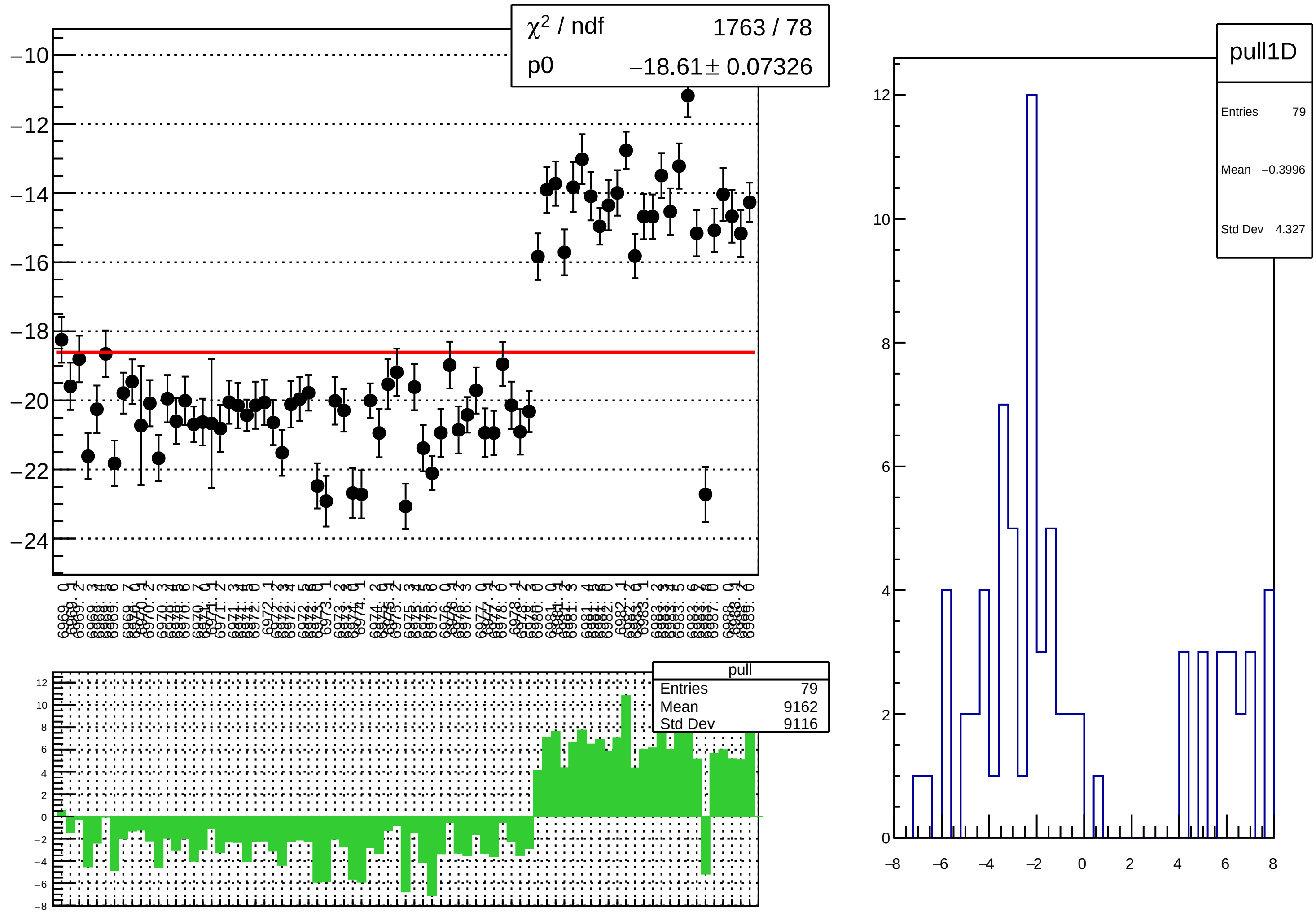


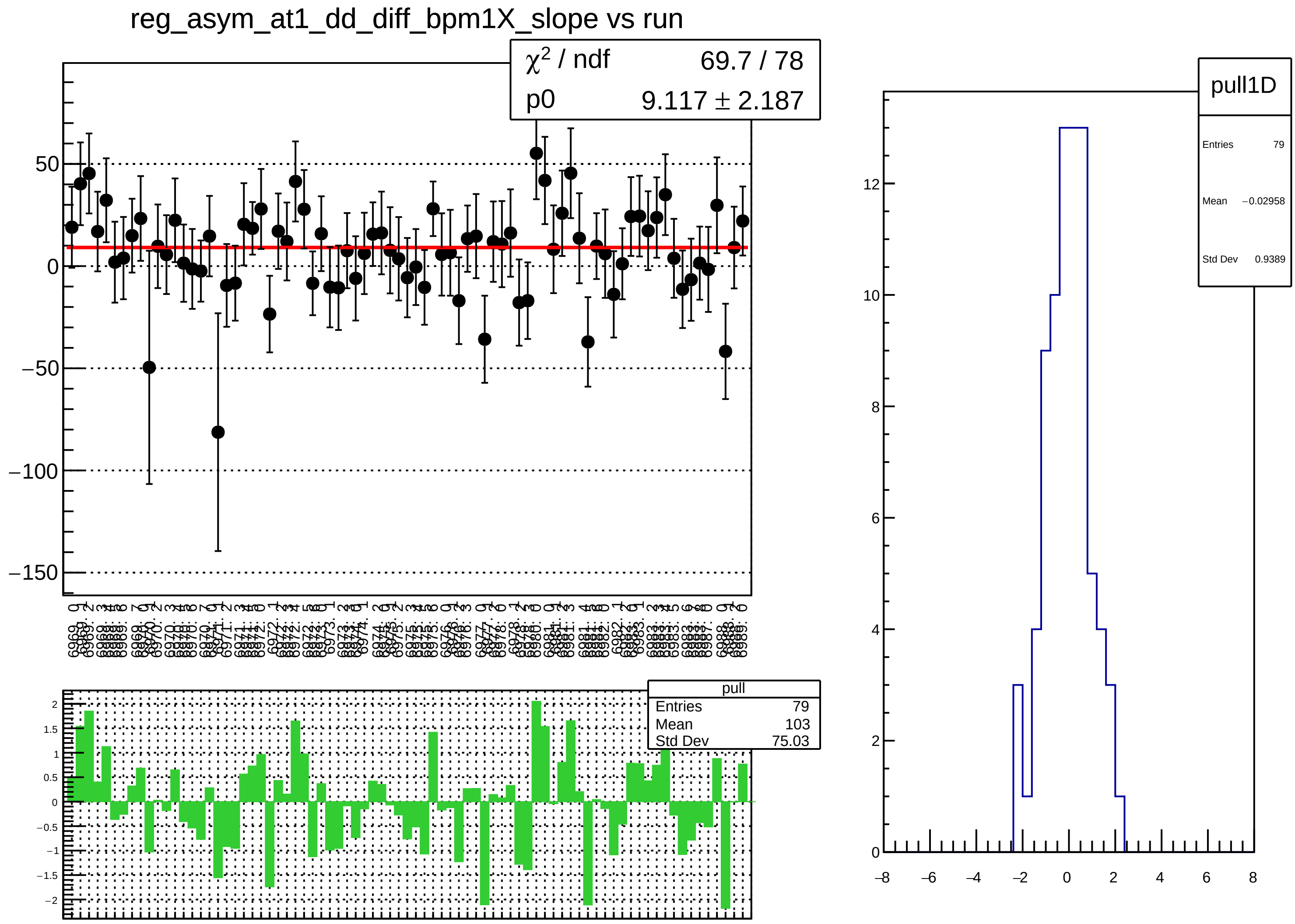
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 104.9 / 78
p0 21.36 ± 2.173
pull
Entries 79
Mean 595.5
Std Dev 556.1
pull1D
Entries 79
Mean −0.01634
Std Dev 1.152



reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 108.7 / 78
p0 −13.99 ± 1.921
pull
Entries 79
Mean 122.7
Std Dev 89.43
pull1D
Entries 79
Mean 0.02582
Std Dev 1.173

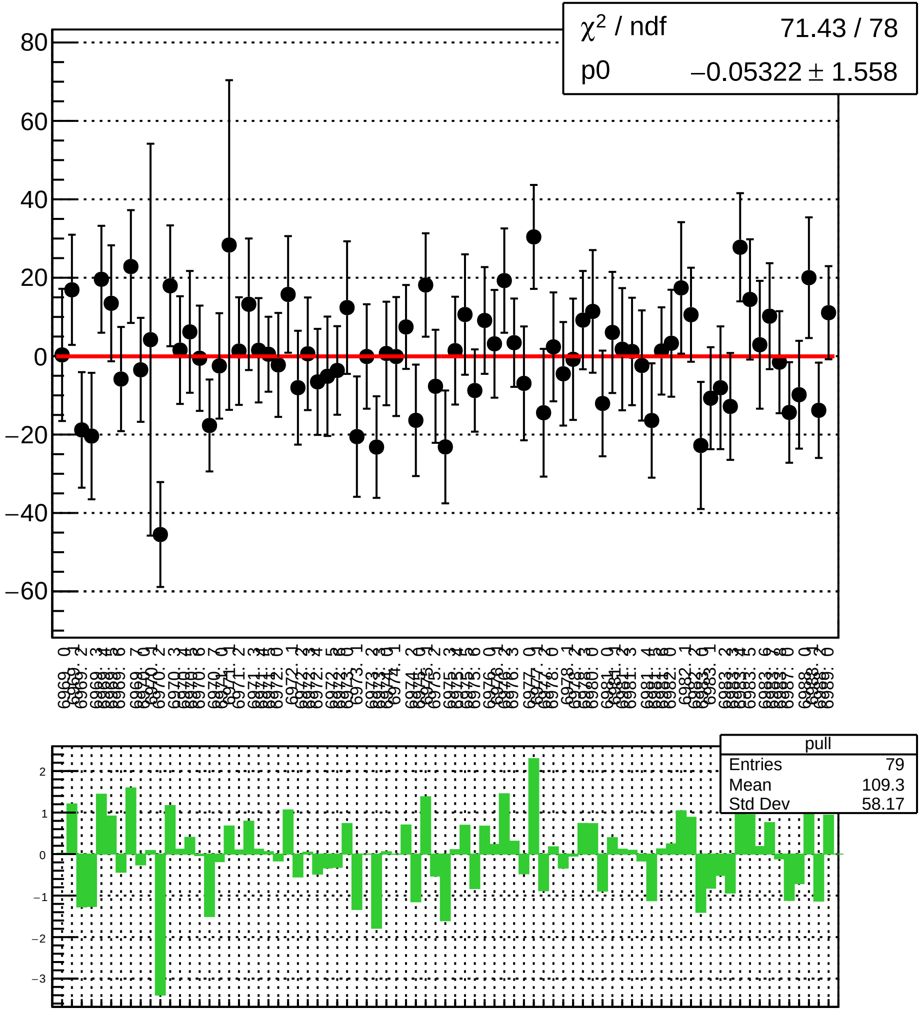
reg_asym_at1_avg_diff_bpm12X_slope vs run

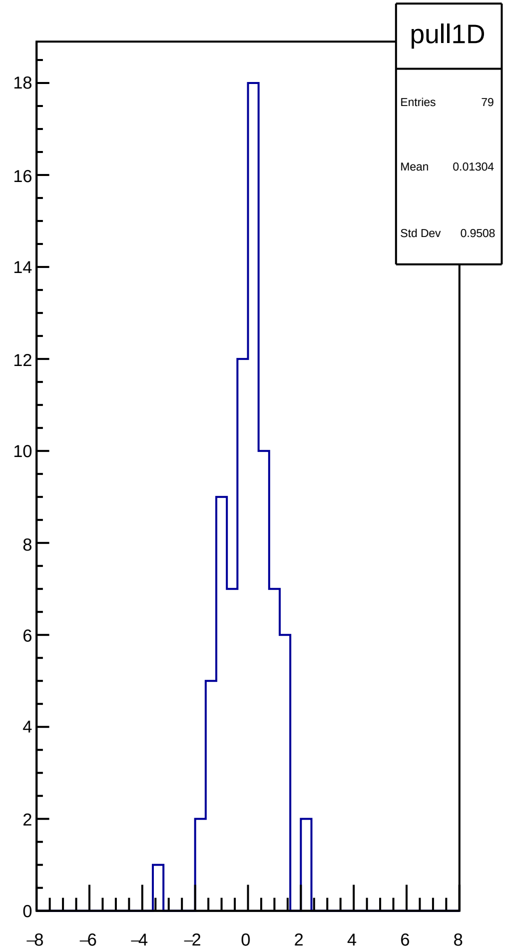


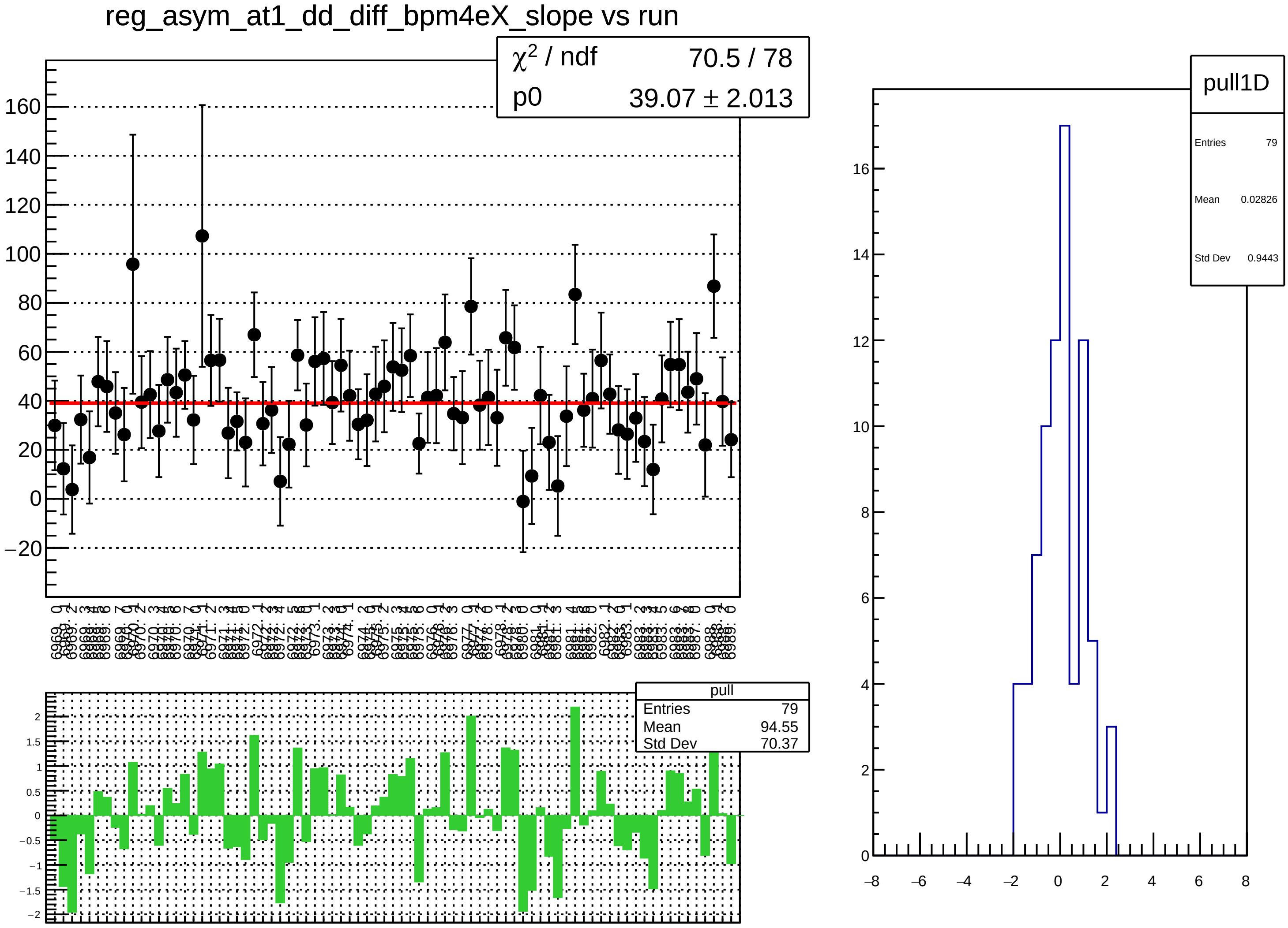


reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 69.7 / 78
p0 9.117 ± 2.187
pull
Entries 79
Mean 103
Std Dev 75.03
pull1D
Entries 79
Mean −0.02958
Std Dev 0.9389

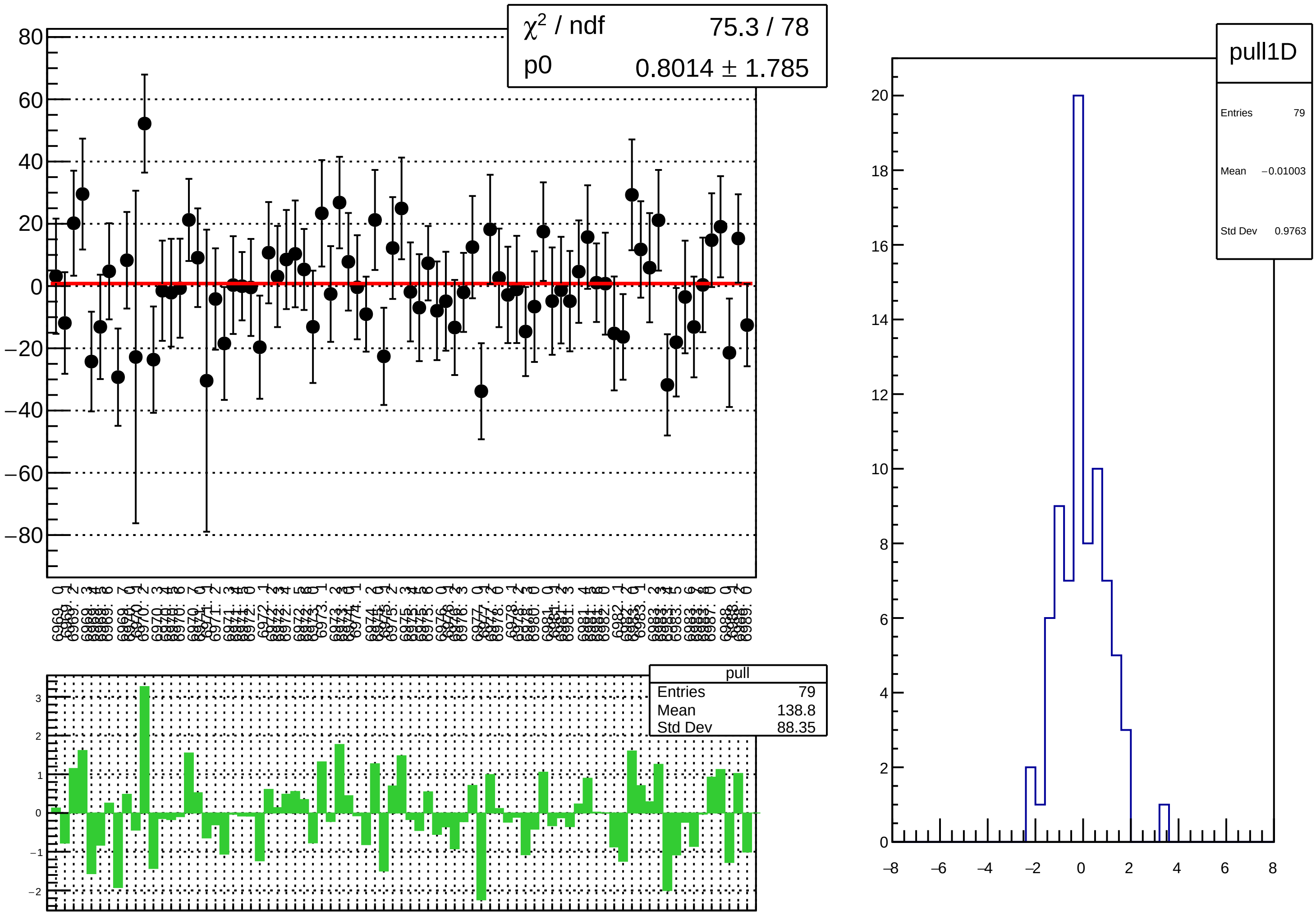
reg_asym_at1_dd_diff_bpm4aY_slope vs run

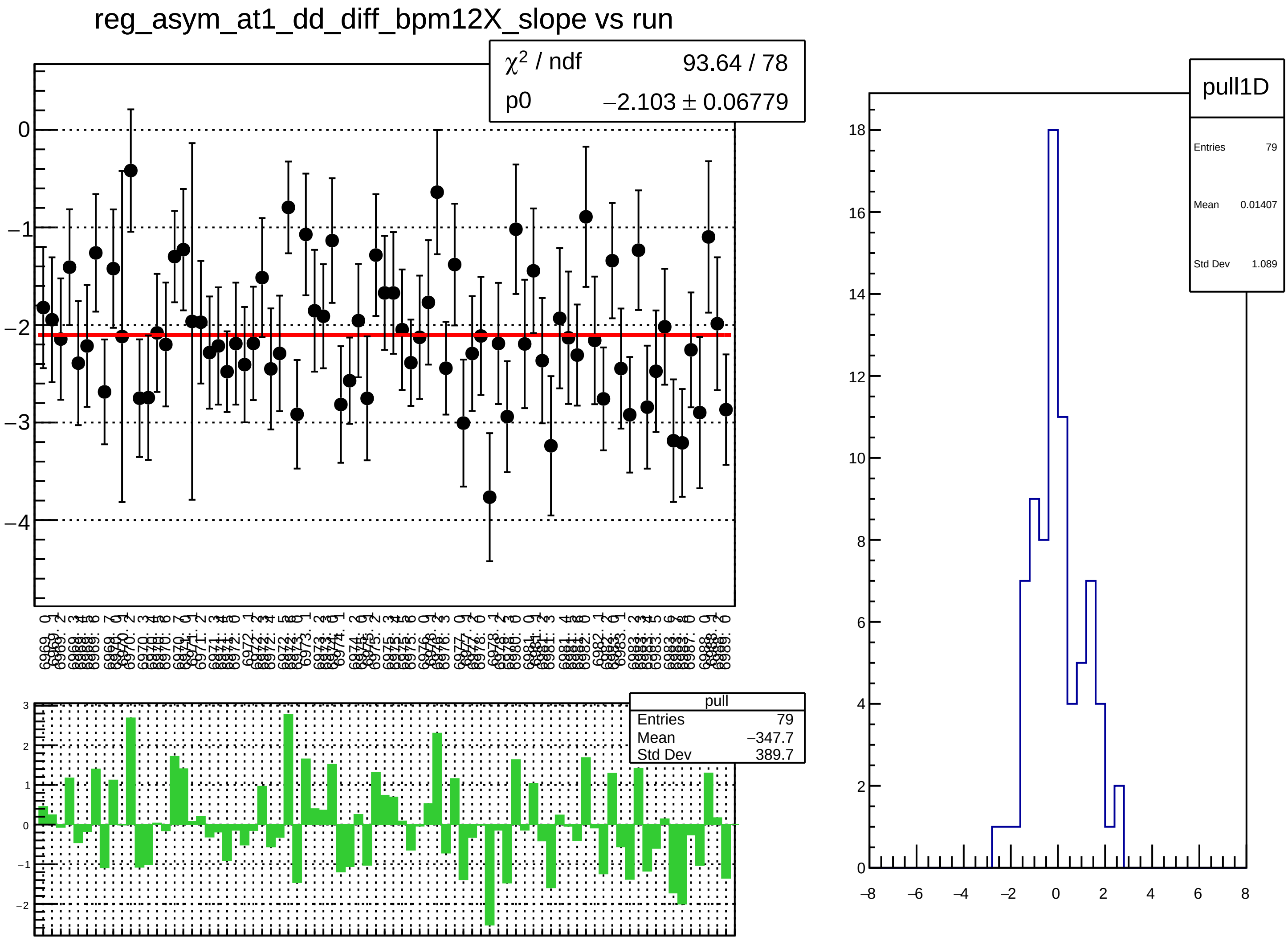




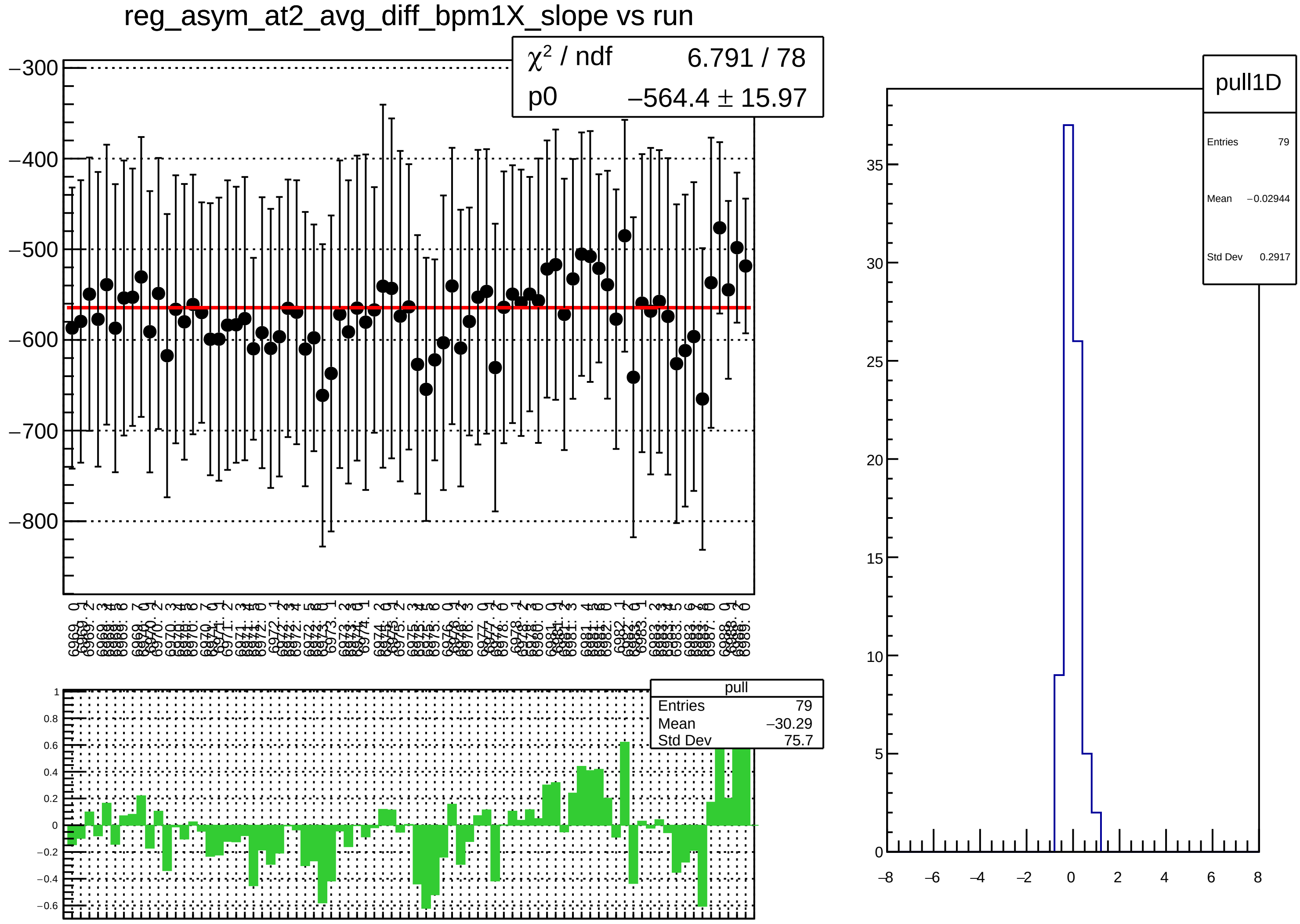

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ2 / ndf 70.5 / 78
p0 39.07 ± 2.013
pull
Entries 79
Mean 94.55
Std Dev 70.37
pull1D
Entries 79
Mean 0.02826
Std Dev 0.9443

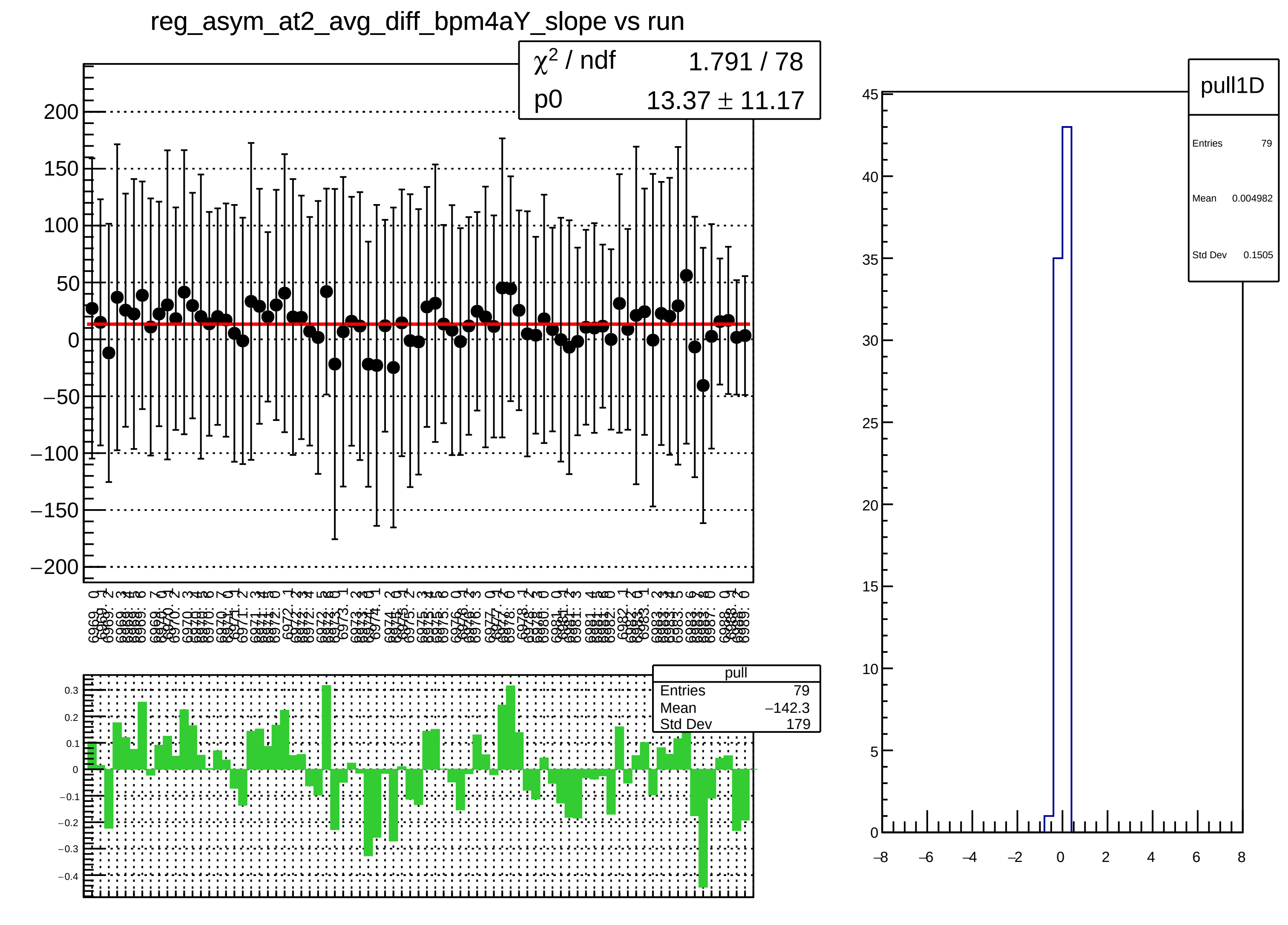
reg_asym_at1_dd_diff_bpm4eY_slope vs run



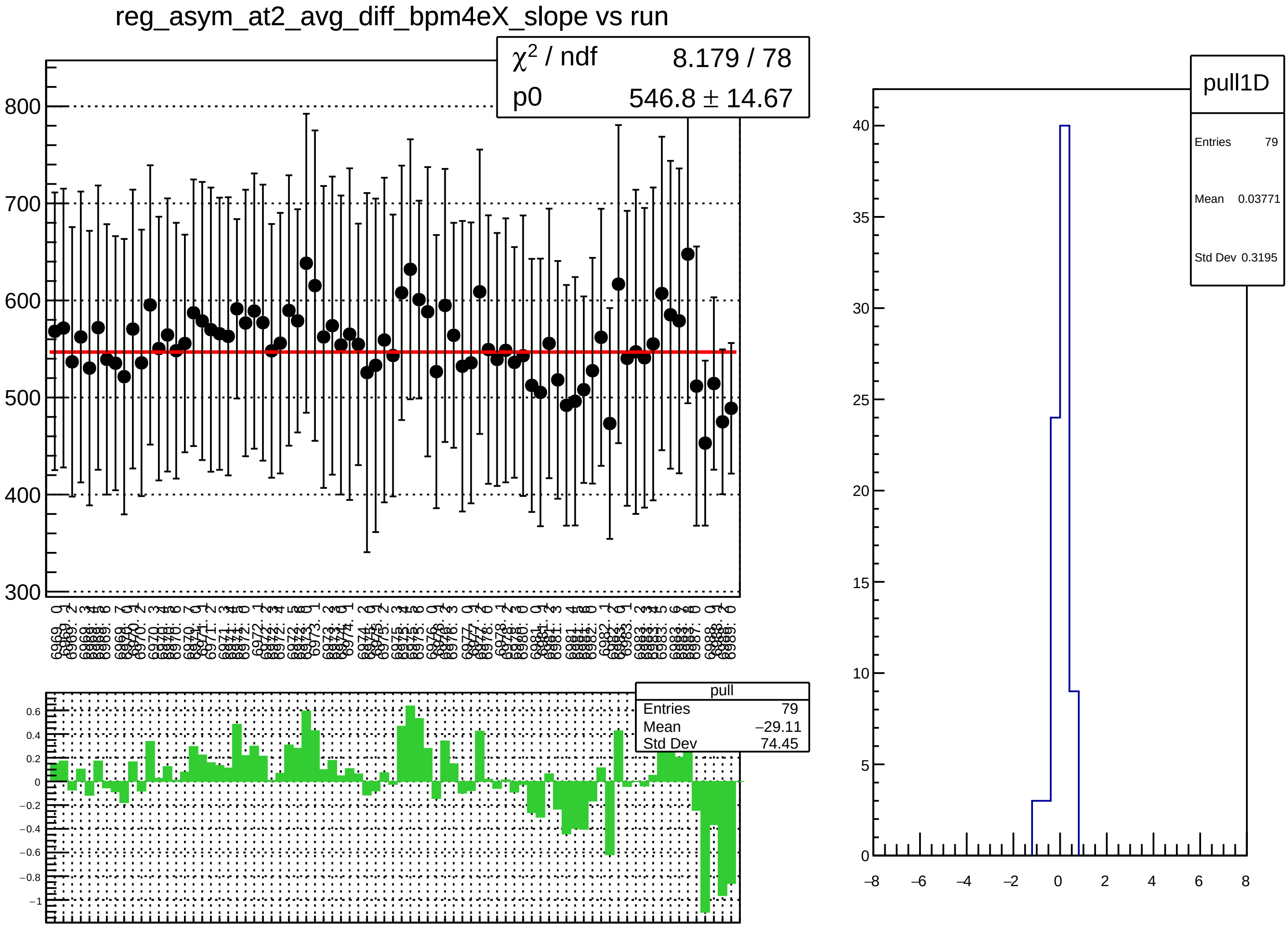


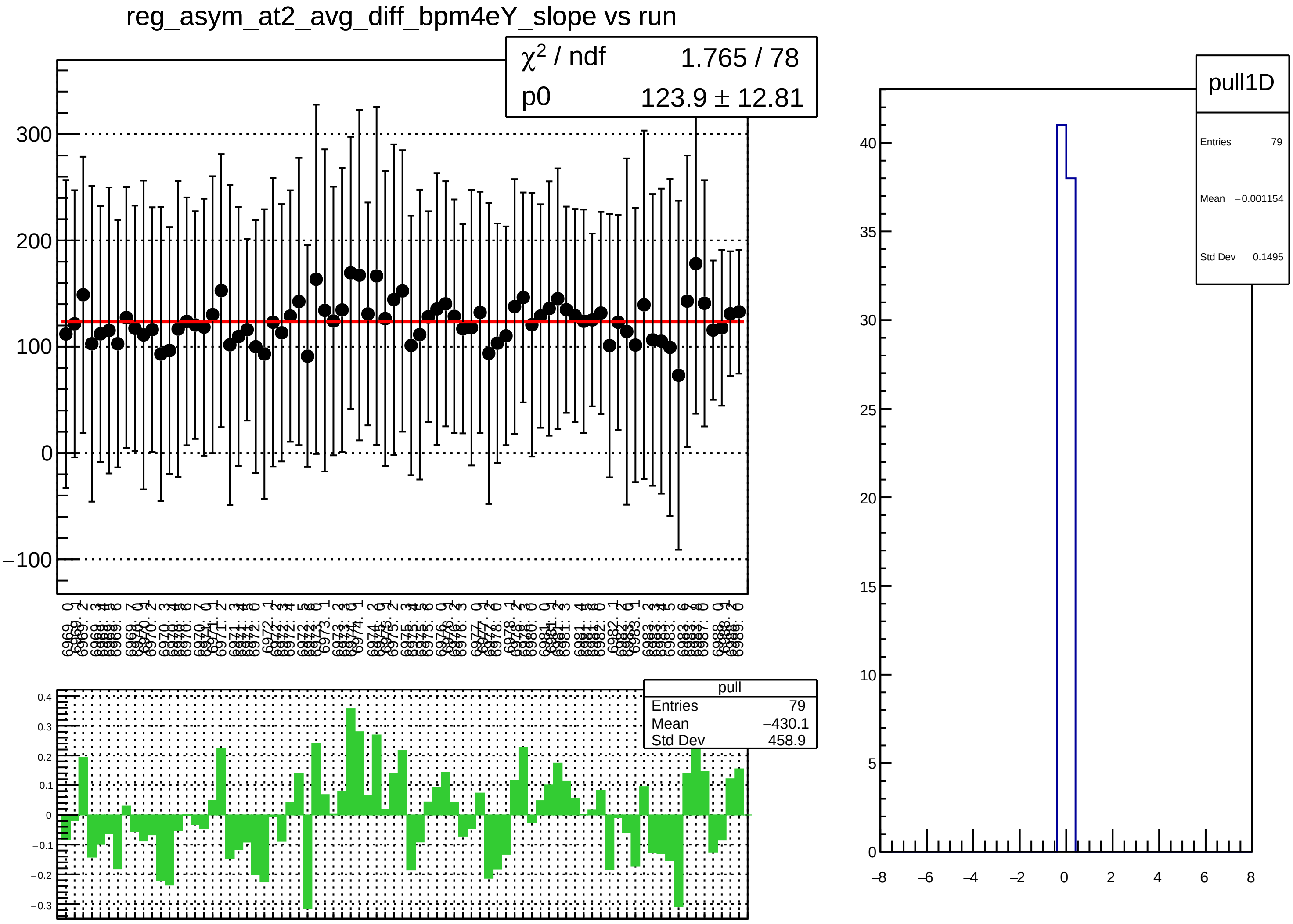
reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 93.64 / 78
p0 −2.103 ± 0.06779
pull
Entries 79
Mean −347.7
Std Dev 389.7
pull1D
Entries 79
Mean 0.01407
Std Dev 1.089


reg_asym_at2_avg_diff_bpm1X_slope vs run
χ2 / ndf 6.791 / 78
p0 −564.4 ± 15.97
pull
Entries 79
Mean −30.29
Std Dev 75.7
pull1D
Entries 79
Mean −0.02944
Std Dev 0.2917

