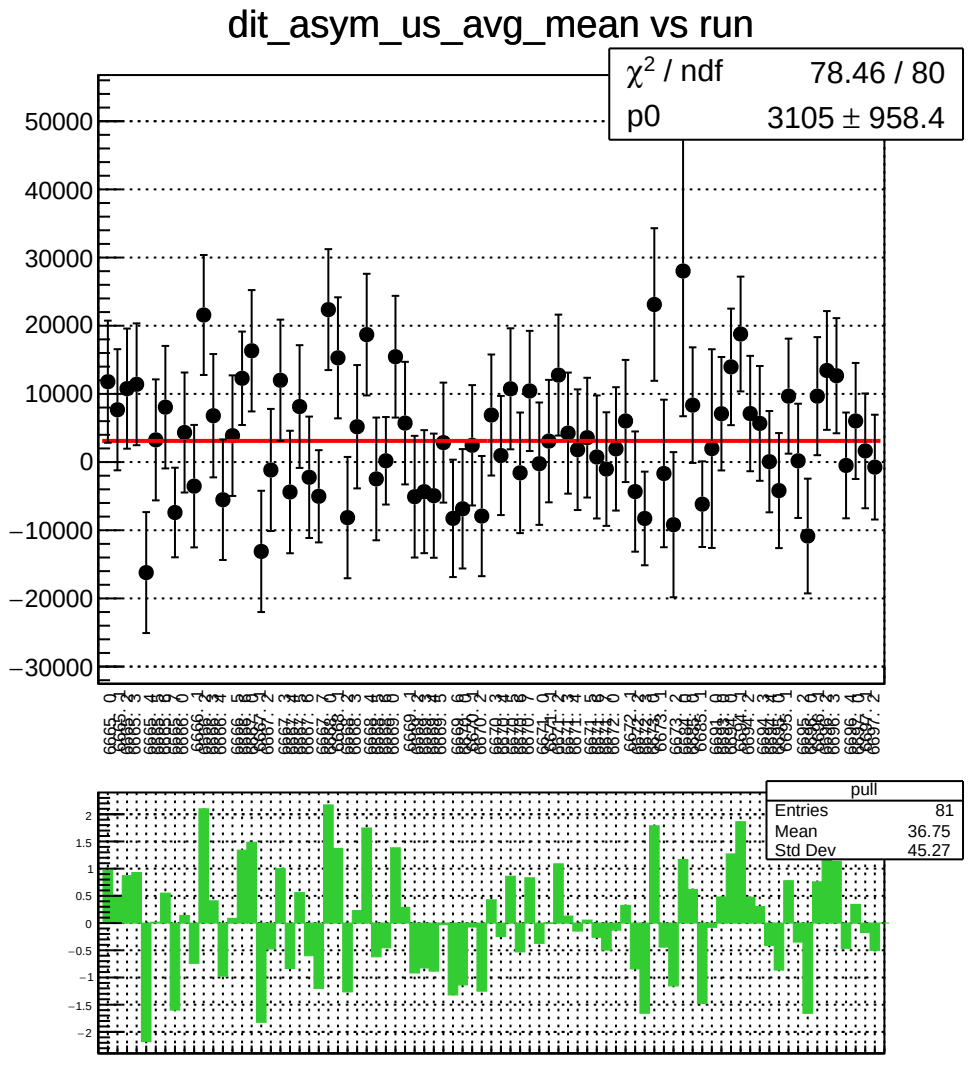
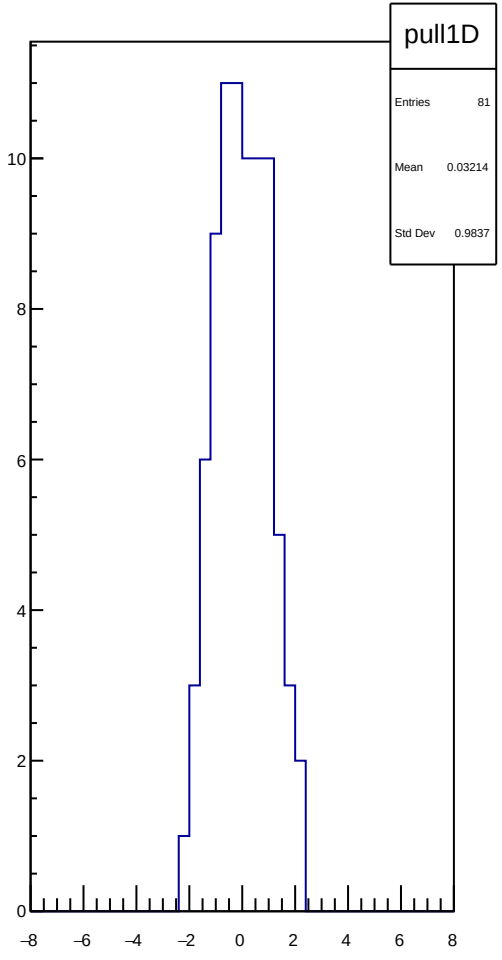
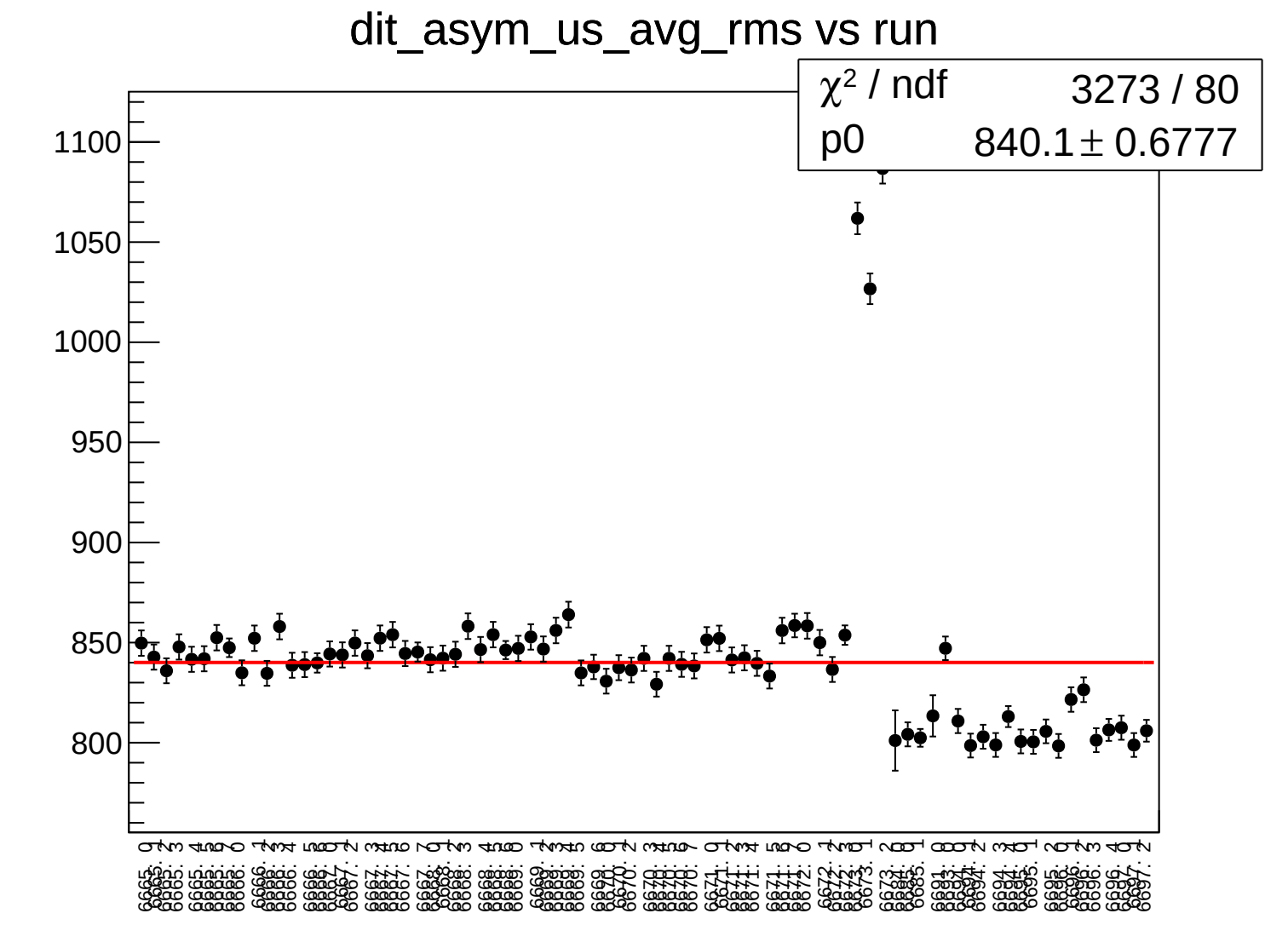
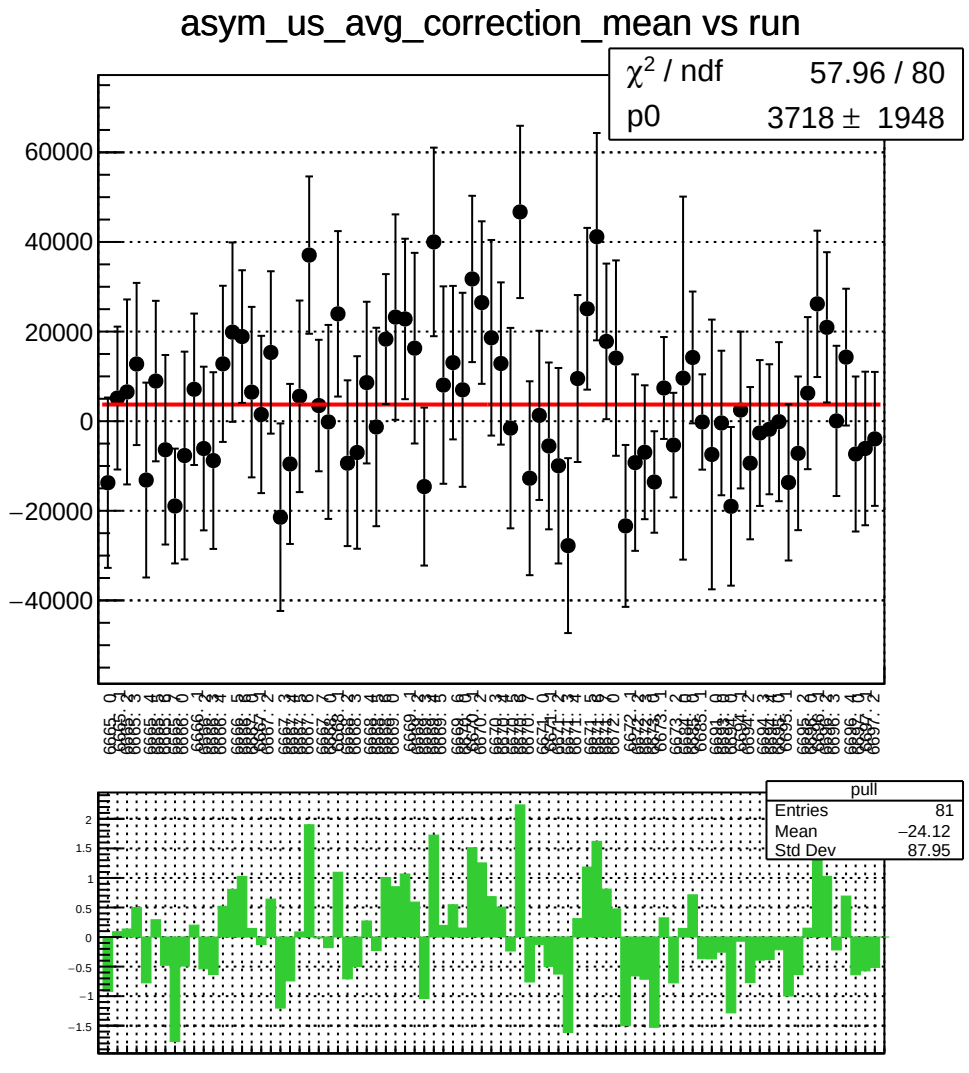
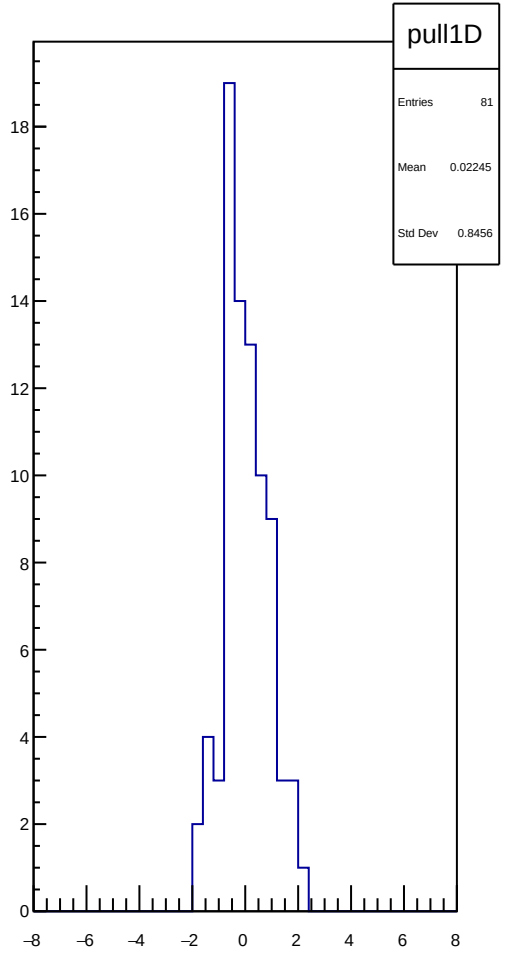
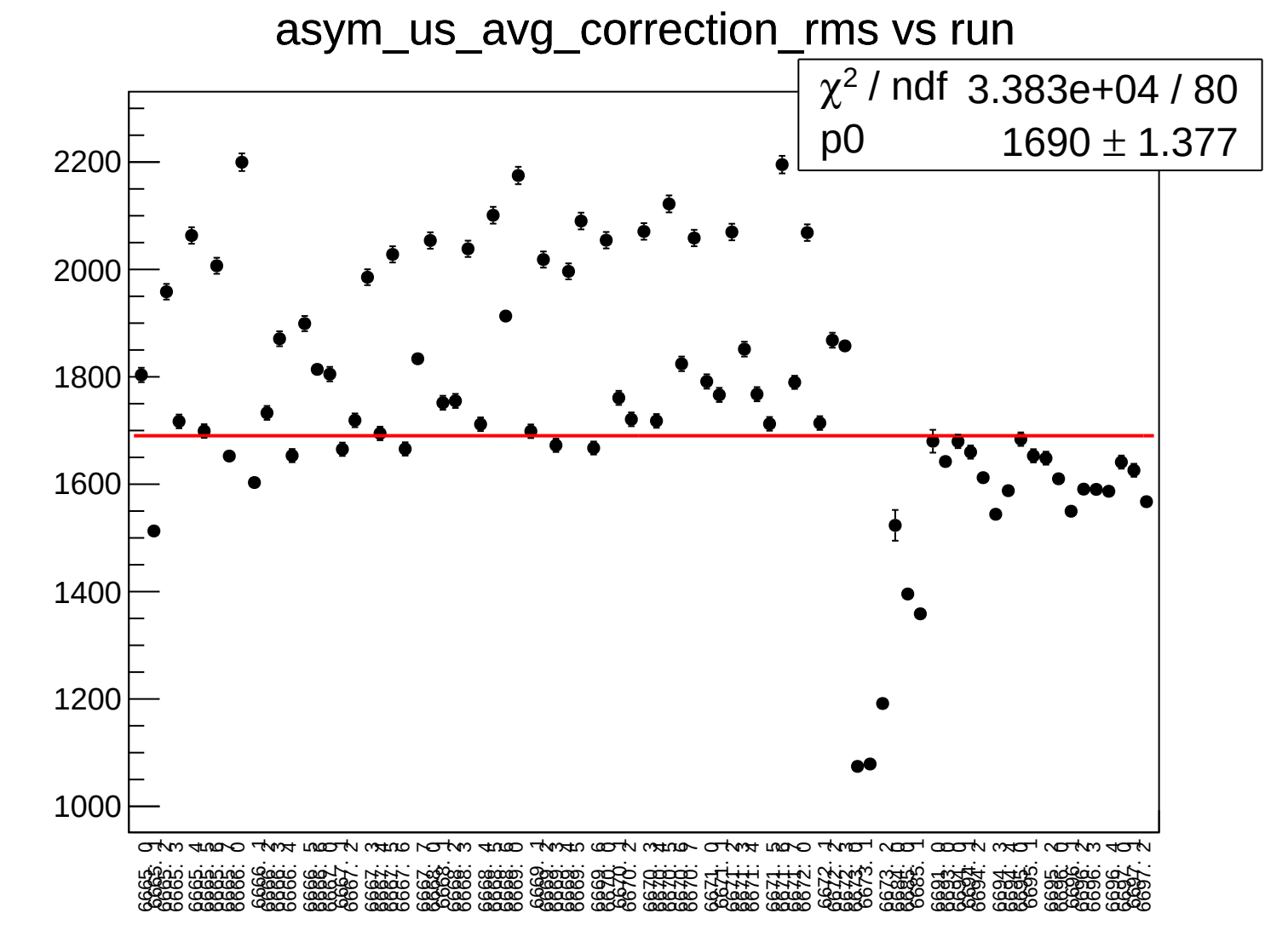

dit_asym_us_avg_mean vs run
χ² / ndf 78.46 / 80
p0 3105 ± 958.4
pull
Entries 81
Mean 36.75
Std Dev 45.27

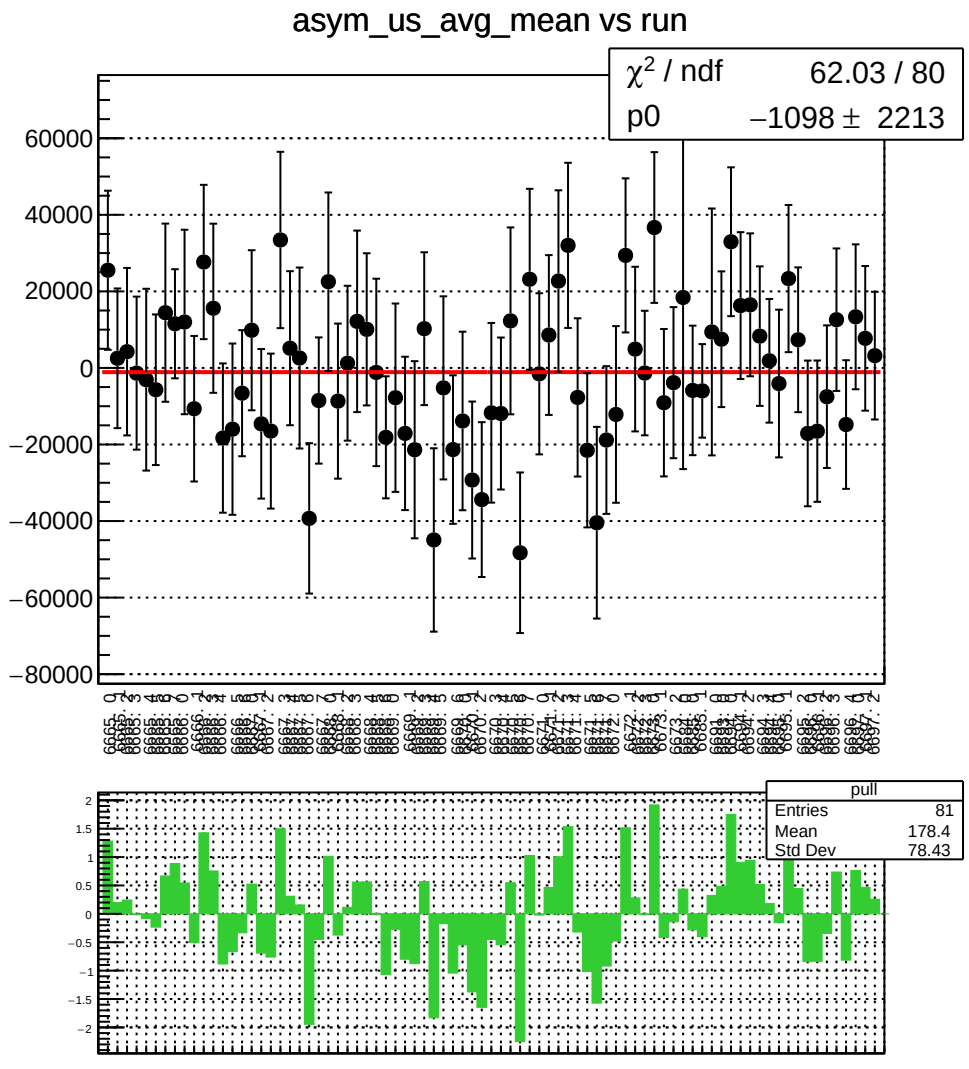

pull1D
Entries 81
Mean 0.03214
Std Dev 0.9837

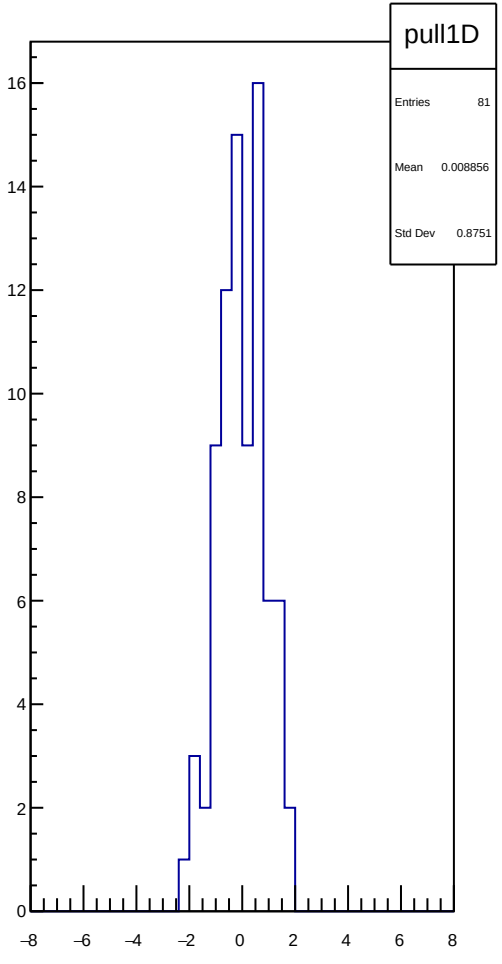

dit_asym_us_avg_rms vs run
χ² / ndf 3273 / 80
p0 840.1 ± 0.6777
1100
1050
1000
950
900
850
800

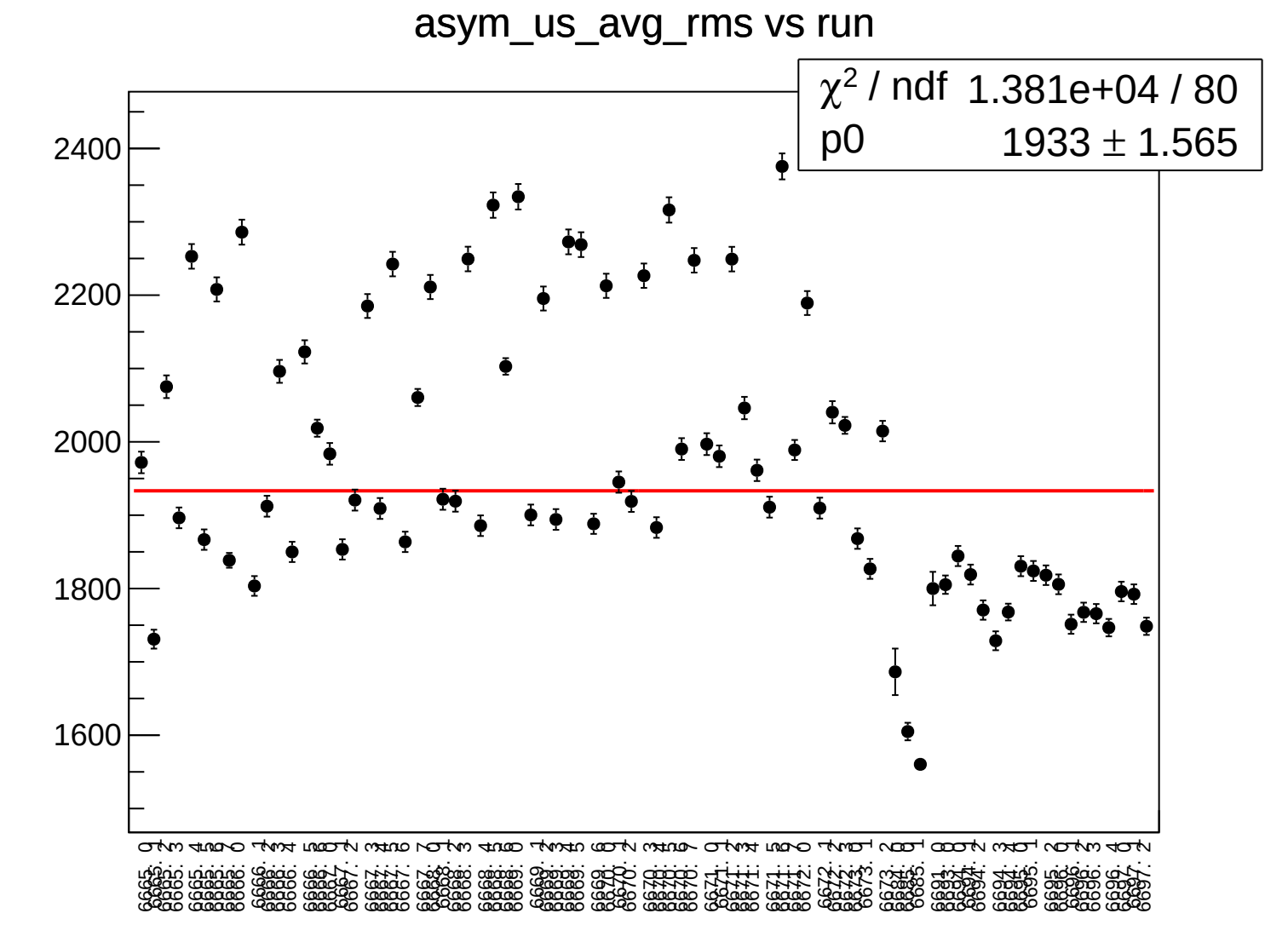

asym_us_avg_correction_mean vs run
χ² / ndf 57.96 / 80
p0 3718 ± 1948
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −24.12
Std Dev 87.95
2
1.5
1
0.5
0
−0.5
−1
−1.5

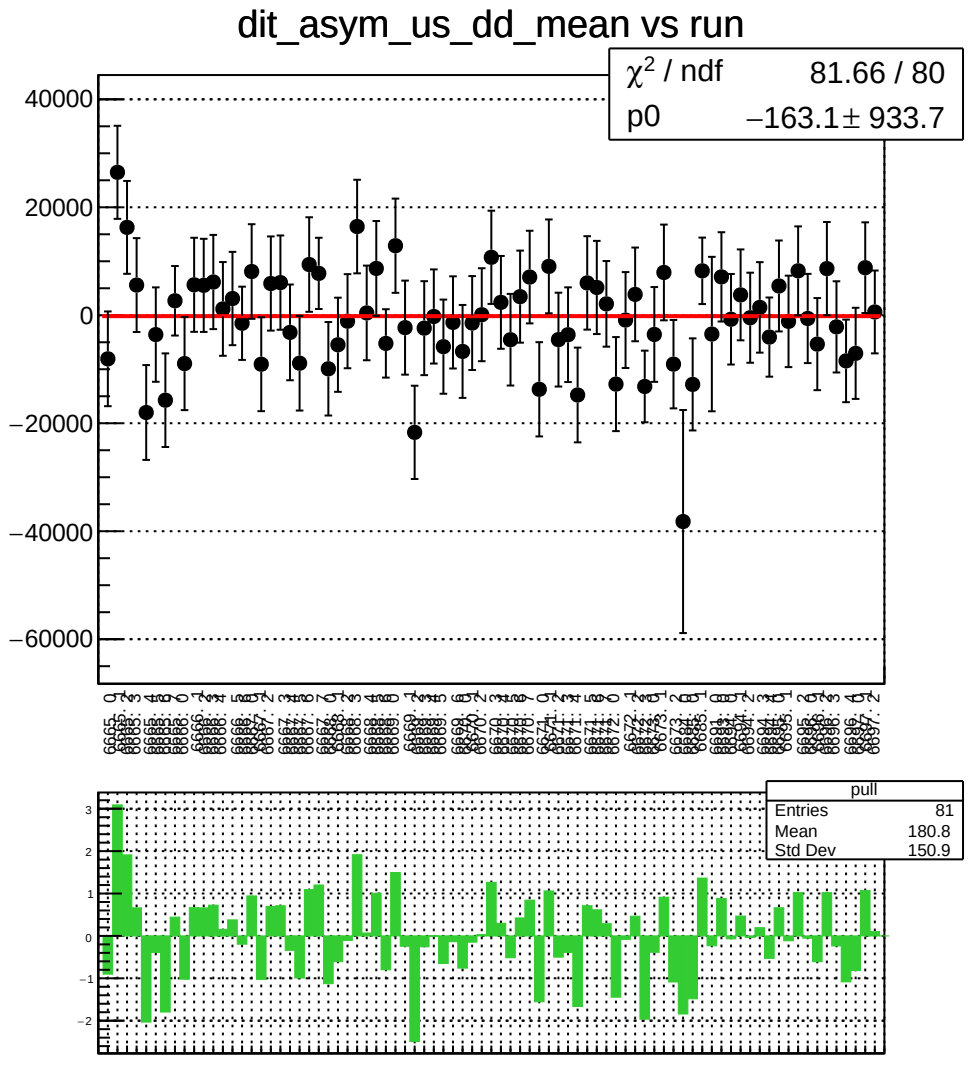

pull1D
Entries 81
Mean 0.02245
Std Dev 0.8456
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

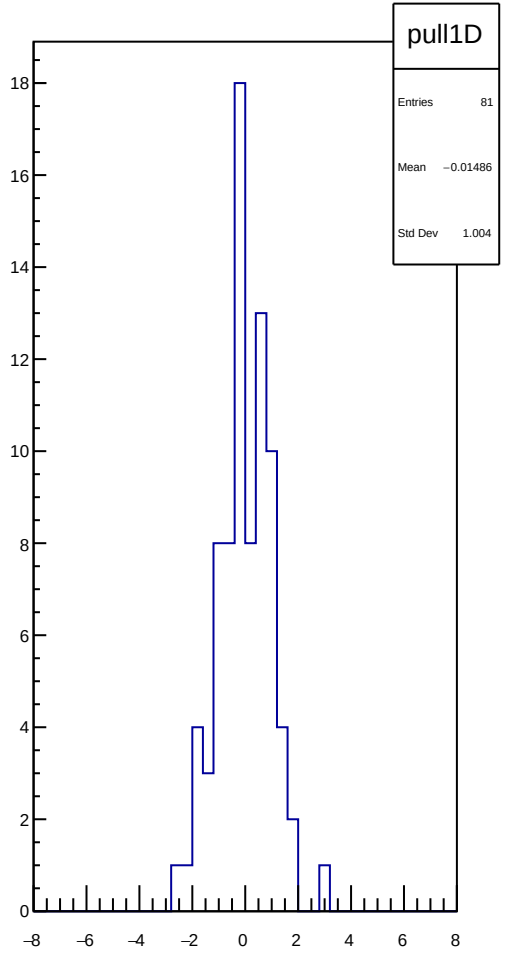

asym_us_avg_correction_rms vs run
χ² / ndf 3.383e+04 / 80
p0 1690 ± 1.377
2200
2000
1800
1600
1400
1200
1000

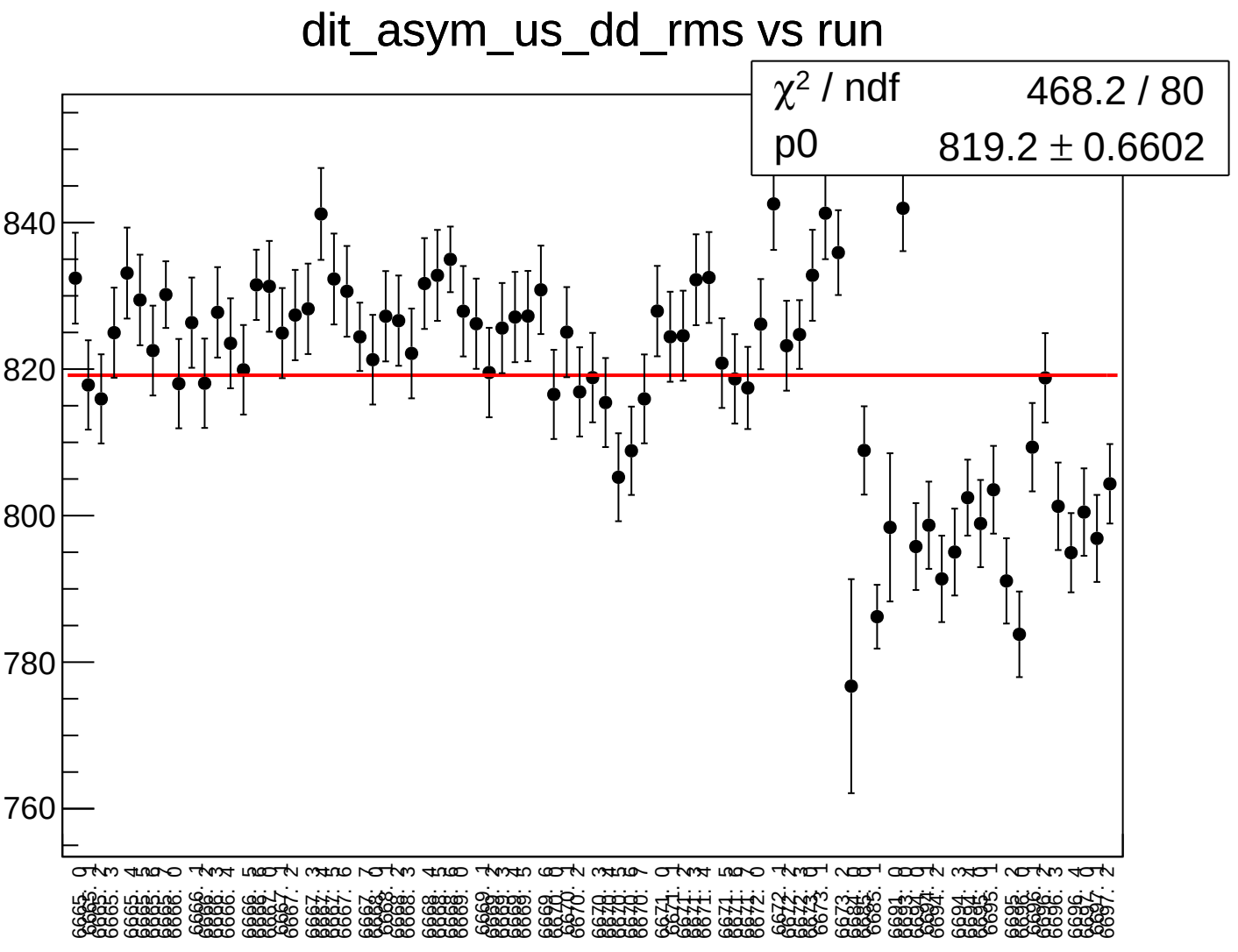

asym_us_avg_mean vs run
χ² / ndf 62.03 / 80
p0 −1098 ± 2213
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 178.4
Std Dev 78.43
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

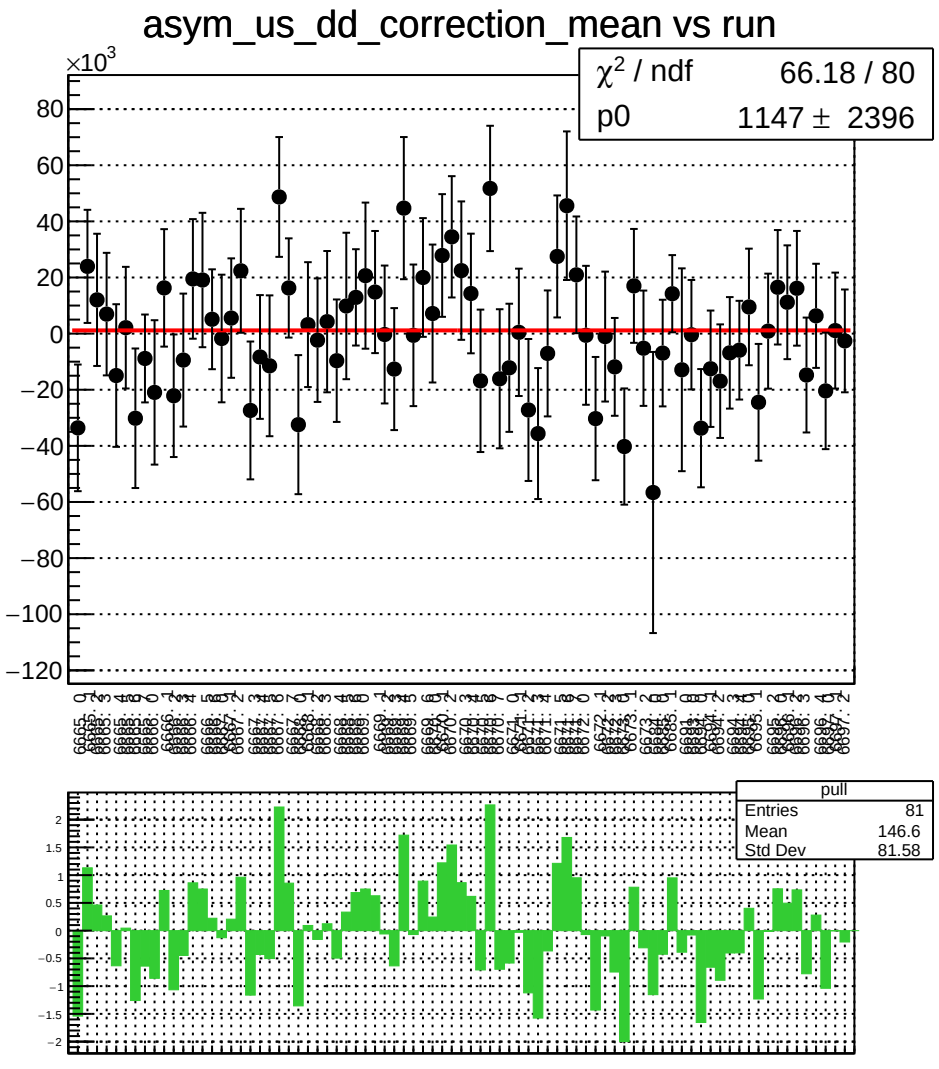

pull1D
Entries 81
Mean 0.008856
Std Dev 0.8751
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

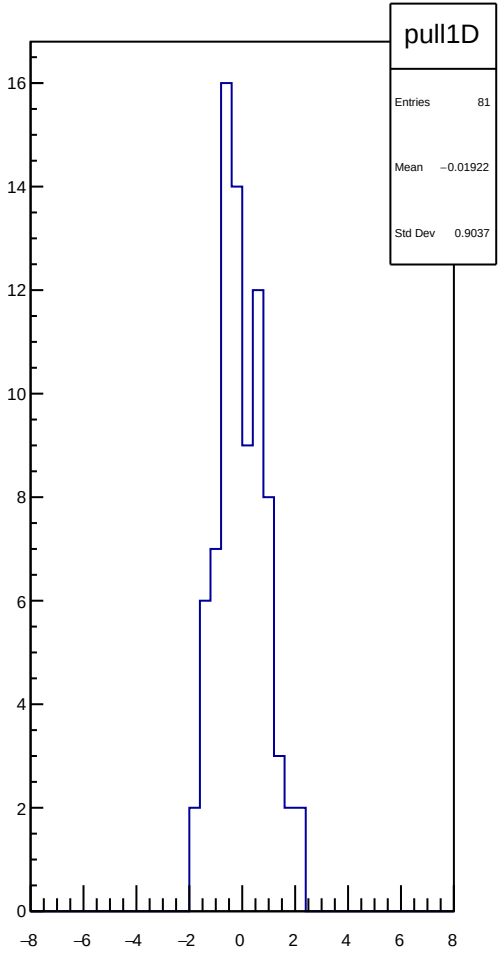

asym_us_avg_rms vs run
χ² / ndf 1.381e+04 / 80
p0 1933 ± 1.565
2400
2200
2000
1800
1600

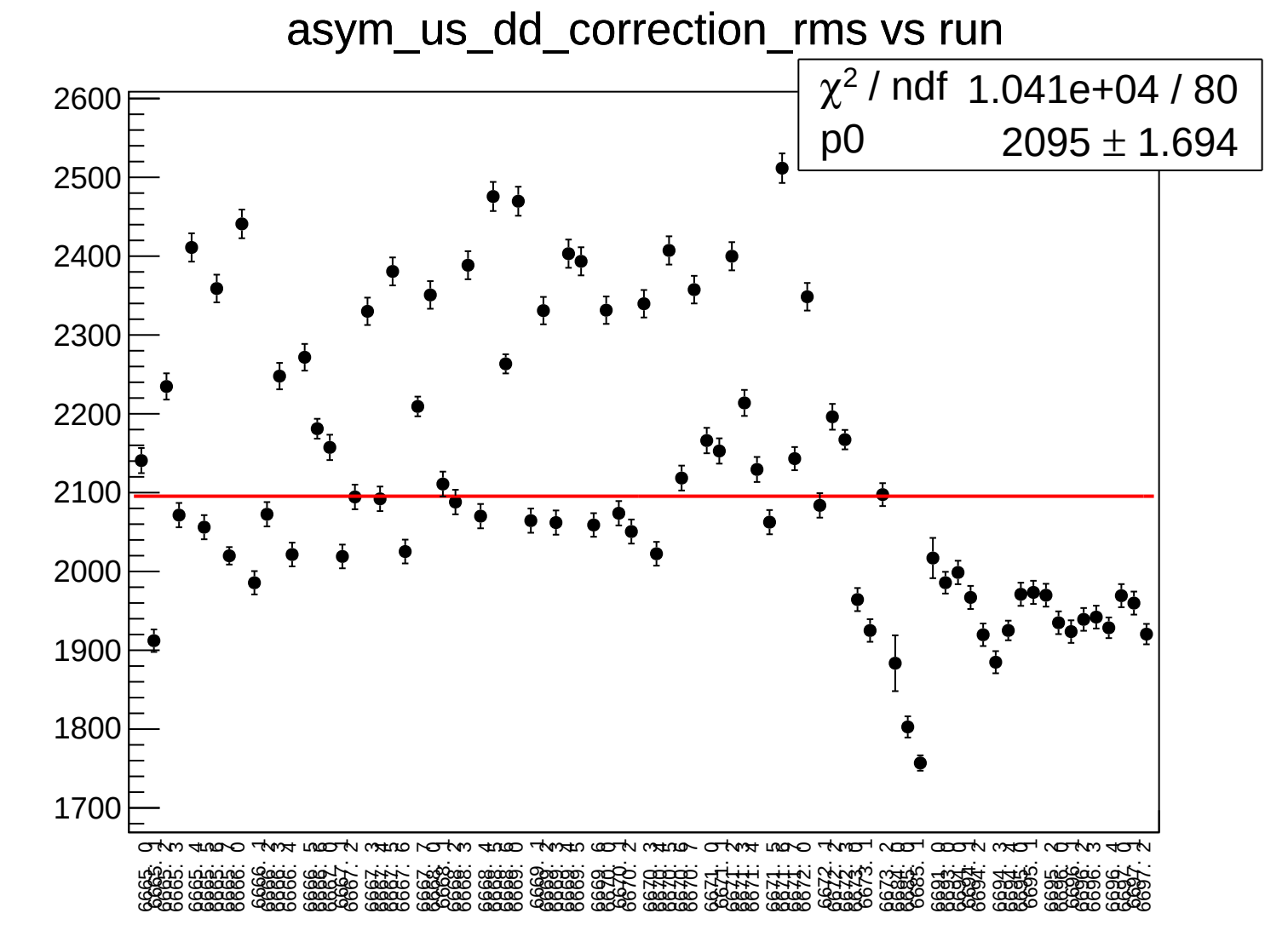

dit_asym_us_dd_mean vs run
χ² / ndf 81.66 / 80
p0 −163.1± 933.7
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 180.8
Std Dev 150.9
3
2
1
0
−1
−2

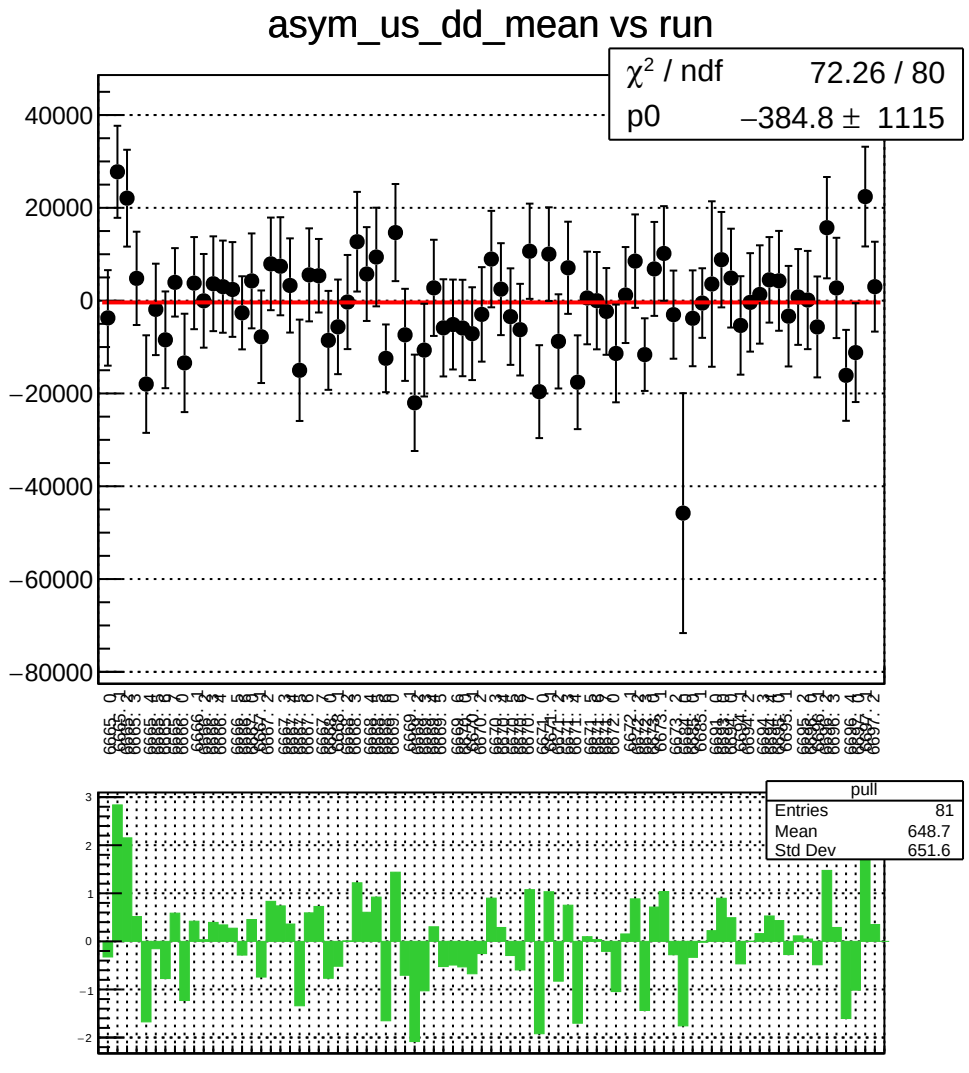

pull1D
Entries 81
Mean −0.01486
Std Dev 1.004
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

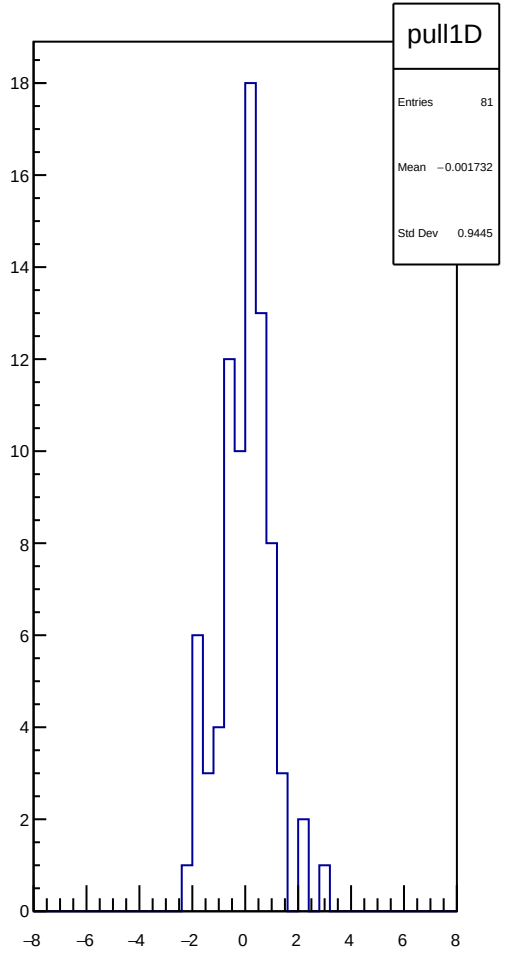

dit_asym_us_dd_rms vs run
χ² / ndf 468.2 / 80
p0 819.2 ± 0.6602
840
820
800
780
760

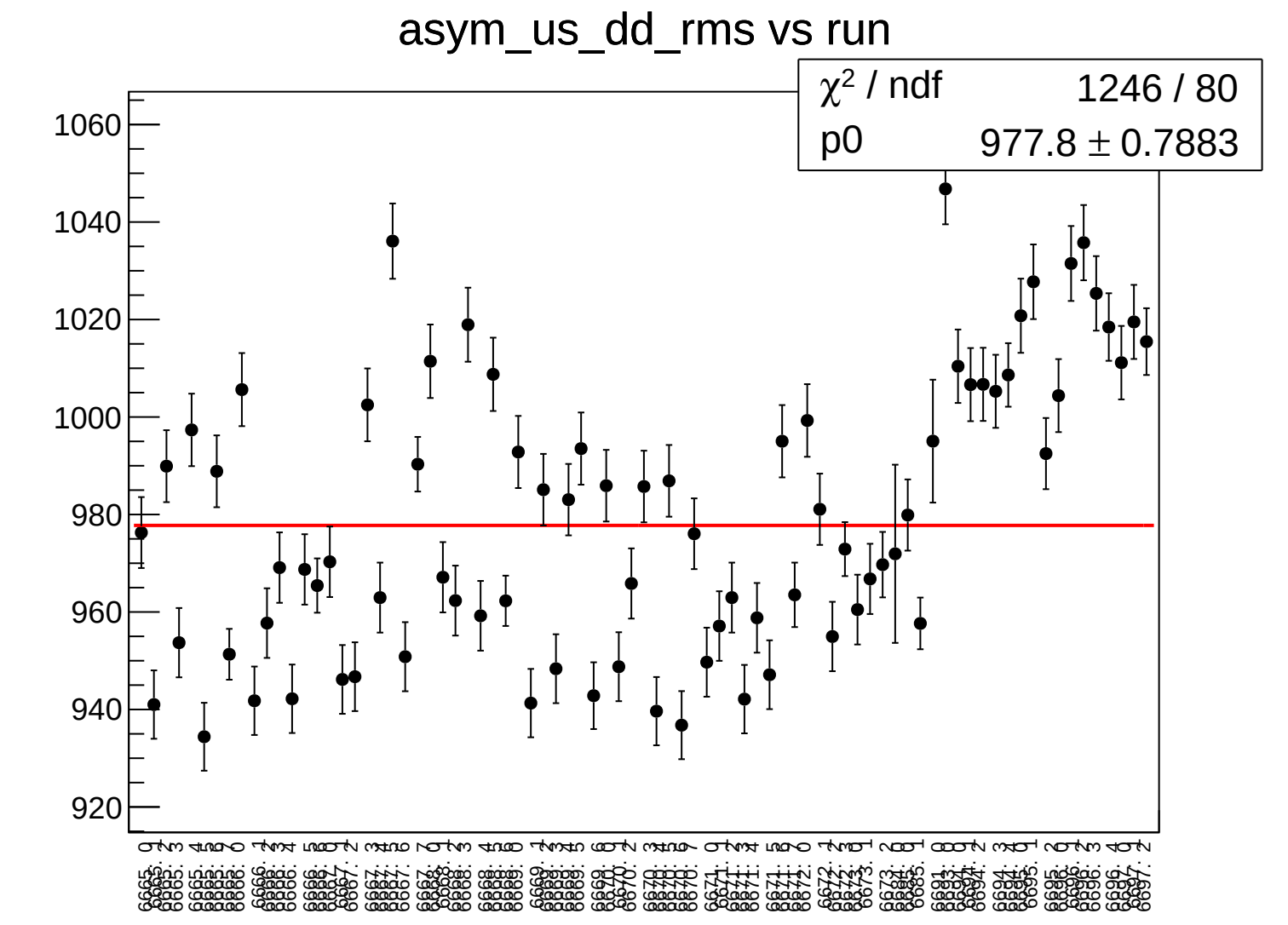

asym_us_dd_correction_mean vs run
×10^3
χ^2 / ndf 66.18 / 80
p0 1147 ± 2396
pull
Entries 81
Mean 146.6
Std Dev 81.58

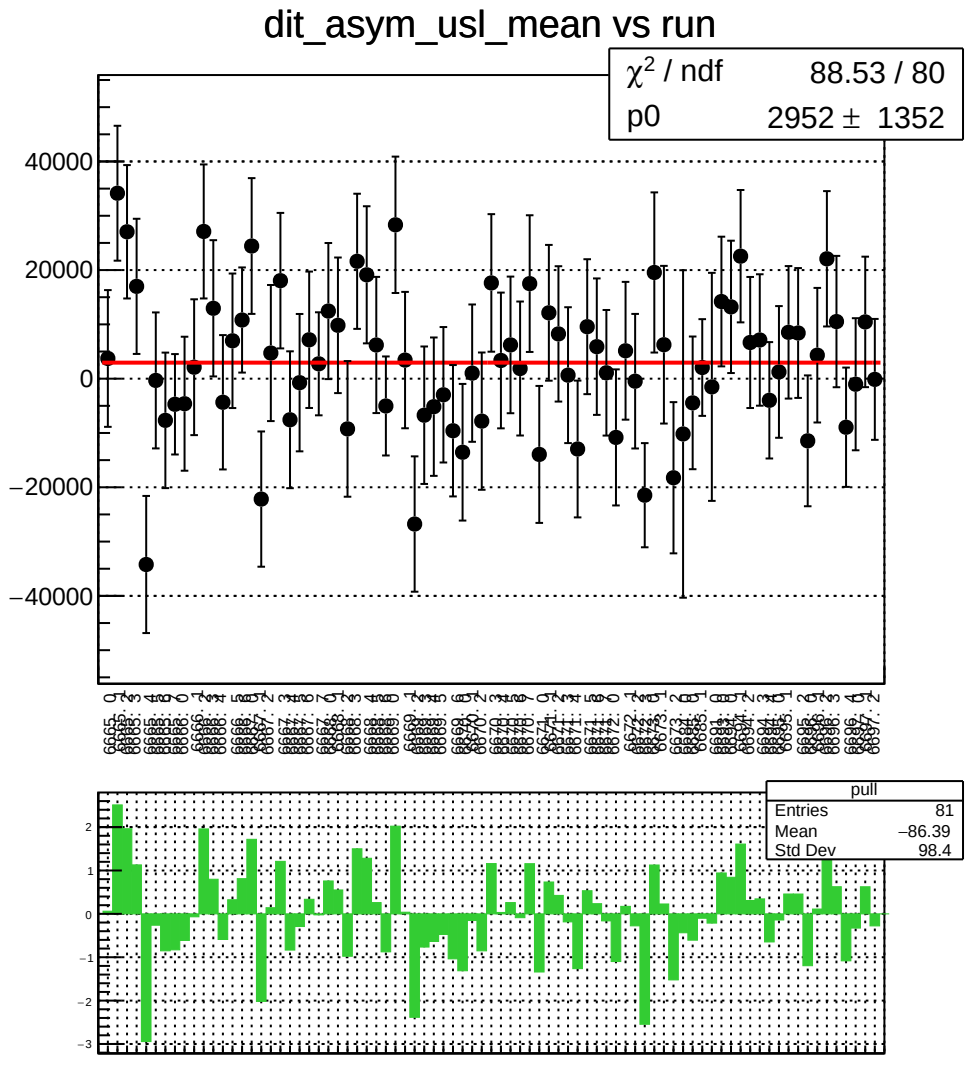

pull1D
Entries 81
Mean −0.01922
Std Dev 0.9037

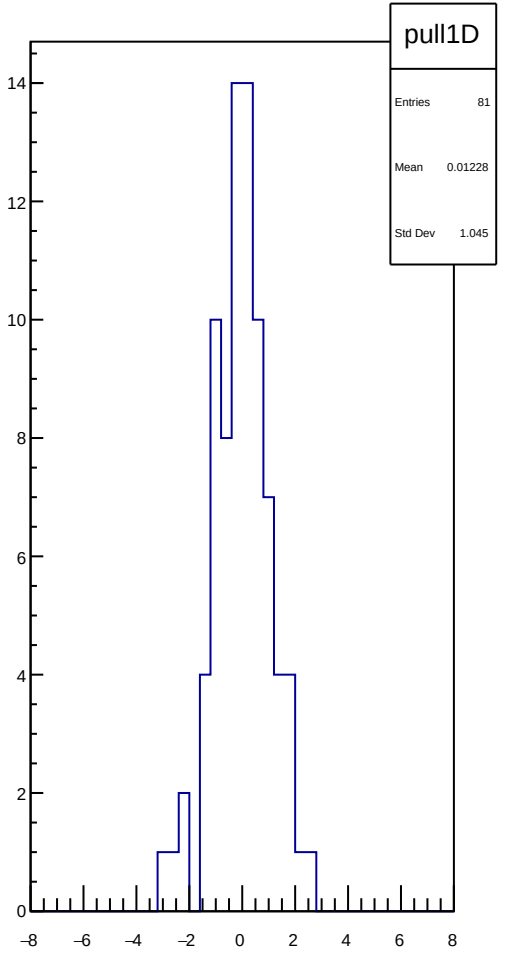

asym_us_dd_correction_rms vs run
χ² / ndf 1.041e+04 / 80
p0 2095 ± 1.694
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700

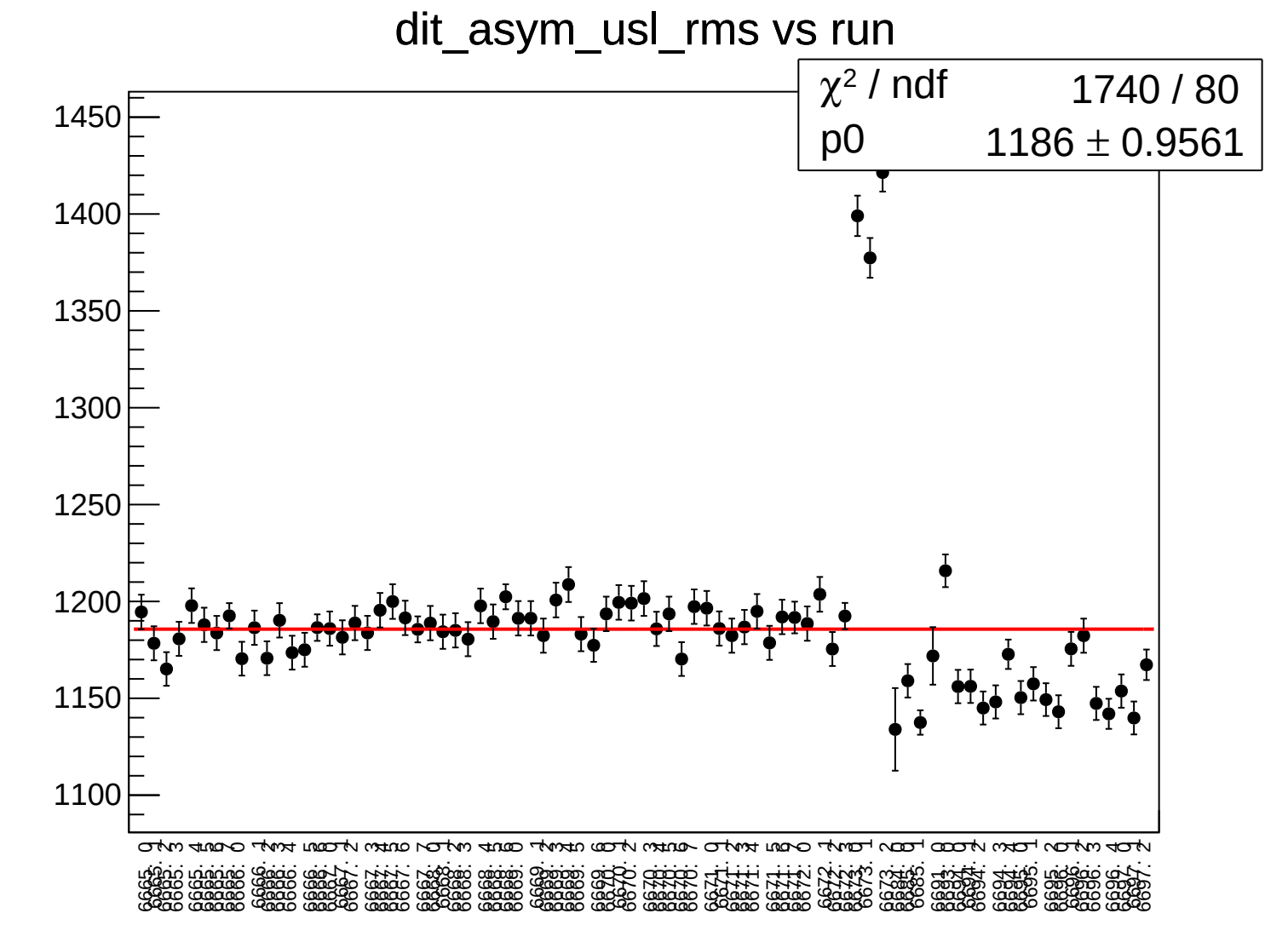

asym_us_dd_mean vs run
χ² / ndf 72.26 / 80
p0 −384.8 ± 1115
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 648.7
Std Dev 651.6
3
2
1
0
−1
−2

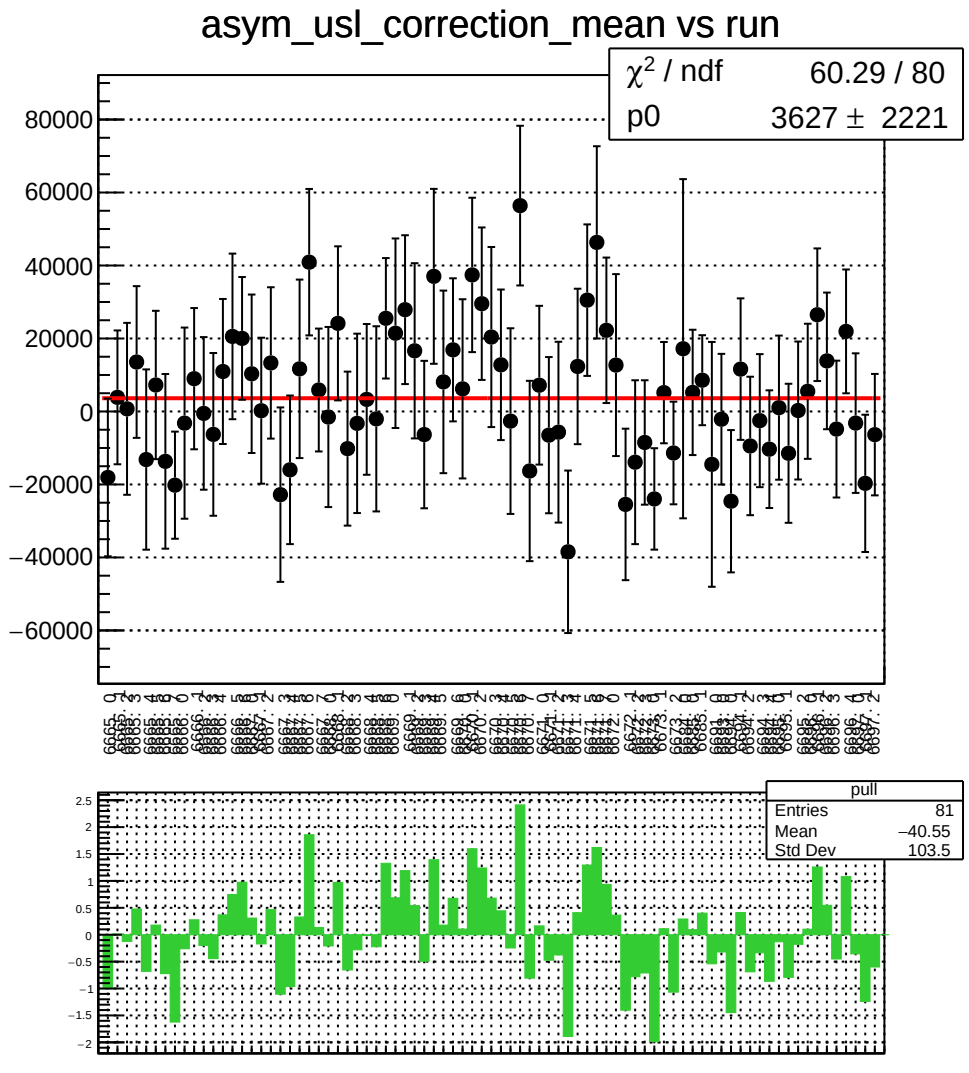

pull1D
Entries 81
Mean −0.001732
Std Dev 0.9445
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

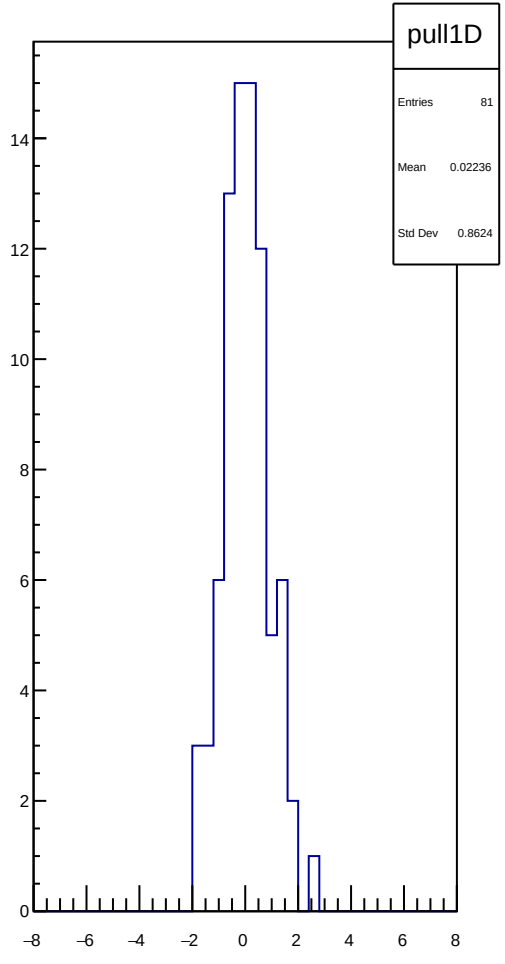

asym_us_dd_rms vs run
χ² / ndf 1246 / 80
p0 977.8 ± 0.7883
1060
1040
1020
1000
980
960
940
920

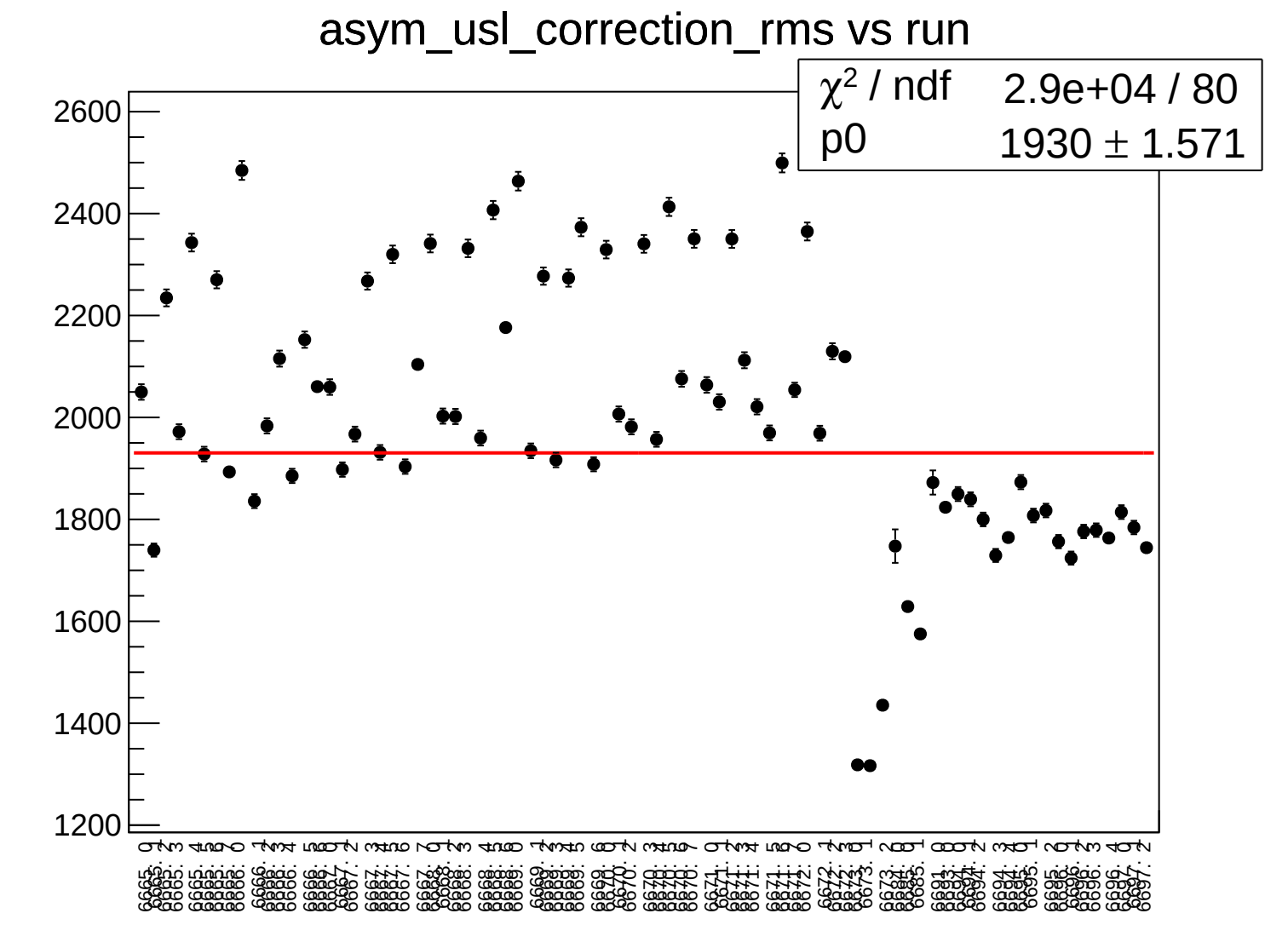

dit_asym_usl_mean vs run
χ² / ndf 88.53 / 80
p0 2952 ± 1352
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −86.39
Std Dev 98.4
2
1
0
−1
−2
−3

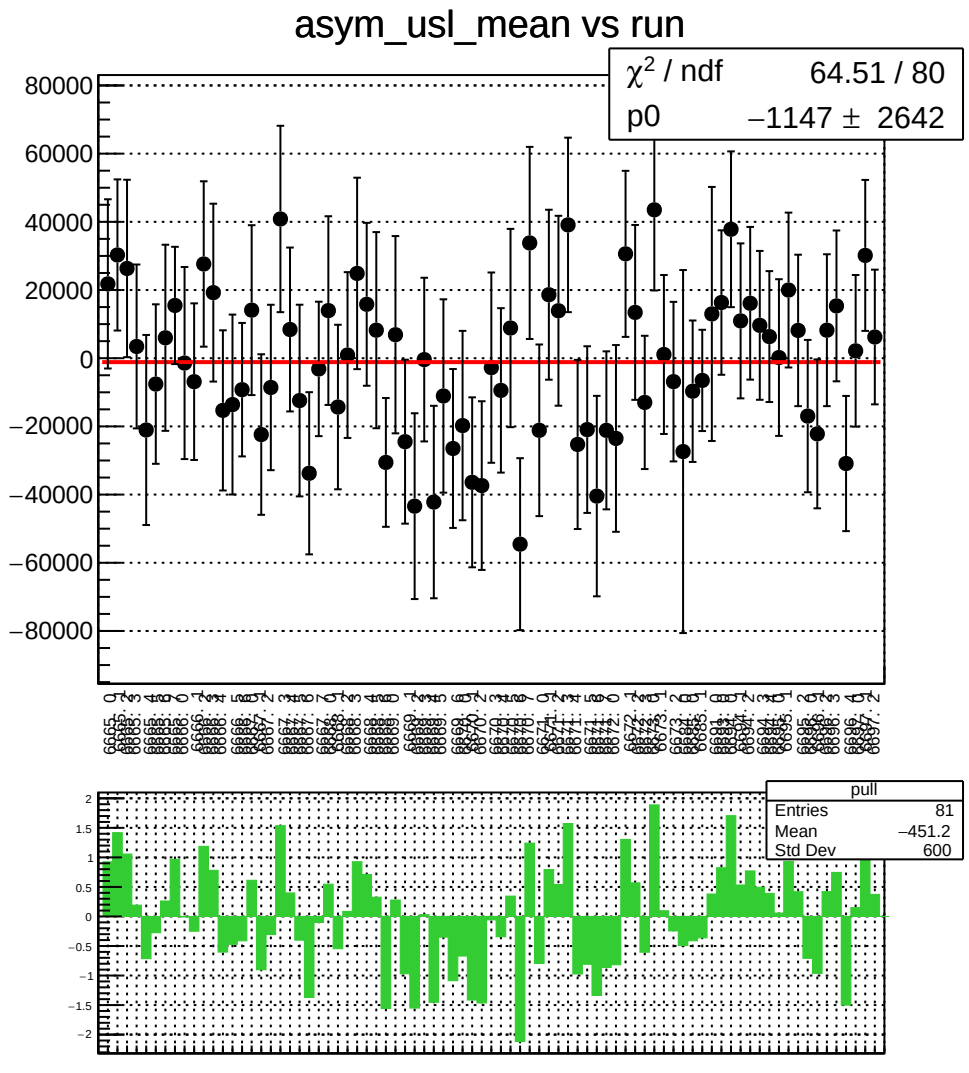

pull1D
Entries 81
Mean 0.01228
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

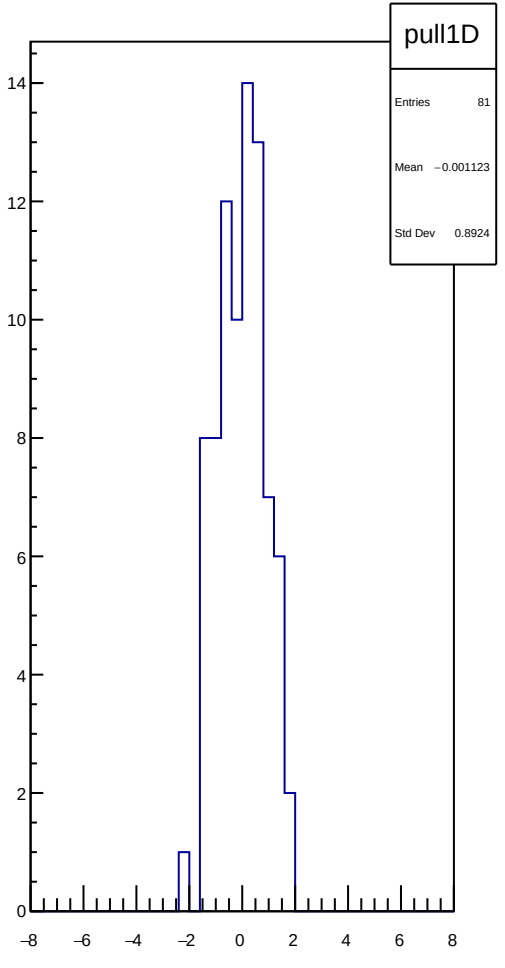

dit_asym_usl_rms vs run
χ² / ndf 1740 / 80
p0 1186 ± 0.9561
1450
1400
1350
1300
1250
1200
1150
1100

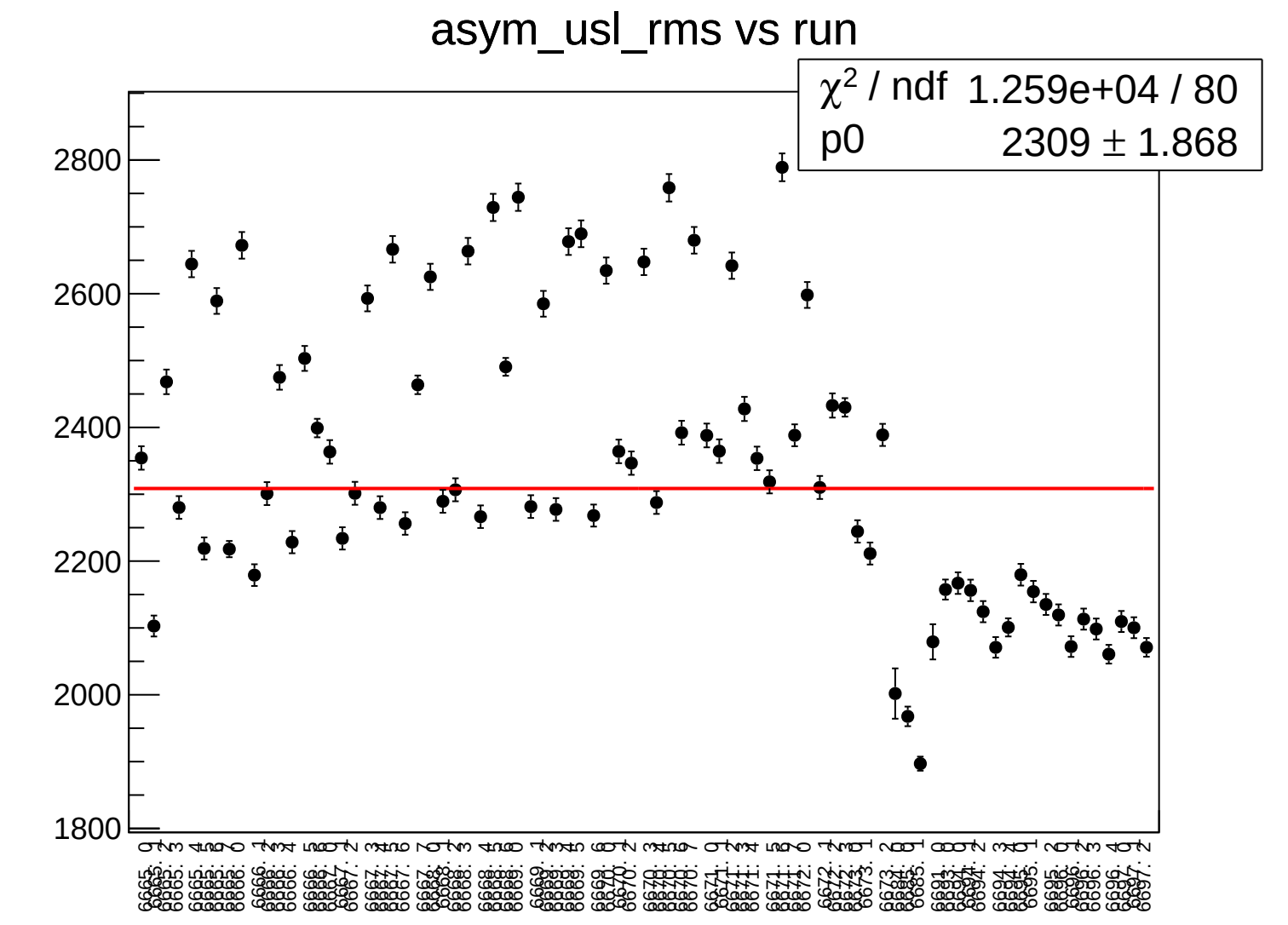

asym_usl_correction_mean vs run
χ² / ndf 60.29 / 80
p0 3627 ± 2221
pull
Entries 81
Mean −40.55
Std Dev 103.5

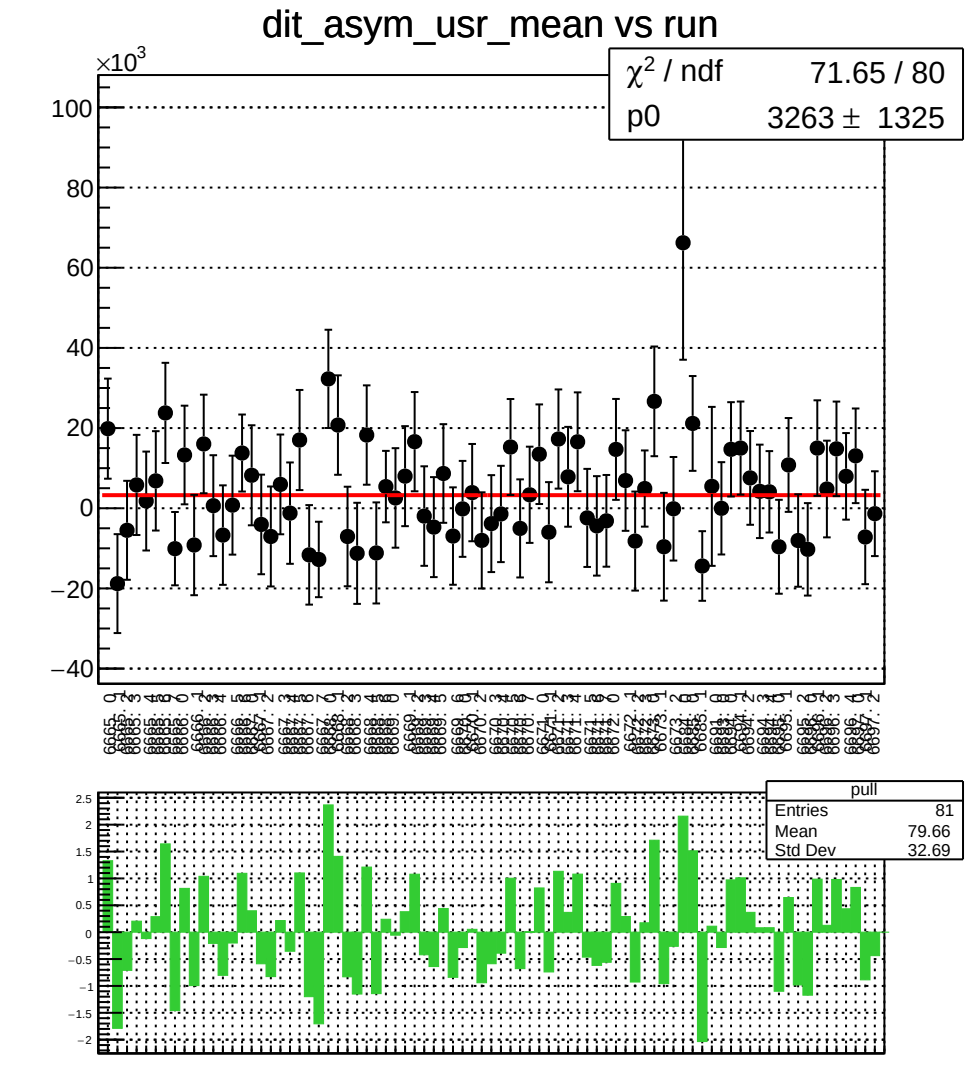

pull1D
Entries 81
Mean 0.02236
Std Dev 0.8624

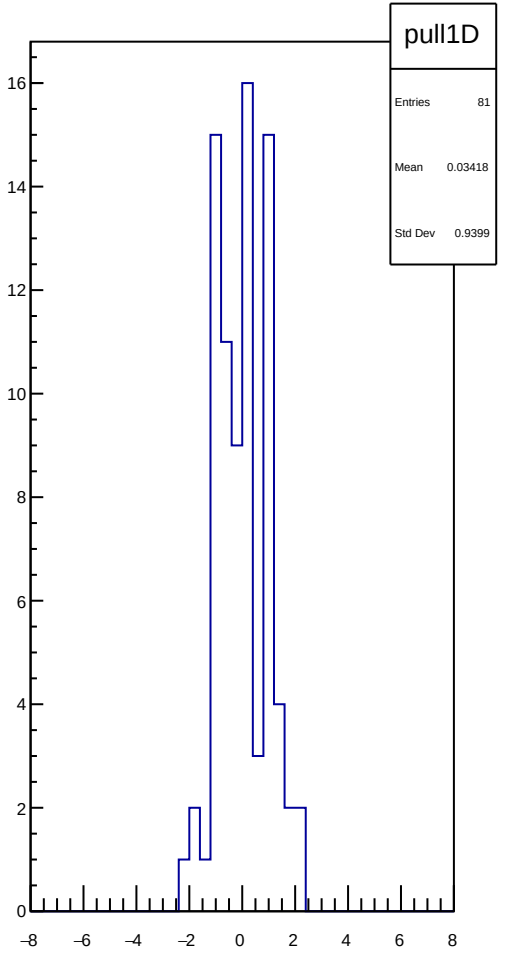

asym_usl_correction_rms vs run
χ² / ndf 2.9e+04 / 80
p0 1930 ± 1.571
2600
2400
2200
2000
1800
1600
1400
1200

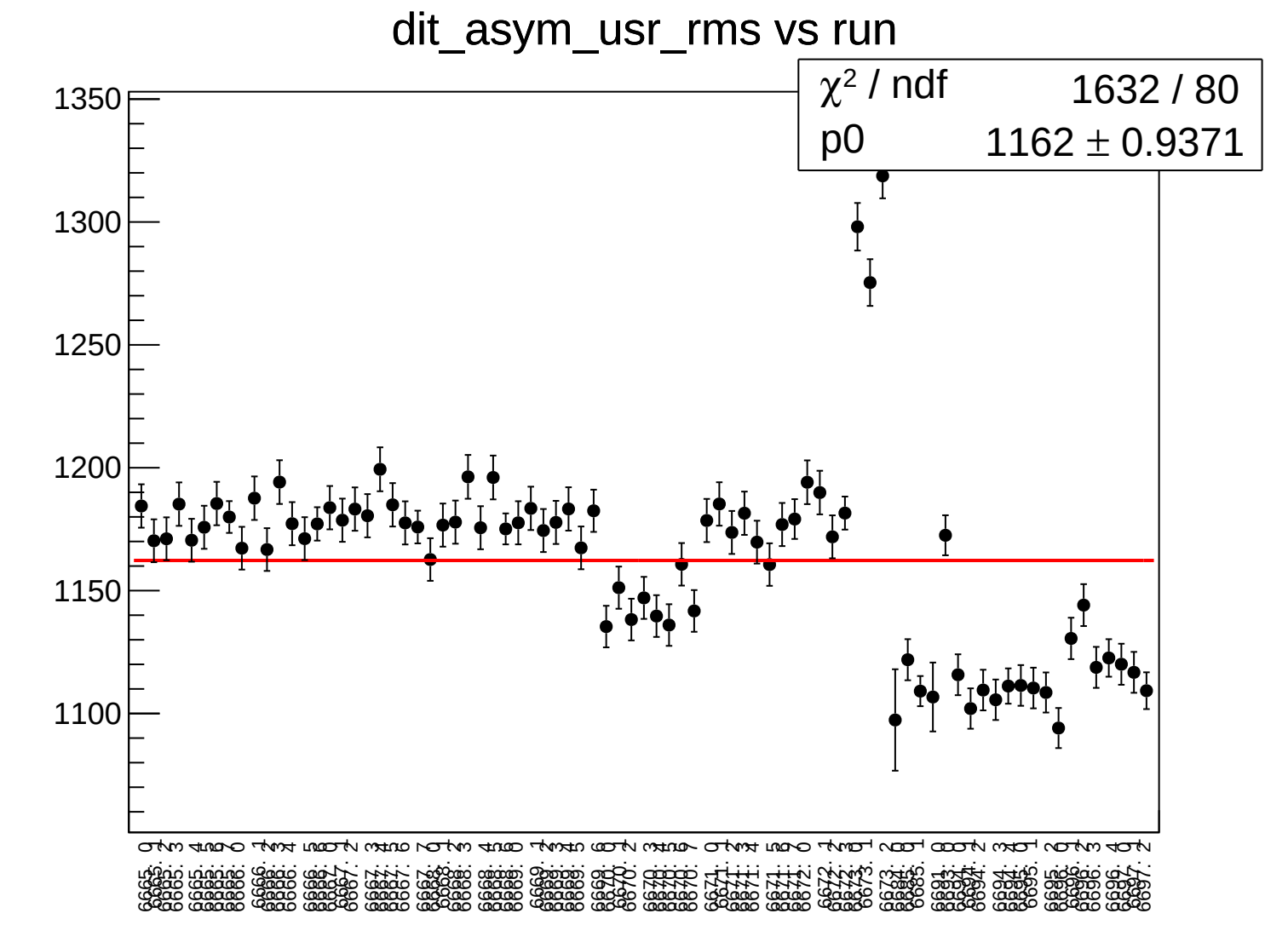

asym_usl_mean vs run
χ² / ndf 64.51 / 80
p0 −1147 ± 2642
pull
Entries 81
Mean −451.2
Std Dev 600

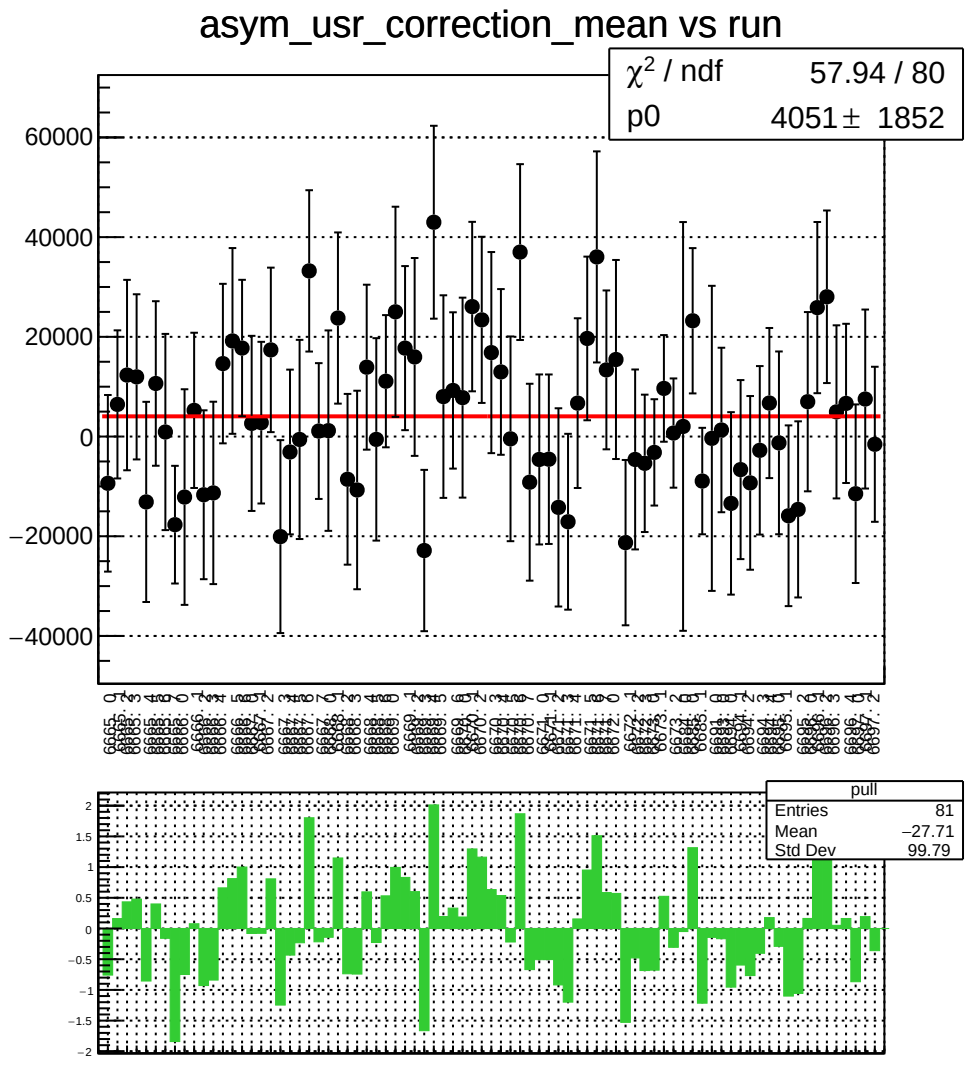

pull1D
Entries 81
Mean −0.001123
Std Dev 0.8924

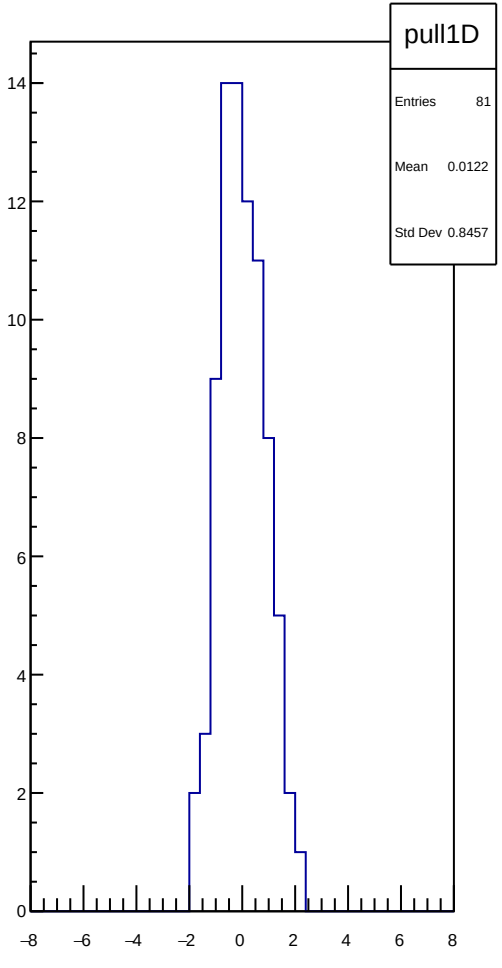

asym_usl_rms vs run
χ² / ndf 1.259e+04 / 80
p0 2309 ± 1.868
2800
2600
2400
2200
2000
1800

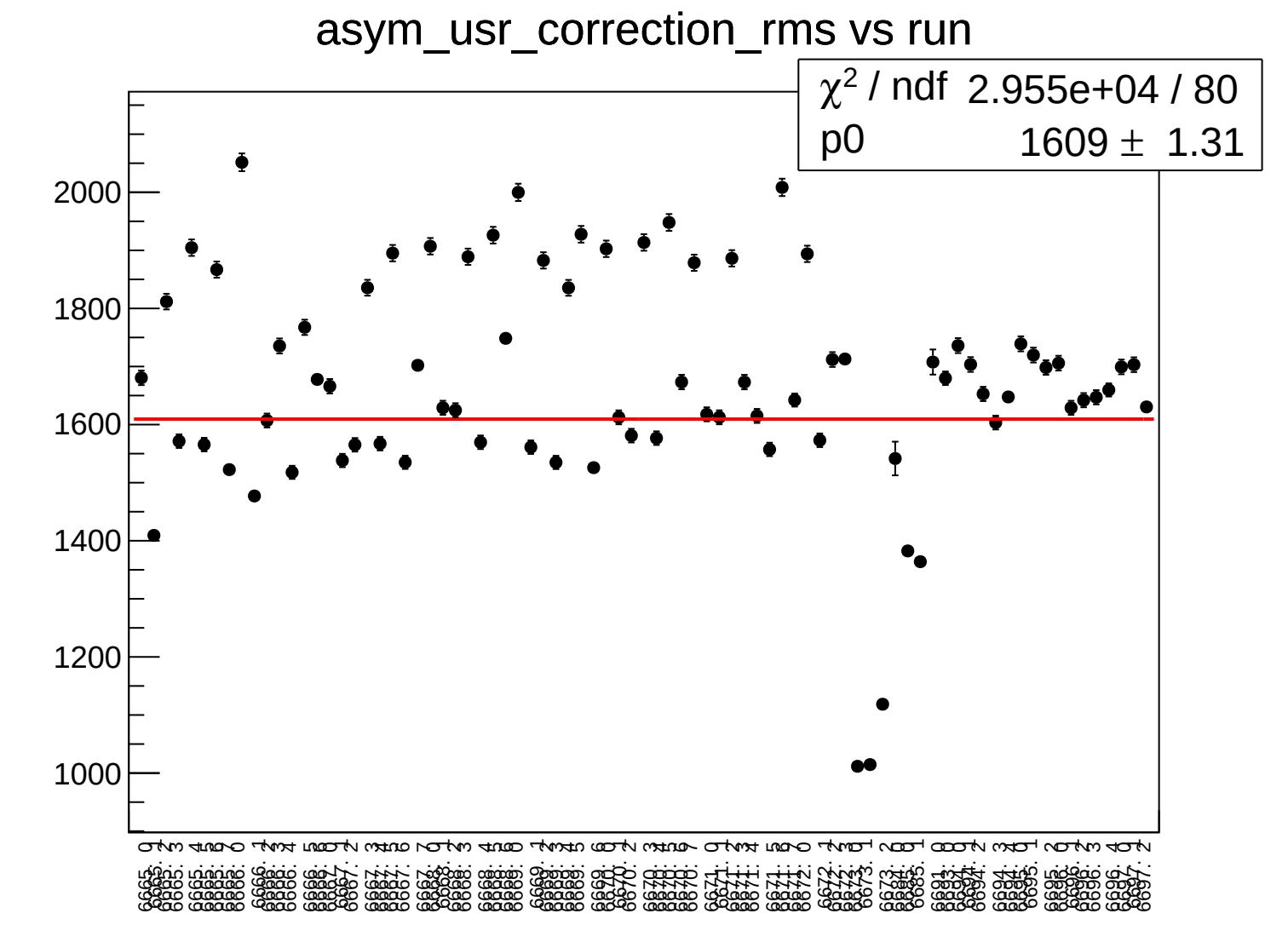

dit_asym_usr_mean vs run
×10^3
χ^2 / ndf 71.65 / 80
p0 3263 ± 1325
pull
Entries 81
Mean 79.66
Std Dev 32.69

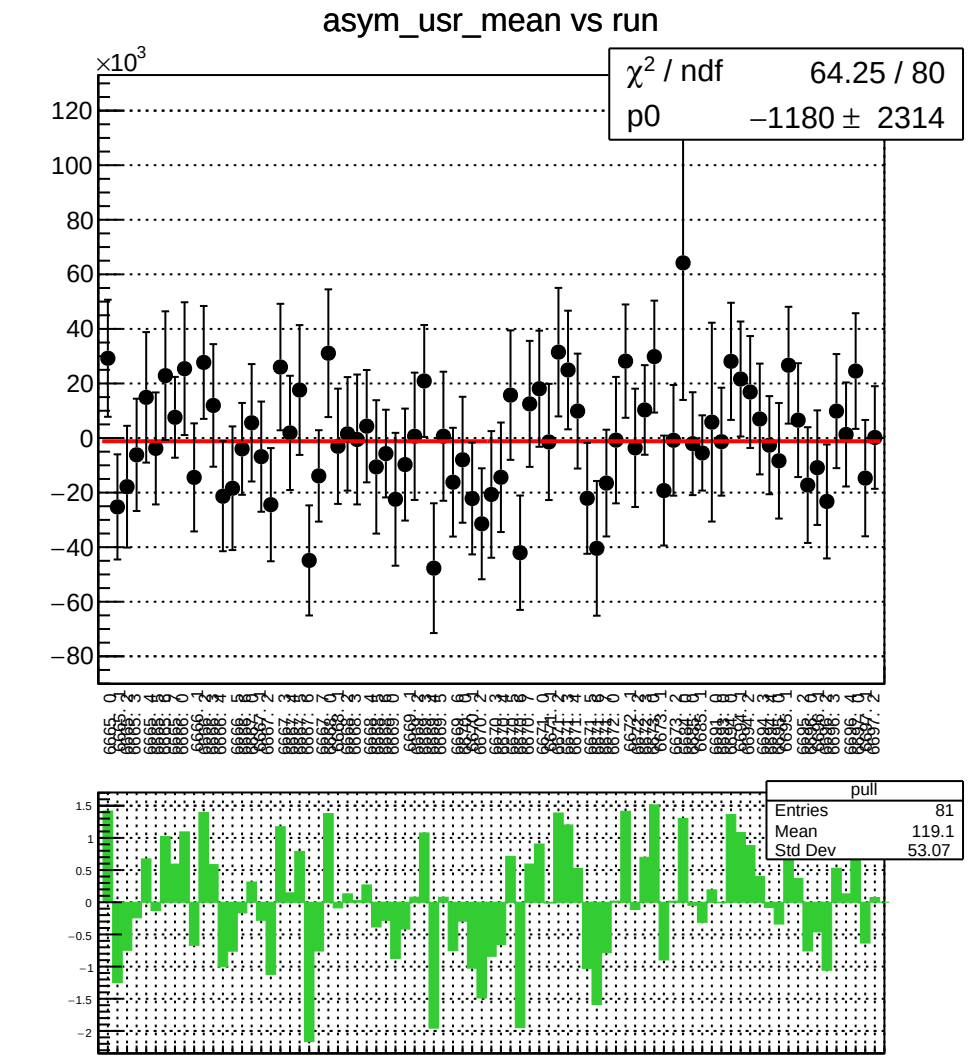

pull1D
Entries 81
Mean 0.03418
Std Dev 0.9399

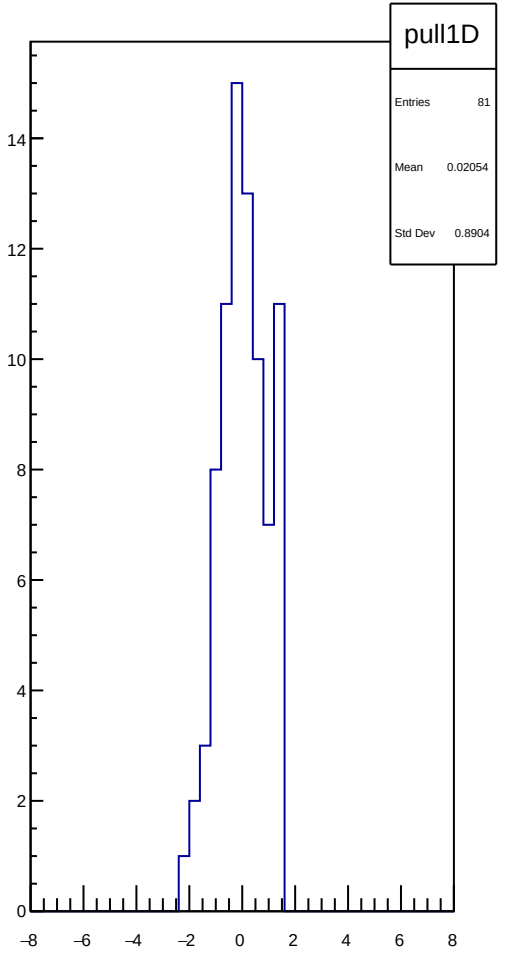

dit_asym_usr_rms vs run
χ² / ndf 1632 / 80
p0 1162 ± 0.9371
1350
1300
1250
1200
1150
1100

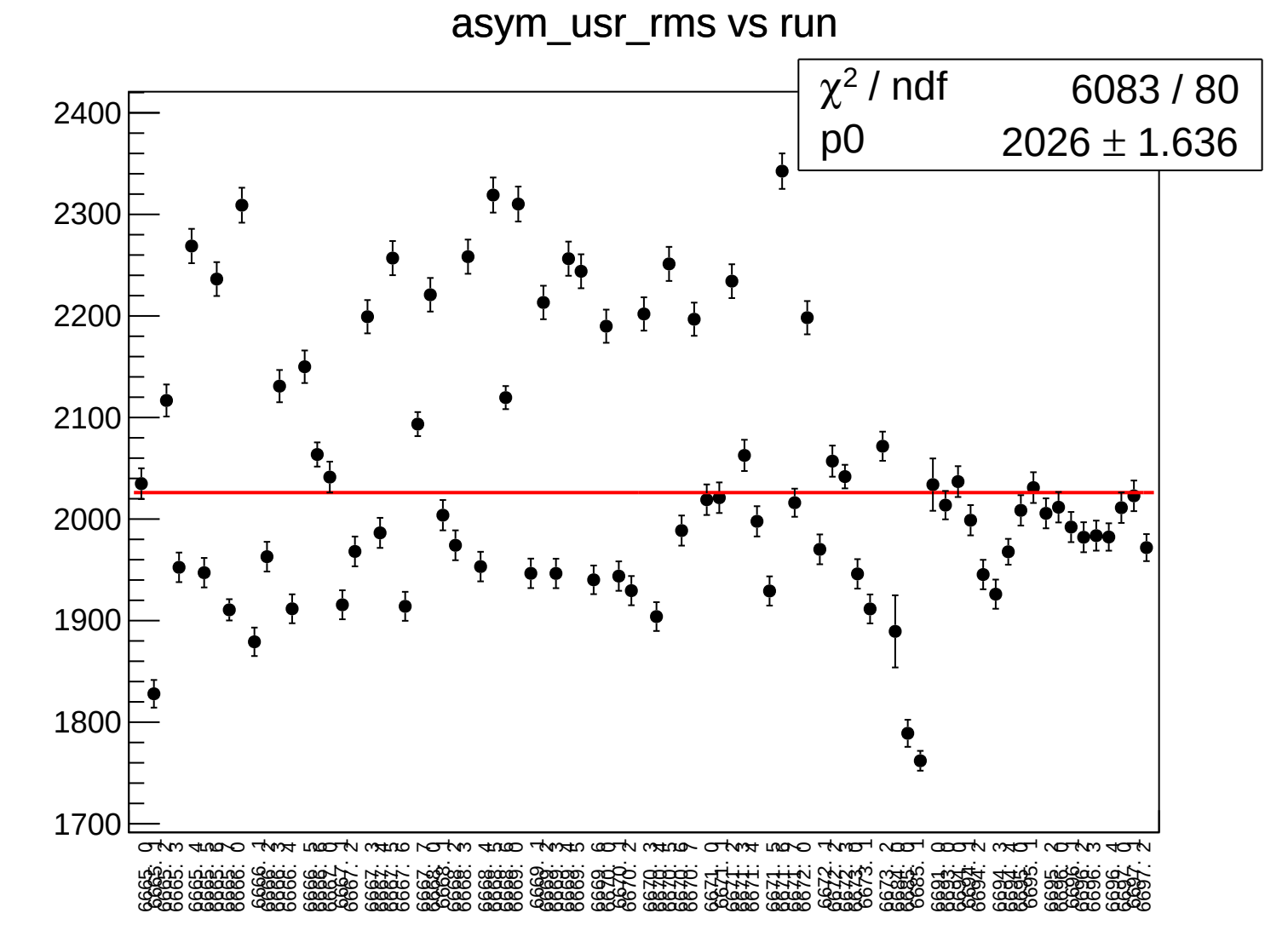

asym_usr_correction_mean vs run
χ² / ndf 57.94 / 80
p0 4051 ± 1852
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −27.71
Std Dev 99.79
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

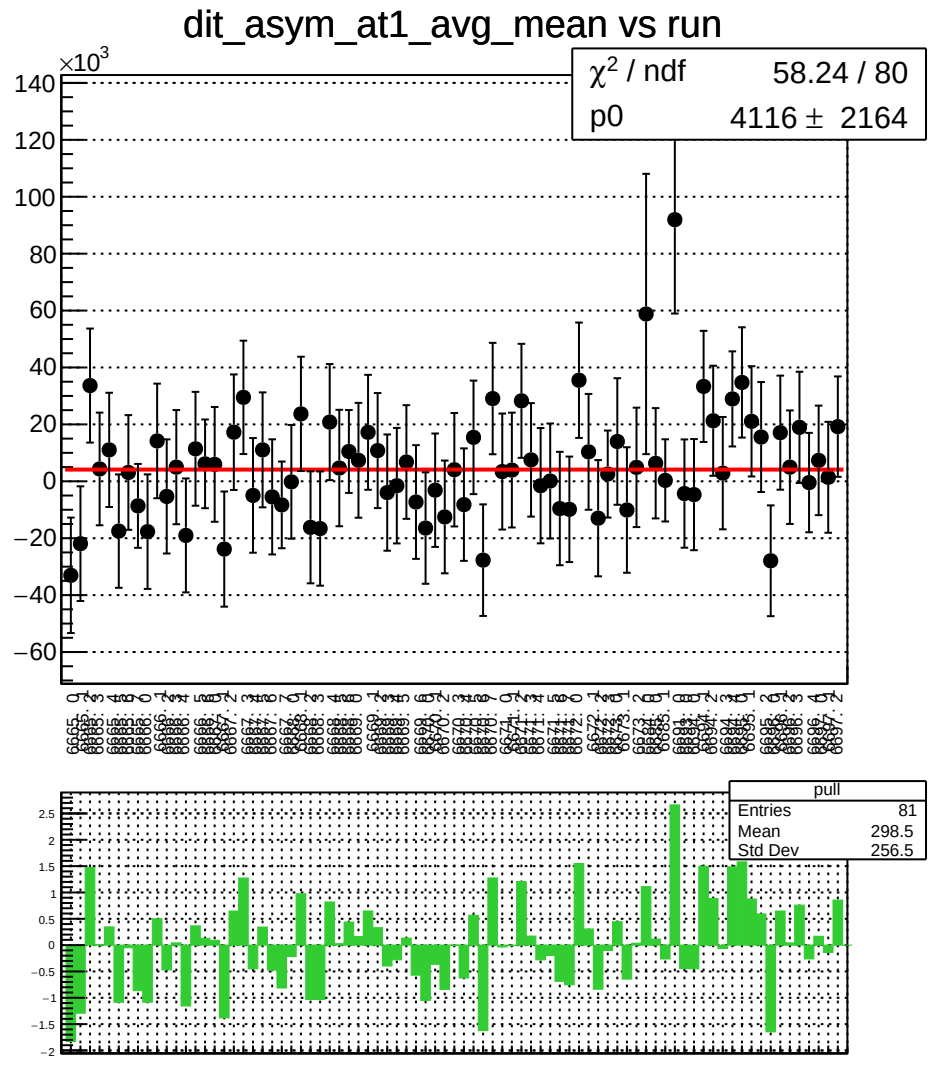

pull1D
Entries 81
Mean 0.0122
Std Dev 0.8457
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

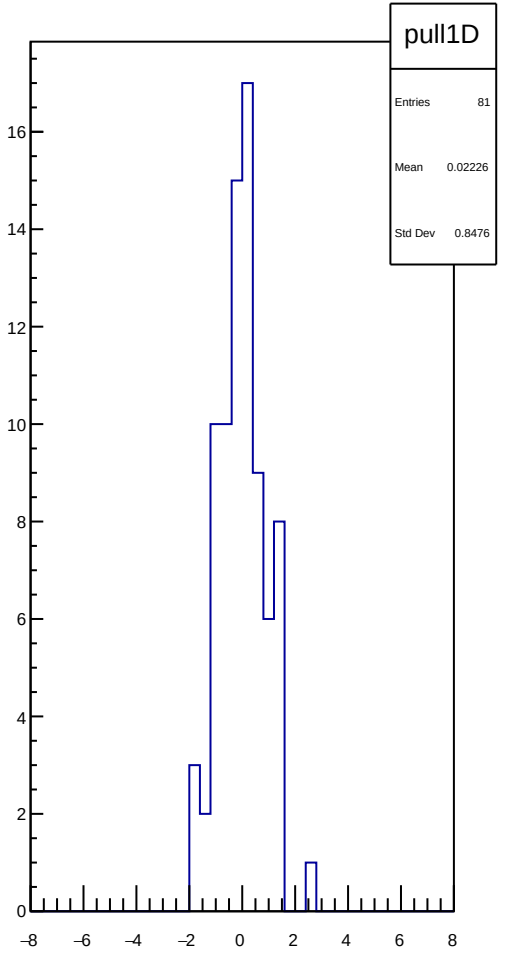

asym_usr_correction_rms vs run
χ² / ndf 2.955e+04 / 80
p0 1609 ± 1.31
2000
1800
1600
1400
1200
1000

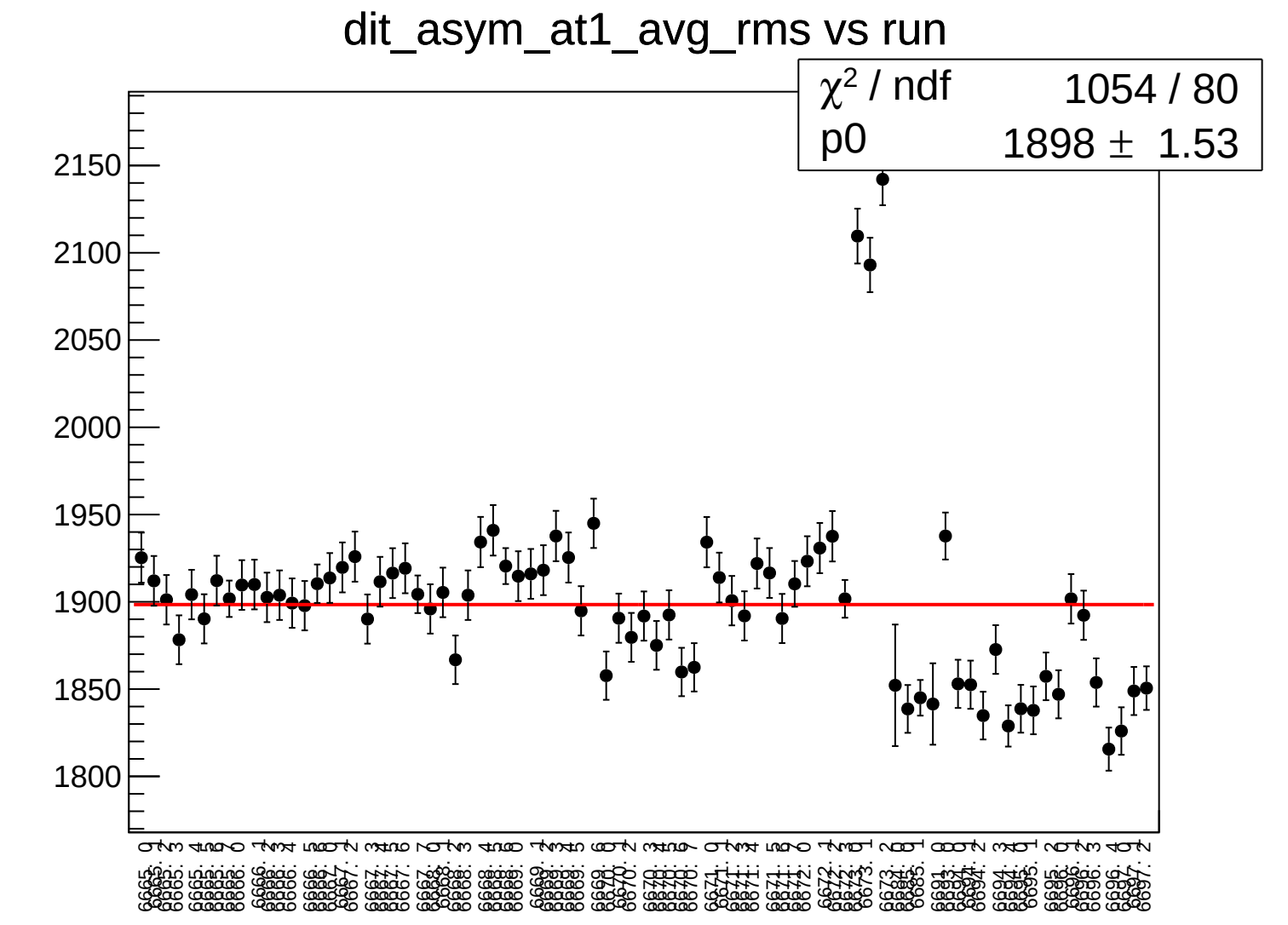

asym_usr_mean vs run
×10^3
χ^2 / ndf 64.25 / 80
p0 −1180 ± 2314
pull
Entries 81
Mean 119.1
Std Dev 53.07

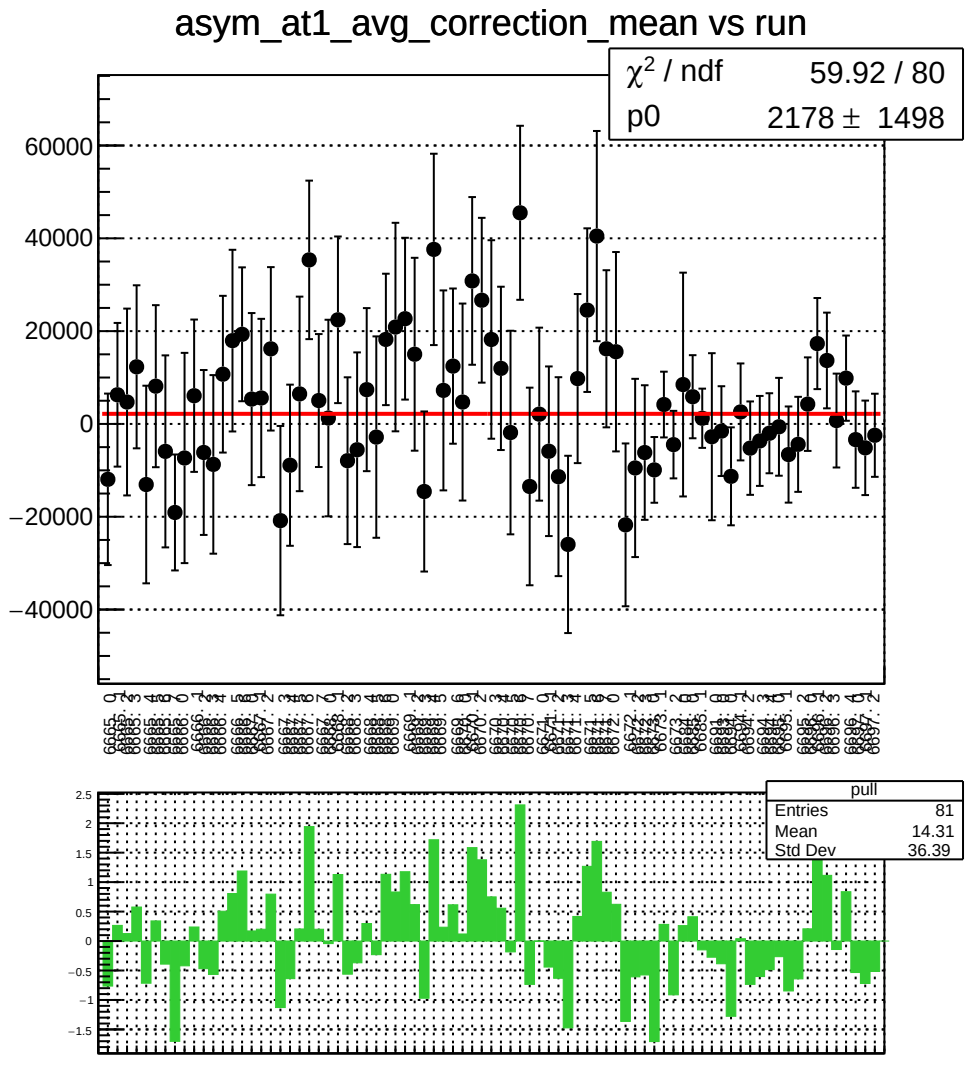

pull1D
Entries 81
Mean 0.02054
Std Dev 0.8904

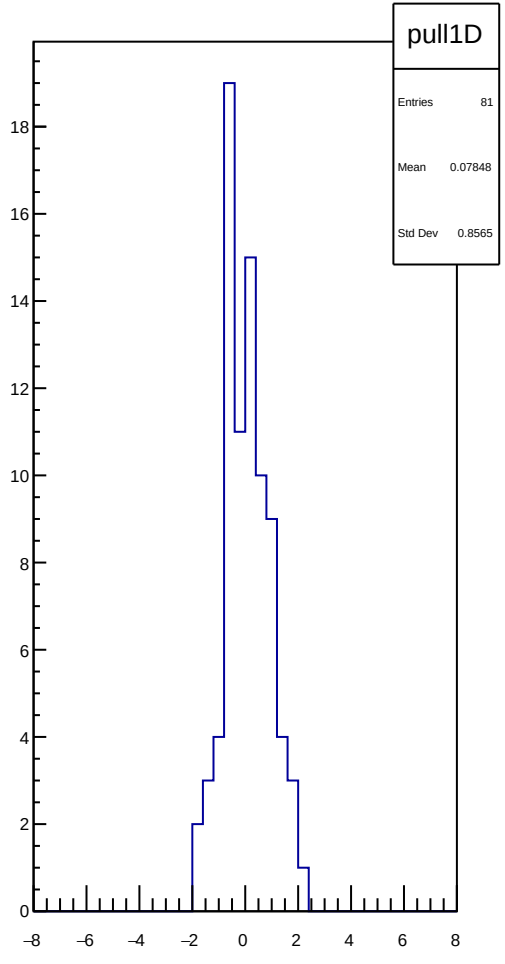

asym_usr_rms vs run
χ² / ndf 6083 / 80
p0 2026 ± 1.636
2400
2300
2200
2100
2000
1900
1800
1700

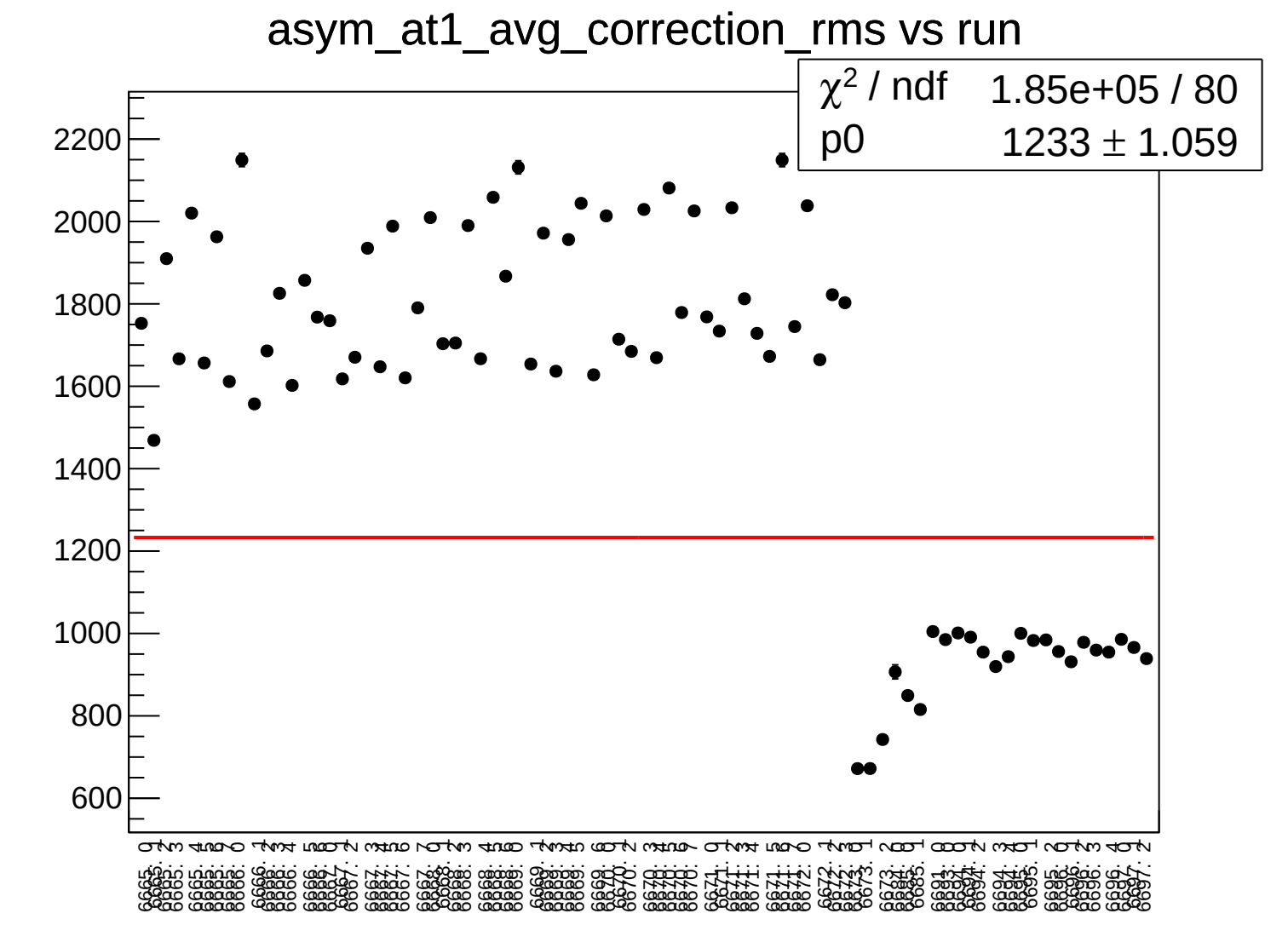

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 58.24 / 80
p0 4116 ± 2164
pull
Entries 81
Mean 298.5
Std Dev 256.5

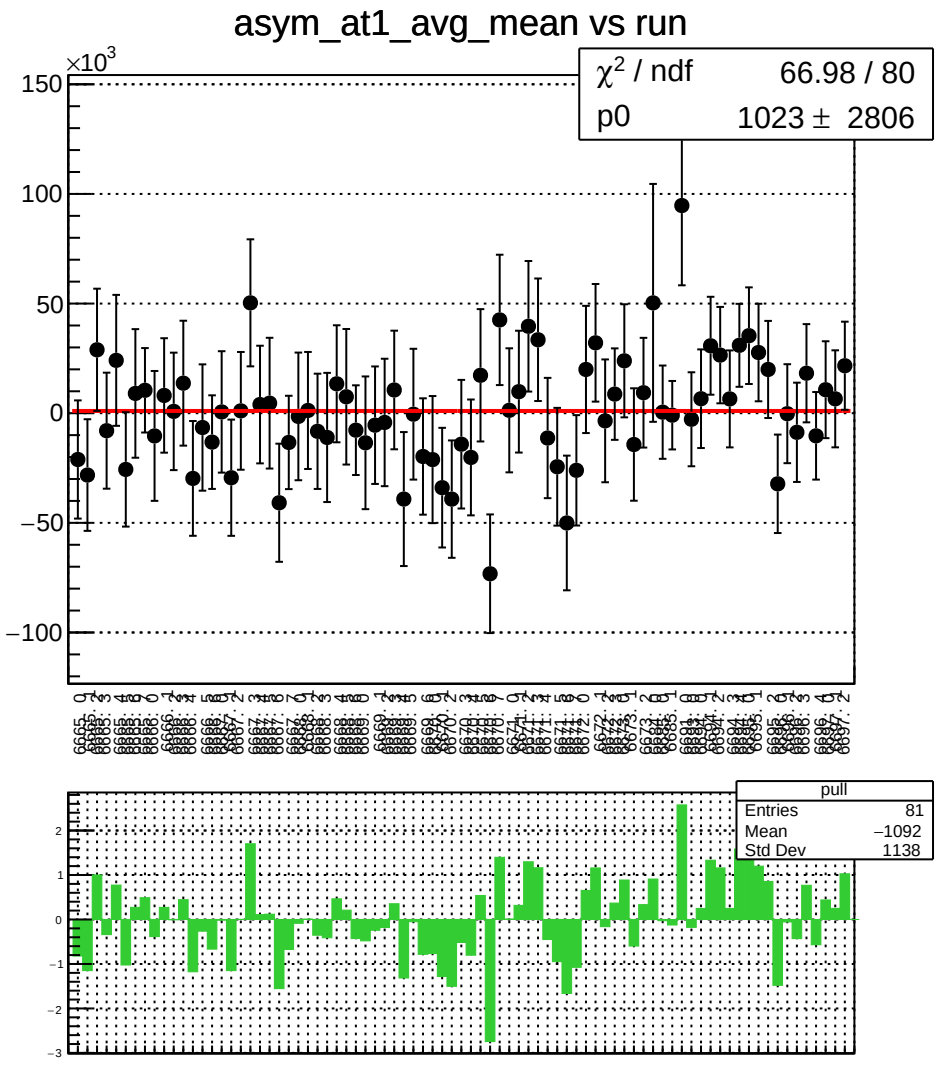

pull1D
Entries 81
Mean 0.02226
Std Dev 0.8476

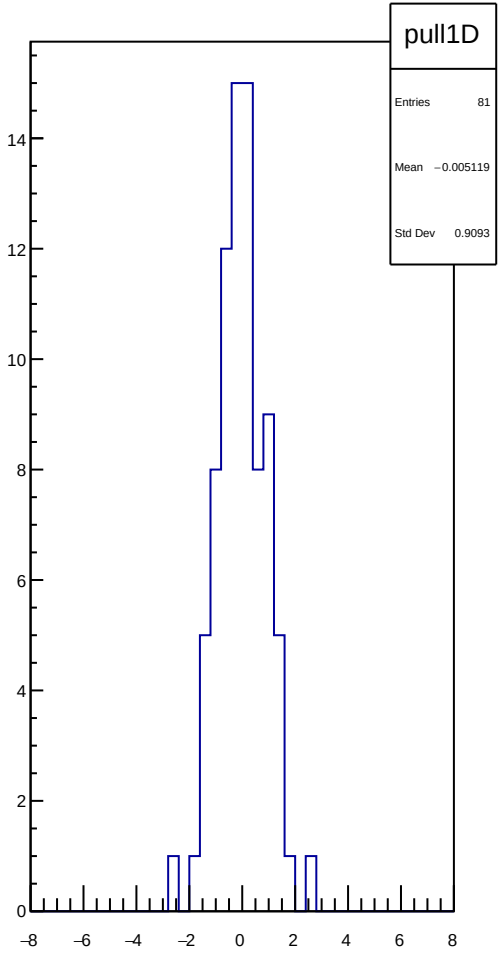

dit_asym_at1_avg_rms vs run
χ² / ndf 1054 / 80
p0 1898 ± 1.53
2150
2100
2050
2000
1950
1900
1850
1800

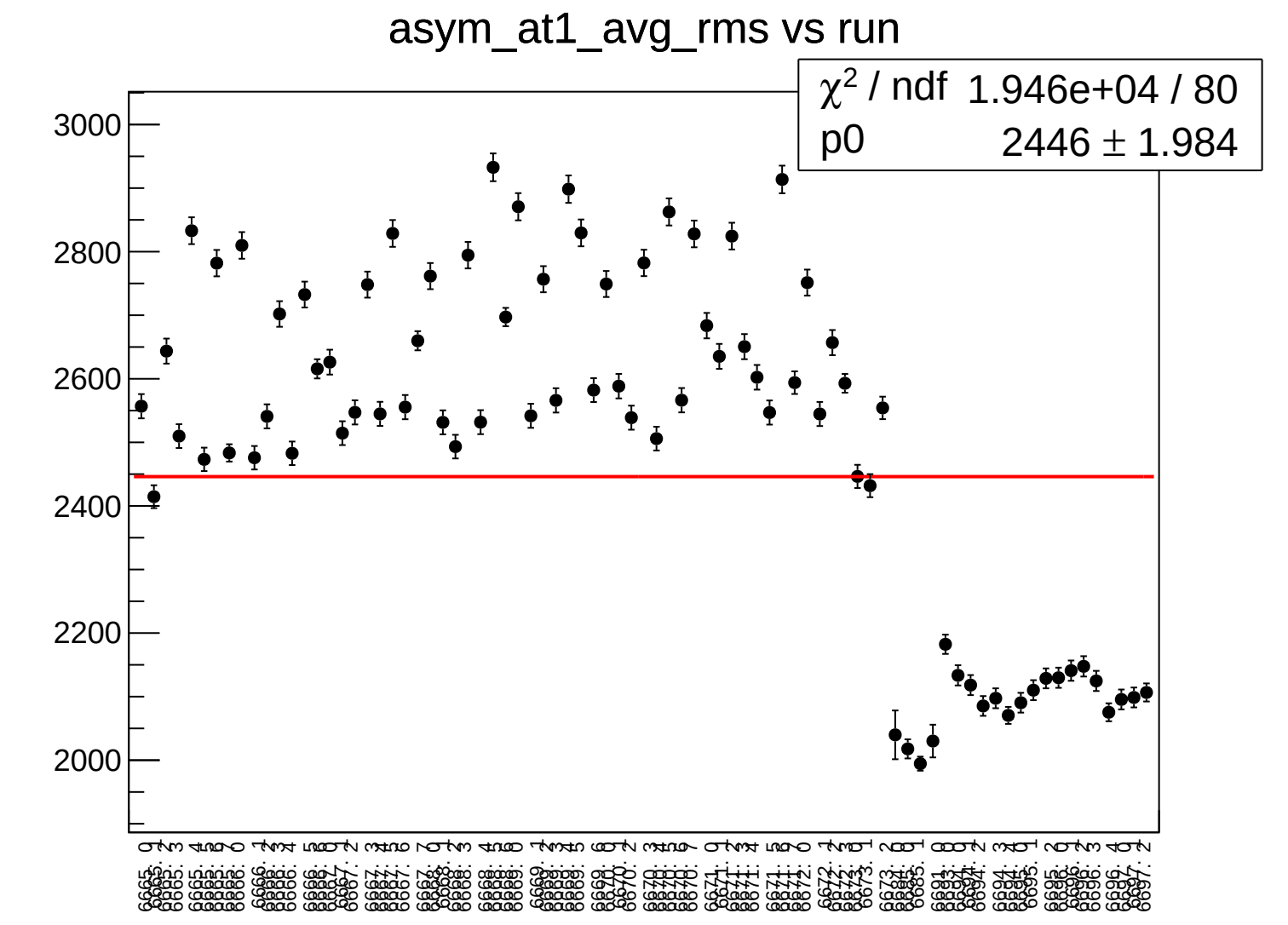

asym_at1_avg_correction_mean vs run
χ² / ndf 59.92 / 80
p0 2178 ± 1498
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 14.31
Std Dev 36.39
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

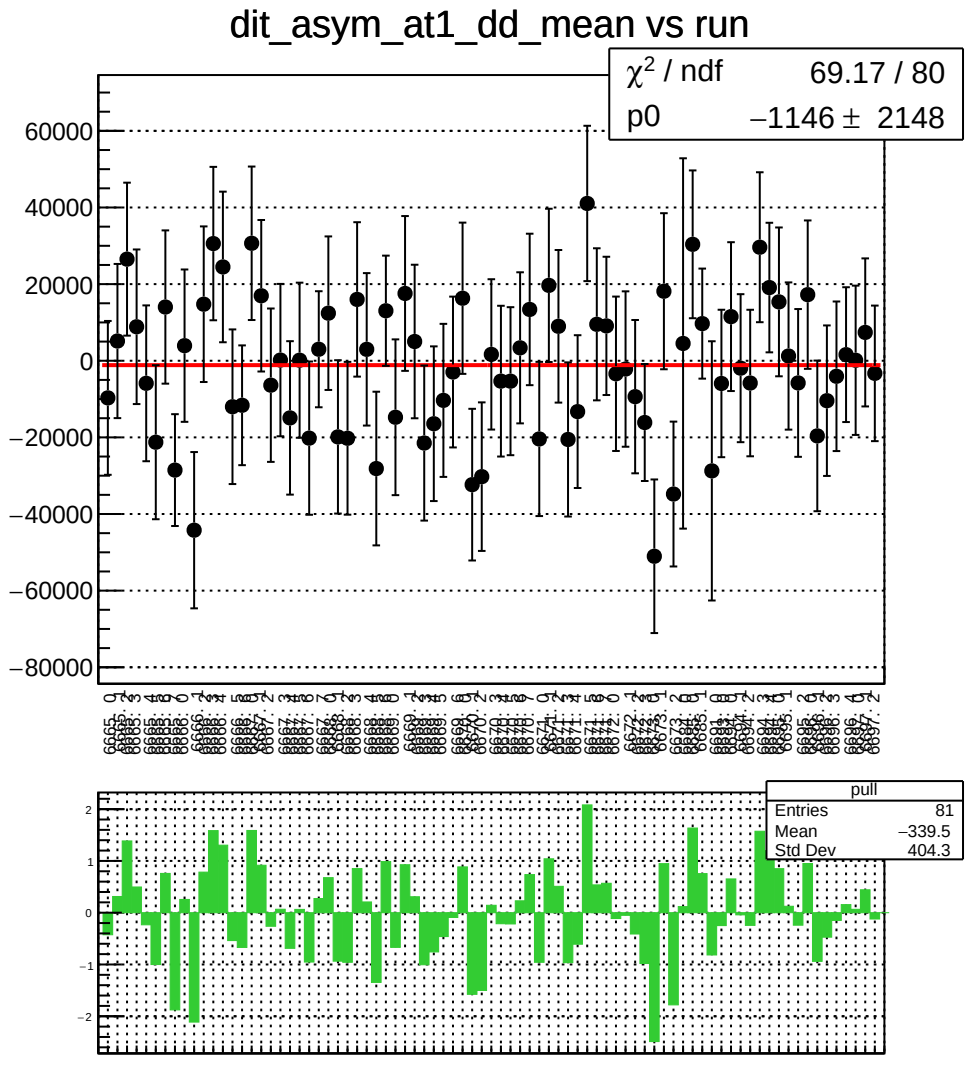

pull1D
Entries 81
Mean 0.07848
Std Dev 0.8565
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

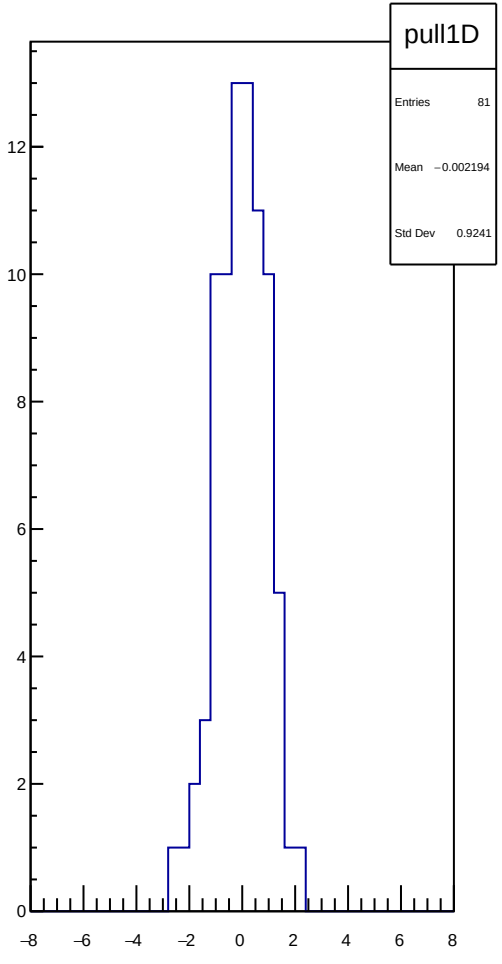

asym_at1_avg_correction_rms vs run
χ² / ndf 1.85e+05 / 80
p0 1233 ± 1.059
2200
2000
1800
1600
1400
1200
1000
800
600

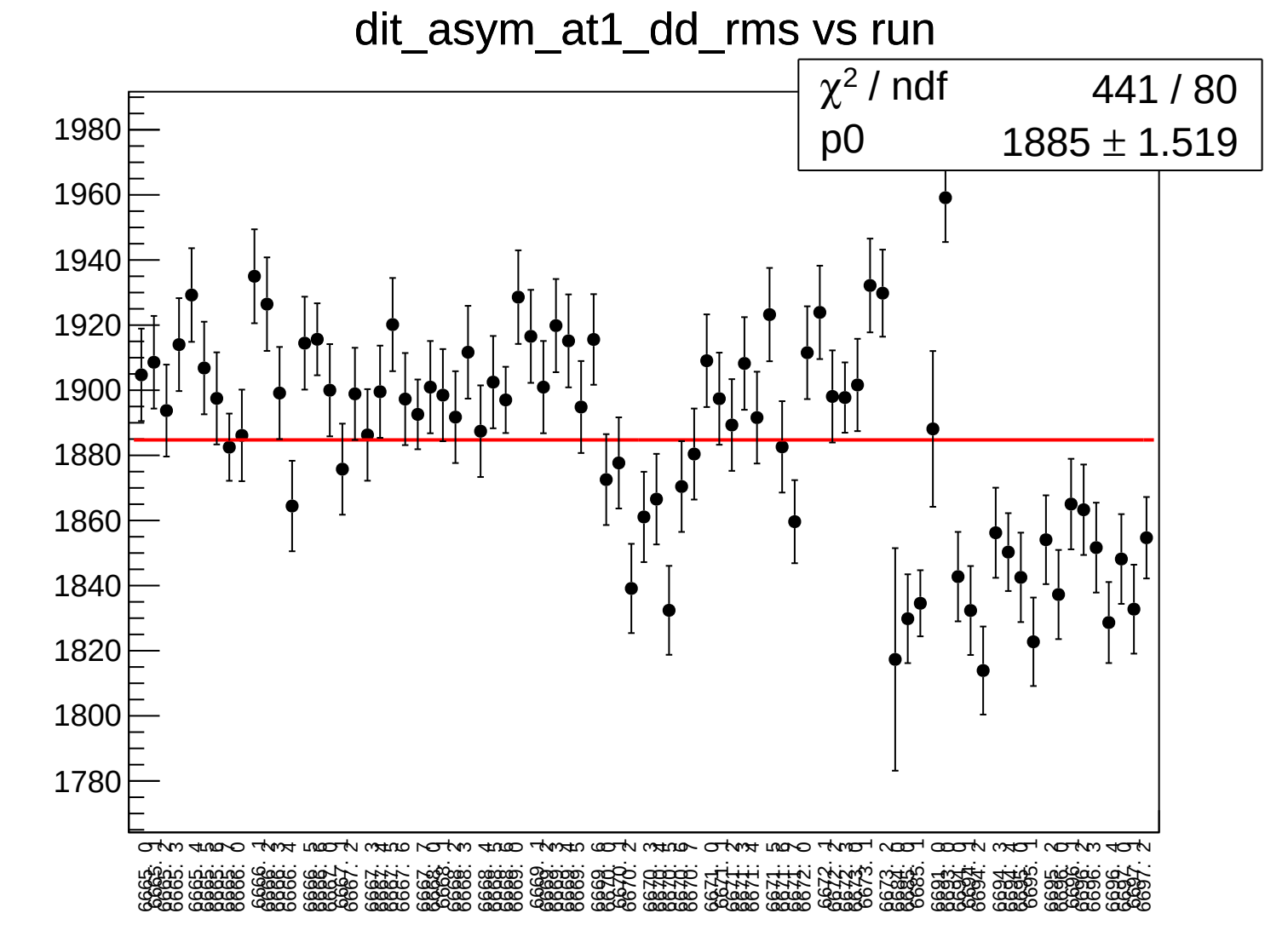

asym_at1_avg_mean vs run
×10^3
χ² / ndf 66.98 / 80
p0 1023 ± 2806
150
100
50
0
−50
−100
pull
Entries 81
Mean −1092
Std Dev 1138
2
1
0
−1
−2
−3

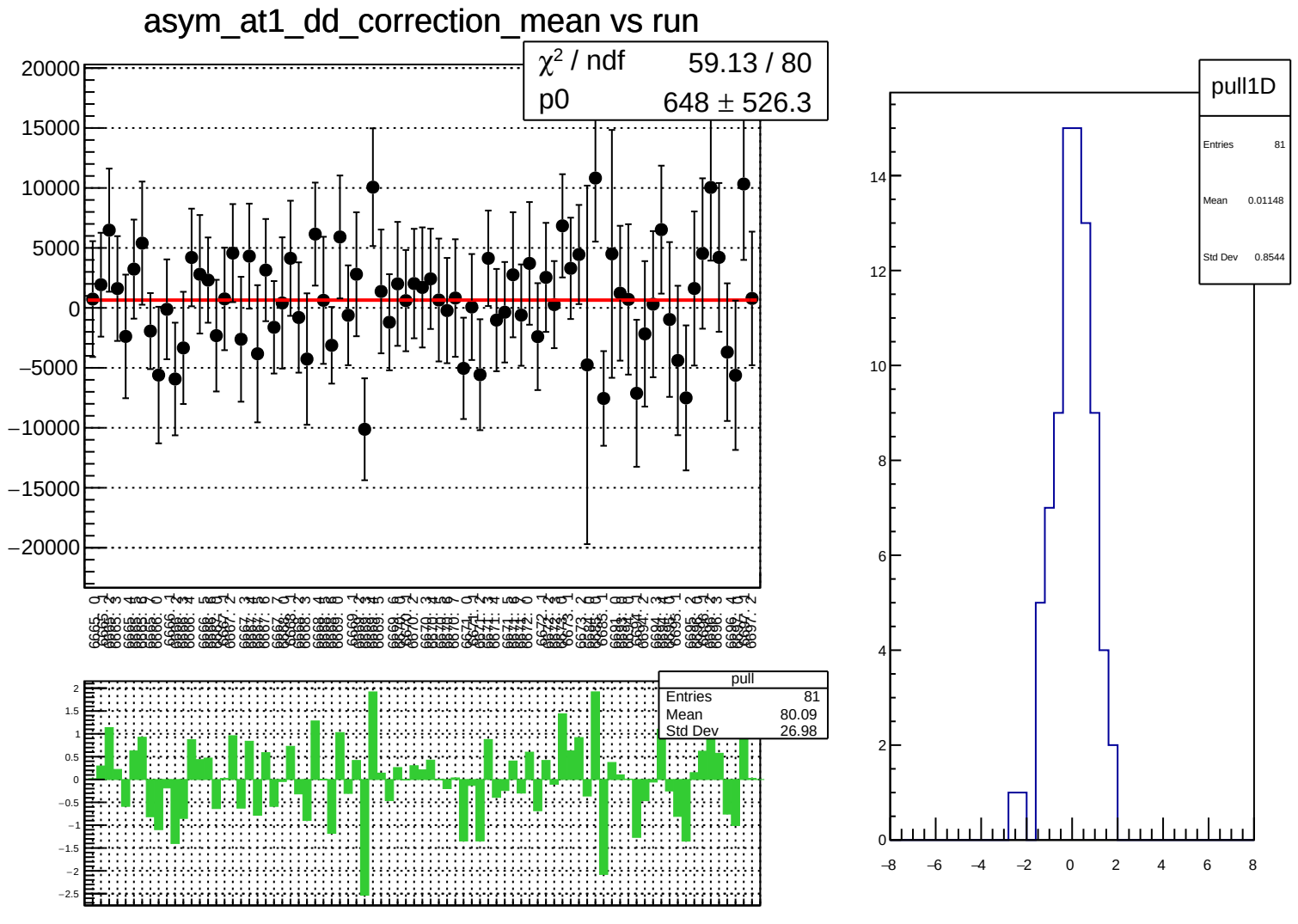

pull1D
Entries 81
Mean −0.005119
Std Dev 0.9093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

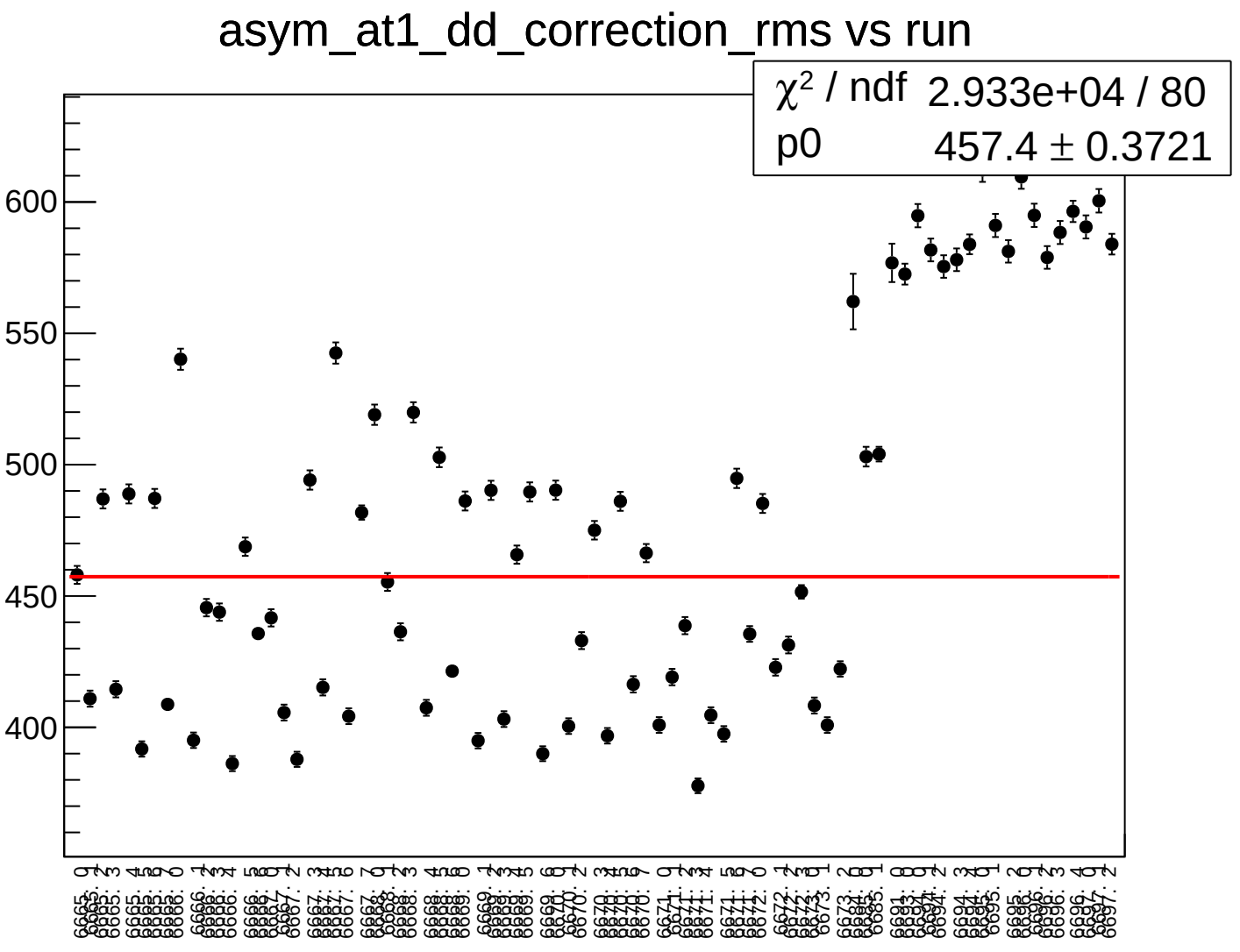

asym_at1_avg_rms vs run
χ² / ndf 1.946e+04 / 80
p0 2446 ± 1.984
3000
2800
2600
2400
2200
2000

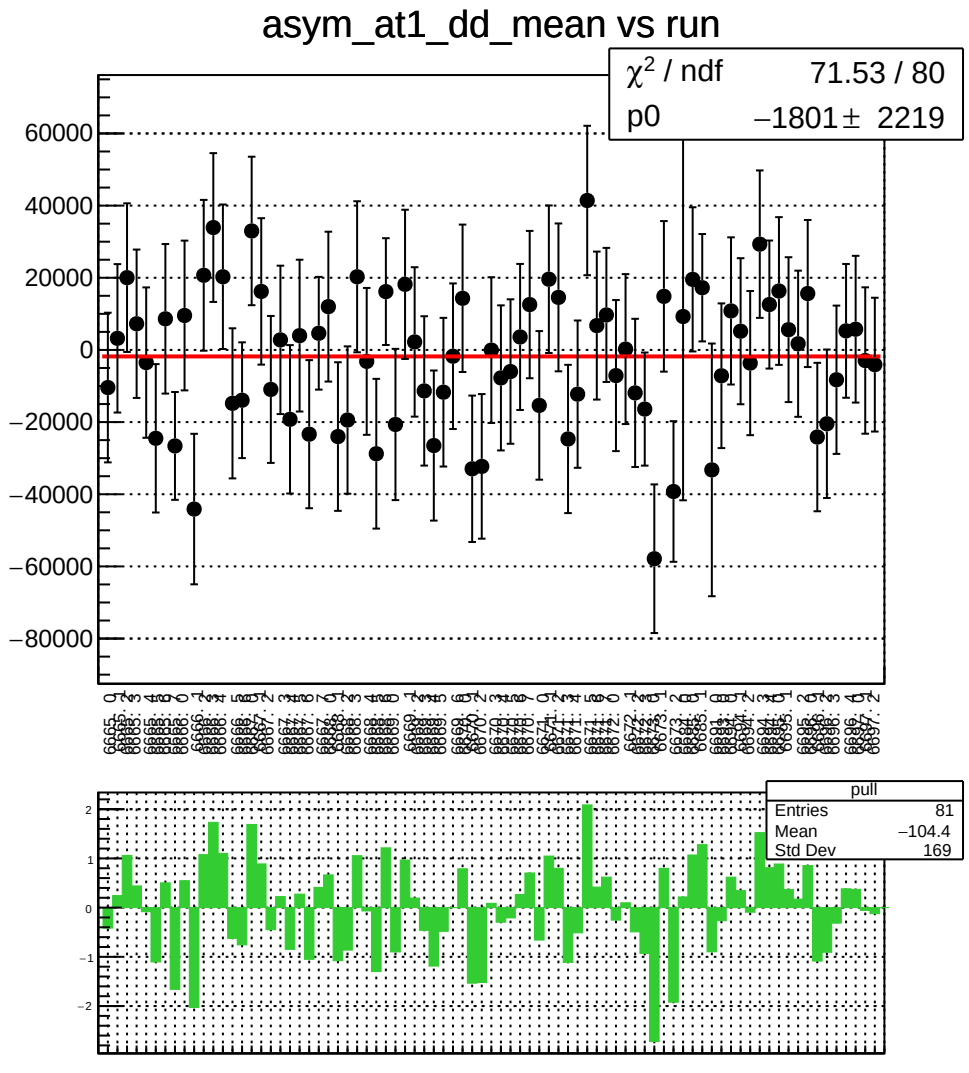

dit_asym_at1_dd_mean vs run
χ² / ndf 69.17 / 80
p0 −1146 ± 2148
pull
Entries 81
Mean −339.5
Std Dev 404.3

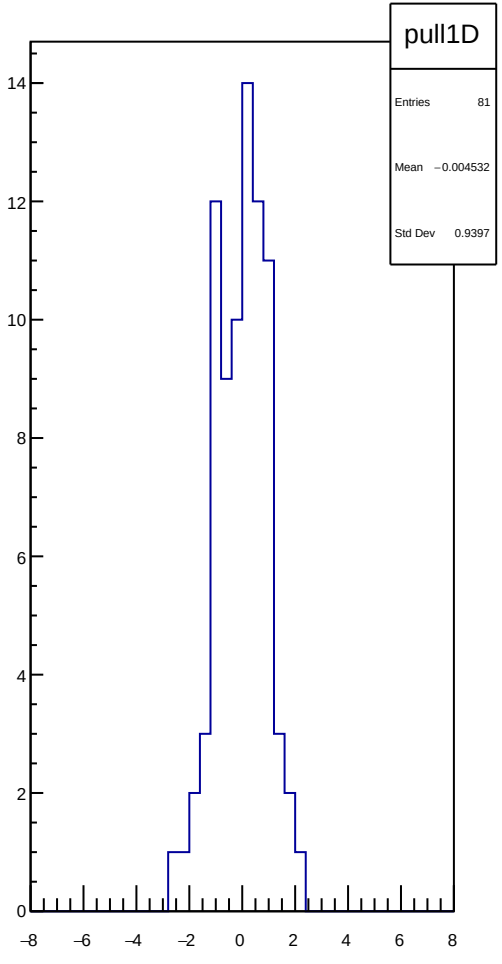

pull1D
Entries 81
Mean −0.002194
Std Dev 0.9241

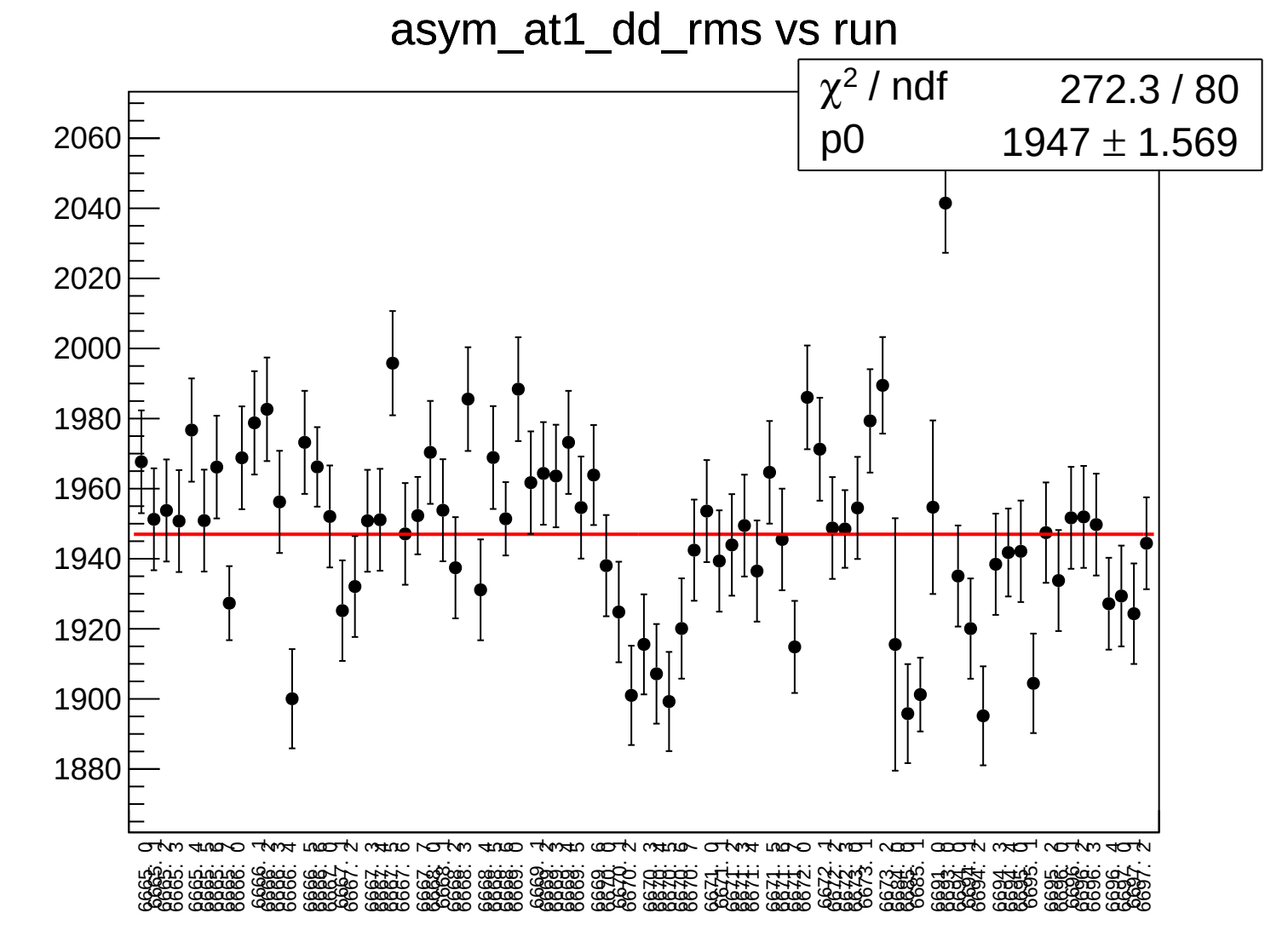

dit_asym_at1_dd_rms vs run
χ² / ndf 441 / 80
p0 1885 ± 1.519
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780

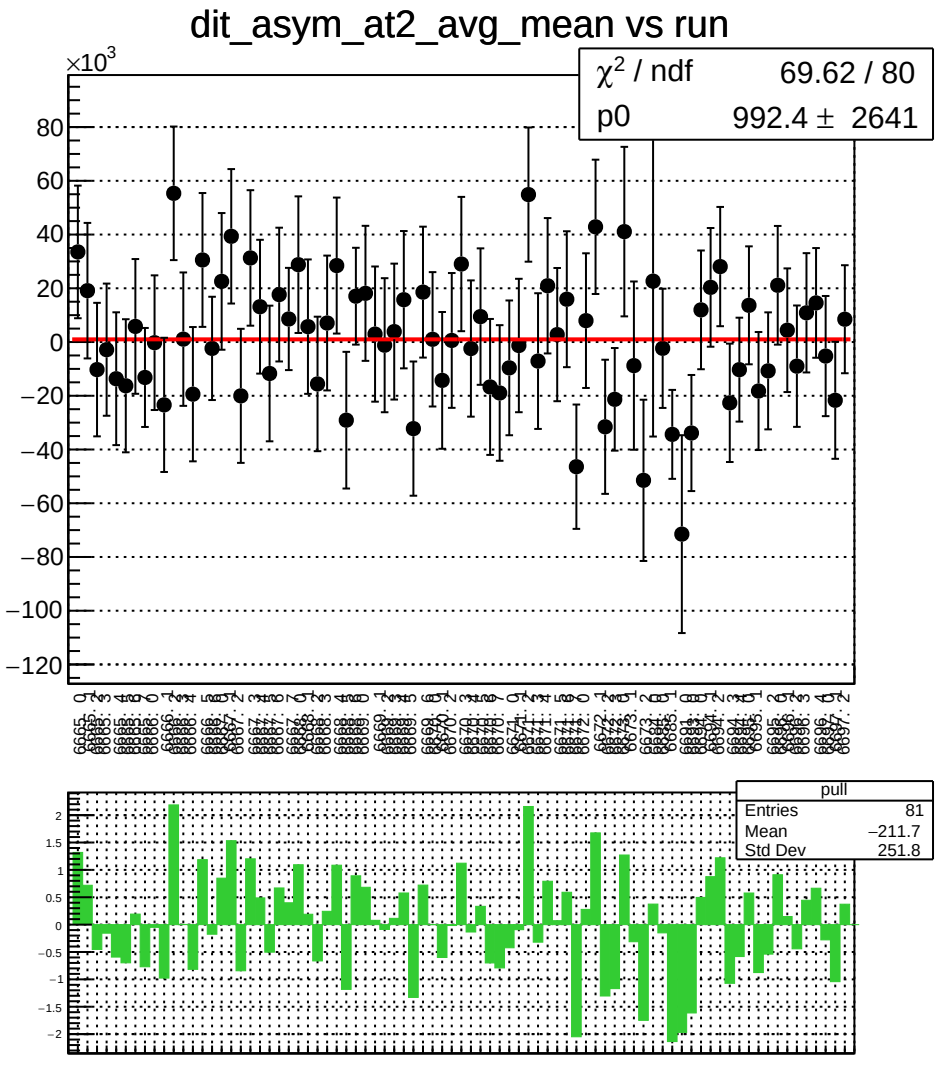

asym_at1_dd_correction_mean vs run
χ² / ndf 59.13 / 80
p0 648 ± 526.3
pull
Entries 81
Mean 80.09
Std Dev 26.98
pull1D
Entries 81
Mean 0.01148
Std Dev 0.8544

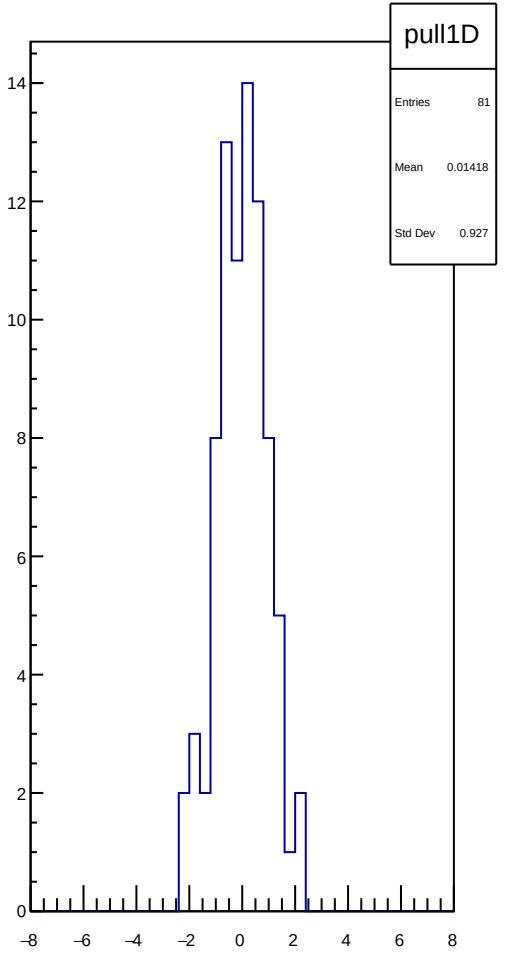

asym_at1_dd_correction_rms vs run
χ² / ndf 2.933e+04 / 80
p0 457.4 ± 0.3721
600
550
500
450
400

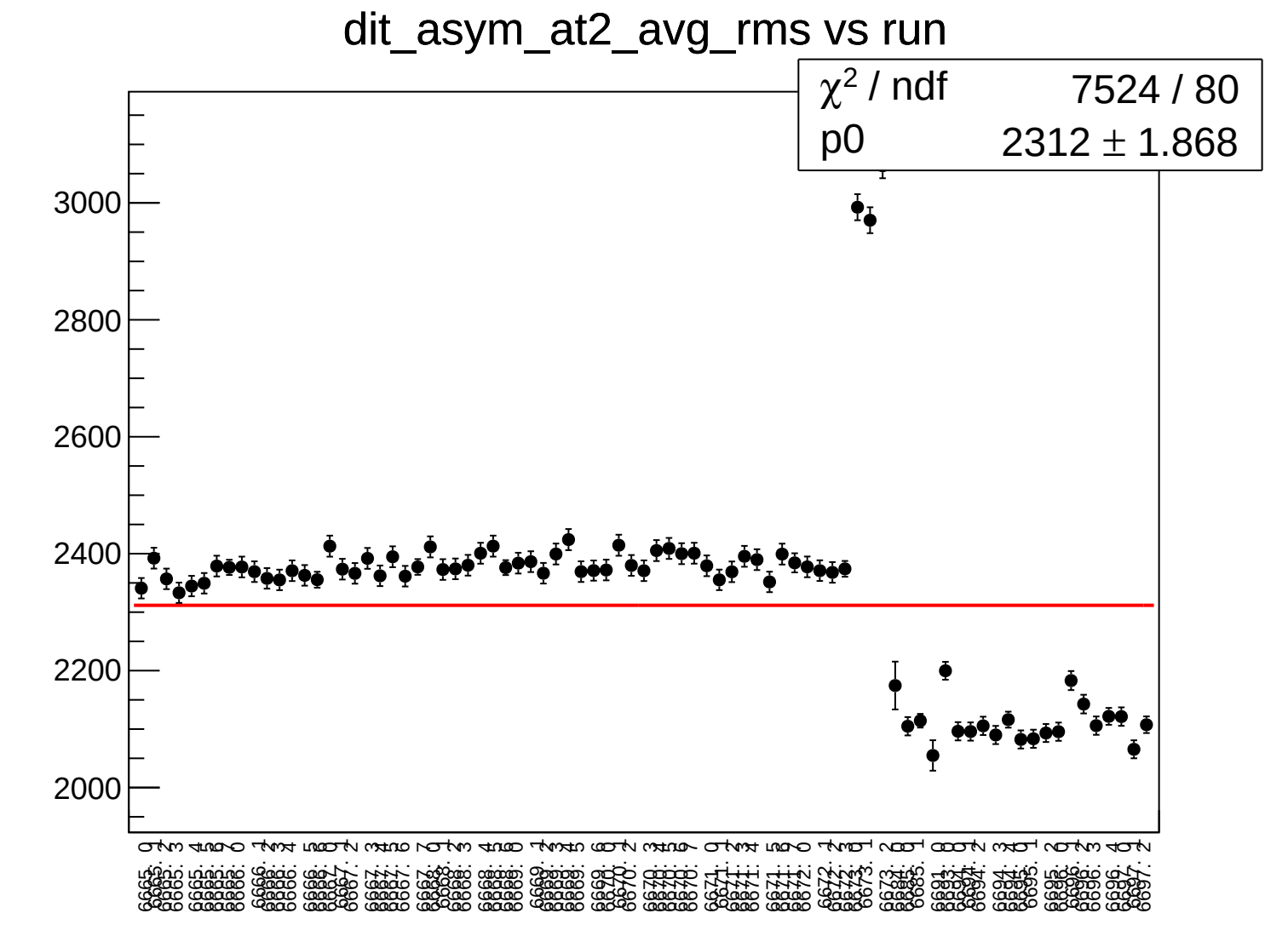

asym_at1_dd_mean vs run
χ² / ndf 71.53 / 80
p0 −1801 ± 2219
pull
Entries 81
Mean −104.4
Std Dev 169

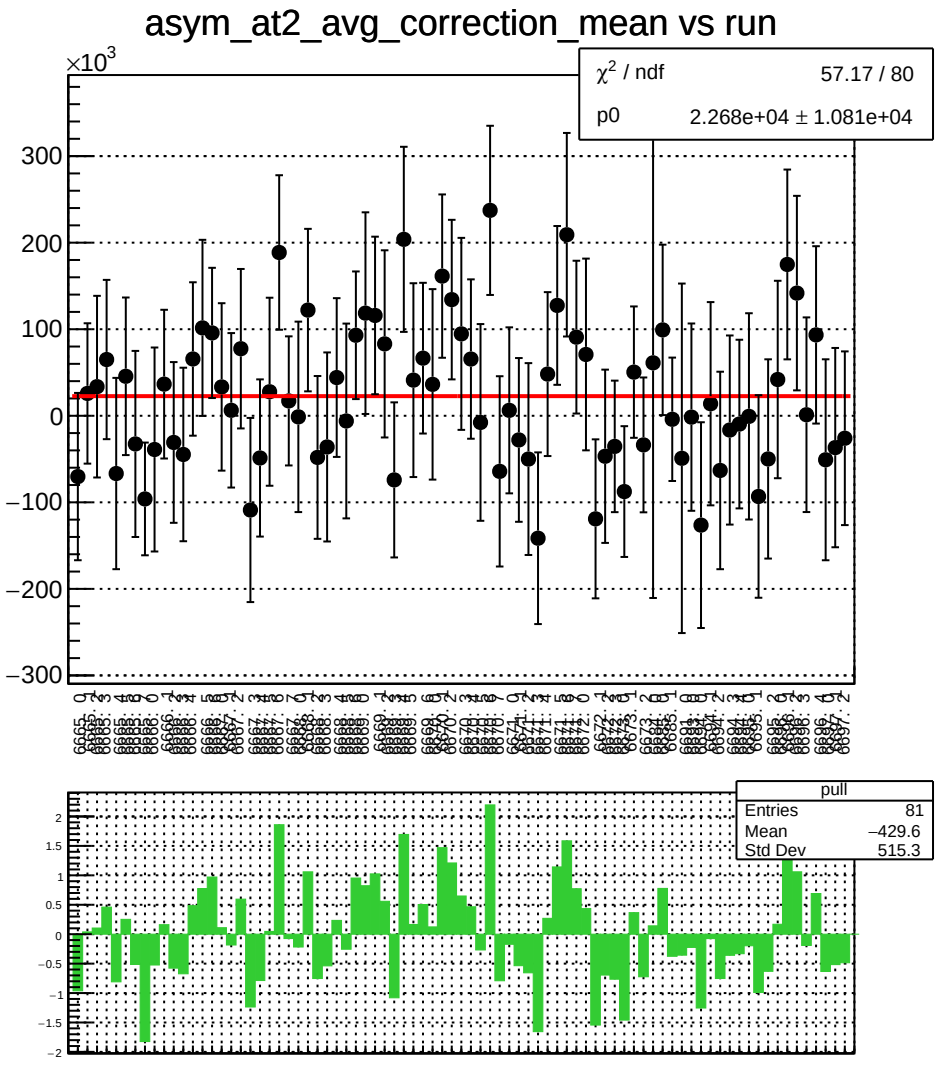

pull1D
Entries 81
Mean −0.004532
Std Dev 0.9397

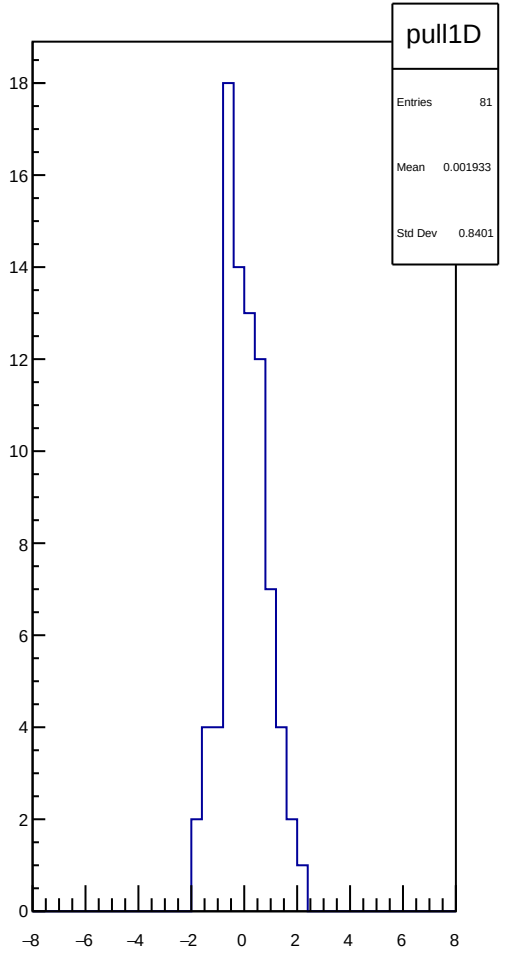

asym_at1_dd_rms vs run
χ² / ndf 272.3 / 80
p0 1947 ± 1.569
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880


dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 69.62 / 80
p0 992.4 ± 2641
pull
Entries 81
Mean −211.7
Std Dev 251.8

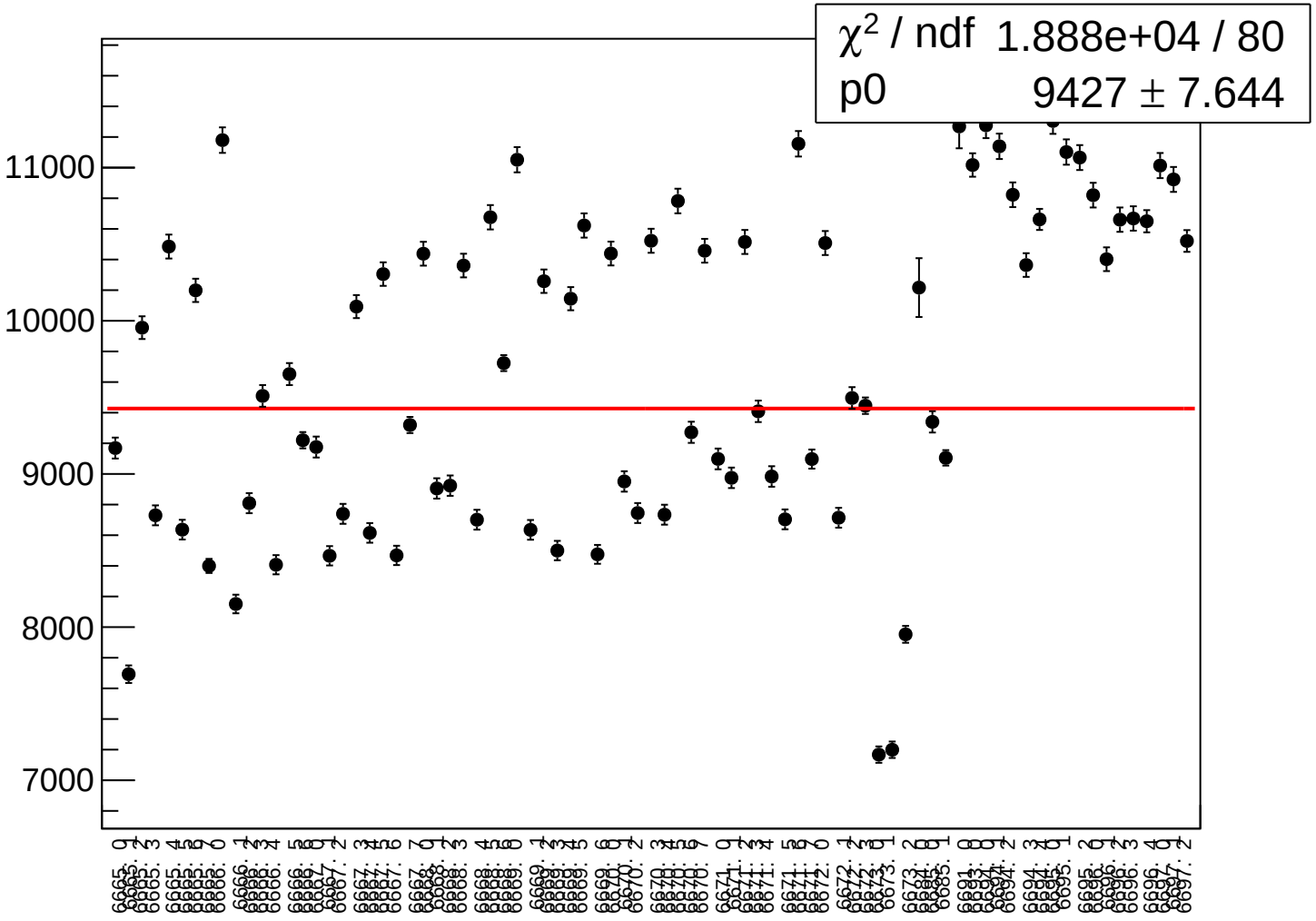

pull1D
Entries 81
Mean 0.01418
Std Dev 0.927

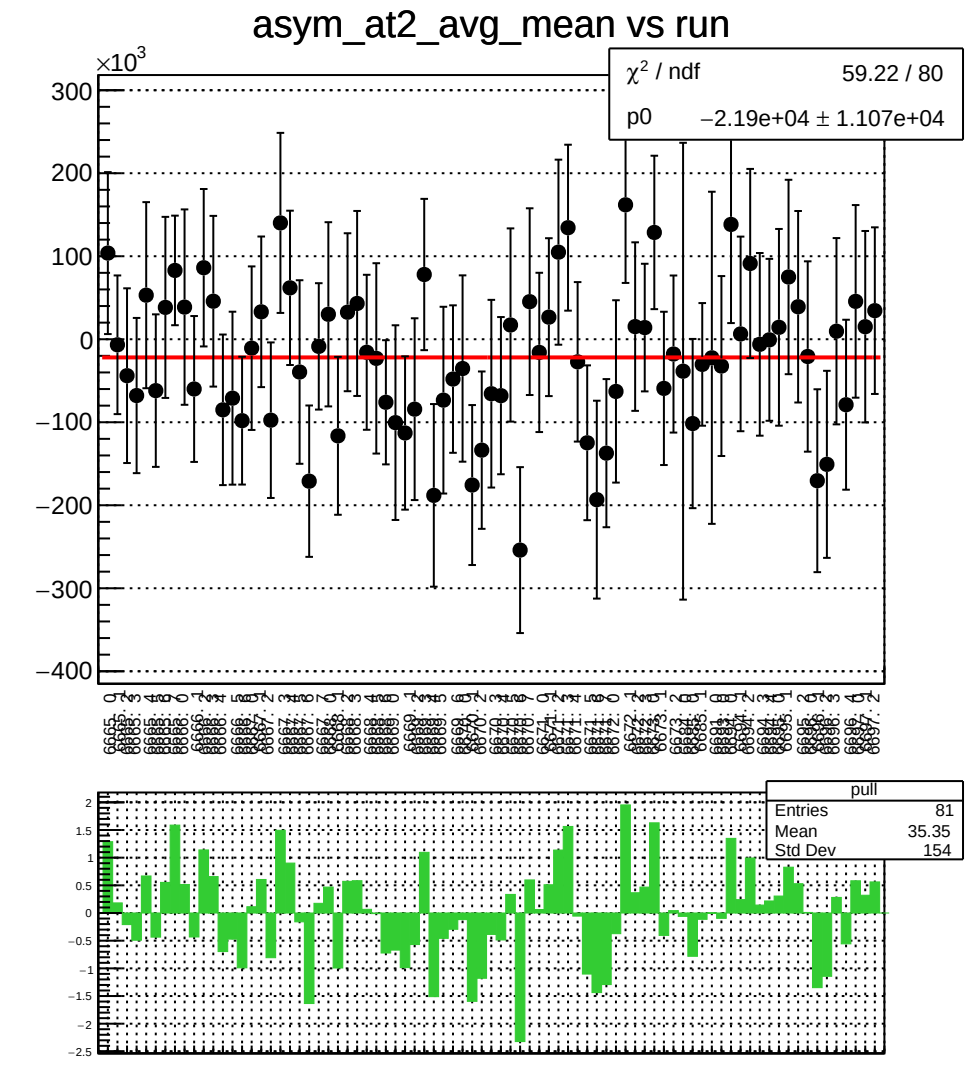

dit_asym_at2_avg_rms vs run
χ² / ndf 7524 / 80
p0 2312 ± 1.868
3000
2800
2600
2400
2200
2000

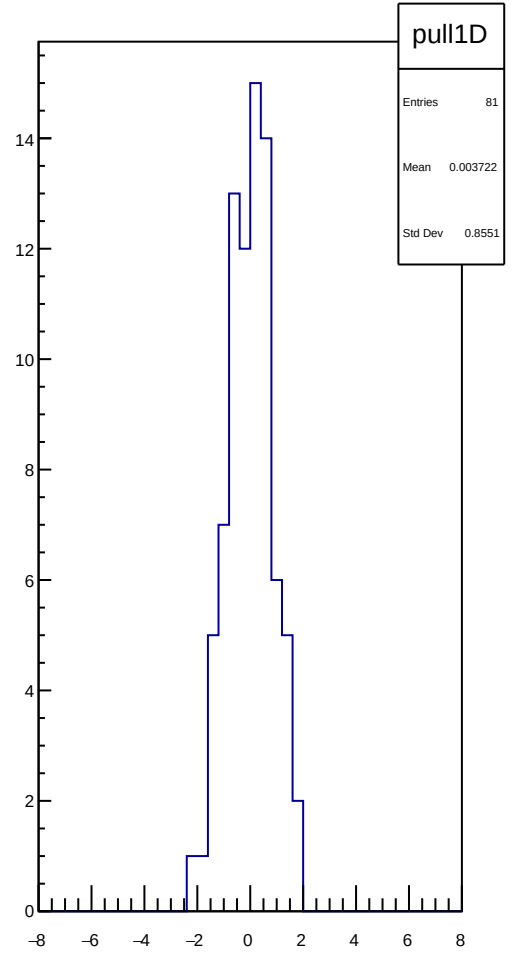

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 57.17 / 80
p0 2.268e+04 ± 1.081e+04
300
200
100
0
−100
−200
−300
pull
Entries 81
Mean −429.6
Std Dev 515.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

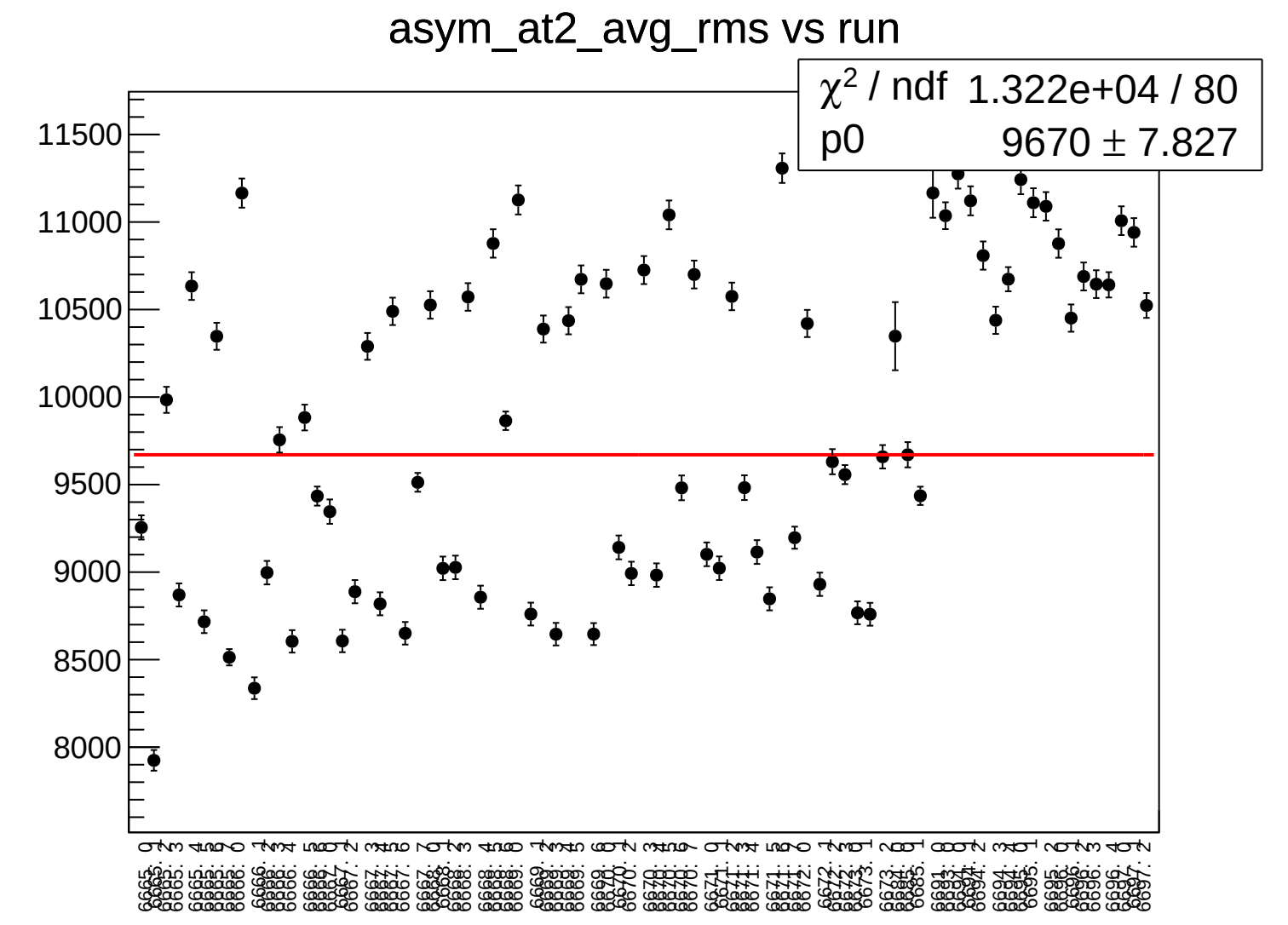

pull1D
Entries 81
Mean 0.001933
Std Dev 0.8401
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

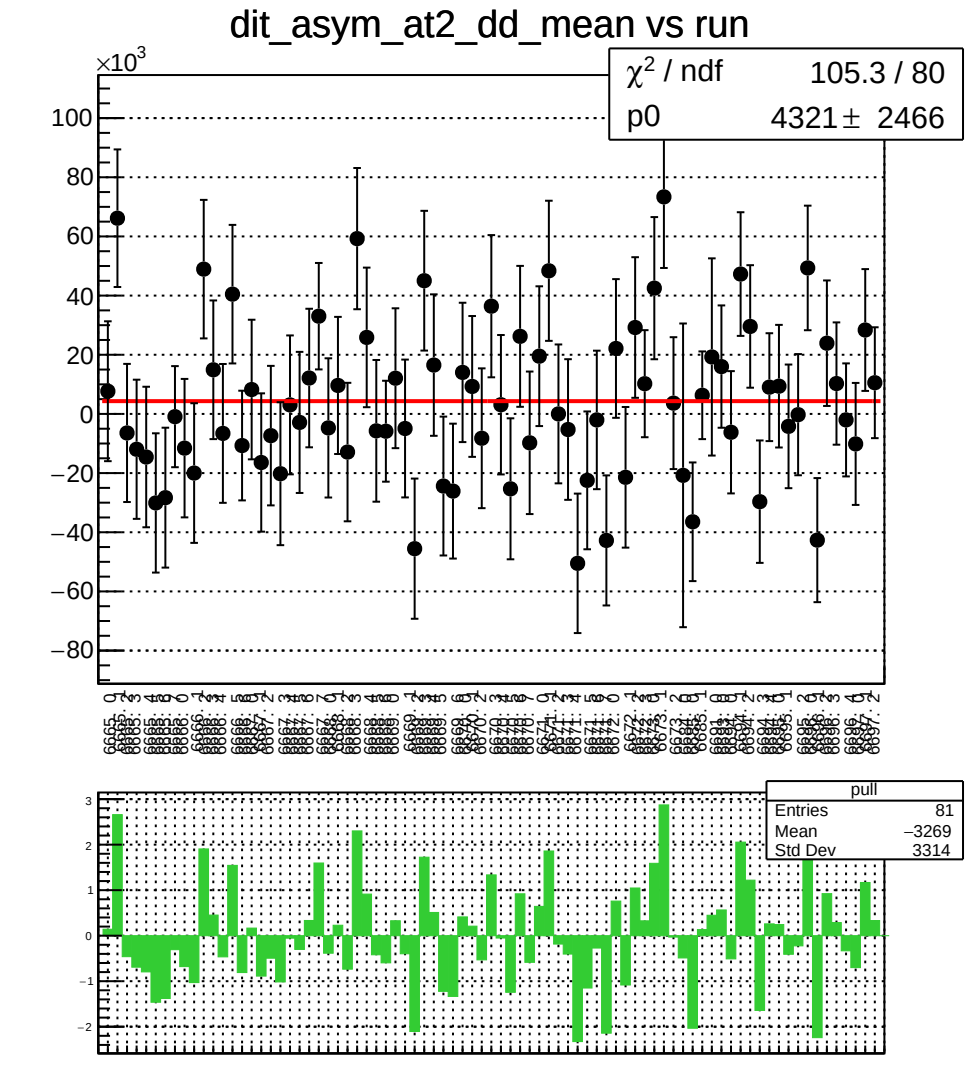
# asym_at2_avg_correction_rms vs run

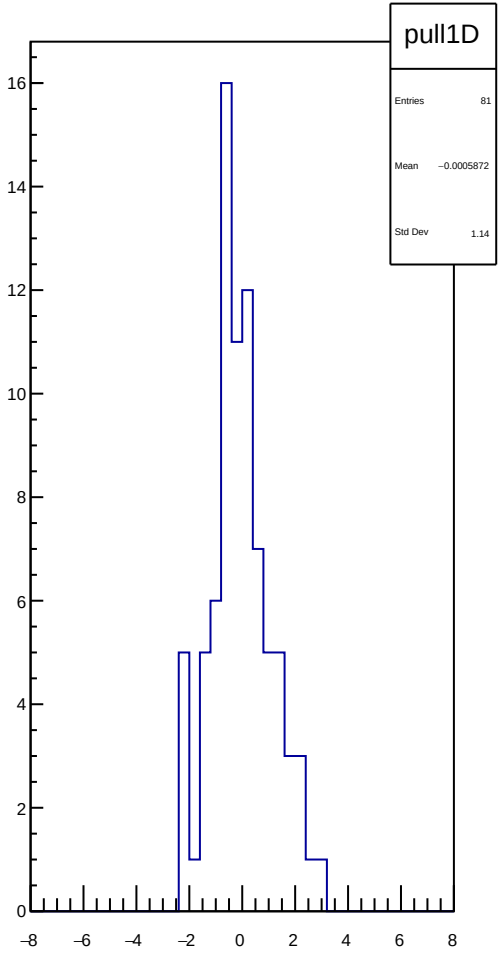


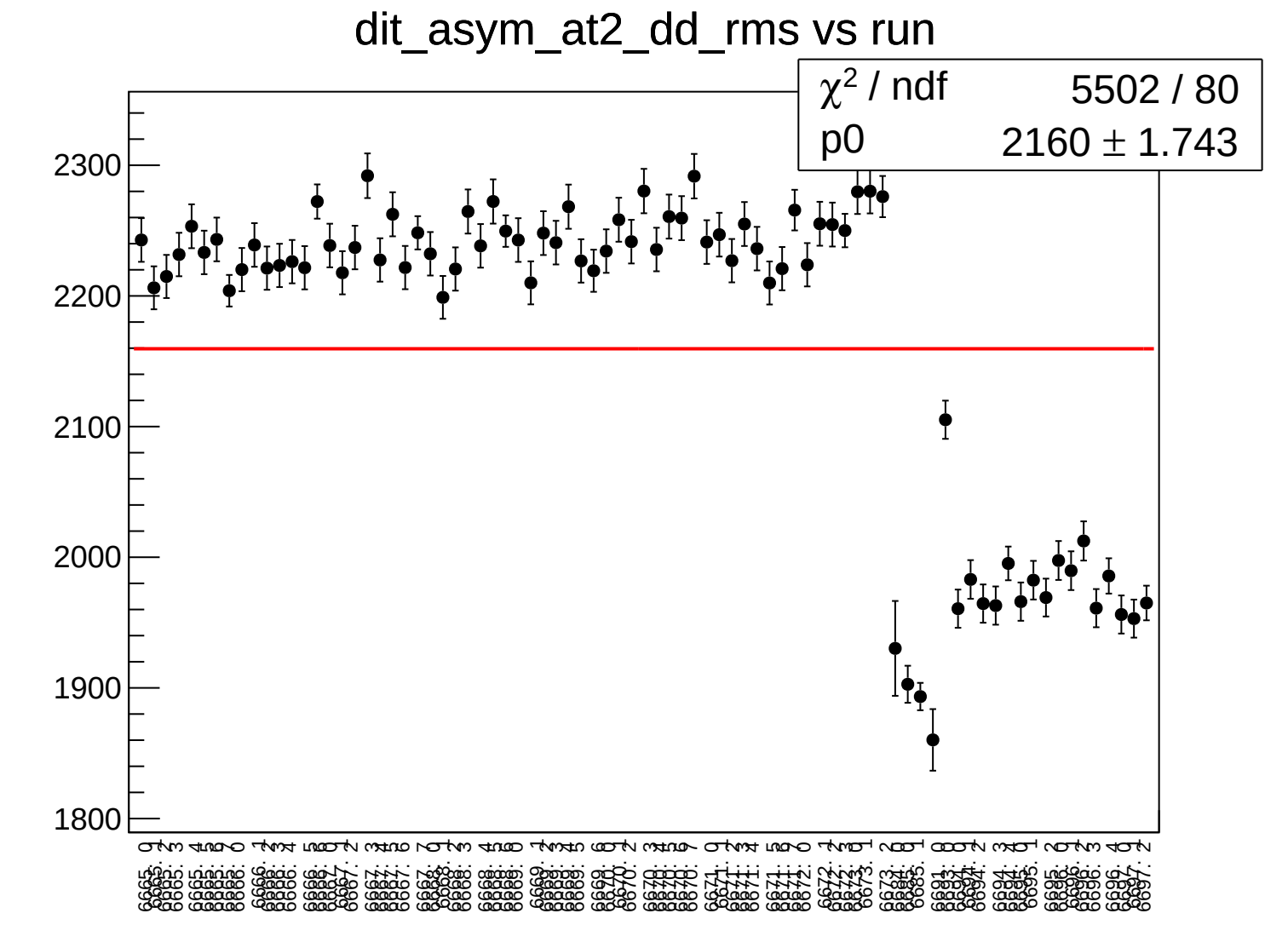

asym_at2_avg_mean vs run
×10^3
χ² / ndf 59.22 / 80
p0 −2.19e+04 ± 1.107e+04
pull
Entries 81
Mean 35.35
Std Dev 154

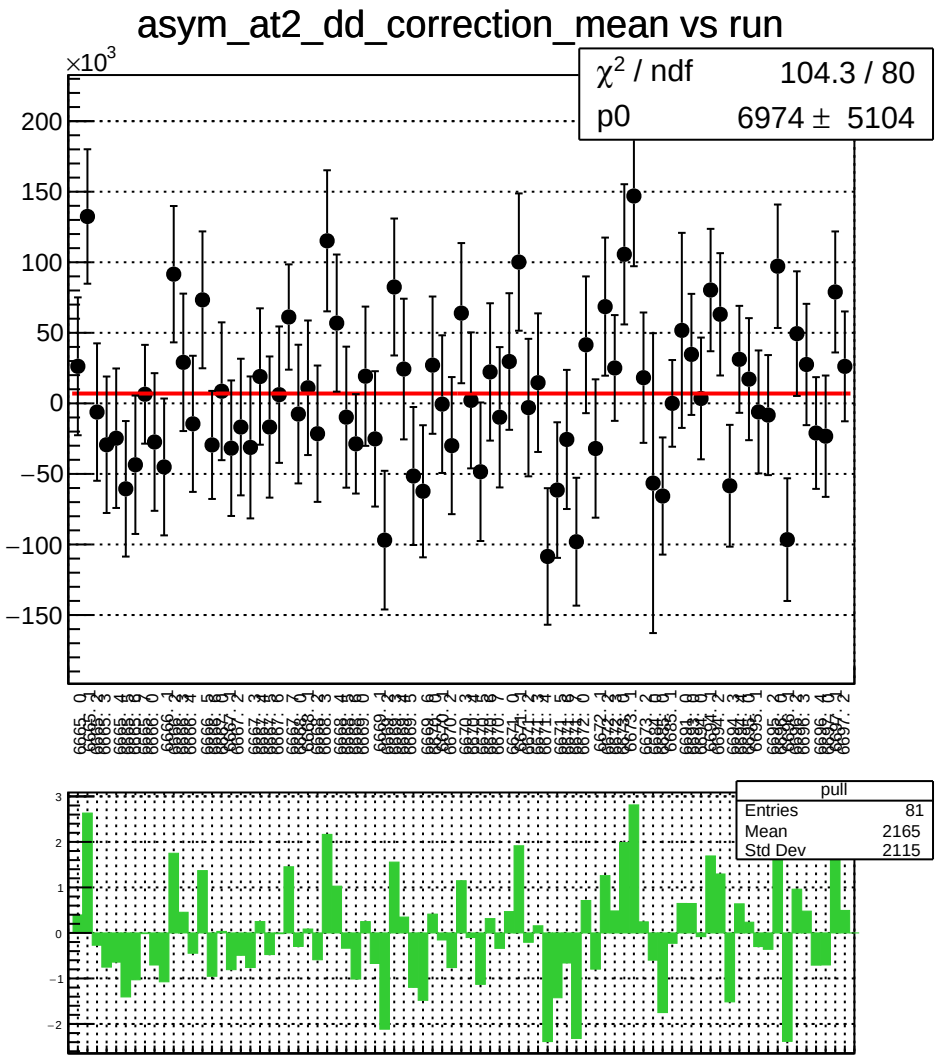

pull1D
Entries 81
Mean 0.003722
Std Dev 0.8551

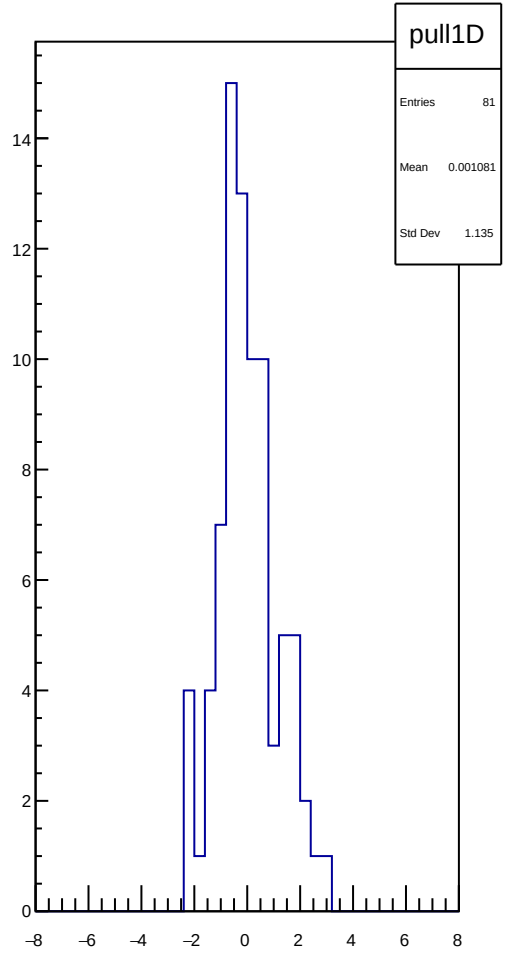

asym_at2_avg_rms vs run
χ² / ndf 1.322e+04 / 80
p0 9670 ± 7.827
11500
11000
10500
10000
9500
9000
8500
8000

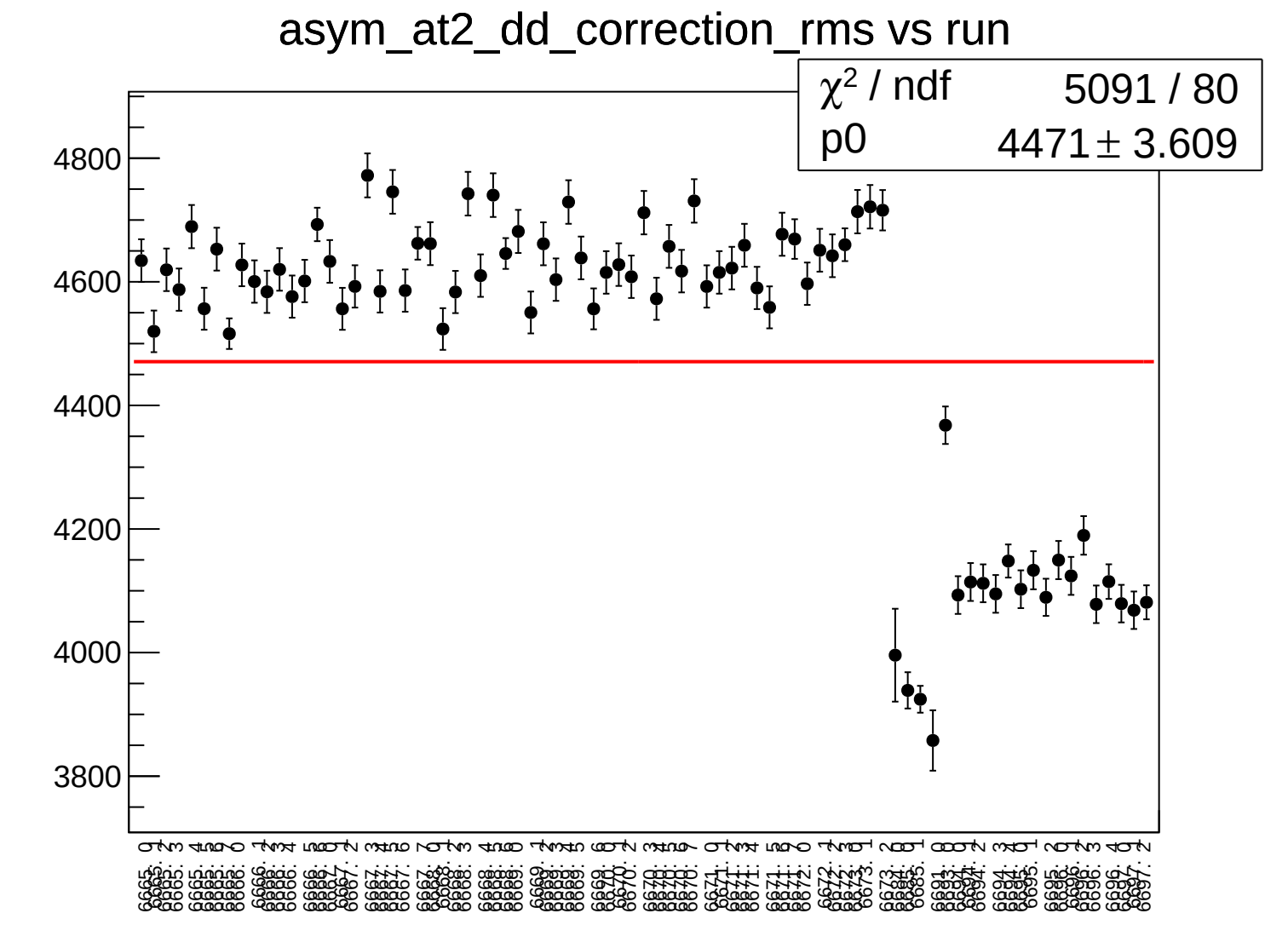

dit_asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 105.3 / 80
p0 4321 ± 2466
pull
Entries 81
Mean −3269
Std Dev 3314

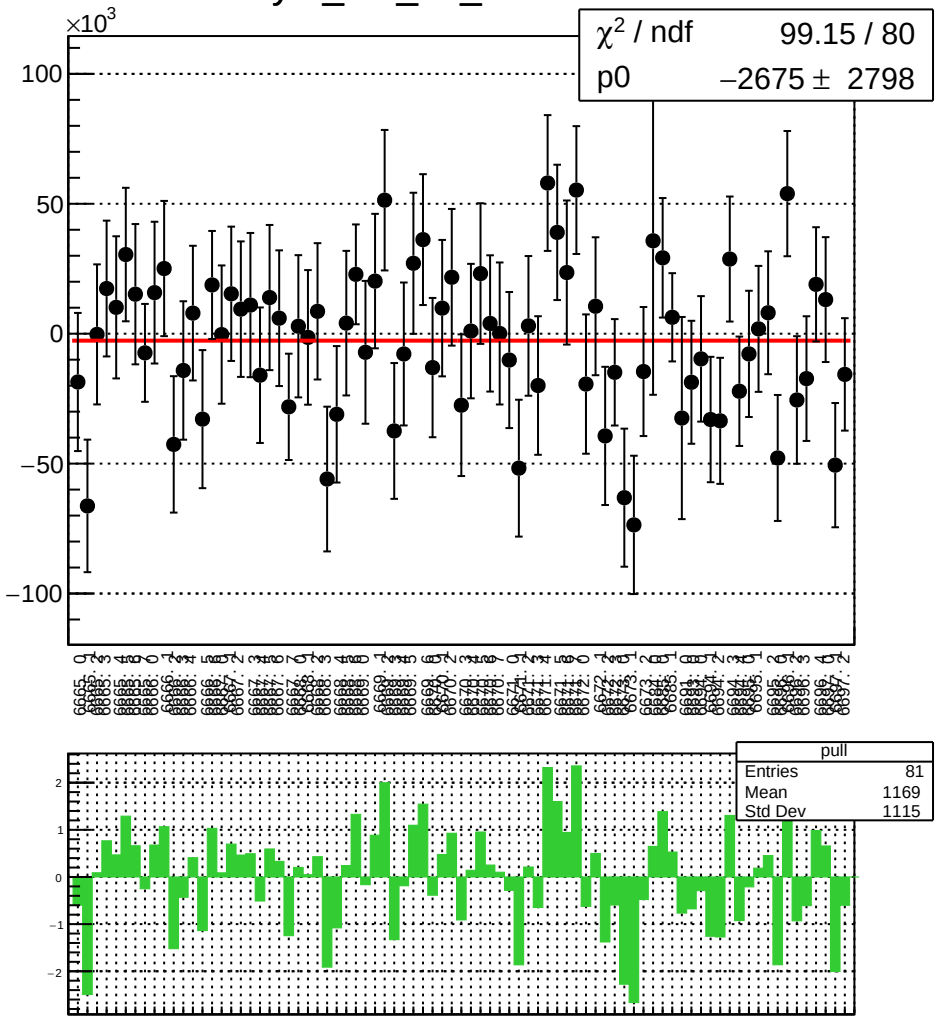

pull1D
Entries 81
Mean −0.0005872
Std Dev 1.14

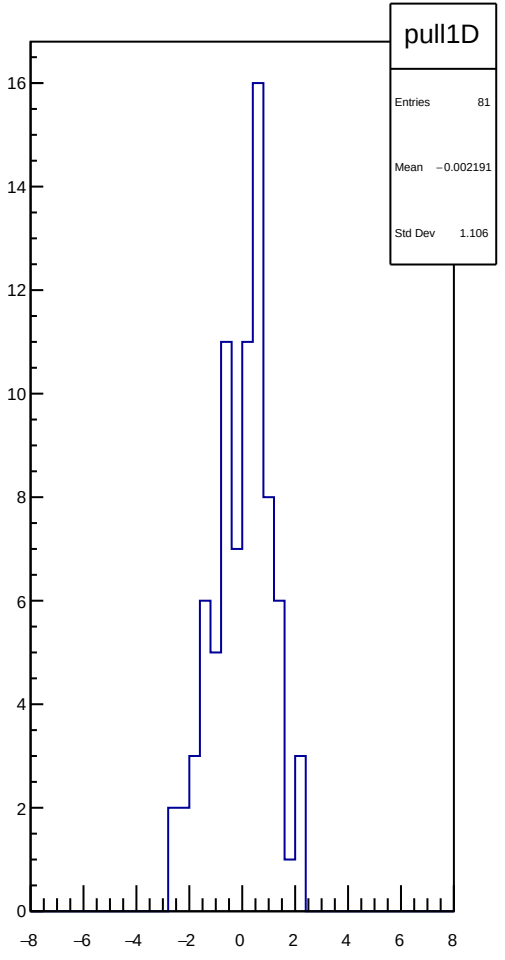

dit_asym_at2_dd_rms vs run
$\chi^2$ / ndf 5502 / 80
p0 2160 ± 1.743
2300
2200
2100
2000
1900
1800

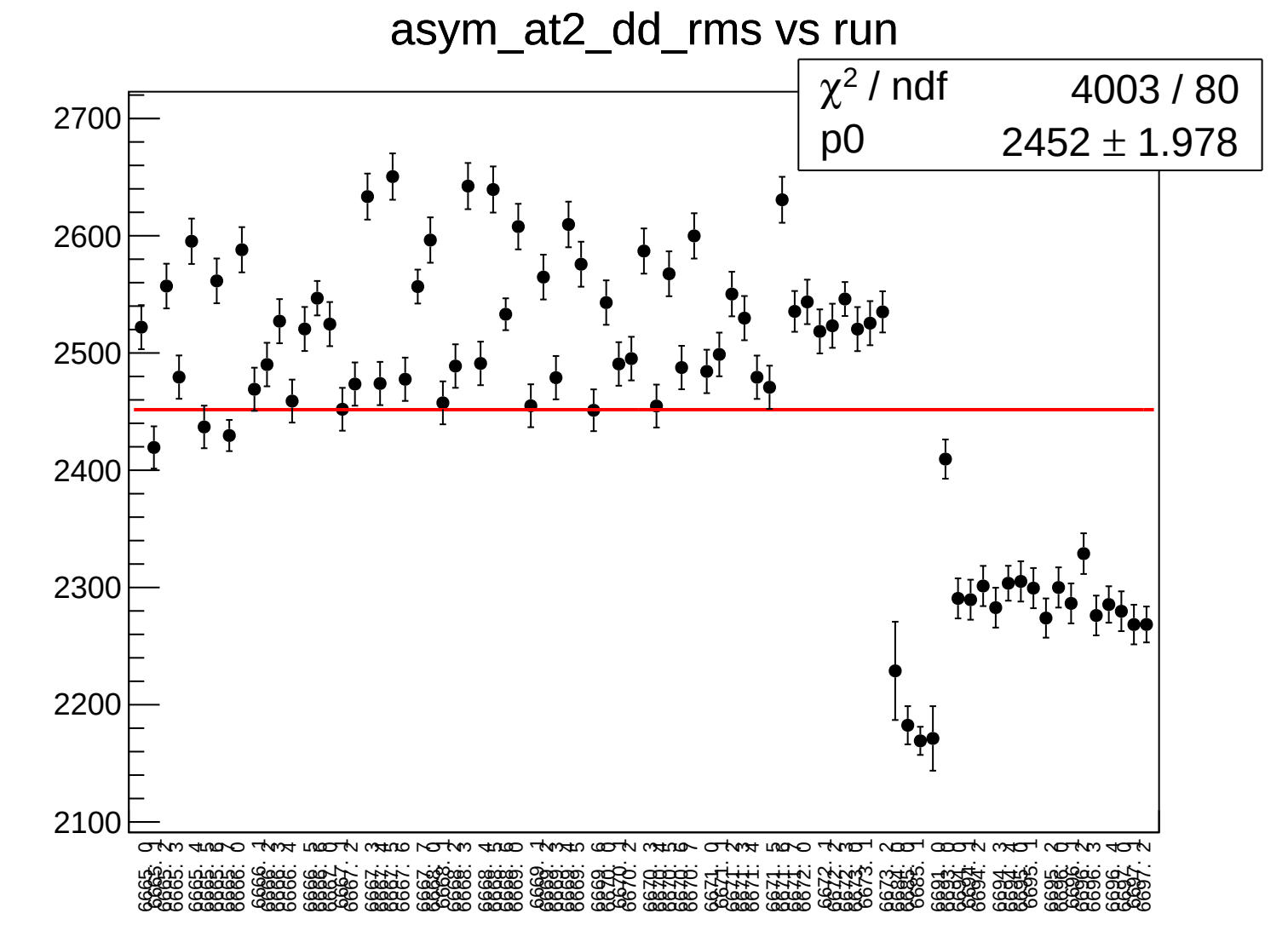

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 104.3 / 80
p0 6974 ± 5104
200
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 2165
Std Dev 2115
3
2
1
0
−1
−2

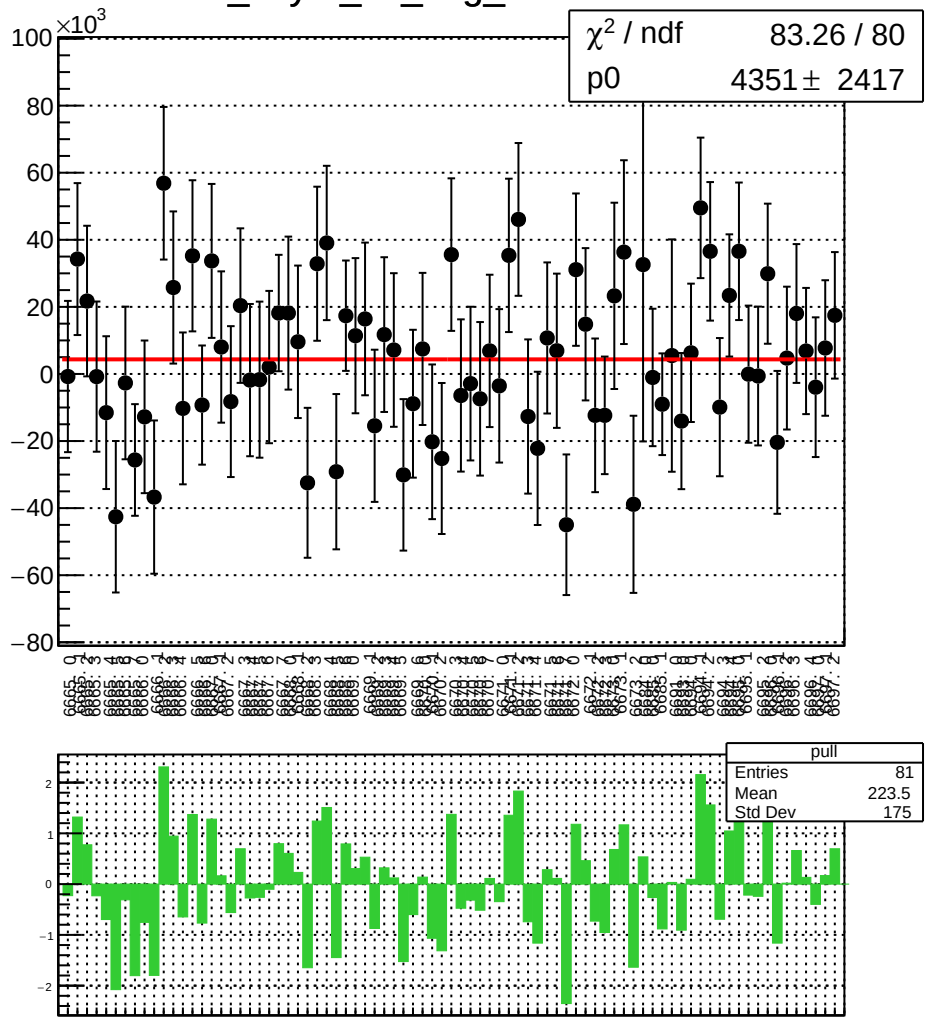

pull1D
Entries 81
Mean 0.001081
Std Dev 1.135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

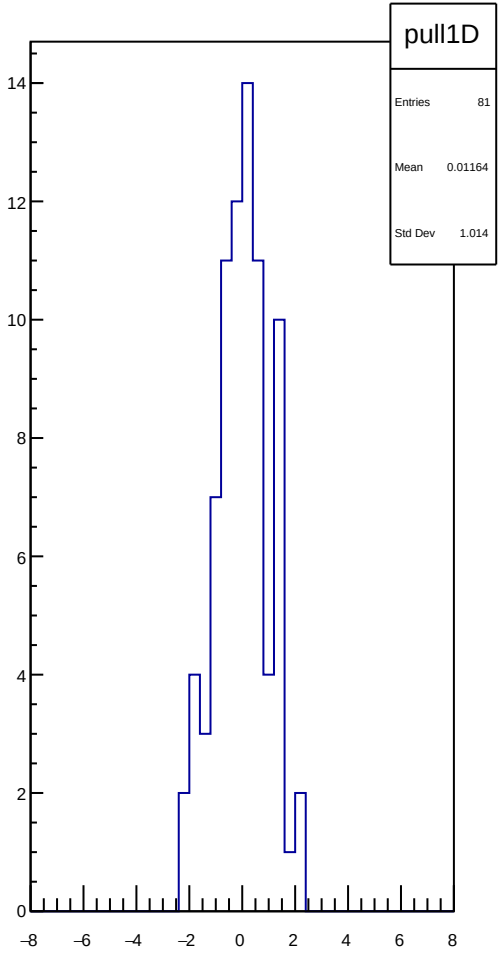

asym_at2_dd_correction_rms vs run
χ² / ndf 5091 / 80
p0 4471 ± 3.609
4800
4600
4400
4200
4000
3800

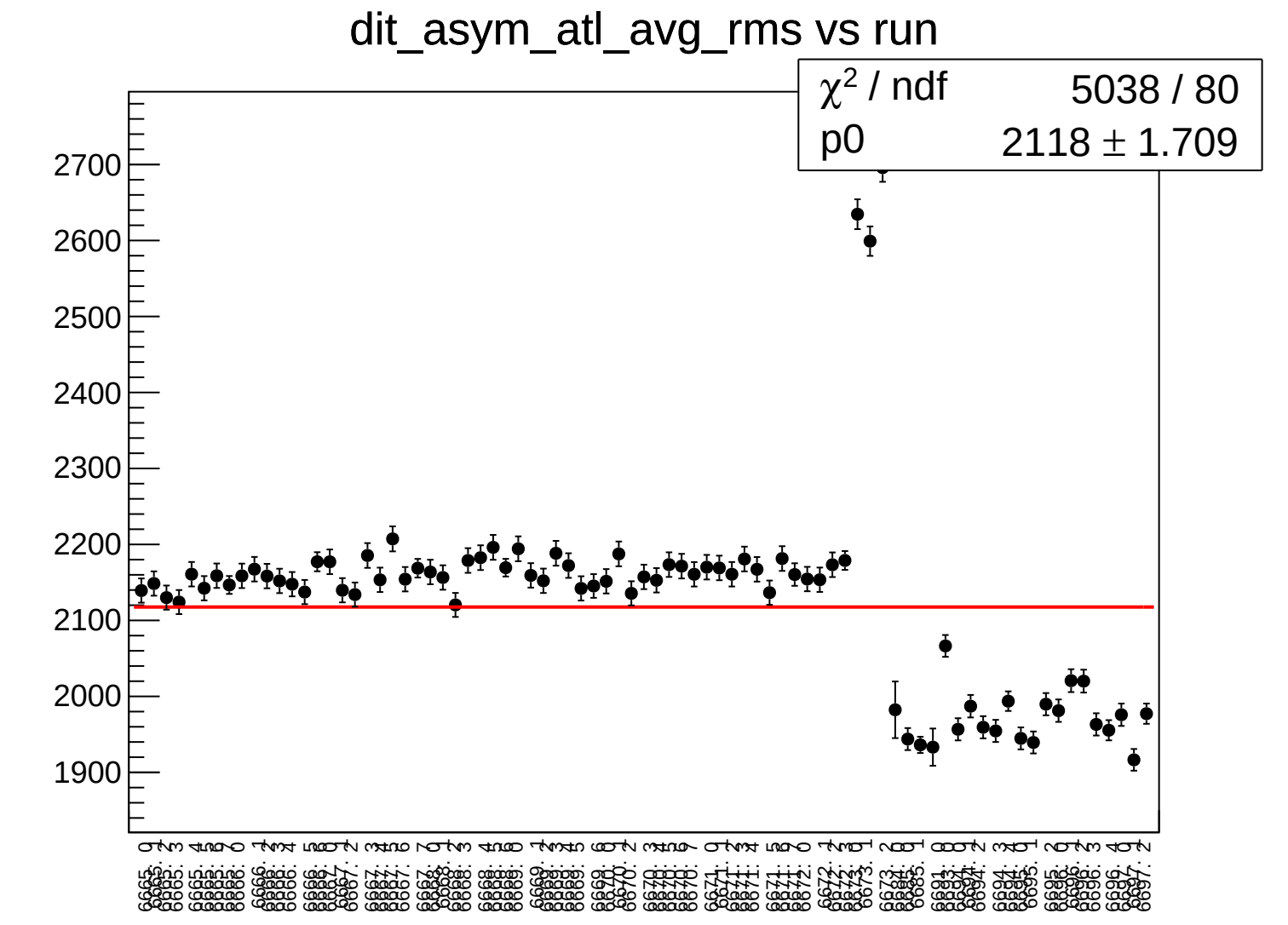

asym_at2_dd_mean vs run
×10^3
χ² / ndf 99.15 / 80
p0 −2675 ± 2798
100
50
0
−50
−100
pull
Entries 81
Mean 1169
Std Dev 1115
2
1
0
−1
−2

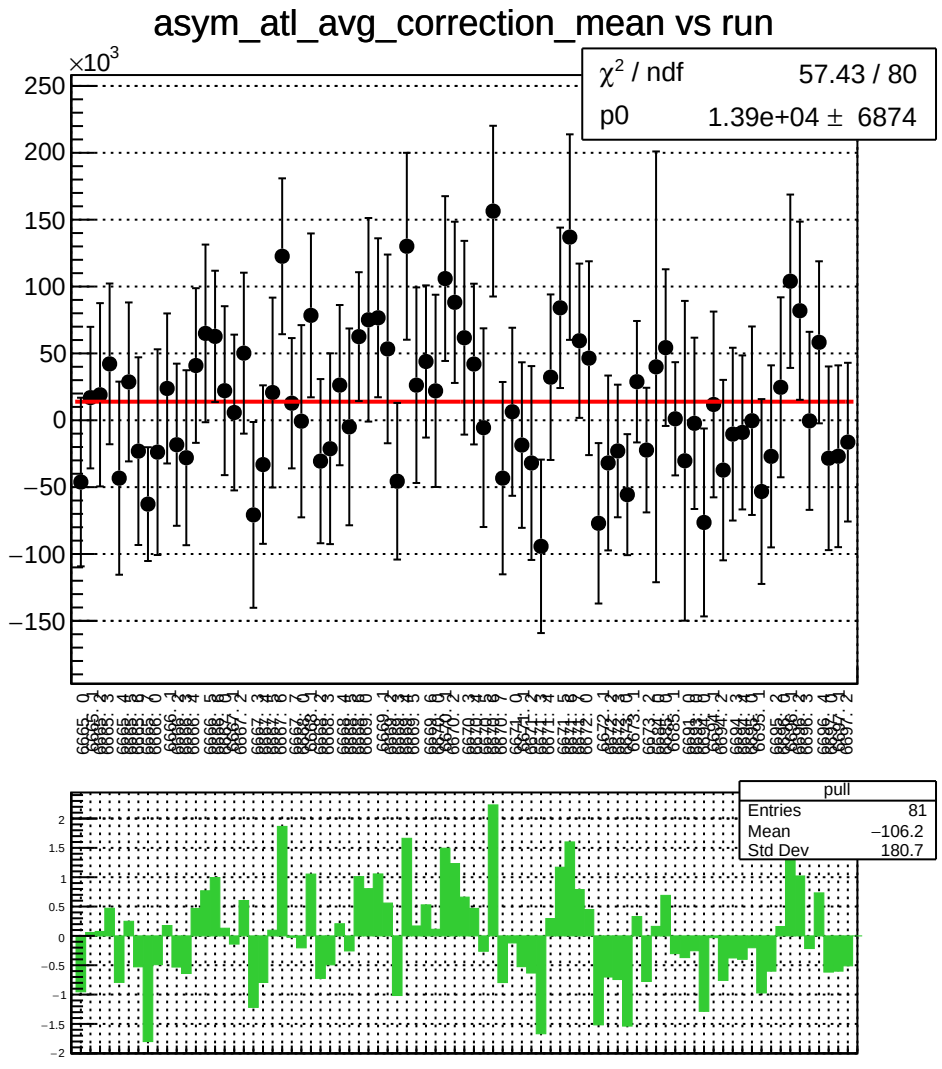

pull1D
Entries 81
Mean −0.002191
Std Dev 1.106
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

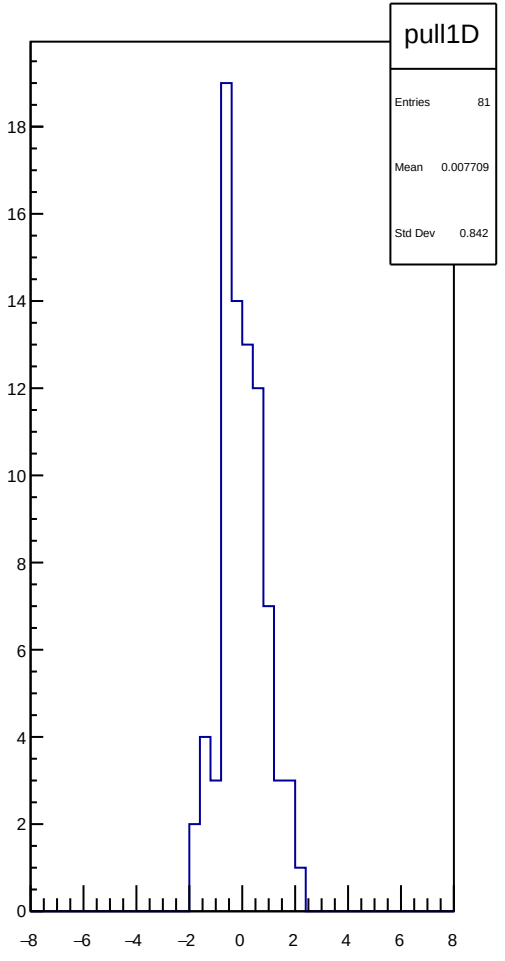

asym_at2_dd_rms vs run
χ² / ndf 4003 / 80
p0 2452 ± 1.978
2700
2600
2500
2400
2300
2200
2100

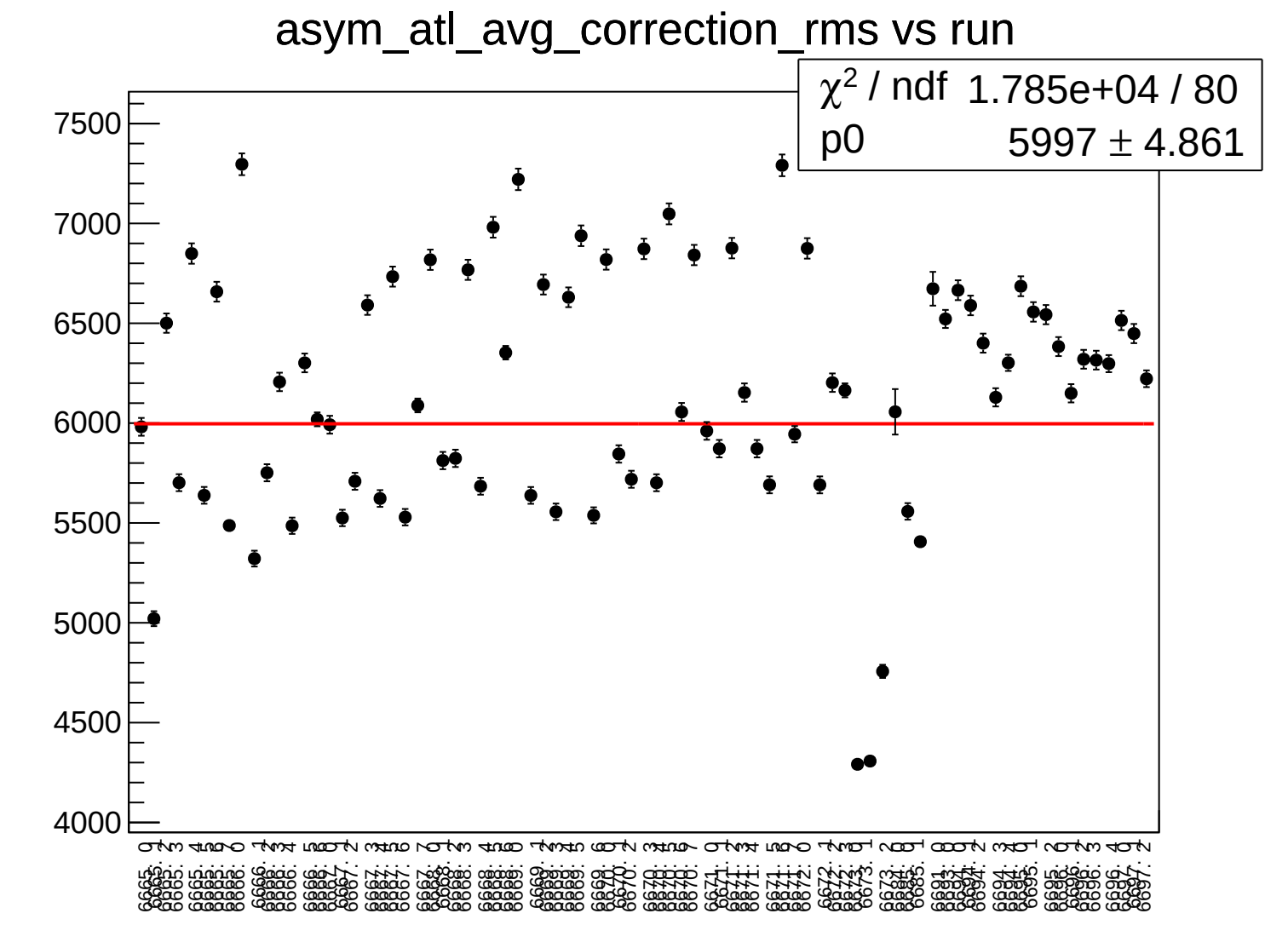

dit_asym_atl_avg_mean vs run
χ² / ndf 83.26 / 80
p0 4351 ± 2417
×10³
pull
Entries 81
Mean 223.5
Std Dev 175

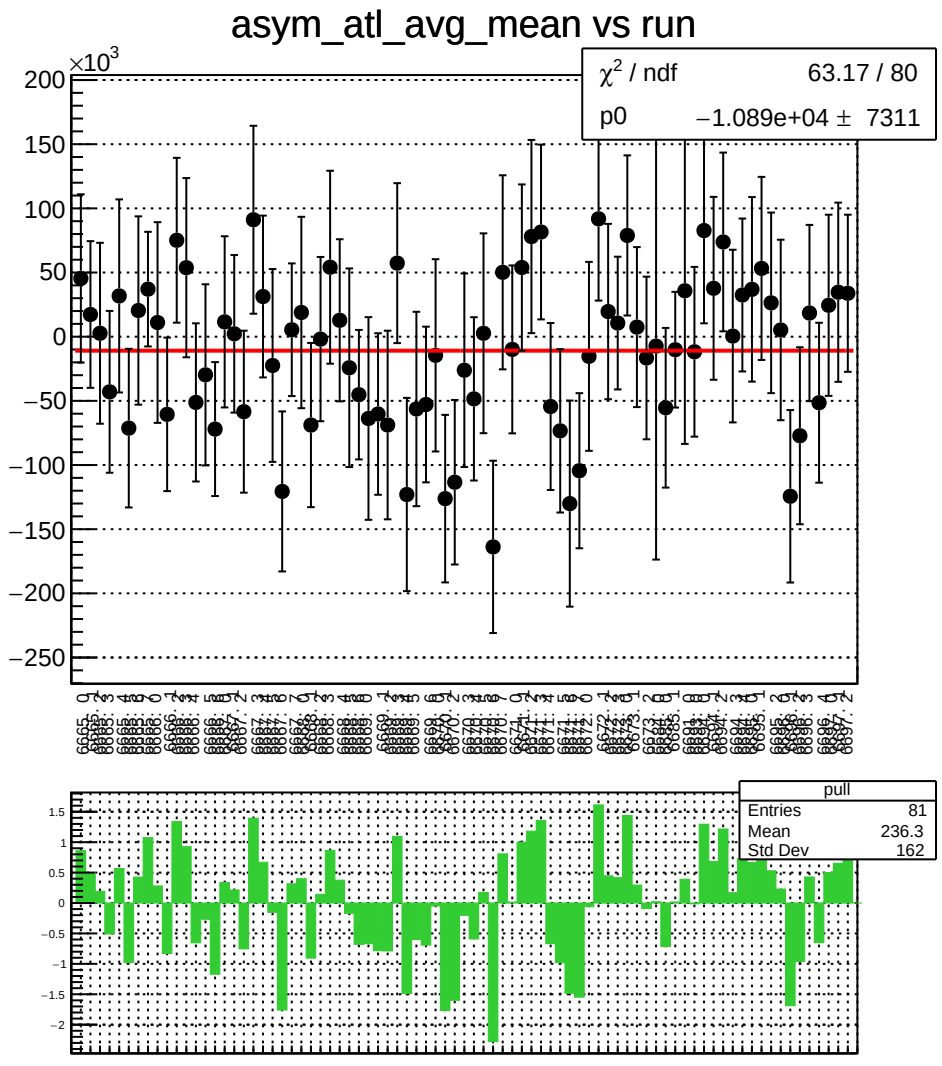

pull1D
Entries 81
Mean 0.01164
Std Dev 1.014

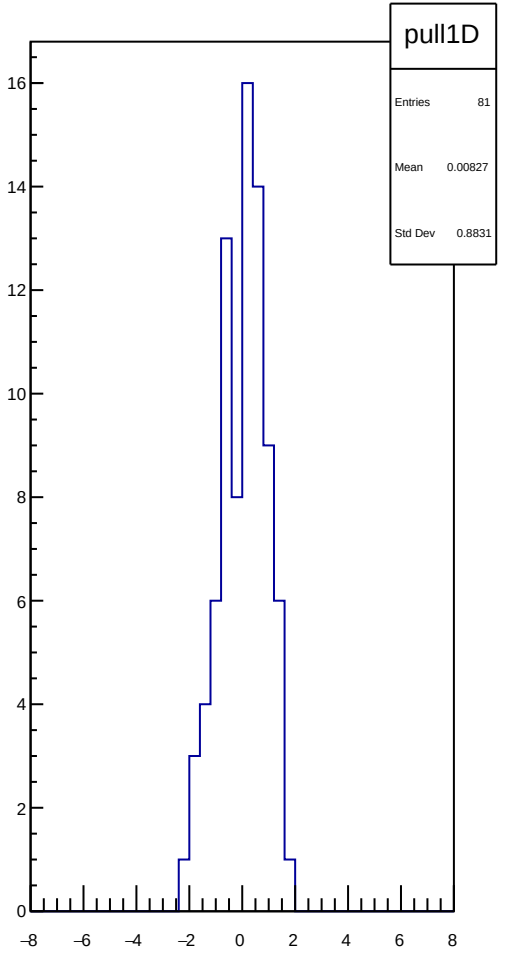

dit_asym_atl_avg_rms vs run
χ² / ndf 5038 / 80
p0 2118 ± 1.709
2700
2600
2500
2400
2300
2200
2100
2000
1900

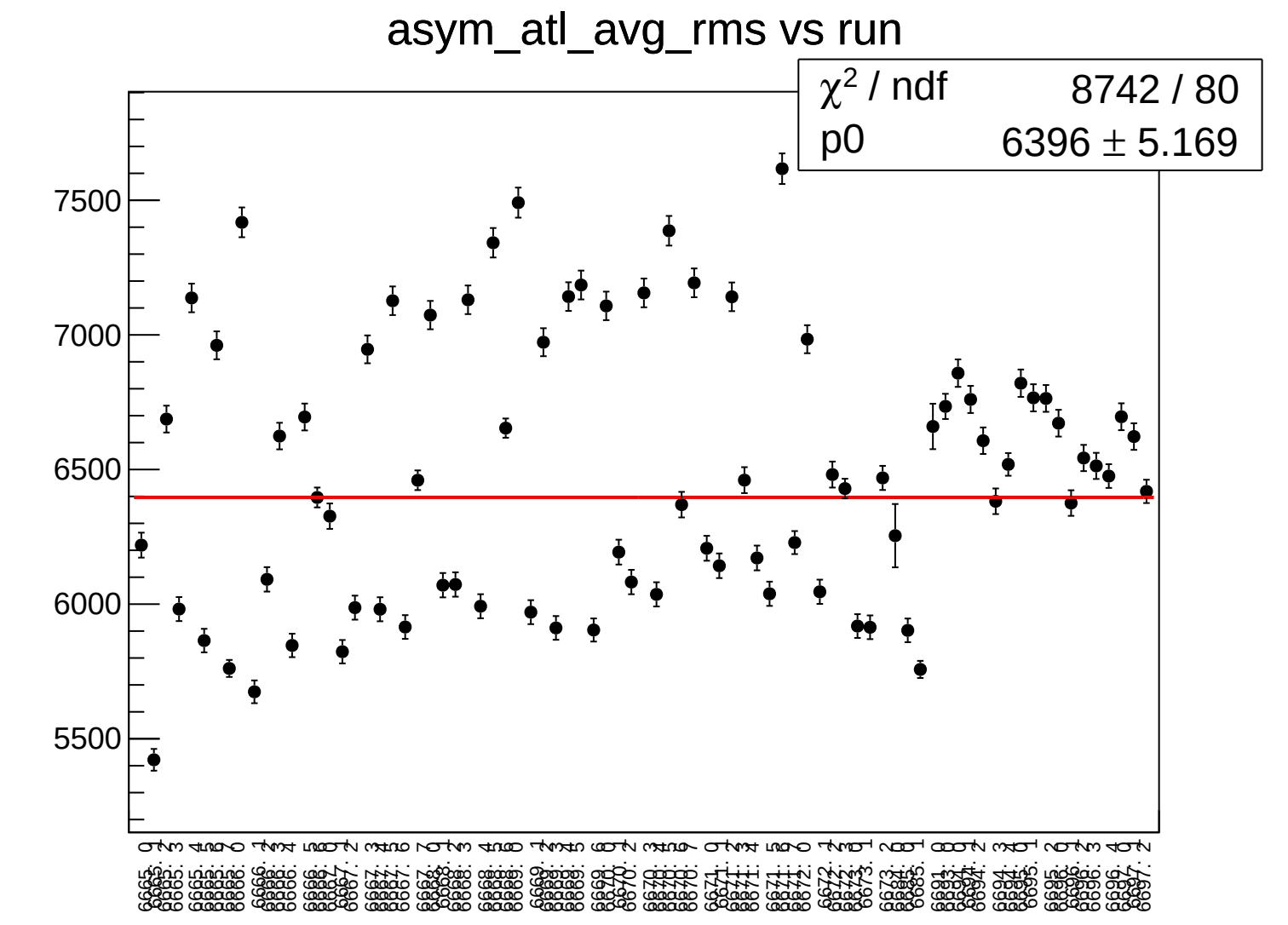

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 57.43 / 80
p0 1.39e+04 ± 6874
pull
Entries 81
Mean −106.2
Std Dev 180.7

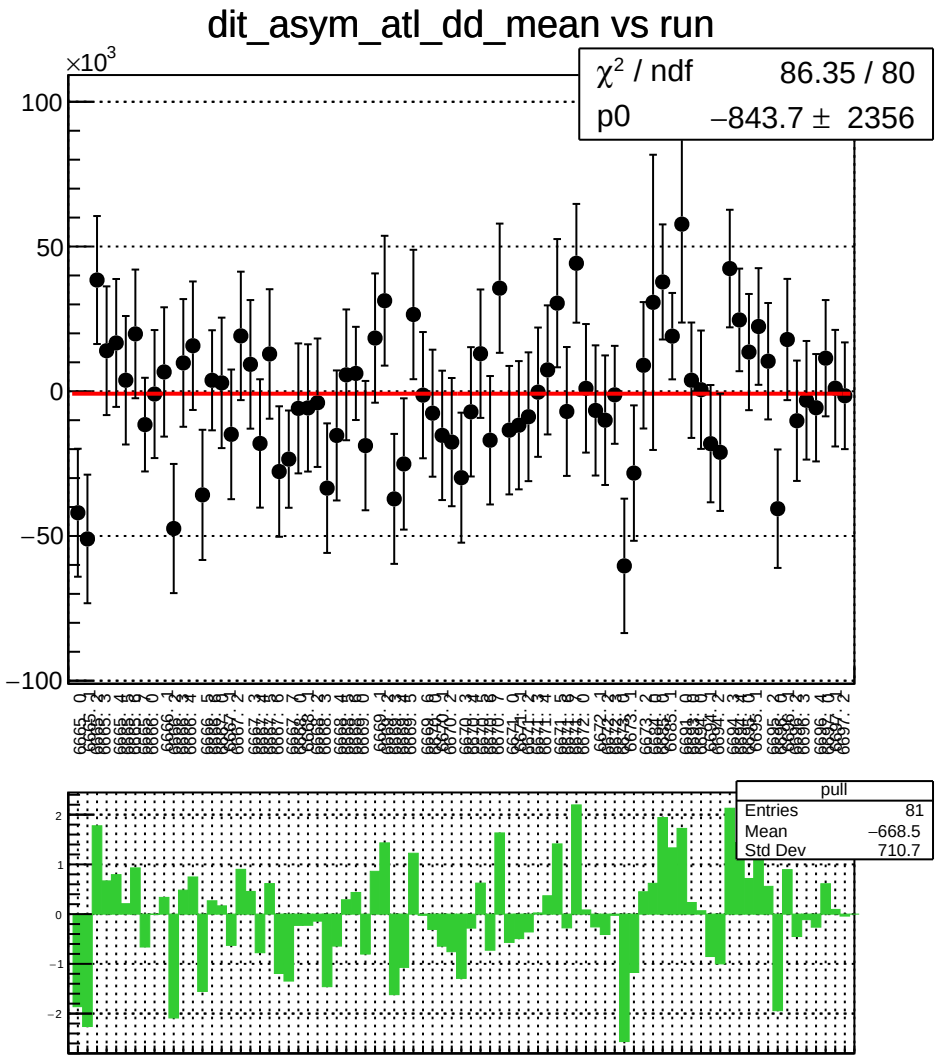

pull1D
Entries 81
Mean 0.007709
Std Dev 0.842

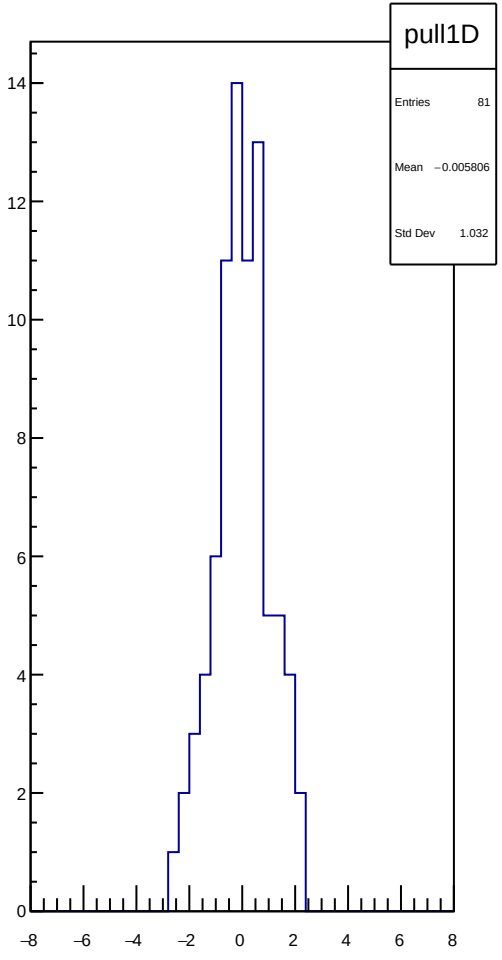

asym_atl_avg_correction_rms vs run
χ² / ndf 1.785e+04 / 80
p0 5997 ± 4.861
7500
7000
6500
6000
5500
5000
4500
4000

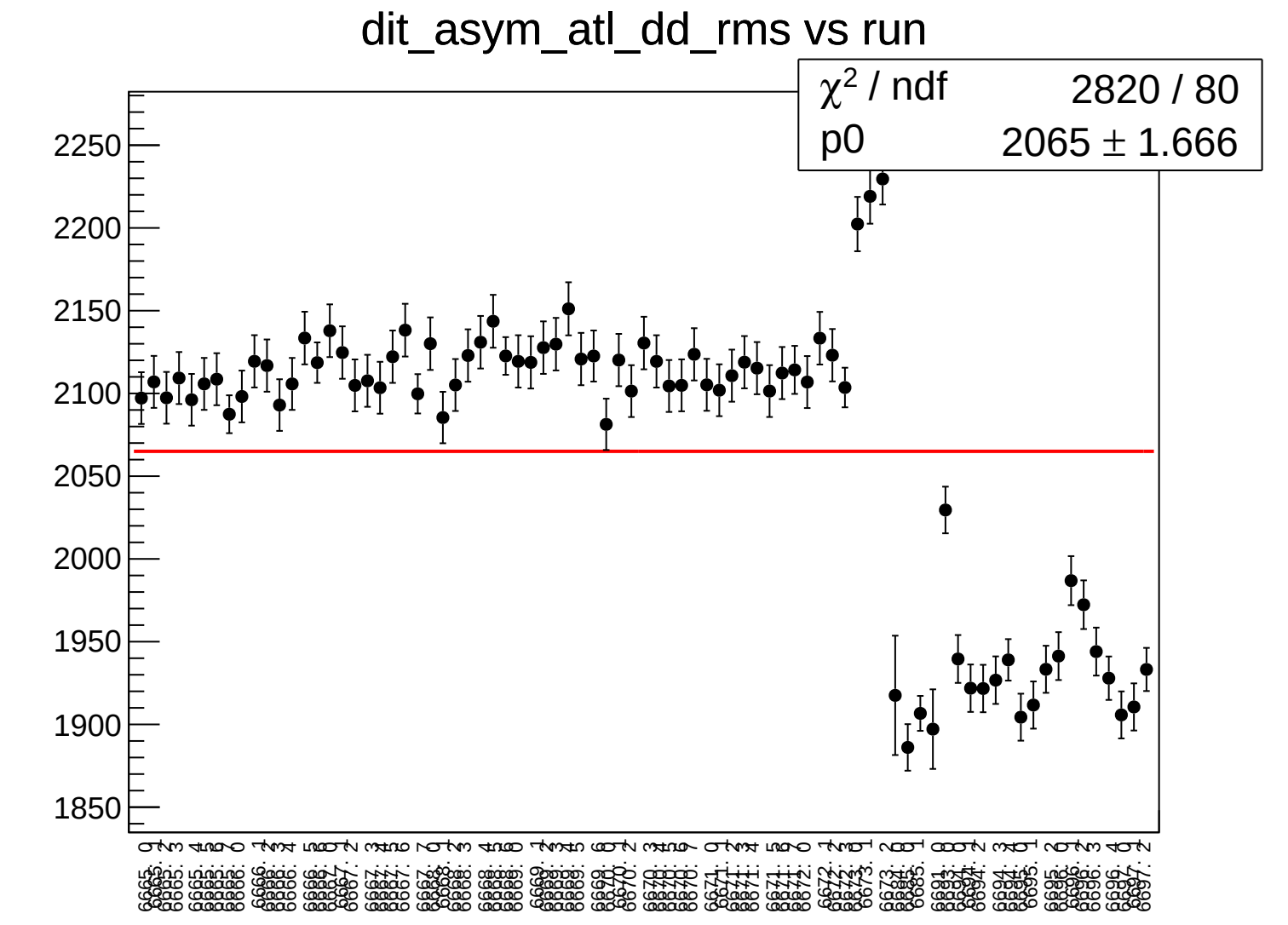

asym_atl_avg_mean vs run
×10^3
χ² / ndf 63.17 / 80
p0 −1.089e+04 ± 7311
pull
Entries 81
Mean 236.3
Std Dev 162

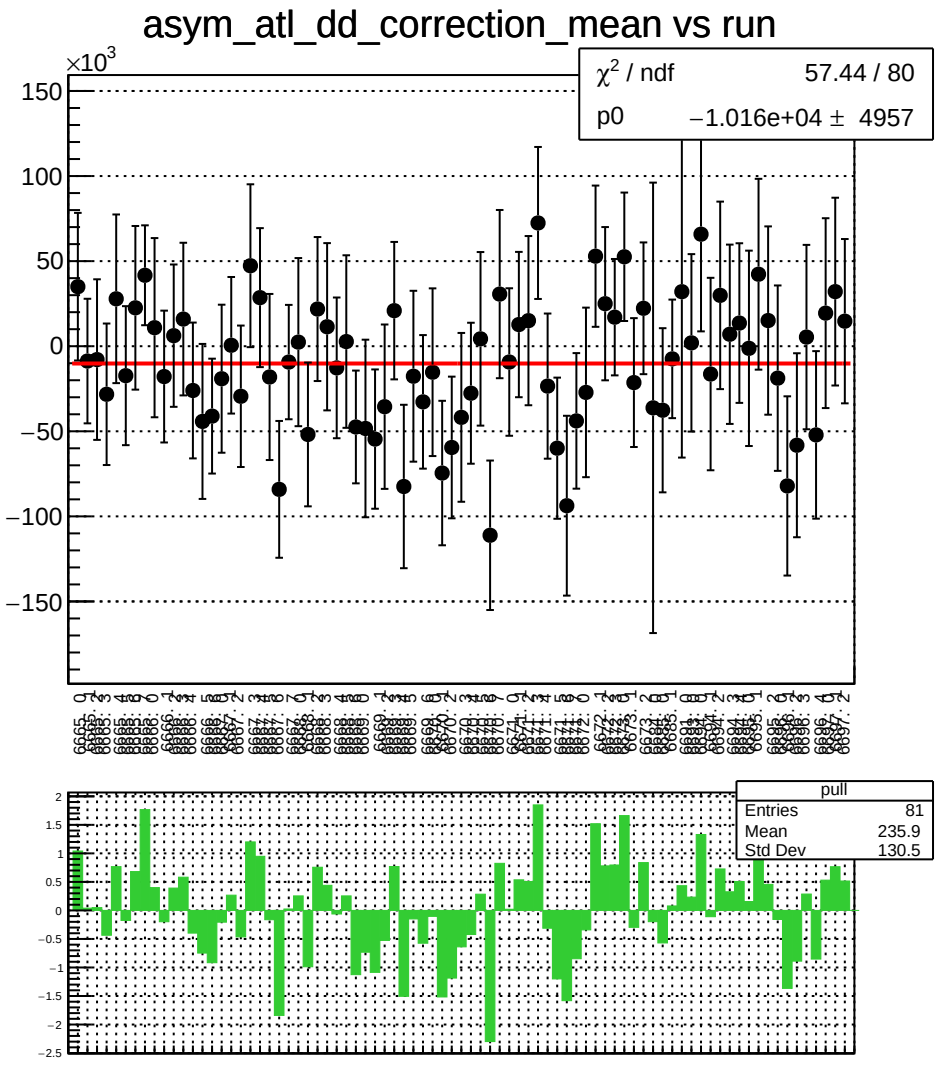

pull1D
Entries 81
Mean 0.00827
Std Dev 0.8831

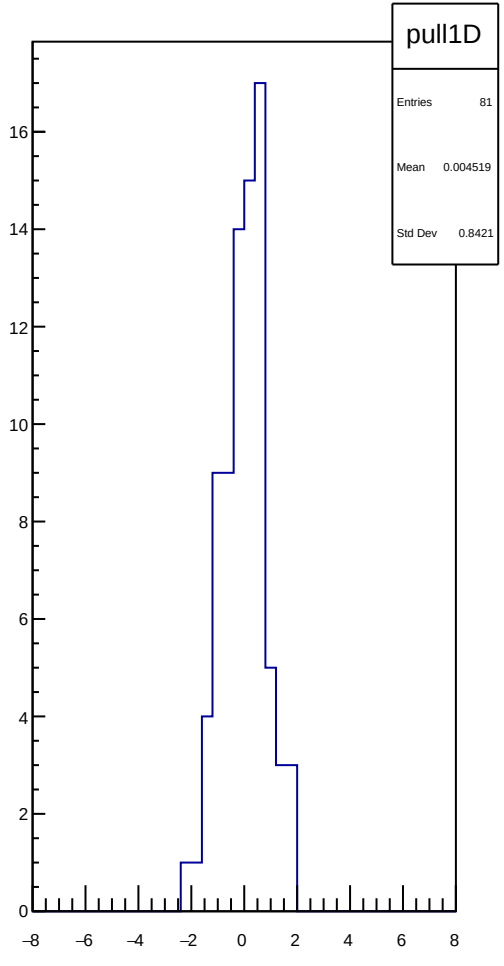

asym_atl_avg_rms vs run
χ² / ndf 8742 / 80
p0 6396 ± 5.169
7500
7000
6500
6000
5500

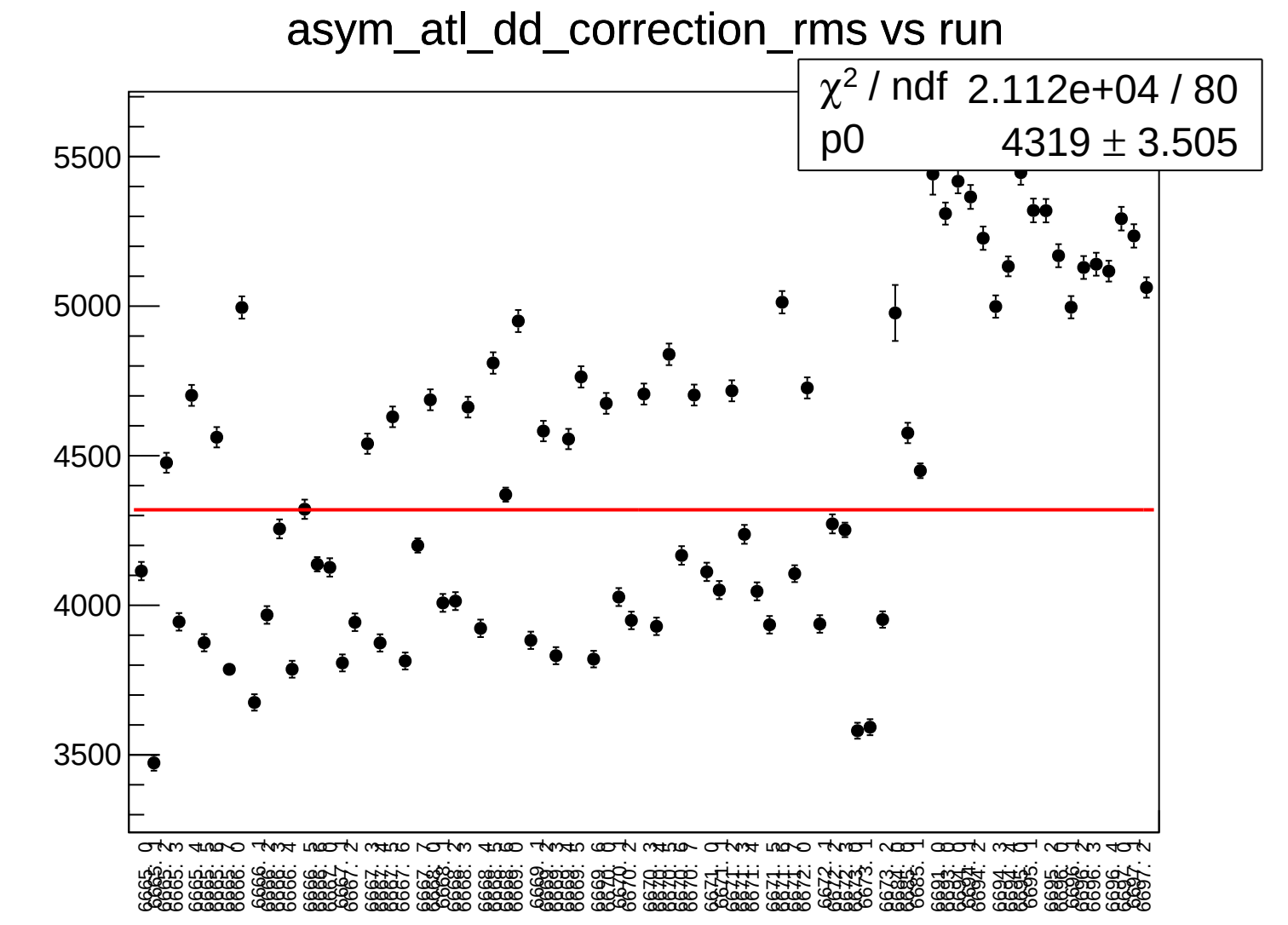

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 86.35 / 80
p0 −843.7 ± 2356
100
50
0
−50
−100
pull
Entries 81
Mean −668.5
Std Dev 710.7
2
1
0
−1
−2

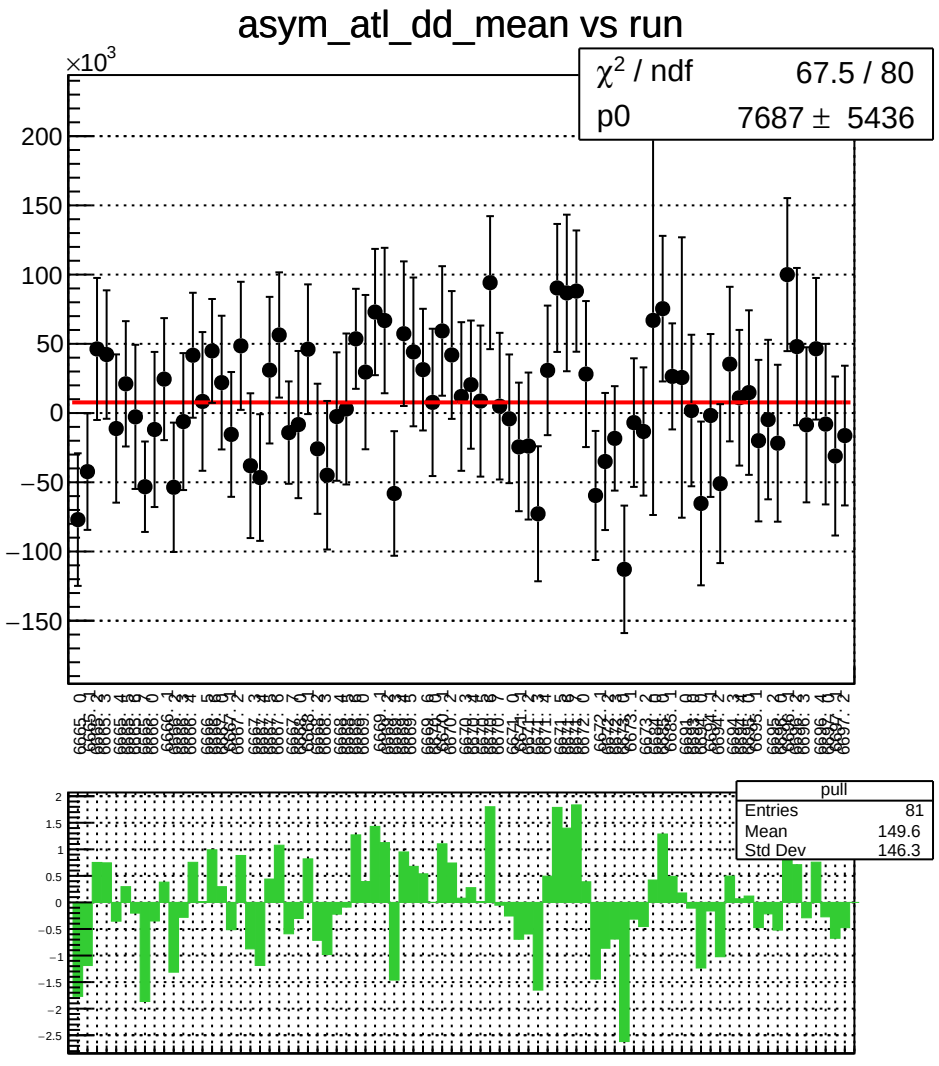

pull1D
Entries 81
Mean −0.005806
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

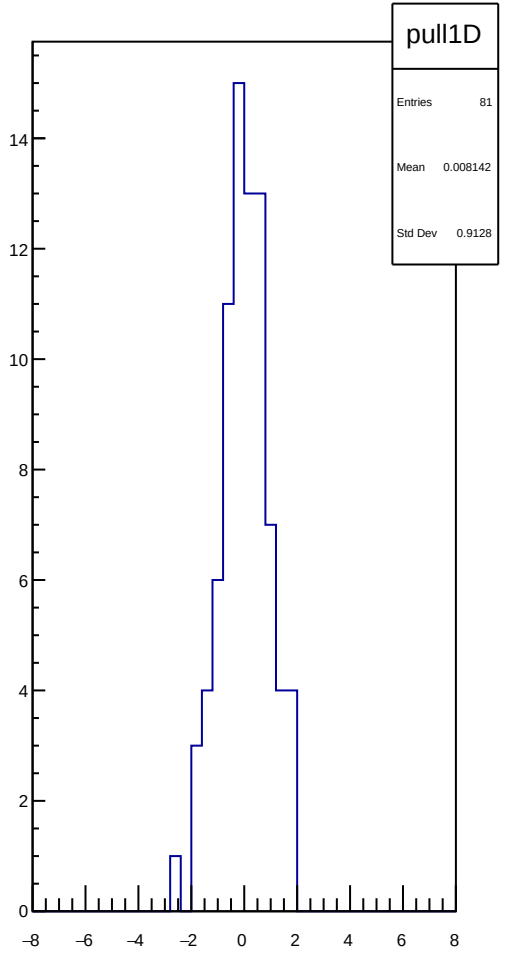

dit_asym_atl_dd_rms vs run
χ² / ndf 2820 / 80
p0 2065 ± 1.666
2250
2200
2150
2100
2050
2000
1950
1900
1850

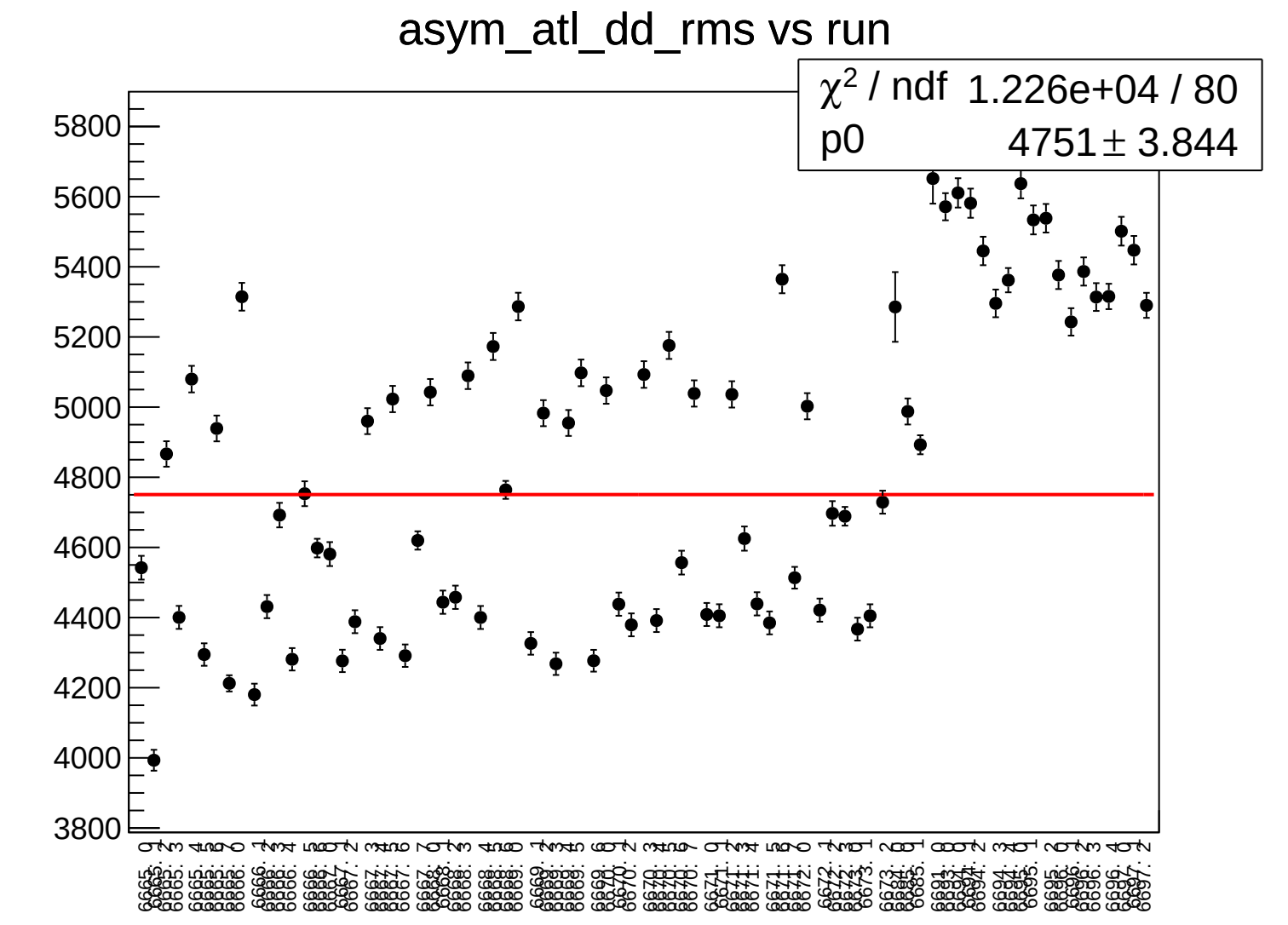

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 57.44 / 80
p0 −1.016e+04 ± 4957
pull
Entries 81
Mean 235.9
Std Dev 130.5

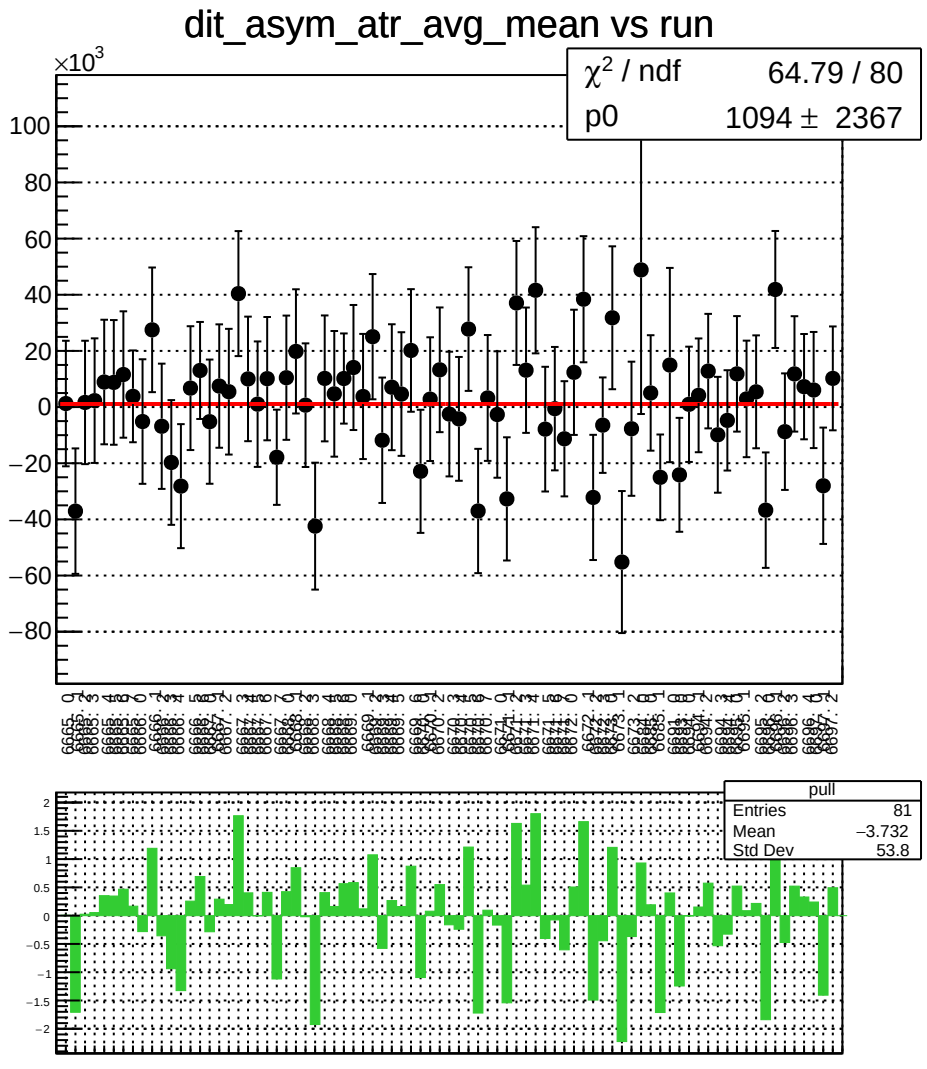

pull1D
Entries 81
Mean 0.004519
Std Dev 0.8421

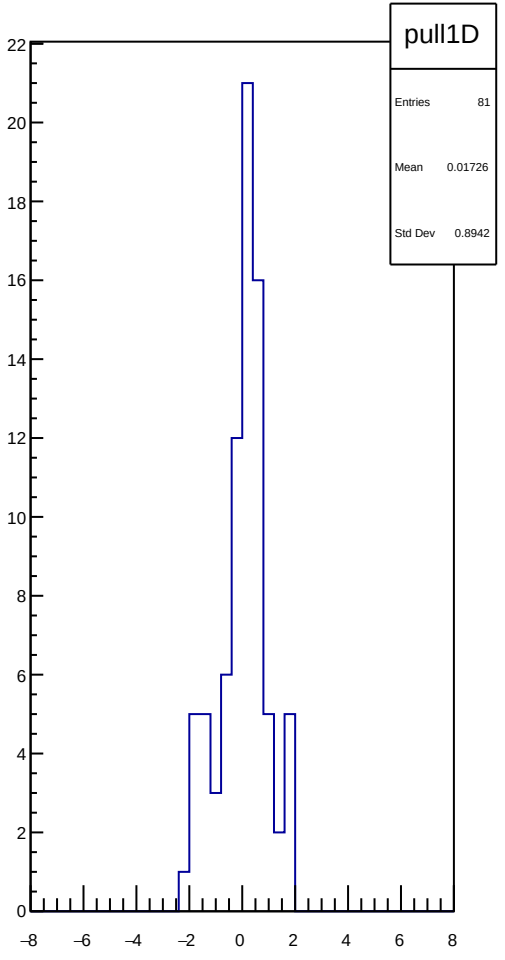

asym_atl_dd_correction_rms vs run
χ² / ndf 2.112e+04 / 80
p0 4319 ± 3.505
5500
5000
4500
4000
3500

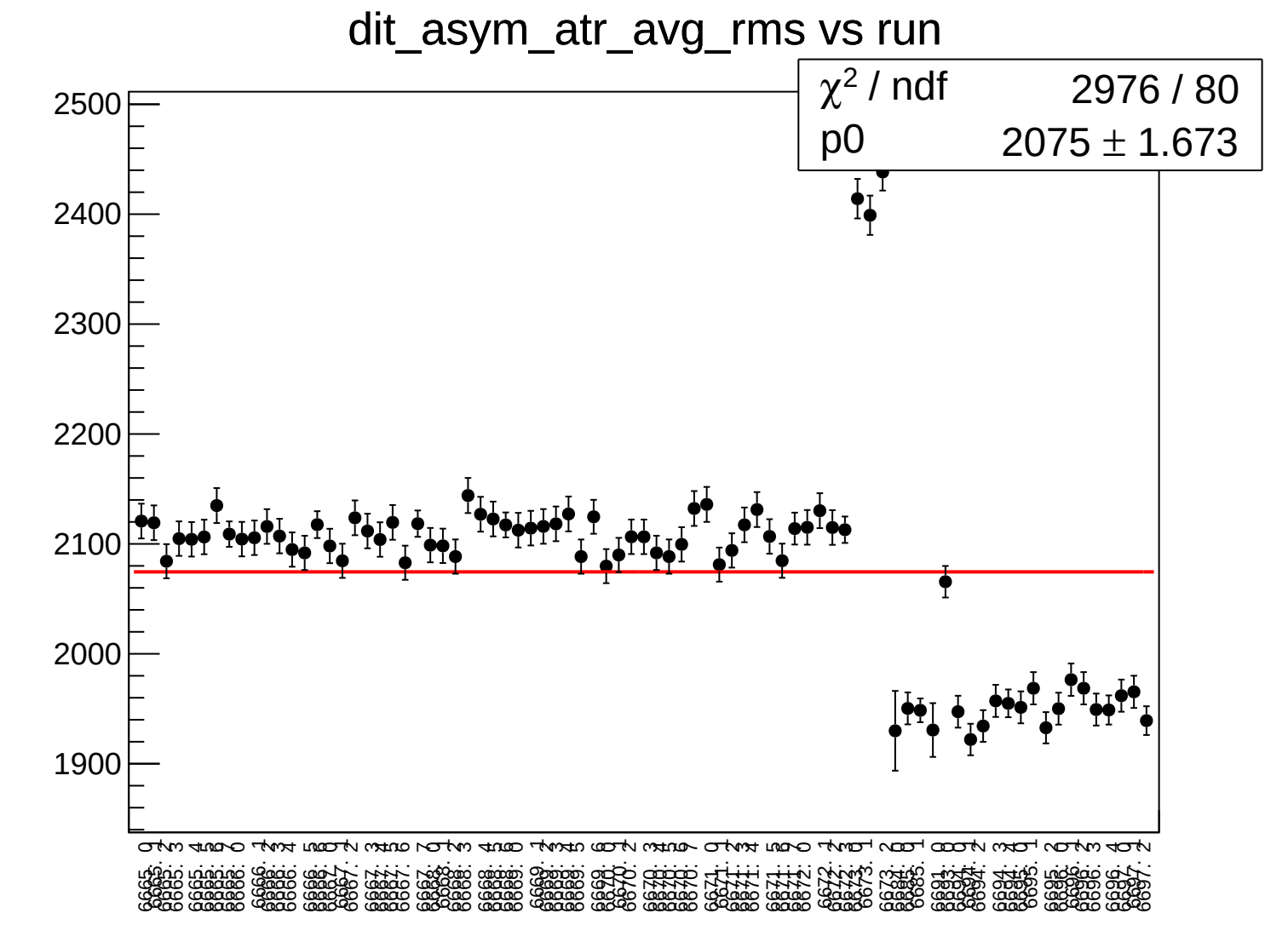

asym_atl_dd_mean vs run
×10^3
χ² / ndf 67.5 / 80
p0 7687 ± 5436
200
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 149.6
Std Dev 146.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

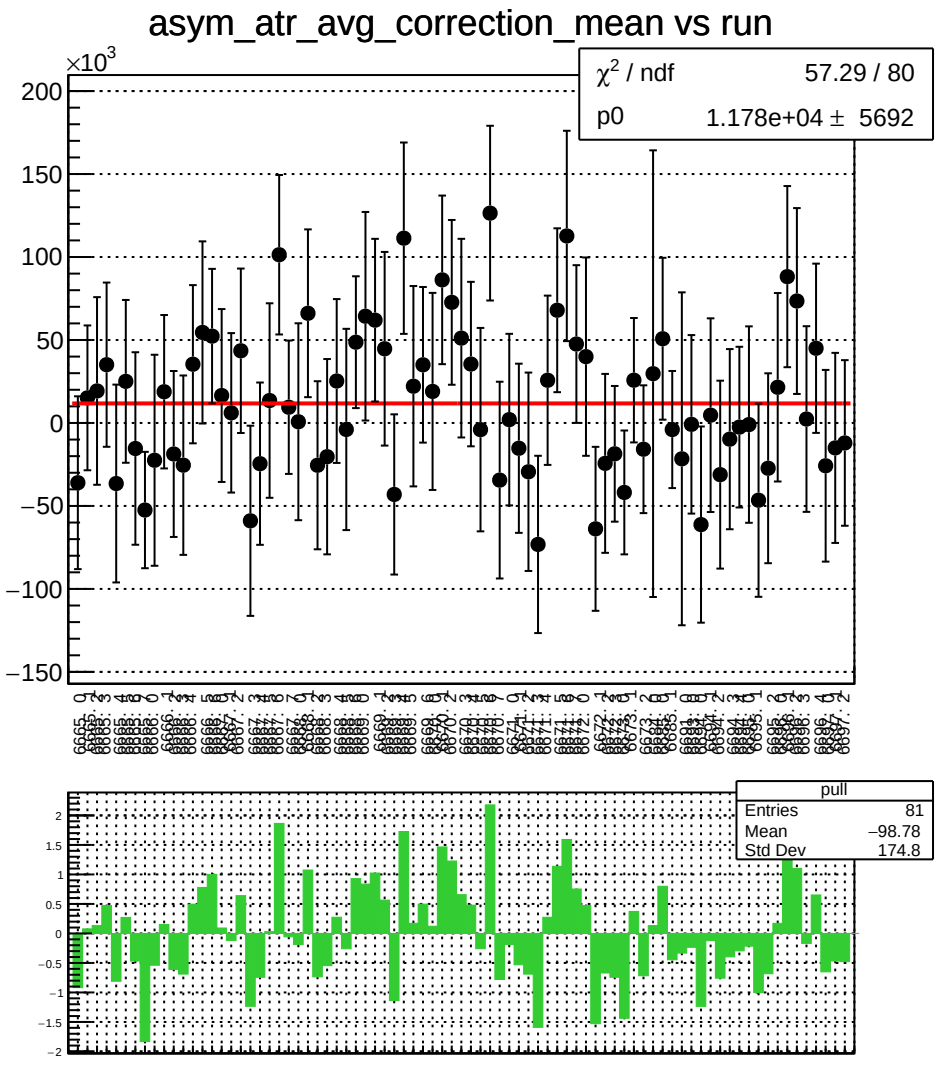

pull1D
Entries 81
Mean 0.008142
Std Dev 0.9128
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

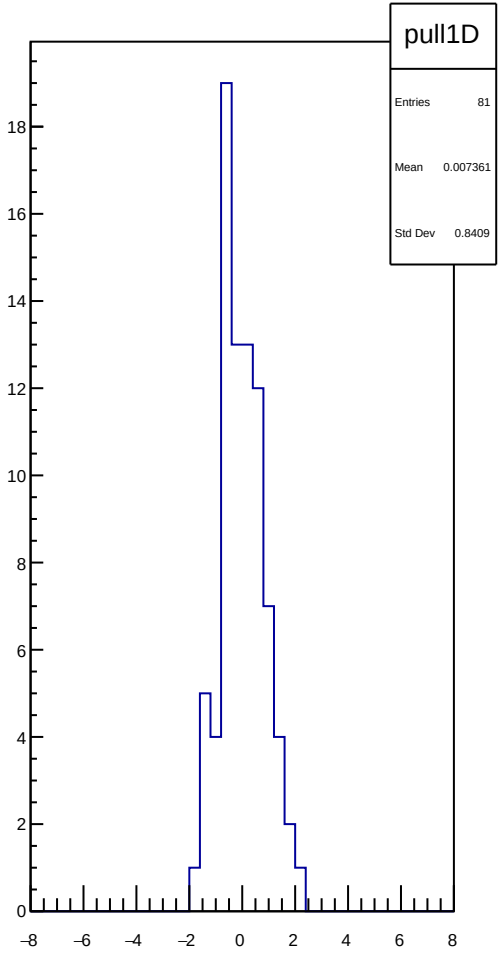

asym_atl_dd_rms vs run
χ² / ndf 1.226e+04 / 80
p0 4751 ± 3.844
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

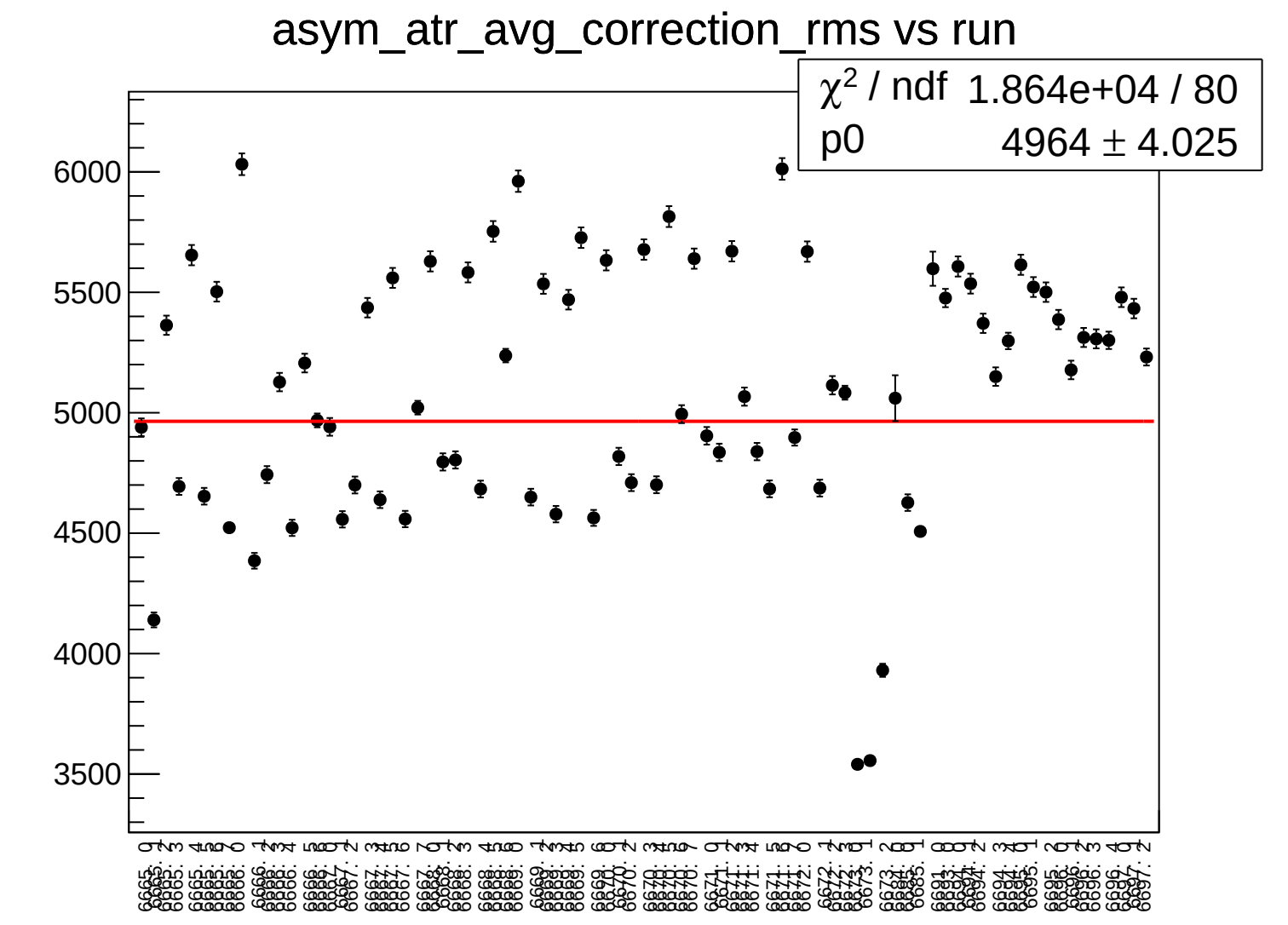

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 64.79 / 80
p0 1094 ± 2367
pull
Entries 81
Mean −3.732
Std Dev 53.8

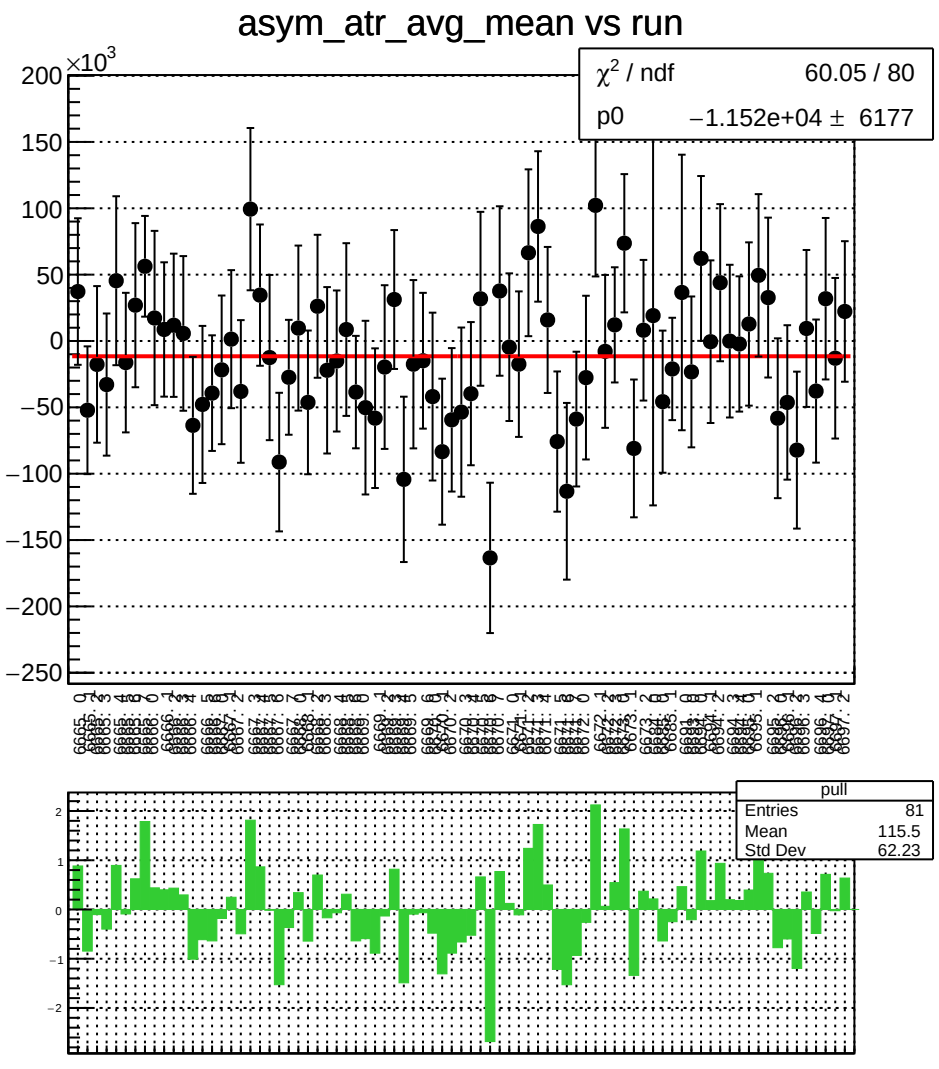

pull1D
Entries 81
Mean 0.01726
Std Dev 0.8942

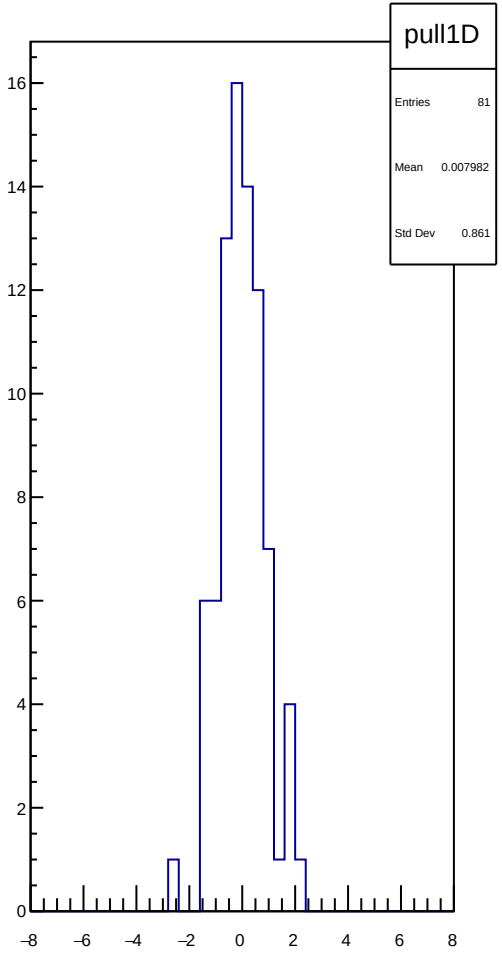

dit_asym_atr_avg_rms vs run
χ² / ndf 2976 / 80
p0 2075 ± 1.673
2500
2400
2300
2200
2100
2000
1900

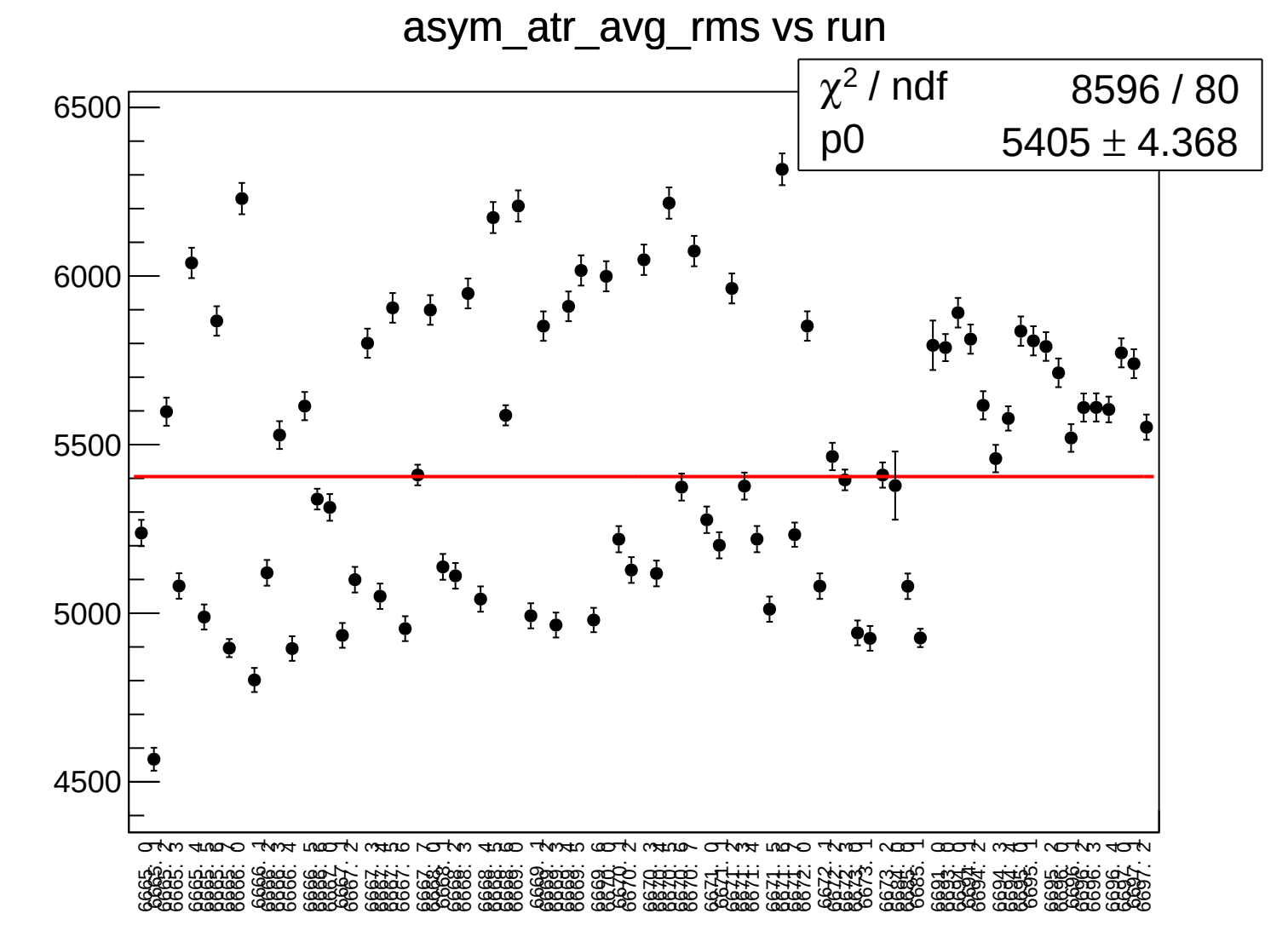

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 57.29 / 80
p0 1.178e+04 ± 5692
pull
Entries 81
Mean −98.78
Std Dev 174.8

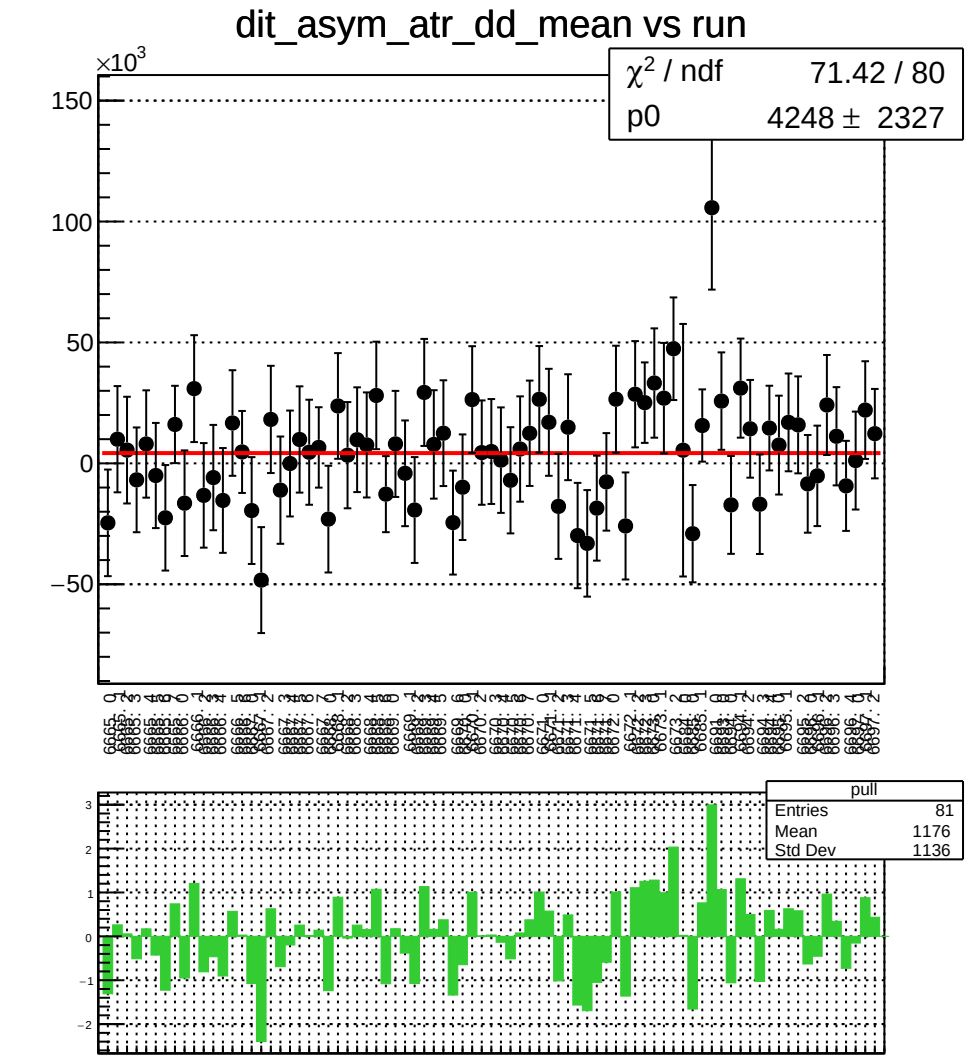

pull1D
Entries 81
Mean 0.007361
Std Dev 0.8409

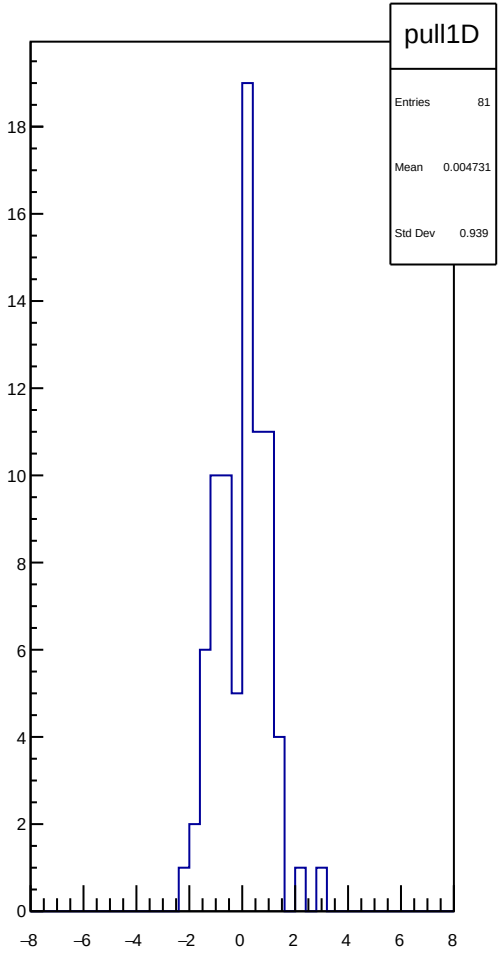

asym_atr_avg_correction_rms vs run
χ² / ndf 1.864e+04 / 80
p0 4964 ± 4.025
6000
5500
5000
4500
4000
3500

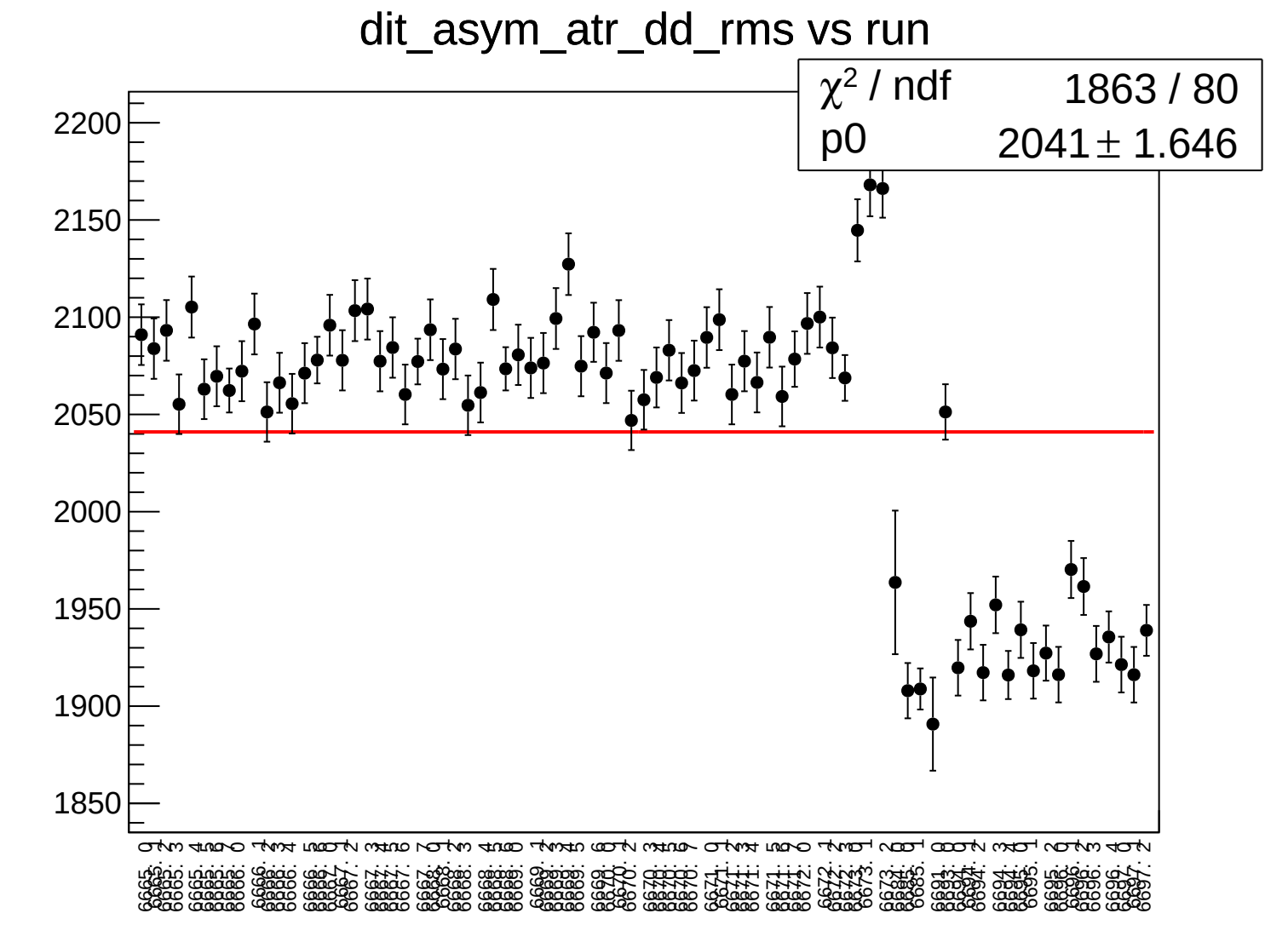

asym_atr_avg_mean vs run
×10^3
χ² / ndf 60.05 / 80
p0 −1.152e+04 ± 6177
pull
Entries 81
Mean 115.5
Std Dev 62.23

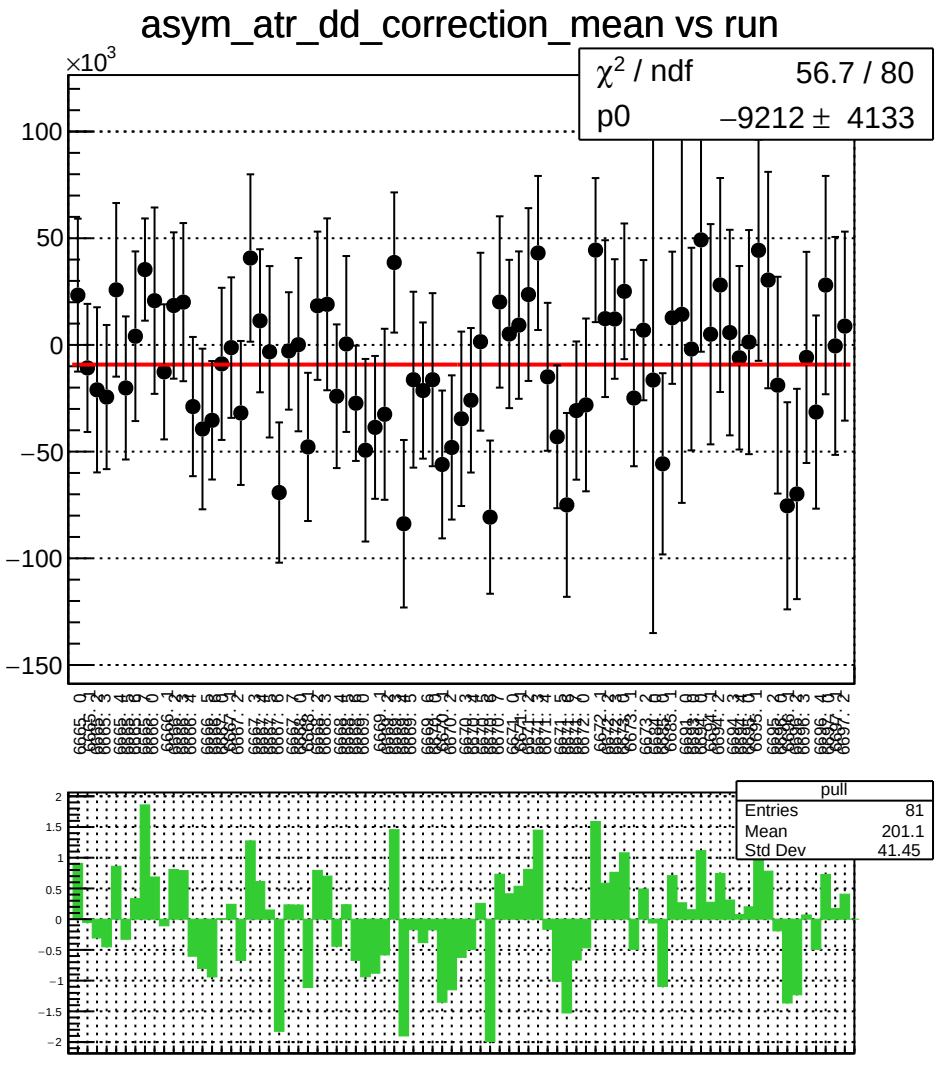

pull1D
Entries 81
Mean 0.007982
Std Dev 0.861

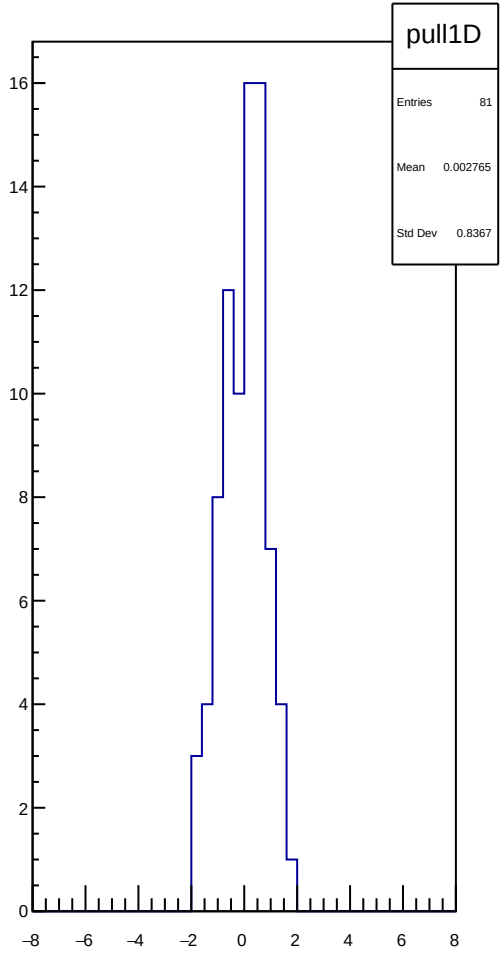

asym_atr_avg_rms vs run
χ² / ndf 8596 / 80
p0 5405 ± 4.368
6500
6000
5500
5000
4500

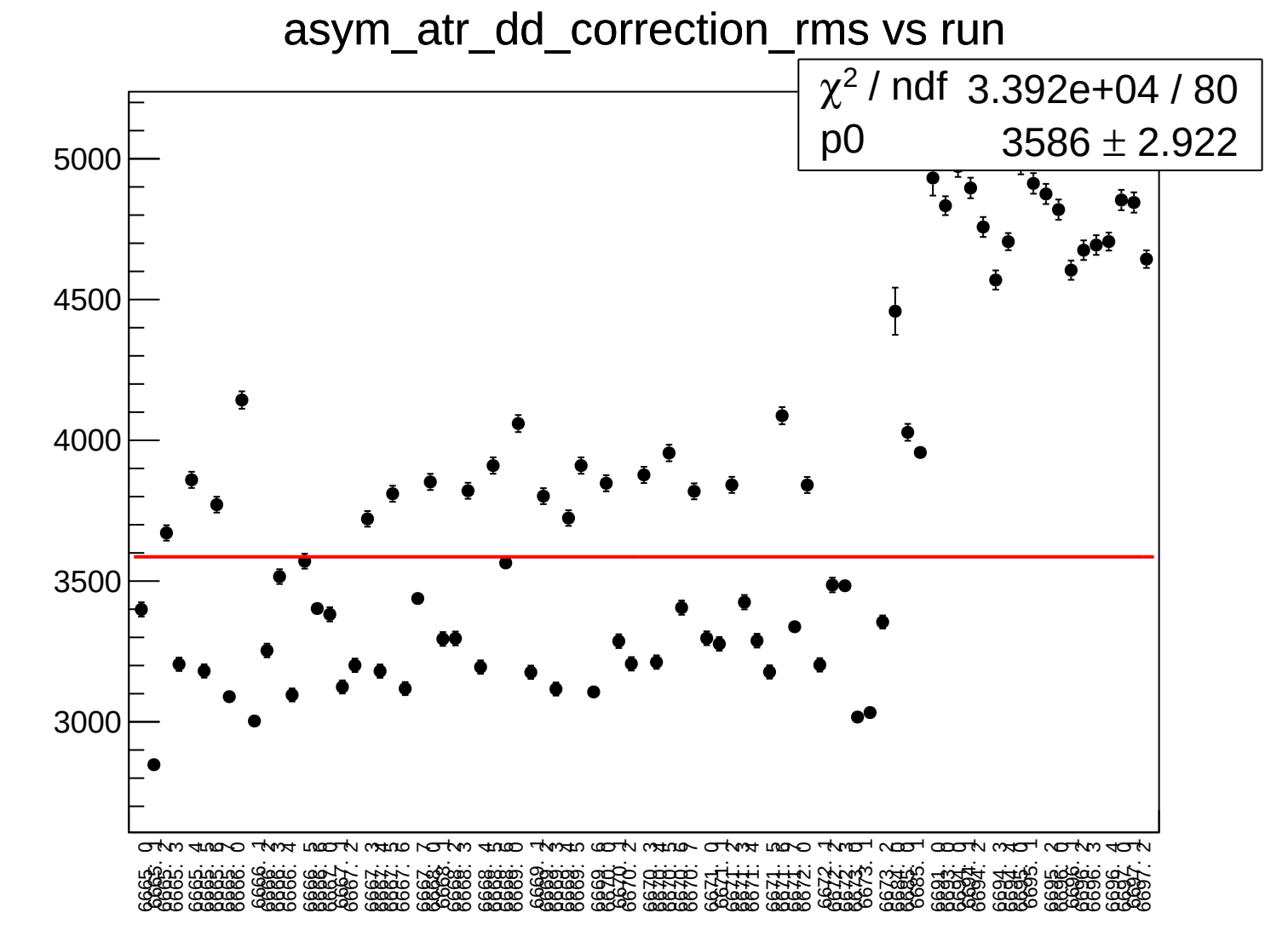

dit_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 71.42 / 80
p0 4248 ± 2327
150
100
50
0
−50
pull
Entries 81
Mean 1176
Std Dev 1136
3
2
1
0
−1
−2

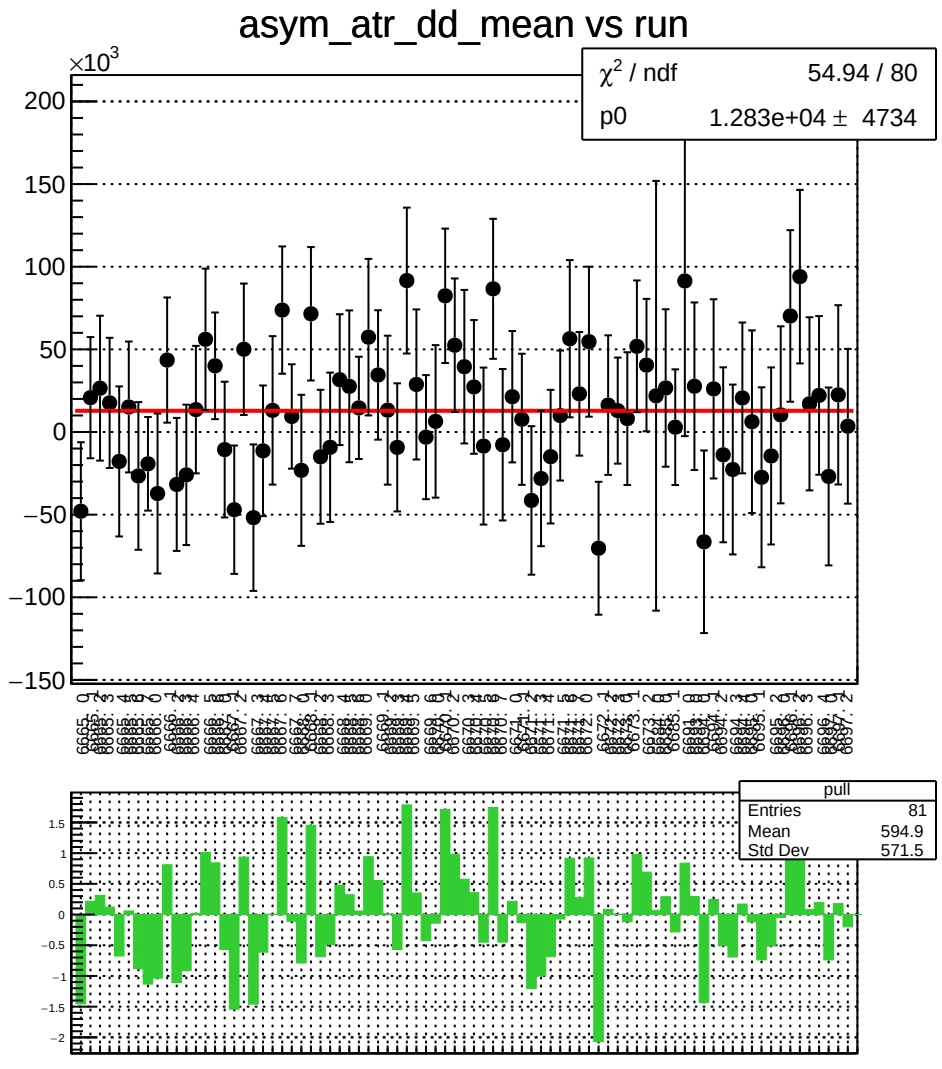

pull1D
Entries 81
Mean 0.004731
Std Dev 0.939
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

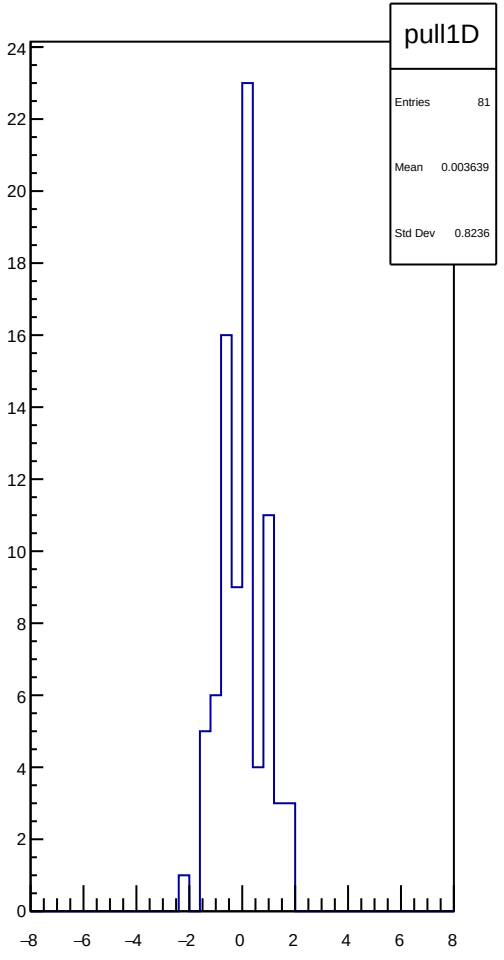

dit_asym_atr_dd_rms vs run
χ² / ndf 1863 / 80
p0 2041 ± 1.646
2200
2150
2100
2050
2000
1950
1900
1850

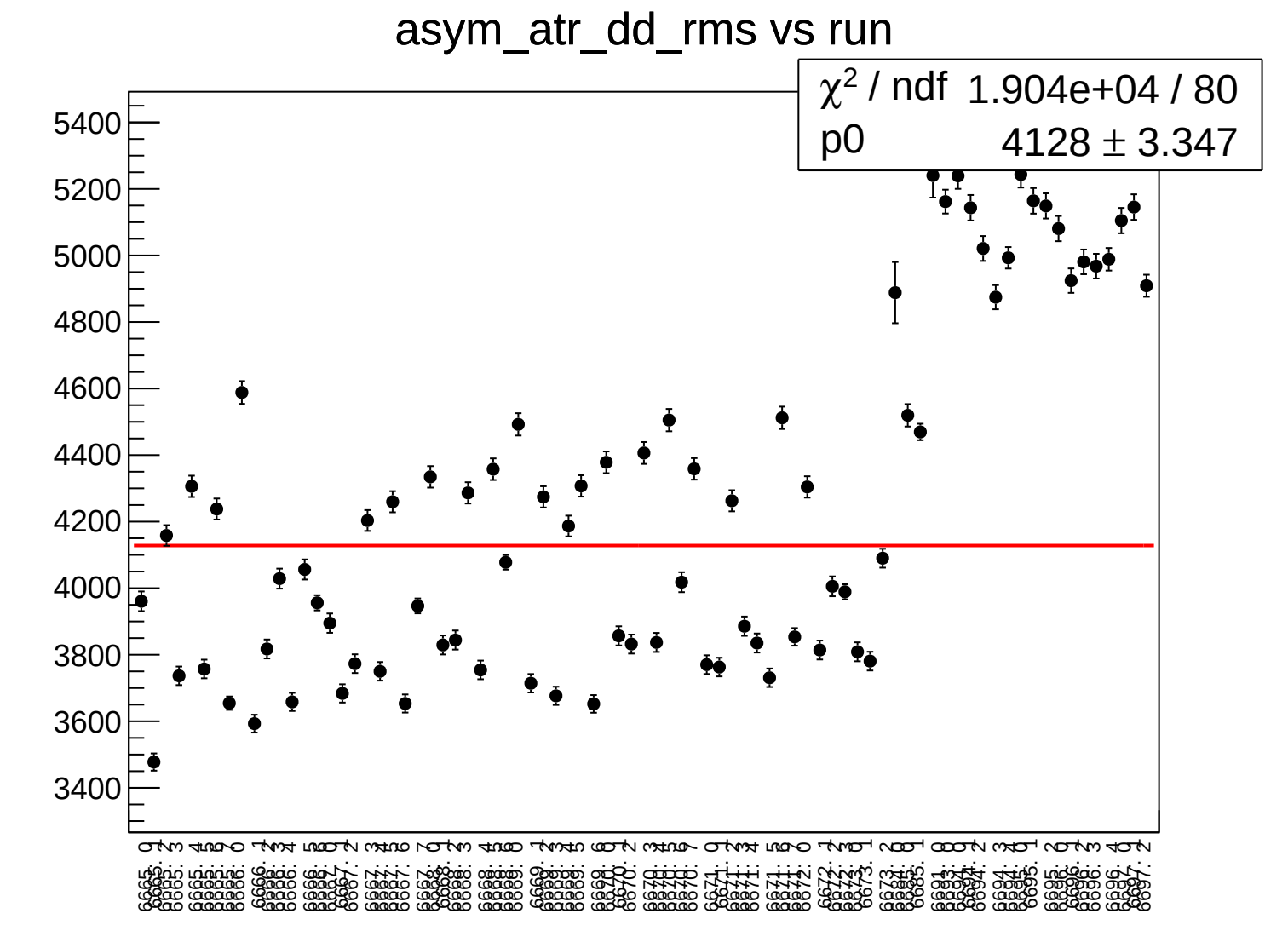

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 56.7 / 80
p0 −9212 ± 4133
100
50
0
−50
−100
−150
pull
Entries 81
Mean 201.1
Std Dev 41.45
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

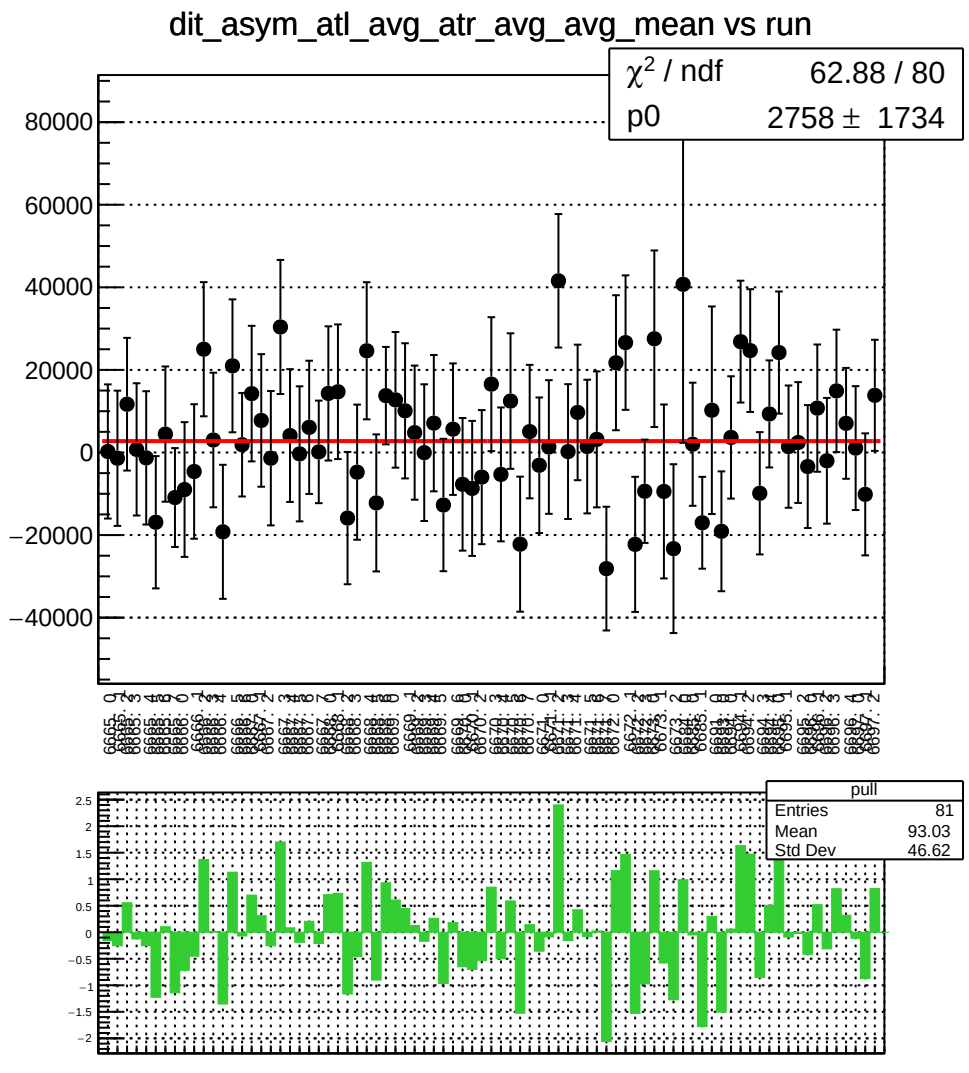

pull1D
Entries 81
Mean 0.002765
Std Dev 0.8367
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

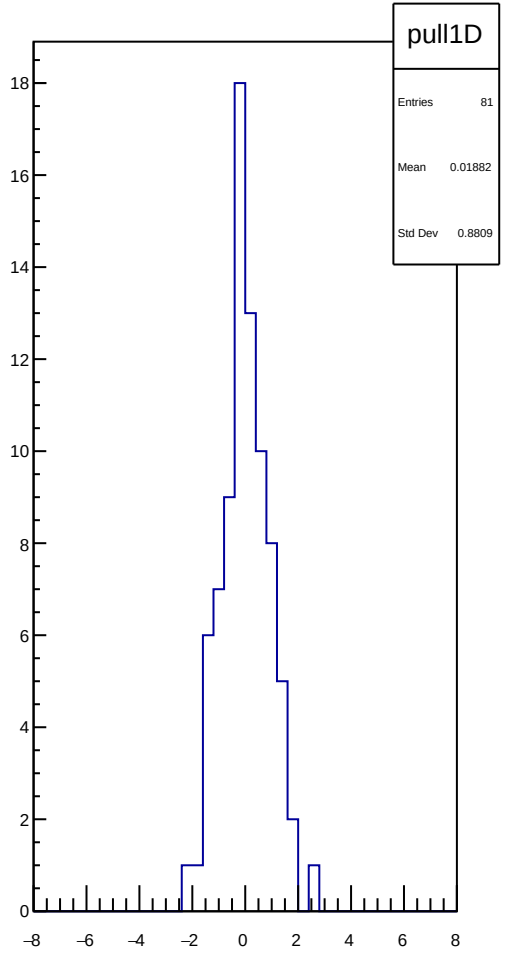

asym_atr_dd_correction_rms vs run
χ² / ndf 3.392e+04 / 80
p0 3586 ± 2.922
5000
4500
4000
3500
3000

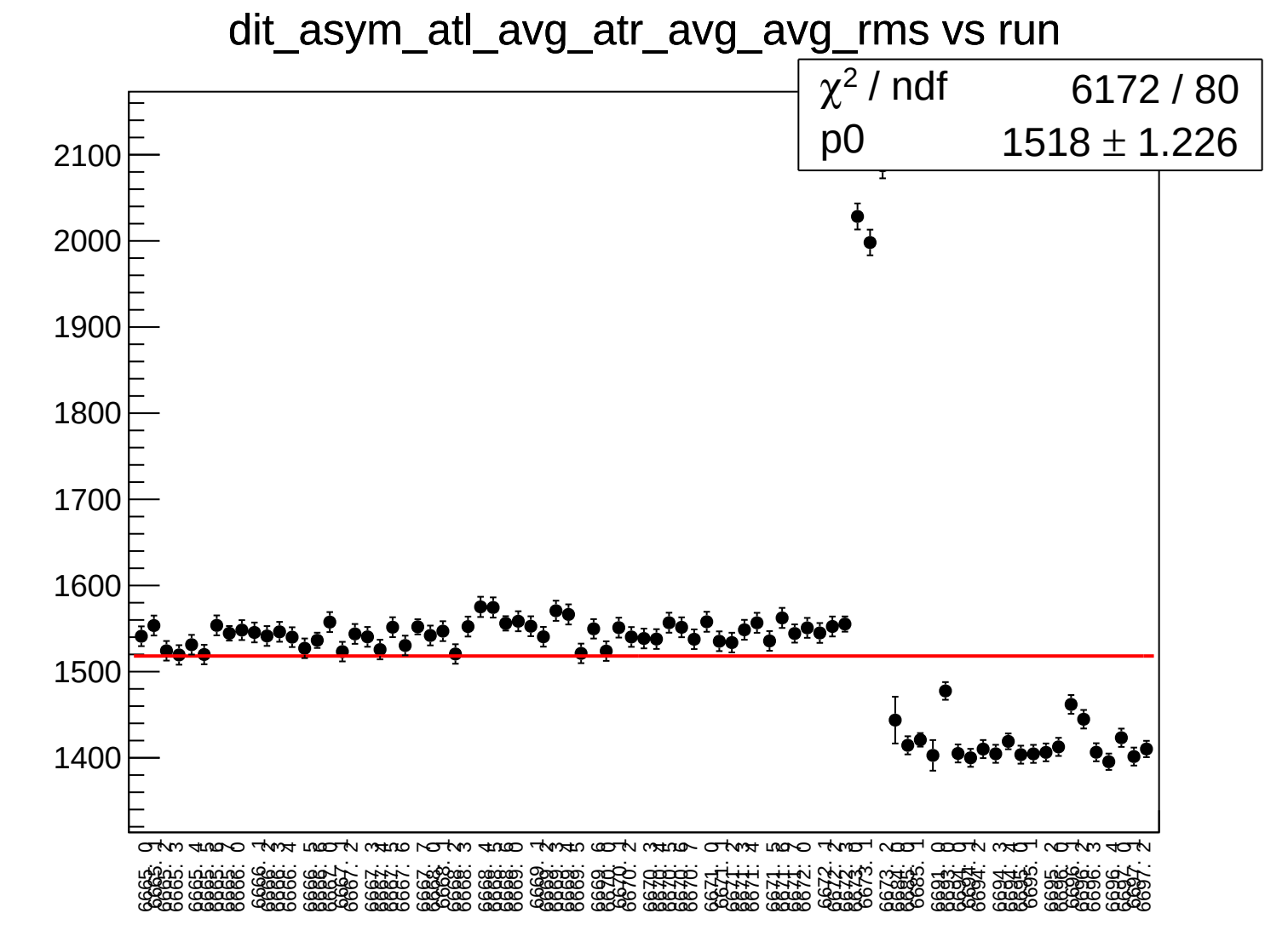

asym_atr_dd_mean vs run
×10^3
χ² / ndf 54.94 / 80
p0 1.283e+04 ± 4734
pull
Entries 81
Mean 594.9
Std Dev 571.5

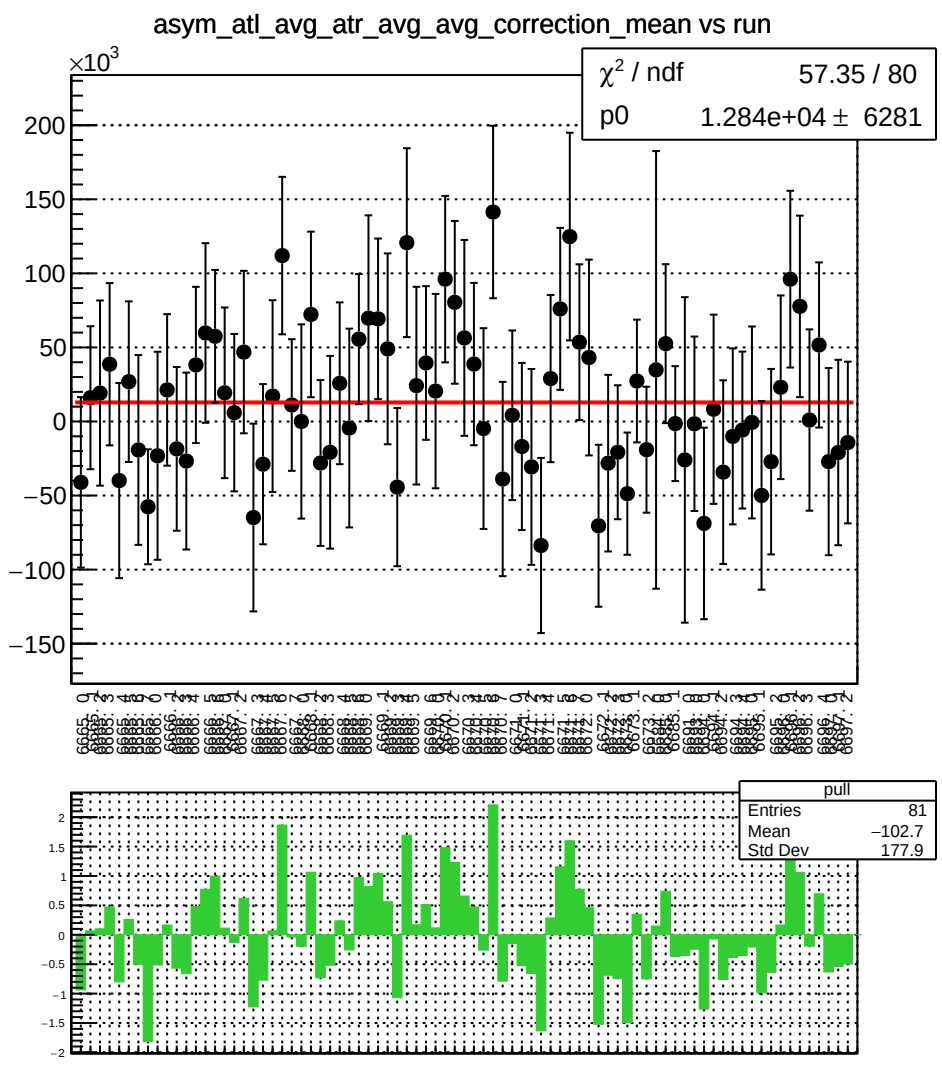

pull1D
Entries 81
Mean 0.003639
Std Dev 0.8236

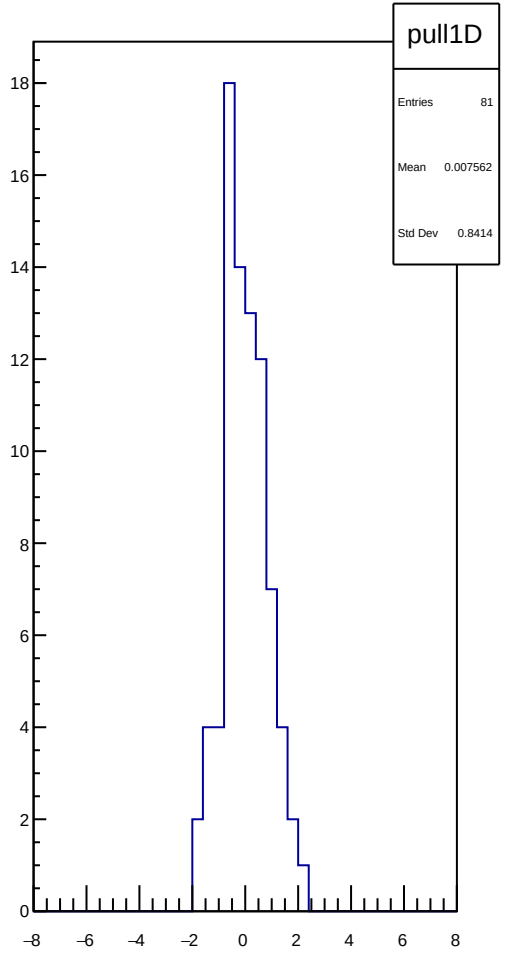

asym_atr_dd_rms vs run
$\chi^2$ / ndf 1.904e+04 / 80
p0 4128 ± 3.347
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400

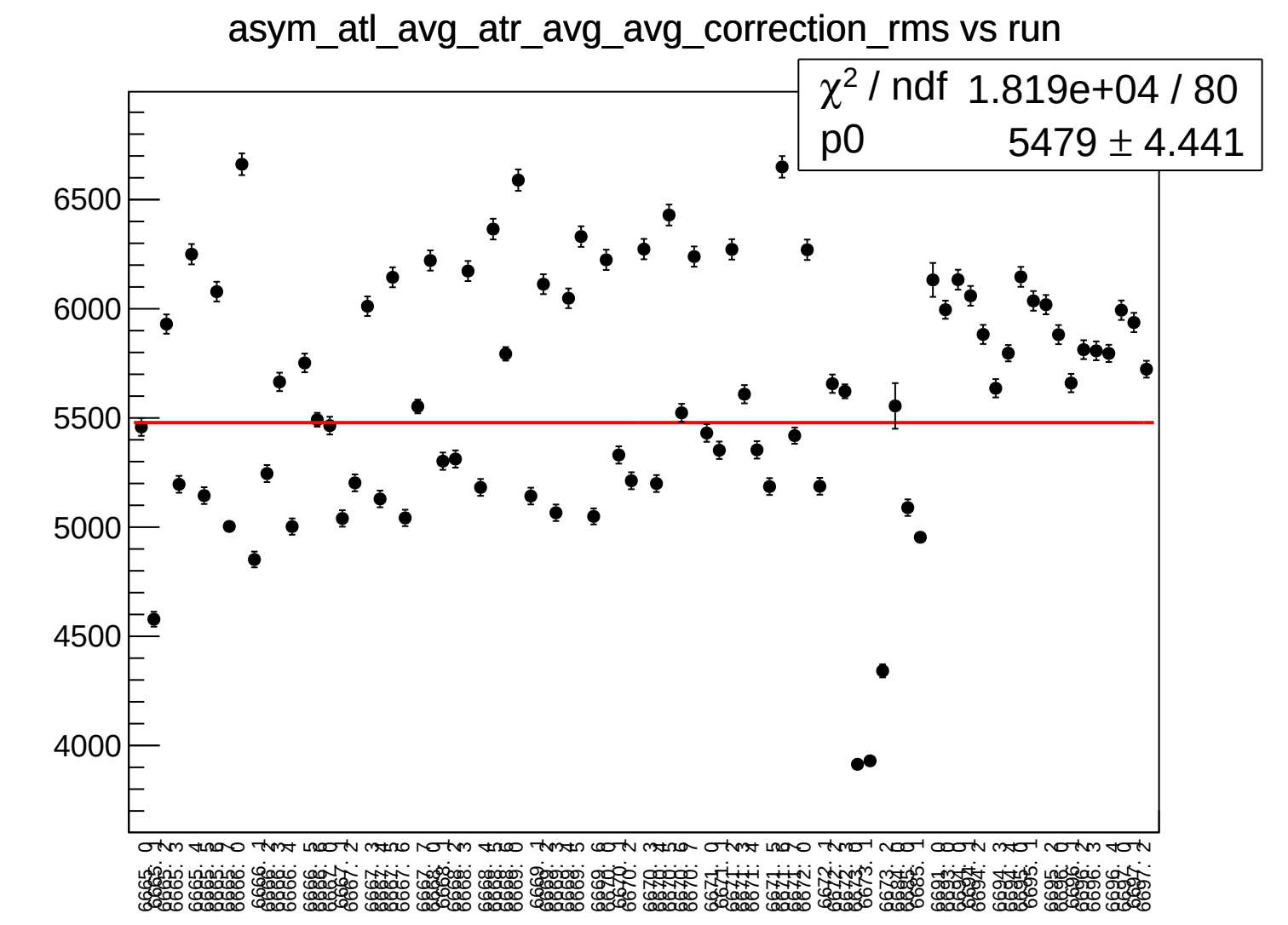

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 62.88 / 80
p0 2758 ± 1734
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 93.03
Std Dev 46.62
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

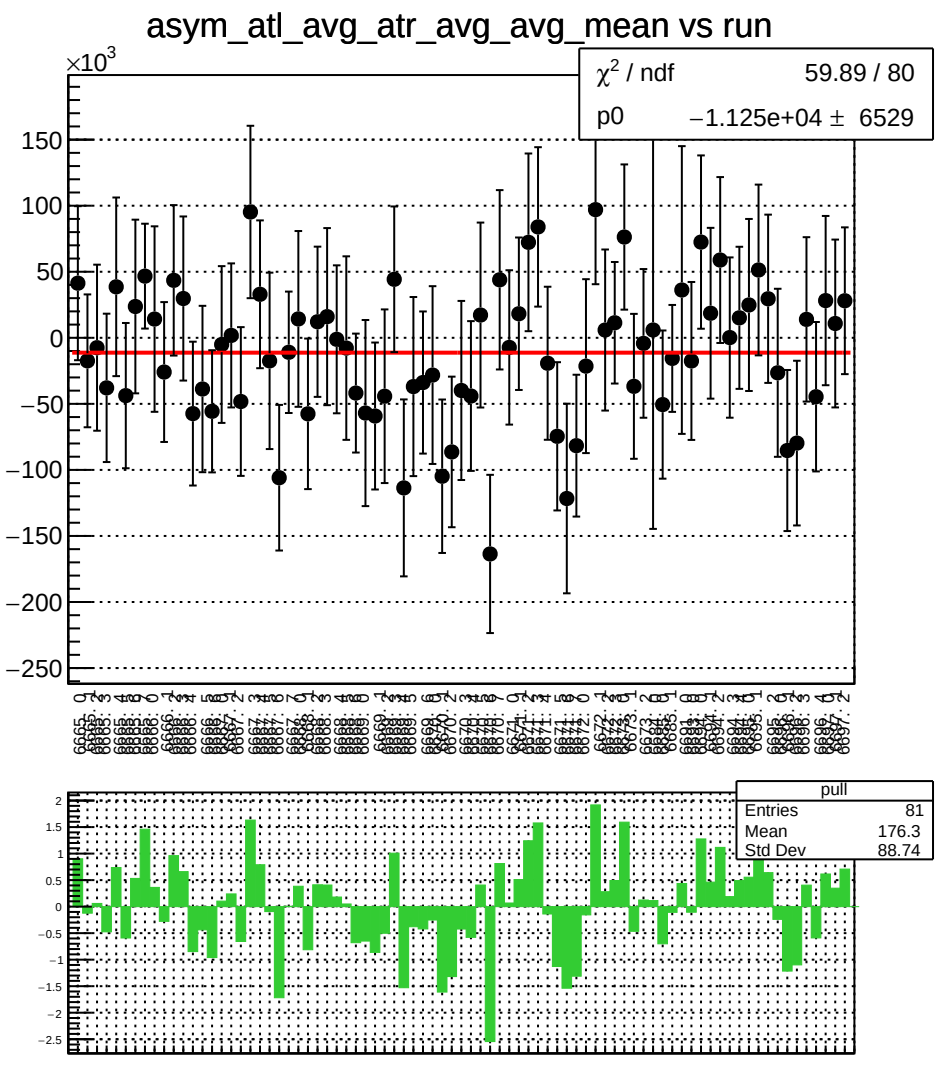

pull1D
Entries 81
Mean 0.01882
Std Dev 0.8809
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

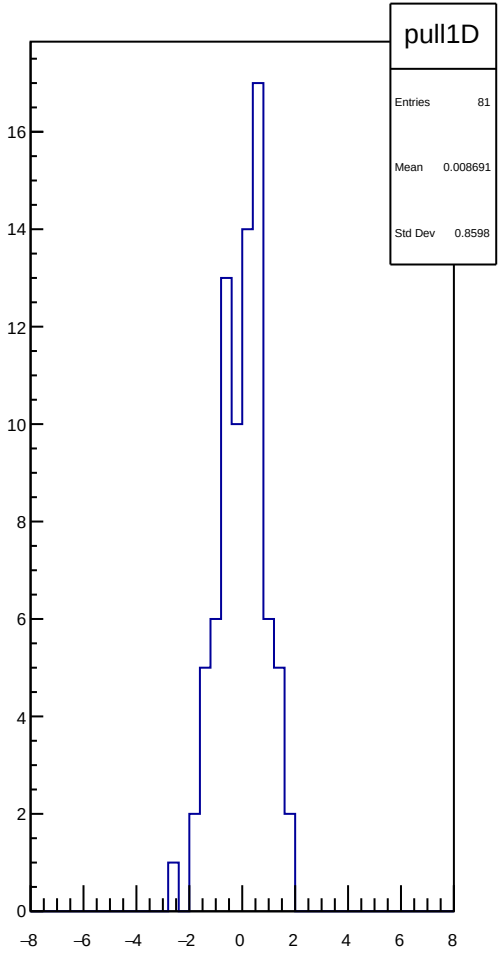

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6172 / 80
p0 1518 ± 1.226
2100
2000
1900
1800
1700
1600
1500
1400

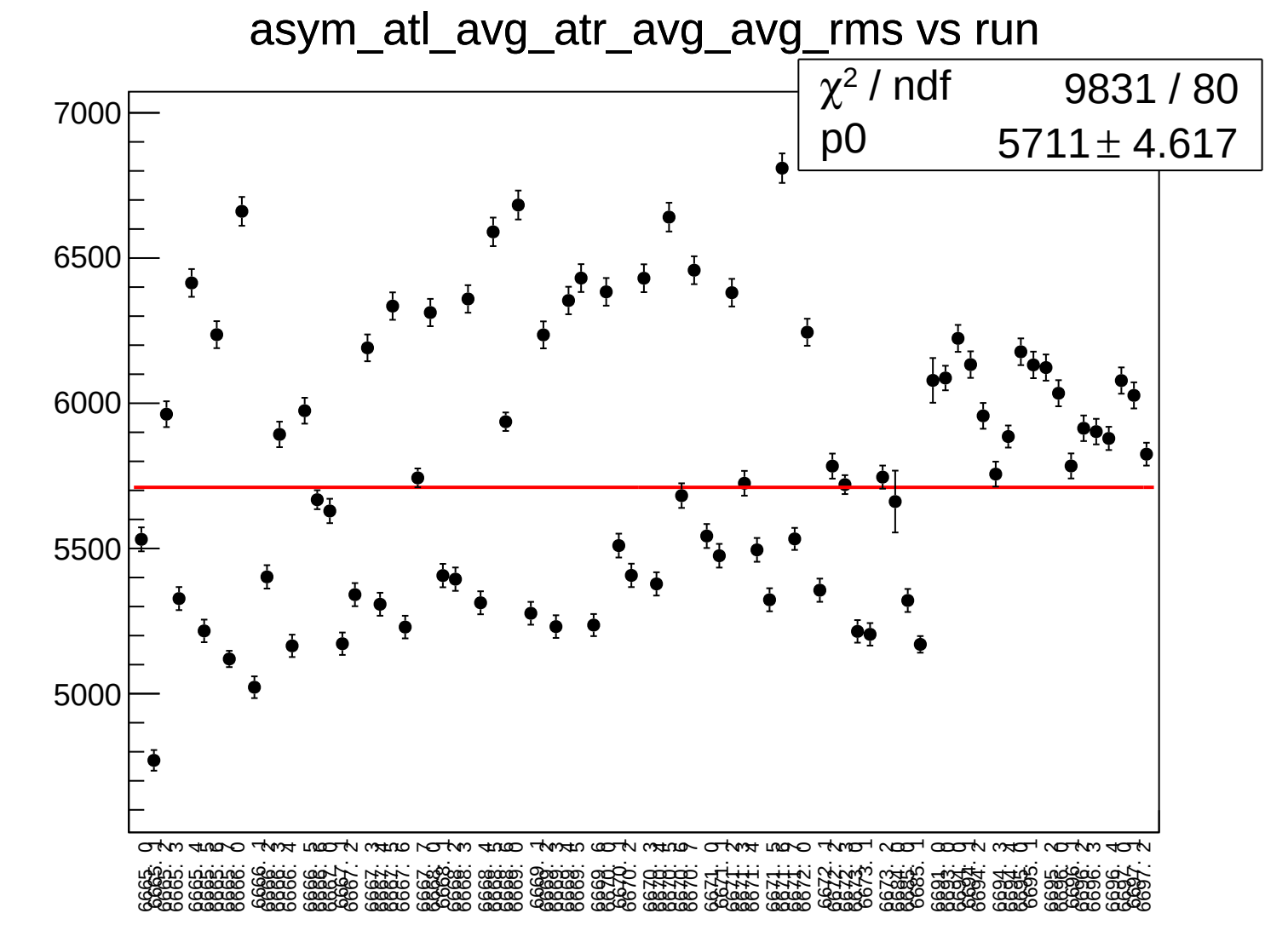

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 57.35 / 80
p0 1.284e+04 ± 6281
200
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean −102.7
Std Dev 177.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

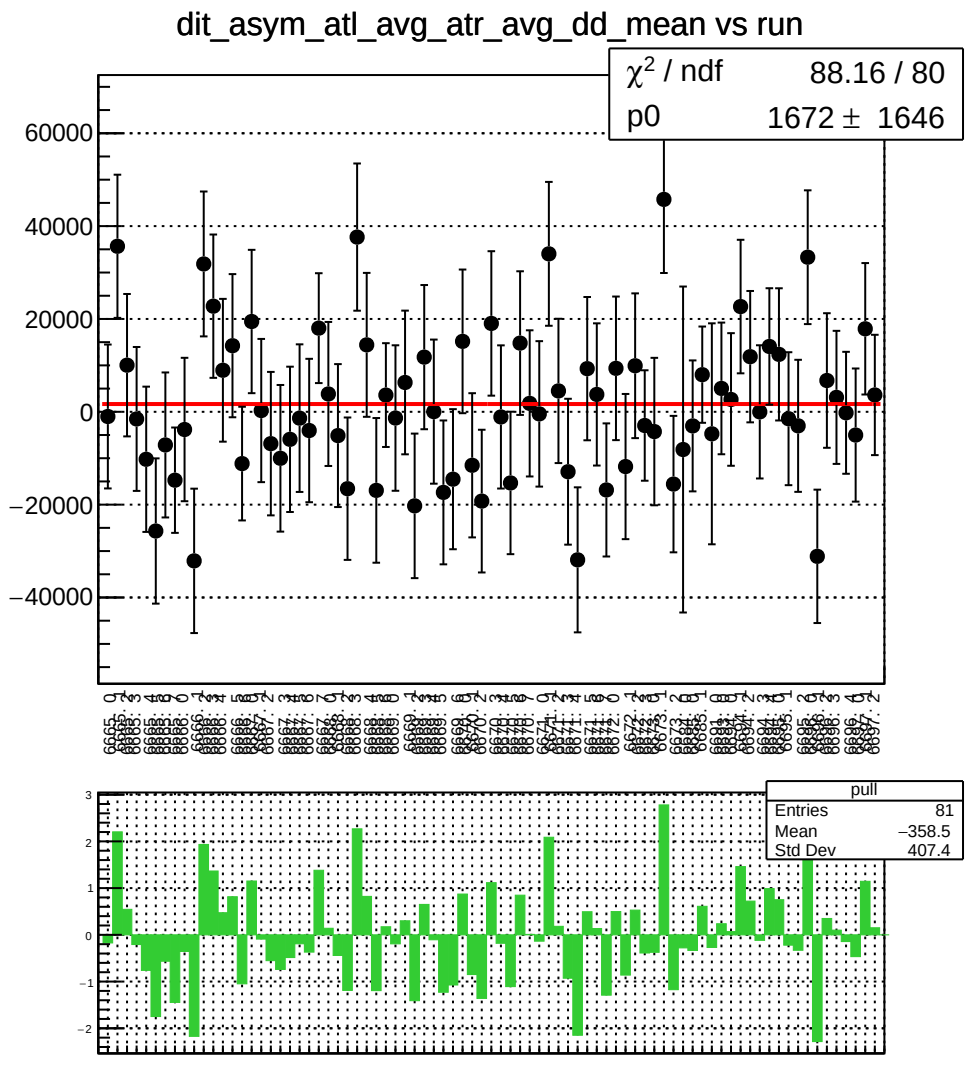

pull1D
Entries 81
Mean 0.007562
Std Dev 0.8414
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

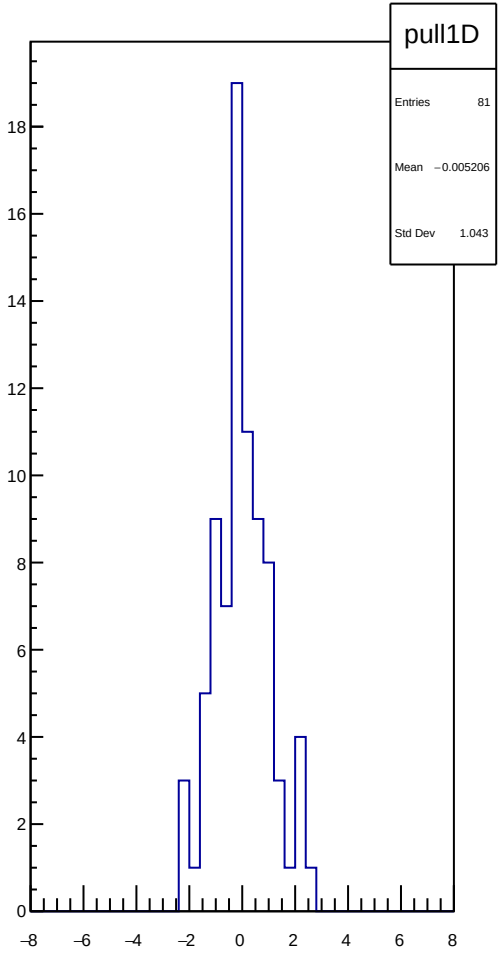

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 1.819e+04 / 80
p0 5479 ± 4.441
6500
6000
5500
5000
4500
4000

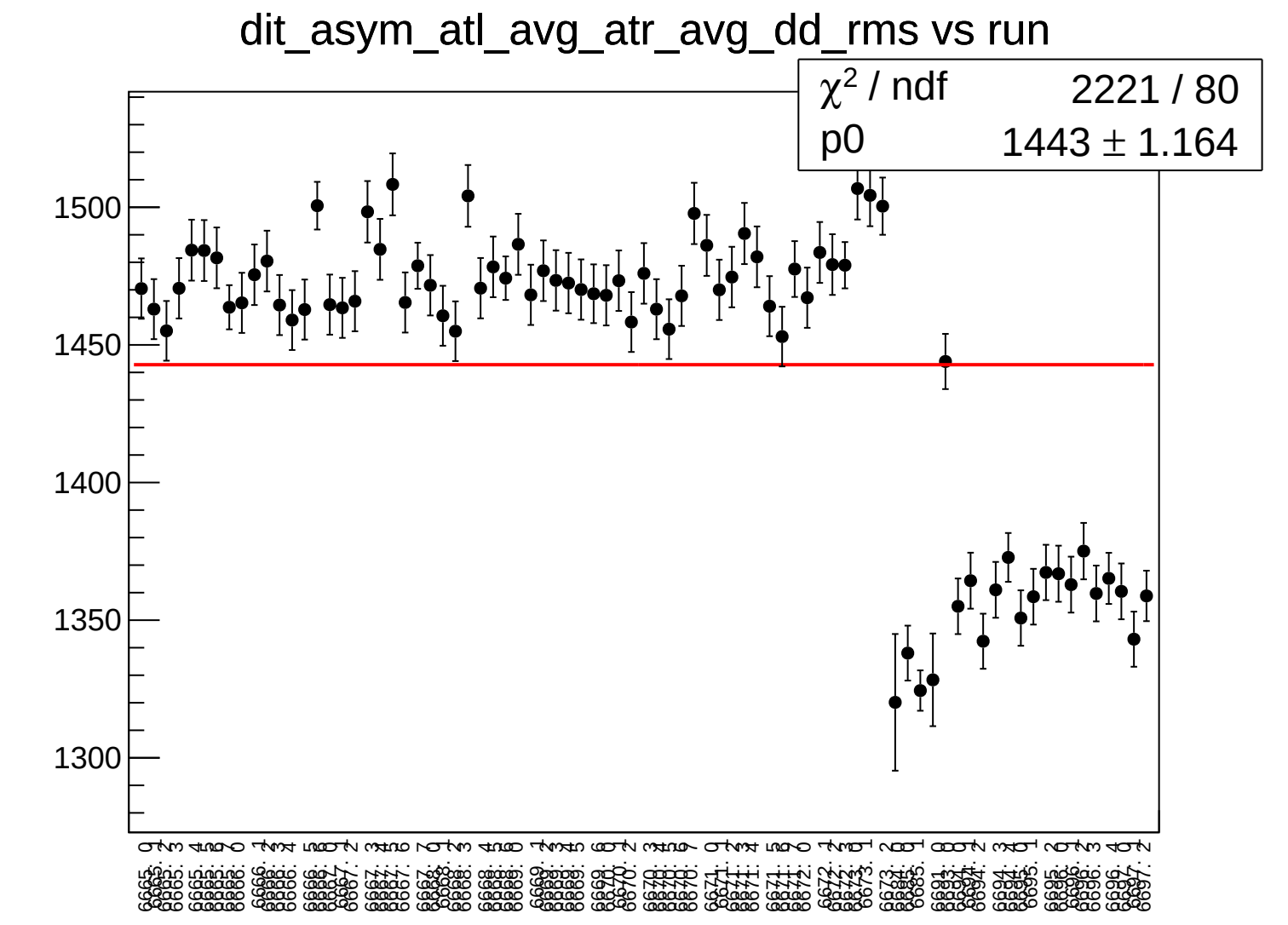

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 59.89 / 80
p0 −1.125e+04 ± 6529
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 81
Mean 176.3
Std Dev 88.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

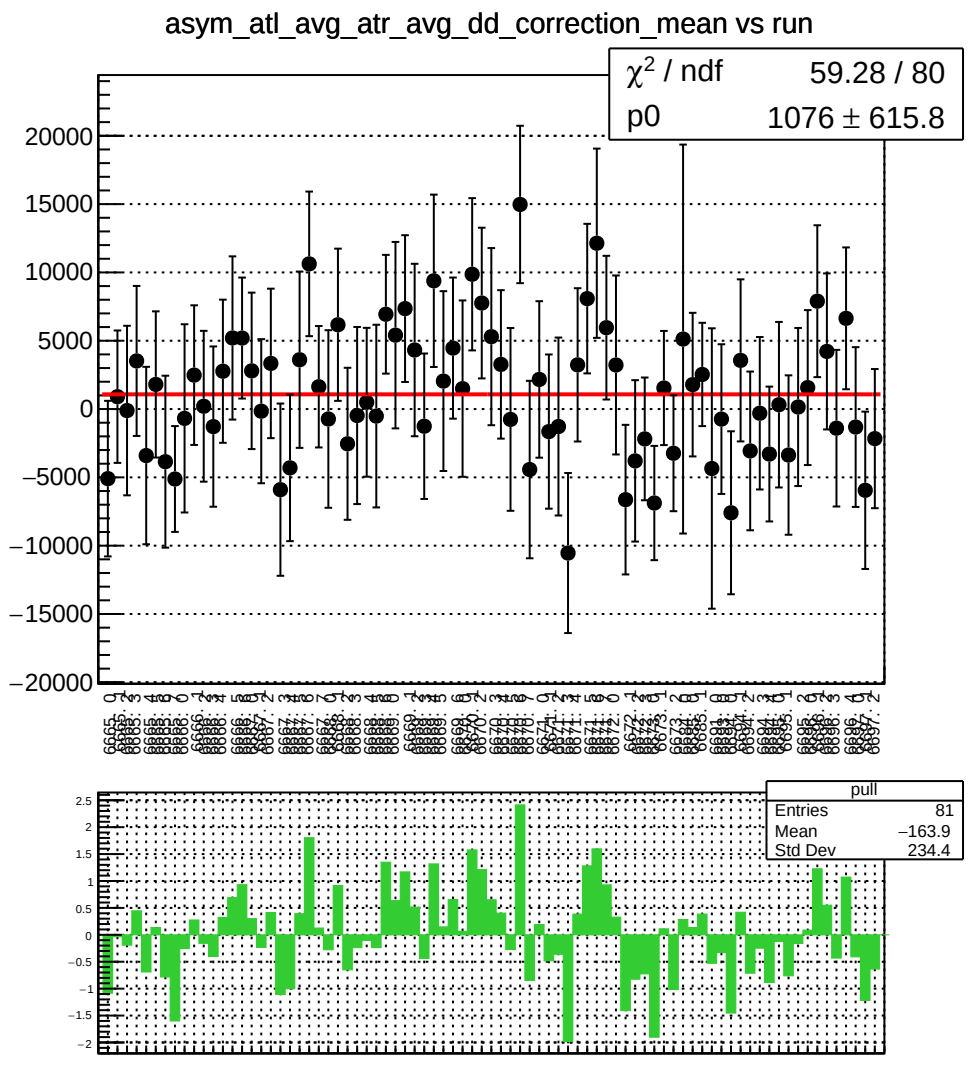

pull1D
Entries 81
Mean 0.008691
Std Dev 0.8598
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

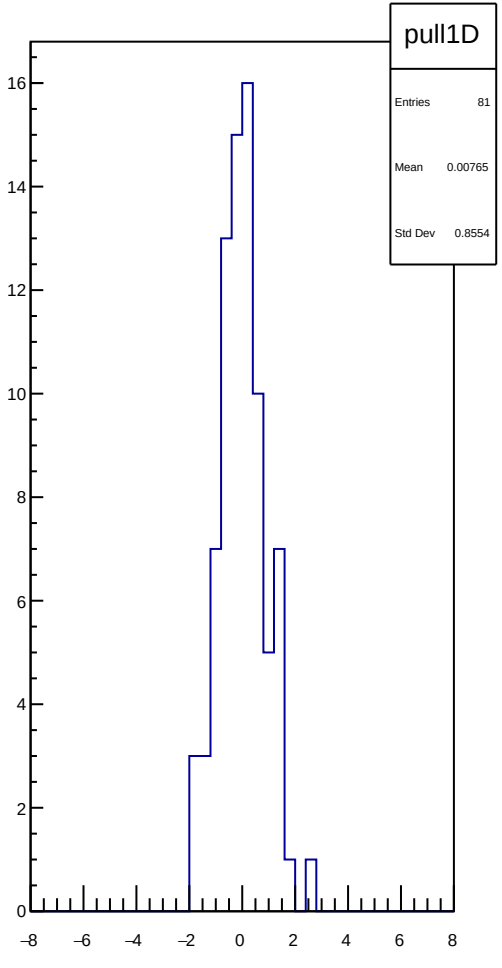

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 9831 / 80
p0 5711 ± 4.617
7000
6500
6000
5500
5000

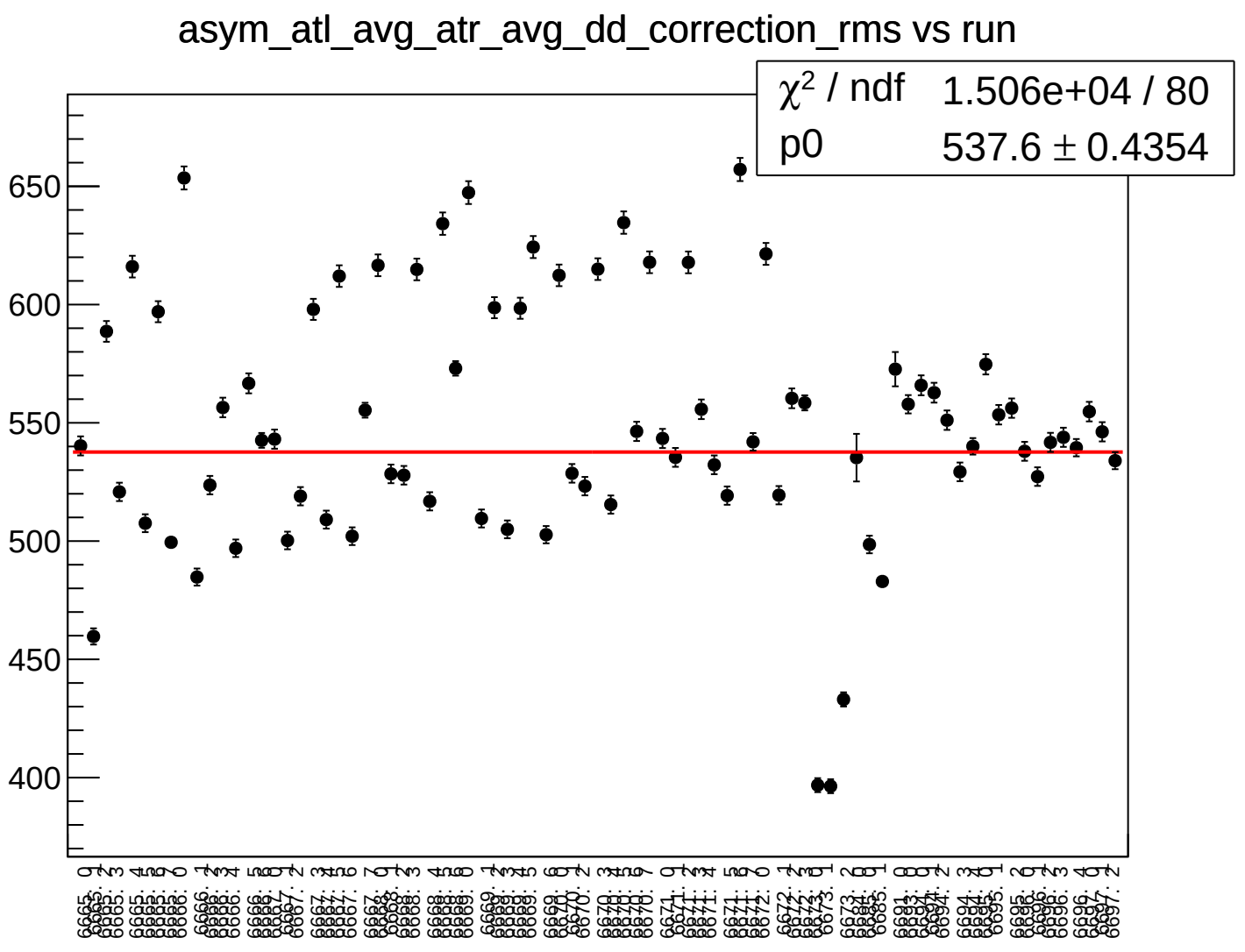

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 88.16 / 80
p0 1672 ± 1646
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −358.5
Std Dev 407.4
3
2
1
0
−1
−2

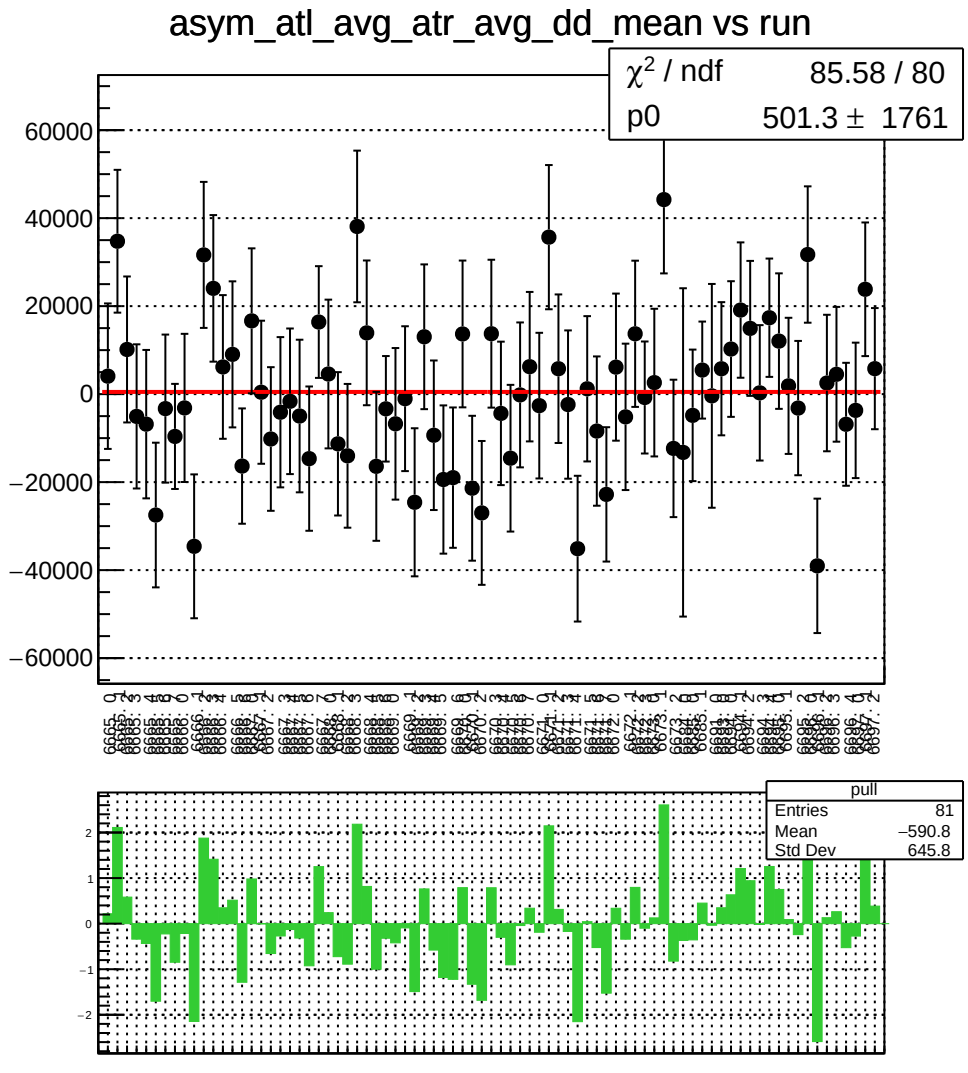

pull1D
Entries 81
Mean −0.005206
Std Dev 1.043
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

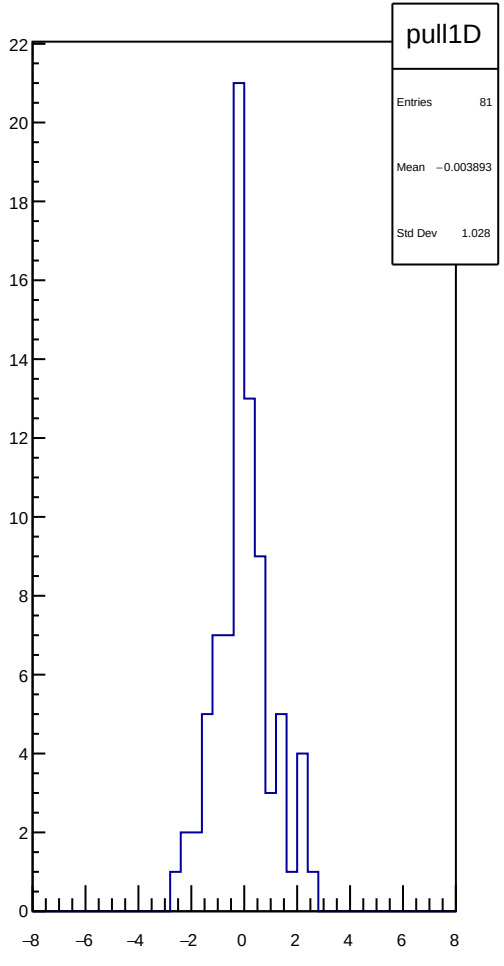

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2221 / 80
p0 1443 ± 1.164
1500
1450
1400
1350
1300

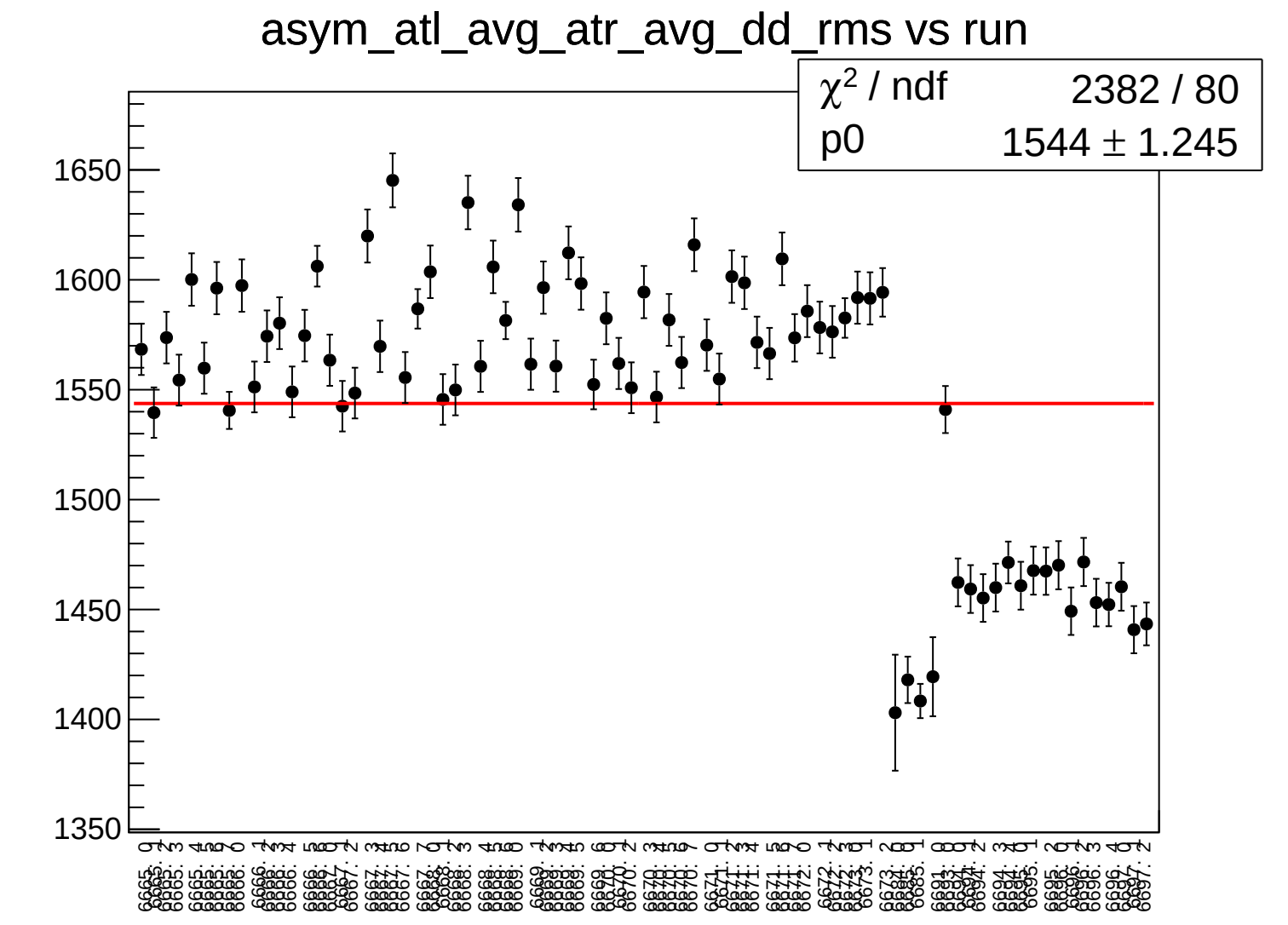

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 59.28 / 80
p0 1076 ± 615.8
pull
Entries 81
Mean −163.9
Std Dev 234.4

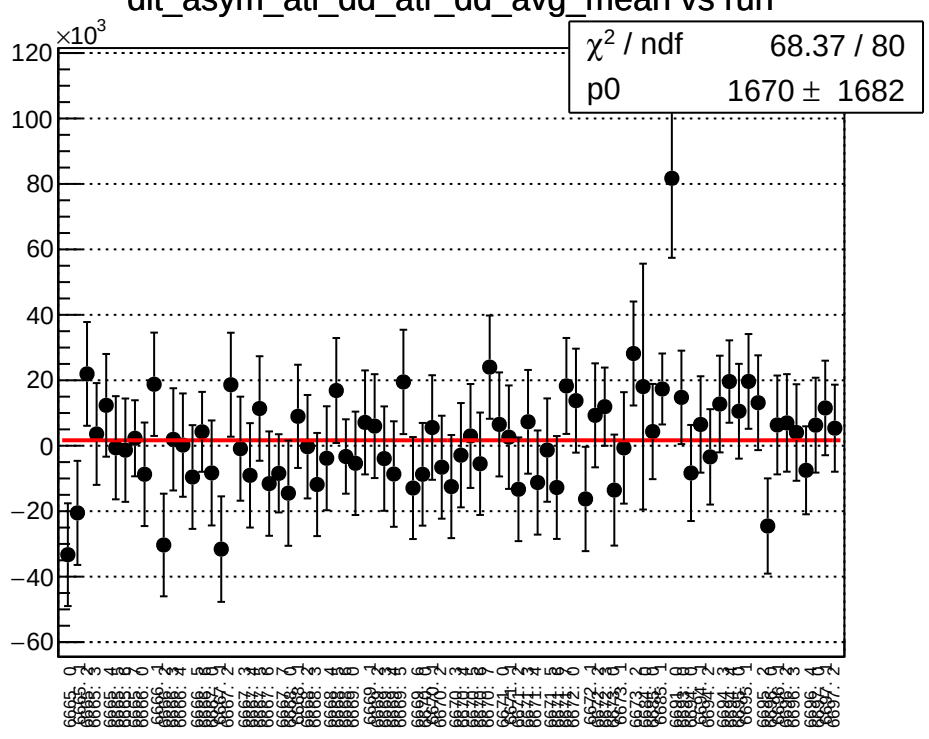

pull1D
Entries 81
Mean 0.00765
Std Dev 0.8554

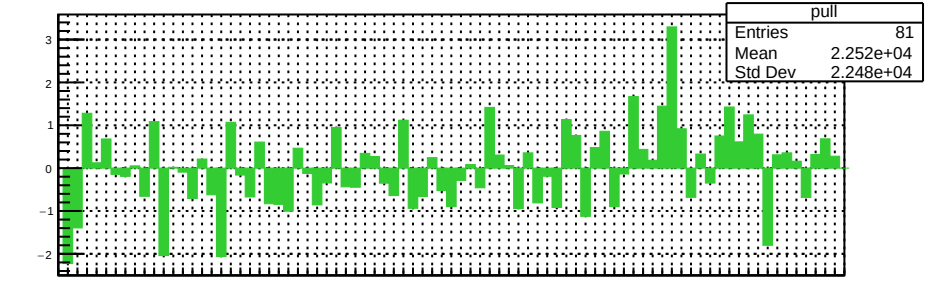

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1.506e+04 / 80
p0 537.6 ± 0.4354
650
600
550
500
450
400

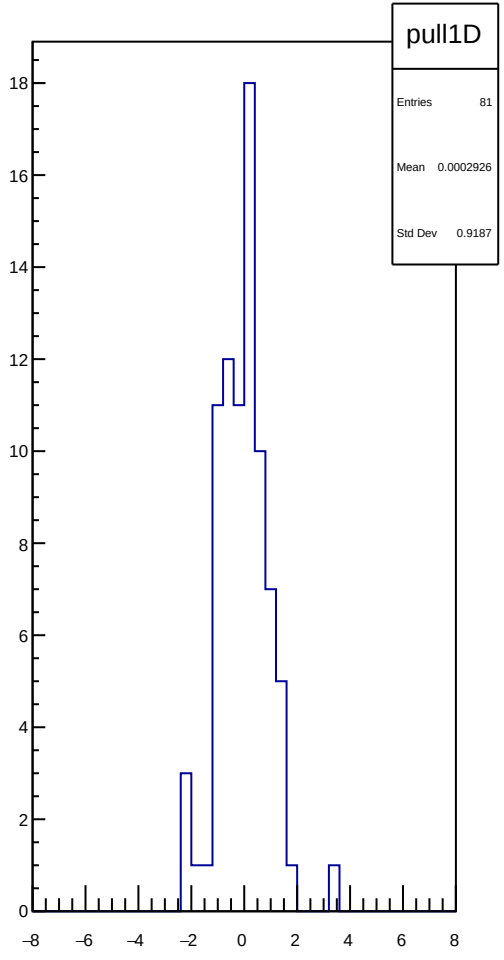

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 85.58 / 80
p0 501.3 ± 1761
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −590.8
Std Dev 645.8
2
1
0
−1
−2

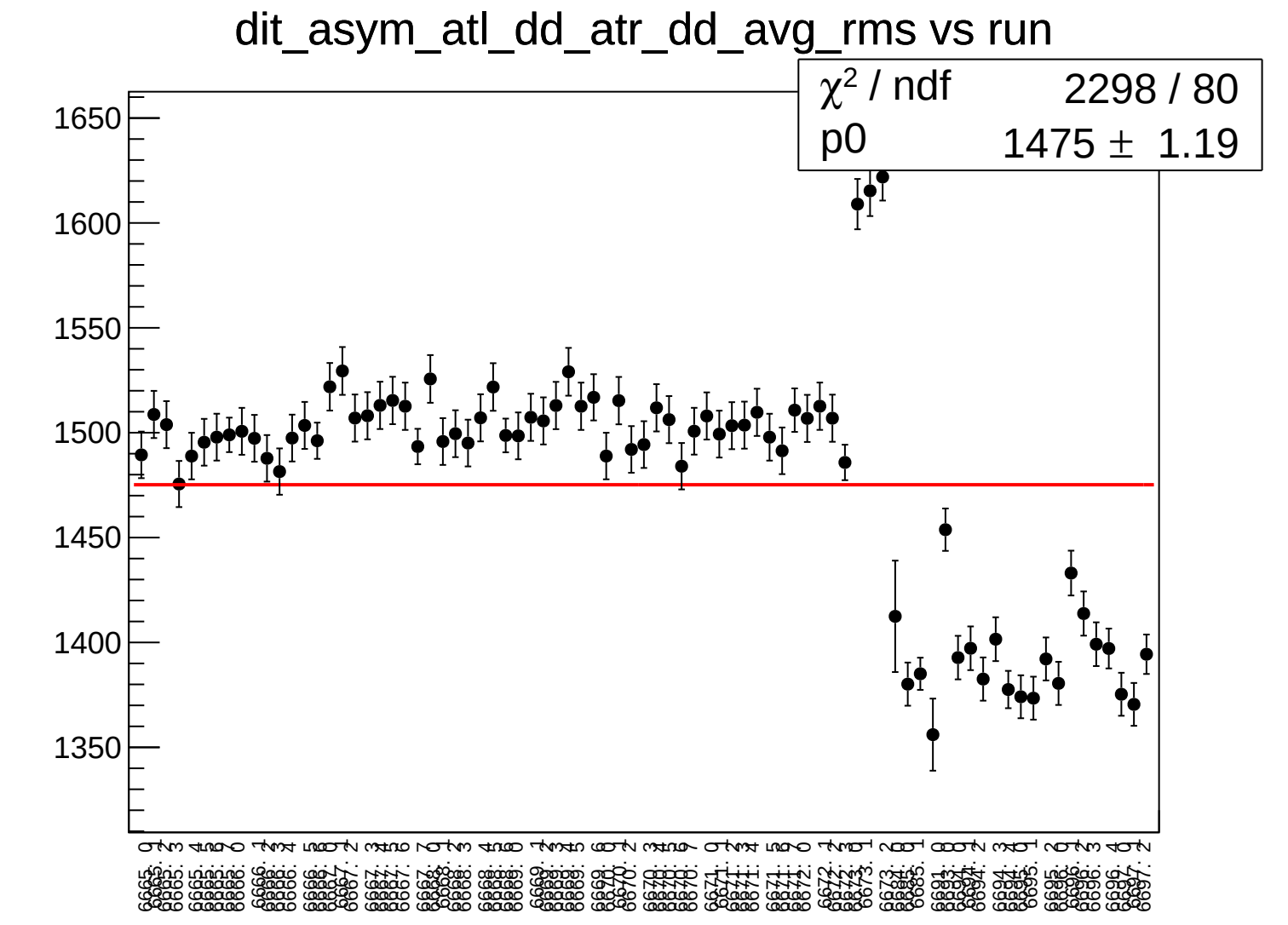

pull1D
Entries 81
Mean −0.003893
Std Dev 1.028
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

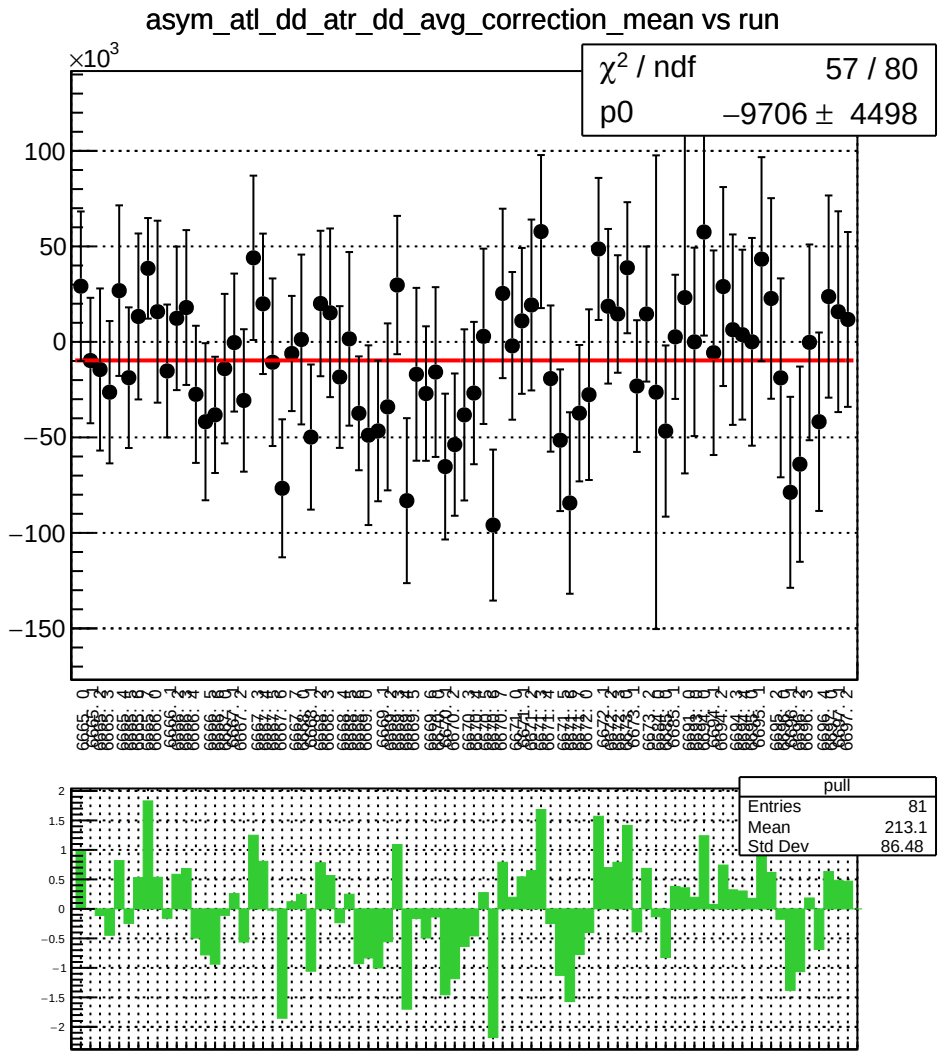

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2382 / 80
p0 1544 ± 1.245
1650
1600
1550
1500
1450
1400
1350

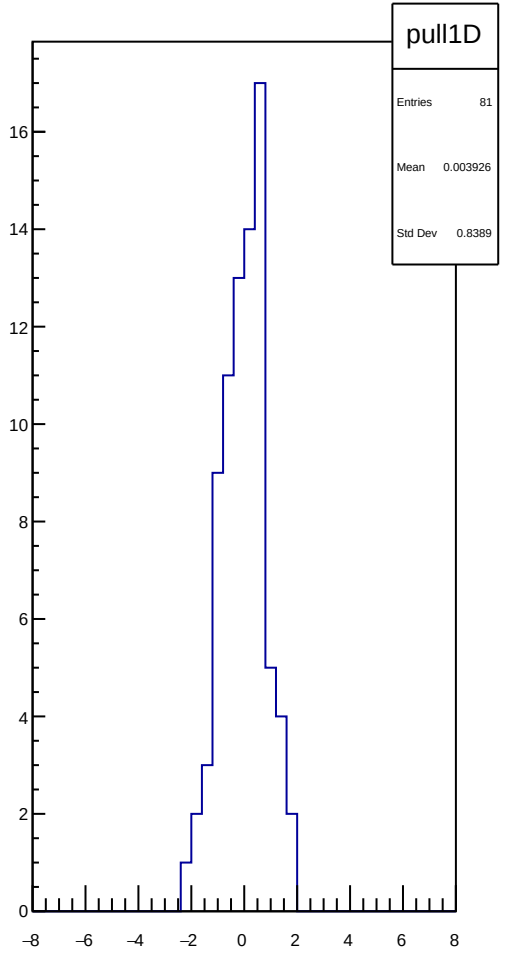

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 68.37 / 80
p0 1670 ± 1682

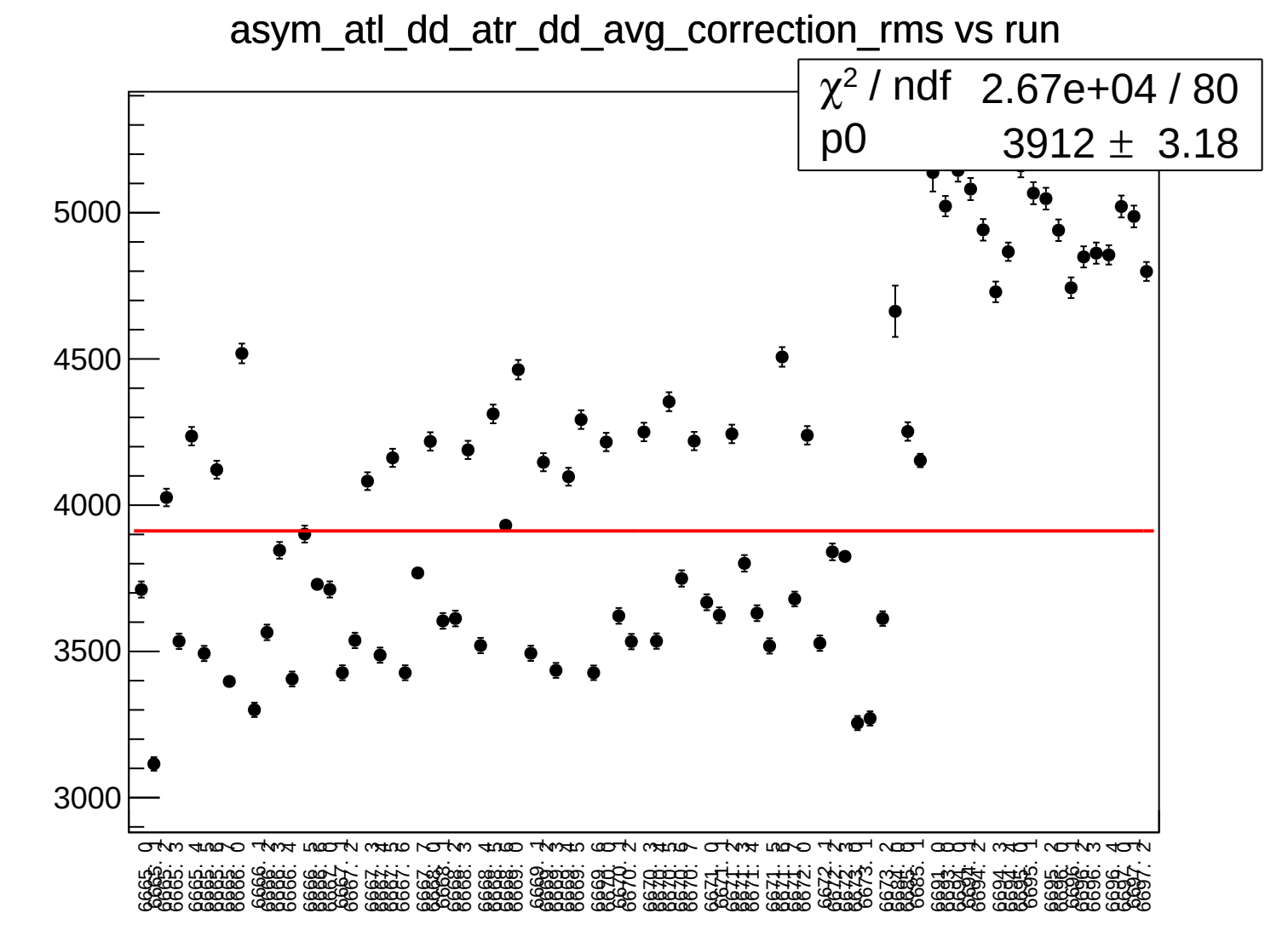

pull
Entries 81
Mean 2.252e+04
Std Dev 2.248e+04

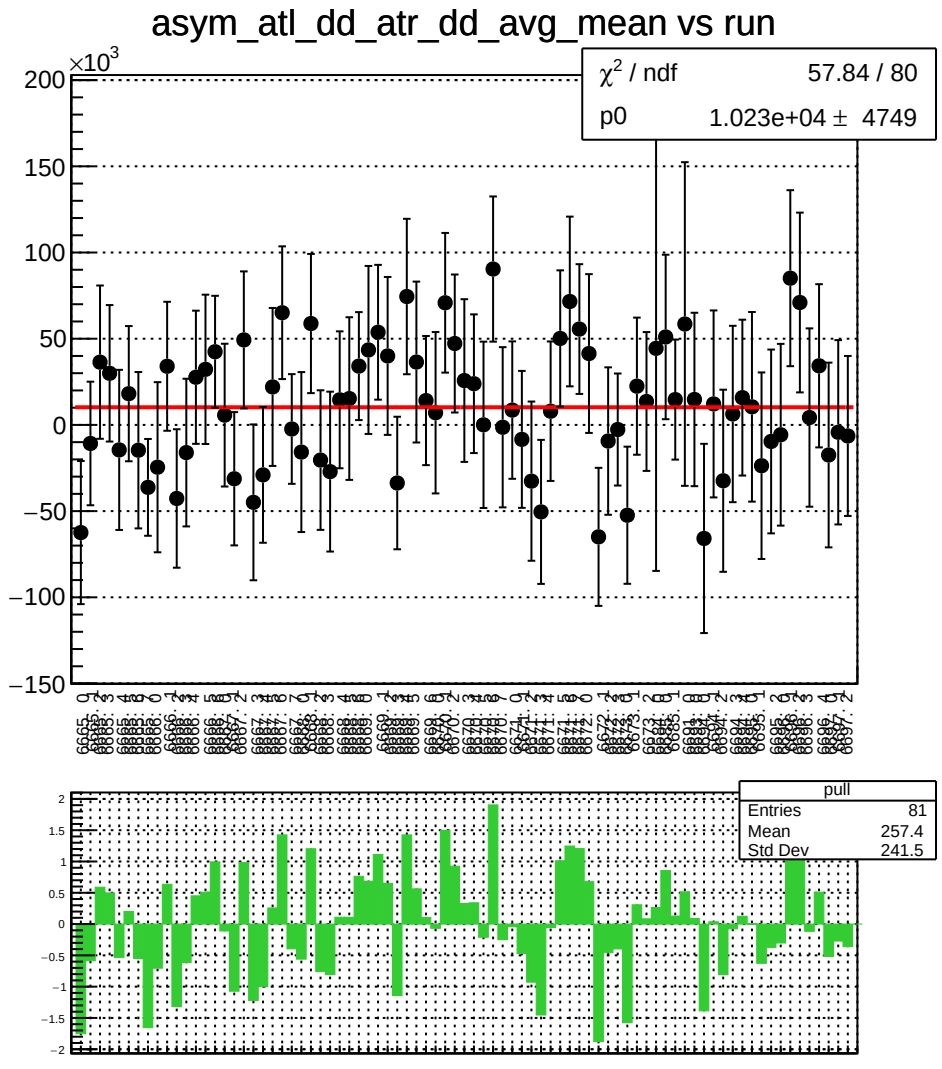

pull1D
Entries 81
Mean 0.0002926
Std Dev 0.9187

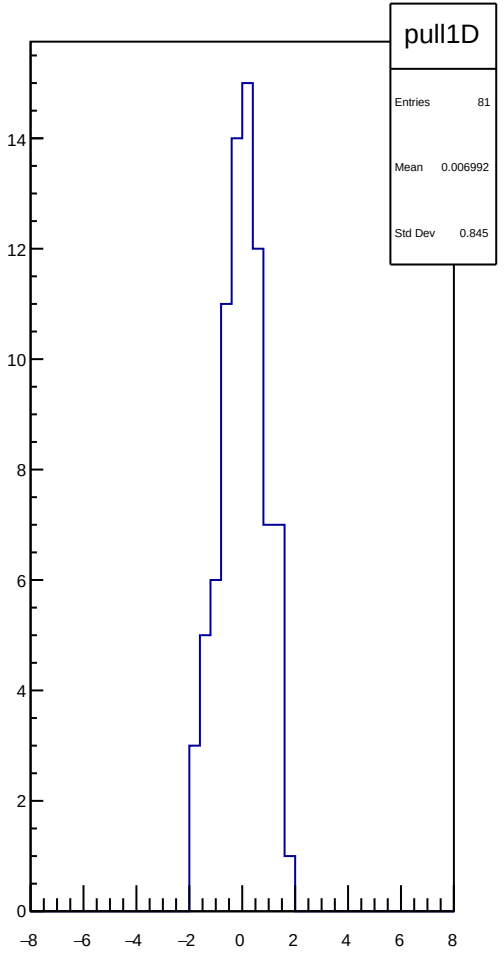

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2298 / 80
p0 1475 ± 1.19
1650
1600
1550
1500
1450
1400
1350

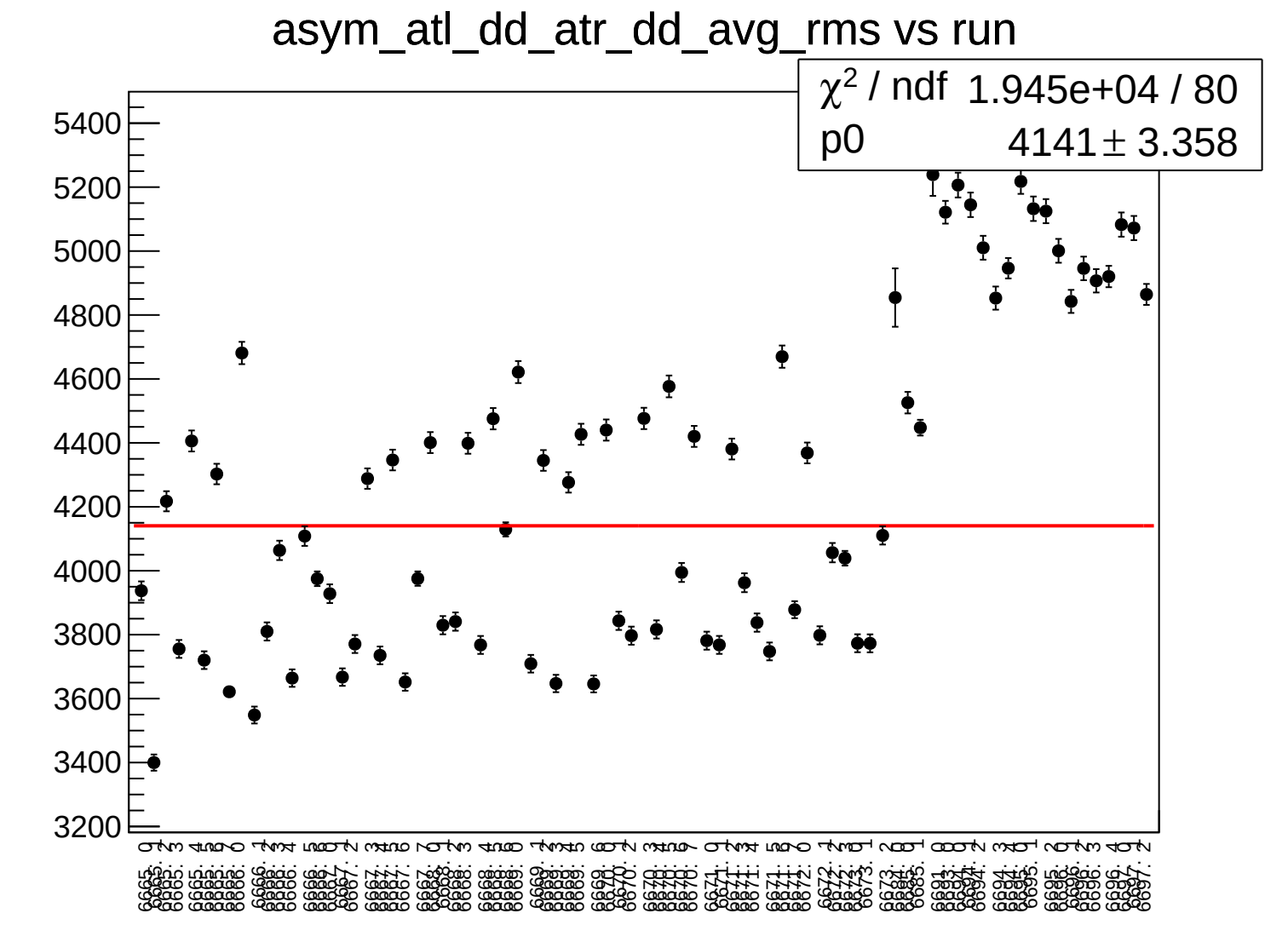

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 57 / 80
p0 −9706 ± 4498
100
50
0
−50
−100
−150
pull
Entries 81
Mean 213.1
Std Dev 86.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

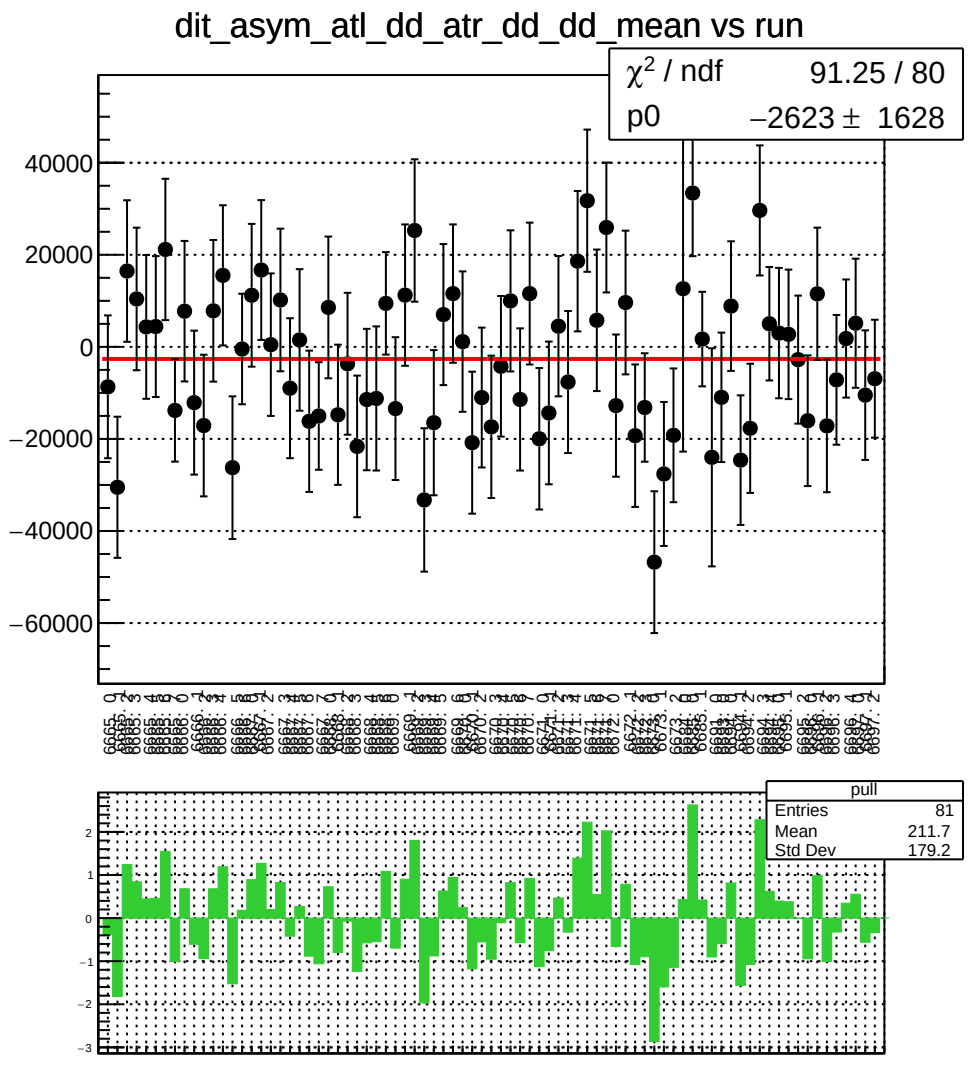

pull1D
Entries 81
Mean 0.003926
Std Dev 0.8389
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

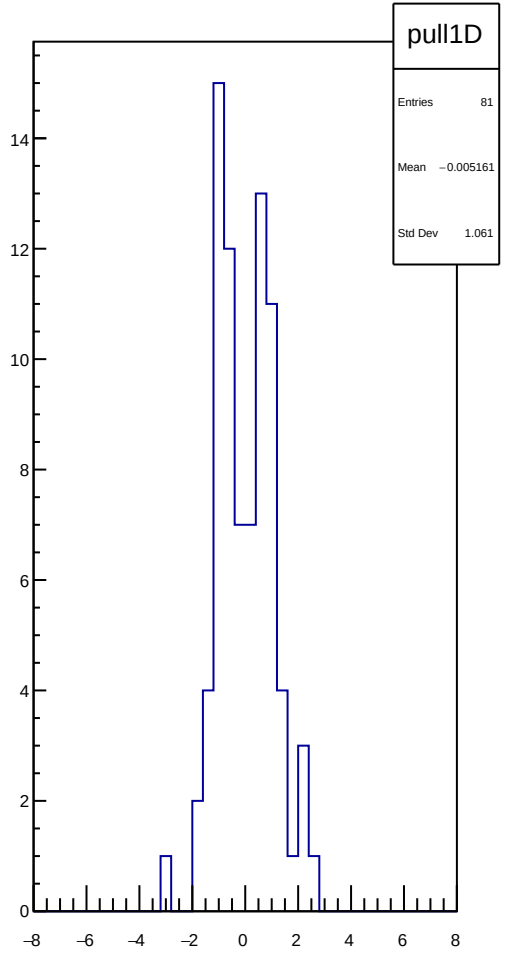

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2.67e+04 / 80
p0 3912 ± 3.18
5000
4500
4000
3500
3000

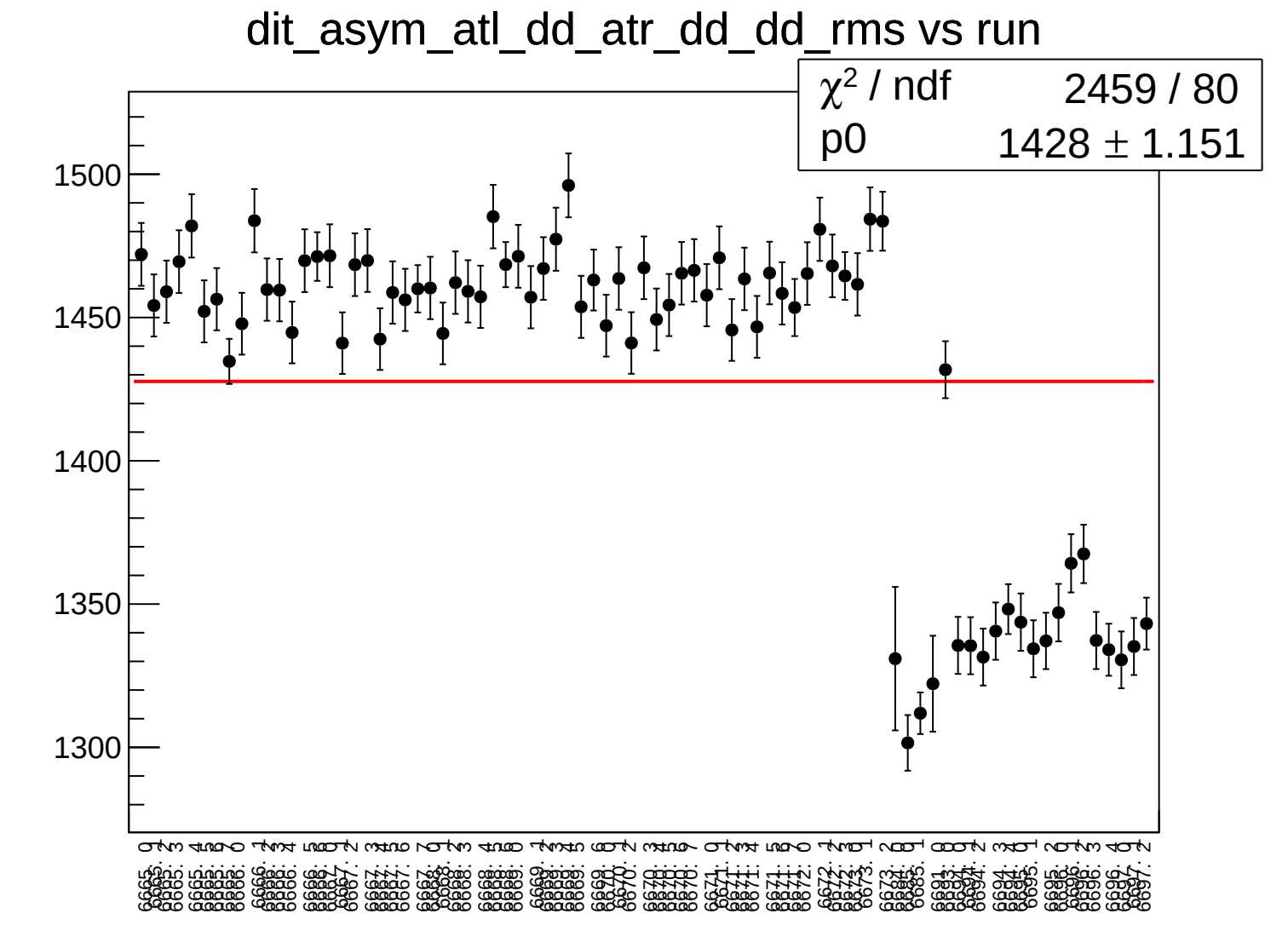

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 57.84 / 80
p0 1.023e+04 ± 4749
pull
Entries 81
Mean 257.4
Std Dev 241.5

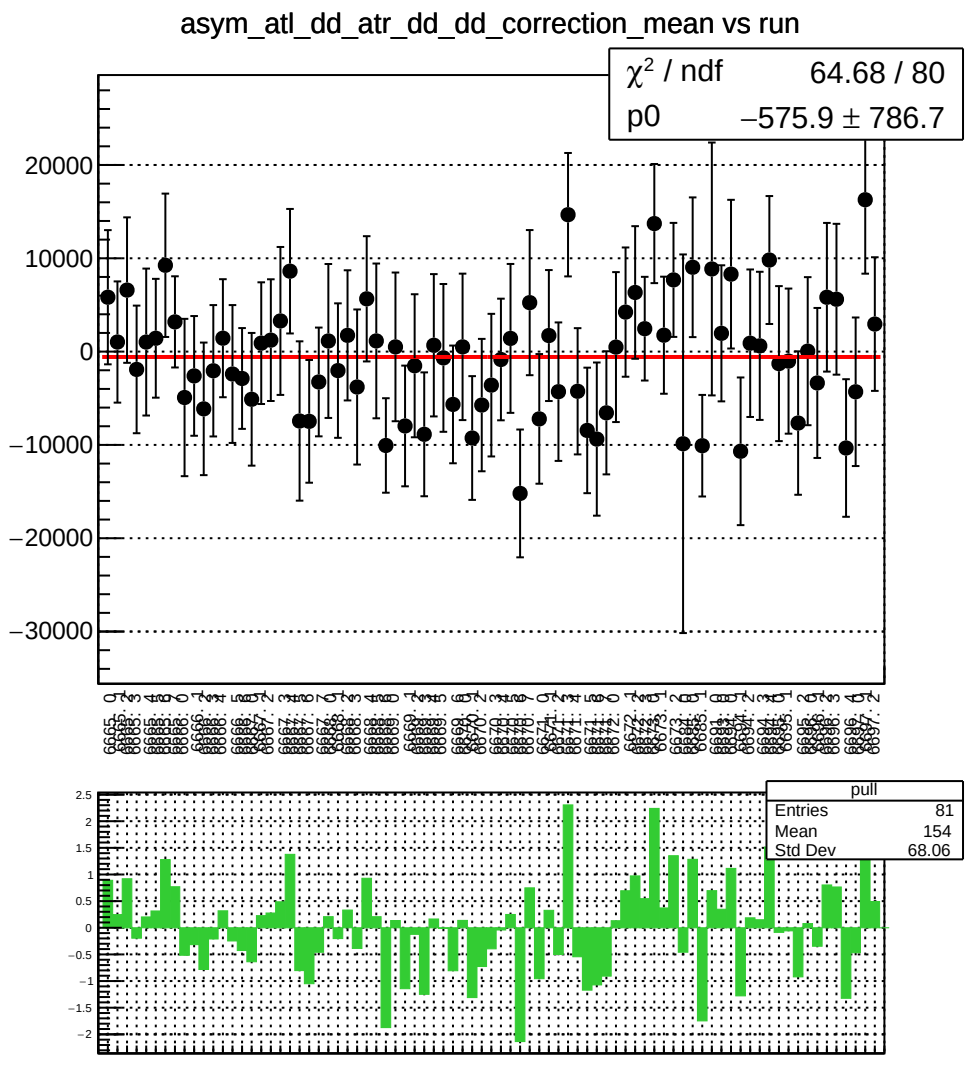

pull1D
Entries 81
Mean 0.006992
Std Dev 0.845

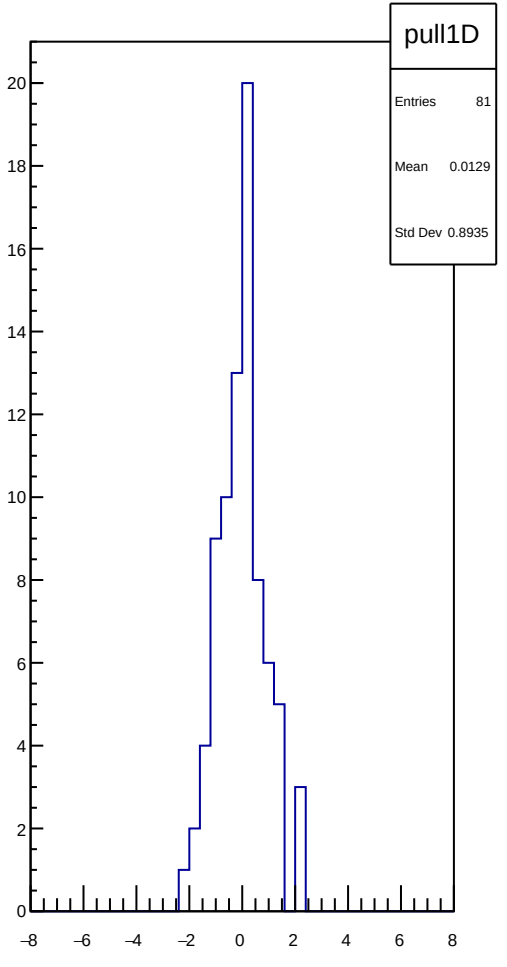

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.945e+04 / 80
p0 4141 ± 3.358
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

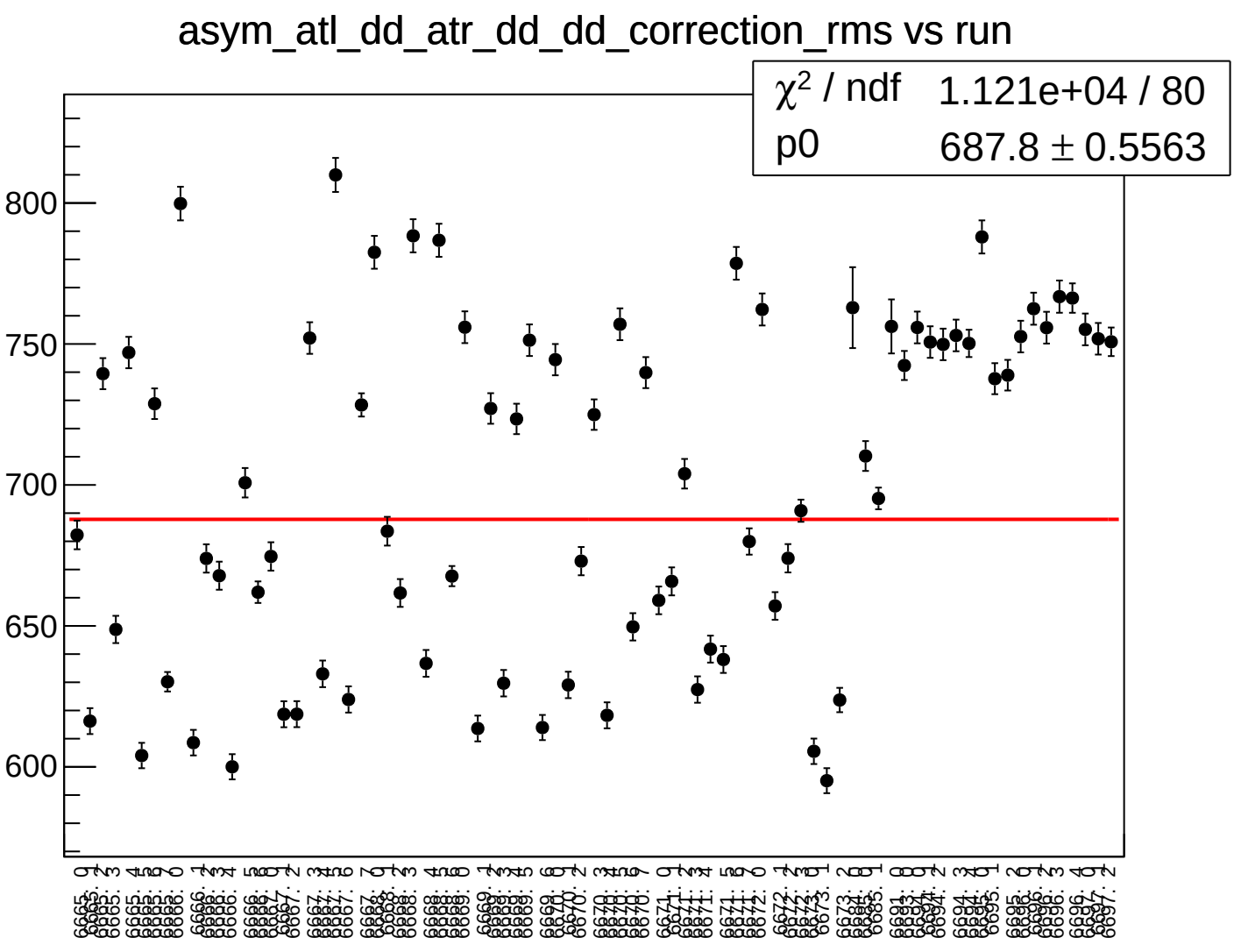

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.25 / 80
p0 −2623 ± 1628
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 211.7
Std Dev 179.2
2
1
0
−1
−2
−3

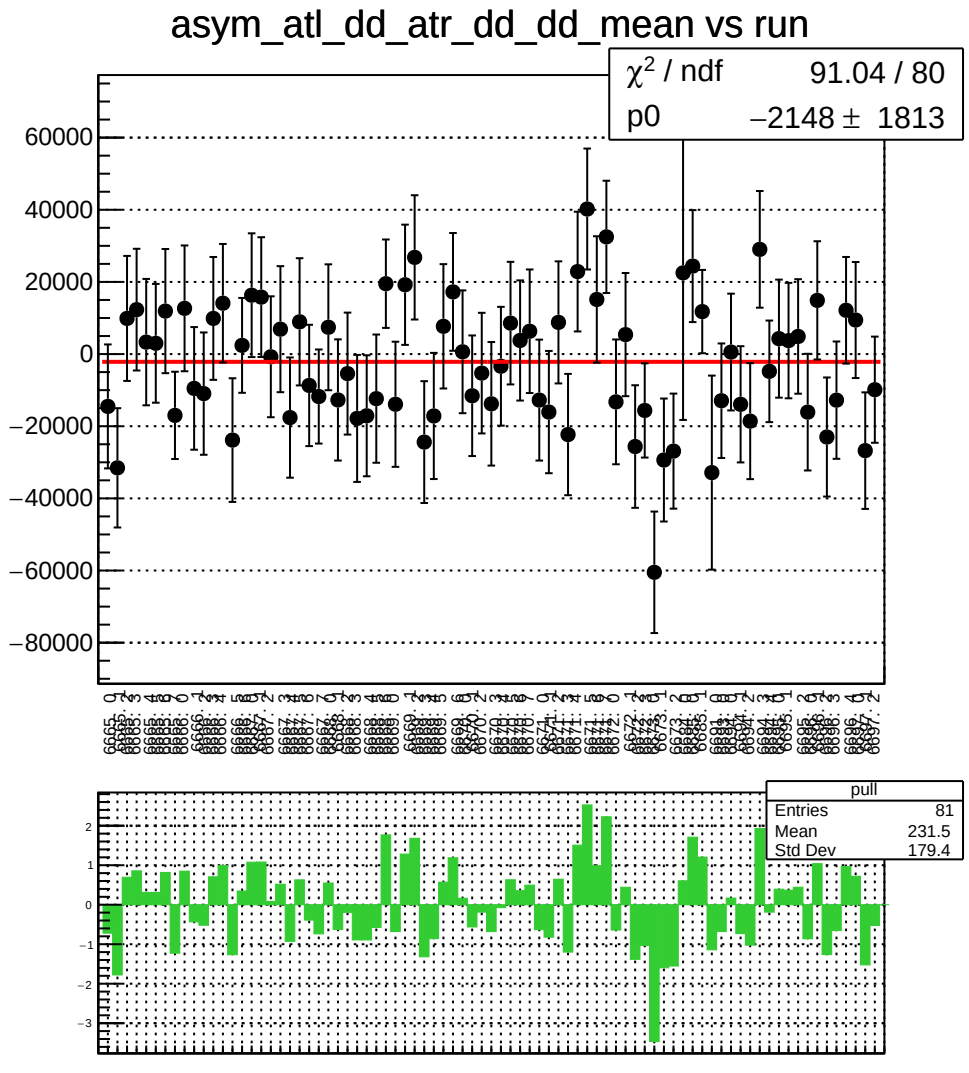

pull1D
Entries 81
Mean −0.005161
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

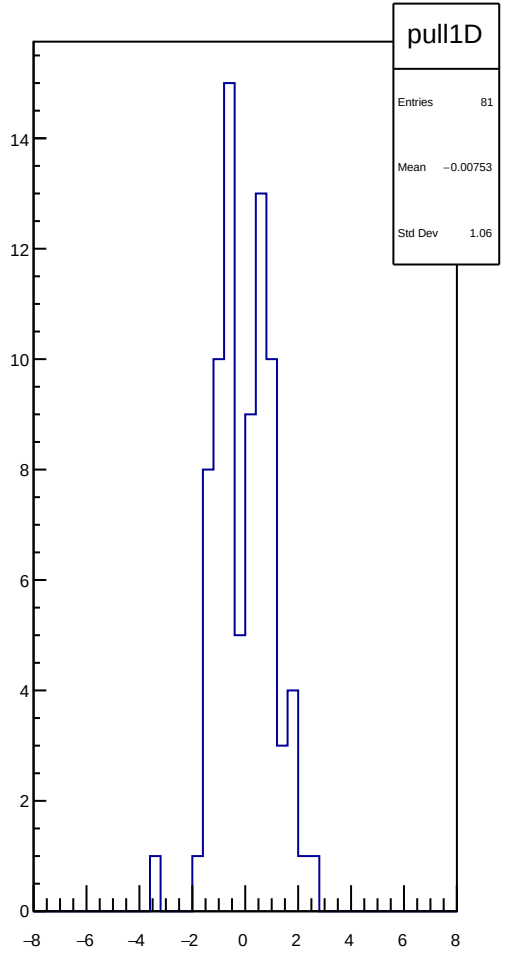

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2459 / 80
p0 1428 ± 1.151
1500
1450
1400
1350
1300

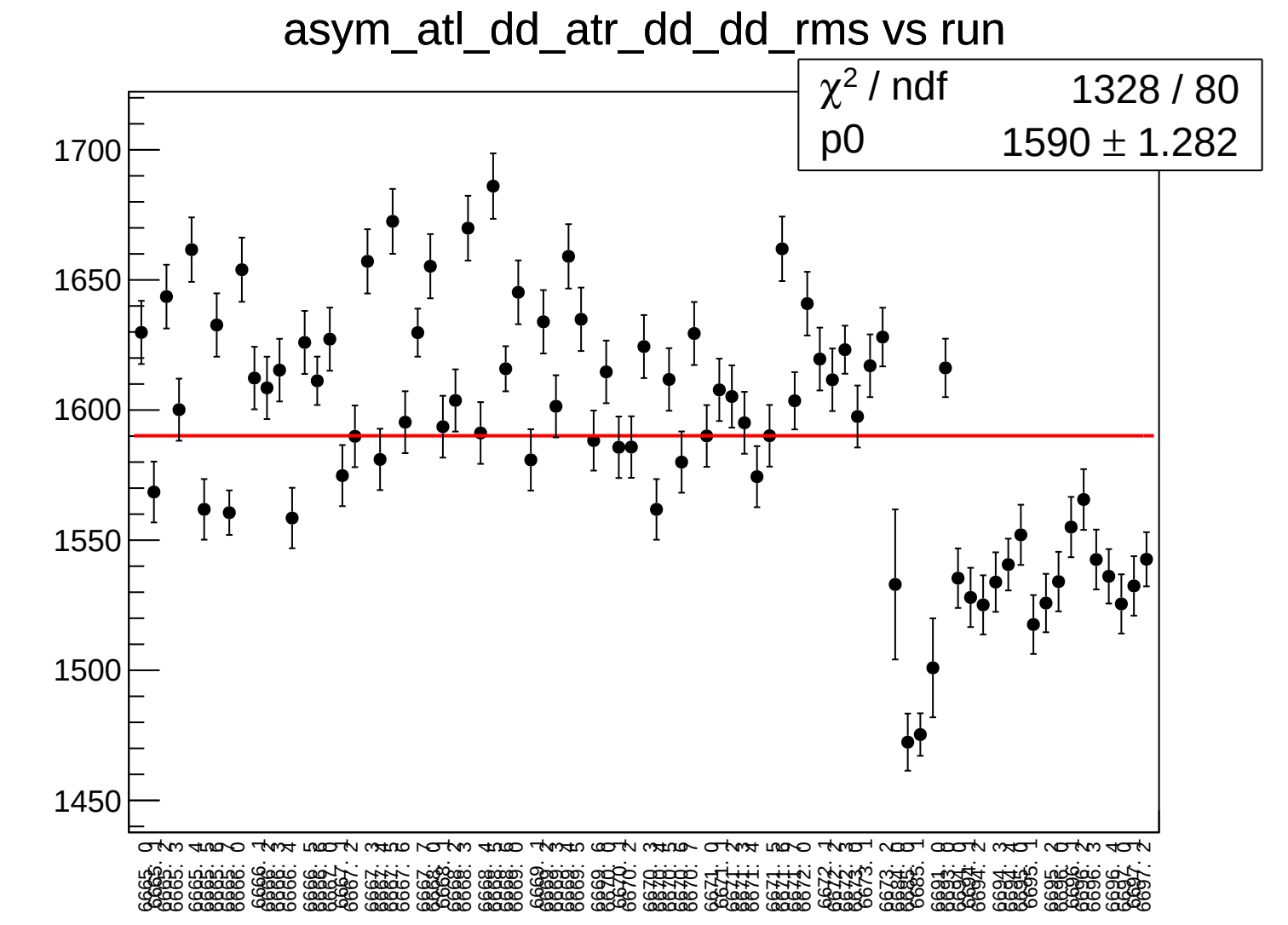

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 64.68 / 80
p0 −575.9 ± 786.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 154
Std Dev 68.06
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

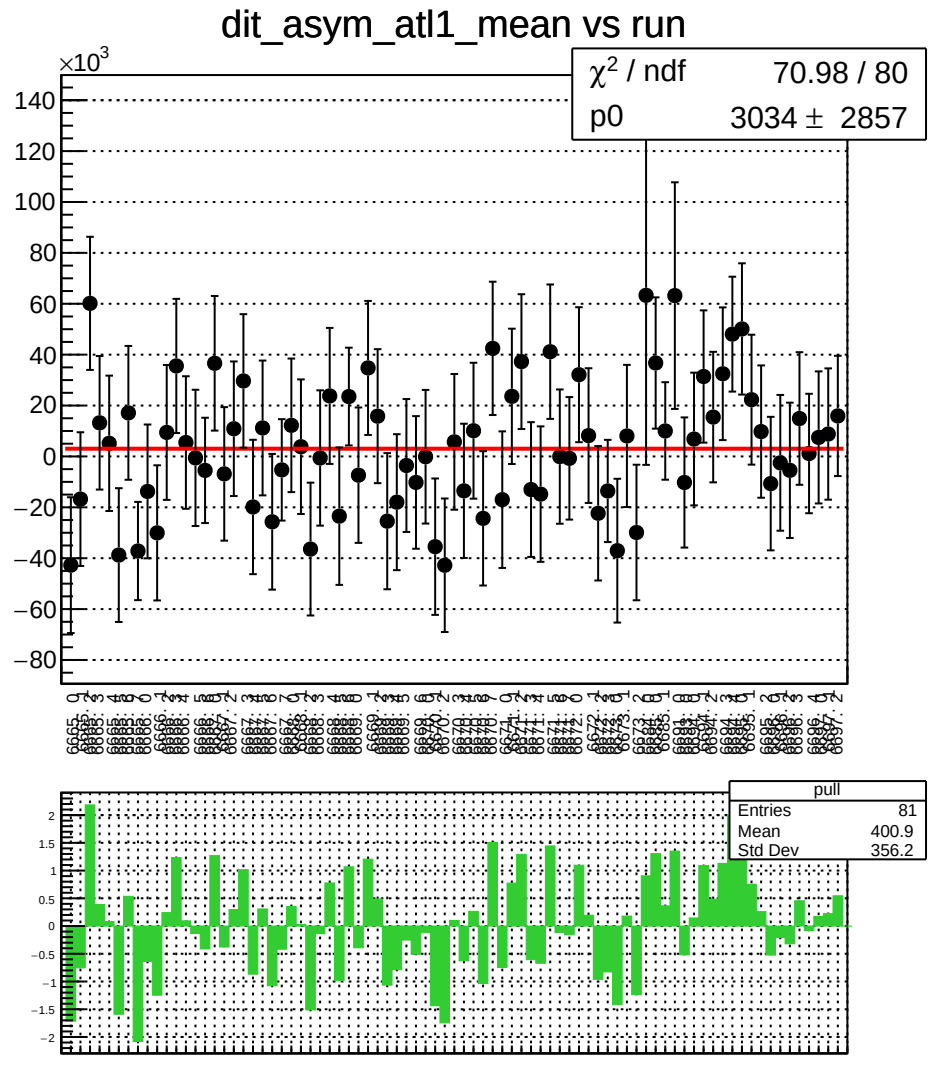

pull1D
Entries 81
Mean 0.0129
Std Dev 0.8935
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

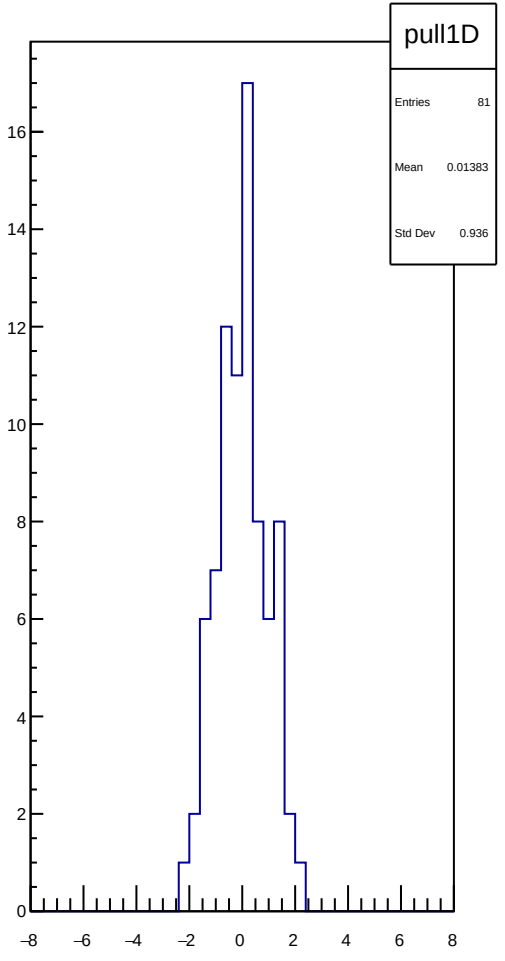

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.121e+04 / 80
p0 687.8 ± 0.5563
800
750
700
650
600

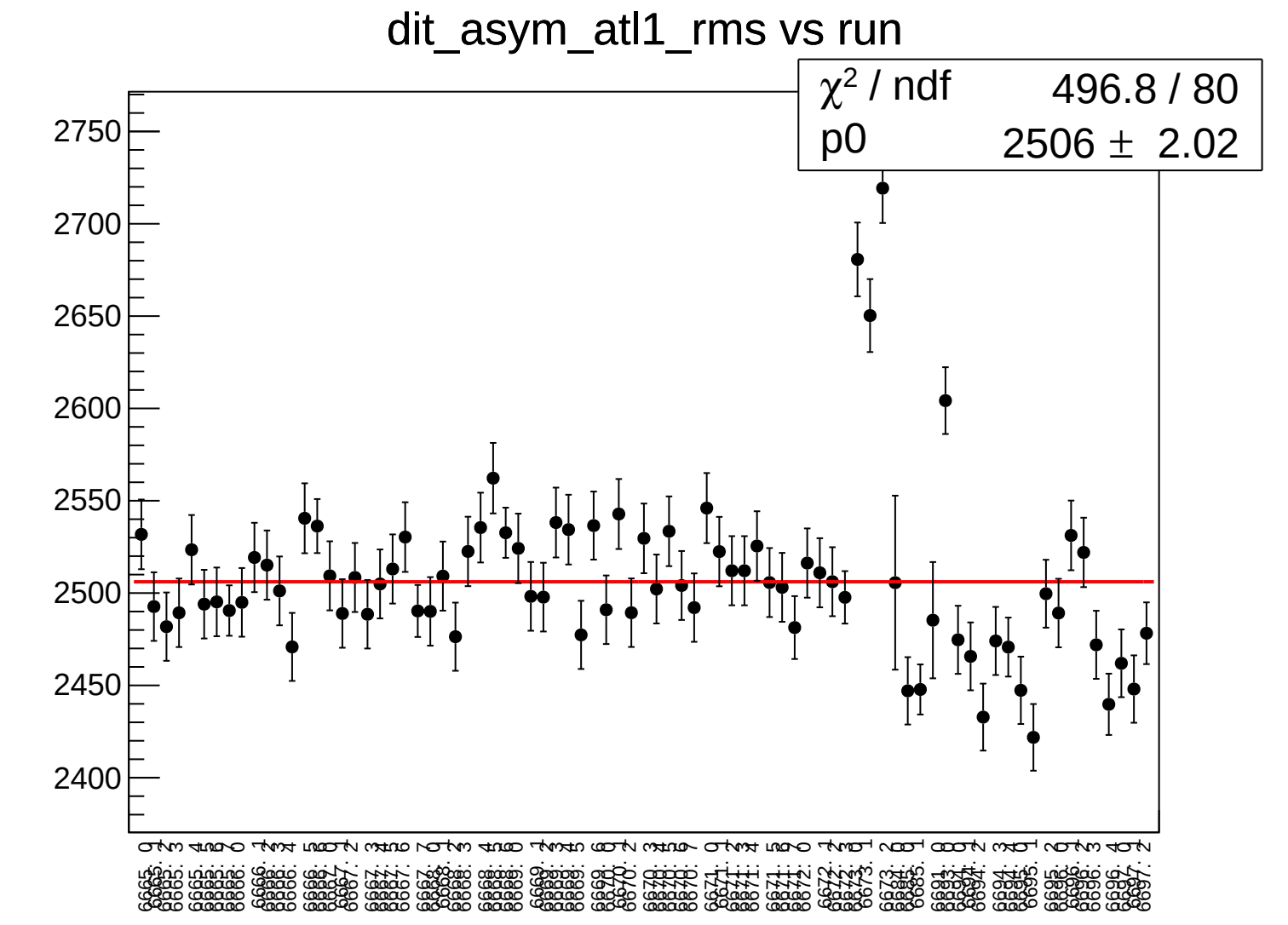

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.04 / 80
p0 −2148 ± 1813
pull
Entries 81
Mean 231.5
Std Dev 179.4

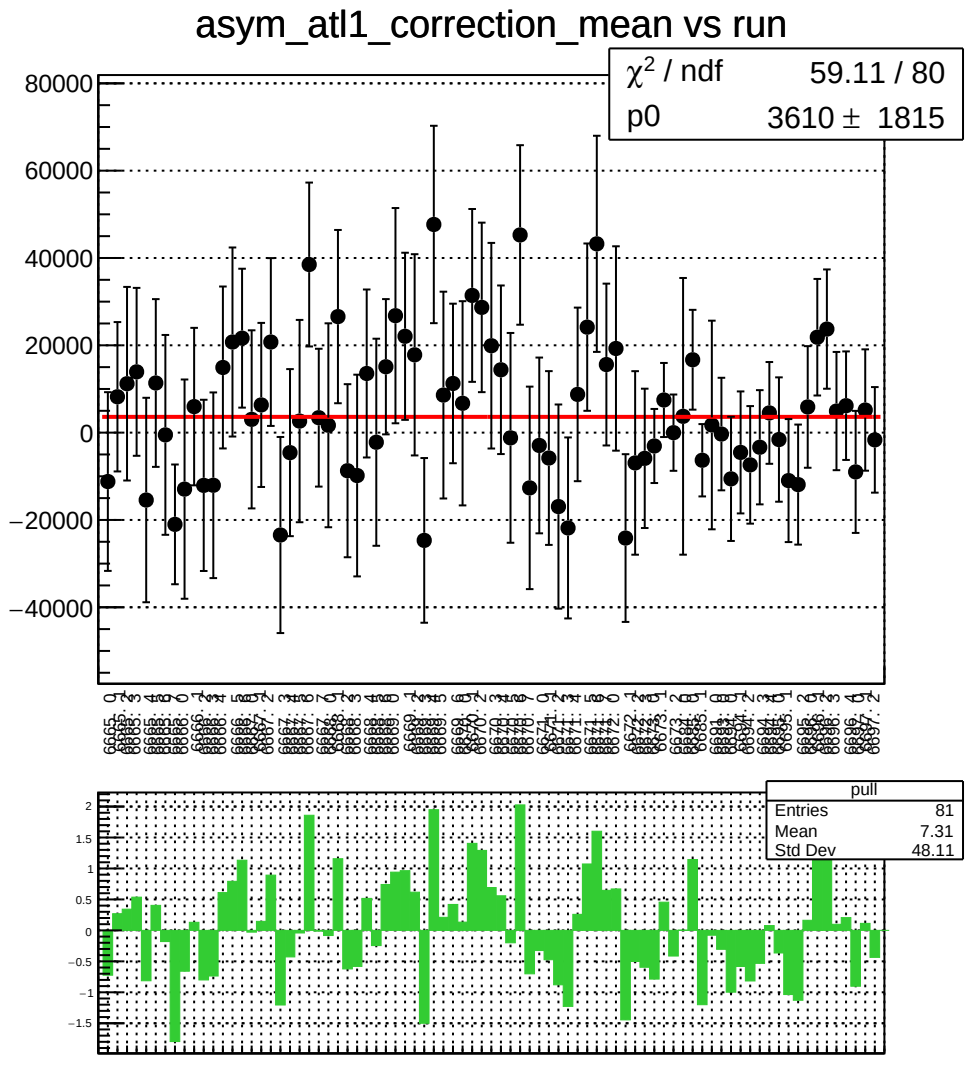

pull1D
Entries 81
Mean −0.00753
Std Dev 1.06

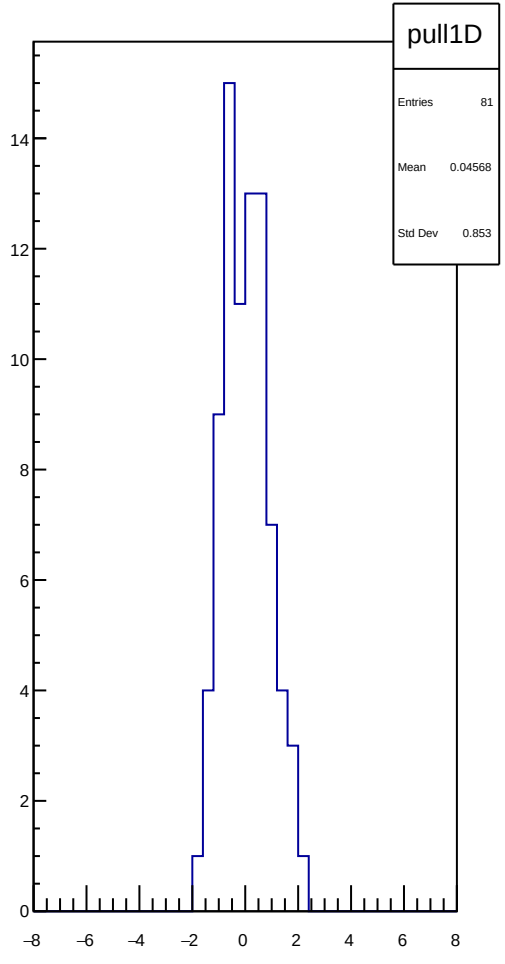

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1328 / 80
p0 1590 ± 1.282
1700
1650
1600
1550
1500
1450

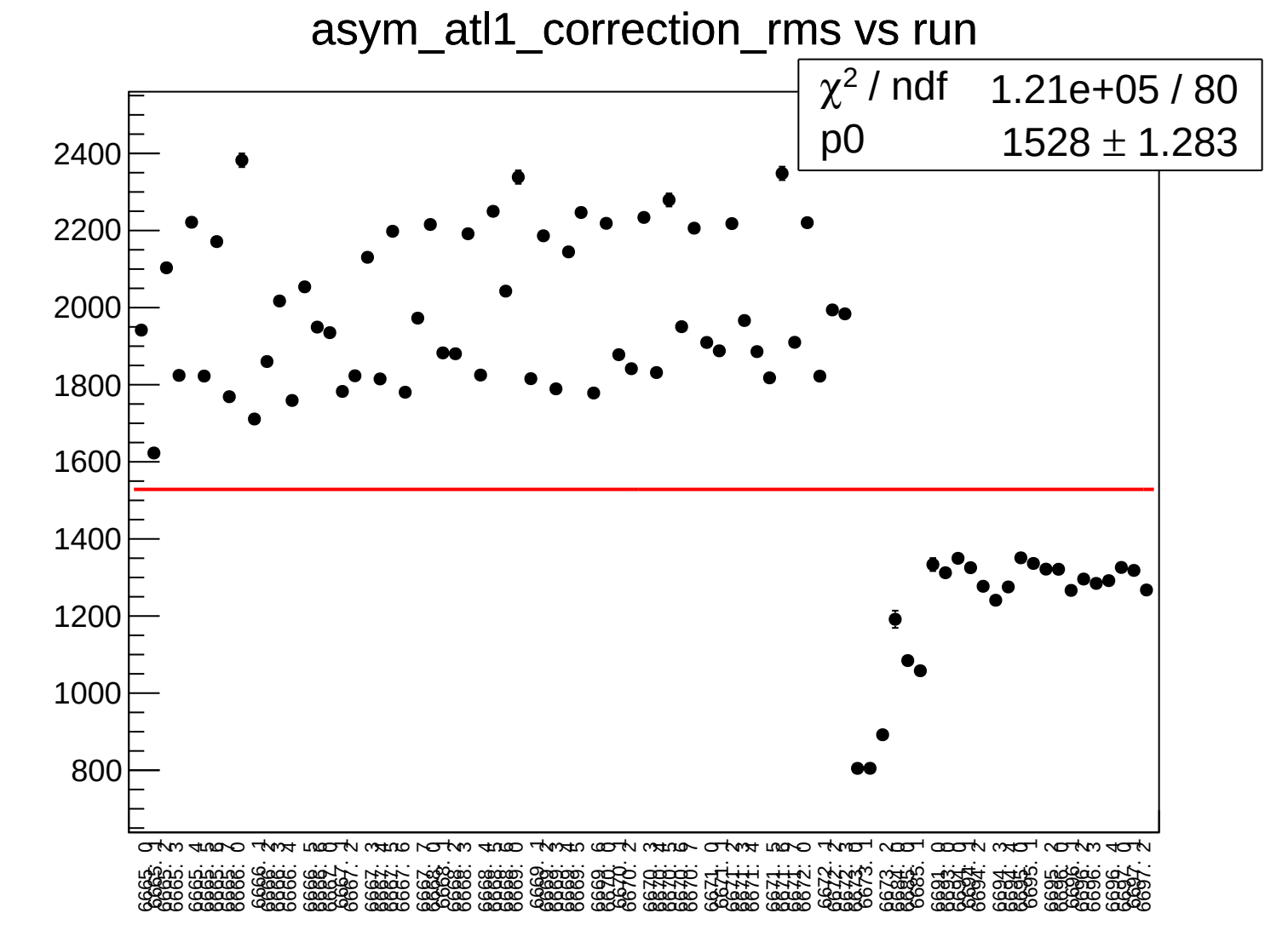

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 70.98 / 80
p0 3034 ± 2857
pull
Entries 81
Mean 400.9
Std Dev 356.2

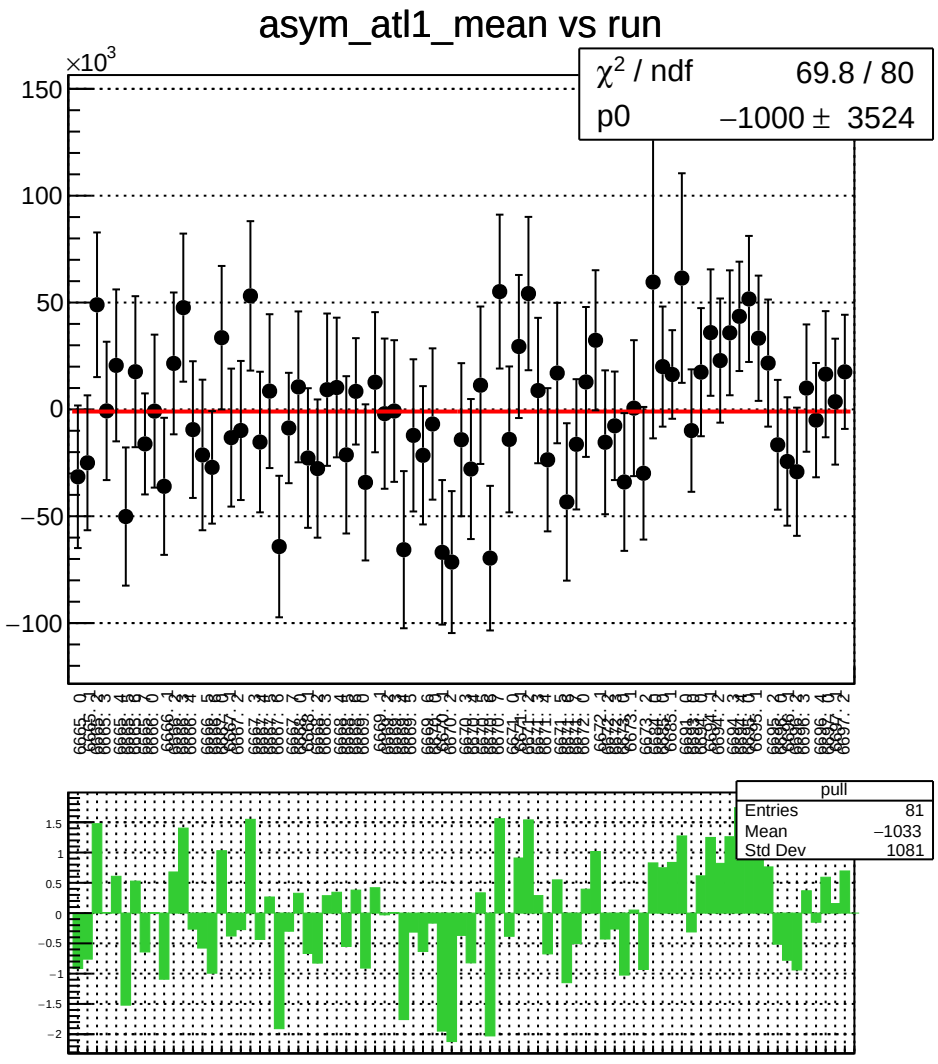

pull1D
Entries 81
Mean 0.01383
Std Dev 0.936

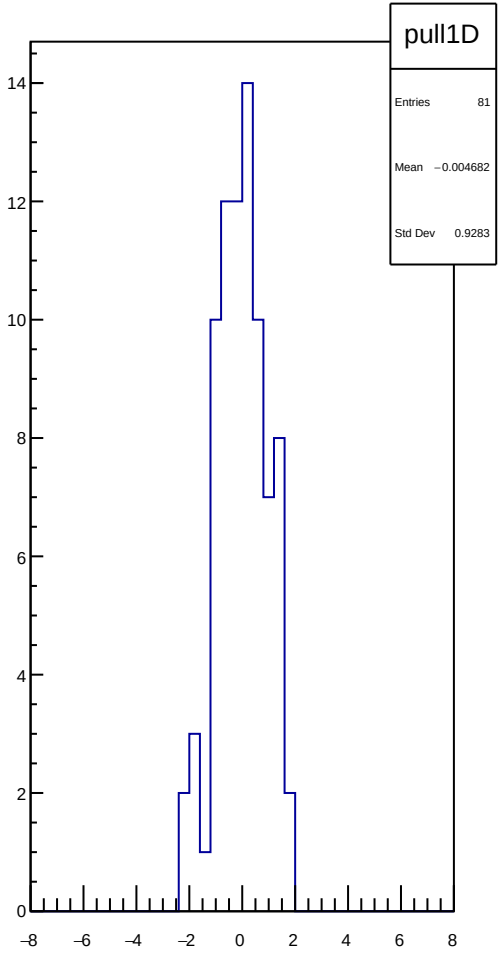

dit_asym_atl1_rms vs run
χ² / ndf 496.8 / 80
p0 2506 ± 2.02
2750
2700
2650
2600
2550
2500
2450
2400

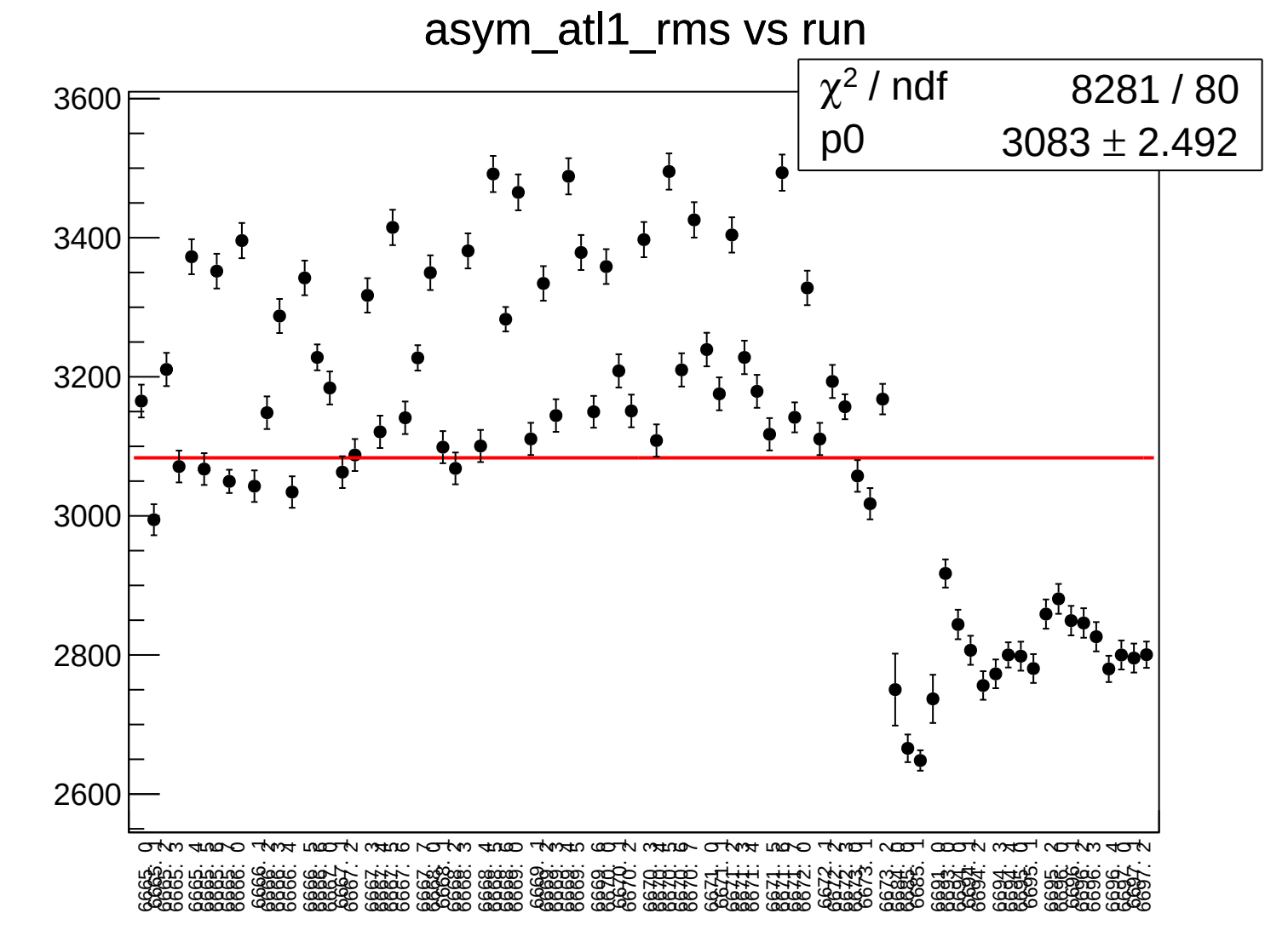

asym_atl1_correction_mean vs run
χ² / ndf 59.11 / 80
p0 3610 ± 1815
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 7.31
Std Dev 48.11
2
1.5
1
0.5
0
−0.5
−1
−1.5

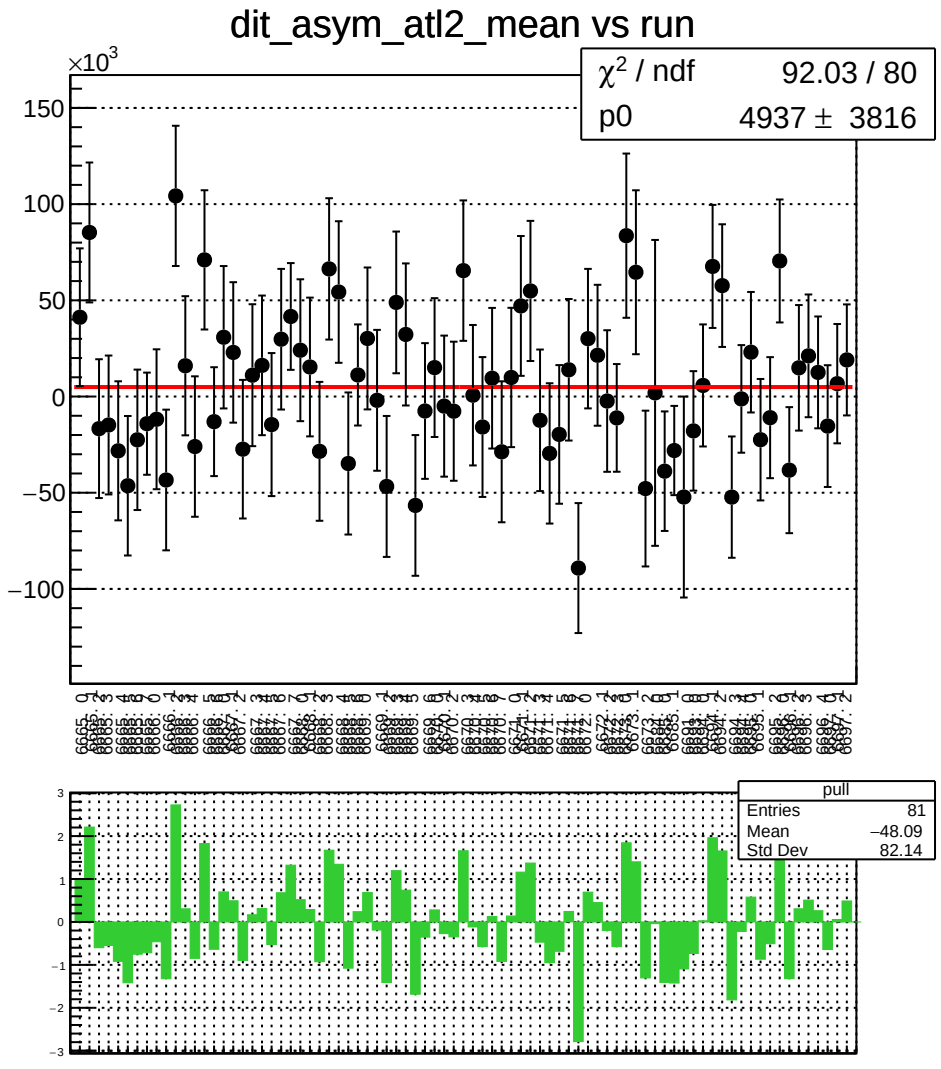

pull1D
Entries 81
Mean 0.04568
Std Dev 0.853
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

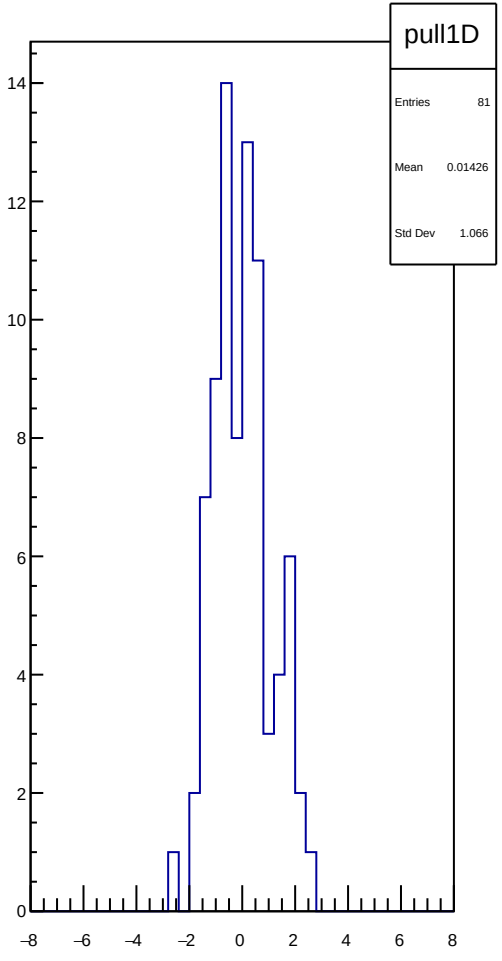

asym_atl1_correction_rms vs run
$\chi^2$ / ndf 1.21e+05 / 80
p0 1528 ± 1.283
2400
2200
2000
1800
1600
1400
1200
1000
800

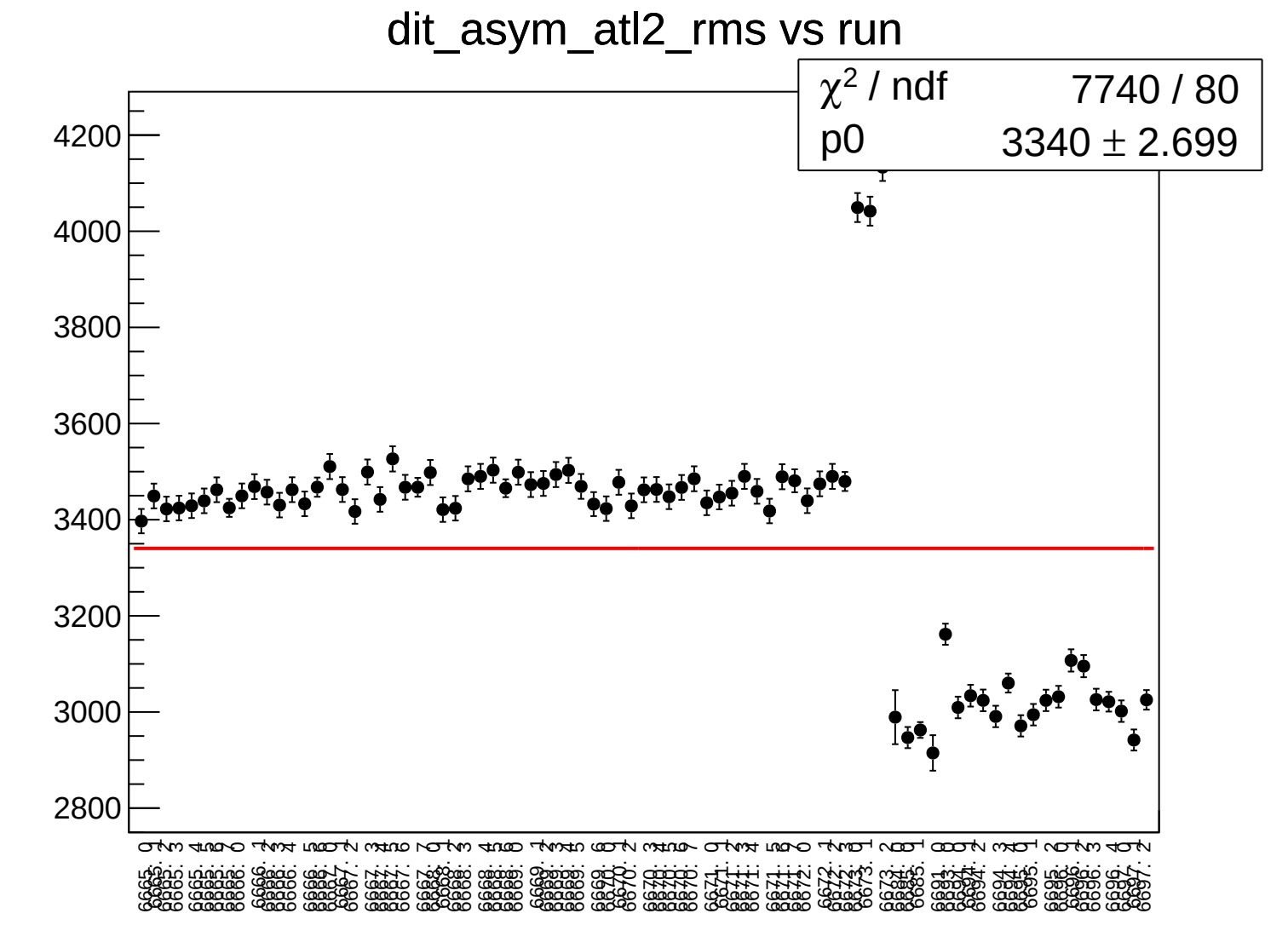

asym_atl1_mean vs run
×10^3
χ^2 / ndf 69.8 / 80
p0 −1000 ± 3524
150
100
50
0
−50
−100
pull
Entries 81
Mean −1033
Std Dev 1081
1.5
1
0.5
0
−0.5
−1
−1.5
−2

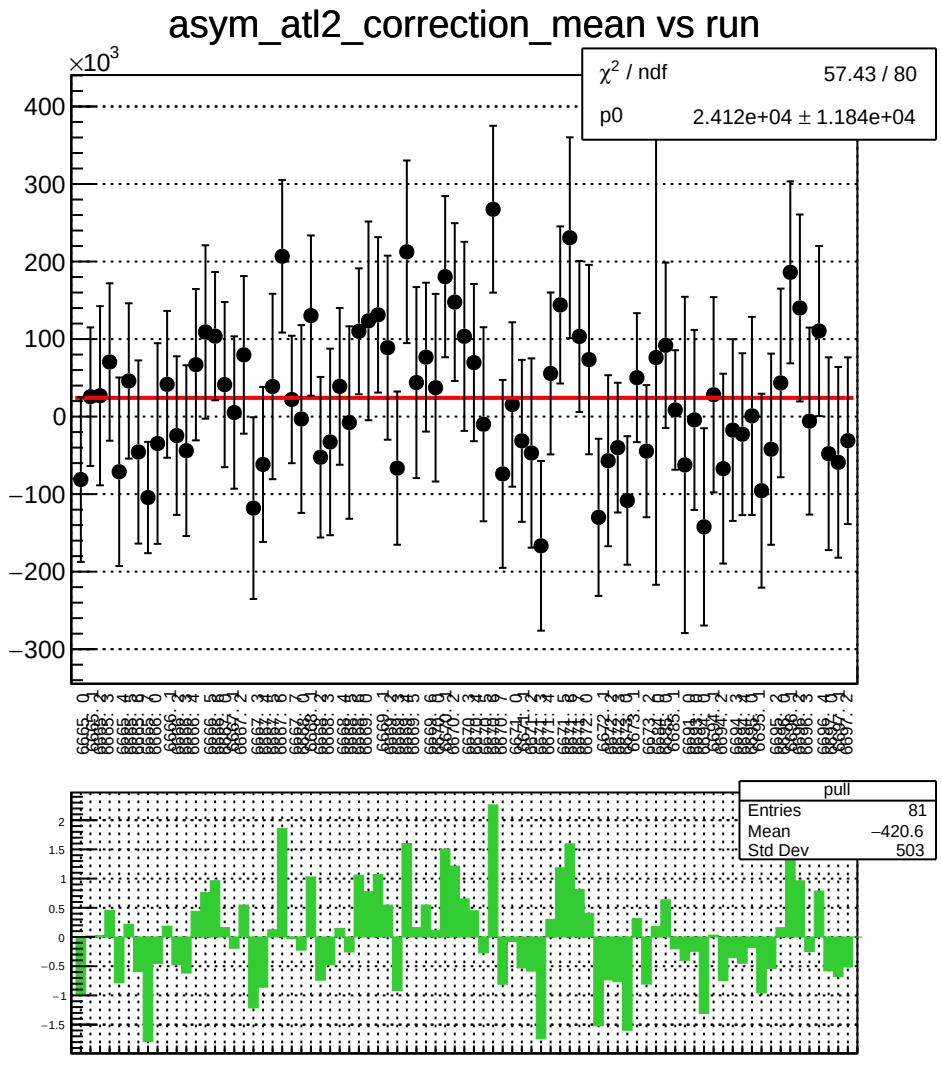

pull1D
Entries 81
Mean −0.004682
Std Dev 0.9283
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

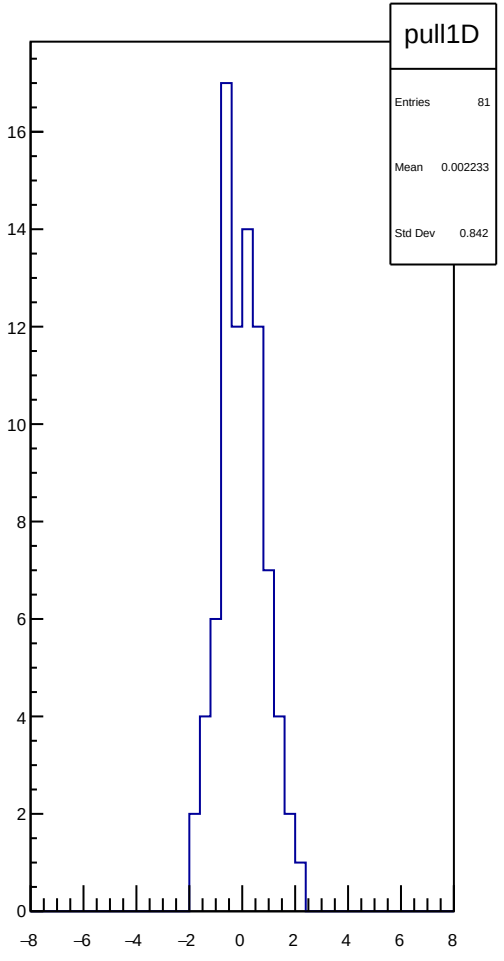

asym_atl1_rms vs run
χ² / ndf 8281 / 80
p0 3083 ± 2.492
3600
3400
3200
3000
2800
2600

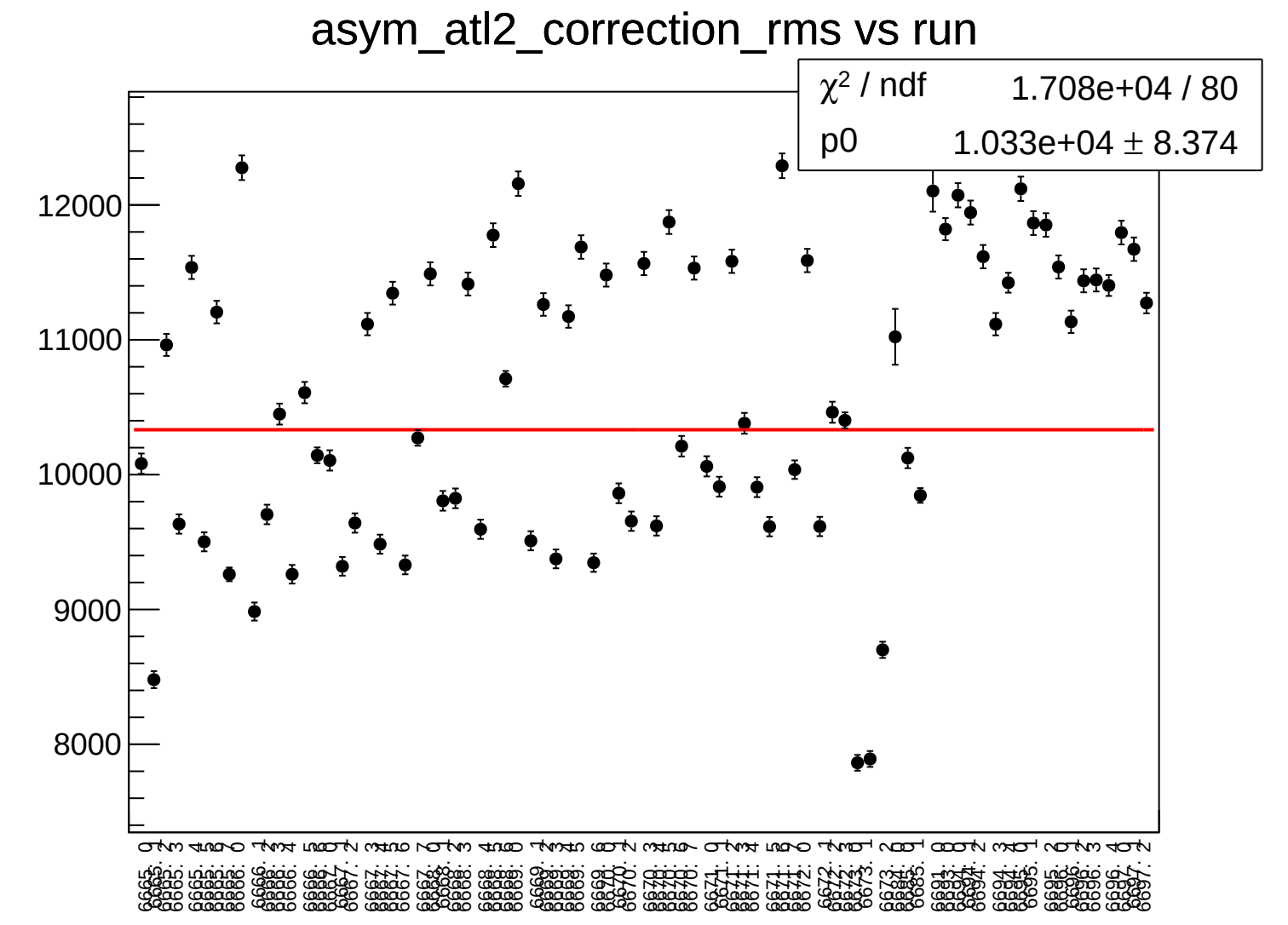

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 92.03 / 80
p0 4937 ± 3816
150
100
50
0
−50
−100
pull
Entries 81
Mean −48.09
Std Dev 82.14
3
2
1
0
−1
−2
−3

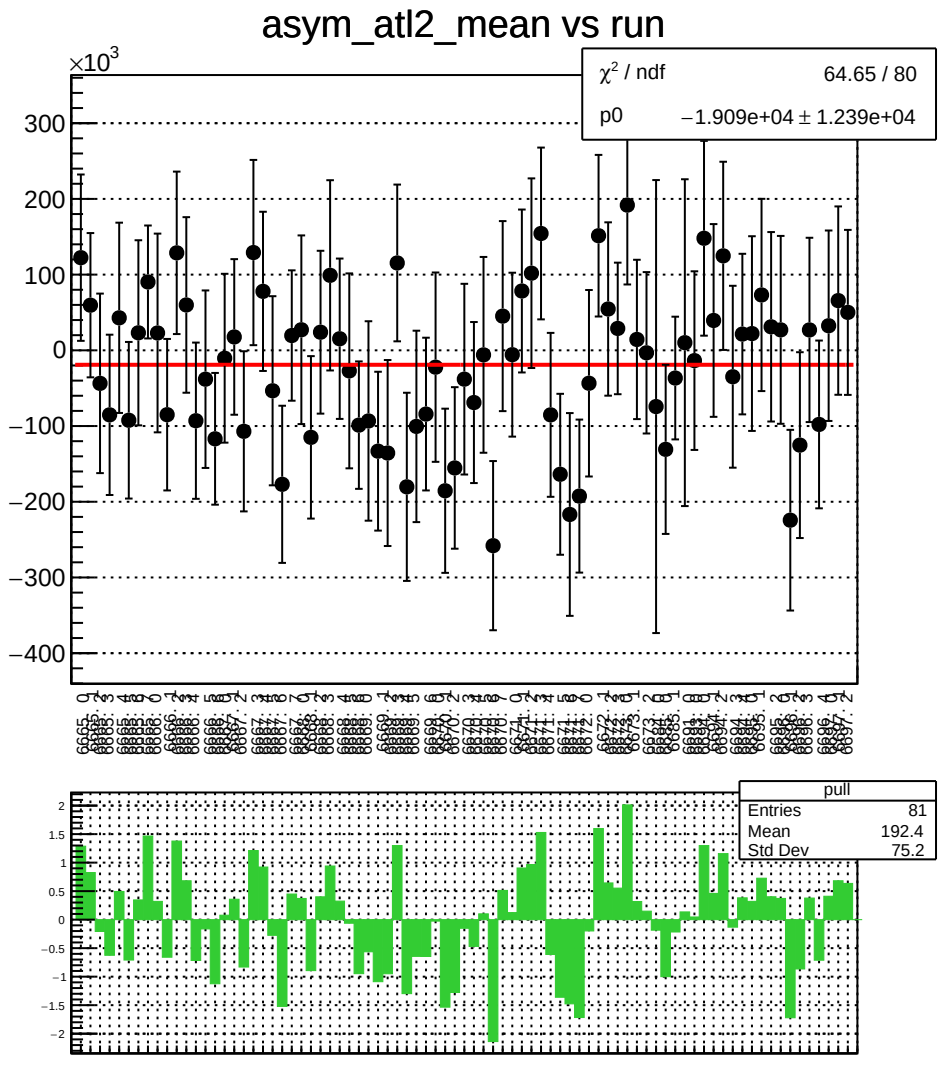

pull1D
Entries 81
Mean 0.01426
Std Dev 1.066
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

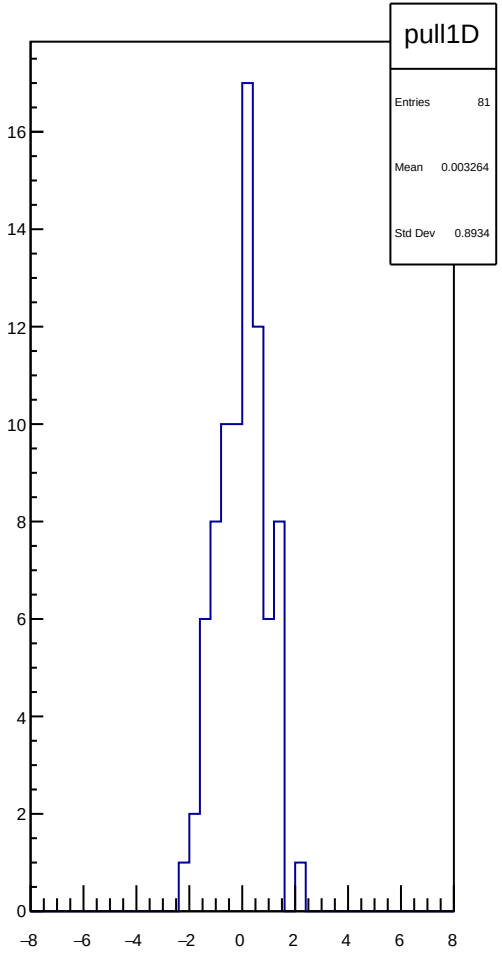

dit_asym_atl2_rms vs run
χ² / ndf 7740 / 80
p0 3340 ± 2.699
4200
4000
3800
3600
3400
3200
3000
2800

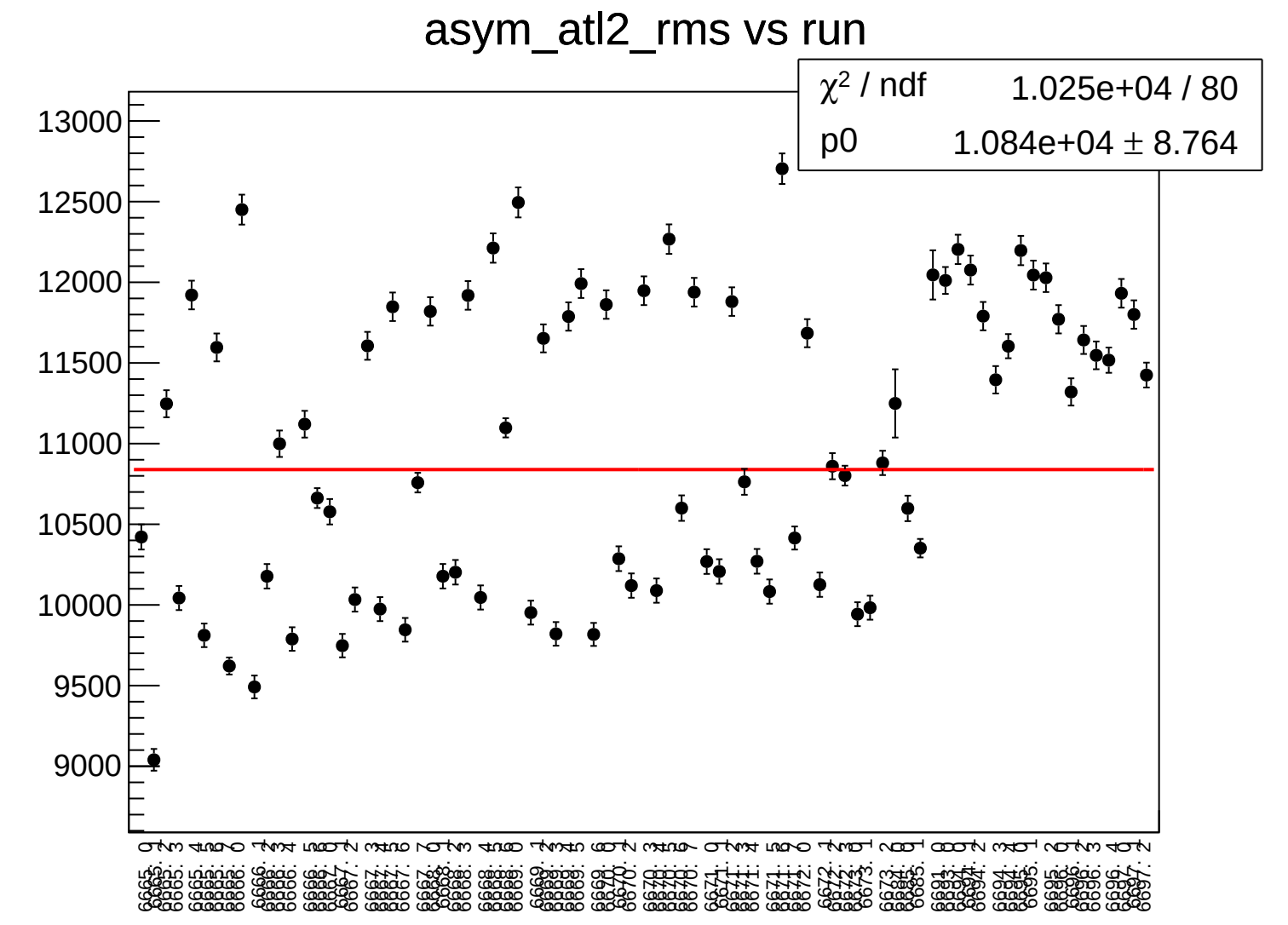

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 57.43 / 80
p0 2.412e+04 ± 1.184e+04
pull
Entries 81
Mean −420.6
Std Dev 503

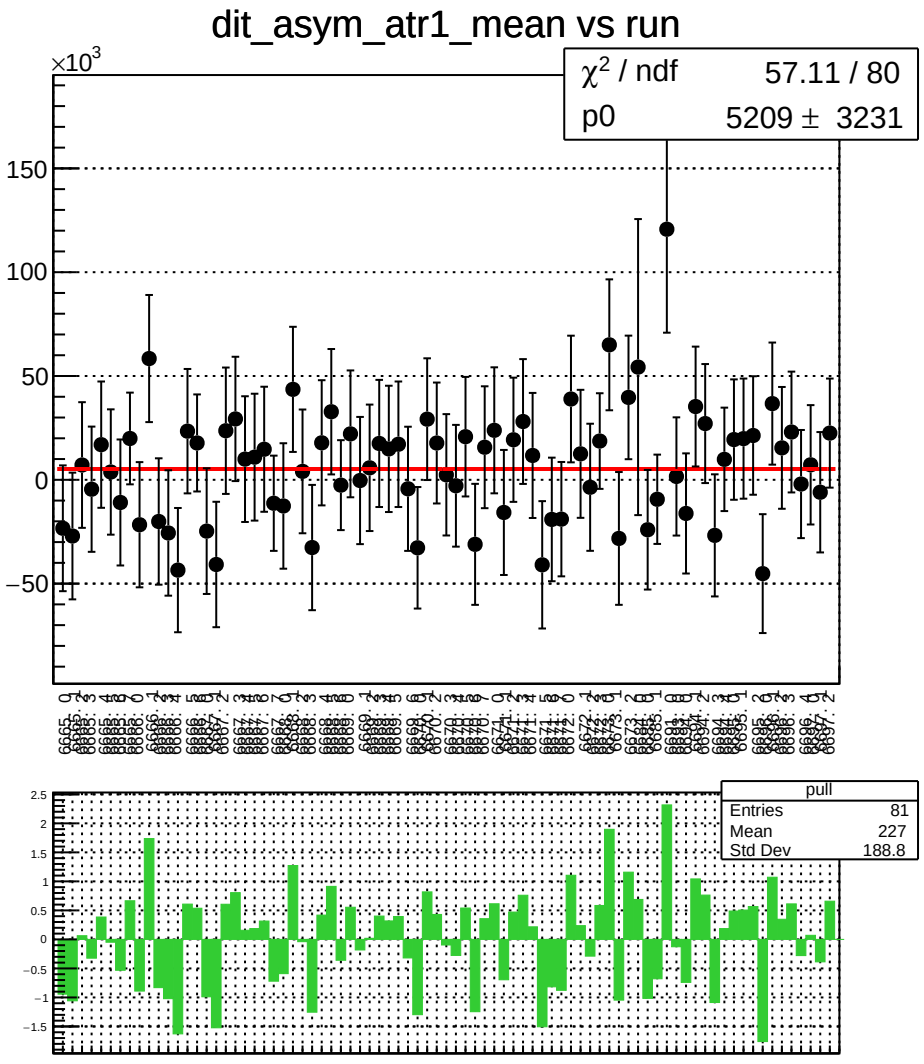

pull1D
Entries 81
Mean 0.002233
Std Dev 0.842

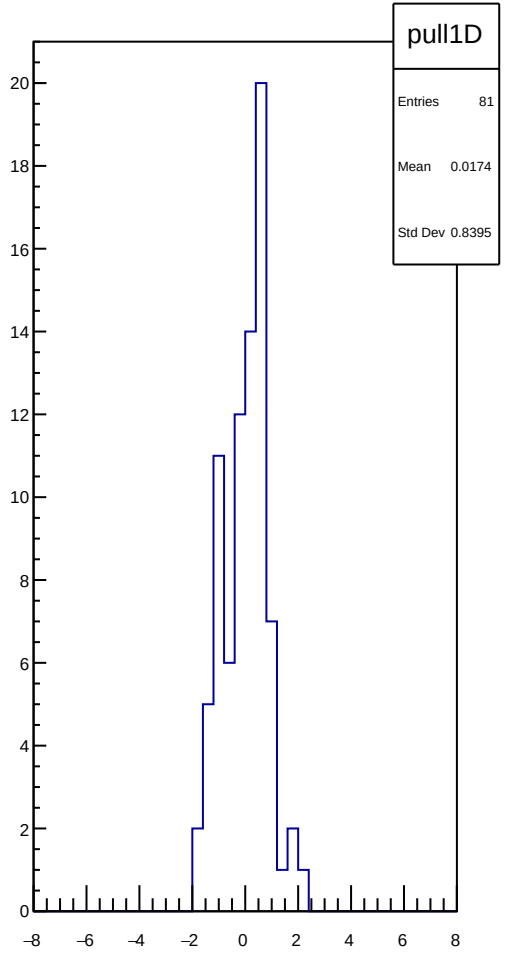

asym_atl2_correction_rms vs run
χ² / ndf 1.708e+04 / 80
p0 1.033e+04 ± 8.374
12000
11000
10000
9000
8000

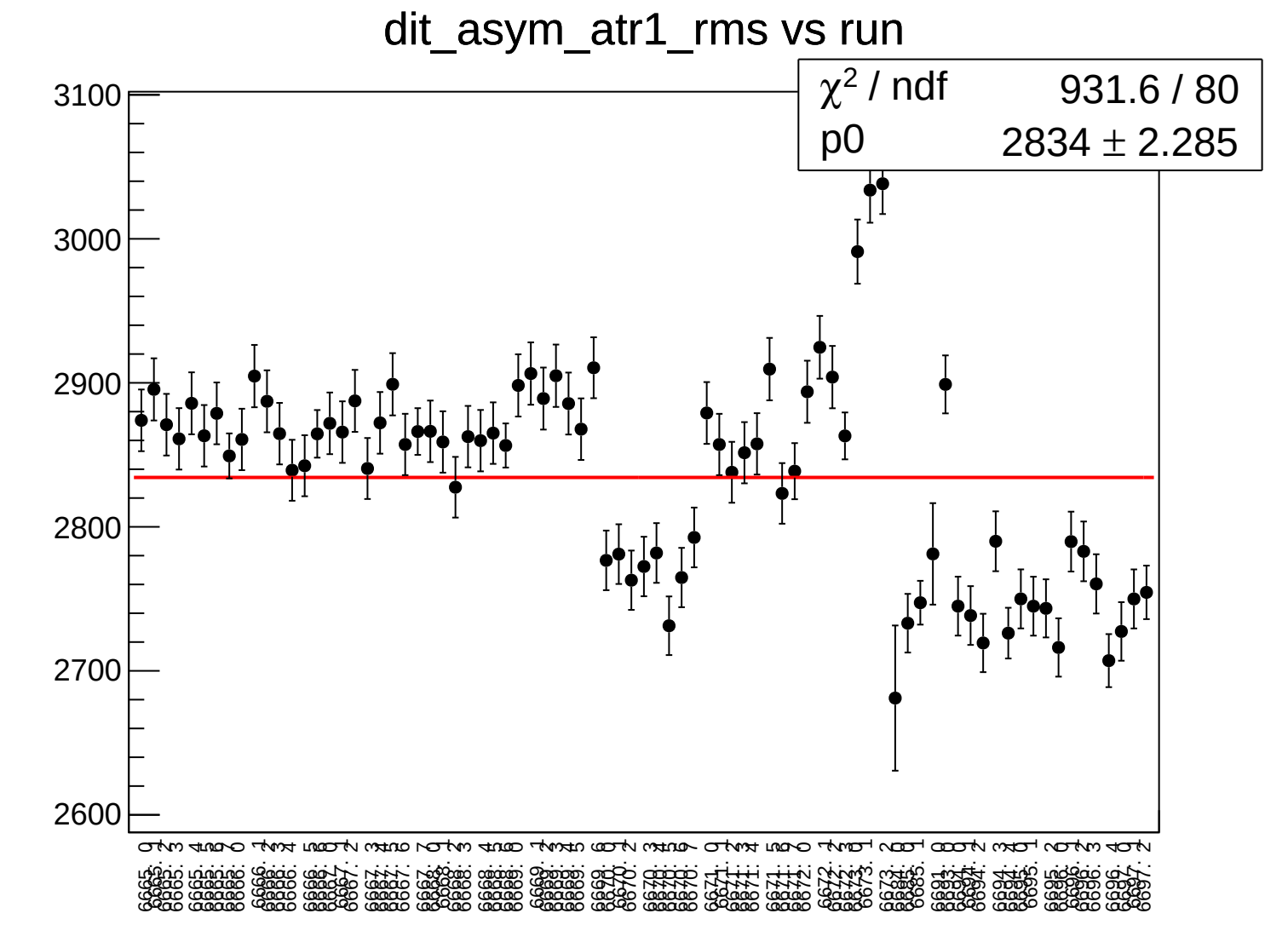

asym_atl2_mean vs run
×10^3
χ² / ndf 64.65 / 80
p0 −1.909e+04 ± 1.239e+04
pull
Entries 81
Mean 192.4
Std Dev 75.2

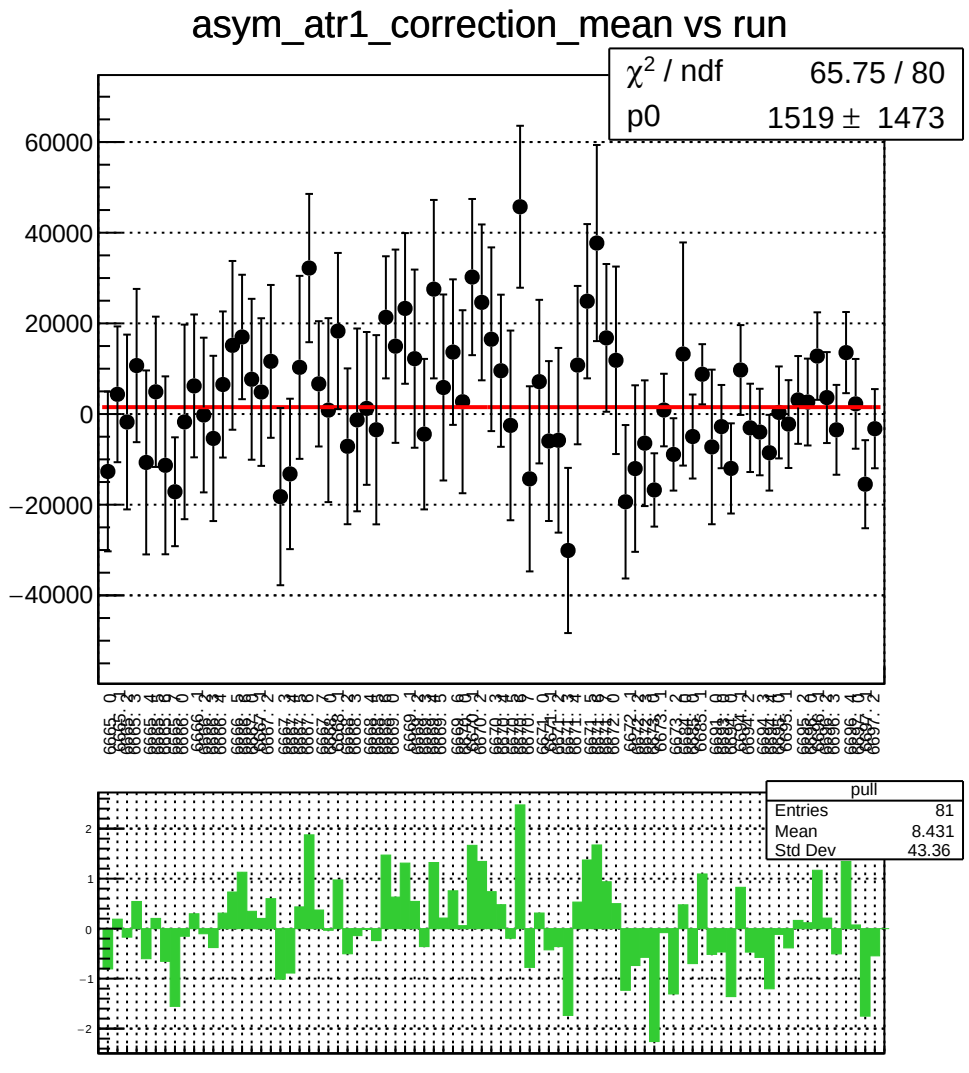

pull1D
Entries 81
Mean 0.003264
Std Dev 0.8934

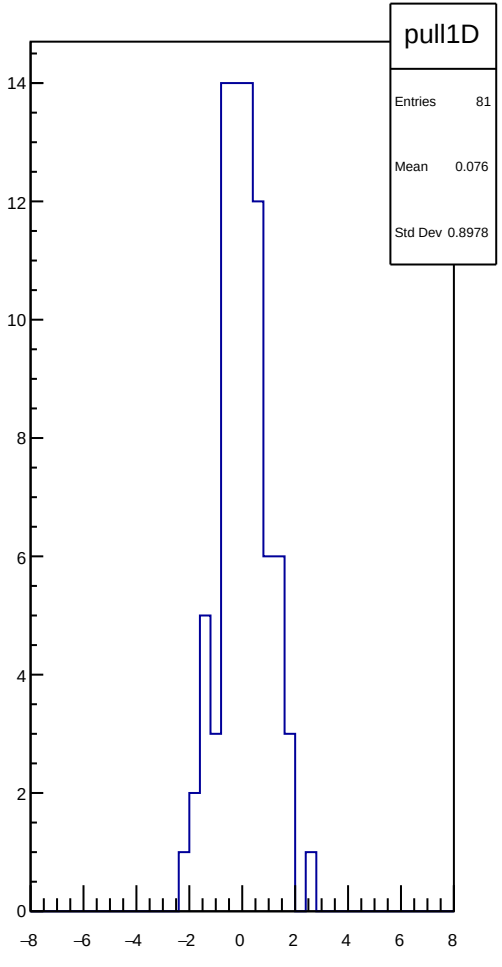

asym_atl2_rms vs run
χ² / ndf 1.025e+04 / 80
p0 1.084e+04 ± 8.764
13000
12500
12000
11500
11000
10500
10000
9500
9000

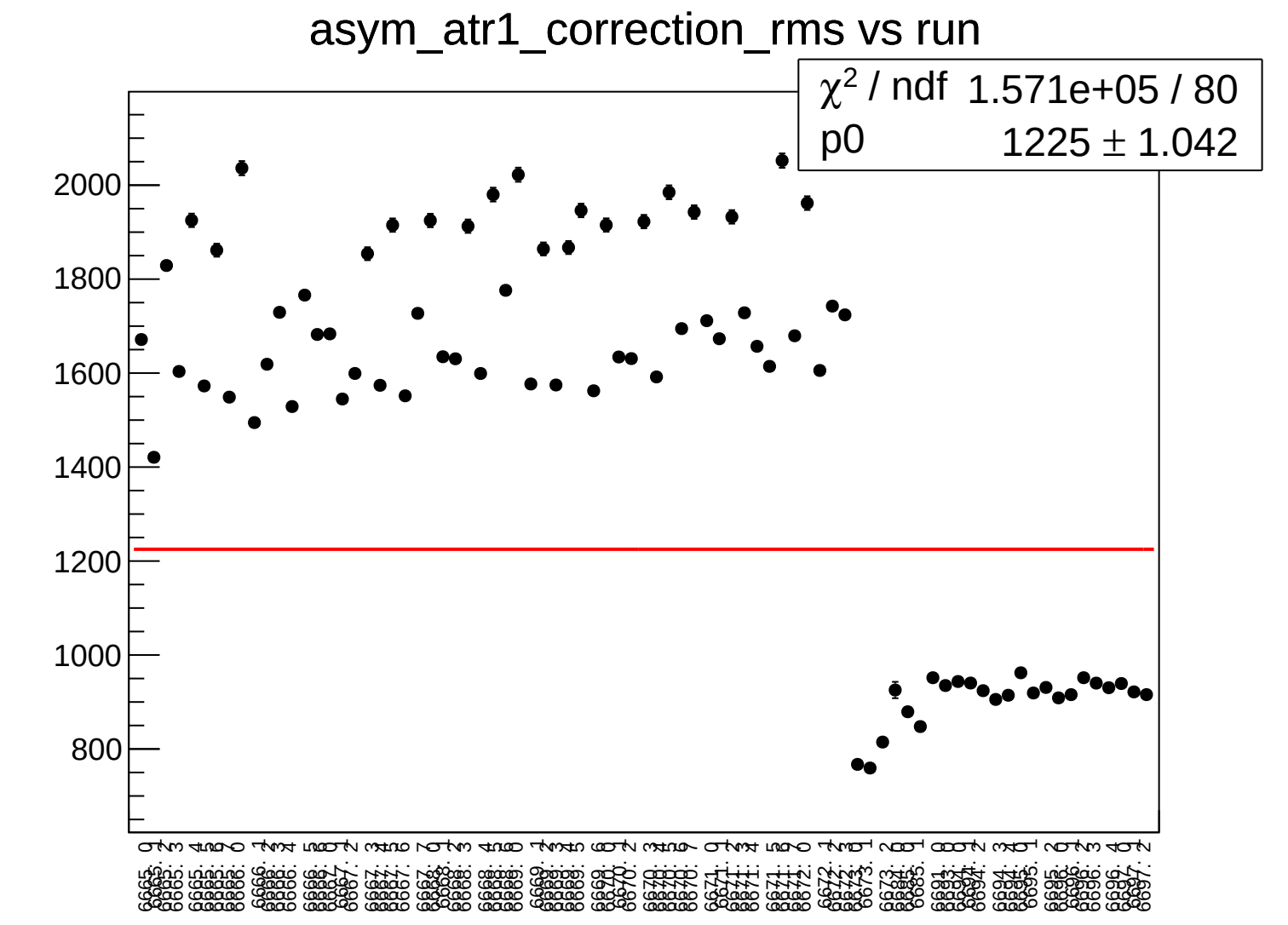

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 57.11 / 80
p0 5209 ± 3231
150
100
50
0
−50
pull
Entries 81
Mean 227
Std Dev 188.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

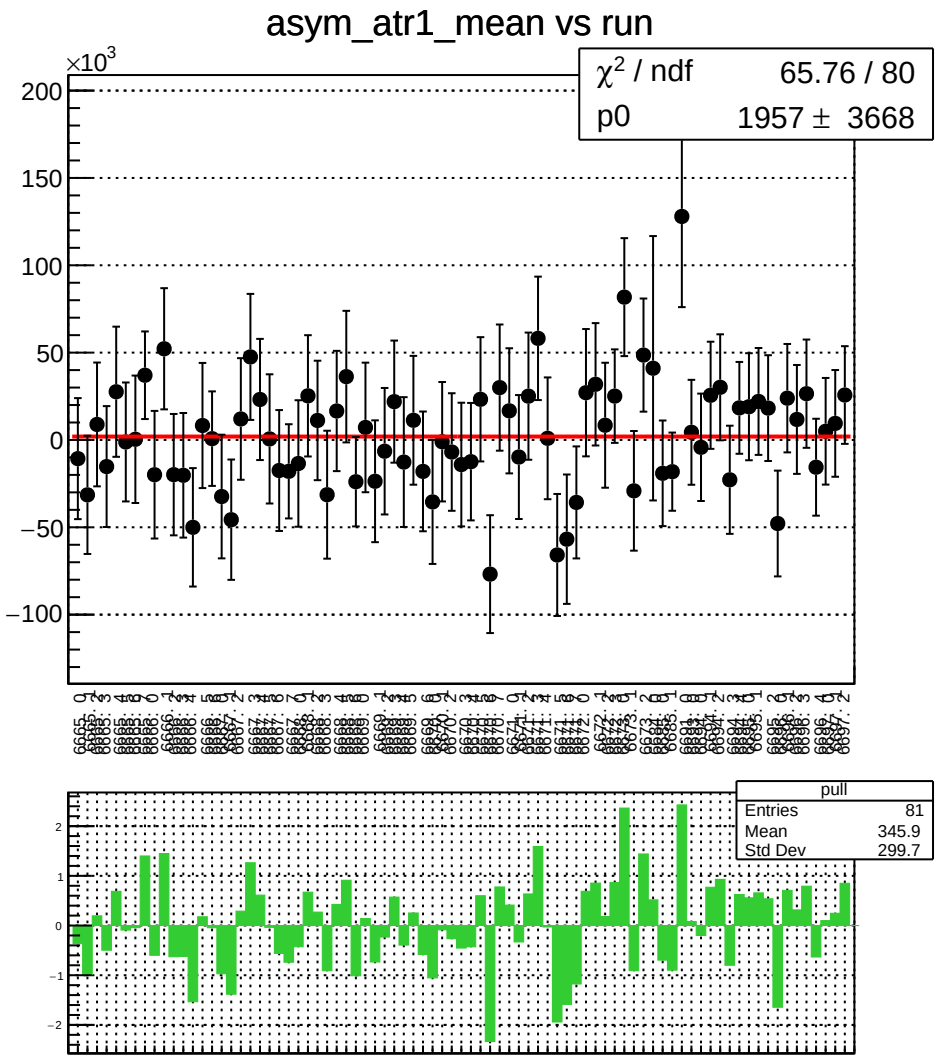

pull1D
Entries 81
Mean 0.0174
Std Dev 0.8395
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

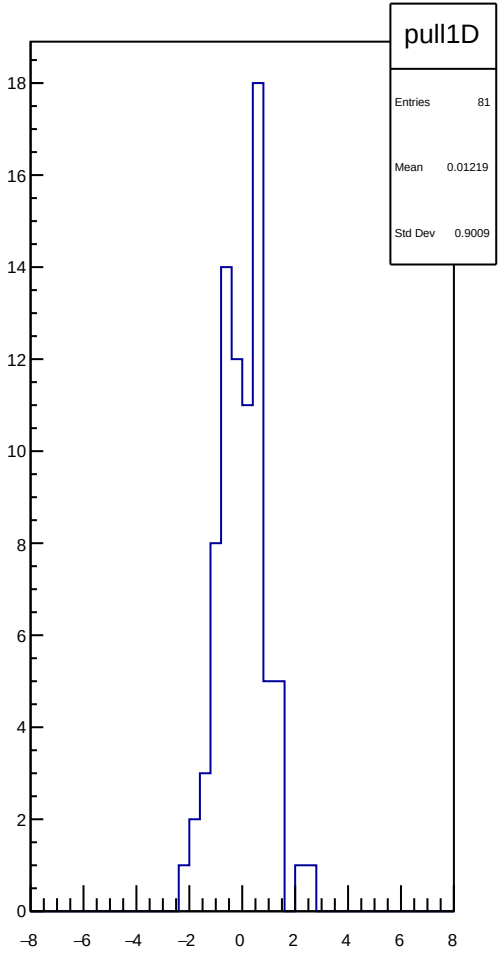

dit_asym_atr1_rms vs run
χ² / ndf 931.6 / 80
p0 2834 ± 2.285
3100
3000
2900
2800
2700
2600

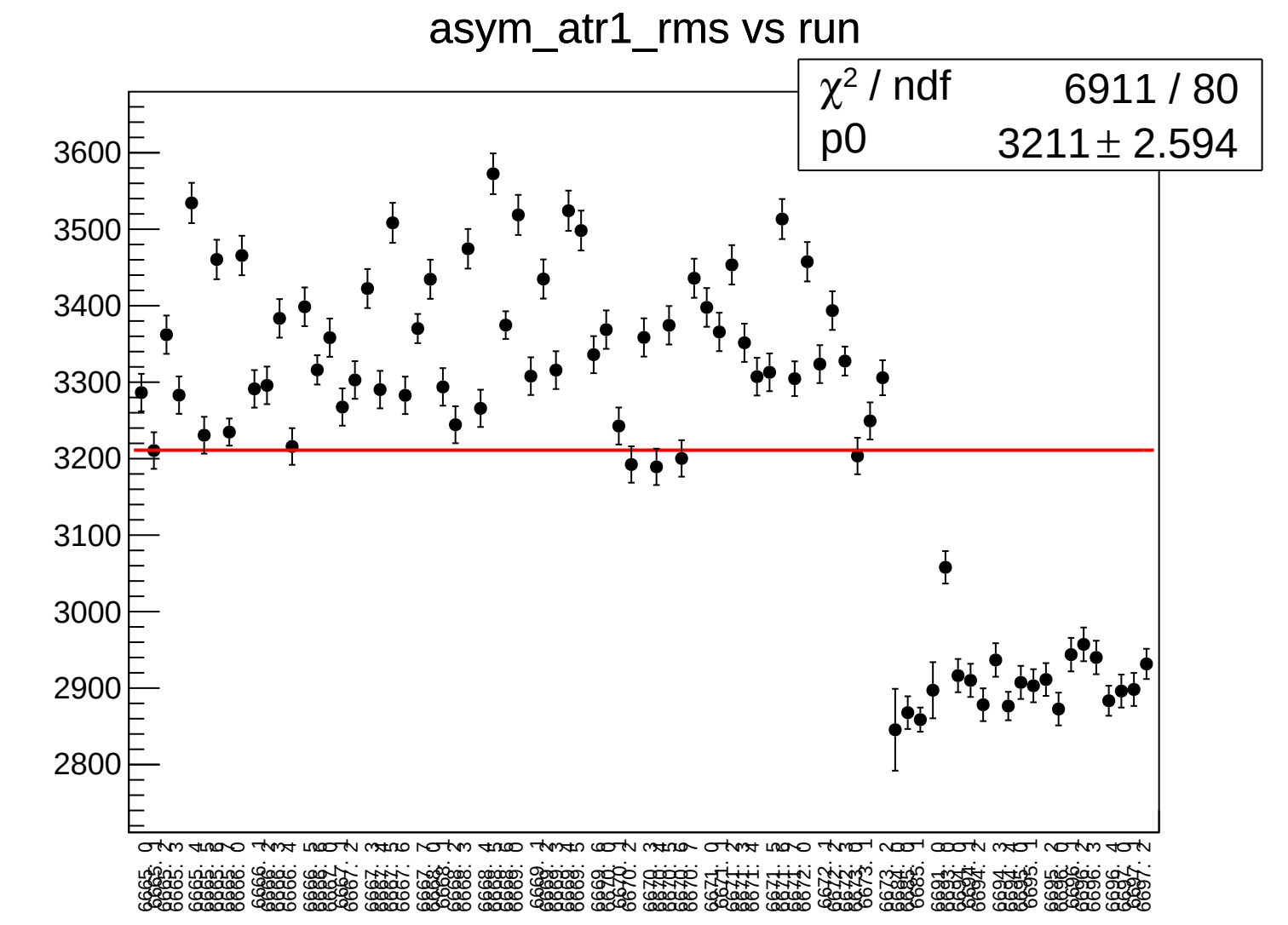

asym_atr1_correction_mean vs run
χ² / ndf 65.75 / 80
p0 1519 ± 1473
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 8.431
Std Dev 43.36
2
1
0
−1
−2

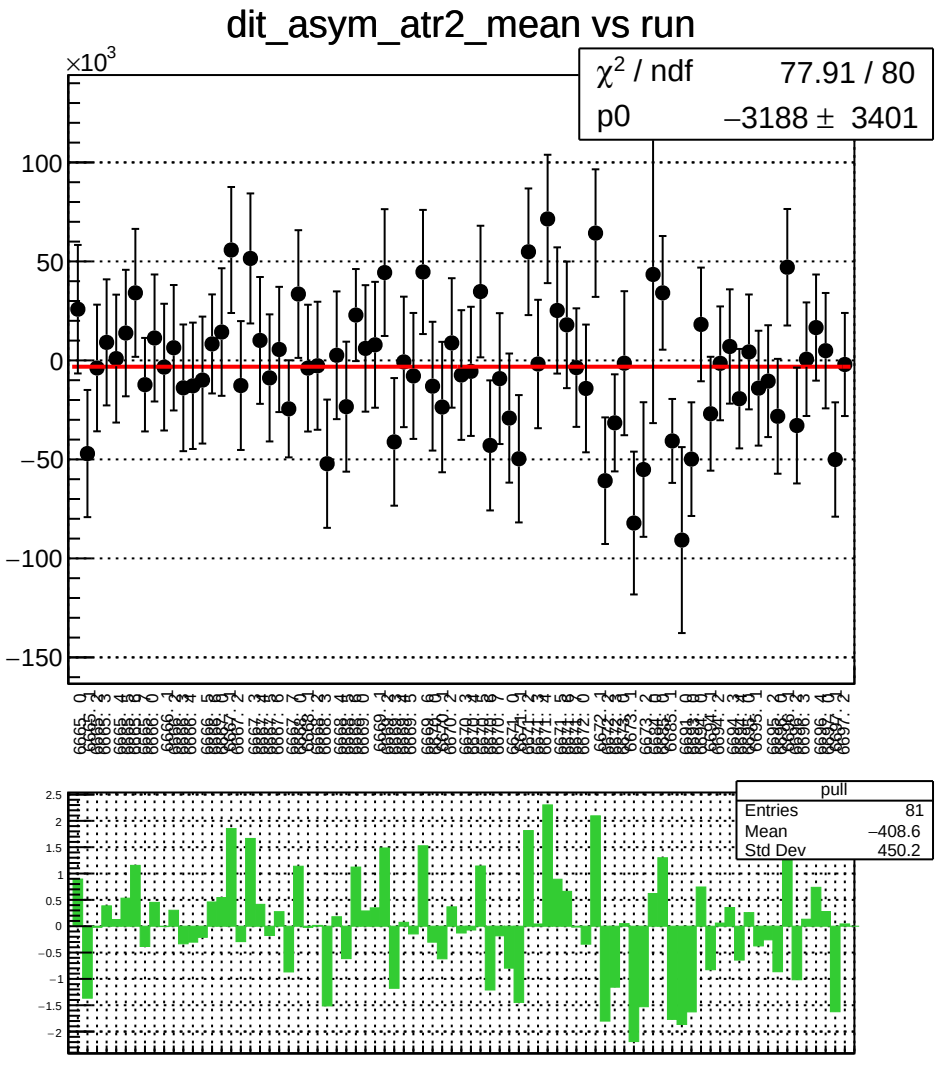

pull1D
Entries 81
Mean 0.076
Std Dev 0.8978
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

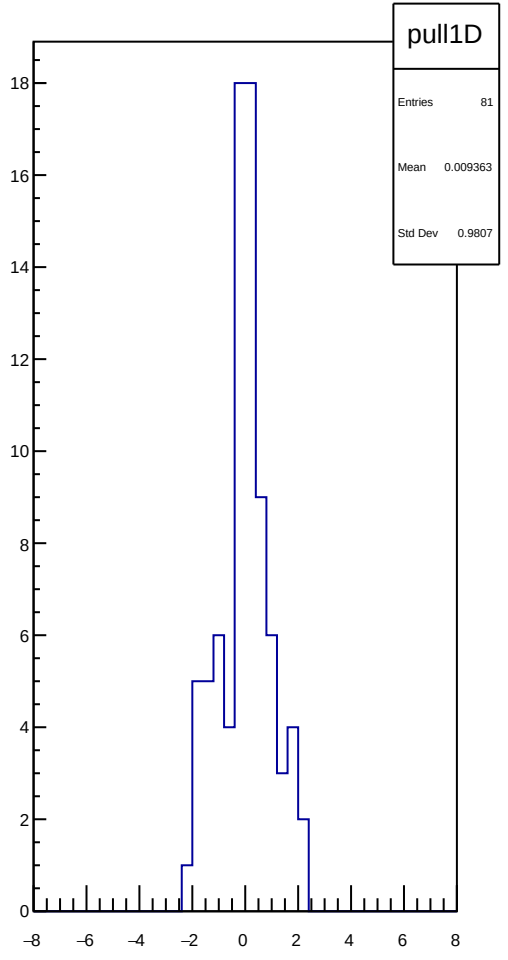

asym_atr1_correction_rms vs run
χ² / ndf 1.571e+05 / 80
p0 1225 ± 1.042
2000
1800
1600
1400
1200
1000
800

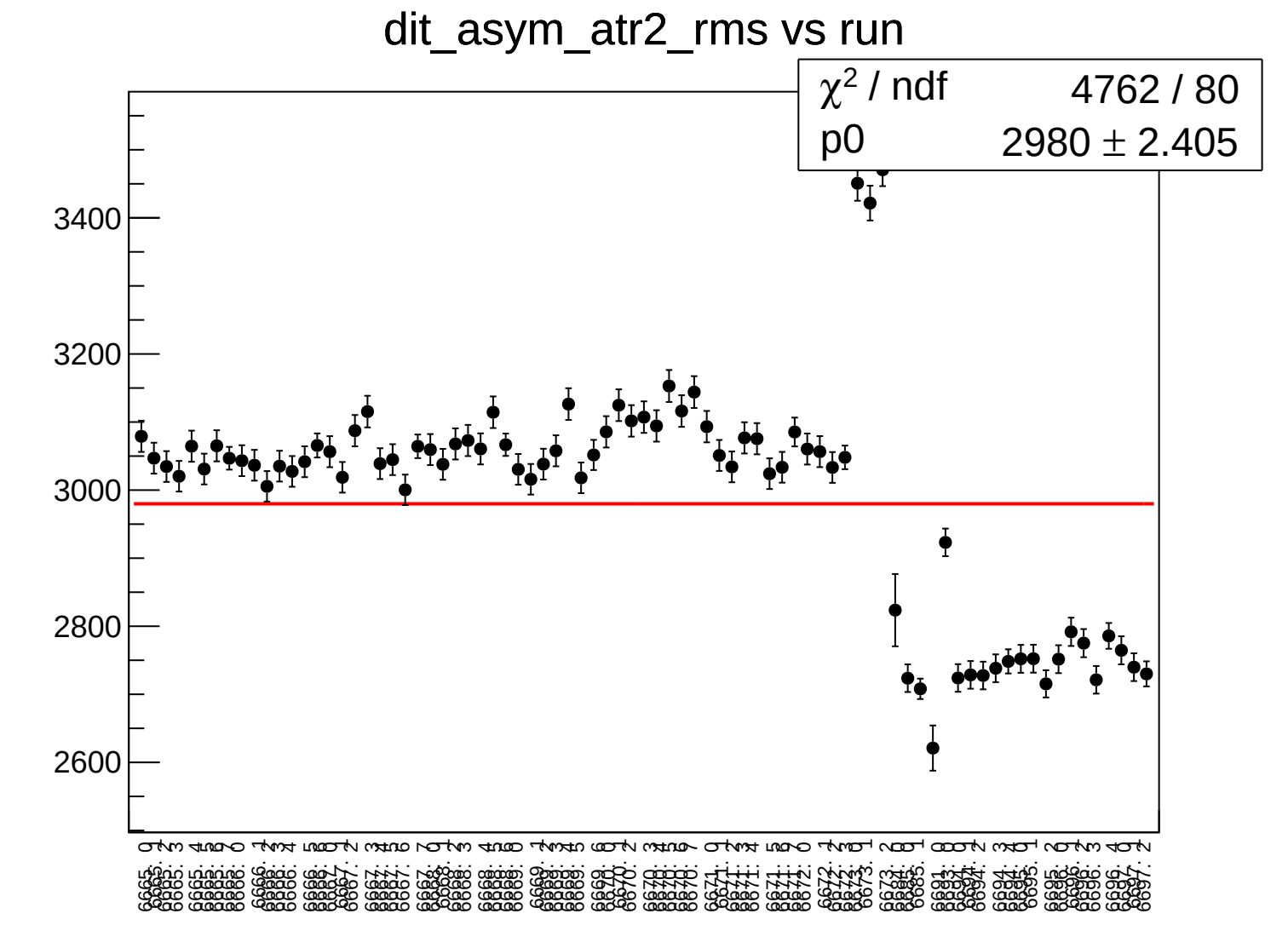

asym_atr1_mean vs run
×10^3
χ² / ndf 65.76 / 80
p0 1957 ± 3668
pull
Entries 81
Mean 345.9
Std Dev 299.7

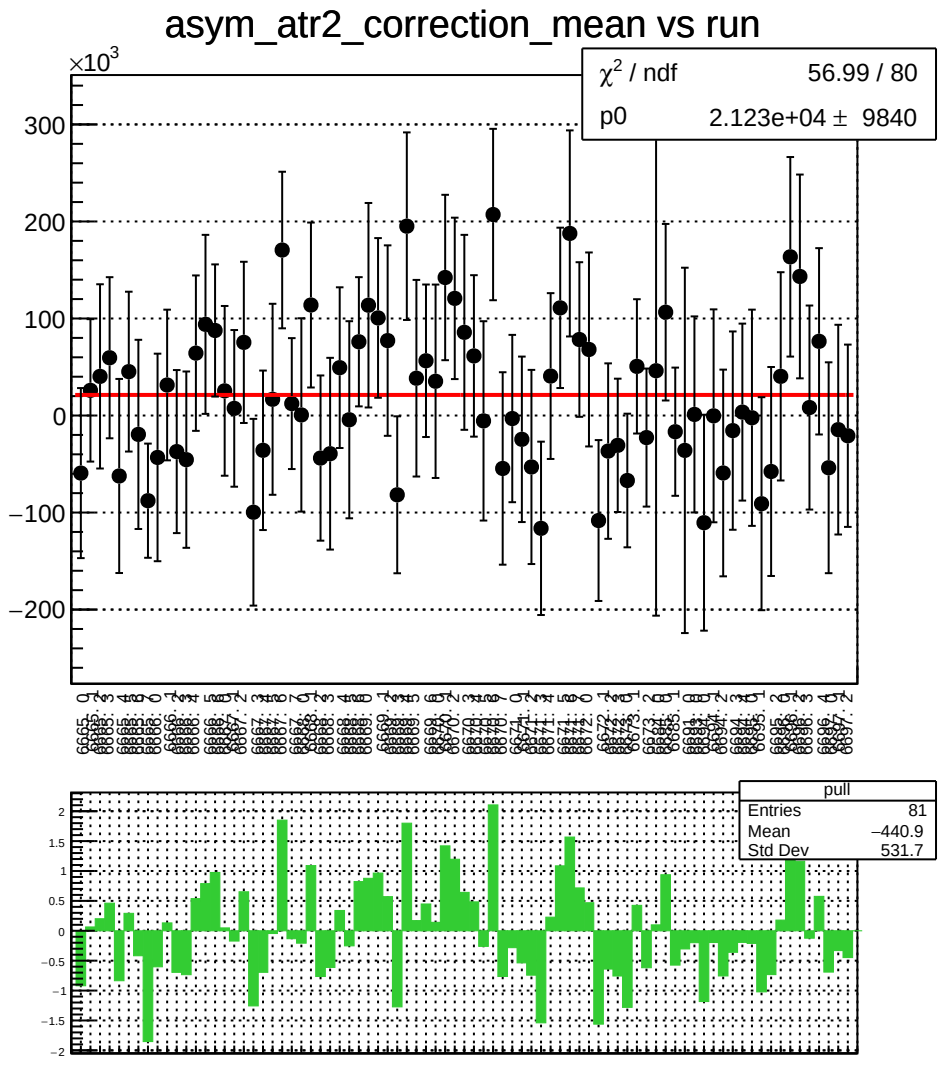

pull1D
Entries 81
Mean 0.01219
Std Dev 0.9009

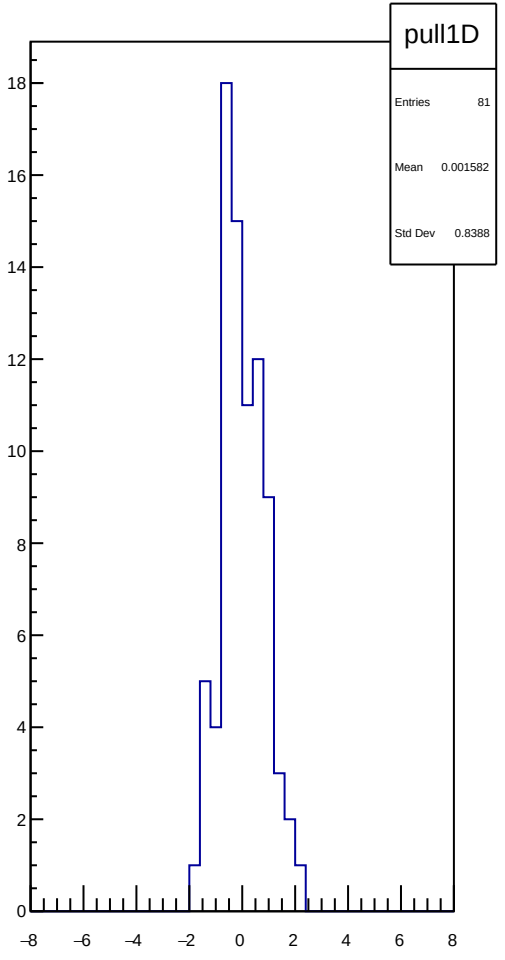

asym_atr1_rms vs run
$\chi^2$ / ndf 6911 / 80
p0 3211 ± 2.594
3600
3500
3400
3300
3200
3100
3000
2900
2800

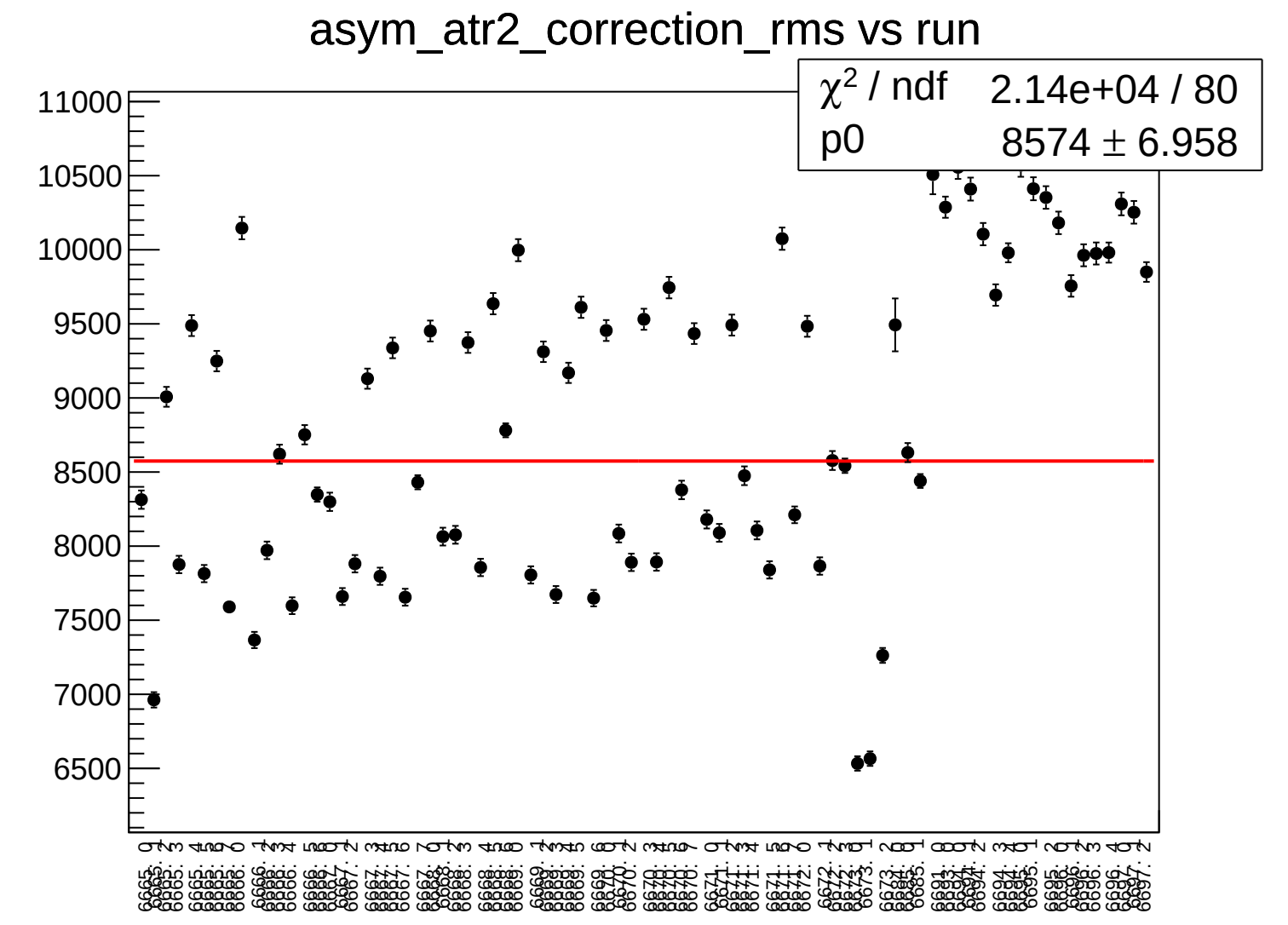

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 77.91 / 80
p0 −3188 ± 3401
100
50
0
−50
−100
−150
pull
Entries 81
Mean −408.6
Std Dev 450.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

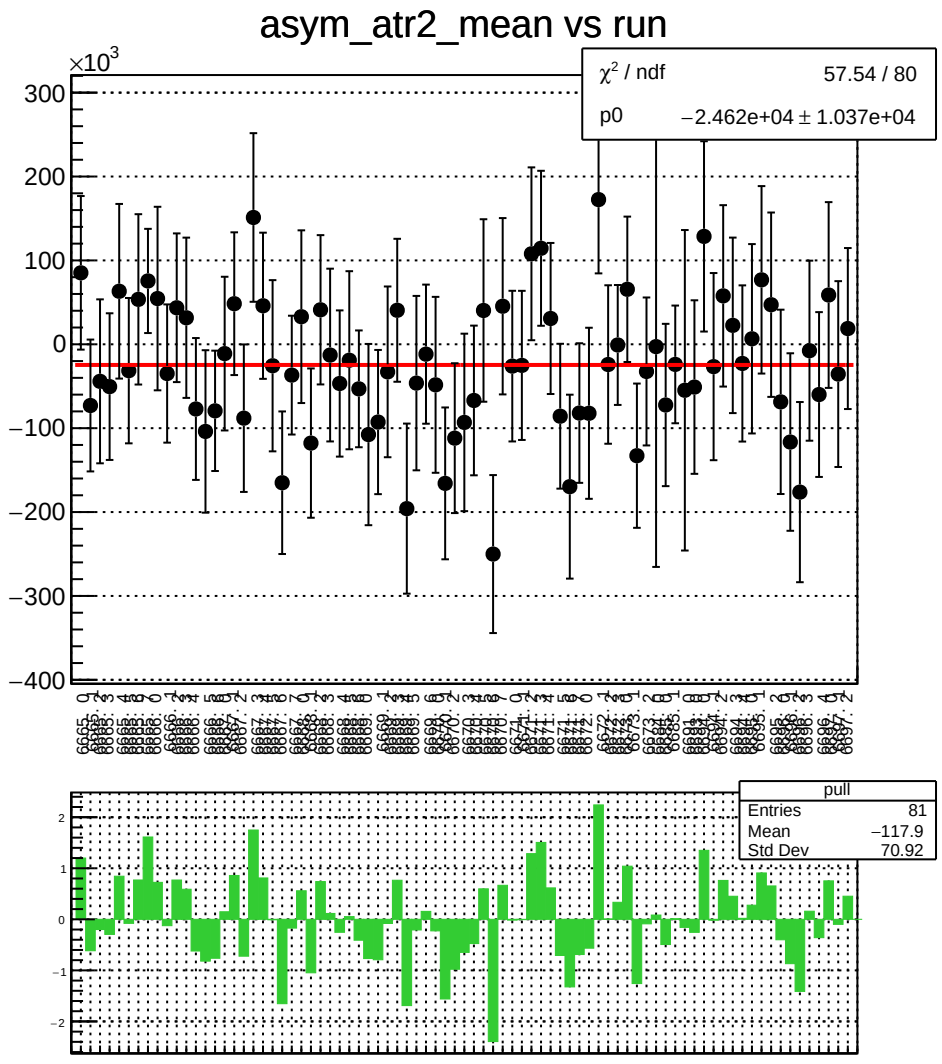

pull1D
Entries 81
Mean 0.009363
Std Dev 0.9807
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

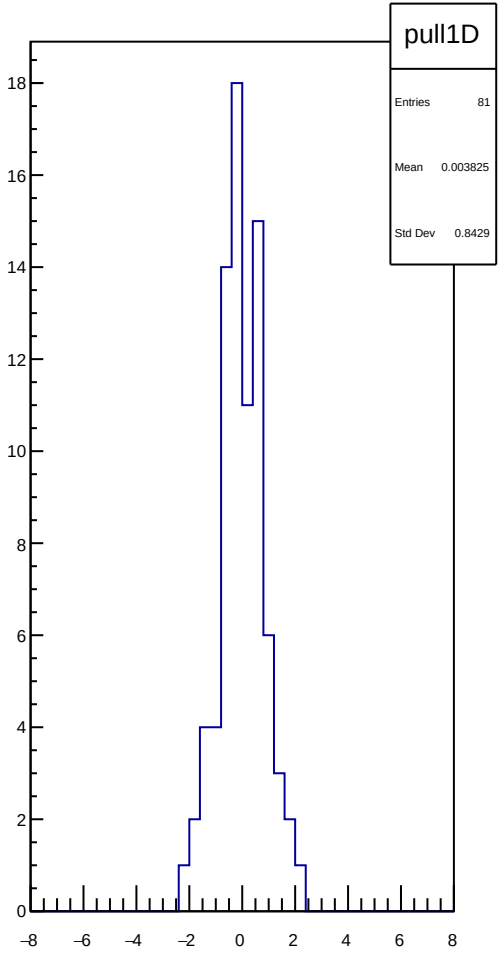

dit_asym_atr2_rms vs run
χ² / ndf 4762 / 80
p0 2980 ± 2.405
3400
3200
3000
2800
2600

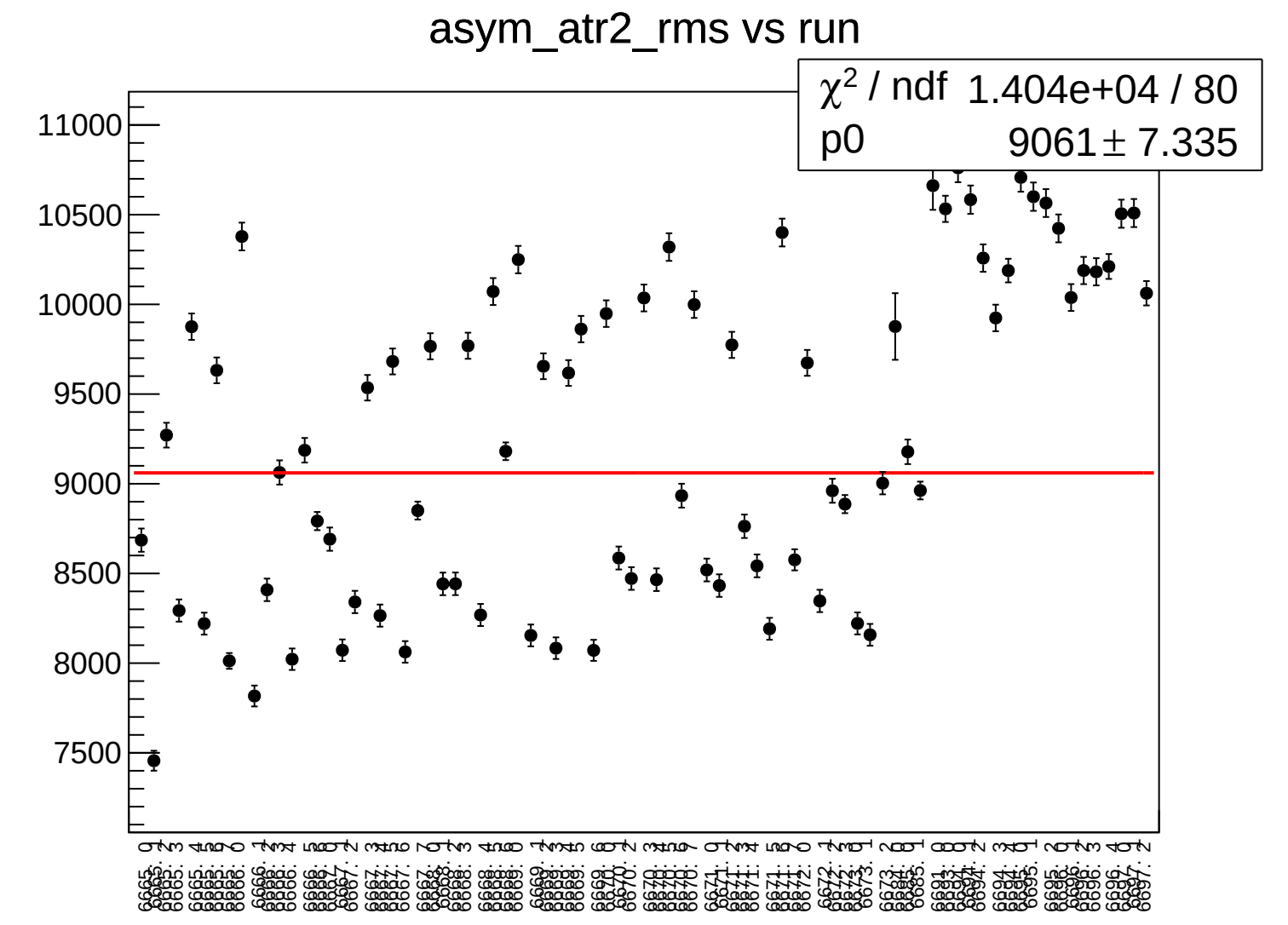

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 56.99 / 80
p0 2.123e+04 ± 9840
pull
Entries 81
Mean −440.9
Std Dev 531.7

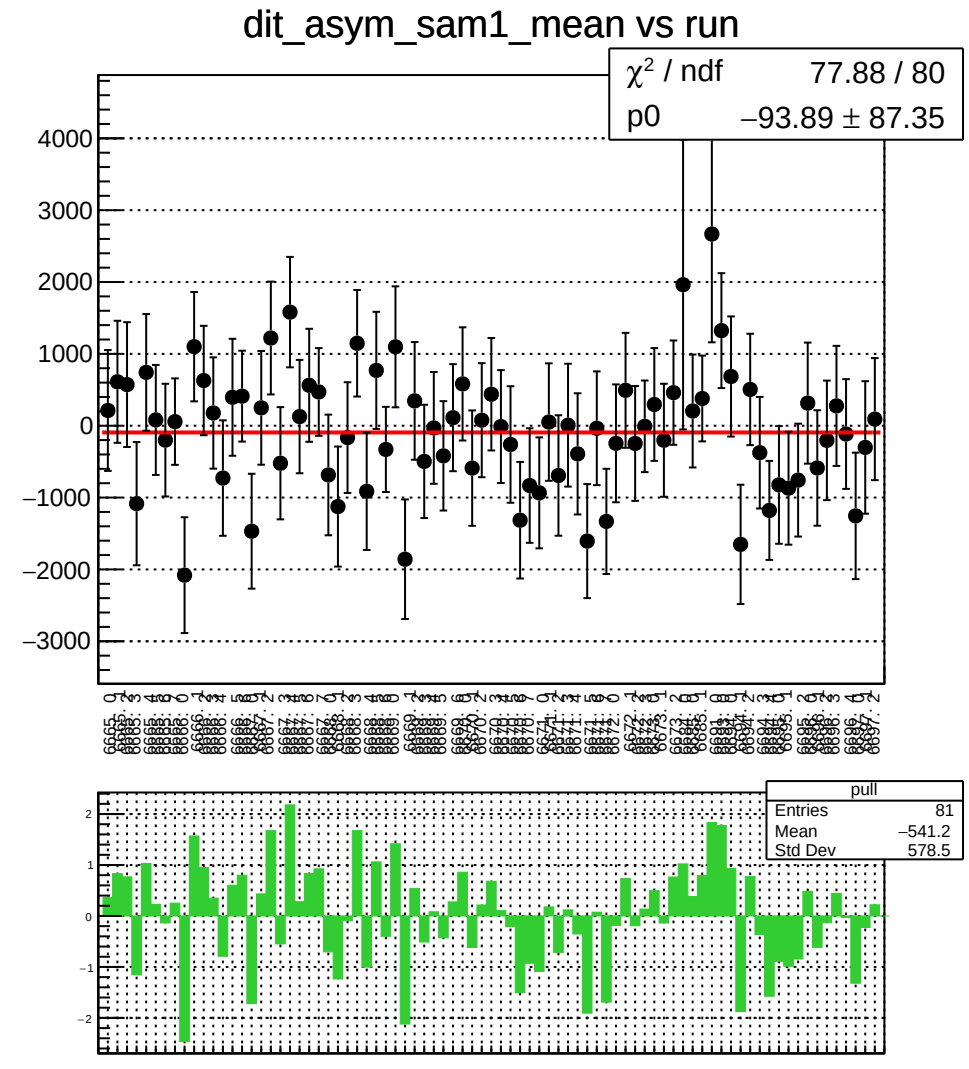

pull1D
Entries 81
Mean 0.001582
Std Dev 0.8388

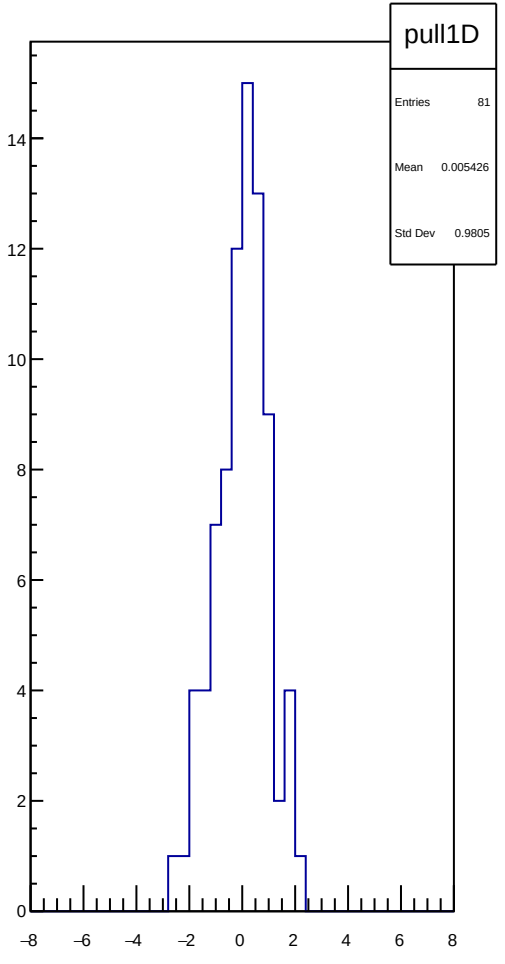

asym_atr2_correction_rms vs run
χ² / ndf 2.14e+04 / 80
p0 8574 ± 6.958
11000
10500
10000
9500
9000
8500
8000
7500
7000
6500

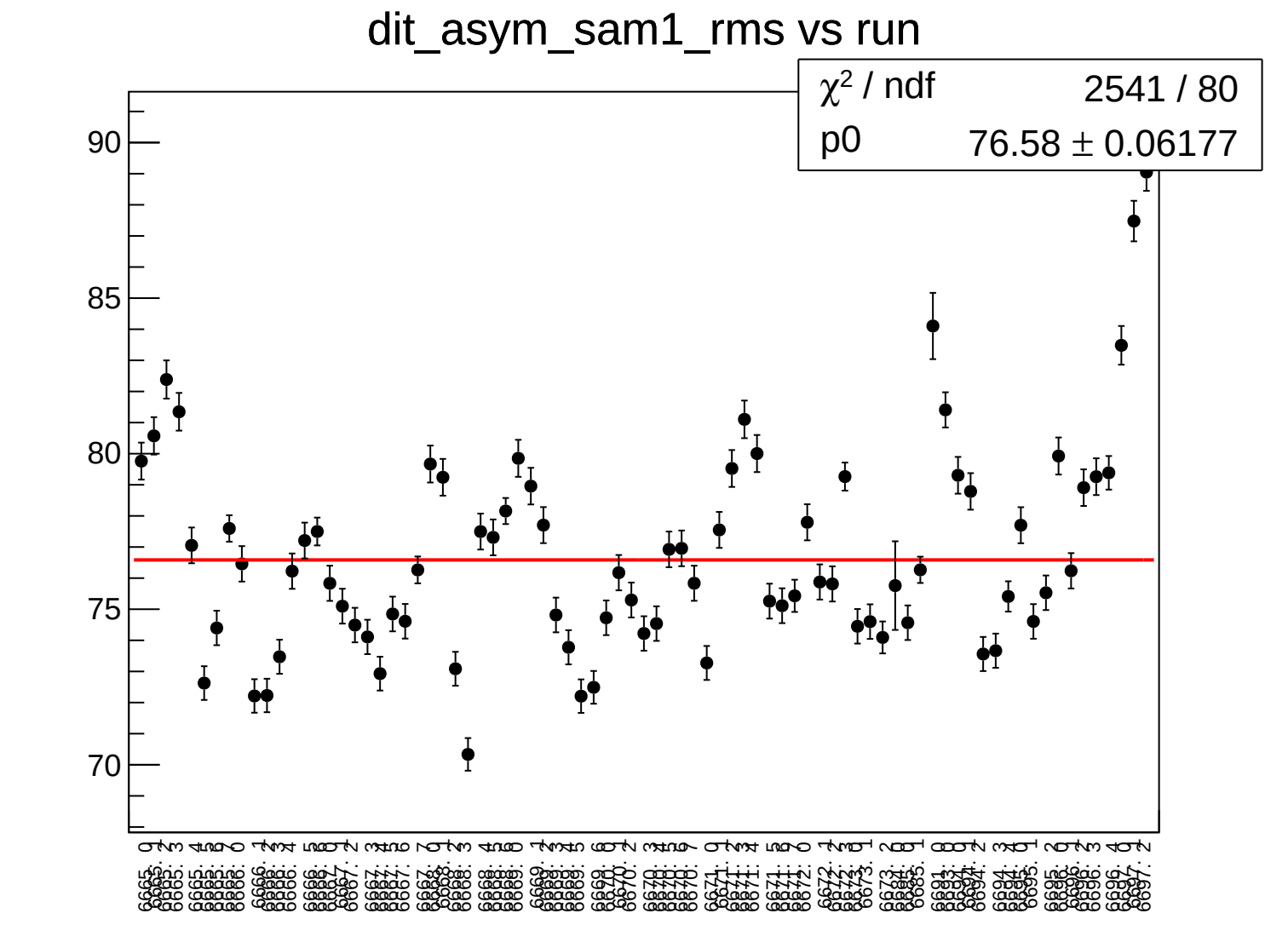

asym_atr2_mean vs run
×10^3
χ² / ndf 57.54 / 80
p0 −2.462e+04 ± 1.037e+04
pull
Entries 81
Mean −117.9
Std Dev 70.92

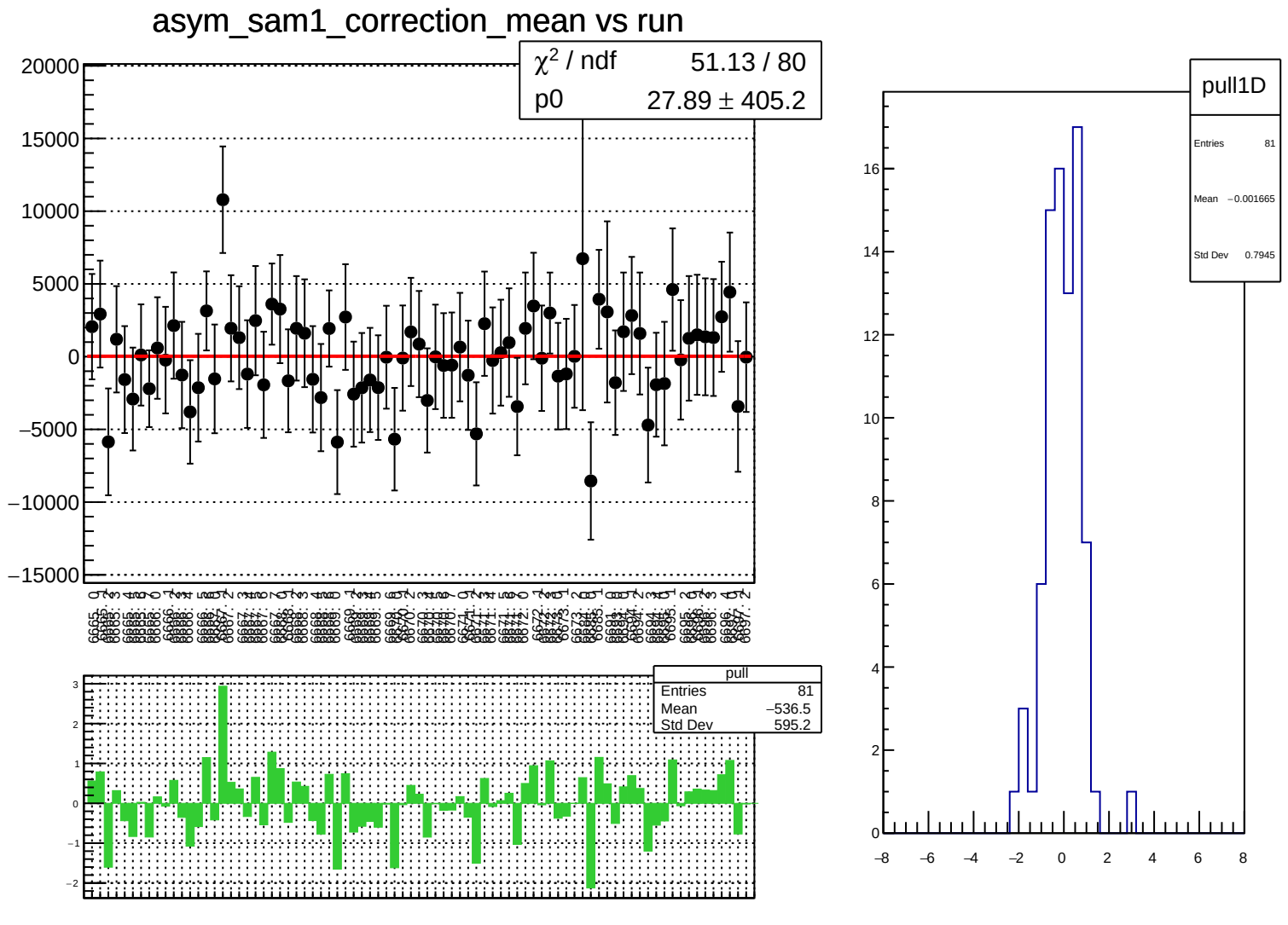

pull1D
Entries 81
Mean 0.003825
Std Dev 0.8429

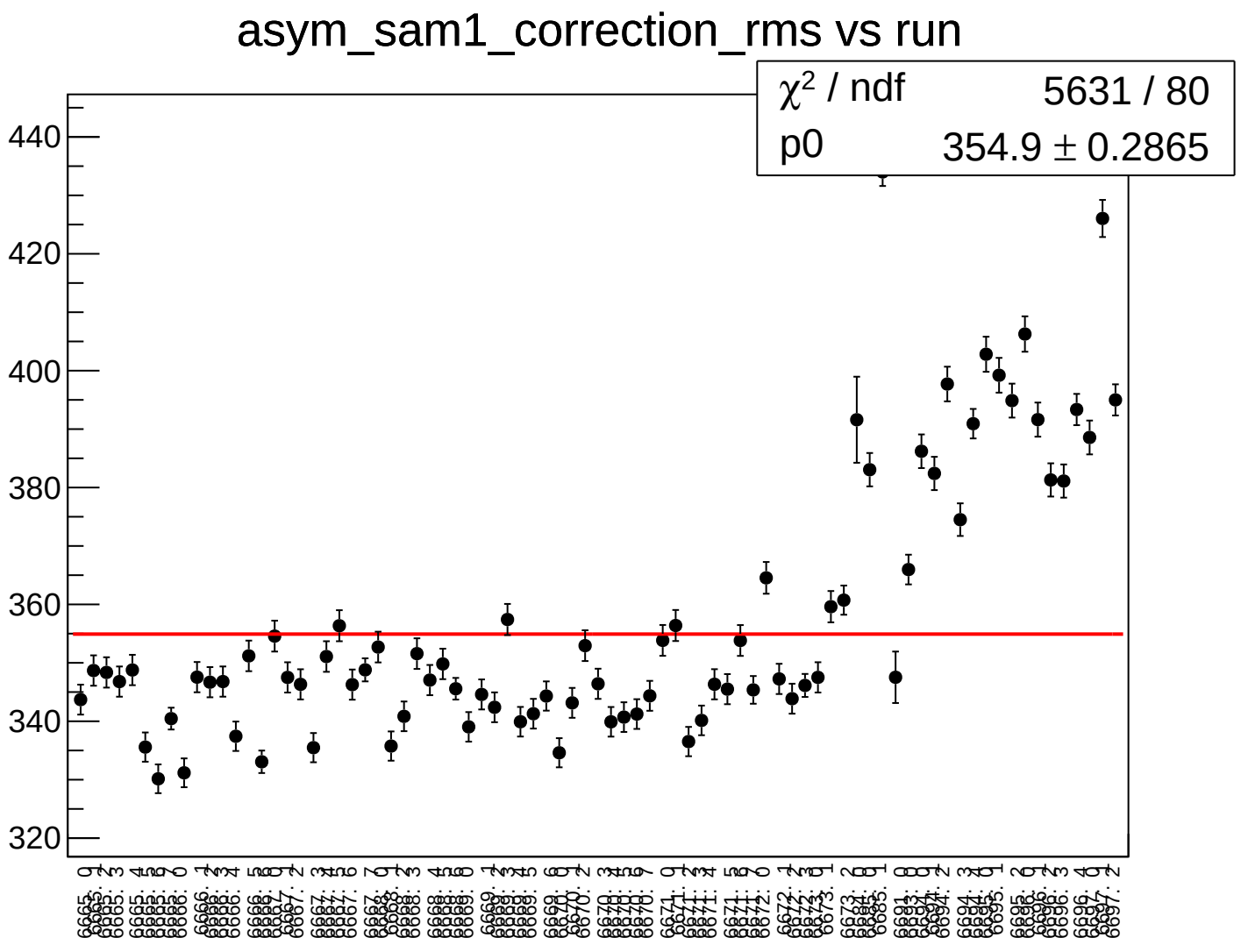

asym_atr2_rms vs run
χ² / ndf 1.404e+04 / 80
p0 9061 ± 7.335
11000
10500
10000
9500
9000
8500
8000
7500

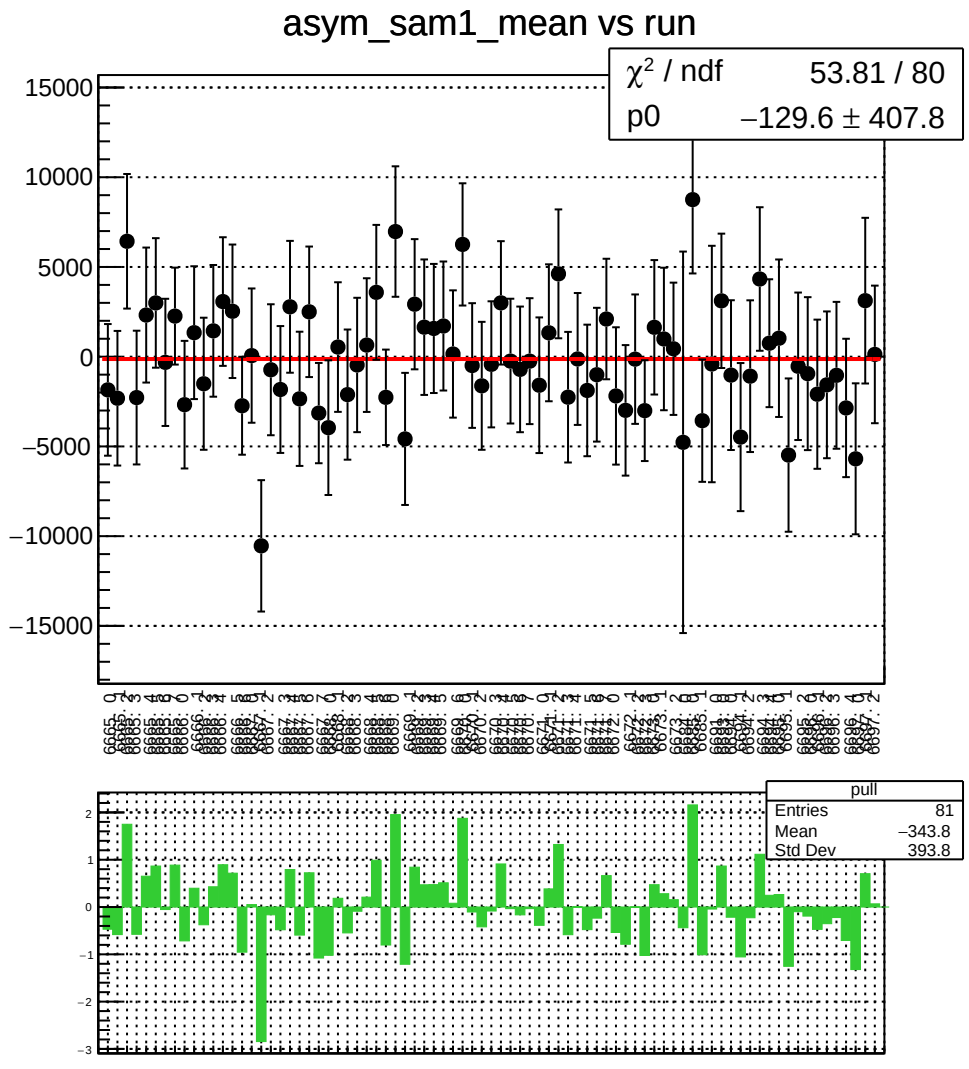

dit_asym_sam1_mean vs run
χ² / ndf 77.88 / 80
p0 −93.89 ± 87.35
pull
Entries 81
Mean −541.2
Std Dev 578.5

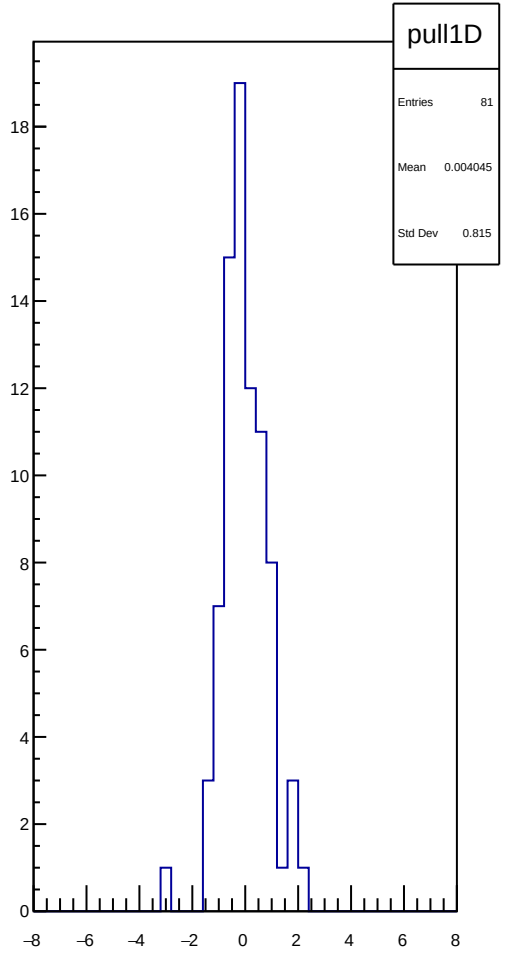

pull1D
Entries 81
Mean 0.005426
Std Dev 0.9805

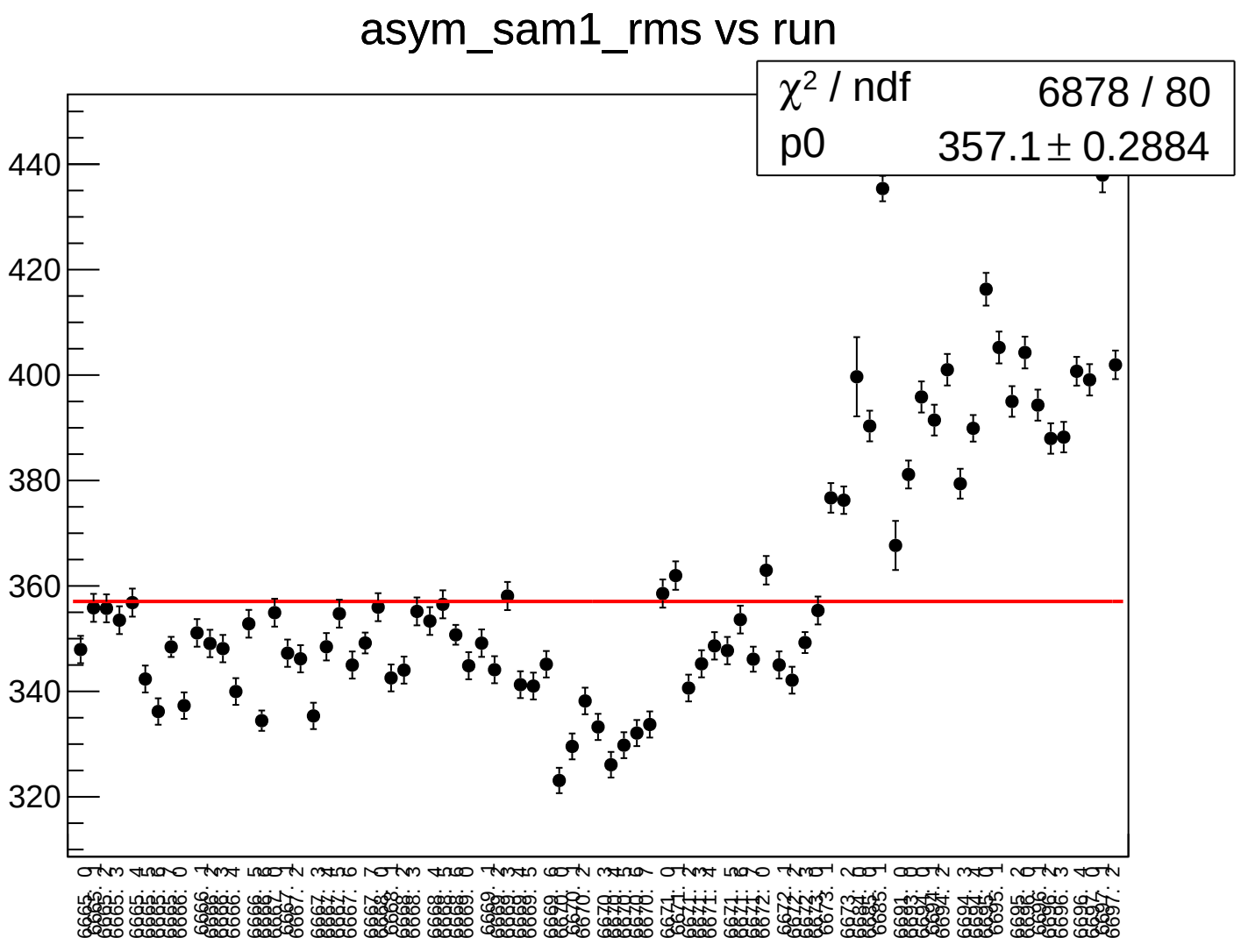

dit_asym_sam1_rms vs run
χ² / ndf 2541 / 80
p0 76.58 ± 0.06177
90
85
80
75
70

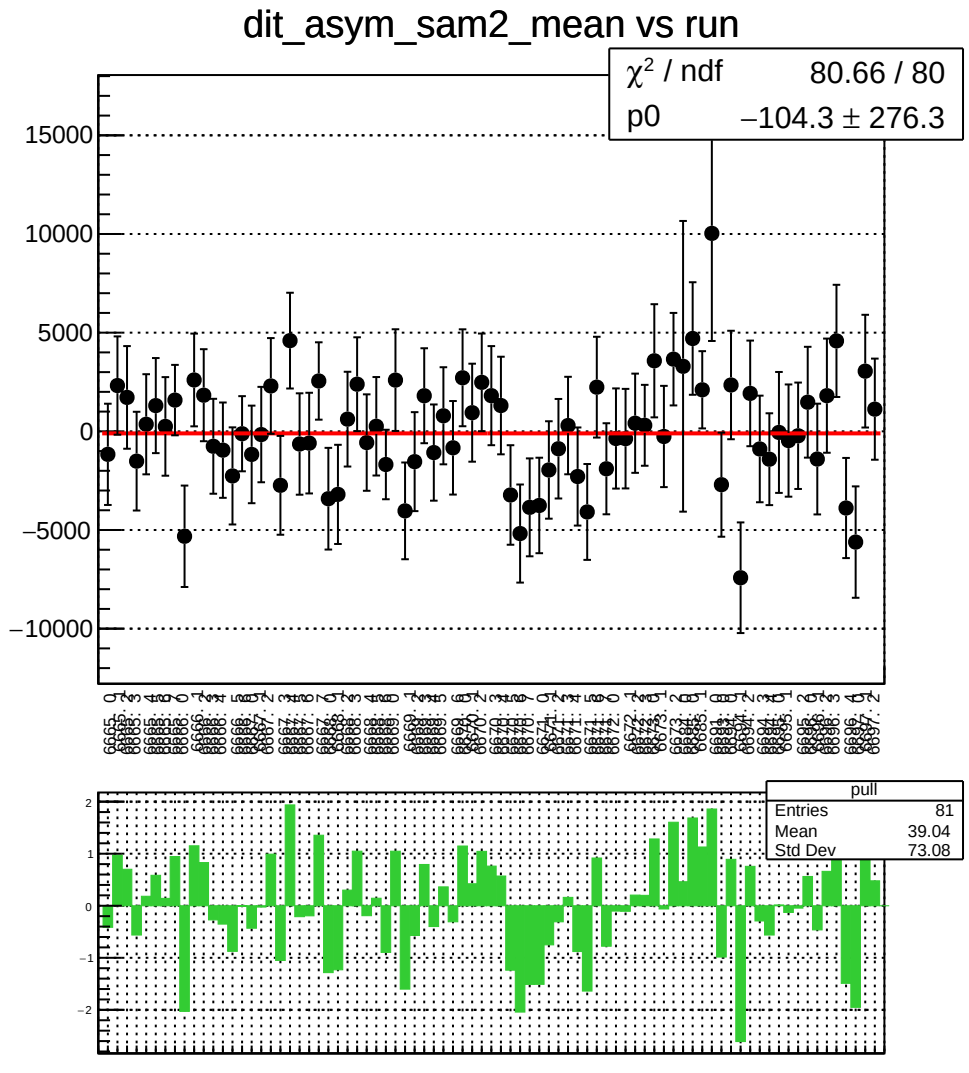

asym_sam1_correction_mean vs run
χ² / ndf 51.13 / 80
p0 27.89 ± 405.2
pull
Entries 81
Mean −536.5
Std Dev 595.2
pull1D
Entries 81
Mean −0.001665
Std Dev 0.7945

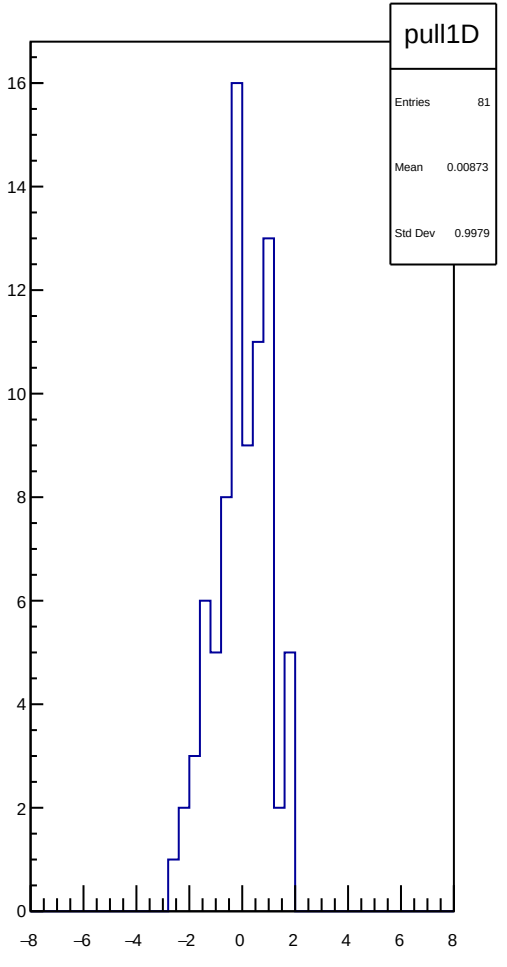

asym_sam1_correction_rms vs run
χ² / ndf 5631 / 80
p0 354.9 ± 0.2865
440
420
400
380
360
340
320

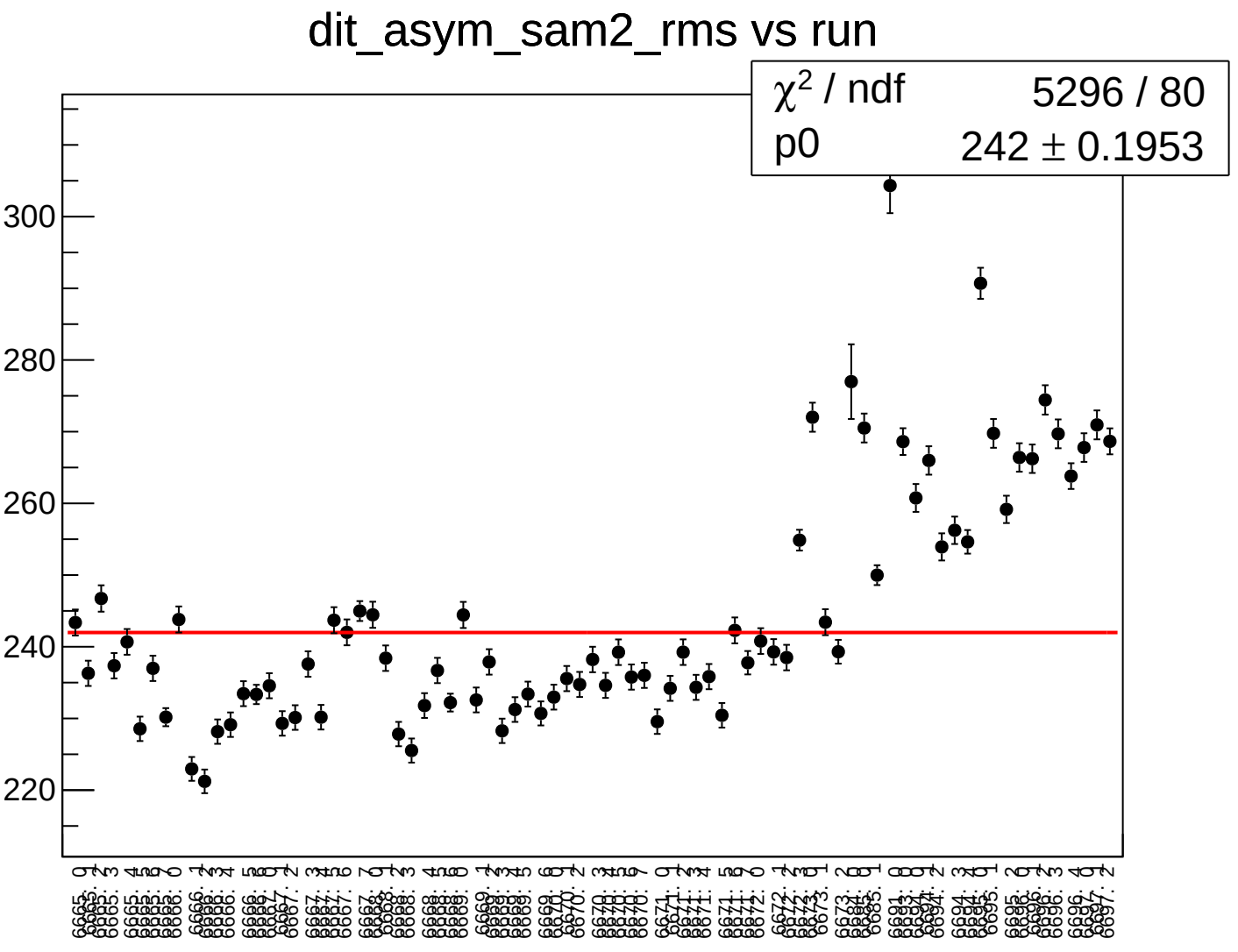

asym_sam1_mean vs run
χ² / ndf 53.81 / 80
p0 −129.6 ± 407.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −343.8
Std Dev 393.8
2
1
0
−1
−2
−3

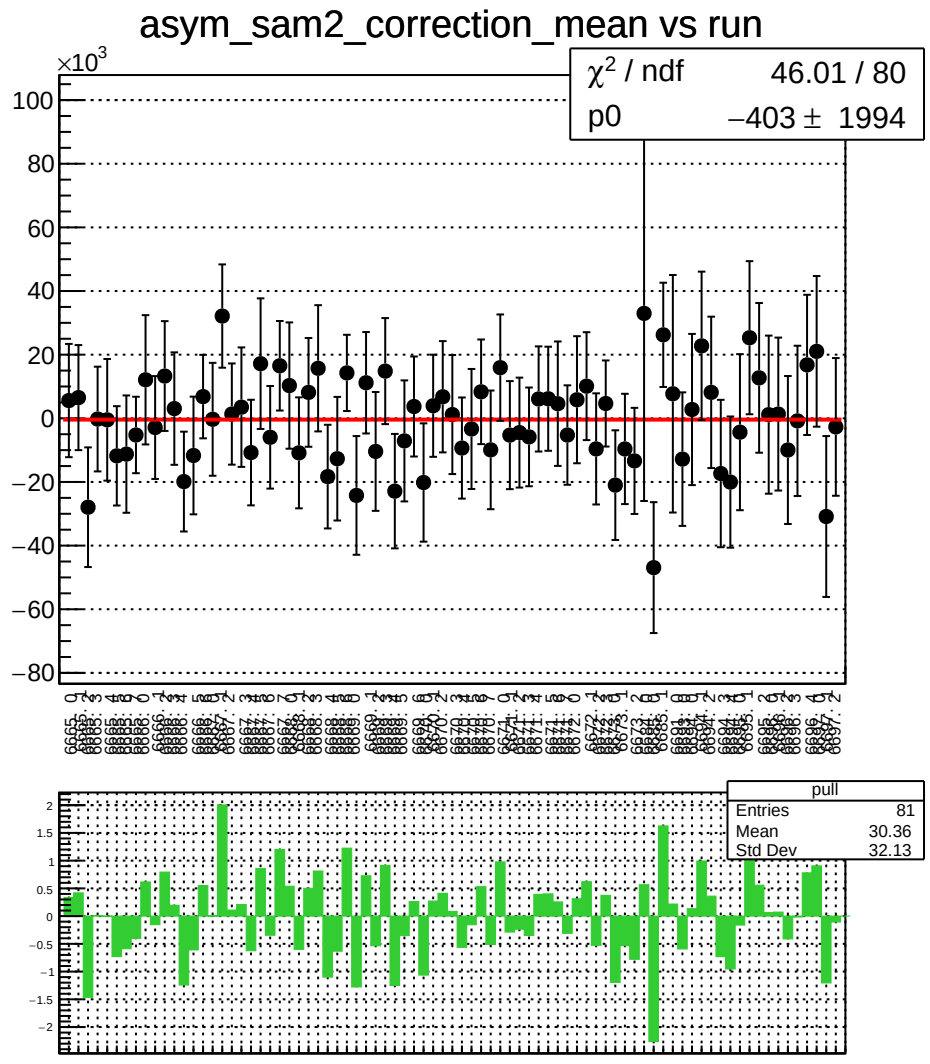

pull1D
Entries 81
Mean 0.004045
Std Dev 0.815
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

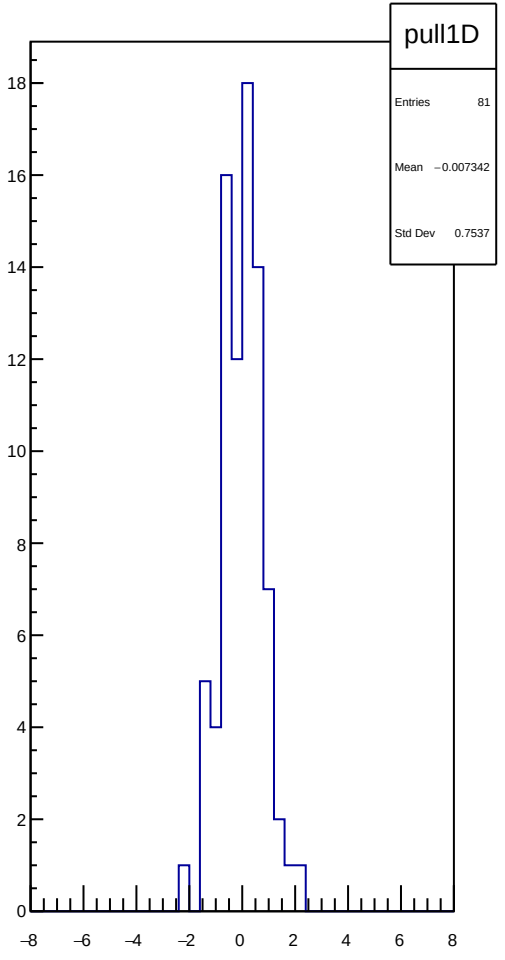

asym_sam1_rms vs run
χ² / ndf 6878 / 80
p0 357.1 ± 0.2884
440
420
400
380
360
340
320

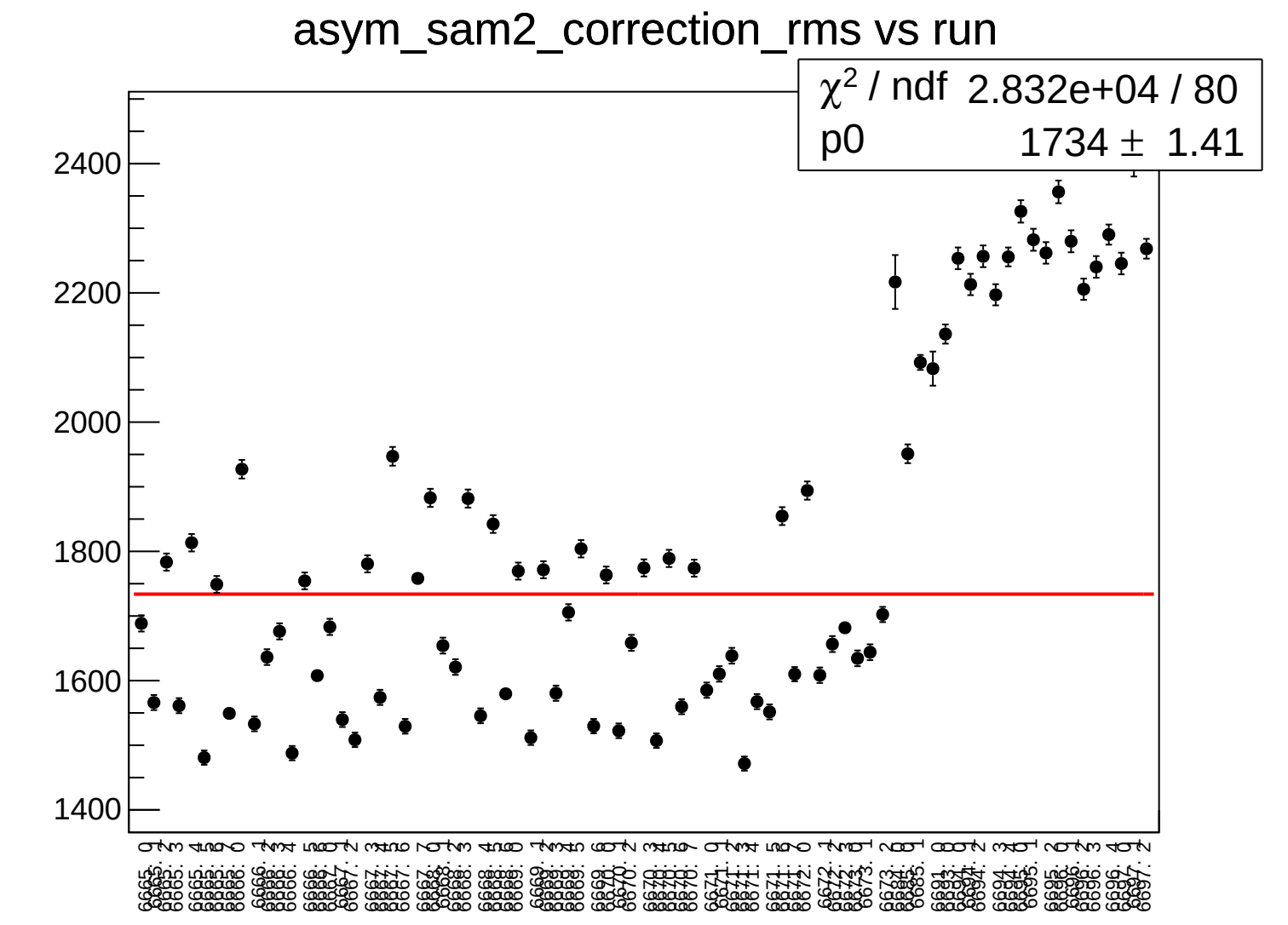

dit_asym_sam2_mean vs run
χ² / ndf 80.66 / 80
p0 −104.3 ± 276.3
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 39.04
Std Dev 73.08
2
1
0
−1
−2

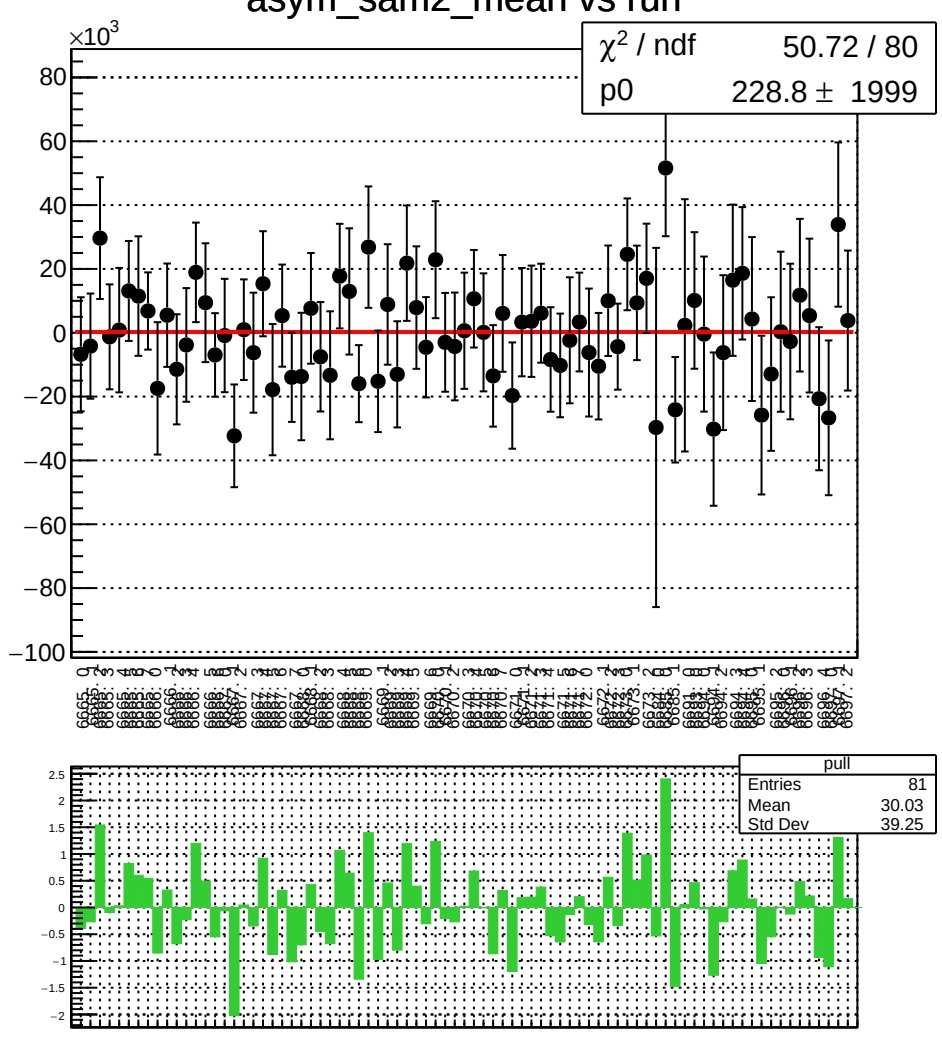

pull1D
Entries 81
Mean 0.00873
Std Dev 0.9979
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

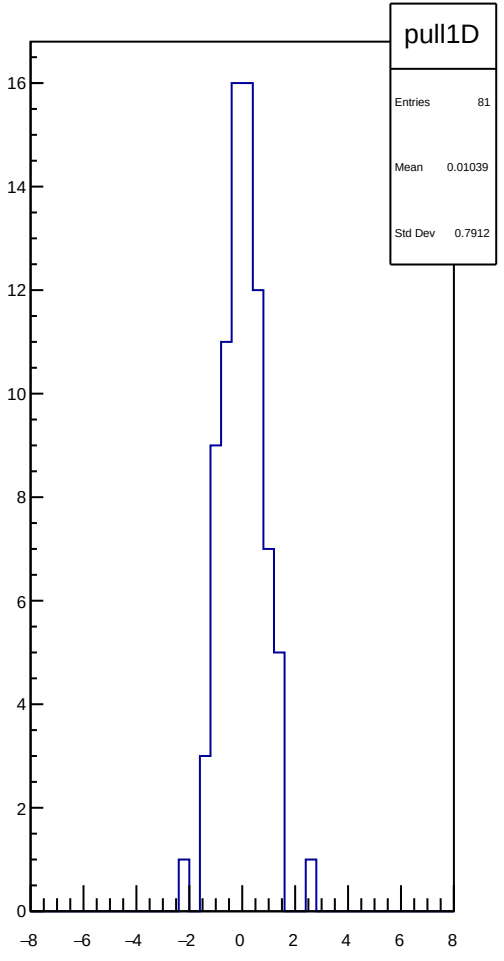

dit_asym_sam2_rms vs run
χ² / ndf 5296 / 80
p0 242 ± 0.1953
300
280
260
240
220

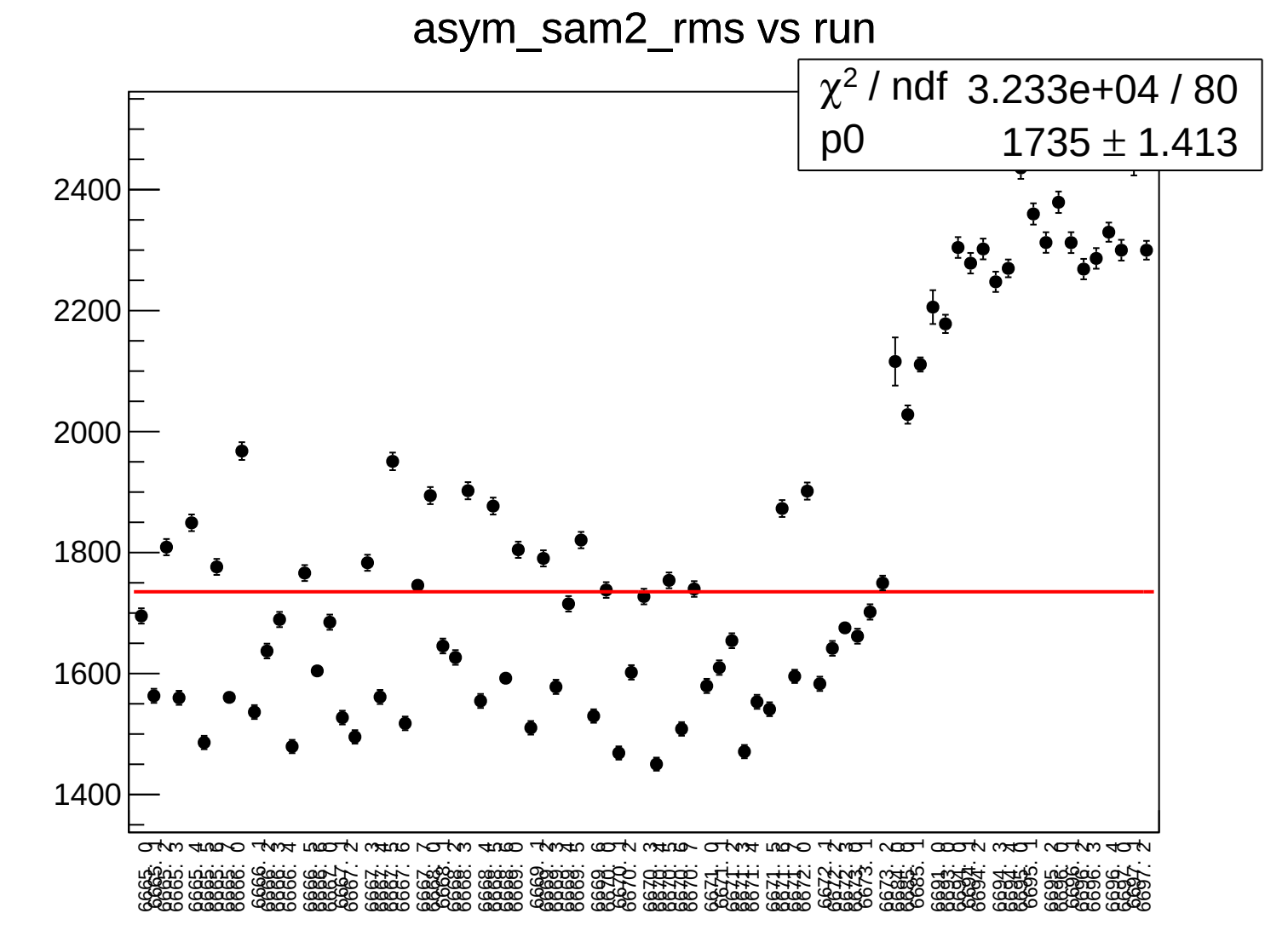

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 46.01 / 80
p0 −403 ± 1994
pull
Entries 81
Mean 30.36
Std Dev 32.13

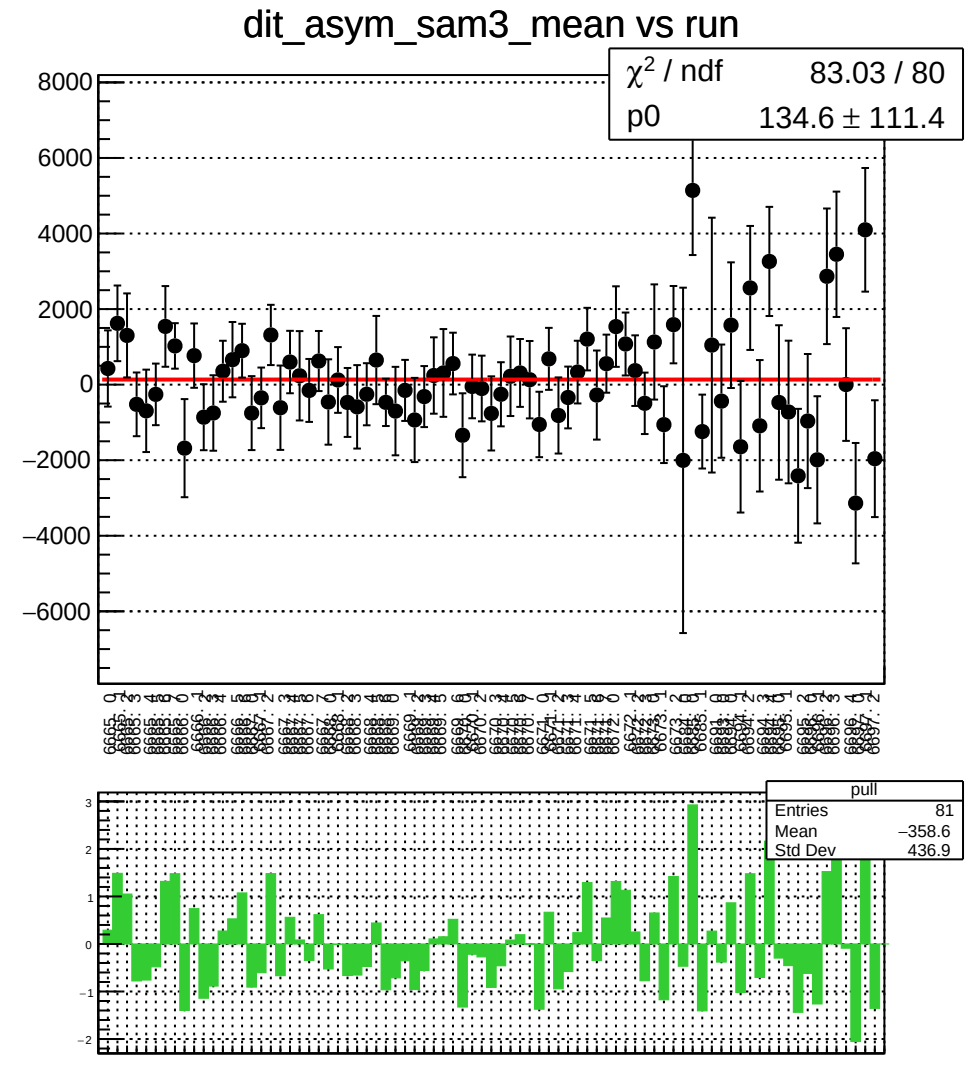

pull1D
Entries 81
Mean −0.007342
Std Dev 0.7537

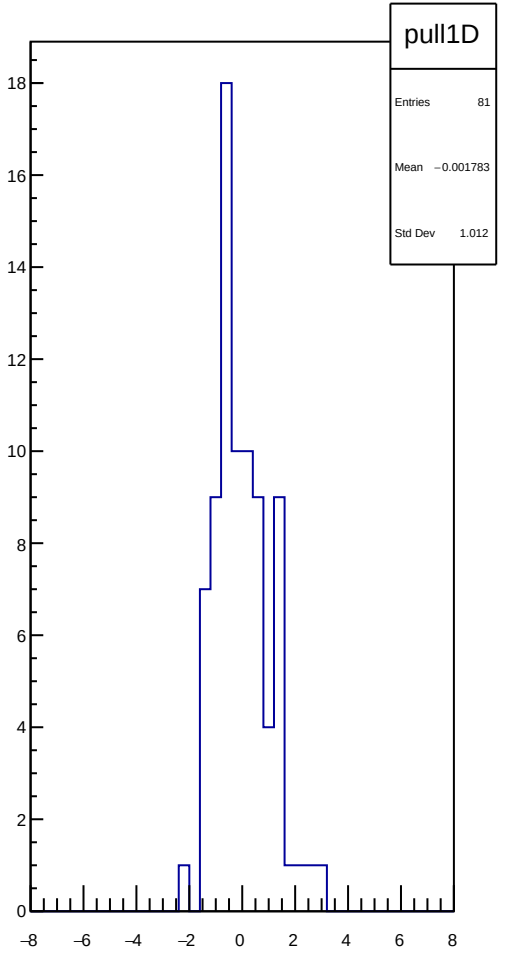

asym_sam2_correction_rms vs run
χ² / ndf 2.832e+04 / 80
p0 1734 ± 1.41
2400
2200
2000
1800
1600
1400

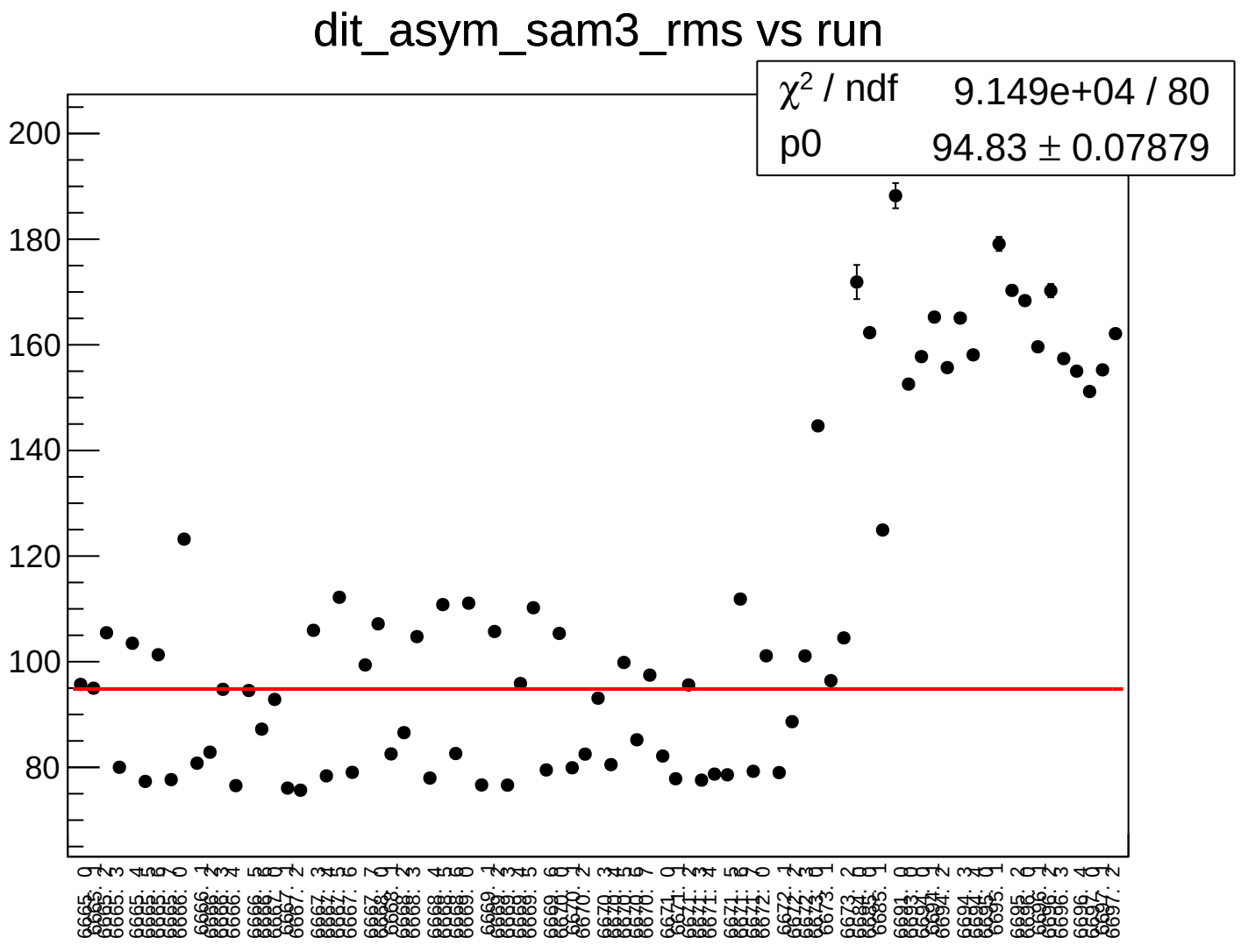

asym_sam2_mean vs run
×10^3
χ² / ndf 50.72 / 80
p0 228.8 ± 1999
pull
Entries 81
Mean 30.03
Std Dev 39.25

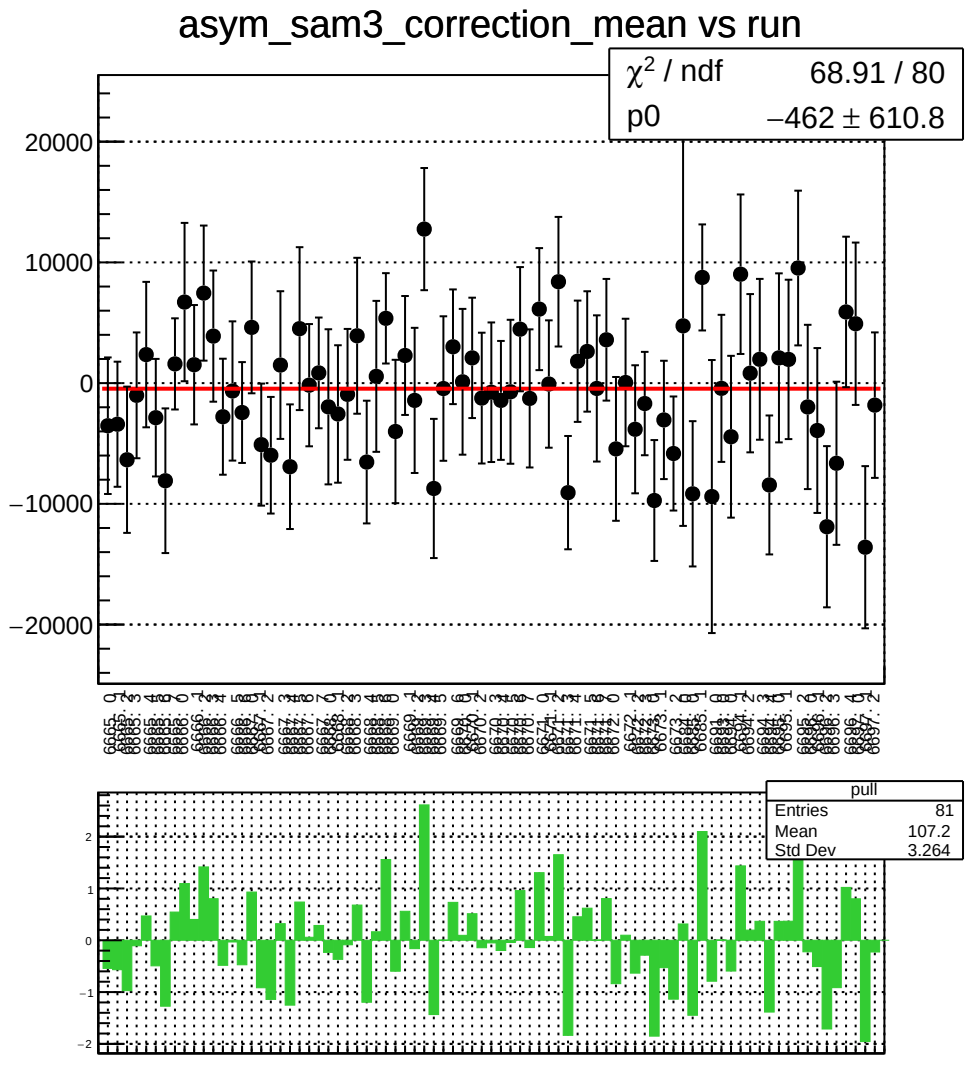

pull1D
Entries 81
Mean 0.01039
Std Dev 0.7912

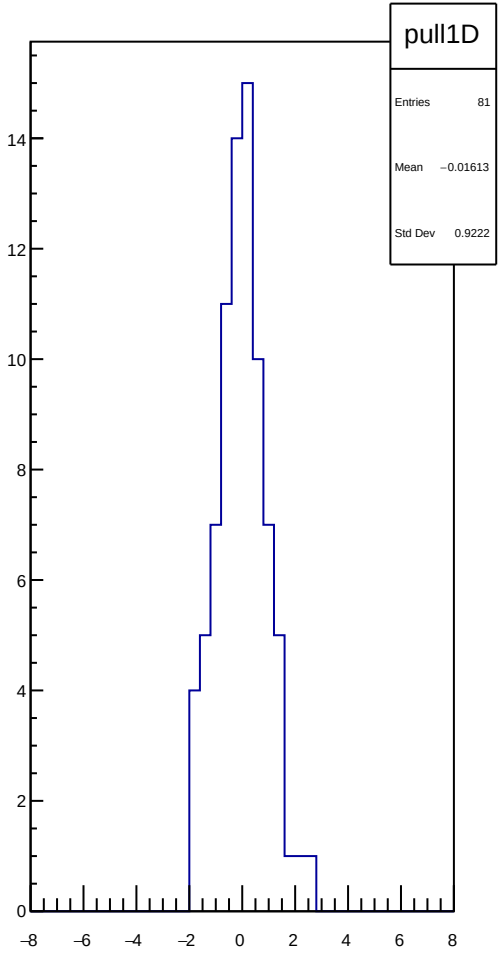

asym_sam2_rms vs run
χ² / ndf 3.233e+04 / 80
p0 1735 ± 1.413
2400
2200
2000
1800
1600
1400

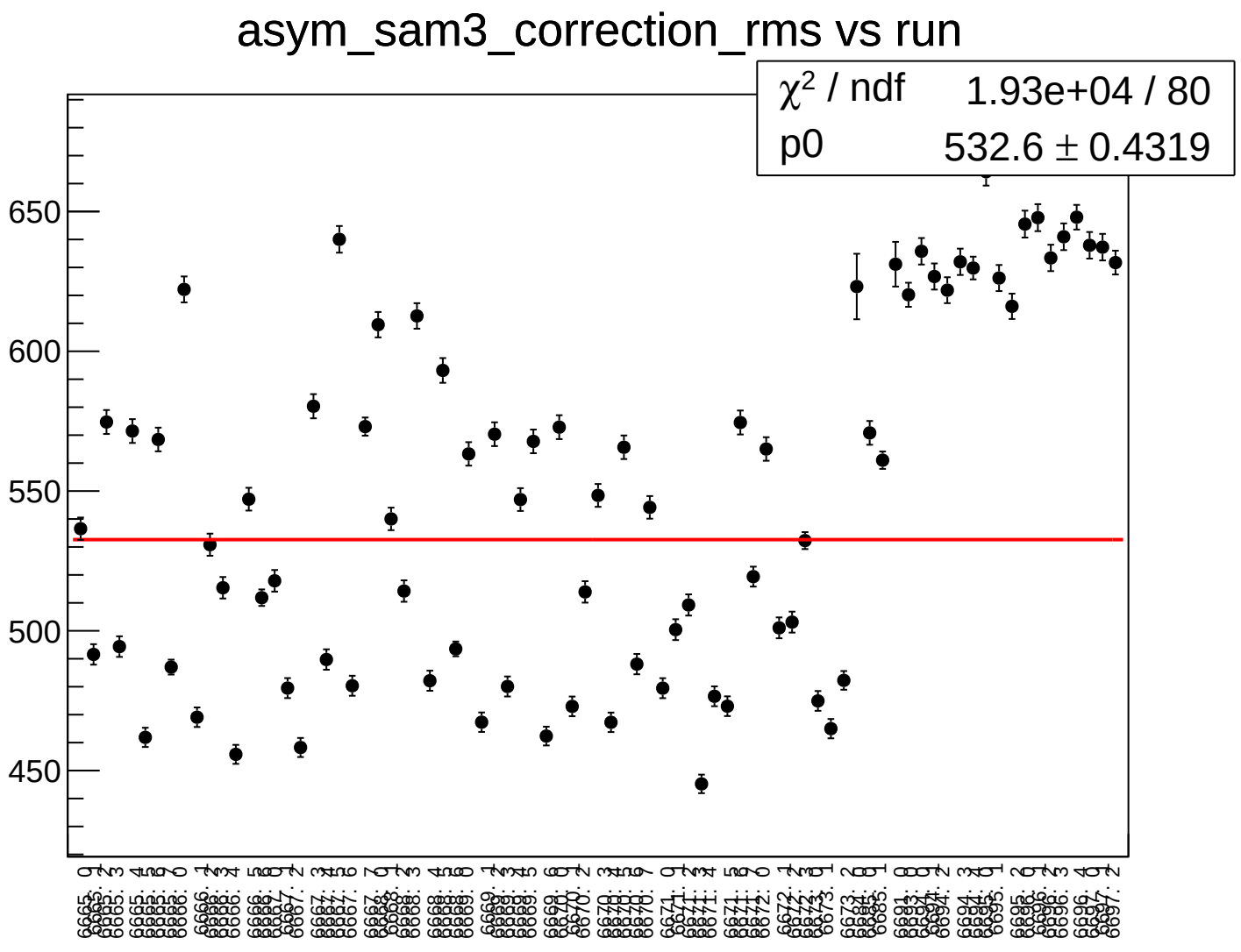

dit_asym_sam3_mean vs run
χ² / ndf 83.03 / 80
p0 134.6 ± 111.4
pull
Entries 81
Mean −358.6
Std Dev 436.9

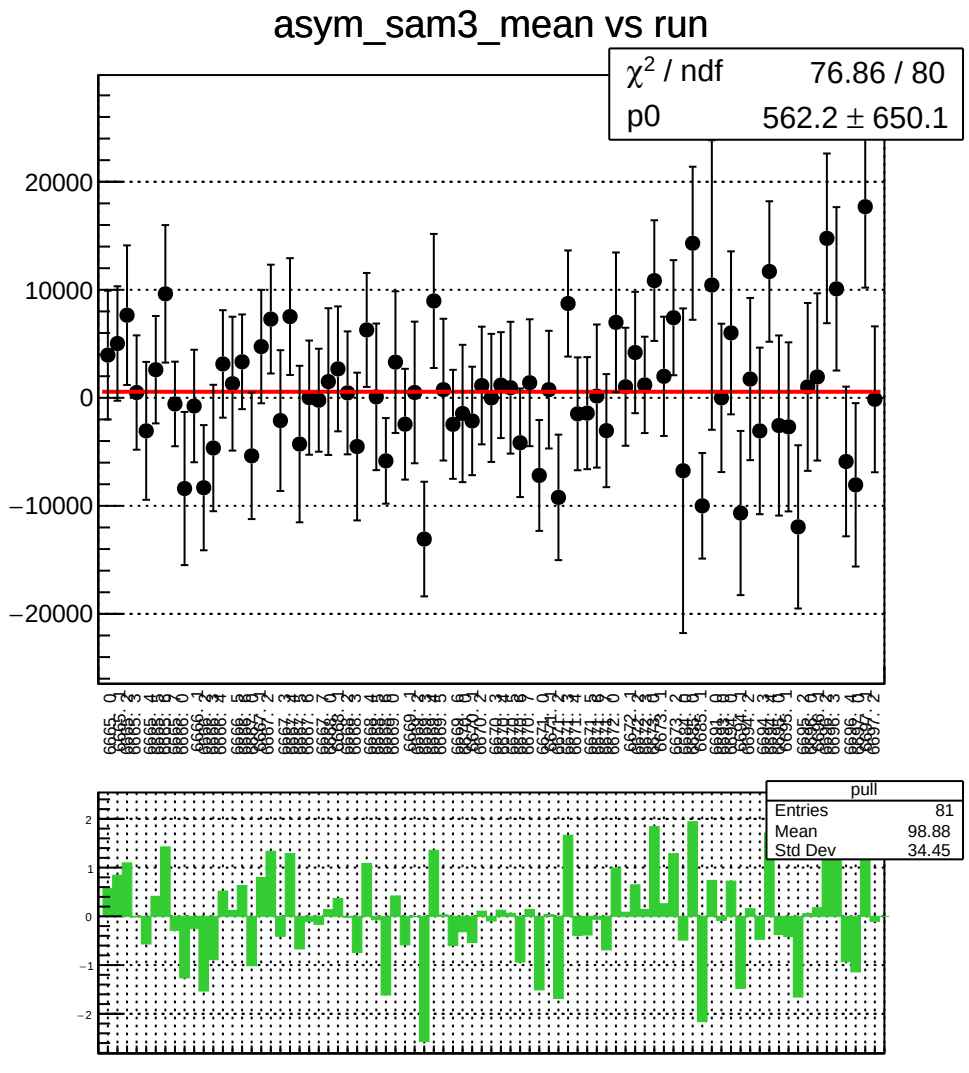

pull1D
Entries 81
Mean −0.001783
Std Dev 1.012

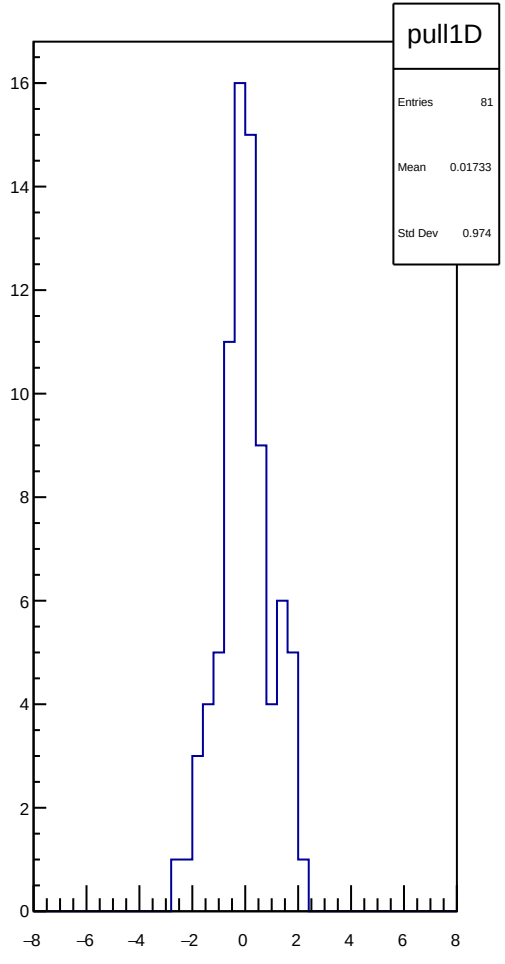

dit_asym_sam3_rms vs run
$\chi^2$ / ndf 9.149e+04 / 80
p0 94.83 ± 0.07879
200
180
160
140
120
100
80

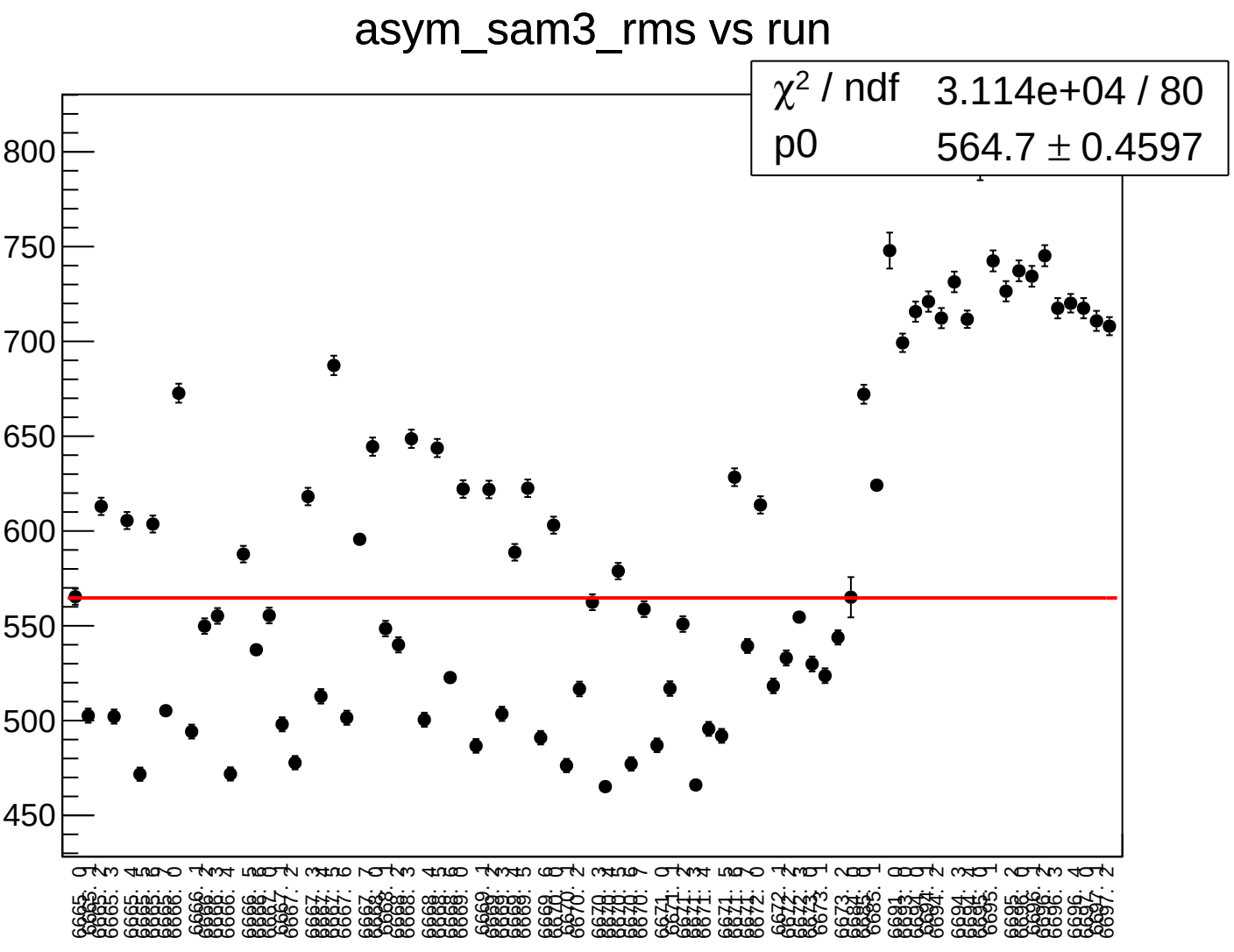

asym_sam3_correction_mean vs run
χ² / ndf 68.91 / 80
p0 −462 ± 610.8
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 107.2
Std Dev 3.264
2
1
0
−1
−2

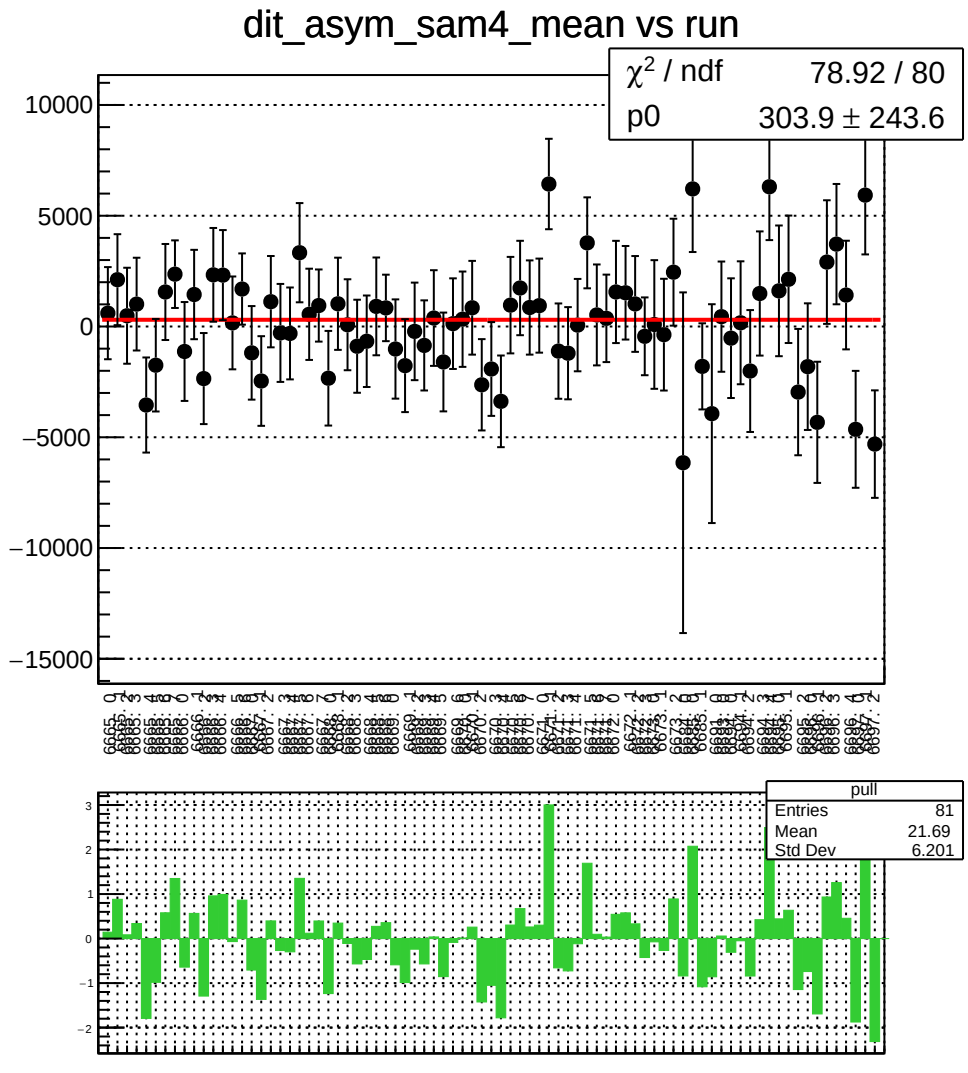

pull1D
Entries 81
Mean −0.01613
Std Dev 0.9222
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

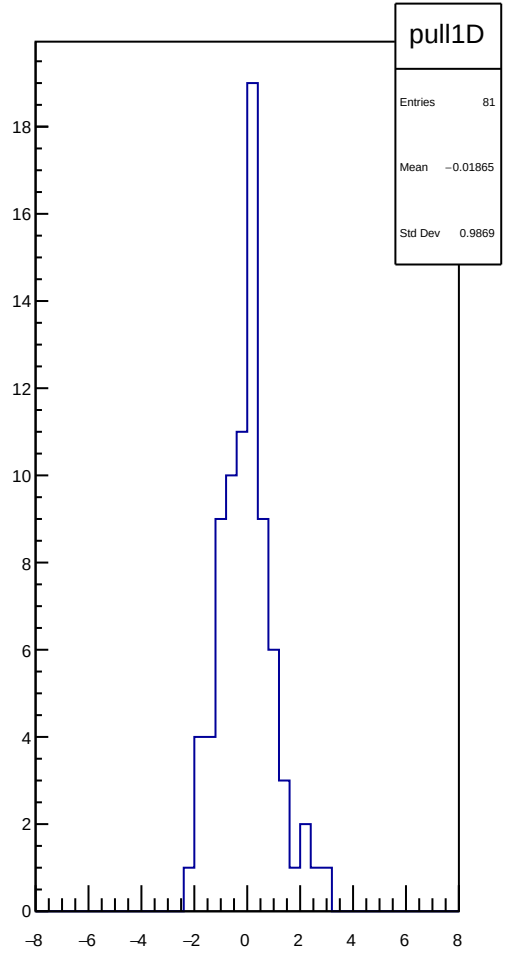

asym_sam3_correction_rms vs run
χ² / ndf 1.93e+04 / 80
p0 532.6 ± 0.4319
650
600
550
500
450

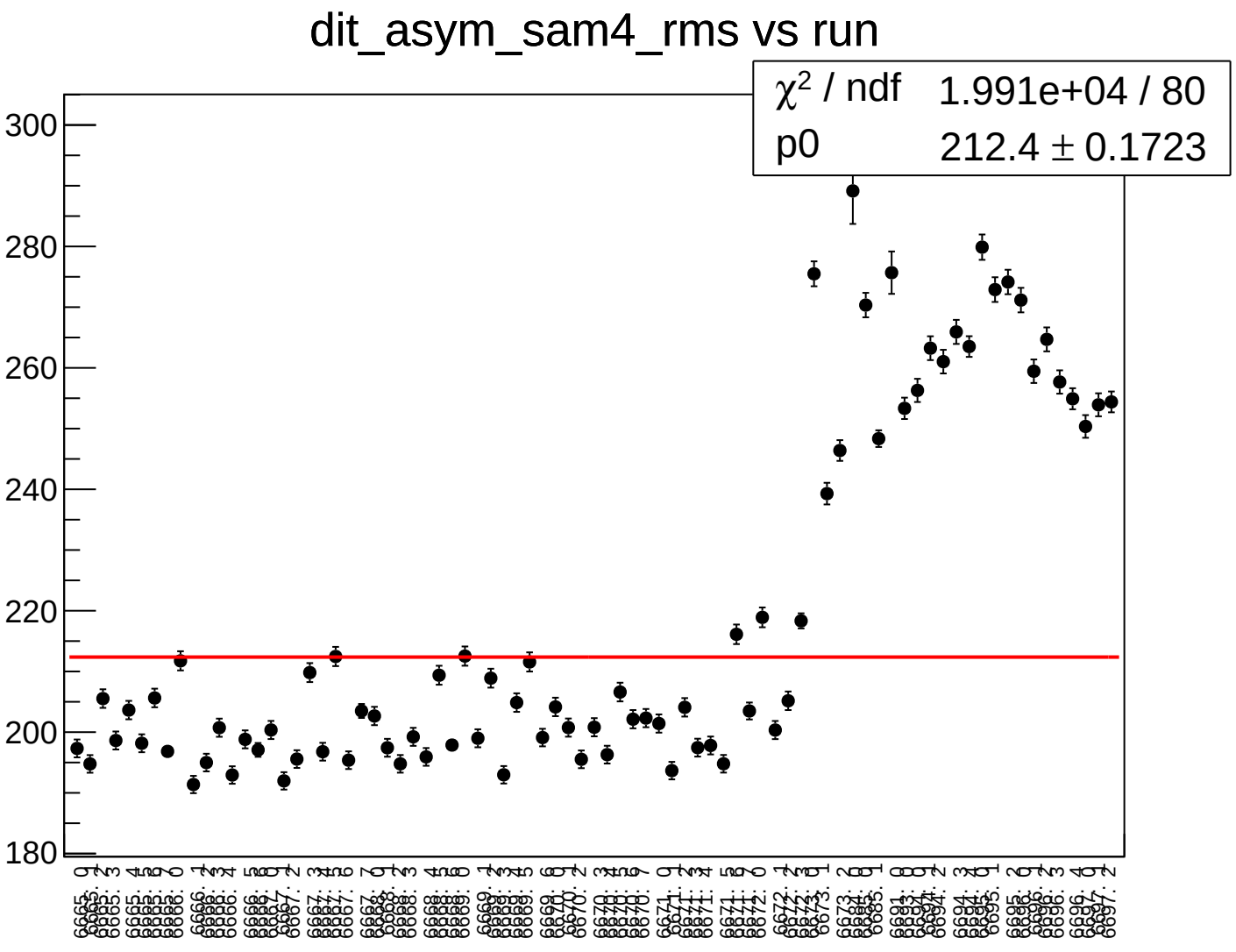

asym_sam3_mean vs run
χ² / ndf 76.86 / 80
p0 562.2 ± 650.1
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 98.88
Std Dev 34.45
2
1
0
−1
−2

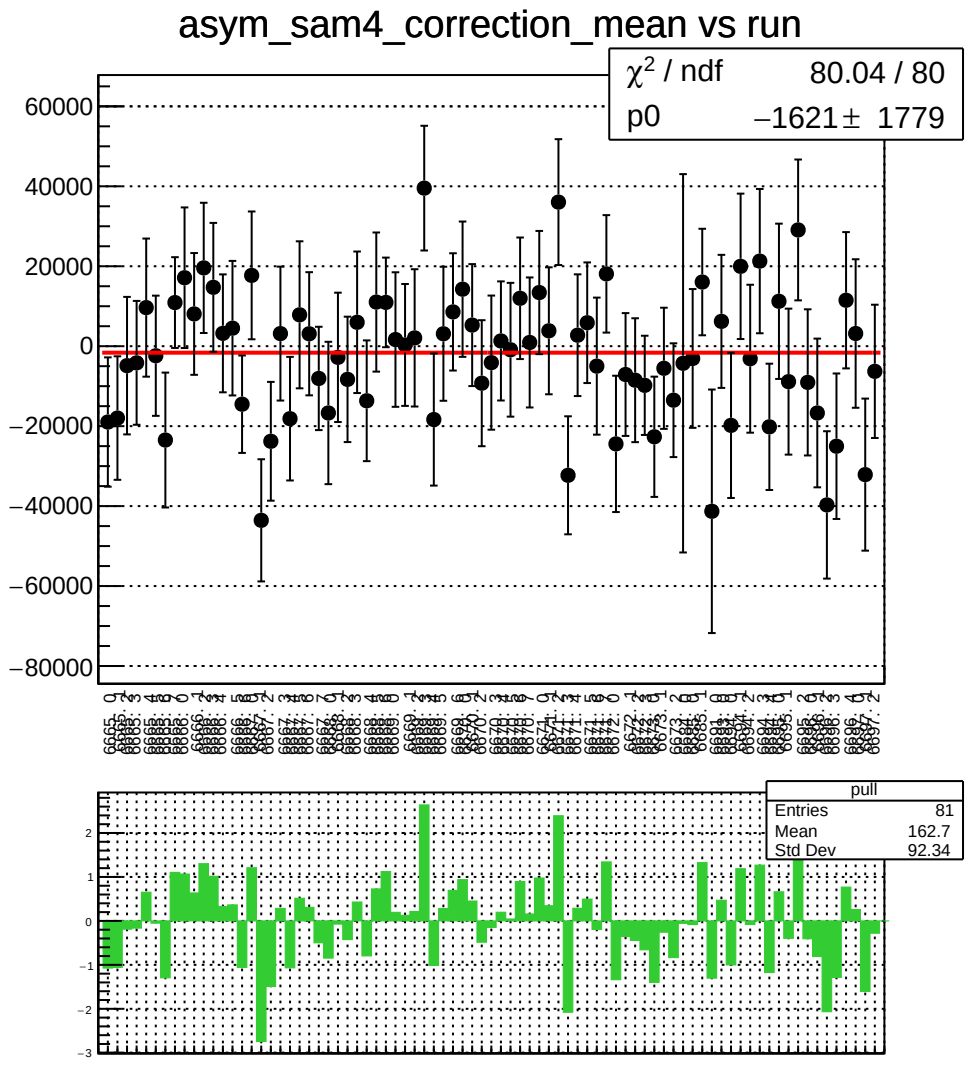

pull1D
Entries 81
Mean 0.01733
Std Dev 0.974
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

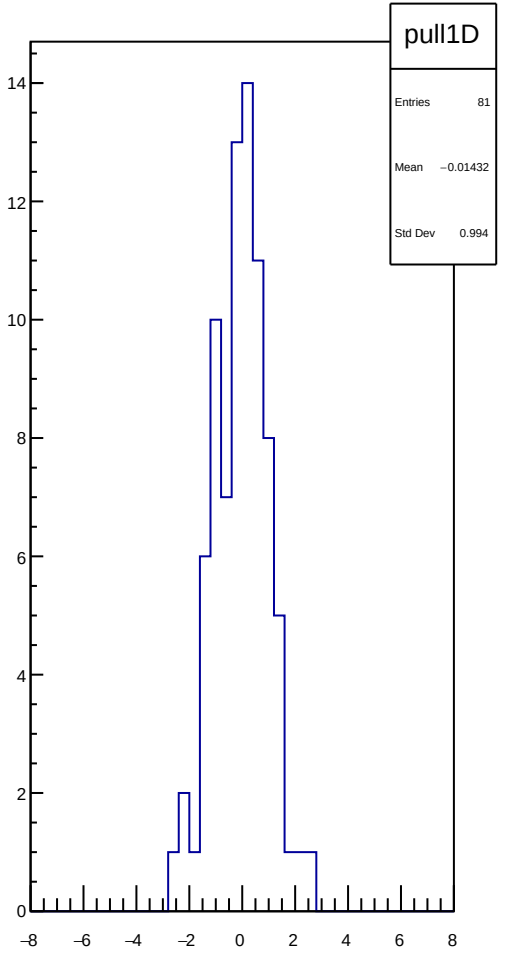

asym_sam3_rms vs run
χ² / ndf 3.114e+04 / 80
p0 564.7 ± 0.4597
800
750
700
650
600
550
500
450

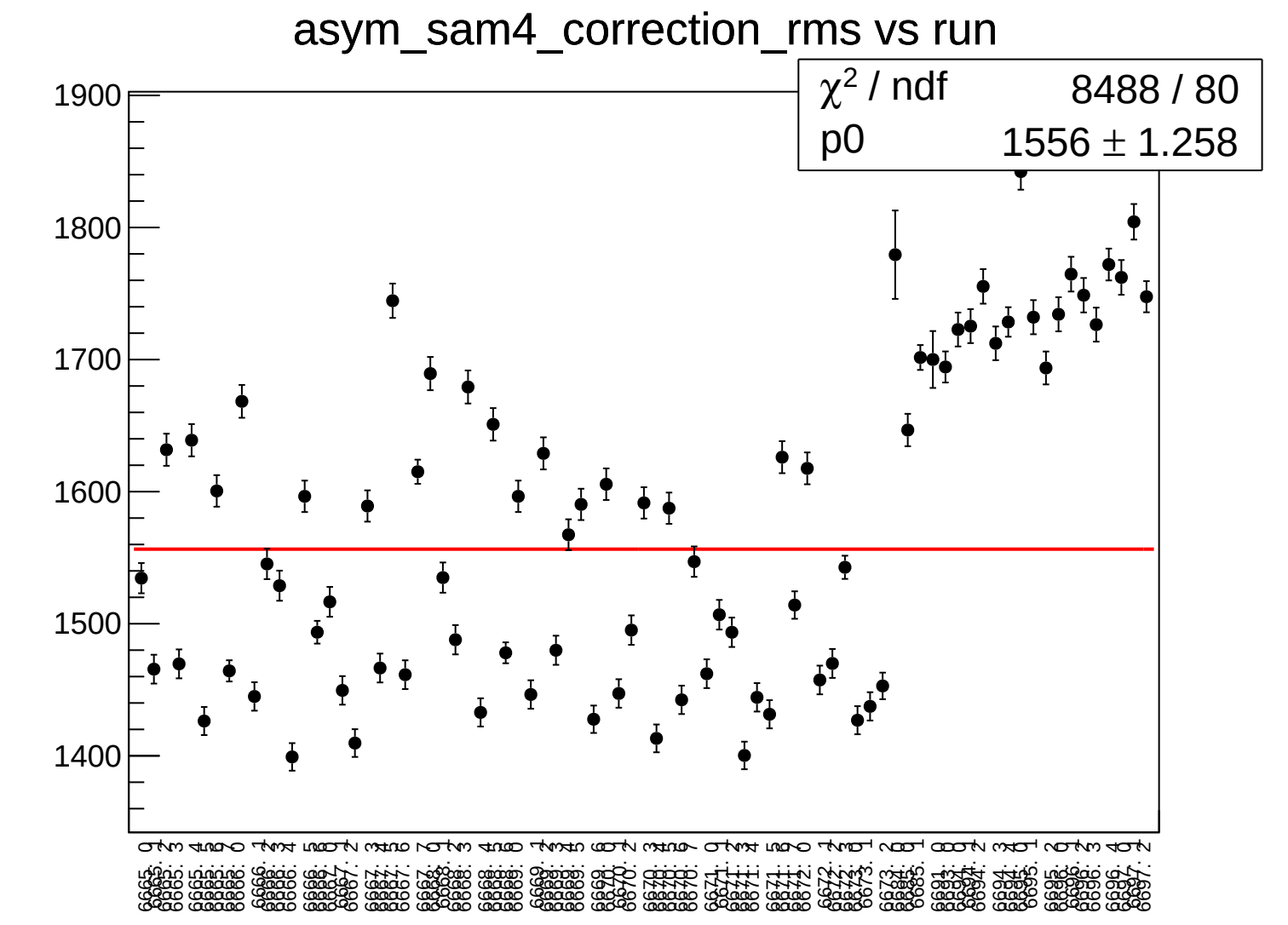

dit_asym_sam4_mean vs run
χ² / ndf 78.92 / 80
p0 303.9 ± 243.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 21.69
Std Dev 6.201
3
2
1
0
−1
−2

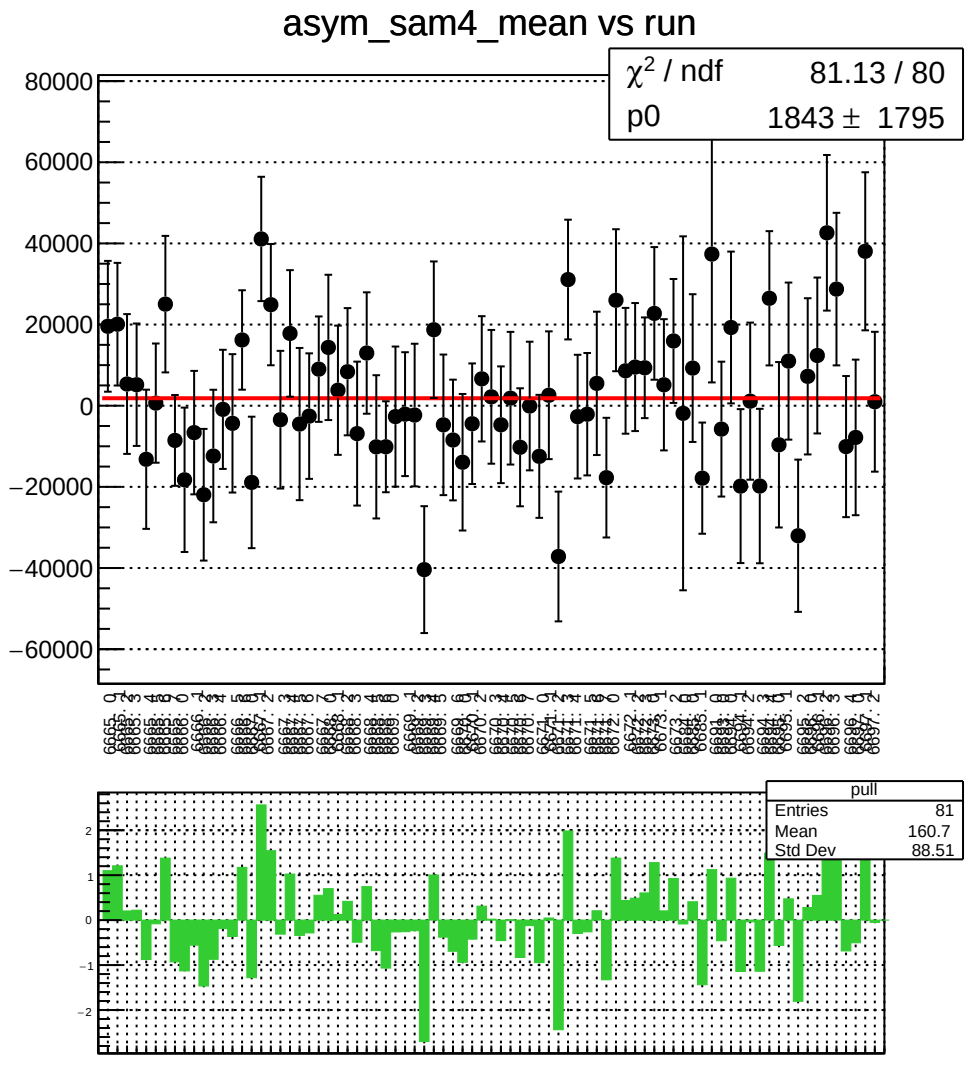

pull1D
Entries 81
Mean −0.01865
Std Dev 0.9869
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

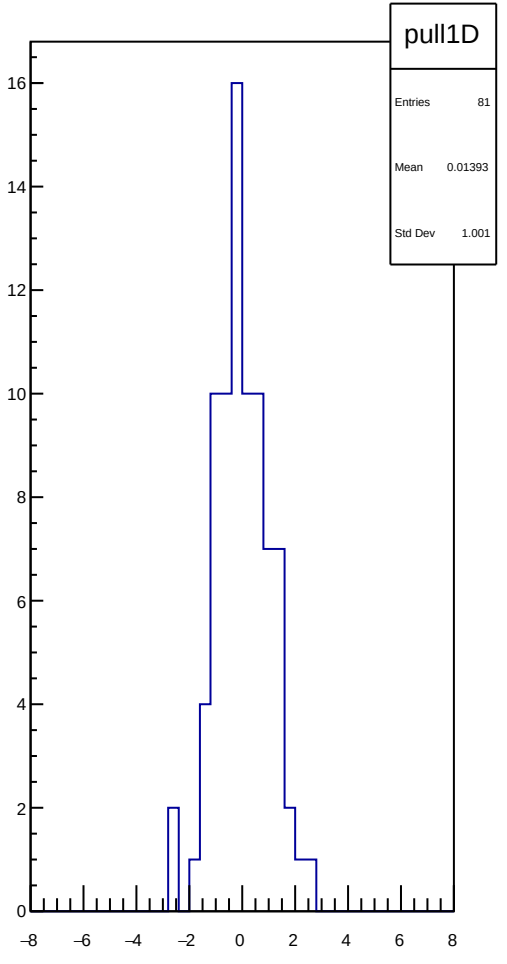

dit_asym_sam4_rms vs run
χ² / ndf 1.991e+04 / 80
p0 212.4 ± 0.1723
300
280
260
240
220
200
180

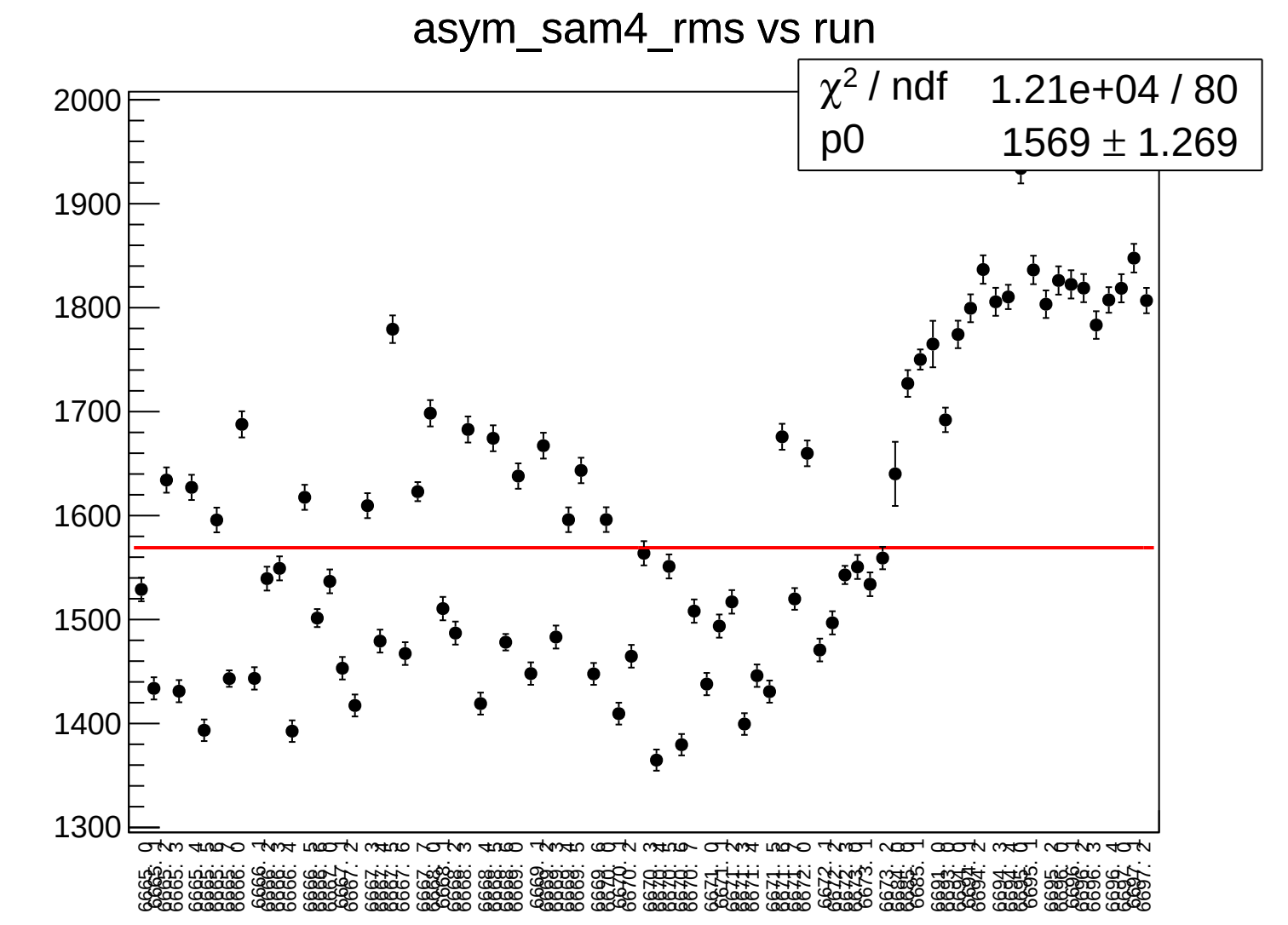

asym_sam4_correction_mean vs run
χ² / ndf 80.04 / 80
p0 −1621 ± 1779
pull
Entries 81
Mean 162.7
Std Dev 92.34

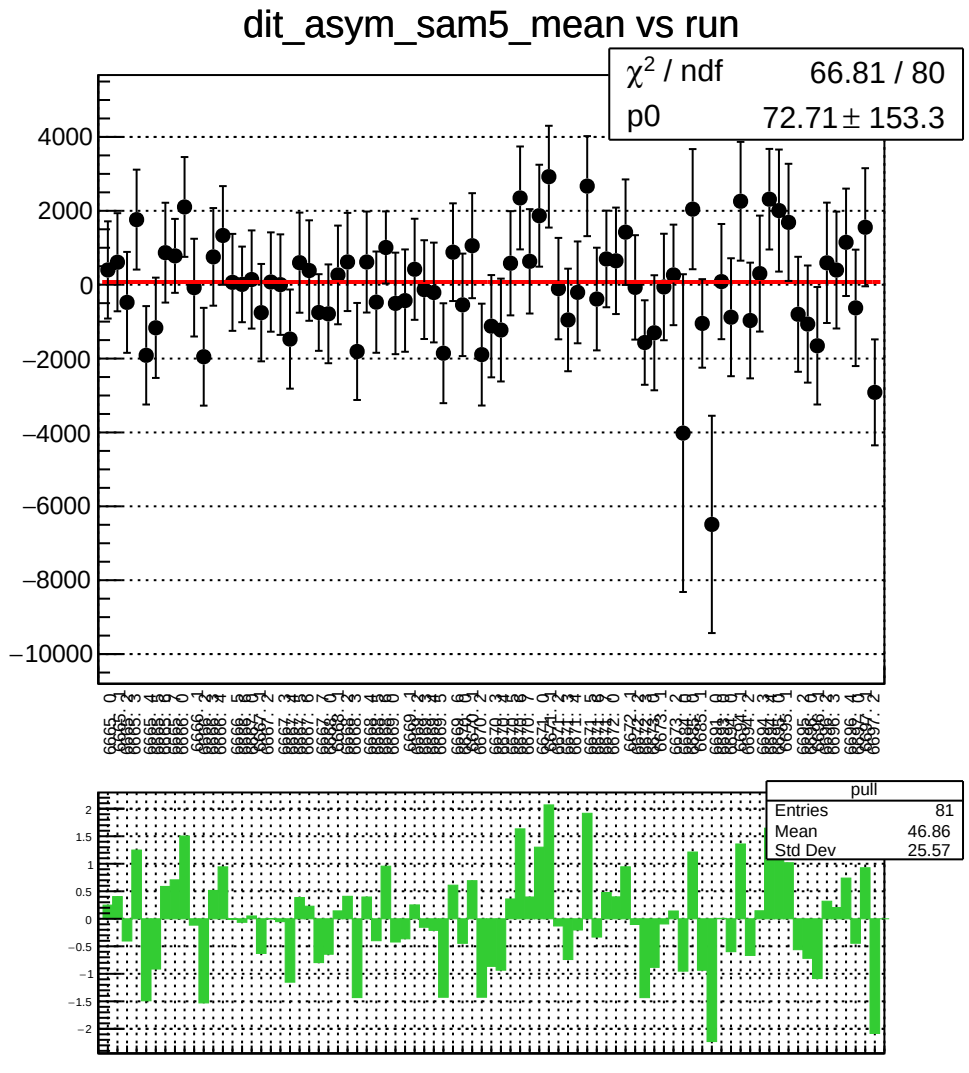

pull1D
Entries 81
Mean −0.01432
Std Dev 0.994

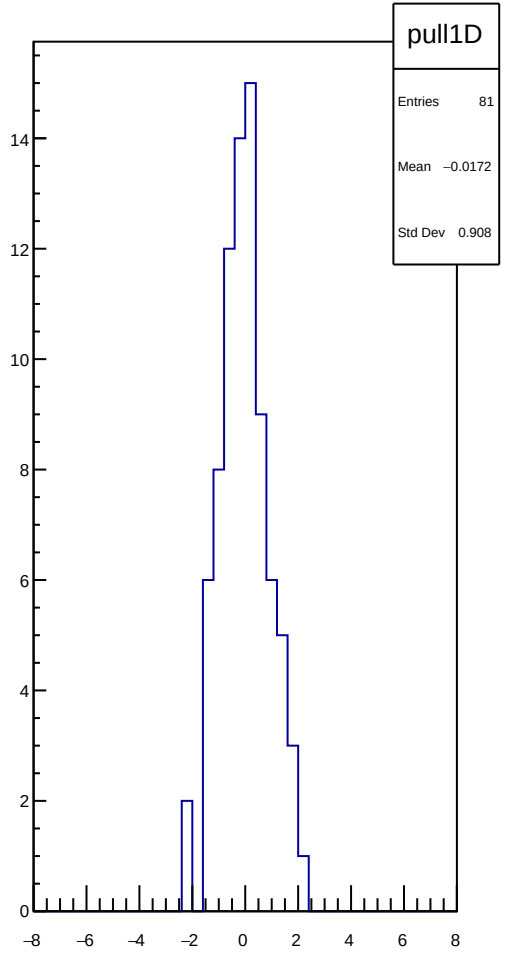

asym_sam4_correction_rms vs run
χ² / ndf 8488 / 80
p0 1556 ± 1.258
1900
1800
1700
1600
1500
1400

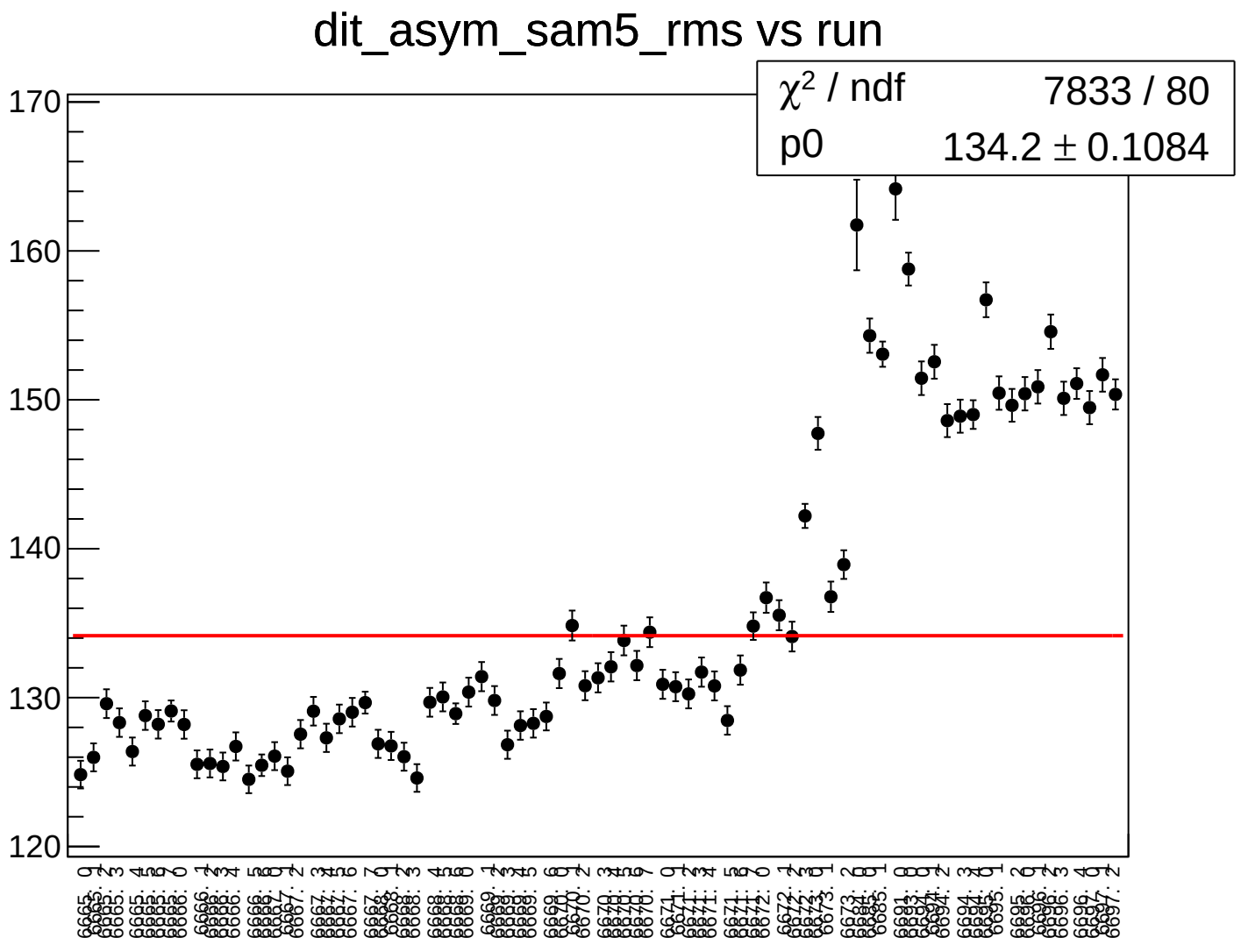

asym_sam4_mean vs run
χ² / ndf 81.13 / 80
p0 1843 ± 1795
pull
Entries 81
Mean 160.7
Std Dev 88.51

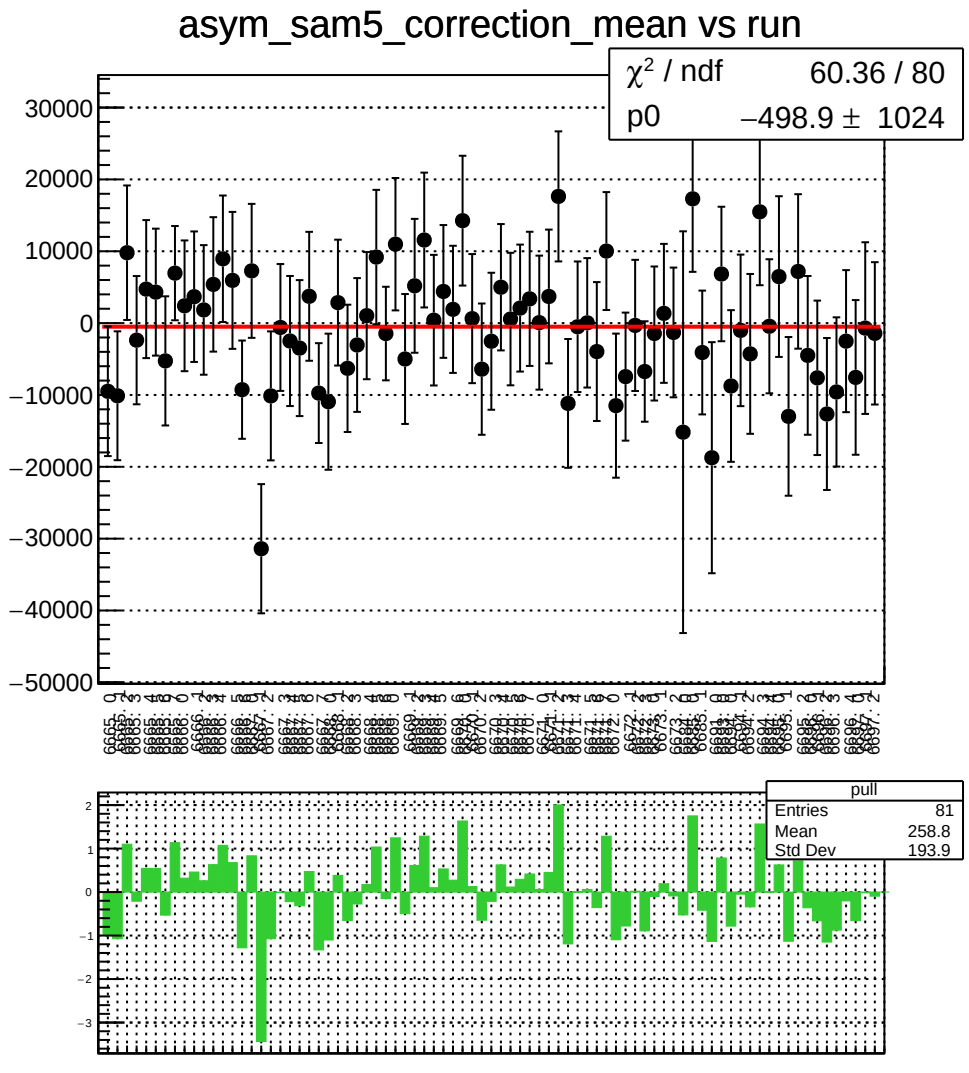

pull1D
Entries 81
Mean 0.01393
Std Dev 1.001

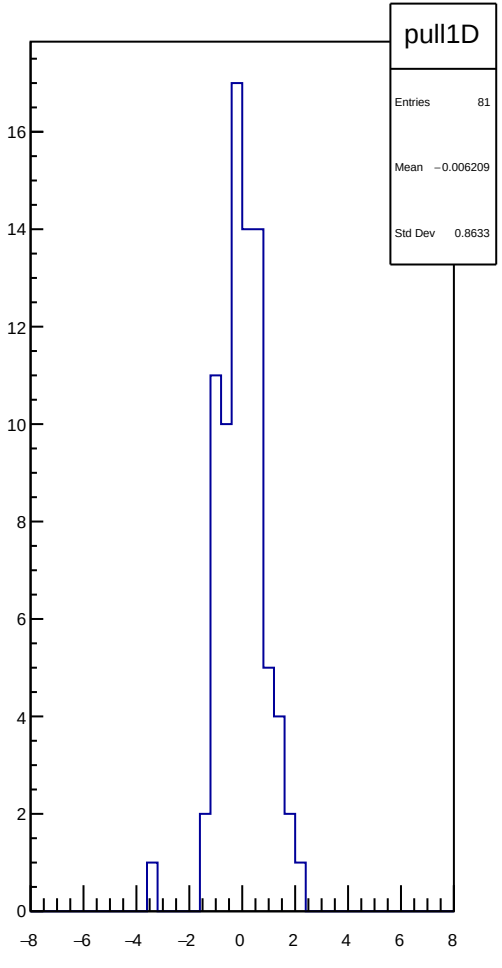

asym_sam4_rms vs run
χ² / ndf 1.21e+04 / 80
p0 1569 ± 1.269
2000
1900
1800
1700
1600
1500
1400
1300

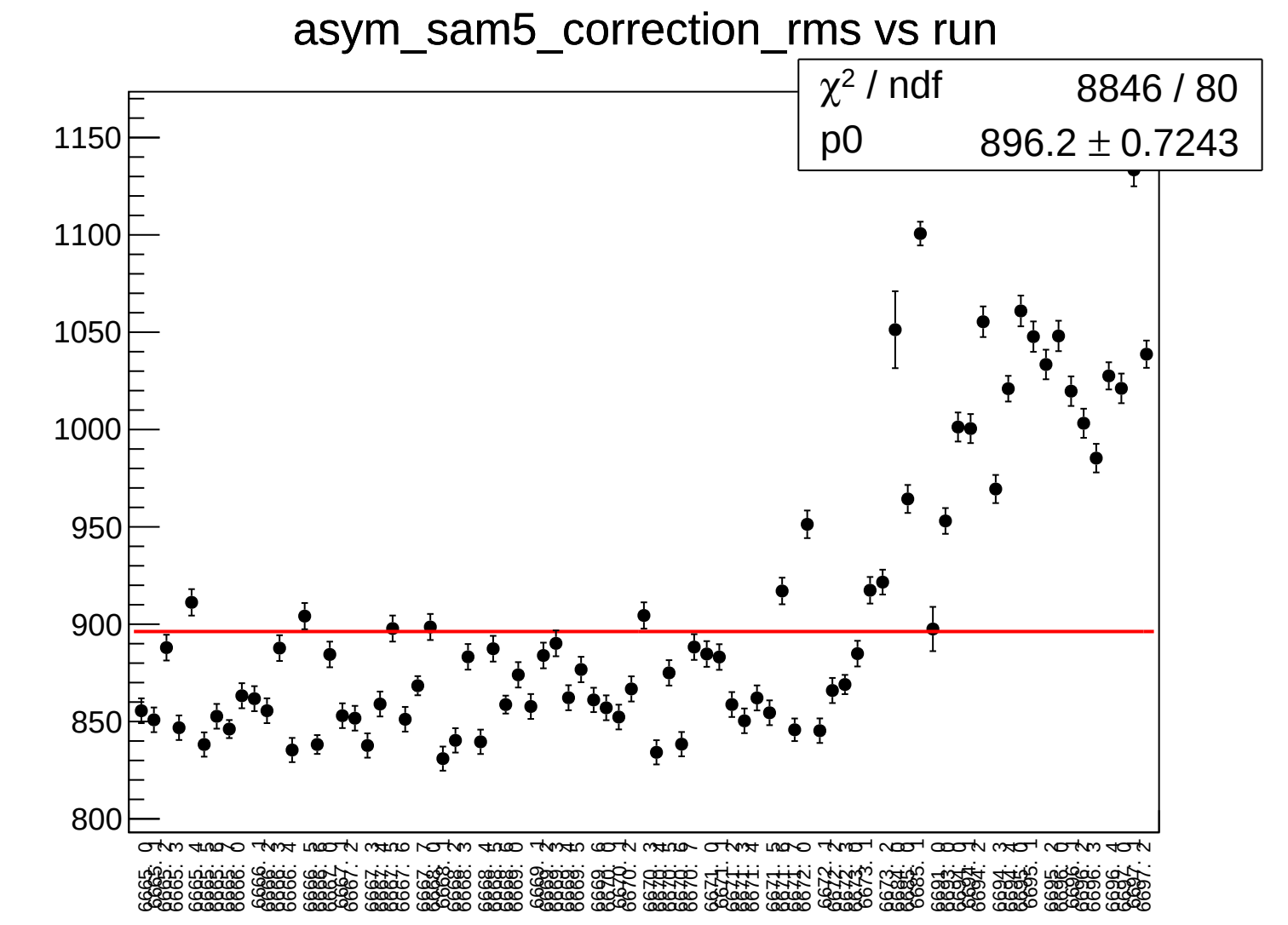

dit_asym_sam5_mean vs run
χ² / ndf 66.81 / 80
p0 72.71 ± 153.3
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 81
Mean 46.86
Std Dev 25.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

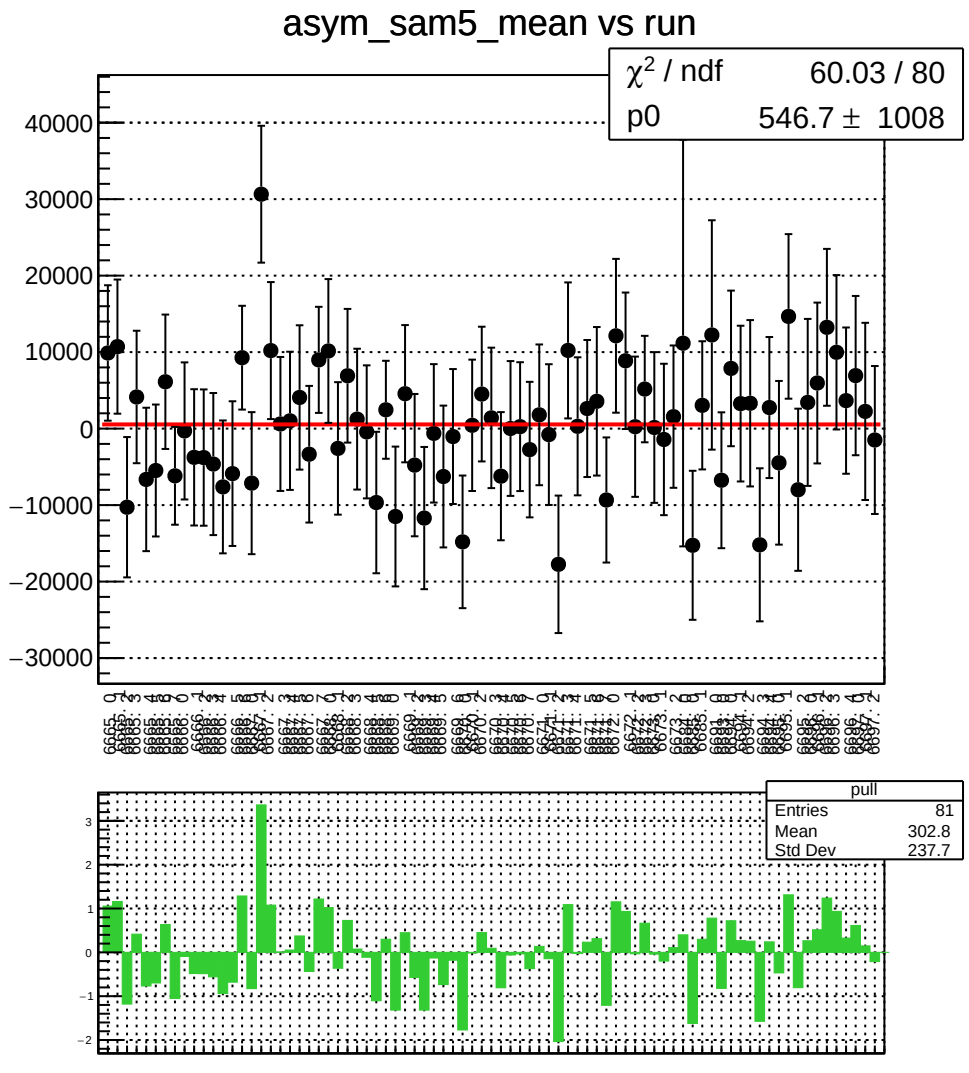

pull1D
Entries 81
Mean −0.0172
Std Dev 0.908
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

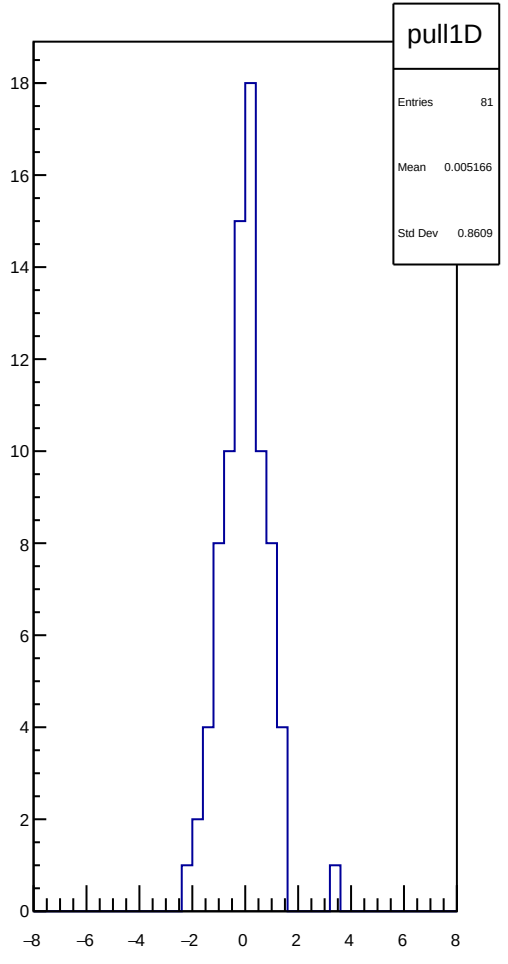

dit_asym_sam5_rms vs run
χ² / ndf 7833 / 80
p0 134.2 ± 0.1084
170
160
150
140
130
120

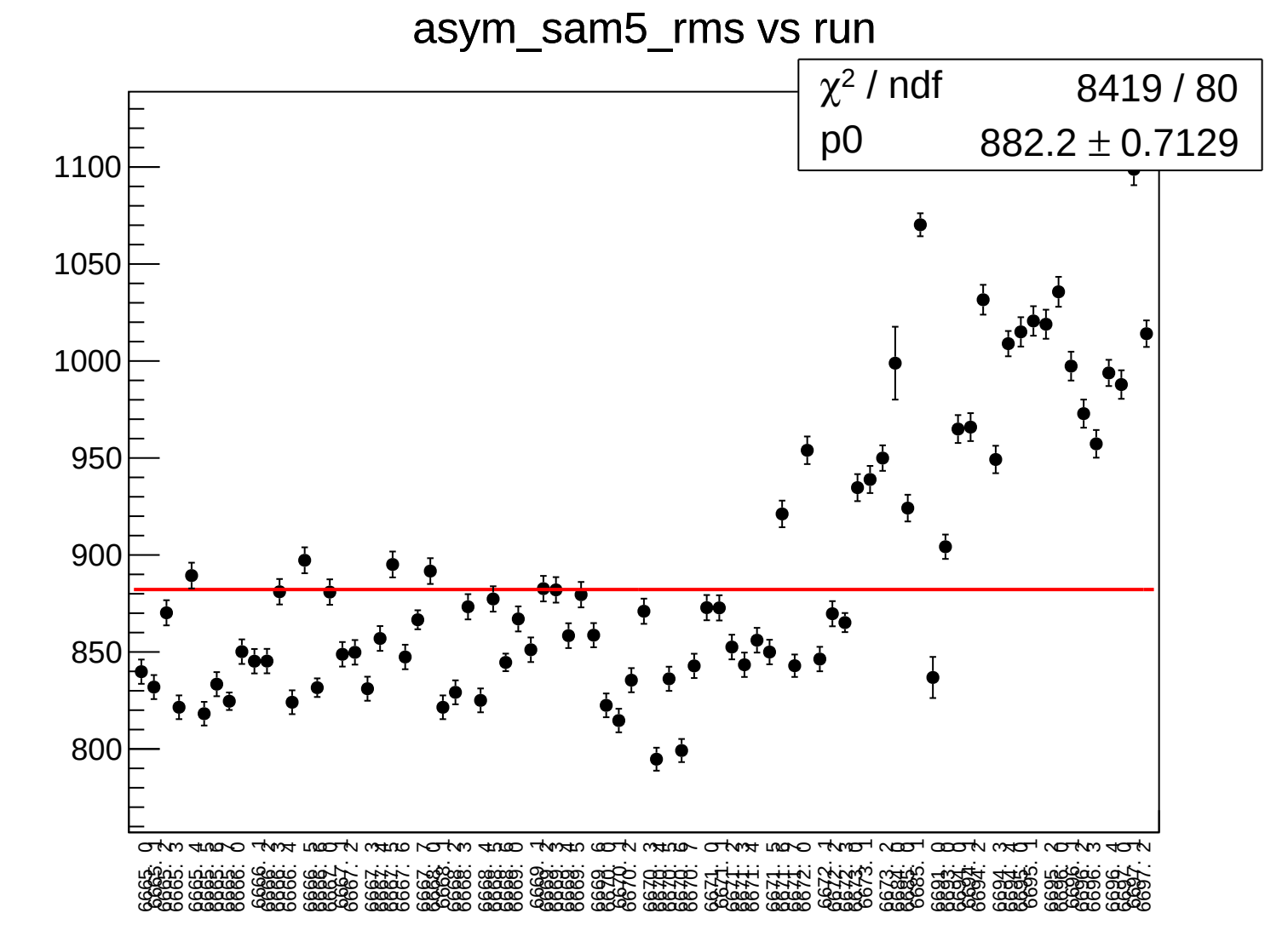

asym_sam5_correction_mean vs run
χ² / ndf 60.36 / 80
p0 −498.9 ± 1024
pull
Entries 81
Mean 258.8
Std Dev 193.9

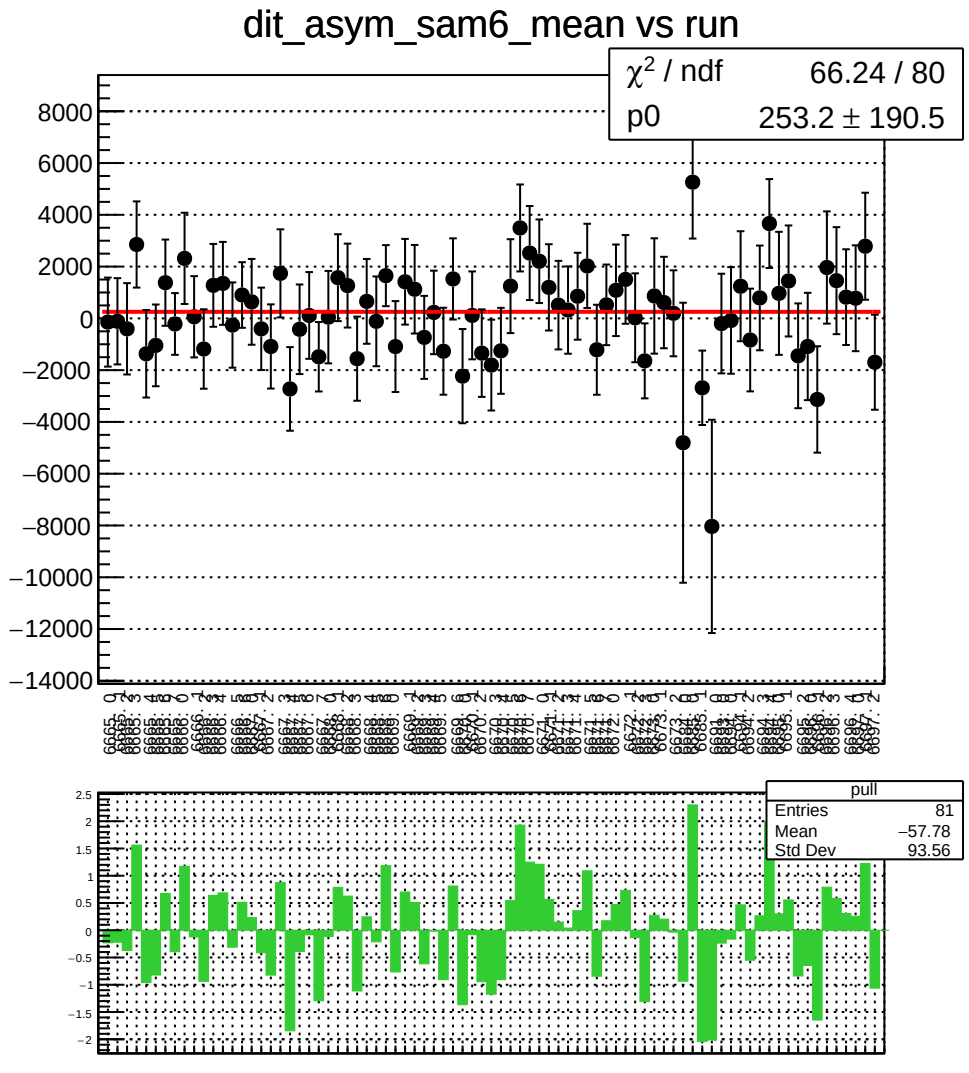

pull1D
Entries 81
Mean −0.006209
Std Dev 0.8633

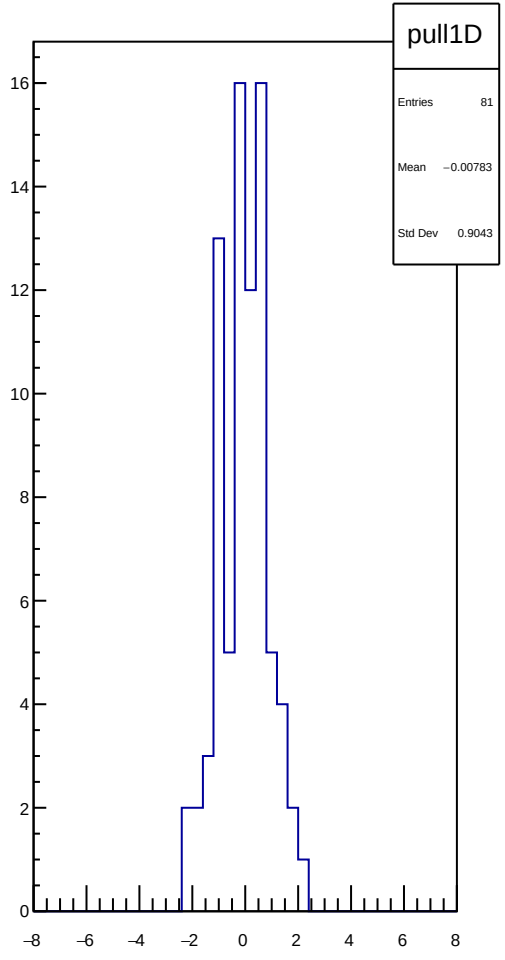

asym_sam5_correction_rms vs run
χ² / ndf 8846 / 80
p0 896.2 ± 0.7243
1150
1100
1050
1000
950
900
850
800

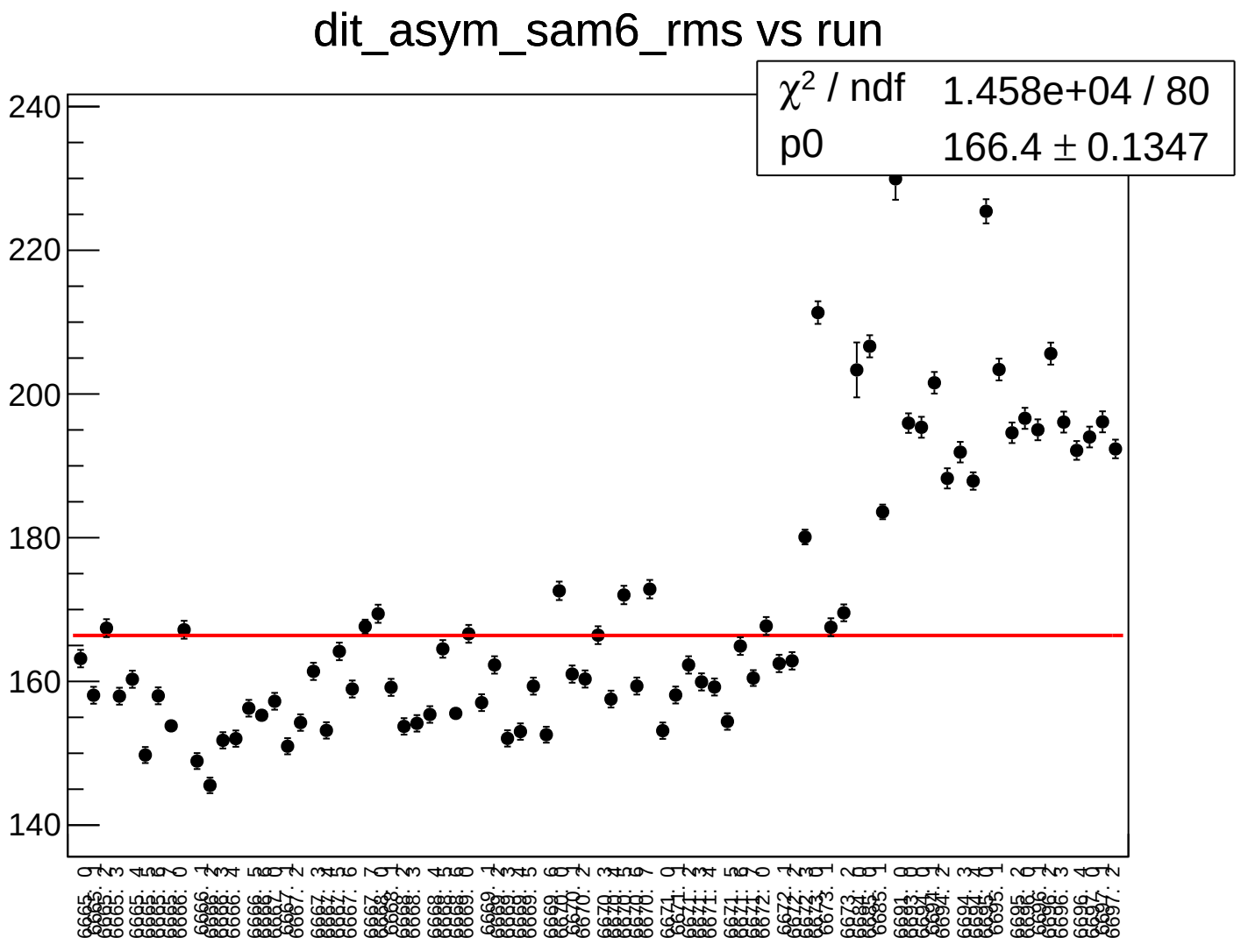

asym_sam5_mean vs run
χ² / ndf 60.03 / 80
p0 546.7 ± 1008
pull
Entries 81
Mean 302.8
Std Dev 237.7

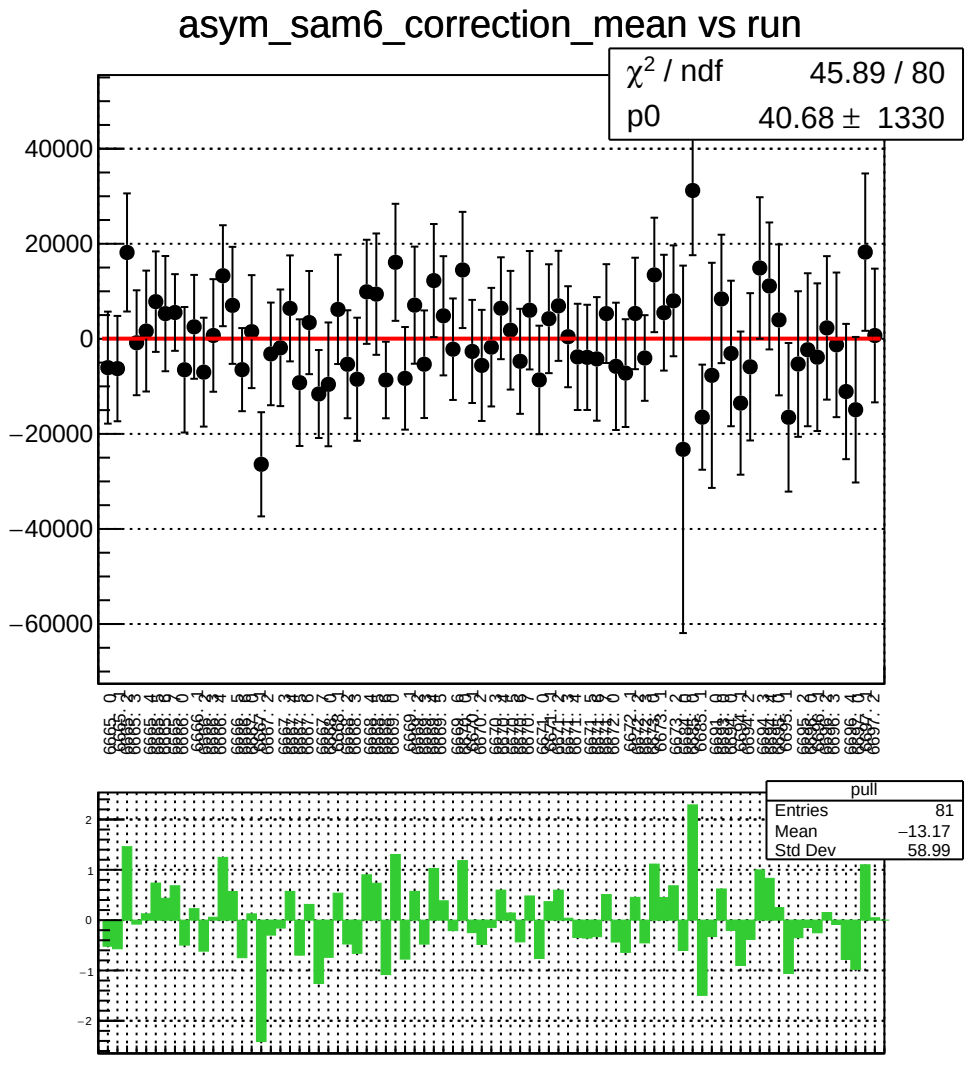

pull1D
Entries 81
Mean 0.005166
Std Dev 0.8609

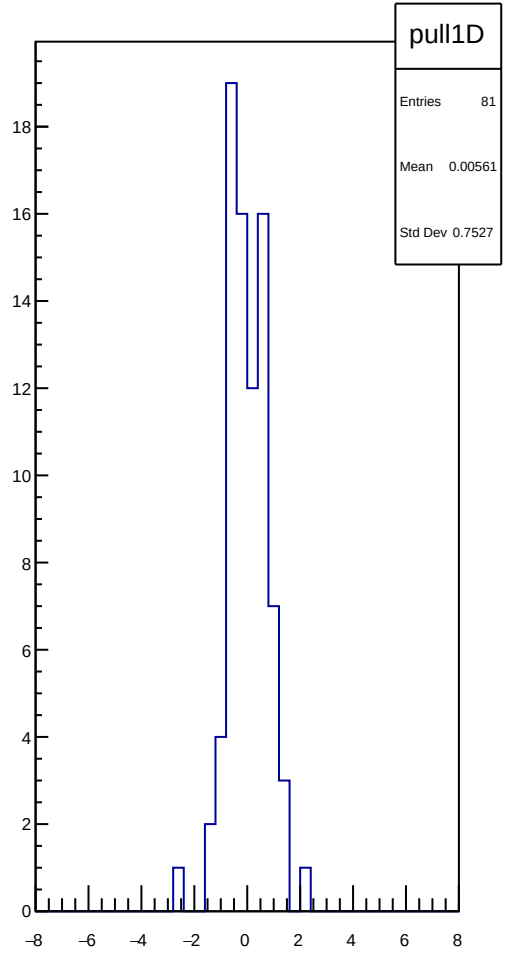

asym_sam5_rms vs run
$\chi^2$ / ndf 8419 / 80
p0 882.2 ± 0.7129
1100
1050
1000
950
900
850
800

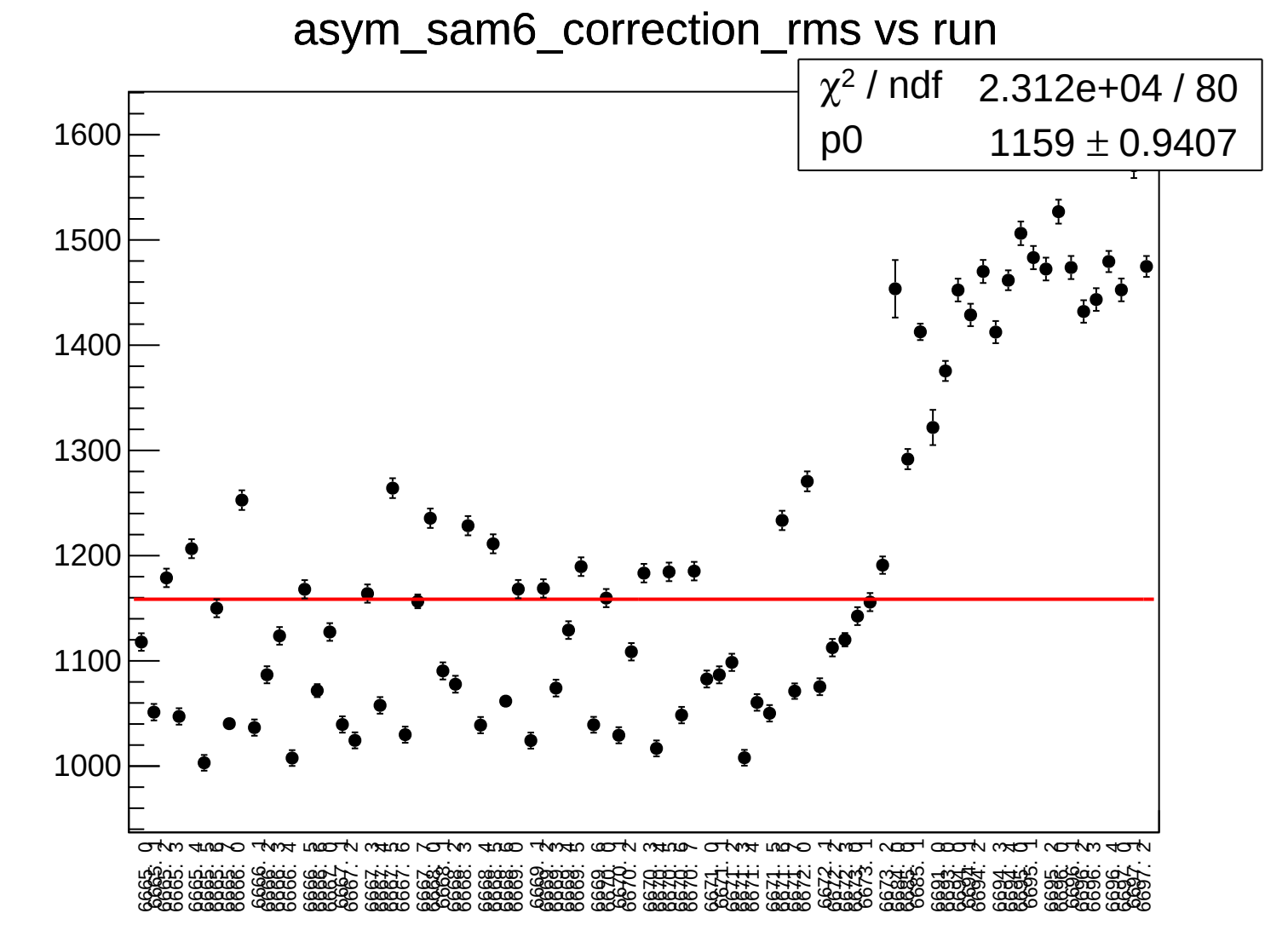

dit_asym_sam6_mean vs run
χ² / ndf 66.24 / 80
p0 253.2 ± 190.5
pull
Entries 81
Mean −57.78
Std Dev 93.56

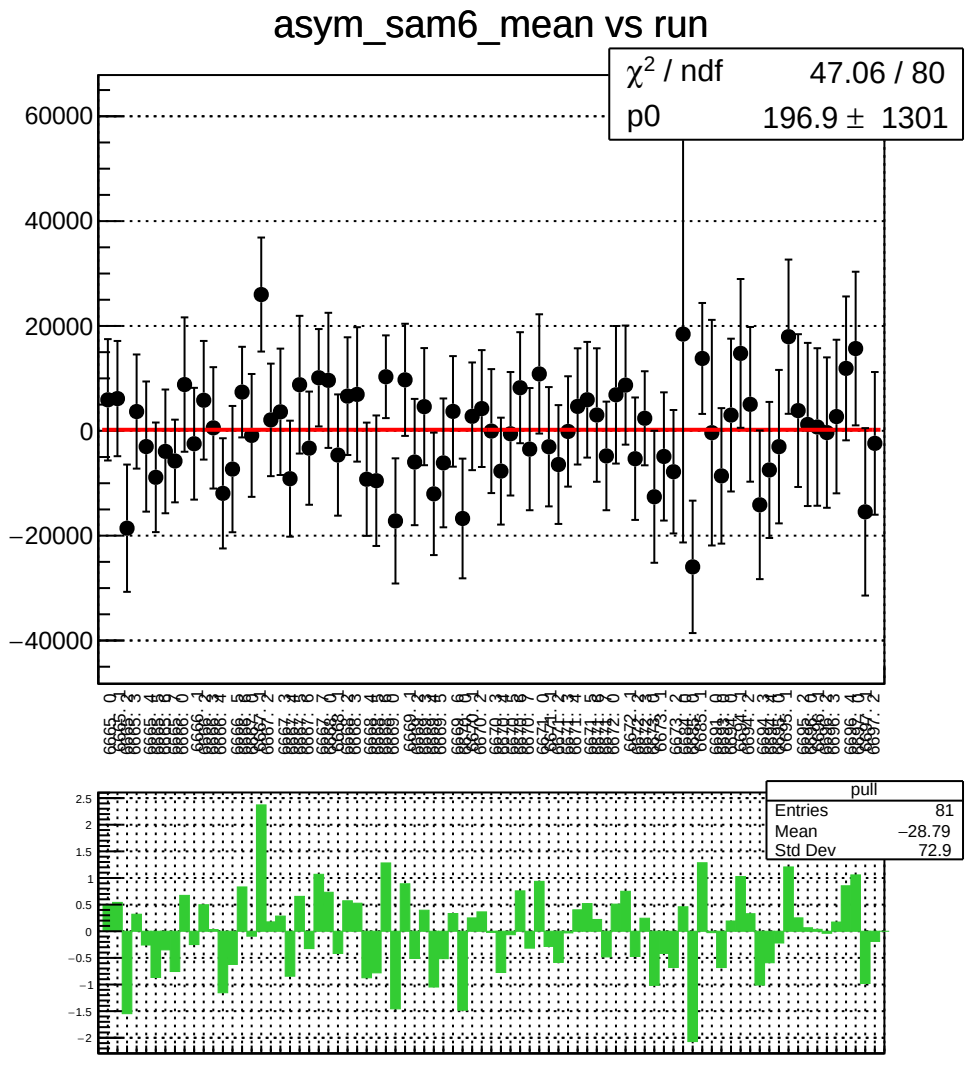

pull1D
Entries 81
Mean −0.00783
Std Dev 0.9043

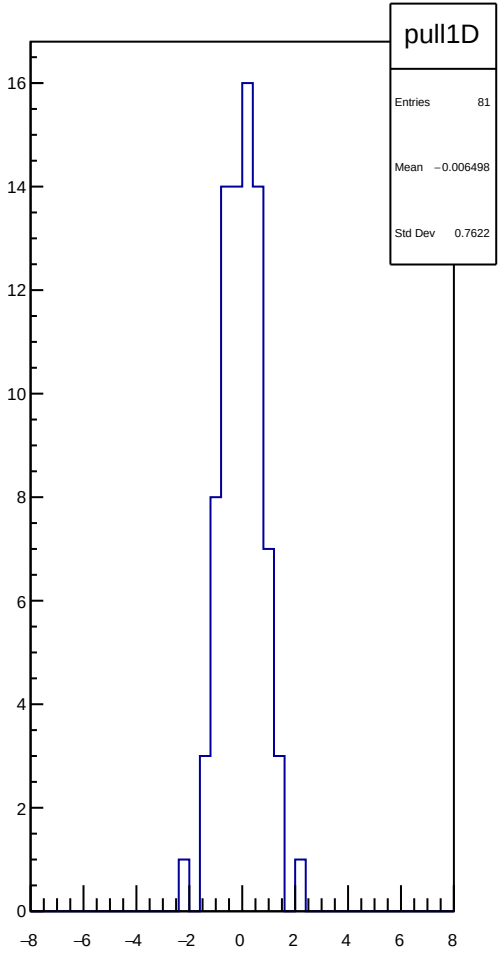

dit_asym_sam6_rms vs run
χ² / ndf 1.458e+04 / 80
p0 166.4 ± 0.1347
240
220
200
180
160
140

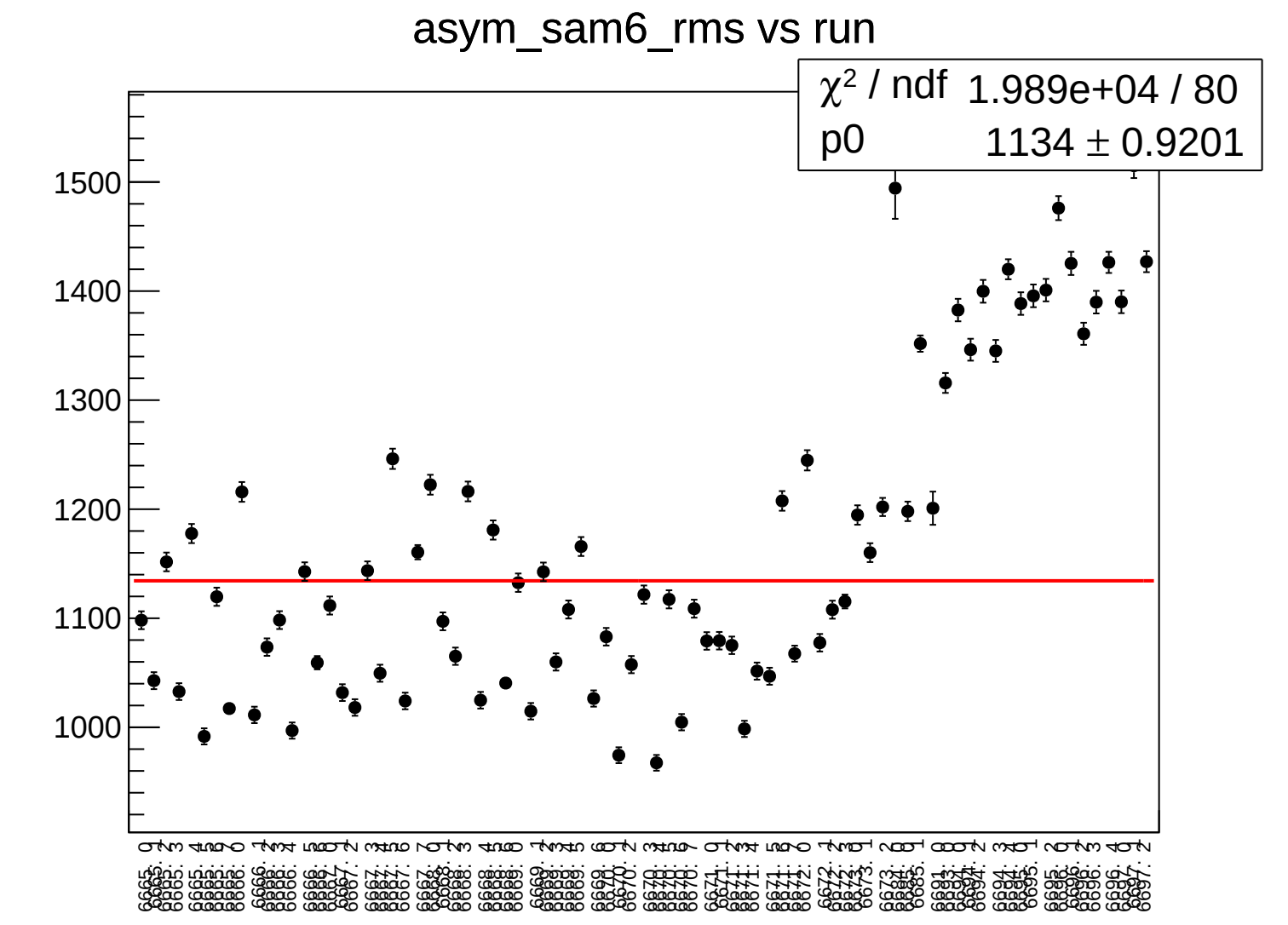

asym_sam6_correction_mean vs run
χ² / ndf 45.89 / 80
p0 40.68 ± 1330
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −13.17
Std Dev 58.99
2
1
0
−1
−2

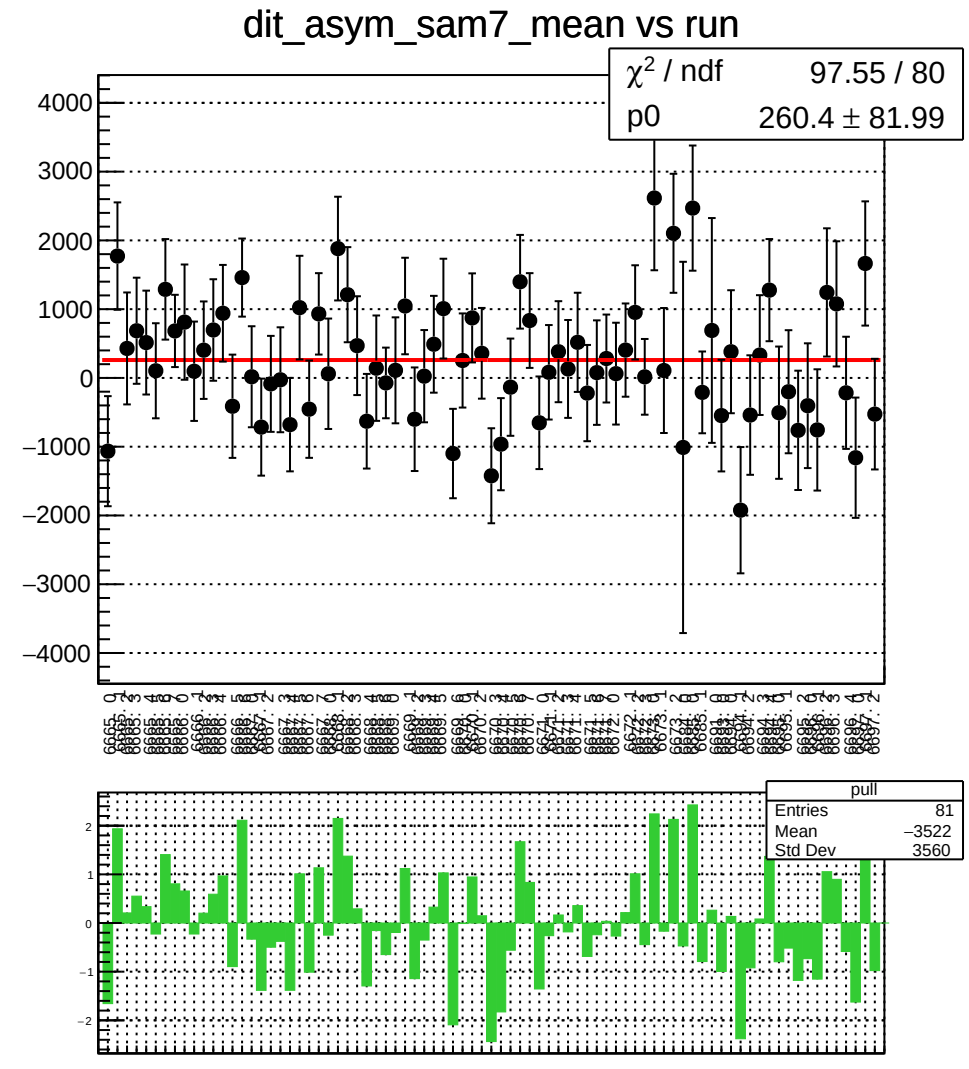

pull1D
Entries 81
Mean 0.00561
Std Dev 0.7527
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

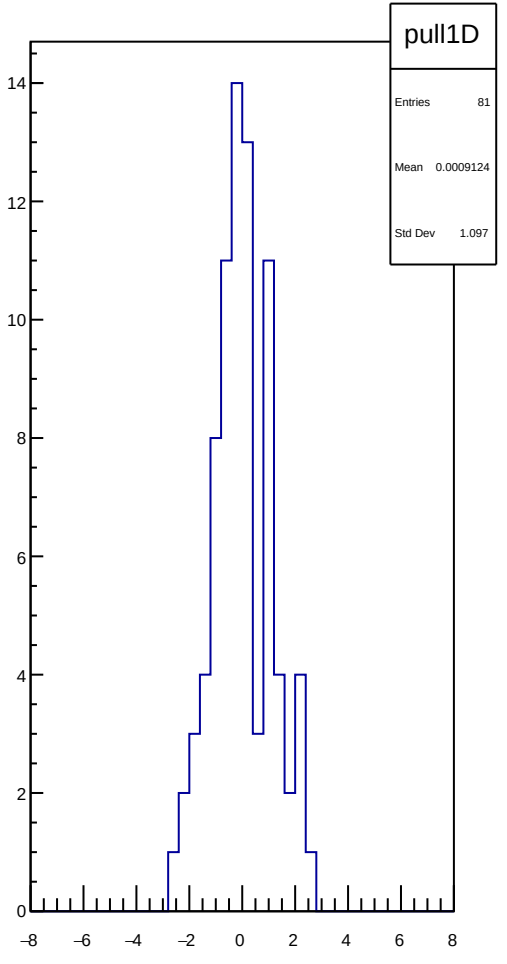

asym_sam6_correction_rms vs run
χ² / ndf 2.312e+04 / 80
p0 1159 ± 0.9407
1600
1500
1400
1300
1200
1100
1000

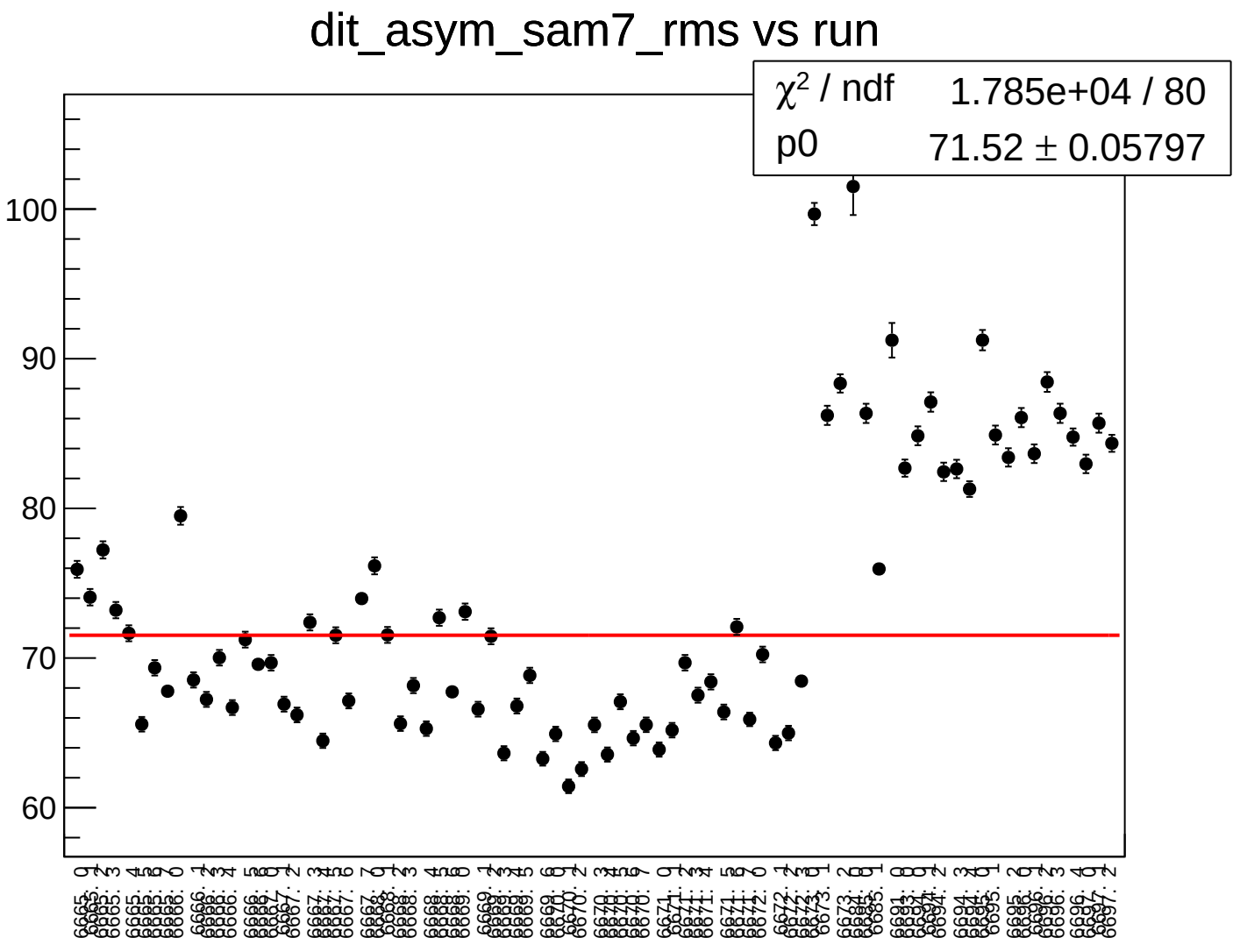

asym_sam6_mean vs run
χ² / ndf 47.06 / 80
p0 196.9 ± 1301
pull
Entries 81
Mean −28.79
Std Dev 72.9

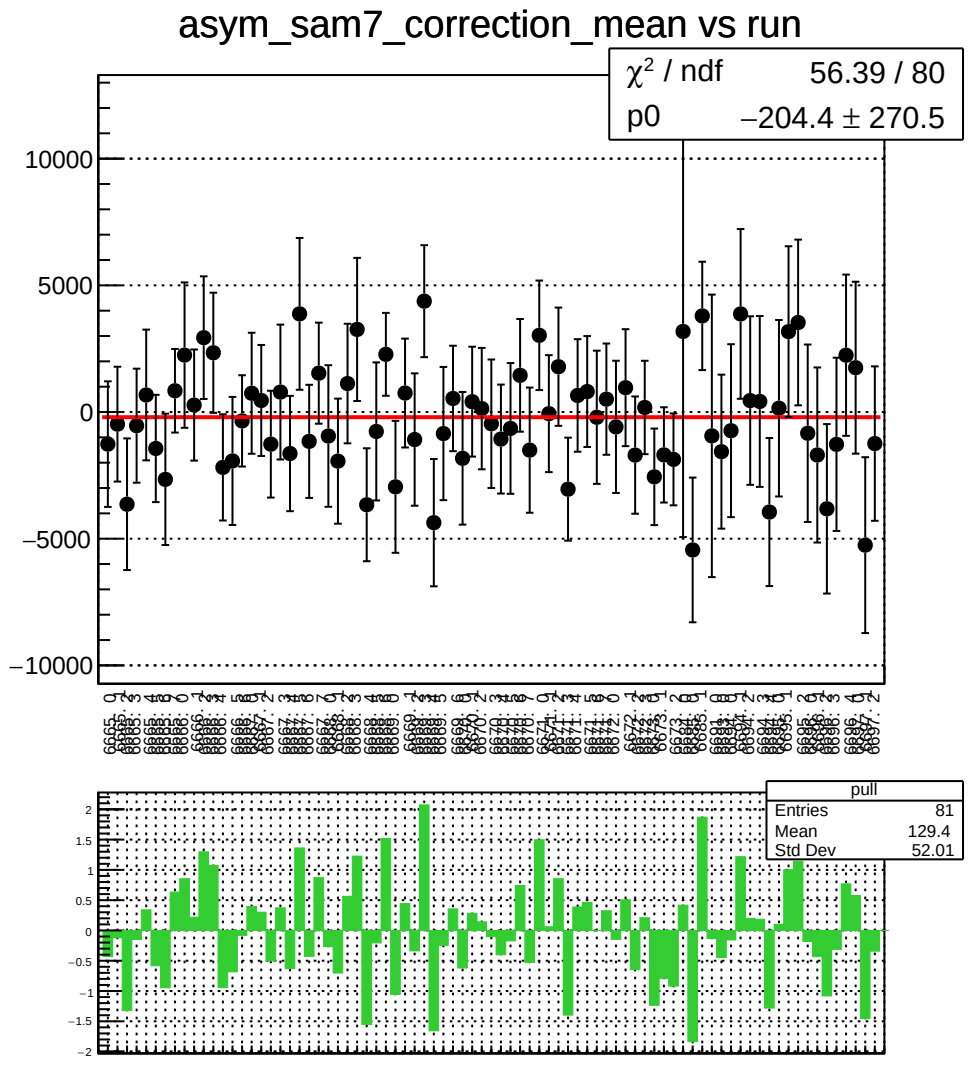

pull1D
Entries 81
Mean −0.006498
Std Dev 0.7622

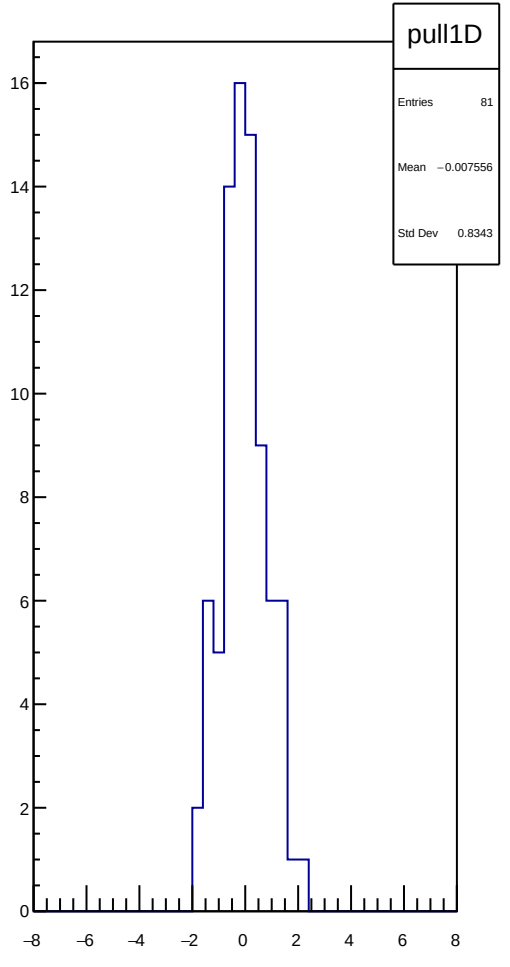

asym_sam6_rms vs run
χ² / ndf 1.989e+04 / 80
p0 1134 ± 0.9201
1500
1400
1300
1200
1100
1000

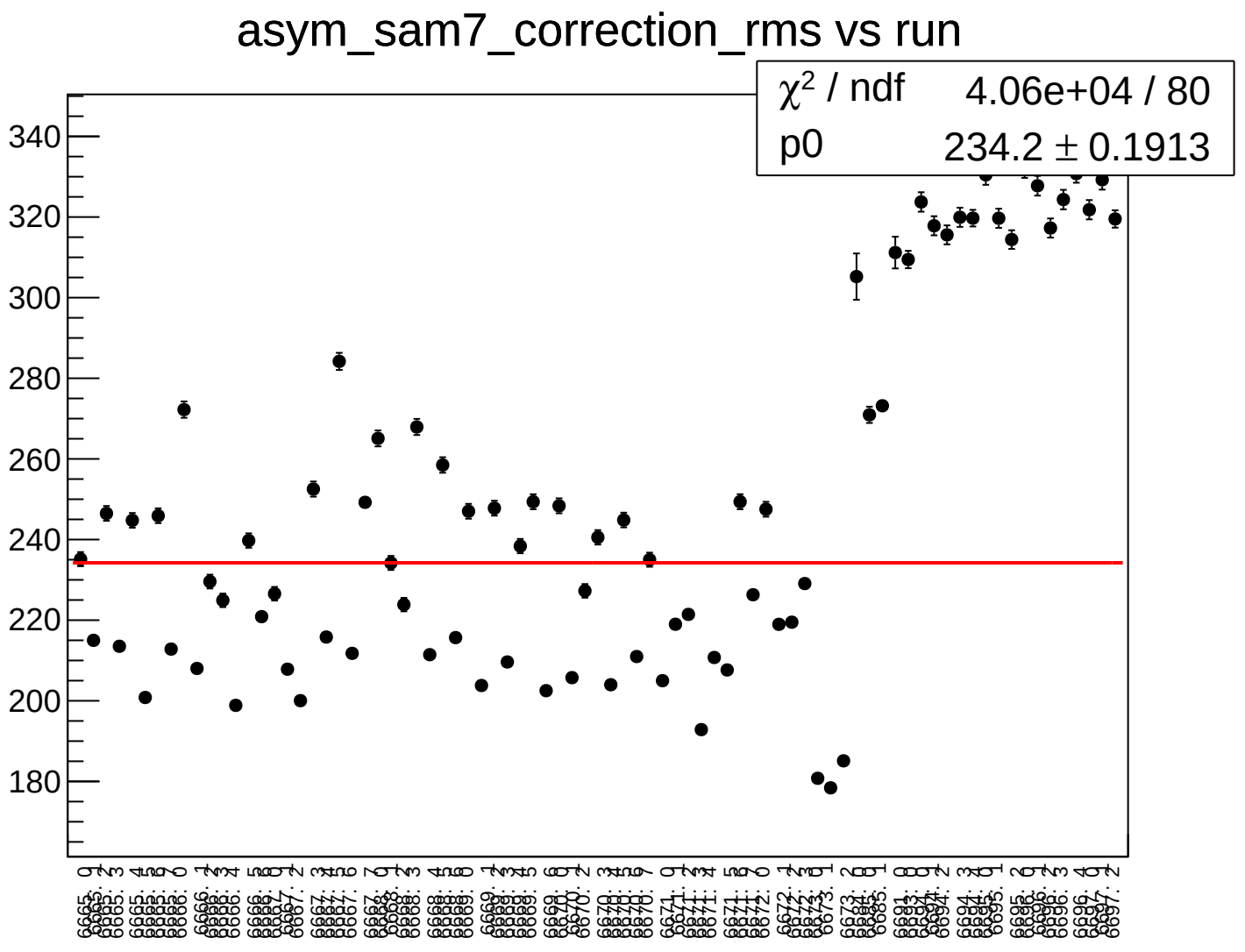

dit_asym_sam7_mean vs run
χ² / ndf 97.55 / 80
p0 260.4 ± 81.99
pull
Entries 81
Mean −3522
Std Dev 3560

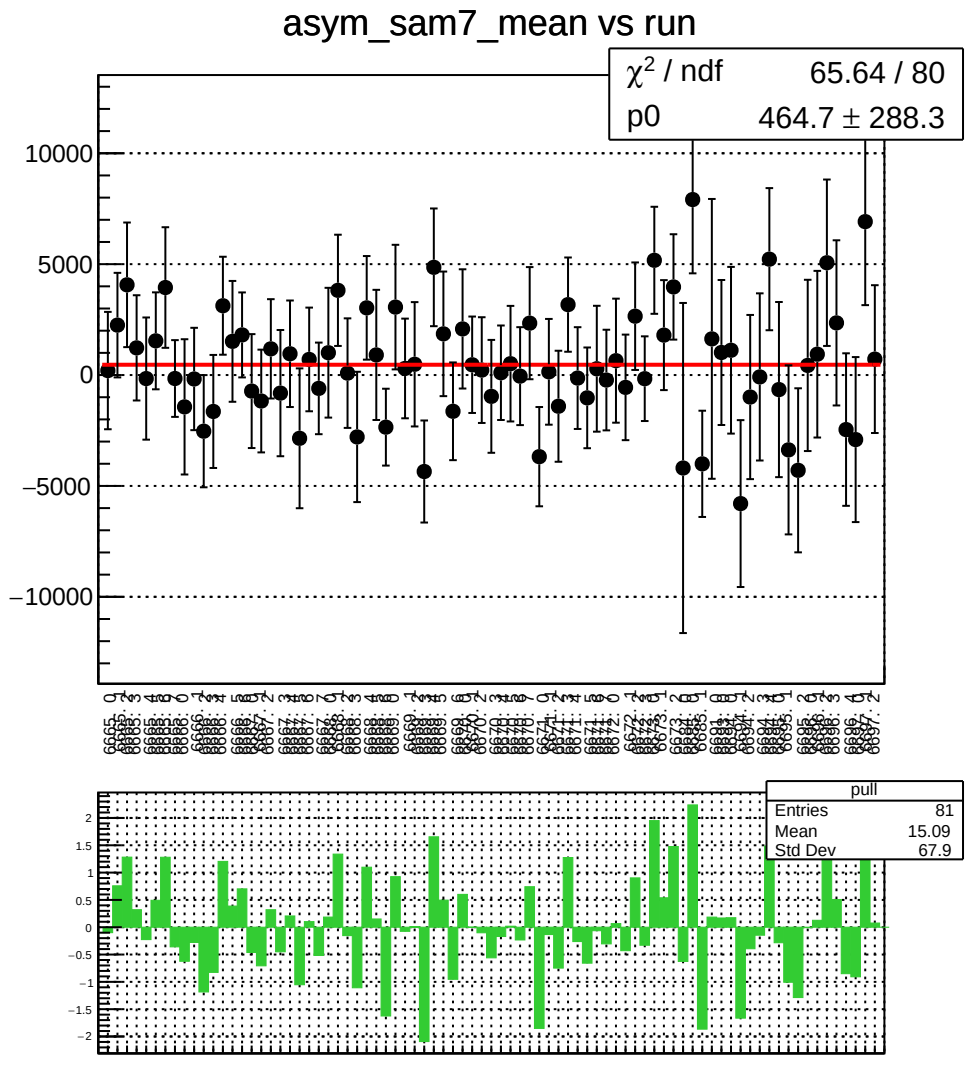

pull1D
Entries 81
Mean 0.0009124
Std Dev 1.097

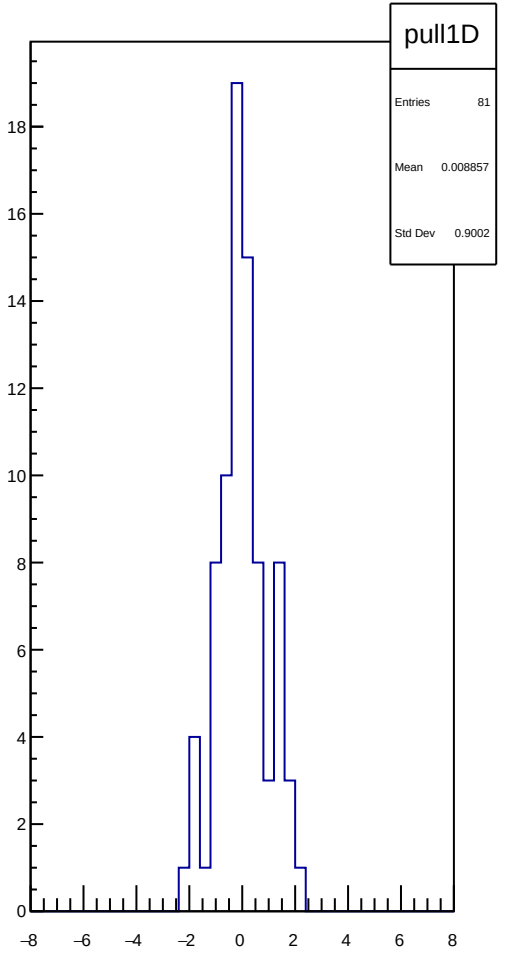

dit_asym_sam7_rms vs run
χ² / ndf 1.785e+04 / 80
p0 71.52 ± 0.05797
100
90
80
70
60

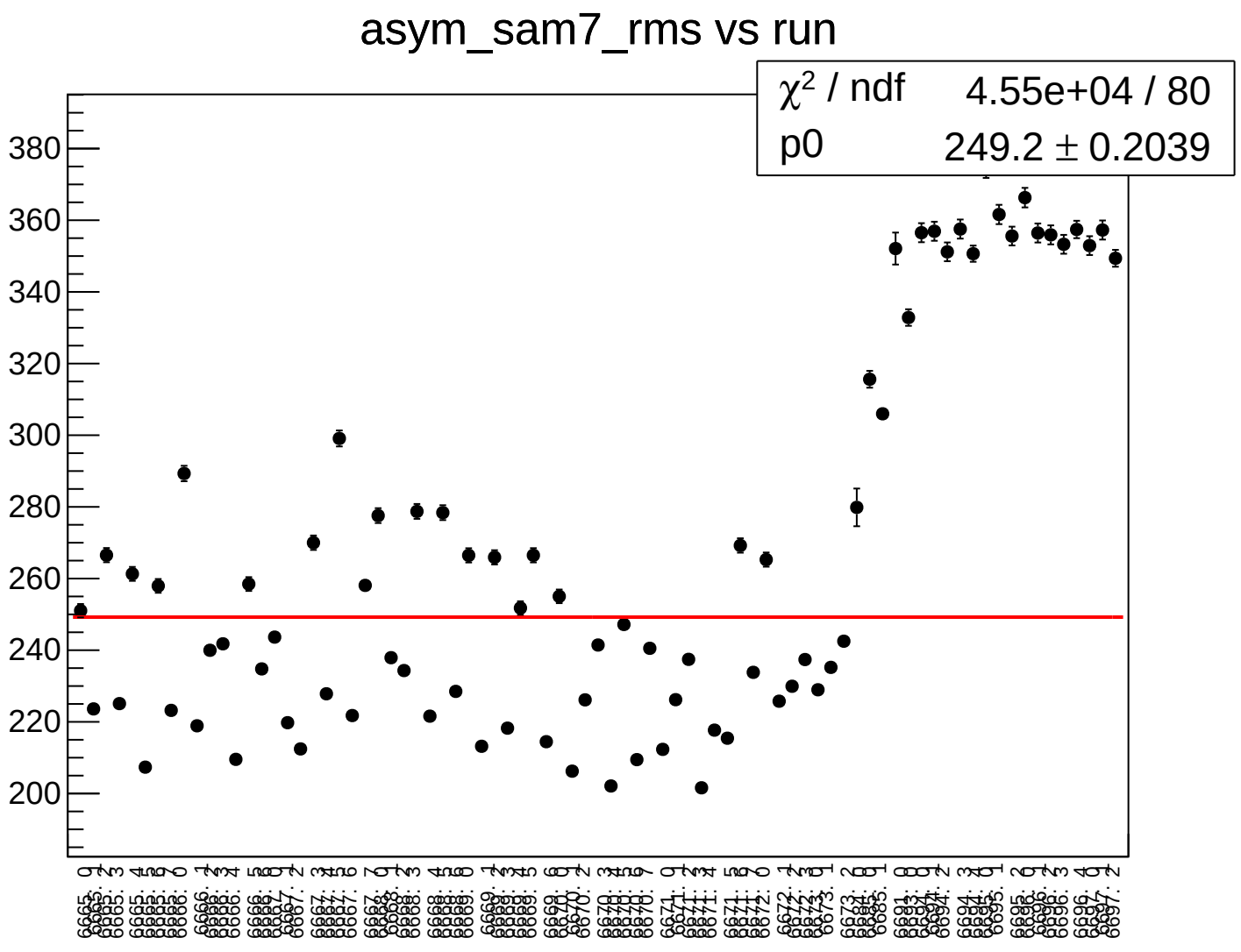

asym_sam7_correction_mean vs run
χ² / ndf 56.39 / 80
p0 −204.4 ± 270.5
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 129.4
Std Dev 52.01
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

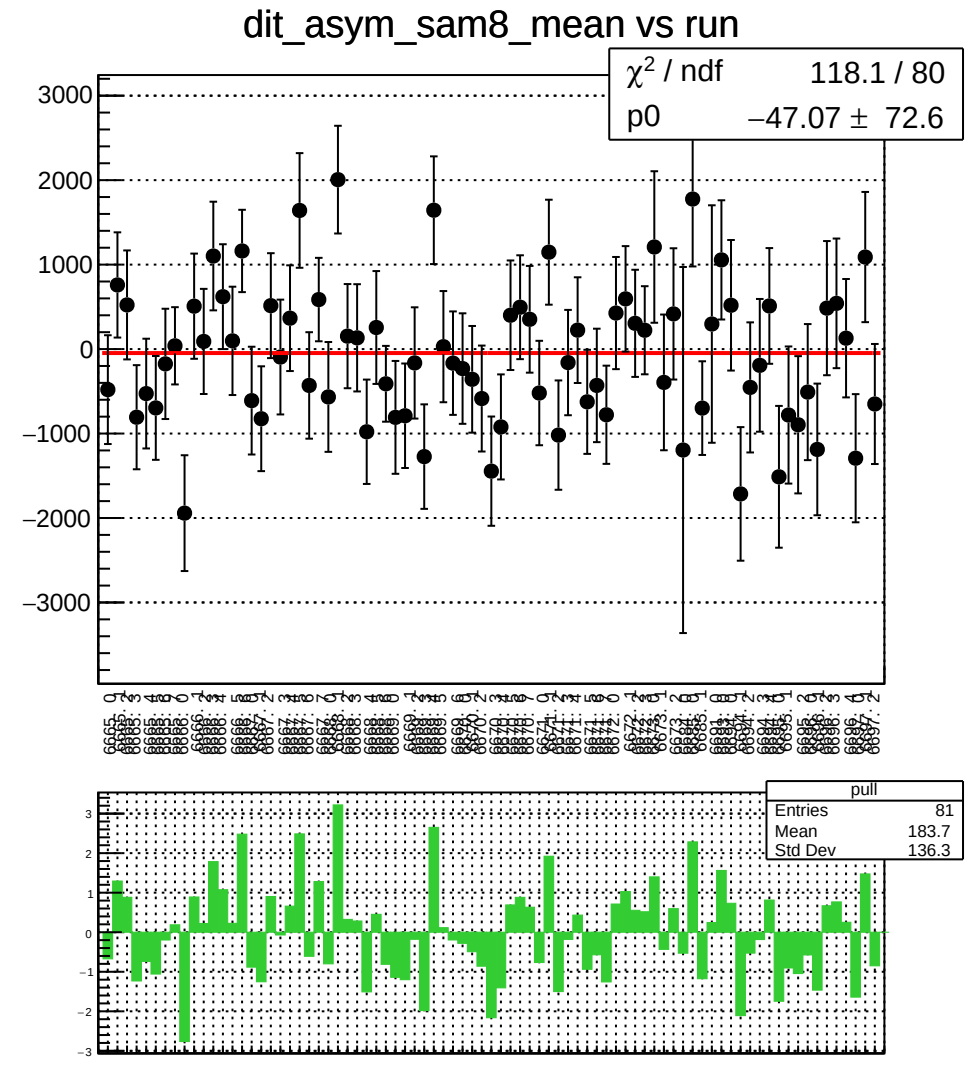

pull1D
Entries 81
Mean −0.007556
Std Dev 0.8343
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

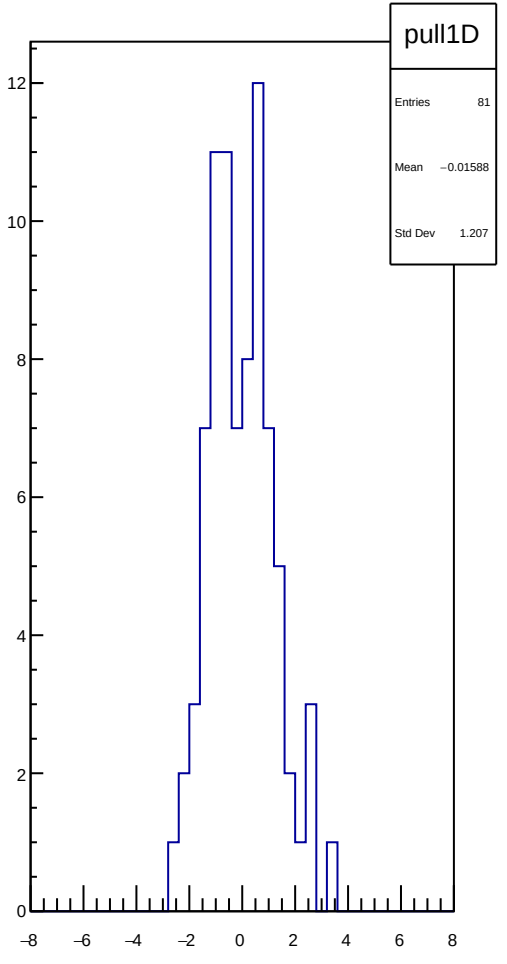

asym_sam7_correction_rms vs run
χ² / ndf 4.06e+04 / 80
p0 234.2 ± 0.1913
340
320
300
280
260
240
220
200
180

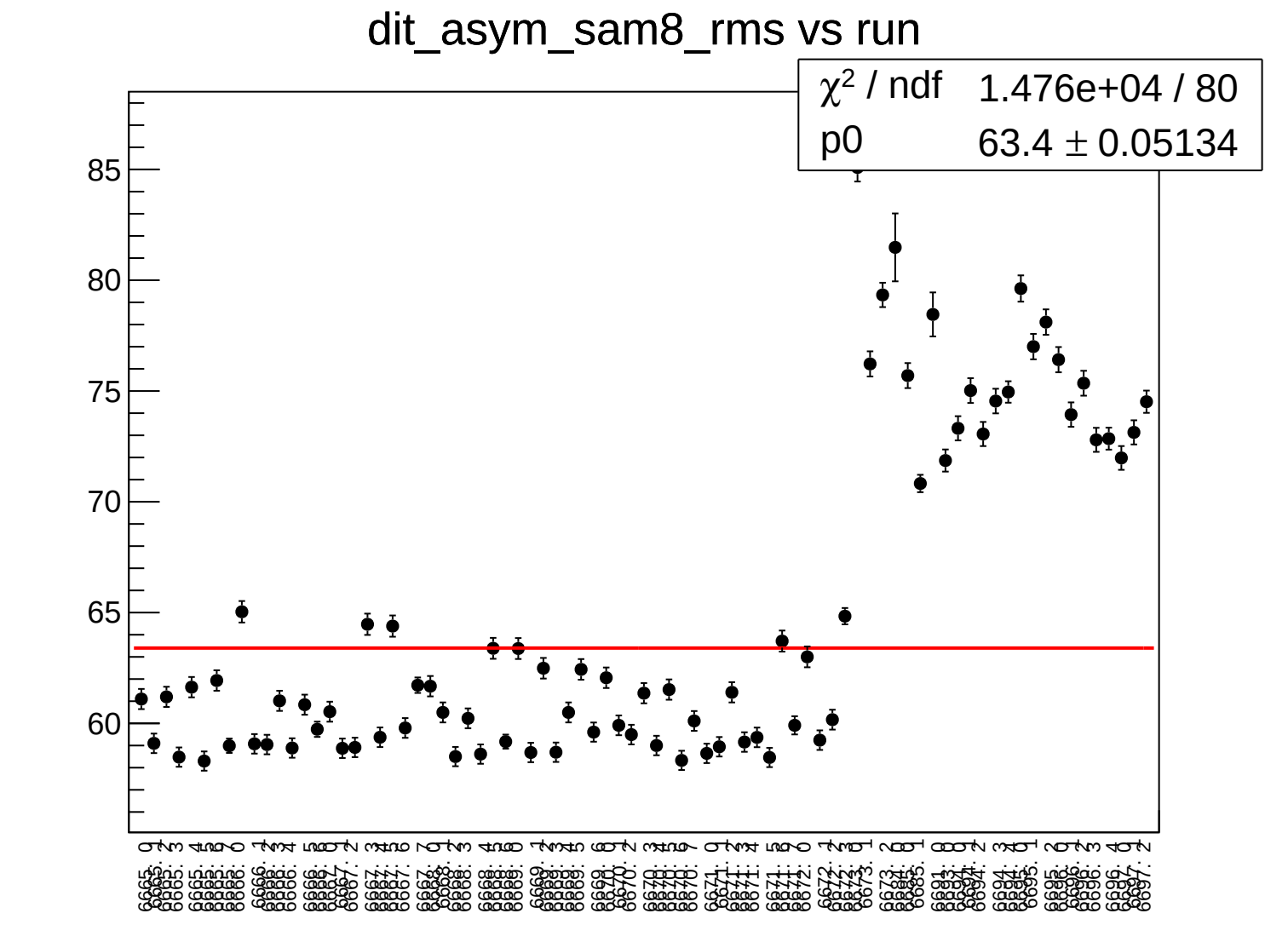

asym_sam7_mean vs run
$\chi^2$ / ndf 65.64 / 80
p0 464.7 ± 288.3
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 15.09
Std Dev 67.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

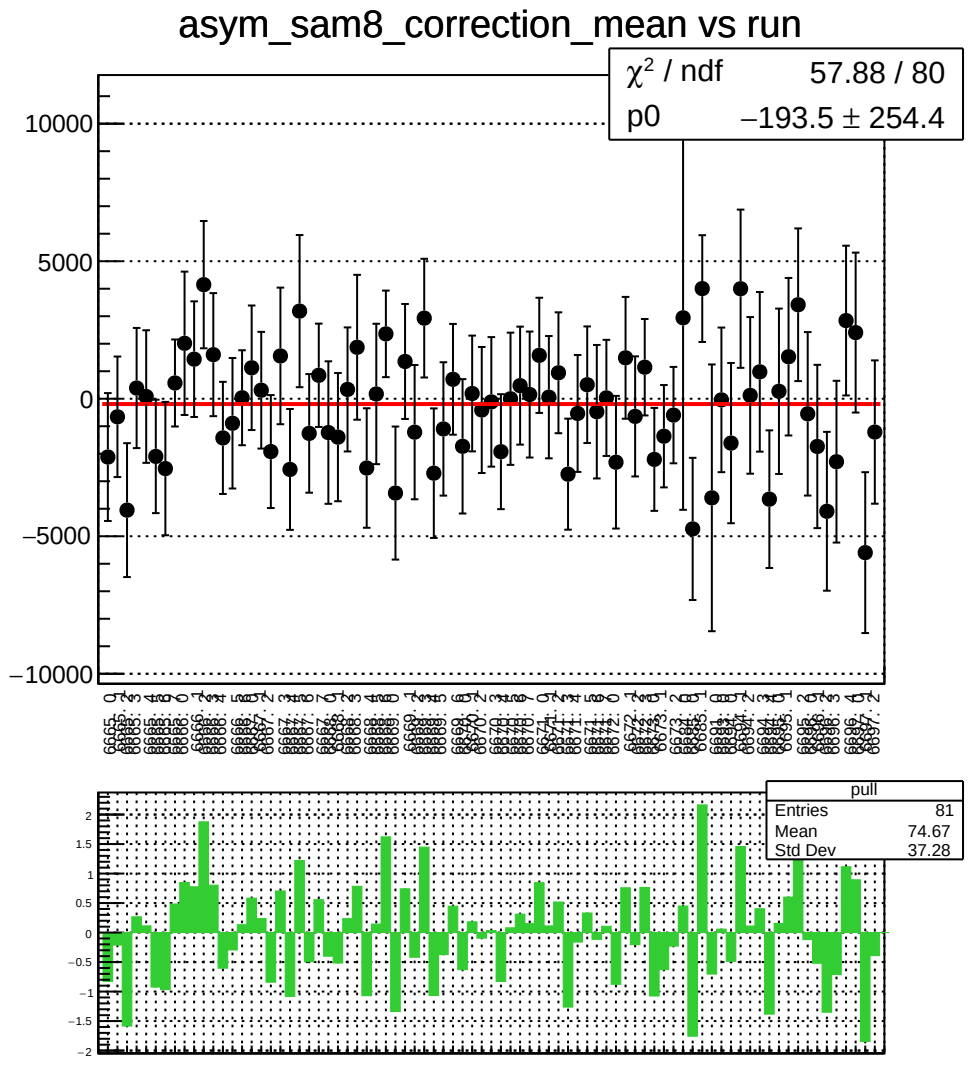

pull1D
Entries 81
Mean 0.008857
Std Dev 0.9002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

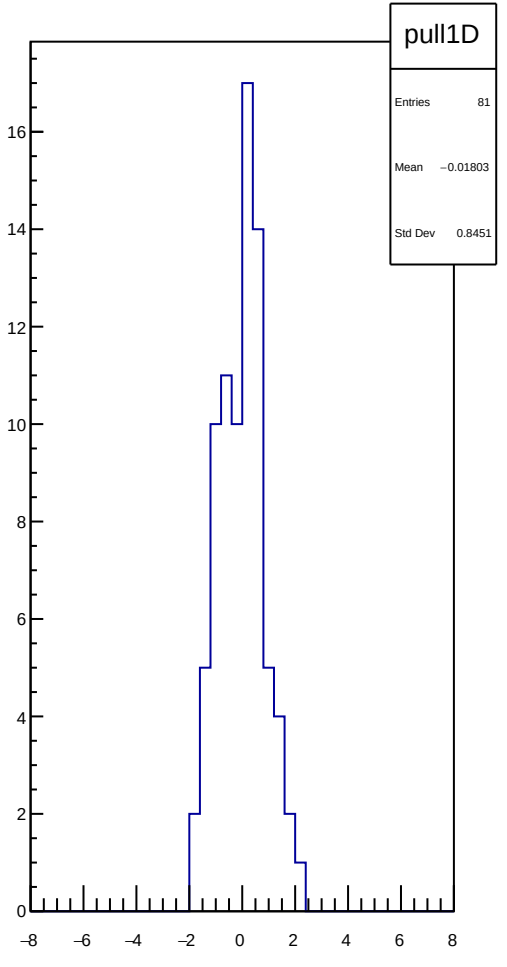

asym_sam7_rms vs run
χ² / ndf 4.55e+04 / 80
p0 249.2 ± 0.2039
380
360
340
320
300
280
260
240
220
200

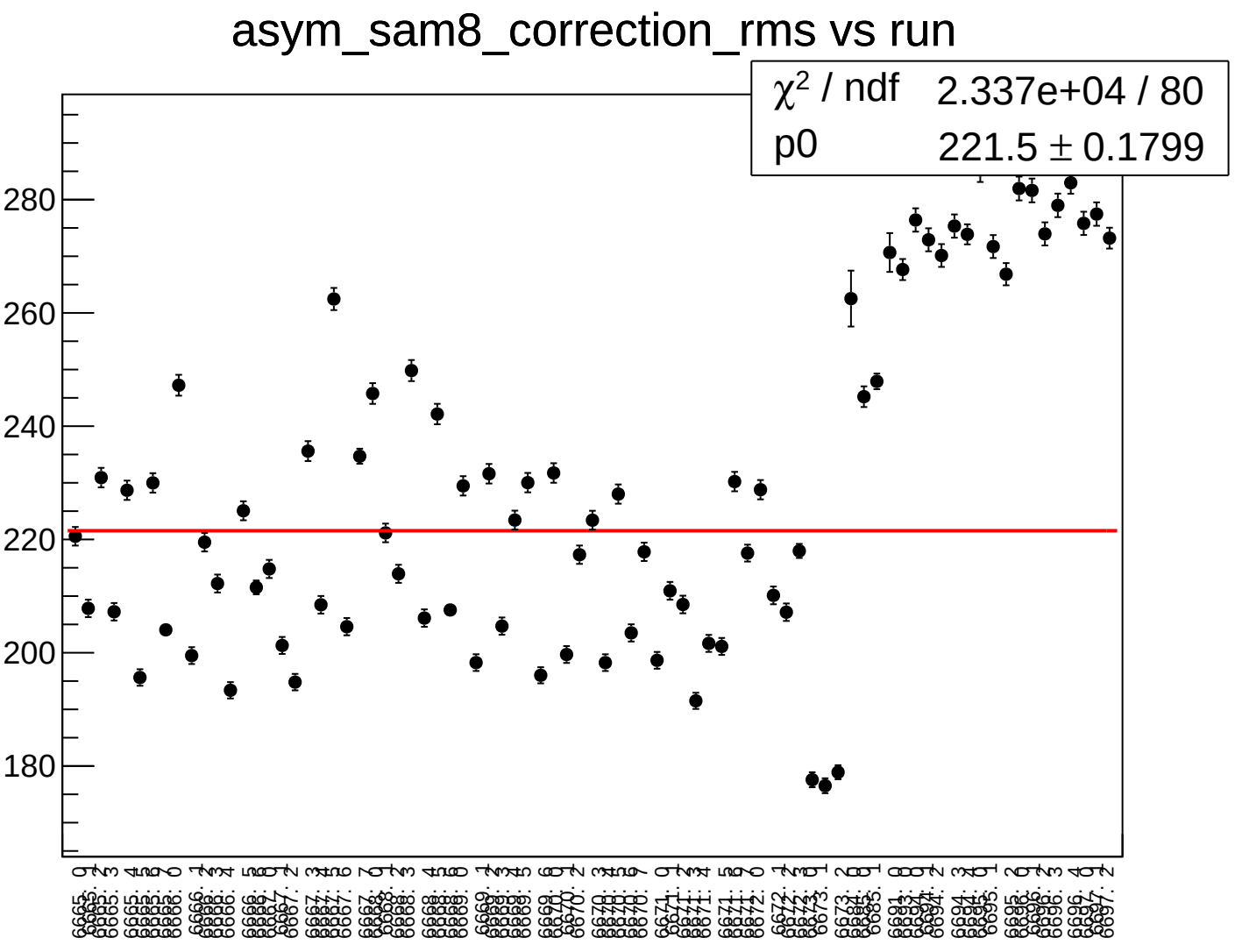

dit_asym_sam8_mean vs run
χ² / ndf 118.1 / 80
p0 −47.07 ± 72.6
pull
Entries 81
Mean 183.7
Std Dev 136.3

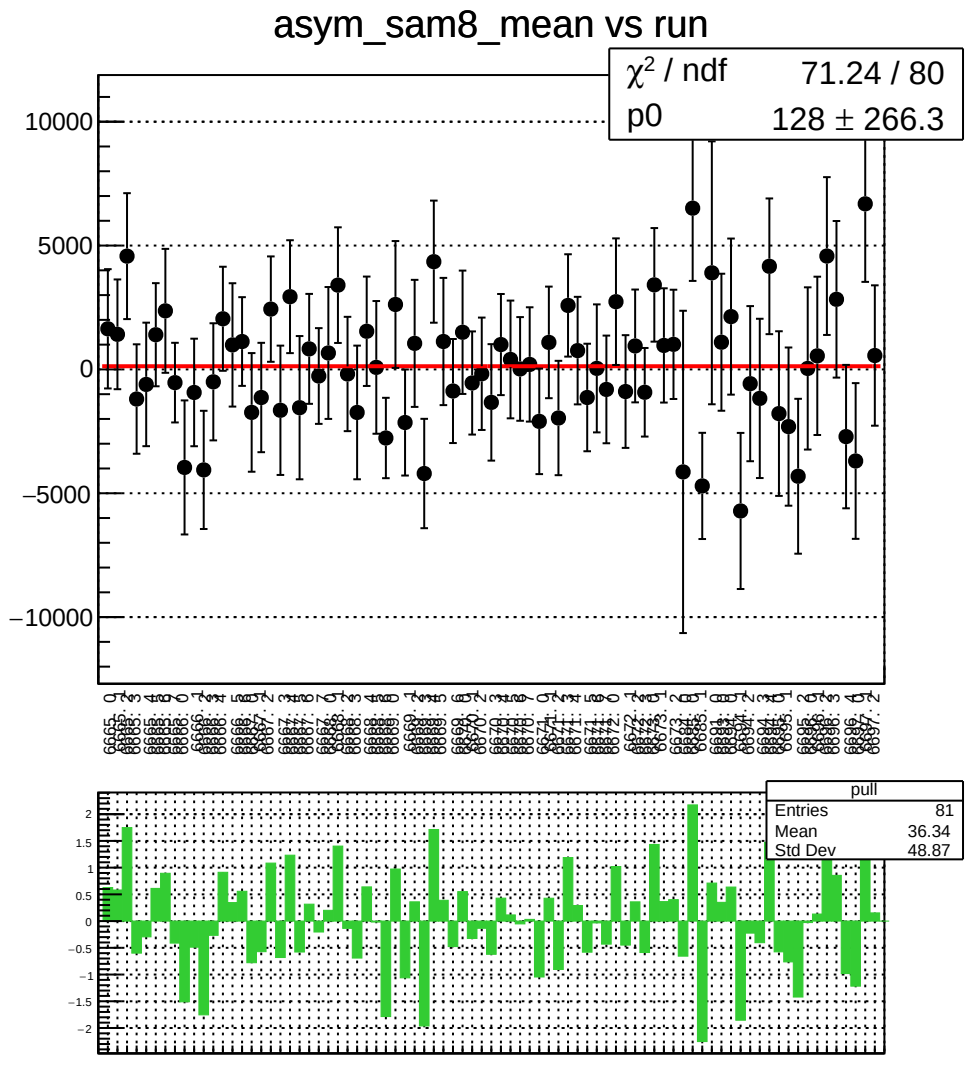

pull1D
Entries 81
Mean −0.01588
Std Dev 1.207

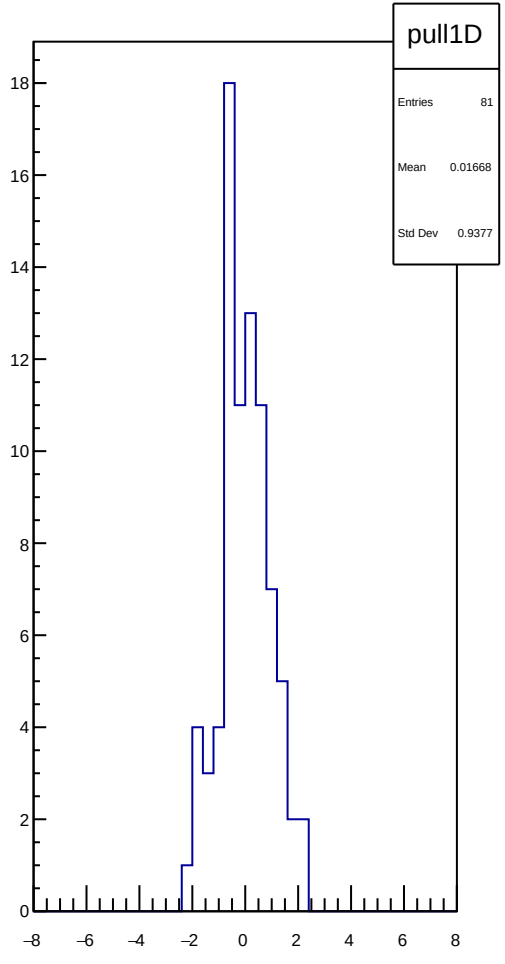

dit_asym_sam8_rms vs run
χ² / ndf 1.476e+04 / 80
p0 63.4 ± 0.05134
85
80
75
70
65
60

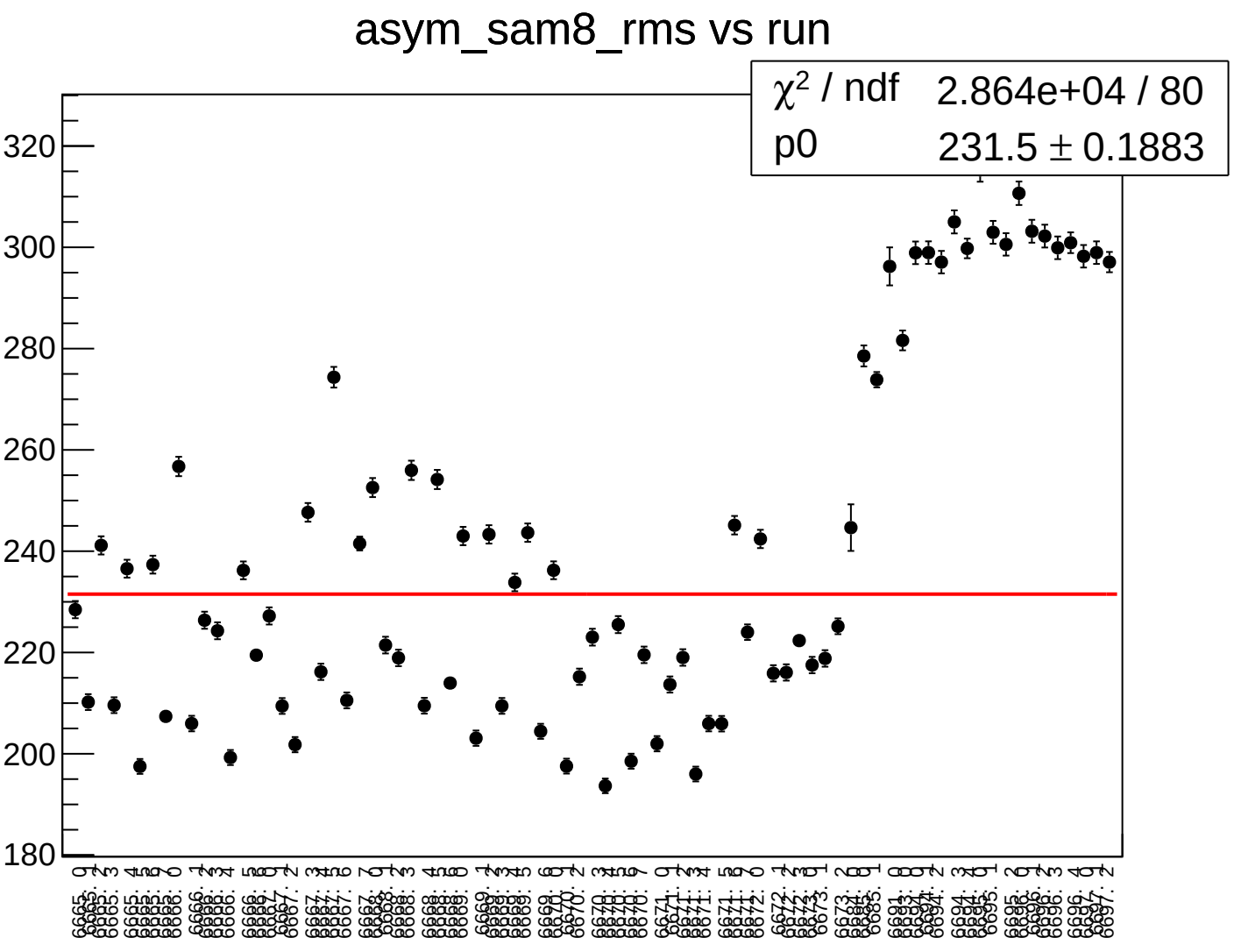

asym_sam8_correction_mean vs run
χ² / ndf 57.88 / 80
p0 −193.5 ± 254.4
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 74.67
Std Dev 37.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

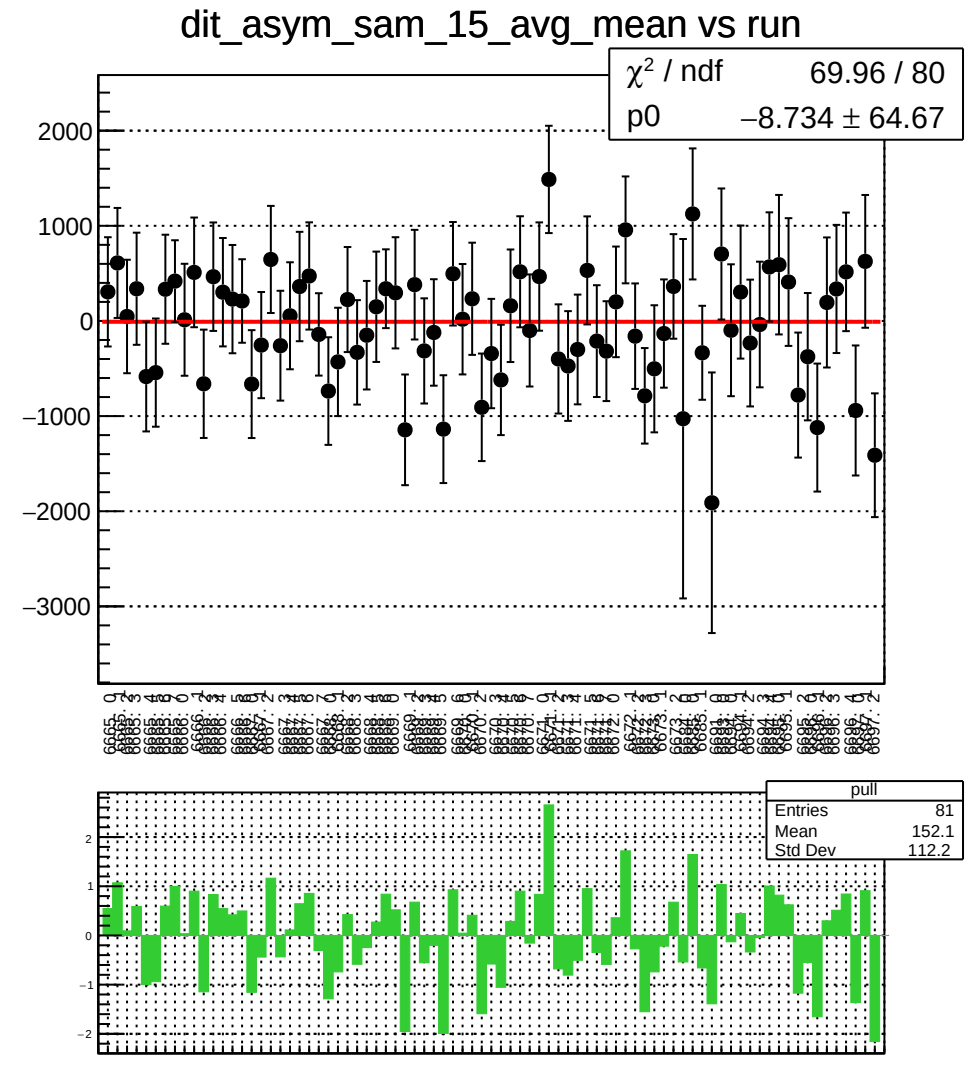

pull1D
Entries 81
Mean −0.01803
Std Dev 0.8451
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

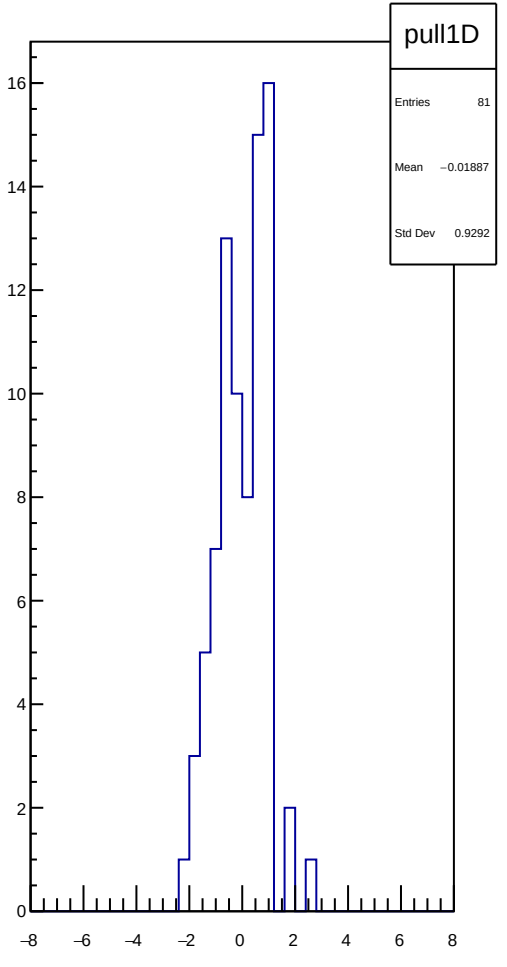

asym_sam8_correction_rms vs run
$\chi^2$ / ndf 2.337e+04 / 80
p0 221.5 ± 0.1799
280
260
240
220
200
180

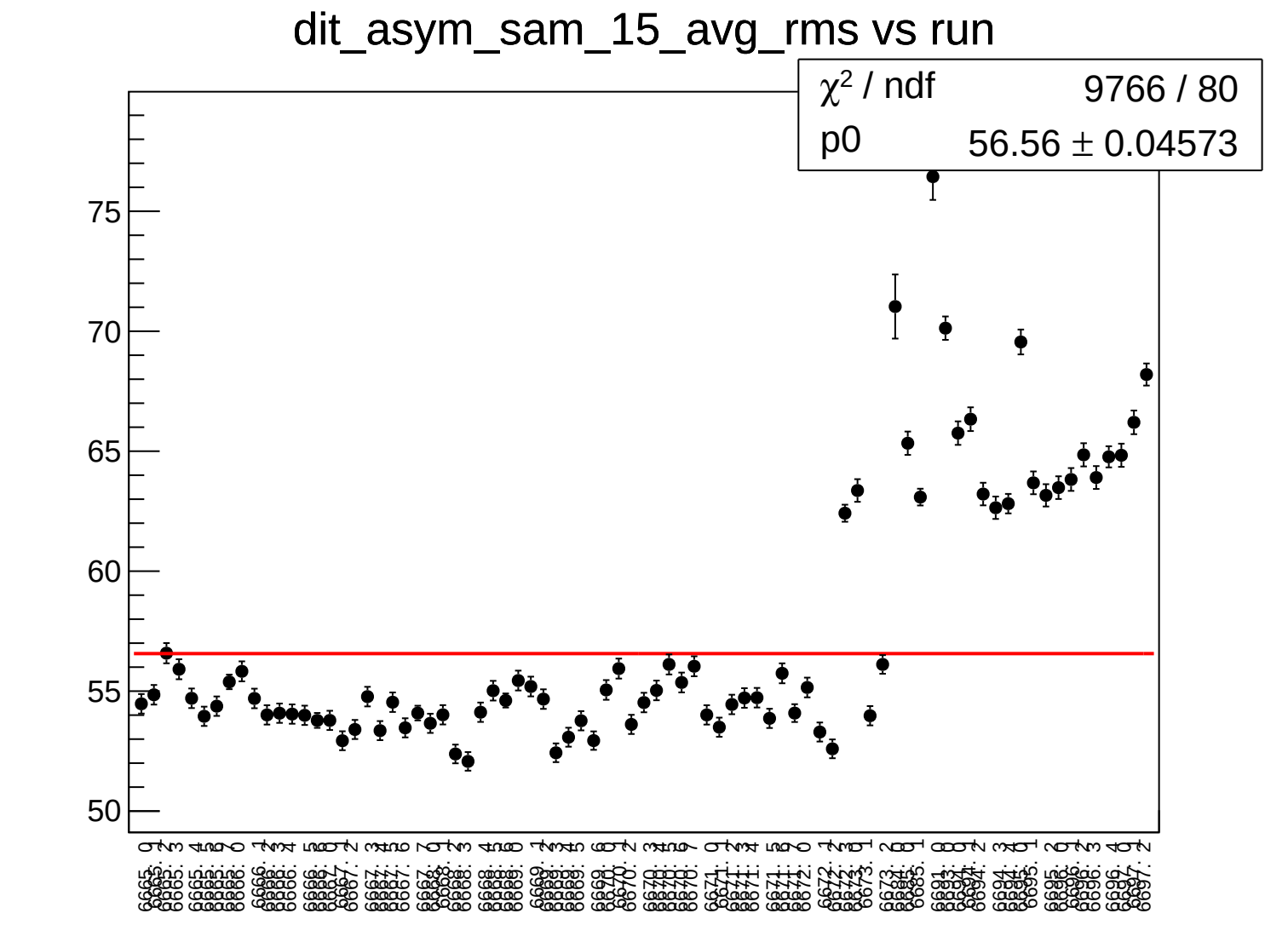

asym_sam8_mean vs run
χ² / ndf 71.24 / 80
p0 128 ± 266.3
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 36.34
Std Dev 48.87
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

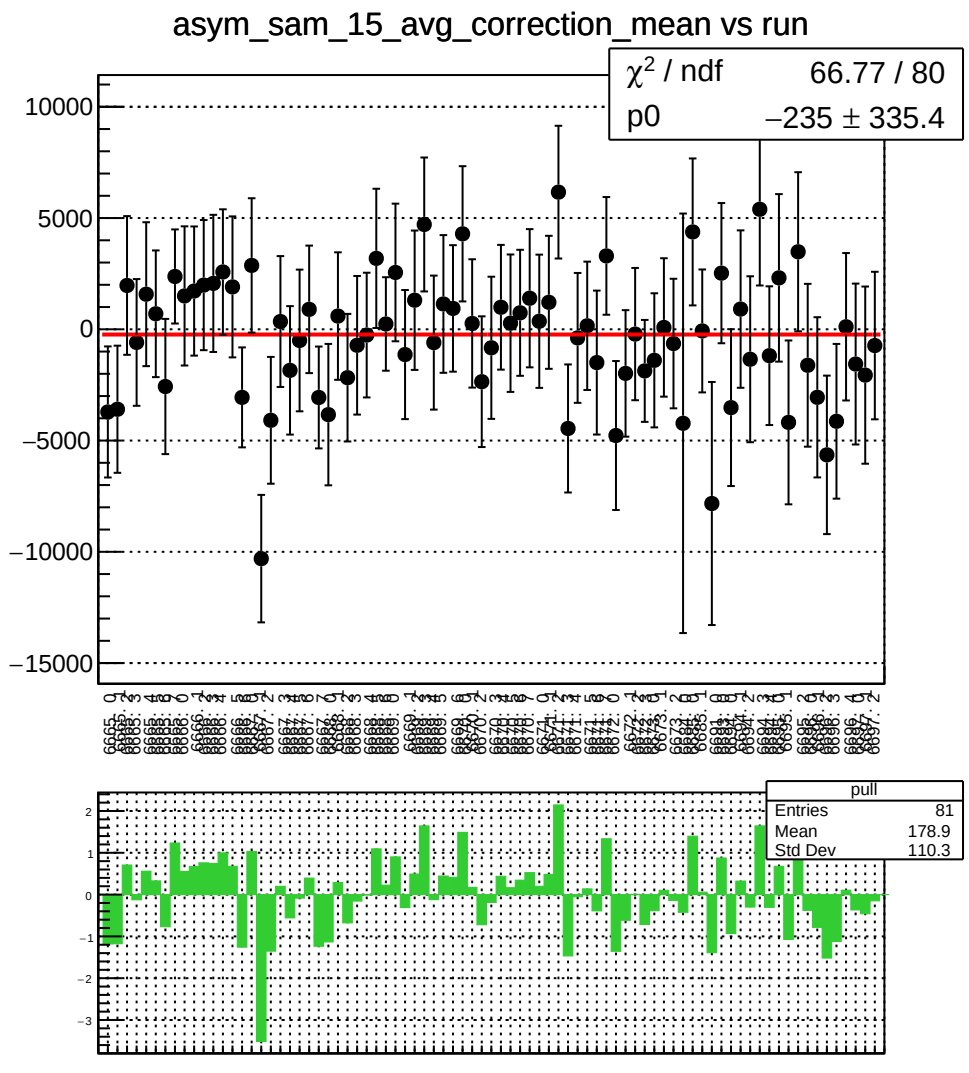

pull1D
Entries 81
Mean 0.01668
Std Dev 0.9377
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

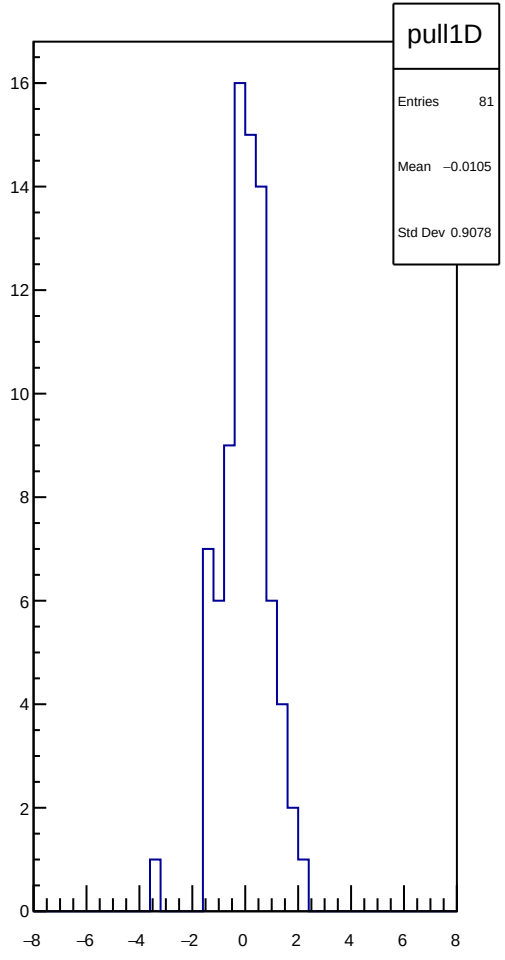

asym_sam8_rms vs run
χ² / ndf 2.864e+04 / 80
p0 231.5 ± 0.1883
320
300
280
260
240
220
200
180

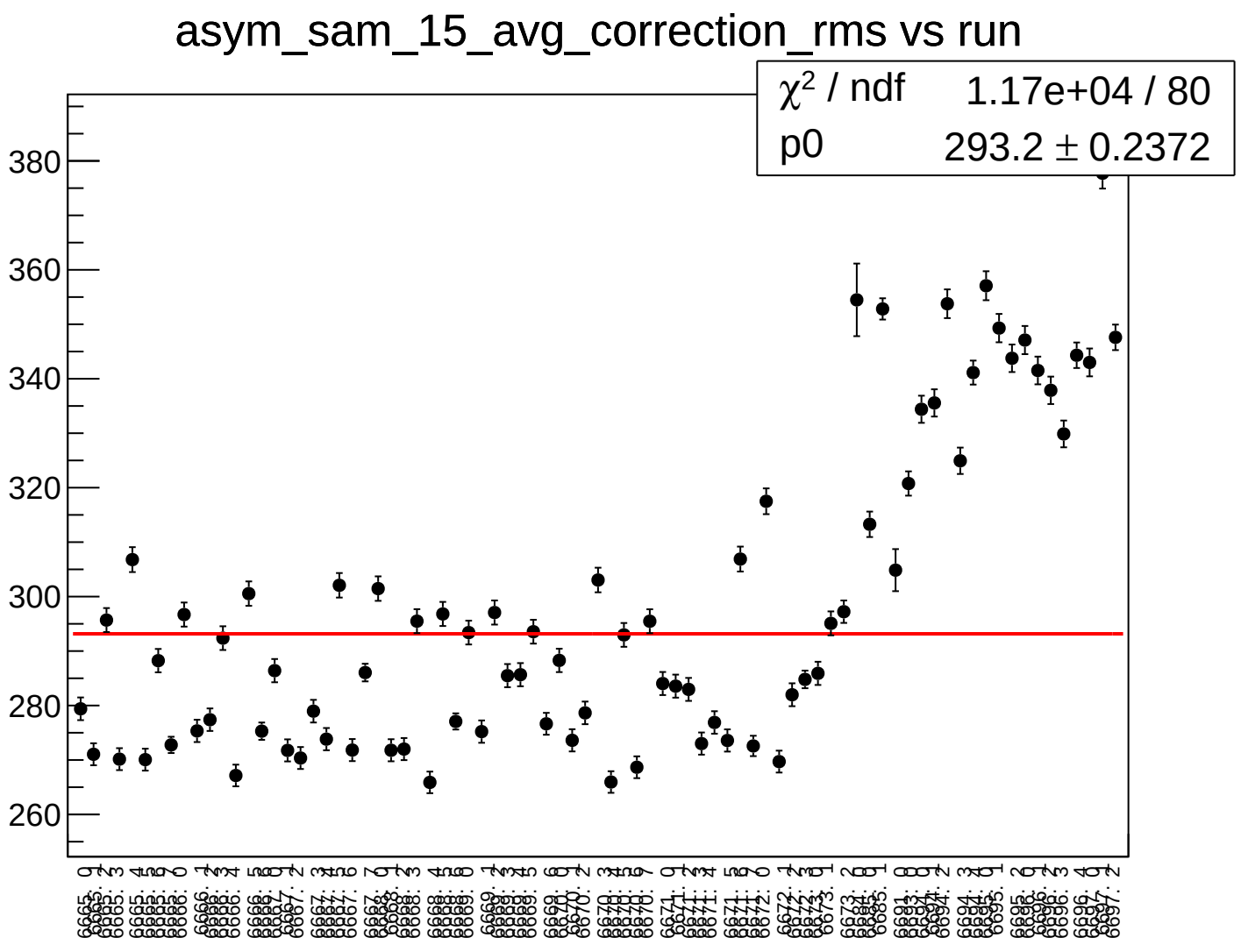

dit_asym_sam_15_avg_mean vs run
χ² / ndf 69.96 / 80
p0 −8.734 ± 64.67
2000
1000
0
−1000
−2000
−3000
pull
Entries 81
Mean 152.1
Std Dev 112.2
2
1
0
−1
−2

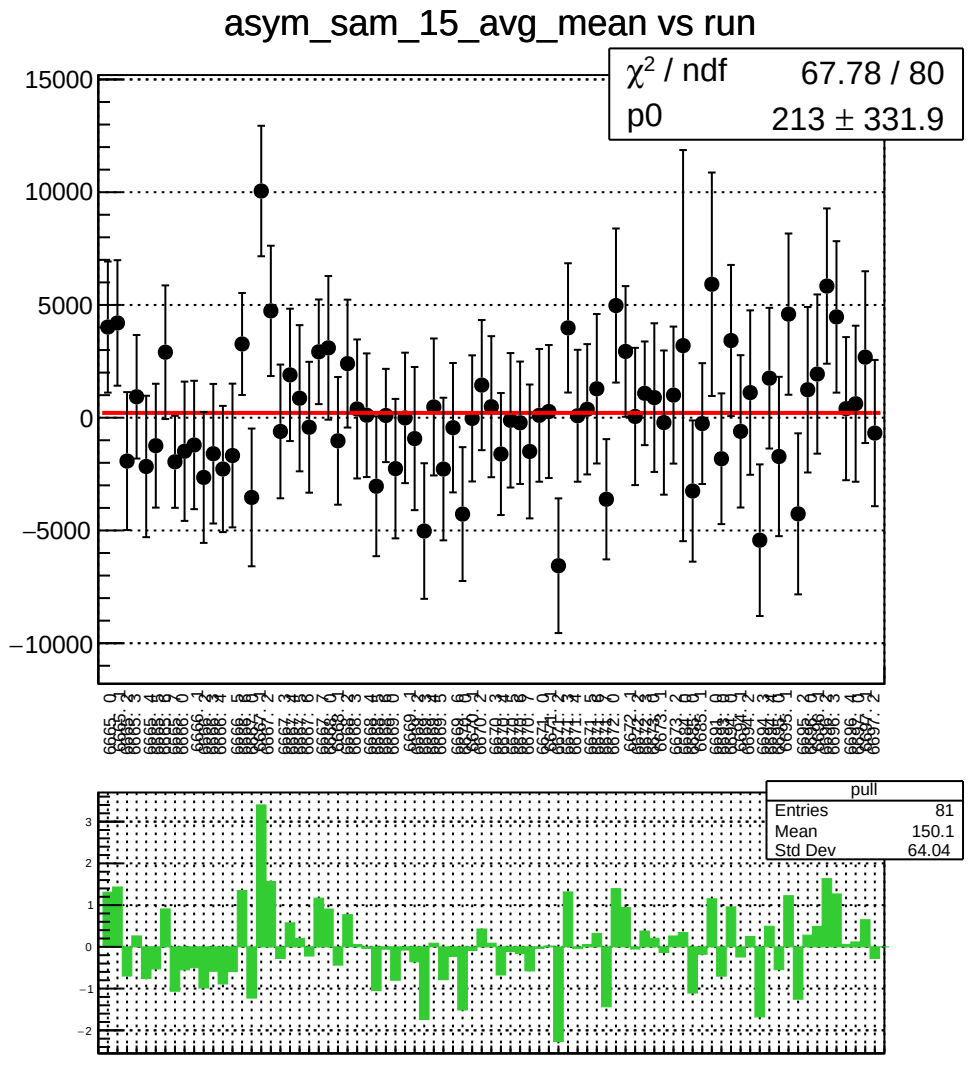

pull1D
Entries 81
Mean −0.01887
Std Dev 0.9292
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

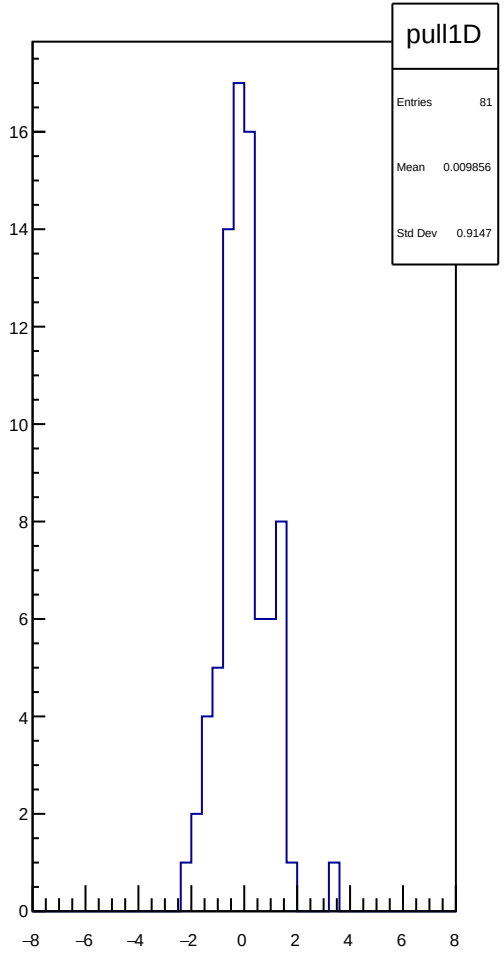

dit_asym_sam_15_avg_rms vs run
$\chi^2$ / ndf 9766 / 80
p0 56.56 ± 0.04573
75
70
65
60
55
50

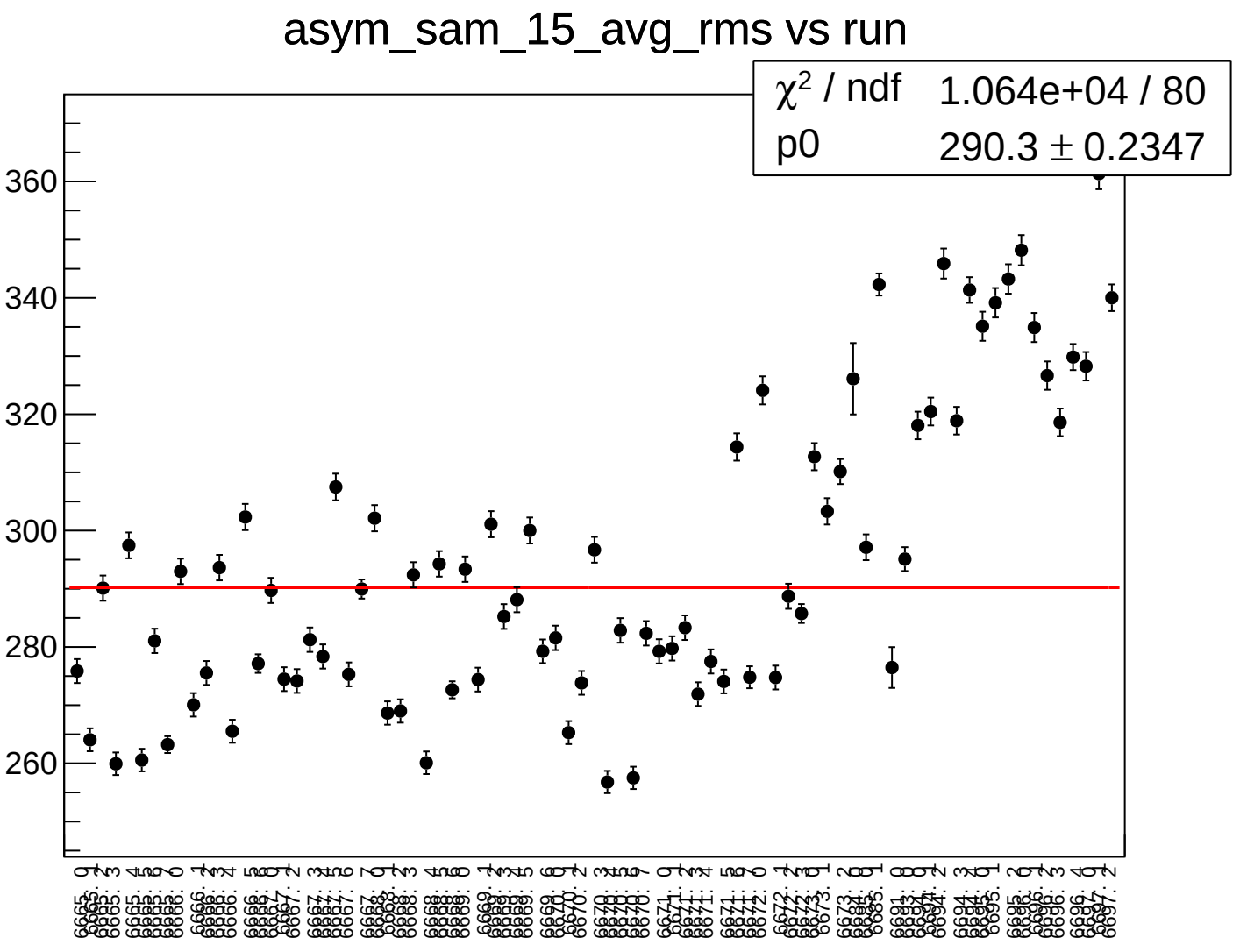

asym_sam_15_avg_correction_mean vs run
χ² / ndf 66.77 / 80
p0 −235 ± 335.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 178.9
Std Dev 110.3
2
1
0
−1
−2
−3

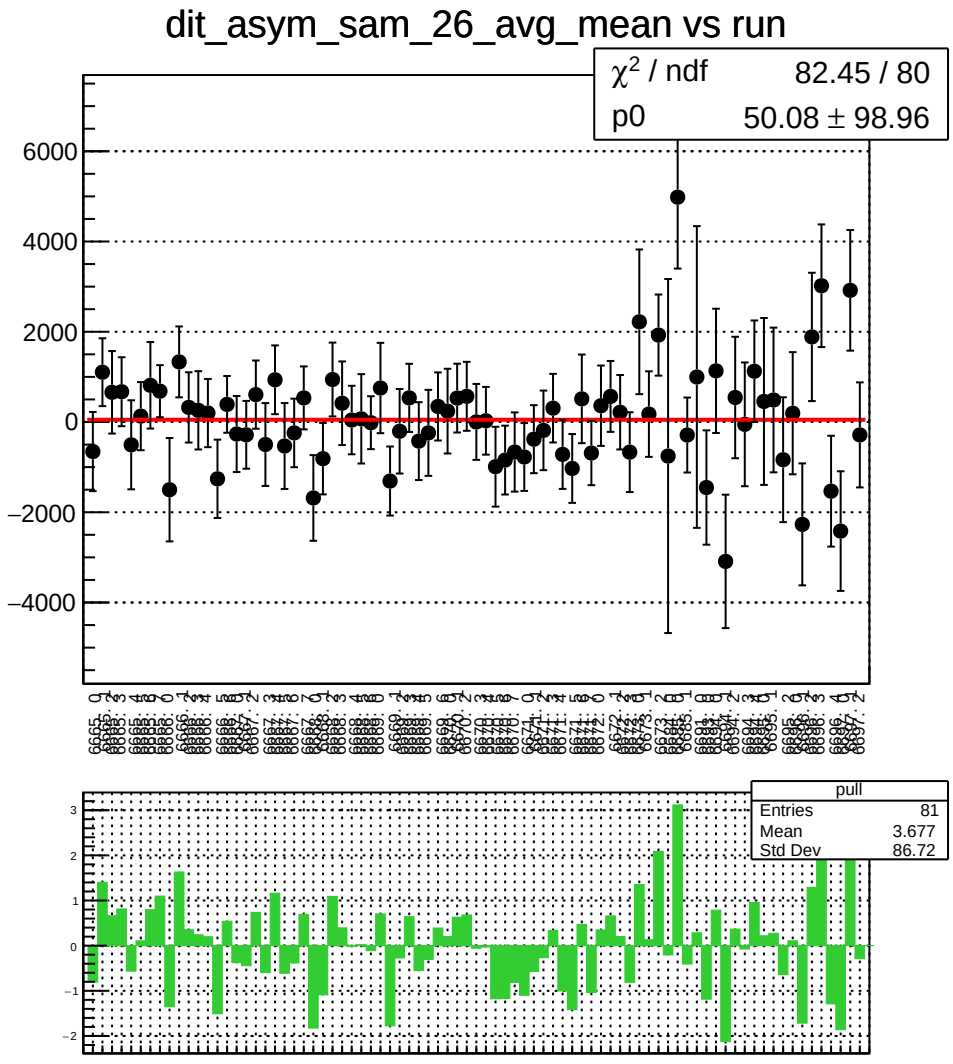

pull1D
Entries 81
Mean −0.0105
Std Dev 0.9078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

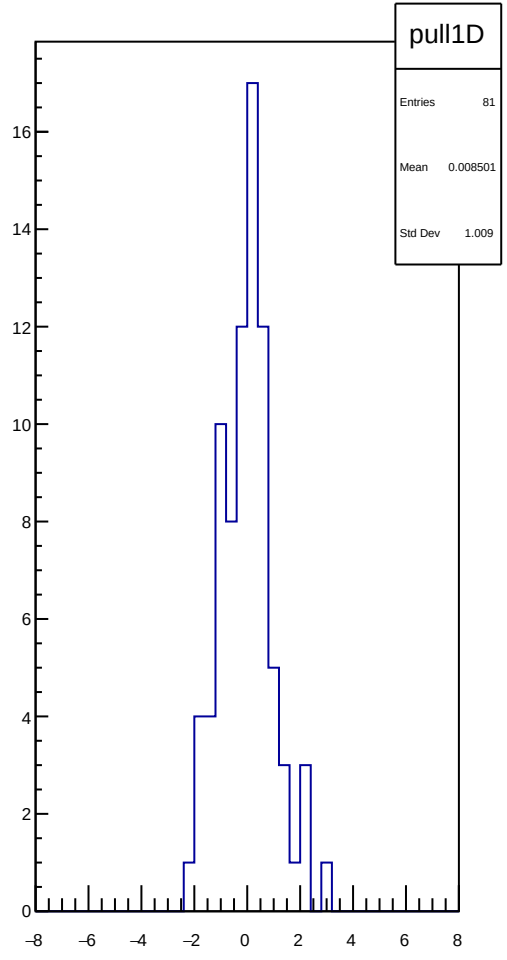

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.17e+04 / 80
p0 293.2 ± 0.2372
380
360
340
320
300
280
260

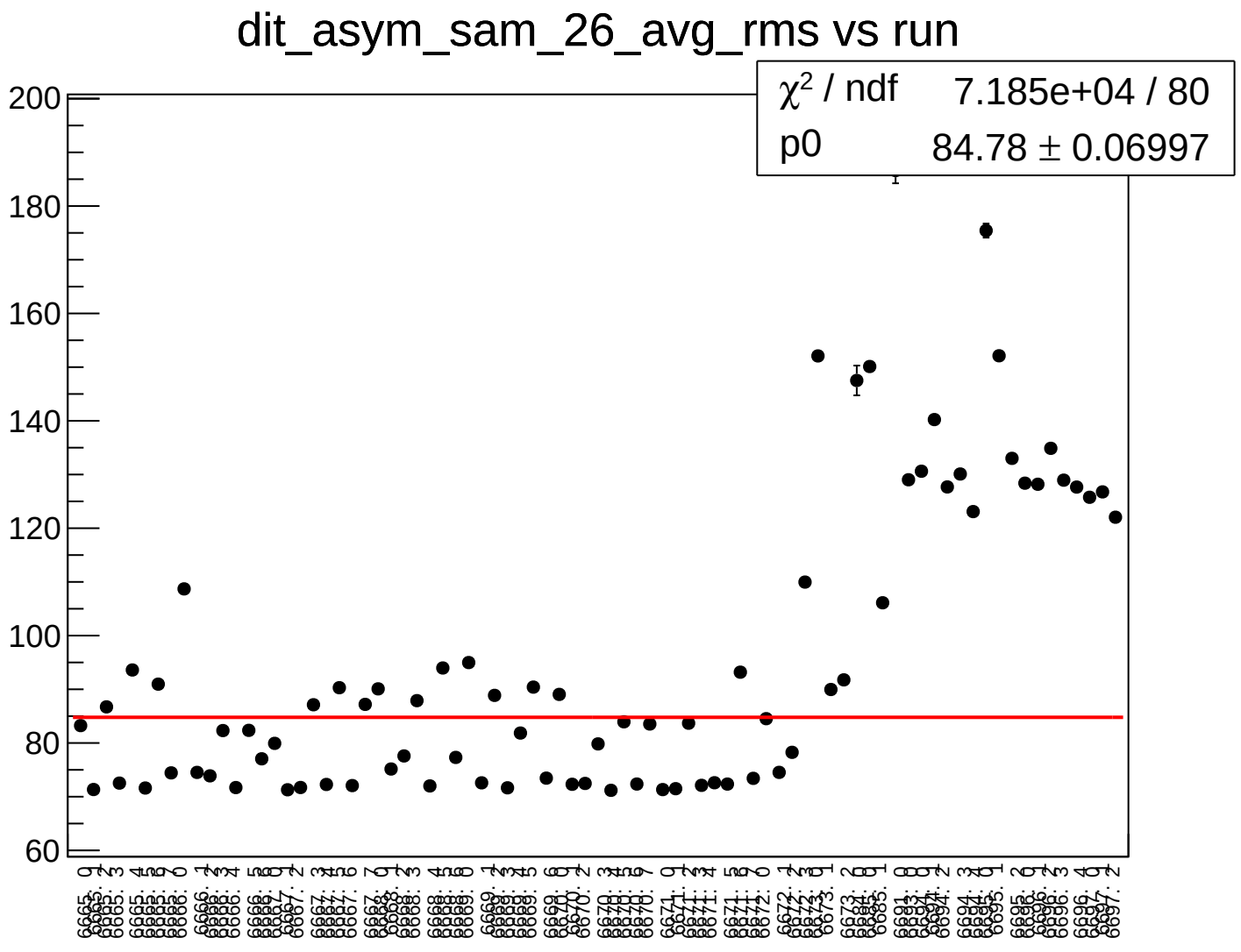

asym_sam_15_avg_mean vs run
χ² / ndf 67.78 / 80
p0 213 ± 331.9
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 150.1
Std Dev 64.04
3
2
1
0
−1
−2

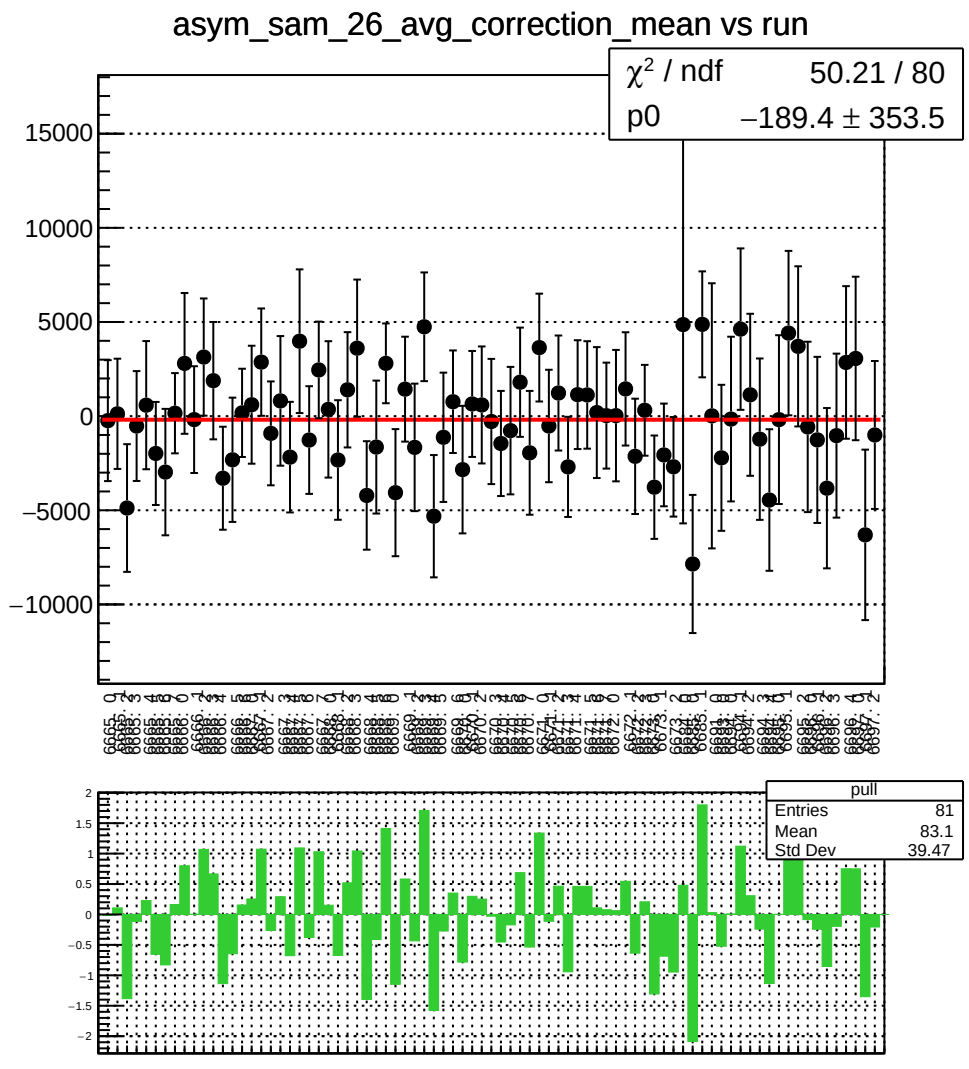

pull1D
Entries 81
Mean 0.009856
Std Dev 0.9147
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

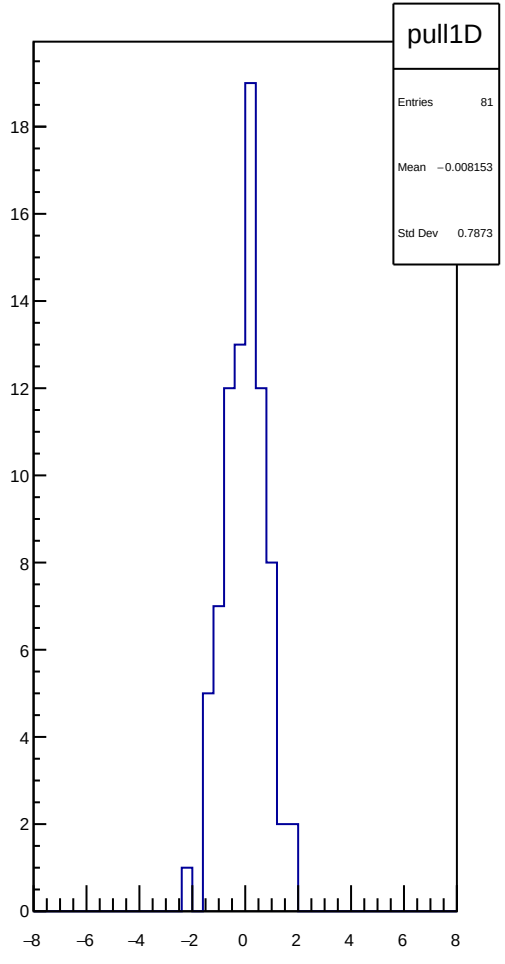

asym_sam_15_avg_rms vs run
χ² / ndf 1.064e+04 / 80
p0 290.3 ± 0.2347
360
340
320
300
280
260

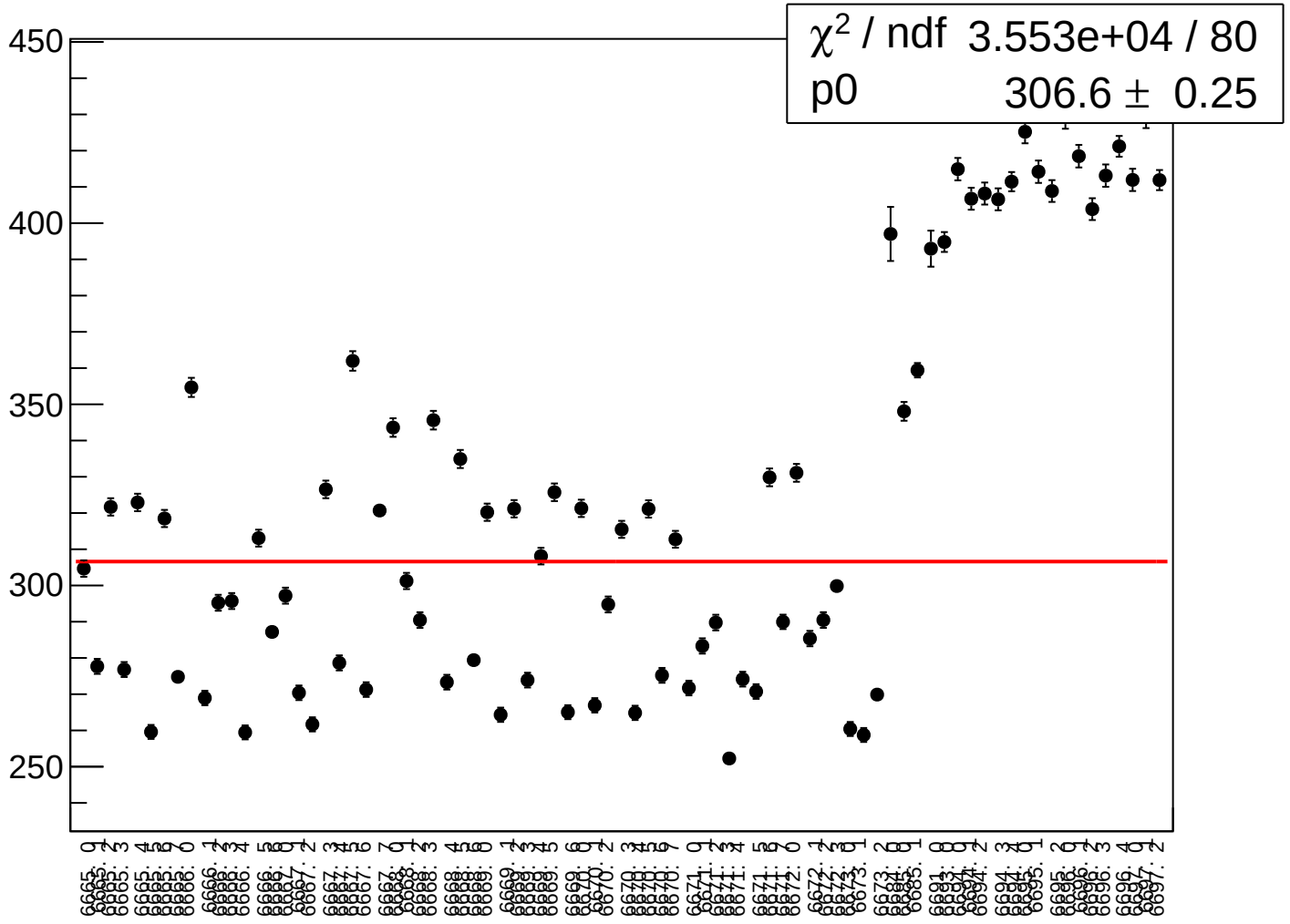

dit_asym_sam_26_avg_mean vs run
χ² / ndf 82.45 / 80
p0 50.08 ± 98.96
6000
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 3.677
Std Dev 86.72
3
2
1
0
−1
−2

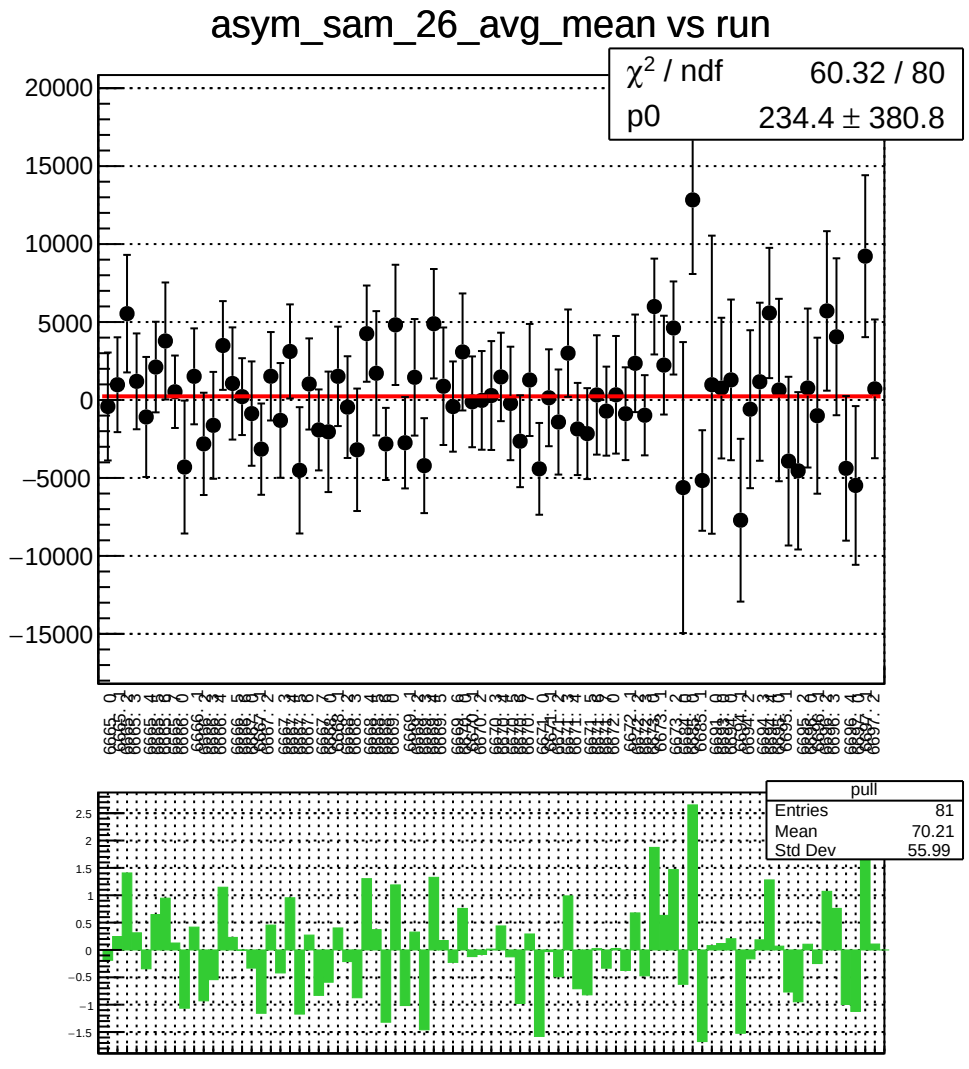

pull1D
Entries 81
Mean 0.008501
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

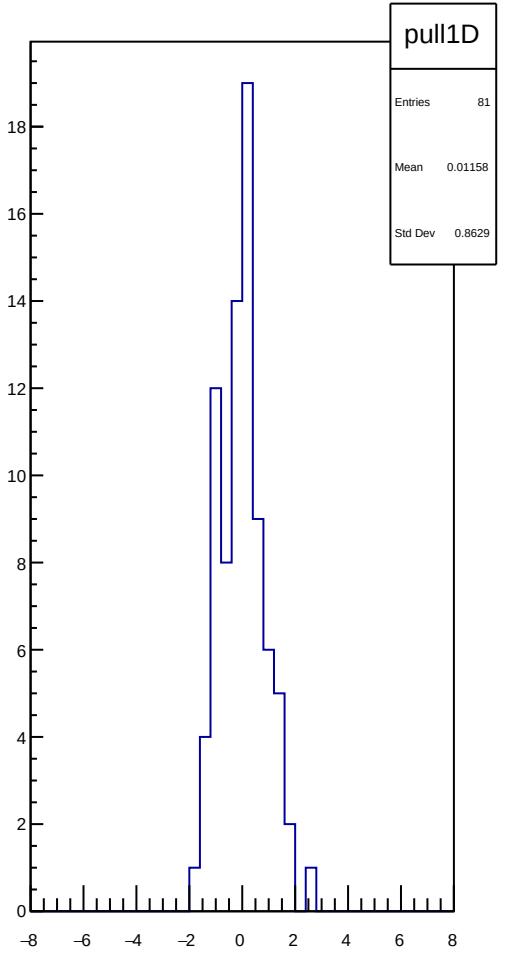

dit_asym_sam_26_avg_rms vs run
χ² / ndf 7.185e+04 / 80
p0 84.78 ± 0.06997
200
180
160
140
120
100
80
60

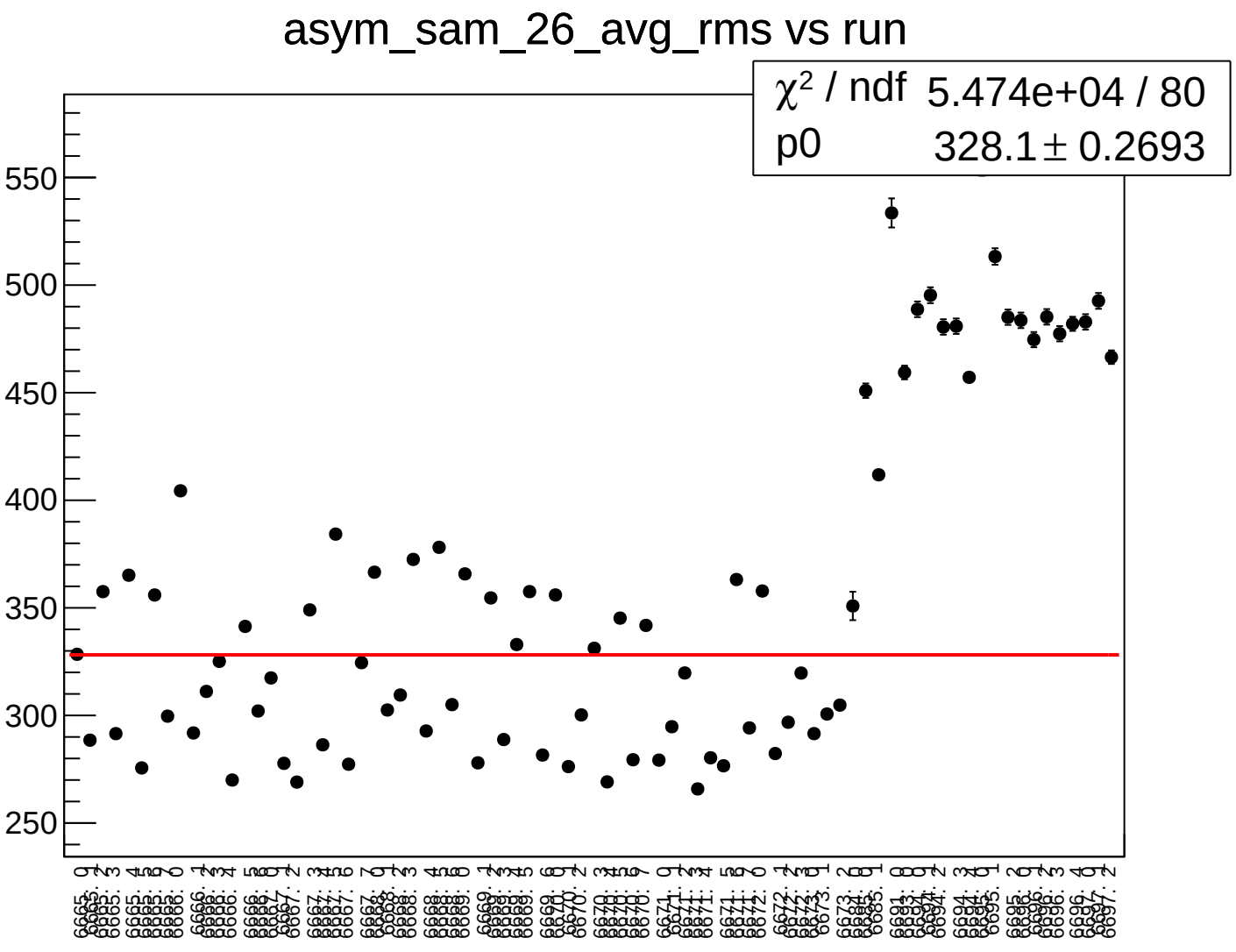

asym_sam_26_avg_correction_mean vs run
χ² / ndf 50.21 / 80
p0 −189.4 ± 353.5
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 83.1
Std Dev 39.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

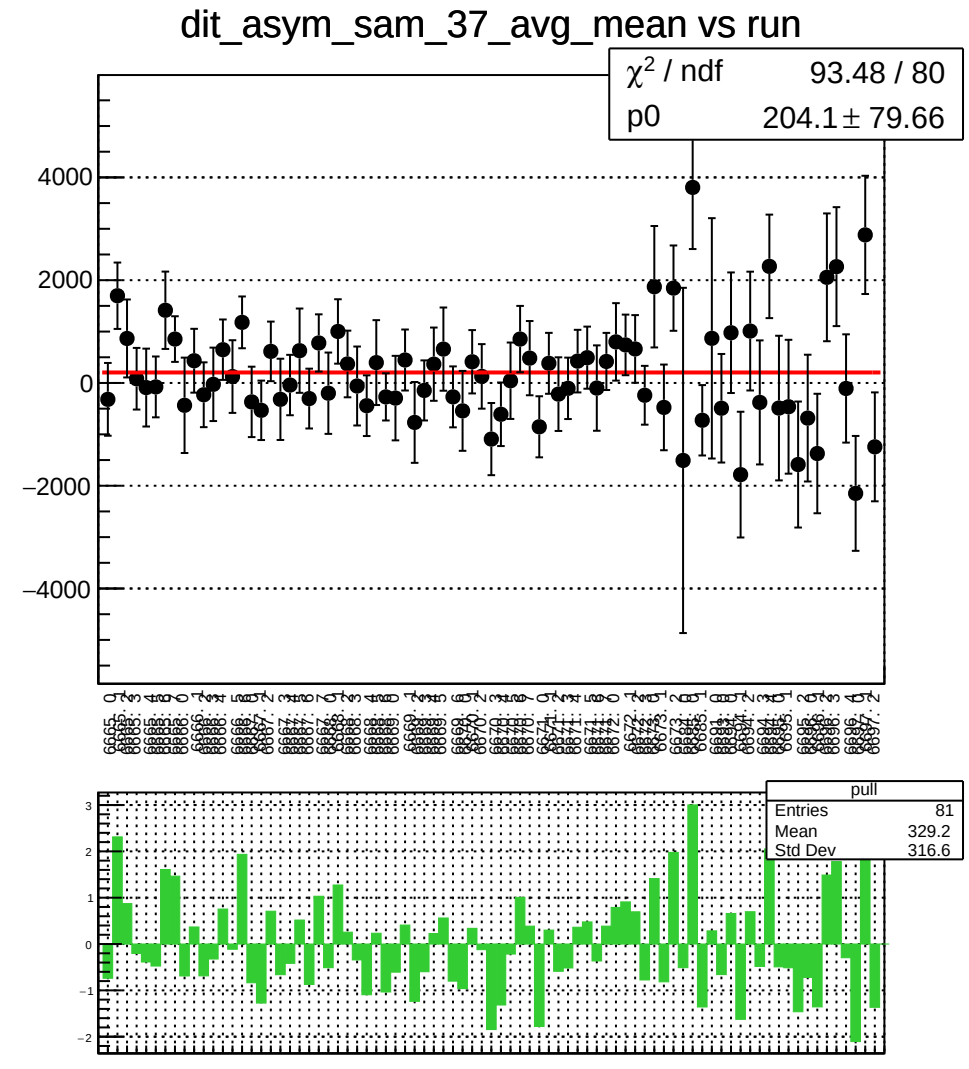

pull1D
Entries 81
Mean −0.008153
Std Dev 0.7873
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

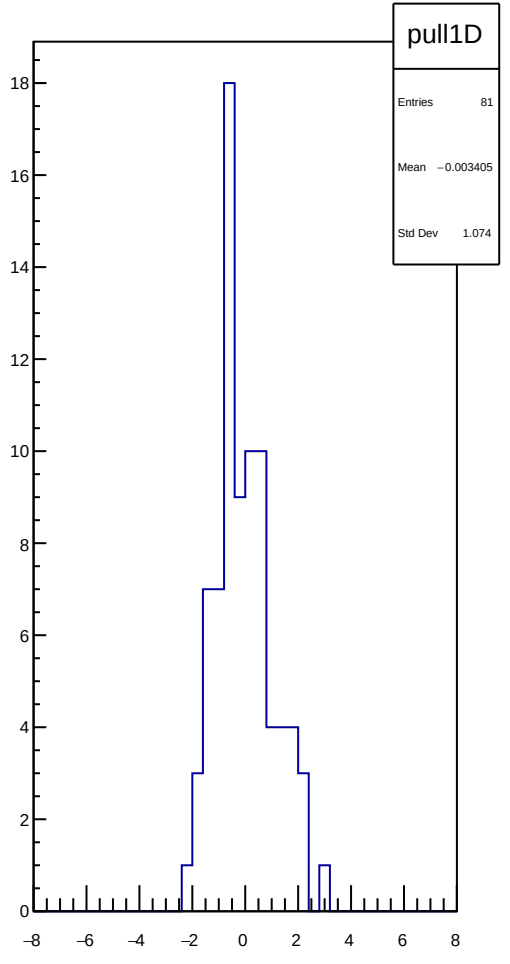

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3.553e+04 / 80
p0 306.6 ± 0.25
450
400
350
300
250

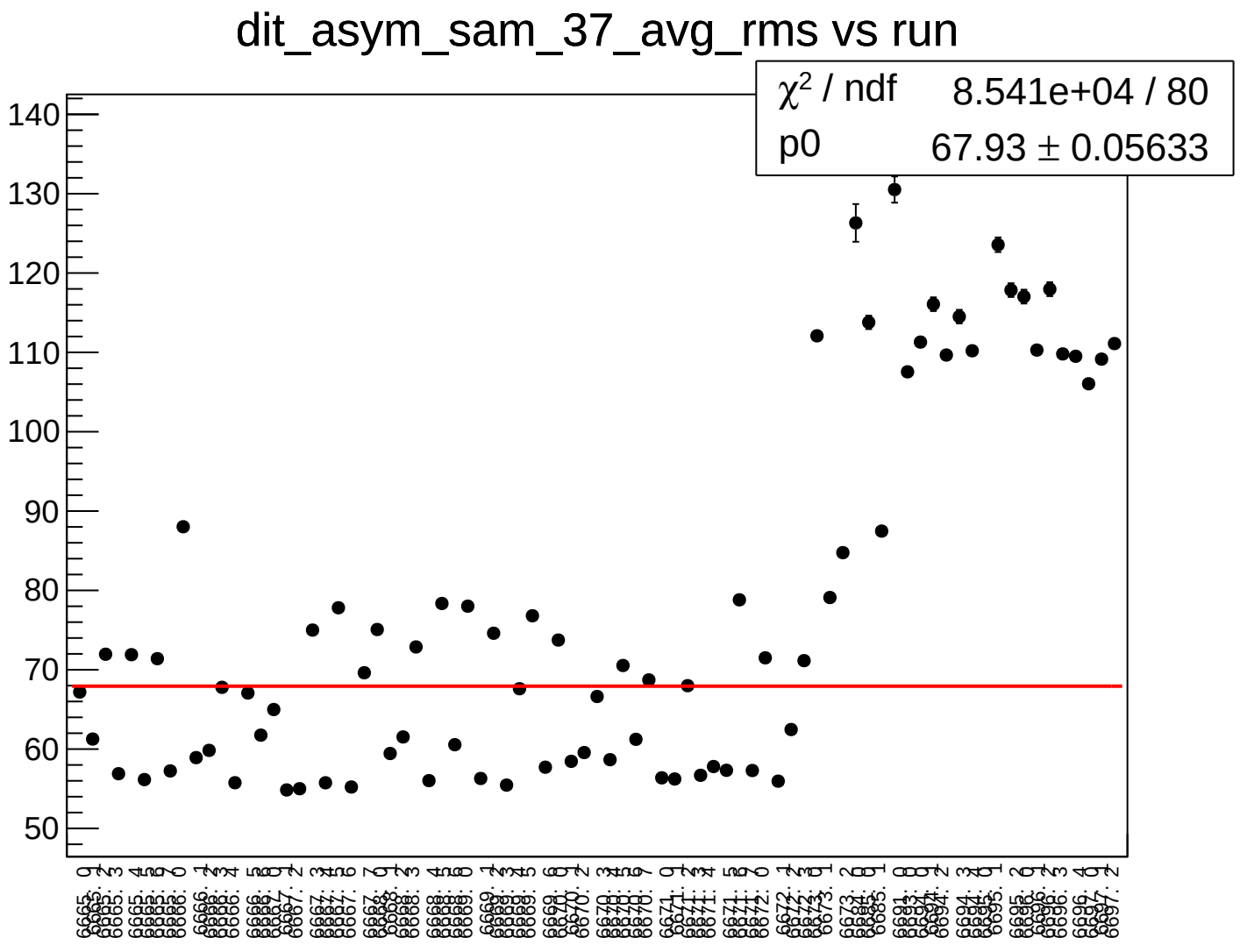

asym_sam_26_avg_mean vs run
χ² / ndf 60.32 / 80
p0 234.4 ± 380.8
pull
Entries 81
Mean 70.21
Std Dev 55.99

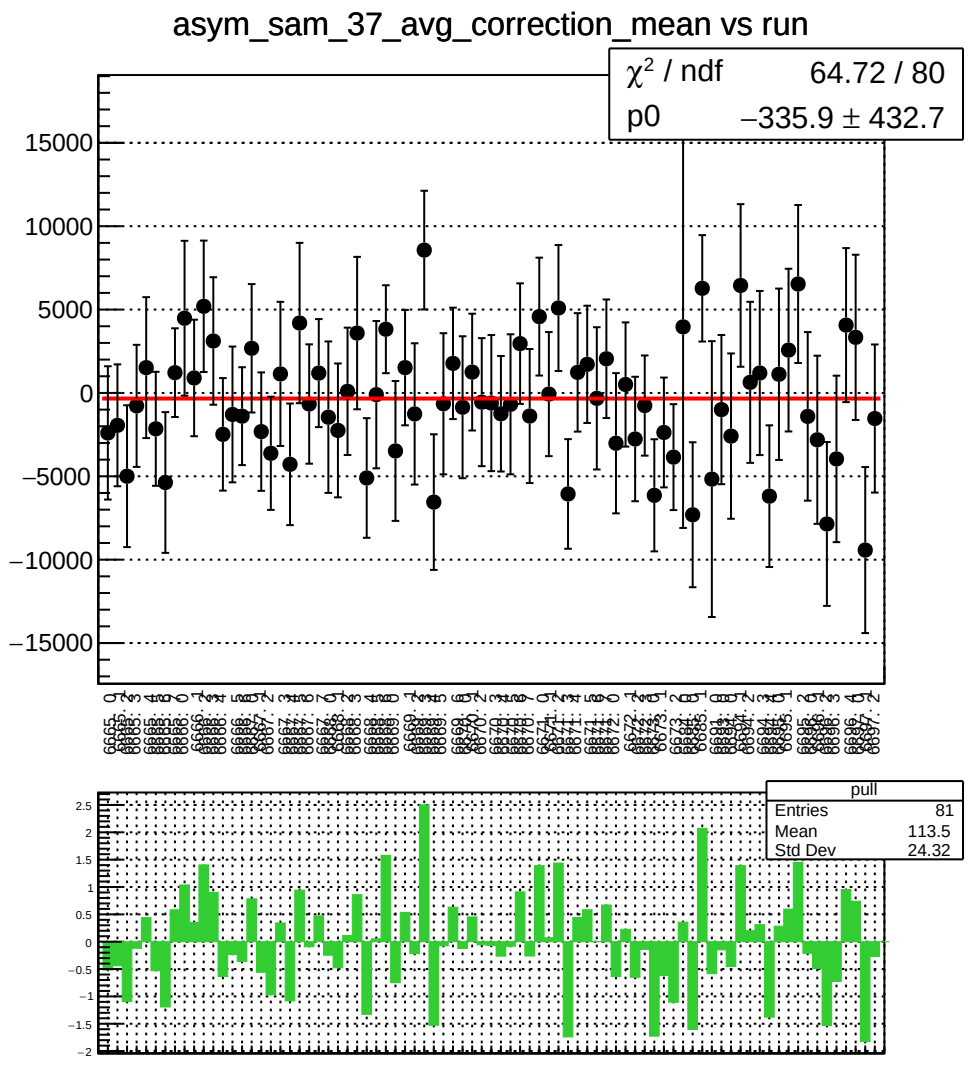

pull1D
Entries 81
Mean 0.01158
Std Dev 0.8629

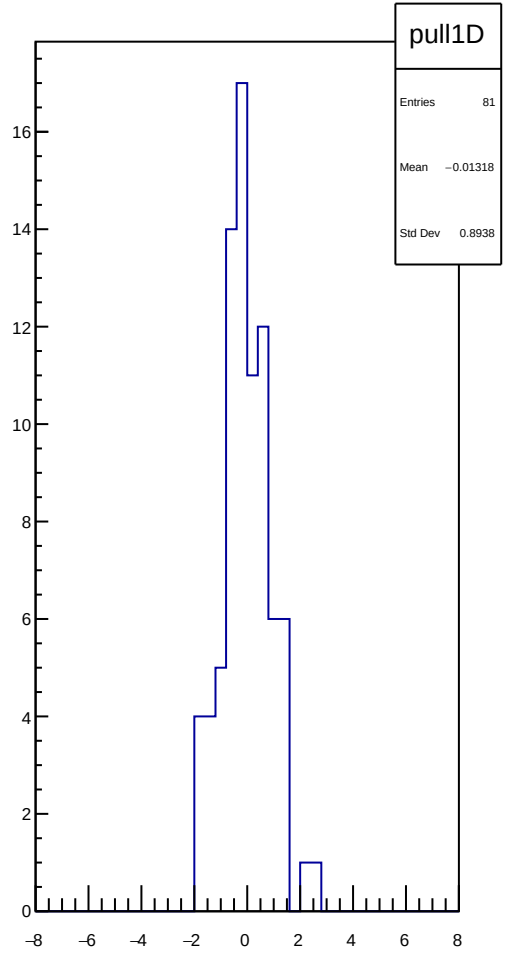

asym_sam_26_avg_rms vs run
χ² / ndf 5.474e+04 / 80
p0 328.1 ± 0.2693
550
500
450
400
350
300
250