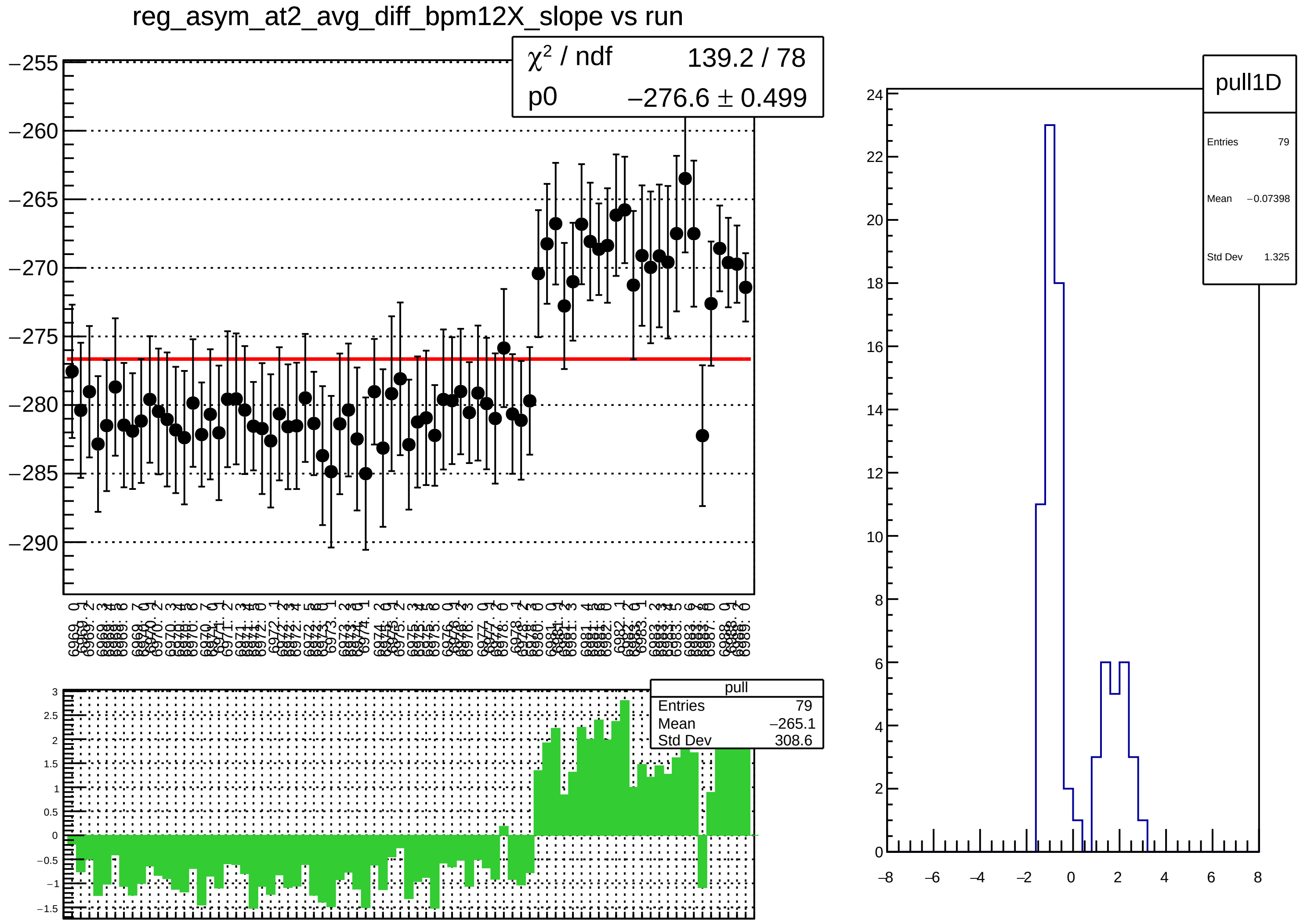


reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 1.791 / 78
p0 13.37 ± 11.17
pull
Entries 79
Mean −142.3
Std Dev 179
pull1D
Entries 79
Mean 0.004982
Std Dev 0.1505

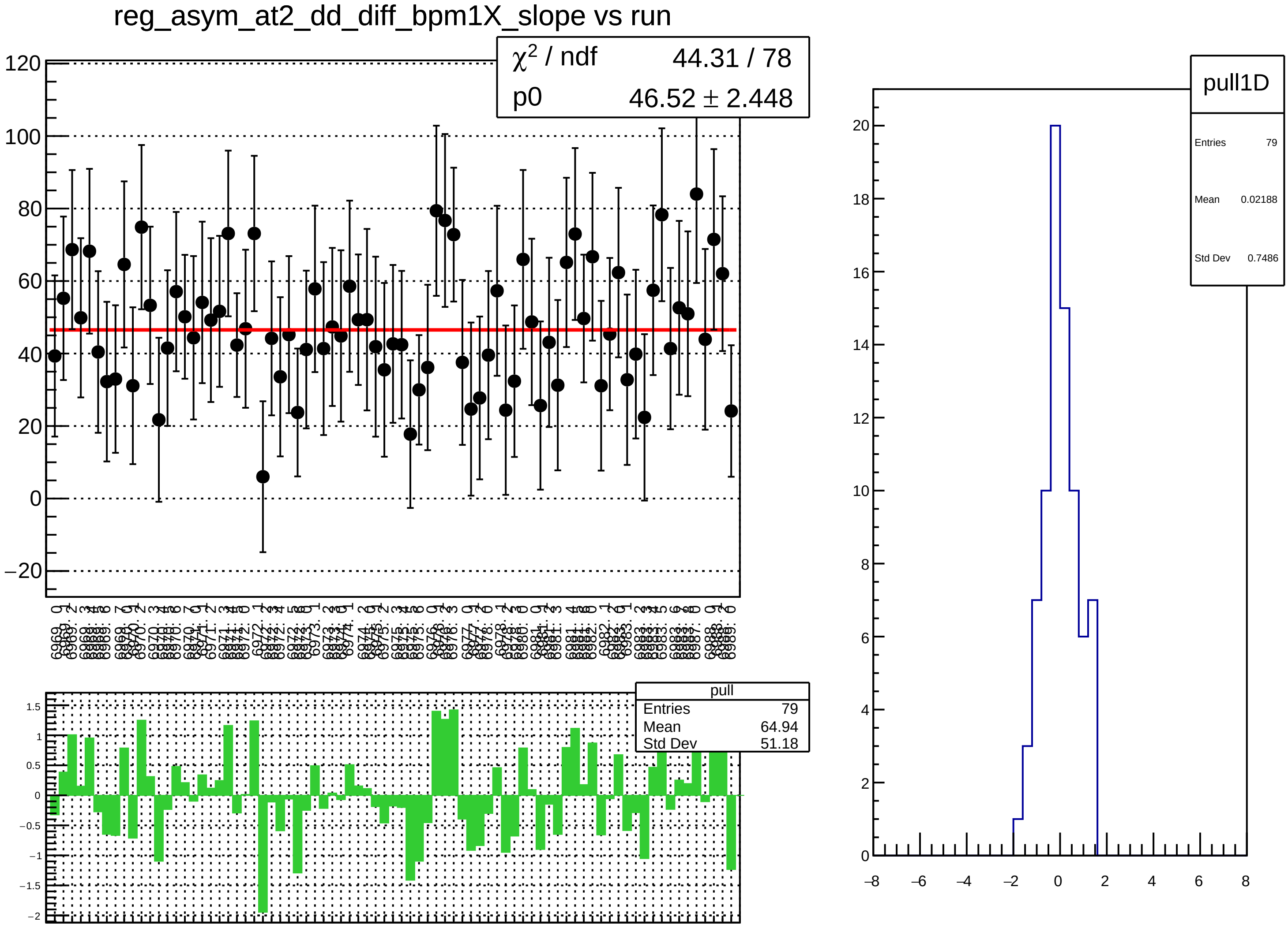

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.179 / 78
p0 546.8 ± 14.67
pull
Entries 79
Mean −29.11
Std Dev 74.45
pull1D
Entries 79
Mean 0.03771
Std Dev 0.3195



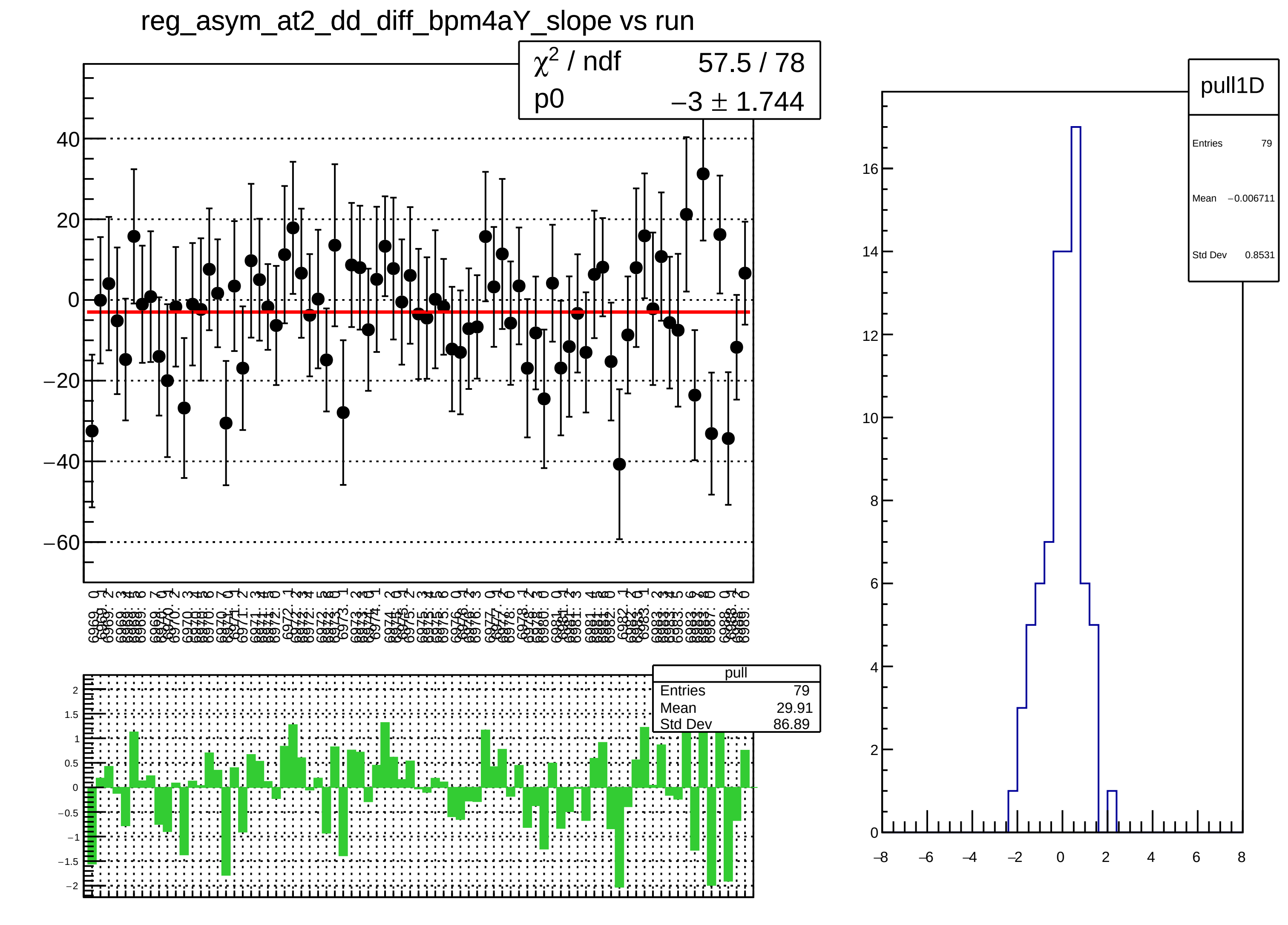
reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1.765 / 78
p0 123.9 ± 12.81
pull
Entries 79
Mean −430.1
Std Dev 458.9
pull1D
Entries 79
Mean −0.001154
Std Dev 0.1495



reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 139.2 / 78
p0 −276.6 ± 0.499
pull
Entries 79
Mean −265.1
Std Dev 308.6
pull1D
Entries 79
Mean −0.07398
Std Dev 1.325

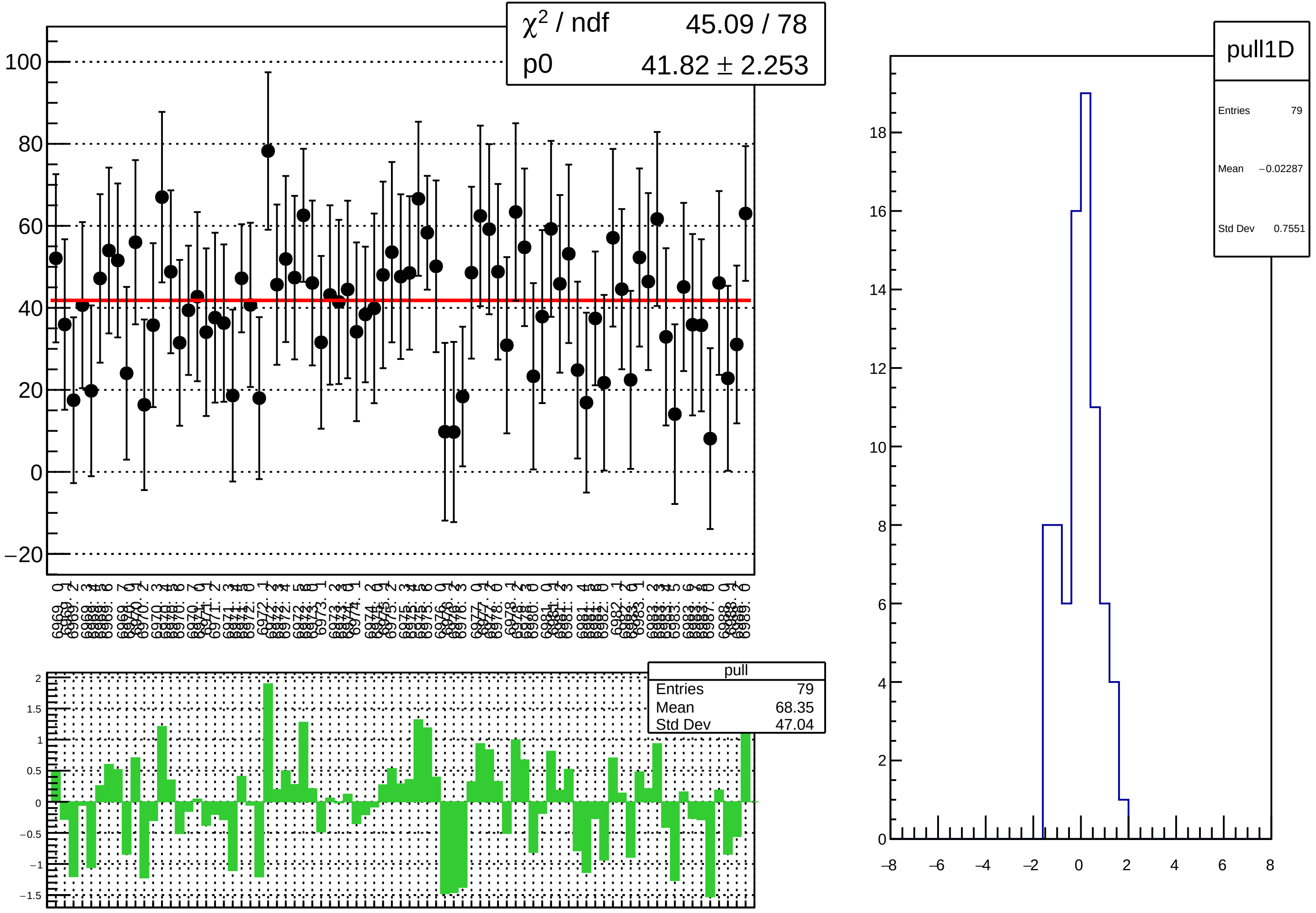


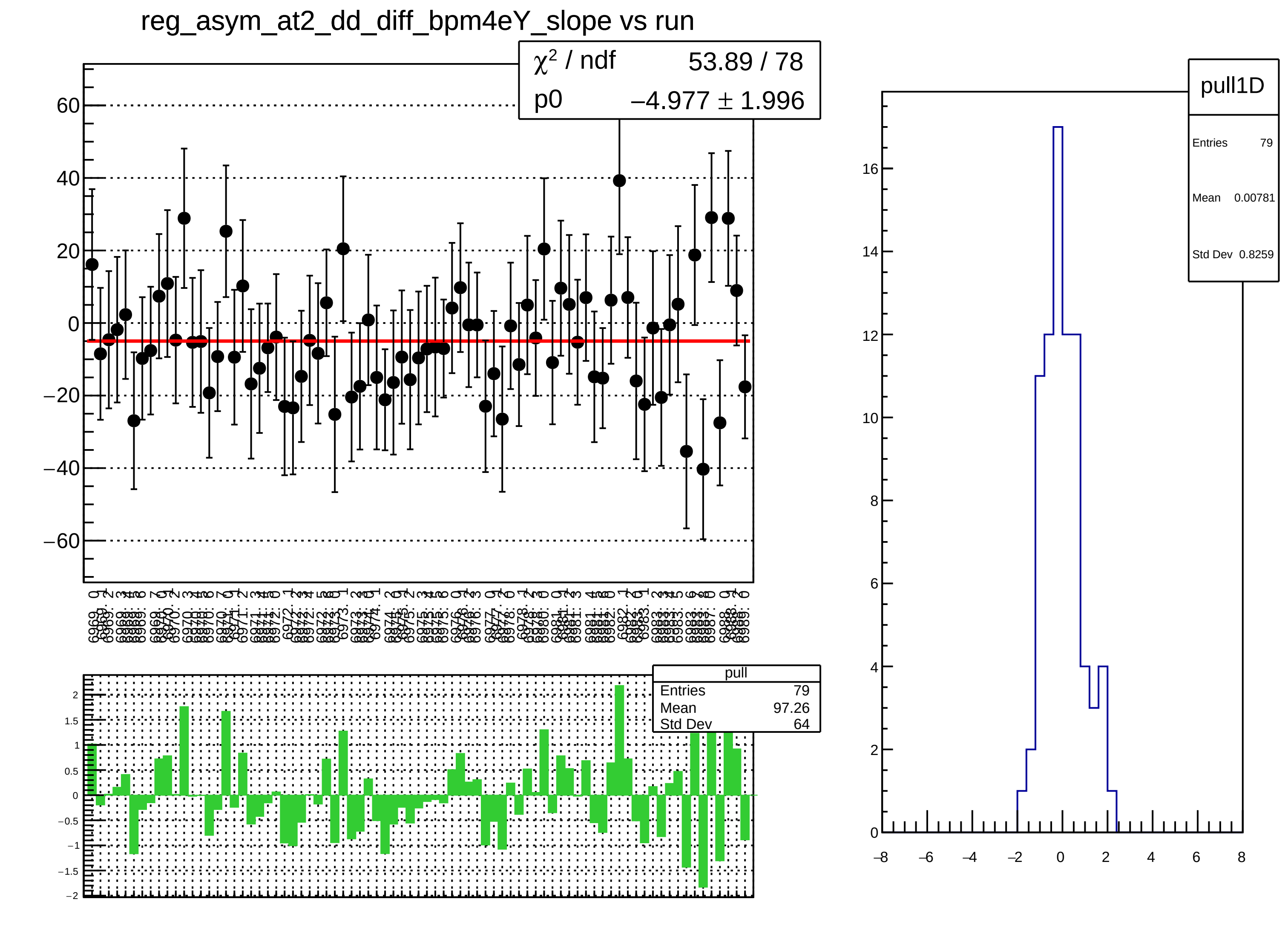
reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 44.31 / 78
p0 46.52 ± 2.448
pull
Entries 79
Mean 64.94
Std Dev 51.18
pull1D
Entries 79
Mean 0.02188
Std Dev 0.7486



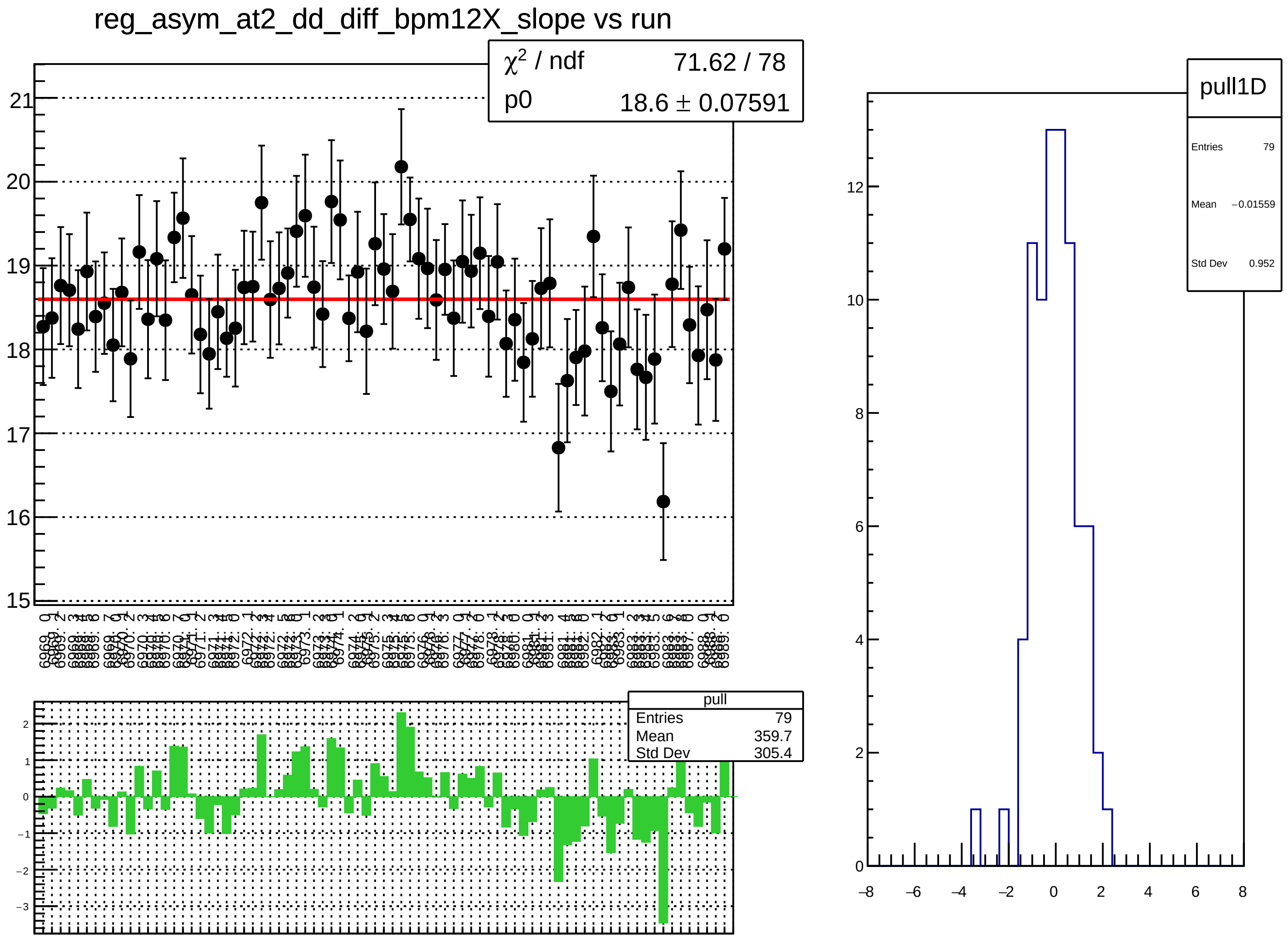
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 57.5 / 78
p0 −3 ± 1.744
pull
Entries 79
Mean 29.91
Std Dev 86.89
pull1D
Entries 79
Mean −0.006711
Std Dev 0.8531

reg_asym_at2_dd_diff_bpm4eX_slope vs run



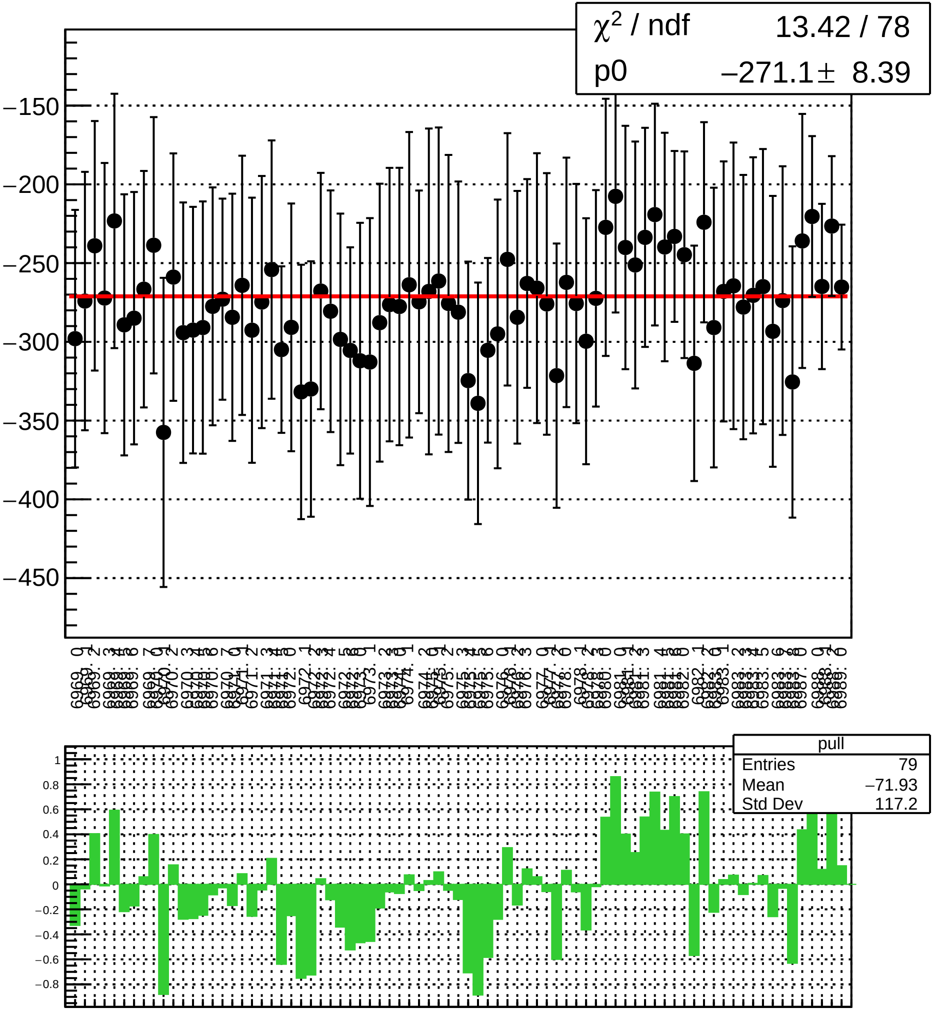


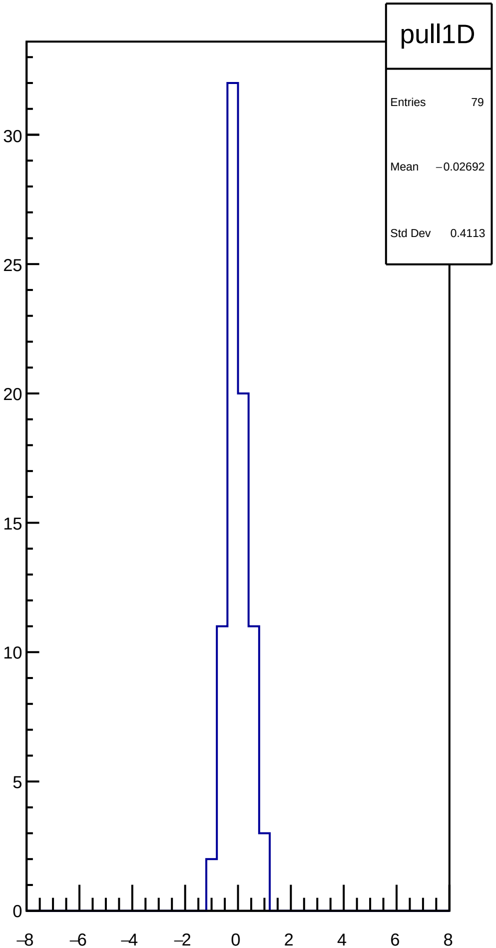
reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 53.89 / 78
p0 −4.977 ± 1.996
pull
Entries 79
Mean 97.26
Std Dev 64
pull1D
Entries 79
Mean 0.00781
Std Dev 0.8259

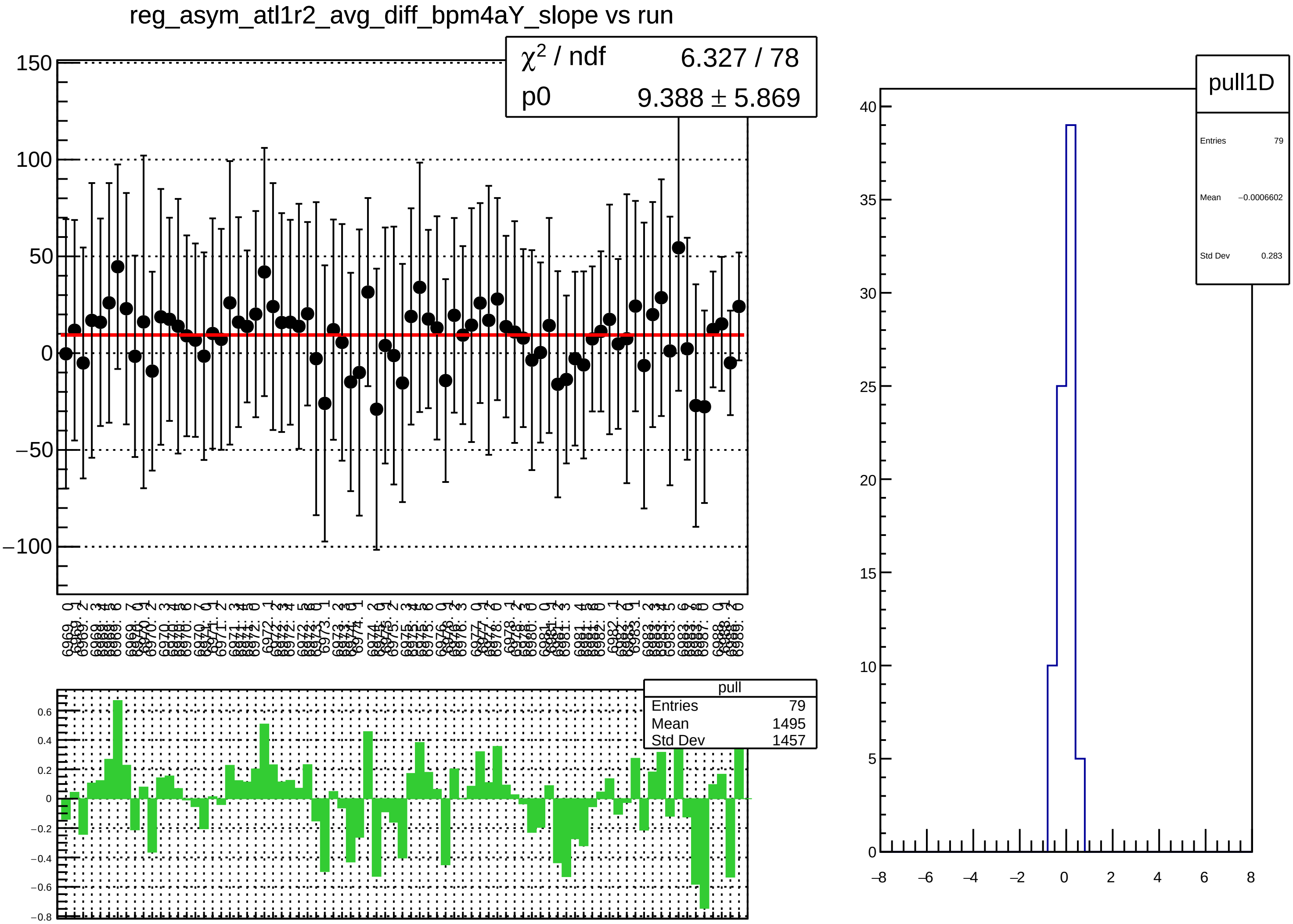


reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 71.62 / 78
p0 18.6 ± 0.07591
pull
Entries 79
Mean 359.7
Std Dev 305.4
pull1D
Entries 79
Mean −0.01559
Std Dev 0.952

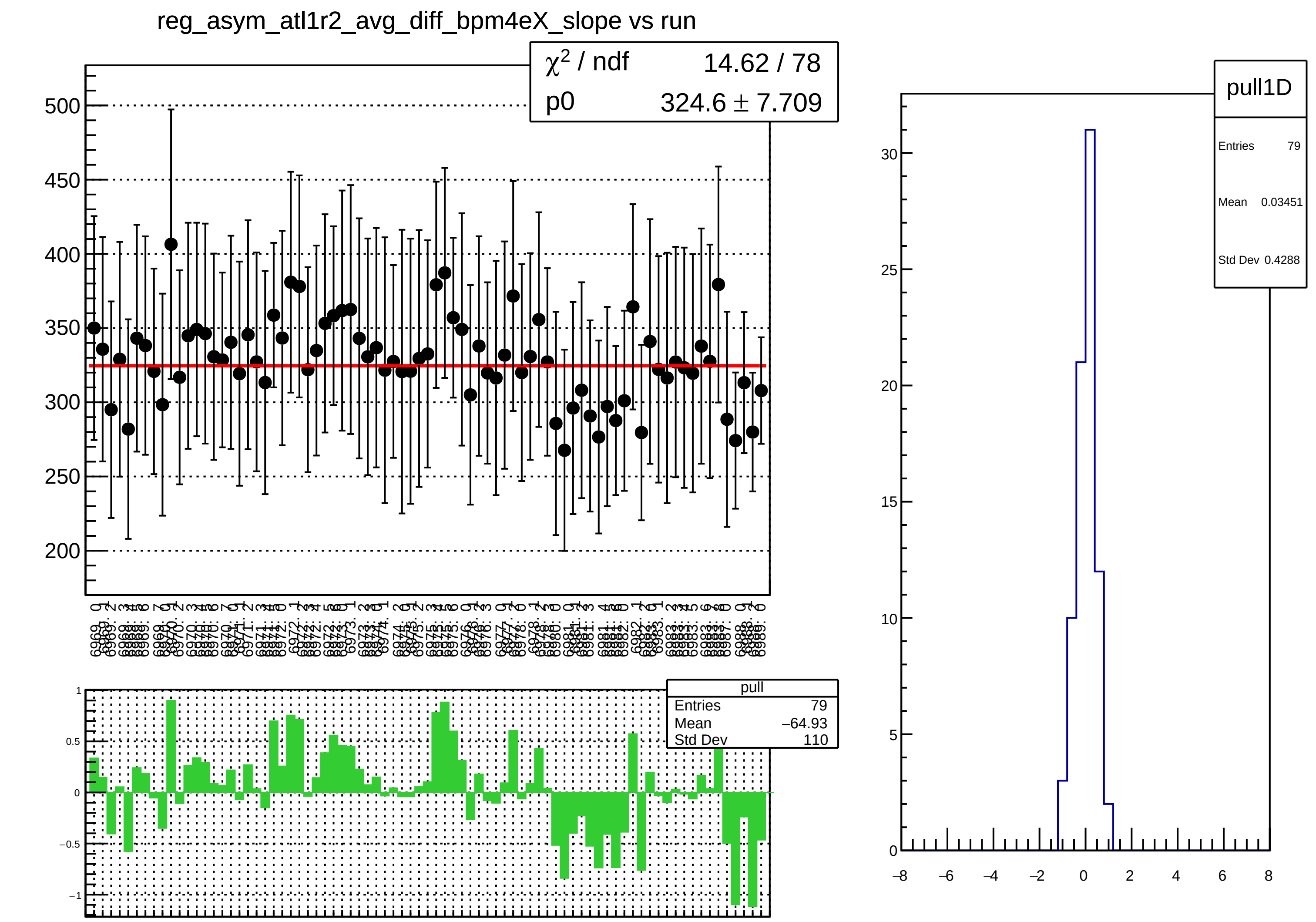
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run

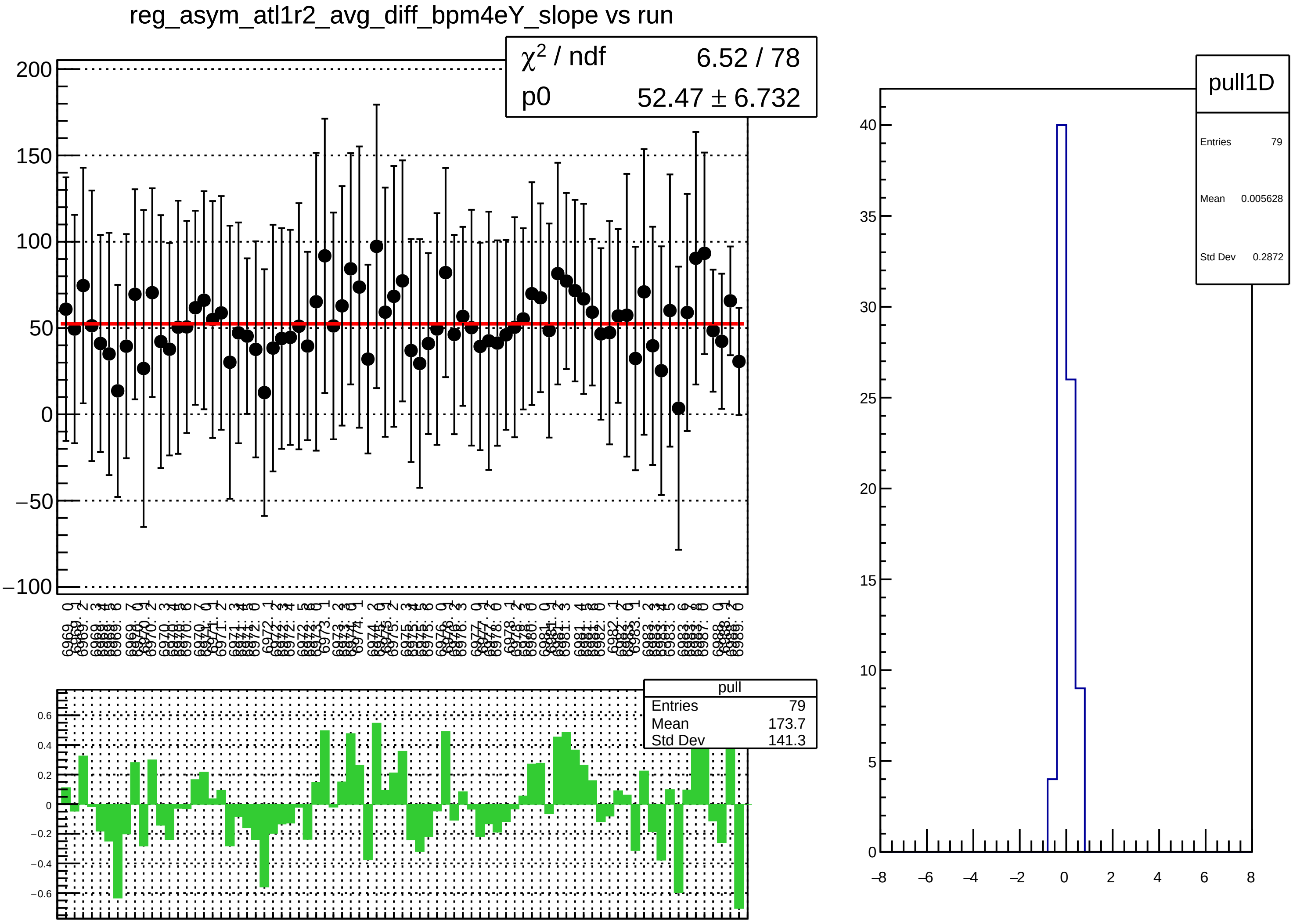




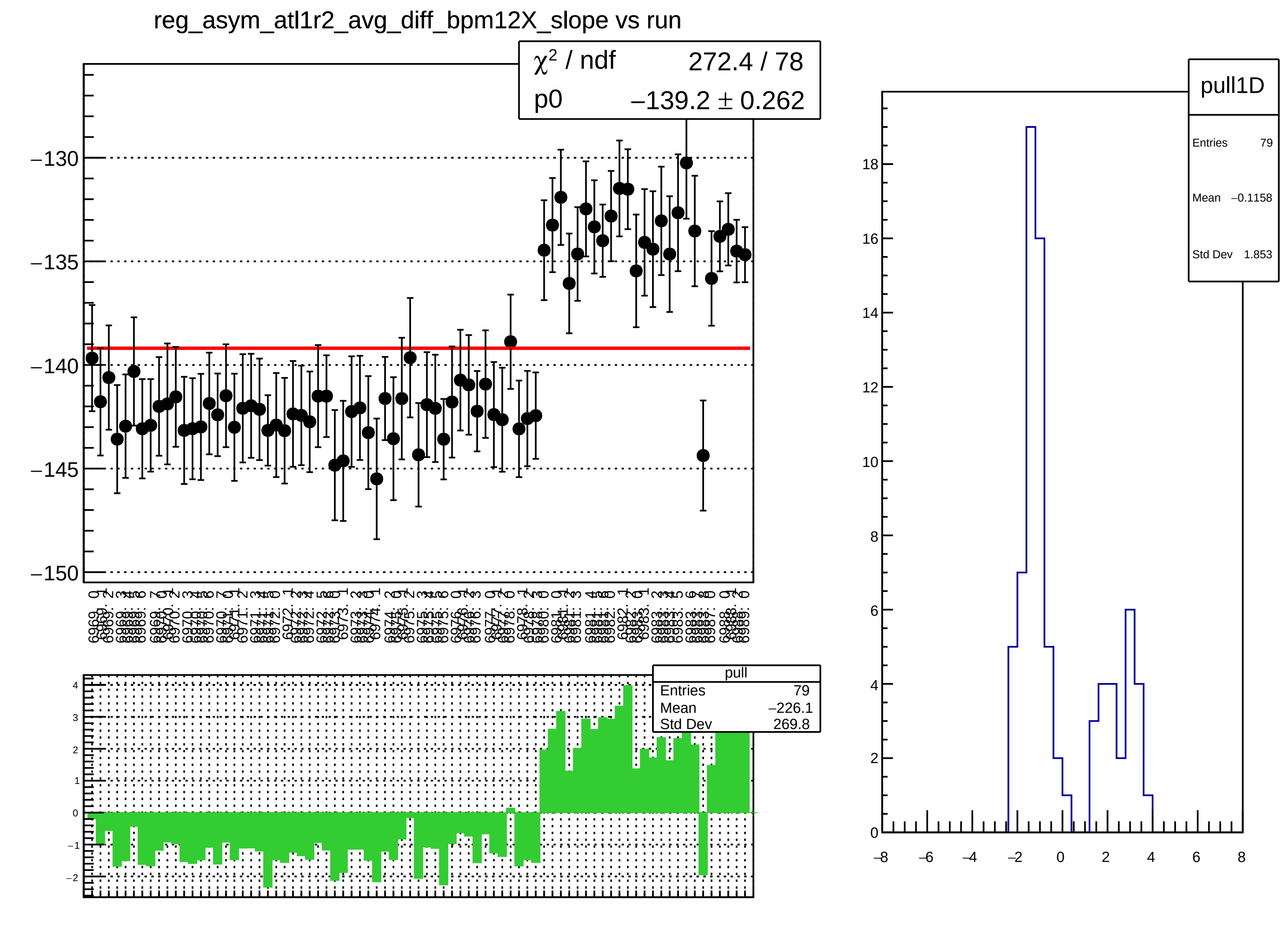


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.327 / 78
p0 9.388 ± 5.869
pull
Entries 79
Mean 1495
Std Dev 1457
pull1D
Entries 79
Mean −0.0006602
Std Dev 0.283

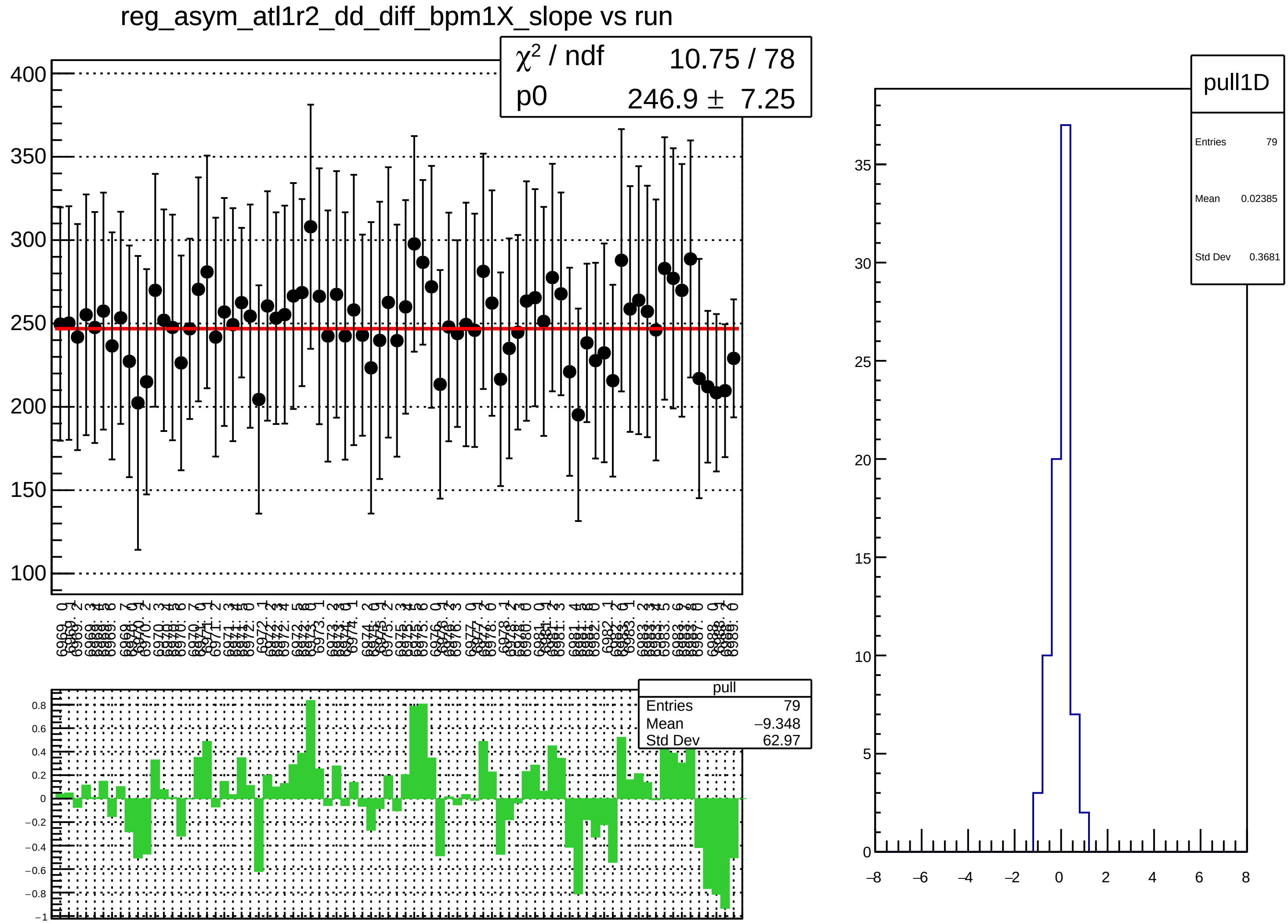

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 14.62 / 78
p0 324.6 ± 7.709
pull
Entries 79
Mean −64.93
Std Dev 110
pull1D
Entries 79
Mean 0.03451
Std Dev 0.4288



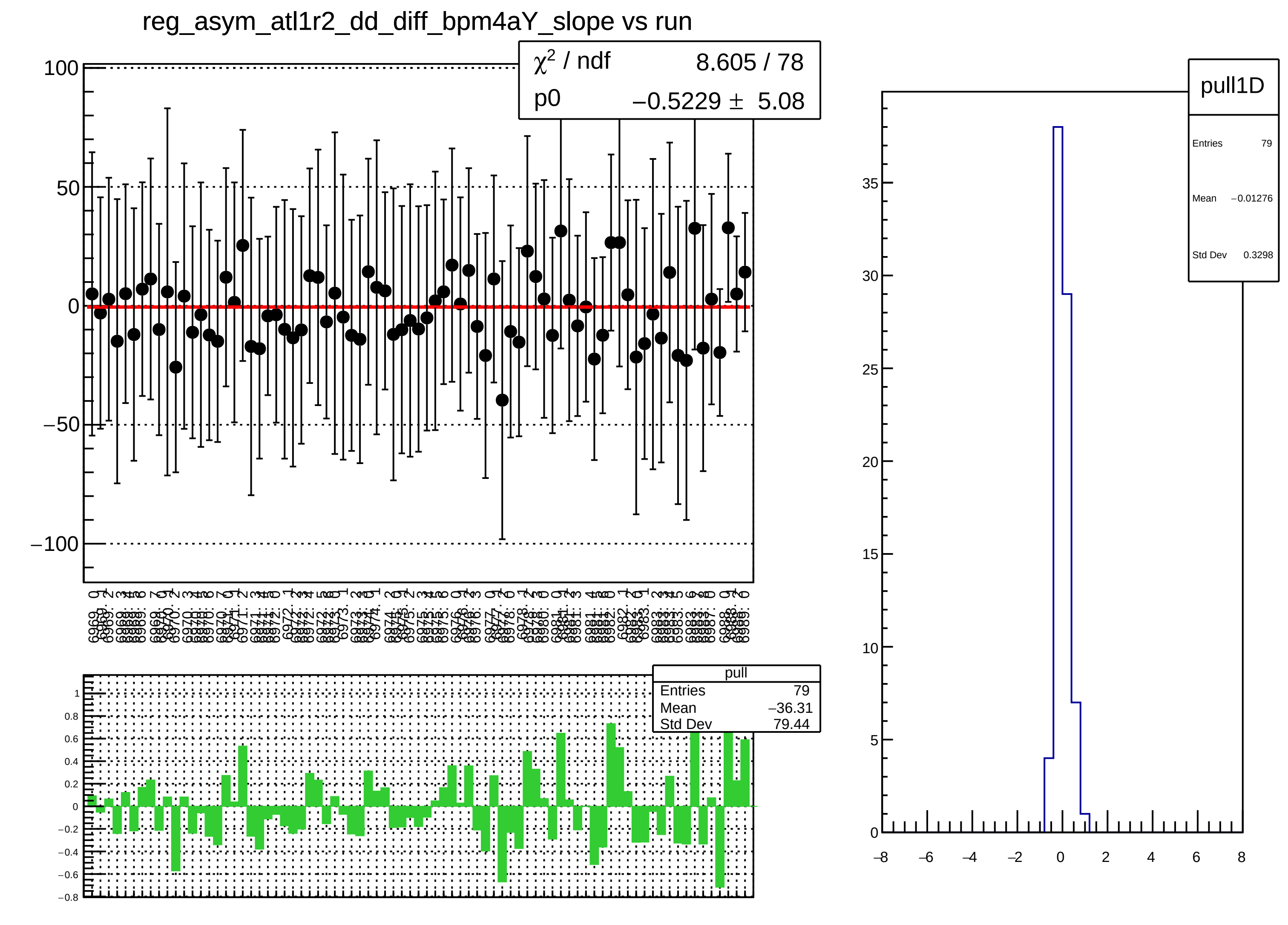
reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 6.52 / 78
p0 52.47 ± 6.732
pull
Entries 79
Mean 173.7
Std Dev 141.3
pull1D
Entries 79
Mean 0.005628
Std Dev 0.2872



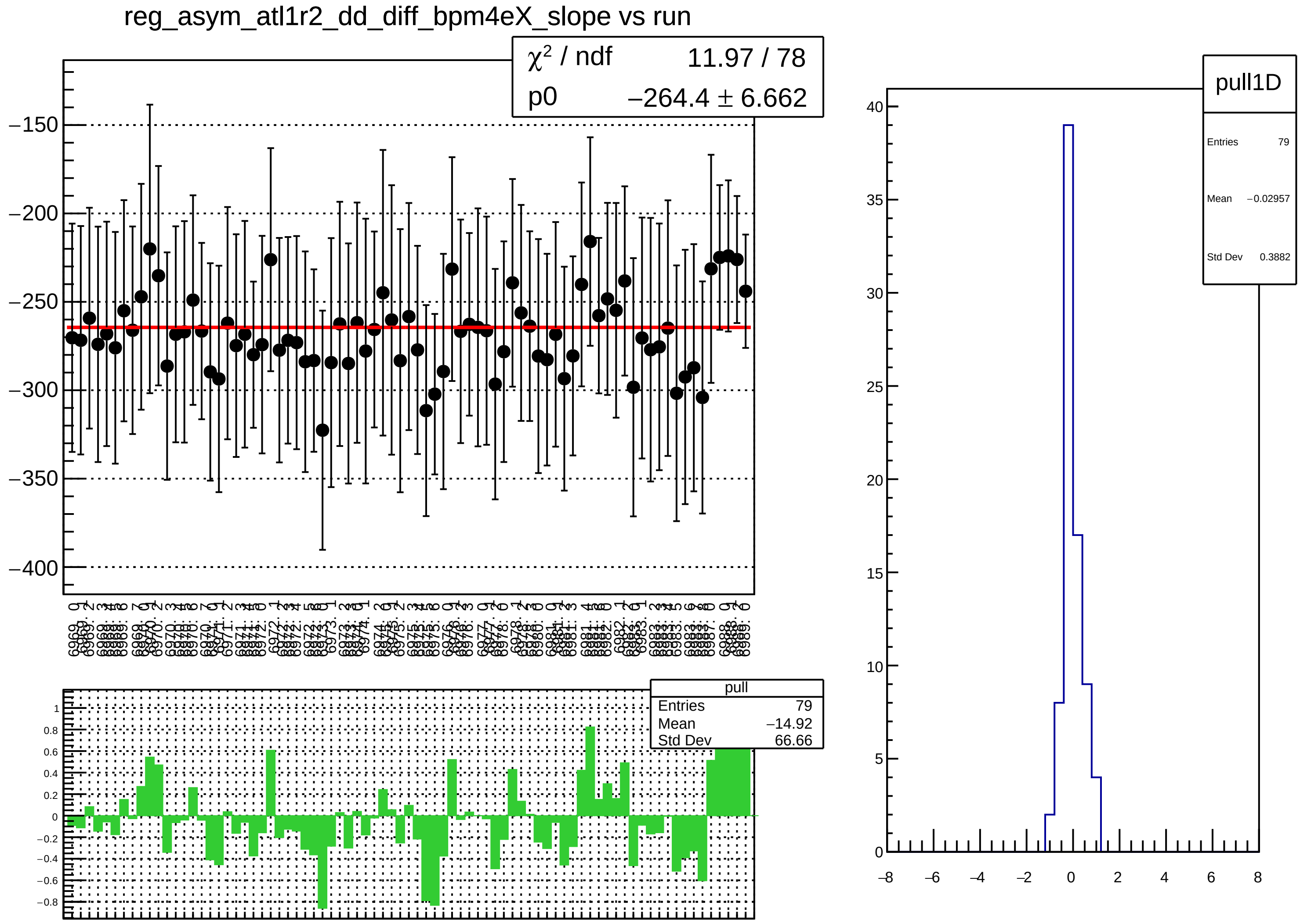
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ2 / ndf 272.4 / 78
p0 −139.2 ± 0.262
−130
−135
−140
−145
−150
pull
Entries 79
Mean −226.1
Std Dev 269.8
4
3
2
1
0
−1
−2
pull1D
Entries 79
Mean −0.1158
Std Dev 1.853
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



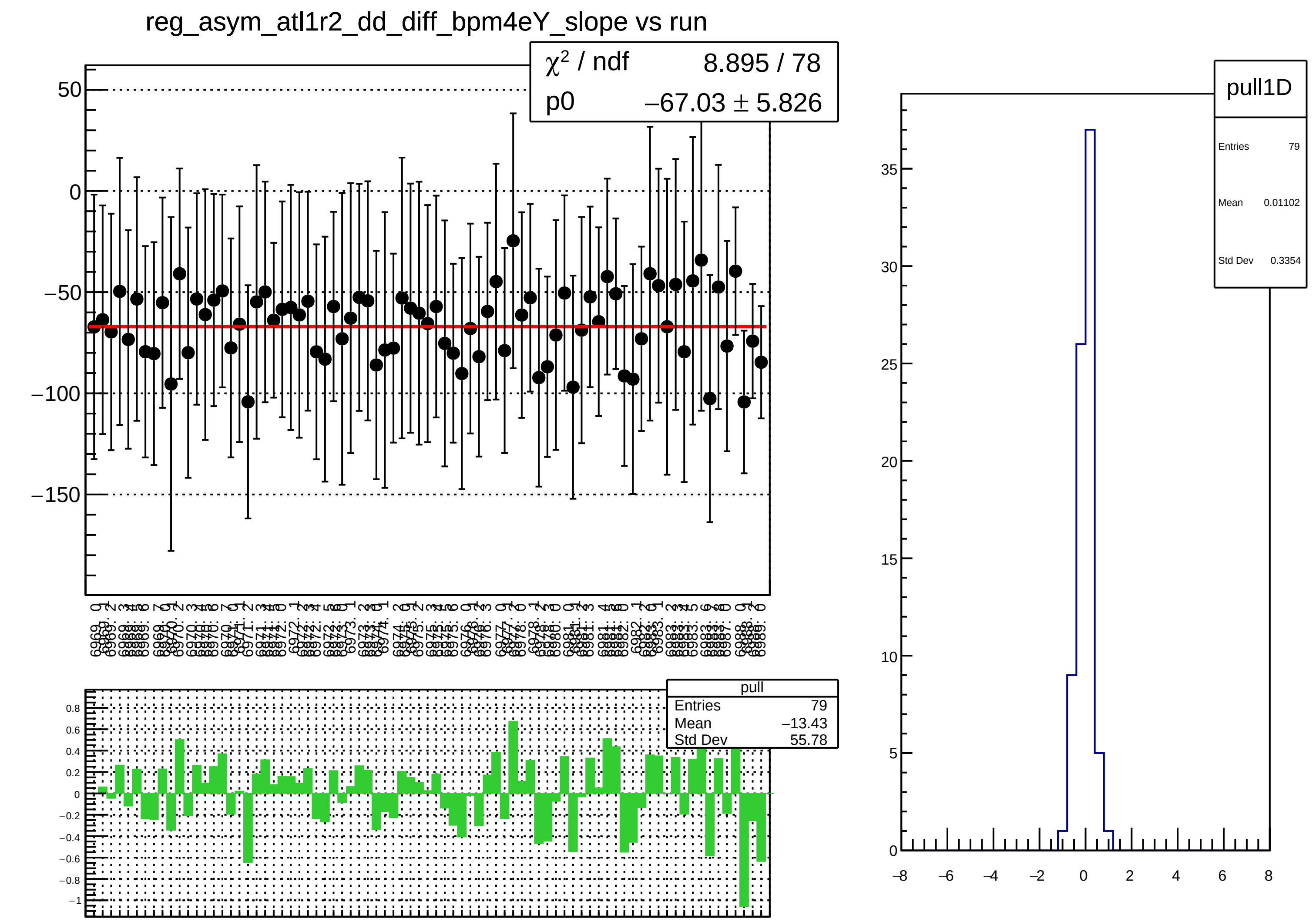
reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.75 / 78
p0 246.9 ± 7.25
pull
Entries 79
Mean −9.348
Std Dev 62.97
pull1D
Entries 79
Mean 0.02385
Std Dev 0.3681



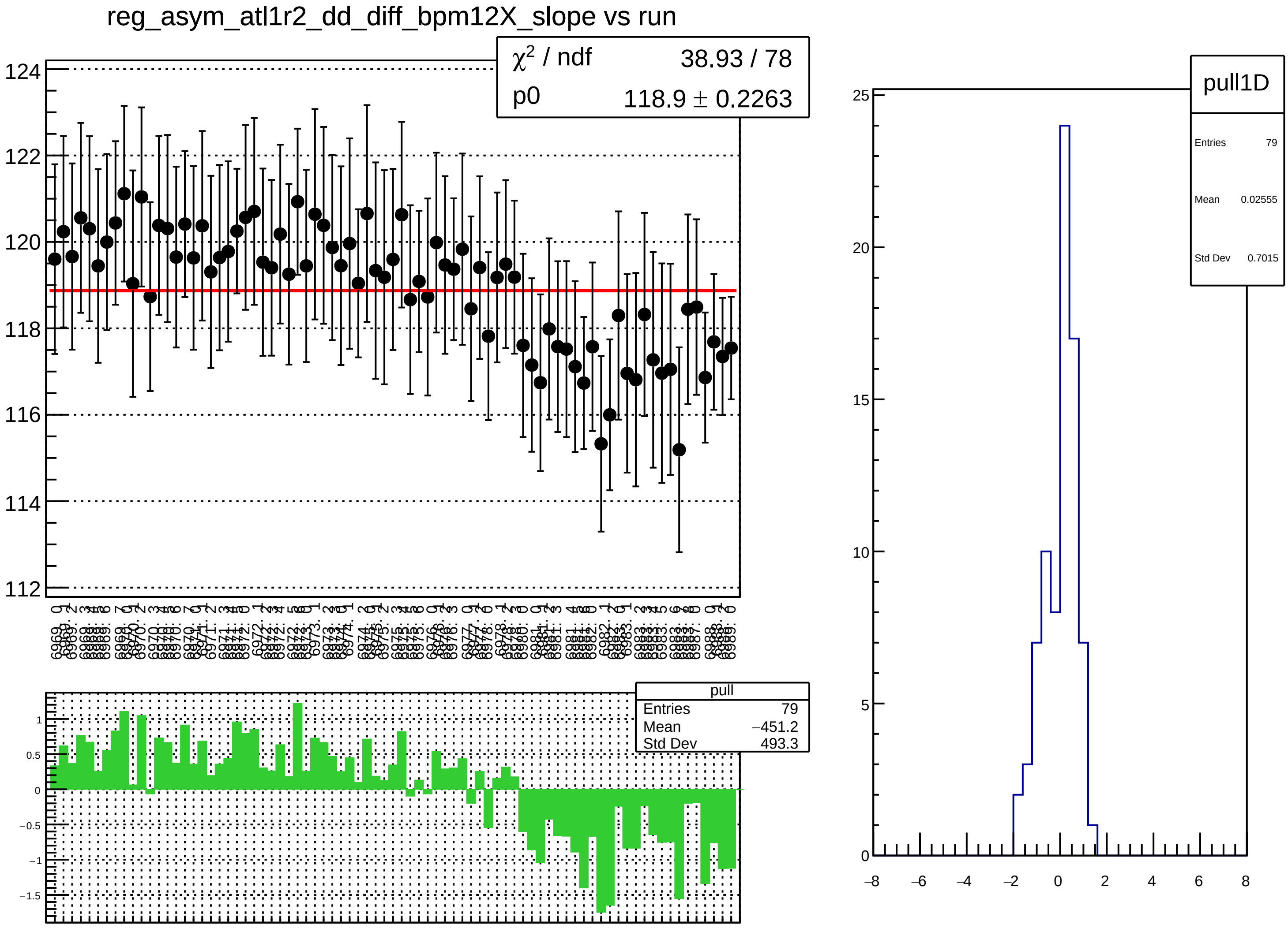
reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.605 / 78
p0 −0.5229 ± 5.08
pull
Entries 79
Mean −36.31
Std Dev 79.44
pull1D
Entries 79
Mean −0.01276
Std Dev 0.3298



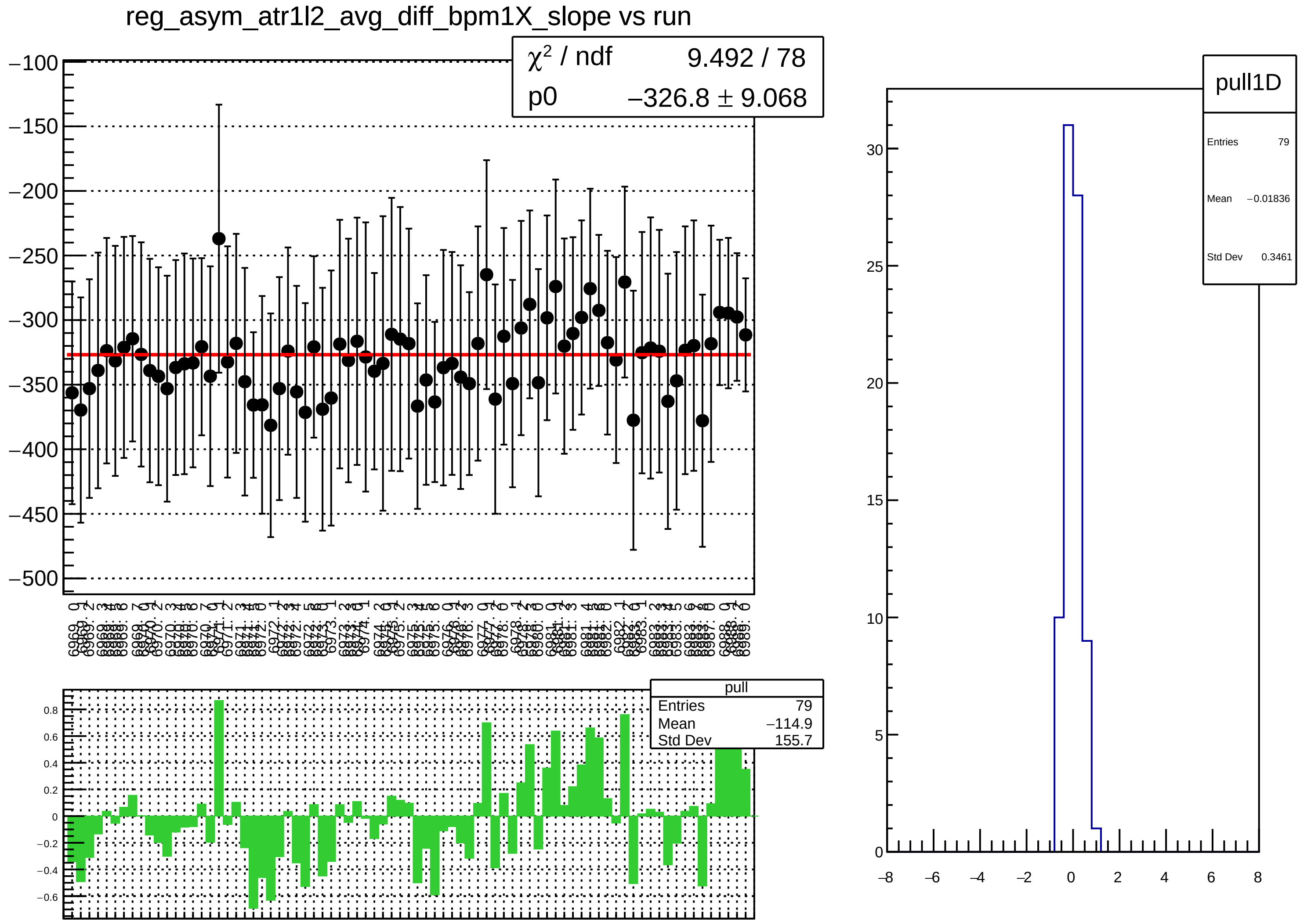
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.97 / 78
p0 −264.4 ± 6.662
pull
Entries 79
Mean −14.92
Std Dev 66.66
pull1D
Entries 79
Mean −0.02957
Std Dev 0.3882



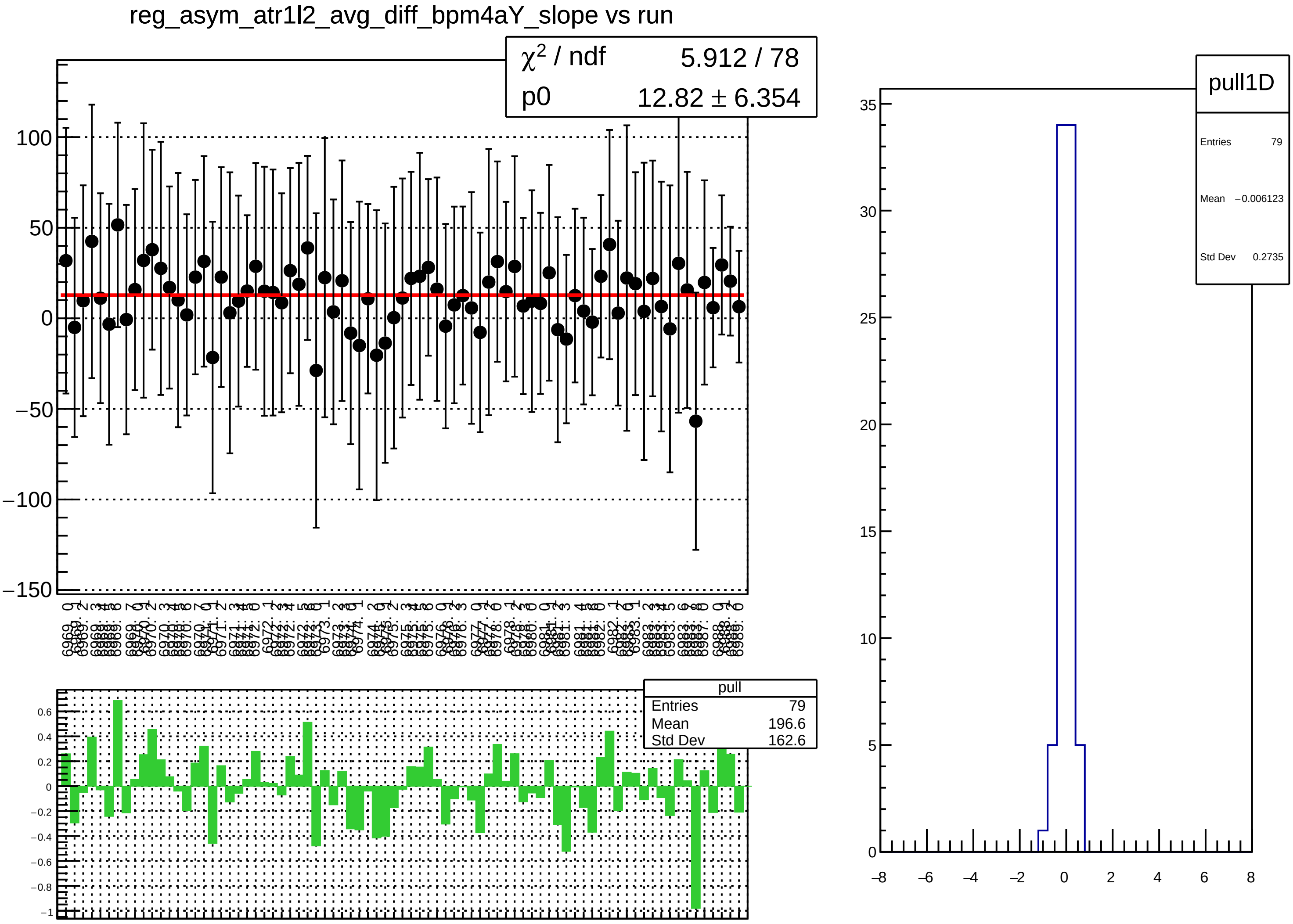
reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.895 / 78
p0 −67.03 ± 5.826
pull
Entries 79
Mean −13.43
Std Dev 55.78
pull1D
Entries 79
Mean 0.01102
Std Dev 0.3354



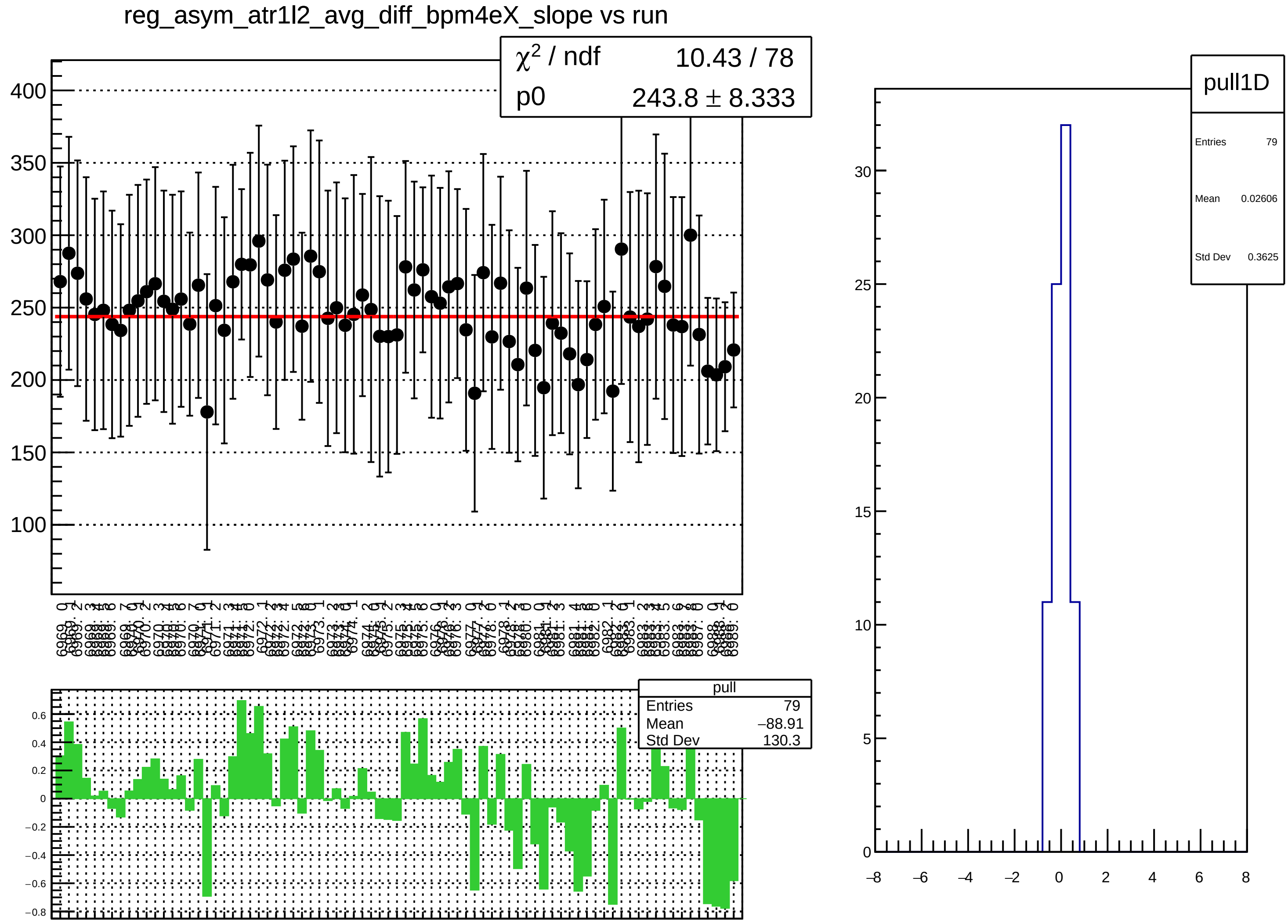
reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 38.93 / 78
p0 118.9 ± 0.2263
124
122
120
118
116
114
112
pull
Entries 79
Mean −451.2
Std Dev 493.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 79
Mean 0.02555
Std Dev 0.7015
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



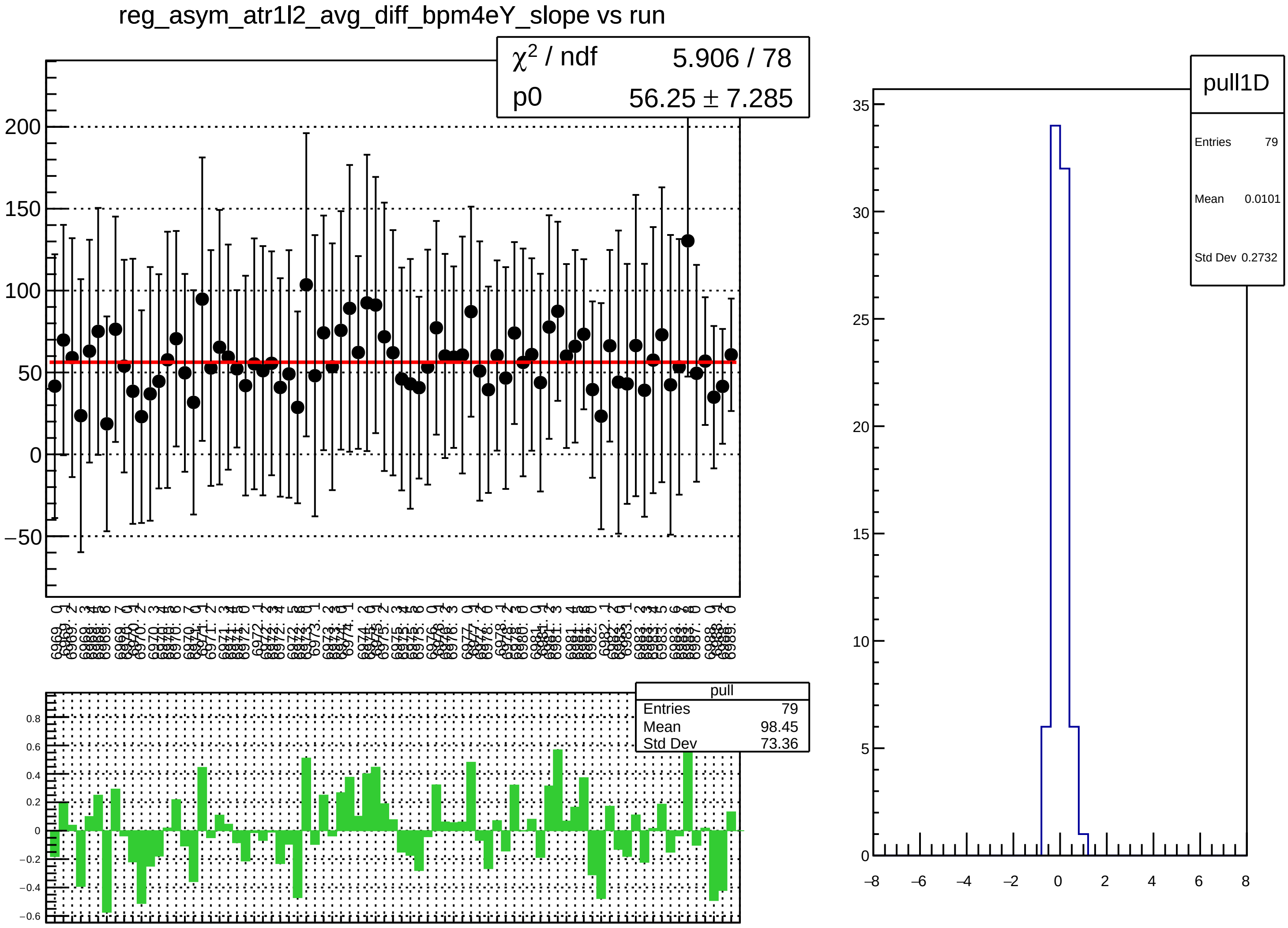
reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ2 / ndf 9.492 / 78
p0 −326.8 ± 9.068
pull
Entries 79
Mean −114.9
Std Dev 155.7
pull1D
Entries 79
Mean −0.01836
Std Dev 0.3461