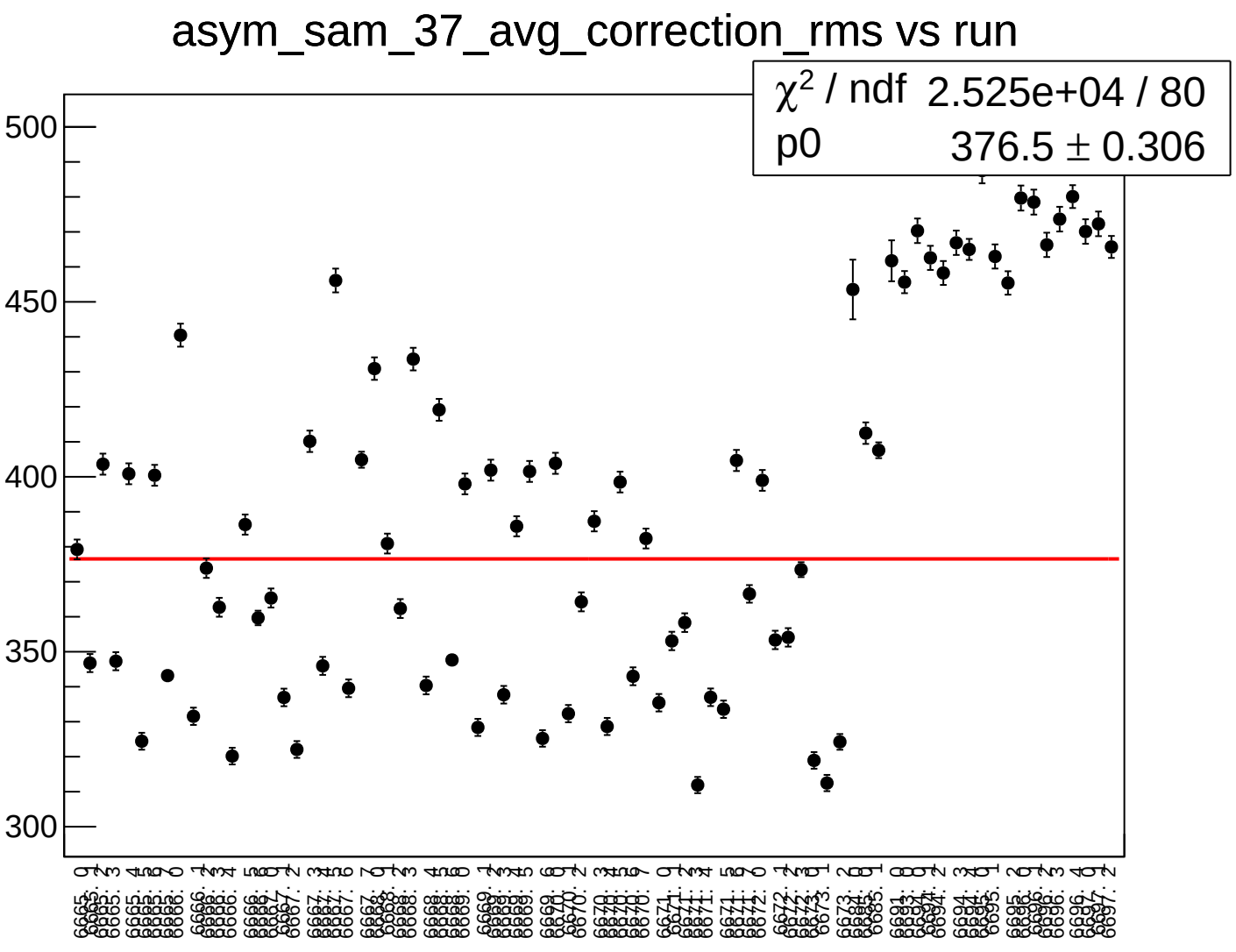

dit_asym_sam_37_avg_mean vs run
χ² / ndf 93.48 / 80
p0 204.1 ± 79.66
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 329.2
Std Dev 316.6
3
2
1
0
−1
−2

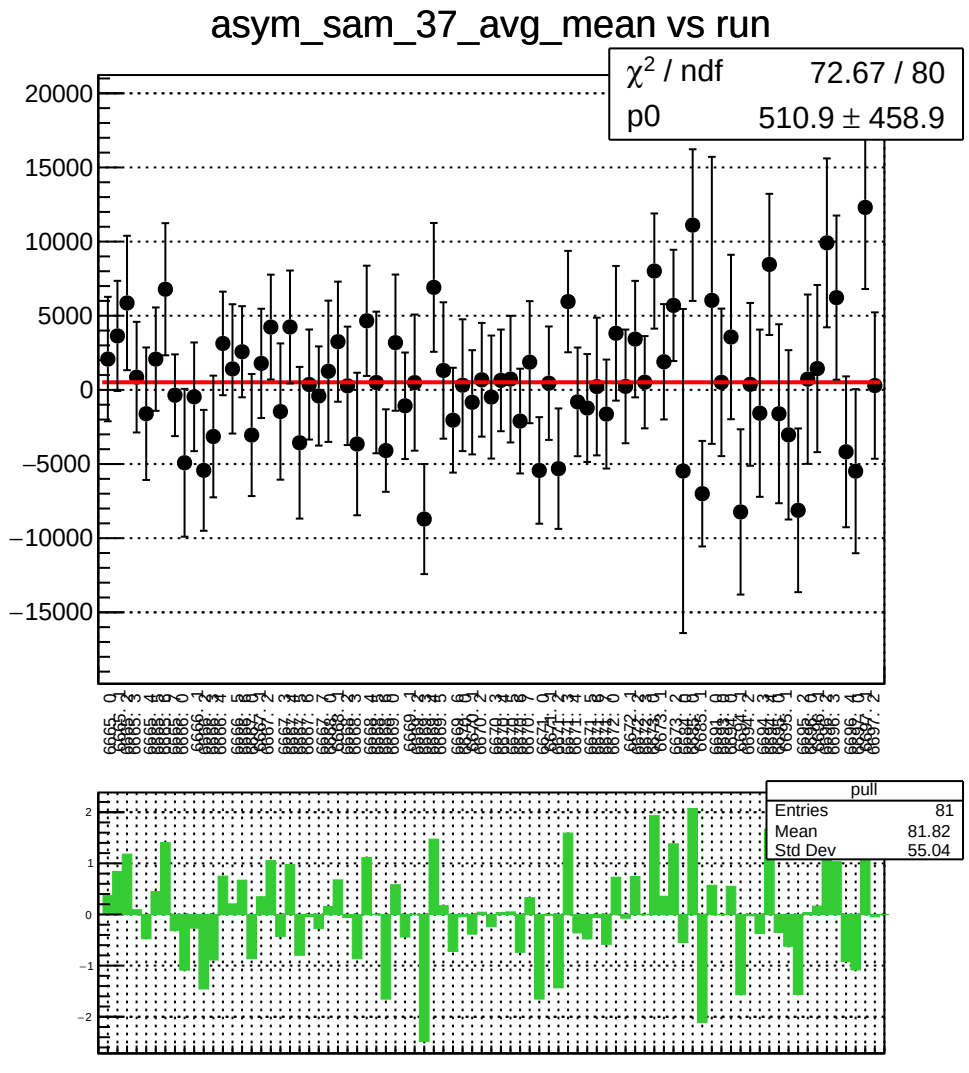

pull1D
Entries 81
Mean −0.003405
Std Dev 1.074
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

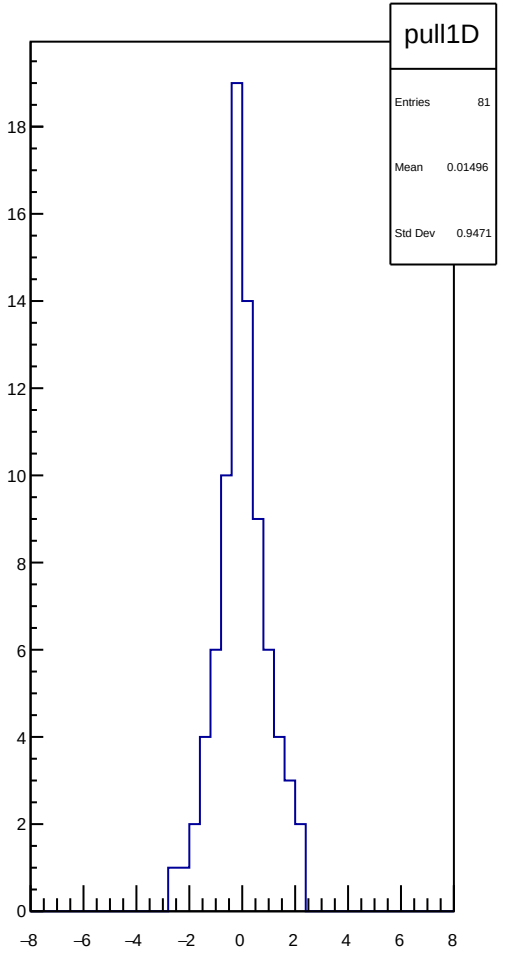

dit_asym_sam_37_avg_rms vs run
$\chi^2$ / ndf 8.541e+04 / 80
p0 67.93 ± 0.05633
140
130
120
110
100
90
80
70
60
50

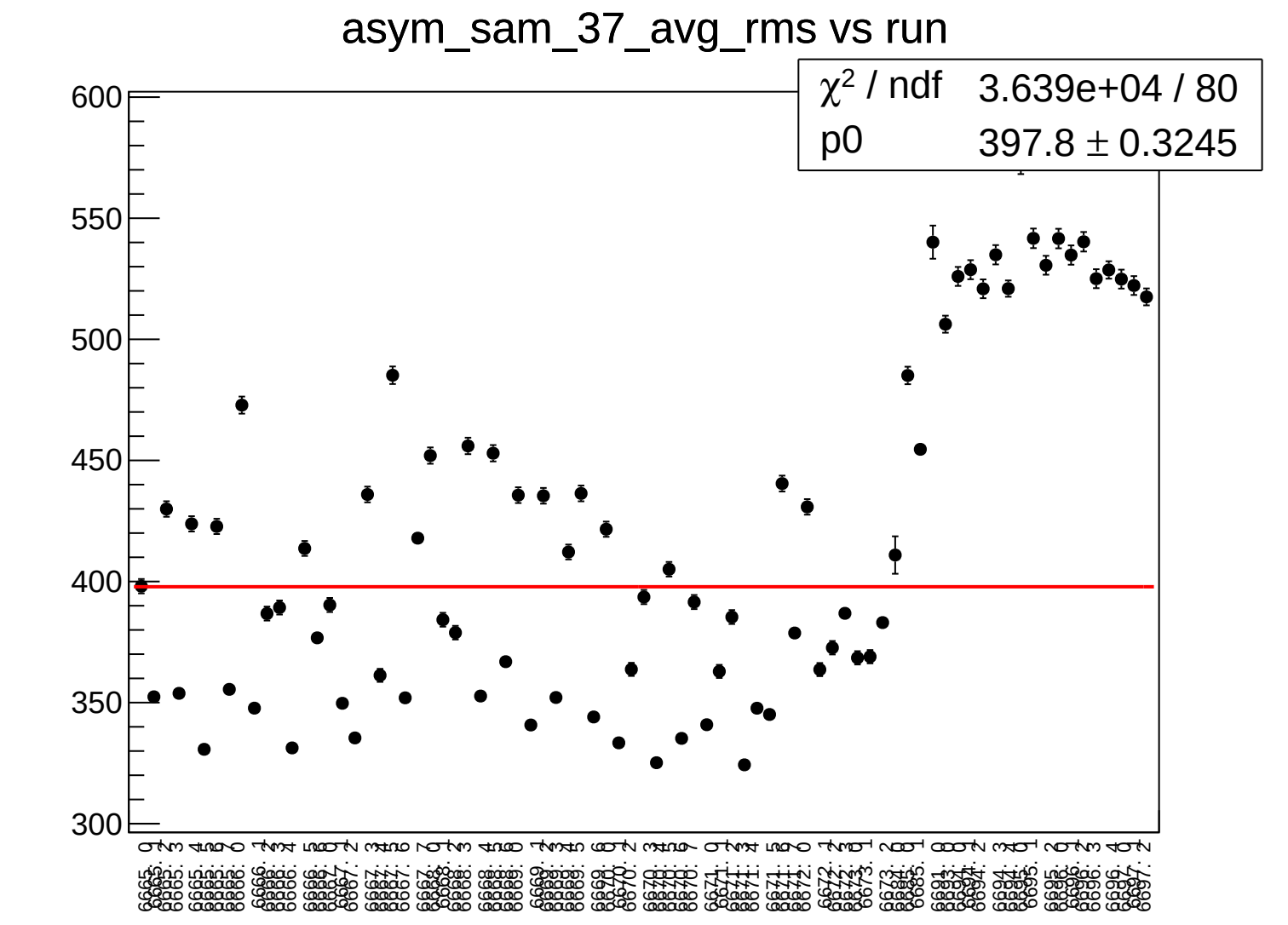

asym_sam_37_avg_correction_mean vs run
χ² / ndf 64.72 / 80
p0 −335.9 ± 432.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 113.5
Std Dev 24.32
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

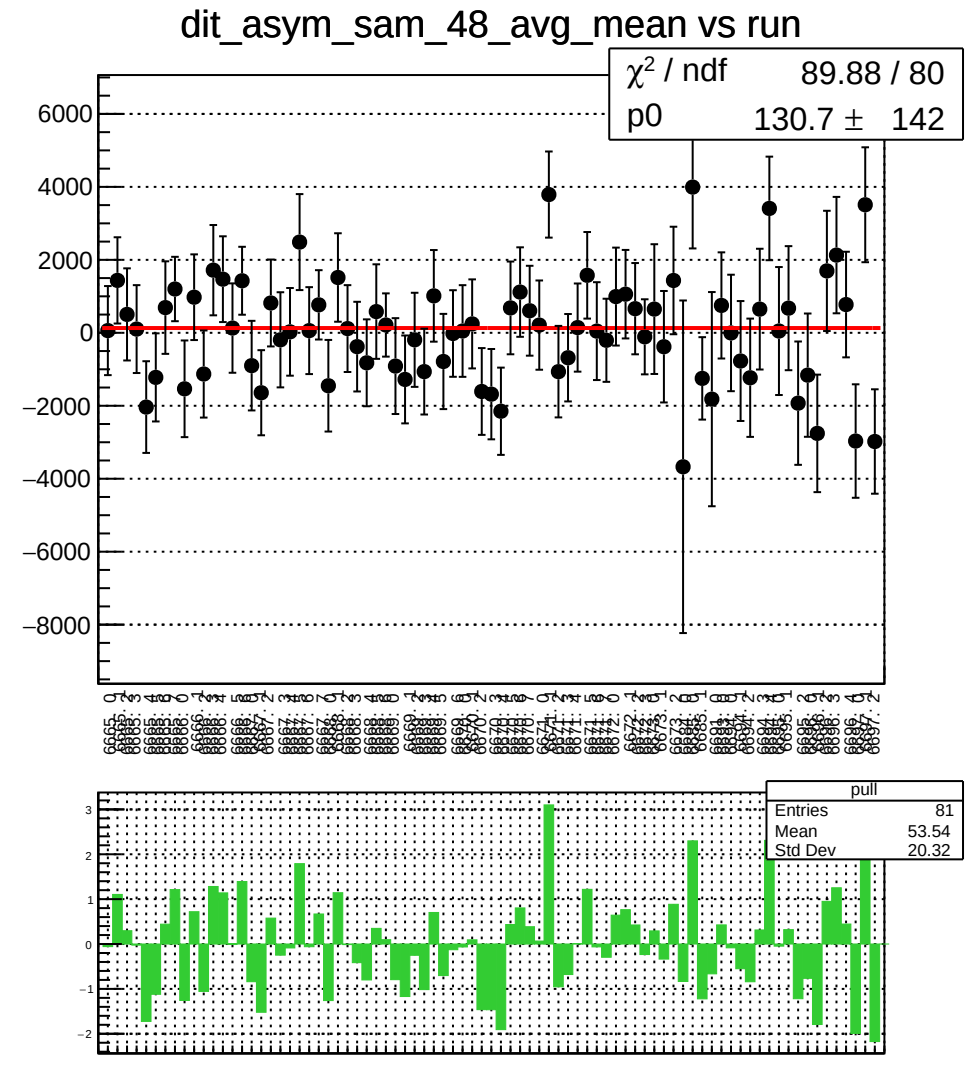

pull1D
Entries 81
Mean −0.01318
Std Dev 0.8938
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

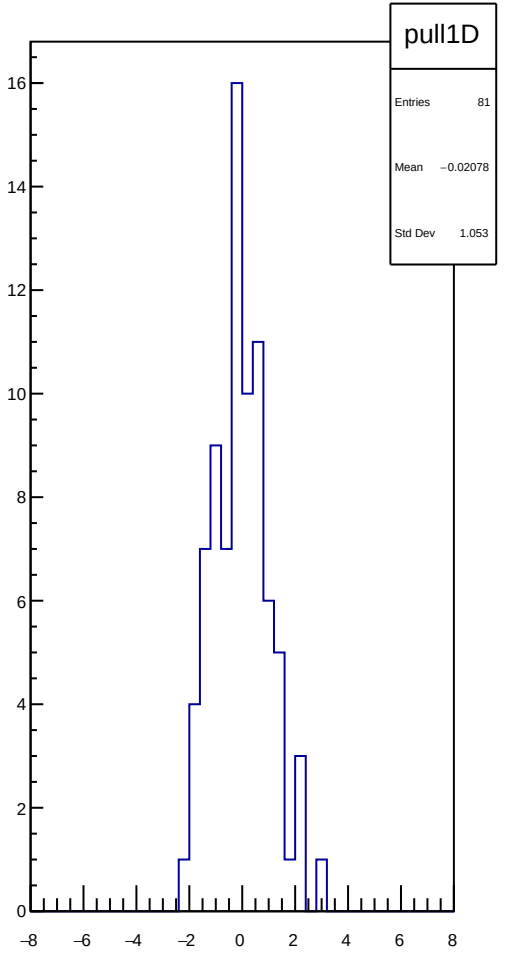

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2.525e+04 / 80
p0 376.5 ± 0.306
500
450
400
350
300

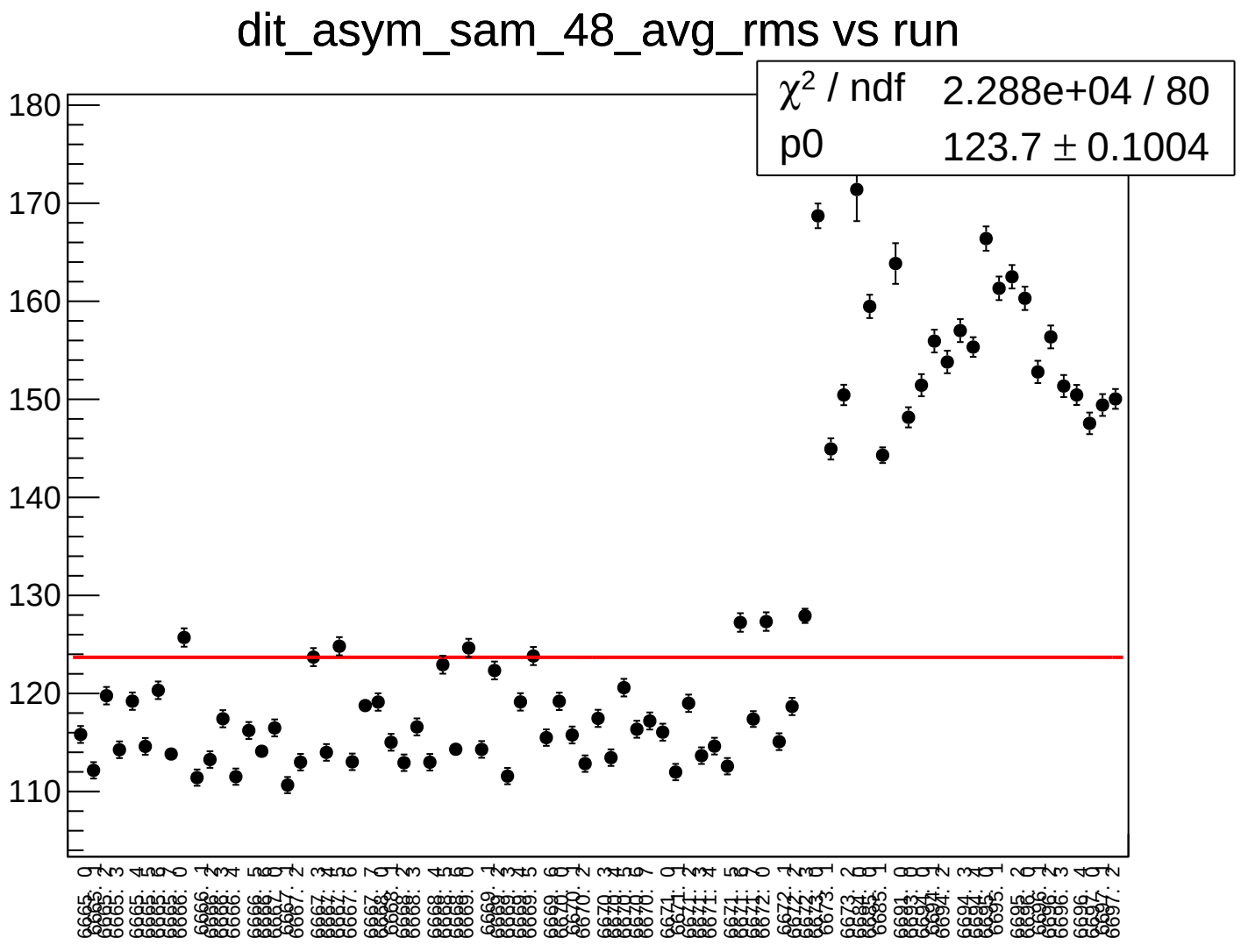

asym_sam_37_avg_mean vs run
χ² / ndf 72.67 / 80
p0 510.9 ± 458.9
pull
Entries 81
Mean 81.82
Std Dev 55.04

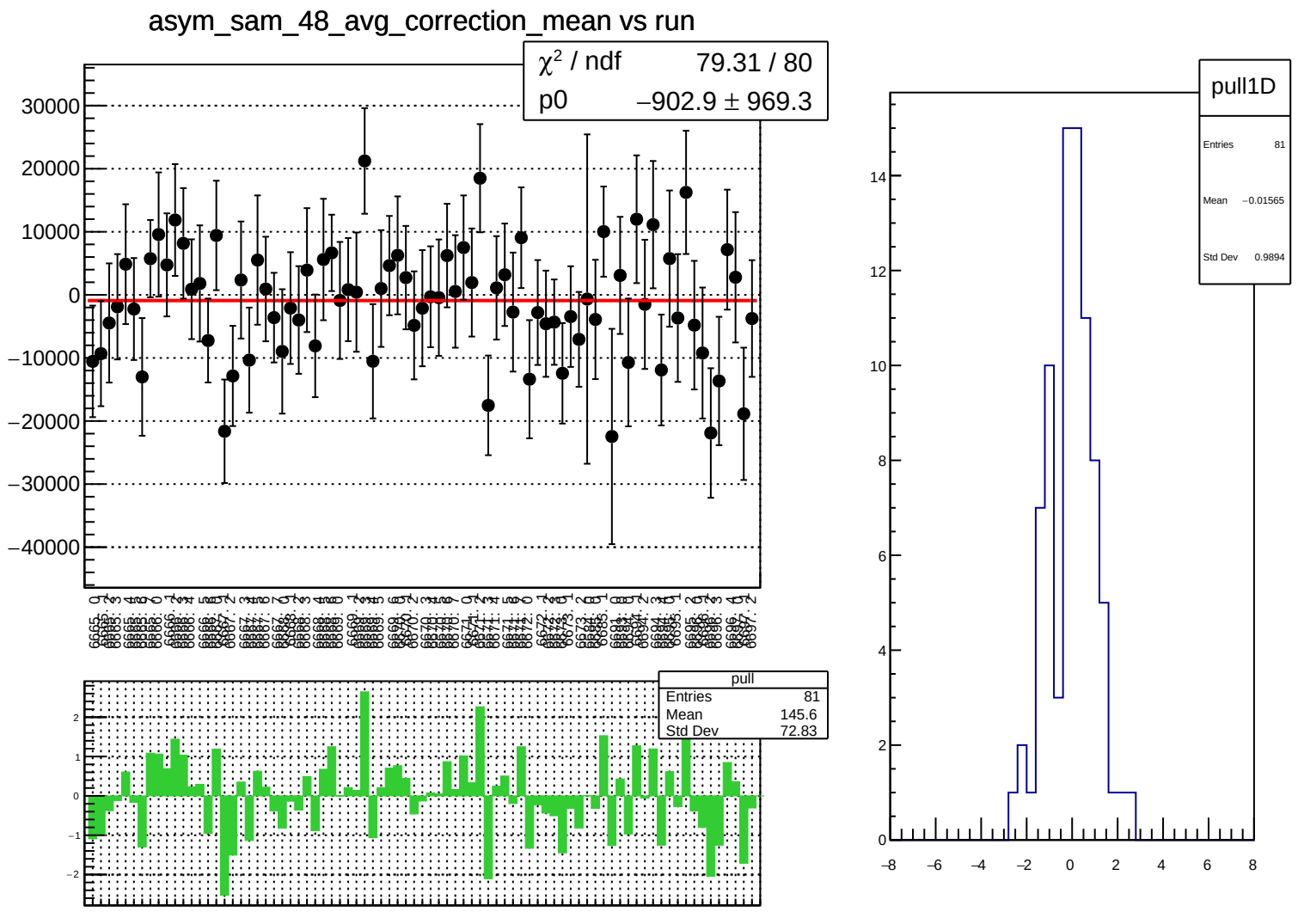

pull1D
Entries 81
Mean 0.01496
Std Dev 0.9471

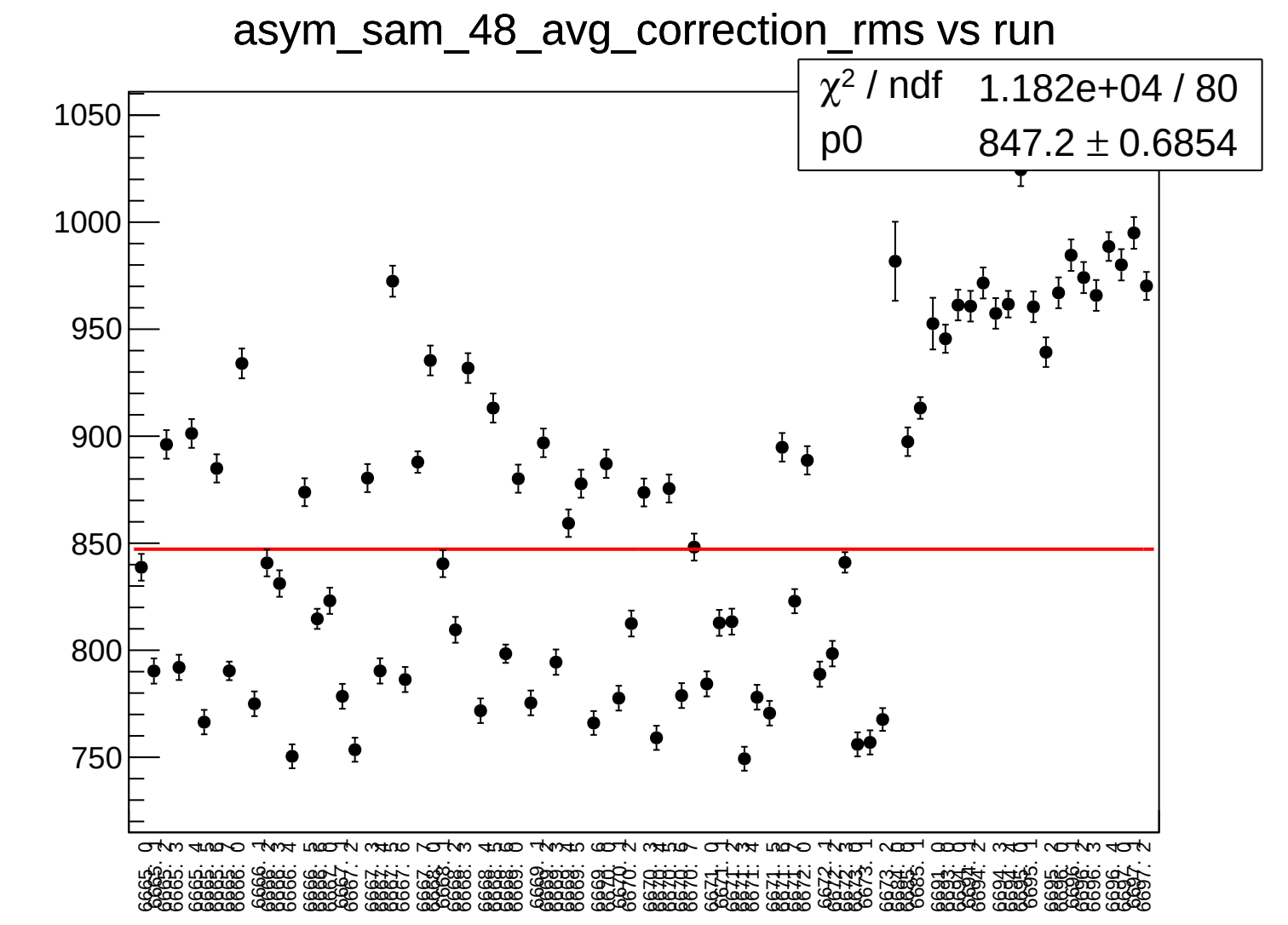

asym_sam_37_avg_rms vs run
χ² / ndf 3.639e+04 / 80
p0 397.8 ± 0.3245
600
550
500
450
400
350
300

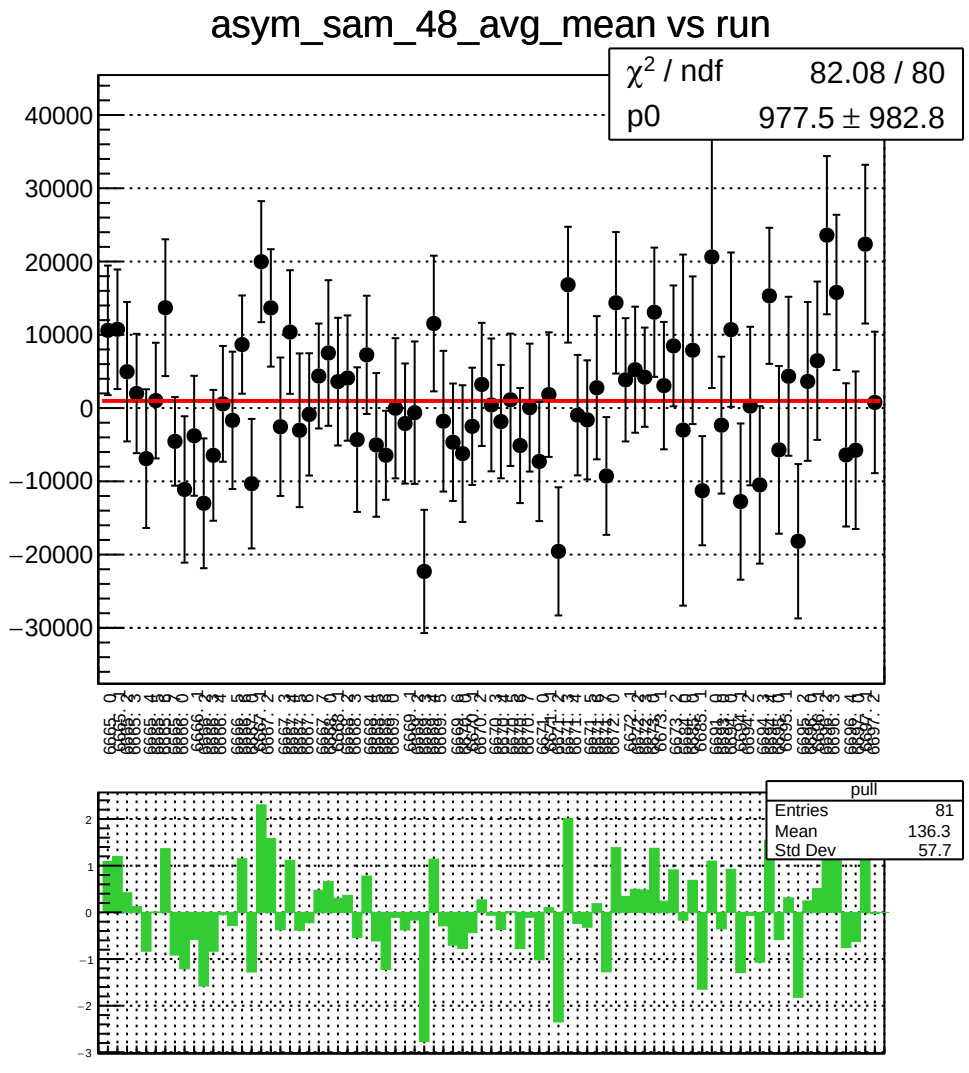

dit_asym_sam_48_avg_mean vs run
χ² / ndf 89.88 / 80
p0 130.7 ± 142
pull
Entries 81
Mean 53.54
Std Dev 20.32

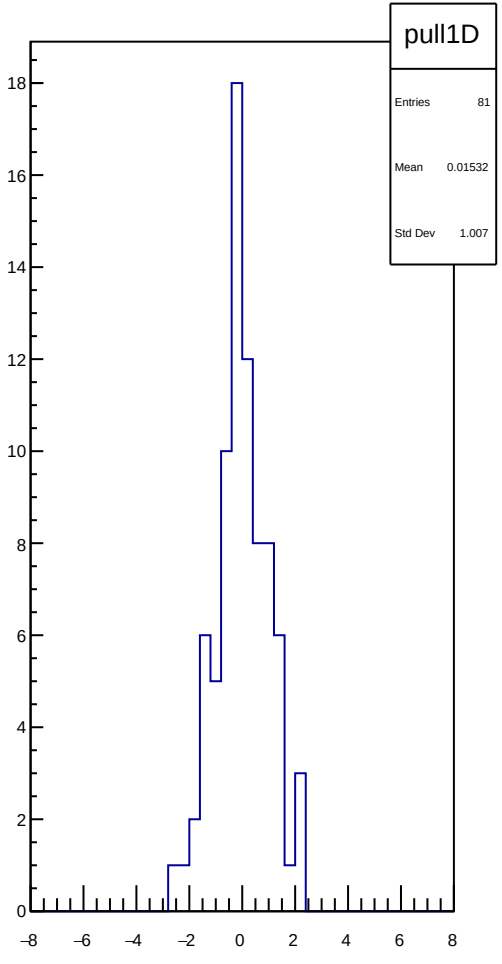

pull1D
Entries 81
Mean −0.02078
Std Dev 1.053

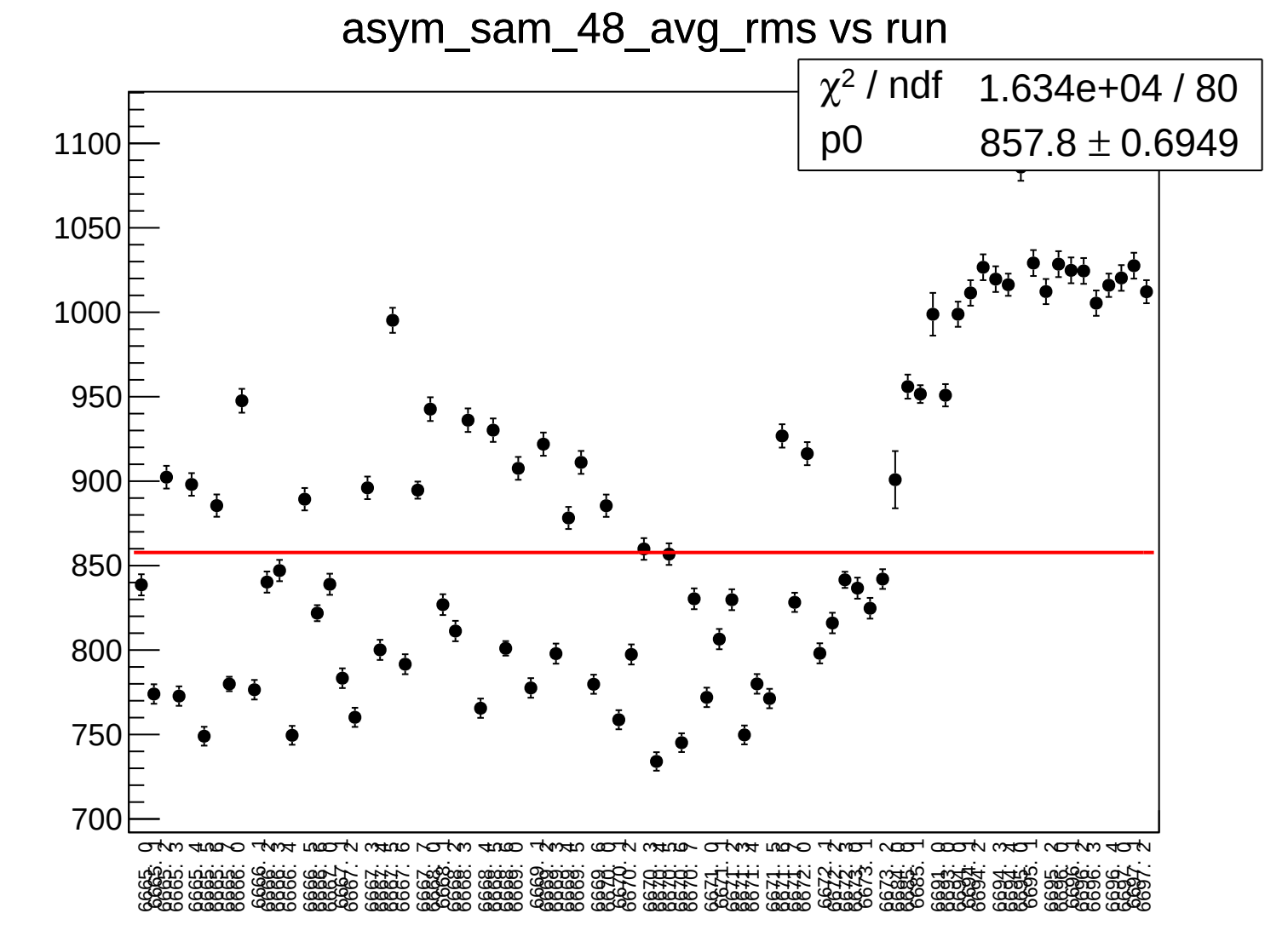

dit_asym_sam_48_avg_rms vs run
χ² / ndf 2.288e+04 / 80
p0 123.7 ± 0.1004
180
170
160
150
140
130
120
110

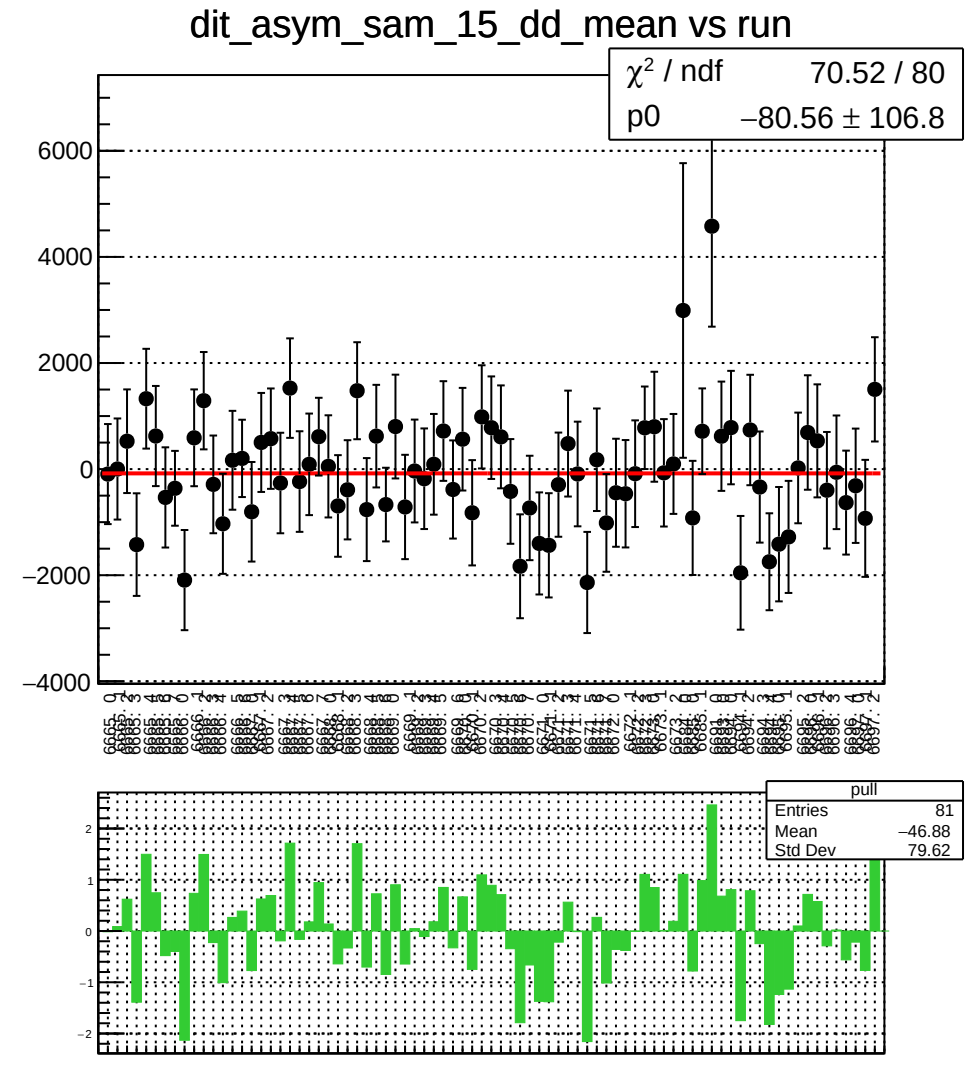

asym_sam_48_avg_correction_mean vs run
χ² / ndf 79.31 / 80
p0 −902.9 ± 969.3
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 81
Mean 145.6
Std Dev 72.83
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01565
Std Dev 0.9894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

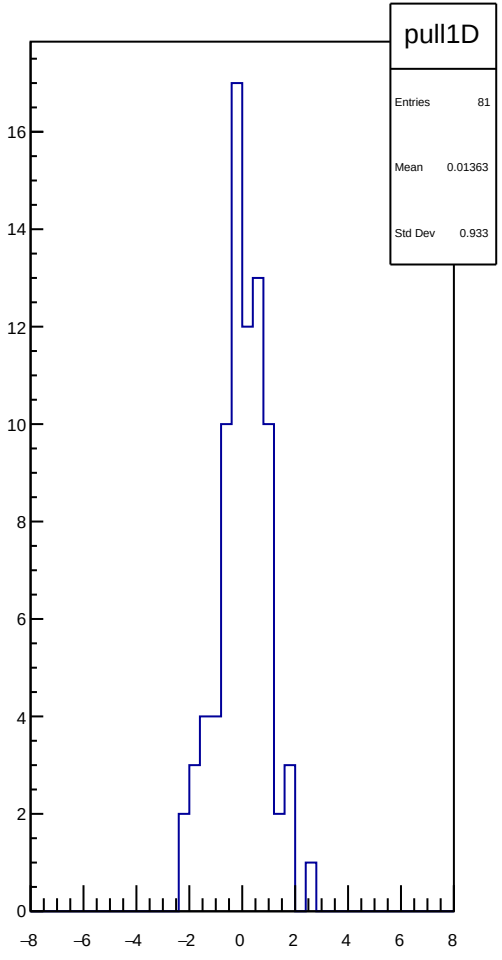

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1.182e+04 / 80
p0 847.2 ± 0.6854
1050
1000
950
900
850
800
750

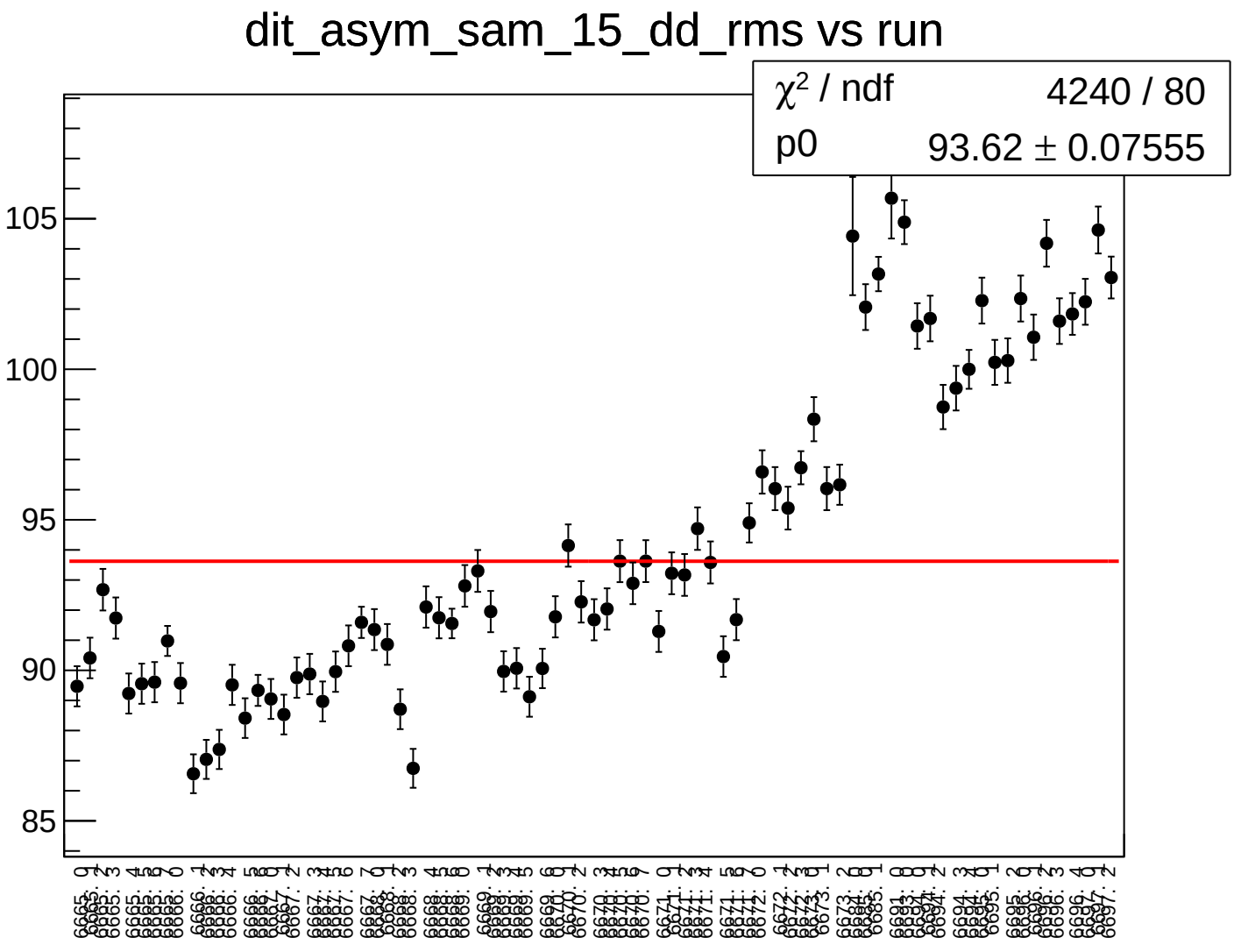

asym_sam_48_avg_mean vs run
χ² / ndf 82.08 / 80
p0 977.5 ± 982.8
pull
Entries 81
Mean 136.3
Std Dev 57.7

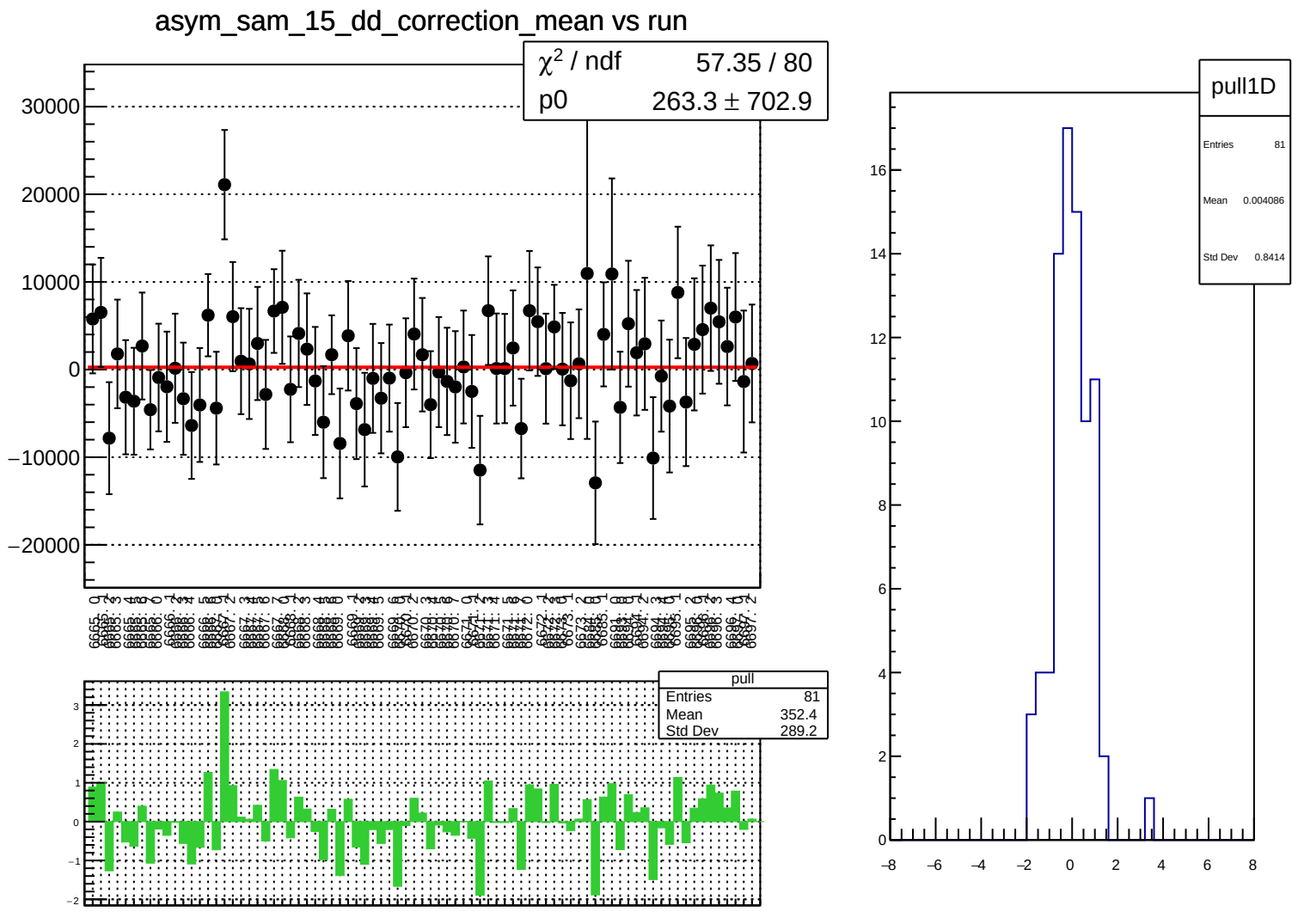

pull1D
Entries 81
Mean 0.01532
Std Dev 1.007

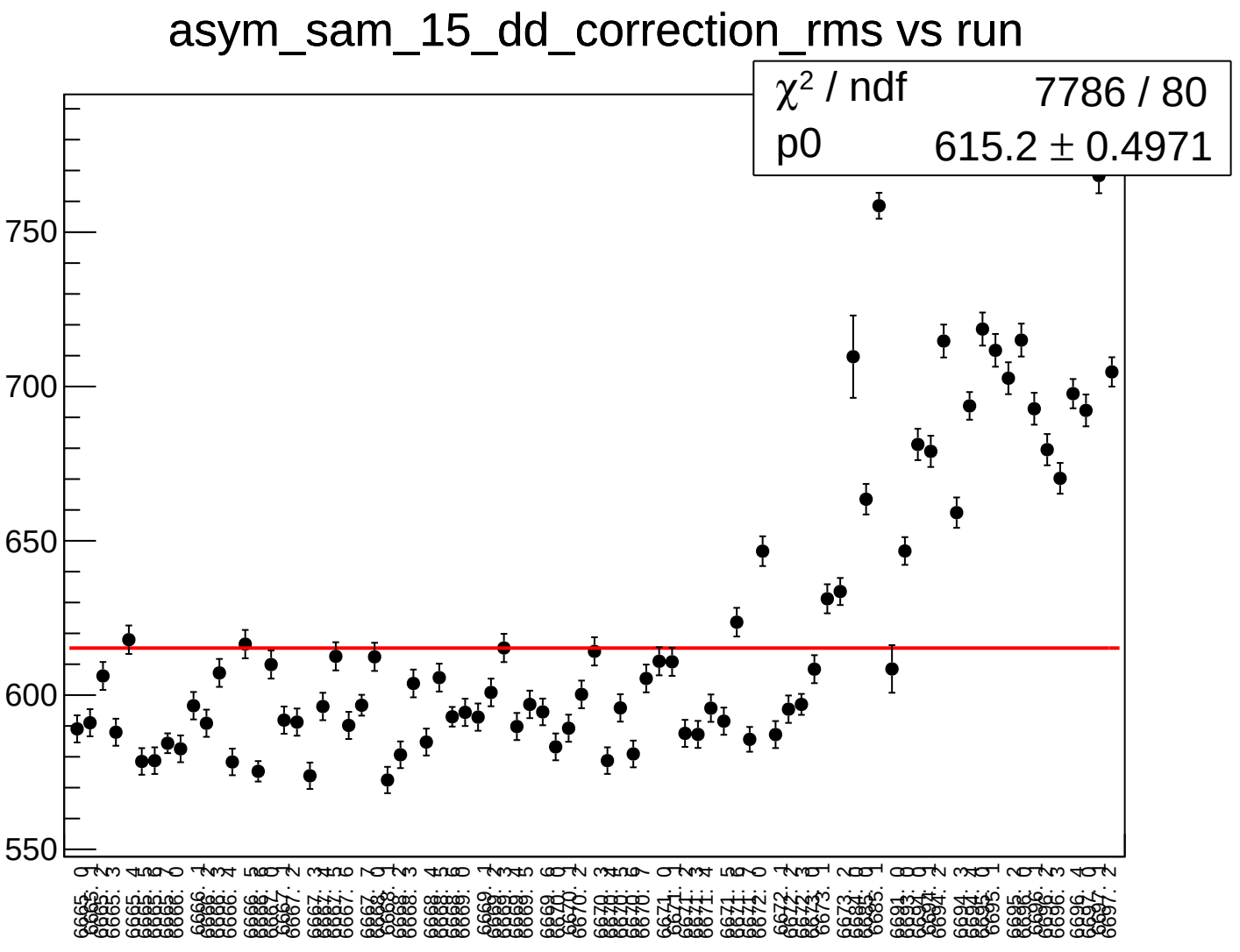

asym_sam_48_avg_rms vs run
χ² / ndf 1.634e+04 / 80
p0 857.8 ± 0.6949
1100
1050
1000
950
900
850
800
750
700

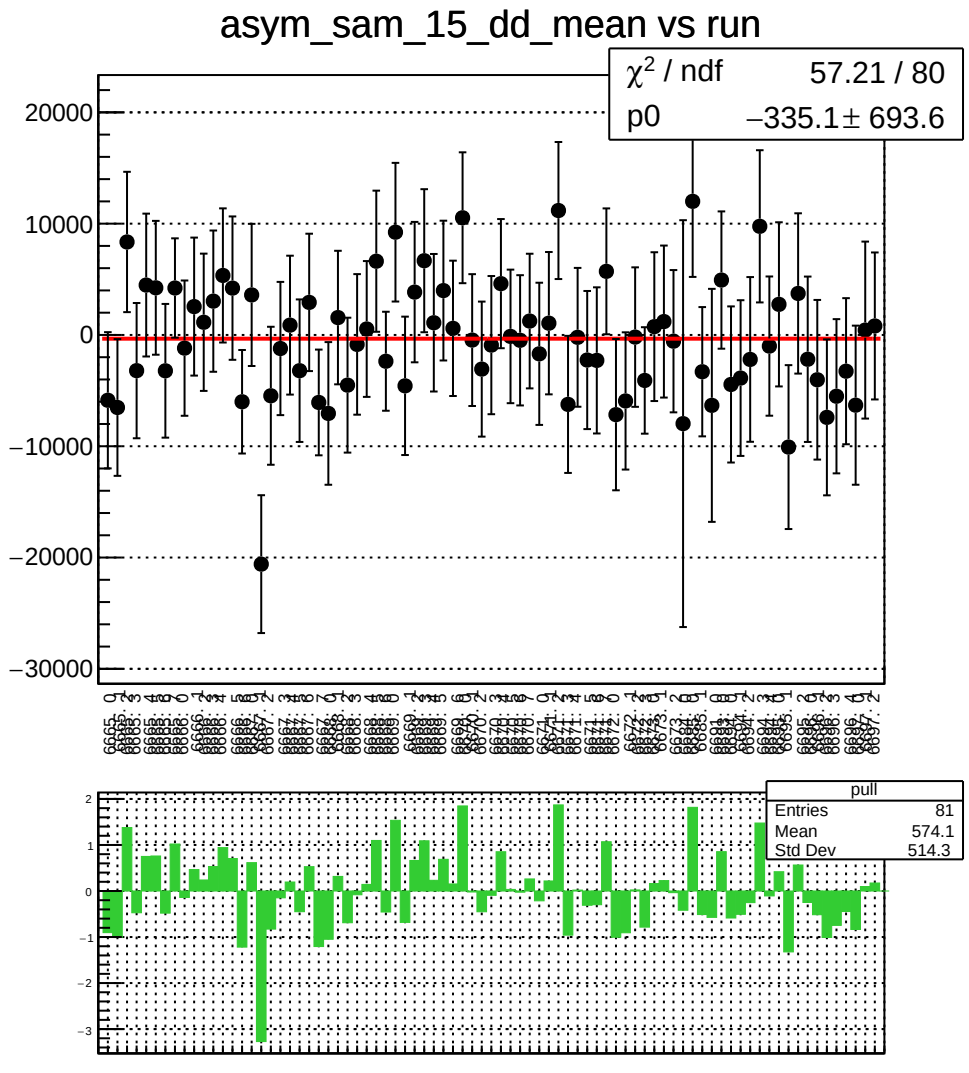

dit_asym_sam_15_dd_mean vs run
χ² / ndf 70.52 / 80
p0 −80.56 ± 106.8
pull
Entries 81
Mean −46.88
Std Dev 79.62

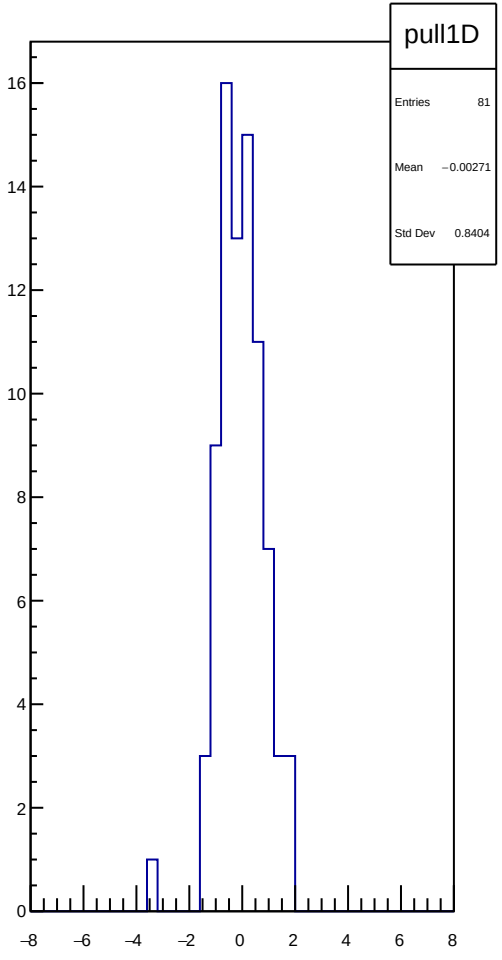

pull1D
Entries 81
Mean 0.01363
Std Dev 0.933

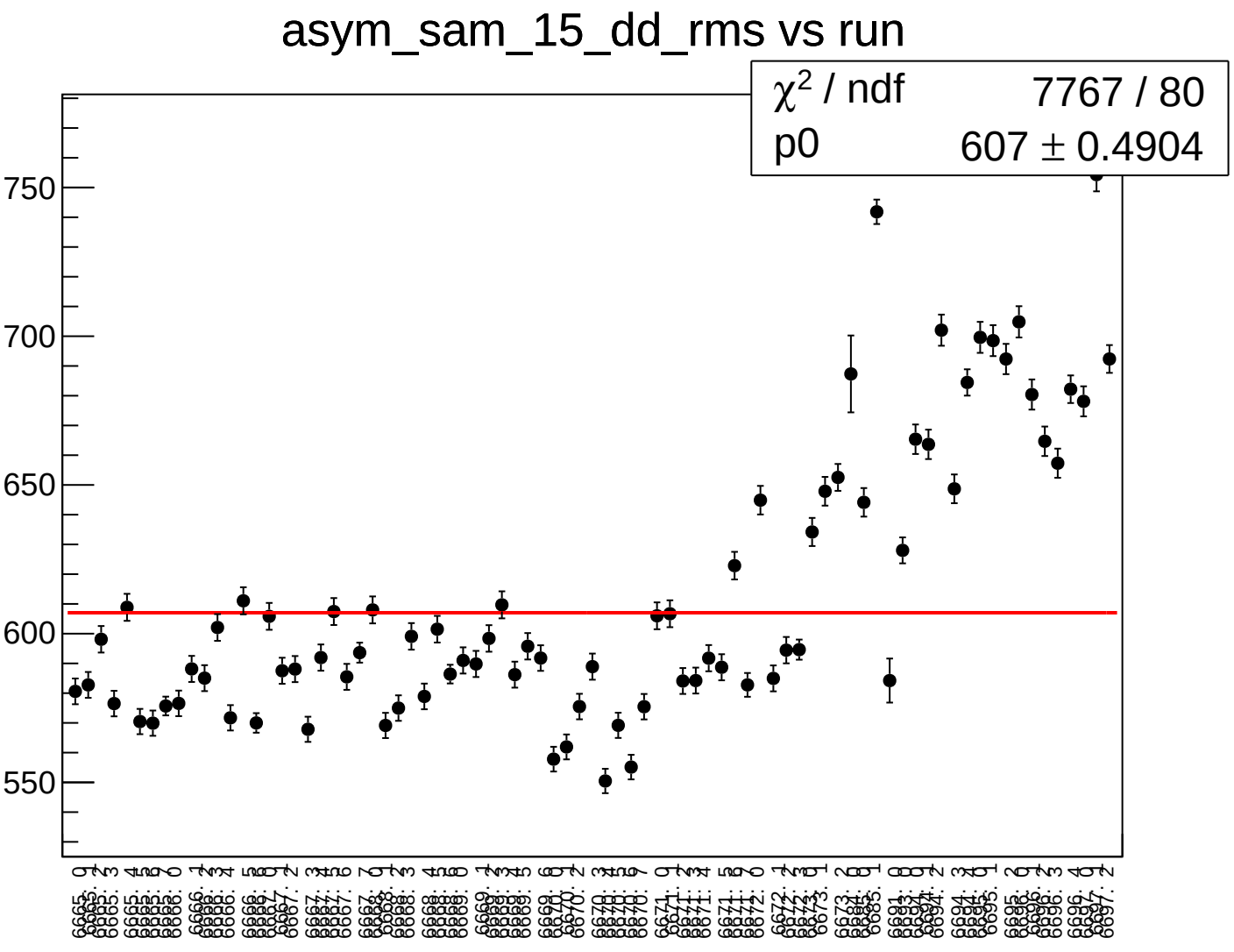

dit_asym_sam_15_dd_rms vs run
χ² / ndf 4240 / 80
p0 93.62 ± 0.07555
105
100
95
90
85

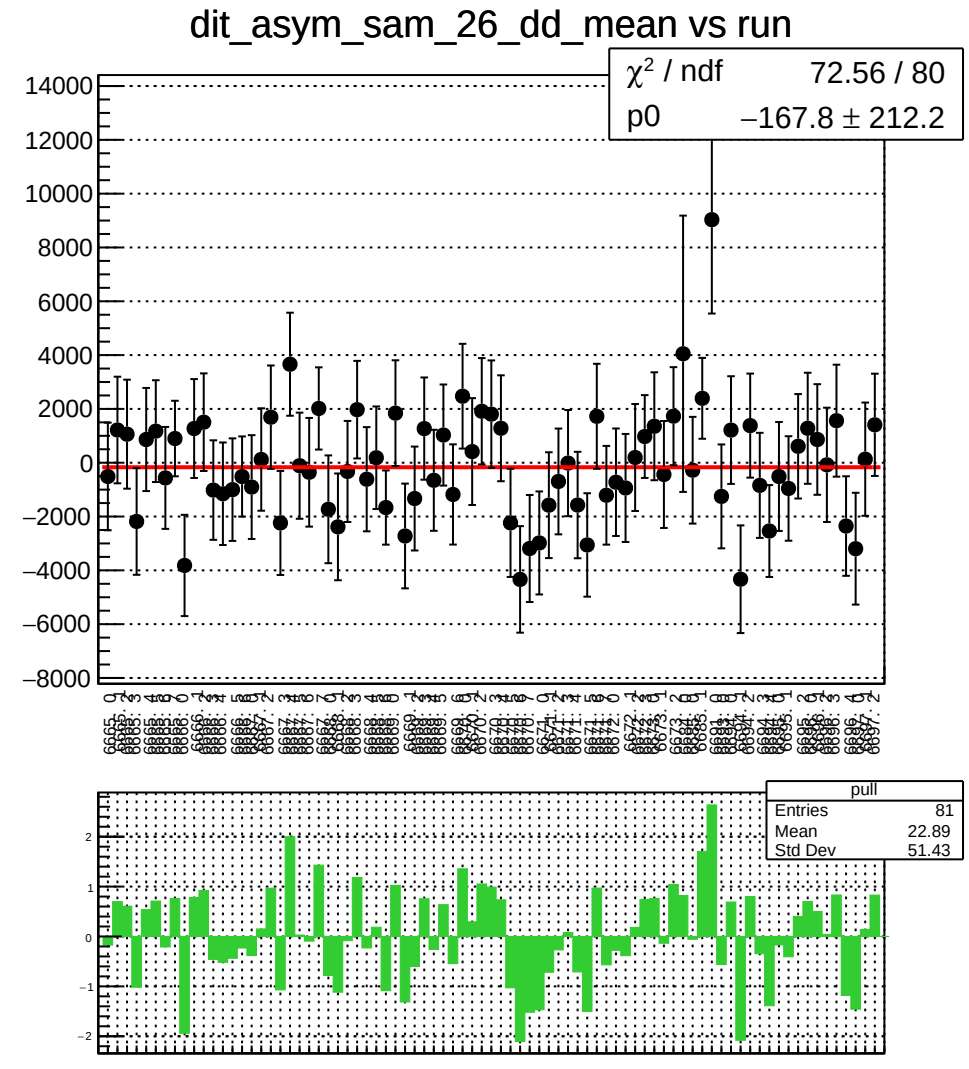

asym_sam_15_dd_correction_mean vs run
χ² / ndf 57.35 / 80
p0 263.3 ± 702.9
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 352.4
Std Dev 289.2
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.004086
Std Dev 0.8414
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

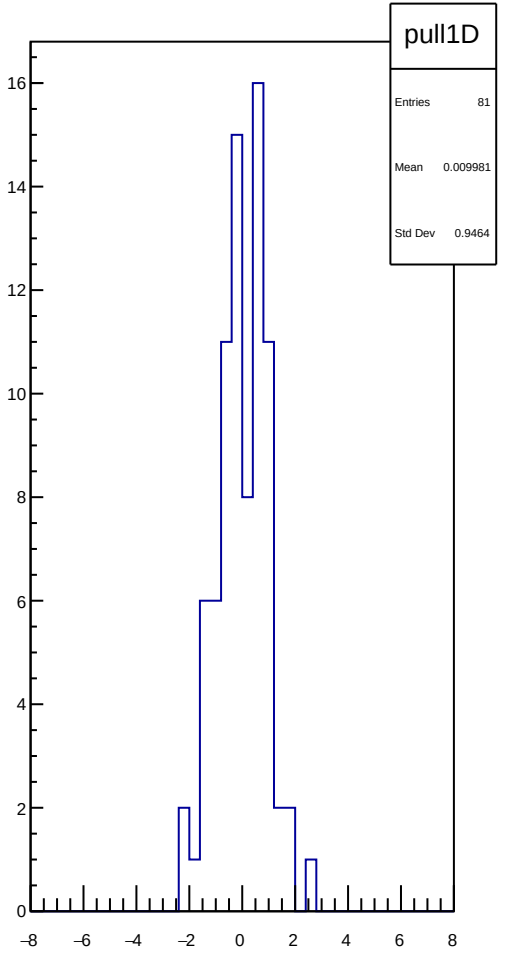

asym_sam_15_dd_correction_rms vs run
χ² / ndf 7786 / 80
p0 615.2 ± 0.4971
750
700
650
600
550

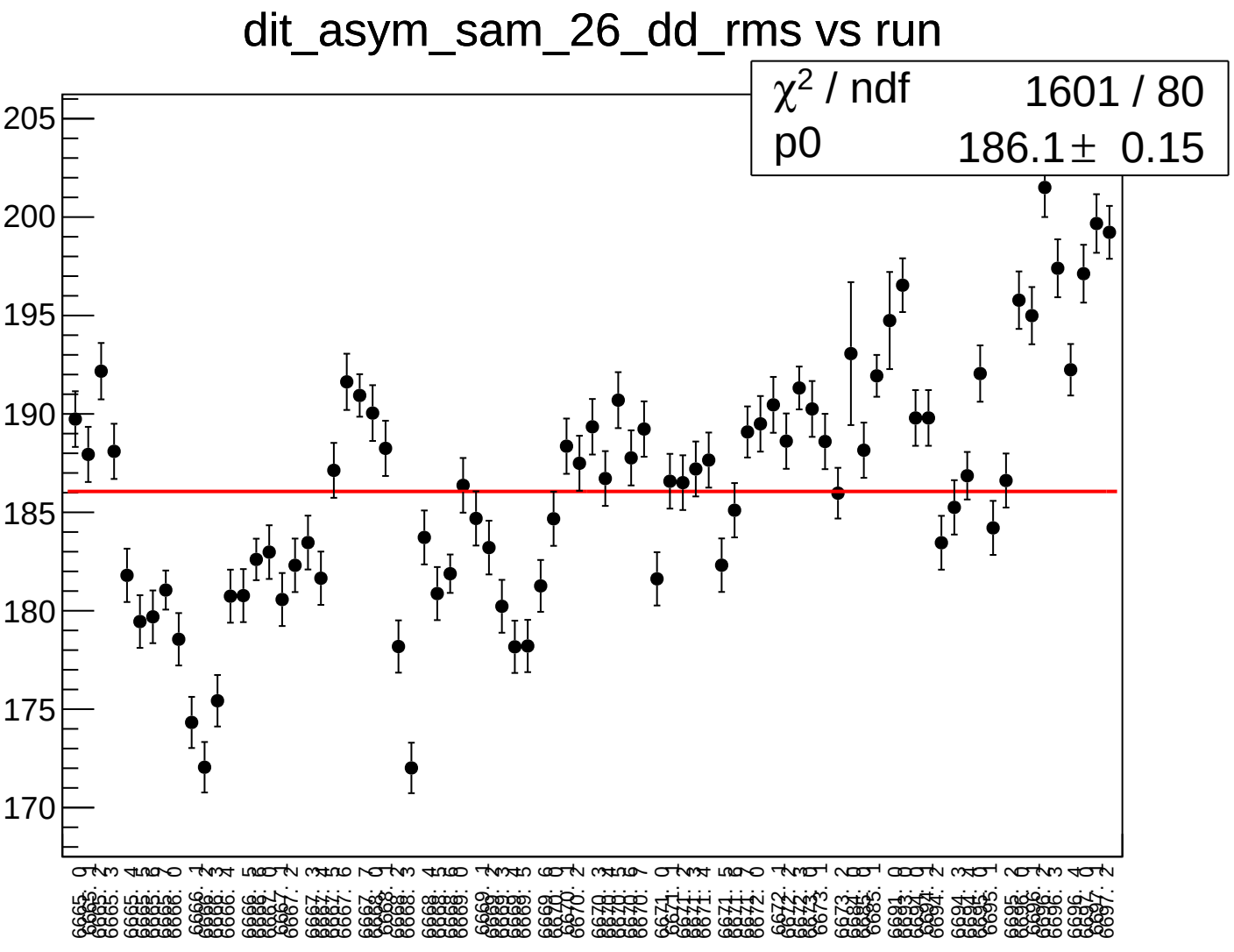

asym_sam_15_dd_mean vs run
χ² / ndf 57.21 / 80
p0 −335.1± 693.6
pull
Entries 81
Mean 574.1
Std Dev 514.3

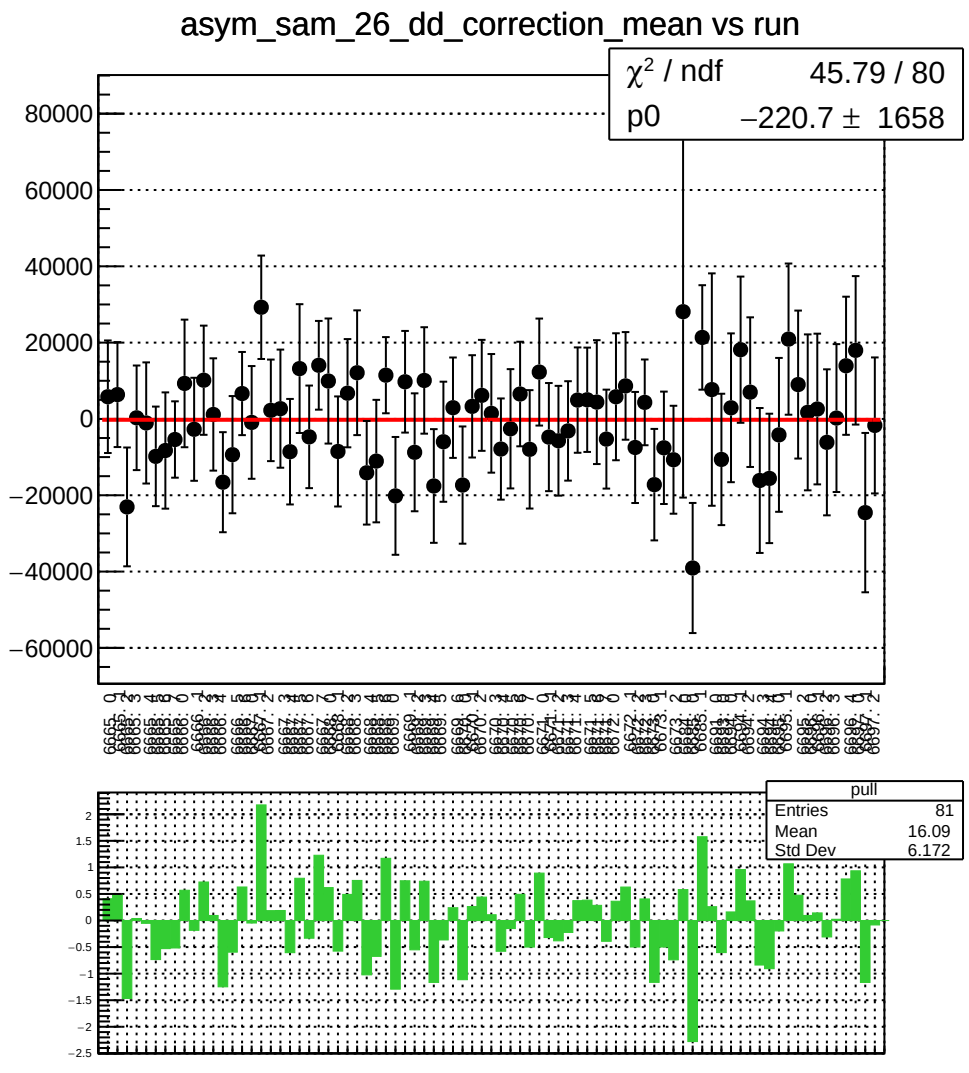

pull1D
Entries 81
Mean −0.00271
Std Dev 0.8404

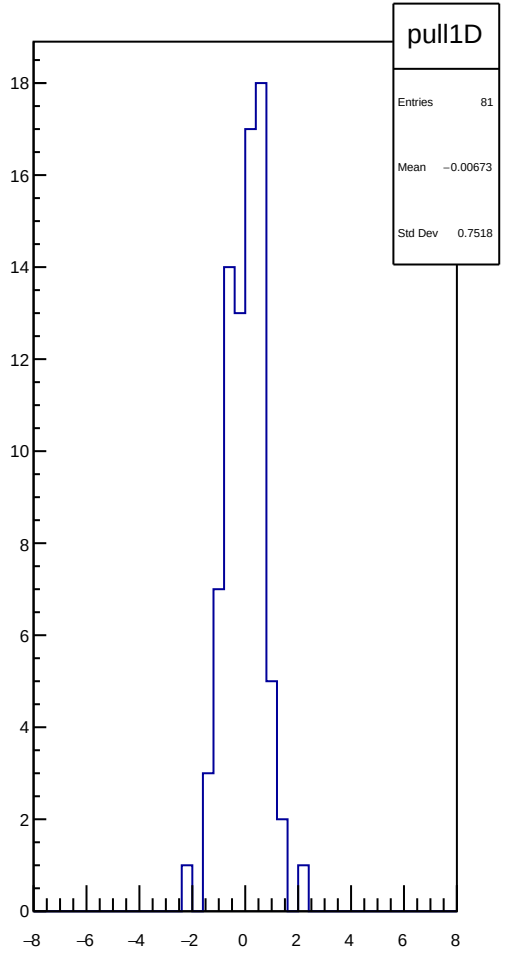

asym_sam_15_dd_rms vs run
χ² / ndf 7767 / 80
p0 607 ± 0.4904
750
700
650
600
550

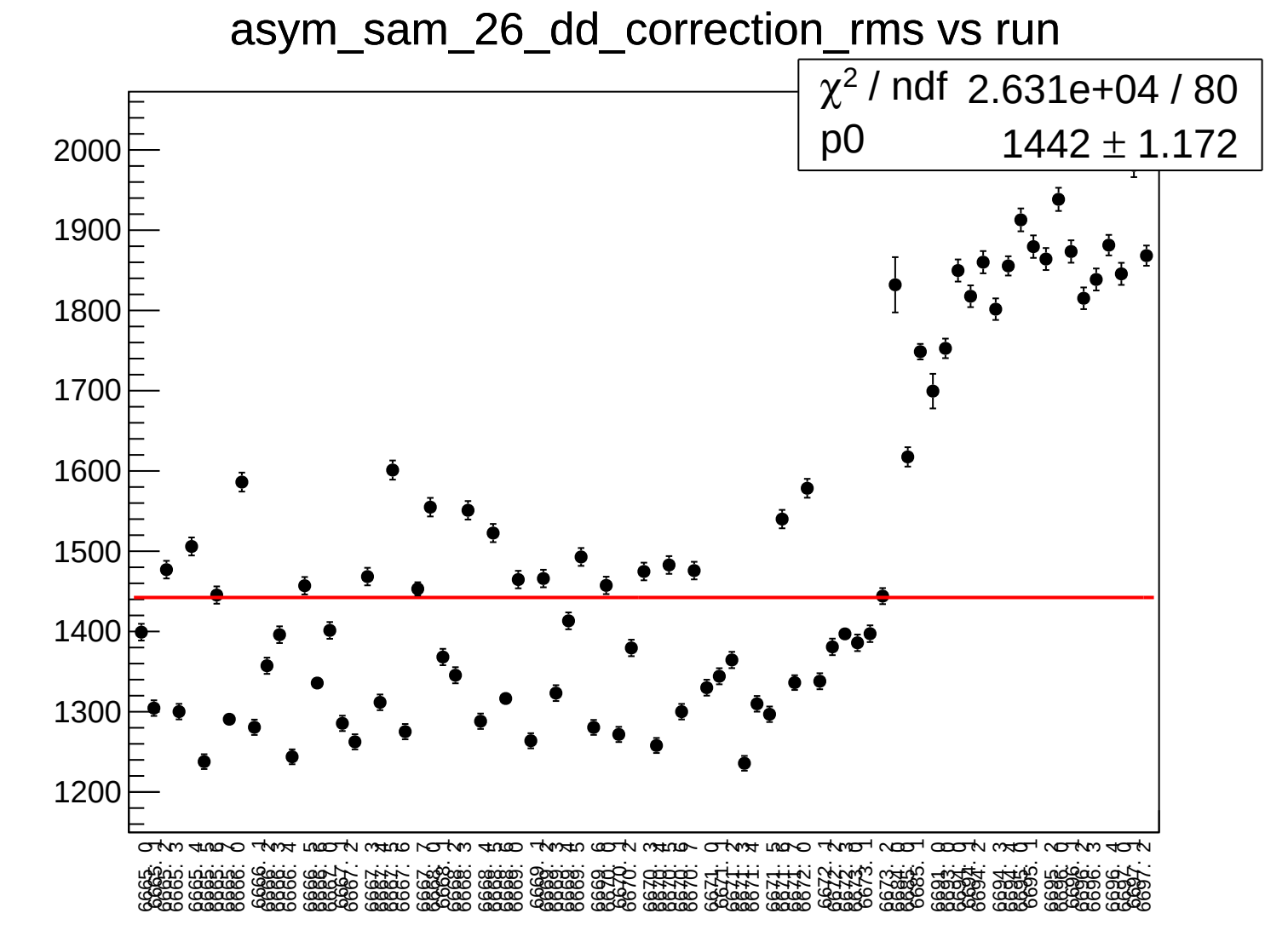

dit_asym_sam_26_dd_mean vs run
χ² / ndf 72.56 / 80
p0 −167.8 ± 212.2
pull
Entries 81
Mean 22.89
Std Dev 51.43

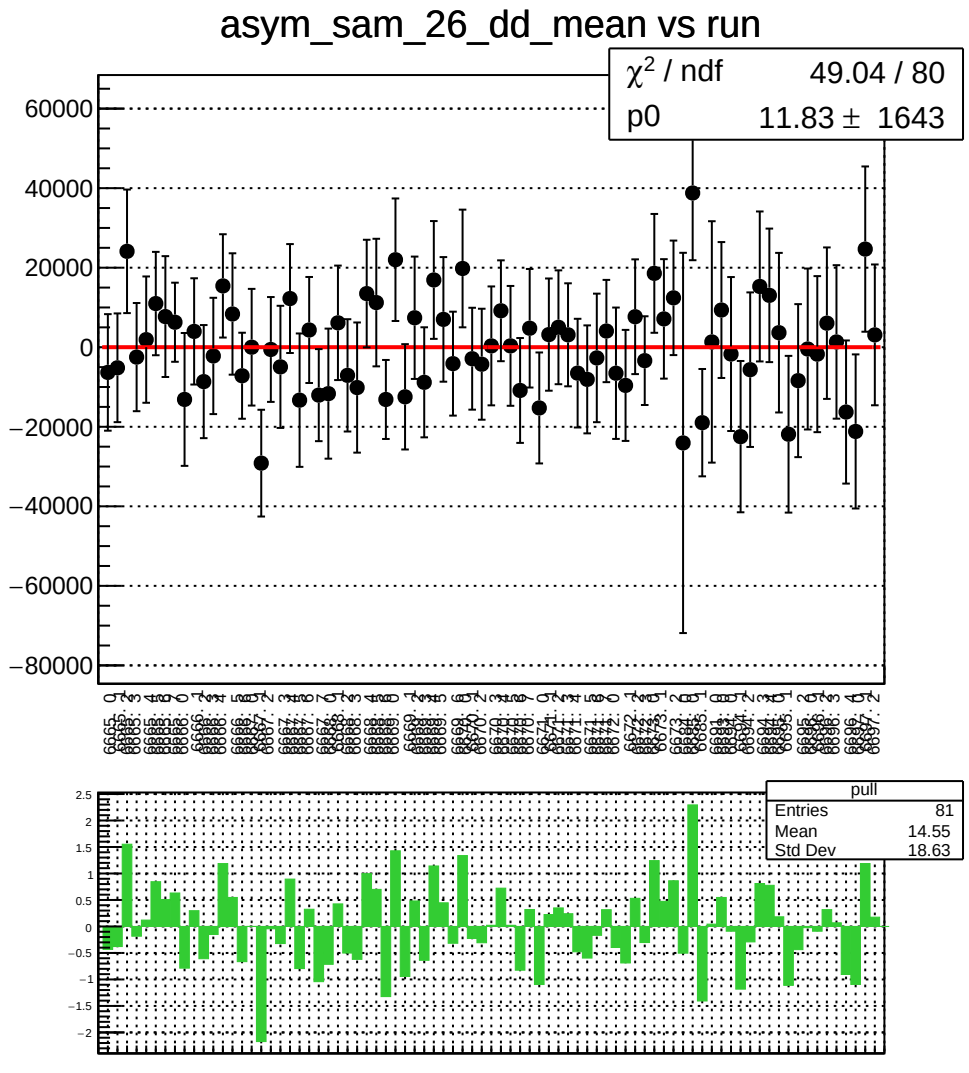

pull1D
Entries 81
Mean 0.009981
Std Dev 0.9464

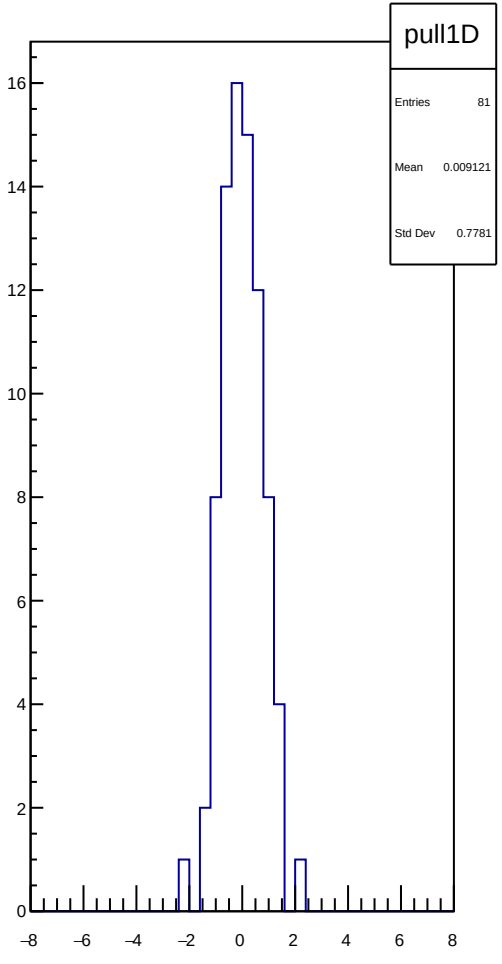

dit_asym_sam_26_dd_rms vs run
$\chi^2$ / ndf 1601 / 80
p0 186.1 ± 0.15
205
200
195
190
185
180
175
170

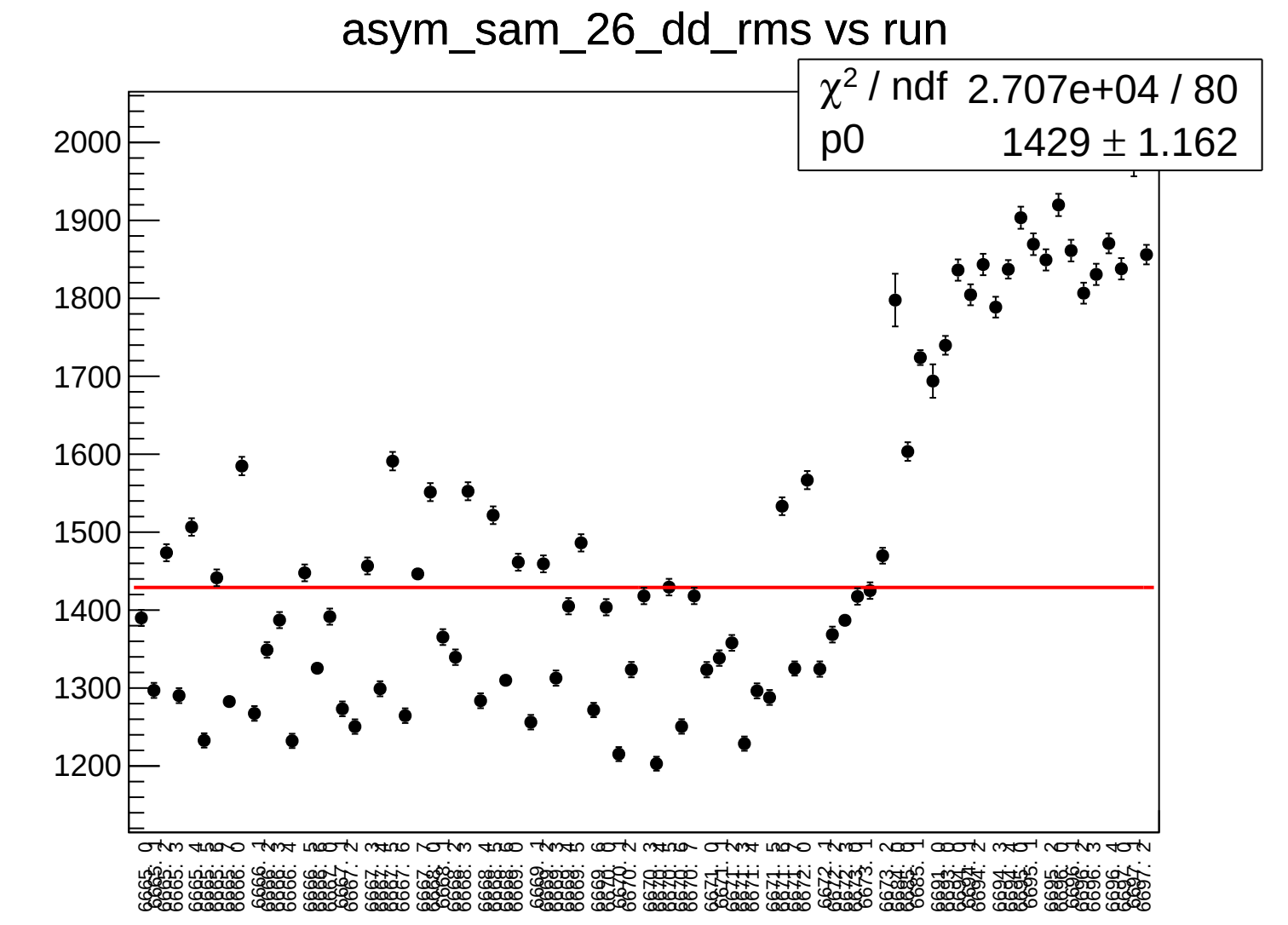

asym_sam_26_dd_correction_mean vs run
χ² / ndf 45.79 / 80
p0 −220.7 ± 1658
pull
Entries 81
Mean 16.09
Std Dev 6.172

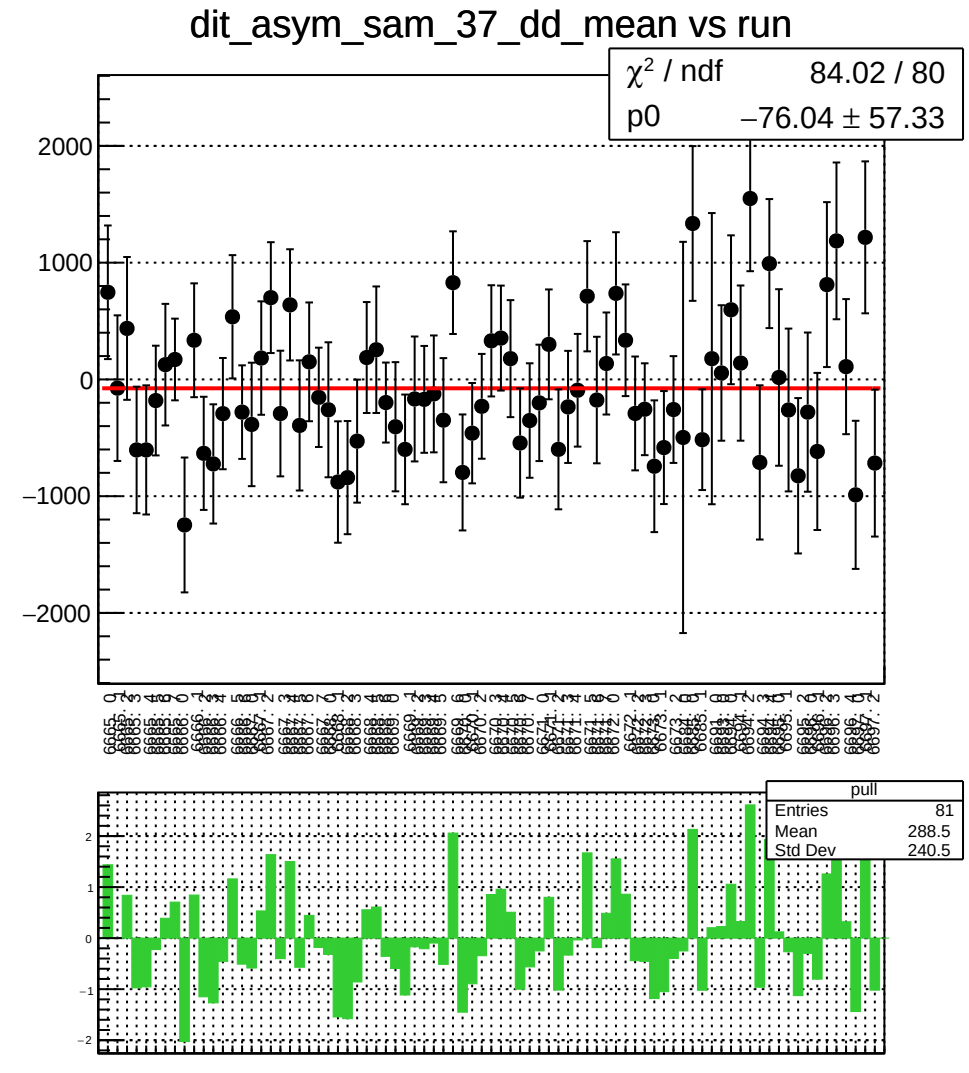

pull1D
Entries 81
Mean −0.00673
Std Dev 0.7518

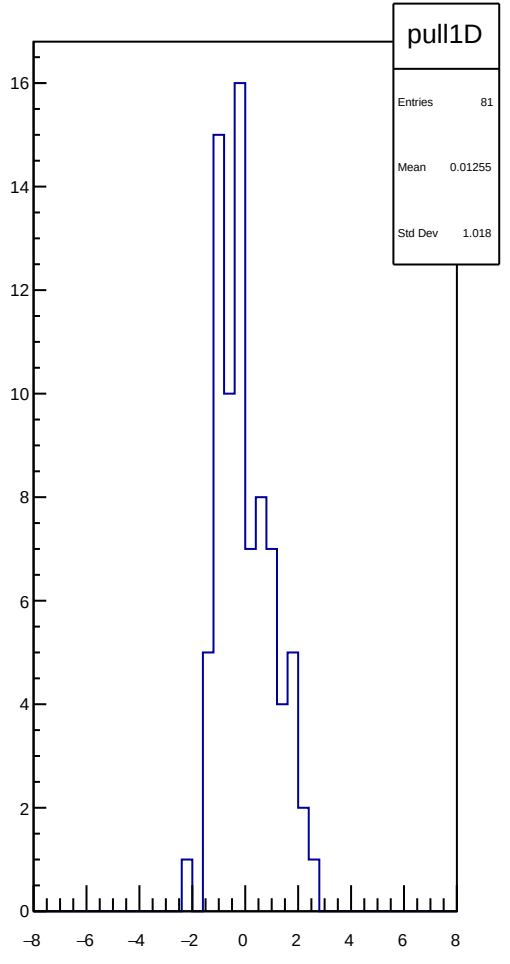

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2.631e+04 / 80
p0 1442 ± 1.172
2000
1900
1800
1700
1600
1500
1400
1300
1200

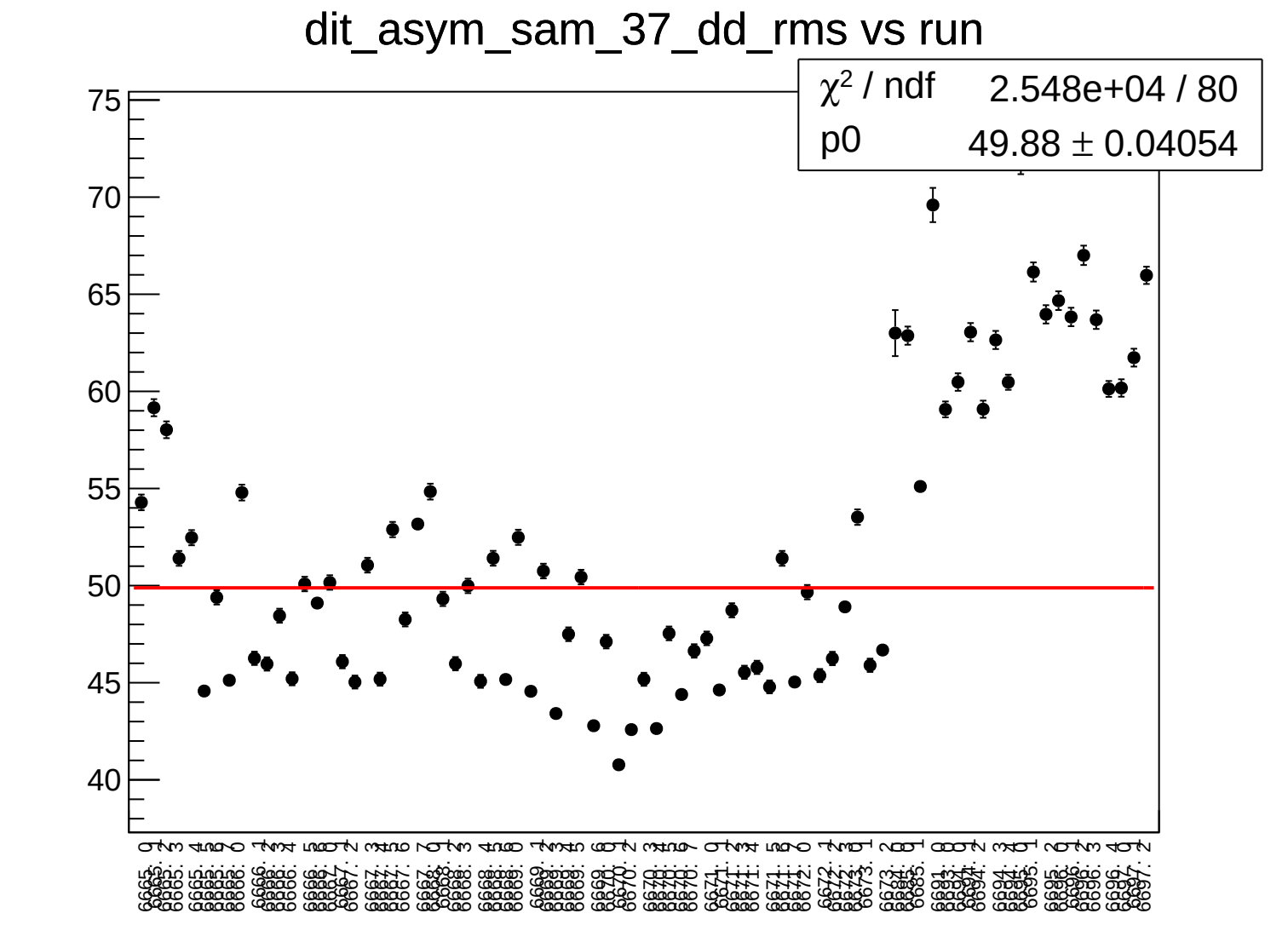

asym_sam_26_dd_mean vs run
χ² / ndf 49.04 / 80
p0 11.83 ± 1643
pull
Entries 81
Mean 14.55
Std Dev 18.63

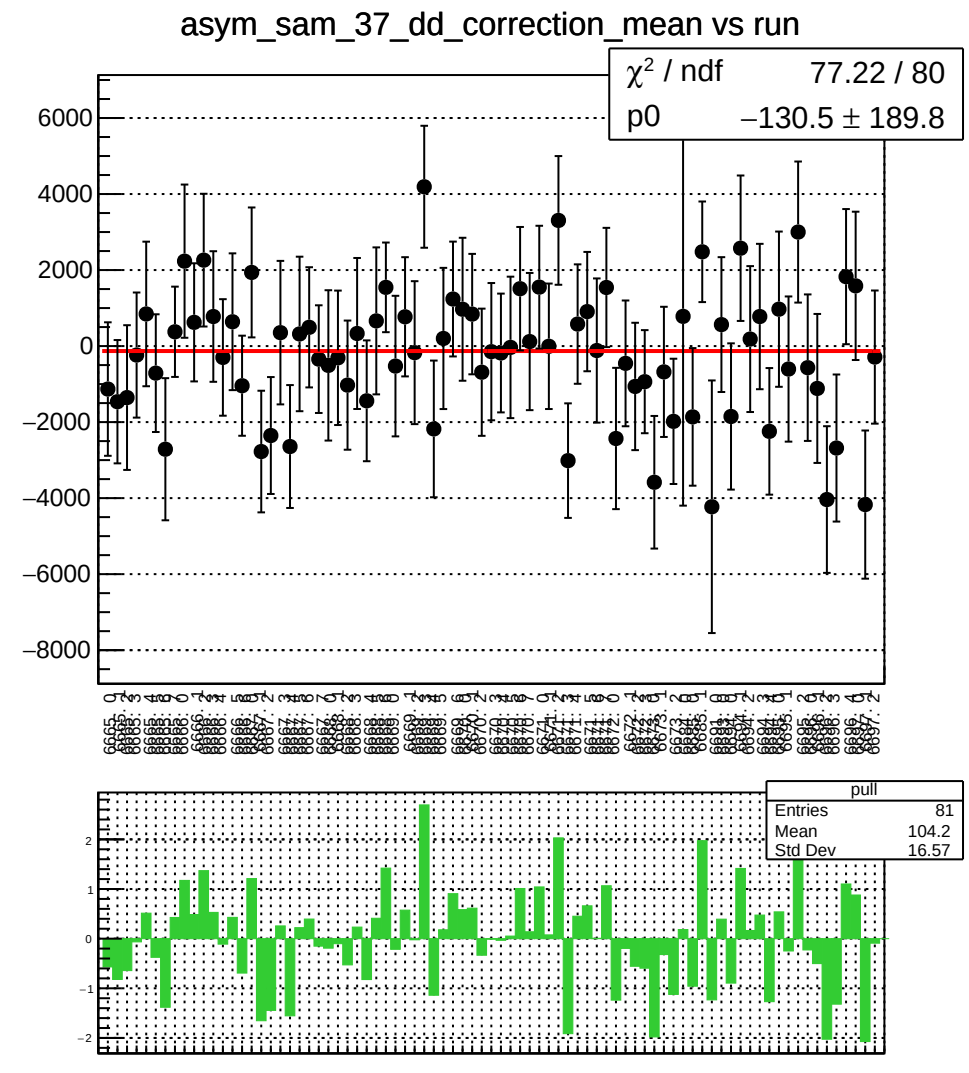

pull1D
Entries 81
Mean 0.009121
Std Dev 0.7781

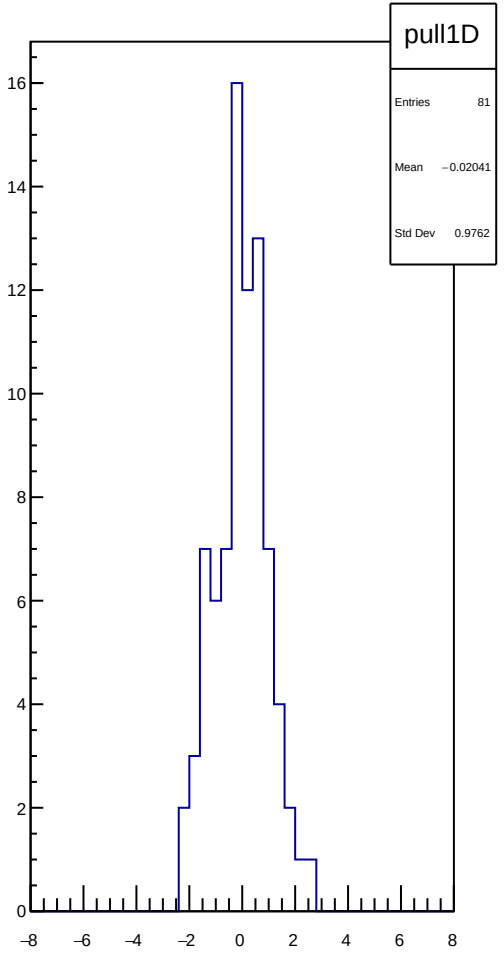

asym_sam_26_dd_rms vs run
χ² / ndf 2.707e+04 / 80
p0 1429 ± 1.162
2000
1900
1800
1700
1600
1500
1400
1300
1200

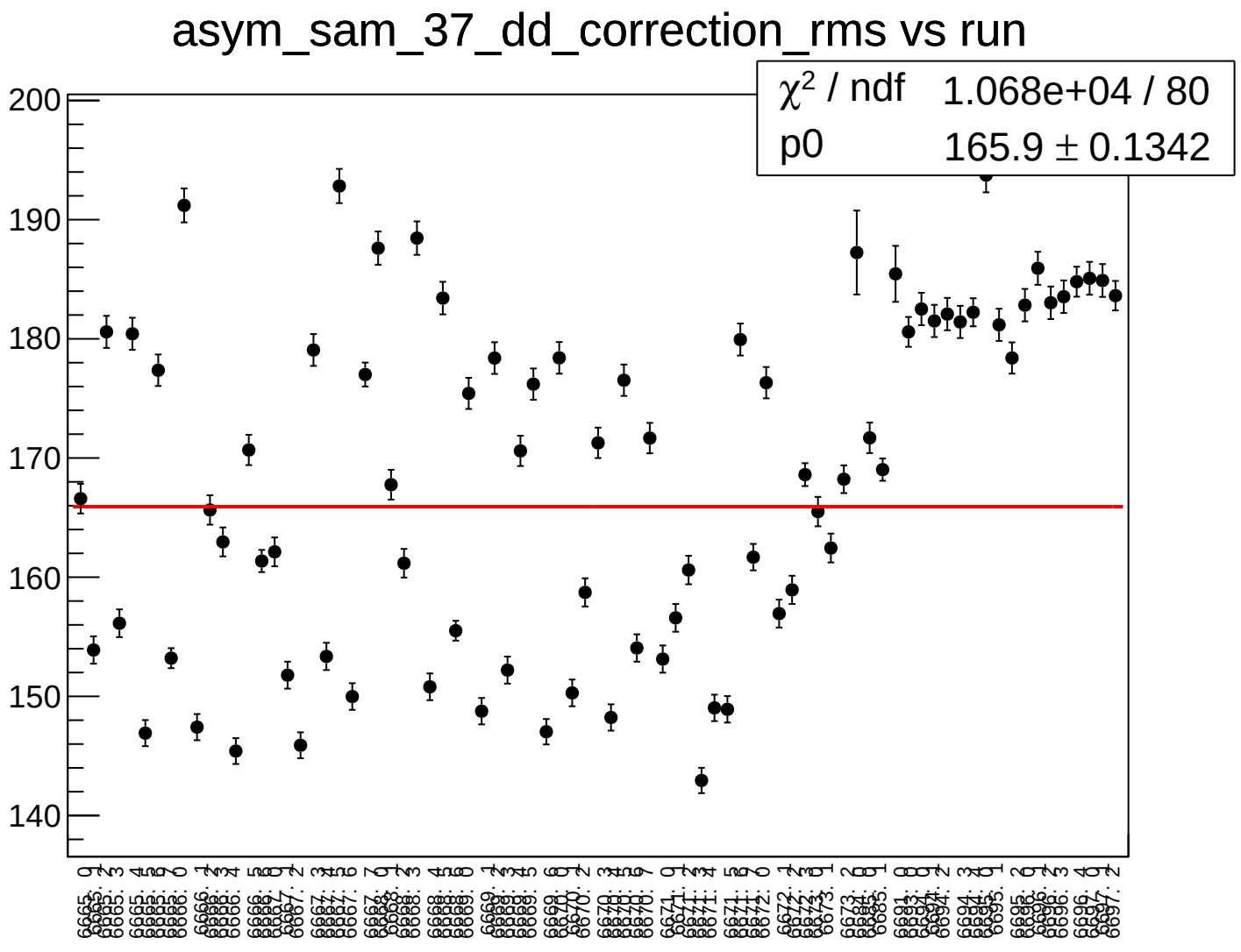

dit_asym_sam_37_dd_mean vs run
χ² / ndf 84.02 / 80
p0 −76.04 ± 57.33
2000
1000
0
−1000
−2000
pull
Entries 81
Mean 288.5
Std Dev 240.5
2
1
0
−1
−2

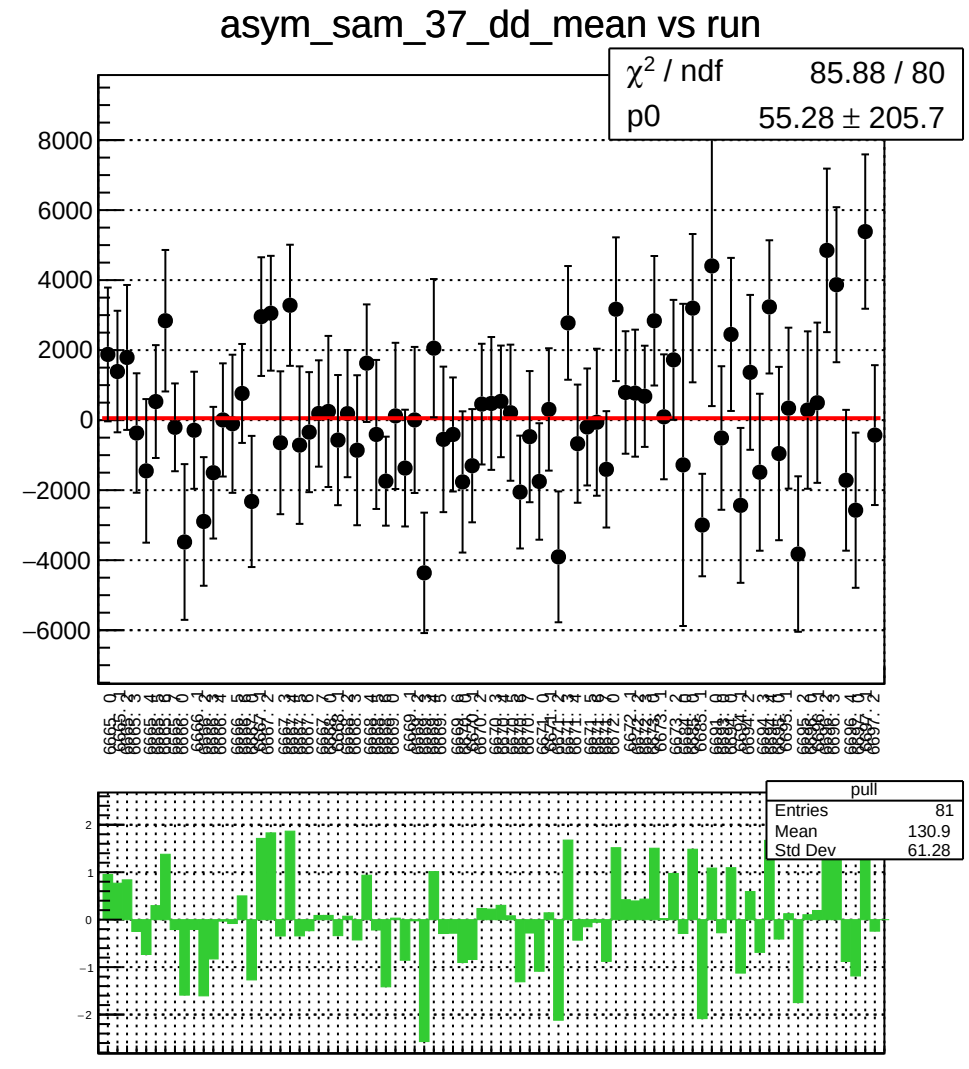

pull1D
Entries 81
Mean 0.01255
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

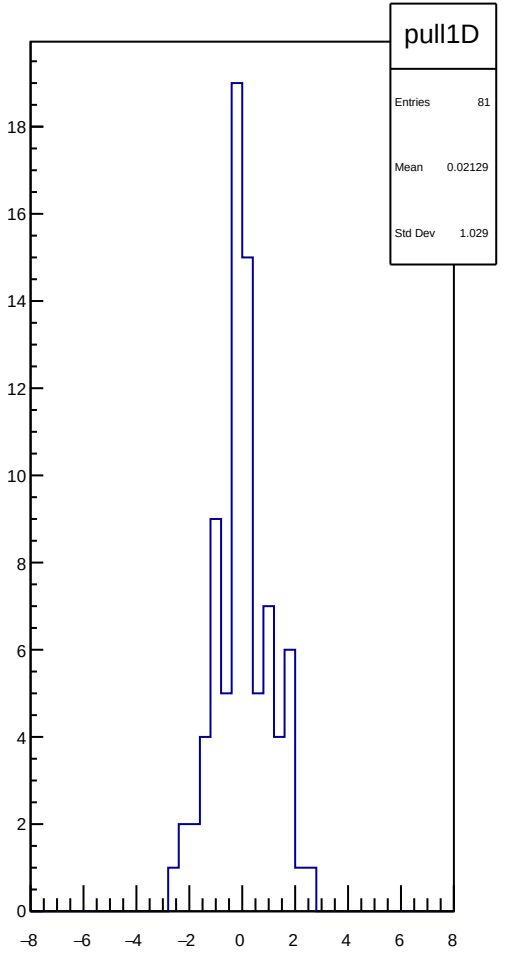

dit_asym_sam_37_dd_rms vs run
χ² / ndf 2.548e+04 / 80
p0 49.88 ± 0.04054
75
70
65
60
55
50
45
40

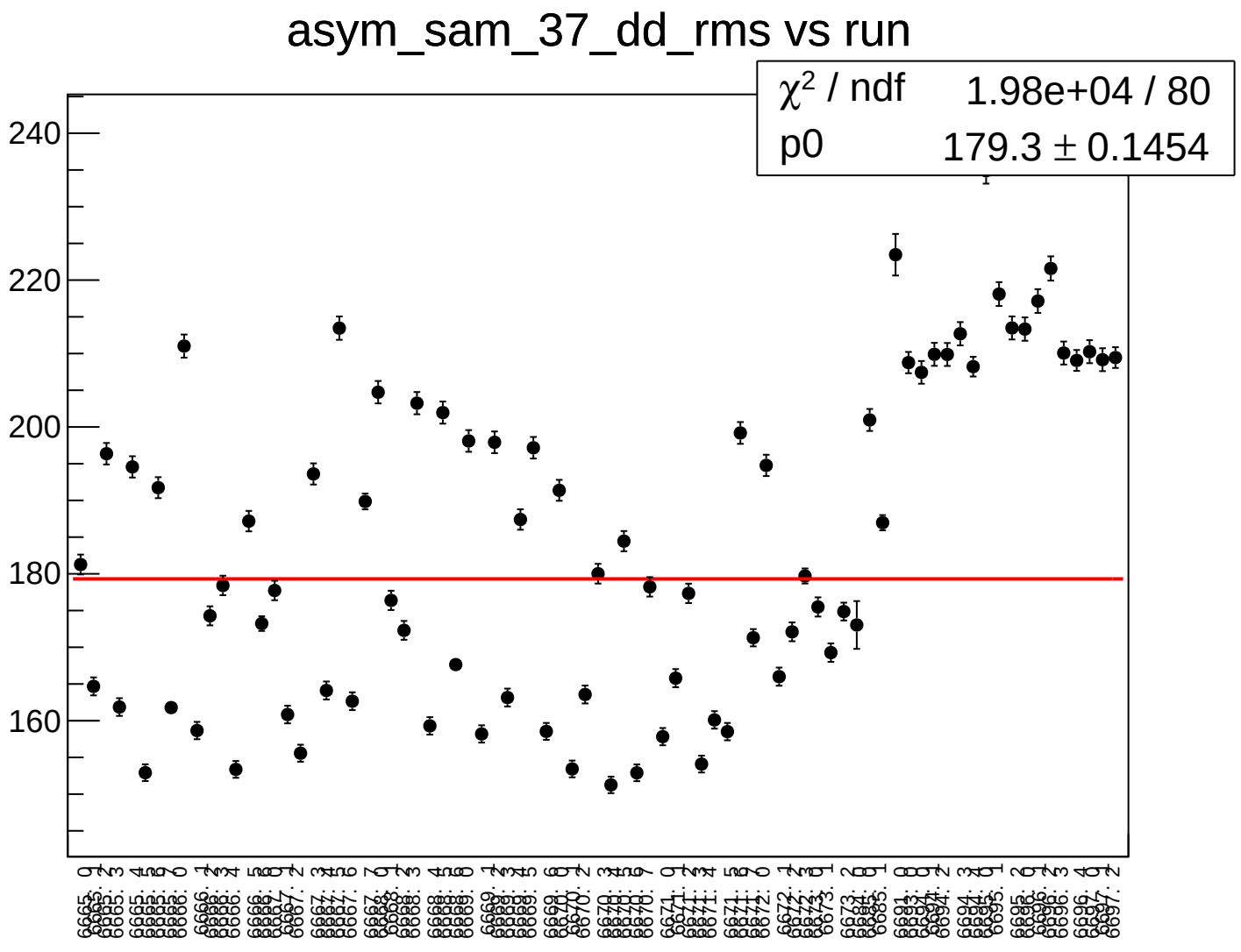

asym_sam_37_dd_correction_mean vs run
χ² / ndf 77.22 / 80
p0 −130.5 ± 189.8
pull
Entries 81
Mean 104.2
Std Dev 16.57

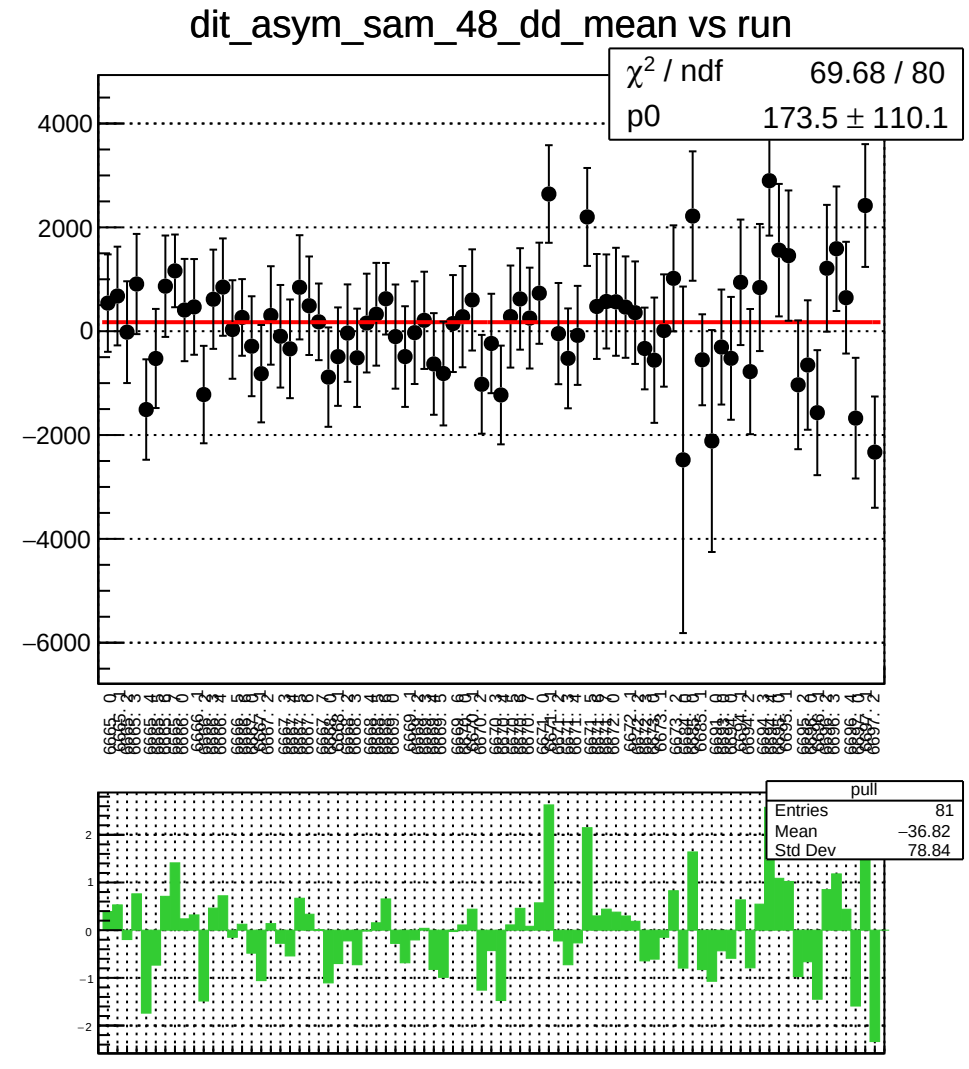

pull1D
Entries 81
Mean −0.02041
Std Dev 0.9762

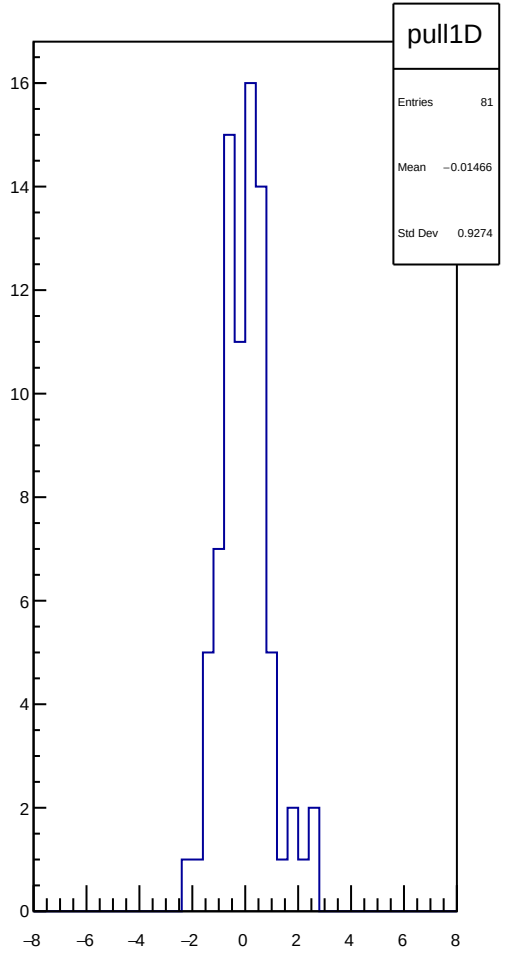

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.068e+04 / 80
p0 165.9 ± 0.1342
200
190
180
170
160
150
140

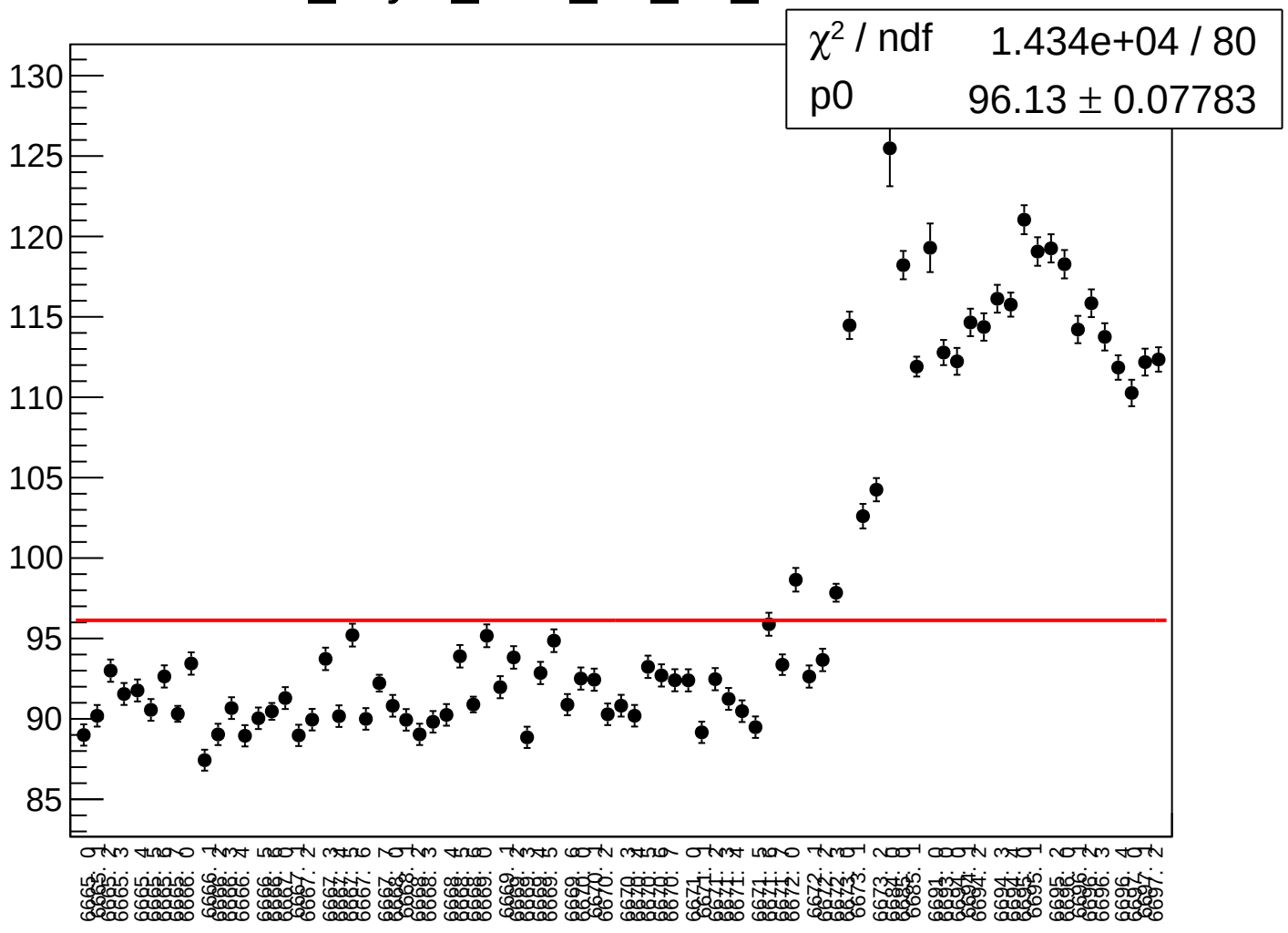

asym_sam_37_dd_mean vs run
χ² / ndf 85.88 / 80
p0 55.28 ± 205.7
pull
Entries 81
Mean 130.9
Std Dev 61.28

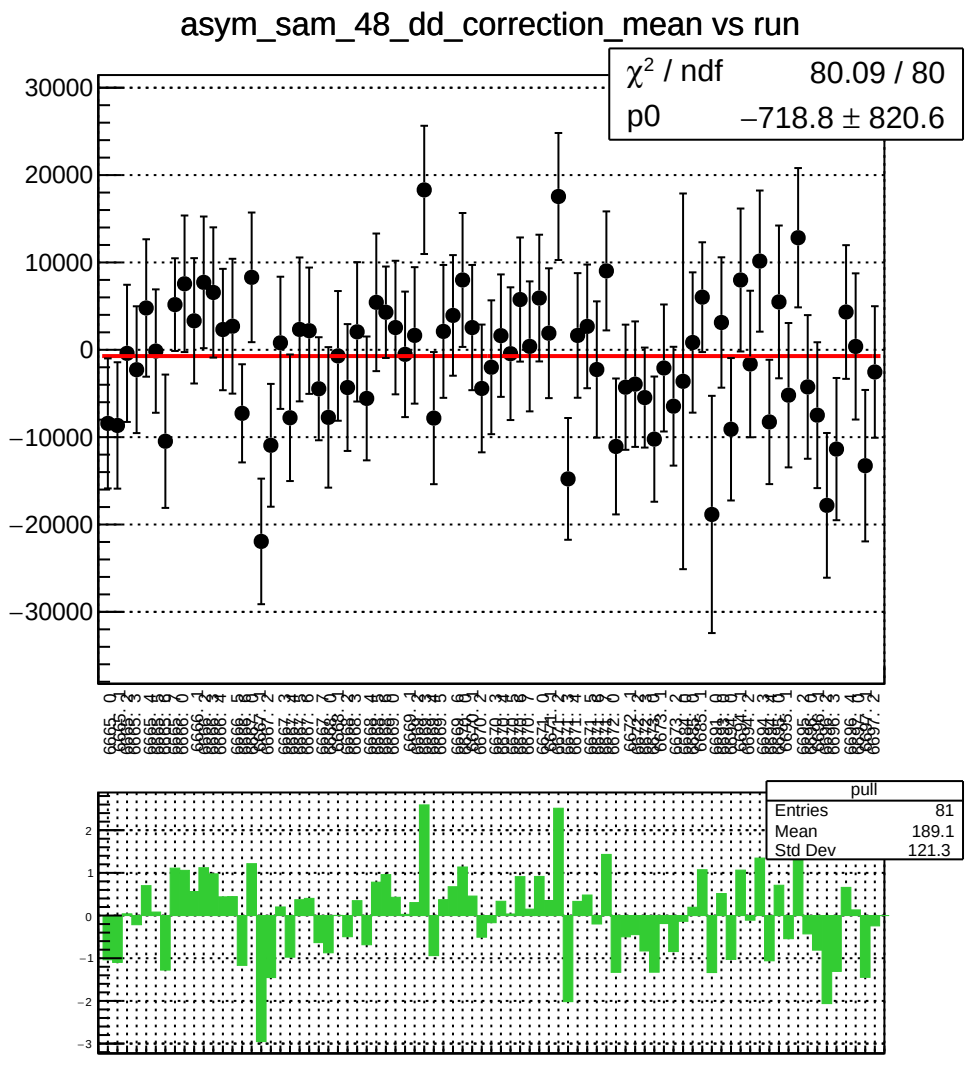

pull1D
Entries 81
Mean 0.02129
Std Dev 1.029

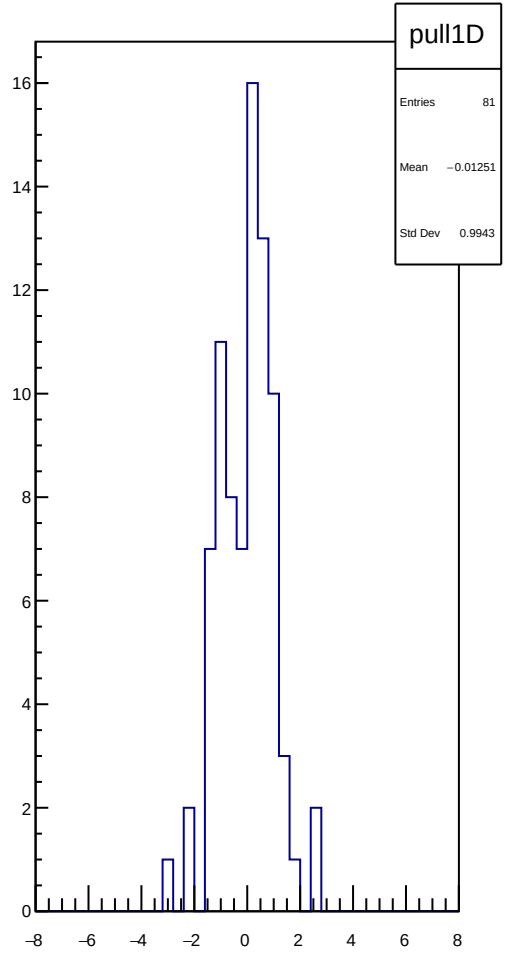

asym_sam_37_dd_rms vs run
χ² / ndf 1.98e+04 / 80
p0 179.3 ± 0.1454
240
220
200
180
160

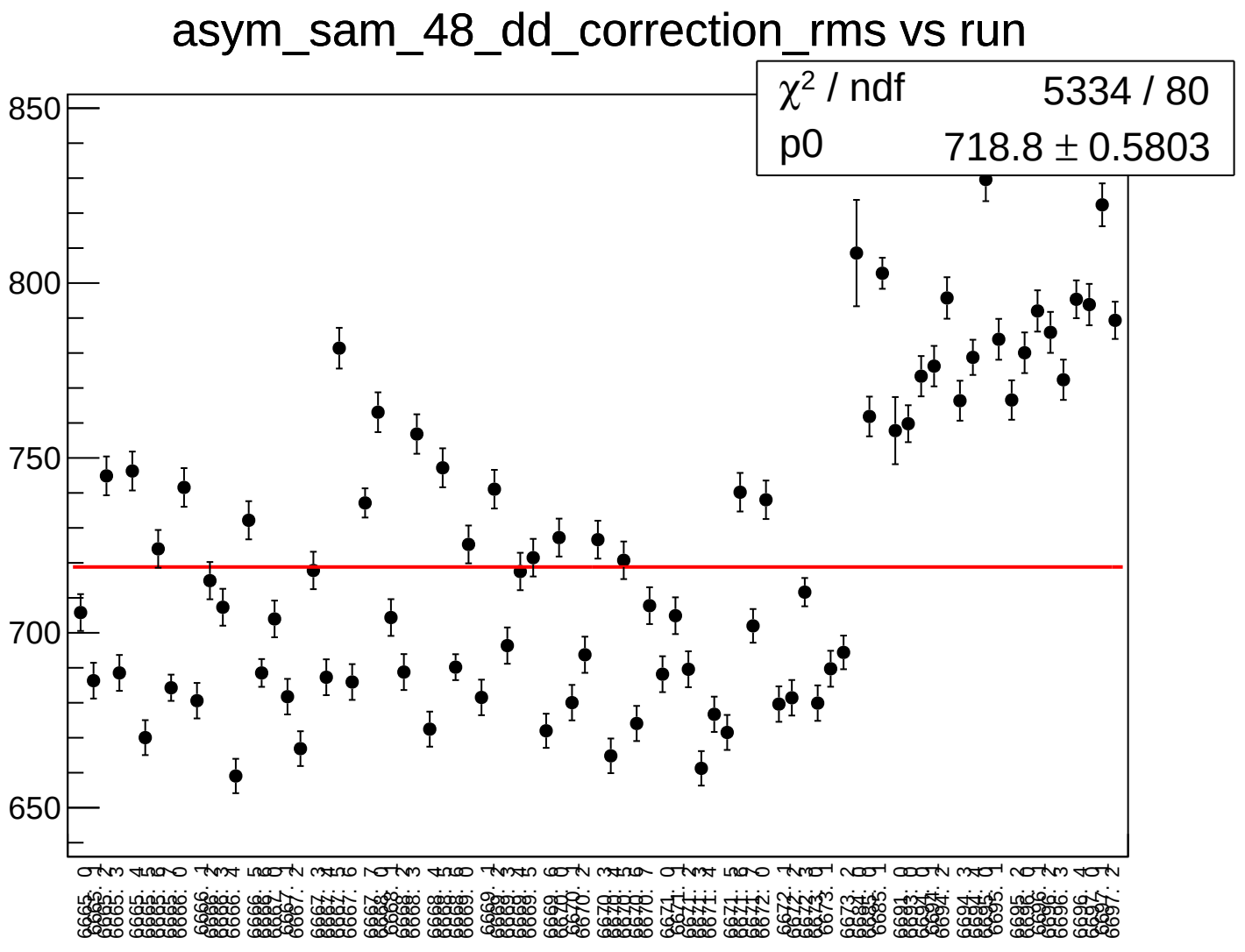

dit_asym_sam_48_dd_mean vs run
$\chi^2$ / ndf 69.68 / 80
p0 173.5 ± 110.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean −36.82
Std Dev 78.84
2
1
0
−1
−2

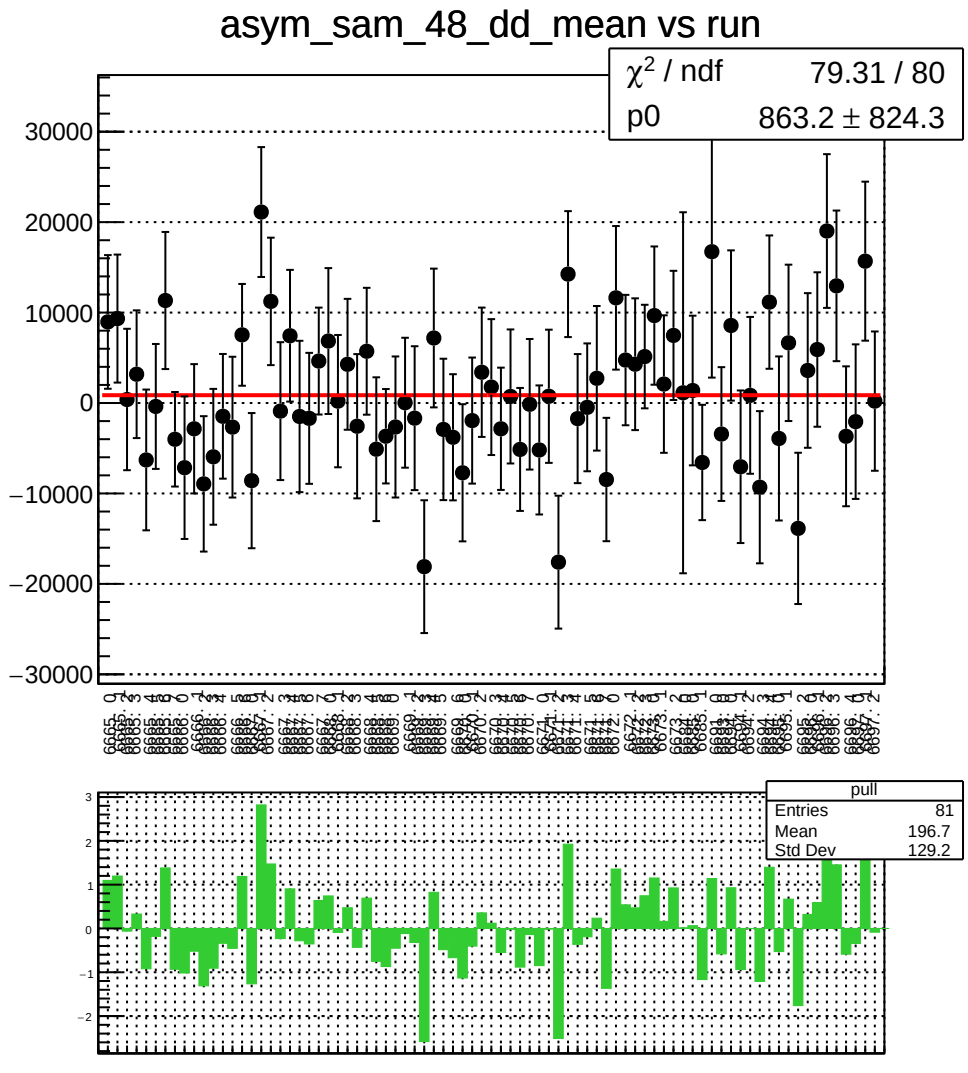

pull1D
Entries 81
Mean −0.01466
Std Dev 0.9274
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

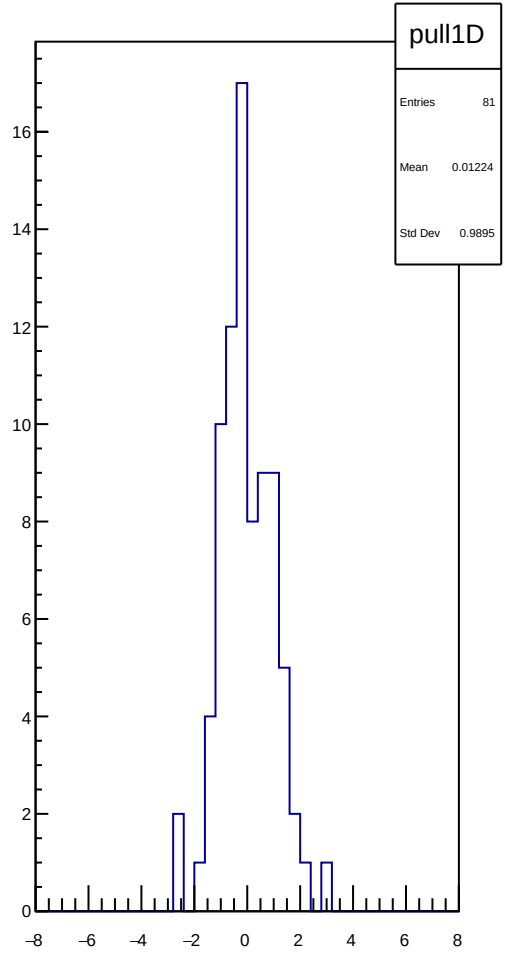

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.434e+04 / 80
p0 96.13 ± 0.07783
130
125
120
115
110
105
100
95
90
85

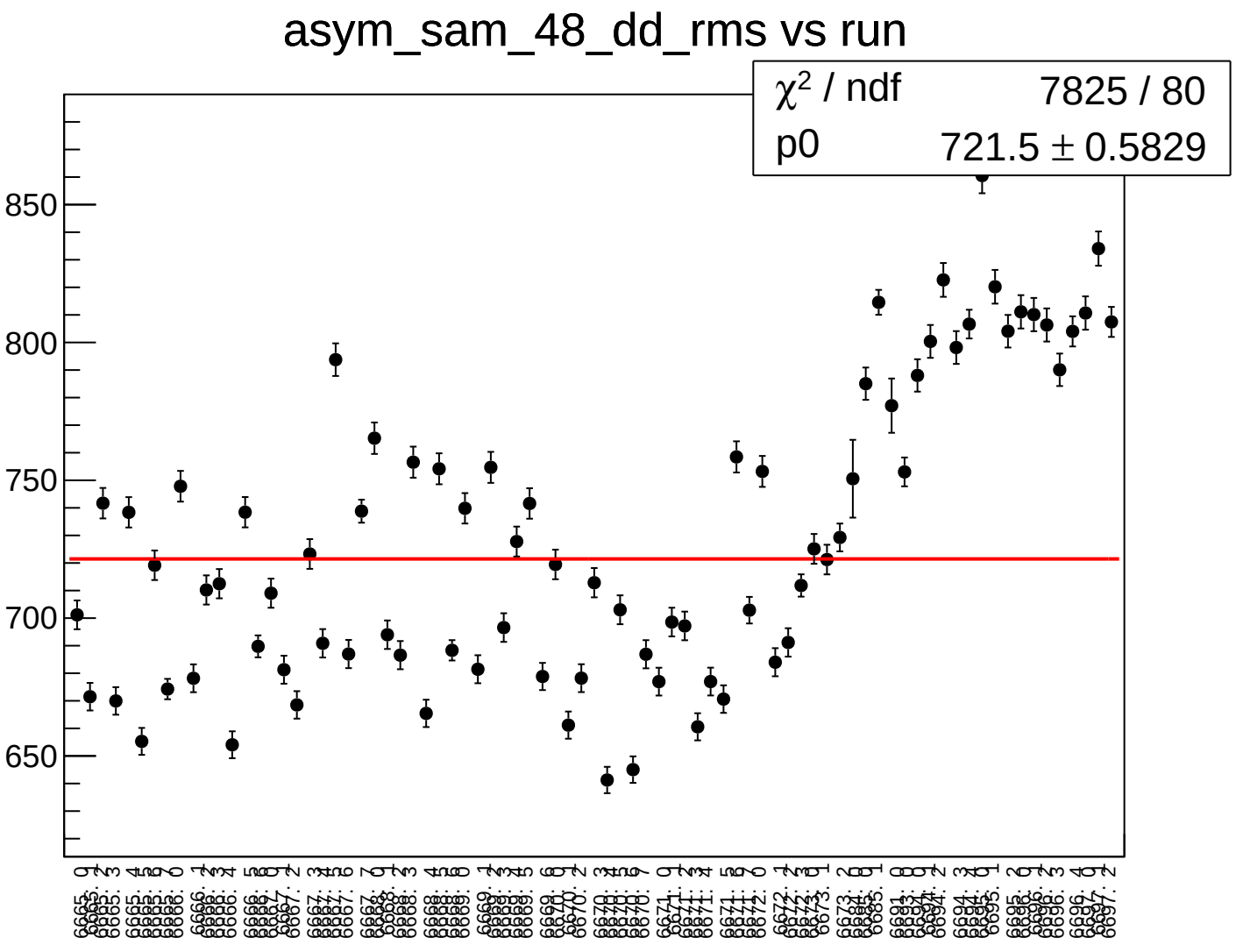

asym_sam_48_dd_correction_mean vs run
χ² / ndf 80.09 / 80
p0 −718.8 ± 820.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 189.1
Std Dev 121.3
2
1
0
−1
−2
−3

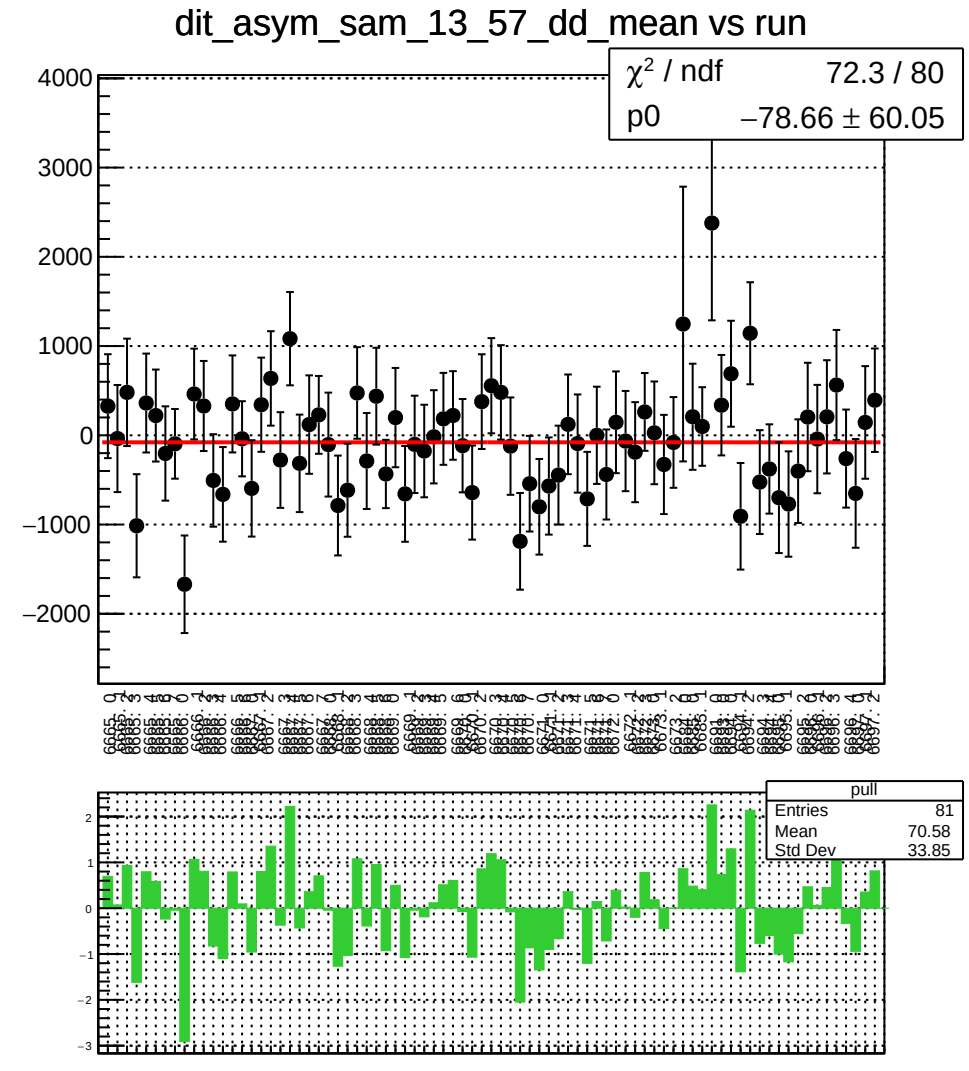

pull1D
Entries 81
Mean −0.01251
Std Dev 0.9943
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

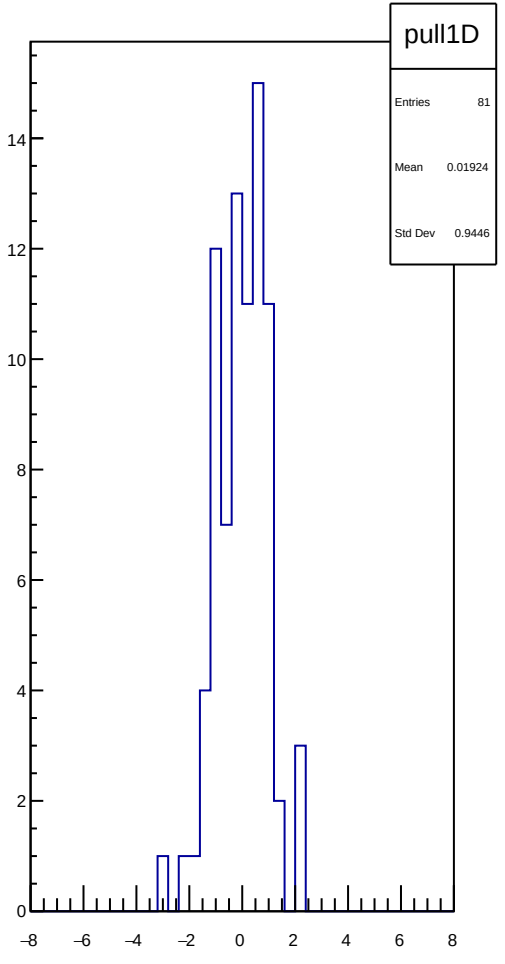

asym_sam_48_dd_correction_rms vs run
χ² / ndf 5334 / 80
p0 718.8 ± 0.5803
850
800
750
700
650

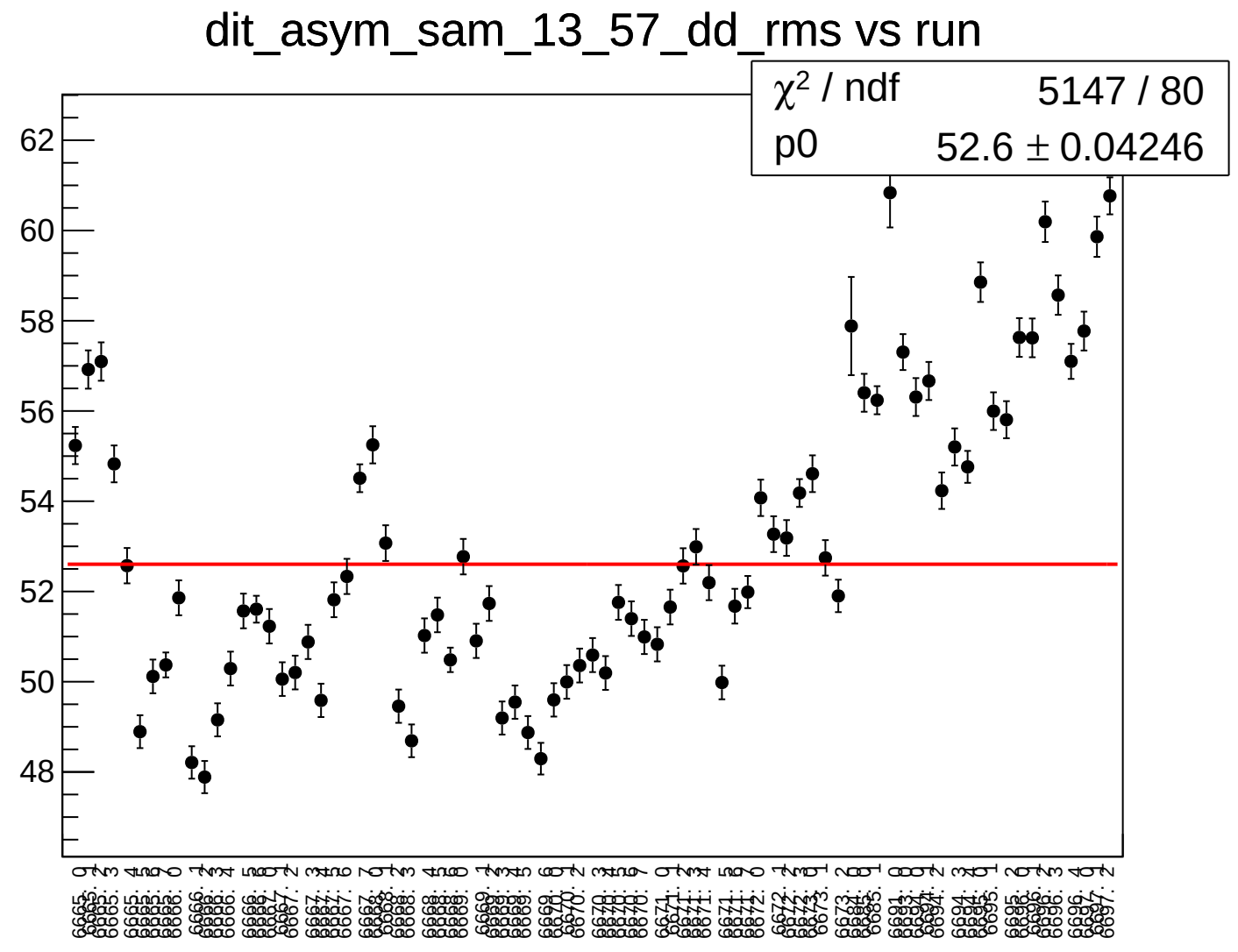

asym_sam_48_dd_mean vs run
χ² / ndf 79.31 / 80
p0 863.2 ± 824.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 196.7
Std Dev 129.2
3
2
1
0
−1
−2

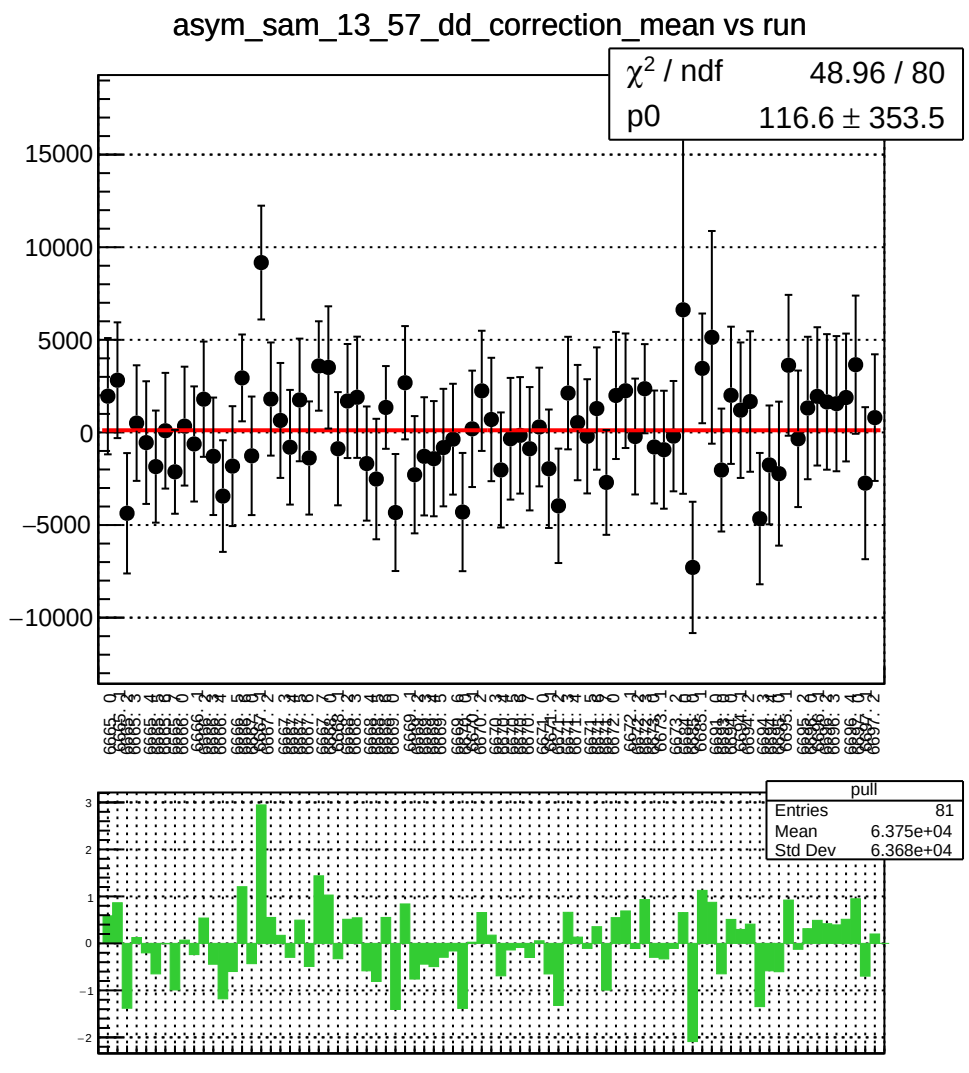

pull1D
Entries 81
Mean 0.01224
Std Dev 0.9895
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

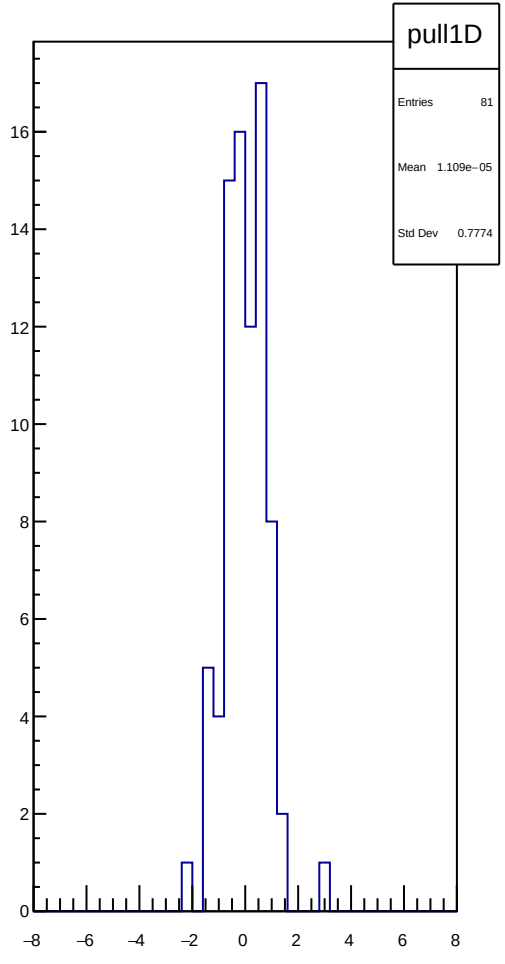

asym_sam_48_dd_rms vs run
χ² / ndf 7825 / 80
p0 721.5 ± 0.5829
850
800
750
700
650

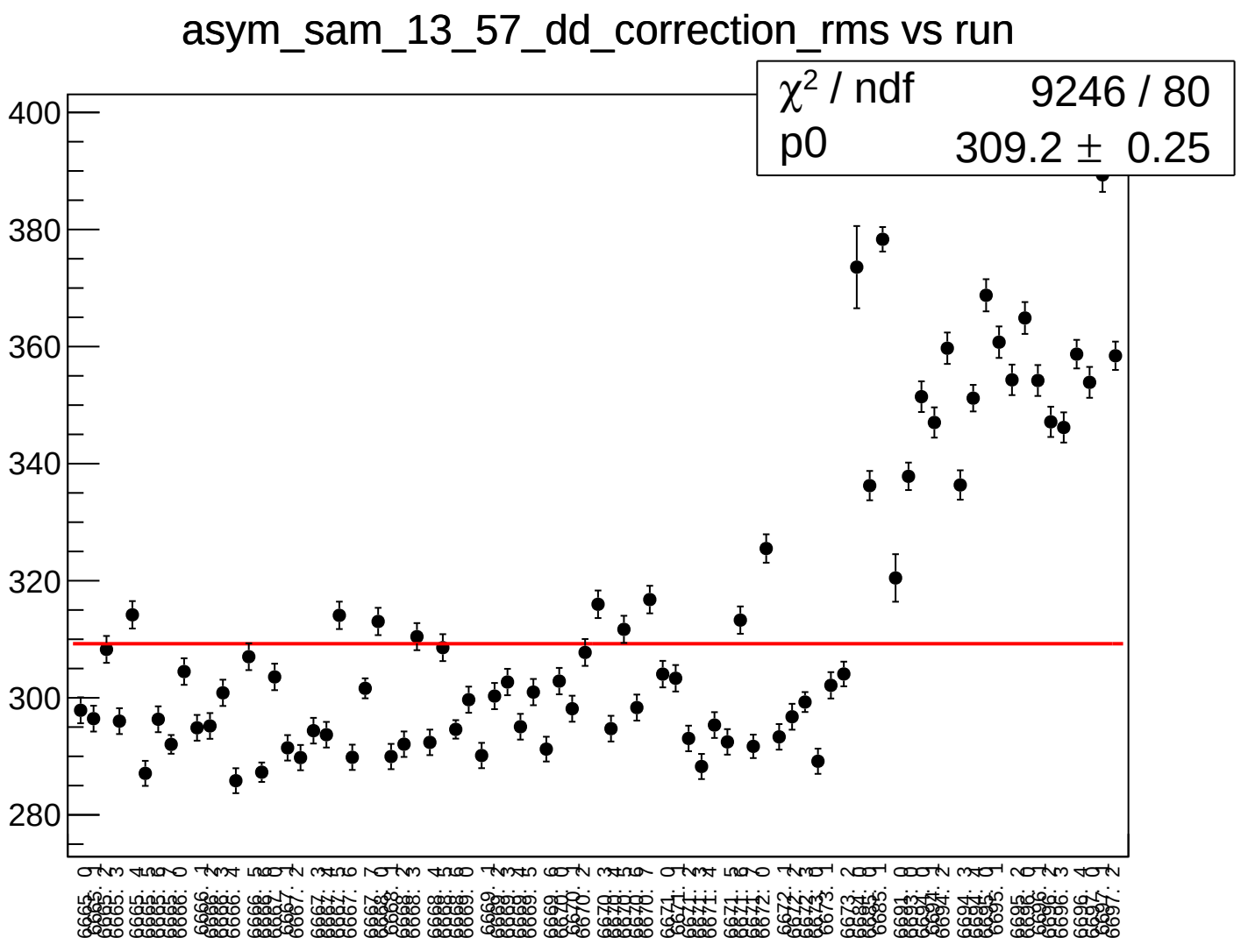

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 72.3 / 80
p0 −78.66 ± 60.05
pull
Entries 81
Mean 70.58
Std Dev 33.85

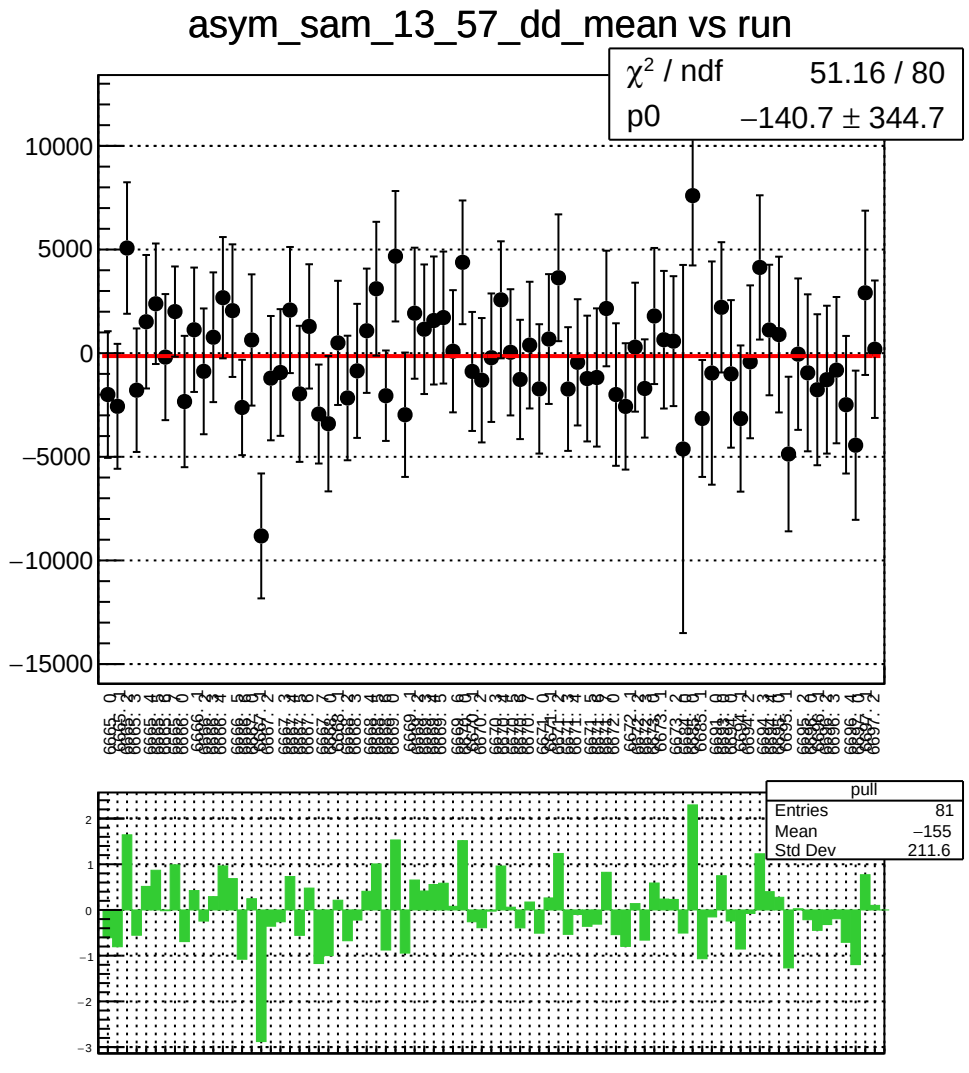

pull1D
Entries 81
Mean 0.01924
Std Dev 0.9446

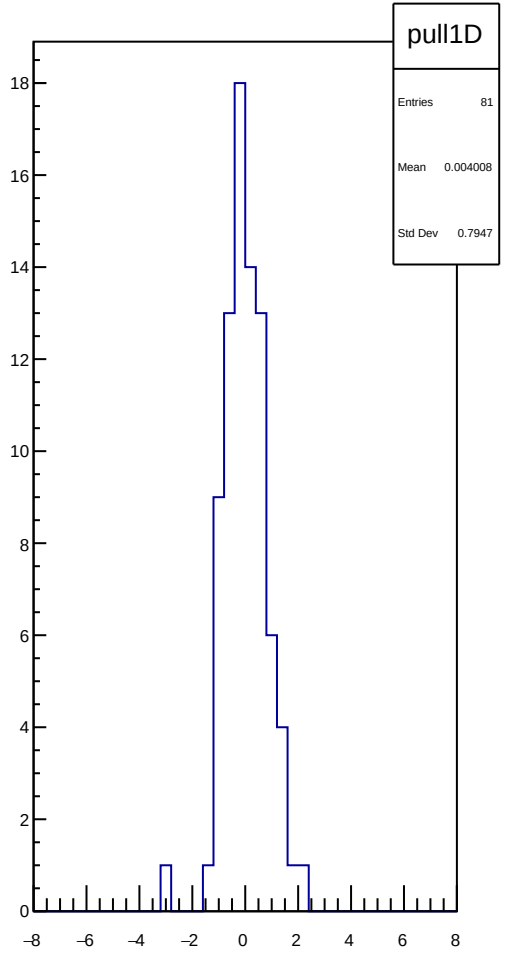

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 5147 / 80
p0 52.6 ± 0.04246
62
60
58
56
54
52
50
48

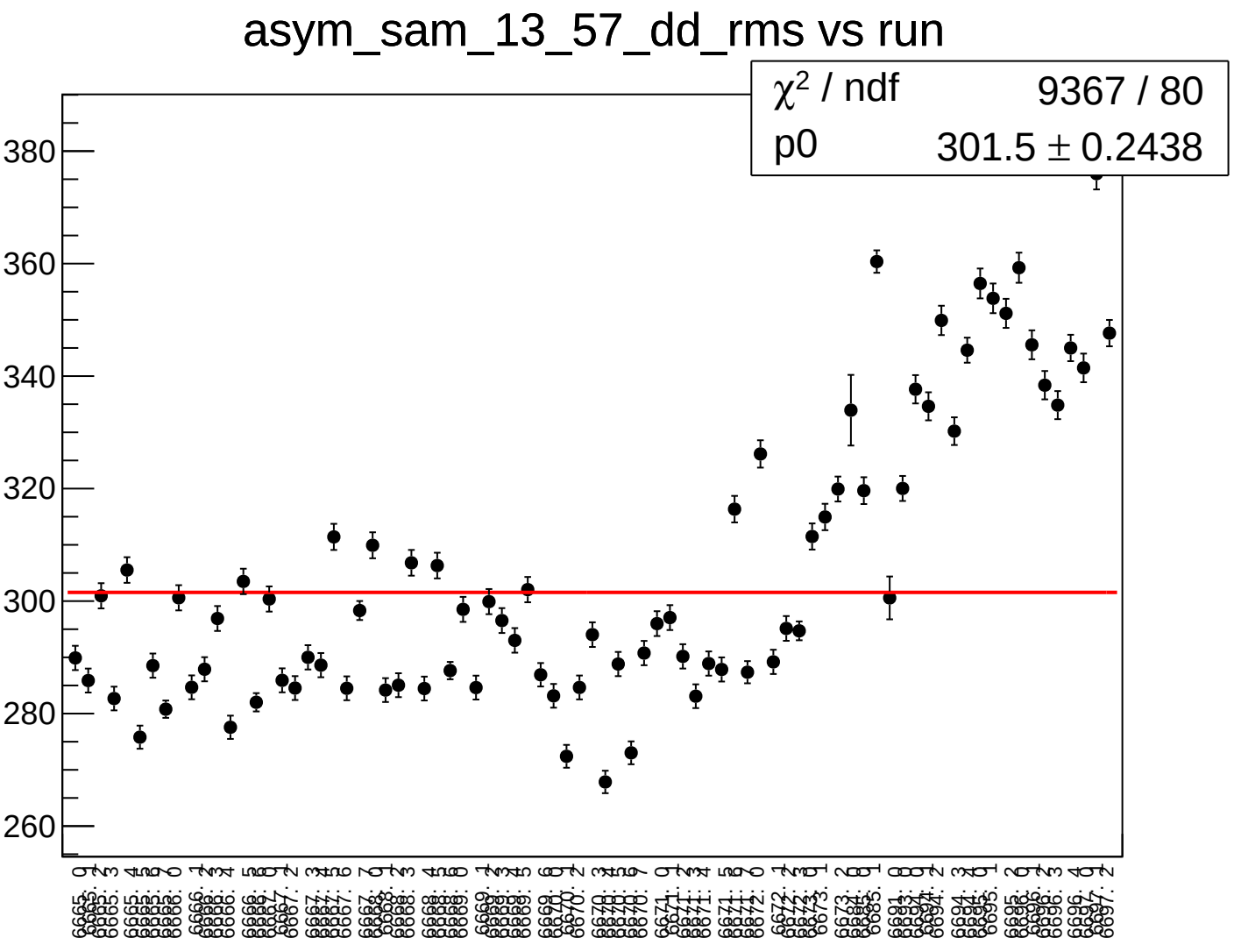

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 48.96 / 80
p0 116.6 ± 353.5
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 6.375e+04
Std Dev 6.368e+04
3
2
1
0
−1
−2

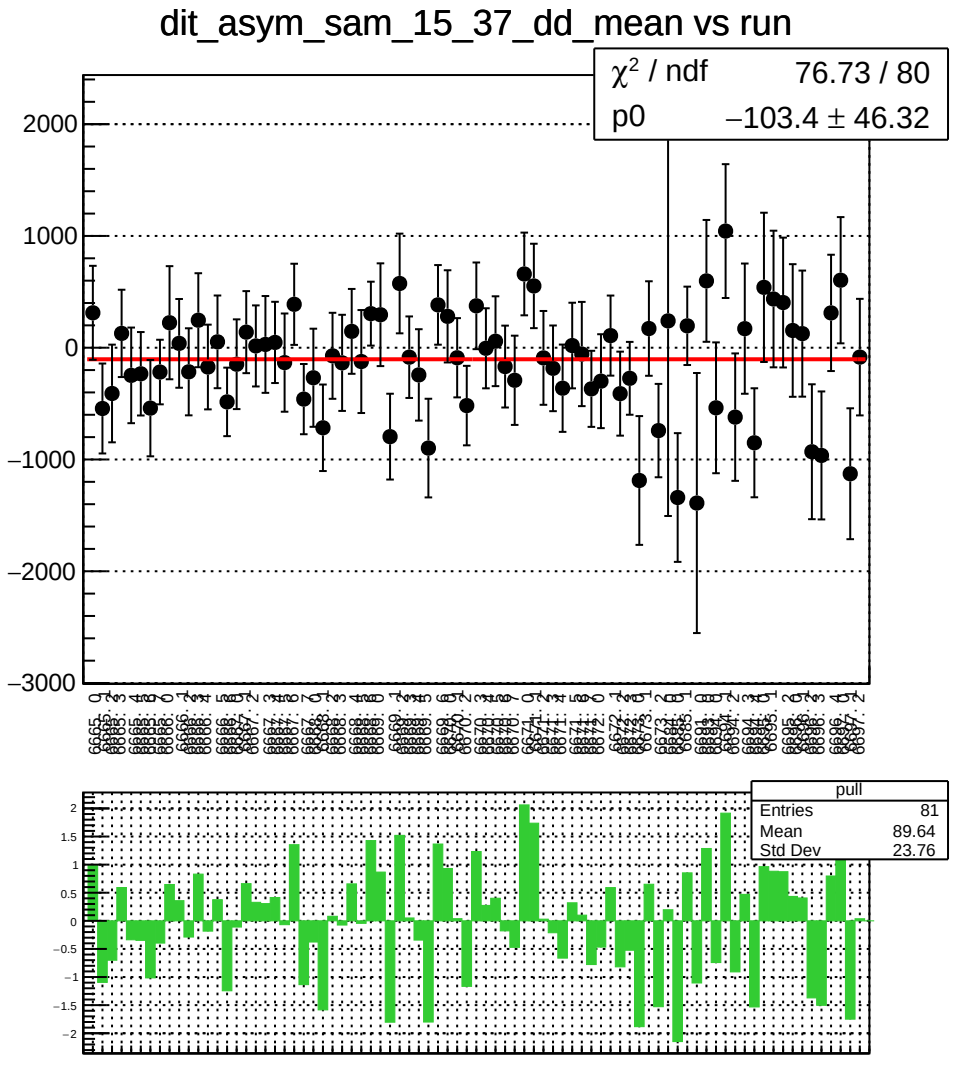

pull1D
Entries 81
Mean 1.109e−05
Std Dev 0.7774
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

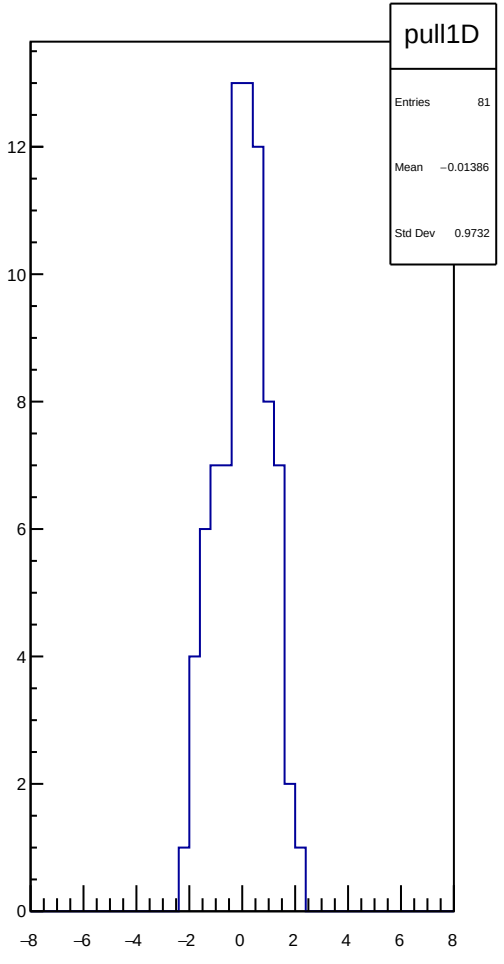

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 9246 / 80
p0 309.2 ± 0.25
400
380
360
340
320
300
280

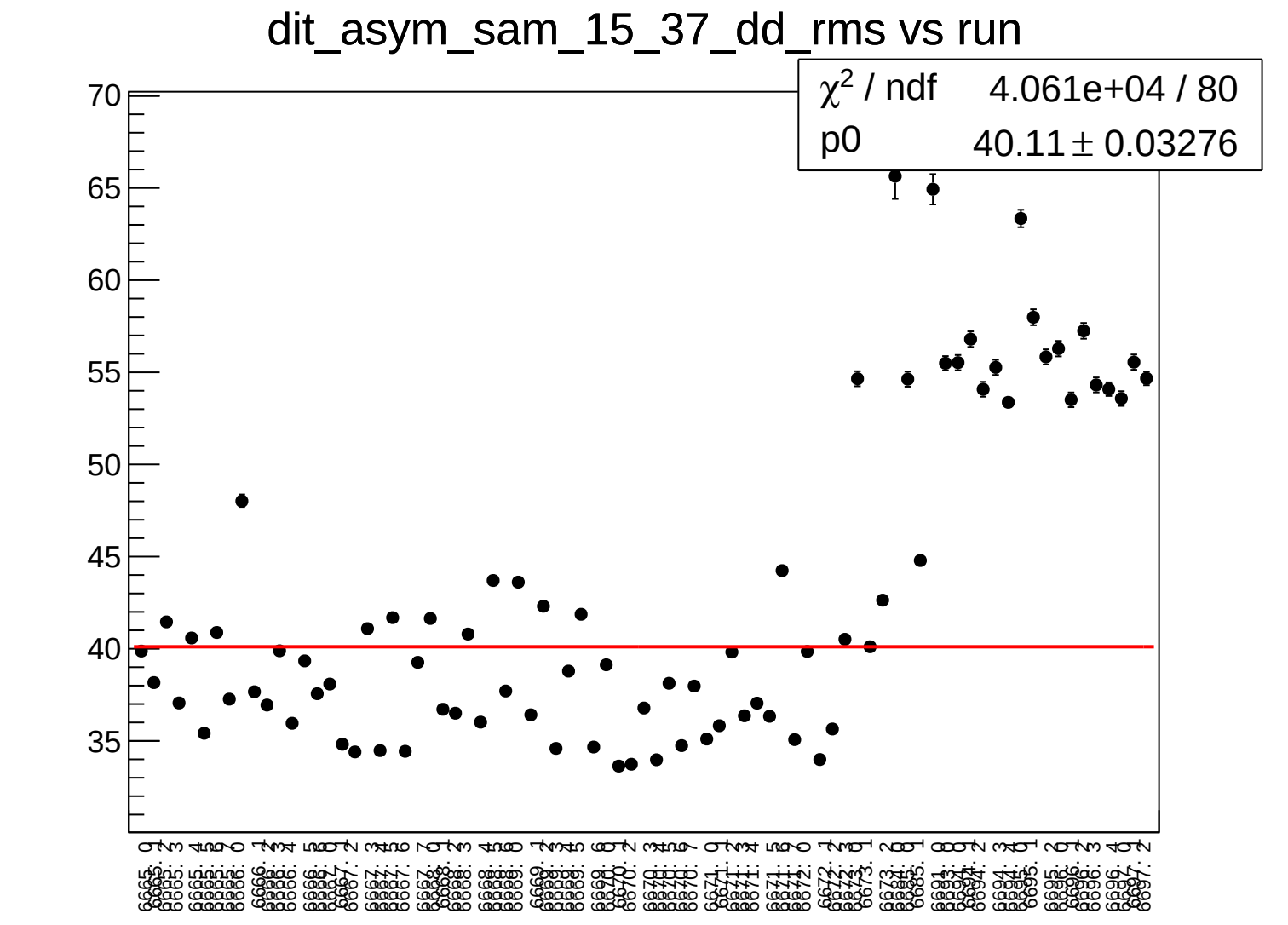

asym_sam_13_57_dd_mean vs run
χ² / ndf 51.16 / 80
p0 −140.7 ± 344.7
pull
Entries 81
Mean −155
Std Dev 211.6

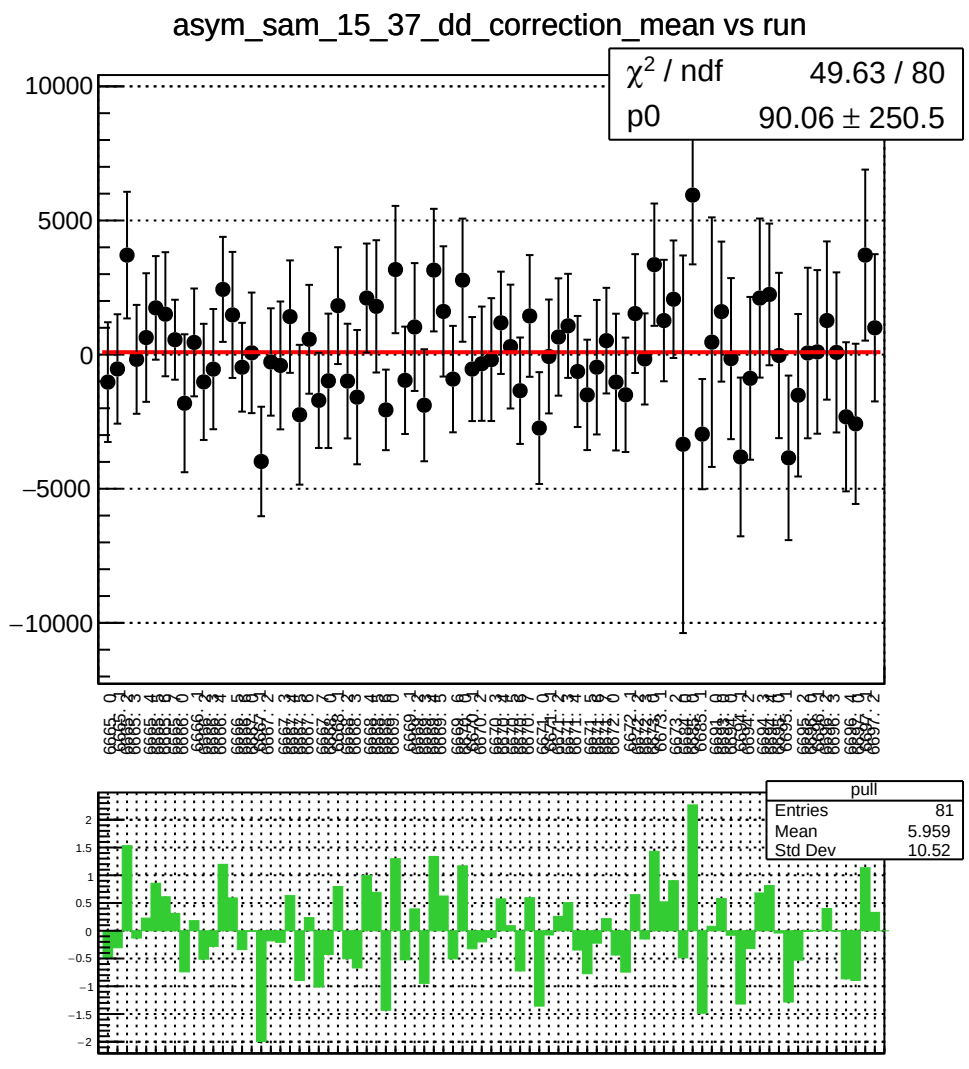

pull1D
Entries 81
Mean 0.004008
Std Dev 0.7947

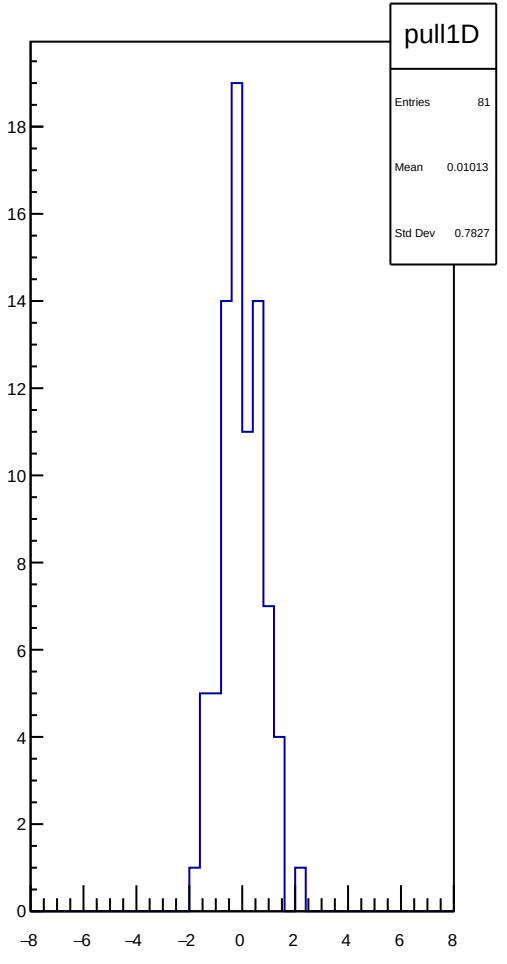

asym_sam_13_57_dd_rms vs run
χ² / ndf 9367 / 80
p0 301.5 ± 0.2438
380
360
340
320
300
280
260

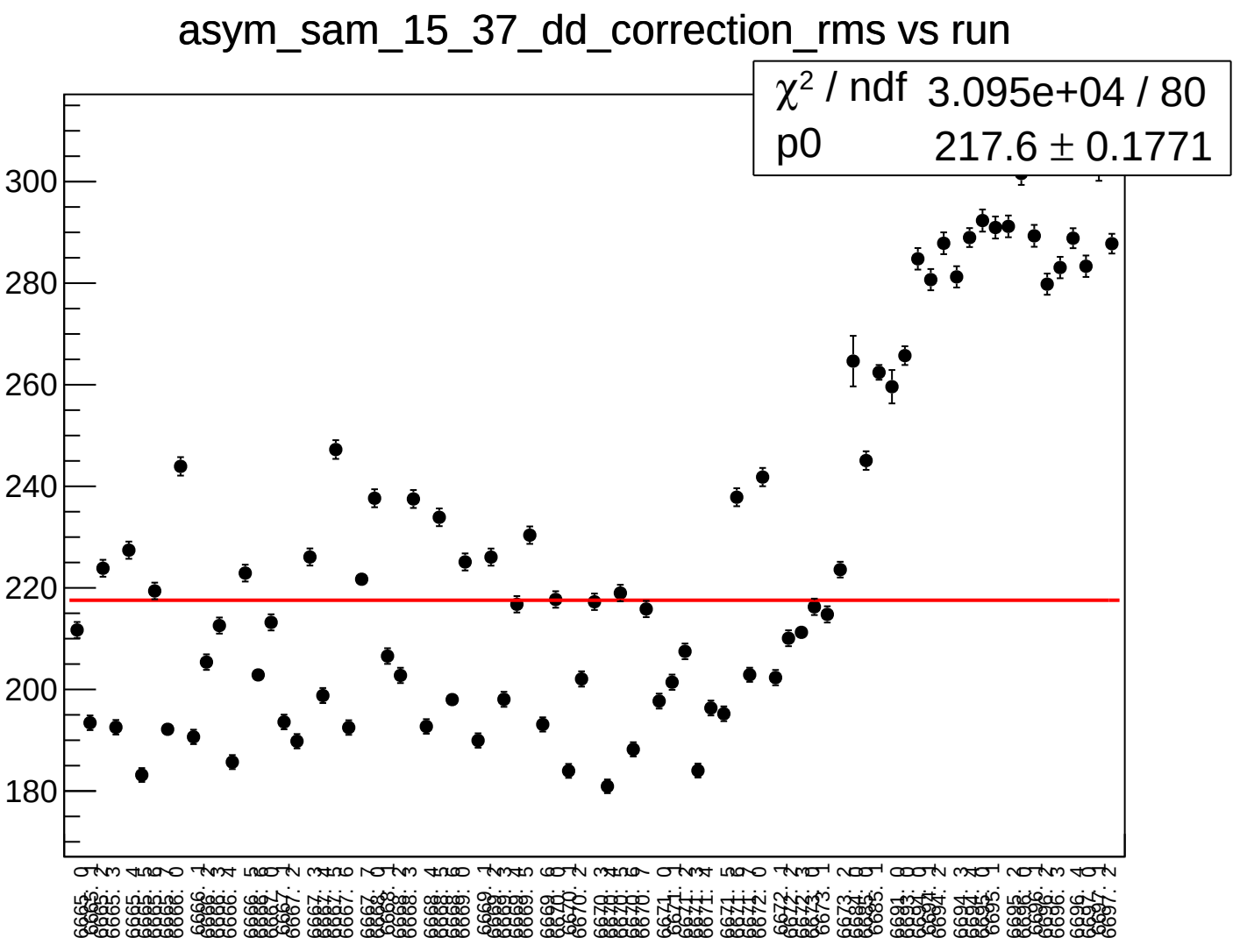

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 76.73 / 80
p0 −103.4 ± 46.32
pull
Entries 81
Mean 89.64
Std Dev 23.76

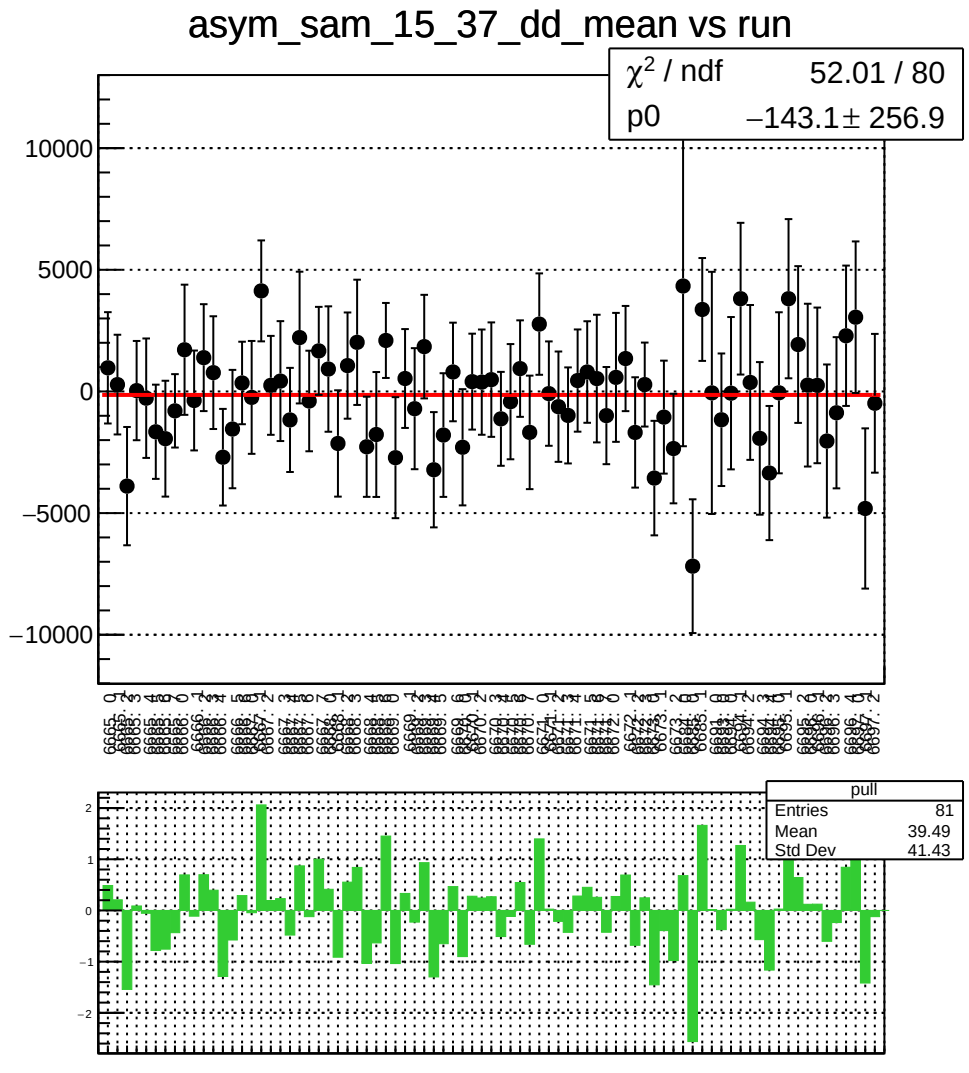

pull1D
Entries 81
Mean −0.01386
Std Dev 0.9732

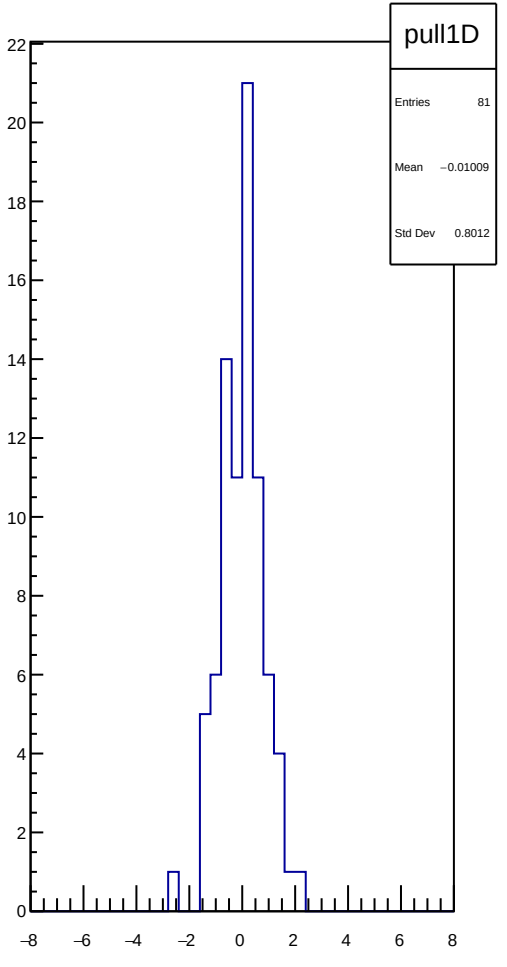

dit_asym_sam_15_37_dd_rms vs run
$\chi^2$ / ndf 4.061e+04 / 80
p0 40.11 ± 0.03276
70
65
60
55
50
45
40
35

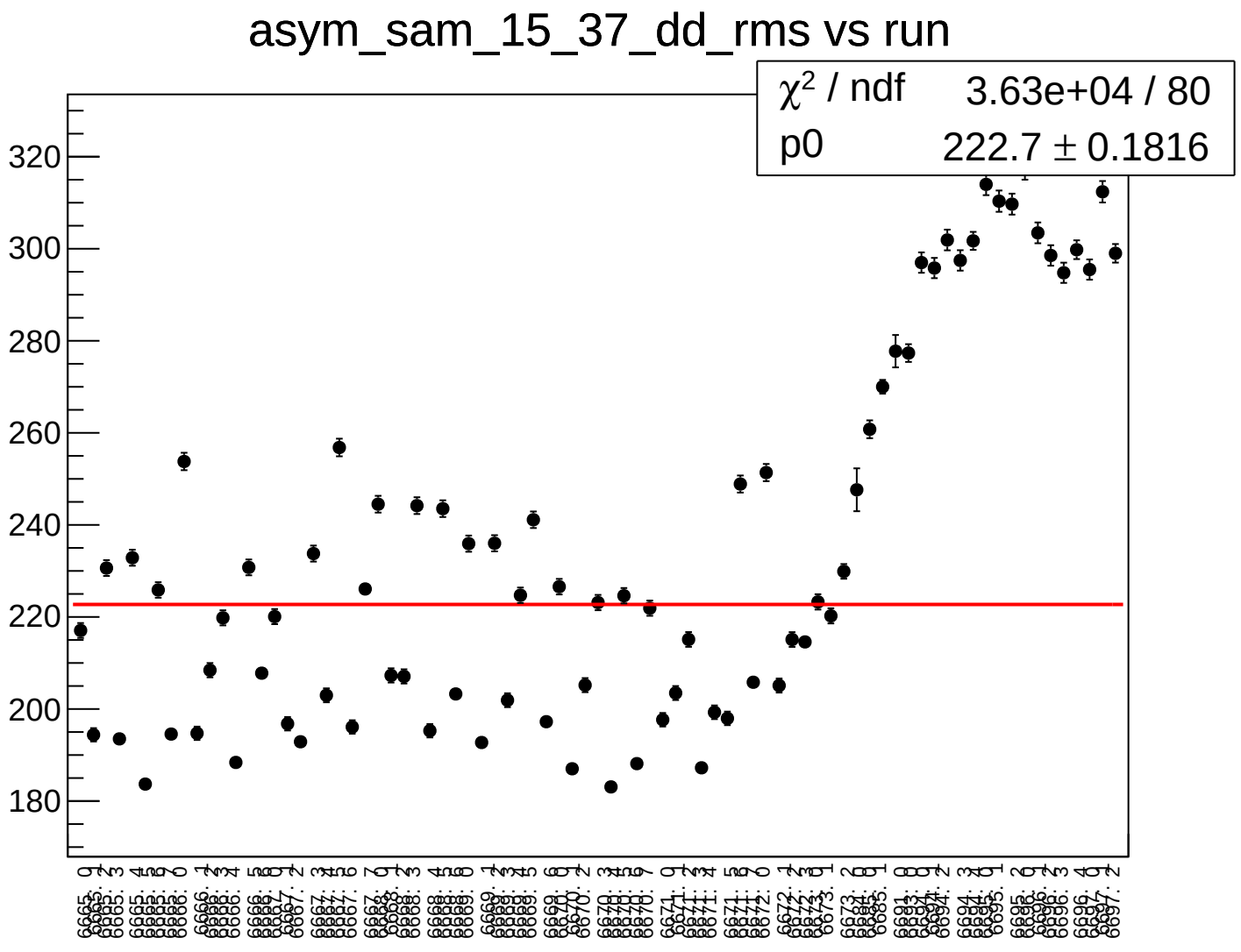

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 49.63 / 80
p0 90.06 ± 250.5
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 5.959
Std Dev 10.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

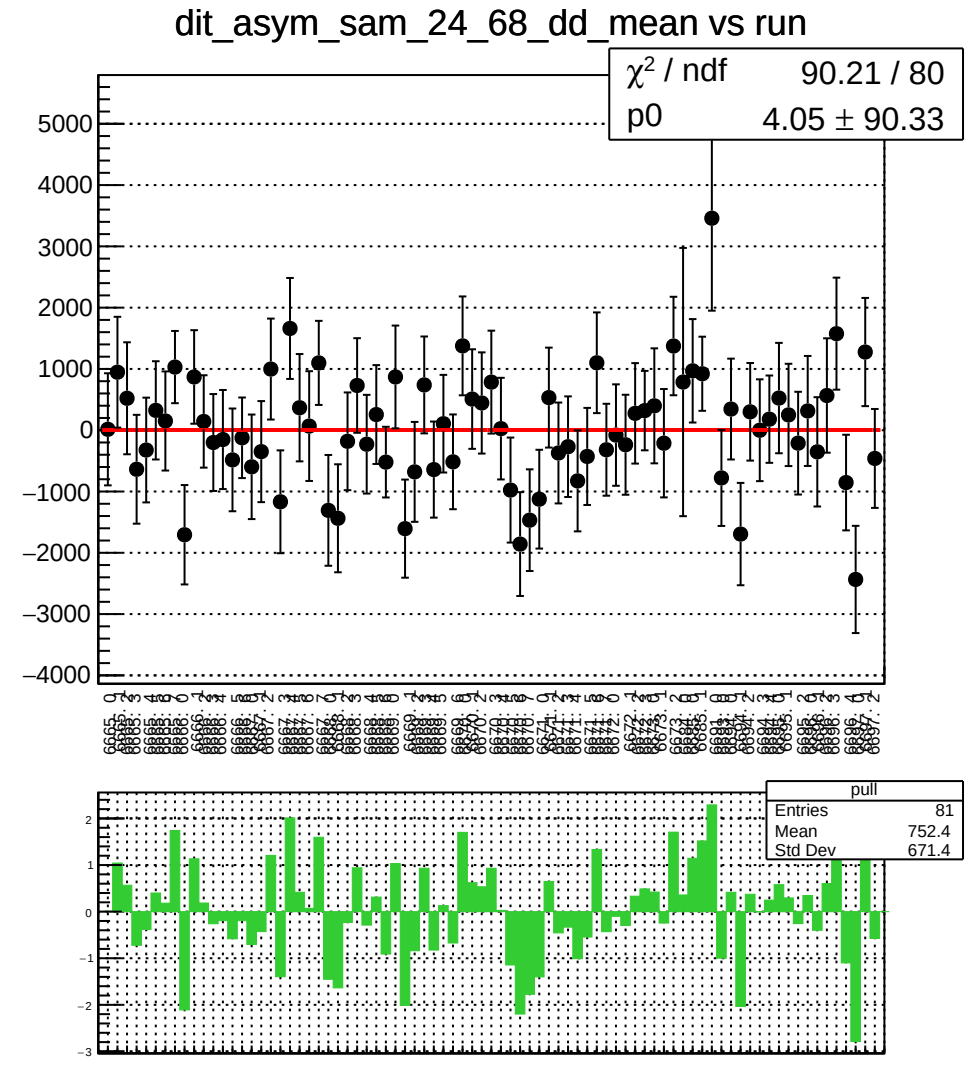

pull1D
Entries 81
Mean 0.01013
Std Dev 0.7827
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

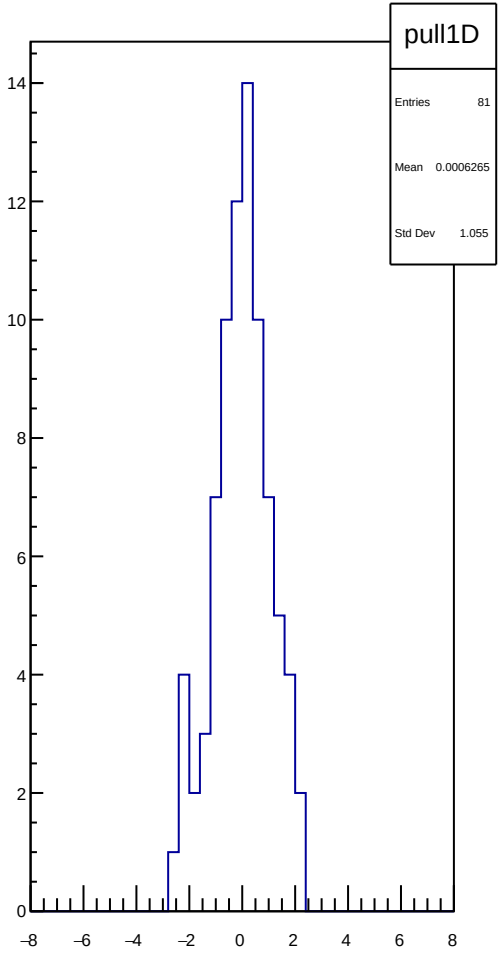

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3.095e+04 / 80
p0 217.6 ± 0.1771
300
280
260
240
220
200
180

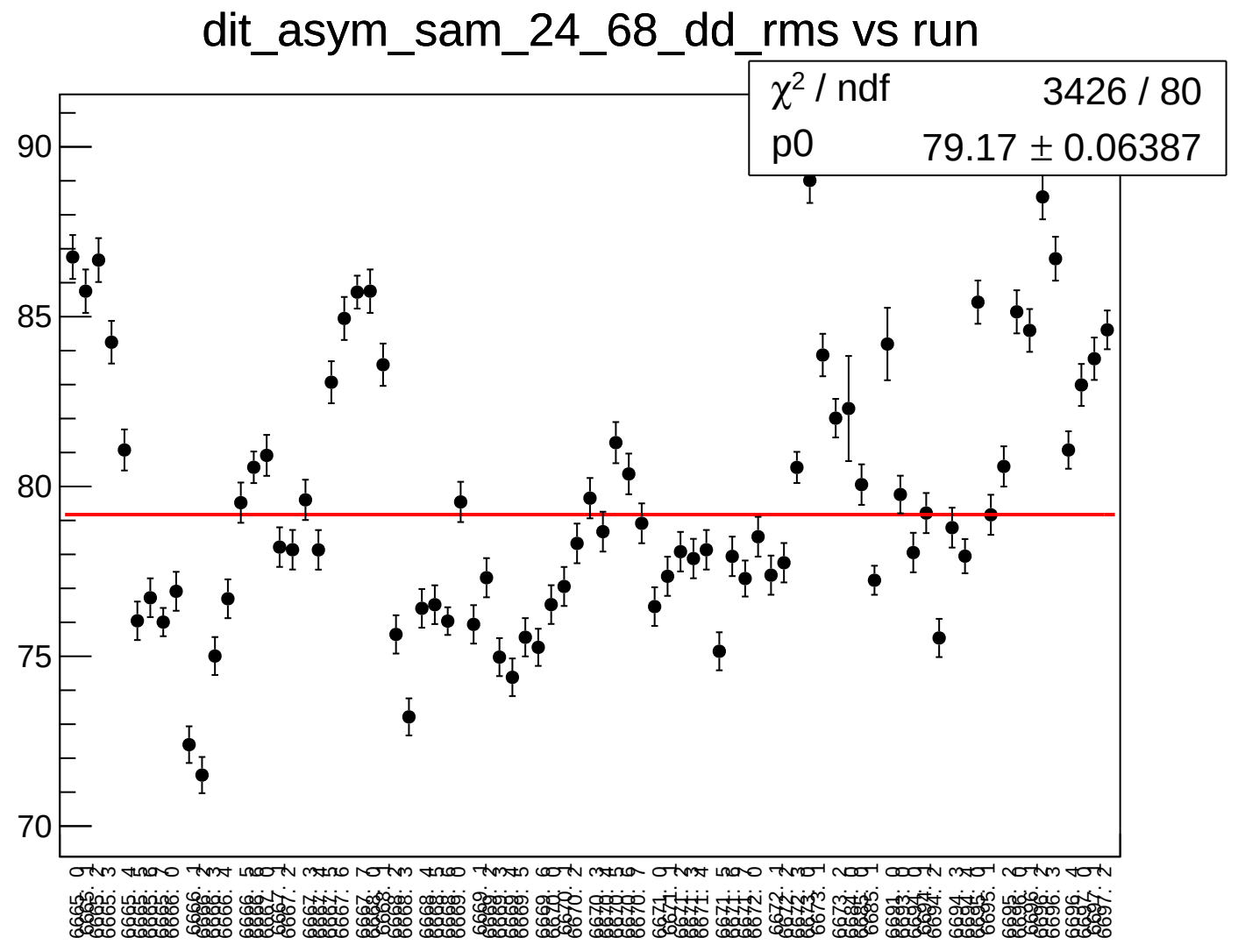

asym_sam_15_37_dd_mean vs run
χ² / ndf 52.01 / 80
p0 −143.1± 256.9
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 39.49
Std Dev 41.43
2
1
0
−1
−2

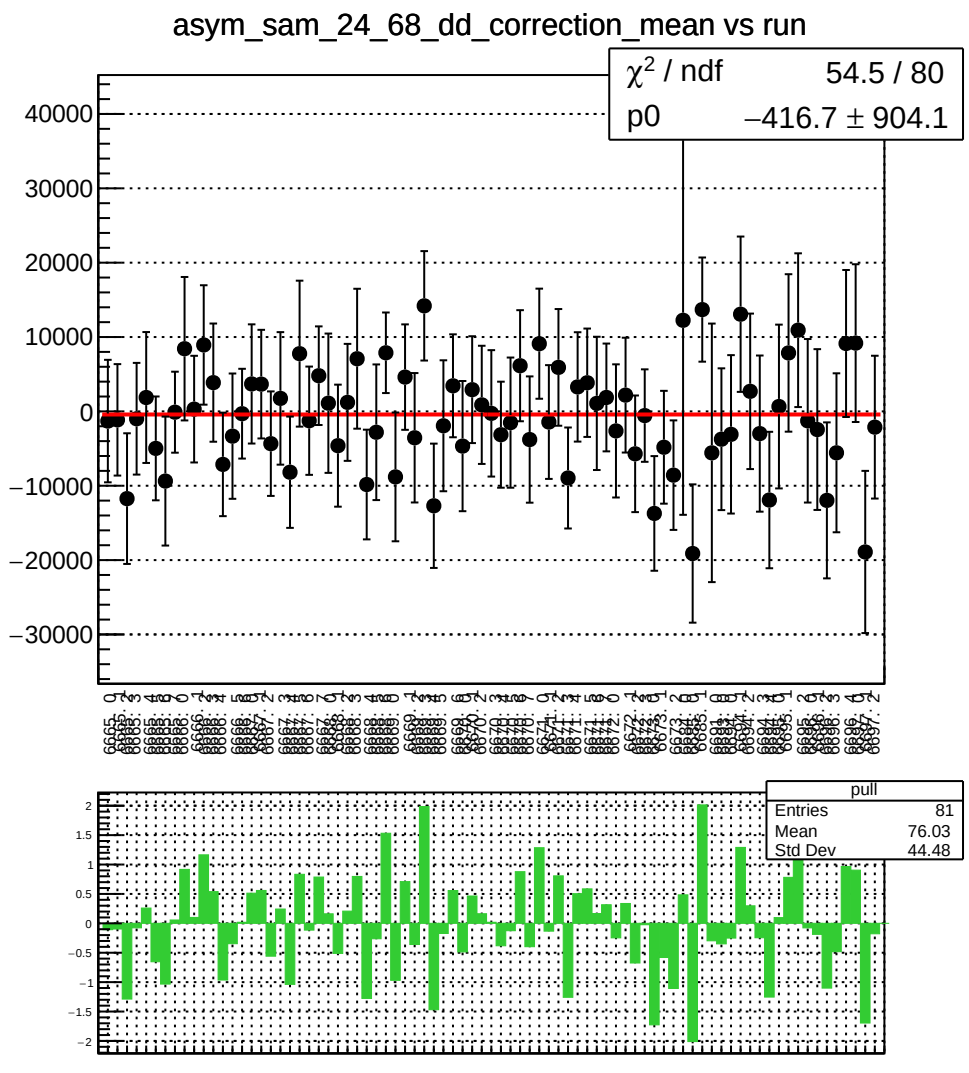

pull1D
Entries 81
Mean −0.01009
Std Dev 0.8012
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

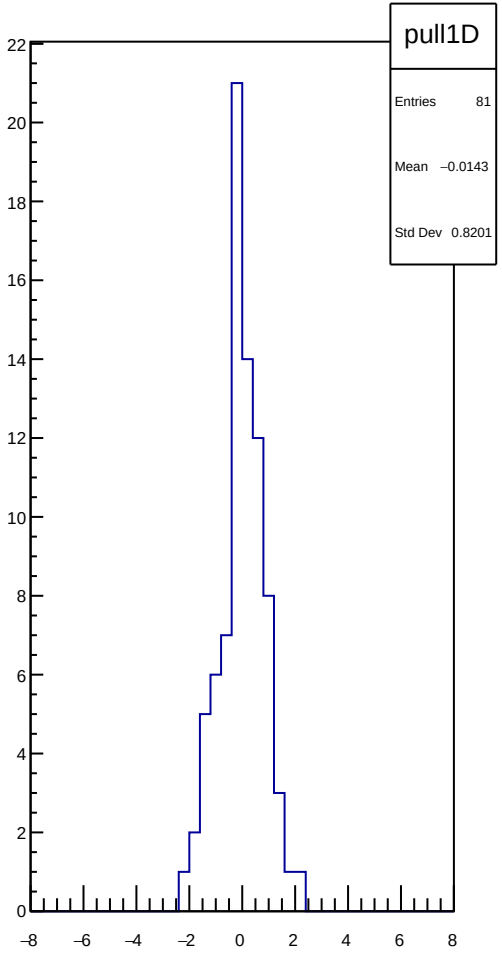

asym_sam_15_37_dd_rms vs run
χ² / ndf 3.63e+04 / 80
p0 222.7 ± 0.1816
320
300
280
260
240
220
200
180

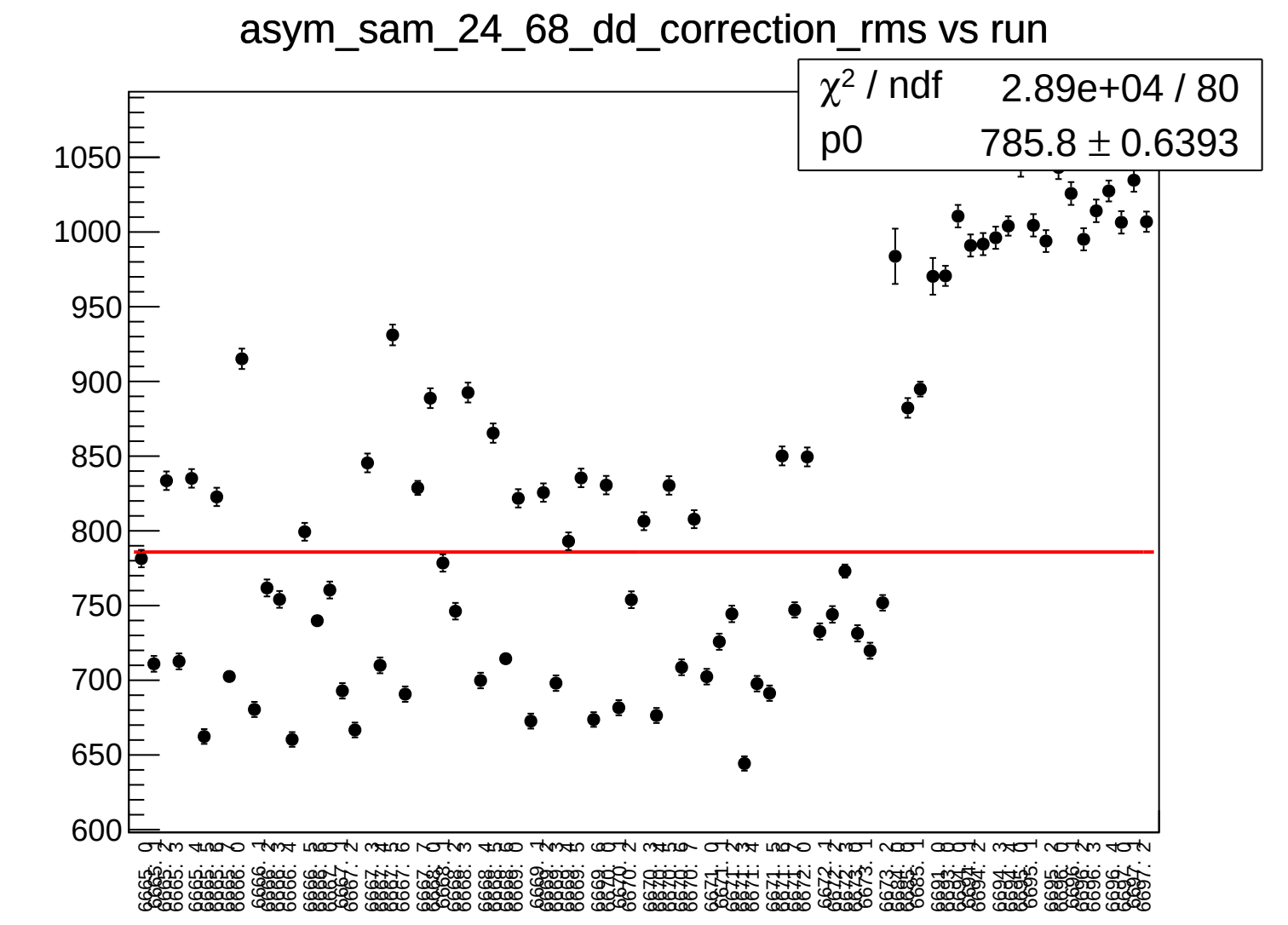

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 90.21 / 80
p0 4.05 ± 90.33
pull
Entries 81
Mean 752.4
Std Dev 671.4

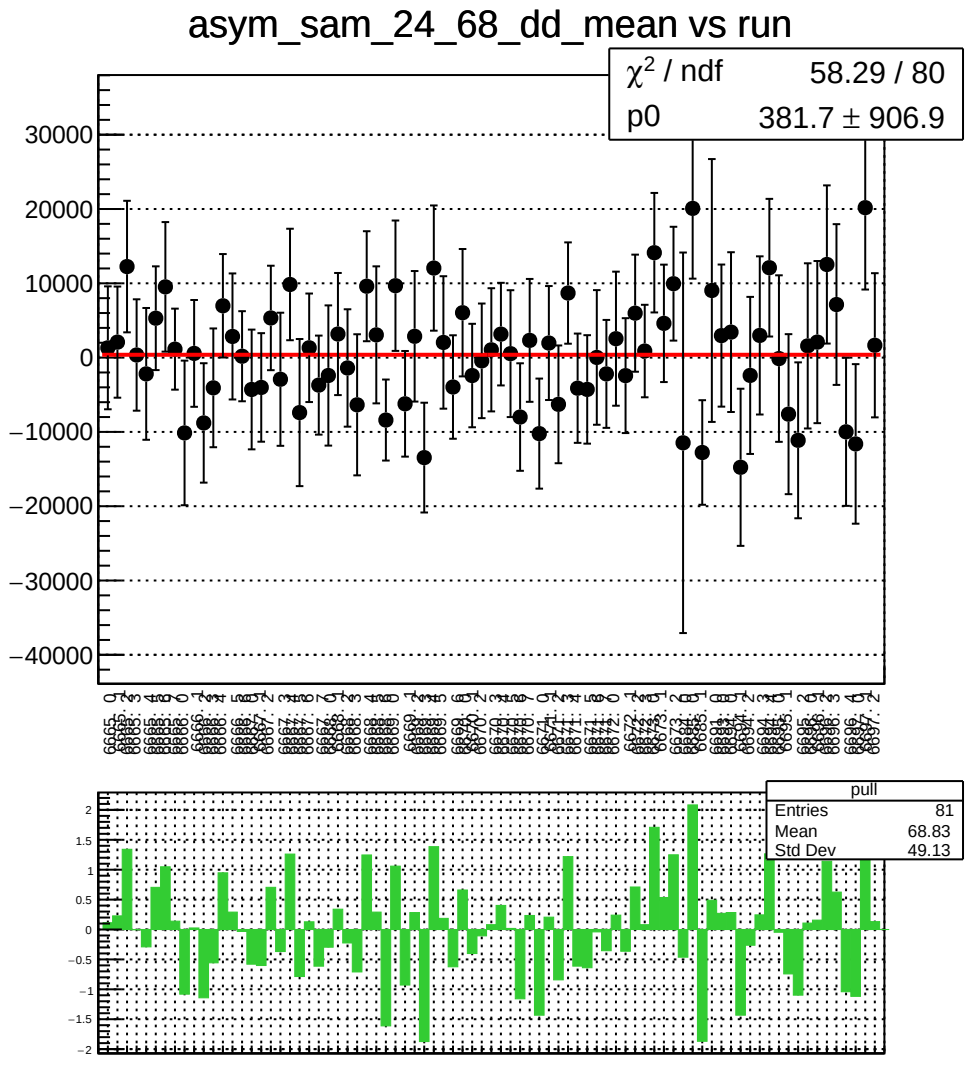

pull1D
Entries 81
Mean 0.0006265
Std Dev 1.055

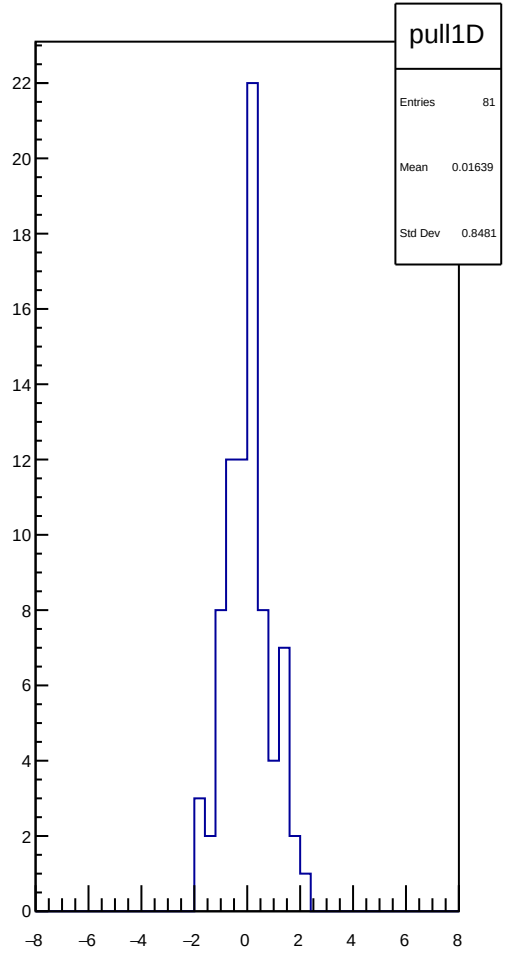

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 3426 / 80
p0 79.17 ± 0.06387
90
85
80
75
70

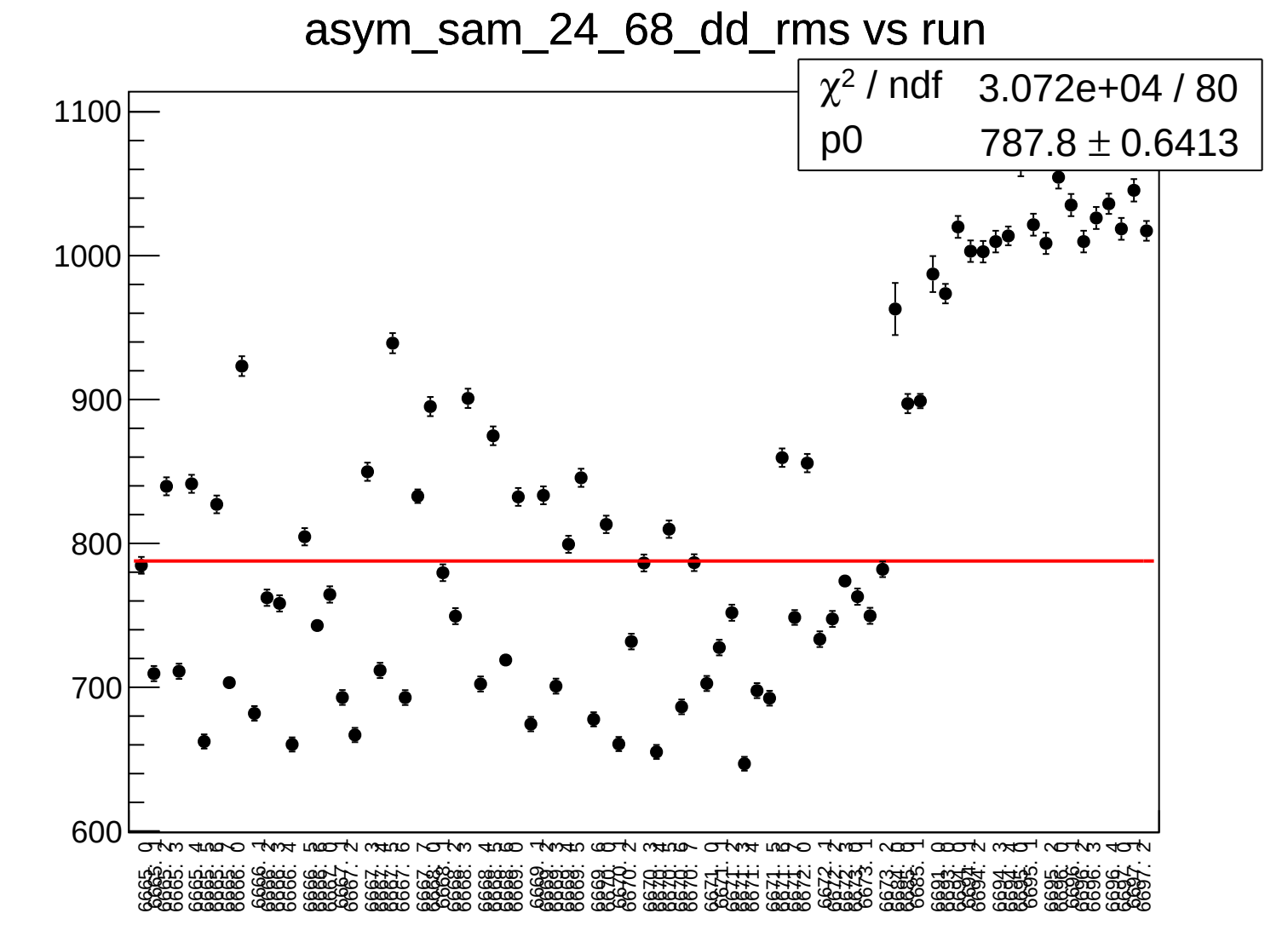

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 54.5 / 80
p0 −416.7 ± 904.1
pull
Entries 81
Mean 76.03
Std Dev 44.48

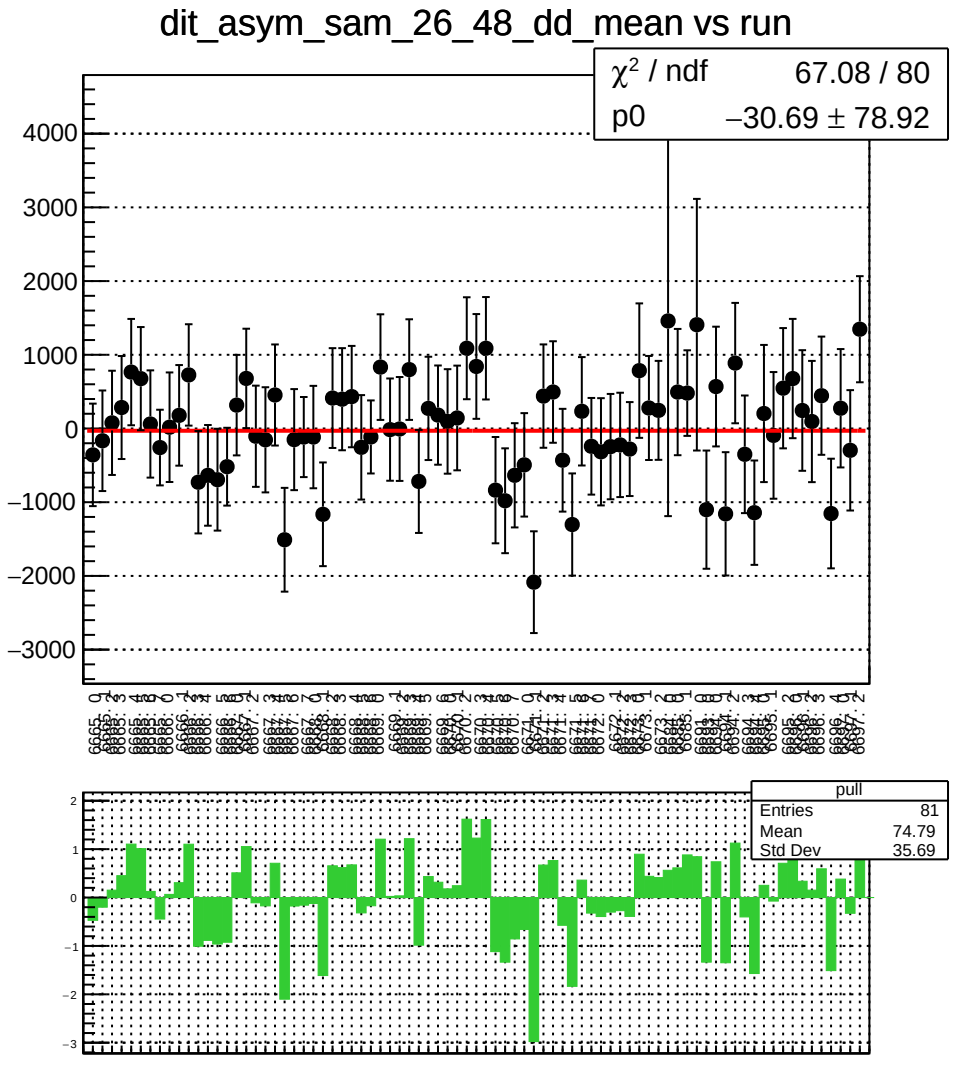

pull1D
Entries 81
Mean −0.0143
Std Dev 0.8201

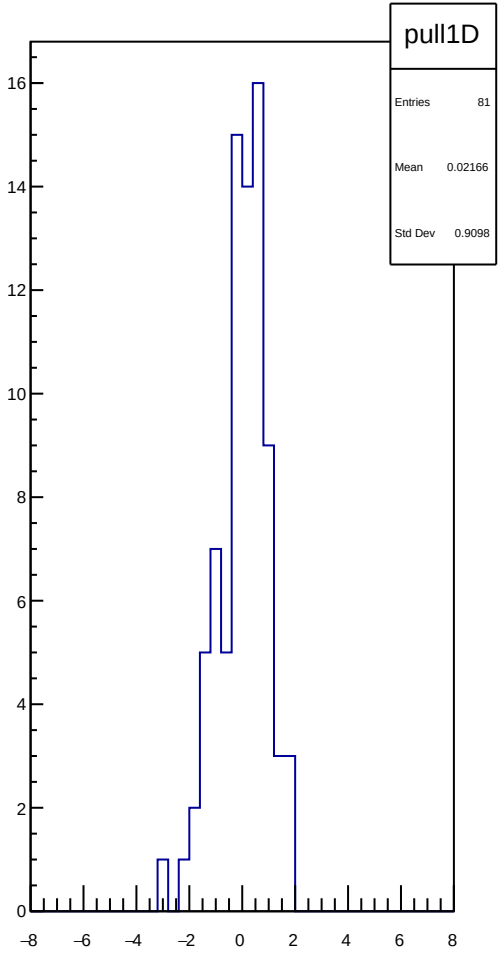

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2.89e+04 / 80
p0 785.8 ± 0.6393
1050
1000
950
900
850
800
750
700
650
600

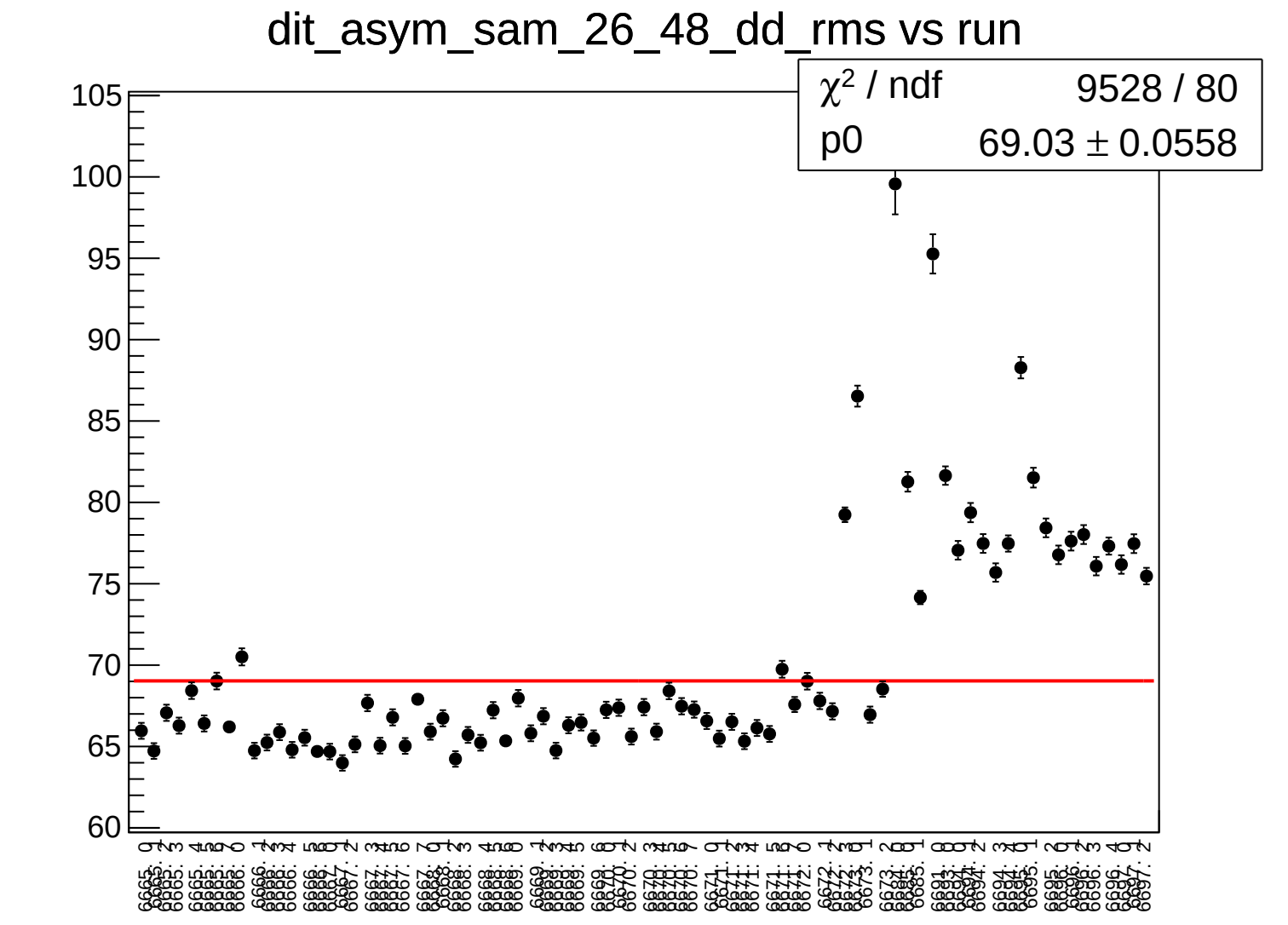

asym_sam_24_68_dd_mean vs run
χ² / ndf 58.29 / 80
p0 381.7 ± 906.9
pull
Entries 81
Mean 68.83
Std Dev 49.13

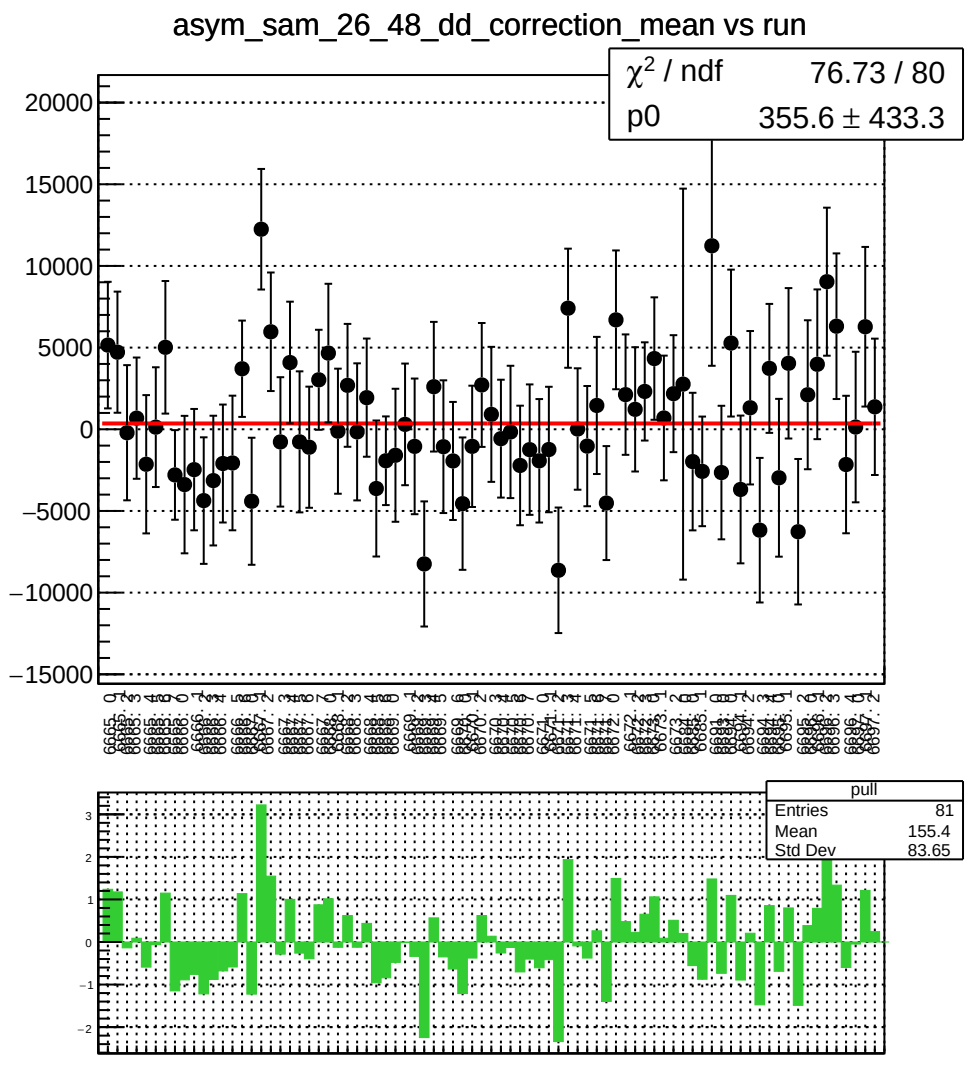

pull1D
Entries 81
Mean 0.01639
Std Dev 0.8481

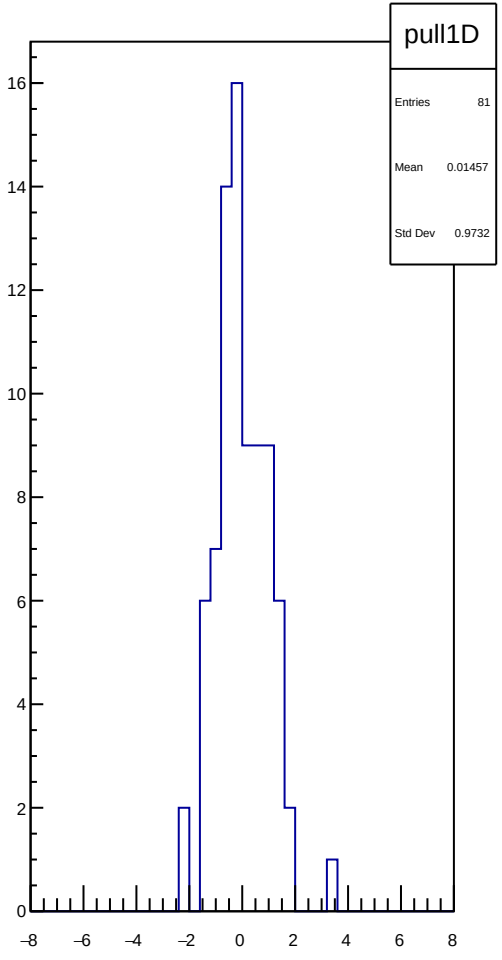

asym_sam_24_68_dd_rms vs run
χ² / ndf 3.072e+04 / 80
p0 787.8 ± 0.6413
1100
1000
900
800
700
600

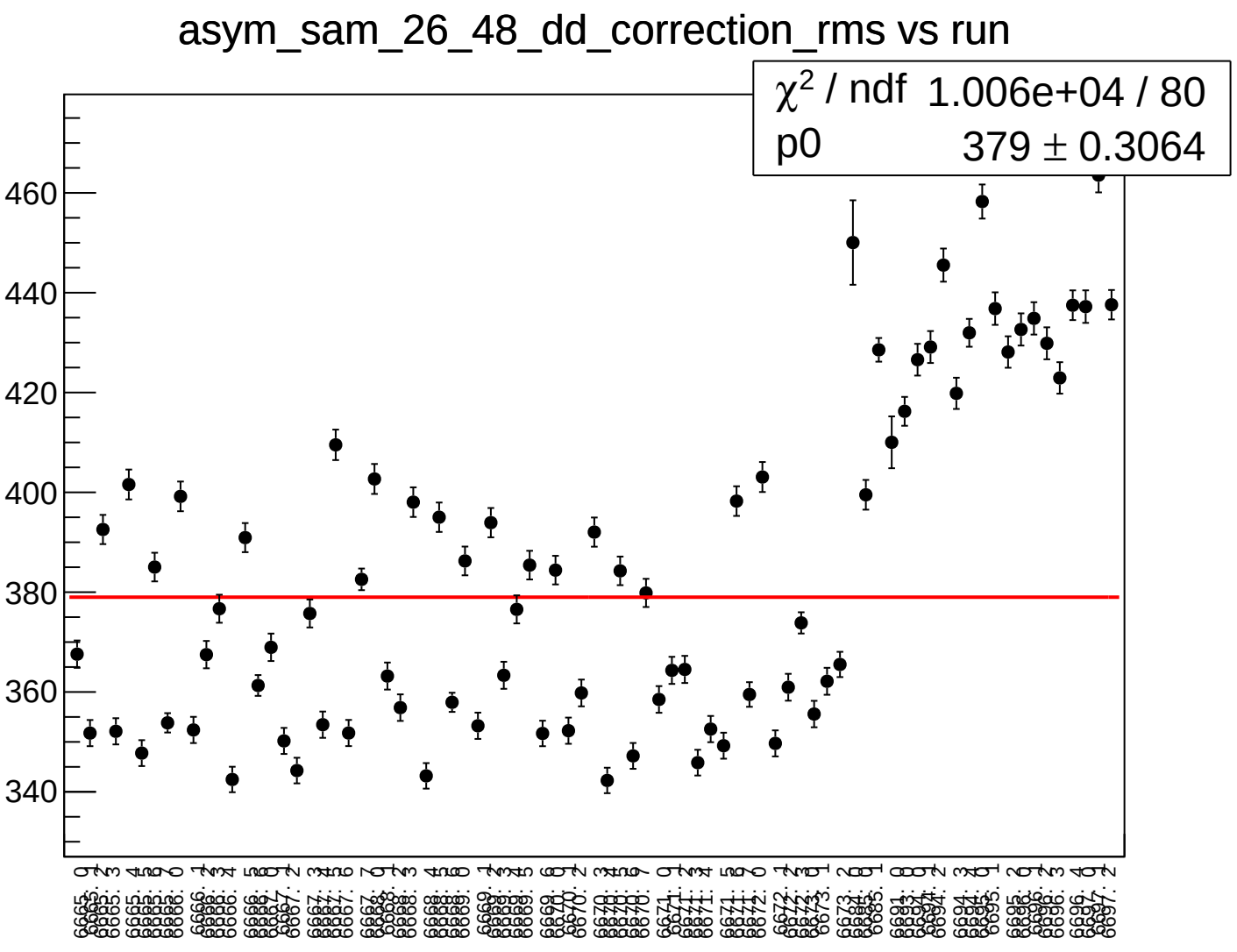

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 67.08 / 80
p0 −30.69 ± 78.92
pull
Entries 81
Mean 74.79
Std Dev 35.69

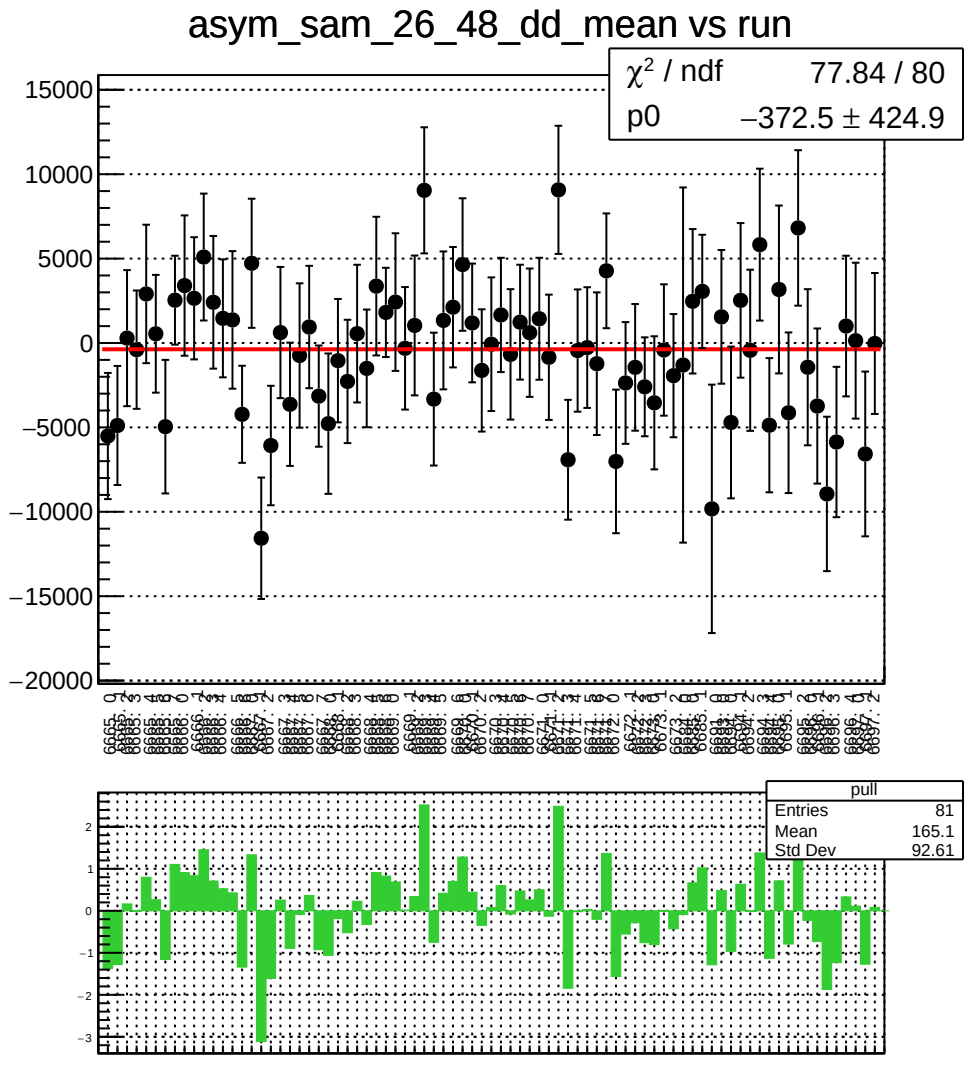

pull1D
Entries 81
Mean 0.02166
Std Dev 0.9098

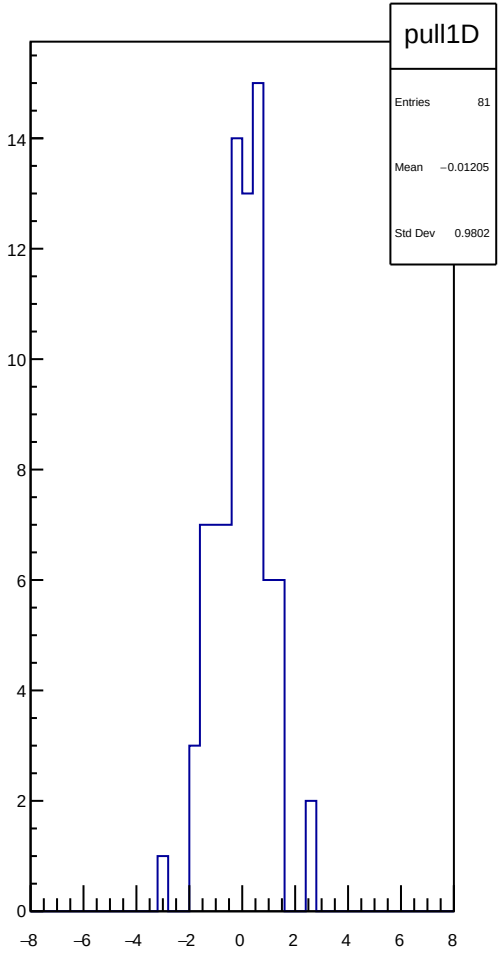

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 9528 / 80
p0 69.03 ± 0.0558
105
100
95
90
85
80
75
70
65
60

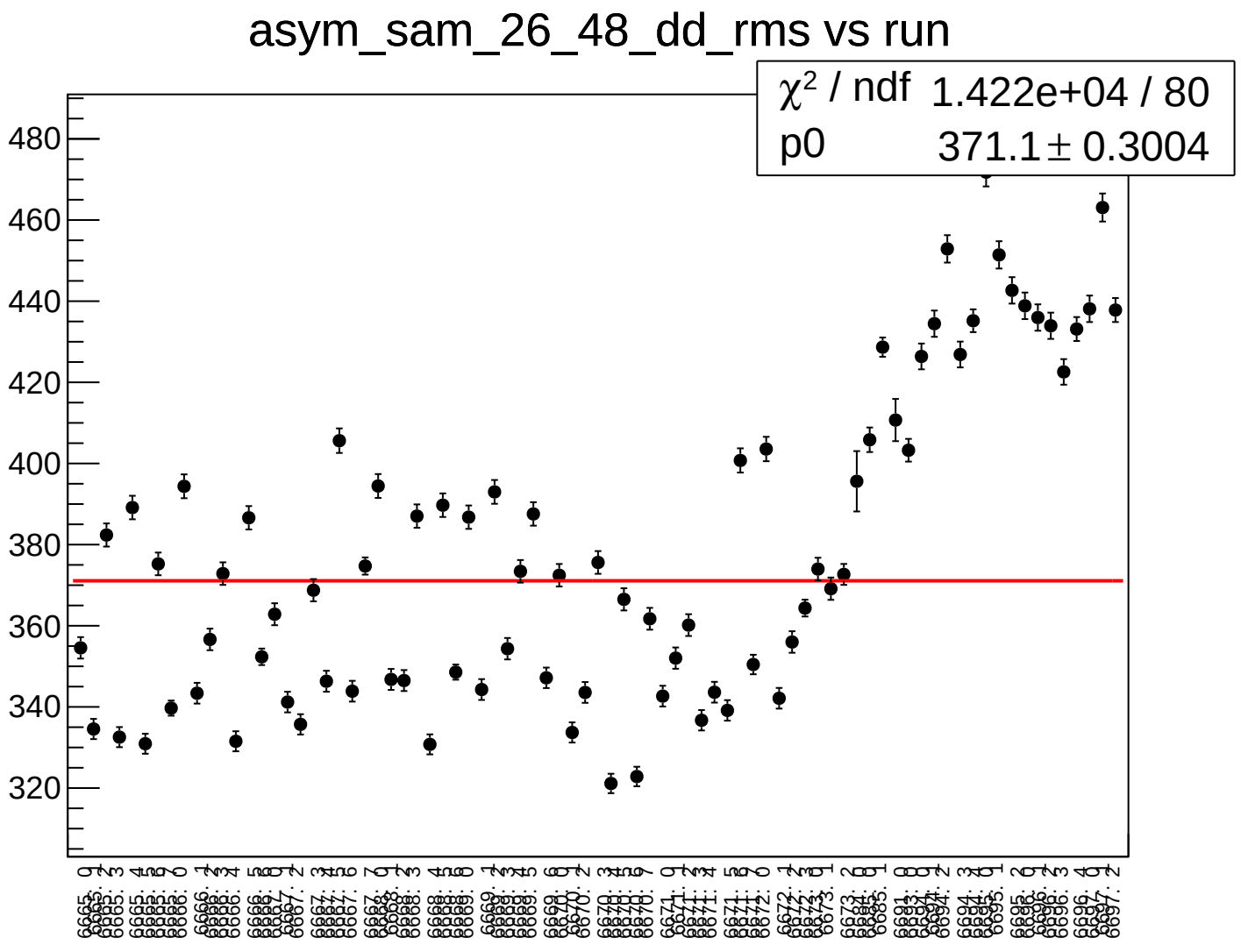

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 76.73 / 80
p0 355.6 ± 433.3
pull
Entries 81
Mean 155.4
Std Dev 83.65

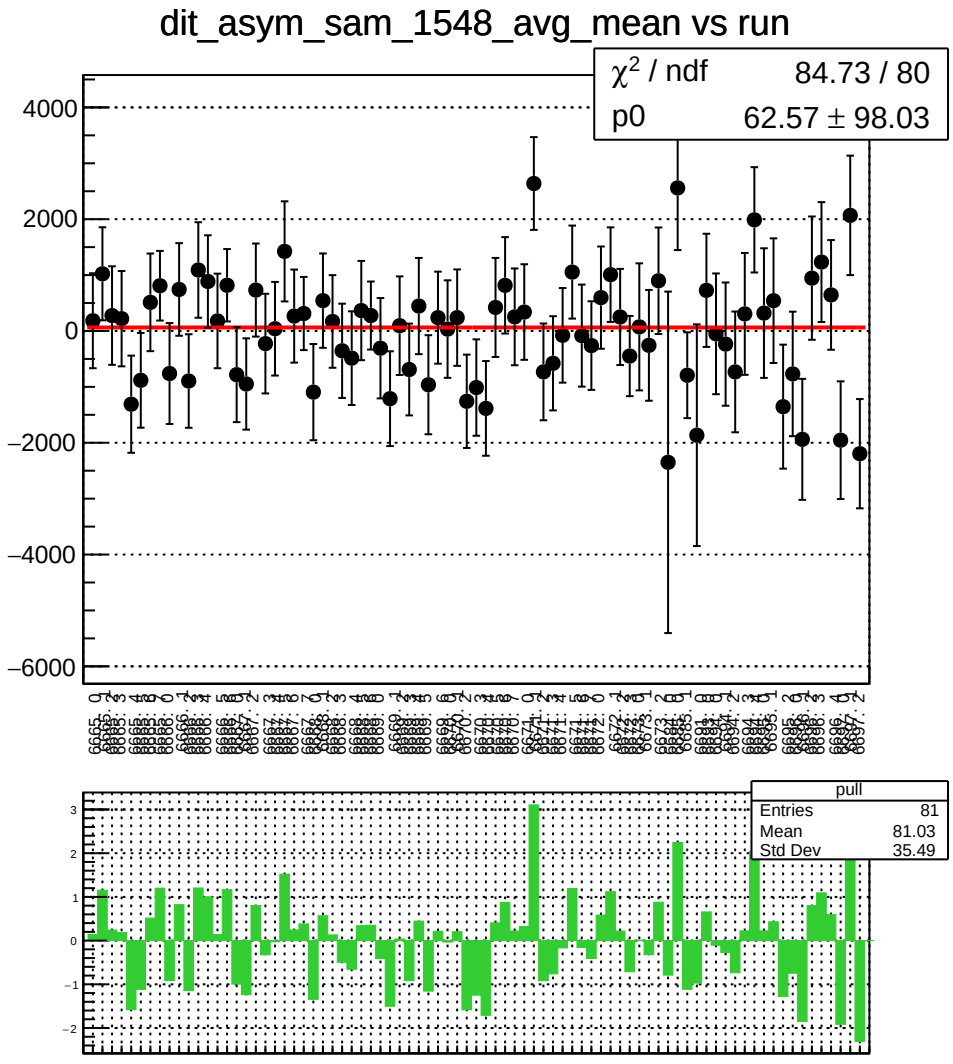

pull1D
Entries 81
Mean 0.01457
Std Dev 0.9732

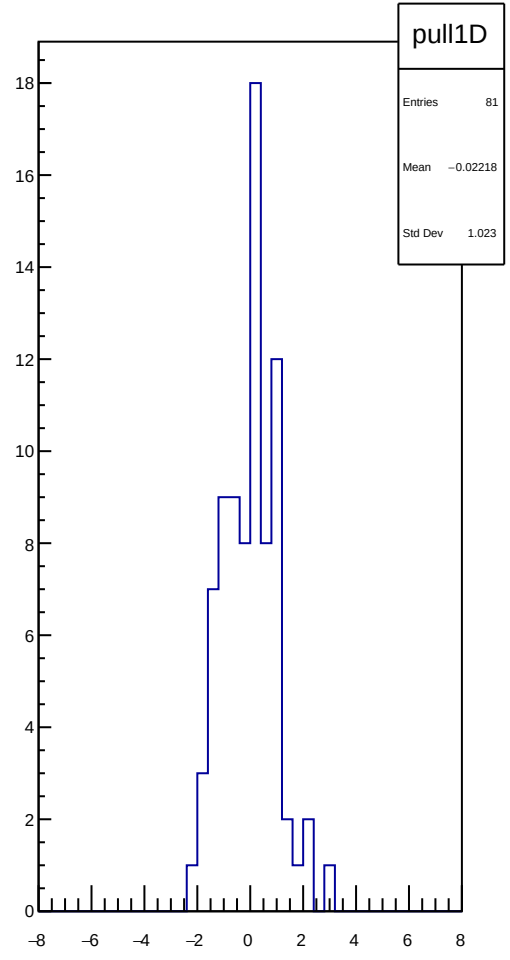

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1.006e+04 / 80
p0 379 ± 0.3064
460
440
420
400
380
360
340

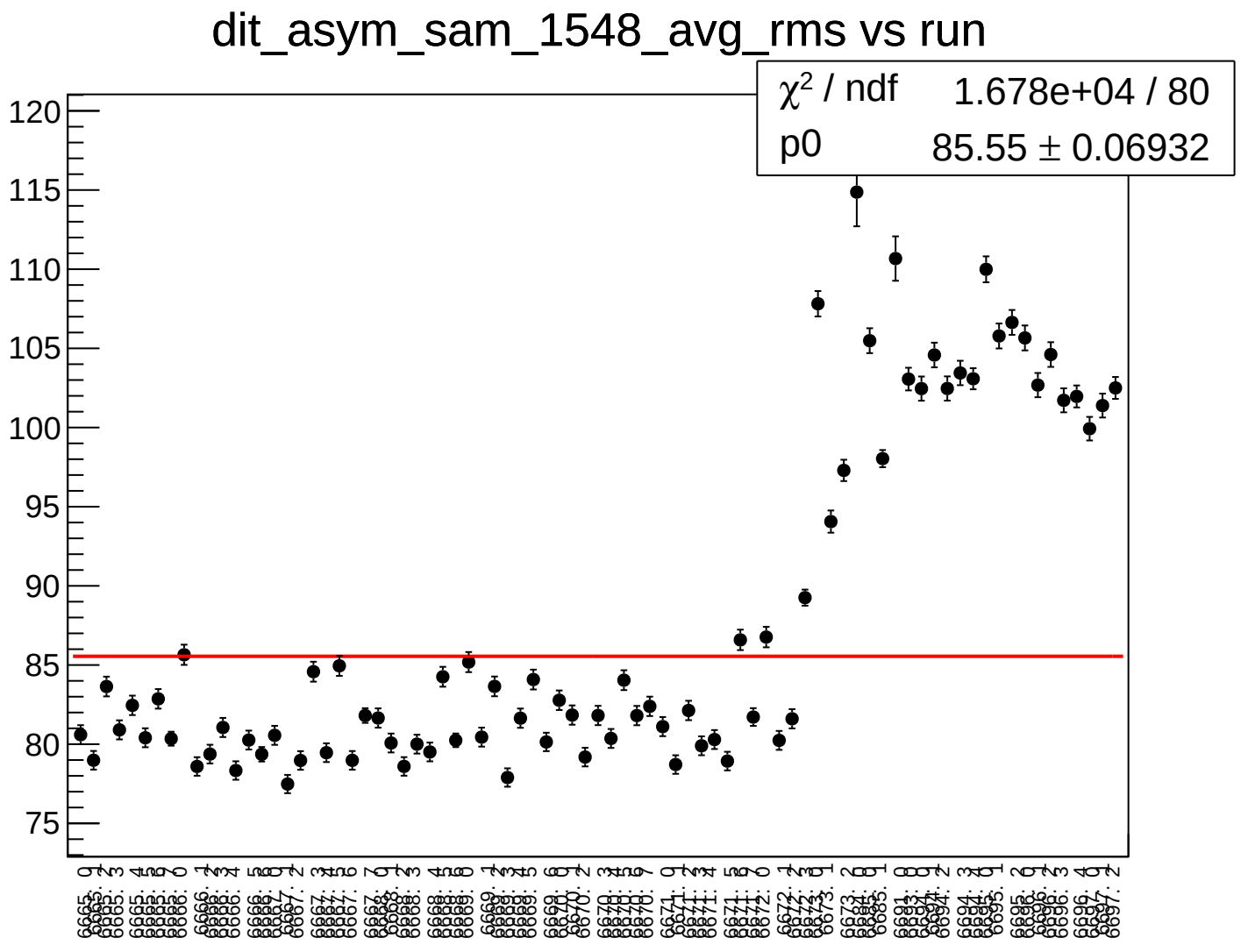

asym_sam_26_48_dd_mean vs run
χ² / ndf 77.84 / 80
p0 −372.5 ± 424.9
pull
Entries 81
Mean 165.1
Std Dev 92.61

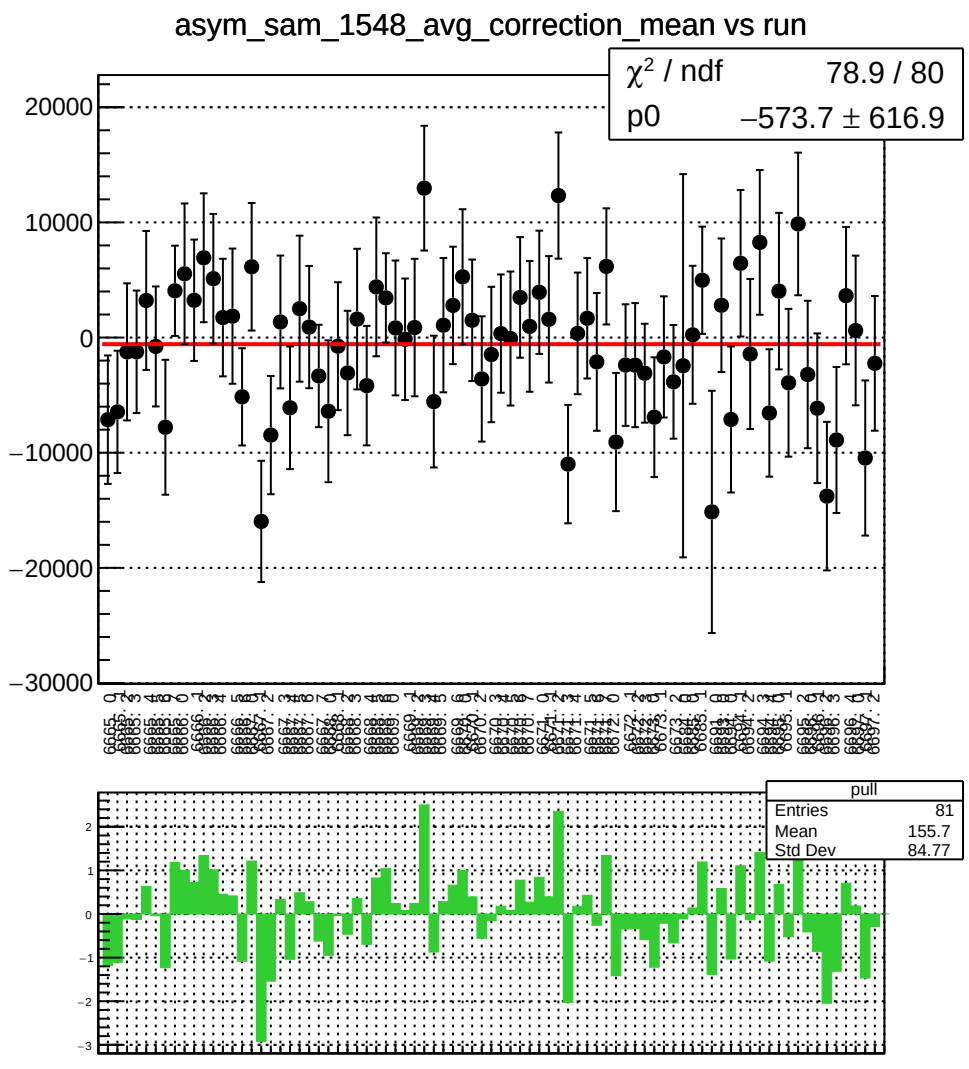

pull1D
Entries 81
Mean −0.01205
Std Dev 0.9802

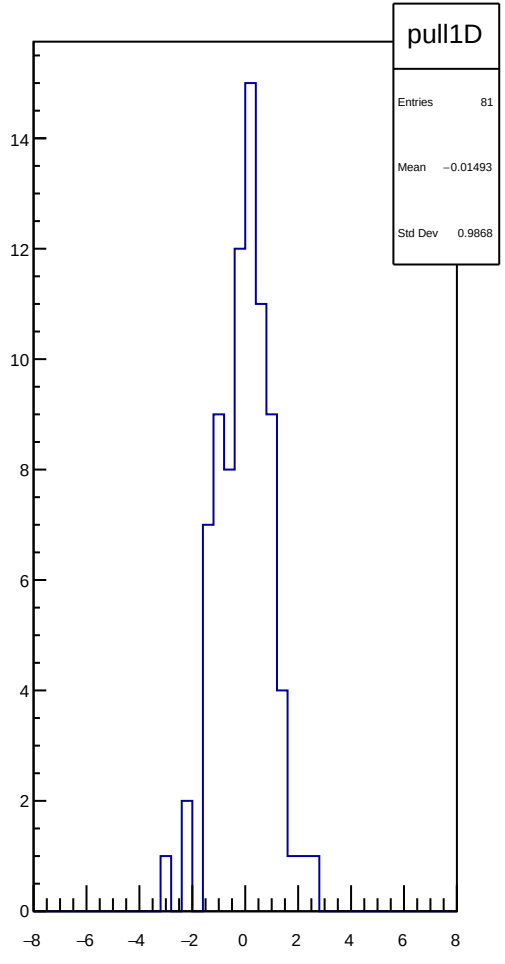

asym_sam_26_48_dd_rms vs run
χ² / ndf 1.422e+04 / 80
p0 371.1 ± 0.3004
480
460
440
420
400
380
360
340
320

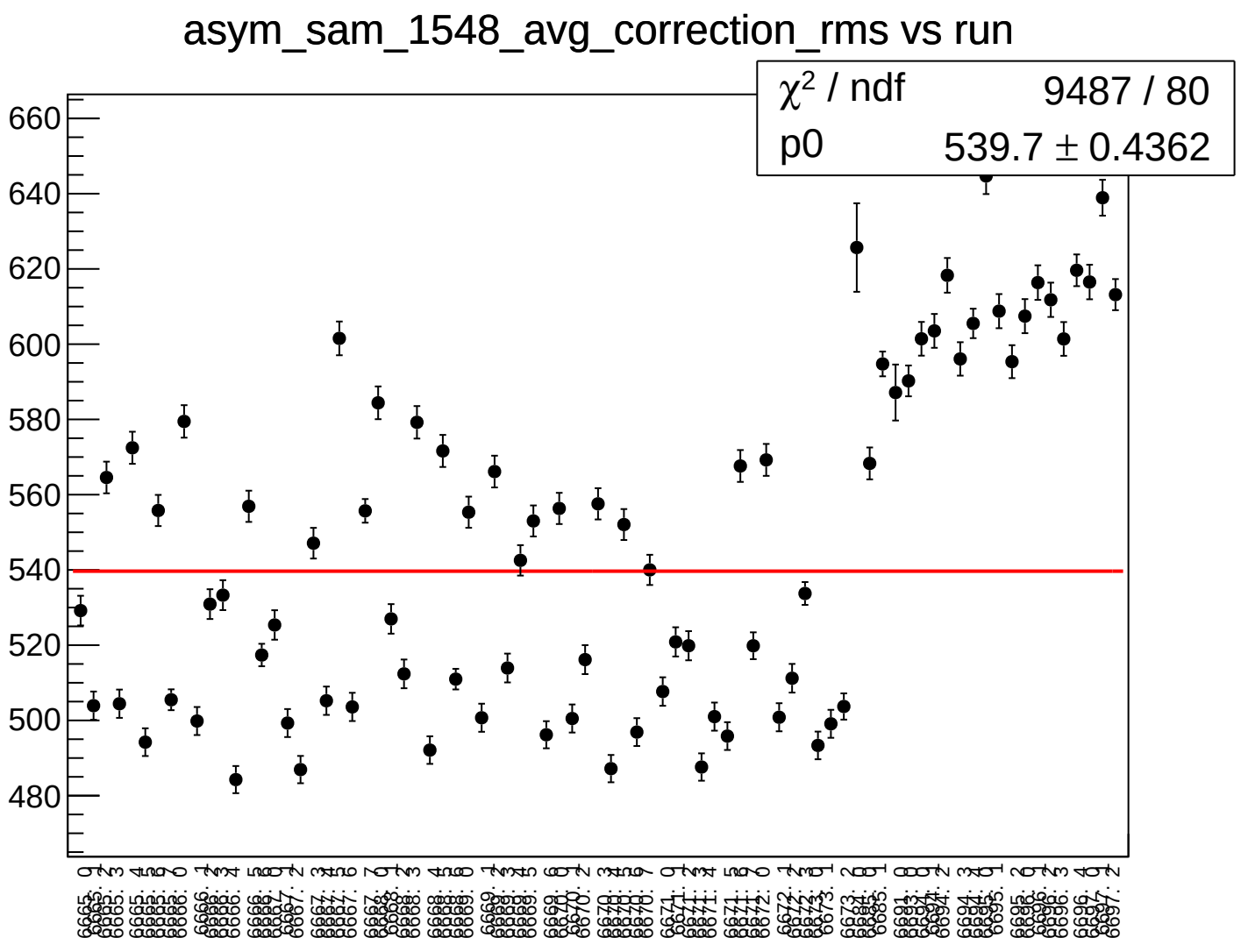

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 84.73 / 80
p0 62.57 ± 98.03
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean 81.03
Std Dev 35.49
3
2
1
0
−1
−2

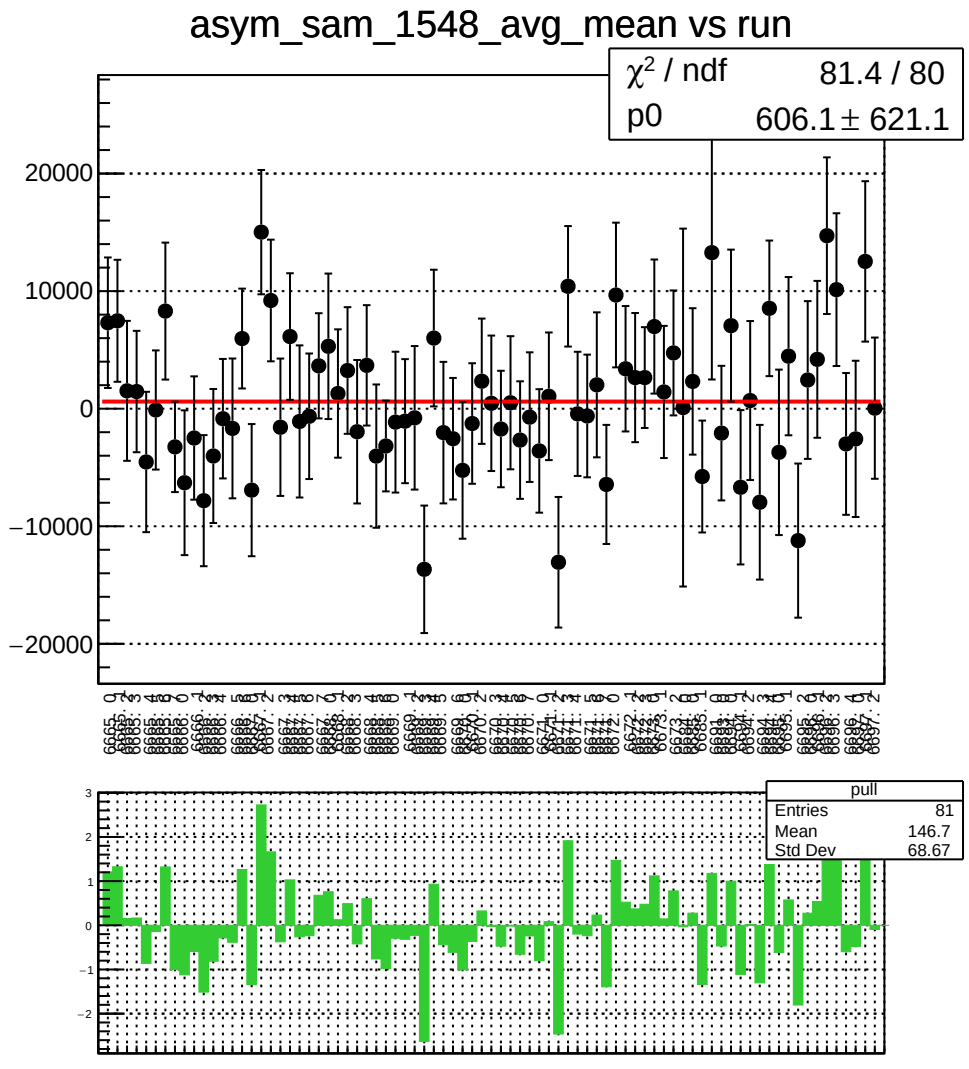

pull1D
Entries 81
Mean −0.02218
Std Dev 1.023
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

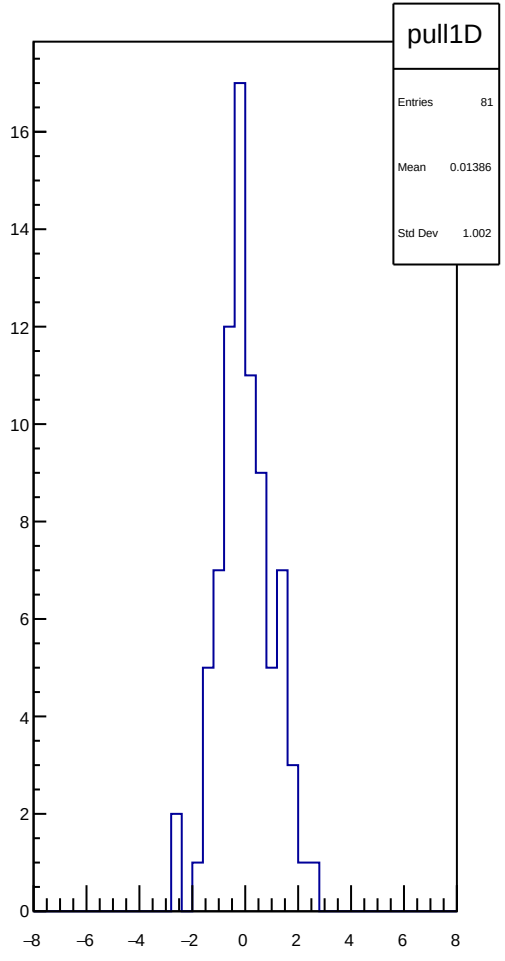

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.678e+04 / 80
p0 85.55 ± 0.06932
120
115
110
105
100
95
90
85
80
75

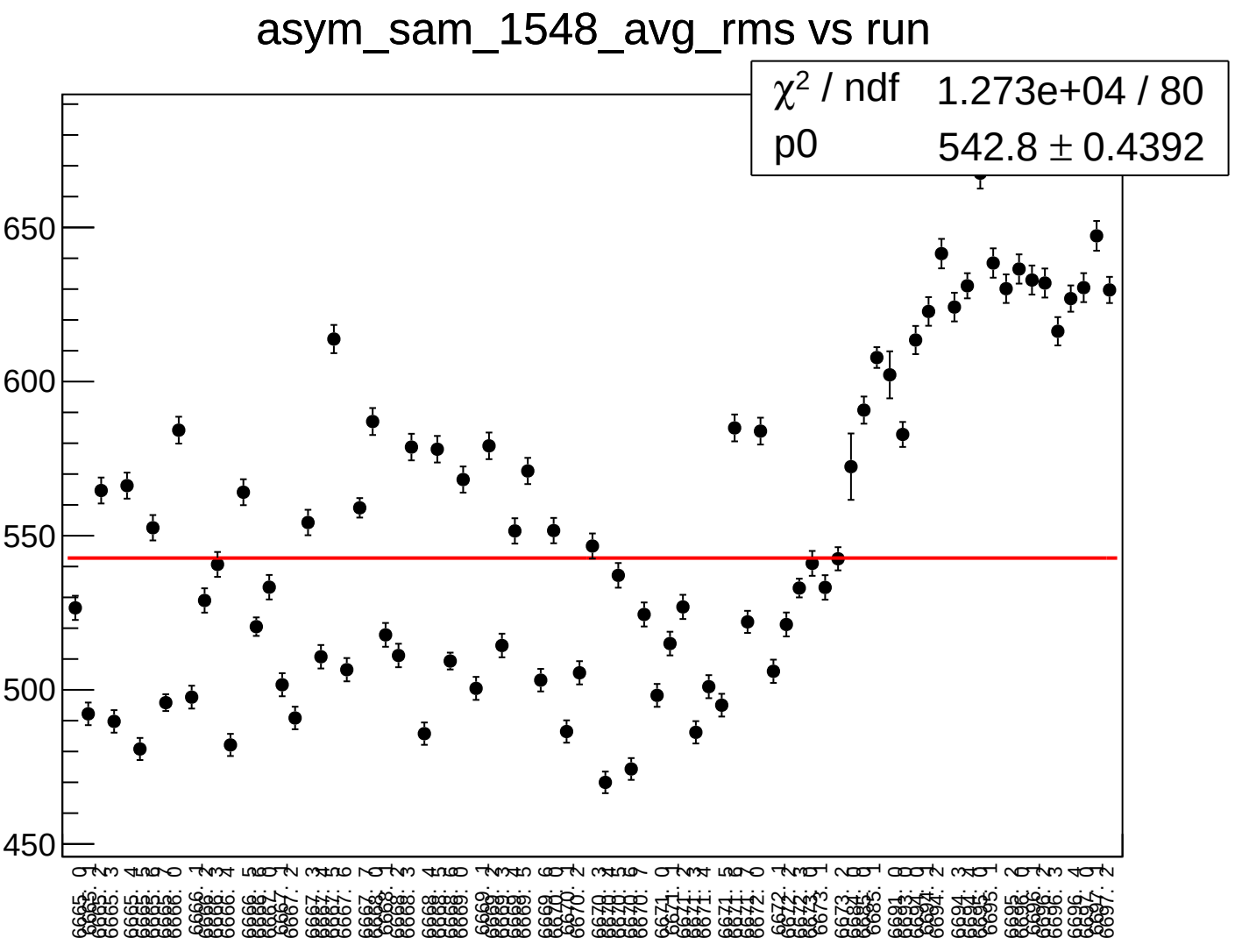

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 78.9 / 80
p0 −573.7 ± 616.9
pull
Entries 81
Mean 155.7
Std Dev 84.77

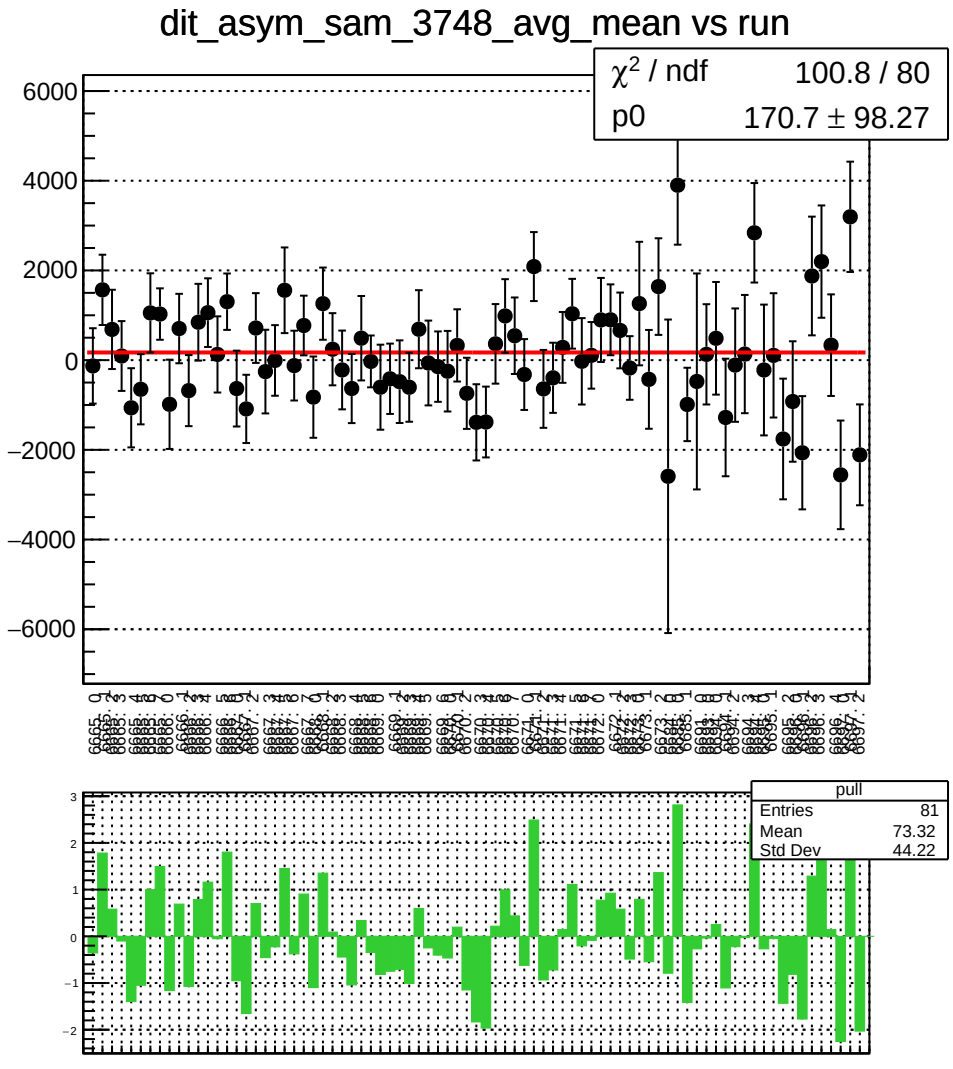

pull1D
Entries 81
Mean −0.01493
Std Dev 0.9868

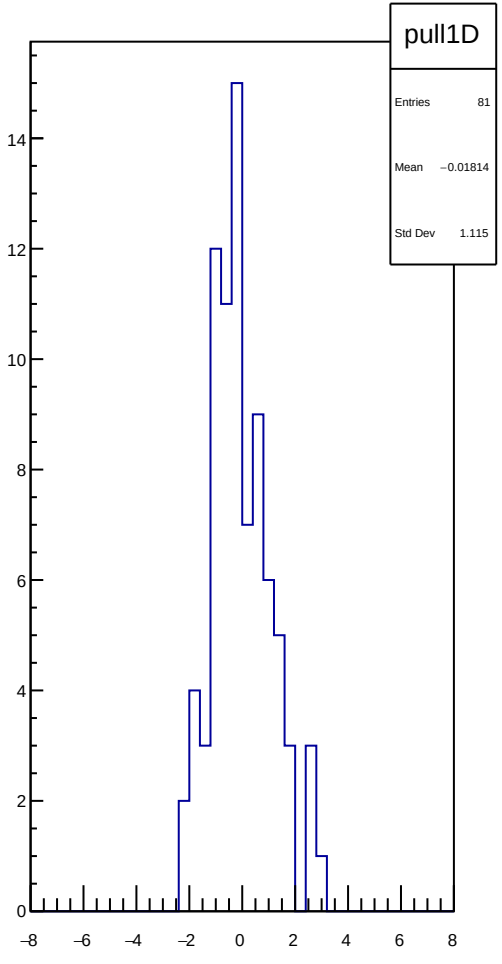

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 9487 / 80
p0 539.7 ± 0.4362
660
640
620
600
580
560
540
520
500
480

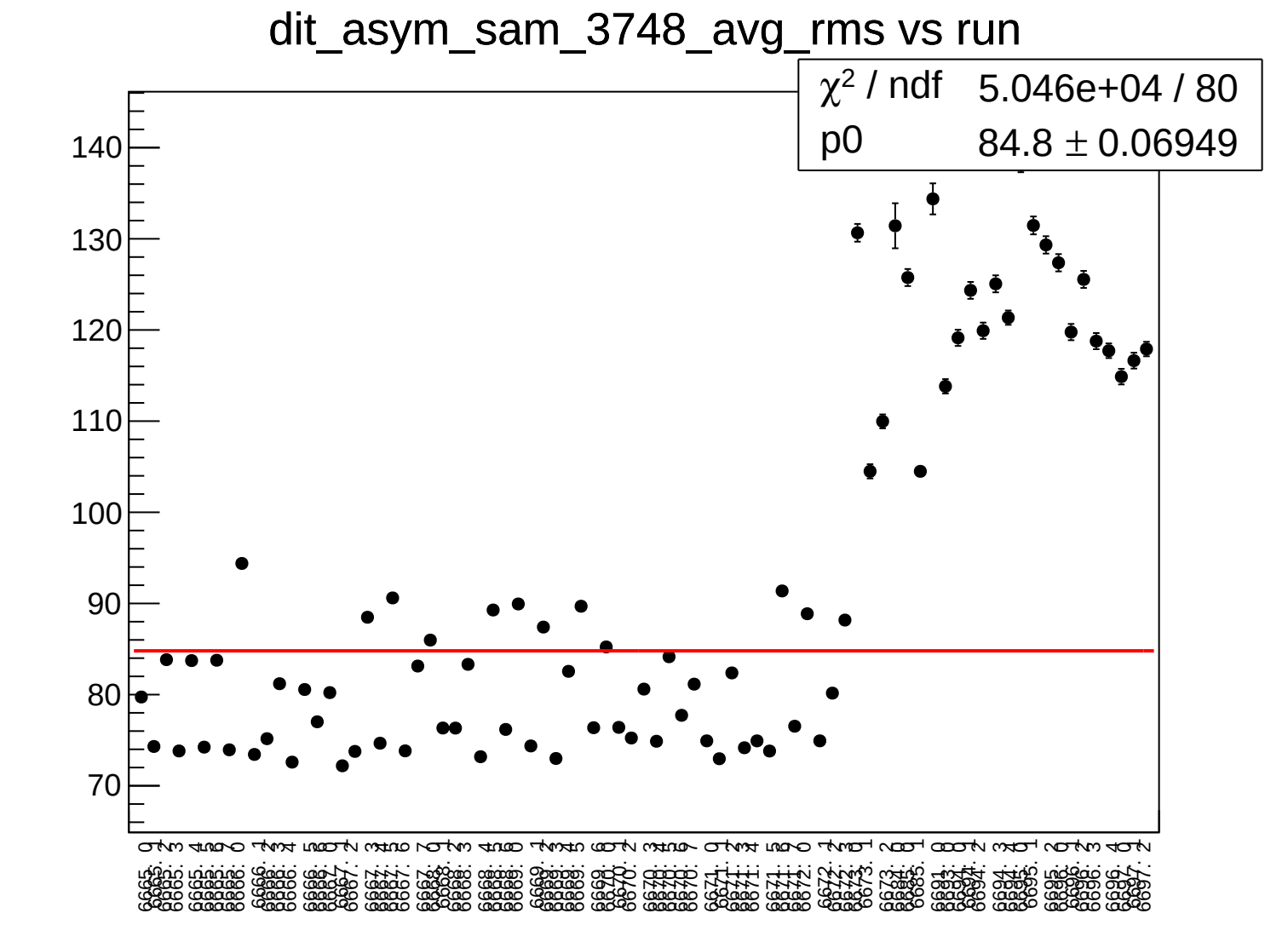

asym_sam_1548_avg_mean vs run
χ² / ndf 81.4 / 80
p0 606.1 ± 621.1
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 146.7
Std Dev 68.67
3
2
1
0
−1
−2

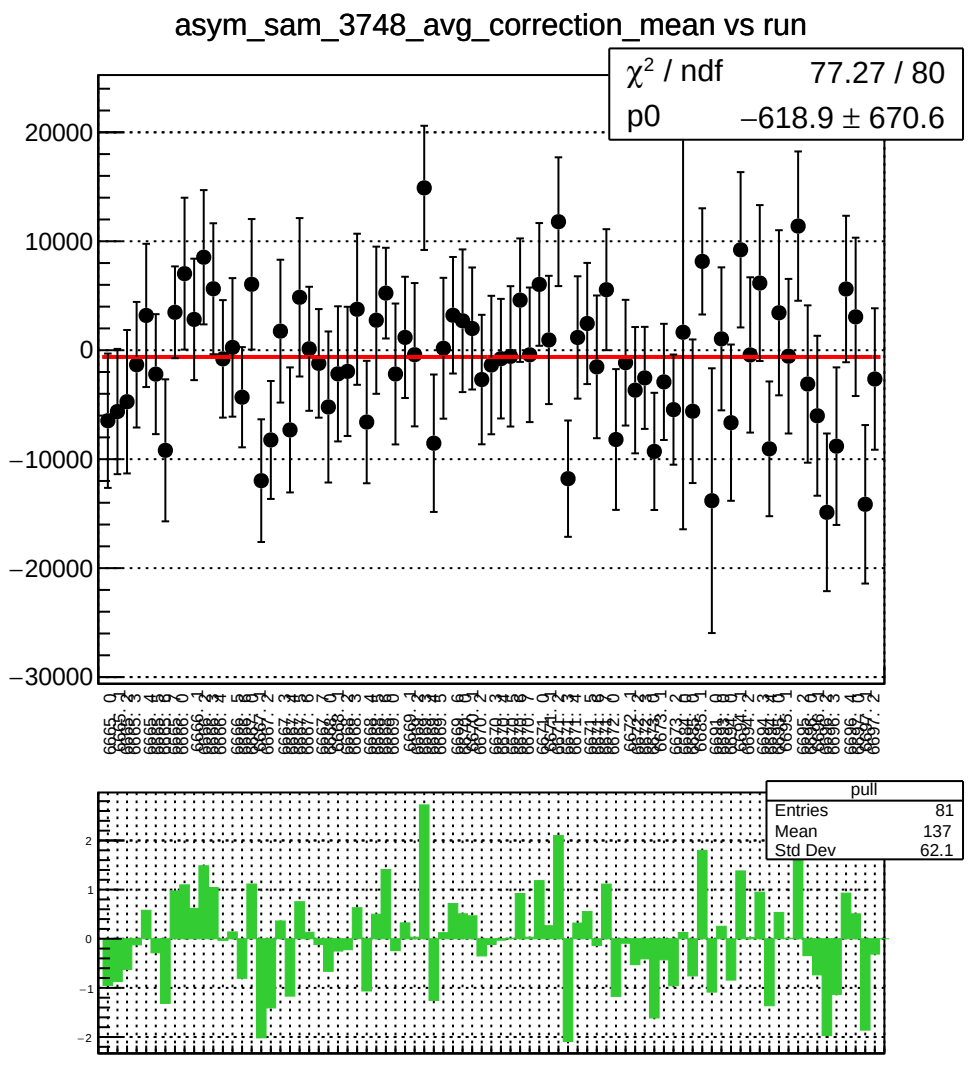

pull1D
Entries 81
Mean 0.01386
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

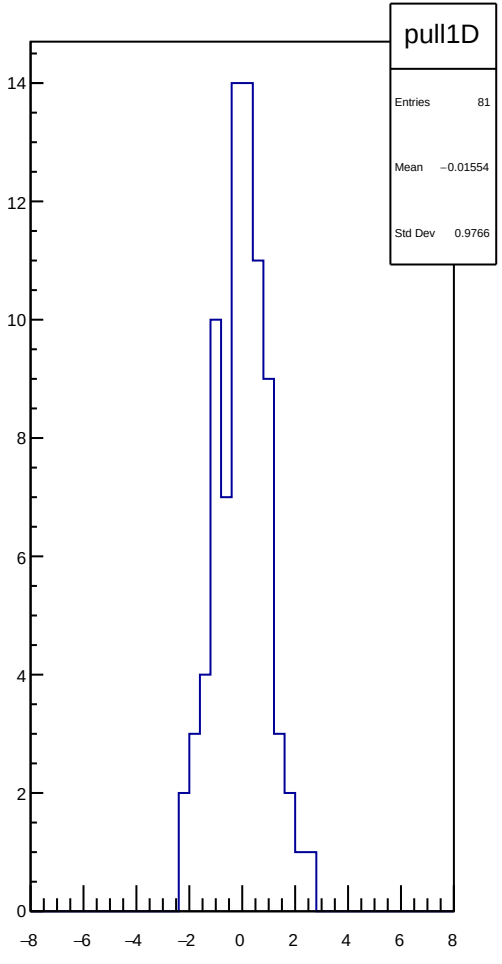

asym_sam_1548_avg_rms vs run
χ² / ndf 1.273e+04 / 80
p0 542.8 ± 0.4392
650
600
550
500
450

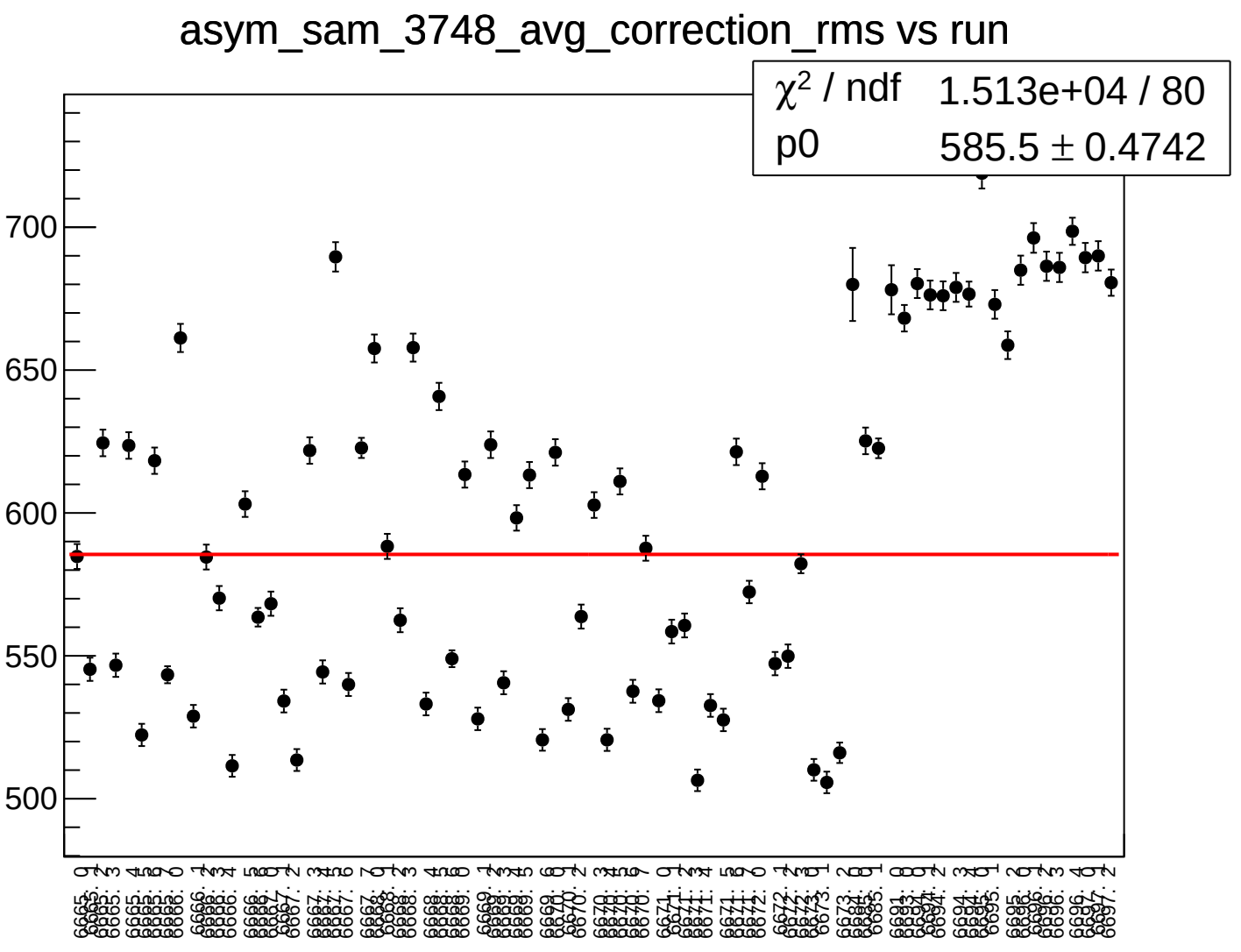

dit_asym_sam_3748_avg_mean vs run
$\chi^2$ / ndf 100.8 / 80
p0 170.7 ± 98.27
pull
Entries 81
Mean 73.32
Std Dev 44.22

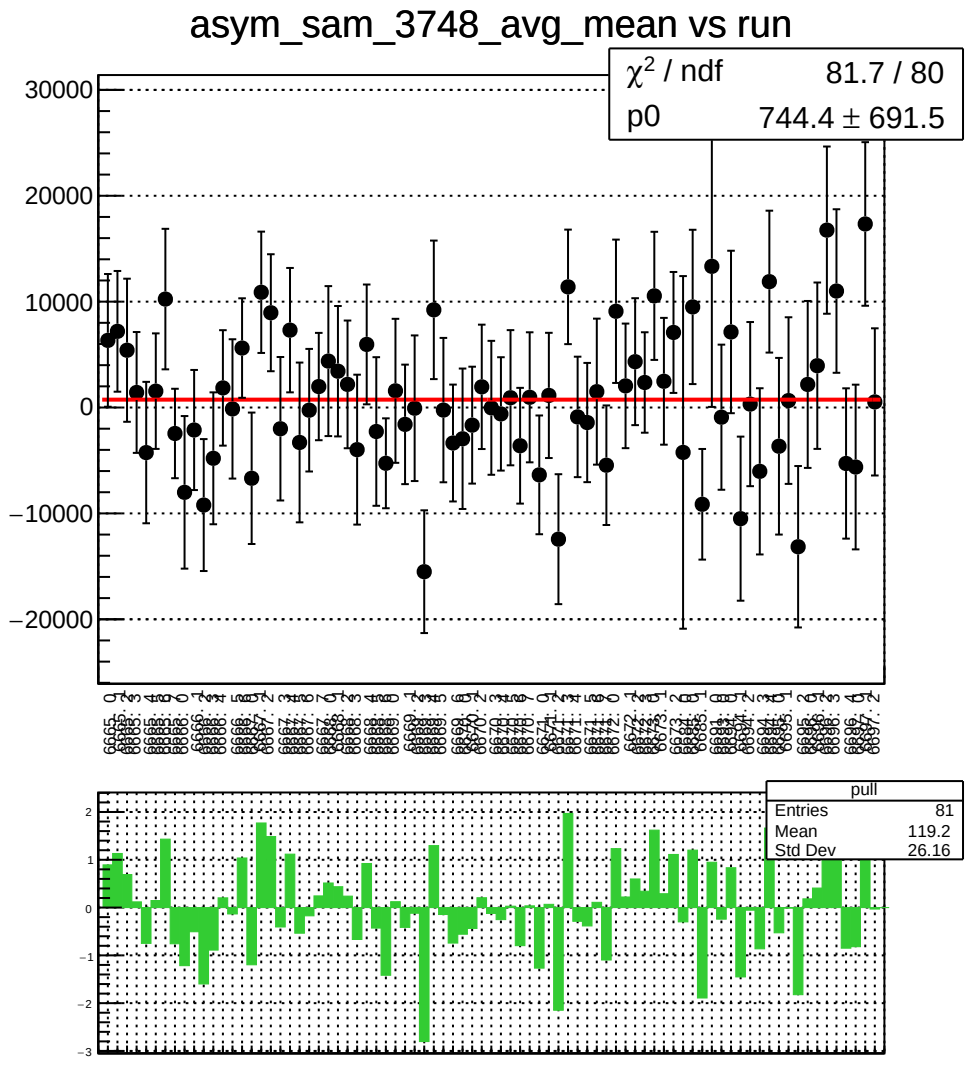

pull1D
Entries 81
Mean −0.01814
Std Dev 1.115

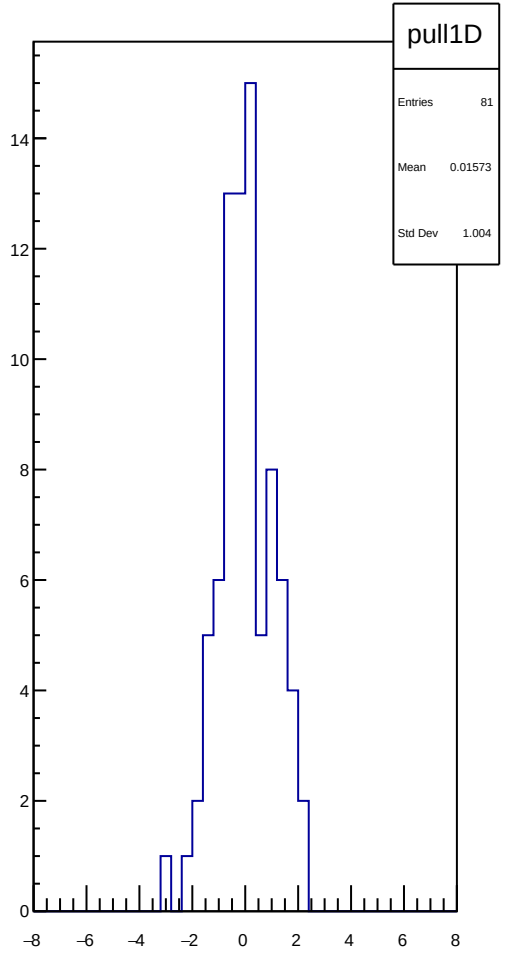

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 5.046e+04 / 80
p0 84.8 ± 0.06949
140
130
120
110
100
90
80
70

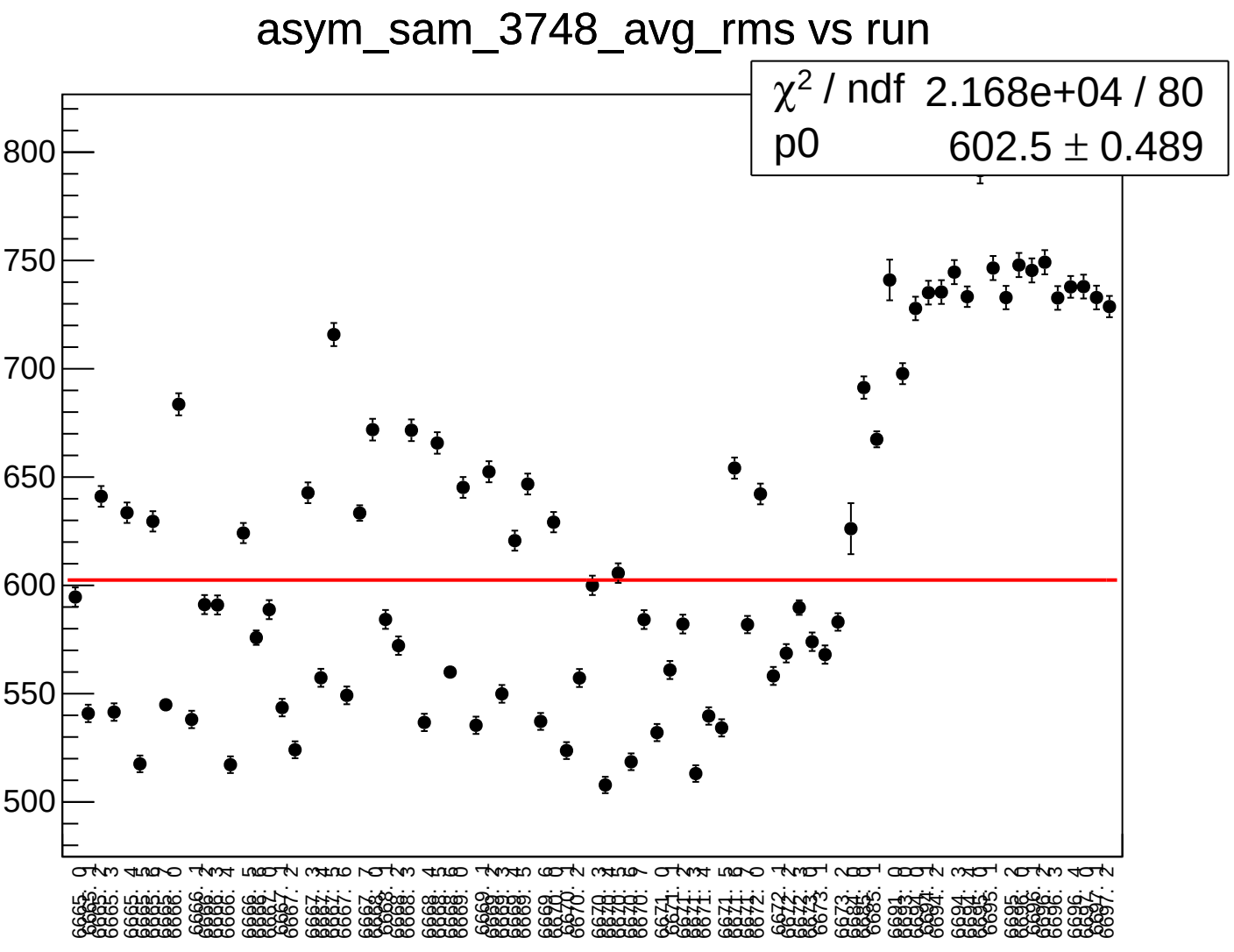

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 77.27 / 80
p0 −618.9 ± 670.6
pull
Entries 81
Mean 137
Std Dev 62.1

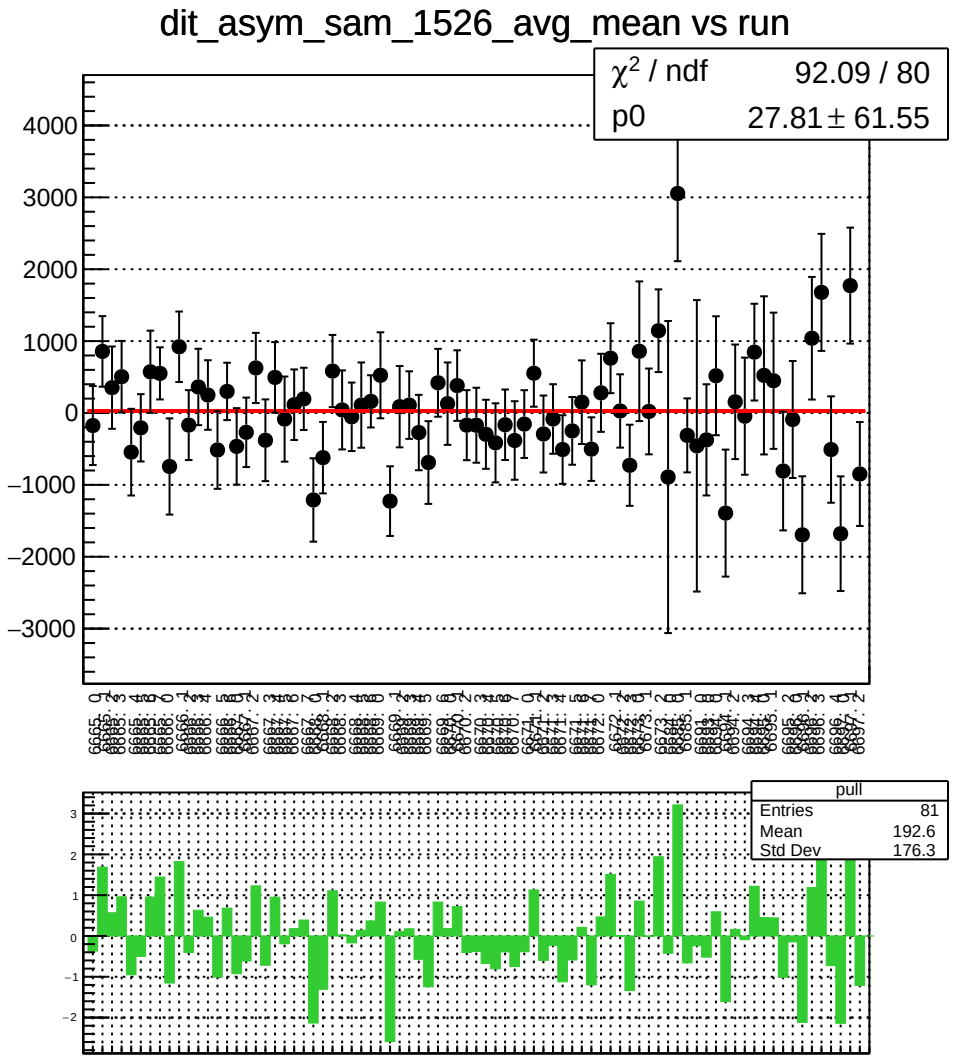

pull1D
Entries 81
Mean −0.01554
Std Dev 0.9766

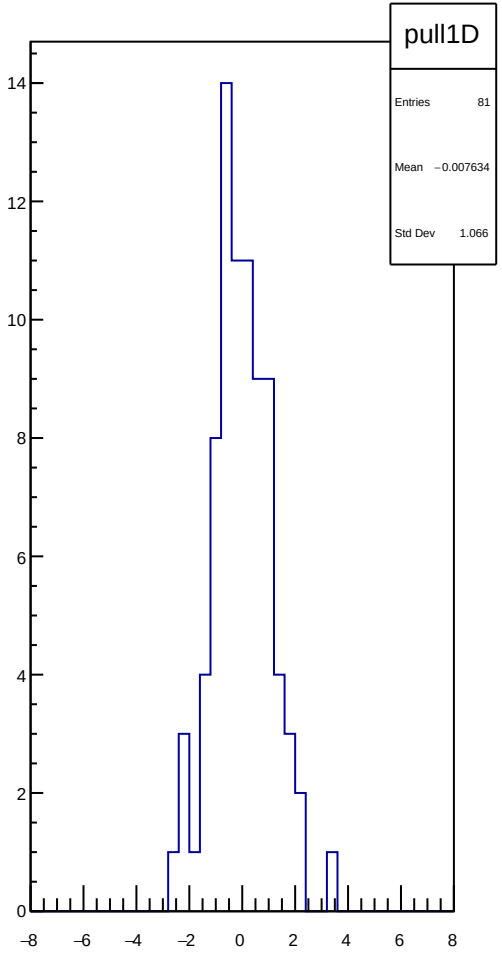

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1.513e+04 / 80
p0 585.5 ± 0.4742
700
650
600
550
500

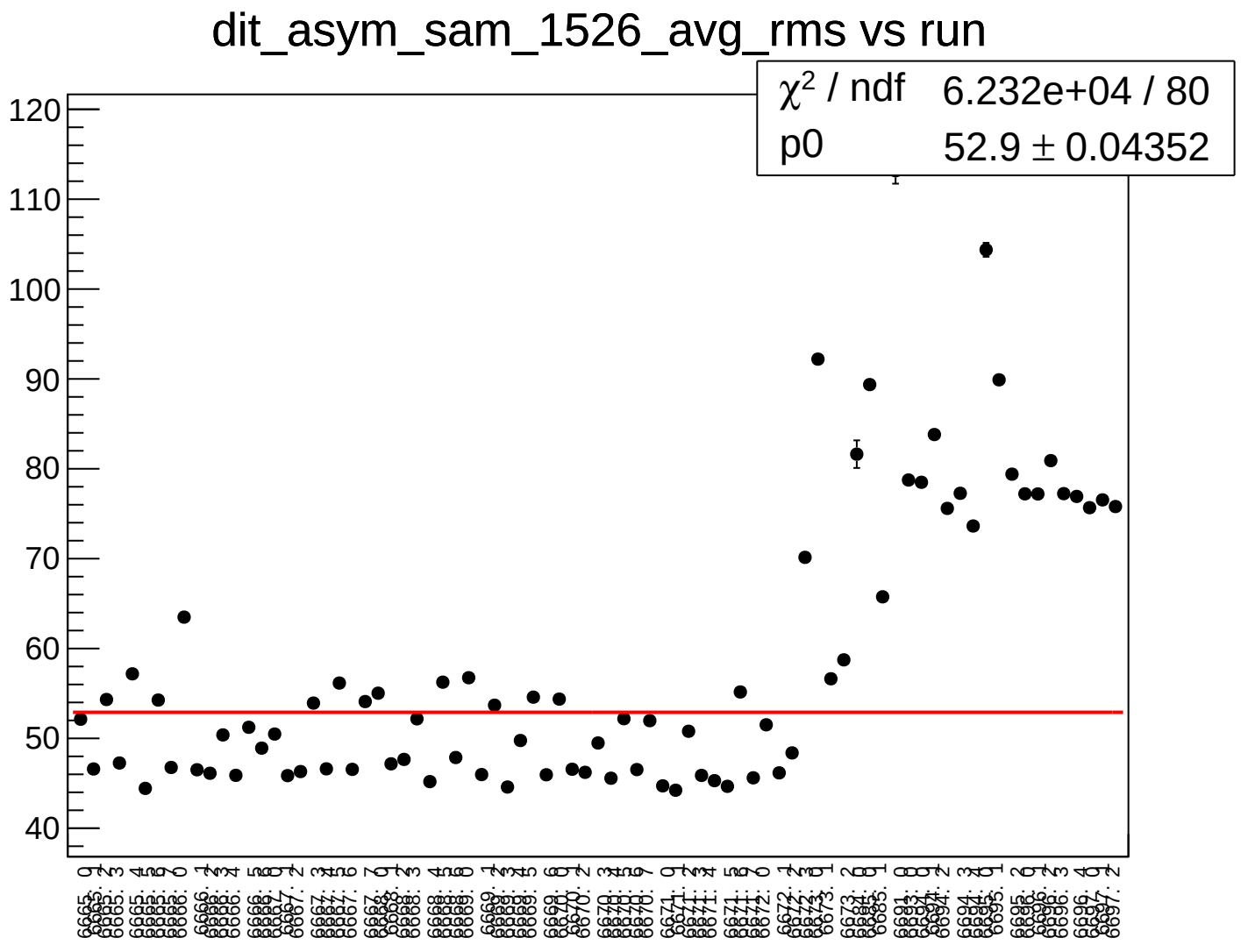

asym_sam_3748_avg_mean vs run
χ² / ndf 81.7 / 80
p0 744.4 ± 691.5
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 119.2
Std Dev 26.16
2
1
0
−1
−2
−3

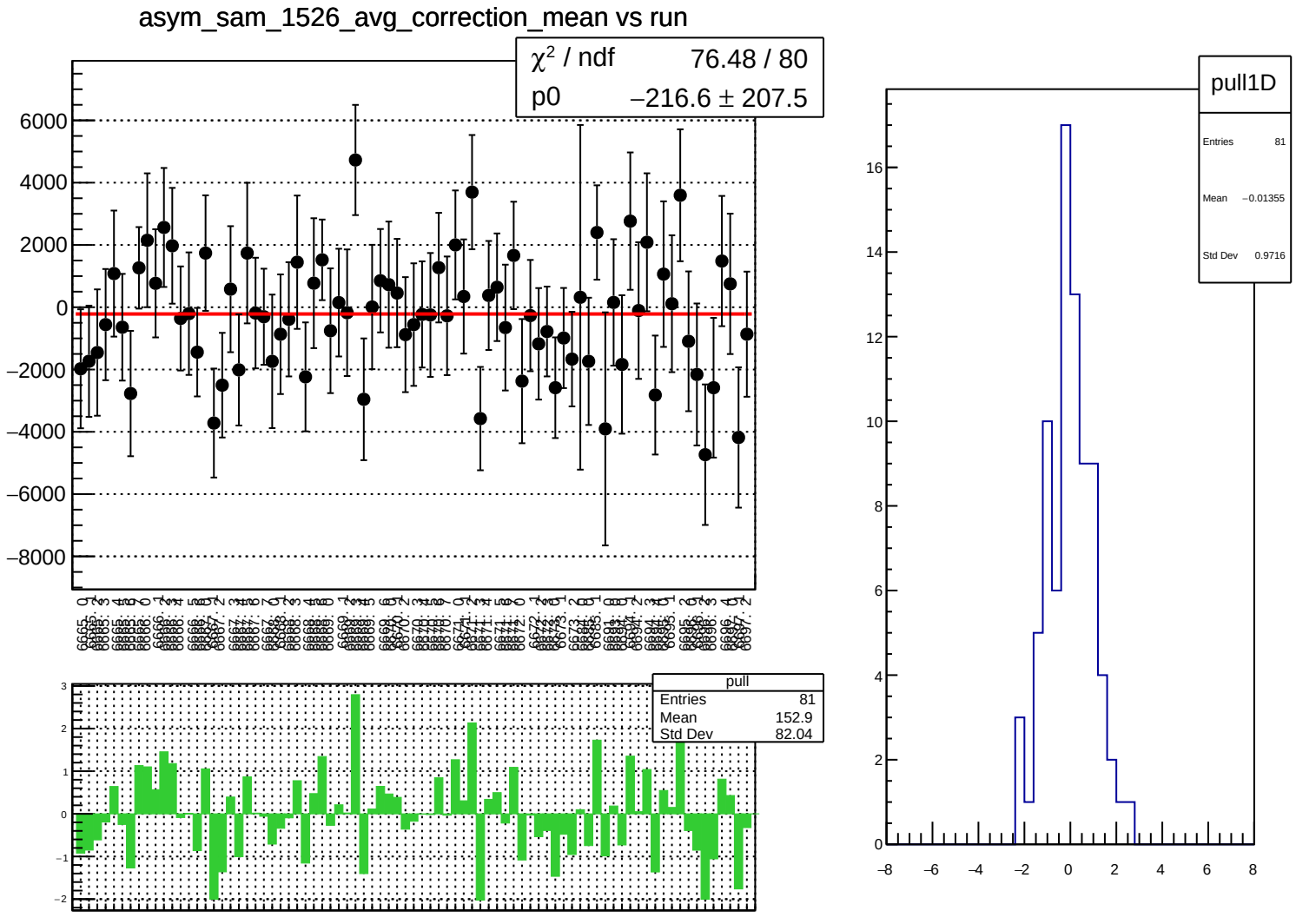

pull1D
Entries 81
Mean 0.01573
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

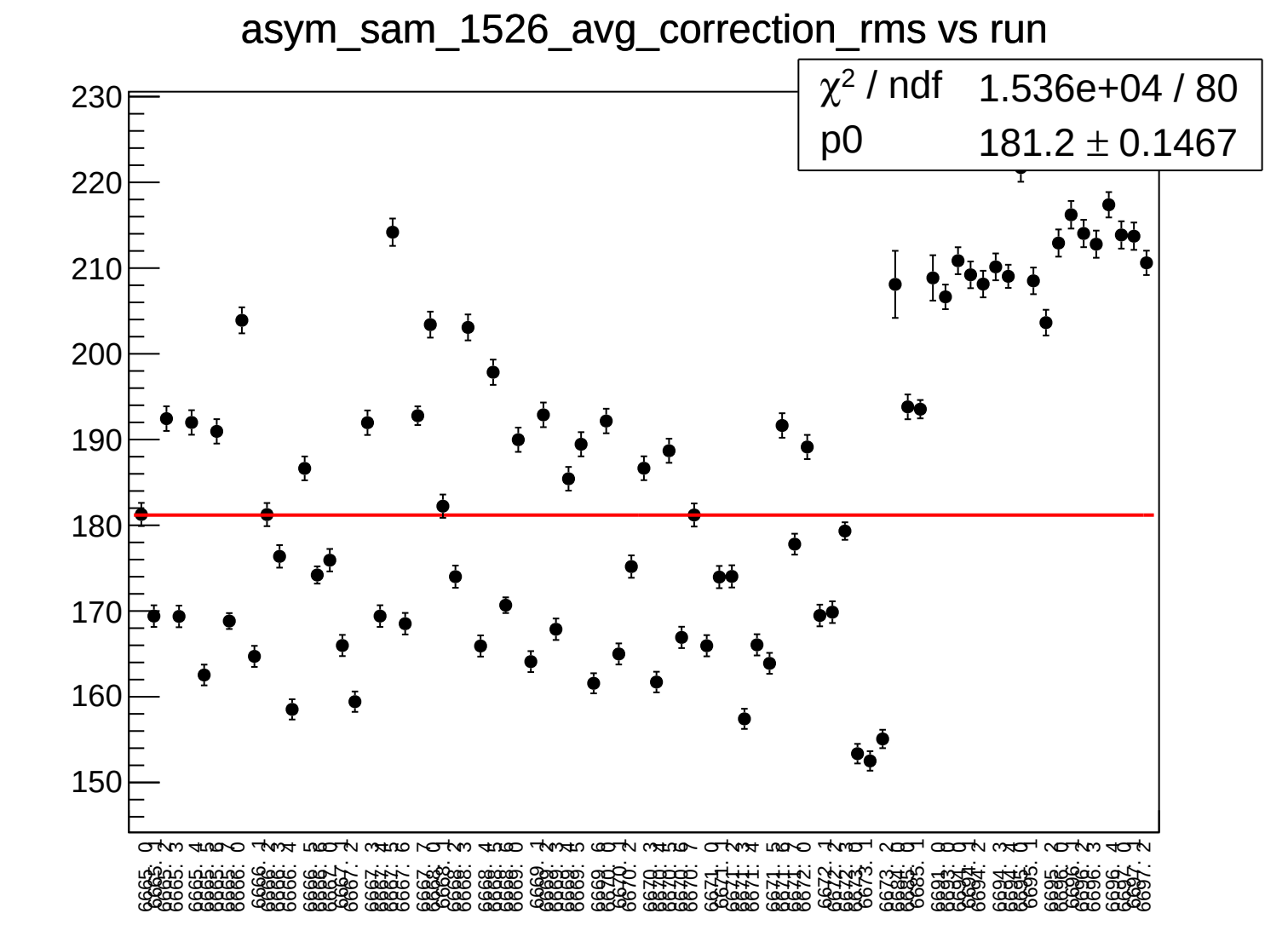

asym_sam_3748_avg_rms vs run
χ² / ndf 2.168e+04 / 80
p0 602.5 ± 0.489
800
750
700
650
600
550
500

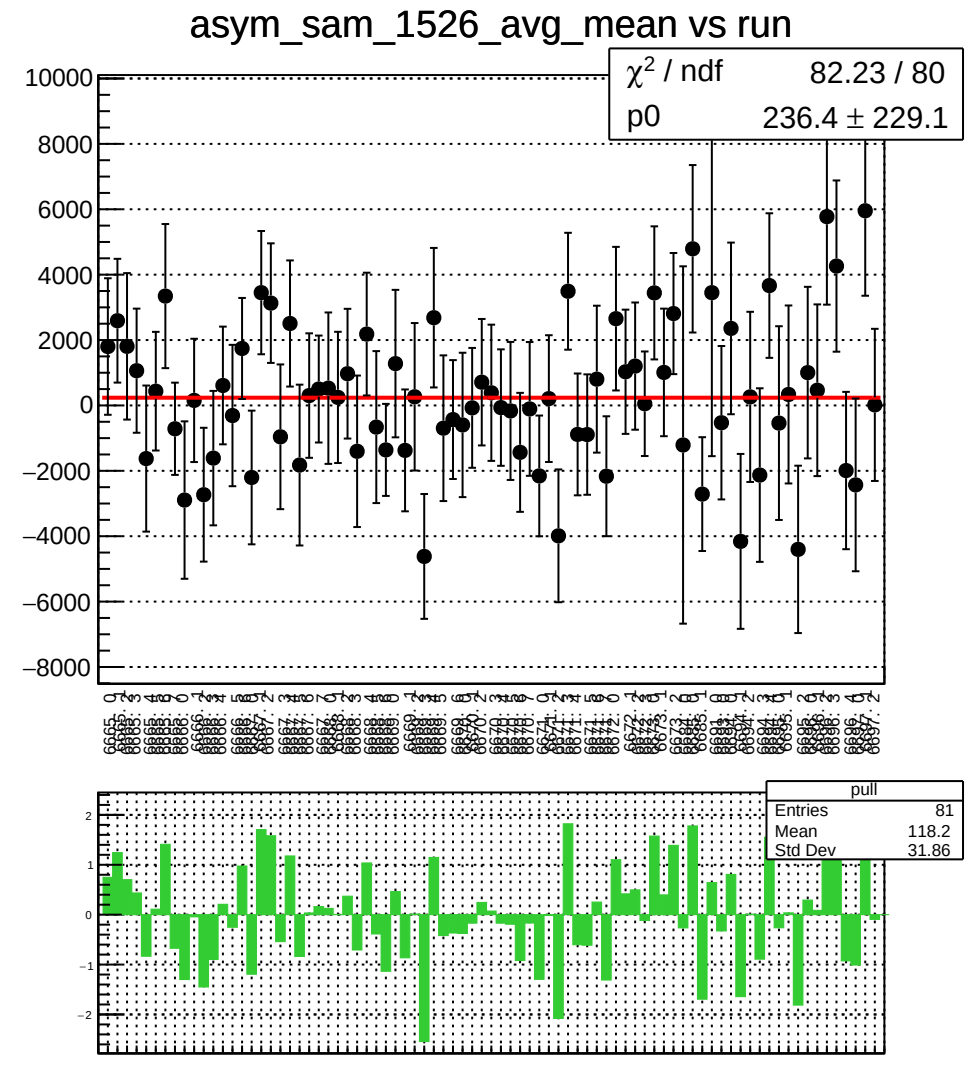

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 92.09 / 80
p0 27.81 ± 61.55
pull
Entries 81
Mean 192.6
Std Dev 176.3

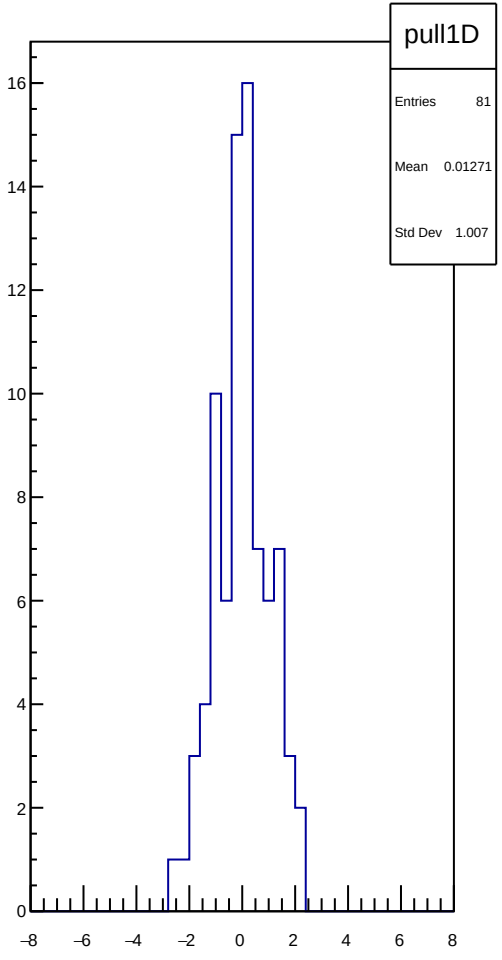

pull1D
Entries 81
Mean −0.007634
Std Dev 1.066

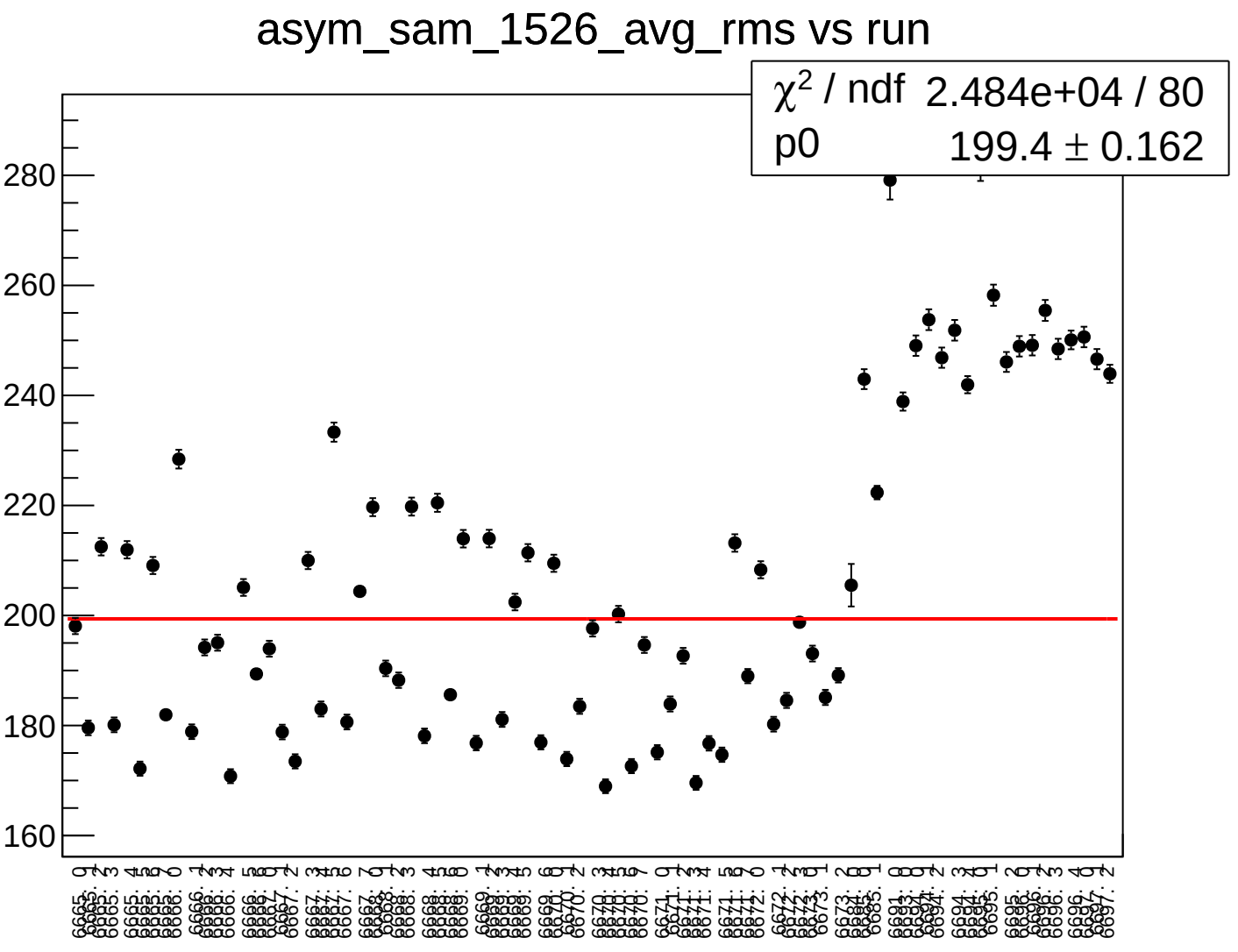

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 6.232e+04 / 80
p0 52.9 ± 0.04352
120
110
100
90
80
70
60
50
40

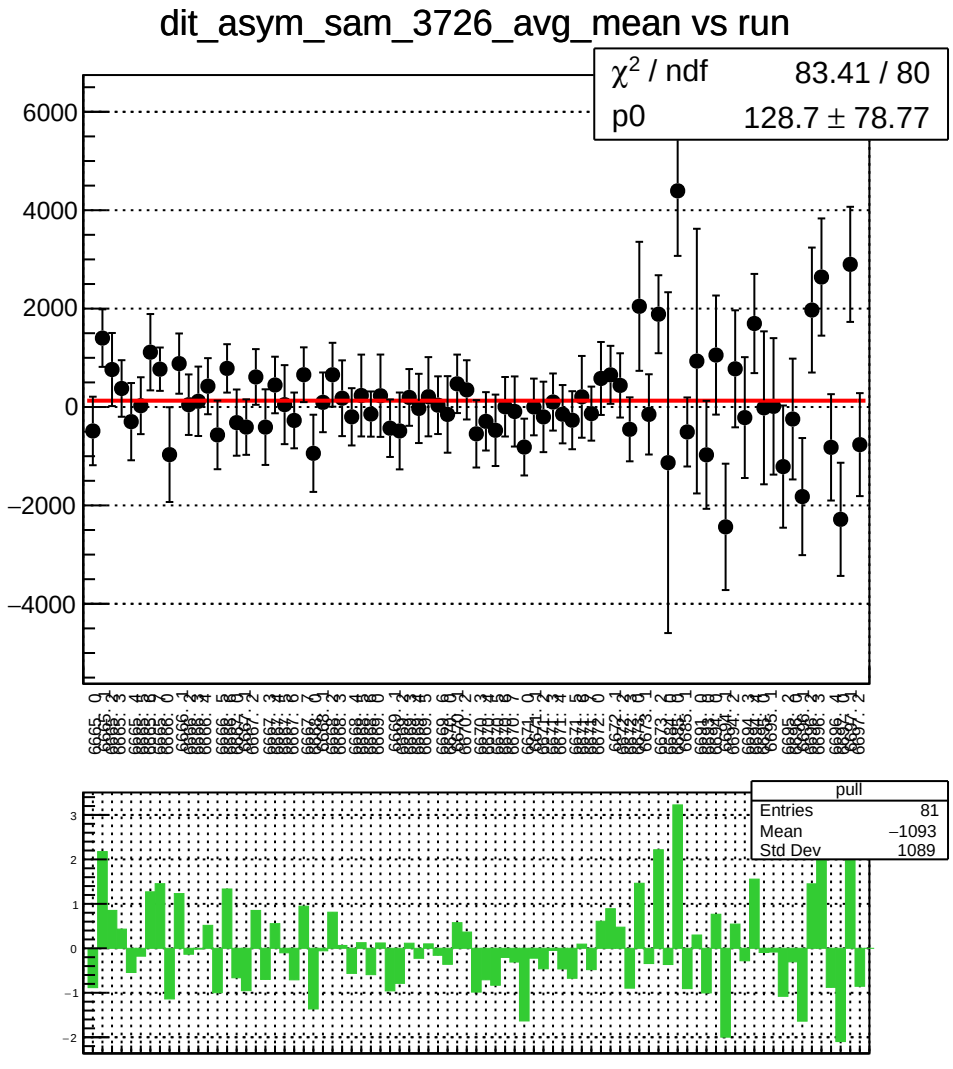

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 76.48 / 80
p0 −216.6 ± 207.5
pull
Entries 81
Mean 152.9
Std Dev 82.04
pull1D
Entries 81
Mean −0.01355
Std Dev 0.9716

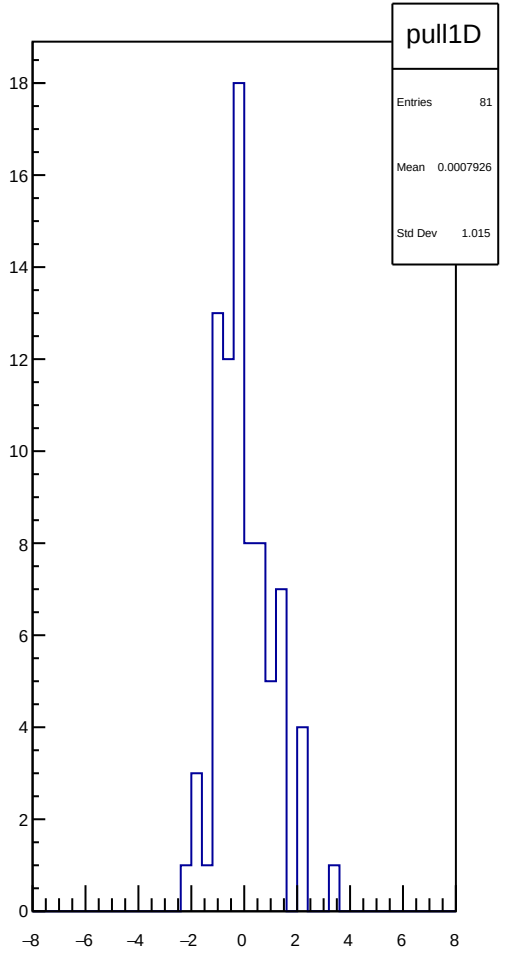

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1.536e+04 / 80
p0 181.2 ± 0.1467
230
220
210
200
190
180
170
160
150

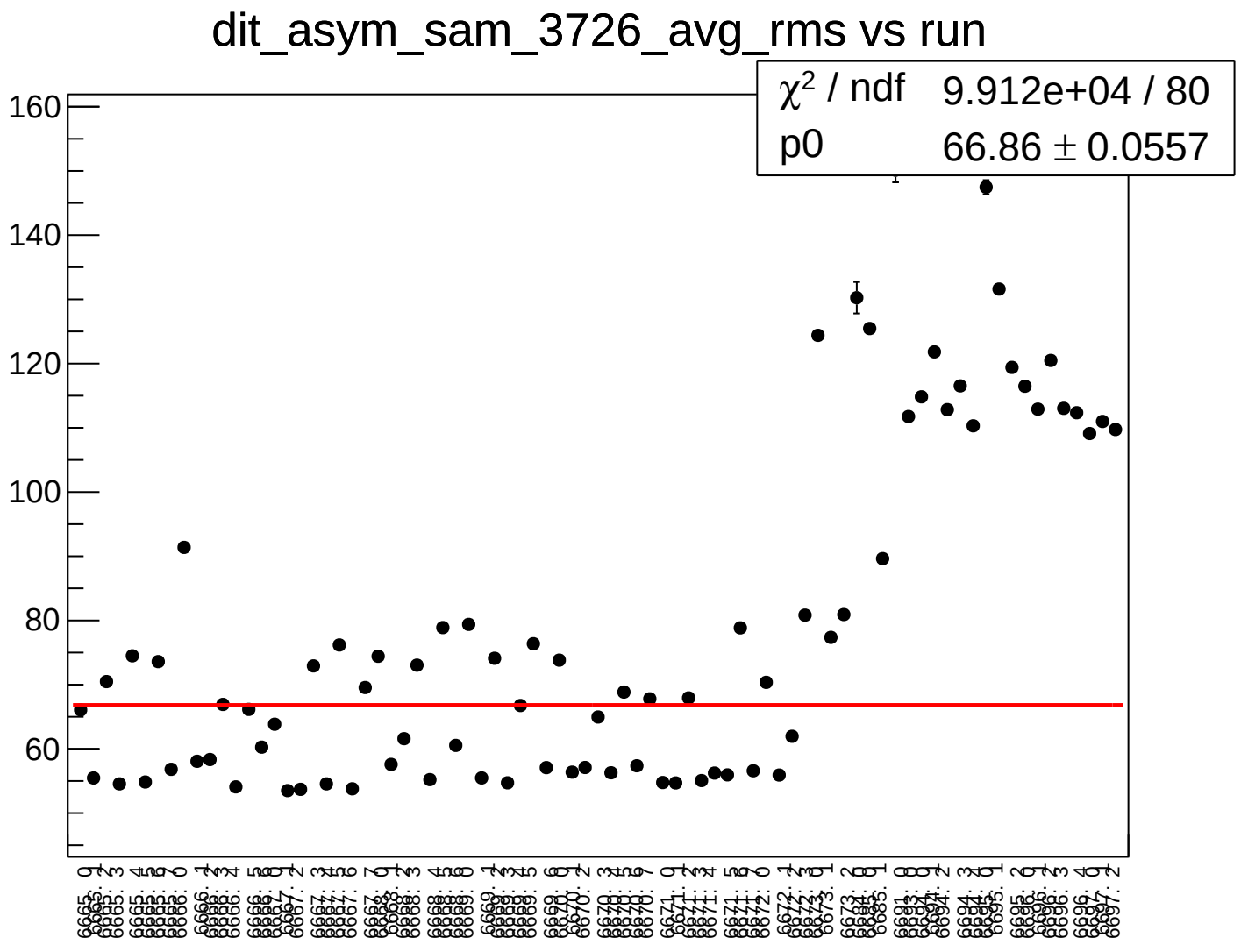

asym_sam_1526_avg_mean vs run
χ² / ndf 82.23 / 80
p0 236.4 ± 229.1
pull
Entries 81
Mean 118.2
Std Dev 31.86

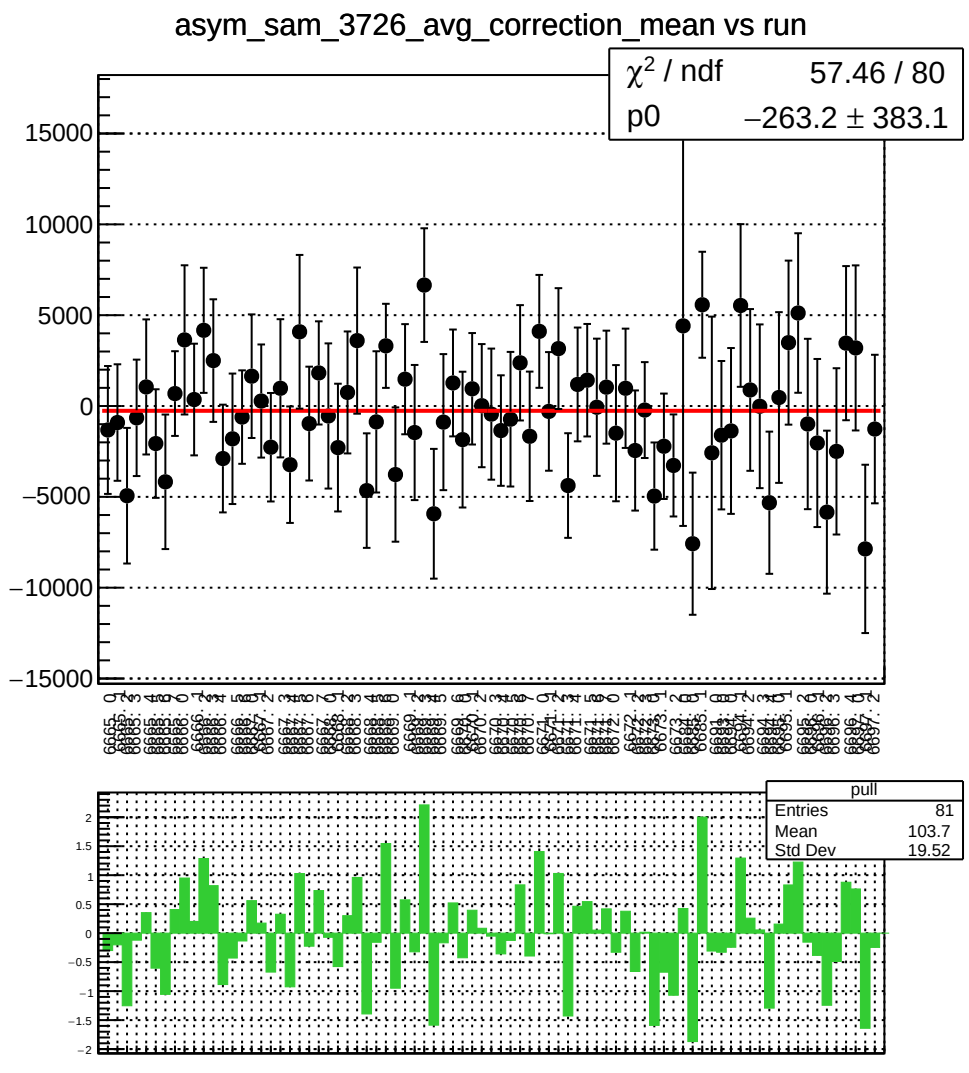

pull1D
Entries 81
Mean 0.01271
Std Dev 1.007

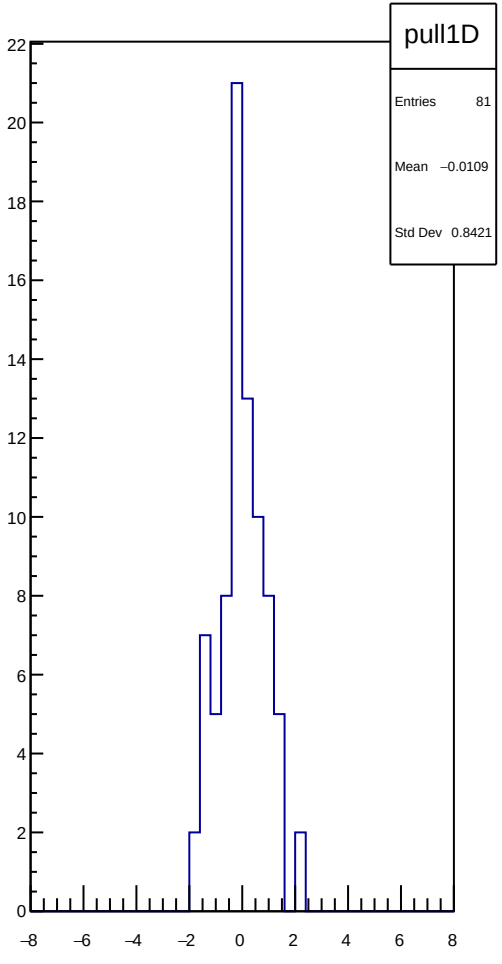

asym_sam_1526_avg_rms vs run
$\chi^2$ / ndf 2.484e+04 / 80
p0 199.4 ± 0.162
280
260
240
220
200
180
160

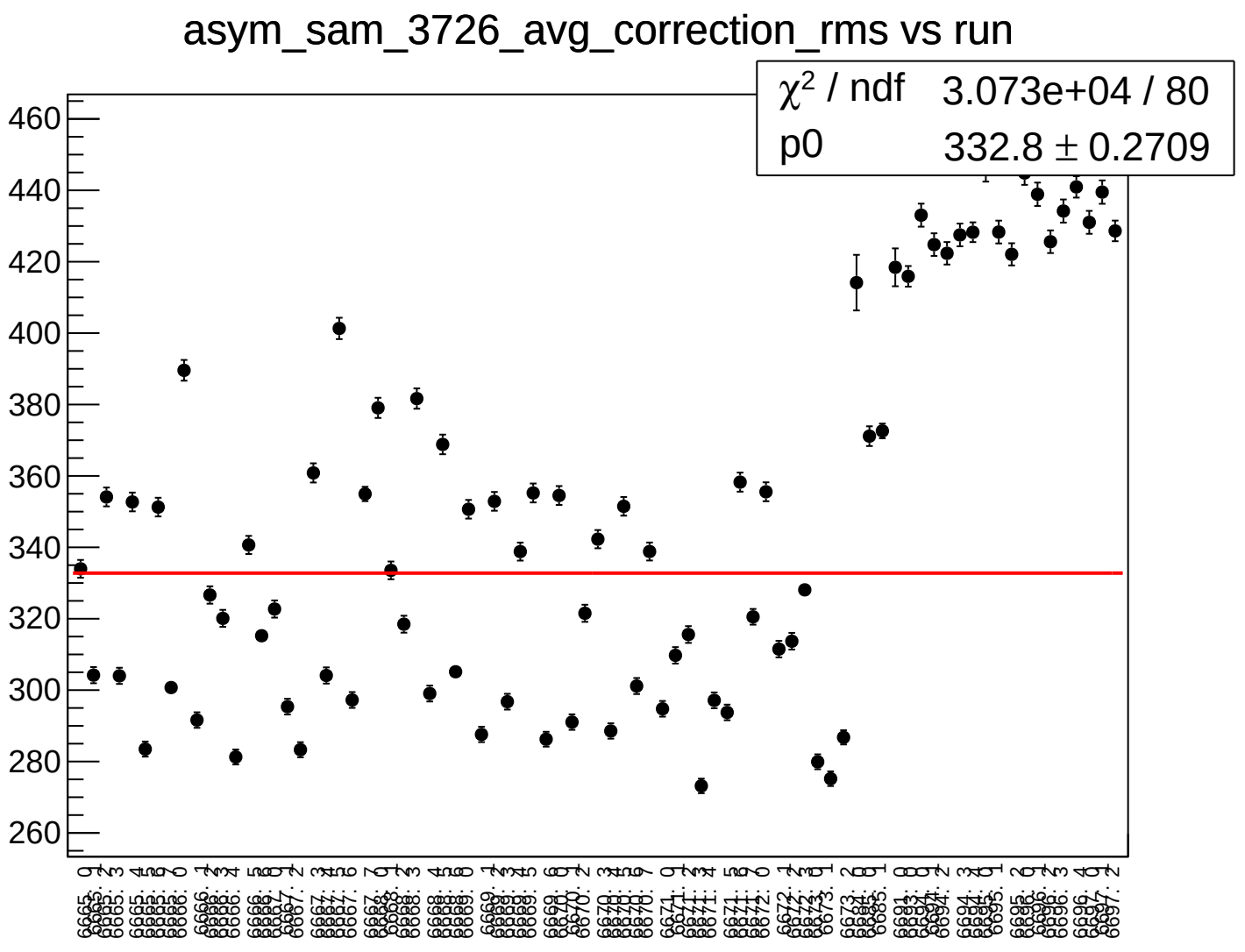

dit_asym_sam_3726_avg_mean vs run
$\chi^2$ / ndf 83.41 / 80
p0 128.7 ± 78.77
6000
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −1093
Std Dev 1089
3
2
1
0
−1
−2

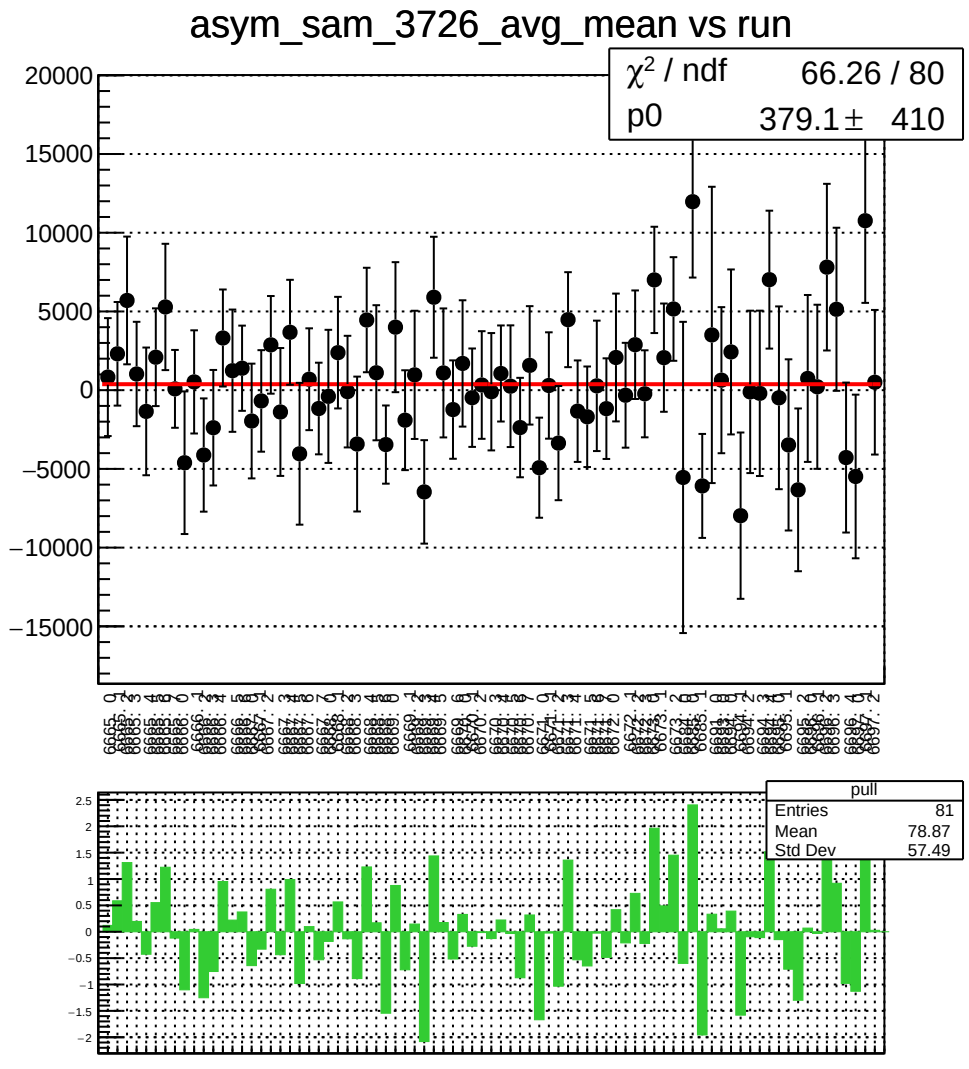

pull1D
Entries 81
Mean 0.0007926
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

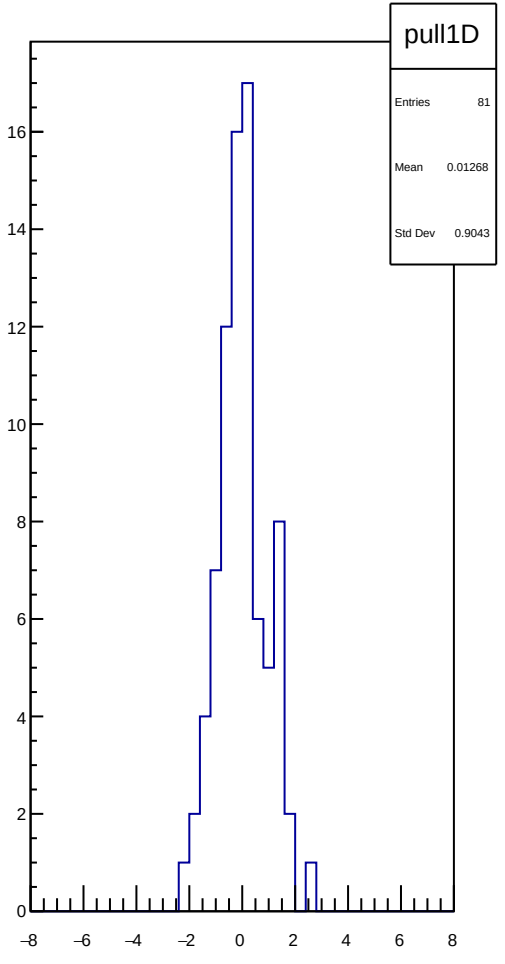

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 9.912e+04 / 80
p0 66.86 ± 0.0557
160
140
120
100
80
60

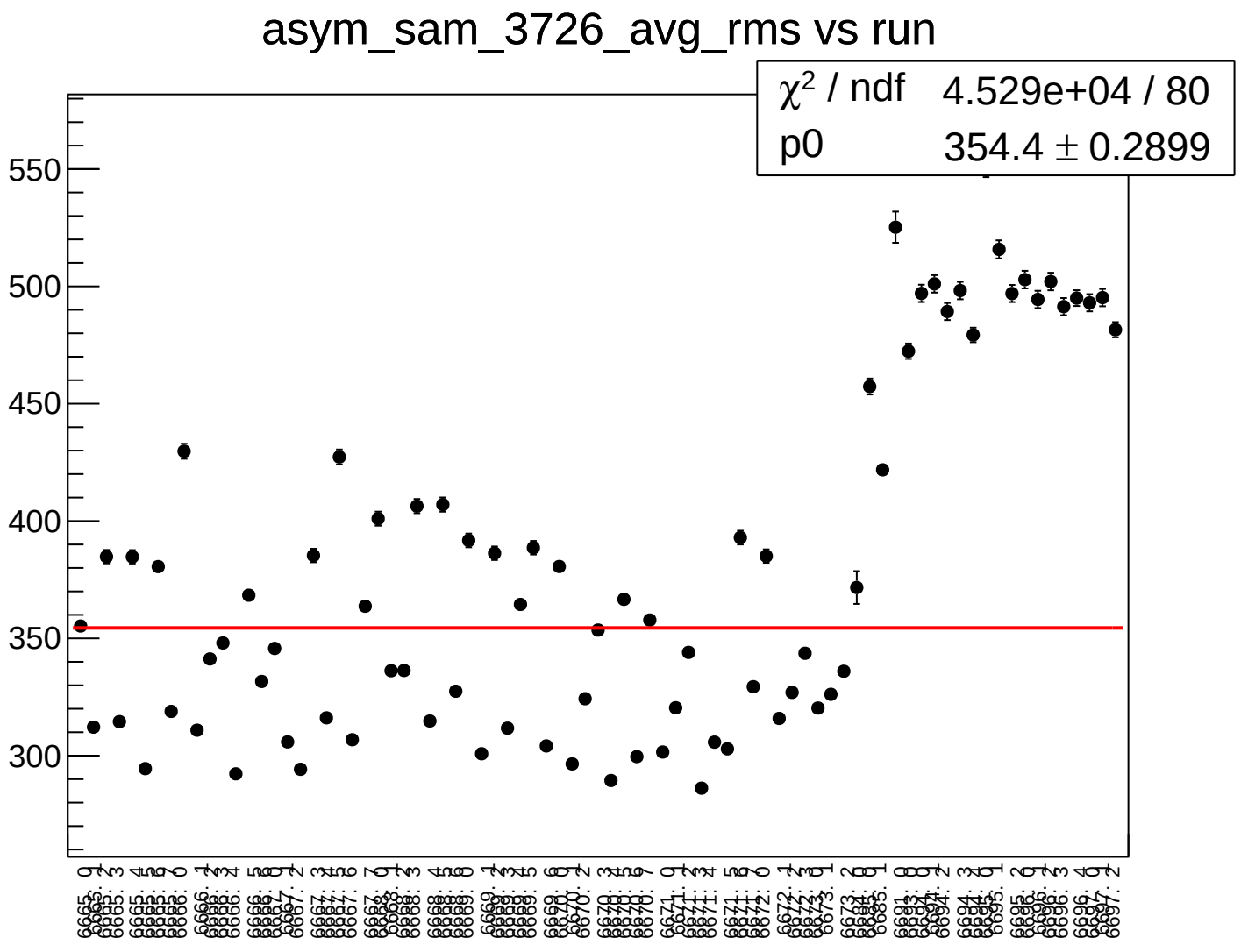

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 57.46 / 80
p0 −263.2 ± 383.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 103.7
Std Dev 19.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

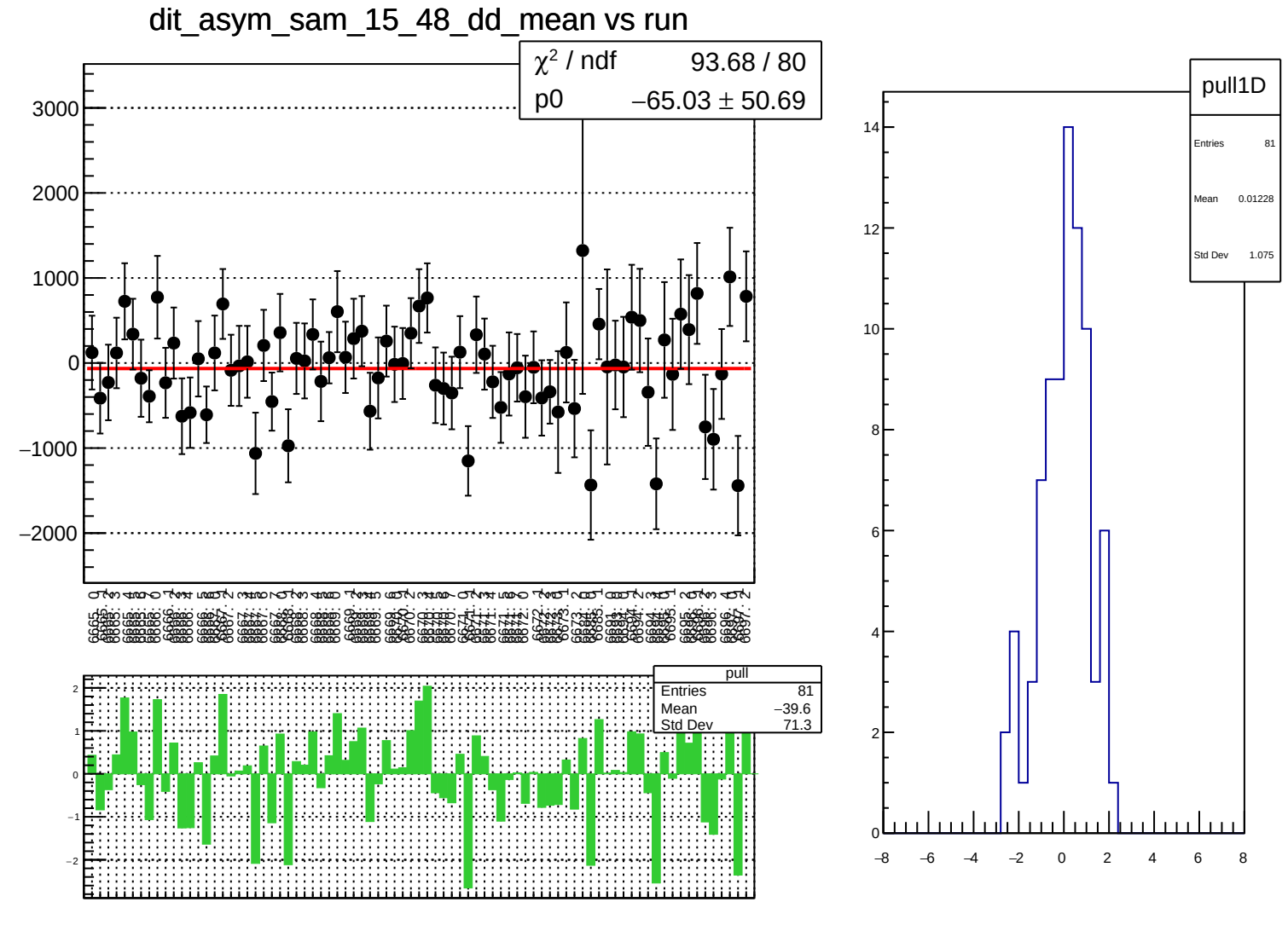

pull1D
Entries 81
Mean −0.0109
Std Dev 0.8421
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

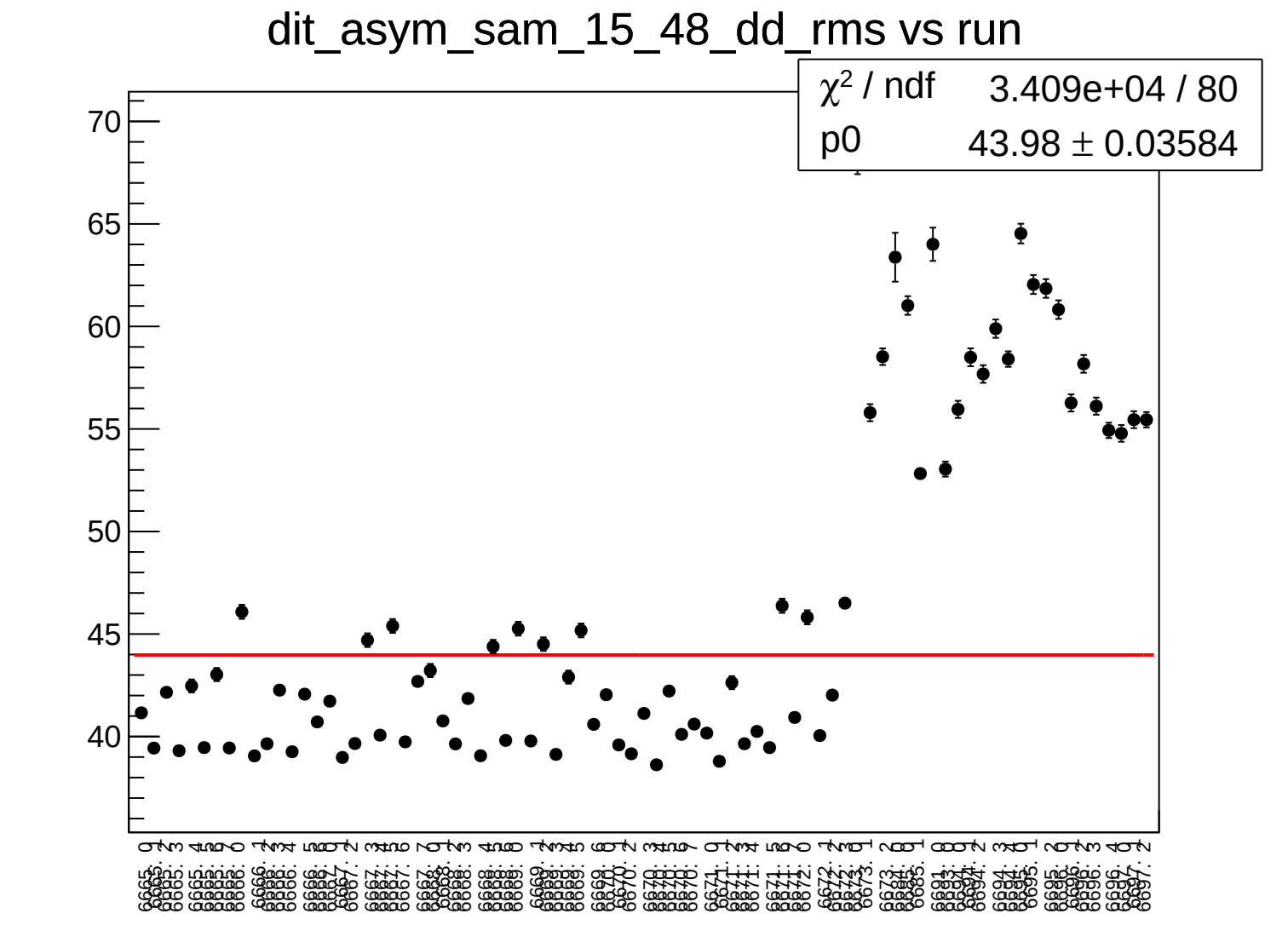

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3.073e+04 / 80
p0 332.8 ± 0.2709
460
440
420
400
380
360
340
320
300
280
260

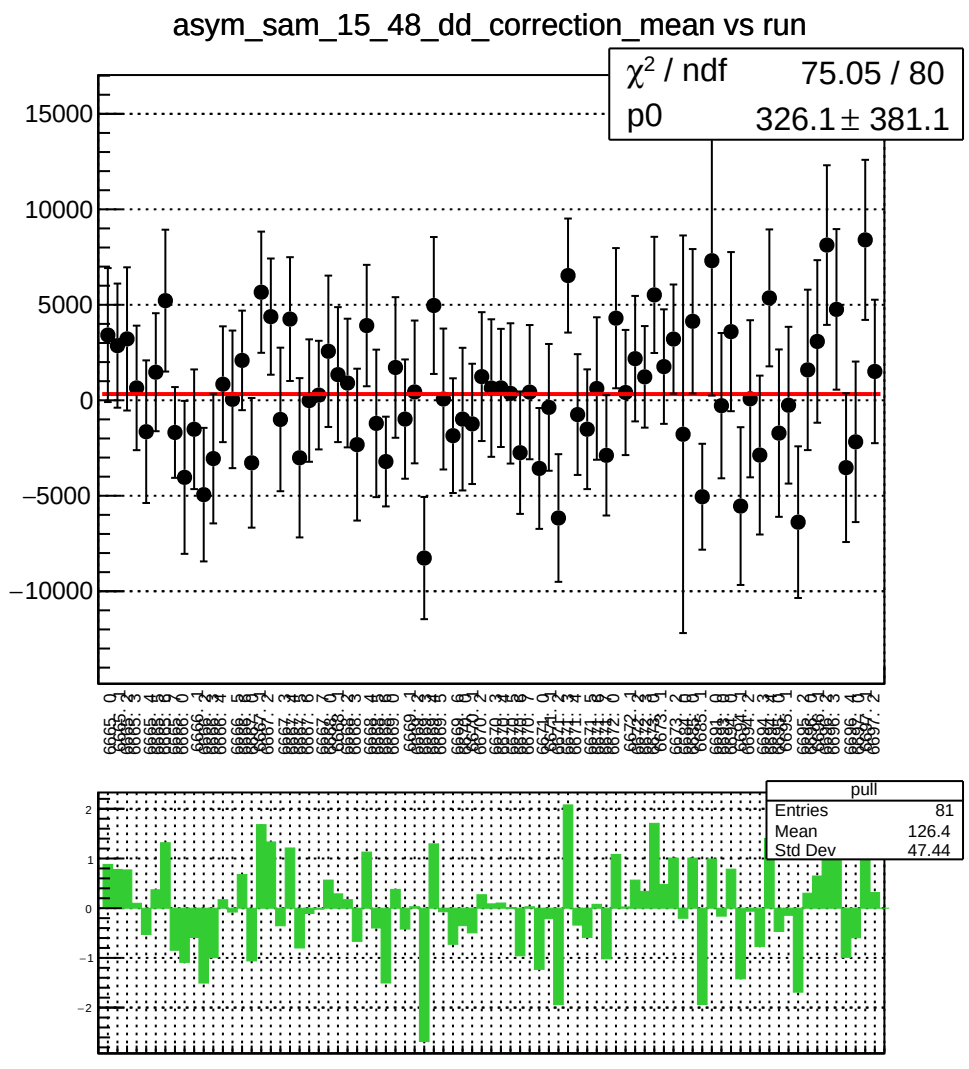

asym_sam_3726_avg_mean vs run
χ² / ndf 66.26 / 80
p0 379.1 ± 410
pull
Entries 81
Mean 78.87
Std Dev 57.49

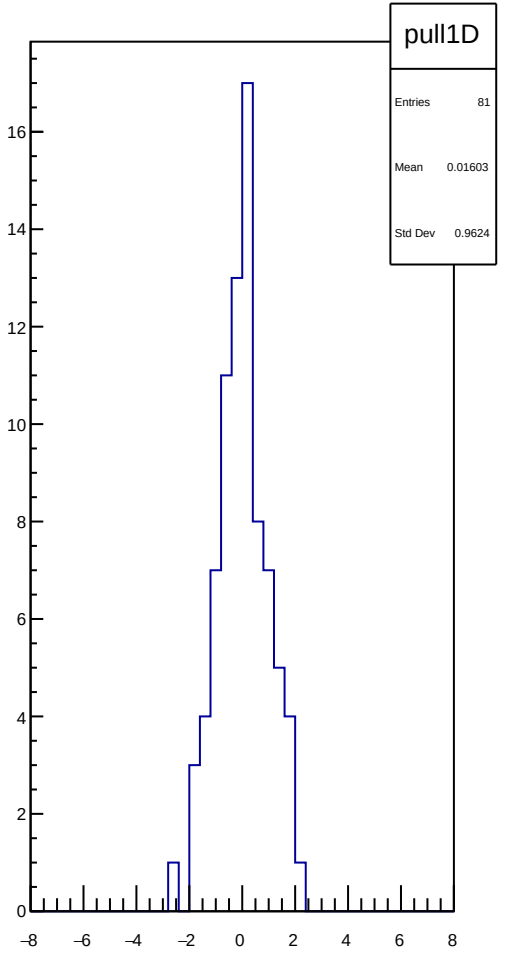

pull1D
Entries 81
Mean 0.01268
Std Dev 0.9043

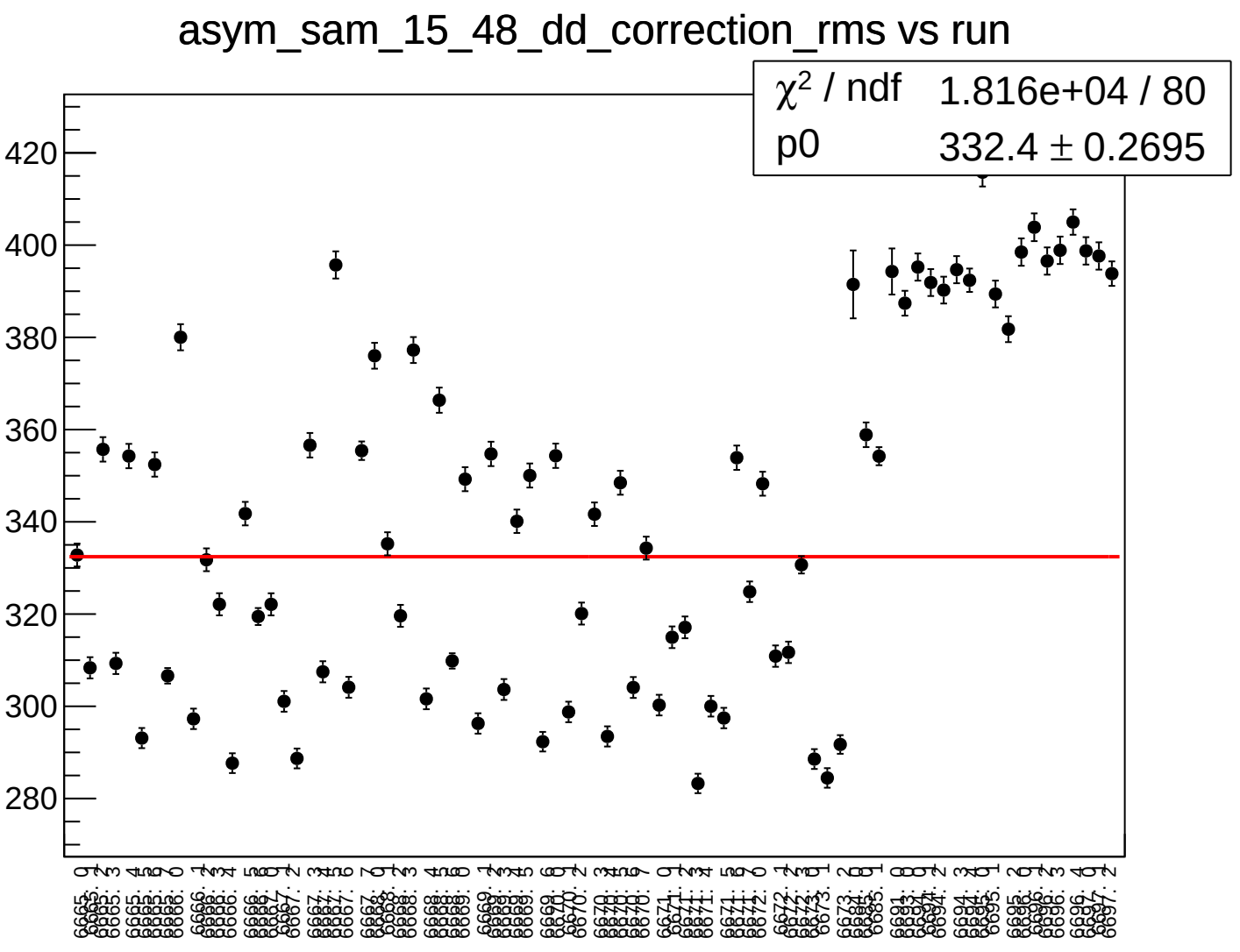

asym_sam_3726_avg_rms vs run
χ² / ndf 4.529e+04 / 80
p0 354.4 ± 0.2899
550
500
450
400
350
300

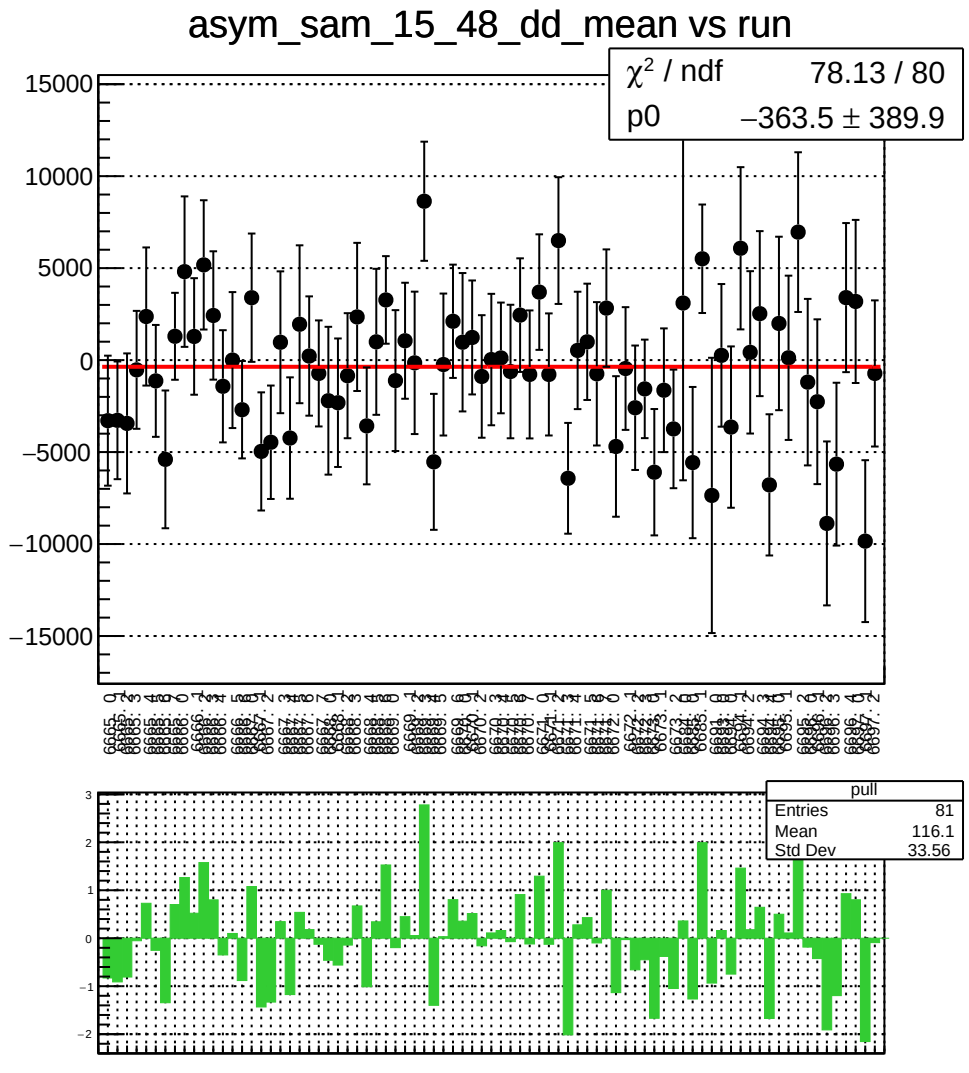

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 93.68 / 80
p0 −65.03 ± 50.69
3000
2000
1000
0
−1000
−2000
pull
Entries 81
Mean −39.6
Std Dev 71.3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01228
Std Dev 1.075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

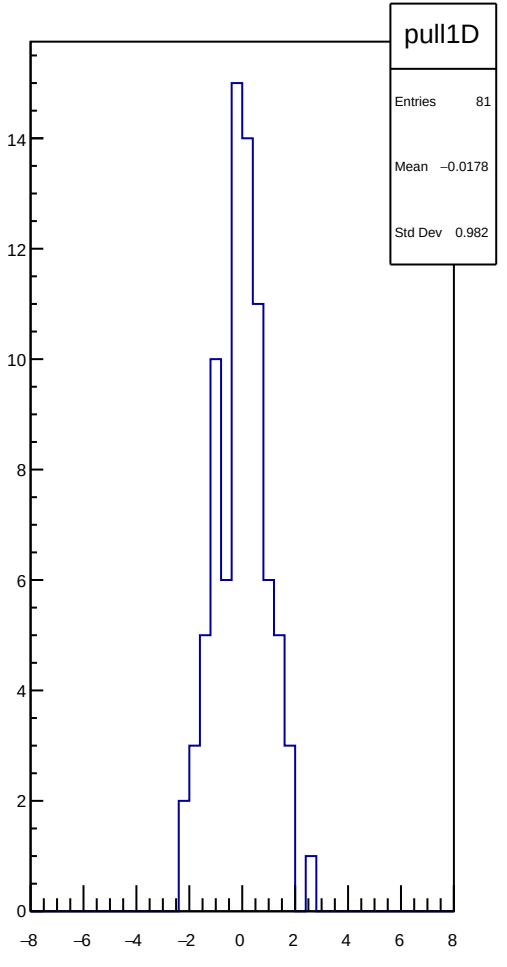

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 3.409e+04 / 80
p0 43.98 ± 0.03584
70
65
60
55
50
45
40

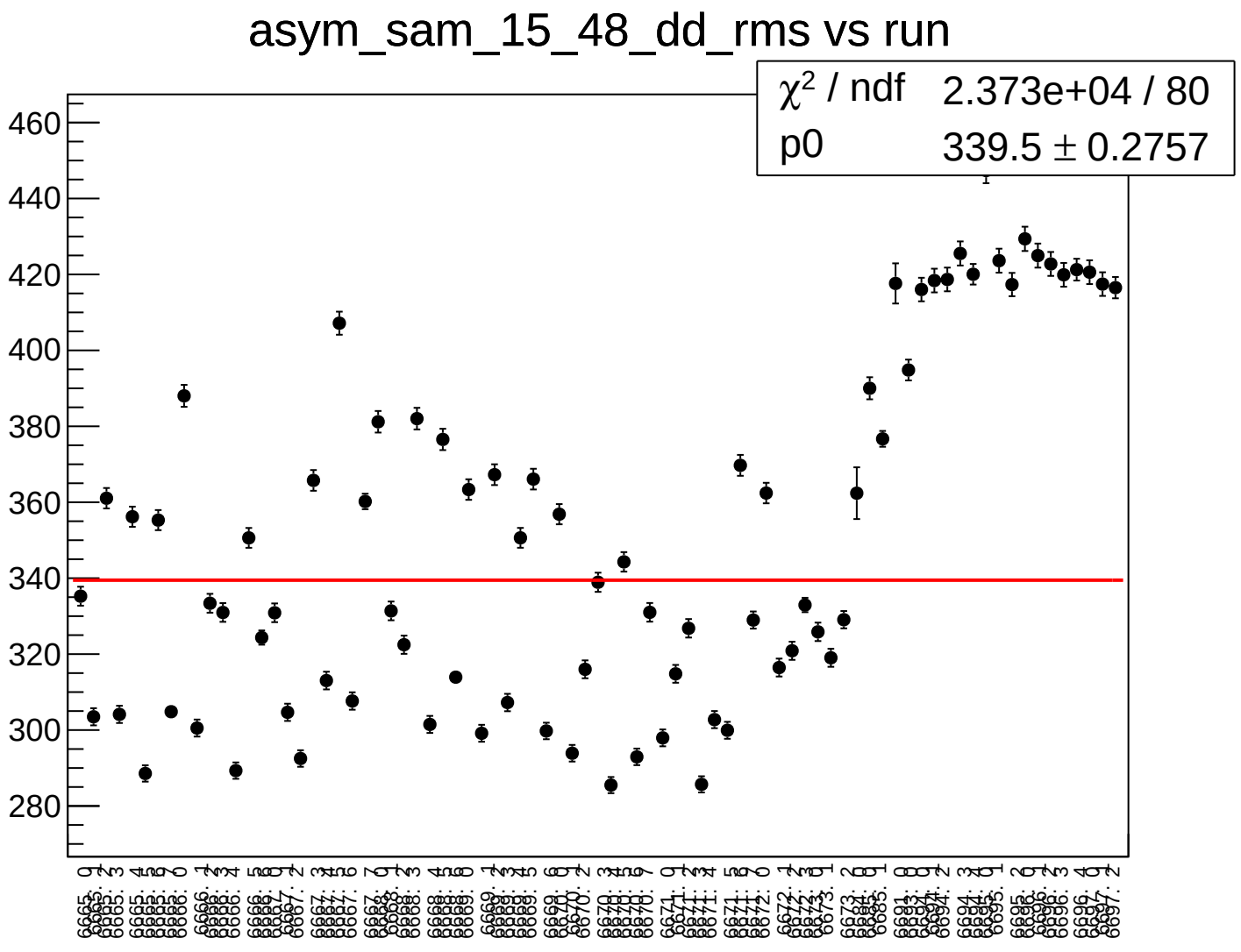

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 75.05 / 80
p0 326.1 ± 381.1
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 126.4
Std Dev 47.44
2
1
0
−1
−2

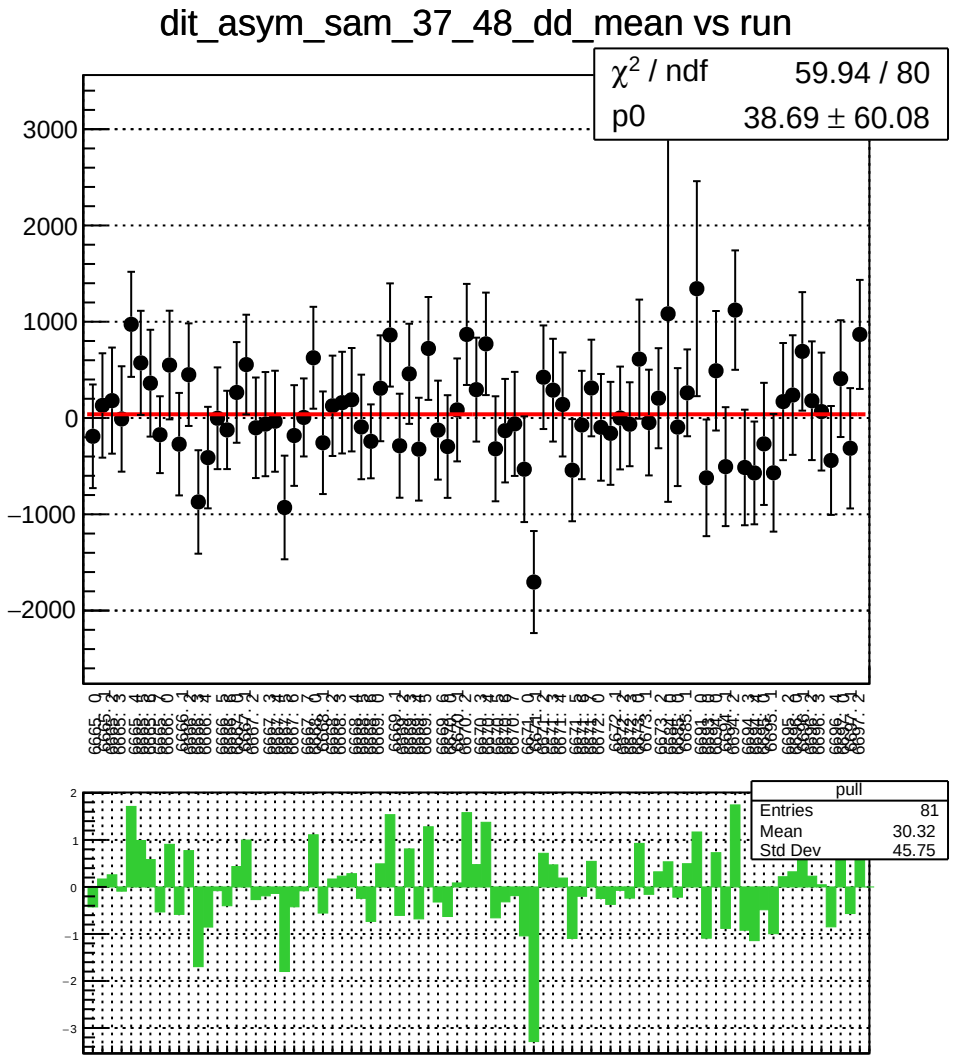

pull1D
Entries 81
Mean 0.01603
Std Dev 0.9624
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

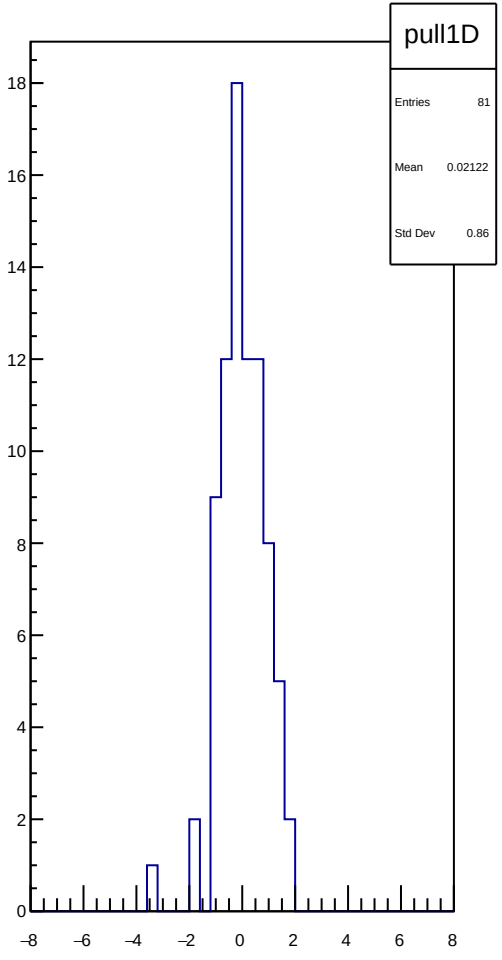

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1.816e+04 / 80
p0 332.4 ± 0.2695
420
400
380
360
340
320
300
280

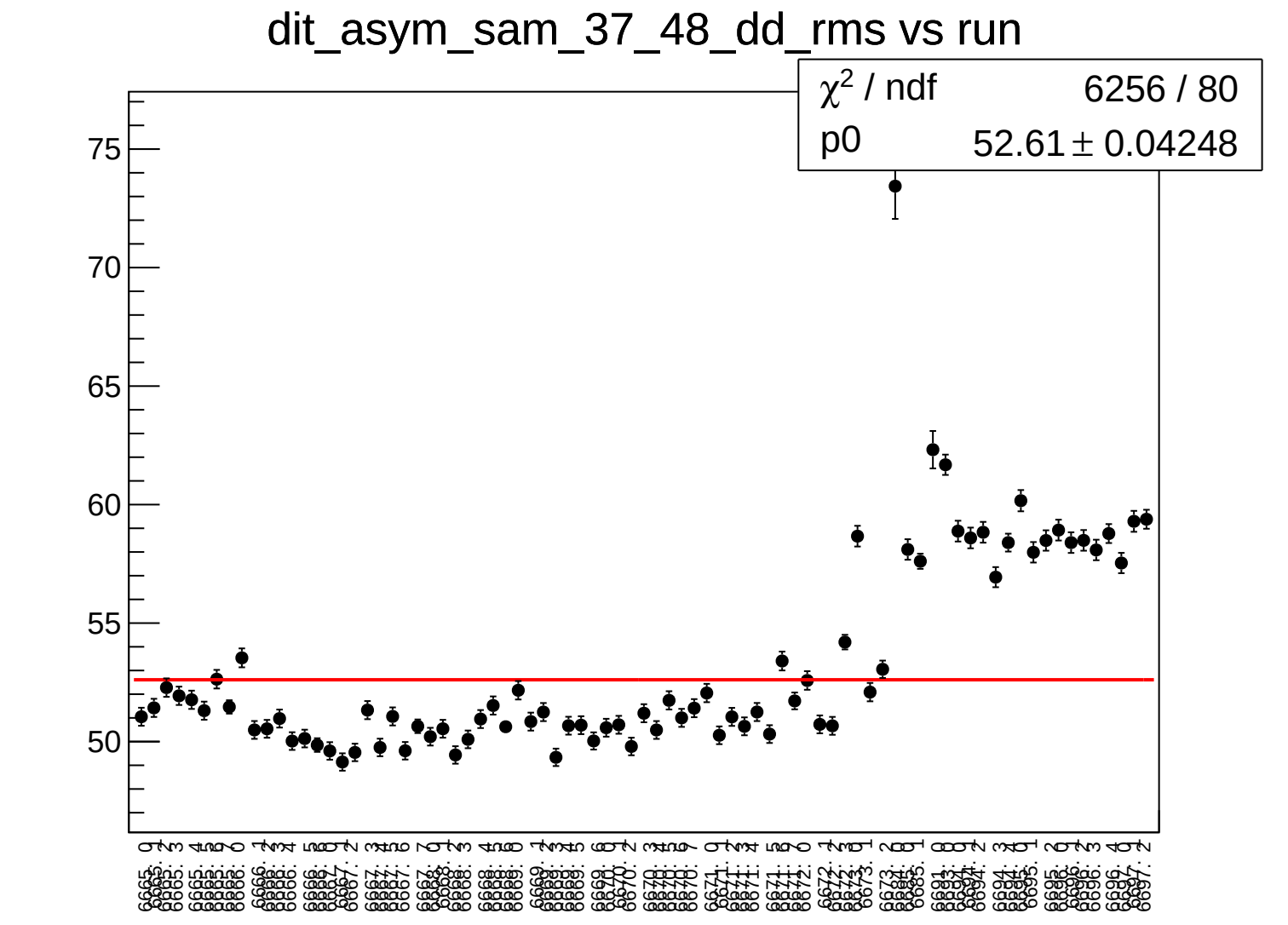

asym_sam_15_48_dd_mean vs run
χ² / ndf 78.13 / 80
p0 −363.5 ± 389.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 116.1
Std Dev 33.56
3
2
1
0
−1
−2

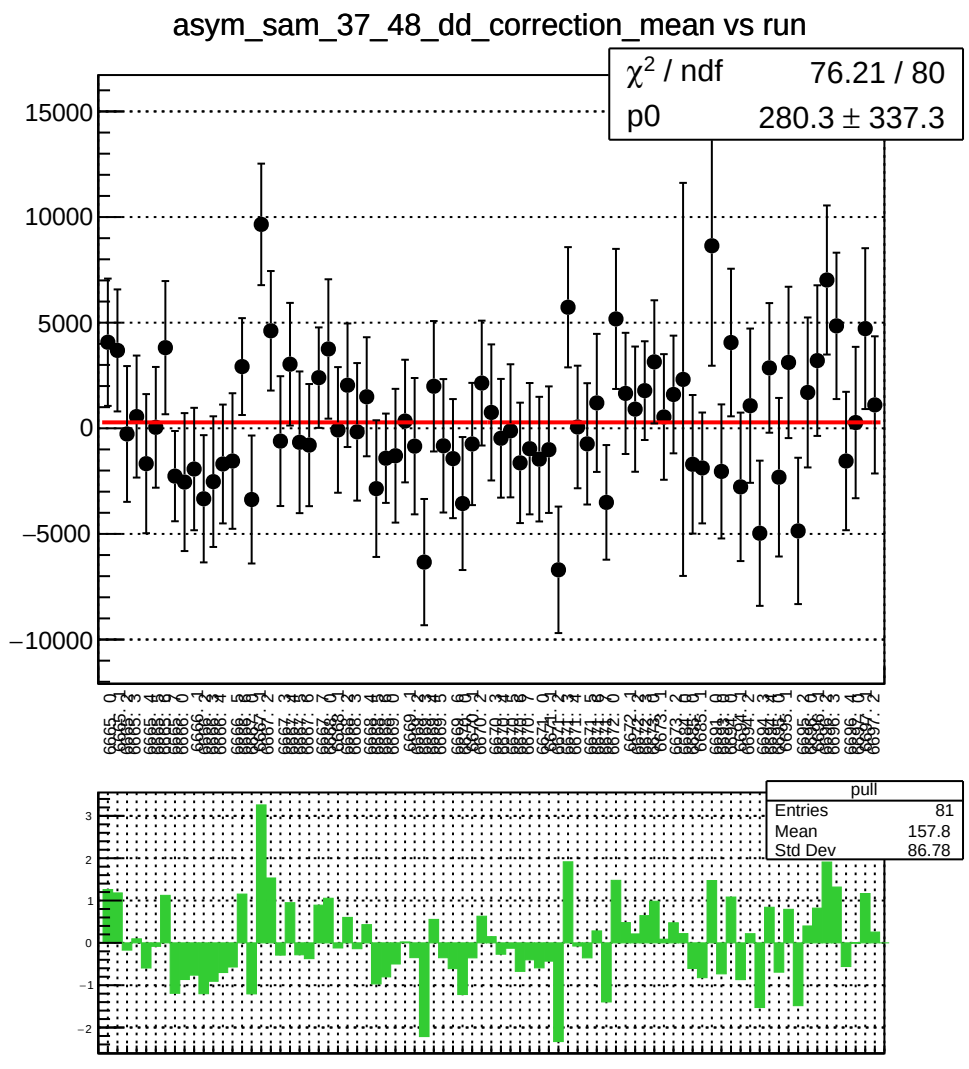

pull1D
Entries 81
Mean −0.0178
Std Dev 0.982
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

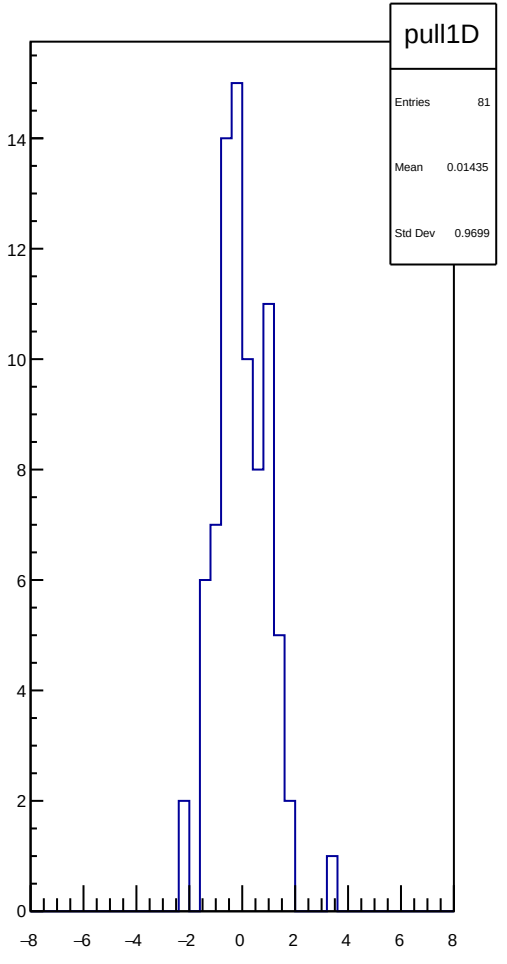

asym_sam_15_48_dd_rms vs run
χ² / ndf 2.373e+04 / 80
p0 339.5 ± 0.2757
460
440
420
400
380
360
340
320
300
280

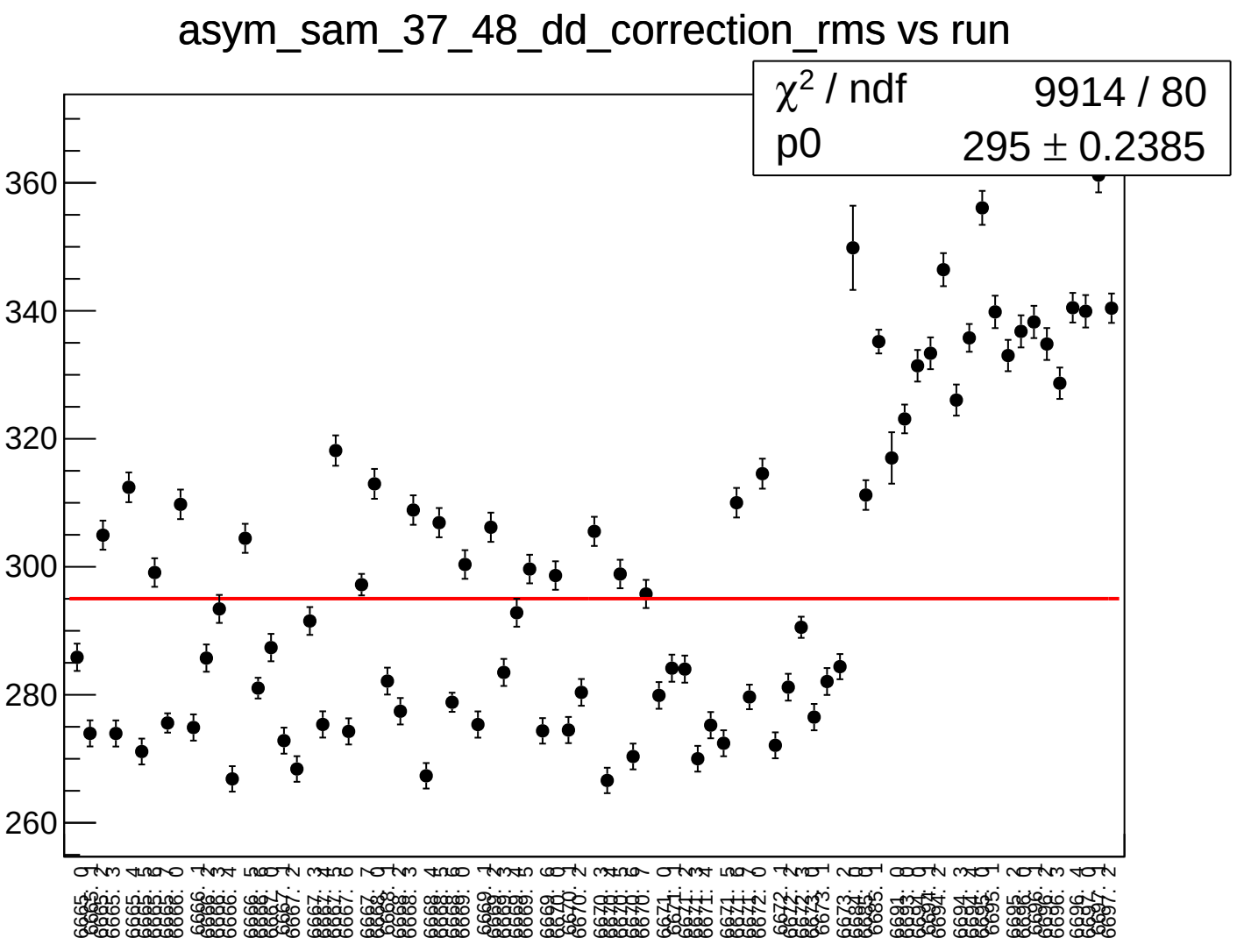

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 59.94 / 80
p0 38.69 ± 60.08
3000
2000
1000
0
−1000
−2000
pull
Entries 81
Mean 30.32
Std Dev 45.75
2
1
0
−1
−2
−3

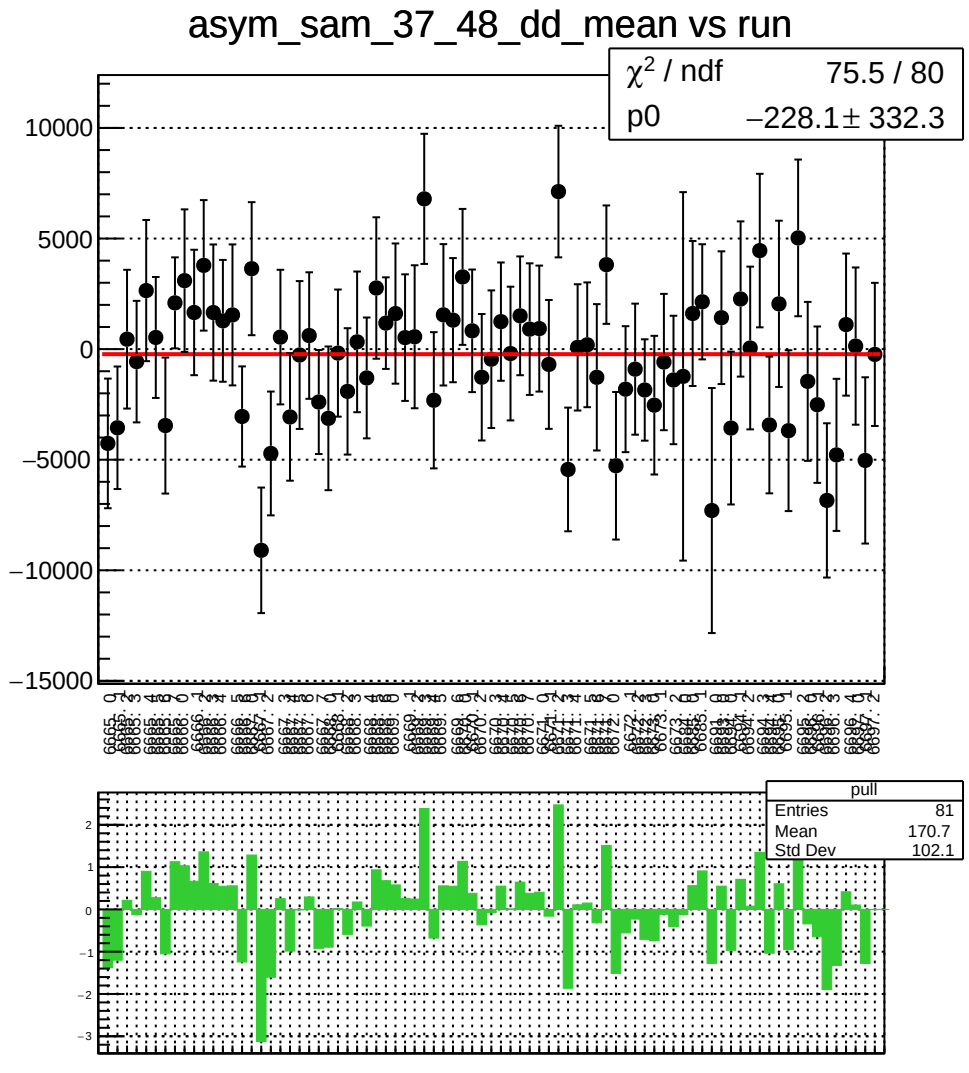

pull1D
Entries 81
Mean 0.02122
Std Dev 0.86
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