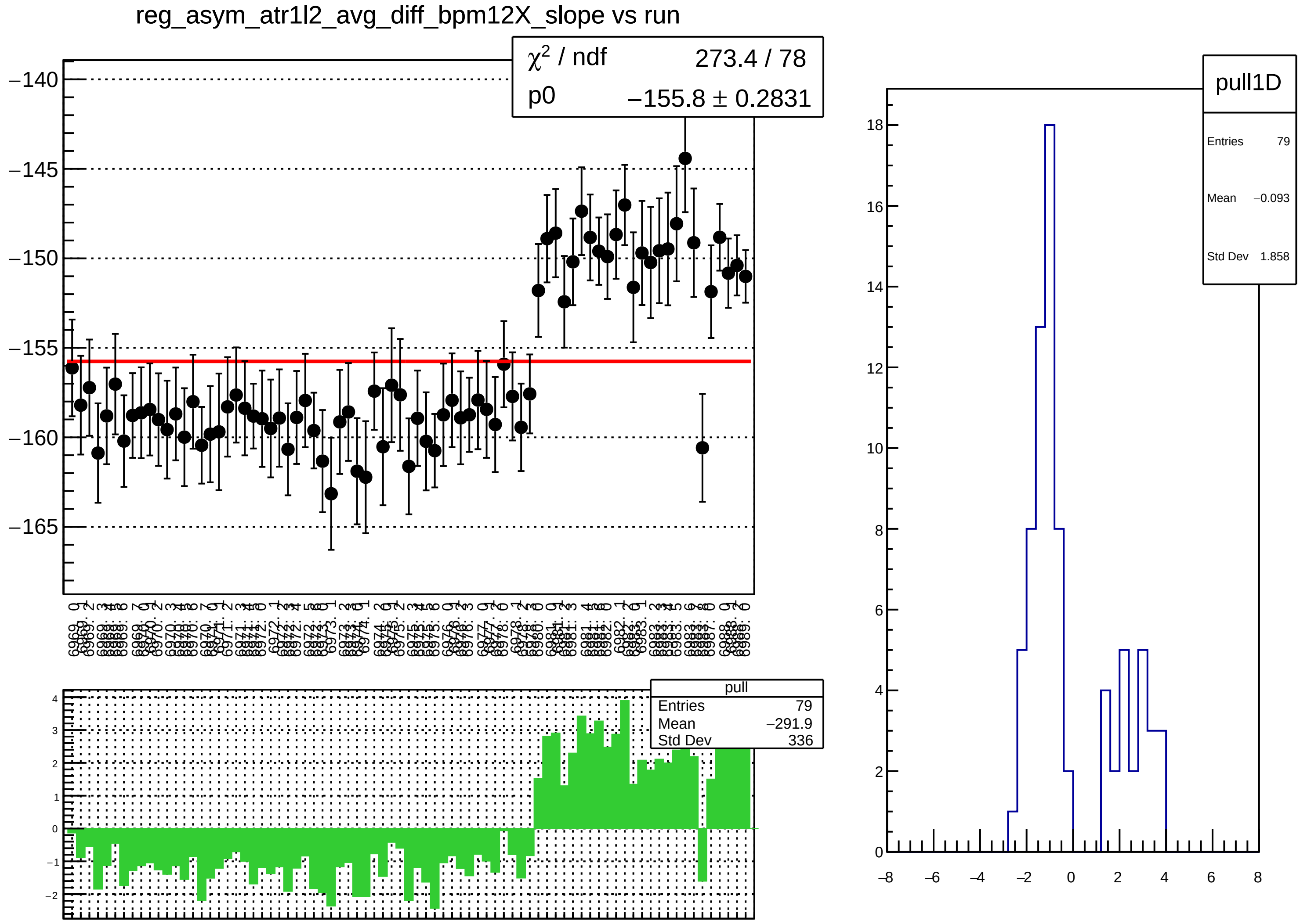


reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.912 / 78
p0 12.82 ± 6.354
pull
Entries 79
Mean 196.6
Std Dev 162.6
pull1D
Entries 79
Mean −0.006123
Std Dev 0.2735

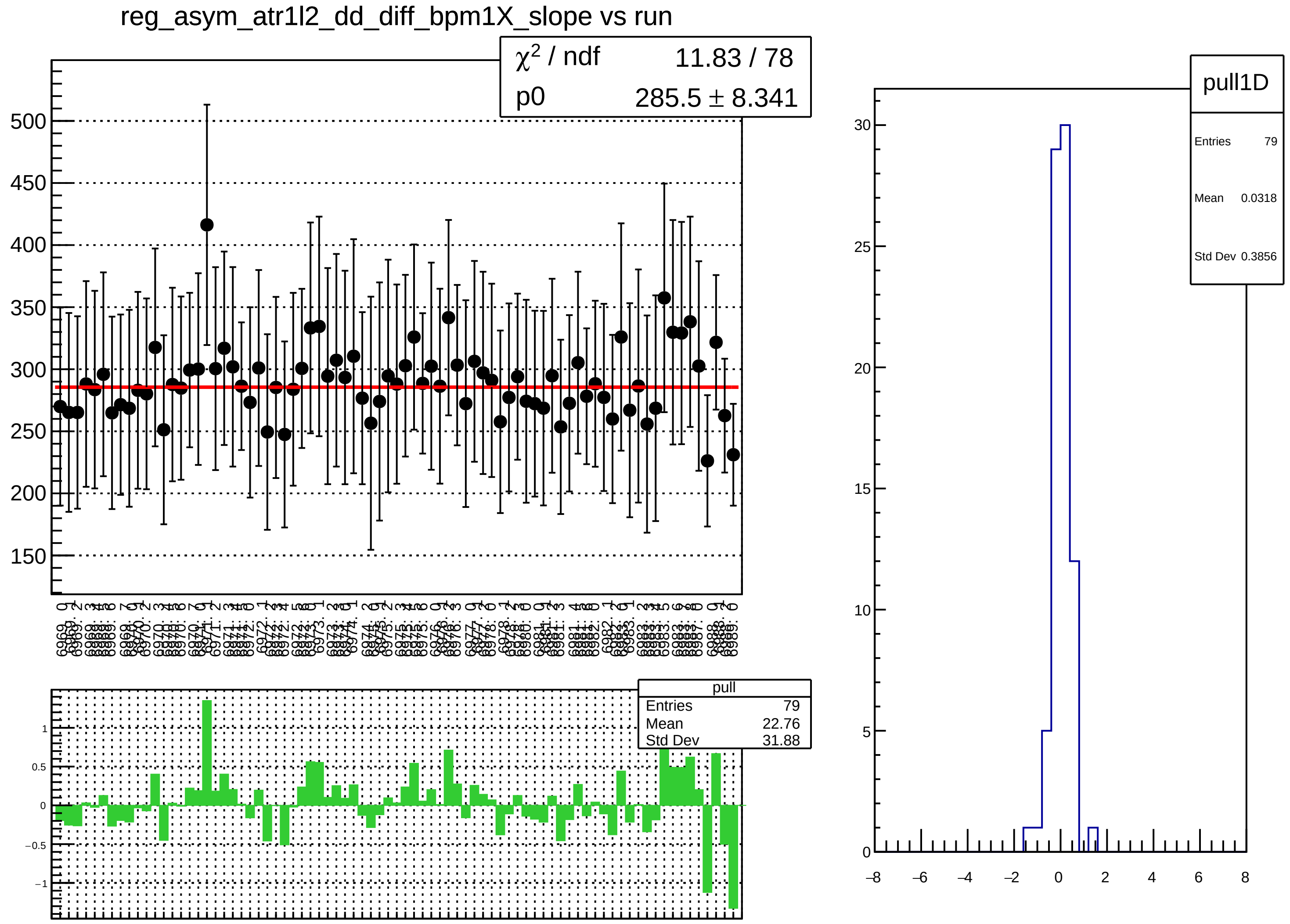


reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 10.43 / 78
p0 243.8 ± 8.333
pull
Entries 79
Mean −88.91
Std Dev 130.3
pull1D
Entries 79
Mean 0.02606
Std Dev 0.3625


reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.906 / 78
p0 56.25 ± 7.285
pull
Entries 79
Mean 98.45
Std Dev 73.36
pull1D
Entries 79
Mean 0.0101
Std Dev 0.2732

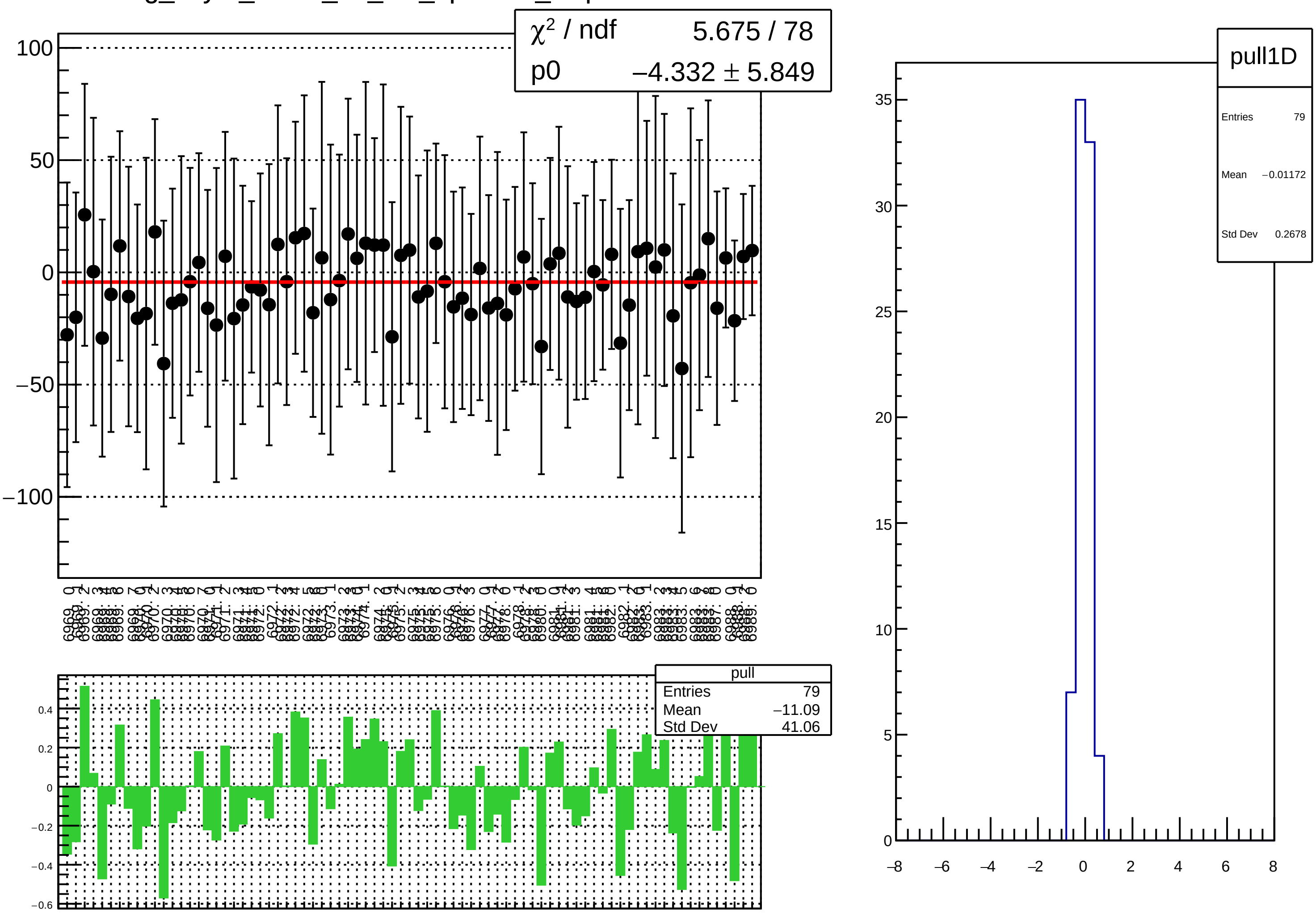


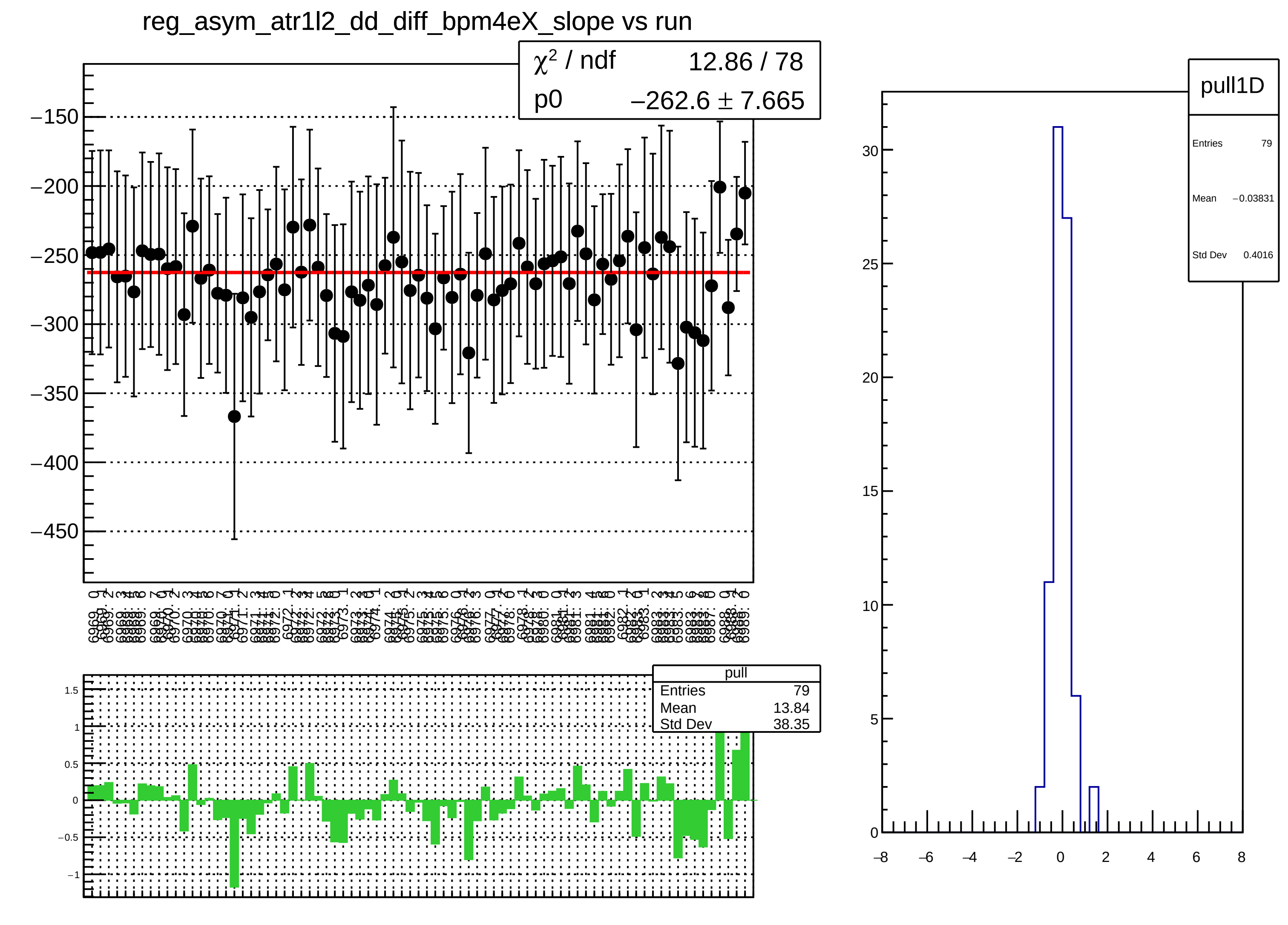
reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 273.4 / 78
p0 −155.8 ± 0.2831
pull
Entries 79
Mean −291.9
Std Dev 336
pull1D
Entries 79
Mean −0.093
Std Dev 1.858



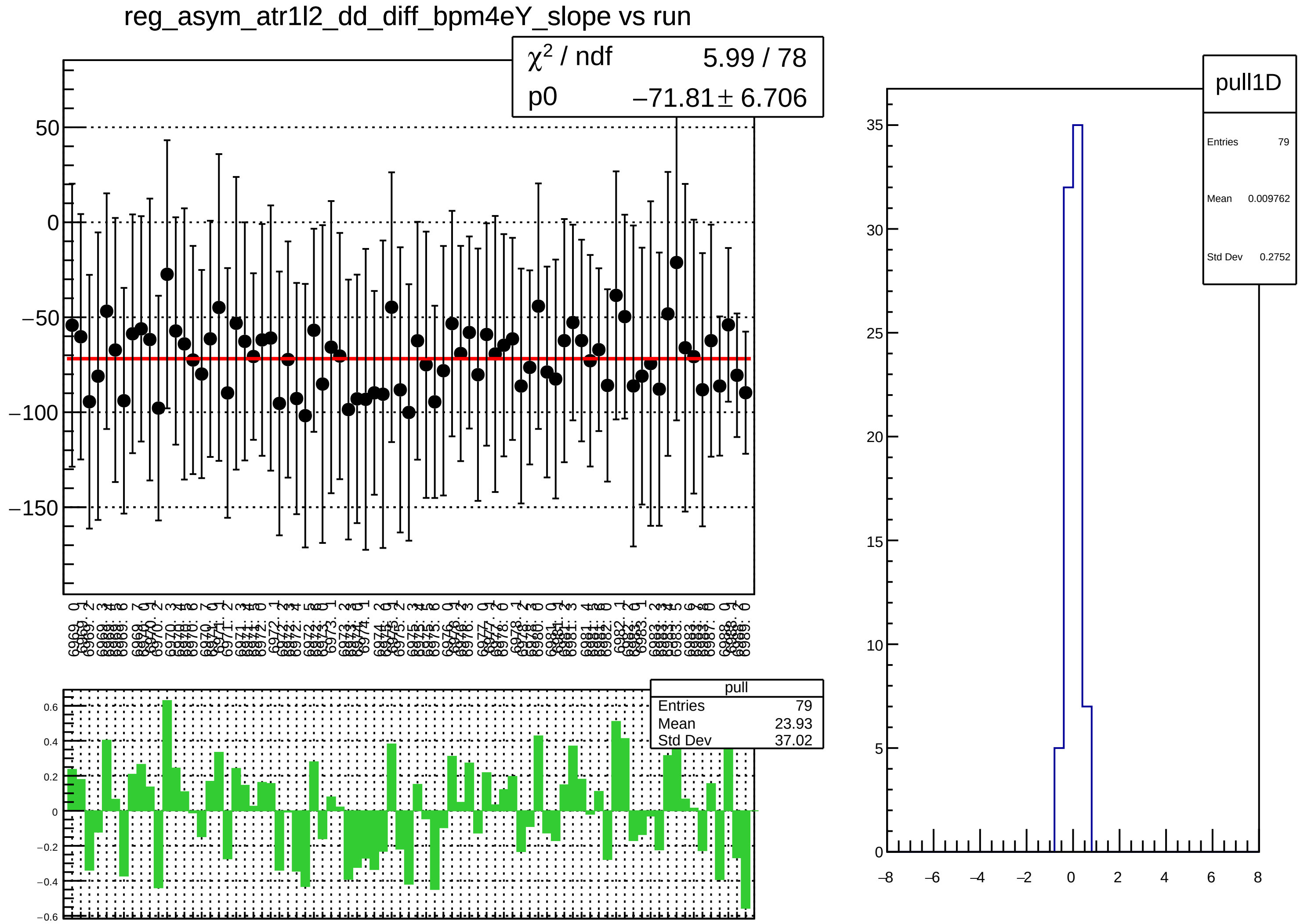
reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ2 / ndf 11.83 / 78
p0 285.5 ± 8.341
pull
Entries 79
Mean 22.76
Std Dev 31.88
pull1D
Entries 79
Mean 0.0318
Std Dev 0.3856

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run

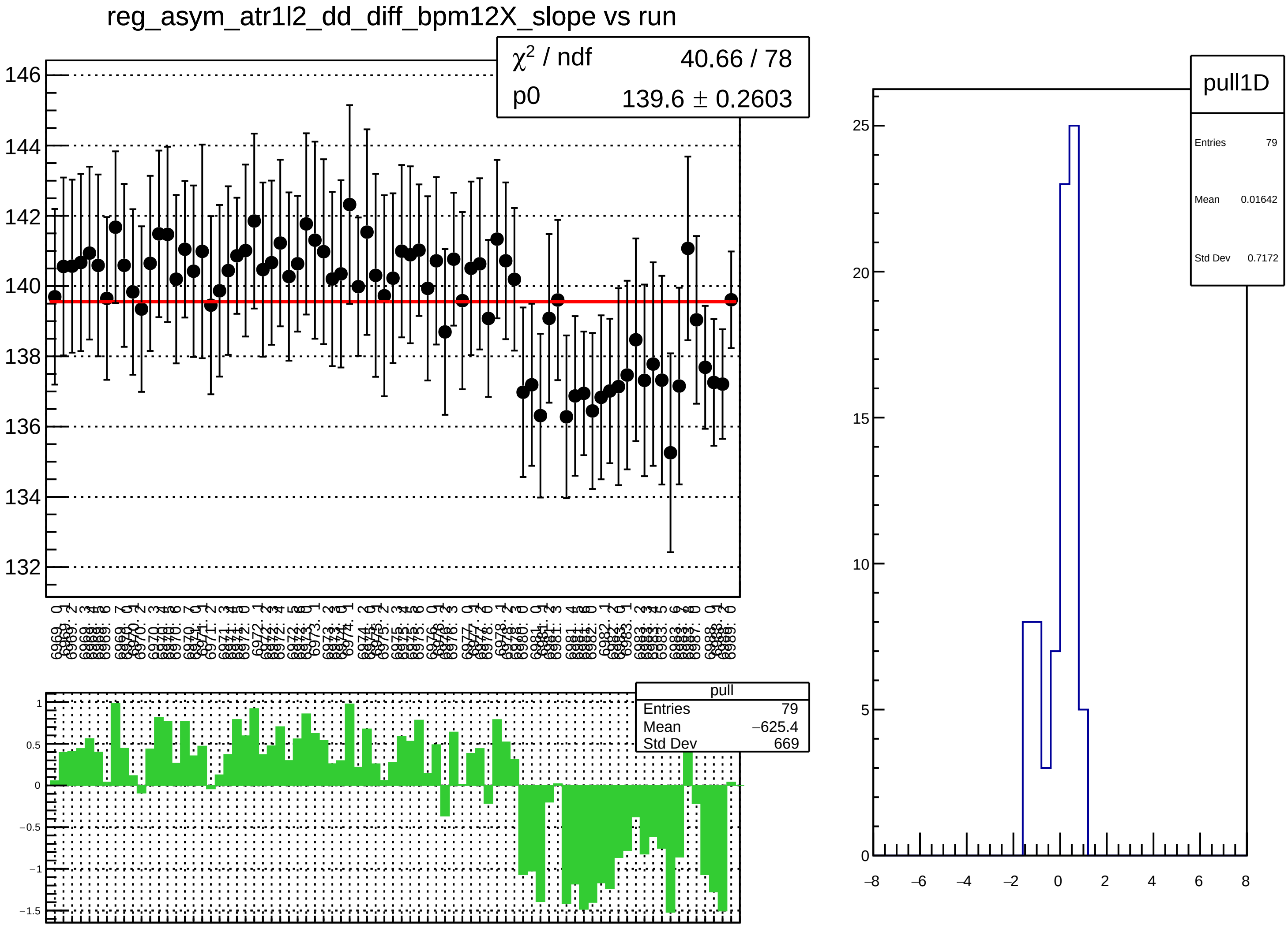




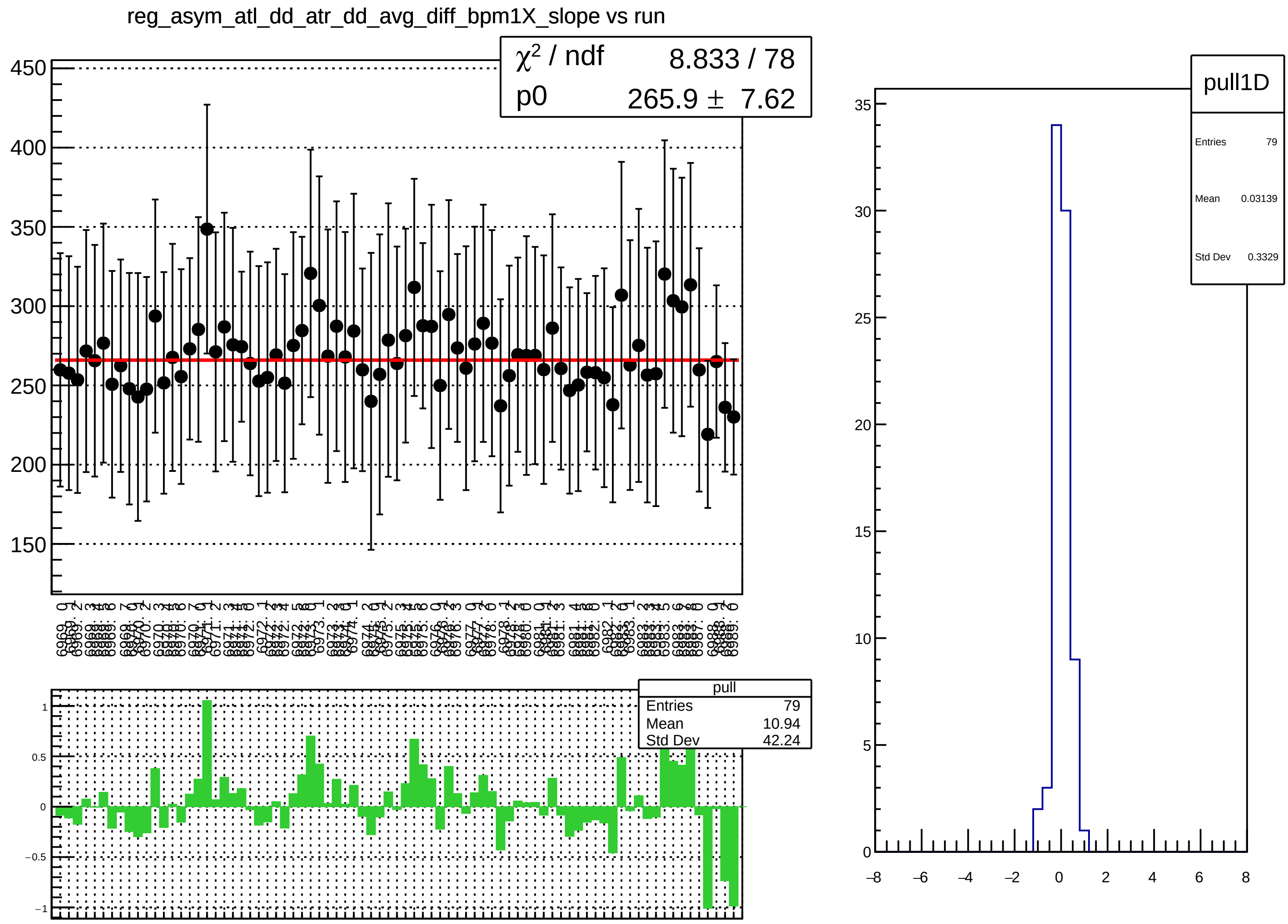
reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.86 / 78
p0 −262.6 ± 7.665
−150
−200
−250
−300
−350
−400
−450
pull
Entries 79
Mean 13.84
Std Dev 38.35
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 79
Mean −0.03831
Std Dev 0.4016
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

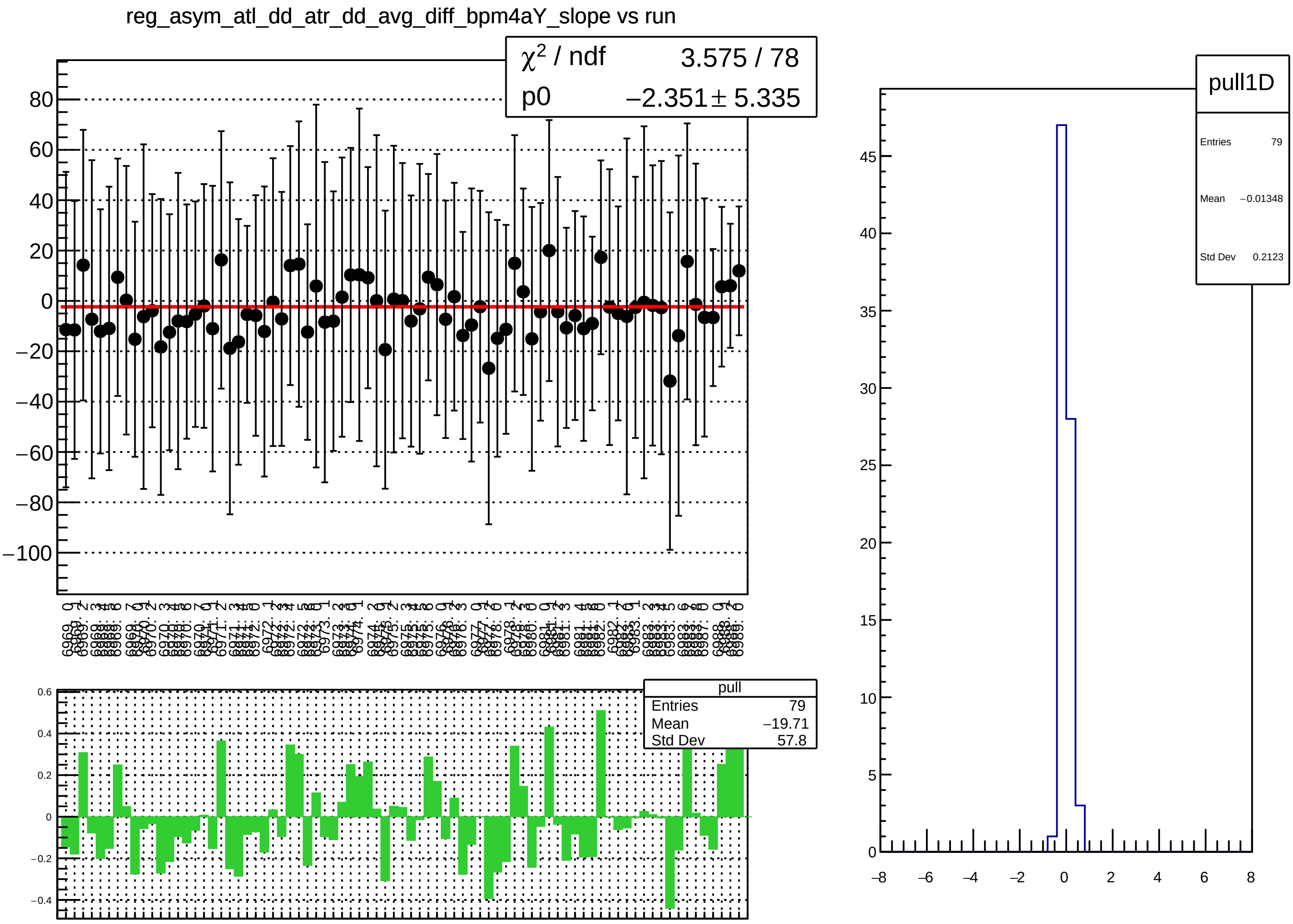


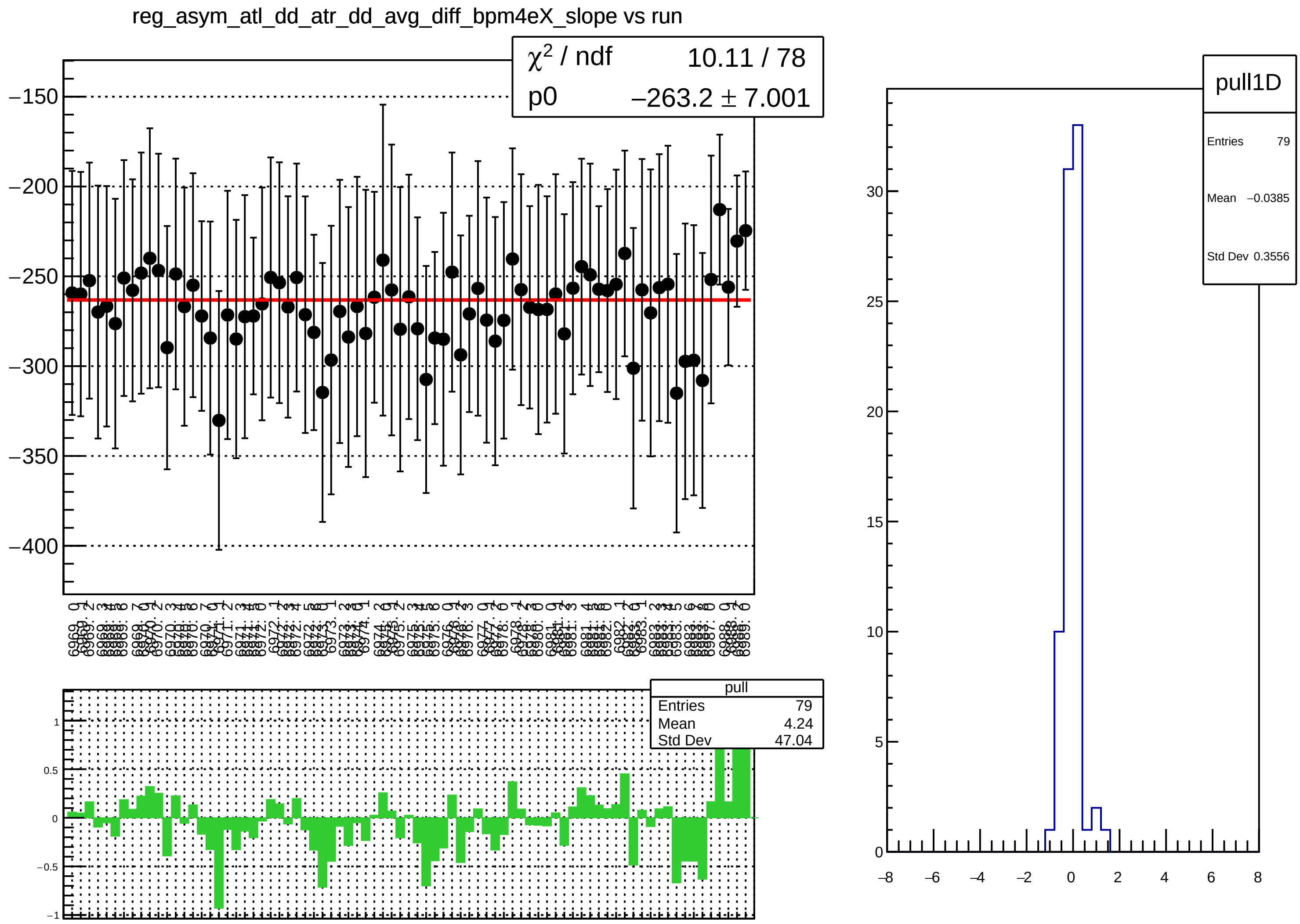
reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.99 / 78
p0 −71.81 ± 6.706
pull
Entries 79
Mean 23.93
Std Dev 37.02
pull1D
Entries 79
Mean 0.009762
Std Dev 0.2752



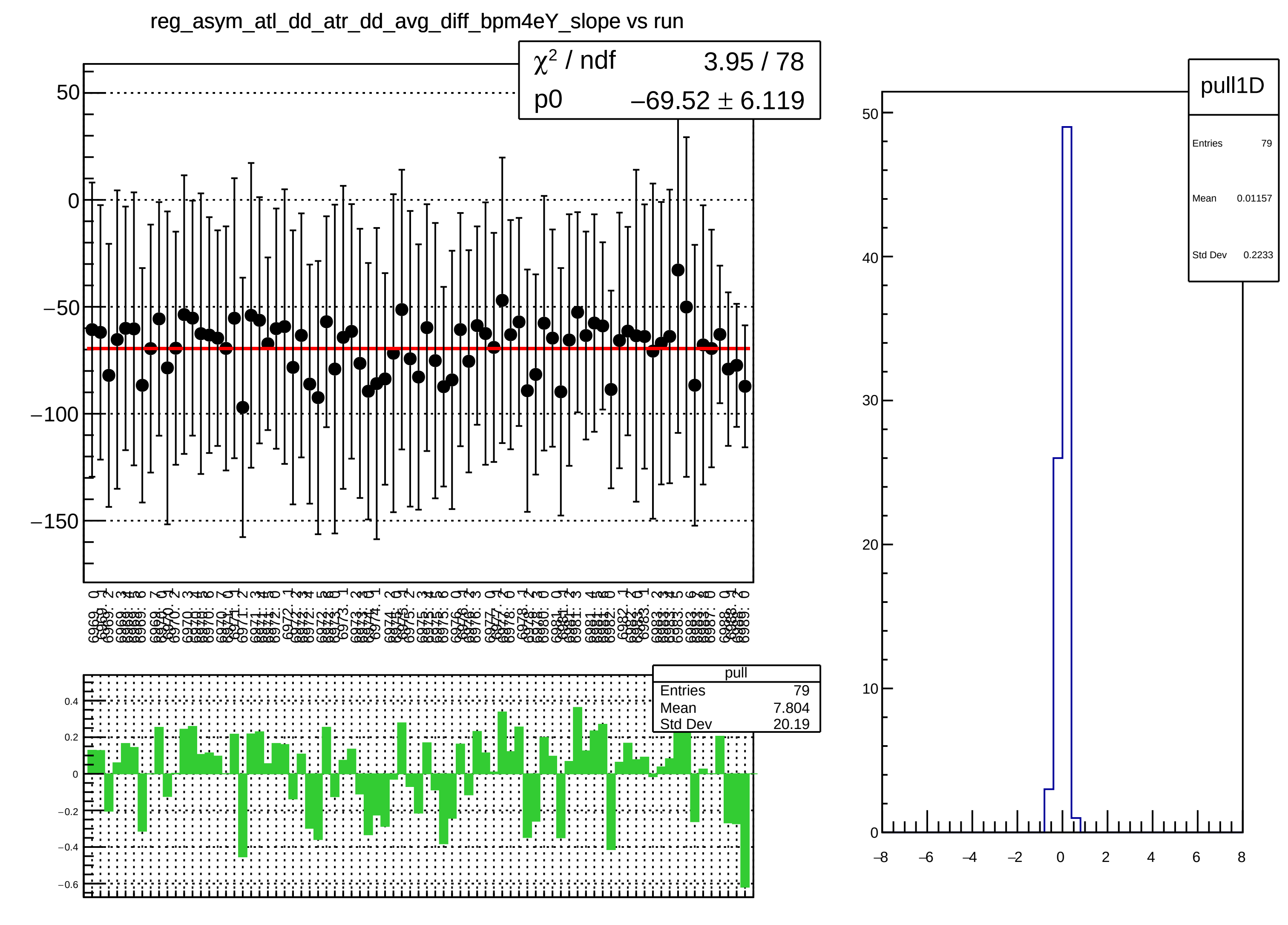
reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 40.66 / 78
p0 139.6 ± 0.2603
pull
Entries 79
Mean −625.4
Std Dev 669
pull1D
Entries 79
Mean 0.01642
Std Dev 0.7172


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ2 / ndf 8.833 / 78
p0 265.9 ± 7.62
pull
Entries 79
Mean 10.94
Std Dev 42.24
pull1D
Entries 79
Mean 0.03139
Std Dev 0.3329

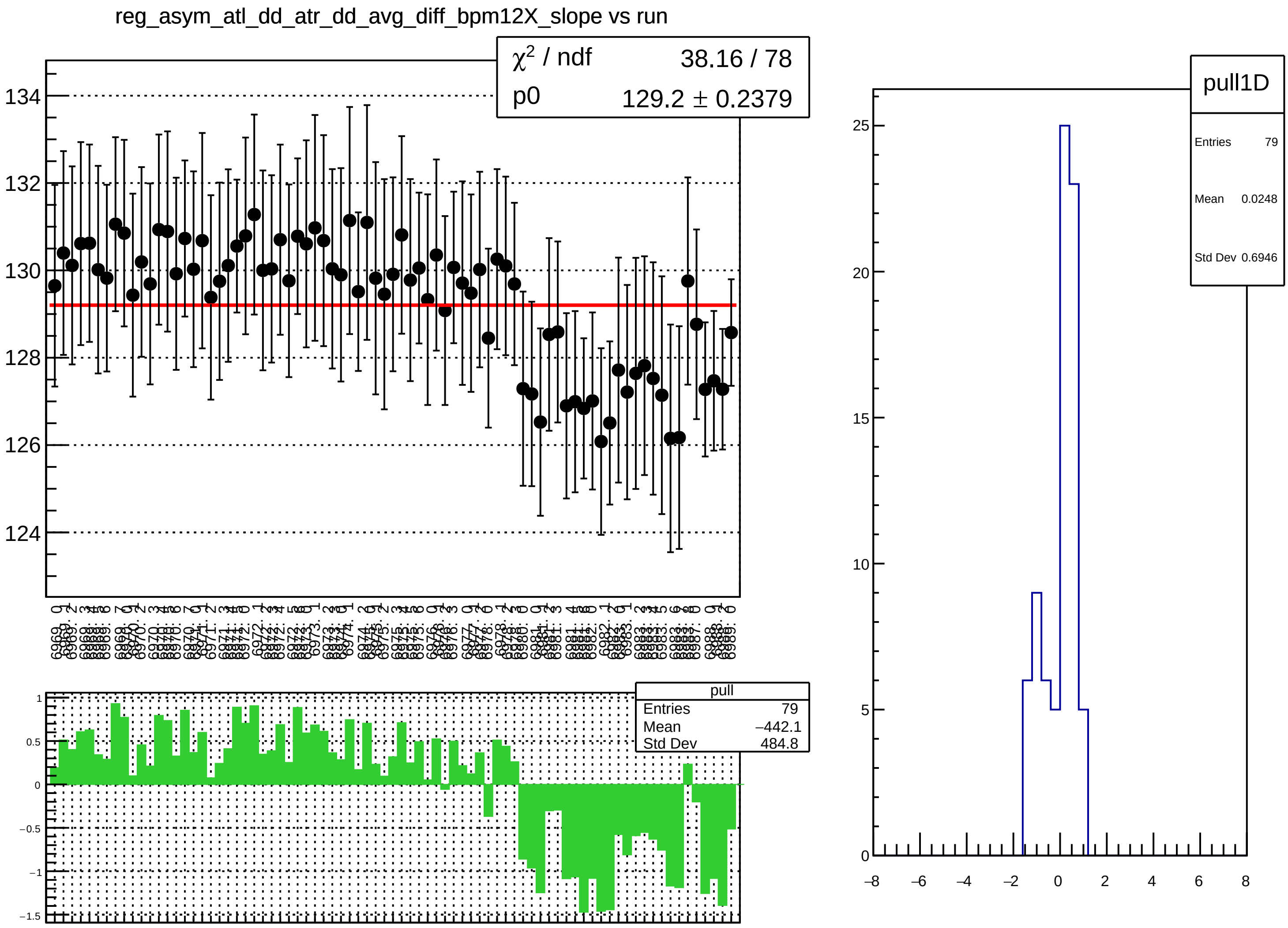

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.575 / 78
p0 −2.351 ± 5.335
pull
Entries 79
Mean −19.71
Std Dev 57.8
pull1D
Entries 79
Mean −0.01348
Std Dev 0.2123