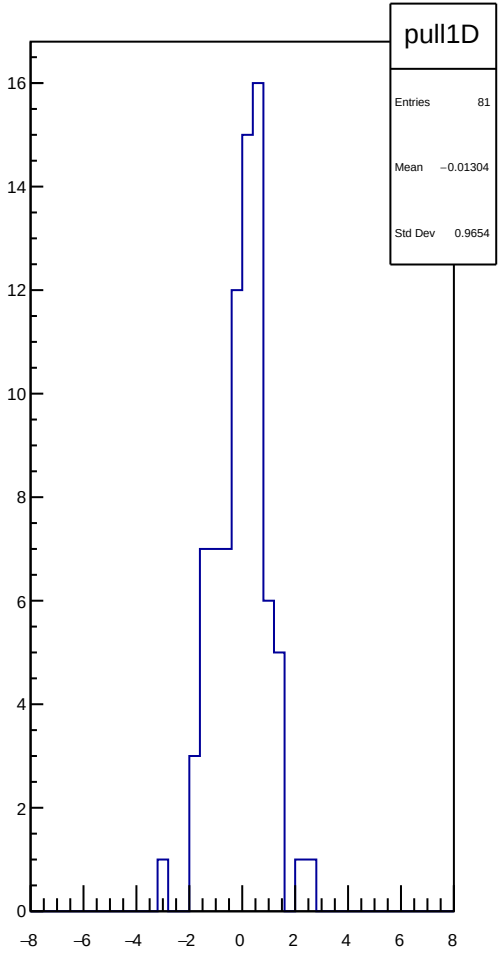

dit_asym_sam_37_48_dd_rms vs run
$\chi^2$ / ndf 6256 / 80
p0 52.61 ± 0.04248
75
70
65
60
55
50

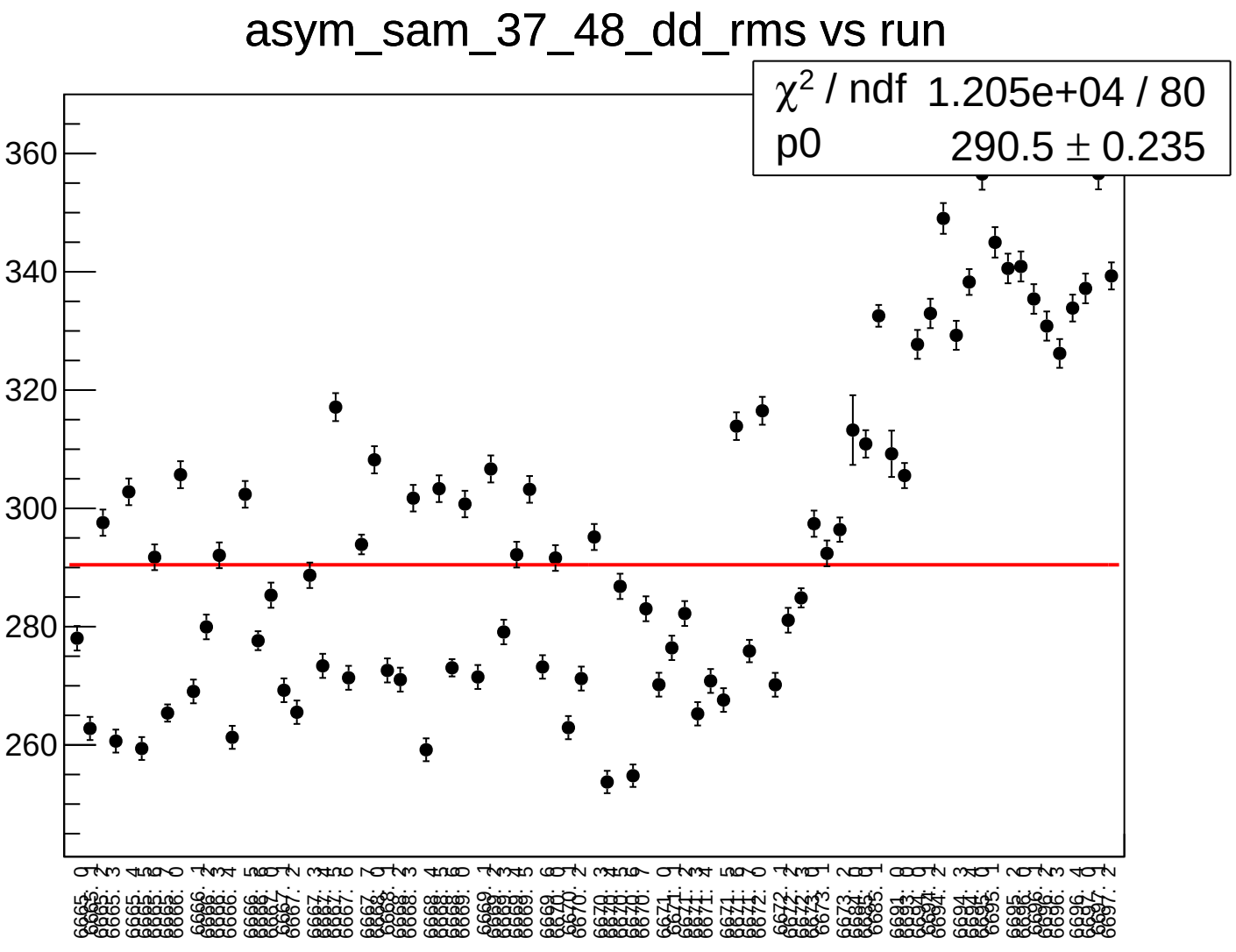

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 76.21 / 80
p0 280.3 ± 337.3
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 157.8
Std Dev 86.78
3
2
1
0
−1
−2

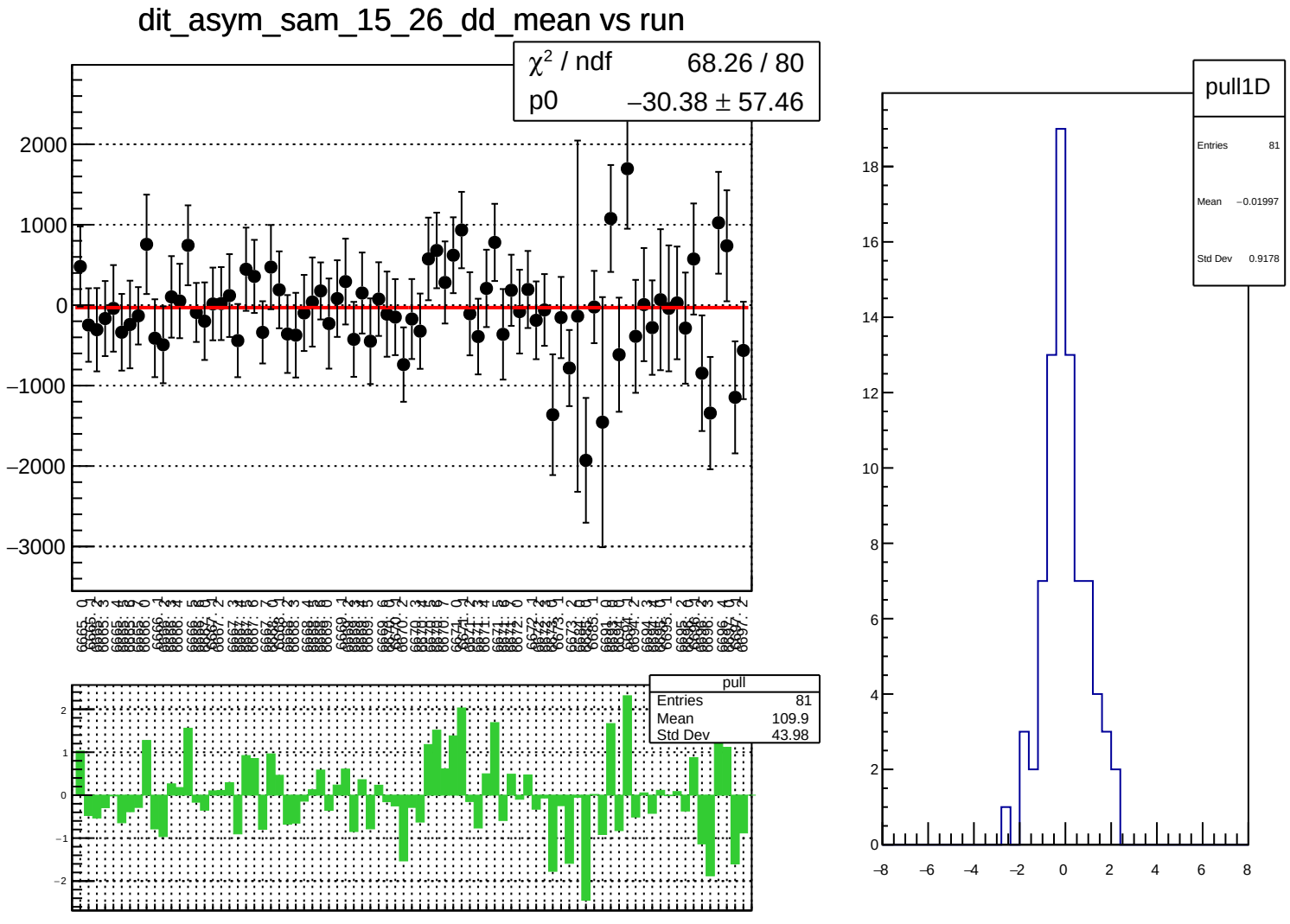

pull1D
Entries 81
Mean 0.01435
Std Dev 0.9699
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

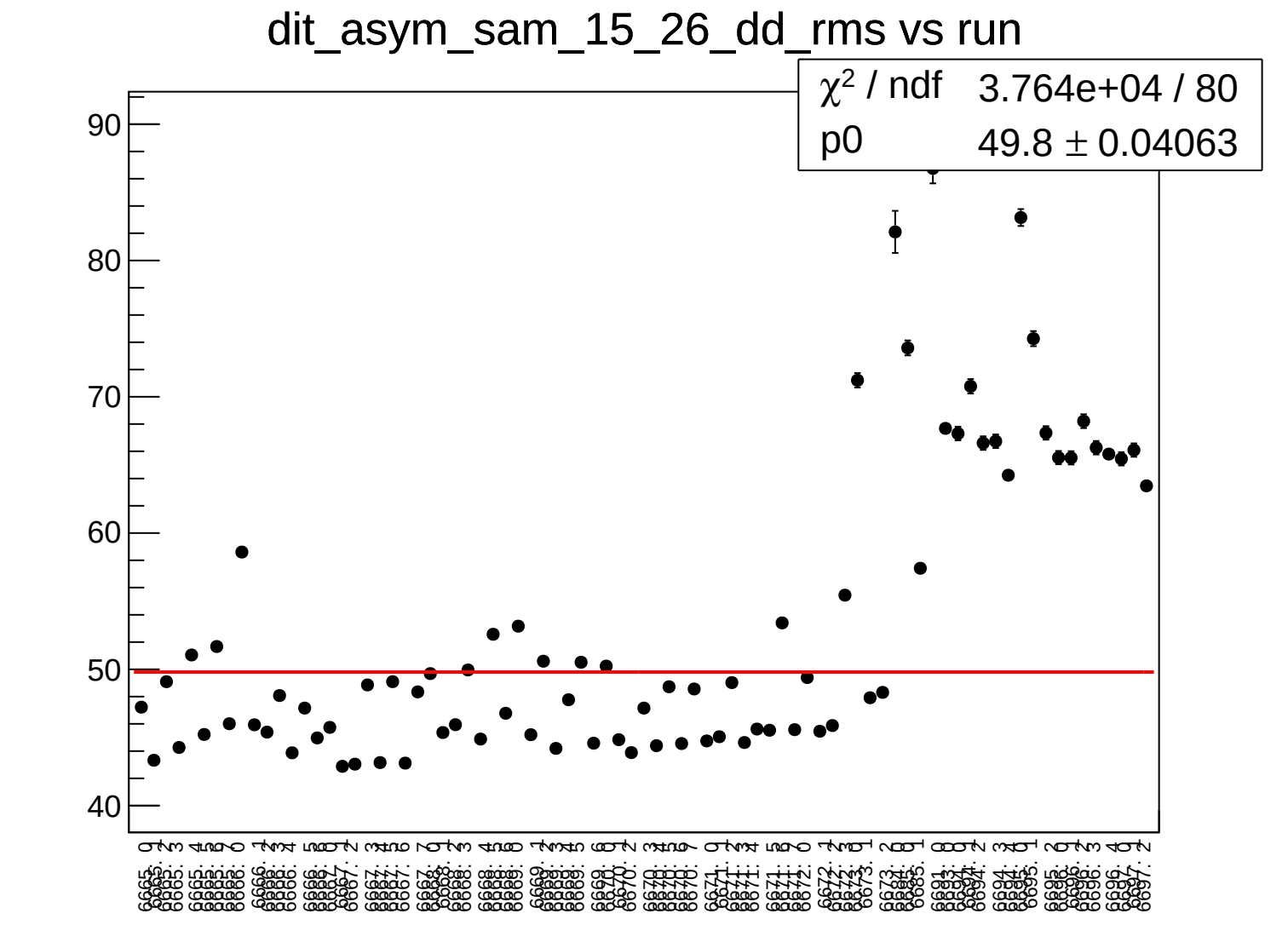

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 9914 / 80
p0 295 ± 0.2385
360
340
320
300
280
260

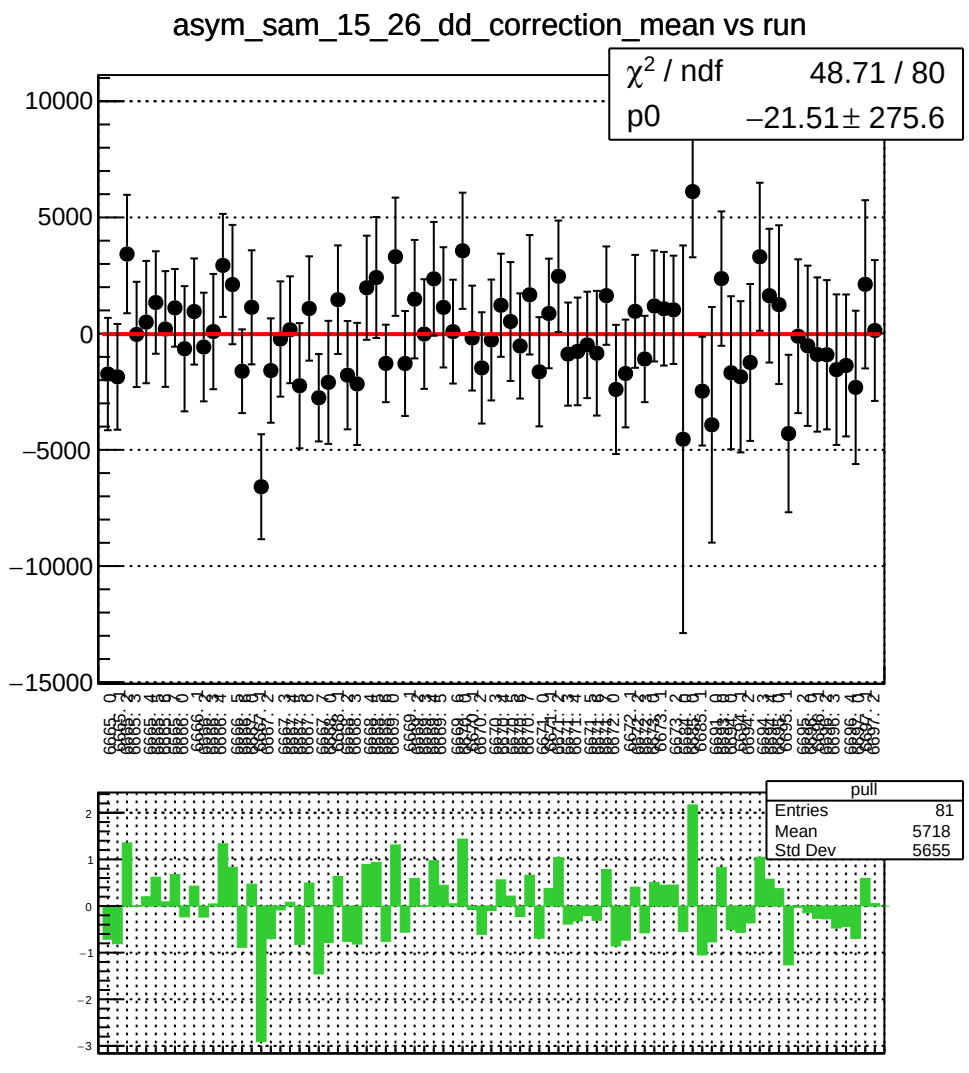

asym_sam_37_48_dd_mean vs run
χ² / ndf 75.5 / 80
p0 −228.1± 332.3
pull
Entries 81
Mean 170.7
Std Dev 102.1

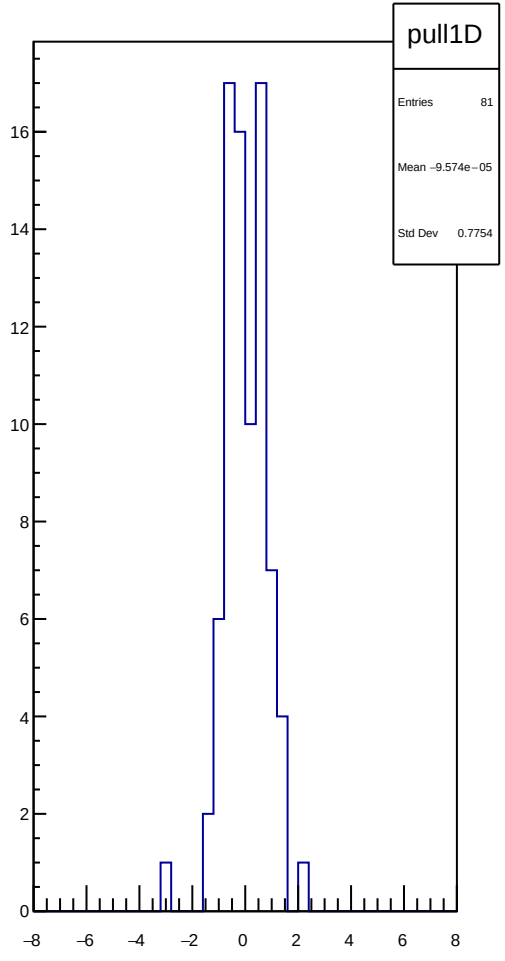

pull1D
Entries 81
Mean −0.01304
Std Dev 0.9654

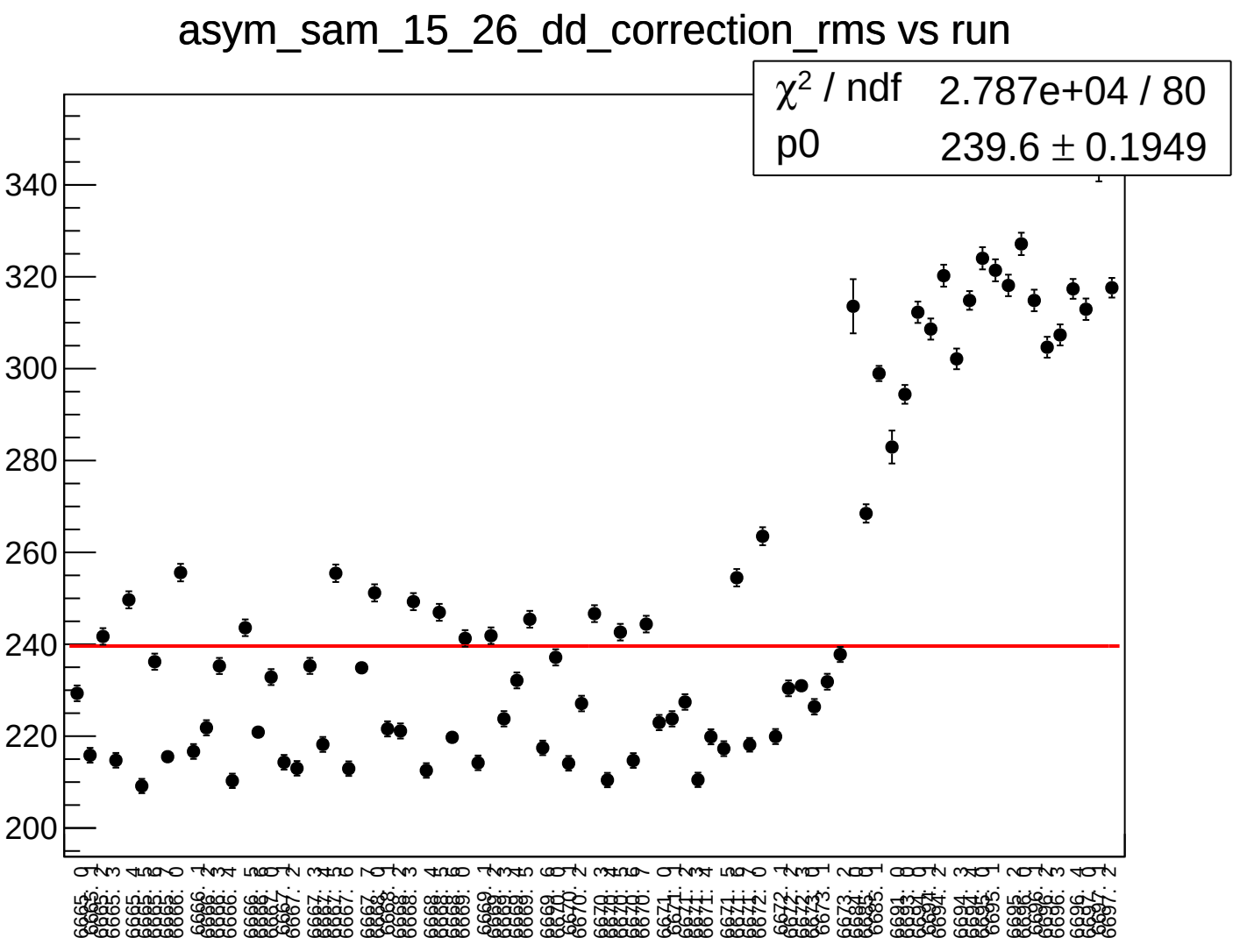

asym_sam_37_48_dd_rms vs run
χ² / ndf 1.205e+04 / 80
p0 290.5 ± 0.235
360
340
320
300
280
260

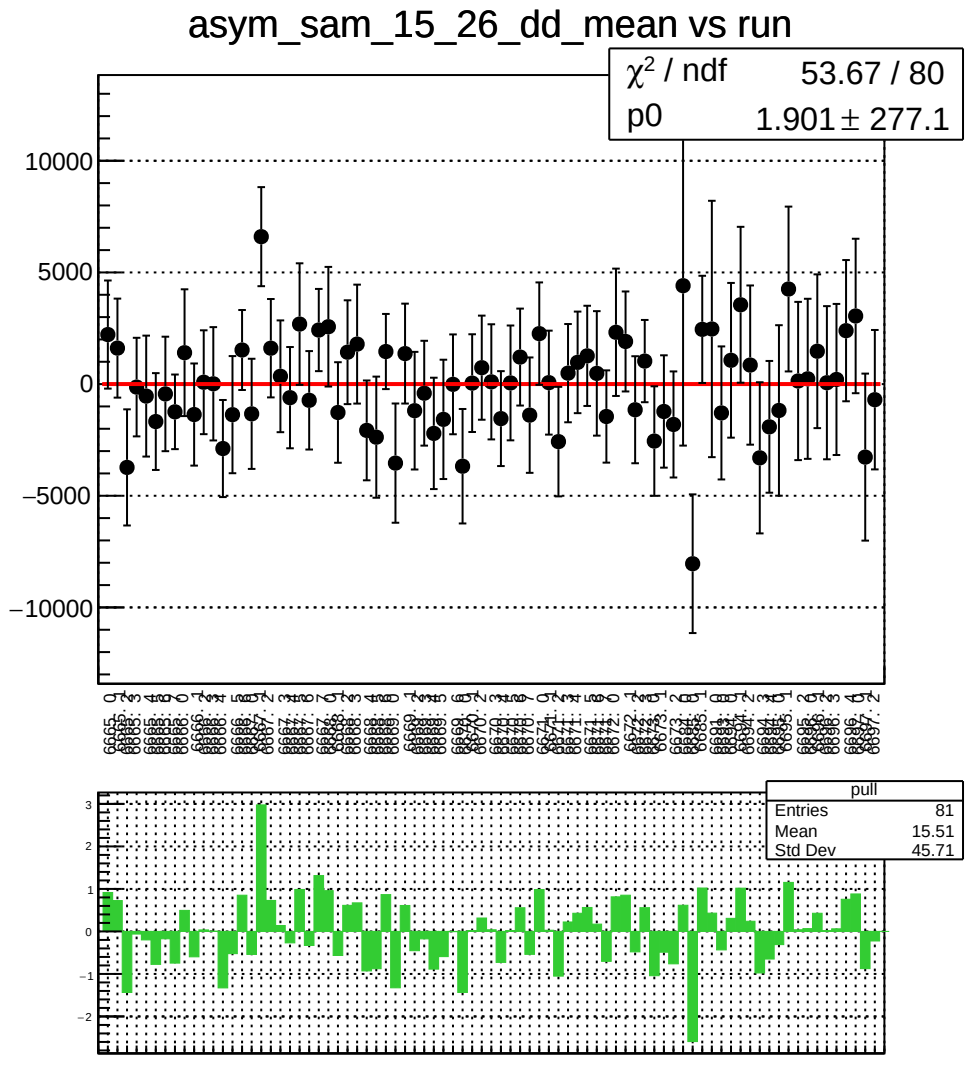

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 68.26 / 80
p0 −30.38 ± 57.46
2000
1000
0
−1000
−2000
−3000
pull
Entries 81
Mean 109.9
Std Dev 43.98
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01997
Std Dev 0.9178
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

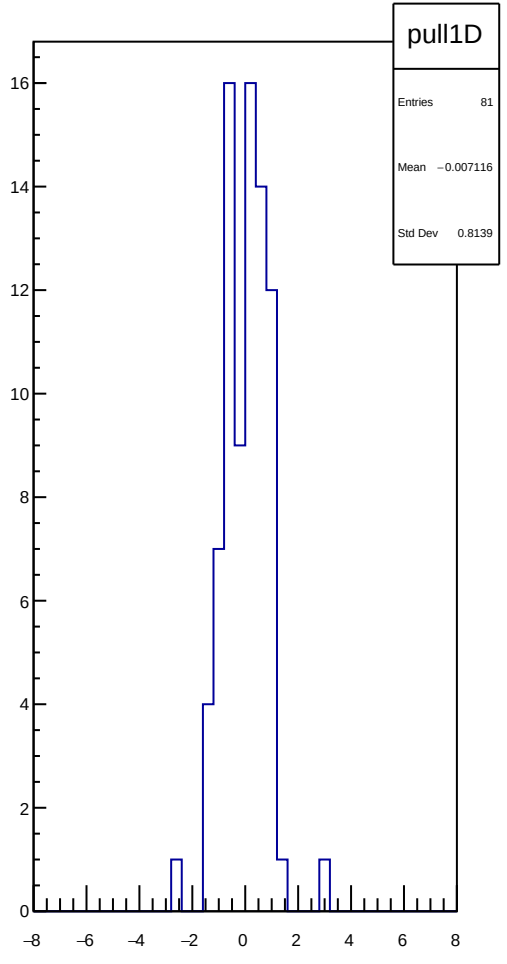

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 3.764e+04 / 80
p0 49.8 ± 0.04063
90
80
70
60
50
40

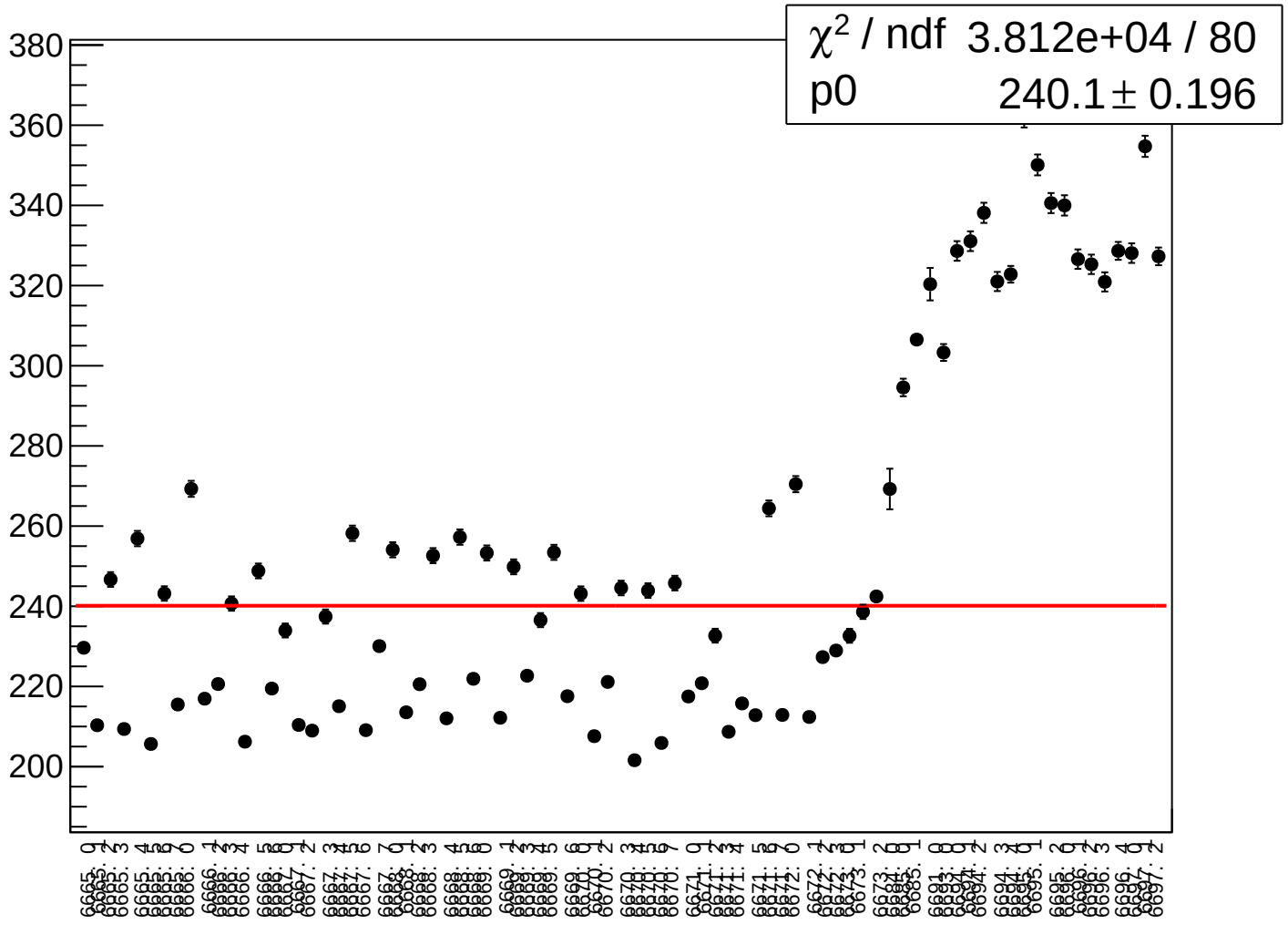

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 48.71 / 80
p0 −21.51 ± 275.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 5718
Std Dev 5655
2
1
0
−1
−2
−3

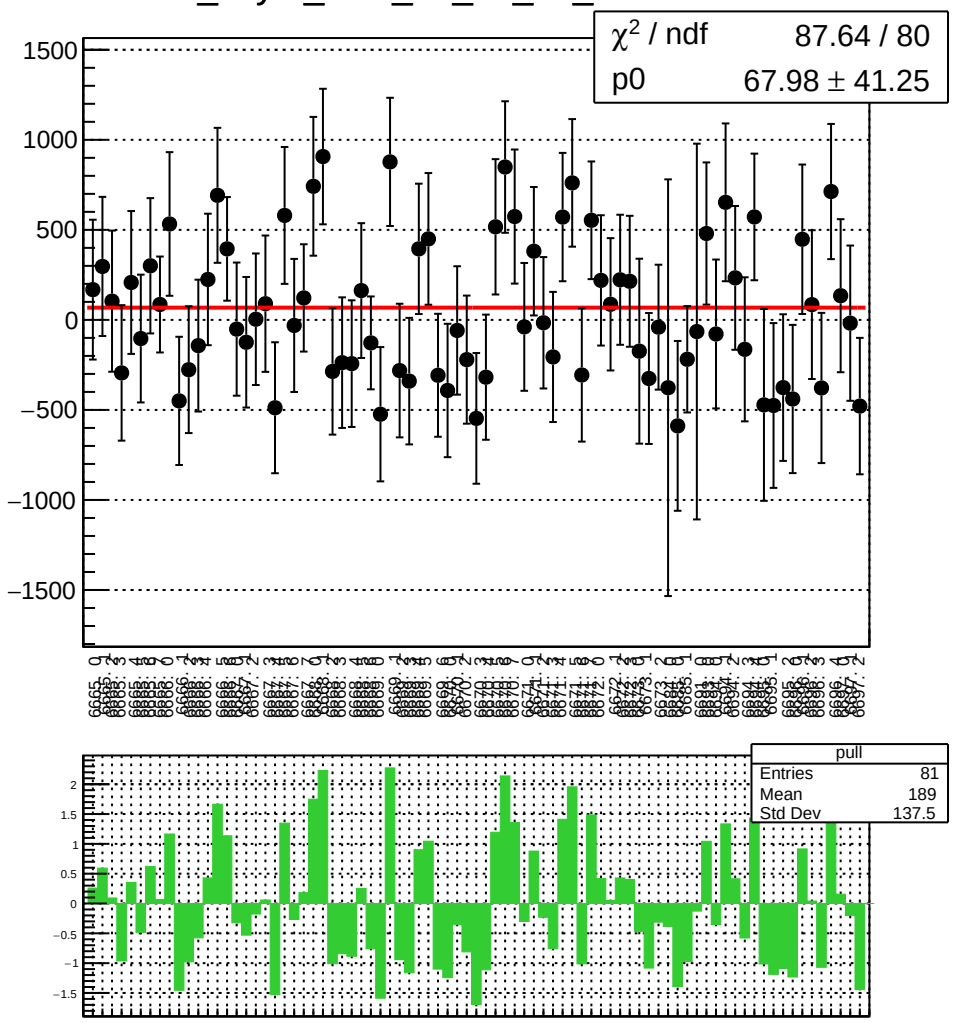

pull1D
Entries 81
Mean −9.574e−05
Std Dev 0.7754
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

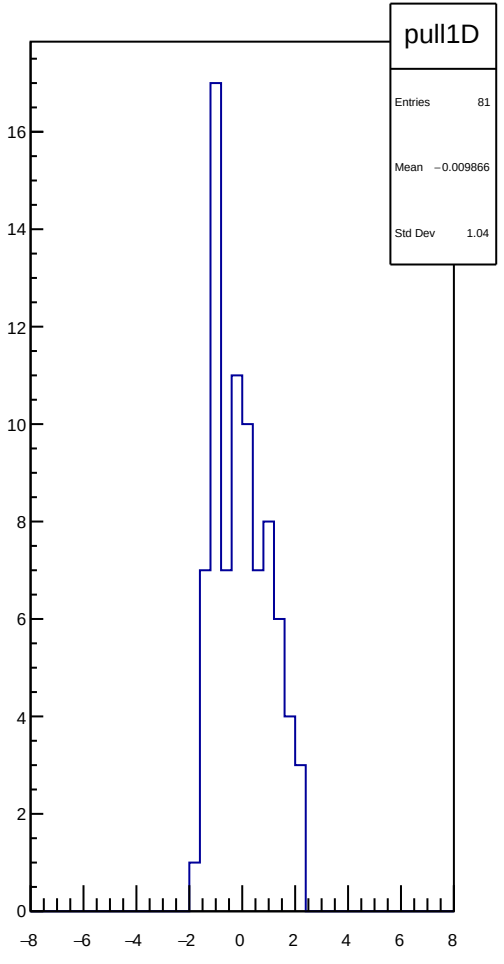

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 2.787e+04 / 80
p0 239.6 ± 0.1949
340
320
300
280
260
240
220
200

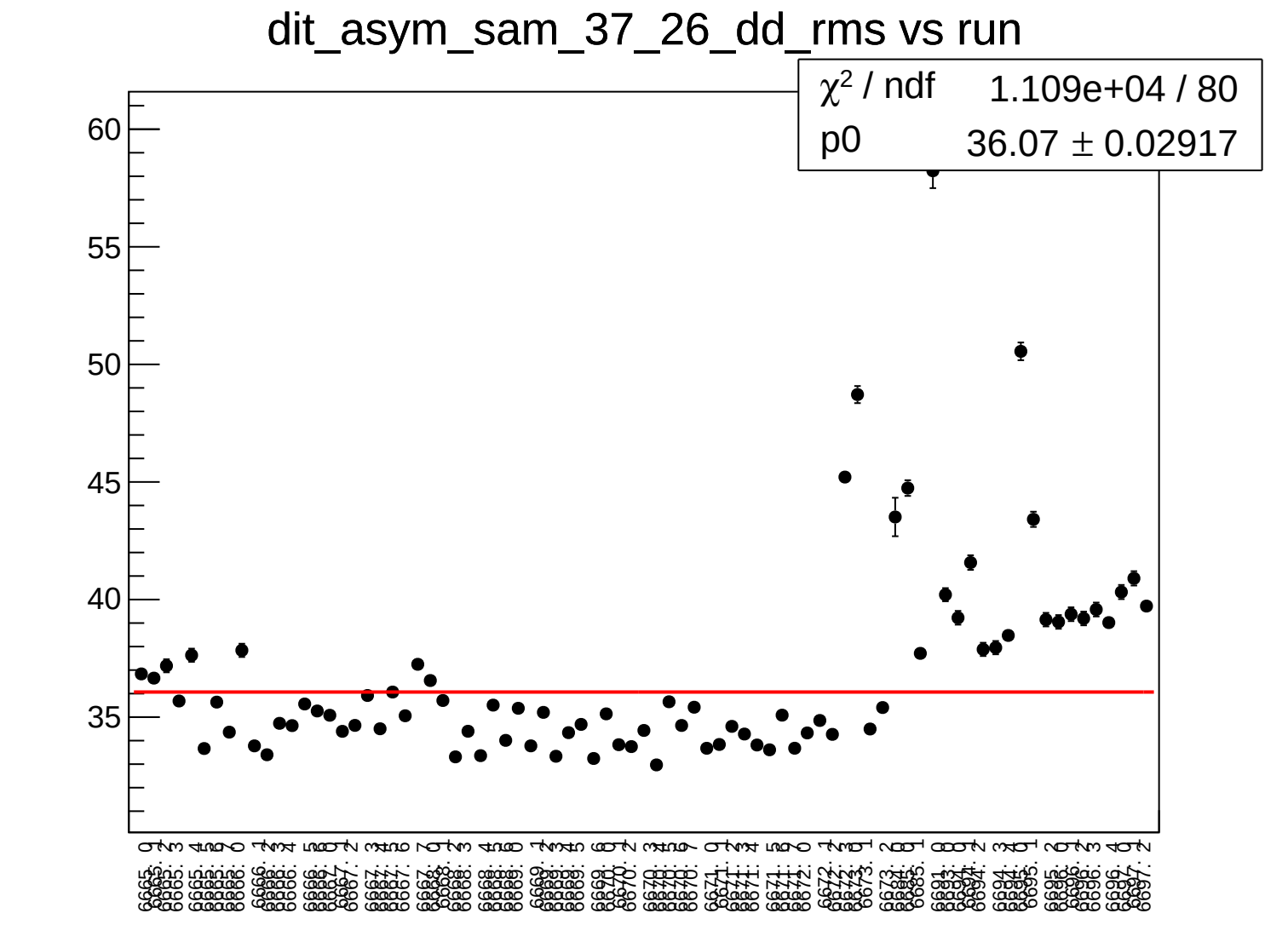

asym_sam_15_26_dd_mean vs run
χ² / ndf 53.67 / 80
p0 1.901 ± 277.1
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 15.51
Std Dev 45.71
3
2
1
0
−1
−2

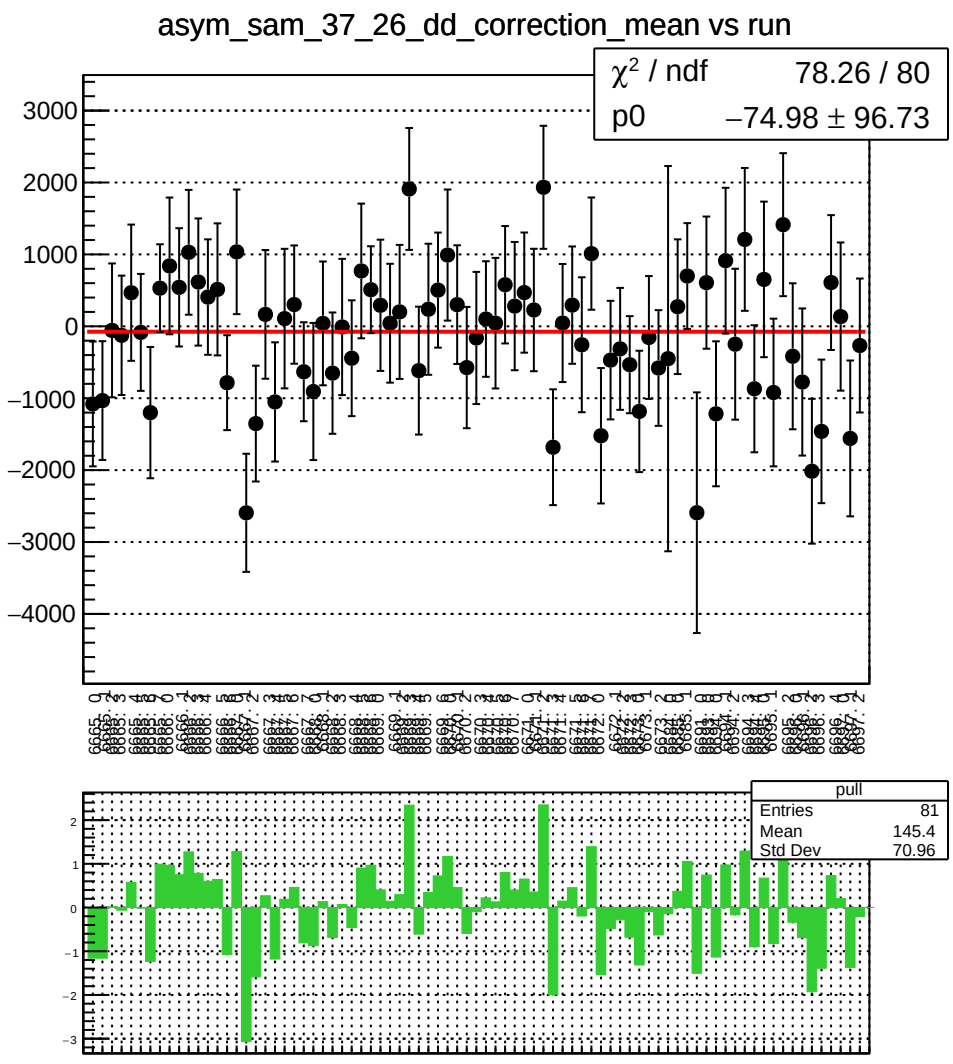

pull1D
Entries 81
Mean −0.007116
Std Dev 0.8139
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

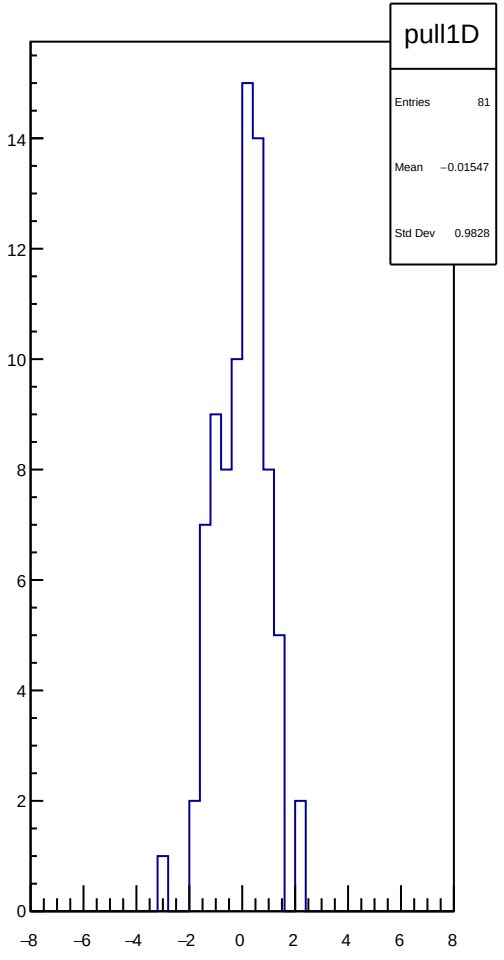

asym_sam_15_26_dd_rms vs run
χ² / ndf 3.812e+04 / 80
p0 240.1 ± 0.196
380
360
340
320
300
280
260
240
220
200

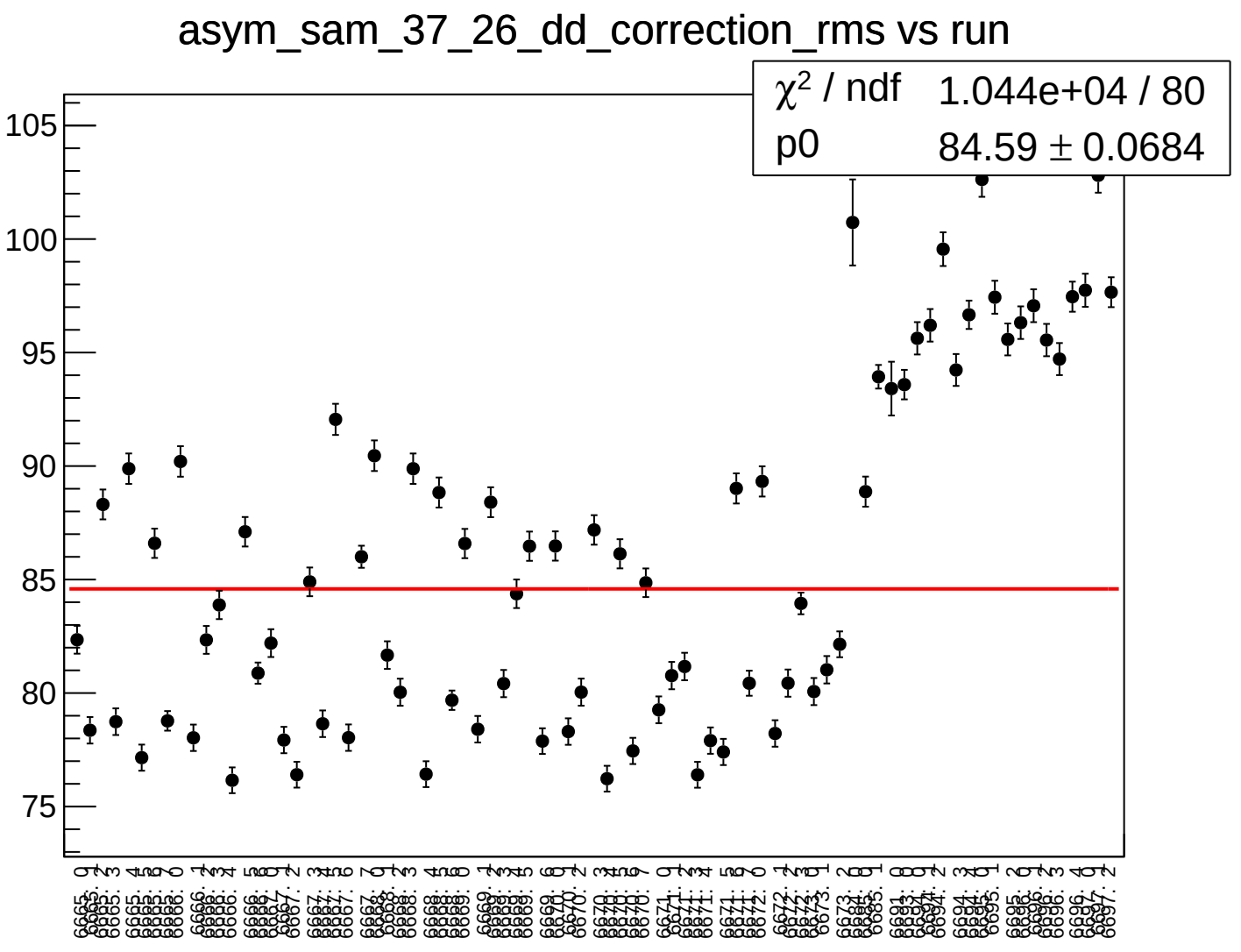

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 87.64 / 80
p0 67.98 ± 41.25
pull
Entries 81
Mean 189
Std Dev 137.5

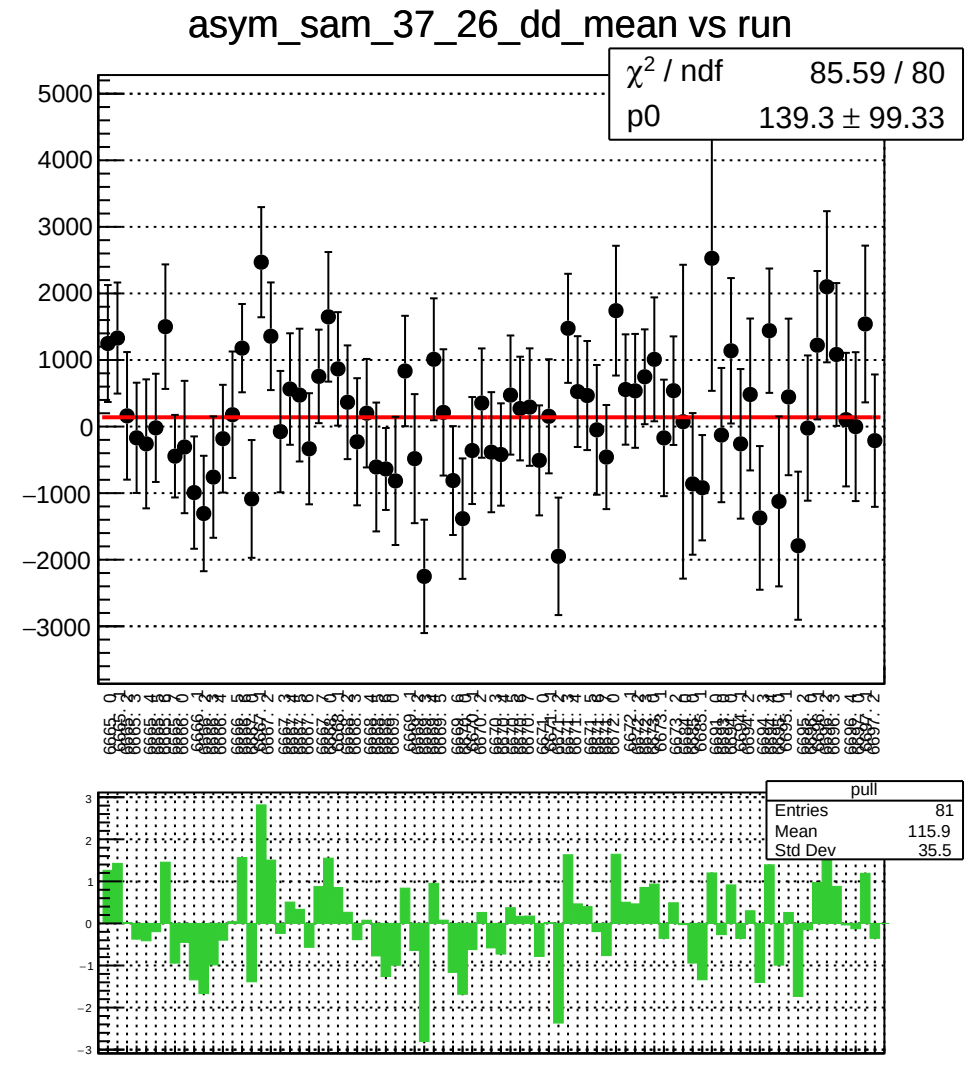

pull1D
Entries 81
Mean −0.009866
Std Dev 1.04

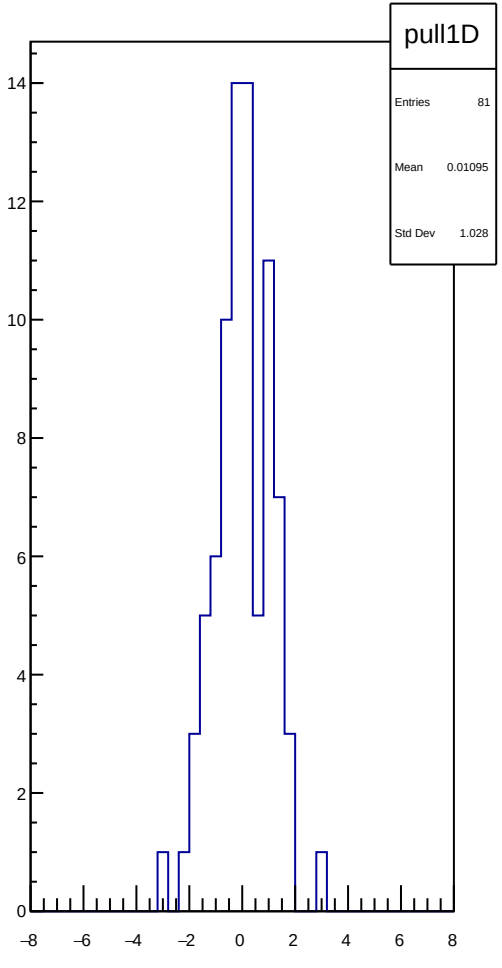

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.109e+04 / 80
p0 36.07 ± 0.02917
60
55
50
45
40
35

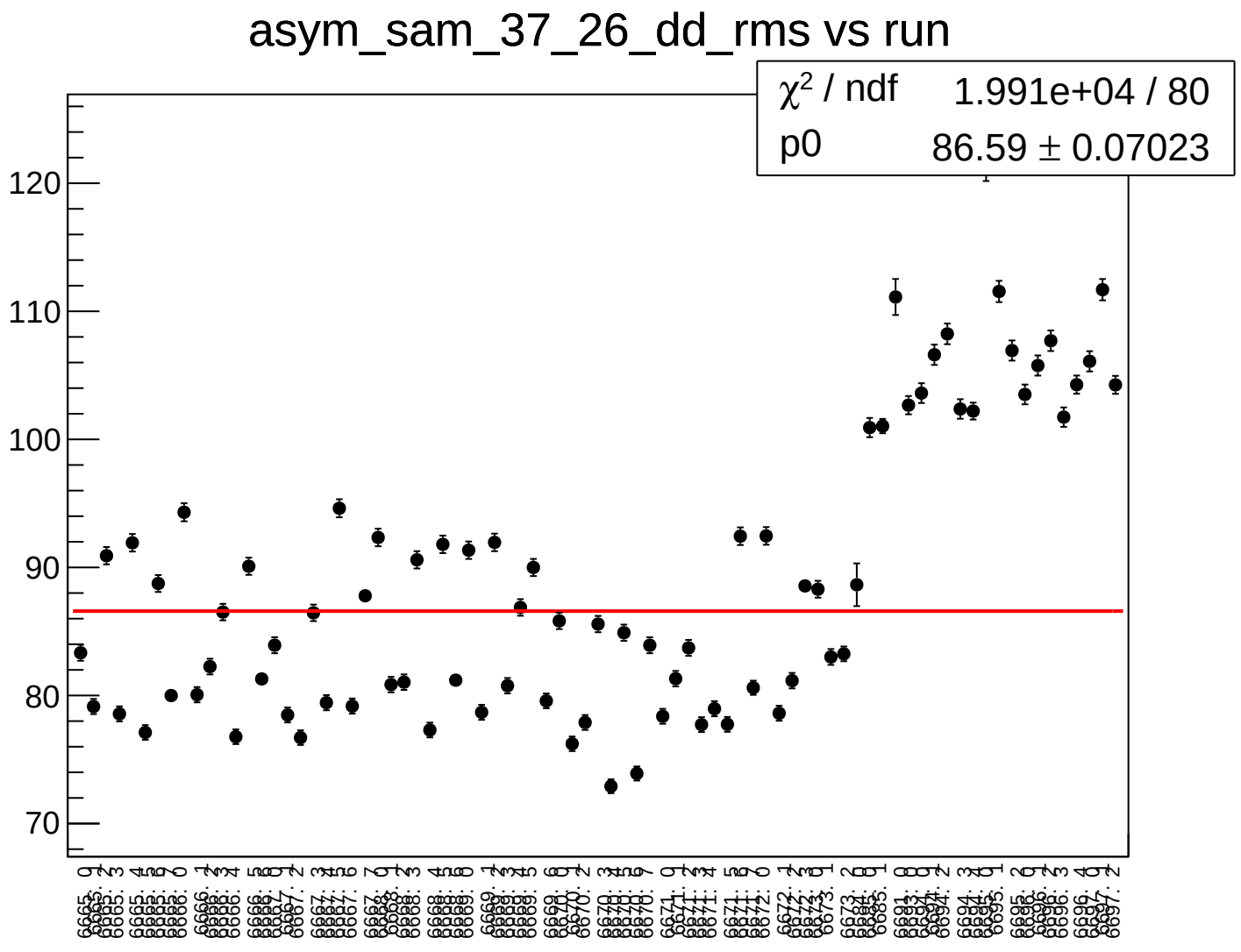

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 78.26 / 80
p0 −74.98 ± 96.73
pull
Entries 81
Mean 145.4
Std Dev 70.96

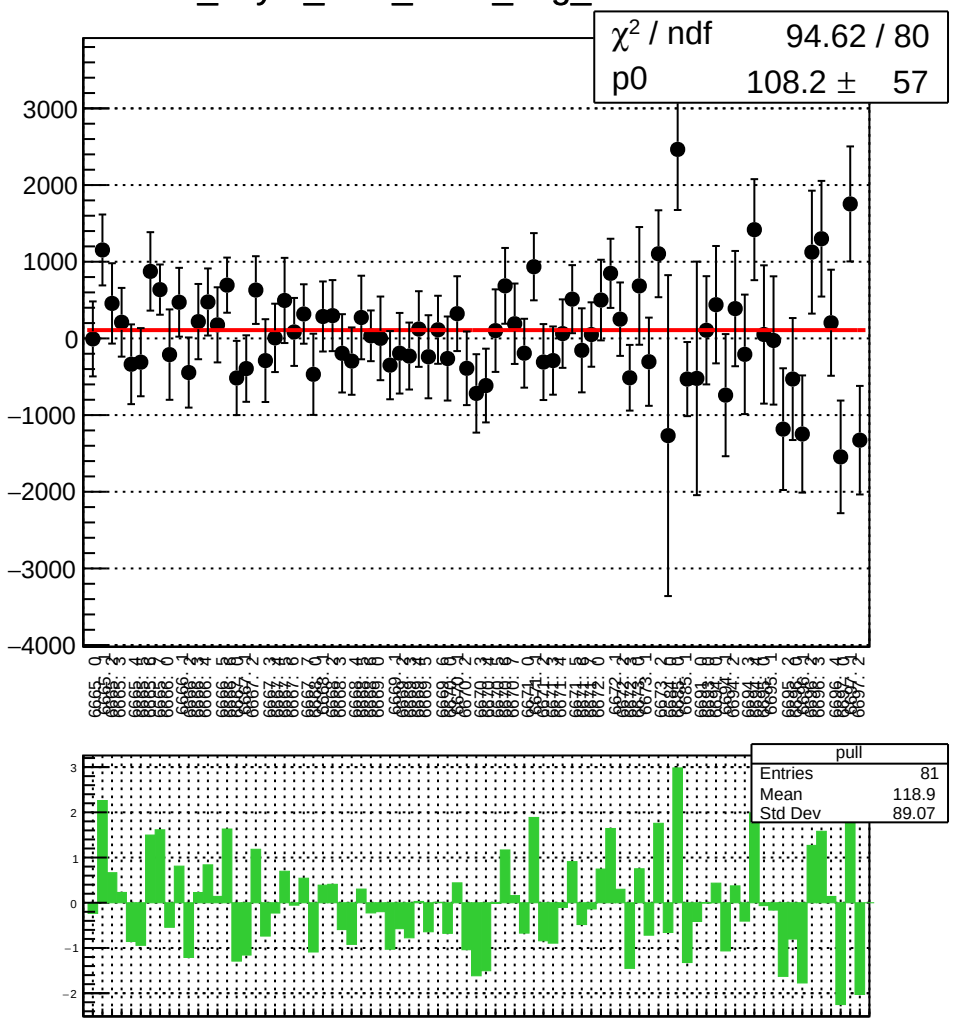

pull1D
Entries 81
Mean −0.01547
Std Dev 0.9828

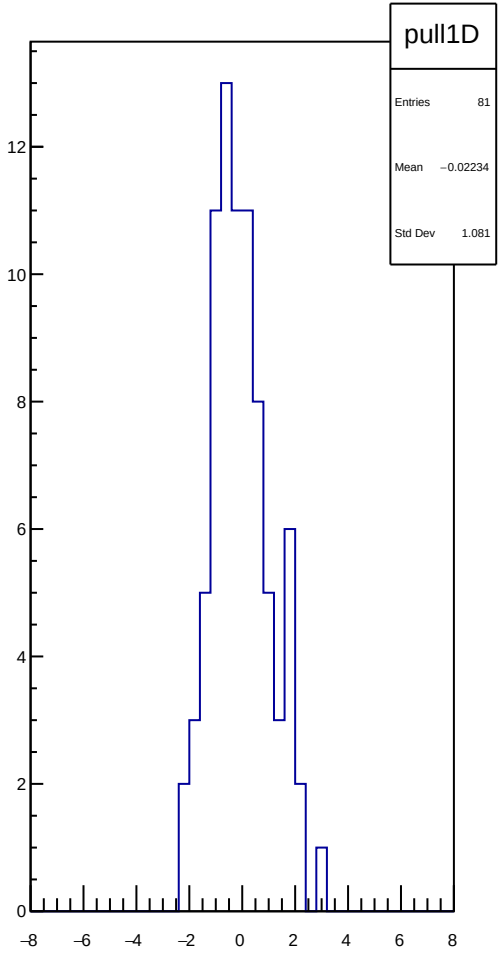

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 1.044e+04 / 80
p0 84.59 ± 0.0684
105
100
95
90
85
80
75

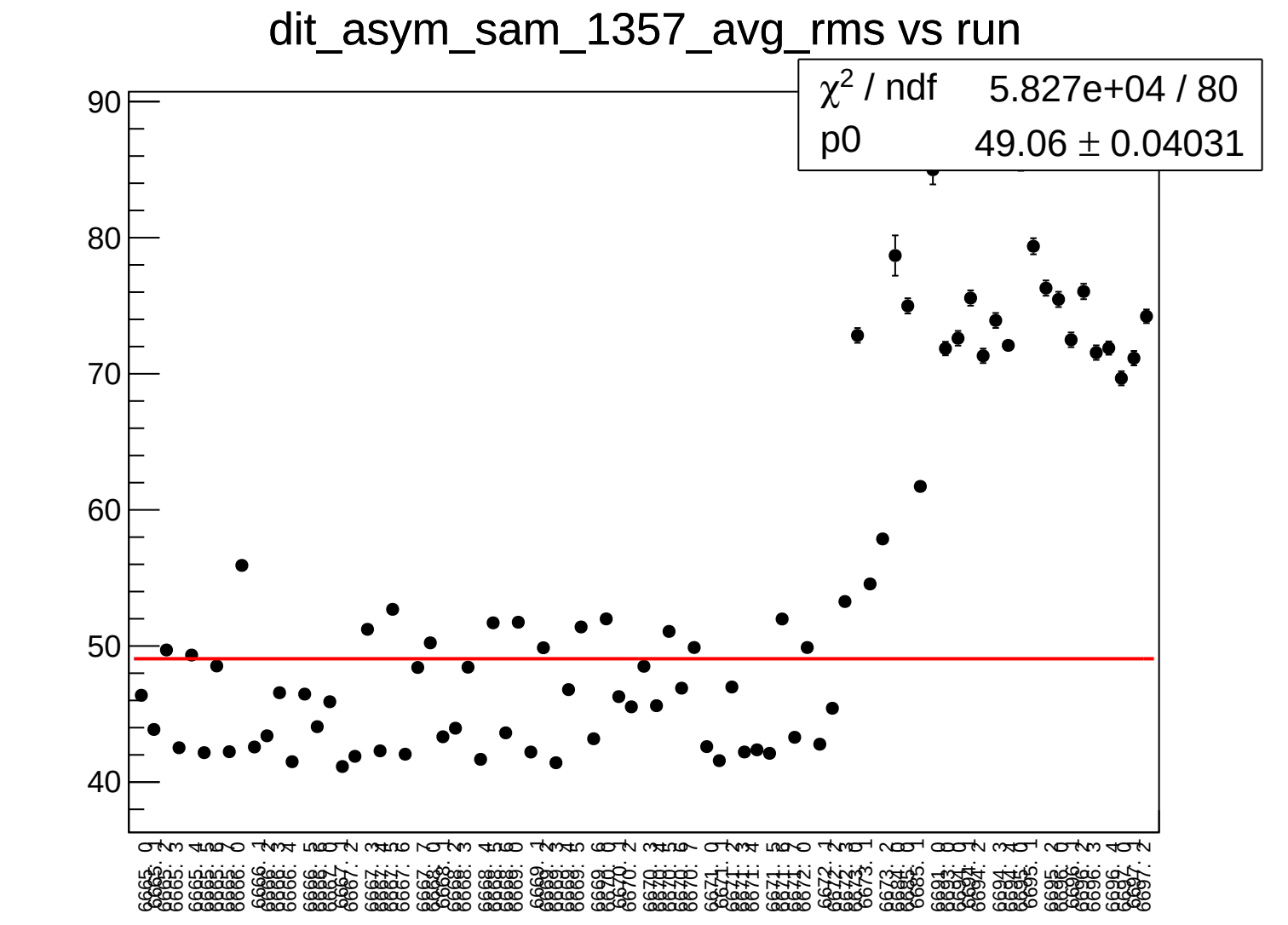

asym_sam_37_26_dd_mean vs run
χ² / ndf 85.59 / 80
p0 139.3 ± 99.33
pull
Entries 81
Mean 115.9
Std Dev 35.5

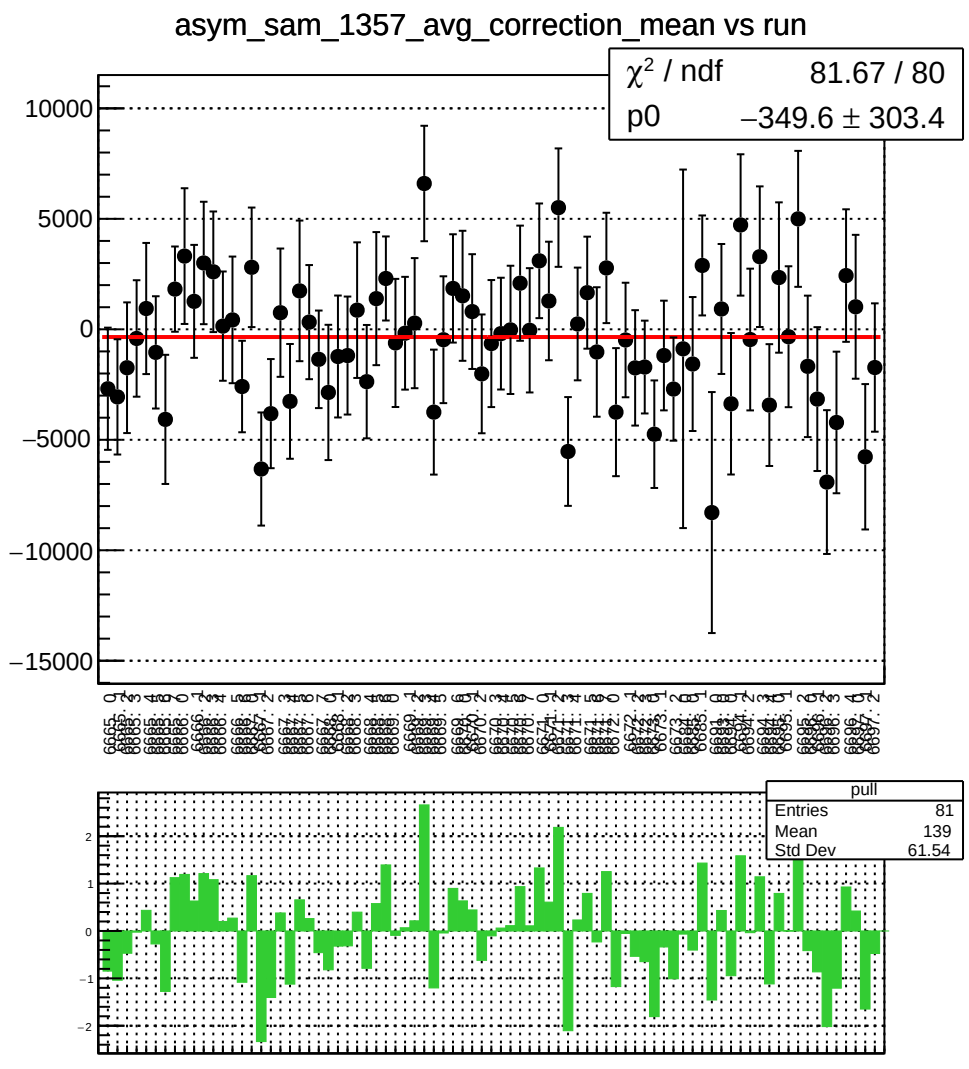

pull1D
Entries 81
Mean 0.01095
Std Dev 1.028

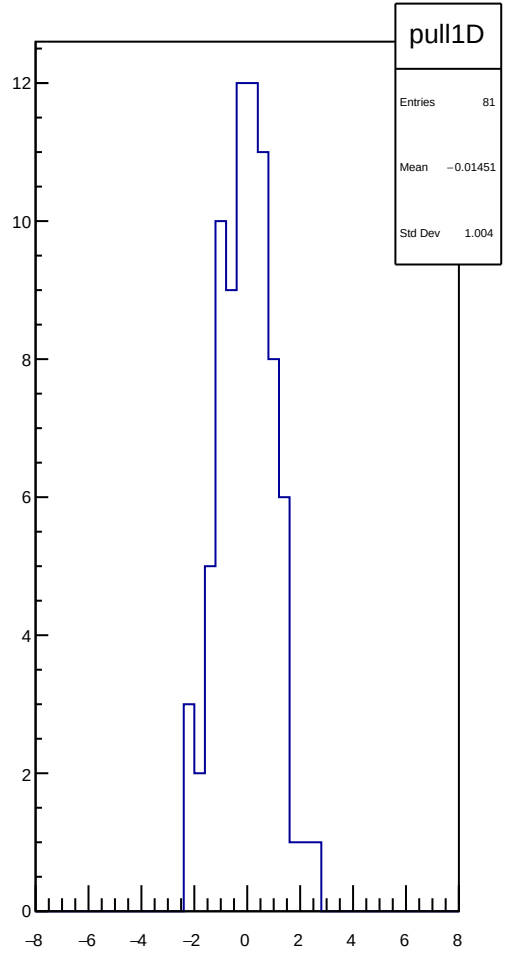

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.991e+04 / 80
p0 86.59 ± 0.07023
120
110
100
90
80
70

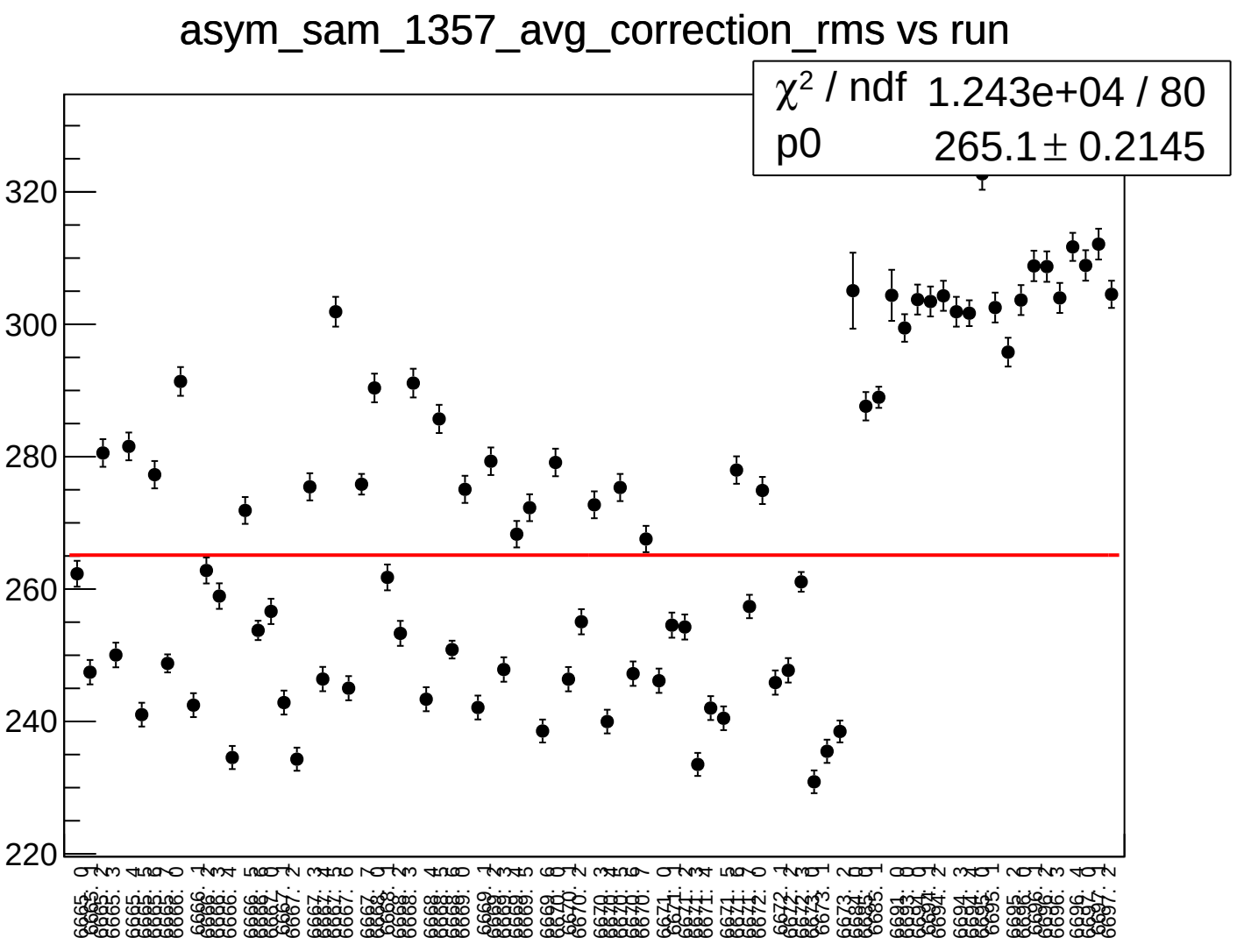

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 94.62 / 80
p0 108.2 ± 57
pull
Entries 81
Mean 118.9
Std Dev 89.07

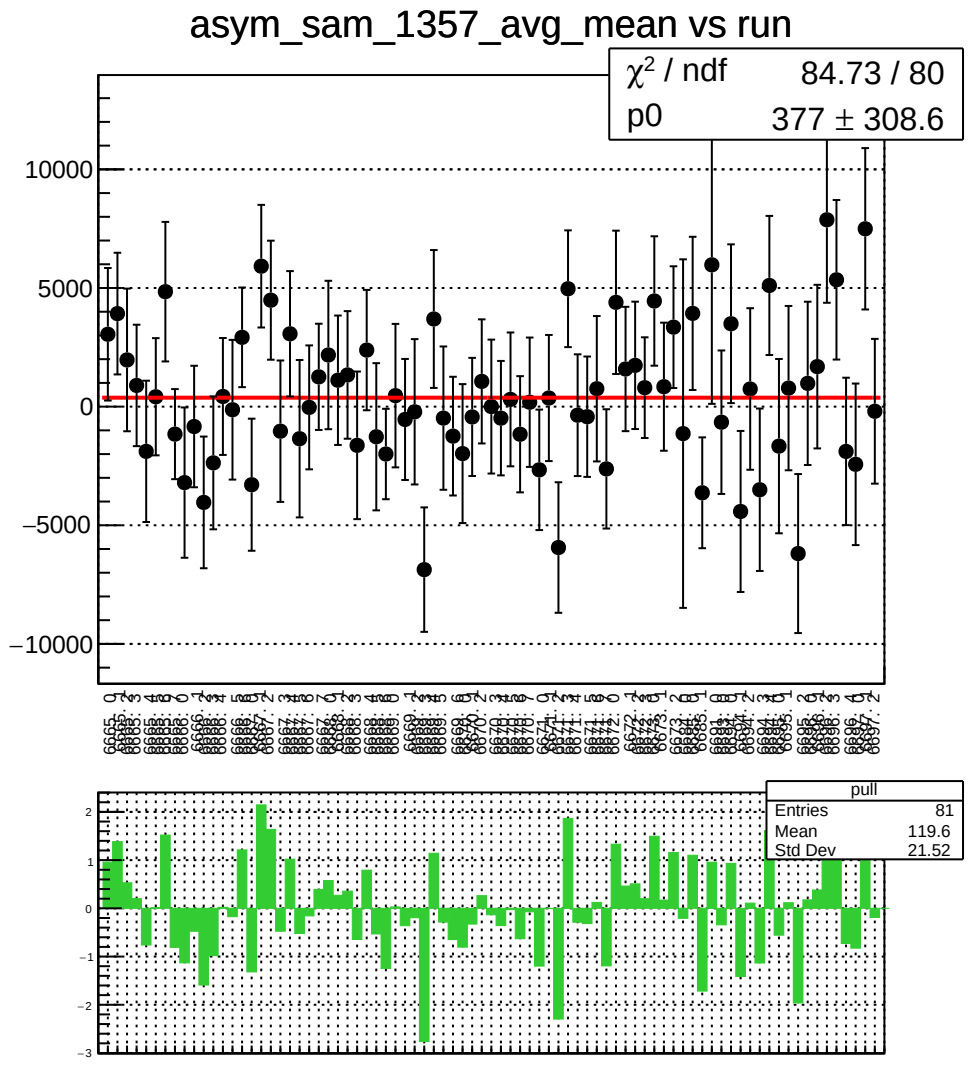

pull1D
Entries 81
Mean −0.02234
Std Dev 1.081

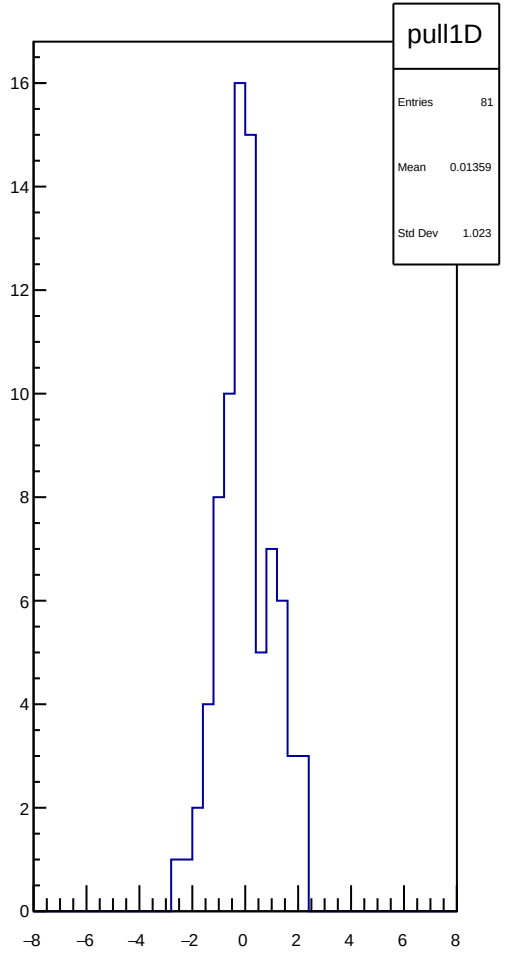

dit_asym_sam_1357_avg_rms vs run
$\chi^2$ / ndf 5.827e+04 / 80
p0 49.06 ± 0.04031
90
80
70
60
50
40

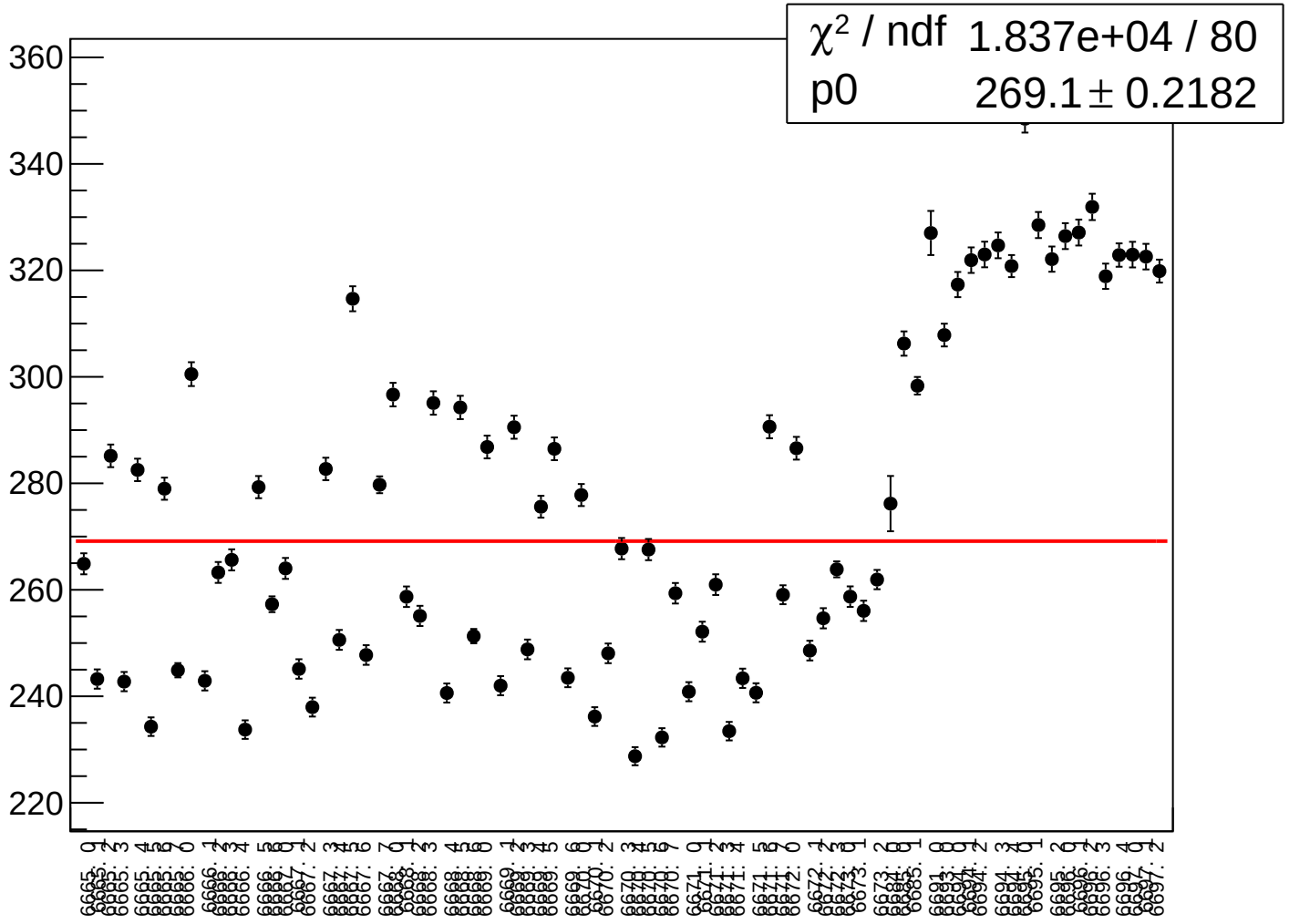

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 81.67 / 80
p0 −349.6 ± 303.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 139
Std Dev 61.54
2
1
0
−1
−2

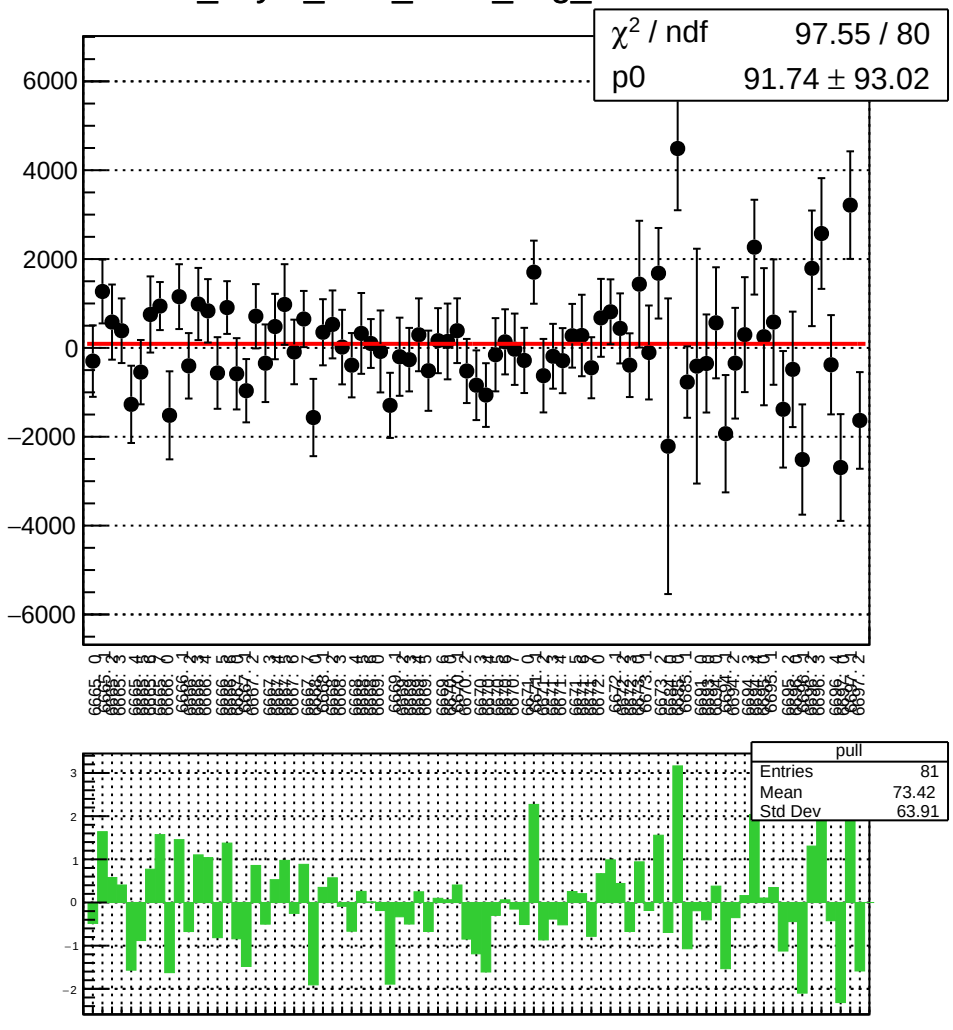

pull1D
Entries 81
Mean −0.01451
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

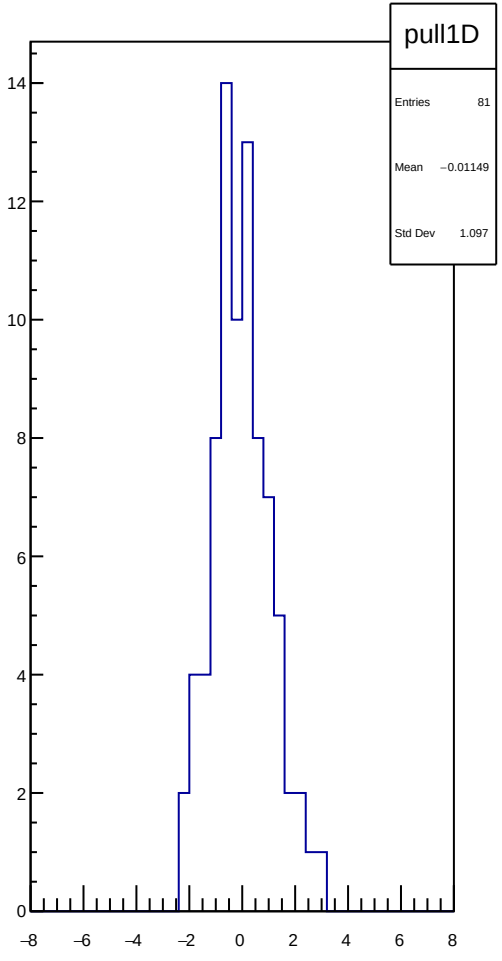

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1.243e+04 / 80
p0 265.1 ± 0.2145
320
300
280
260
240
220

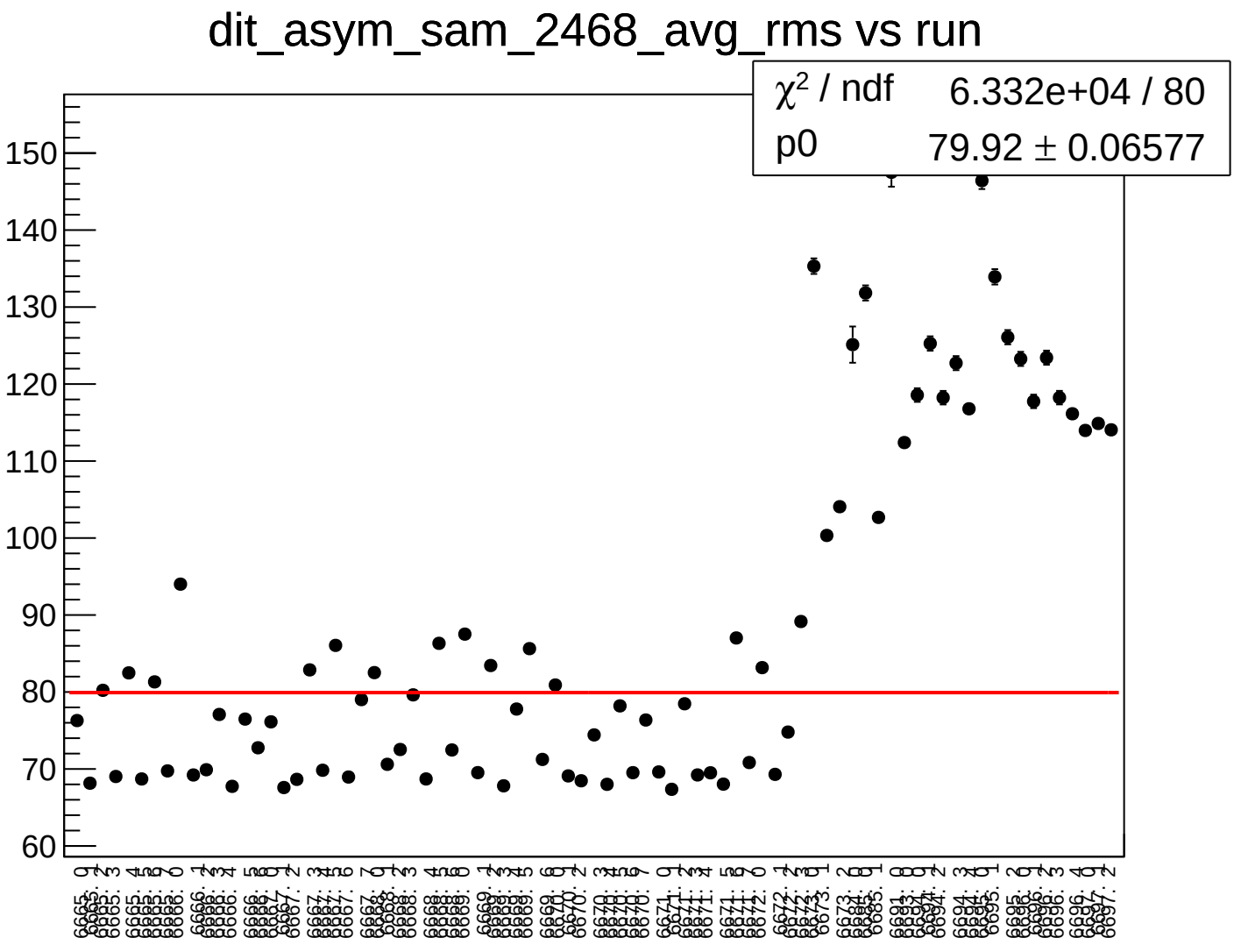

asym_sam_1357_avg_mean vs run
χ² / ndf 84.73 / 80
p0 377 ± 308.6
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 119.6
Std Dev 21.52
2
1
0
−1
−2
−3

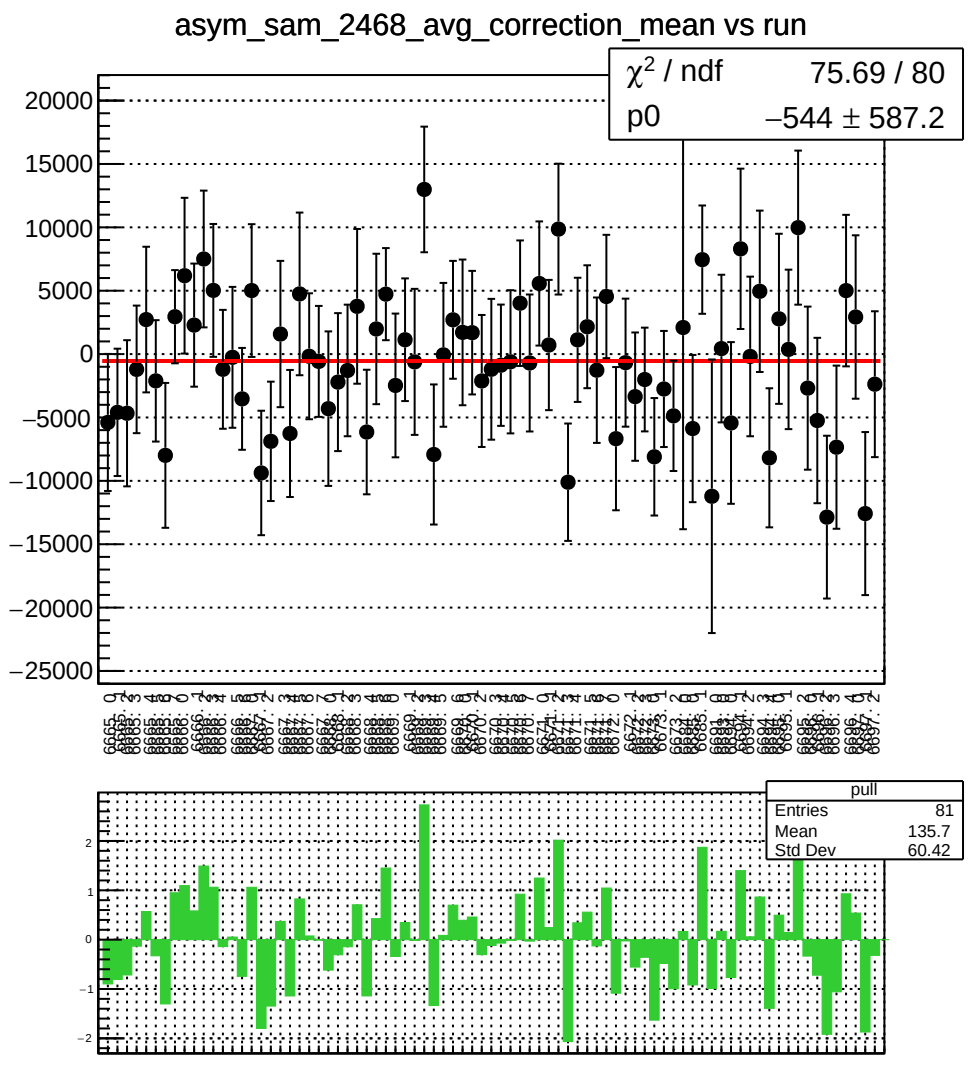

pull1D
Entries 81
Mean 0.01359
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

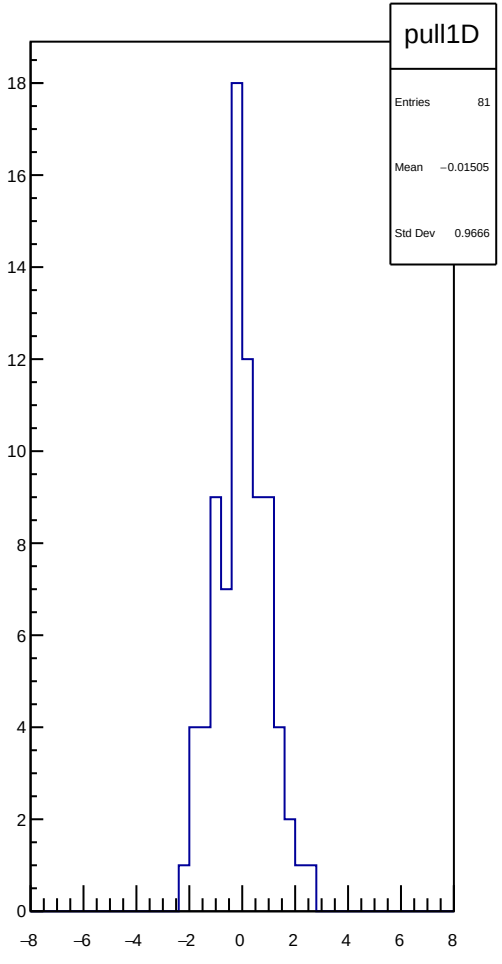

asym_sam_1357_avg_rms vs run
χ² / ndf 1.837e+04 / 80
p0 269.1 ± 0.2182
360
340
320
300
280
260
240
220

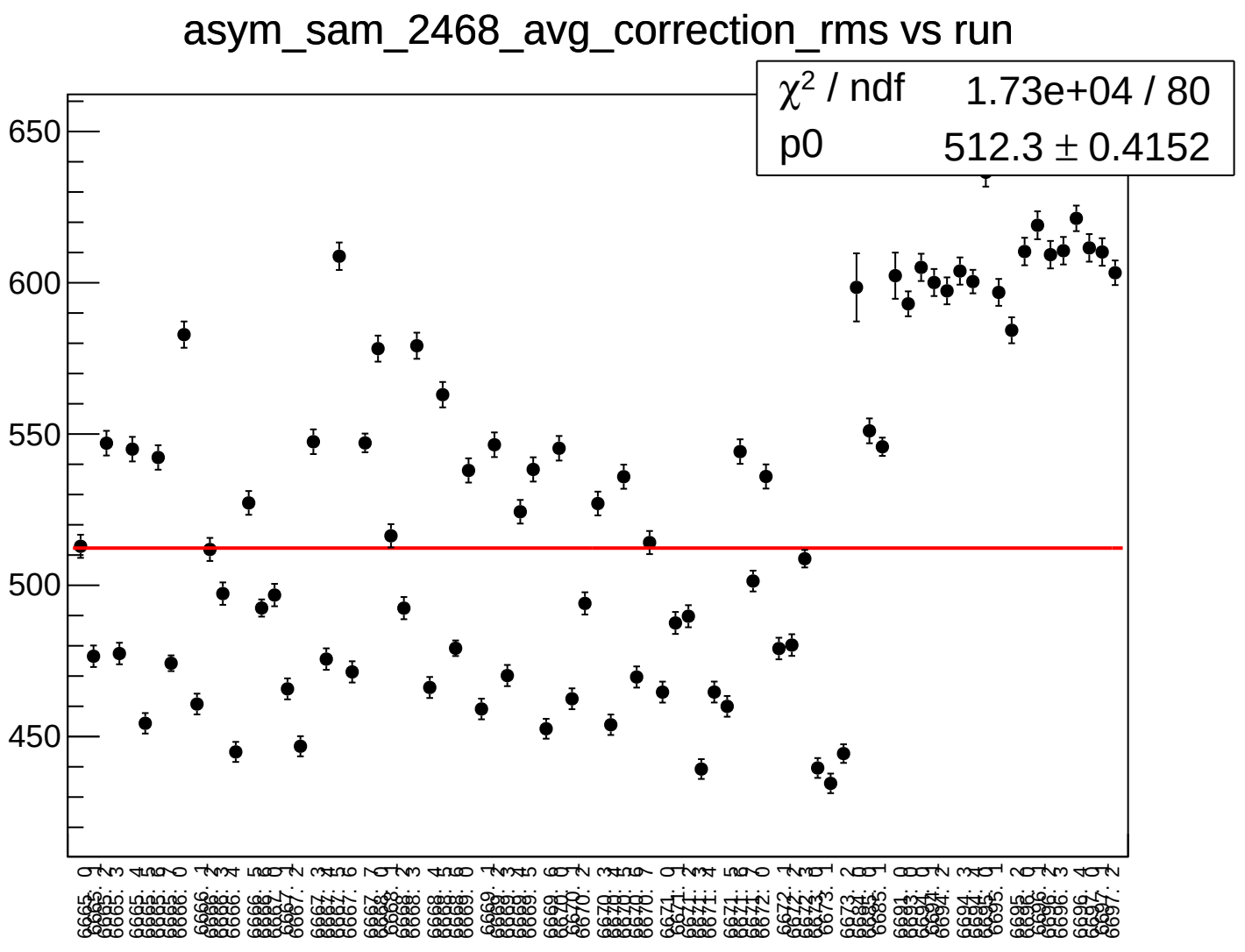

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 97.55 / 80
p0 91.74 ± 93.02
pull
Entries 81
Mean 73.42
Std Dev 63.91

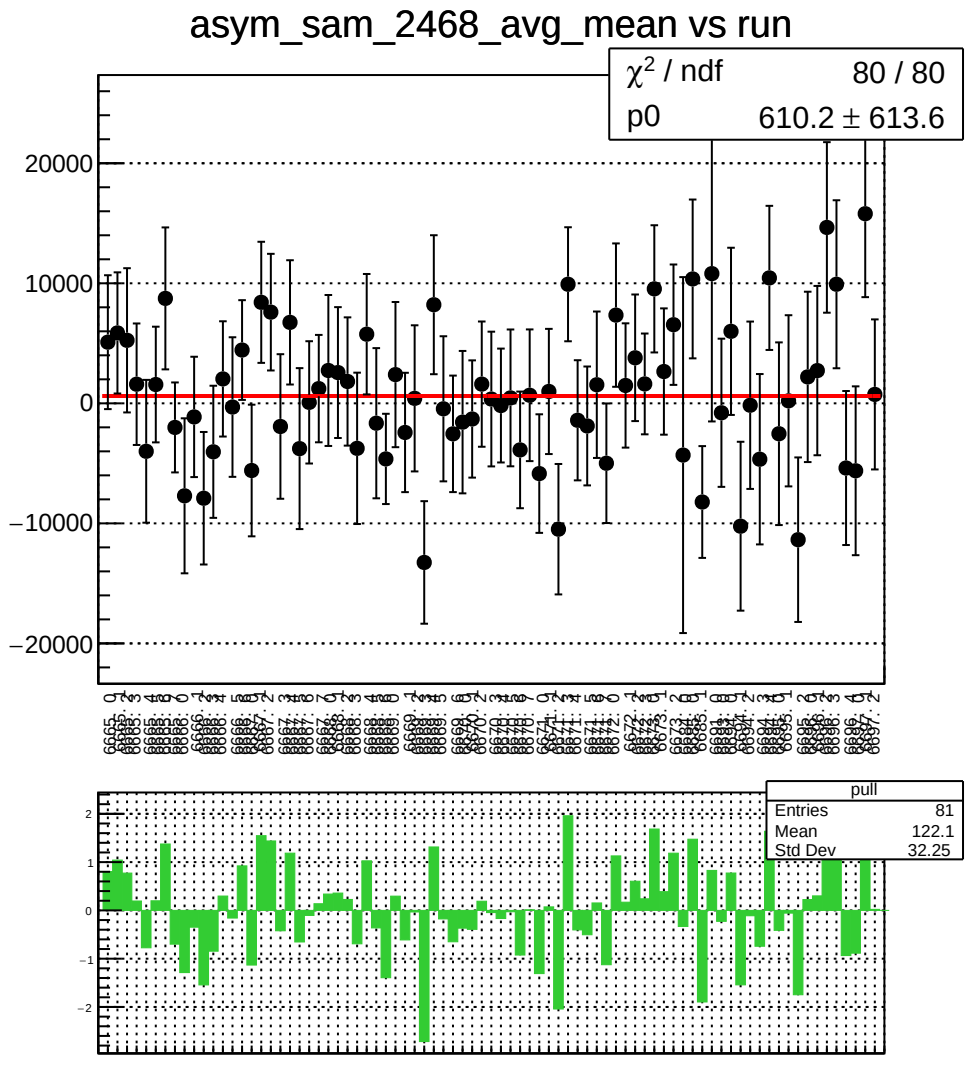

pull1D
Entries 81
Mean −0.01149
Std Dev 1.097

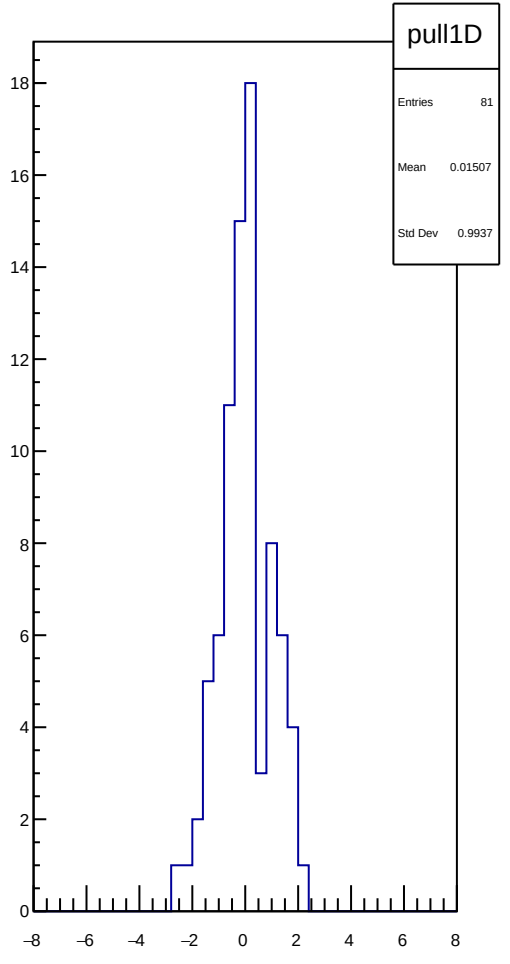

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 6.332e+04 / 80
p0 79.92 ± 0.06577
150
140
130
120
110
100
90
80
70
60

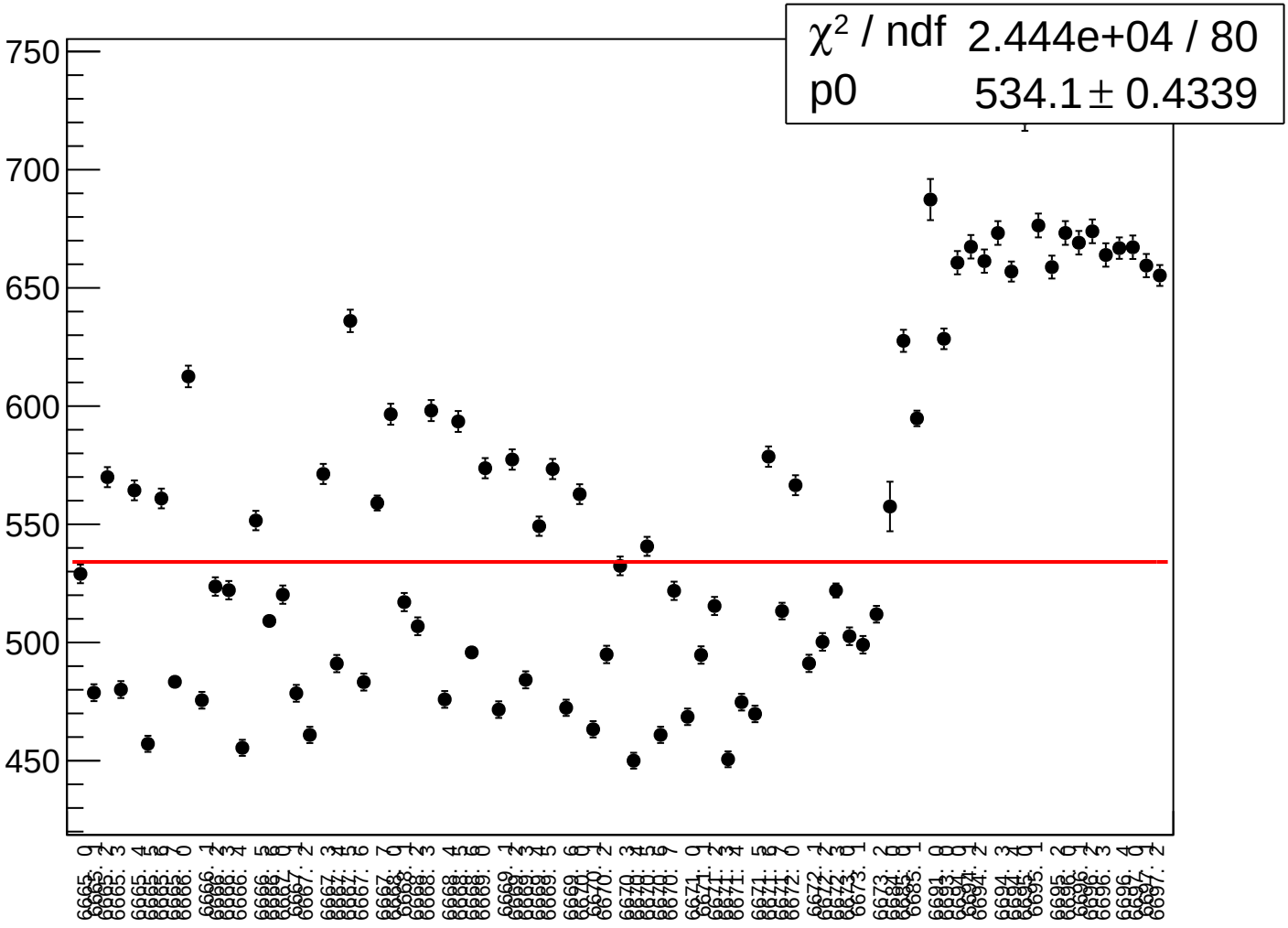

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 75.69 / 80
p0 −544 ± 587.2
pull
Entries 81
Mean 135.7
Std Dev 60.42

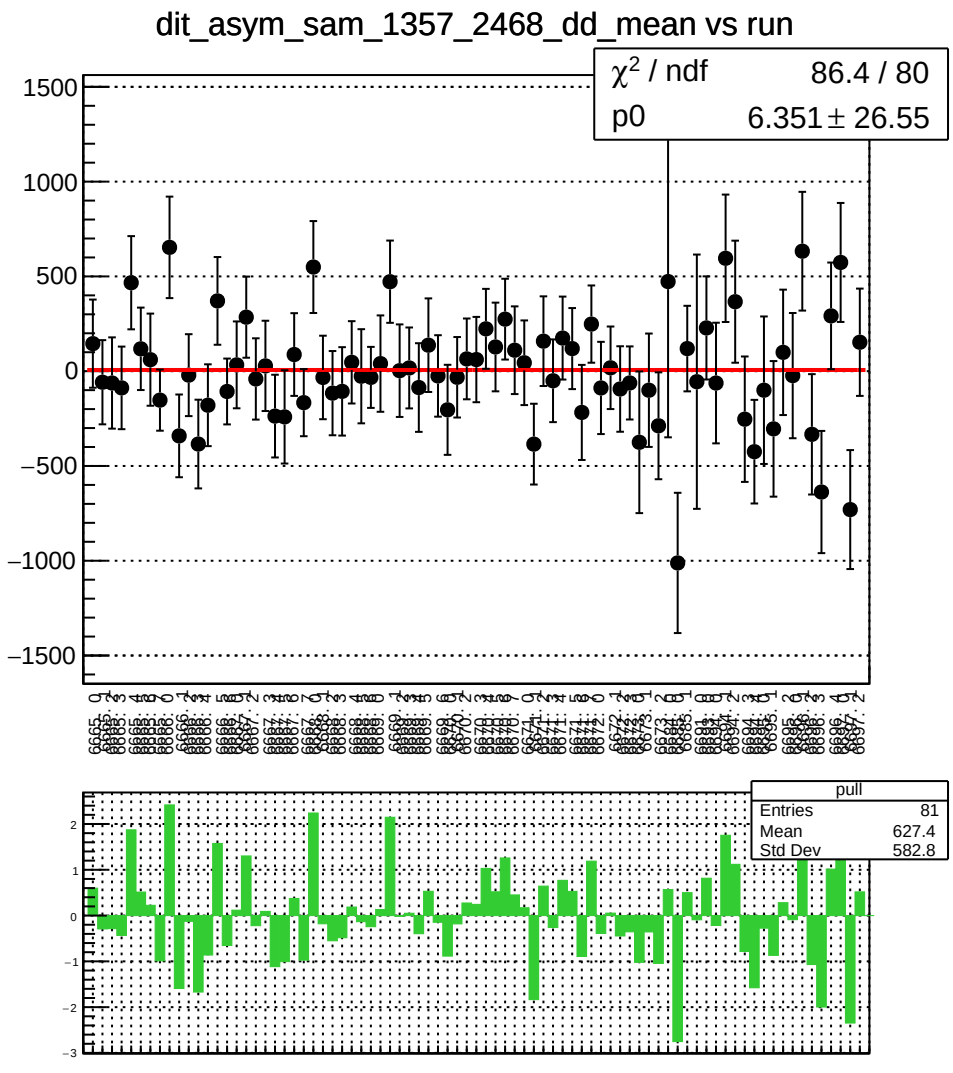

pull1D
Entries 81
Mean −0.01505
Std Dev 0.9666

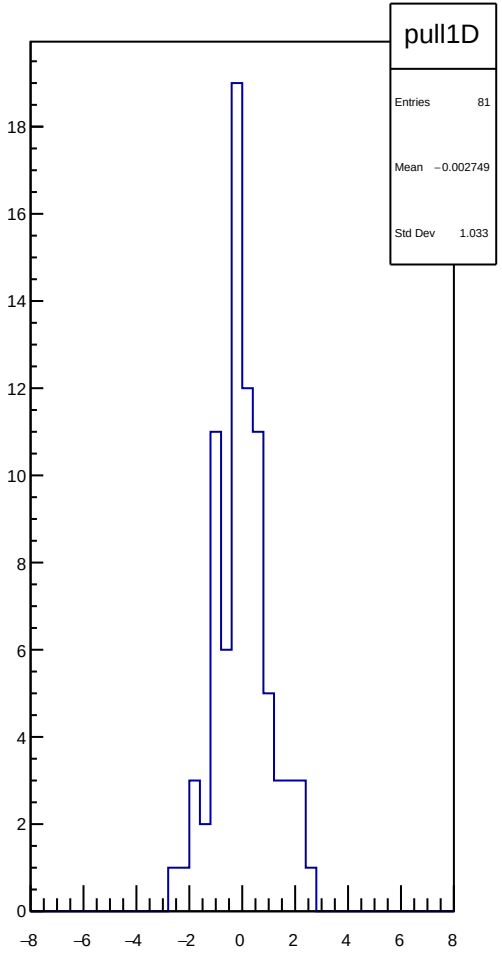

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1.73e+04 / 80
p0 512.3 ± 0.4152
650
600
550
500
450

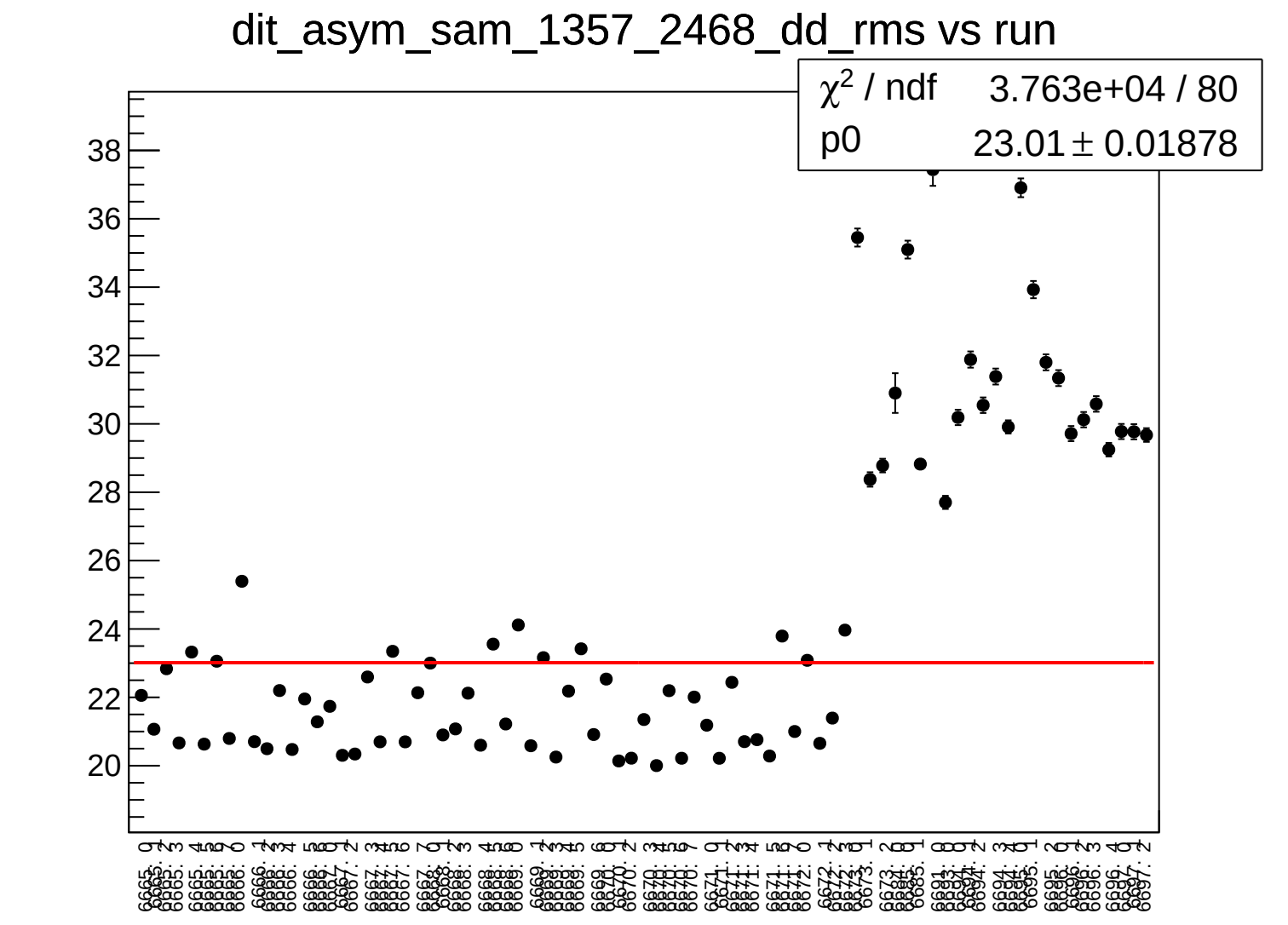

asym_sam_2468_avg_mean vs run
χ² / ndf 80 / 80
p0 610.2 ± 613.6
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 122.1
Std Dev 32.25
2
1
0
−1
−2

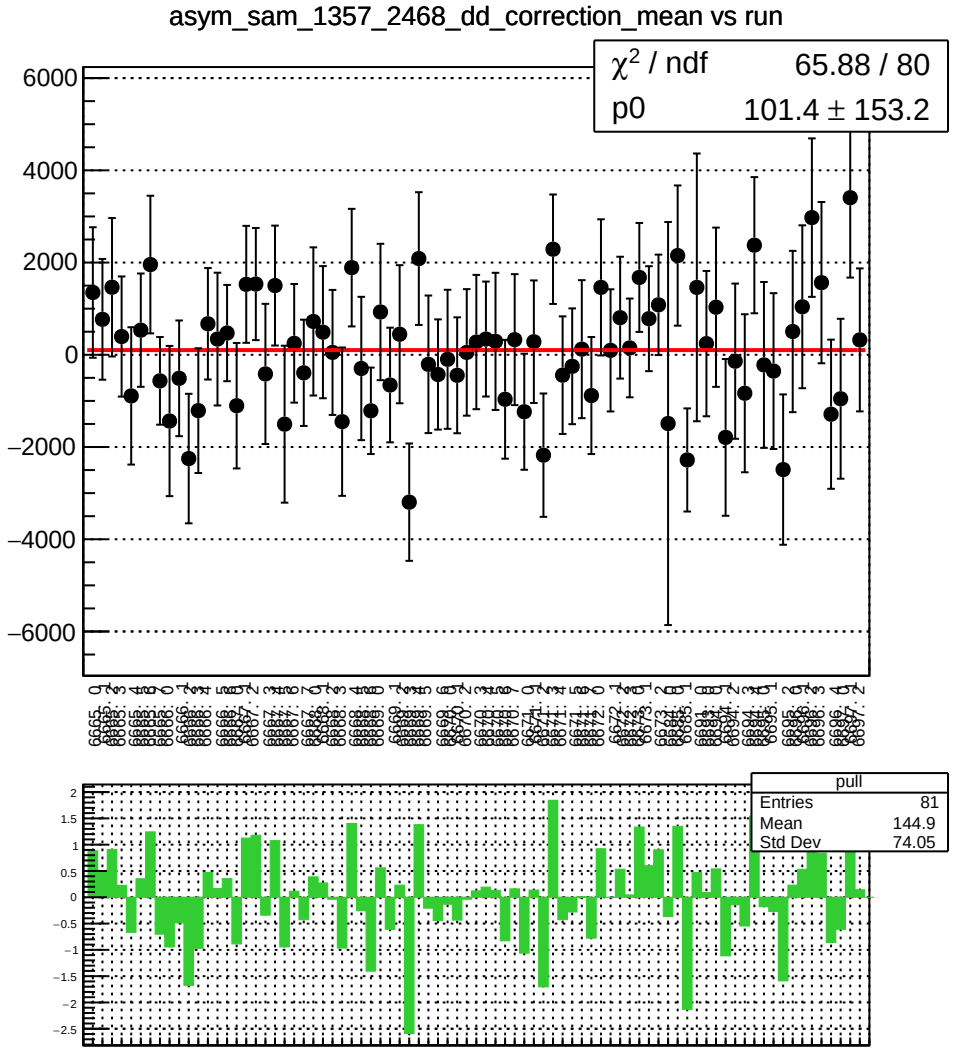

pull1D
Entries 81
Mean 0.01507
Std Dev 0.9937
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

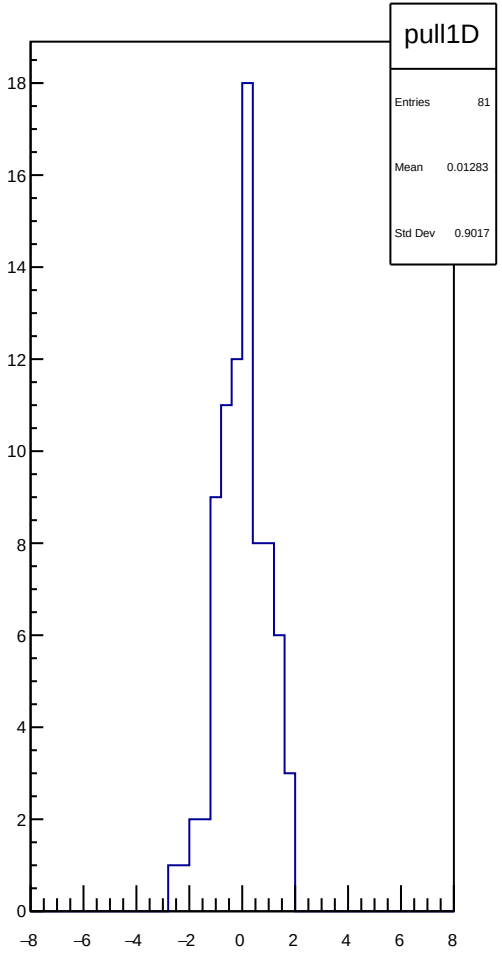

asym_sam_2468_avg_rms vs run
χ² / ndf 2.444e+04 / 80
p0 534.1 ± 0.4339
750
700
650
600
550
500
450

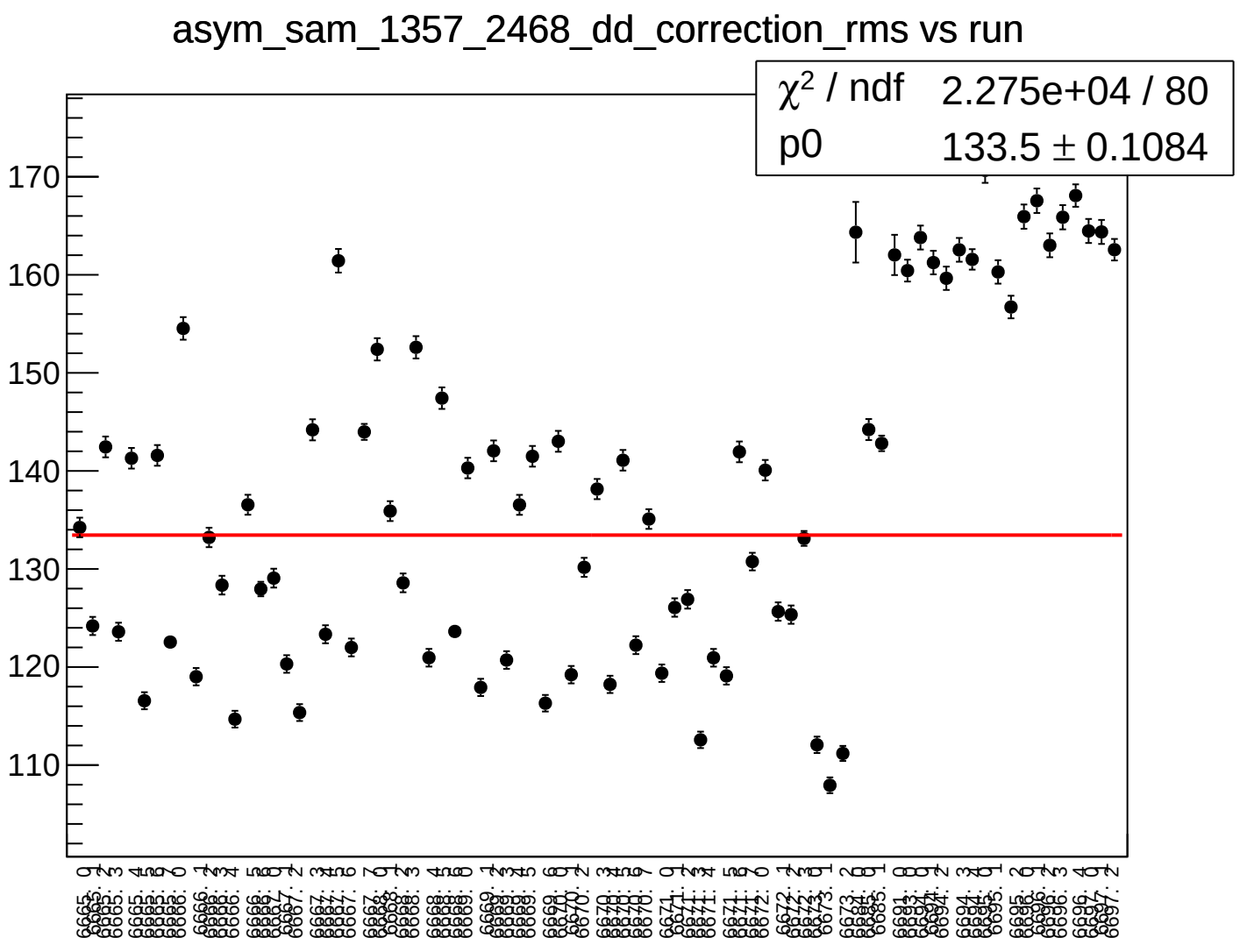

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 86.4 / 80
p0 6.351 ± 26.55
pull
Entries 81
Mean 627.4
Std Dev 582.8

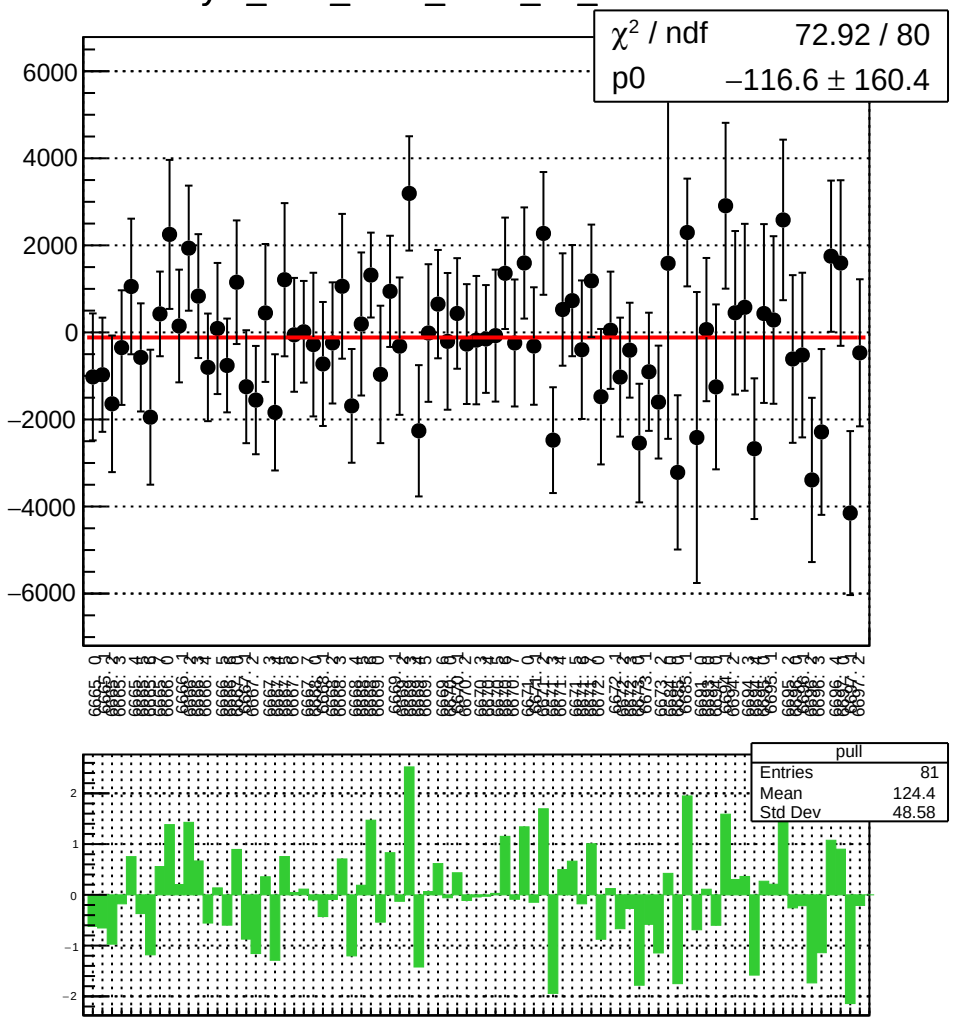

pull1D
Entries 81
Mean −0.002749
Std Dev 1.033

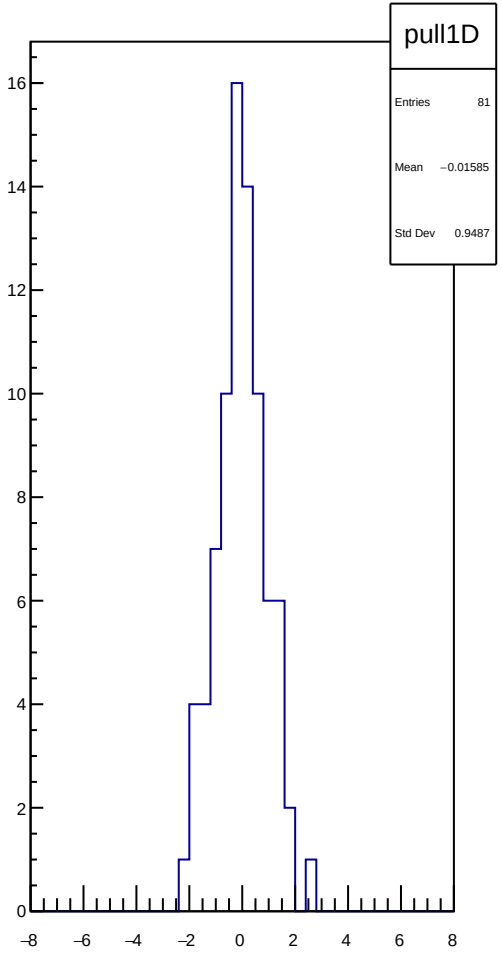

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.763e+04 / 80
p0 23.01 ± 0.01878
38
36
34
32
30
28
26
24
22
20

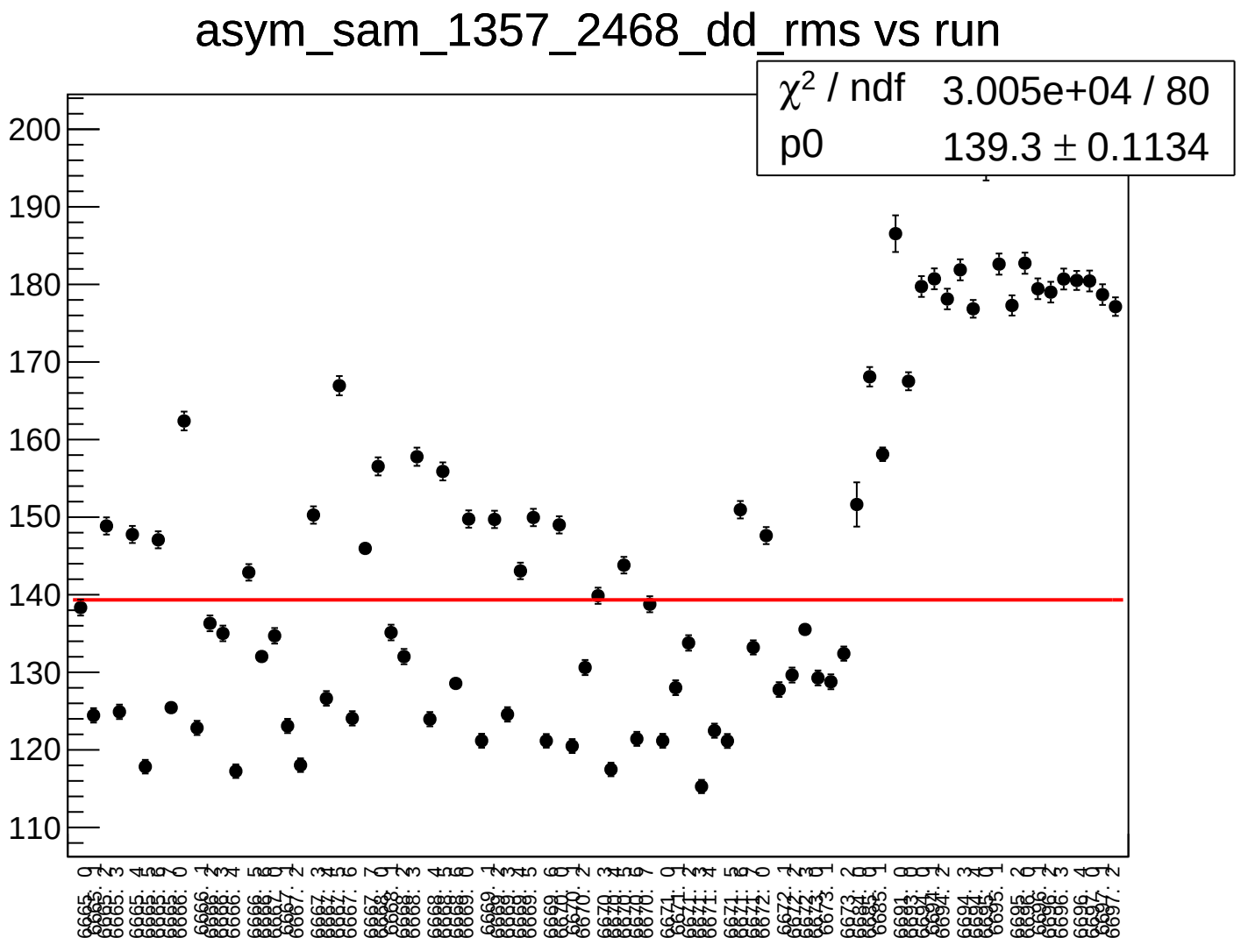

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 65.88 / 80
p0 101.4 ± 153.2
pull
Entries 81
Mean 144.9
Std Dev 74.05

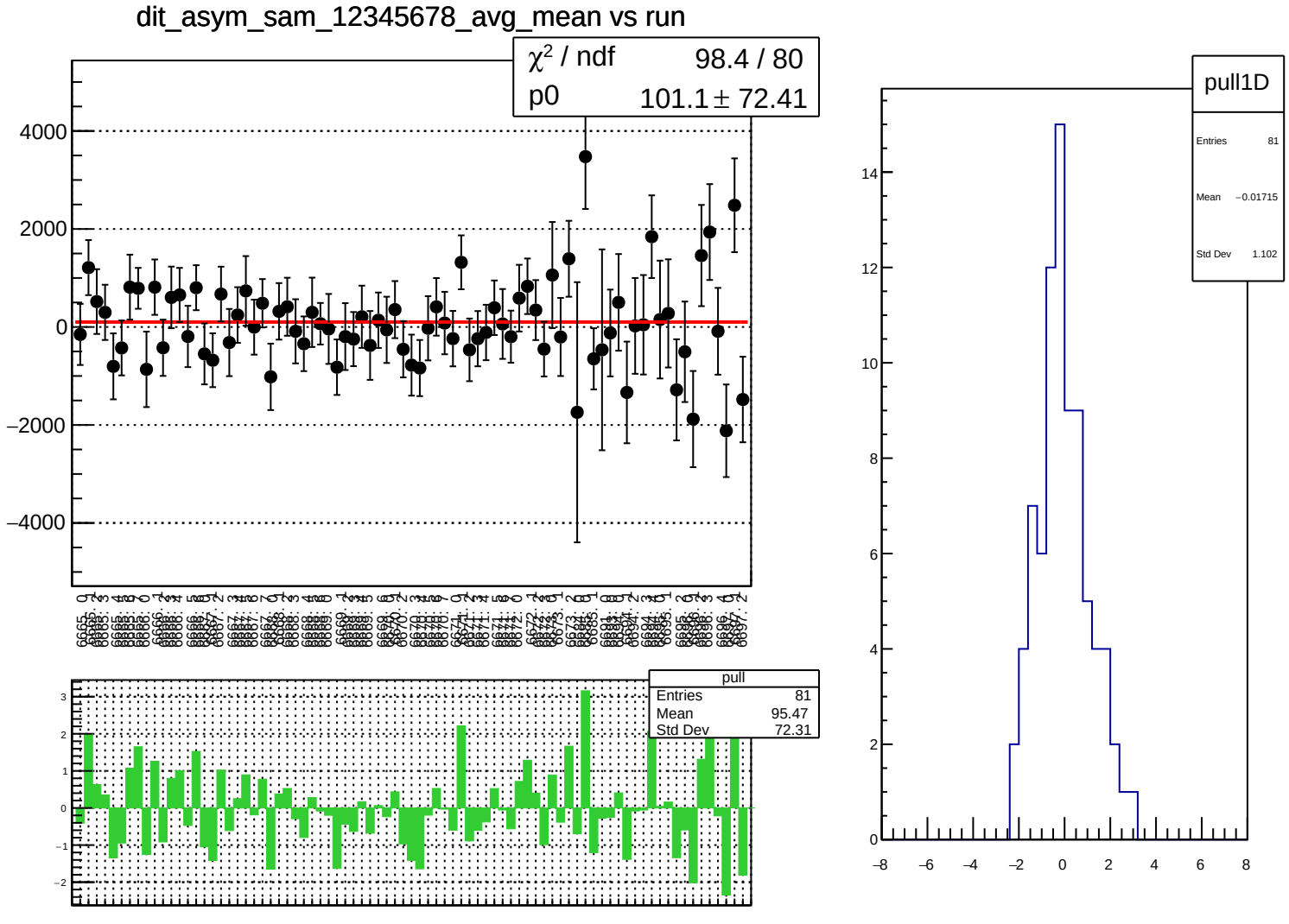

pull1D
Entries 81
Mean 0.01283
Std Dev 0.9017

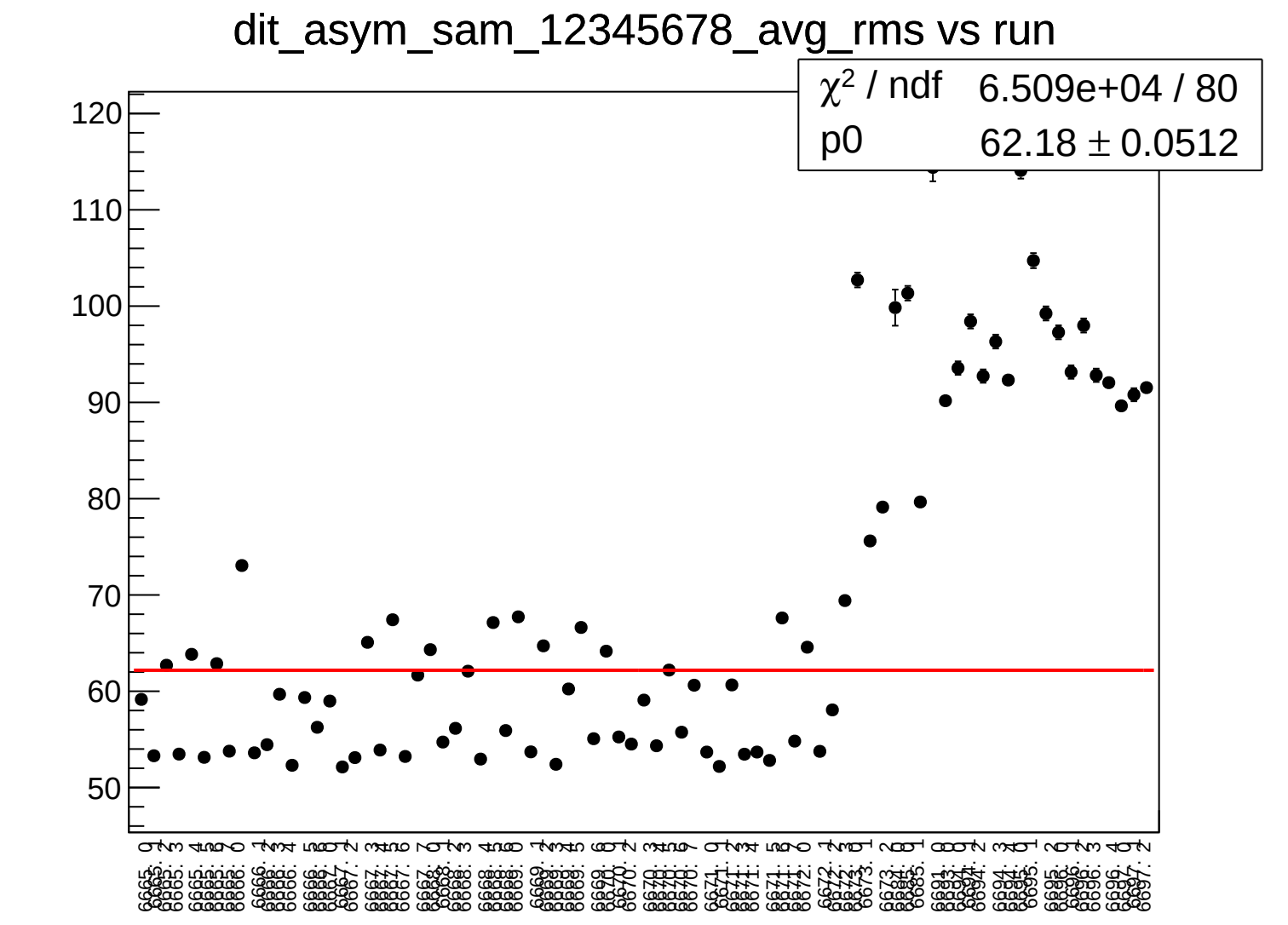

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2.275e+04 / 80
p0 133.5 ± 0.1084
170
160
150
140
130
120
110

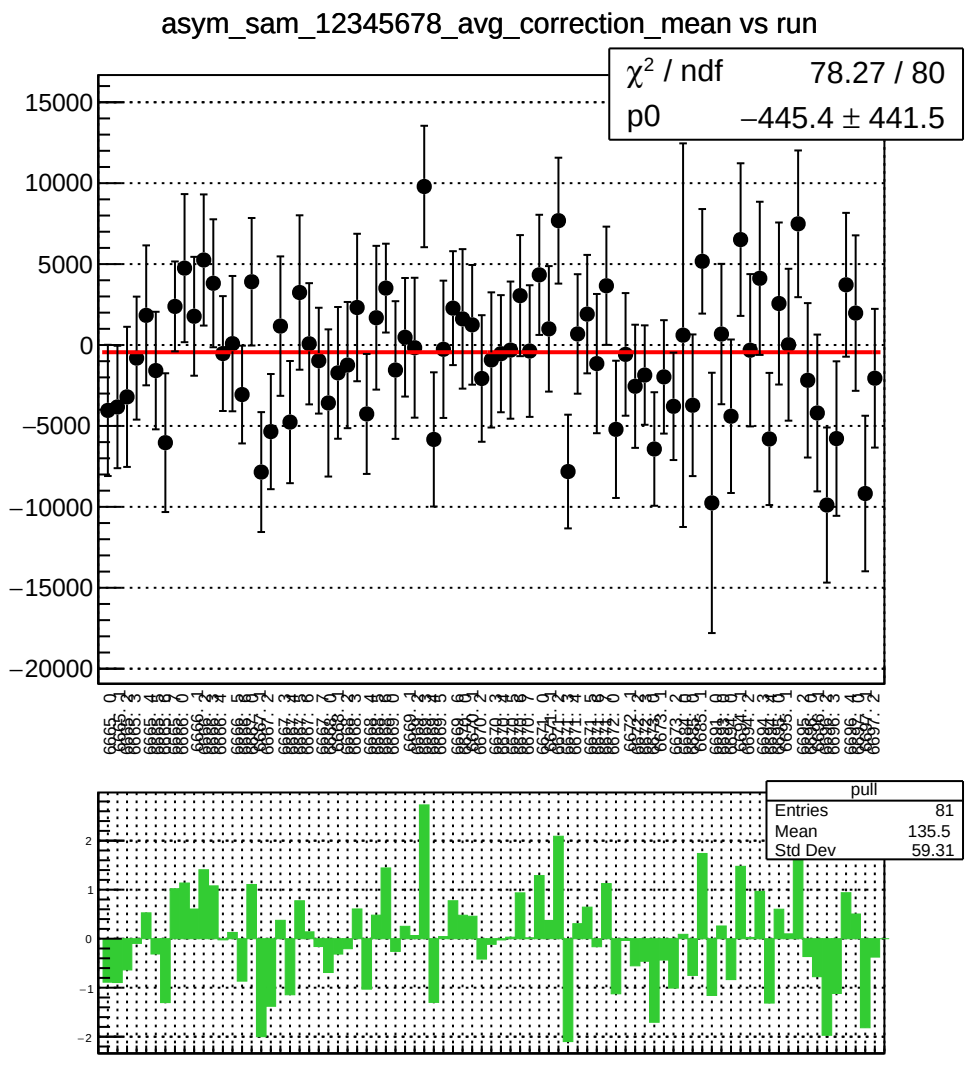

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 72.92 / 80
p0 −116.6 ± 160.4
pull
Entries 81
Mean 124.4
Std Dev 48.58

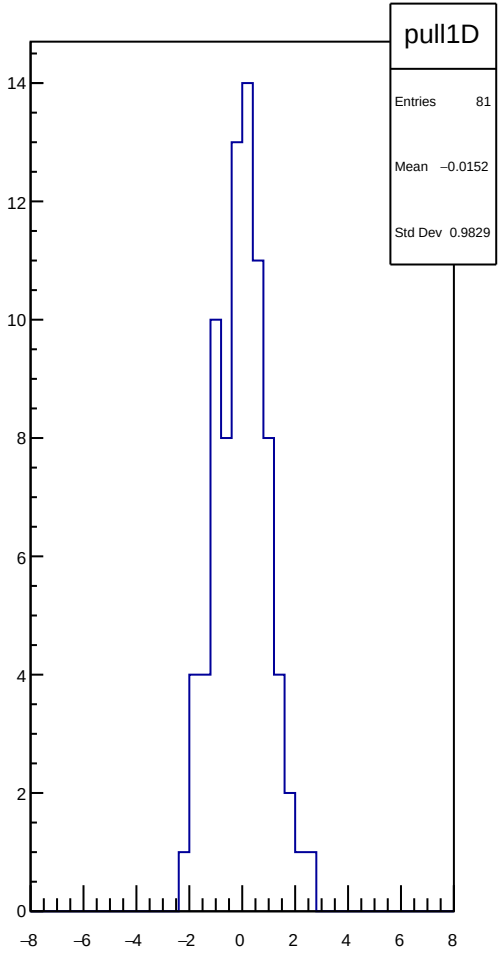

pull1D
Entries 81
Mean −0.01585
Std Dev 0.9487

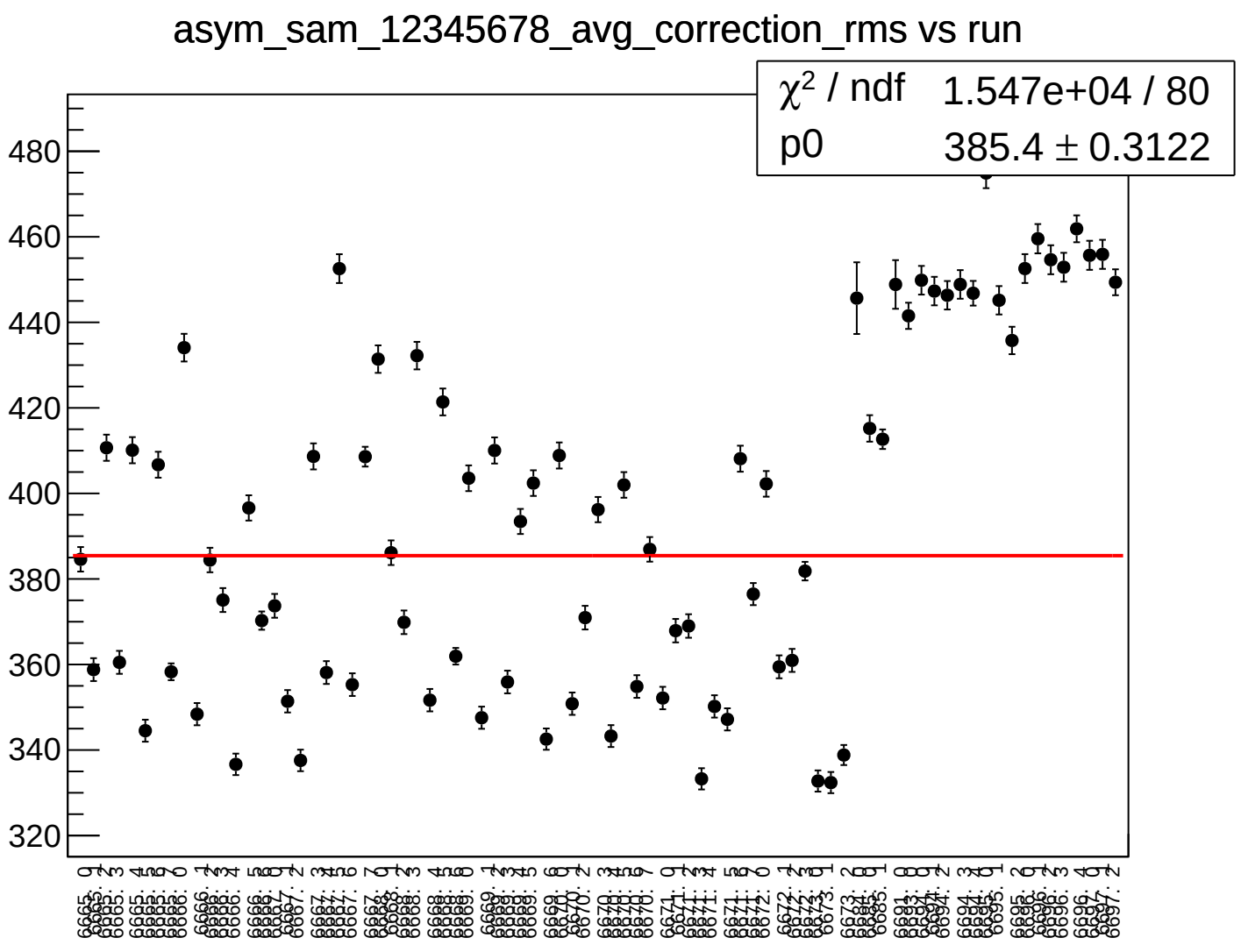

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.005e+04 / 80
p0 139.3 ± 0.1134
200
190
180
170
160
150
140
130
120
110

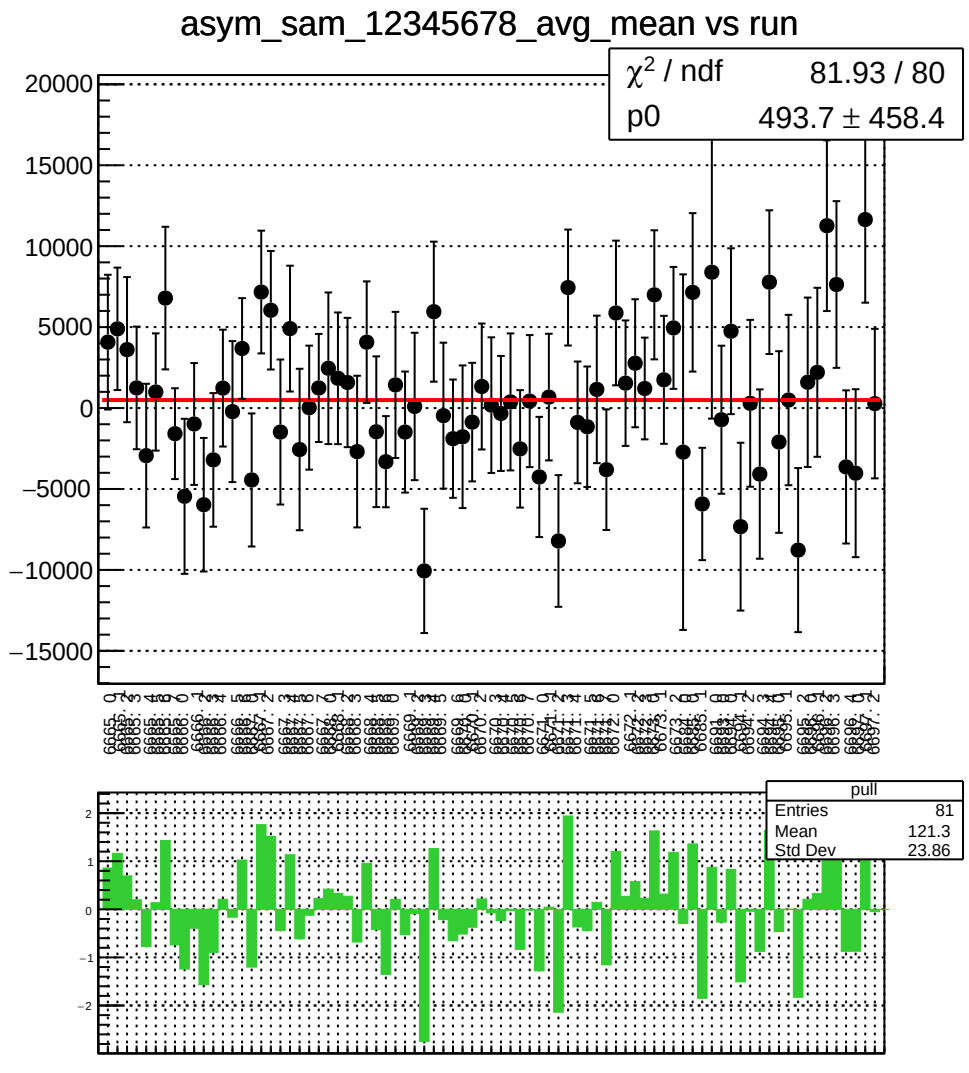

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 98.4 / 80
p0 101.1 ± 72.41
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 95.47
Std Dev 72.31
pull1D
Entries 81
Mean −0.01715
Std Dev 1.102
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

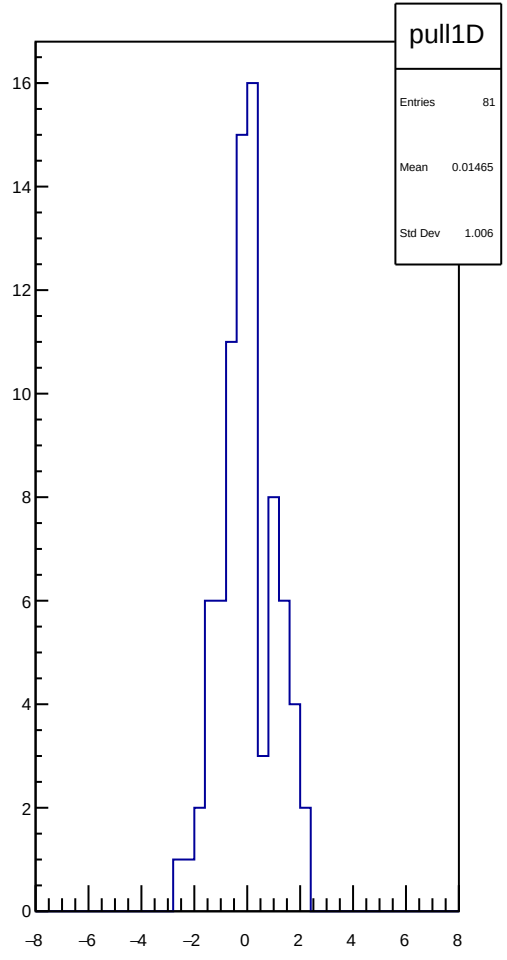

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 6.509e+04 / 80
p0 62.18 ± 0.0512
120
110
100
90
80
70
60
50

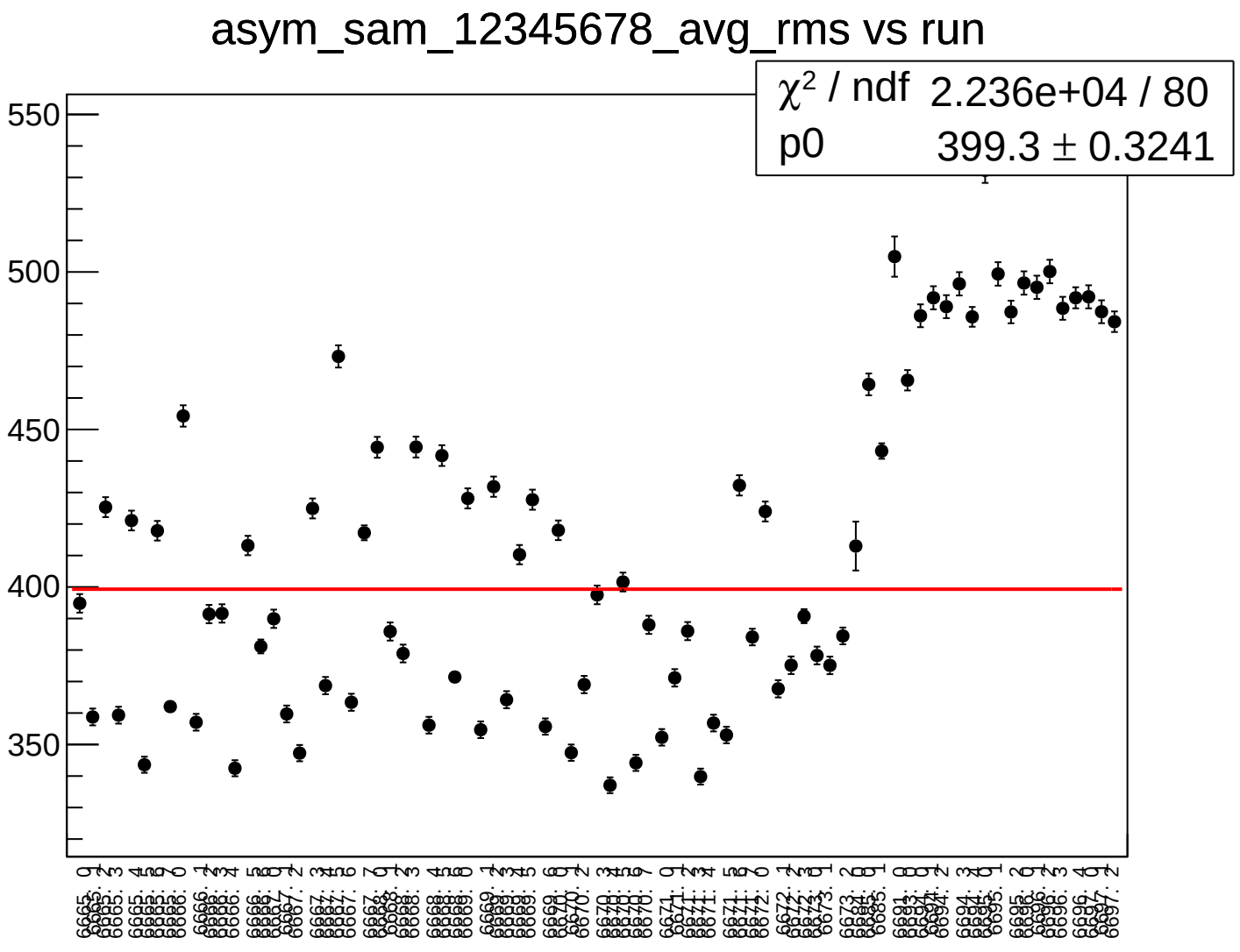

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 78.27 / 80
p0 −445.4 ± 441.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 81
Mean 135.5
Std Dev 59.31
2
1
0
−1
−2

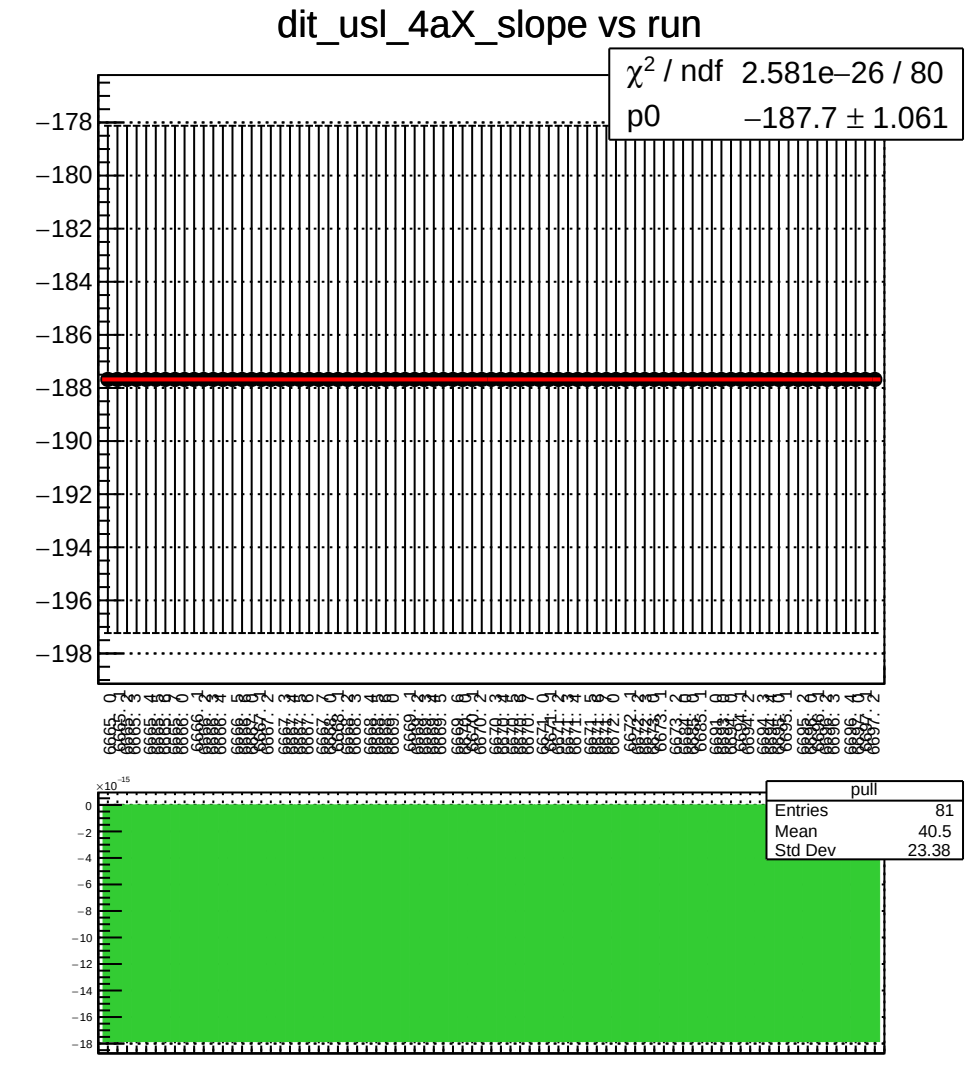

pull1D
Entries 81
Mean −0.0152
Std Dev 0.9829
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

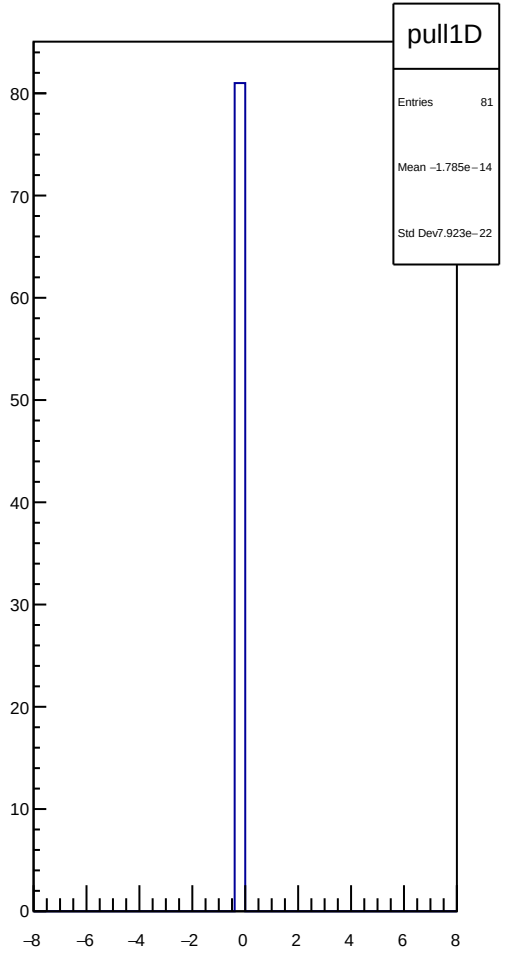

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1.547e+04 / 80
p0 385.4 ± 0.3122
480
460
440
420
400
380
360
340
320

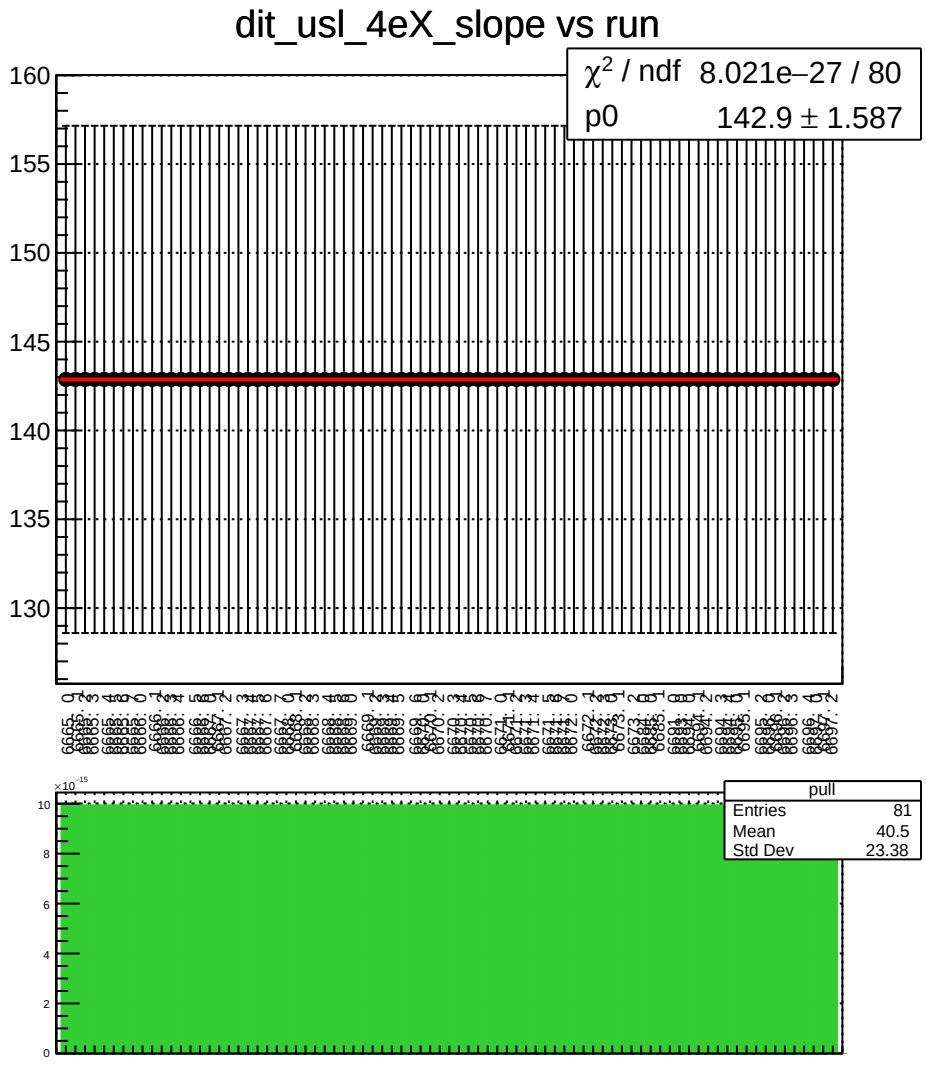

asym_sam_12345678_avg_mean vs run
χ² / ndf 81.93 / 80
p0 493.7 ± 458.4
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 121.3
Std Dev 23.86
2
1
0
−1
−2

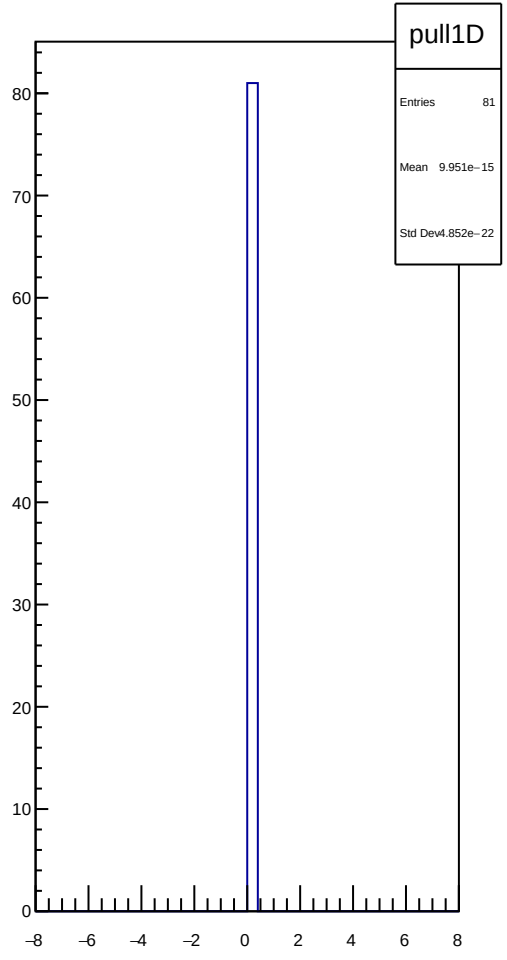

pull1D
Entries 81
Mean 0.01465
Std Dev 1.006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

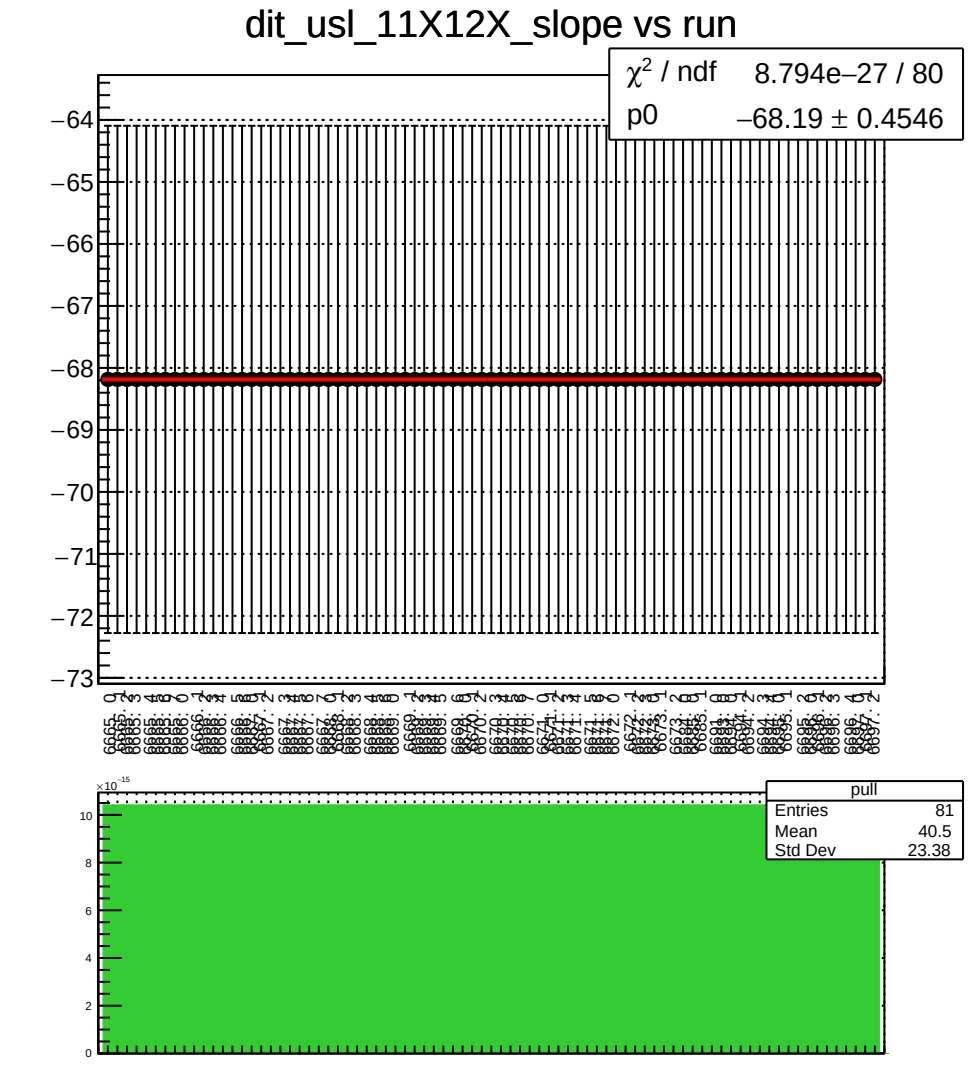

asym_sam_12345678_avg_rms vs run
χ² / ndf 2.236e+04 / 80
p0 399.3 ± 0.3241
550
500
450
400
350

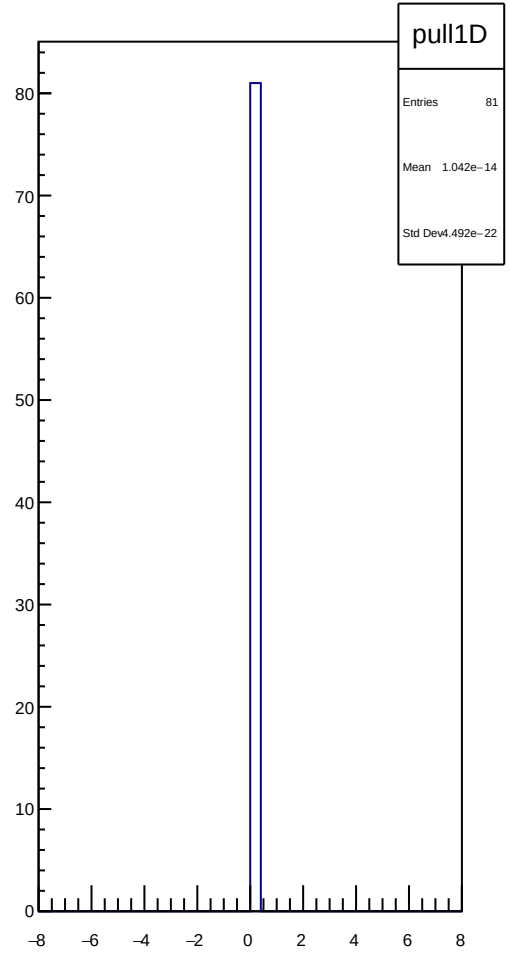

dit_usl_4aX_slope vs run
χ² / ndf 2.581e−26 / 80
p0 −187.7 ± 1.061
−178
−180
−182
−184
−186
−188
−190
−192
−194
−196
−198
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

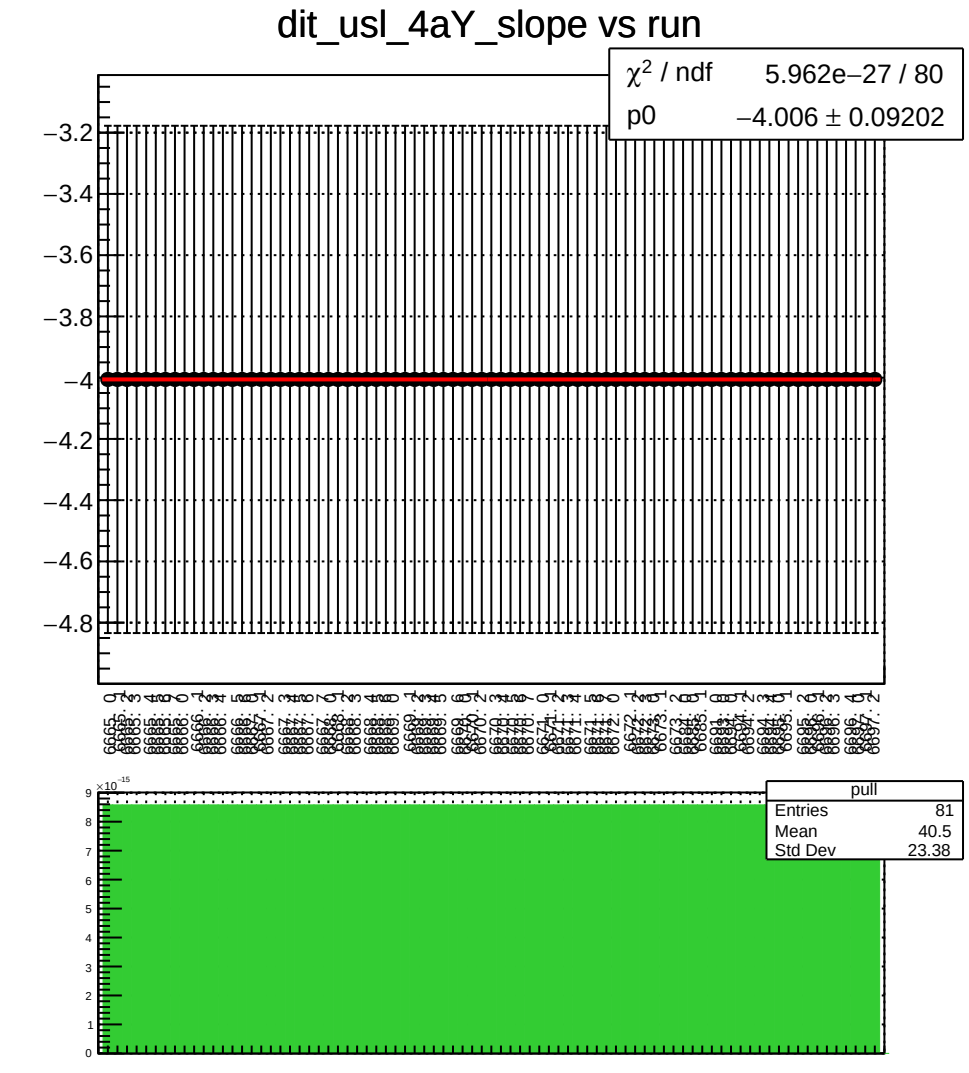

pull1D
Entries 81
Mean −1.785e−14
Std Dev7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

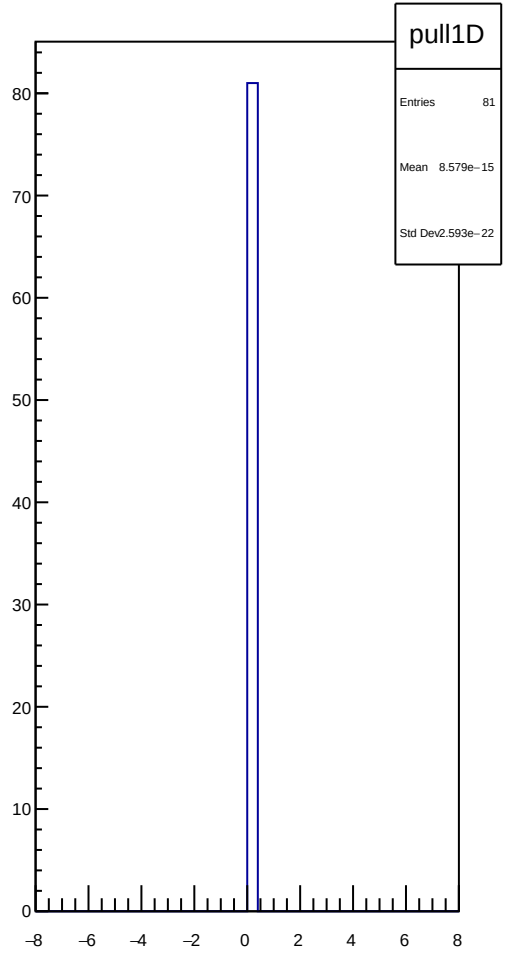

dit_usl_4eX_slope vs run
χ² / ndf 8.021e−27 / 80
p0 142.9 ± 1.587
160
155
150
145
140
135
130
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
10
8
6
4
2
0

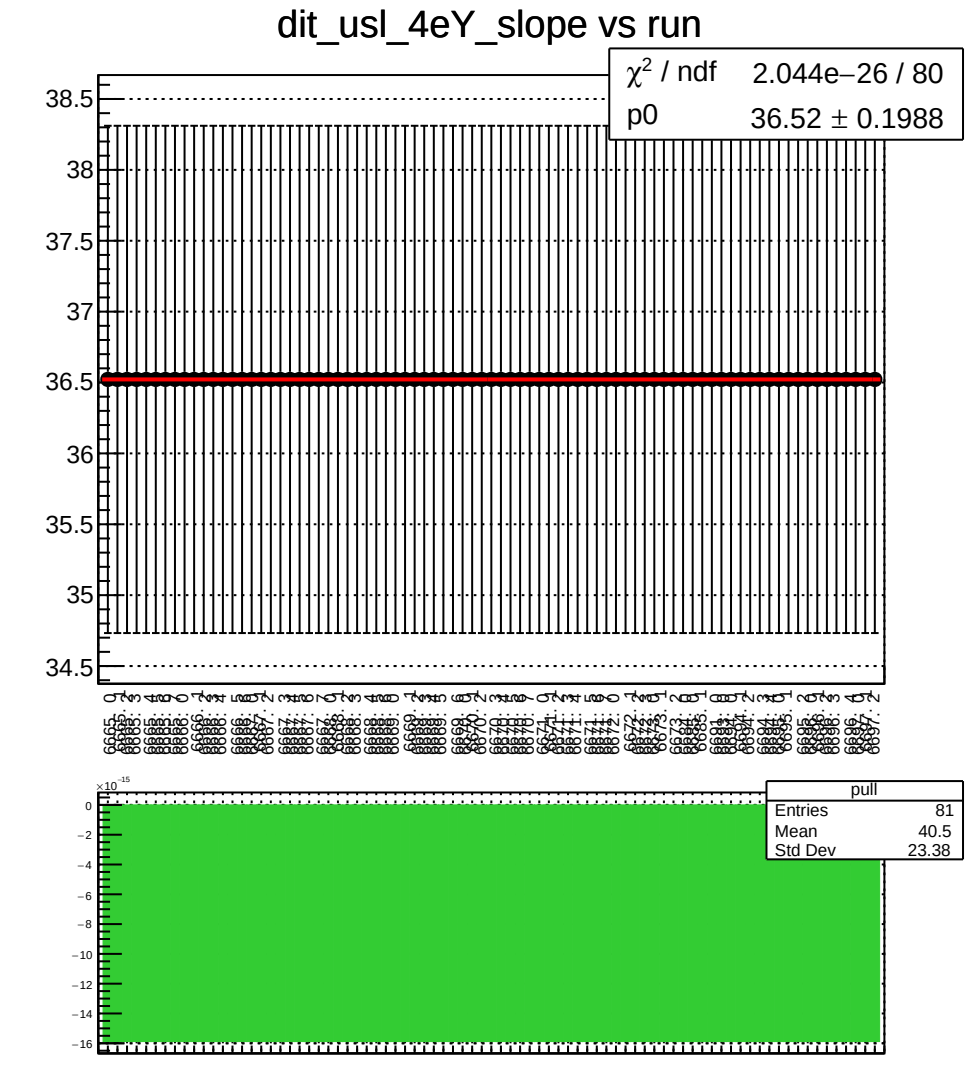

pull1D
Entries 81
Mean 9.951e−15
Std Dev 4.852e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

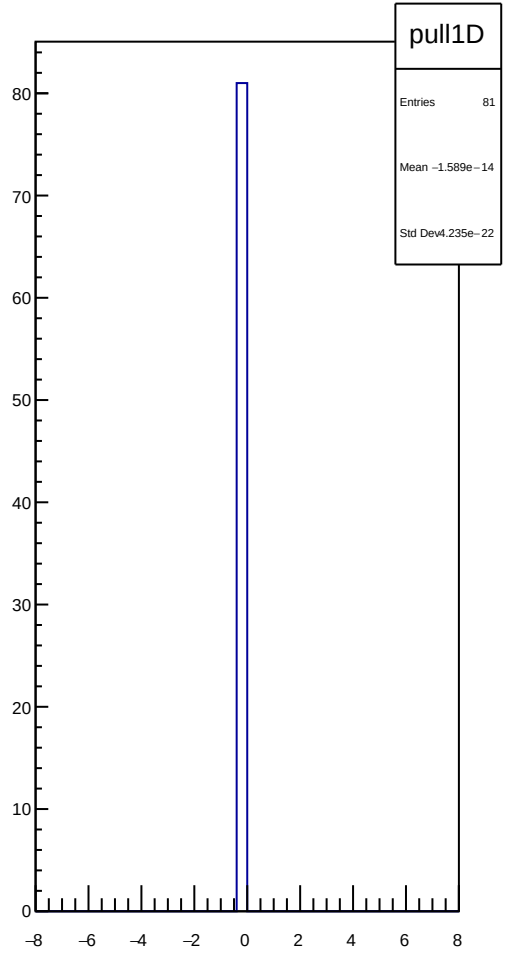

dit_usl_11X12X_slope vs run
χ² / ndf 8.794e−27 / 80
p0 −68.19 ± 0.4546
pull
Entries 81
Mean 40.5
Std Dev 23.38

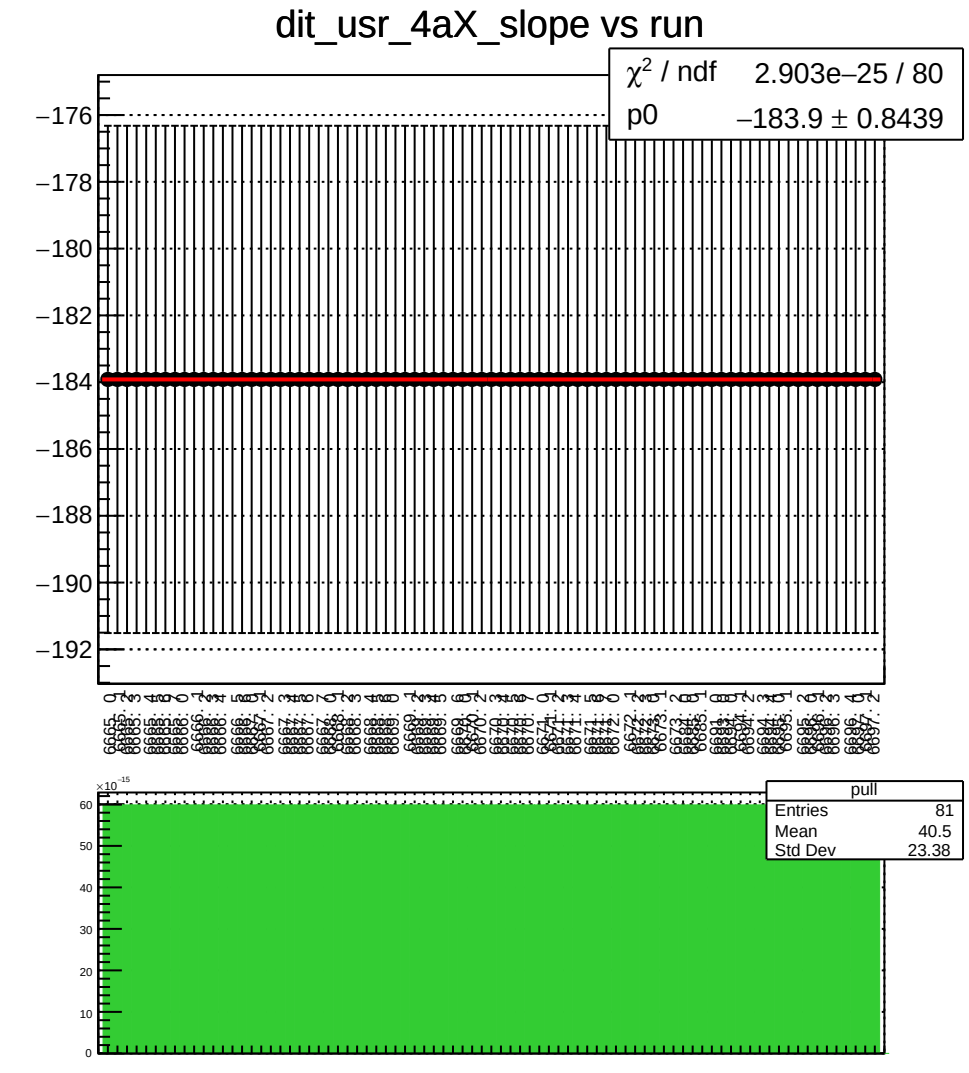

pull1D
Entries 81
Mean 1.042e−14
Std Dev 4.492e−22

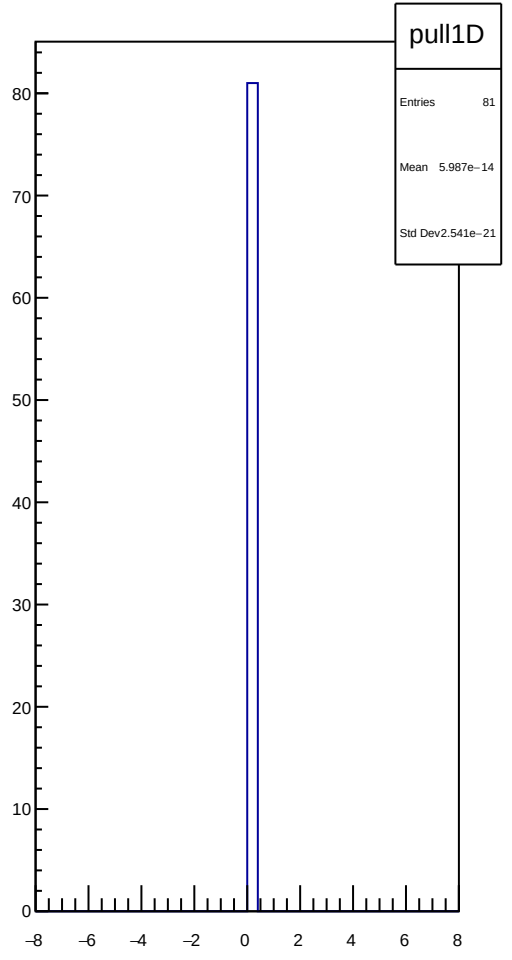

dit_usl_4aY_slope vs run
χ² / ndf 5.962e−27 / 80
p0 −4.006 ± 0.09202
−3.2
−3.4
−3.6
−3.8
−4
−4.2
−4.4
−4.6
−4.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
9
8
7
6
5
4
3
2
1
0

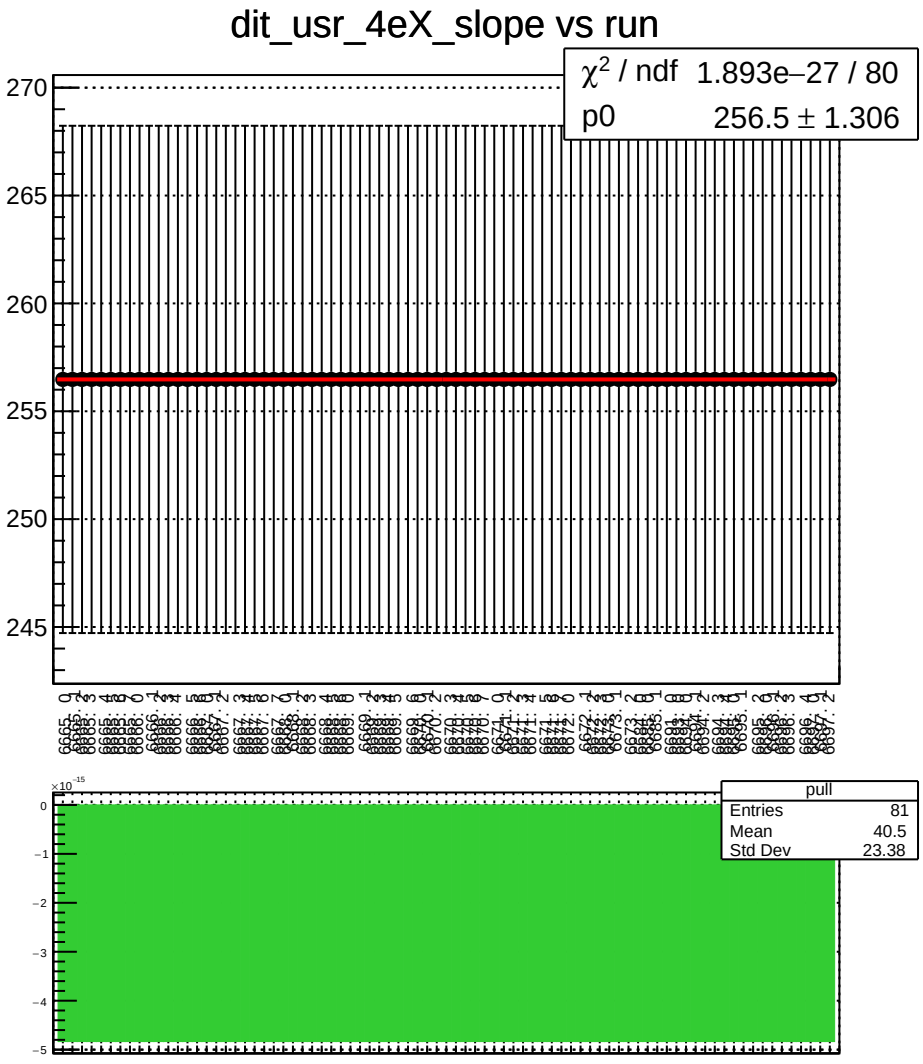

pull1D
Entries 81
Mean 8.579e−15
Std Dev 2.593e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

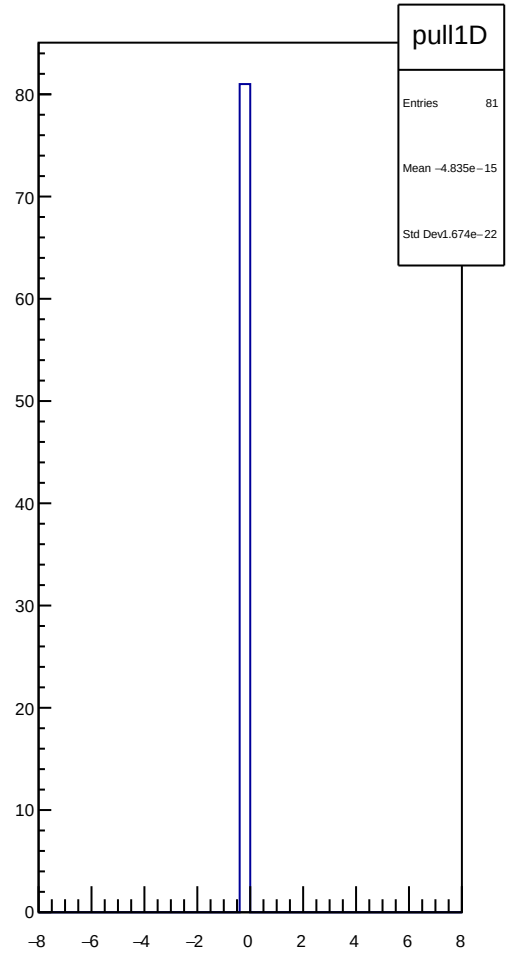

dit_usl_4eY_slope vs run
χ² / ndf 2.044e−26 / 80
p0 36.52 ± 0.1988
38.5
38
37.5
37
36.5
36
35.5
35
34.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

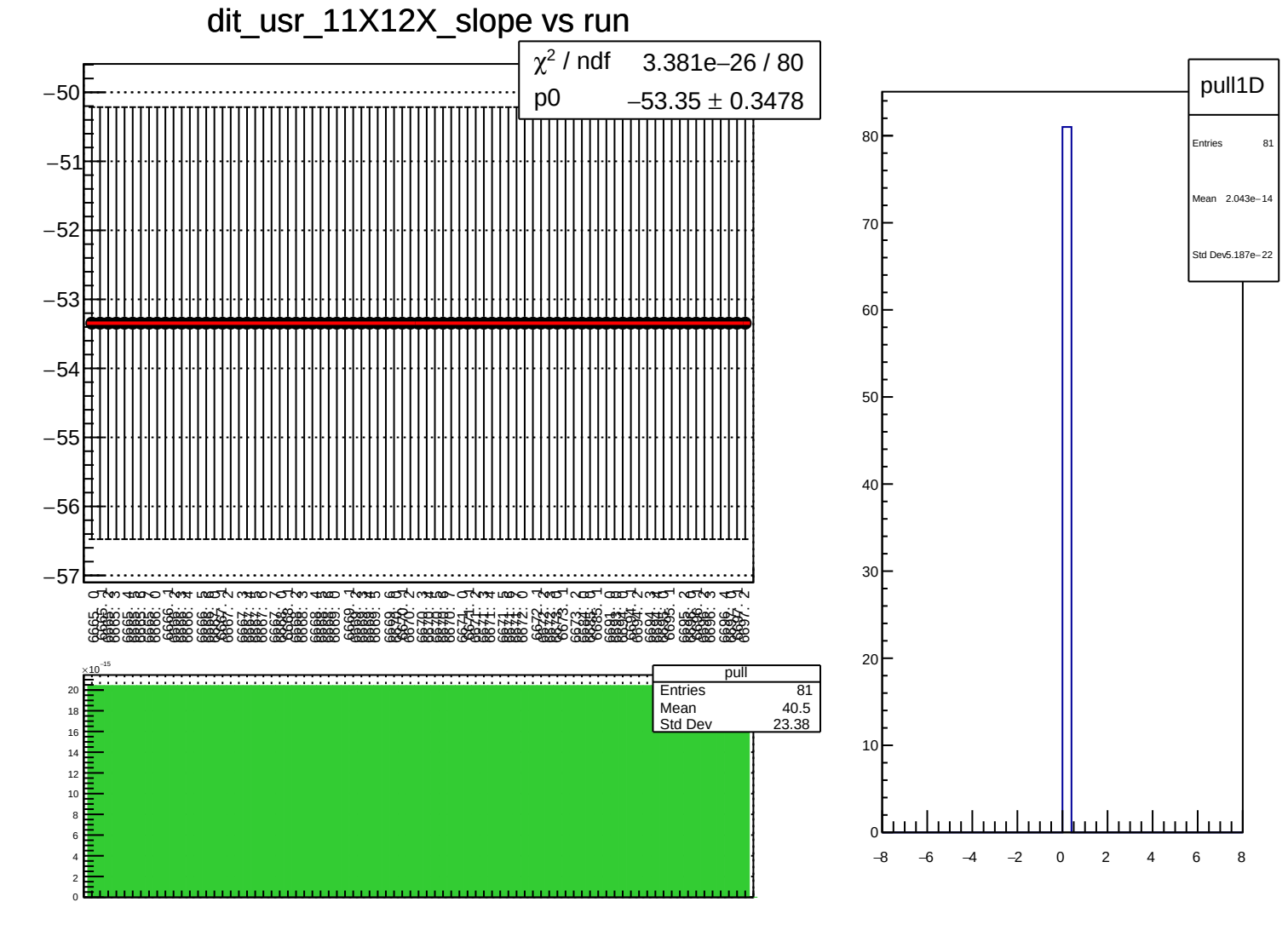

pull1D
Entries 81
Mean −1.589e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

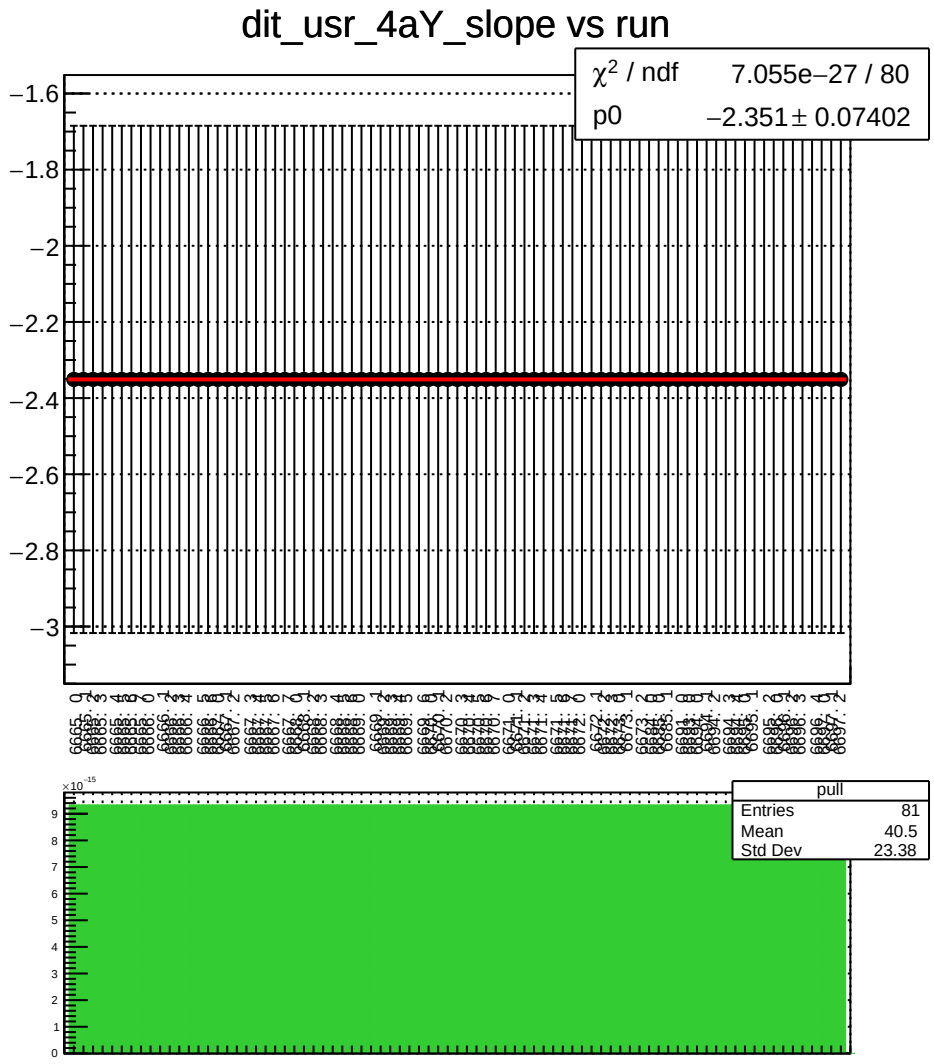

dit_usr_4aX_slope vs run
χ² / ndf 2.903e−25 / 80
p0 −183.9 ± 0.8439
−176
−178
−180
−182
−184
−186
−188
−190
−192
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
60
50
40
30
20
10
0

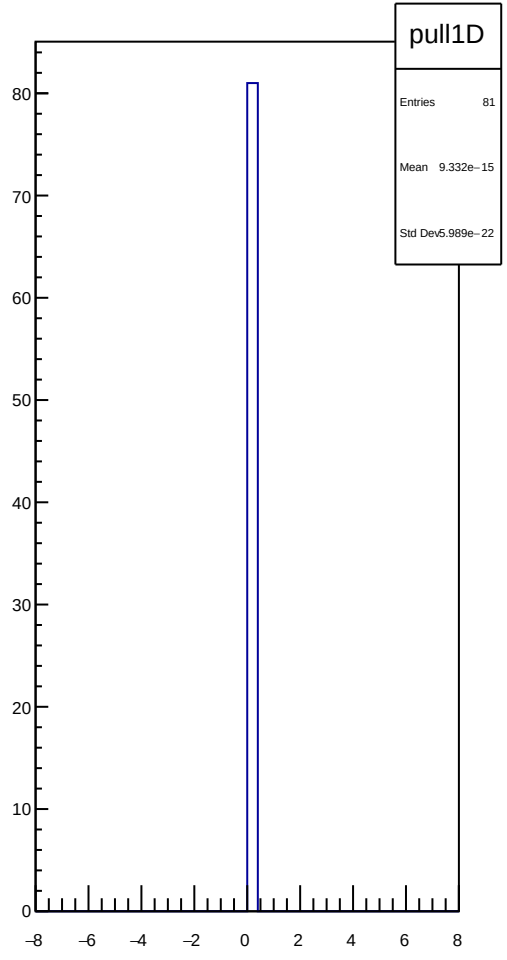

pull1D
Entries 81
Mean 5.987e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

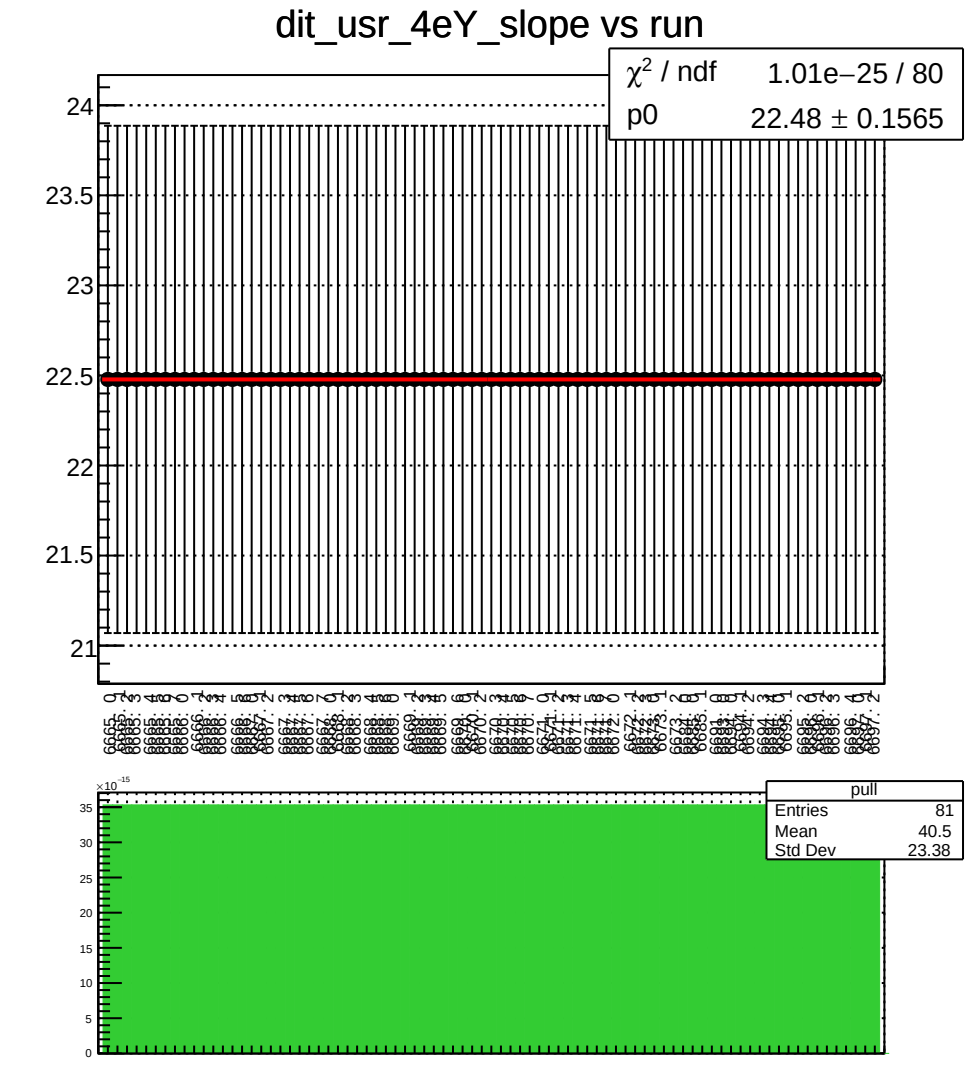

dit_usr_4eX_slope vs run
χ² / ndf 1.893e−27 / 80
p0 256.5 ± 1.306
270
265
260
255
250
245
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−1
−2
−3
−4
−5

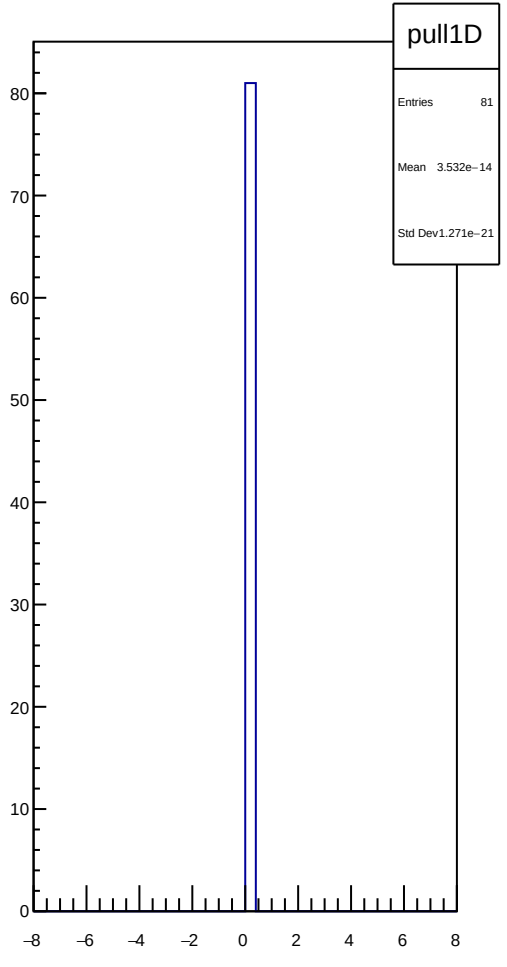

pull1D
Entries 81
Mean −4.835e−15
Std Dev1.674e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

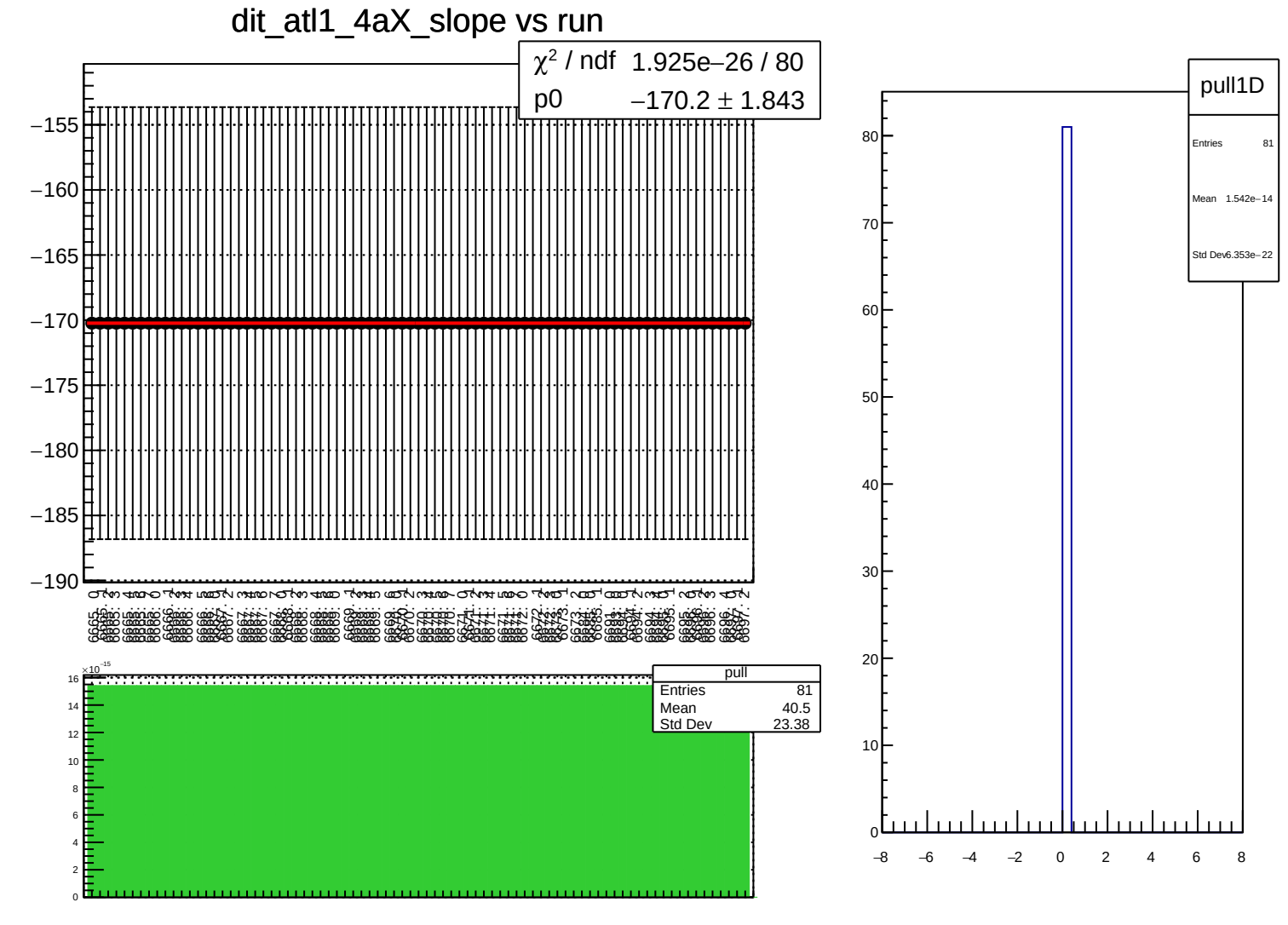

dit_usr_11X12X_slope vs run
χ² / ndf 3.381e−26 / 80
p0 −53.35 ± 0.3478
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.043e−14
Std Dev 5.187e−22

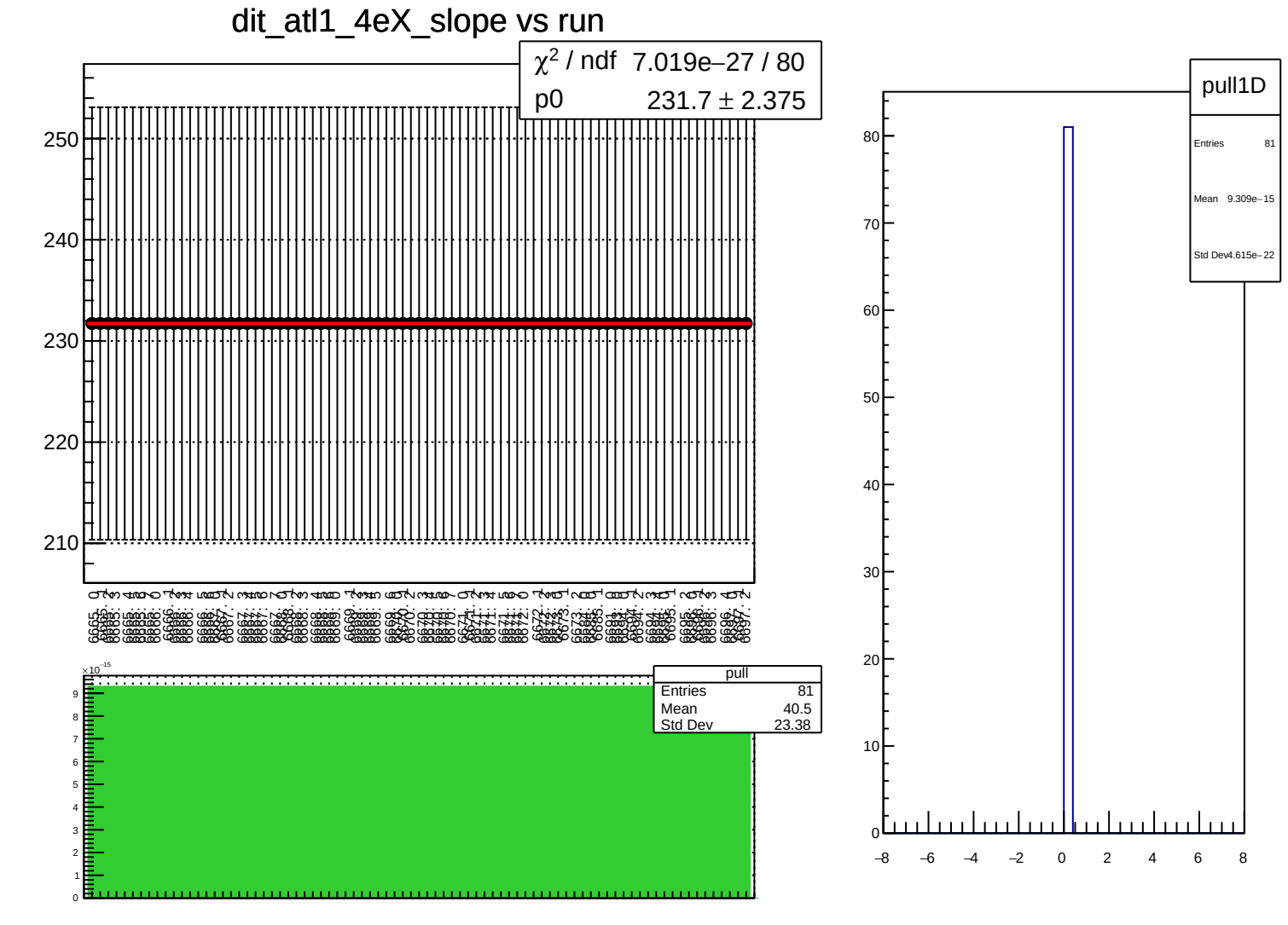

dit_usr_4aY_slope vs run
χ² / ndf 7.055e−27 / 80
p0 −2.351 ± 0.07402
−1.6
−1.8
−2
−2.2
−2.4
−2.6
−2.8
−3
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
9
8
7
6
5
4
3
2
1
0

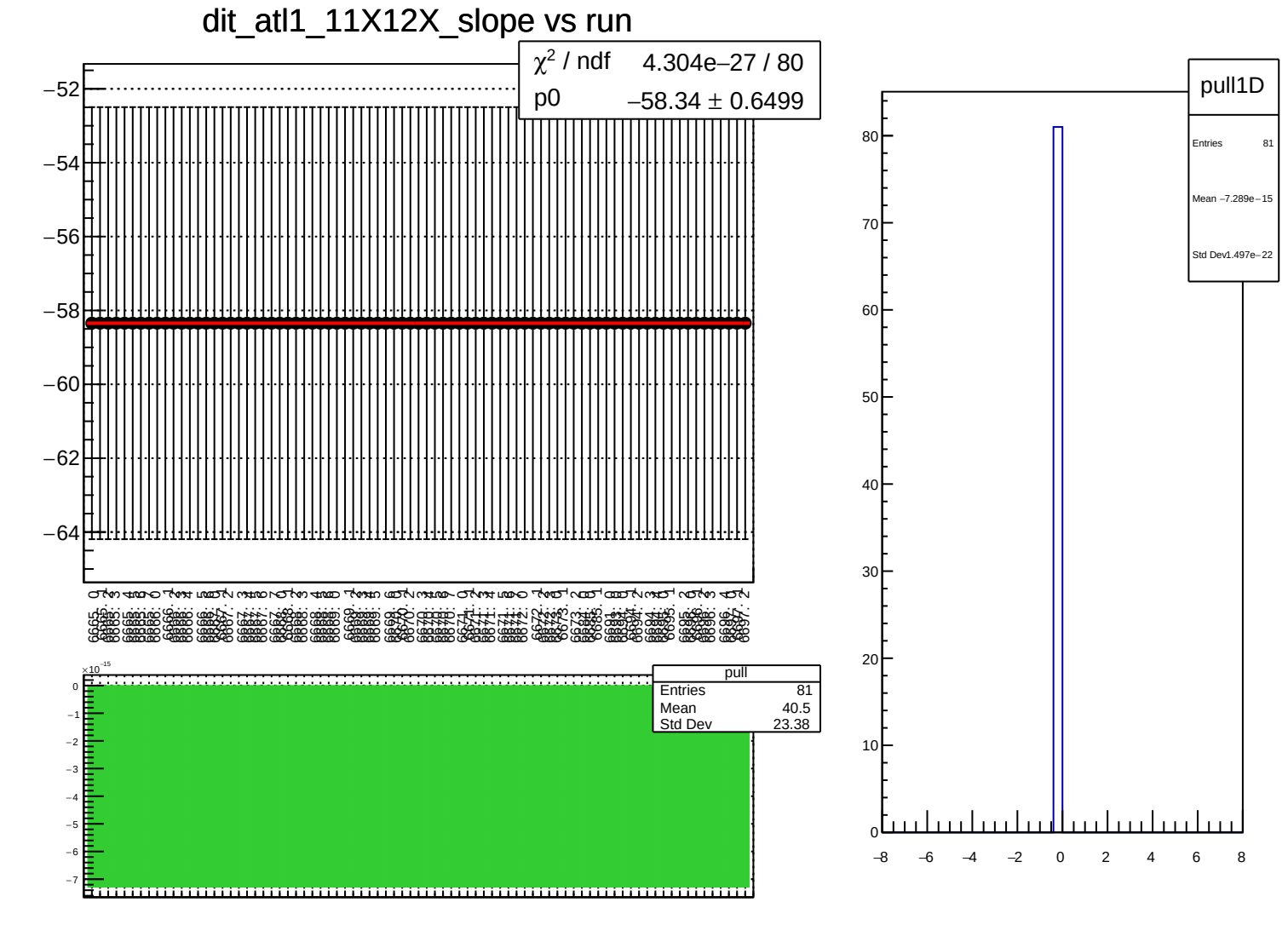

pull1D
Entries 81
Mean 9.332e−15
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

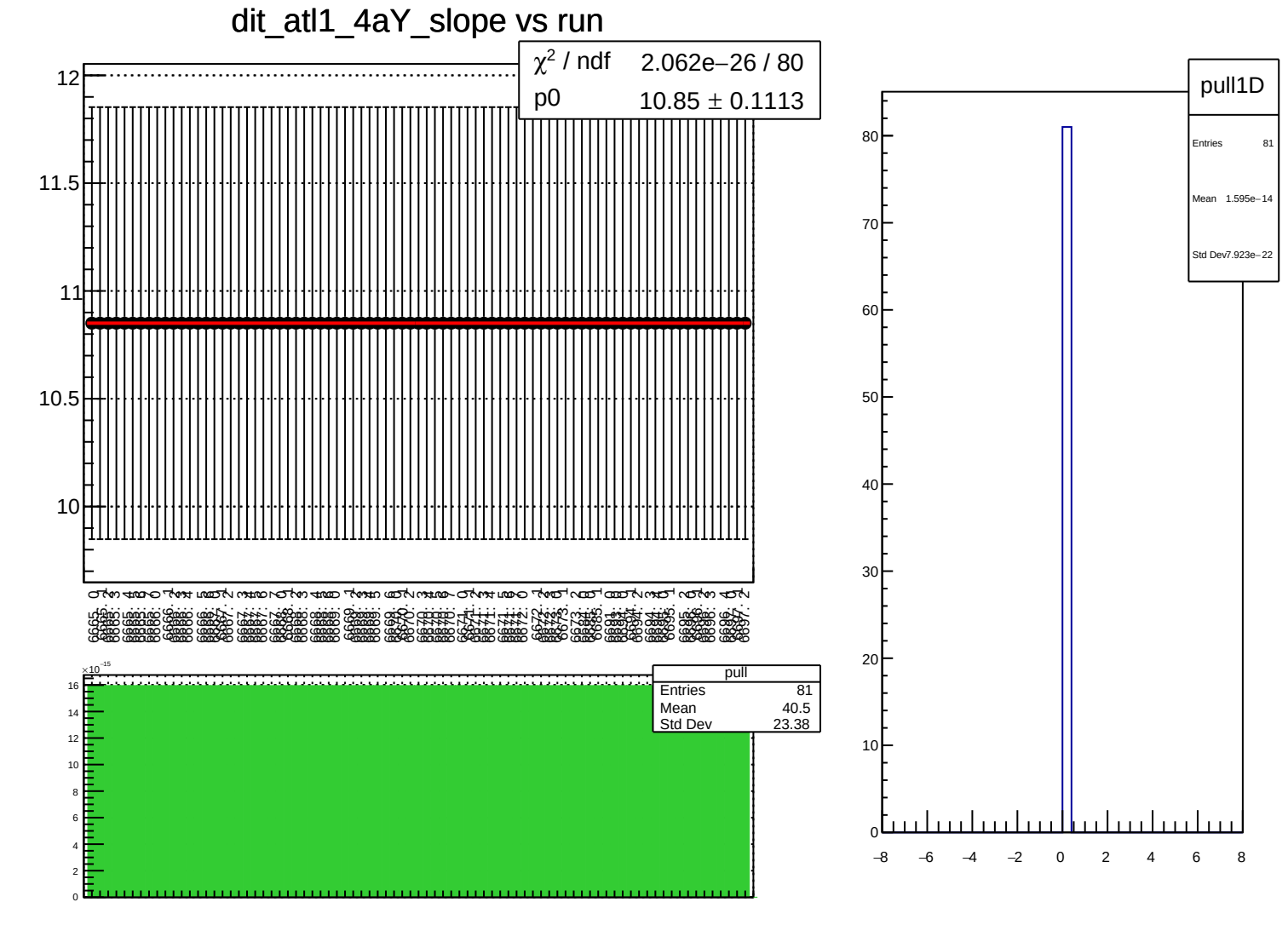

dit_usr_4eY_slope vs run
χ² / ndf 1.01e−25 / 80
p0 22.48 ± 0.1565
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵

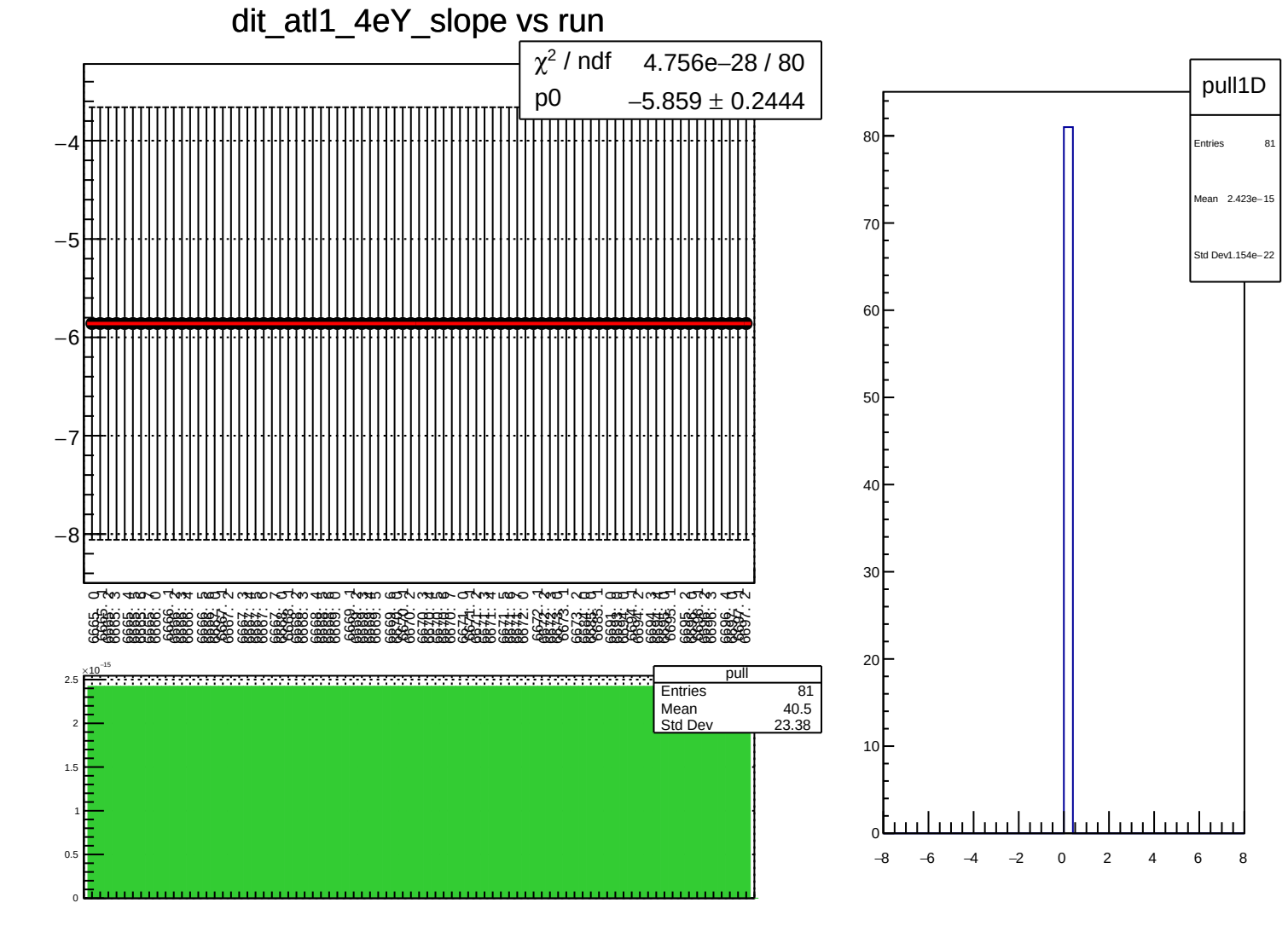

pull1D
Entries 81
Mean 3.532e−14
Std Dev 1.271e−21

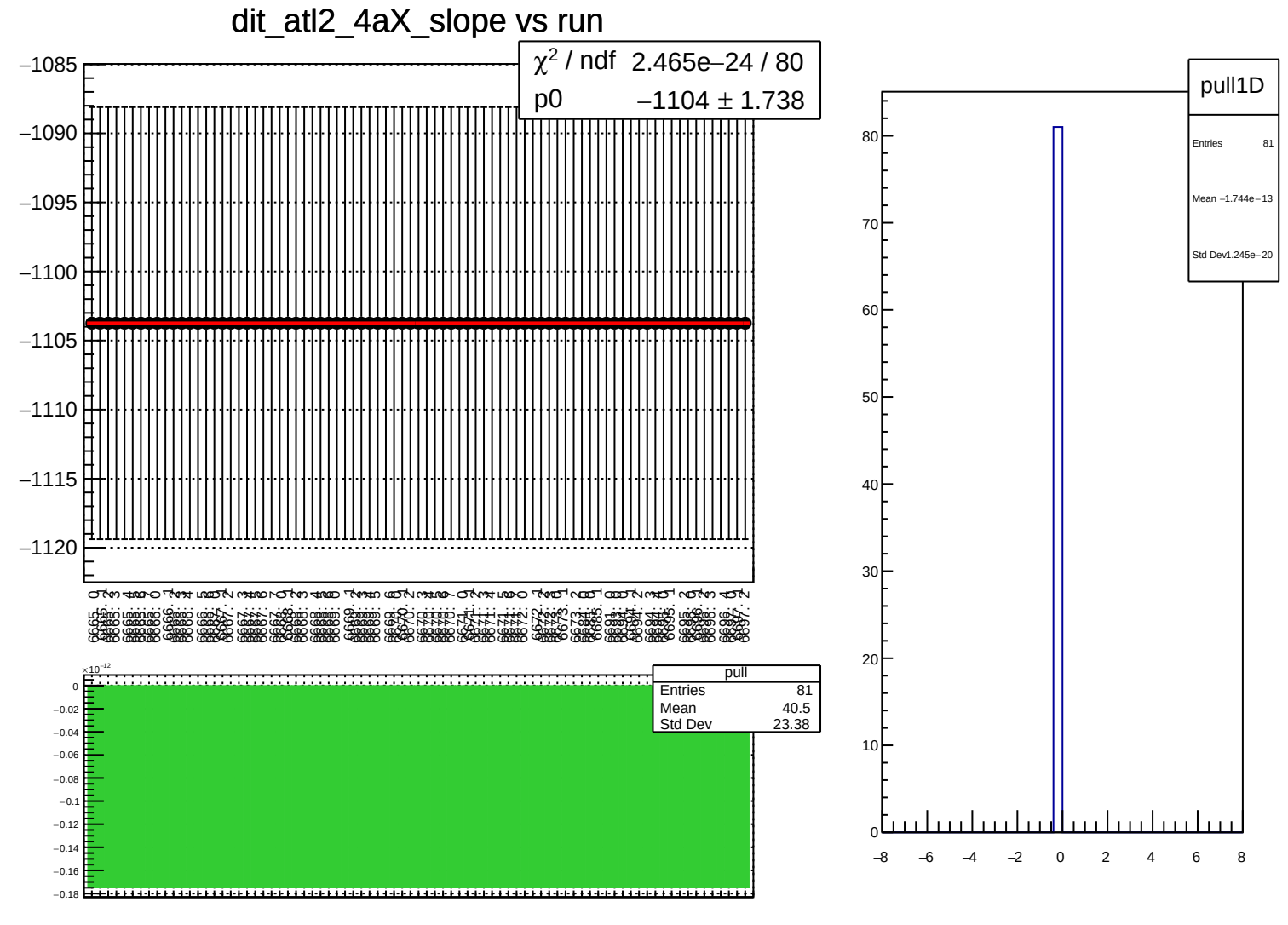

dit_atl1_4aX_slope vs run
$\chi^2$ / ndf 1.925e−26 / 80
p0 −170.2 ± 1.843
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.542e−14
Std Dev 6.353e−22

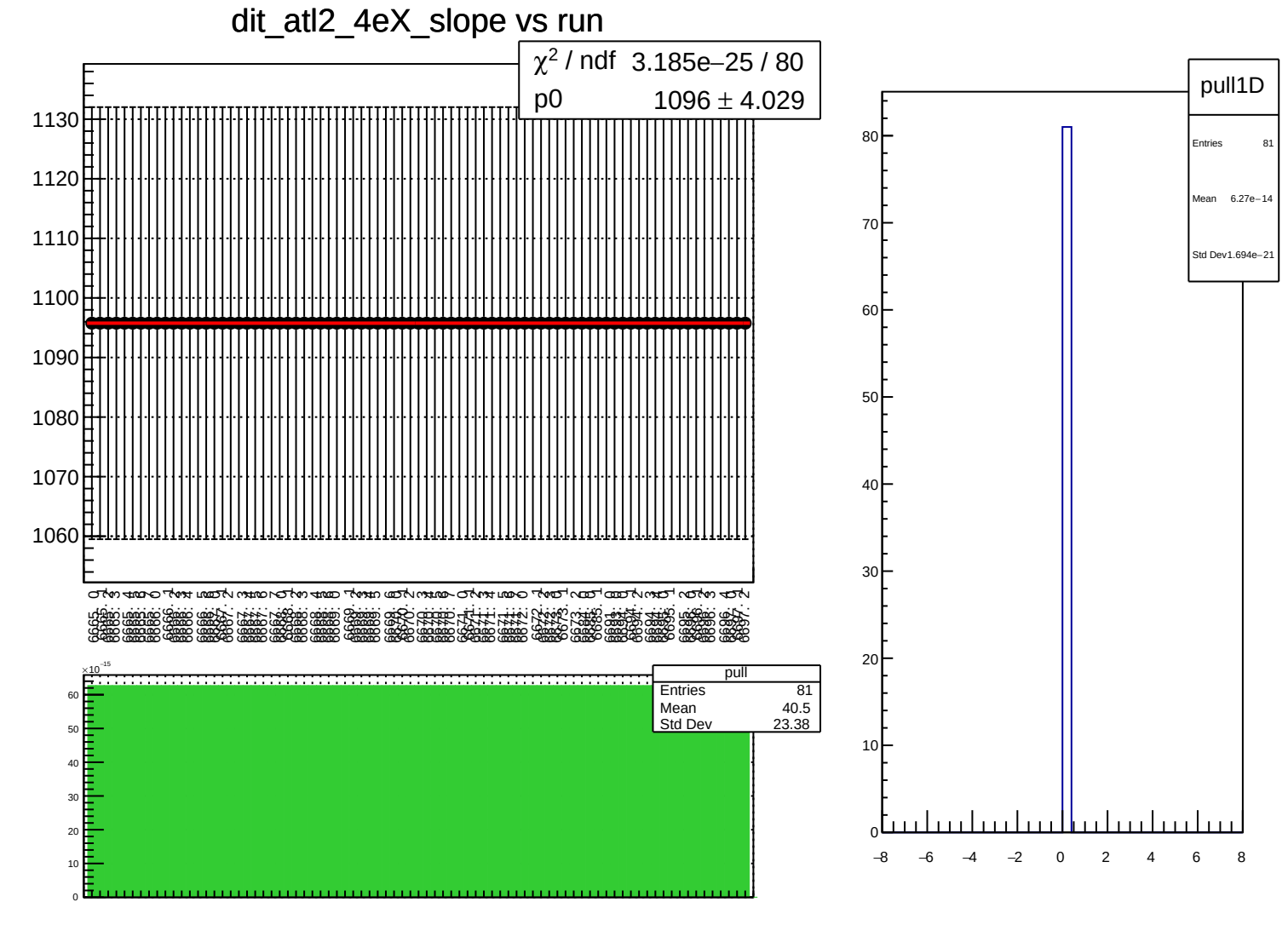

dit_atl1_4eX_slope vs run
χ² / ndf 7.019e−27 / 80
p0 231.7 ± 2.375
250
240
230
220
210
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 9.309e−15
Std Dev 4.615e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

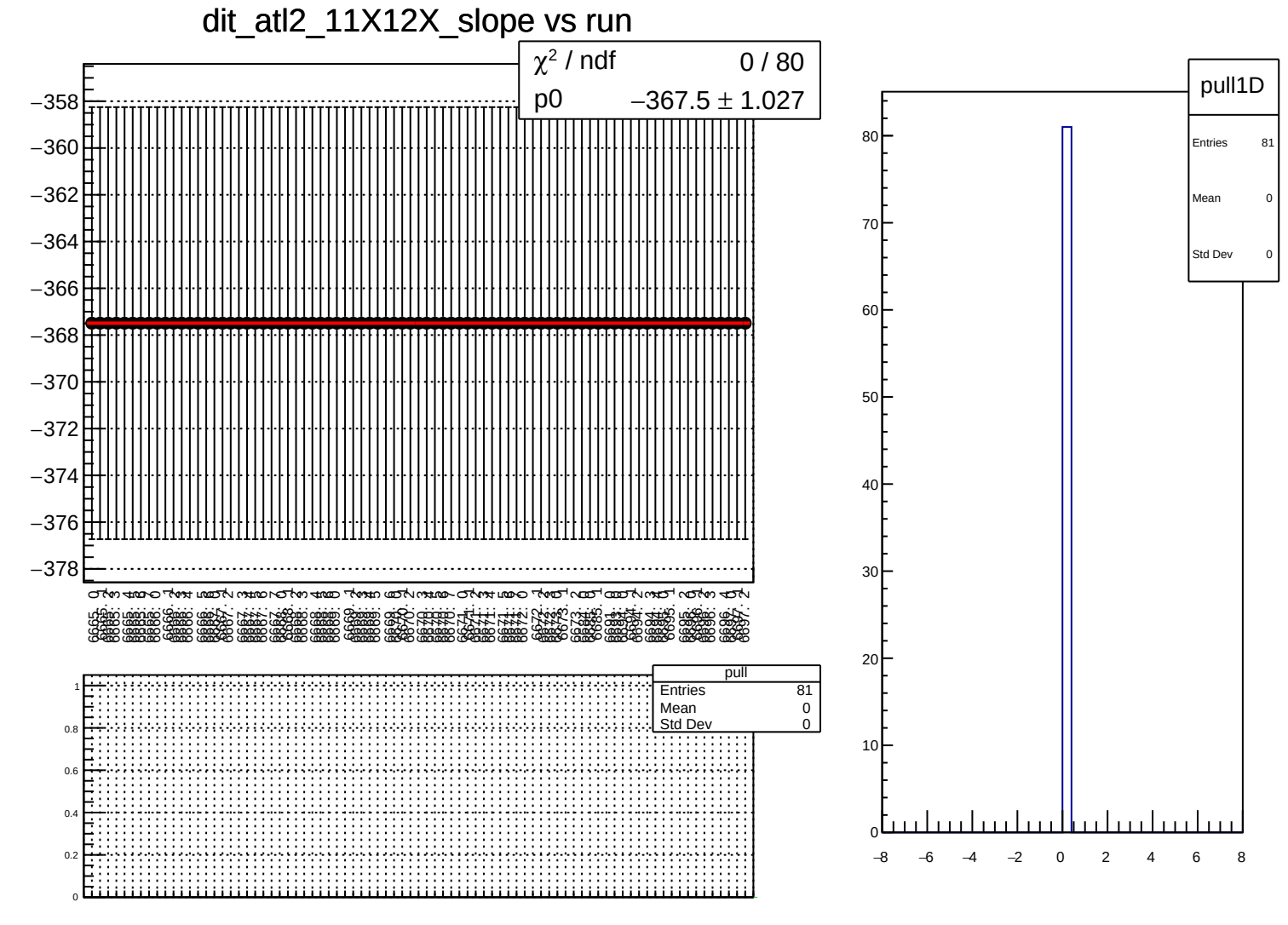

dit_atl1_11X12X_slope vs run
χ² / ndf 4.304e−27 / 80
p0 −58.34 ± 0.6499
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −7.289e−15
Std Dev1.497e−22

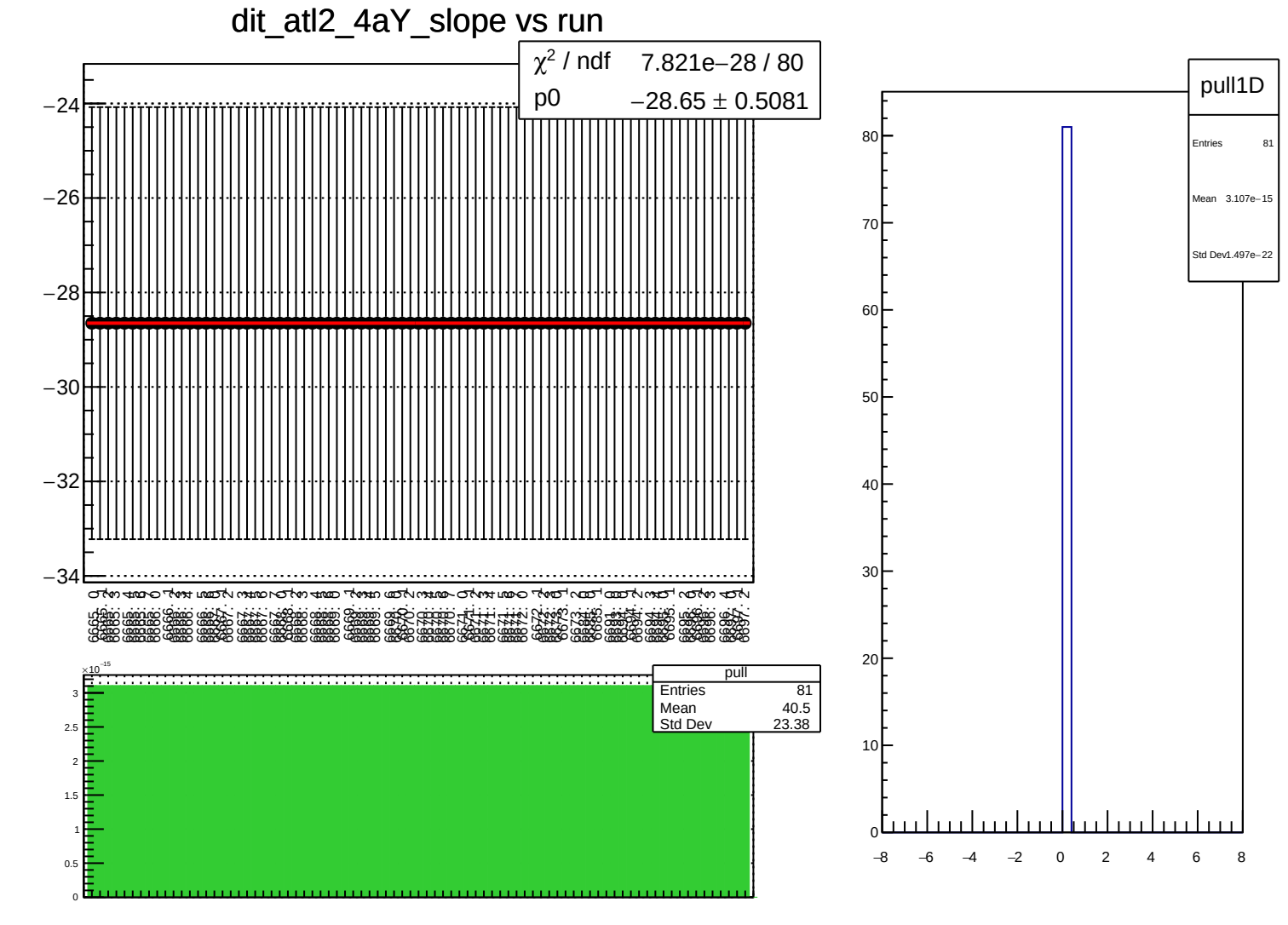

dit_atl1_4aY_slope vs run
χ² / ndf 2.062e−26 / 80
p0 10.85 ± 0.1113
12
11.5
11
10.5
10
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull1D
Entries 81
Mean 1.595e−14
Std Dev7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

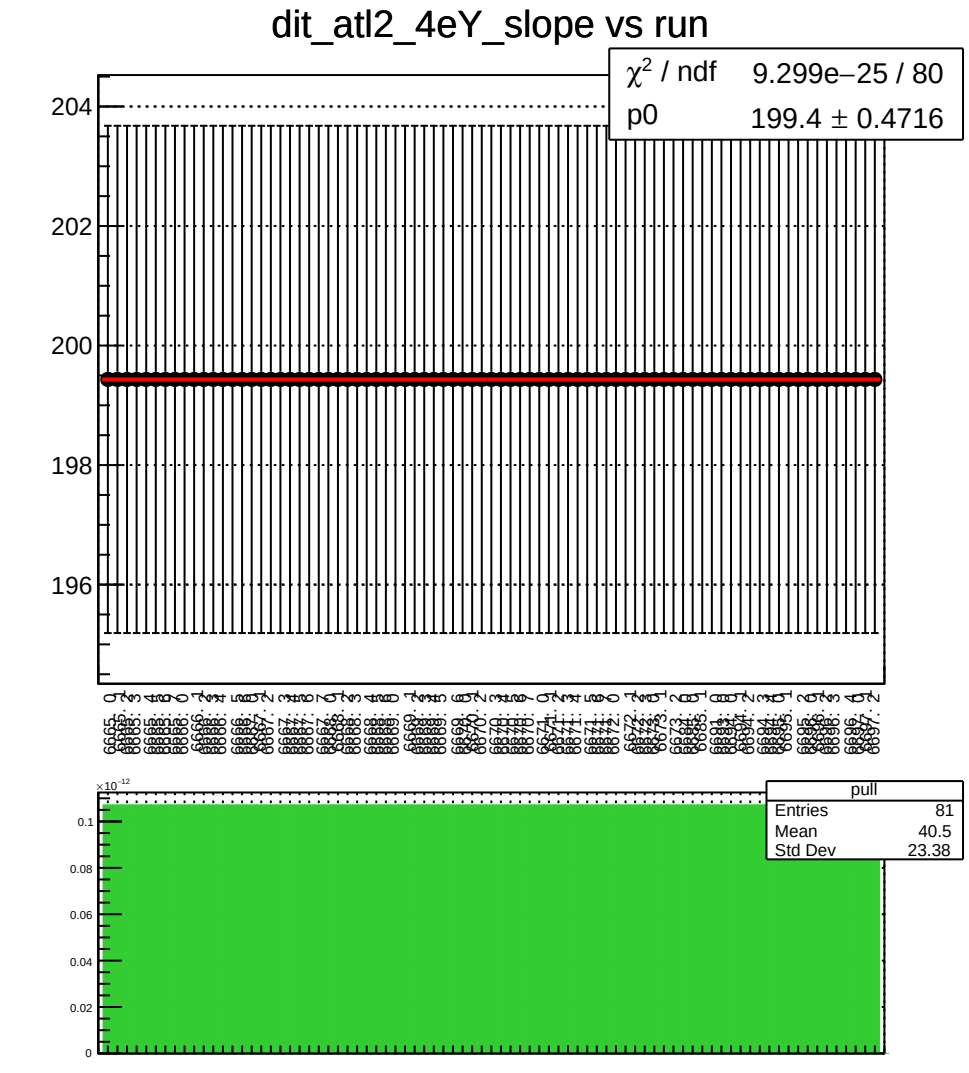

dit_atl1_4eY_slope vs run
χ² / ndf 4.756e−28 / 80
p0 −5.859 ± 0.2444
−4
−5
−6
−7
−8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
2.5
2
1.5
1
0.5
0
pull1D
Entries 81
Mean 2.423e−15
Std Dev1.154e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

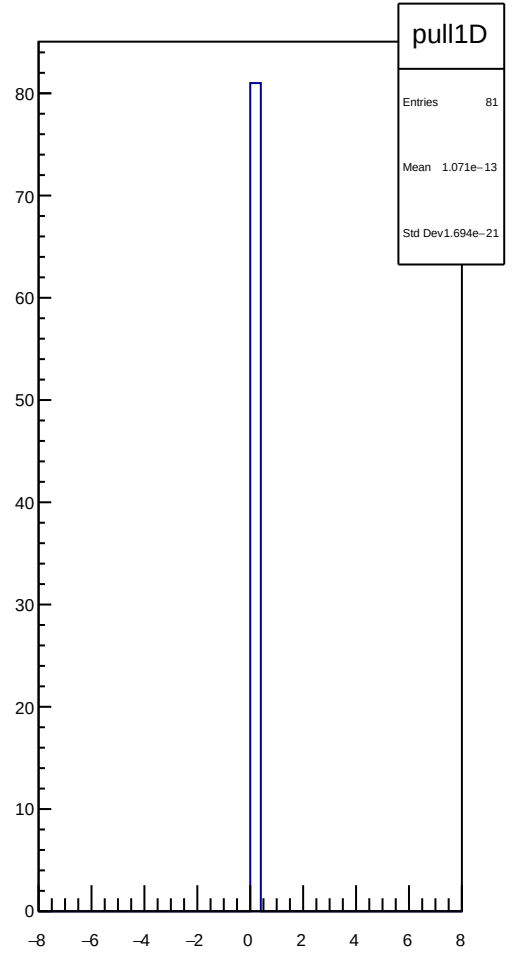

dit_atl2_4aX_slope vs run
χ² / ndf 2.465e−24 / 80
p0 −1104 ± 1.738
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.744e−13
Std Dev1.245e−20

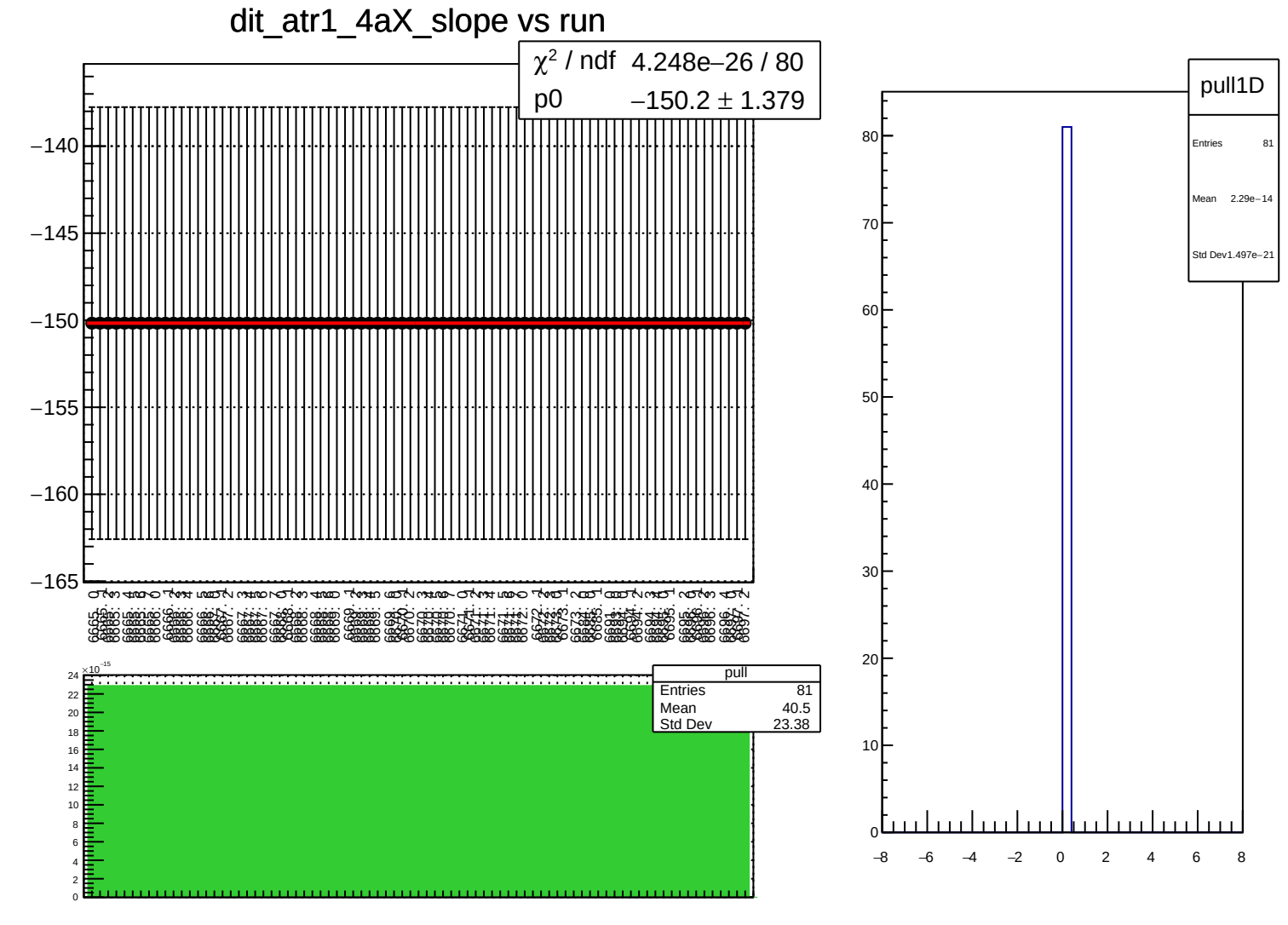

dit_atl2_4eX_slope vs run
$\chi^2$ / ndf 3.185e−25 / 80
p0 1096 ± 4.029
1130
1120
1110
1100
1090
1080
1070
1060
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 81
Mean 6.27e−14
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

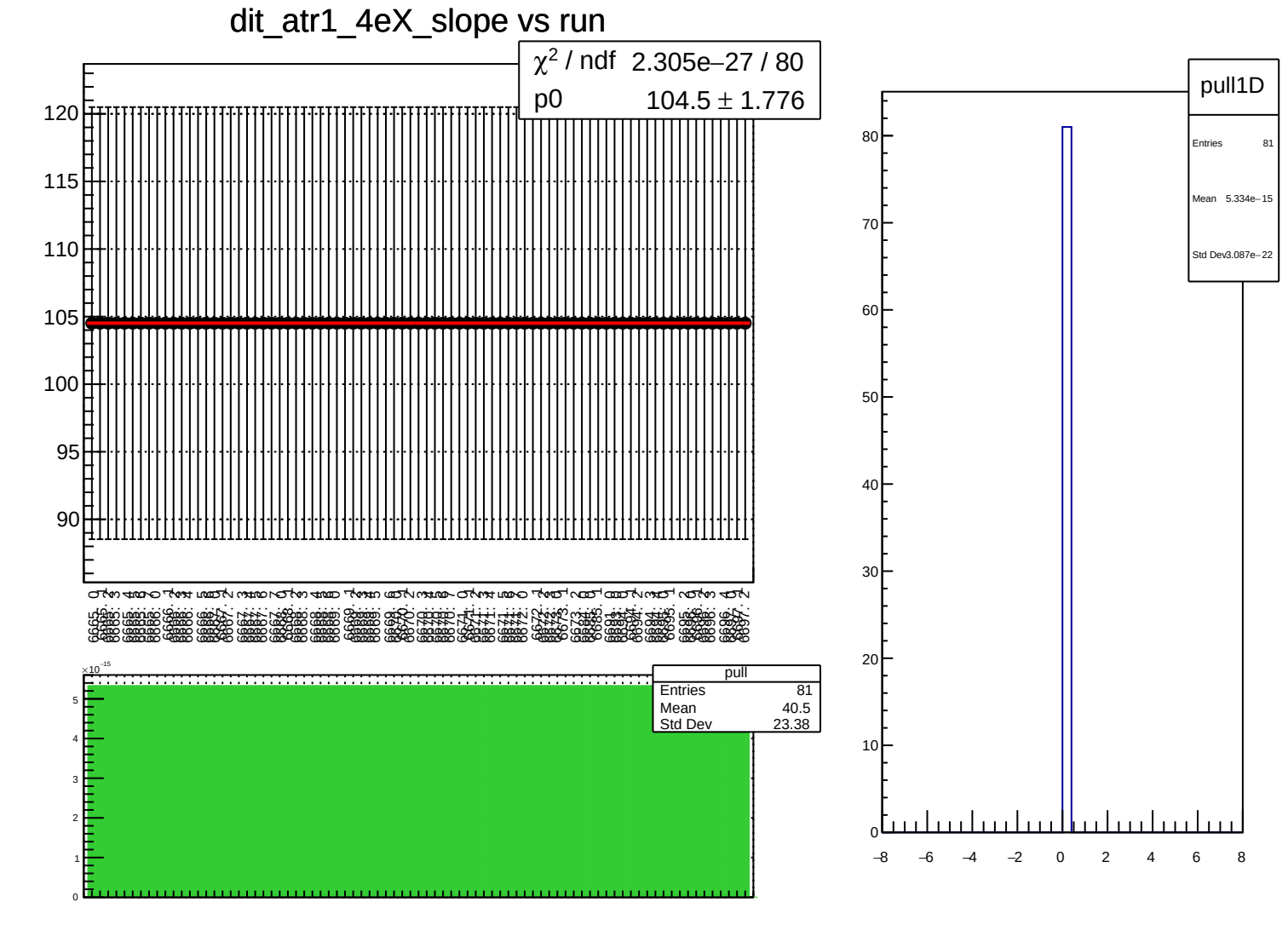

dit_atl2_11X12X_slope vs run
χ² / ndf 0 / 80
p0 −367.5 ± 1.027
−358
−360
−362
−364
−366
−368
−370
−372
−374
−376
−378
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

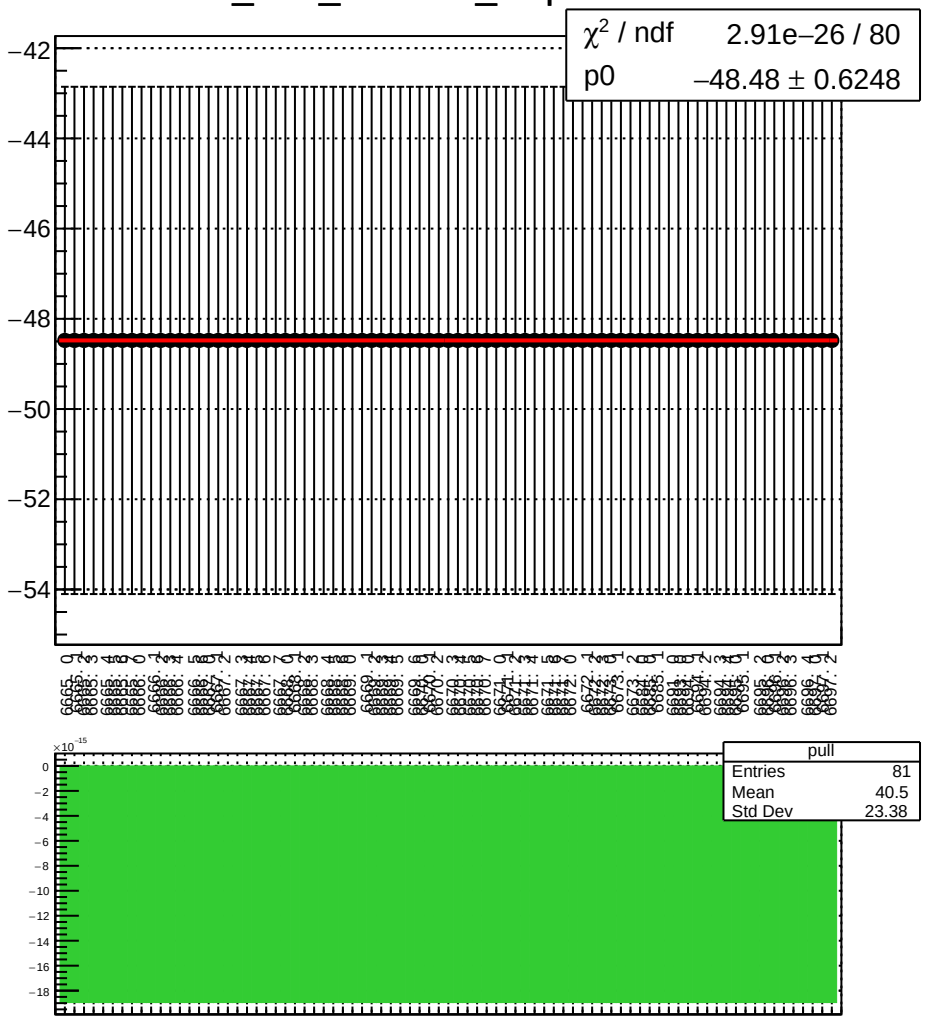

dit_atl2_4aY_slope vs run
χ² / ndf 7.821e−28 / 80
p0 −28.65 ± 0.5081
−24
−26
−28
−30
−32
−34
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 81
Mean 3.107e−15
Std Dev1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

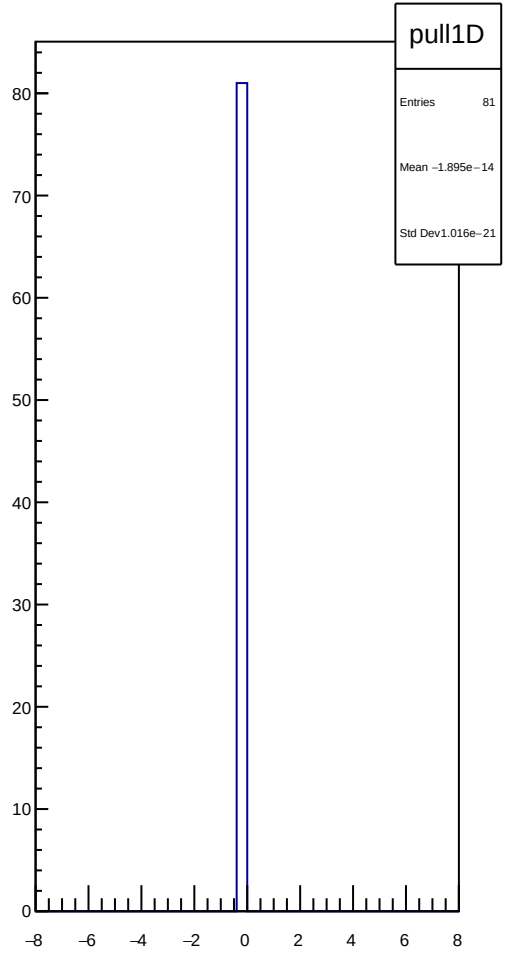

dit_atl2_4eY_slope vs run
χ² / ndf 9.299e−25 / 80
p0 199.4 ± 0.4716
204
202
200
198
196
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

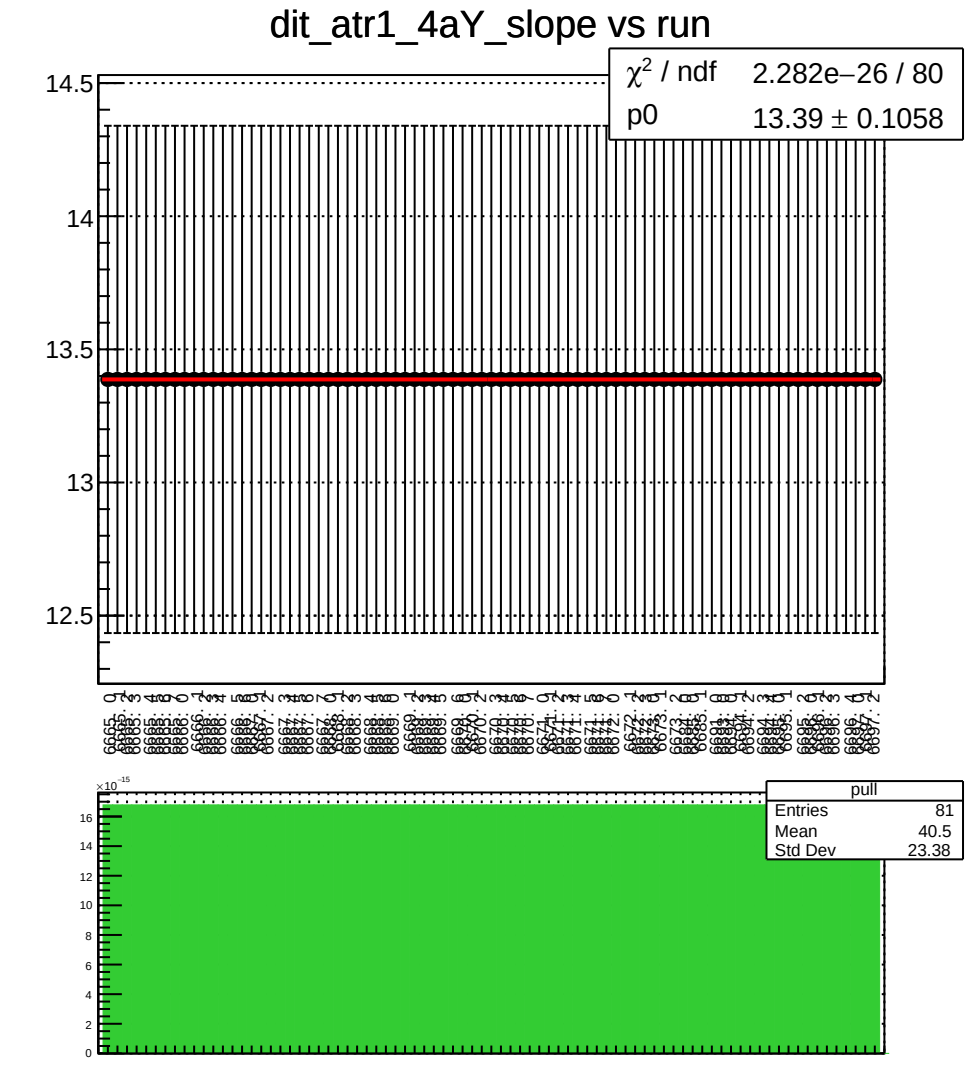

pull1D
Entries 81
Mean 1.071e−13
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

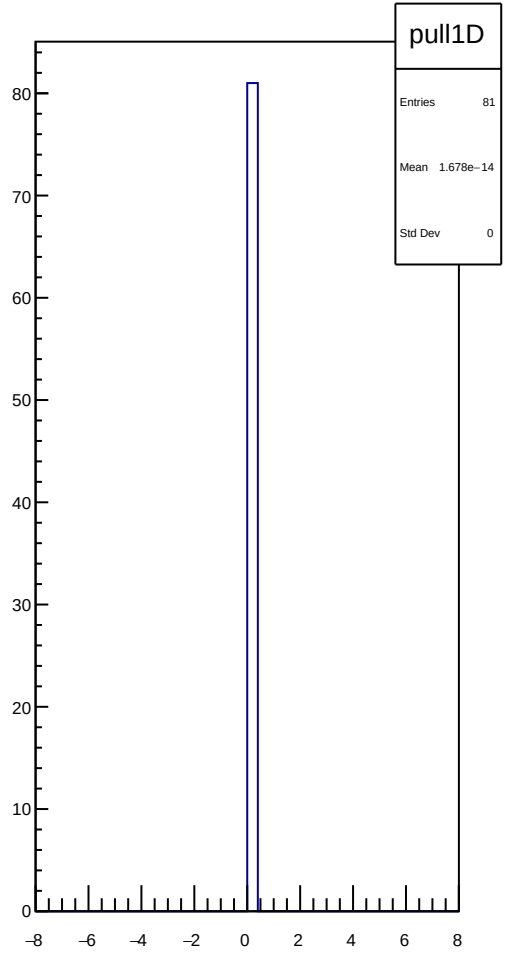

dit_atr1_4aX_slope vs run
χ² / ndf 4.248e−26 / 80
p0 −150.2 ± 1.379
−140
−145
−150
−155
−160
−165
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.29e−14
Std Dev1.497e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

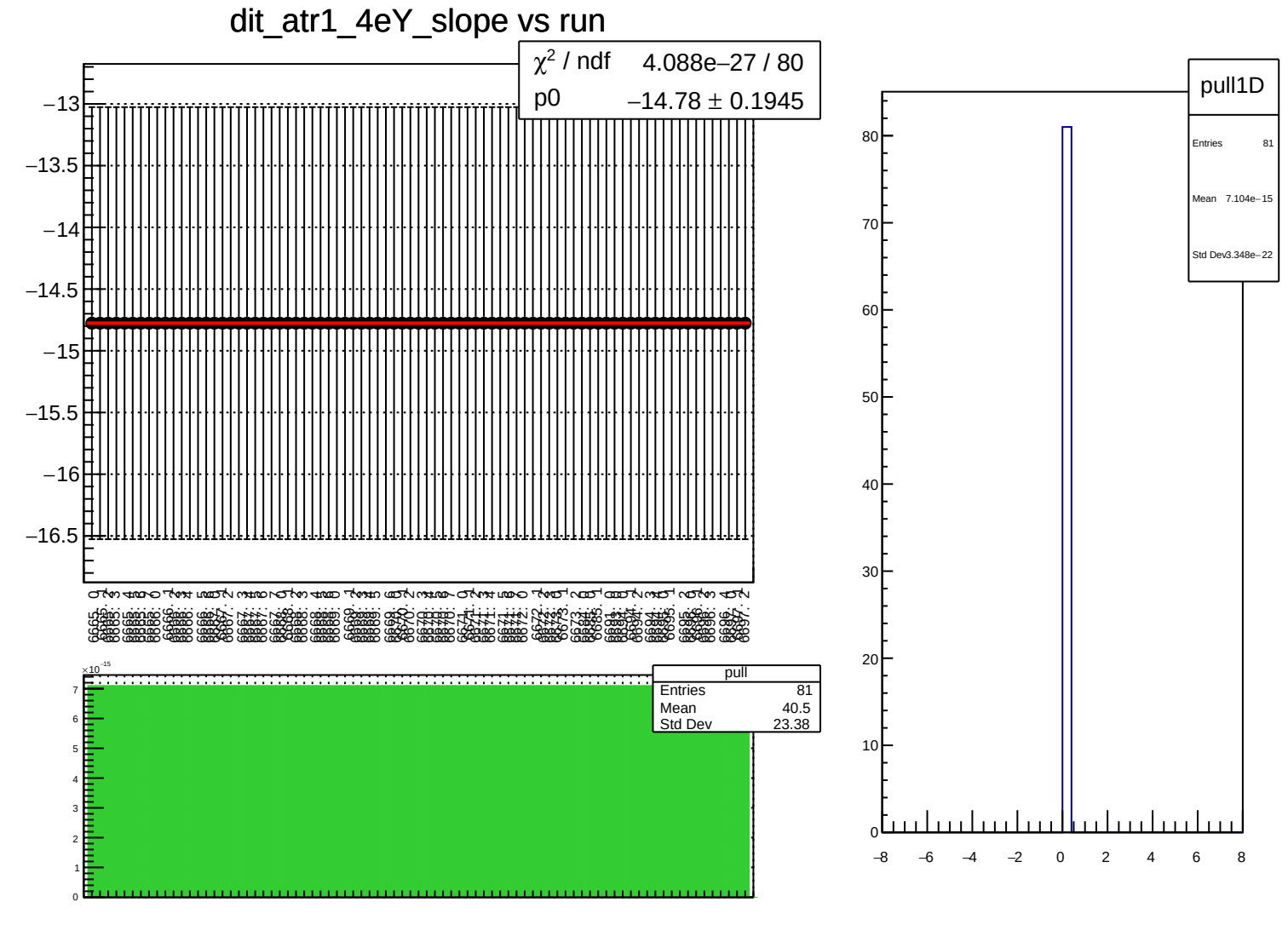

dit_atr1_4eX_slope vs run
$\chi^2$ / ndf 2.305e−27 / 80
p0 104.5 ± 1.776
120
115
110
105
100
95
90
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-15
5
4
3
2
1
0
pull1D
Entries 81
Mean 5.334e−15
Std Dev3.087e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

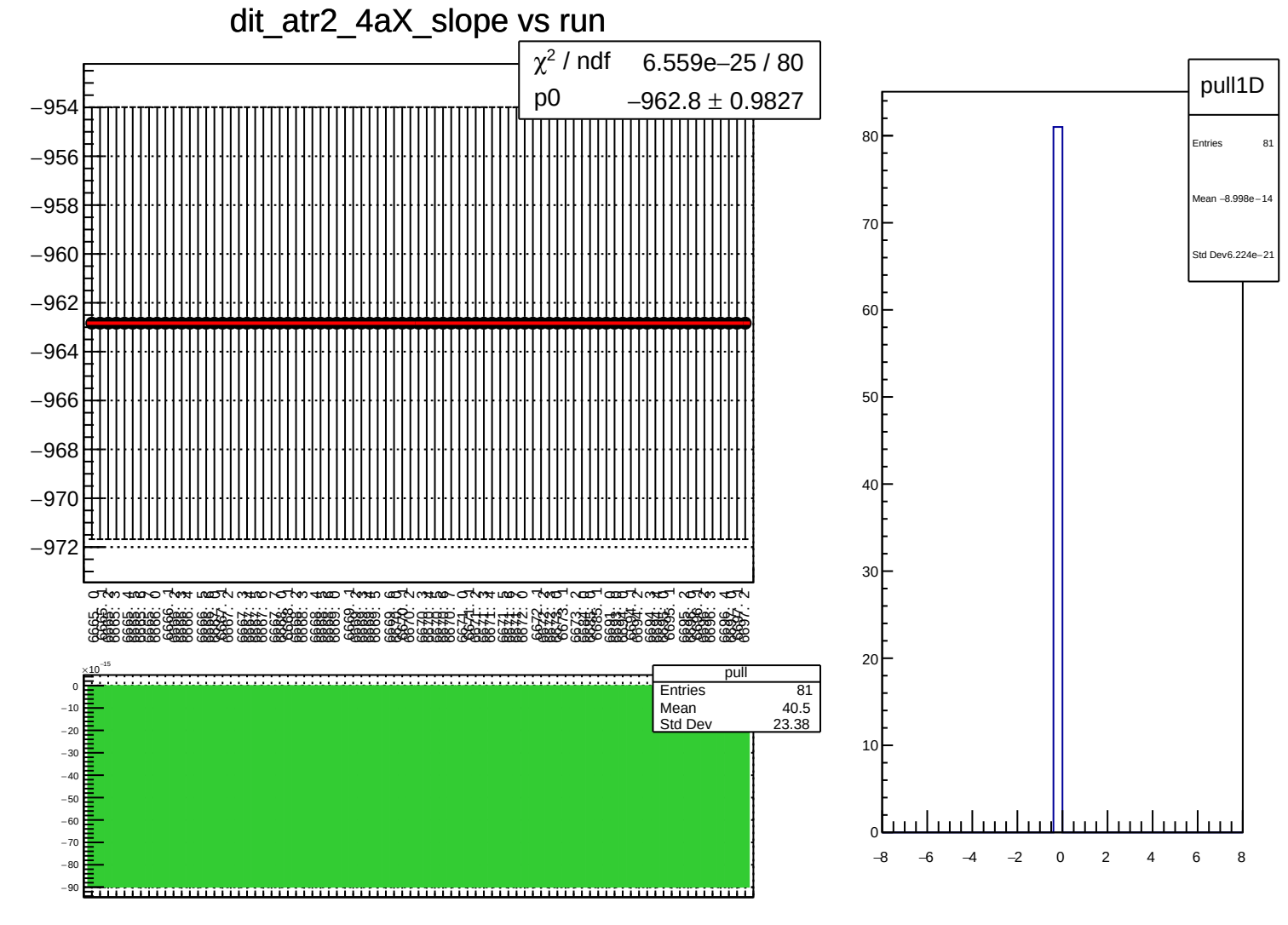

dit_atr1_11X12X_slope vs run
χ² / ndf 2.91e−26 / 80
p0 −48.48 ± 0.6248
−42
−44
−46
−48
−50
−52
−54
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

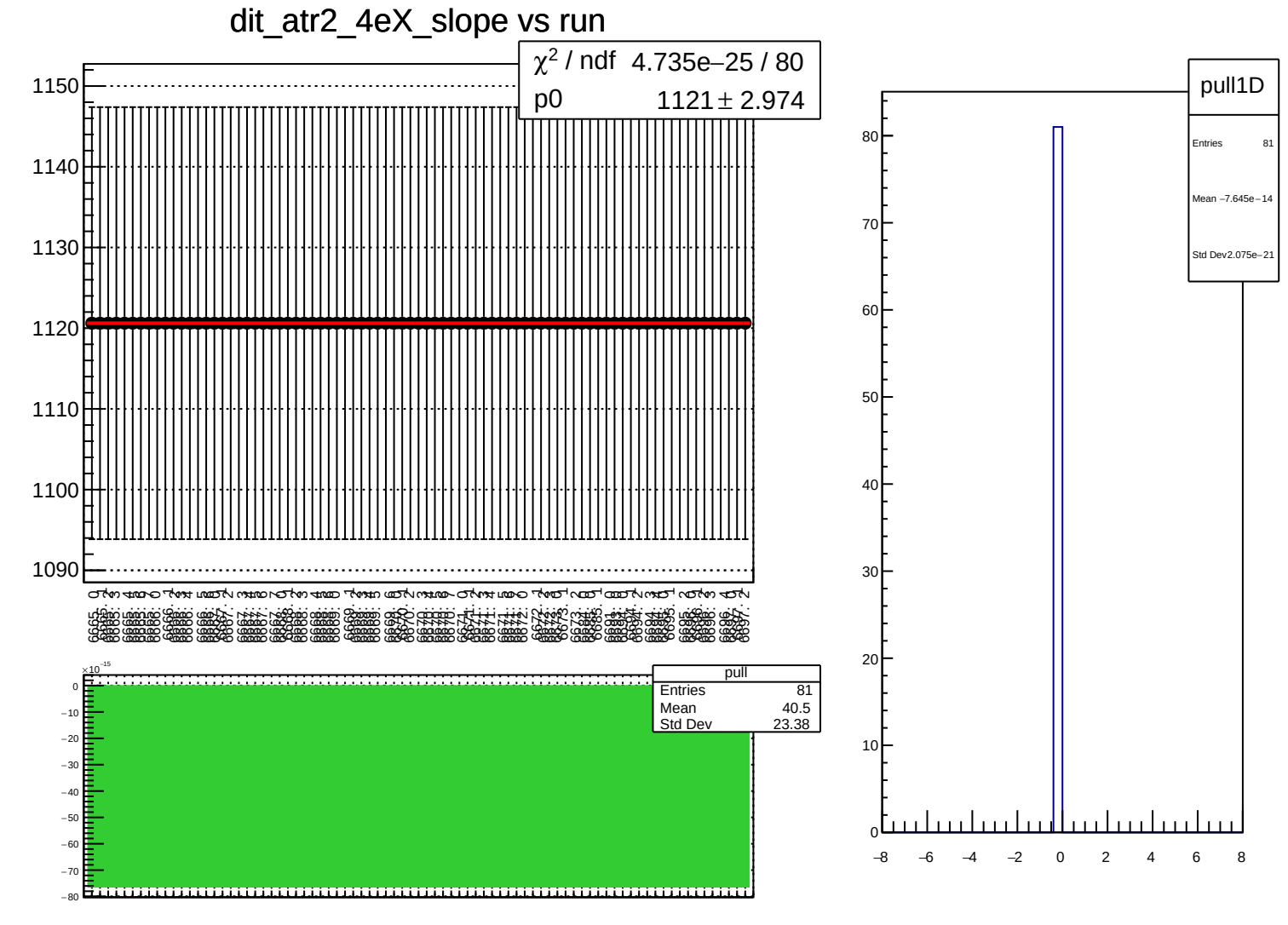

pull1D
Entries 81
Mean −1.895e−14
Std Dev1.016e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

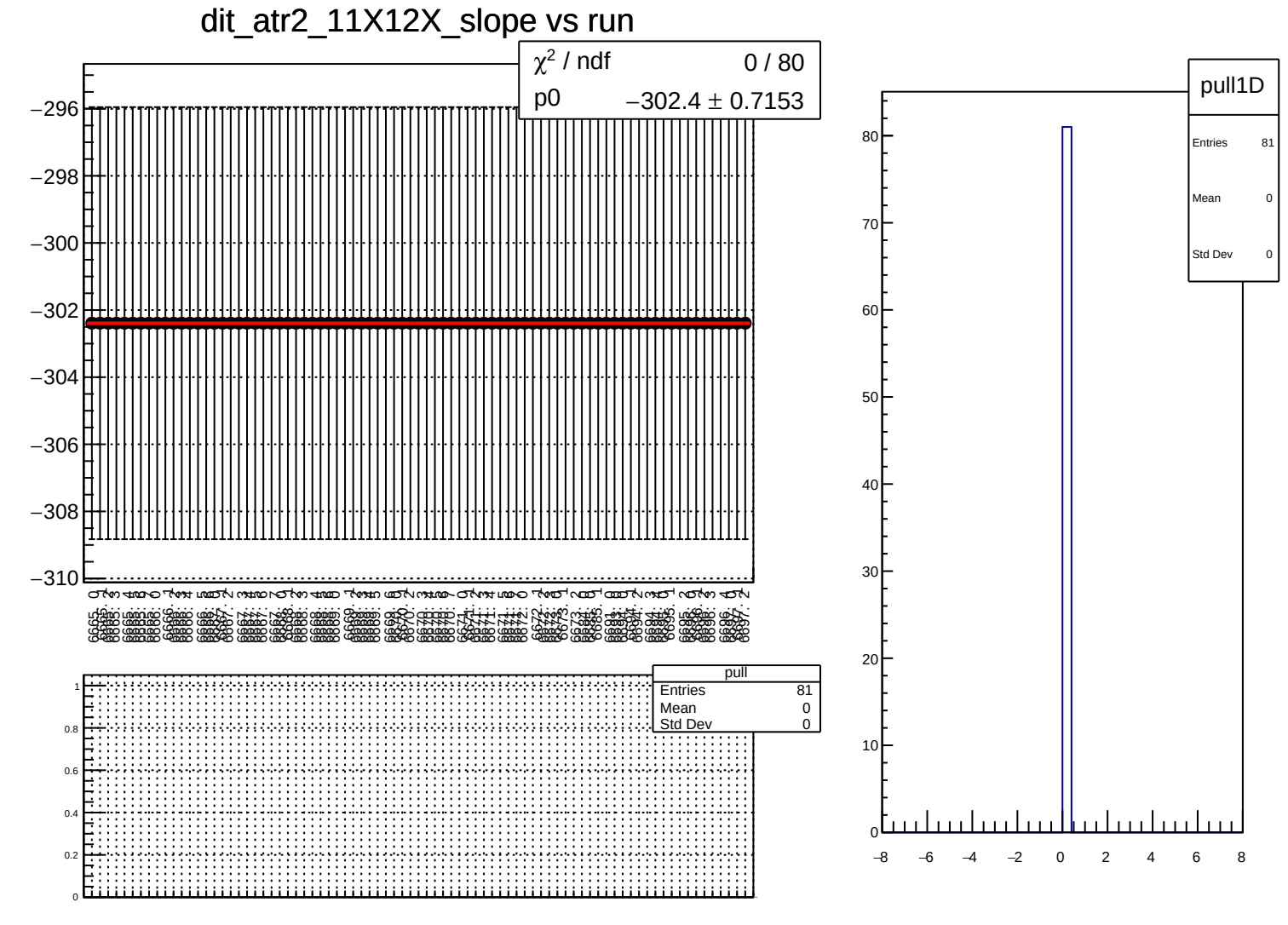

dit_atr1_4aY_slope vs run
$\chi^2$ / ndf 2.282e−26 / 80
p0 13.39 ± 0.1058
14.5
14
13.5
13
12.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

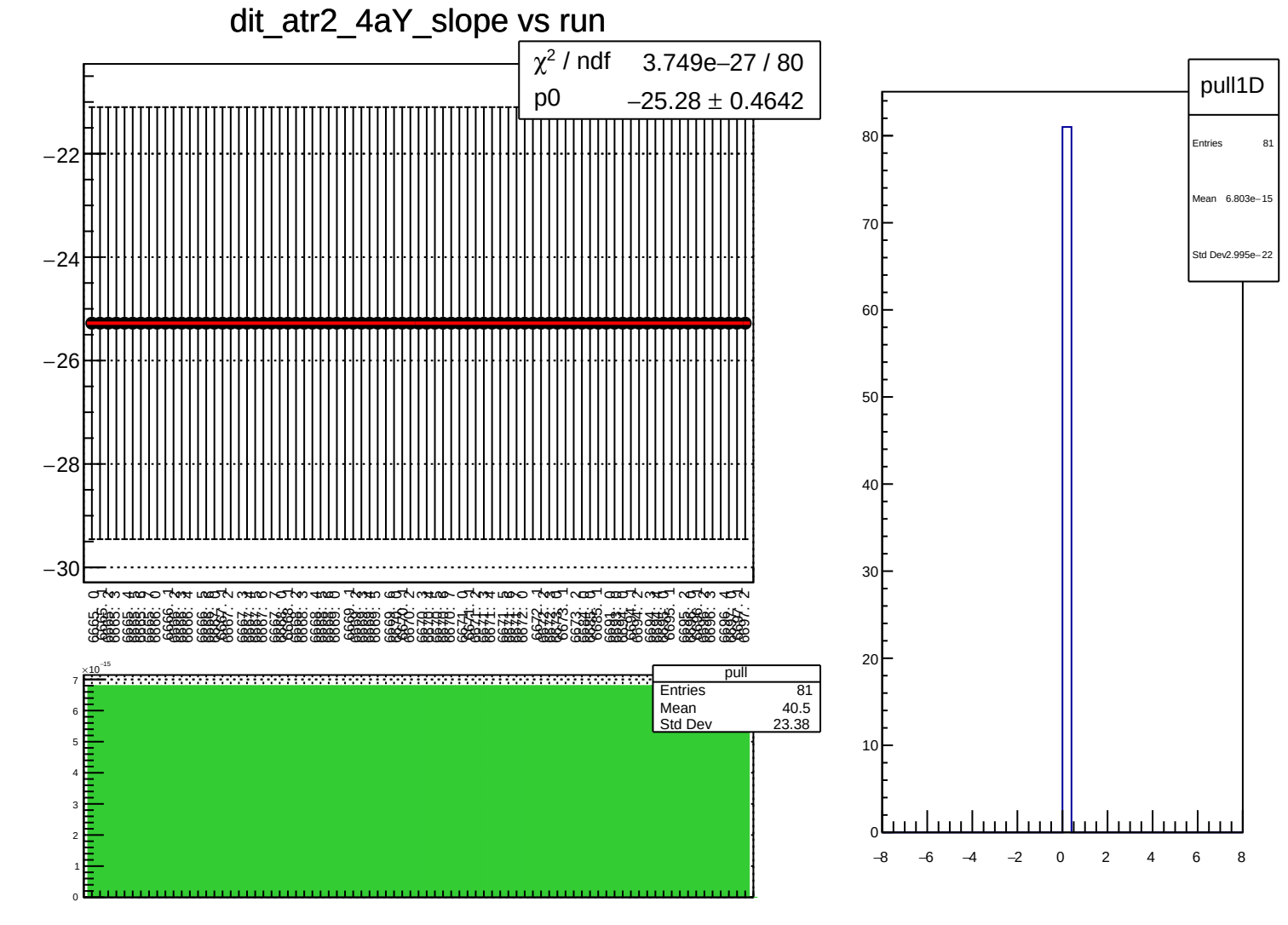

pull1D
Entries 81
Mean 1.678e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

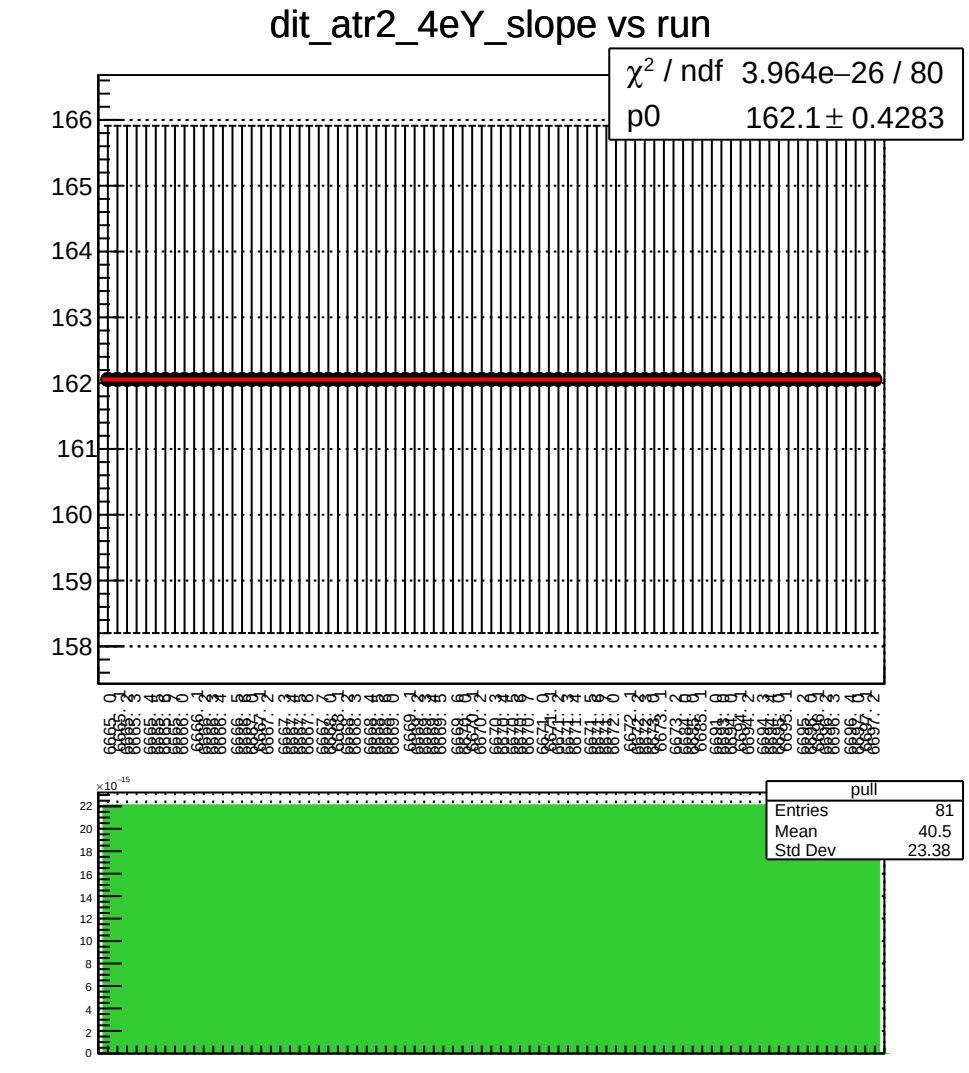

dit_atr1_4eY_slope vs run
χ² / ndf 4.088e−27 / 80
p0 −14.78 ± 0.1945
−13
−13.5
−14
−14.5
−15
−15.5
−16
−16.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 7.104e−15
Std Dev 3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

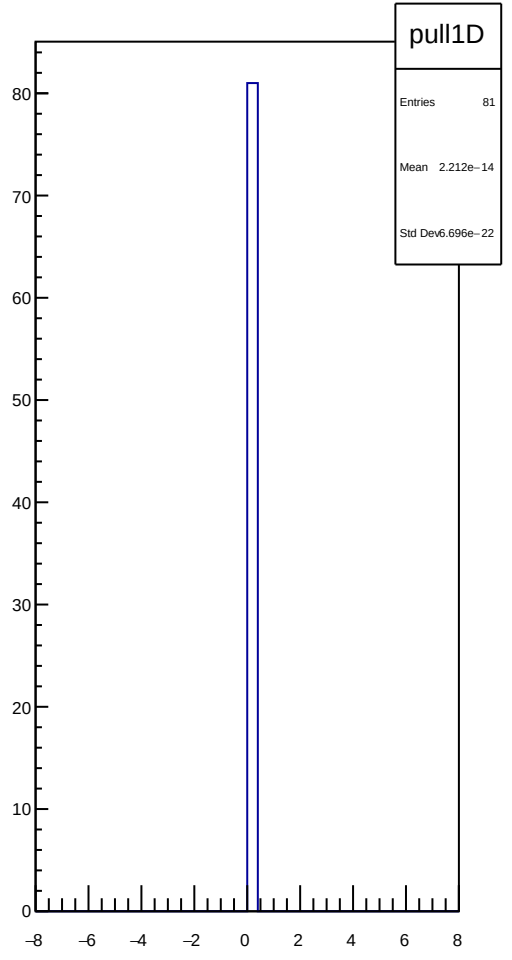

dit_atr2_4aX_slope vs run
χ² / ndf 6.559e−25 / 80
p0 −962.8 ± 0.9827
−954
−956
−958
−960
−962
−964
−966
−968
−970
−972
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 81
Mean −8.998e−14
Std Dev6.224e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

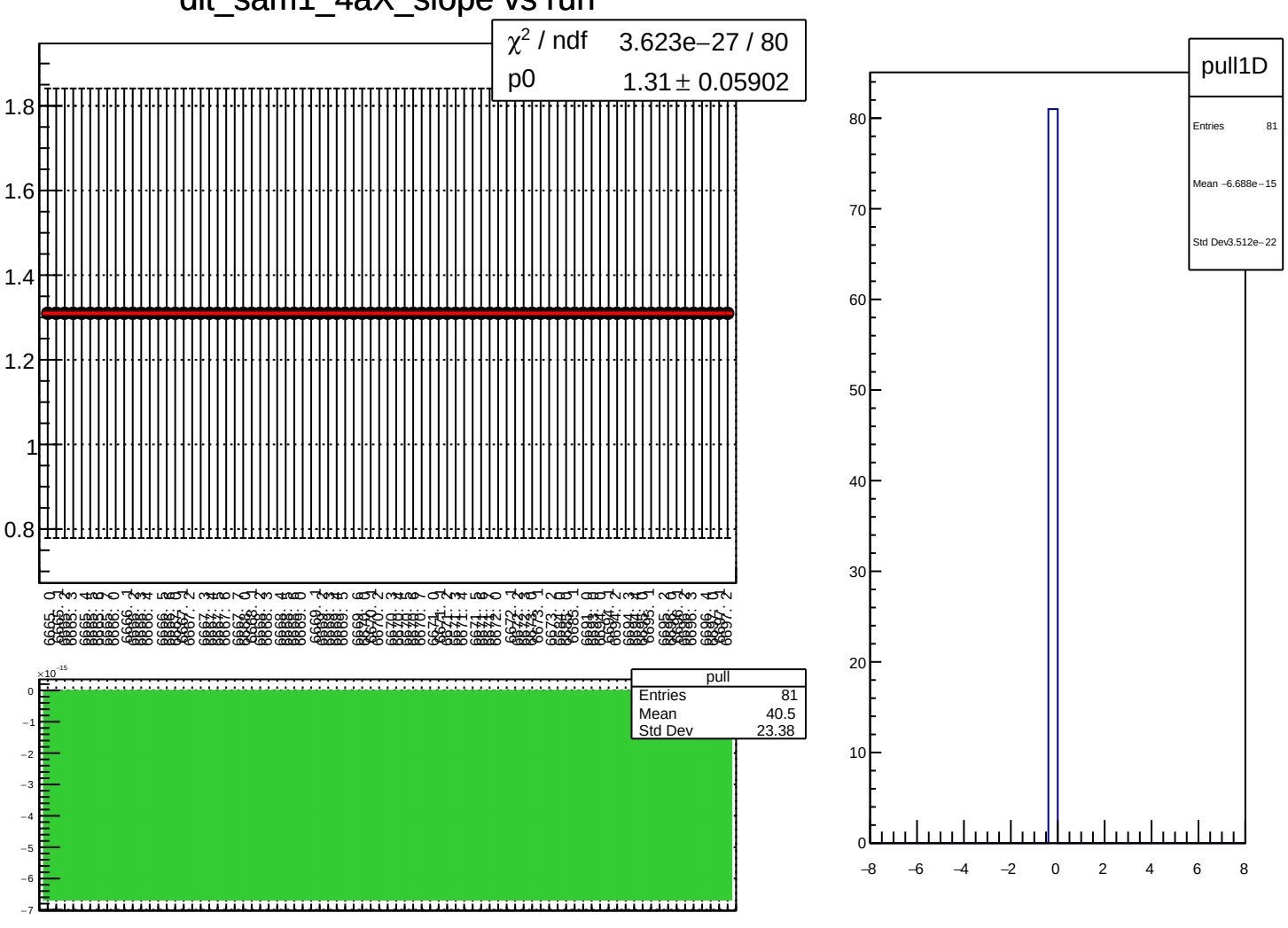

dit_atr2_4eX_slope vs run
$\chi^2$ / ndf 4.735e−25 / 80
p0 1121 ± 2.974
1150
1140
1130
1120
1110
1100
1090
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 81
Mean −7.645e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

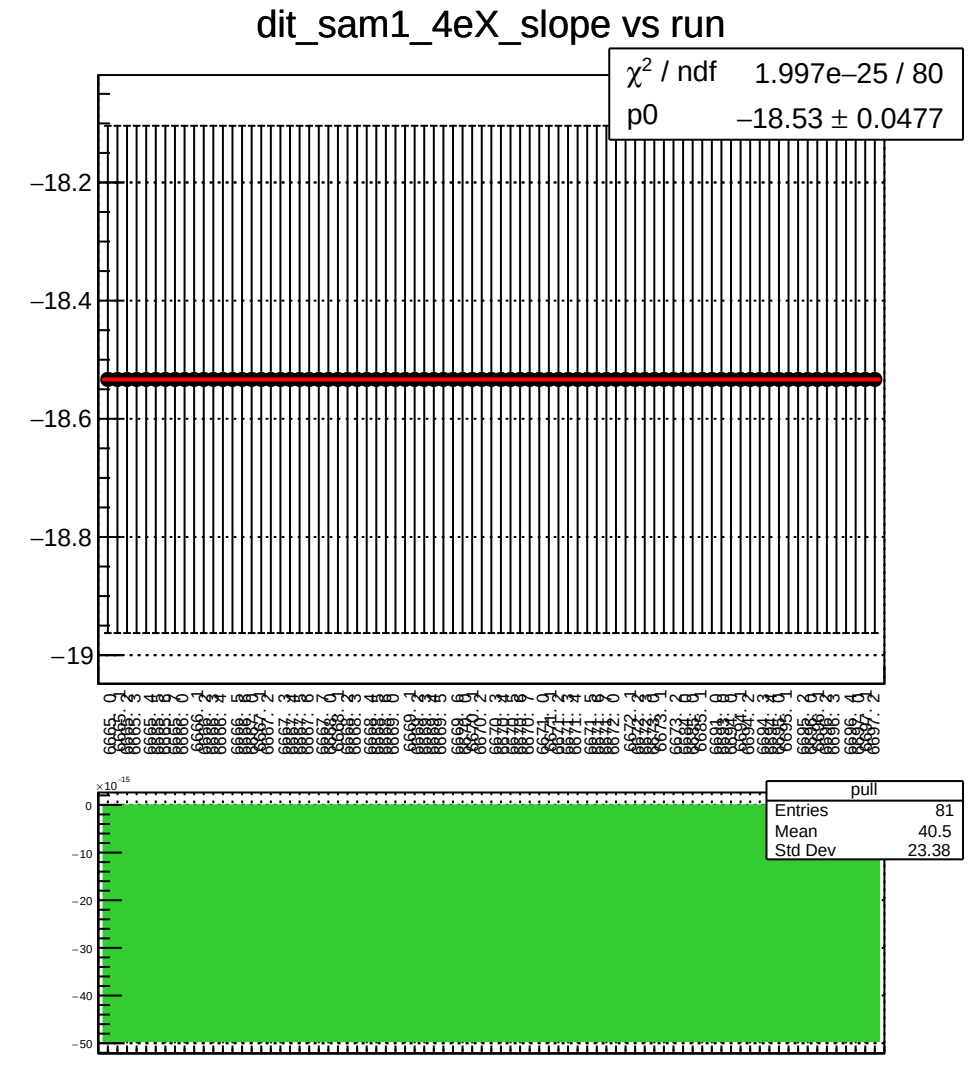

dit_atr2_11X12X_slope vs run
χ² / ndf 0 / 80
p0 −302.4 ± 0.7153
−296
−298
−300
−302
−304
−306
−308
−310
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

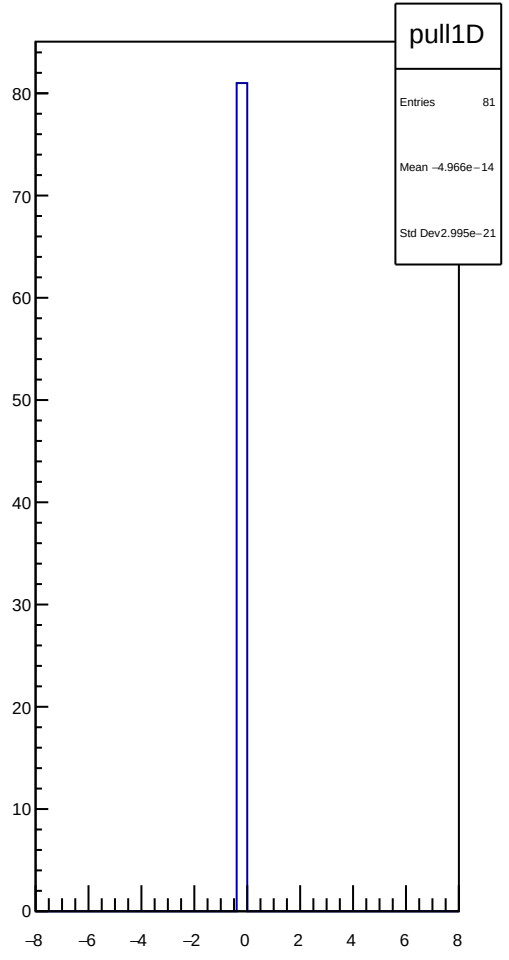

dit_atr2_4aY_slope vs run
χ² / ndf 3.749e−27 / 80
p0 −25.28 ± 0.4642
−22
−24
−26
−28
−30
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 6.803e−15
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

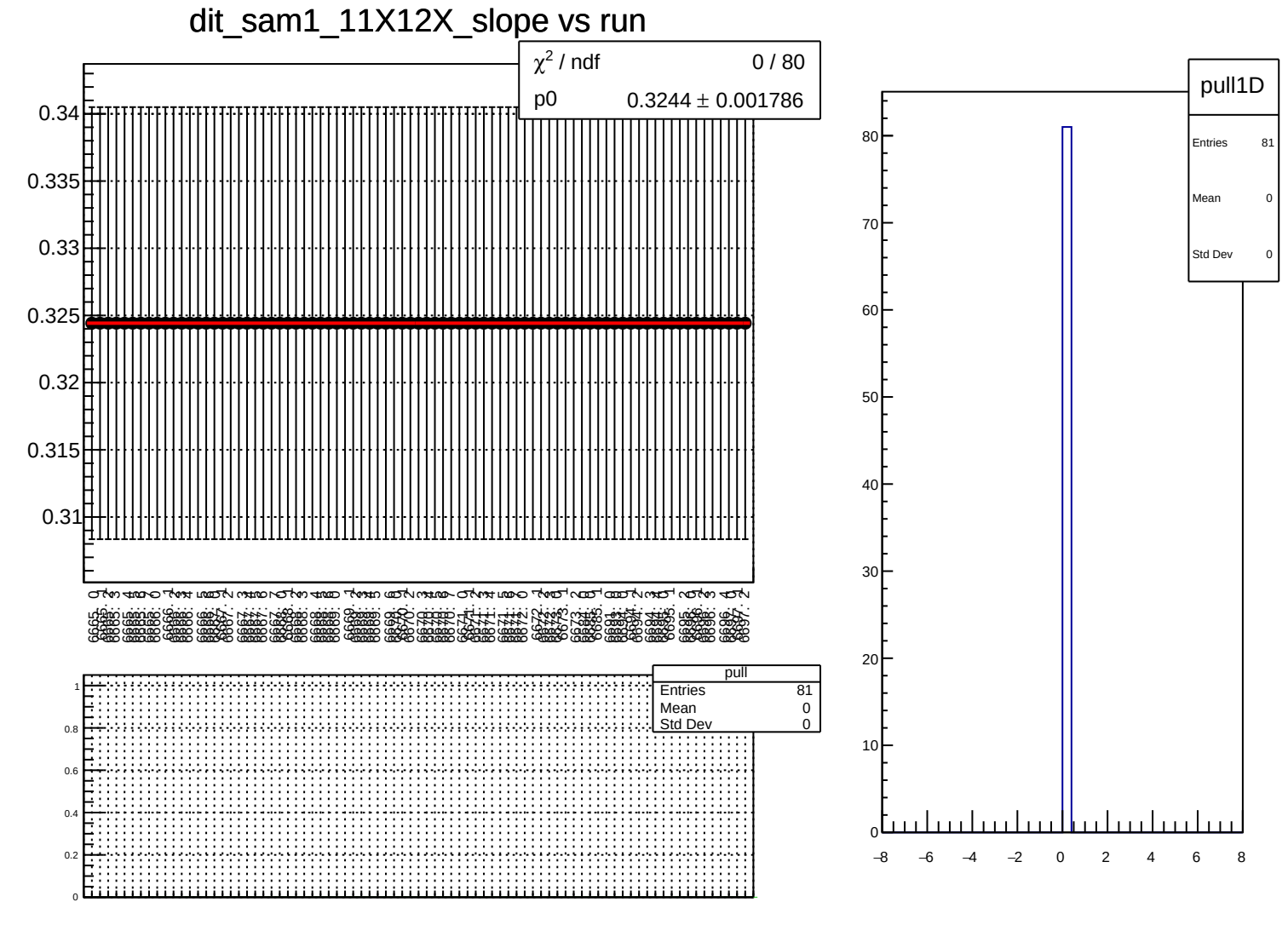

dit_atr2_4eY_slope vs run
χ² / ndf 3.964e−26 / 80
p0 162.1 ± 0.4283
166
165
164
163
162
161
160
159
158
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 81
Mean 40.5
Std Dev 23.38

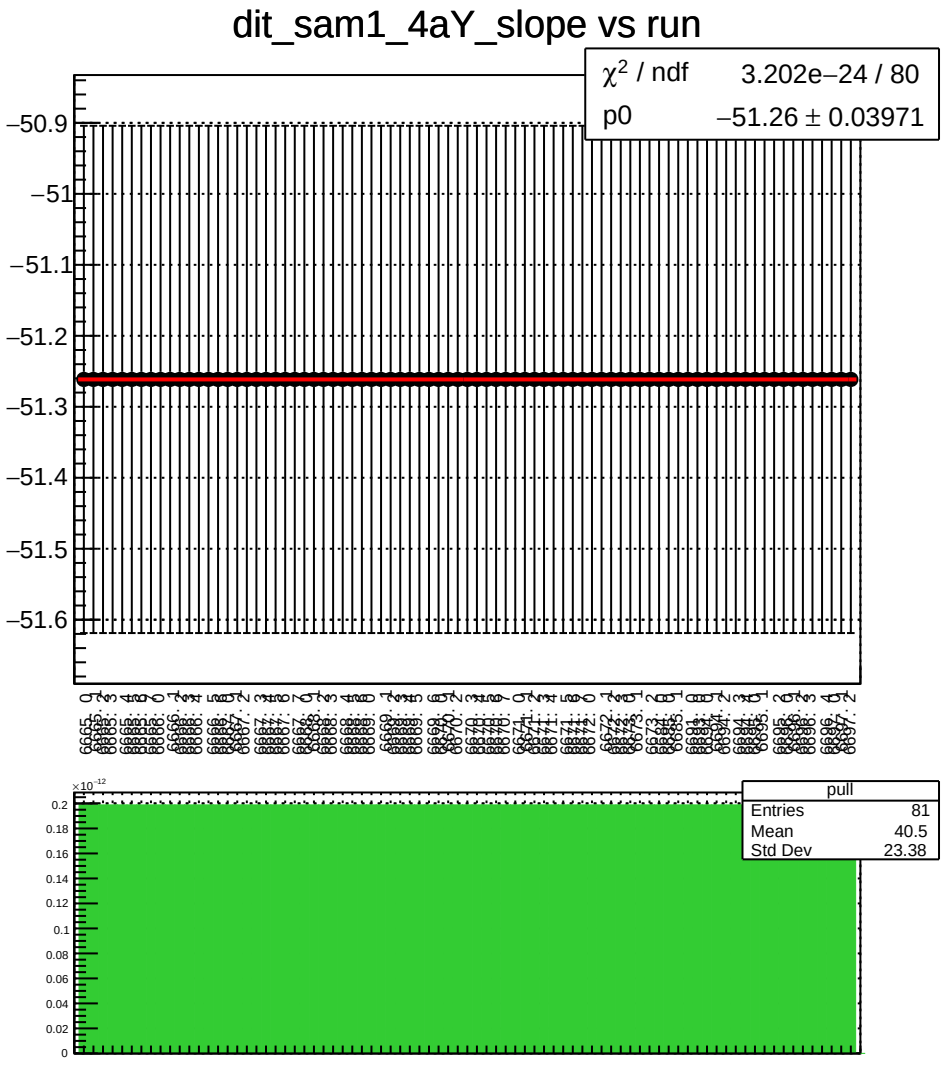

pull1D
Entries 81
Mean 2.212e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

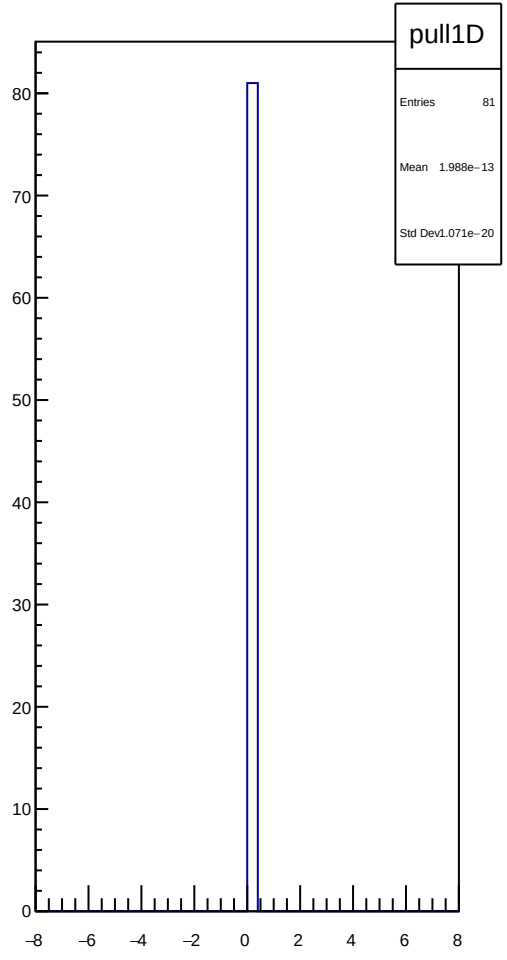

dit_sam1_4aX_slope vs run
χ² / ndf 3.623e−27 / 80
p0 1.31 ± 0.05902
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −6.688e−15
Std Dev3.512e−22

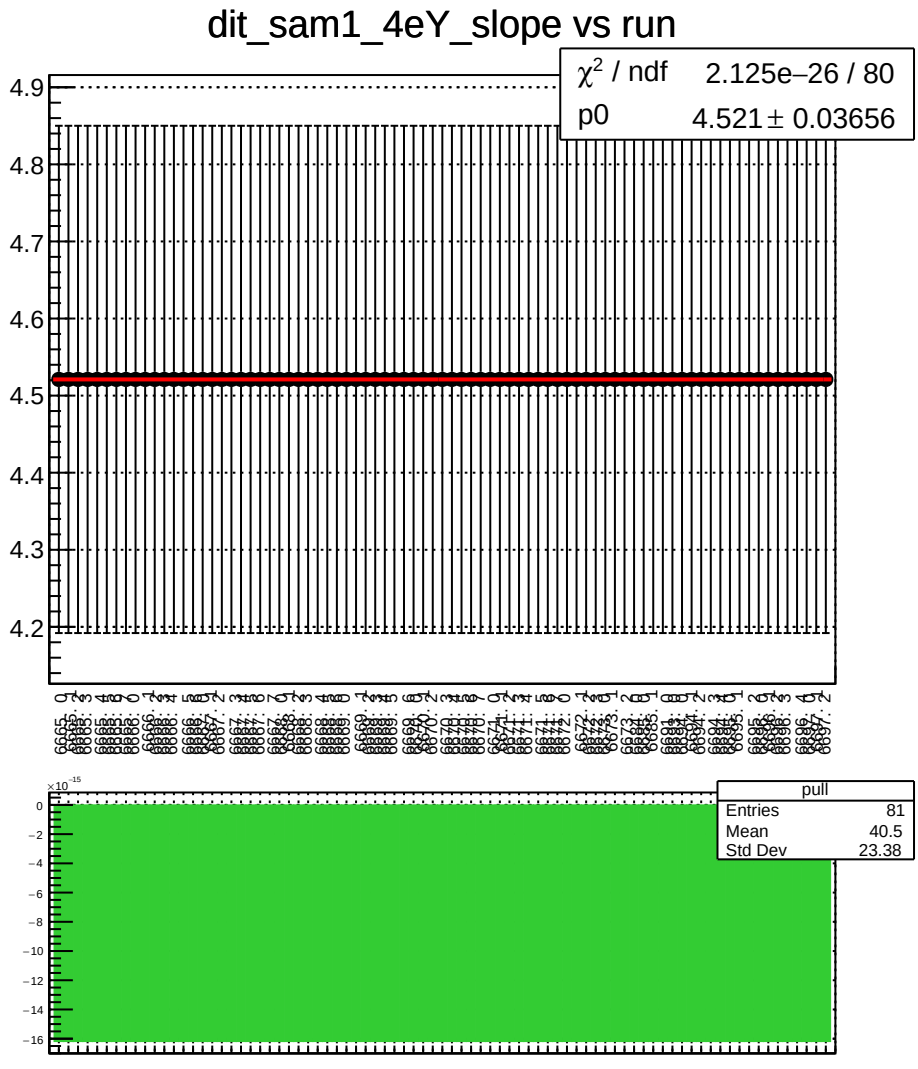

dit_sam1_4eX_slope vs run
χ² / ndf 1.997e−25 / 80
p0 −18.53 ± 0.0477
−18.2
−18.4
−18.6
−18.8
−19
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50

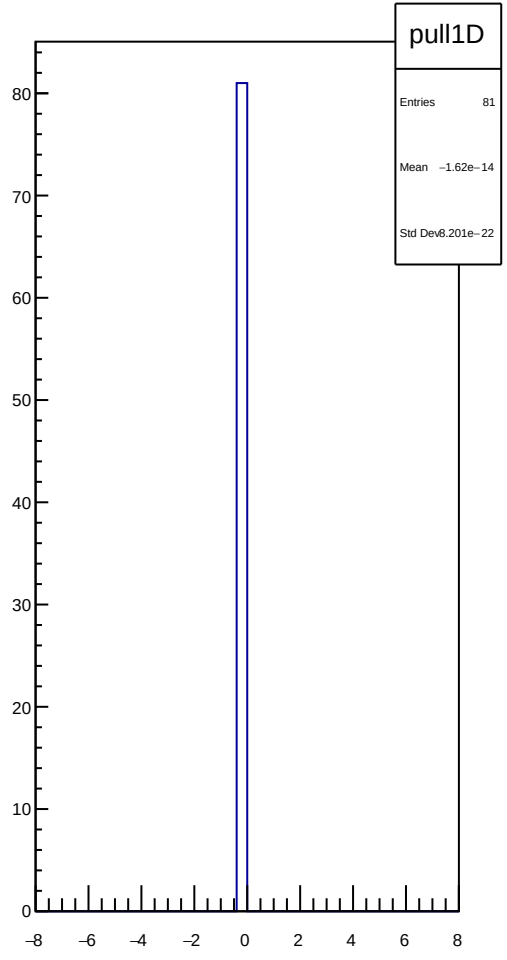

pull1D
Entries 81
Mean −4.966e−14
Std Dev2.995e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

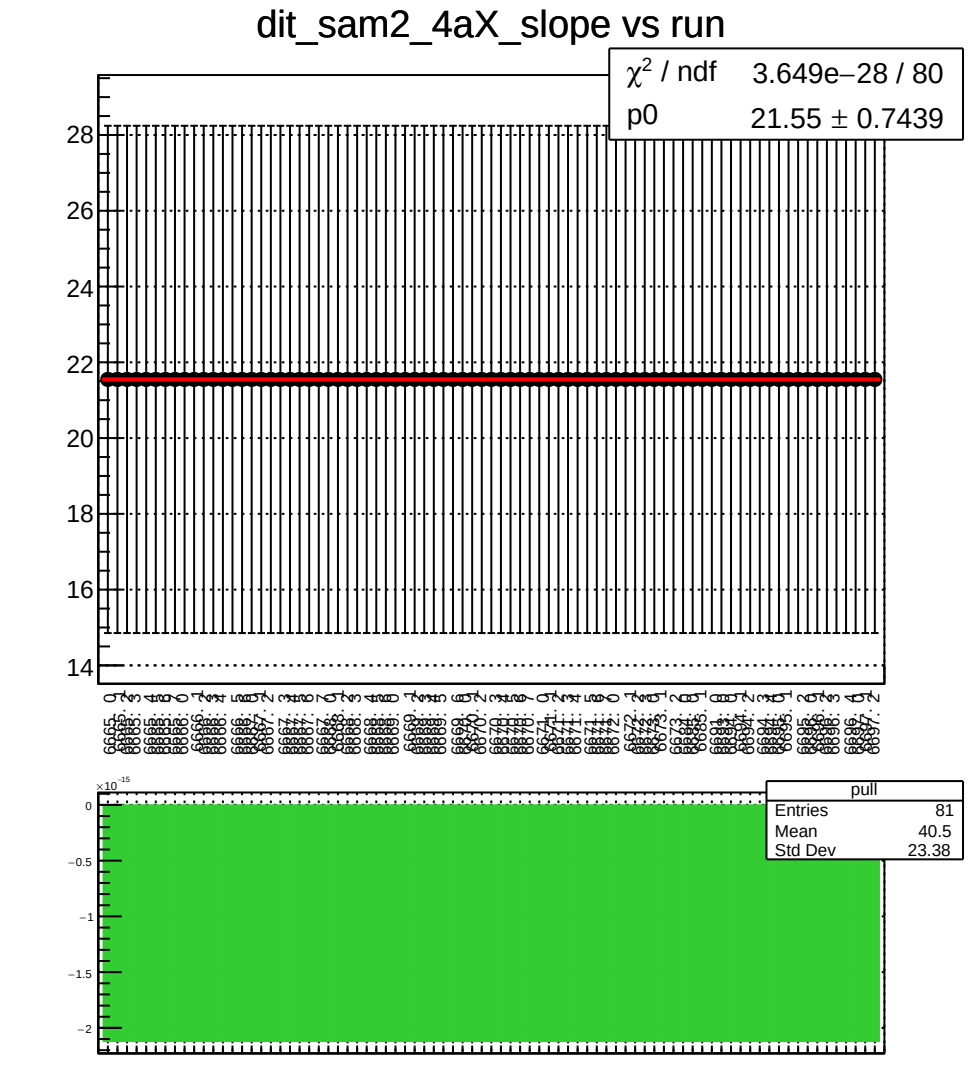

dit_sam1_11X12X_slope vs run
χ² / ndf 0 / 80
p0 0.3244 ± 0.001786
0.34
0.335
0.33
0.325
0.32
0.315
0.31
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

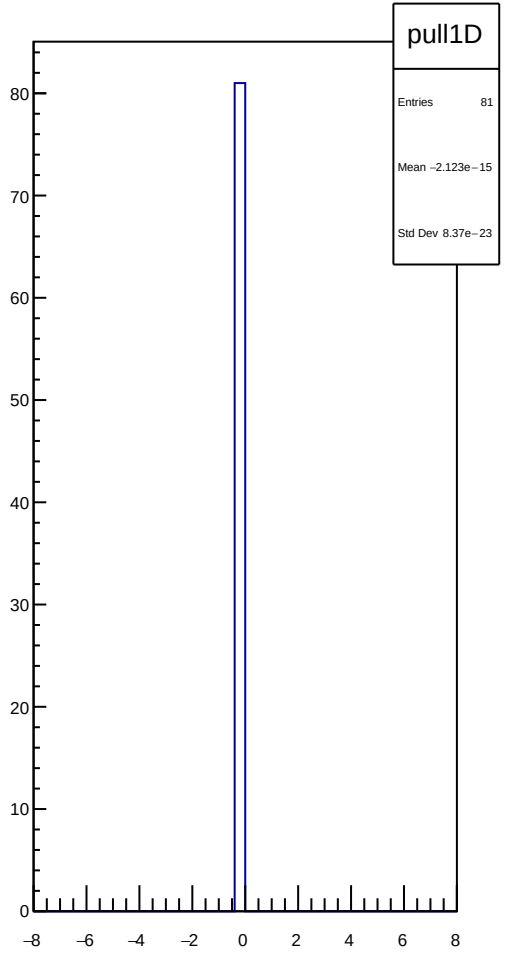

dit_sam1_4aY_slope vs run
χ² / ndf 3.202e−24 / 80
p0 −51.26 ± 0.03971
−50.9
−51
−51.1
−51.2
−51.3
−51.4
−51.5
−51.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

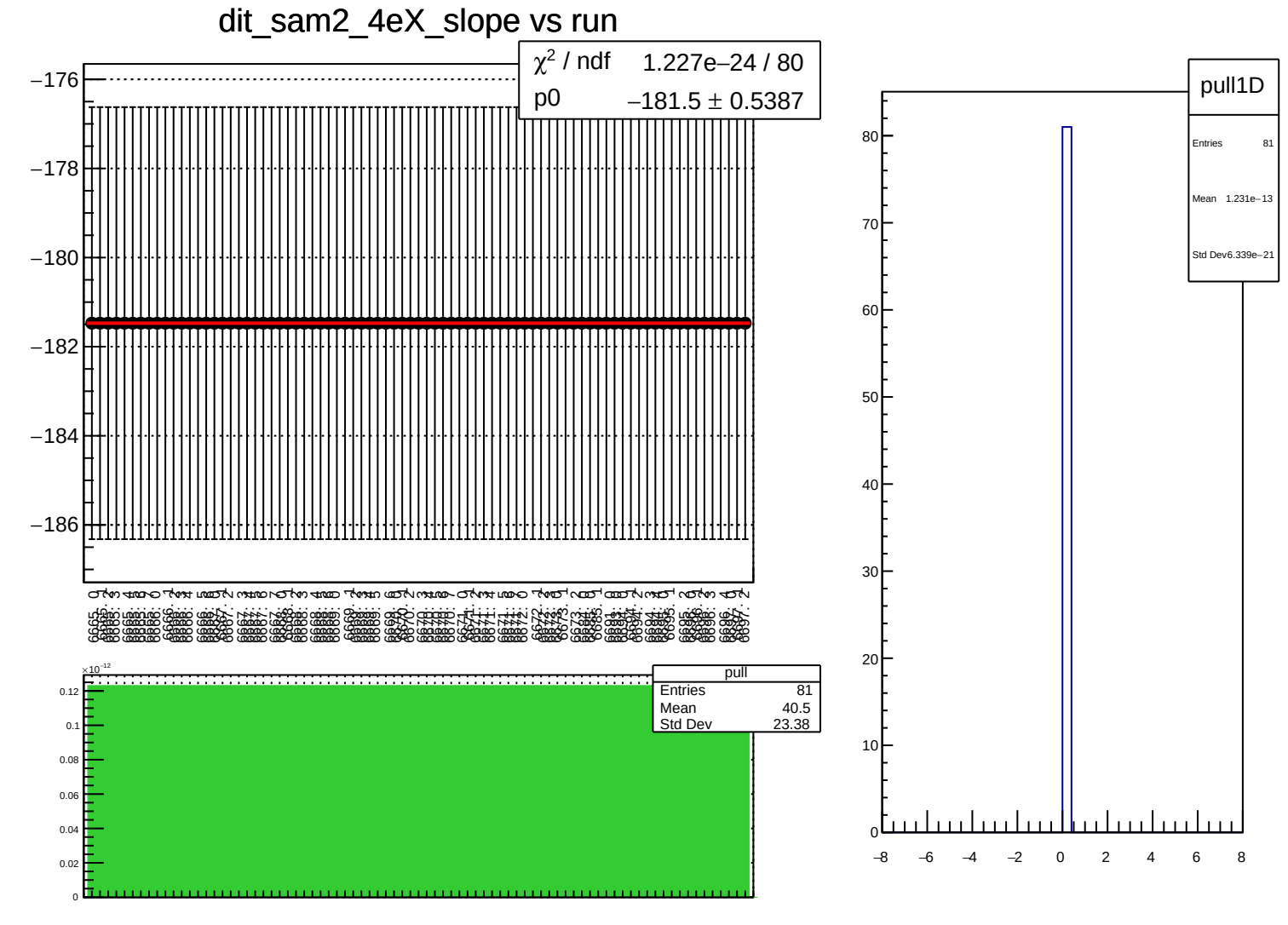

pull1D
Entries 81
Mean 1.988e−13
Std Dev1.071e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

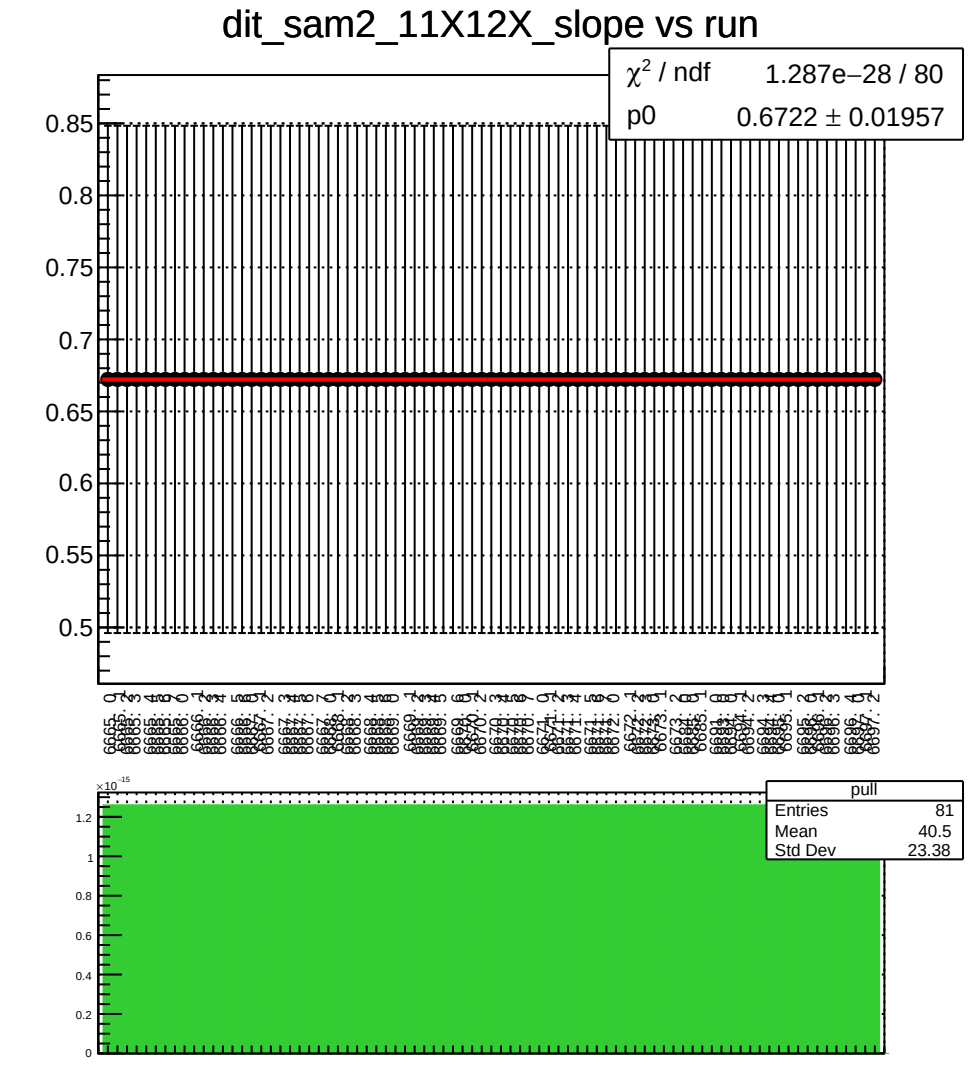

dit_sam1_4eY_slope vs run
χ² / ndf 2.125e−26 / 80
p0 4.521 ± 0.03656
4.9
4.8
4.7
4.6
4.5
4.4
4.3
4.2
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 81
Mean 40.5
Std Dev 23.38

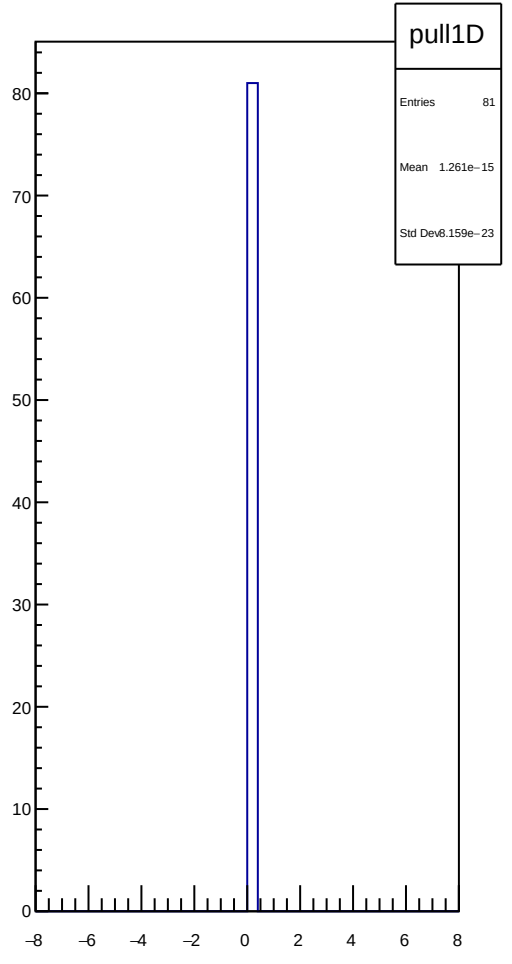

pull1D
Entries 81
Mean −1.62e−14
Std Dev 8.201e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

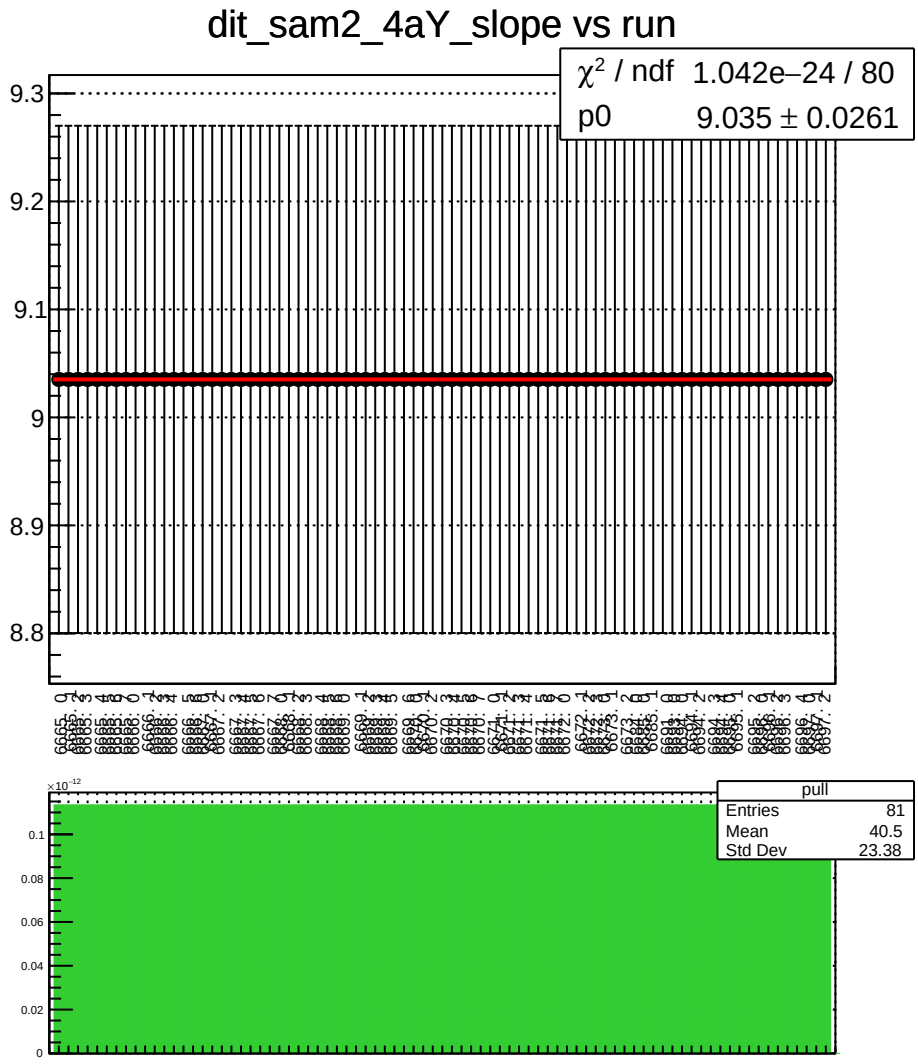

dit_sam2_4aX_slope vs run
χ² / ndf 3.649e−28 / 80
p0 21.55 ± 0.7439
28
26
24
22
20
18
16
14
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2

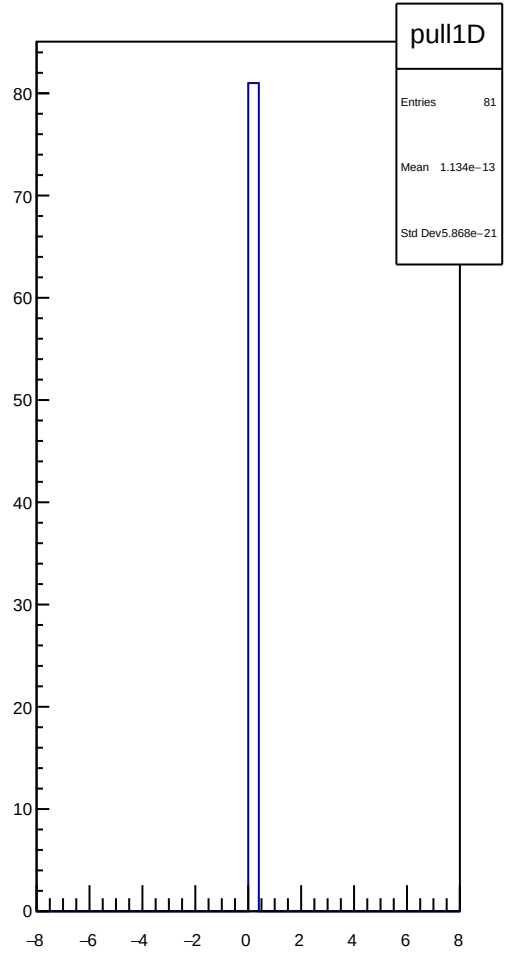

pull1D
Entries 81
Mean −2.123e−15
Std Dev 8.37e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

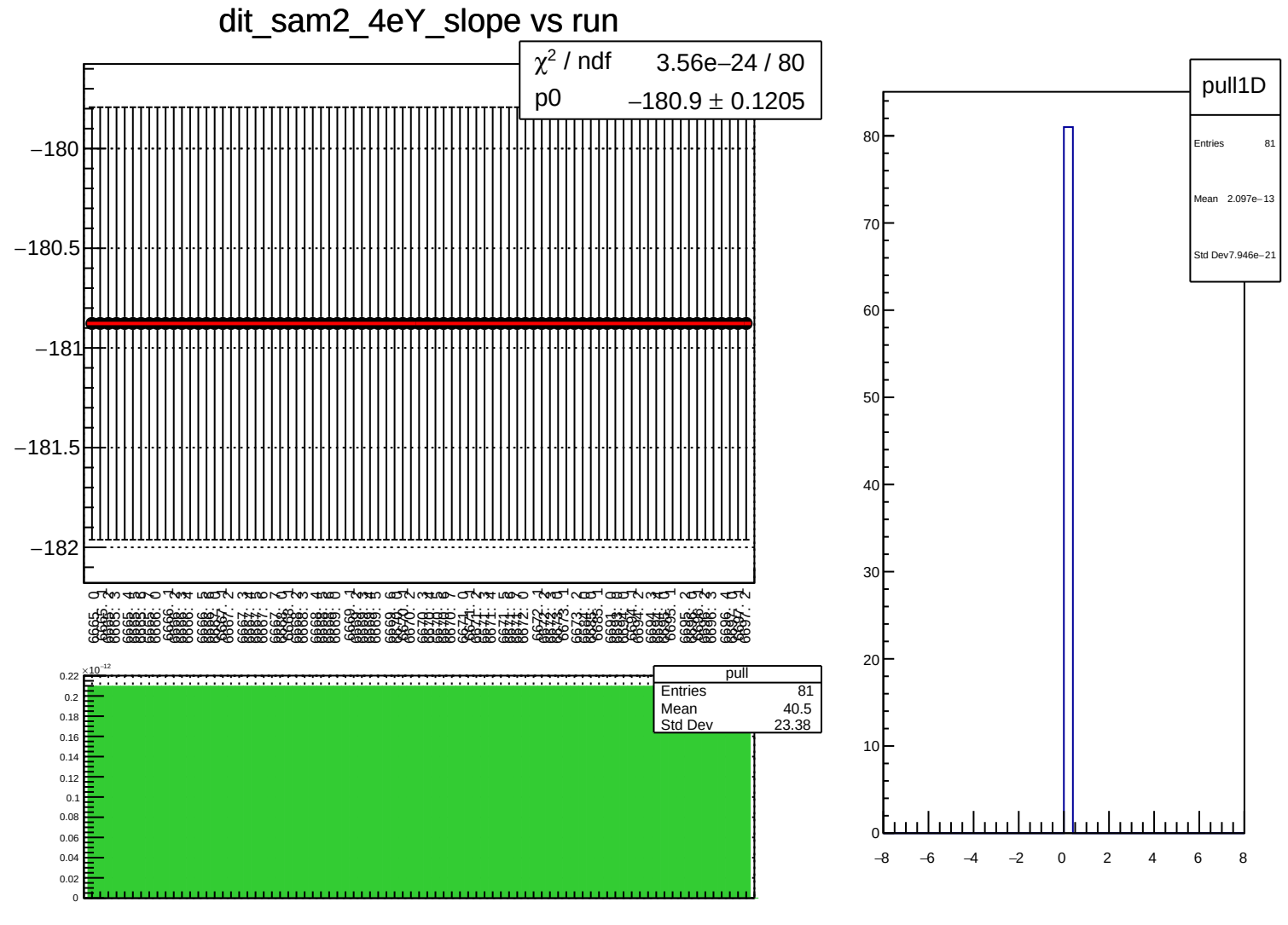

dit_sam2_4eX_slope vs run
χ² / ndf 1.227e−24 / 80
p0 −181.5 ± 0.5387
−176
−178
−180
−182
−184
−186
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 1.231e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

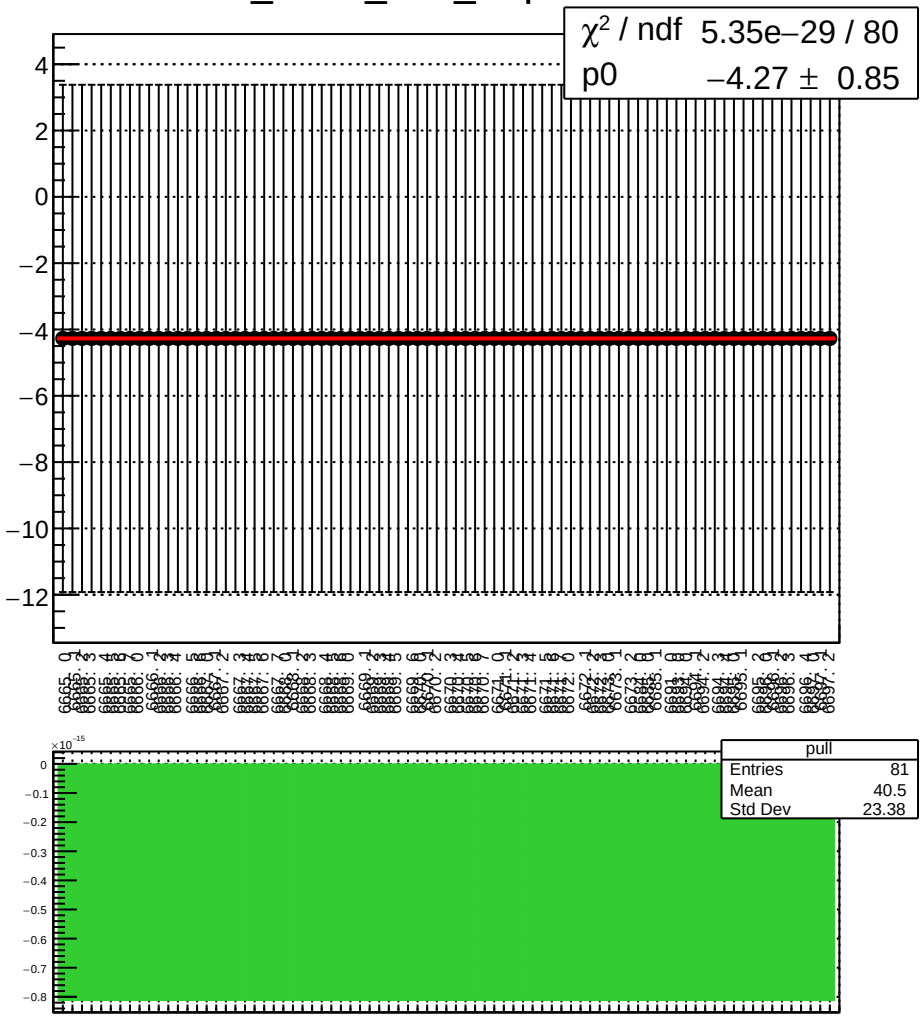

dit_sam2_11X12X_slope vs run
χ² / ndf 1.287e−28 / 80
p0 0.6722 ± 0.01957
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0

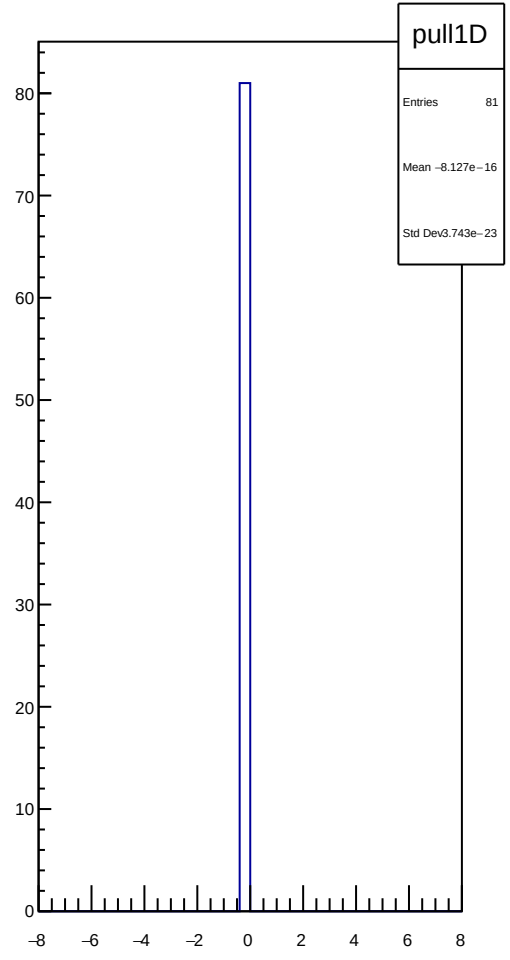

pull1D
Entries 81
Mean 1.261e−15
Std Dev 8.159e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

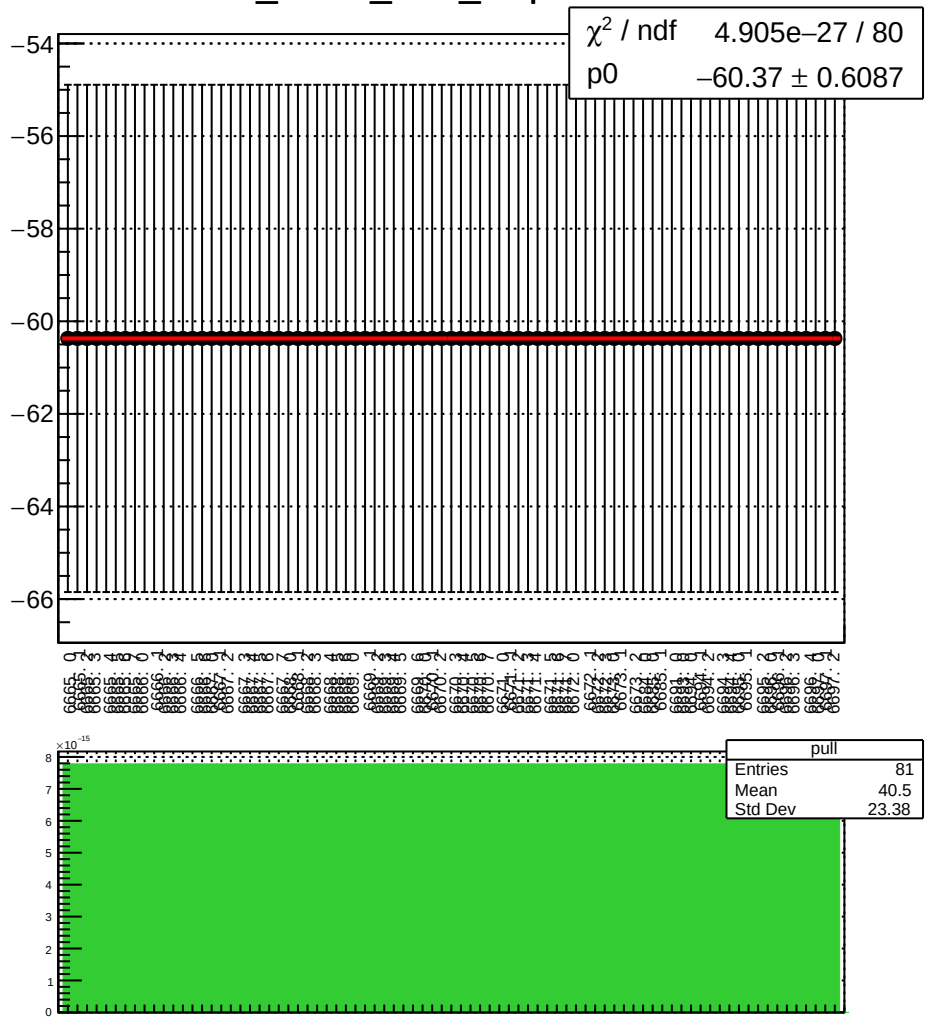

dit_sam2_4aY_slope vs run
$\chi^2$ / ndf 1.042e−24 / 80
p0 9.035 ± 0.0261
9.3
9.2
9.1
9
8.9
8.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

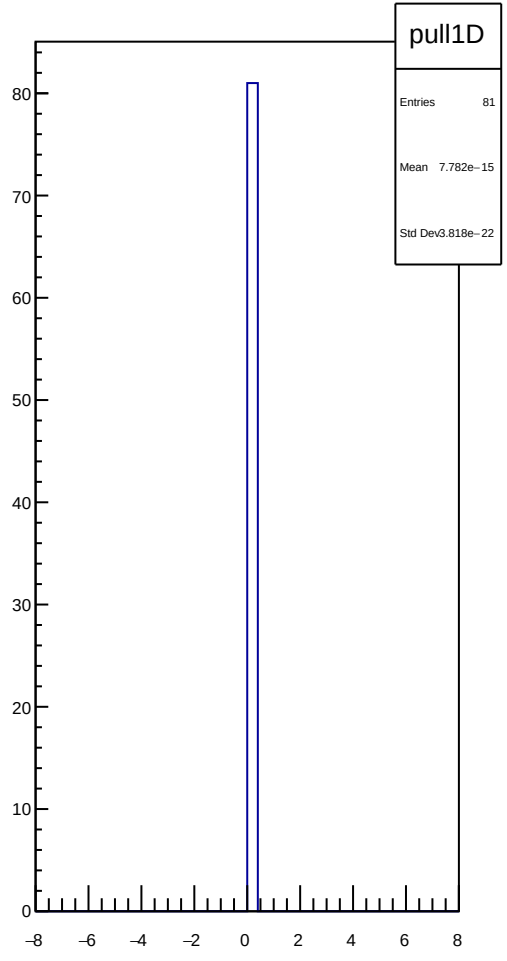

pull1D
Entries 81
Mean 1.134e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

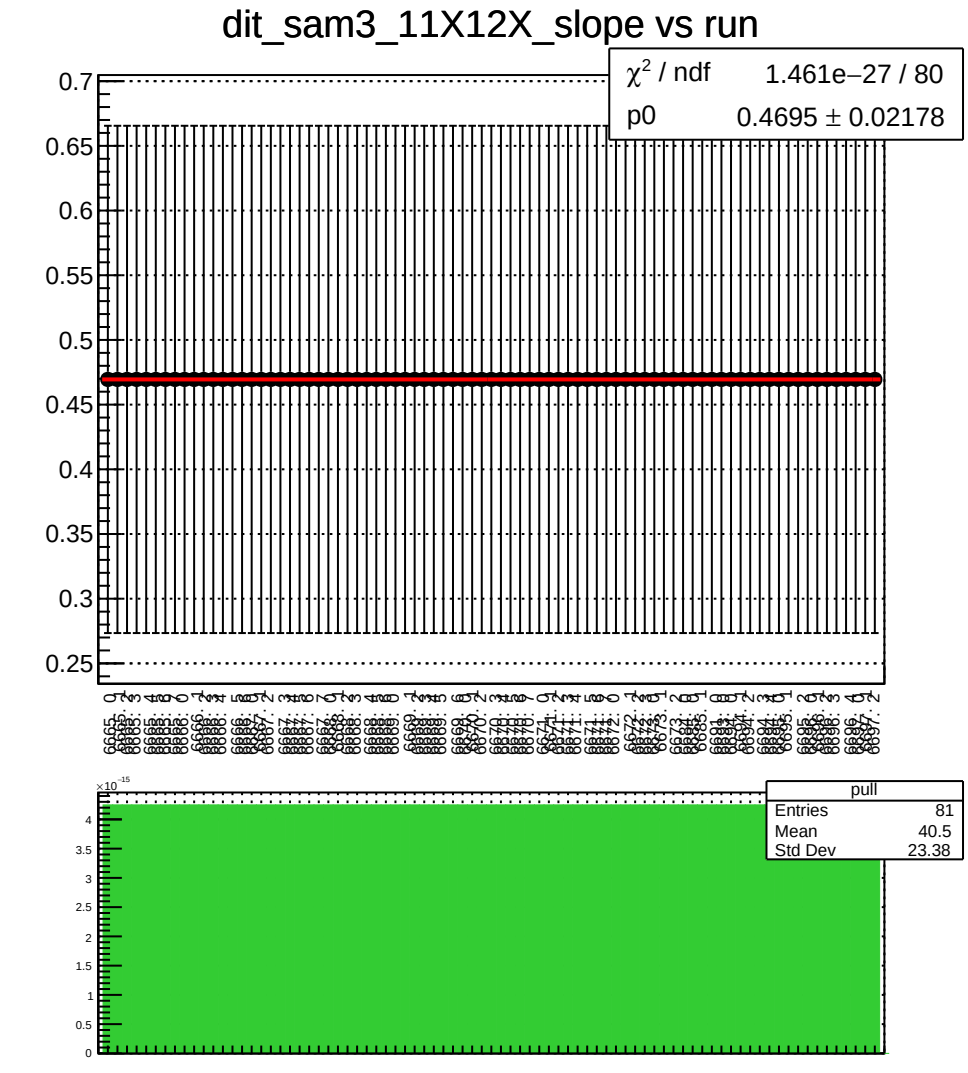

dit_sam2_4eY_slope vs run
χ² / ndf 3.56e−24 / 80
p0 −180.9 ± 0.1205
−180
−180.5
−181
−181.5
−182
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.097e−13
Std Dev7.946e−21

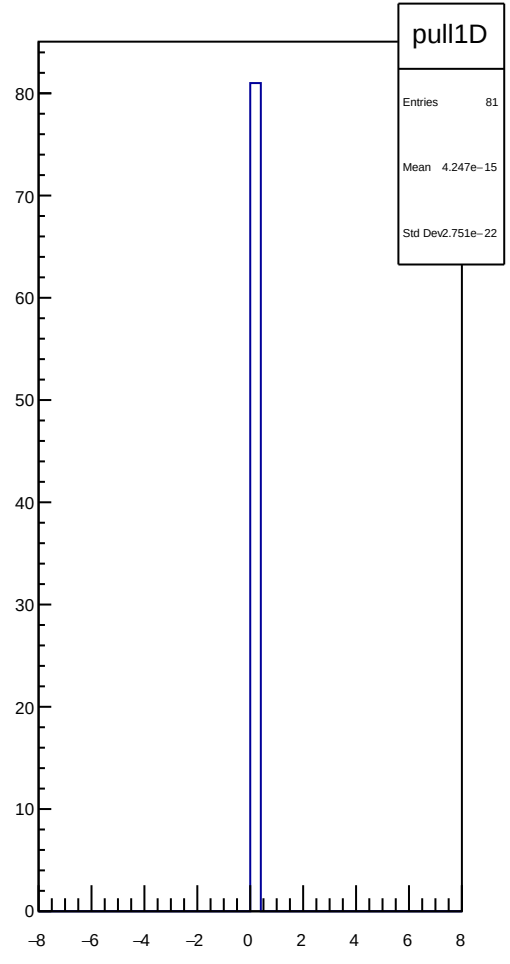

dit_sam3_4aX_slope vs run
χ² / ndf 5.35e−29 / 80
p0 −4.27 ± 0.85
pull
Entries 81
Mean 40.5
Std Dev 23.38

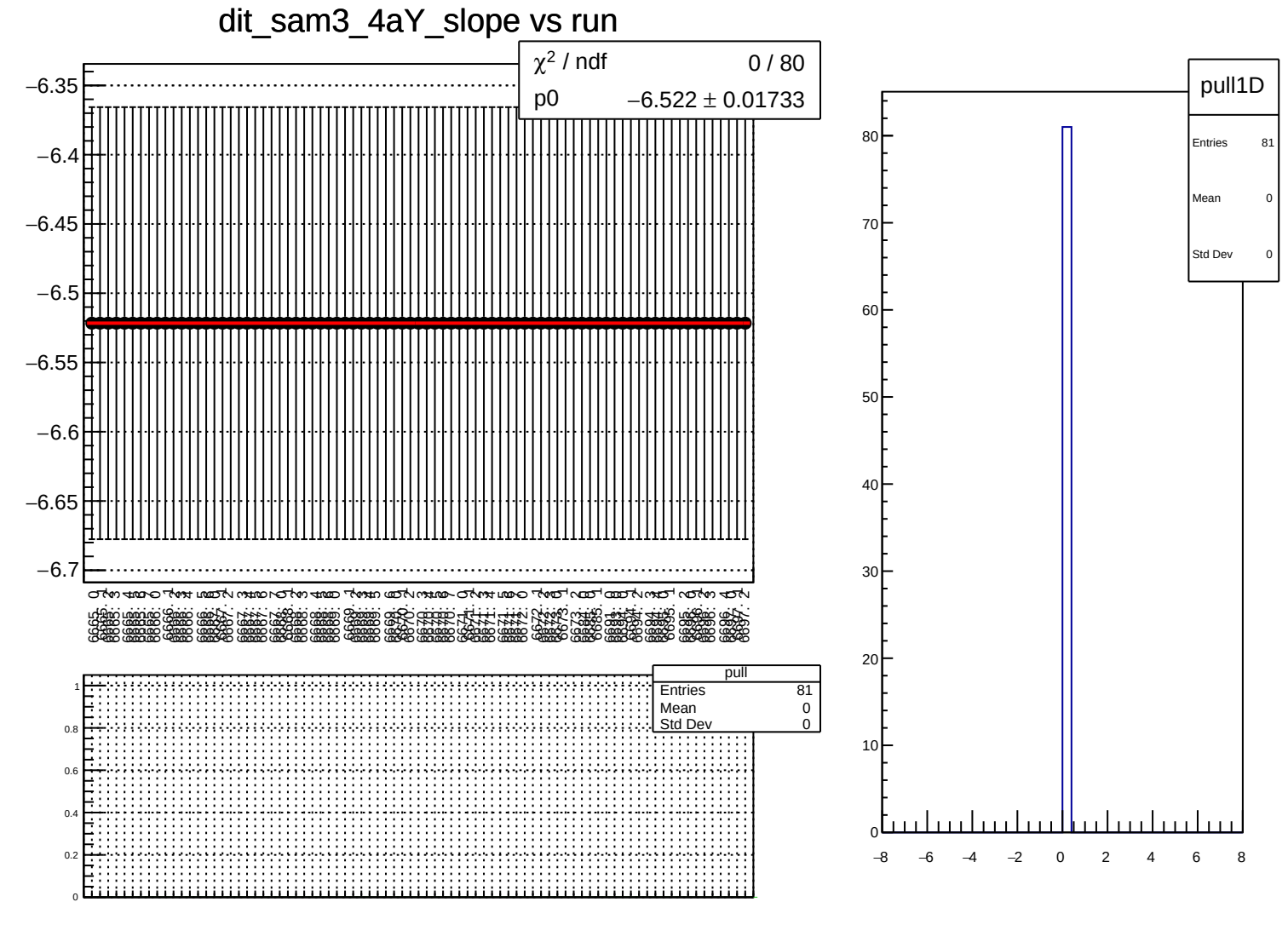

pull1D
Entries 81
Mean −8.127e−16
Std Dev 3.743e−23

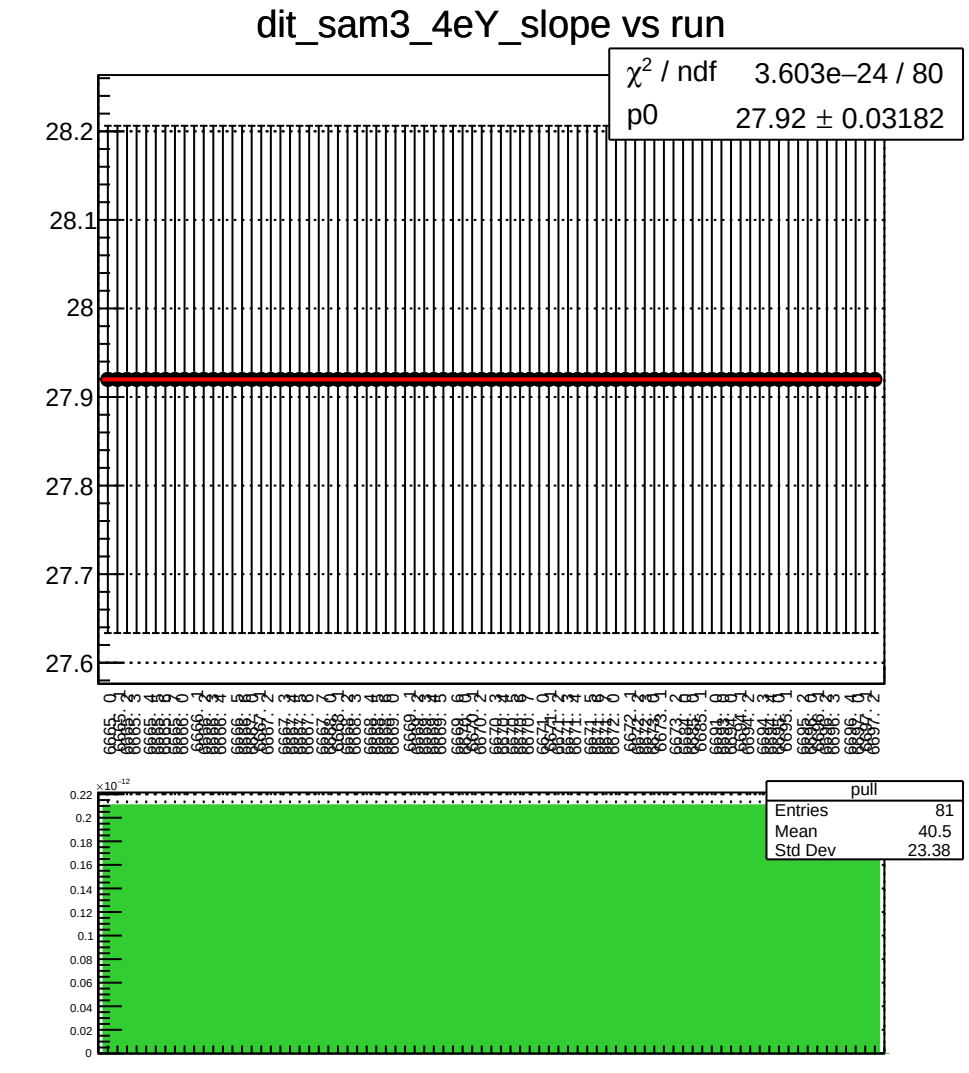

dit_sam3_4eX_slope vs run
χ² / ndf 4.905e−27 / 80
p0 −60.37 ± 0.6087
−54
−56
−58
−60
−62
−64
−66
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

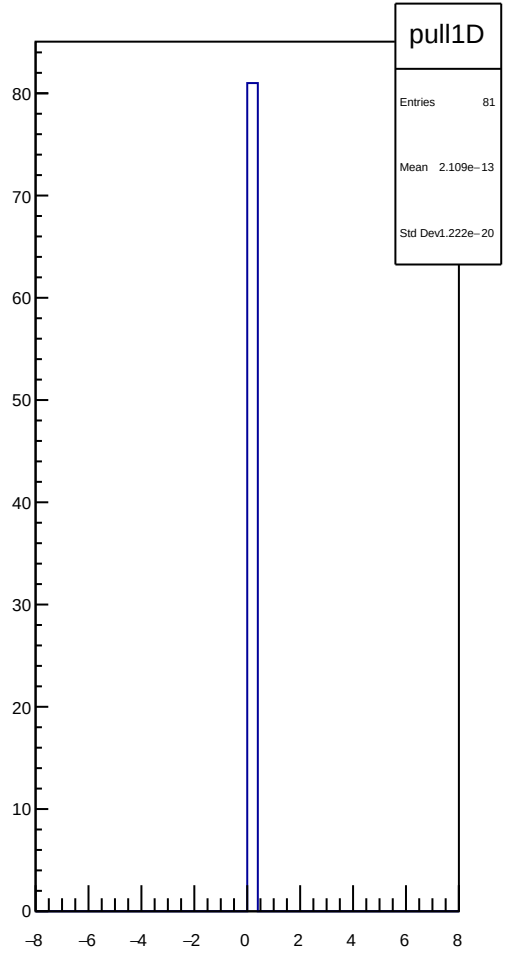

pull1D
Entries 81
Mean 7.782e−15
Std Dev 3.818e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

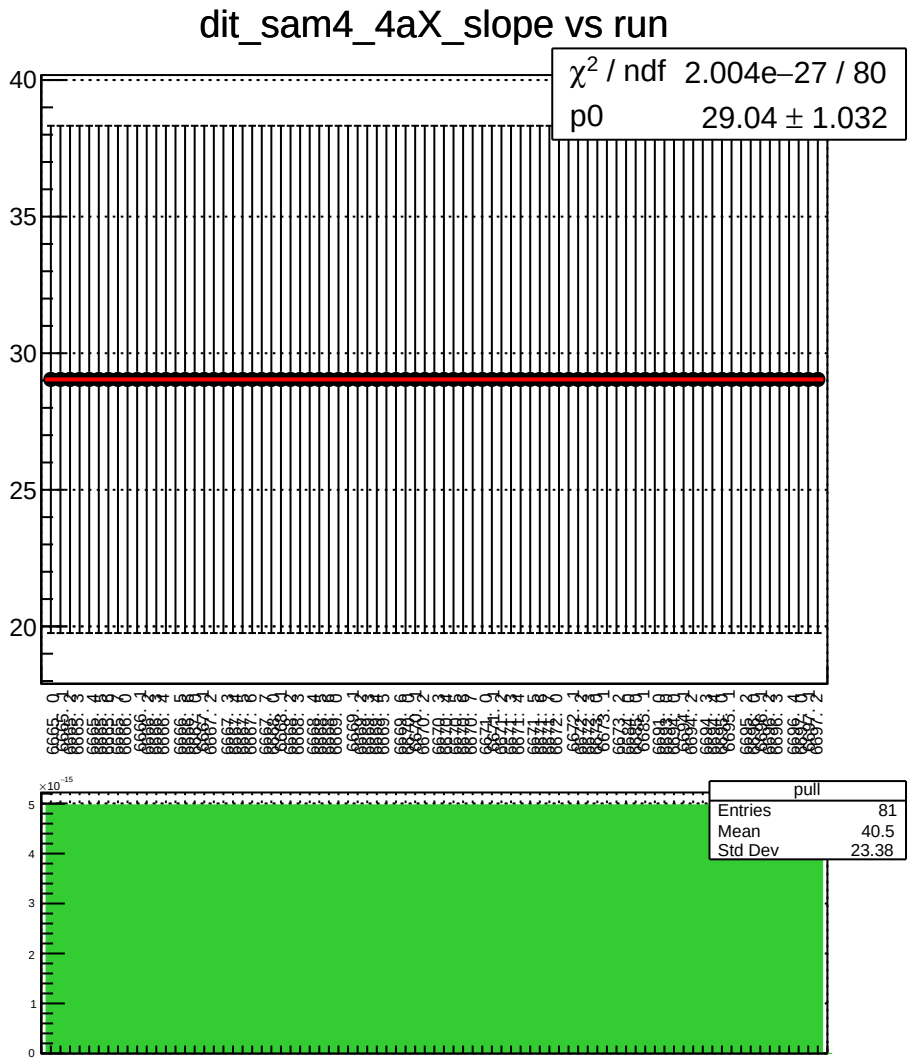

dit_sam3_11X12X_slope vs run
χ² / ndf 1.461e−27 / 80
p0 0.4695 ± 0.02178
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵

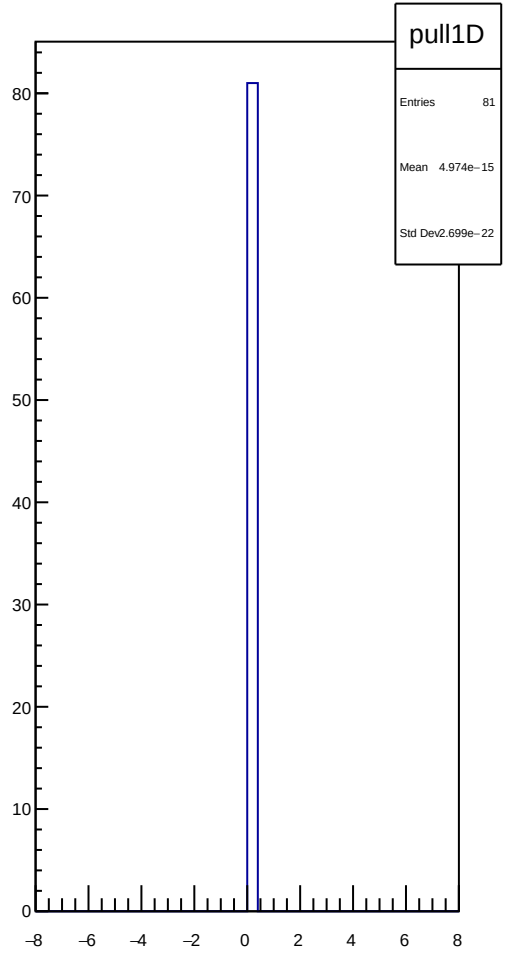

pull1D
Entries 81
Mean 4.247e−15
Std Dev 2.751e−22

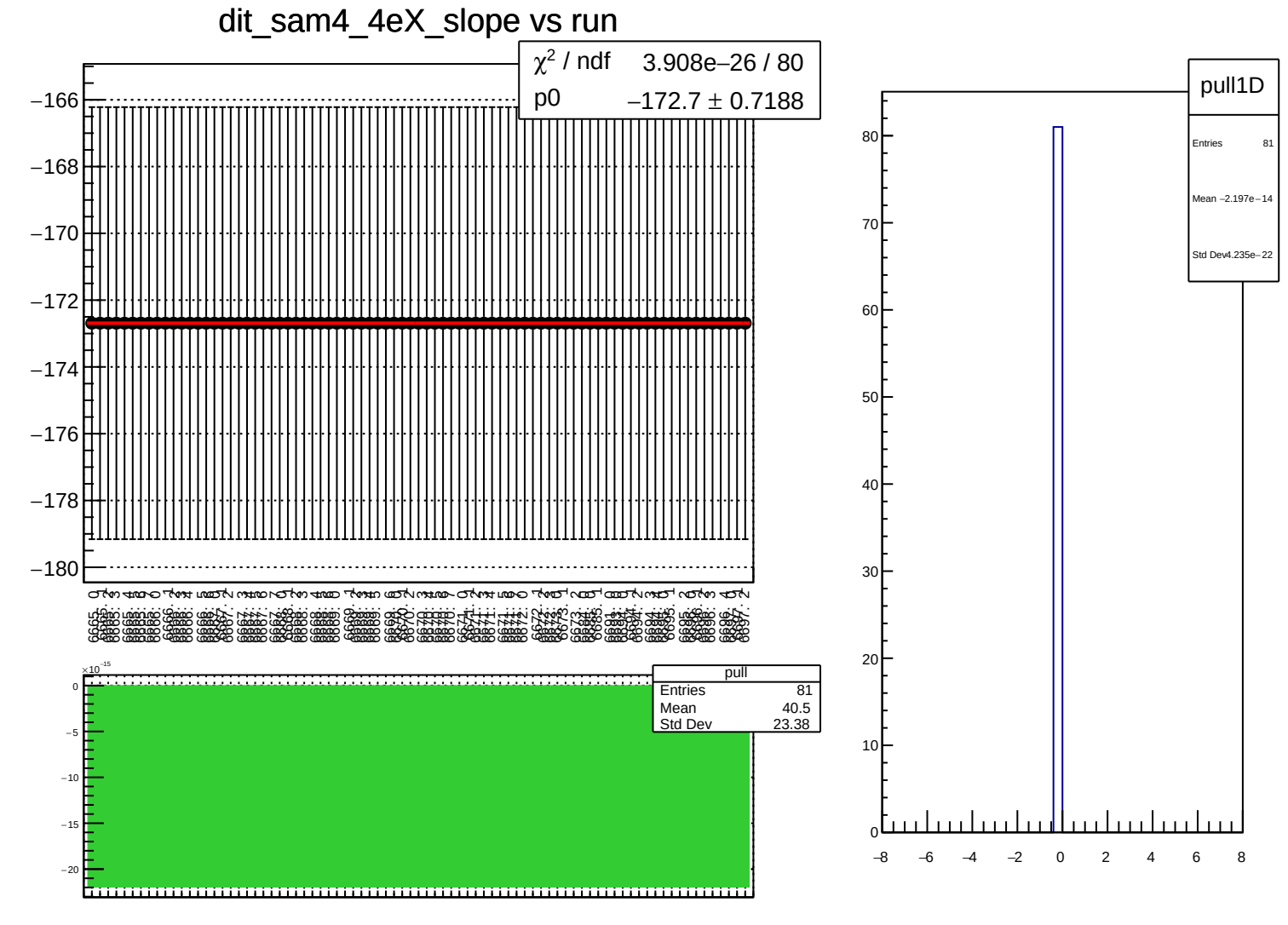

dit_sam3_4aY_slope vs run
χ² / ndf 0 / 80
p0 −6.522 ± 0.01733
−6.35
−6.4
−6.45
−6.5
−6.55
−6.6
−6.65
−6.7
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

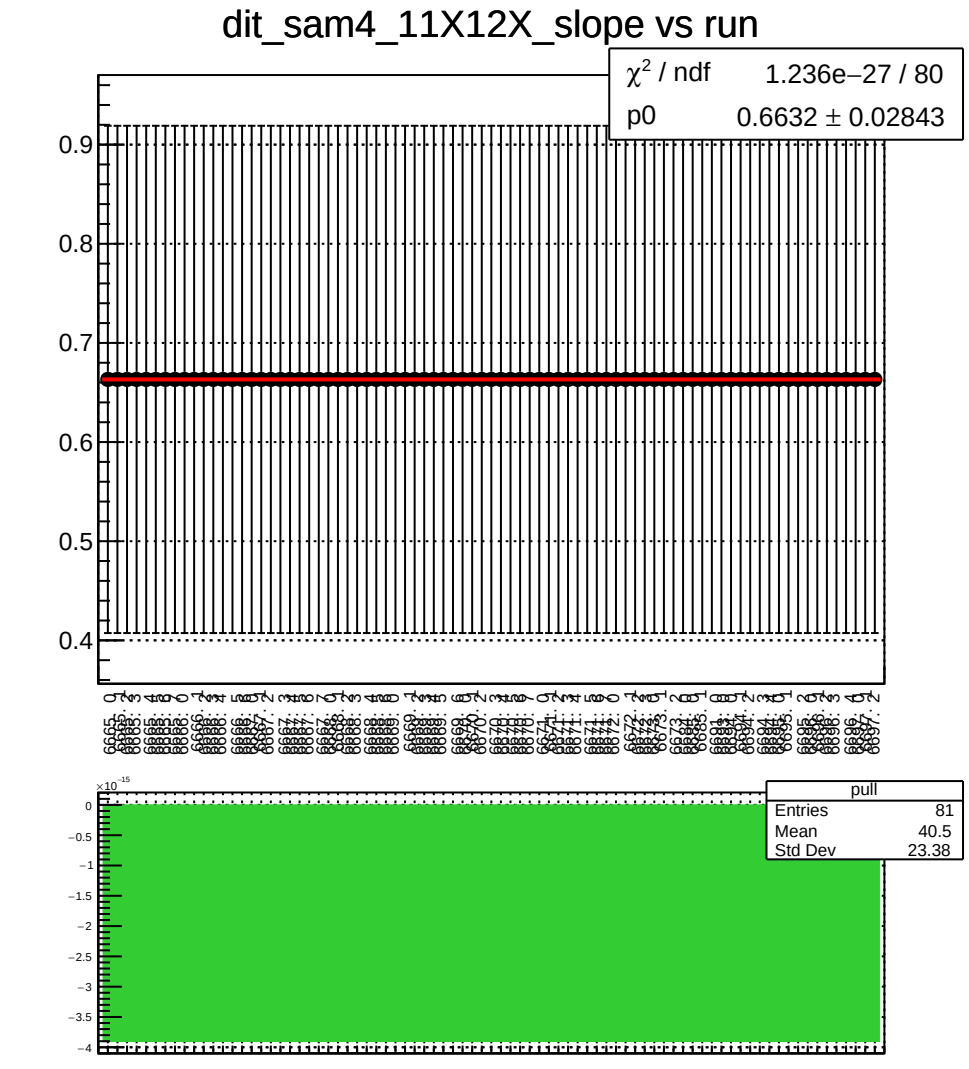

dit_sam3_4eY_slope vs run
χ² / ndf 3.603e−24 / 80
p0 27.92 ± 0.03182
28.2
28.1
28
27.9
27.8
27.7
27.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

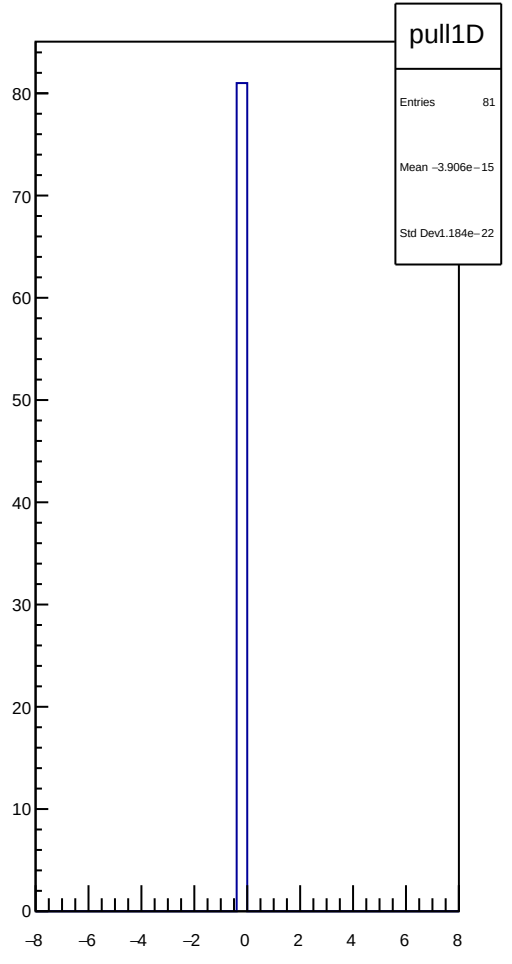

pull1D
Entries 81
Mean 2.109e−13
Std Dev1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

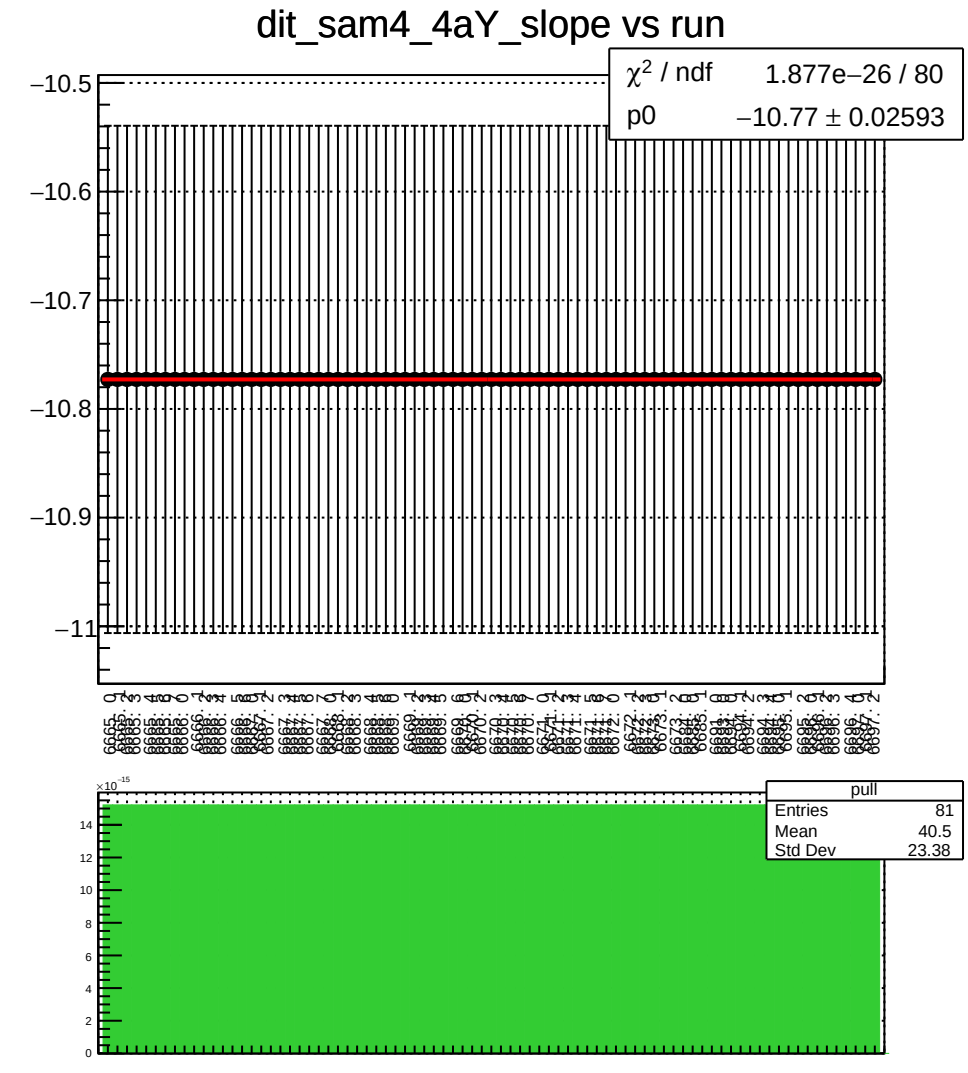

dit_sam4_4aX_slope vs run
$\chi^2$ / ndf 2.004e−27 / 80
p0 29.04 ± 1.032
pull
Entries 81
Mean 40.5
Std Dev 23.38

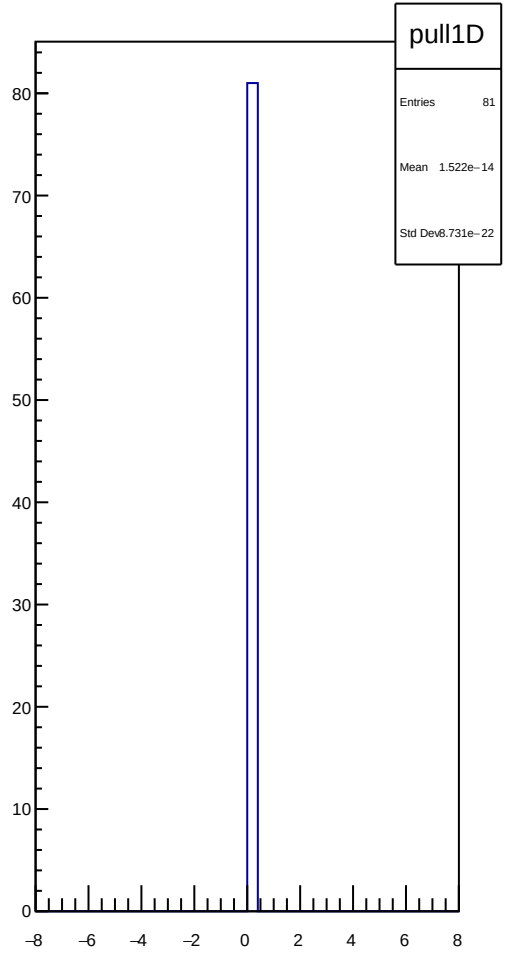

pull1D
Entries 81
Mean 4.974e−15
Std Dev 2.699e−22

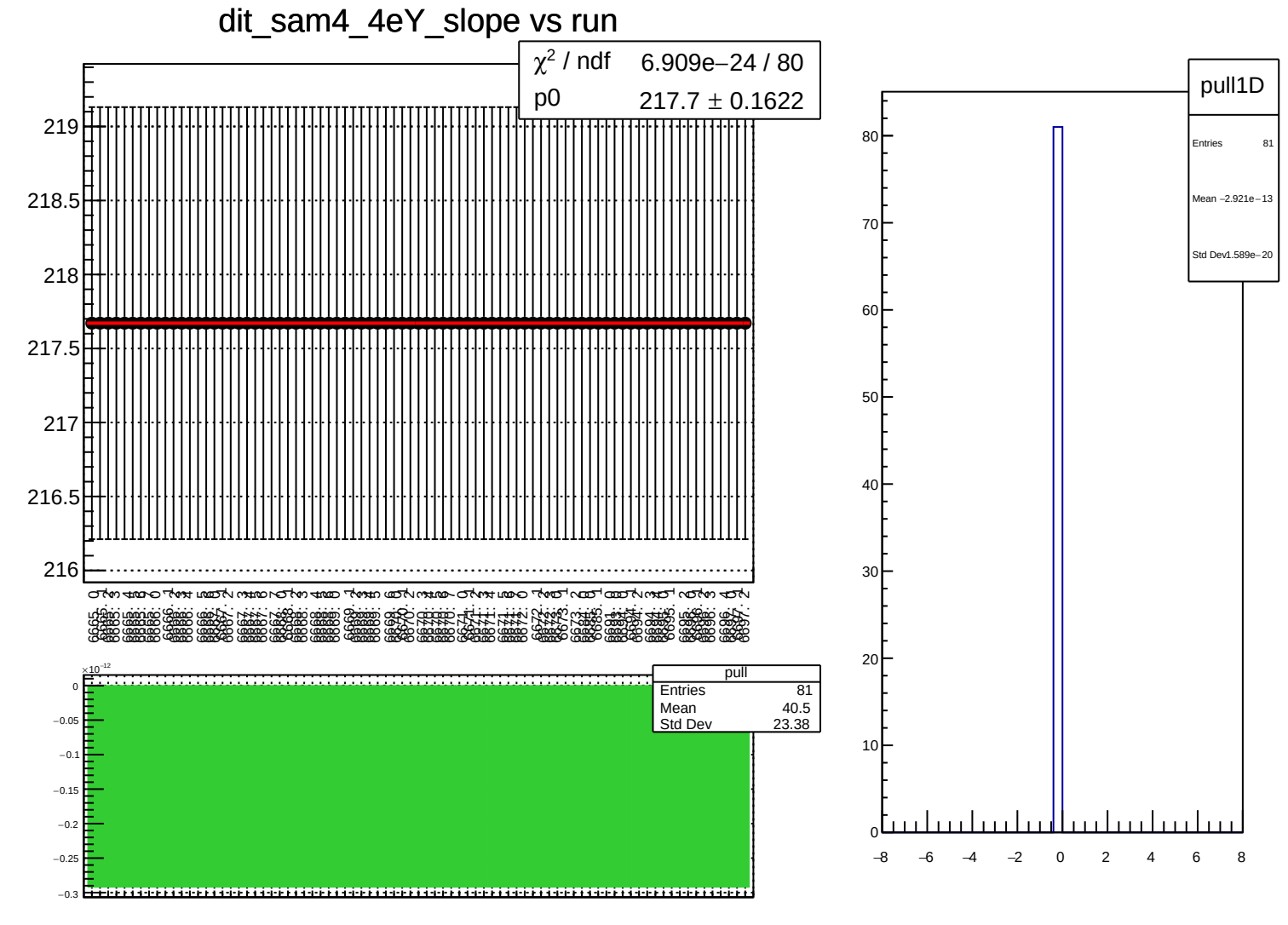

dit_sam4_4eX_slope vs run
χ² / ndf 3.908e−26 / 80
p0 −172.7 ± 0.7188
−166
−168
−170
−172
−174
−176
−178
−180
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 81
Mean −2.197e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

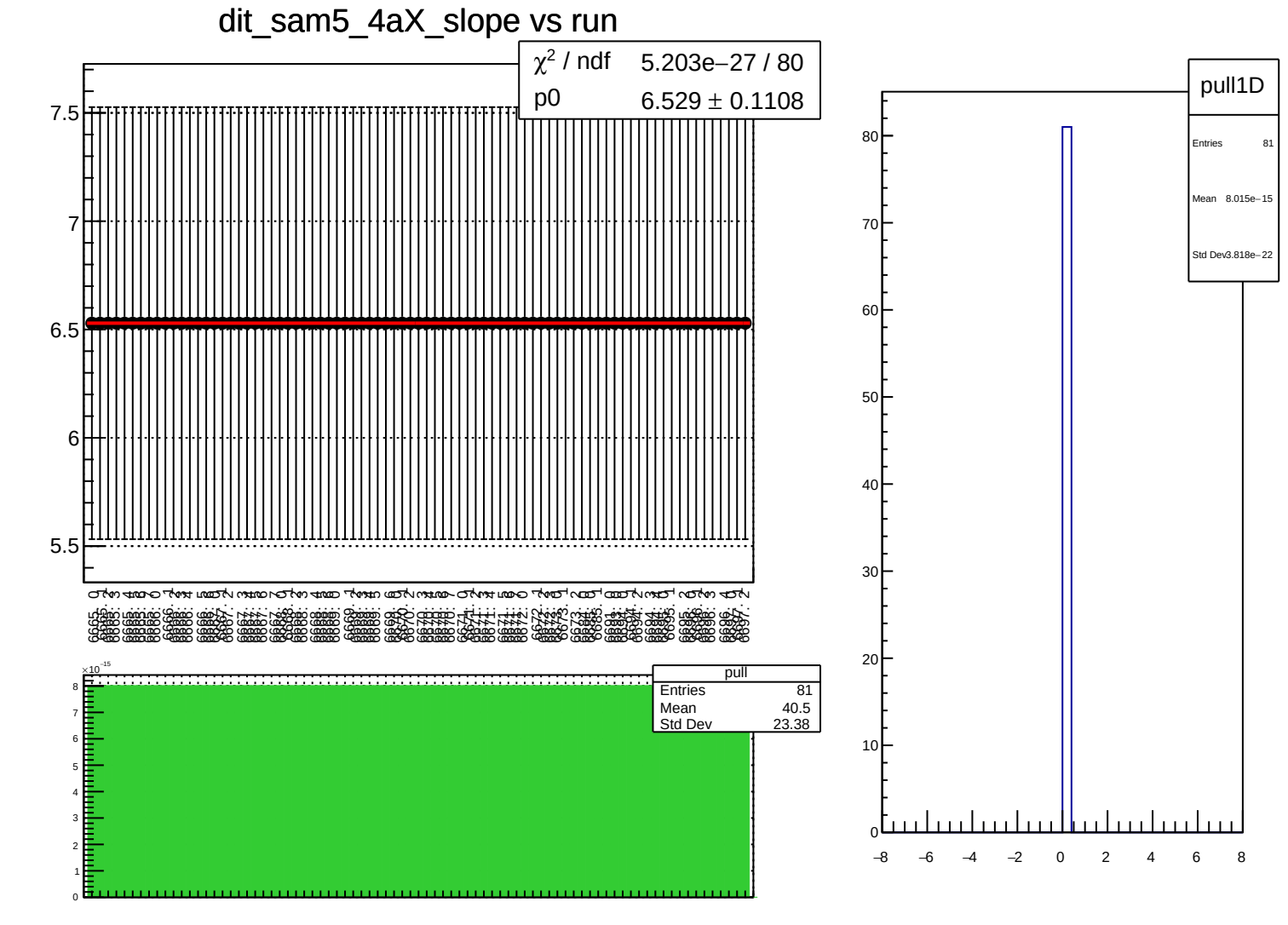

dit_sam4_11X12X_slope vs run
χ² / ndf 1.236e−27 / 80
p0 0.6632 ± 0.02843
0.9
0.8
0.7
0.6
0.5
0.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

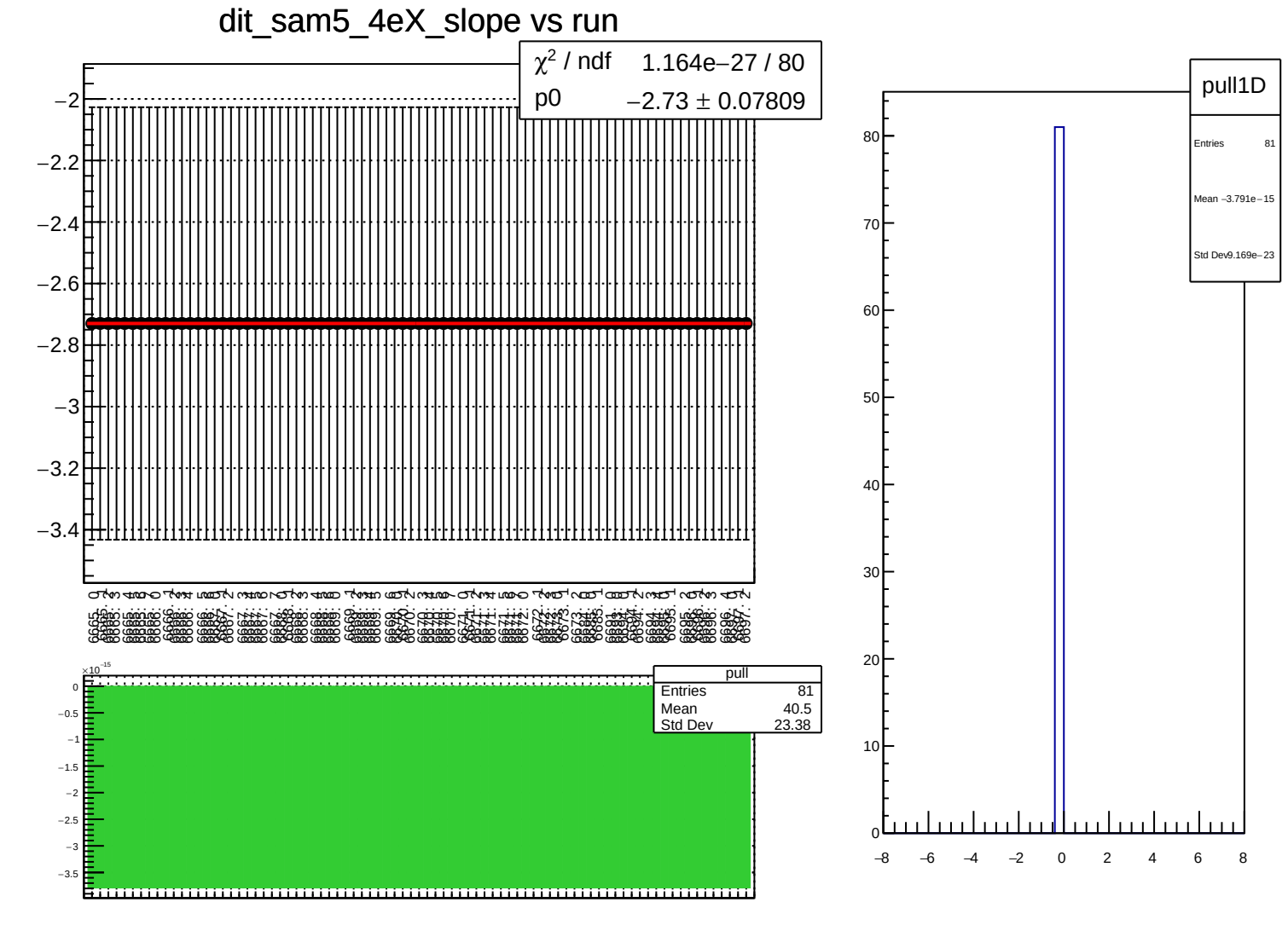

pull1D
Entries 81
Mean −3.906e−15
Std Dev1.184e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

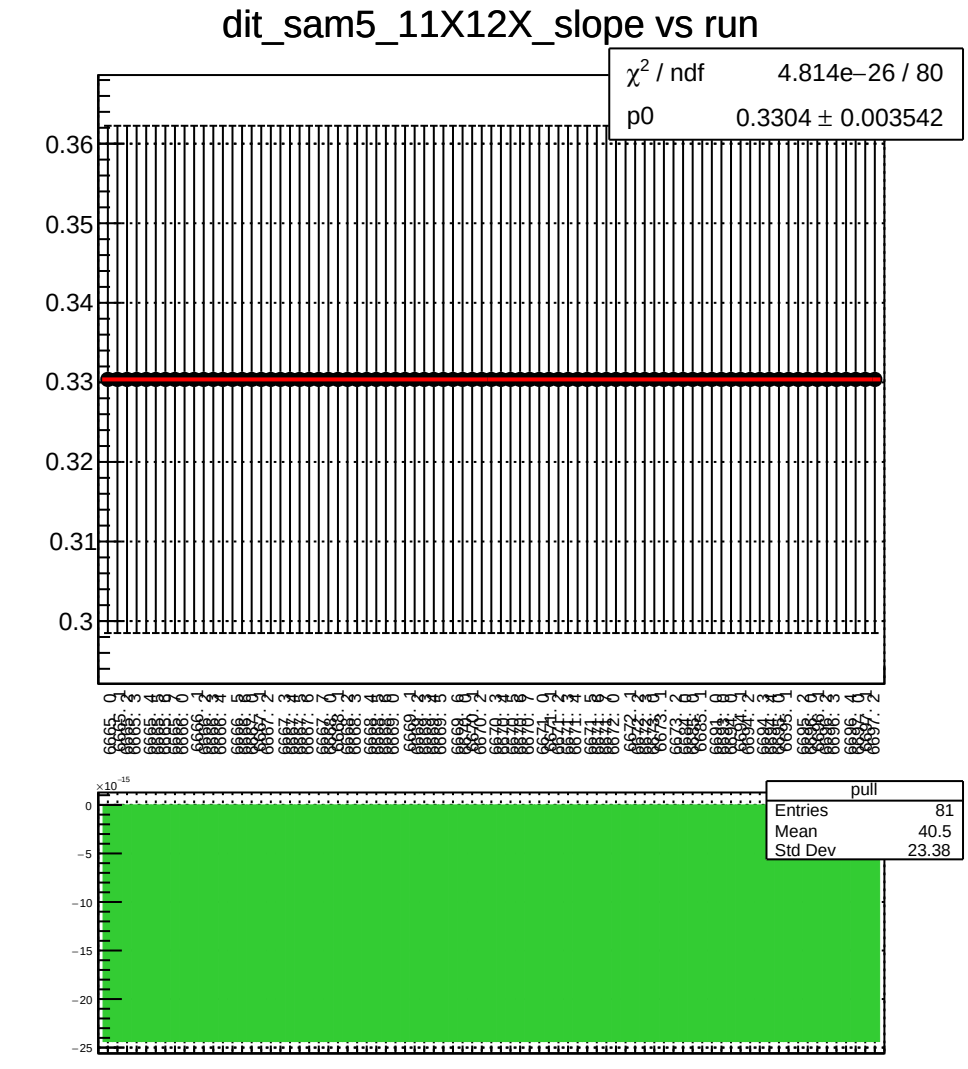

dit_sam4_4aY_slope vs run
χ² / ndf 1.877e−26 / 80
p0 −10.77 ± 0.02593
−10.5
−10.6
−10.7
−10.8
−10.9
−11
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
14
12
10
8
6
4
2
0

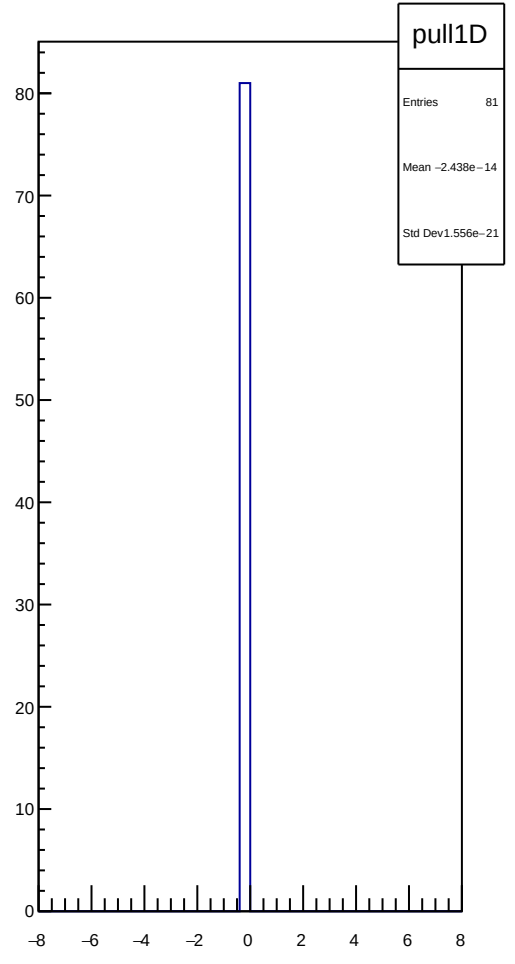

pull1D
Entries 81
Mean 1.522e−14
Std Dev 8.731e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

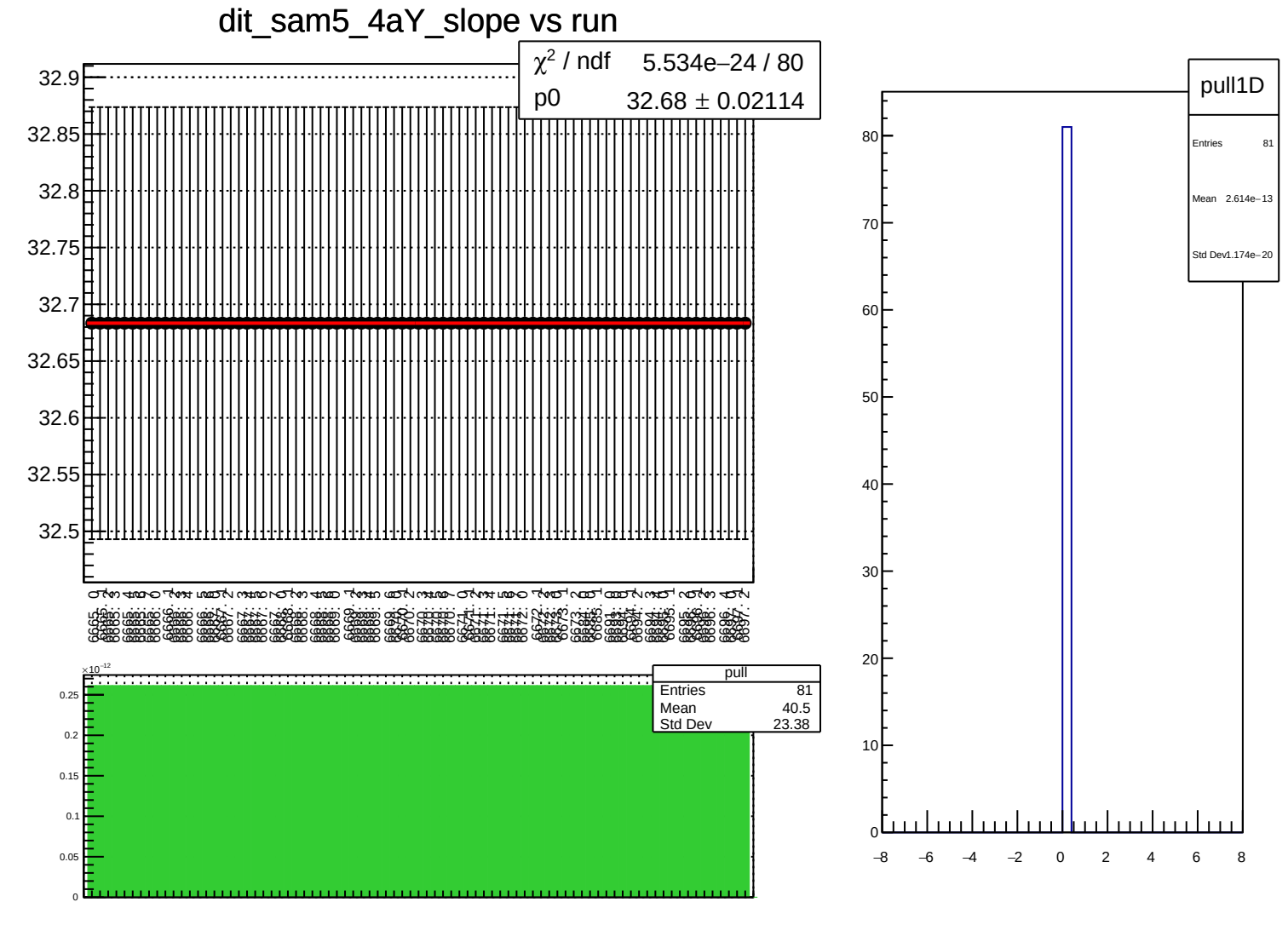

dit_sam4_4eY_slope vs run
χ² / ndf 6.909e−24 / 80
p0 217.7 ± 0.1622
219
218.5
218
217.5
217
216.5
216
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 81
Mean −2.921e−13
Std Dev1.589e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