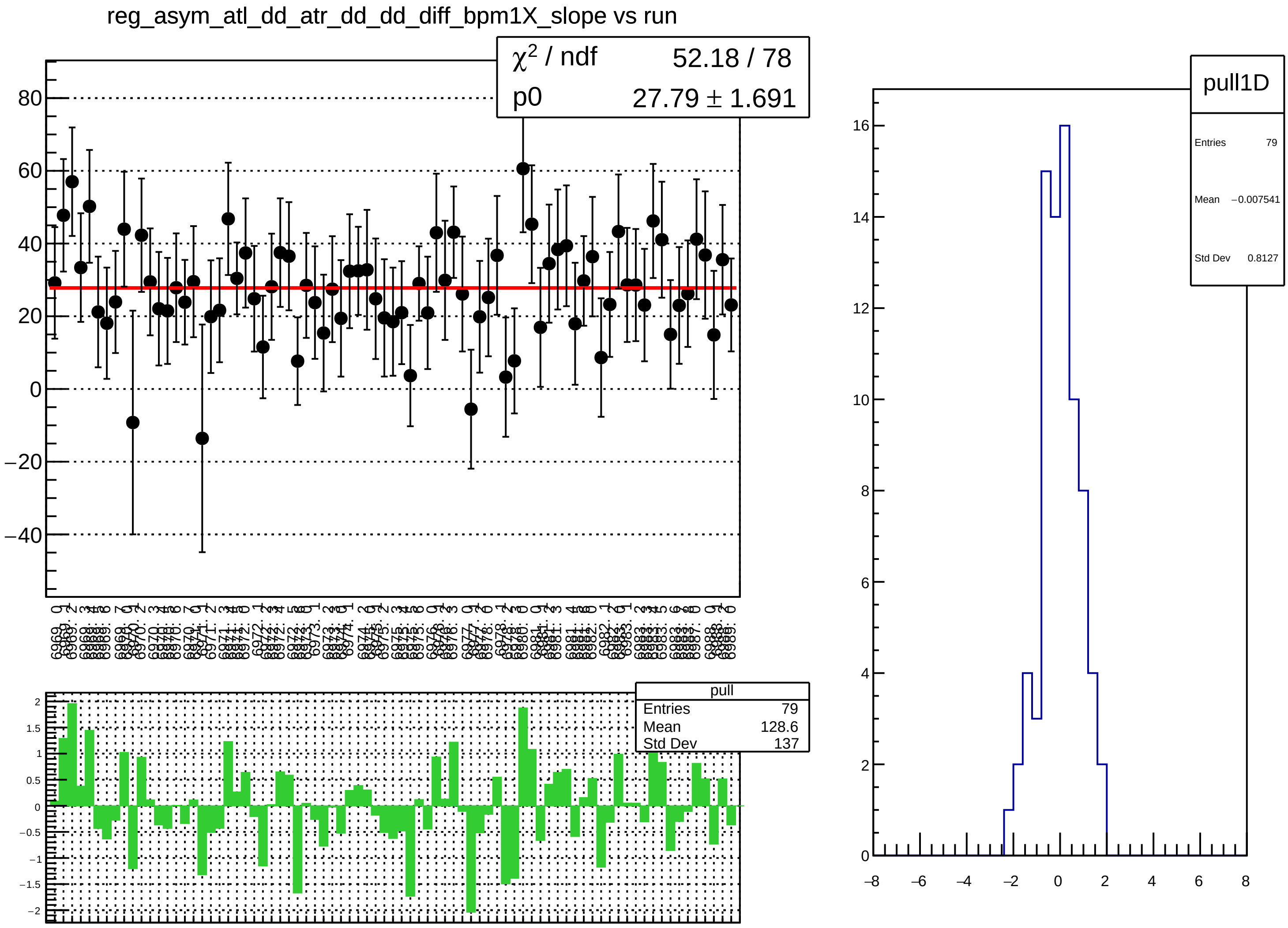
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.11 / 78
p0 −263.2 ± 7.001
−150
−200
−250
−300
−350
−400
pull
Entries 79
Mean 4.24
Std Dev 47.04
1
0.5
0
−0.5
−1
pull1D
Entries 79
Mean −0.0385
Std Dev 0.3556
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

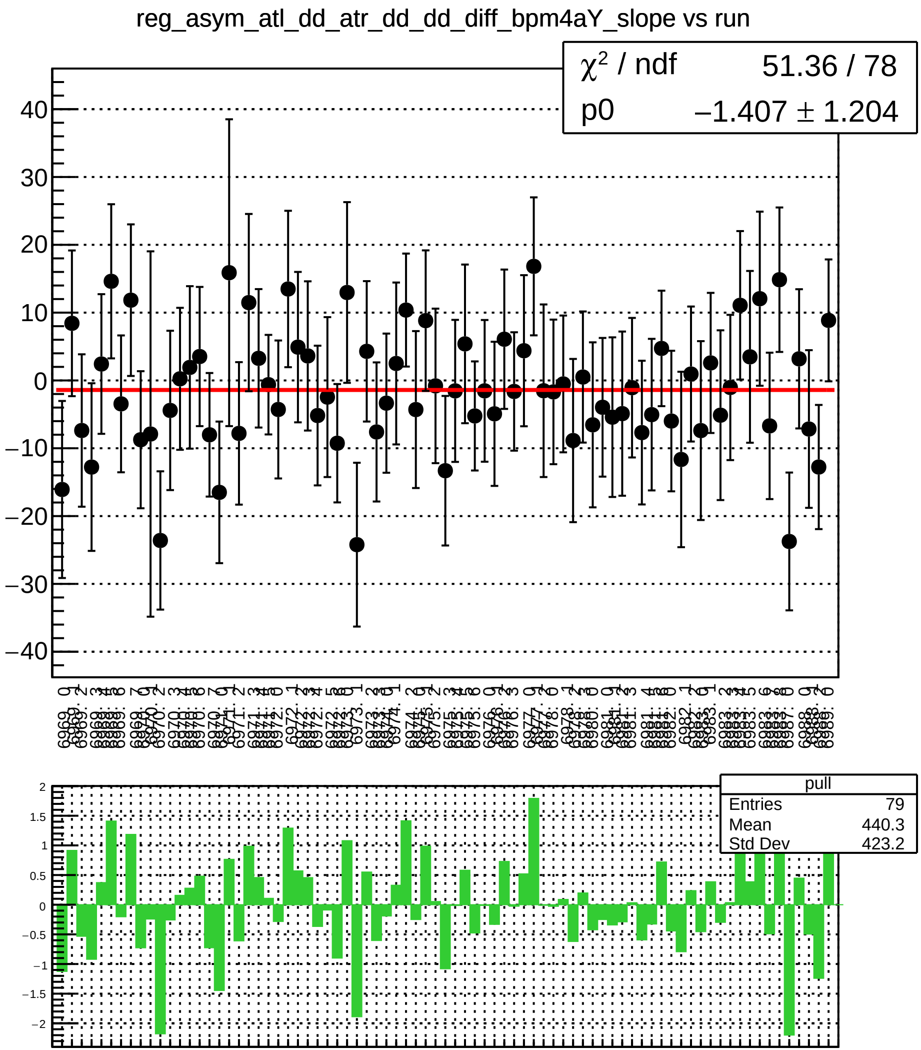


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.95 / 78
p0 −69.52 ± 6.119
pull
Entries 79
Mean 7.804
Std Dev 20.19
pull1D
Entries 79
Mean 0.01157
Std Dev 0.2233

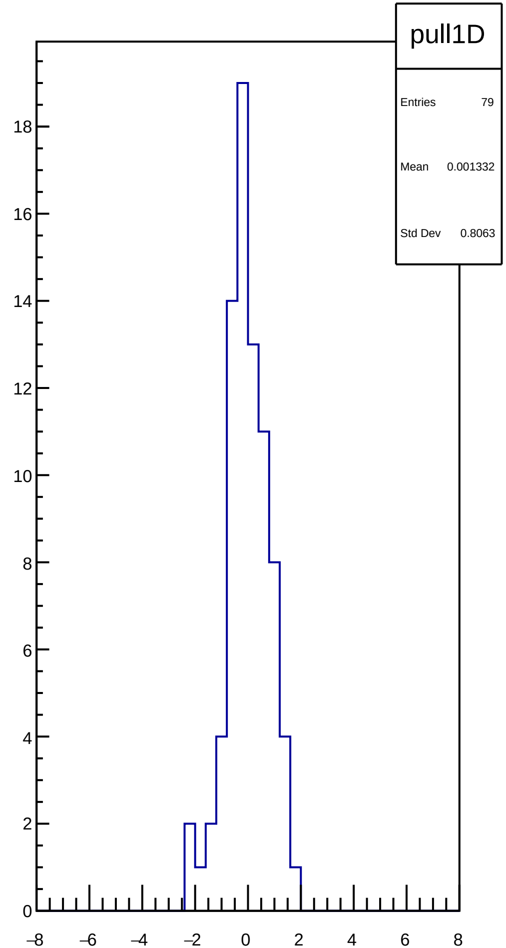


reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 38.16 / 78
p0 129.2 ± 0.2379
pull
Entries 79
Mean −442.1
Std Dev 484.8
pull1D
Entries 79
Mean 0.0248
Std Dev 0.6946

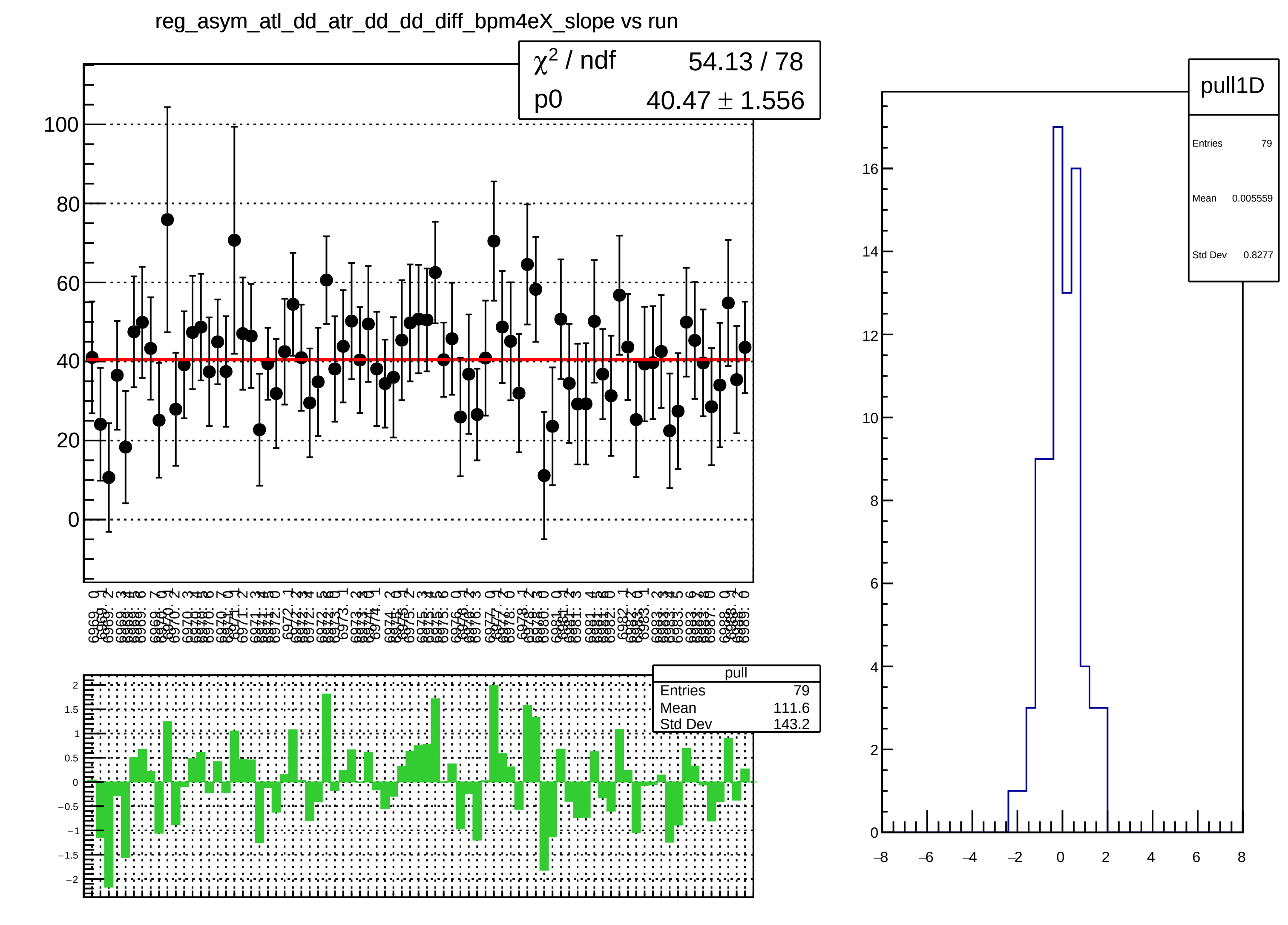

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ^2 / ndf 52.18 / 78
p0 27.79 ± 1.691
pull
Entries 79
Mean 128.6
Std Dev 137
pull1D
Entries 79
Mean −0.007541
Std Dev 0.8127



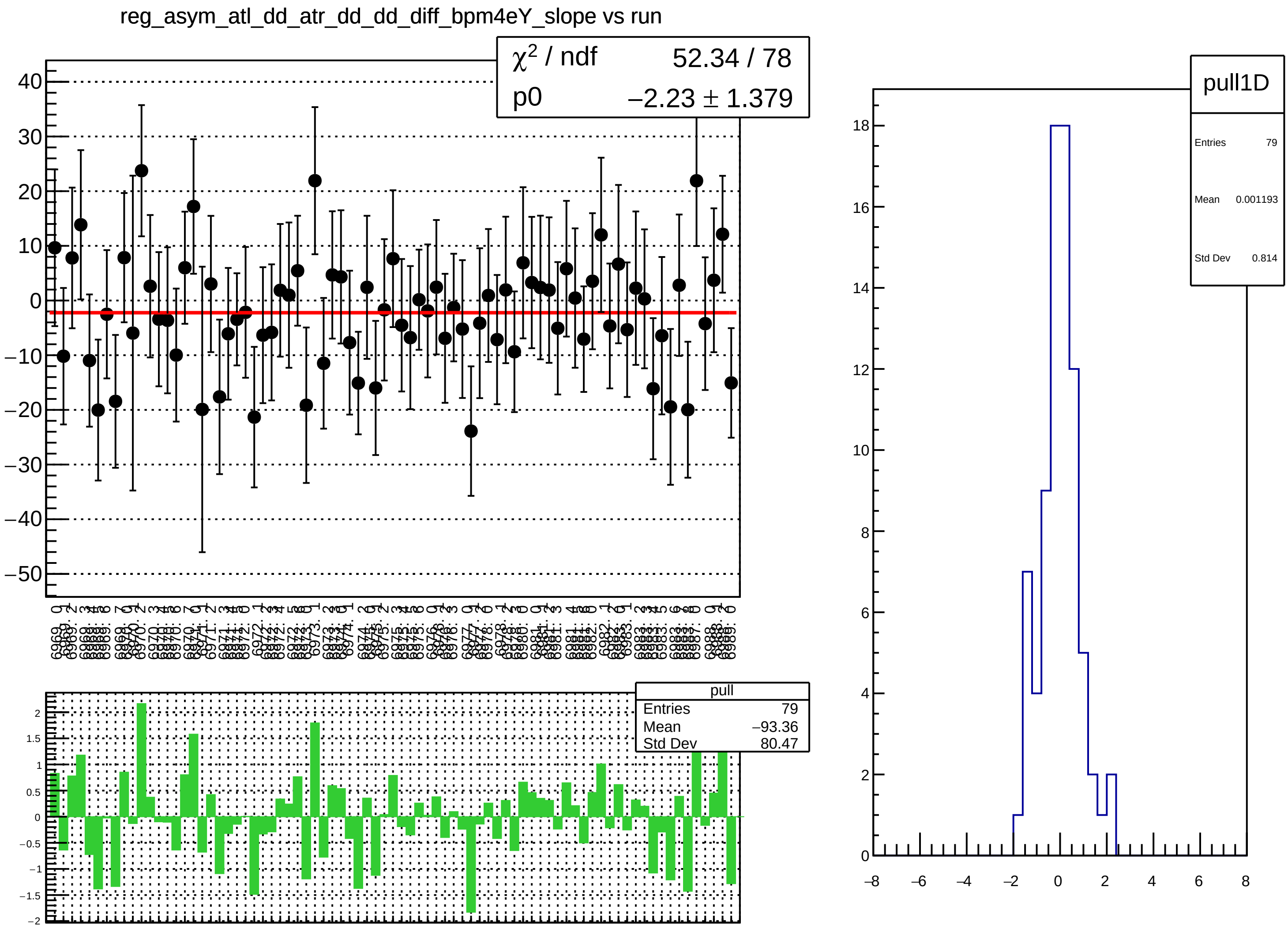
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 51.36 / 78
p0 −1.407 ± 1.204
pull
Entries 79
Mean 440.3
Std Dev 423.2



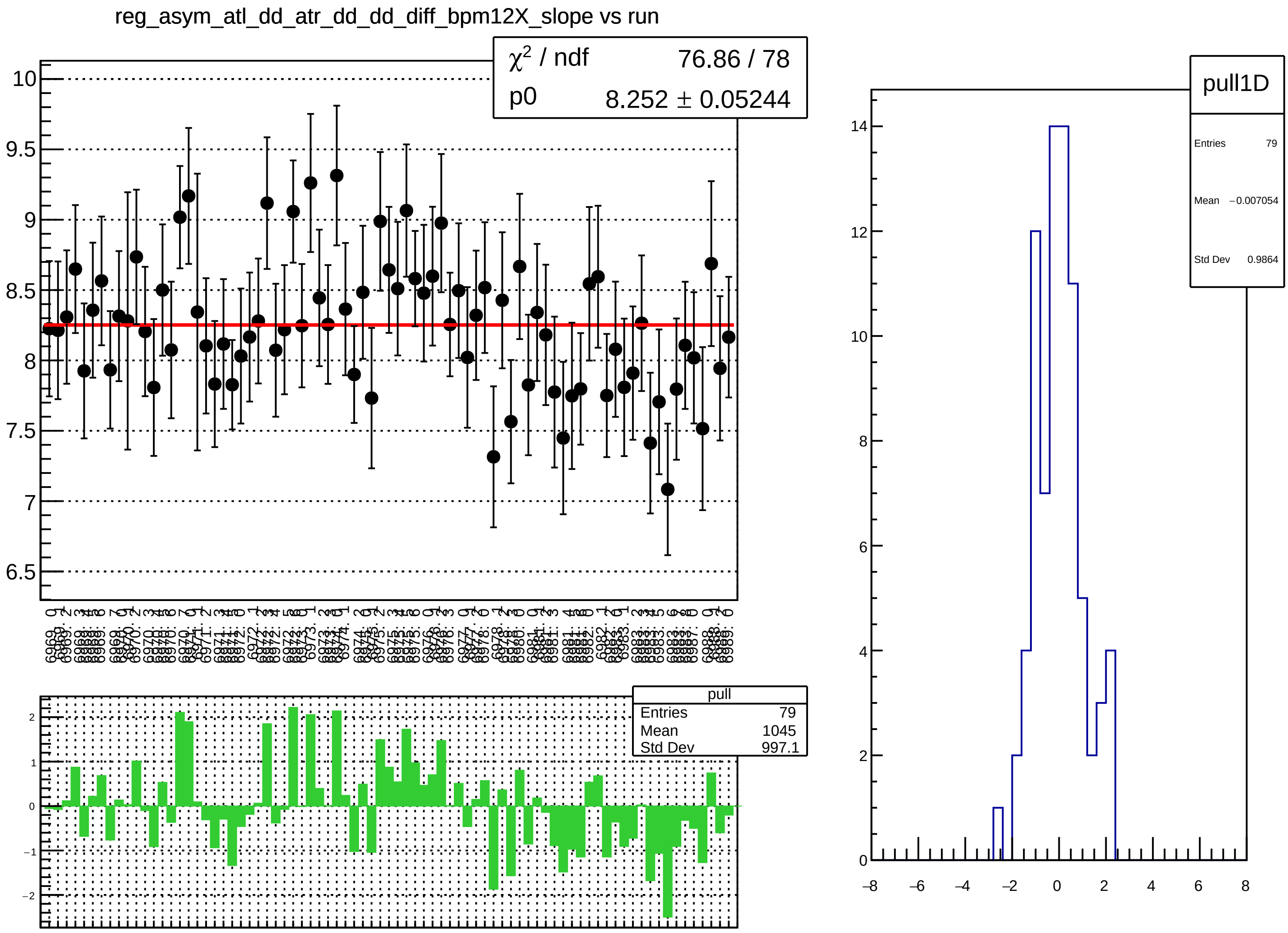
pull1D
Entries 79
Mean 0.001332
Std Dev 0.8063



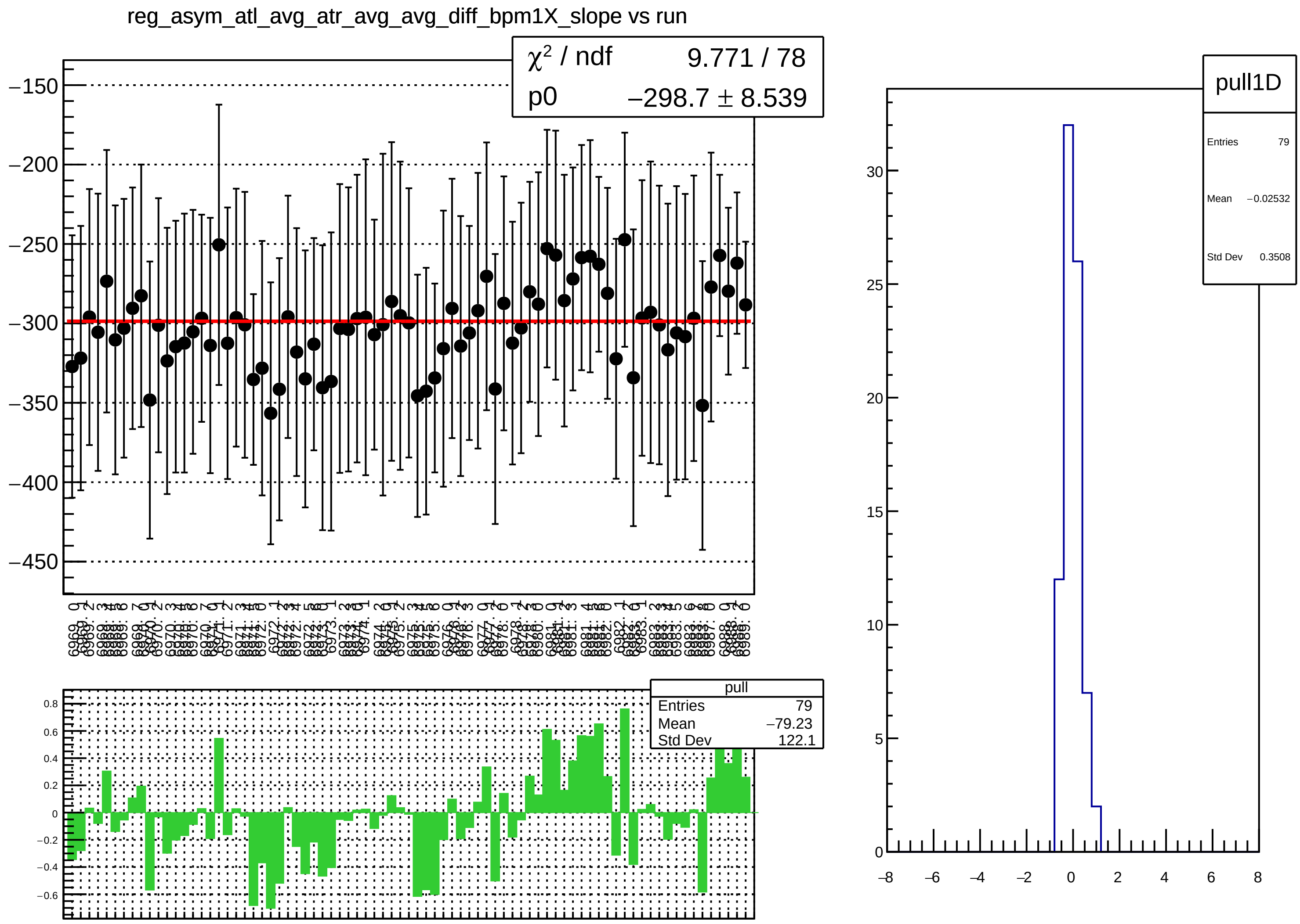
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 54.13 / 78
p0 40.47 ± 1.556
pull
Entries 79
Mean 111.6
Std Dev 143.2
pull1D
Entries 79
Mean 0.005559
Std Dev 0.8277

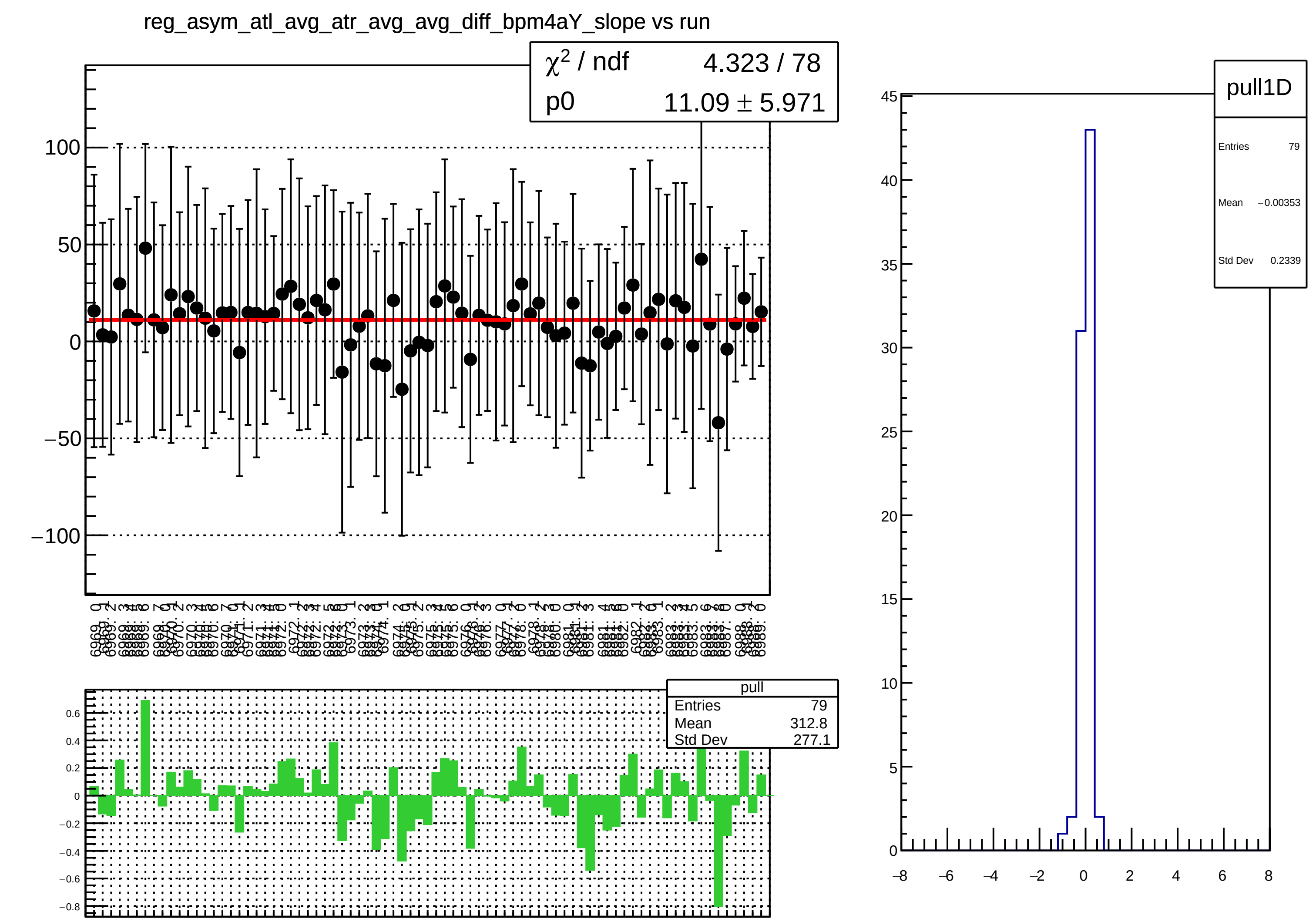


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 52.34 / 78
p0 −2.23 ± 1.379
pull
Entries 79
Mean −93.36
Std Dev 80.47
pull1D
Entries 79
Mean 0.001193
Std Dev 0.814



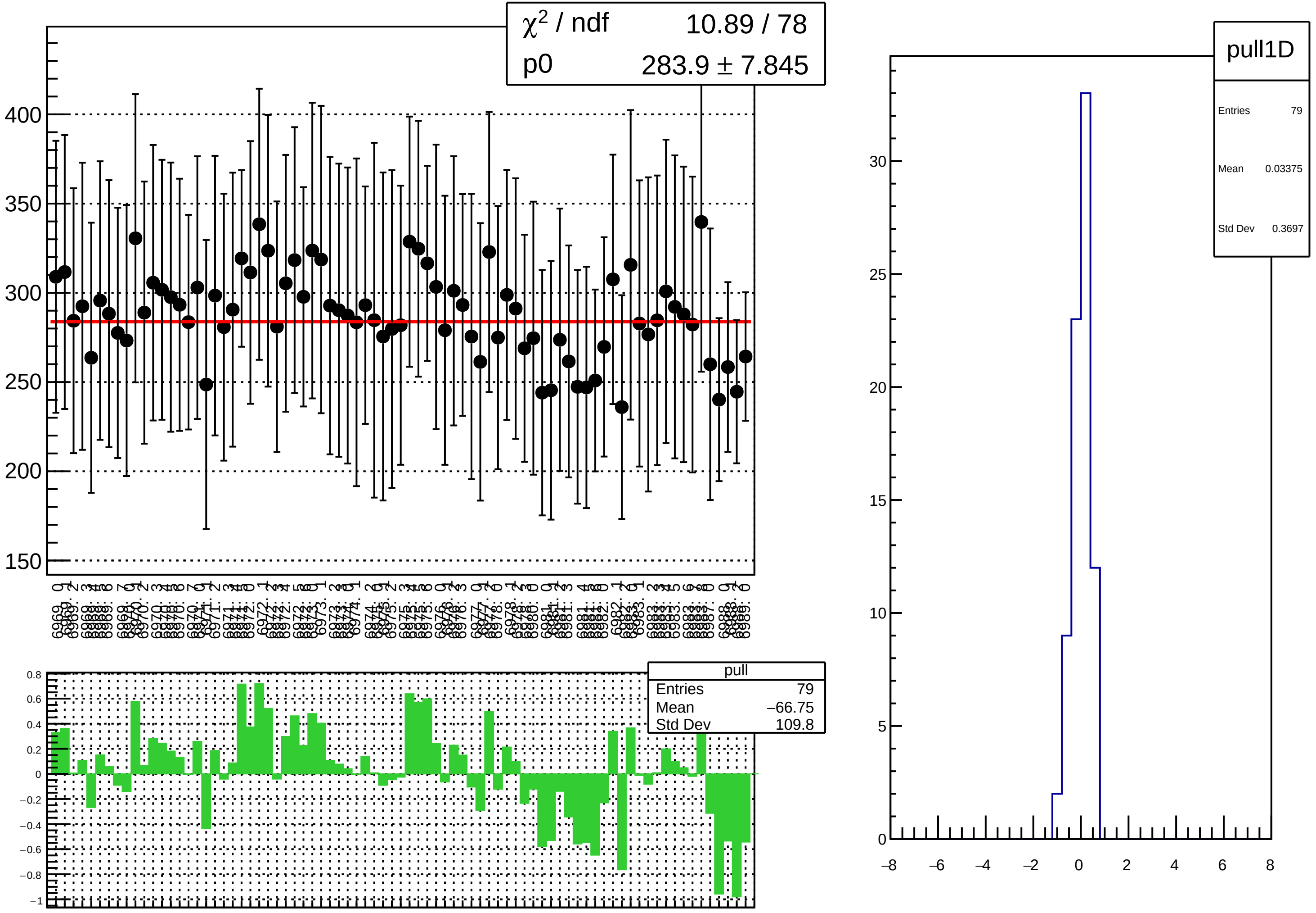
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ2 / ndf 76.86 / 78
p0 8.252 ± 0.05244
pull
Entries 79
Mean 1045
Std Dev 997.1
pull1D
Entries 79
Mean −0.007054
Std Dev 0.9864

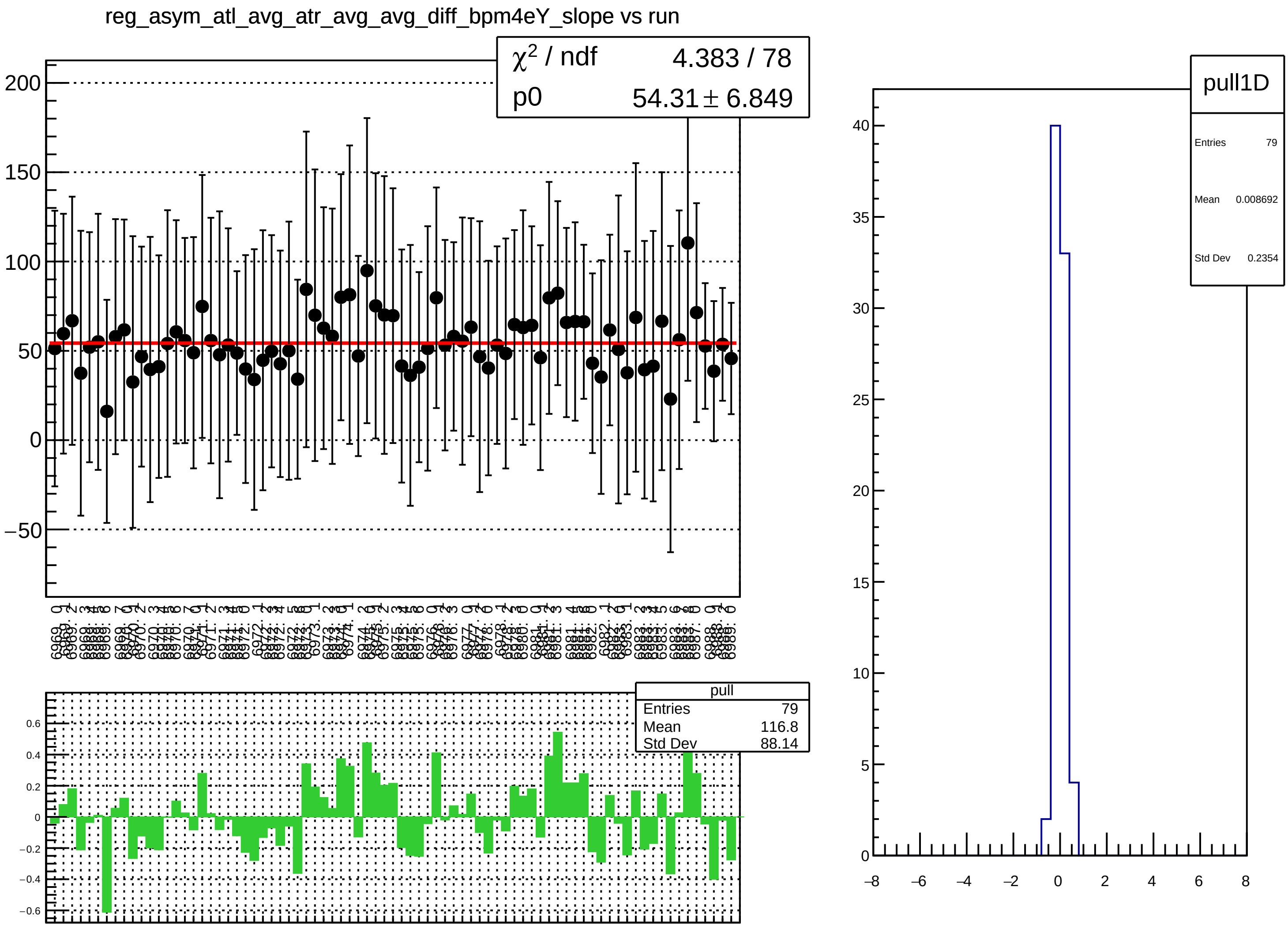

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.771 / 78
p0 −298.7 ± 8.539
−150
−200
−250
−300
−350
−400
−450
pull
Entries 79
Mean −79.23
Std Dev 122.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 79
Mean −0.02532
Std Dev 0.3508
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



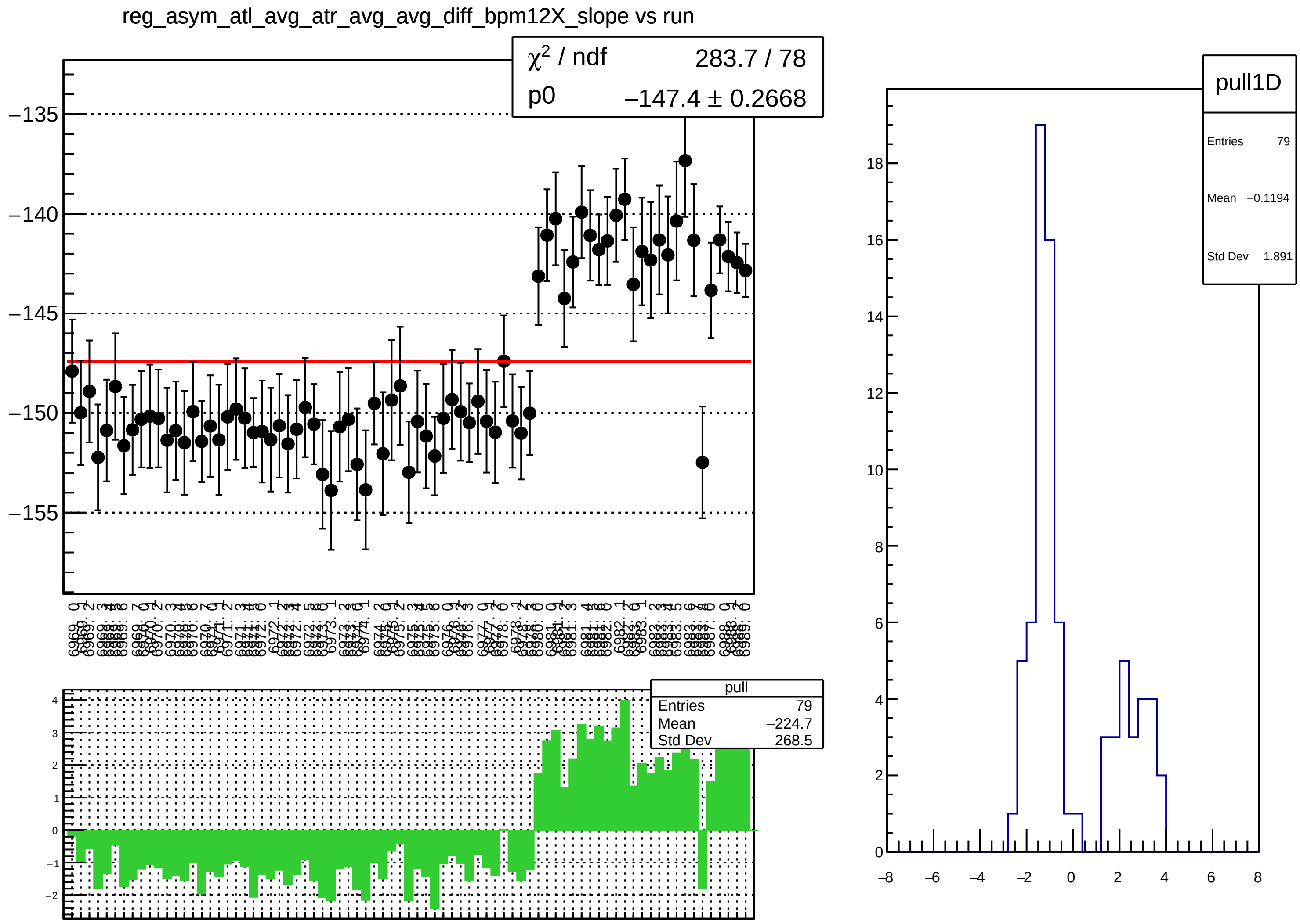
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.323 / 78
p0 11.09 ± 5.971
pull
Entries 79
Mean 312.8
Std Dev 277.1
pull1D
Entries 79
Mean −0.00353
Std Dev 0.2339