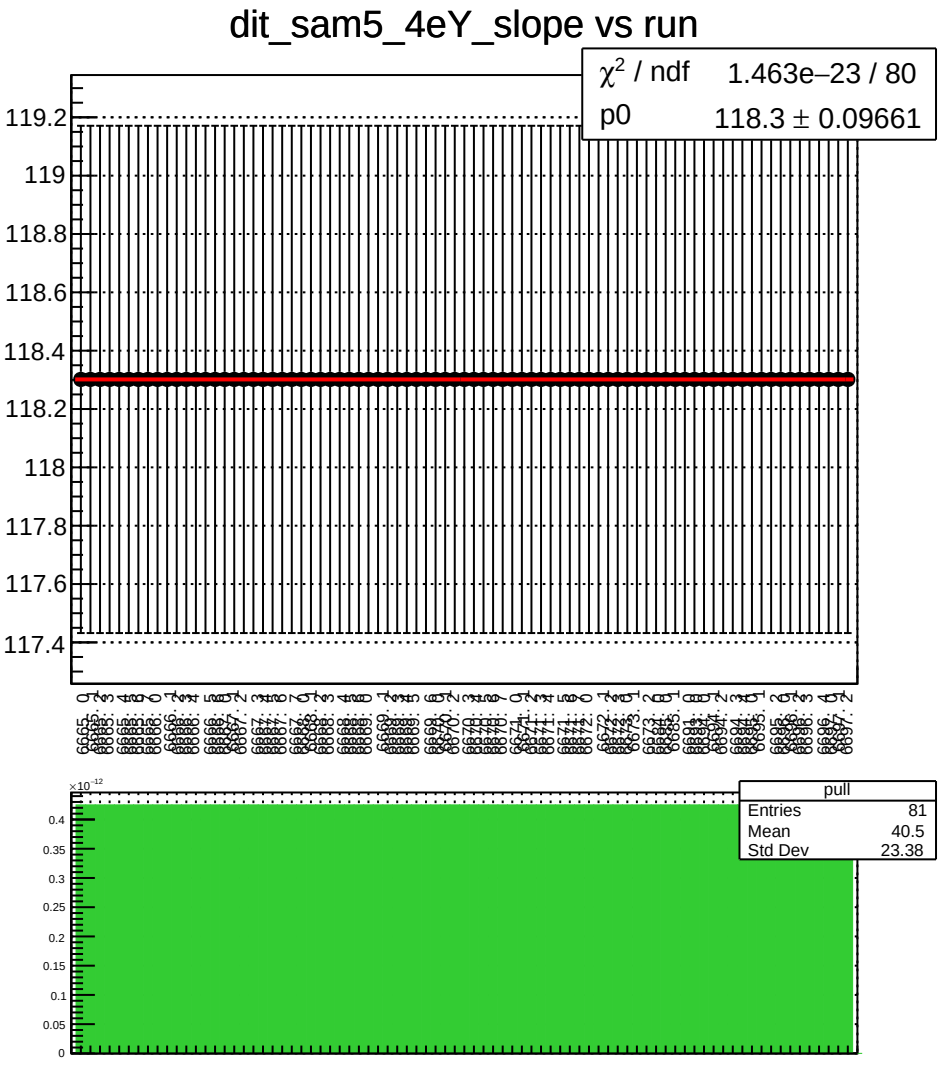

dit_sam5_4aX_slope vs run
$\chi^2$ / ndf 5.203e−27 / 80
p0 6.529 ± 0.1108
7.5
7
6.5
6
5.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 8.015e−15
Std Dev 3.818e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

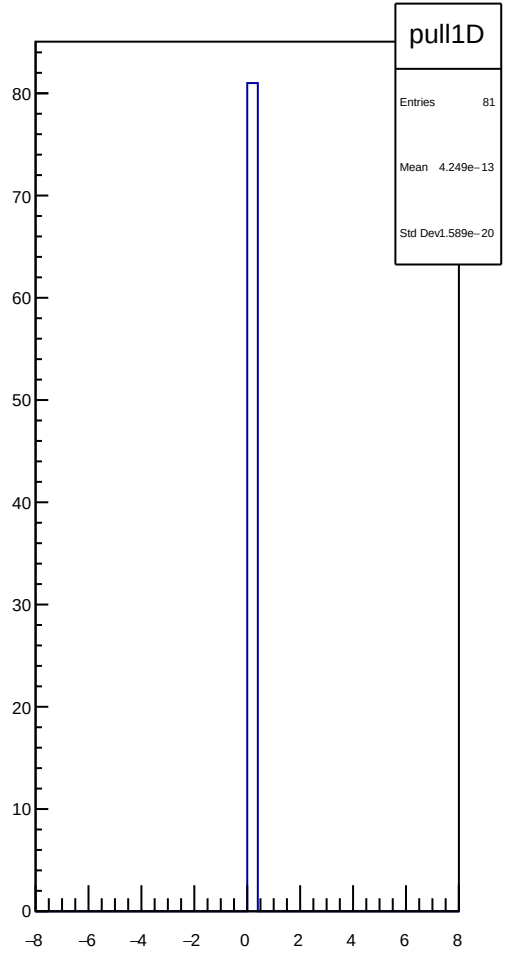

dit_sam5_4eX_slope vs run
χ² / ndf 1.164e−27 / 80
p0 −2.73 ± 0.07809
−2
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 81
Mean −3.791e−15
Std Dev 9.169e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

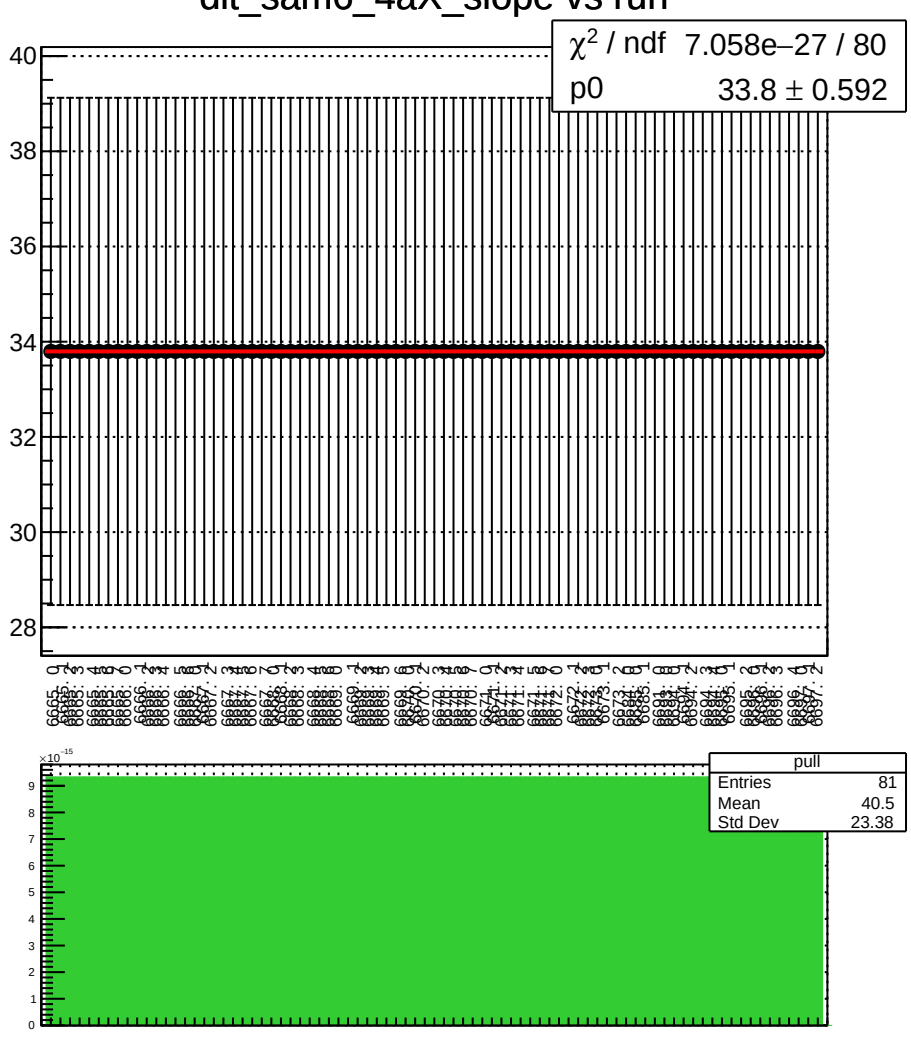

dit_sam5_11X12X_slope vs run
χ² / ndf 4.814e−26 / 80
p0 0.3304 ± 0.003542
0.36
0.35
0.34
0.33
0.32
0.31
0.3
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25

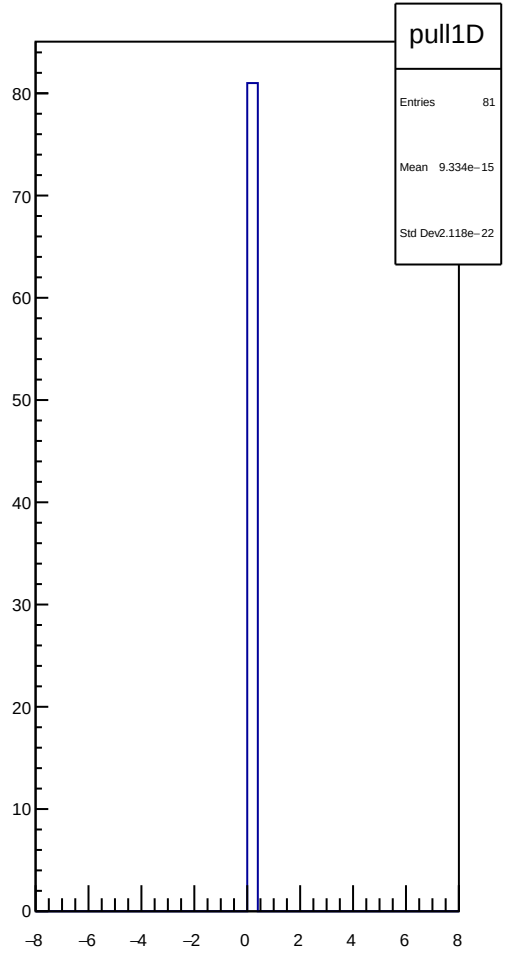

pull1D
Entries 81
Mean −2.438e−14
Std Dev1.556e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

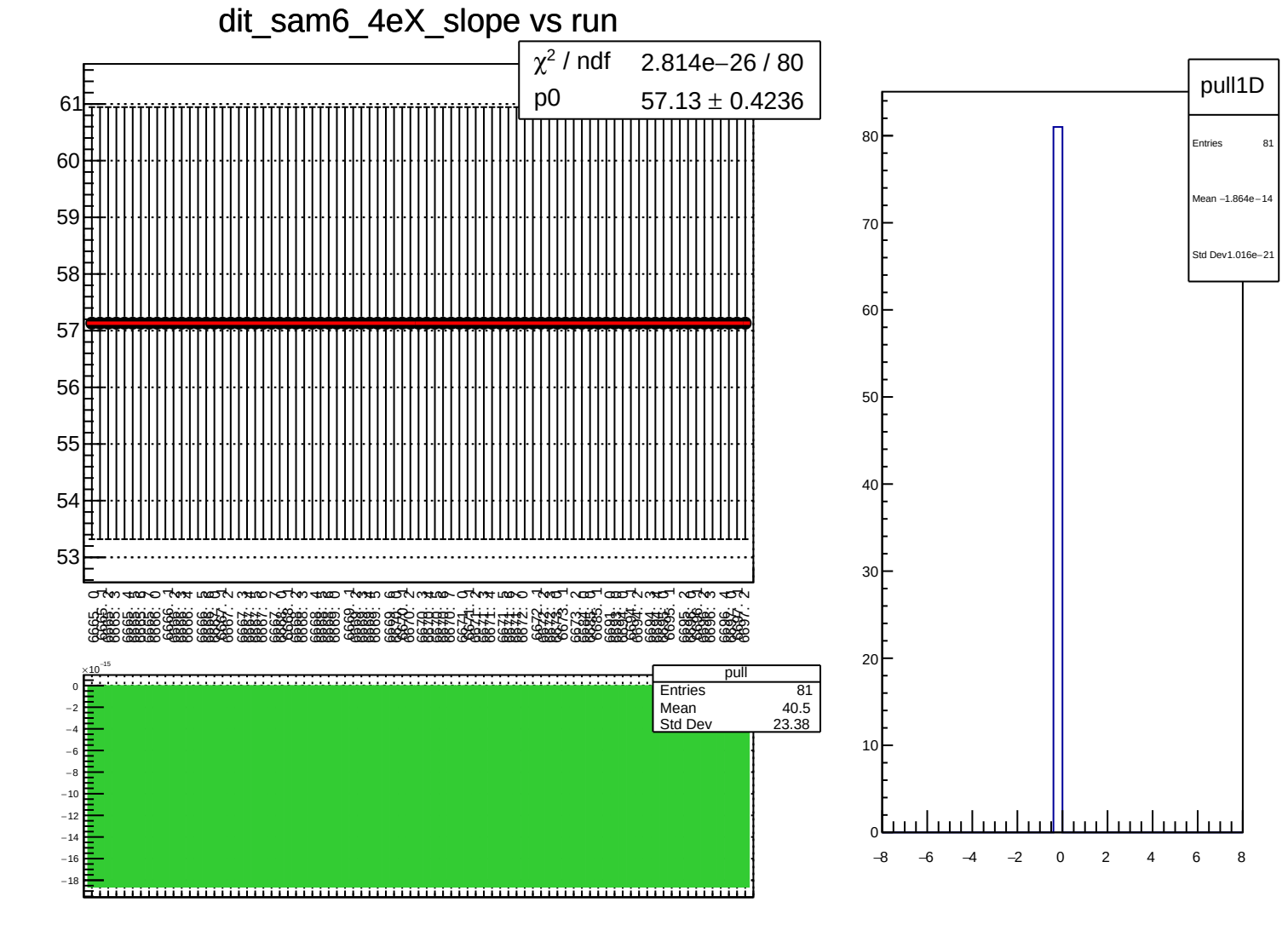

dit_sam5_4aY_slope vs run
χ² / ndf 5.534e−24 / 80
p0 32.68 ± 0.02114
32.9
32.85
32.8
32.75
32.7
32.65
32.6
32.55
32.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 81
Mean 2.614e−13
Std Dev1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

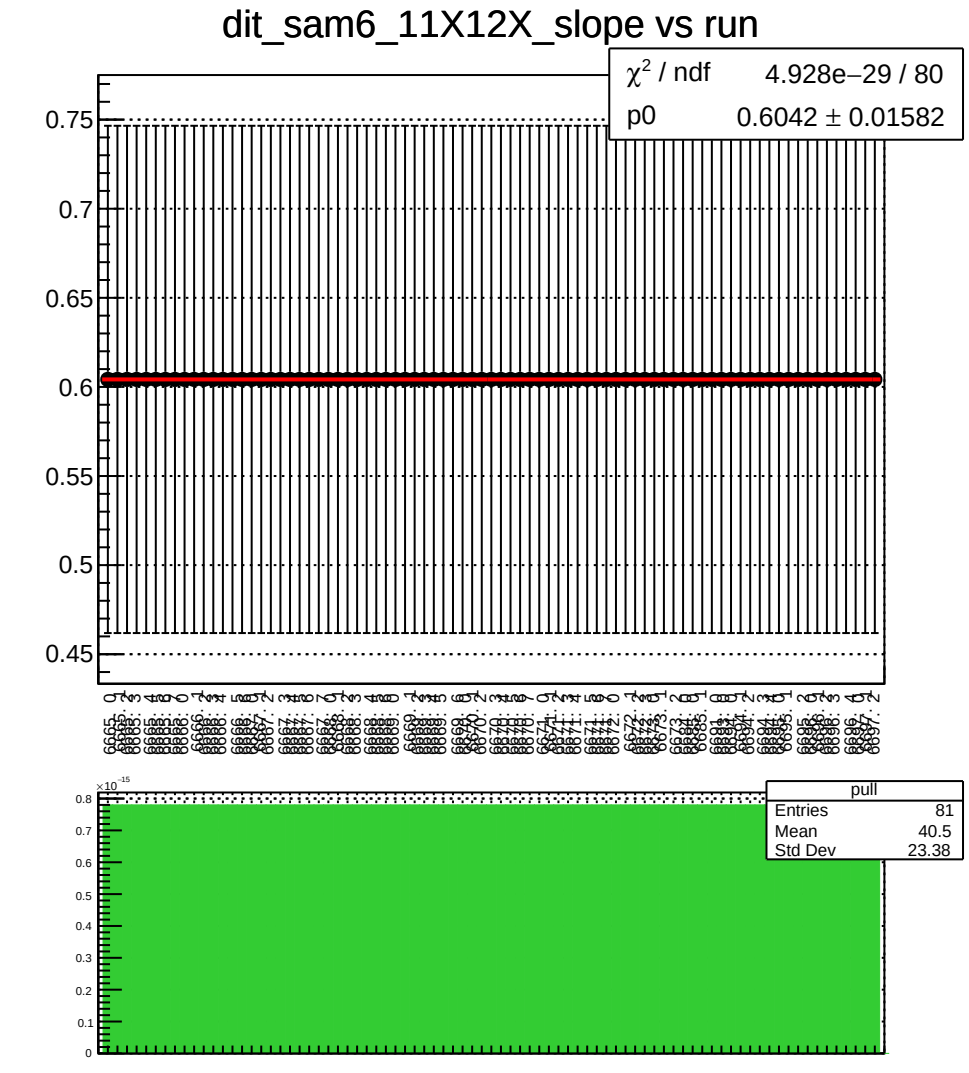

dit_sam5_4eY_slope vs run
$\chi^2$ / ndf 1.463e−23 / 80
p0 118.3 ± 0.09661
119.2
119
118.8
118.6
118.4
118.2
118
117.8
117.6
117.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

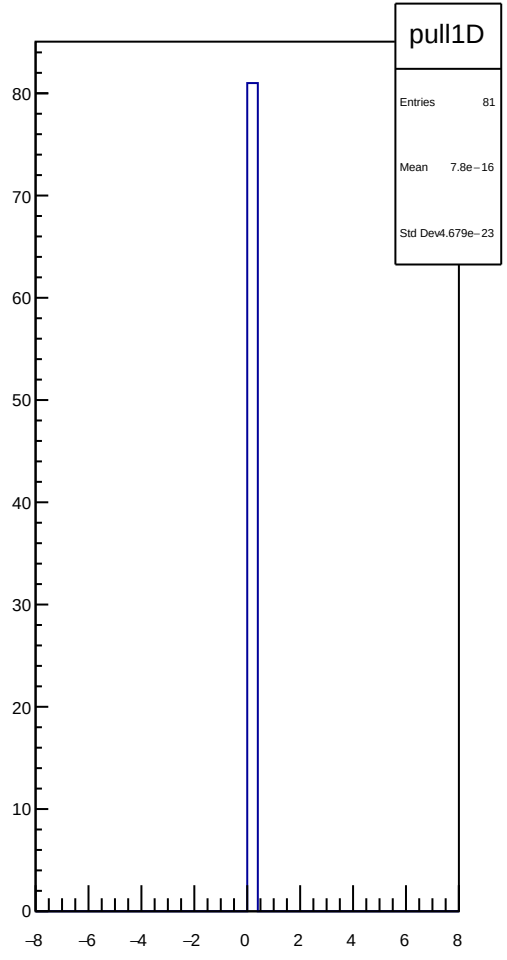

pull1D
Entries 81
Mean 4.249e−13
Std Dev1.589e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

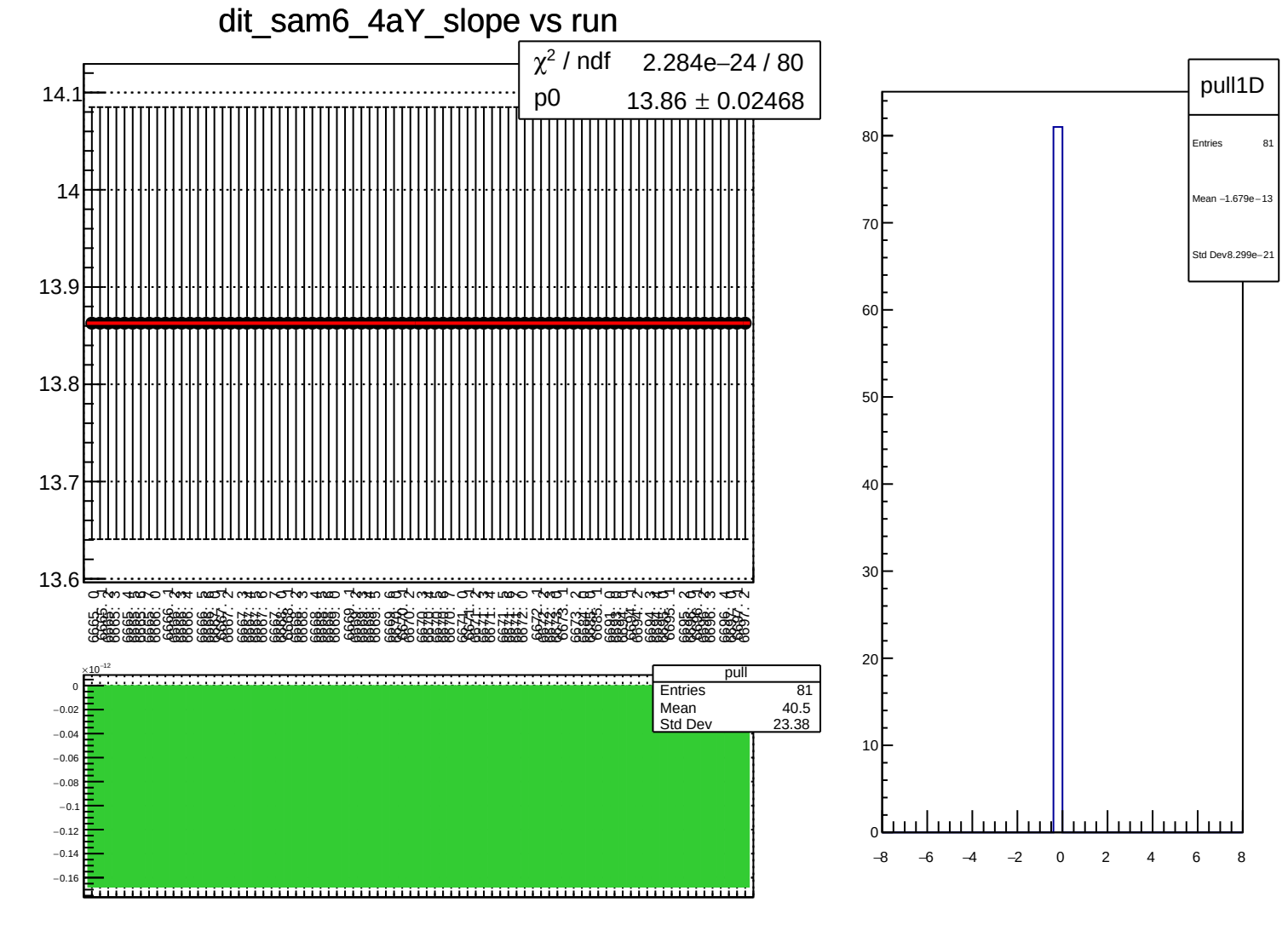

dit_sam6_4aX_slope vs run
χ² / ndf 7.058e−27 / 80
p0 33.8 ± 0.592
pull
Entries 81
Mean 40.5
Std Dev 23.38

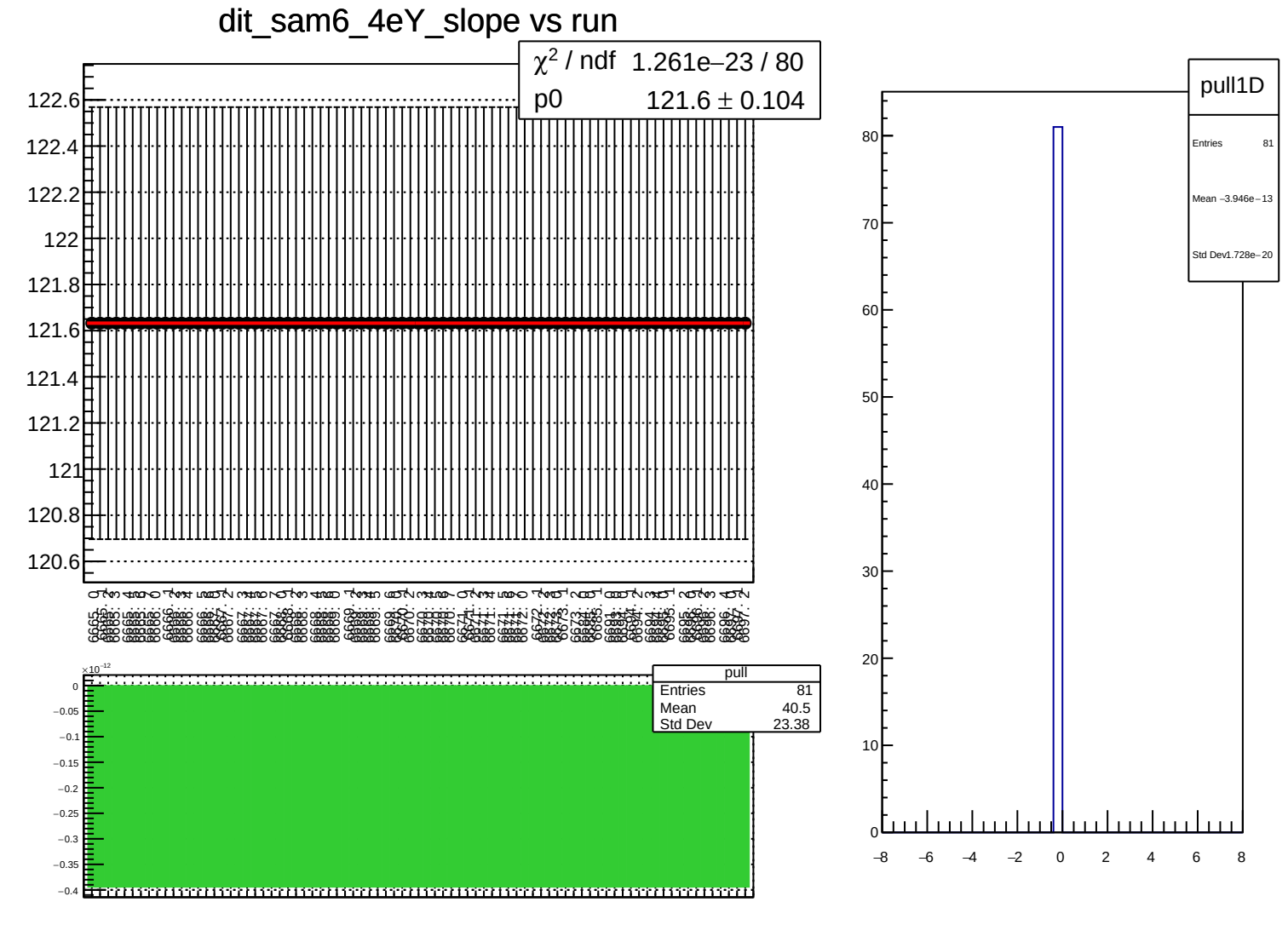

pull1D
Entries 81
Mean 9.334e−15
Std Dev 2.118e−22

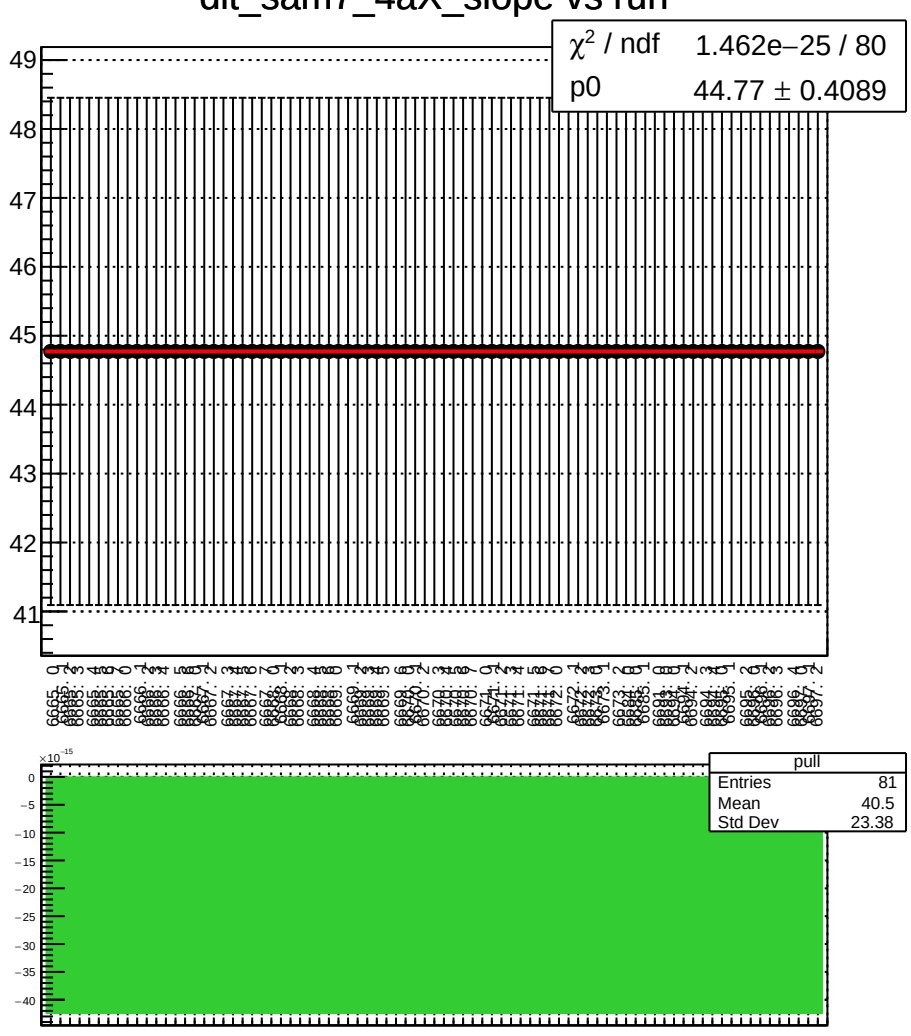

dit_sam6_4eX_slope vs run
χ² / ndf 2.814e−26 / 80
p0 57.13 ± 0.4236
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.864e−14
Std Dev1.016e−21

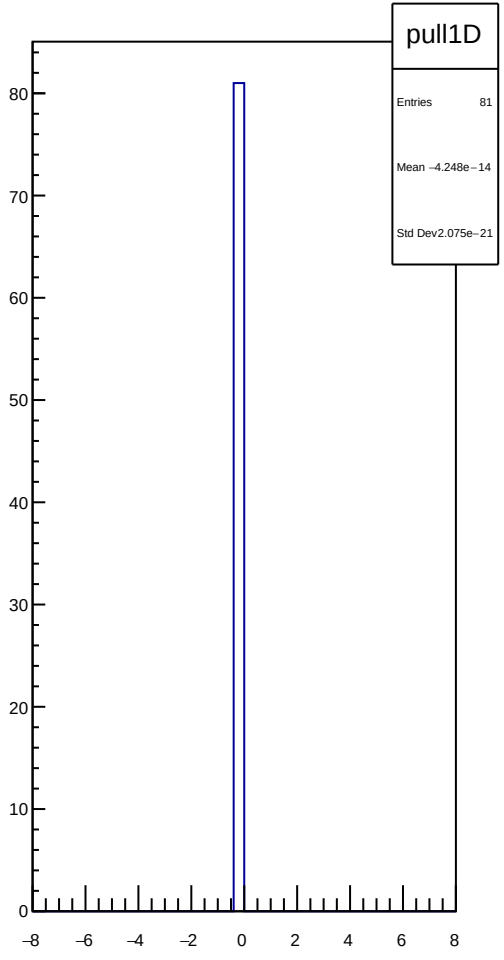

dit_sam6_11X12X_slope vs run
χ² / ndf 4.928e−29 / 80
p0 0.6042 ± 0.01582
0.75
0.7
0.65
0.6
0.55
0.5
0.45
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

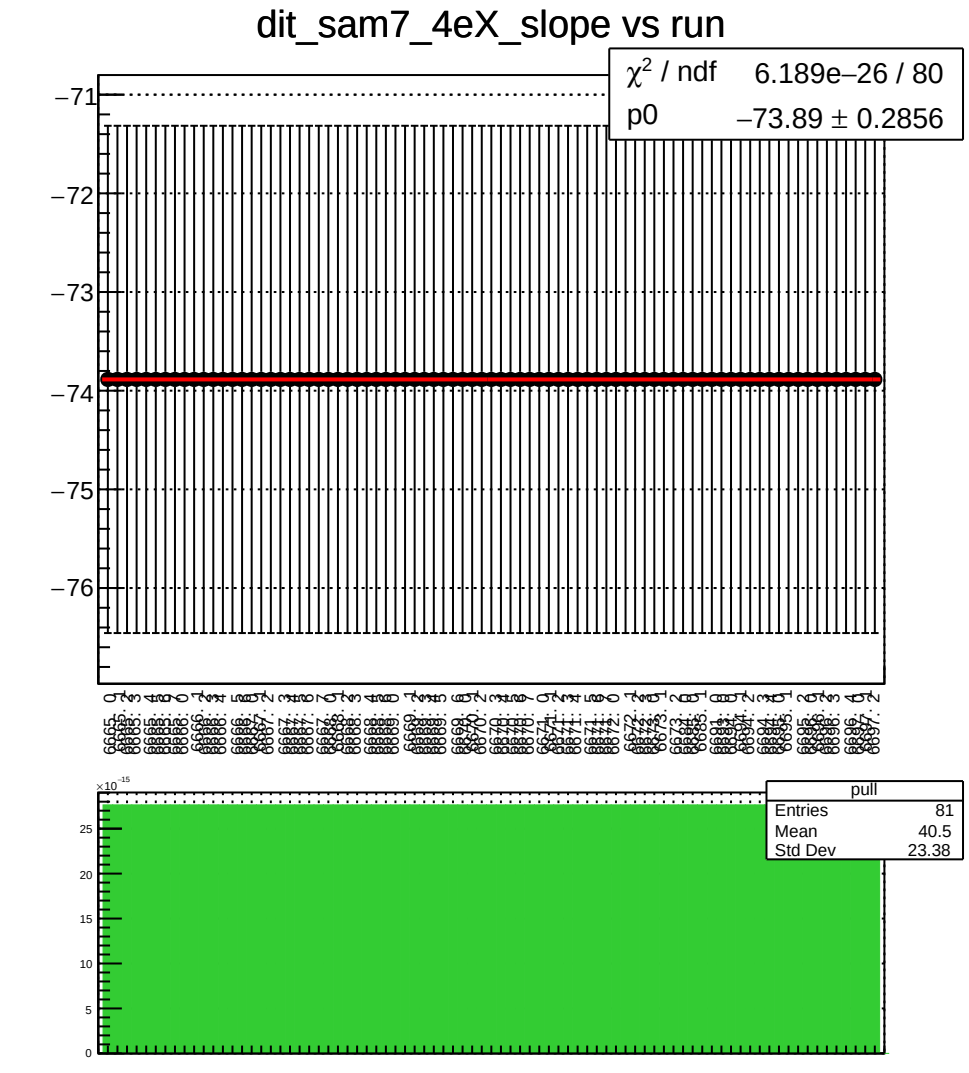

pull1D
Entries 81
Mean 7.8e−16
Std Dev 4.679e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

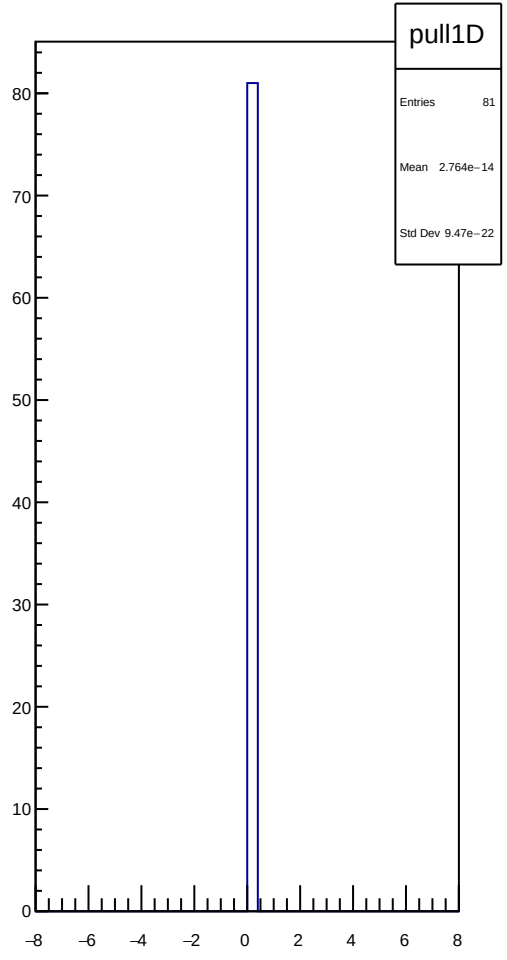

dit_sam6_4aY_slope vs run
χ² / ndf 2.284e−24 / 80
p0 13.86 ± 0.02468
14.1
14
13.9
13.8
13.7
13.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 81
Mean −1.679e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

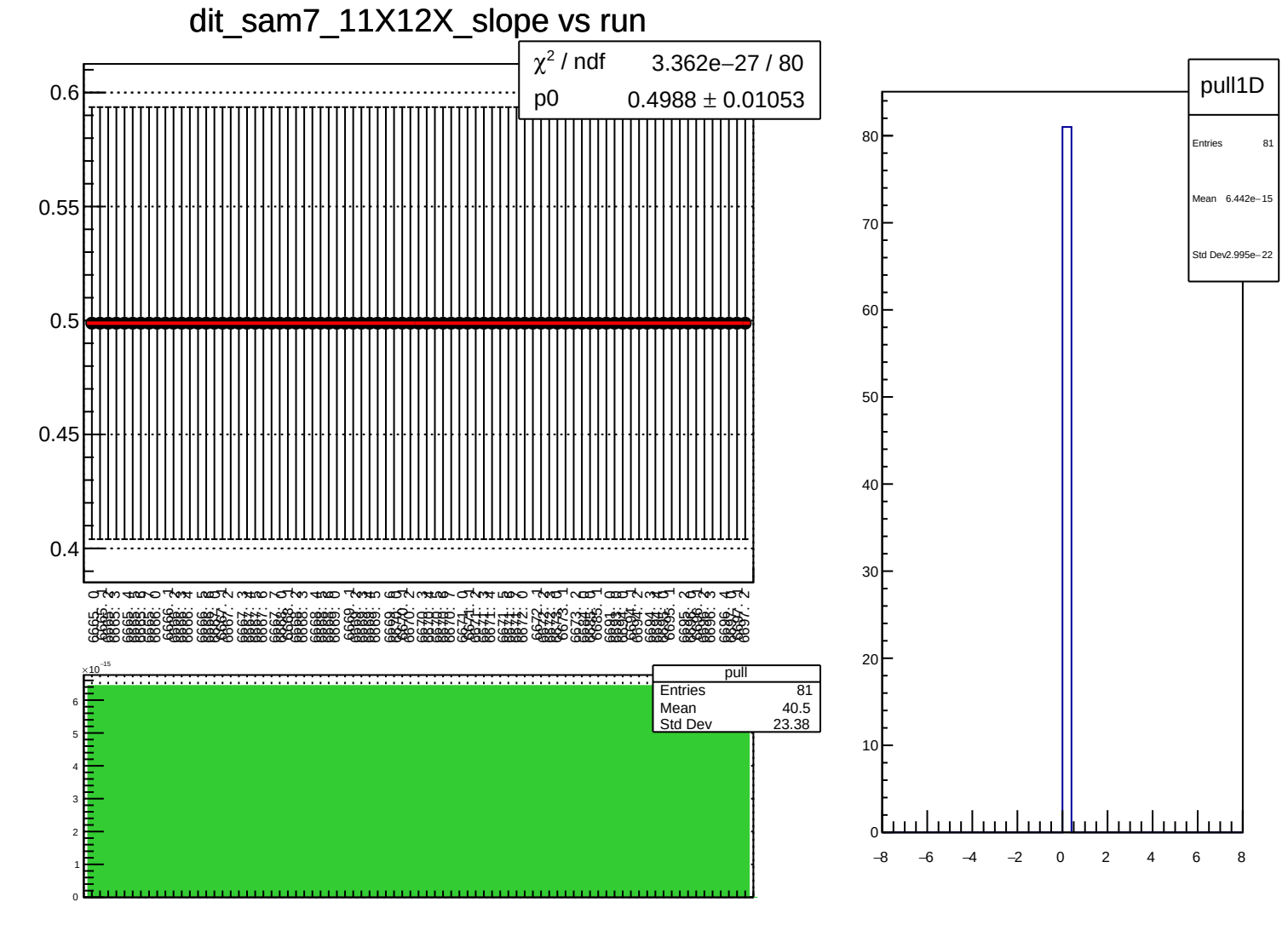

dit_sam6_4eY_slope vs run
$\chi^2$ / ndf 1.261e−23 / 80
p0 121.6 ± 0.104
122.6
122.4
122.2
122
121.8
121.6
121.4
121.2
121
120.8
120.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 81
Mean −3.946e−13
Std Dev1.728e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

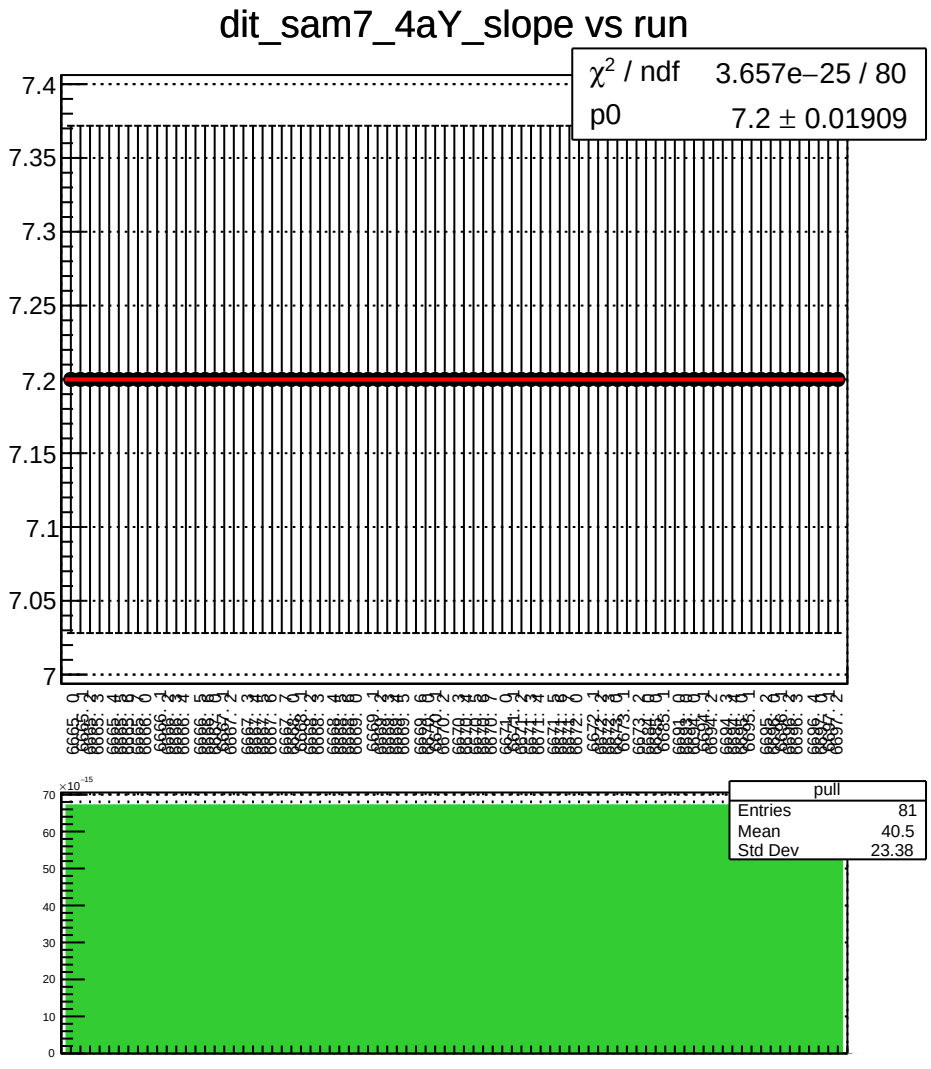

dit_sam7_4aX_slope vs run
$\chi^2$ / ndf 1.462e−25 / 80
p0 44.77 ± 0.4089
pull
Entries 81
Mean 40.5
Std Dev 23.38

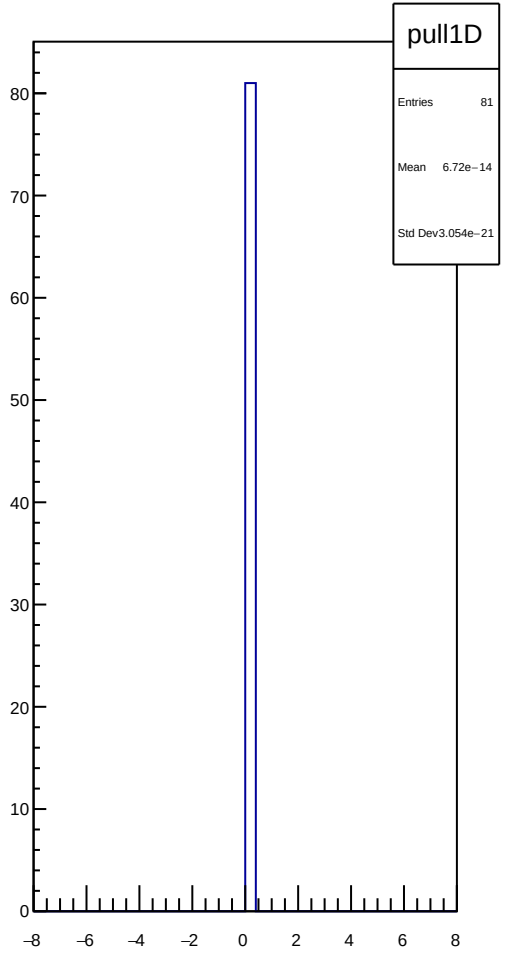

pull1D
Entries 81
Mean −4.248e−14
Std Dev2.075e−21

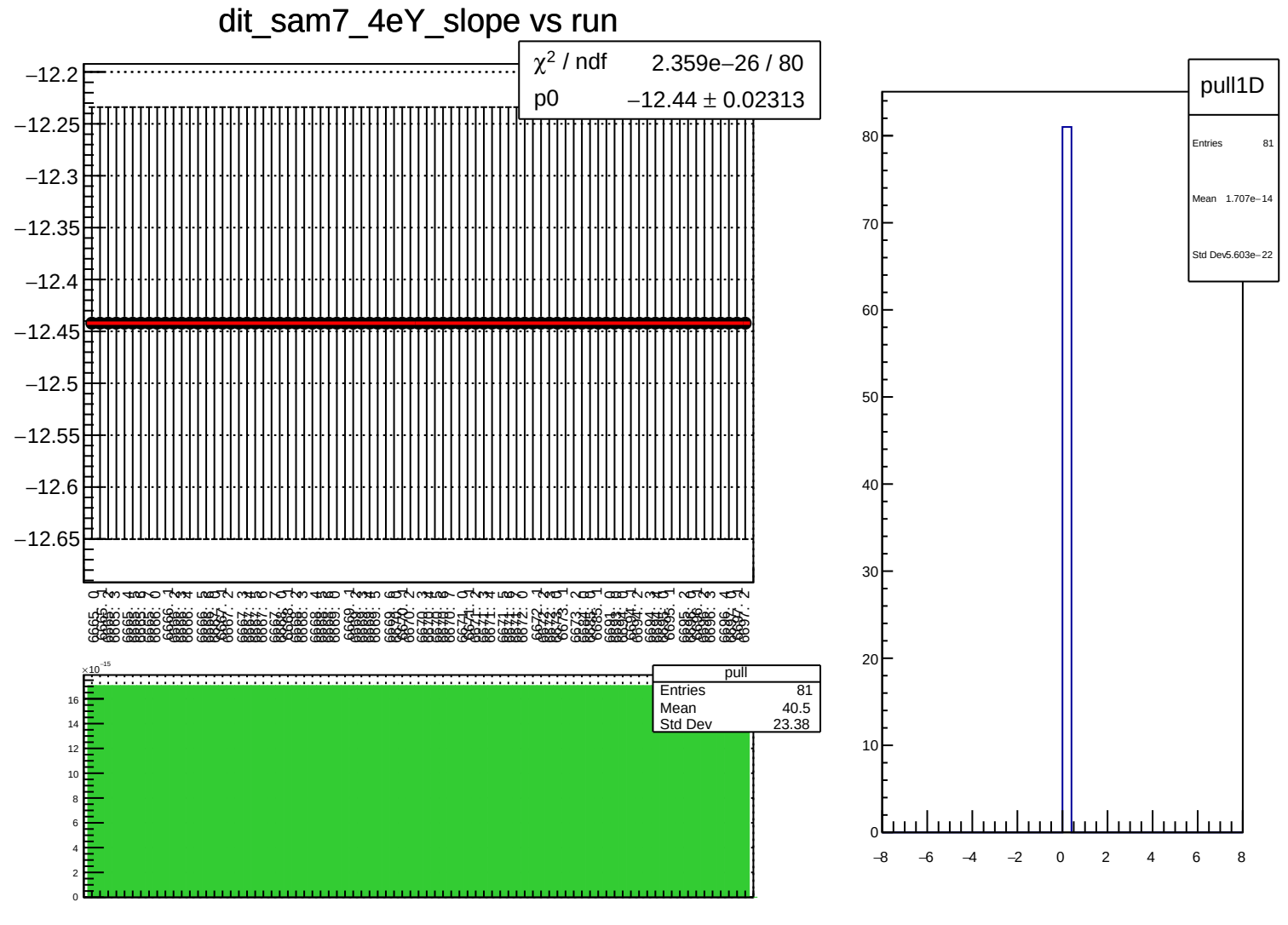

dit_sam7_4eX_slope vs run
χ² / ndf 6.189e−26 / 80
p0 −73.89 ± 0.2856
−71
−72
−73
−74
−75
−76
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
25
20
15
10
5
0

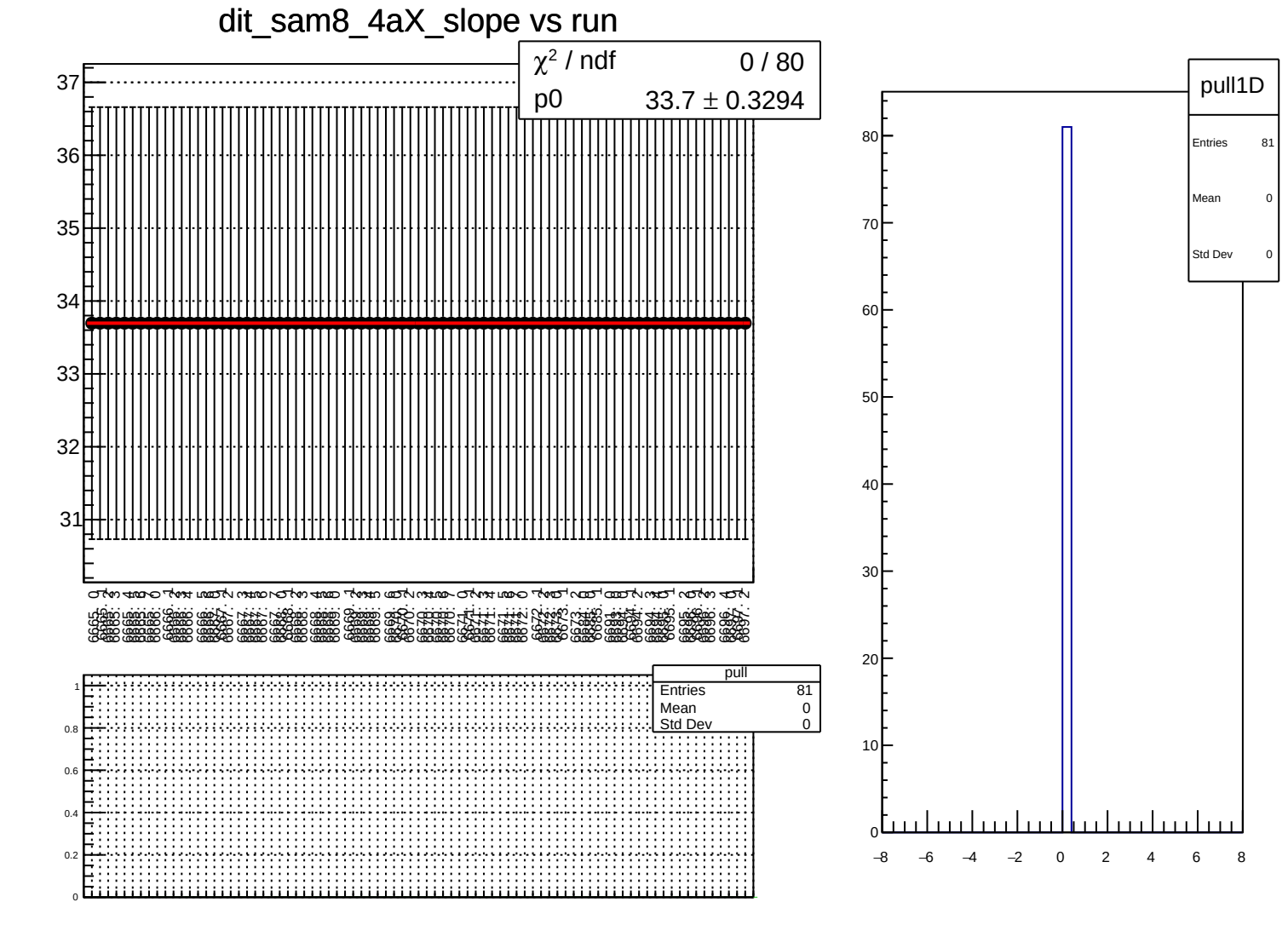

pull1D
Entries 81
Mean 2.764e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

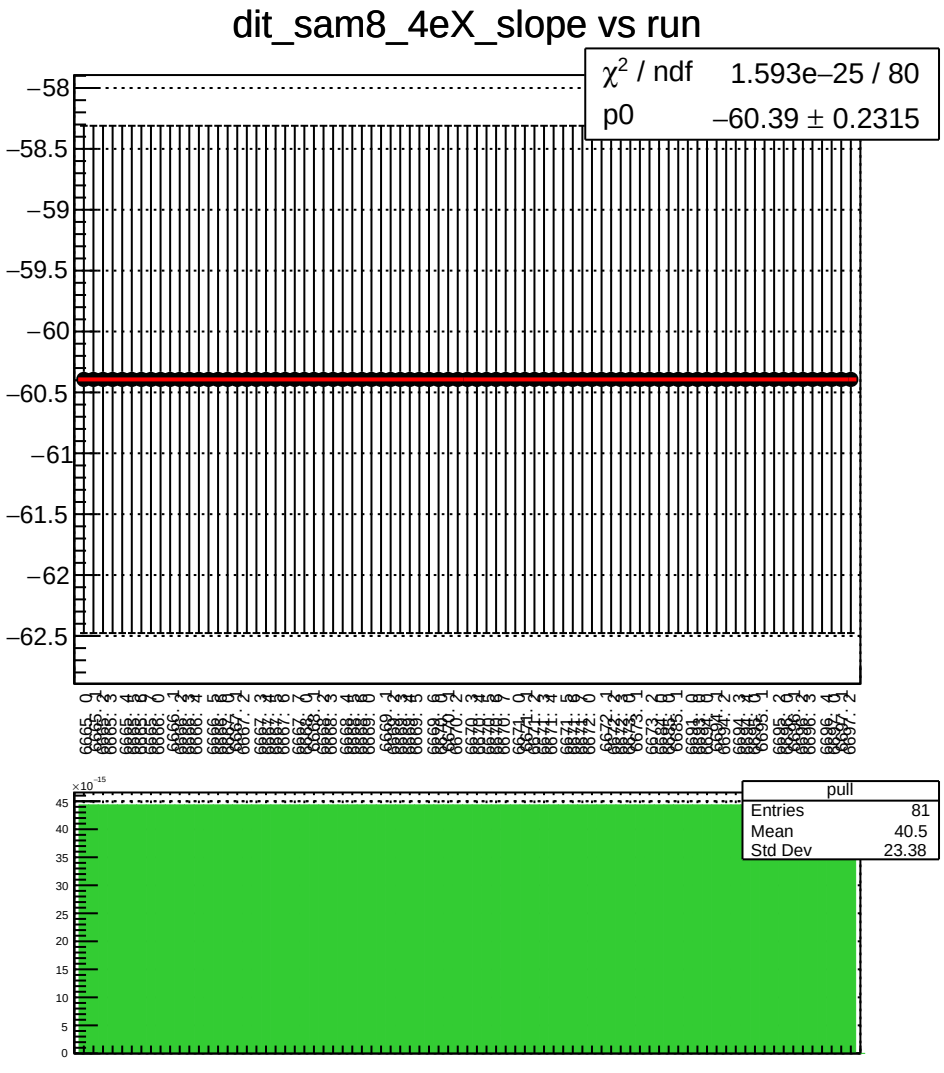

dit_sam7_11X12X_slope vs run
χ² / ndf 3.362e−27 / 80
p0 0.4988 ± 0.01053
0.6
0.55
0.5
0.45
0.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 6.442e−15
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

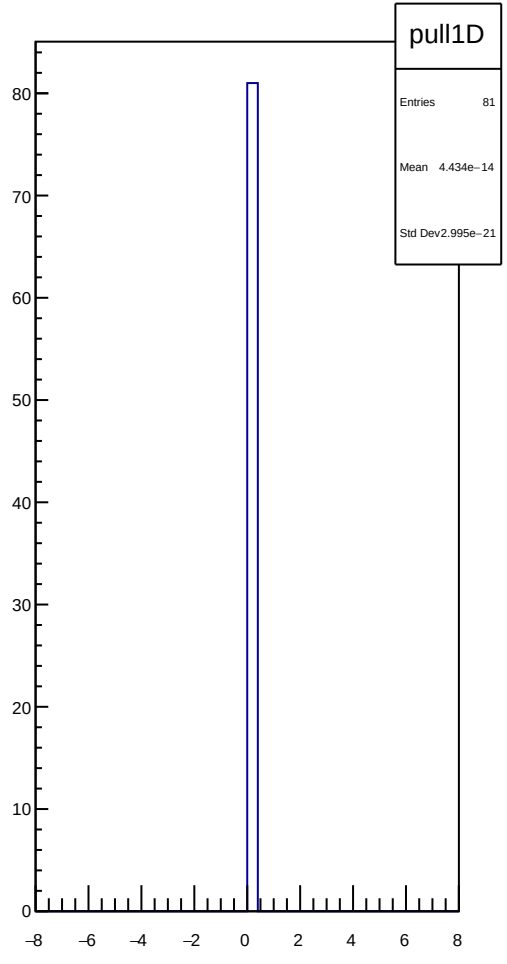

dit_sam7_4aY_slope vs run
χ² / ndf 3.657e−25 / 80
p0 7.2 ± 0.01909
7.4
7.35
7.3
7.25
7.2
7.15
7.1
7.05
7
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
70
60
50
40
30
20
10
0

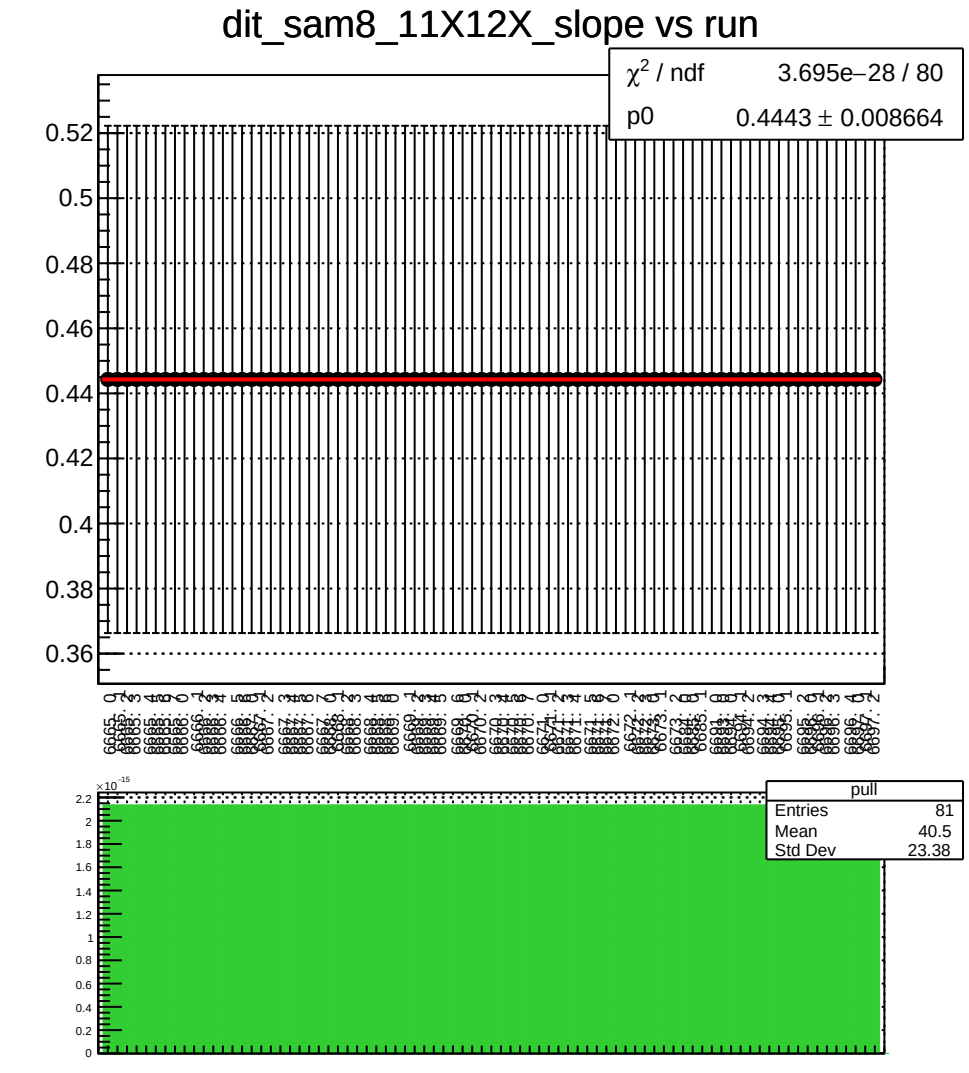

pull1D
Entries 81
Mean 6.72e−14
Std Dev3.054e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

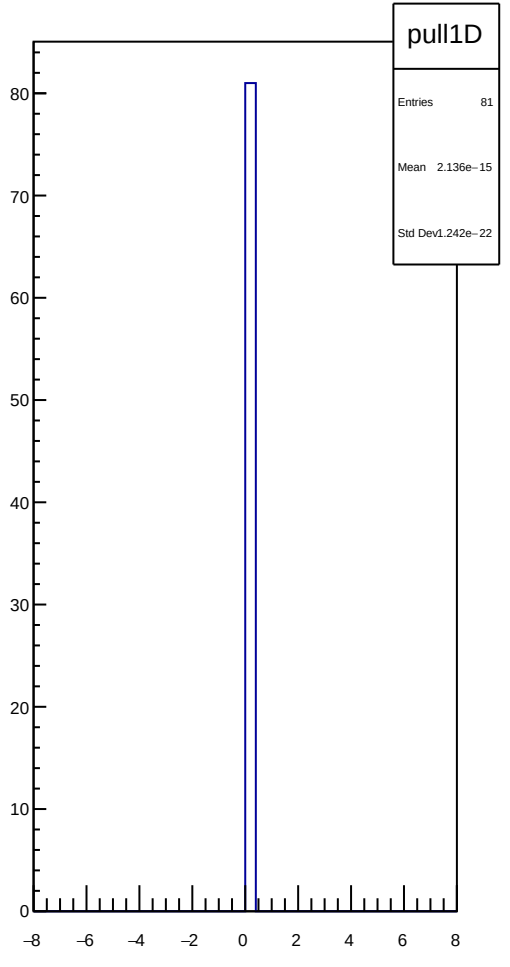

dit_sam7_4eY_slope vs run
χ² / ndf 2.359e−26 / 80
p0 −12.44 ± 0.02313
−12.2
−12.25
−12.3
−12.35
−12.4
−12.45
−12.5
−12.55
−12.6
−12.65
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull1D
Entries 81
Mean 1.707e−14
Std Dev 5.603e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

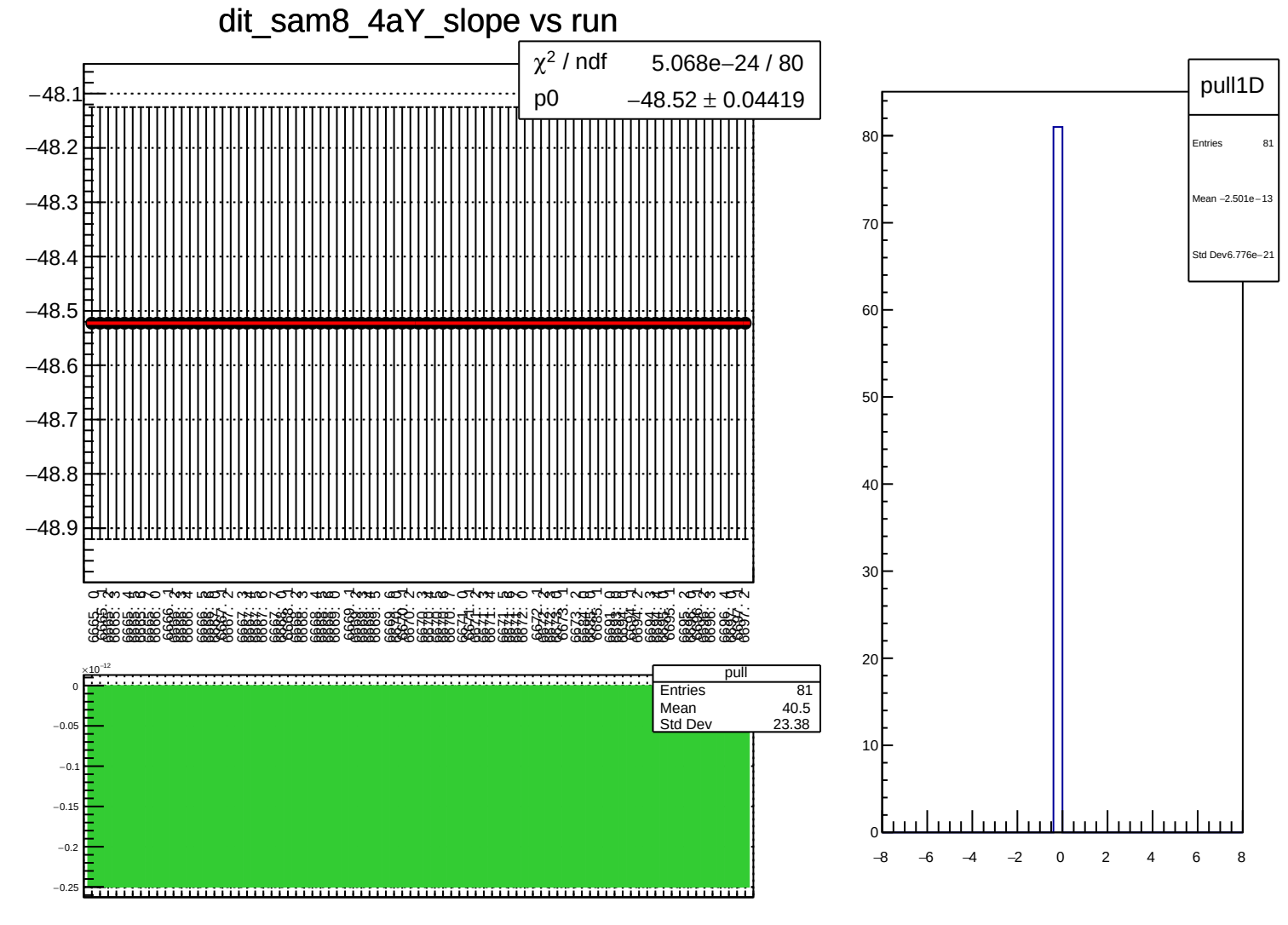

dit_sam8_4aX_slope vs run
χ² / ndf 0 / 80
p0 33.7 ± 0.3294
pull
Entries 81
Mean 0
Std Dev 0
pull1D
Entries 81
Mean 0
Std Dev 0

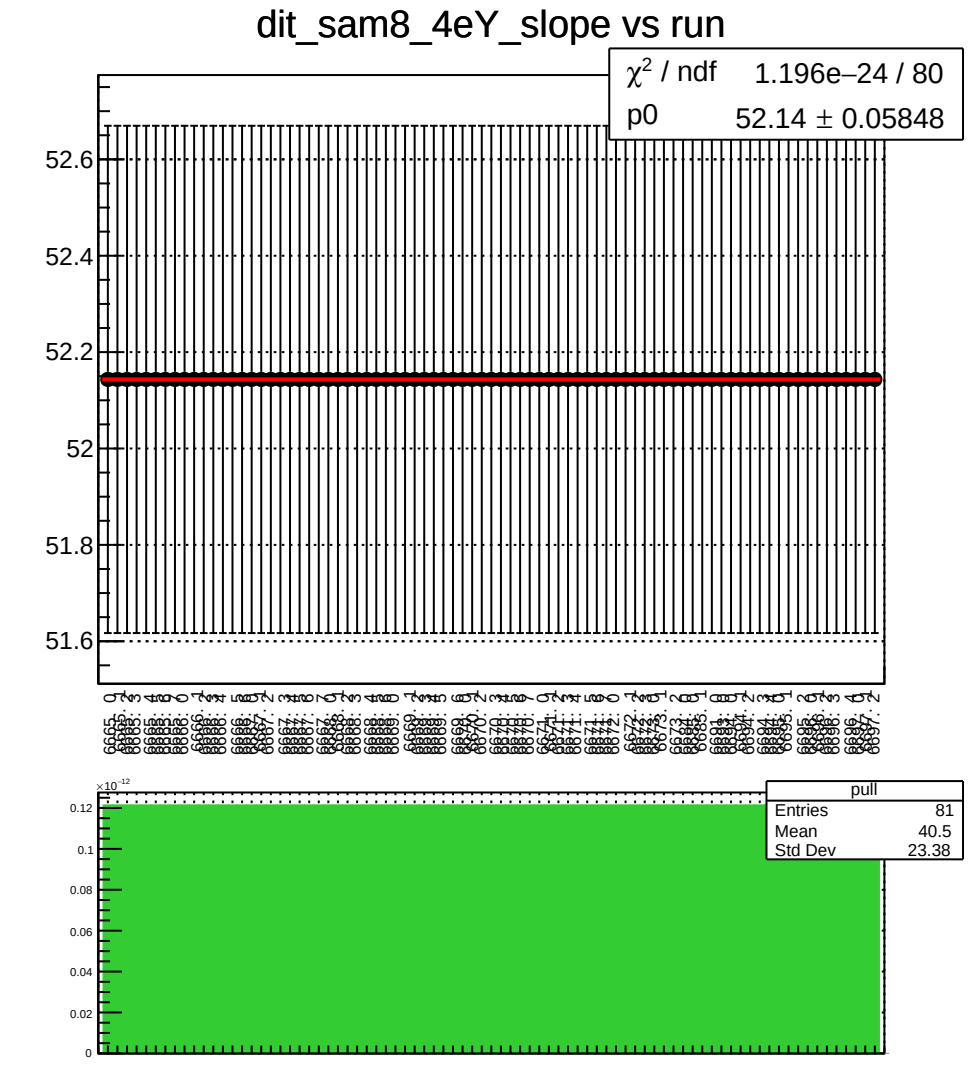

dit_sam8_4eX_slope vs run
χ² / ndf 1.593e−25 / 80
p0 −60.39 ± 0.2315
−58
−58.5
−59
−59.5
−60
−60.5
−61
−61.5
−62
−62.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

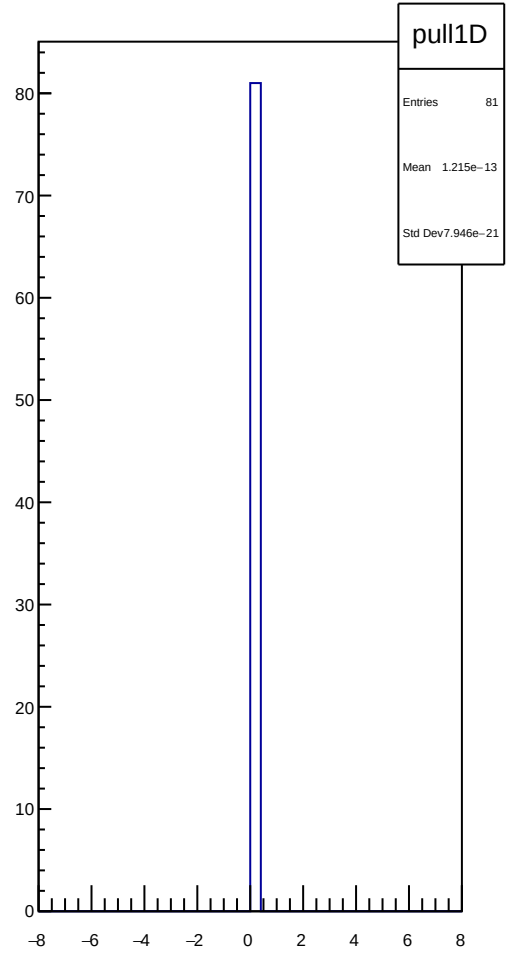

pull1D
Entries 81
Mean 4.434e−14
Std Dev2.995e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

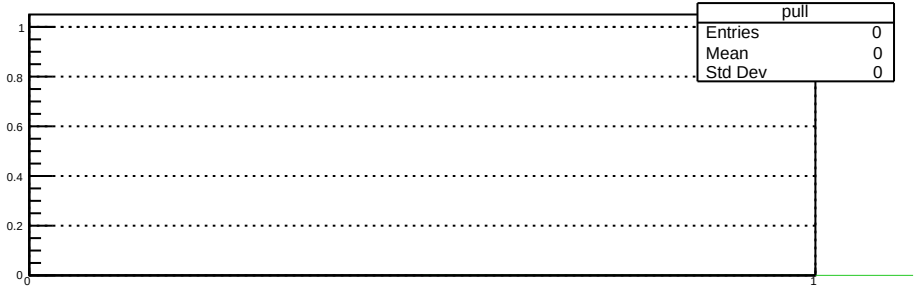

dit_sam8_11X12X_slope vs run
χ² / ndf 3.695e−28 / 80
p0 0.4443 ± 0.008664
0.52
0.5
0.48
0.46
0.44
0.42
0.4
0.38
0.36
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

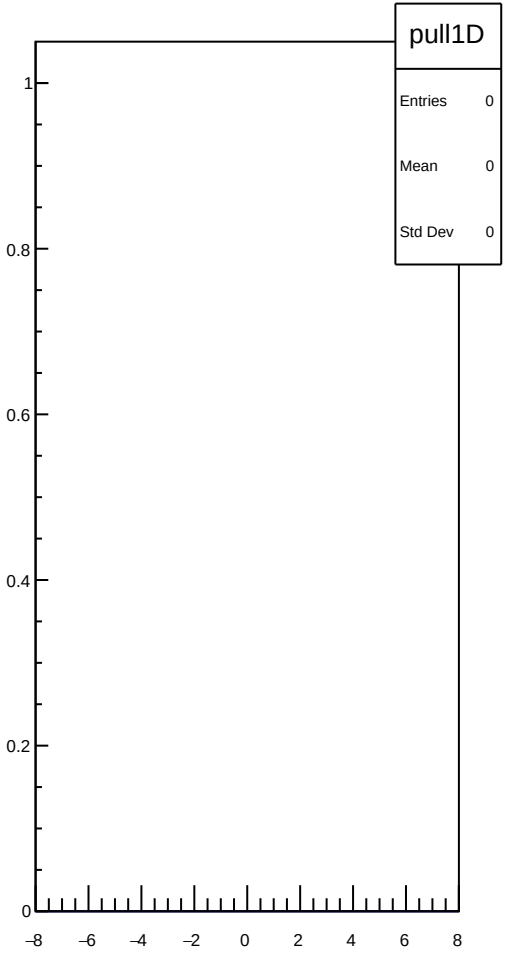

pull1D
Entries 81
Mean 2.136e−15
Std Dev 1.242e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

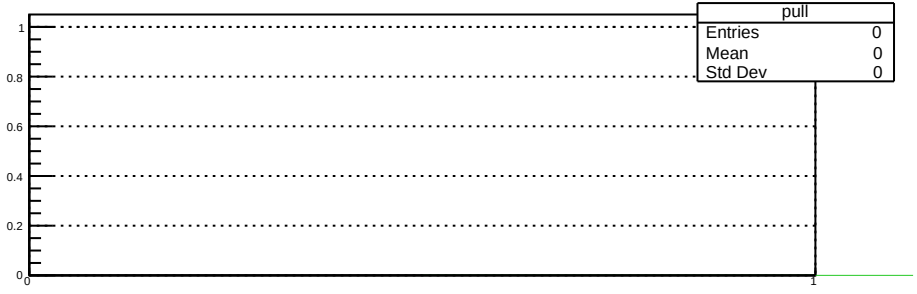

dit_sam8_4aY_slope vs run
χ² / ndf 5.068e−24 / 80
p0 −48.52 ± 0.04419
−48.1
−48.2
−48.3
−48.4
−48.5
−48.6
−48.7
−48.8
−48.9
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 81
Mean −2.501e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

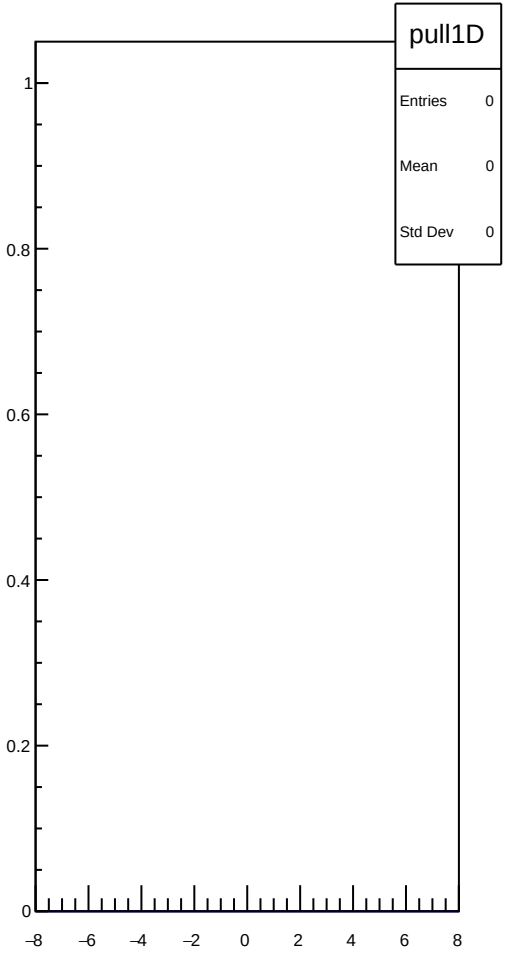

dit_sam8_4eY_slope vs run
χ² / ndf 1.196e−24 / 80
p0 52.14 ± 0.05848
52.6
52.4
52.2
52
51.8
51.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

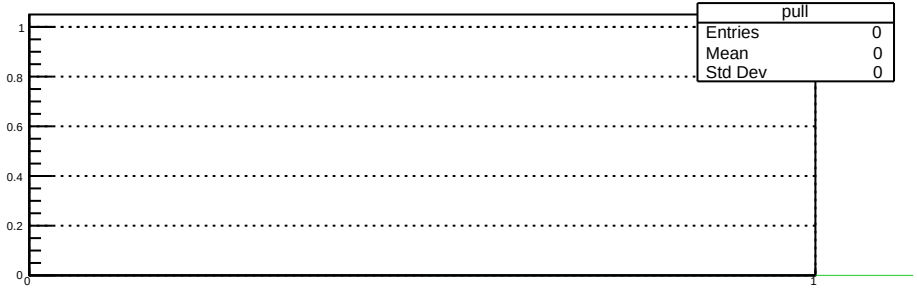

pull1D
Entries 81
Mean 1.215e−13
Std Dev7.946e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

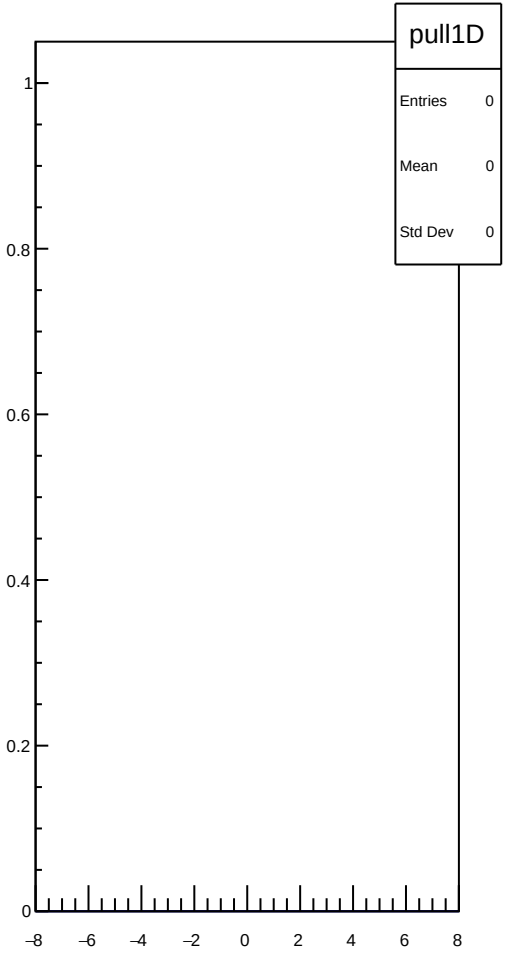

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

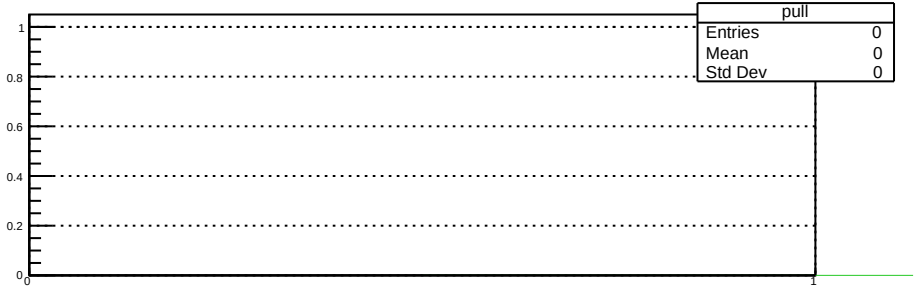

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

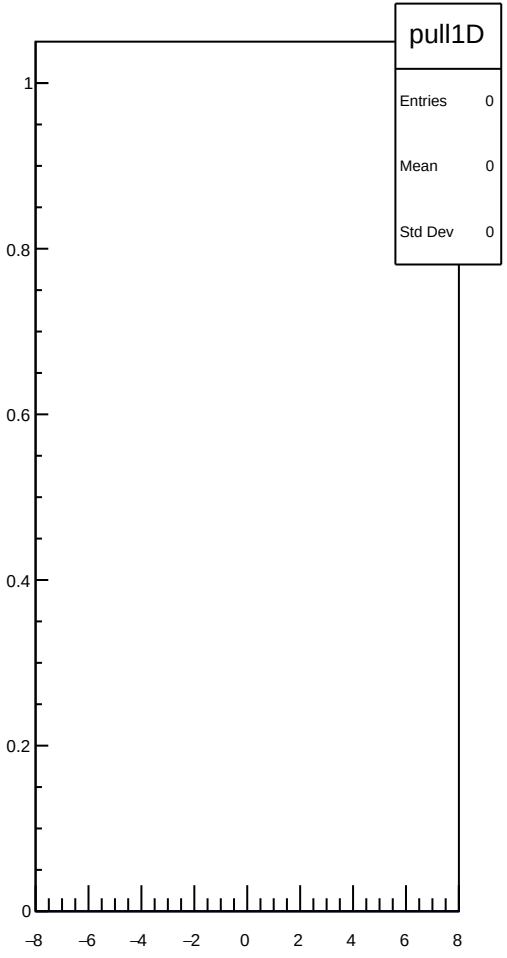

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

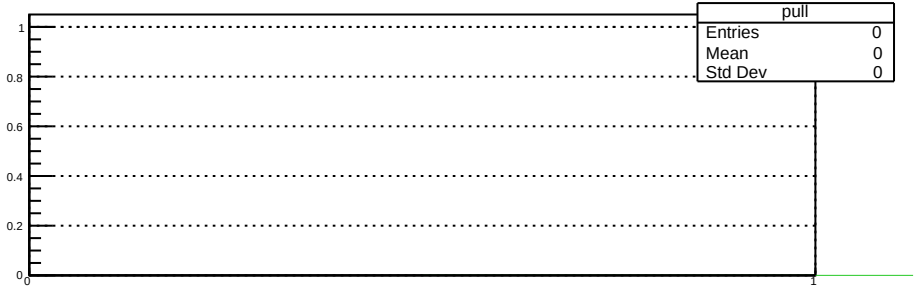

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

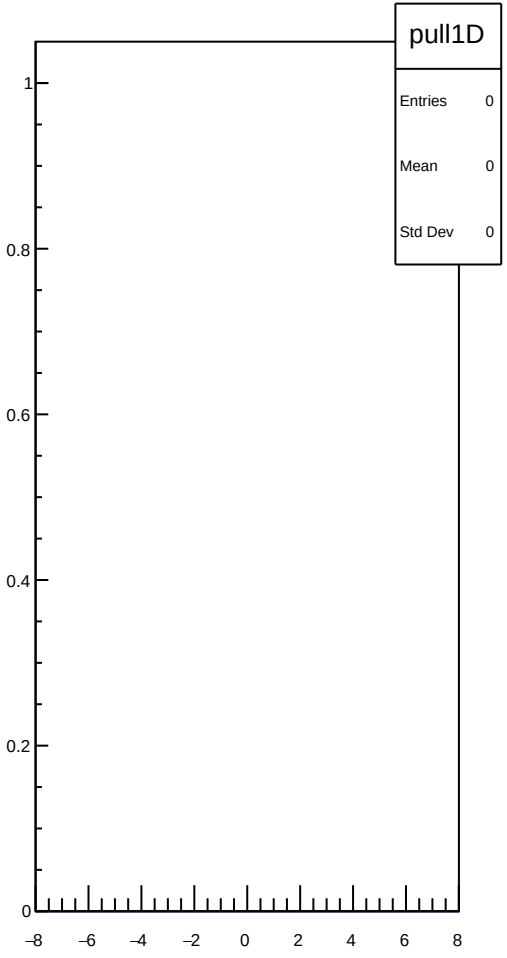

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

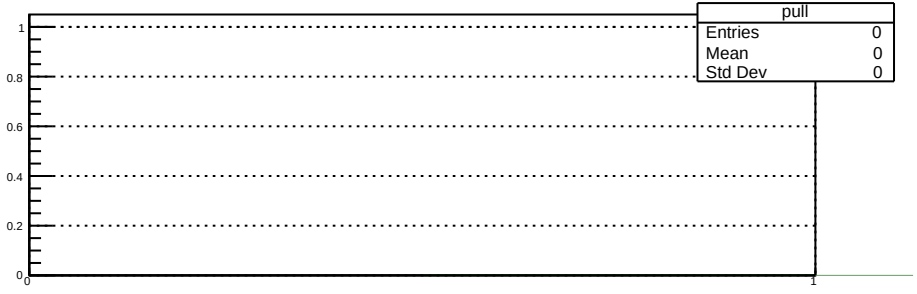

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

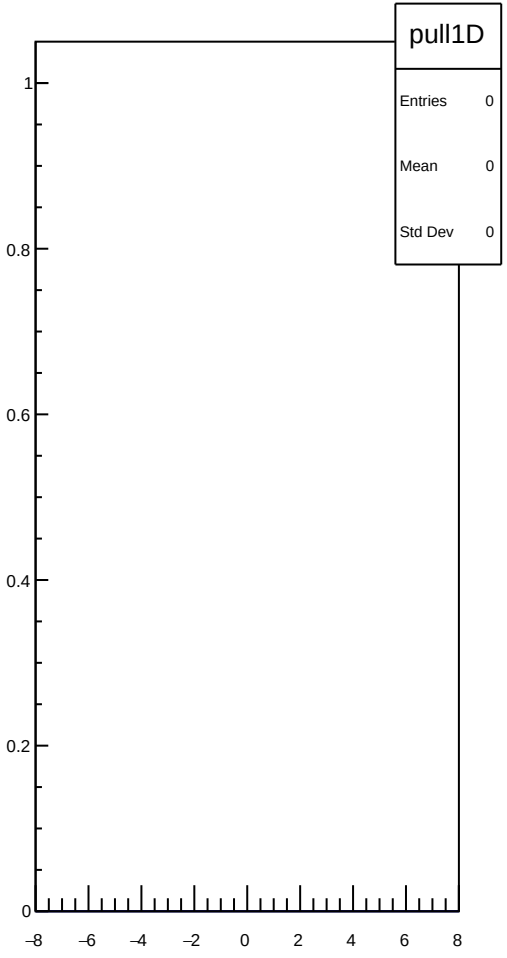

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

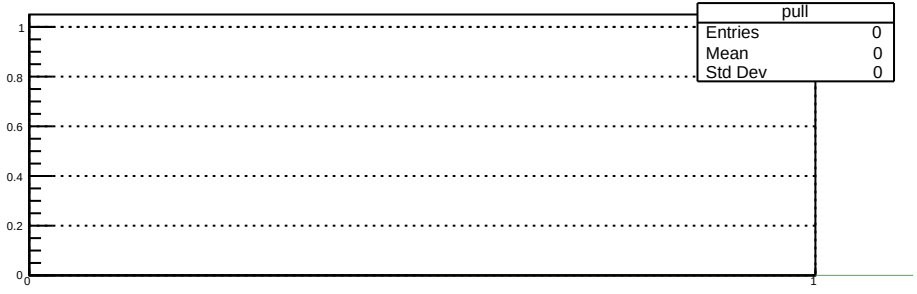

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

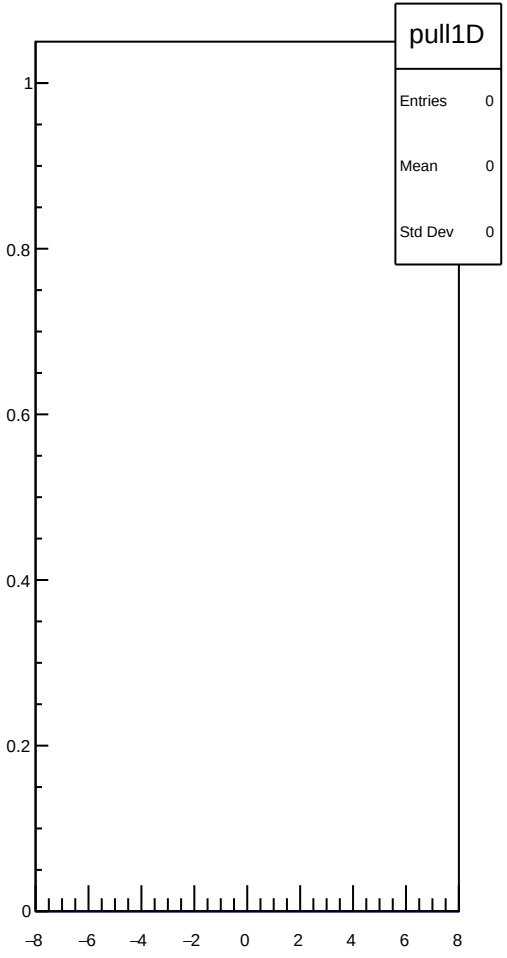

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

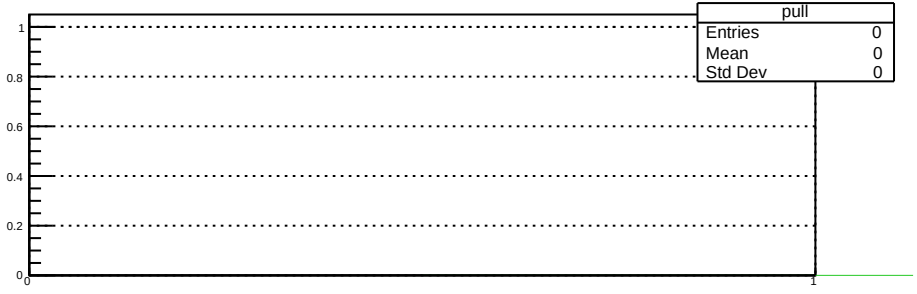

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

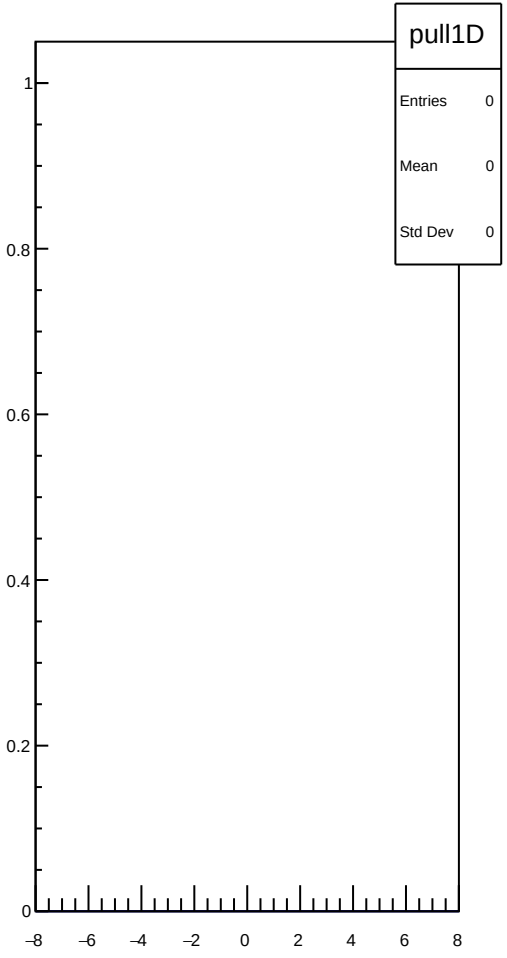

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

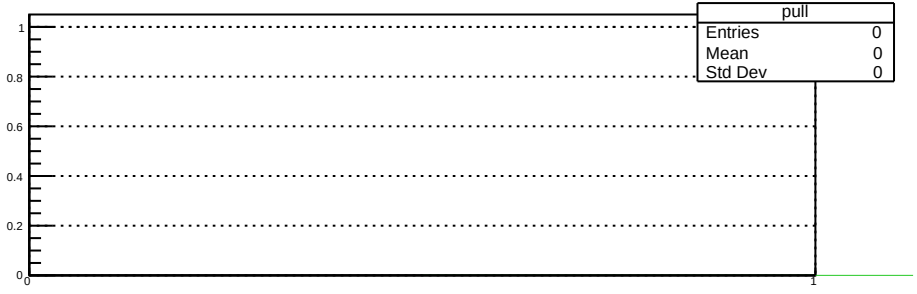

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

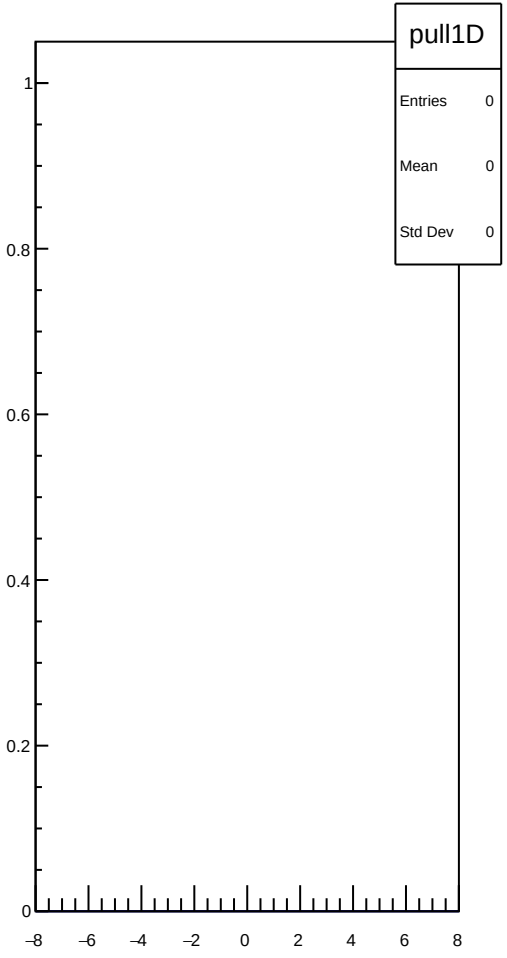

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

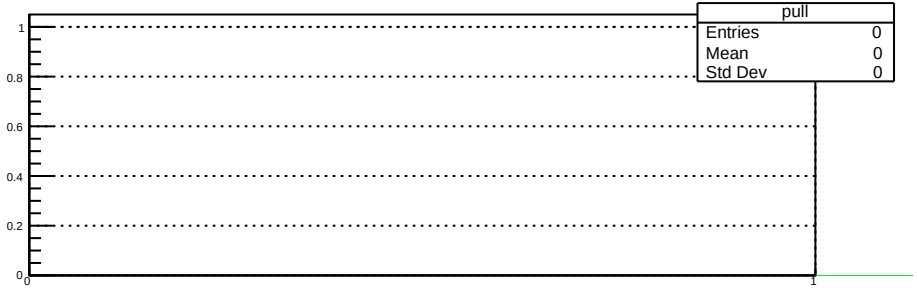

pull1D
Entries 0
Mean 0
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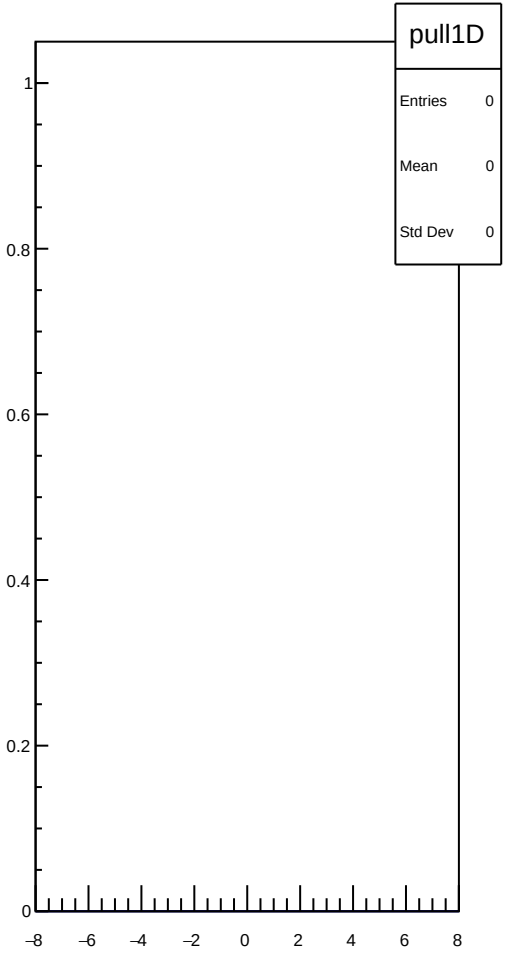

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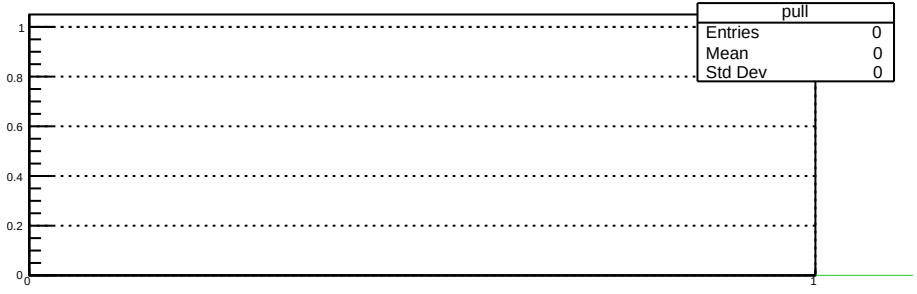

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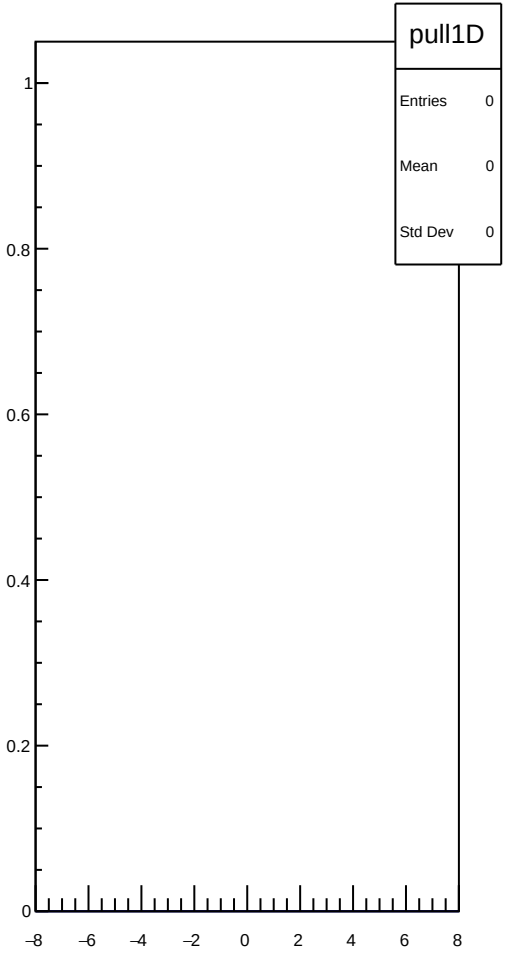

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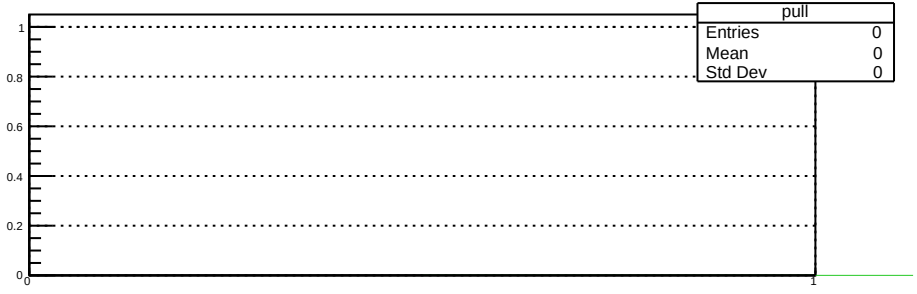

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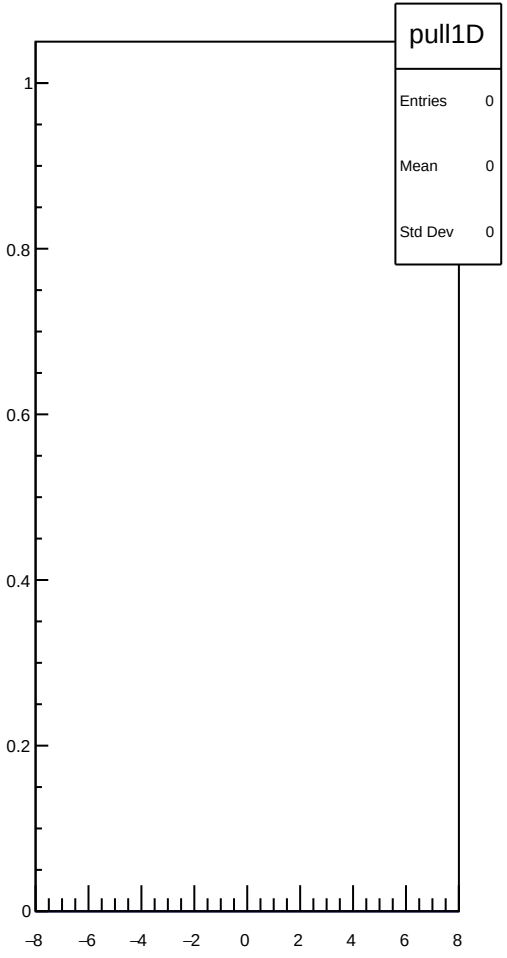

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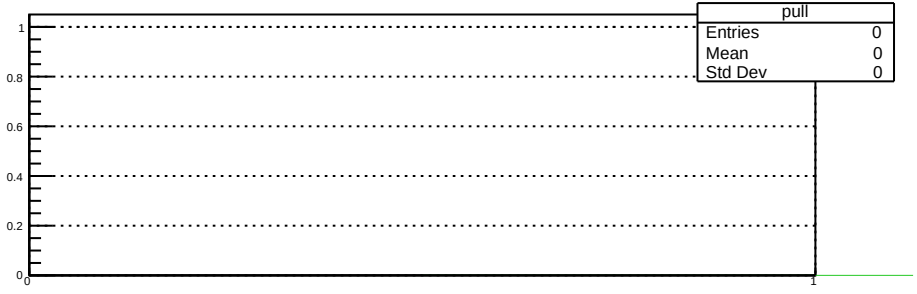

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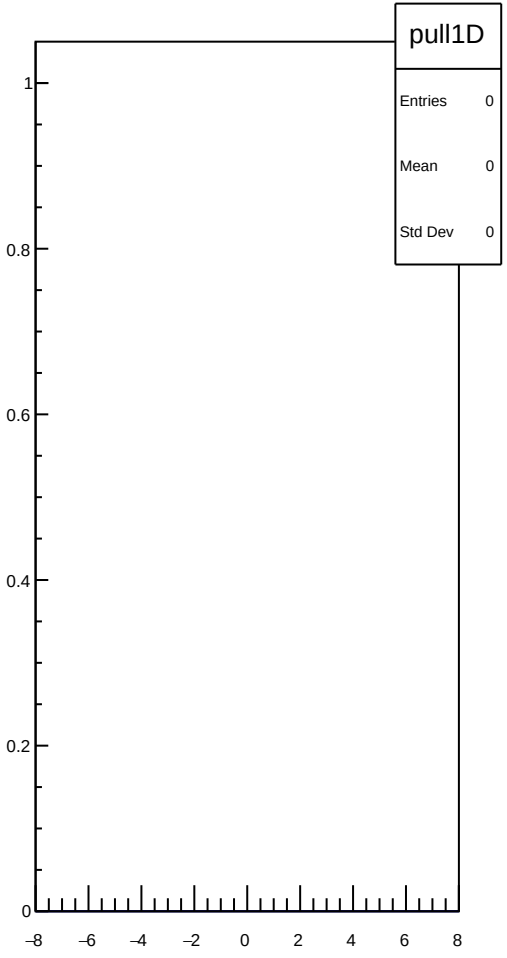

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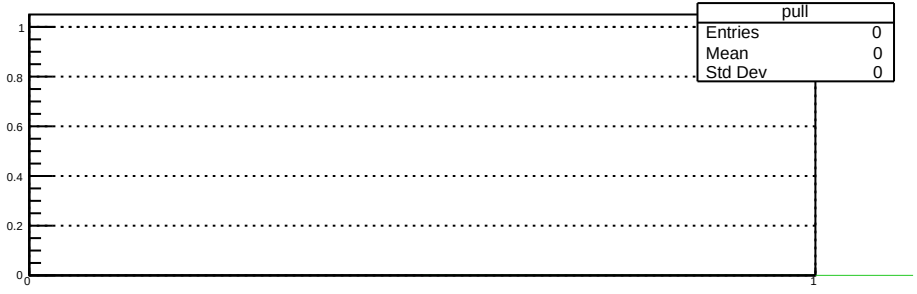

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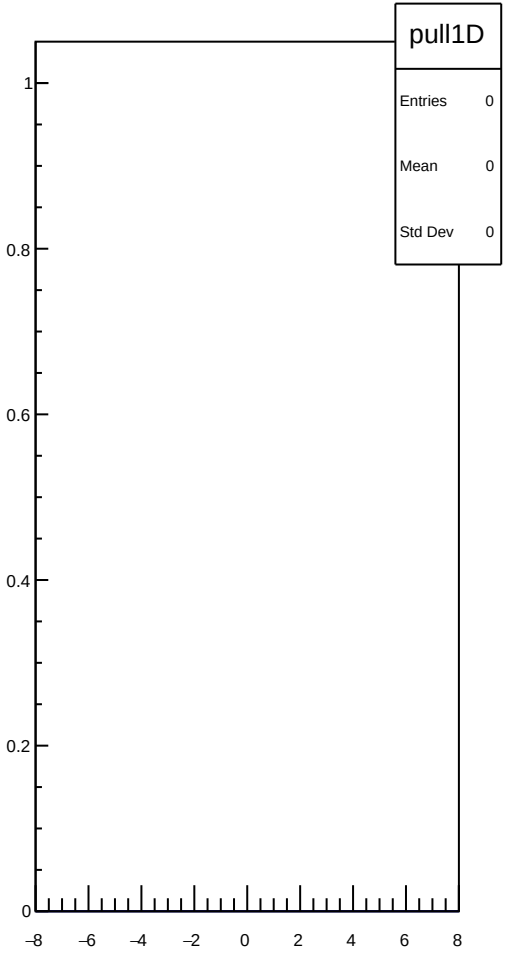

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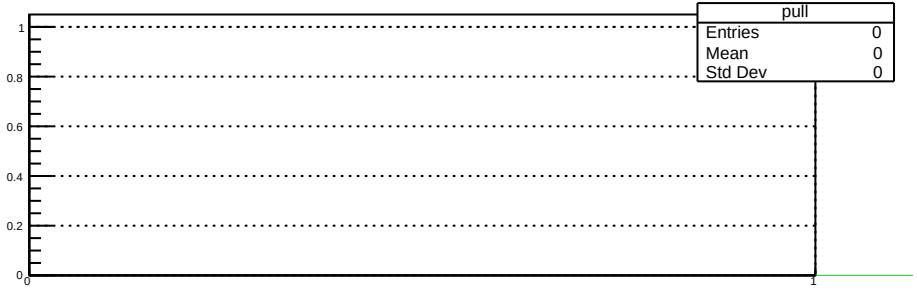

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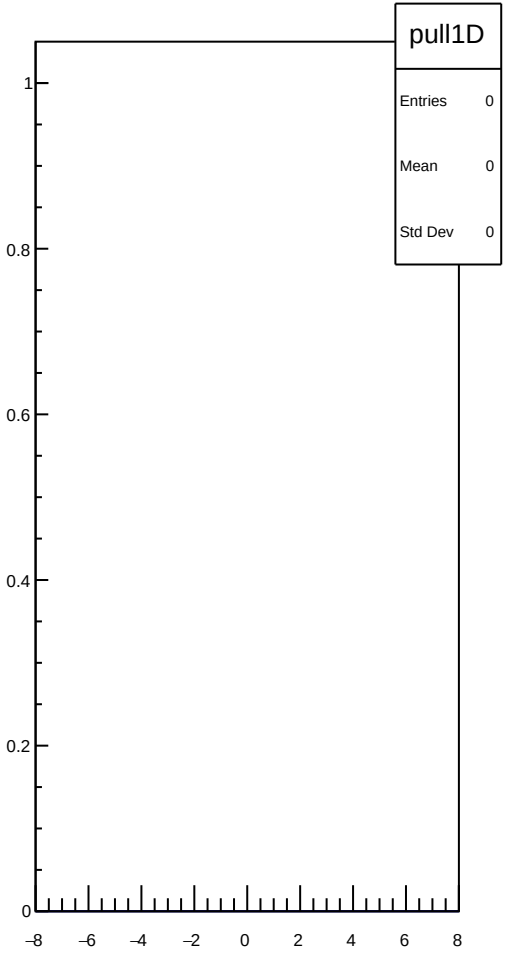

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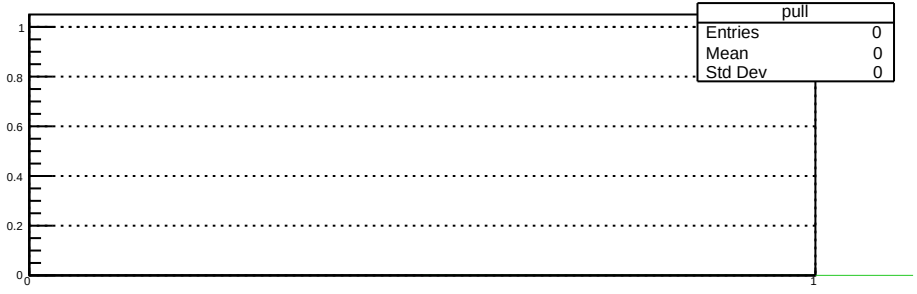

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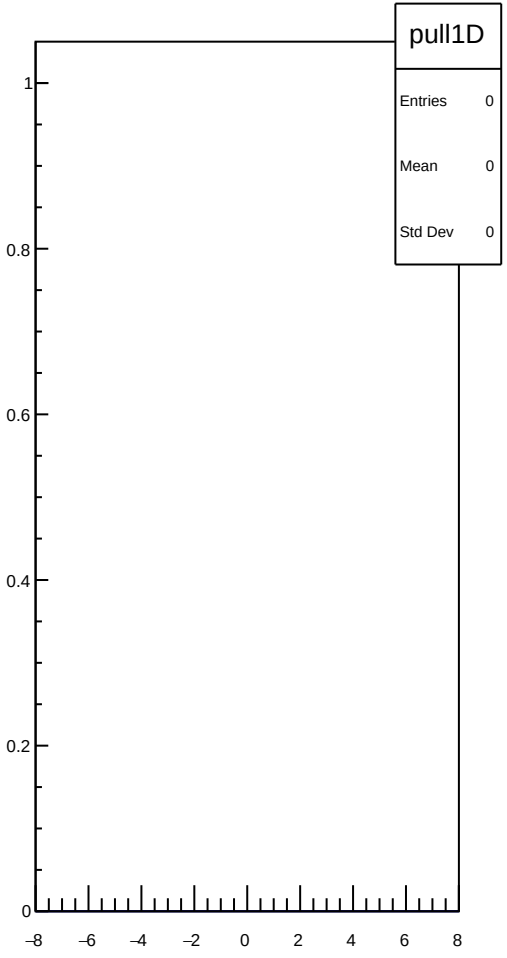

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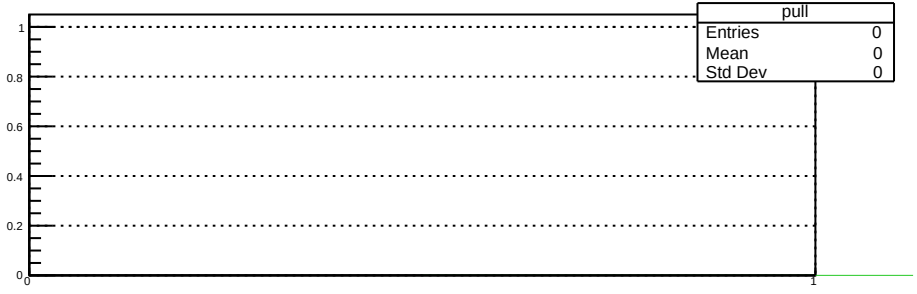

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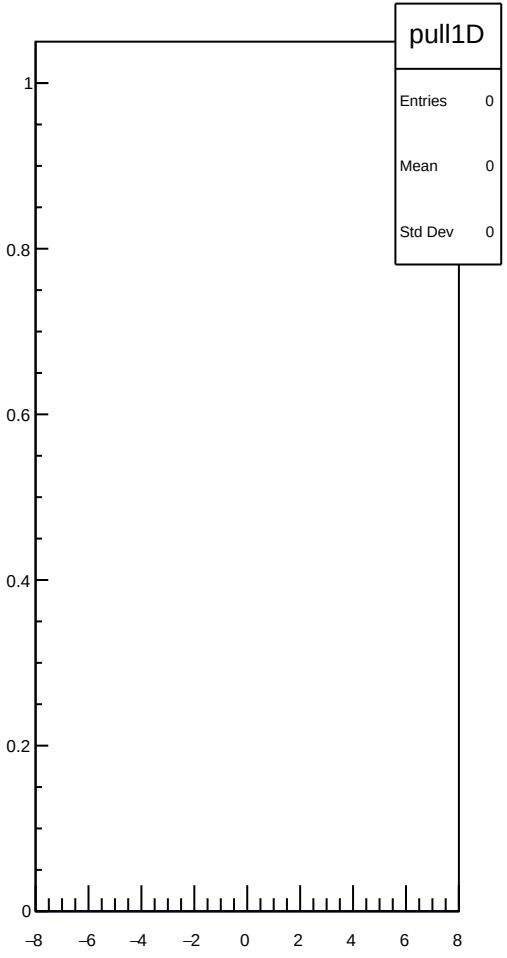

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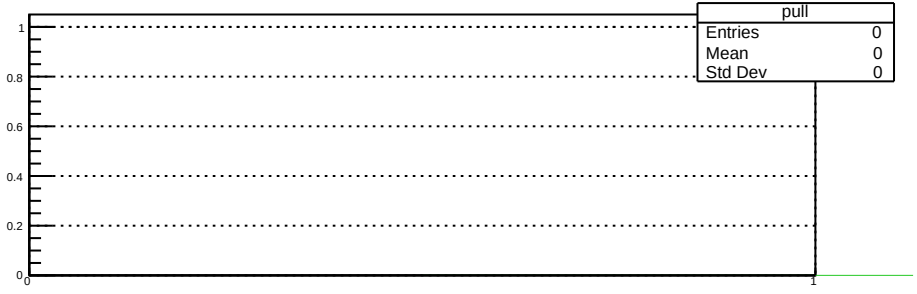

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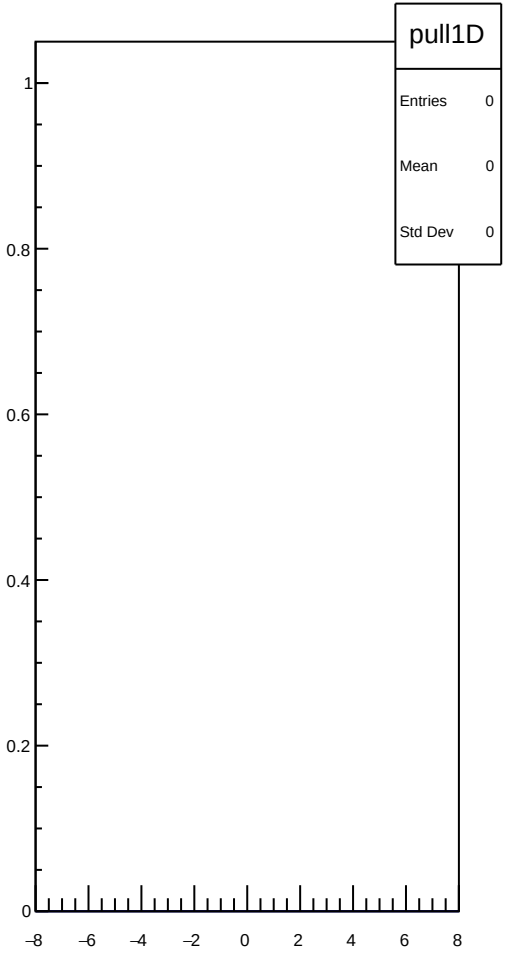

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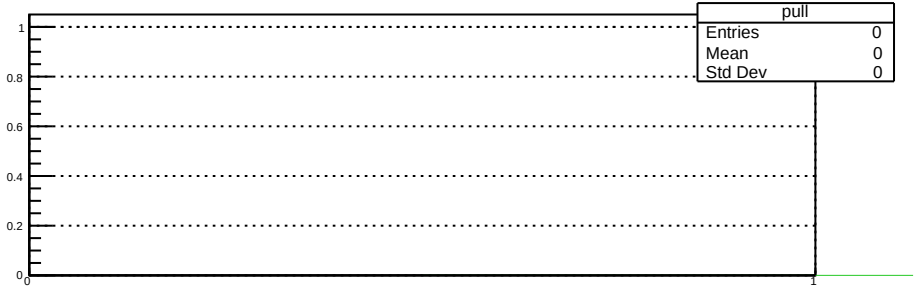

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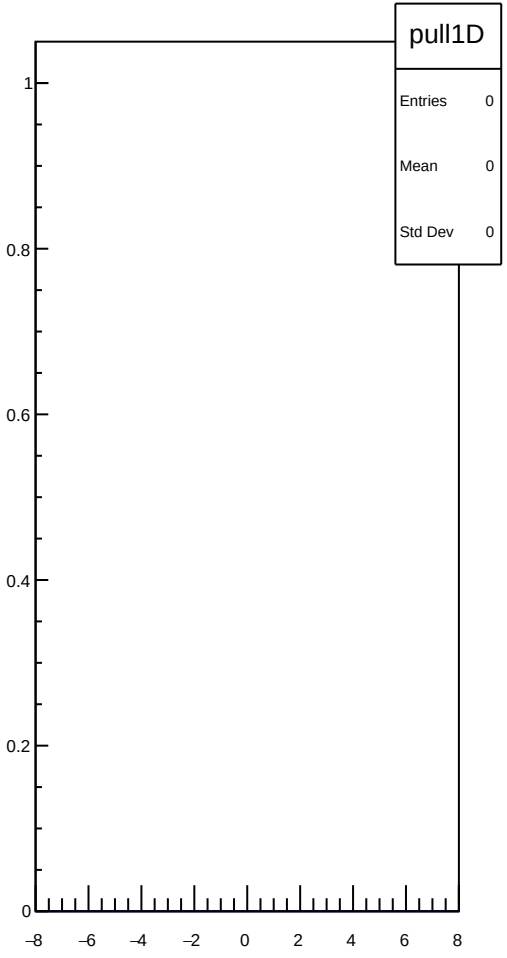

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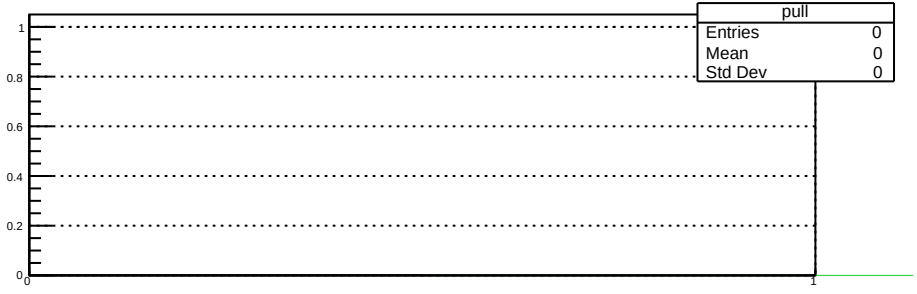

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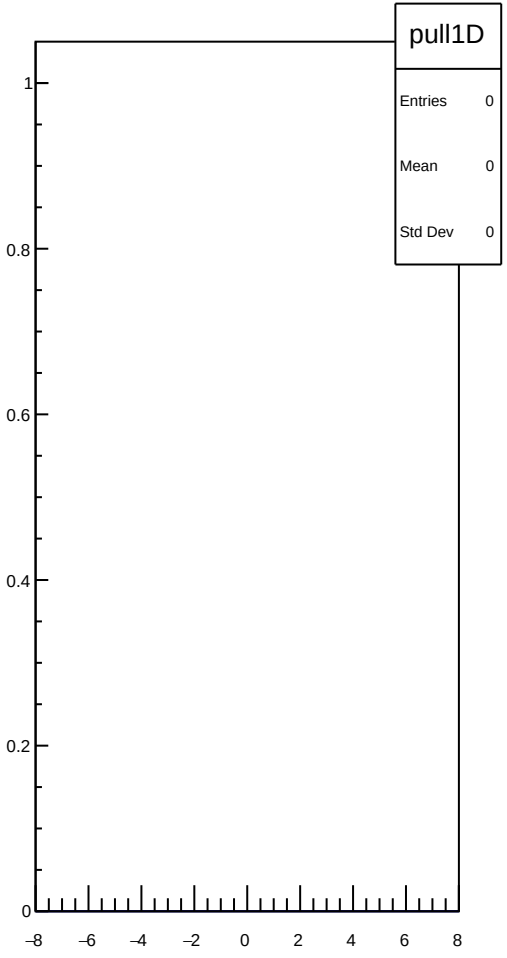

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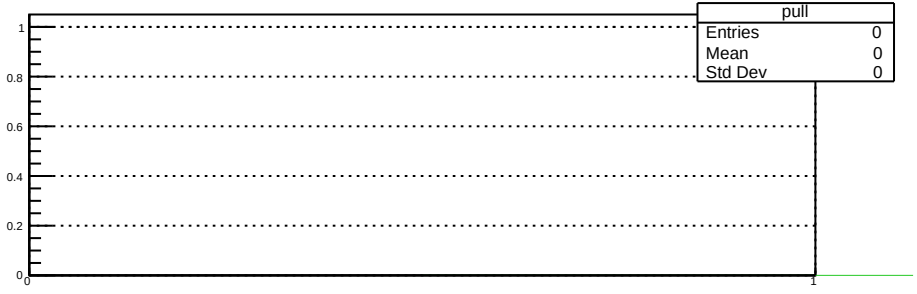

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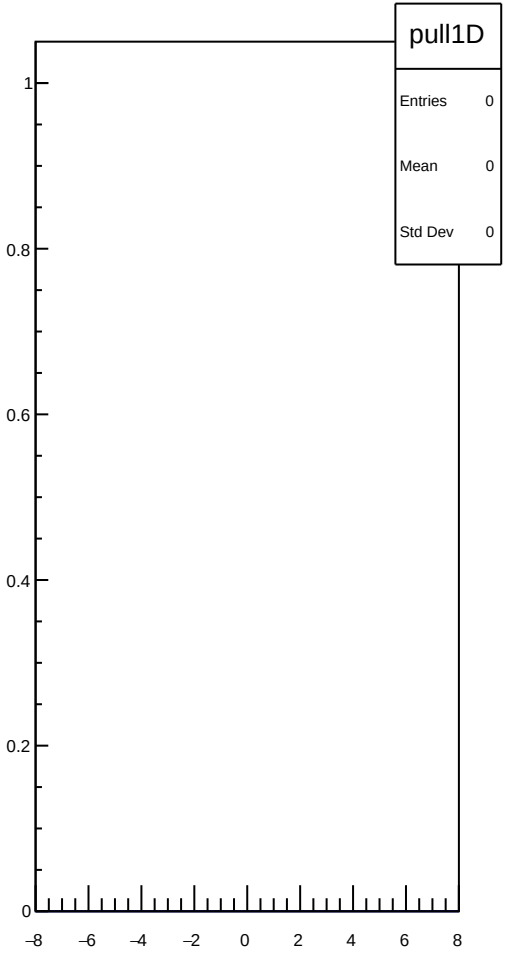

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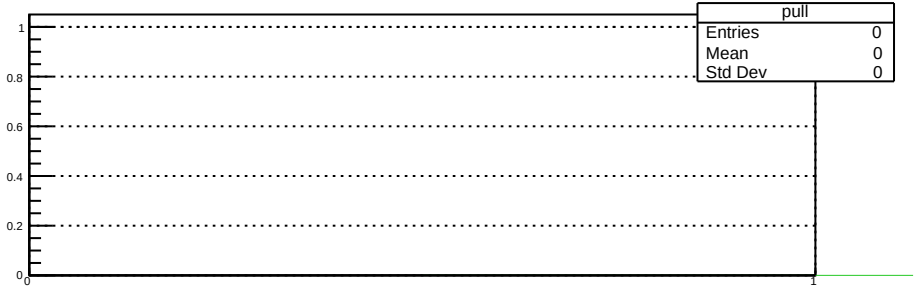

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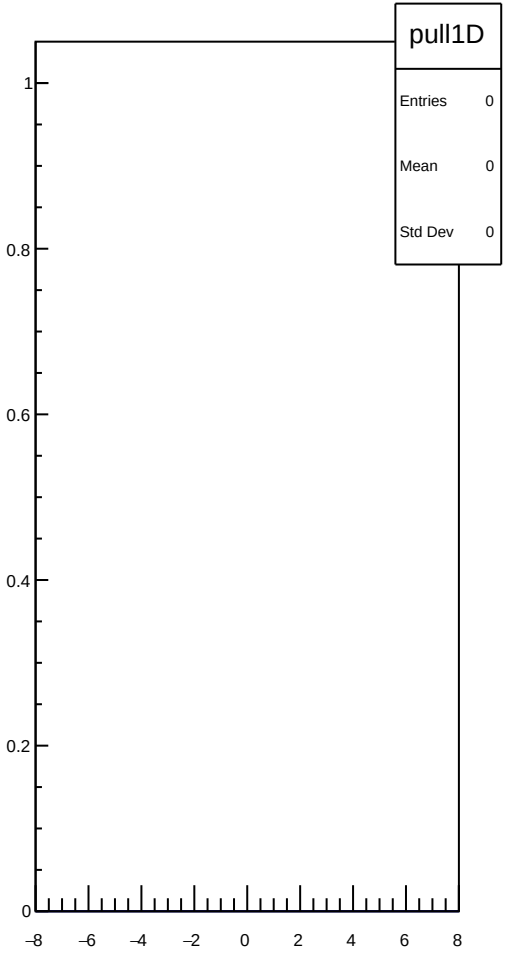

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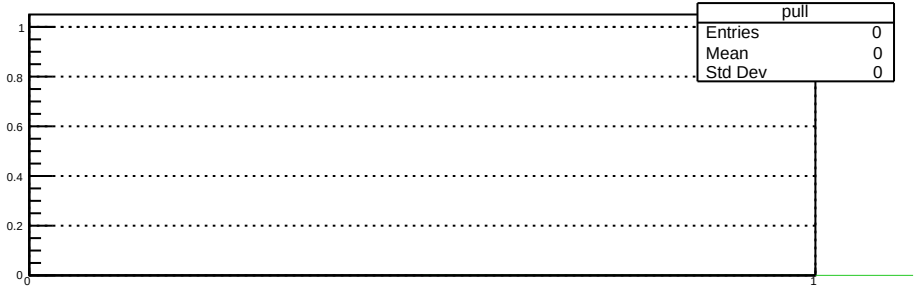

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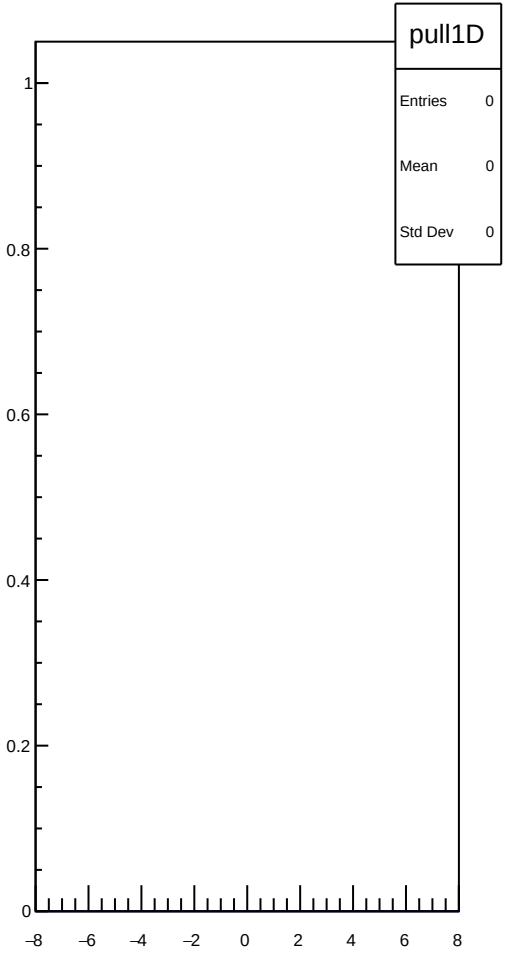

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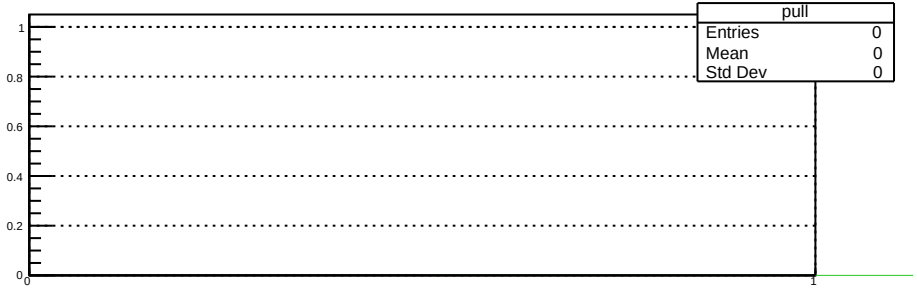

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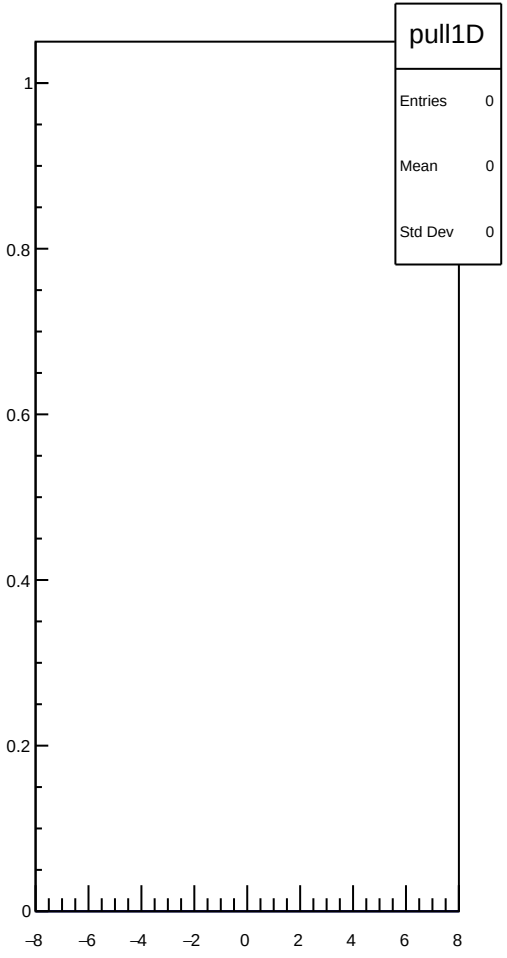

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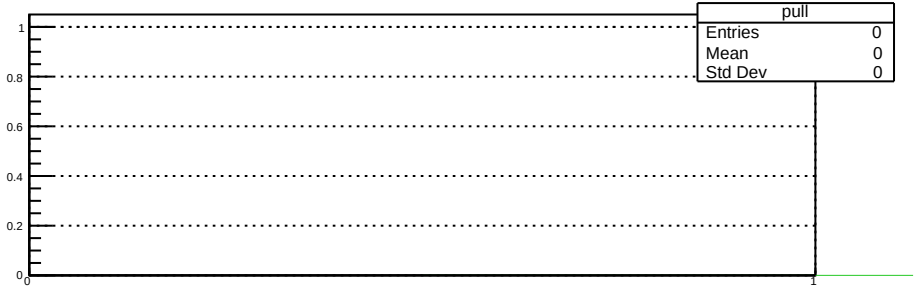

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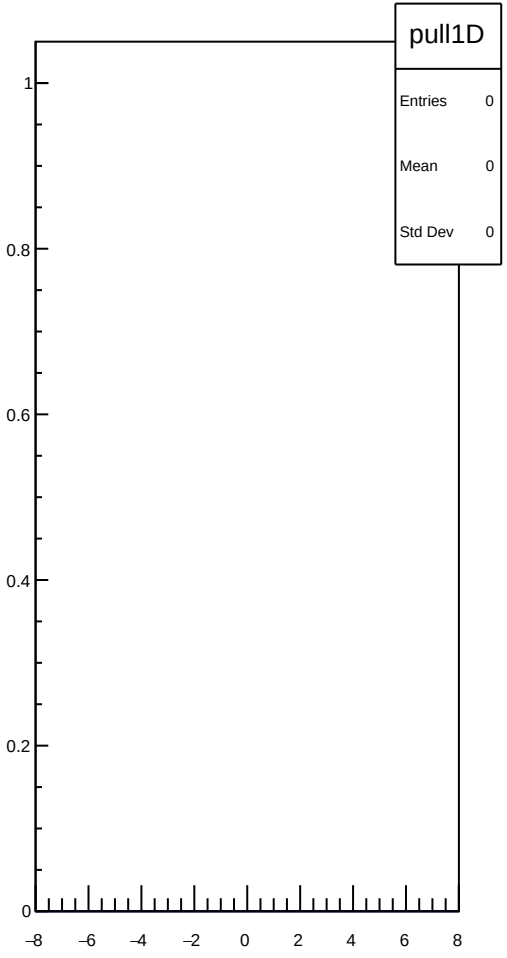

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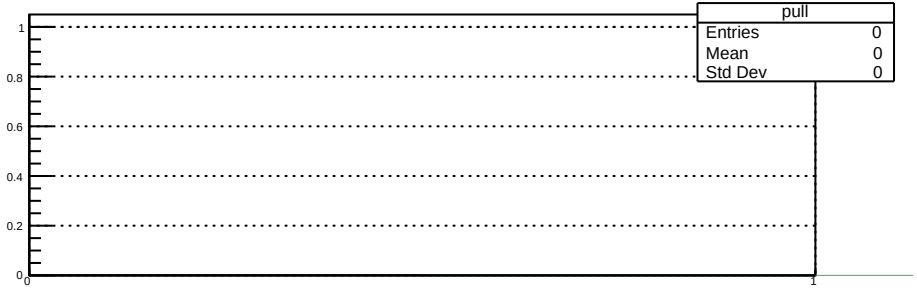

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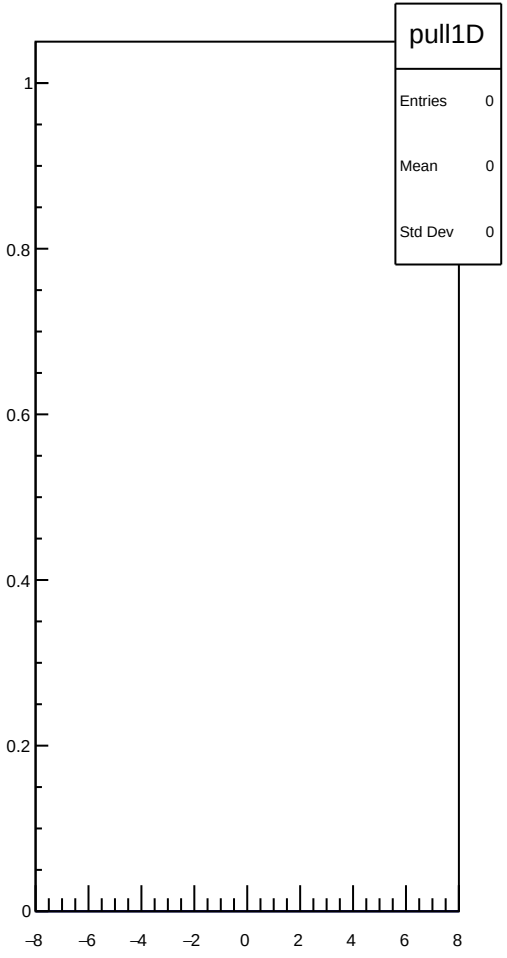

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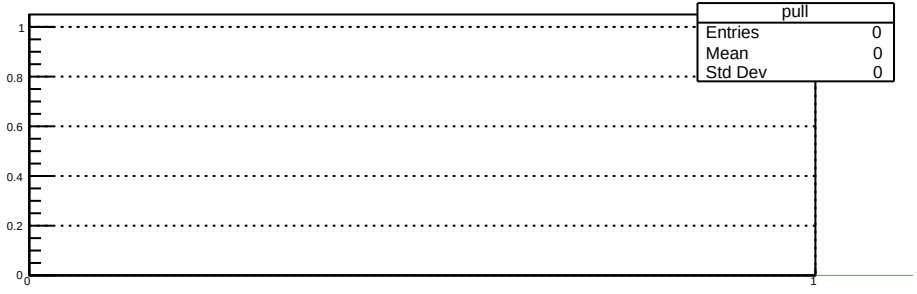

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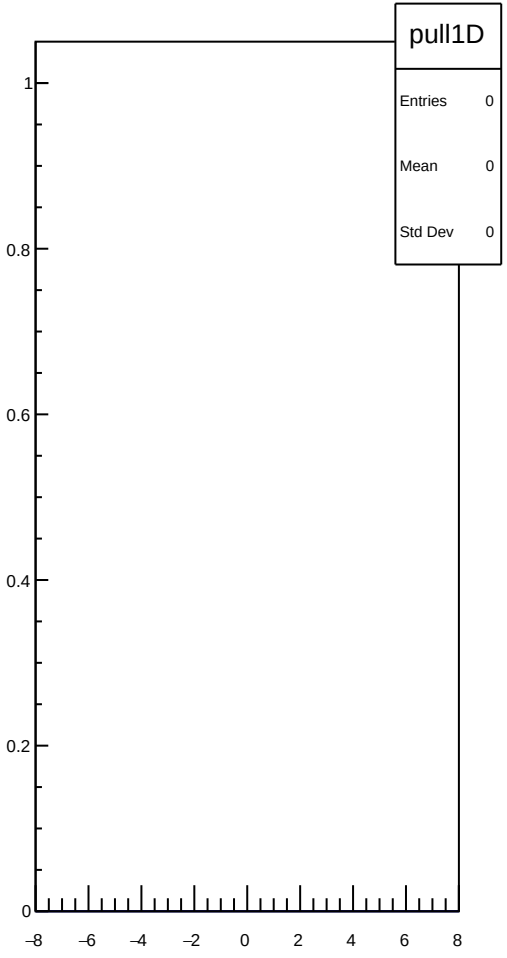

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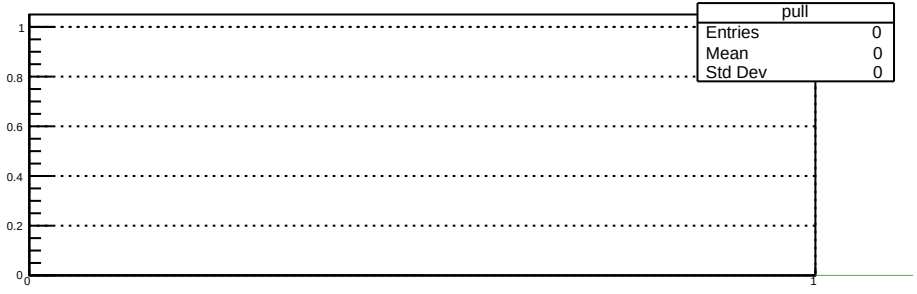

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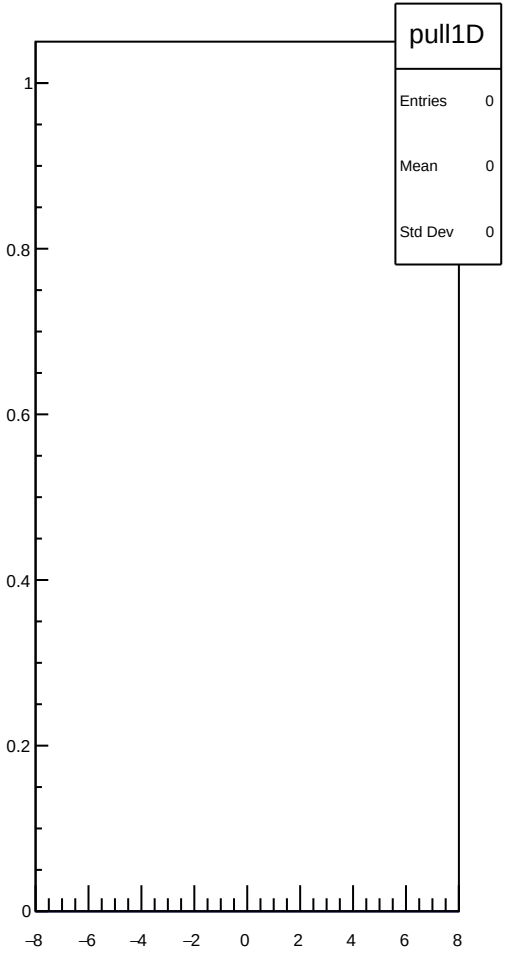

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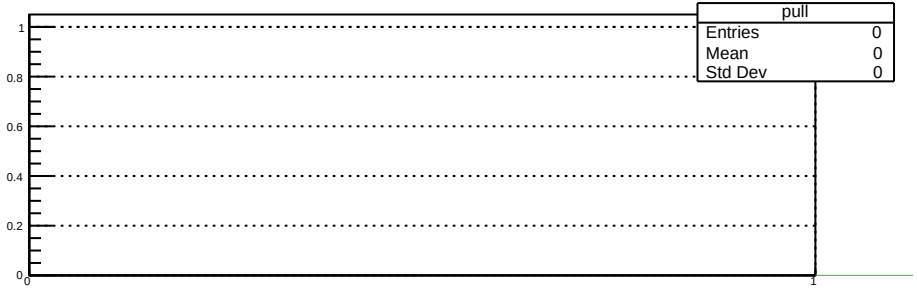

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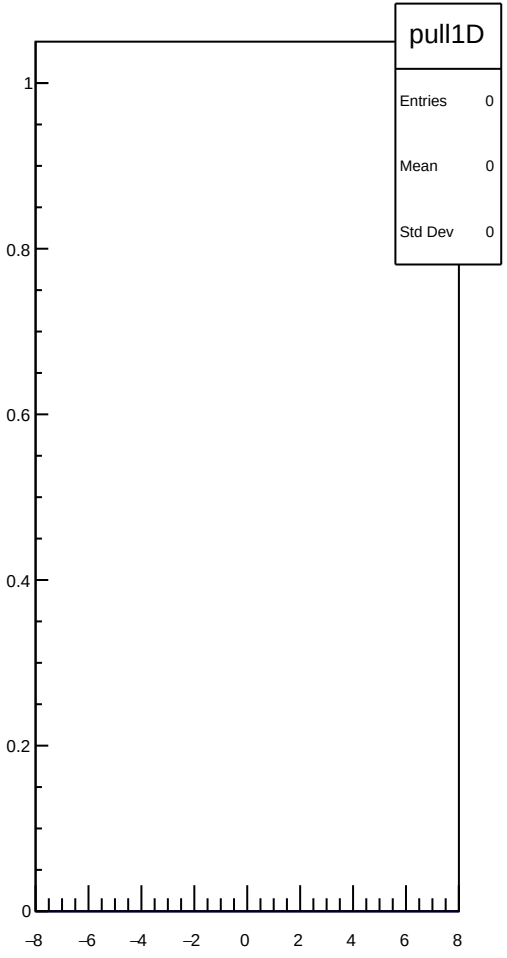

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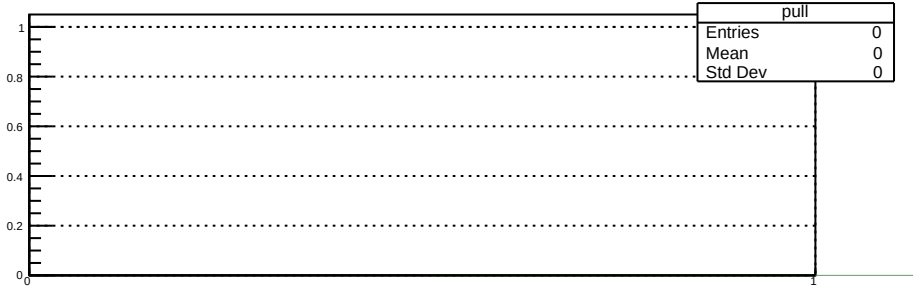

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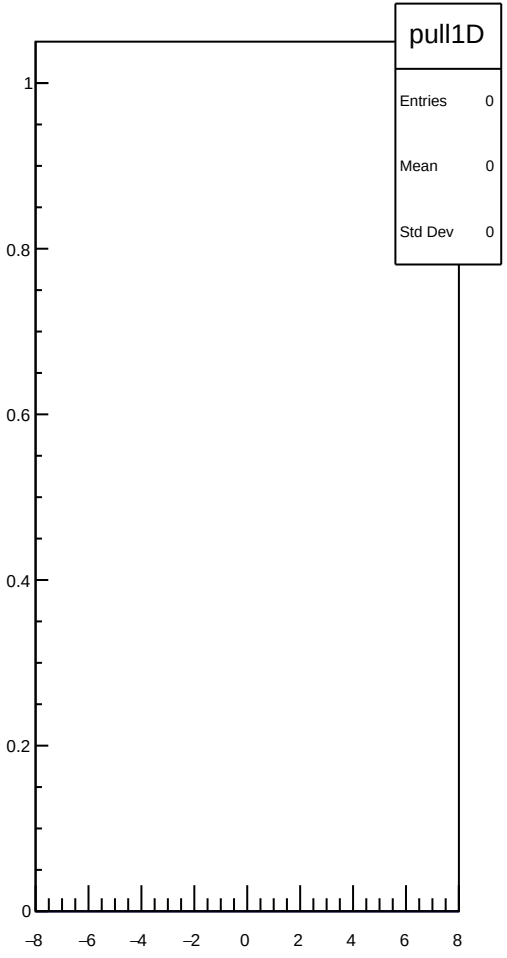

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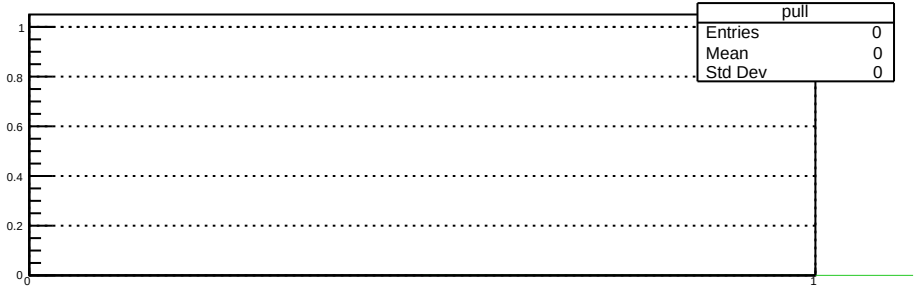

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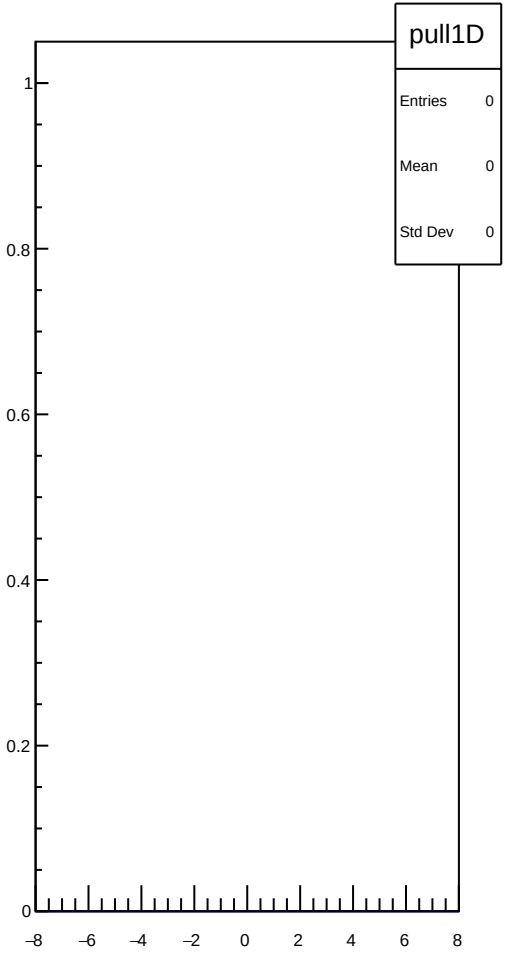

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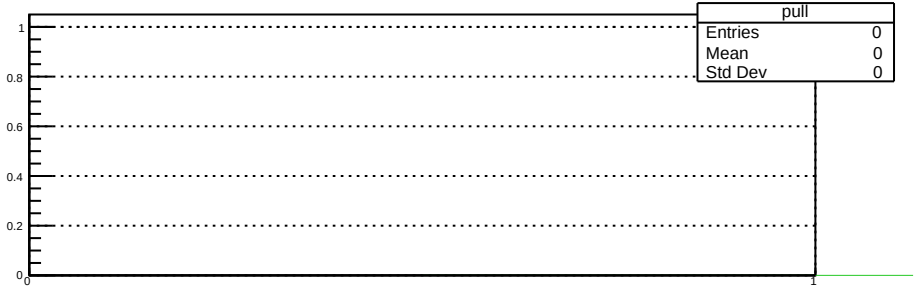

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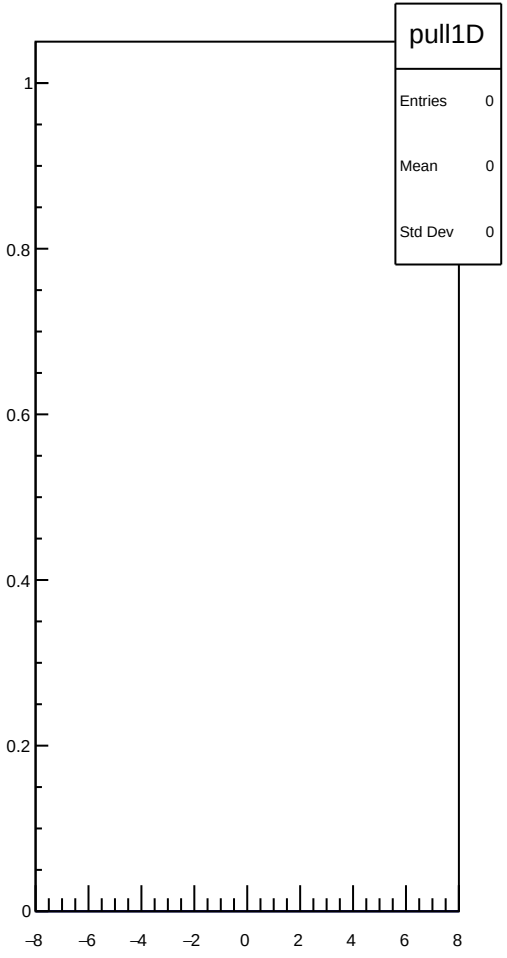

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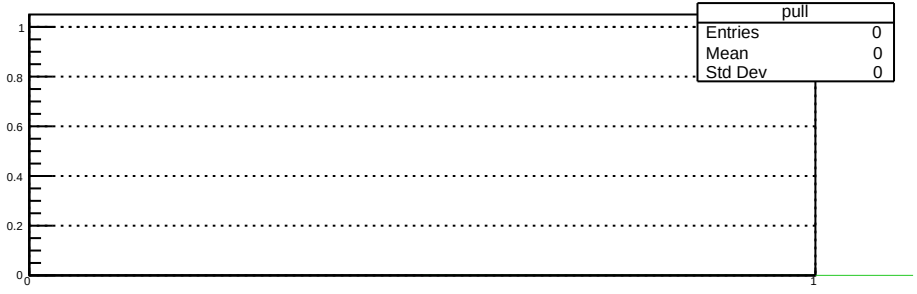

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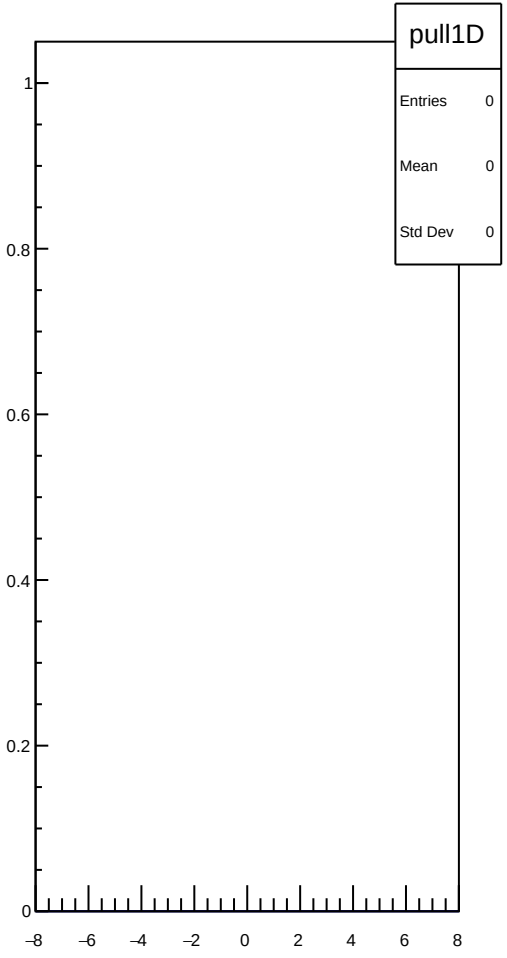

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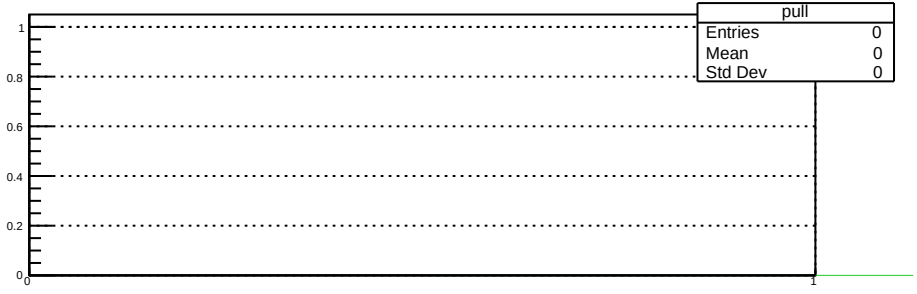

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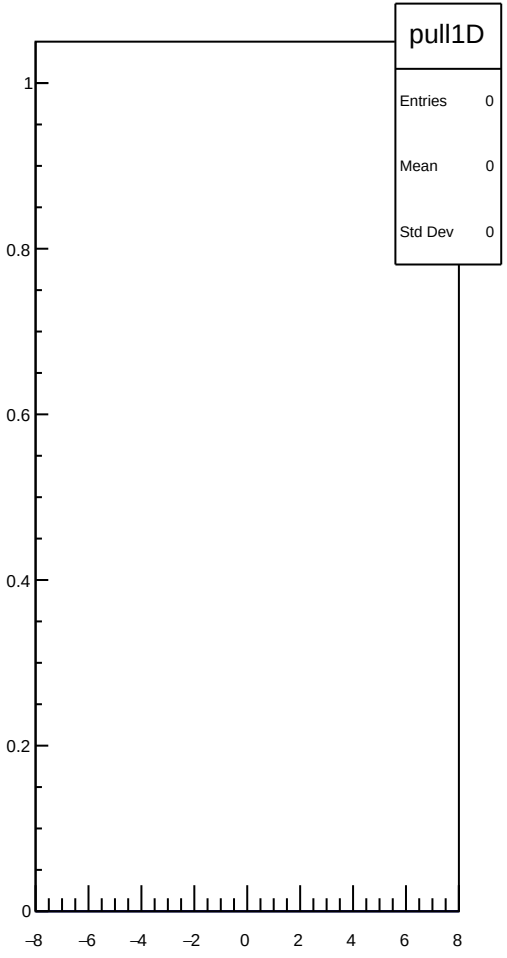

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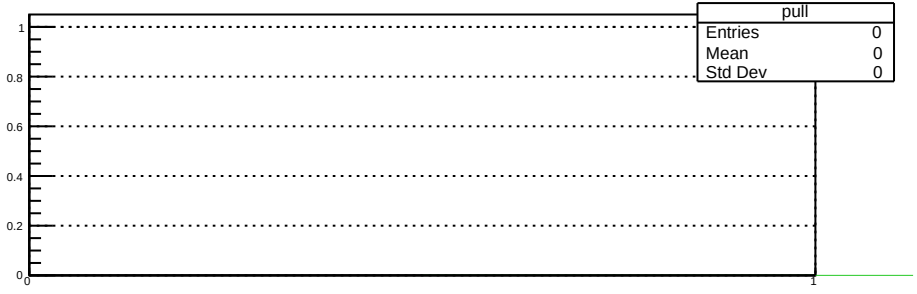

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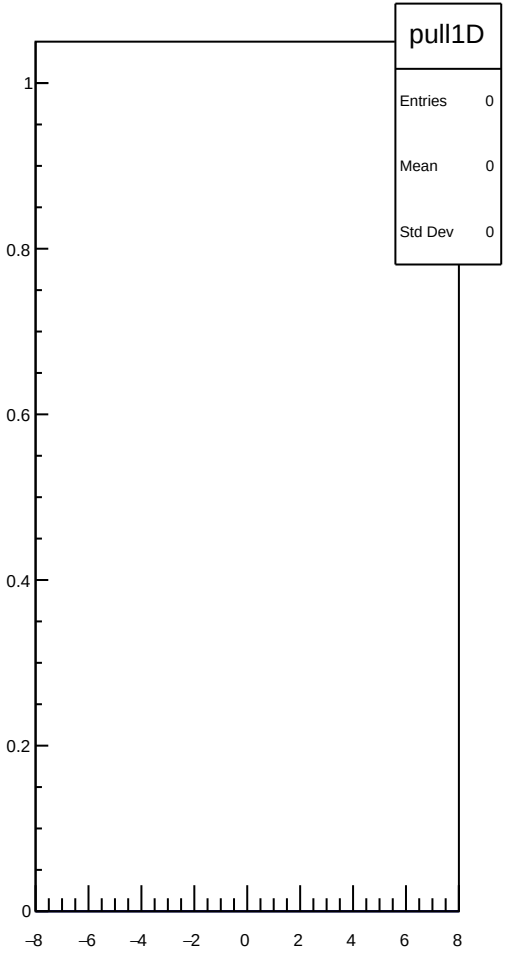

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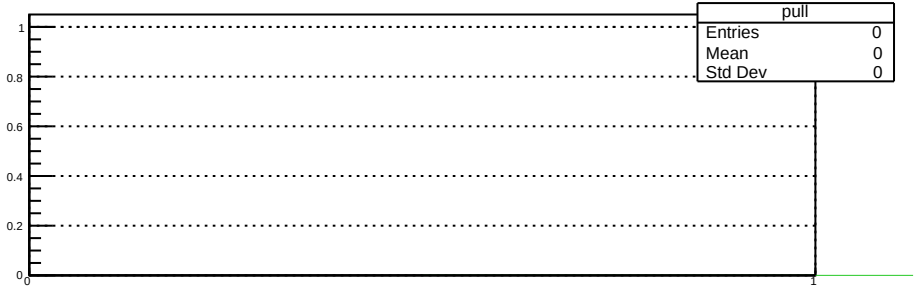

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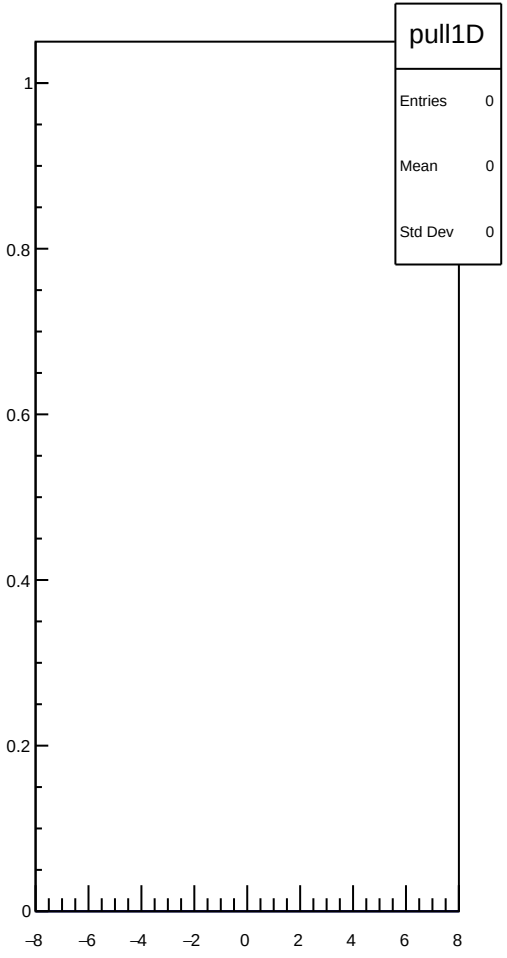

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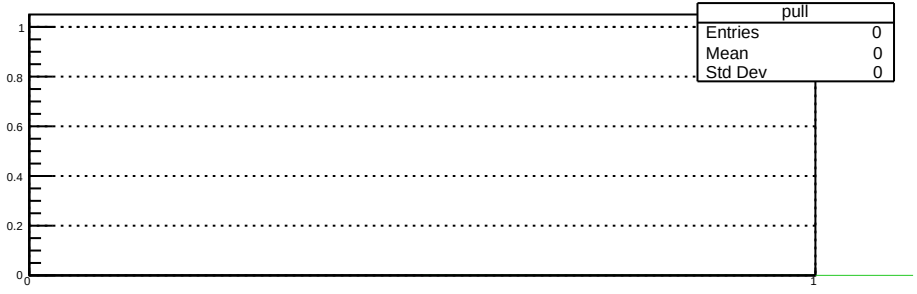

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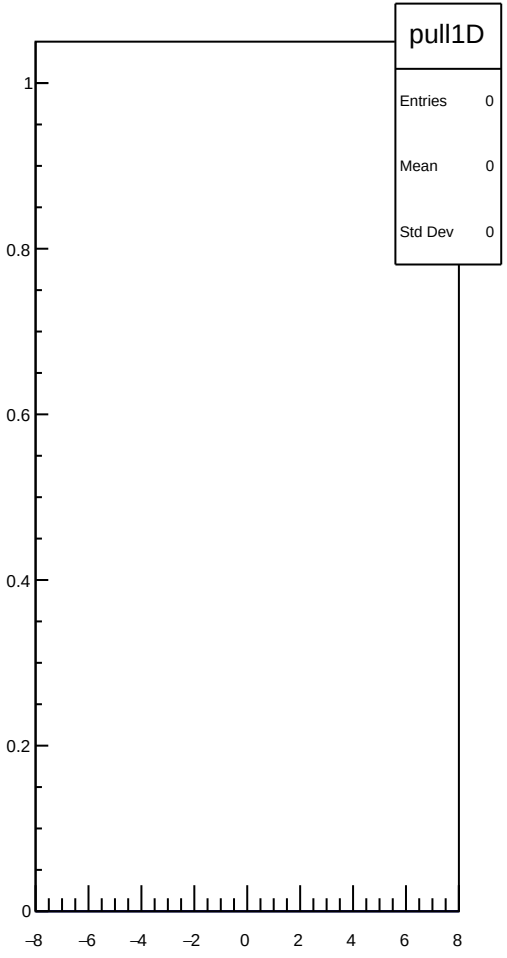

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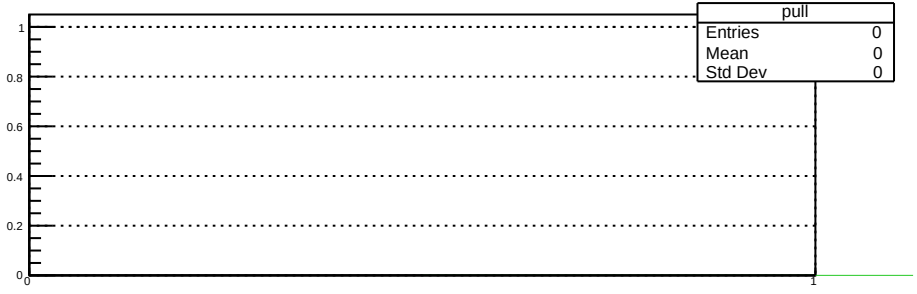

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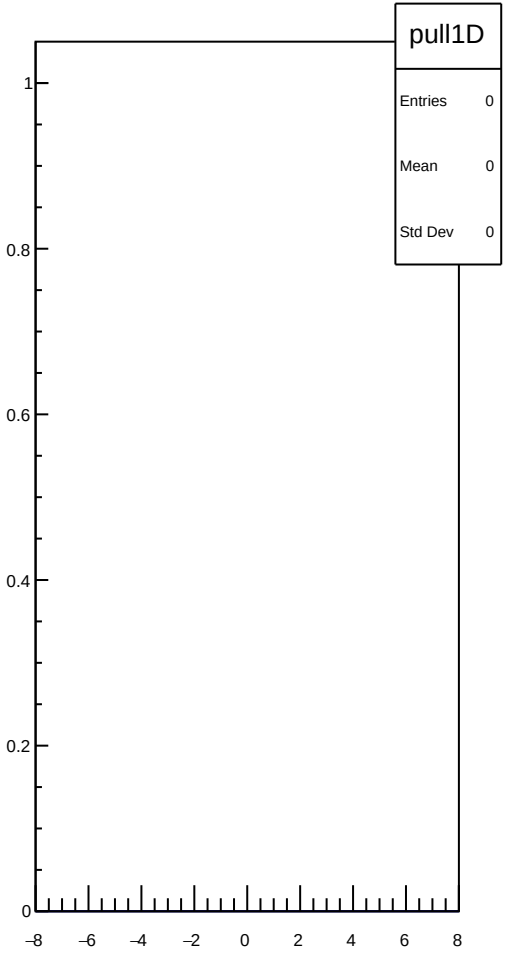

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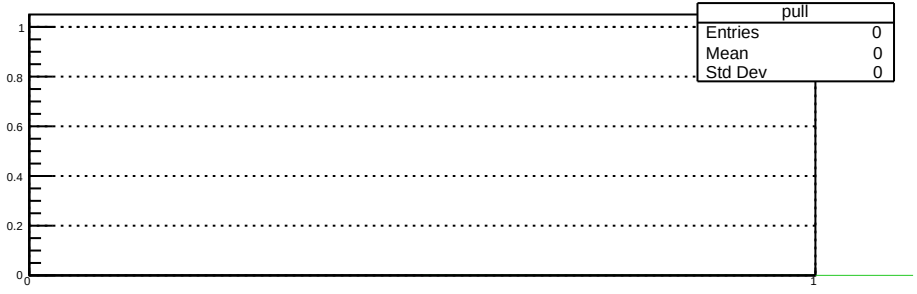

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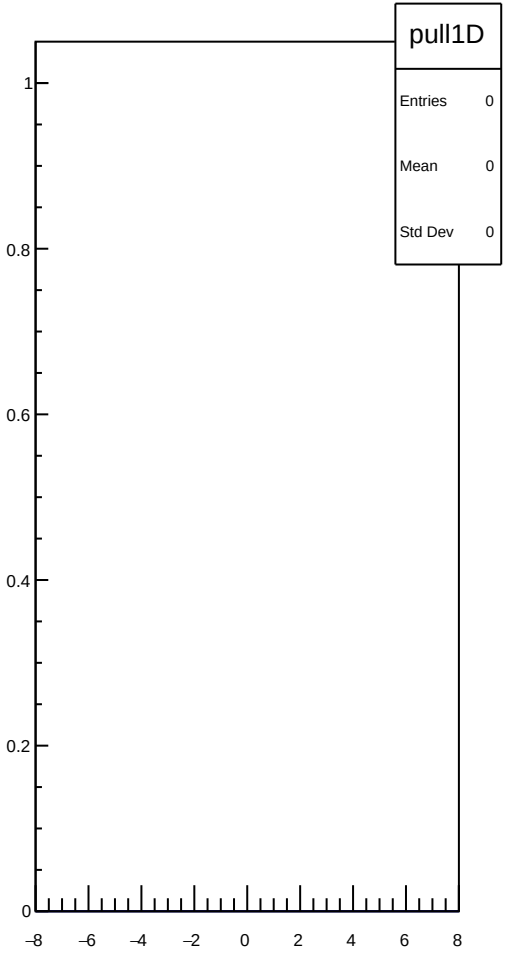

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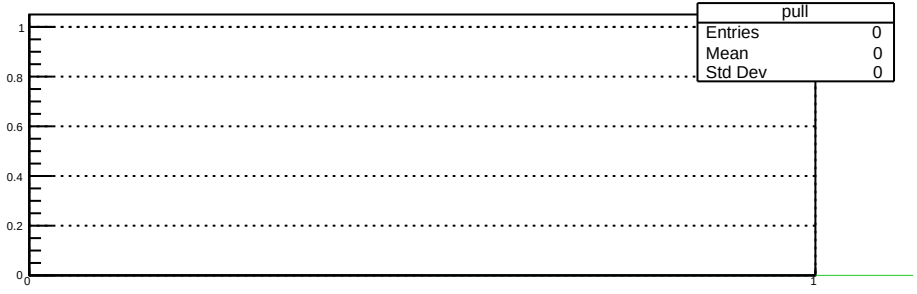

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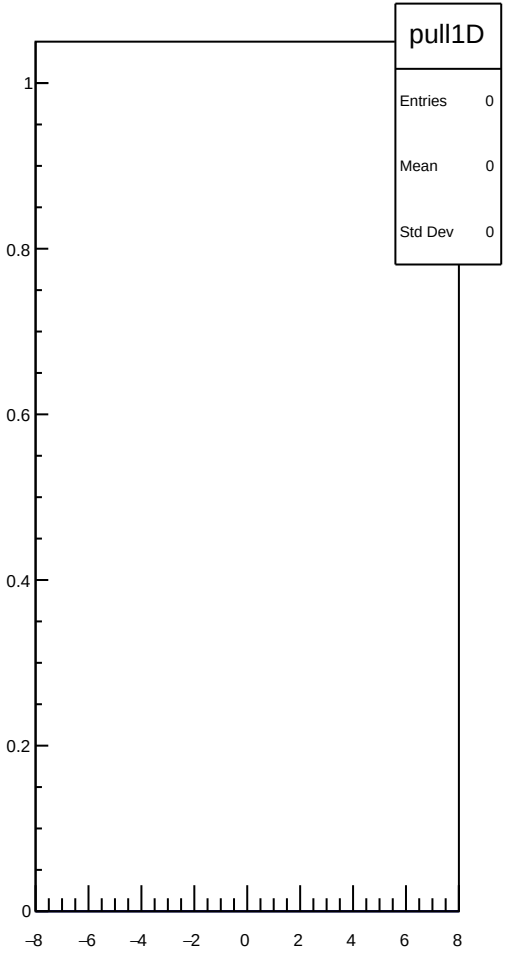

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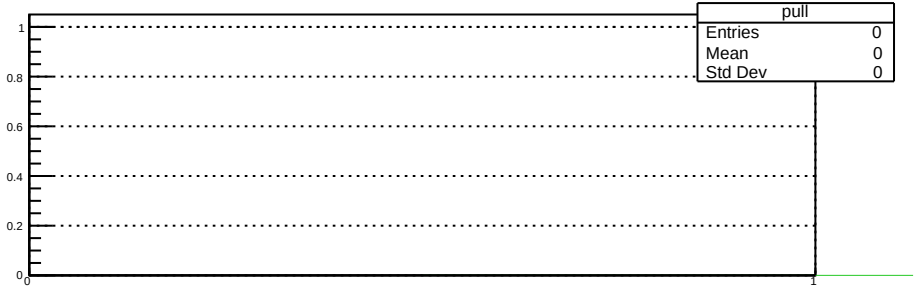

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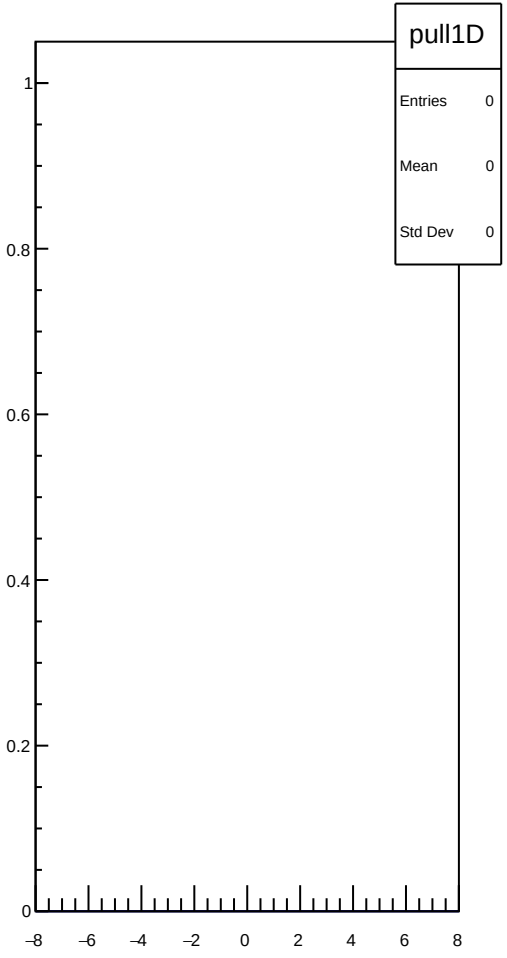

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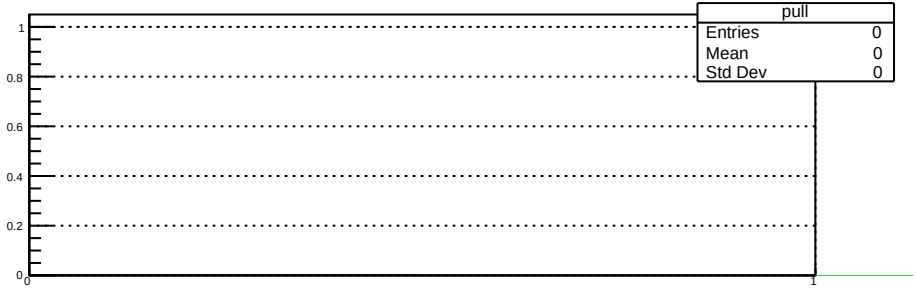

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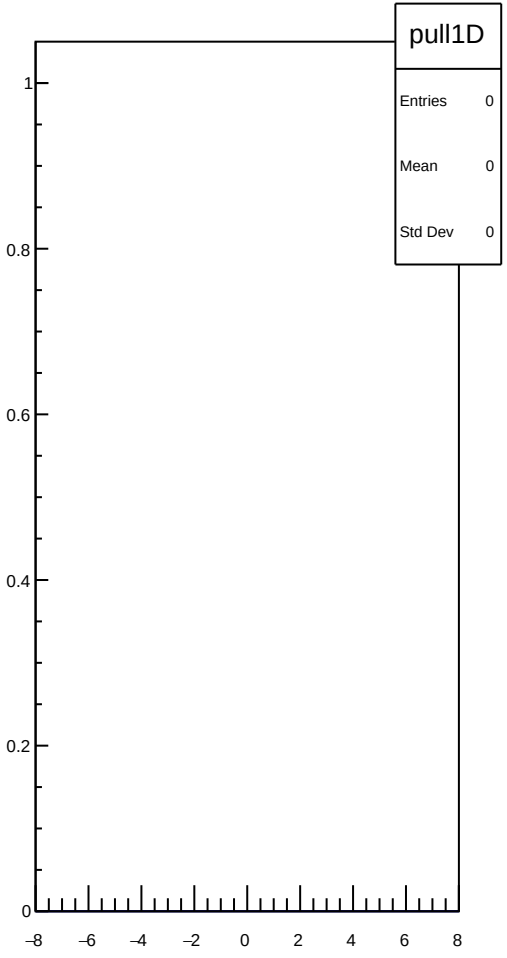

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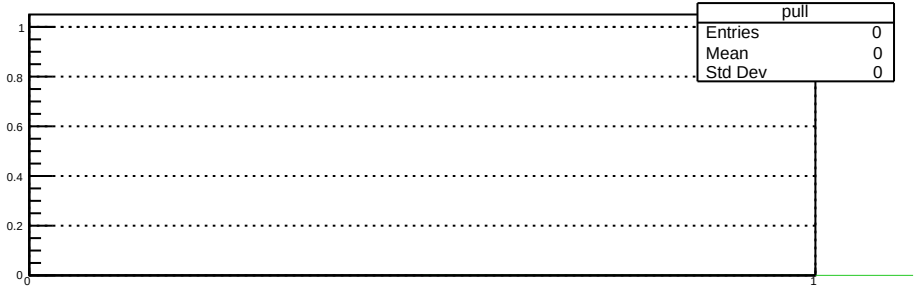

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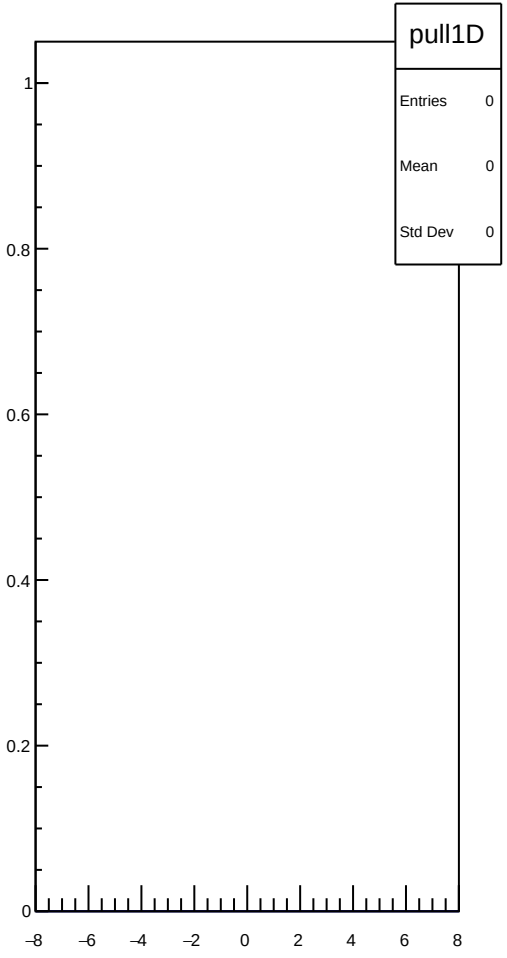

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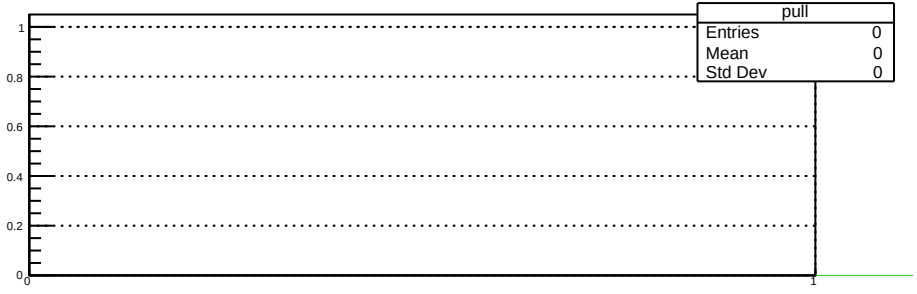

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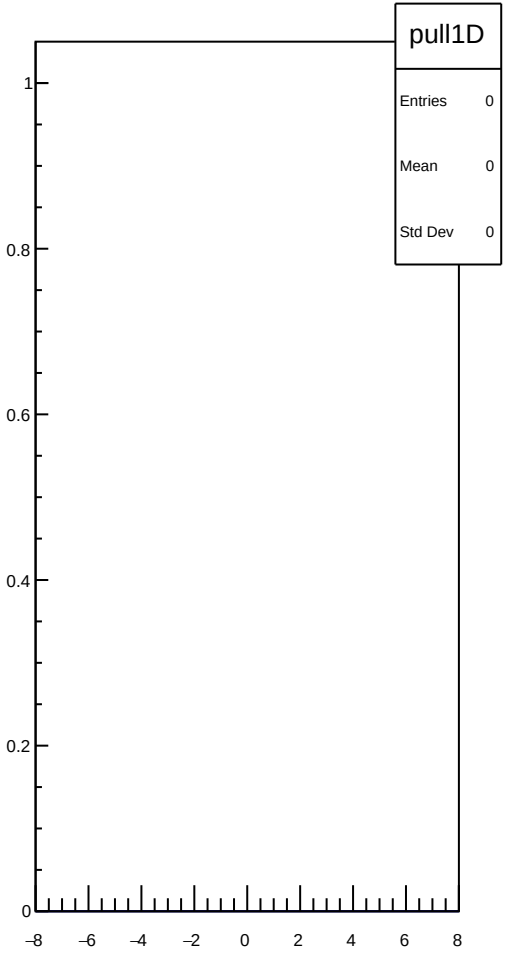

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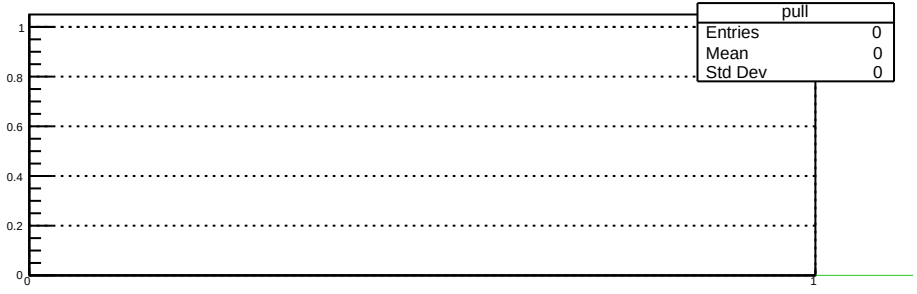

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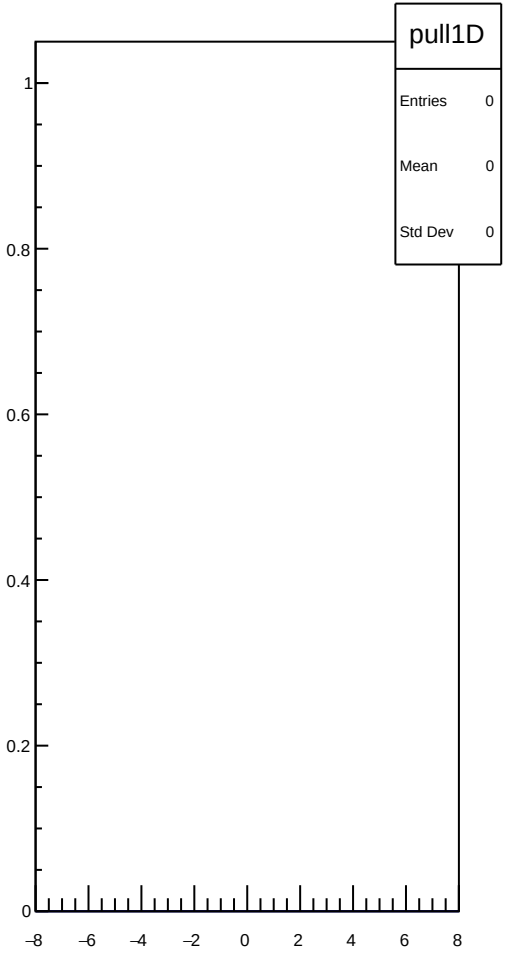

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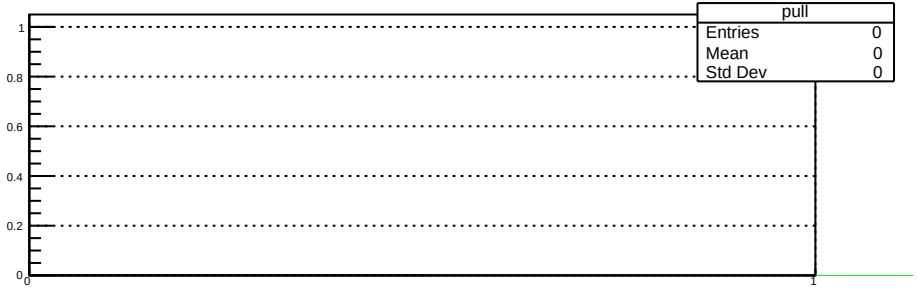

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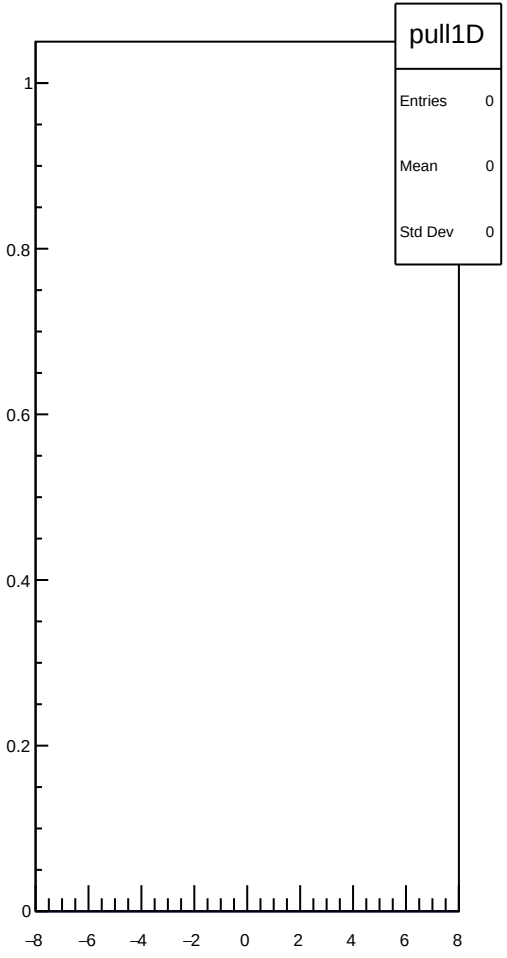

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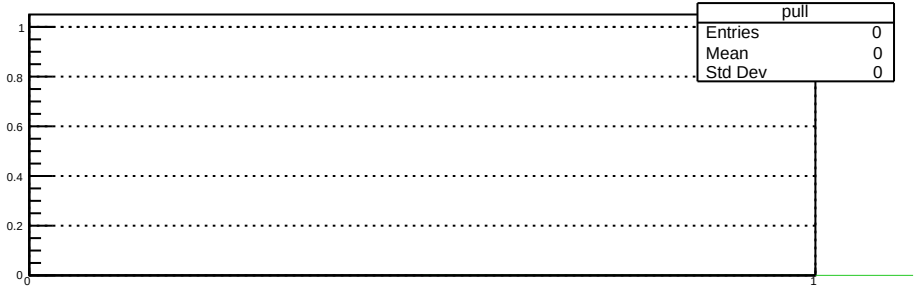

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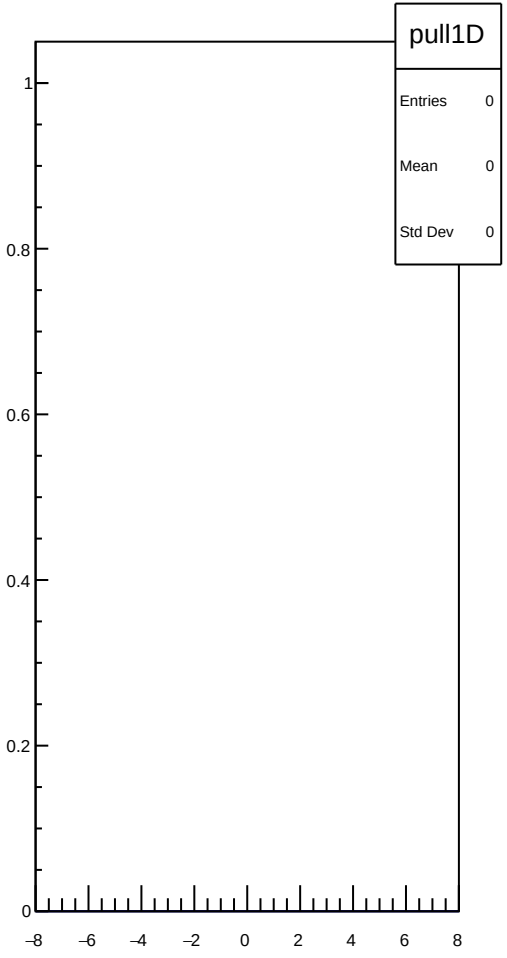

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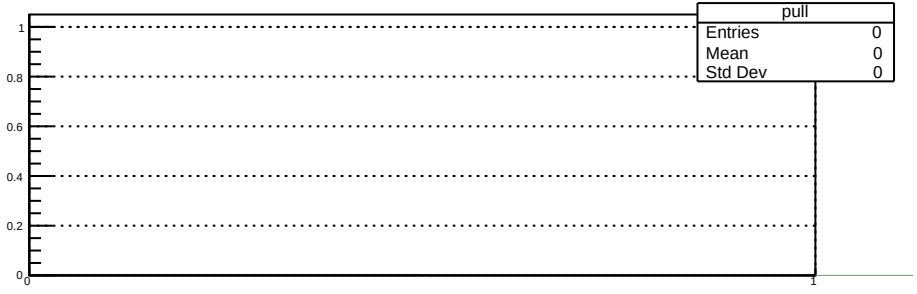

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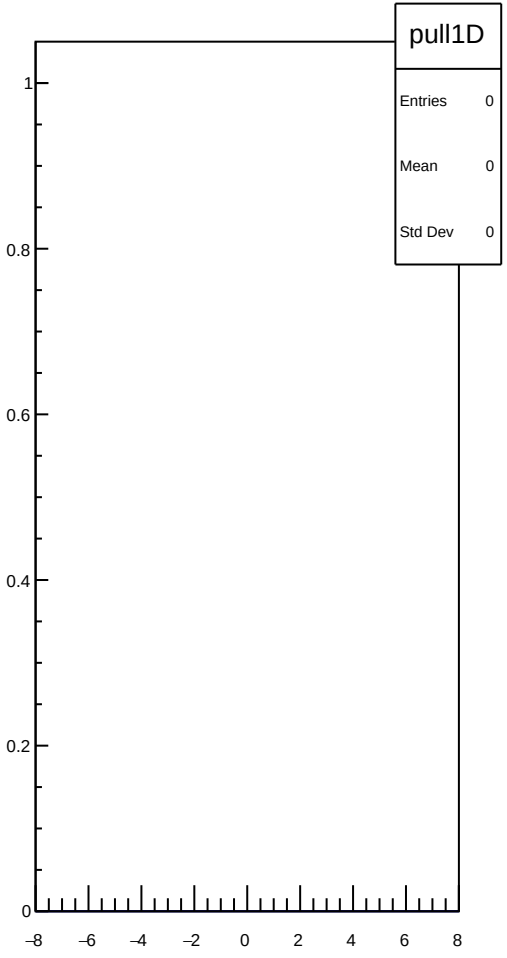

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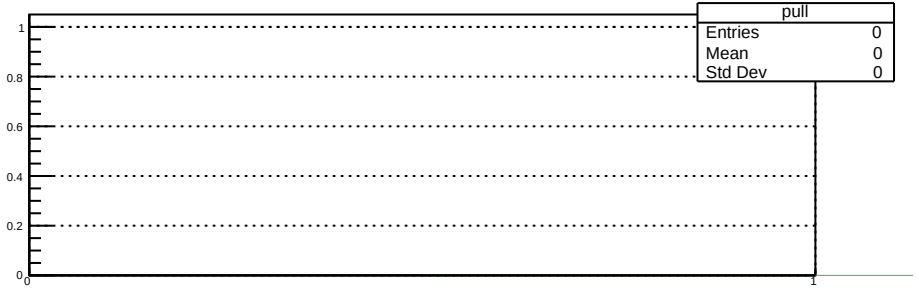

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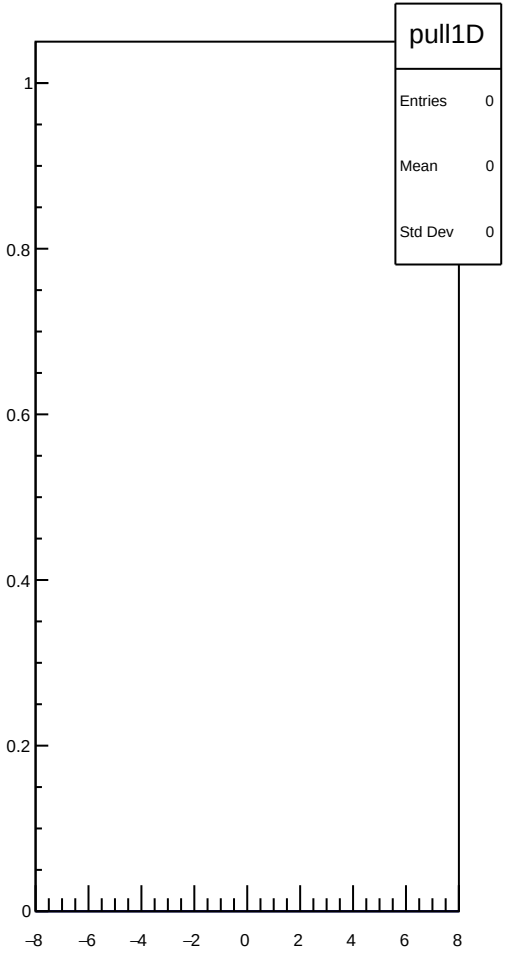

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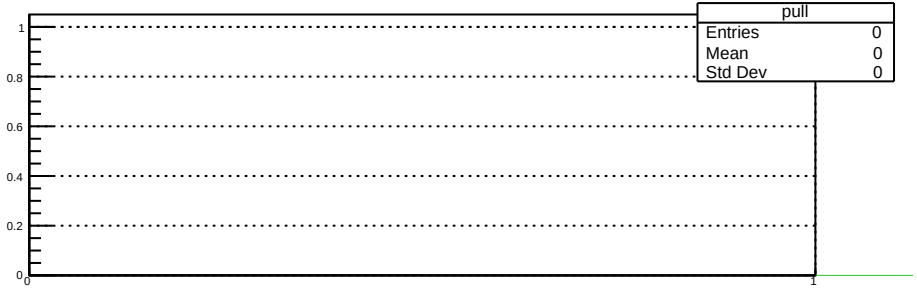

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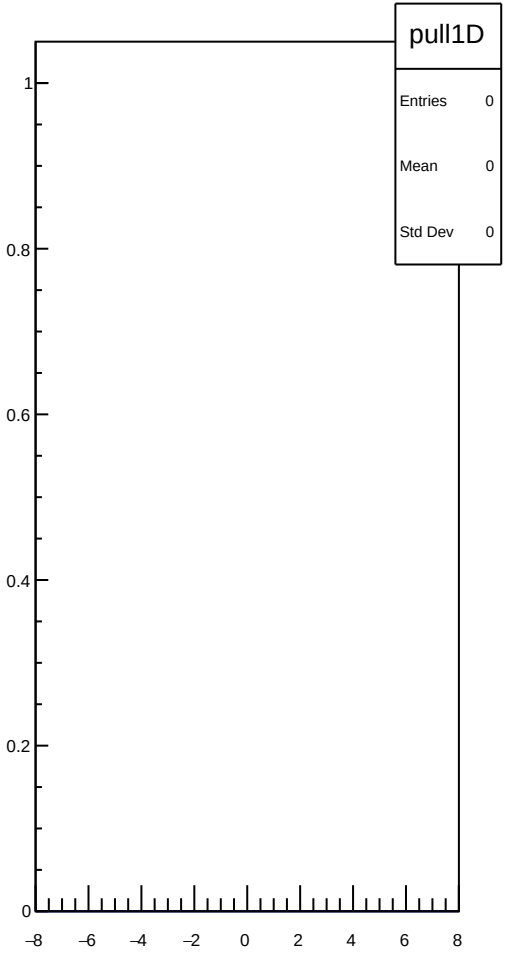

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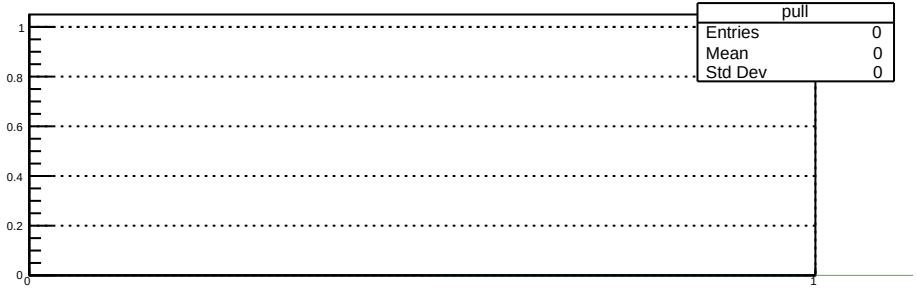

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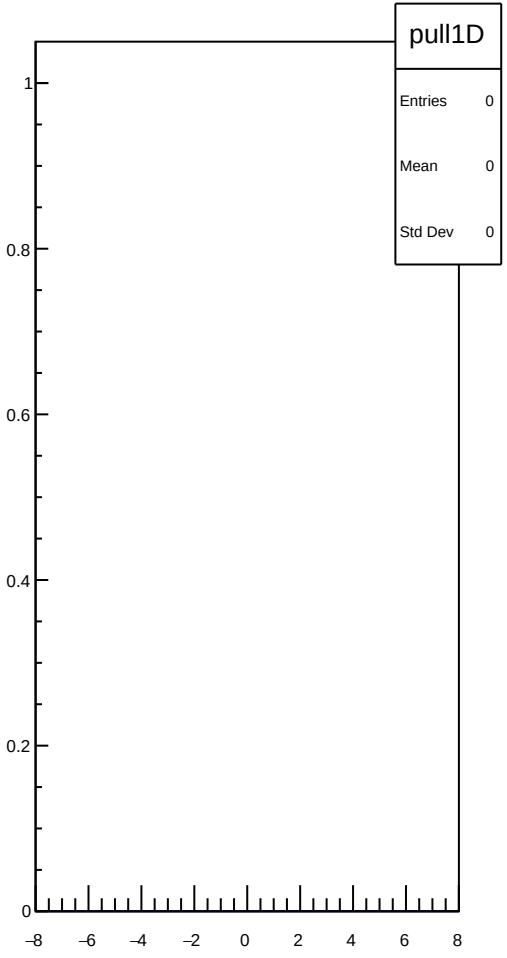

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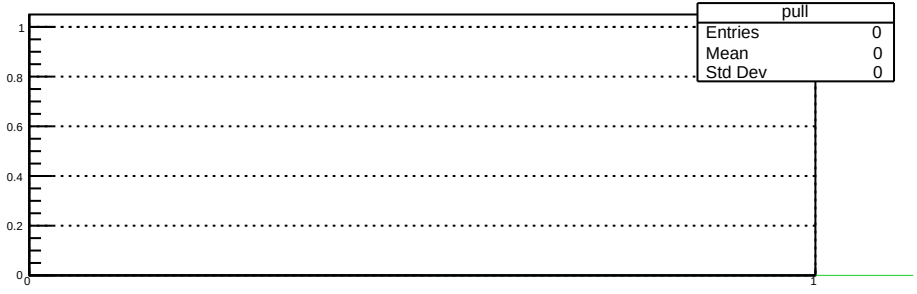

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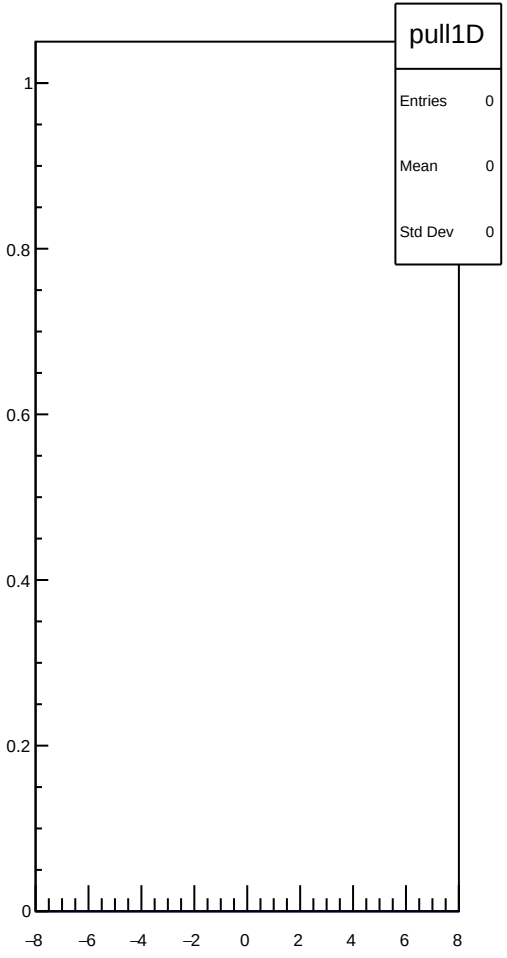

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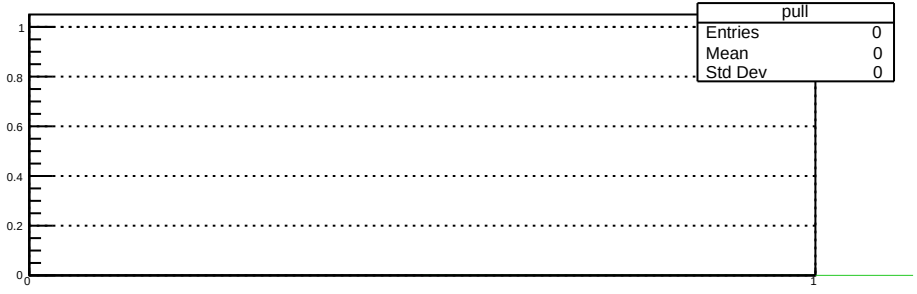

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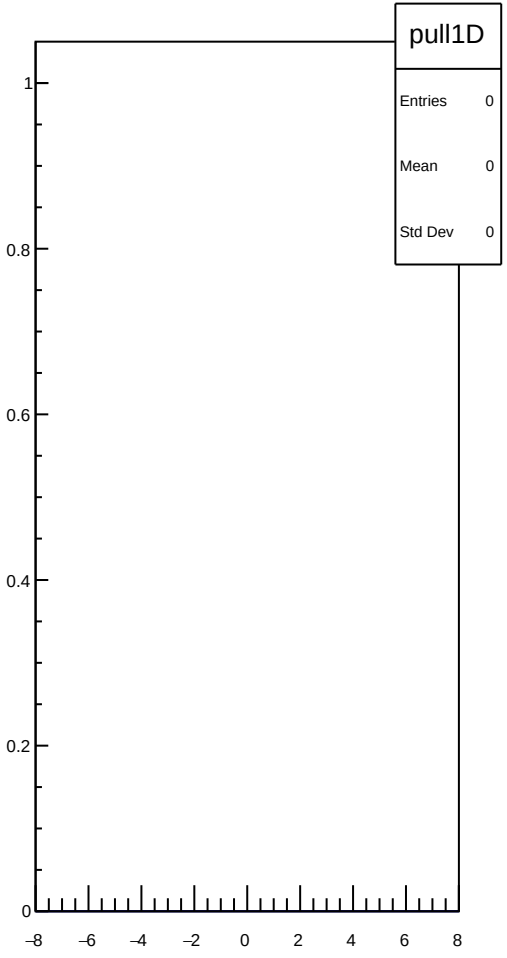

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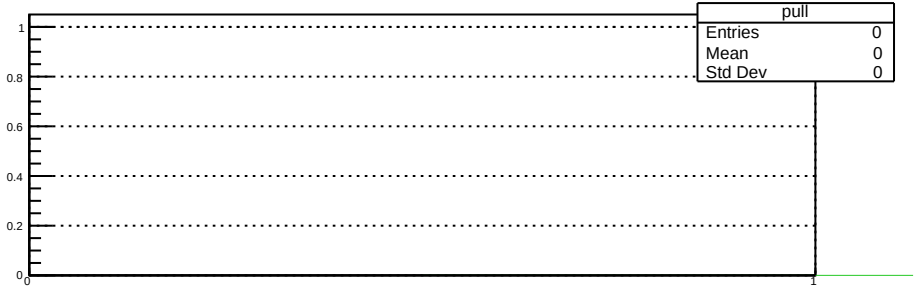

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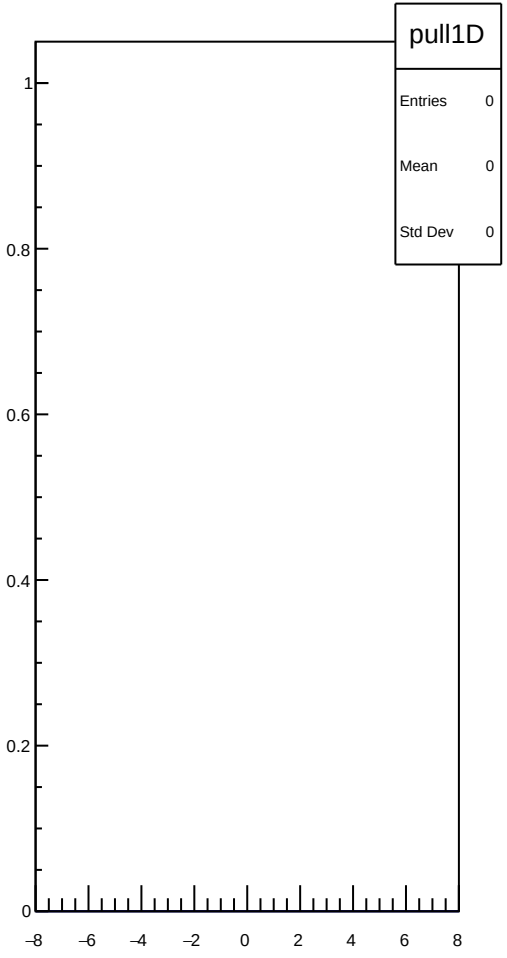

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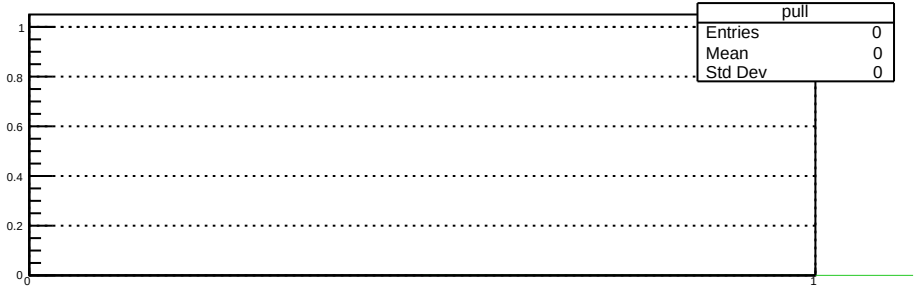

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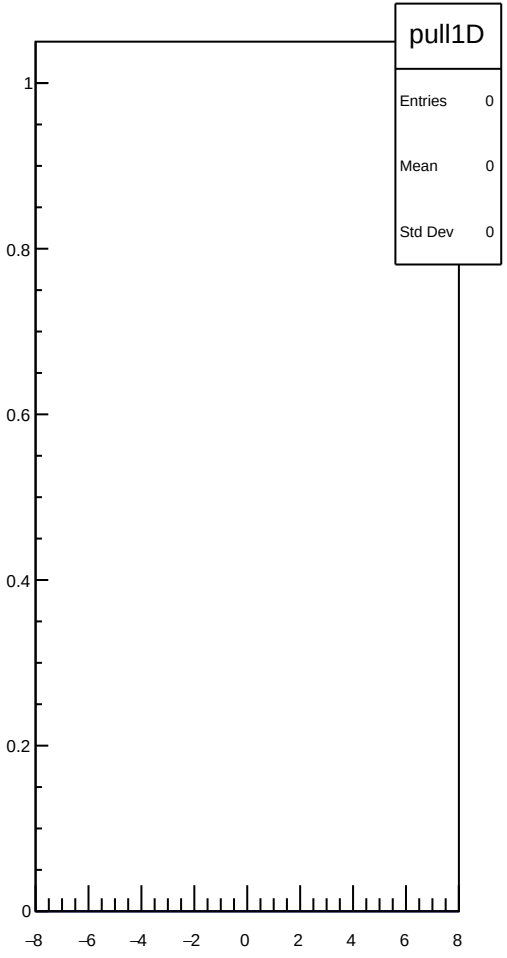

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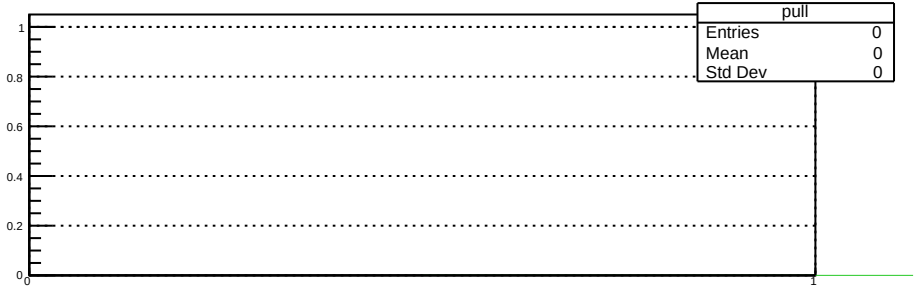

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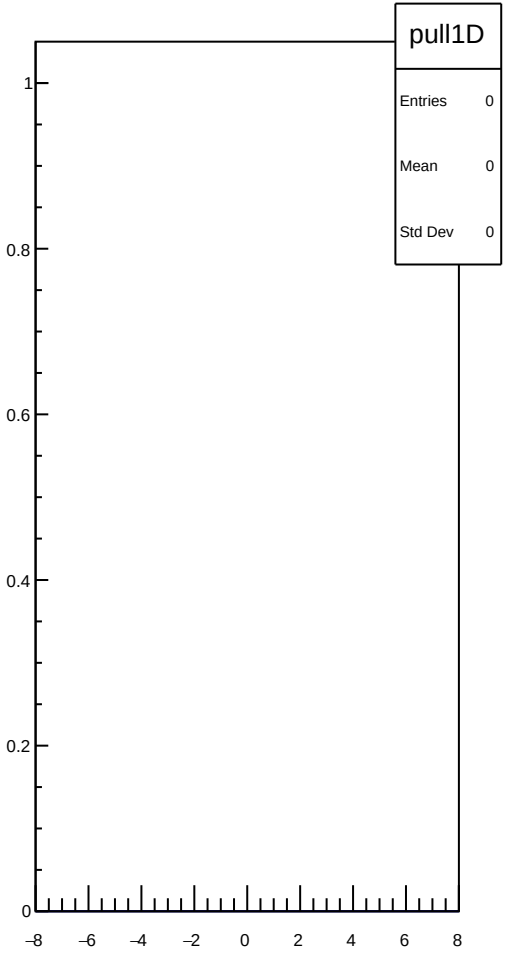

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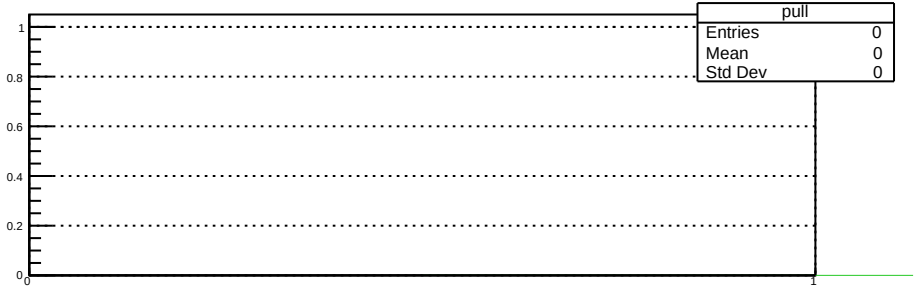

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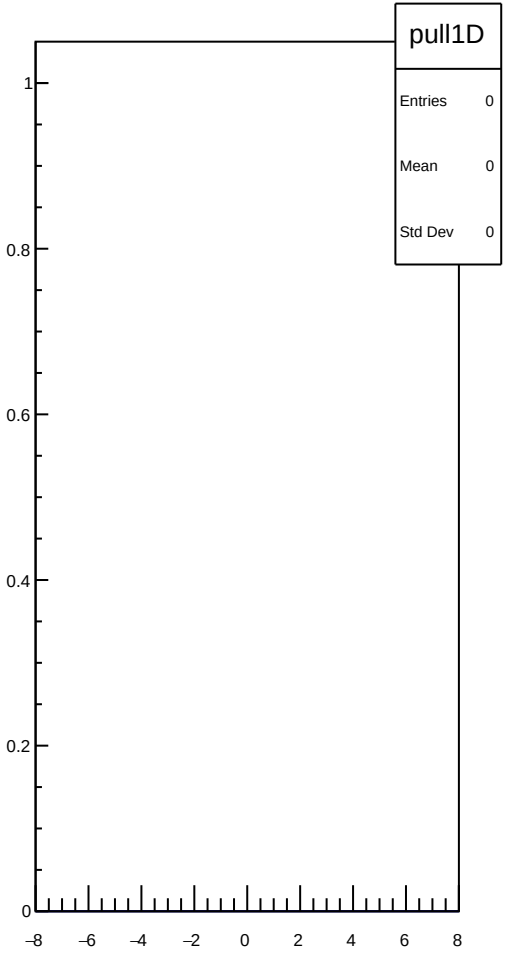

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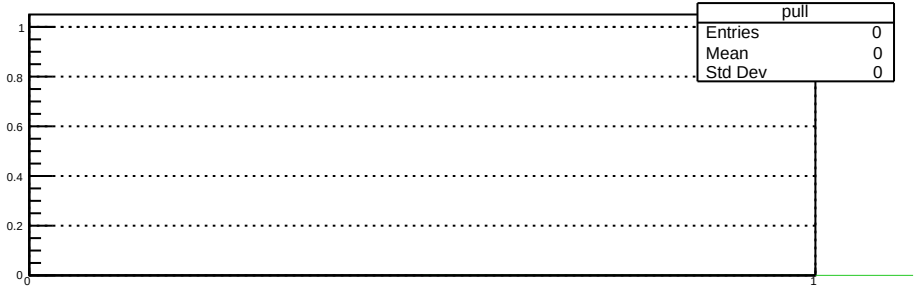

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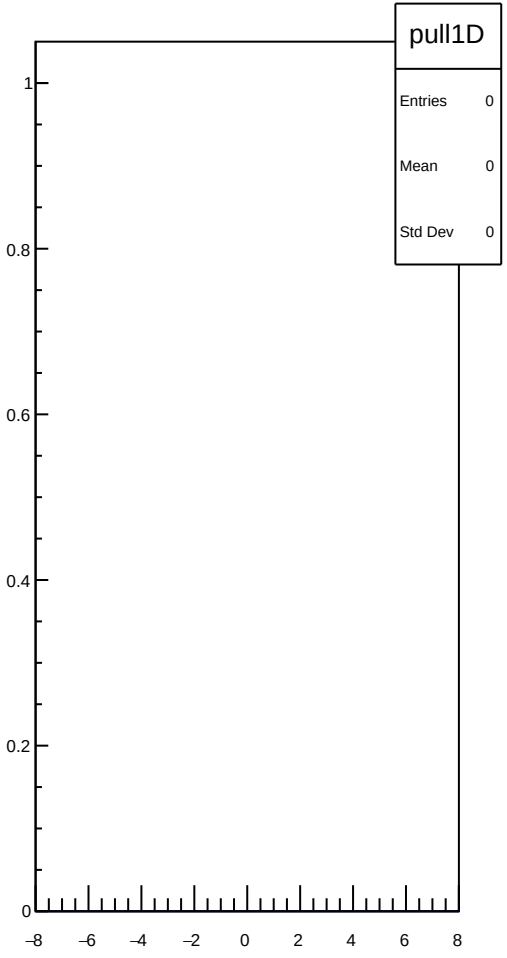

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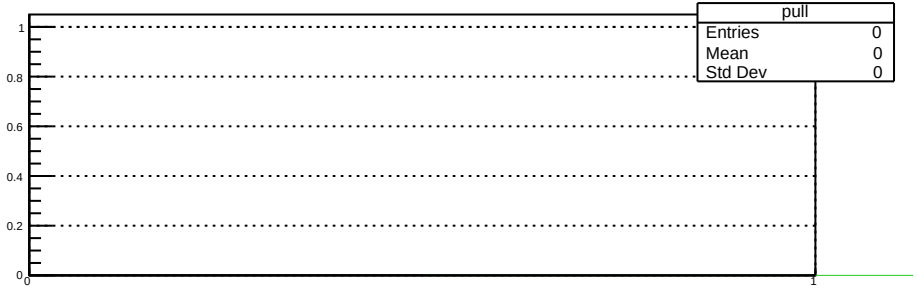

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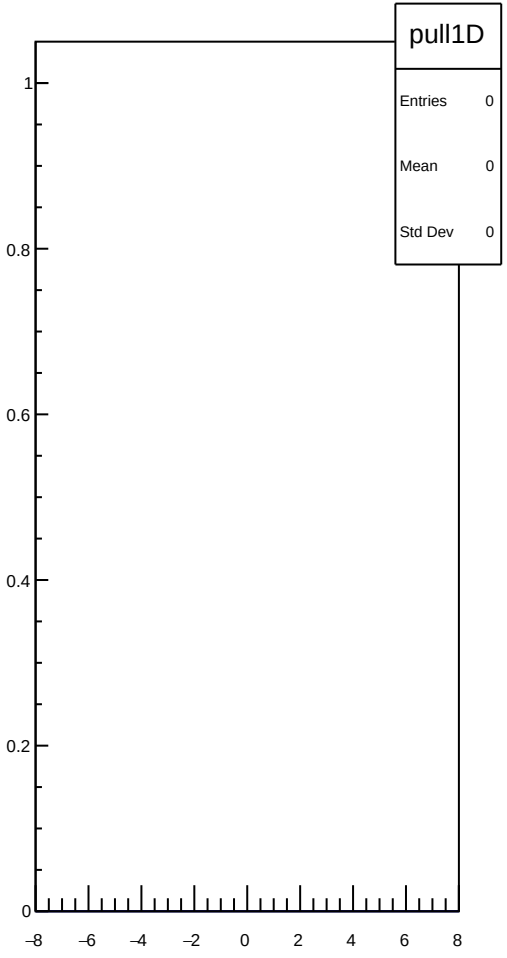

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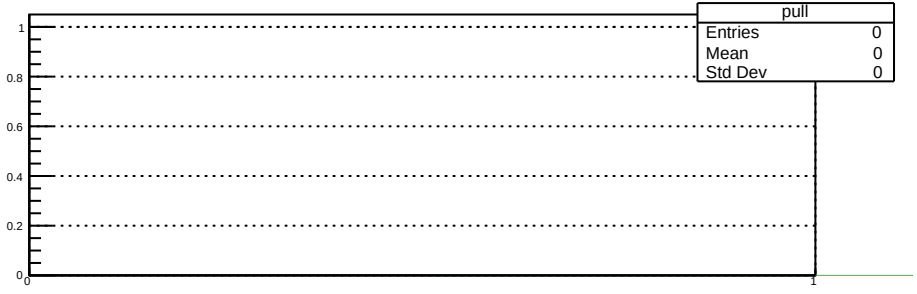

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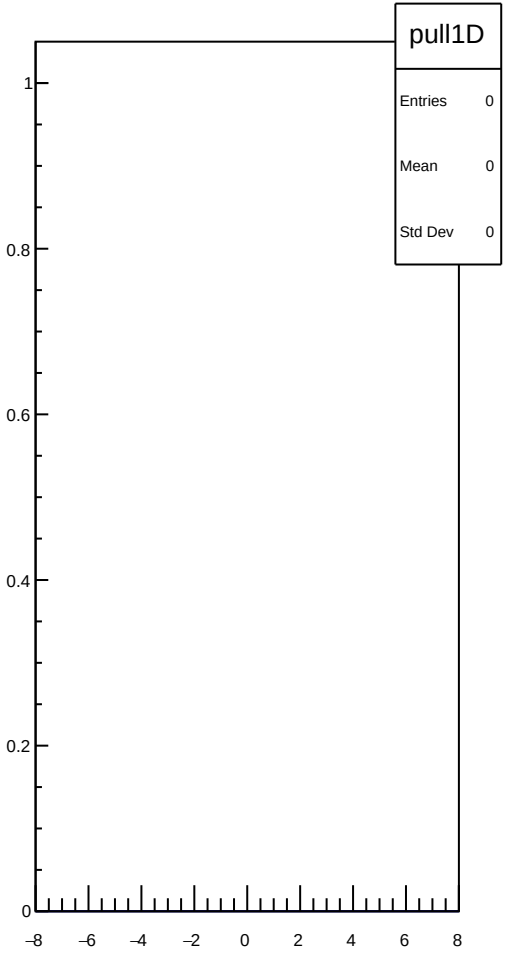

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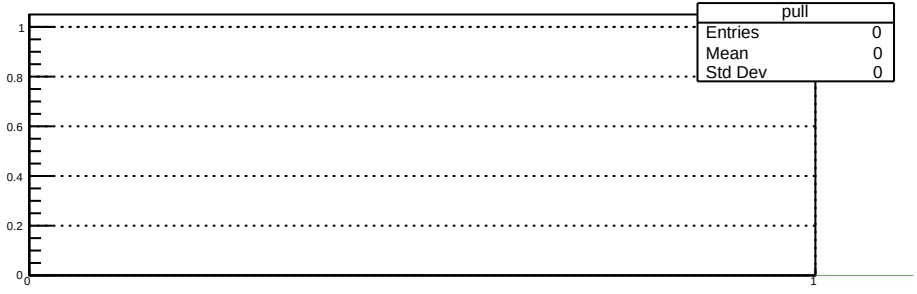

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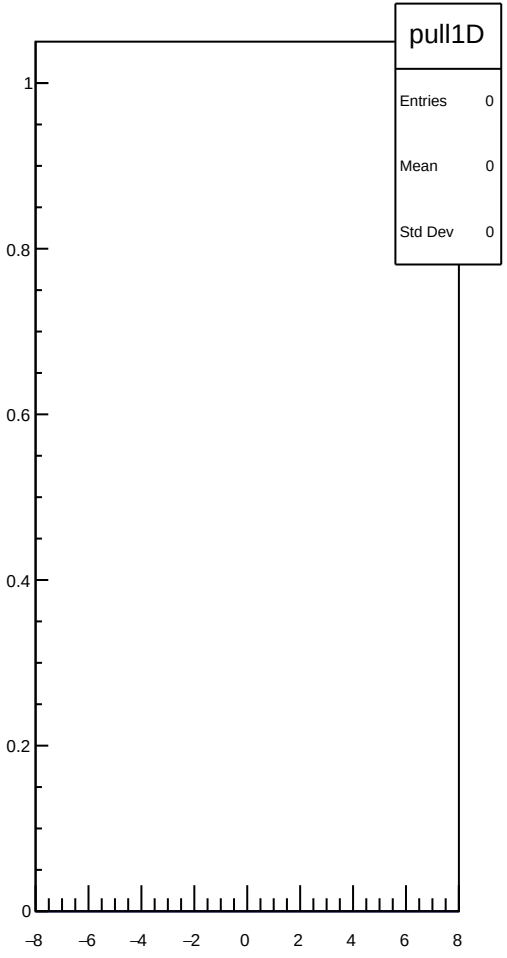

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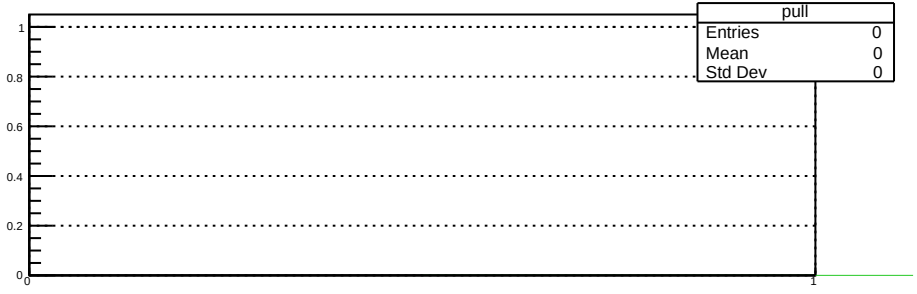

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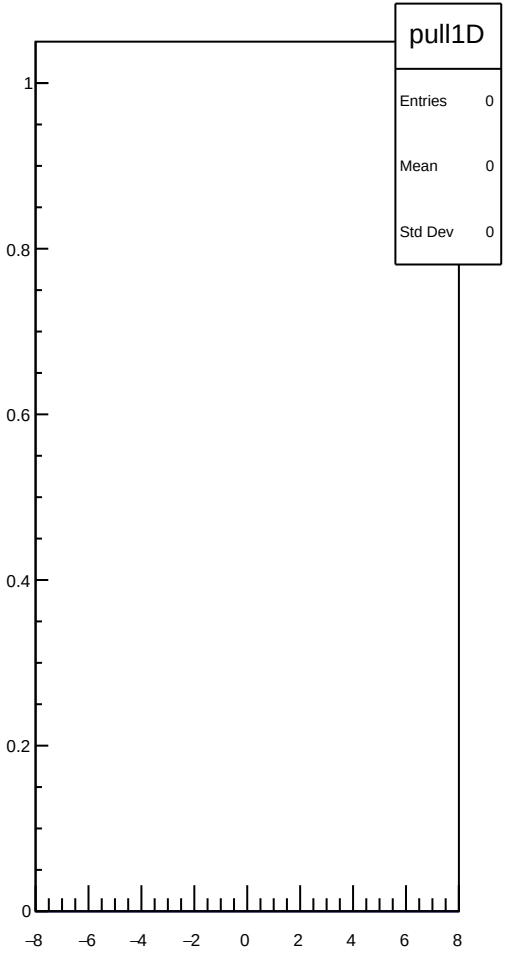

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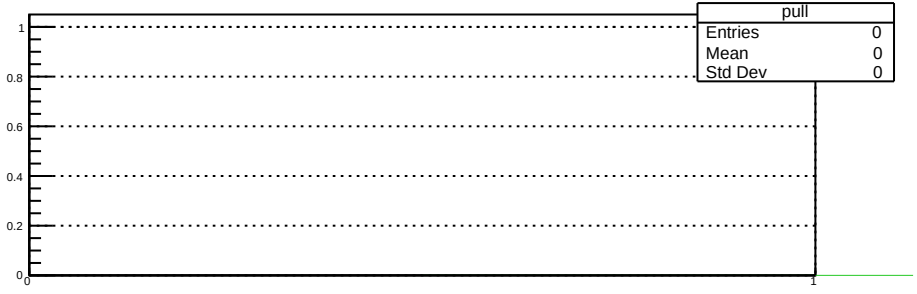

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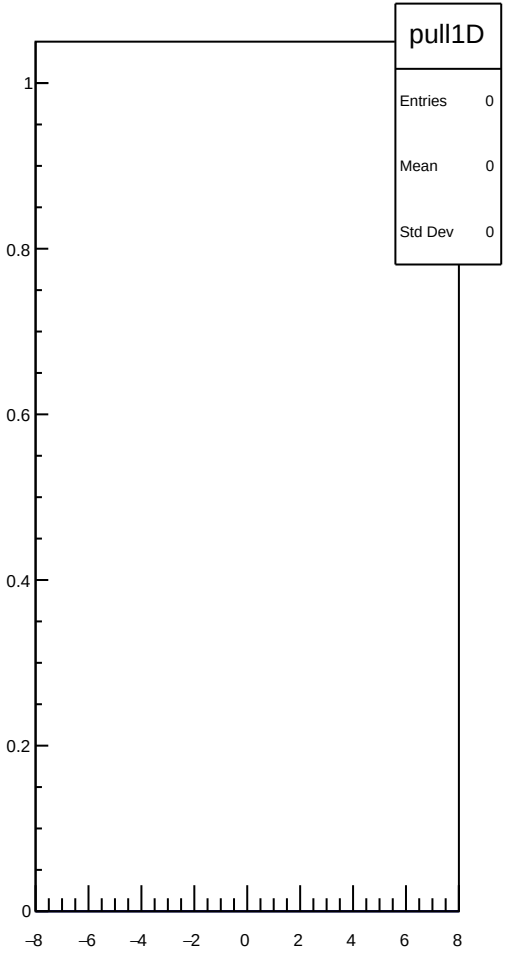

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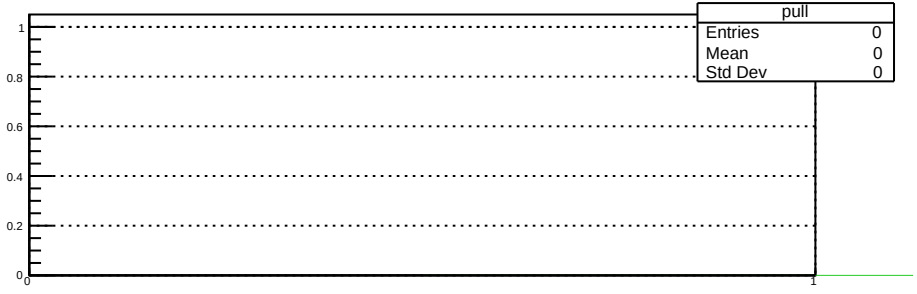

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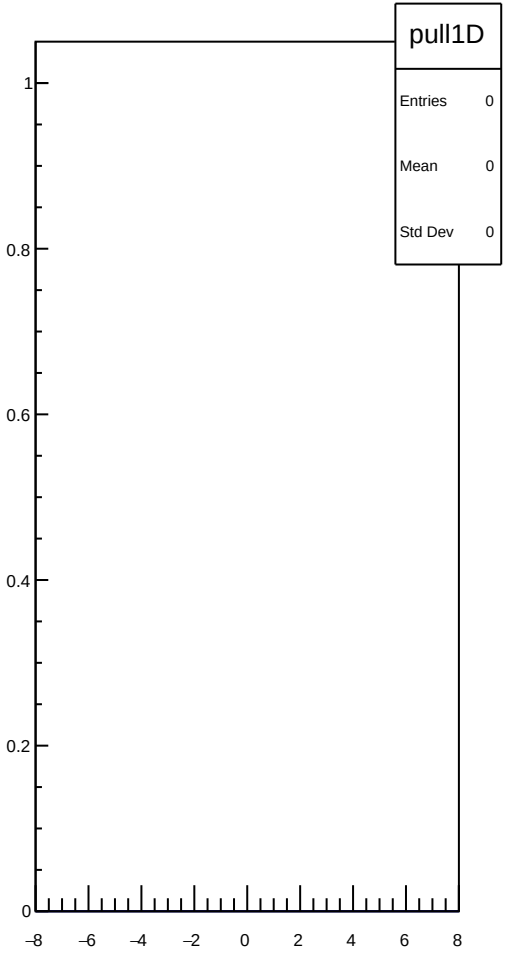

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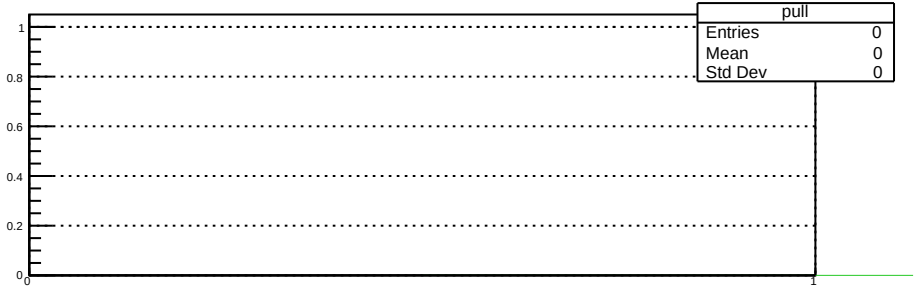

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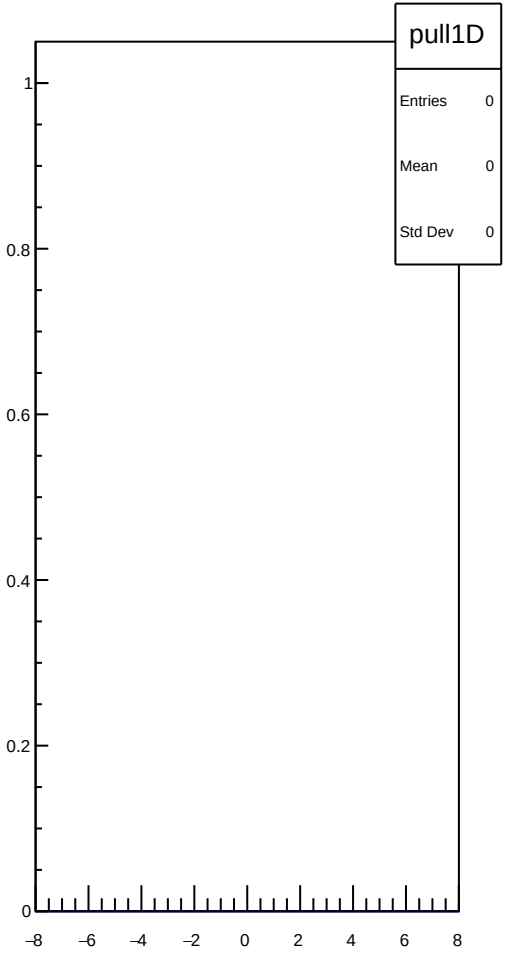

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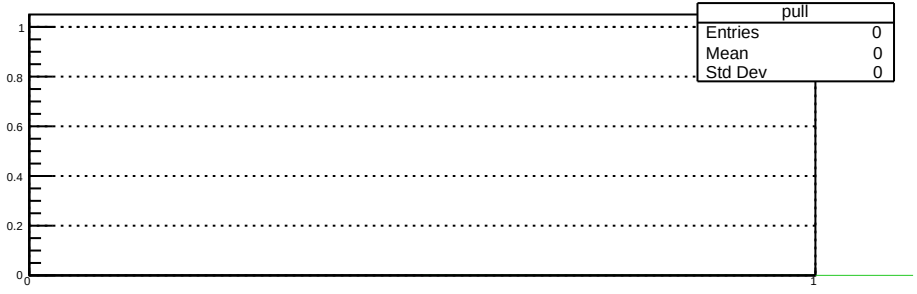

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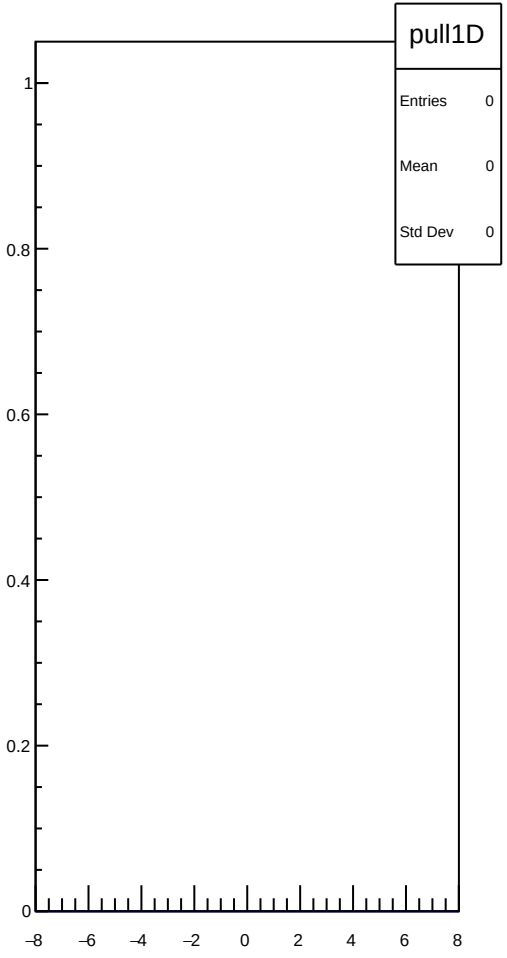

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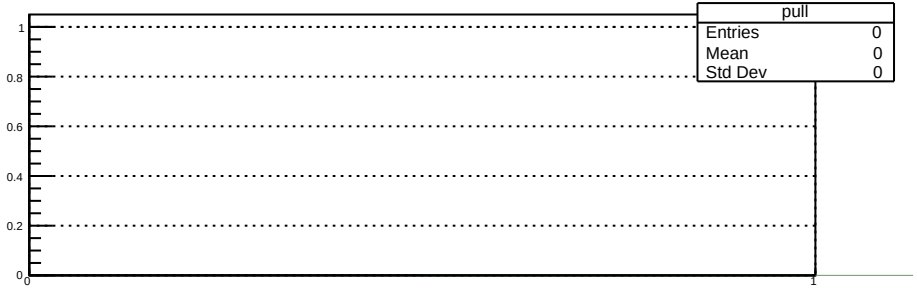

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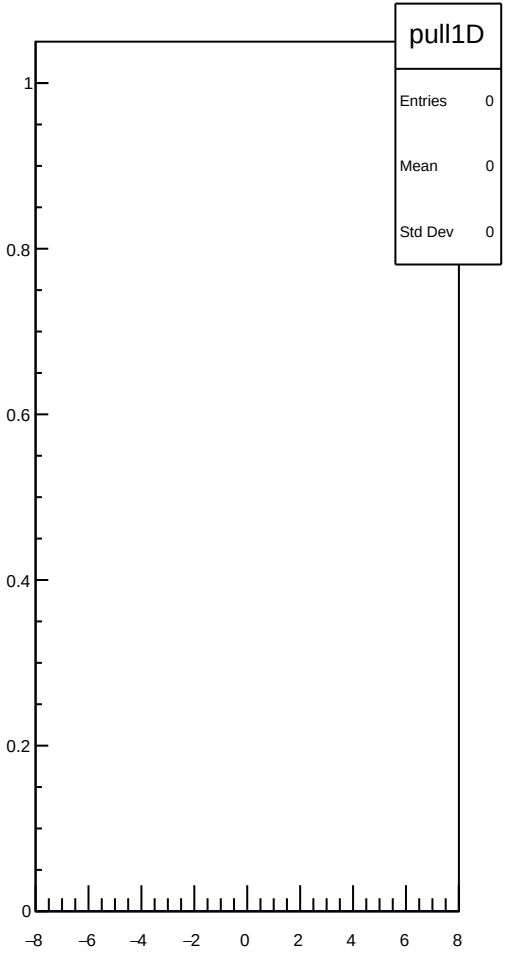

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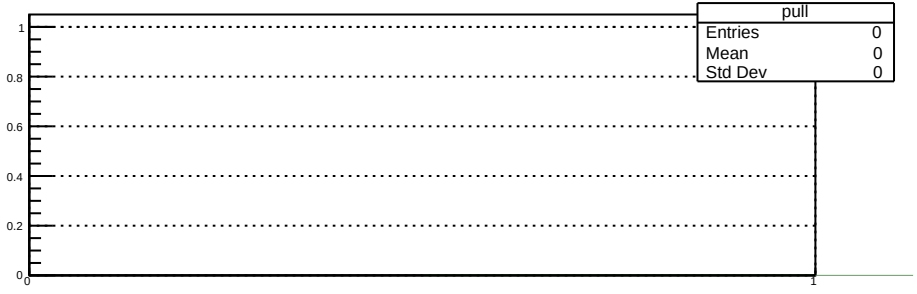

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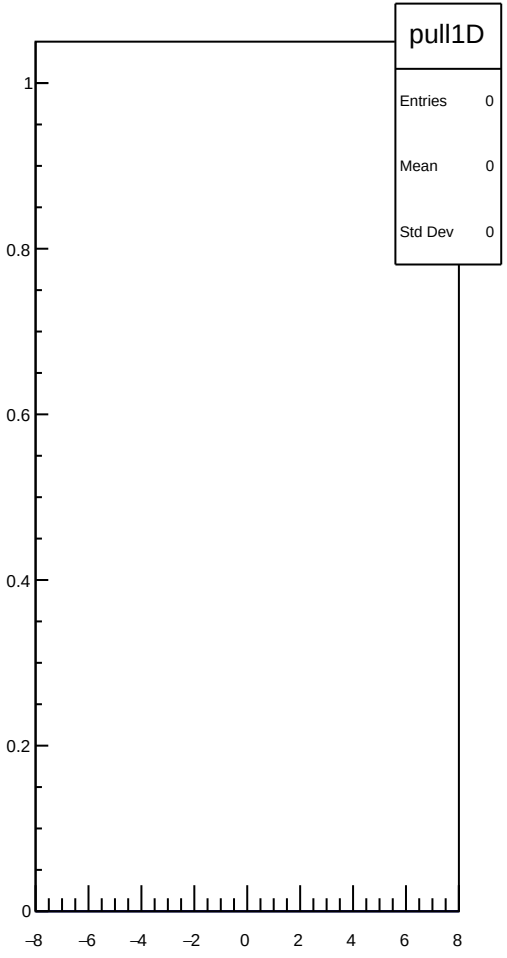

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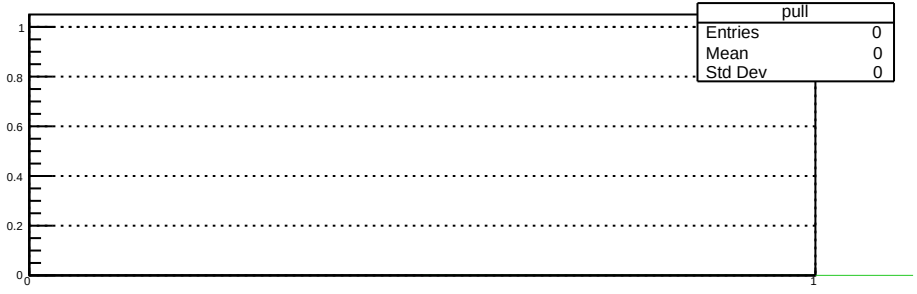

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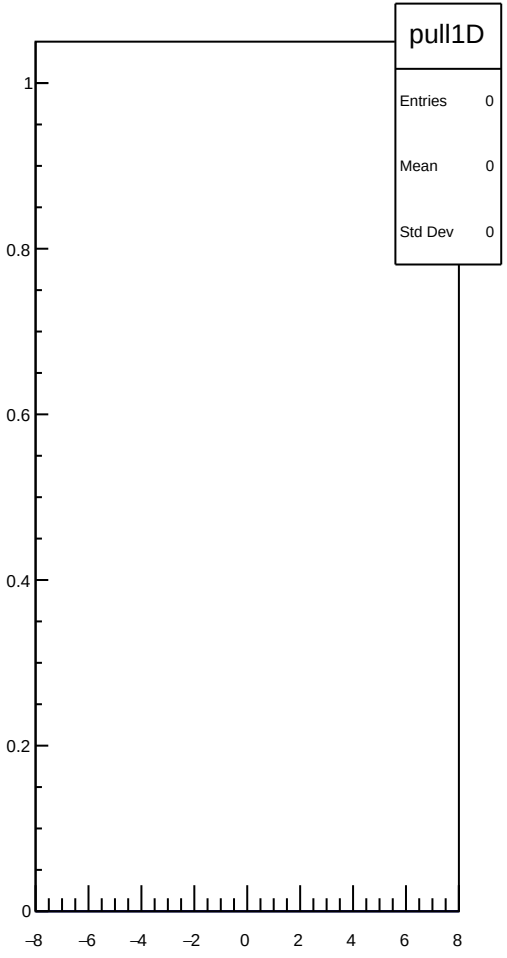

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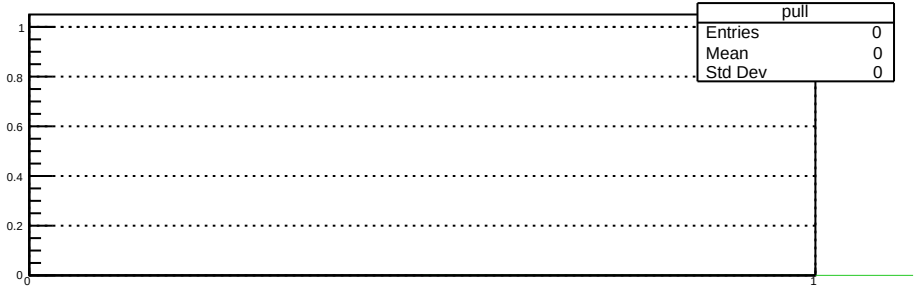

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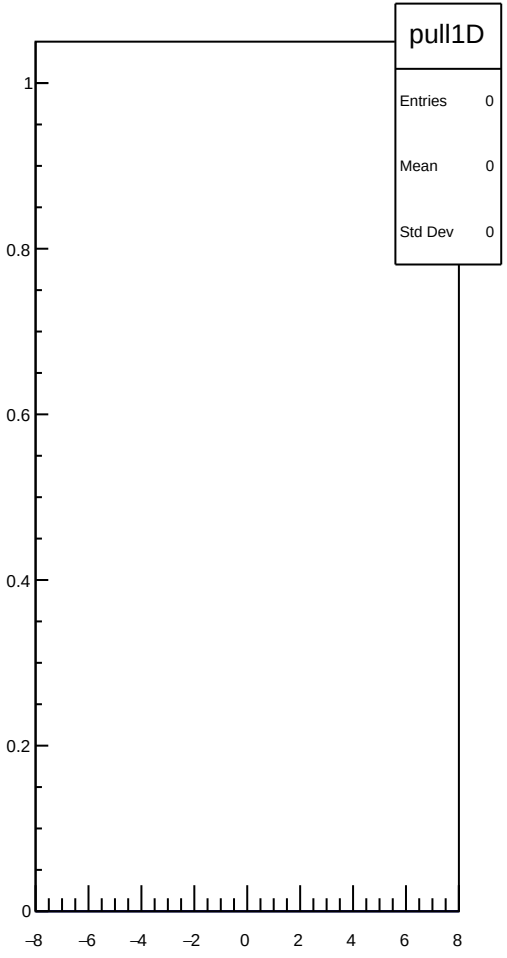

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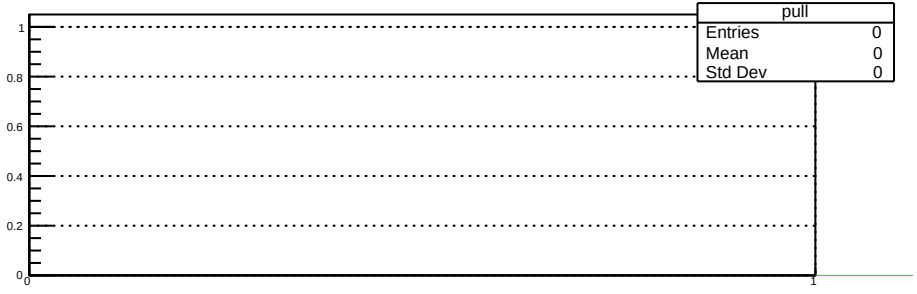

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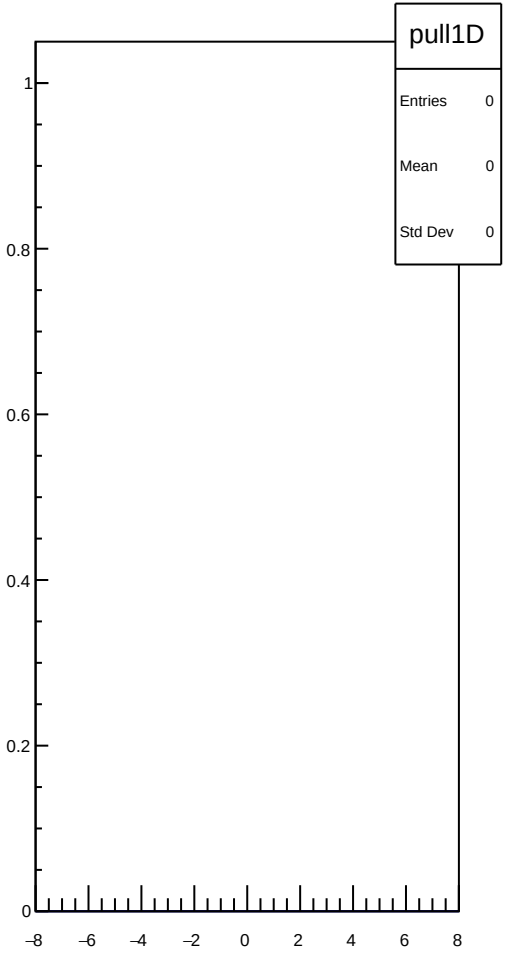

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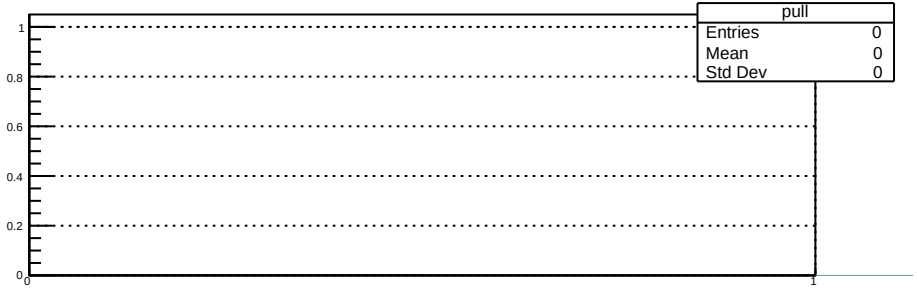

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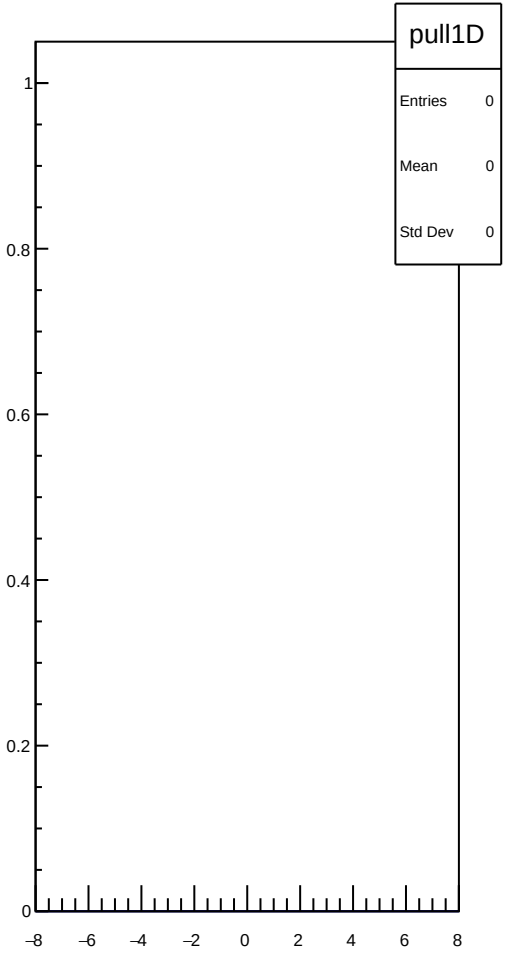

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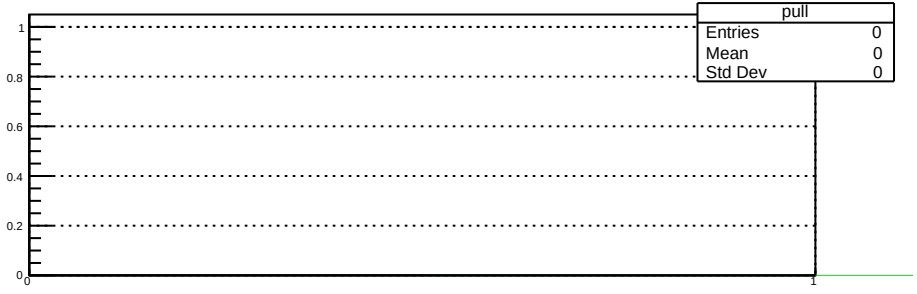

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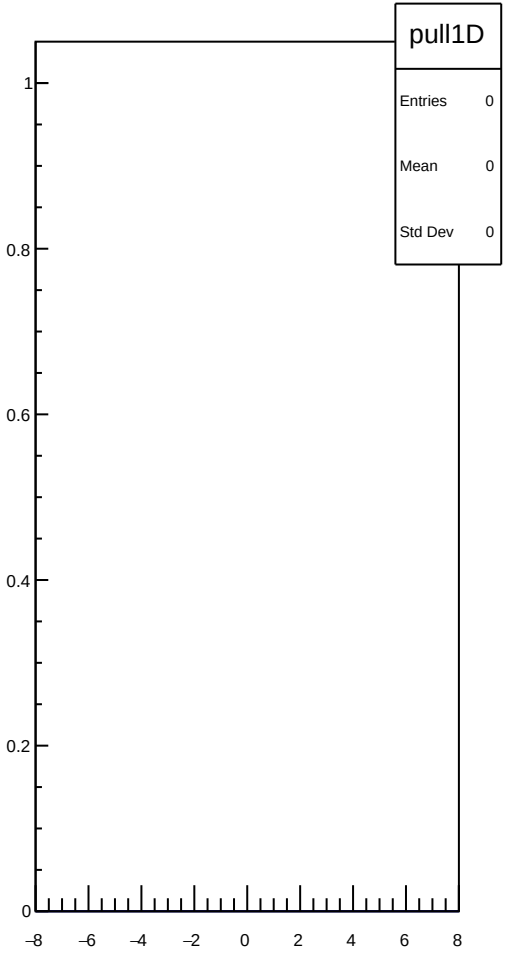

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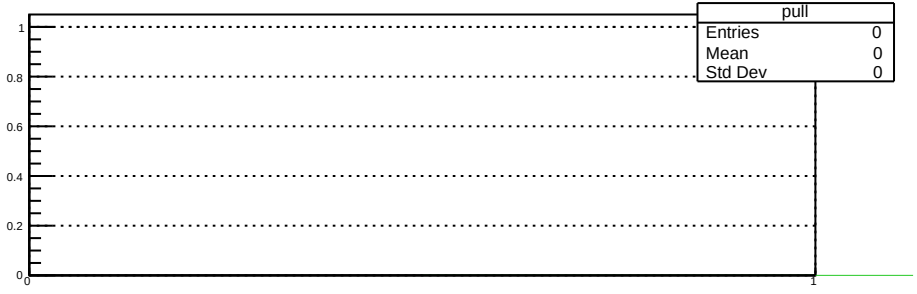

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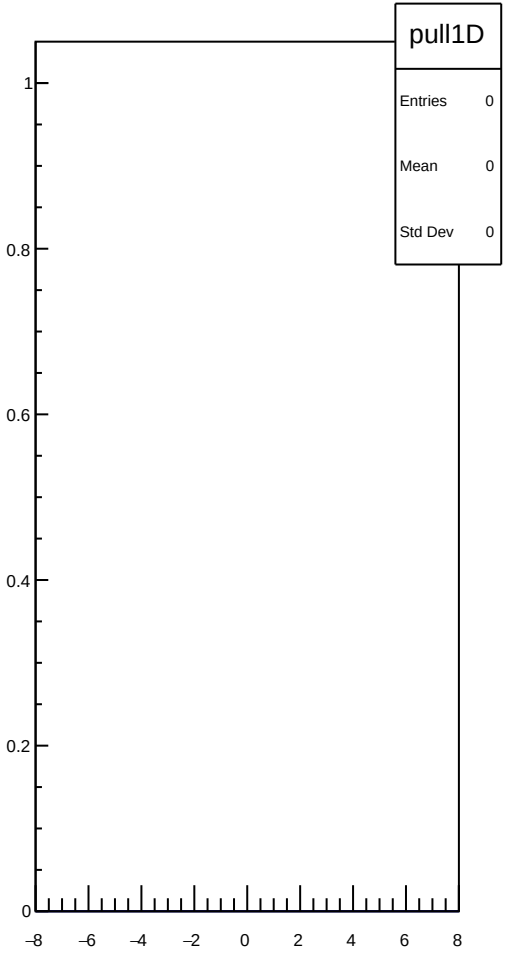

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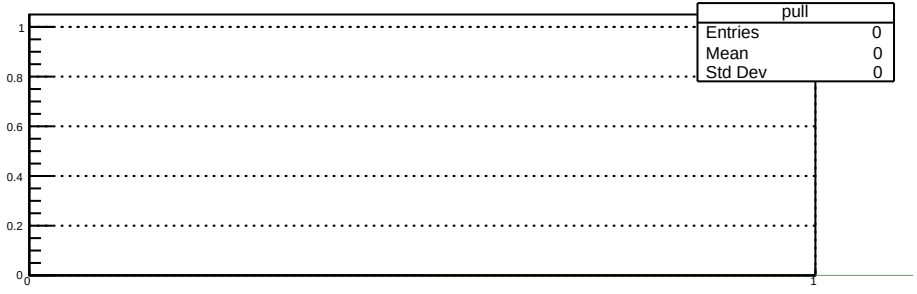

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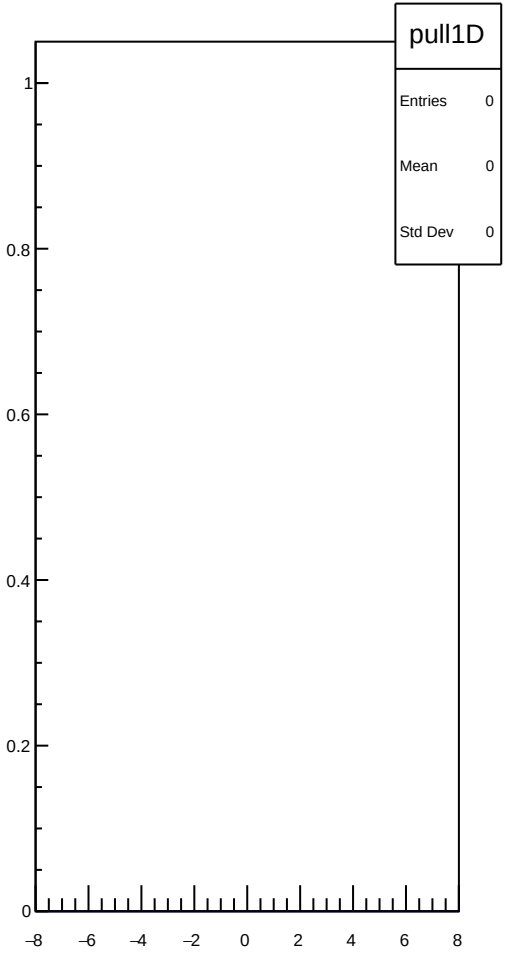

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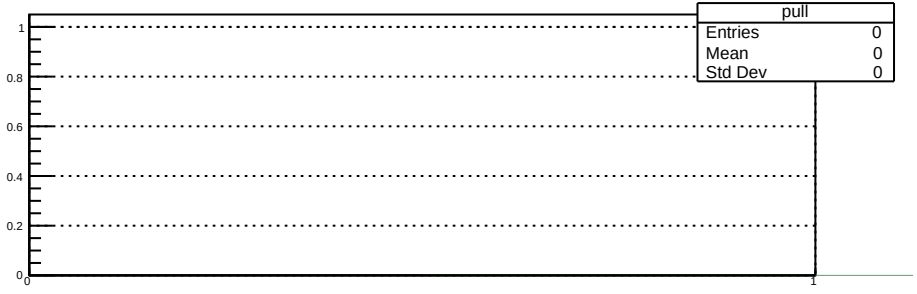

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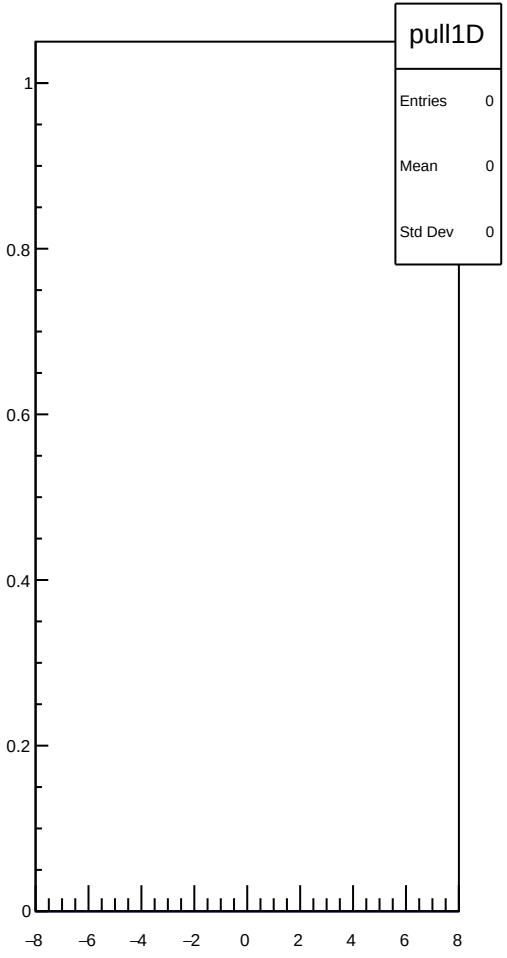

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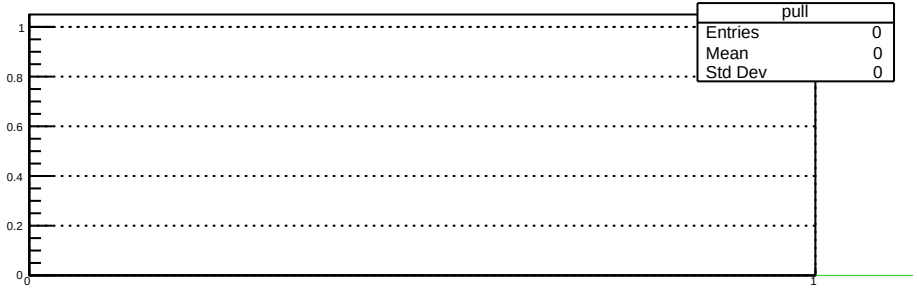

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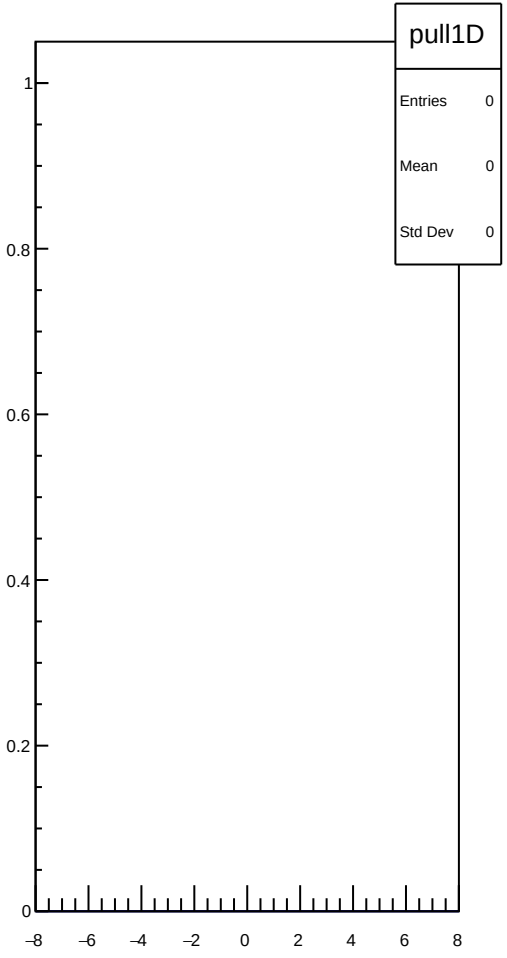

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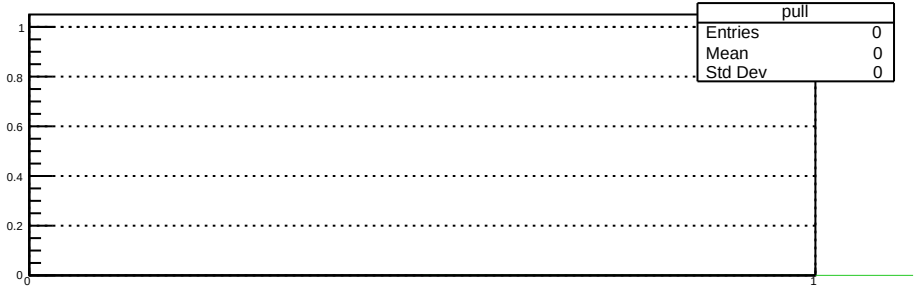

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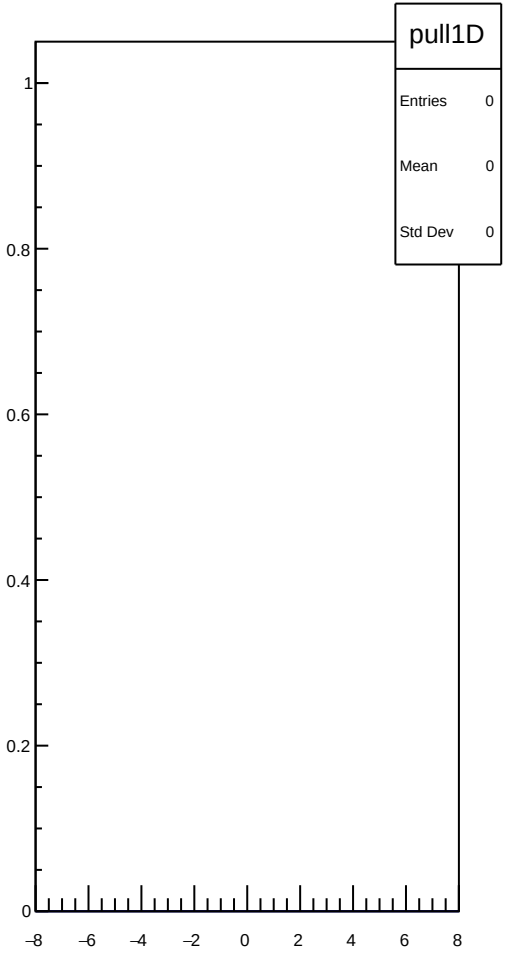

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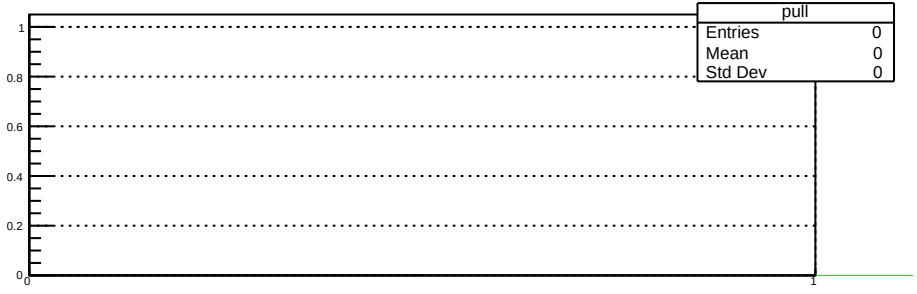

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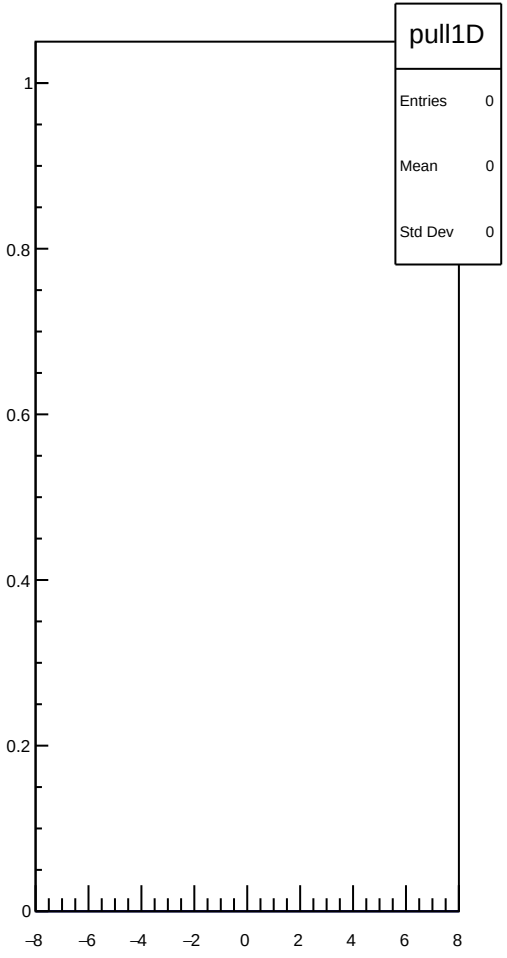

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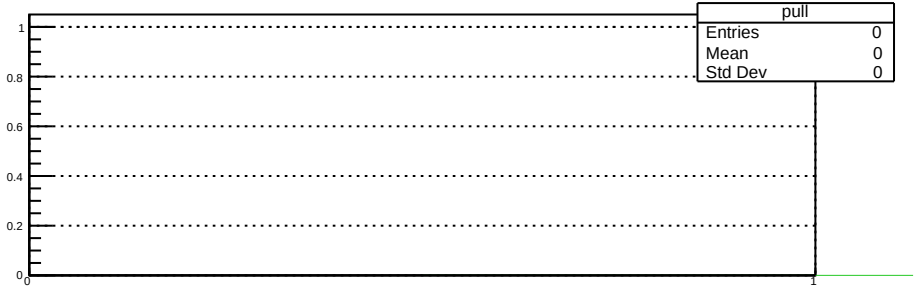

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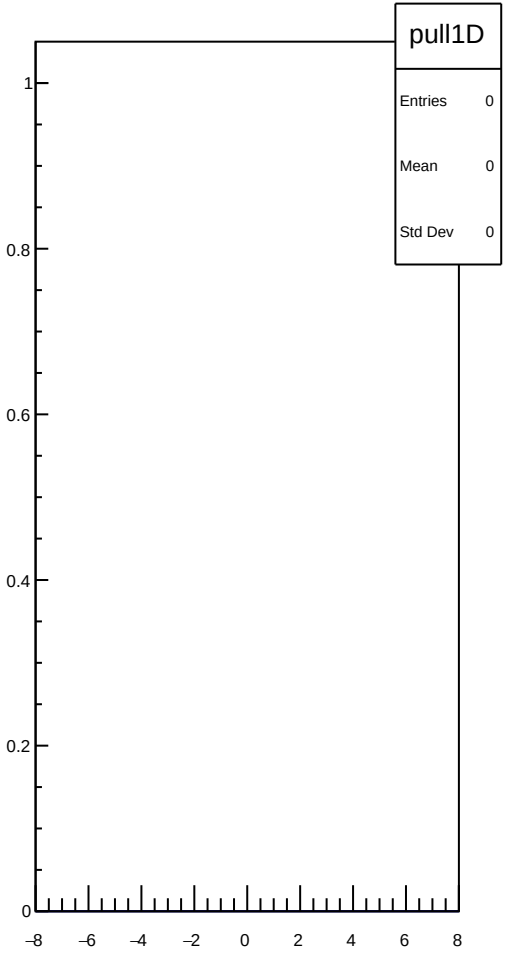

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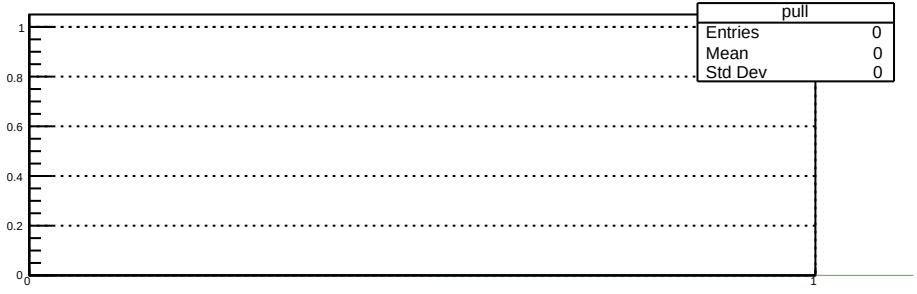

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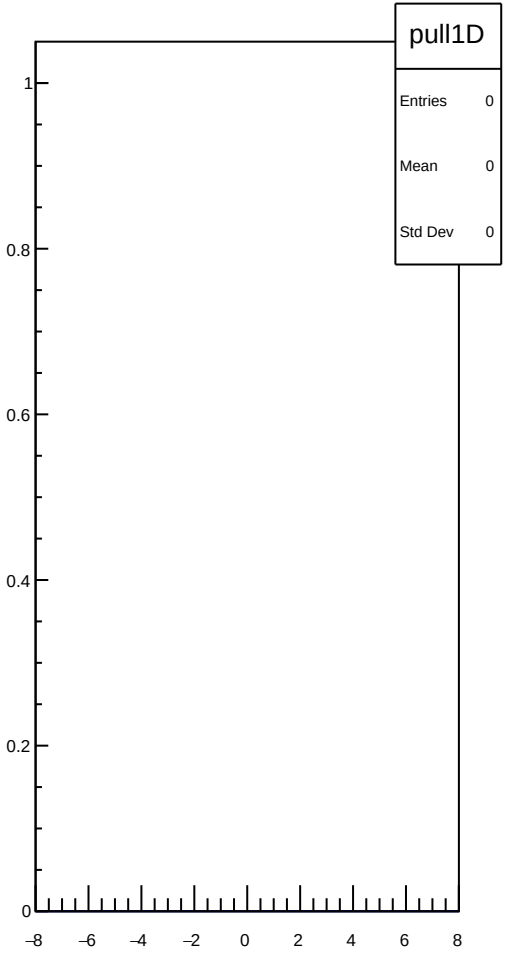

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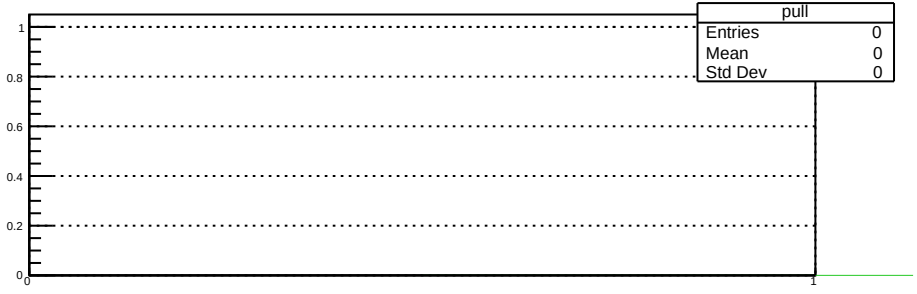

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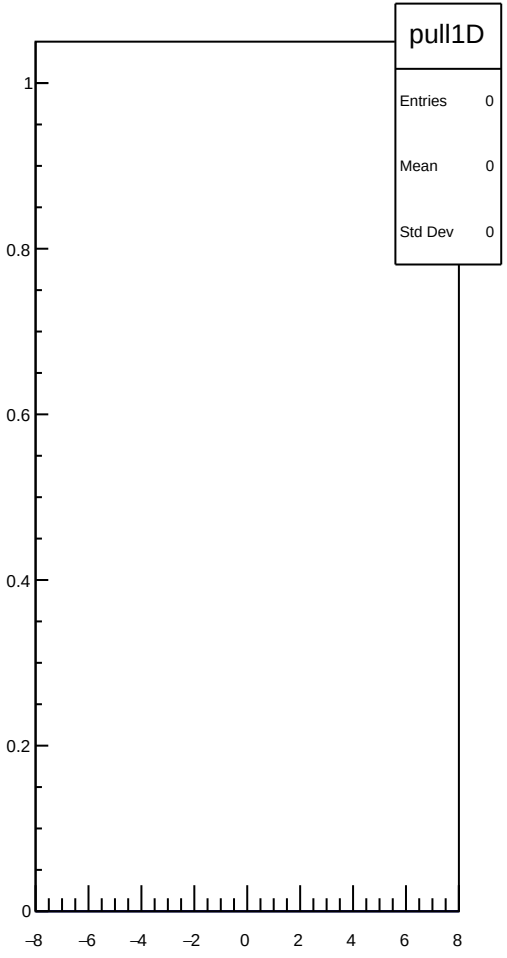

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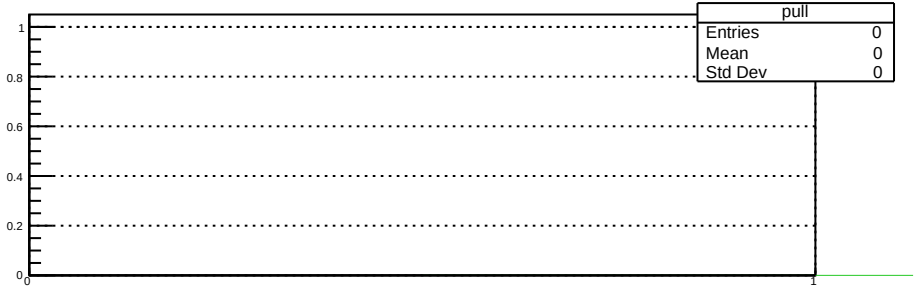

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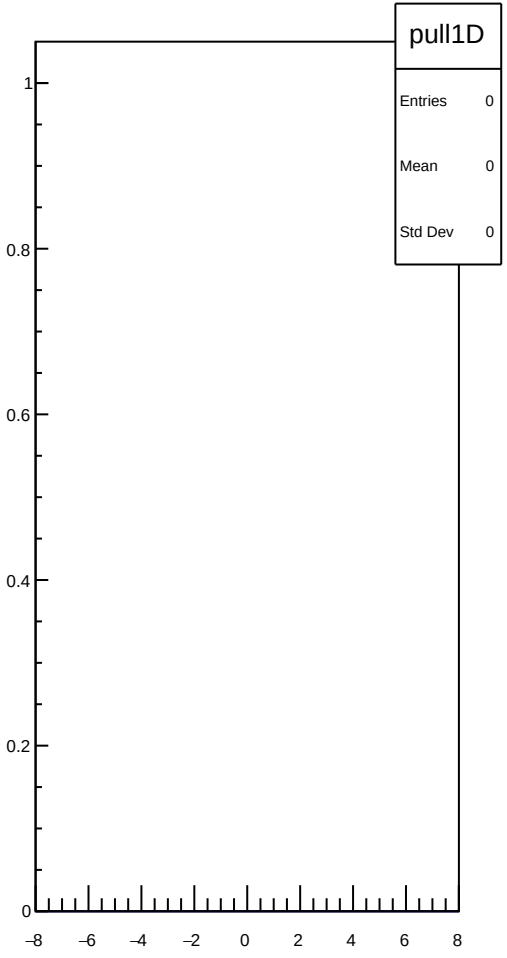

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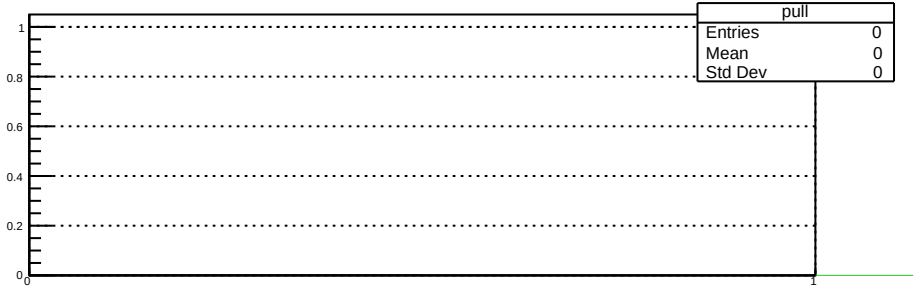

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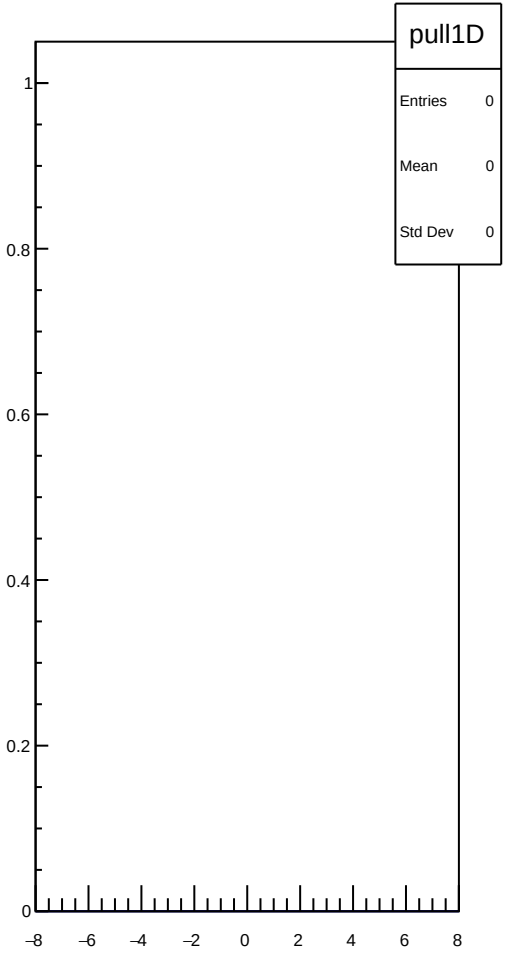

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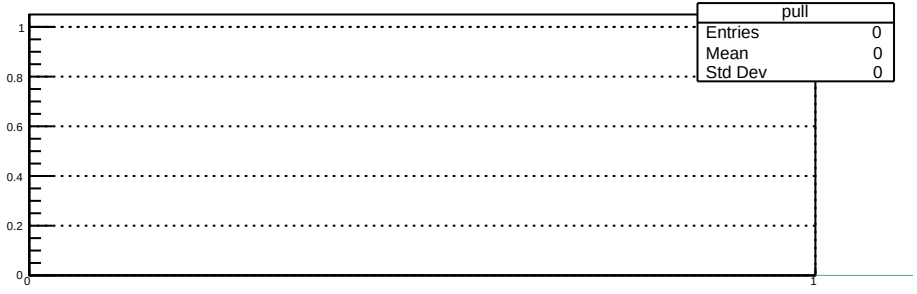

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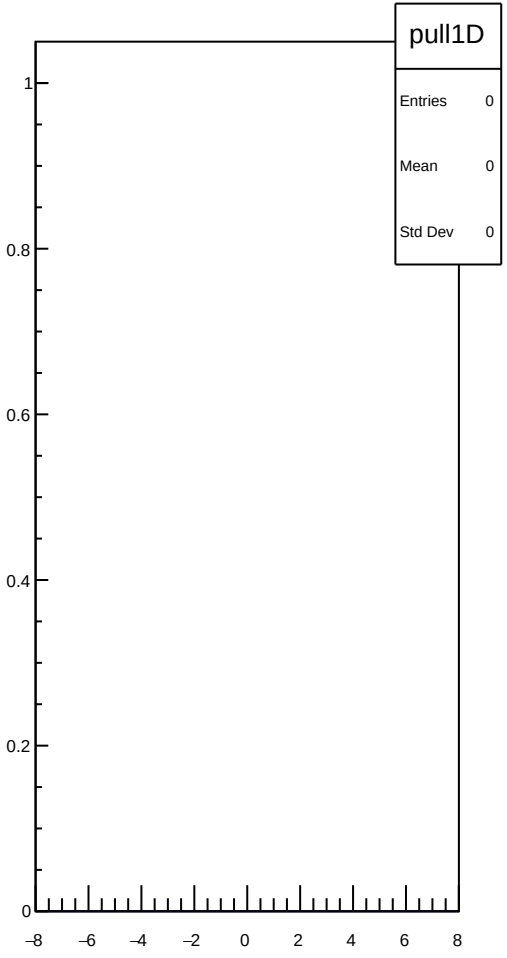

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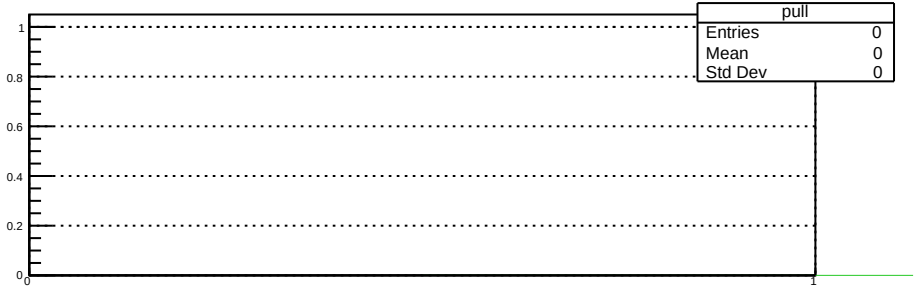

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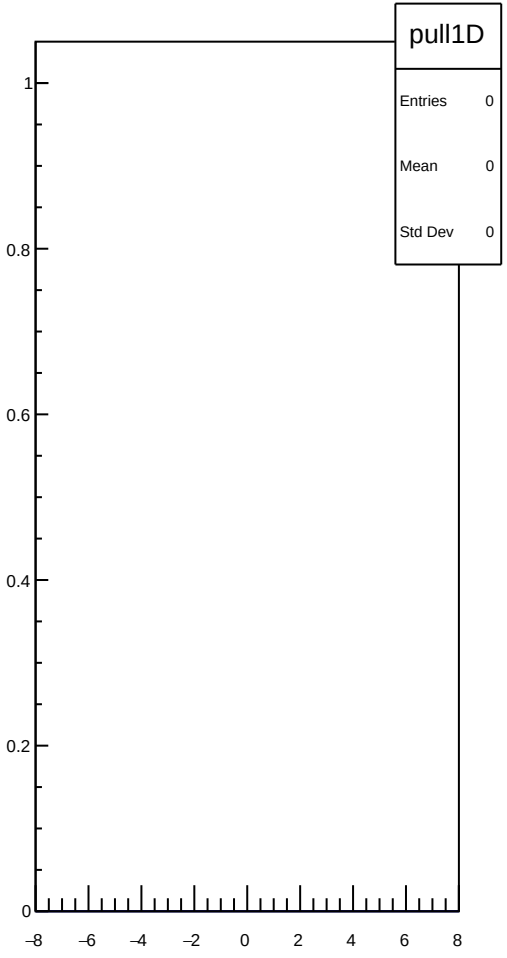

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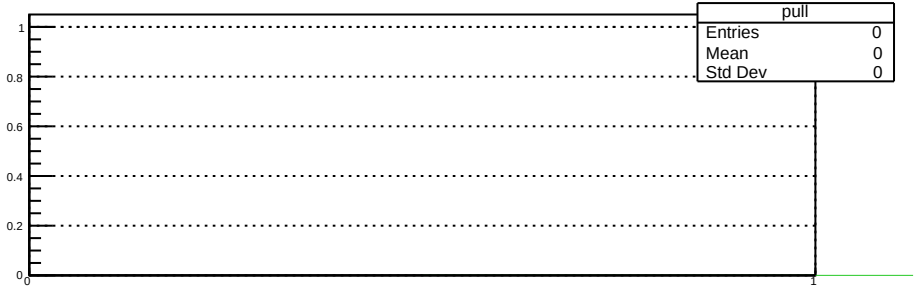

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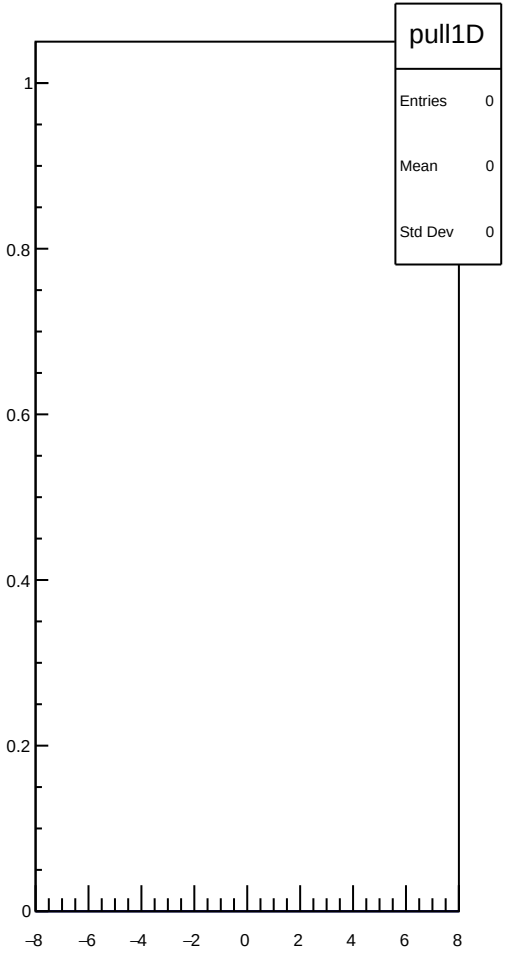

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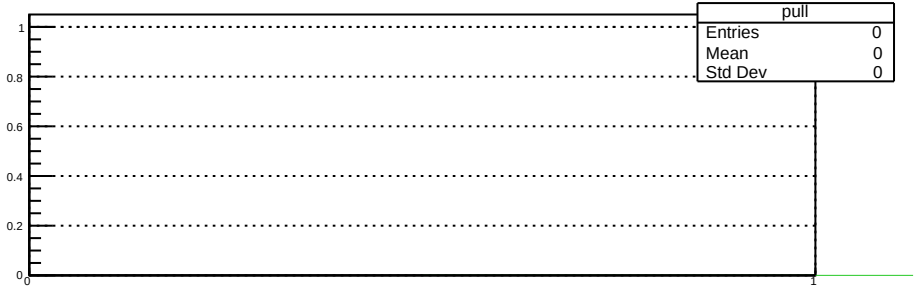

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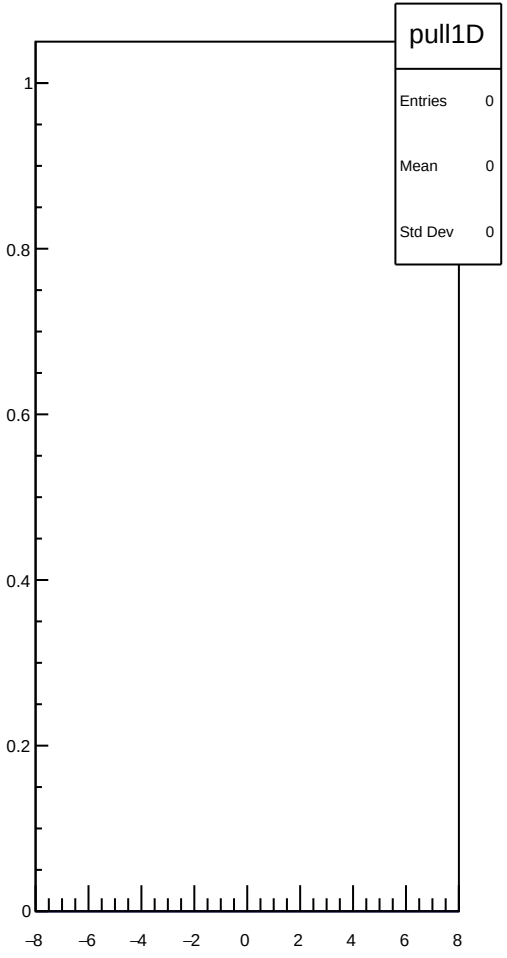

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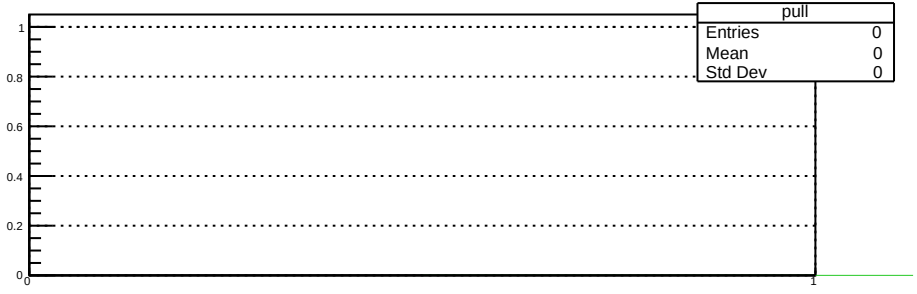

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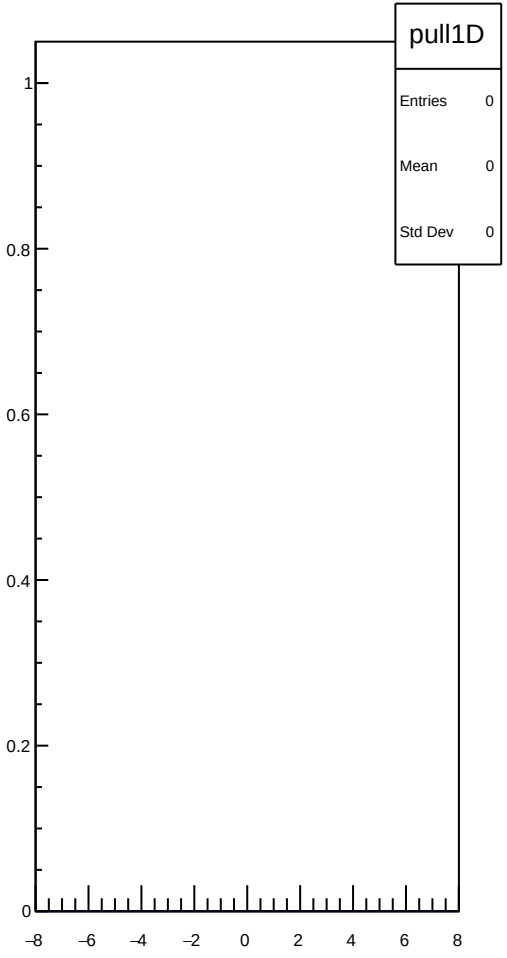

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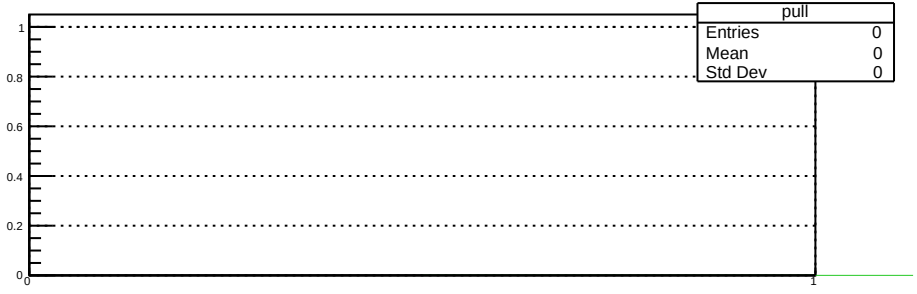

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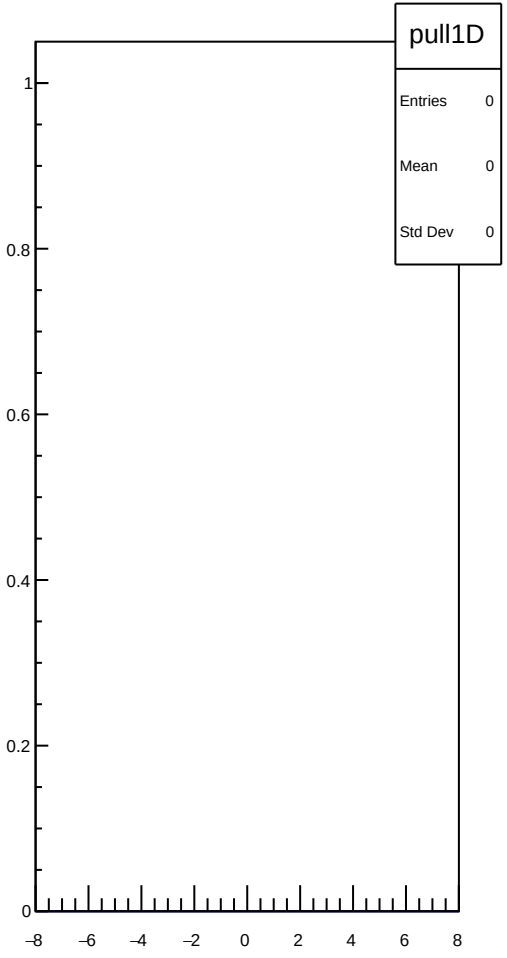

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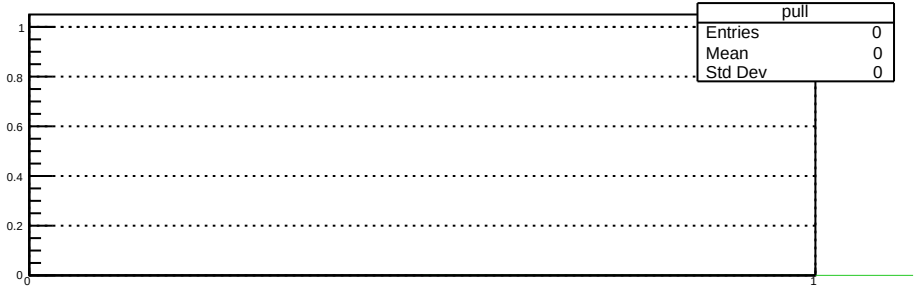

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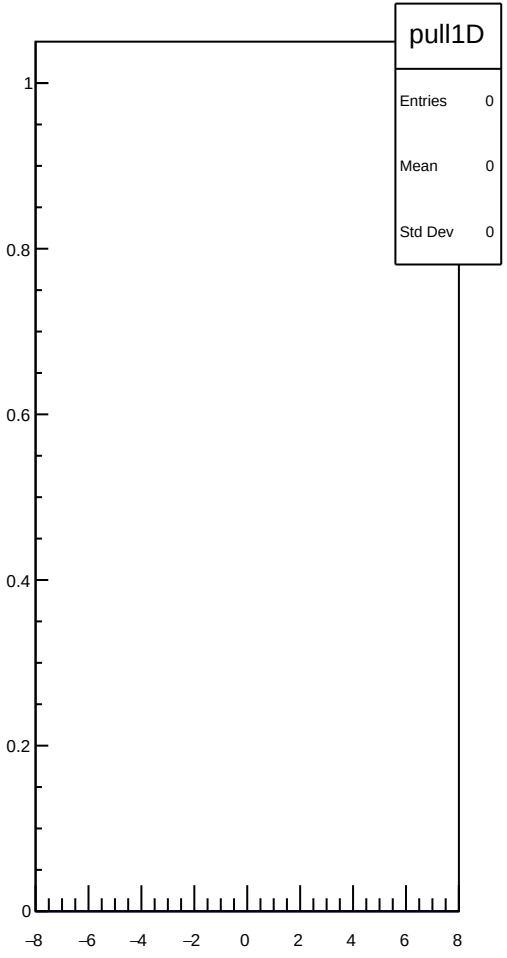

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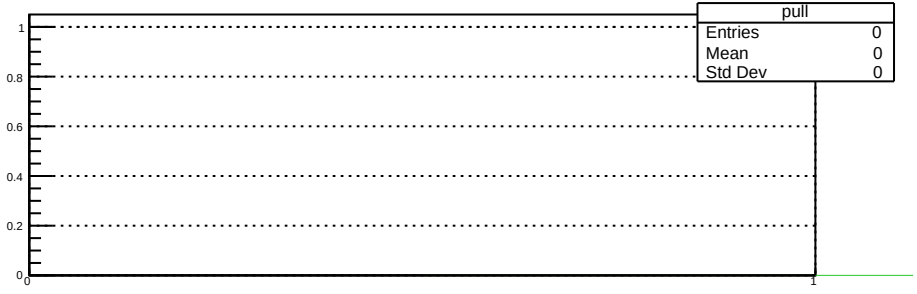

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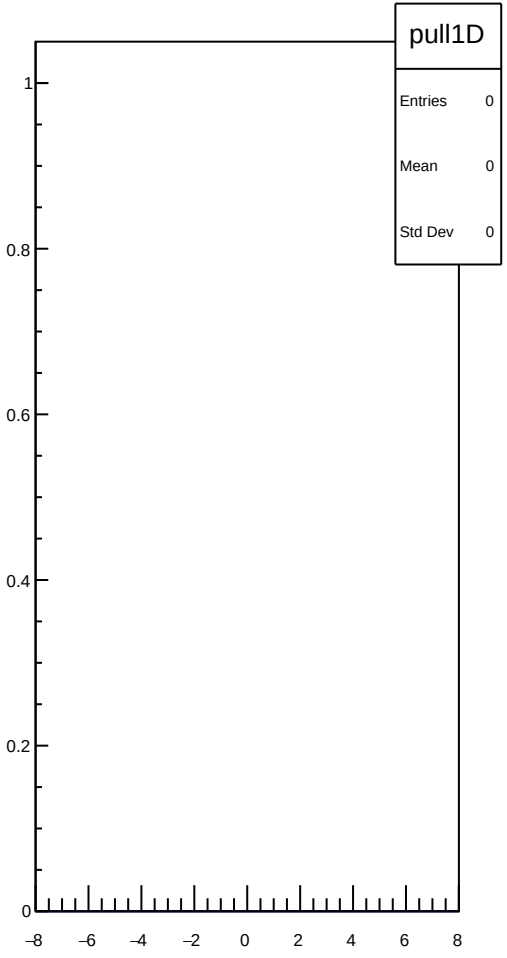

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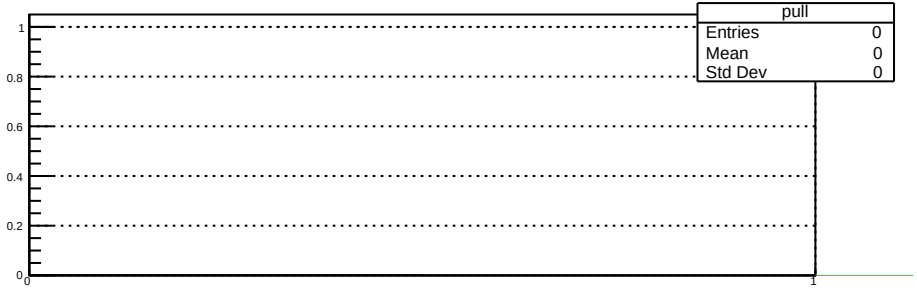

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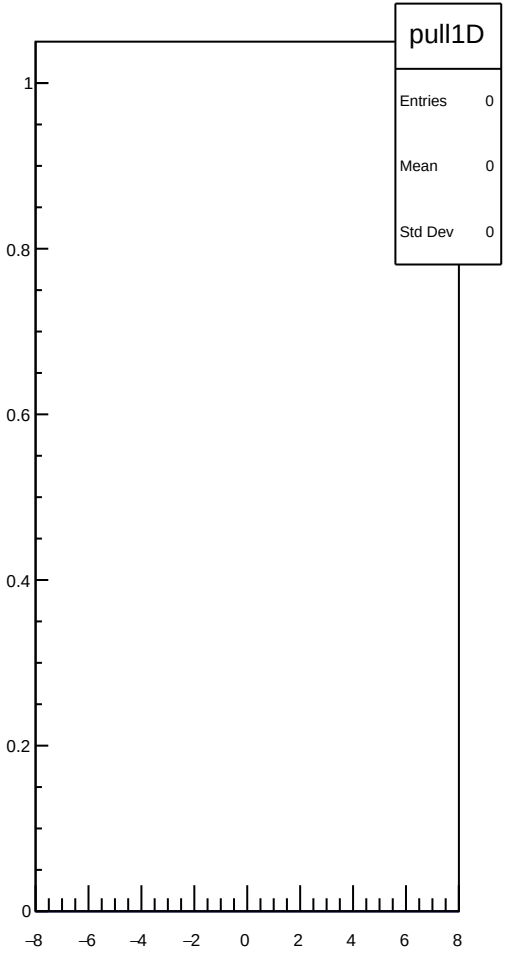

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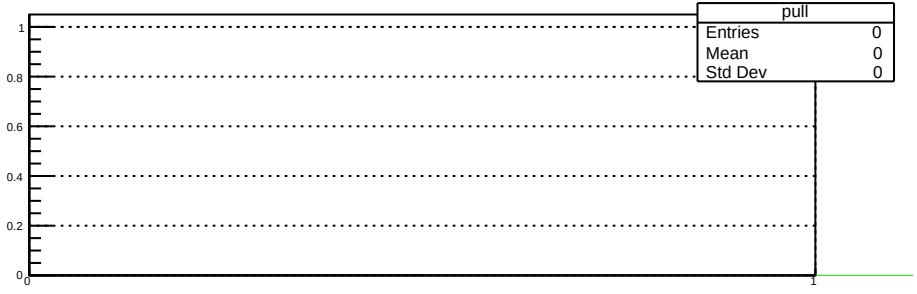

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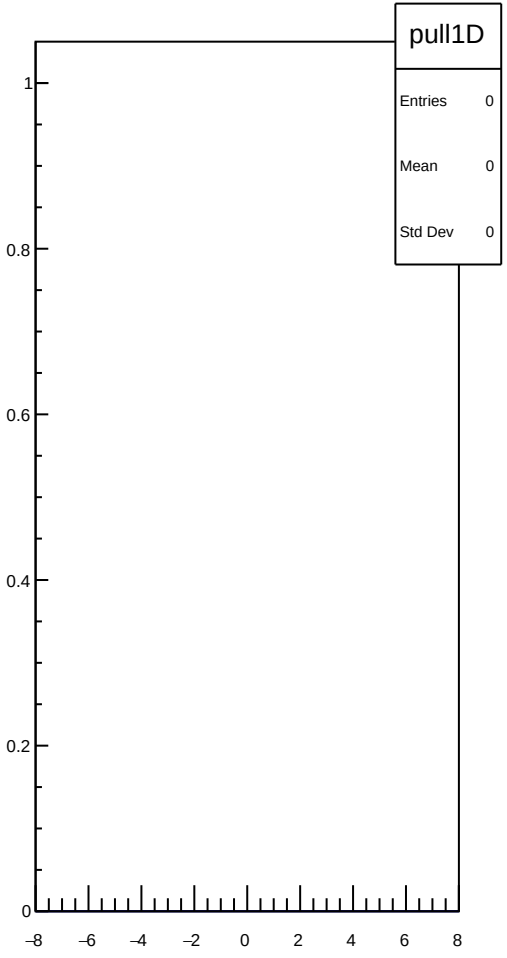

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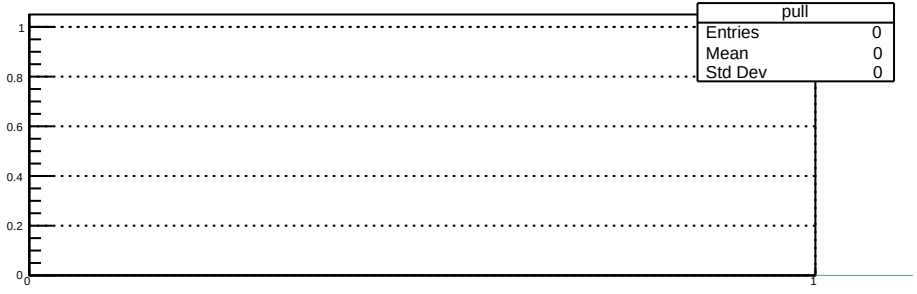

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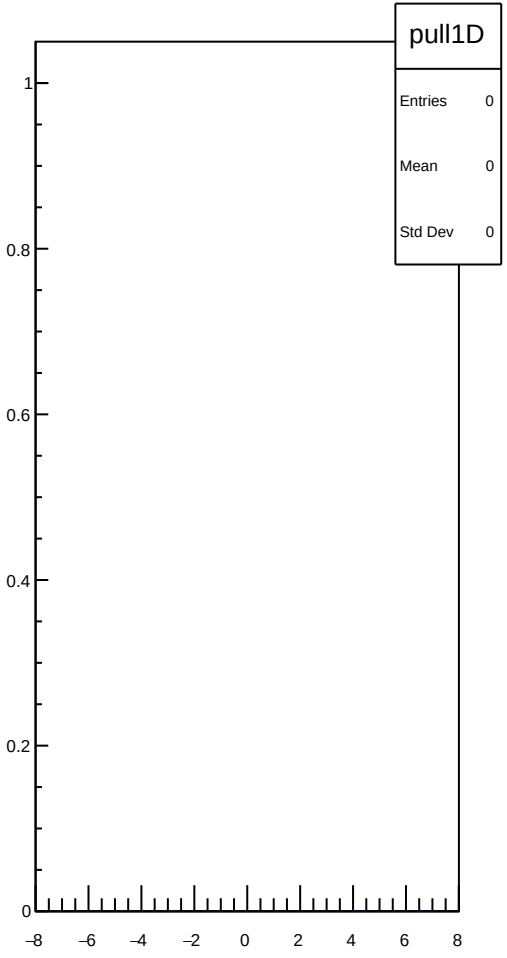

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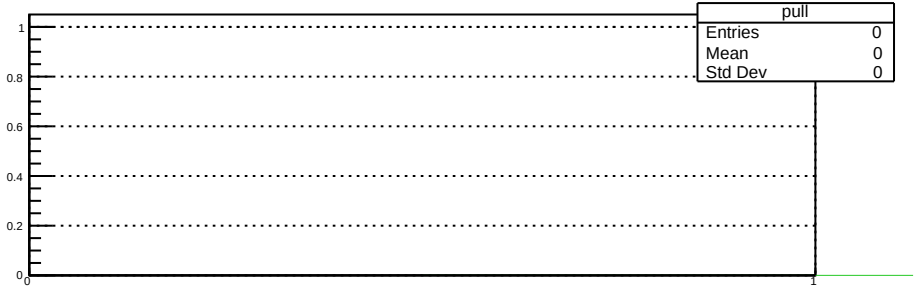

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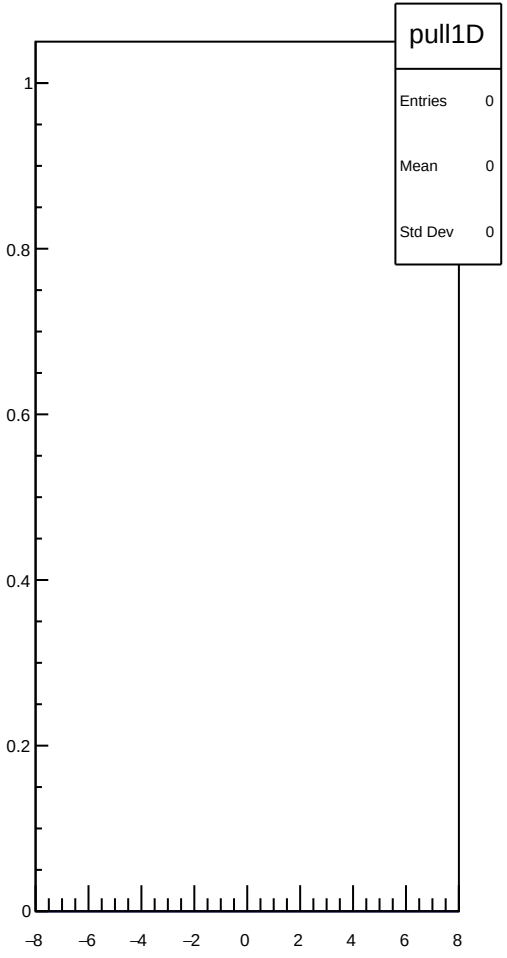

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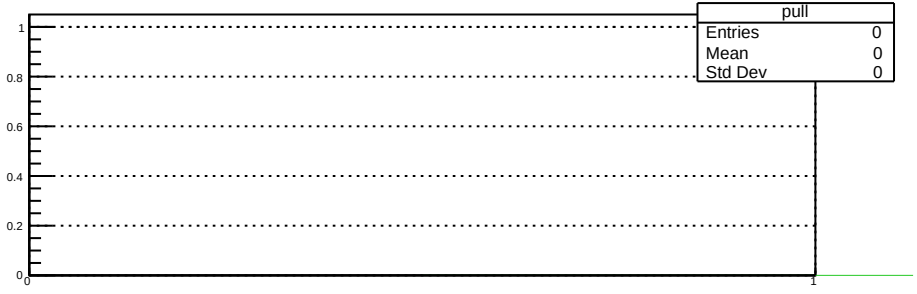

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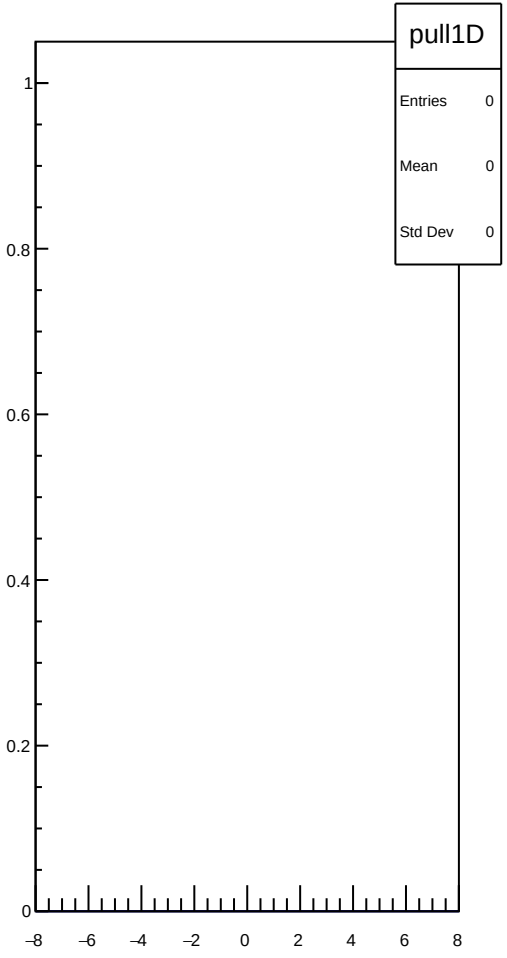

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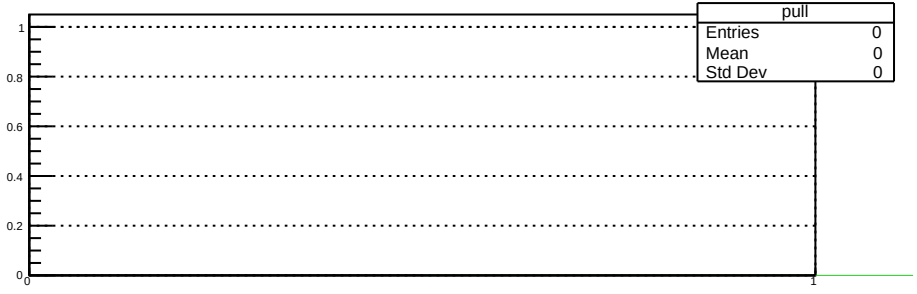

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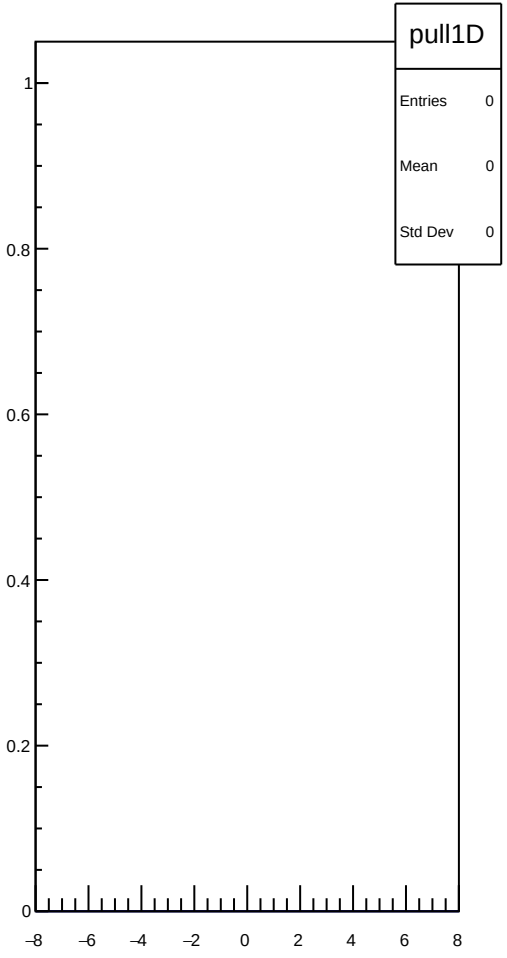

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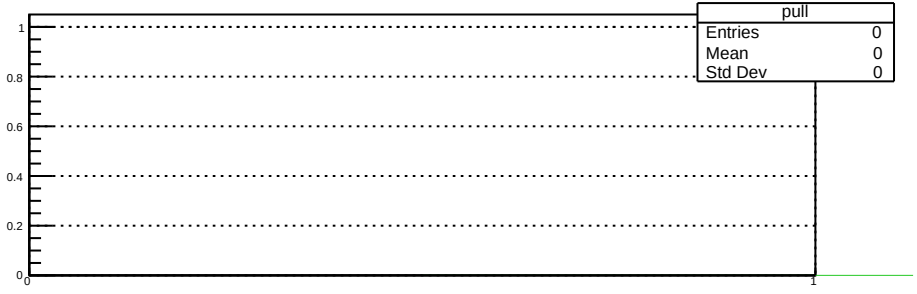

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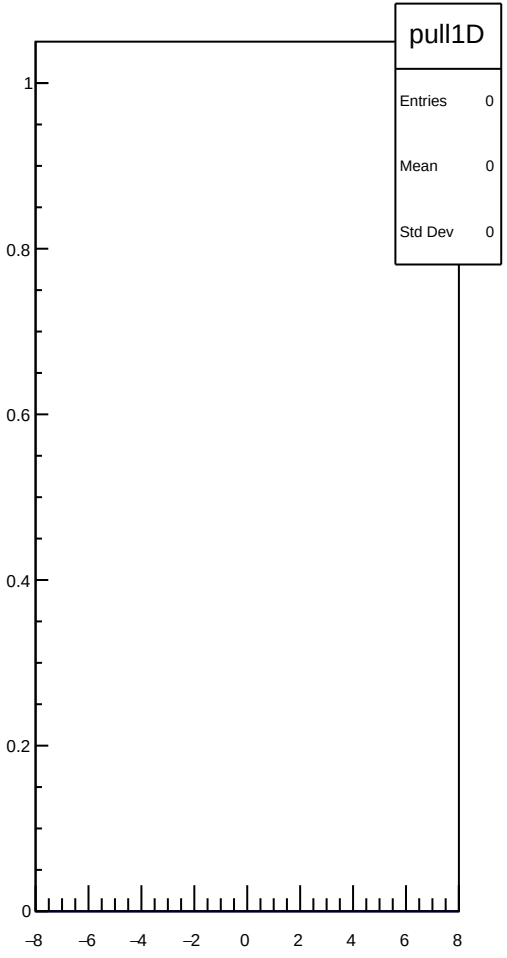

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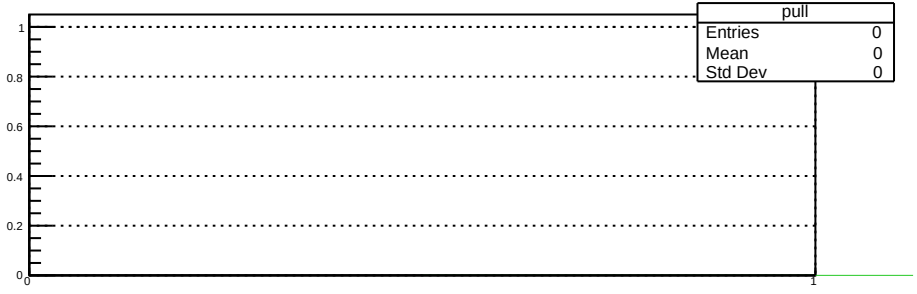

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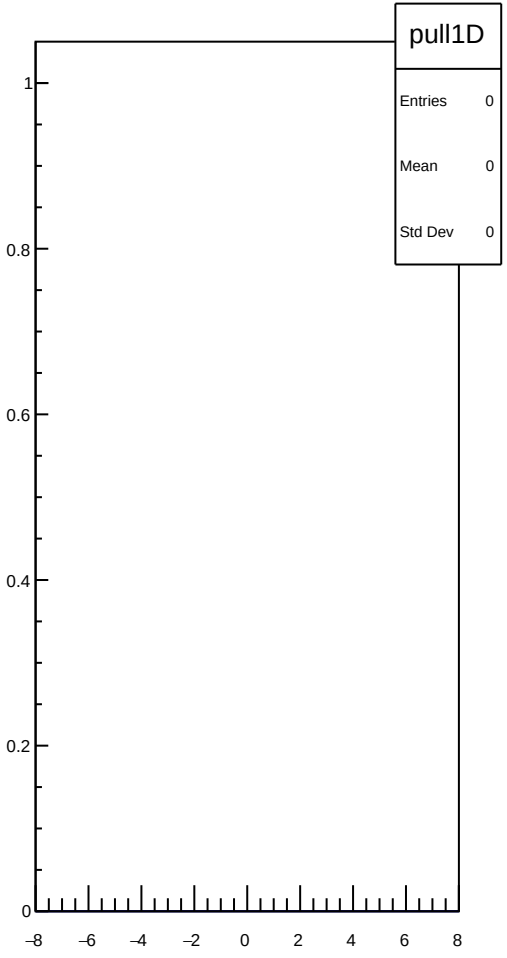

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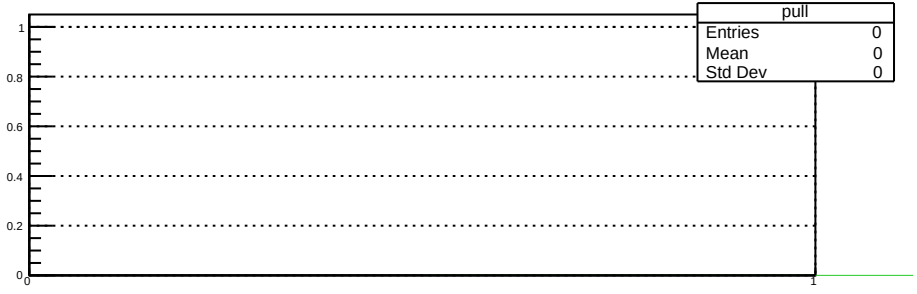

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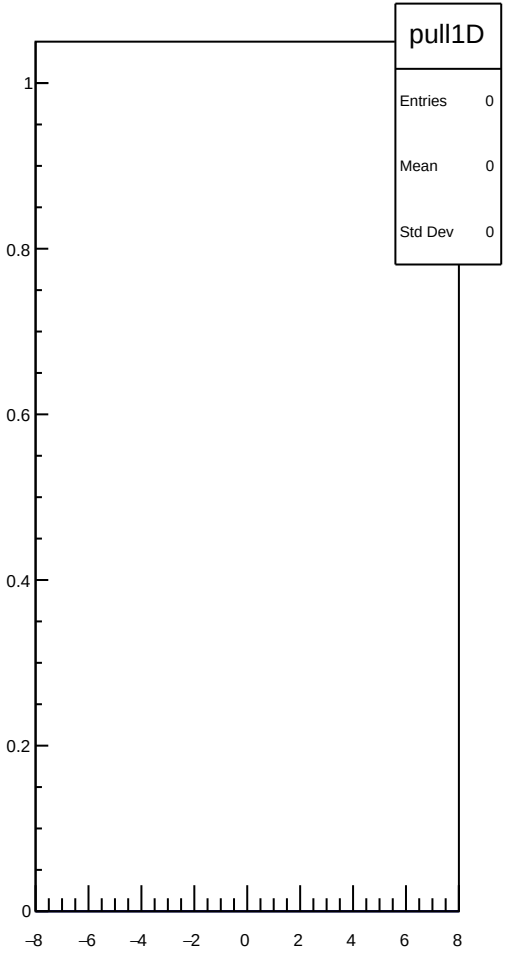

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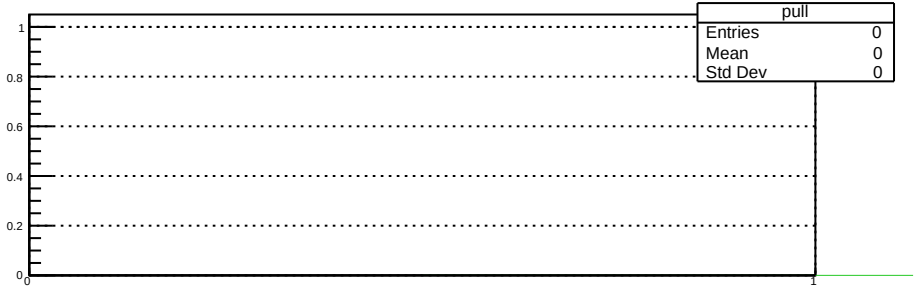

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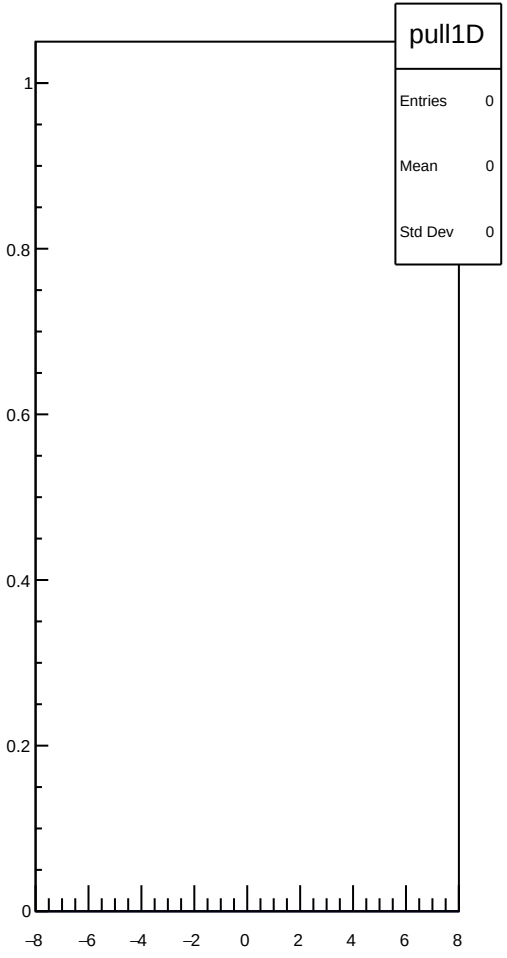

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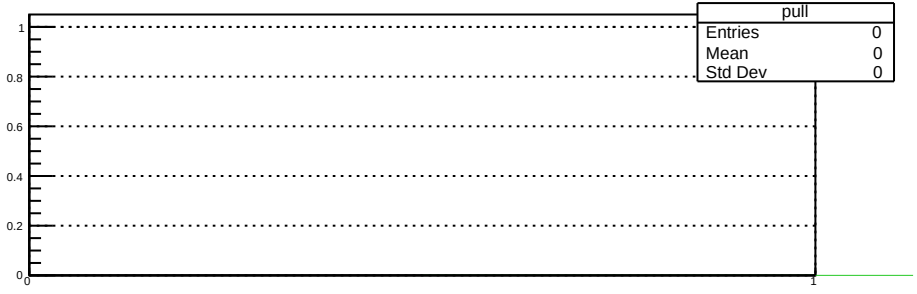

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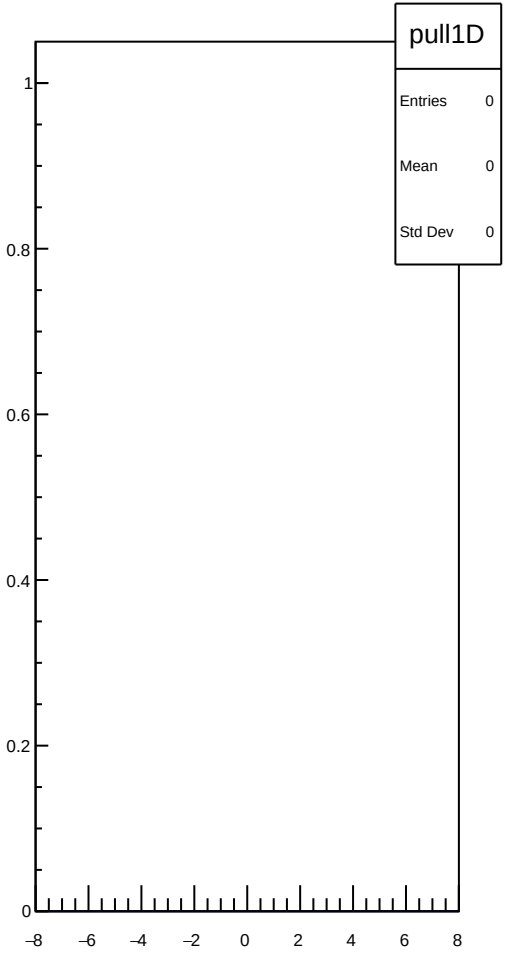

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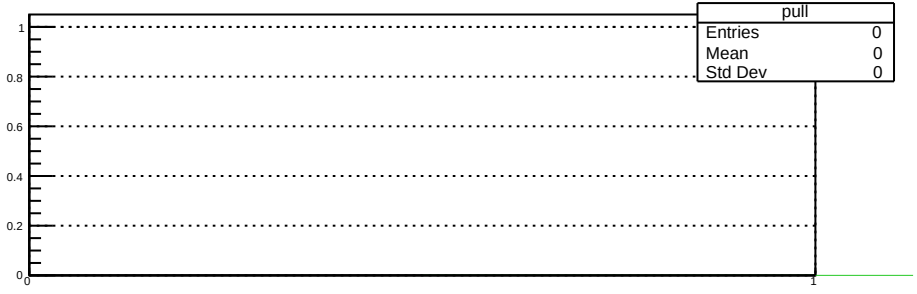

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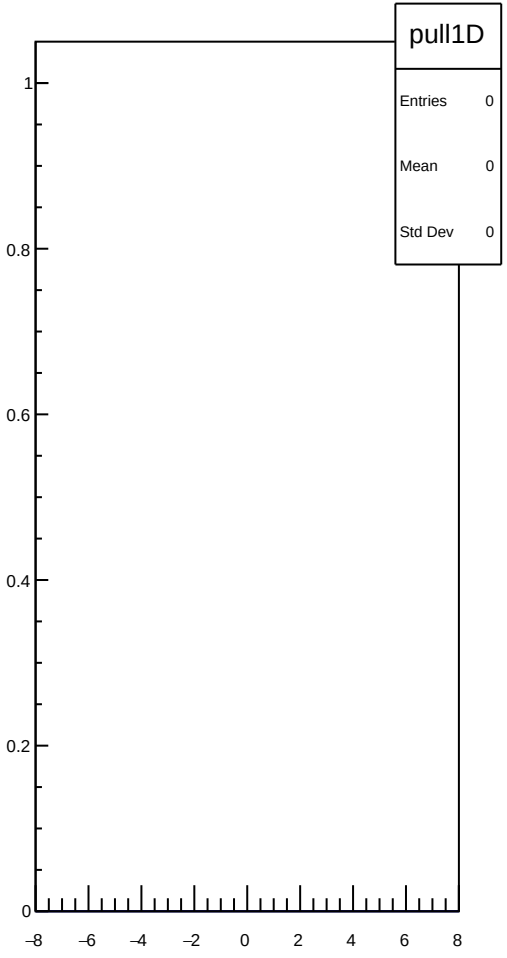

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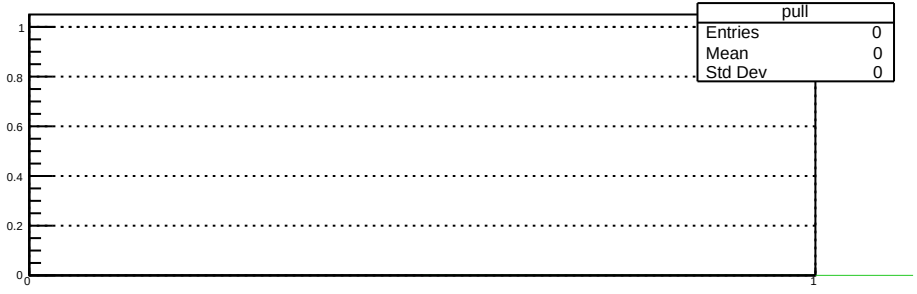

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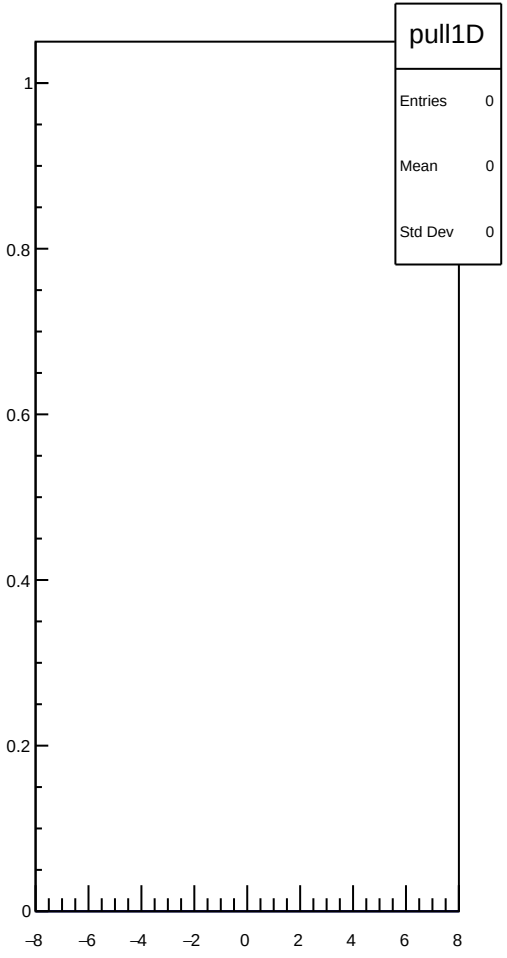

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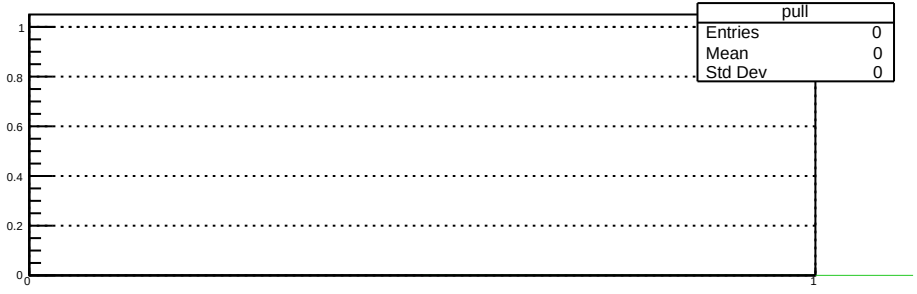

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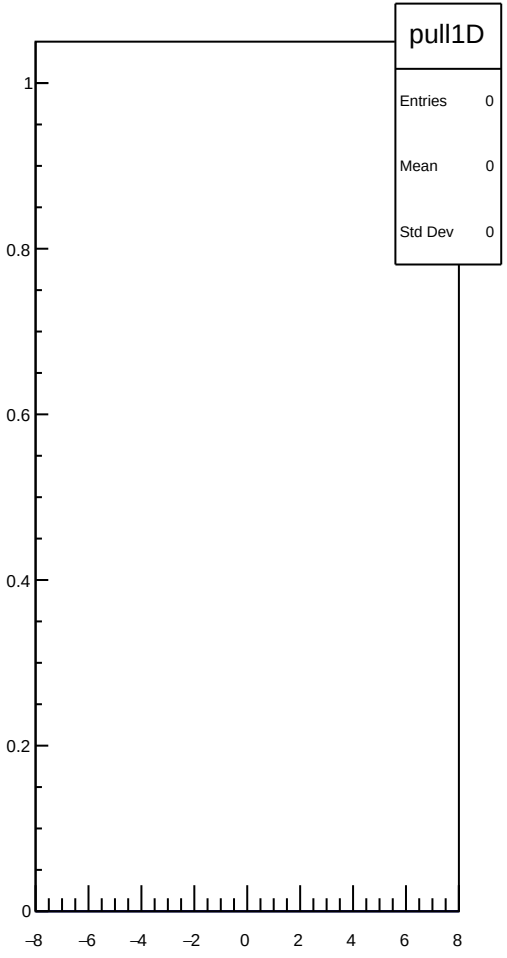

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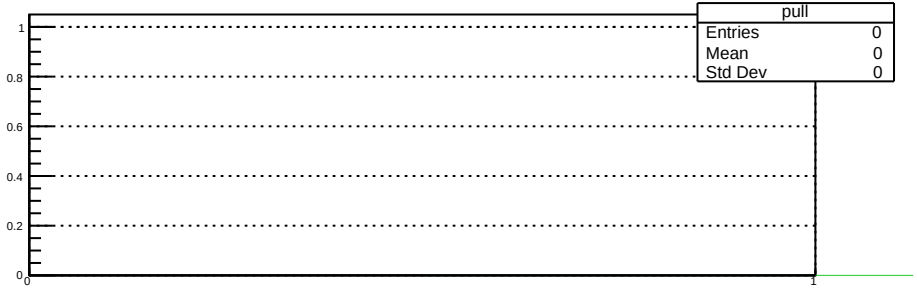

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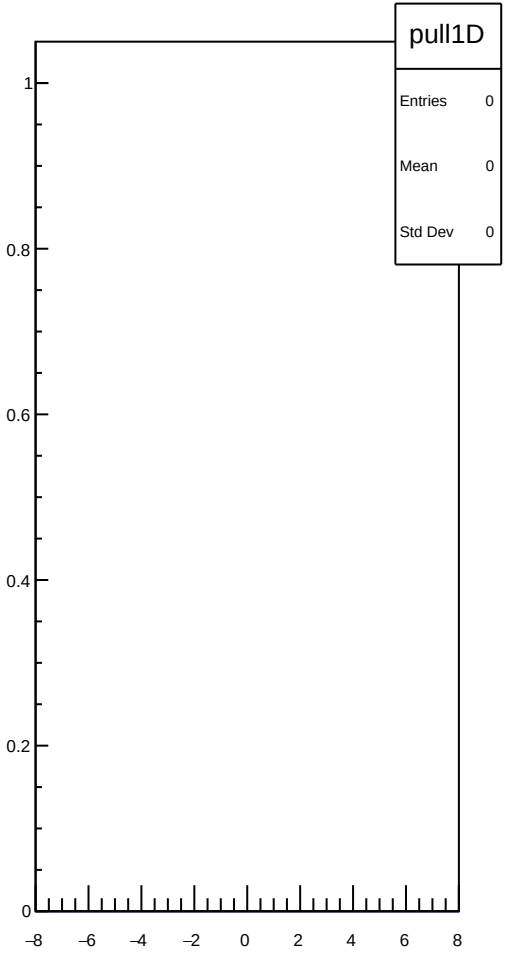

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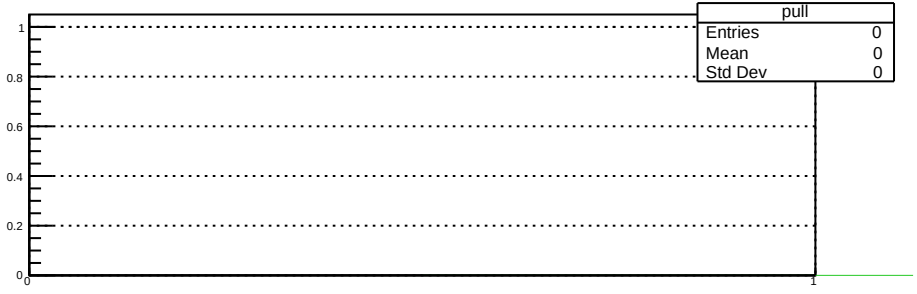

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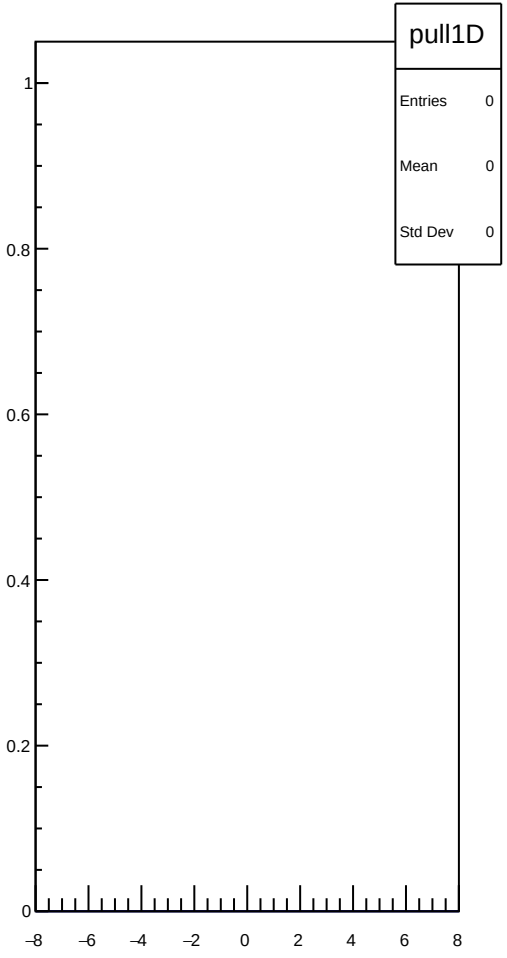

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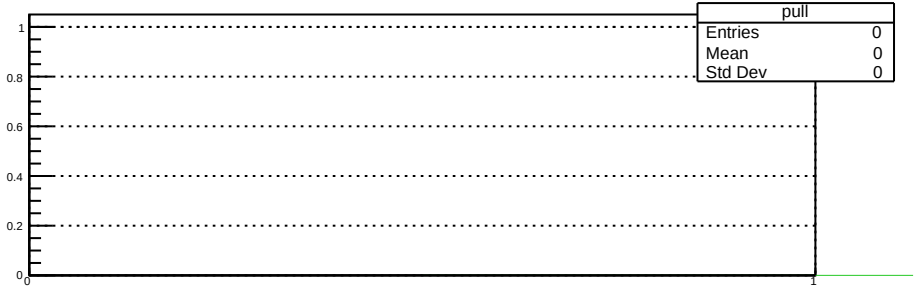

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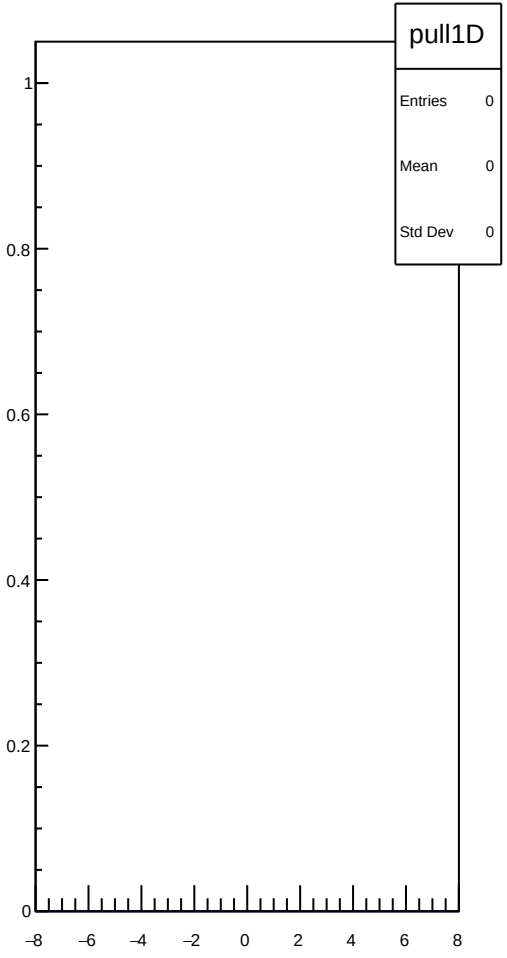

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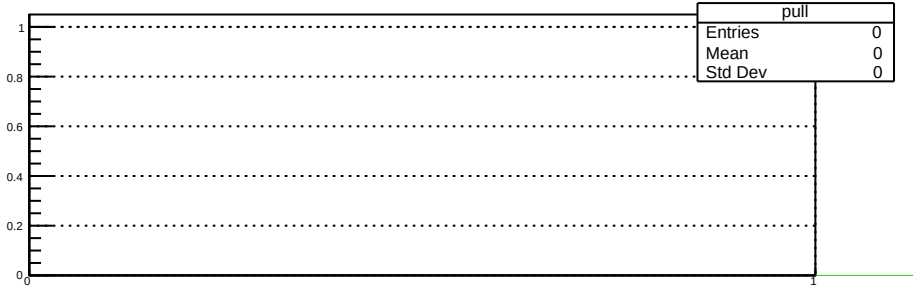

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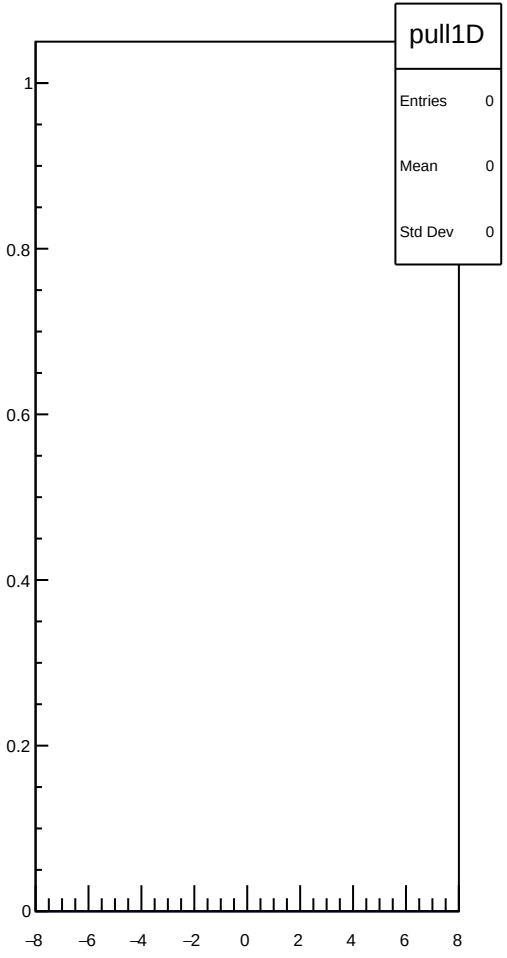

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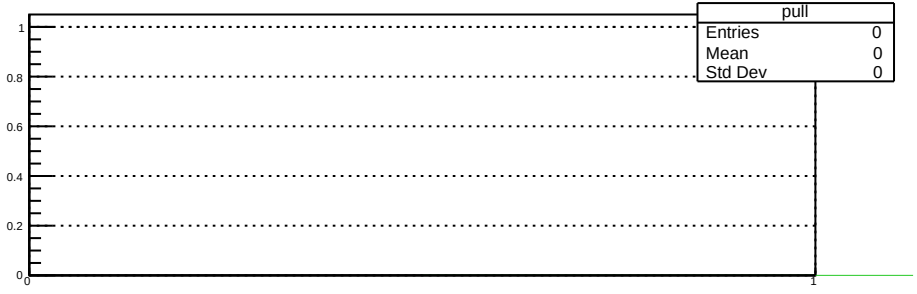

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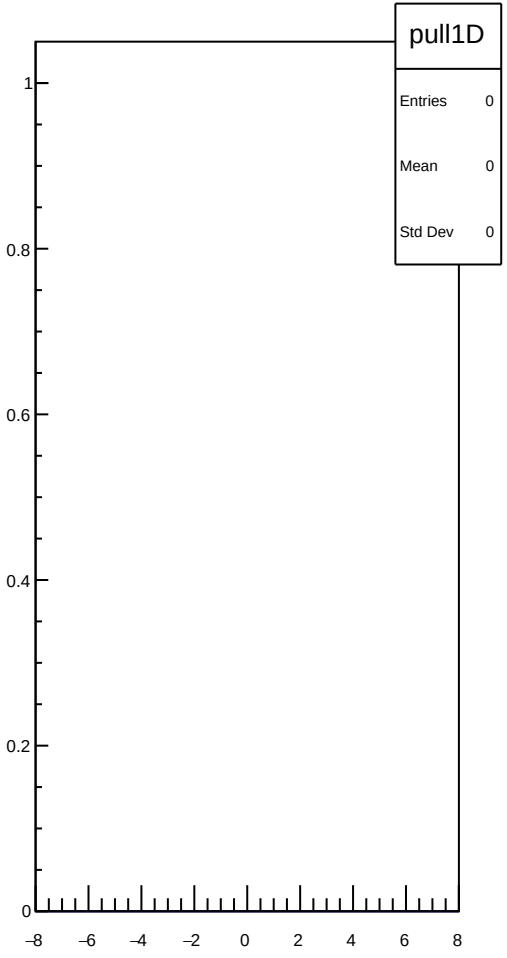

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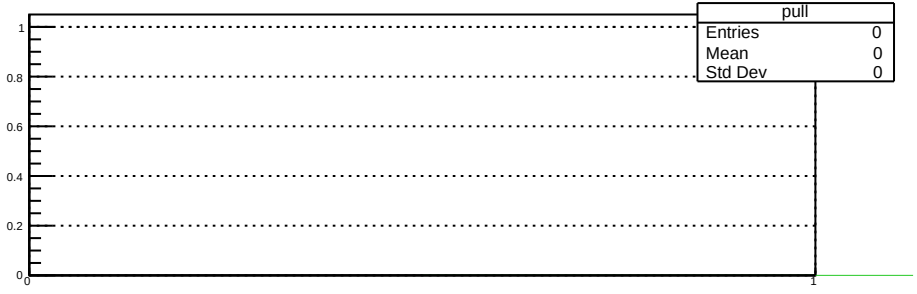

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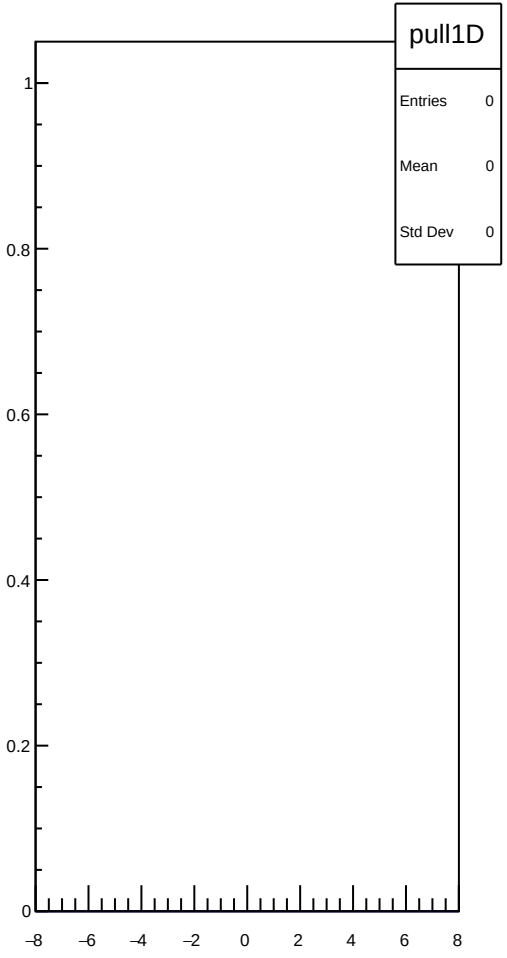

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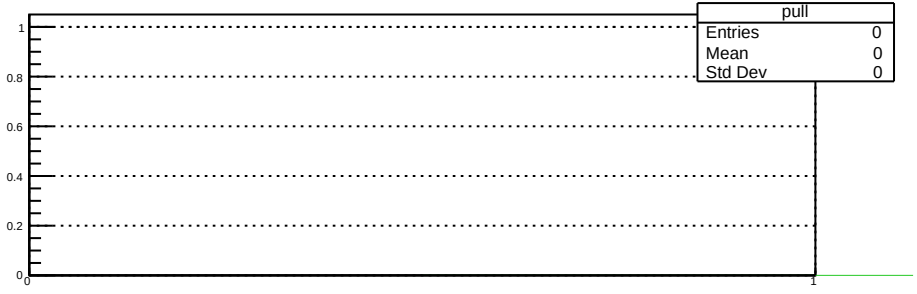

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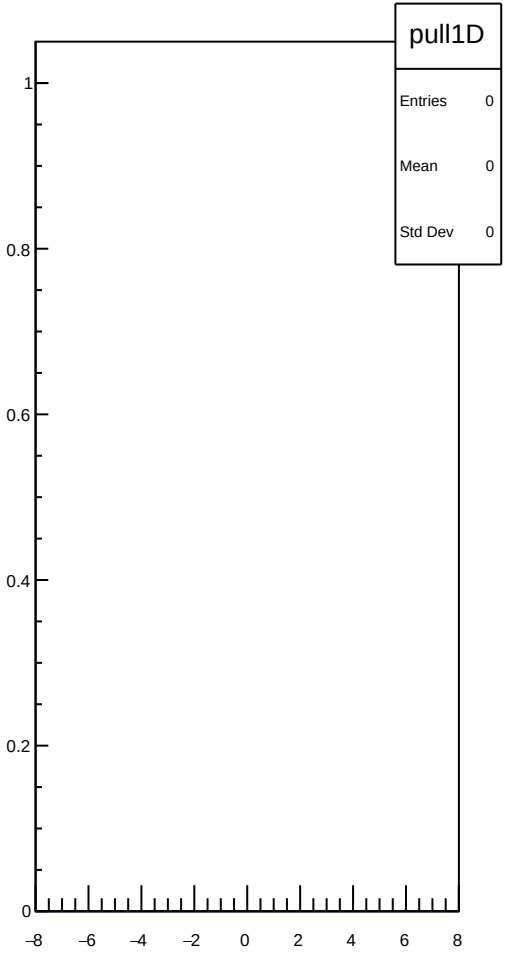

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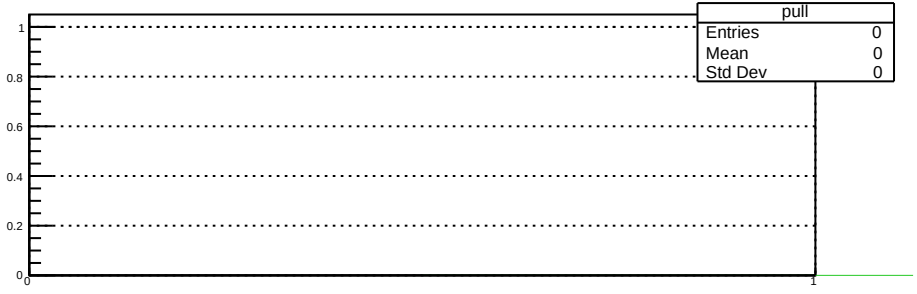

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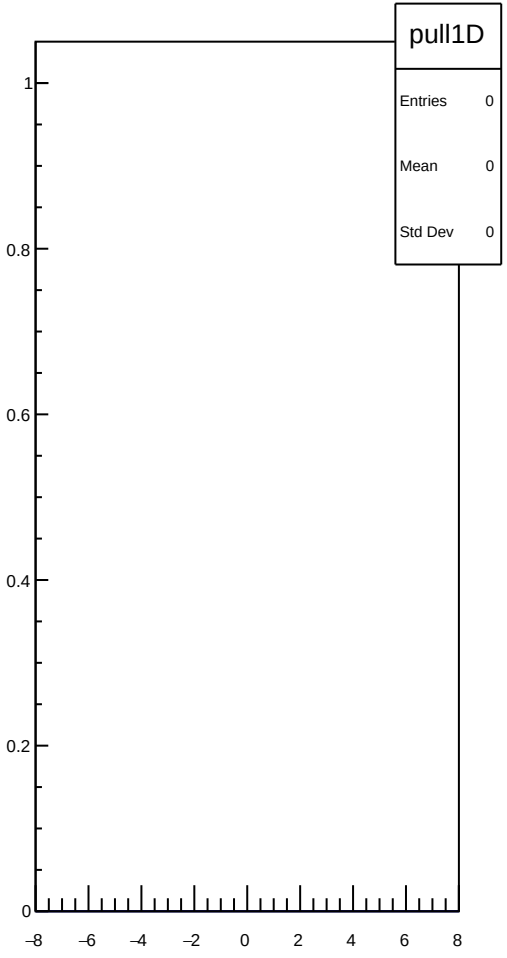

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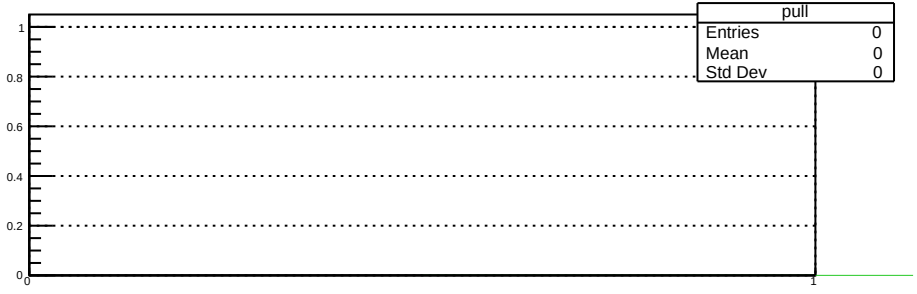

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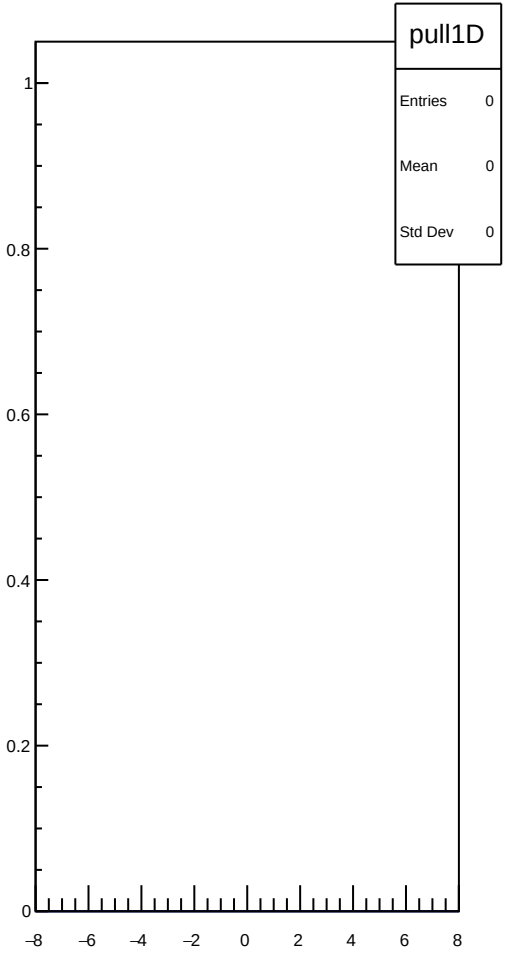

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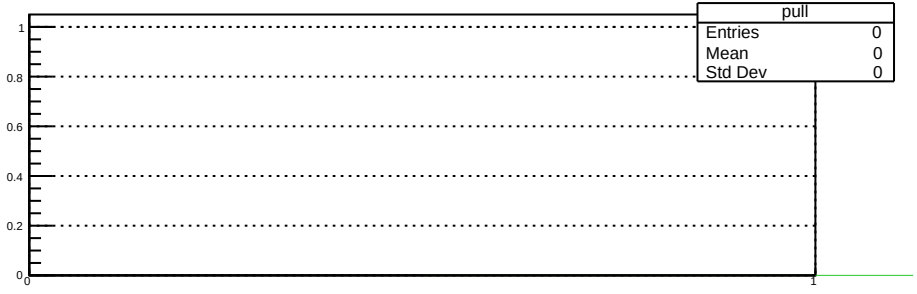

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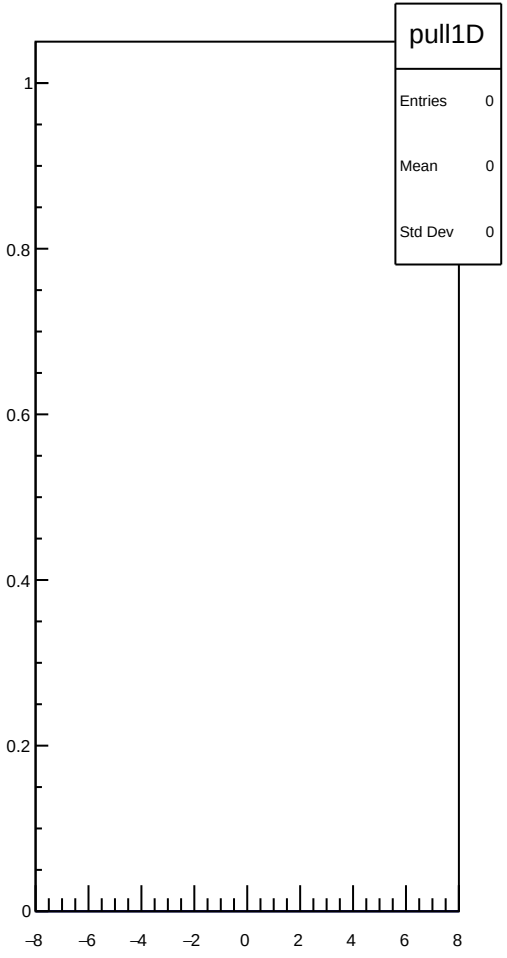

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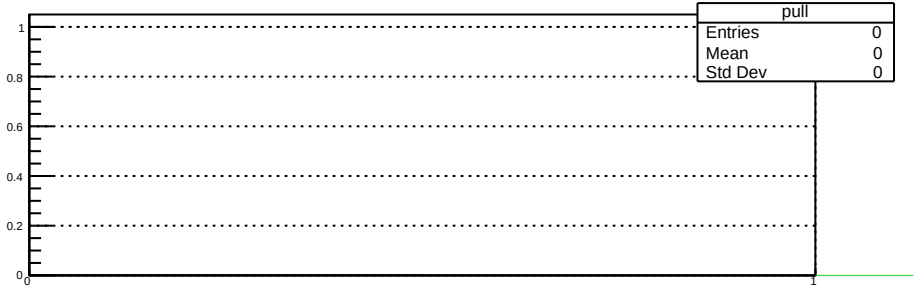

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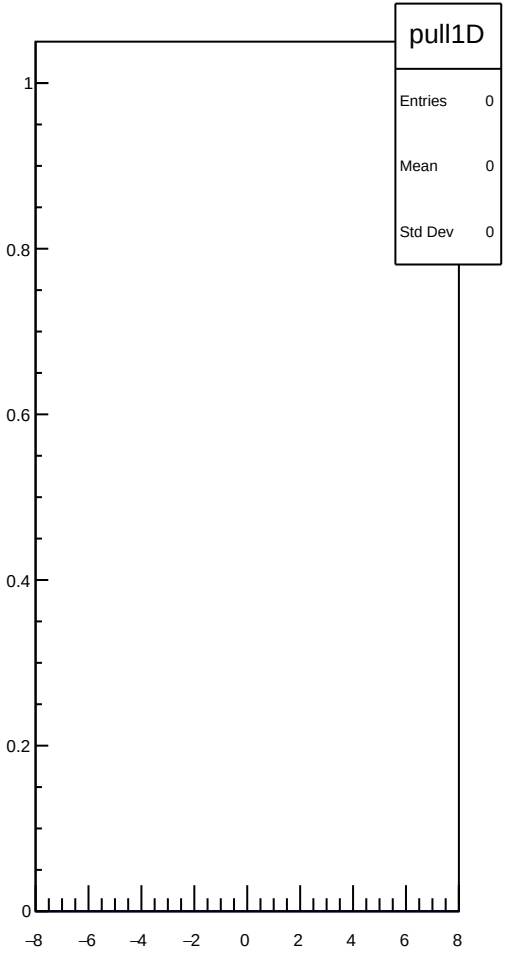

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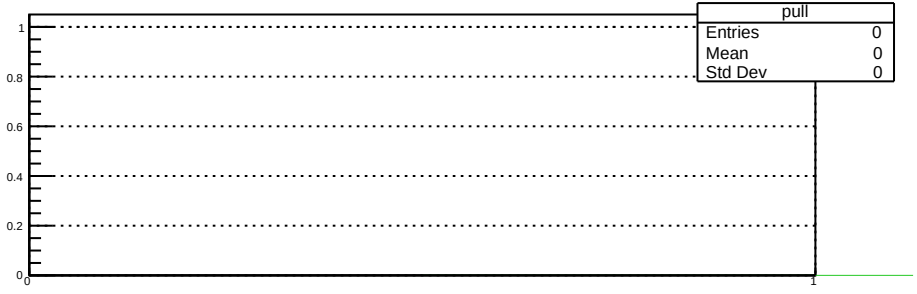

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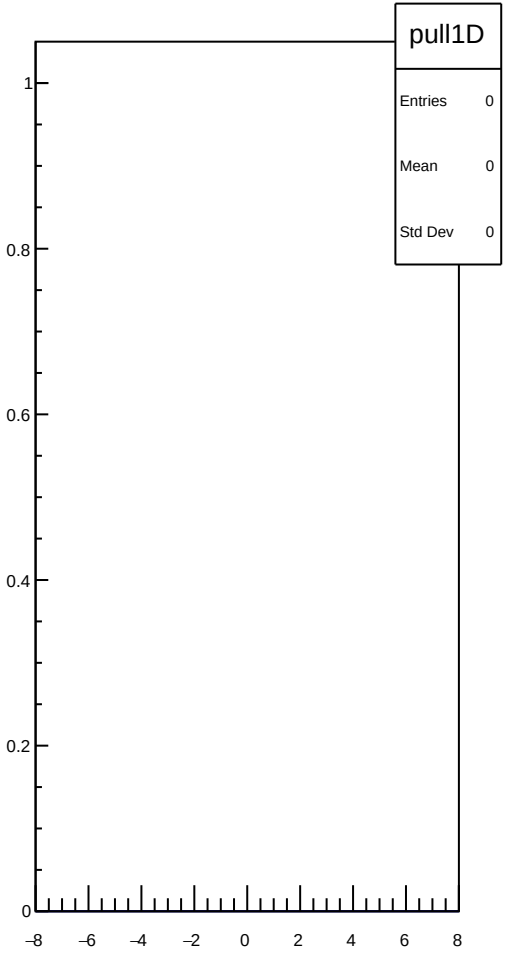

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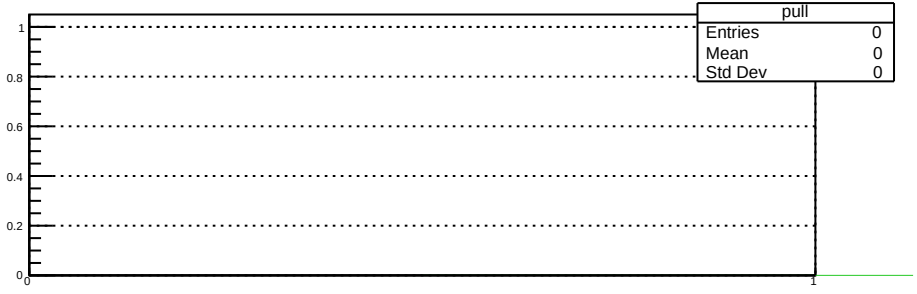

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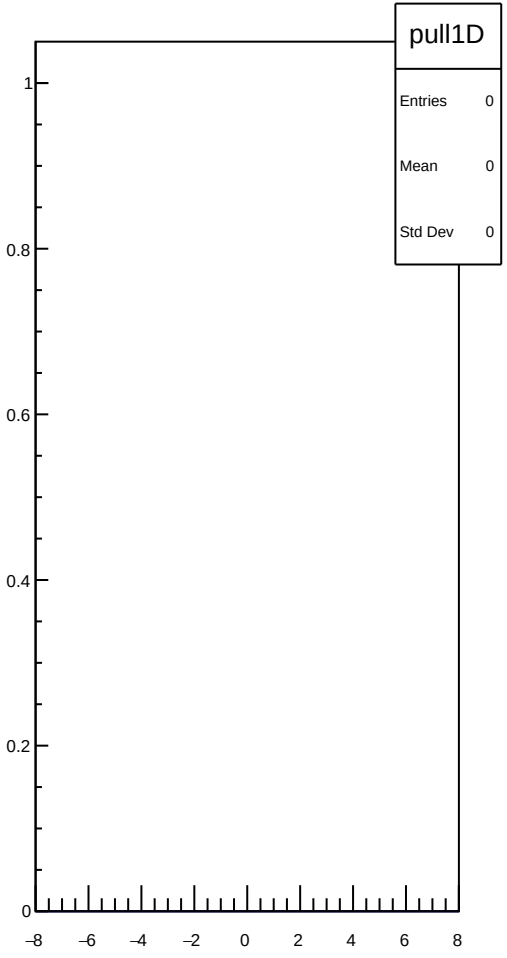

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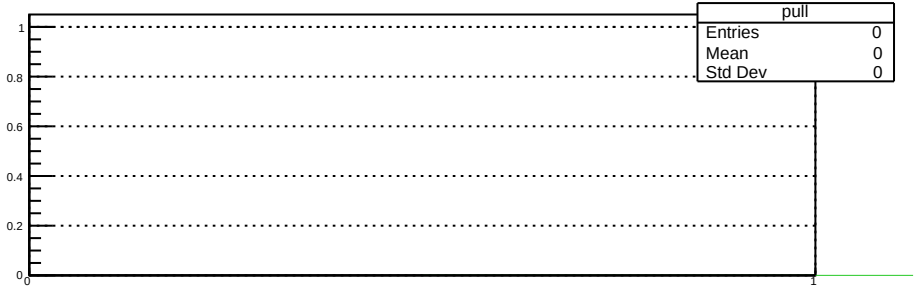

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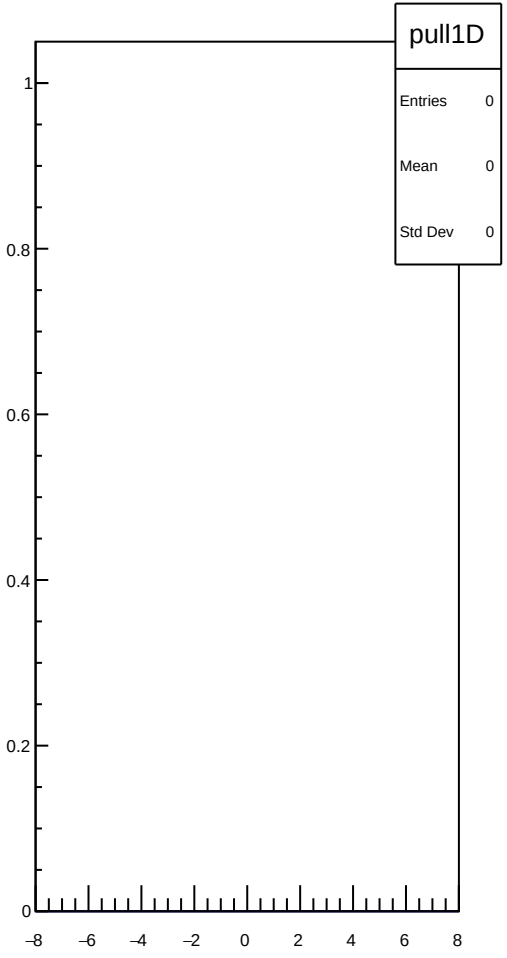

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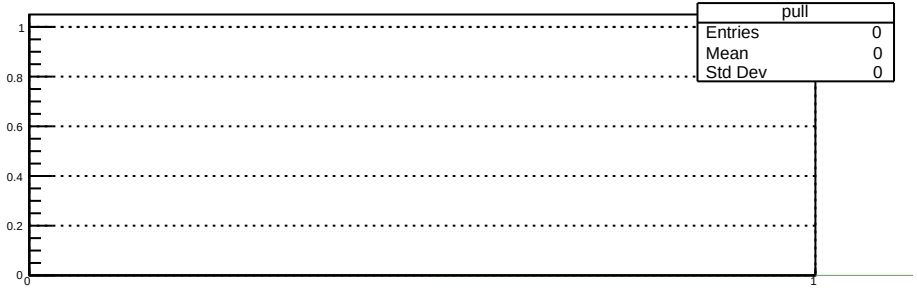

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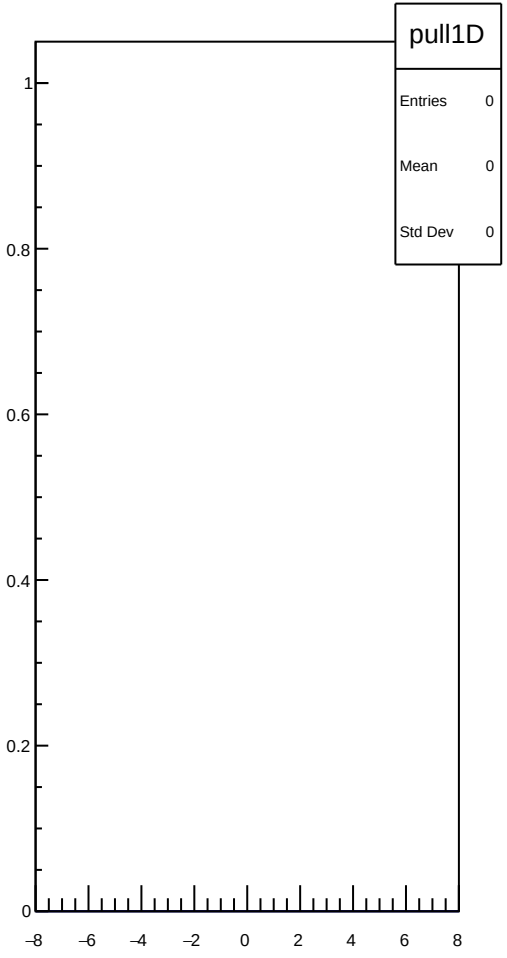

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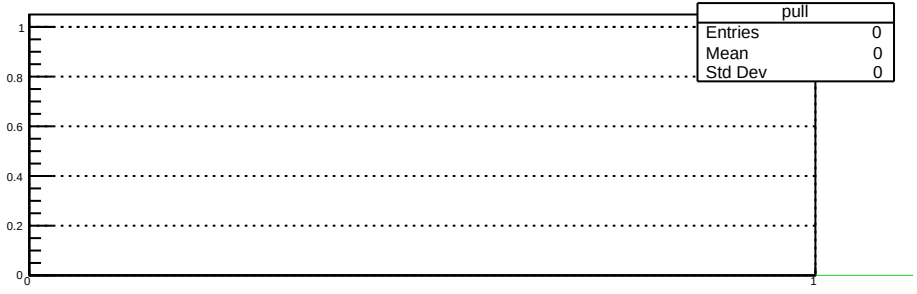

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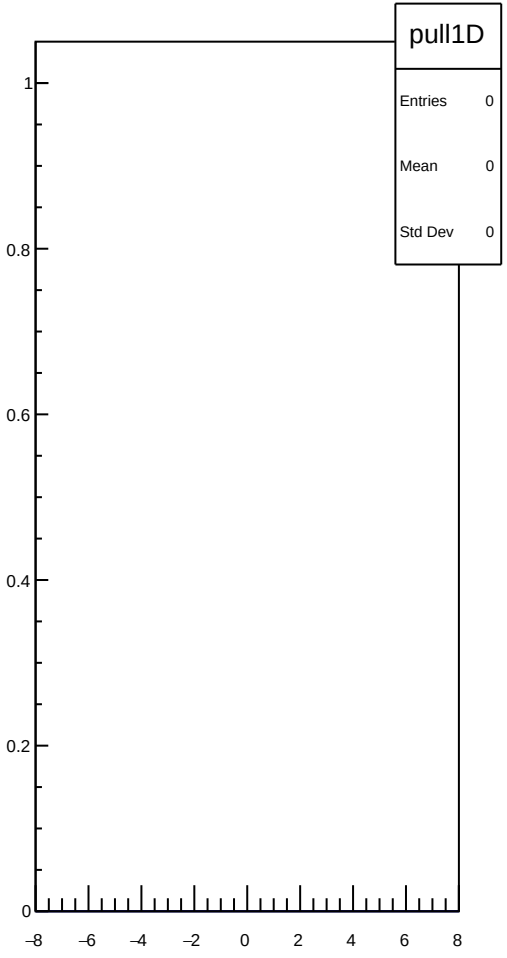

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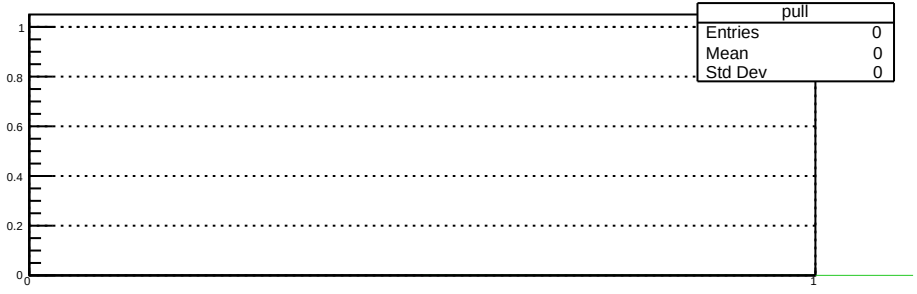

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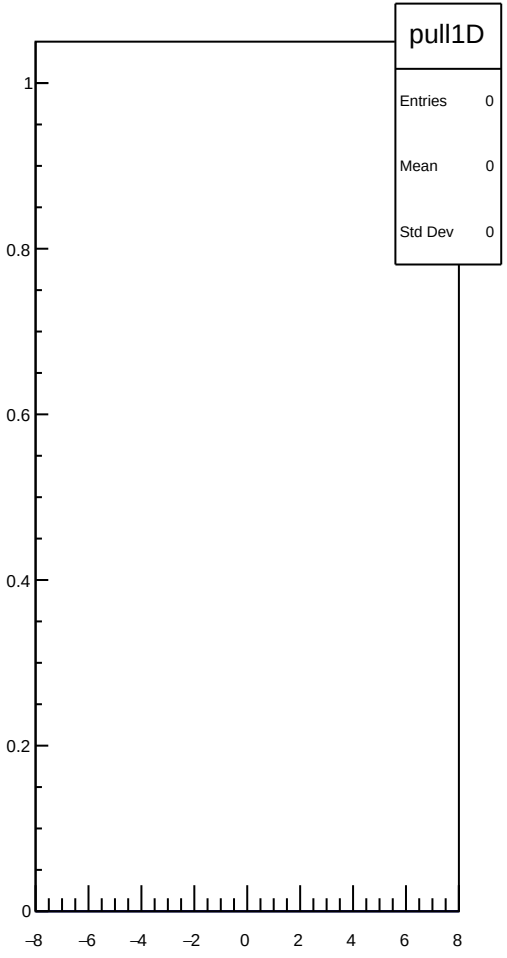

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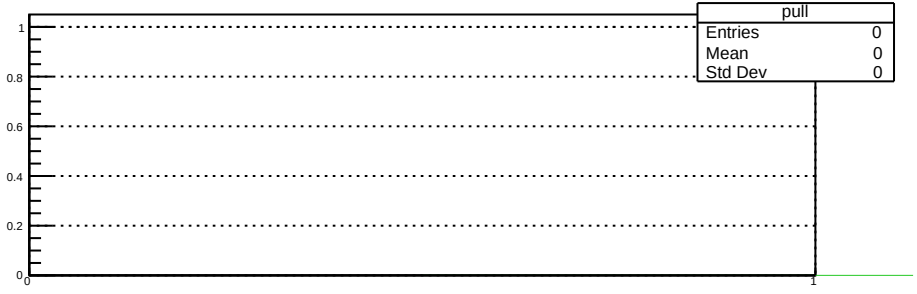

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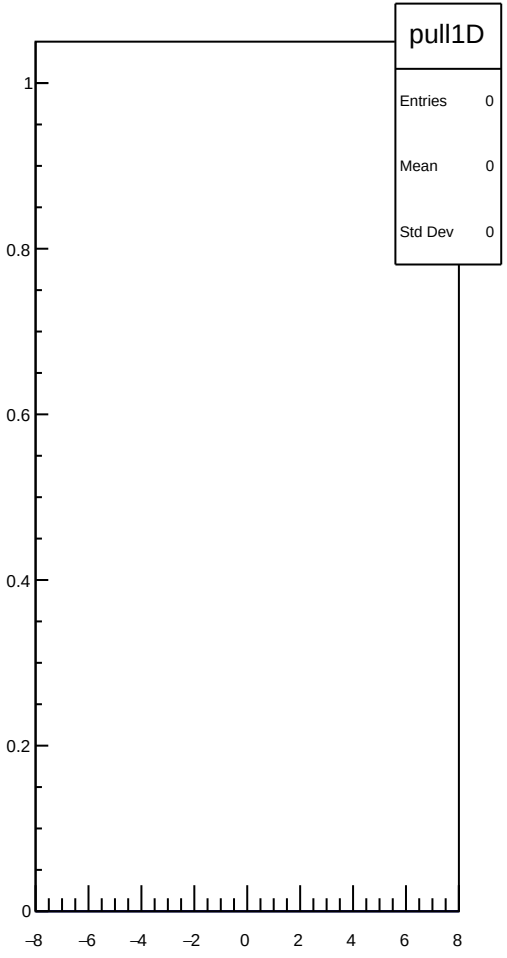

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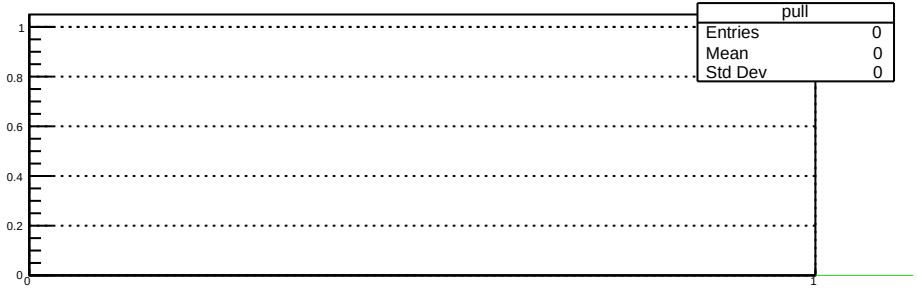

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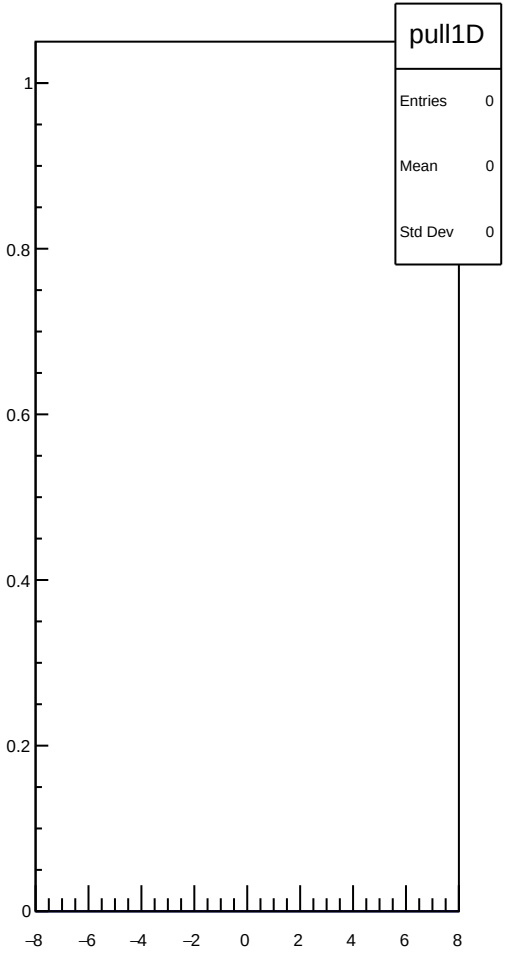

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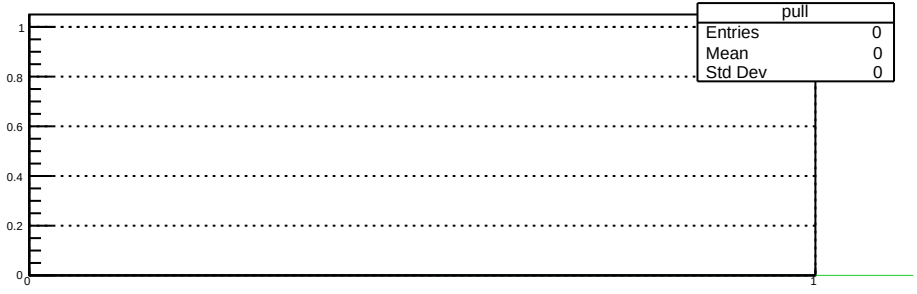

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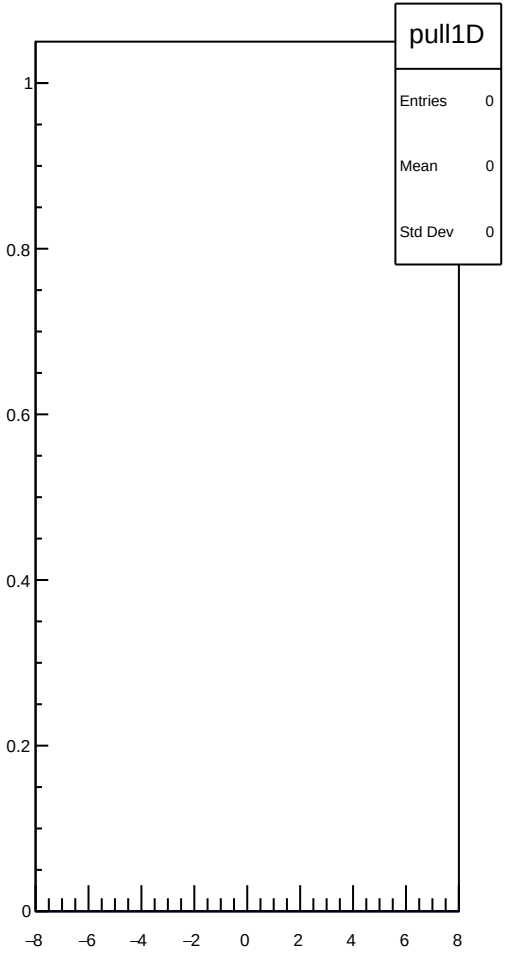

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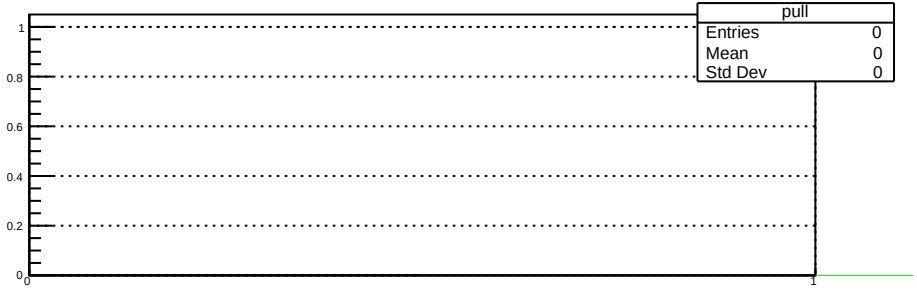

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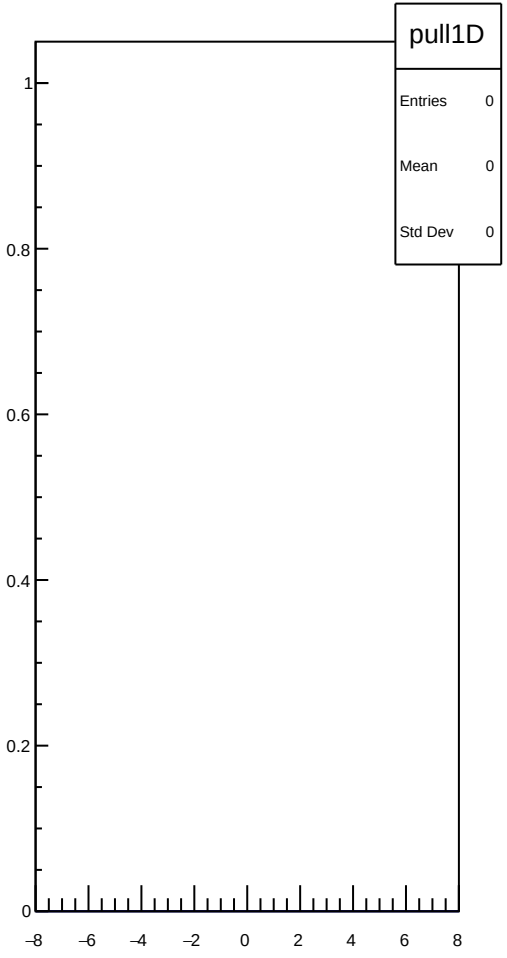

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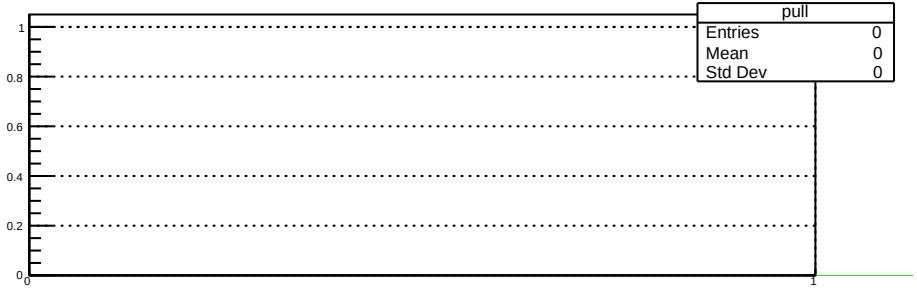

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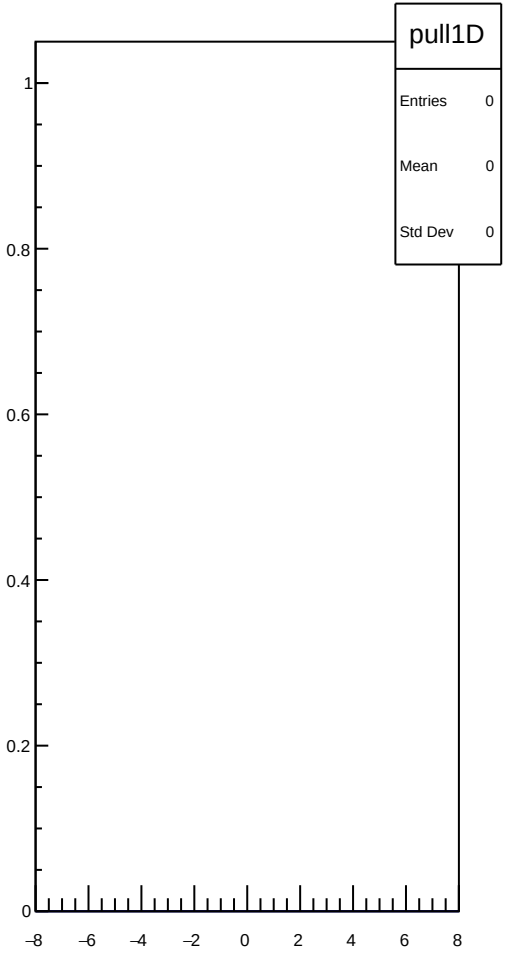

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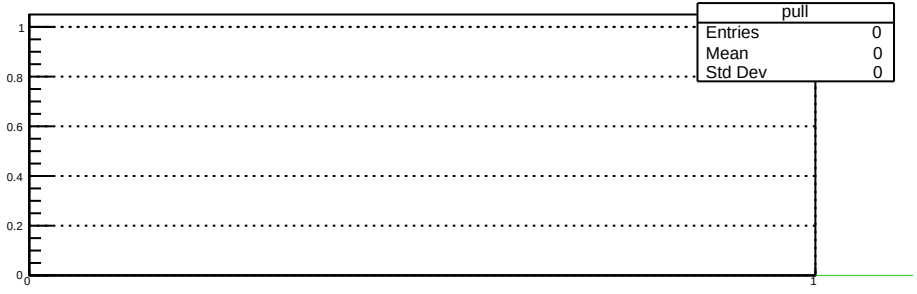

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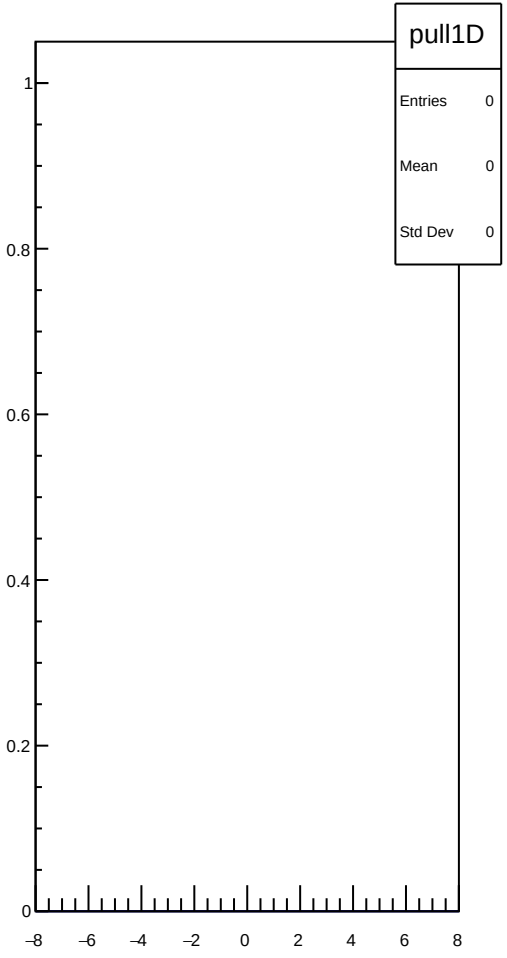

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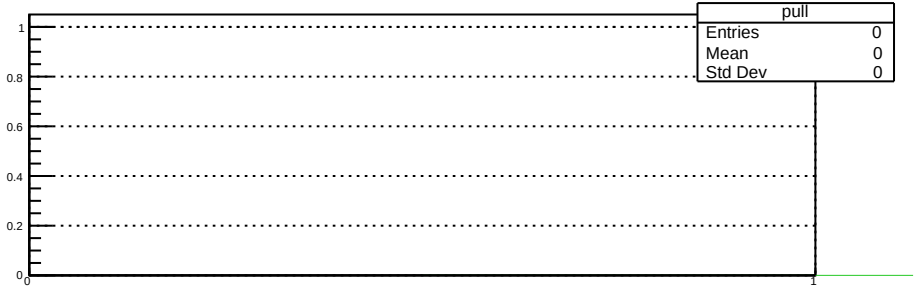

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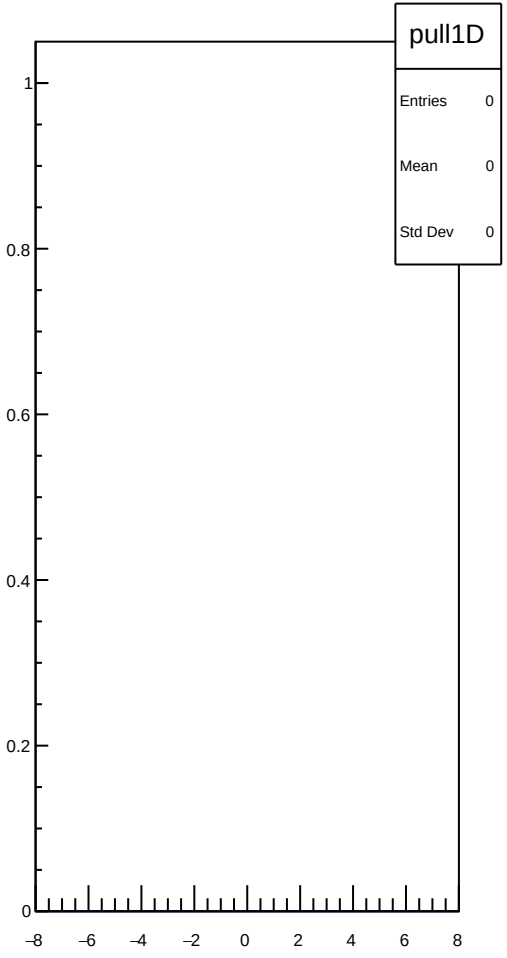

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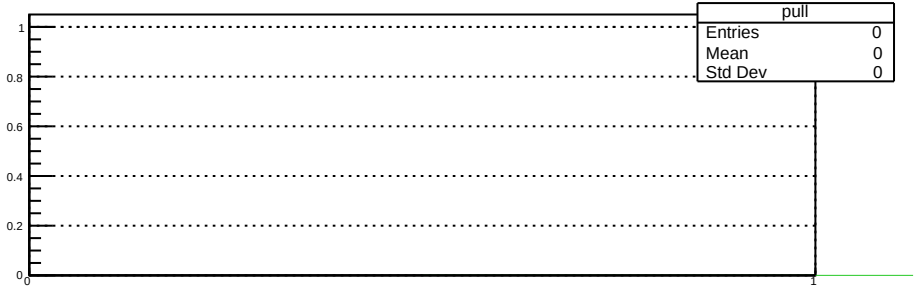

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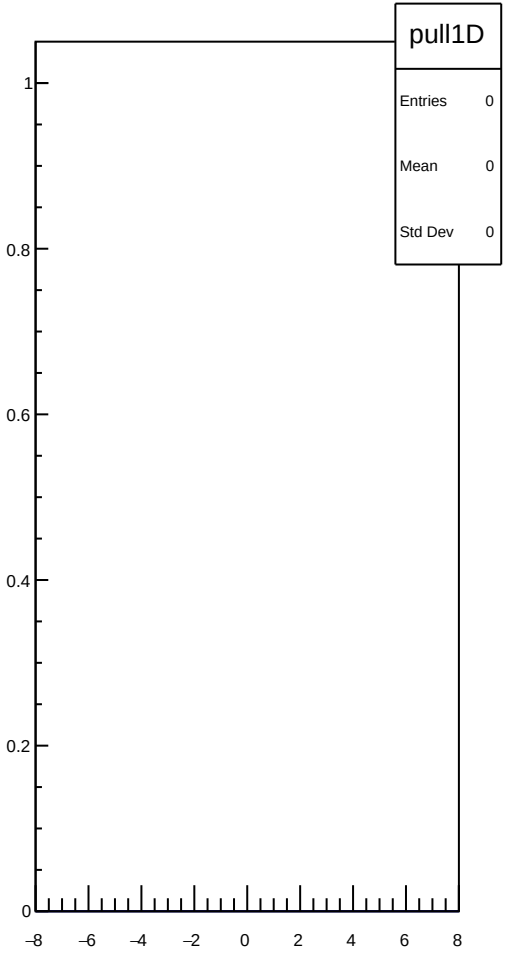

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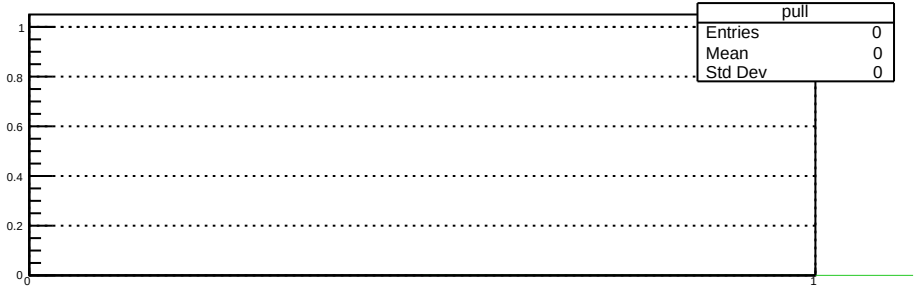

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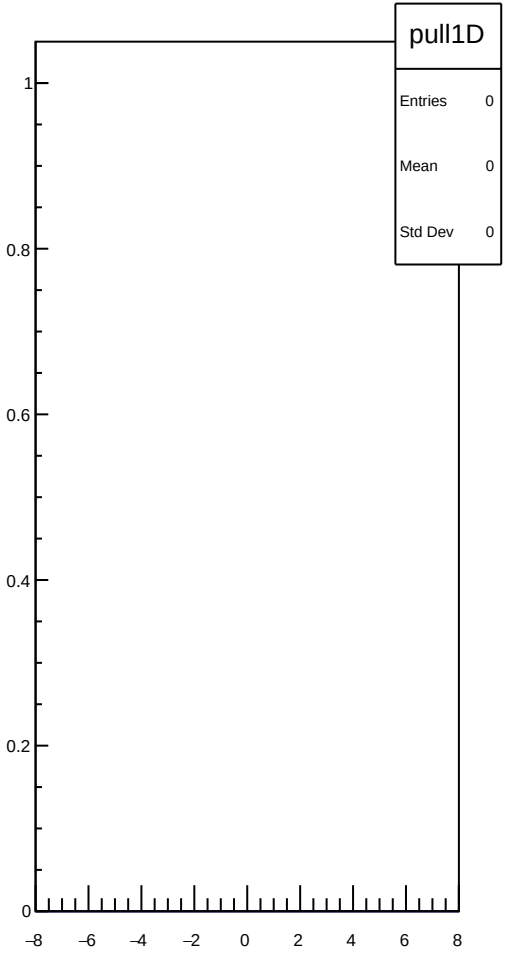

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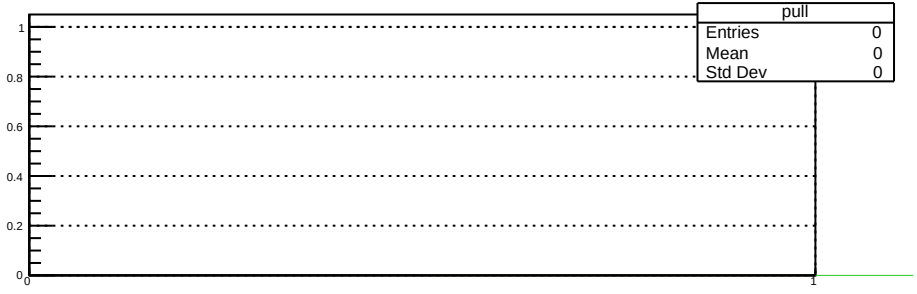

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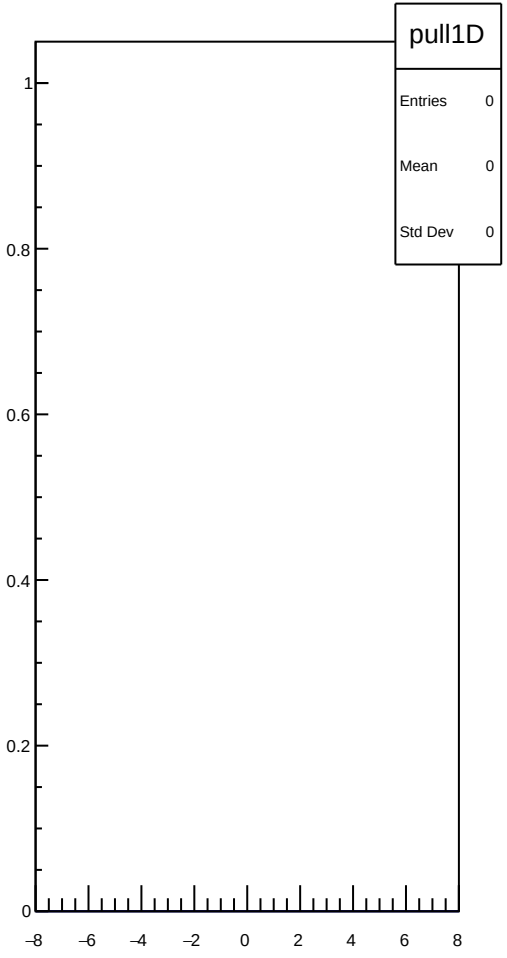

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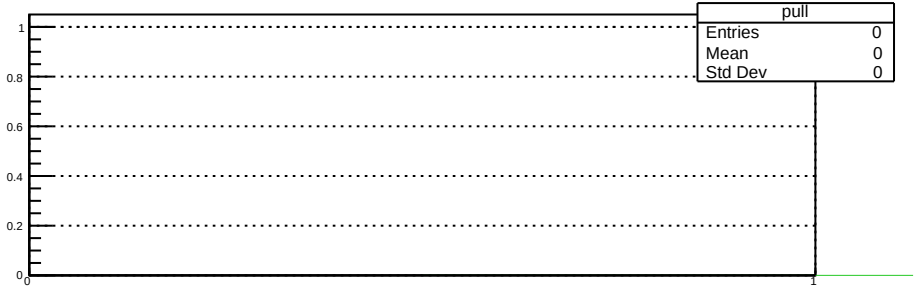

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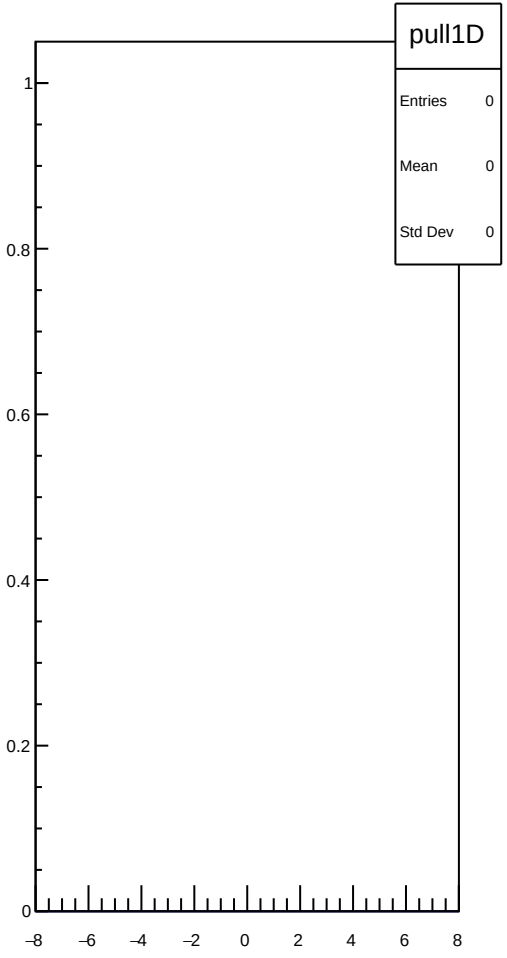