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run

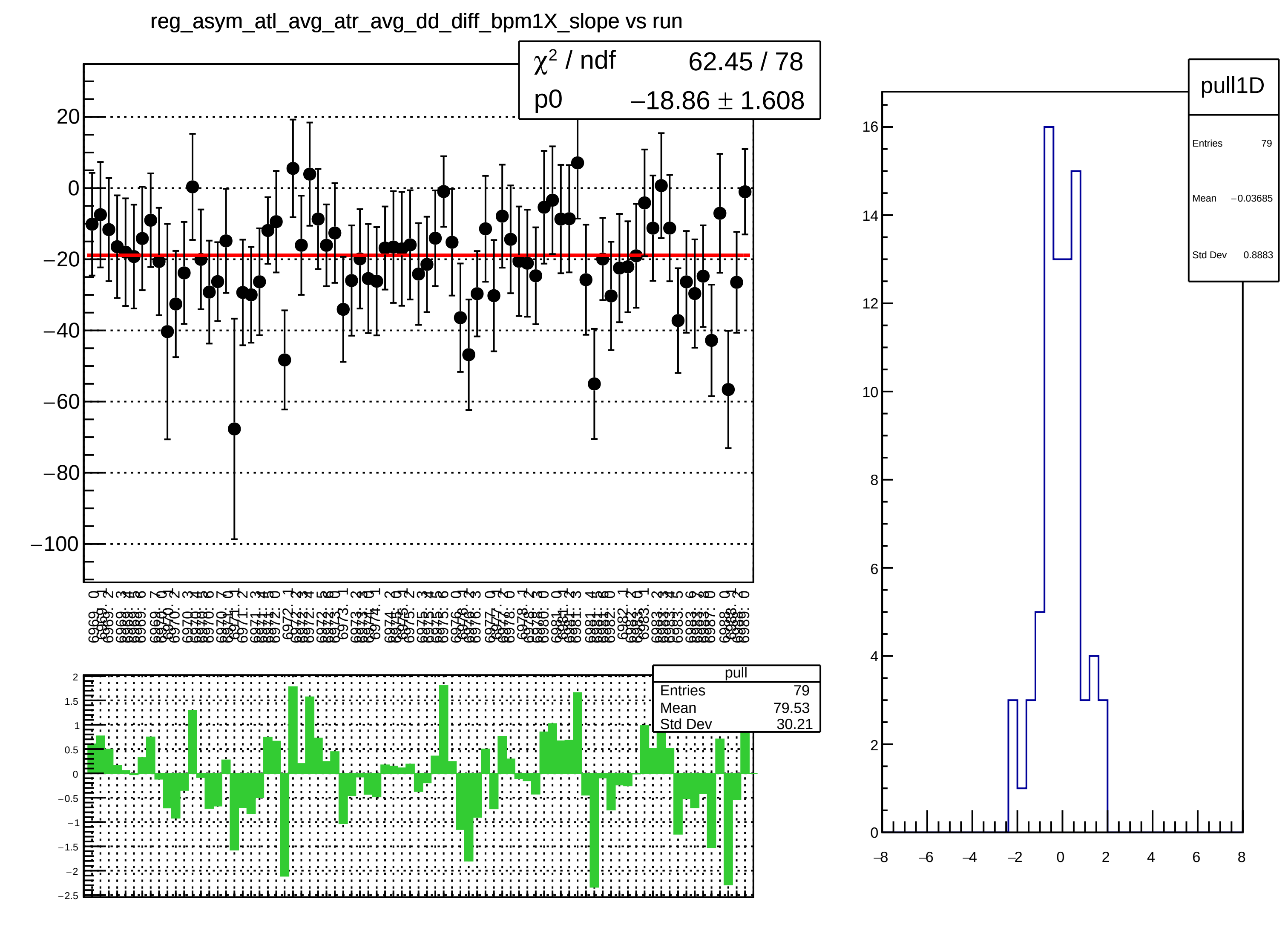




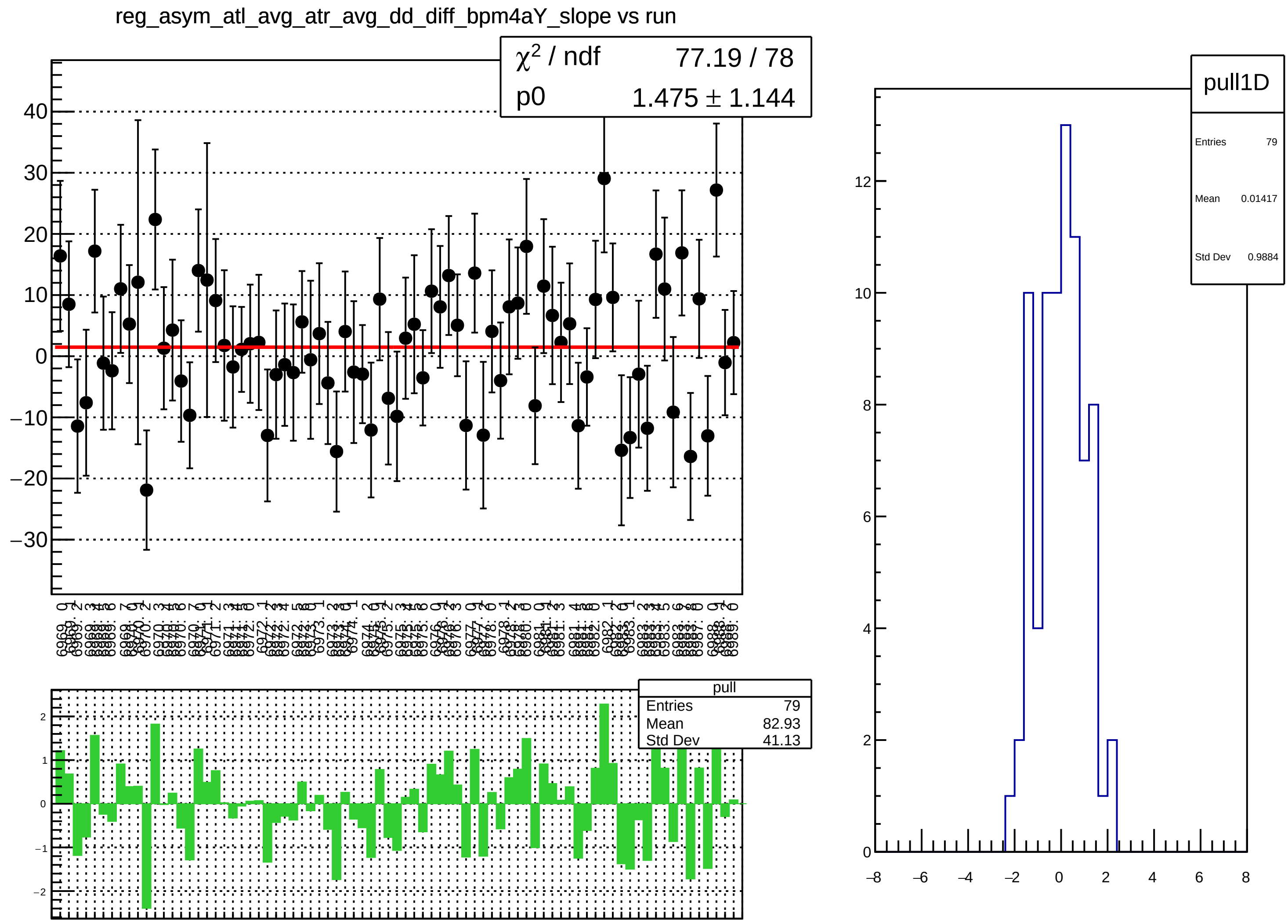
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.383 / 78
p0 54.31 ± 6.849
pull
Entries 79
Mean 116.8
Std Dev 88.14
pull1D
Entries 79
Mean 0.008692
Std Dev 0.2354



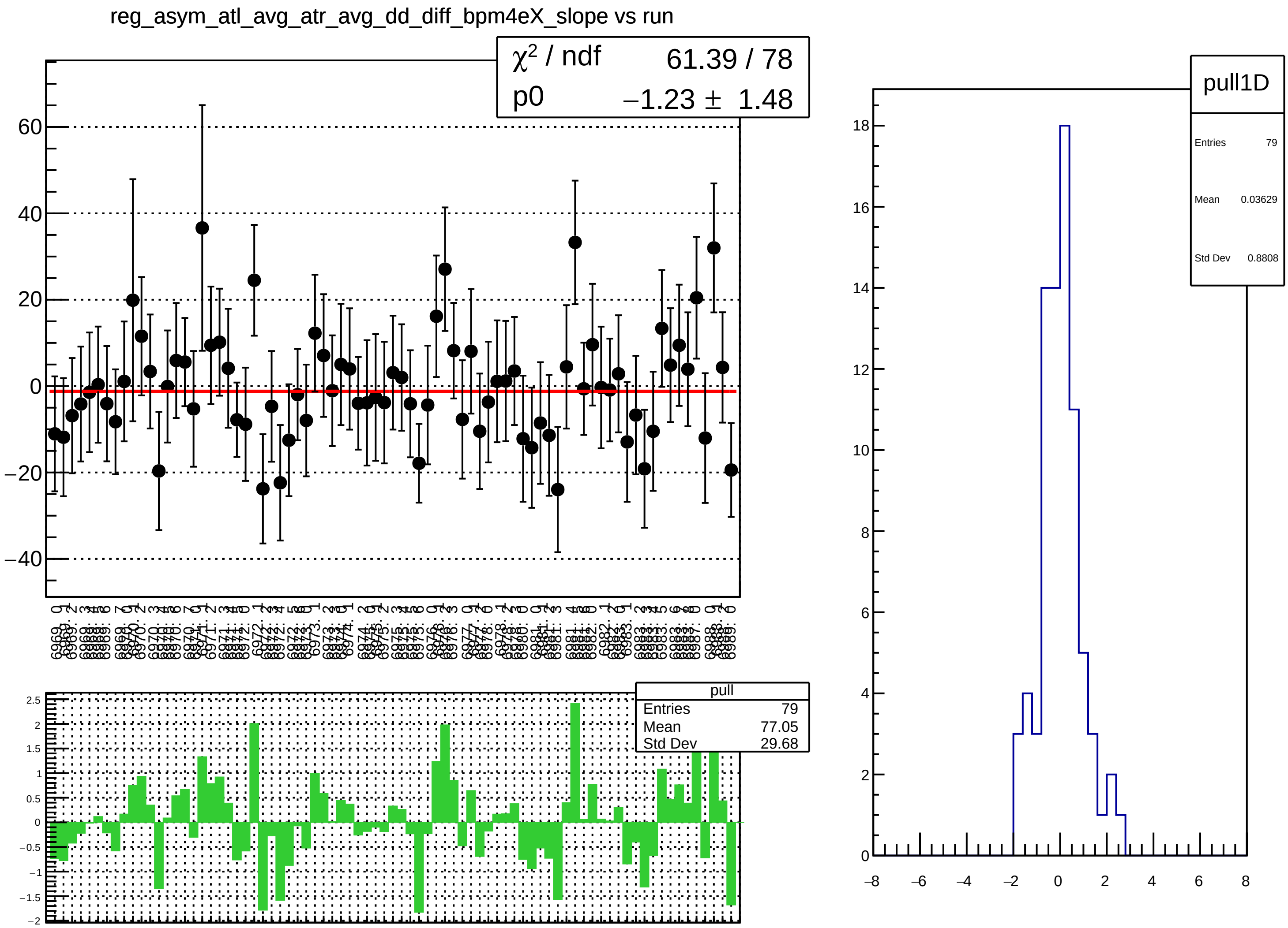
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ2 / ndf 283.7 / 78
p0 −147.4 ± 0.2668
pull
Entries 79
Mean −224.7
Std Dev 268.5
pull1D
Entries 79
Mean −0.1194
Std Dev 1.891



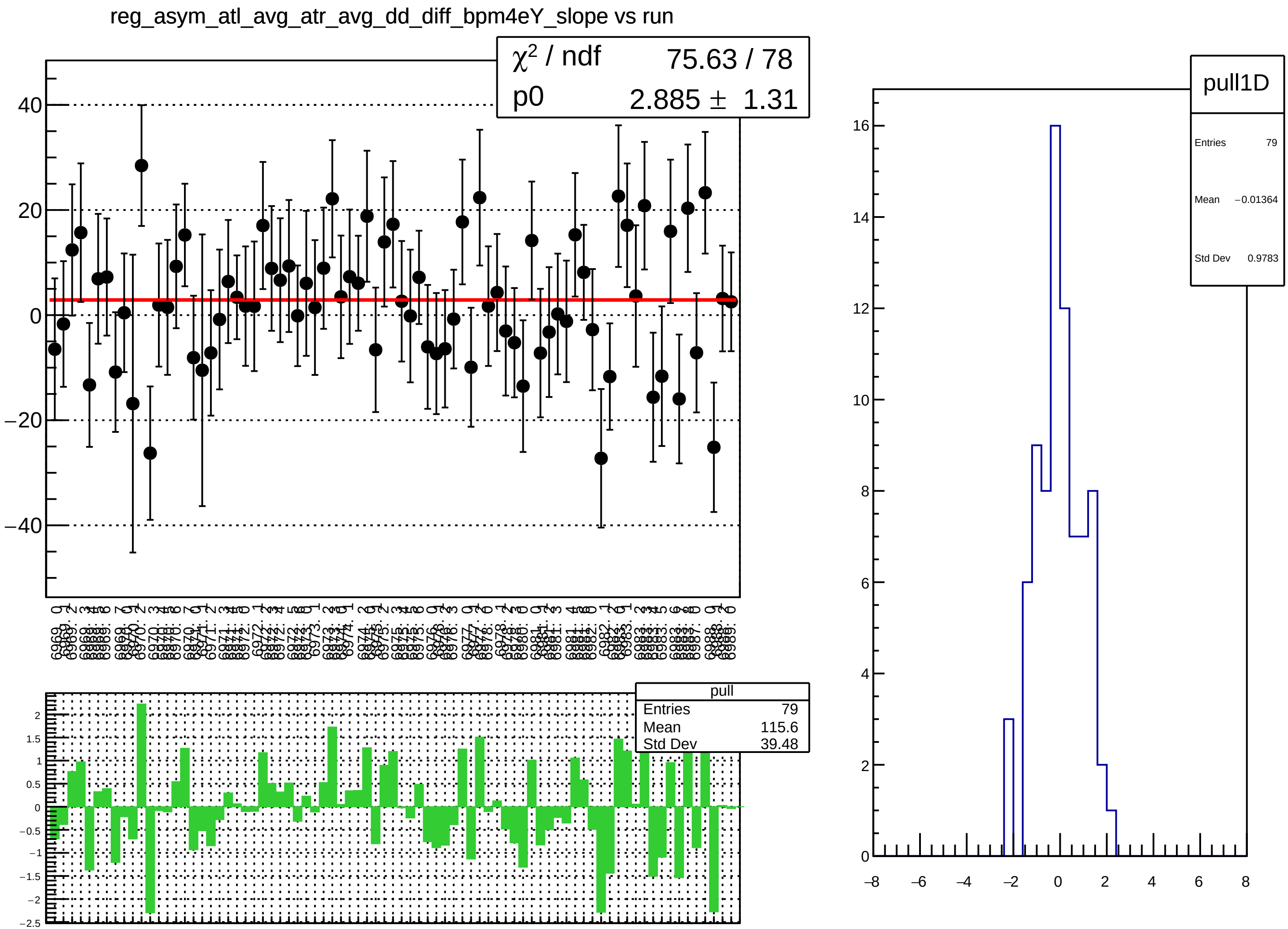
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ2 / ndf 62.45 / 78
p0 −18.86 ± 1.608
pull
Entries 79
Mean 79.53
Std Dev 30.21
pull1D
Entries 79
Mean −0.03685
Std Dev 0.8883



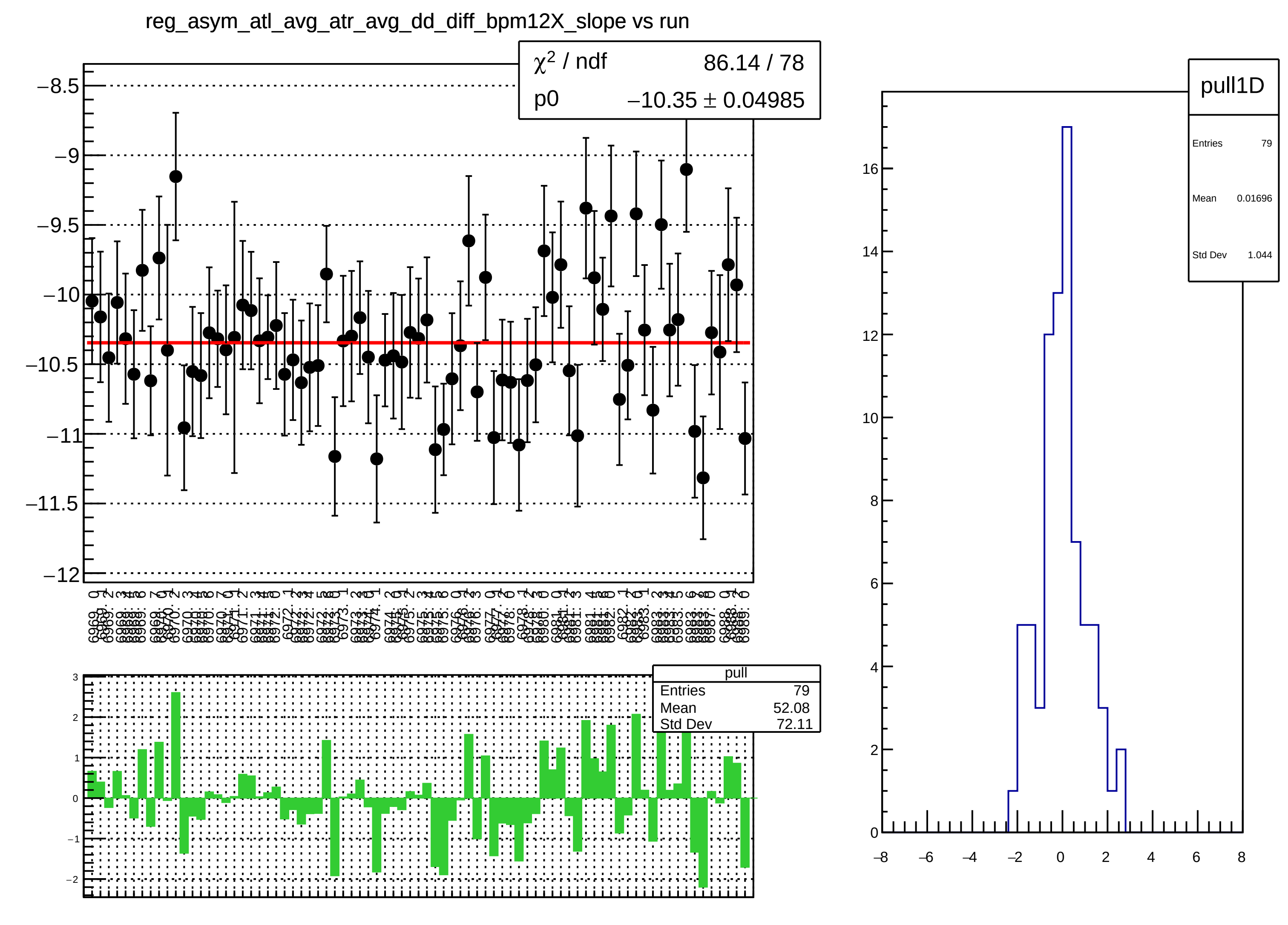
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 77.19 / 78
p0 1.475 ± 1.144
pull
Entries 79
Mean 82.93
Std Dev 41.13
pull1D
Entries 79
Mean 0.01417
Std Dev 0.9884



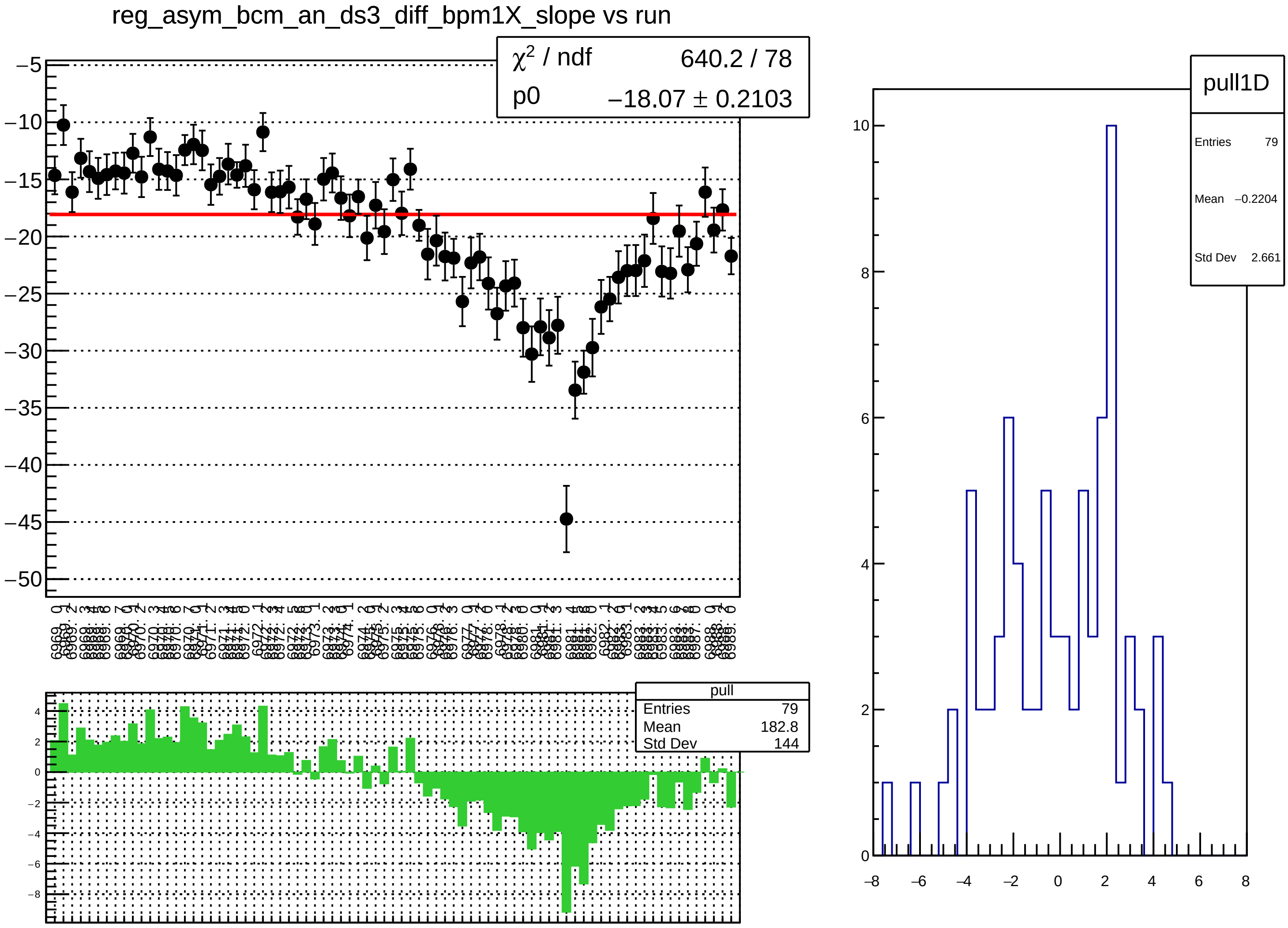
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 61.39 / 78
p0 −1.23 ± 1.48
pull
Entries 79
Mean 77.05
Std Dev 29.68
pull1D
Entries 79
Mean 0.03629
Std Dev 0.8808

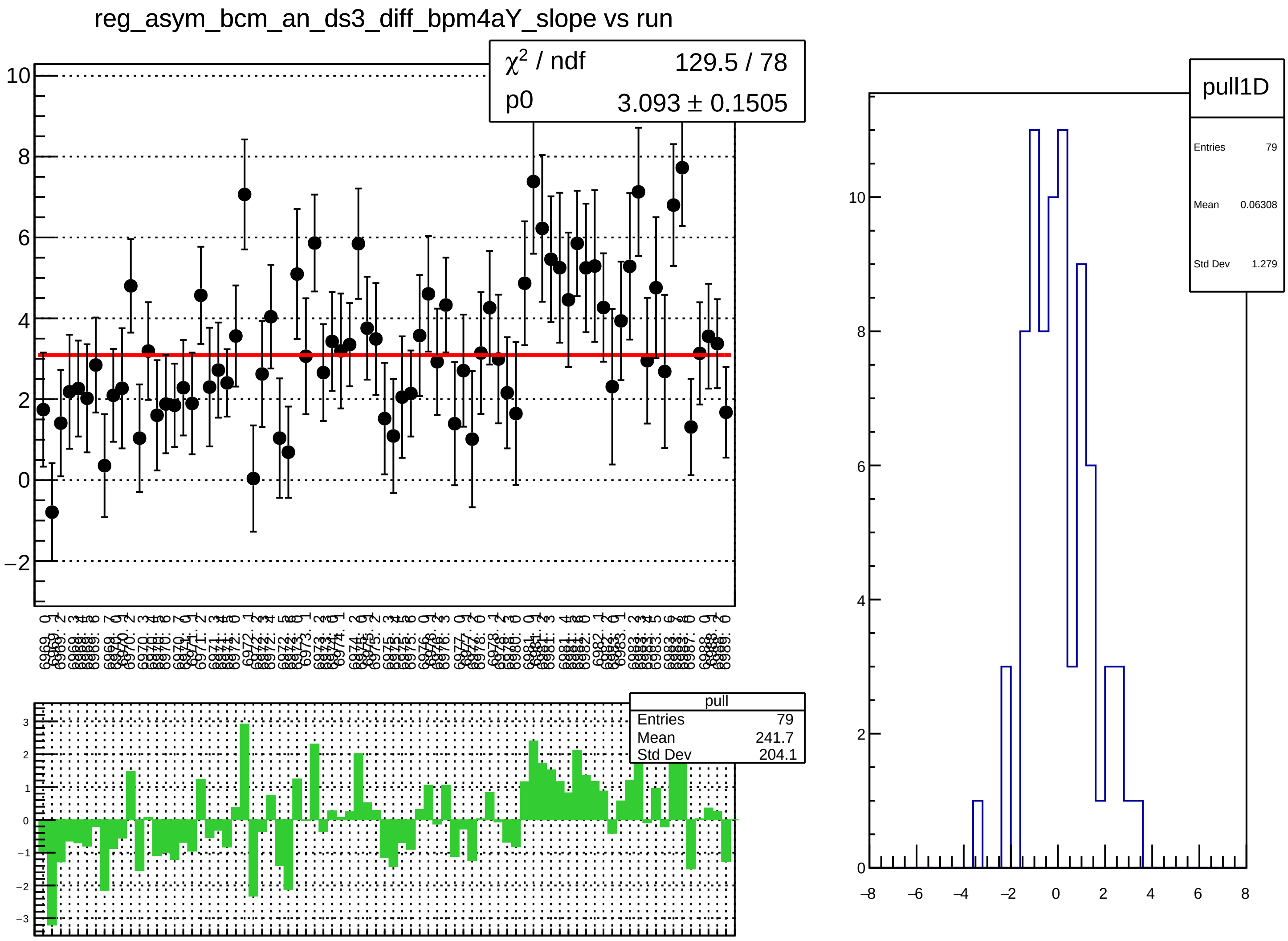


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 75.63 / 78
p0 2.885 ± 1.31
pull
Entries 79
Mean 115.6
Std Dev 39.48
pull1D
Entries 79
Mean −0.01364
Std Dev 0.9783

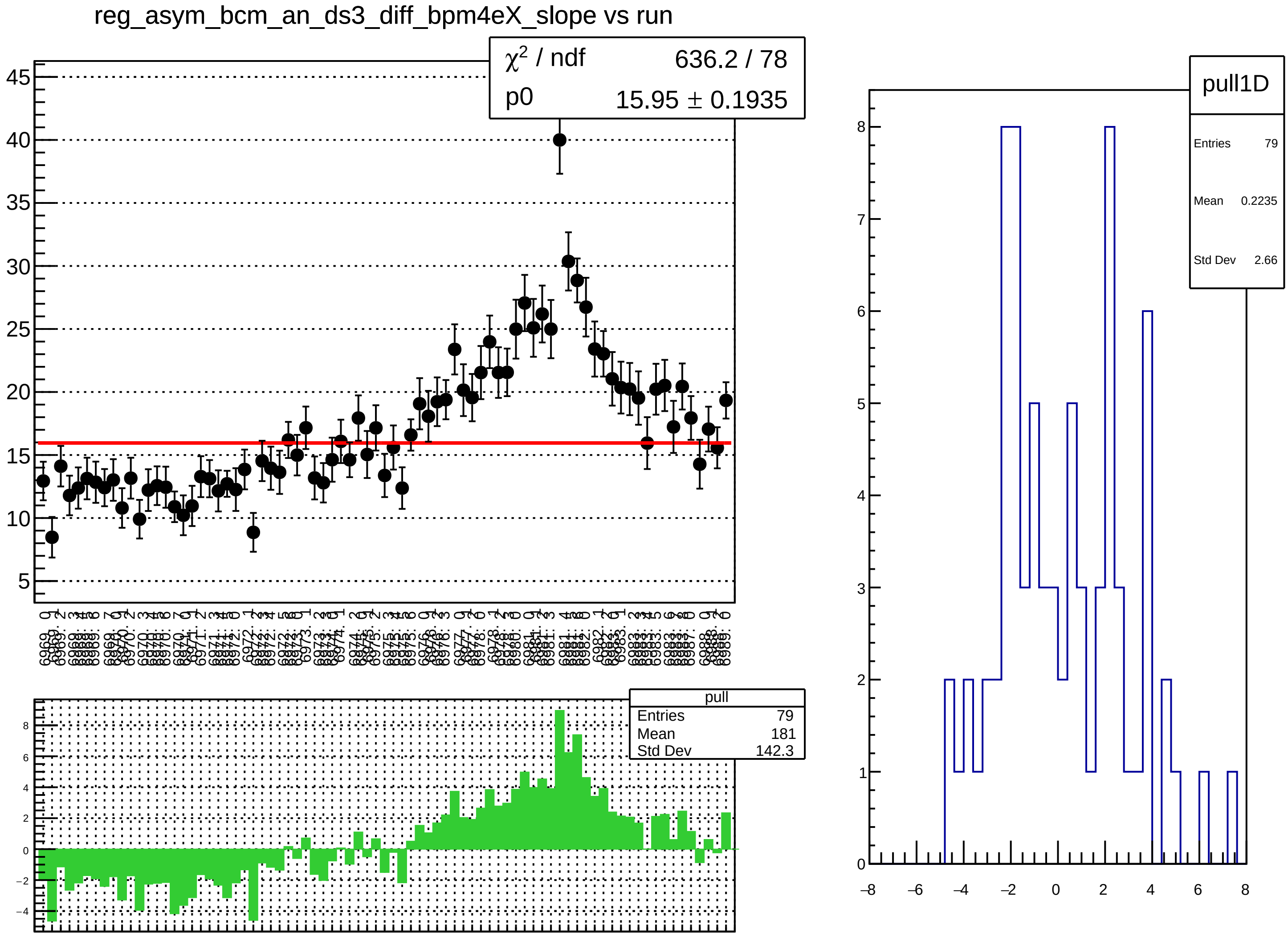


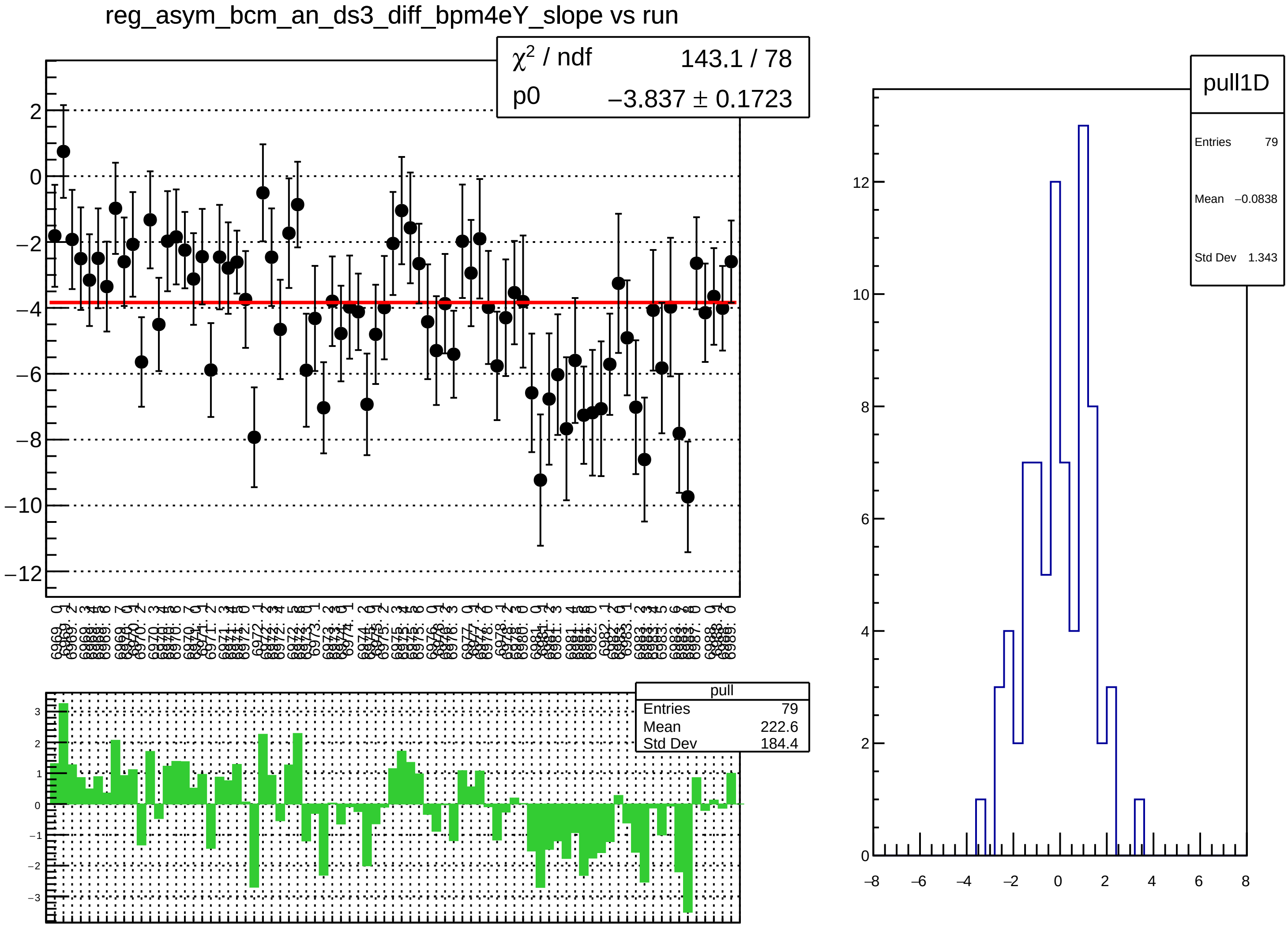
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 86.14 / 78
p0 −10.35 ± 0.04985
pull
Entries 79
Mean 52.08
Std Dev 72.11
pull1D
Entries 79
Mean 0.01696
Std Dev 1.044


reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 640.2 / 78
p0 −18.07 ± 0.2103
pull
Entries 79
Mean 182.8
Std Dev 144
pull1D
Entries 79
Mean −0.2204
Std Dev 2.661

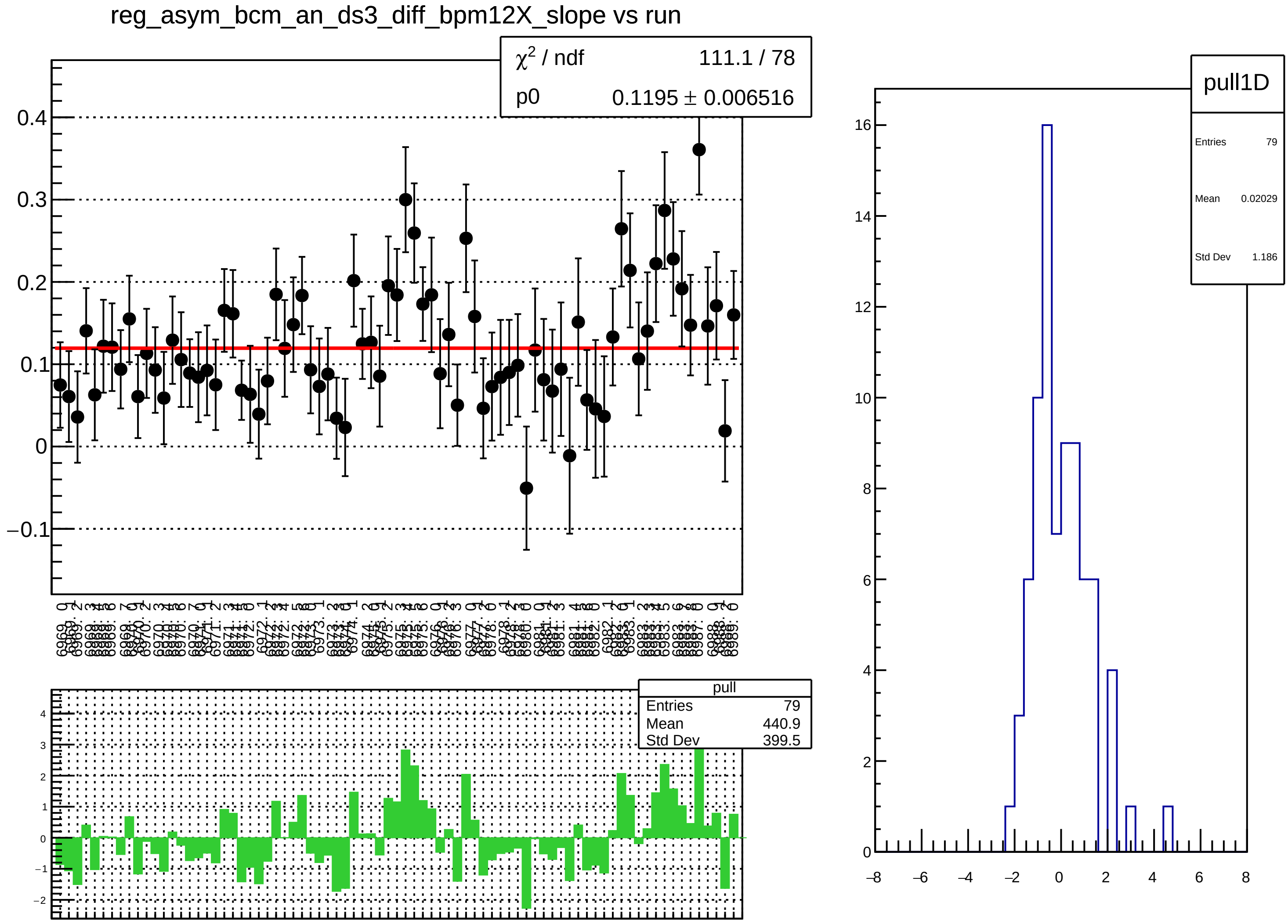


reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 129.5 / 78
p0 3.093 ± 0.1505
pull
Entries 79
Mean 241.7
Std Dev 204.1
pull1D
Entries 79
Mean 0.06308
Std Dev 1.279