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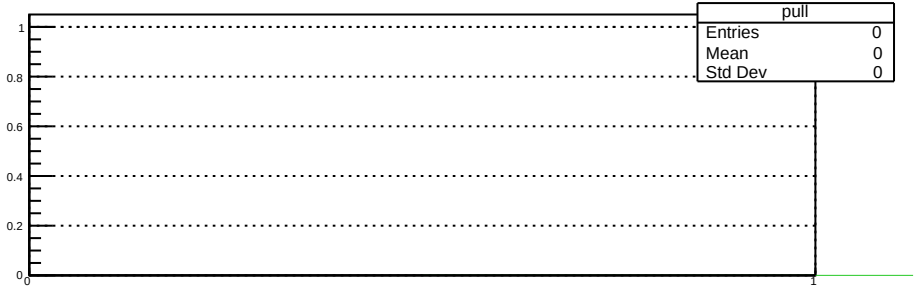

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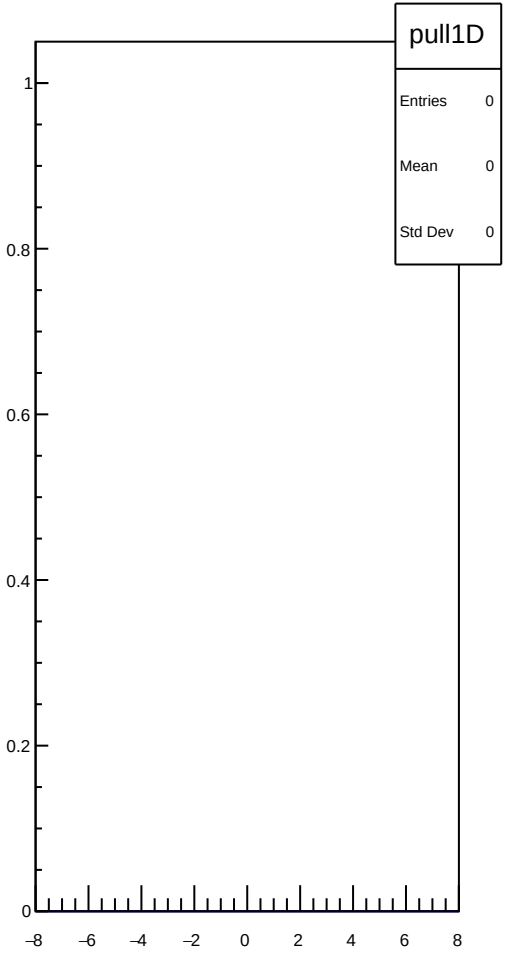

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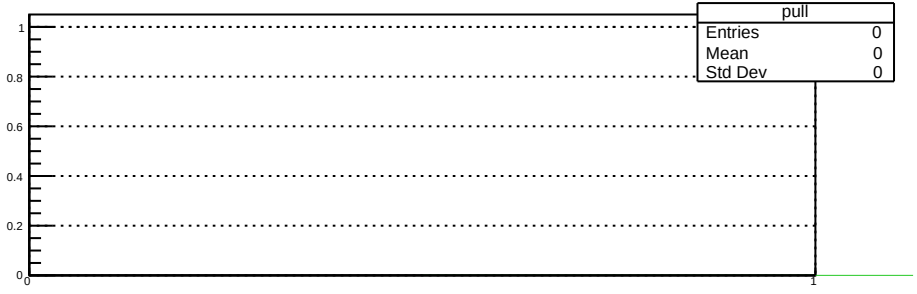

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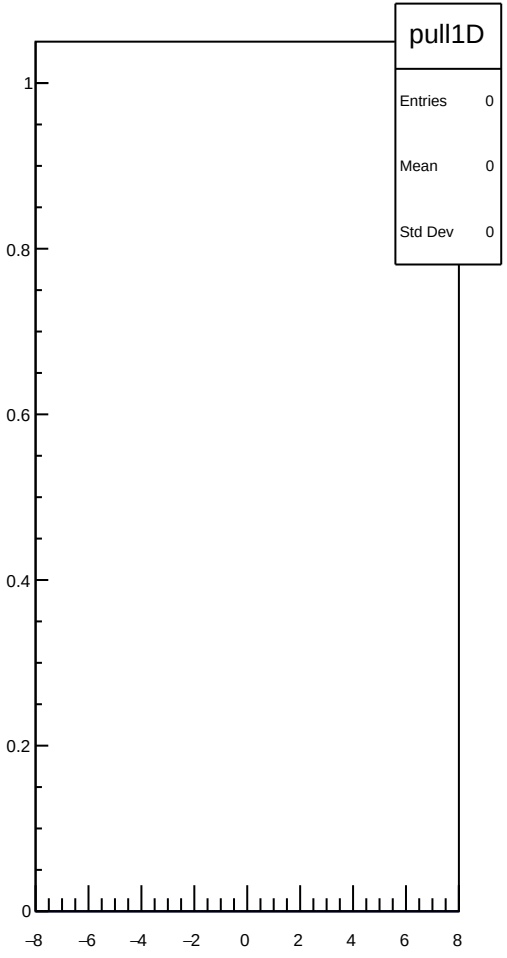

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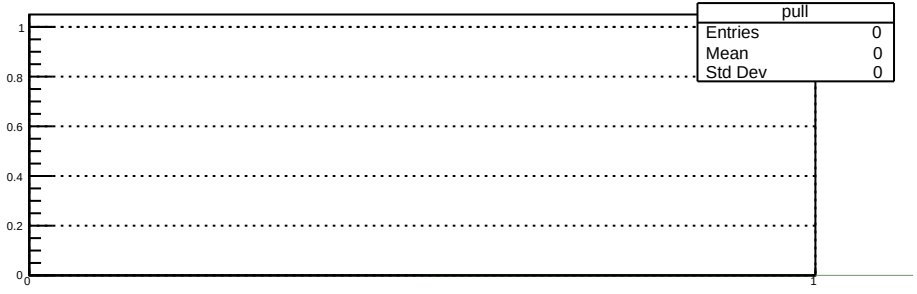

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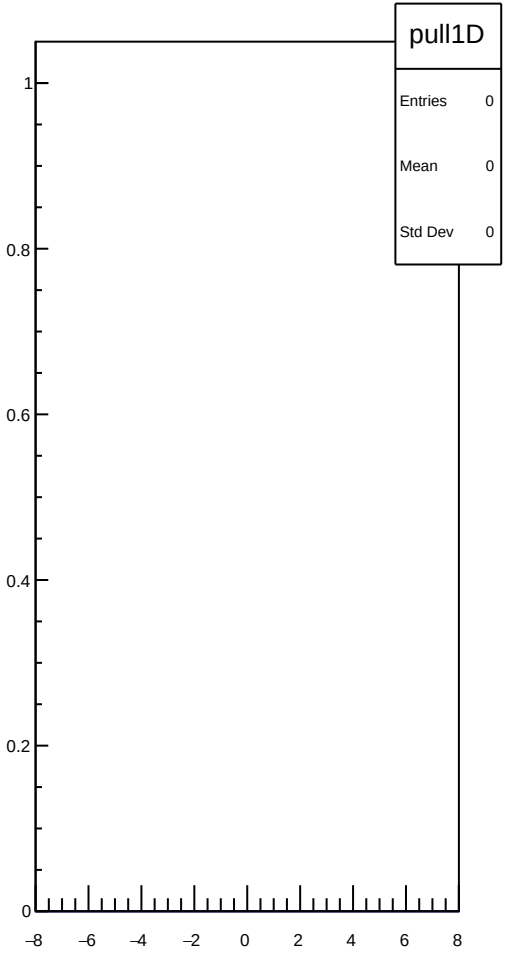

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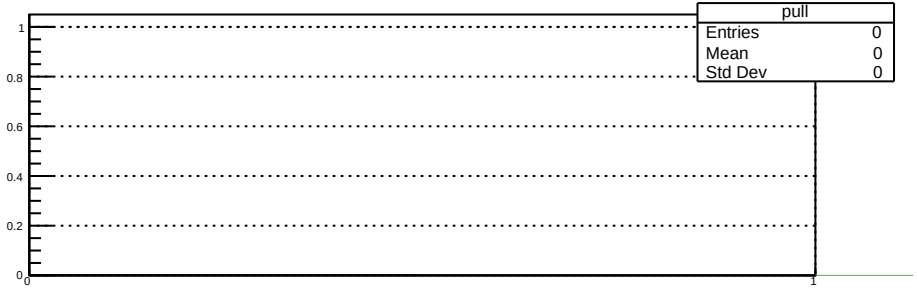

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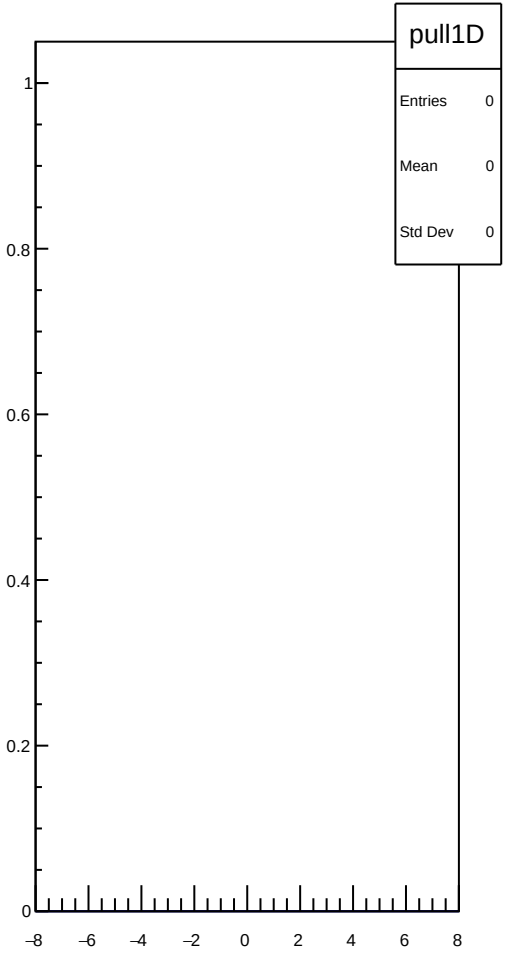

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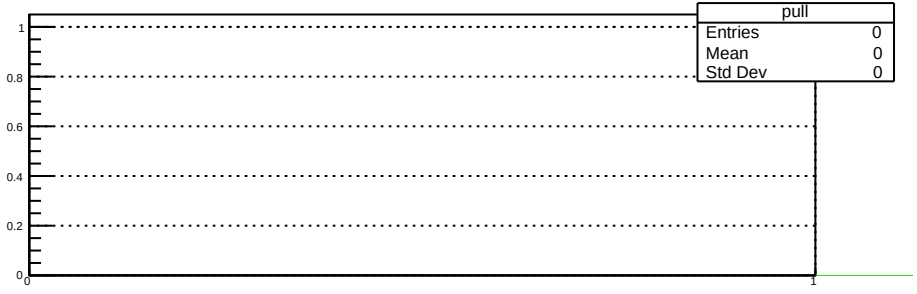

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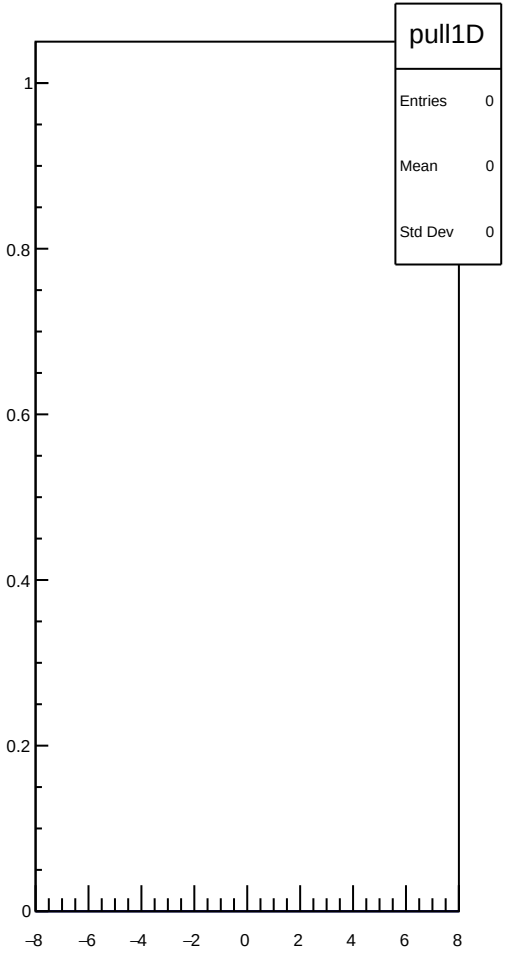

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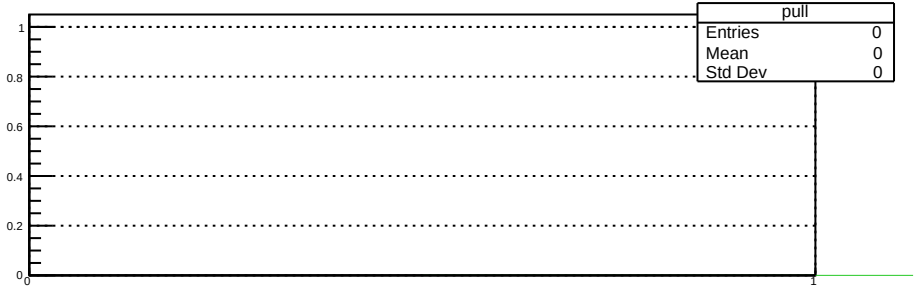

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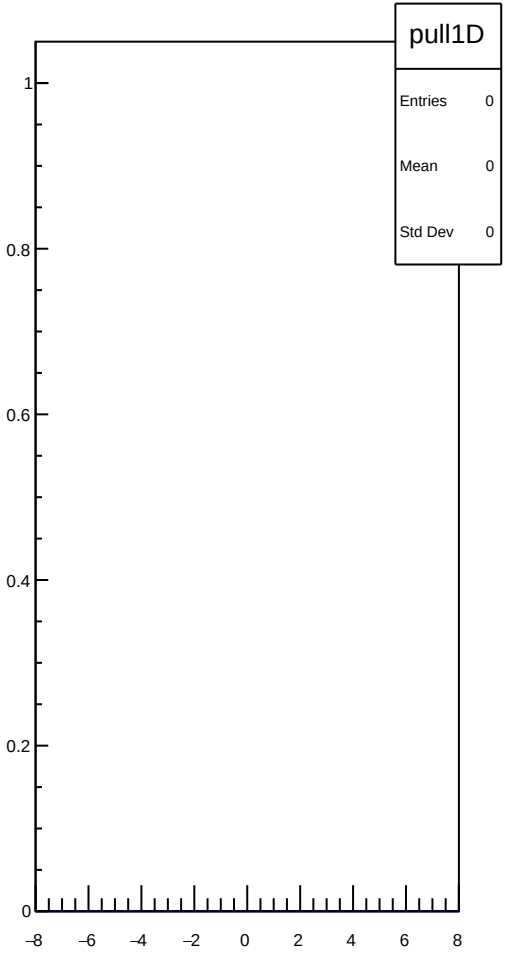

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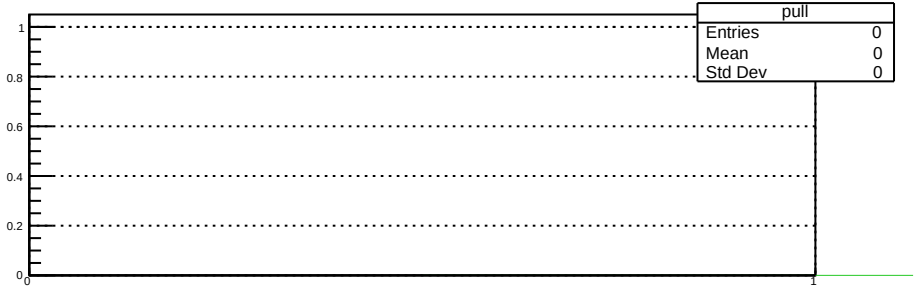

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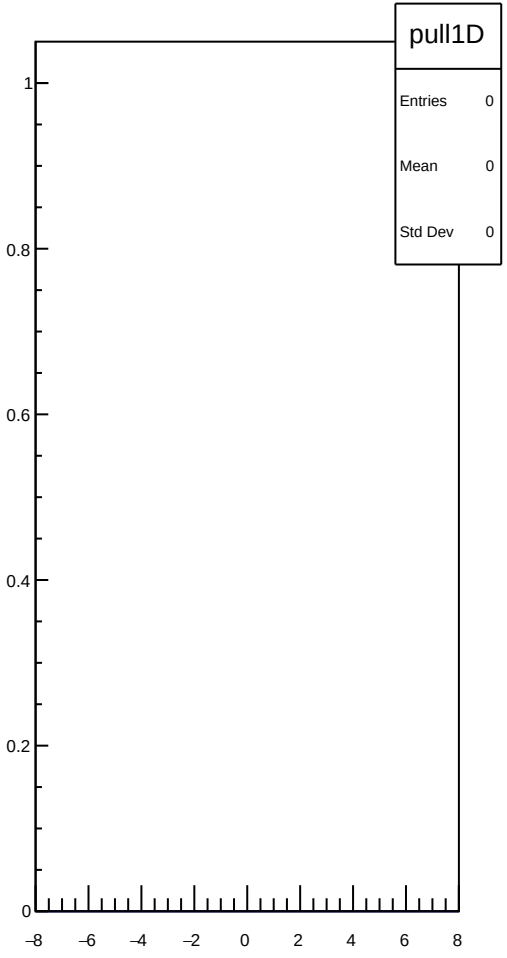

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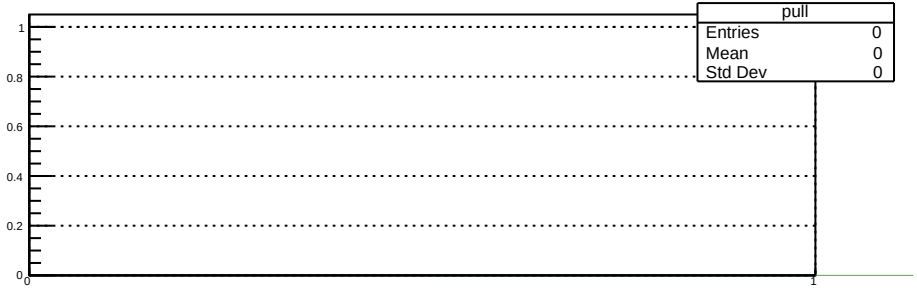

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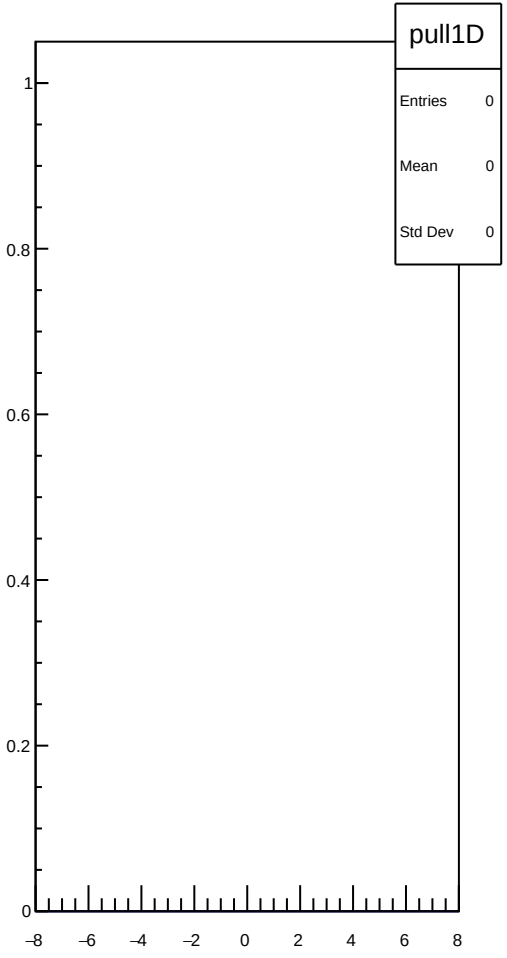

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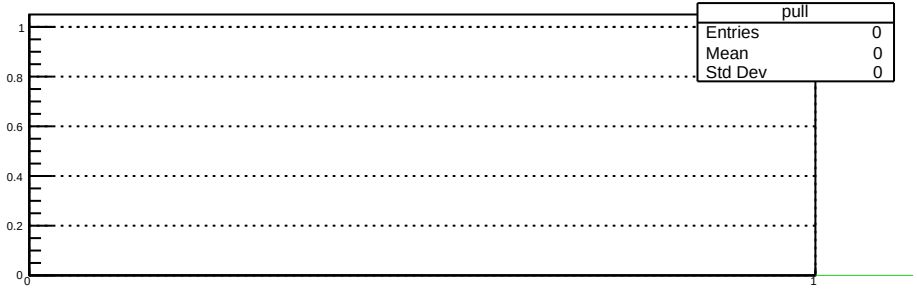

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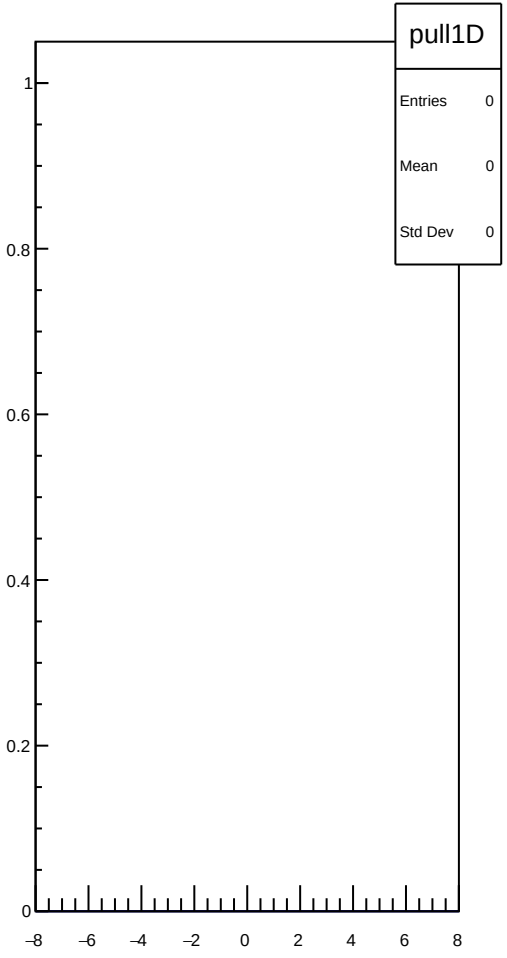

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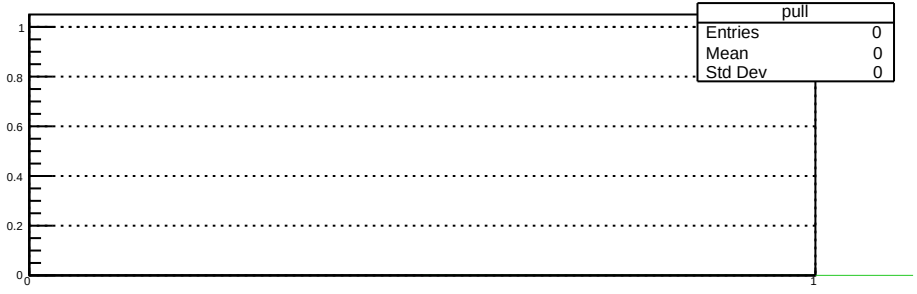

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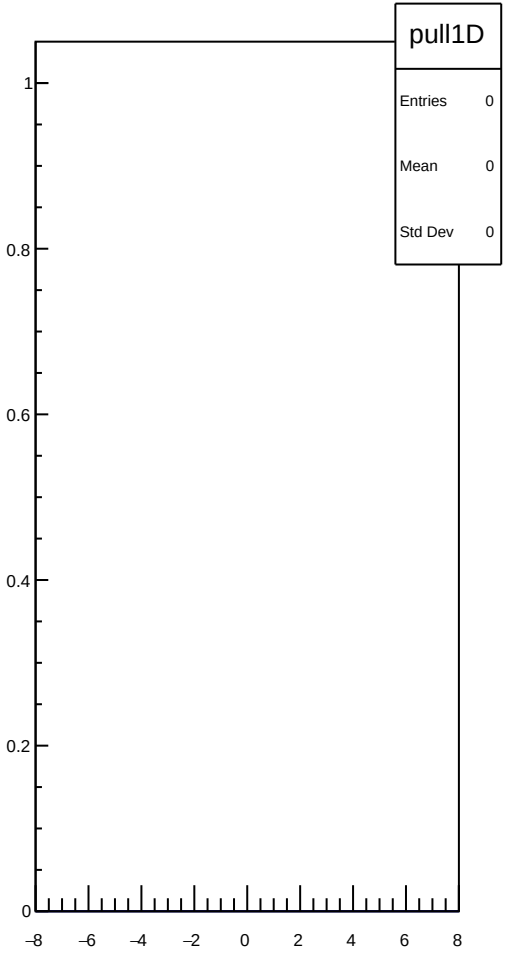

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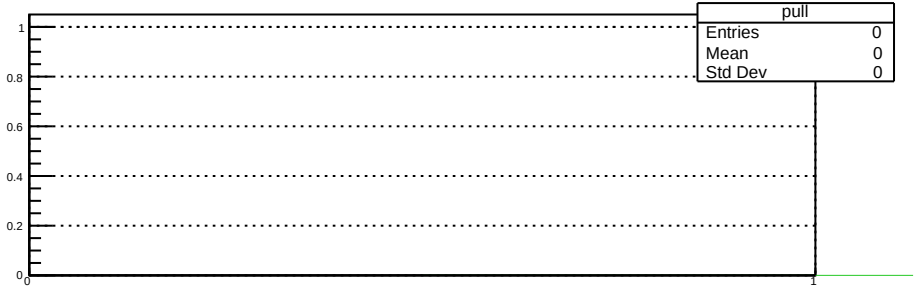

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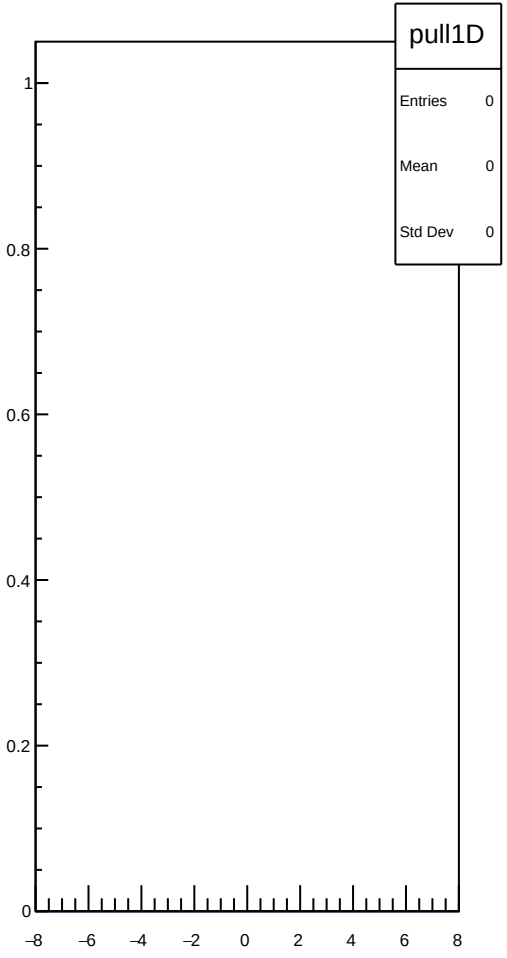

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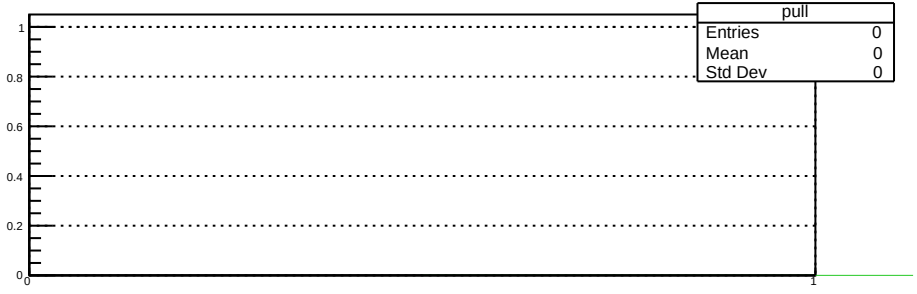

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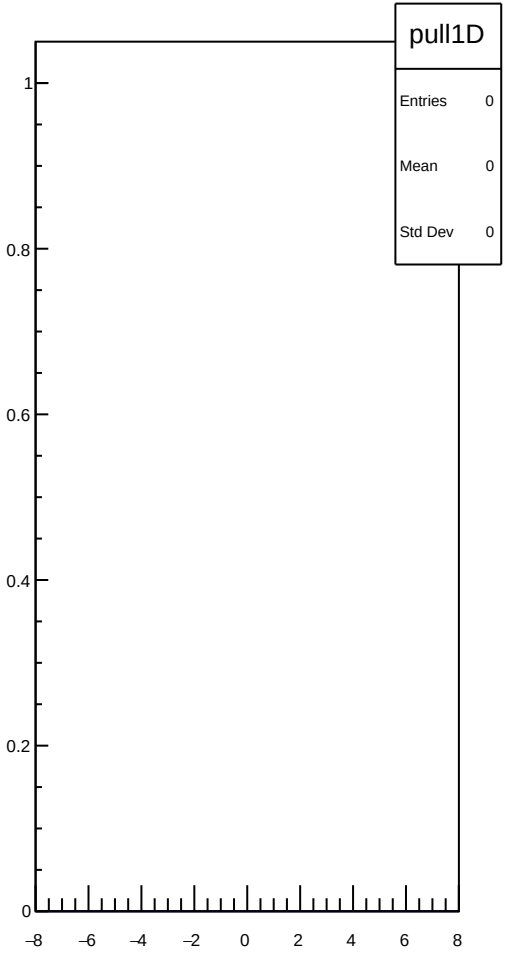

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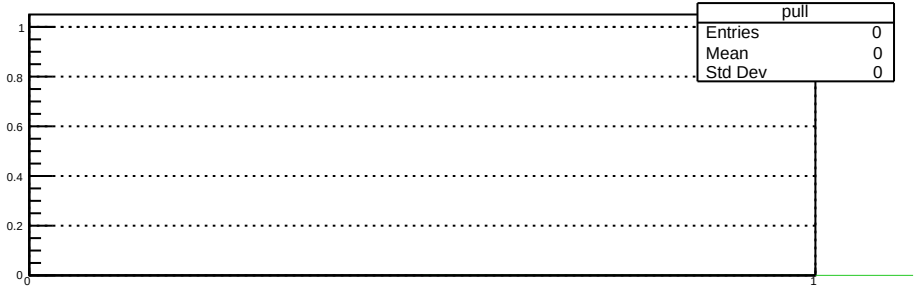

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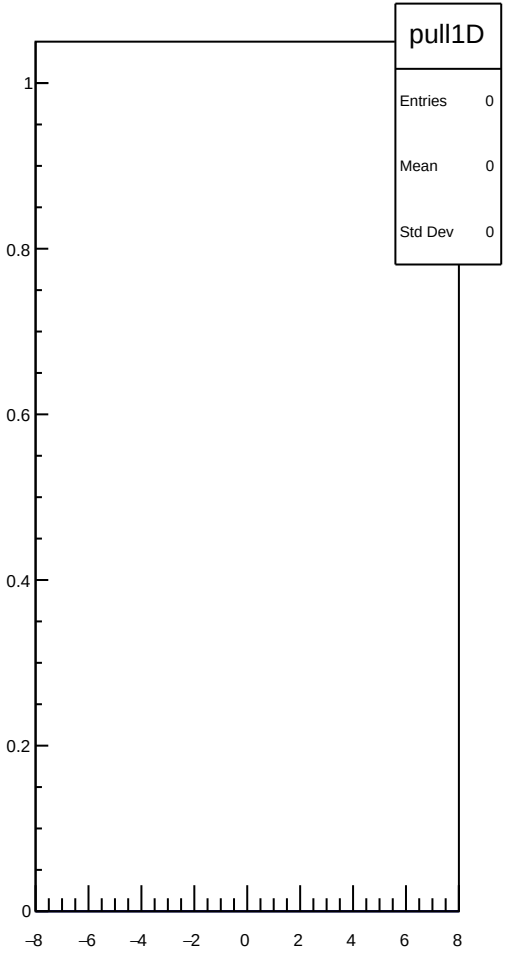

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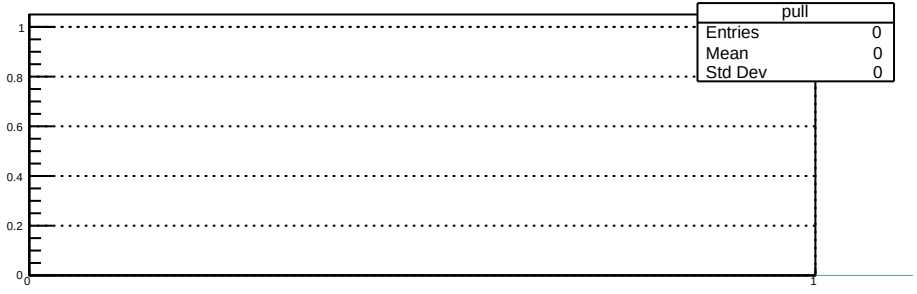

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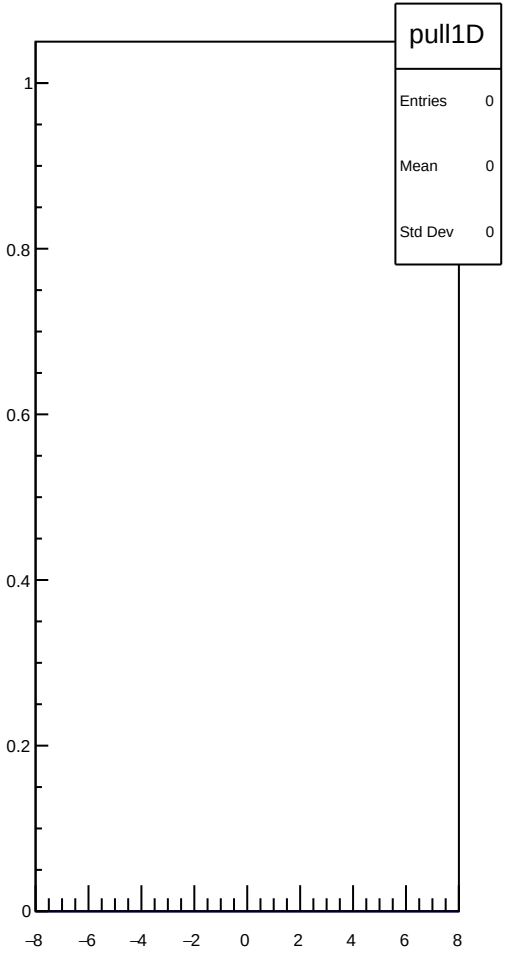

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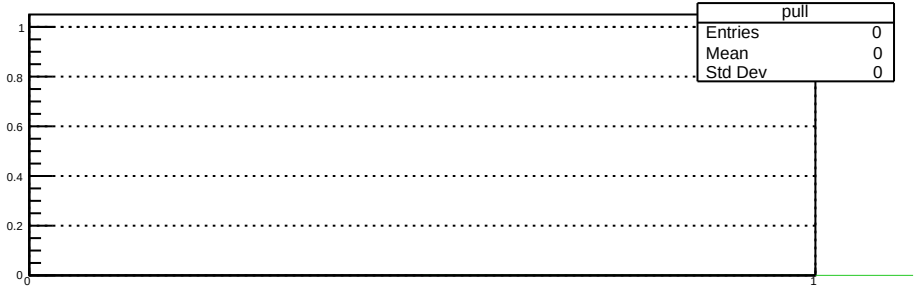

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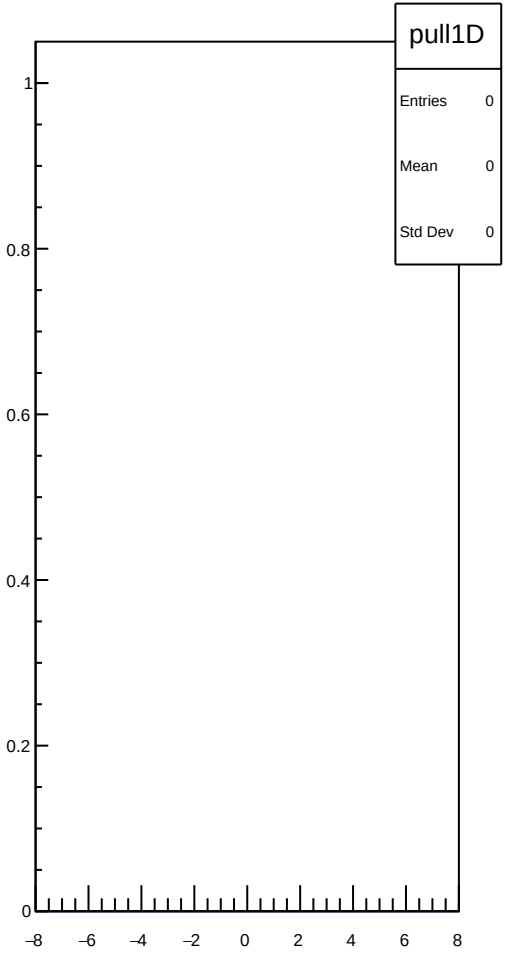

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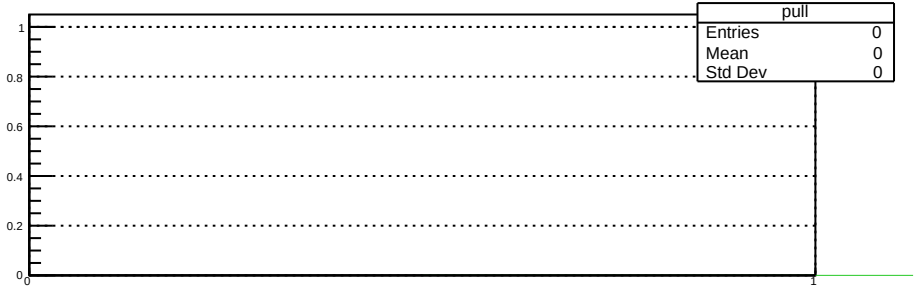

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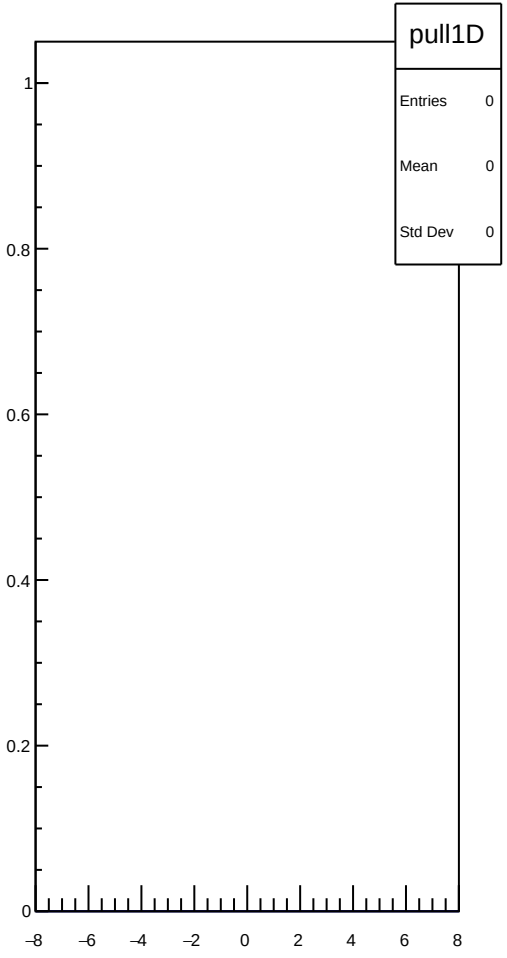

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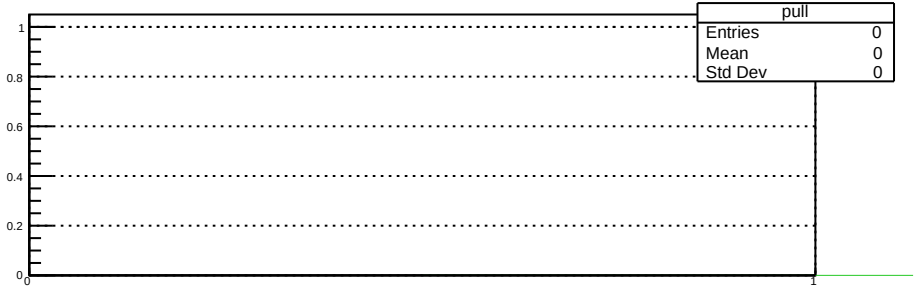

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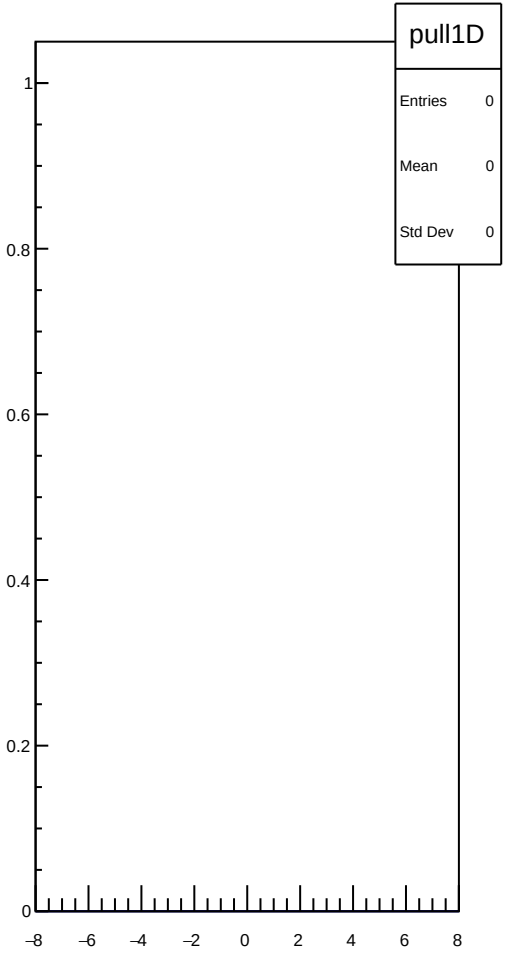

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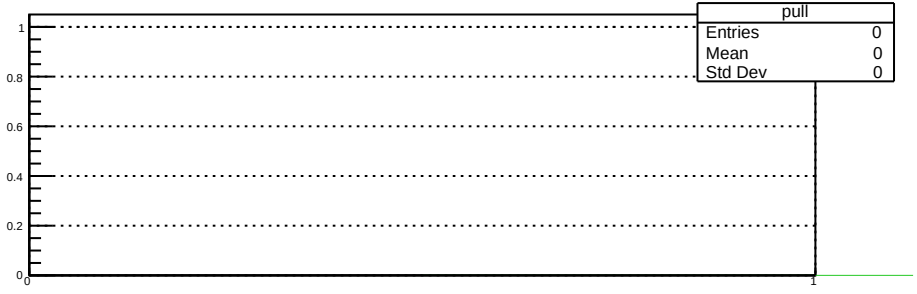

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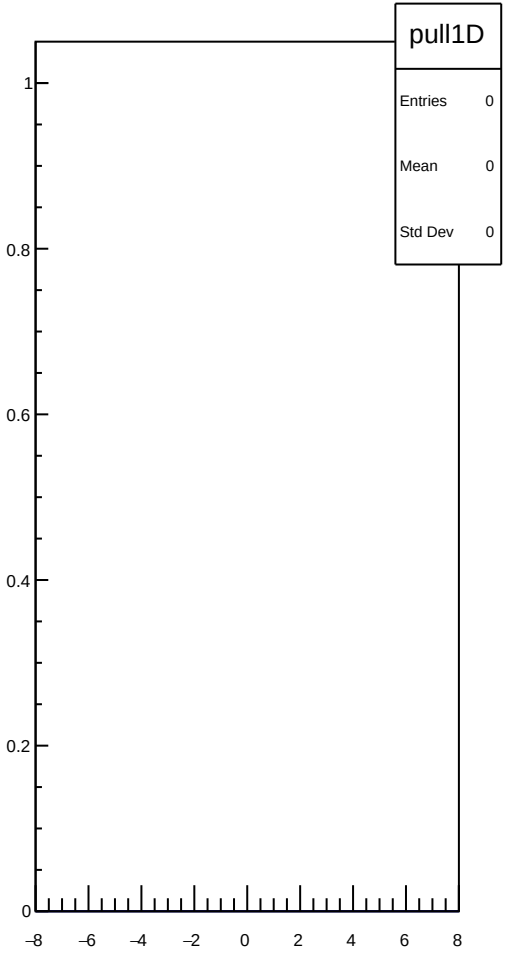

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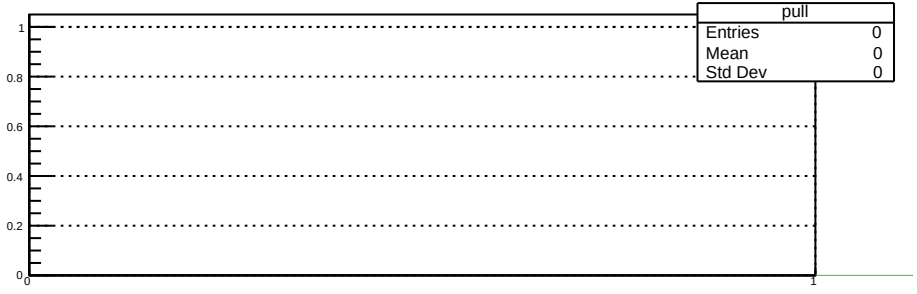

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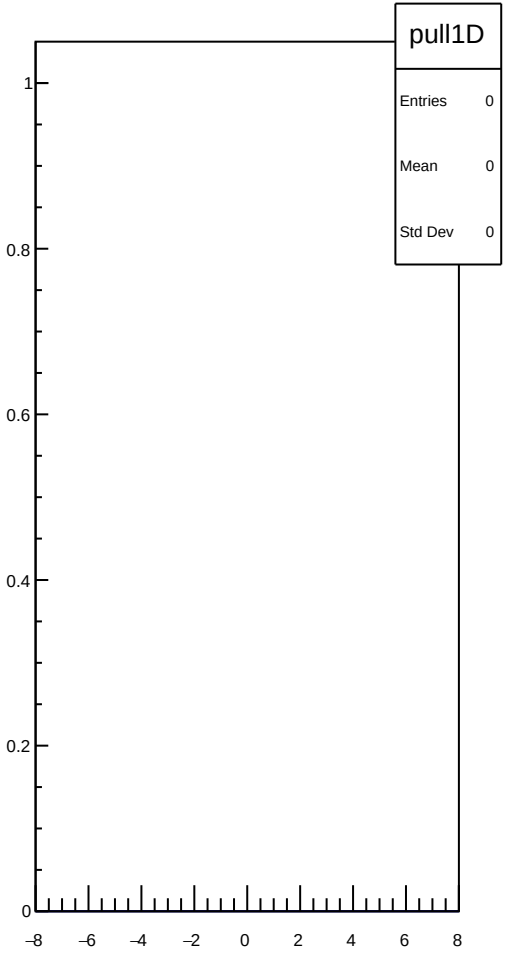

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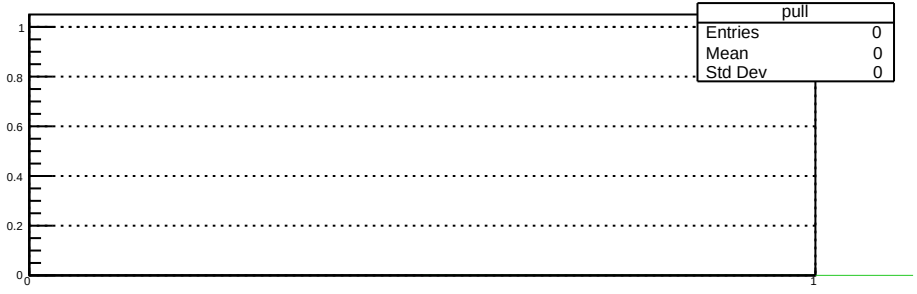

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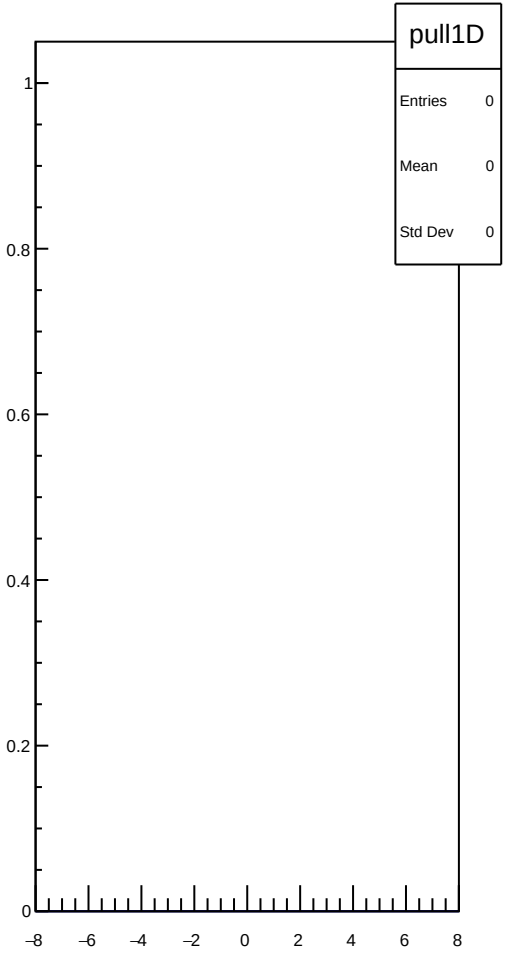

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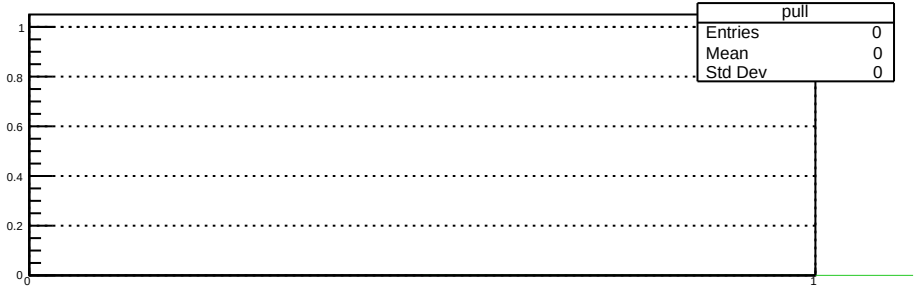

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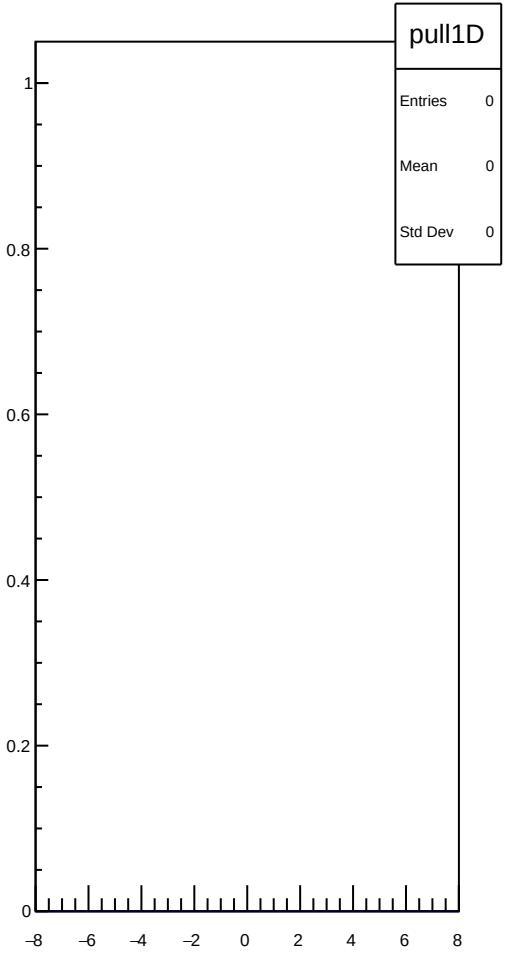

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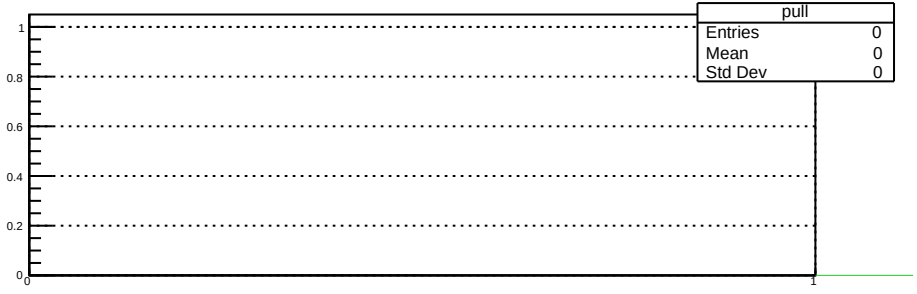

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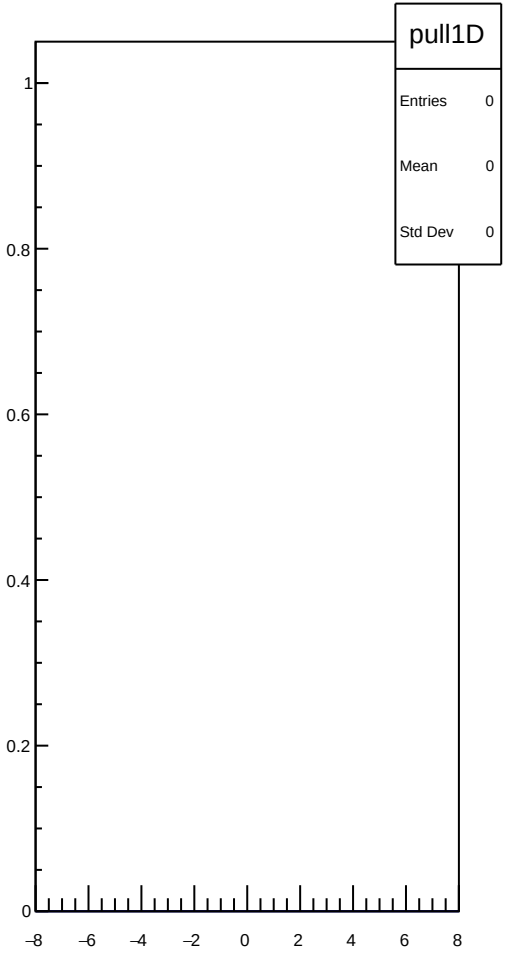

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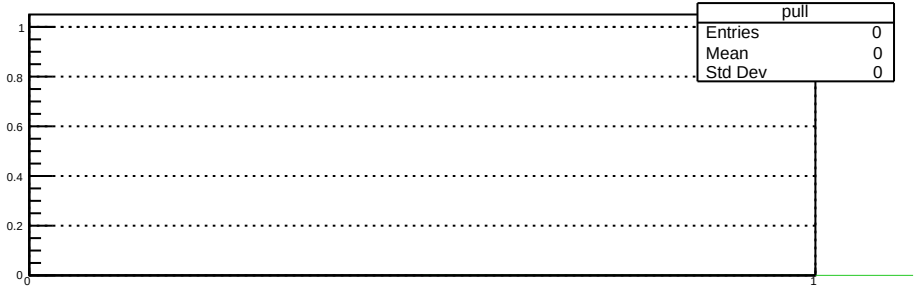

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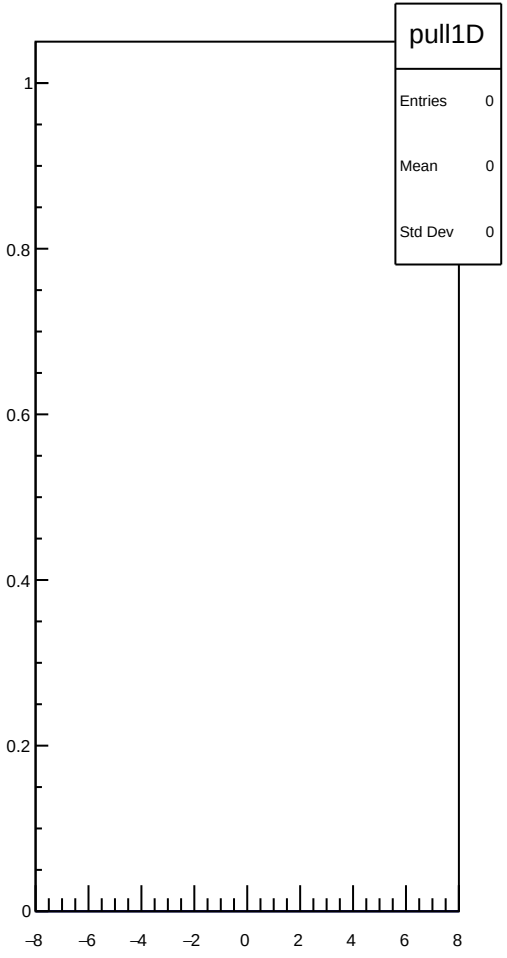

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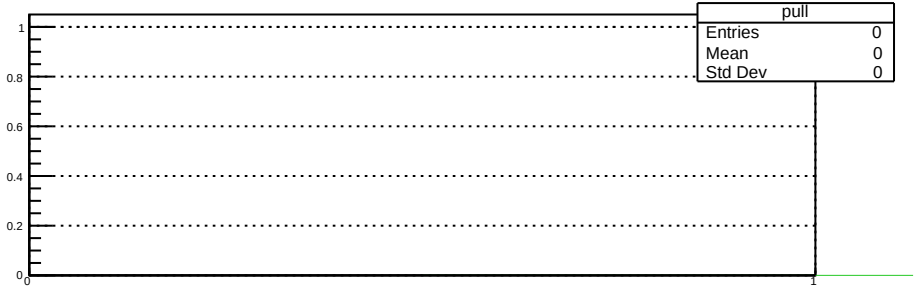

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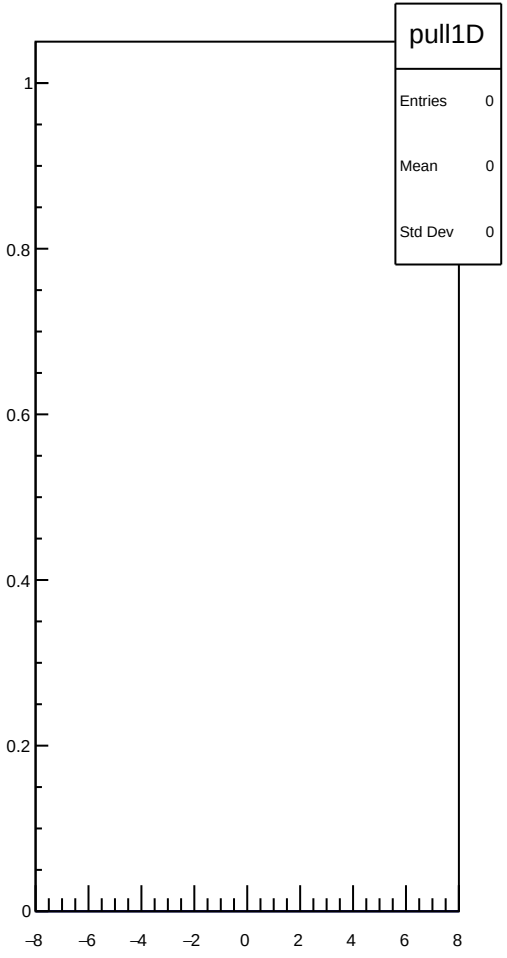

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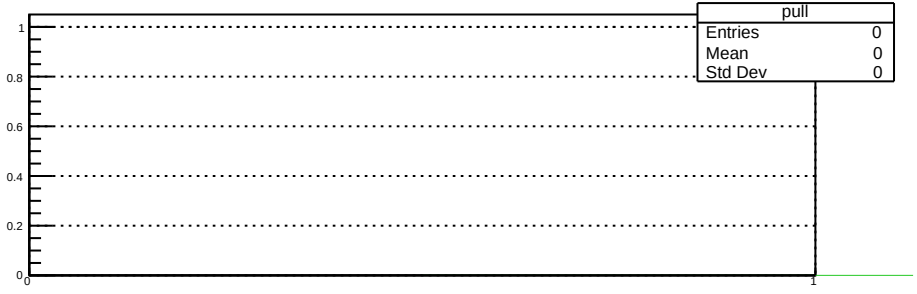

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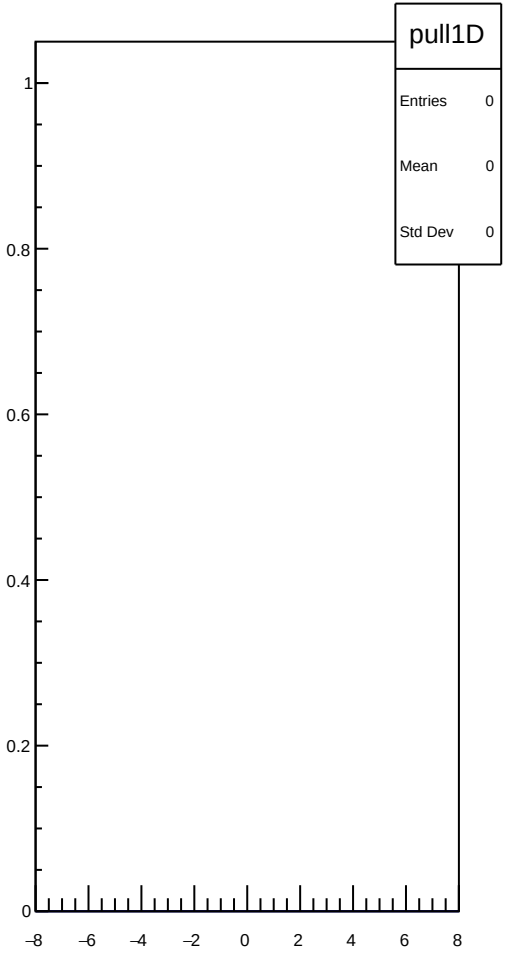

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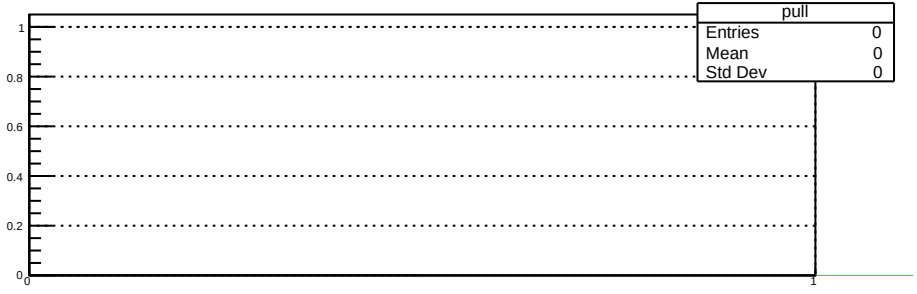

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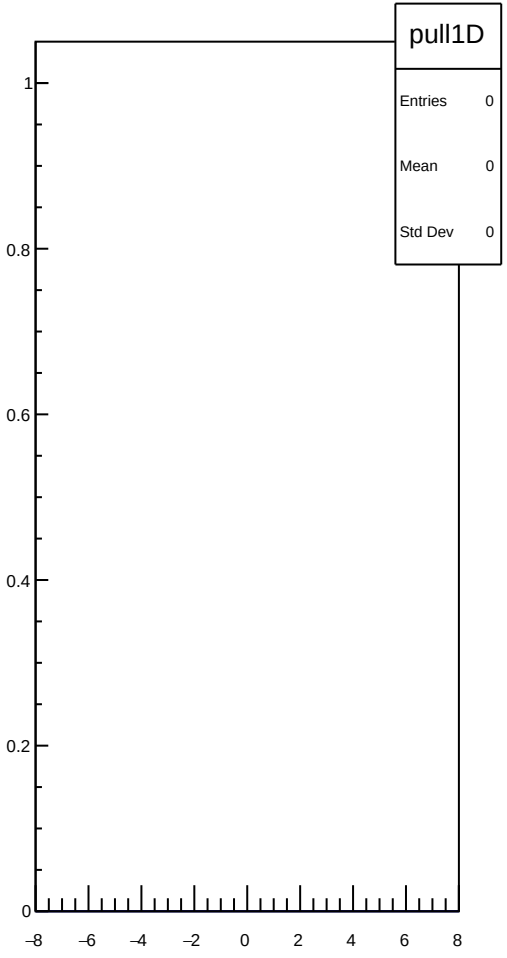

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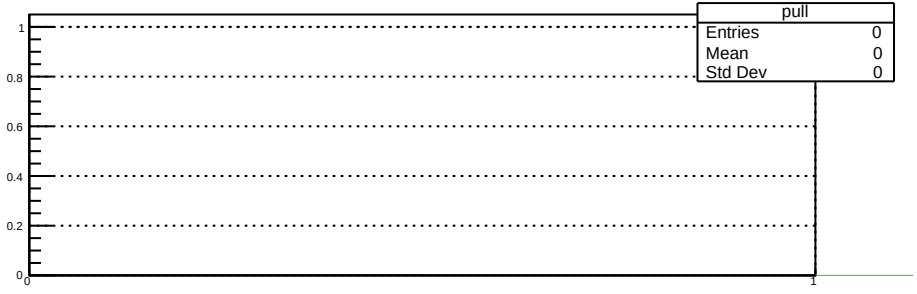

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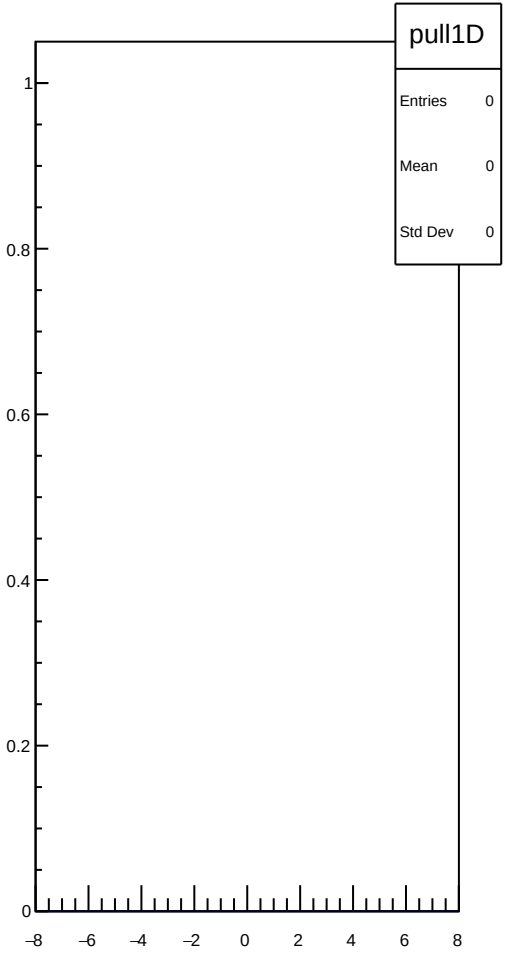

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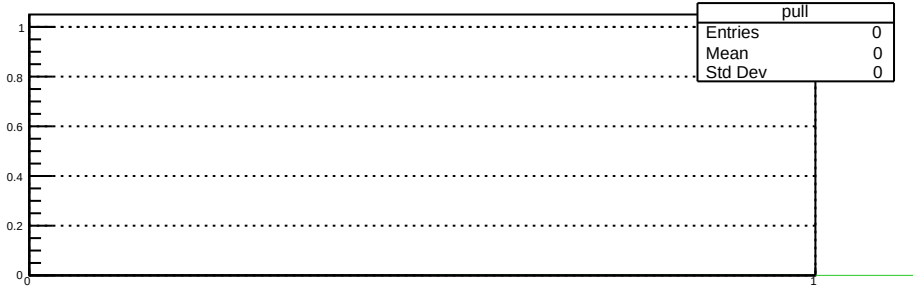

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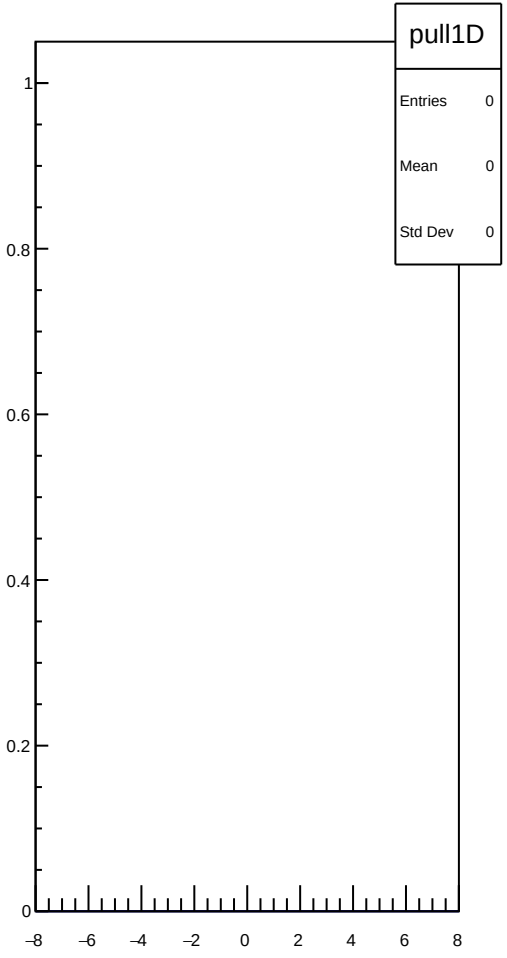

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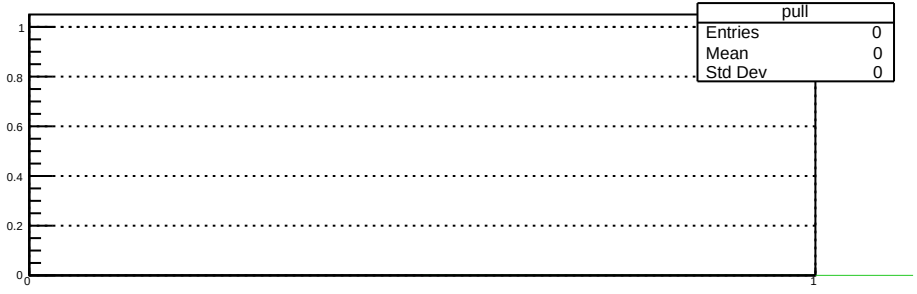

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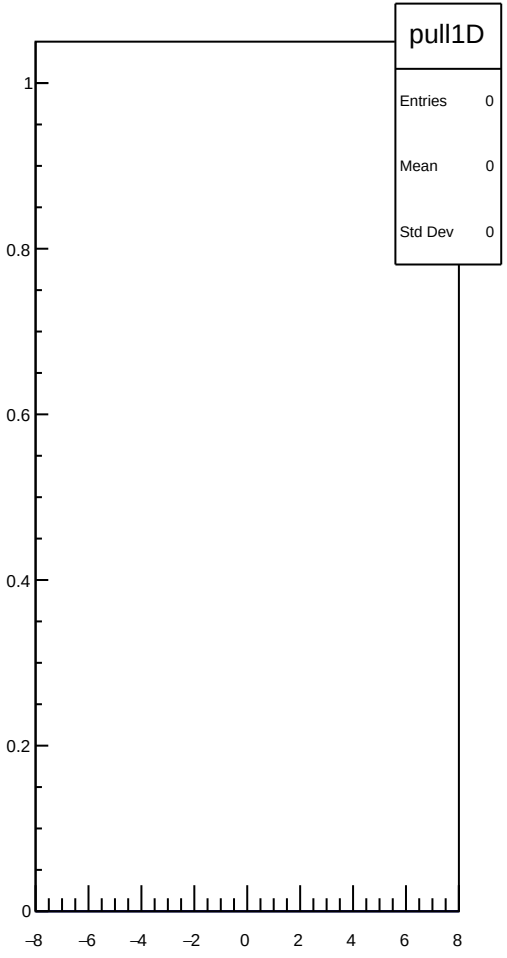

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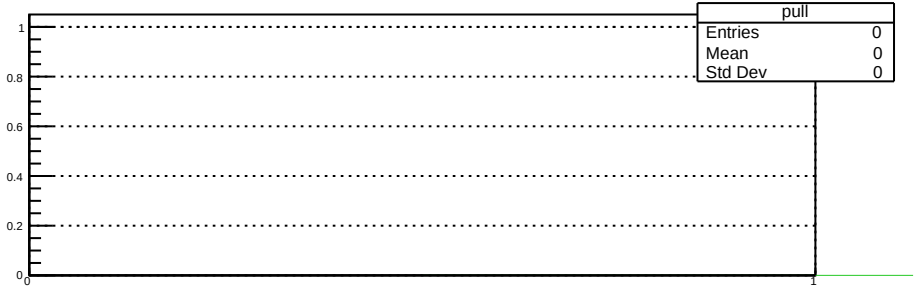

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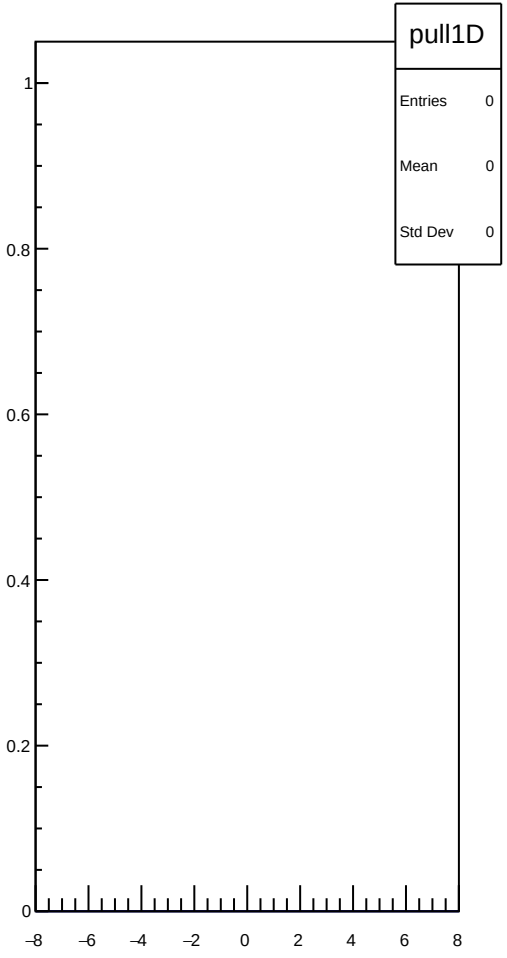

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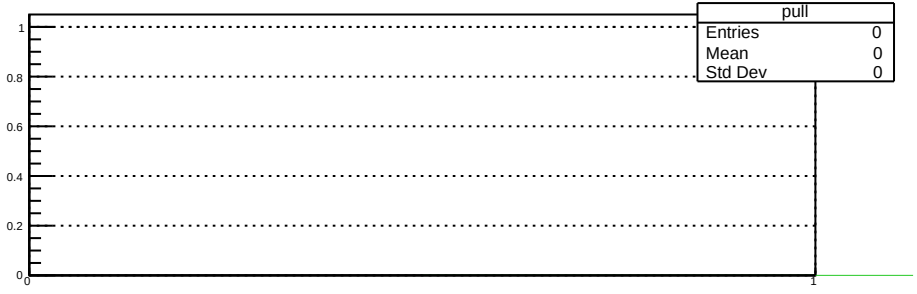

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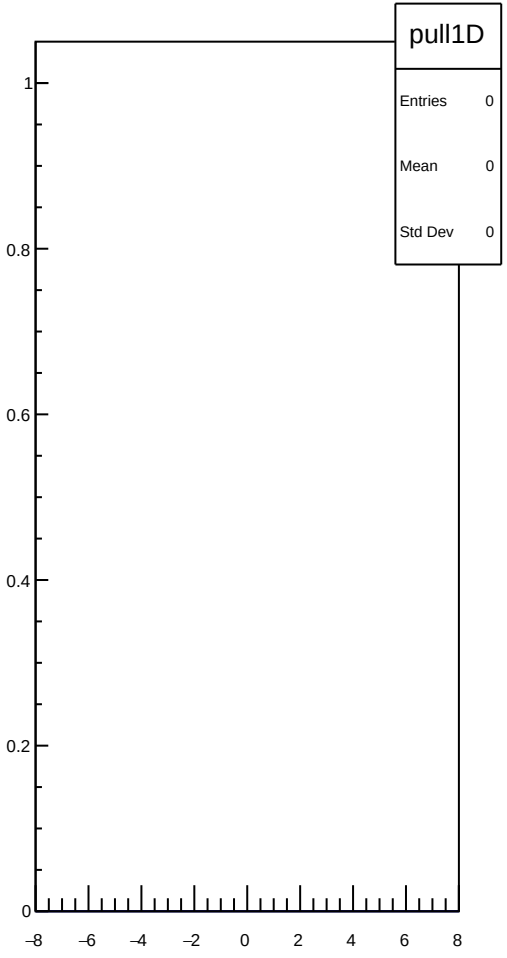

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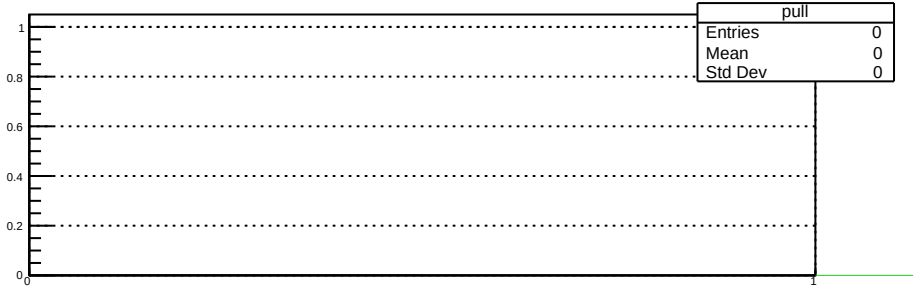

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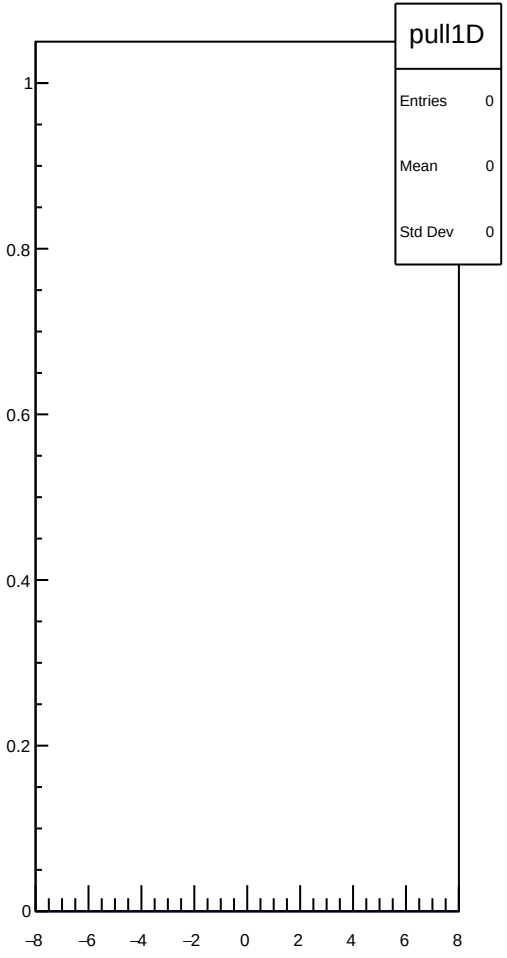

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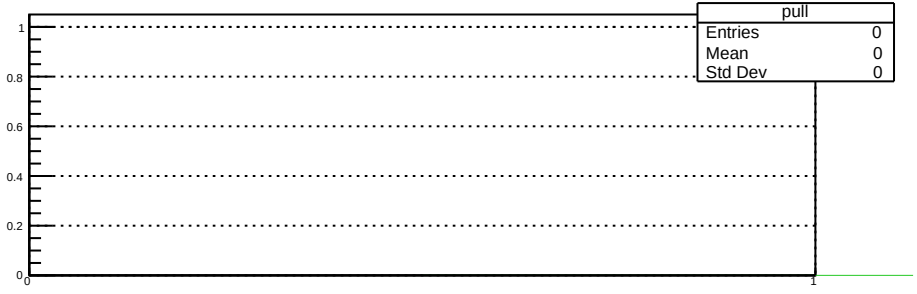

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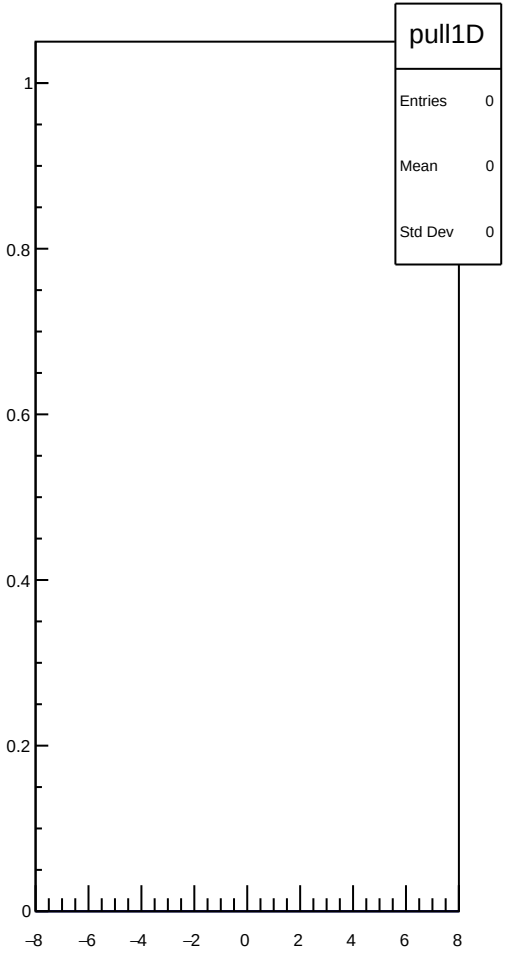

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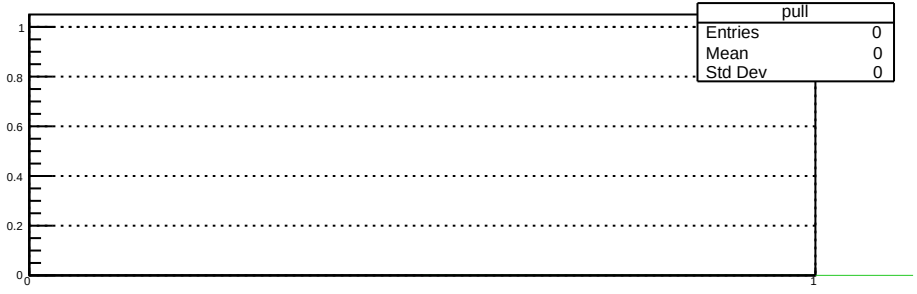

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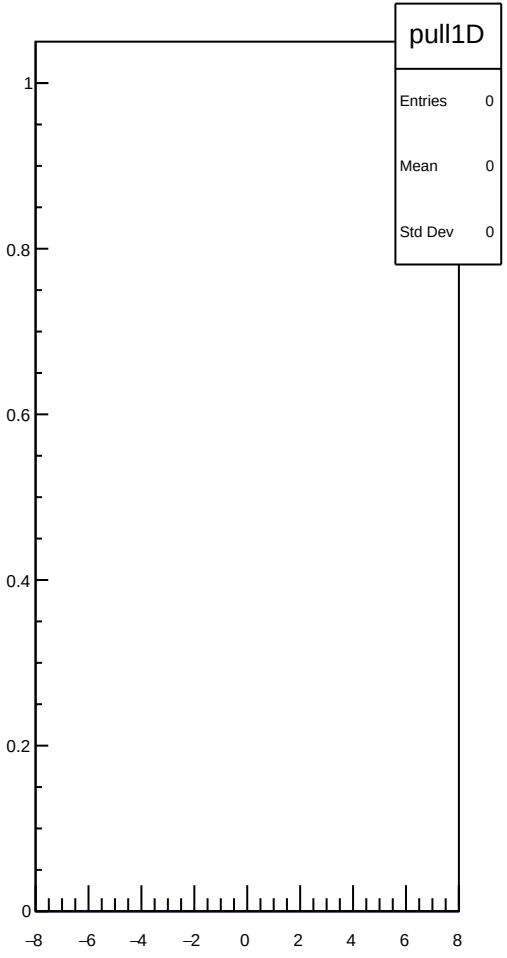

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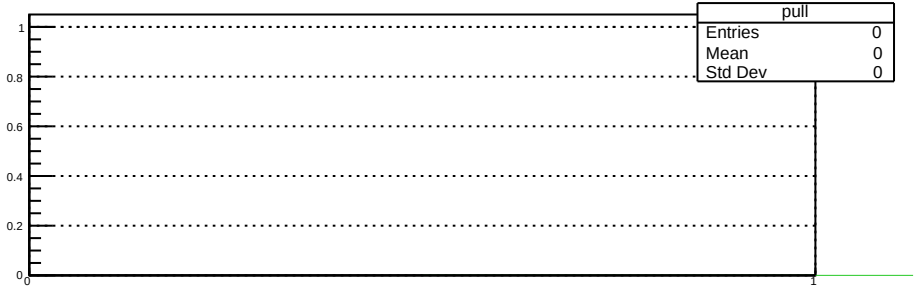

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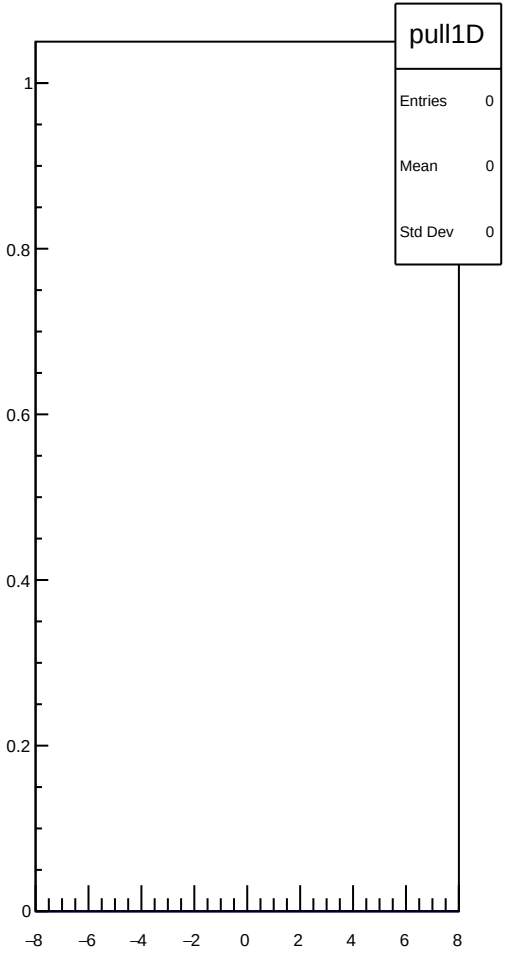

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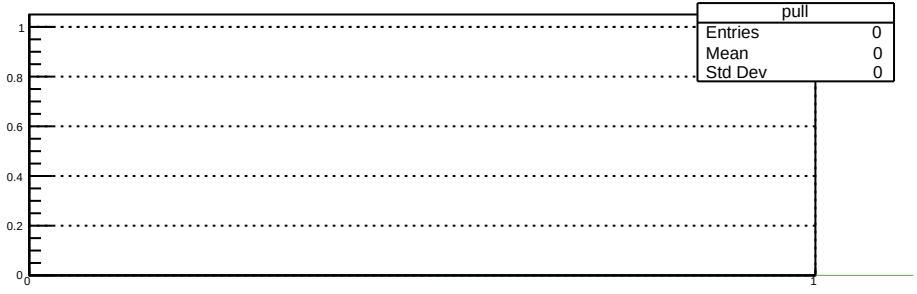

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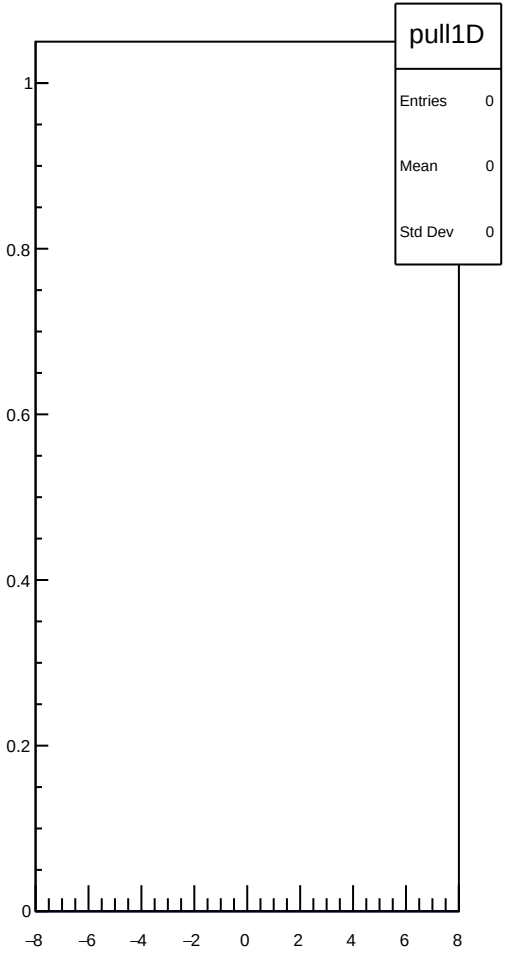

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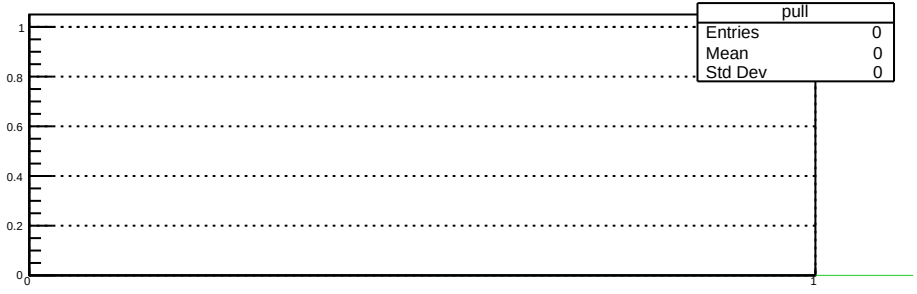

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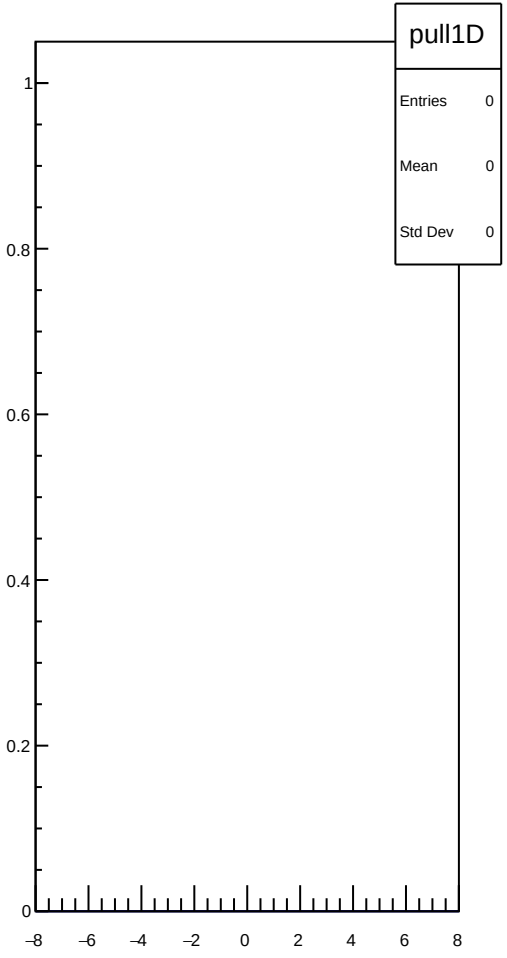

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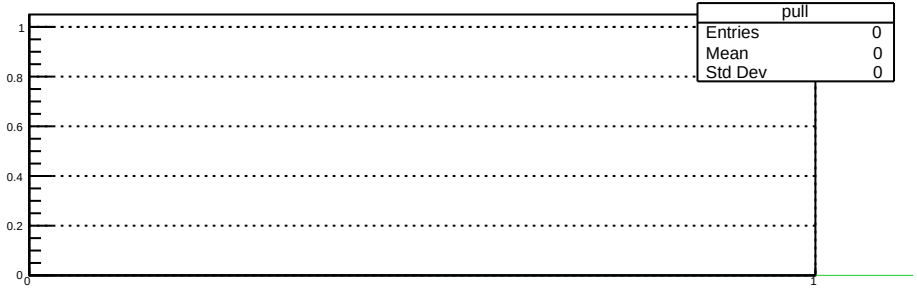

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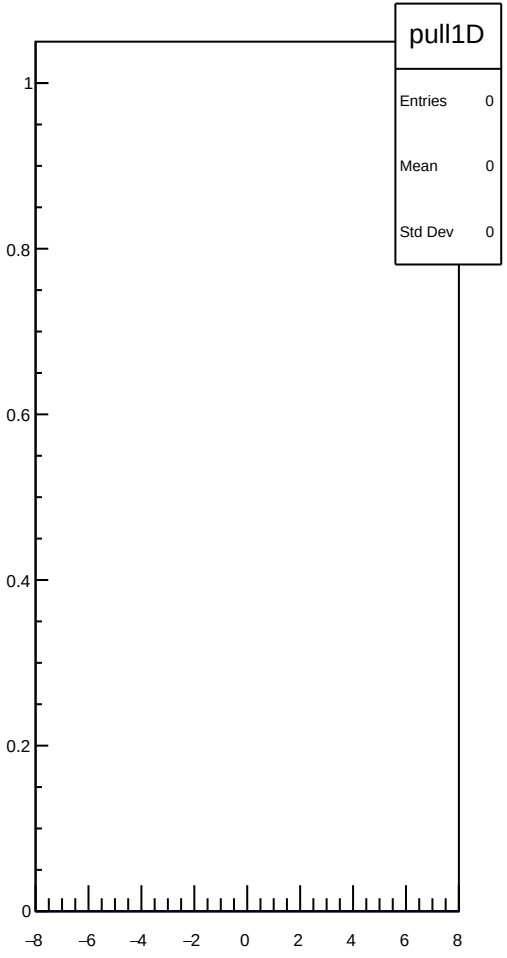

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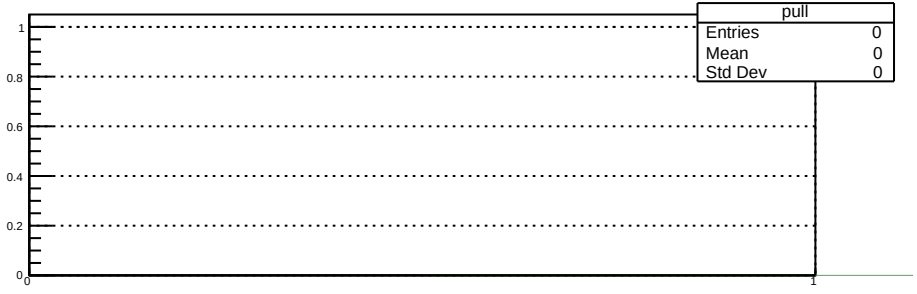

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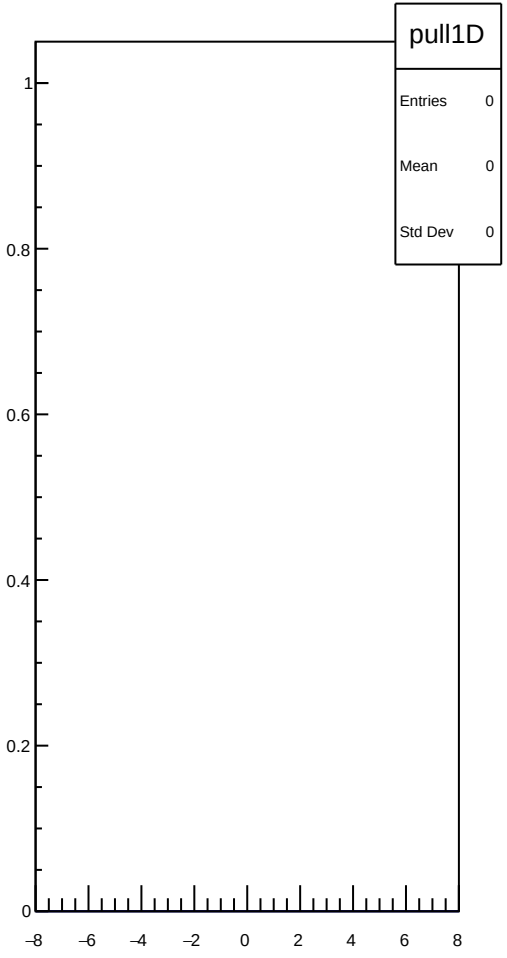

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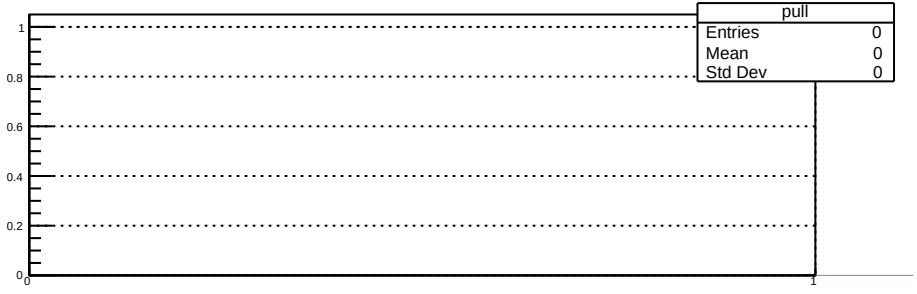

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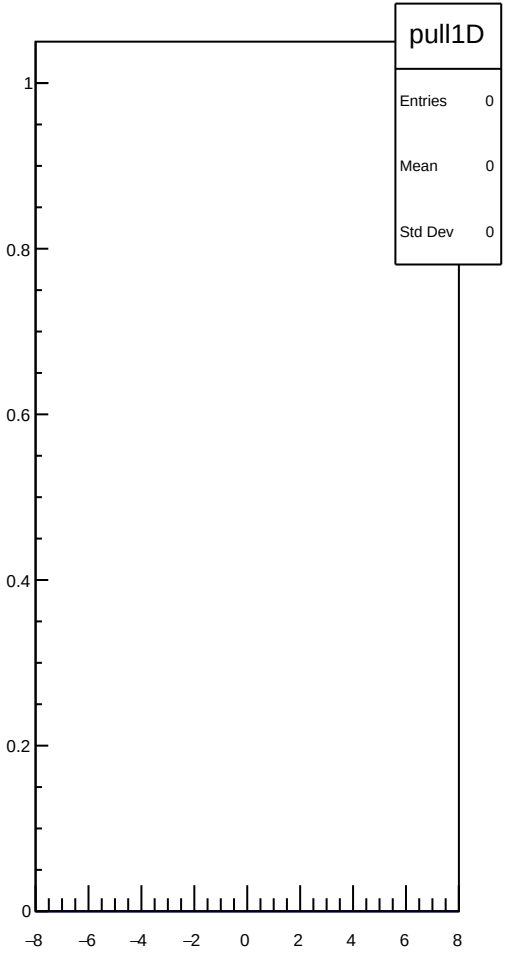

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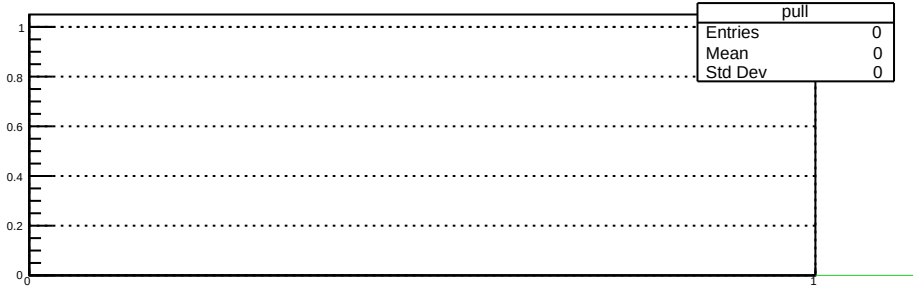

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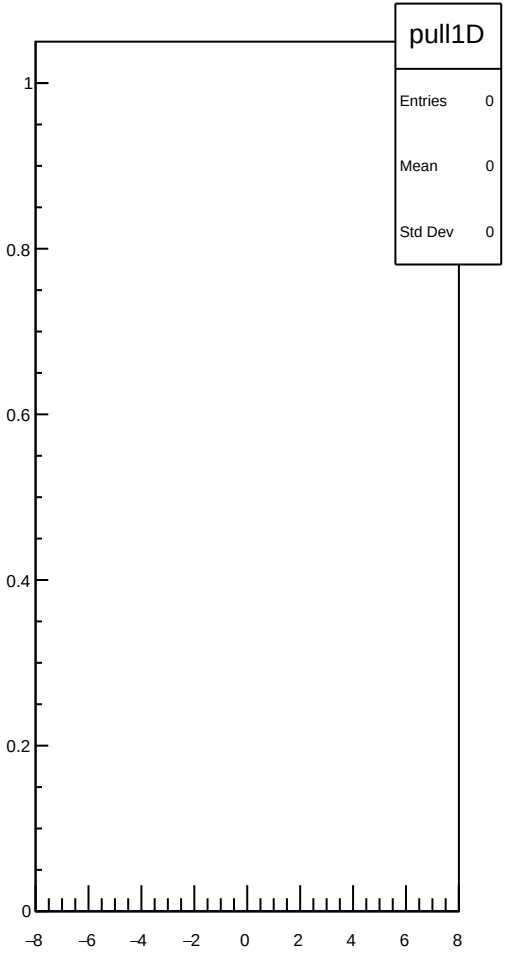

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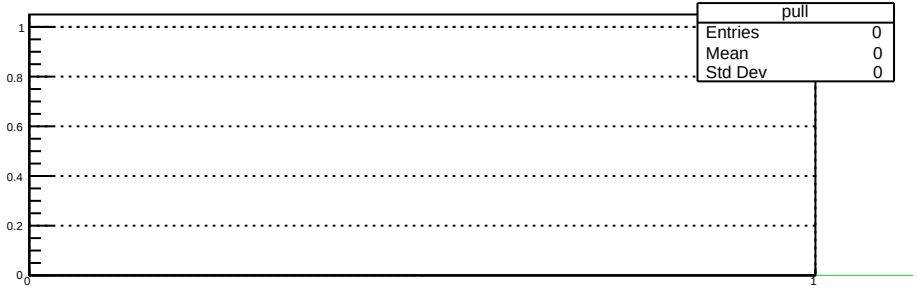

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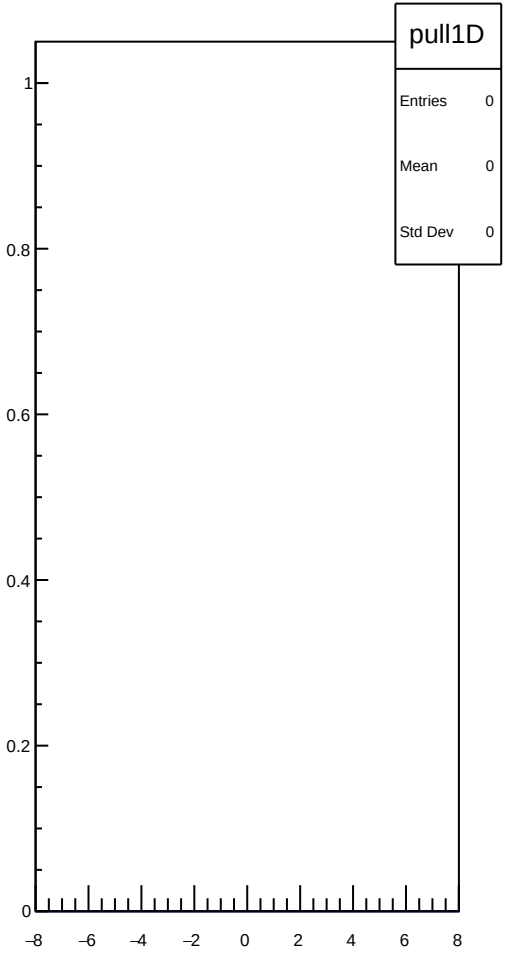

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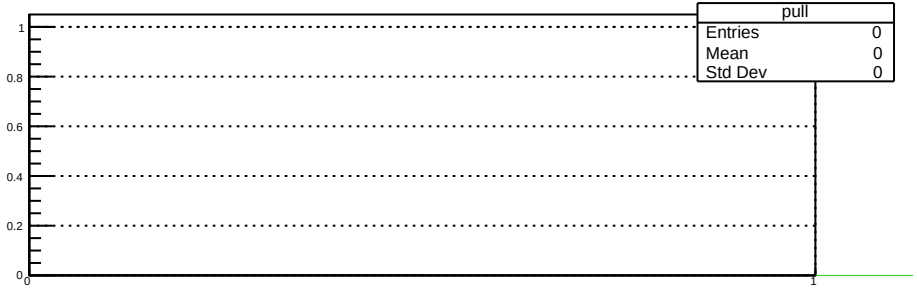

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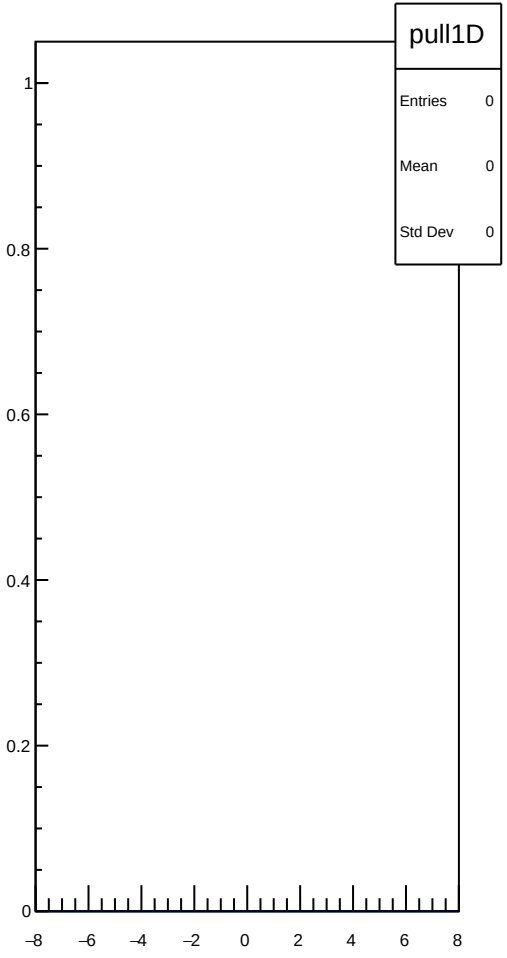

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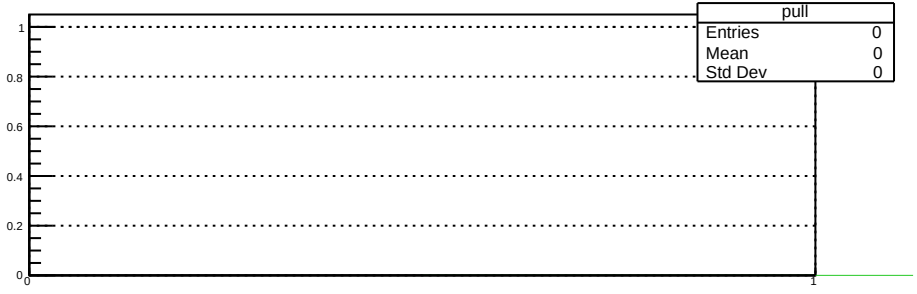

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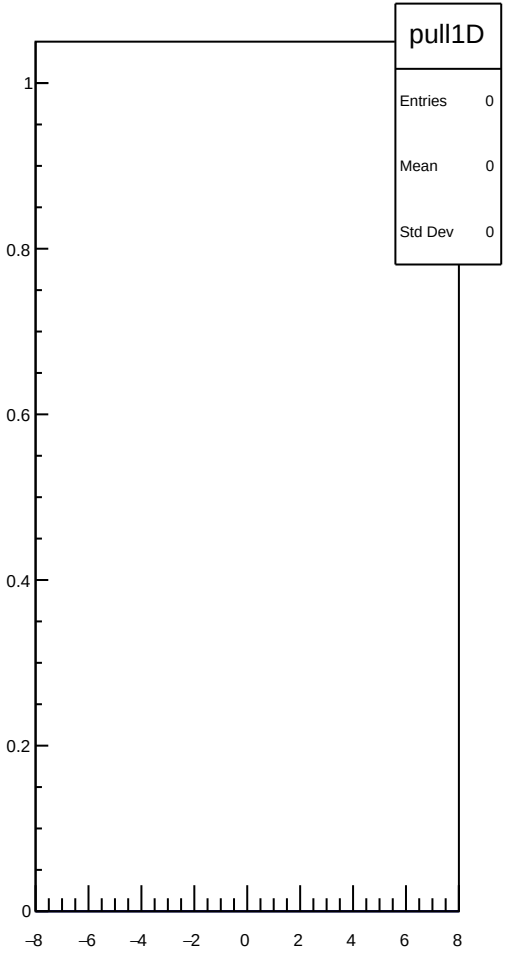

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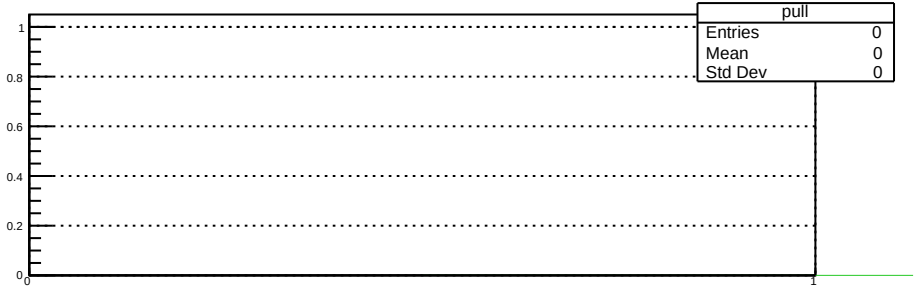

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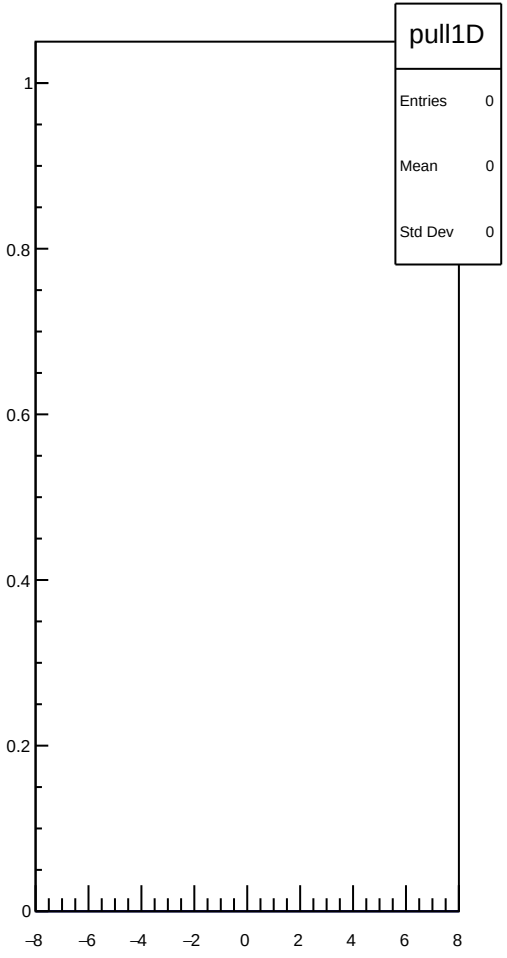

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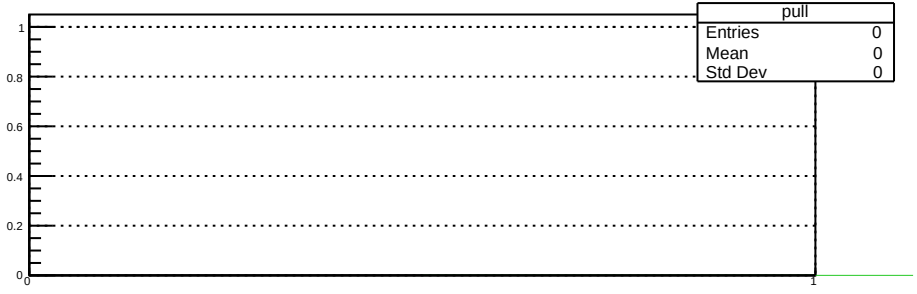

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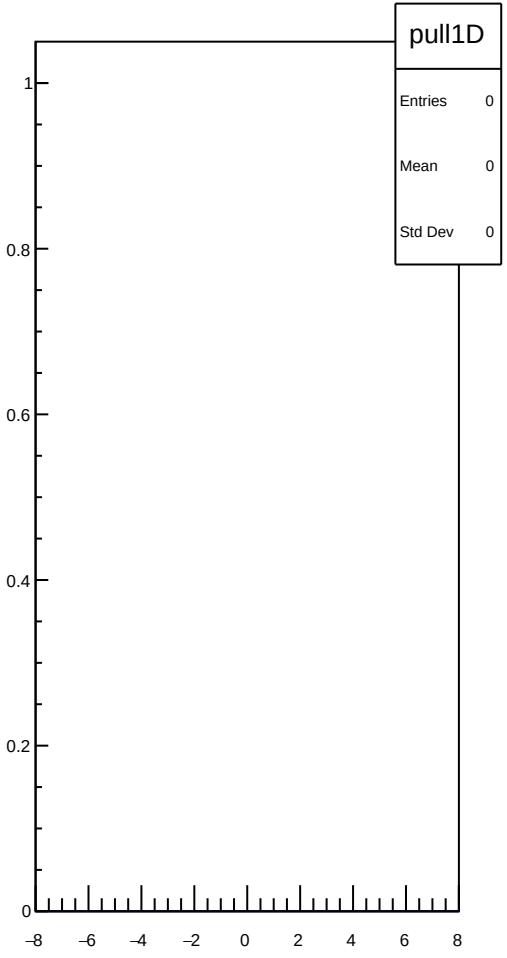

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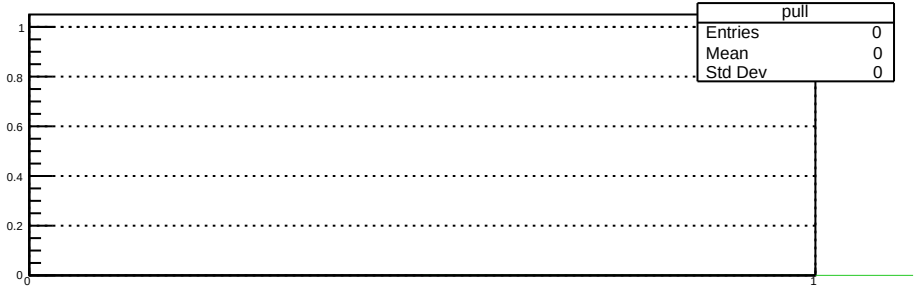

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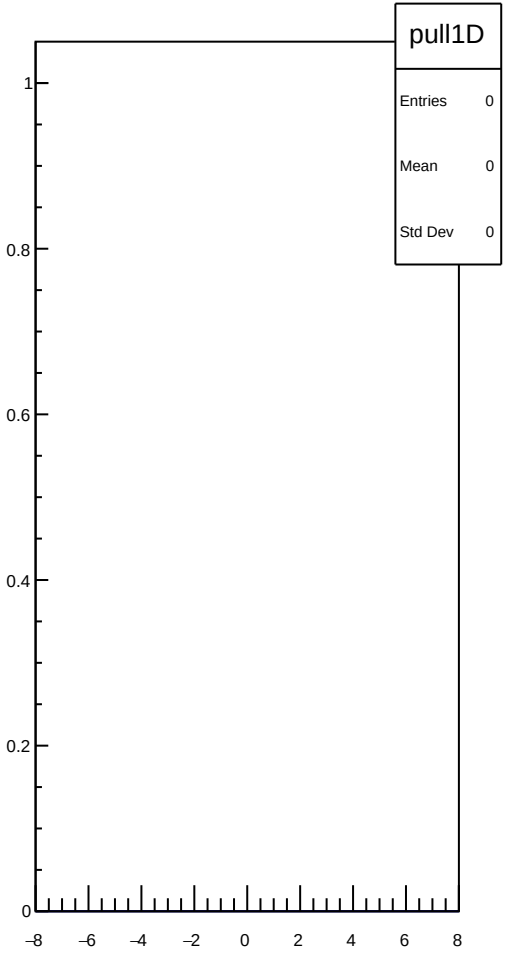

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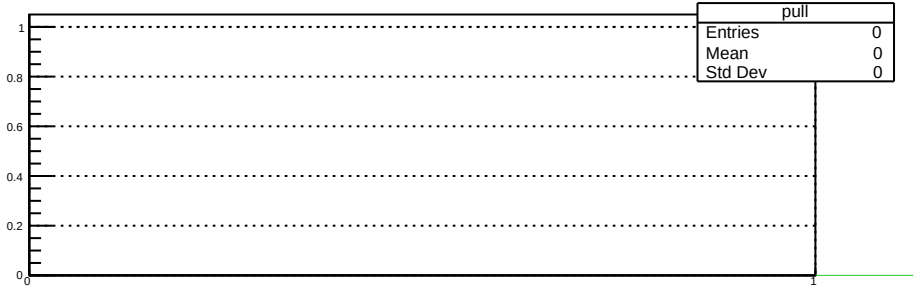

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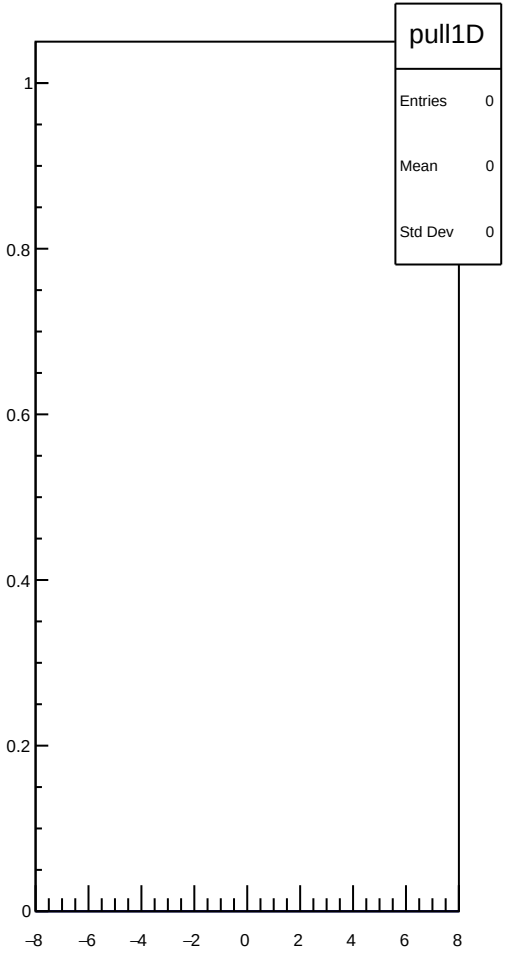

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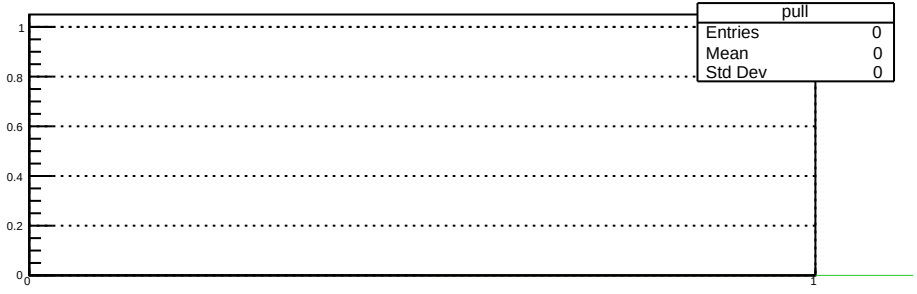

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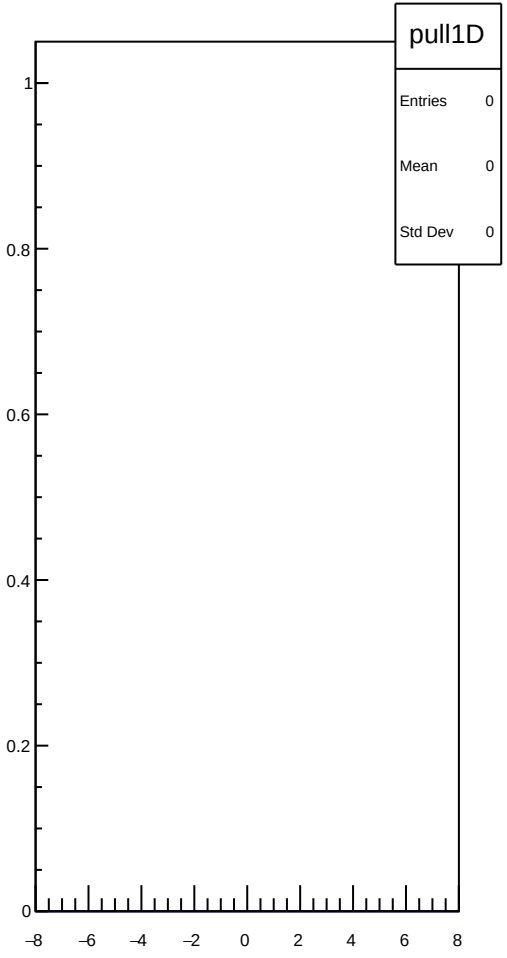

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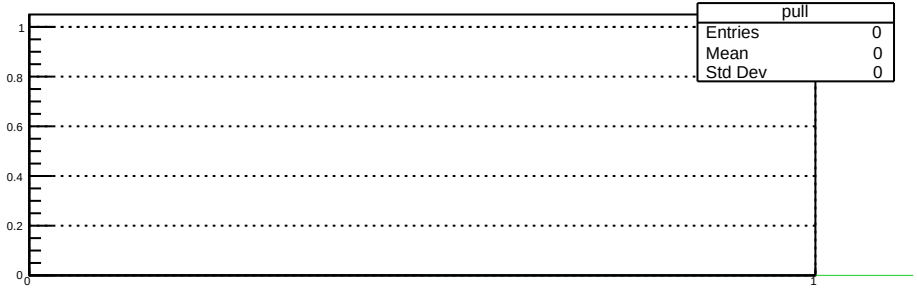

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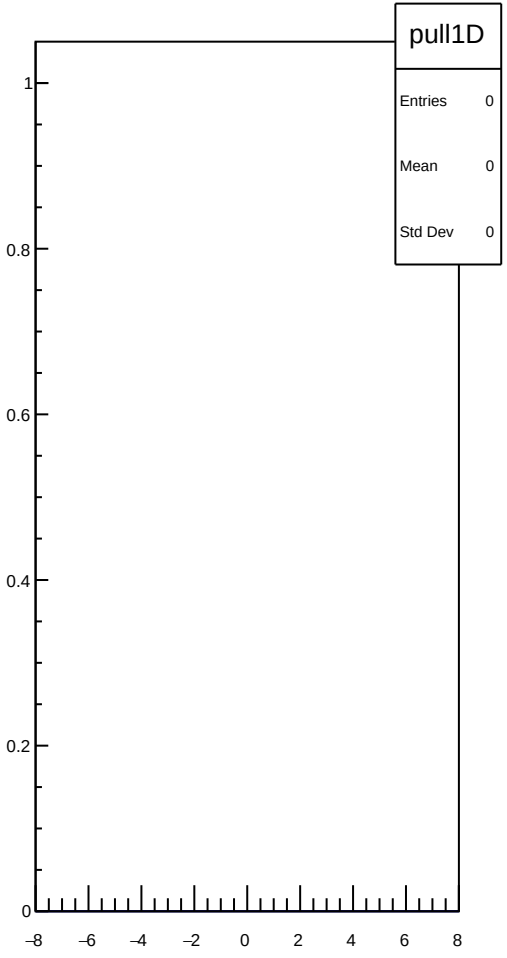

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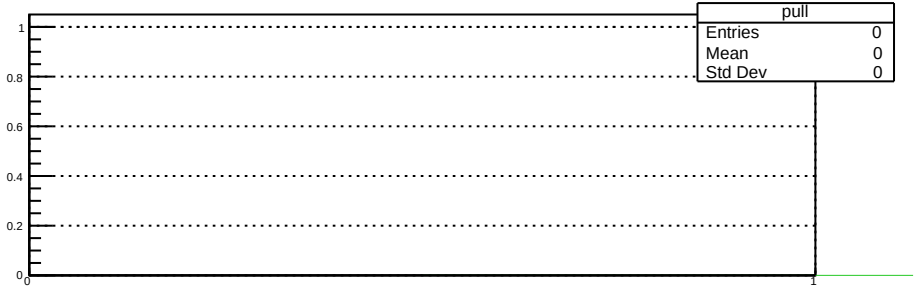

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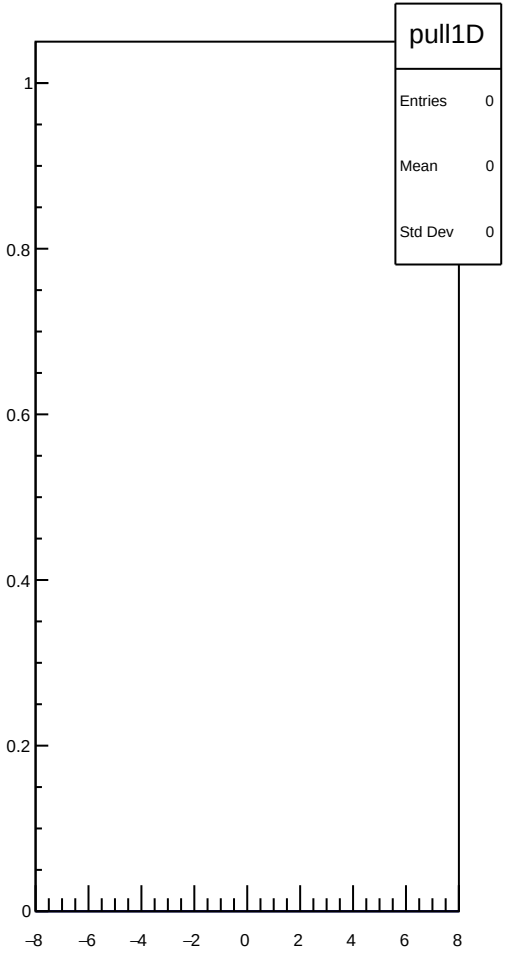

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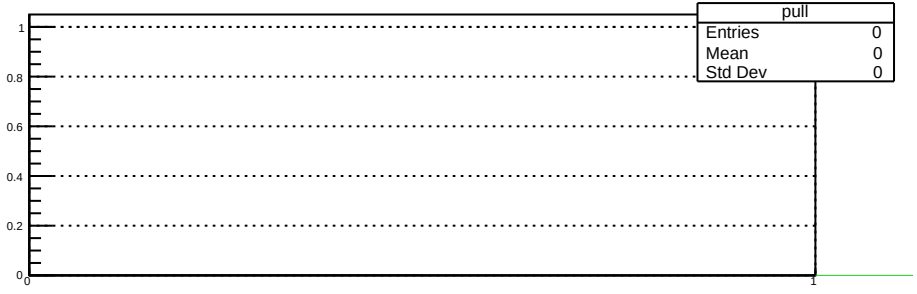

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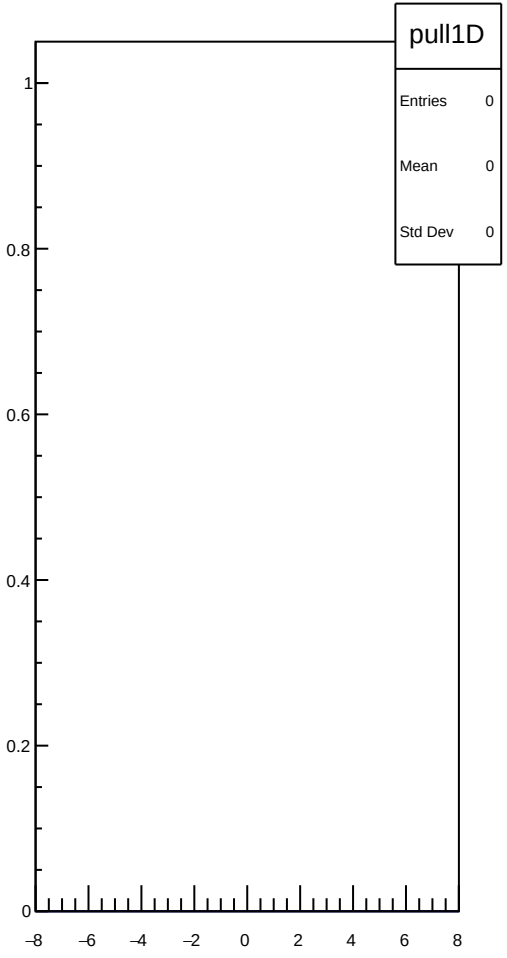

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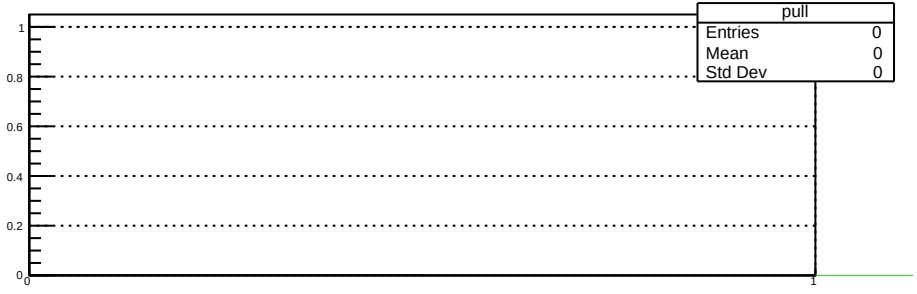

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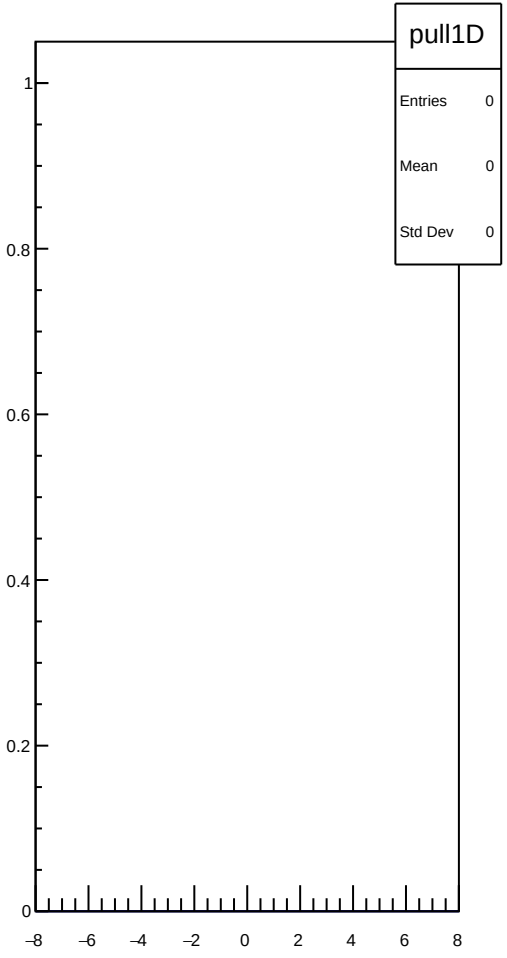

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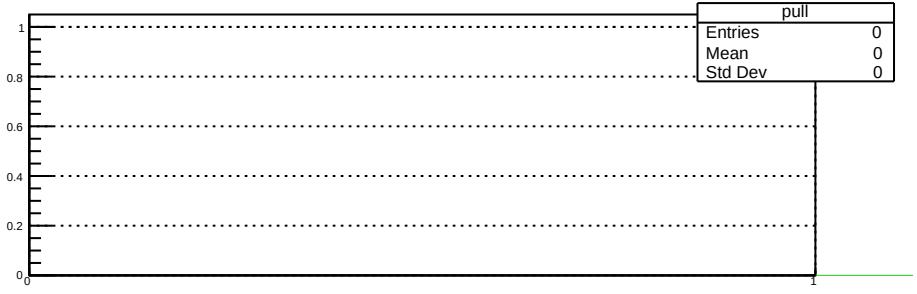

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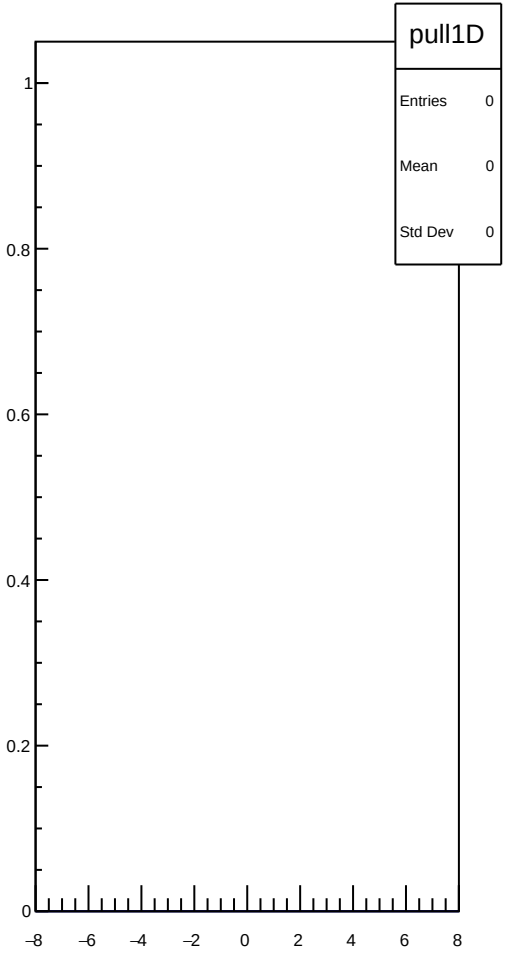

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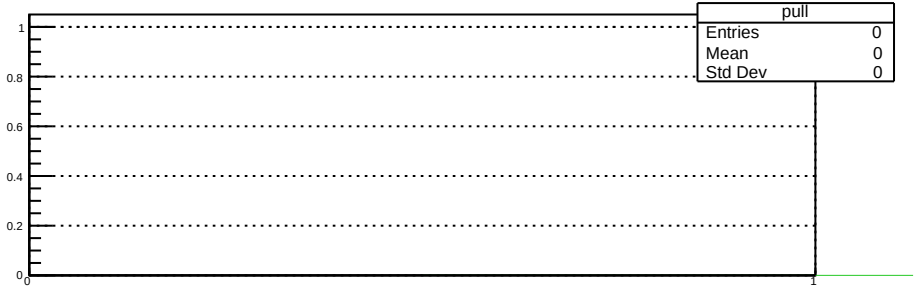

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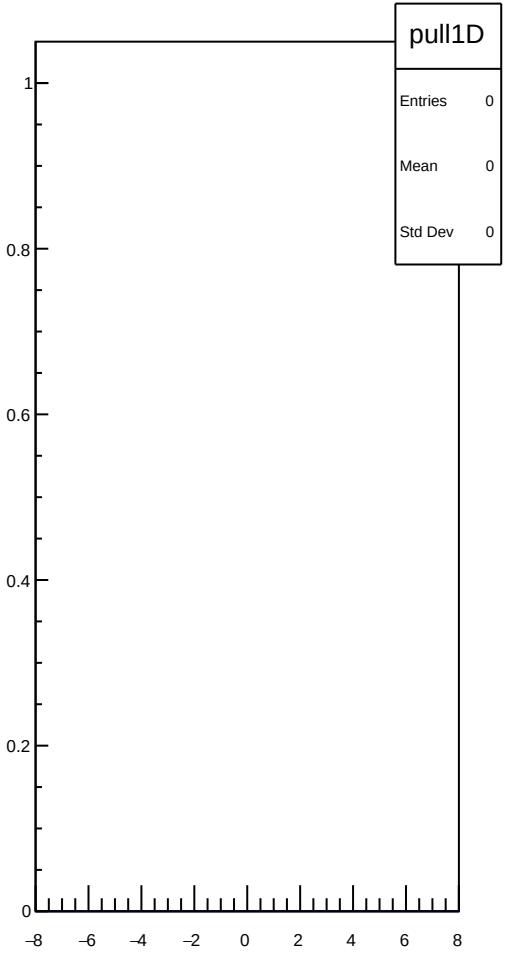

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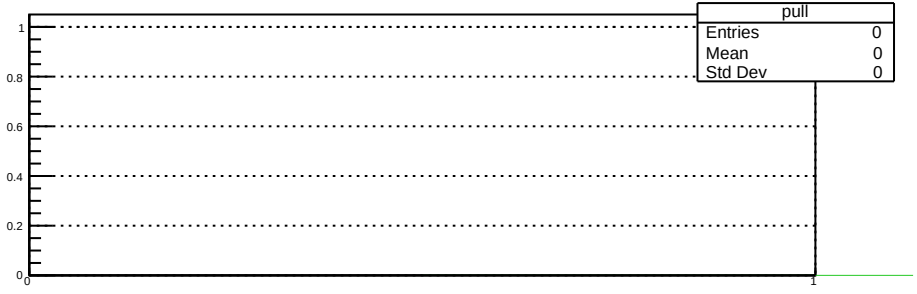

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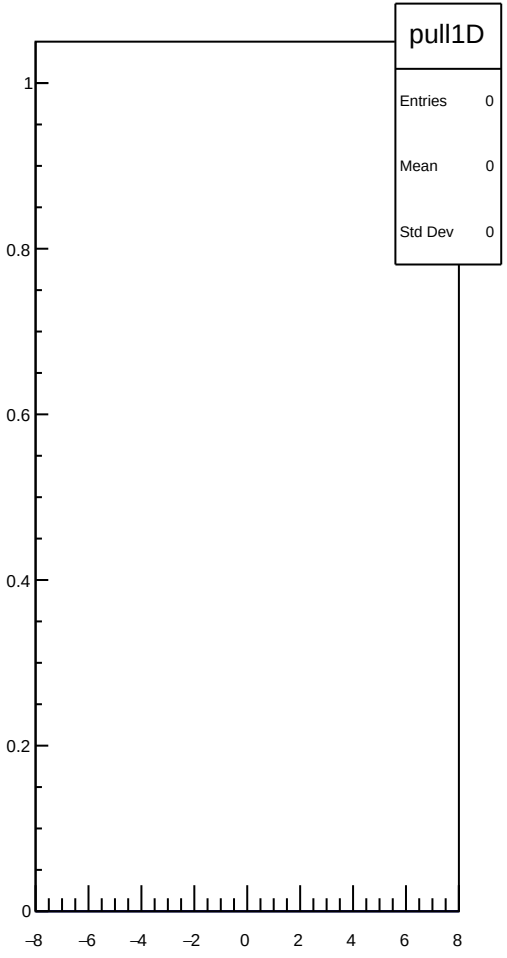

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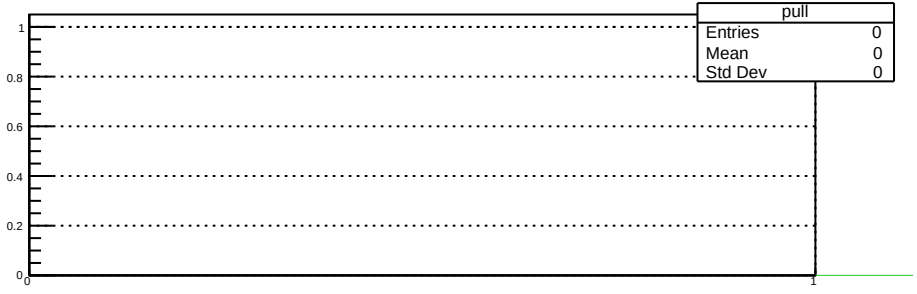

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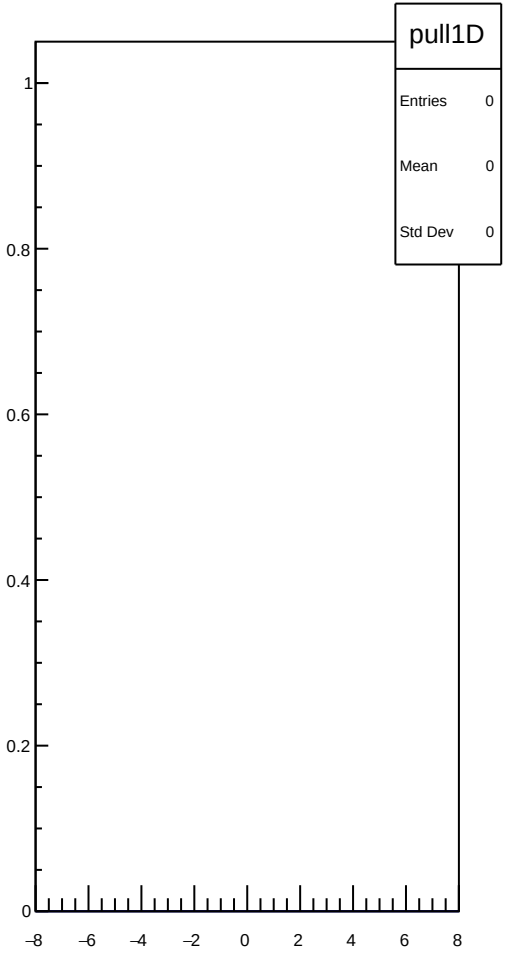

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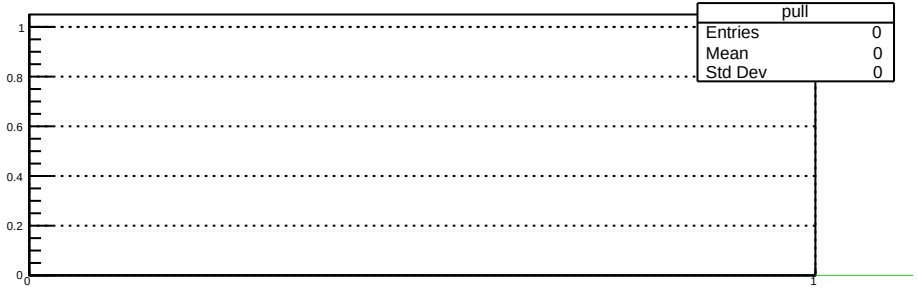

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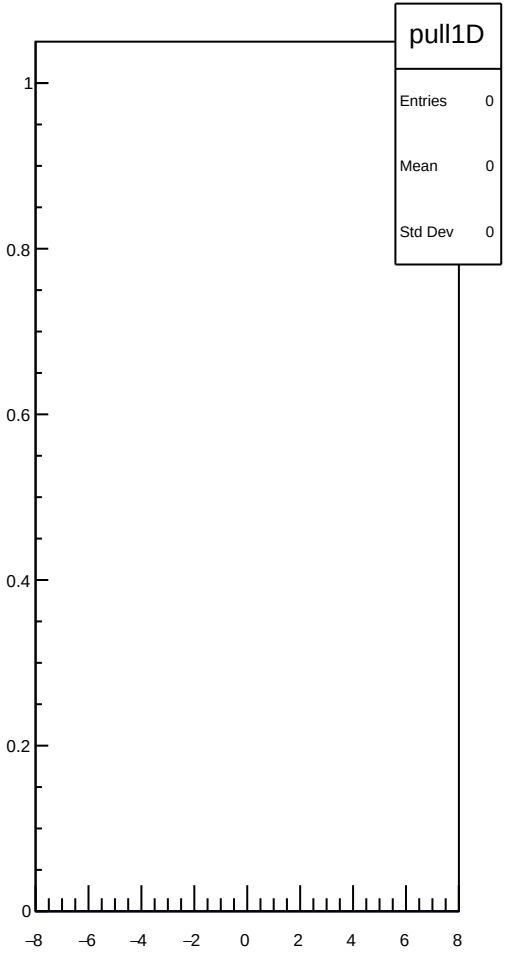

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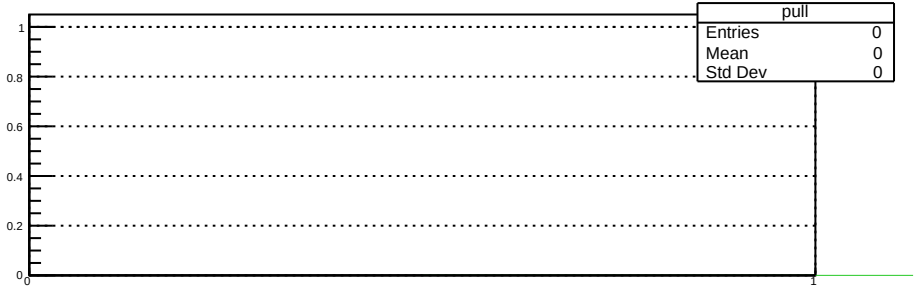

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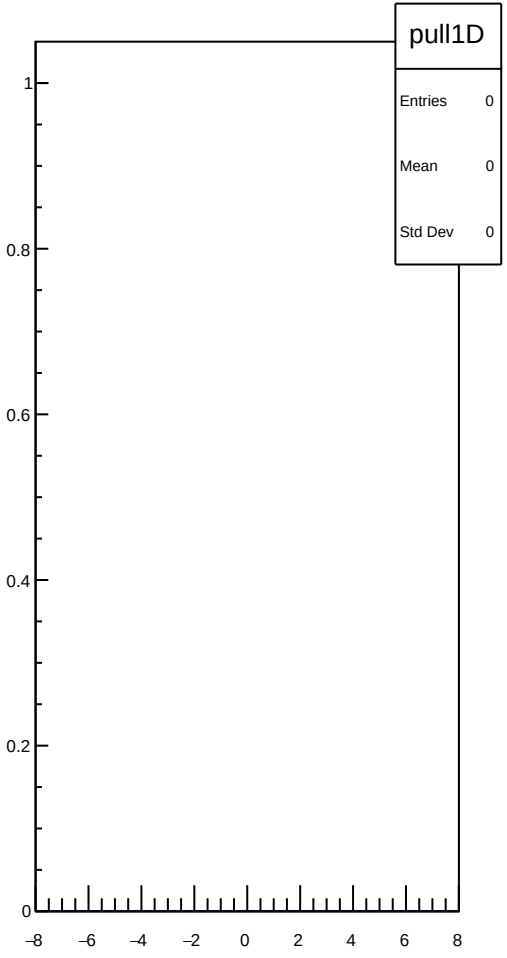

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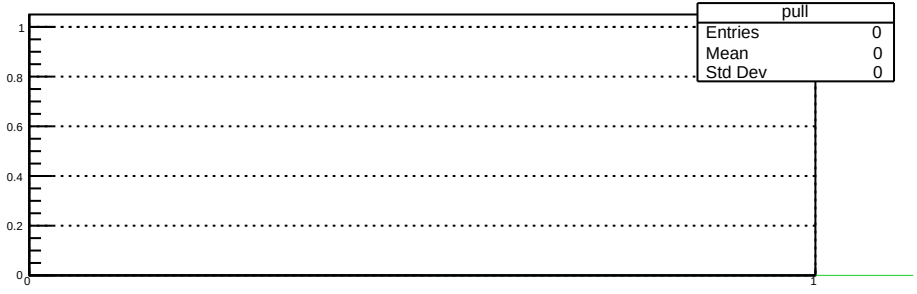

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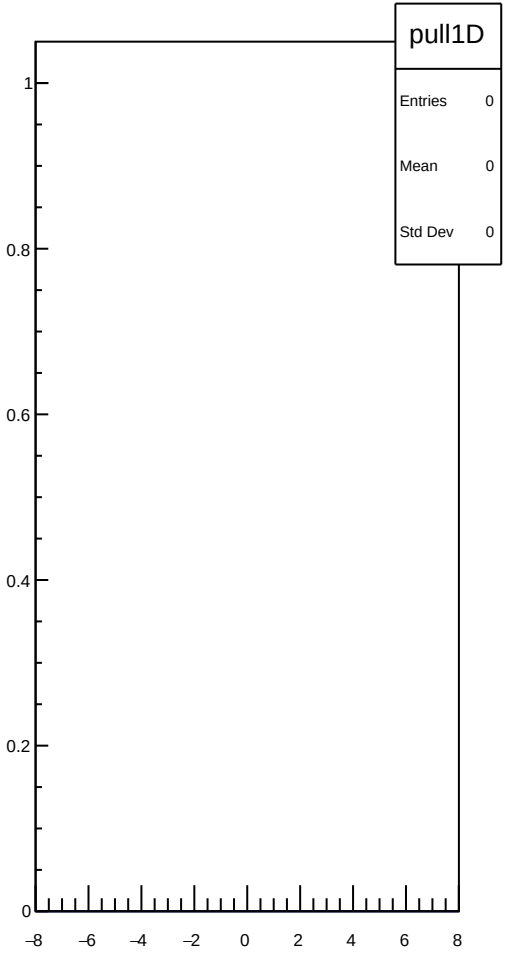

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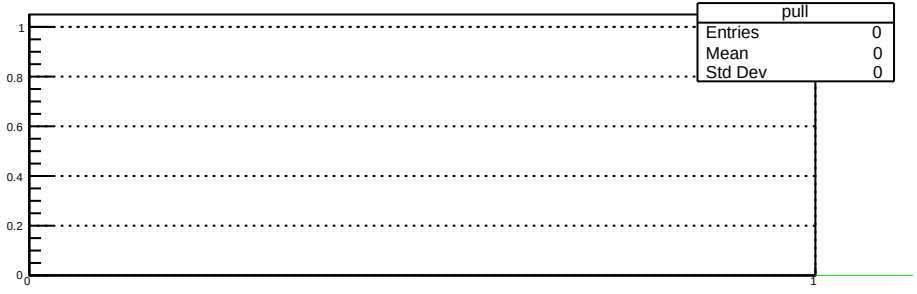

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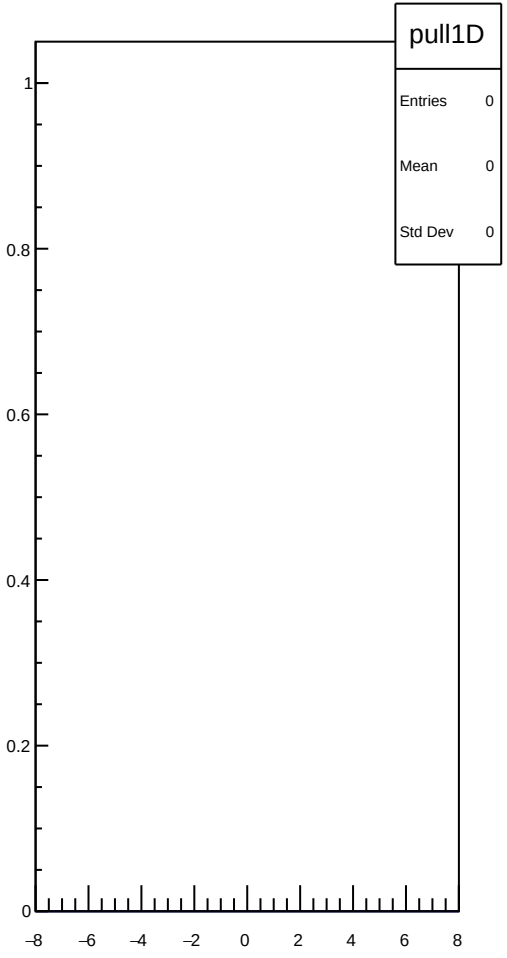

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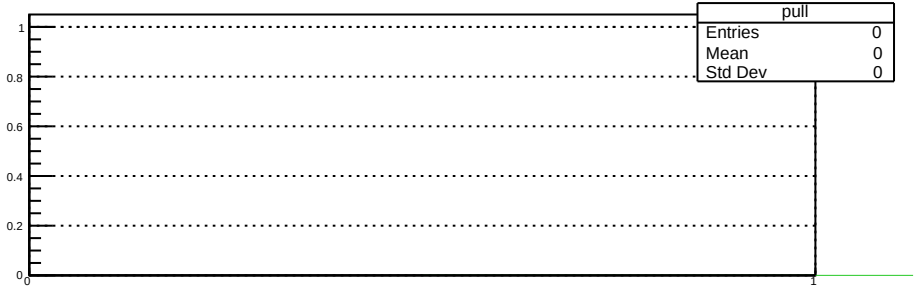

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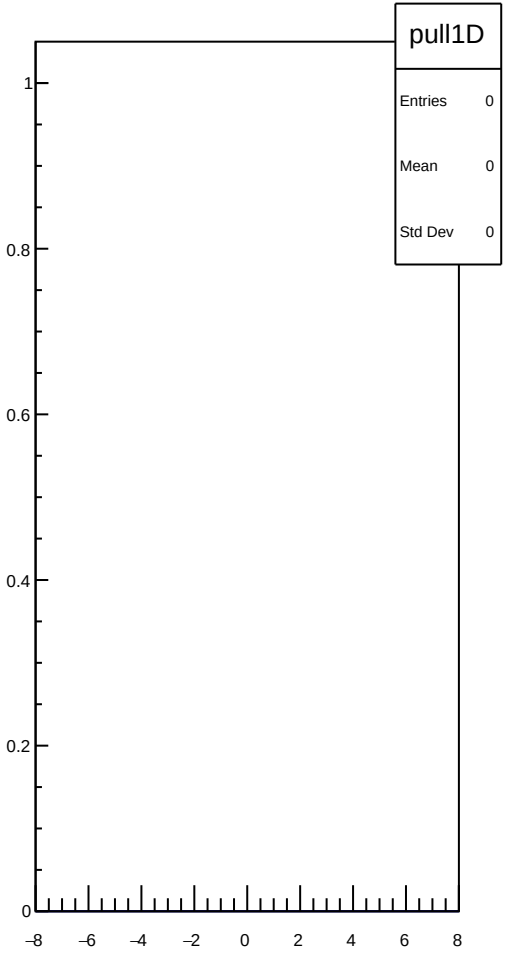

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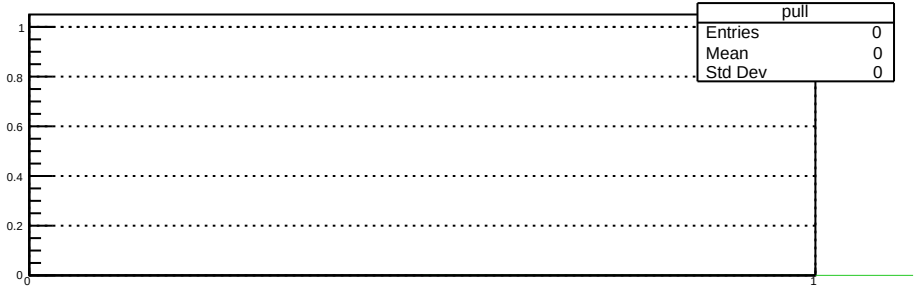

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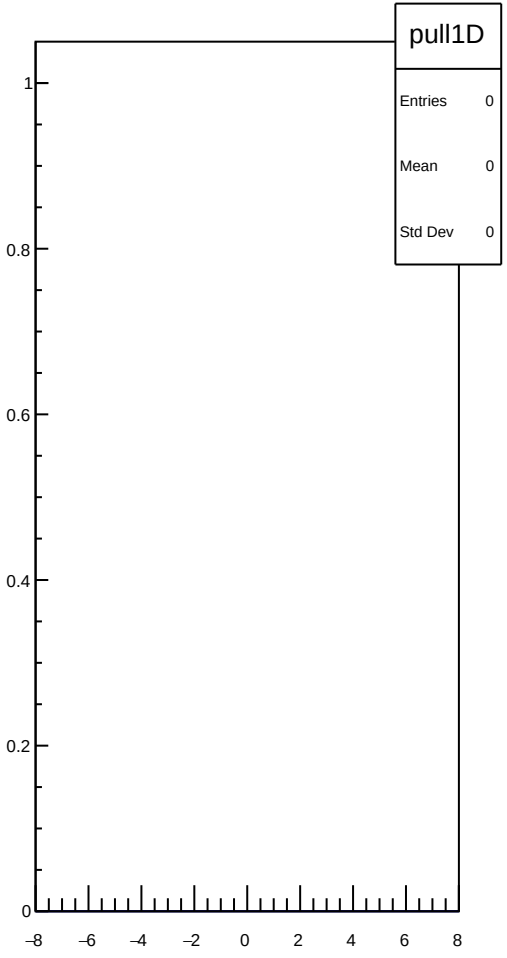

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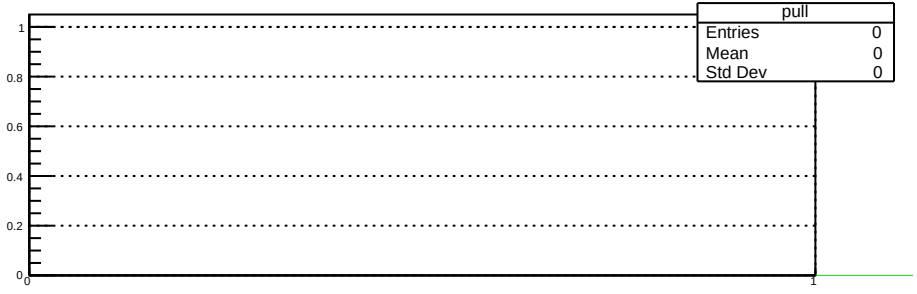

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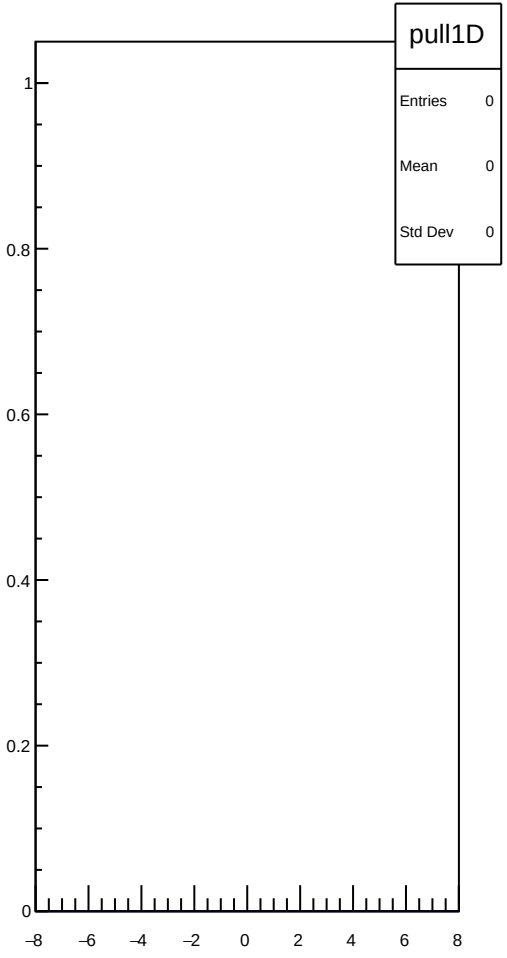

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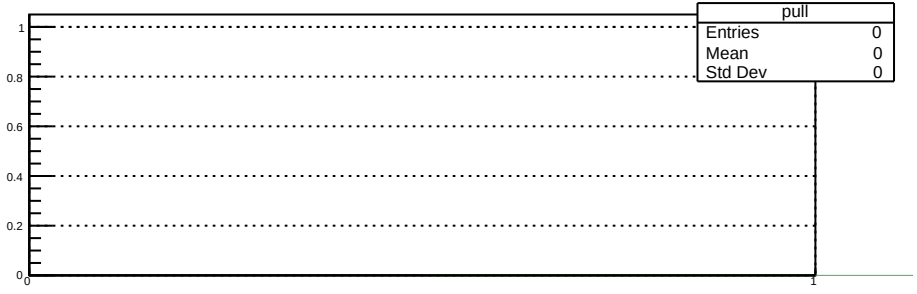

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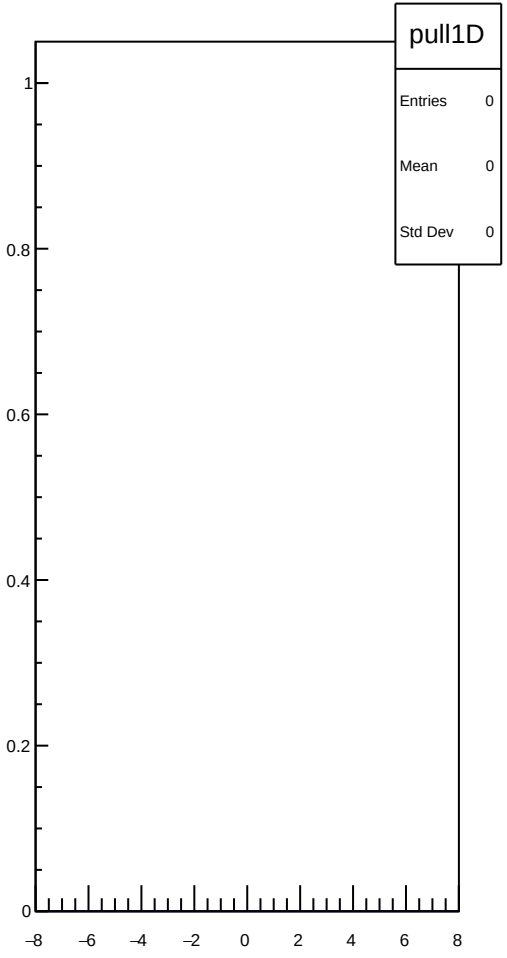

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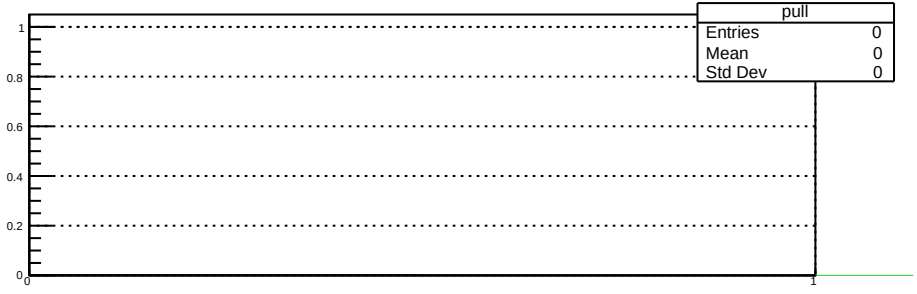

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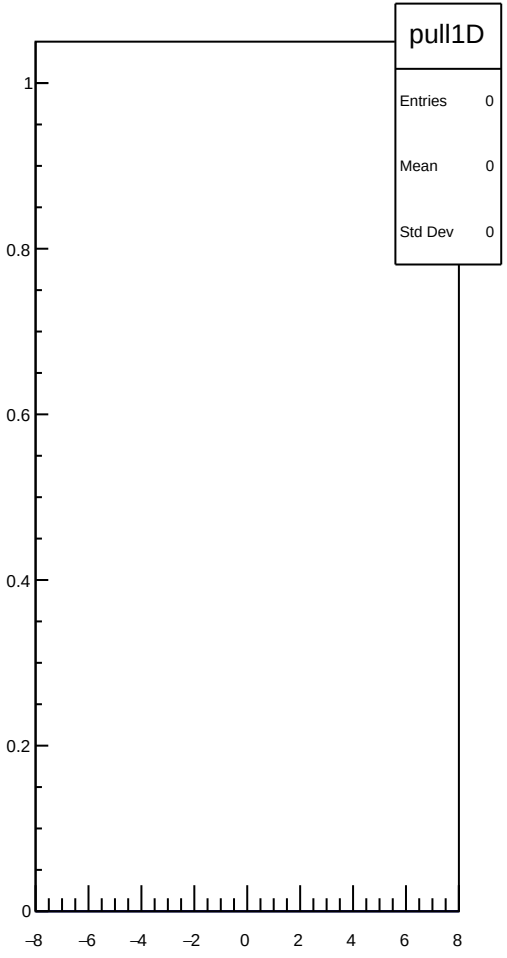

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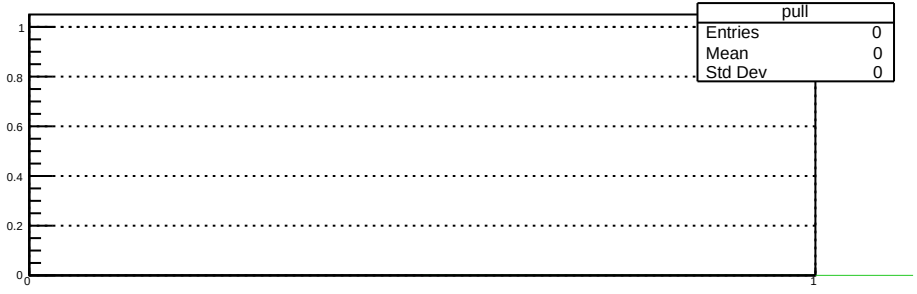

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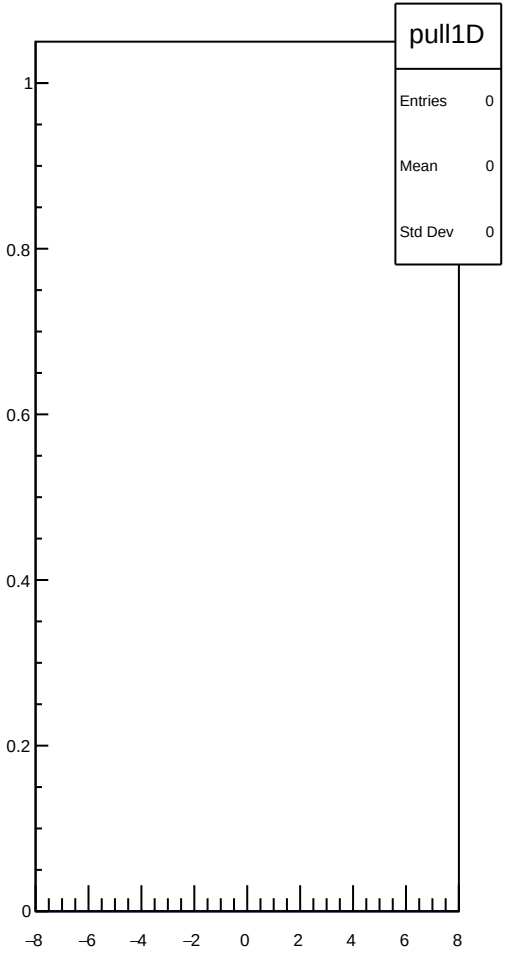

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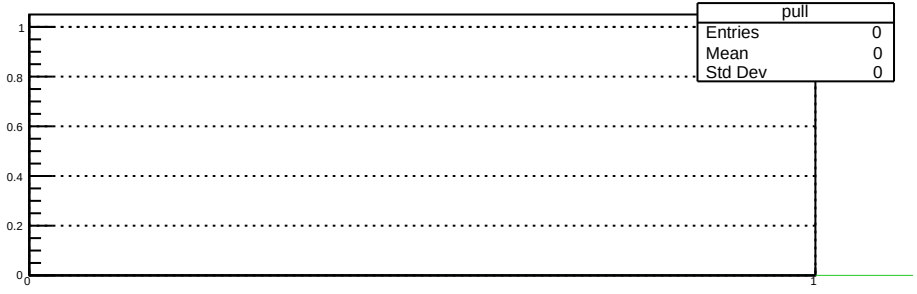

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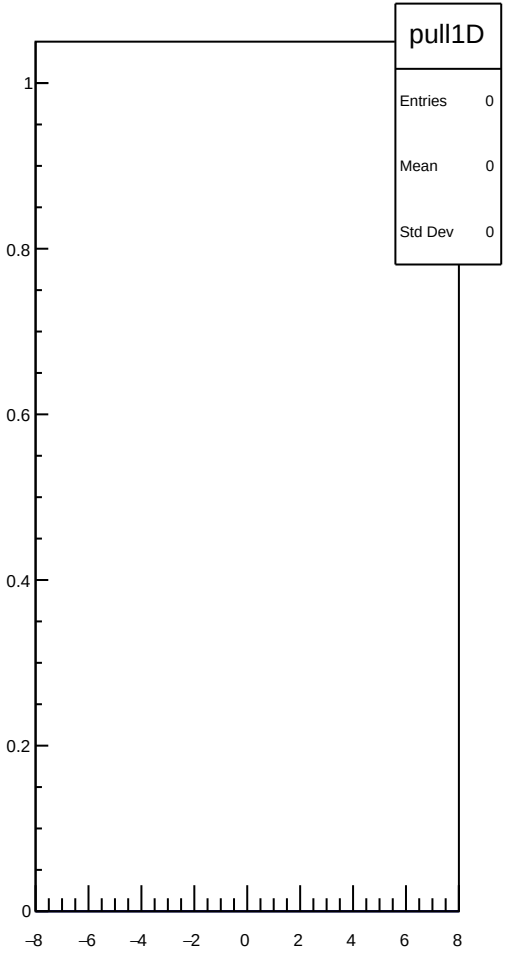

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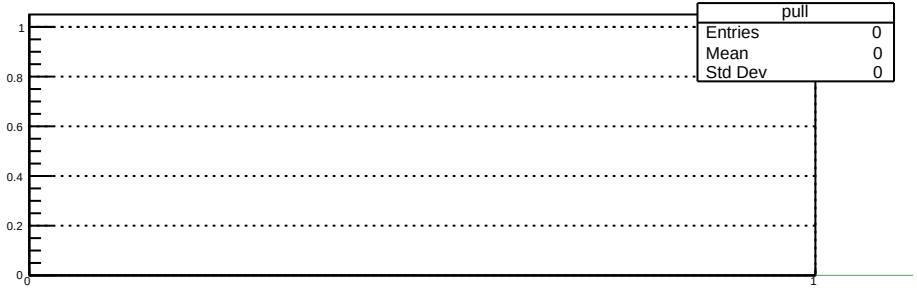

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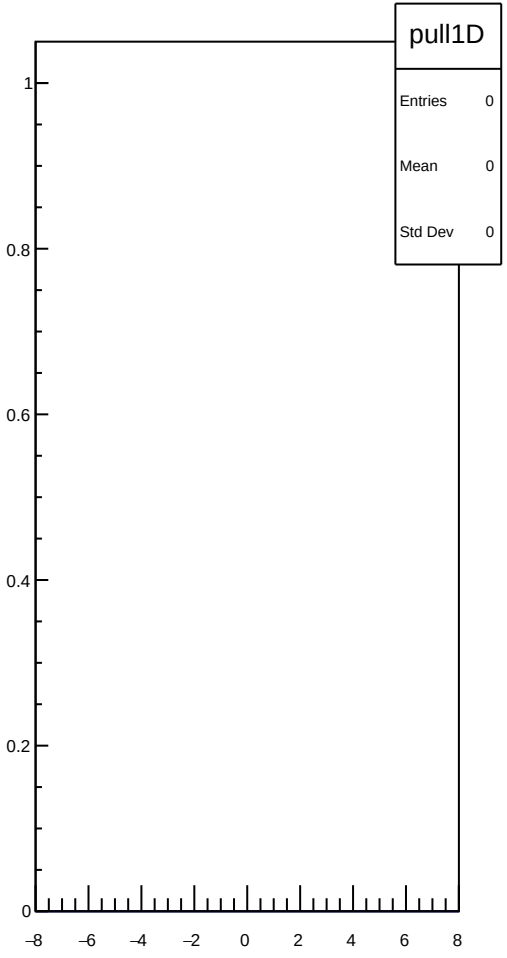

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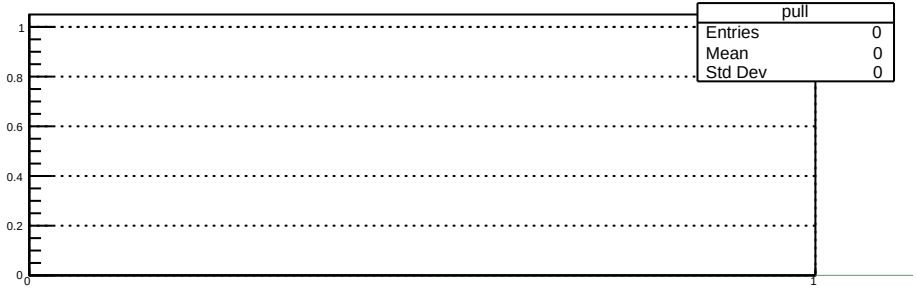

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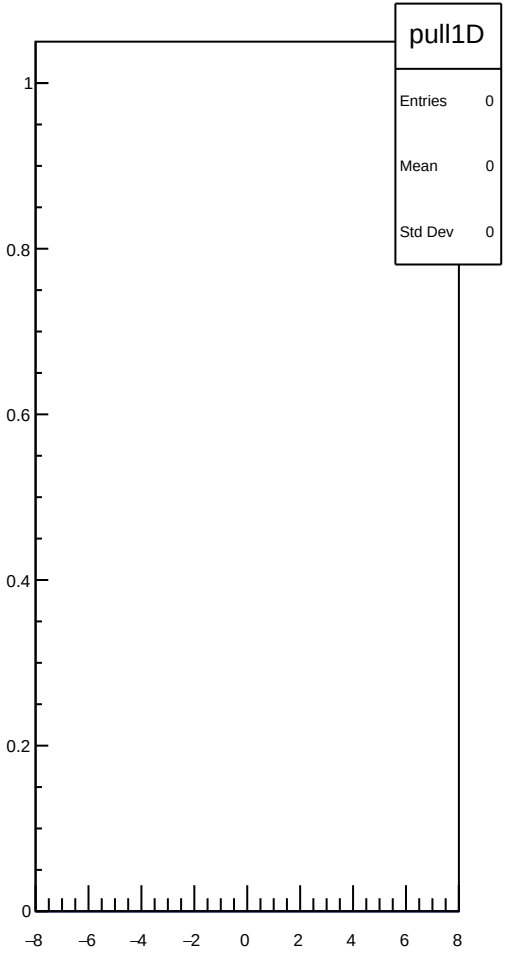

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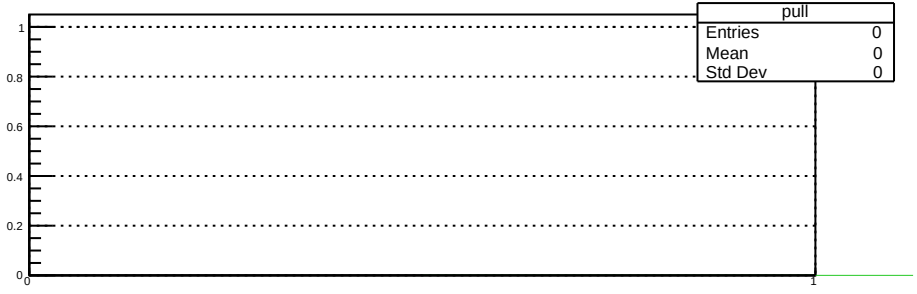

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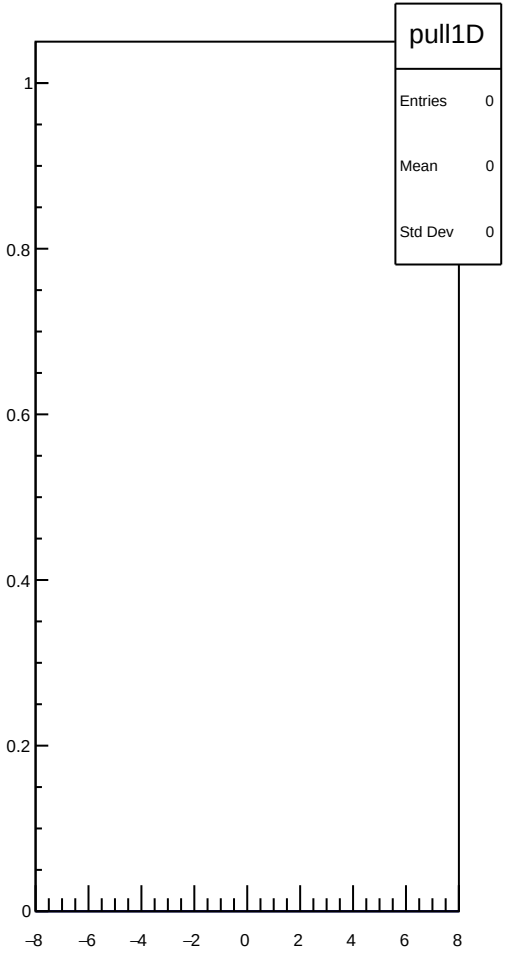

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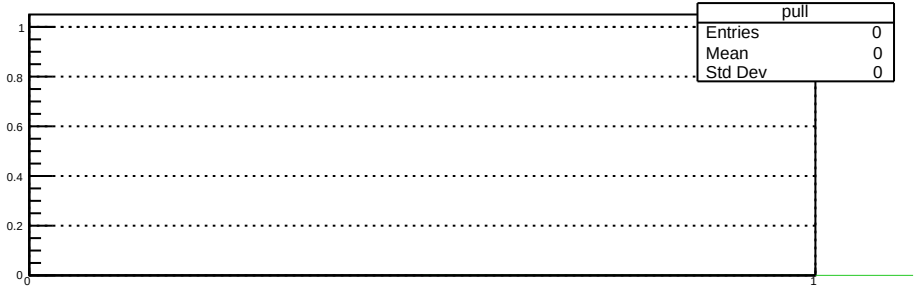

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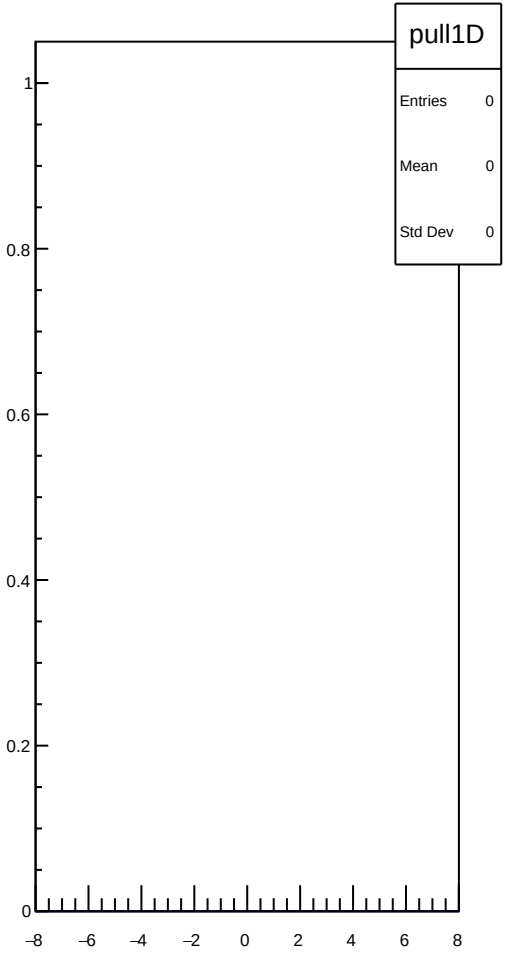

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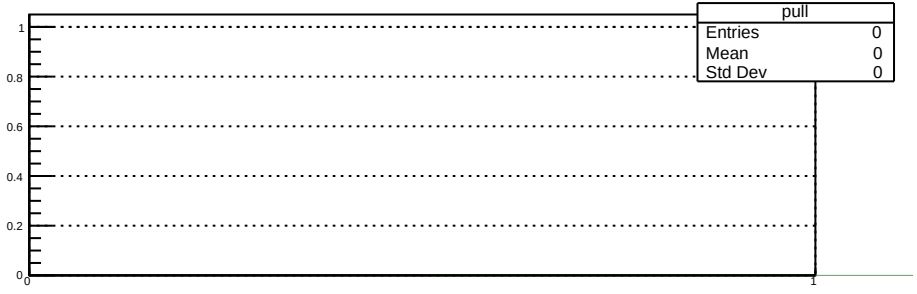

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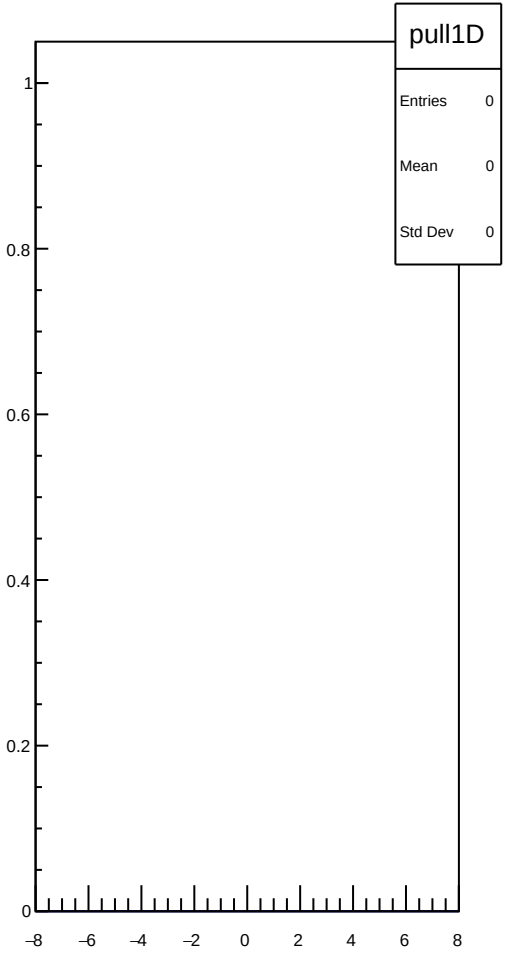

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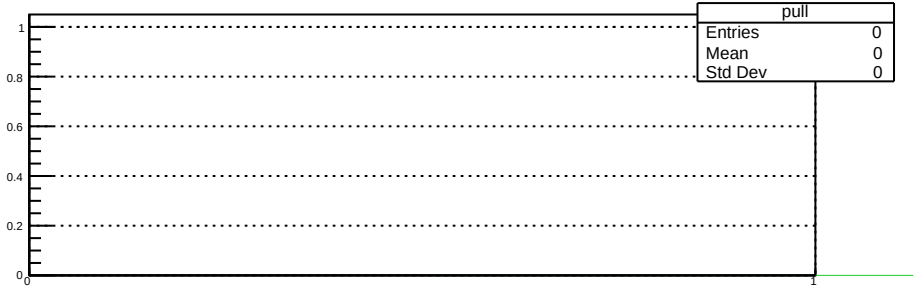

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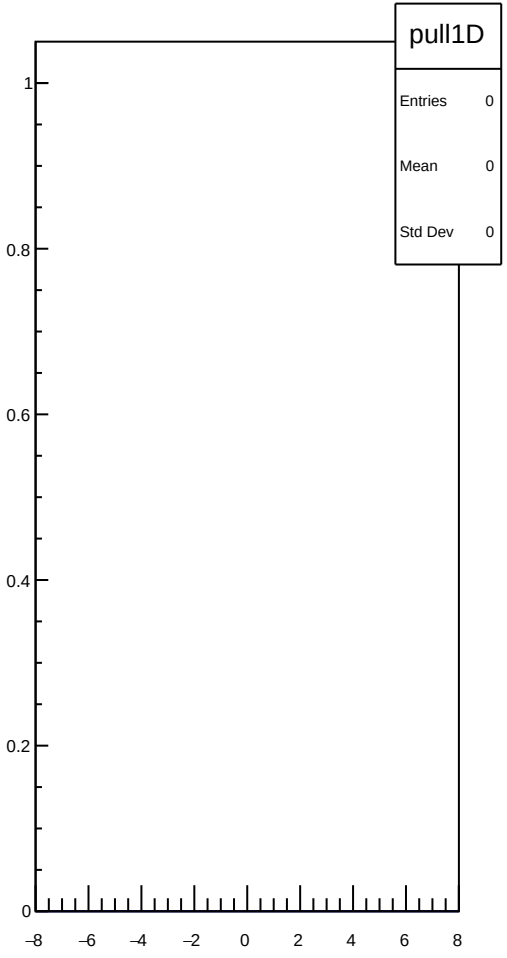

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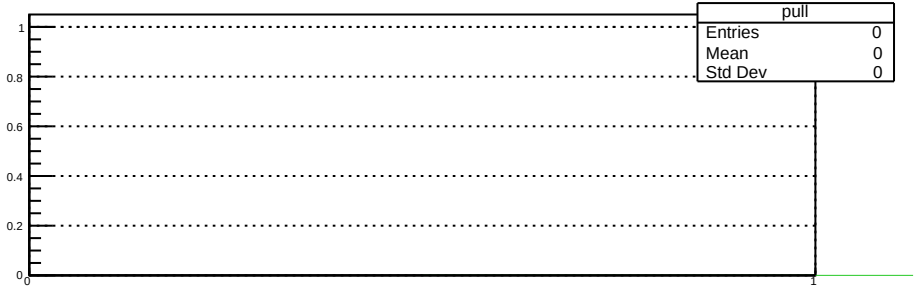

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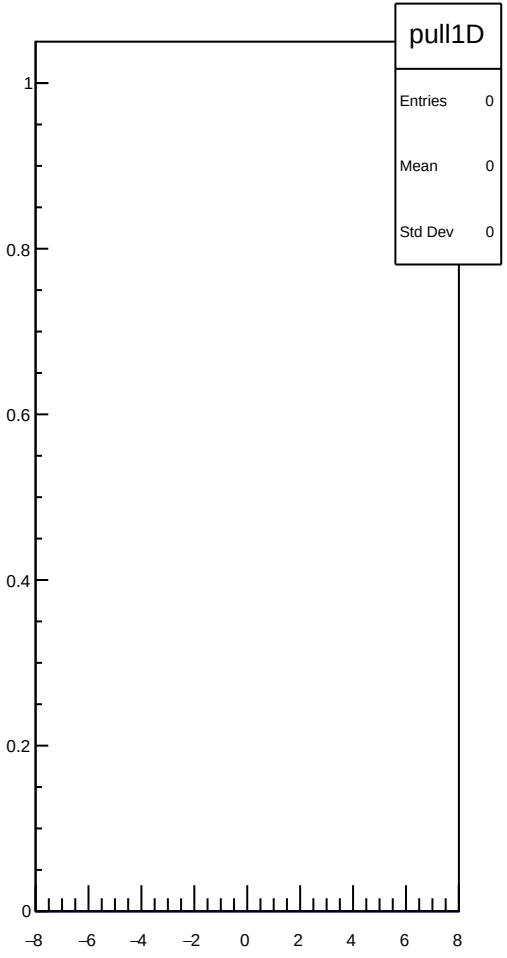

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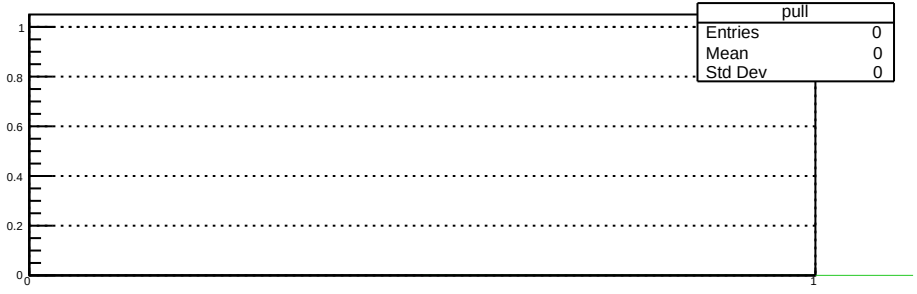

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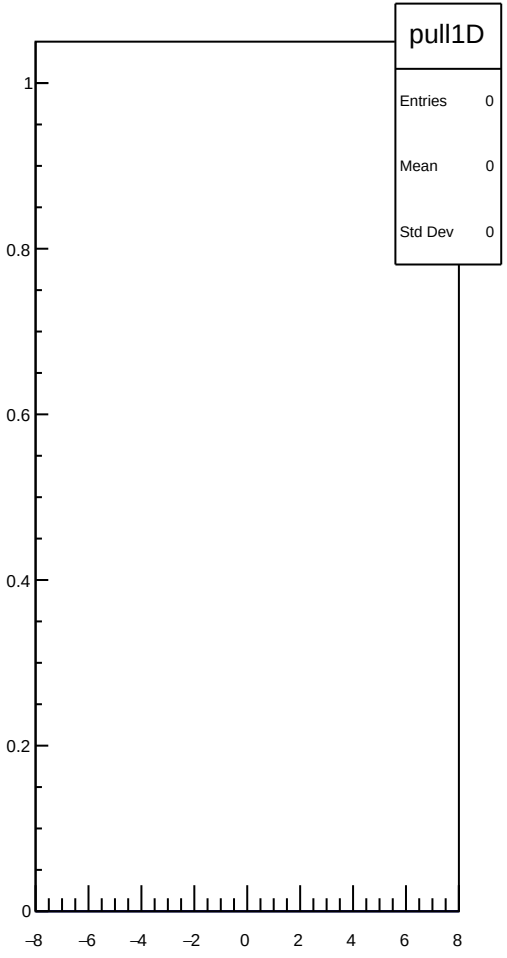

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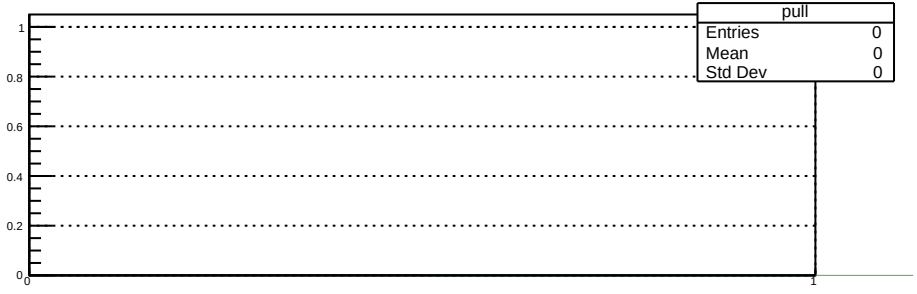

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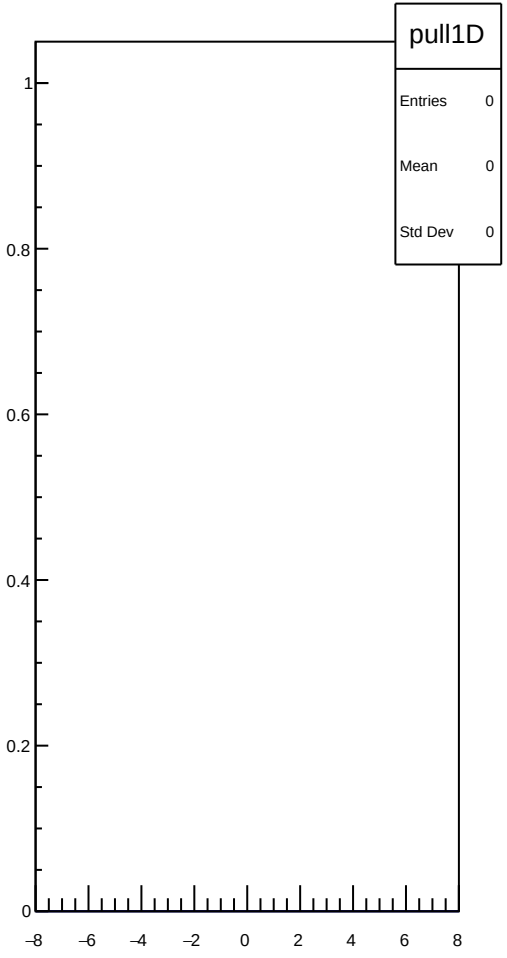

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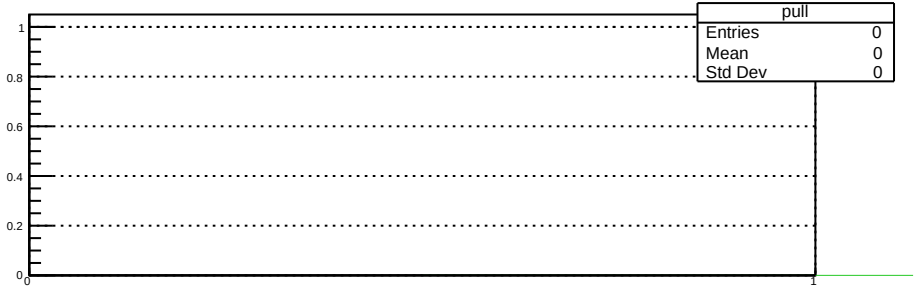

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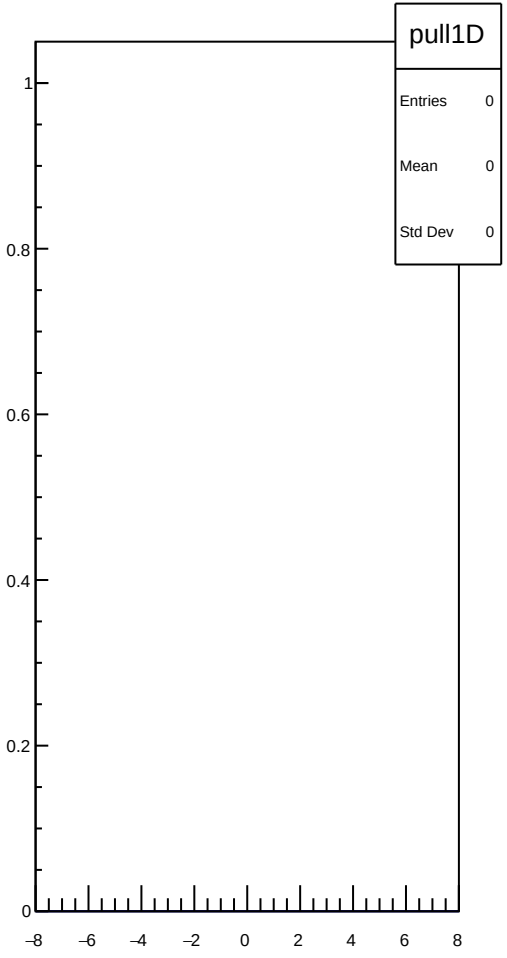

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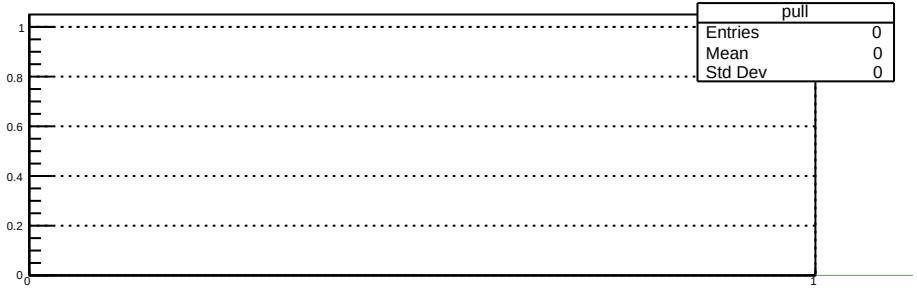

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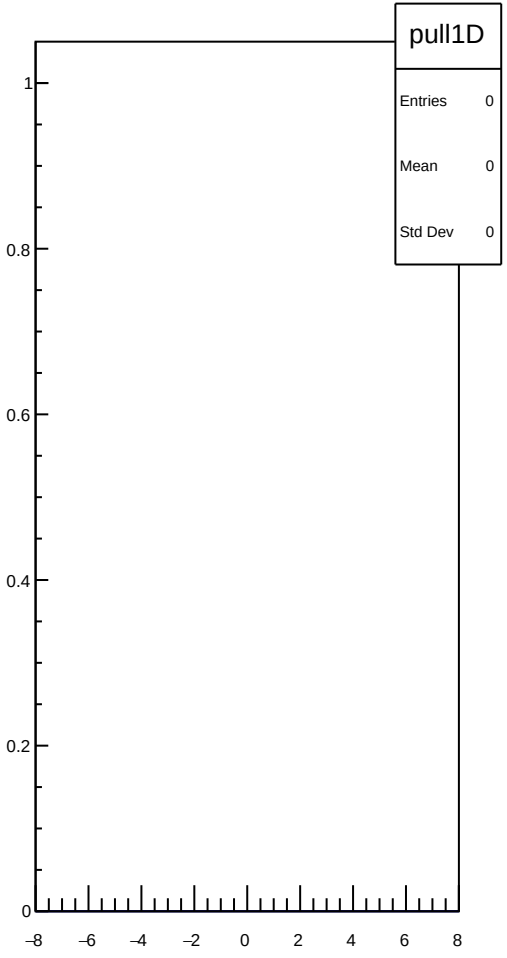

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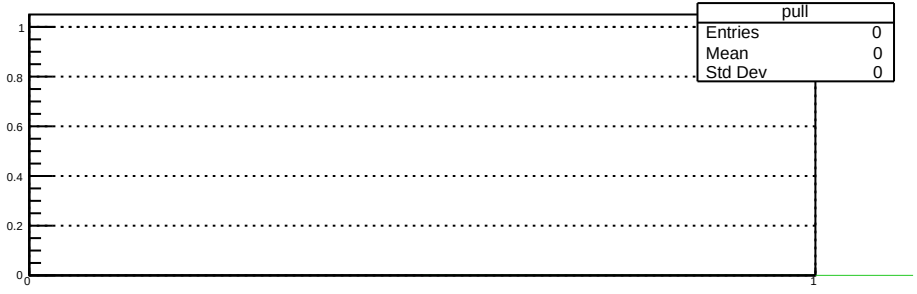

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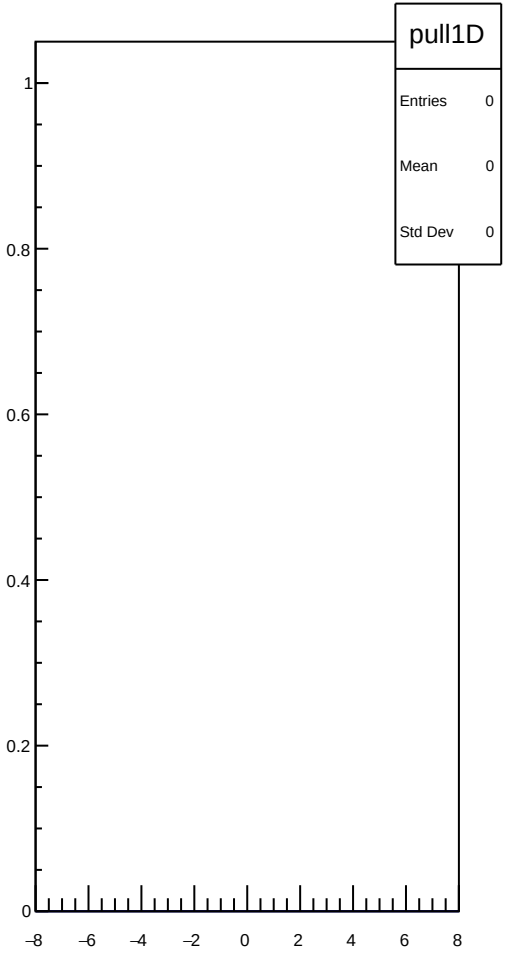

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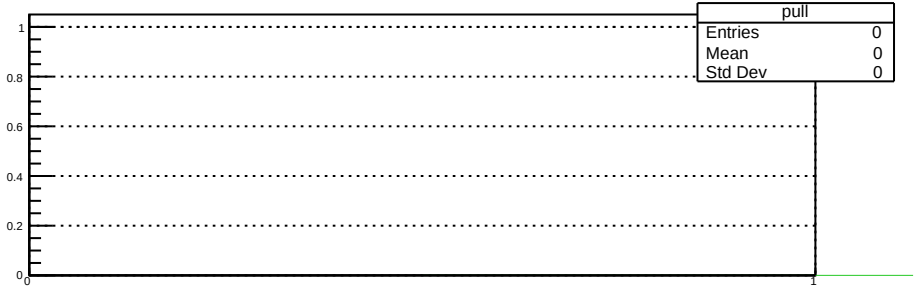

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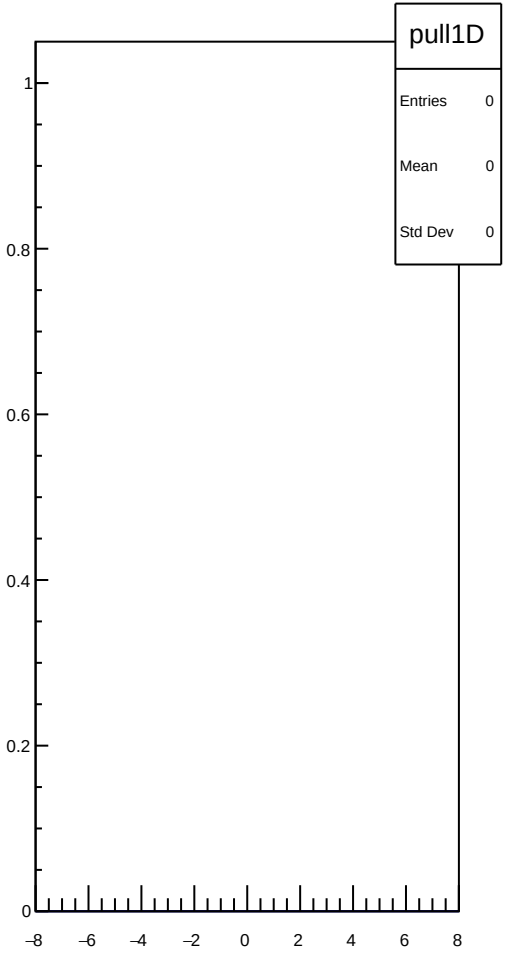

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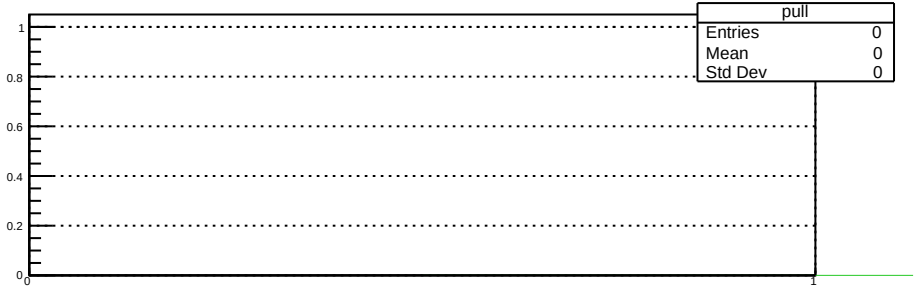

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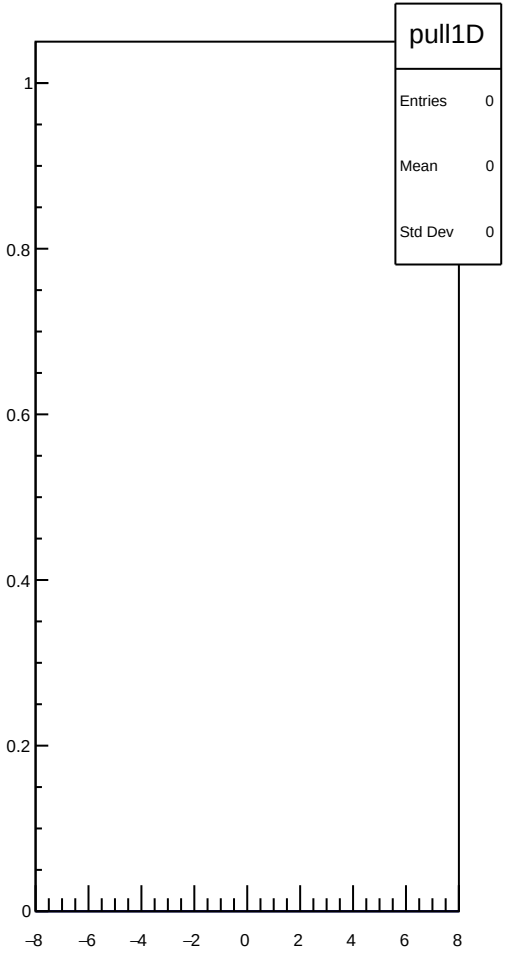

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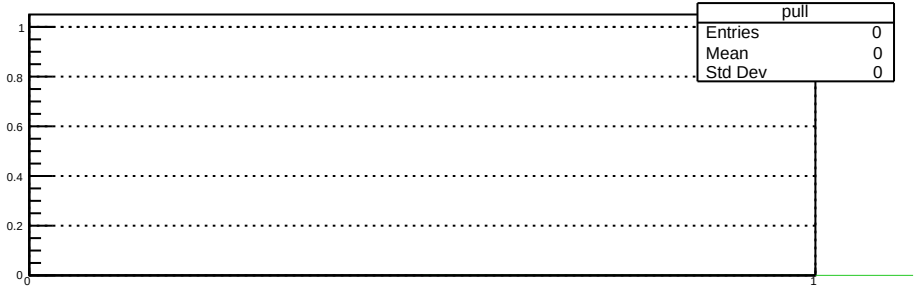

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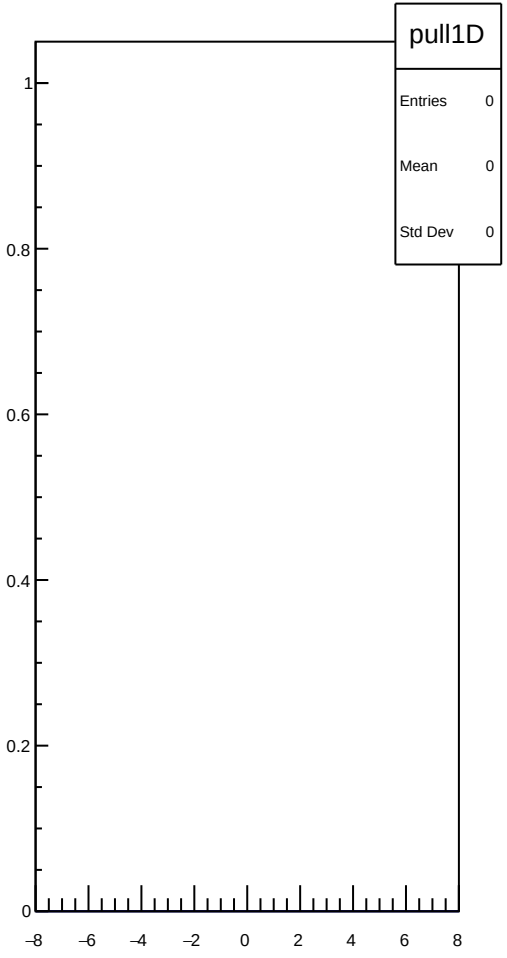

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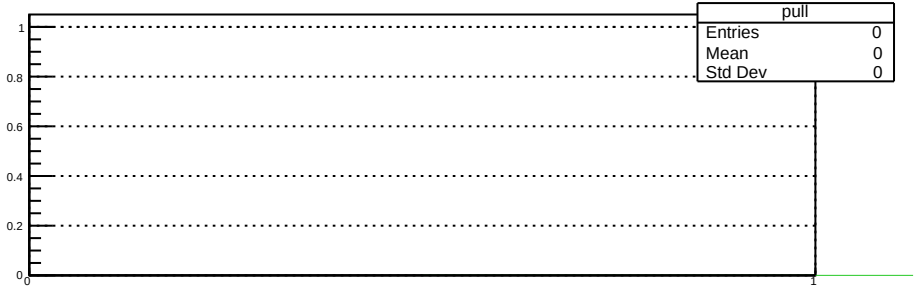

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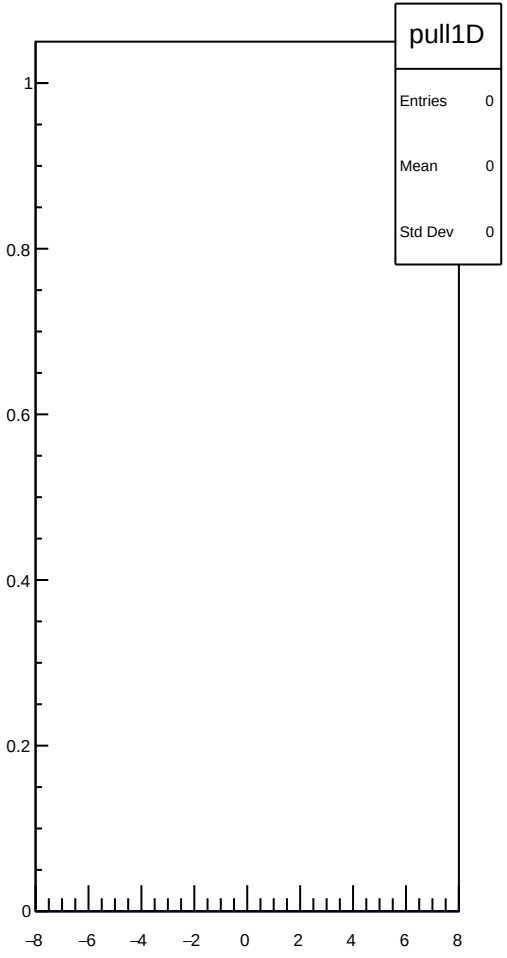

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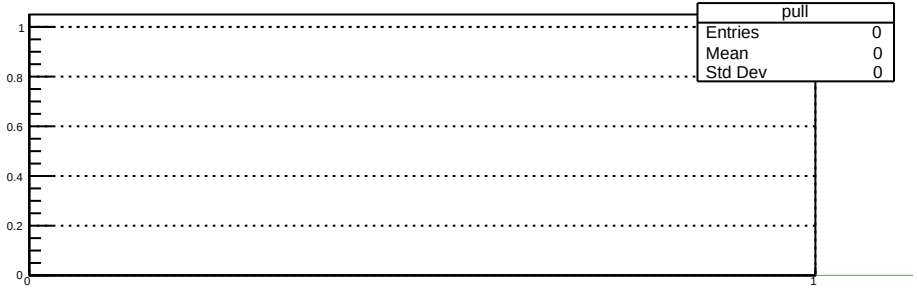

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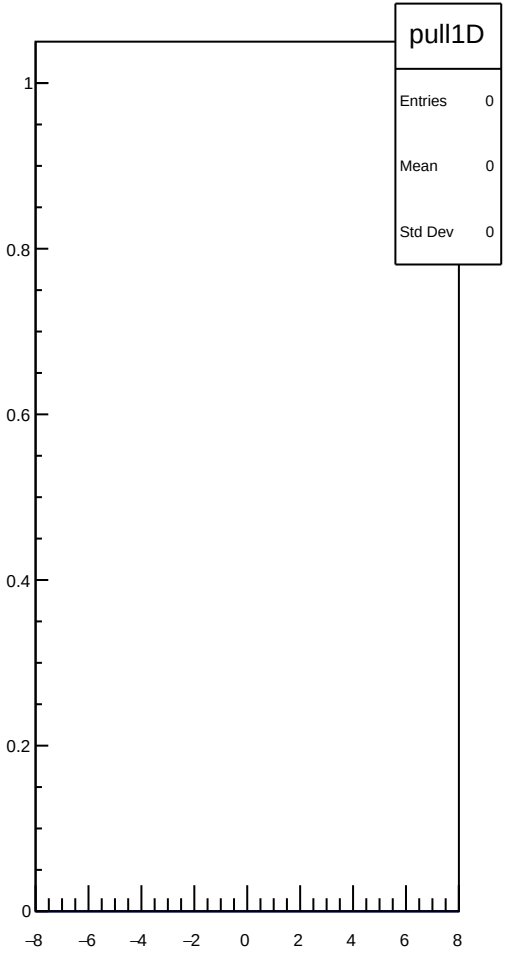

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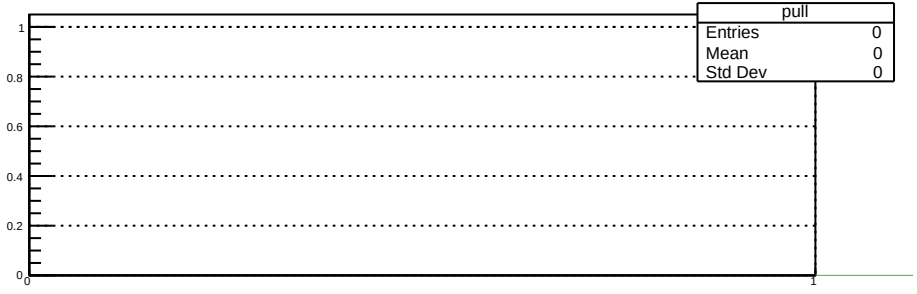

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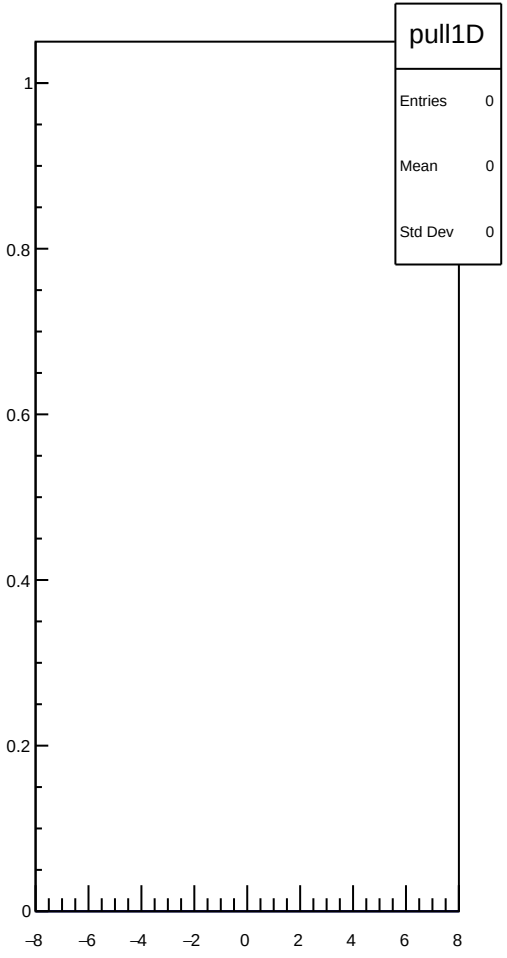

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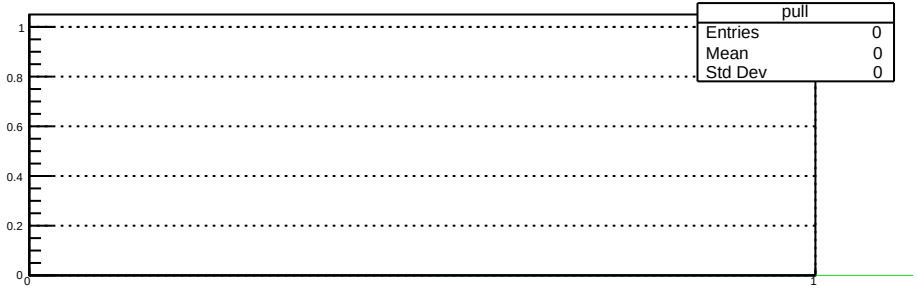

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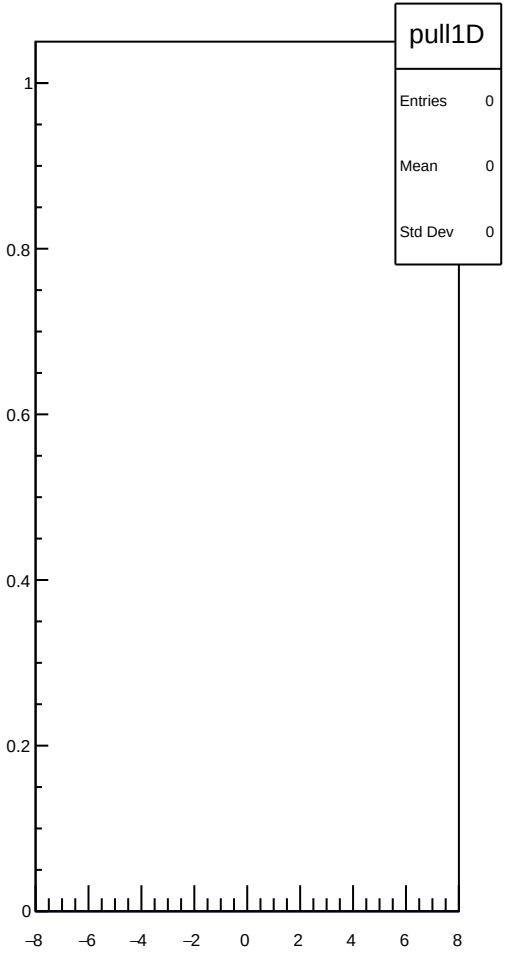

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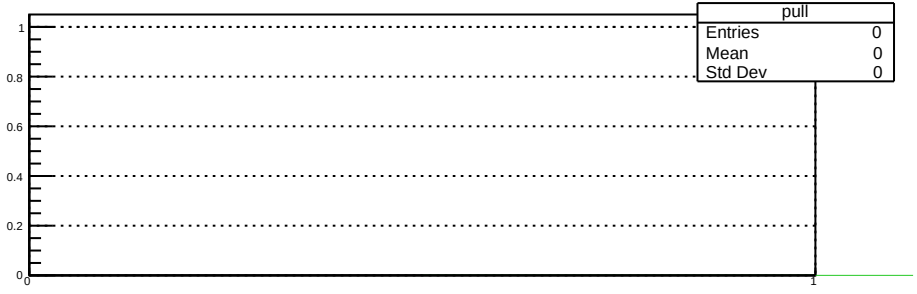

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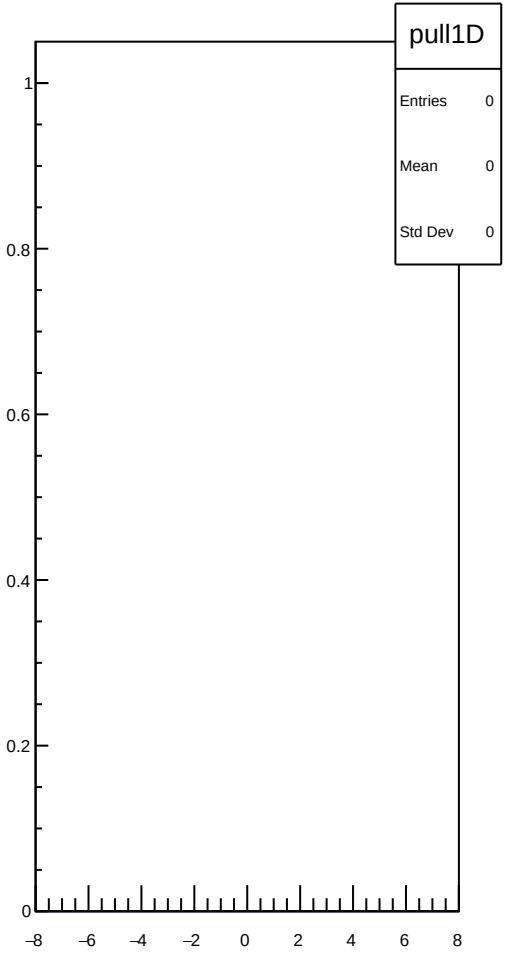

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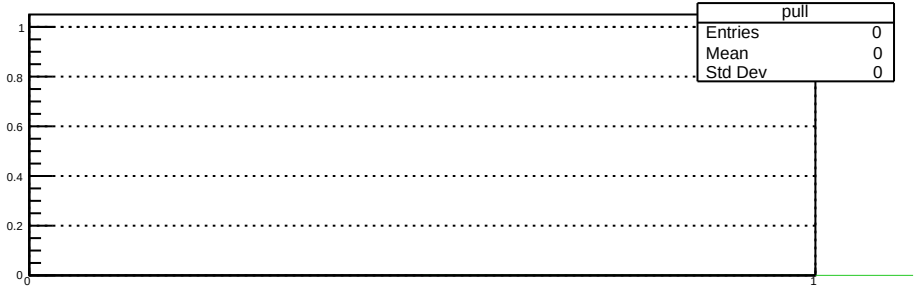

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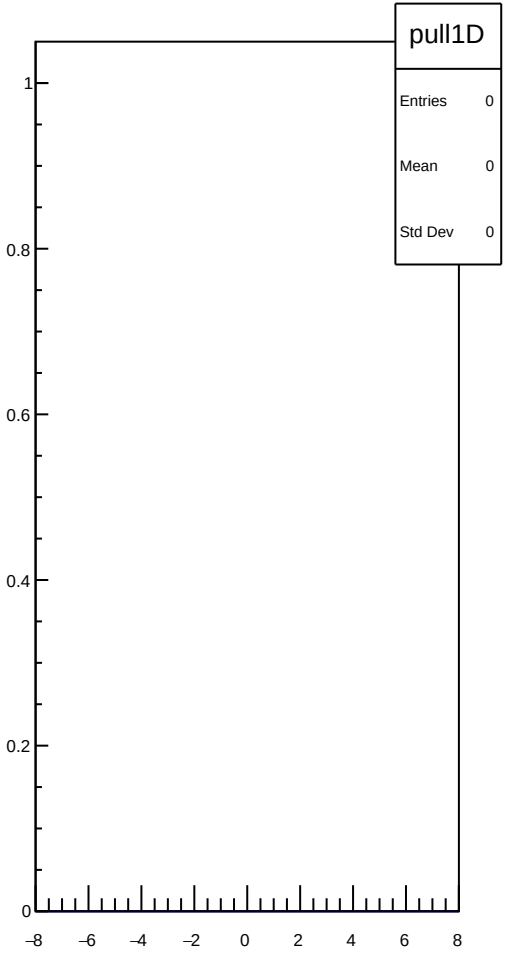

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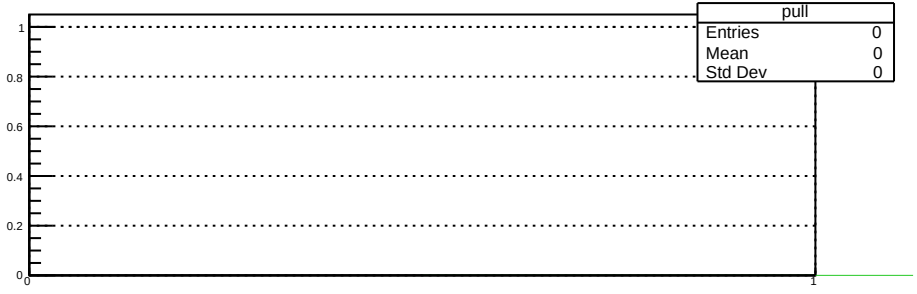

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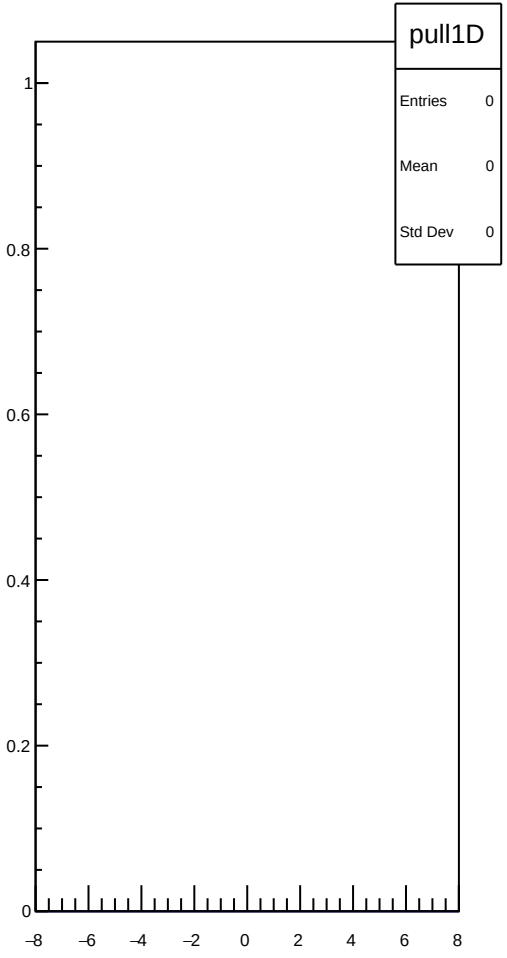

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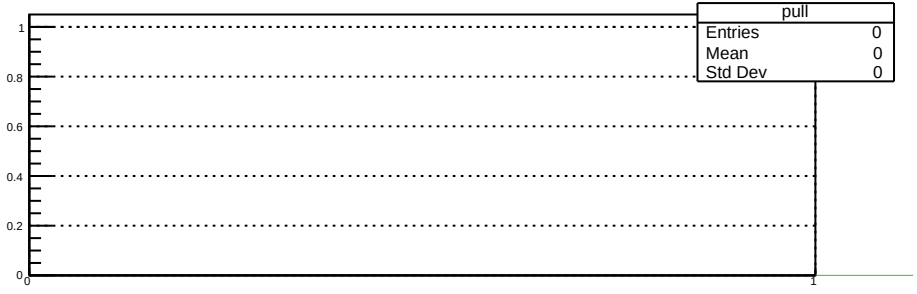

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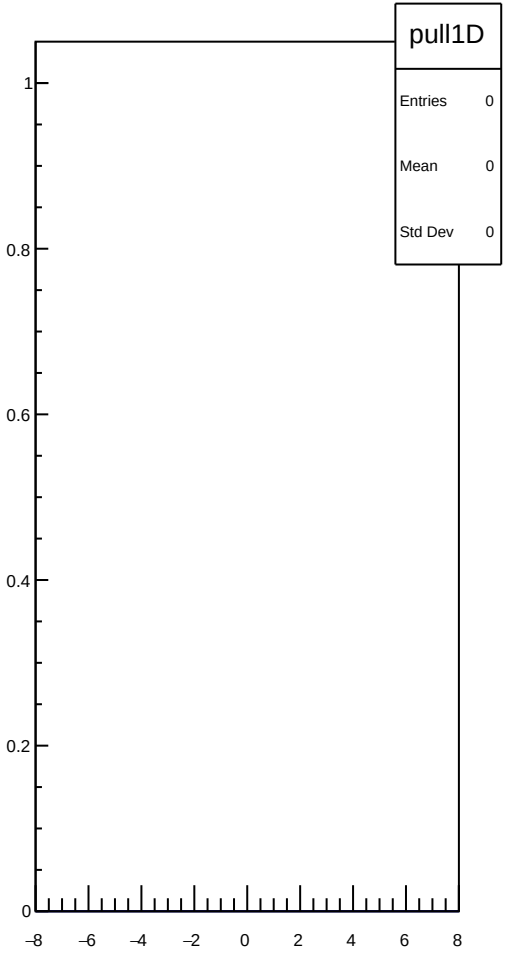

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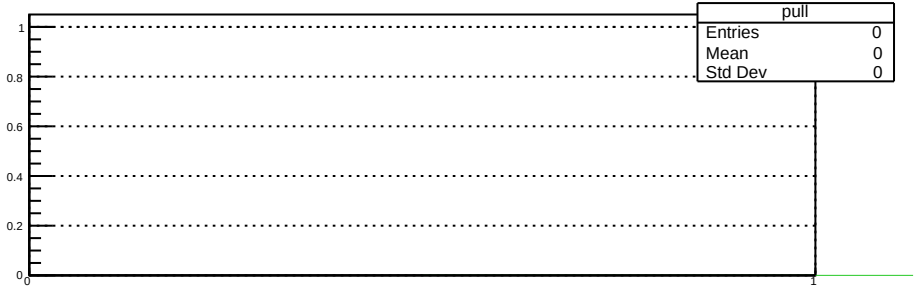

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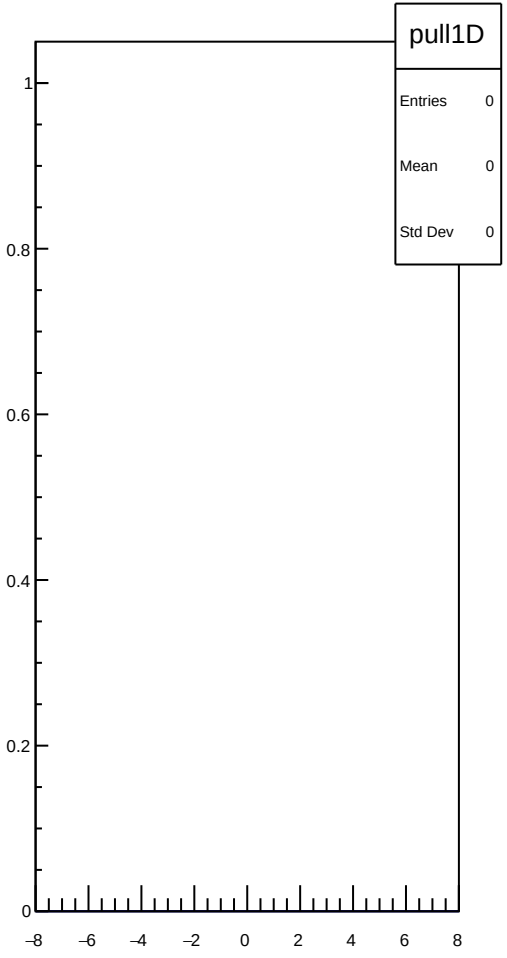

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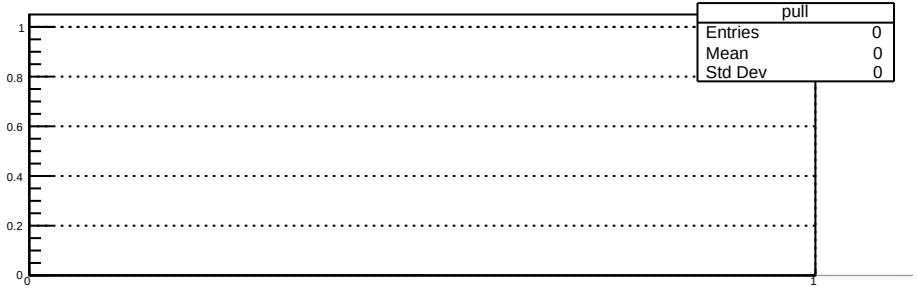

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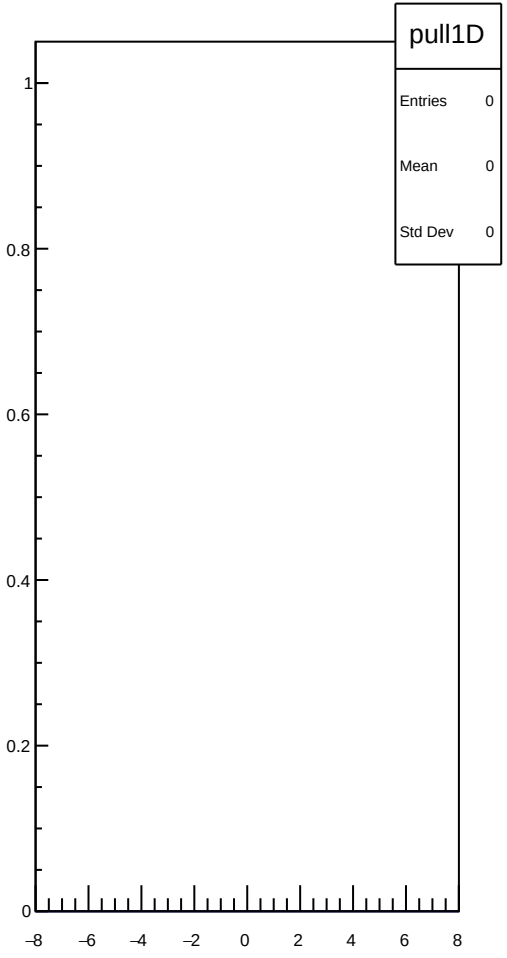

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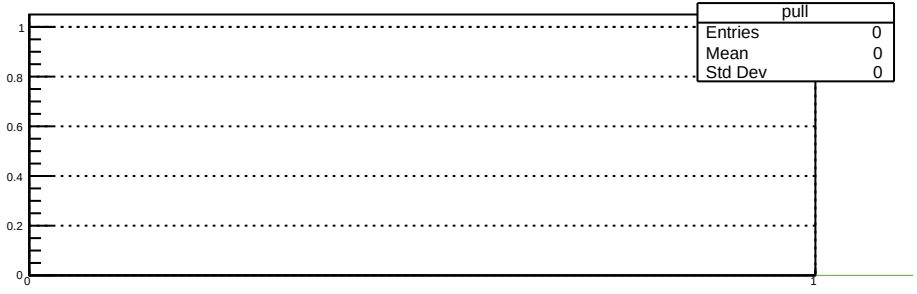

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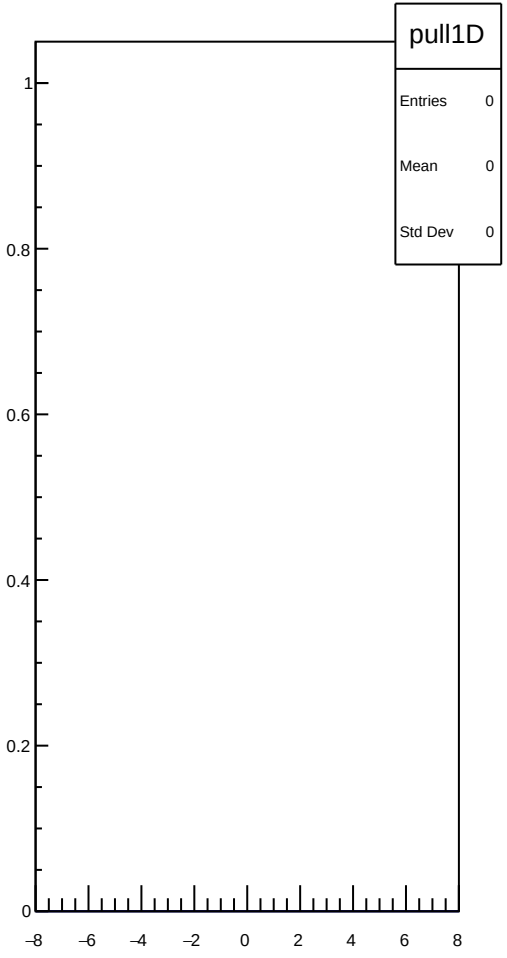

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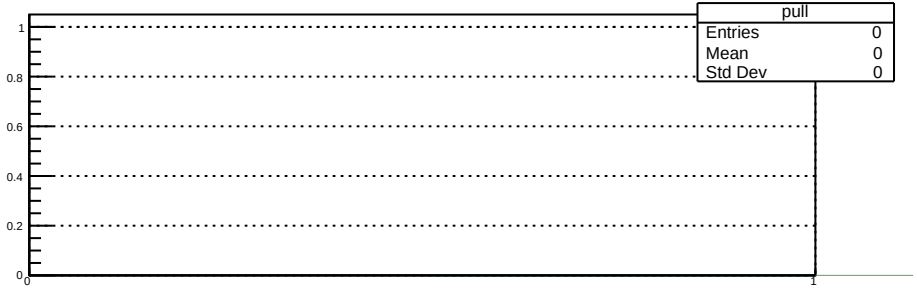

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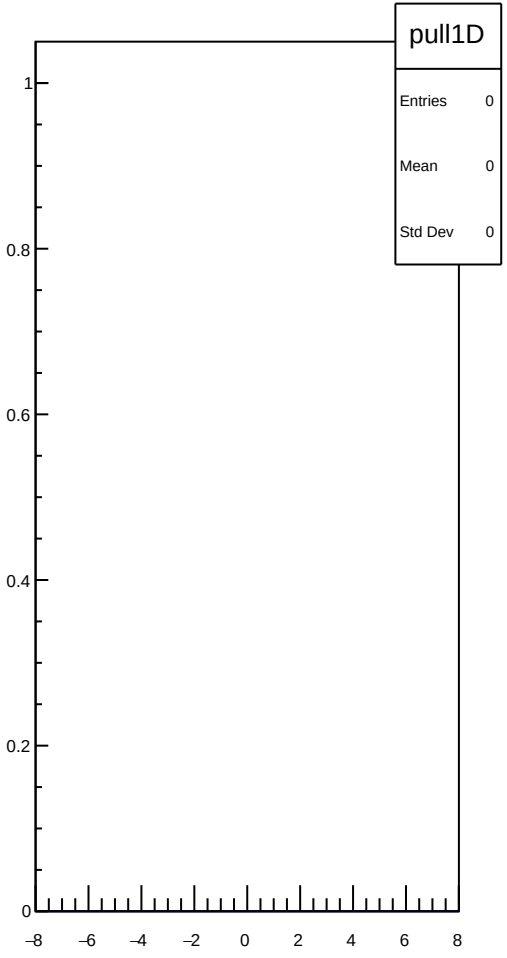

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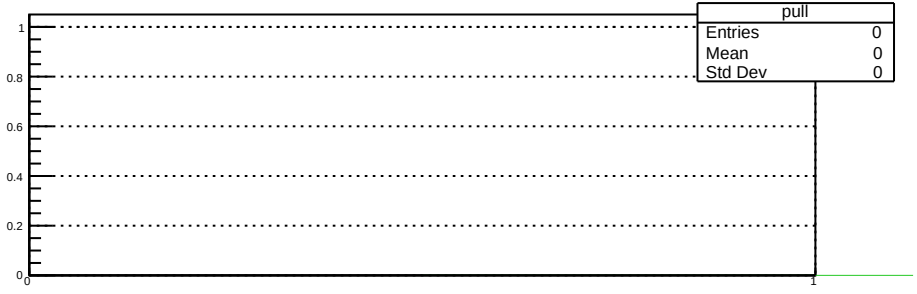

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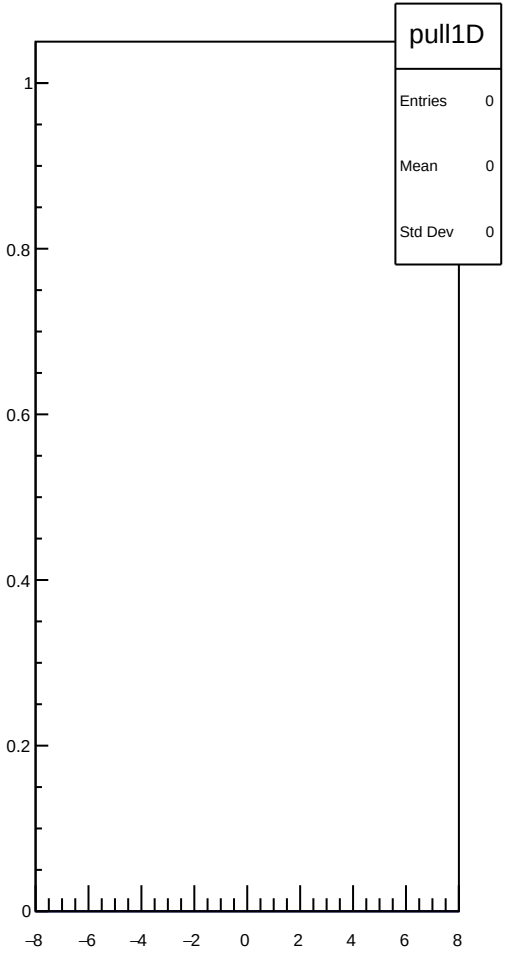

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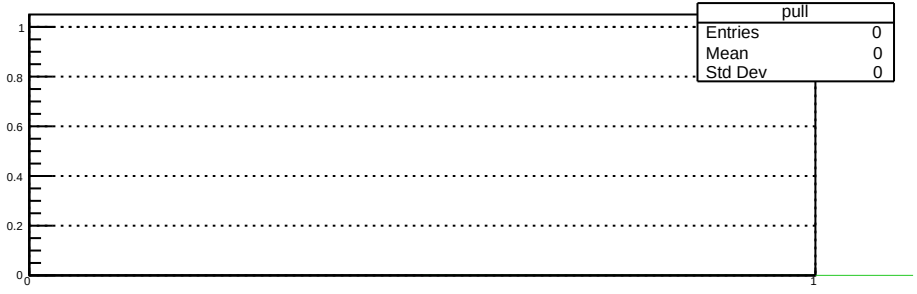

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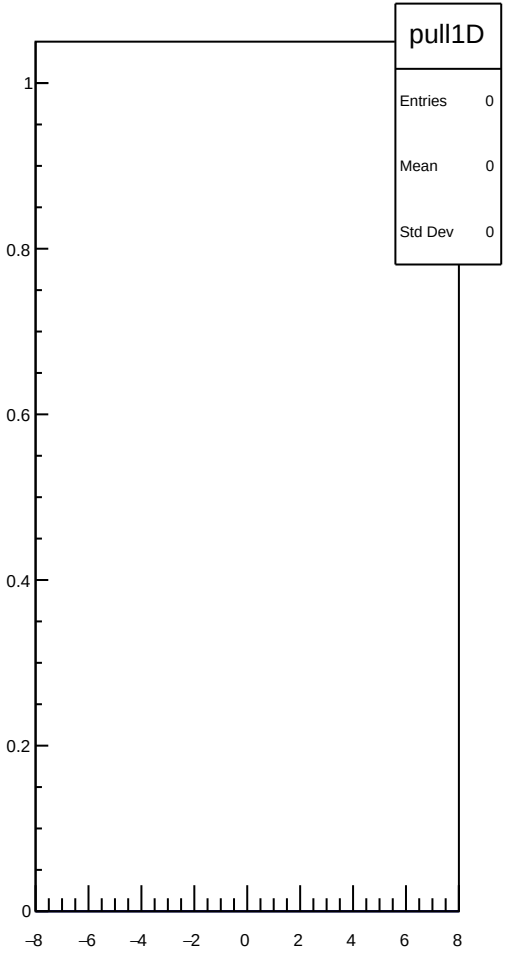

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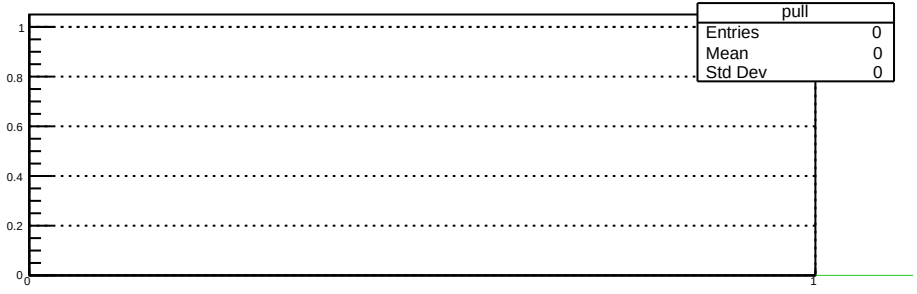

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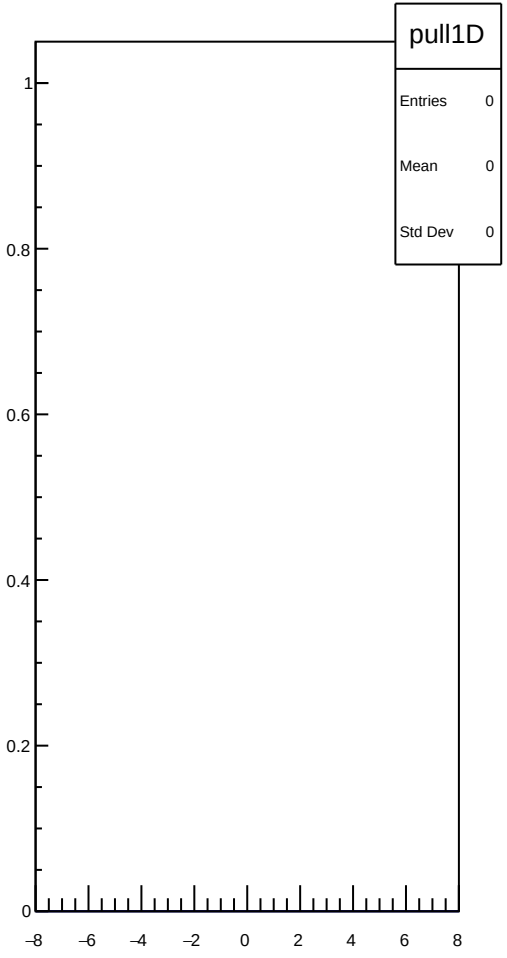

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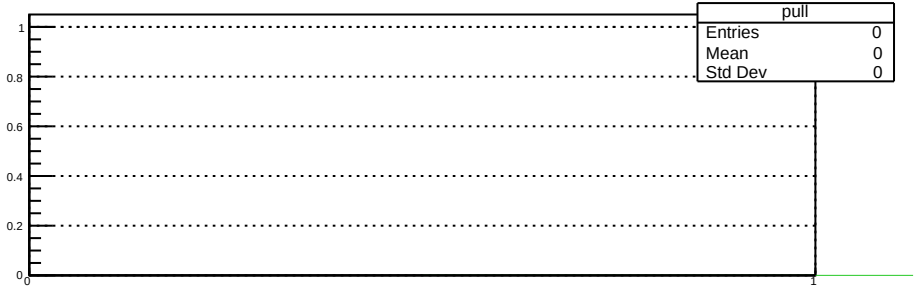

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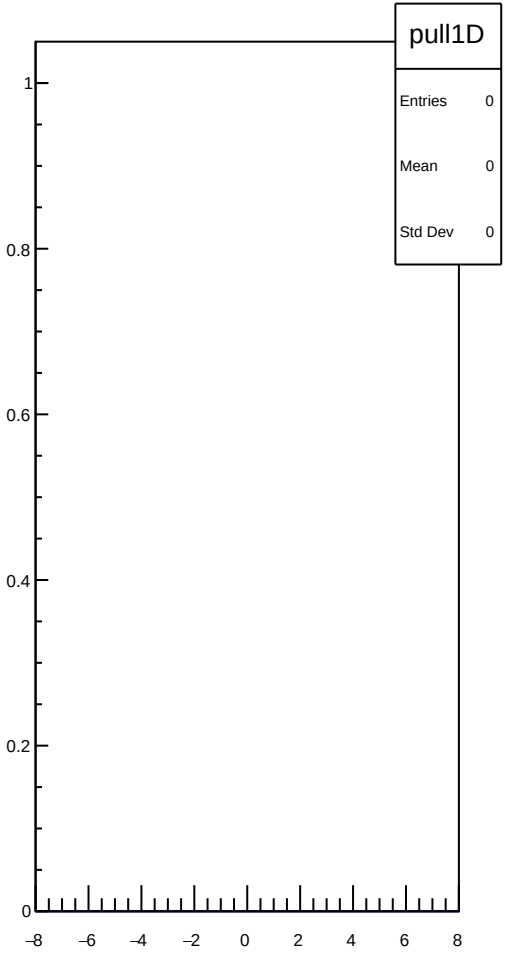

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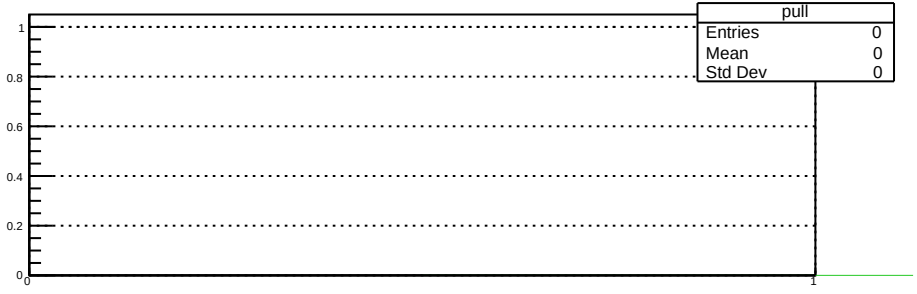

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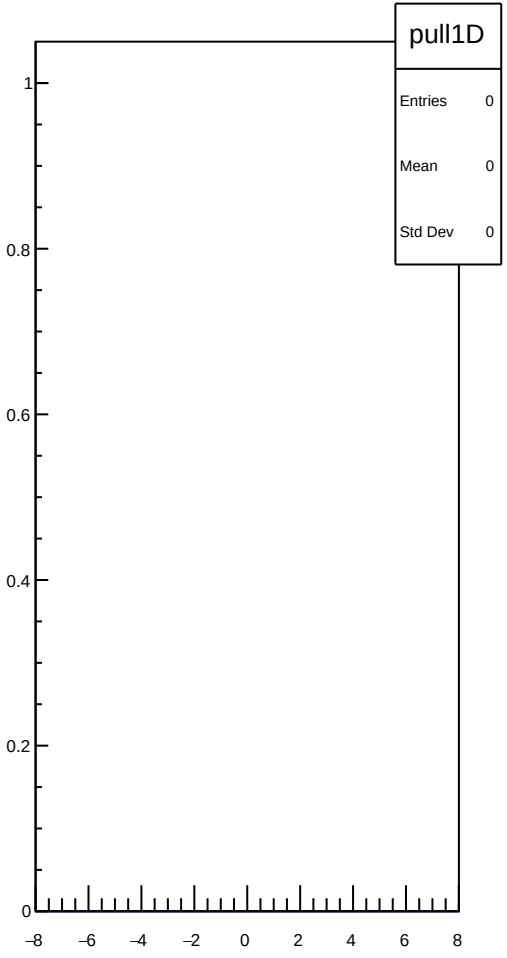

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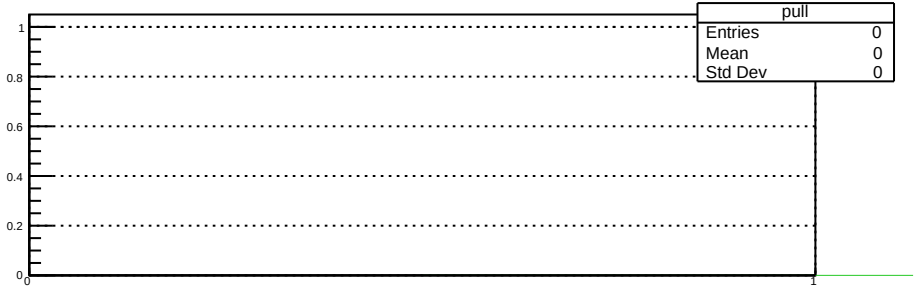

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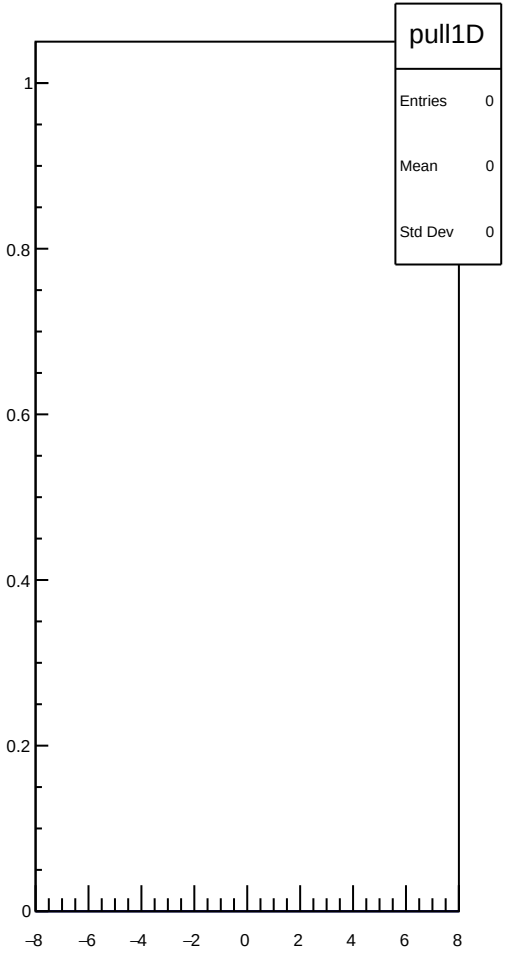

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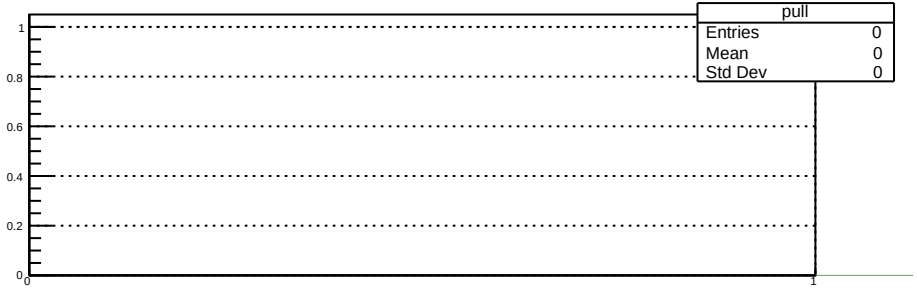

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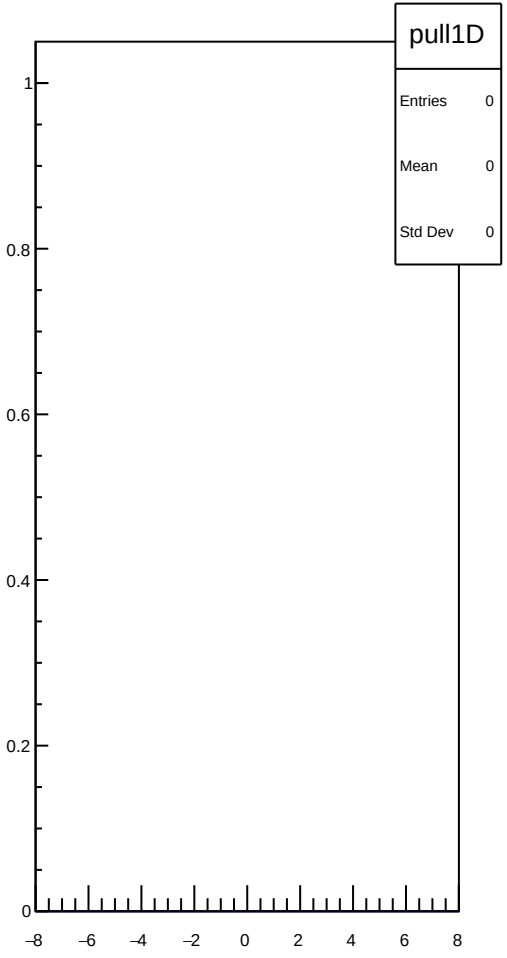

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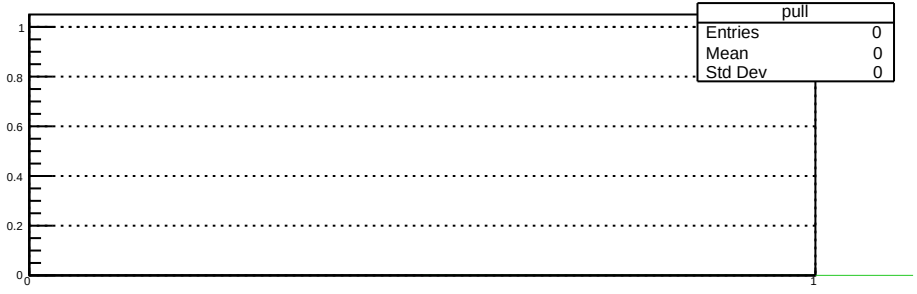

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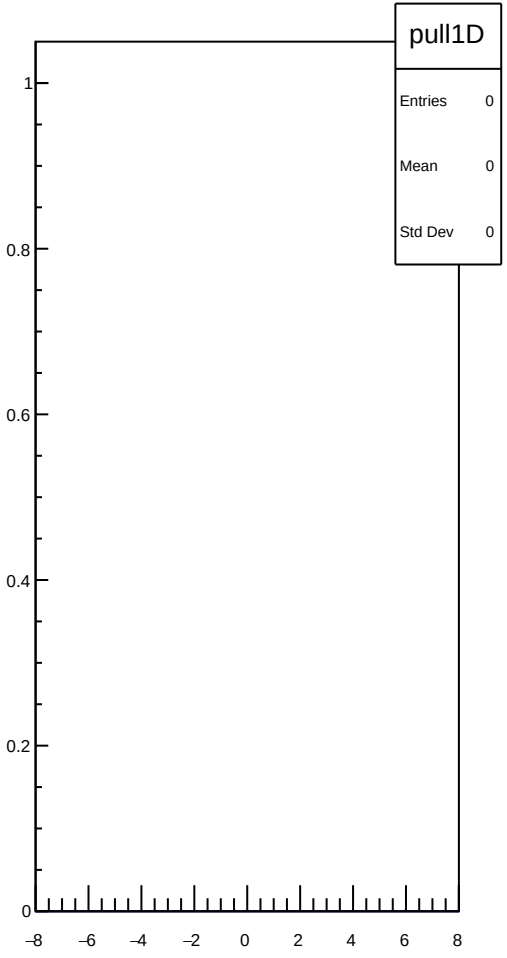

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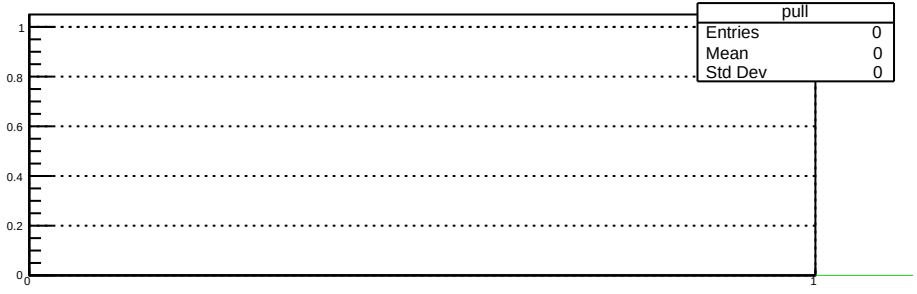

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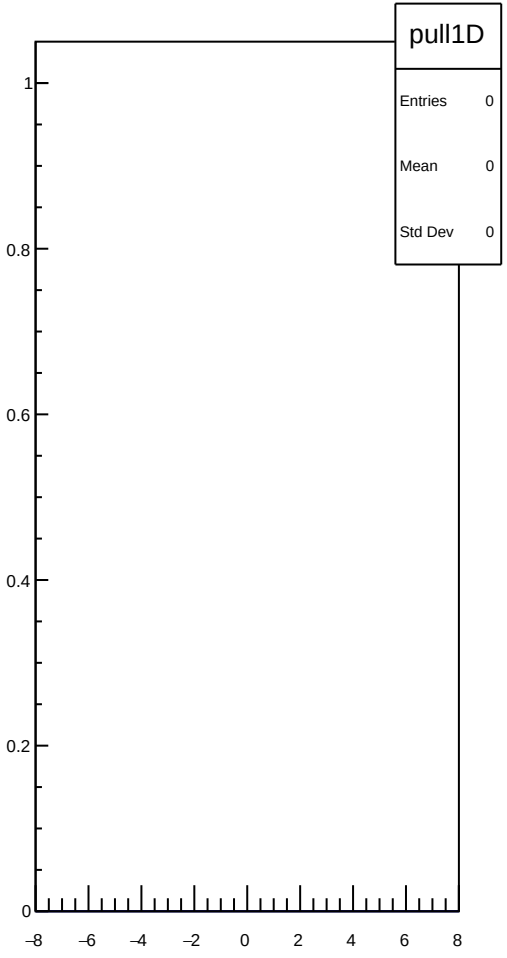

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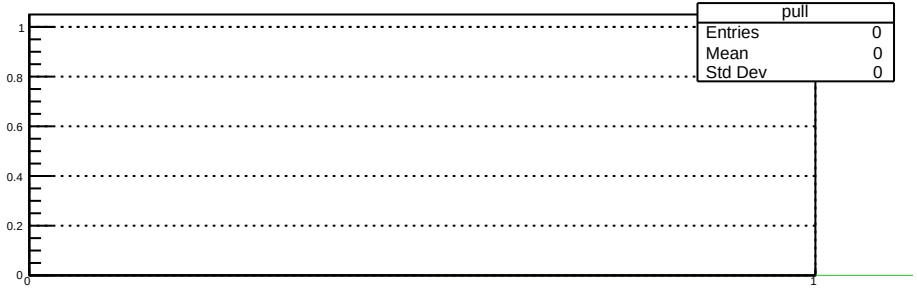

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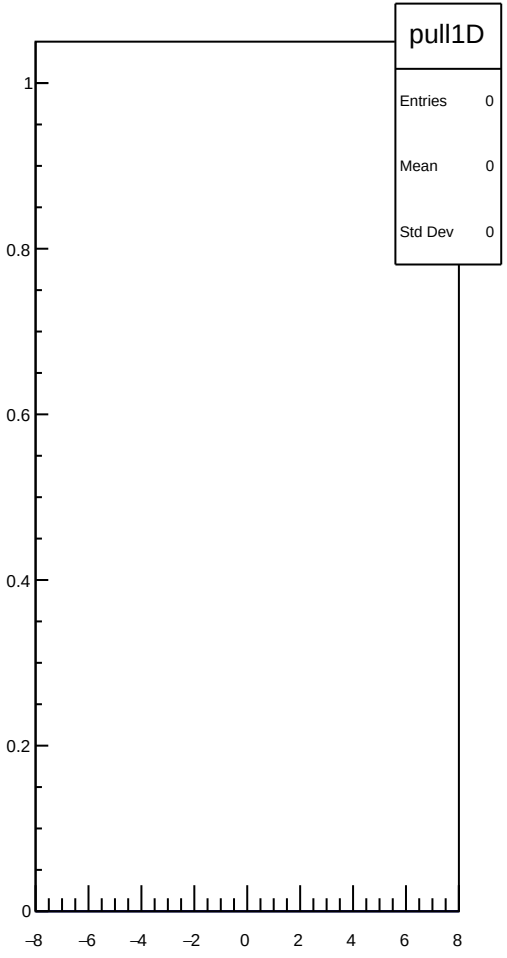

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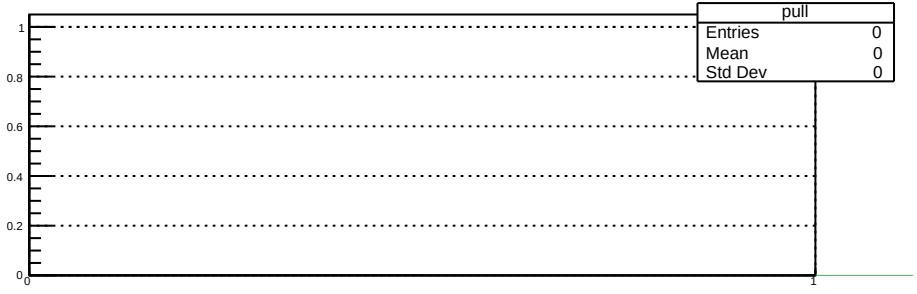

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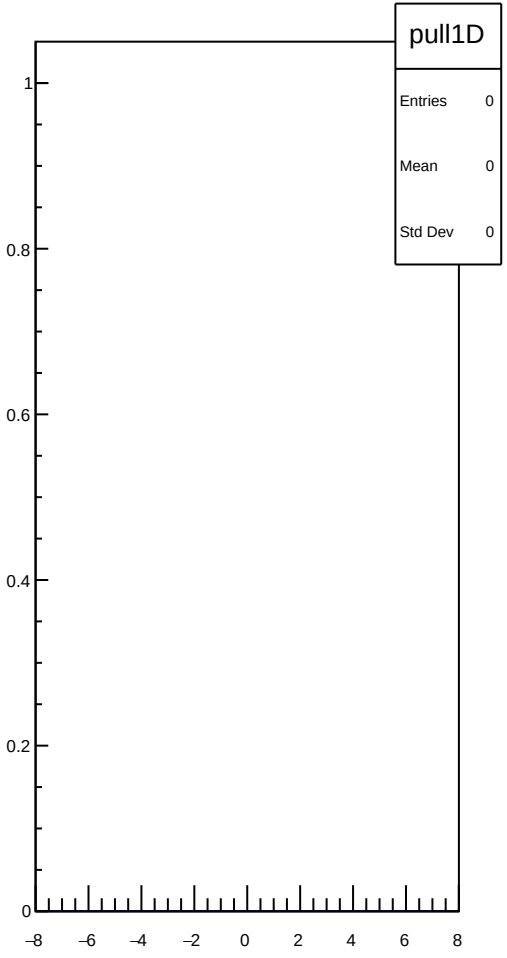

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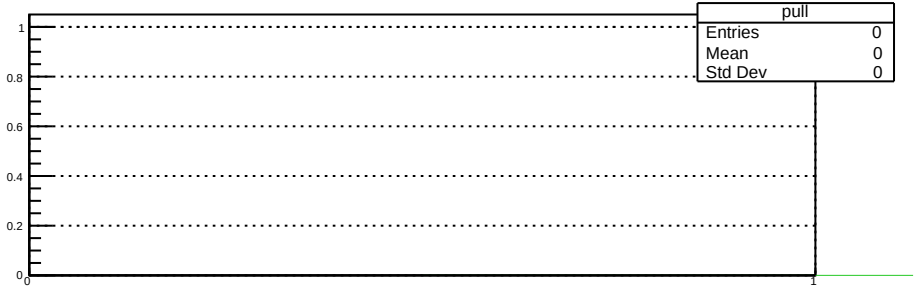

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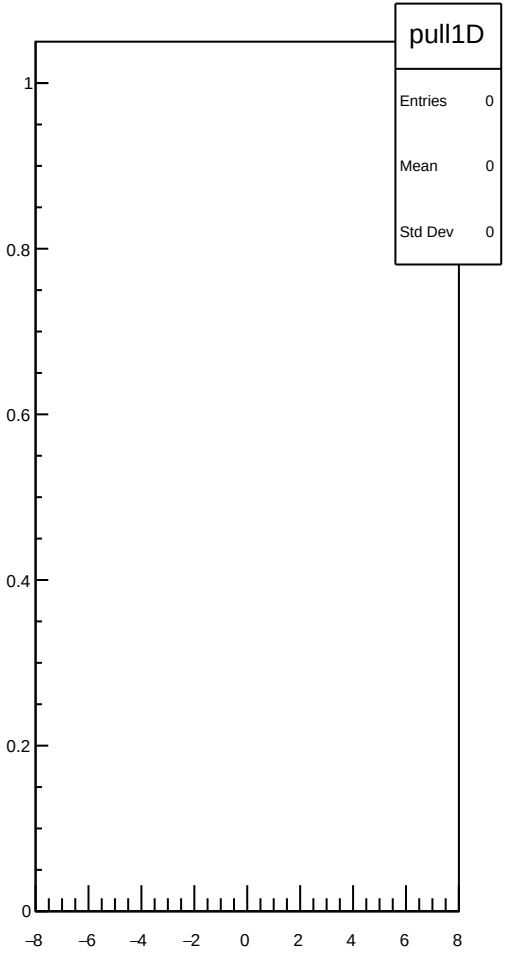

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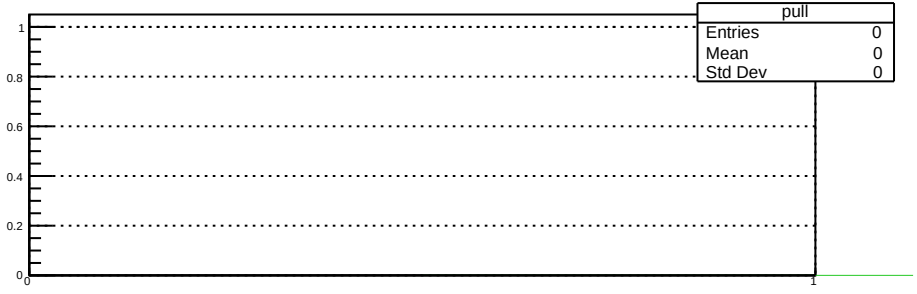

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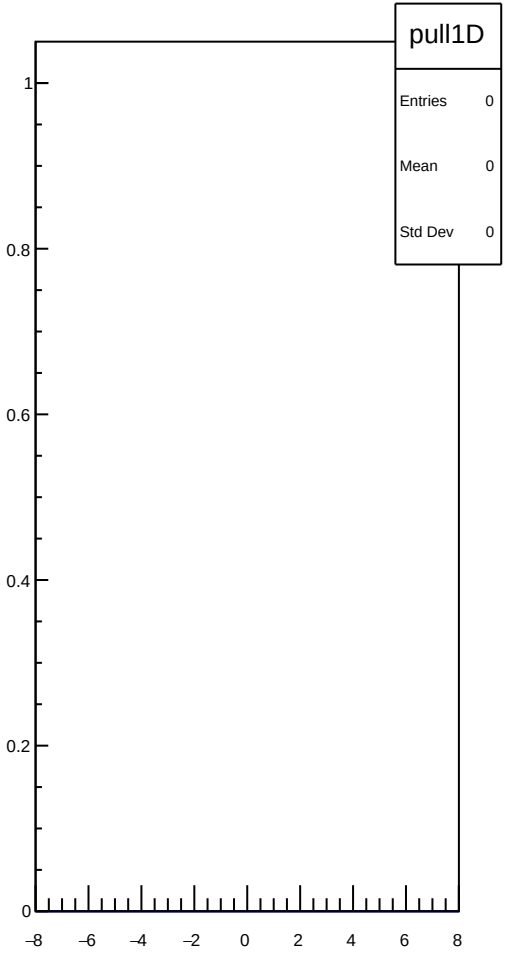

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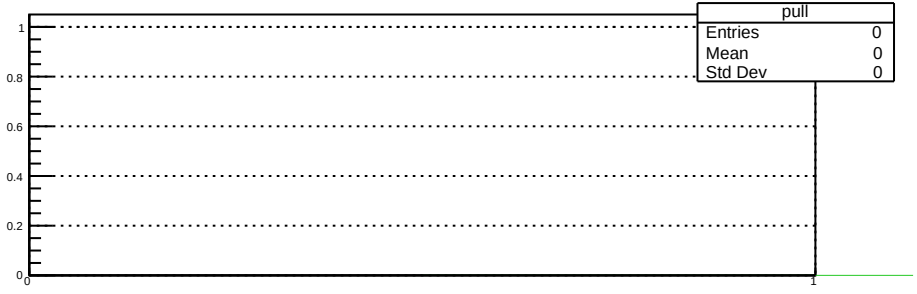

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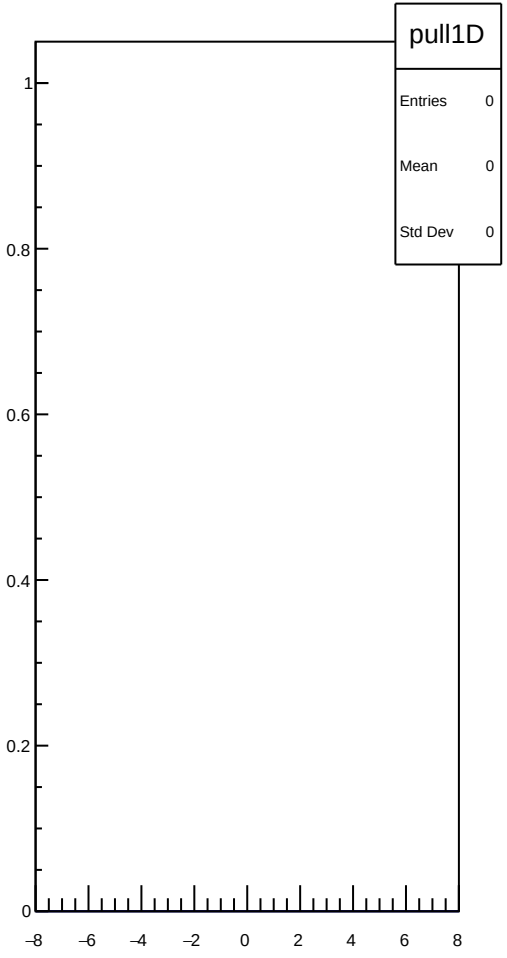

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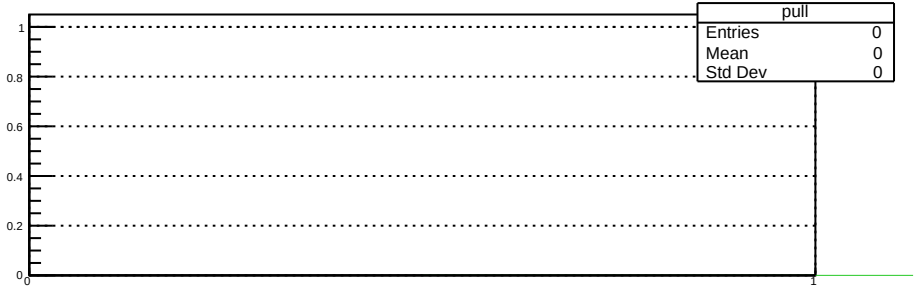

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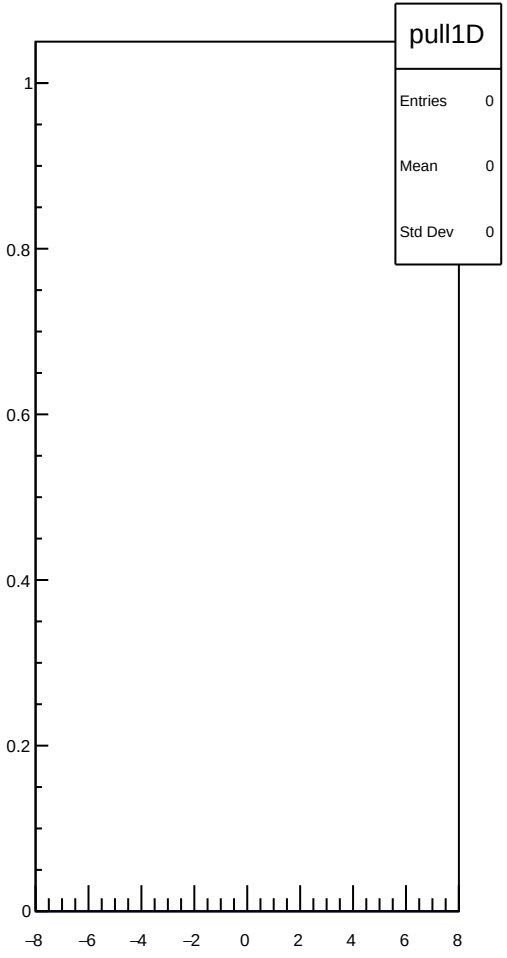

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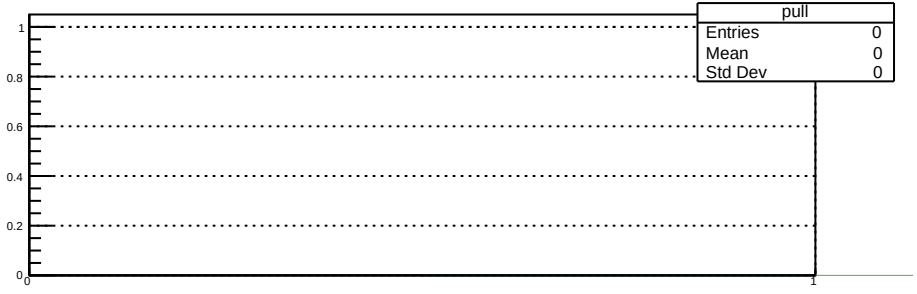

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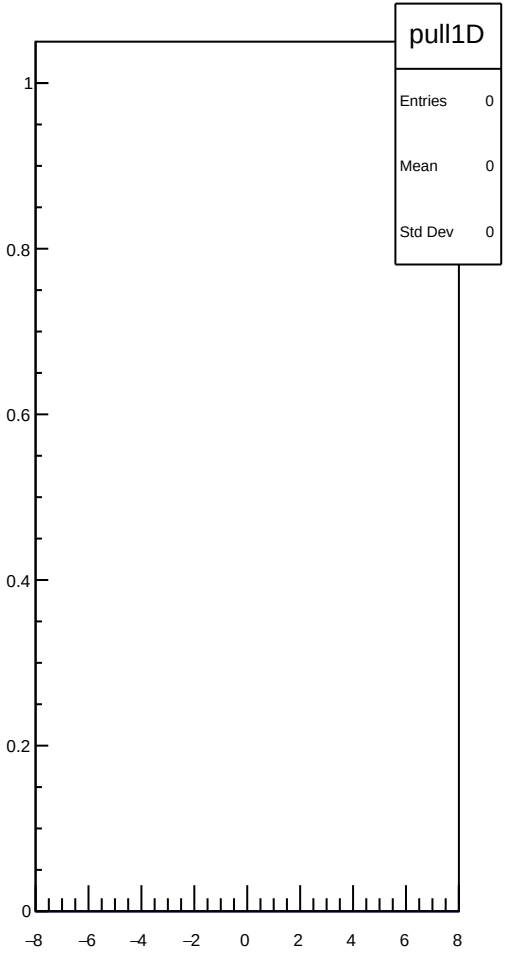

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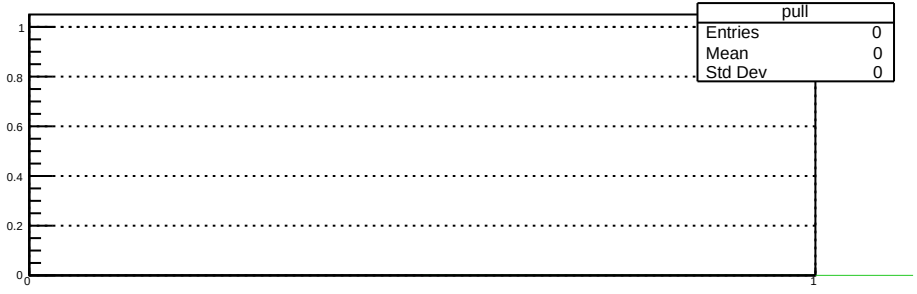

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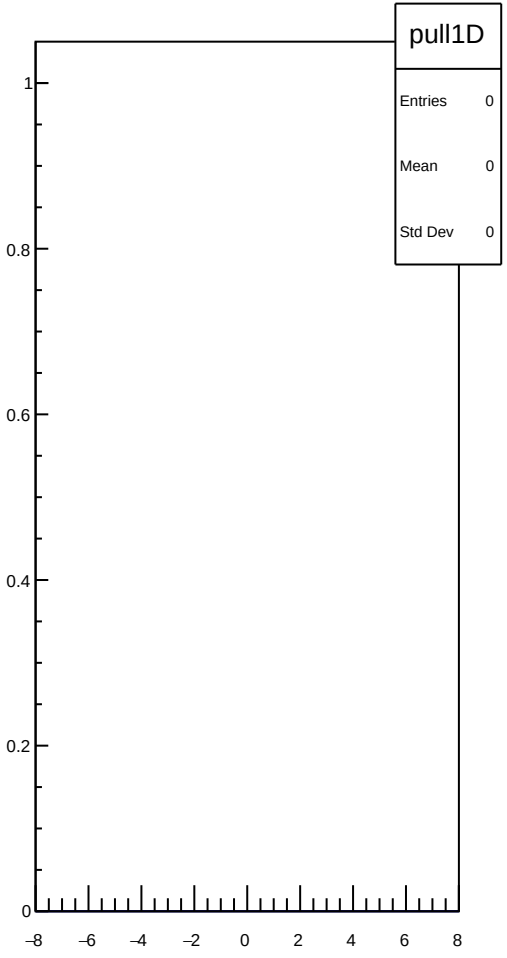

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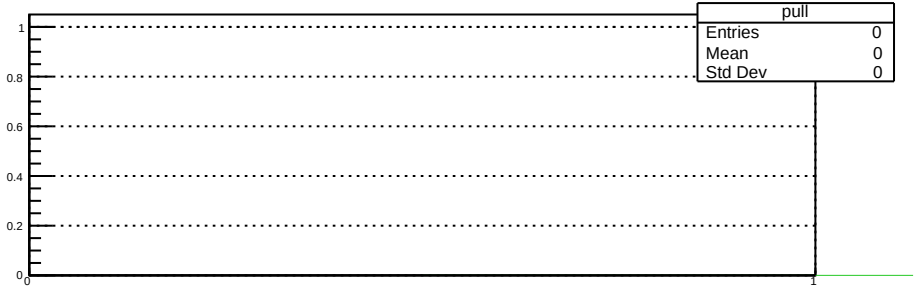

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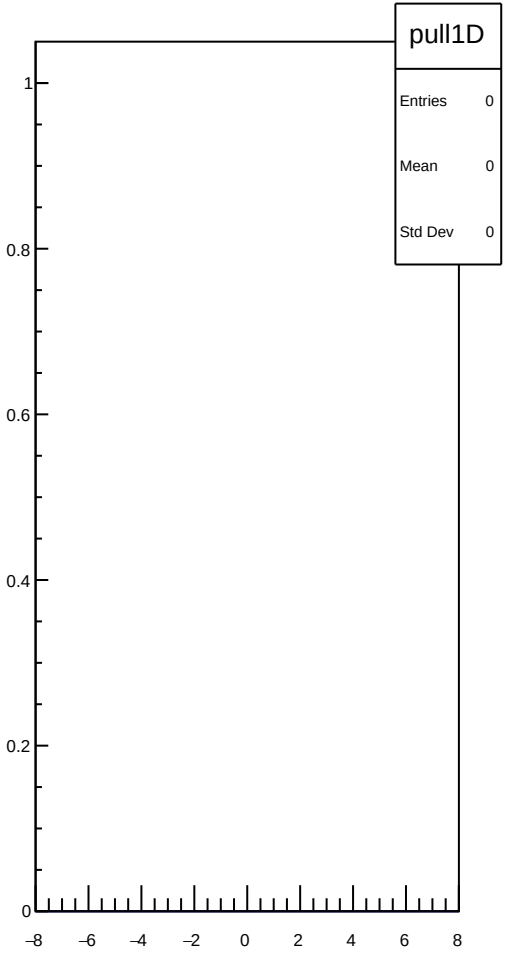

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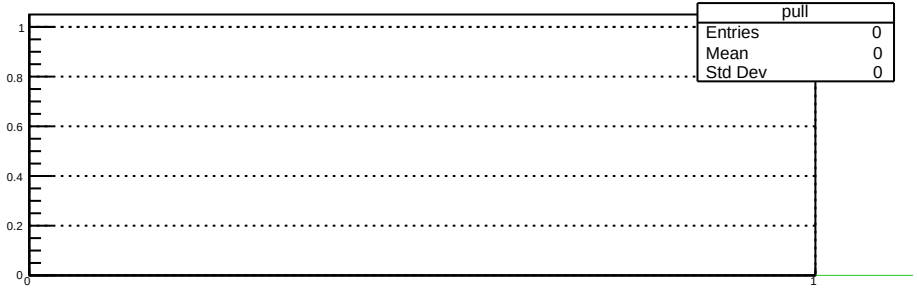

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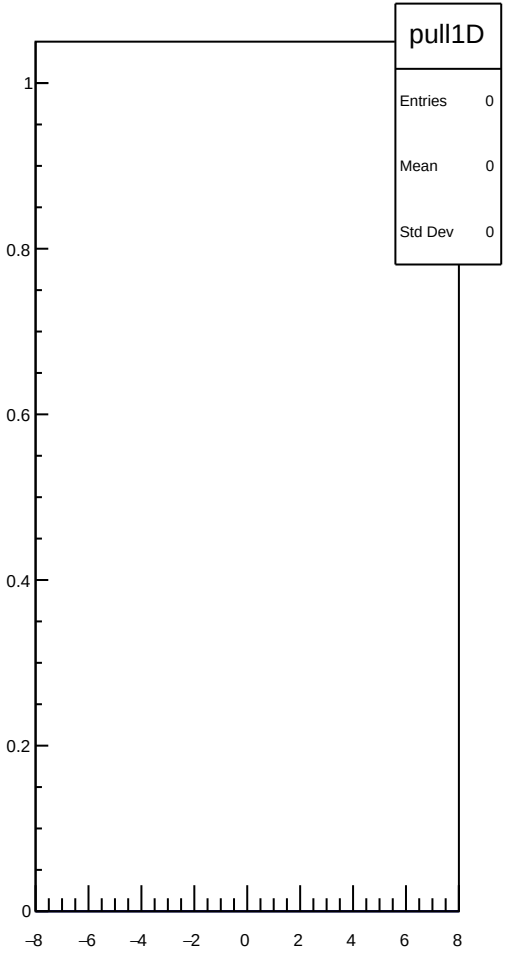

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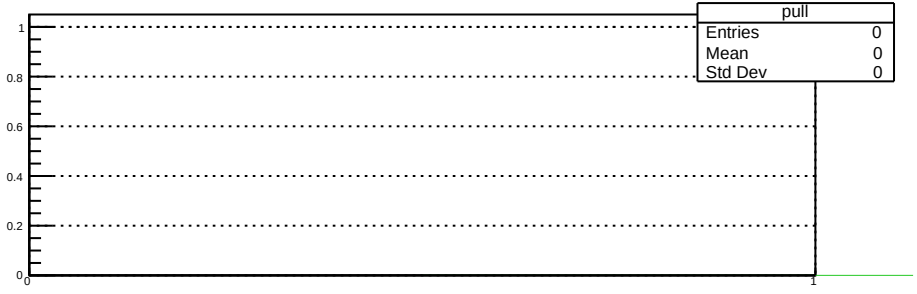

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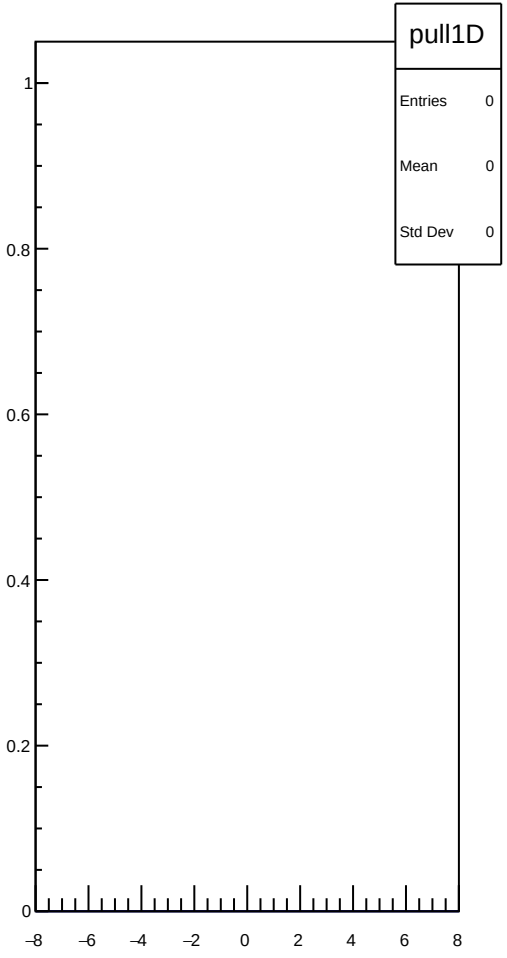

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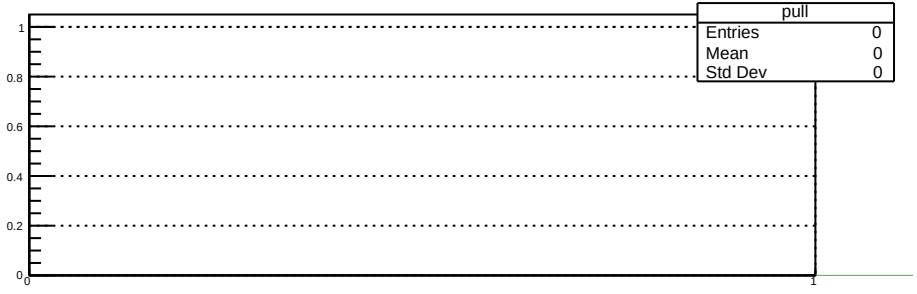

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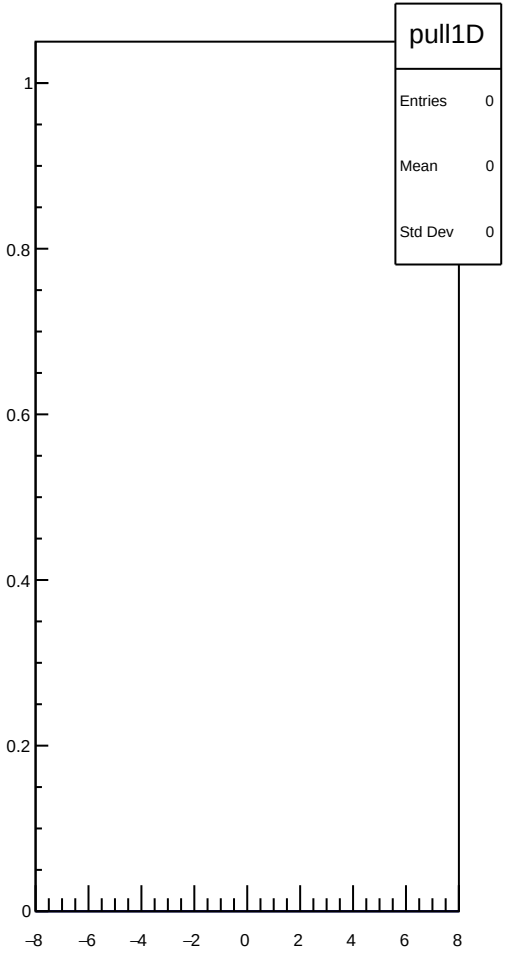

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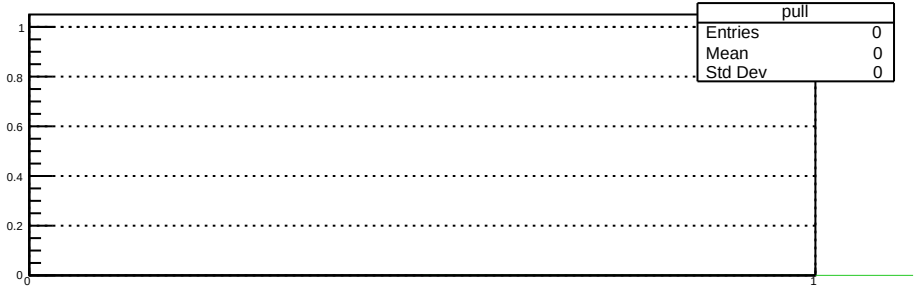

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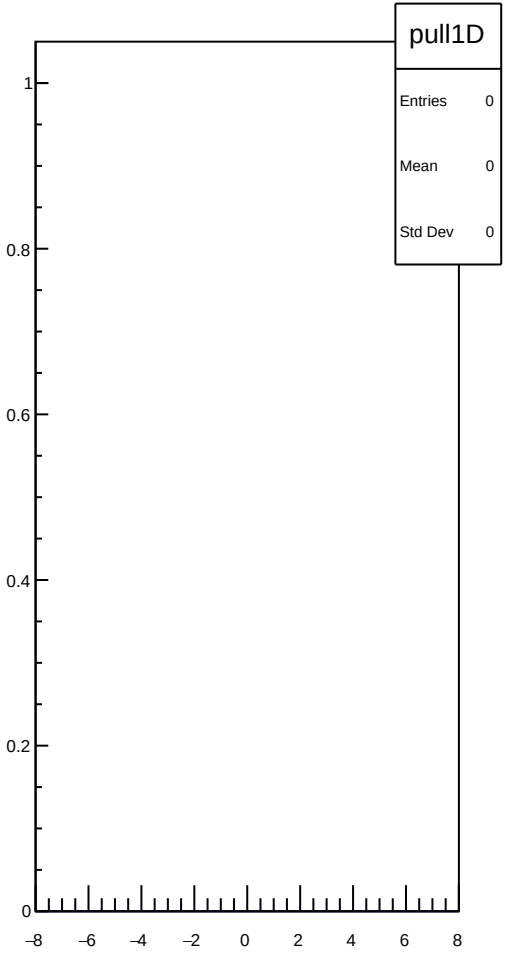

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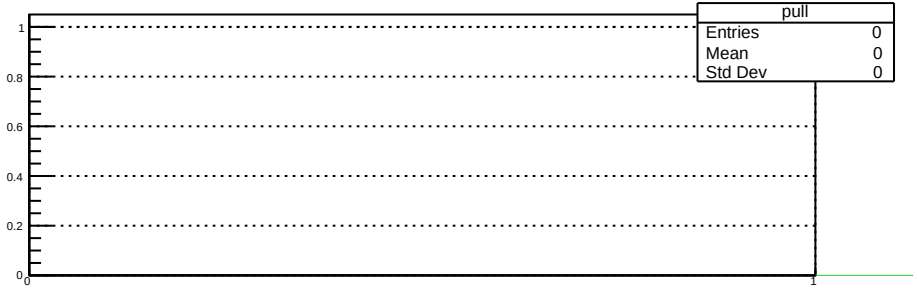

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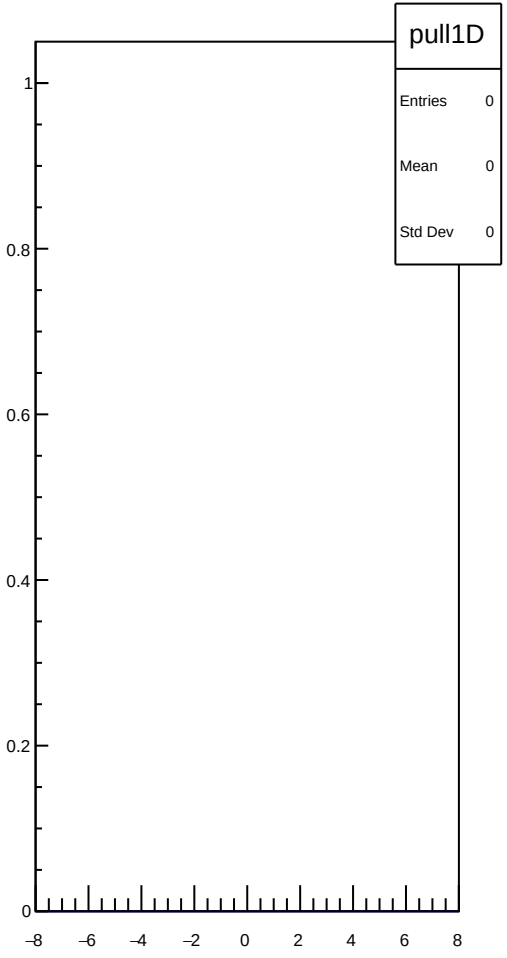

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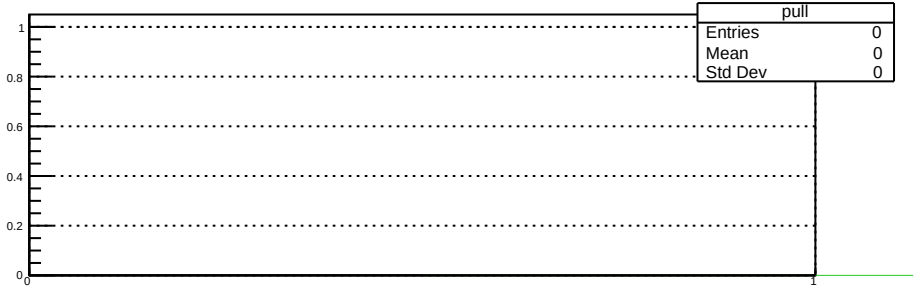

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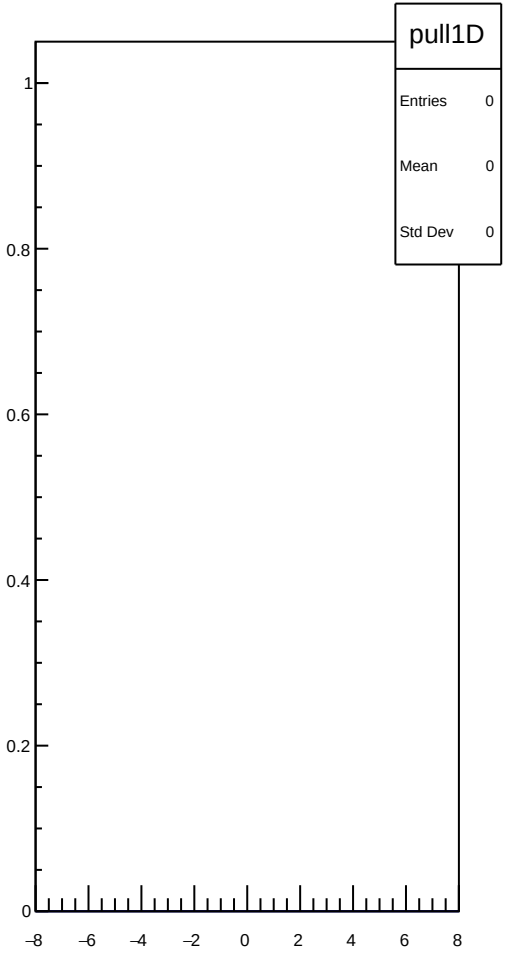

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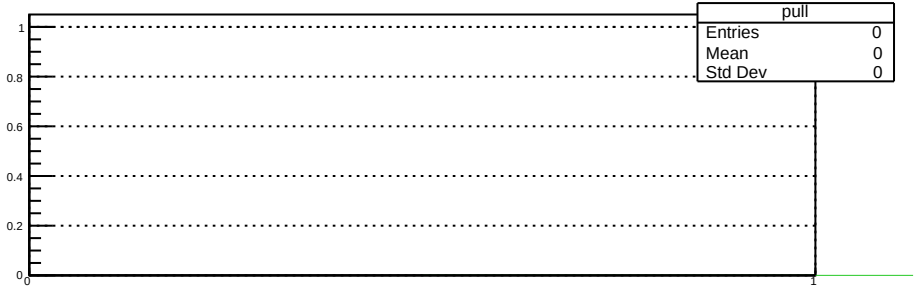

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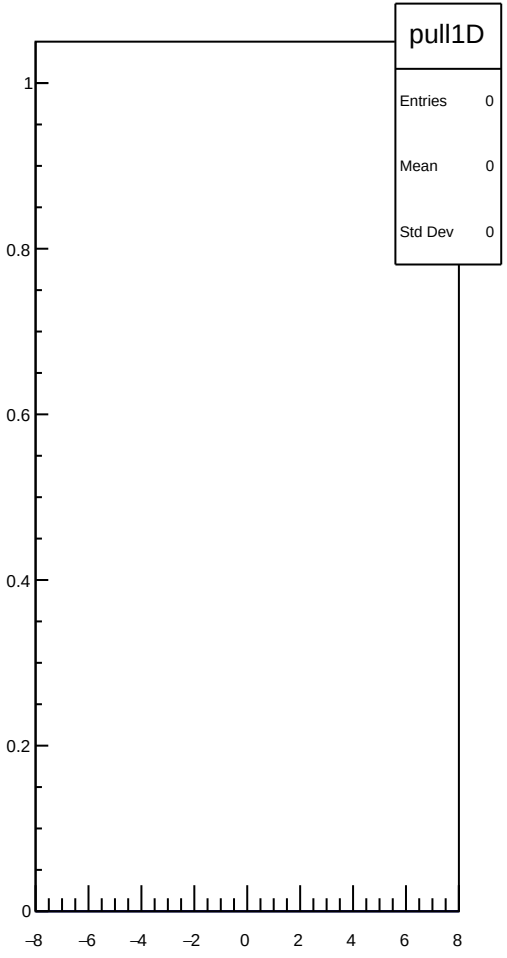

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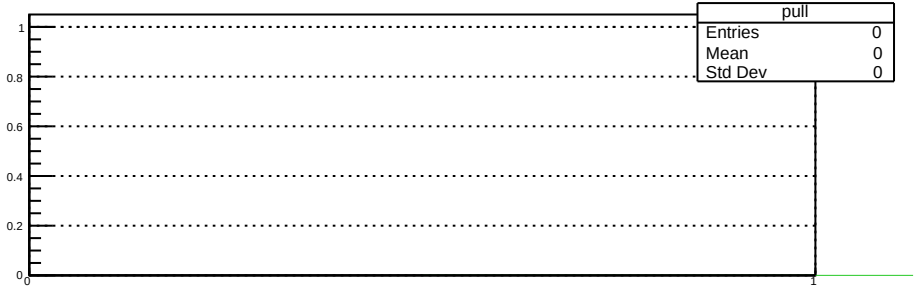

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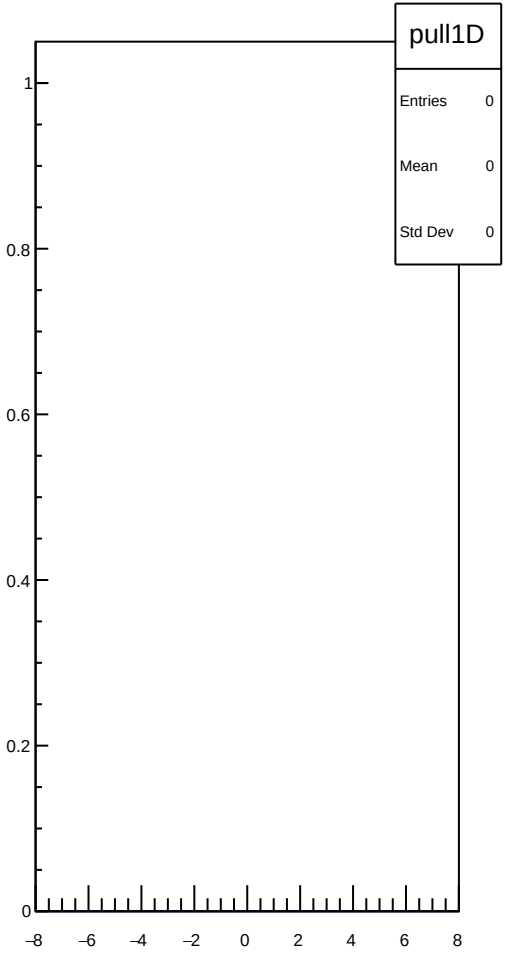

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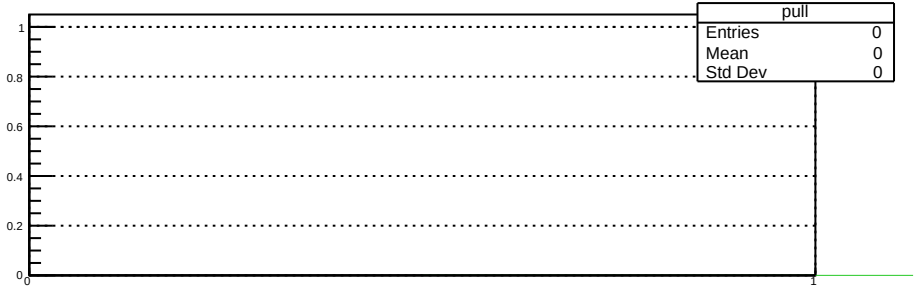

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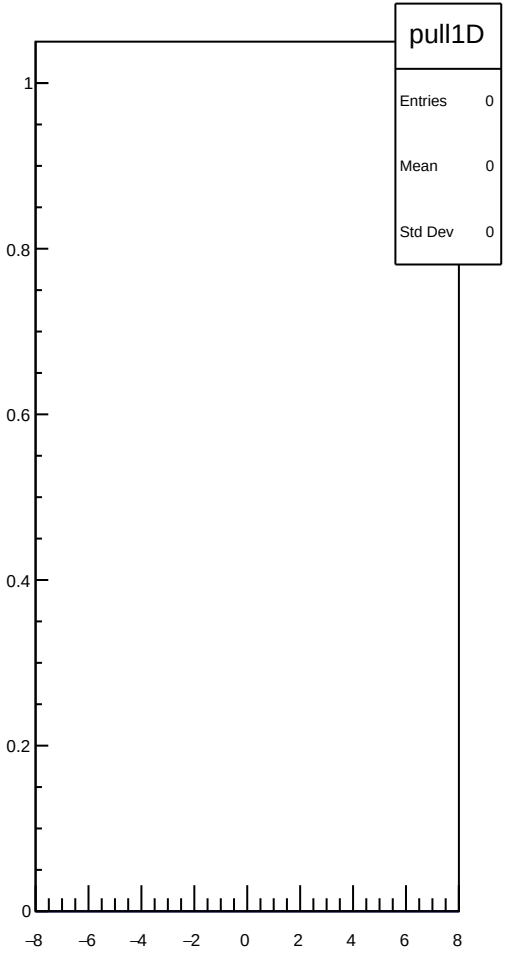

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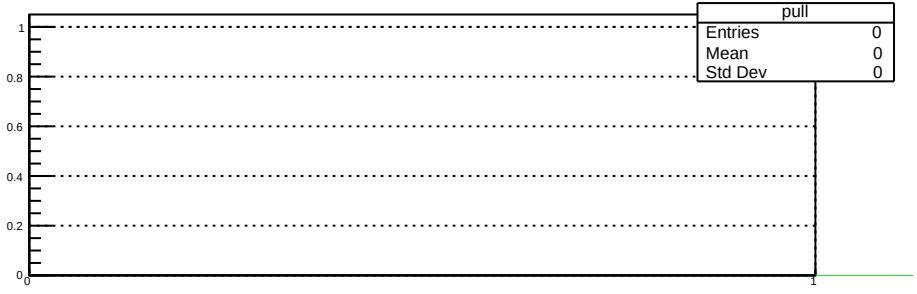

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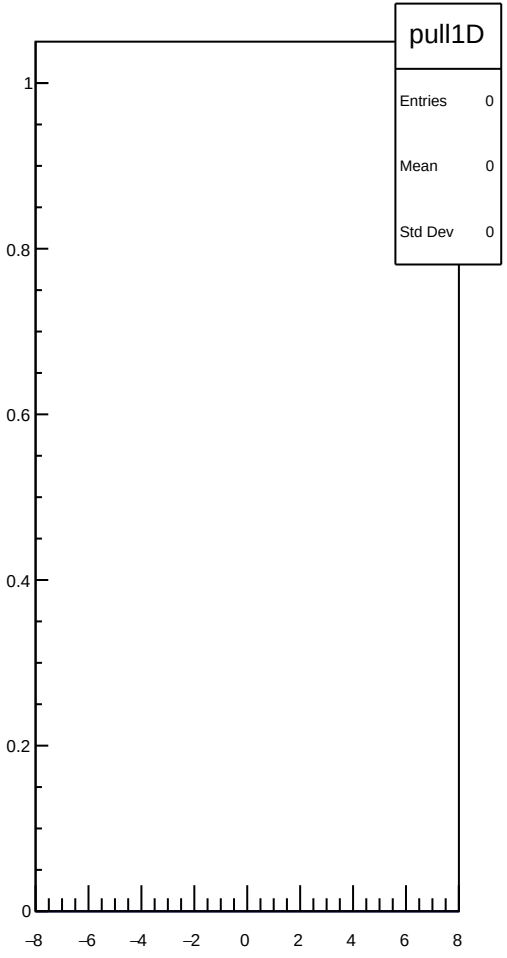

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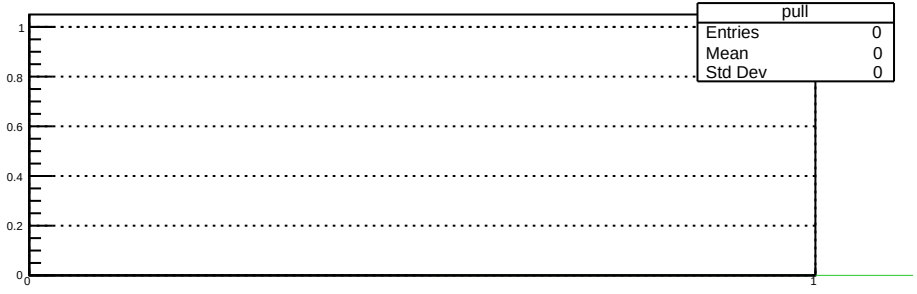

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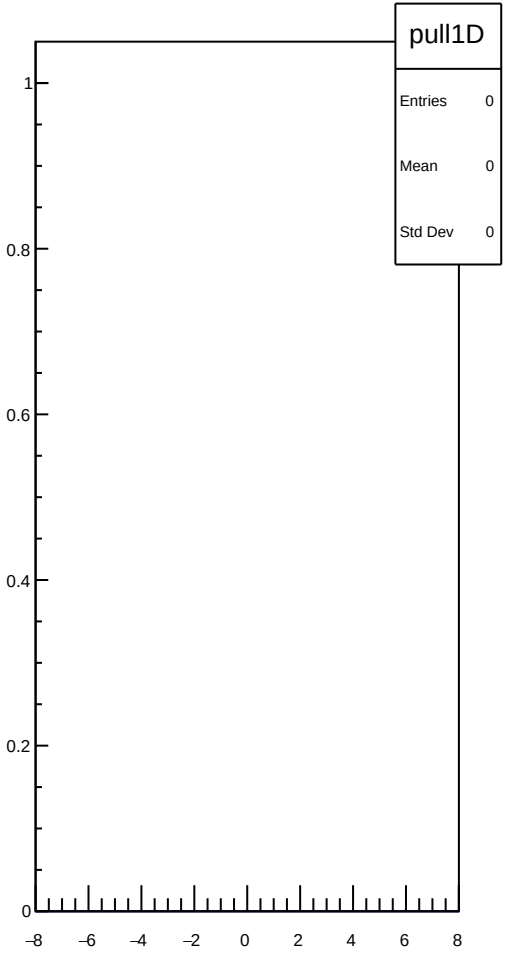

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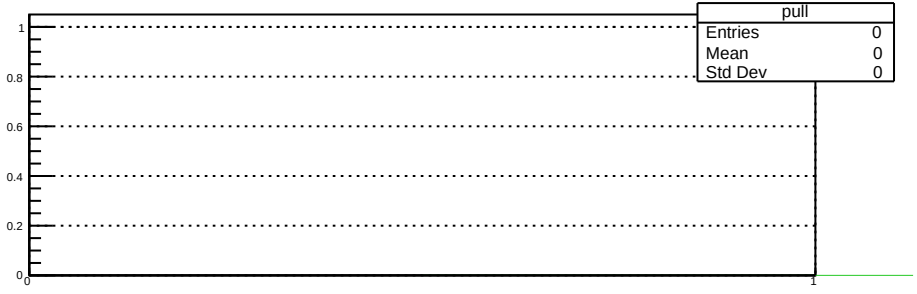

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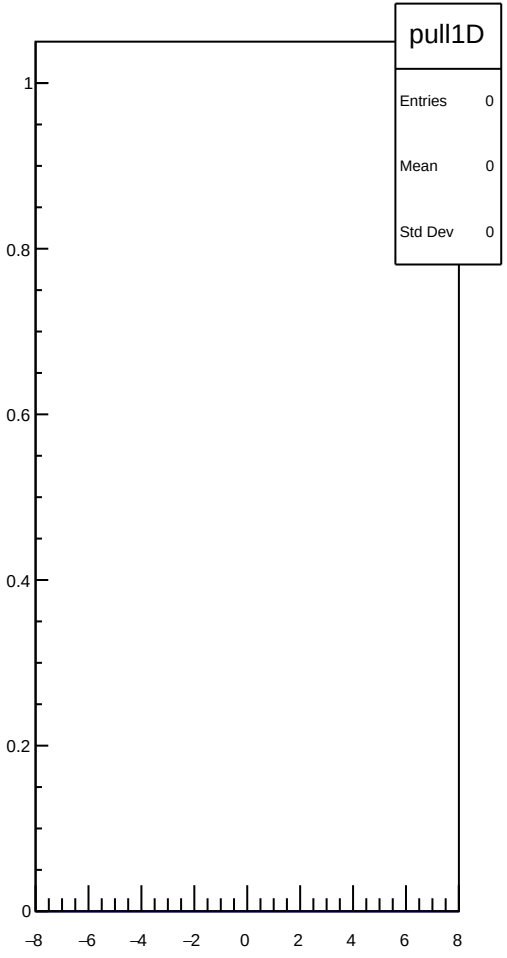

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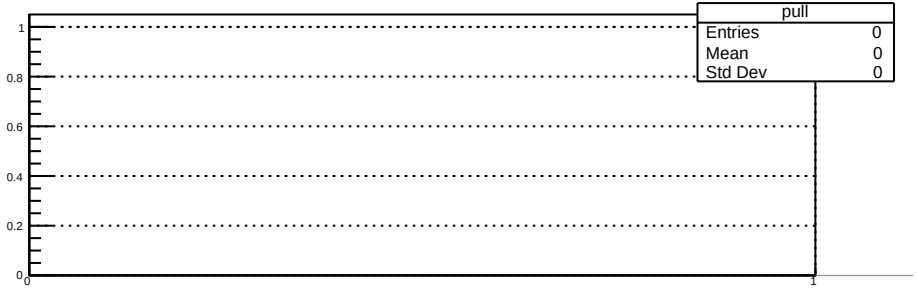

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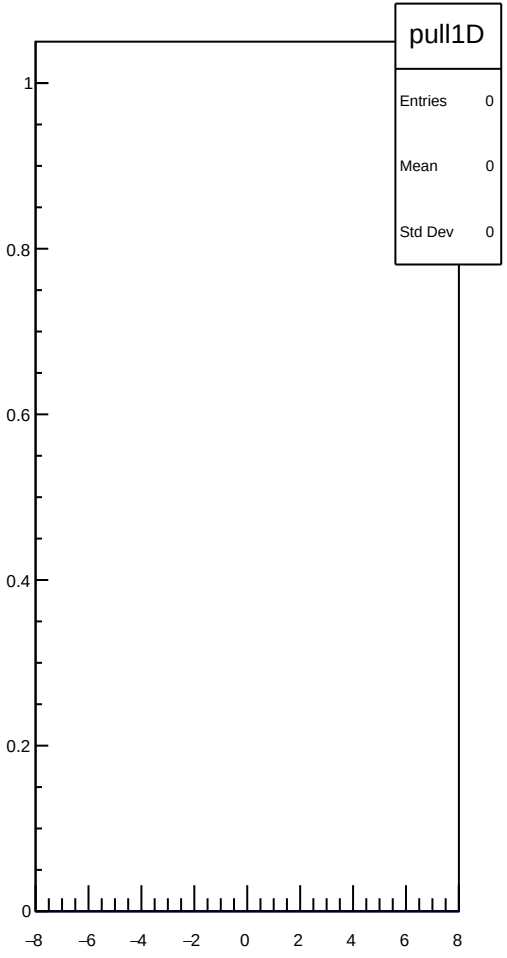

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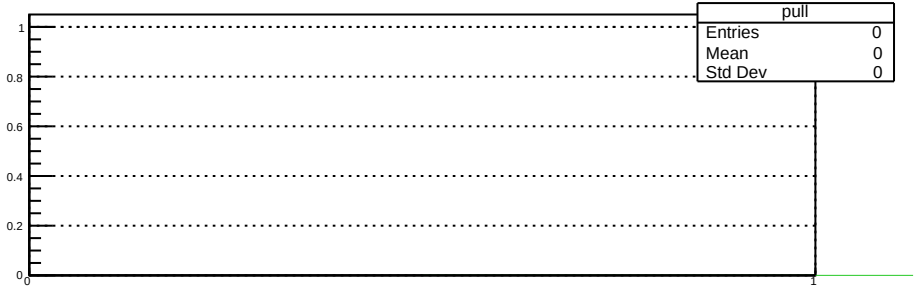

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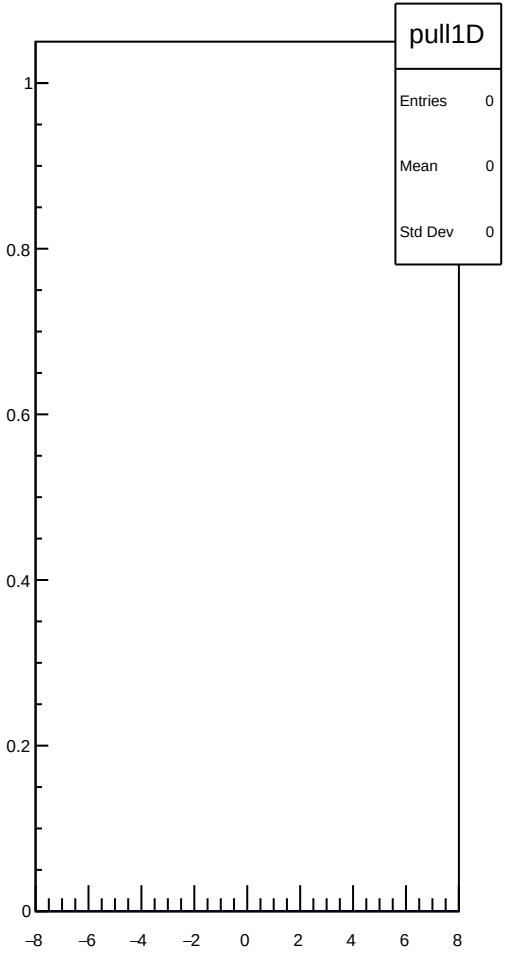

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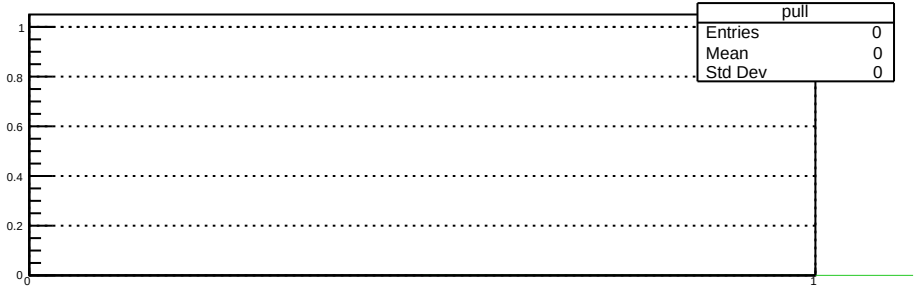

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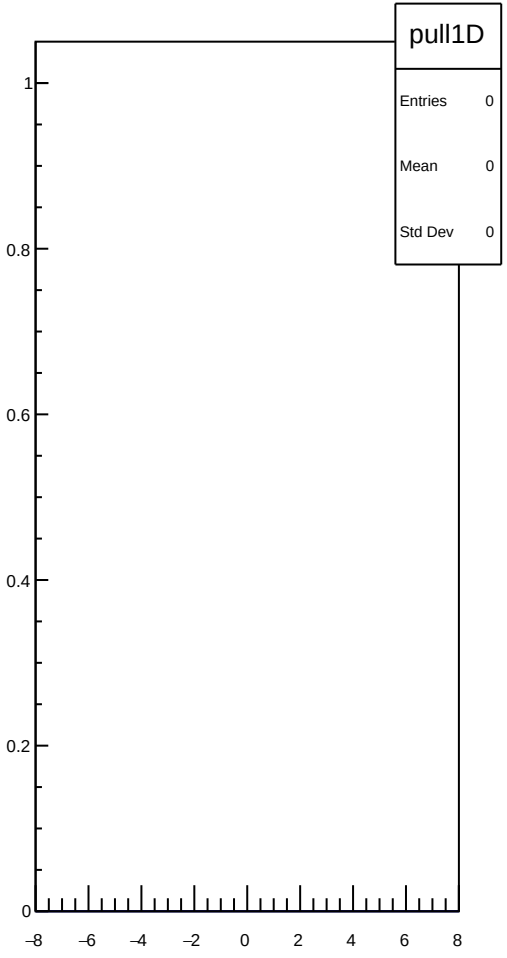

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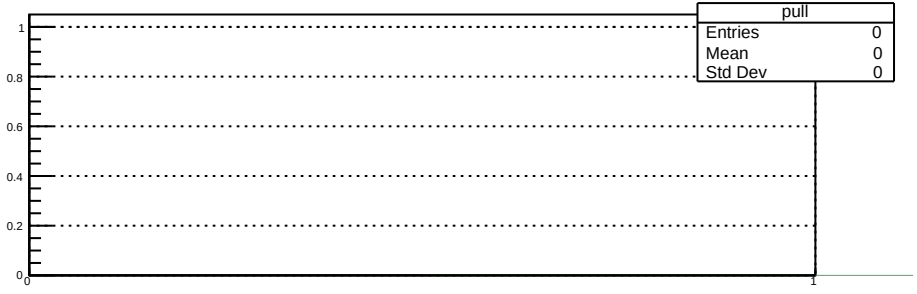

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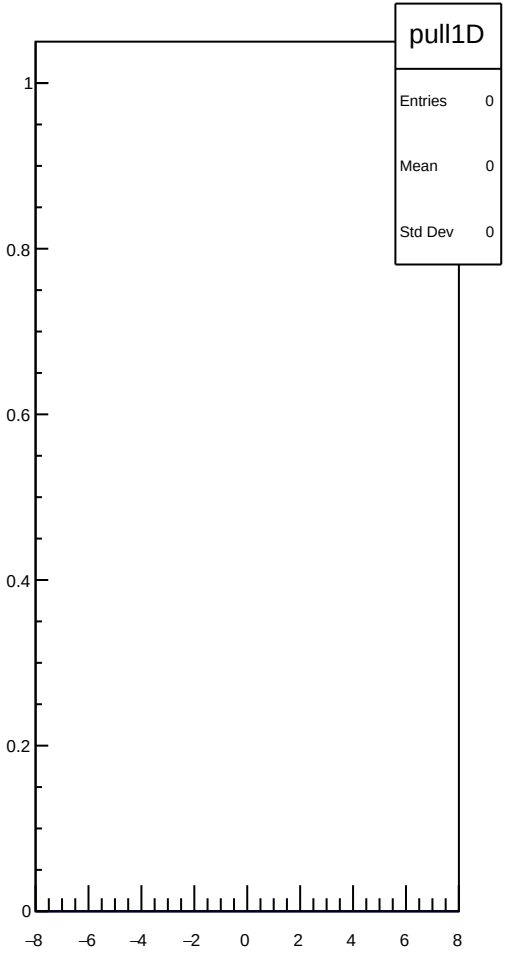

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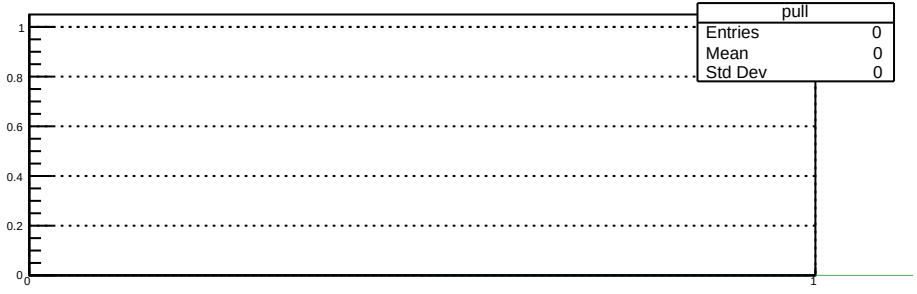

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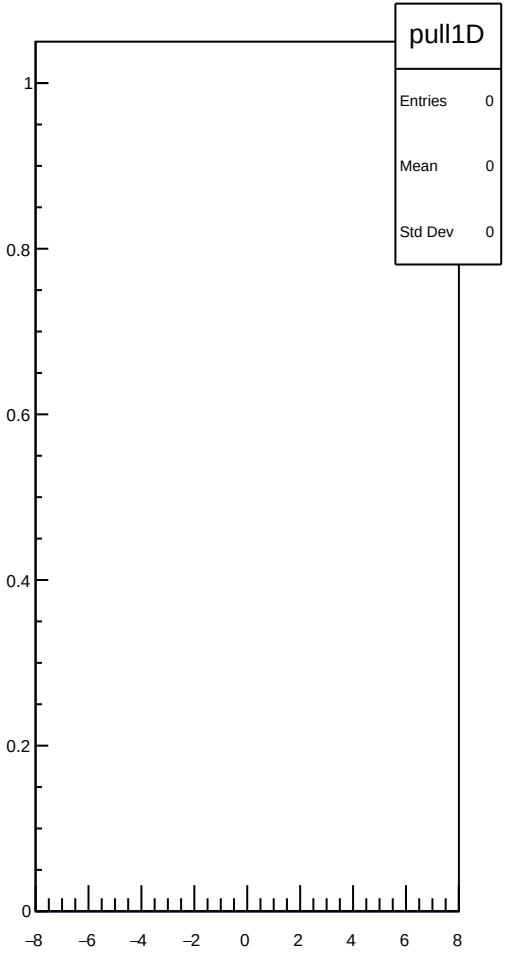

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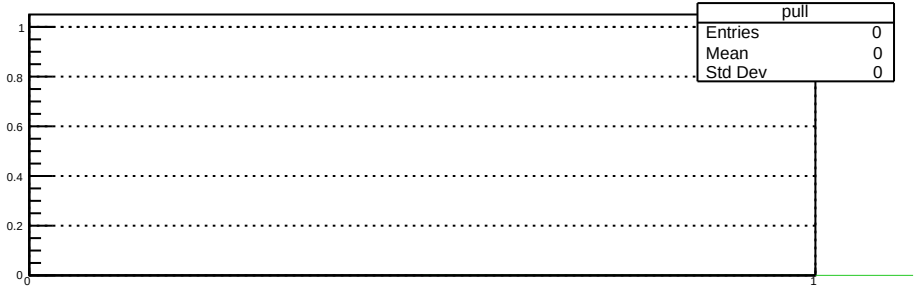

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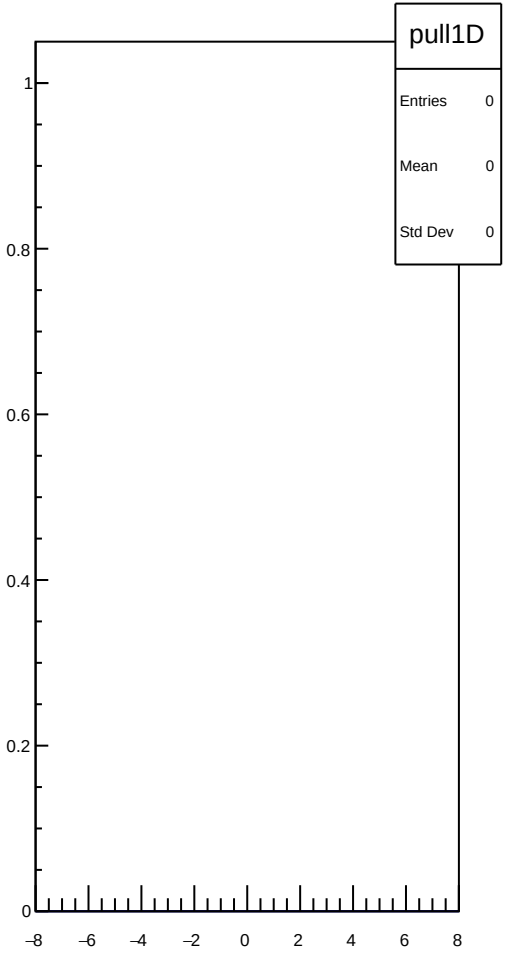

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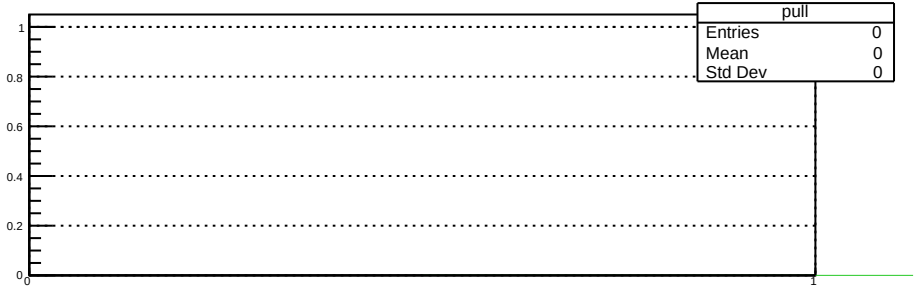

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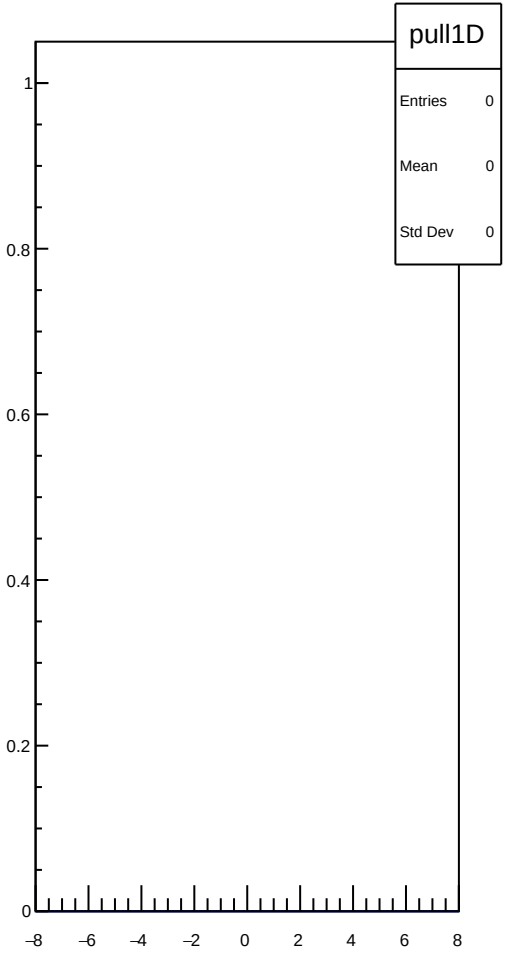

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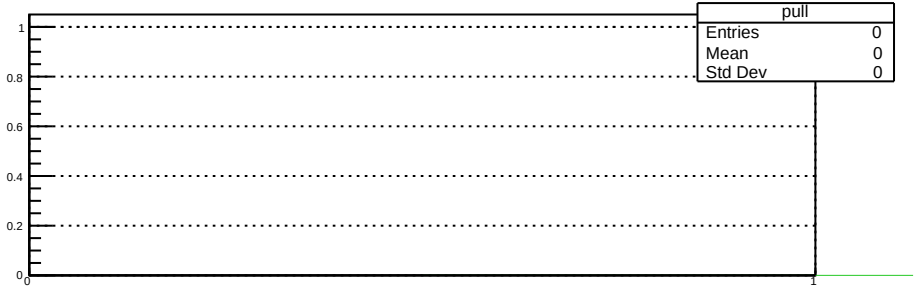

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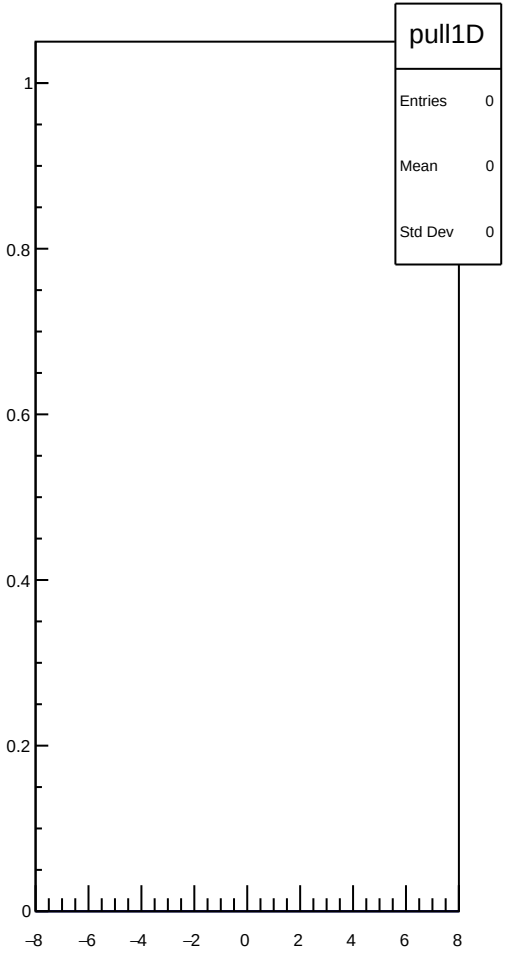

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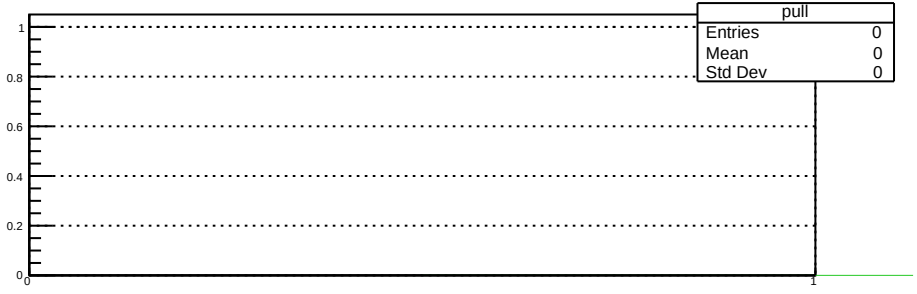

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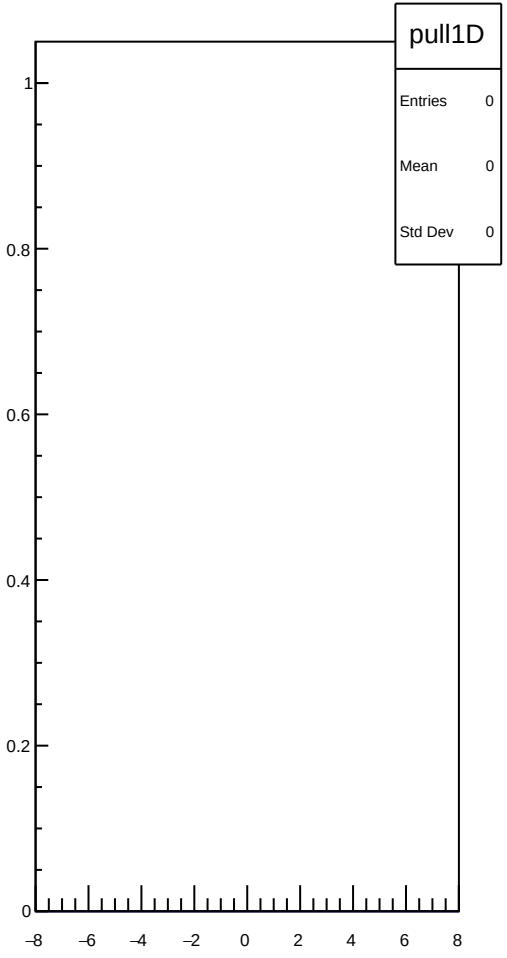

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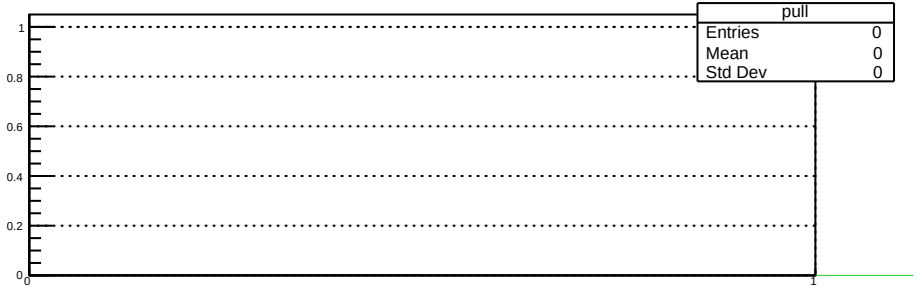

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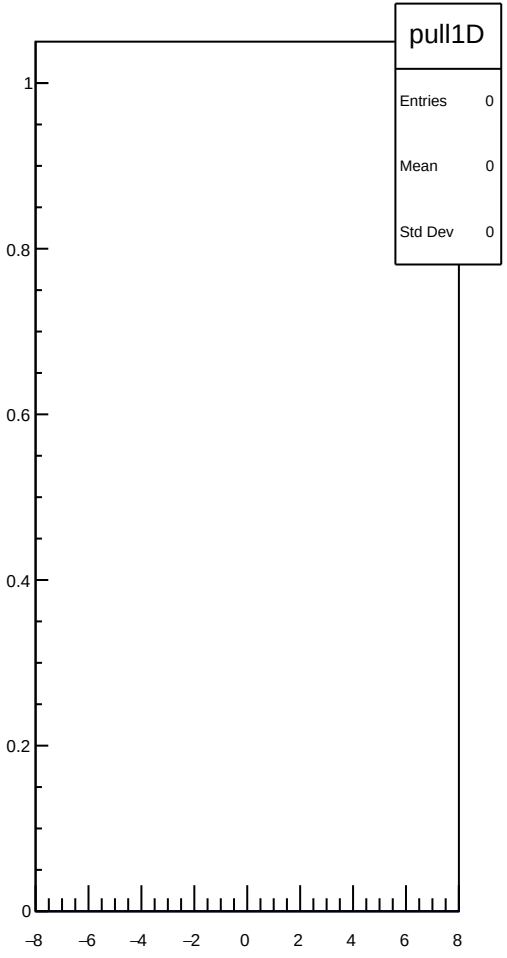

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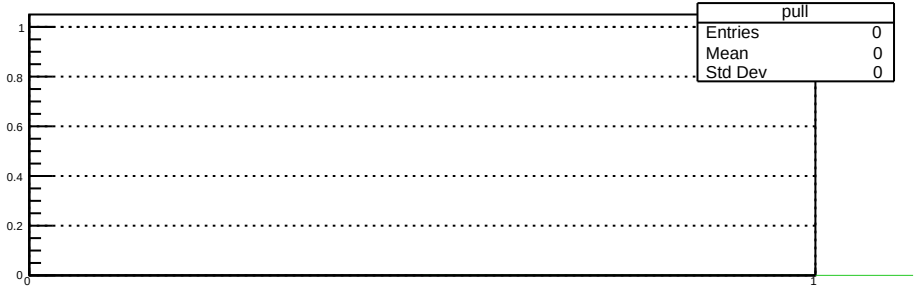

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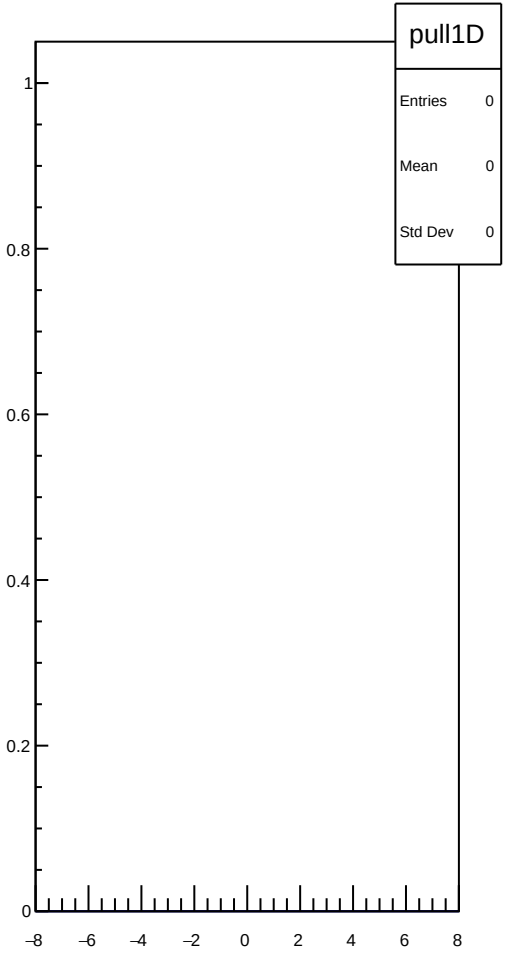

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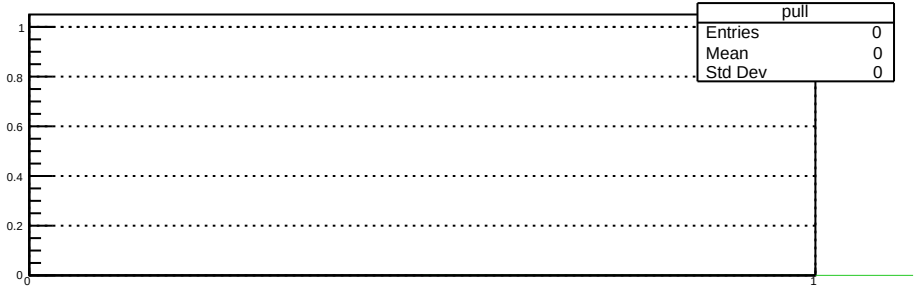

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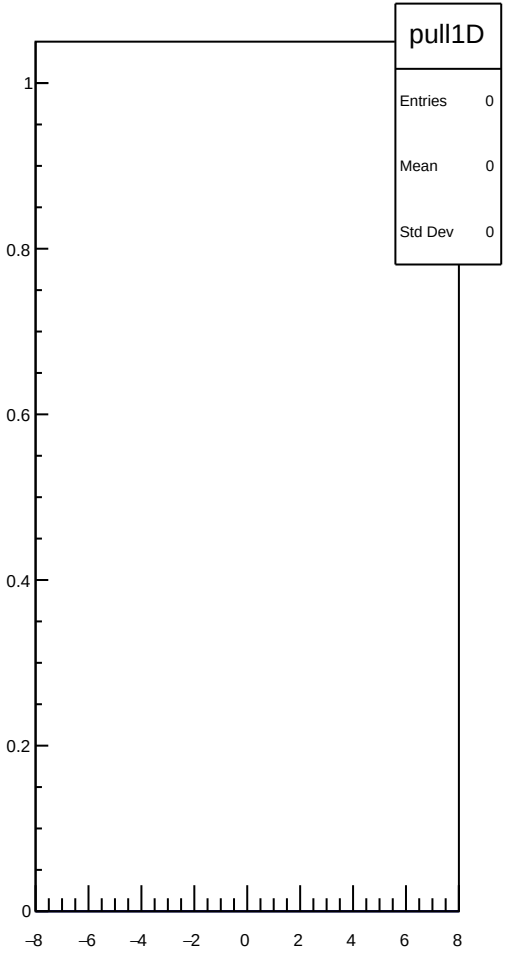

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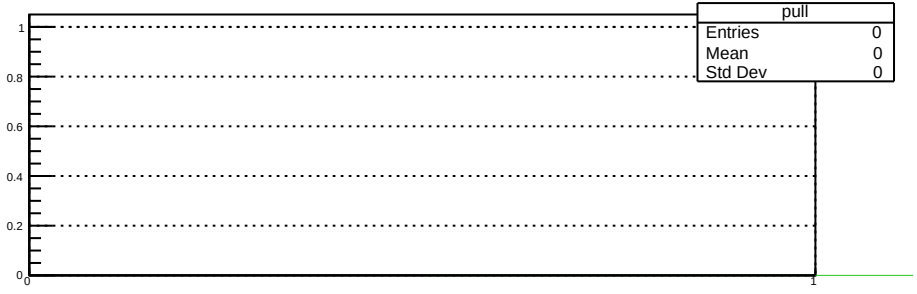

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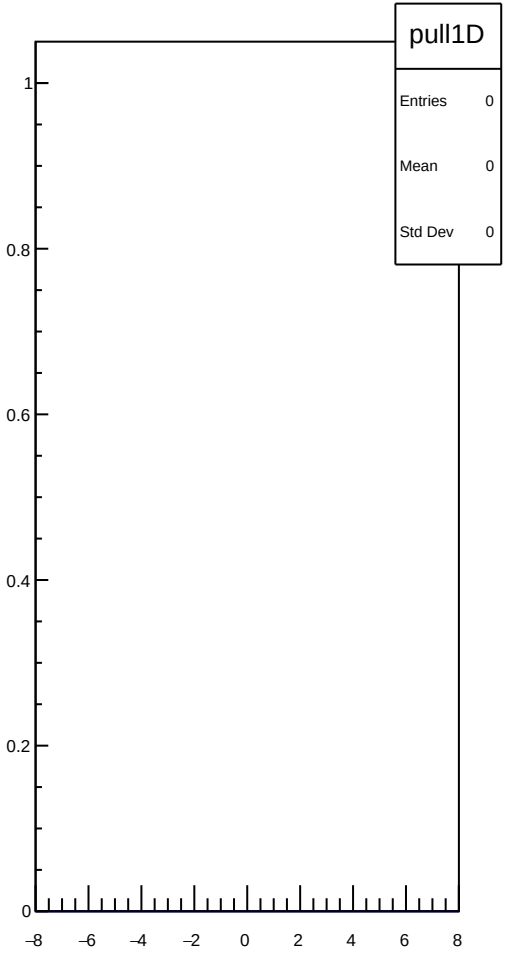

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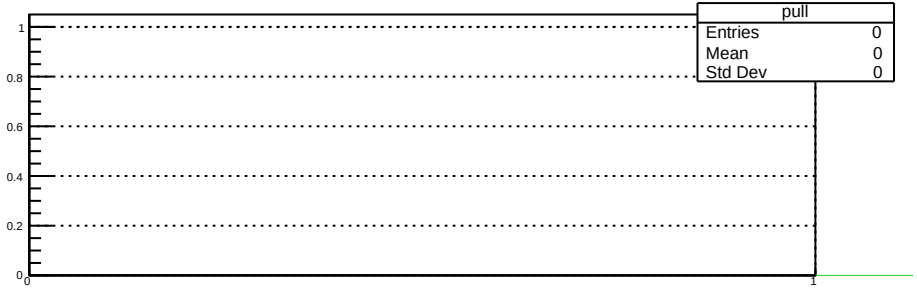

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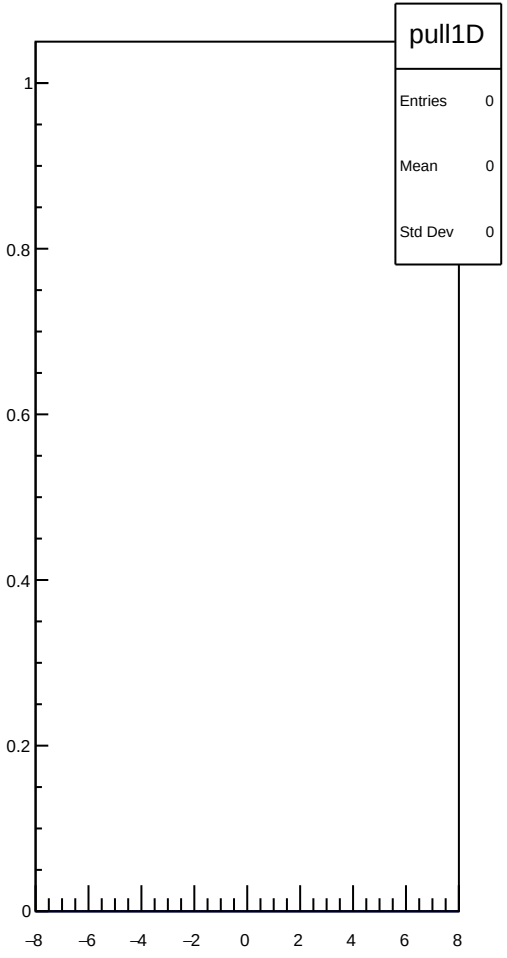

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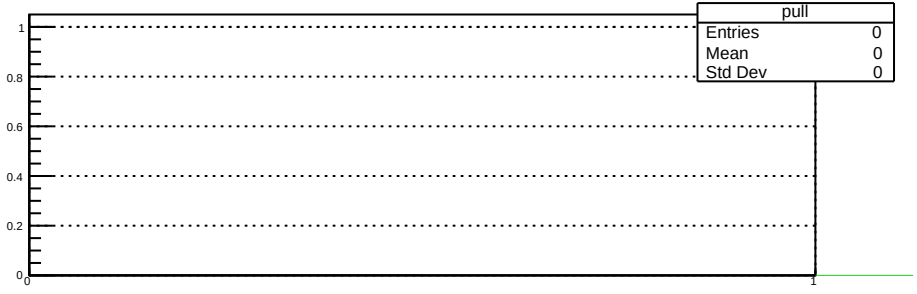

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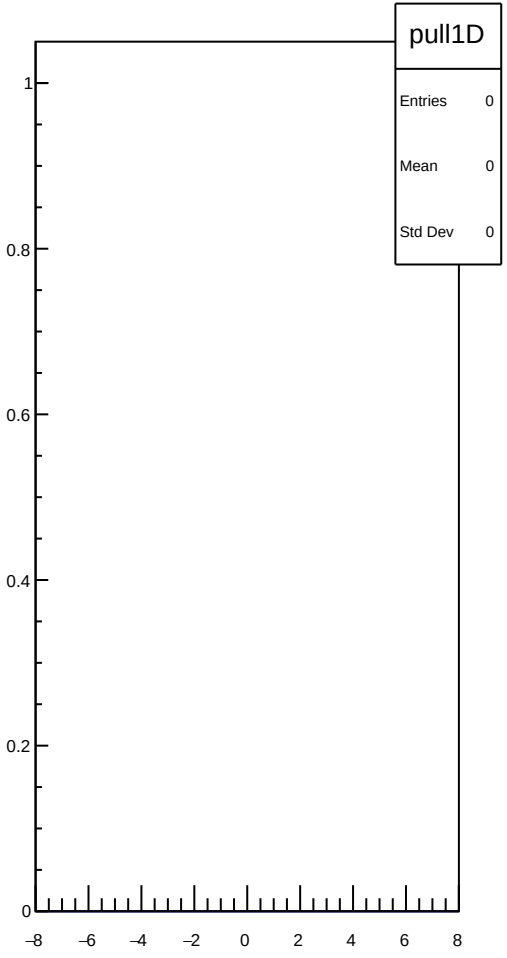

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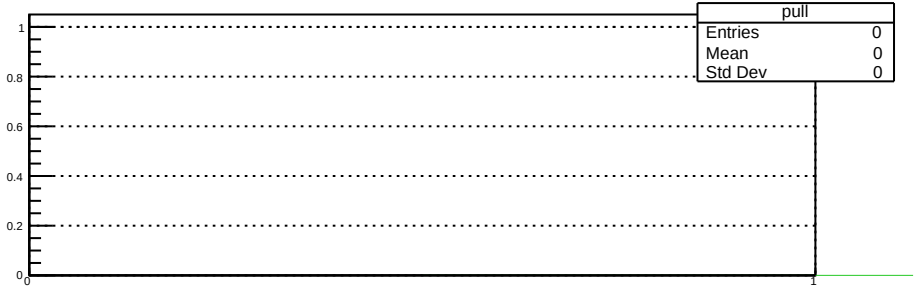

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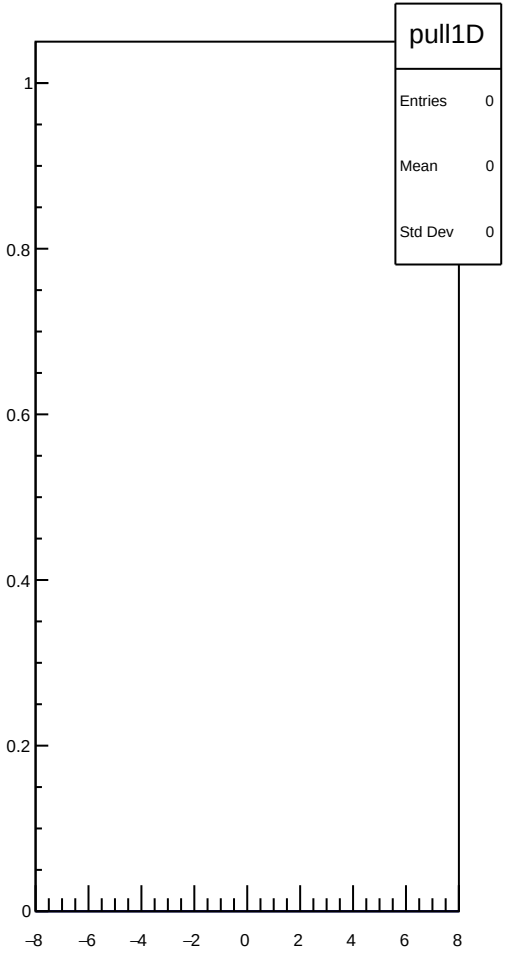

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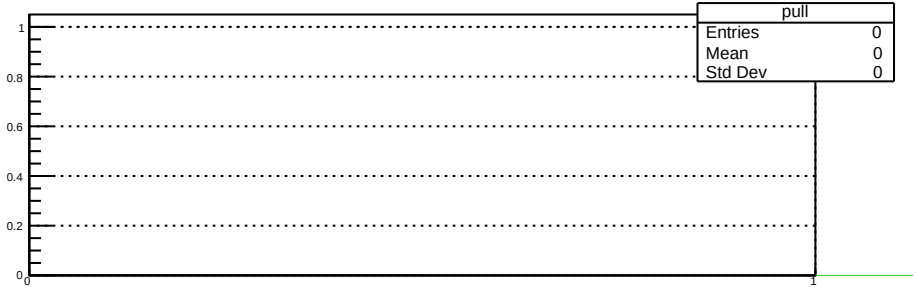

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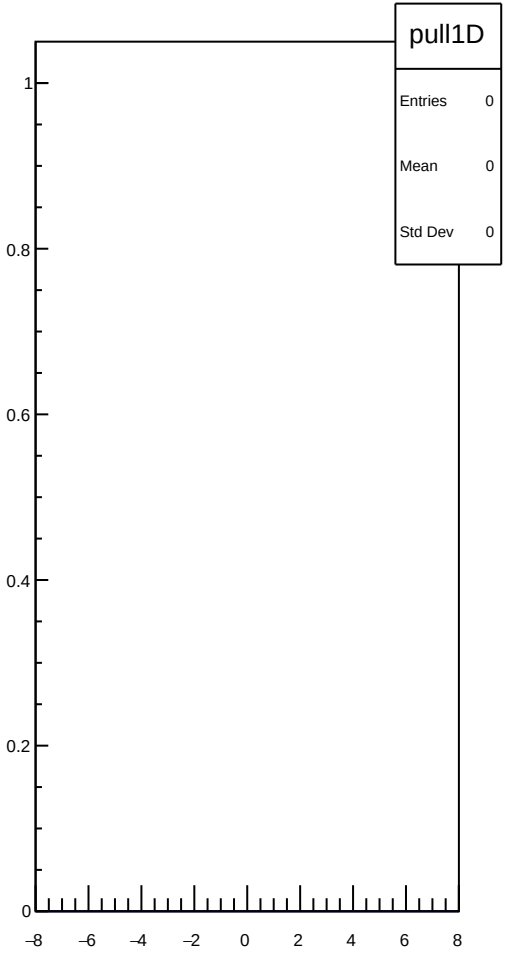

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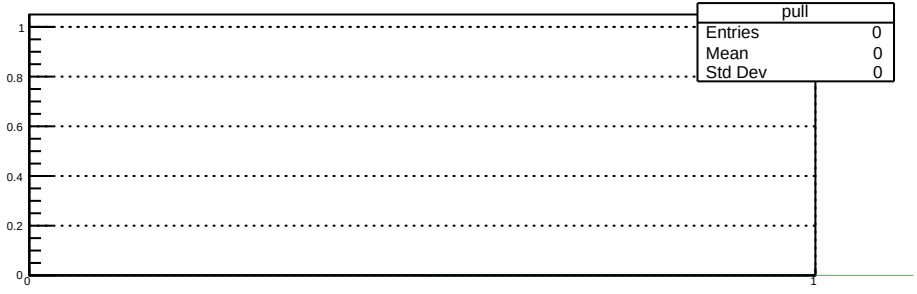

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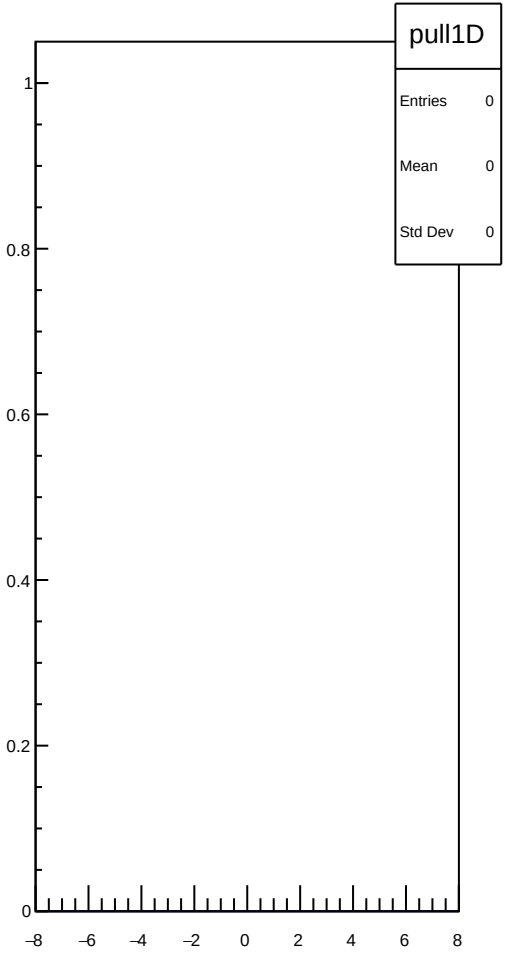

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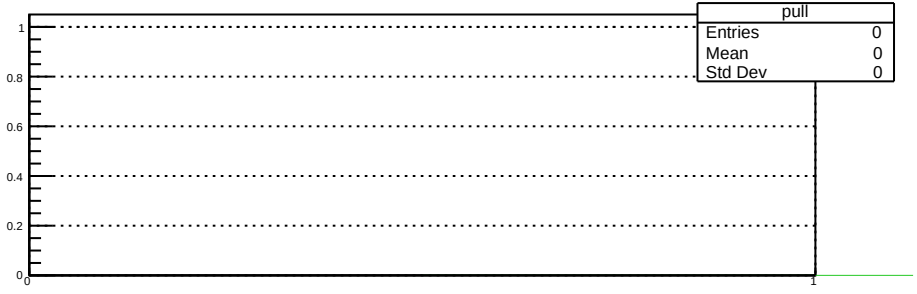

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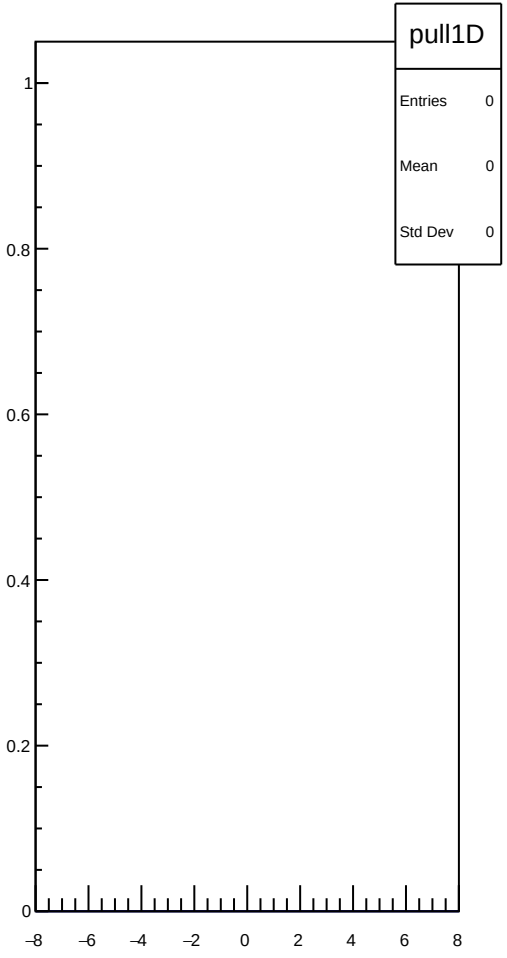

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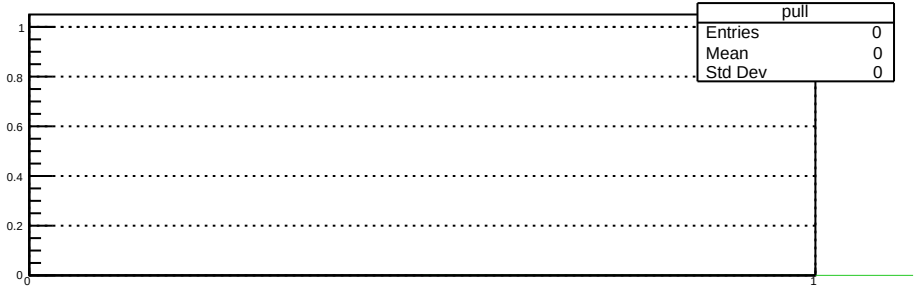

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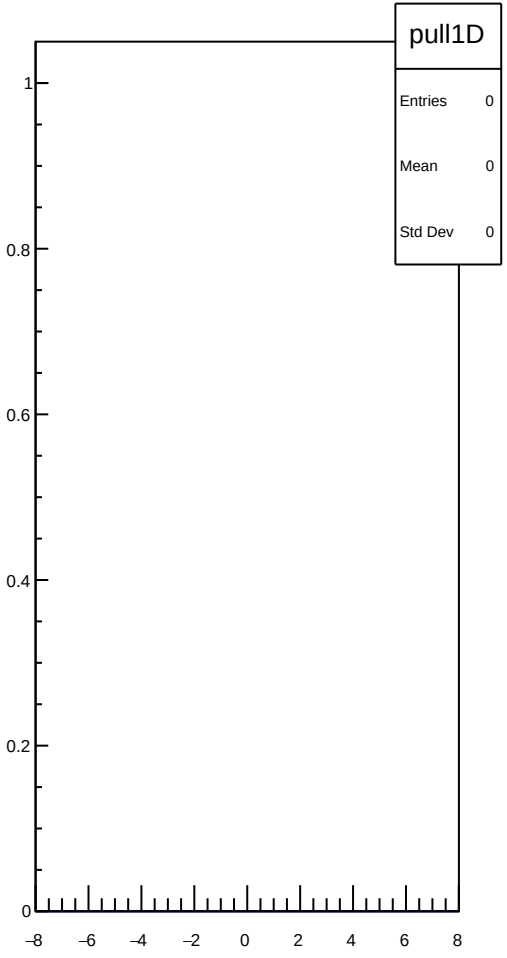

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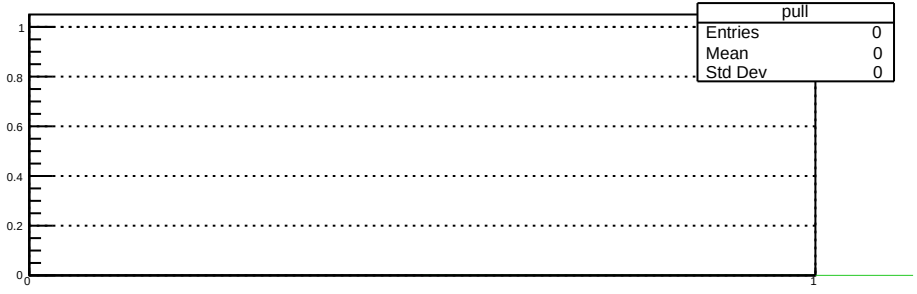

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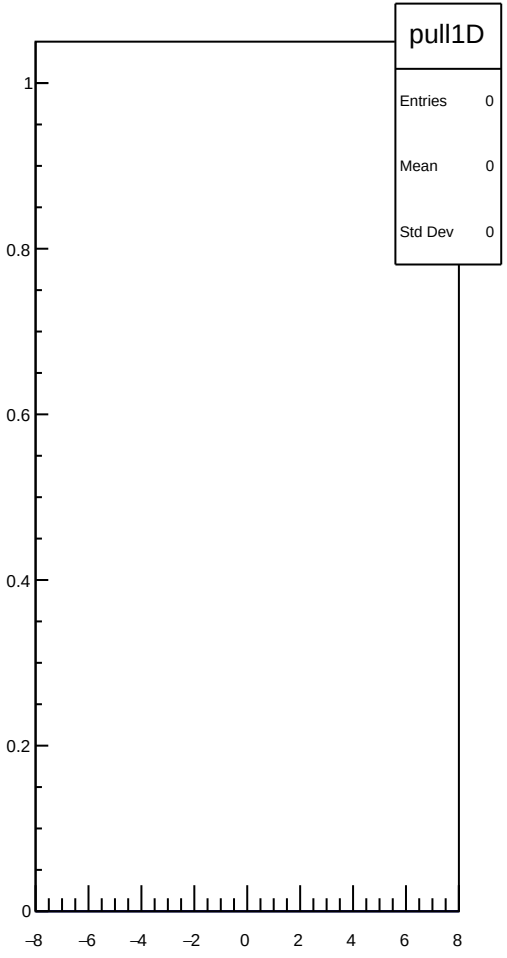

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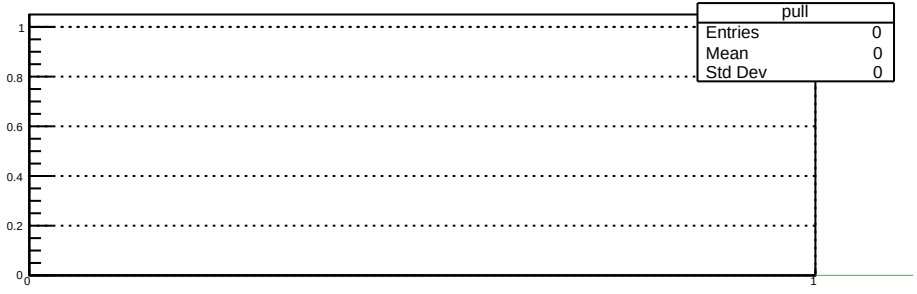

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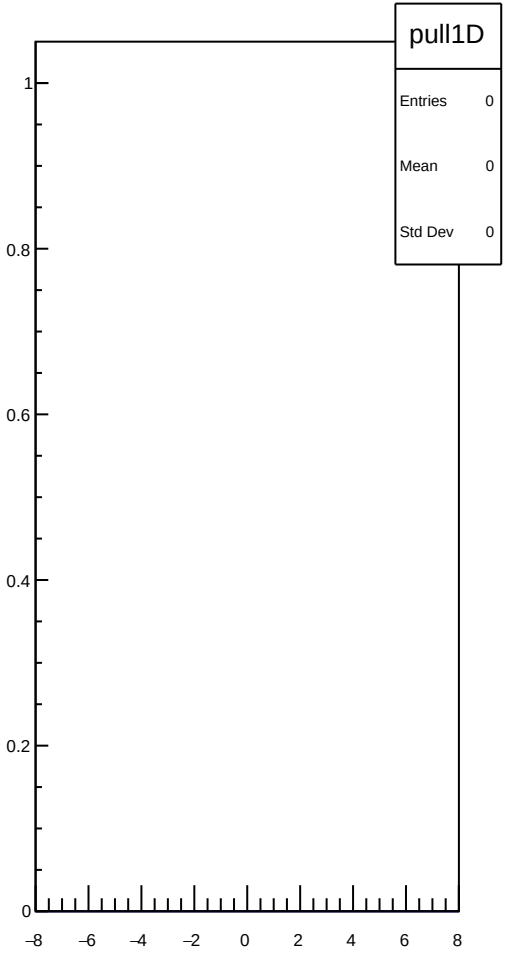

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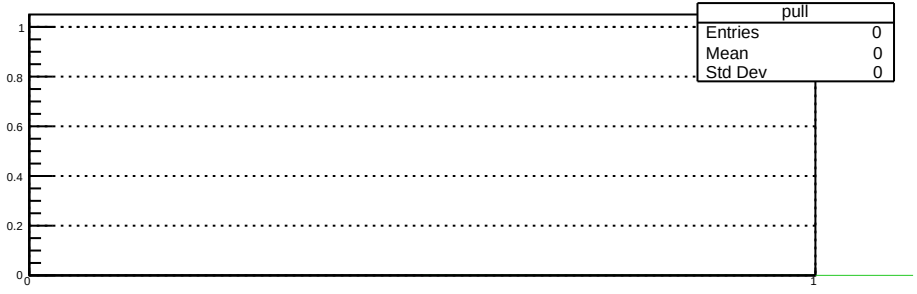

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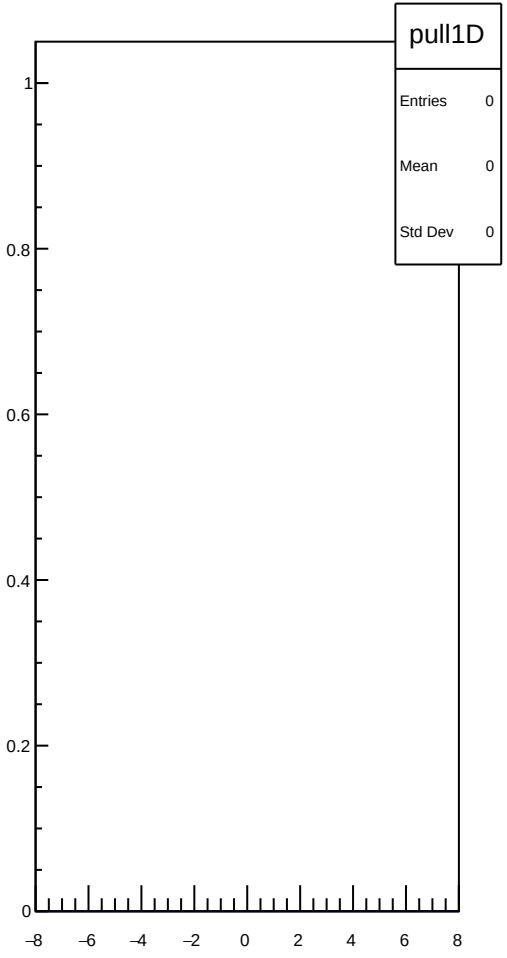

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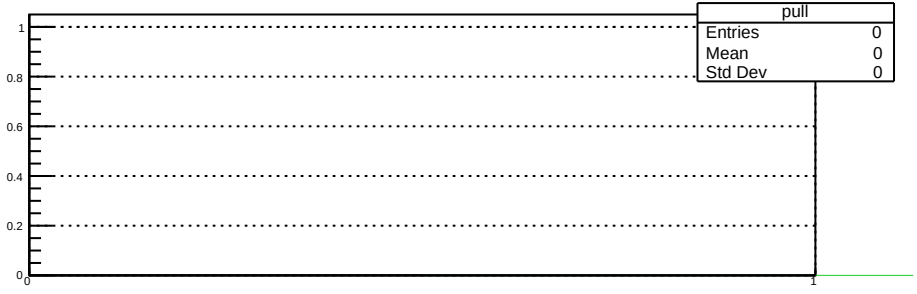

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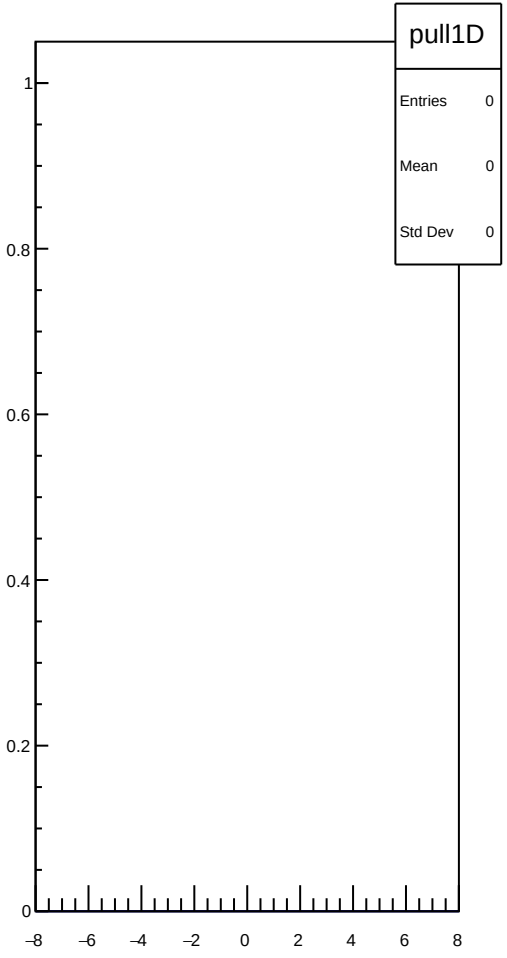

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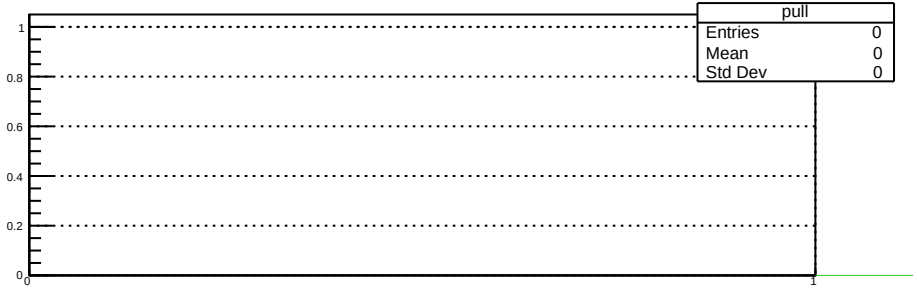

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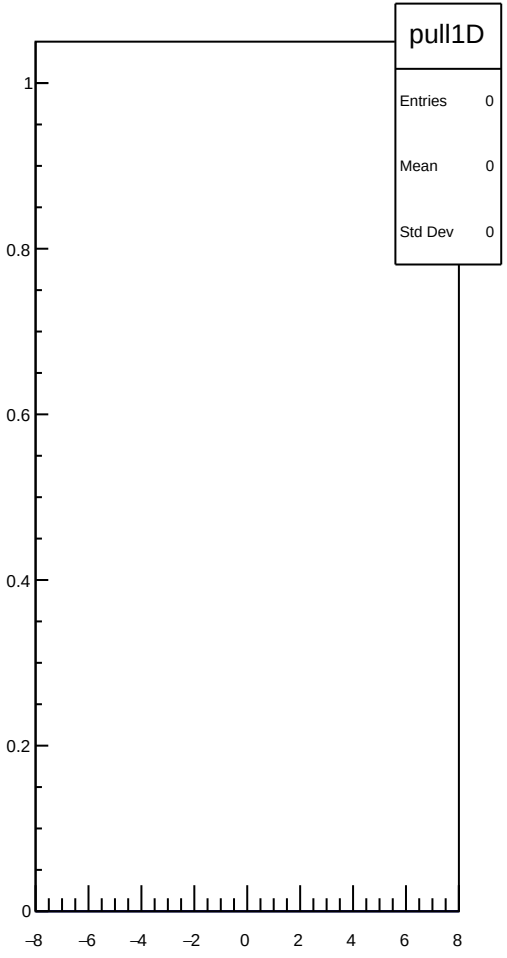

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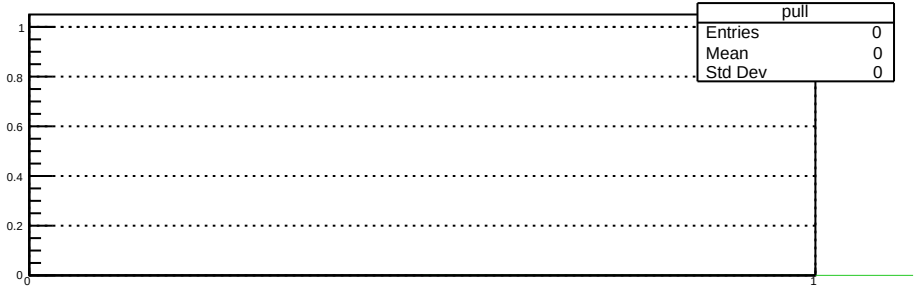

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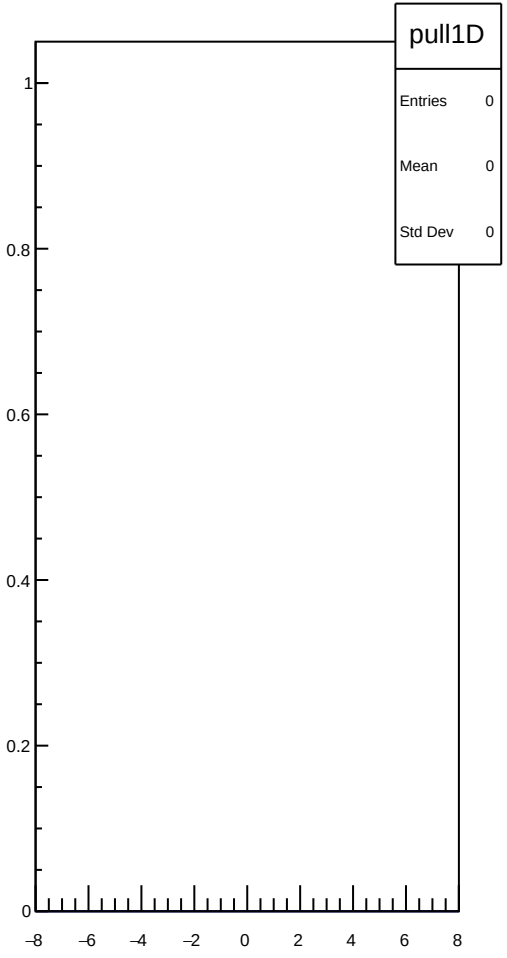

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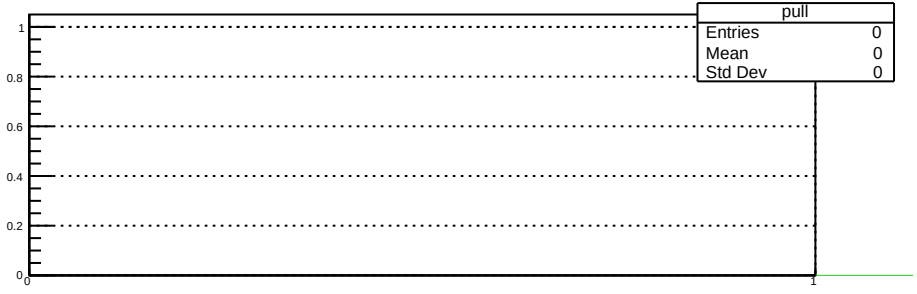

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

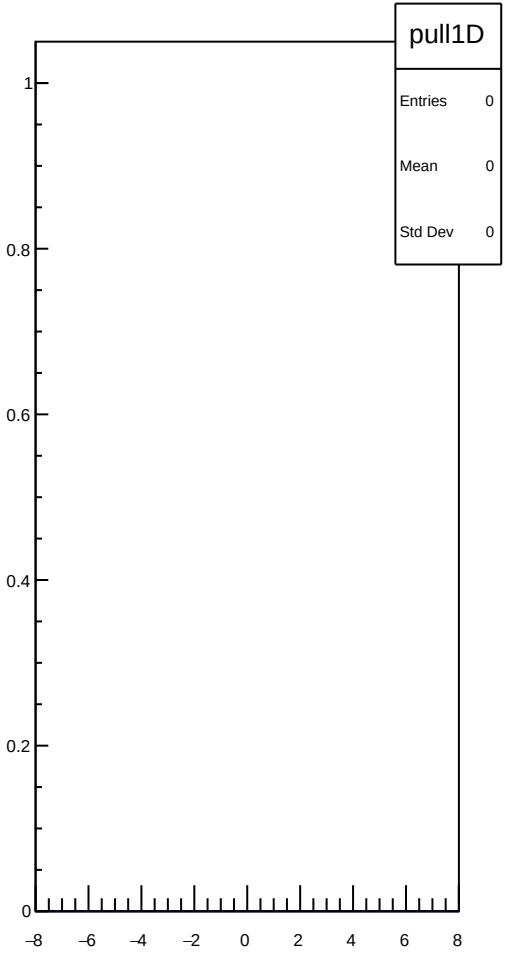

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

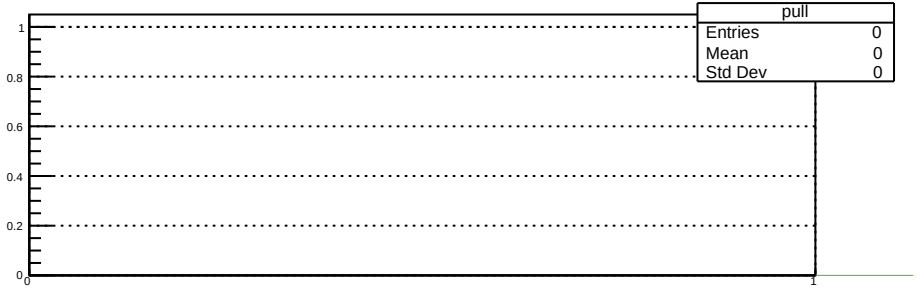

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

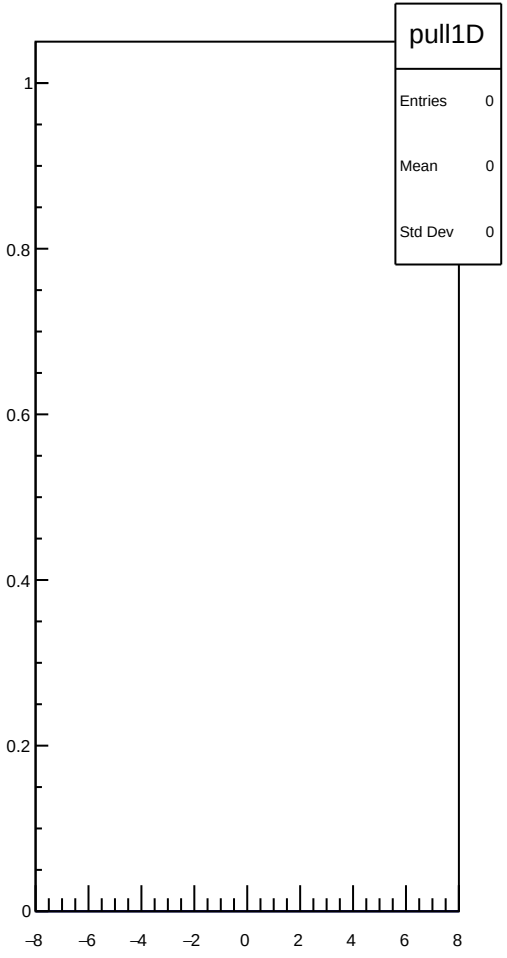

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

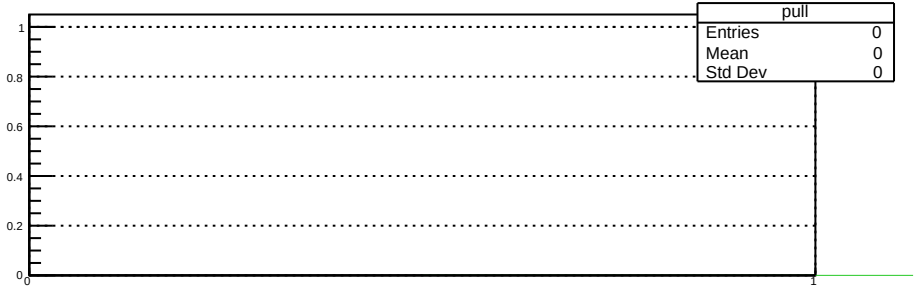

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

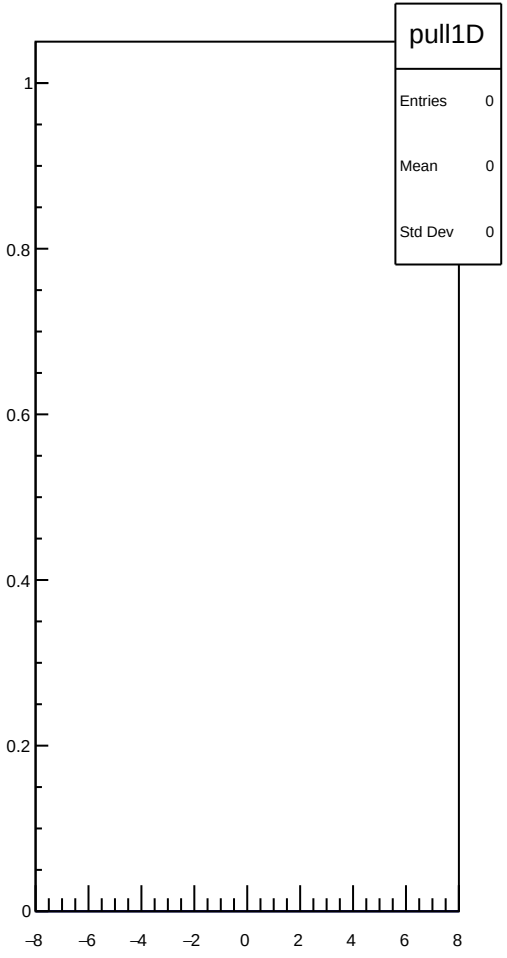

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

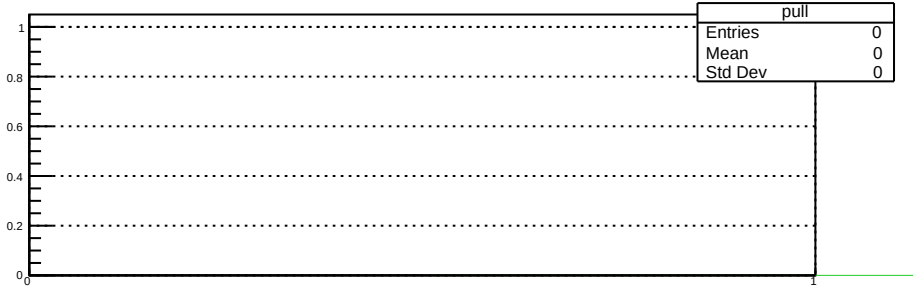

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

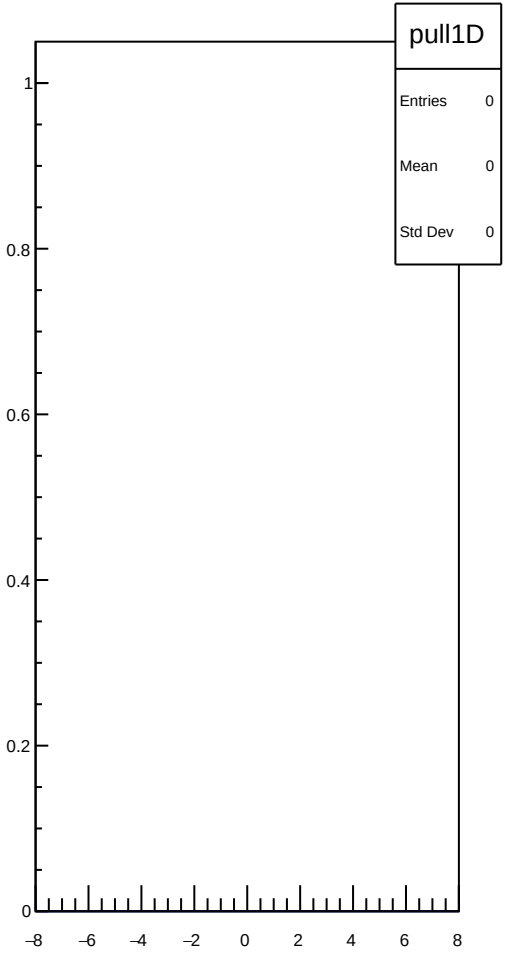

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

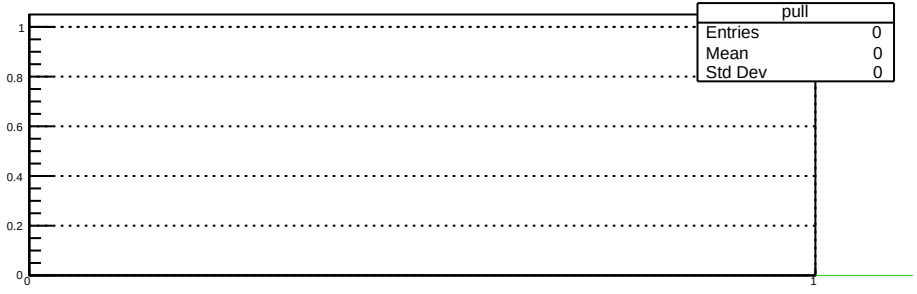

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

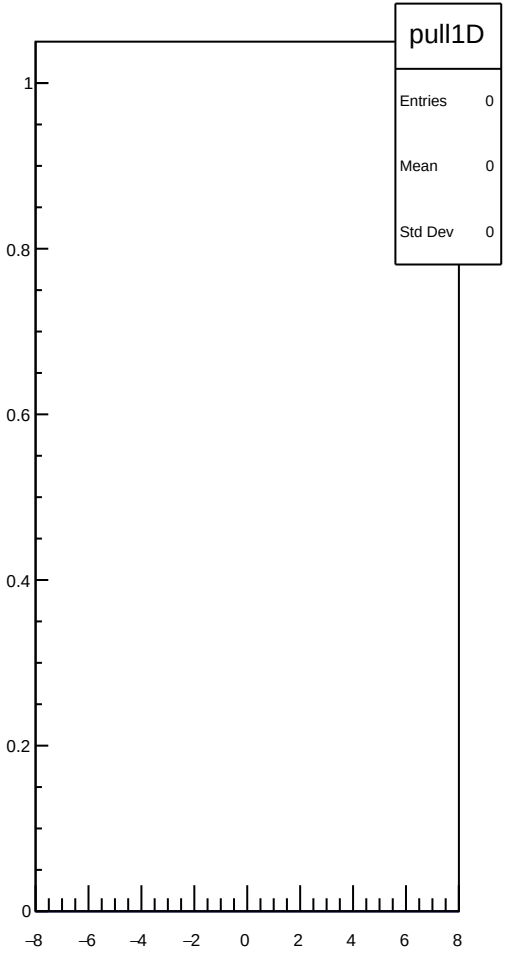

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

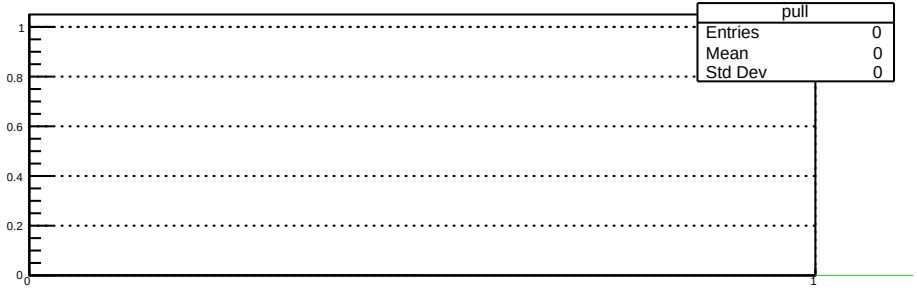

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

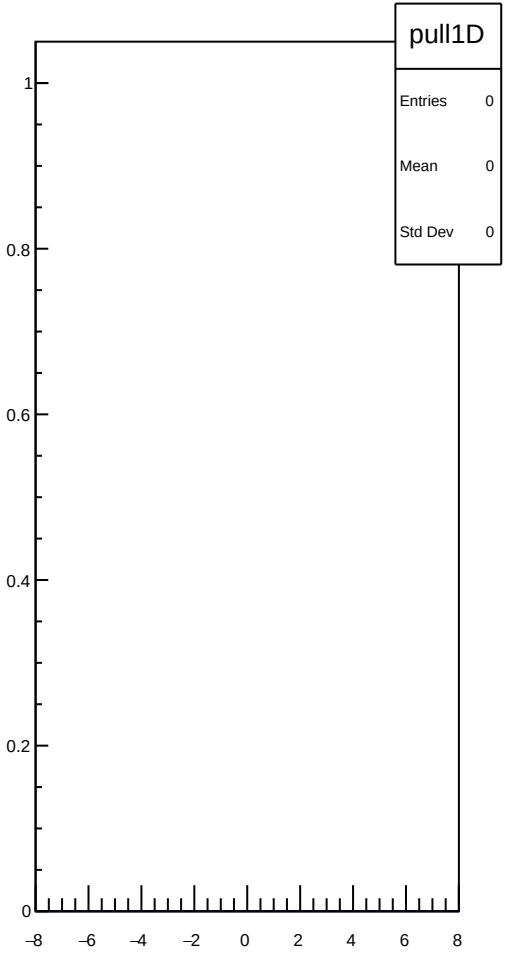

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

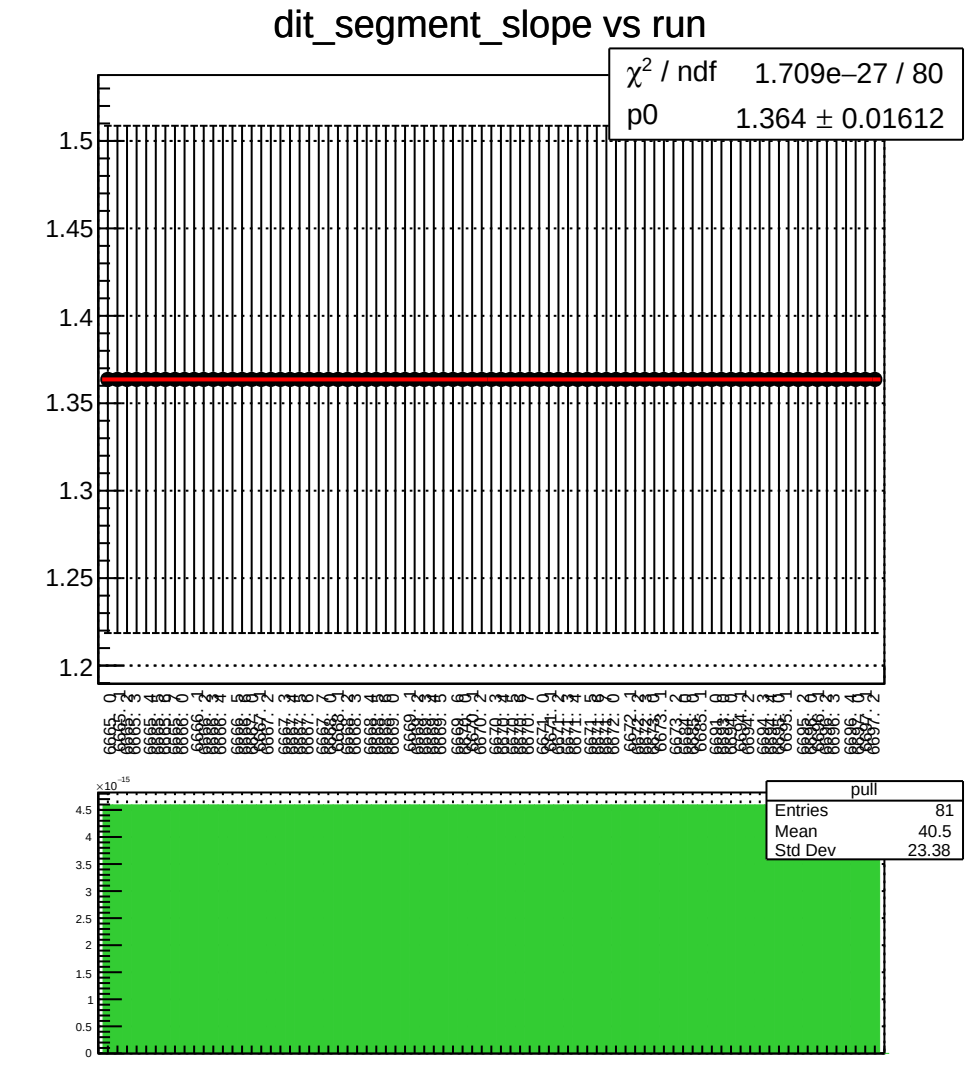

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

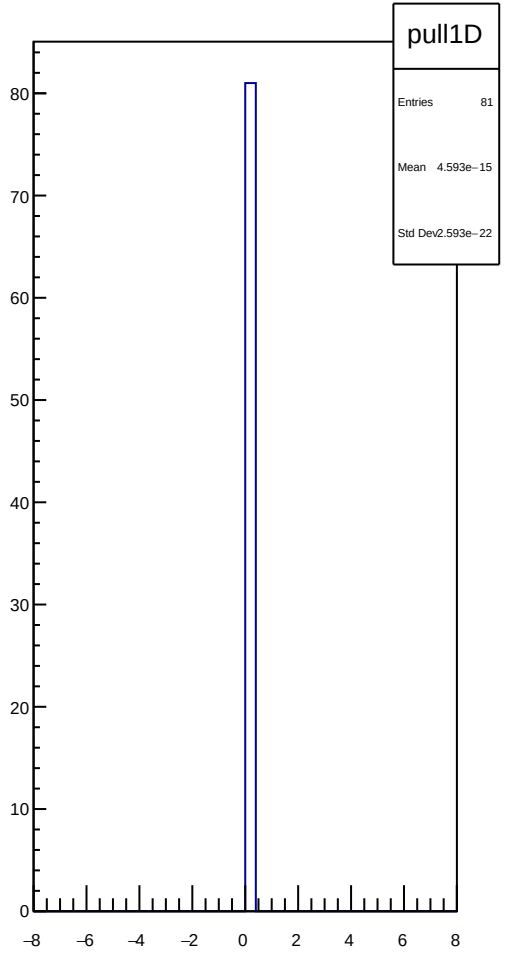

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

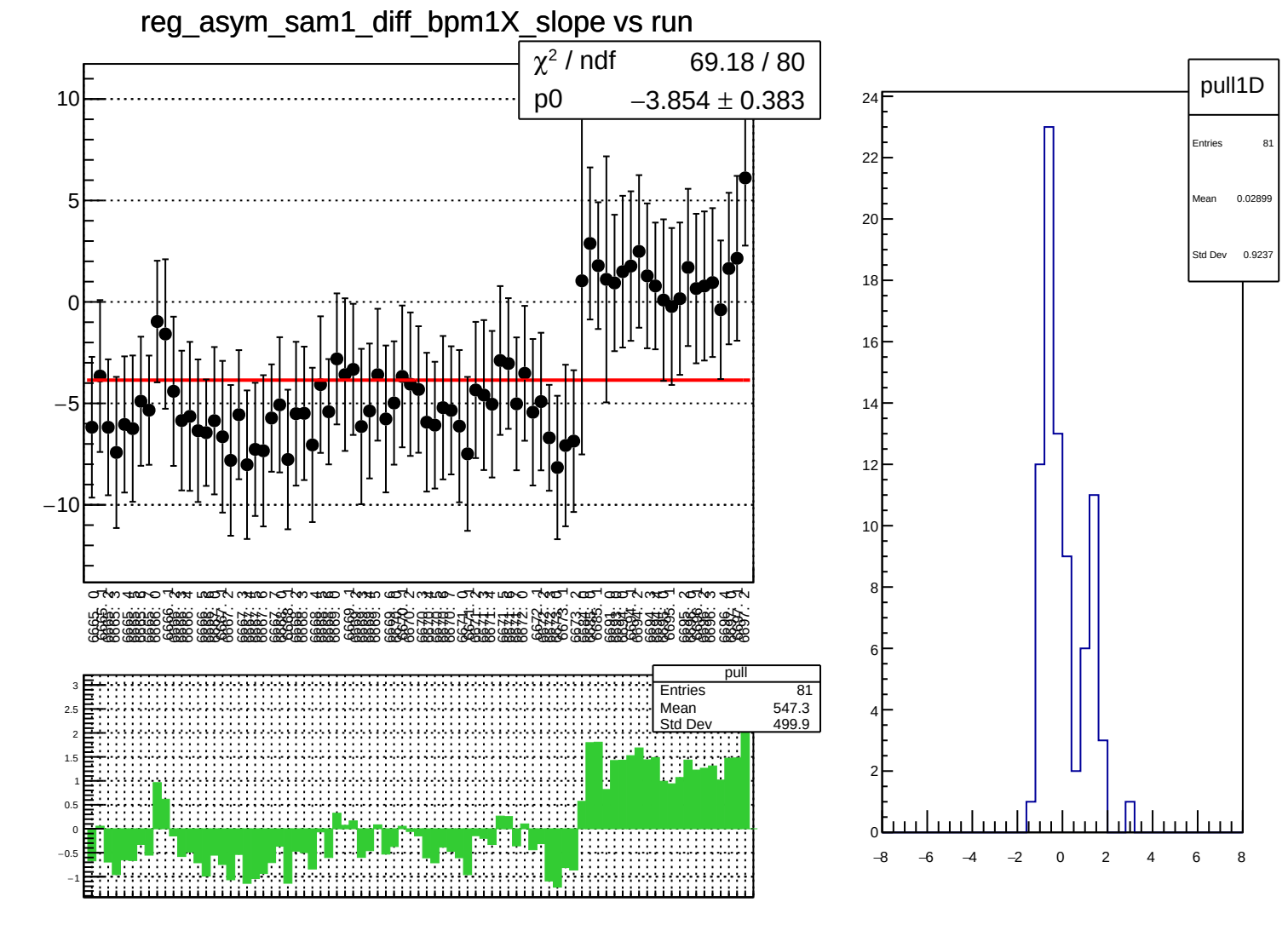

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

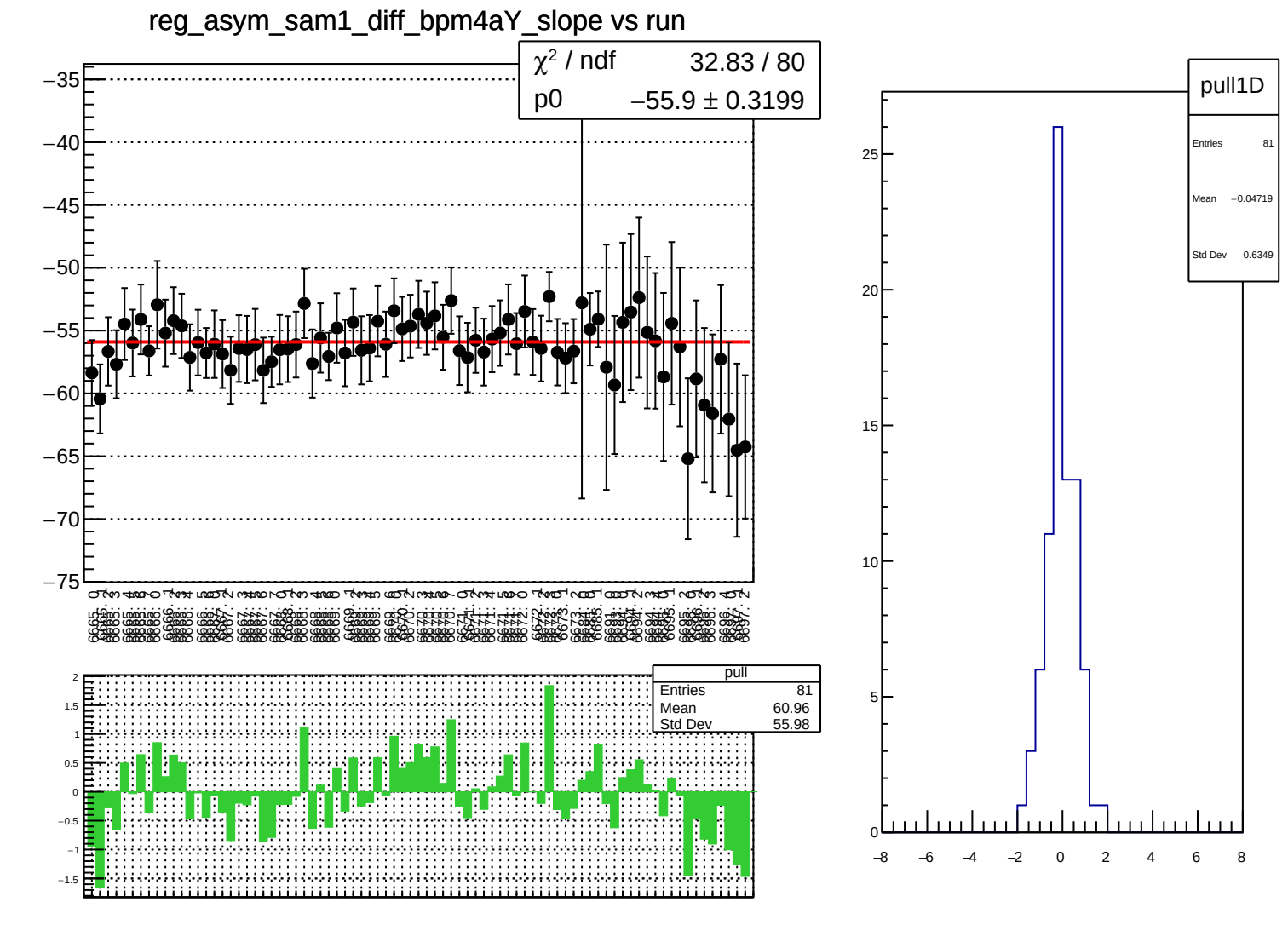

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

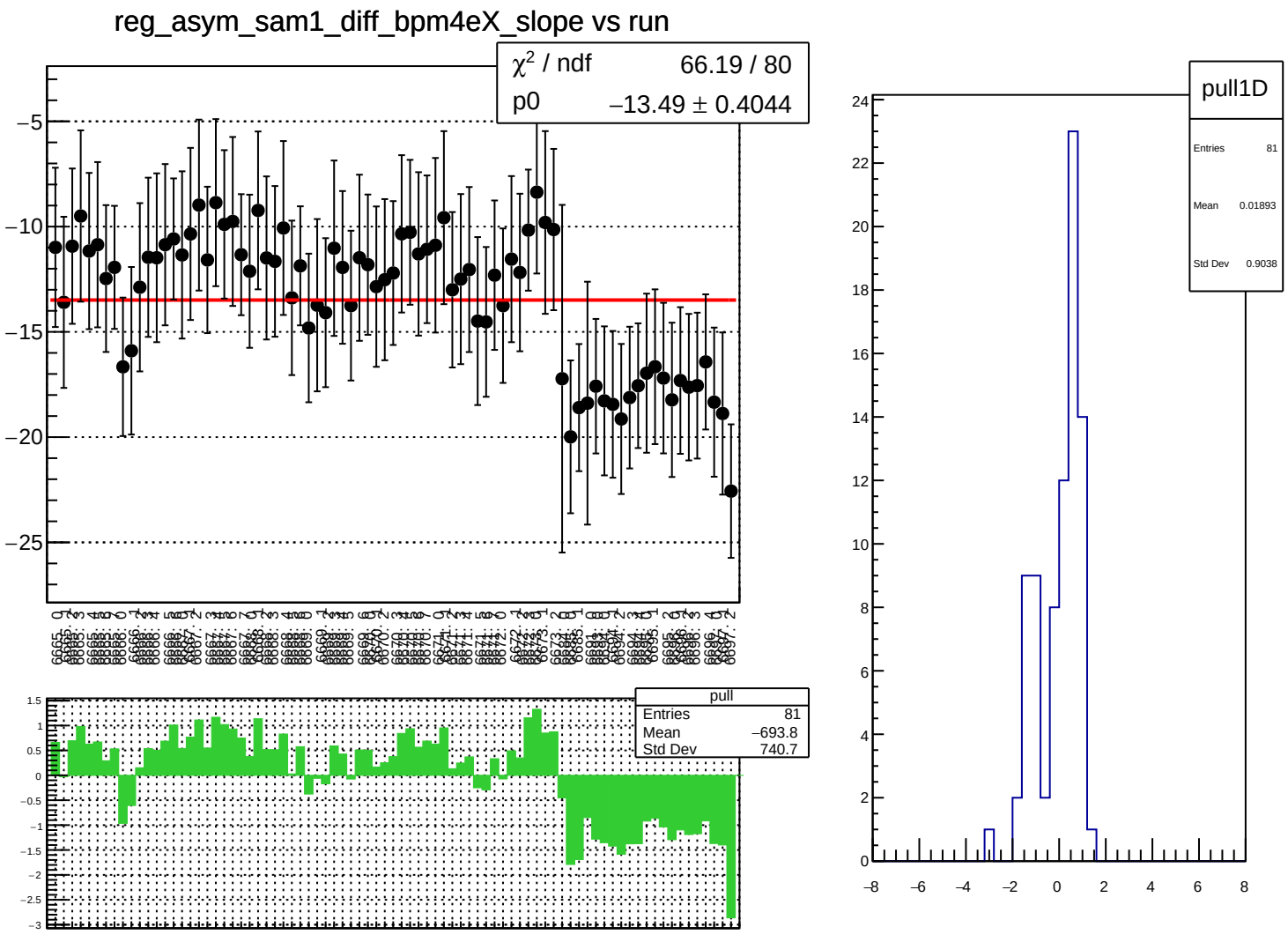

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

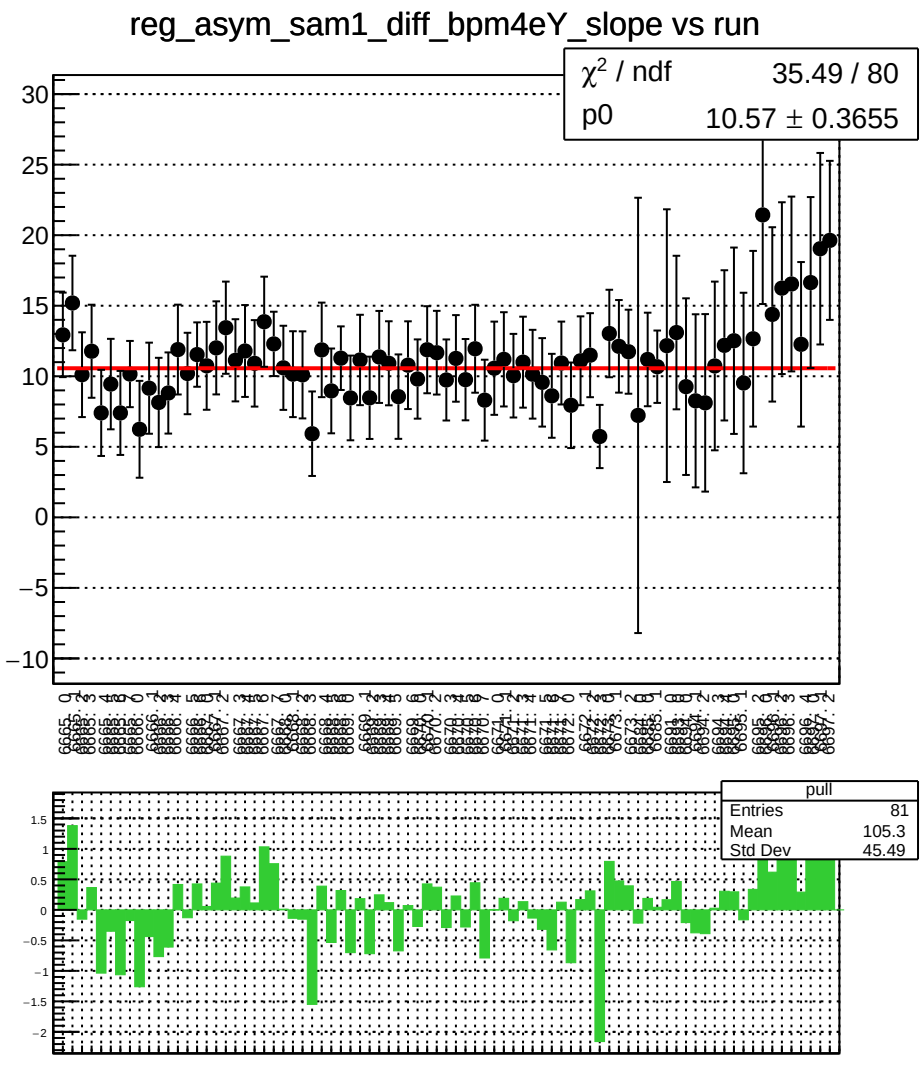

dit_segment_slope vs run
χ² / ndf 1.709e−27 / 80
p0 1.364 ± 0.01612
1.5
1.45
1.4
1.35
1.3
1.25
1.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

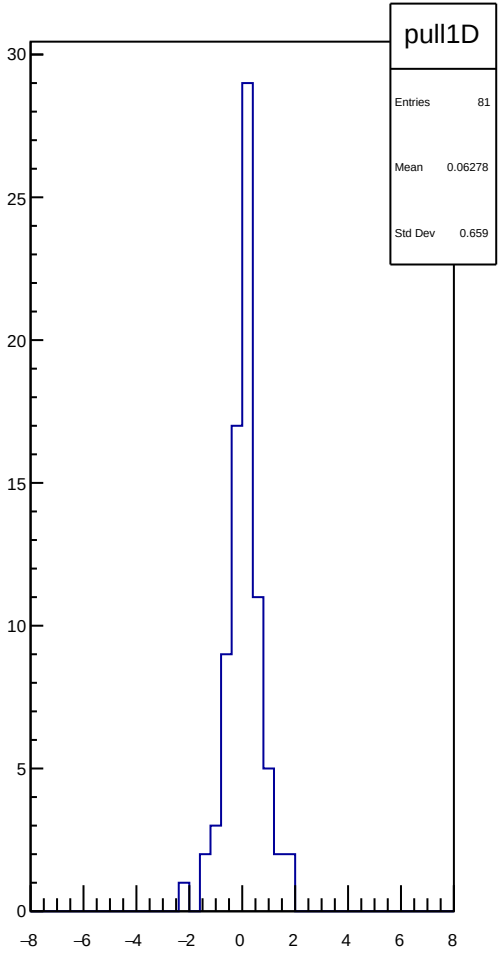

pull1D
Entries 81
Mean 4.593e−15
Std Dev 2.593e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

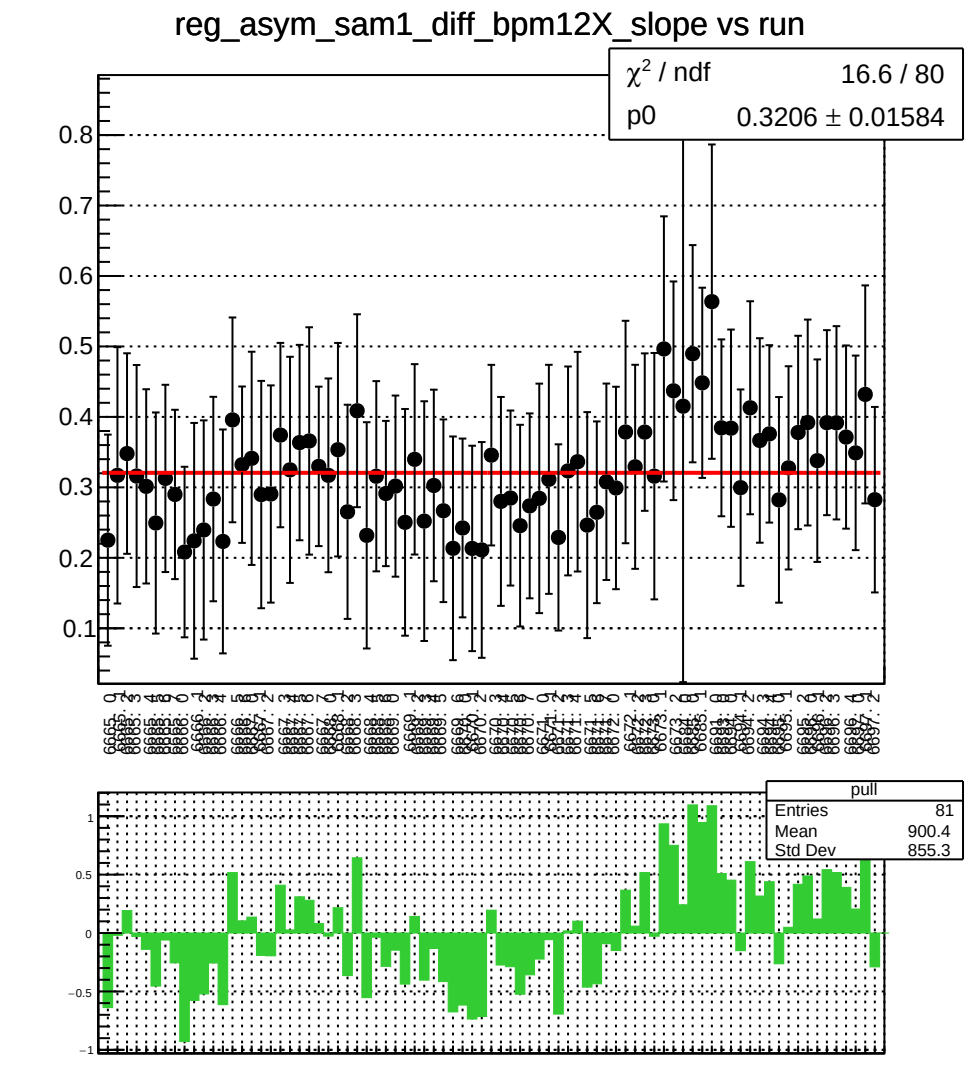

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 69.18 / 80
p0 −3.854 ± 0.383
pull
Entries 81
Mean 547.3
Std Dev 499.9
pull1D
Entries 81
Mean 0.02899
Std Dev 0.9237

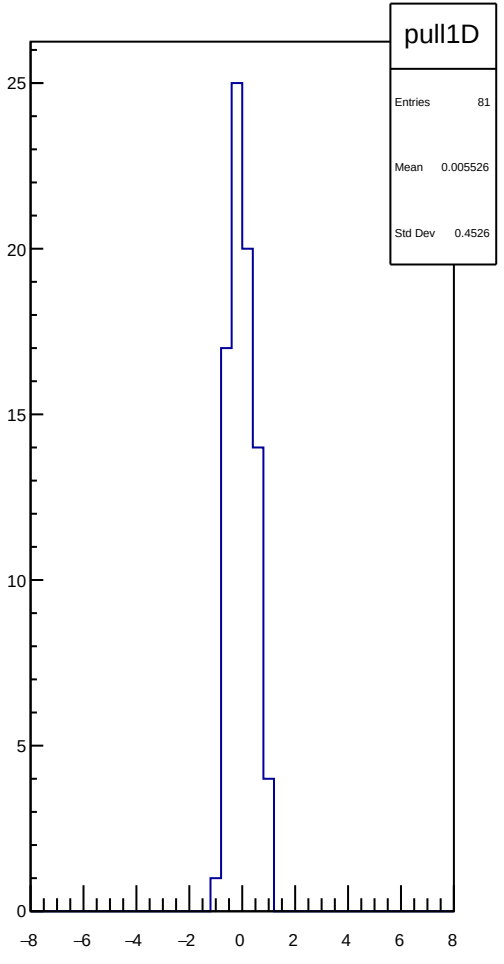

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 32.83 / 80
p0 −55.9 ± 0.3199
pull
Entries 81
Mean 60.96
Std Dev 55.98
pull1D
Entries 81
Mean −0.04719
Std Dev 0.6349

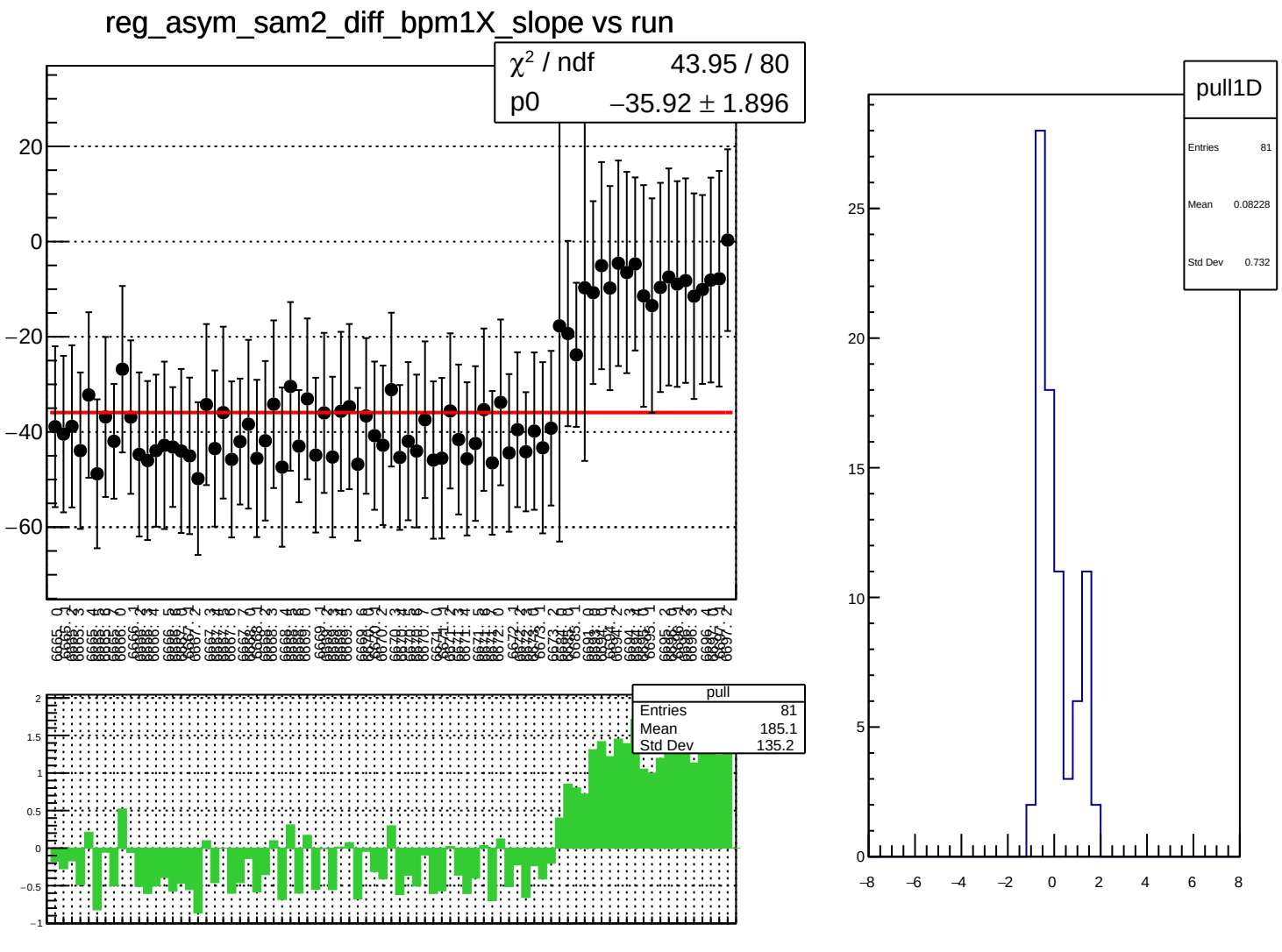

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 66.19 / 80
p0 −13.49 ± 0.4044
pull
Entries 81
Mean −693.8
Std Dev 740.7
pull1D
Entries 81
Mean 0.01893
Std Dev 0.9038

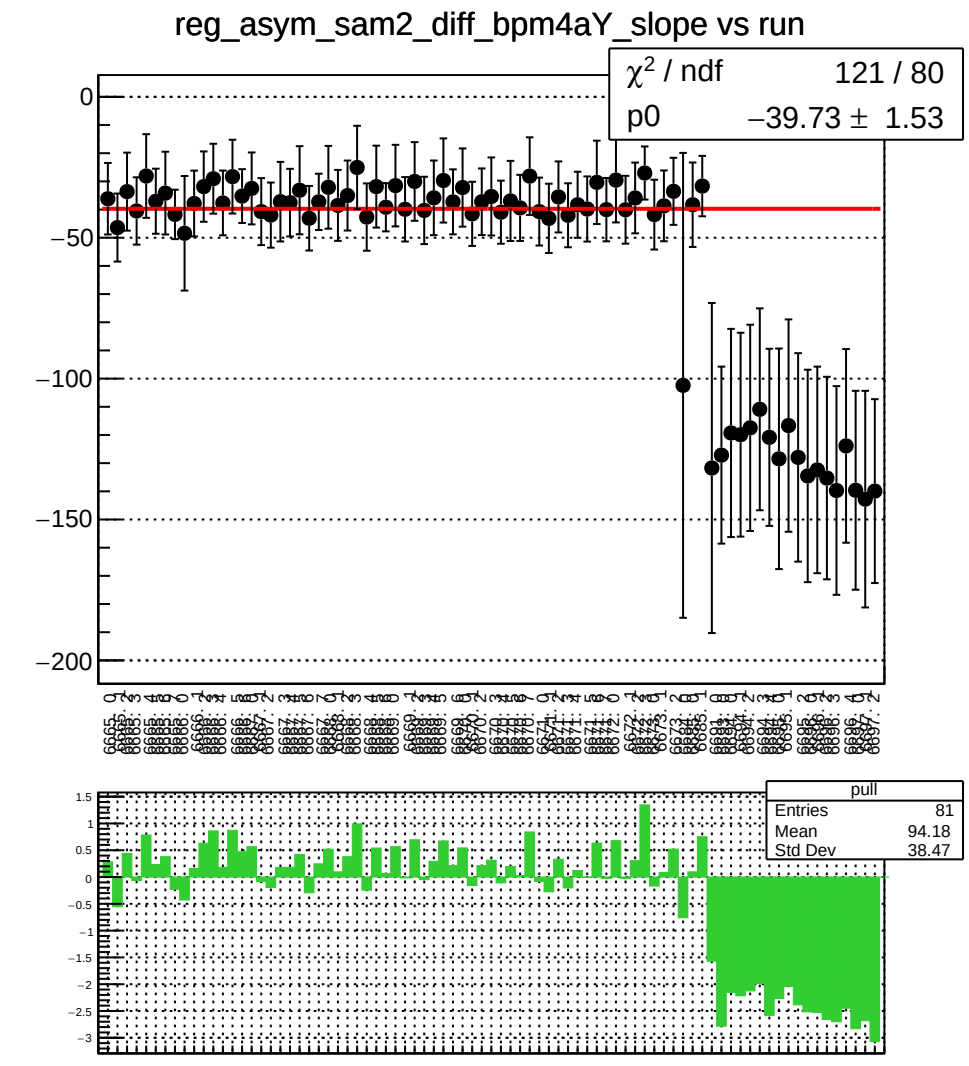

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 35.49 / 80
p0 10.57 ± 0.3655
pull
Entries 81
Mean 105.3
Std Dev 45.49

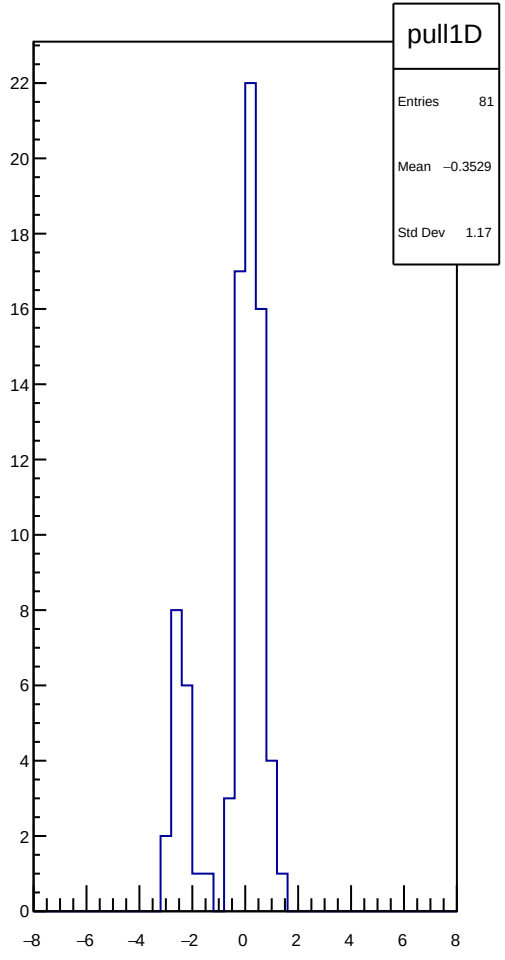

pull1D
Entries 81
Mean 0.06278
Std Dev 0.659

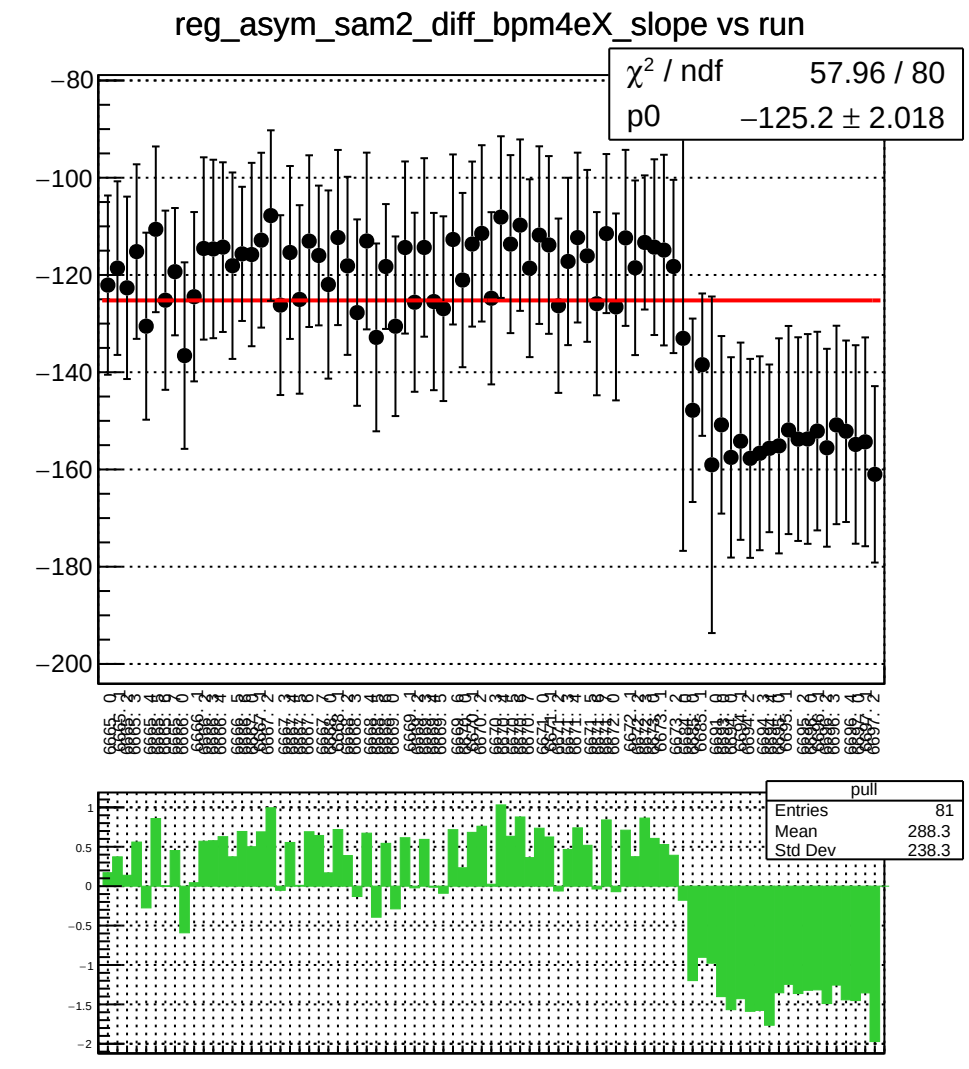

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 16.6 / 80
p0 0.3206 ± 0.01584
pull
Entries 81
Mean 900.4
Std Dev 855.3

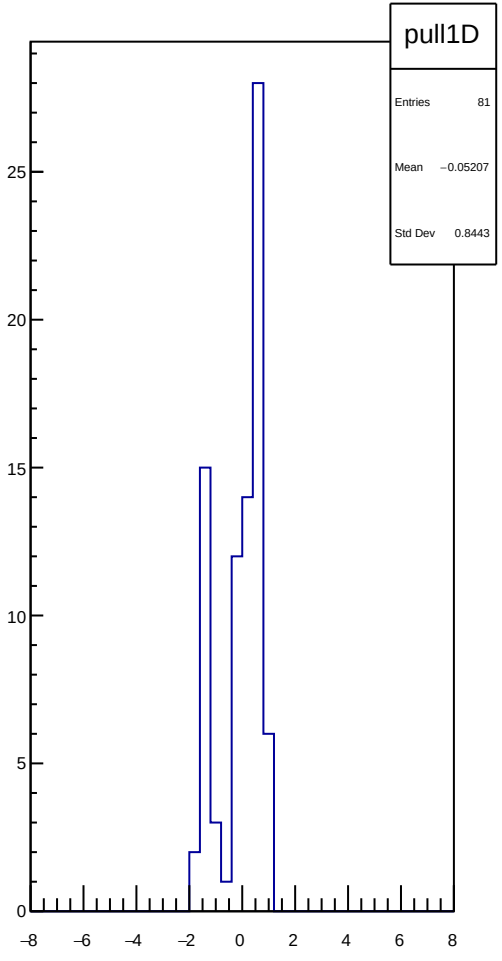

pull1D
Entries 81
Mean 0.005526
Std Dev 0.4526

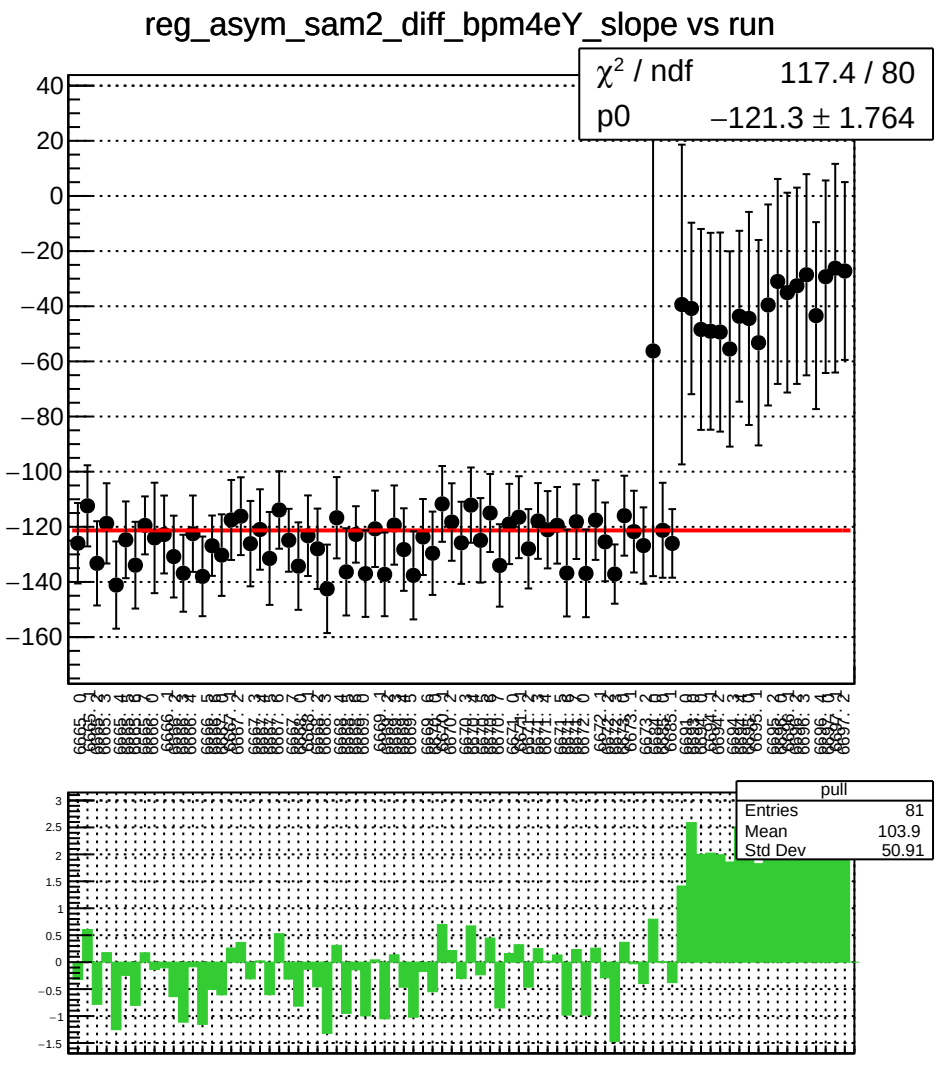

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 43.95 / 80
p0 −35.92 ± 1.896
pull
Entries 81
Mean 185.1
Std Dev 135.2
pull1D
Entries 81
Mean 0.08228
Std Dev 0.732

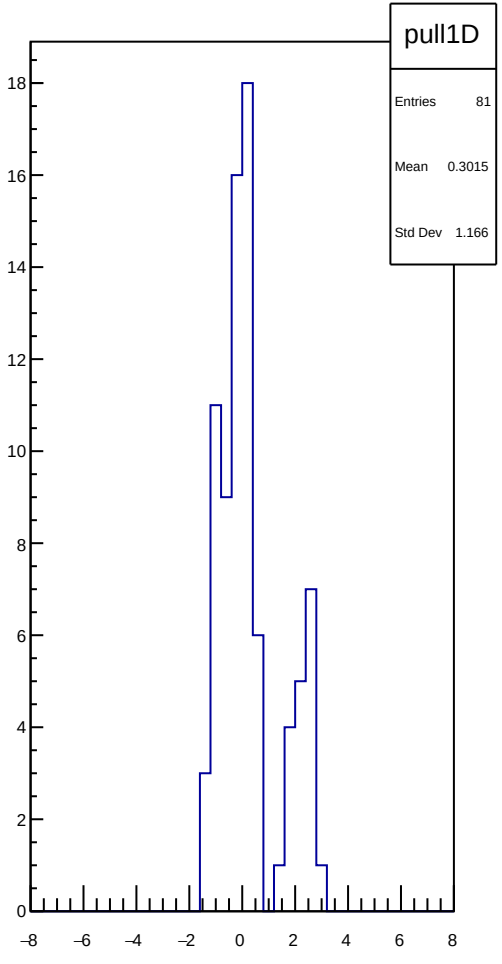

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 121 / 80
p0 −39.73 ± 1.53
0
−50
−100
−150
−200
pull
Entries 81
Mean 94.18
Std Dev 38.47
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

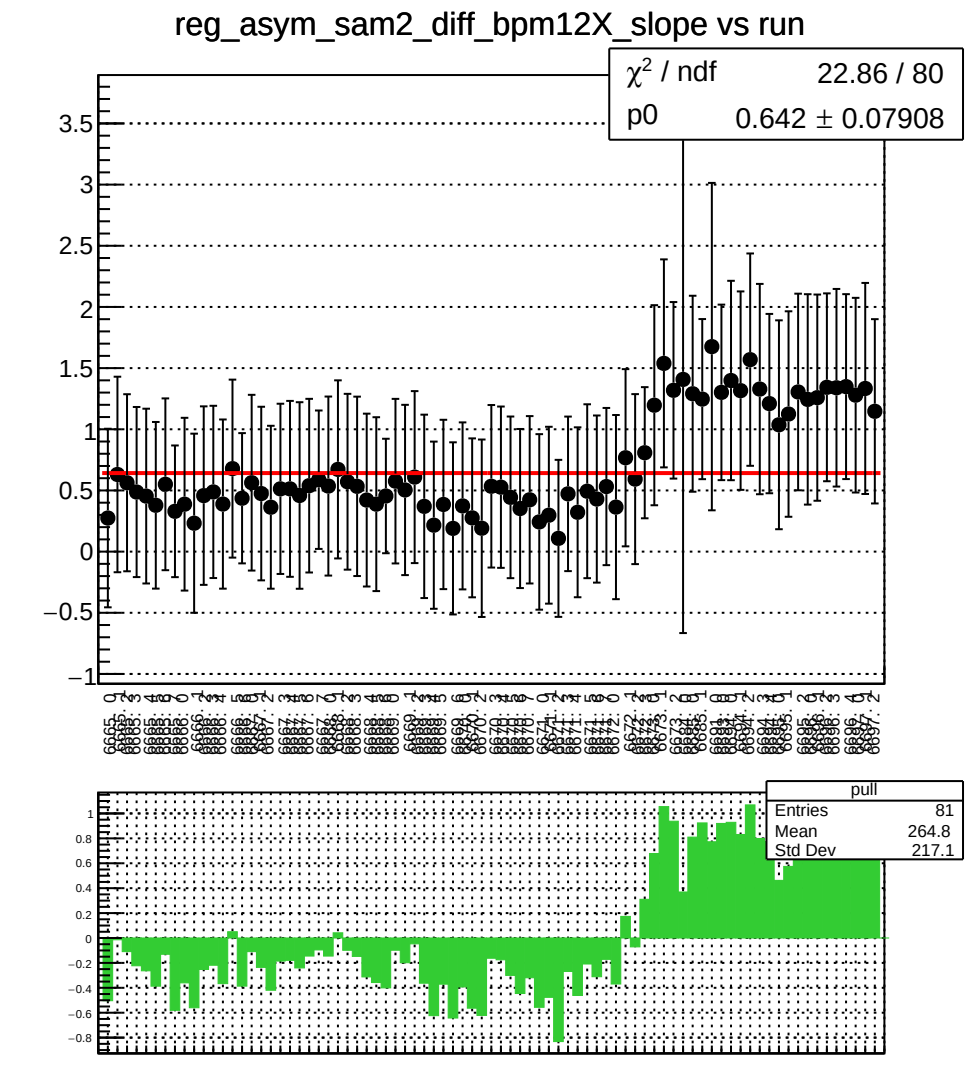

pull1D
Entries 81
Mean −0.3529
Std Dev 1.17
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

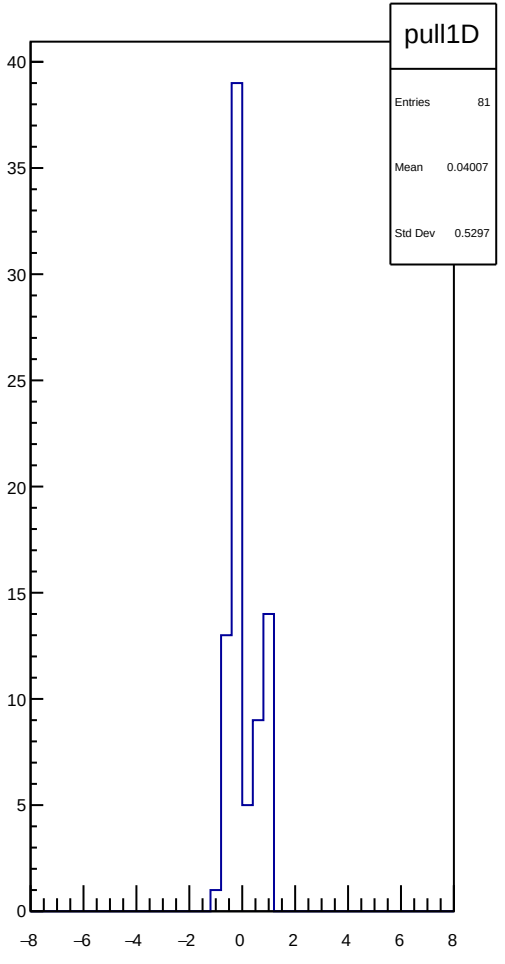

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 57.96 / 80
p0 −125.2 ± 2.018
pull
Entries 81
Mean 288.3
Std Dev 238.3

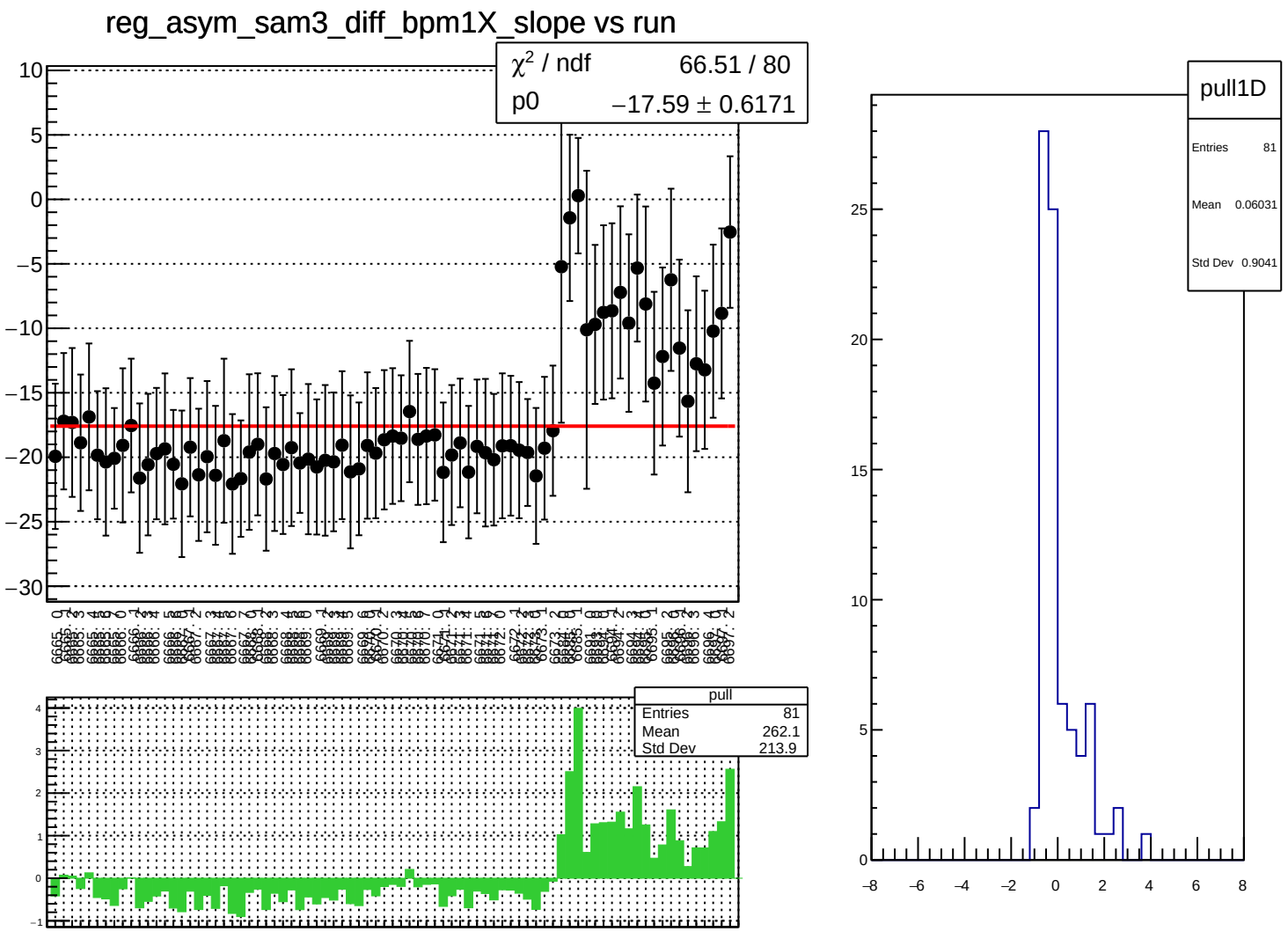

pull1D
Entries 81
Mean −0.05207
Std Dev 0.8443

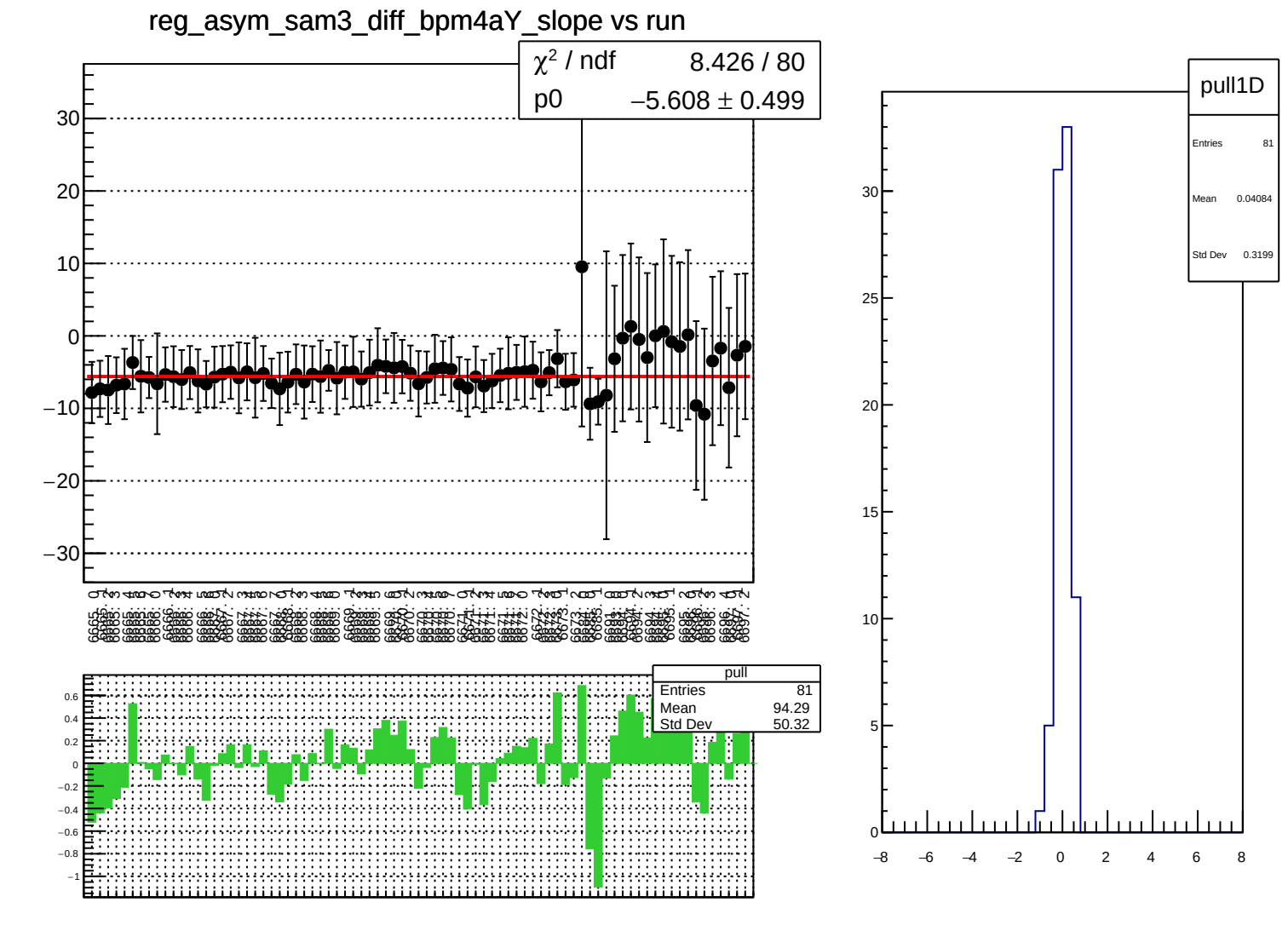

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 117.4 / 80
p0 −121.3 ± 1.764
pull
Entries 81
Mean 103.9
Std Dev 50.91

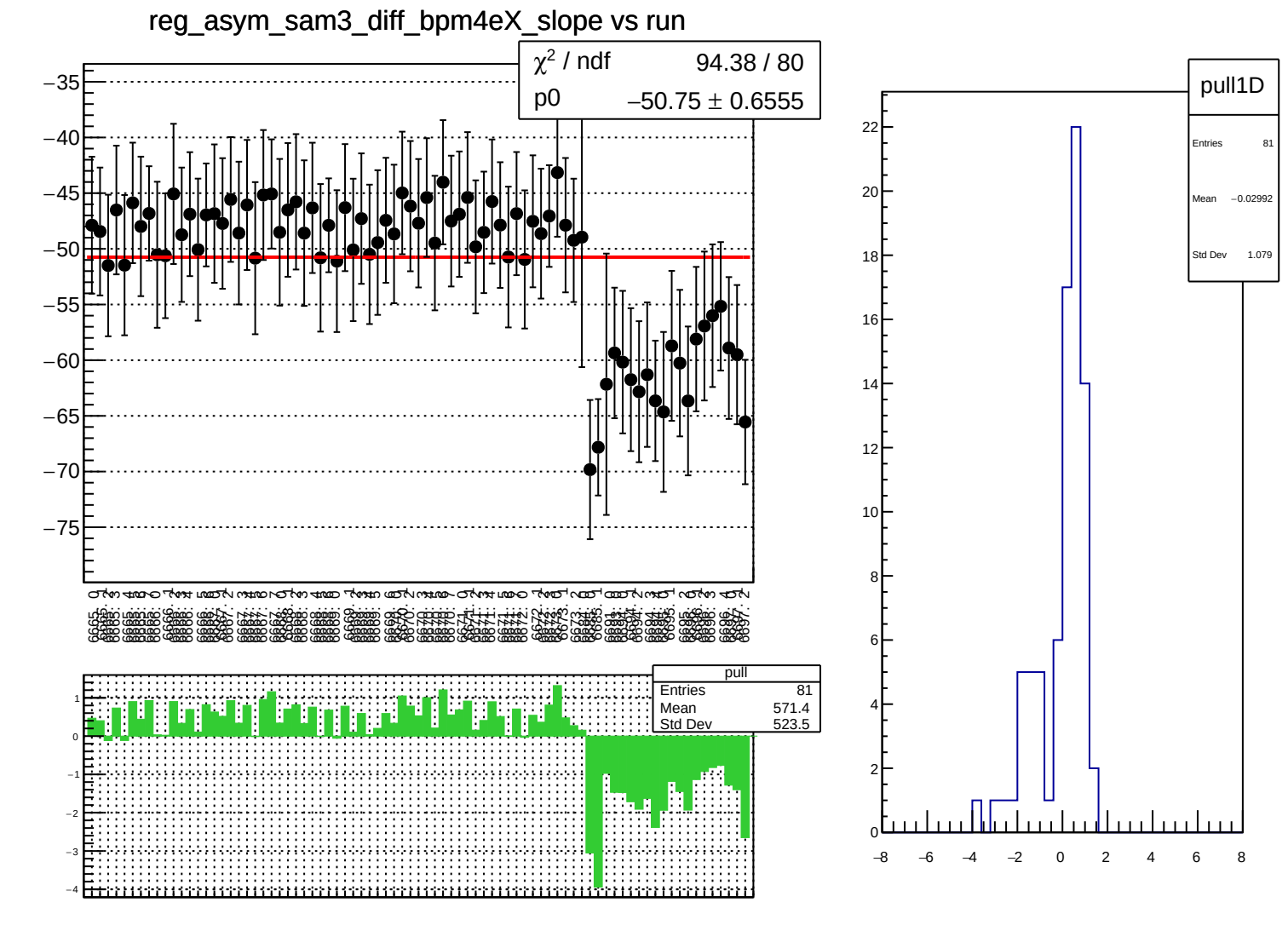

pull1D
Entries 81
Mean 0.3015
Std Dev 1.166

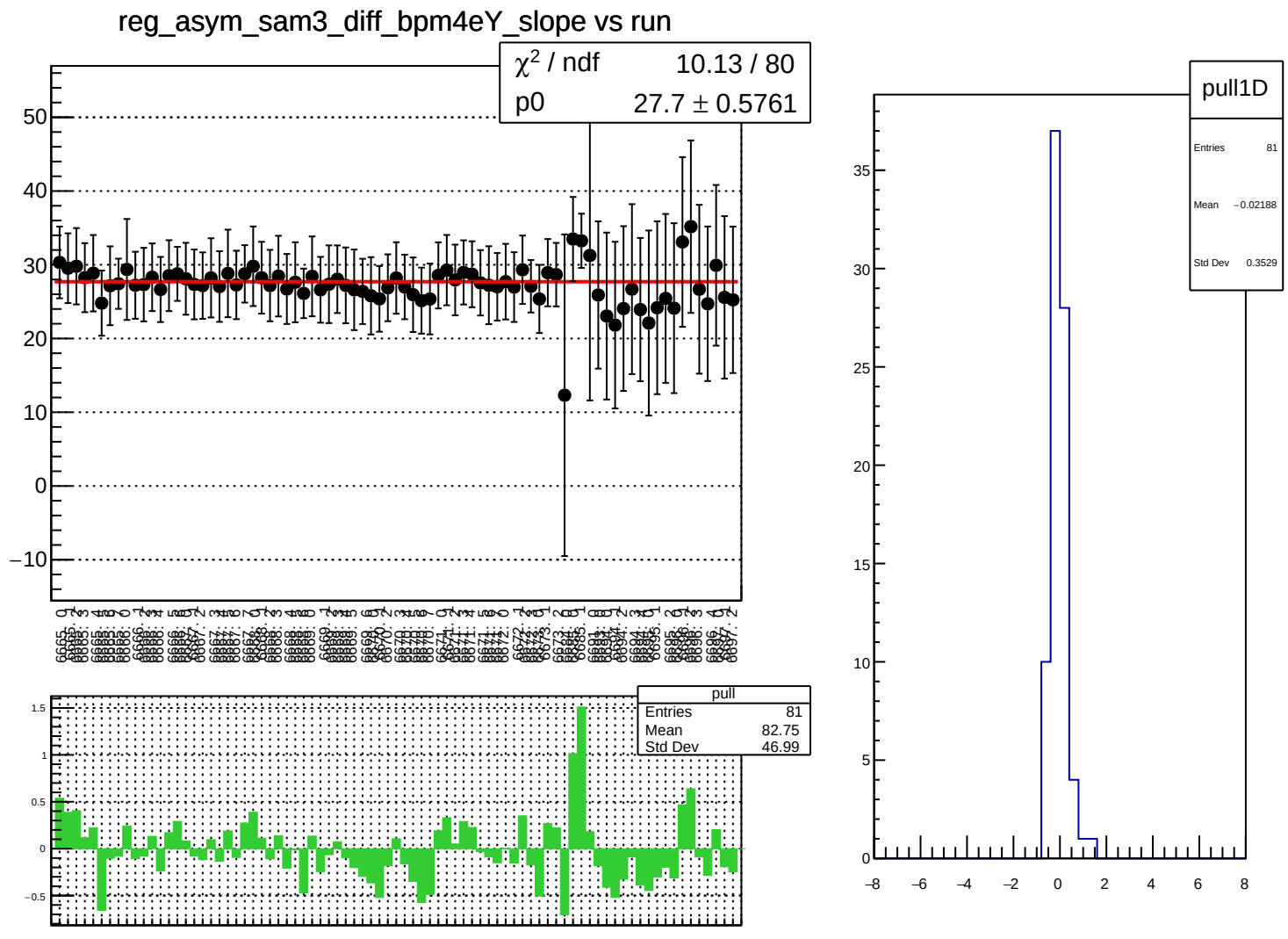

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 22.86 / 80
p0 0.642 ± 0.07908
pull
Entries 81
Mean 264.8
Std Dev 217.1

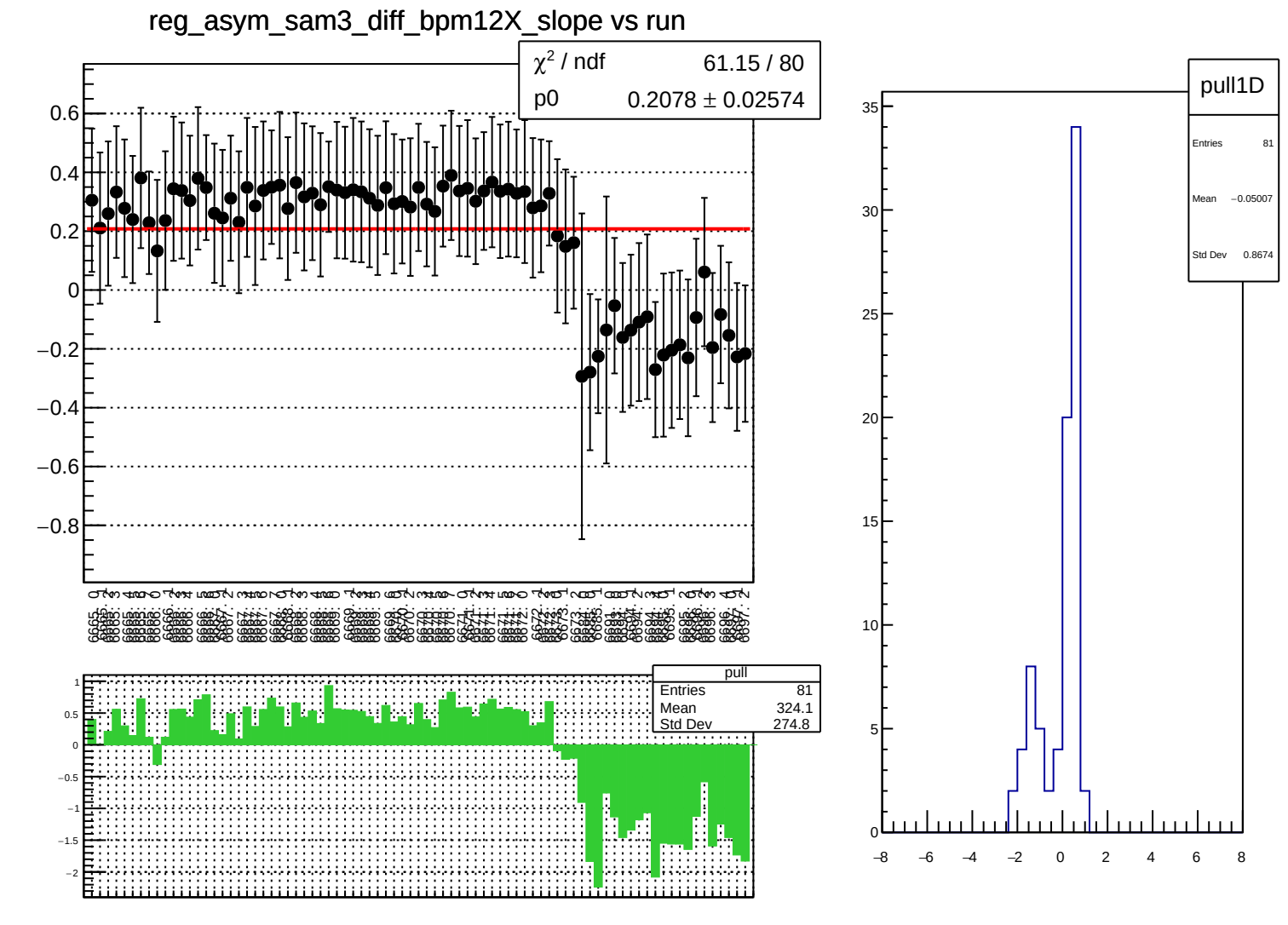

pull1D
Entries 81
Mean 0.04007
Std Dev 0.5297

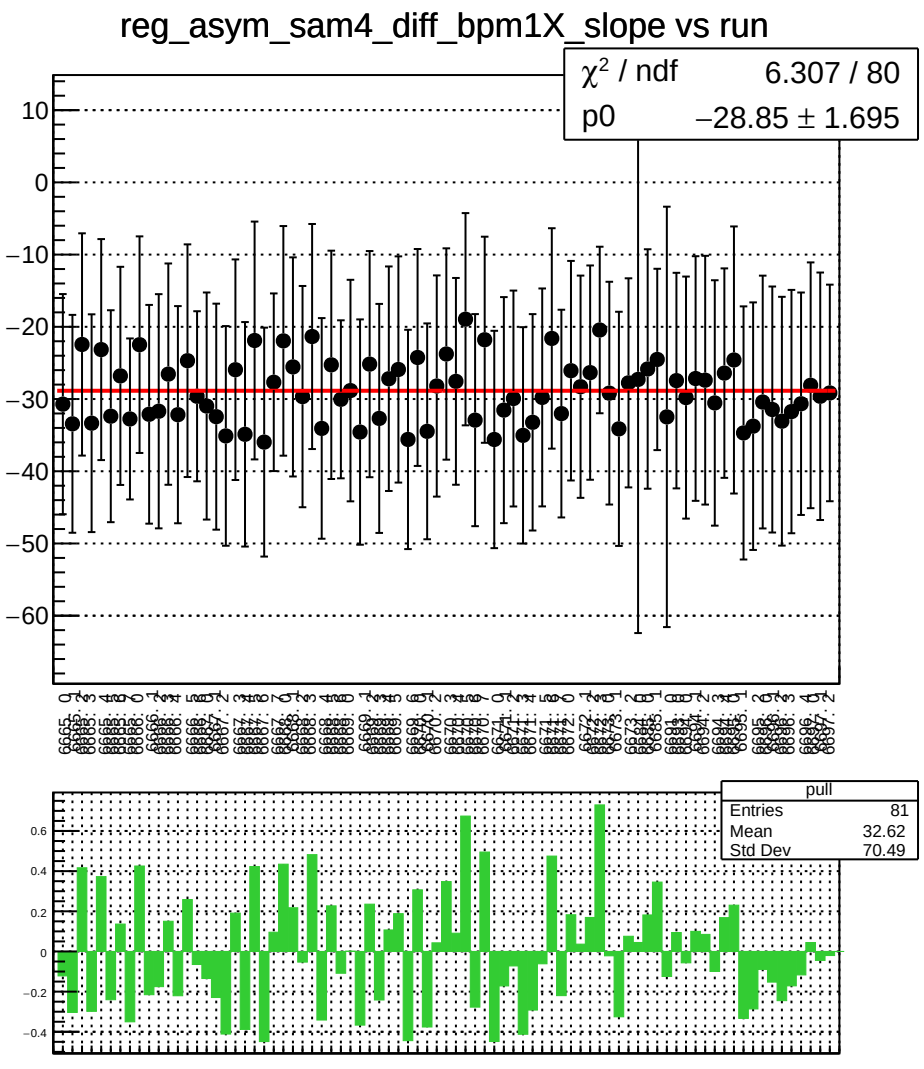

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 66.51 / 80
p0 −17.59 ± 0.6171
pull
Entries 81
Mean 262.1
Std Dev 213.9
pull1D
Entries 81
Mean 0.06031
Std Dev 0.9041

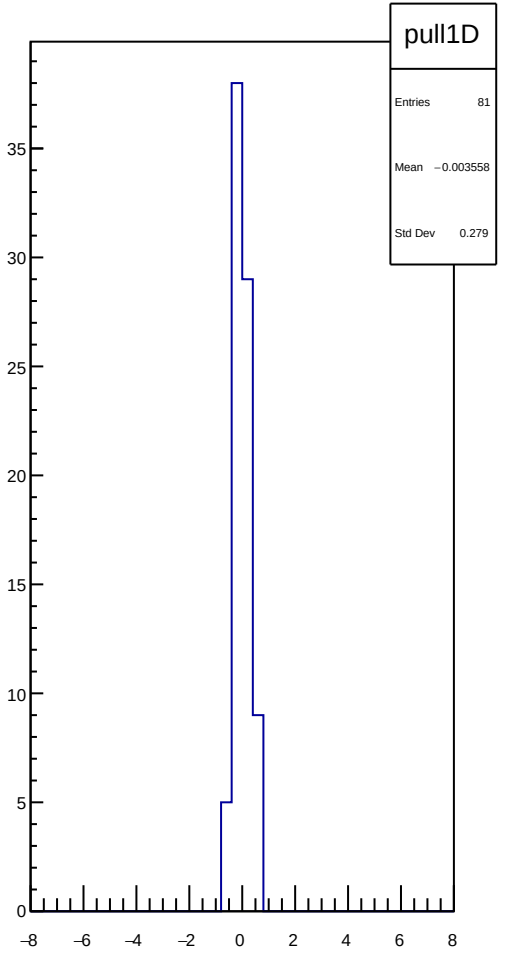

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 8.426 / 80
p0 −5.608 ± 0.499
pull
Entries 81
Mean 94.29
Std Dev 50.32
pull1D
Entries 81
Mean 0.04084
Std Dev 0.3199

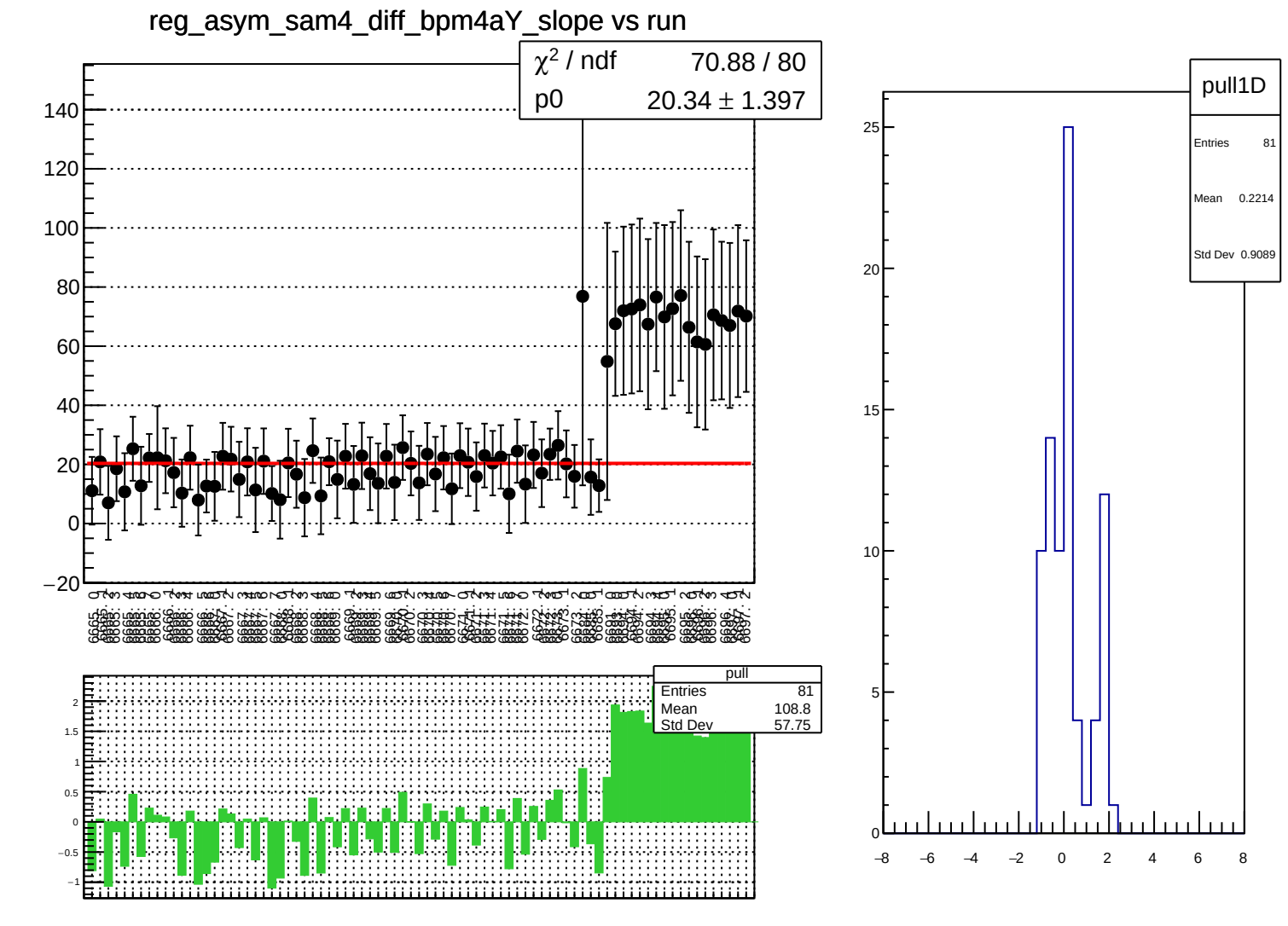

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 94.38 / 80
p0 −50.75 ± 0.6555
pull
Entries 81
Mean 571.4
Std Dev 523.5
pull1D
Entries 81
Mean −0.02992
Std Dev 1.079

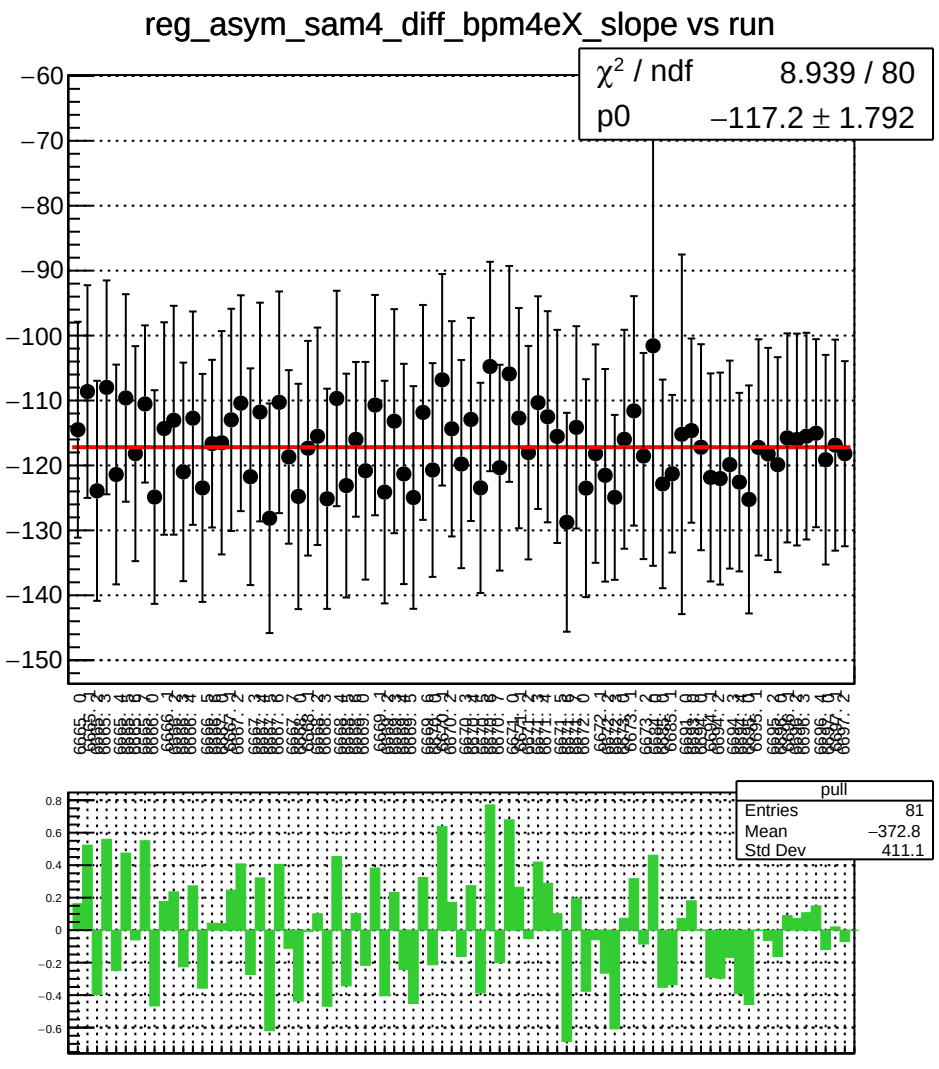

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 10.13 / 80
p0 27.7 ± 0.5761
pull
Entries 81
Mean 82.75
Std Dev 46.99
pull1D
Entries 81
Mean −0.02188
Std Dev 0.3529

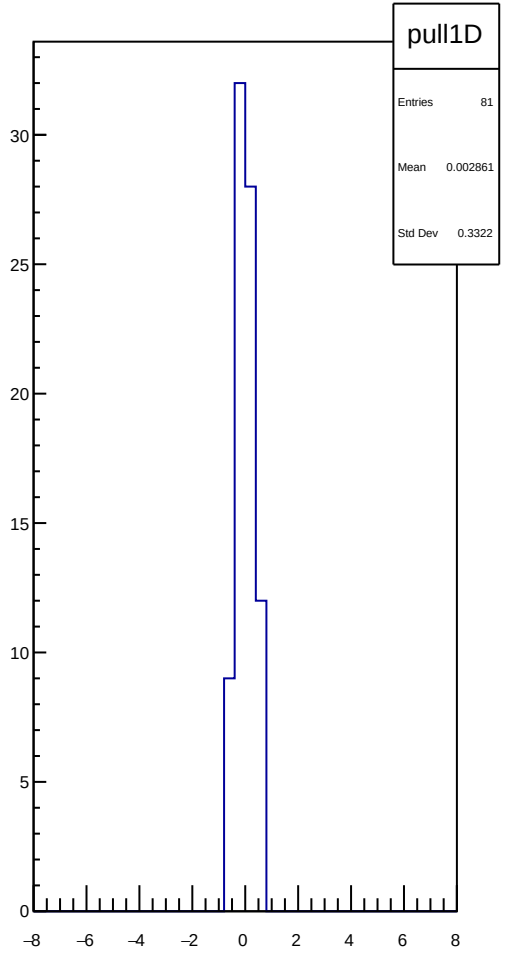

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 61.15 / 80
p0 0.2078 ± 0.02574
pull
Entries 81
Mean 324.1
Std Dev 274.8
pull1D
Entries 81
Mean −0.05007
Std Dev 0.8674

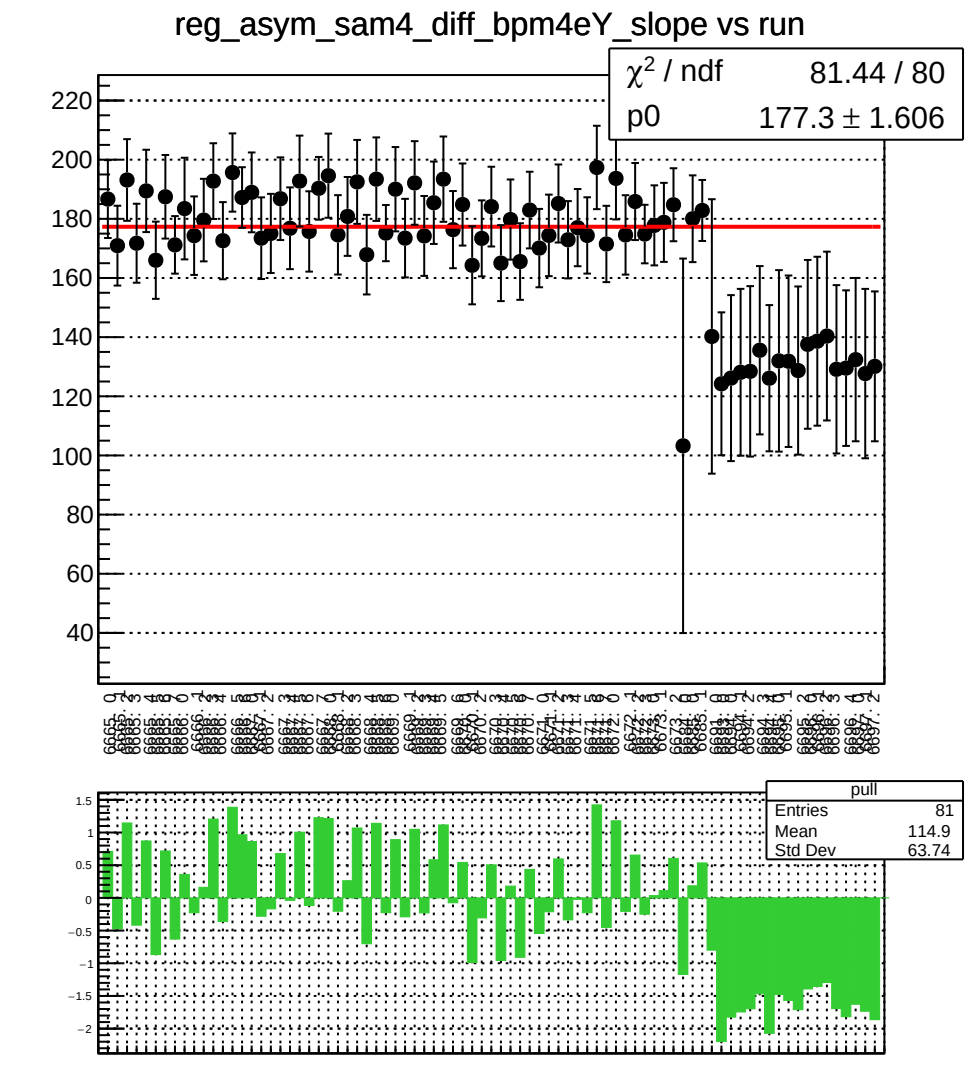

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 6.307 / 80
p0 −28.85 ± 1.695
pull
Entries 81
Mean 32.62
Std Dev 70.49

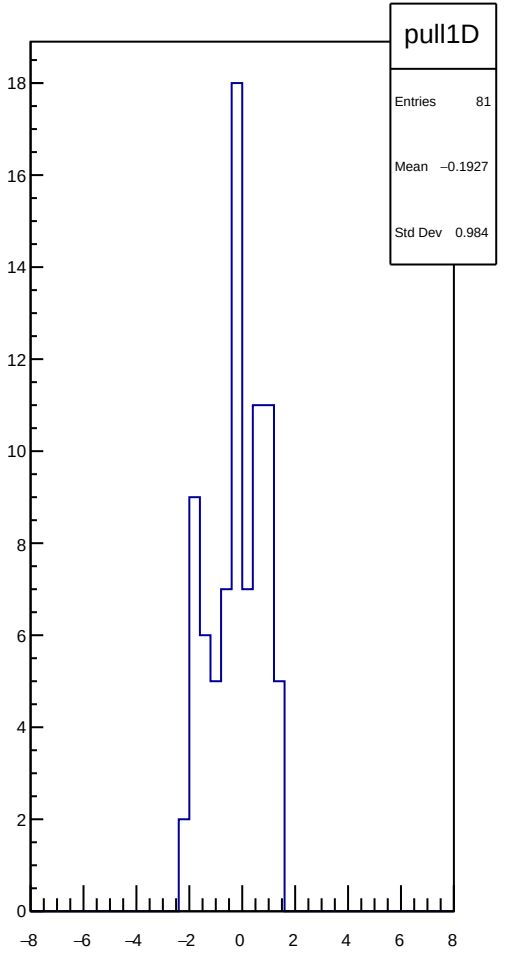

pull1D
Entries 81
Mean −0.003558
Std Dev 0.279

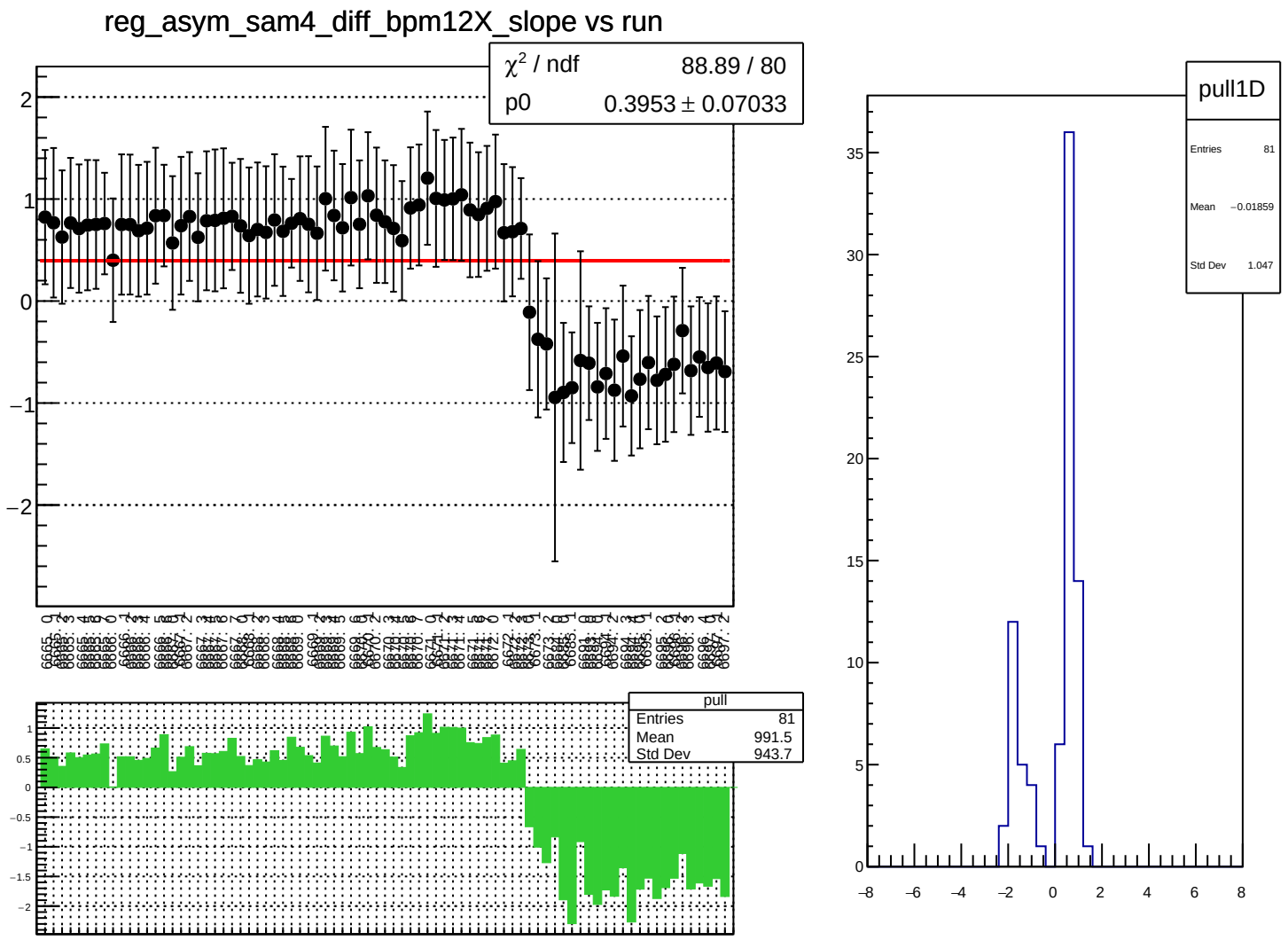

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 70.88 / 80
p0 20.34 ± 1.397
pull
Entries 81
Mean 108.8
Std Dev 57.75
pull1D
Entries 81
Mean 0.2214
Std Dev 0.9089

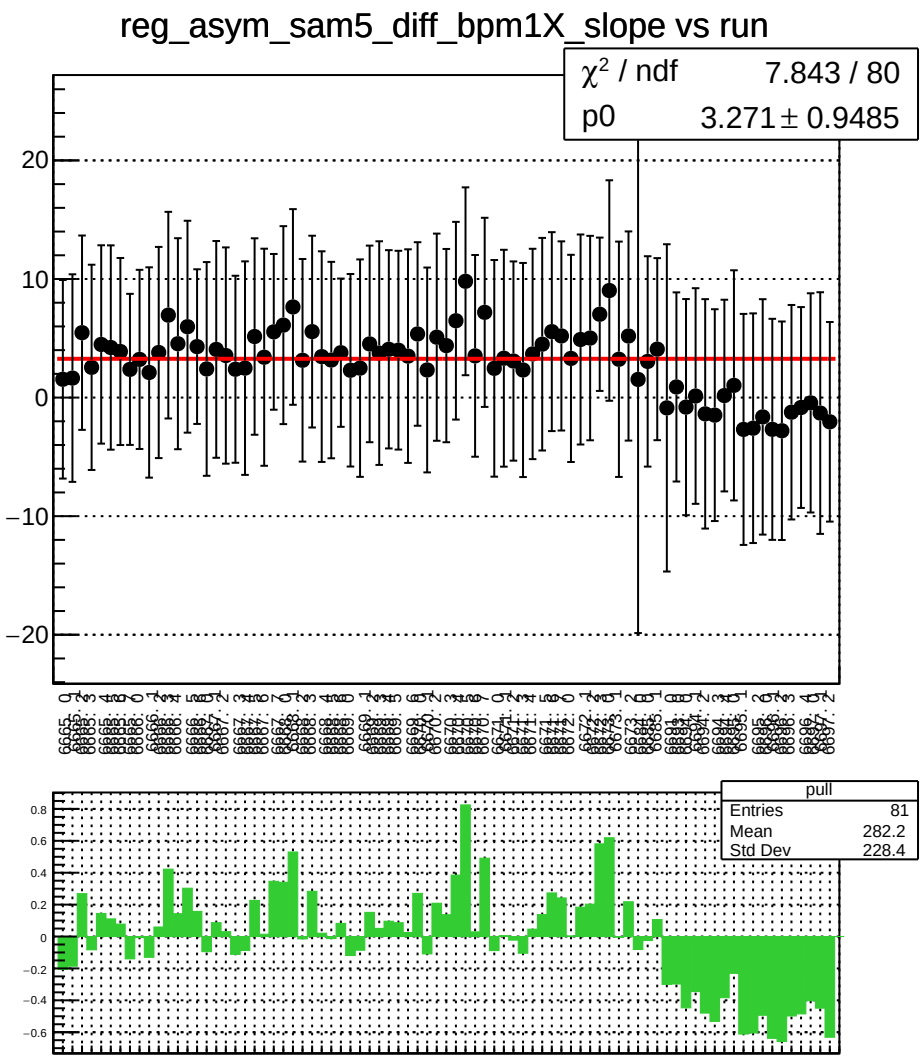

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 8.939 / 80
p0 −117.2 ± 1.792
pull
Entries 81
Mean −372.8
Std Dev 411.1

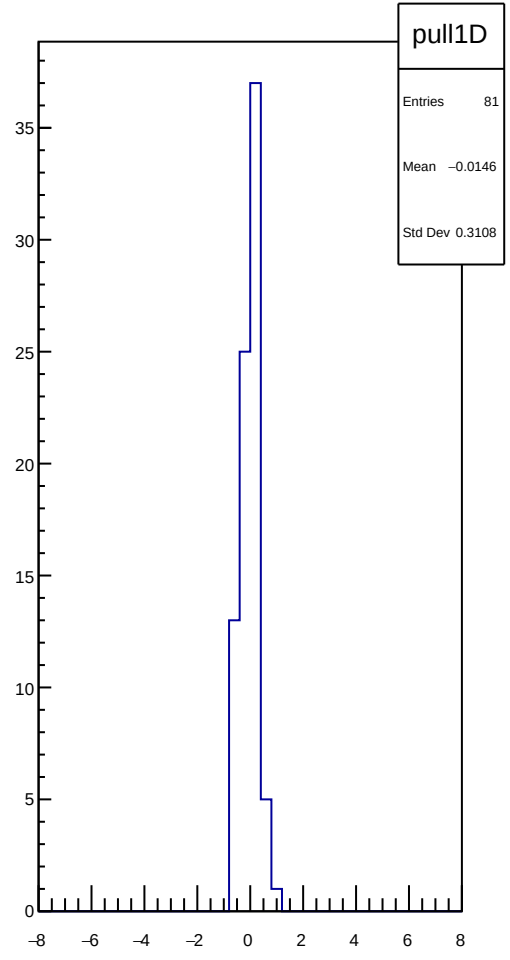

pull1D
Entries 81
Mean 0.002861
Std Dev 0.3322

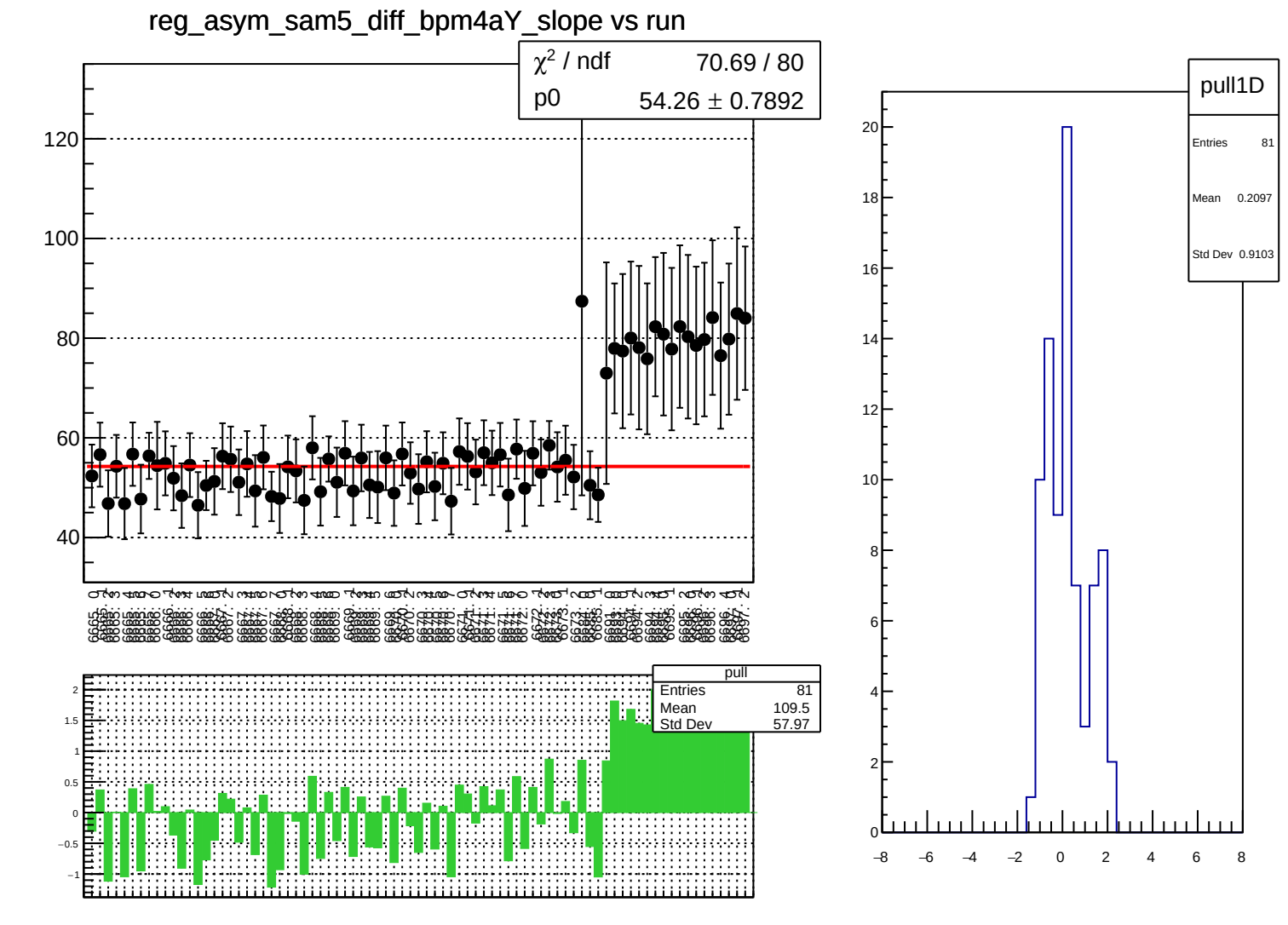

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 81.44 / 80
p0 177.3 ± 1.606
pull
Entries 81
Mean 114.9
Std Dev 63.74

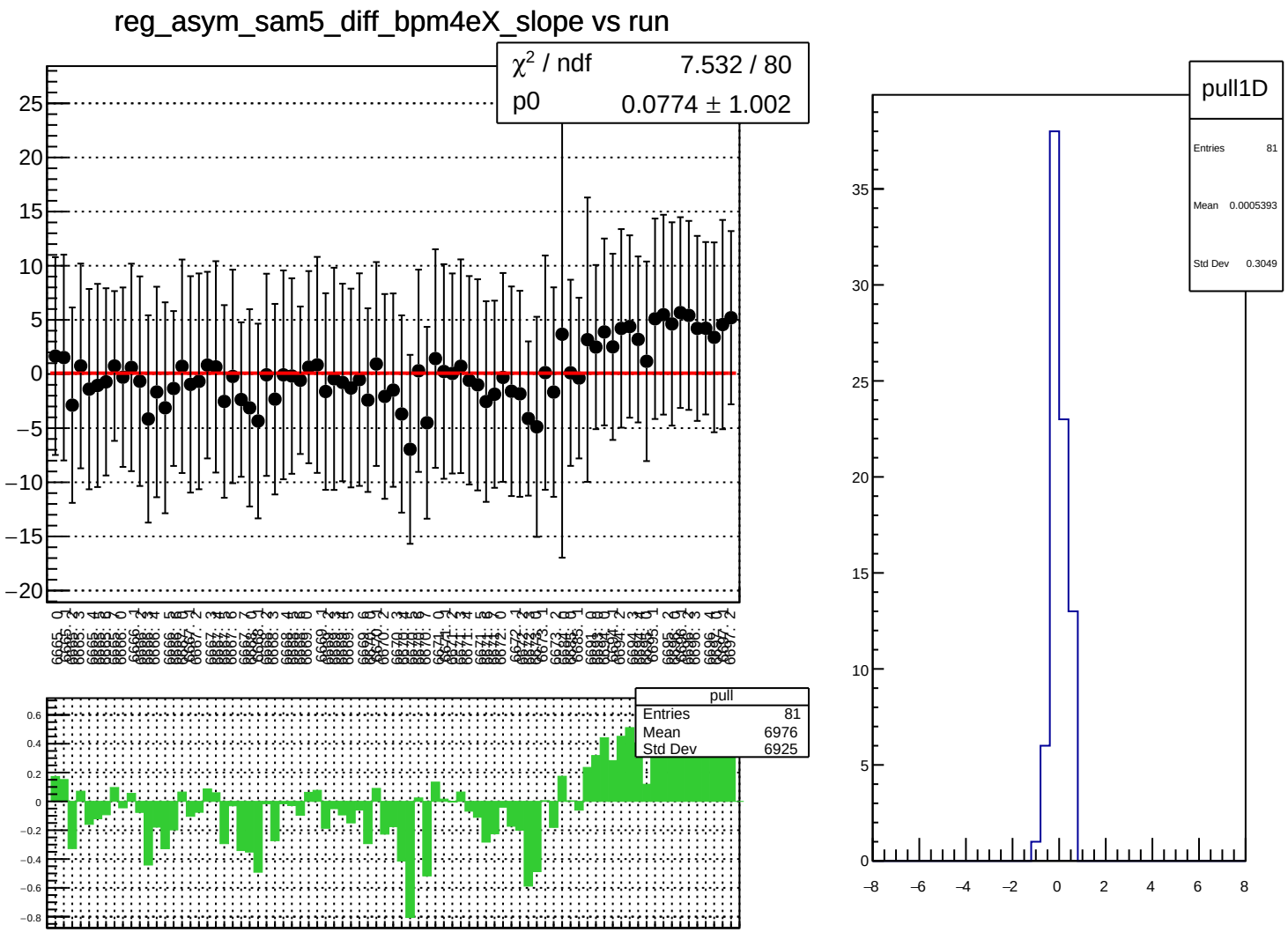

pull1D
Entries 81
Mean −0.1927
Std Dev 0.984

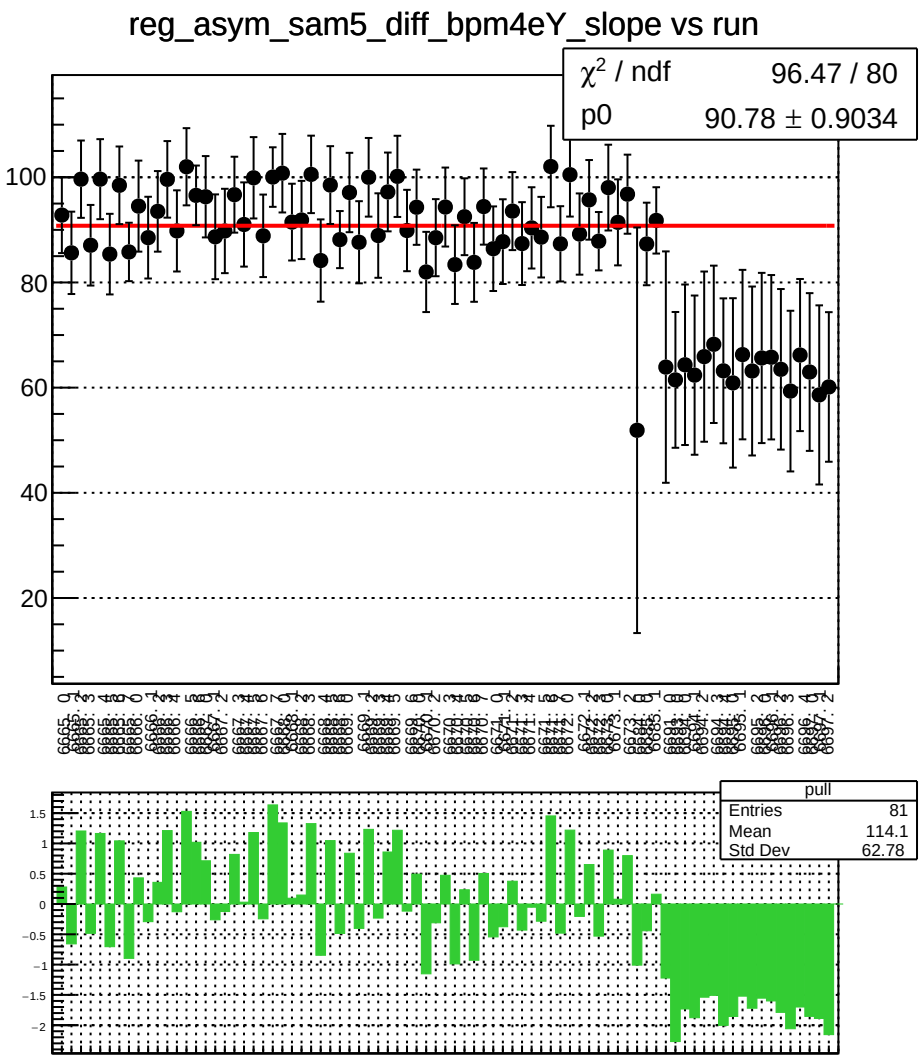

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 88.89 / 80
p0 0.3953 ± 0.07033
pull
Entries 81
Mean 991.5
Std Dev 943.7
pull1D
Entries 81
Mean −0.01859
Std Dev 1.047

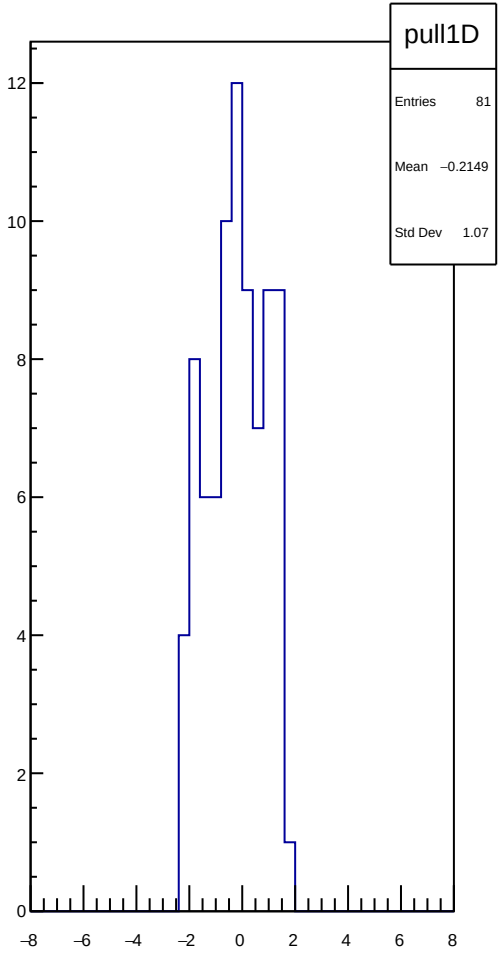

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 7.843 / 80
p0 3.271 ± 0.9485
pull
Entries 81
Mean 282.2
Std Dev 228.4

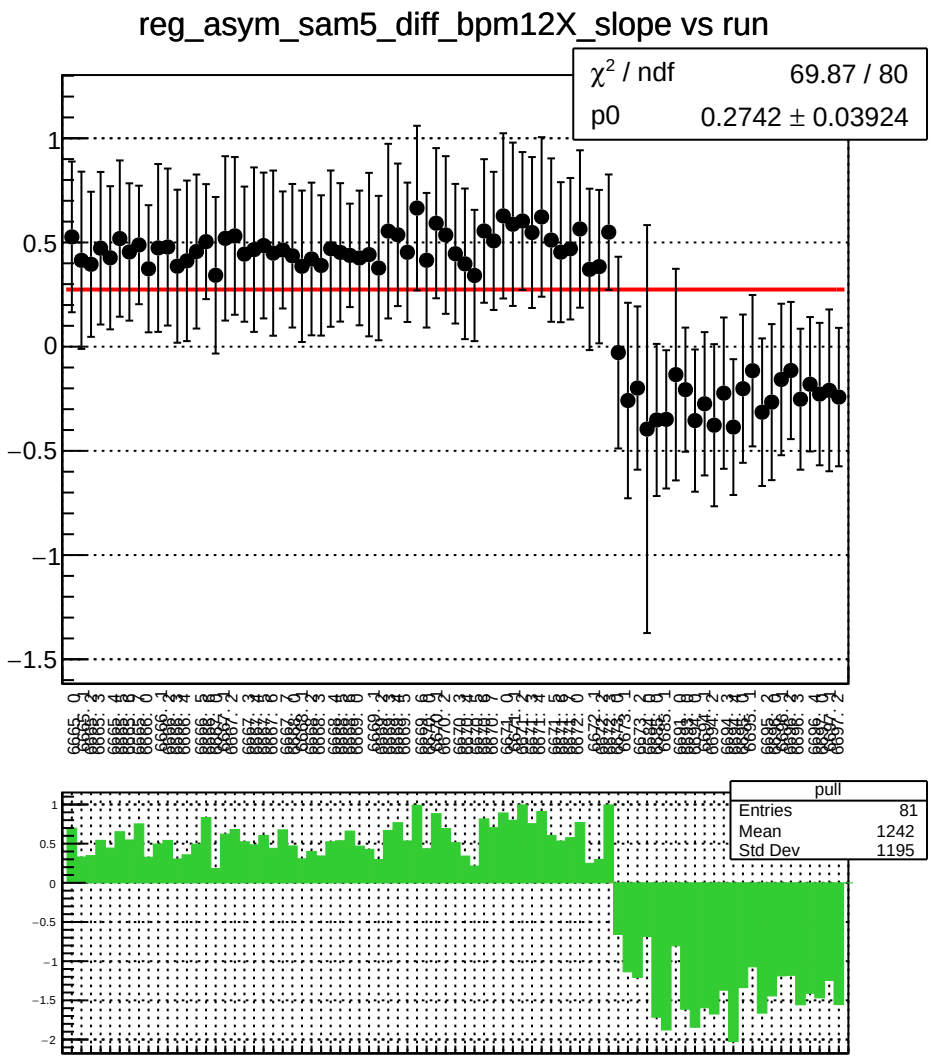

pull1D
Entries 81
Mean −0.0146
Std Dev 0.3108

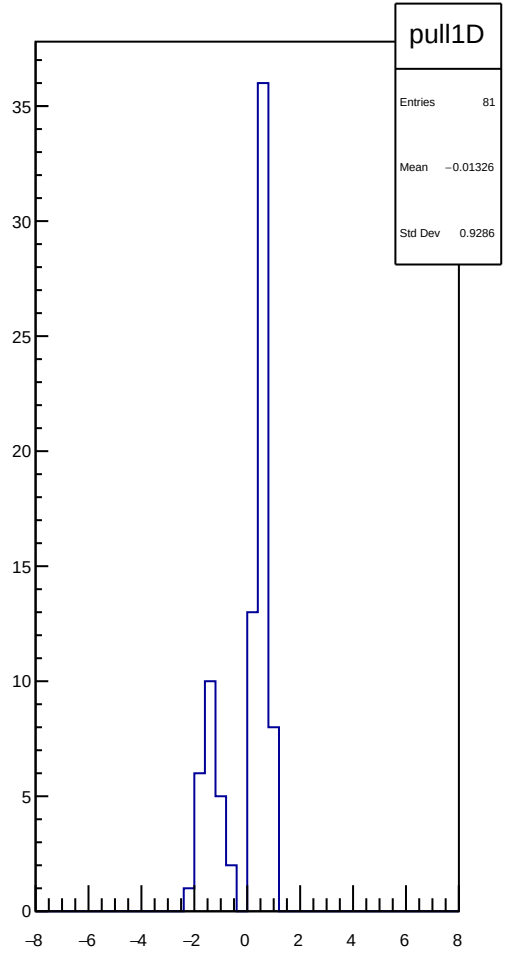

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 70.69 / 80
p0 54.26 ± 0.7892
120
100
80
60
40
pull
Entries 81
Mean 109.5
Std Dev 57.97
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.2097
Std Dev 0.9103
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

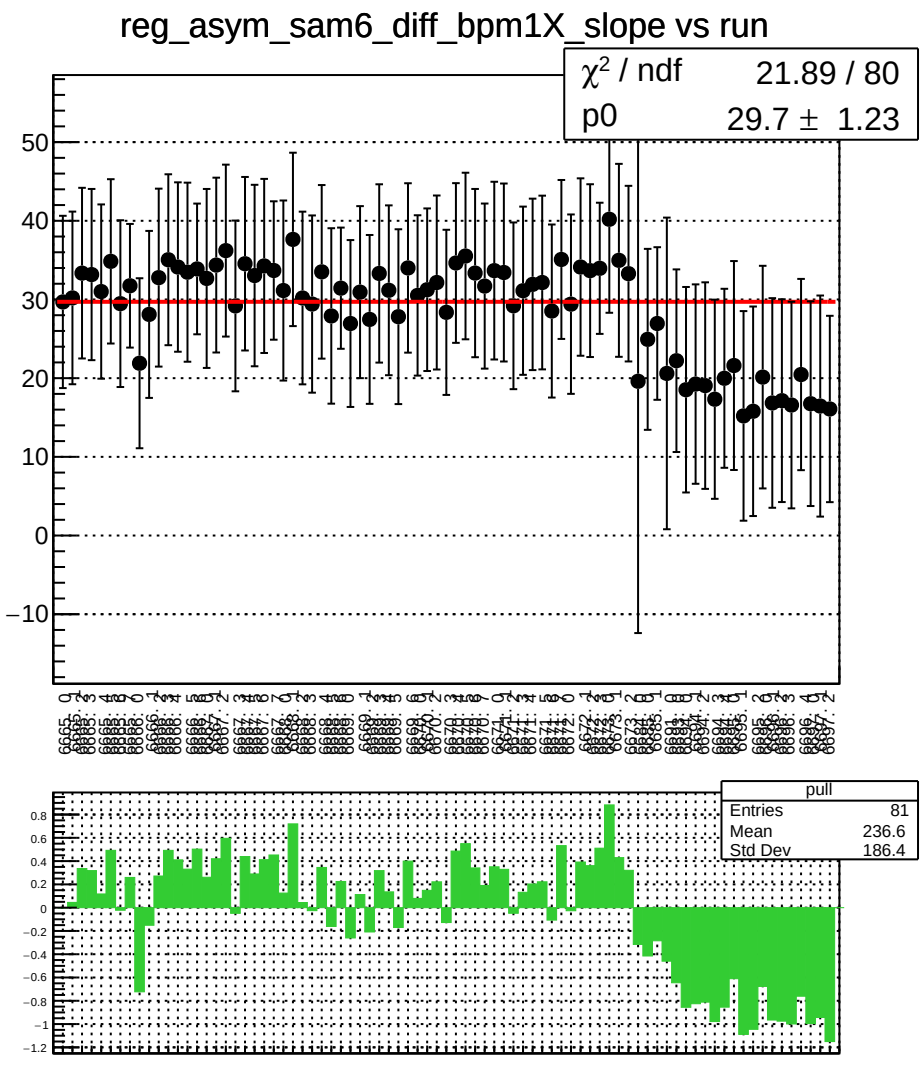

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 7.532 / 80
p0 0.0774 ± 1.002
pull
Entries 81
Mean 6976
Std Dev 6925
pull1D
Entries 81
Mean 0.0005393
Std Dev 0.3049

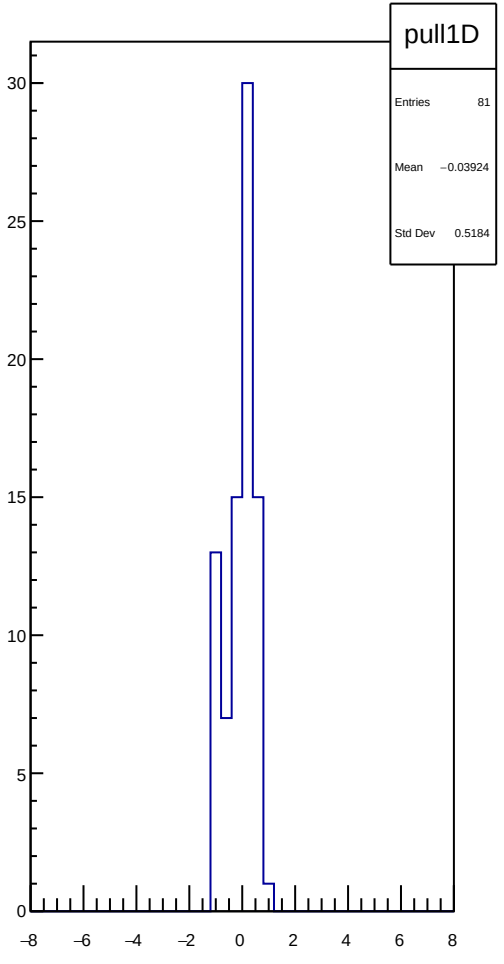

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 96.47 / 80
p0 90.78 ± 0.9034
pull
Entries 81
Mean 114.1
Std Dev 62.78

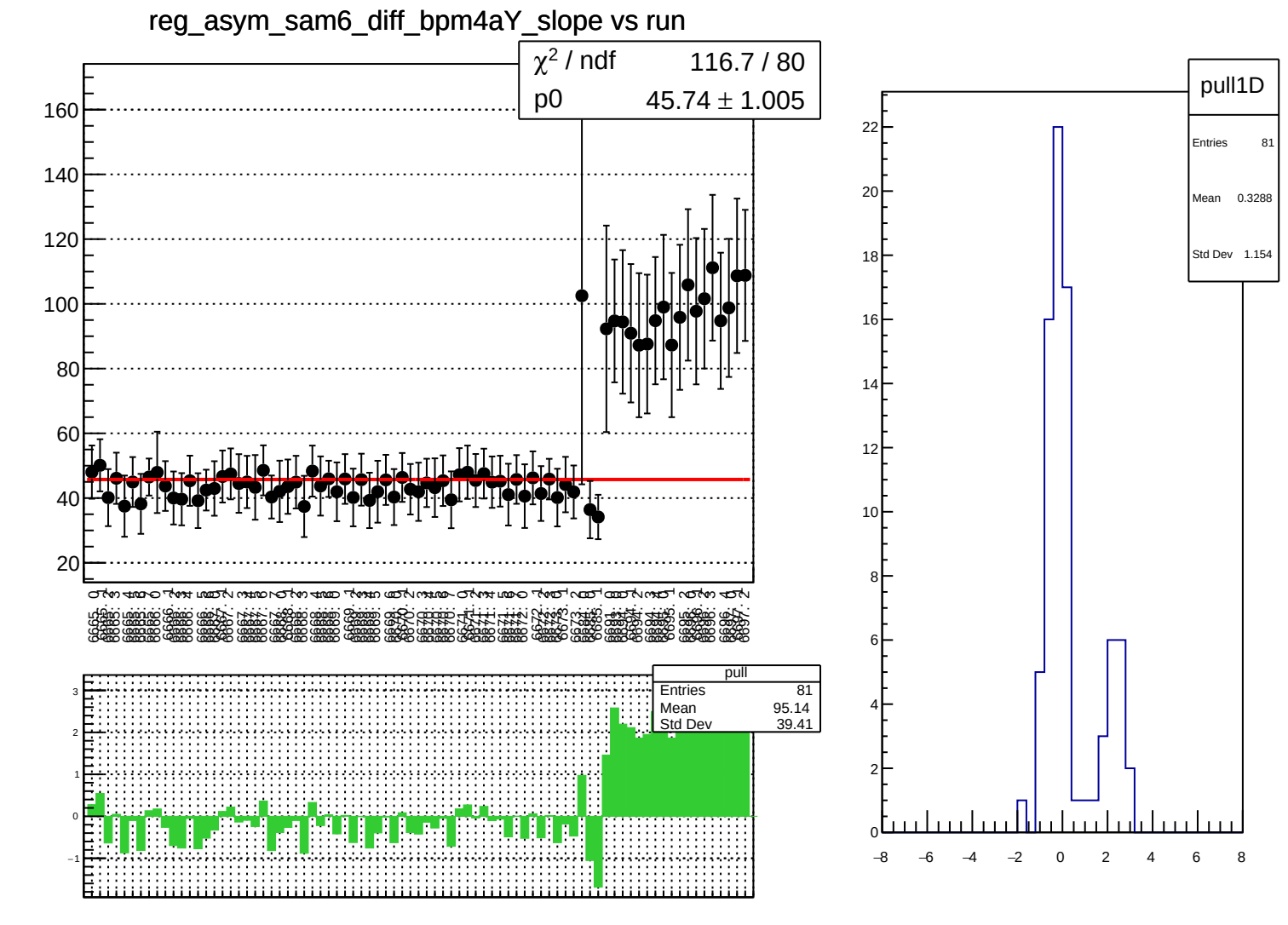

pull1D
Entries 81
Mean −0.2149
Std Dev 1.07

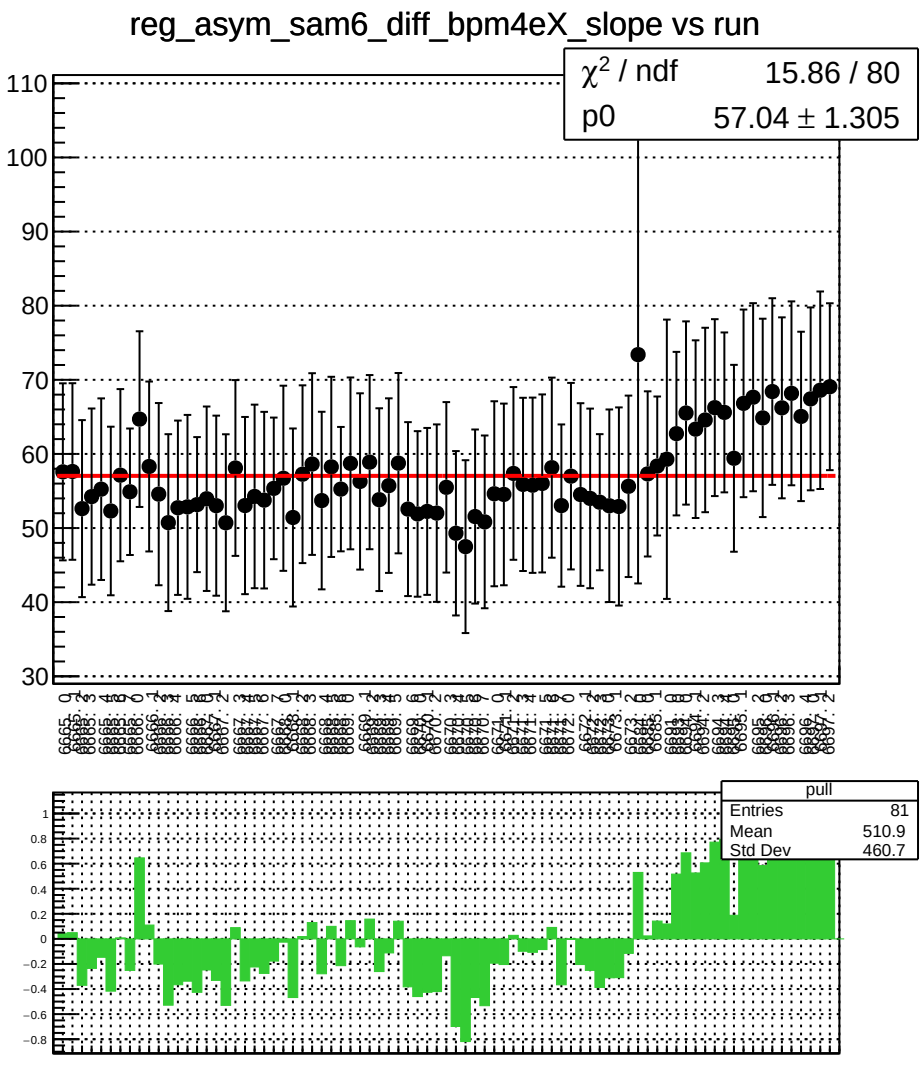

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 69.87 / 80
p0 0.2742 ± 0.03924
pull
Entries 81
Mean 1242
Std Dev 1195

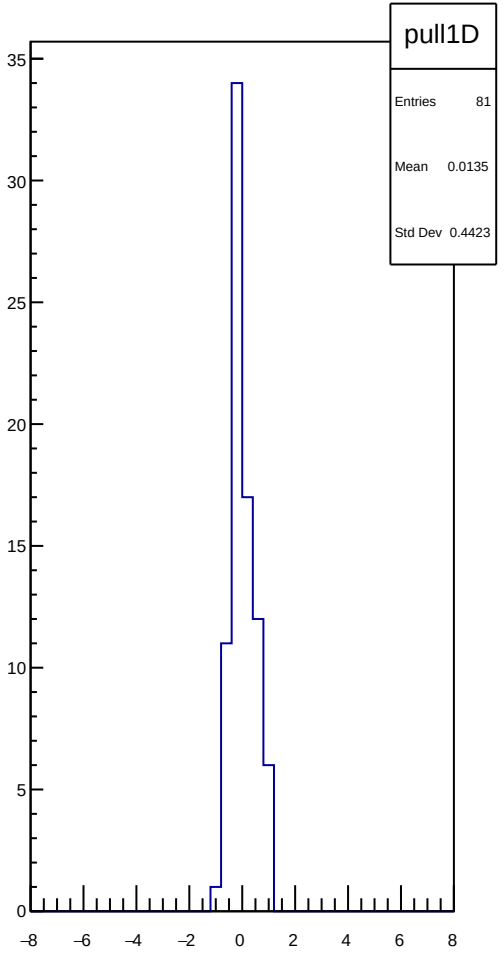

pull1D
Entries 81
Mean −0.01326
Std Dev 0.9286

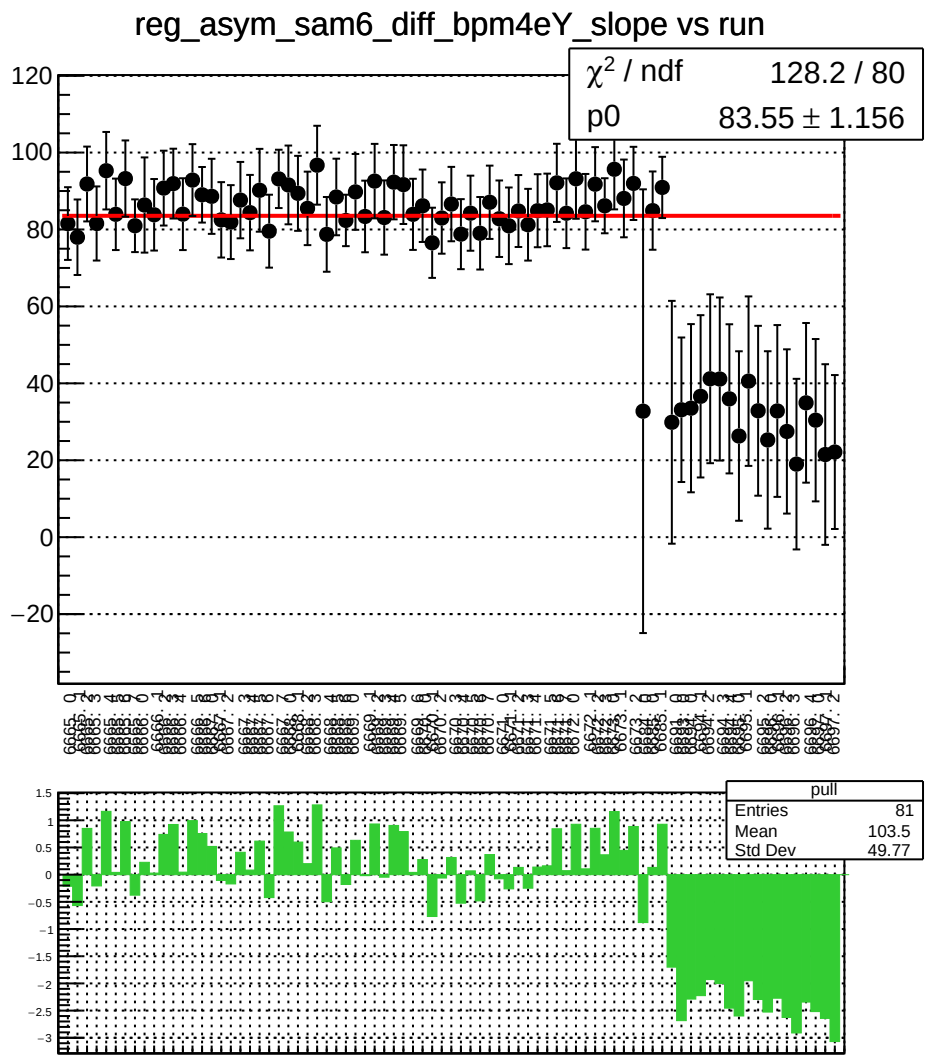

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 21.89 / 80
p0 29.7 ± 1.23
pull
Entries 81
Mean 236.6
Std Dev 186.4

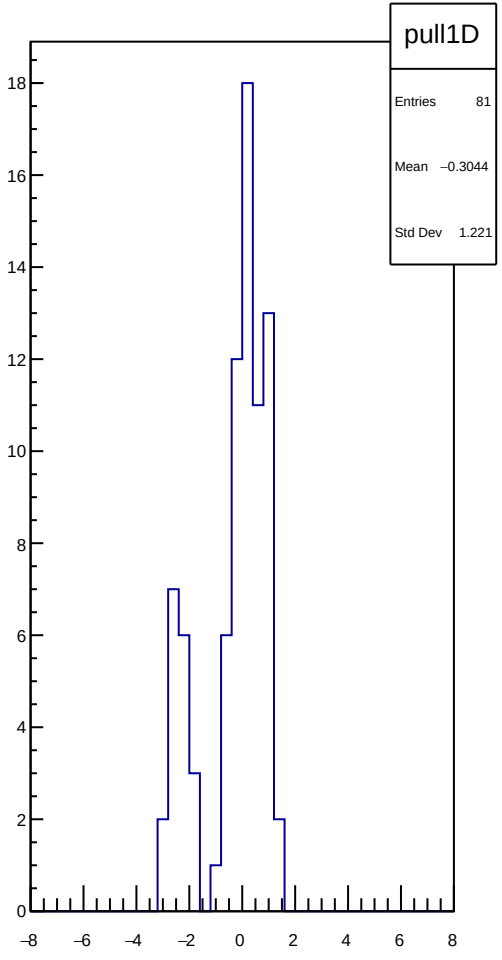

pull1D
Entries 81
Mean −0.03924
Std Dev 0.5184

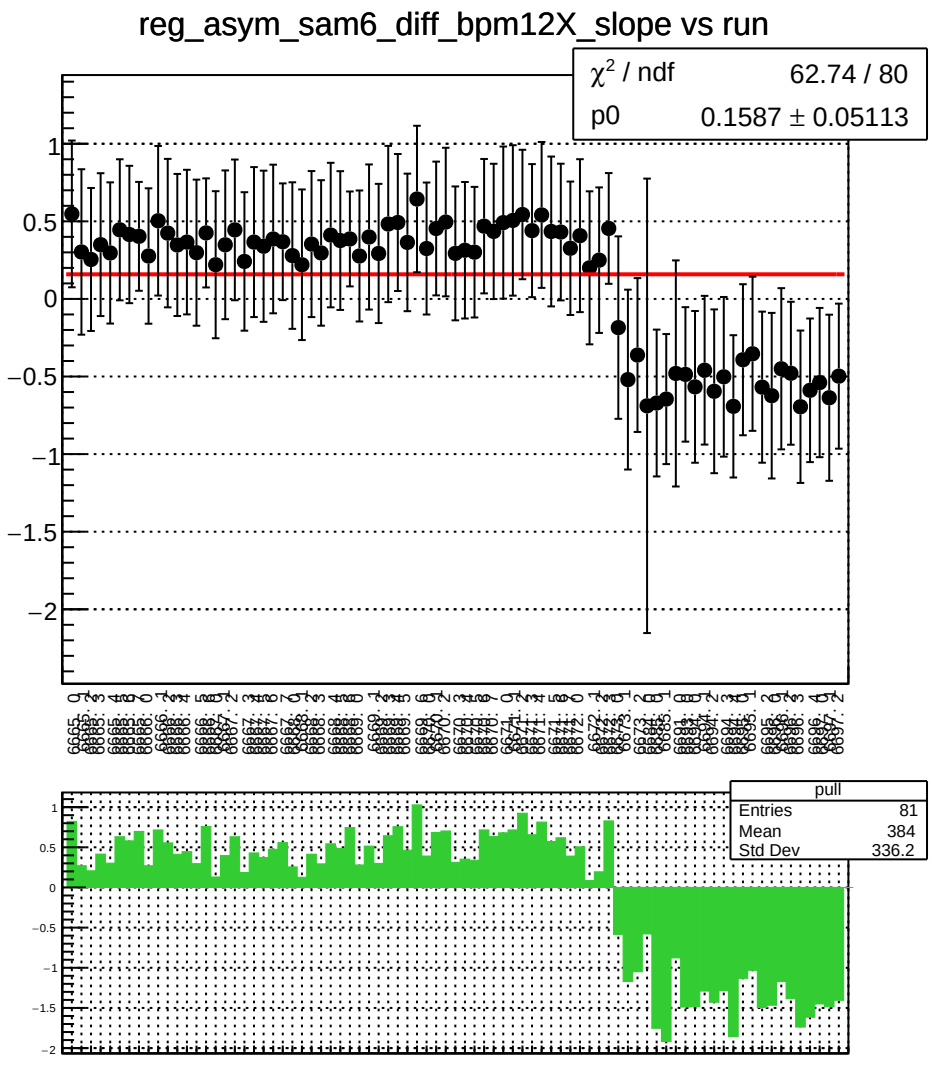

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 116.7 / 80
p0 45.74 ± 1.005
pull
Entries 81
Mean 95.14
Std Dev 39.41
pull1D
Entries 81
Mean 0.3288
Std Dev 1.154

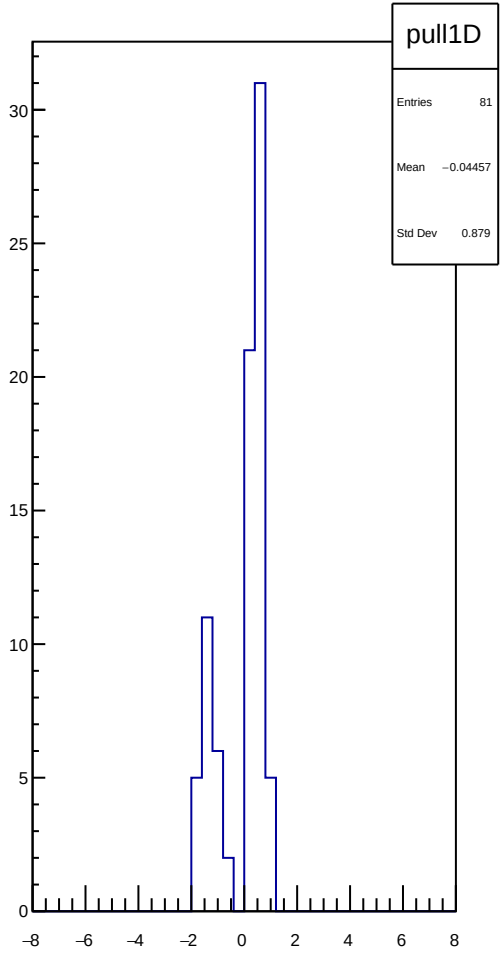

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 15.86 / 80
p0 57.04 ± 1.305
pull
Entries 81
Mean 510.9
Std Dev 460.7

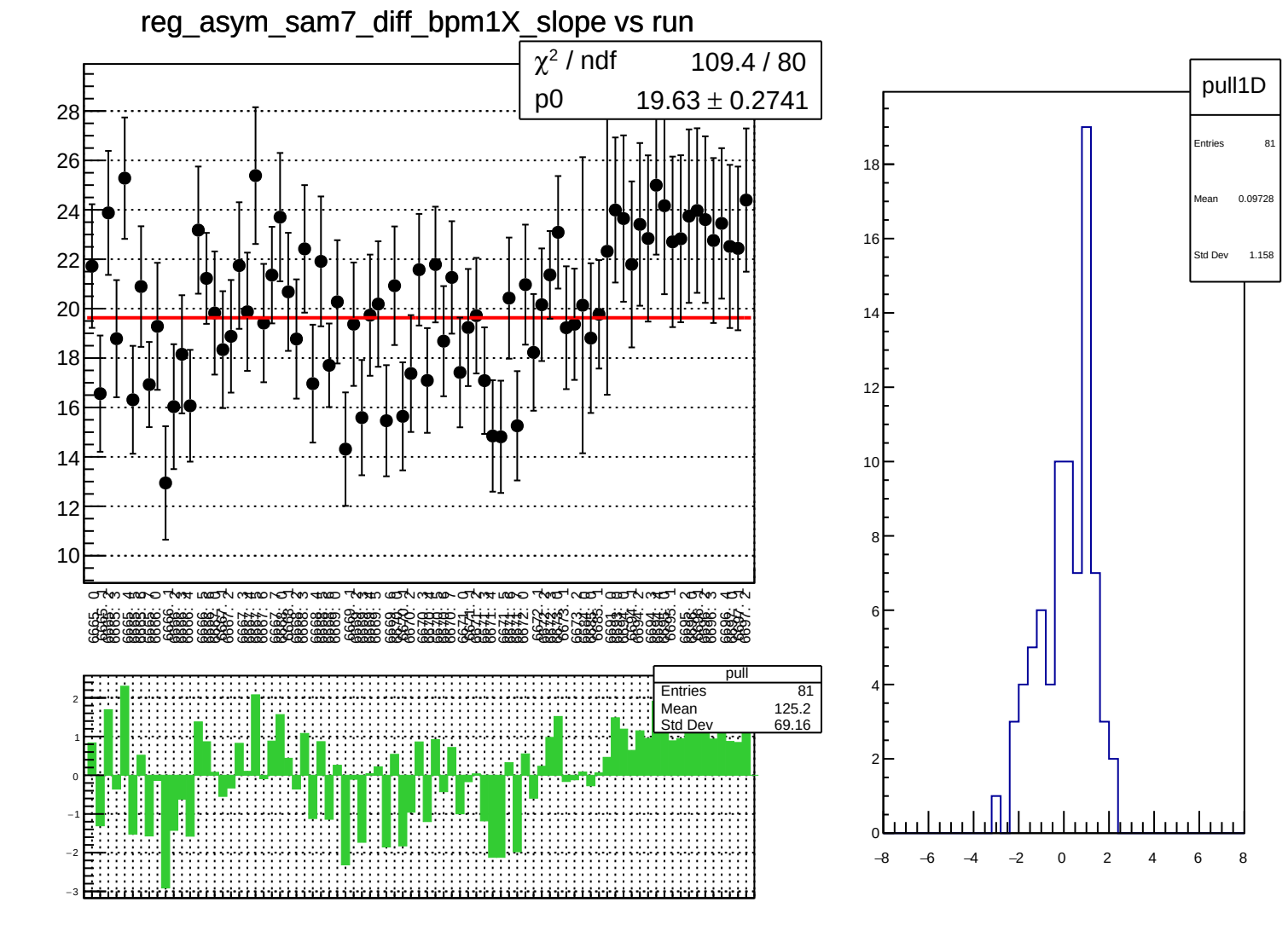

pull1D
Entries 81
Mean 0.0135
Std Dev 0.4423

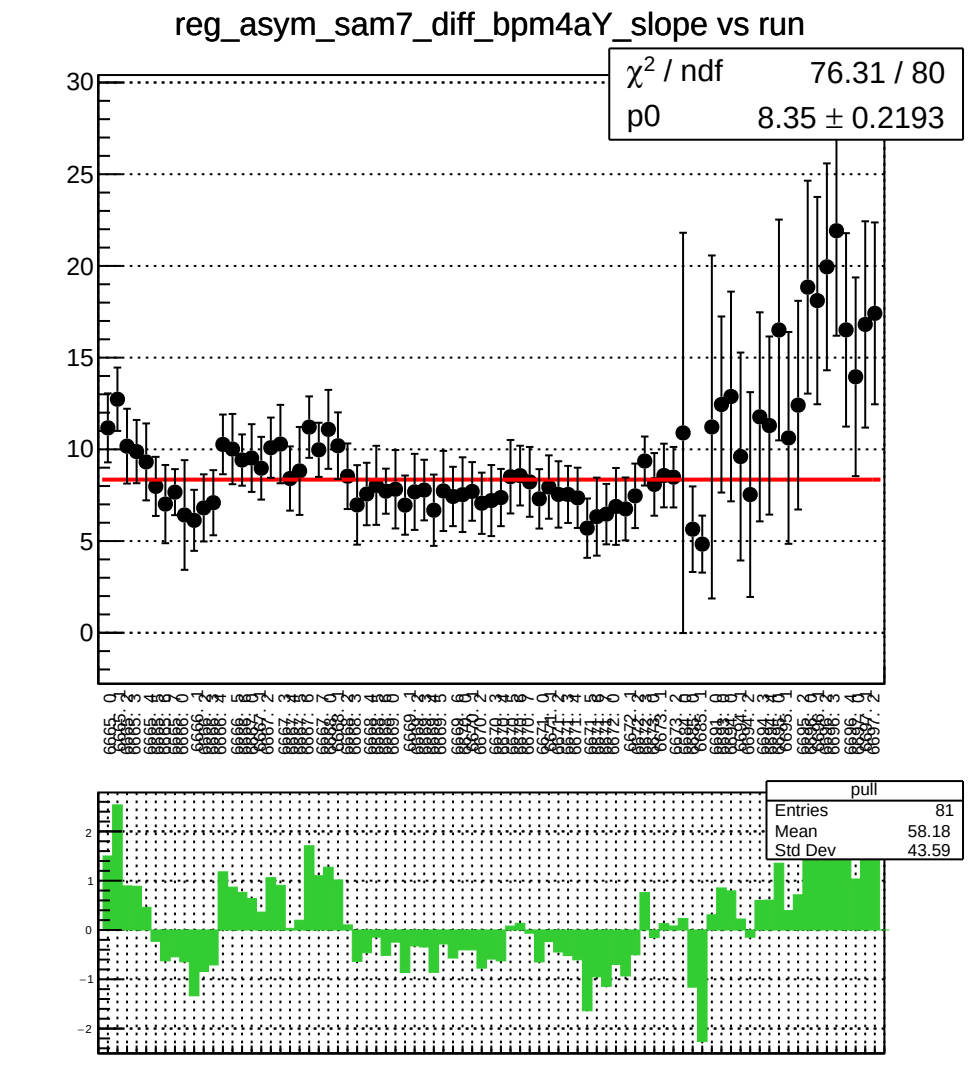

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 128.2 / 80
p0 83.55 ± 1.156
pull
Entries 81
Mean 103.5
Std Dev 49.77

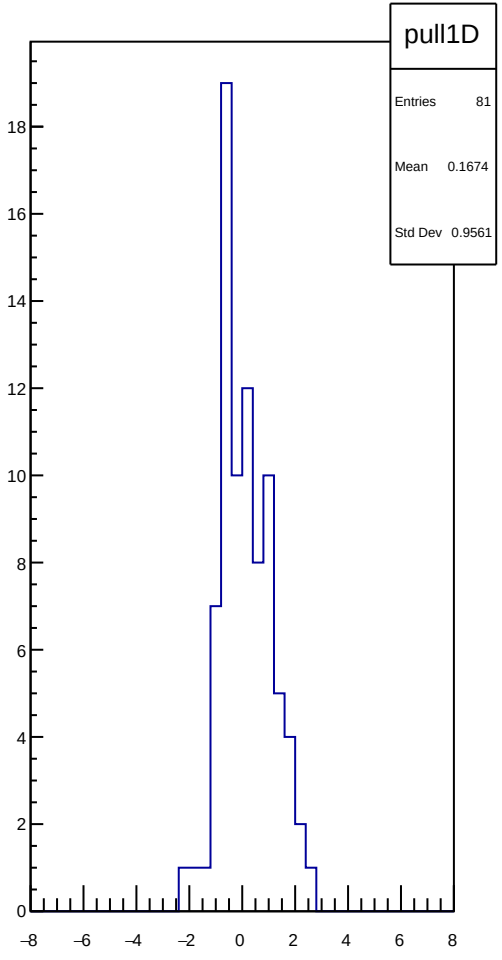

pull1D
Entries 81
Mean −0.3044
Std Dev 1.221

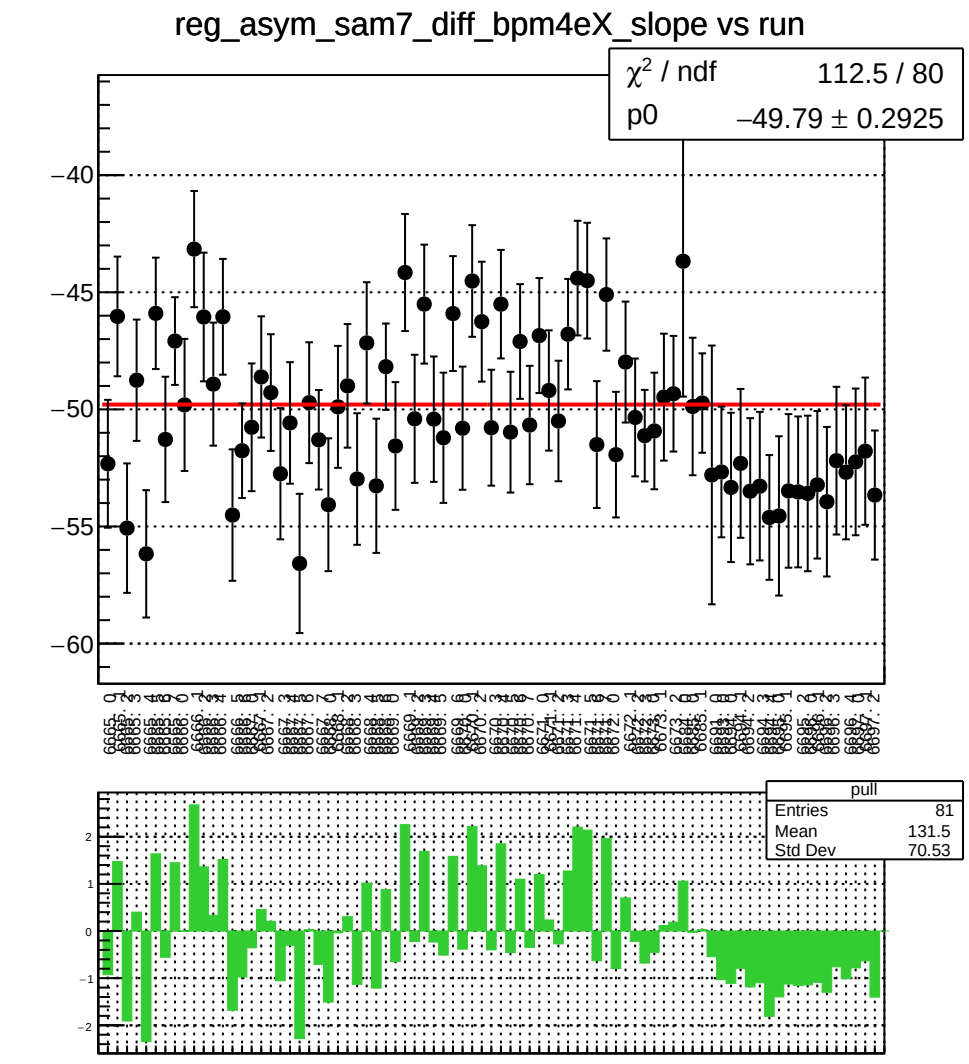

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 62.74 / 80
p0 0.1587 ± 0.05113
pull
Entries 81
Mean 384
Std Dev 336.2

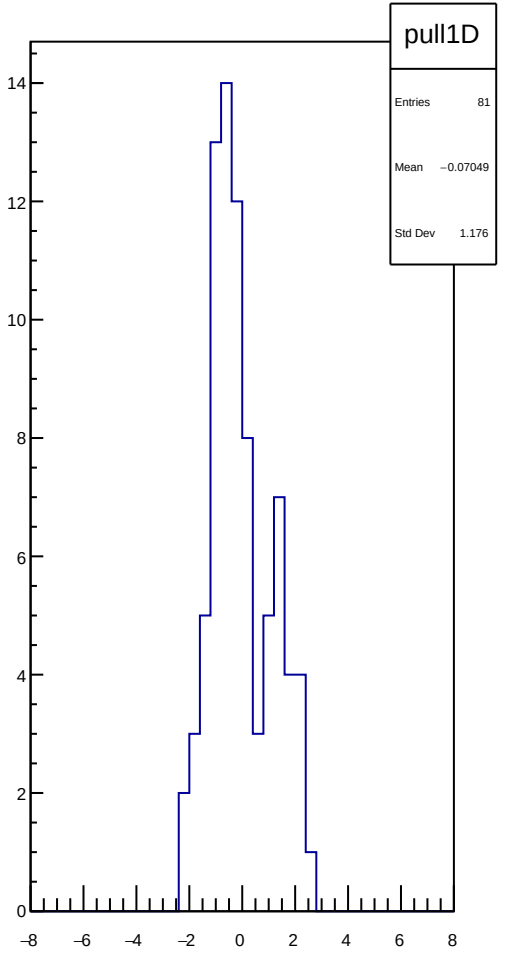

pull1D
Entries 81
Mean −0.04457
Std Dev 0.879

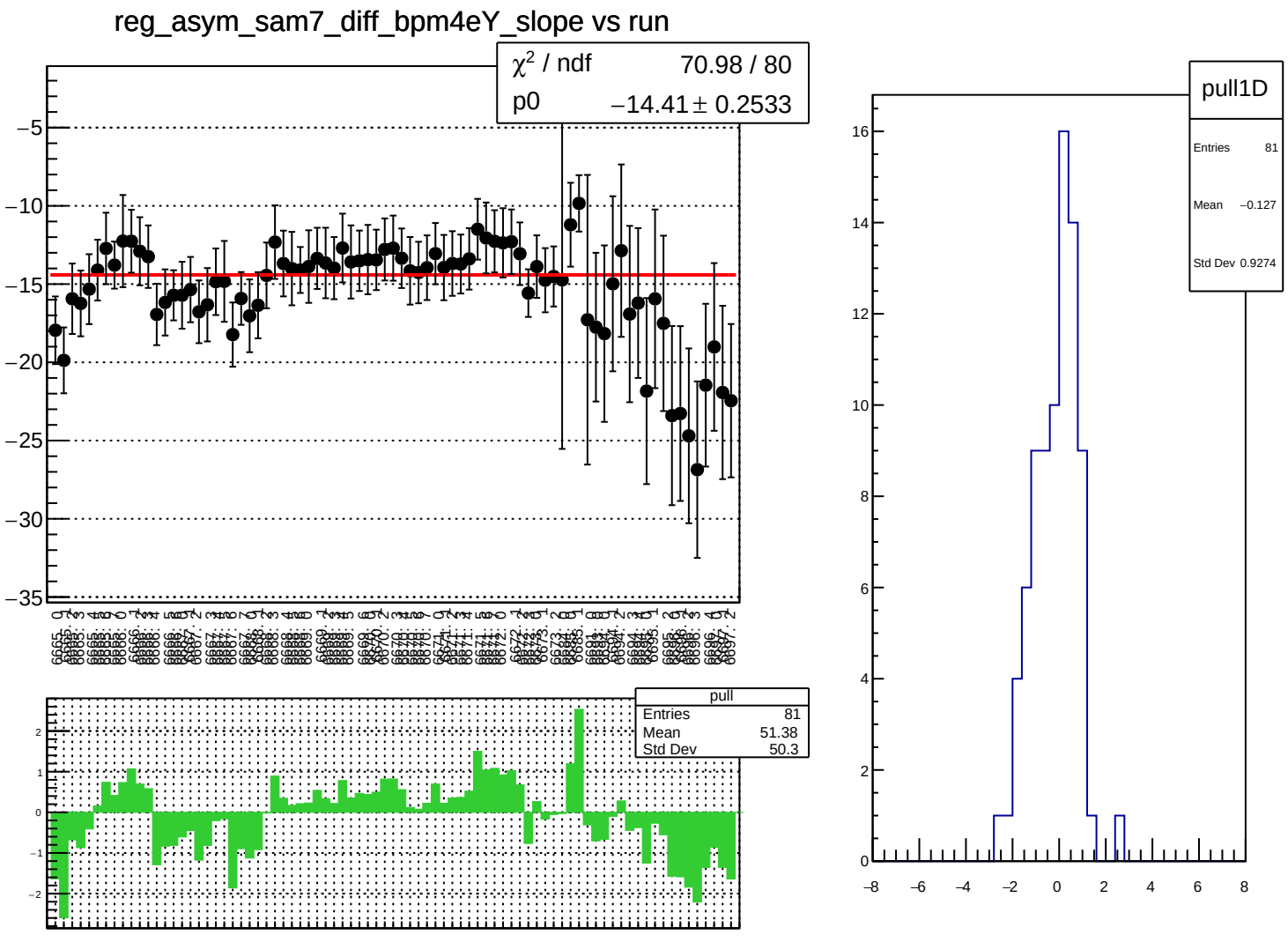

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 109.4 / 80
p0 19.63 ± 0.2741
pull
Entries 81
Mean 125.2
Std Dev 69.16
pull1D
Entries 81
Mean 0.09728
Std Dev 1.158

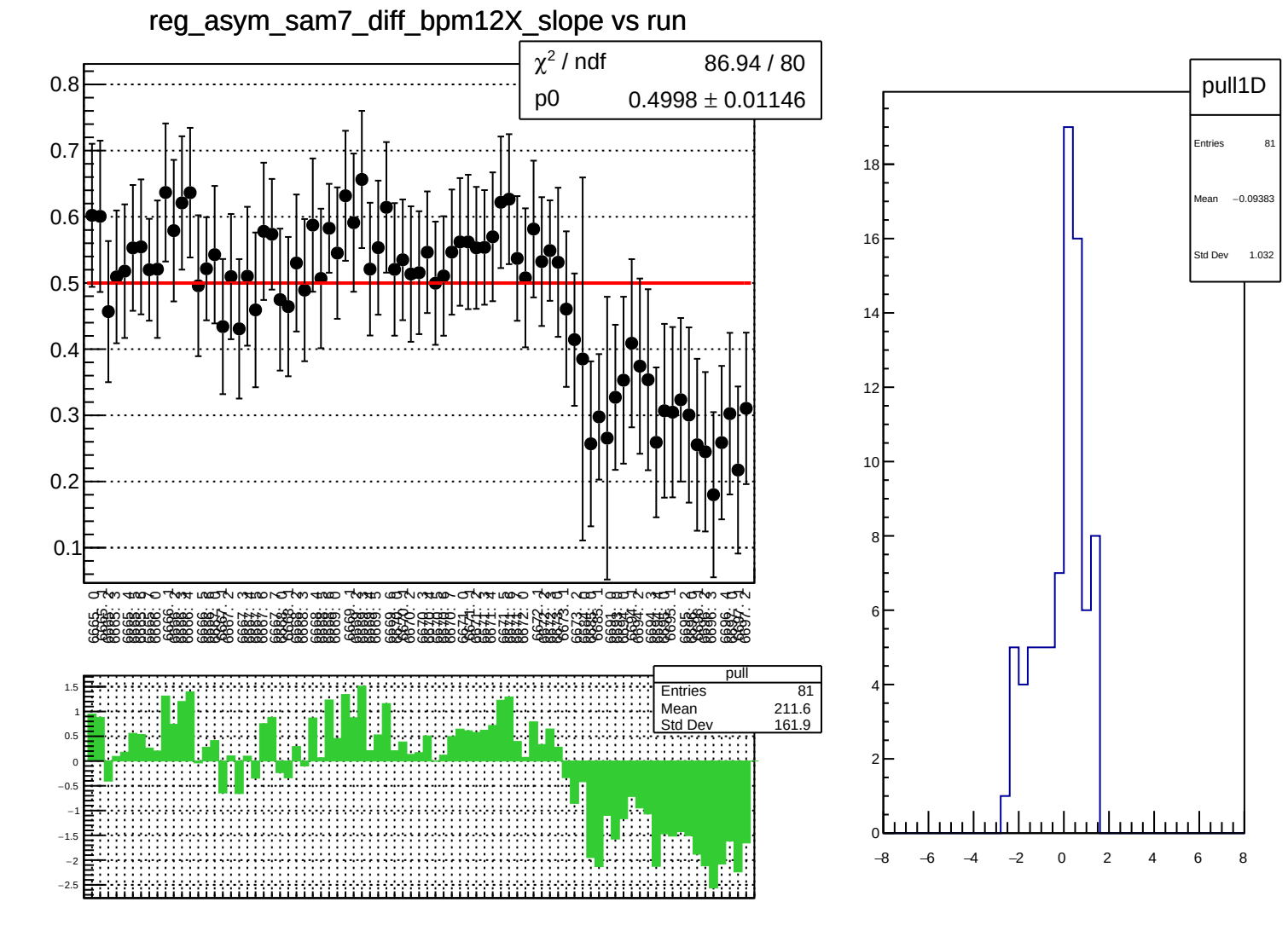

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 76.31 / 80
p0 8.35 ± 0.2193
pull
Entries 81
Mean 58.18
Std Dev 43.59

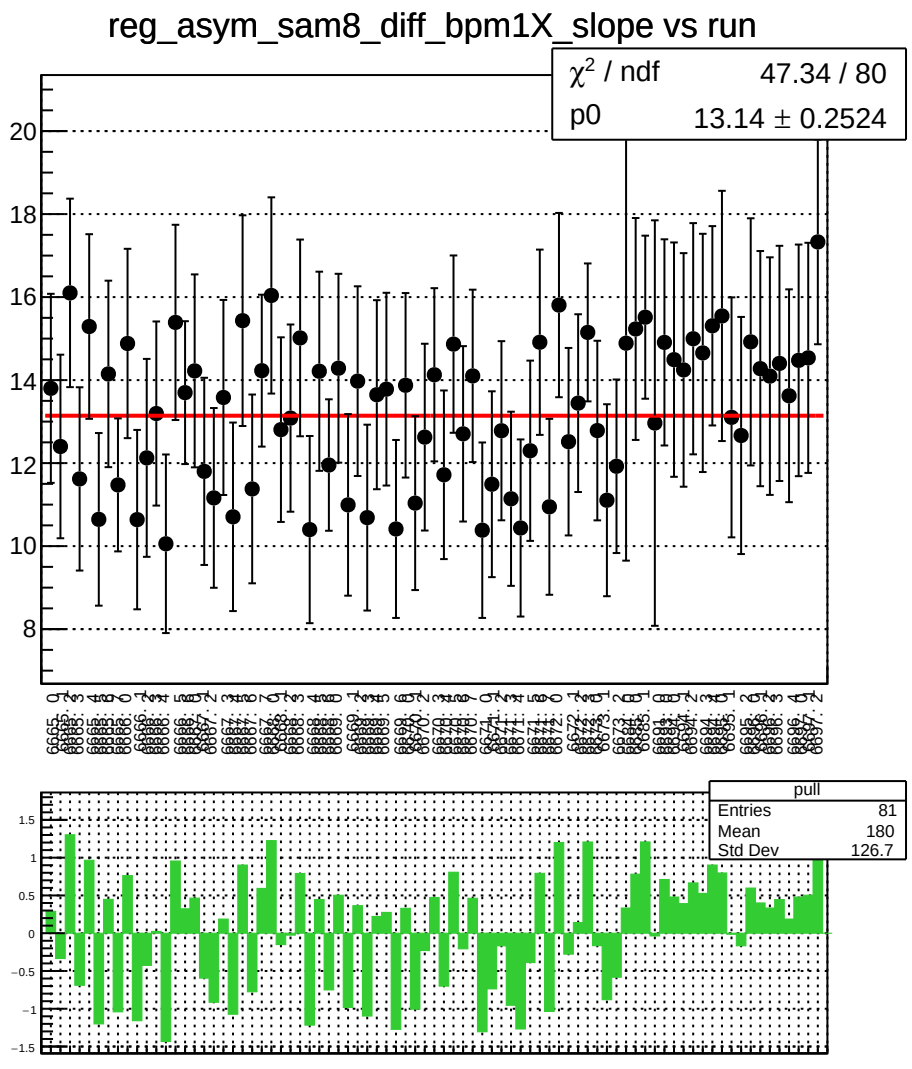

pull1D
Entries 81
Mean 0.1674
Std Dev 0.9561

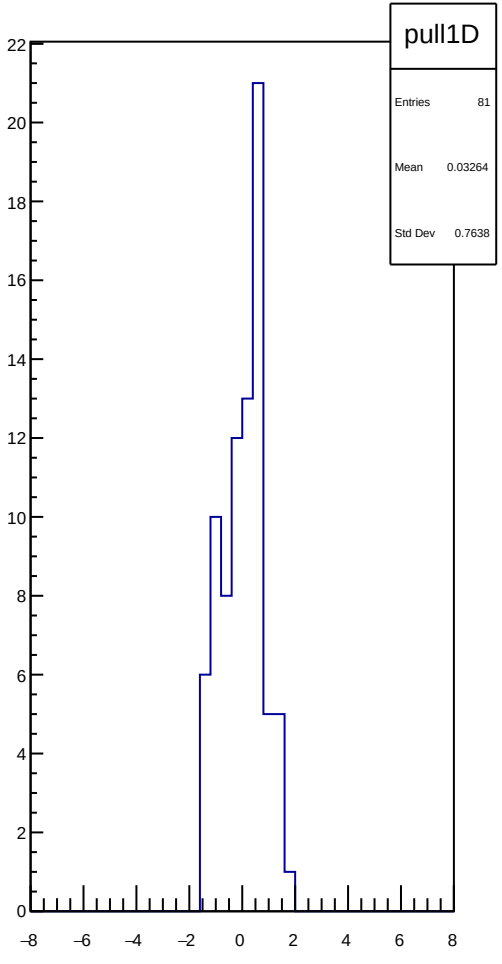

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 112.5 / 80
p0 −49.79 ± 0.2925
−40
−45
−50
−55
−60
pull
Entries 81
Mean 131.5
Std Dev 70.53
2
1
0
−1
−2

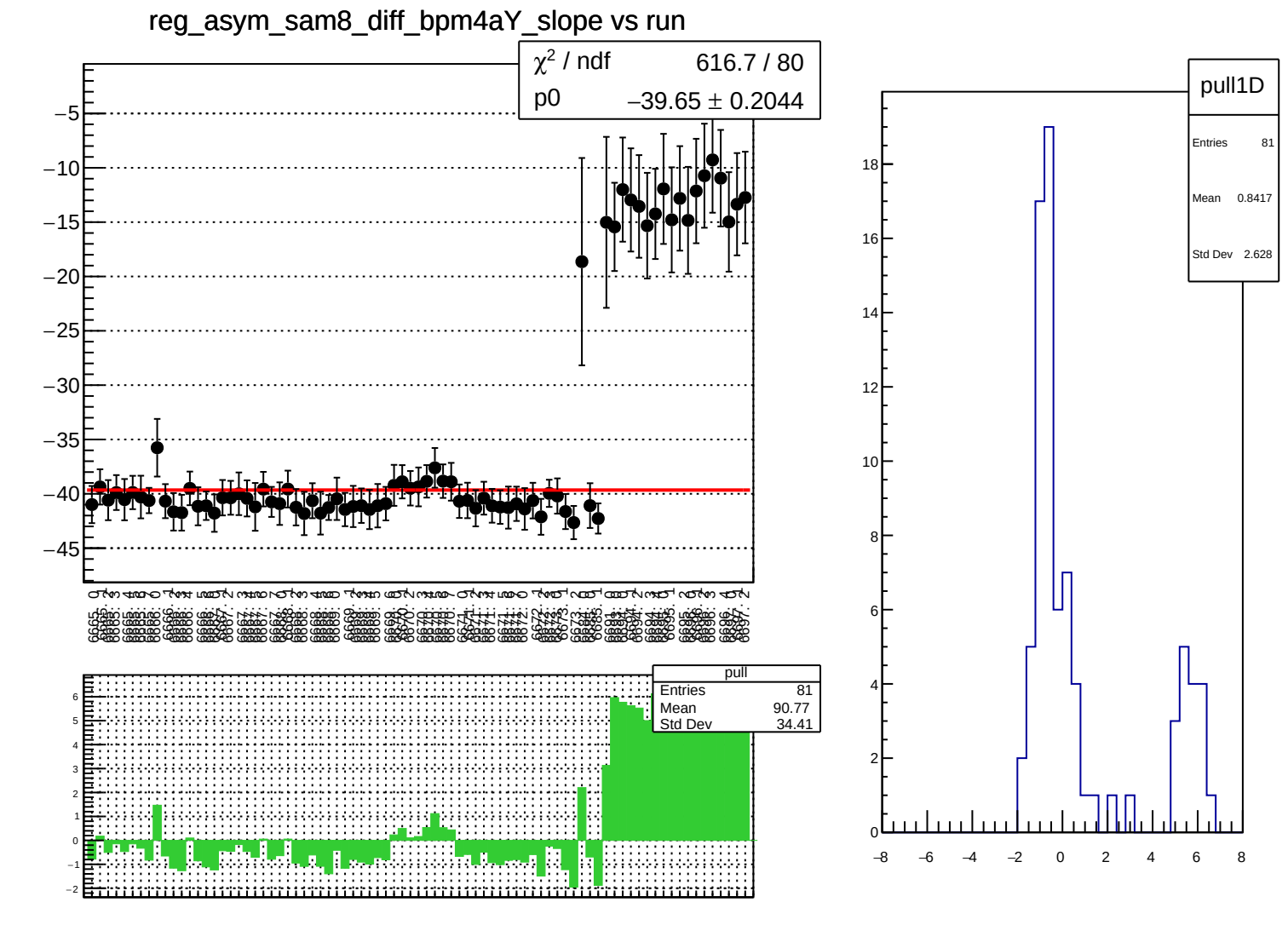

pull1D
Entries 81
Mean −0.07049
Std Dev 1.176
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

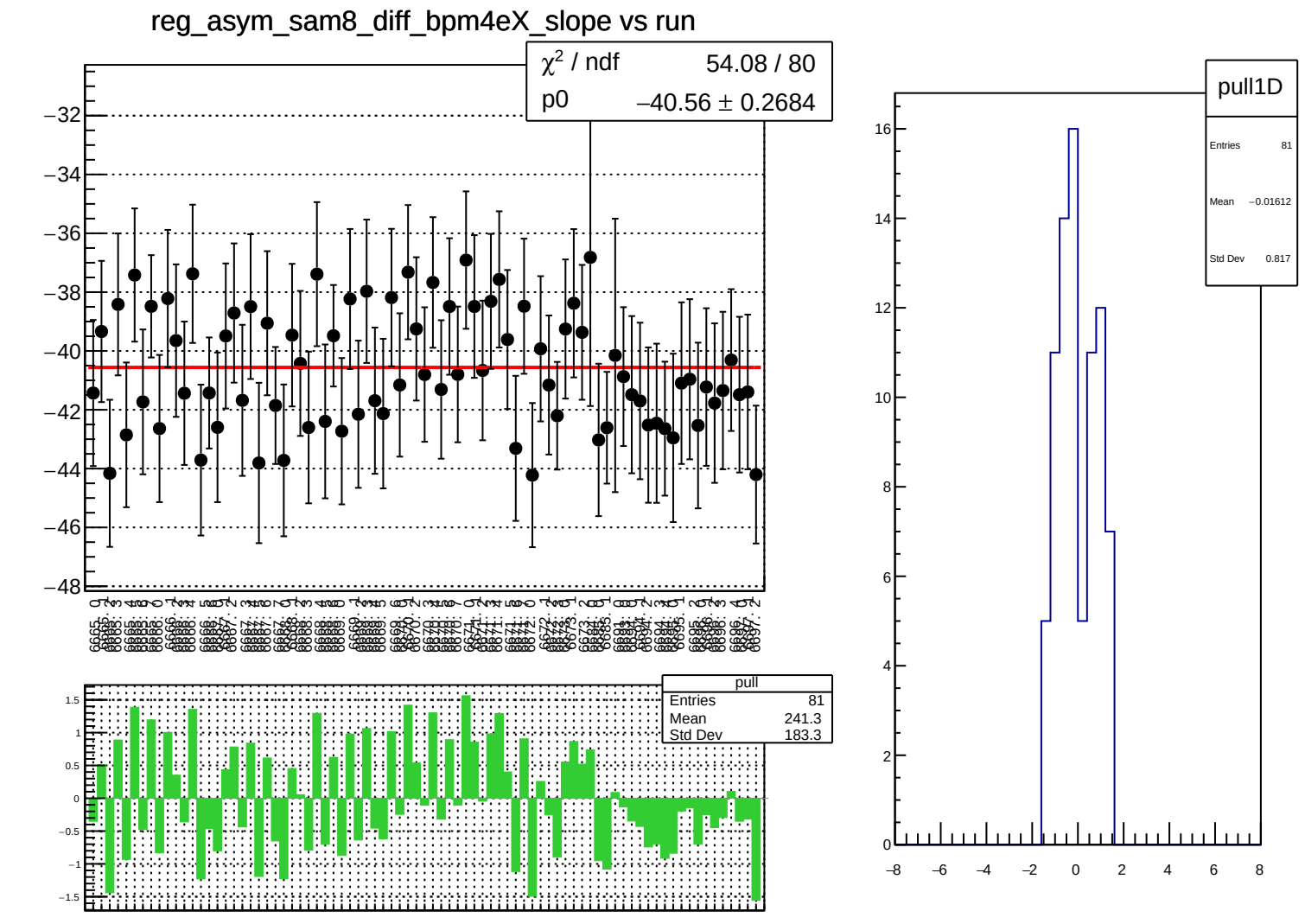

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 70.98 / 80
p0 −14.41 ± 0.2533
pull
Entries 81
Mean 51.38
Std Dev 50.3
pull1D
Entries 81
Mean −0.127
Std Dev 0.9274

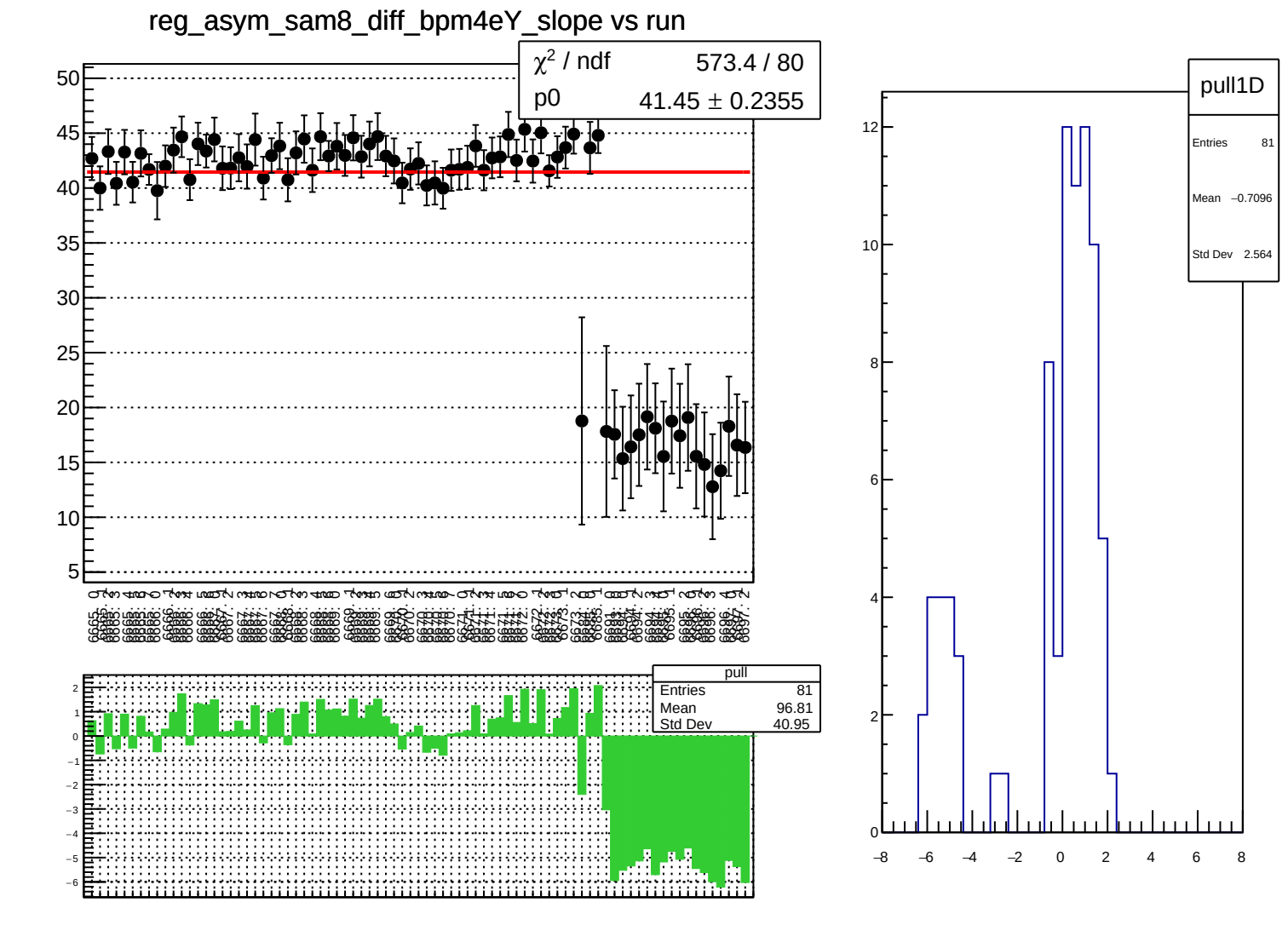

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 86.94 / 80
p0 0.4998 ± 0.01146
pull
Entries 81
Mean 211.6
Std Dev 161.9
pull1D
Entries 81
Mean −0.09383
Std Dev 1.032

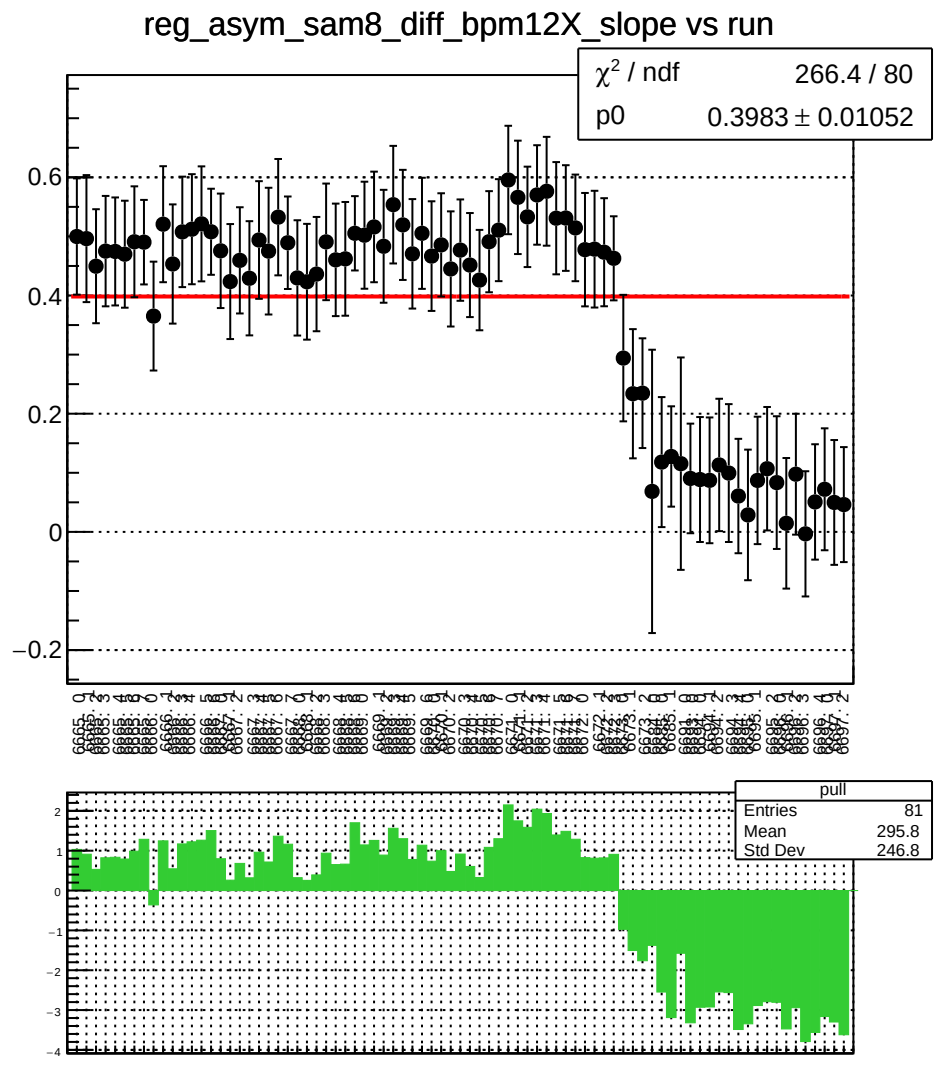

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 47.34 / 80
p0 13.14 ± 0.2524
pull
Entries 81
Mean 180
Std Dev 126.7

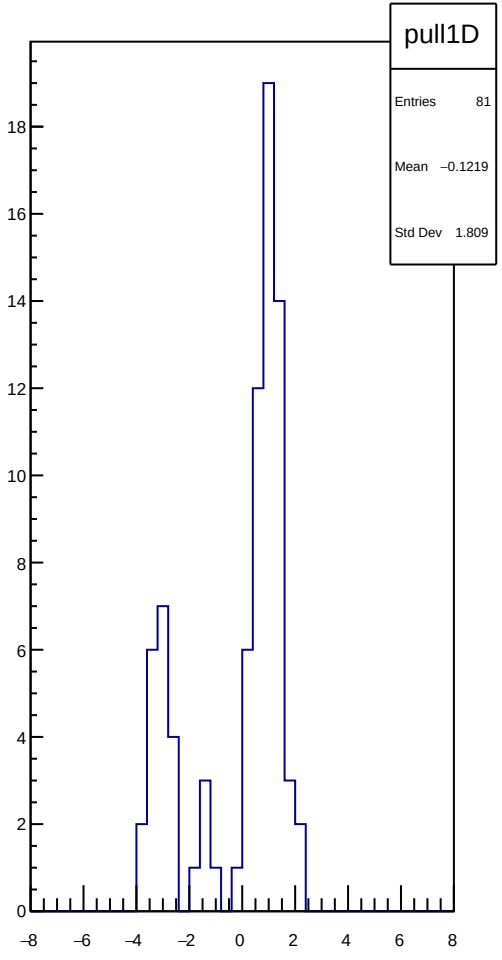

pull1D
Entries 81
Mean 0.03264
Std Dev 0.7638

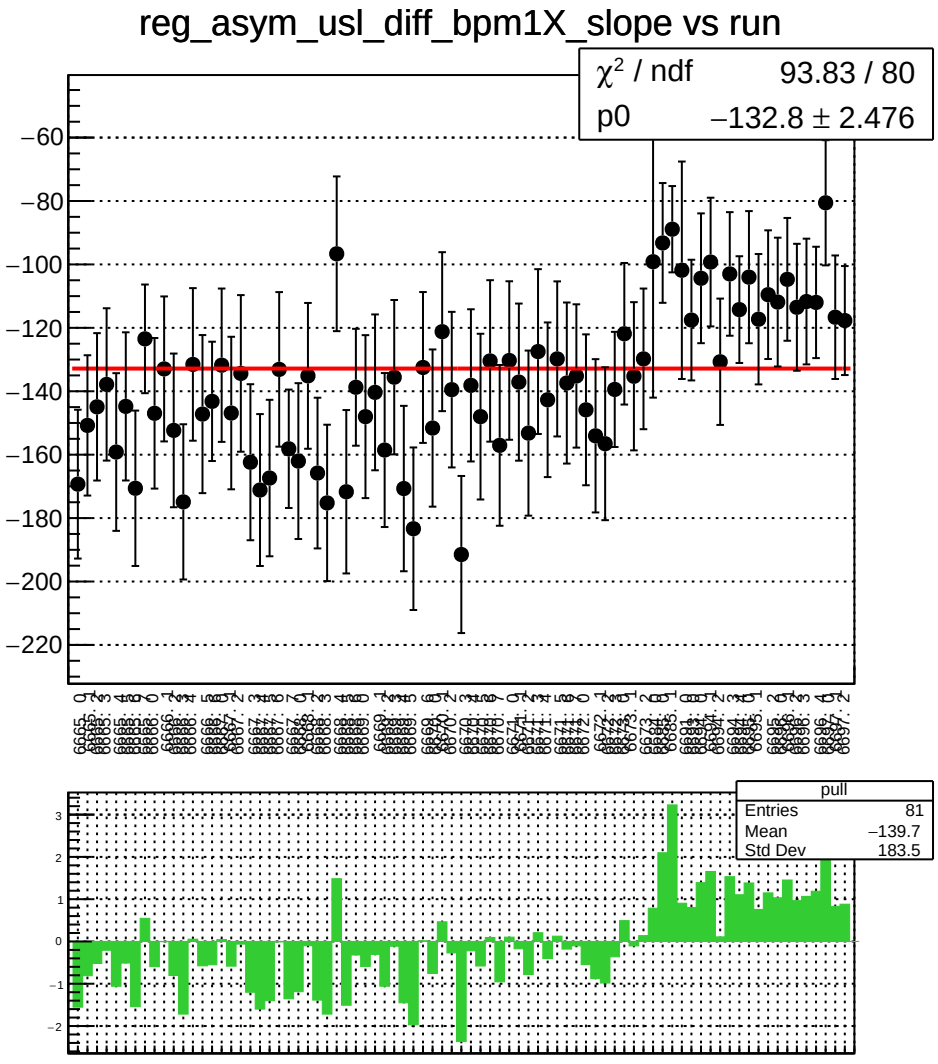

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 616.7 / 80
p0 −39.65 ± 0.2044
pull
Entries 81
Mean 90.77
Std Dev 34.41
pull1D
Entries 81
Mean 0.8417
Std Dev 2.628

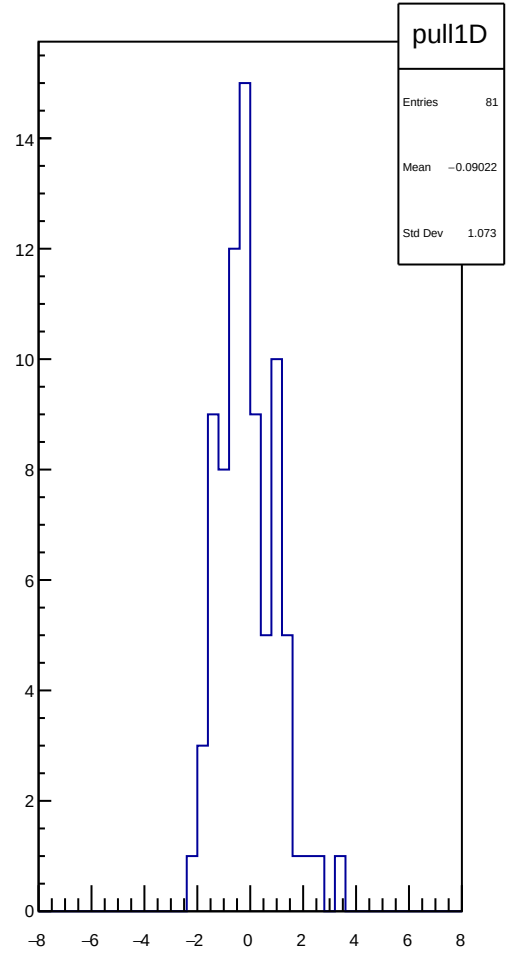

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 54.08 / 80
p0 −40.56 ± 0.2684
pull
Entries 81
Mean 241.3
Std Dev 183.3
pull1D
Entries 81
Mean −0.01612
Std Dev 0.817

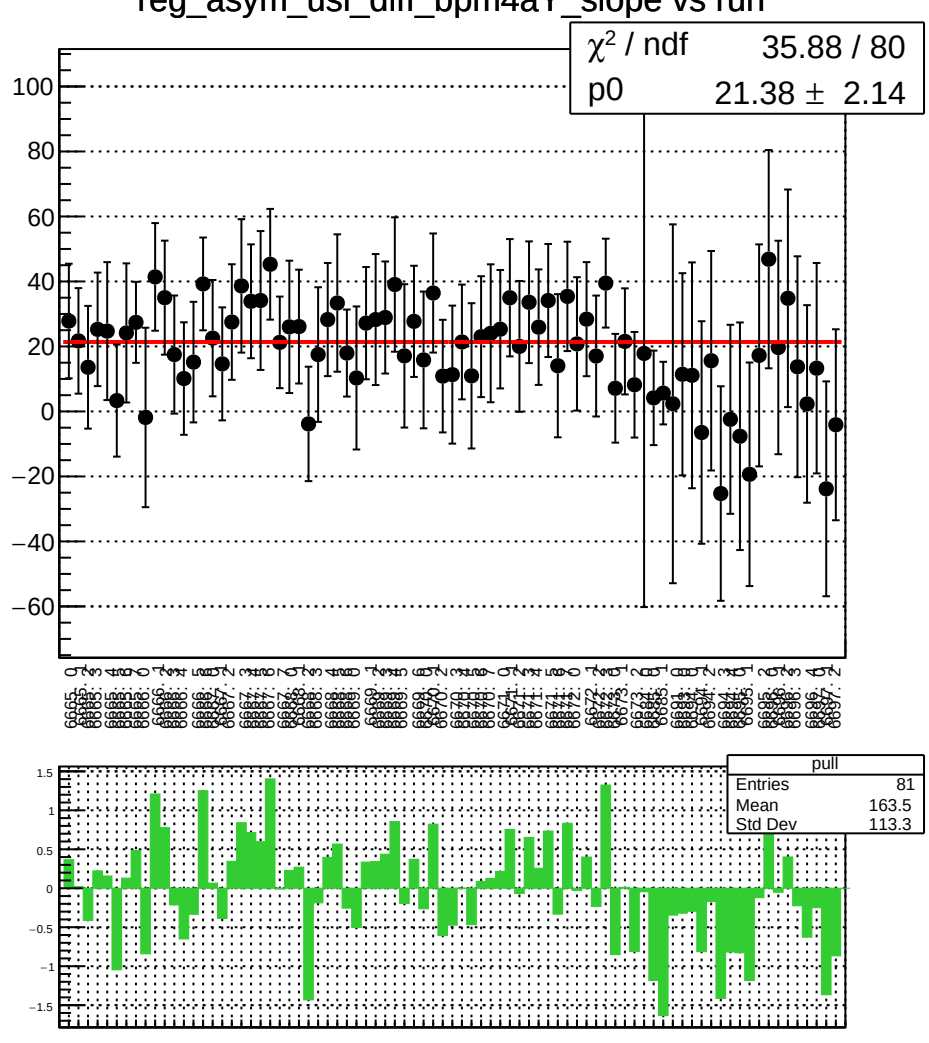

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 573.4 / 80
p0 41.45 ± 0.2355
pull
Entries 81
Mean 96.81
Std Dev 40.95
pull1D
Entries 81
Mean −0.7096
Std Dev 2.564

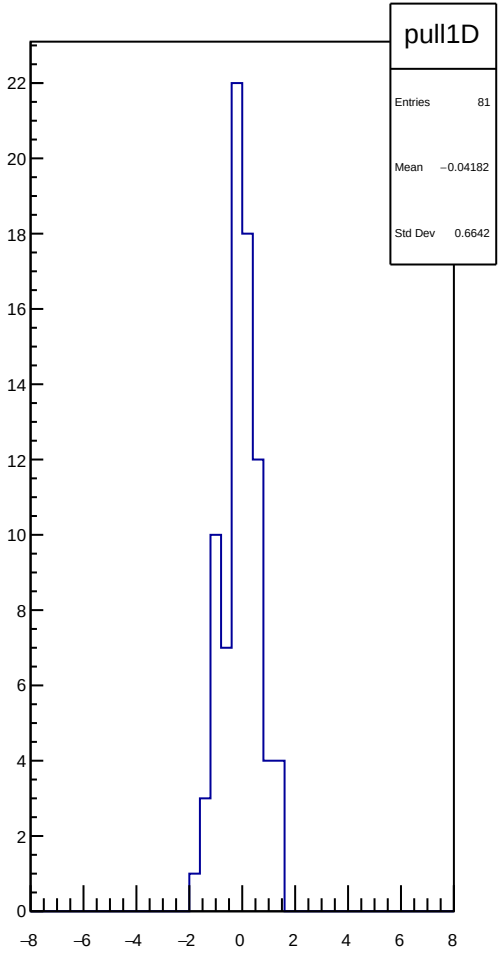

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 266.4 / 80
p0 0.3983 ± 0.01052
pull
Entries 81
Mean 295.8
Std Dev 246.8

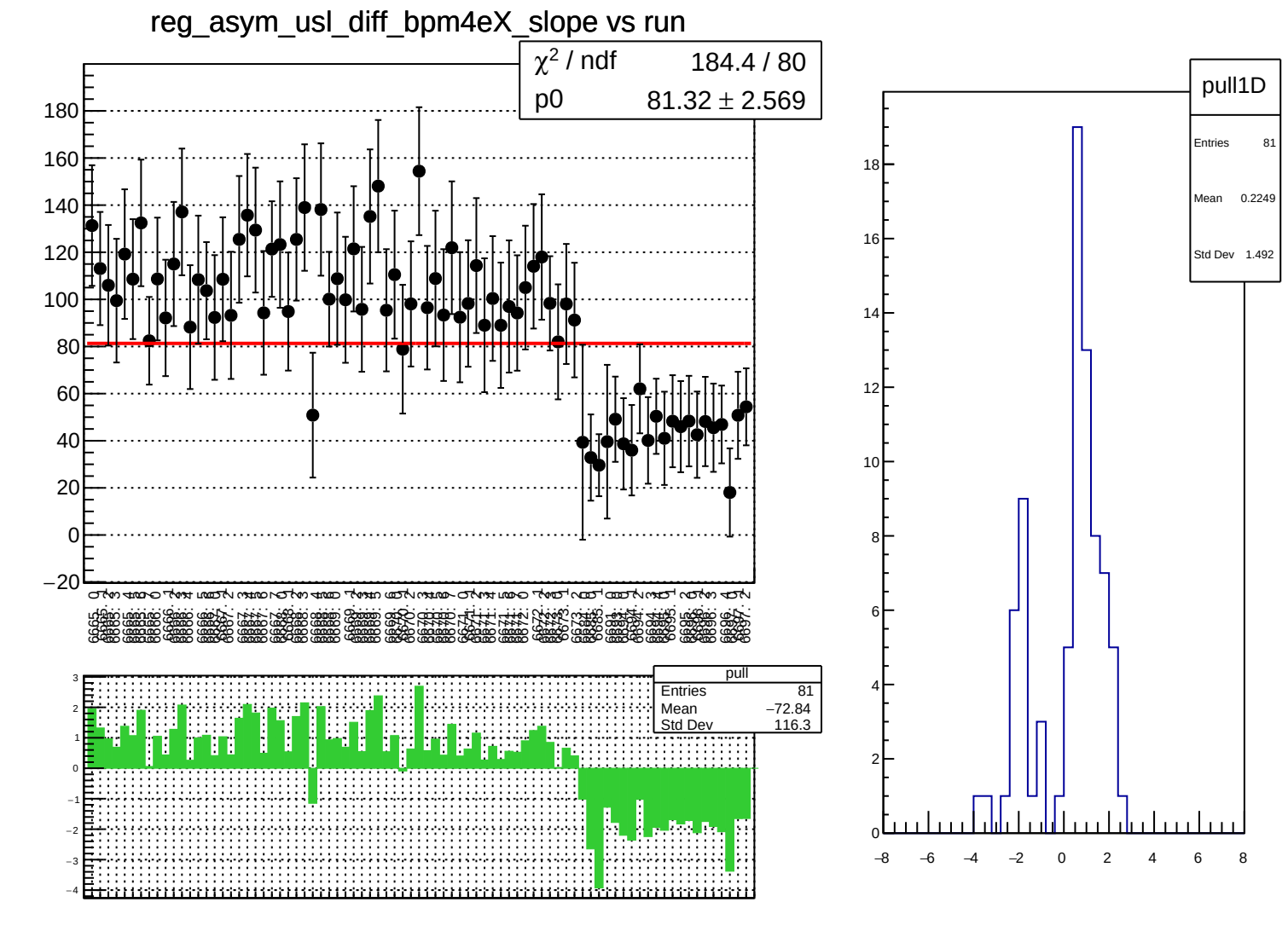

pull1D
Entries 81
Mean −0.1219
Std Dev 1.809

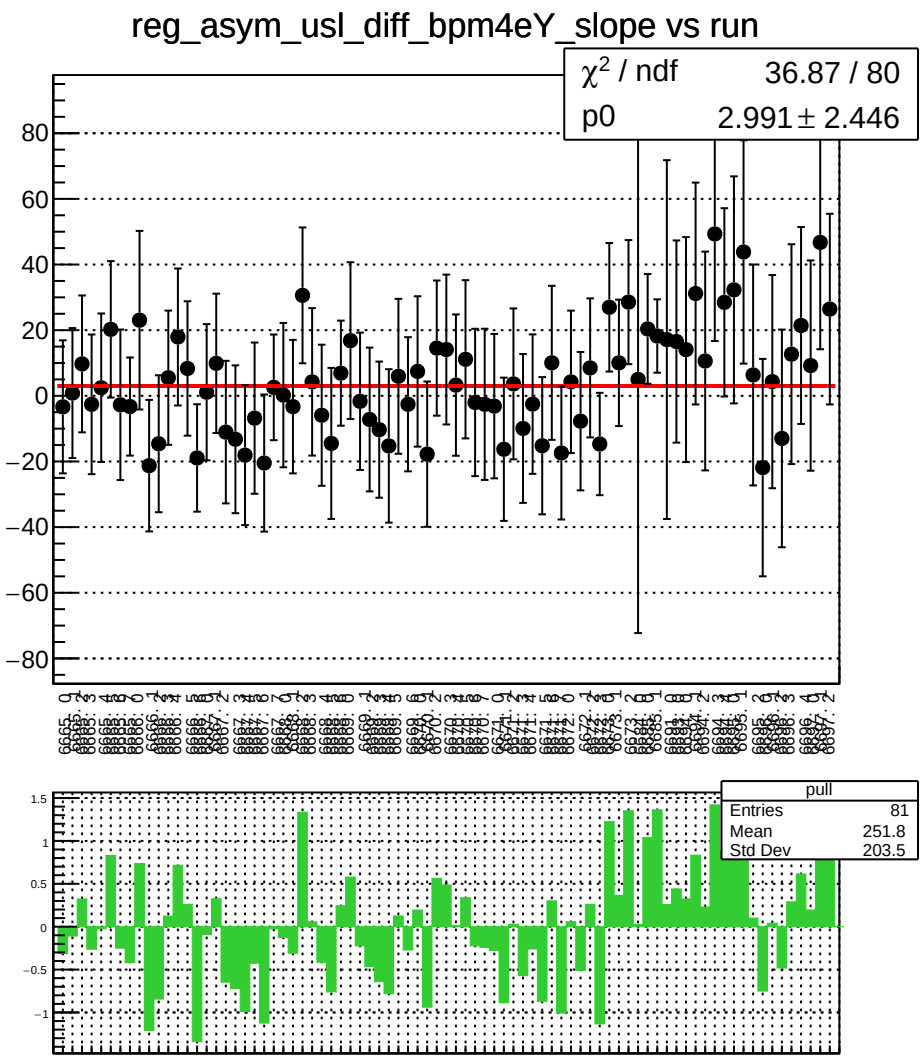

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 93.83 / 80
p0 −132.8 ± 2.476
pull
Entries 81
Mean −139.7
Std Dev 183.5

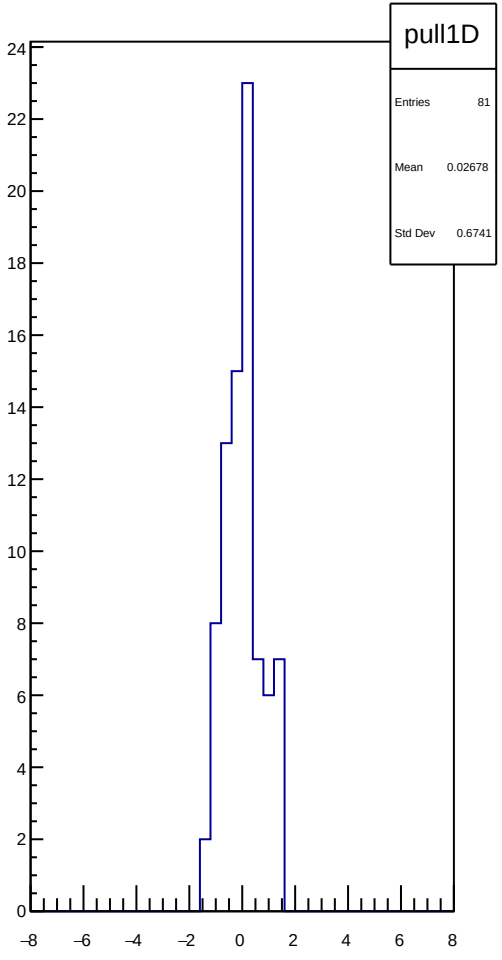

pull1D
Entries 81
Mean −0.09022
Std Dev 1.073

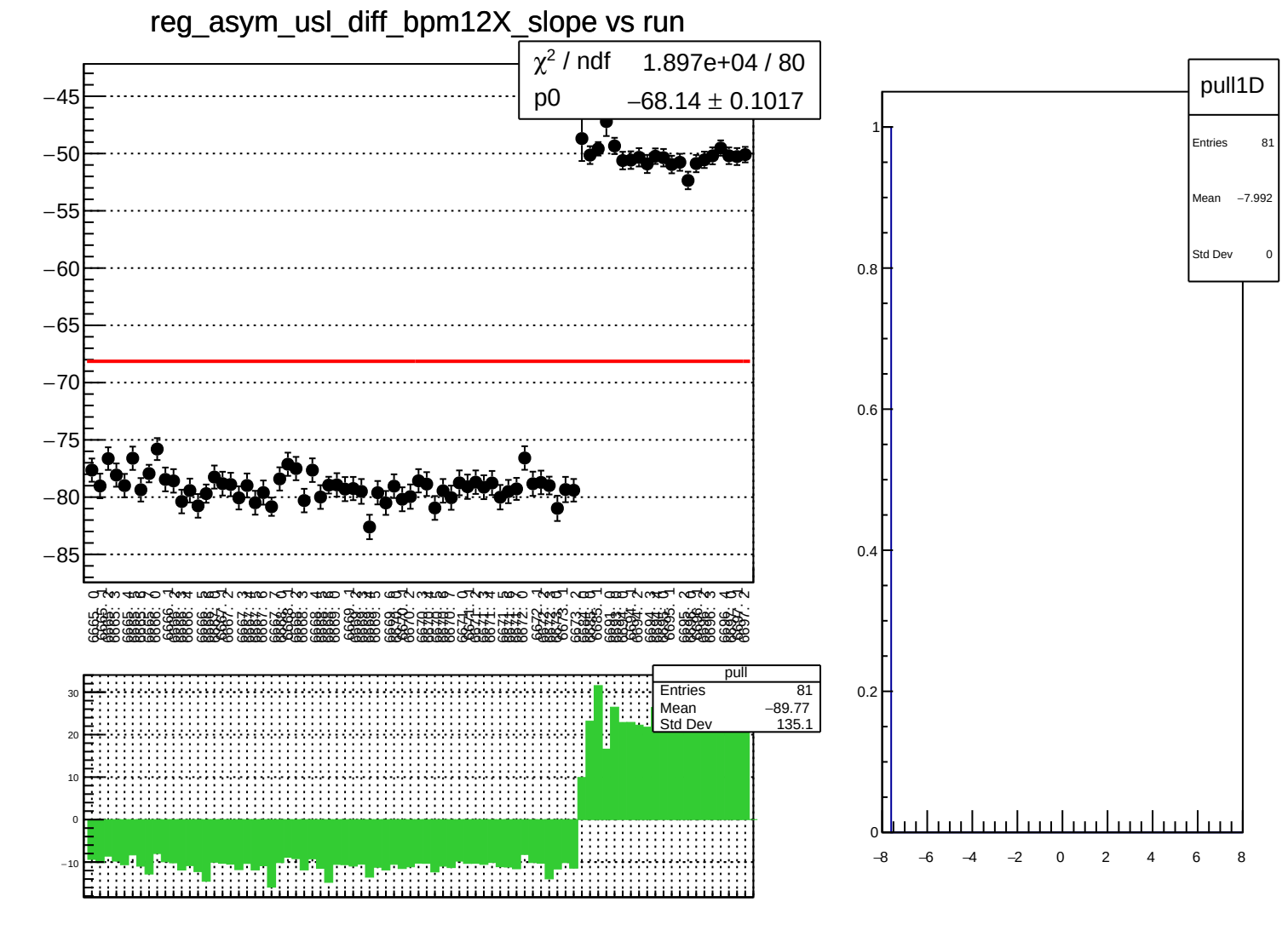

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 35.88 / 80
p0 21.38 ± 2.14
pull
Entries 81
Mean 163.5
Std Dev 113.3

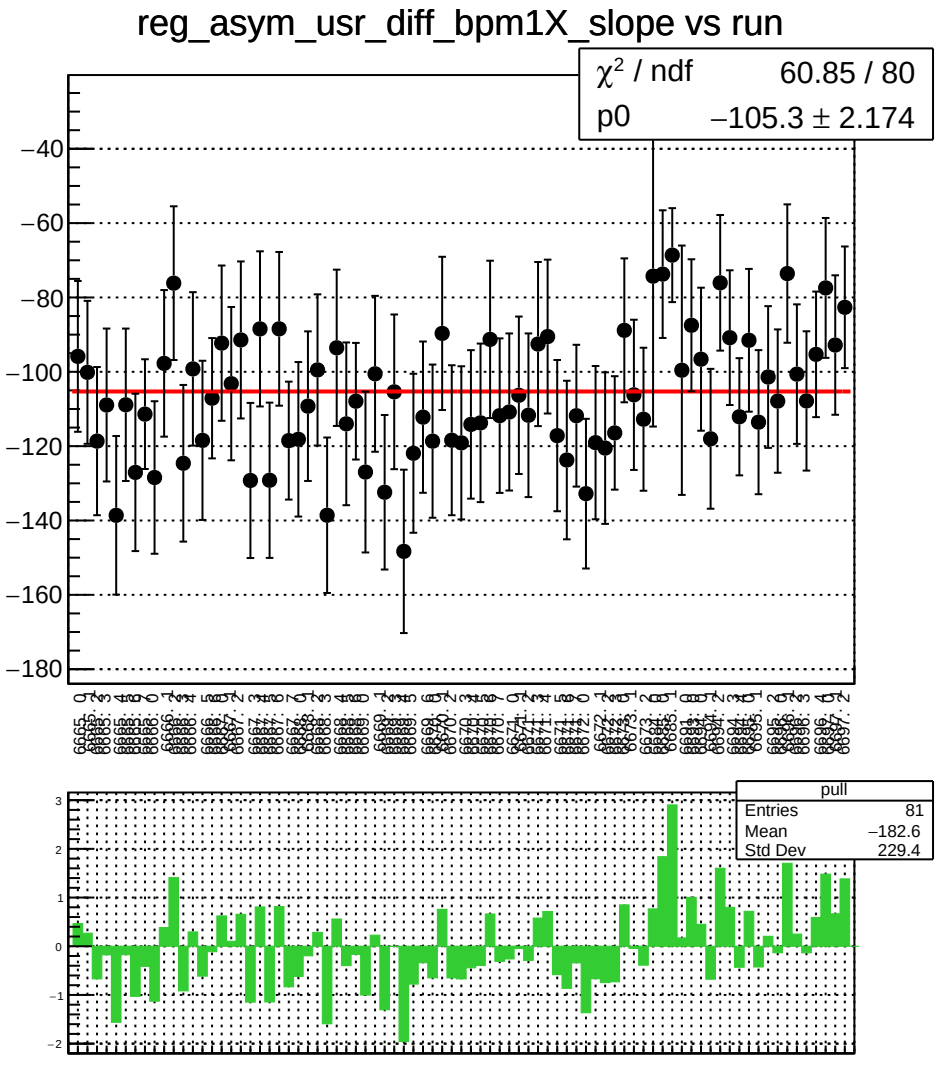

pull1D
Entries 81
Mean −0.04182
Std Dev 0.6642

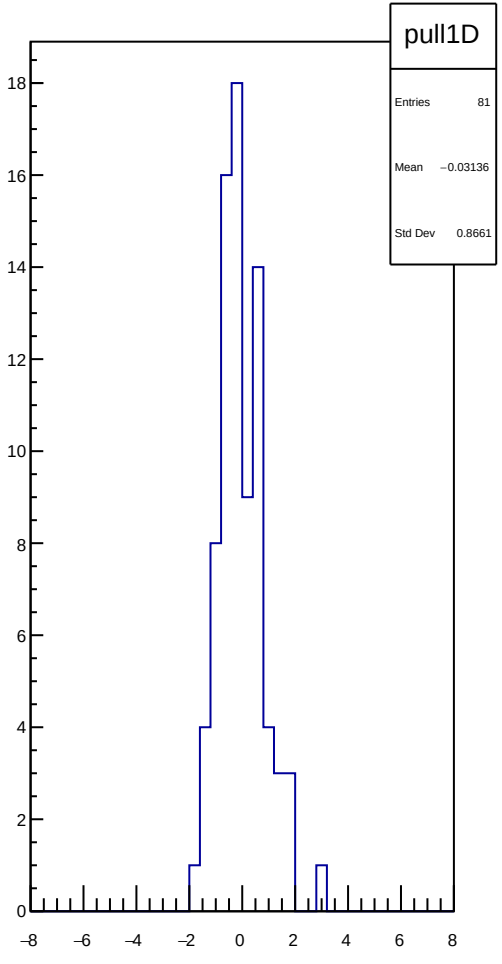

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 184.4 / 80
p0 81.32 ± 2.569
pull
Entries 81
Mean −72.84
Std Dev 116.3
pull1D
Entries 81
Mean 0.2249
Std Dev 1.492

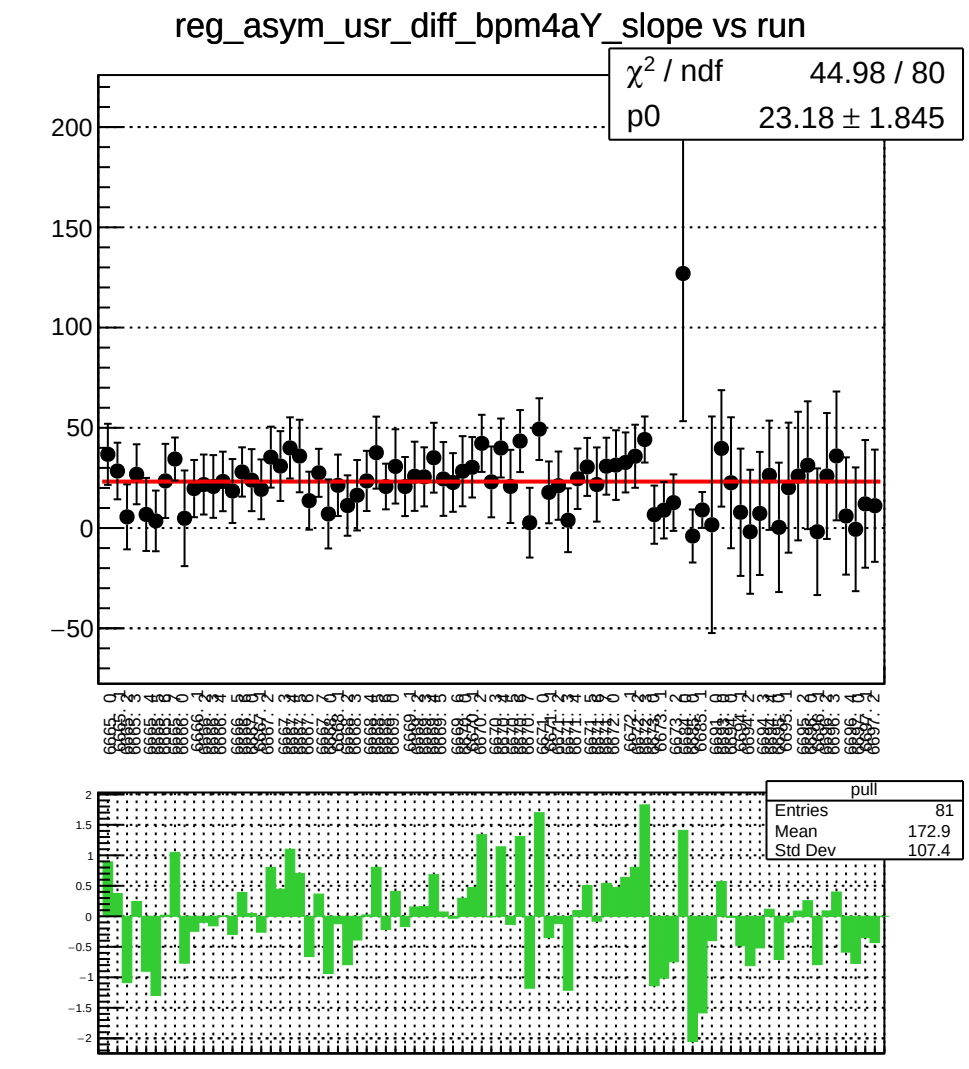

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 36.87 / 80
p0 2.991 ± 2.446
pull
Entries 81
Mean 251.8
Std Dev 203.5

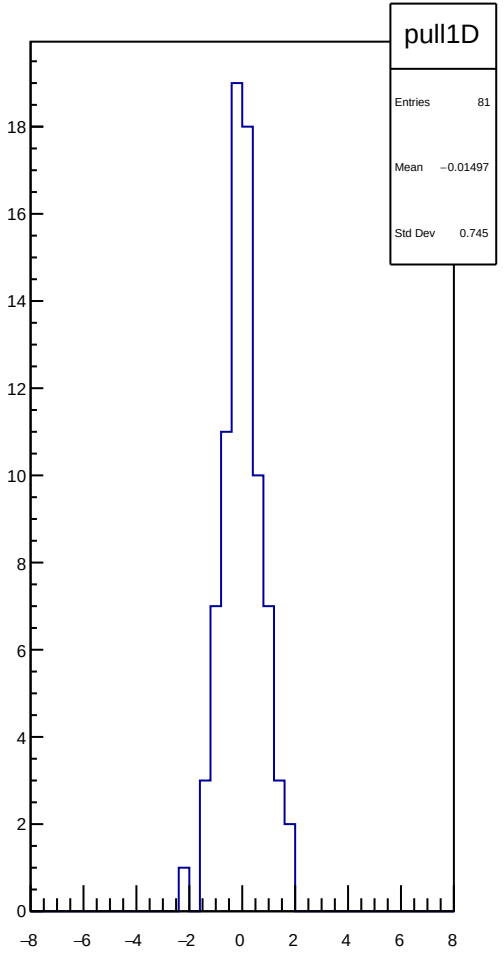

pull1D
Entries 81
Mean 0.02678
Std Dev 0.6741

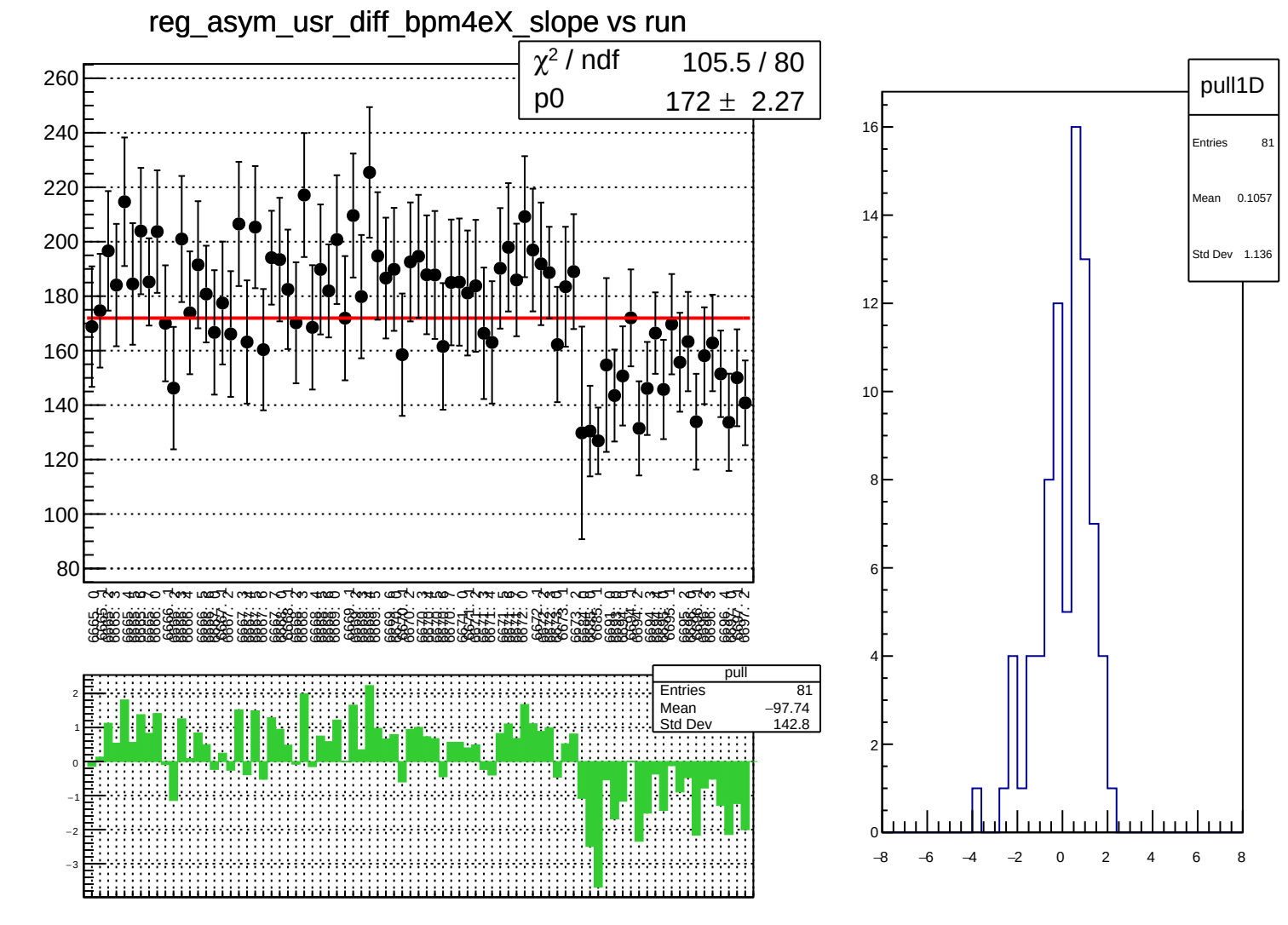

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 1.897e+04 / 80
p0 −68.14 ± 0.1017
pull
Entries 81
Mean −89.77
Std Dev 135.1
pull1D
Entries 81
Mean −7.992
Std Dev 0

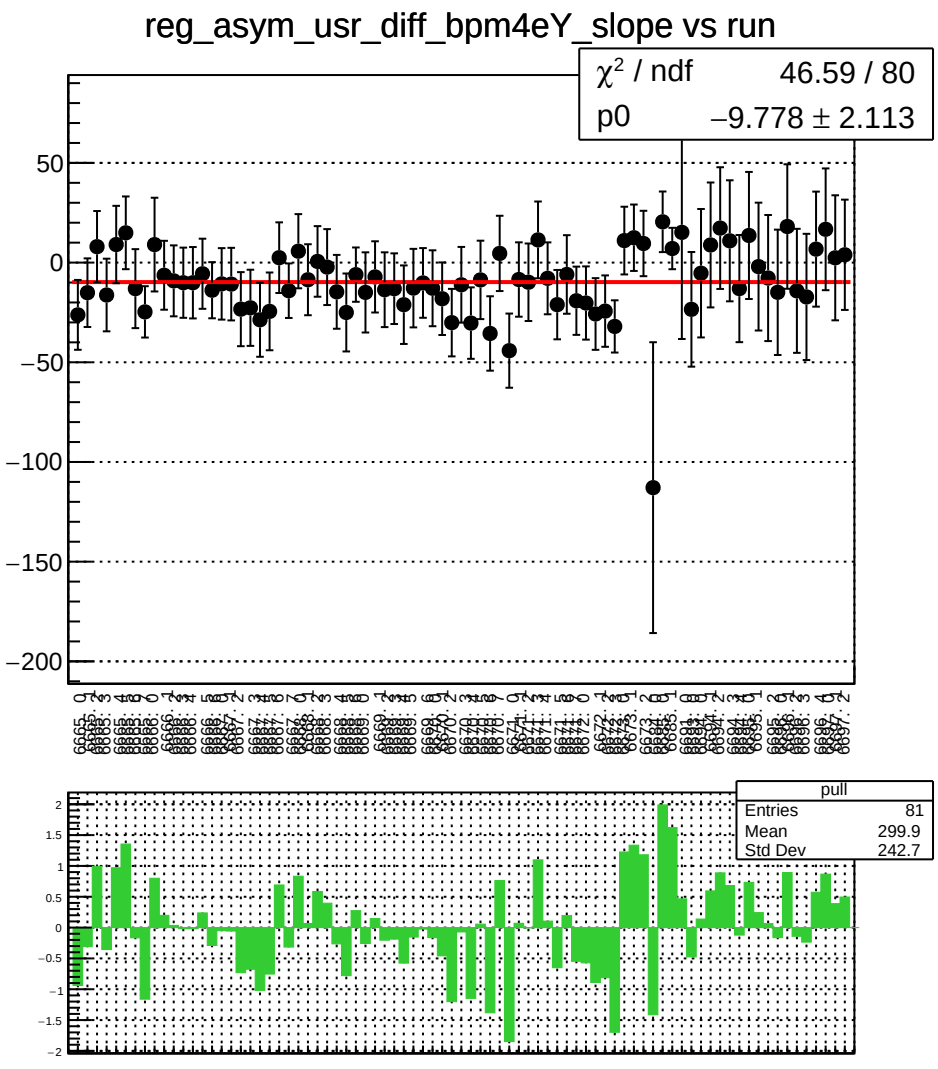

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 60.85 / 80
p0 −105.3 ± 2.174
pull
Entries 81
Mean −182.6
Std Dev 229.4

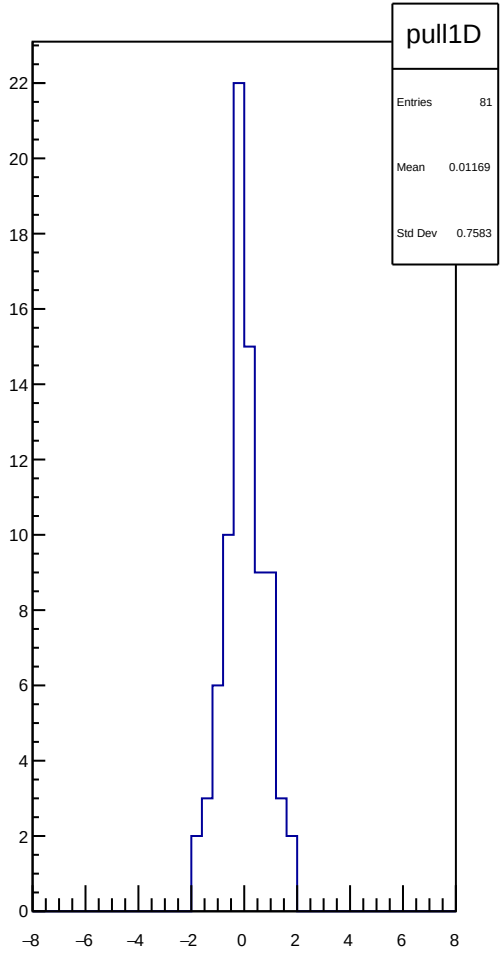

pull1D
Entries 81
Mean −0.03136
Std Dev 0.8661

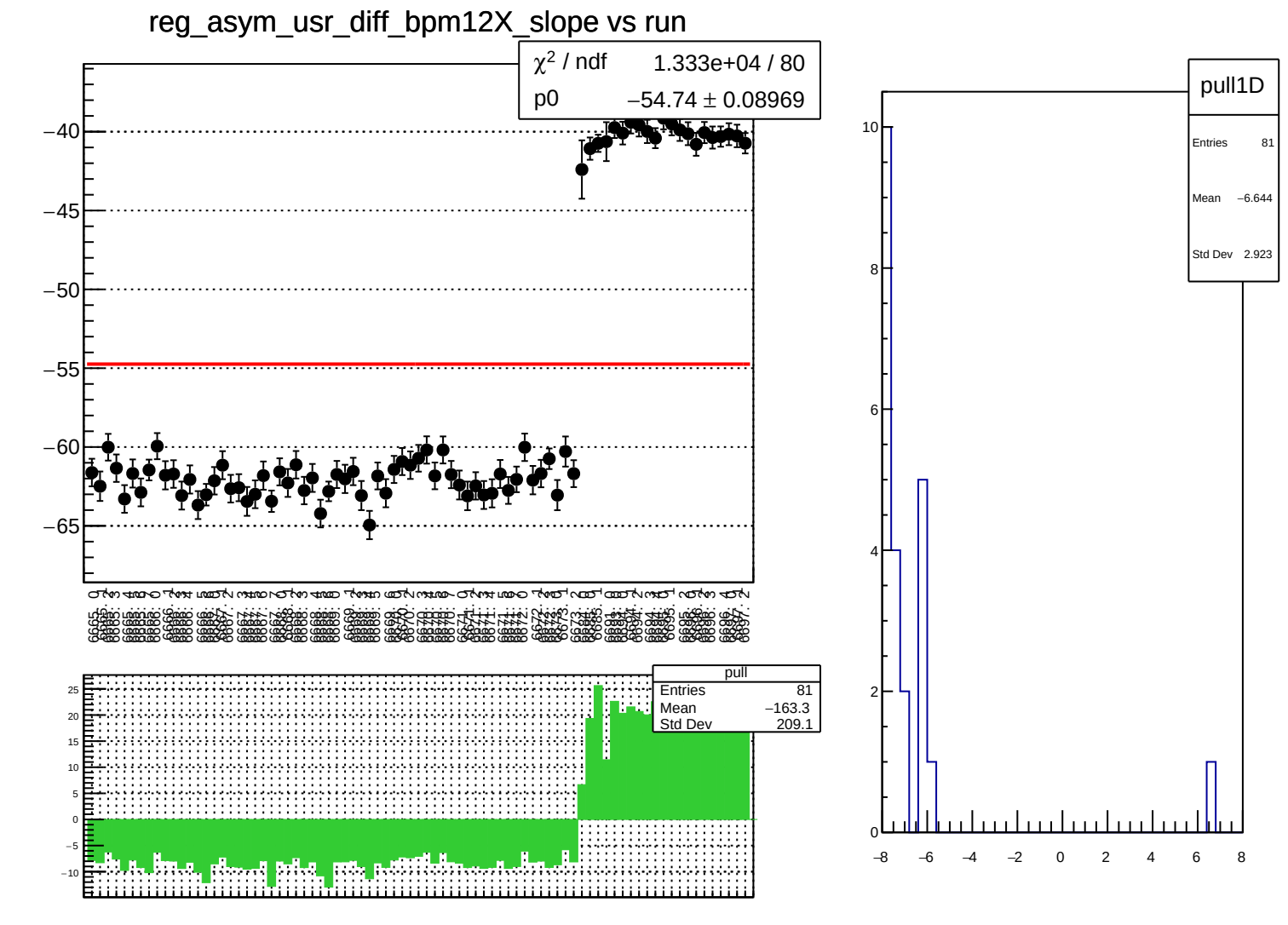

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 44.98 / 80
p0 23.18 ± 1.845
pull
Entries 81
Mean 172.9
Std Dev 107.4

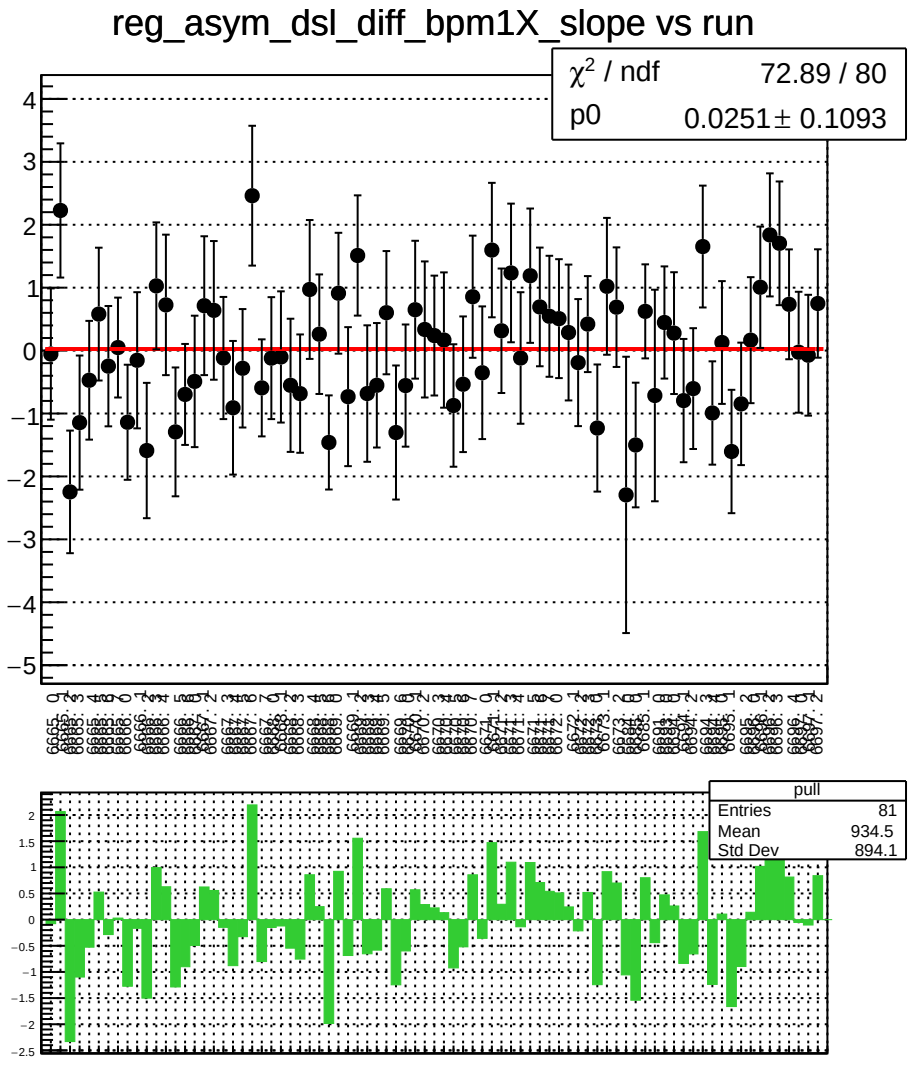

pull1D
Entries 81
Mean −0.01497
Std Dev 0.745

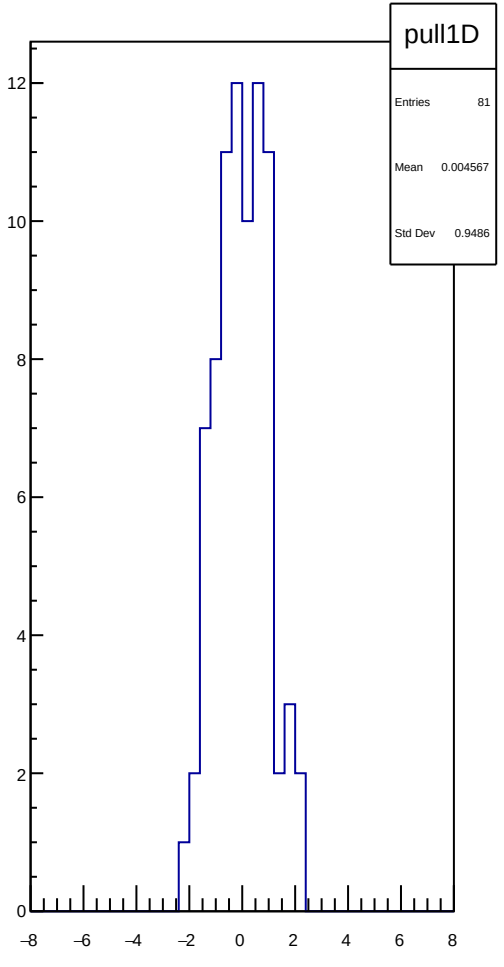

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 105.5 / 80
p0 172 ± 2.27
pull
Entries 81
Mean −97.74
Std Dev 142.8
pull1D
Entries 81
Mean 0.1057
Std Dev 1.136

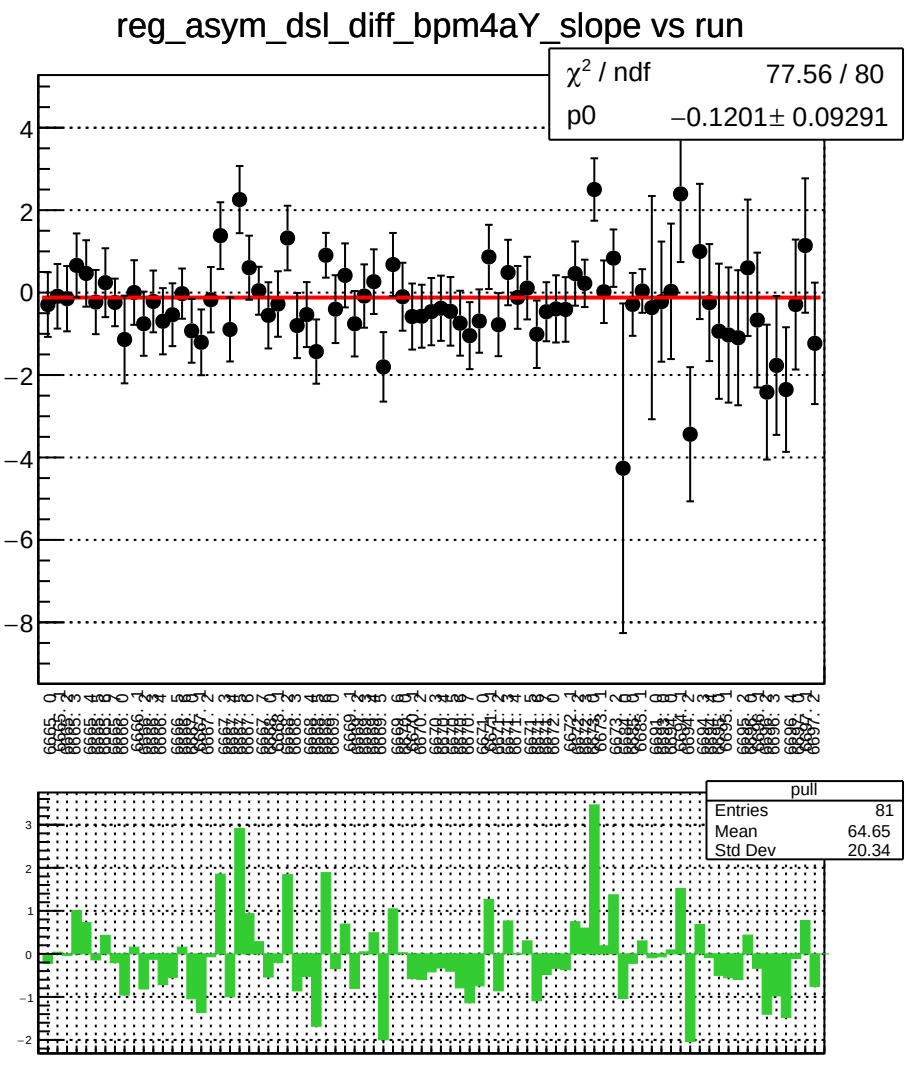

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 46.59 / 80
p0 −9.778 ± 2.113
50
0
−50
−100
−150
−200
pull
Entries 81
Mean 299.9
Std Dev 242.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

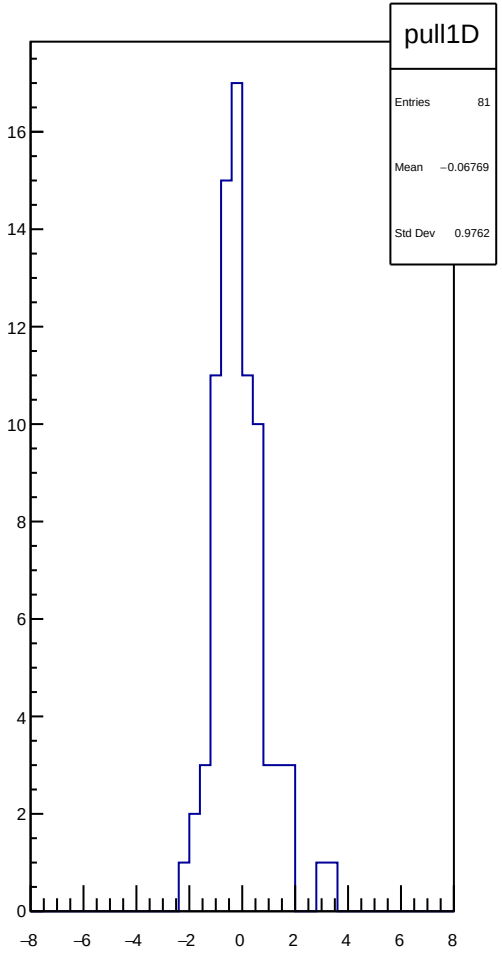

pull1D
Entries 81
Mean 0.01169
Std Dev 0.7583
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

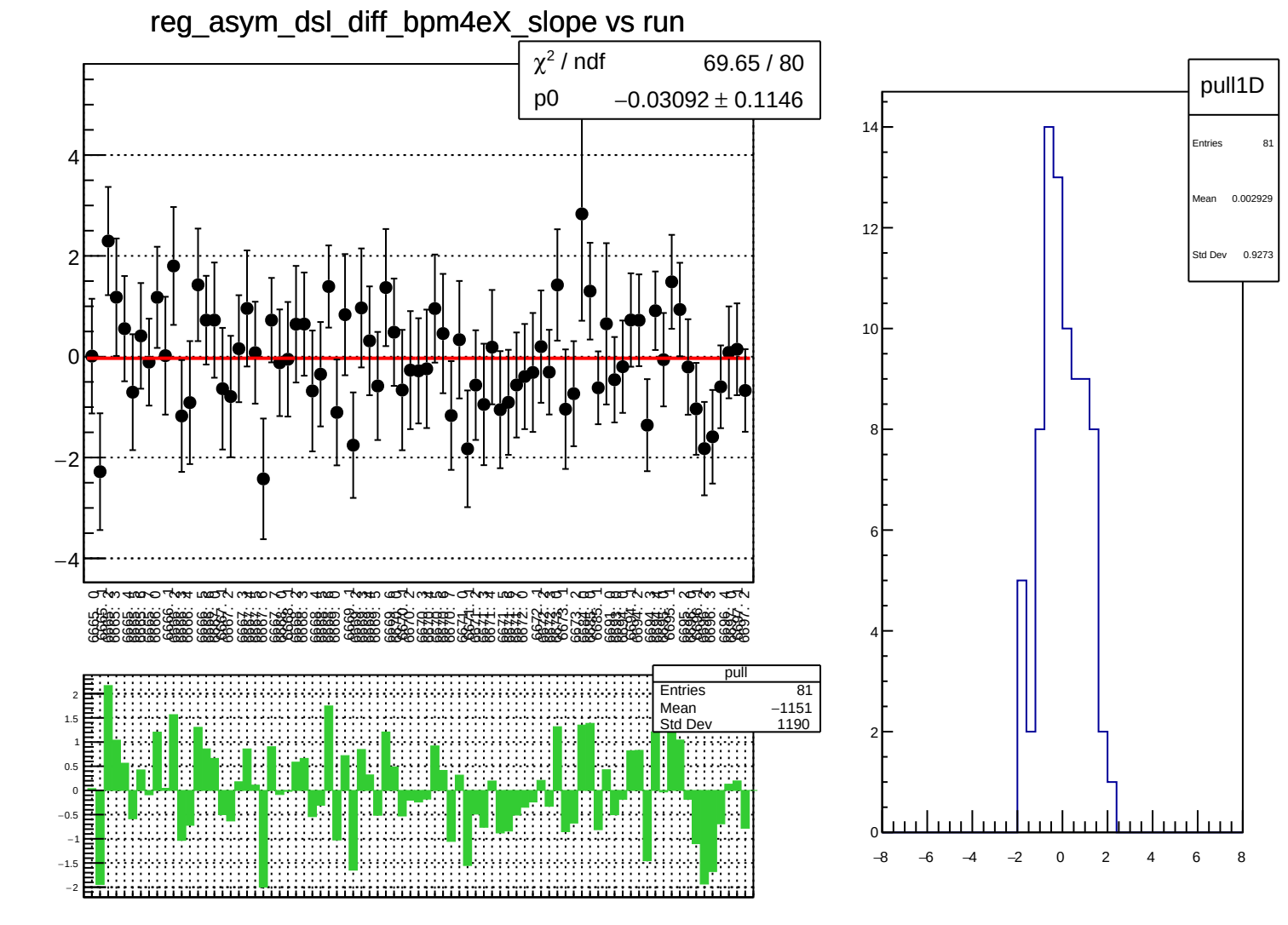

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 1.333e+04 / 80
p0 −54.74 ± 0.08969
−40
−45
−50
−55
−60
−65
pull
Entries 81
Mean −163.3
Std Dev 209.1
25
20
15
10
5
0
−5
−10
pull1D
Entries 81
Mean −6.644
Std Dev 2.923
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

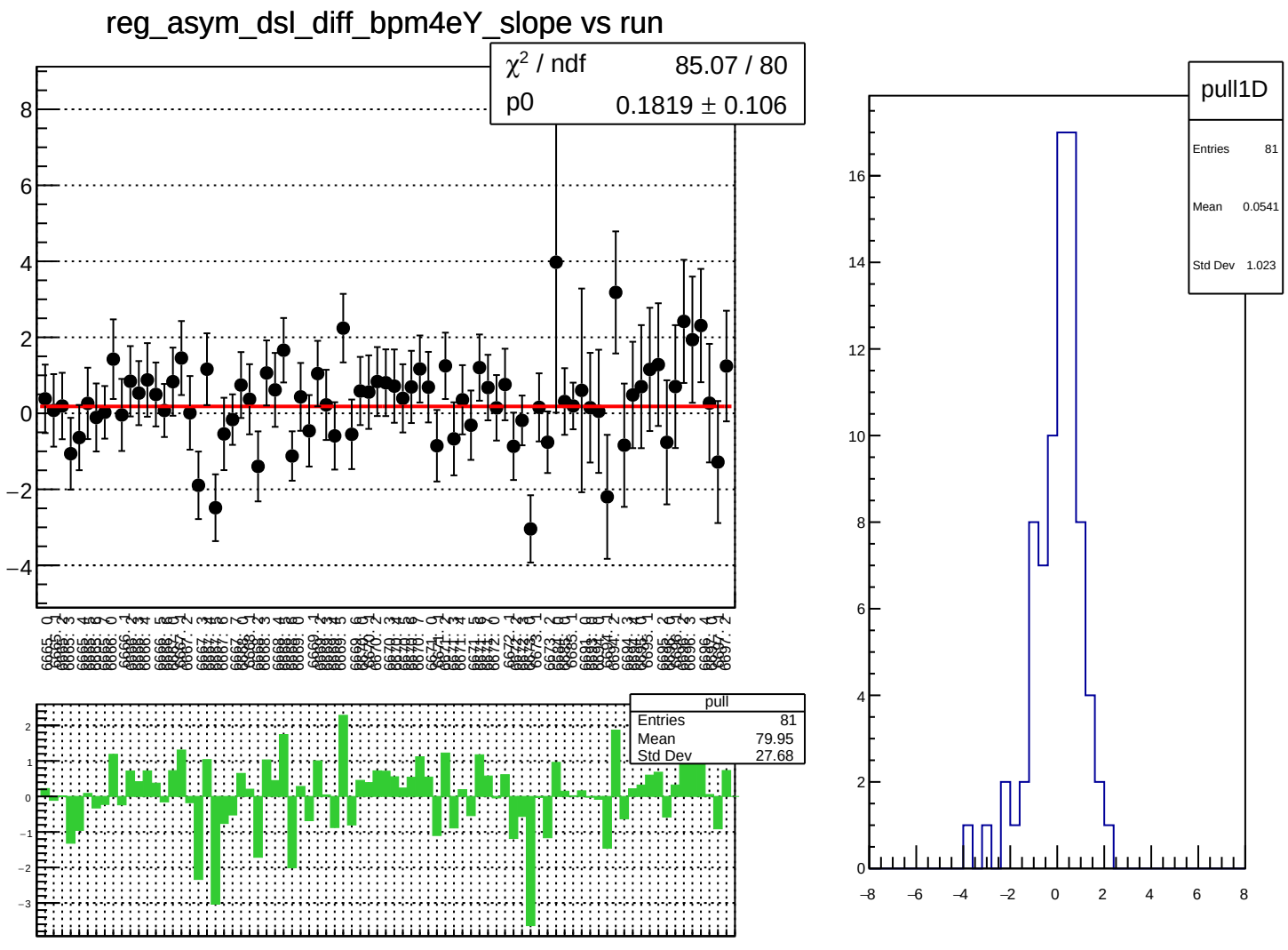

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 72.89 / 80
p0 0.0251 ± 0.1093
pull
Entries 81
Mean 934.5
Std Dev 894.1

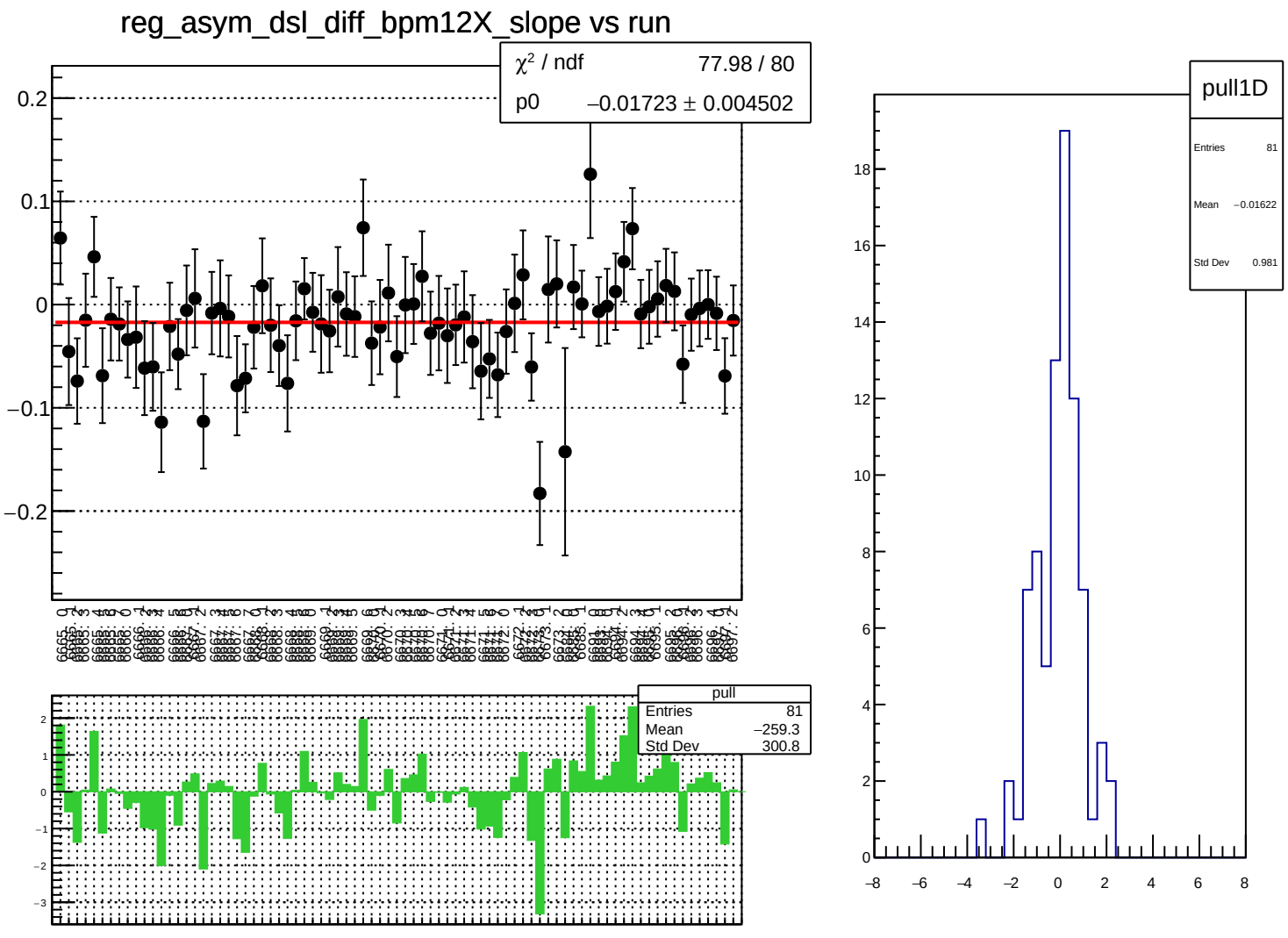

pull1D
Entries 81
Mean 0.004567
Std Dev 0.9486

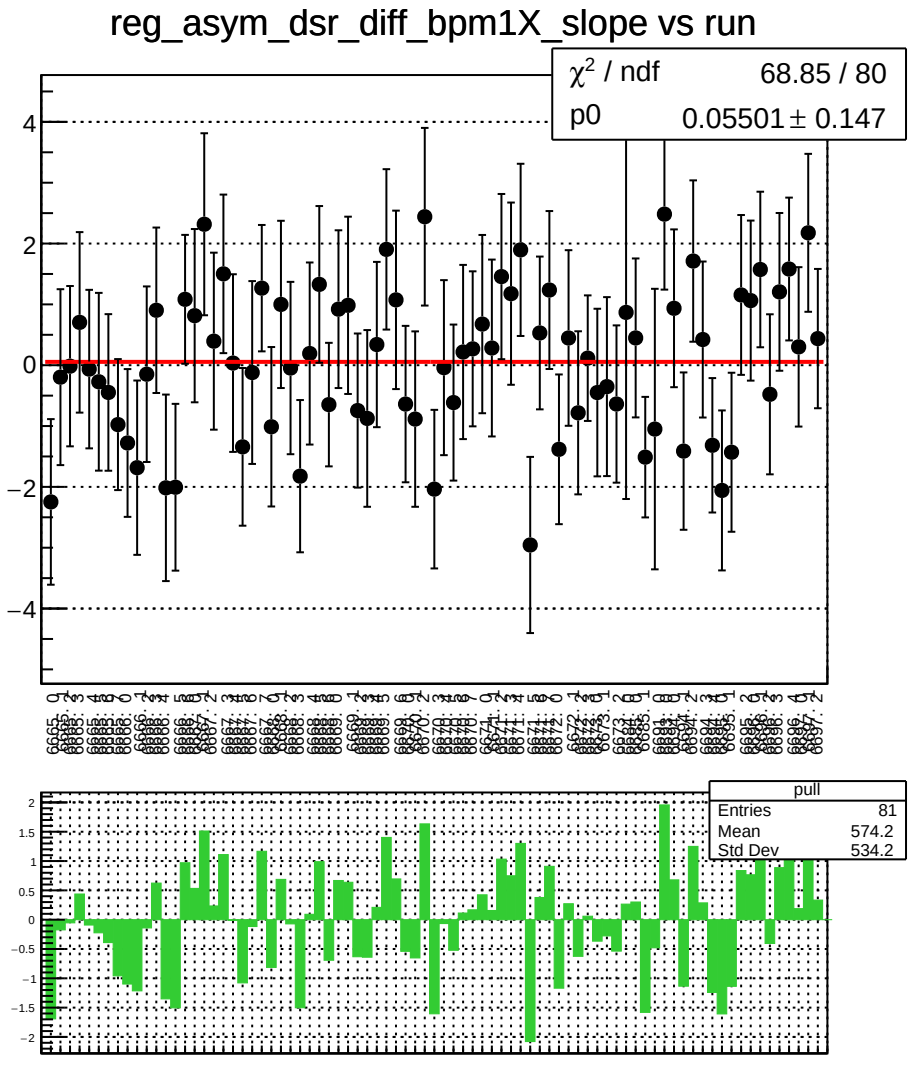

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 77.56 / 80
p0 −0.1201± 0.09291
pull
Entries 81
Mean 64.65
Std Dev 20.34

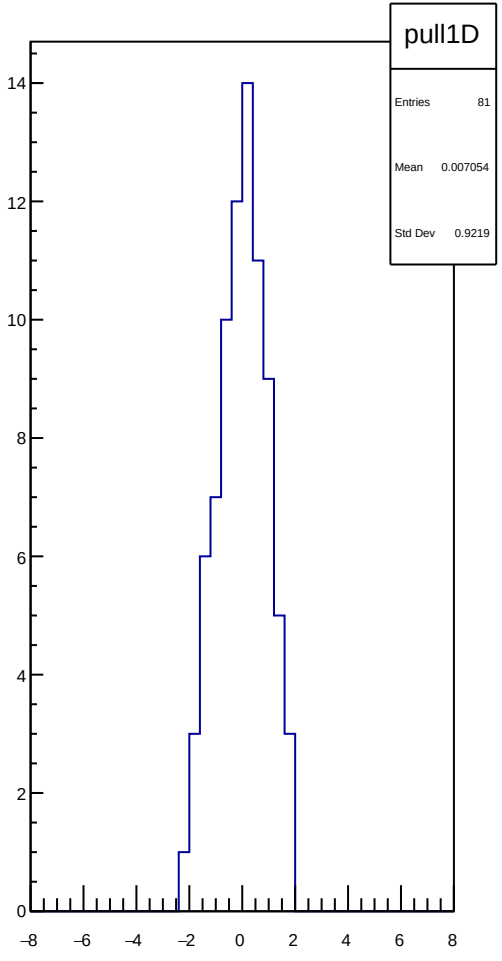

pull1D
Entries 81
Mean −0.06769
Std Dev 0.9762

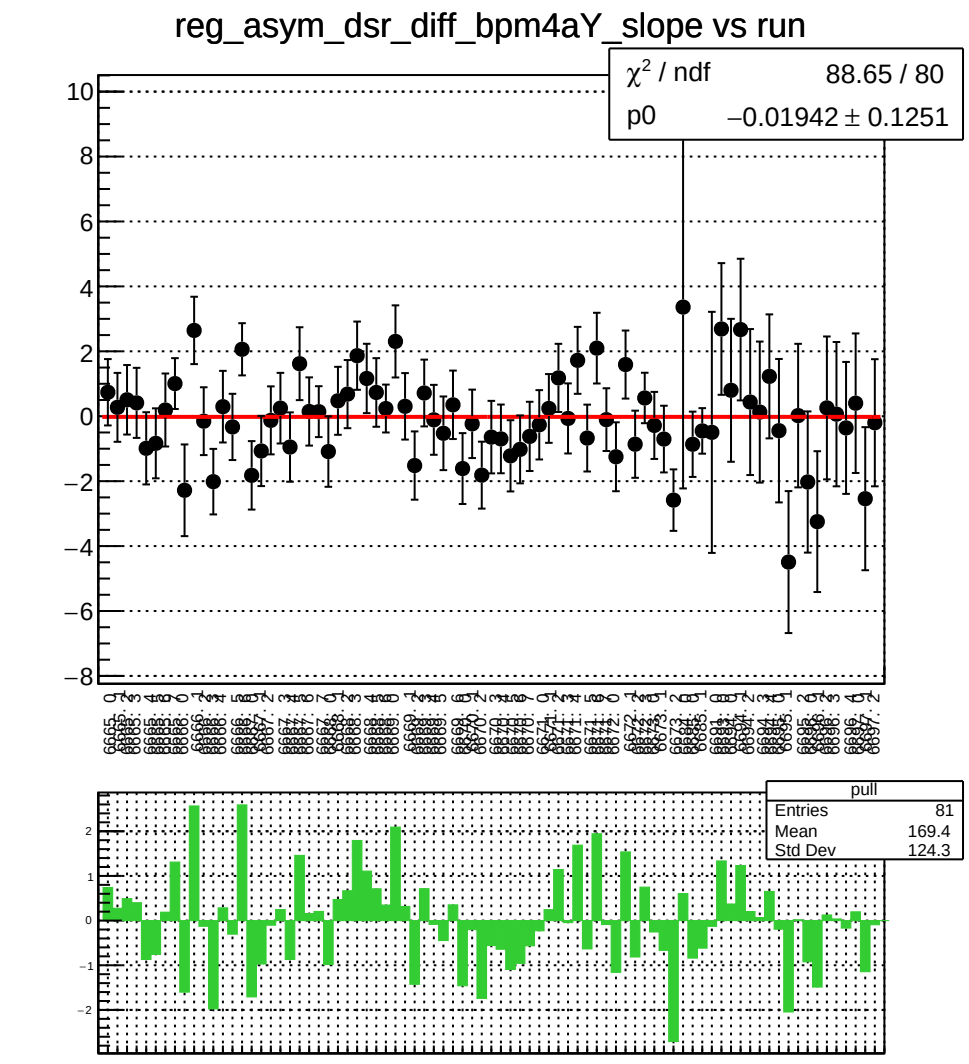

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 69.65 / 80
p0 −0.03092 ± 0.1146
pull
Entries 81
Mean −1151
Std Dev 1190
pull1D
Entries 81
Mean 0.002929
Std Dev 0.9273

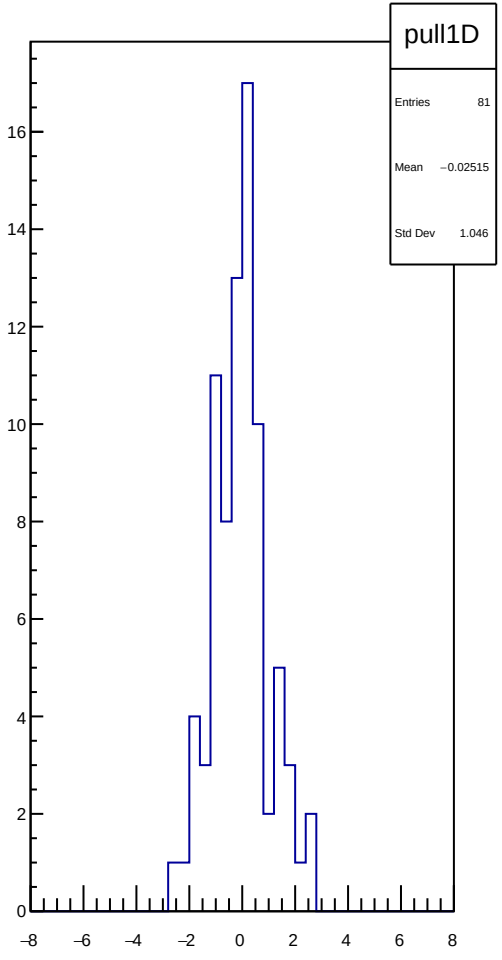

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 85.07 / 80
p0 0.1819 ± 0.106
pull
Entries 81
Mean 79.95
Std Dev 27.68
pull1D
Entries 81
Mean 0.0541
Std Dev 1.023

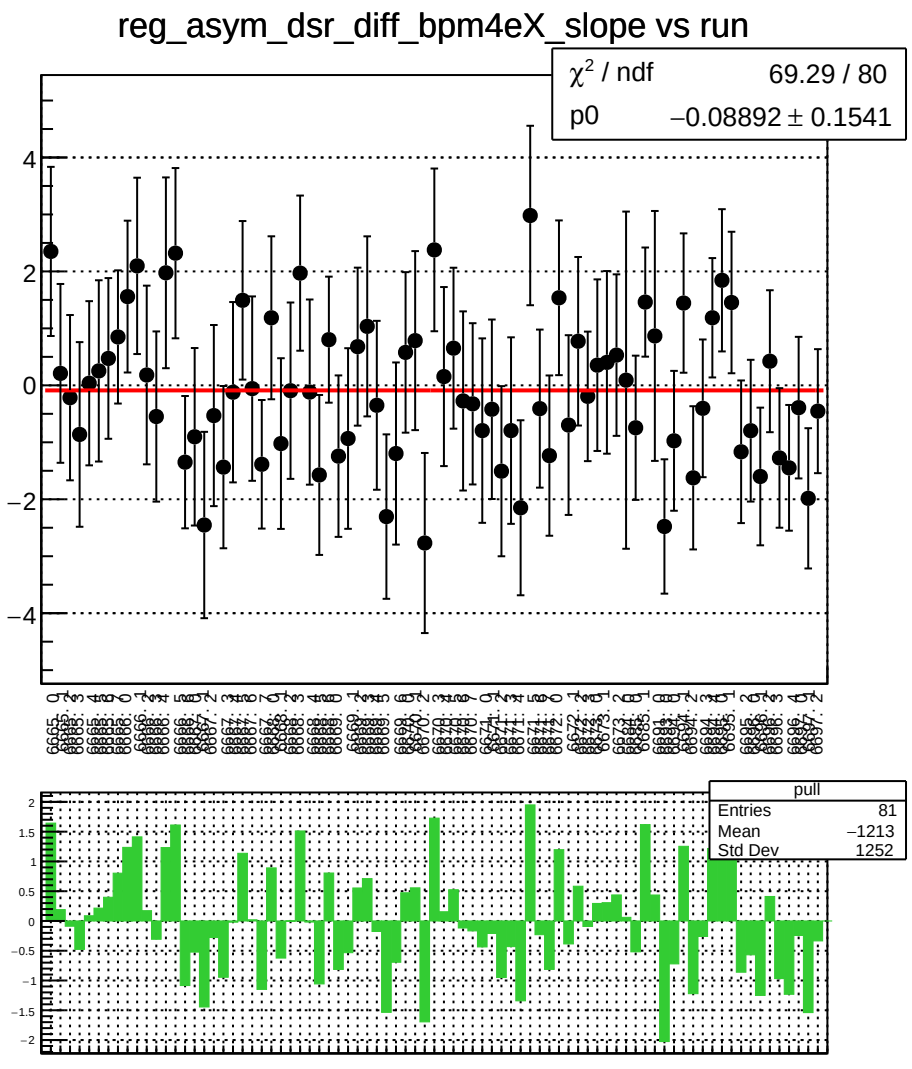

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 77.98 / 80
p0 −0.01723 ± 0.004502
0.2
0.1
0
−0.1
−0.2
pull
Entries 81
Mean −259.3
Std Dev 300.8
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.01622
Std Dev 0.981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

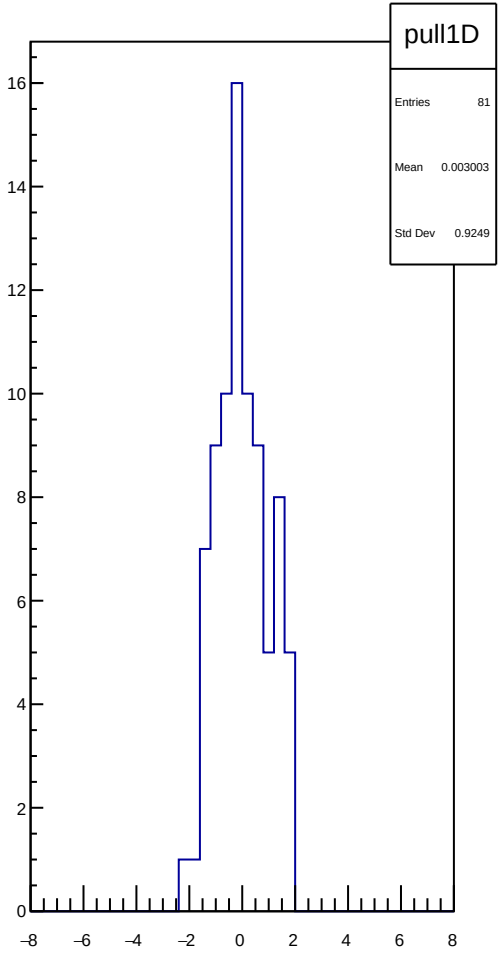

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 68.85 / 80
p0 0.05501 ± 0.147
pull
Entries 81
Mean 574.2
Std Dev 534.2

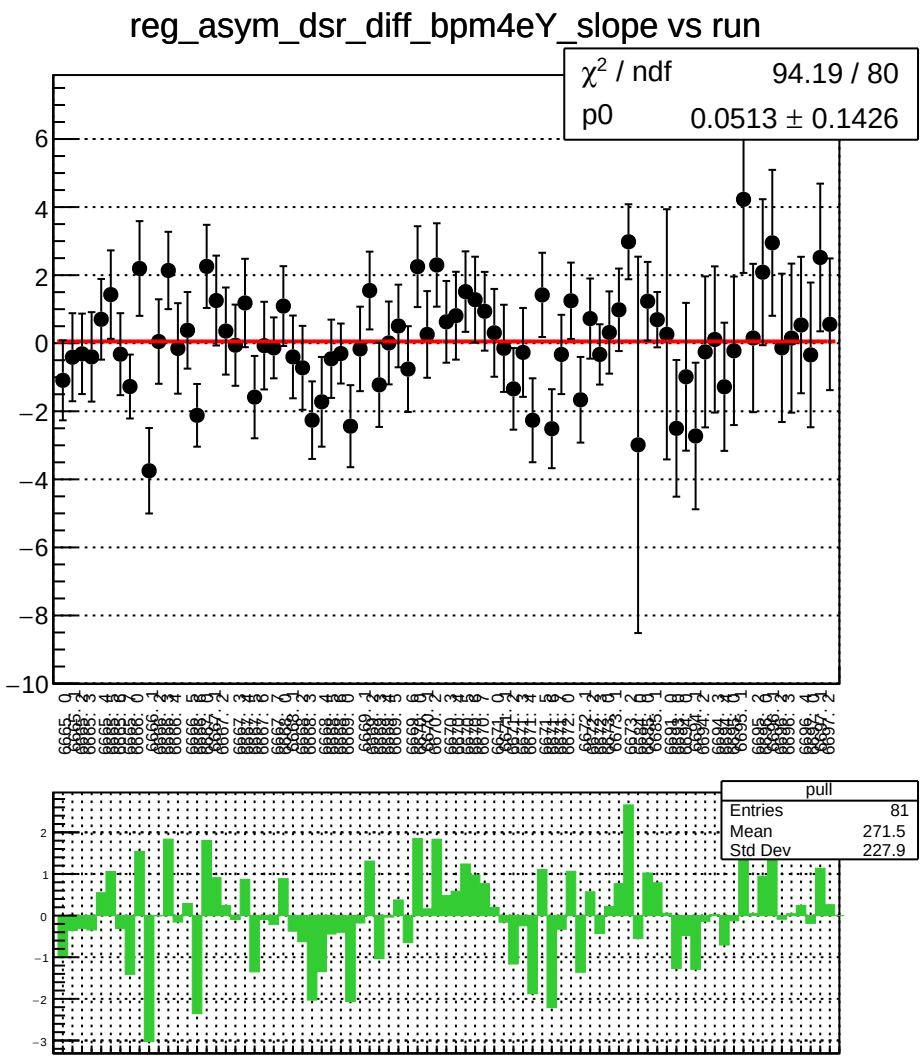

pull1D
Entries 81
Mean 0.007054
Std Dev 0.9219

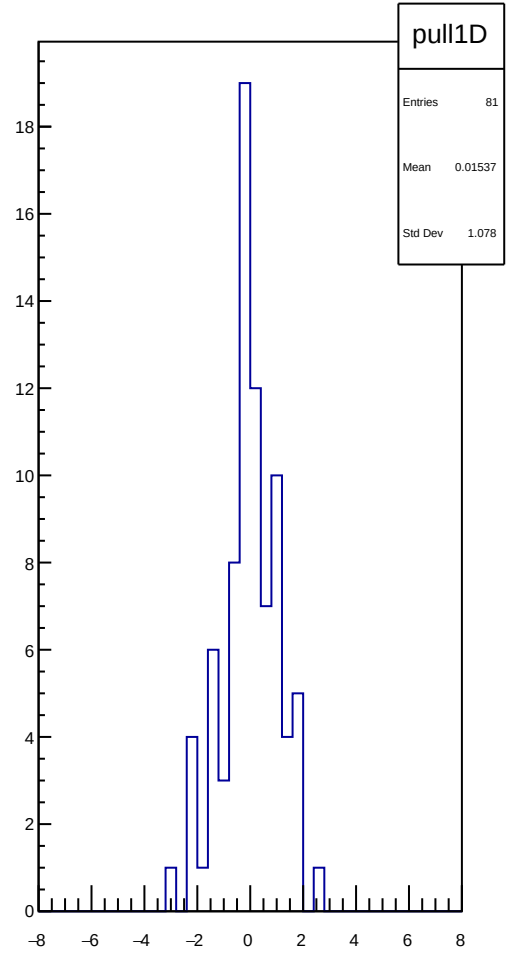

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 88.65 / 80
p0 −0.01942 ± 0.1251
pull
Entries 81
Mean 169.4
Std Dev 124.3

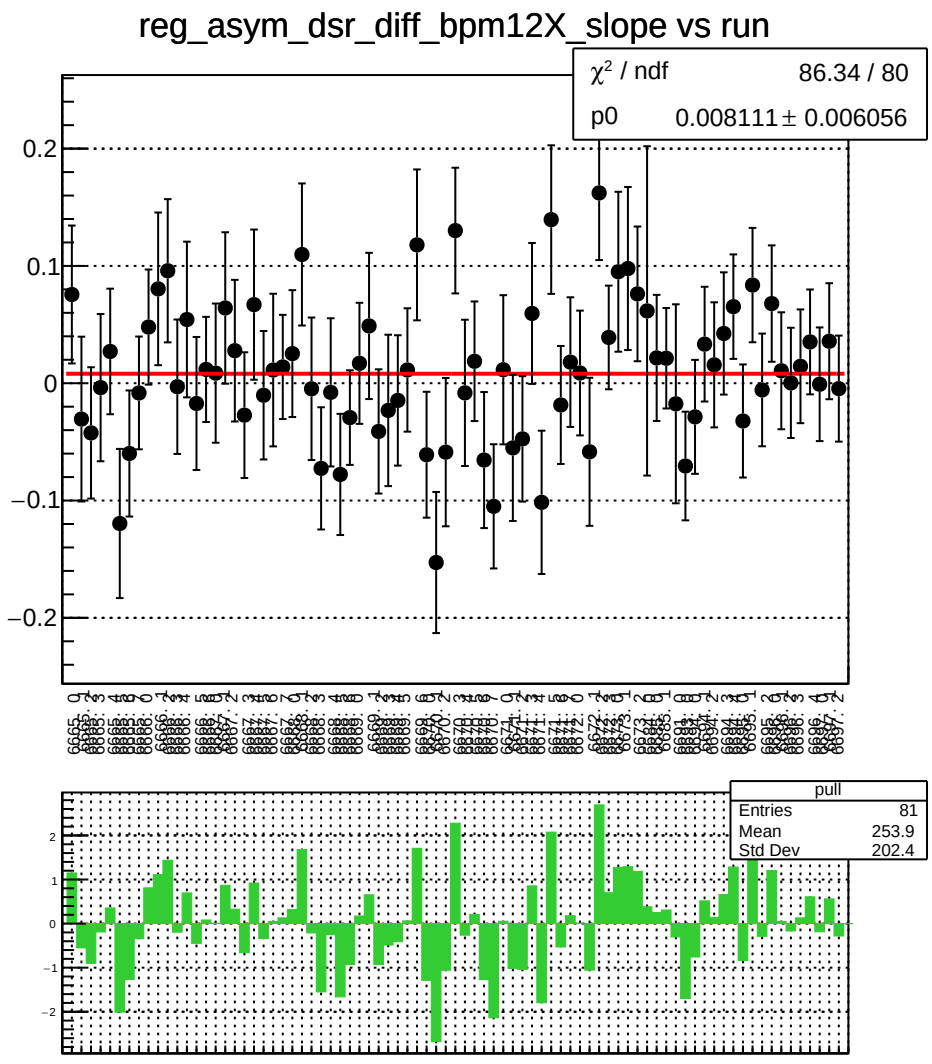

pull1D
Entries 81
Mean −0.02515
Std Dev 1.046

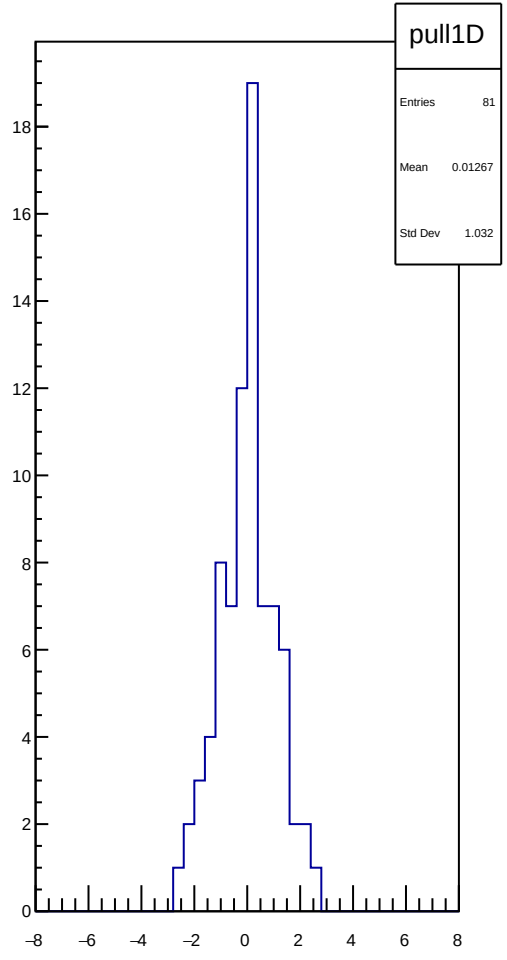

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 69.29 / 80
p0 −0.08892 ± 0.1541
pull
Entries 81
Mean −1213
Std Dev 1252

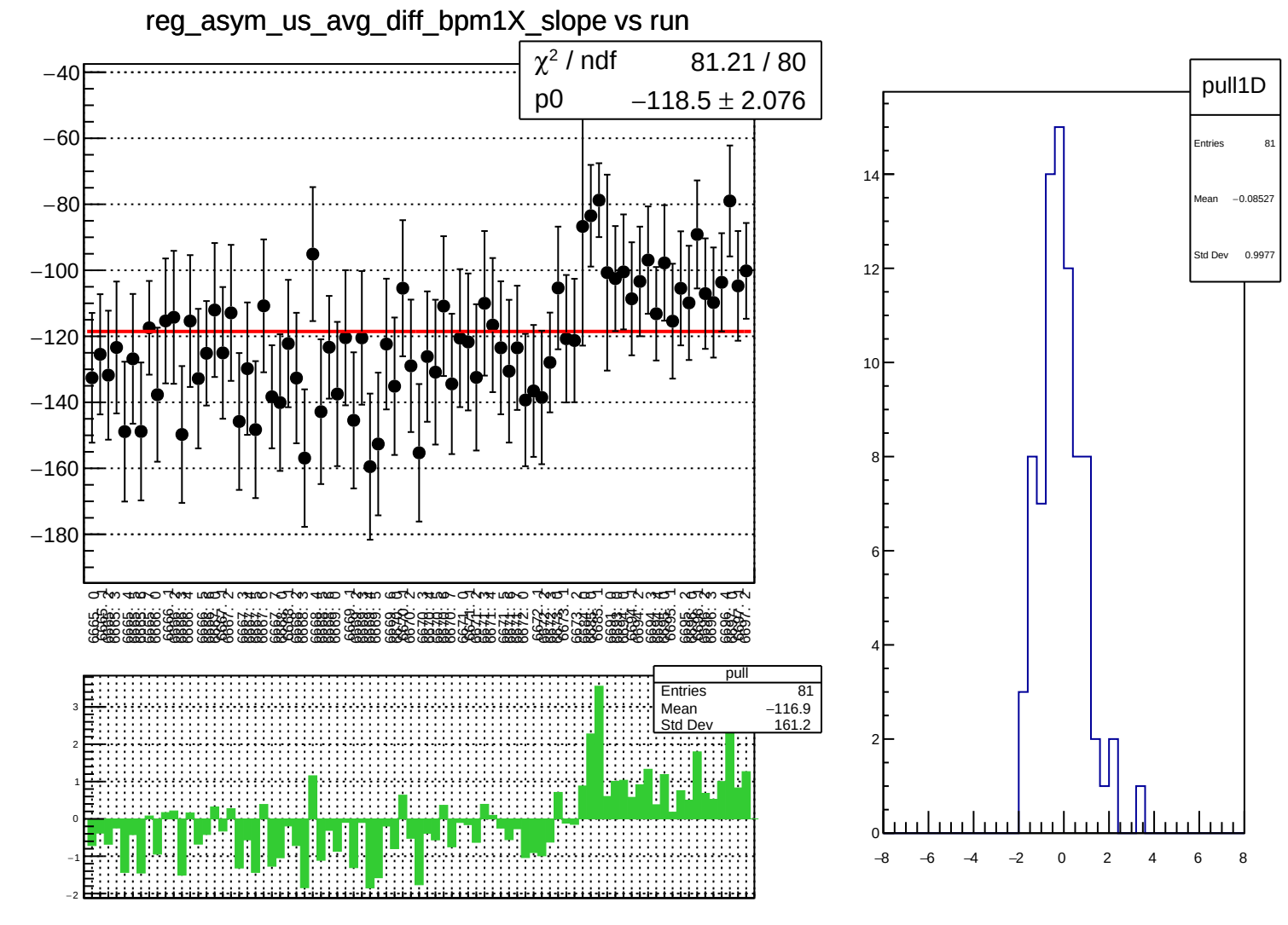

pull1D
Entries 81
Mean 0.003003
Std Dev 0.9249

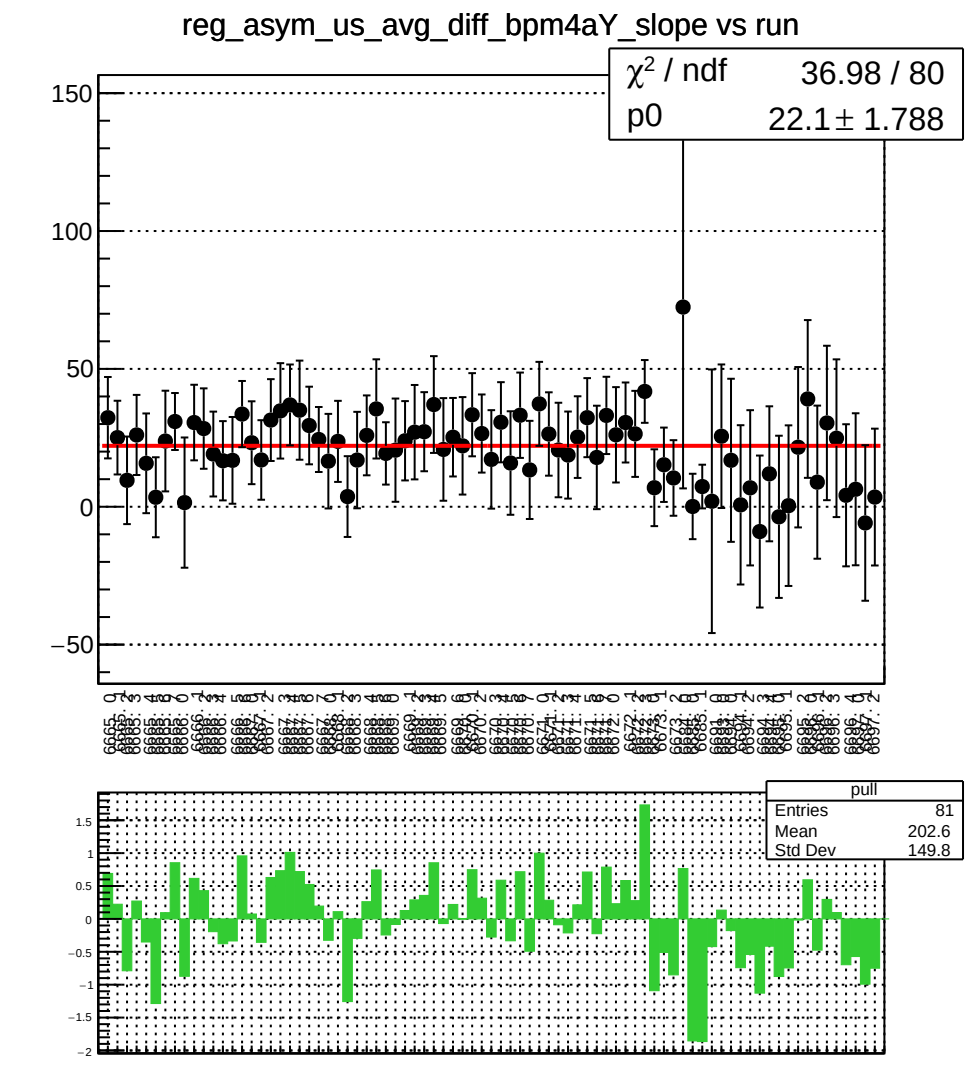

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 94.19 / 80
p0 0.0513 ± 0.1426
pull
Entries 81
Mean 271.5
Std Dev 227.9

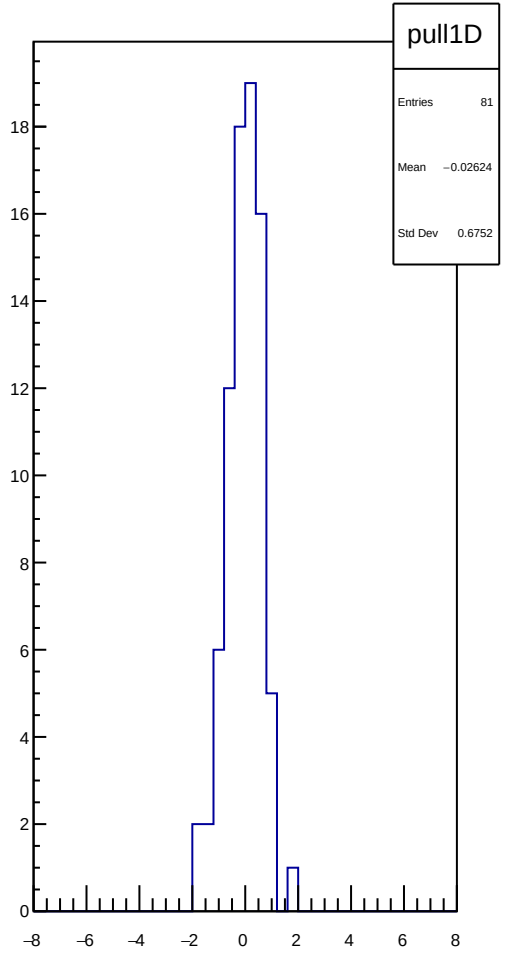

pull1D
Entries 81
Mean 0.01537
Std Dev 1.078

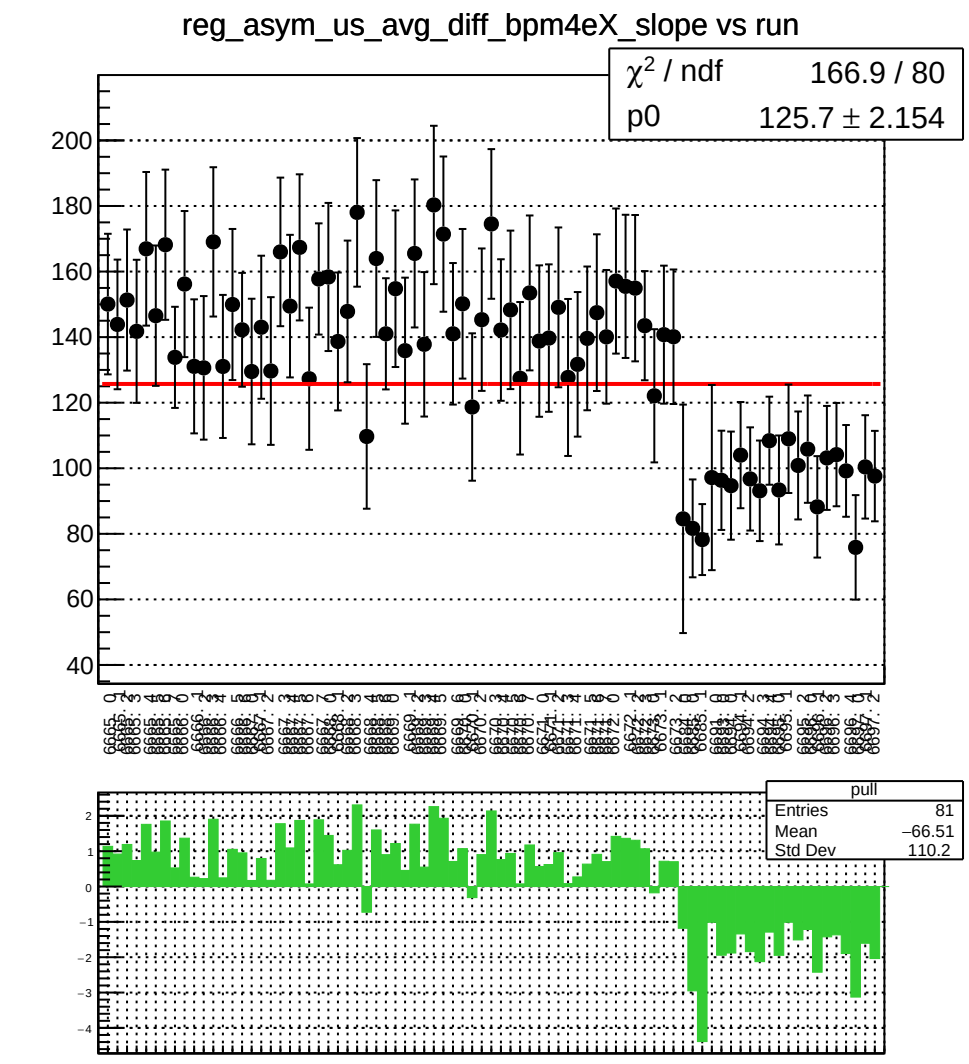

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 86.34 / 80
p0 0.008111 ± 0.006056
pull
Entries 81
Mean 253.9
Std Dev 202.4

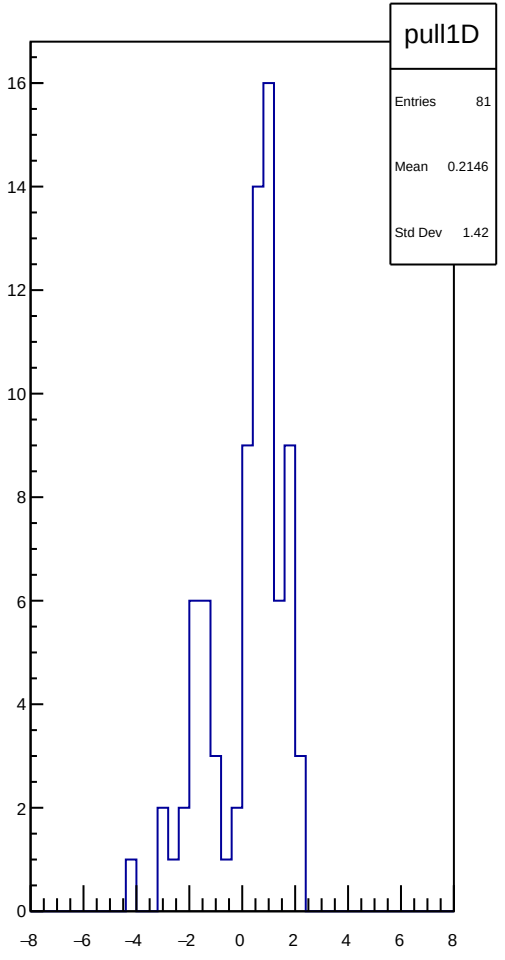

pull1D
Entries 81
Mean 0.01267
Std Dev 1.032

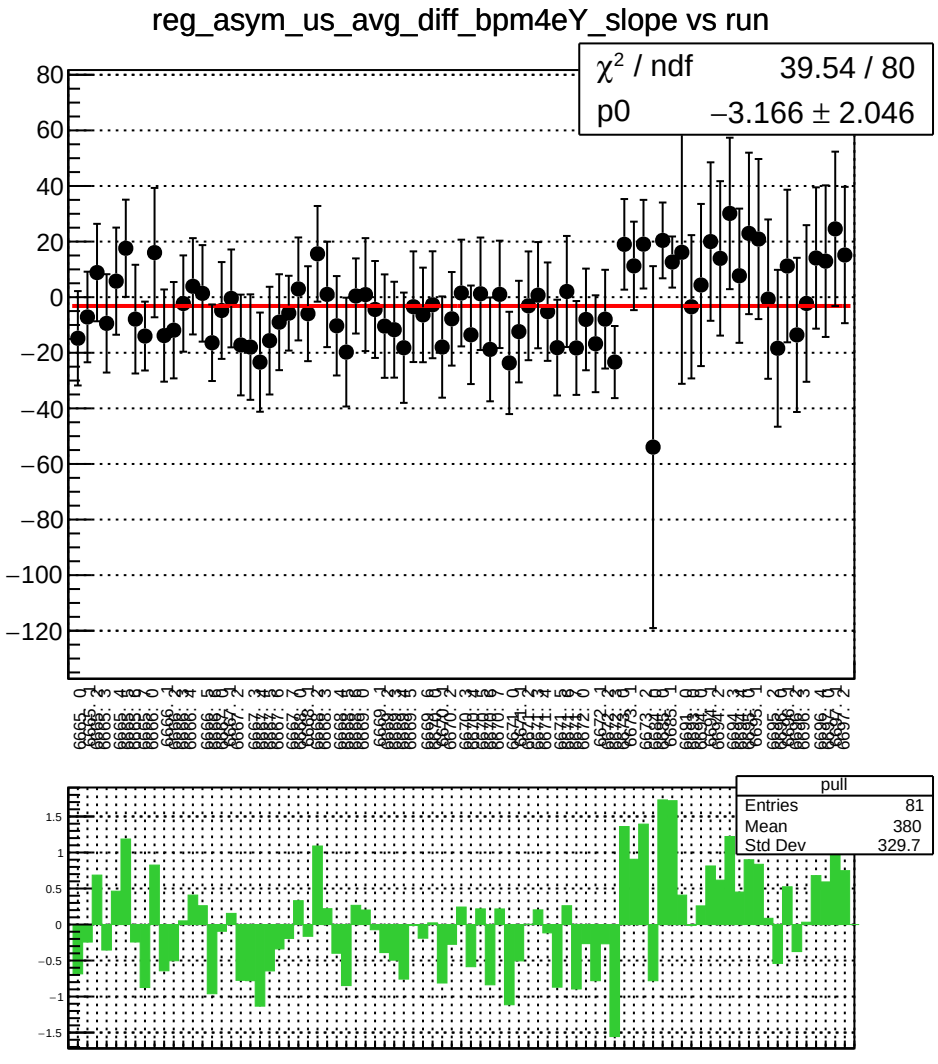

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 81.21 / 80
p0 −118.5 ± 2.076
pull
Entries 81
Mean −116.9
Std Dev 161.2
pull1D
Entries 81
Mean −0.08527
Std Dev 0.9977

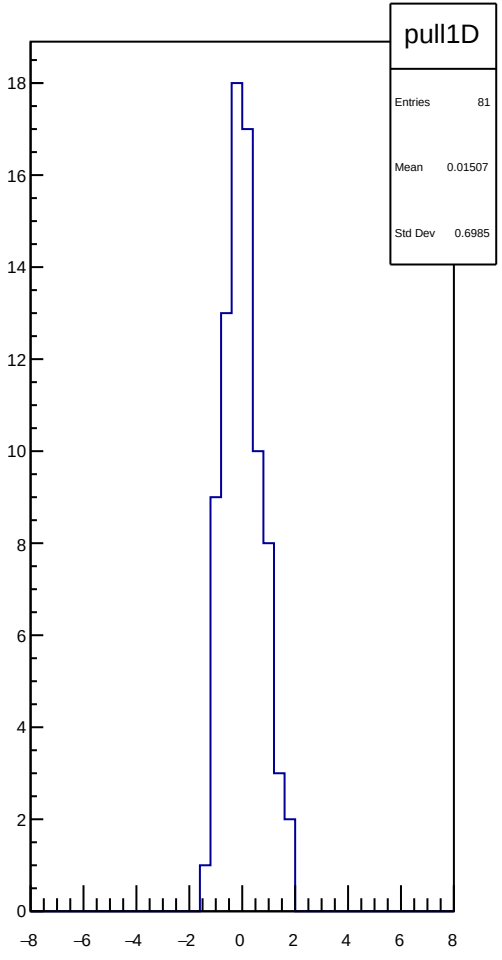

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.98 / 80
p0 22.1 ± 1.788
150
100
50
0
−50
pull
Entries 81
Mean 202.6
Std Dev 149.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

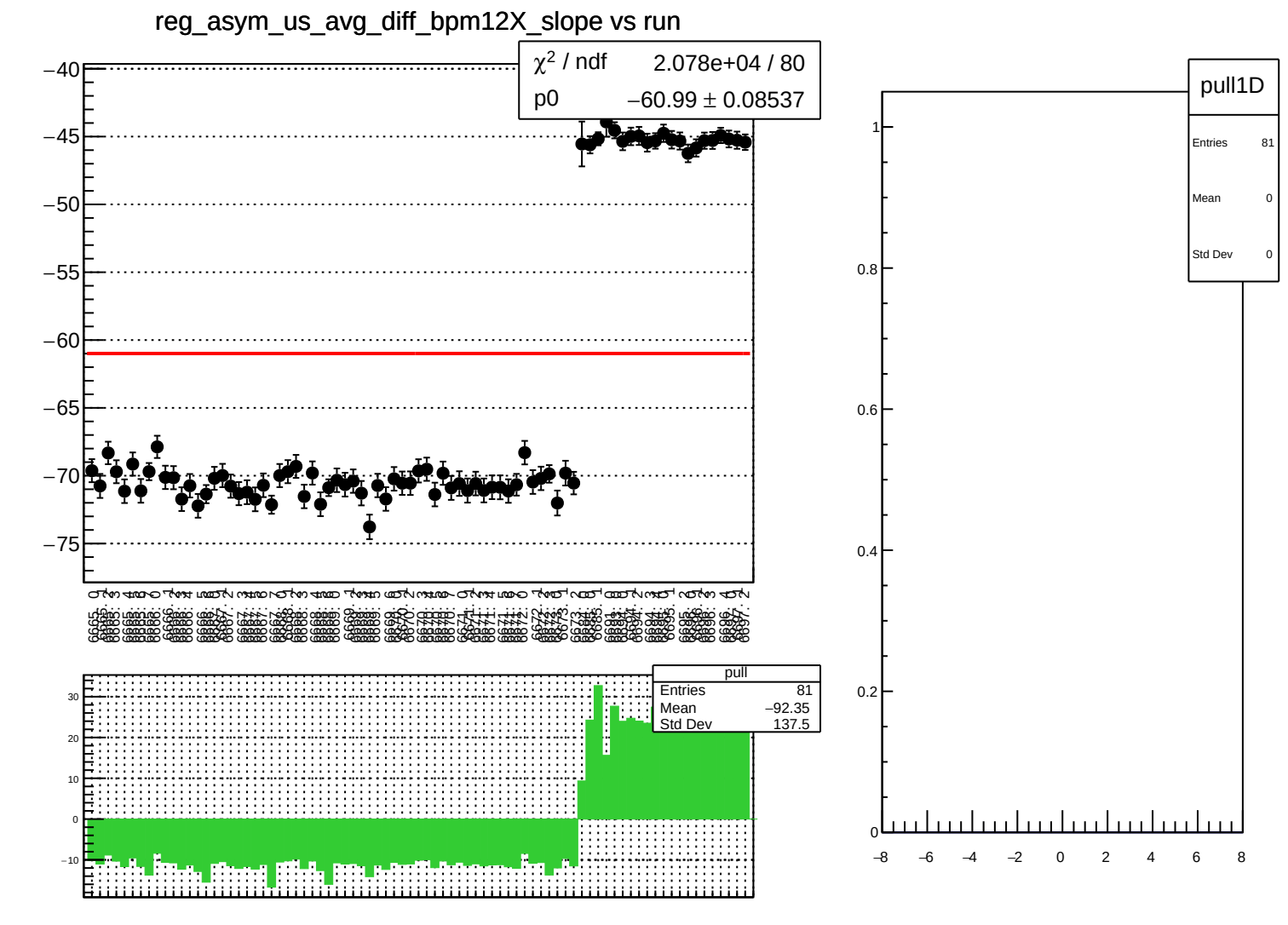

pull1D
Entries 81
Mean −0.02624
Std Dev 0.6752
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

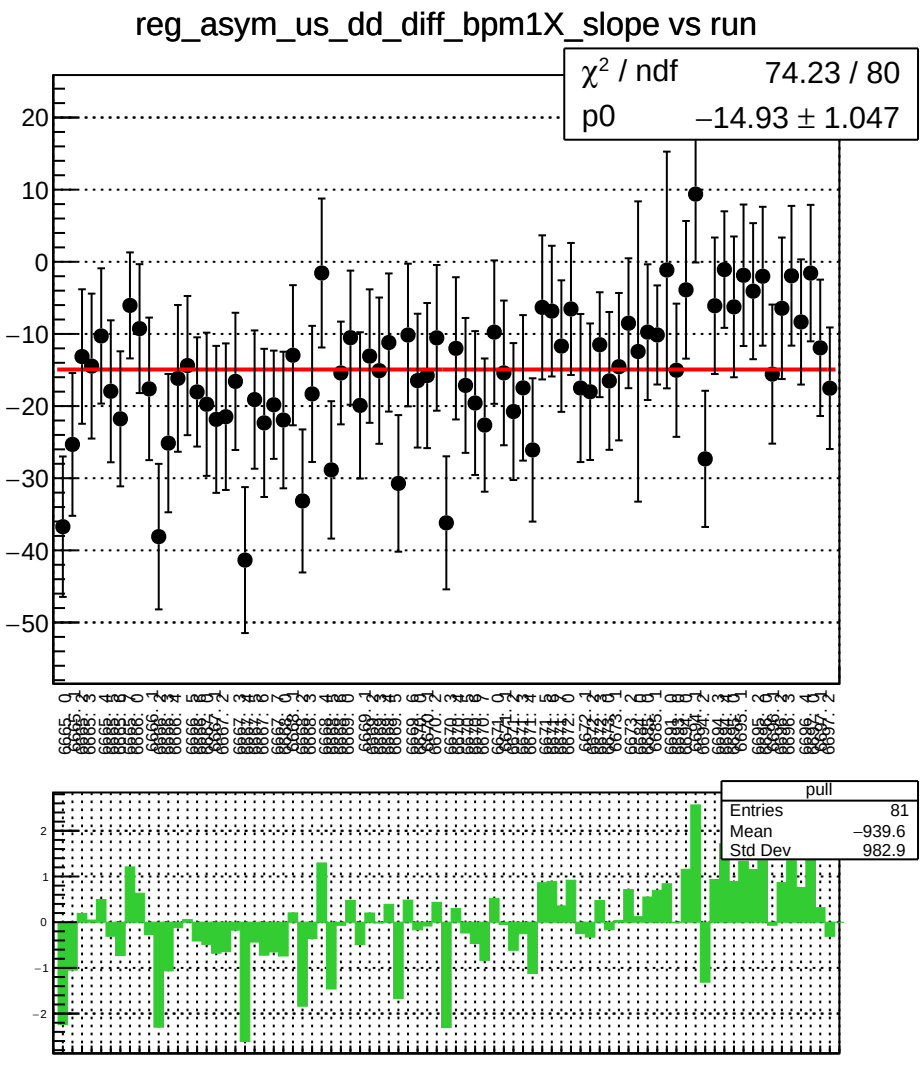

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 166.9 / 80
p0 125.7 ± 2.154
pull
Entries 81
Mean −66.51
Std Dev 110.2

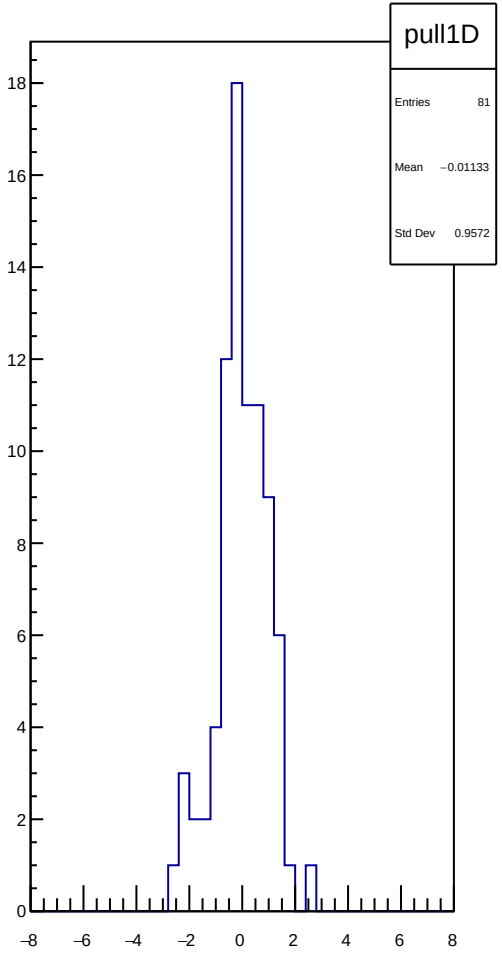

pull1D
Entries 81
Mean 0.2146
Std Dev 1.42

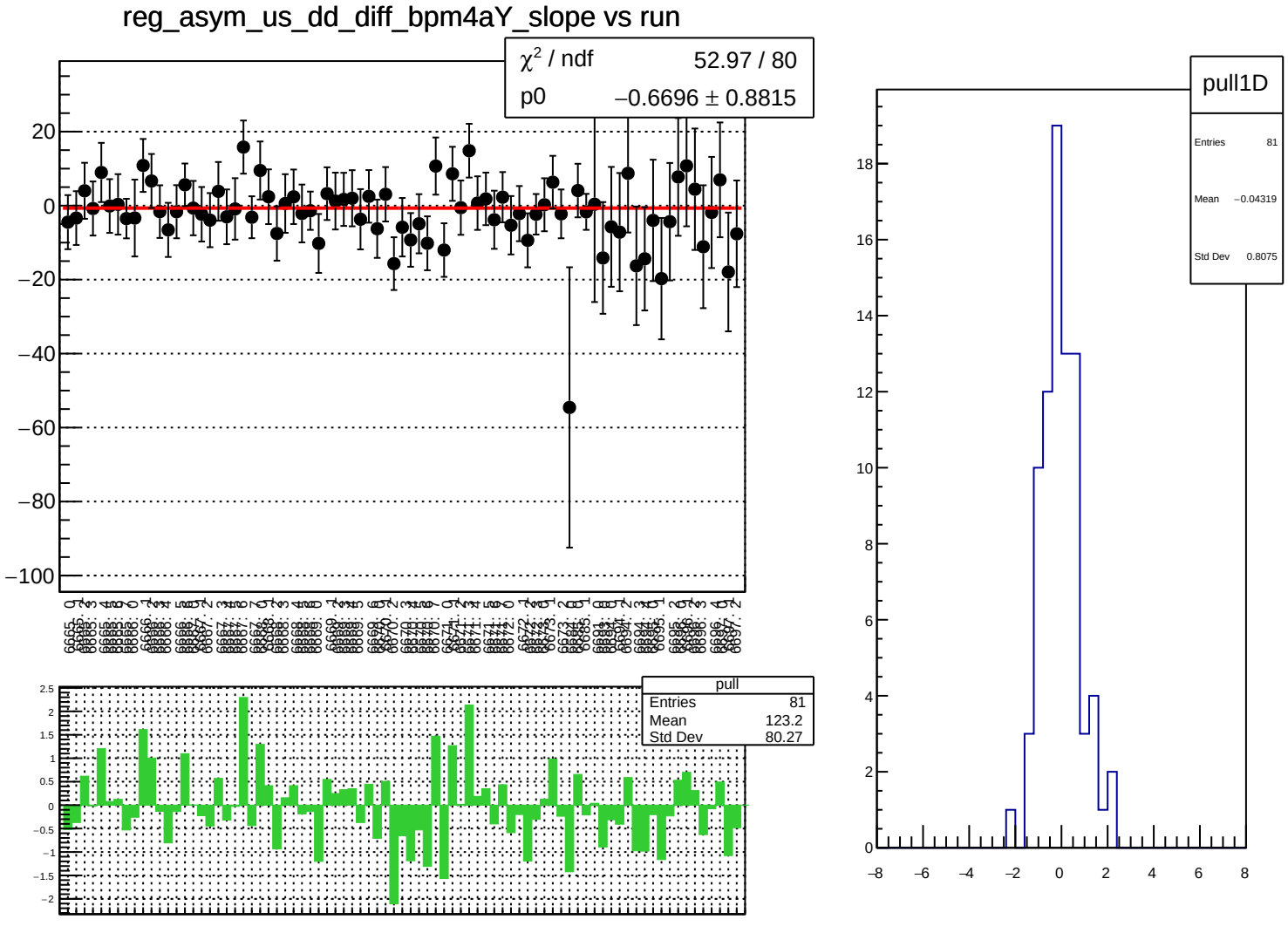

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.54 / 80
p0 −3.166 ± 2.046
pull
Entries 81
Mean 380
Std Dev 329.7

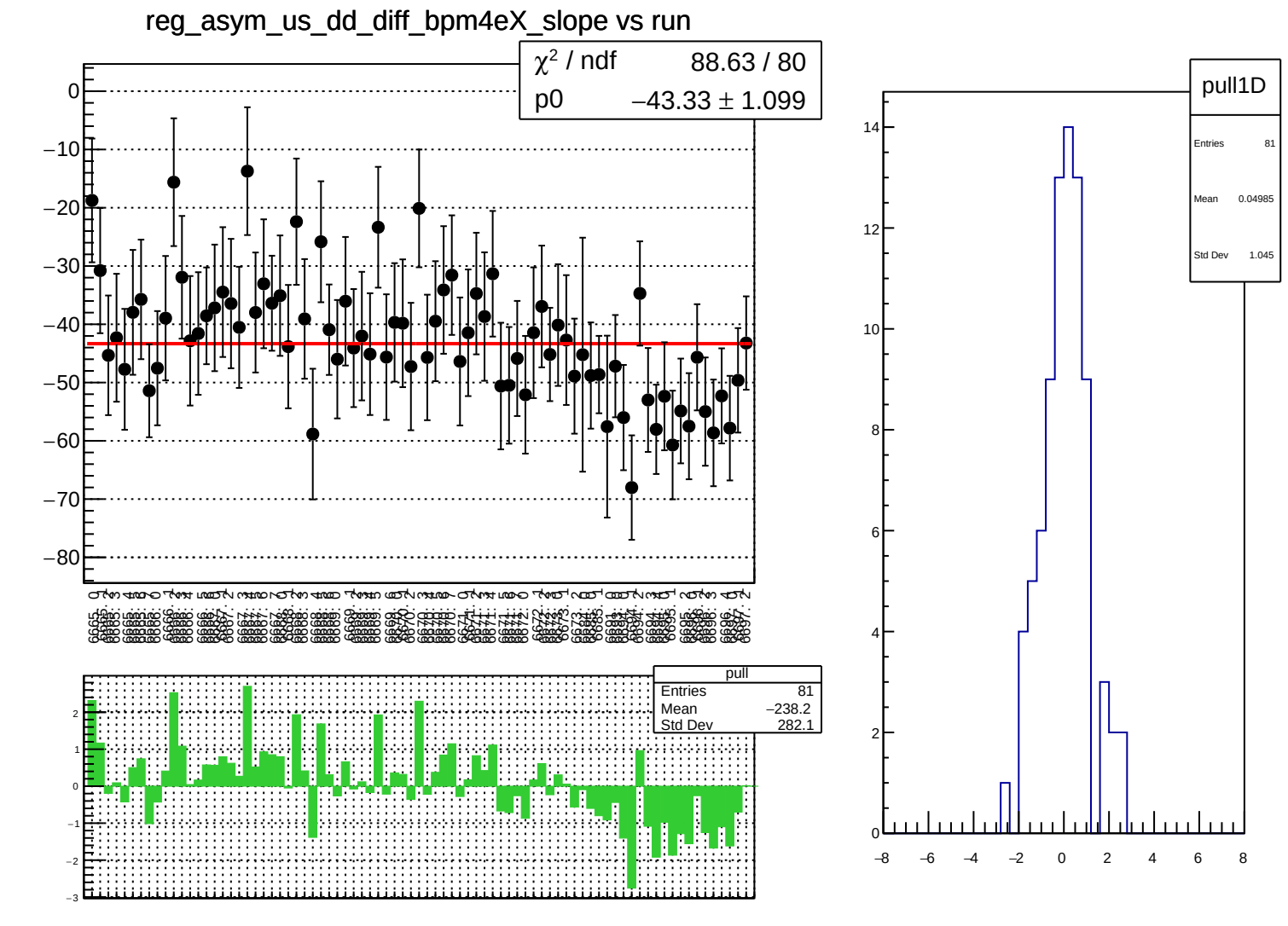

pull1D
Entries 81
Mean 0.01507
Std Dev 0.6985

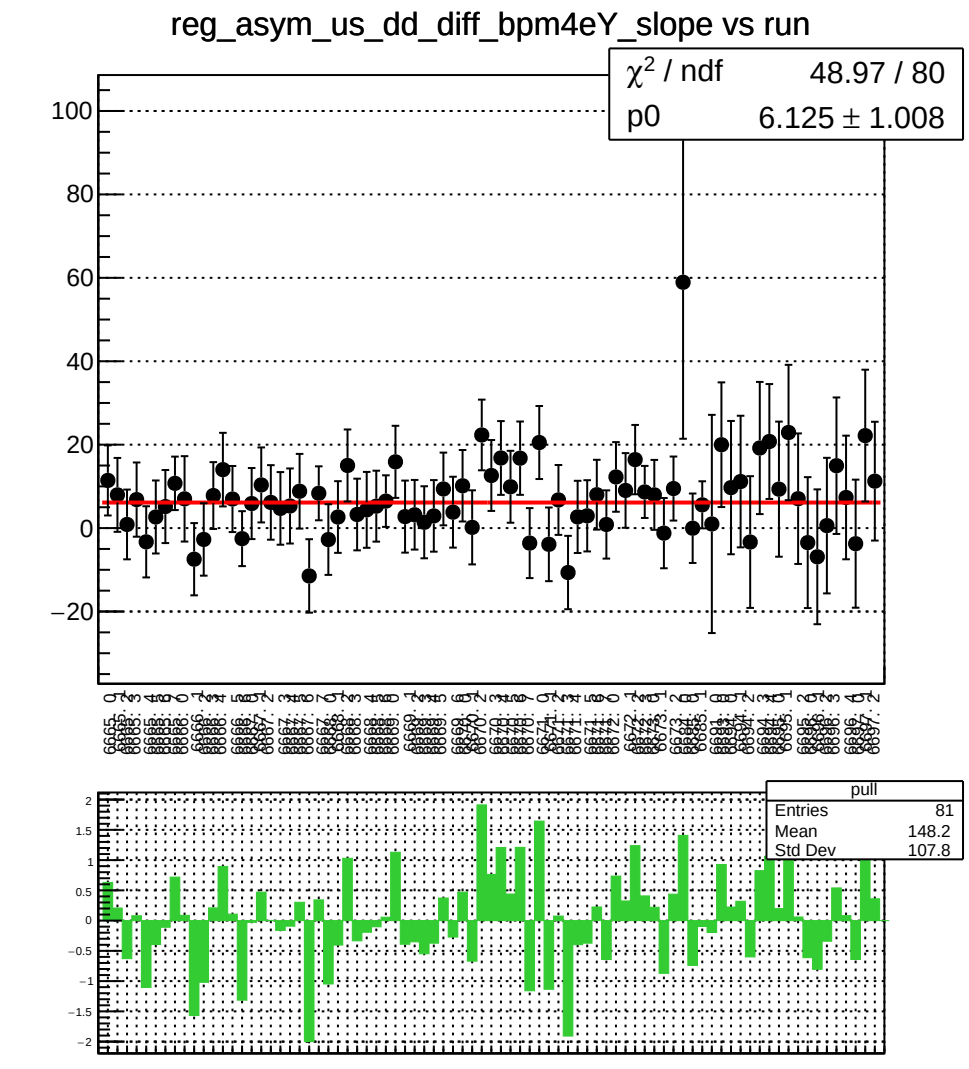

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 2.078e+04 / 80
p0 −60.99 ± 0.08537
pull
Entries 81
Mean −92.35
Std Dev 137.5
pull1D
Entries 81
Mean 0
Std Dev 0

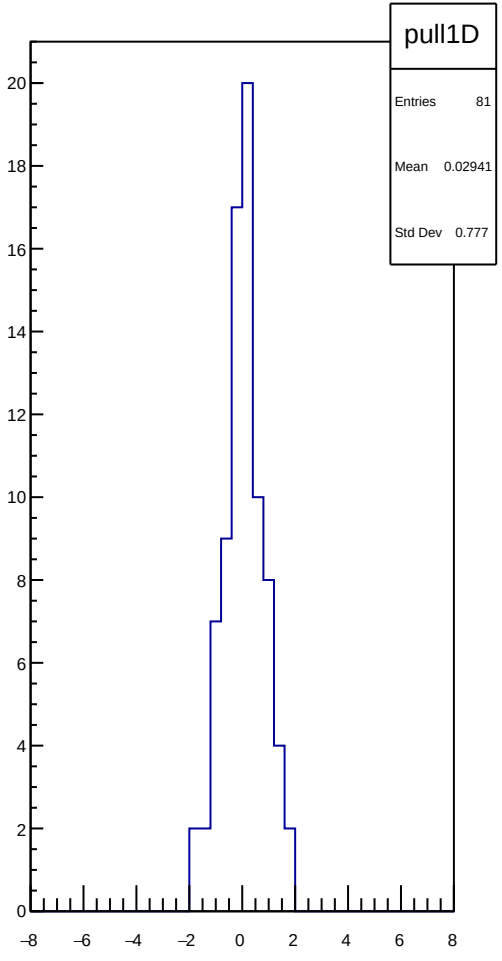

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 74.23 / 80
p0 −14.93 ± 1.047
pull
Entries 81
Mean −939.6
Std Dev 982.9

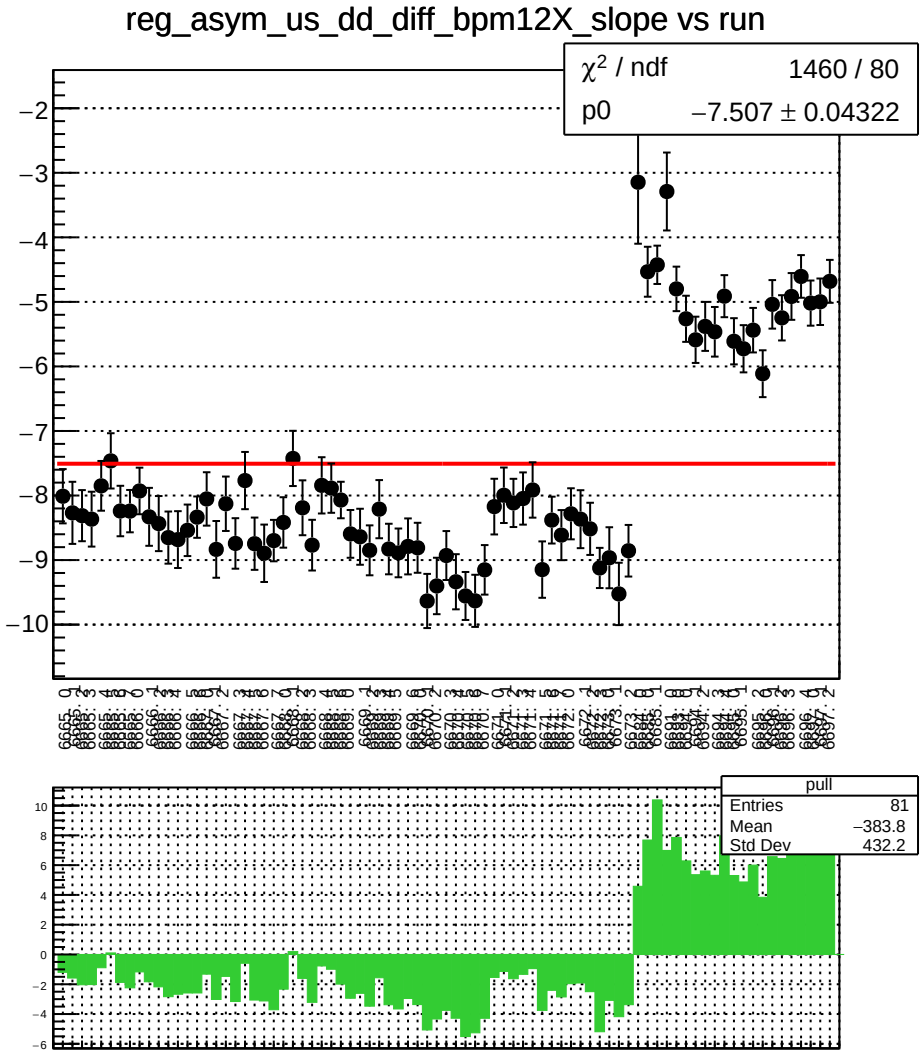

pull1D
Entries 81
Mean −0.01133
Std Dev 0.9572

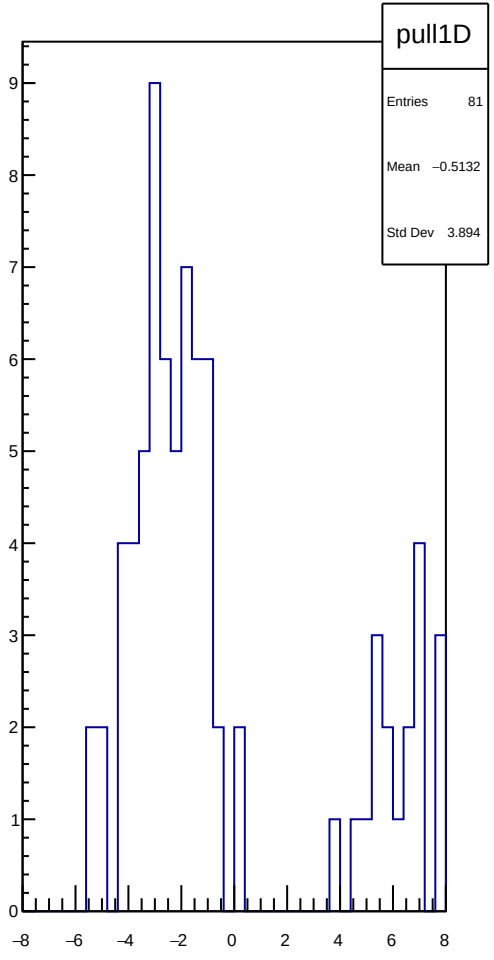

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 52.97 / 80
p0 −0.6696 ± 0.8815
pull
Entries 81
Mean 123.2
Std Dev 80.27
pull1D
Entries 81
Mean −0.04319
Std Dev 0.8075

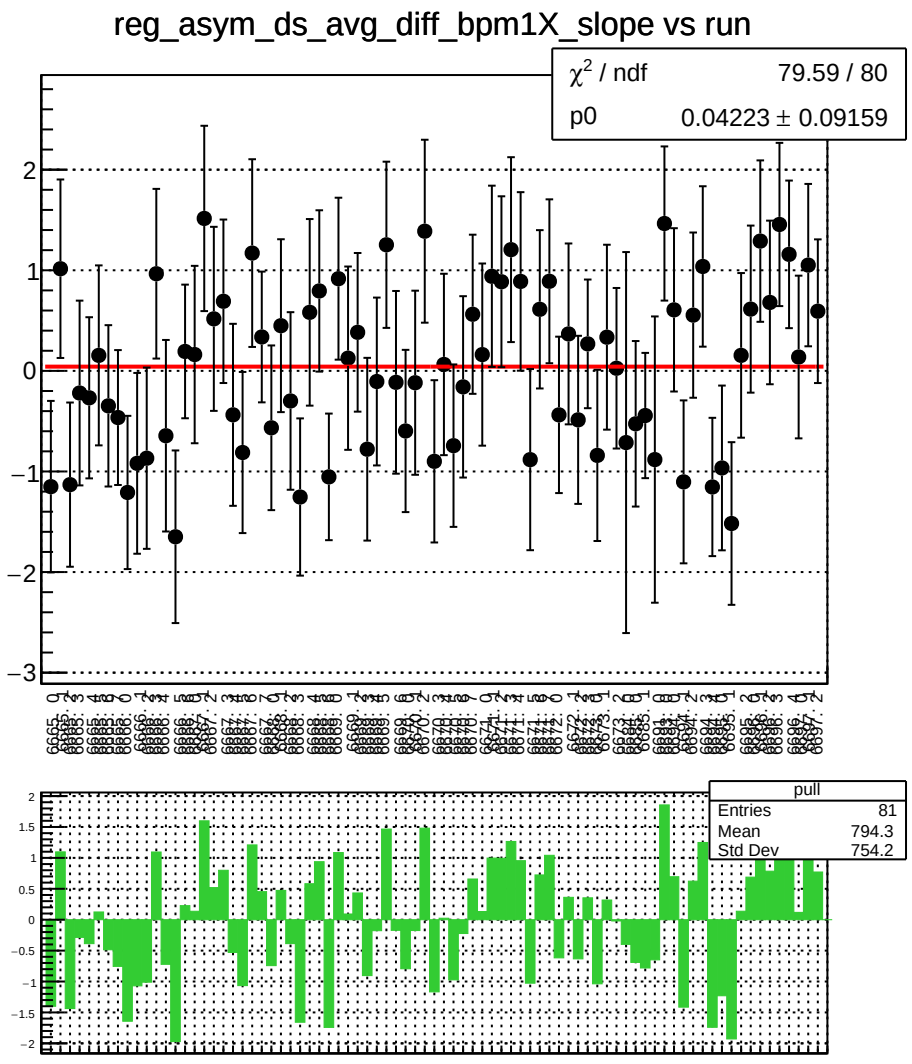

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.63 / 80
p0 −43.33 ± 1.099
pull
Entries 81
Mean −238.2
Std Dev 282.1
pull1D
Entries 81
Mean 0.04985
Std Dev 1.045

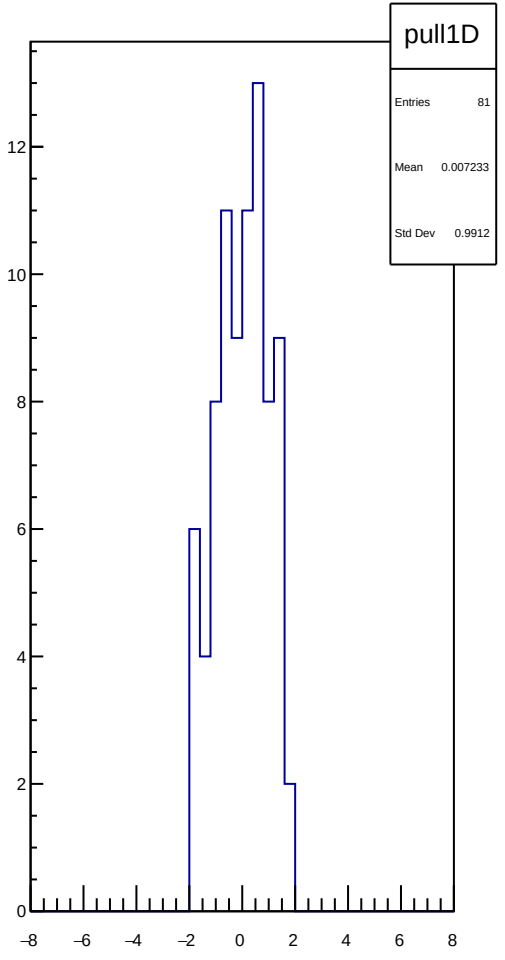

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.97 / 80
p0 6.125 ± 1.008
pull
Entries 81
Mean 148.2
Std Dev 107.8

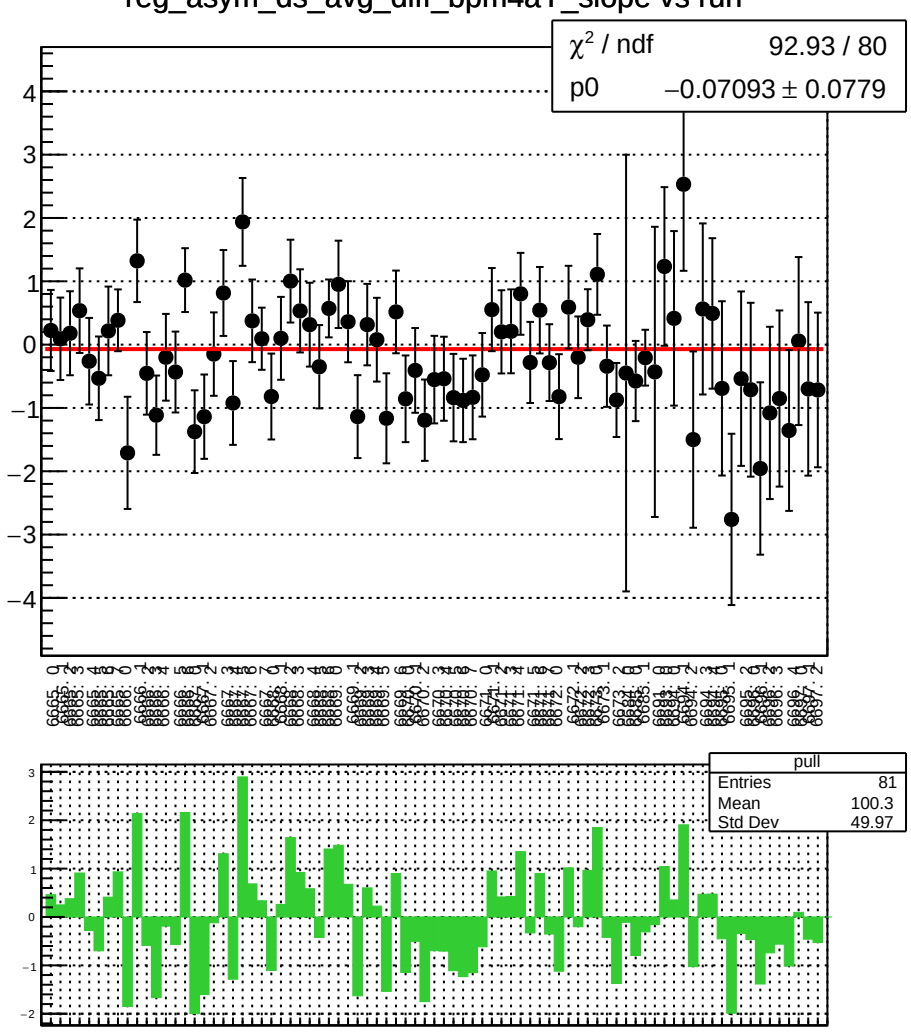

pull1D
Entries 81
Mean 0.02941
Std Dev 0.777

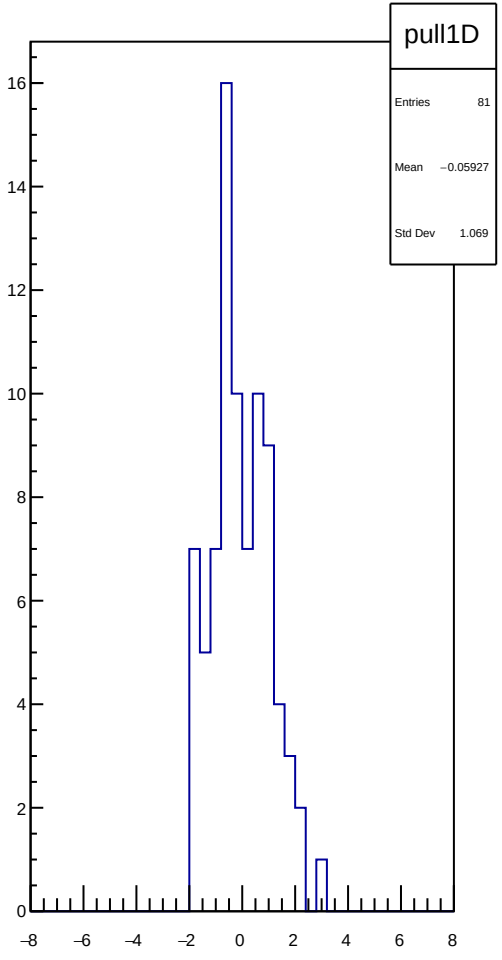

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 1460 / 80
p0 −7.507 ± 0.04322
pull
Entries 81
Mean −383.8
Std Dev 432.2

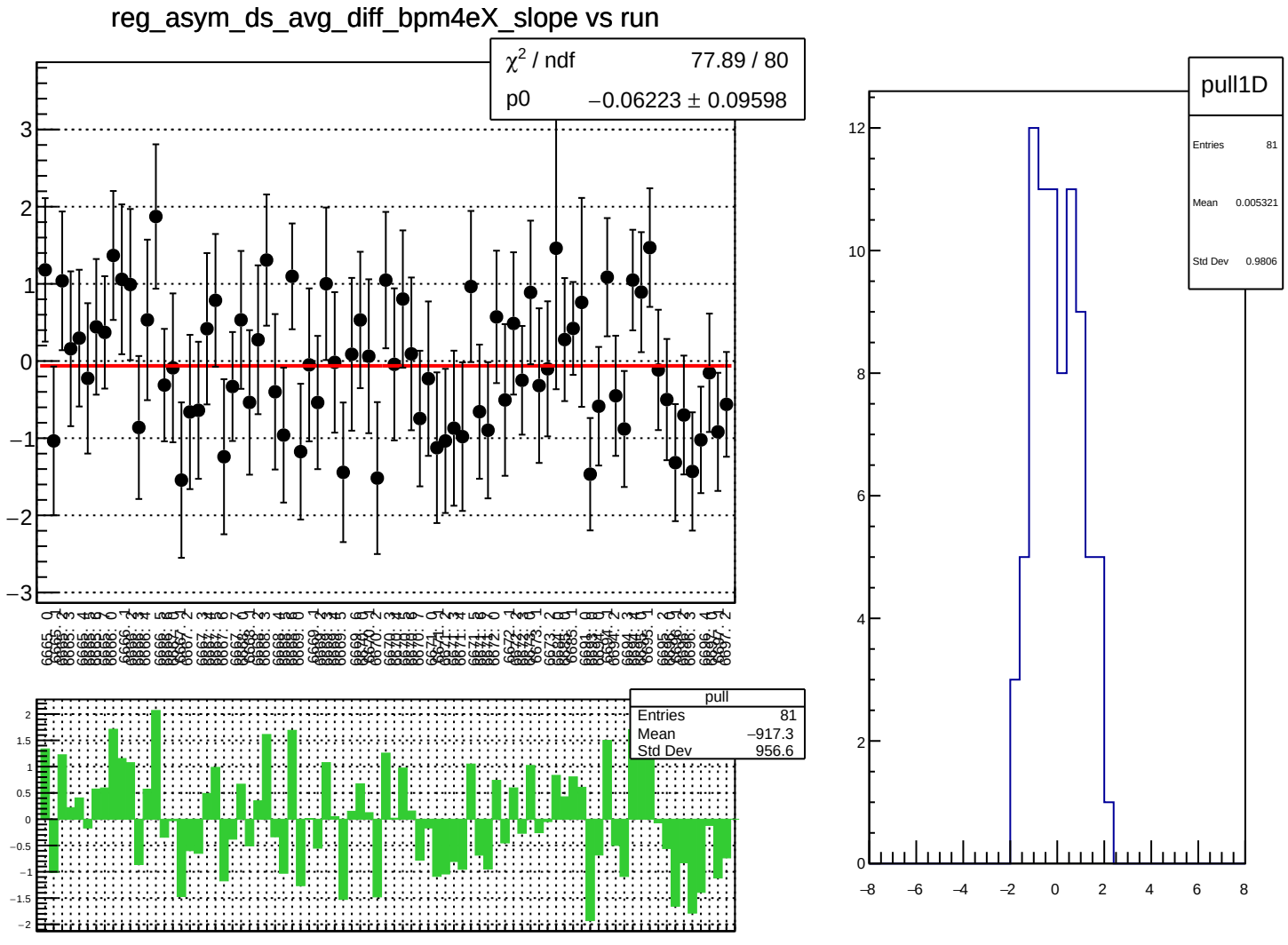

pull1D
Entries 81
Mean −0.5132
Std Dev 3.894

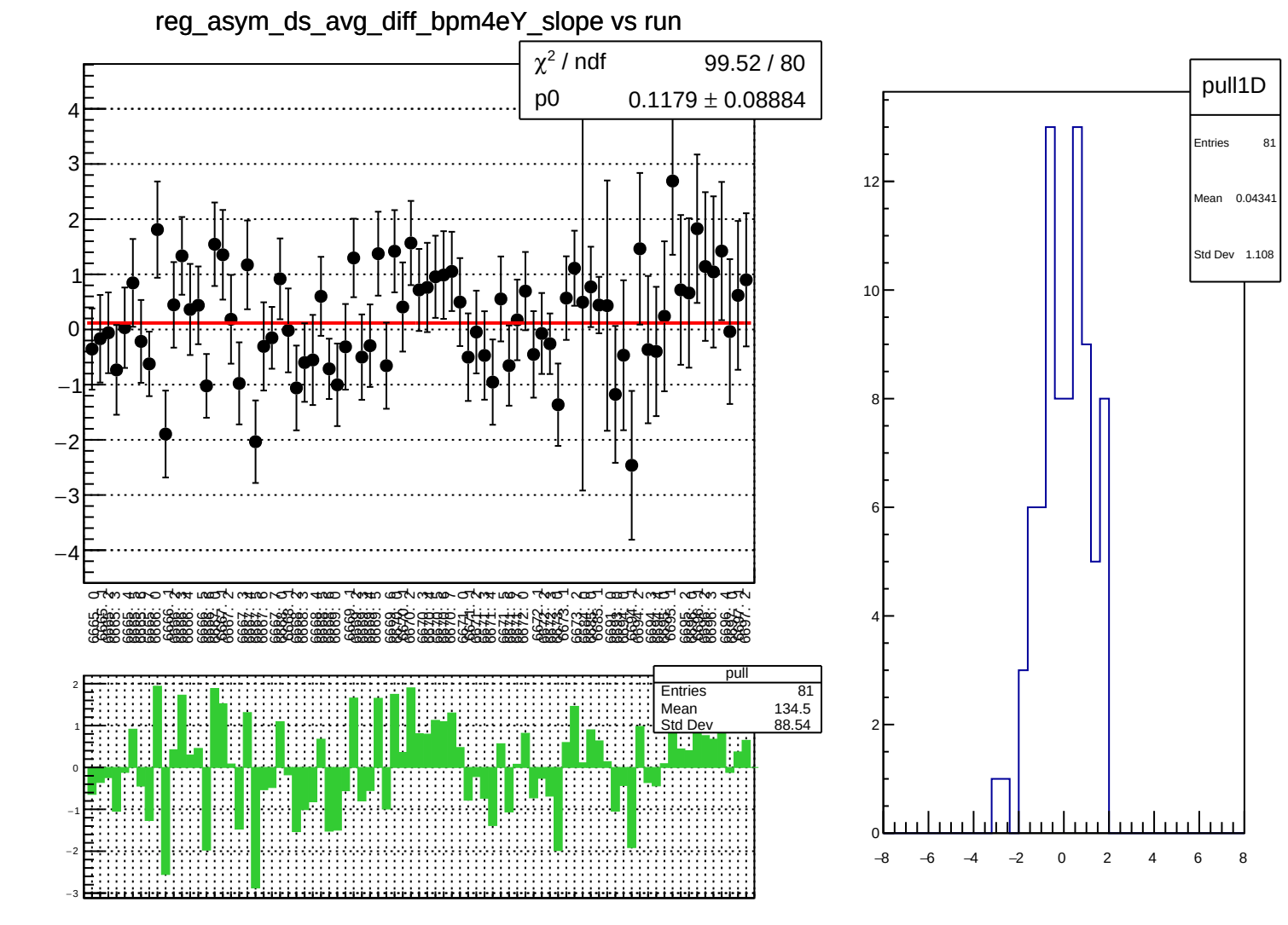

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 79.59 / 80
p0 0.04223 ± 0.09159
pull
Entries 81
Mean 794.3
Std Dev 754.2

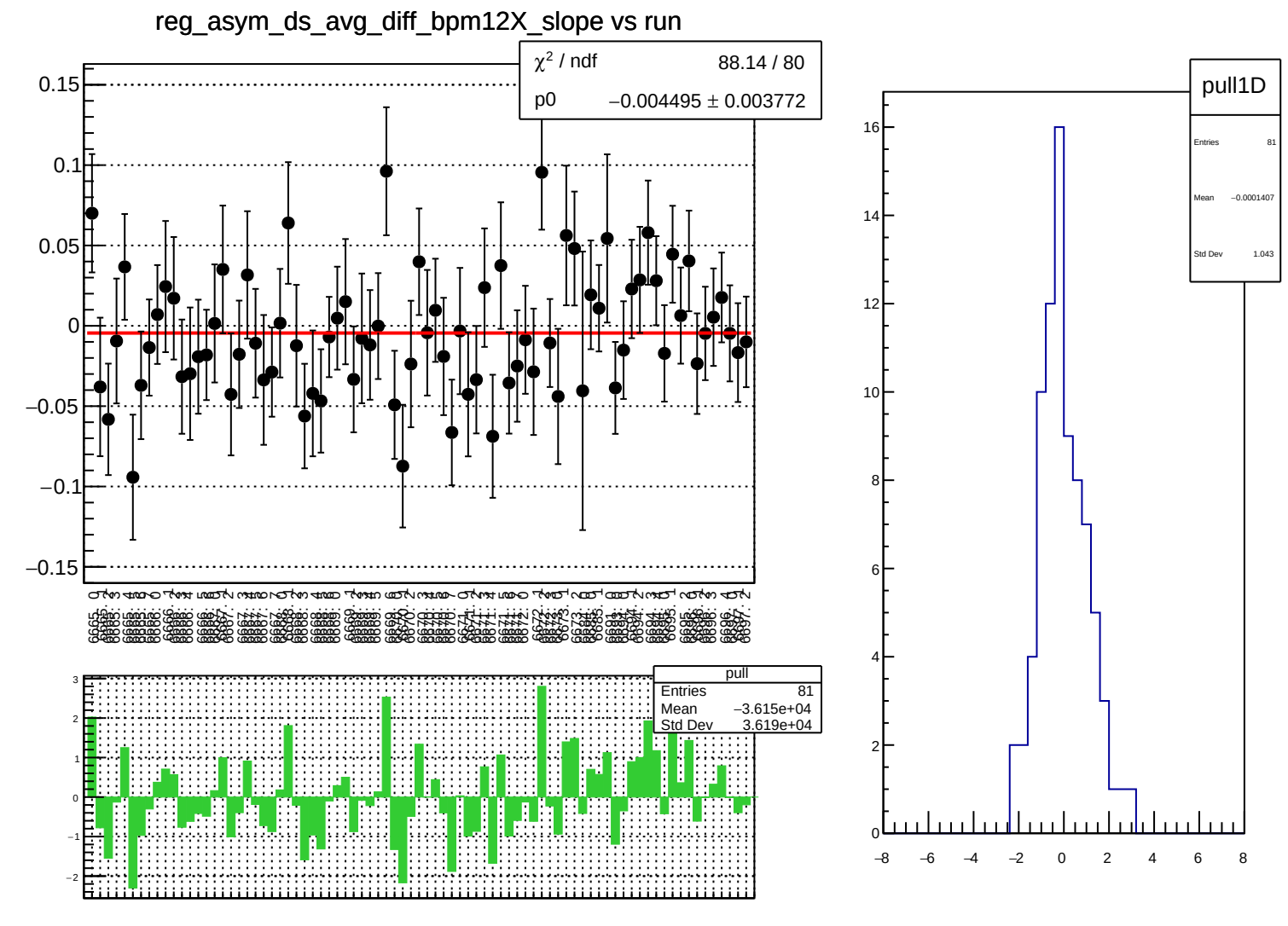

pull1D
Entries 81
Mean 0.007233
Std Dev 0.9912

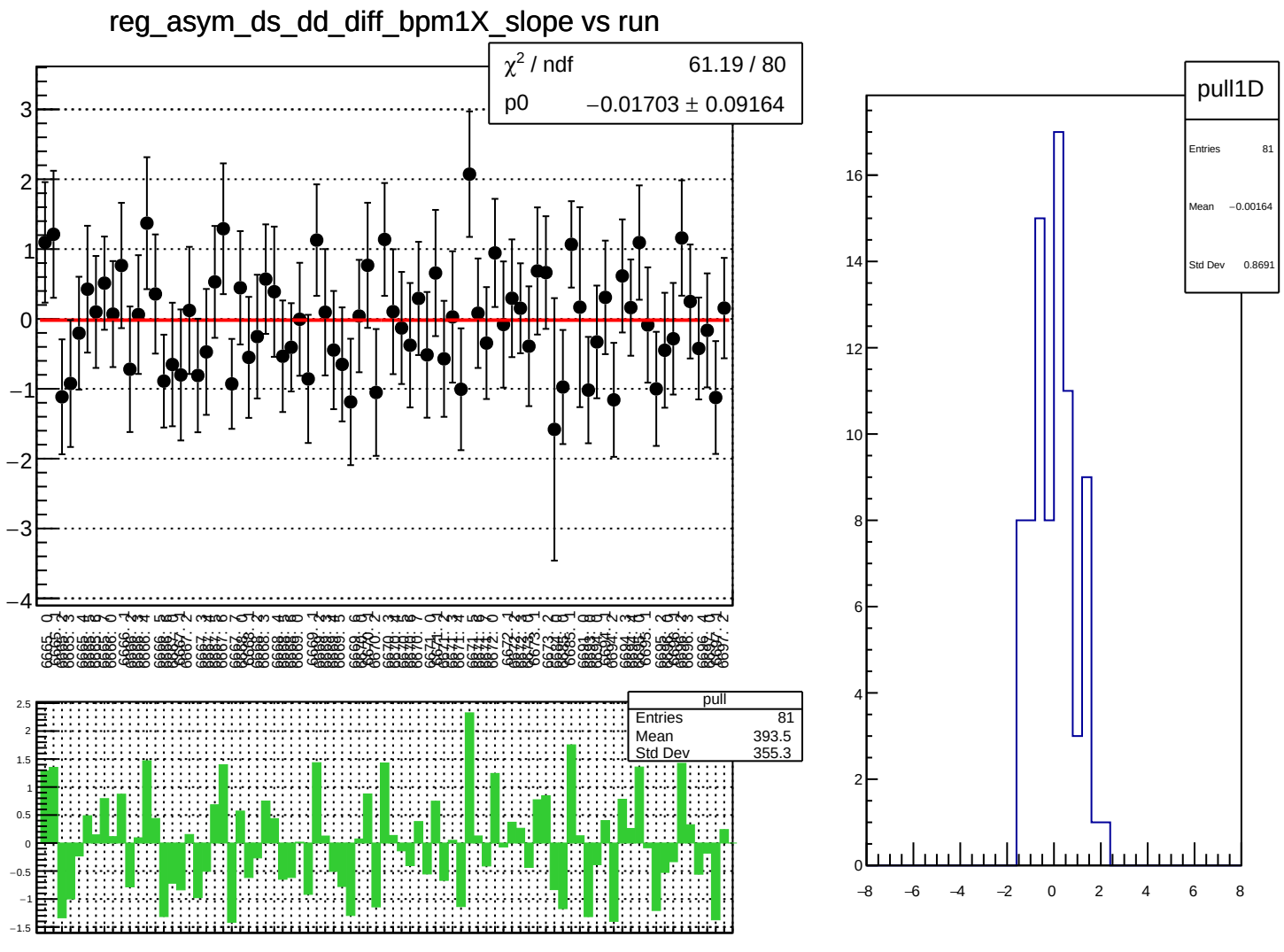

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 92.93 / 80
p0 −0.07093 ± 0.0779
pull
Entries 81
Mean 100.3
Std Dev 49.97

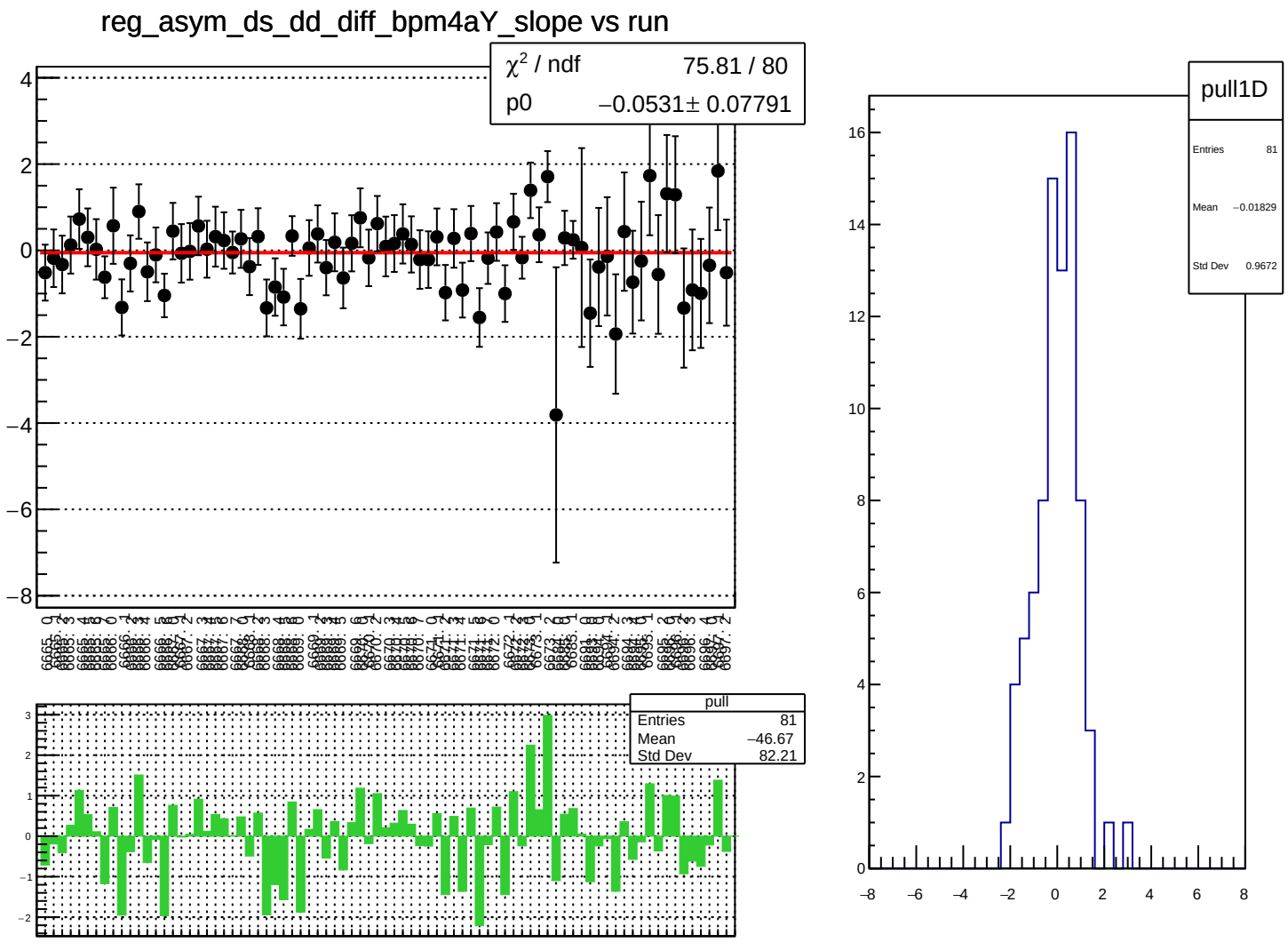

pull1D
Entries 81
Mean −0.05927
Std Dev 1.069

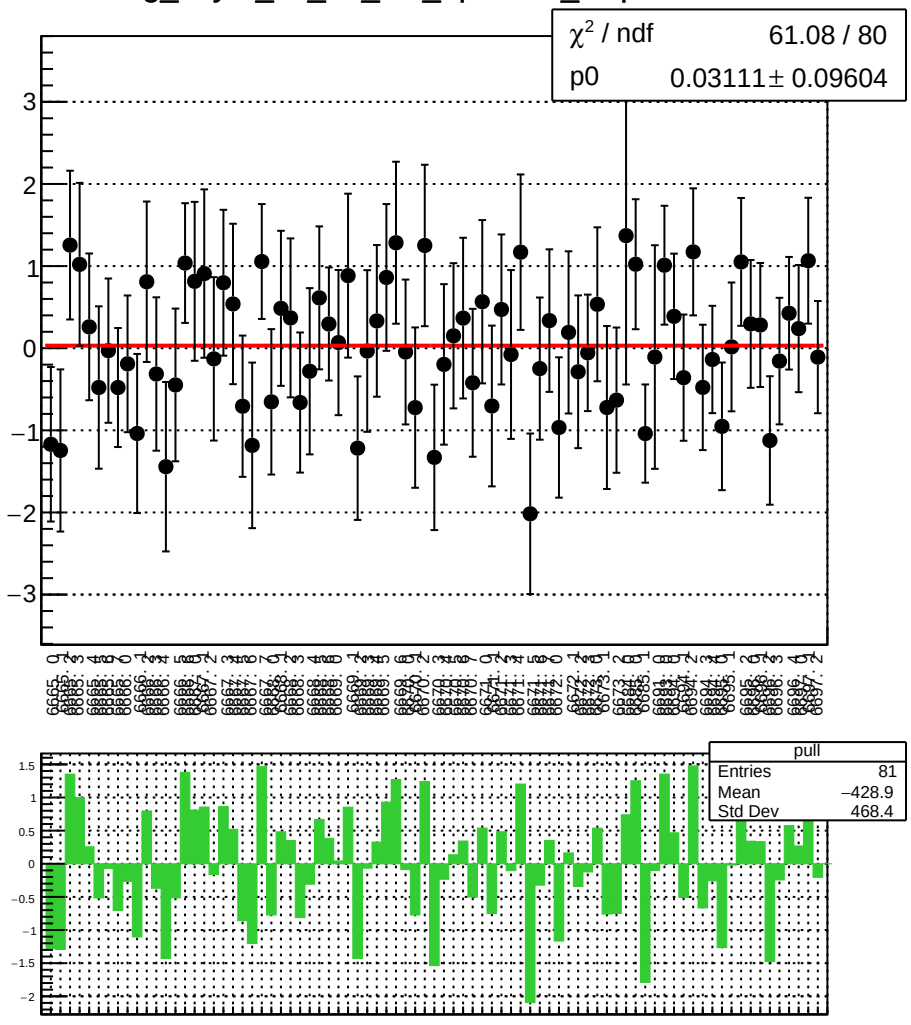

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 77.89 / 80
p0 −0.06223 ± 0.09598
pull
Entries 81
Mean −917.3
Std Dev 956.6
pull1D
Entries 81
Mean 0.005321
Std Dev 0.9806

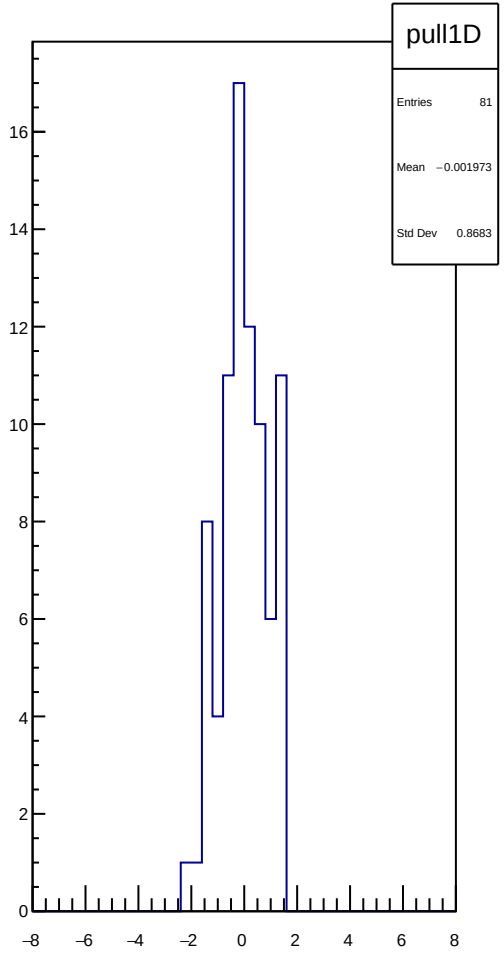

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 99.52 / 80
p0 0.1179 ± 0.08884
pull
Entries 81
Mean 134.5
Std Dev 88.54
pull1D
Entries 81
Mean 0.04341
Std Dev 1.108

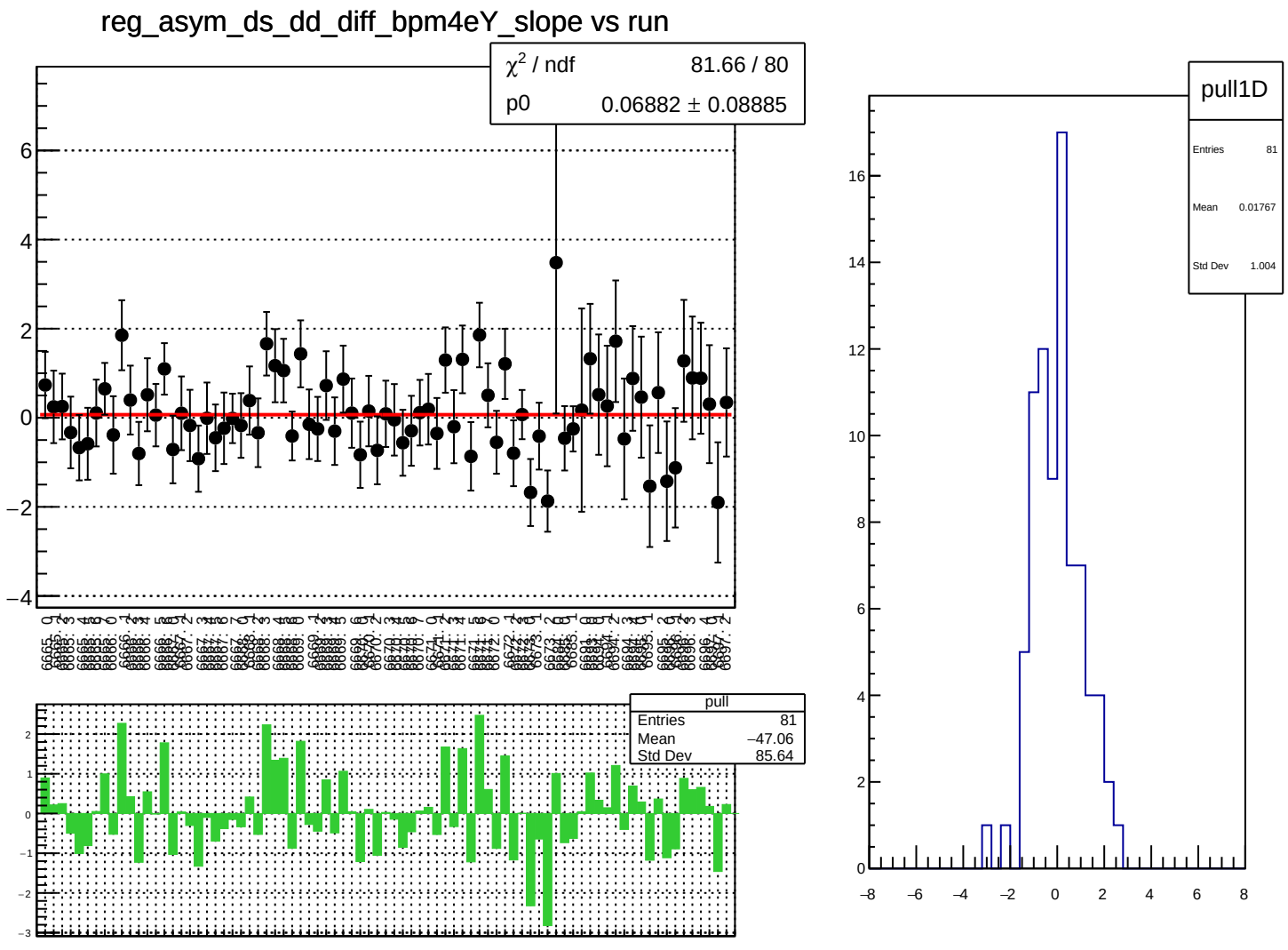

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 88.14 / 80
p0 −0.004495 ± 0.003772
pull
Entries 81
Mean −3.615e+04
Std Dev 3.619e+04
pull1D
Entries 81
Mean −0.0001407
Std Dev 1.043

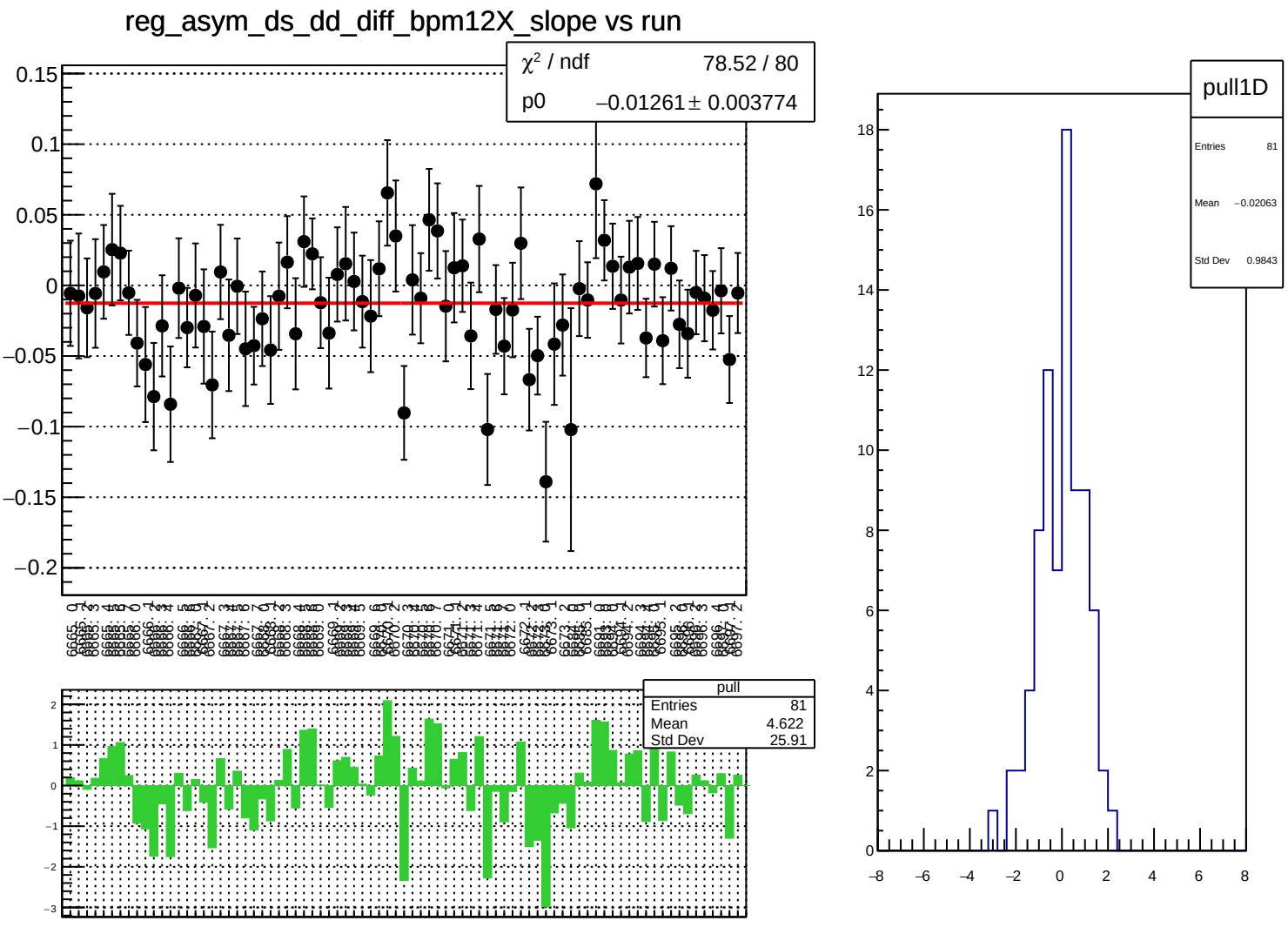

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 61.19 / 80
p0 −0.01703 ± 0.09164
pull
Entries 81
Mean 393.5
Std Dev 355.3
pull1D
Entries 81
Mean −0.00164
Std Dev 0.8691

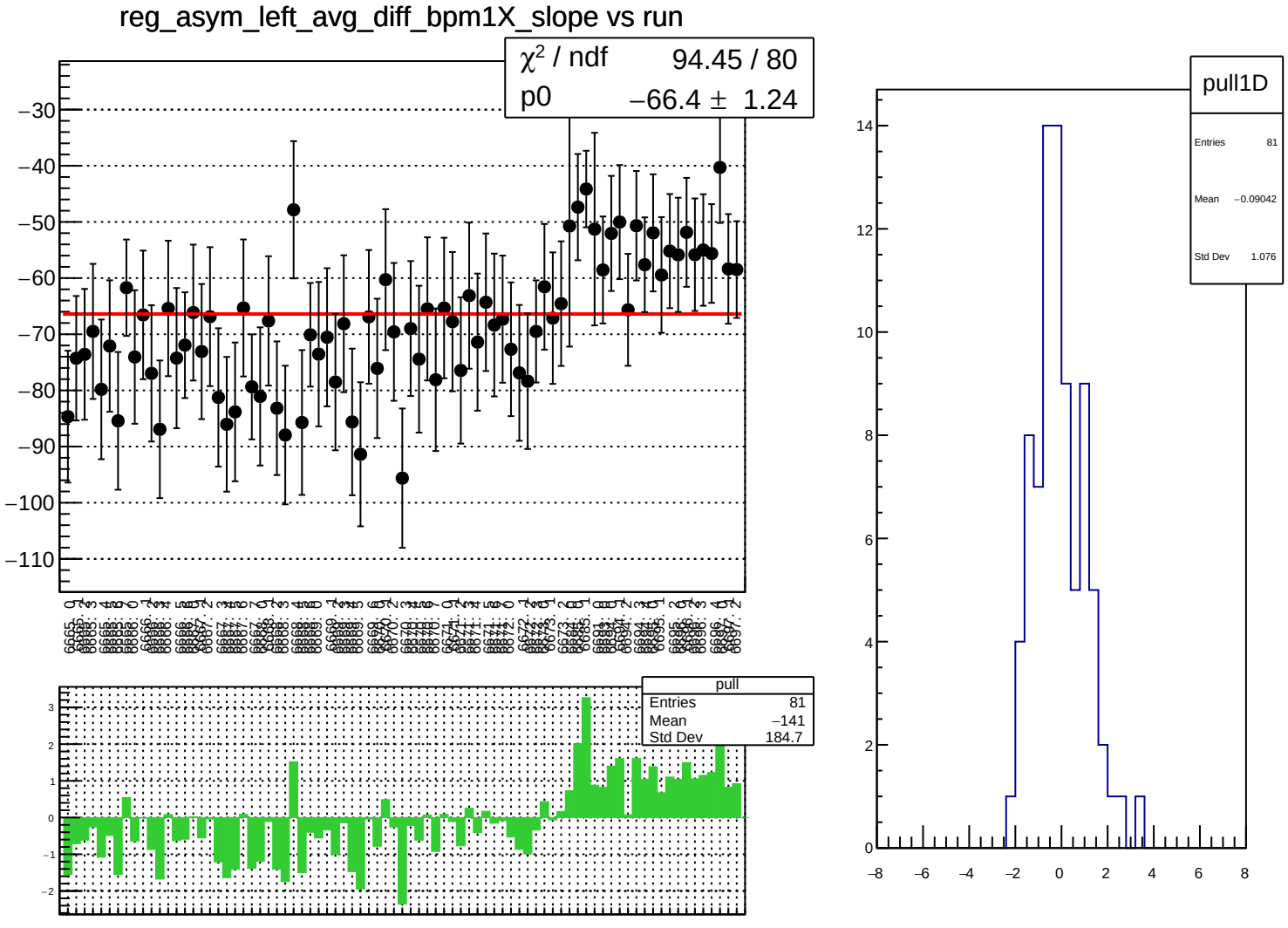

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.81 / 80
p0 −0.0531± 0.07791
pull
Entries 81
Mean −46.67
Std Dev 82.21
pull1D
Entries 81
Mean −0.01829
Std Dev 0.9672

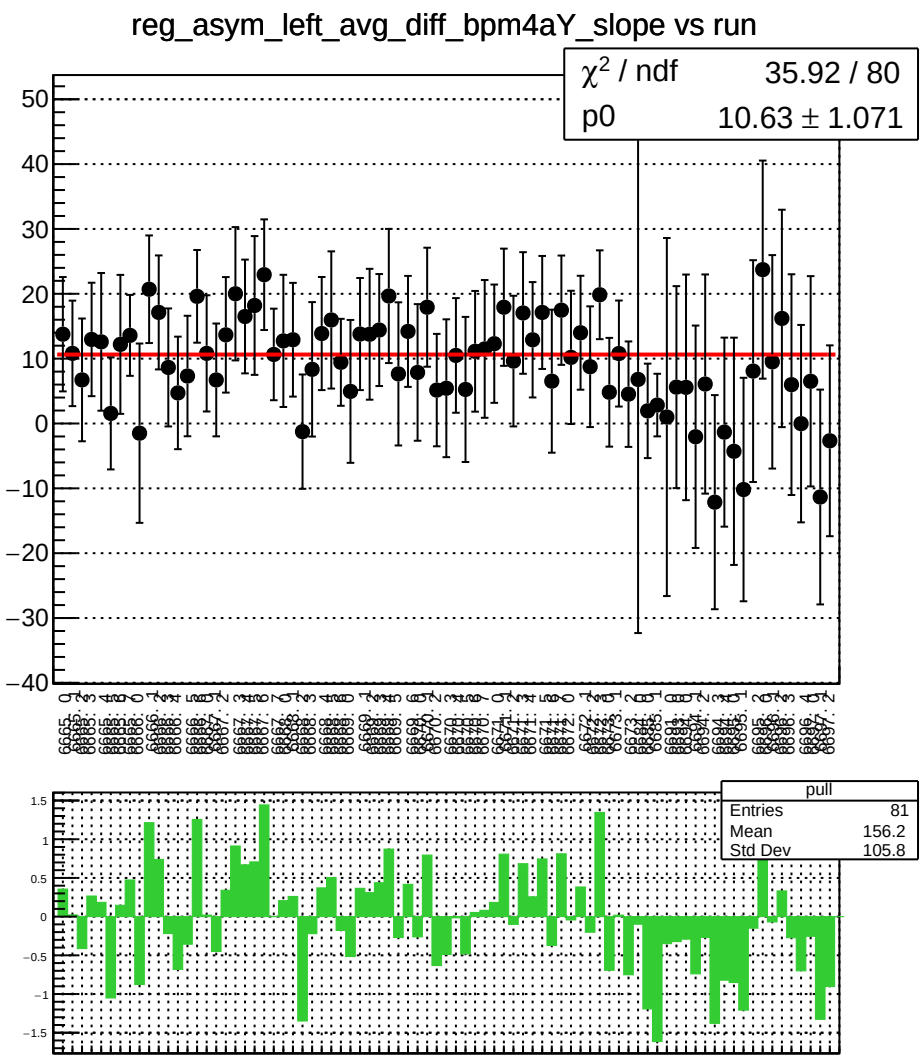

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.08 / 80
p0 0.03111 ± 0.09604
pull
Entries 81
Mean −428.9
Std Dev 468.4

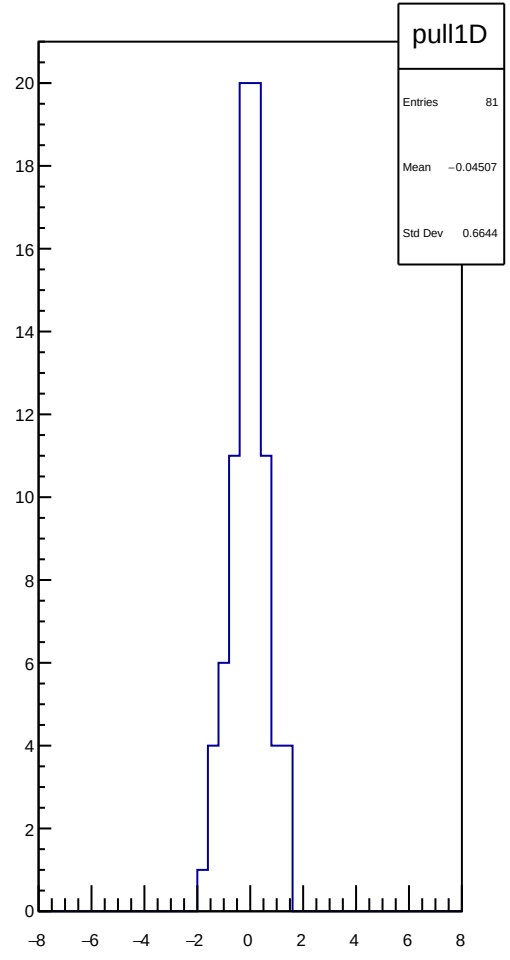

pull1D
Entries 81
Mean −0.001973
Std Dev 0.8683

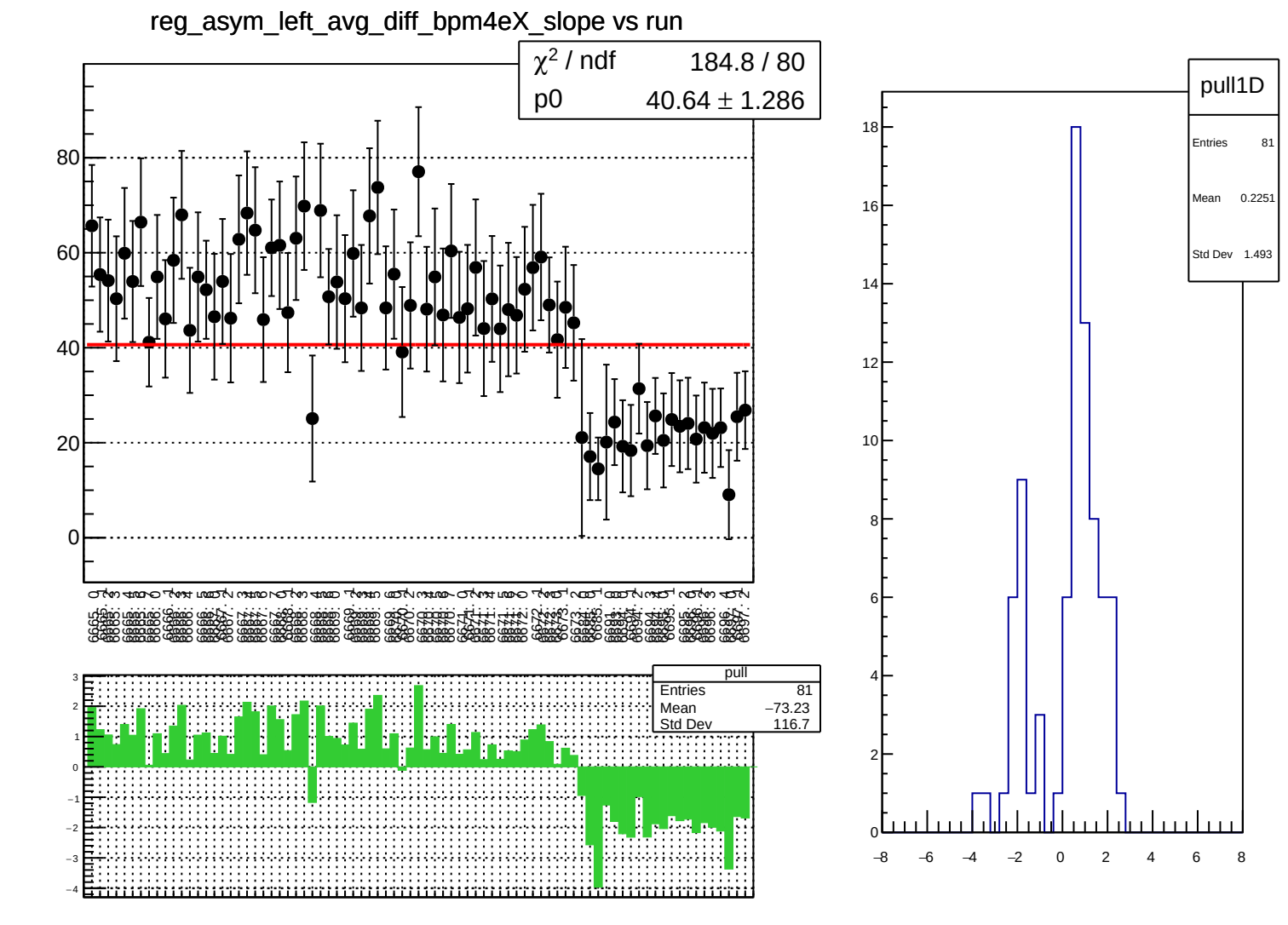

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.66 / 80
p0 0.06882 ± 0.08885
pull
Entries 81
Mean −47.06
Std Dev 85.64
pull1D
Entries 81
Mean 0.01767
Std Dev 1.004

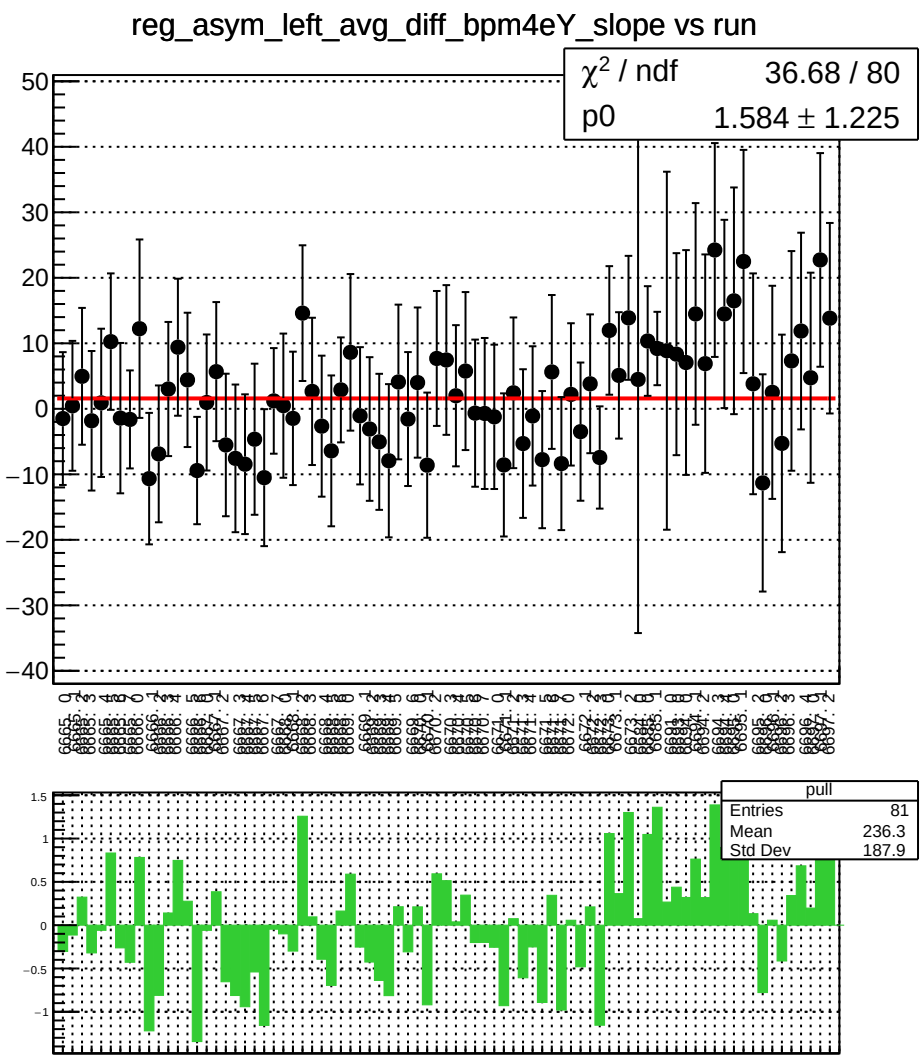

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 78.52 / 80
p0 −0.01261 ± 0.003774
pull
Entries 81
Mean 4.622
Std Dev 25.91
pull1D
Entries 81
Mean −0.02063
Std Dev 0.9843

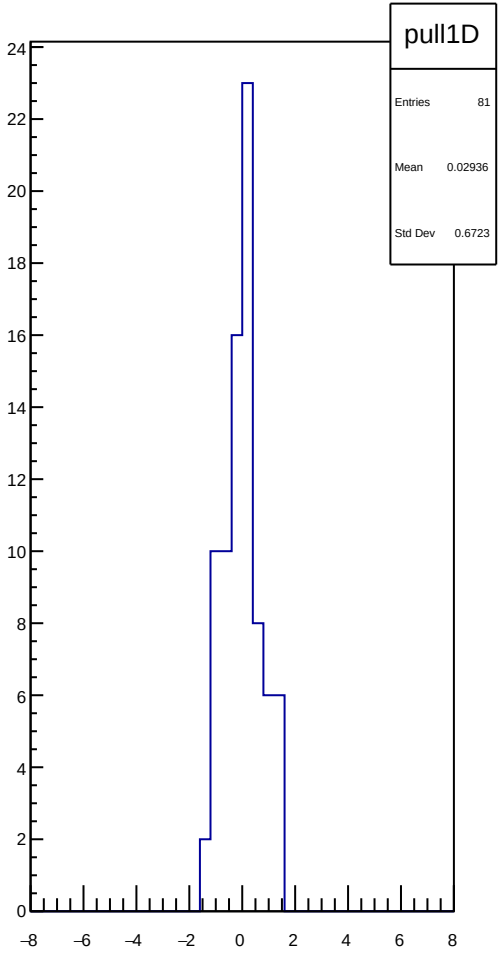

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 94.45 / 80
p0 −66.4 ± 1.24
pull
Entries 81
Mean −141
Std Dev 184.7
pull1D
Entries 81
Mean −0.09042
Std Dev 1.076

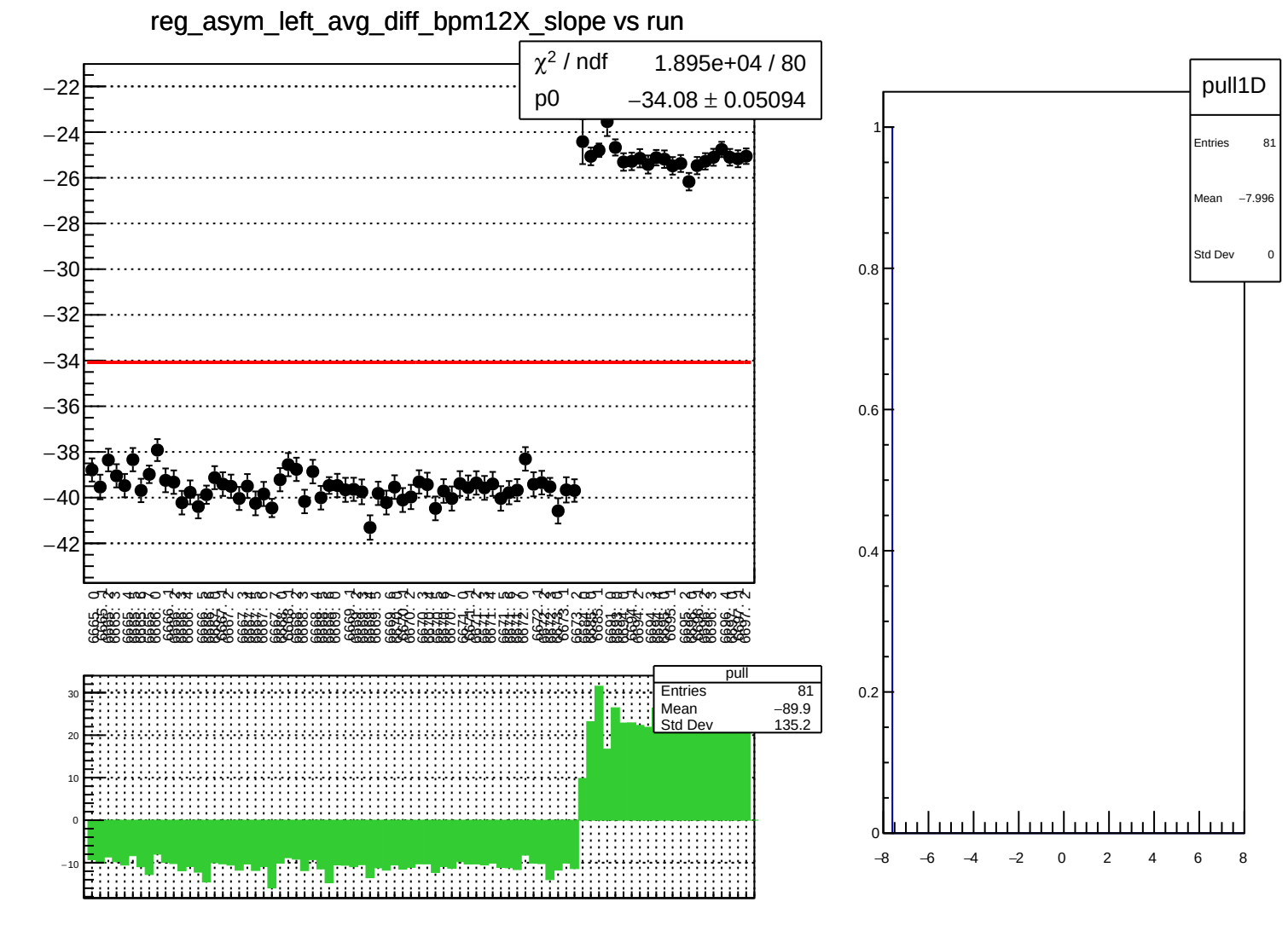

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.92 / 80
p0 10.63 ± 1.071
pull
Entries 81
Mean 156.2
Std Dev 105.8

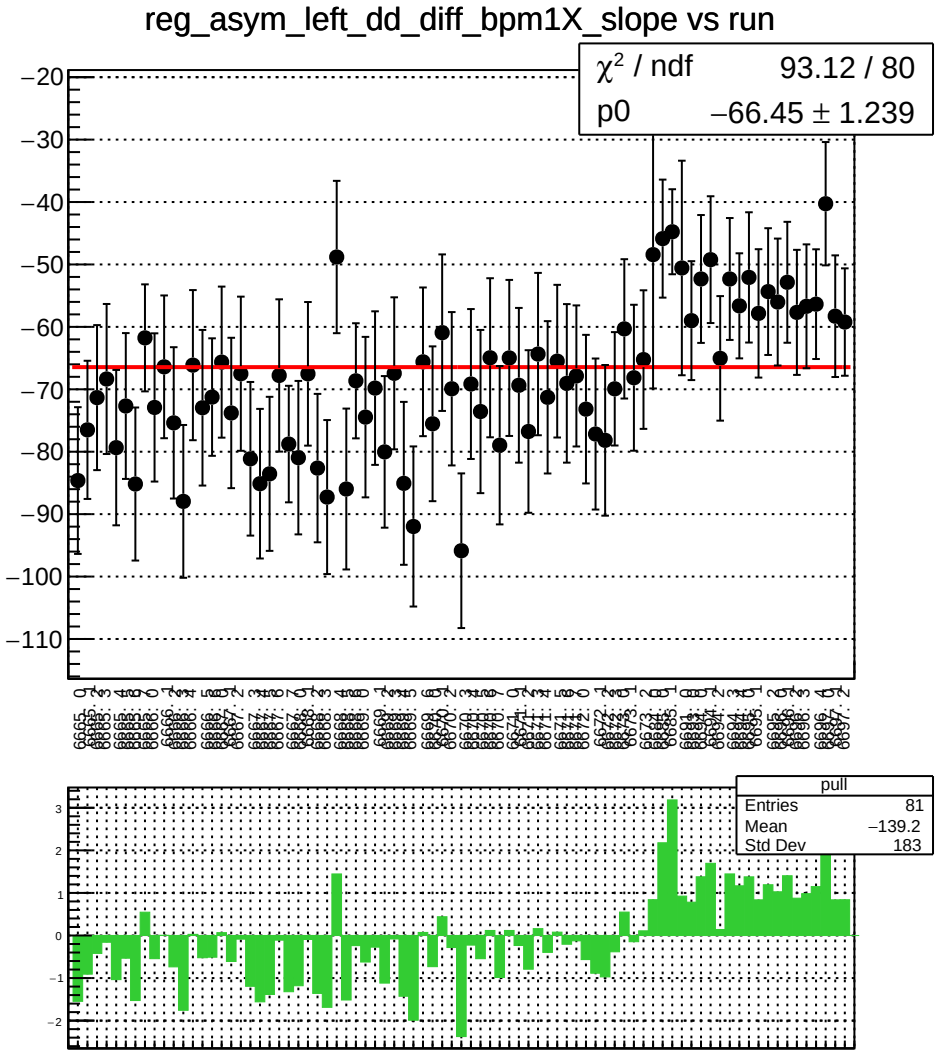

pull1D
Entries 81
Mean −0.04507
Std Dev 0.6644

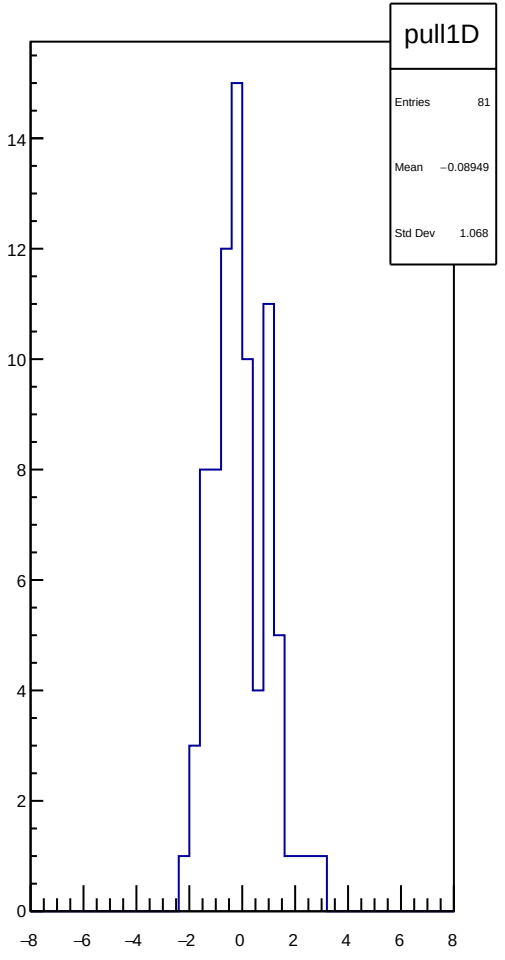

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 184.8 / 80
p0 40.64 ± 1.286
pull
Entries 81
Mean −73.23
Std Dev 116.7
pull1D
Entries 81
Mean 0.2251
Std Dev 1.493

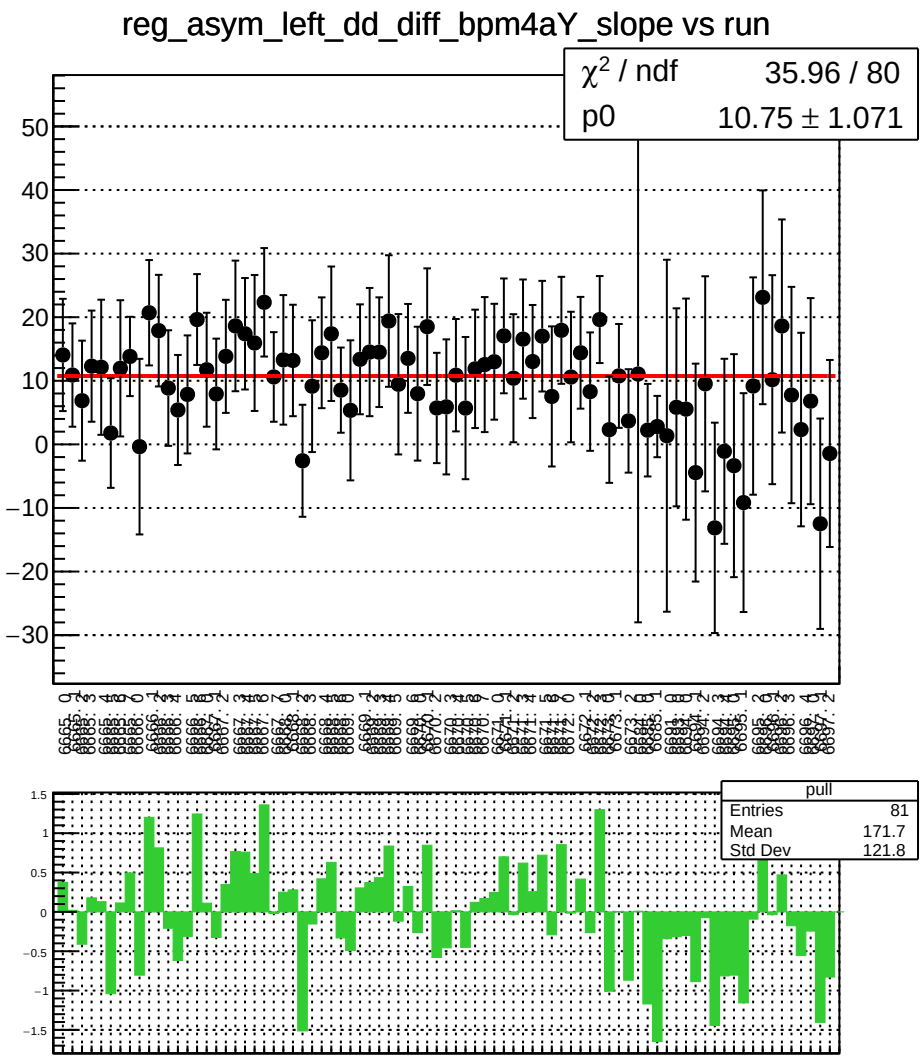

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.68 / 80
p0 1.584 ± 1.225
pull
Entries 81
Mean 236.3
Std Dev 187.9

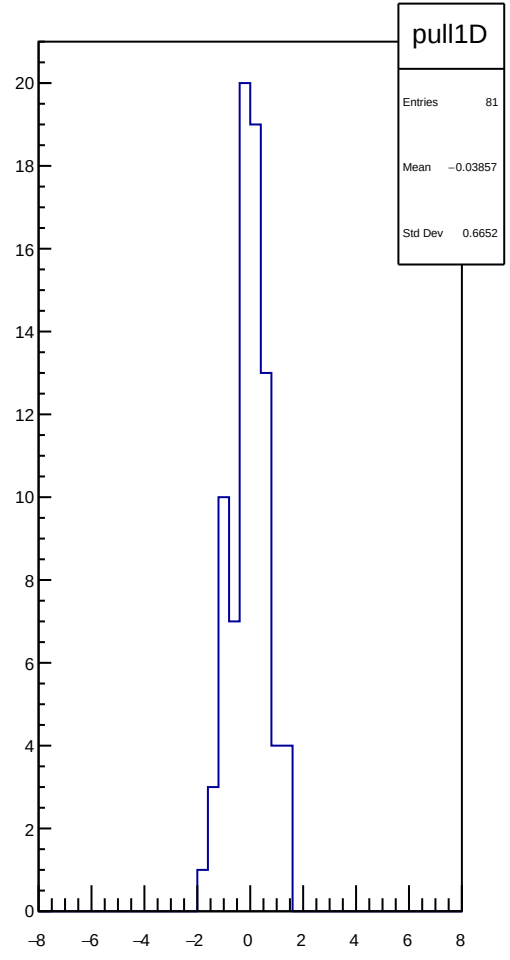

pull1D
Entries 81
Mean 0.02936
Std Dev 0.6723

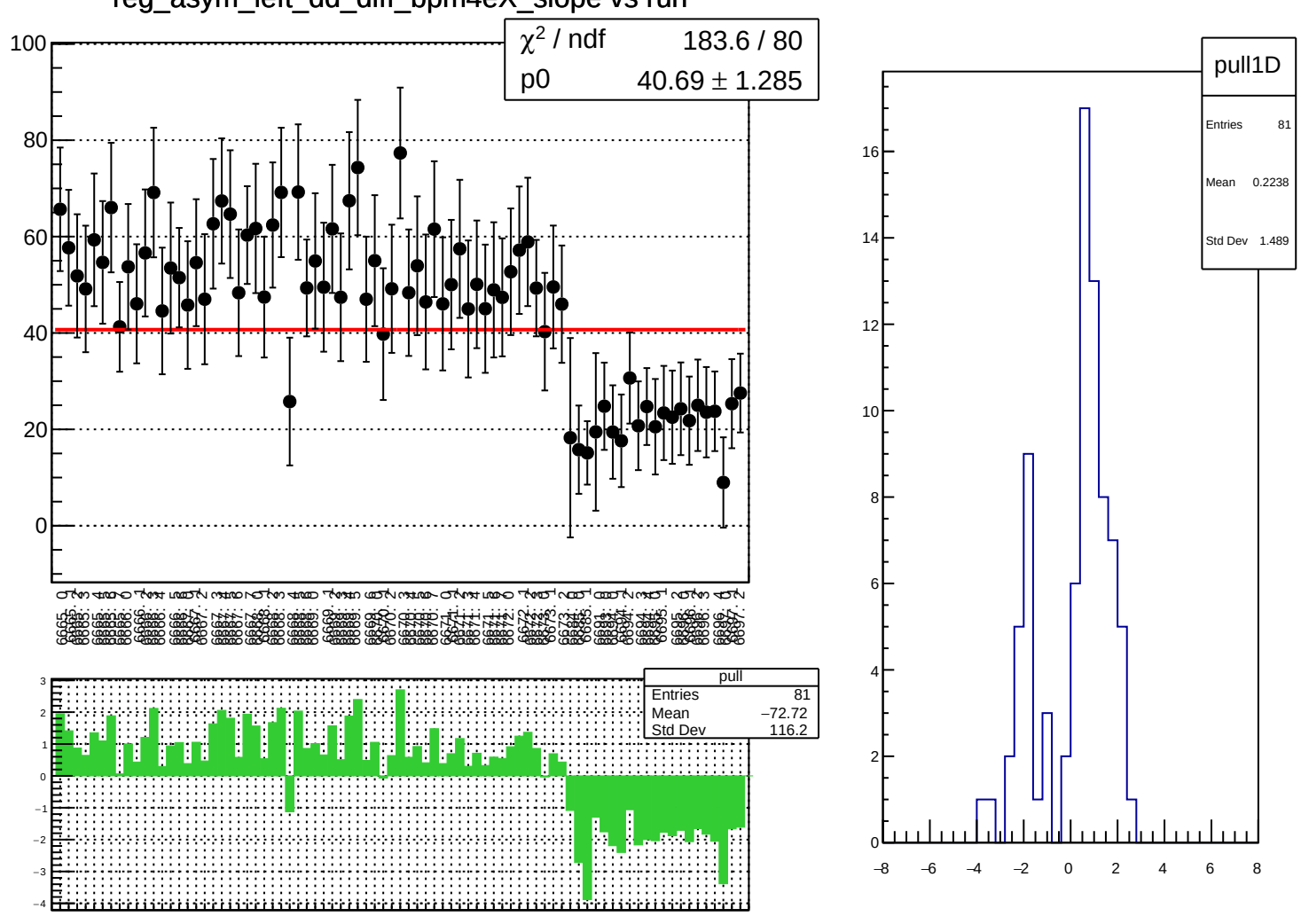

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 1.895e+04 / 80
p0 −34.08 ± 0.05094
pull
Entries 81
Mean −89.9
Std Dev 135.2
pull1D
Entries 81
Mean −7.996
Std Dev 0

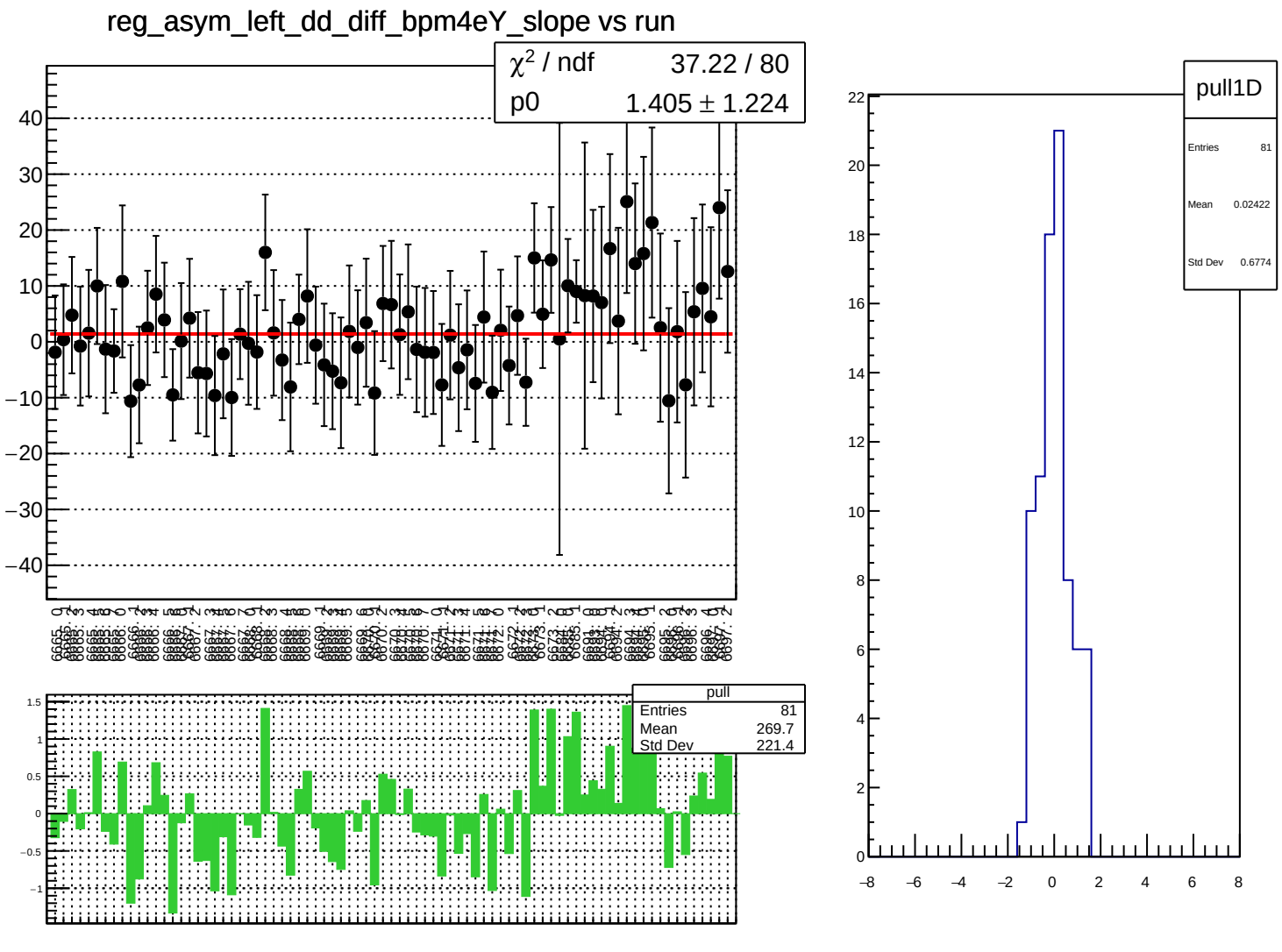

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 93.12 / 80
p0 −66.45 ± 1.239
pull
Entries 81
Mean −139.2
Std Dev 183

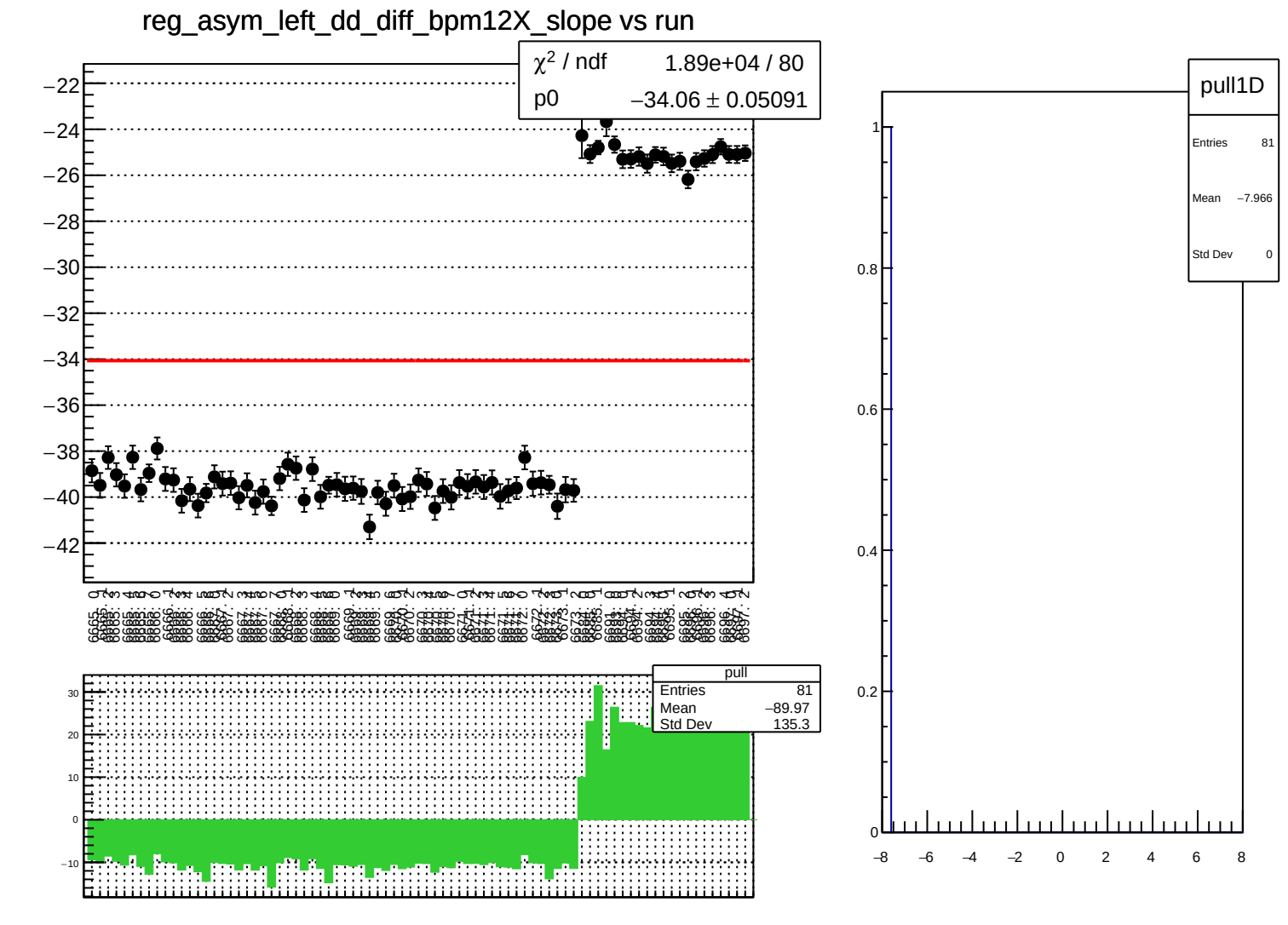

pull1D
Entries 81
Mean −0.08949
Std Dev 1.068

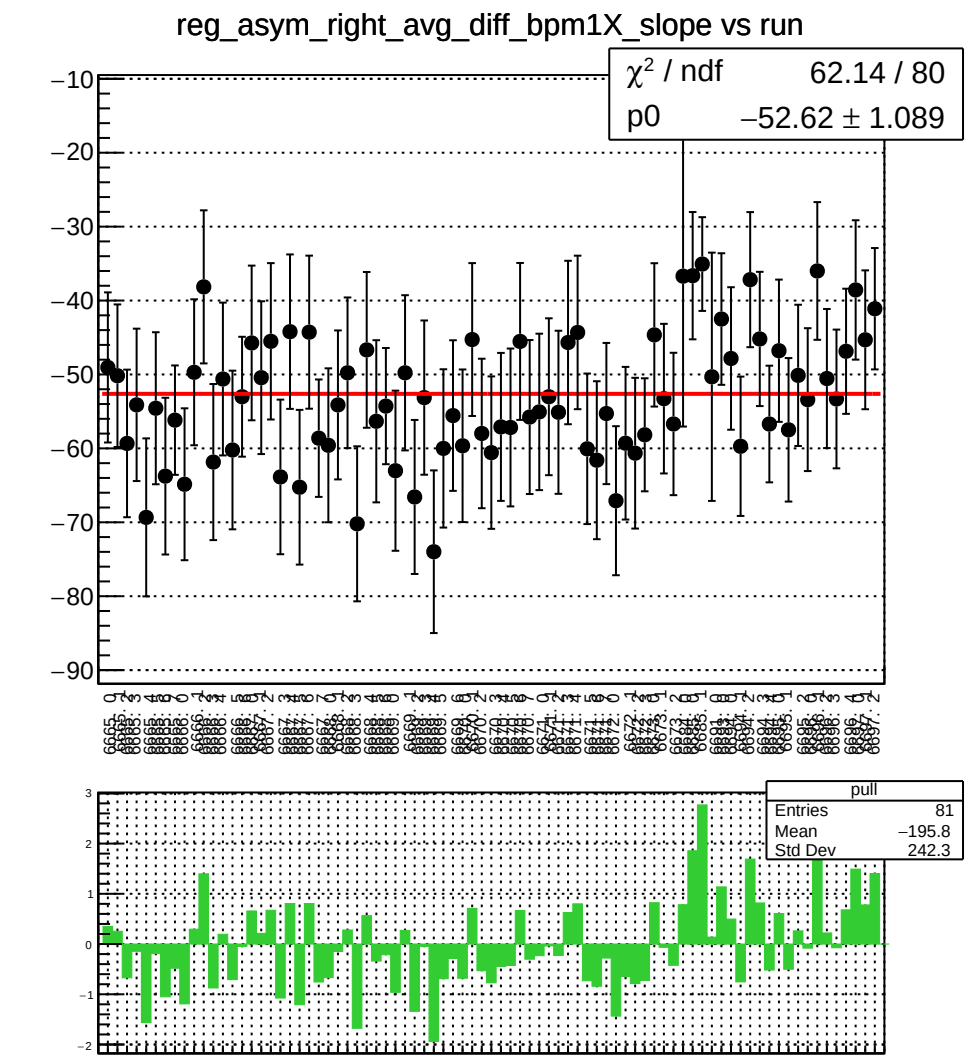

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.96 / 80
p0 10.75 ± 1.071
pull
Entries 81
Mean 171.7
Std Dev 121.8

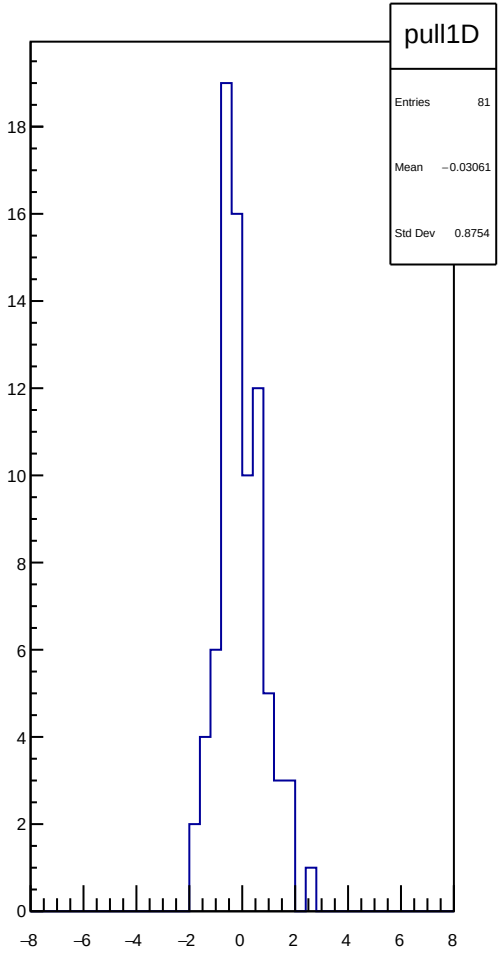

pull1D
Entries 81
Mean −0.03857
Std Dev 0.6652

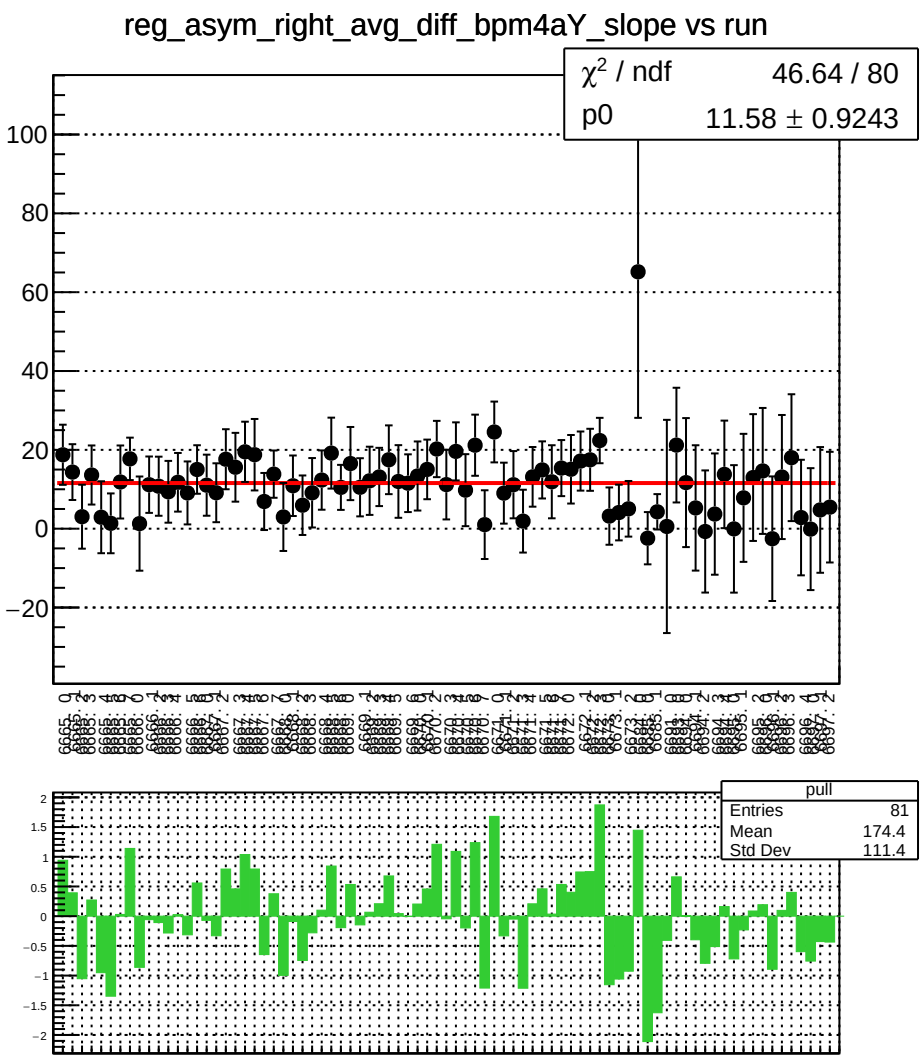

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 183.6 / 80
p0 40.69 ± 1.285
pull
Entries 81
Mean −72.72
Std Dev 116.2
pull1D
Entries 81
Mean 0.2238
Std Dev 1.489

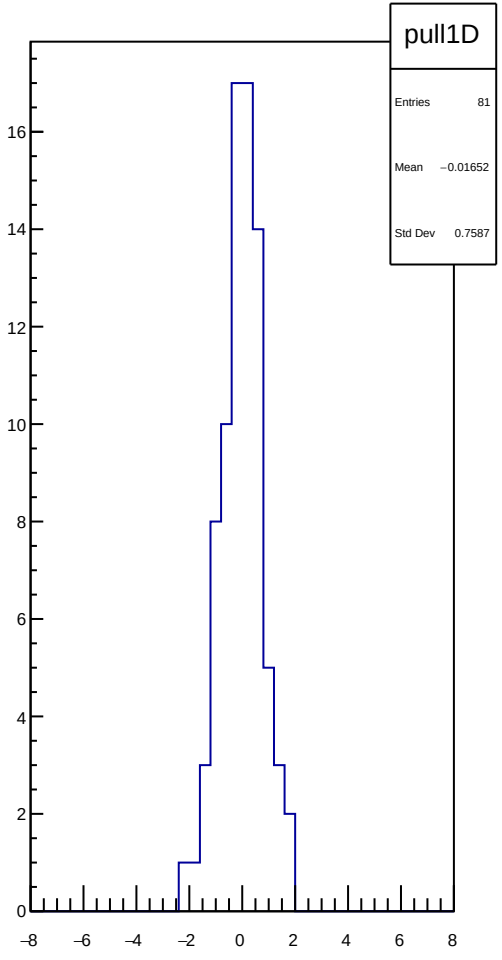

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.22 / 80
p0 1.405 ± 1.224
pull
Entries 81
Mean 269.7
Std Dev 221.4
pull1D
Entries 81
Mean 0.02422
Std Dev 0.6774

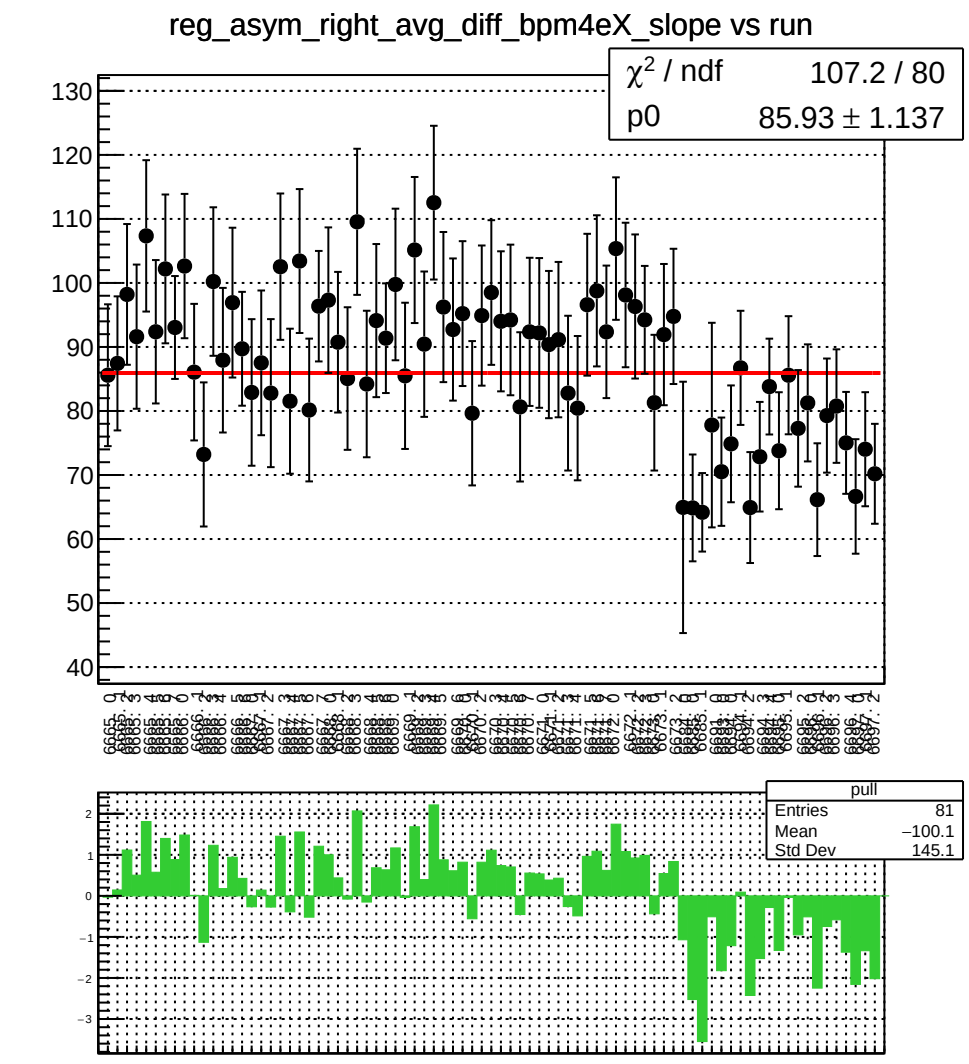

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 1.89e+04 / 80
p0 −34.06 ± 0.05091
pull
Entries 81
Mean −89.97
Std Dev 135.3
pull1D
Entries 81
Mean −7.966
Std Dev 0

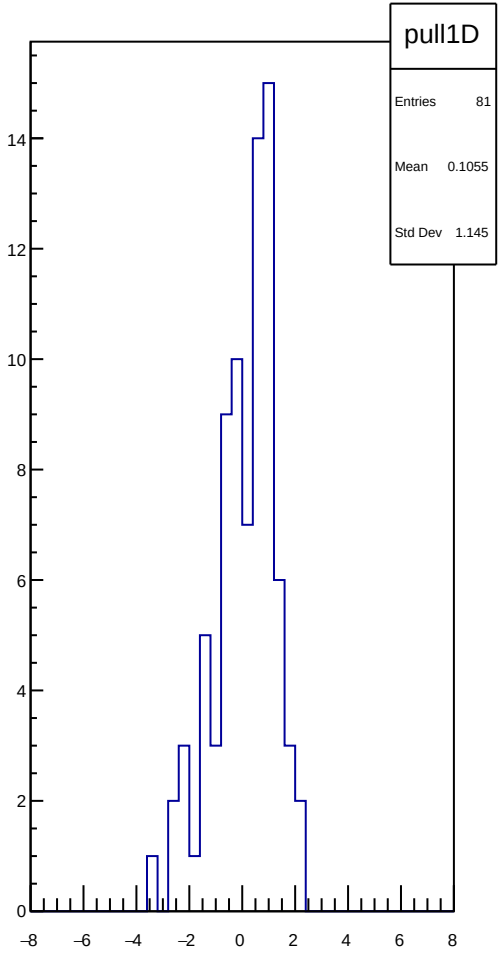

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 62.14 / 80
p0 −52.62 ± 1.089
pull
Entries 81
Mean −195.8
Std Dev 242.3

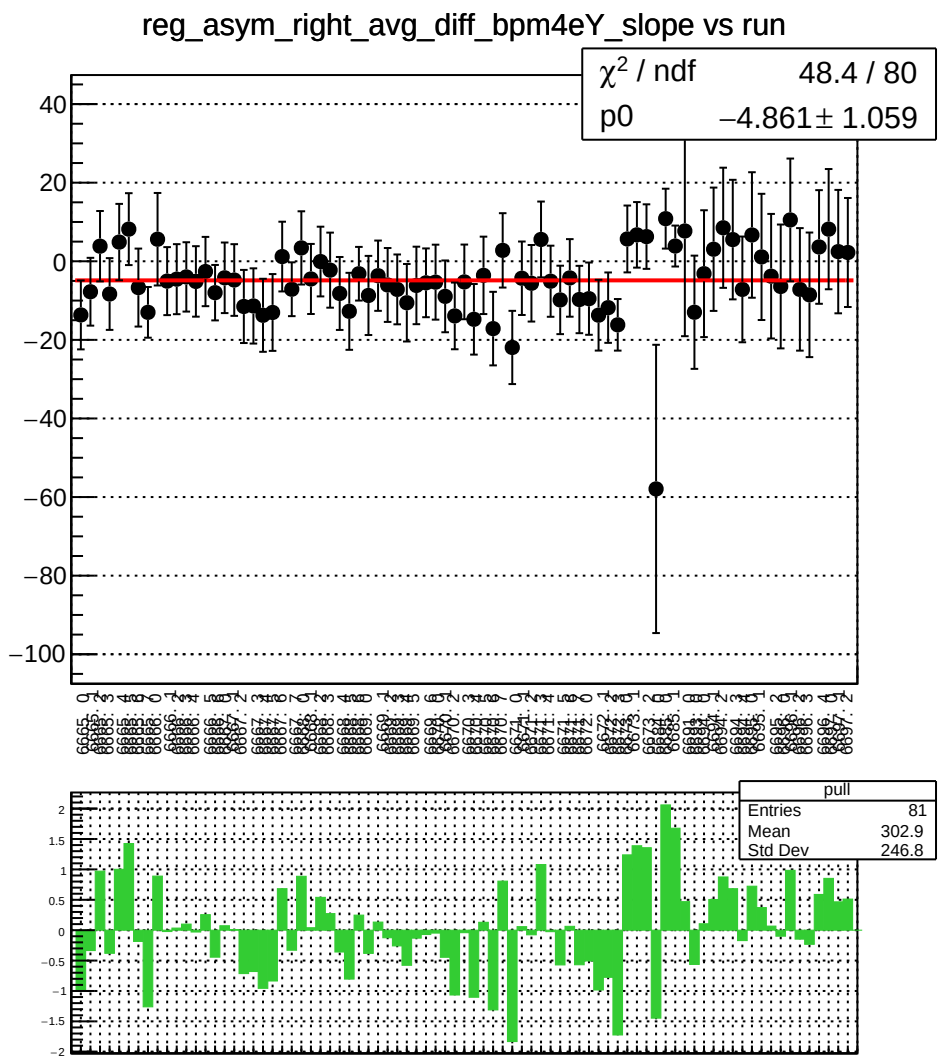

pull1D
Entries 81
Mean −0.03061
Std Dev 0.8754

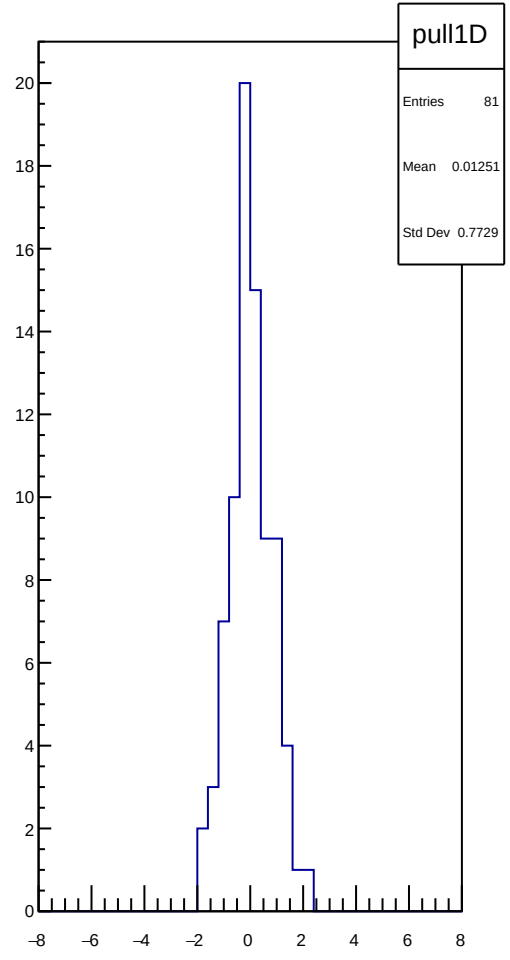

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.64 / 80
p0 11.58 ± 0.9243
pull
Entries 81
Mean 174.4
Std Dev 111.4