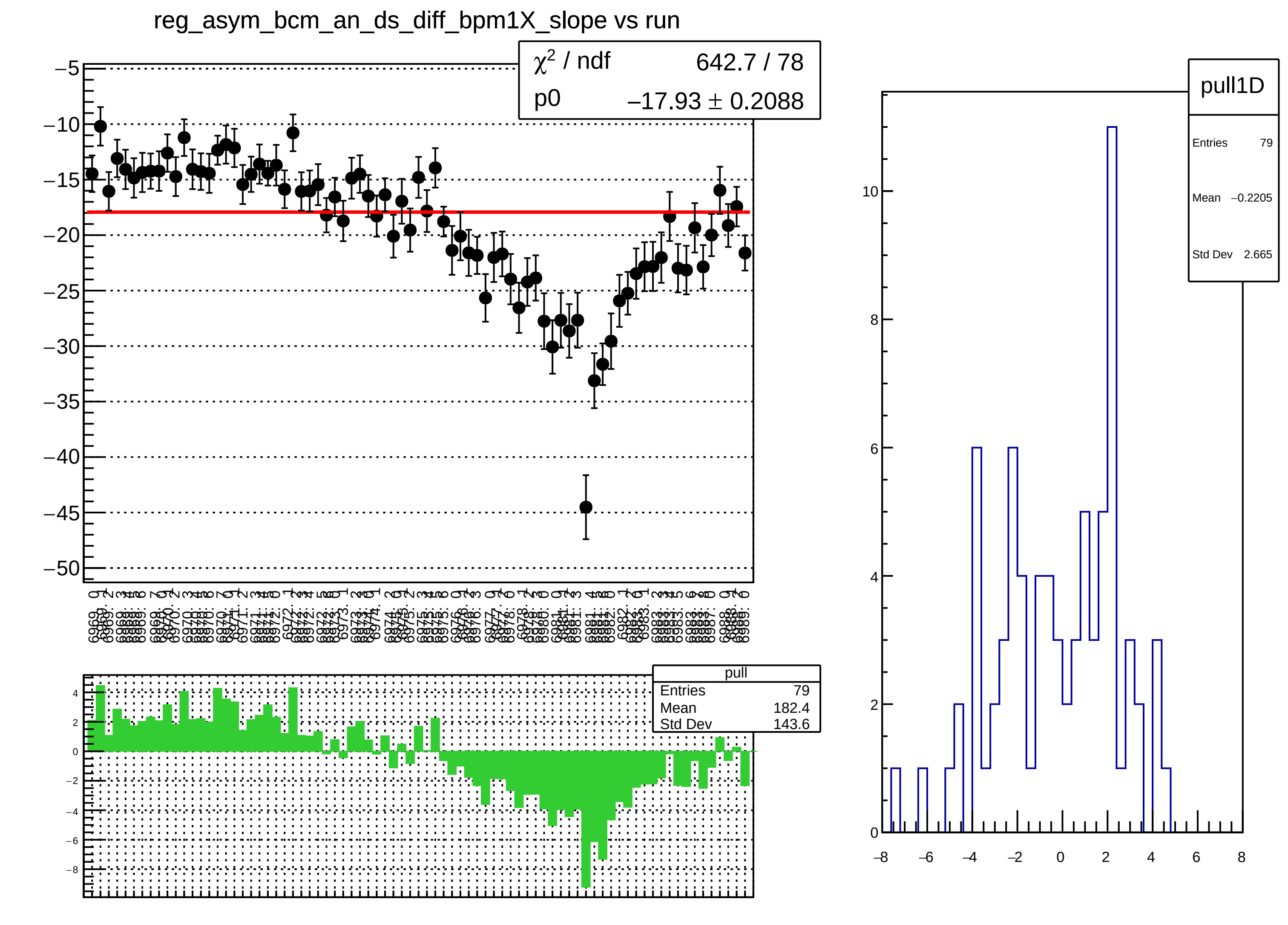

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ^2 / ndf 636.2 / 78
p0 15.95 ± 0.1935
pull
Entries 79
Mean 181
Std Dev 142.3
pull1D
Entries 79
Mean 0.2235
Std Dev 2.66



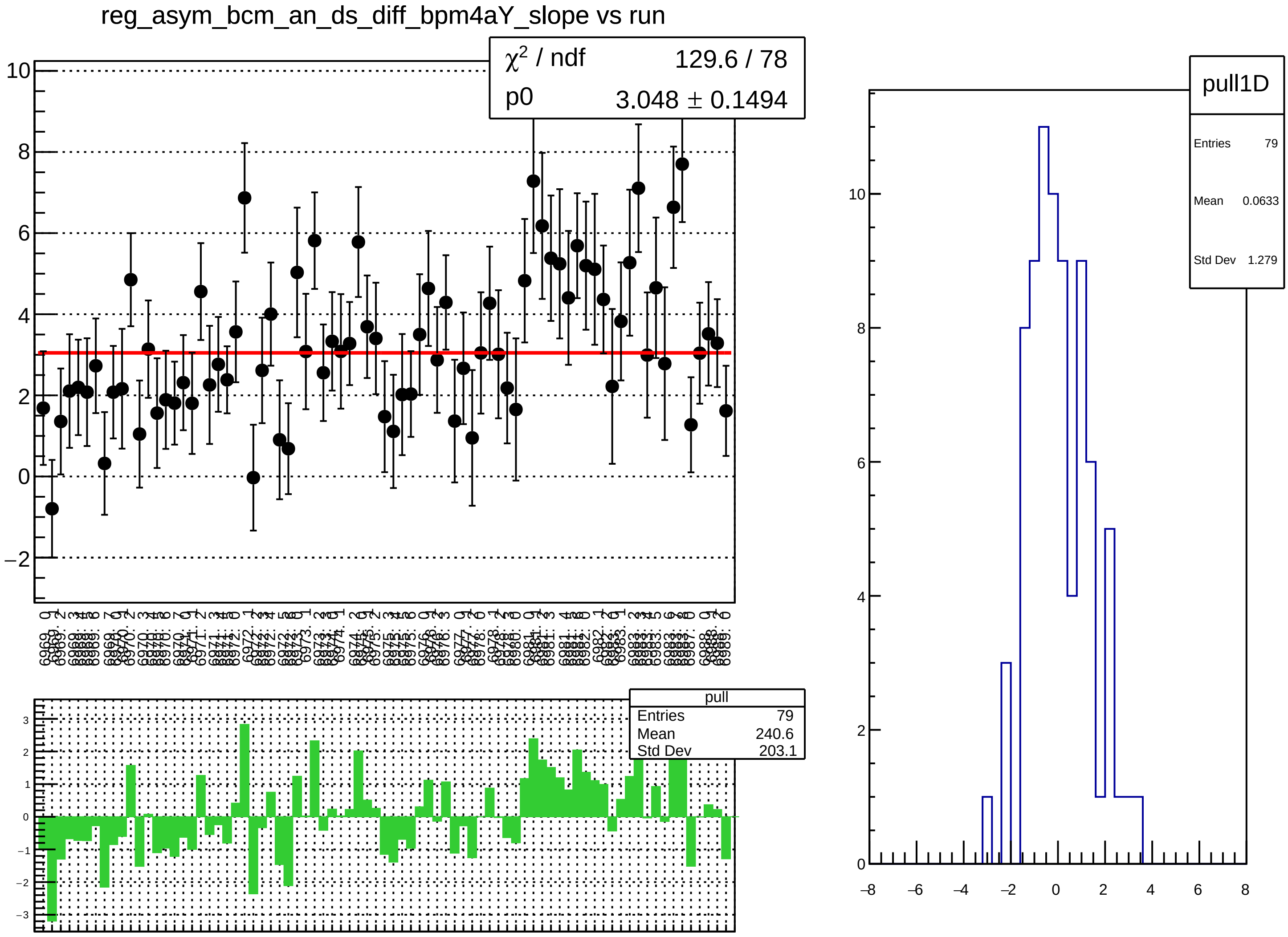
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 143.1 / 78
p0 −3.837 ± 0.1723
pull
Entries 79
Mean 222.6
Std Dev 184.4
pull1D
Entries 79
Mean −0.0838
Std Dev 1.343



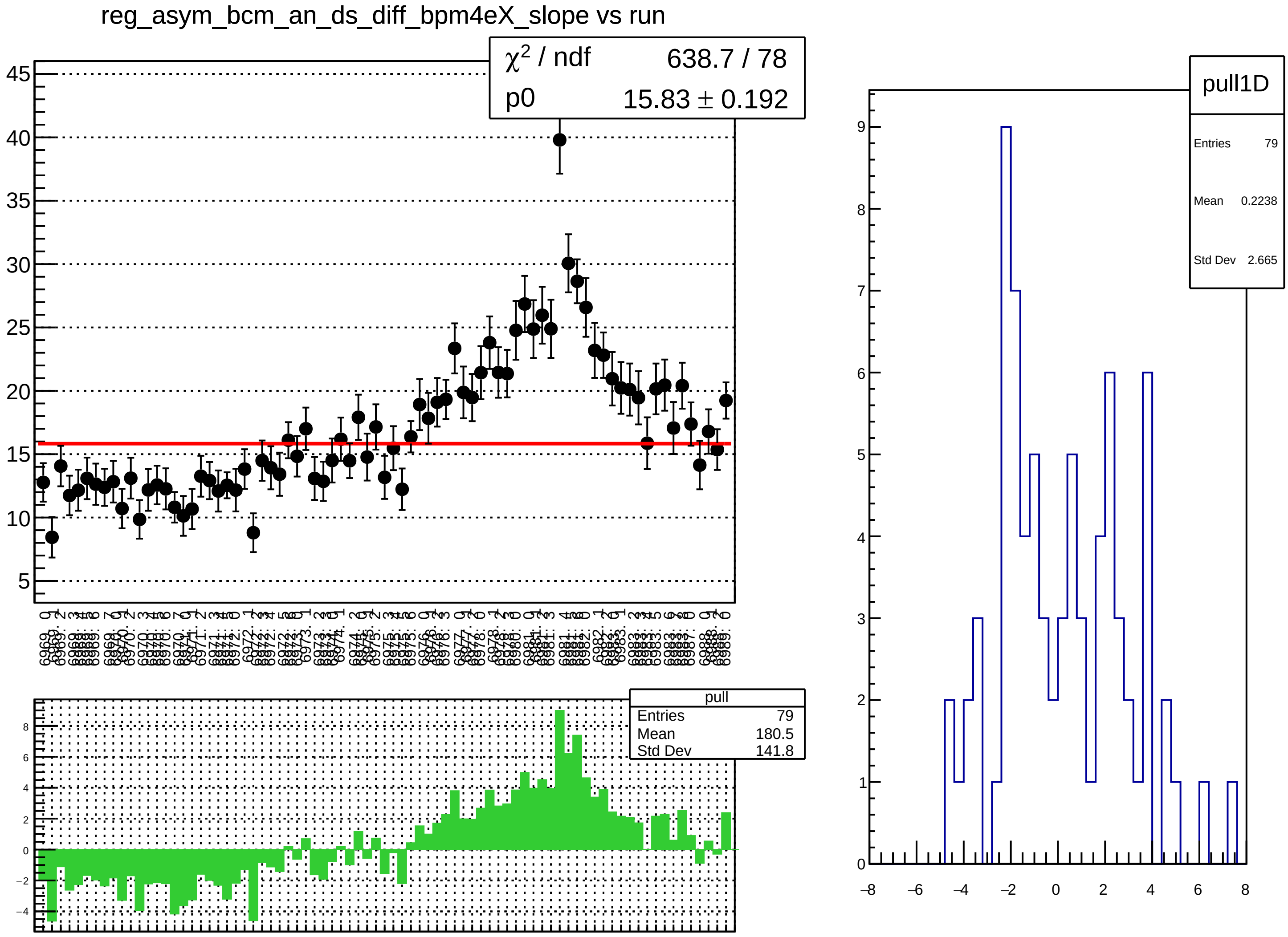
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ^2 / ndf 111.1 / 78
p0 0.1195 ± 0.006516
pull
Entries 79
Mean 440.9
Std Dev 399.5
pull1D
Entries 79
Mean 0.02029
Std Dev 1.186



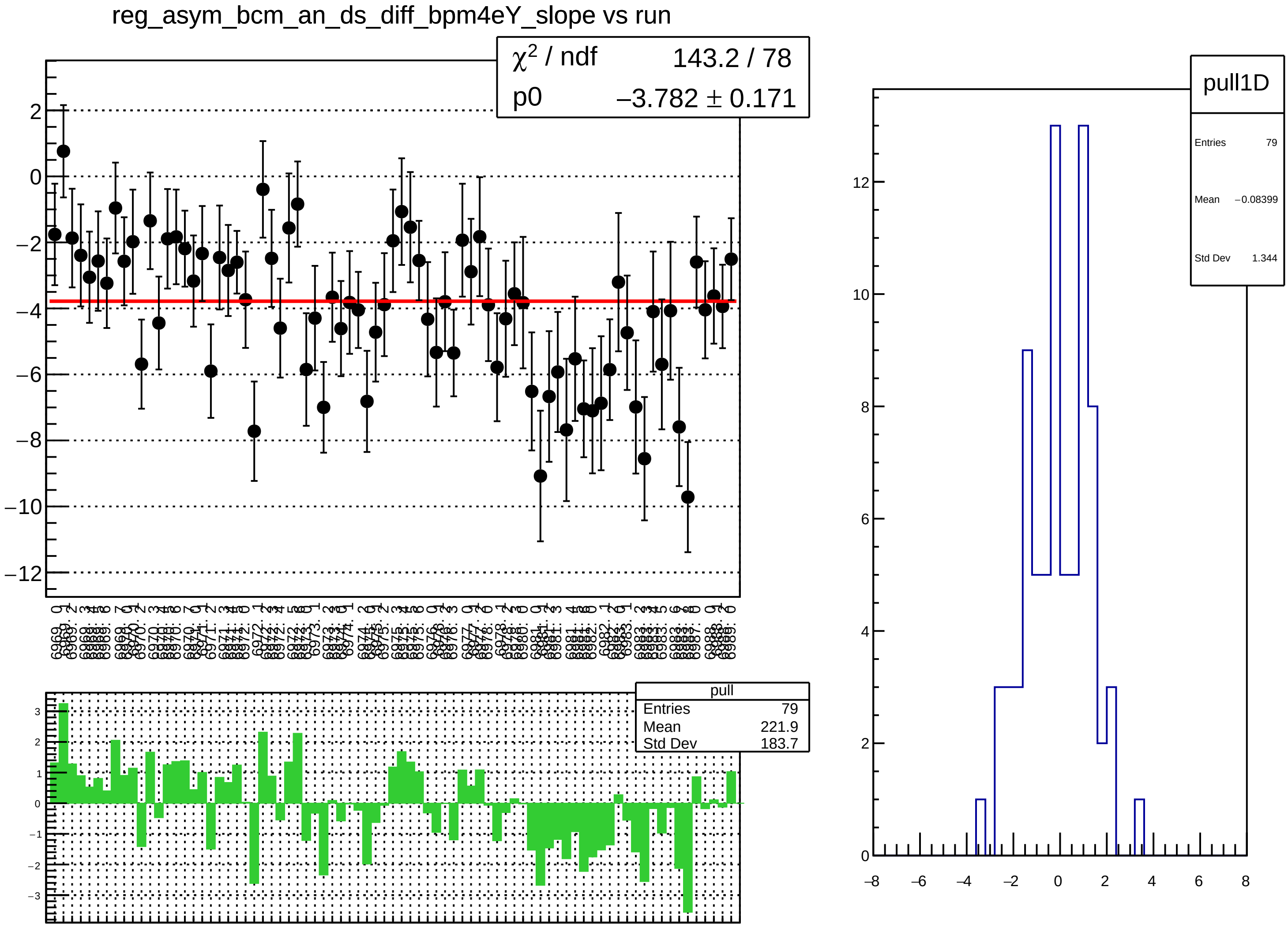
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 642.7 / 78
p0 −17.93 ± 0.2088
pull
Entries 79
Mean 182.4
Std Dev 143.6
pull1D
Entries 79
Mean −0.2205
Std Dev 2.665

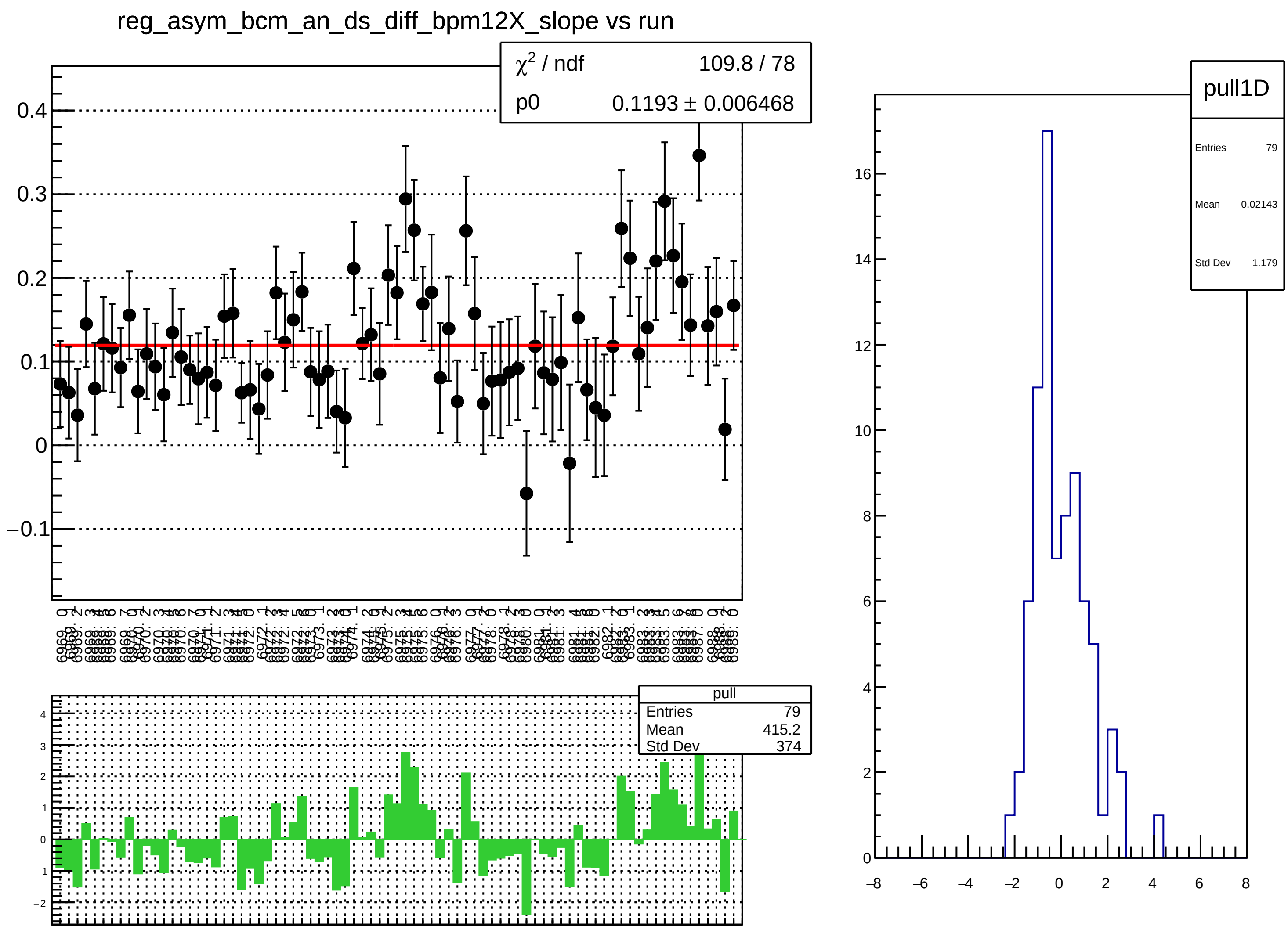


reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 129.6 / 78
p0 3.048 ± 0.1494
pull
Entries 79
Mean 240.6
Std Dev 203.1
pull1D
Entries 79
Mean 0.0633
Std Dev 1.279

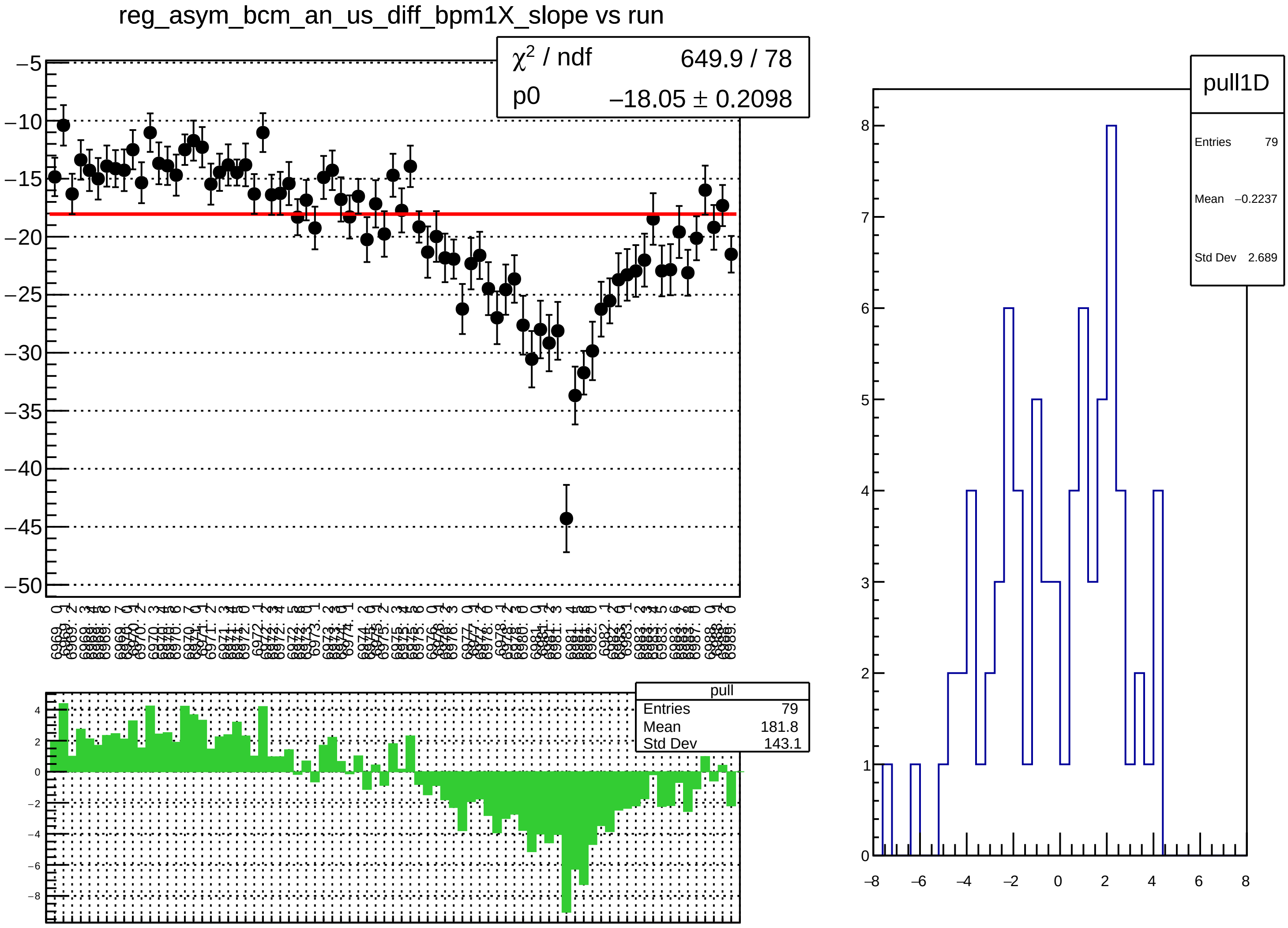


reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 638.7 / 78
p0 15.83 ± 0.192
pull
Entries 79
Mean 180.5
Std Dev 141.8
pull1D
Entries 79
Mean 0.2238
Std Dev 2.665

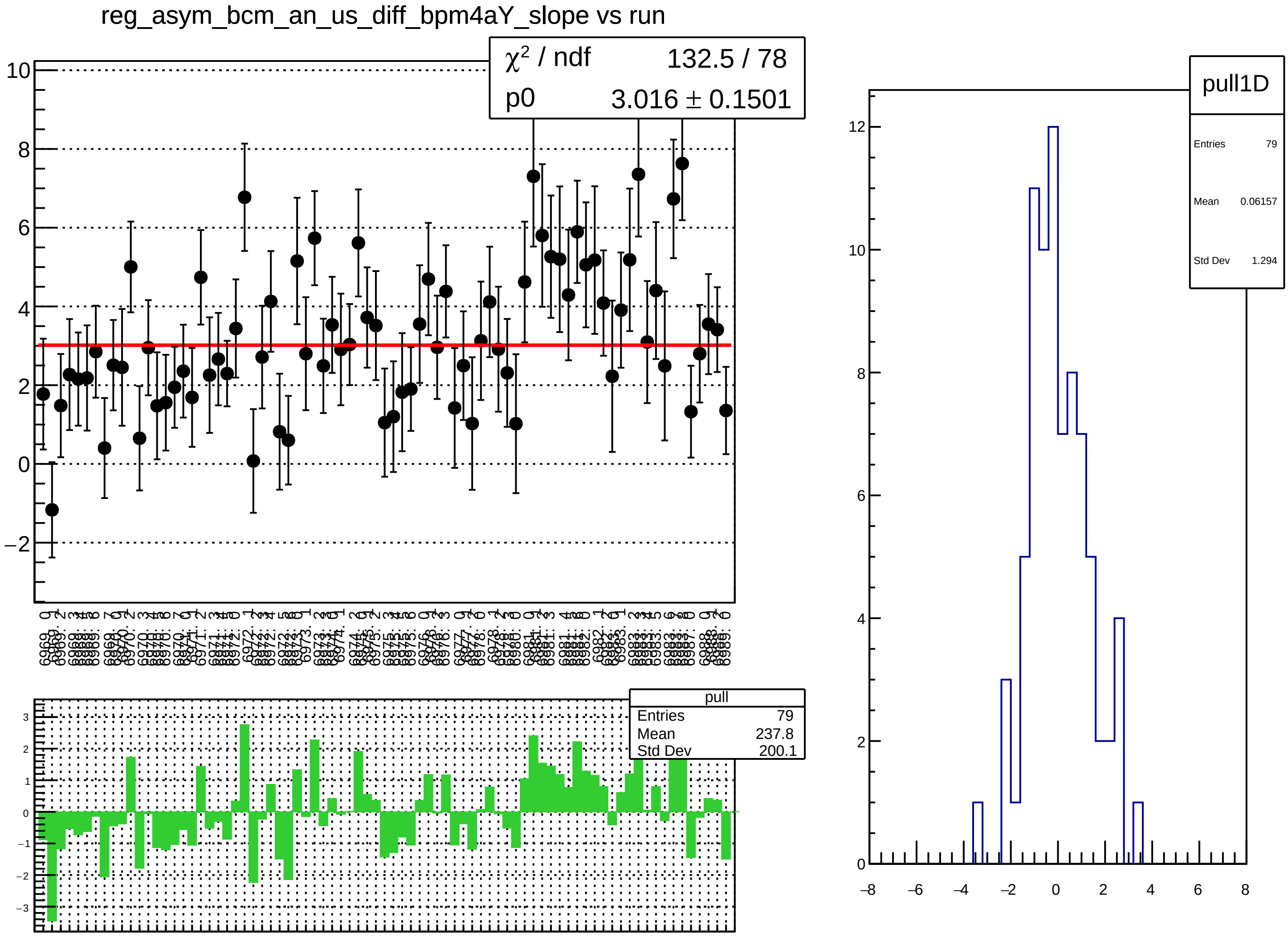

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 143.2 / 78
p0 −3.782 ± 0.171
pull
Entries 79
Mean 221.9
Std Dev 183.7
pull1D
Entries 79
Mean −0.08399
Std Dev 1.344



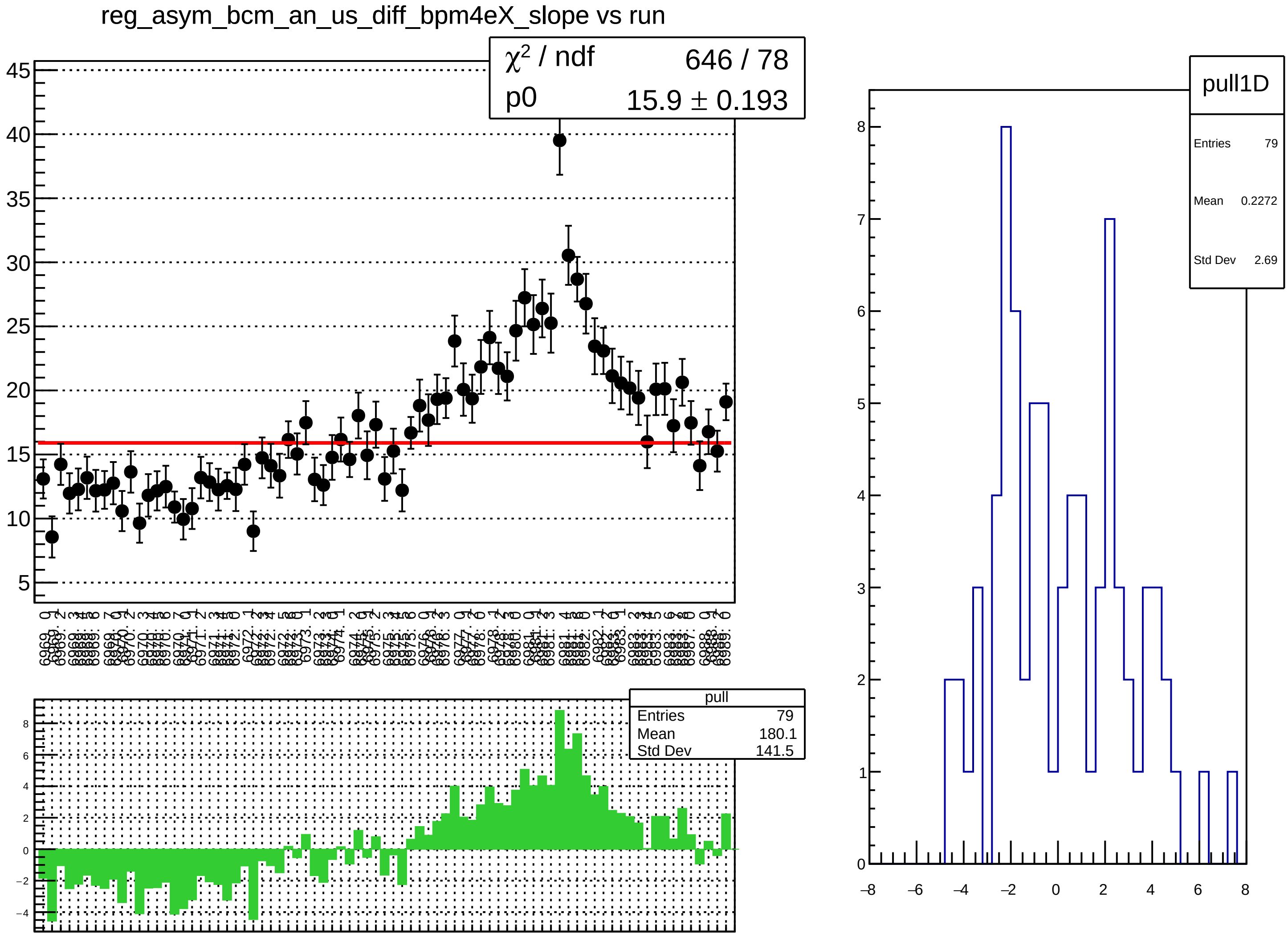
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ^2 / ndf 109.8 / 78
p0 0.1193 ± 0.006468
pull
Entries 79
Mean 415.2
Std Dev 374
pull1D
Entries 79
Mean 0.02143
Std Dev 1.179

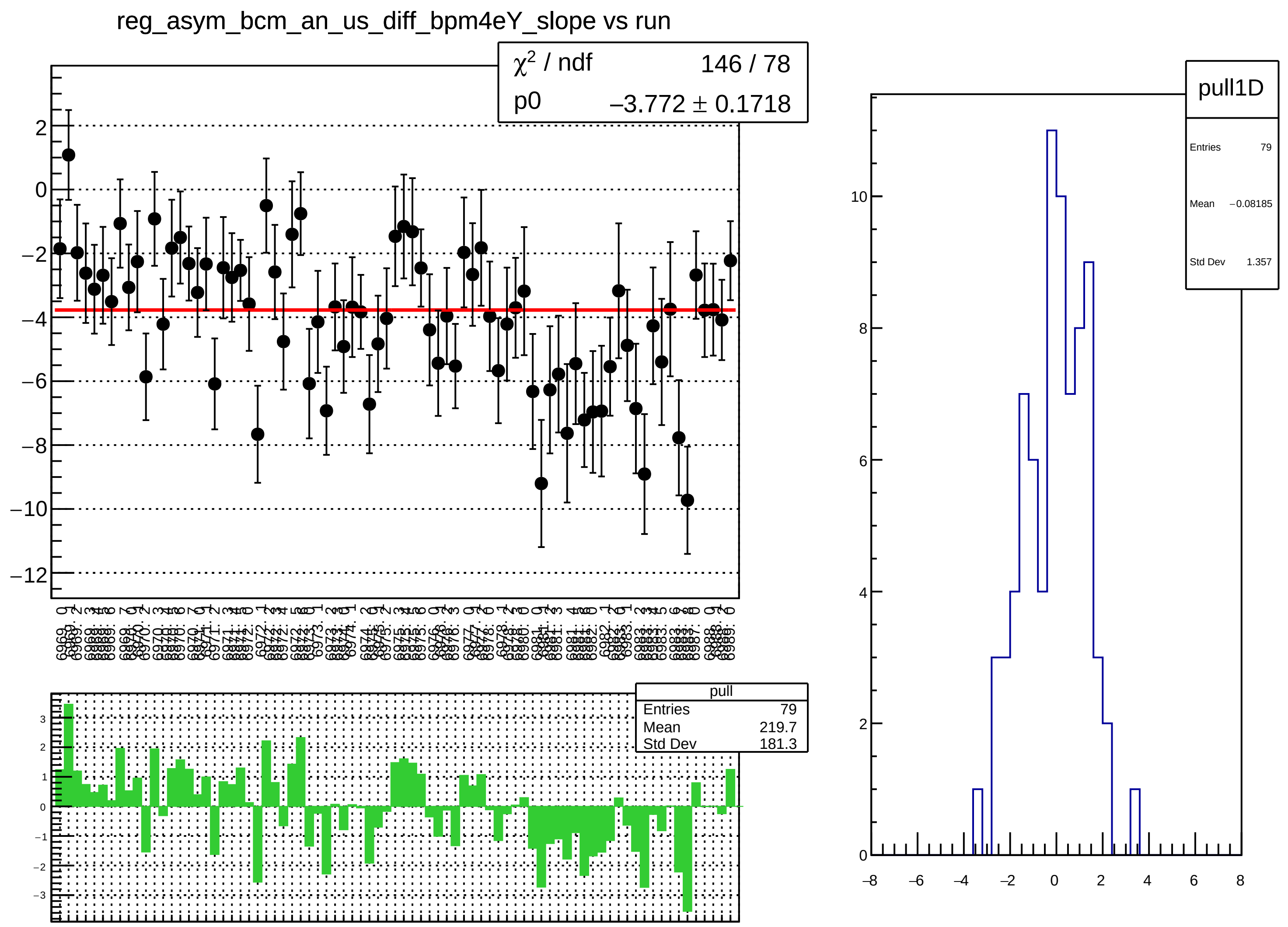


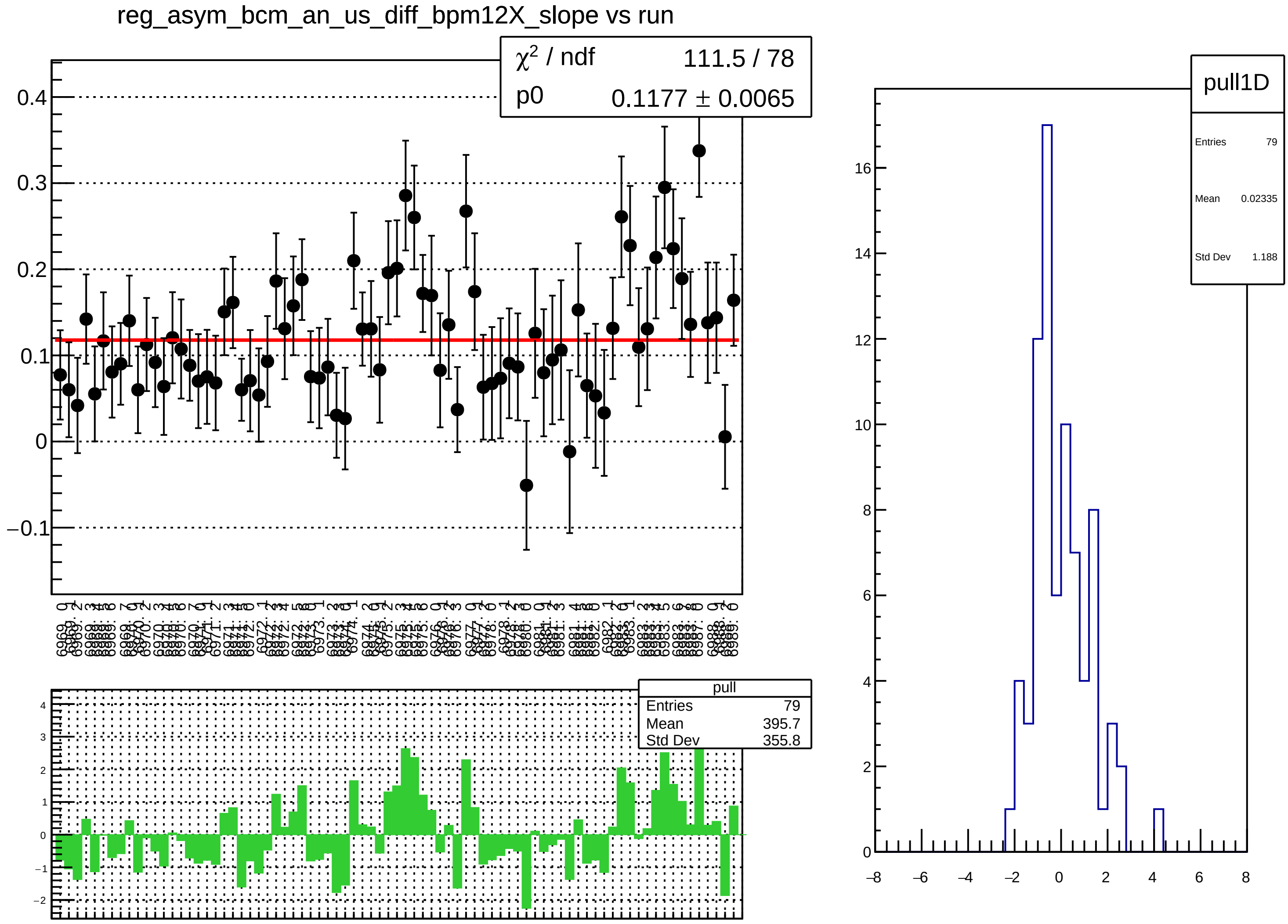
reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 649.9 / 78
p0 −18.05 ± 0.2098
pull
Entries 79
Mean 181.8
Std Dev 143.1
pull1D
Entries 79
Mean −0.2237
Std Dev 2.689

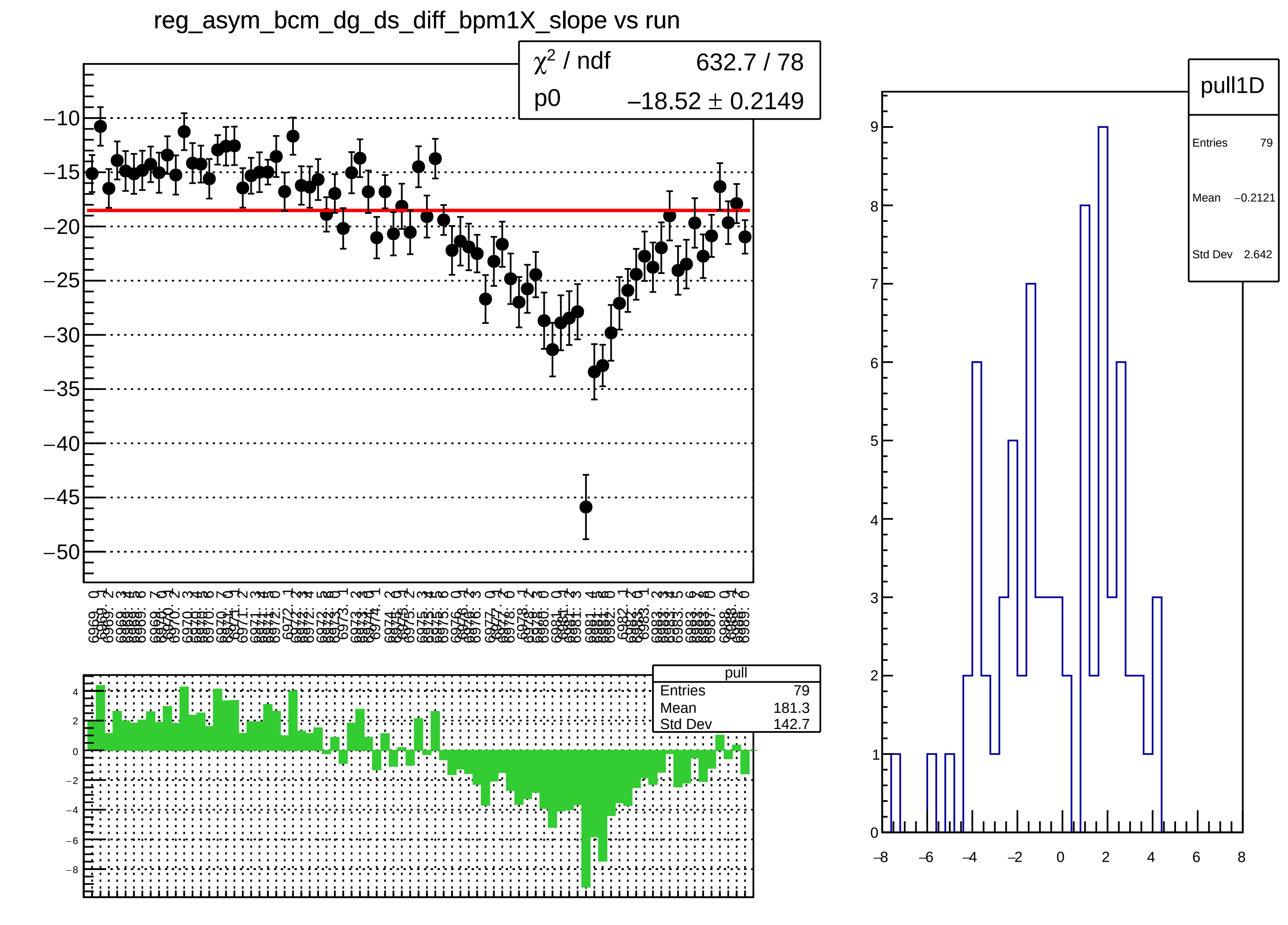


reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ2 / ndf 132.5 / 78
p0 3.016 ± 0.1501
pull
Entries 79
Mean 237.8
Std Dev 200.1
pull1D
Entries 79
Mean 0.06157
Std Dev 1.294

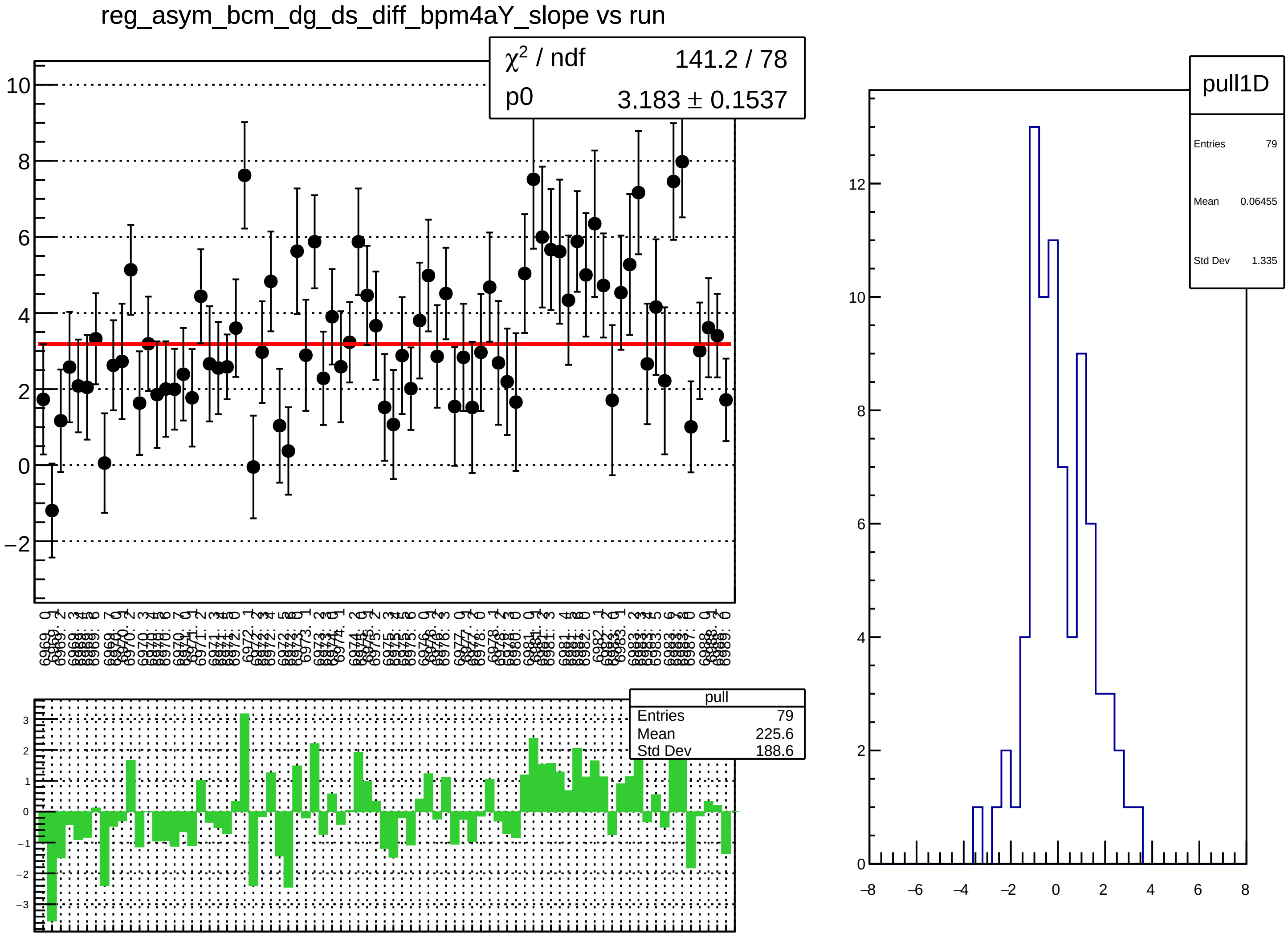

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ2 / ndf 646 / 78
p0 15.9 ± 0.193
pull
Entries 79
Mean 180.1
Std Dev 141.5
pull1D
Entries 79
Mean 0.2272
Std Dev 2.69

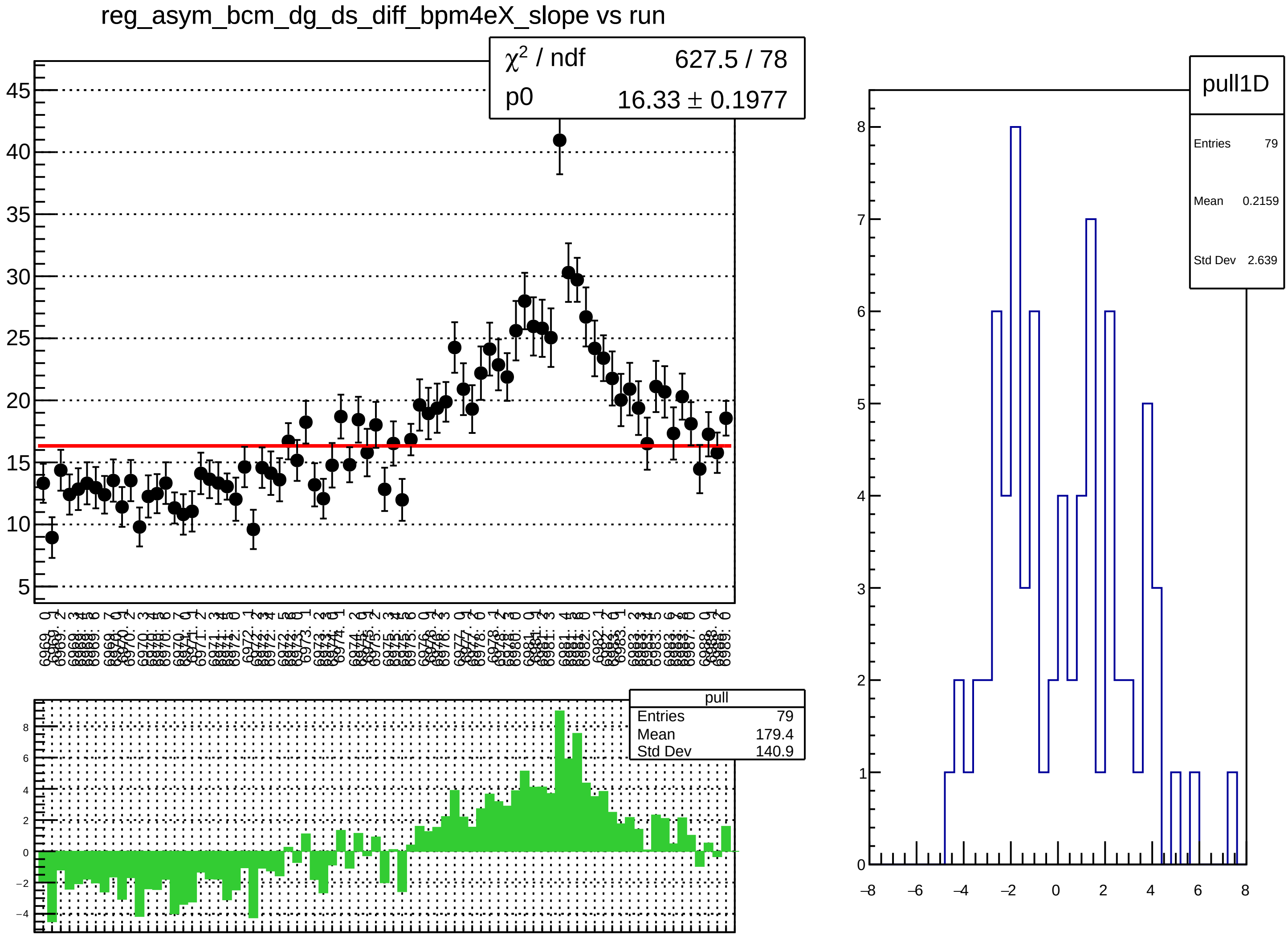

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 146 / 78
p0 −3.772 ± 0.1718
pull
Entries 79
Mean 219.7
Std Dev 181.3
pull1D
Entries 79
Mean −0.08185
Std Dev 1.357


reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ2 / ndf 111.5 / 78
p0 0.1177 ± 0.0065
pull
Entries 79
Mean 395.7
Std Dev 355.8
pull1D
Entries 79
Mean 0.02335
Std Dev 1.188

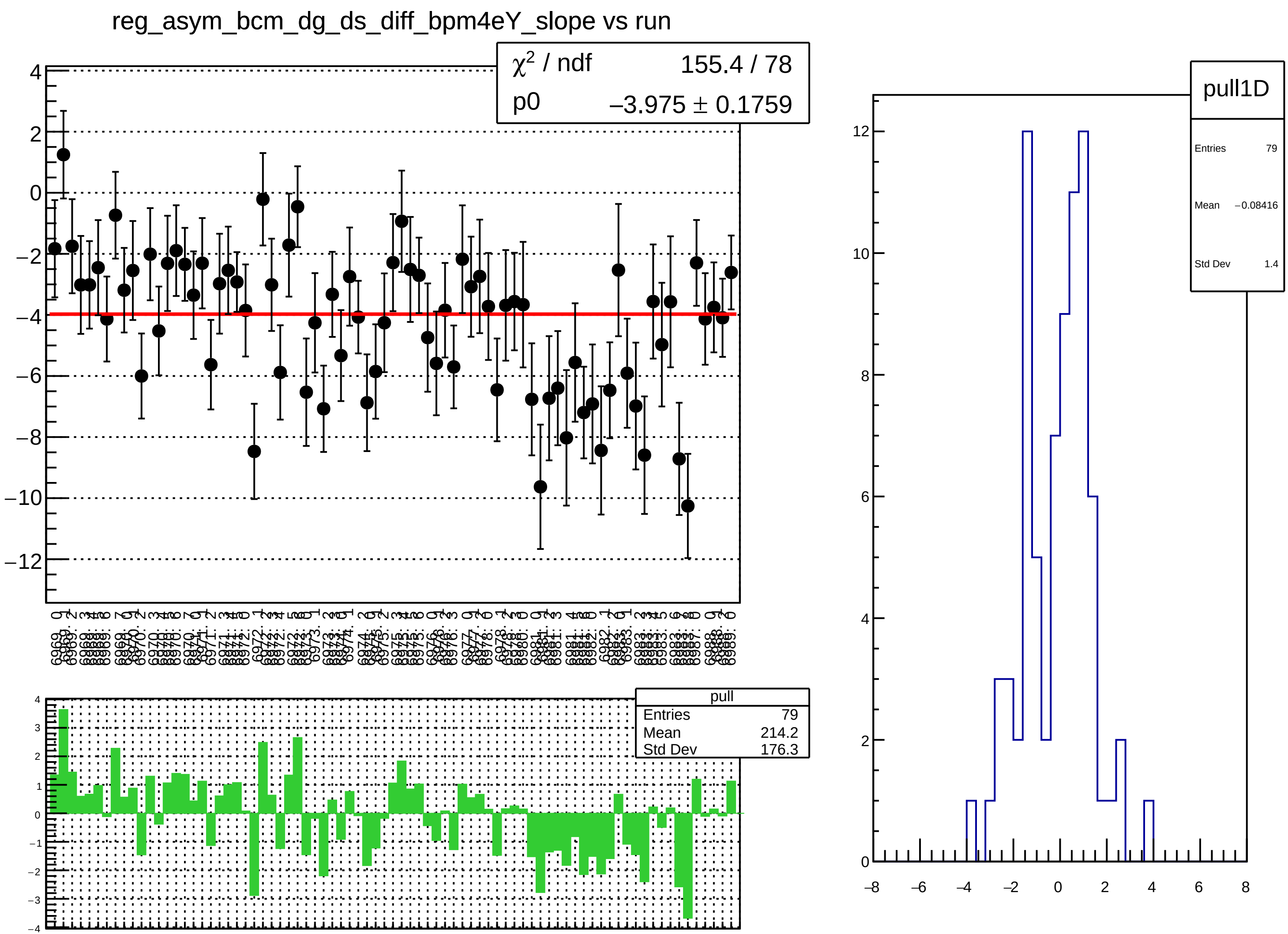


reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 632.7 / 78
p0 −18.52 ± 0.2149
pull
Entries 79
Mean 181.3
Std Dev 142.7
pull1D
Entries 79
Mean −0.2121
Std Dev 2.642

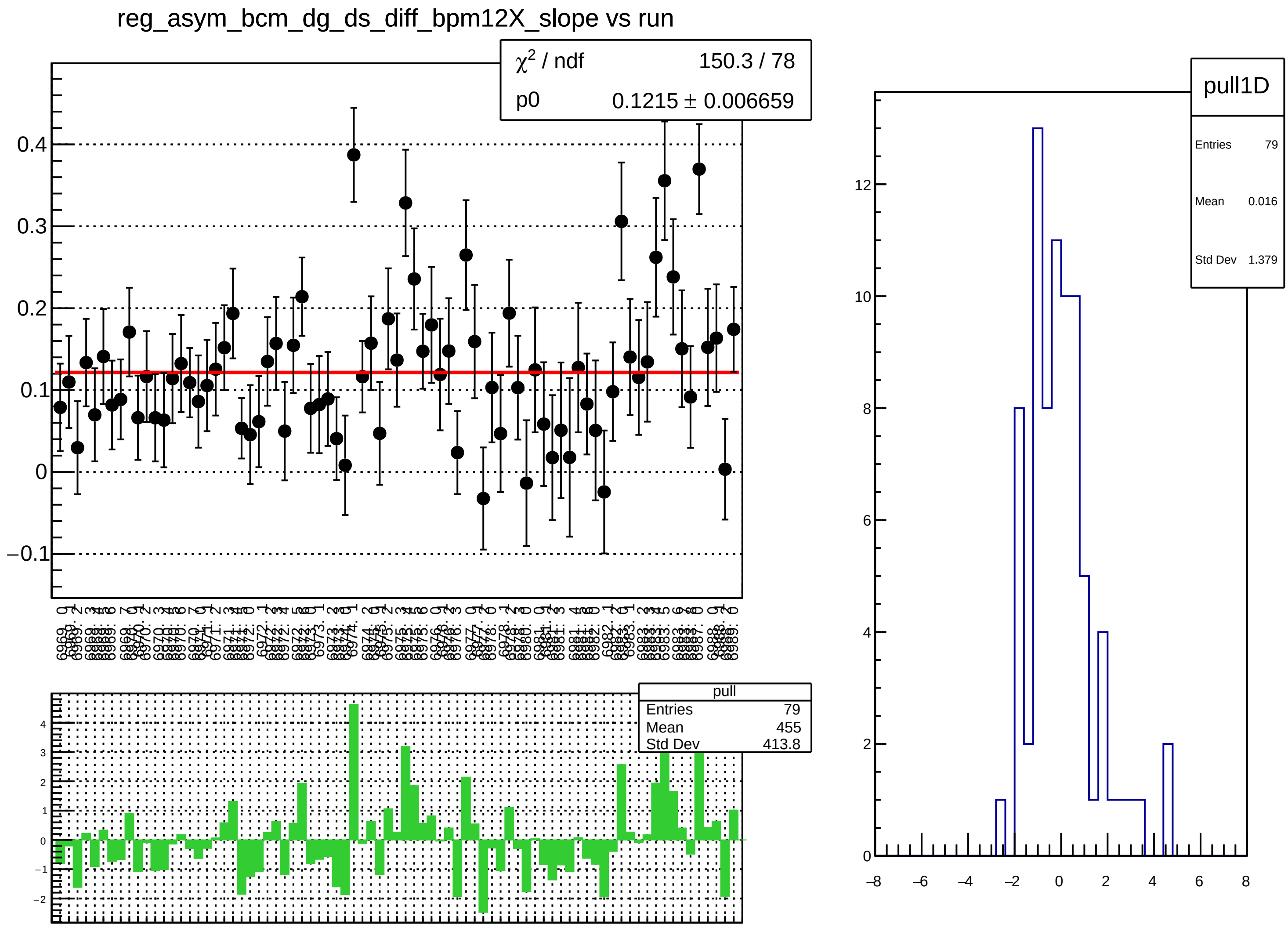

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 141.2 / 78
p0 3.183 ± 0.1537
pull
Entries 79
Mean 225.6
Std Dev 188.6
pull1D
Entries 79
Mean 0.06455
Std Dev 1.335

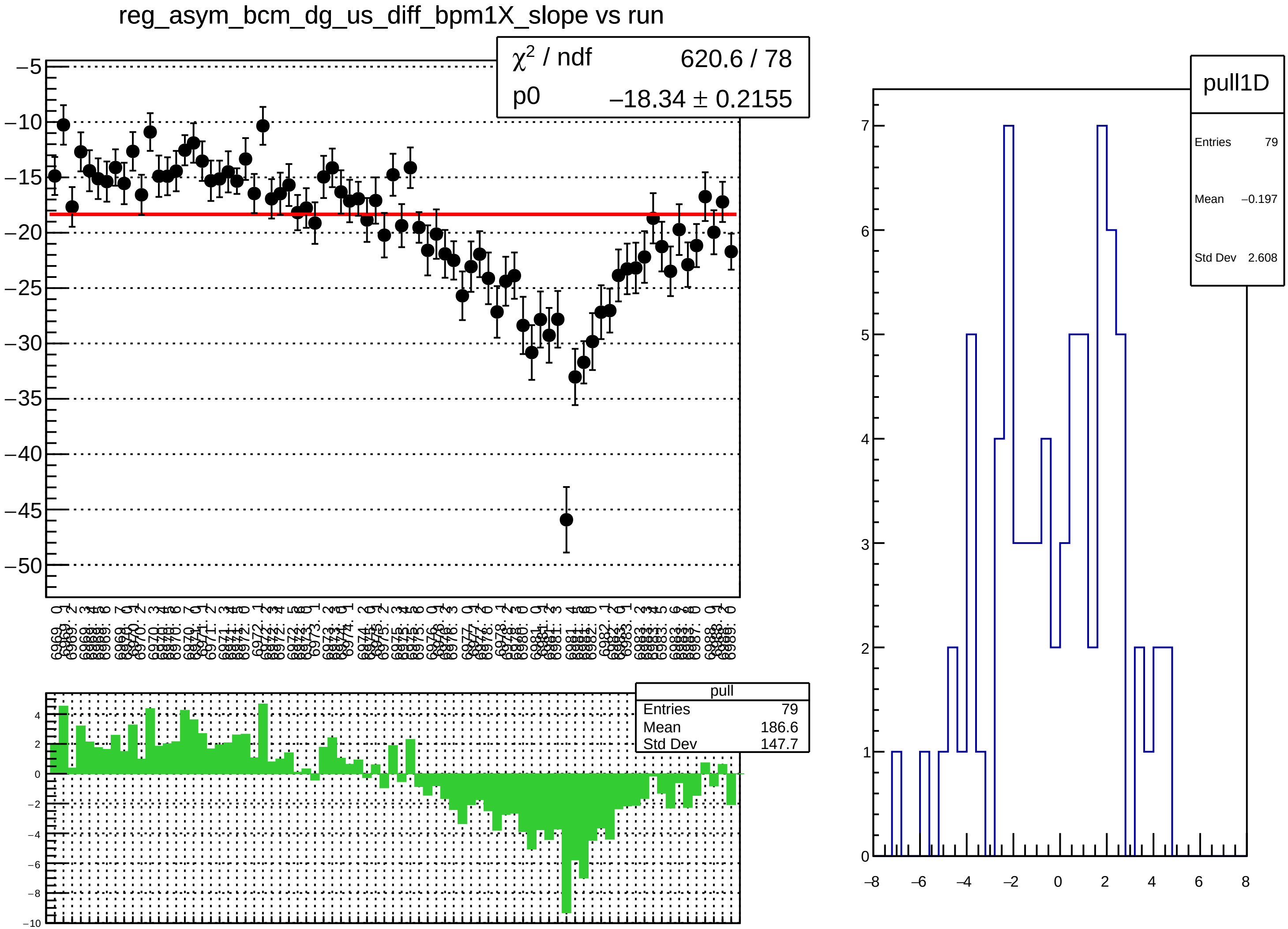


reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ2 / ndf 627.5 / 78
p0 16.33 ± 0.1977
pull
Entries 79
Mean 179.4
Std Dev 140.9
pull1D
Entries 79
Mean 0.2159
Std Dev 2.639

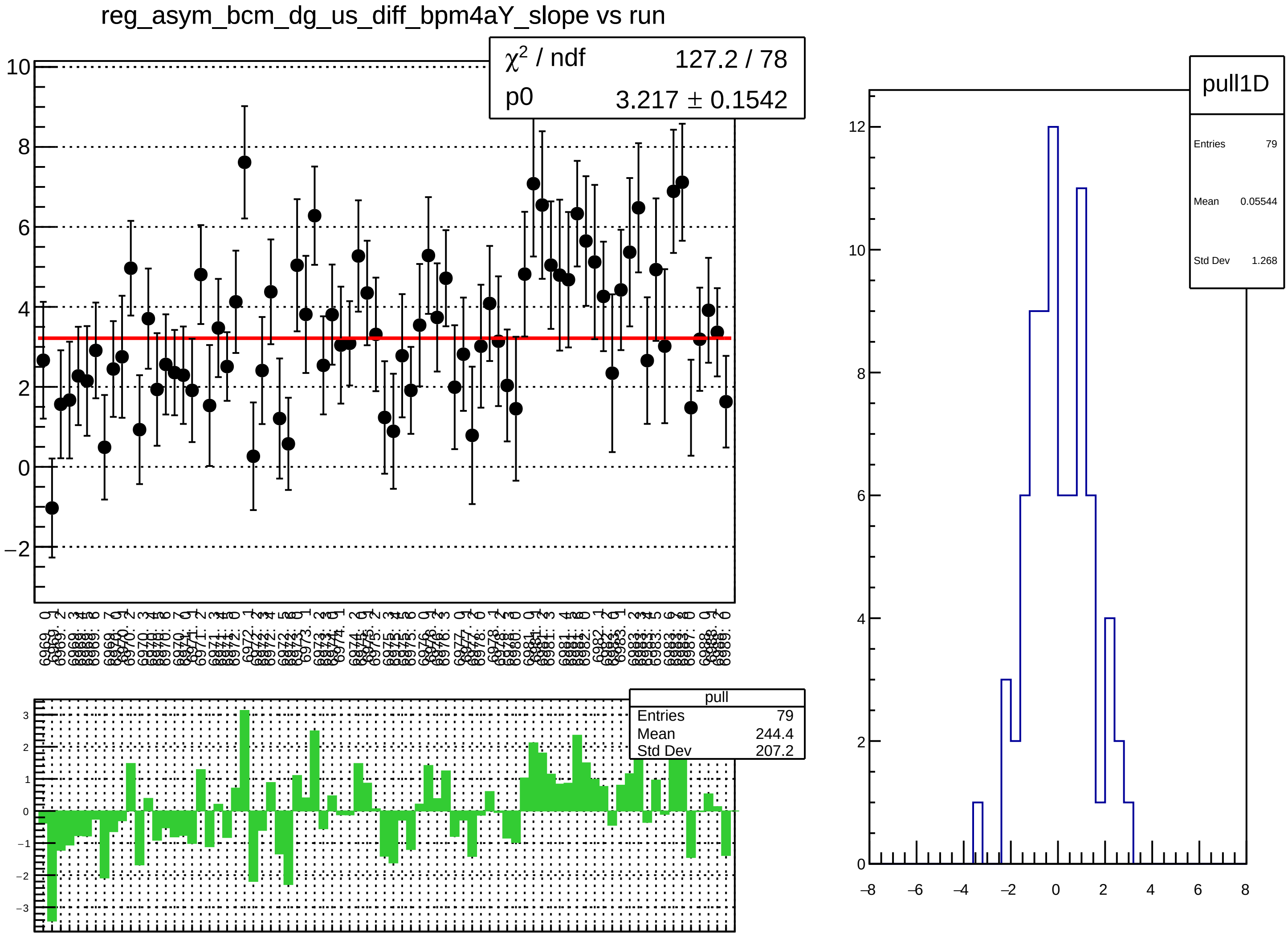


reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 155.4 / 78
p0 −3.975 ± 0.1759
pull
Entries 79
Mean 214.2
Std Dev 176.3
pull1D
Entries 79
Mean −0.08416
Std Dev 1.4

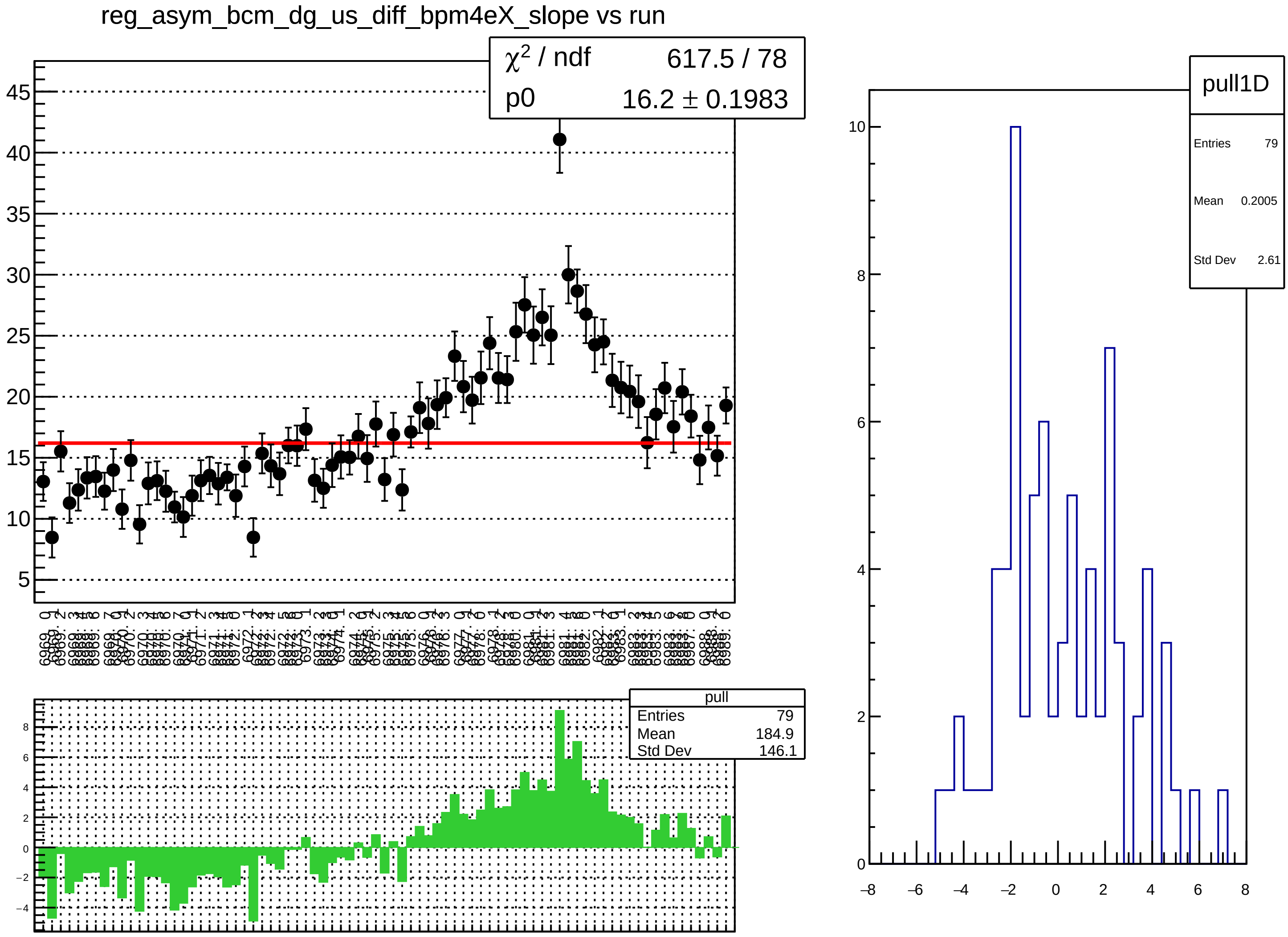

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ^2 / ndf 150.3 / 78
p0 0.1215 ± 0.006659
pull
Entries 79
Mean 455
Std Dev 413.8
pull1D
Entries 79
Mean 0.016
Std Dev 1.379

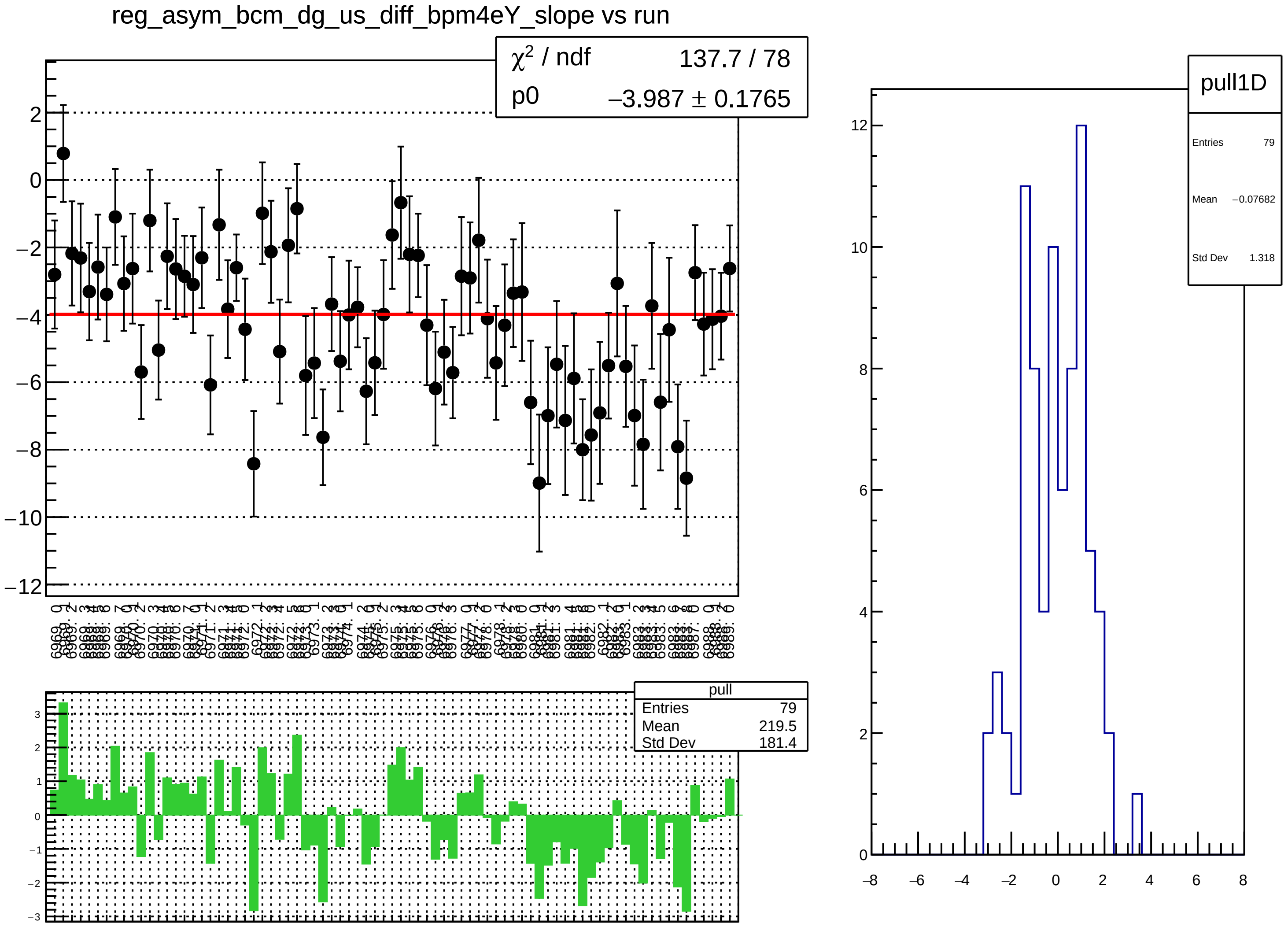


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ2 / ndf 620.6 / 78
p0 −18.34 ± 0.2155
pull
Entries 79
Mean 186.6
Std Dev 147.7
pull1D
Entries 79
Mean −0.197
Std Dev 2.608

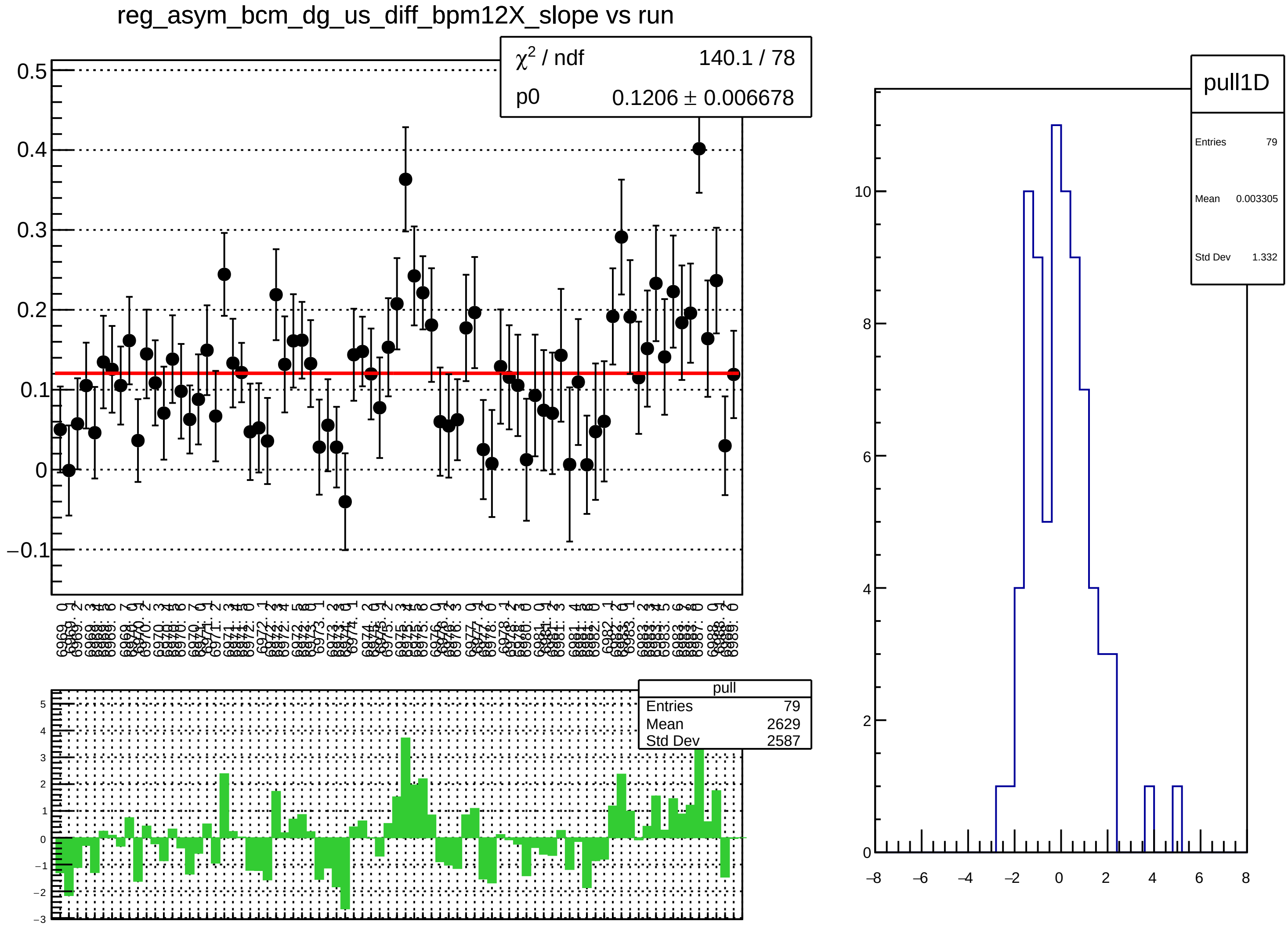


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 127.2 / 78
p0 3.217 ± 0.1542
pull
Entries 79
Mean 244.4
Std Dev 207.2
pull1D
Entries 79
Mean 0.05544
Std Dev 1.268


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ2 / ndf 617.5 / 78
p0 16.2 ± 0.1983
pull
Entries 79
Mean 184.9
Std Dev 146.1
pull1D
Entries 79
Mean 0.2005
Std Dev 2.61



reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ^2 / ndf 137.7 / 78
p0 −3.987 ± 0.1765
pull
Entries 79
Mean 219.5
Std Dev 181.4
pull1D
Entries 79
Mean −0.07682
Std Dev 1.318



reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ^2 / ndf 140.1 / 78
p0 0.1206 ± 0.006678
pull
Entries 79
Mean 2629
Std Dev 2587
pull1D
Entries 79
Mean 0.003305
Std Dev 1.332