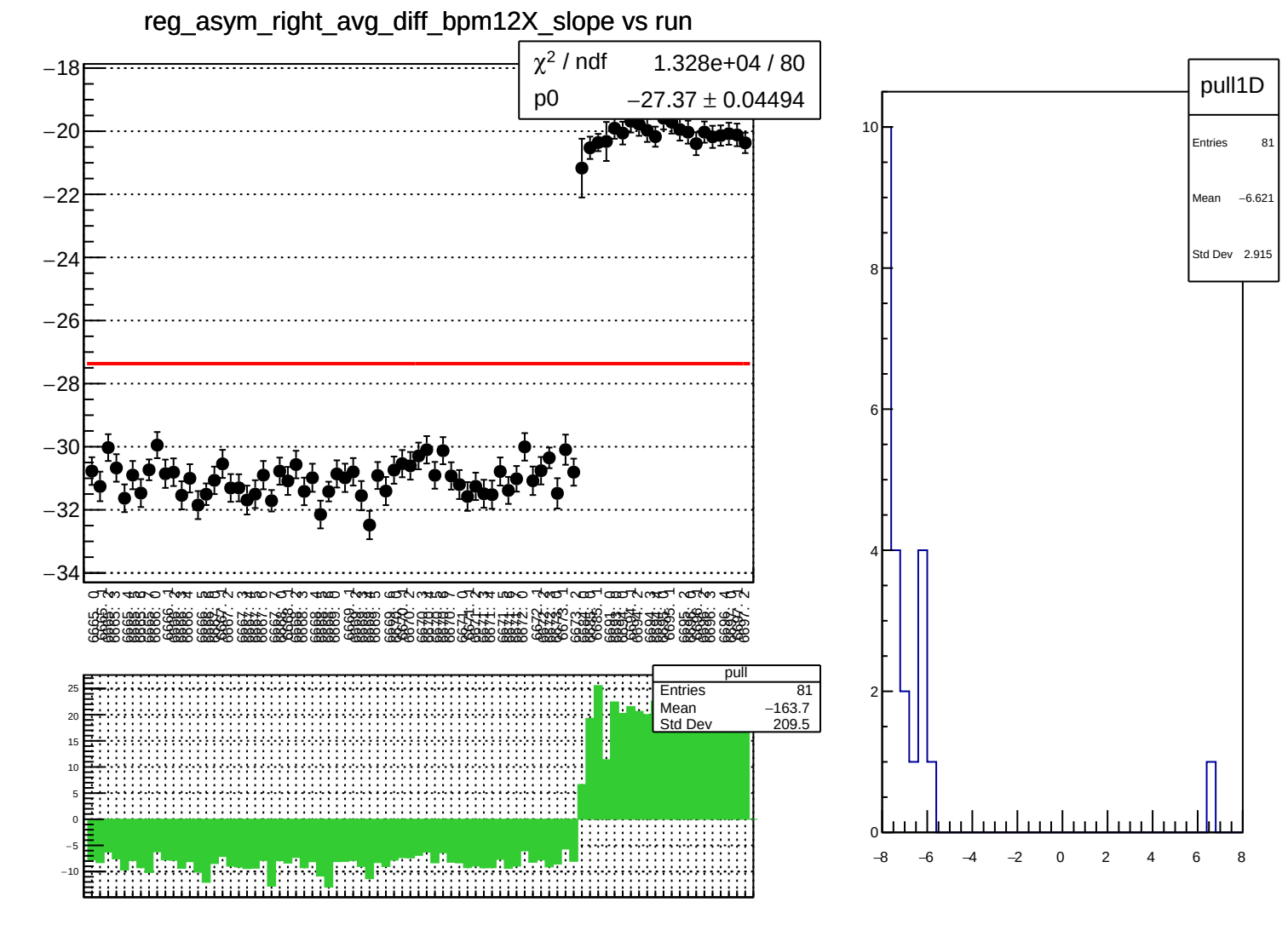

pull1D
Entries 81
Mean −0.01652
Std Dev 0.7587

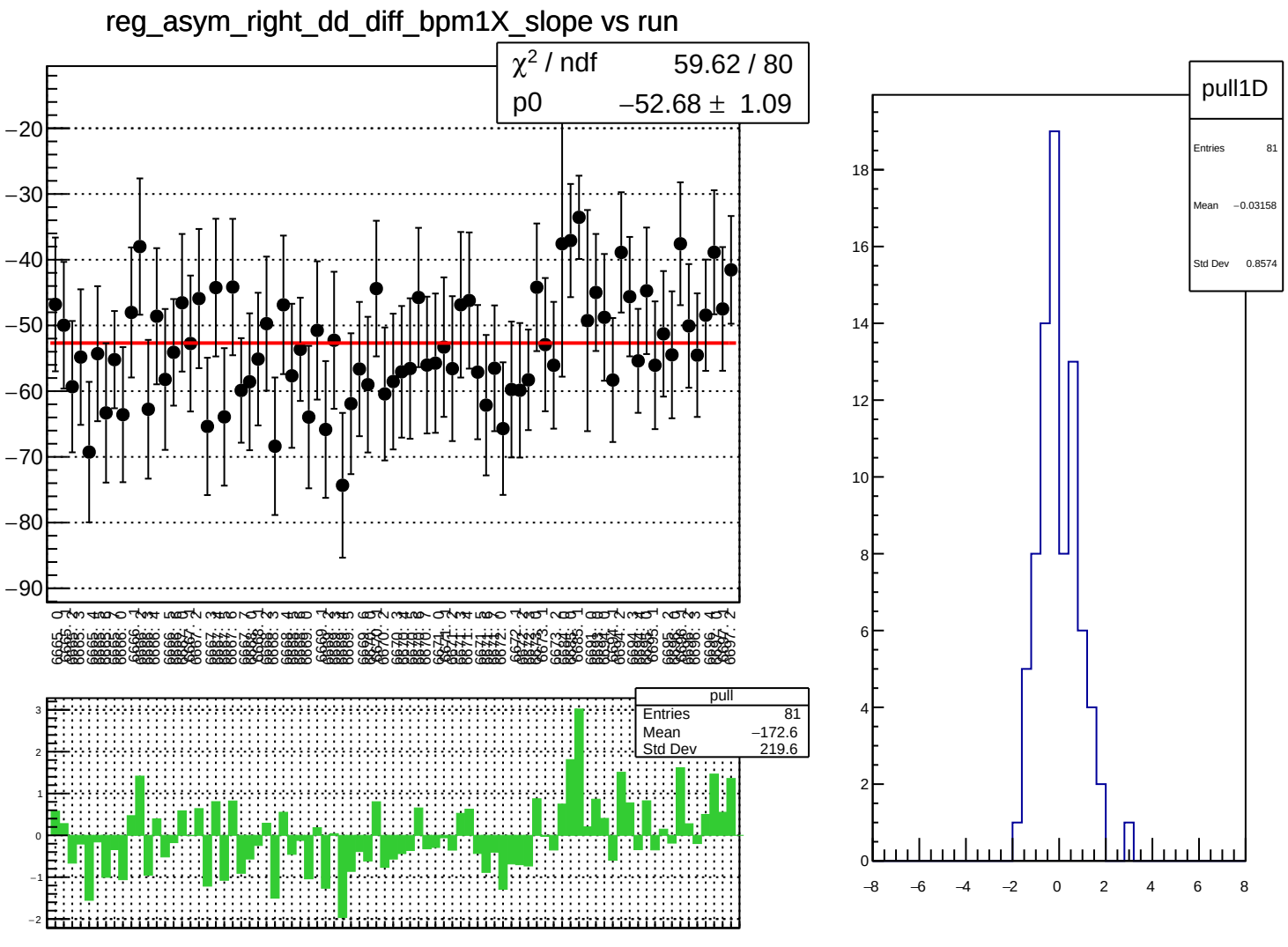

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 107.2 / 80
p0 85.93 ± 1.137
pull
Entries 81
Mean −100.1
Std Dev 145.1

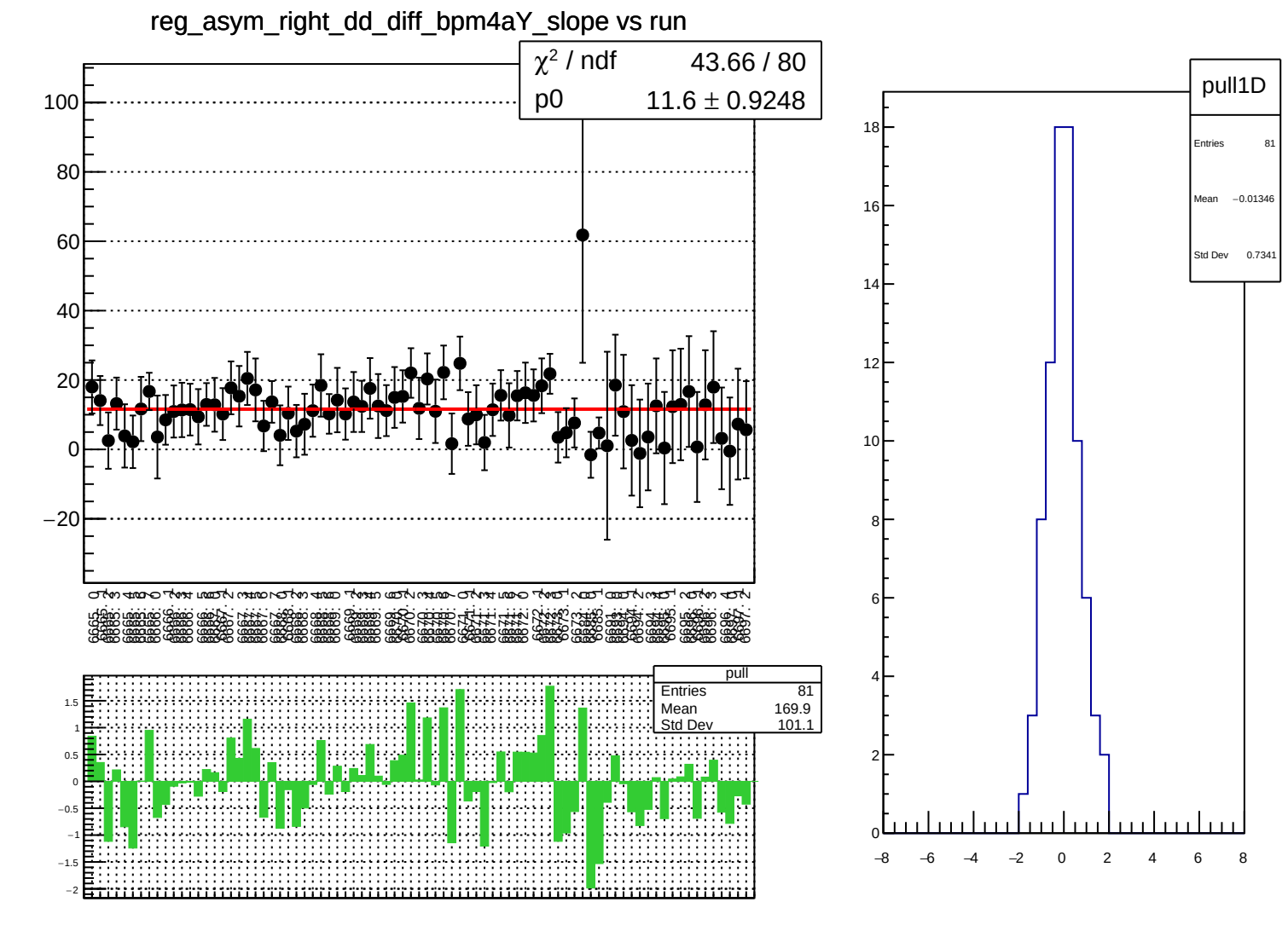

pull1D
Entries 81
Mean 0.1055
Std Dev 1.145

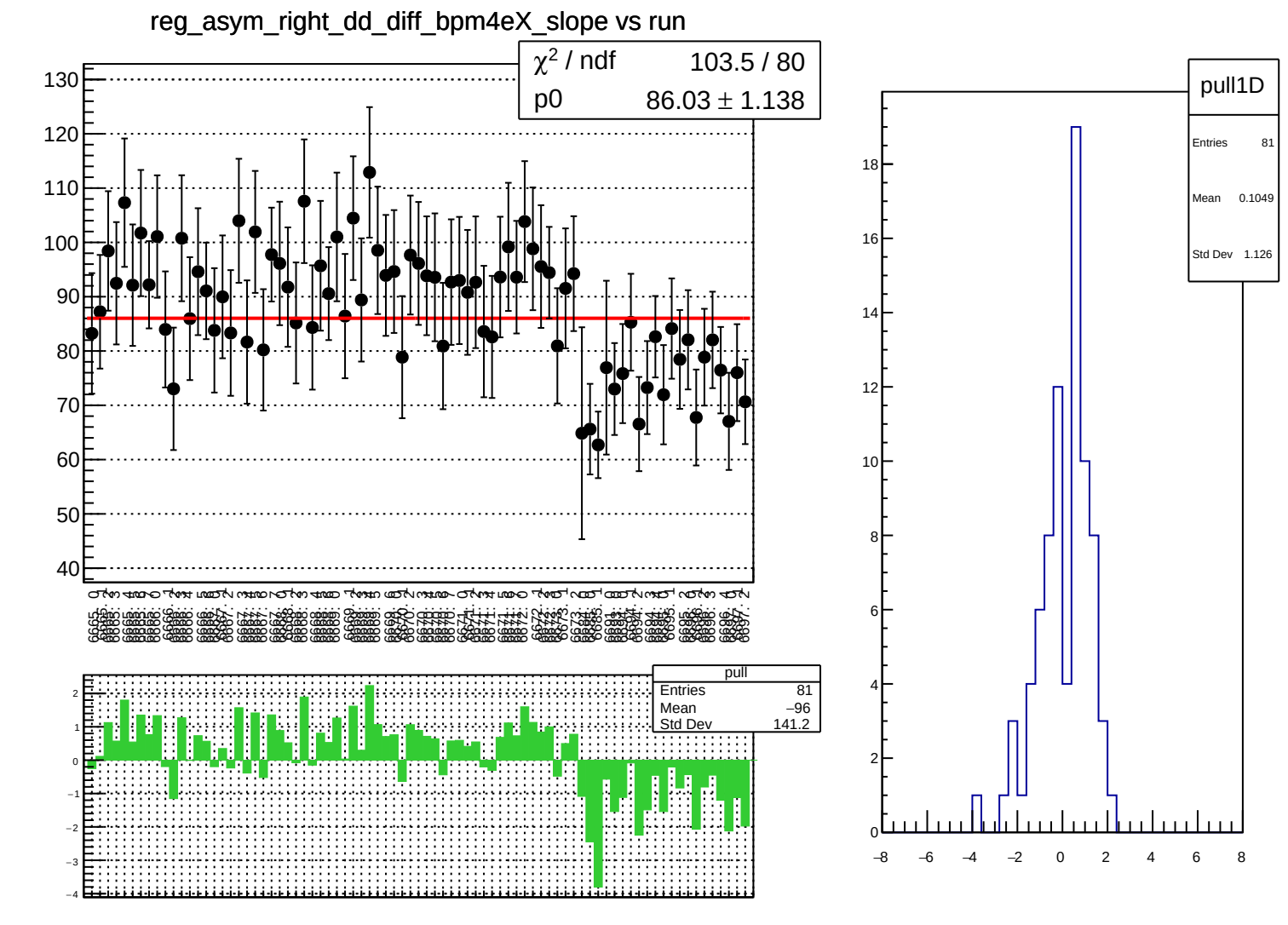

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.4 / 80
p0 −4.861± 1.059
pull
Entries 81
Mean 302.9
Std Dev 246.8

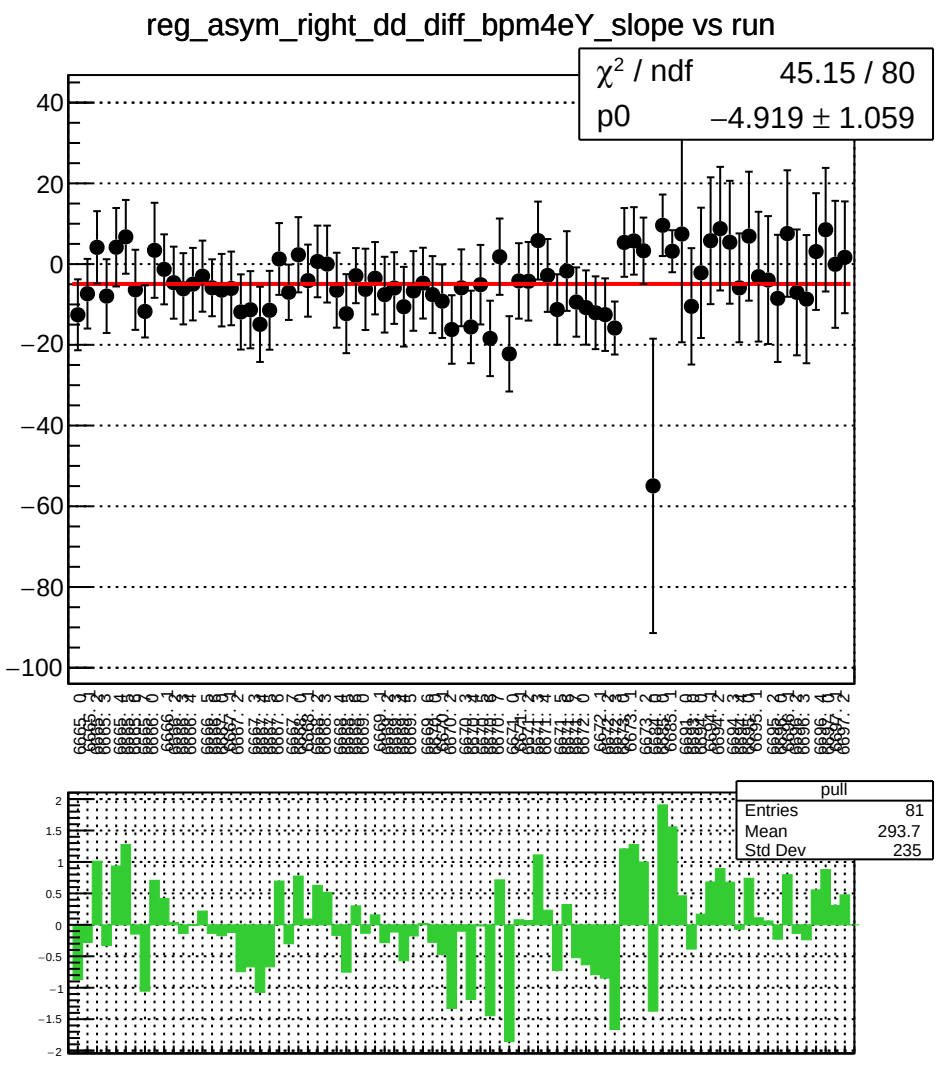

pull1D
Entries 81
Mean 0.01251
Std Dev 0.7729

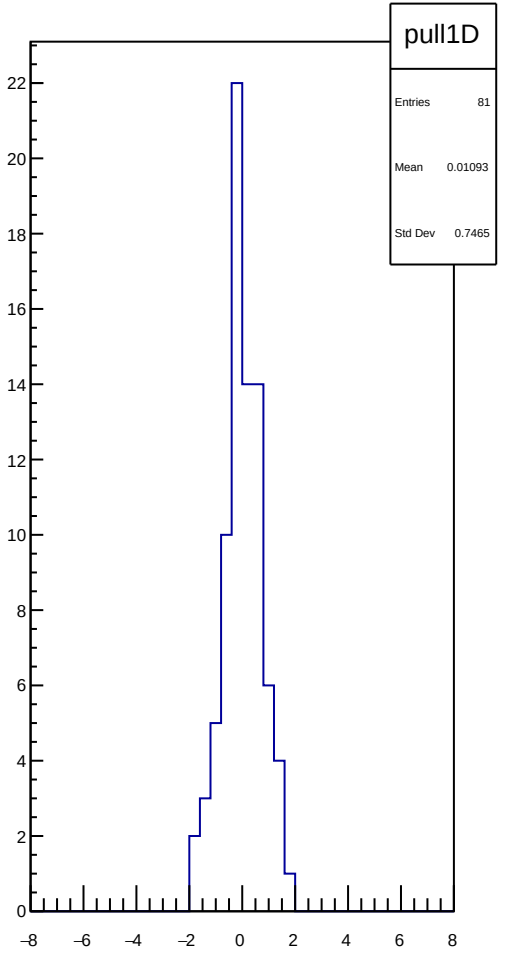

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 1.328e+04 / 80
p0 −27.37 ± 0.04494
pull
Entries 81
Mean −163.7
Std Dev 209.5
pull1D
Entries 81
Mean −6.621
Std Dev 2.915

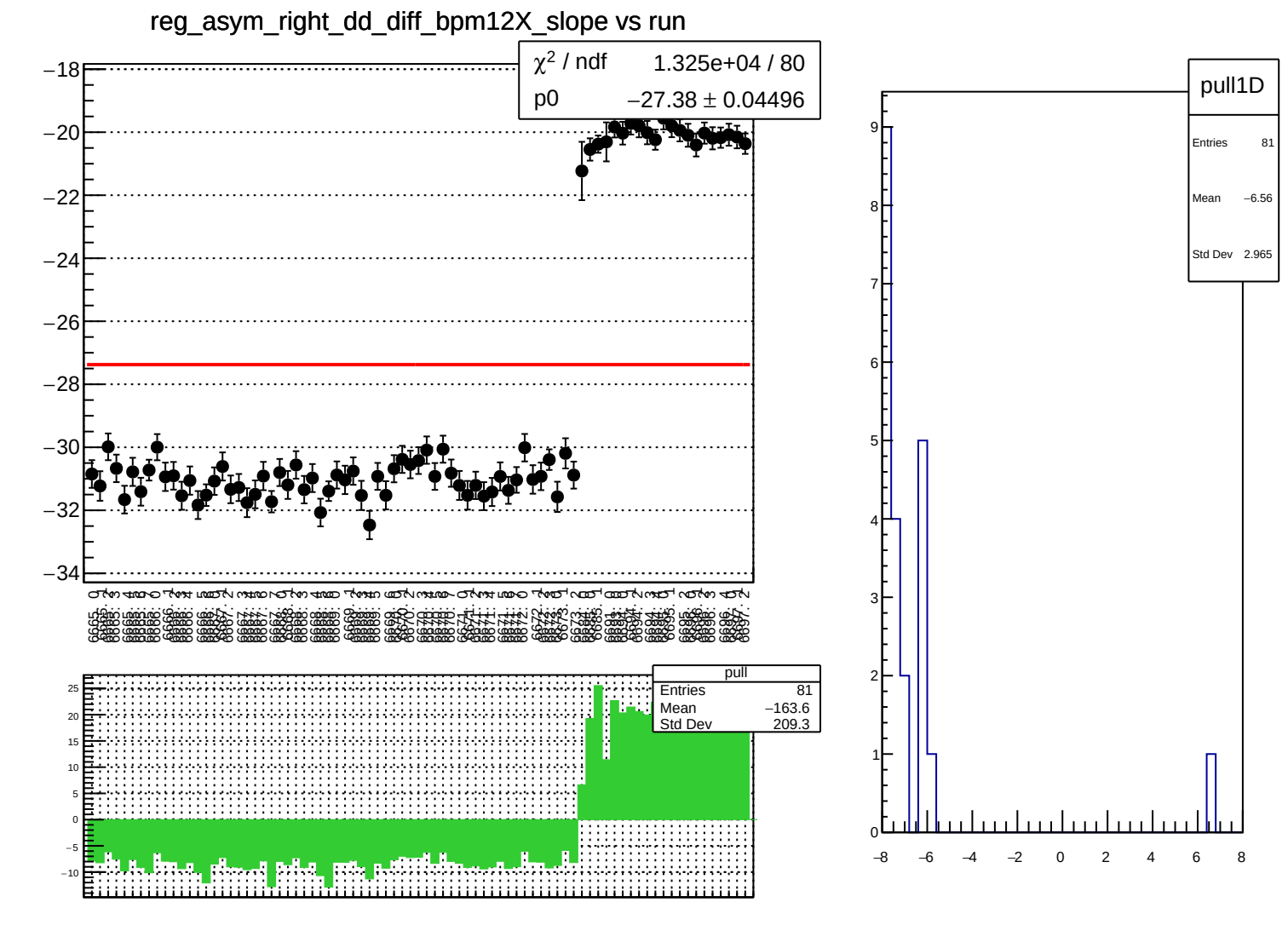

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 59.62 / 80
p0 −52.68 ± 1.09
pull
Entries 81
Mean −172.6
Std Dev 219.6
pull1D
Entries 81
Mean −0.03158
Std Dev 0.8574

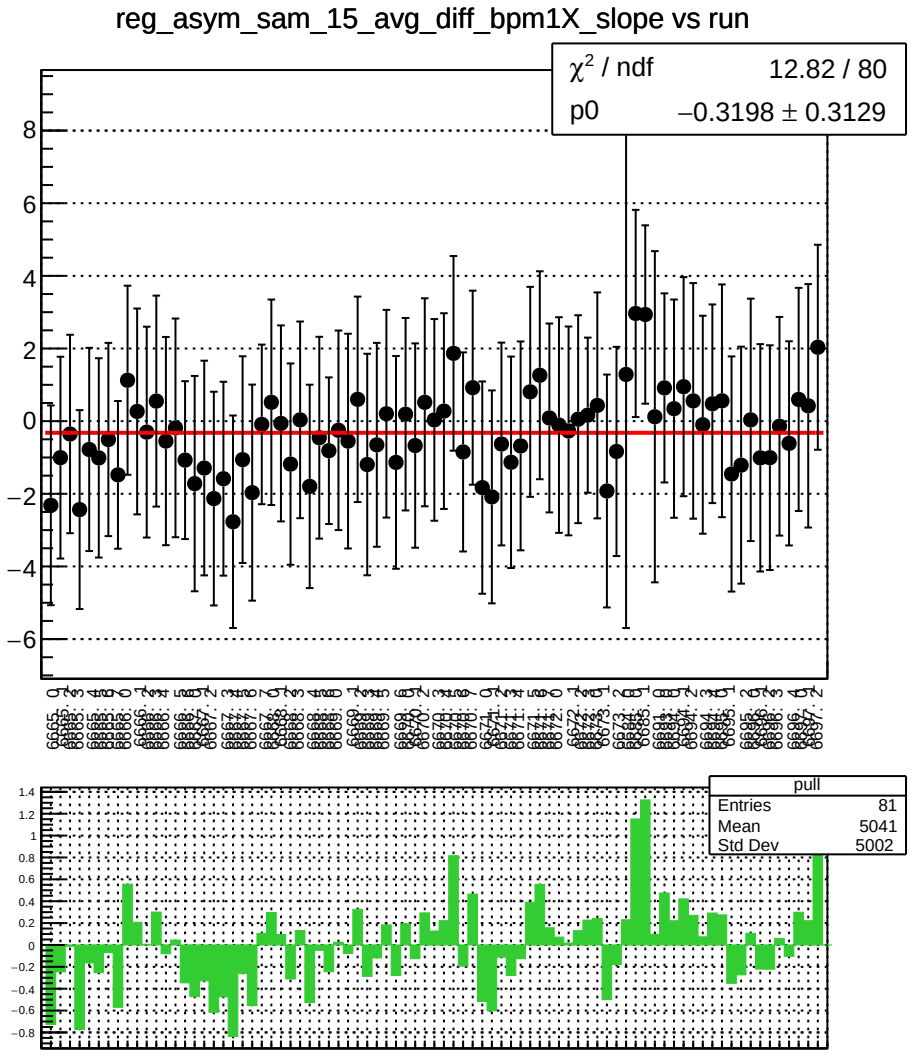

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.66 / 80
p0 11.6 ± 0.9248
pull
Entries 81
Mean 169.9
Std Dev 101.1
pull1D
Entries 81
Mean −0.01346
Std Dev 0.7341

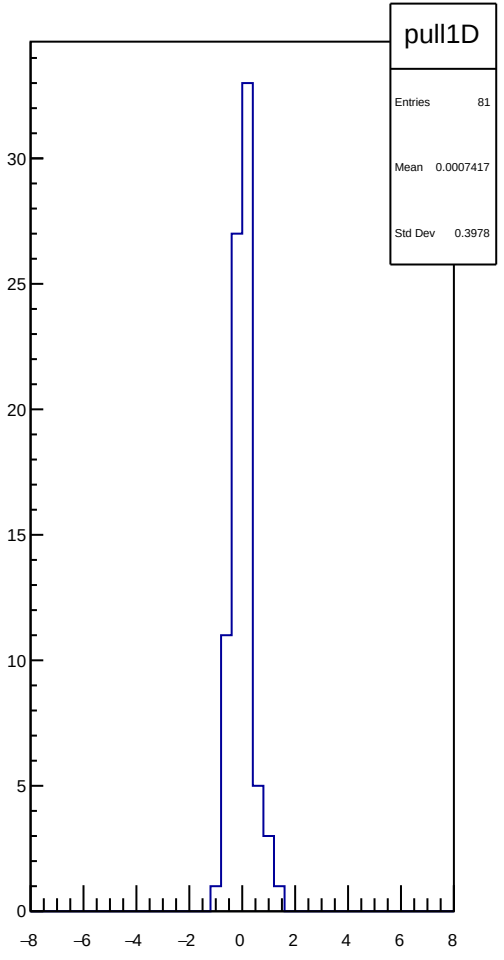

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 103.5 / 80
p0 86.03 ± 1.138
pull
Entries 81
Mean −96
Std Dev 141.2
pull1D
Entries 81
Mean 0.1049
Std Dev 1.126

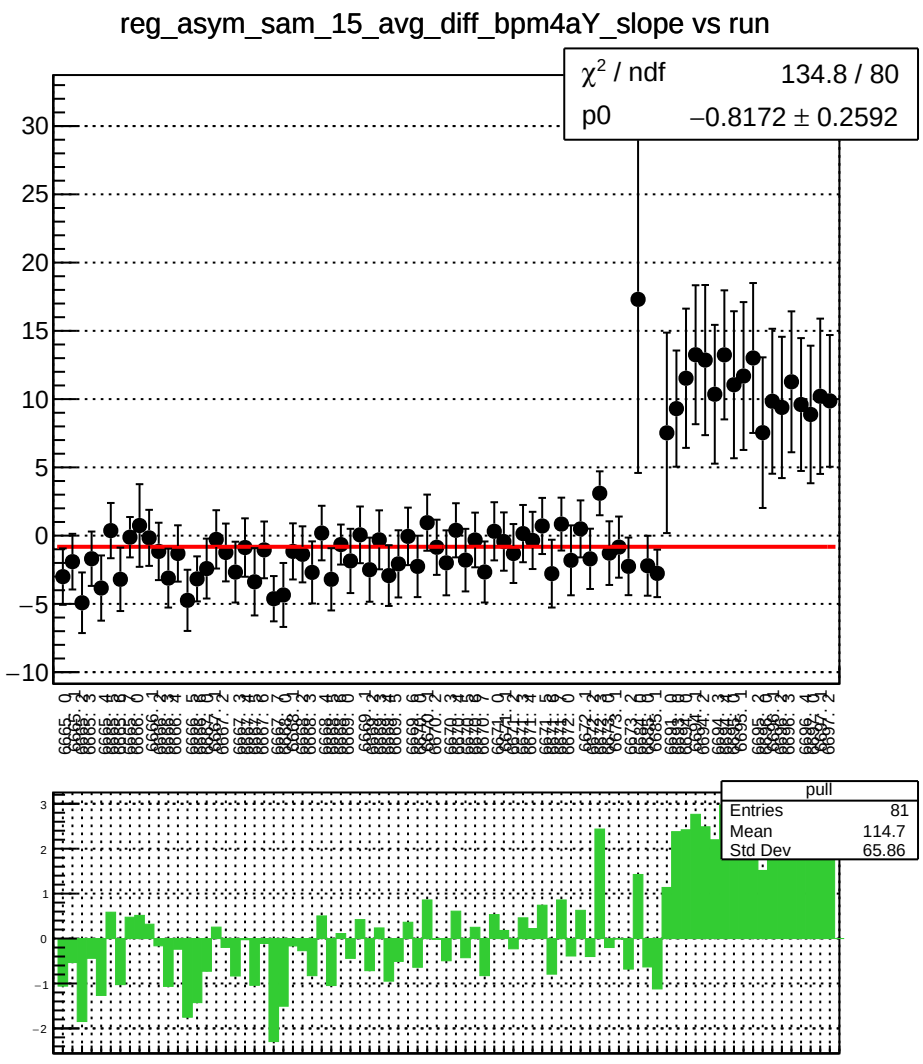

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.15 / 80
p0 −4.919 ± 1.059
pull
Entries 81
Mean 293.7
Std Dev 235

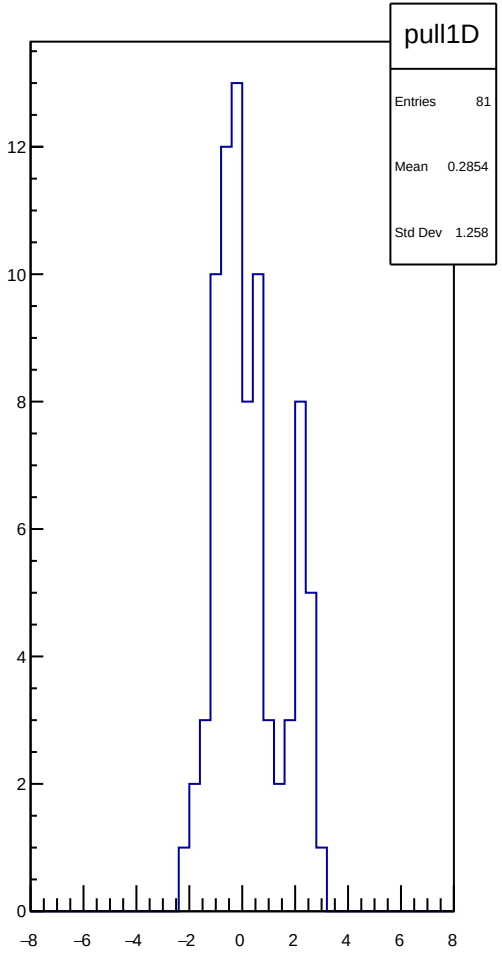

pull1D
Entries 81
Mean 0.01093
Std Dev 0.7465

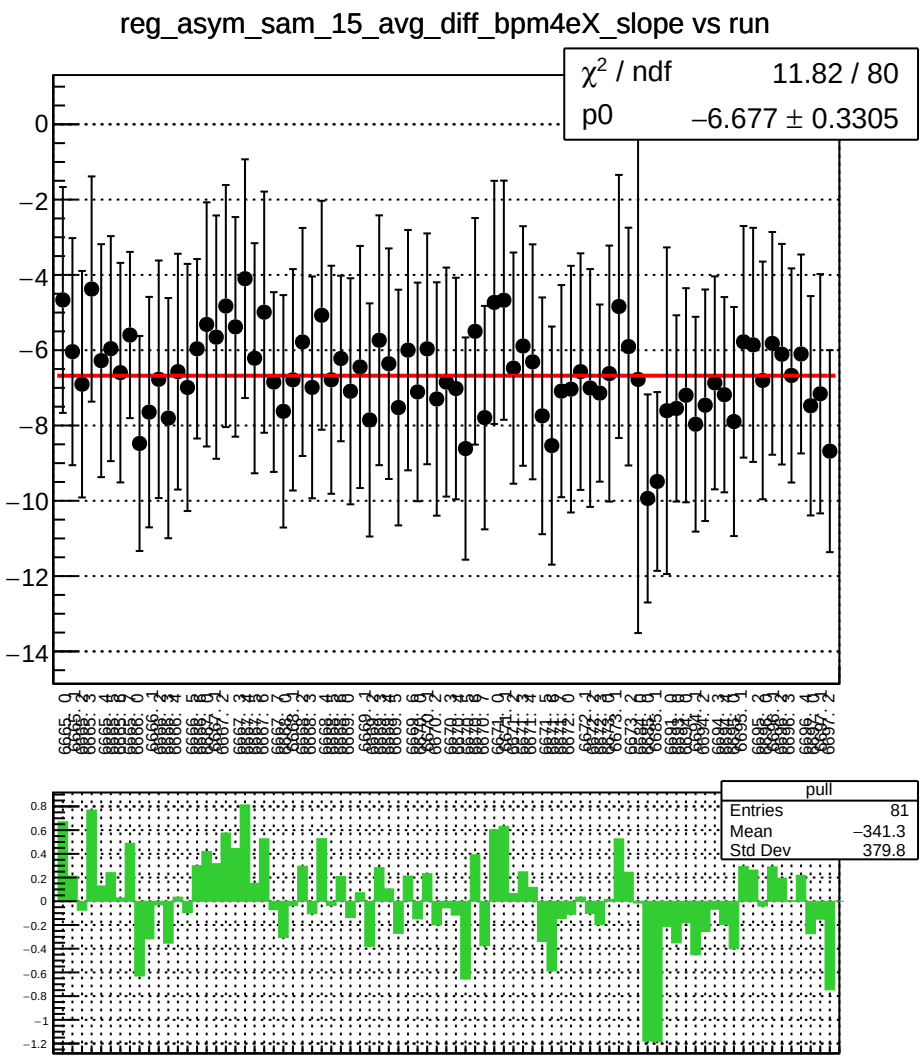

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 1.325e+04 / 80
p0 −27.38 ± 0.04496
pull
Entries 81
Mean −163.6
Std Dev 209.3
pull1D
Entries 81
Mean −6.56
Std Dev 2.965

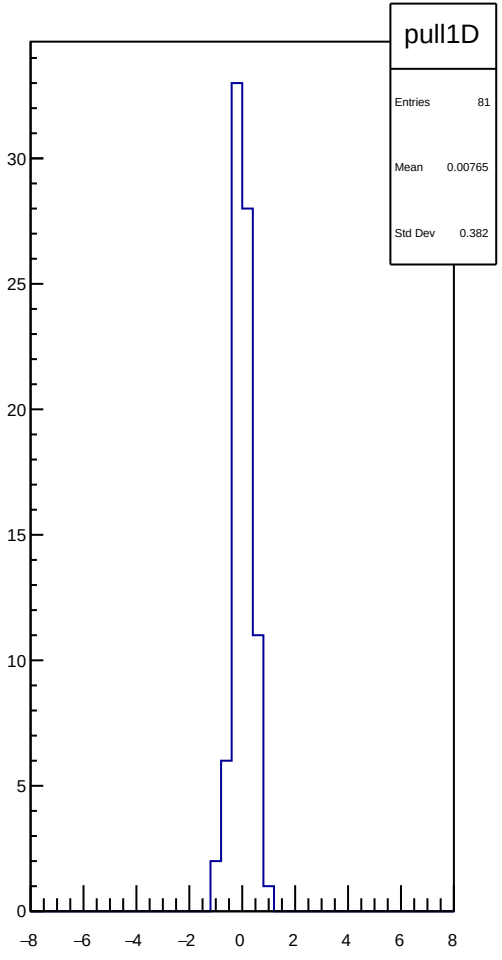

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 12.82 / 80
p0 −0.3198 ± 0.3129
pull
Entries 81
Mean 5041
Std Dev 5002

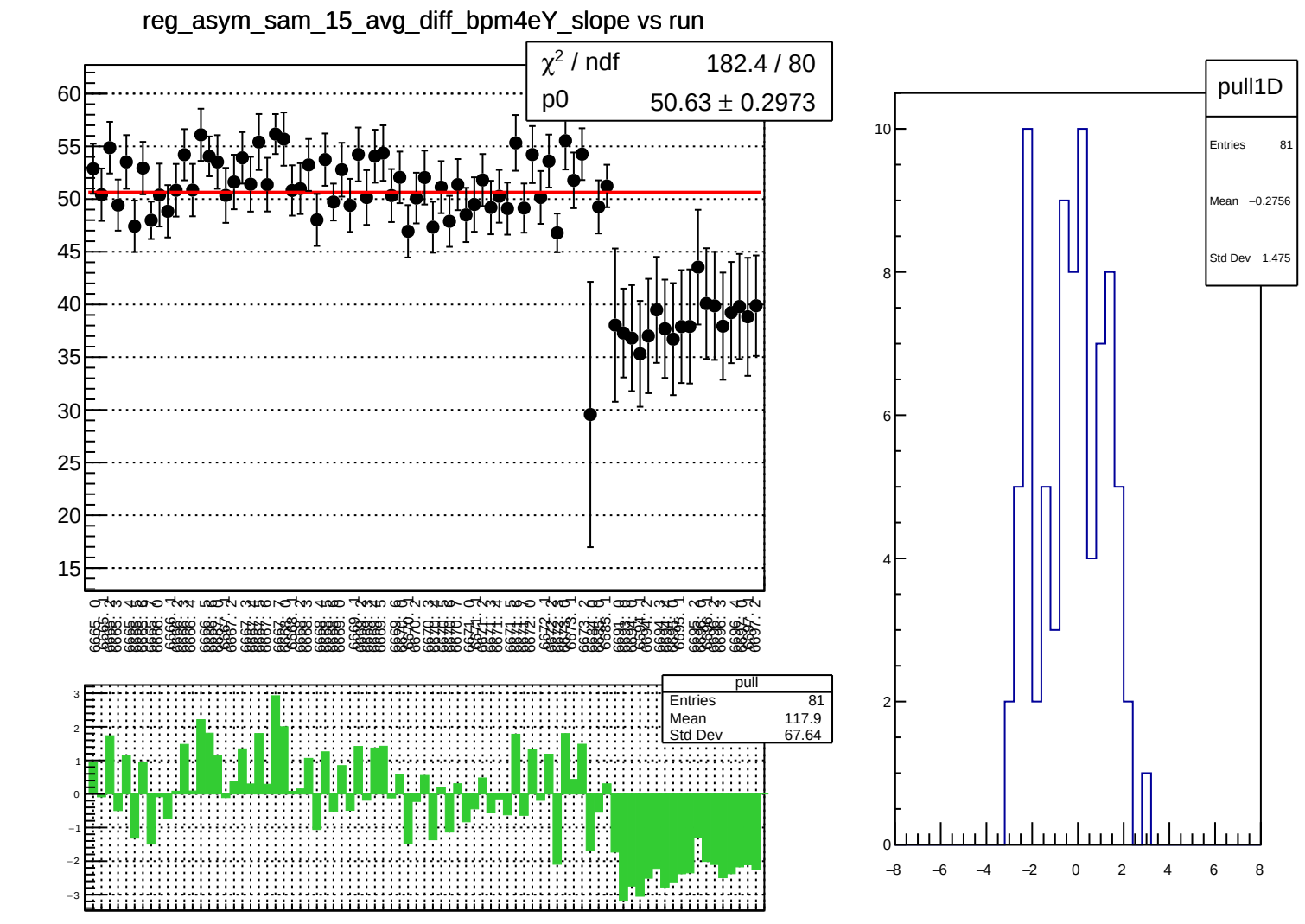

pull1D
Entries 81
Mean 0.0007417
Std Dev 0.3978

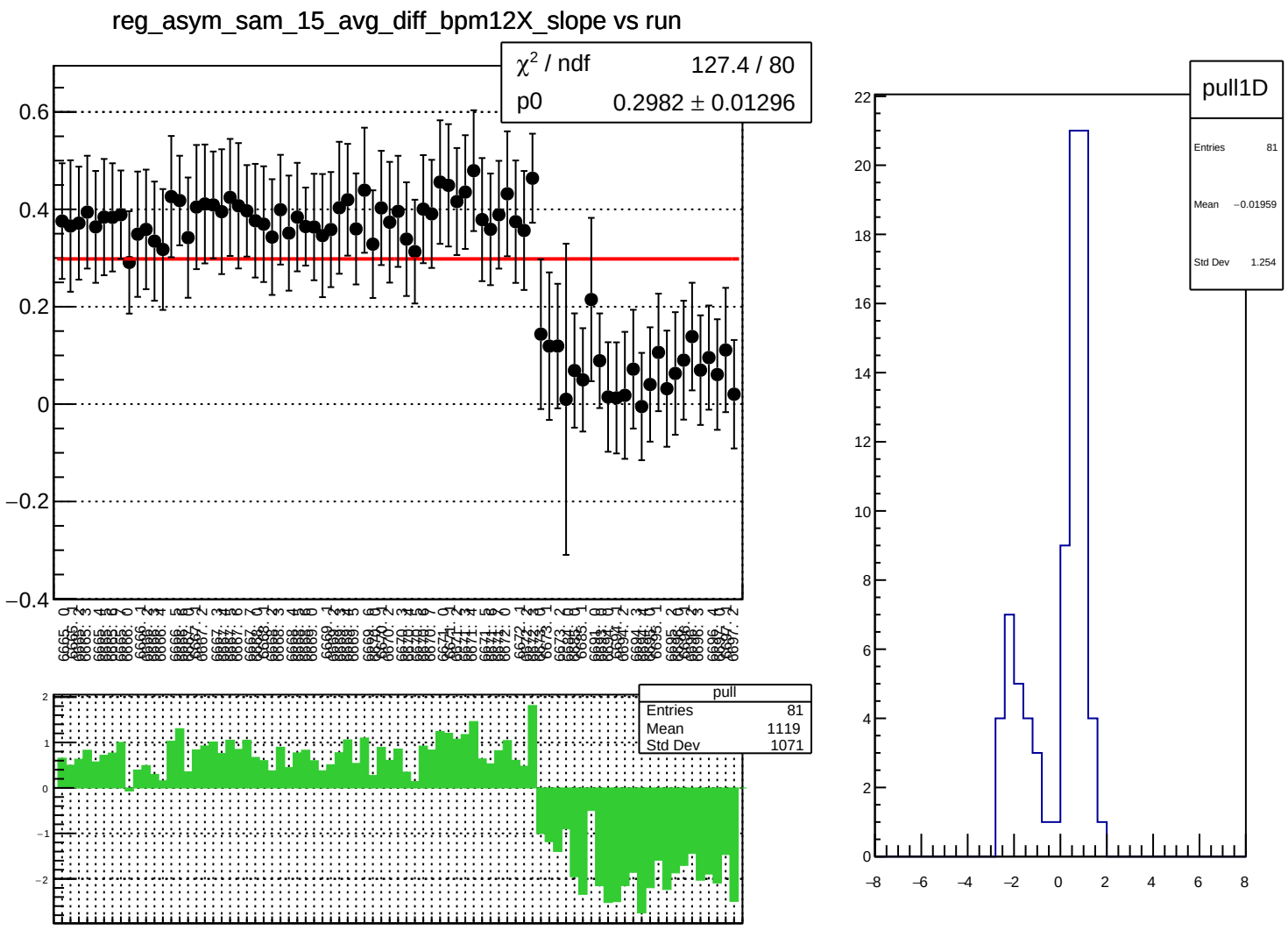

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 134.8 / 80
p0 −0.8172 ± 0.2592
pull
Entries 81
Mean 114.7
Std Dev 65.86

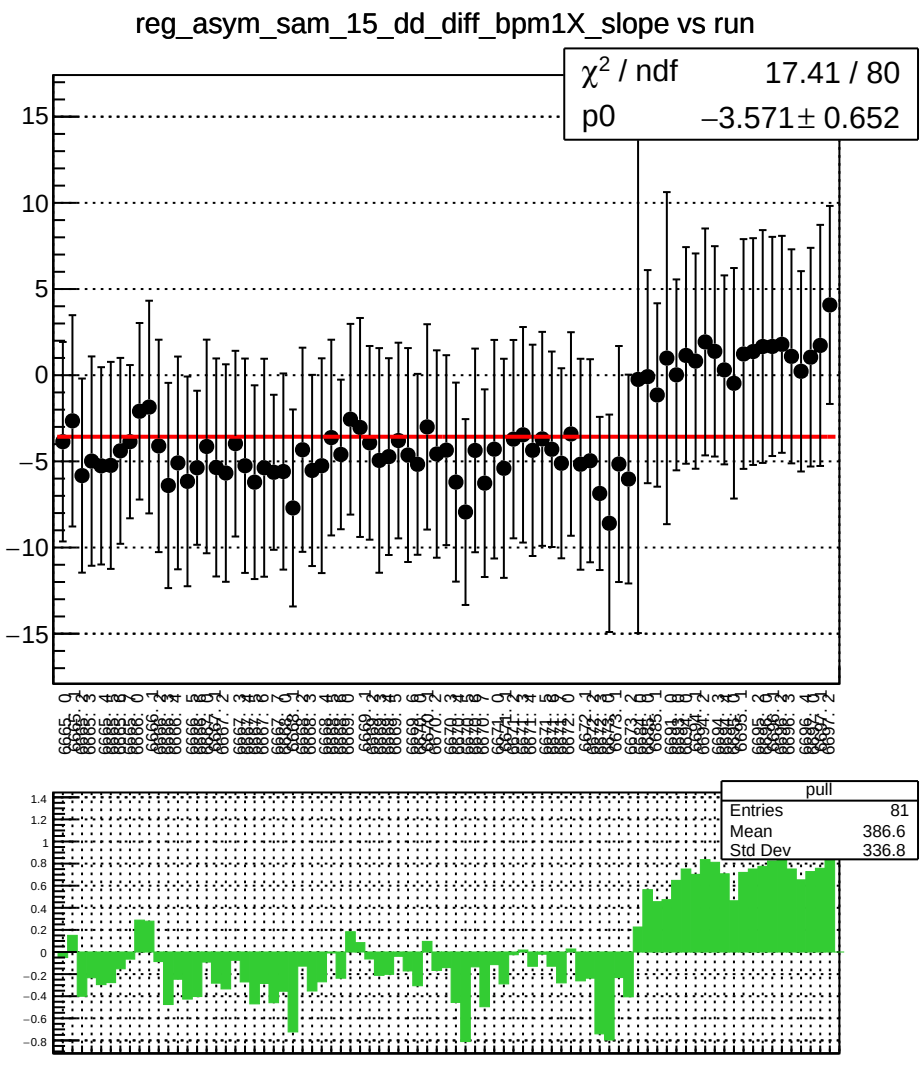

pull1D
Entries 81
Mean 0.2854
Std Dev 1.258

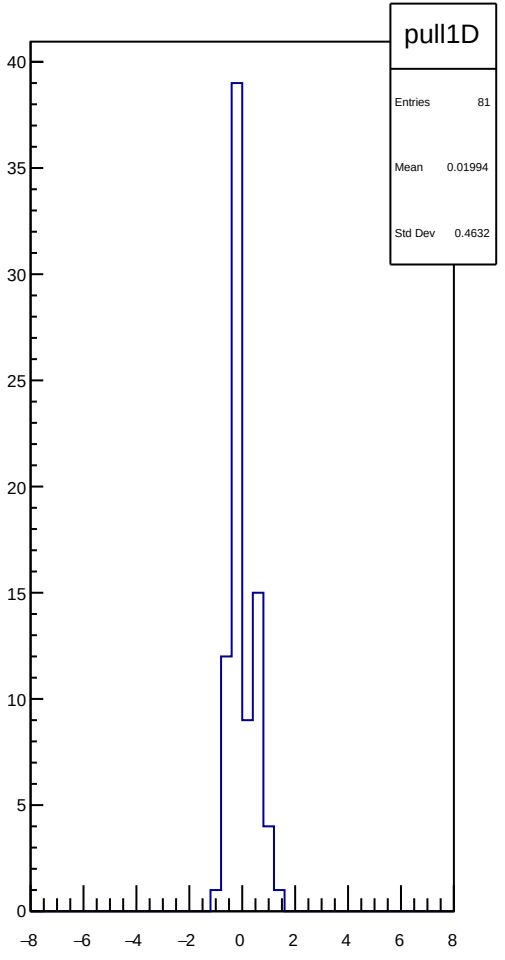

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.82 / 80
p0 −6.677 ± 0.3305
pull
Entries 81
Mean −341.3
Std Dev 379.8

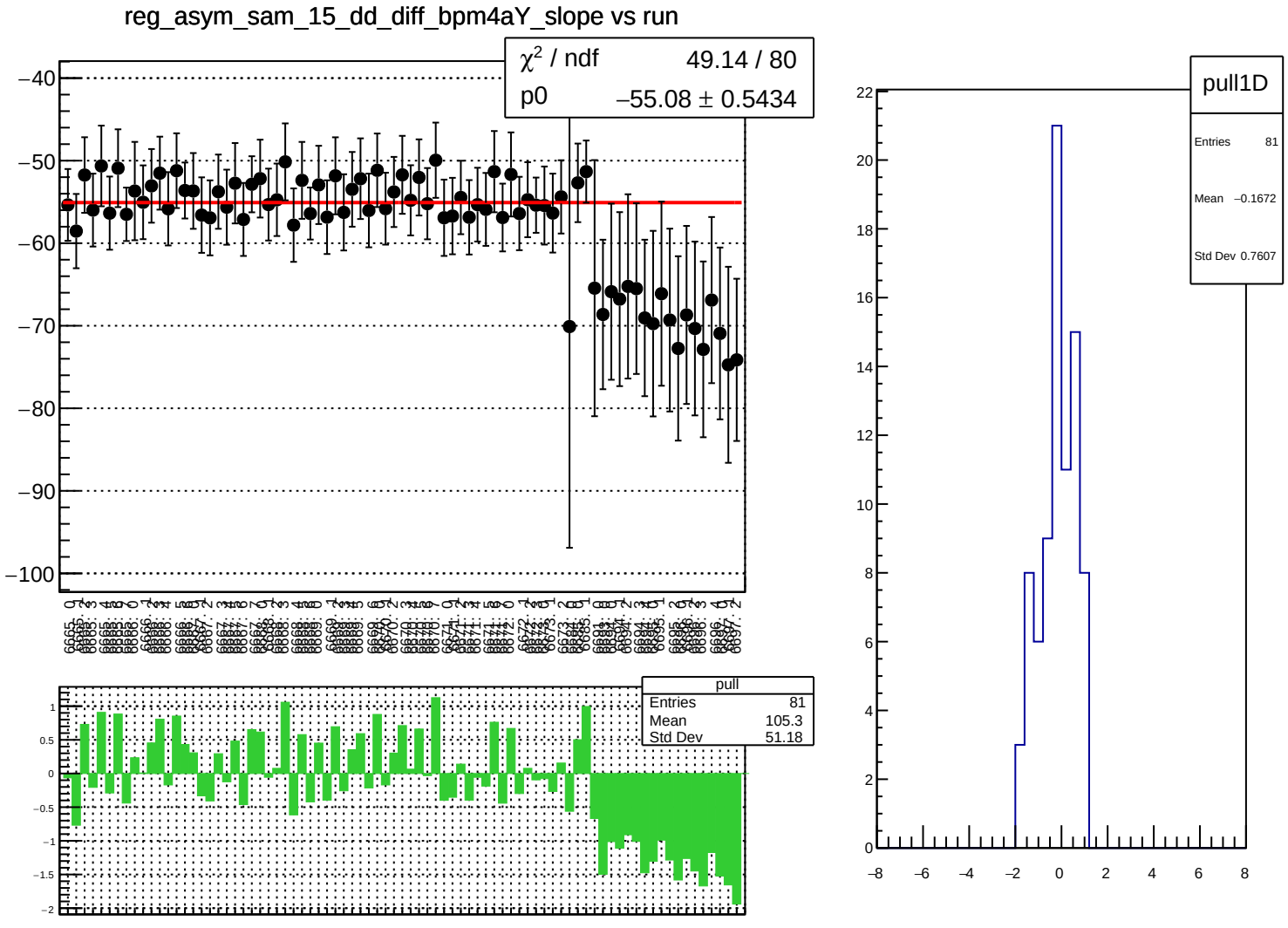

pull1D
Entries 81
Mean 0.00765
Std Dev 0.382

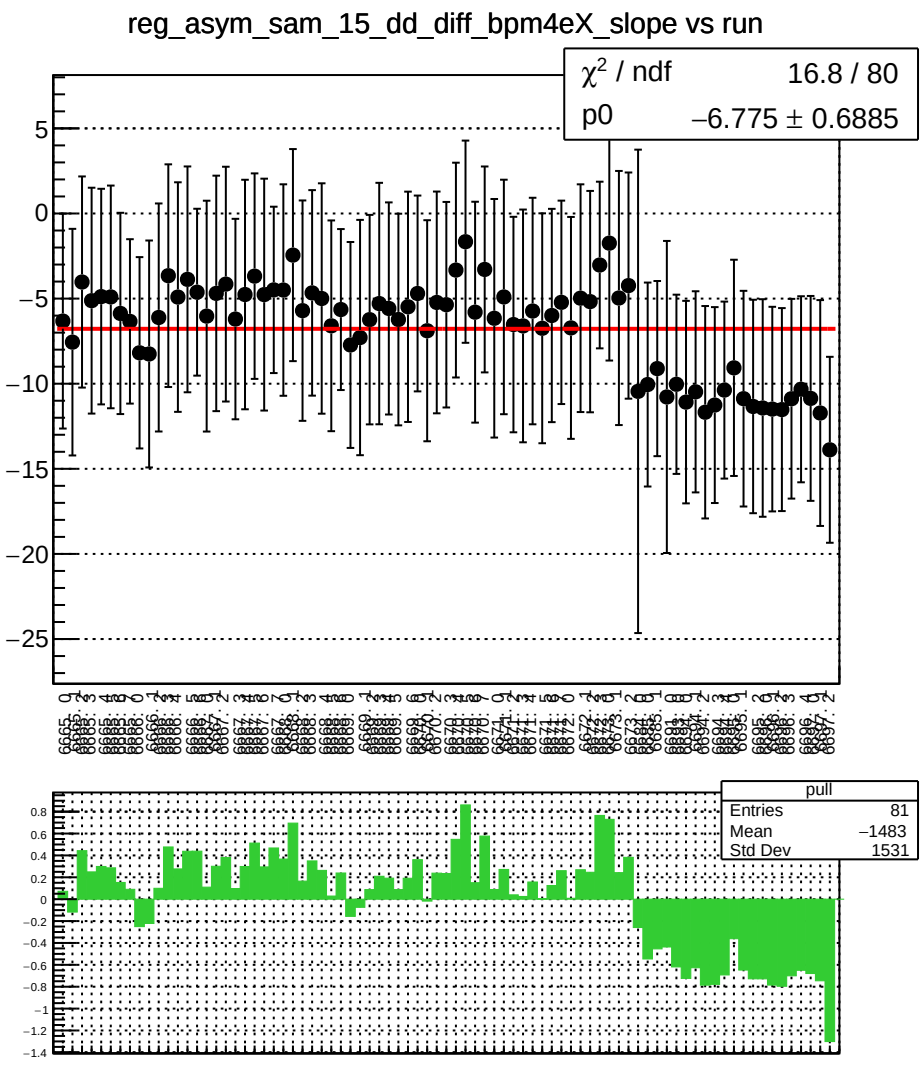

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 182.4 / 80
p0 50.63 ± 0.2973
pull
Entries 81
Mean 117.9
Std Dev 67.64
pull1D
Entries 81
Mean −0.2756
Std Dev 1.475

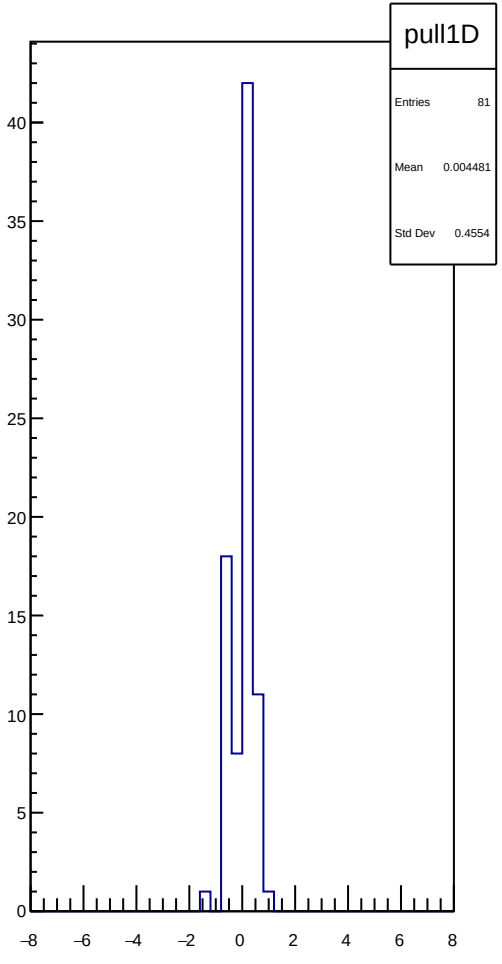

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 127.4 / 80
p0 0.2982 ± 0.01296
pull
Entries 81
Mean 1119
Std Dev 1071
pull1D
Entries 81
Mean −0.01959
Std Dev 1.254

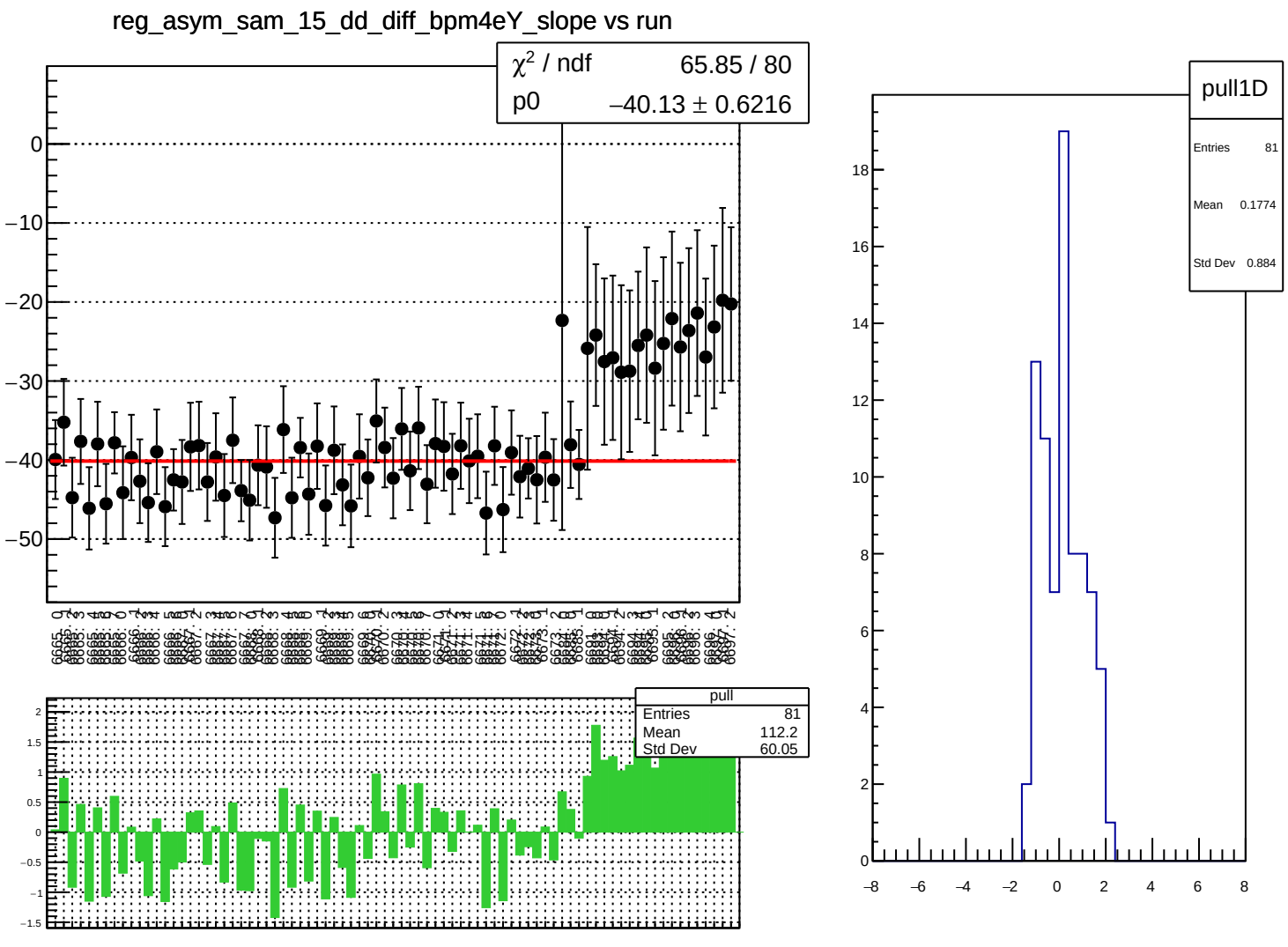

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 17.41 / 80
p0 −3.571± 0.652
pull
Entries 81
Mean 386.6
Std Dev 336.8

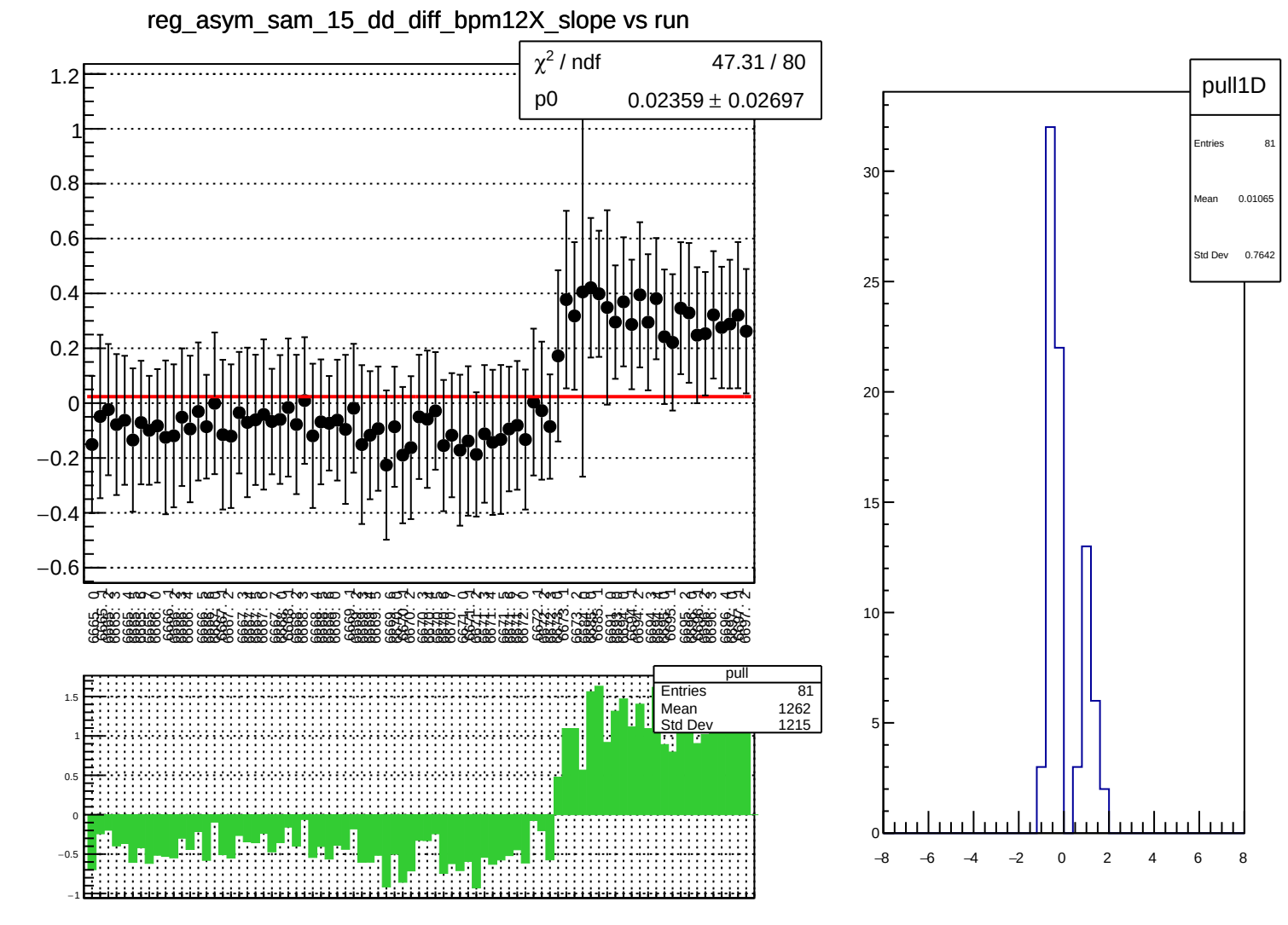

pull1D
Entries 81
Mean 0.01994
Std Dev 0.4632

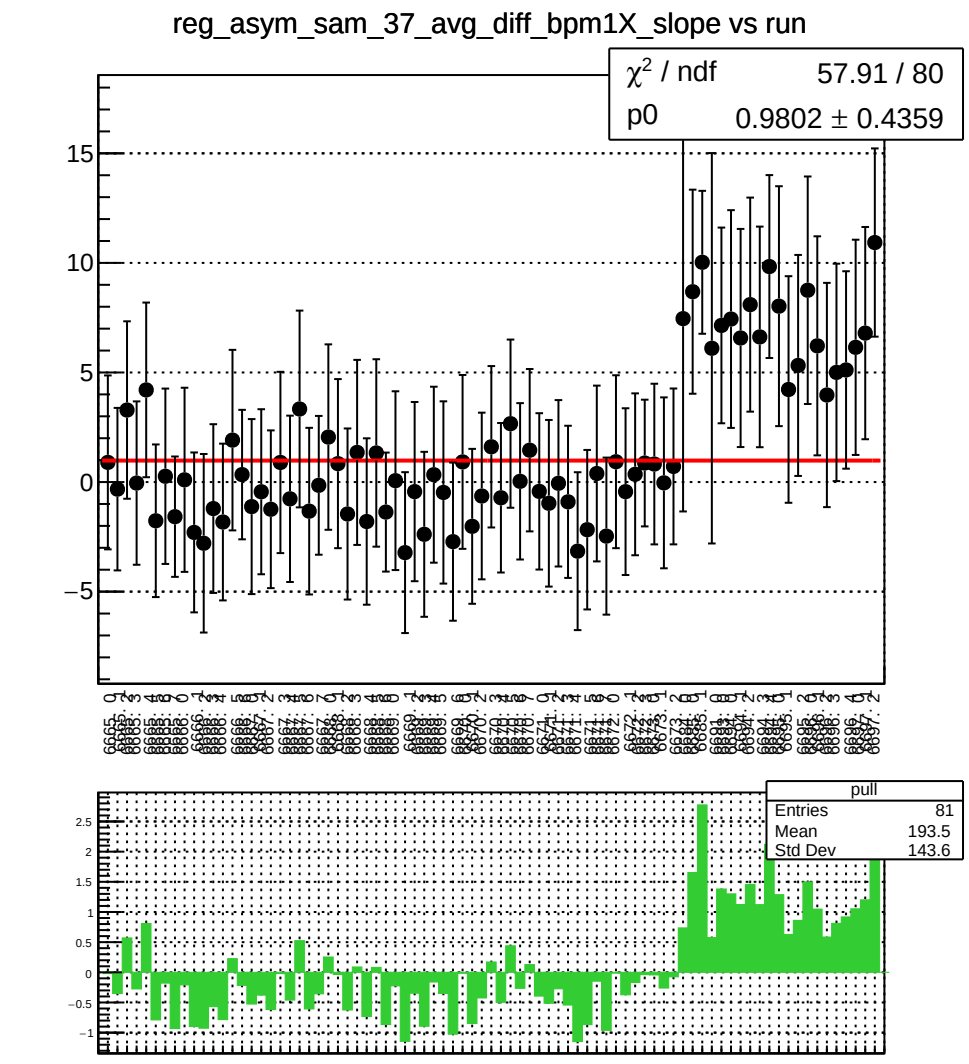

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.14 / 80
p0 −55.08 ± 0.5434
pull
Entries 81
Mean 105.3
Std Dev 51.18
pull1D
Entries 81
Mean −0.1672
Std Dev 0.7607

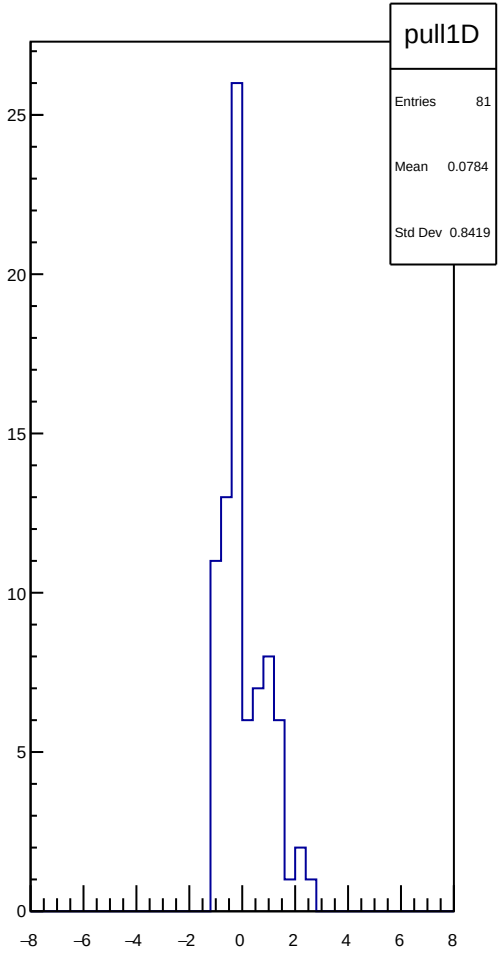

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.8 / 80
p0 −6.775 ± 0.6885
pull
Entries 81
Mean −1483
Std Dev 1531

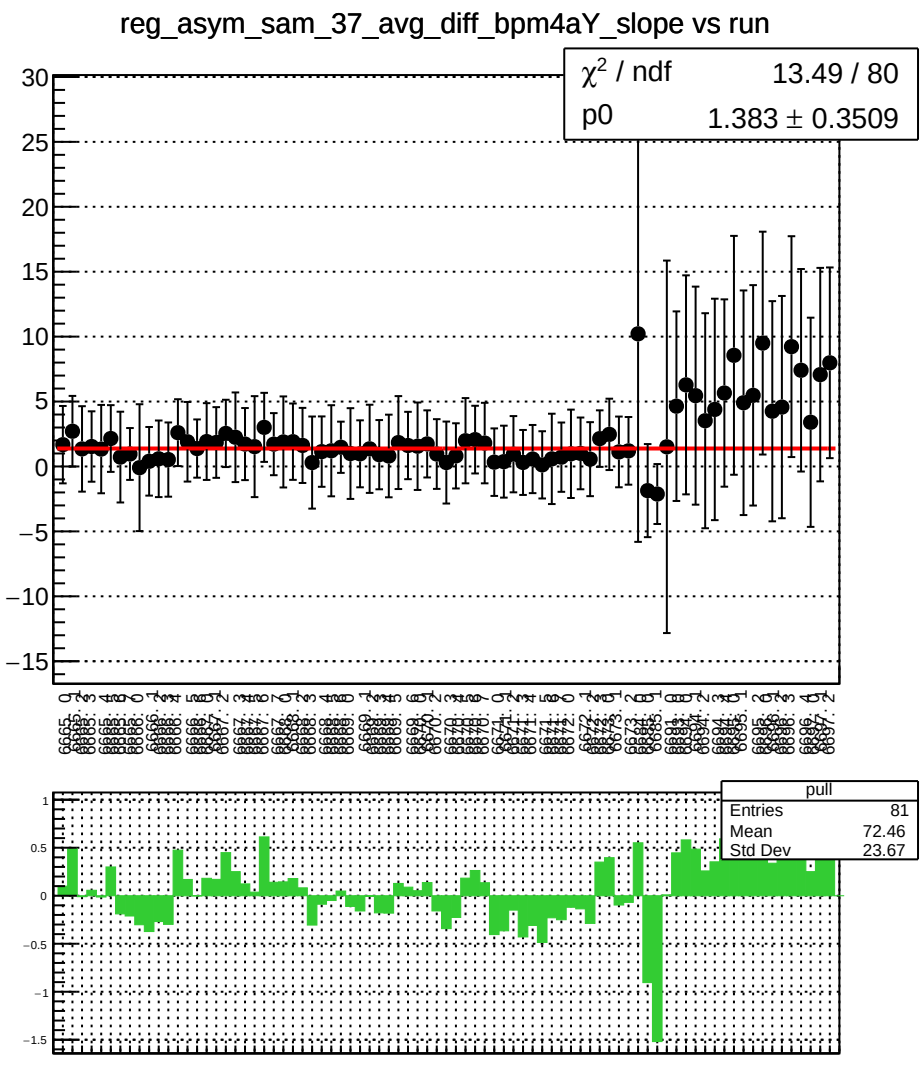

pull1D
Entries 81
Mean 0.004481
Std Dev 0.4554

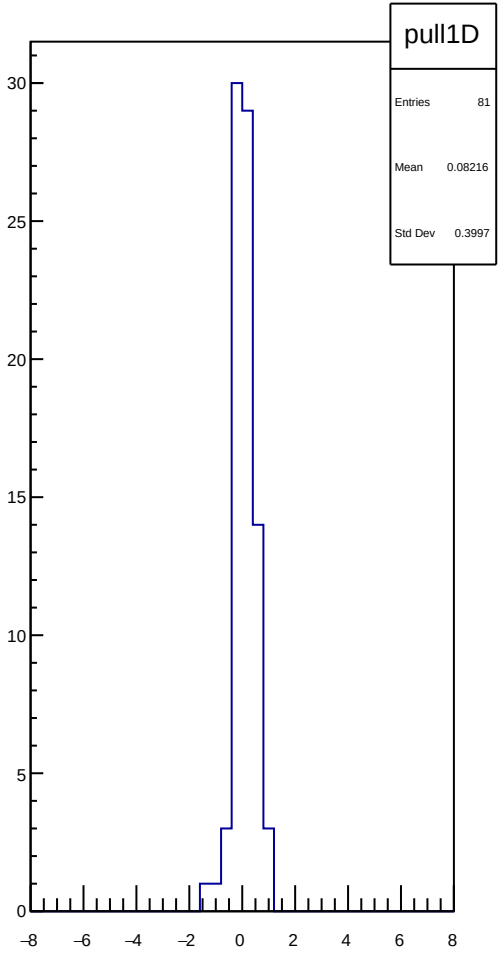

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.85 / 80
p0 −40.13 ± 0.6216
pull
Entries 81
Mean 112.2
Std Dev 60.05
pull1D
Entries 81
Mean 0.1774
Std Dev 0.884

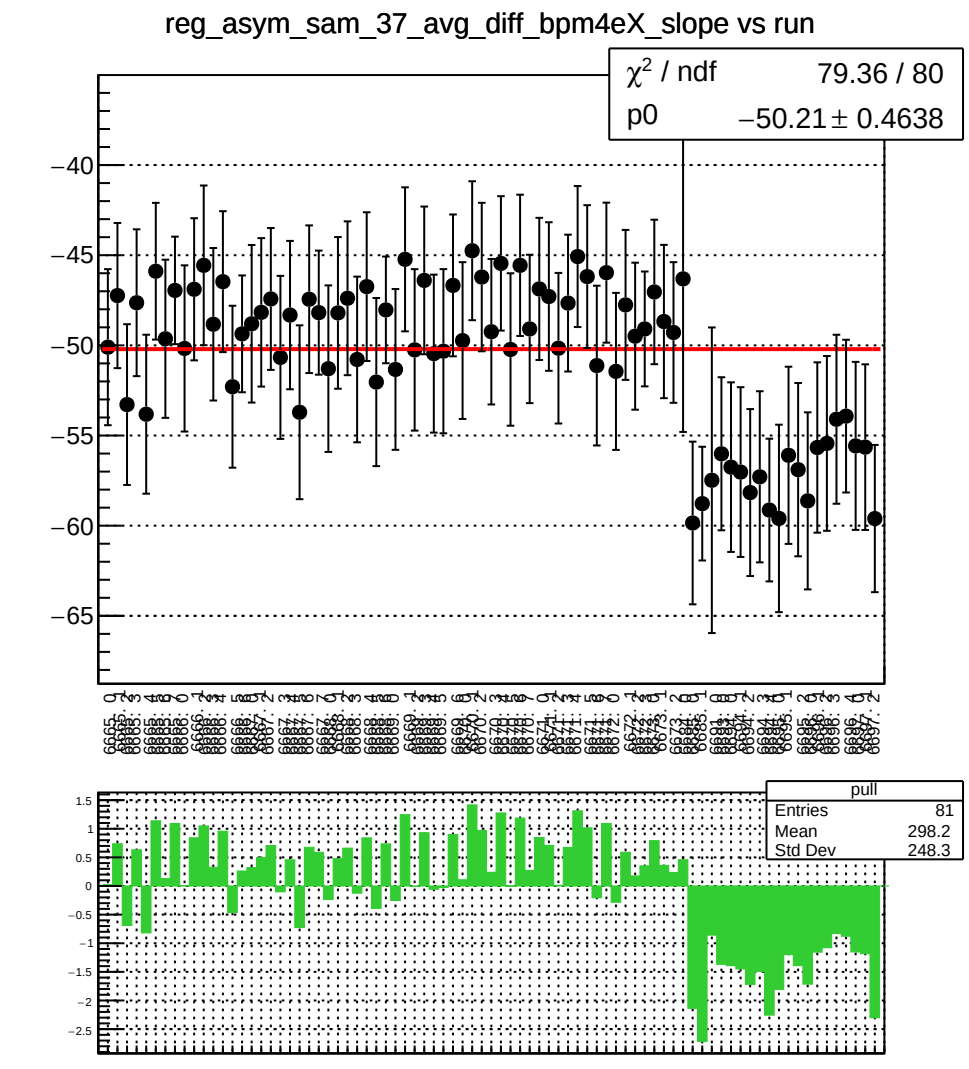

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 47.31 / 80
p0 0.02359 ± 0.02697
pull
Entries 81
Mean 1262
Std Dev 1215
pull1D
Entries 81
Mean 0.01065
Std Dev 0.7642

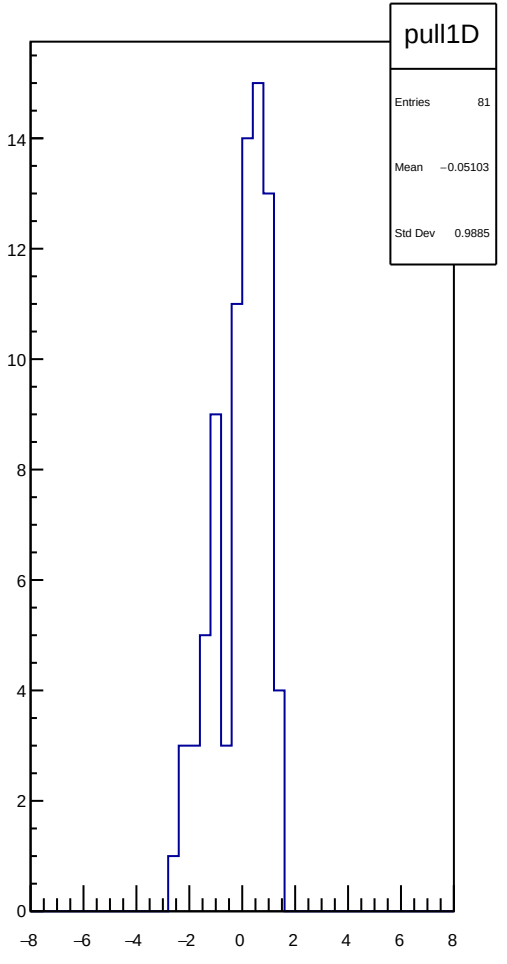

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 57.91 / 80
p0 0.9802 ± 0.4359
pull
Entries 81
Mean 193.5
Std Dev 143.6

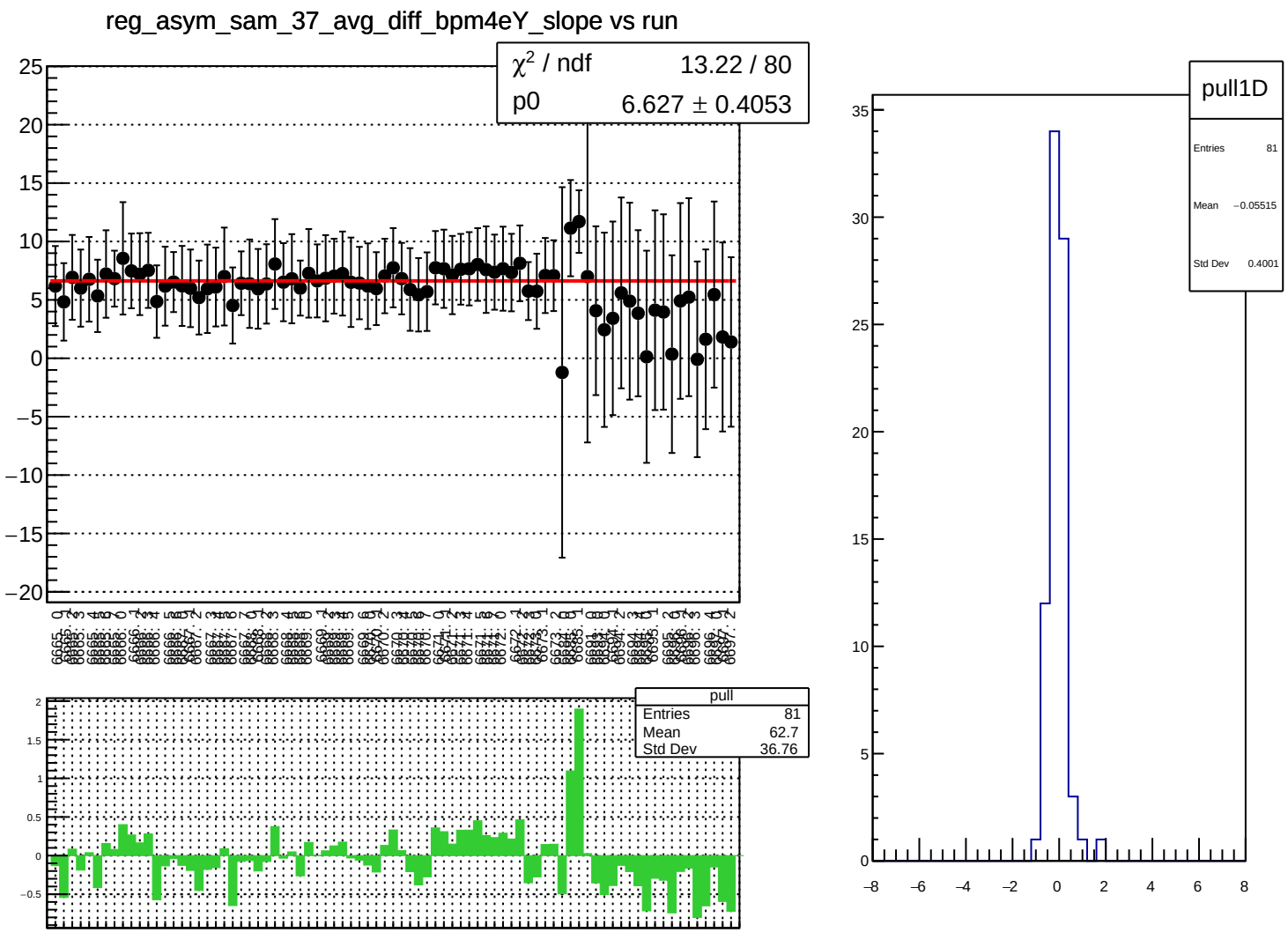

pull1D
Entries 81
Mean 0.0784
Std Dev 0.8419

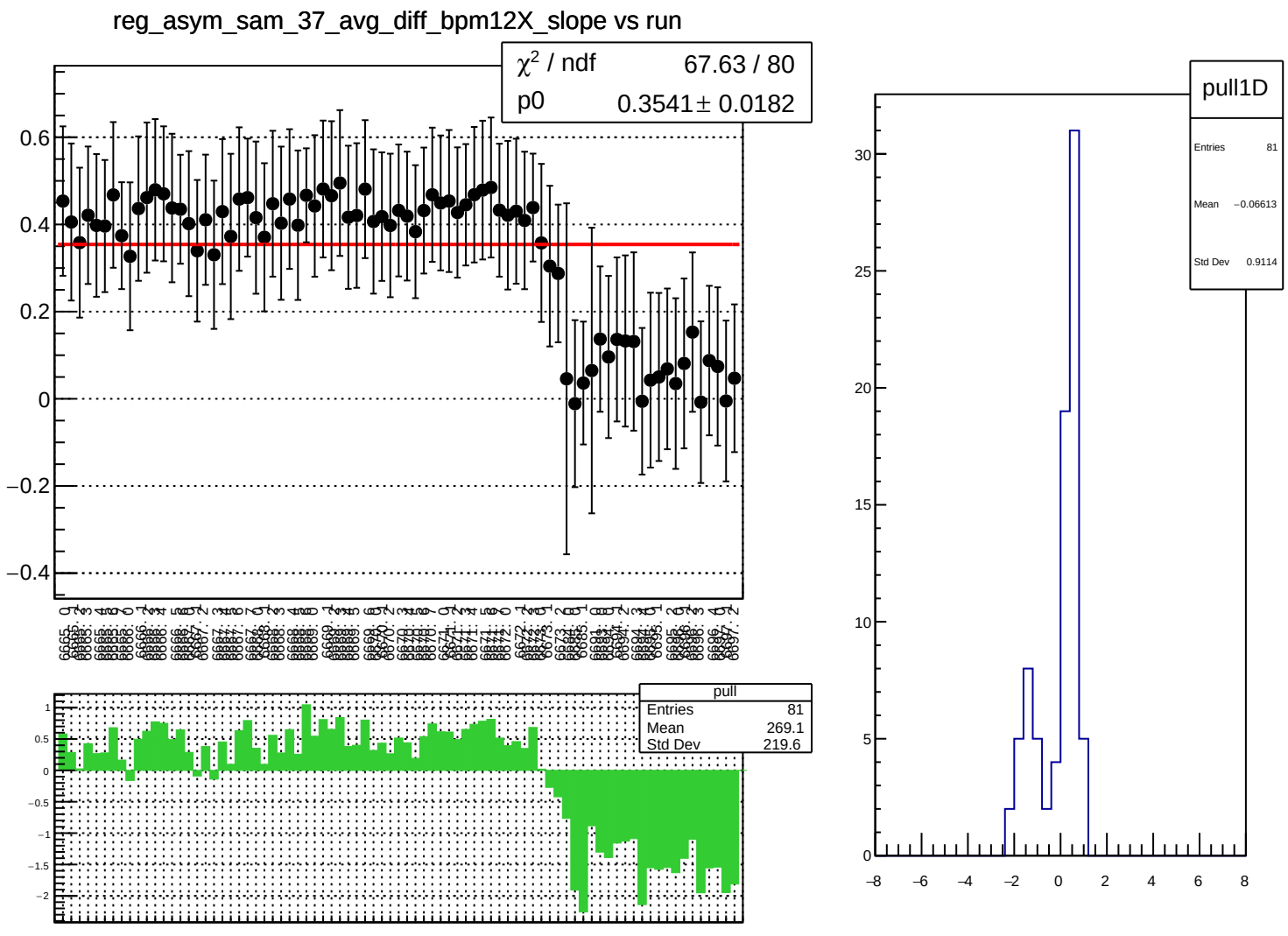

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.49 / 80
p0 1.383 ± 0.3509
pull
Entries 81
Mean 72.46
Std Dev 23.67

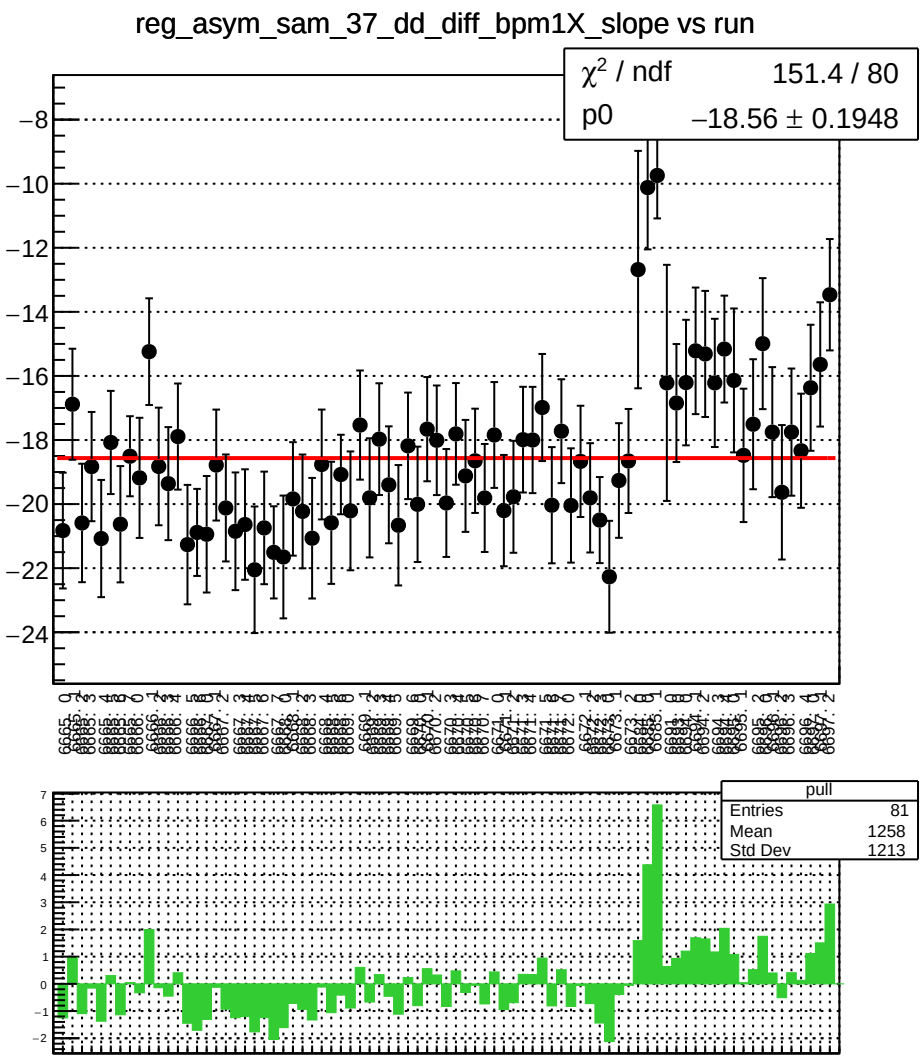

pull1D
Entries 81
Mean 0.08216
Std Dev 0.3997

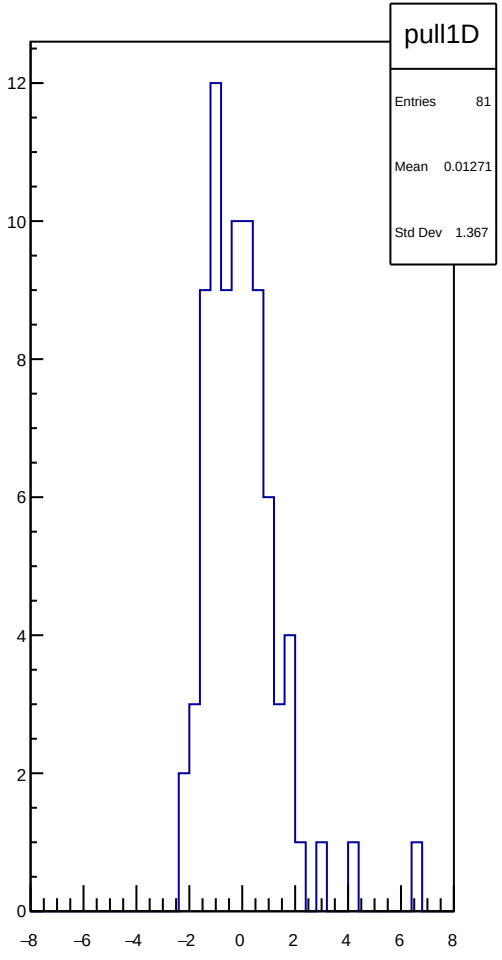

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.36 / 80
p0 −50.21 ± 0.4638
pull
Entries 81
Mean 298.2
Std Dev 248.3

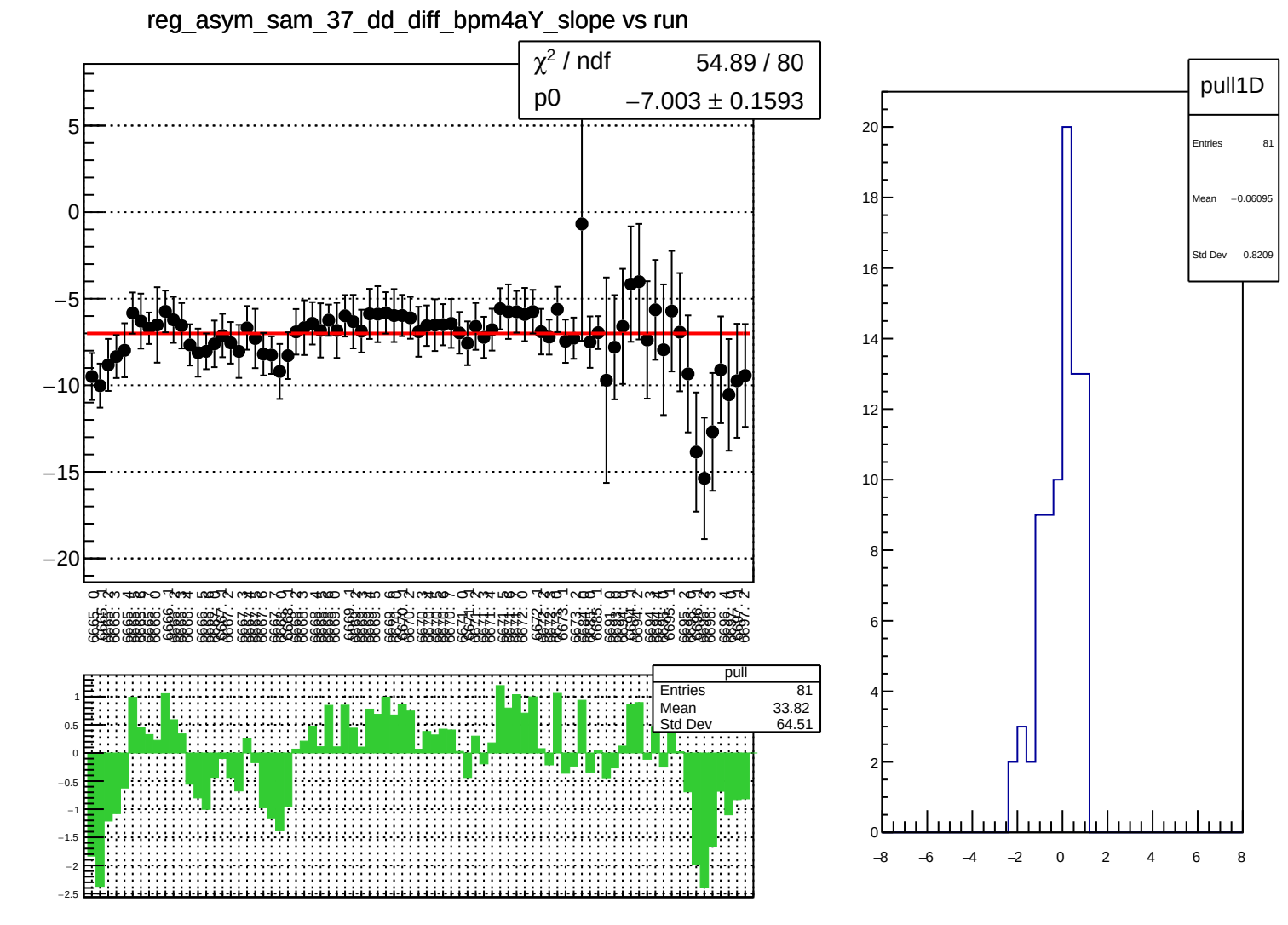

pull1D
Entries 81
Mean −0.05103
Std Dev 0.9885

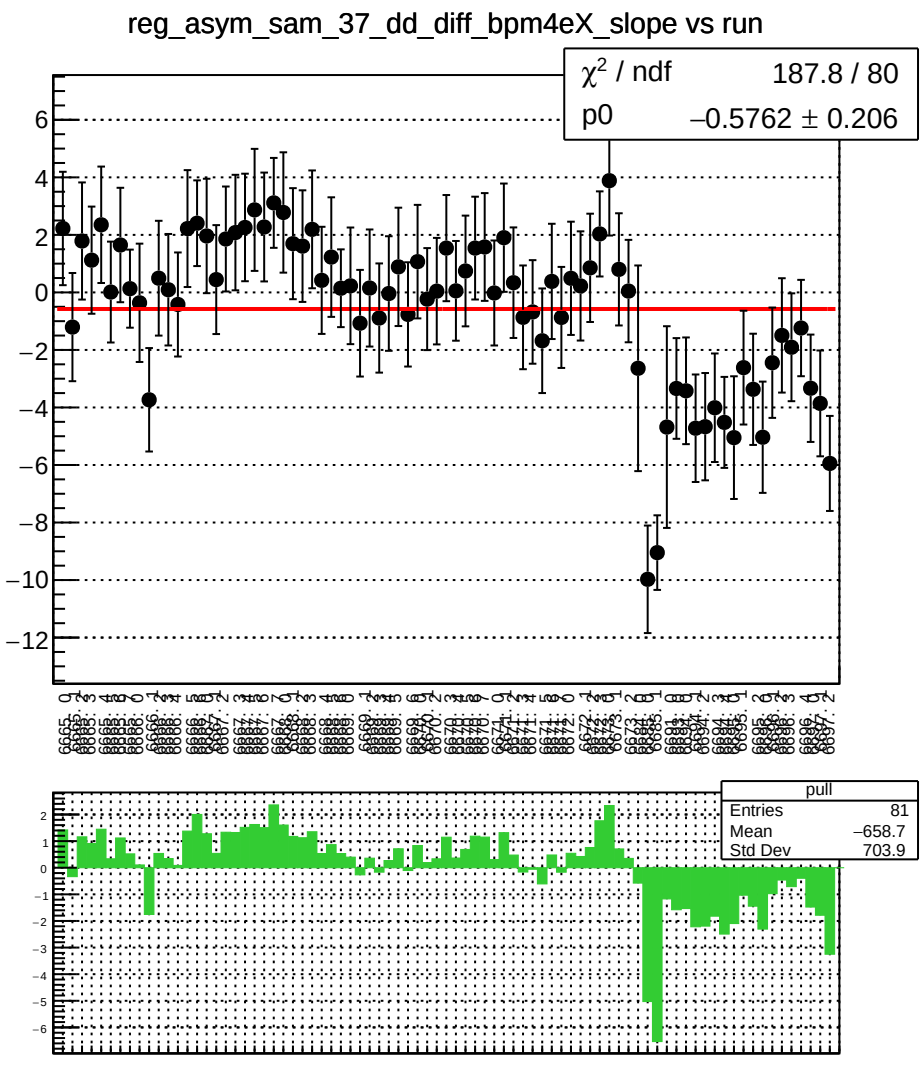

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.22 / 80
p0 6.627 ± 0.4053
pull
Entries 81
Mean 62.7
Std Dev 36.76
pull1D
Entries 81
Mean −0.05515
Std Dev 0.4001

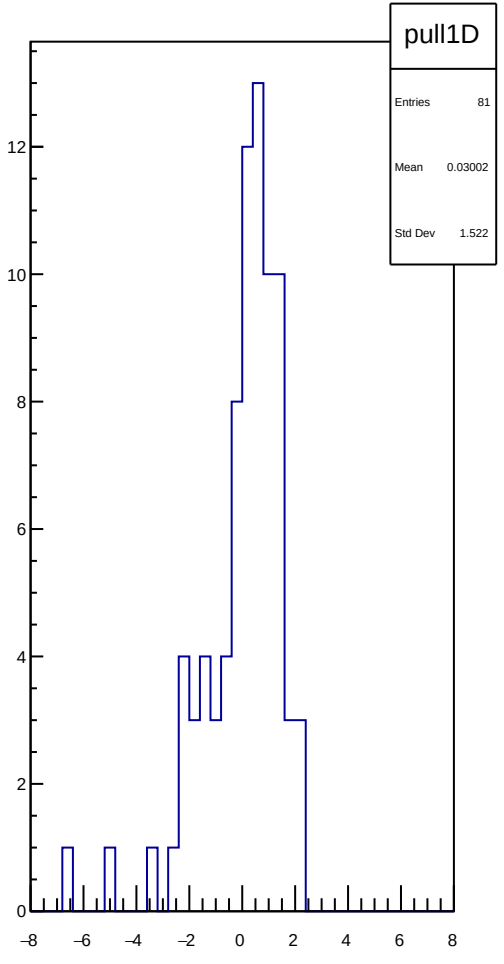

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 67.63 / 80
p0 0.3541 ± 0.0182
pull
Entries 81
Mean 269.1
Std Dev 219.6
pull1D
Entries 81
Mean −0.06613
Std Dev 0.9114

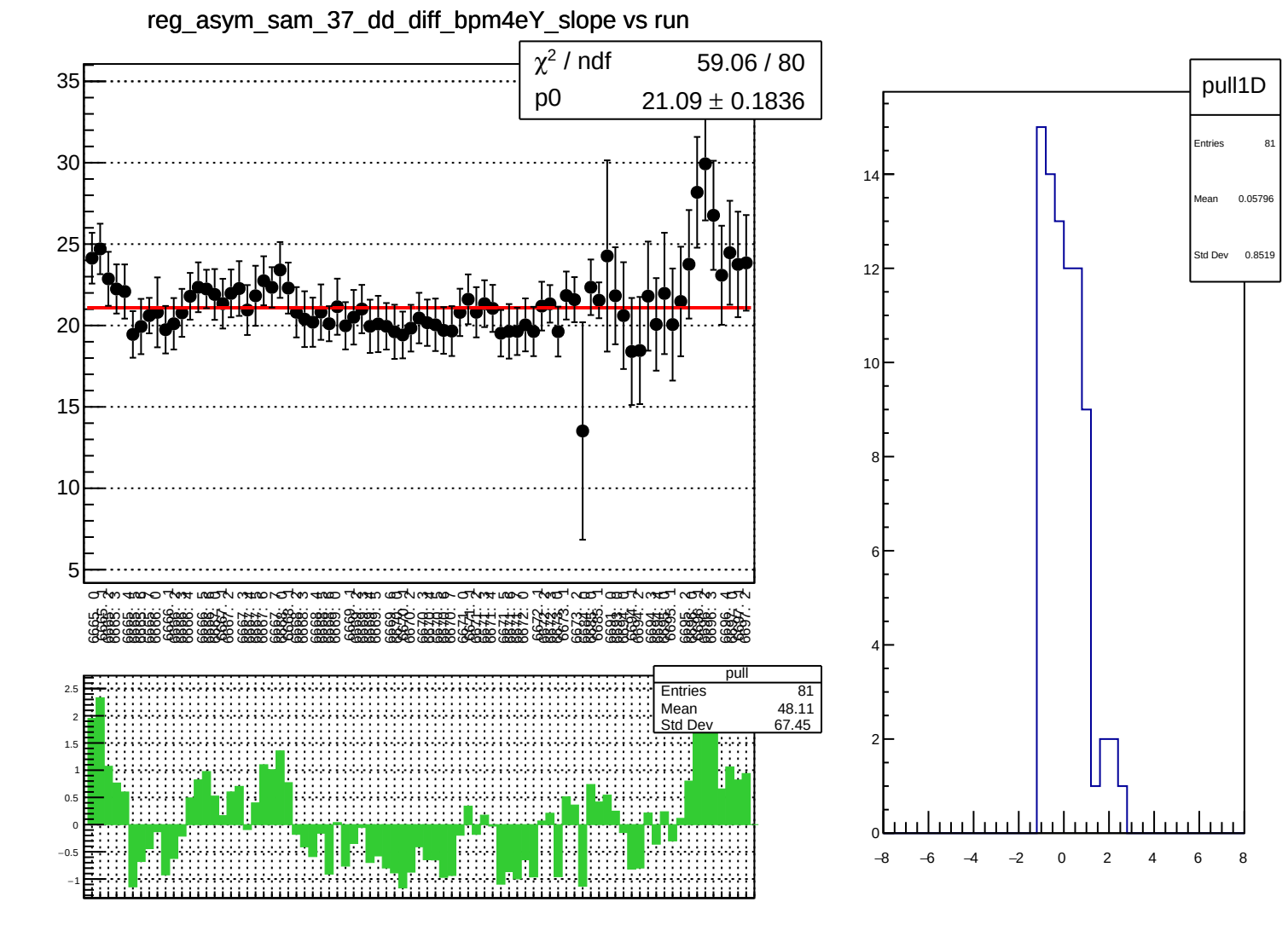

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 151.4 / 80
p0 −18.56 ± 0.1948
pull
Entries 81
Mean 1258
Std Dev 1213

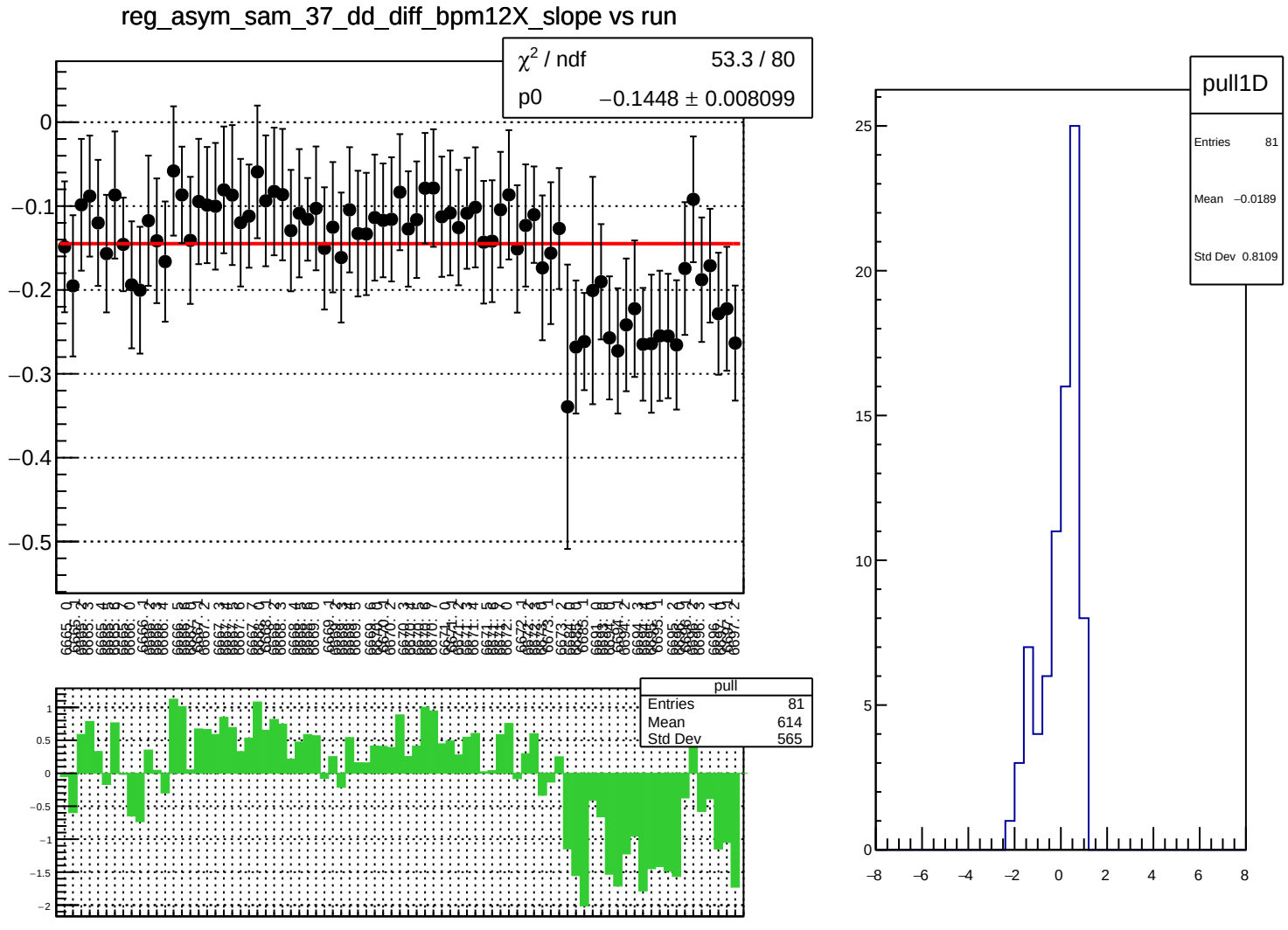

pull1D
Entries 81
Mean 0.01271
Std Dev 1.367

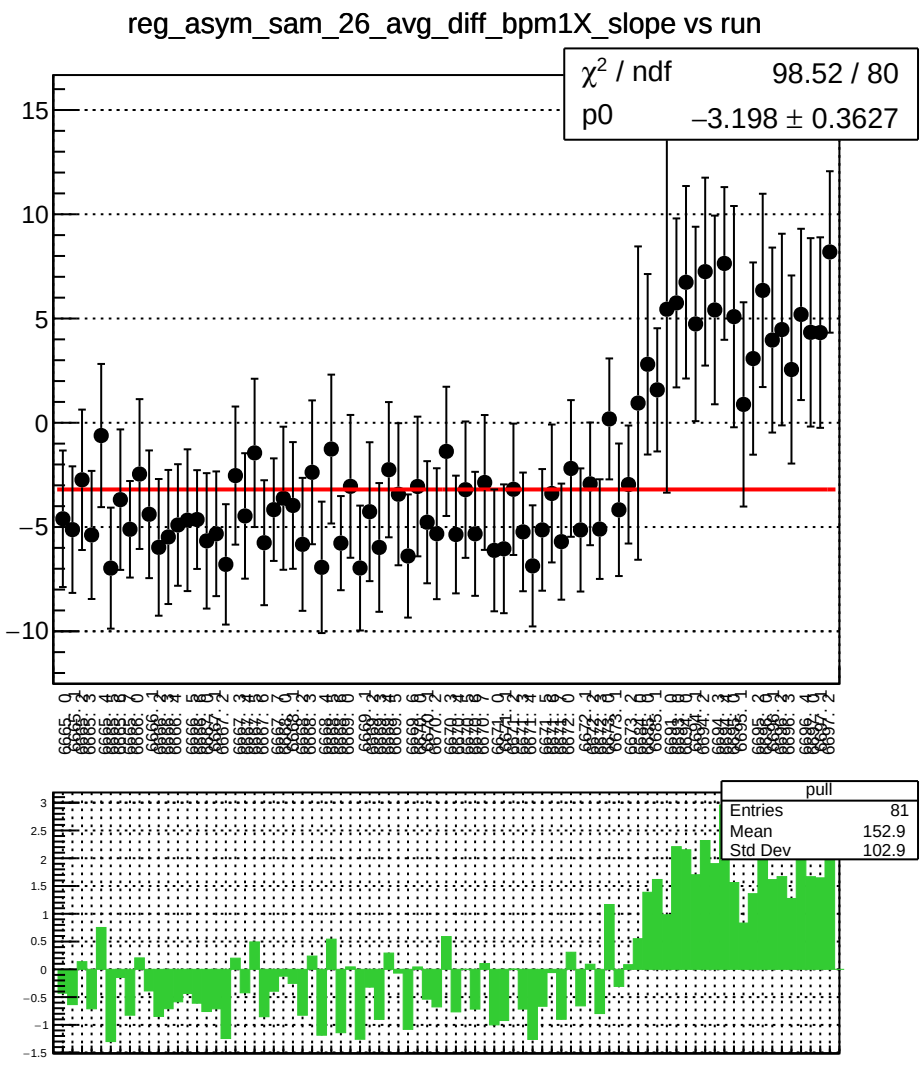

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.89 / 80
p0 −7.003 ± 0.1593
pull
Entries 81
Mean 33.82
Std Dev 64.51
pull1D
Entries 81
Mean −0.06095
Std Dev 0.8209

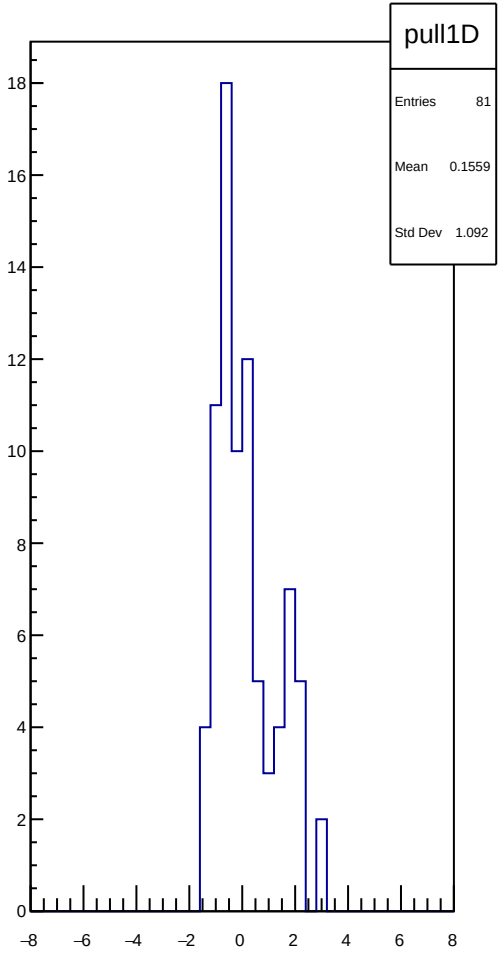

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 187.8 / 80
p0 −0.5762 ± 0.206
pull
Entries 81
Mean −658.7
Std Dev 703.9

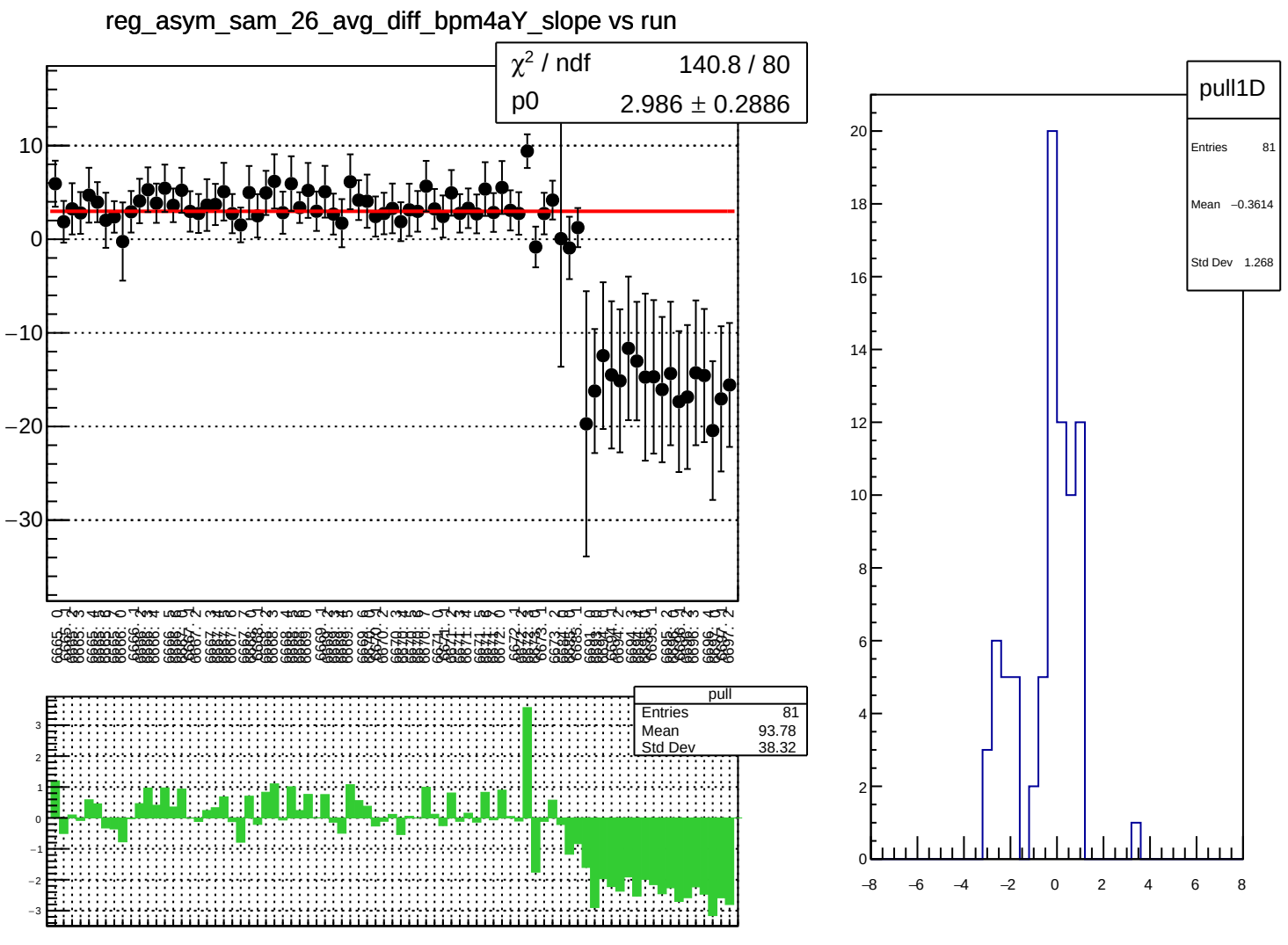

pull1D
Entries 81
Mean 0.03002
Std Dev 1.522

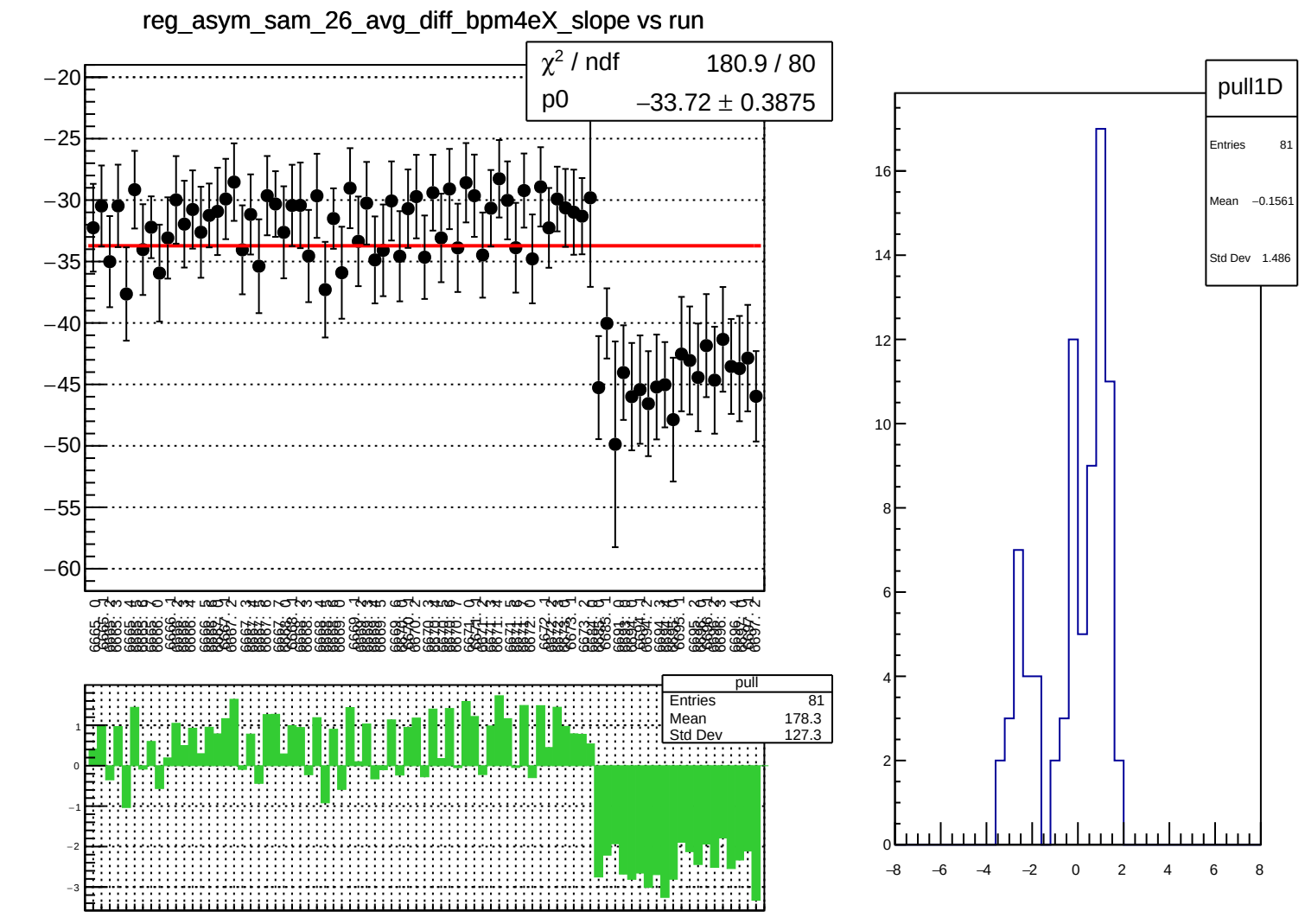

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.06 / 80
p0 21.09 ± 0.1836
pull
Entries 81
Mean 48.11
Std Dev 67.45
pull1D
Entries 81
Mean 0.05796
Std Dev 0.8519

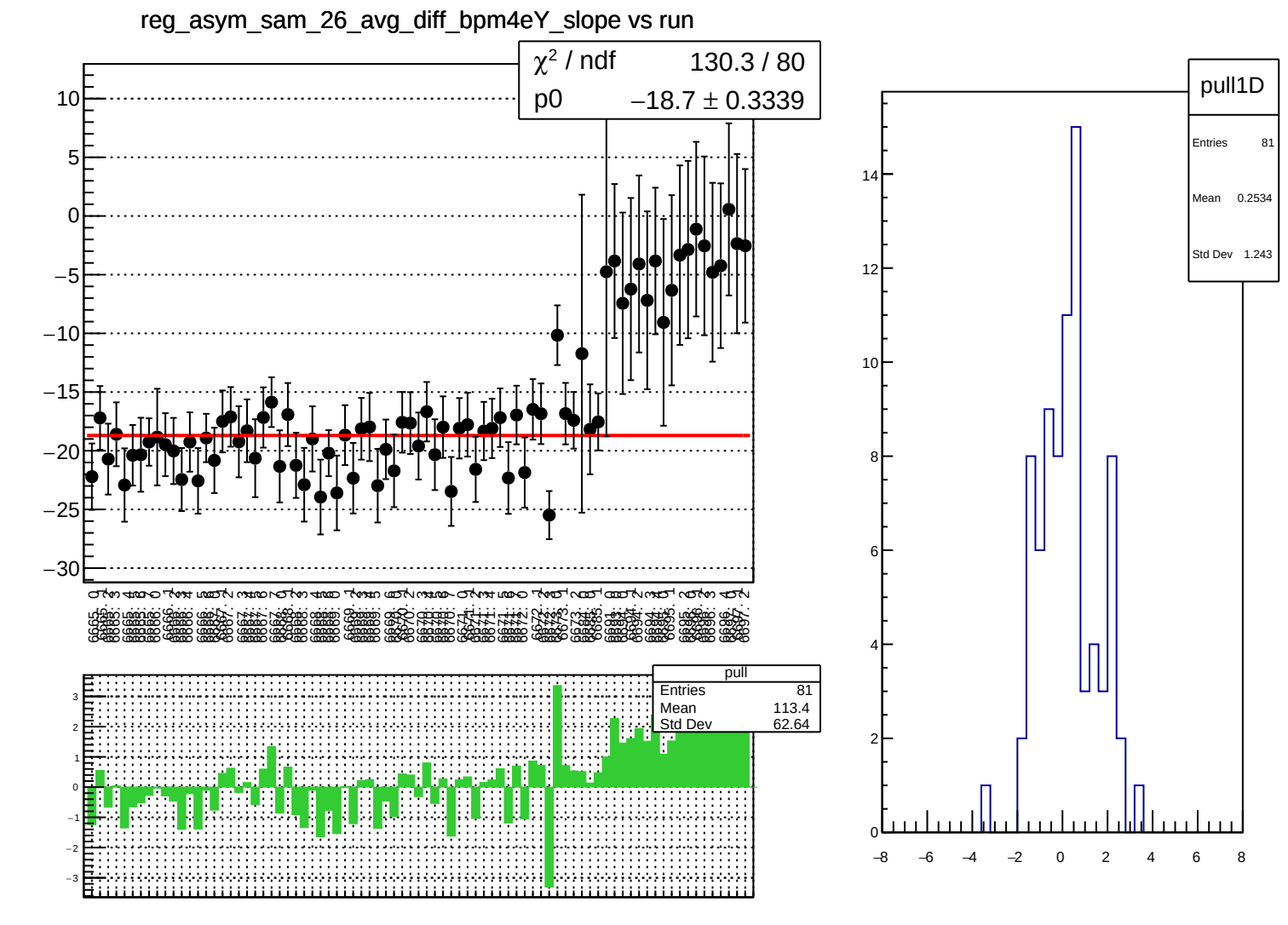

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 53.3 / 80
p0 −0.1448 ± 0.008099
pull
Entries 81
Mean 614
Std Dev 565
pull1D
Entries 81
Mean −0.0189
Std Dev 0.8109

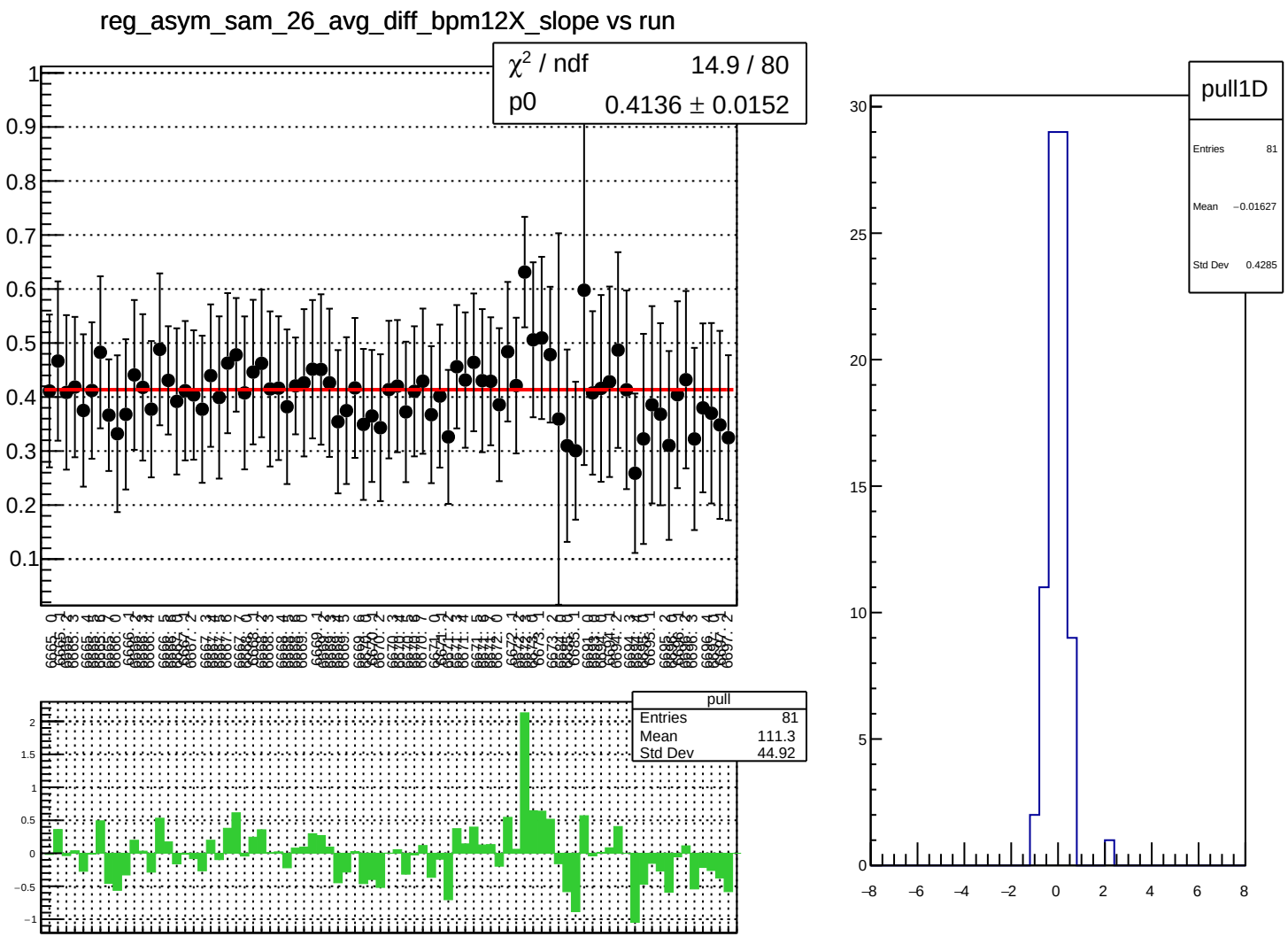

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 98.52 / 80
p0 −3.198 ± 0.3627
pull
Entries 81
Mean 152.9
Std Dev 102.9

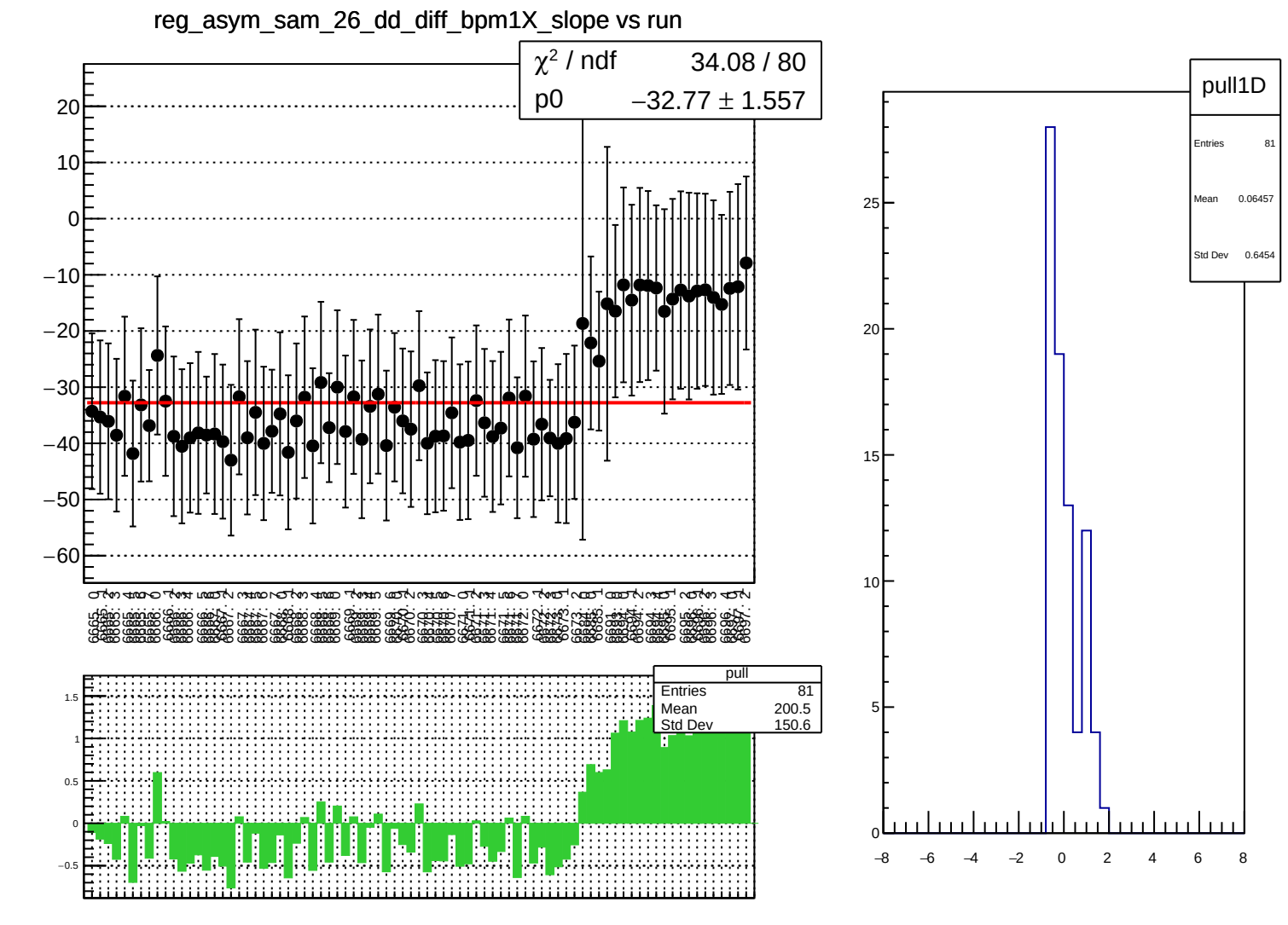

pull1D
Entries 81
Mean 0.1559
Std Dev 1.092

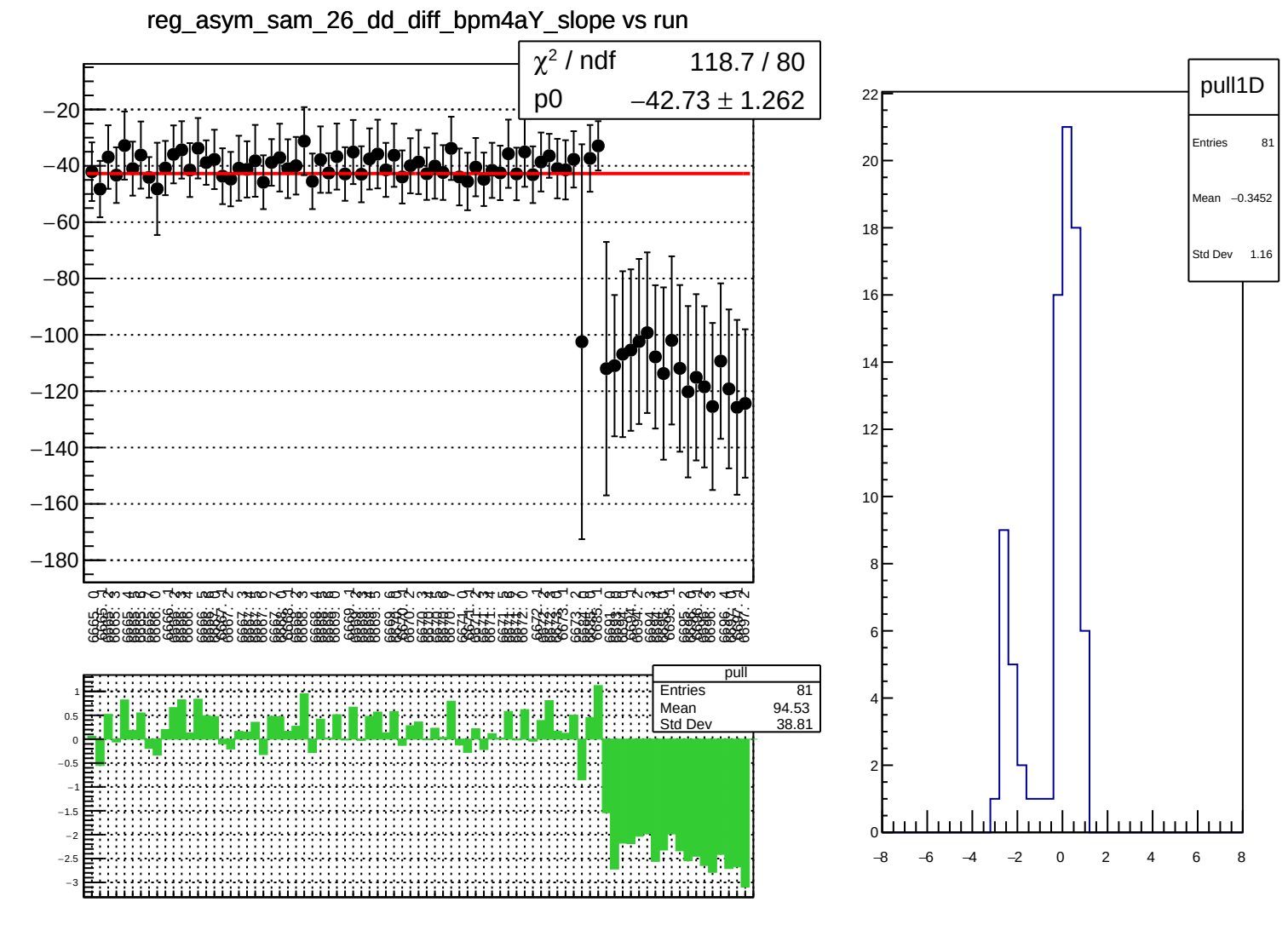

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 140.8 / 80
p0 2.986 ± 0.2886
pull
Entries 81
Mean 93.78
Std Dev 38.32
pull1D
Entries 81
Mean −0.3614
Std Dev 1.268

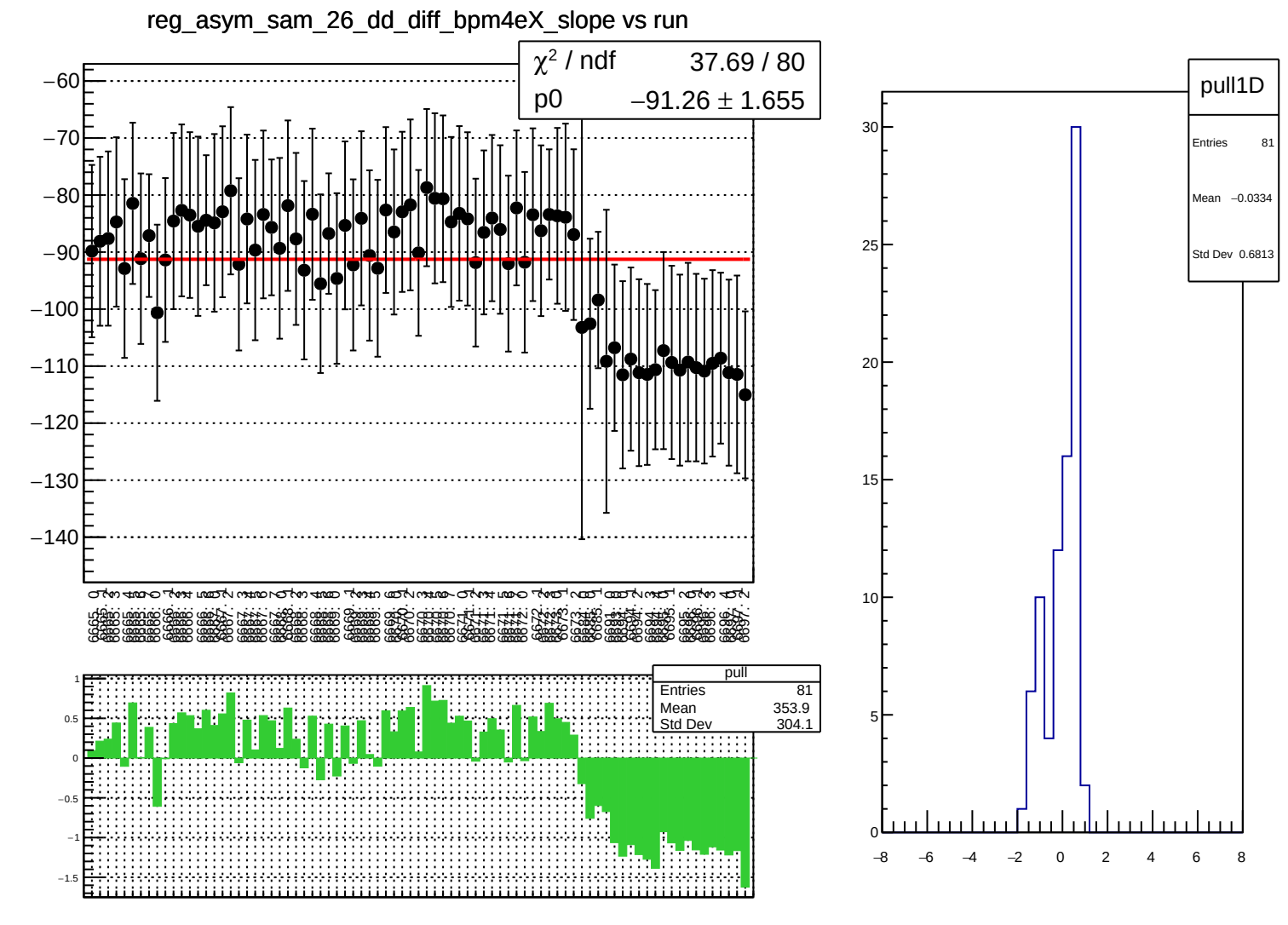

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 180.9 / 80
p0 −33.72 ± 0.3875
pull
Entries 81
Mean 178.3
Std Dev 127.3
pull1D
Entries 81
Mean −0.1561
Std Dev 1.486

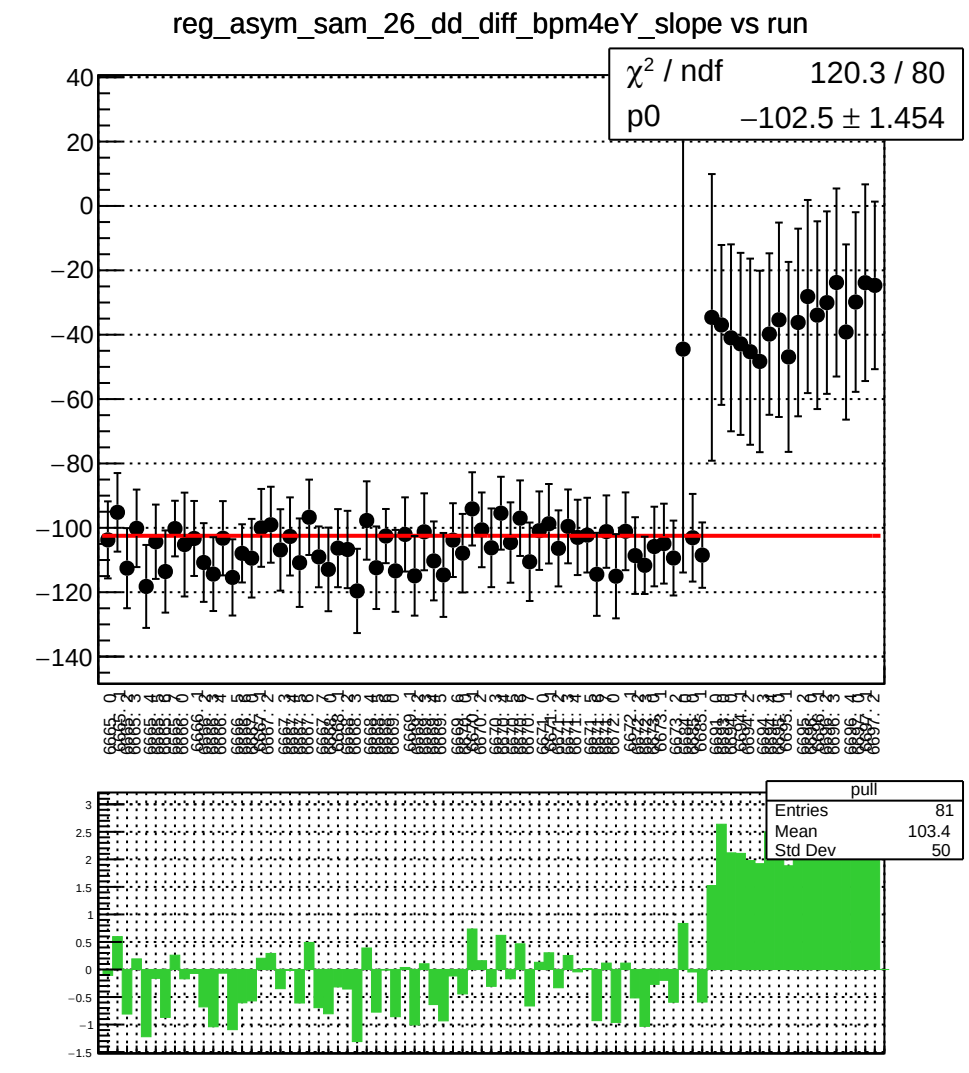

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 130.3 / 80
p0 −18.7 ± 0.3339
pull
Entries 81
Mean 113.4
Std Dev 62.64
pull1D
Entries 81
Mean 0.2534
Std Dev 1.243

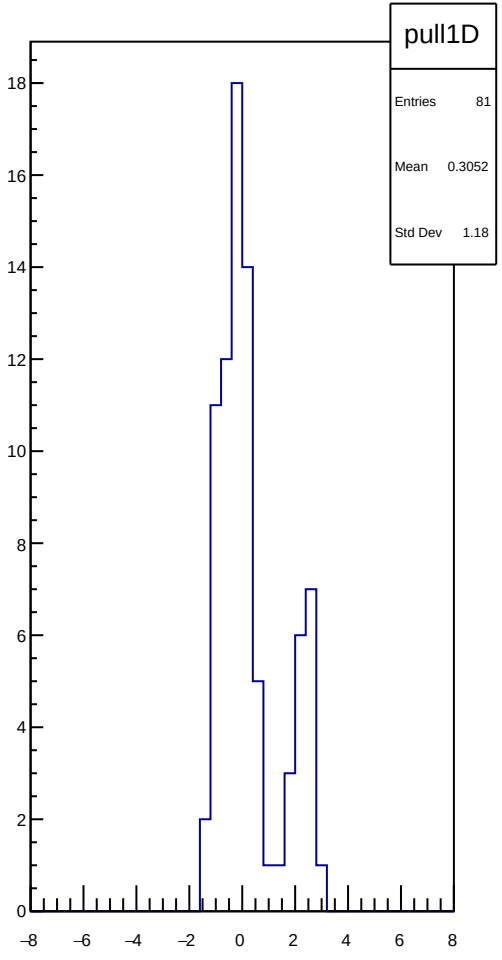

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 14.9 / 80
p0 0.4136 ± 0.0152
pull
Entries 81
Mean 111.3
Std Dev 44.92
pull1D
Entries 81
Mean −0.01627
Std Dev 0.4285

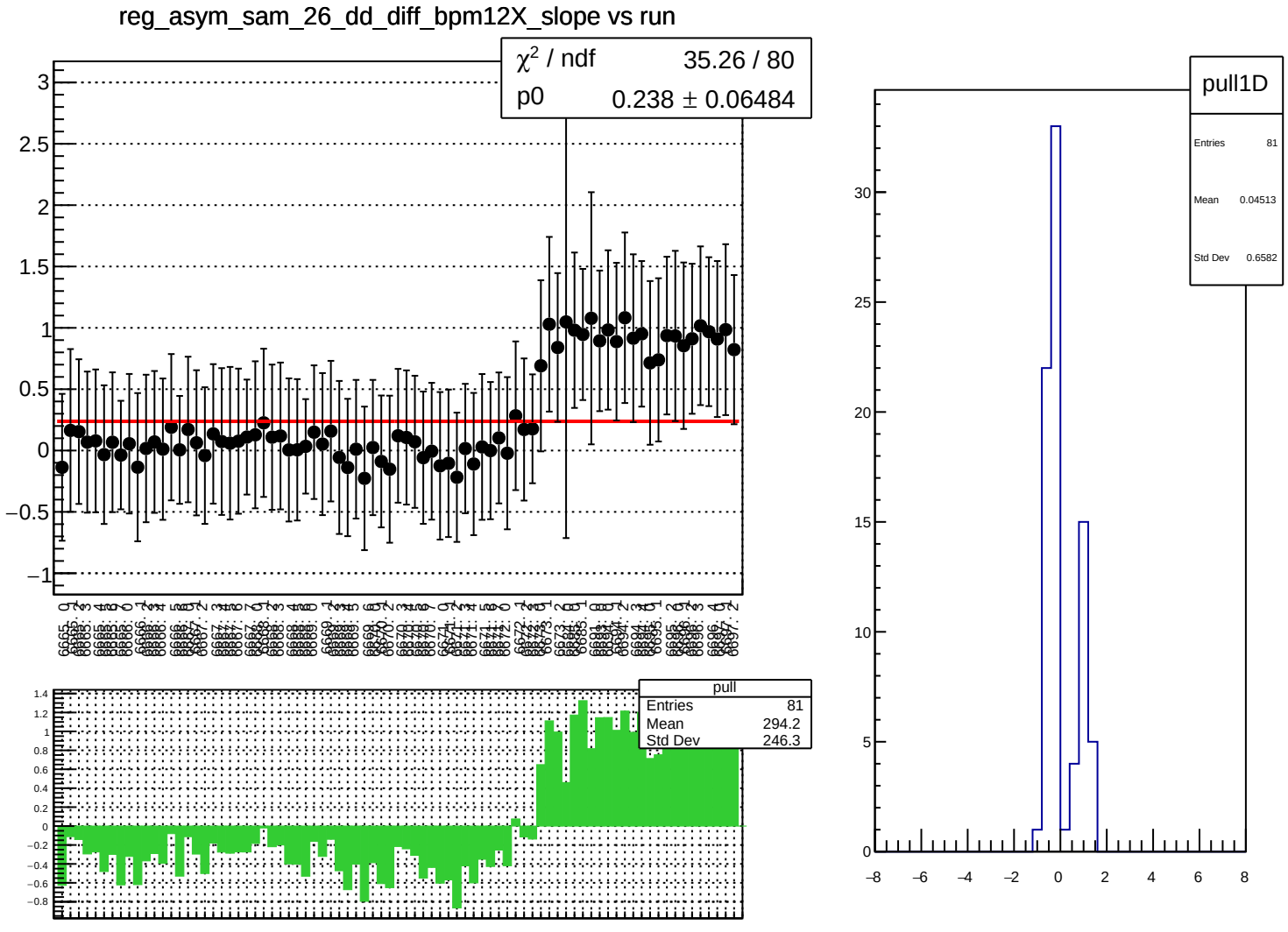

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 34.08 / 80
p0 −32.77 ± 1.557
pull
Entries 81
Mean 200.5
Std Dev 150.6
pull1D
Entries 81
Mean 0.06457
Std Dev 0.6454

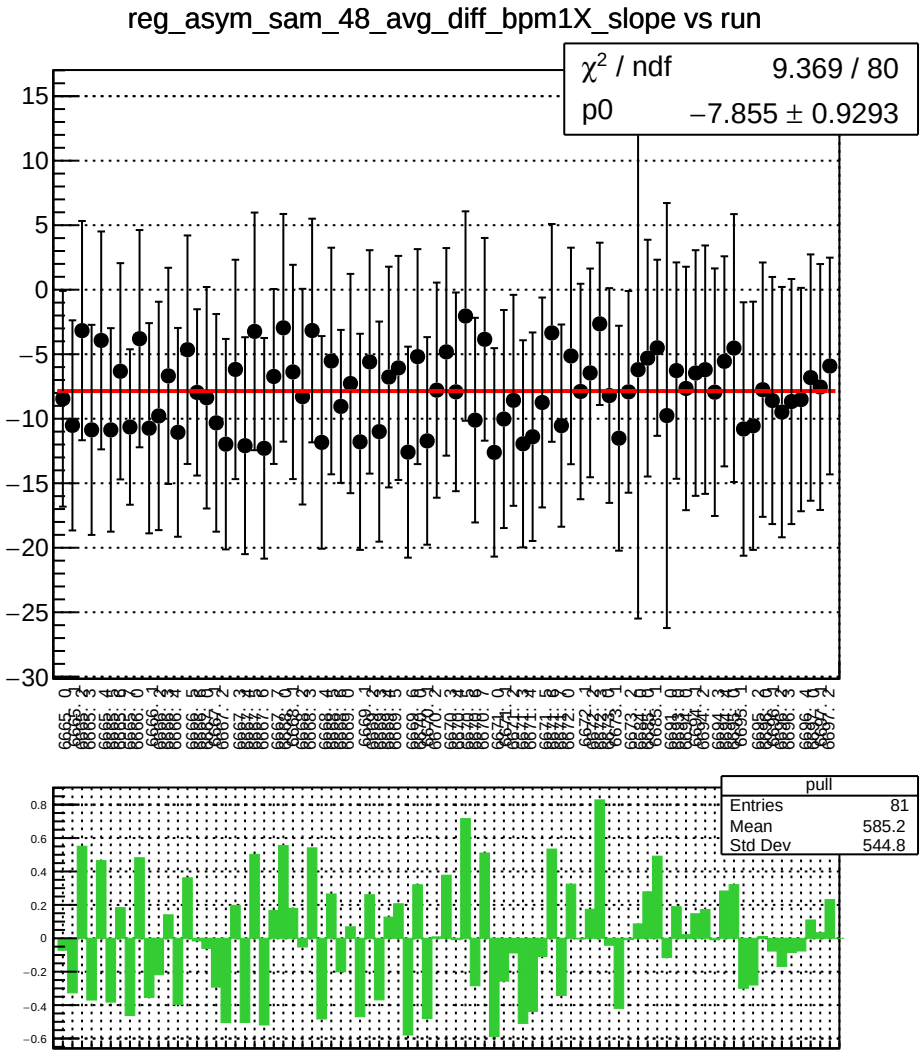

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 118.7 / 80
p0 −42.73 ± 1.262
pull
Entries 81
Mean 94.53
Std Dev 38.81
pull1D
Entries 81
Mean −0.3452
Std Dev 1.16

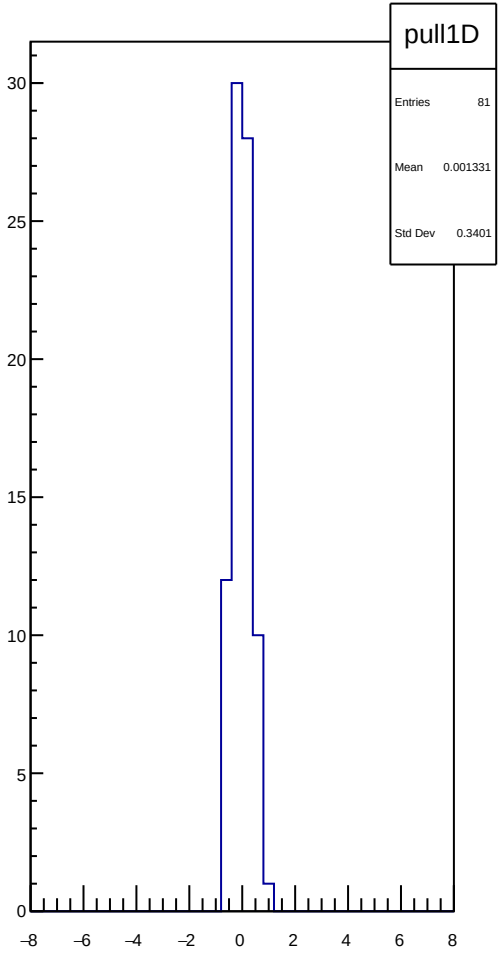

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.69 / 80
p0 −91.26 ± 1.655
pull
Entries 81
Mean 353.9
Std Dev 304.1
pull1D
Entries 81
Mean −0.0334
Std Dev 0.6813

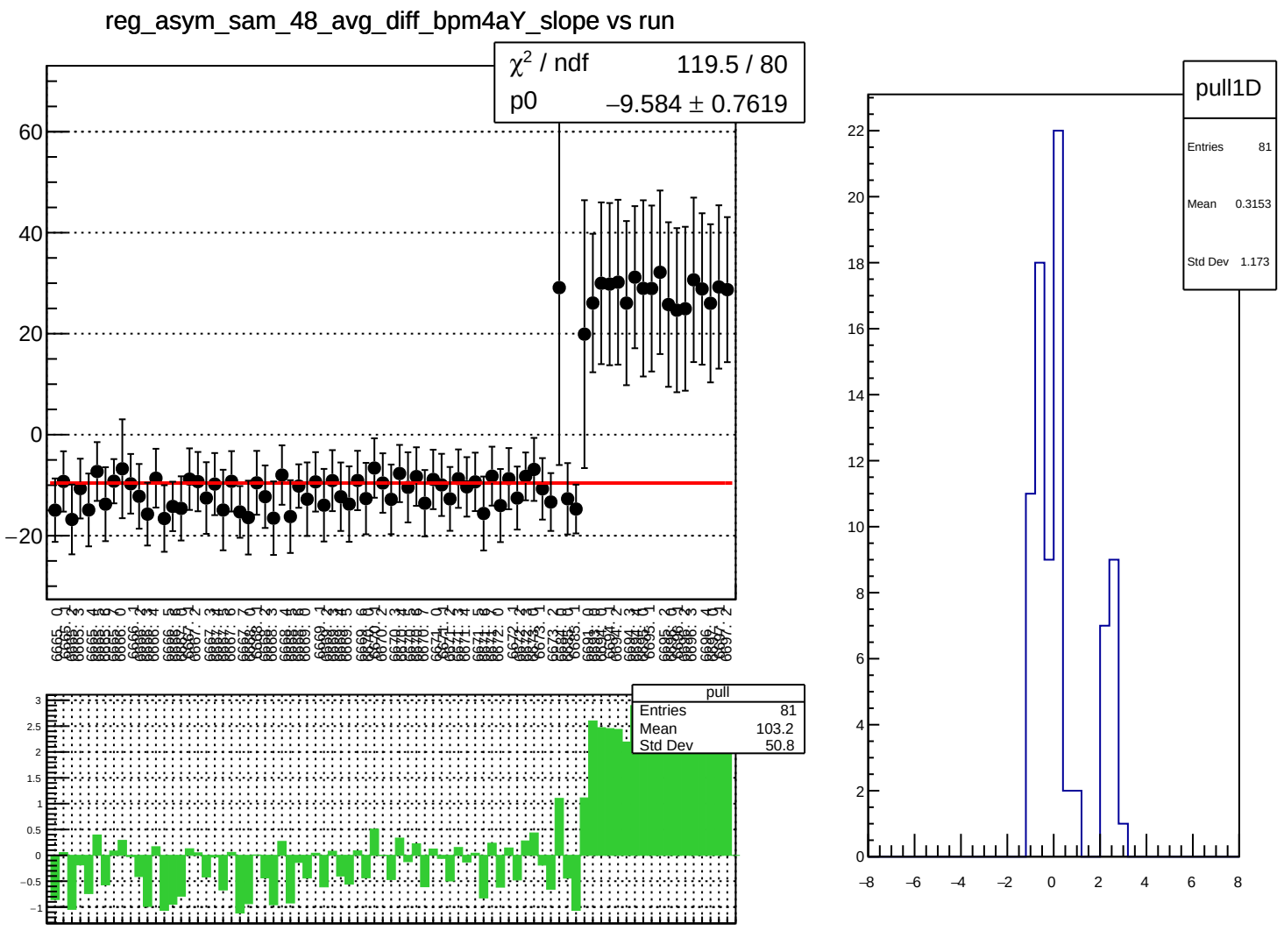

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 120.3 / 80
p0 −102.5 ± 1.454
pull
Entries 81
Mean 103.4
Std Dev 50

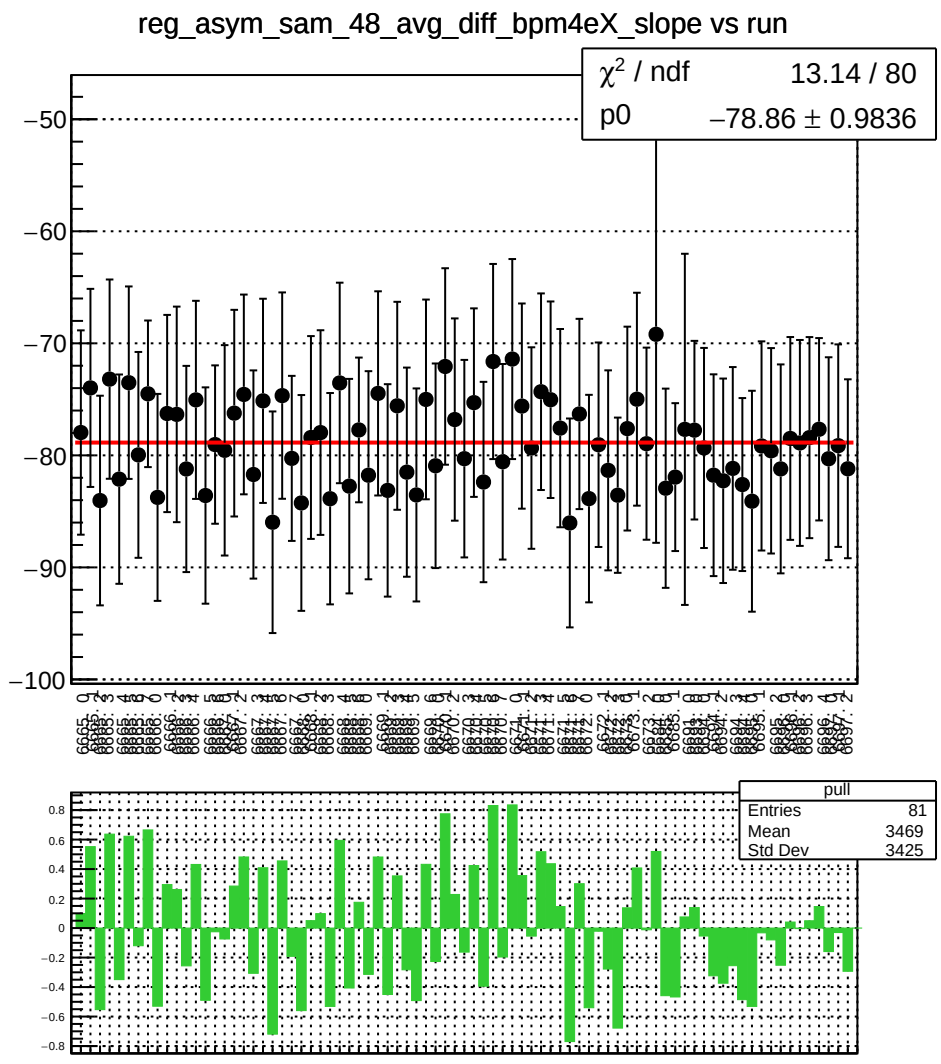

pull1D
Entries 81
Mean 0.3052
Std Dev 1.18

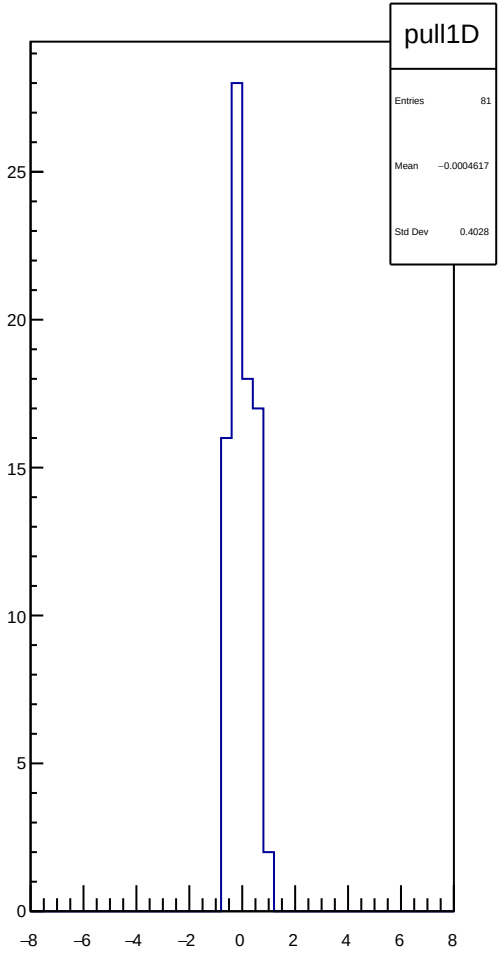

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 35.26 / 80
p0 0.238 ± 0.06484
pull
Entries 81
Mean 294.2
Std Dev 246.3
pull1D
Entries 81
Mean 0.04513
Std Dev 0.6582

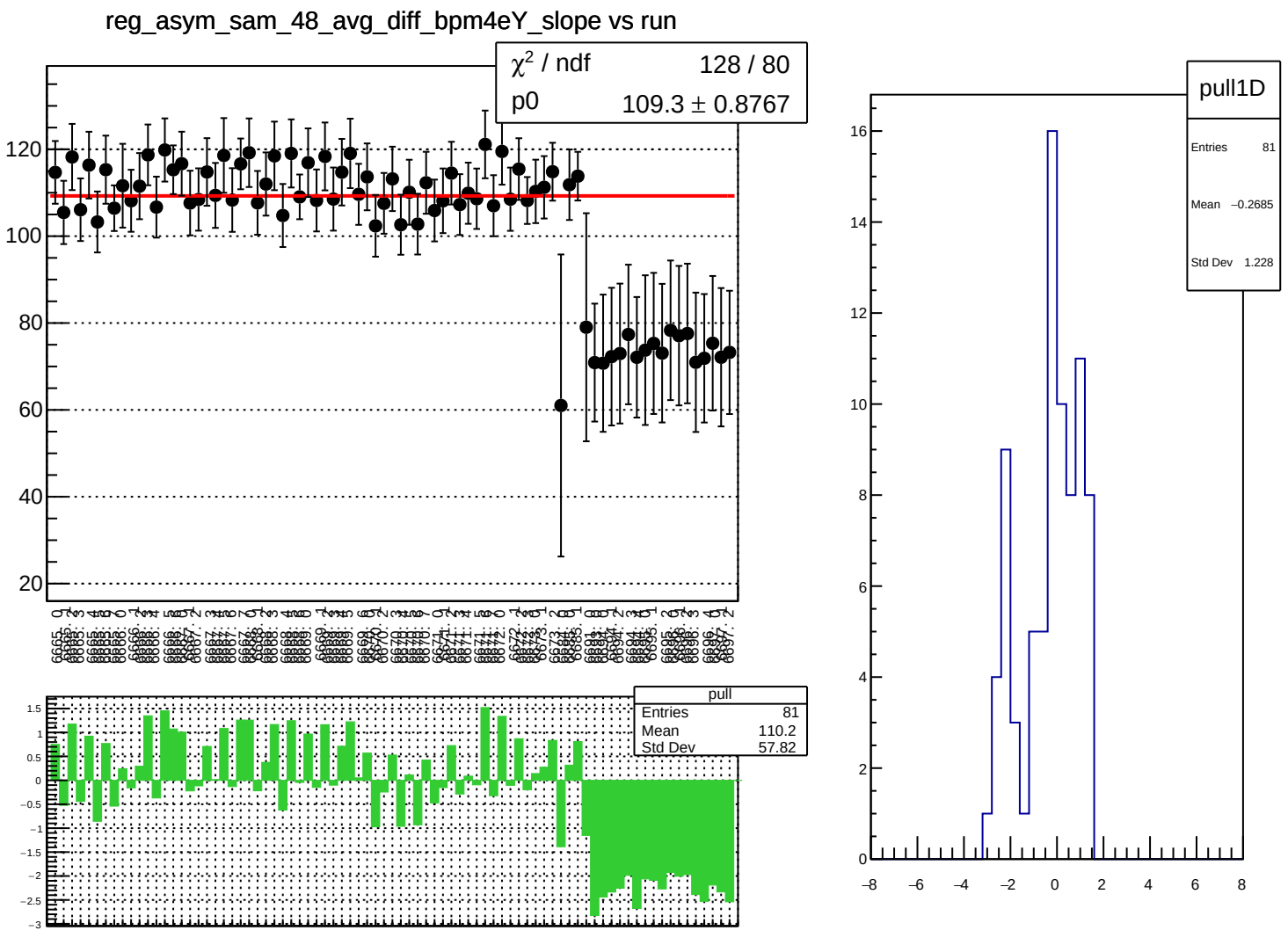

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 9.369 / 80
p0 −7.855 ± 0.9293
pull
Entries 81
Mean 585.2
Std Dev 544.8

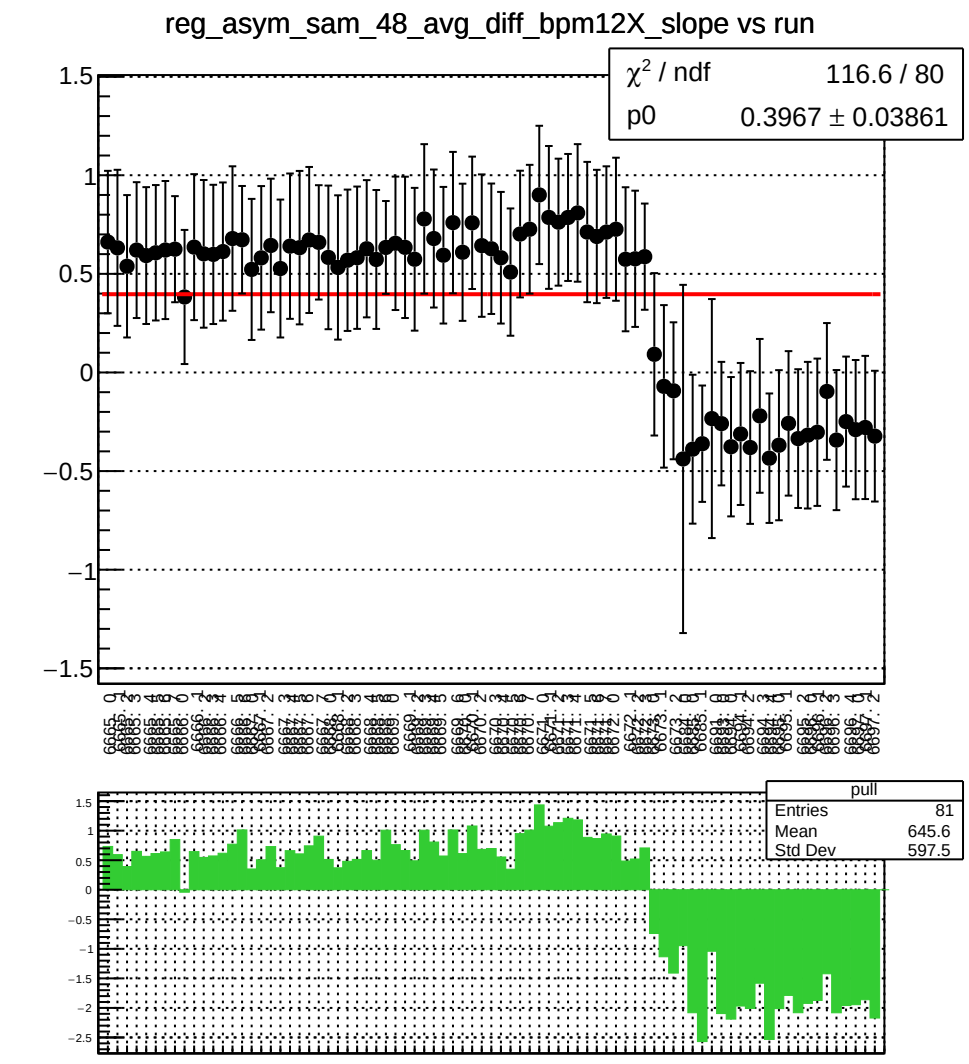

pull1D
Entries 81
Mean 0.001331
Std Dev 0.3401

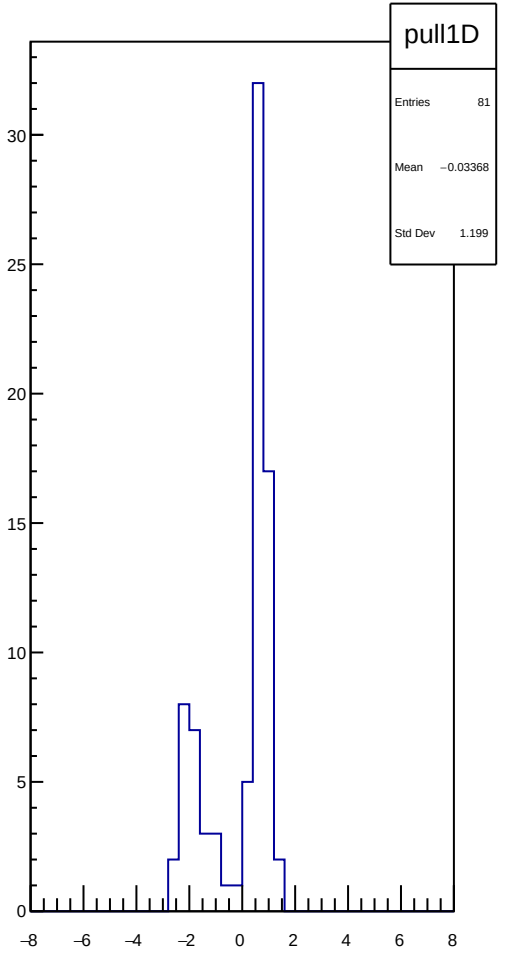

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 119.5 / 80
p0 −9.584 ± 0.7619
pull
Entries 81
Mean 103.2
Std Dev 50.8
pull1D
Entries 81
Mean 0.3153
Std Dev 1.173

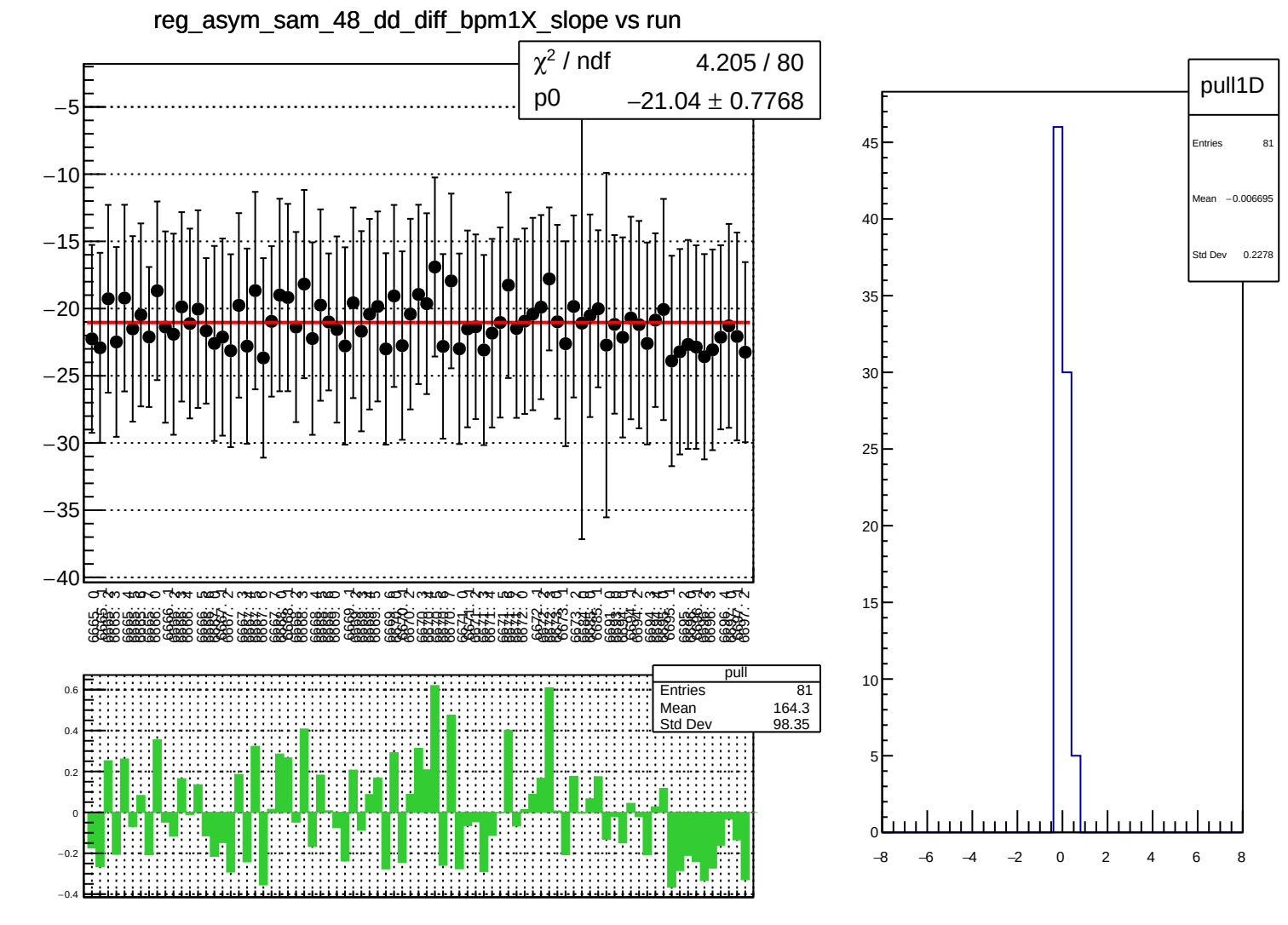

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.14 / 80
p0 −78.86 ± 0.9836
pull
Entries 81
Mean 3469
Std Dev 3425

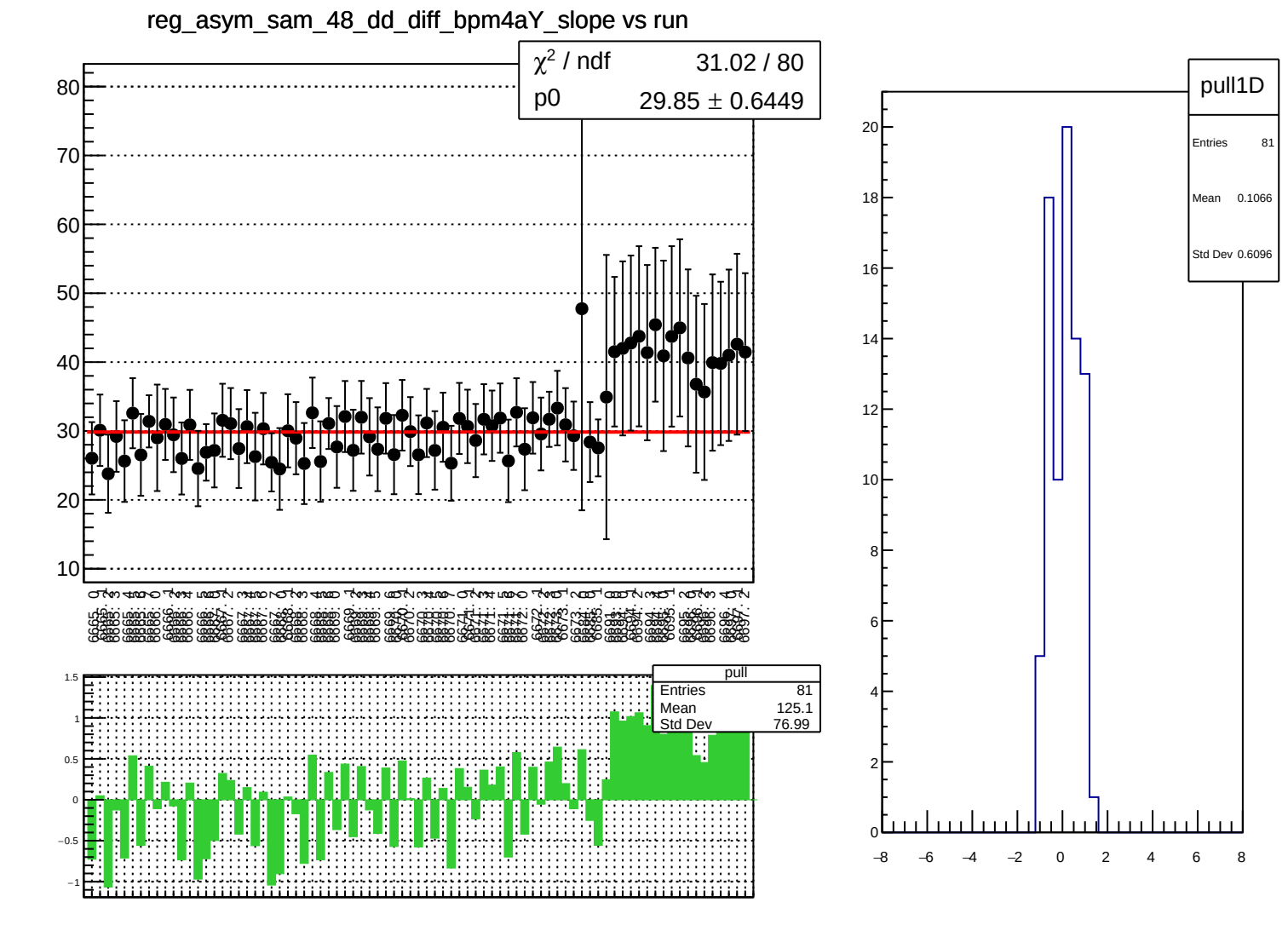

pull1D
Entries 81
Mean −0.0004617
Std Dev 0.4028

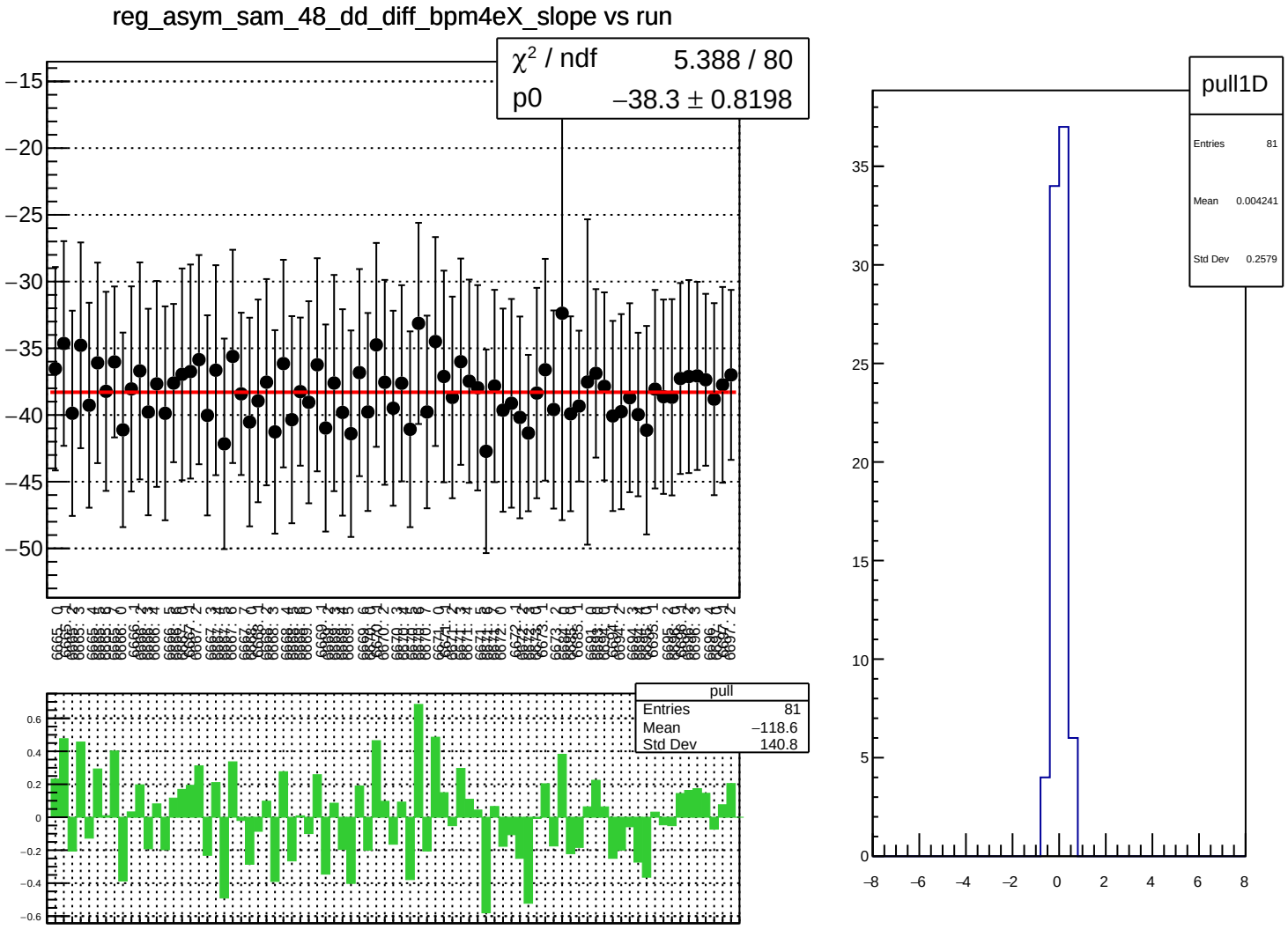

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 128 / 80
p0 109.3 ± 0.8767
pull
Entries 81
Mean 110.2
Std Dev 57.82
pull1D
Entries 81
Mean −0.2685
Std Dev 1.228

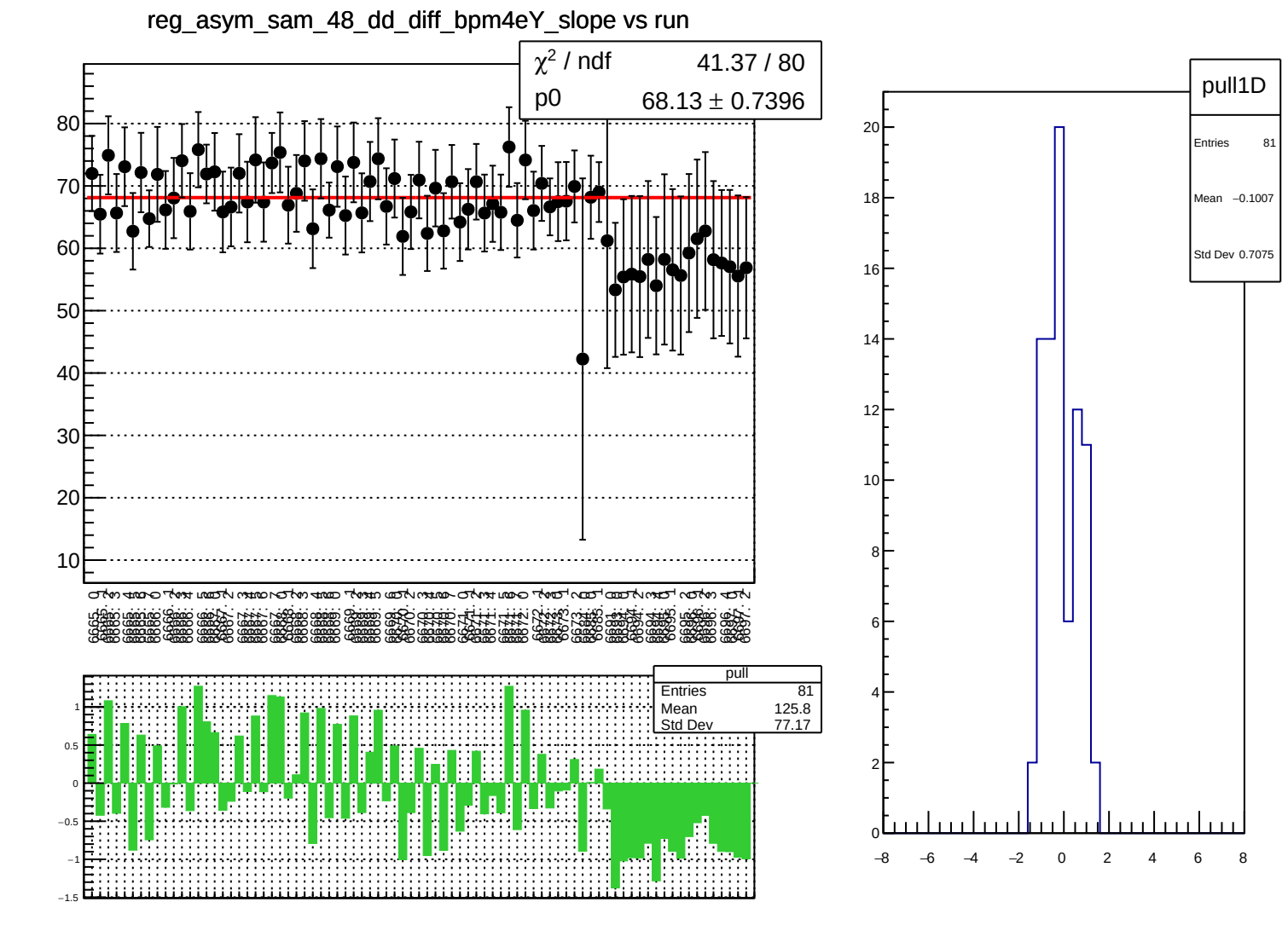

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 116.6 / 80
p0 0.3967 ± 0.03861
pull
Entries 81
Mean 645.6
Std Dev 597.5

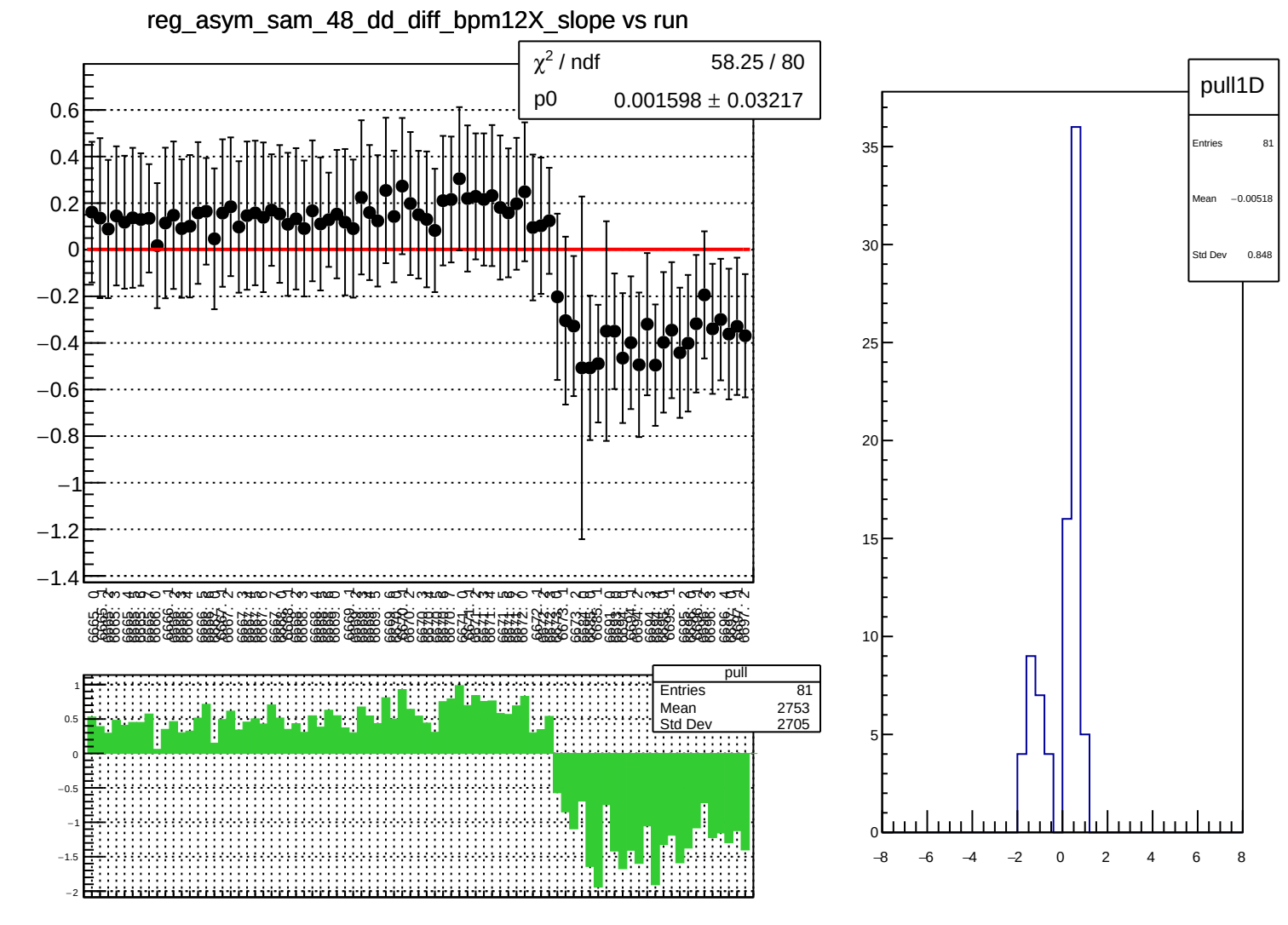

pull1D
Entries 81
Mean −0.03368
Std Dev 1.199

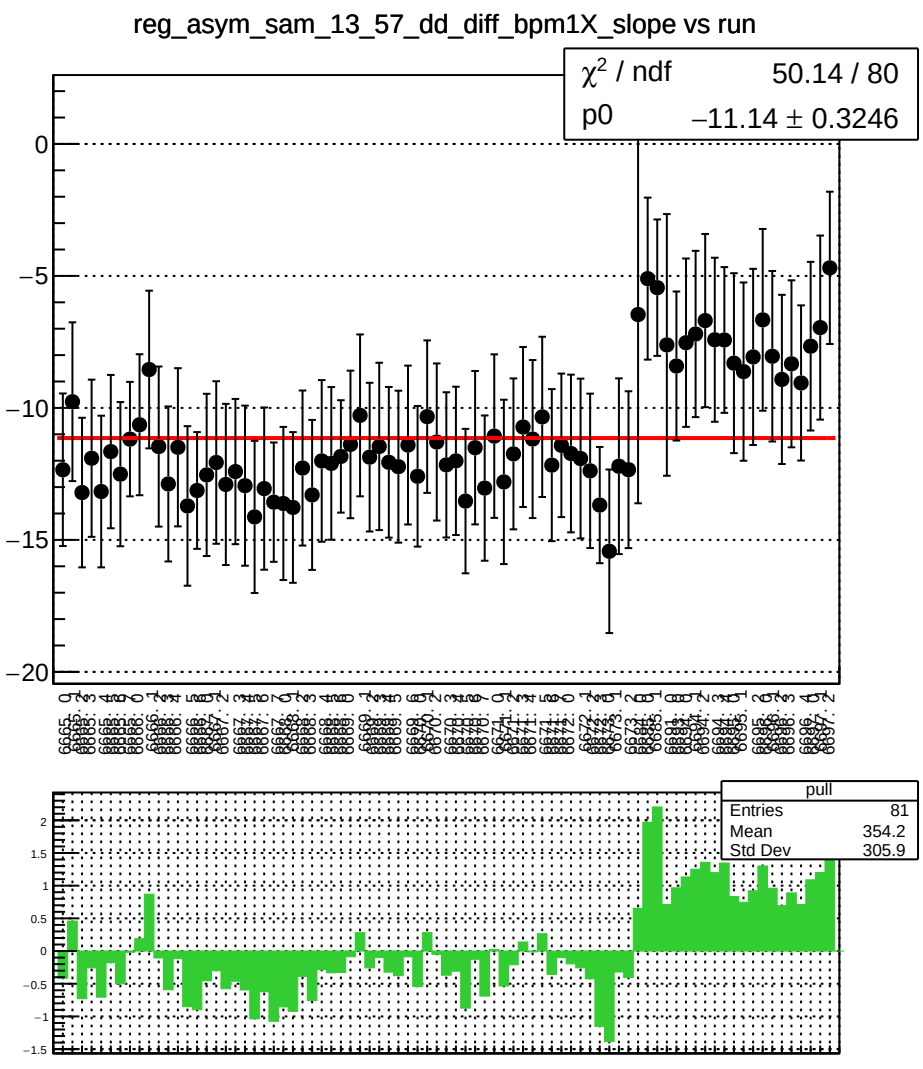

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.205 / 80
p0 −21.04 ± 0.7768
pull
Entries 81
Mean 164.3
Std Dev 98.35
pull1D
Entries 81
Mean −0.006695
Std Dev 0.2278

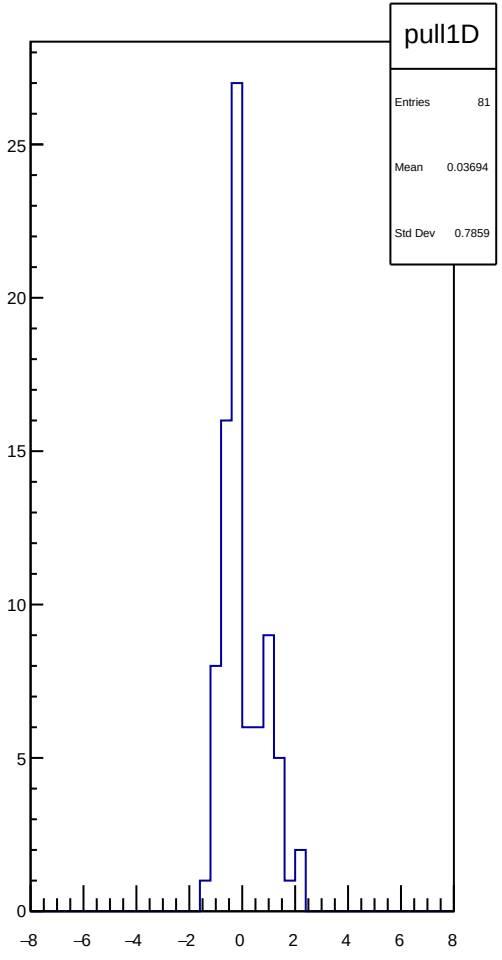

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.02 / 80
p0 29.85 ± 0.6449
pull
Entries 81
Mean 125.1
Std Dev 76.99
pull1D
Entries 81
Mean 0.1066
Std Dev 0.6096

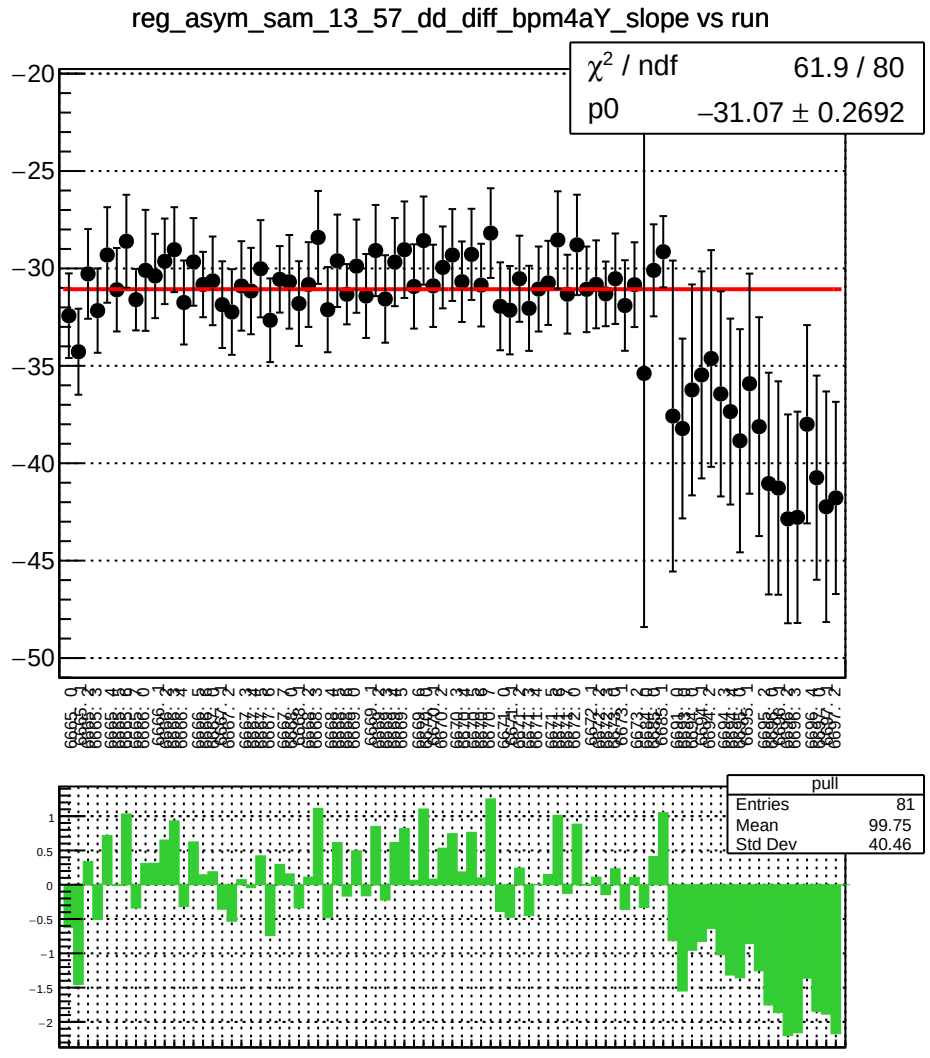

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.388 / 80
p0 −38.3 ± 0.8198
pull
Entries 81
Mean −118.6
Std Dev 140.8
pull1D
Entries 81
Mean 0.004241
Std Dev 0.2579

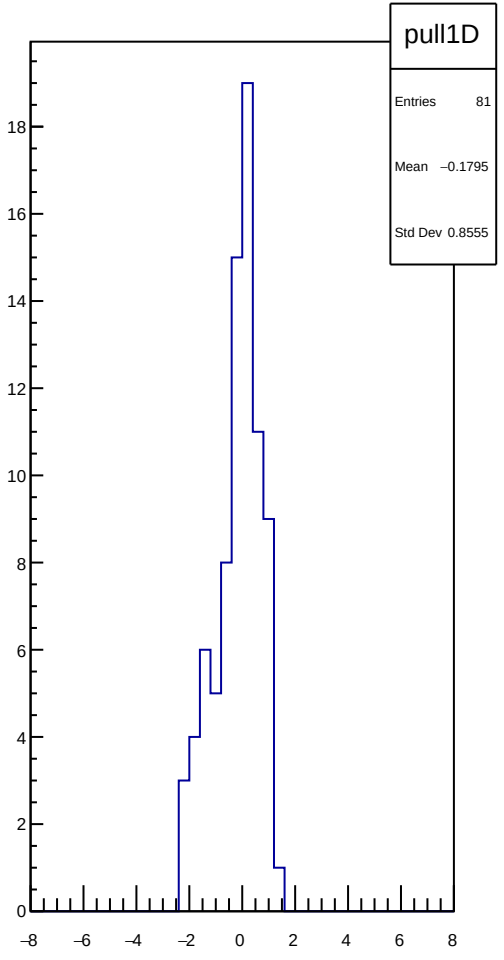

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.37 / 80
p0 68.13 ± 0.7396
pull
Entries 81
Mean 125.8
Std Dev 77.17
pull1D
Entries 81
Mean −0.1007
Std Dev 0.7075

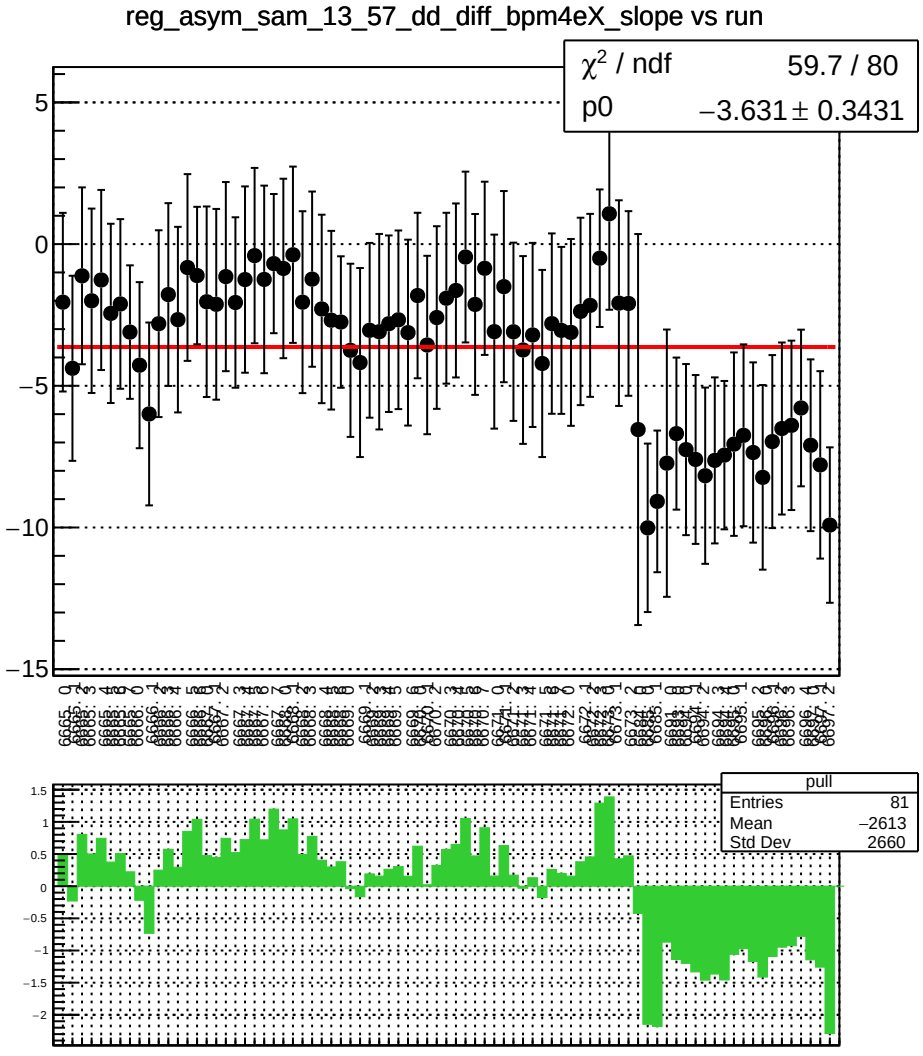

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 58.25 / 80
p0 0.001598 ± 0.03217
pull
Entries 81
Mean 2753
Std Dev 2705
pull1D
Entries 81
Mean −0.00518
Std Dev 0.848

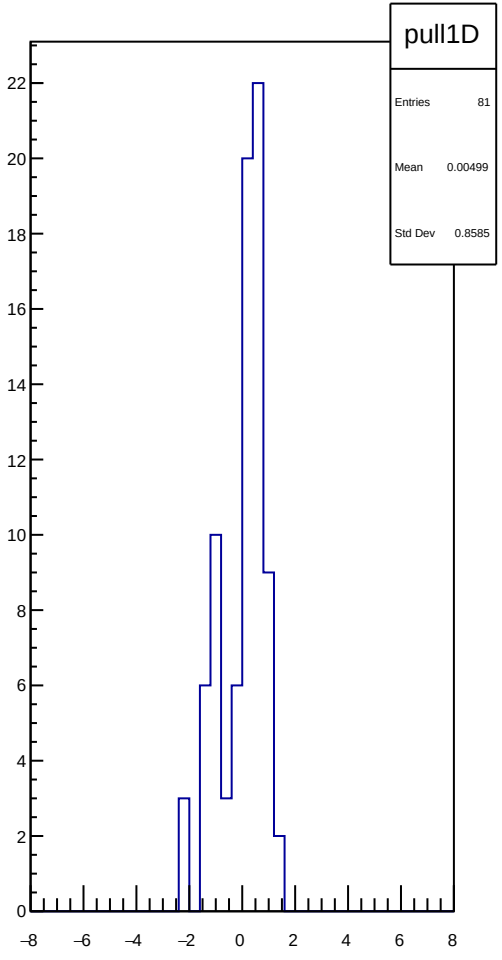

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 50.14 / 80
p0 −11.14 ± 0.3246
pull
Entries 81
Mean 354.2
Std Dev 305.9

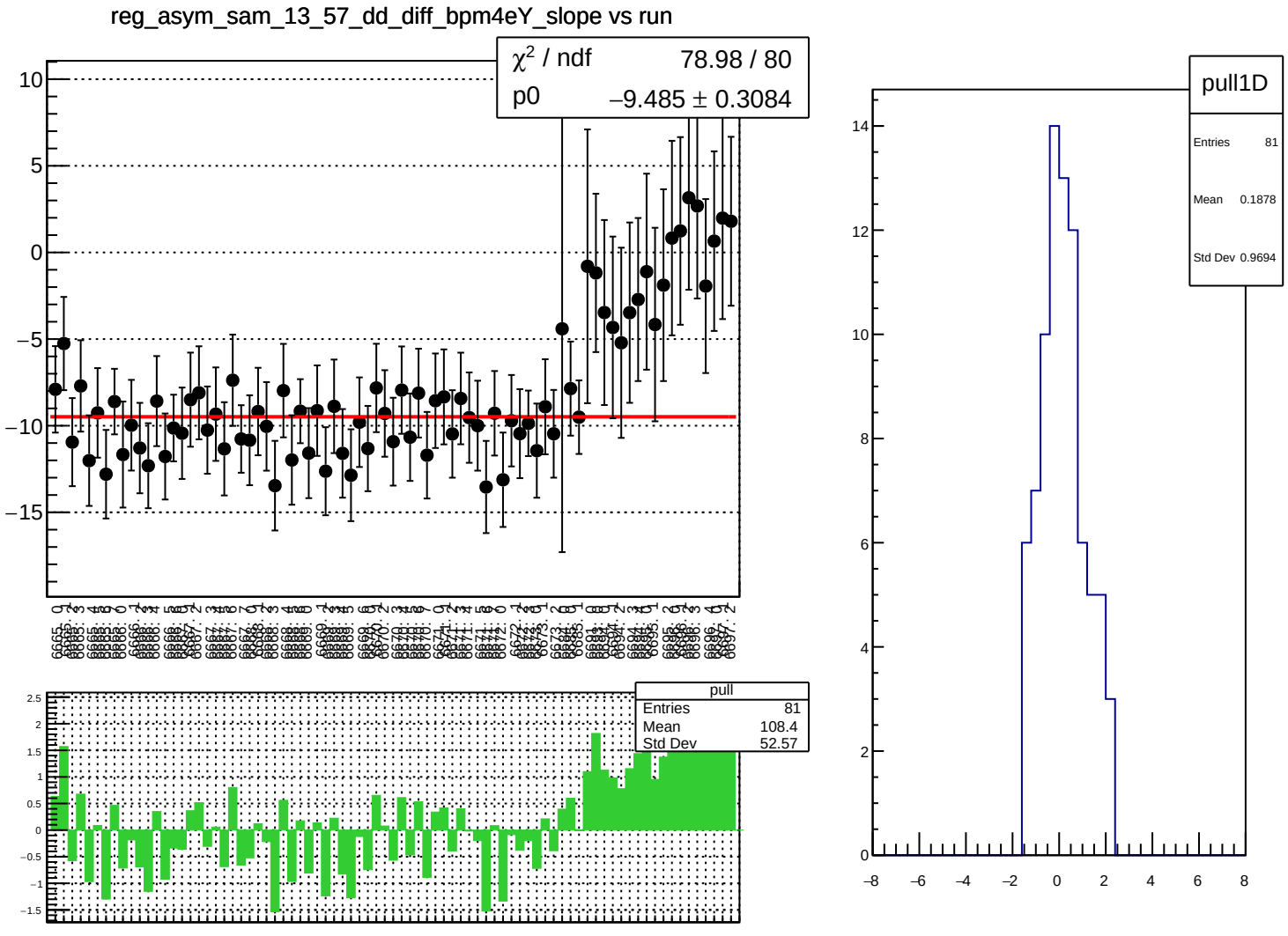

pull1D
Entries 81
Mean 0.03694
Std Dev 0.7859

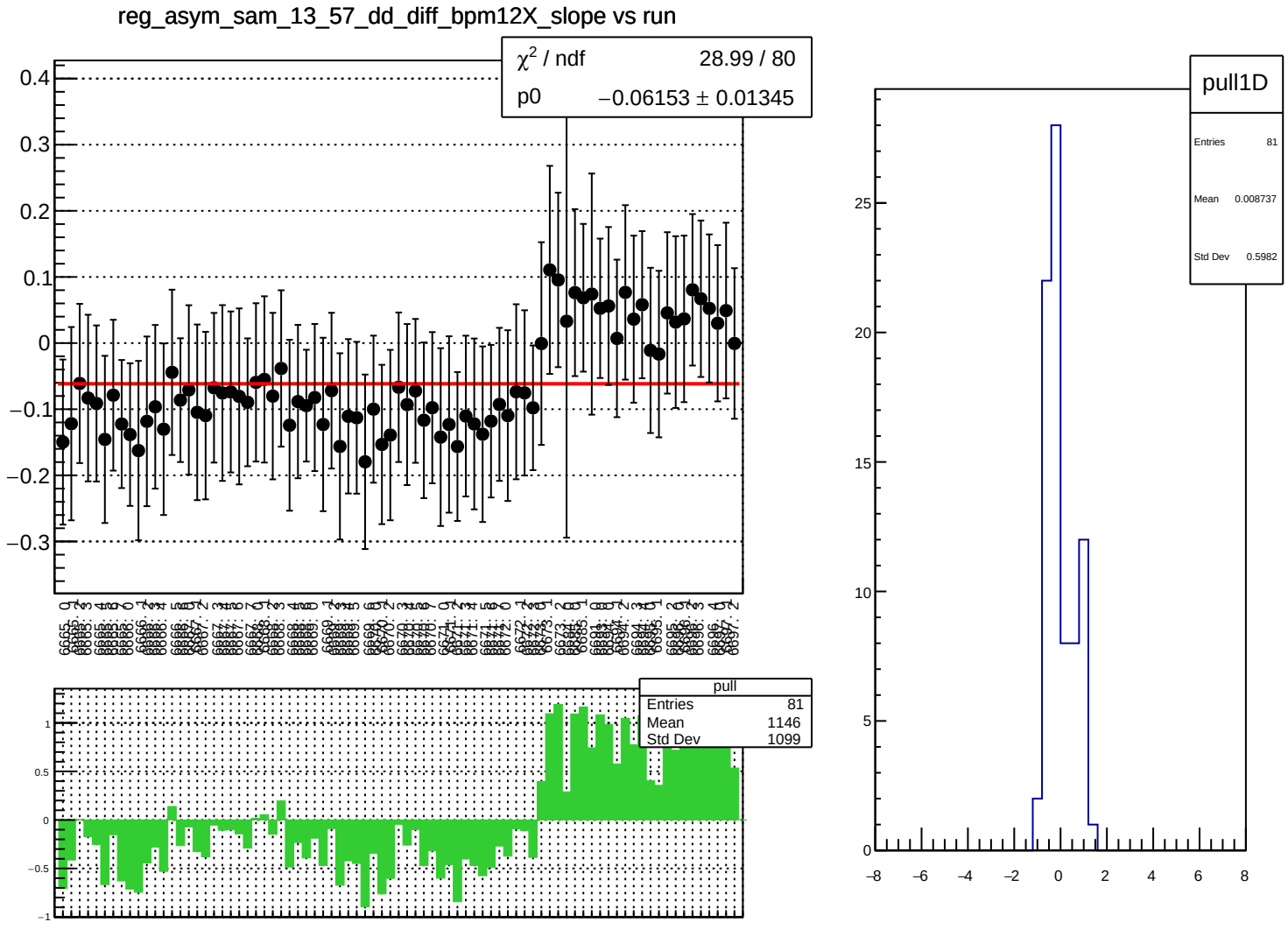

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.9 / 80
p0 −31.07 ± 0.2692
pull
Entries 81
Mean 99.75
Std Dev 40.46

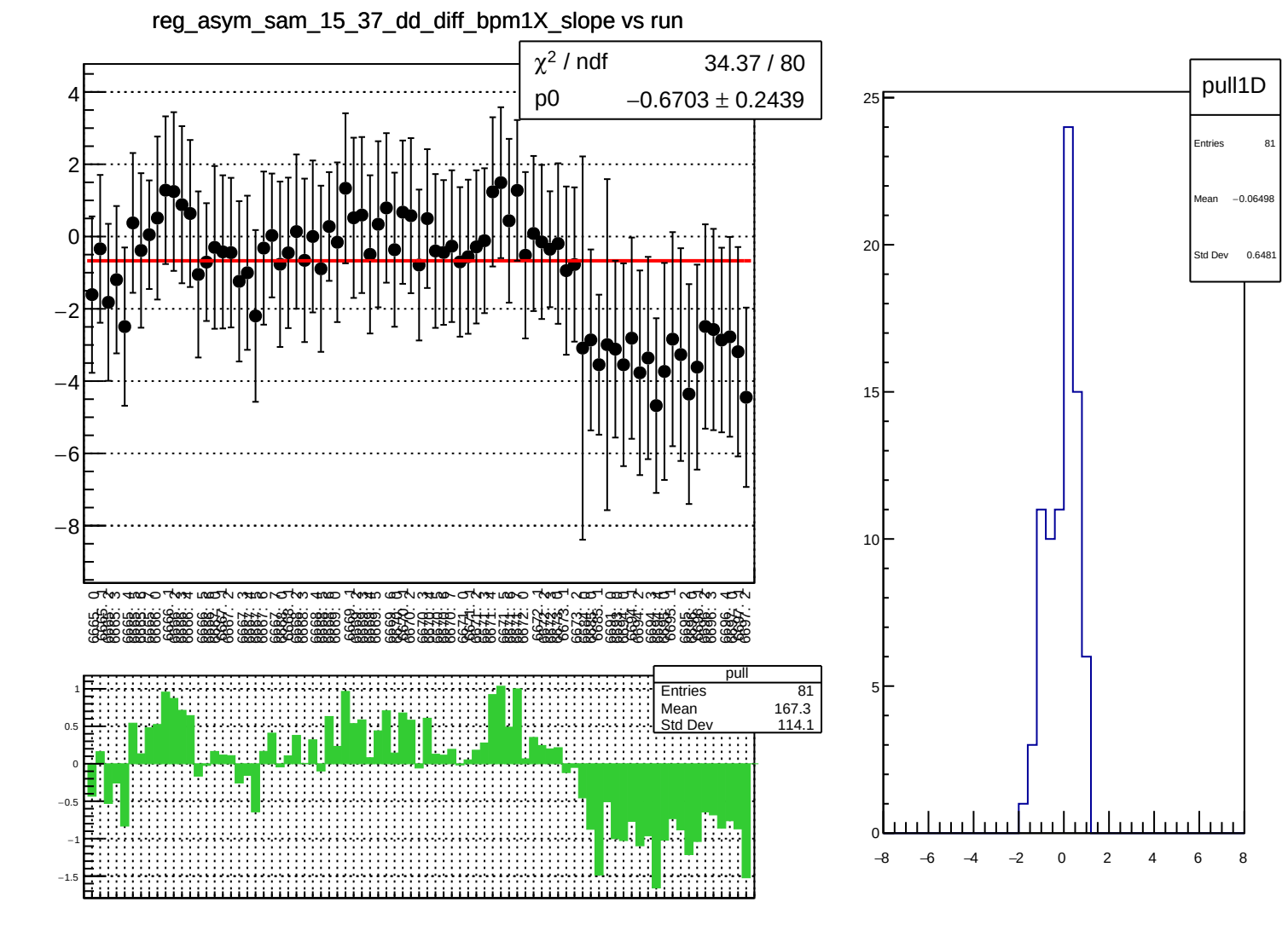

pull1D
Entries 81
Mean −0.1795
Std Dev 0.8555

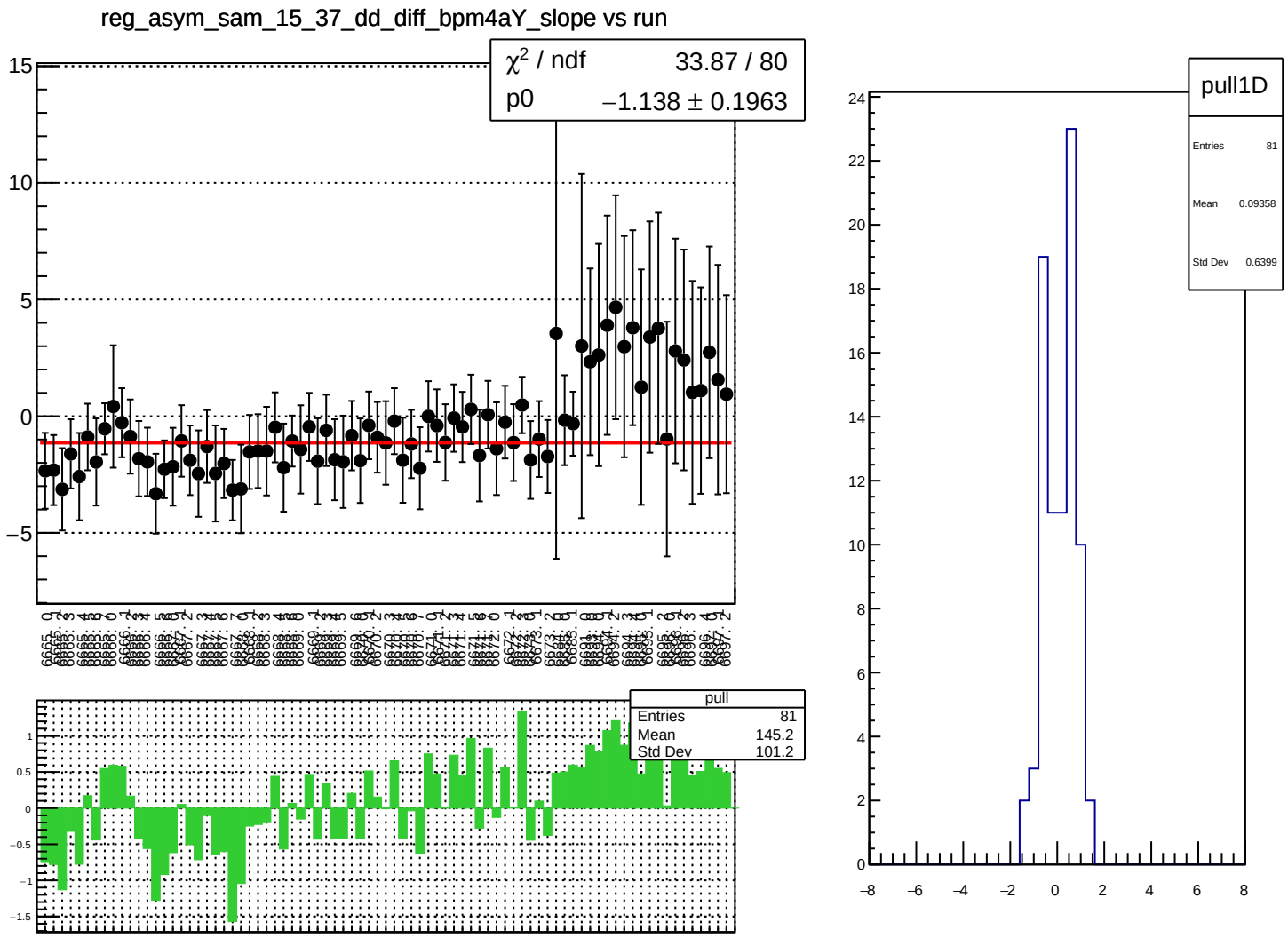

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.7 / 80
p0 −3.631 ± 0.3431
pull
Entries 81
Mean −2613
Std Dev 2660

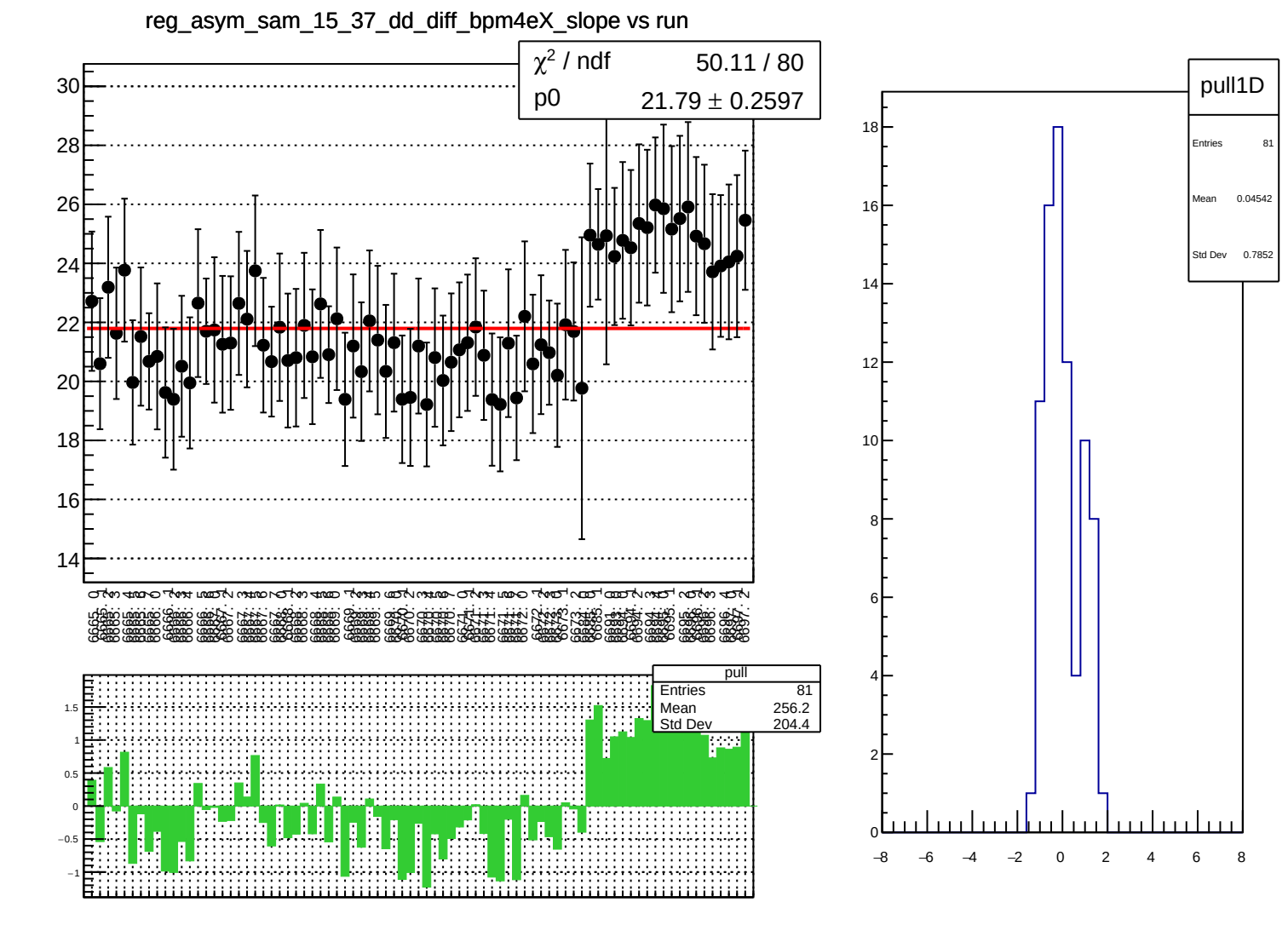

pull1D
Entries 81
Mean 0.00499
Std Dev 0.8585

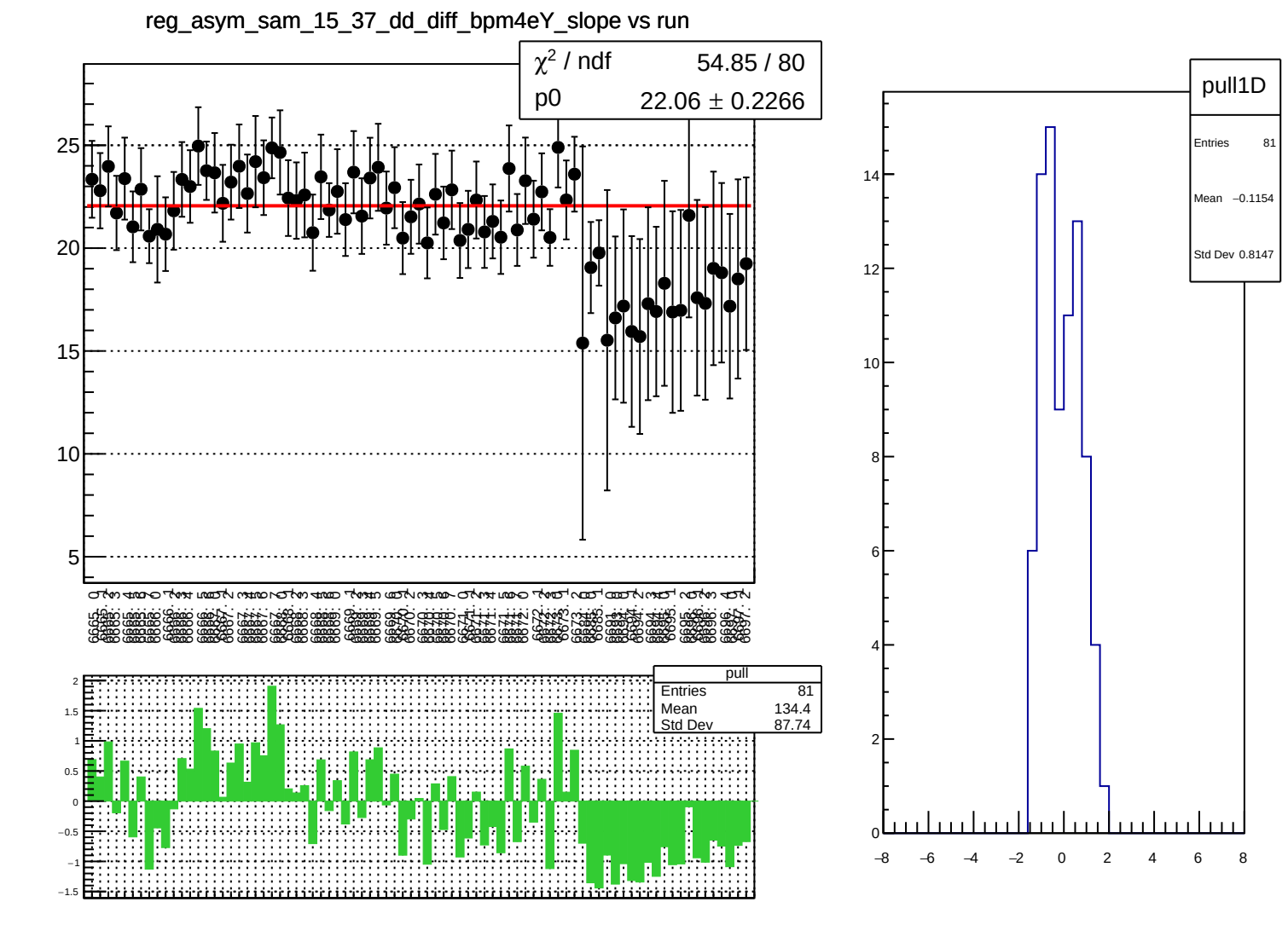

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.98 / 80
p0 −9.485 ± 0.3084
pull
Entries 81
Mean 108.4
Std Dev 52.57
pull1D
Entries 81
Mean 0.1878
Std Dev 0.9694

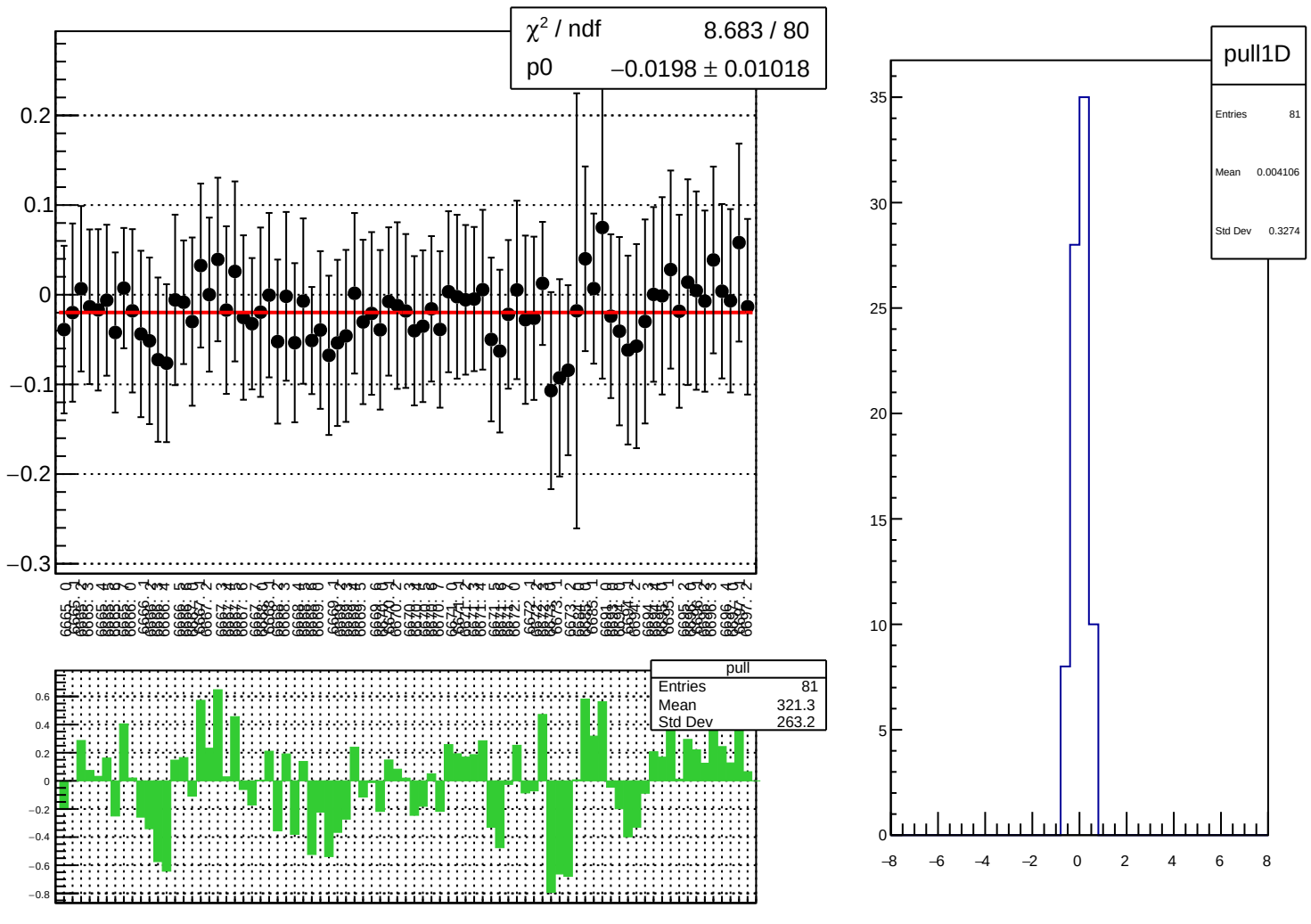

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 28.99 / 80
p0 −0.06153 ± 0.01345
pull
Entries 81
Mean 1146
Std Dev 1099
pull1D
Entries 81
Mean 0.008737
Std Dev 0.5982

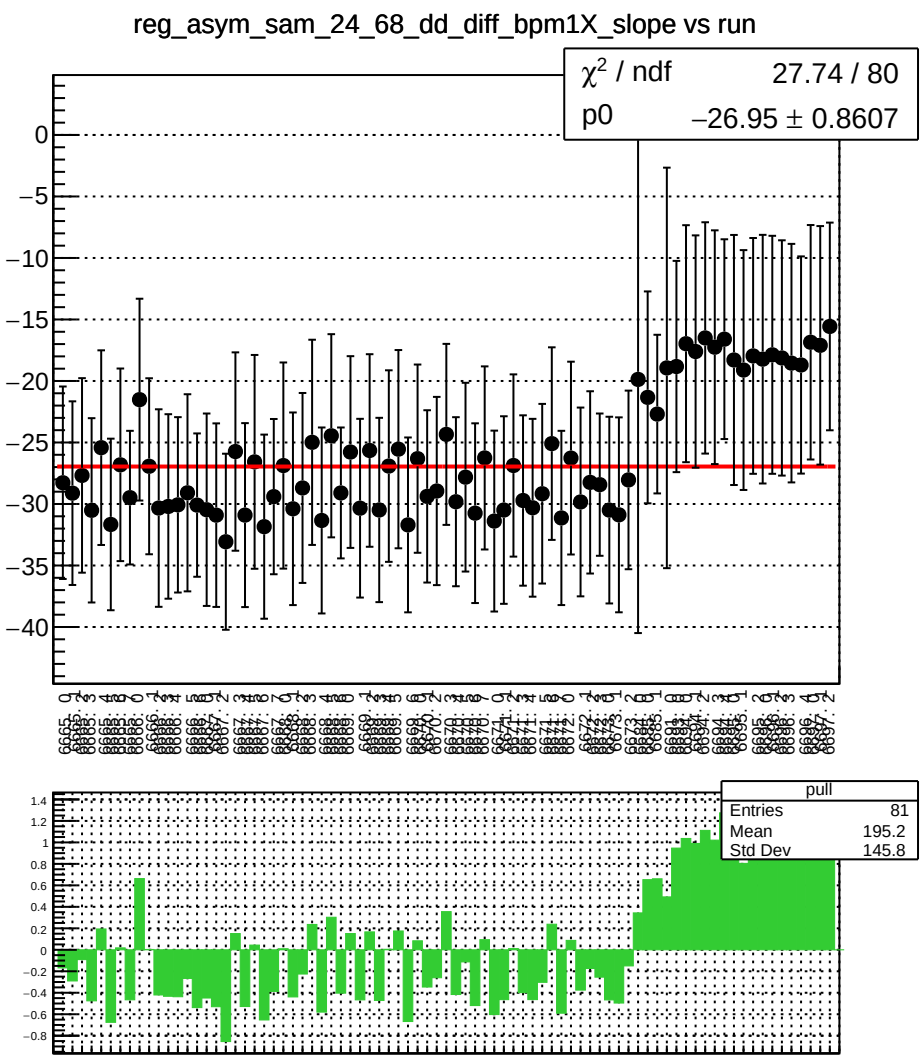

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 34.37 / 80
p0 −0.6703 ± 0.2439
pull
Entries 81
Mean 167.3
Std Dev 114.1
pull1D
Entries 81
Mean −0.06498
Std Dev 0.6481

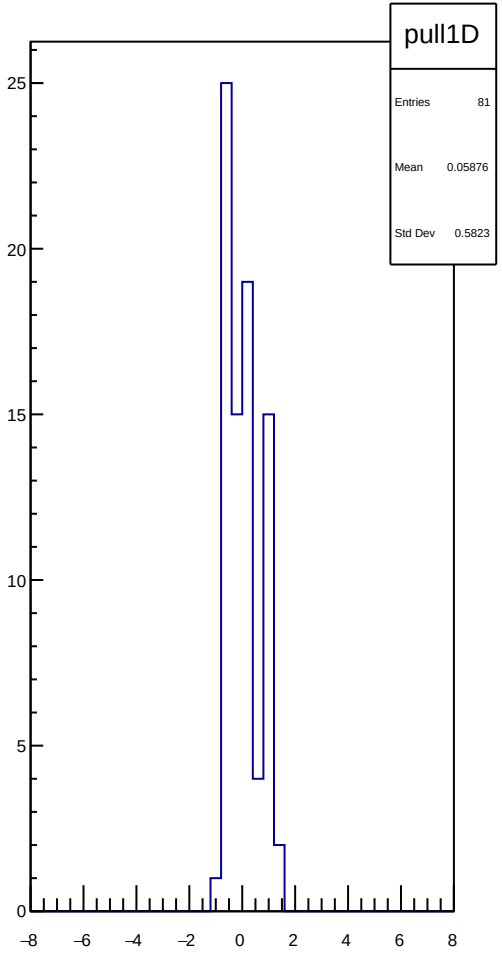

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.87 / 80
p0 −1.138 ± 0.1963
pull
Entries 81
Mean 145.2
Std Dev 101.2
pull1D
Entries 81
Mean 0.09358
Std Dev 0.6399

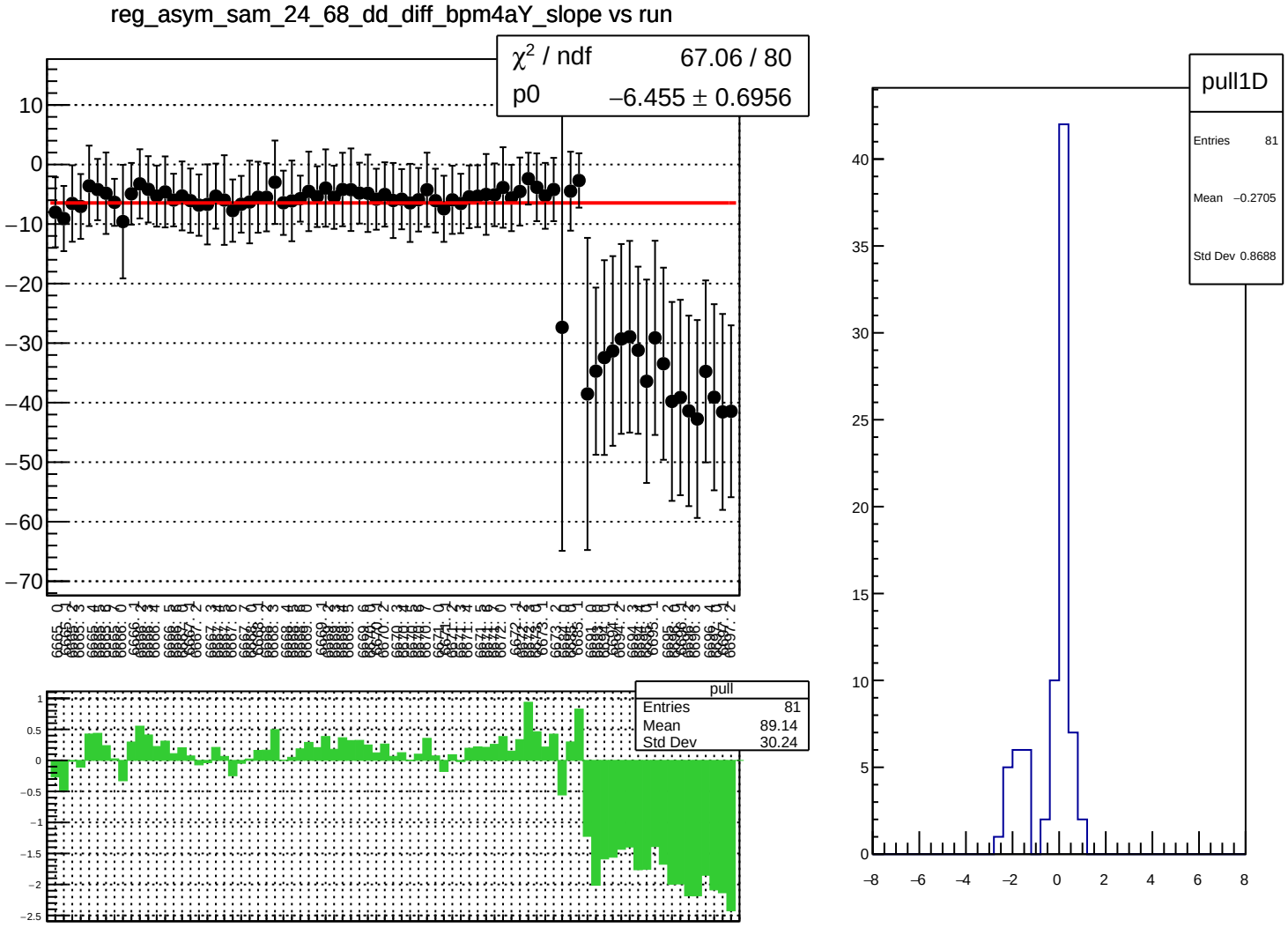

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.11 / 80
p0 21.79 ± 0.2597
pull
Entries 81
Mean 256.2
Std Dev 204.4
pull1D
Entries 81
Mean 0.04542
Std Dev 0.7852

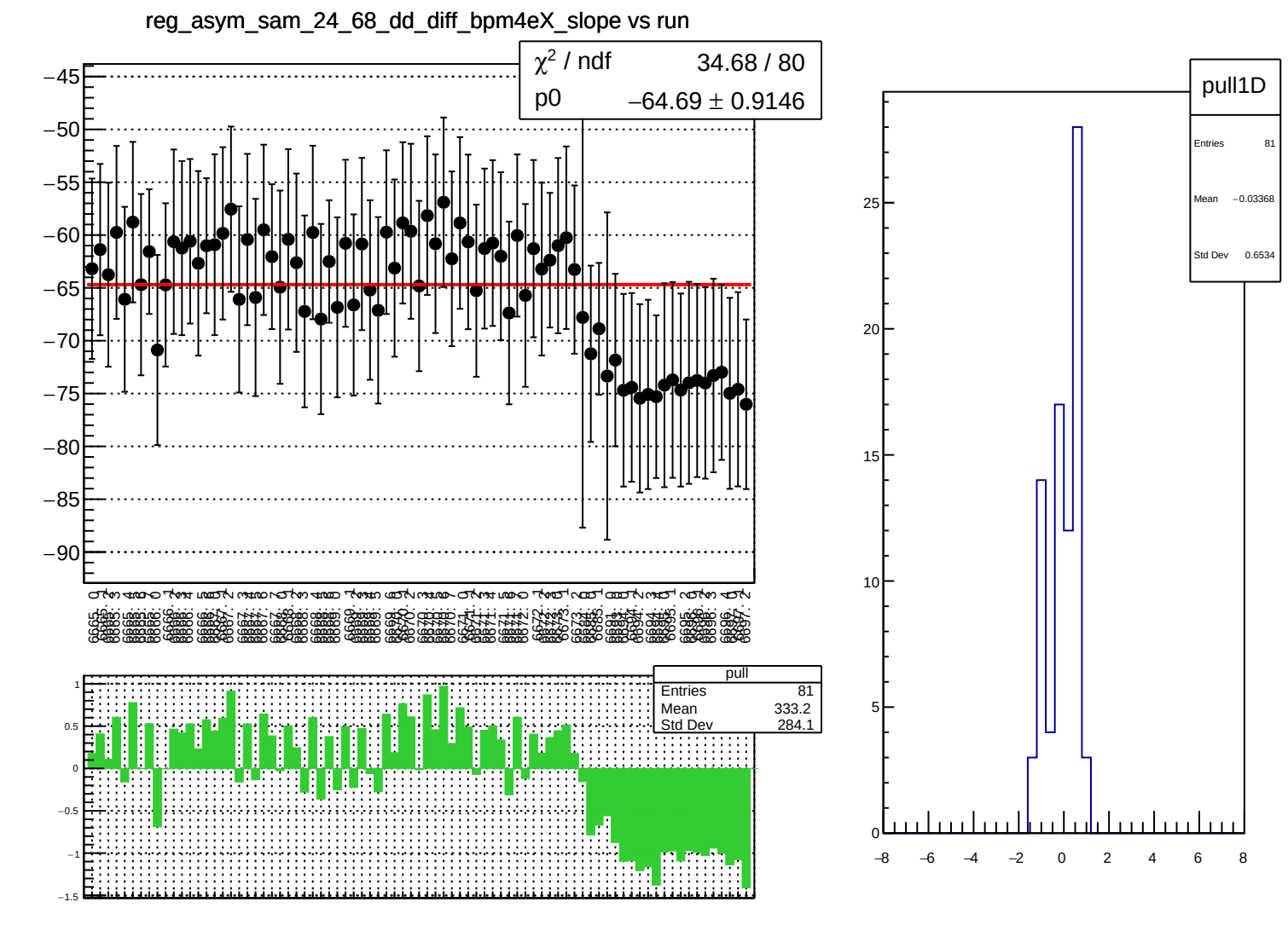

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 54.85 / 80
p0 22.06 ± 0.2266
pull
Entries 81
Mean 134.4
Std Dev 87.74
pull1D
Entries 81
Mean −0.1154
Std Dev 0.8147

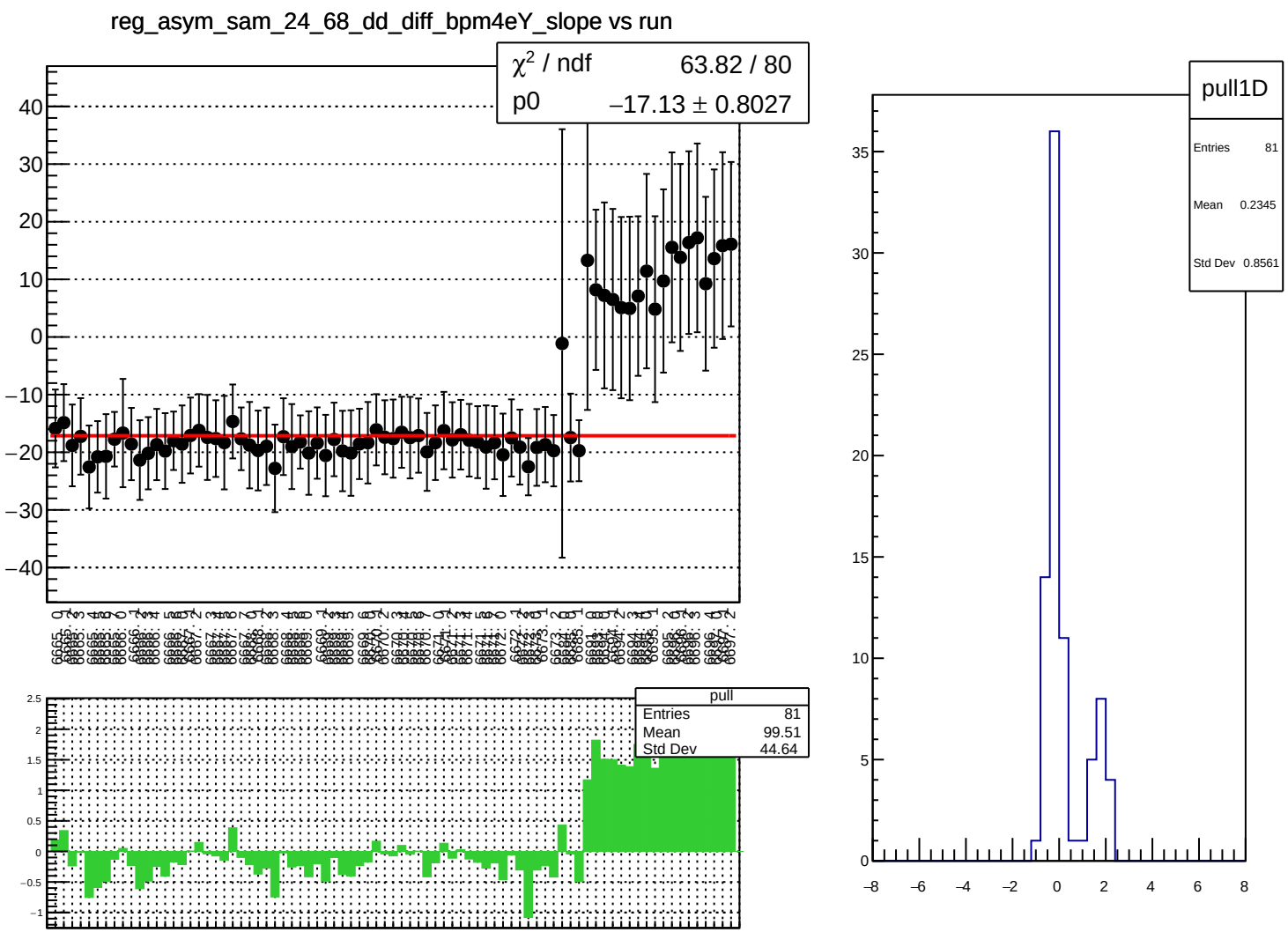

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 8.683 / 80
p0 −0.0198 ± 0.01018
pull
Entries 81
Mean 321.3
Std Dev 263.2
pull1D
Entries 81
Mean 0.004106
Std Dev 0.3274

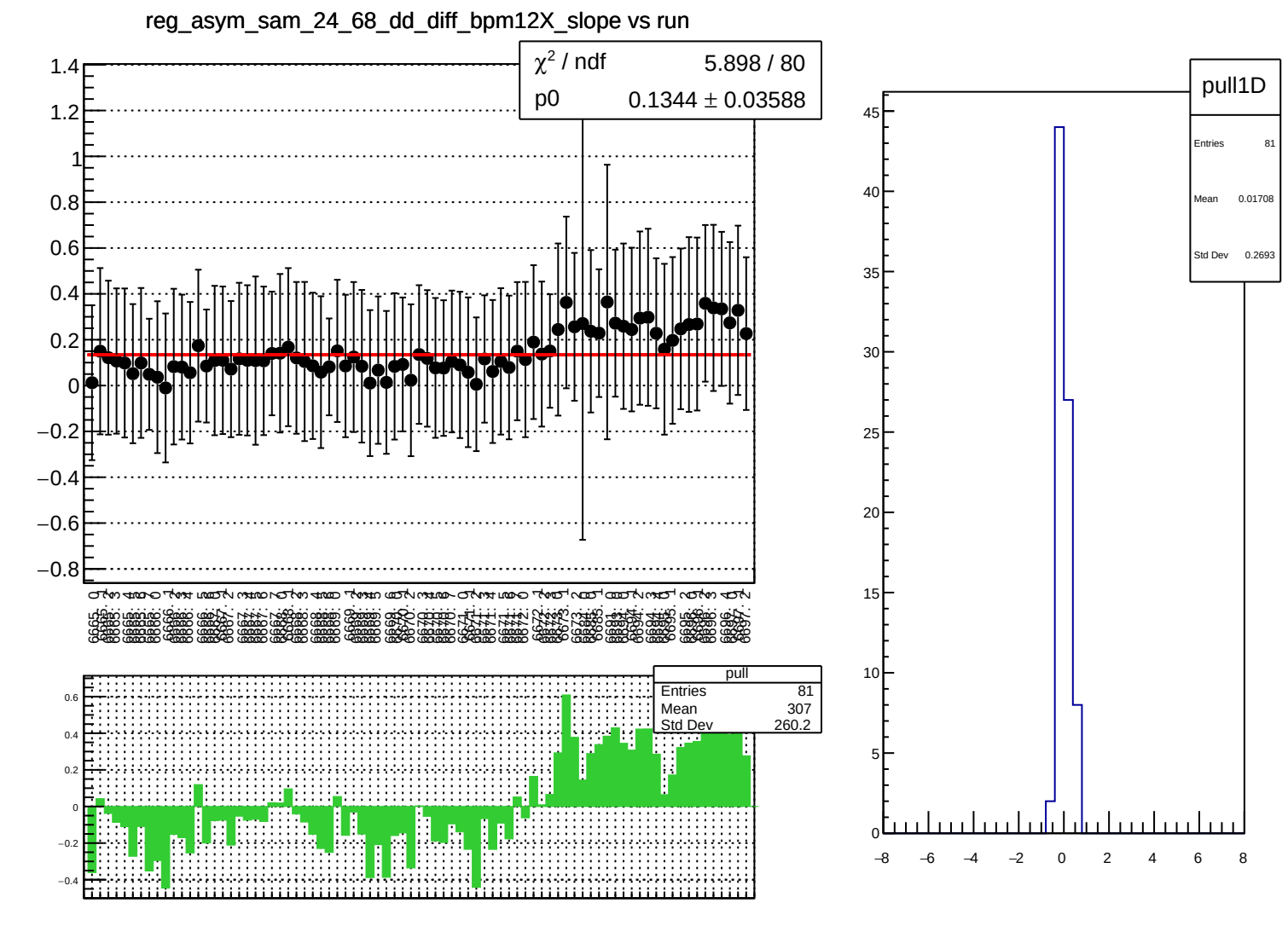

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 27.74 / 80
p0 −26.95 ± 0.8607
pull
Entries 81
Mean 195.2
Std Dev 145.8

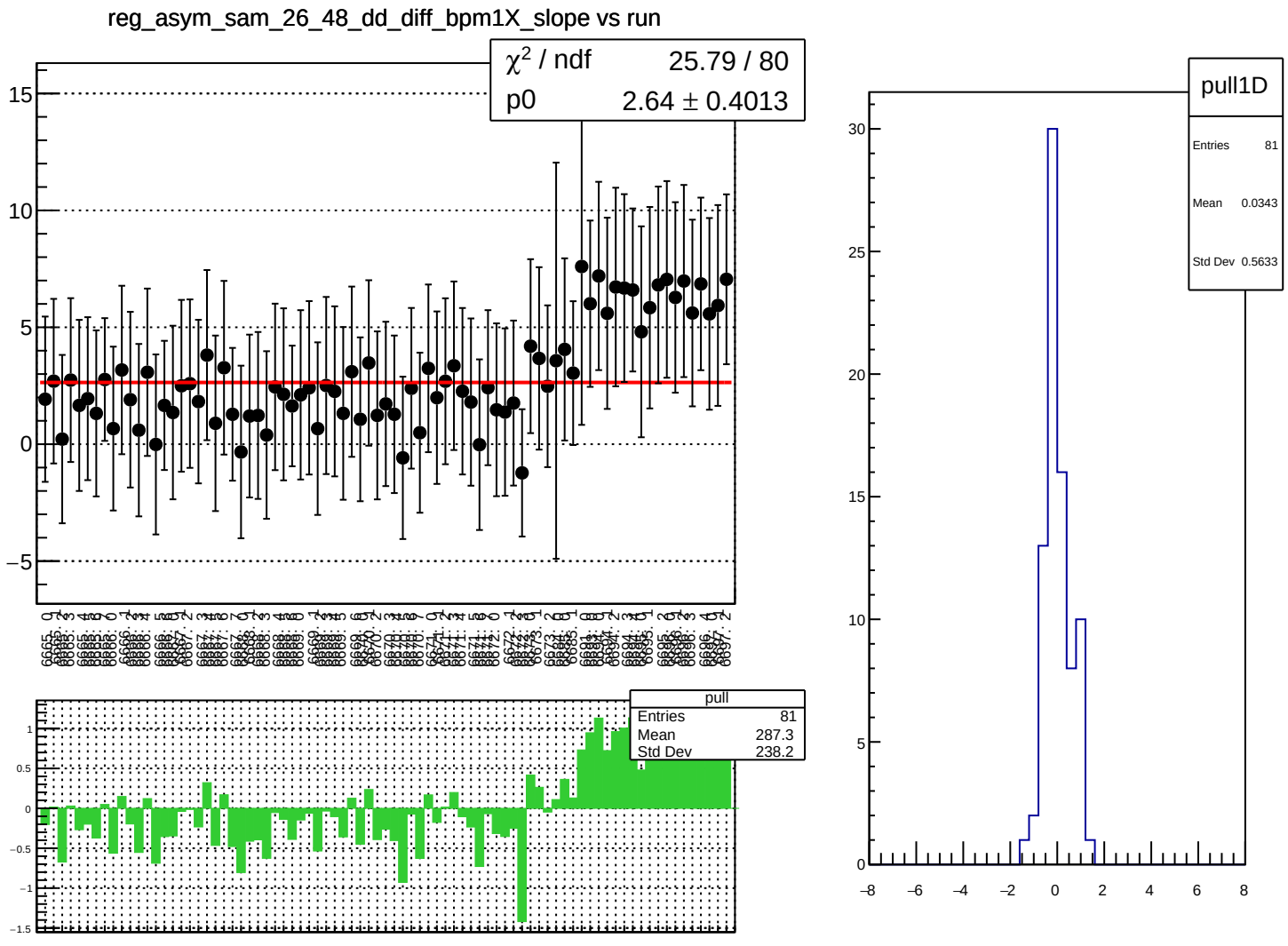

pull1D
Entries 81
Mean 0.05876
Std Dev 0.5823

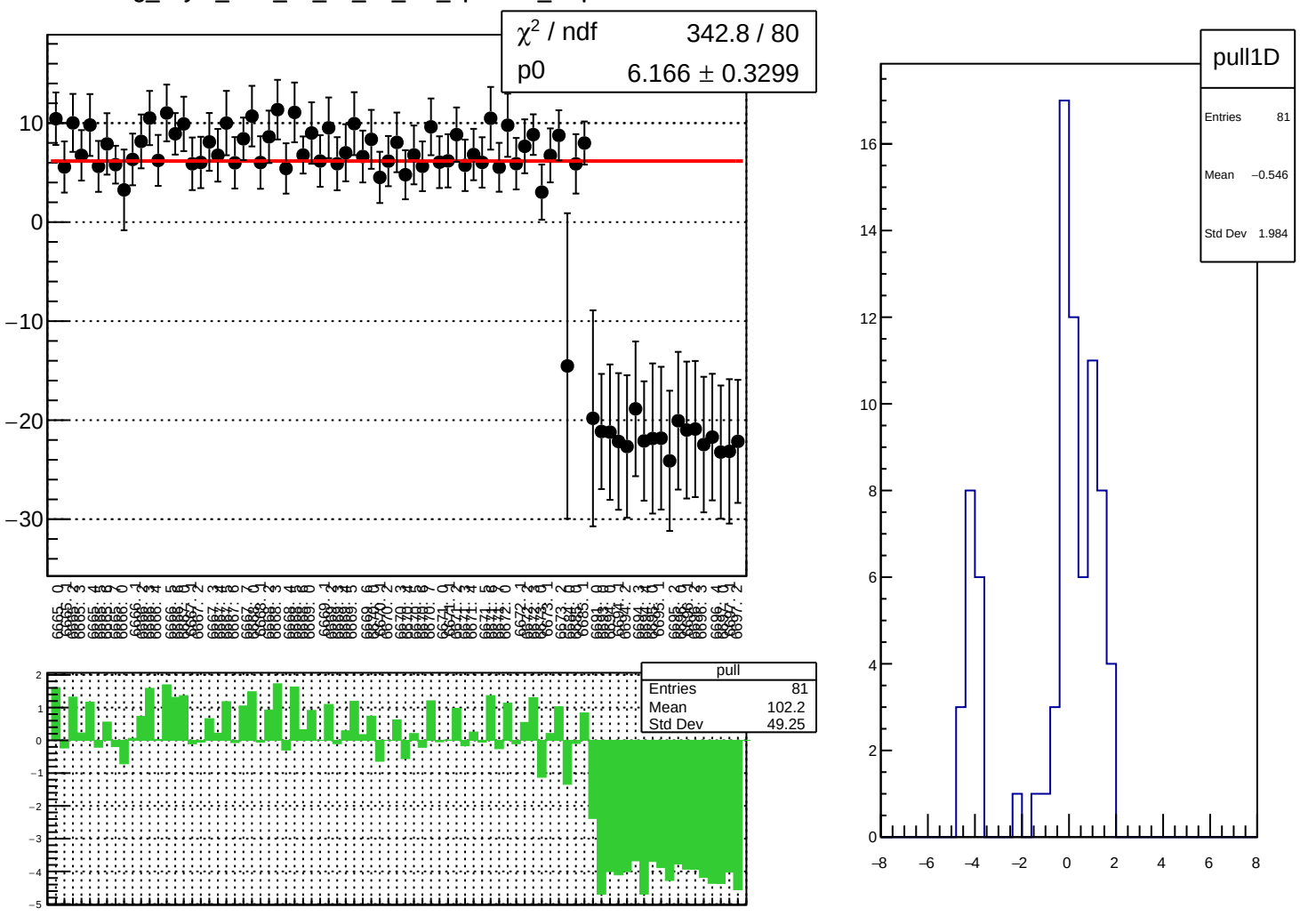

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.06 / 80
p0 −6.455 ± 0.6956
pull
Entries 81
Mean 89.14
Std Dev 30.24
pull1D
Entries 81
Mean −0.2705
Std Dev 0.8688

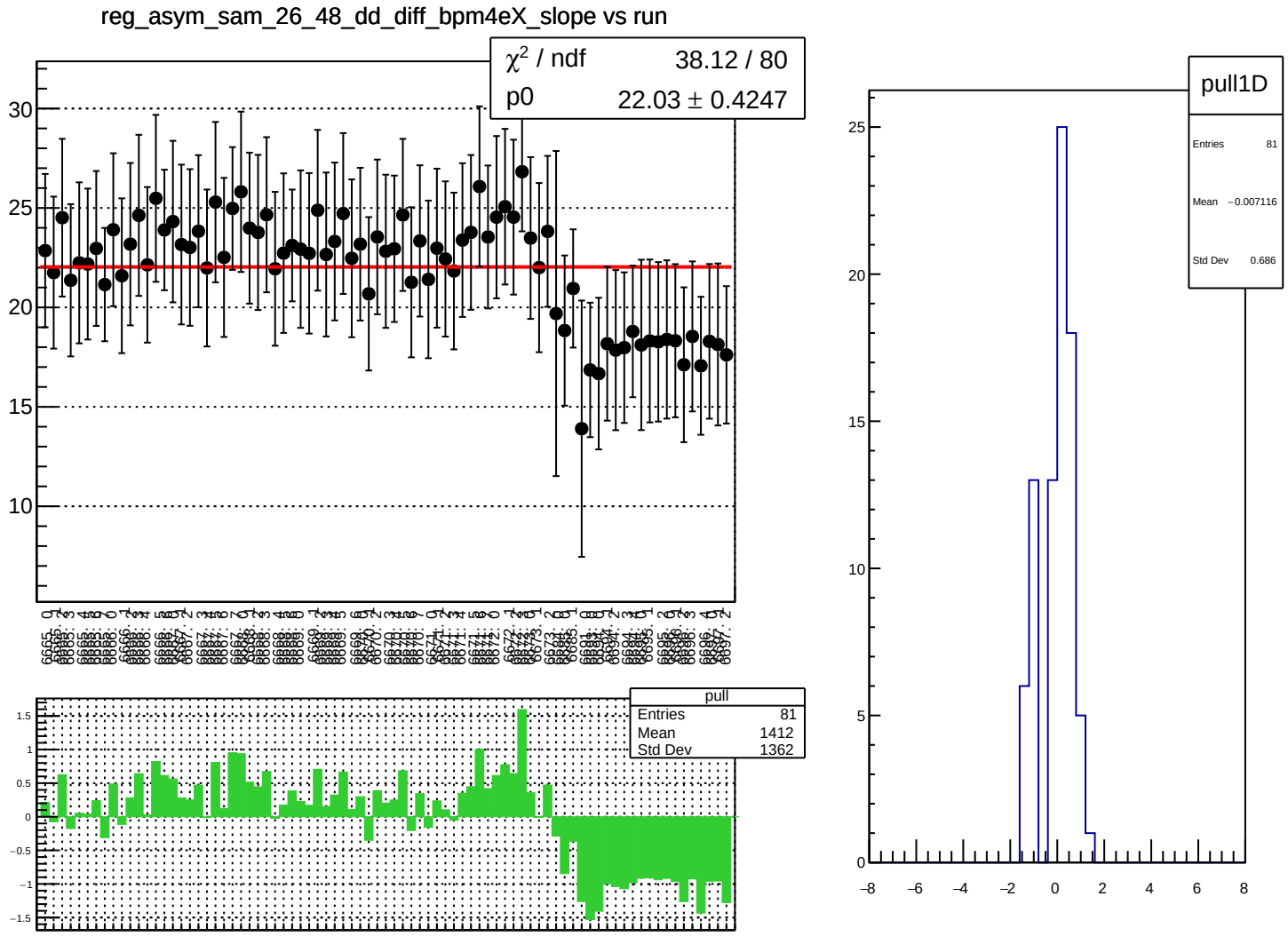

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.68 / 80
p0 −64.69 ± 0.9146
pull
Entries 81
Mean 333.2
Std Dev 284.1
pull1D
Entries 81
Mean −0.03368
Std Dev 0.6534

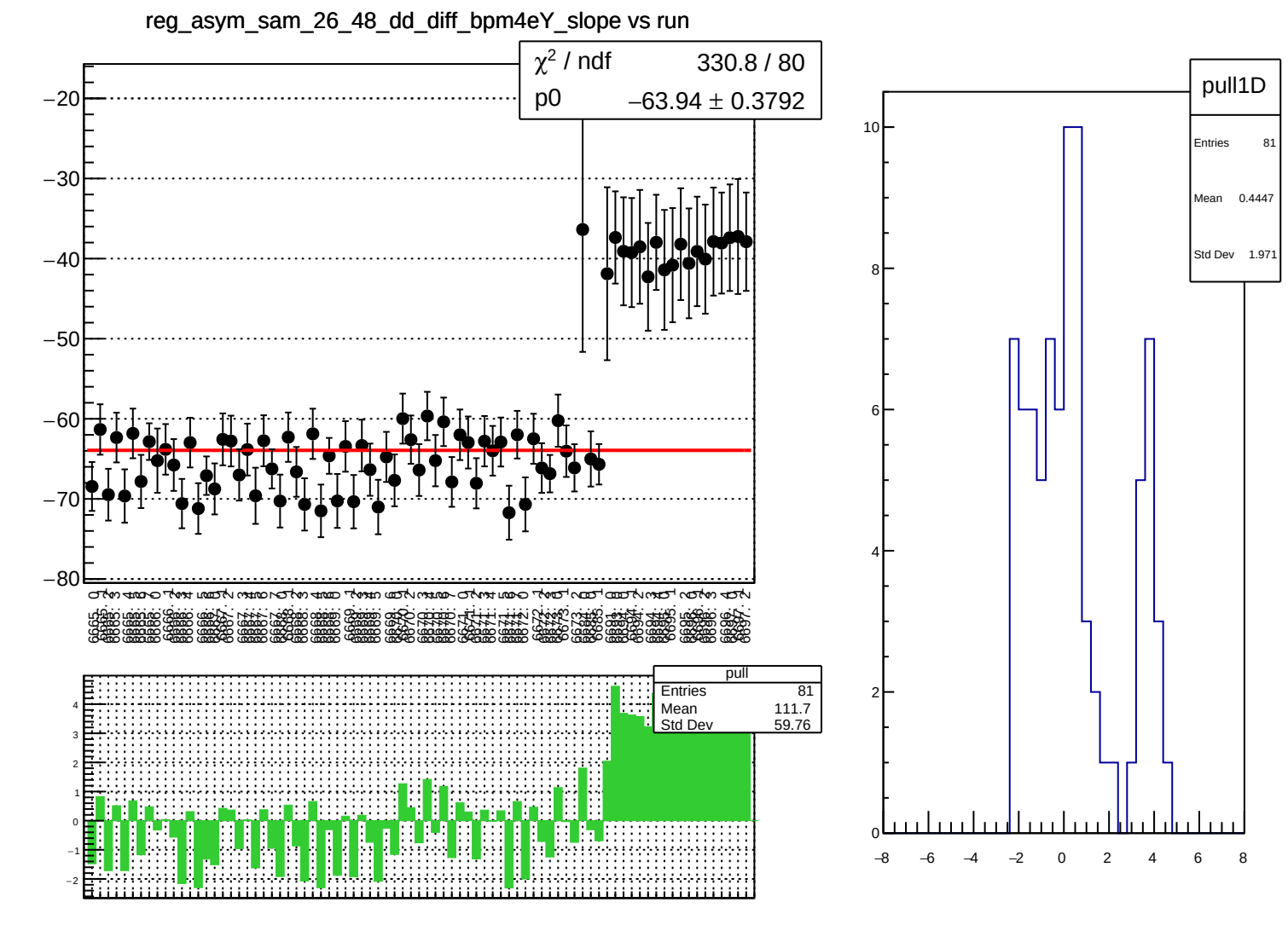

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.82 / 80
p0 −17.13 ± 0.8027
pull
Entries 81
Mean 99.51
Std Dev 44.64
pull1D
Entries 81
Mean 0.2345
Std Dev 0.8561

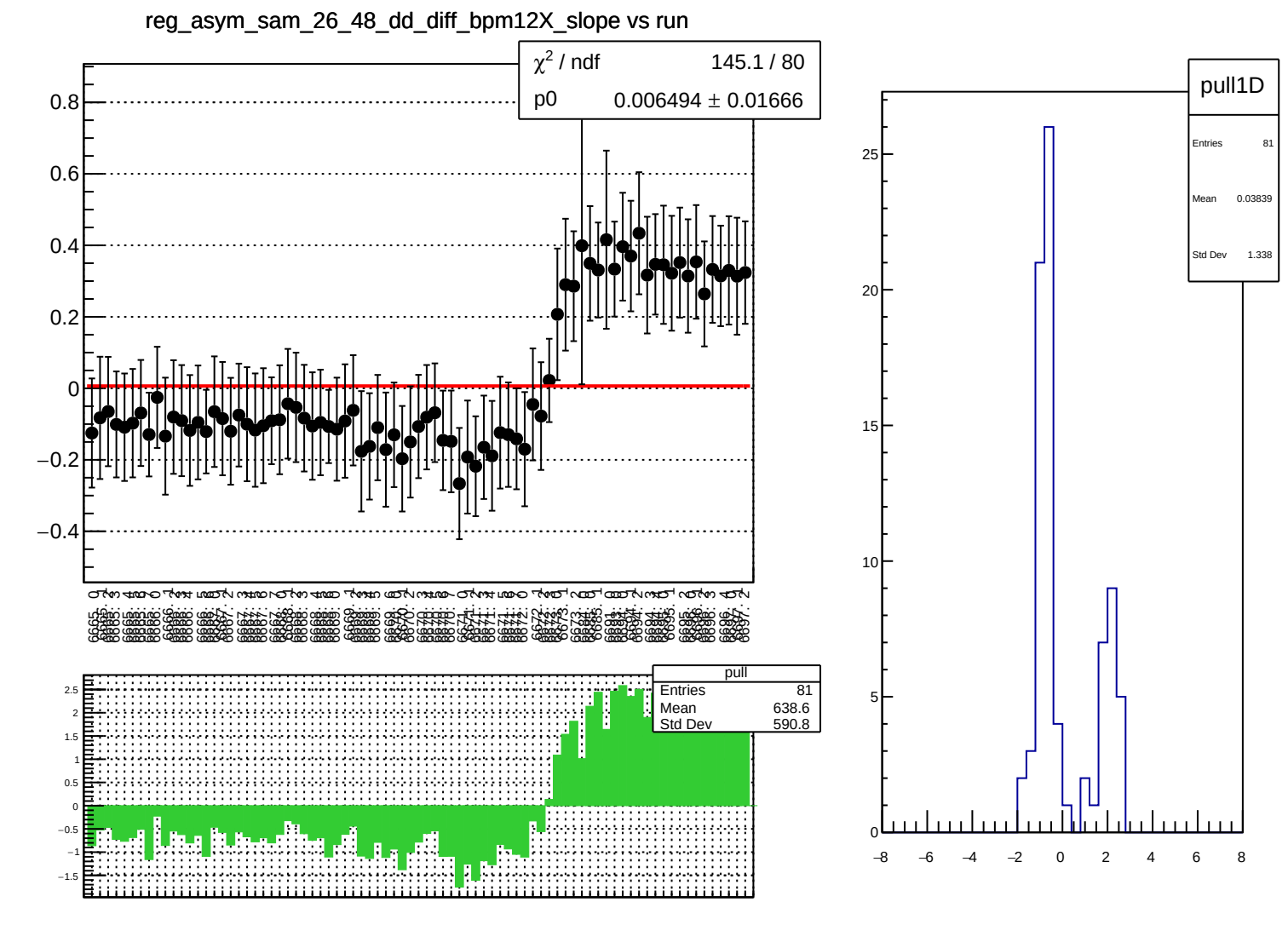

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 5.898 / 80
p0 0.1344 ± 0.03588
pull
Entries 81
Mean 307
Std Dev 260.2
pull1D
Entries 81
Mean 0.01708
Std Dev 0.2693

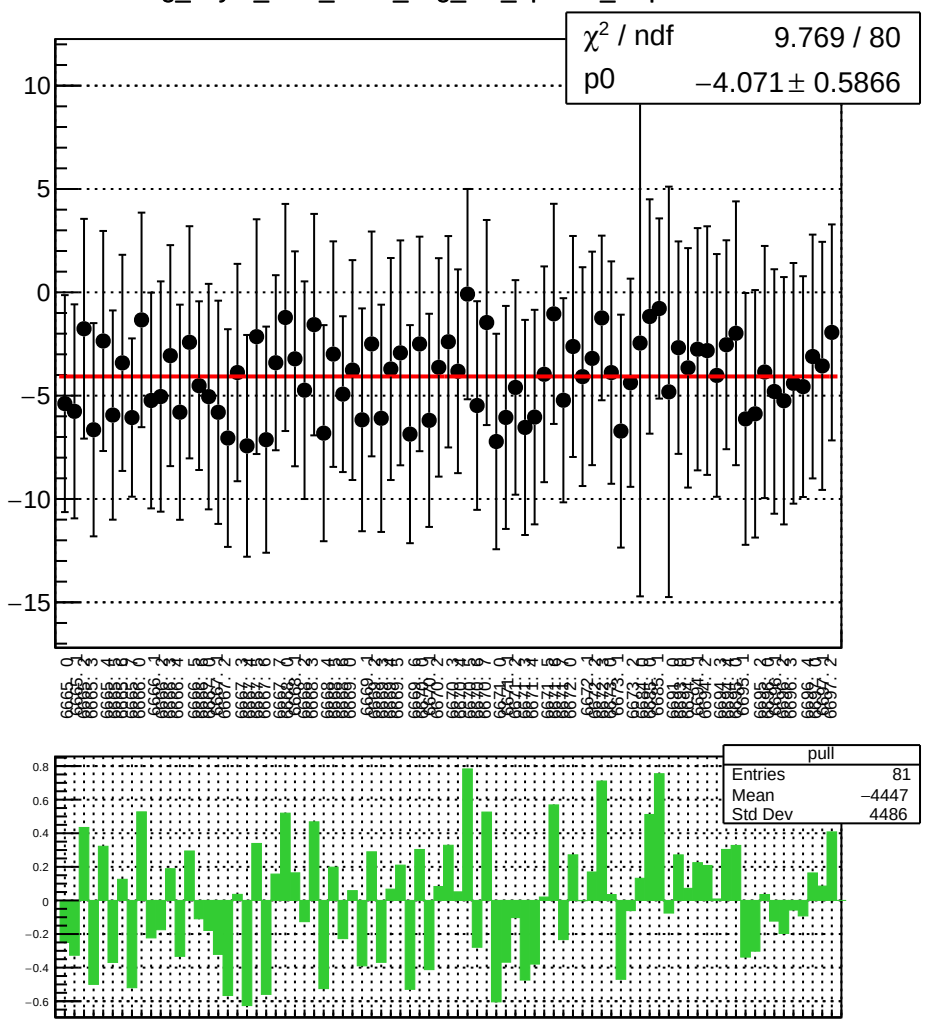

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 25.79 / 80
p0 2.64 ± 0.4013
pull
Entries 81
Mean 287.3
Std Dev 238.2
pull1D
Entries 81
Mean 0.0343
Std Dev 0.5633

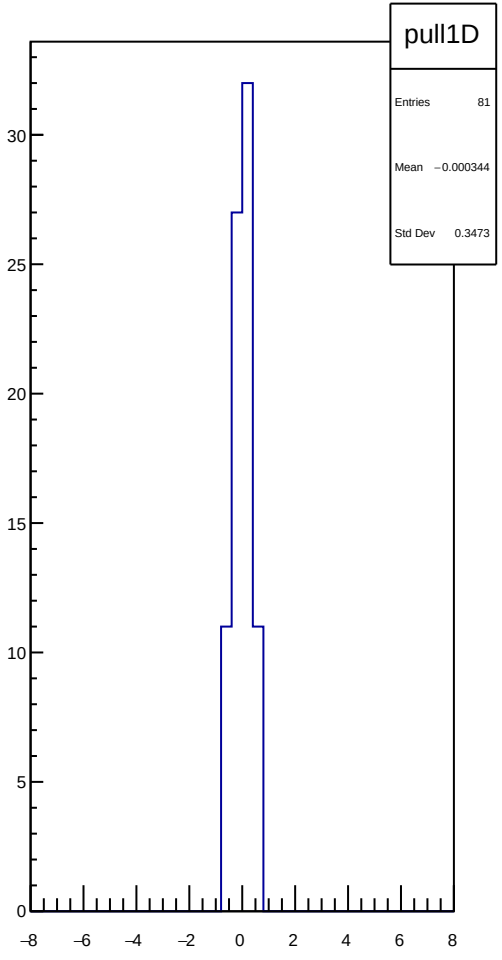

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 342.8 / 80
p0 6.166 ± 0.3299
pull
Entries 81
Mean 102.2
Std Dev 49.25
pull1D
Entries 81
Mean −0.546
Std Dev 1.984

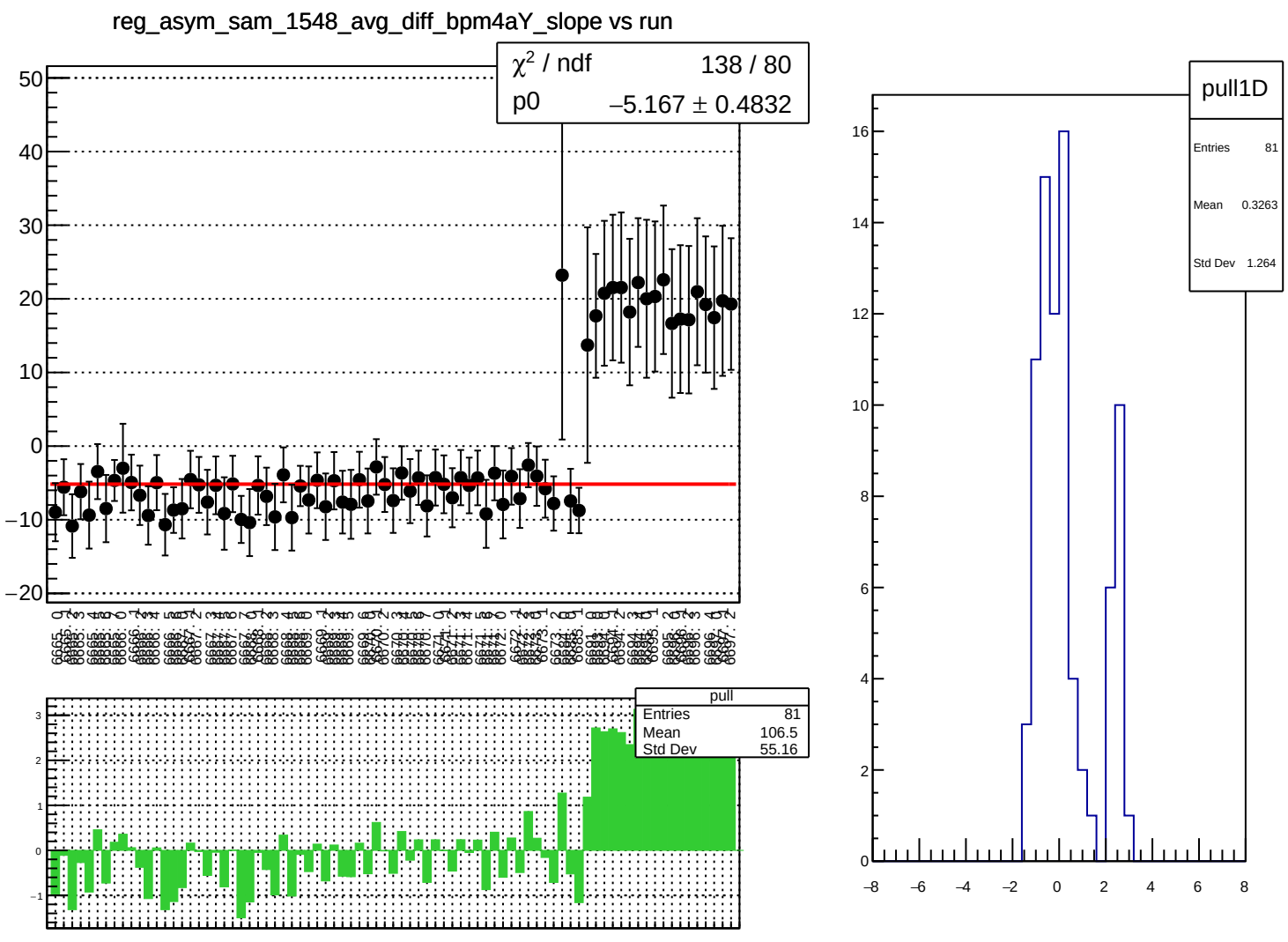

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.12 / 80
p0 22.03 ± 0.4247
pull
Entries 81
Mean 1412
Std Dev 1362
pull1D
Entries 81
Mean −0.007116
Std Dev 0.686

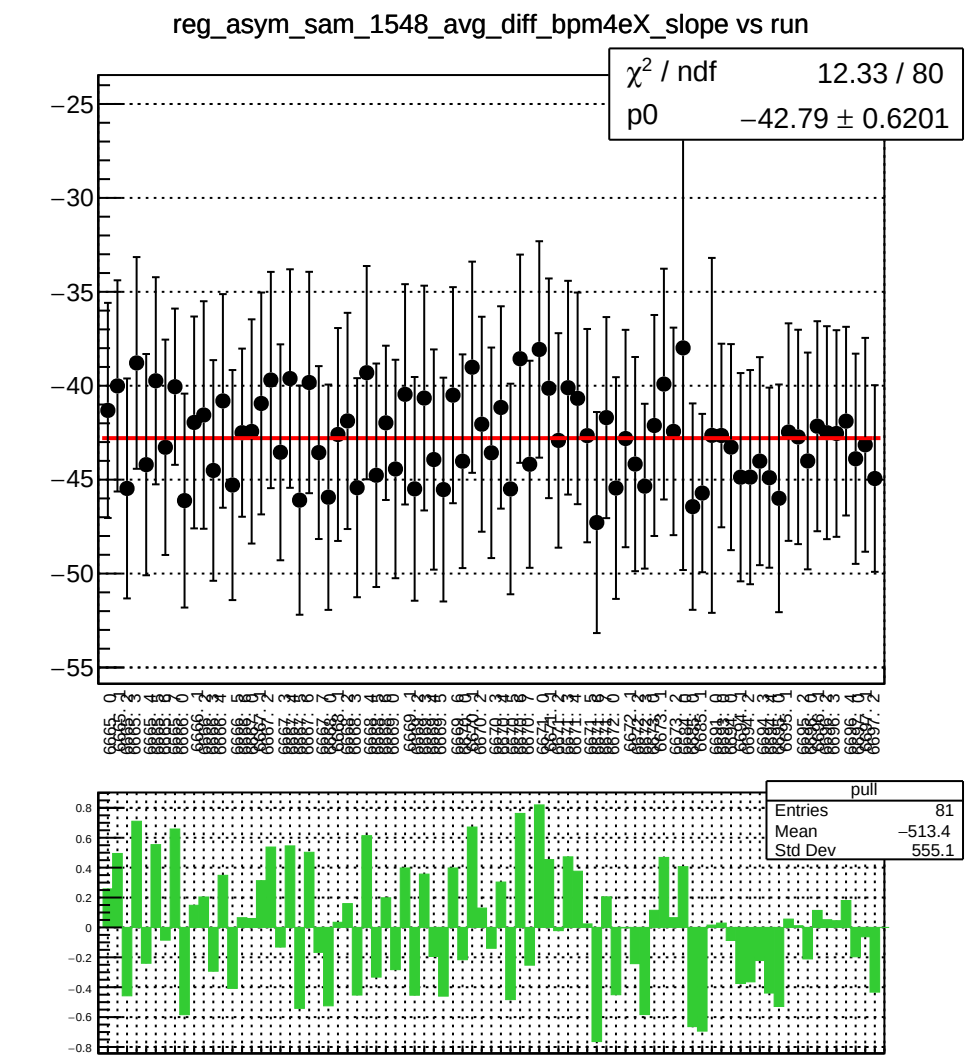

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 330.8 / 80
p0 −63.94 ± 0.3792
pull
Entries 81
Mean 111.7
Std Dev 59.76
pull1D
Entries 81
Mean 0.4447
Std Dev 1.971

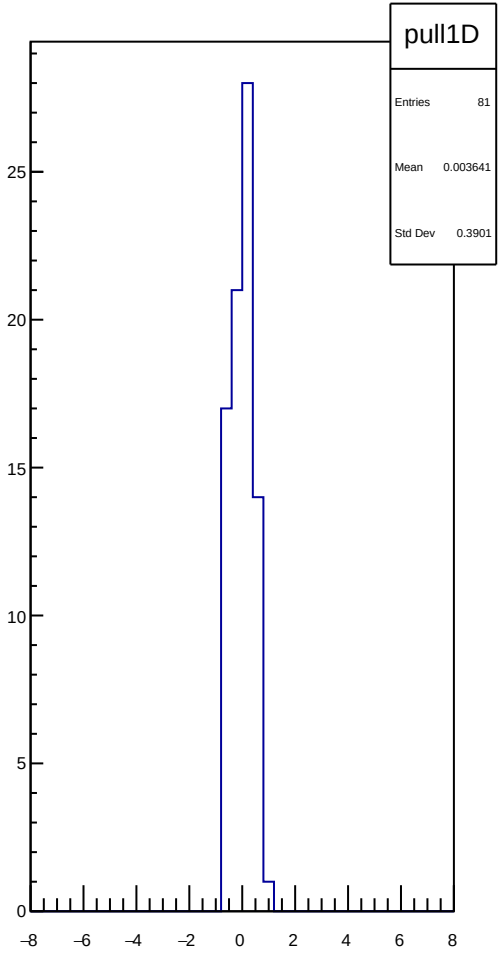

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 145.1 / 80
p0 0.006494 ± 0.01666
pull
Entries 81
Mean 638.6
Std Dev 590.8
pull1D
Entries 81
Mean 0.03839
Std Dev 1.338

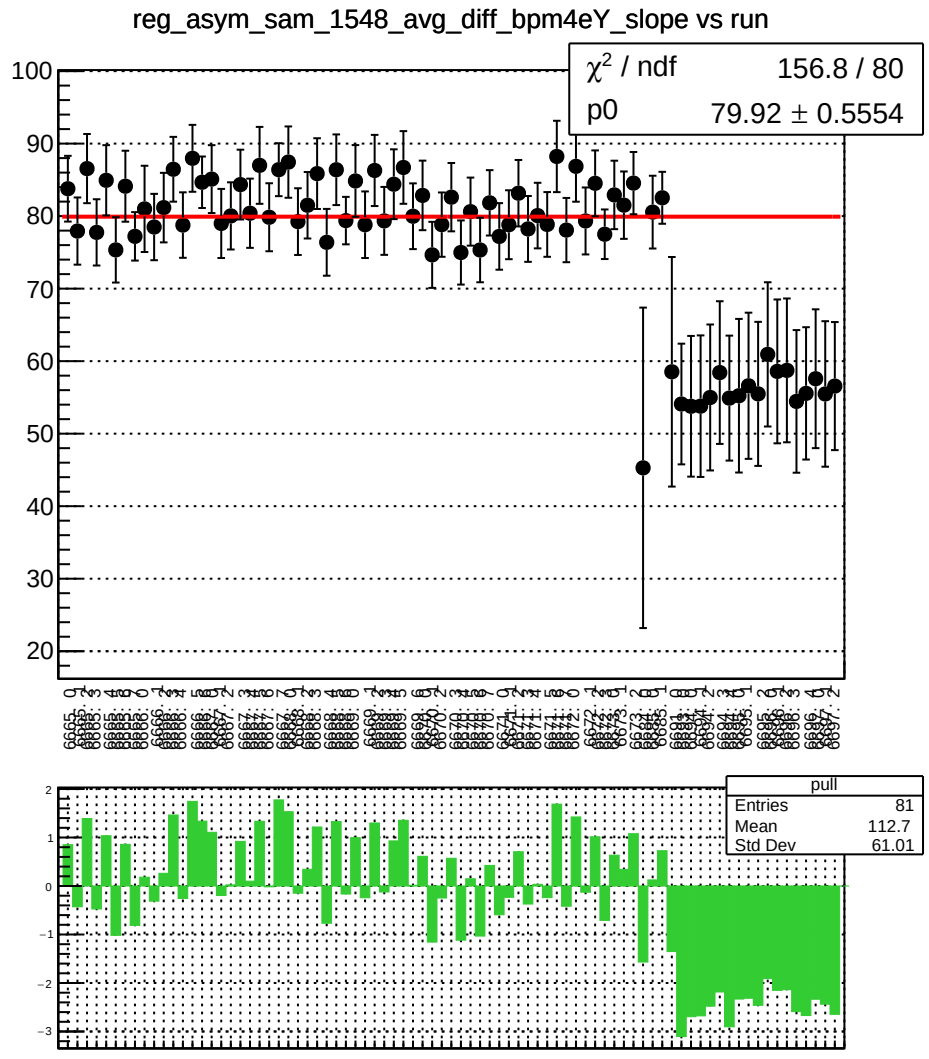

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 9.769 / 80
p0 −4.071 ± 0.5866
pull
Entries 81
Mean −4447
Std Dev 4486

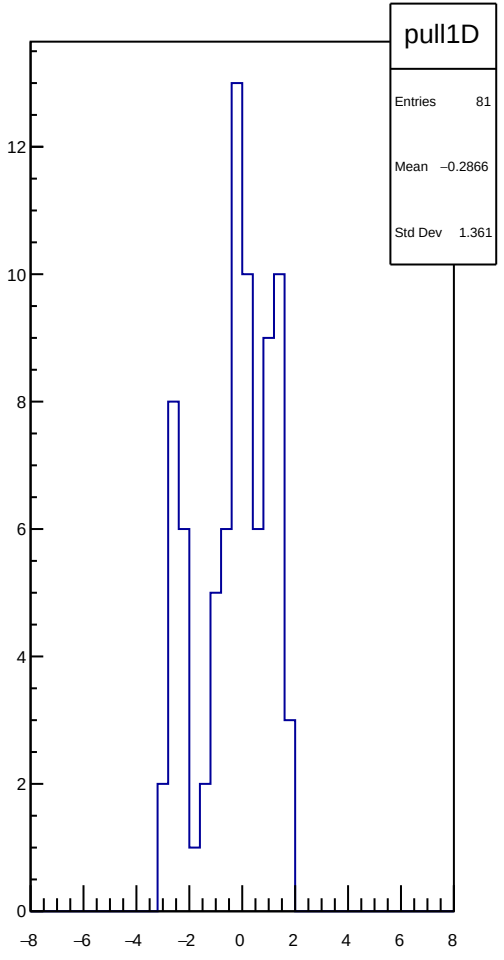

pull1D
Entries 81
Mean −0.000344
Std Dev 0.3473

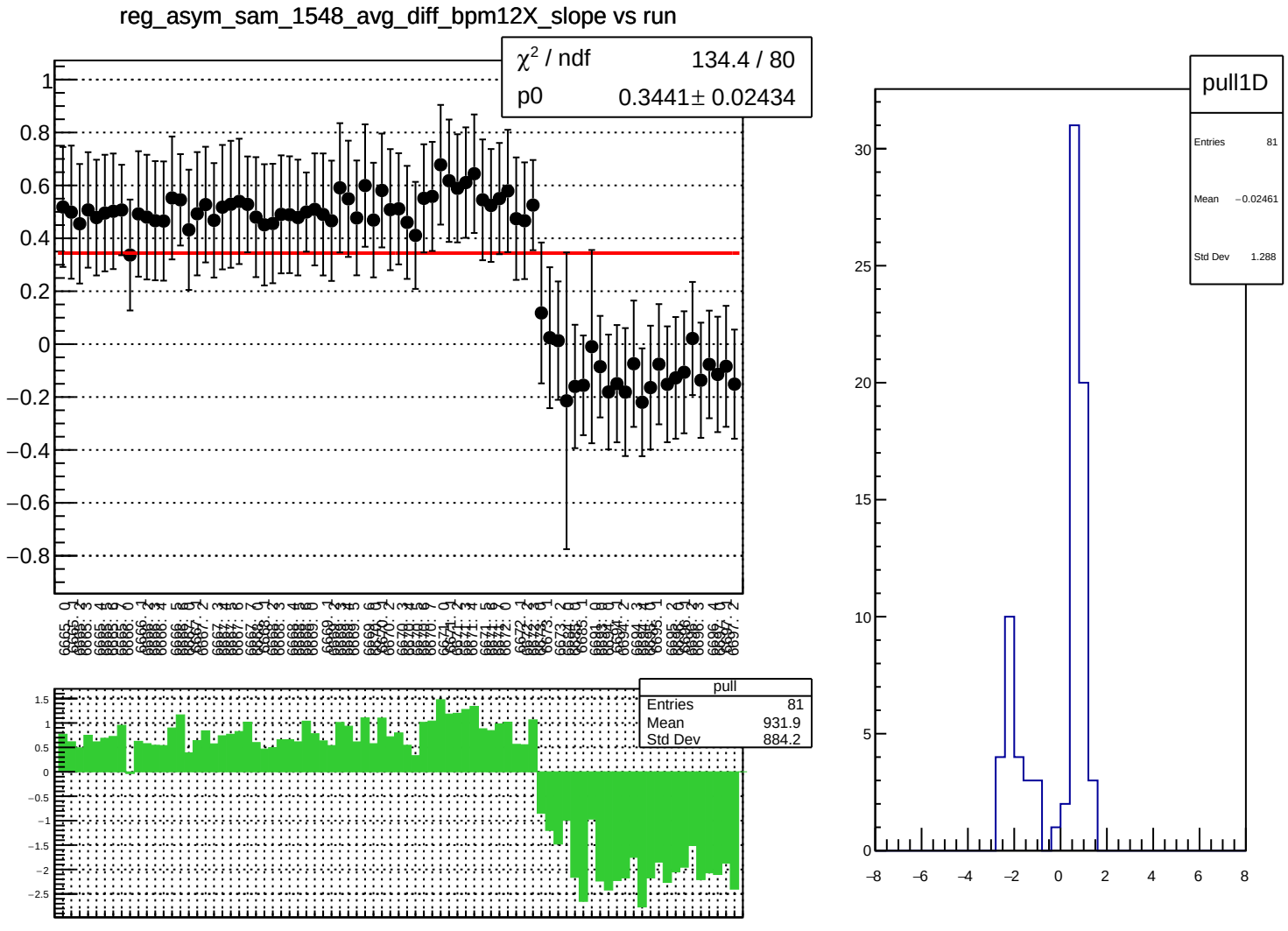

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 138 / 80
p0 −5.167 ± 0.4832
pull
Entries 81
Mean 106.5
Std Dev 55.16
pull1D
Entries 81
Mean 0.3263
Std Dev 1.264

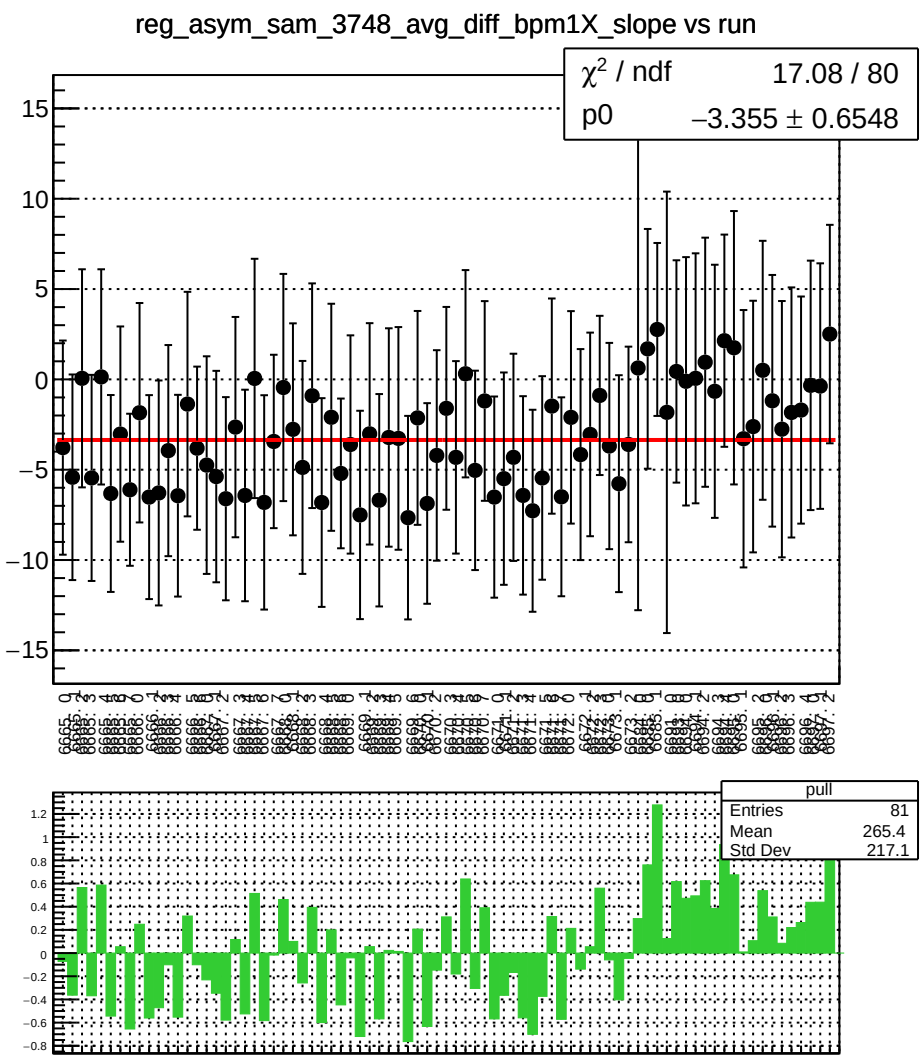

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.33 / 80
p0 −42.79 ± 0.6201
pull
Entries 81
Mean −513.4
Std Dev 555.1

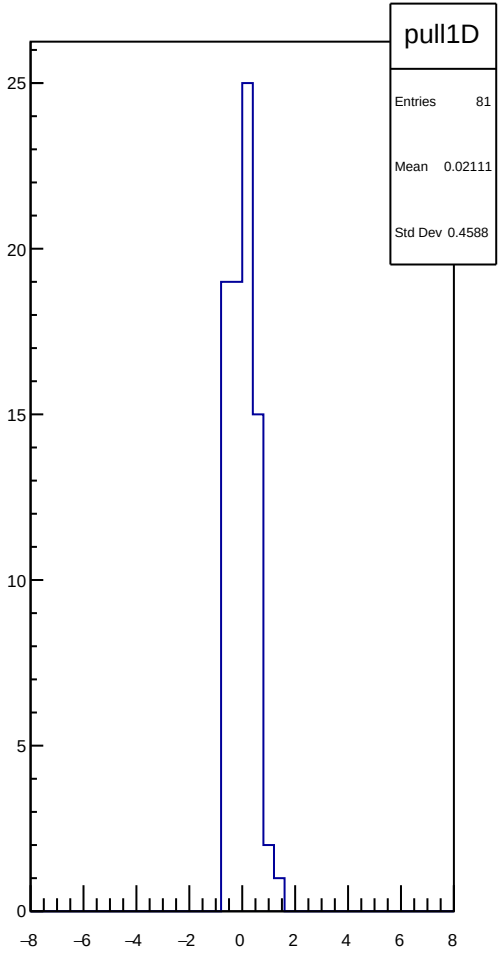

pull1D
Entries 81
Mean 0.003641
Std Dev 0.3901

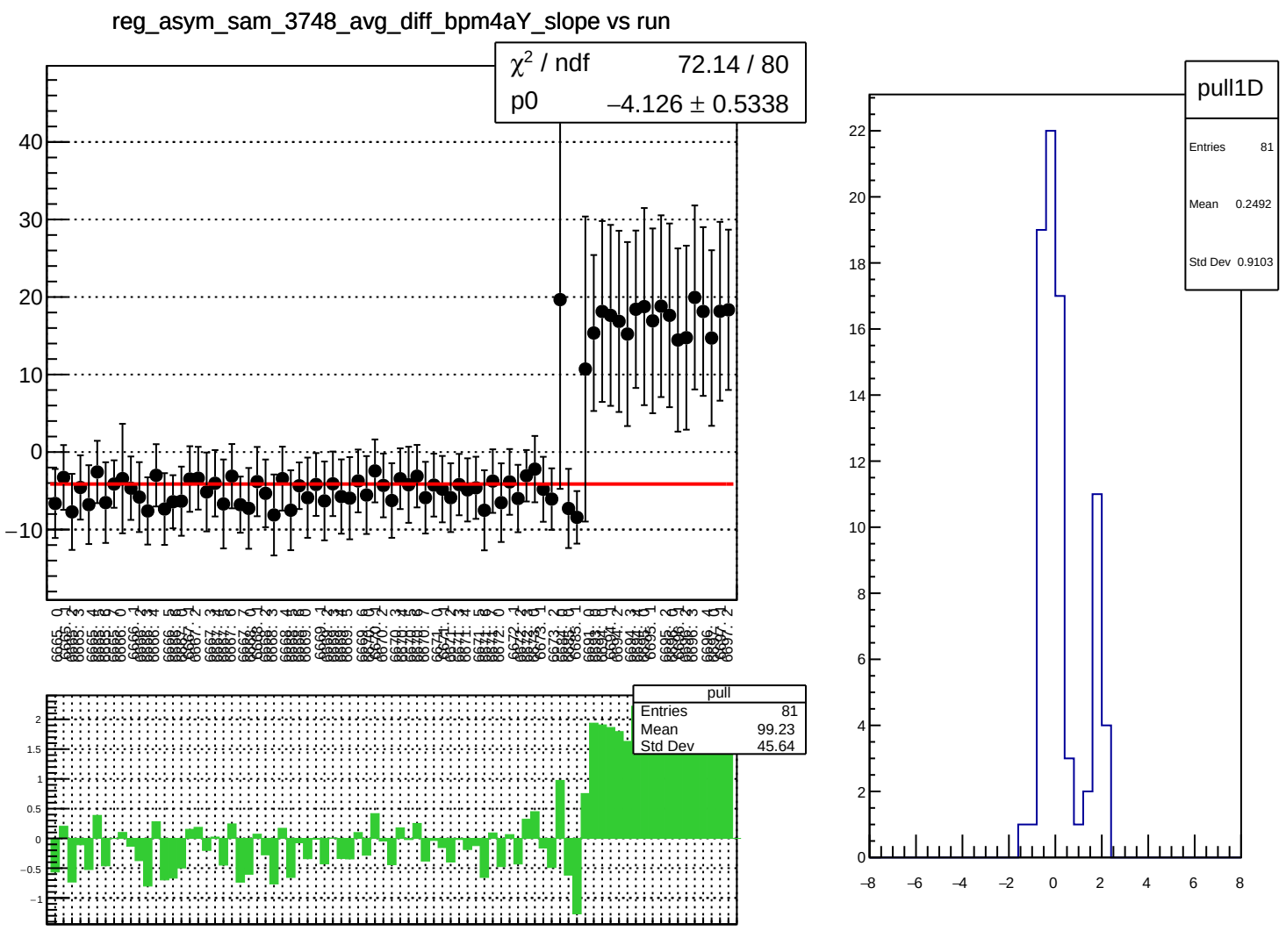

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 156.8 / 80
p0 79.92 ± 0.5554
pull
Entries 81
Mean 112.7
Std Dev 61.01

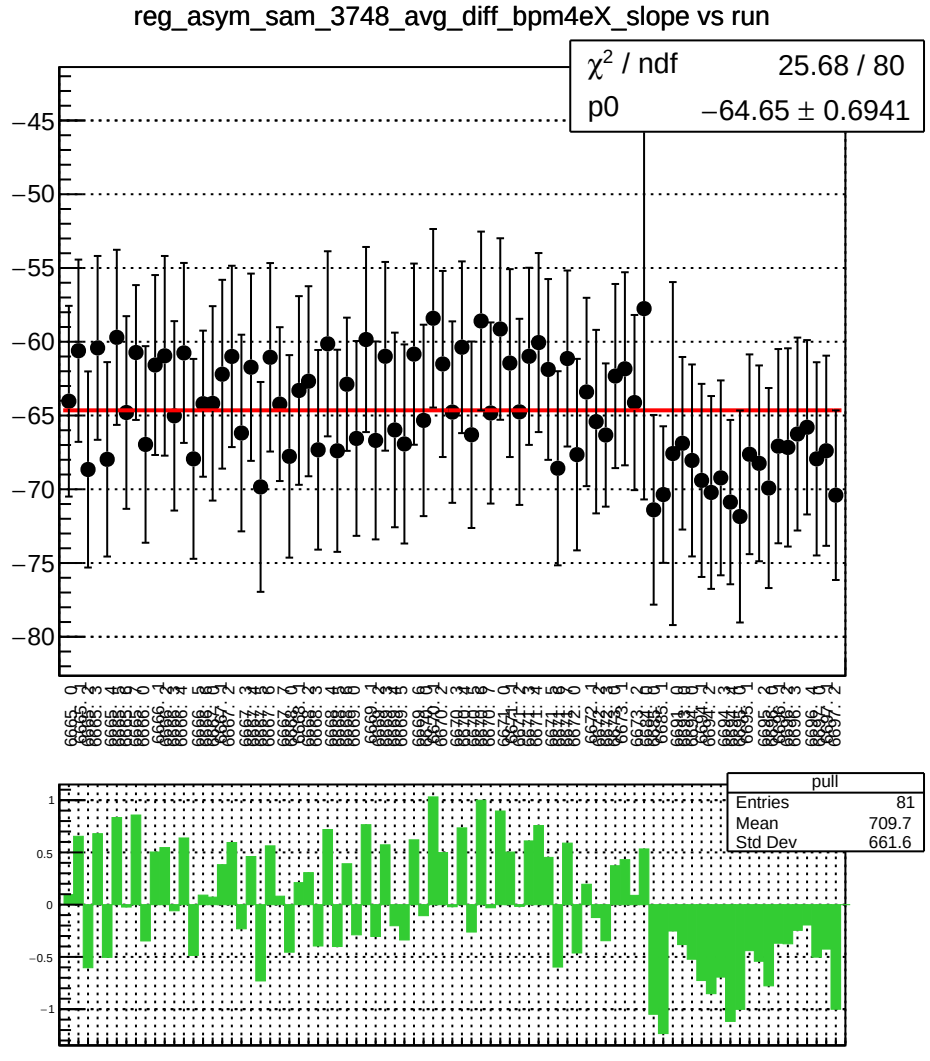

pull1D
Entries 81
Mean −0.2866
Std Dev 1.361

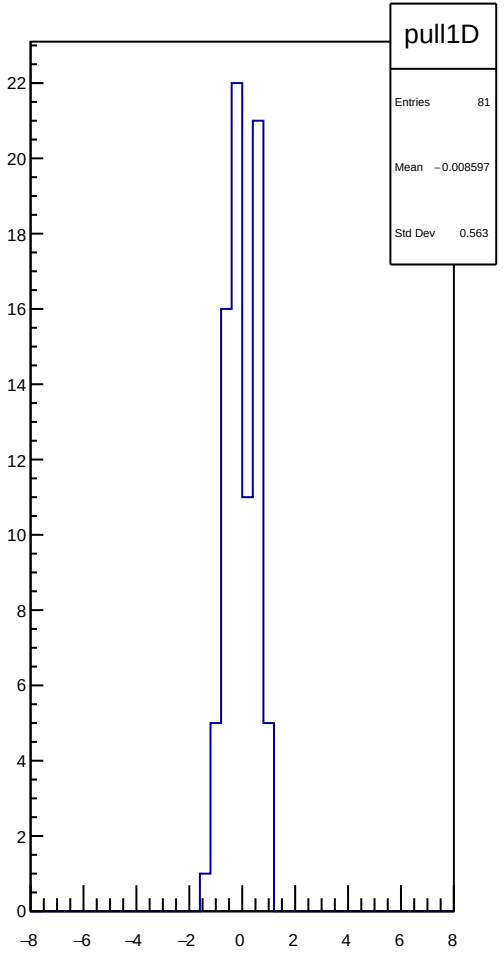

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 134.4 / 80
p0 0.3441± 0.02434
pull
Entries 81
Mean 931.9
Std Dev 884.2
pull1D
Entries 81
Mean −0.02461
Std Dev 1.288

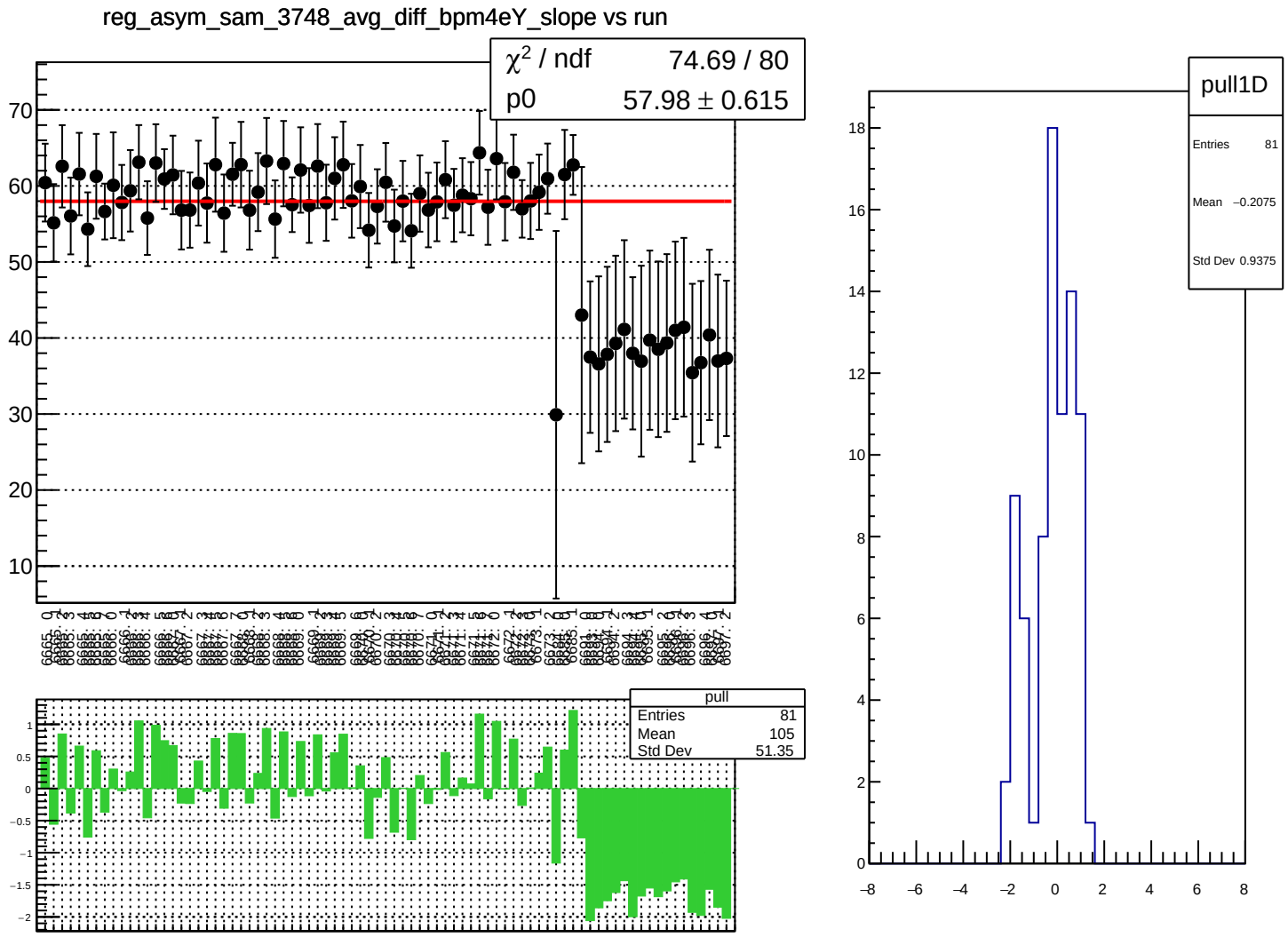

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 17.08 / 80
p0 −3.355 ± 0.6548
pull
Entries 81
Mean 265.4
Std Dev 217.1

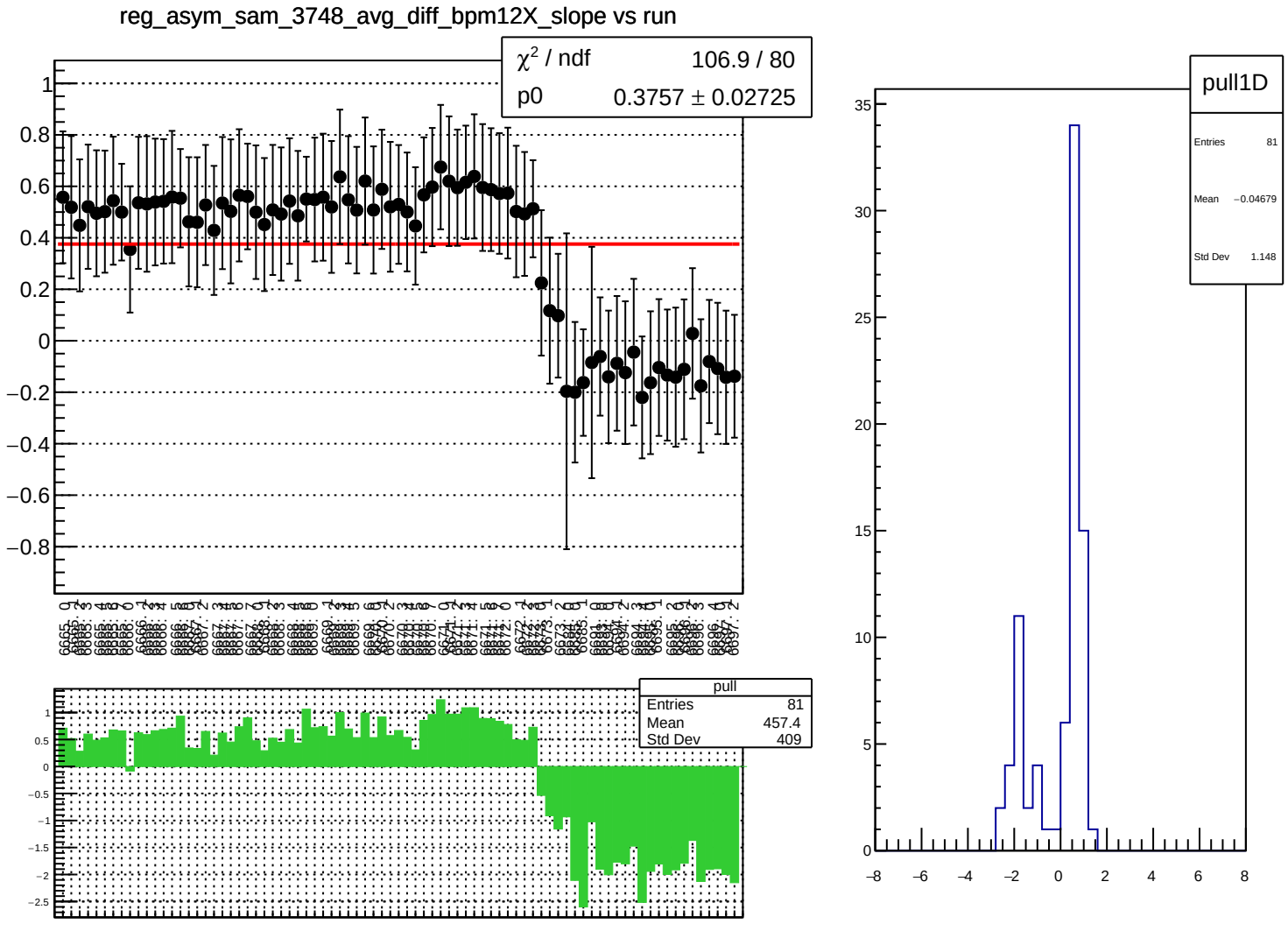

pull1D
Entries 81
Mean 0.02111
Std Dev 0.4588

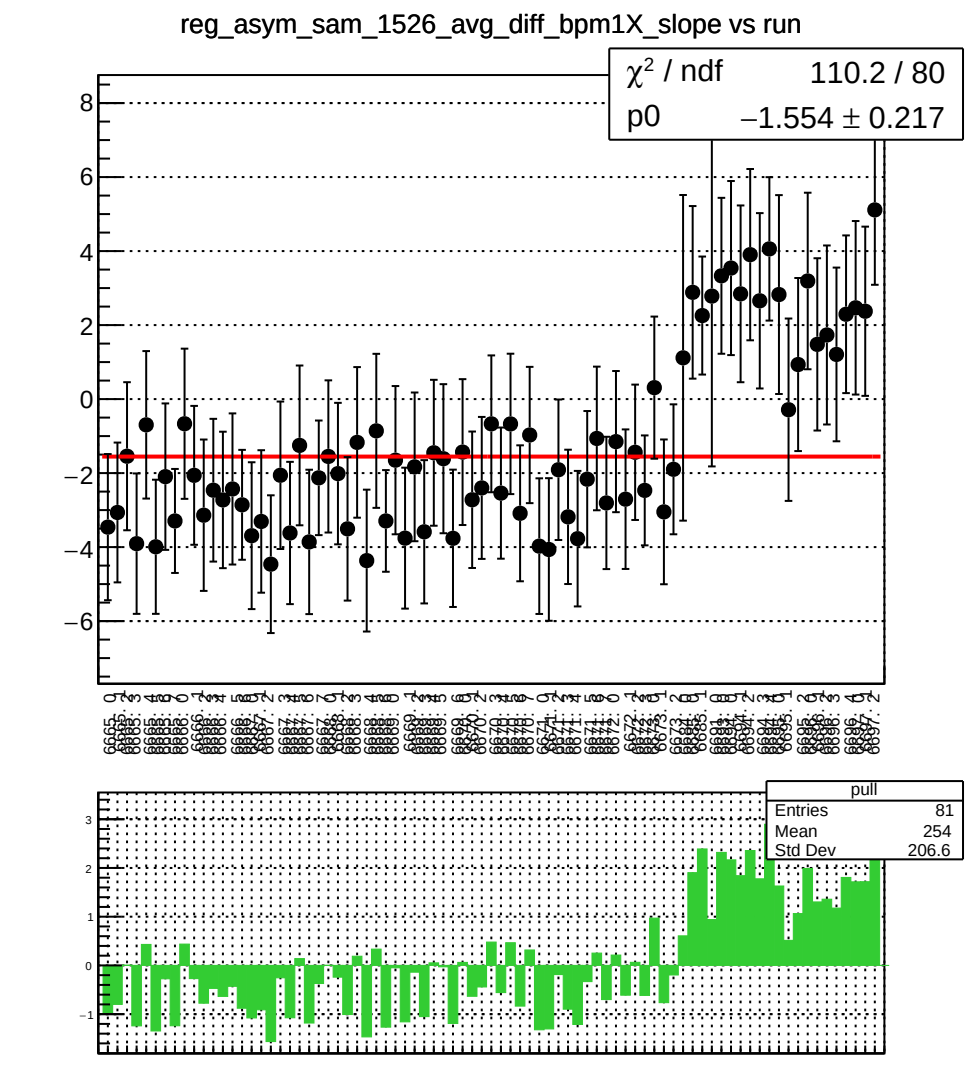

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 72.14 / 80
p0 −4.126 ± 0.5338
pull
Entries 81
Mean 99.23
Std Dev 45.64
pull1D
Entries 81
Mean 0.2492
Std Dev 0.9103

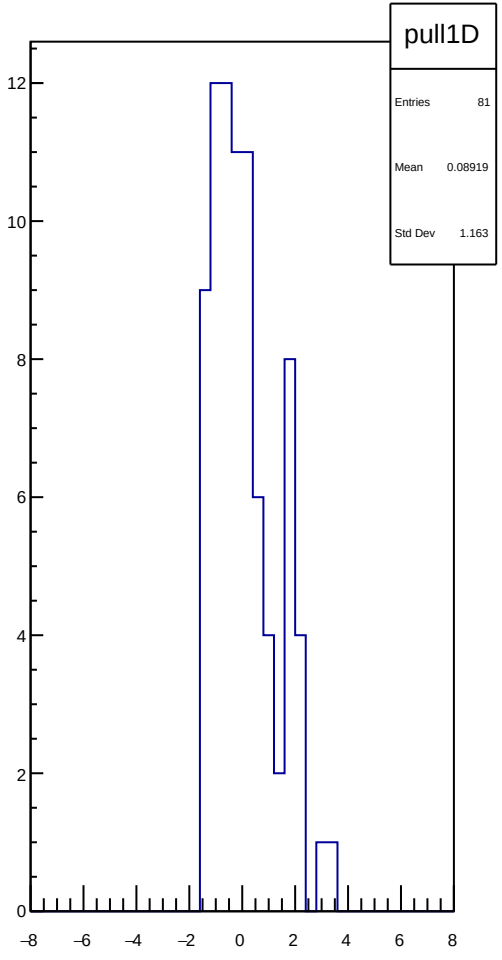

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.68 / 80
p0 −64.65 ± 0.6941
pull
Entries 81
Mean 709.7
Std Dev 661.6

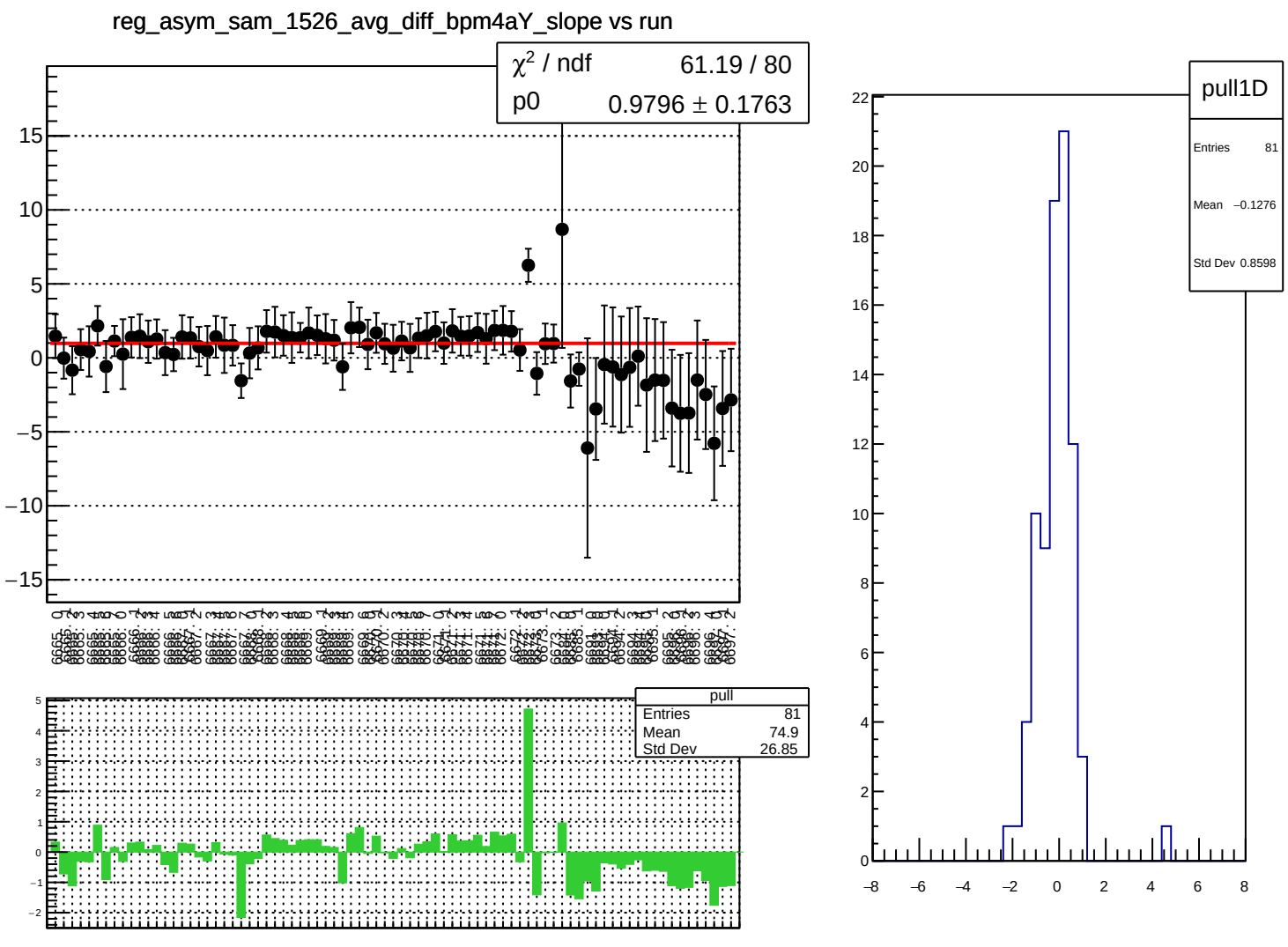

pull1D
Entries 81
Mean −0.008597
Std Dev 0.563

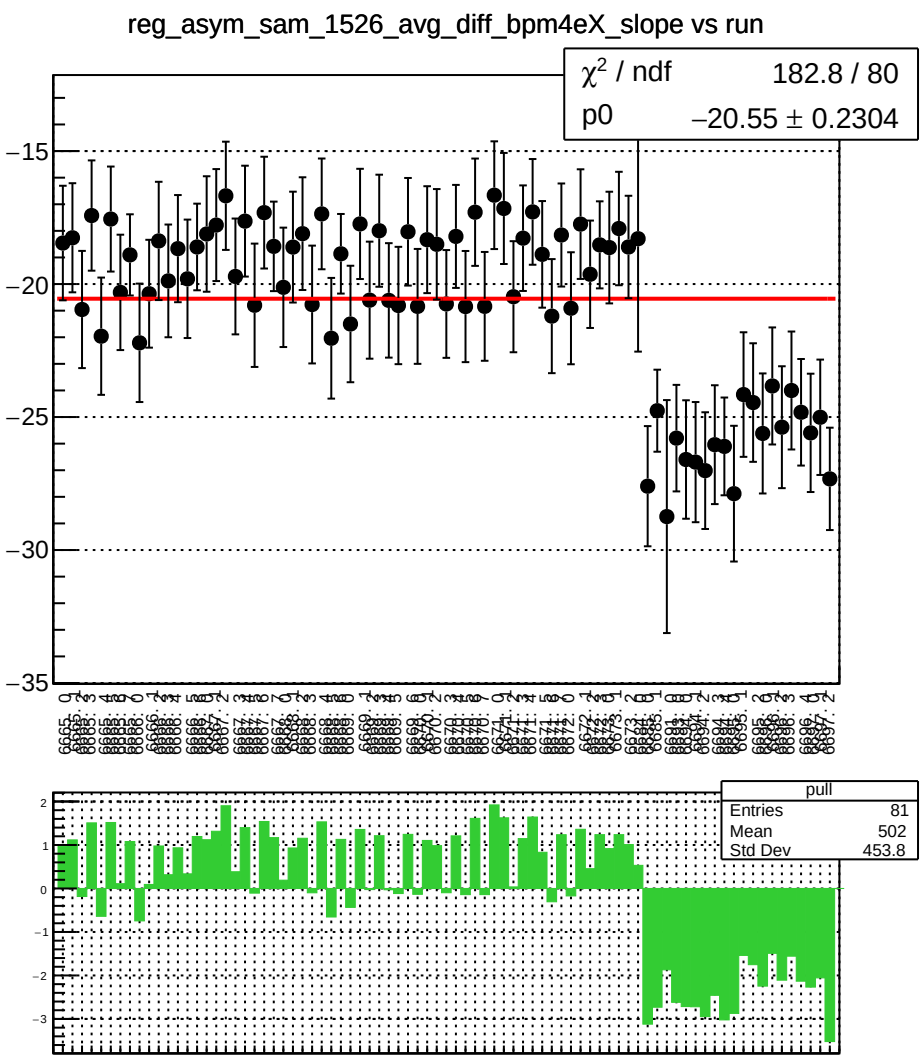

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.69 / 80
p0 57.98 ± 0.615
pull
Entries 81
Mean 105
Std Dev 51.35
pull1D
Entries 81
Mean −0.2075
Std Dev 0.9375

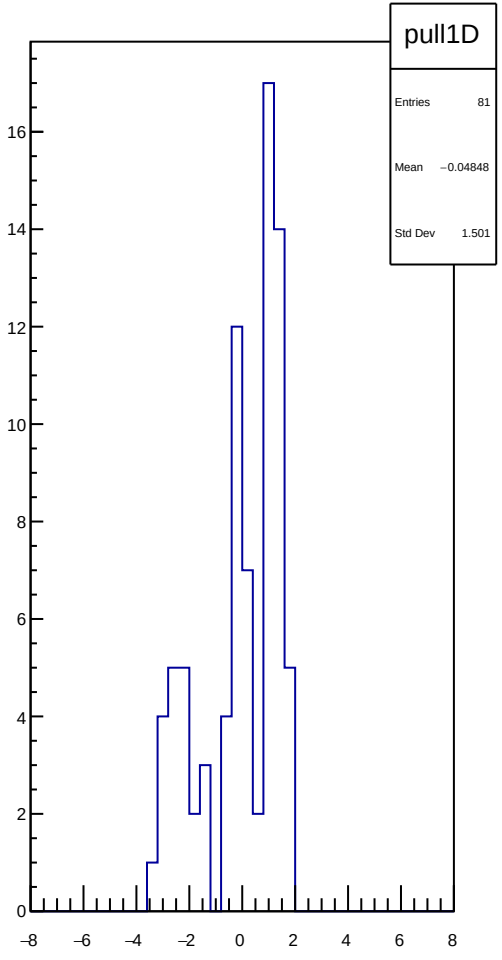

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 106.9 / 80
p0 0.3757 ± 0.02725
pull
Entries 81
Mean 457.4
Std Dev 409
pull1D
Entries 81
Mean −0.04679
Std Dev 1.148

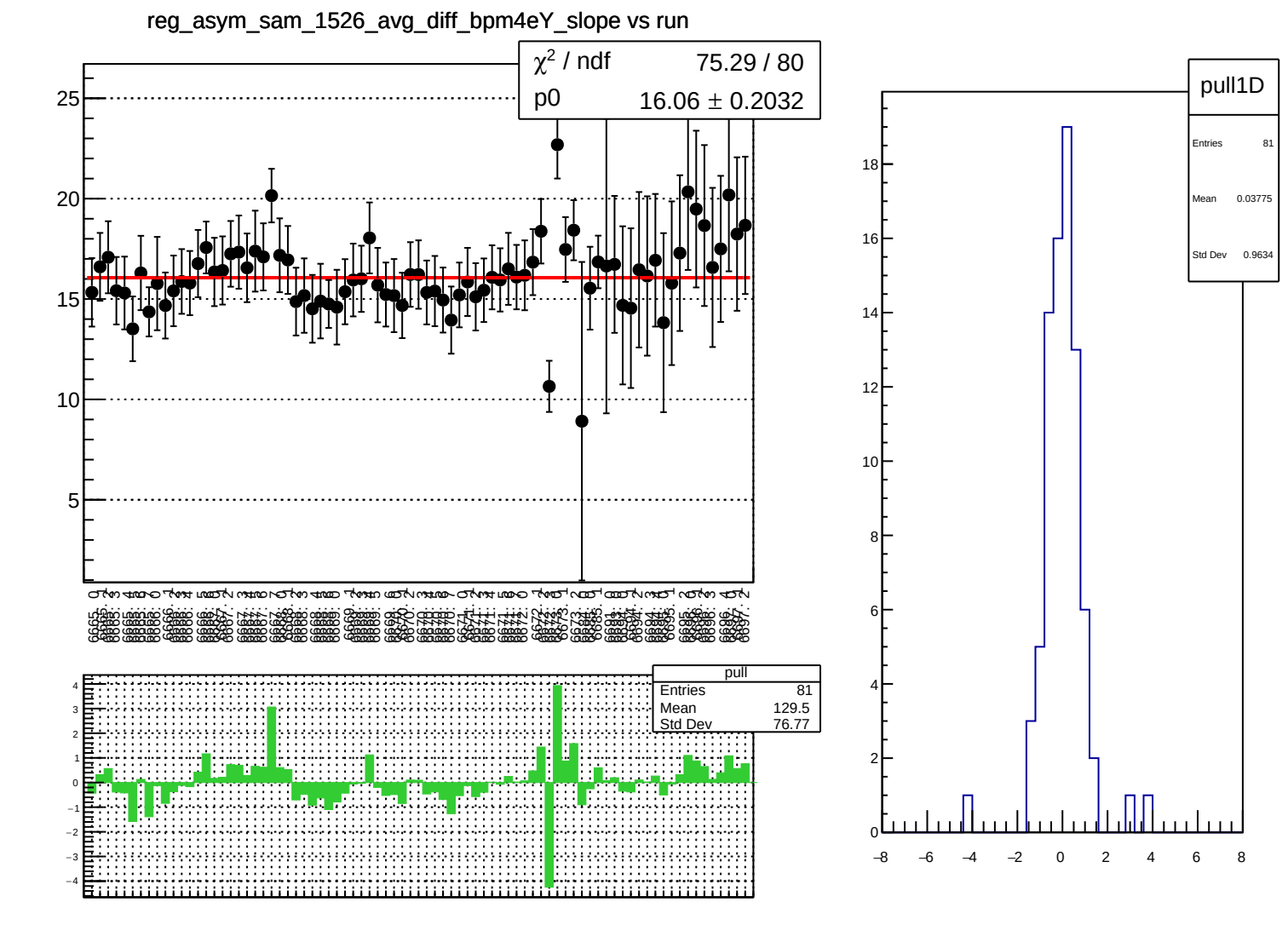

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 110.2 / 80
p0 −1.554 ± 0.217
pull
Entries 81
Mean 254
Std Dev 206.6

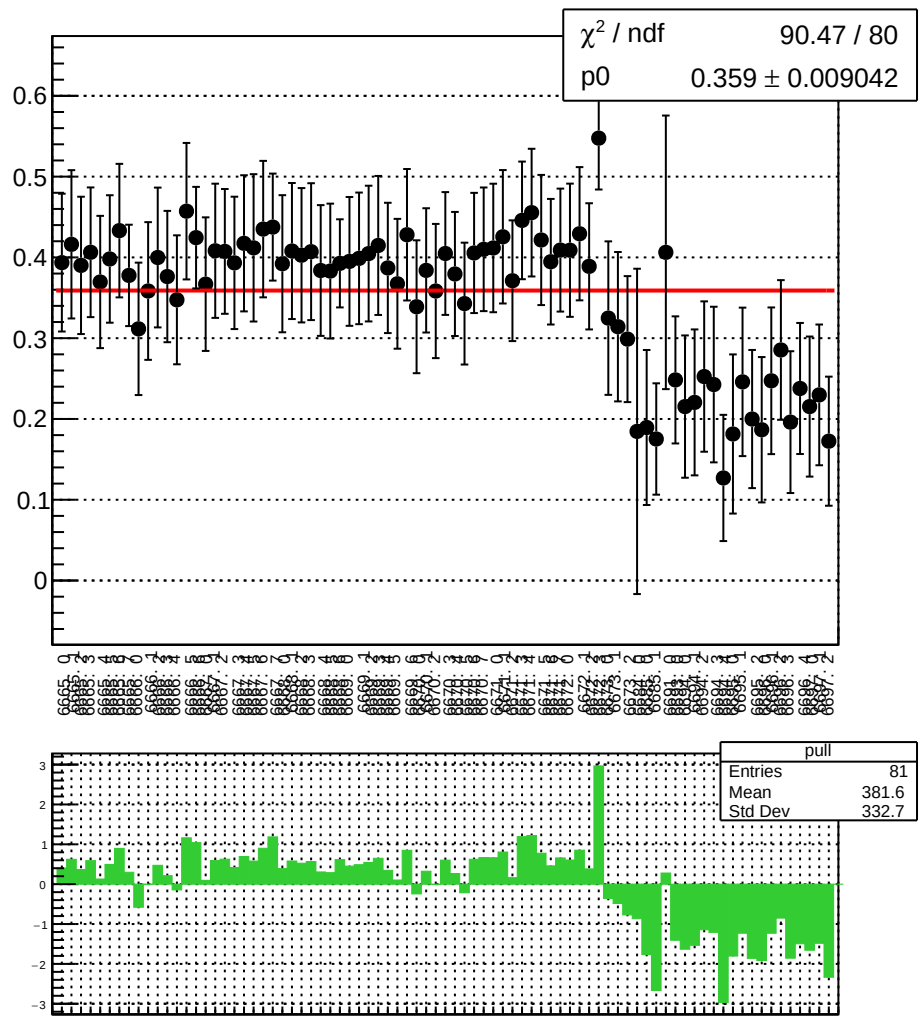

pull1D
Entries 81
Mean 0.08919
Std Dev 1.163

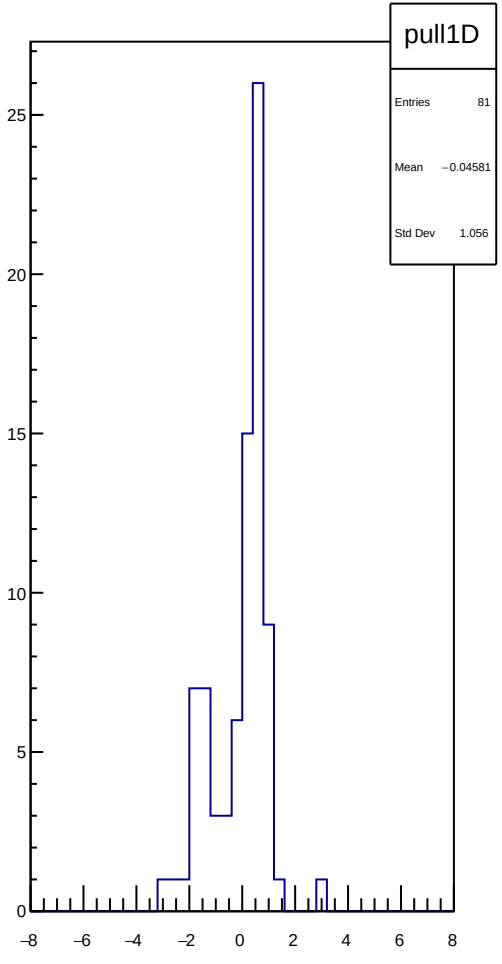

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 61.19 / 80
p0 0.9796 ± 0.1763
pull
Entries 81
Mean 74.9
Std Dev 26.85
pull1D
Entries 81
Mean −0.1276
Std Dev 0.8598

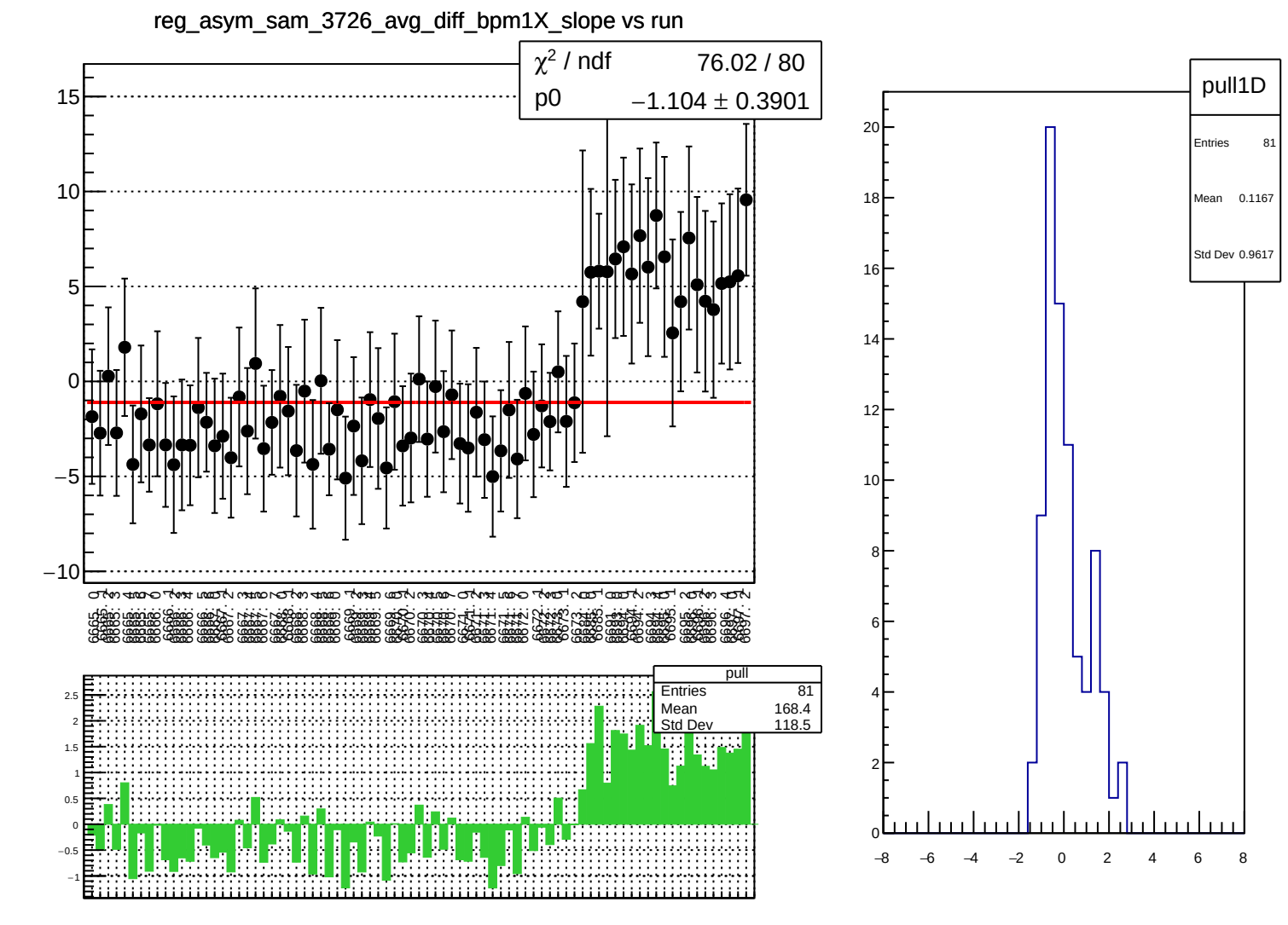

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 182.8 / 80
p0 −20.55 ± 0.2304
pull
Entries 81
Mean 502
Std Dev 453.8

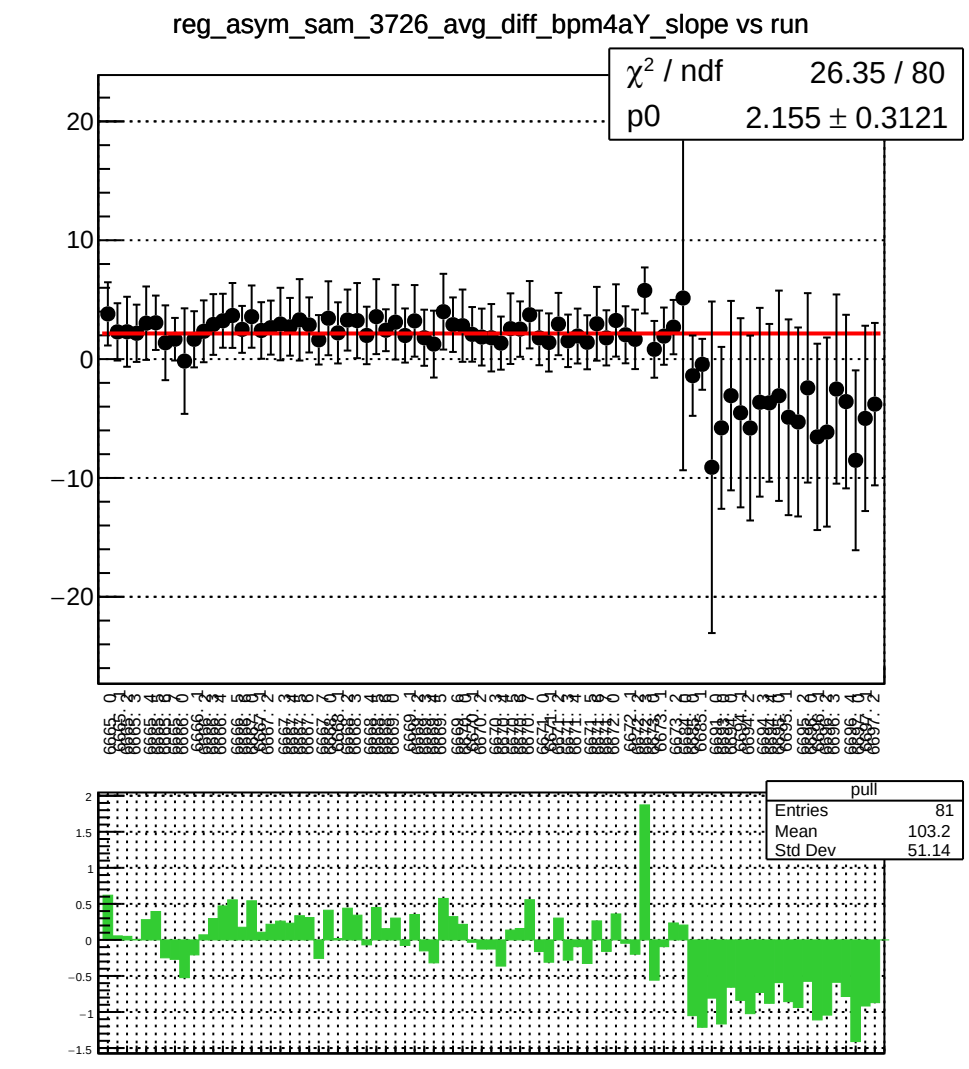

pull1D
Entries 81
Mean −0.04848
Std Dev 1.501

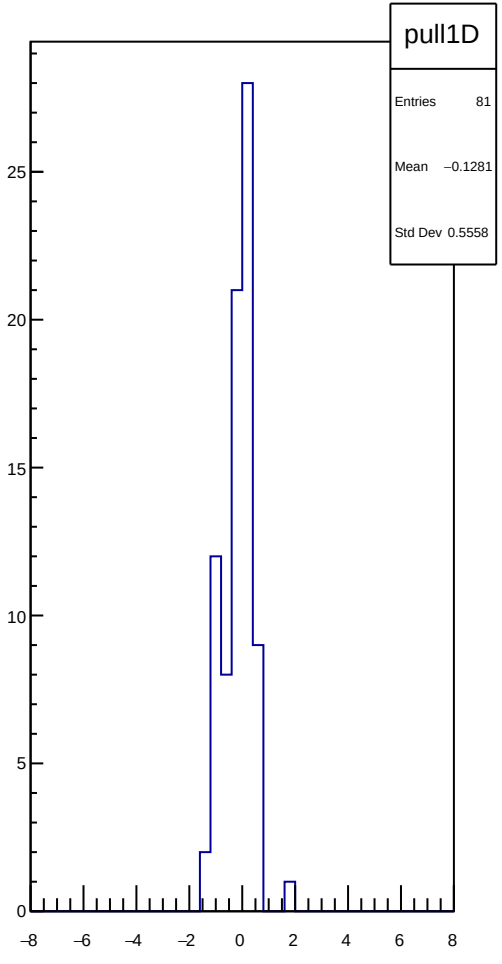

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 75.29 / 80
p0 16.06 ± 0.2032
pull
Entries 81
Mean 129.5
Std Dev 76.77
pull1D
Entries 81
Mean 0.03775
Std Dev 0.9634

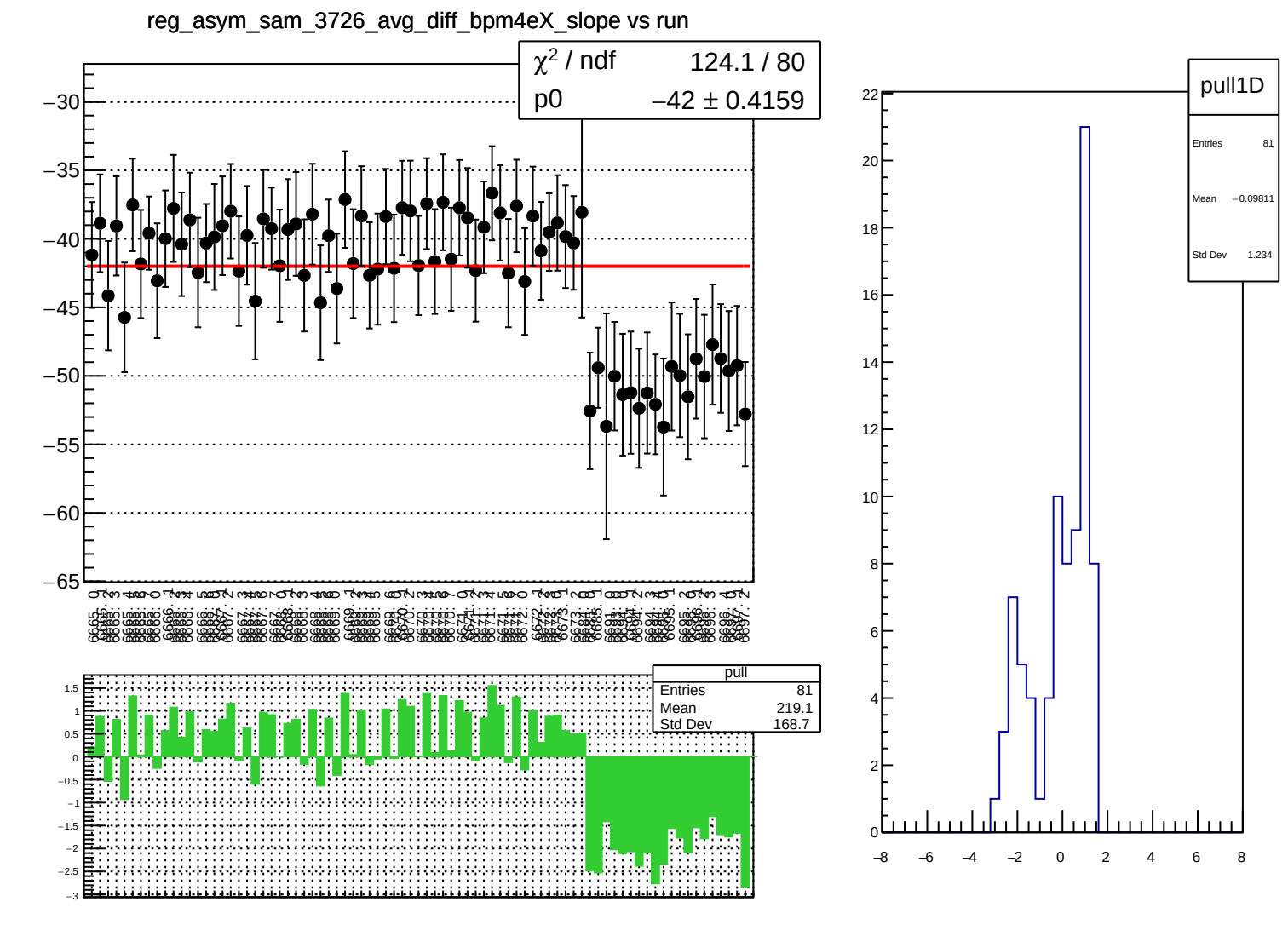

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 90.47 / 80
p0 0.359 ± 0.009042
pull
Entries 81
Mean 381.6
Std Dev 332.7

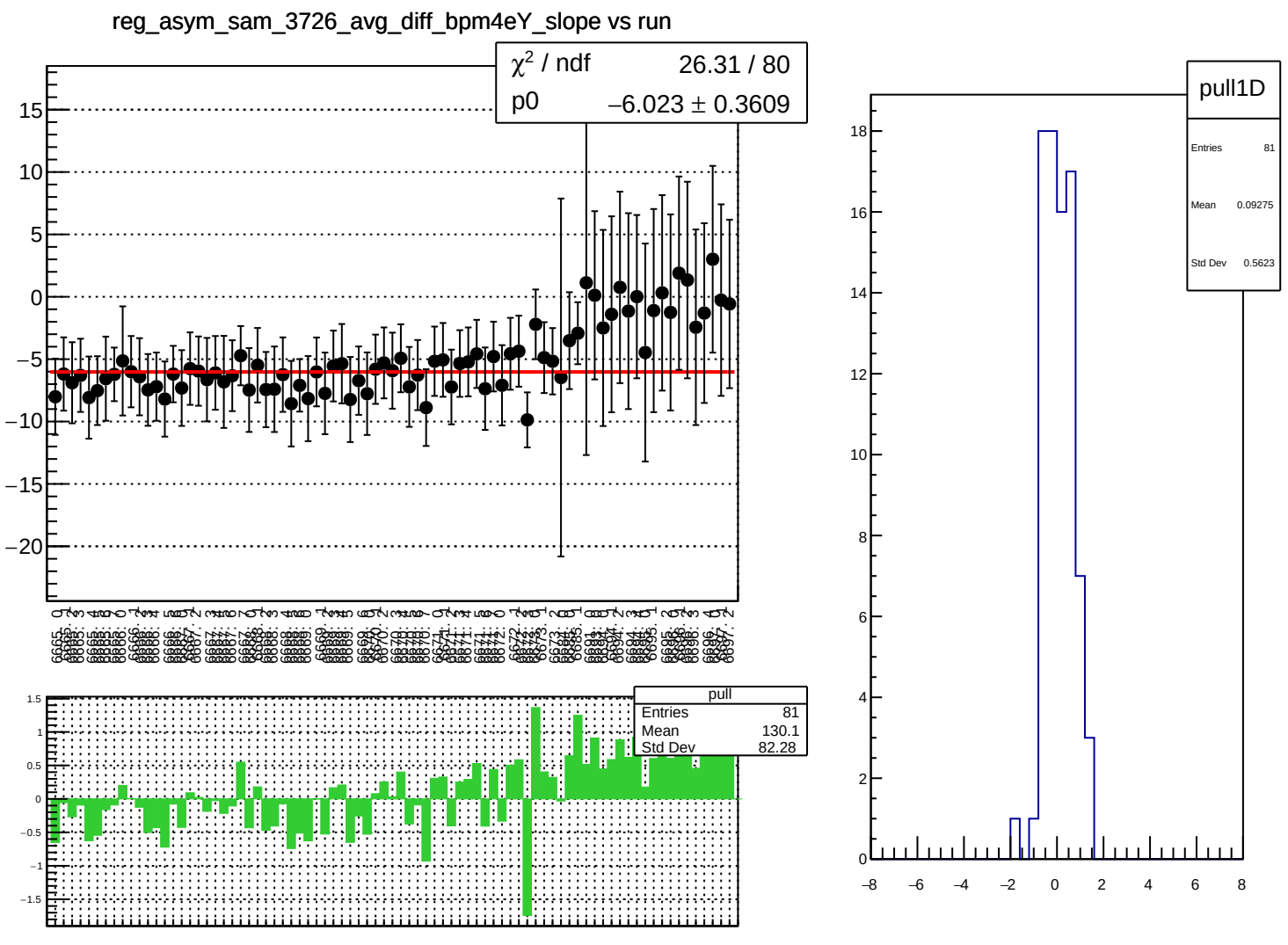

pull1D
Entries 81
Mean −0.04581
Std Dev 1.056

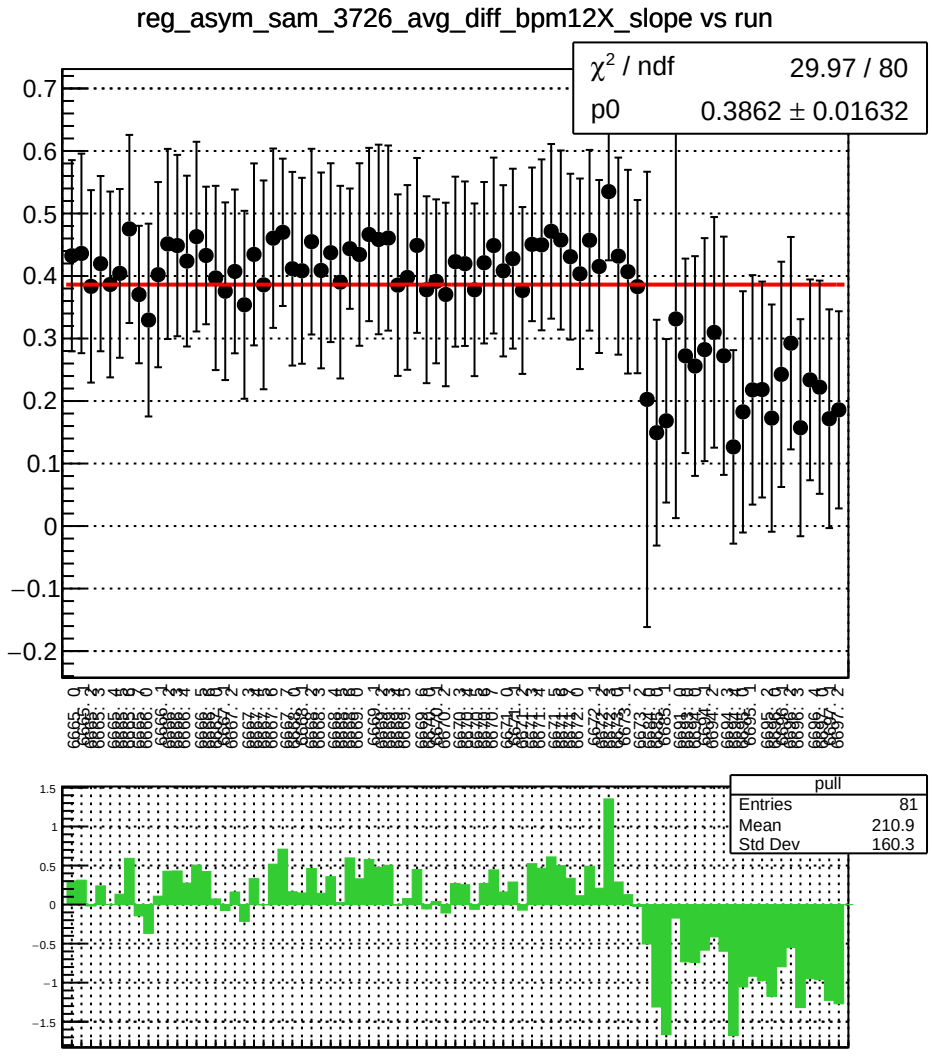

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 76.02 / 80
p0 −1.104 ± 0.3901
pull
Entries 81
Mean 168.4
Std Dev 118.5
pull1D
Entries 81
Mean 0.1167
Std Dev 0.9617

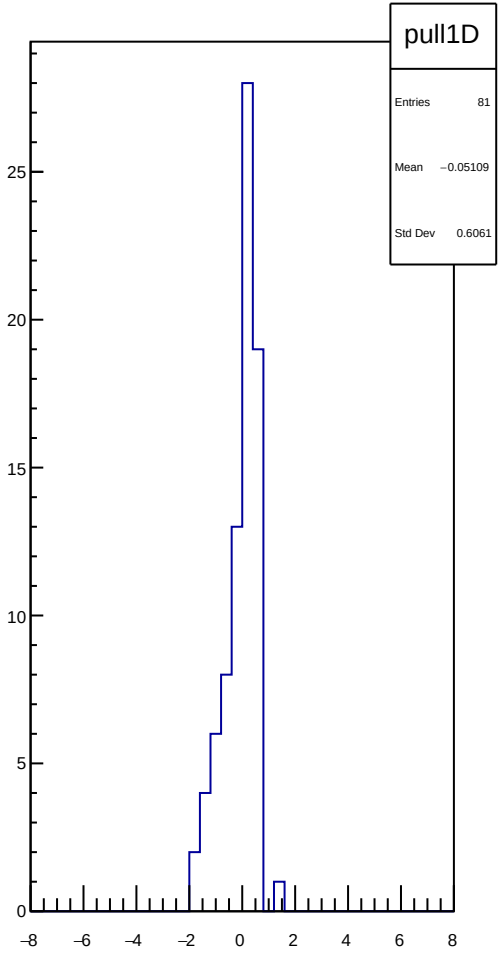

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.35 / 80
p0 2.155 ± 0.3121
pull
Entries 81
Mean 103.2
Std Dev 51.14

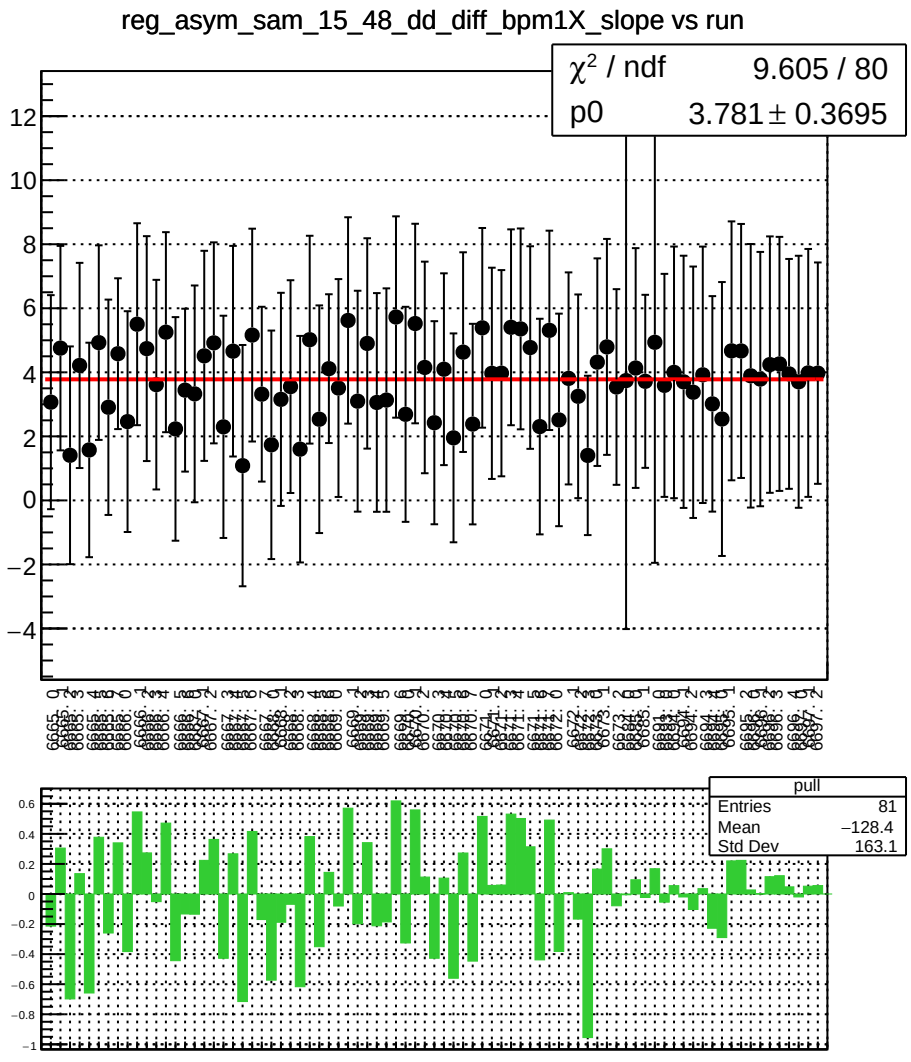

pull1D
Entries 81
Mean −0.1281
Std Dev 0.5558

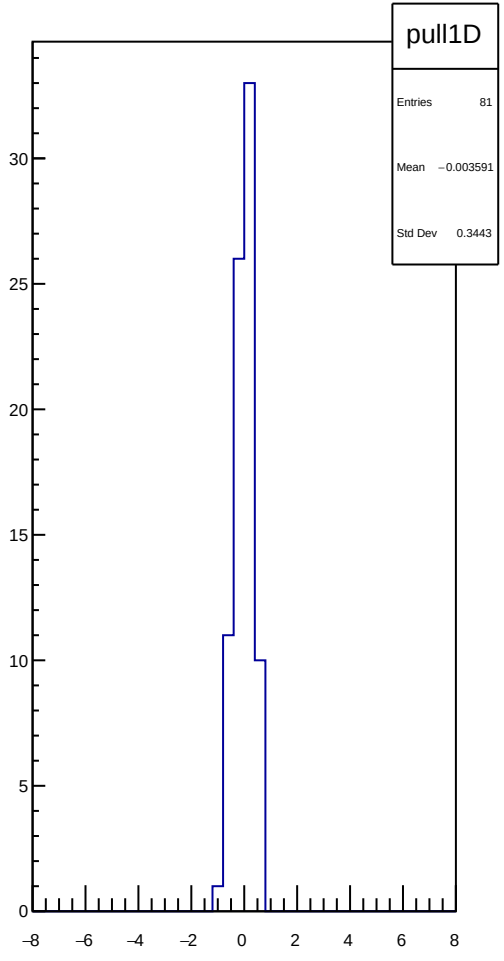

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 124.1 / 80
p0 −42 ± 0.4159
pull
Entries 81
Mean 219.1
Std Dev 168.7
pull1D
Entries 81
Mean −0.09811
Std Dev 1.234

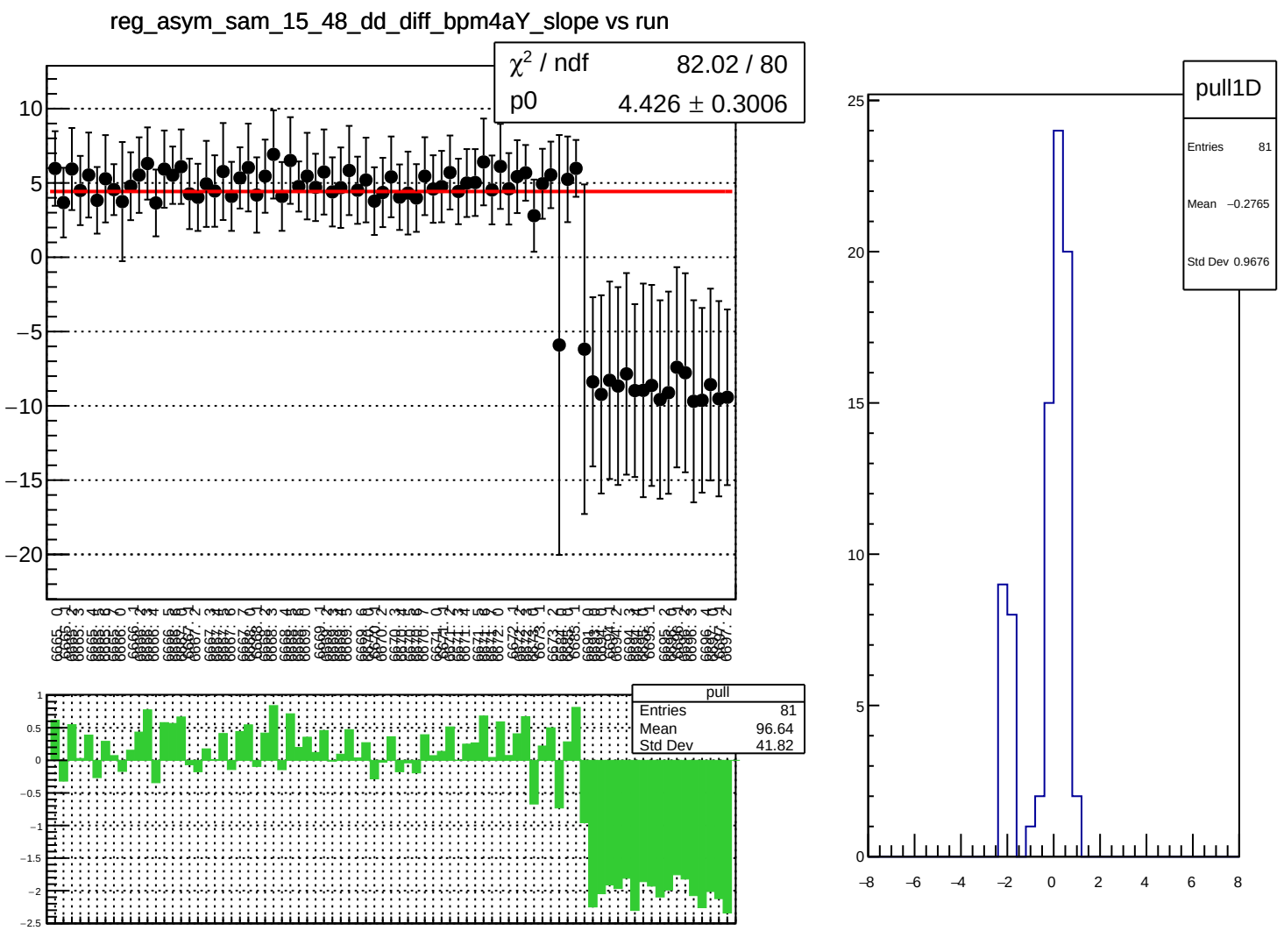

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.31 / 80
p0 −6.023 ± 0.3609
pull
Entries 81
Mean 130.1
Std Dev 82.28
pull1D
Entries 81
Mean 0.09275
Std Dev 0.5623

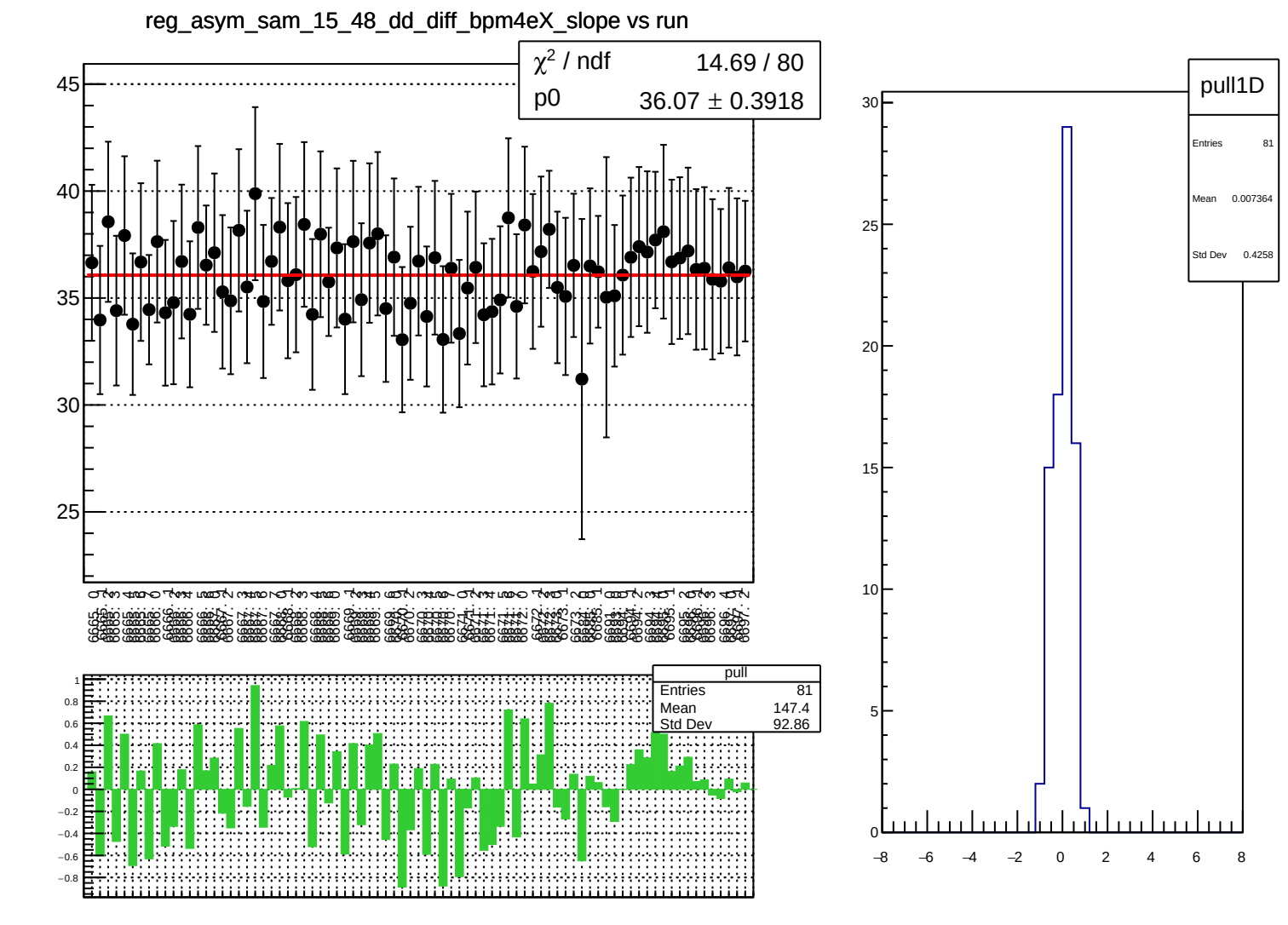

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 29.97 / 80
p0 0.3862 ± 0.01632
pull
Entries 81
Mean 210.9
Std Dev 160.3

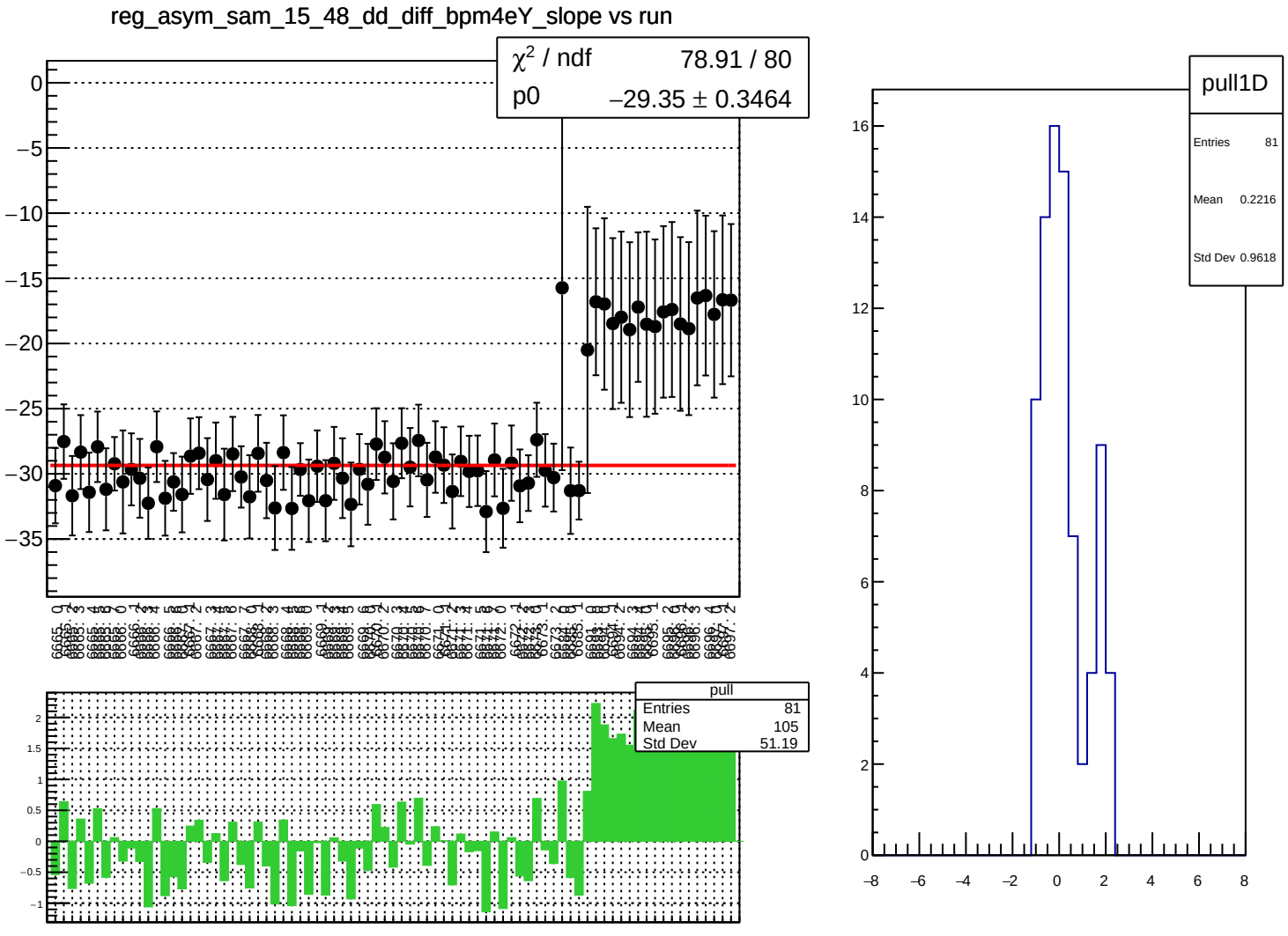

pull1D
Entries 81
Mean −0.05109
Std Dev 0.6061

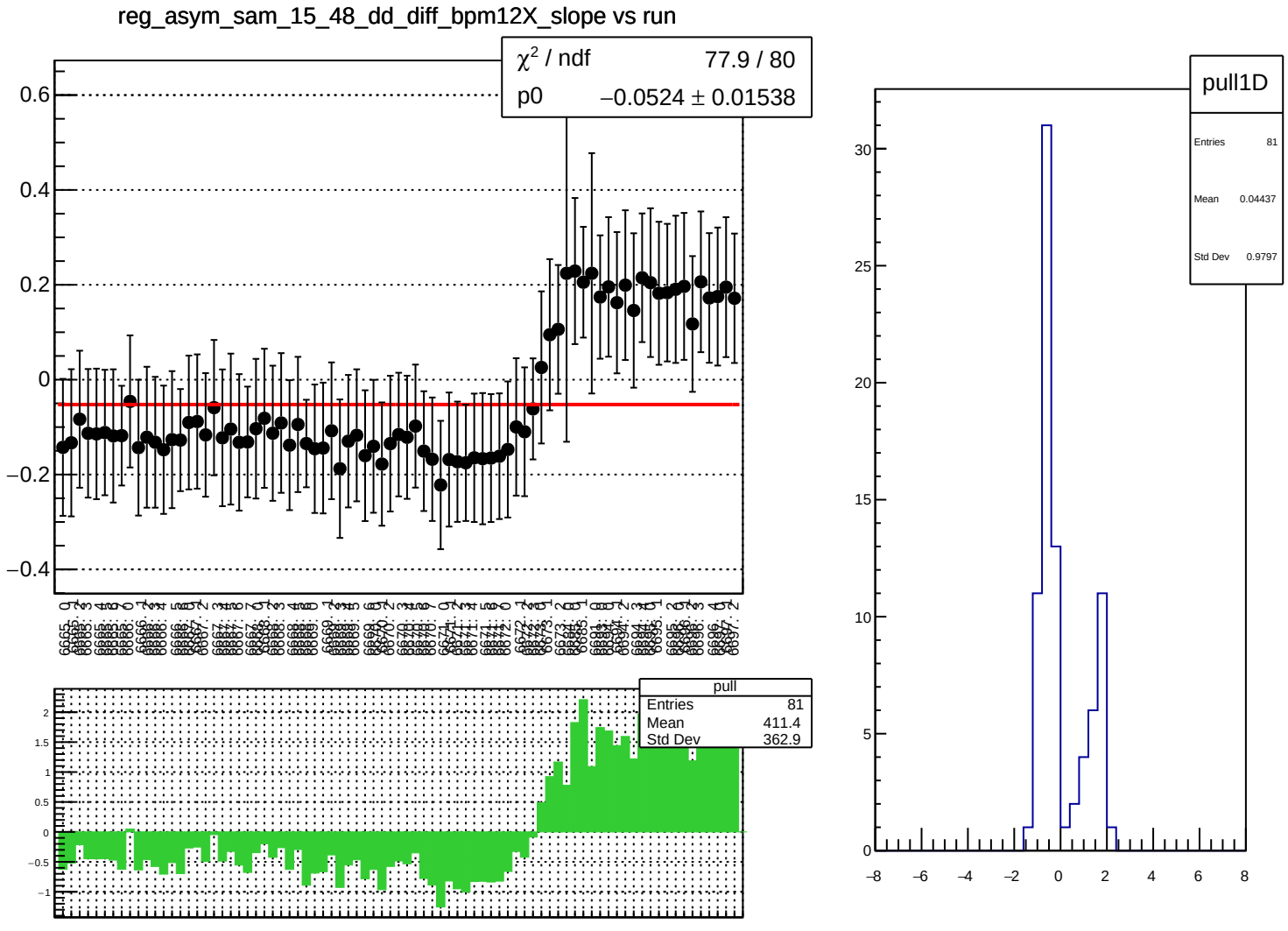

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.605 / 80
p0 3.781 ± 0.3695
pull
Entries 81
Mean −128.4
Std Dev 163.1

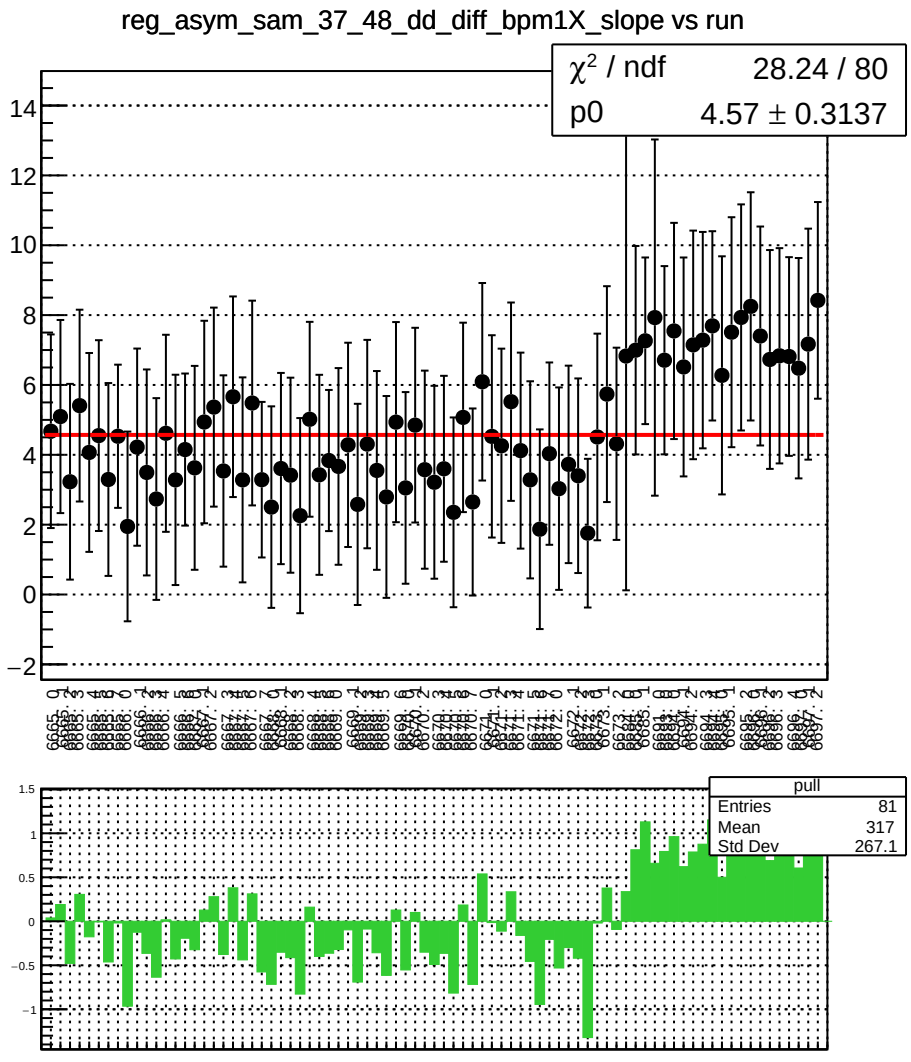

pull1D
Entries 81
Mean −0.003591
Std Dev 0.3443

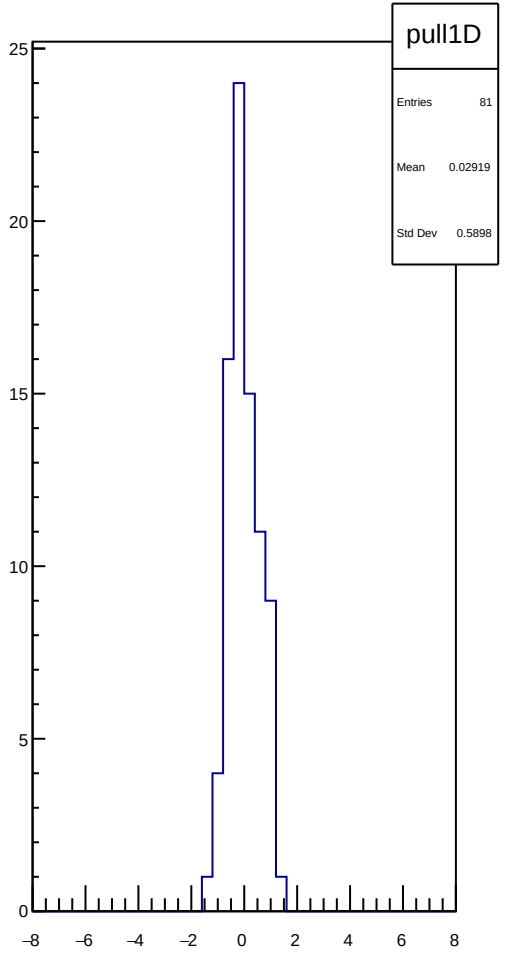

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.02 / 80
p0 4.426 ± 0.3006
pull
Entries 81
Mean 96.64
Std Dev 41.82
pull1D
Entries 81
Mean −0.2765
Std Dev 0.9676

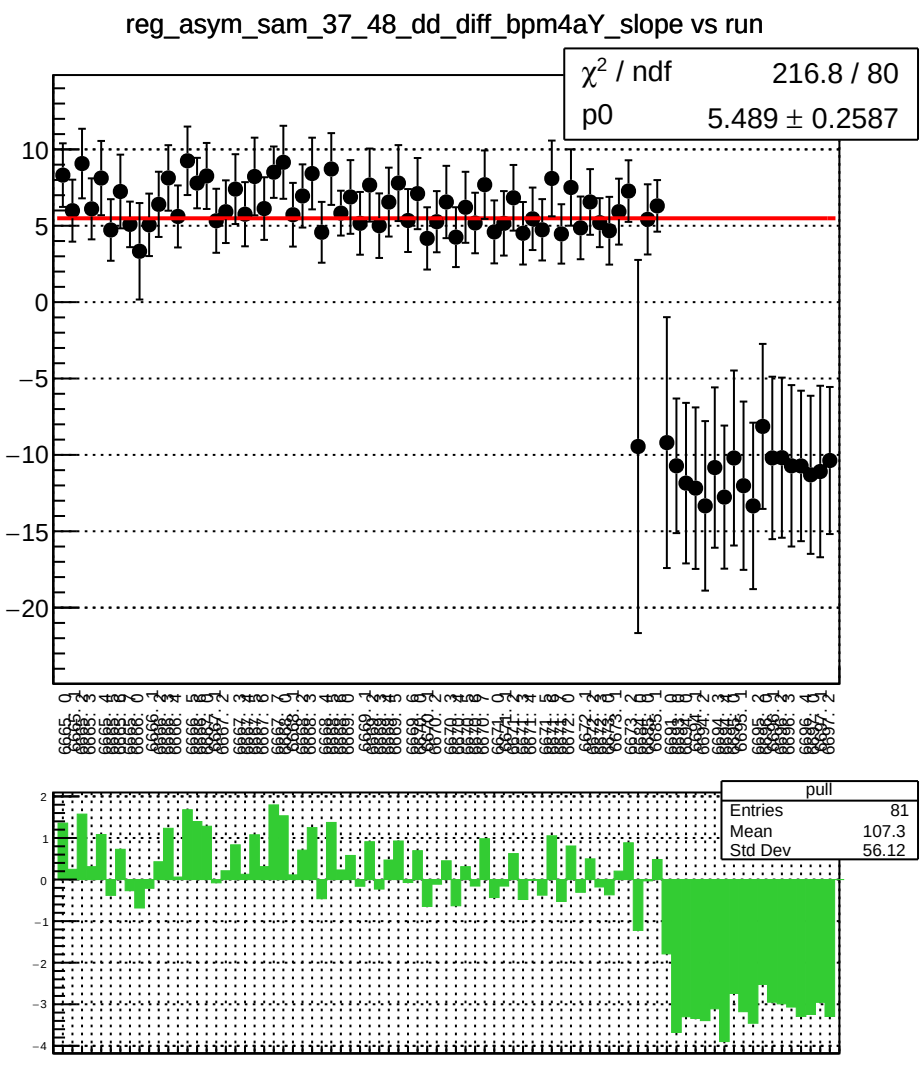

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.69 / 80
p0 36.07 ± 0.3918
pull
Entries 81
Mean 147.4
Std Dev 92.86
pull1D
Entries 81
Mean 0.007364
Std Dev 0.4258

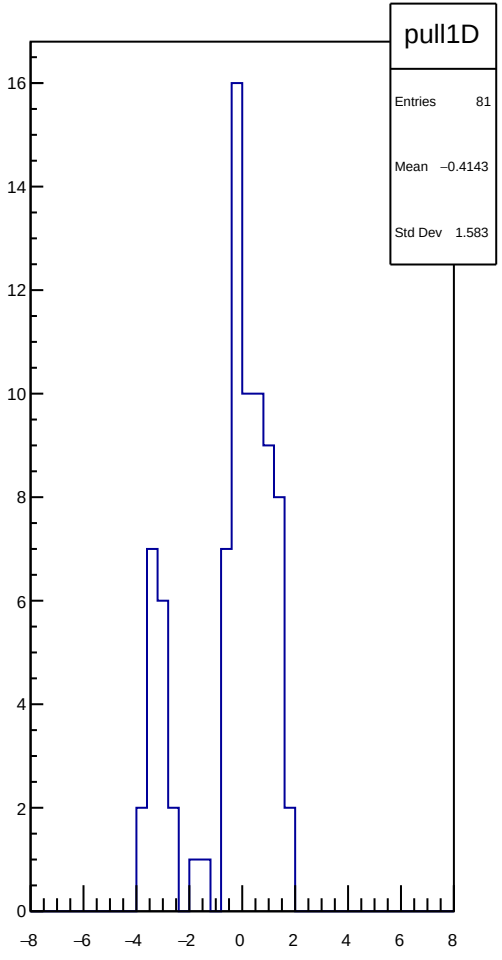

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.91 / 80
p0 −29.35 ± 0.3464
pull
Entries 81
Mean 105
Std Dev 51.19
pull1D
Entries 81
Mean 0.2216
Std Dev 0.9618

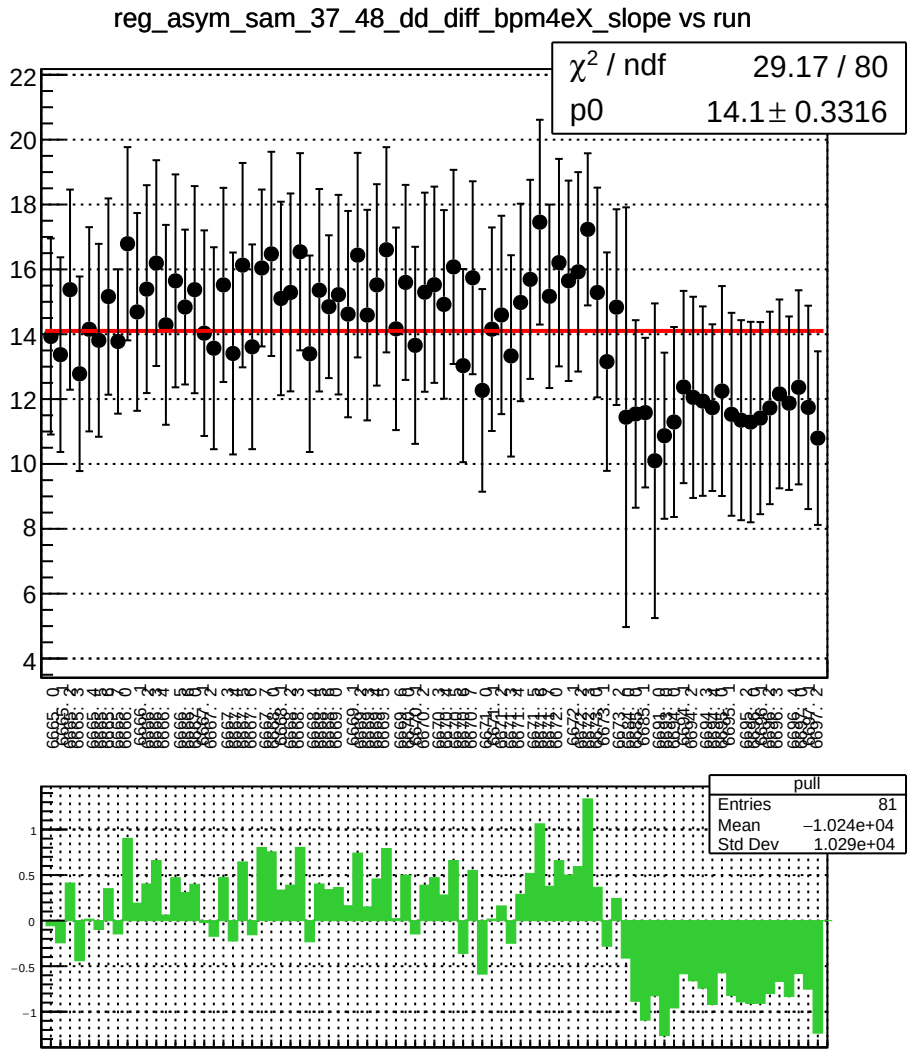

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 77.9 / 80
p0 −0.0524 ± 0.01538
pull
Entries 81
Mean 411.4
Std Dev 362.9
pull1D
Entries 81
Mean 0.04437
Std Dev 0.9797

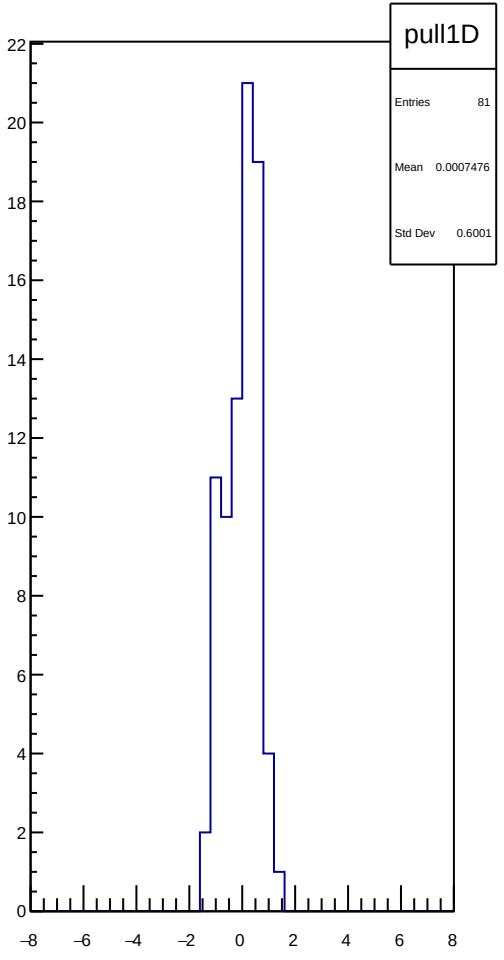

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 28.24 / 80
p0 4.57 ± 0.3137
pull
Entries 81
Mean 317
Std Dev 267.1

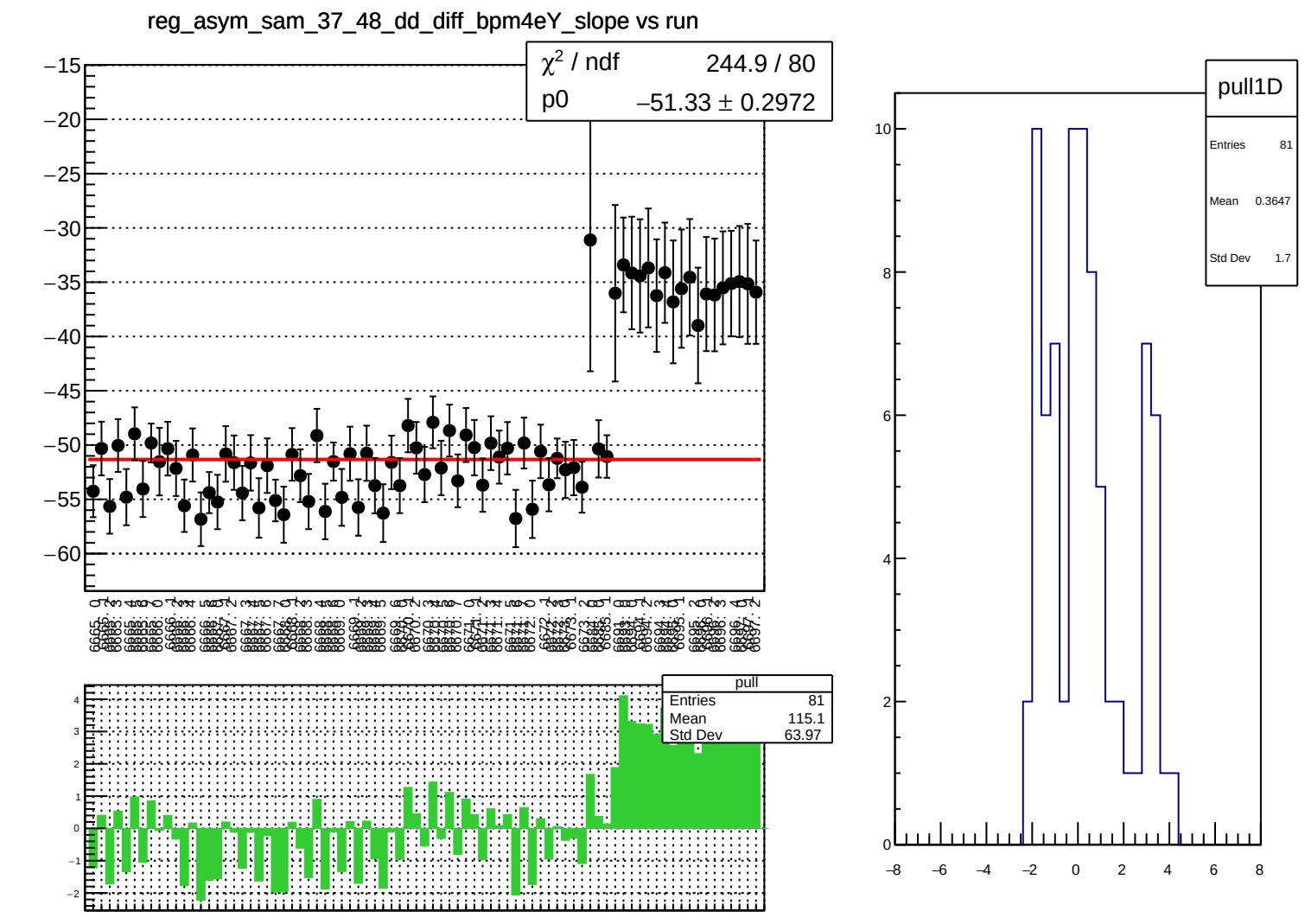

pull1D
Entries 81
Mean 0.02919
Std Dev 0.5898

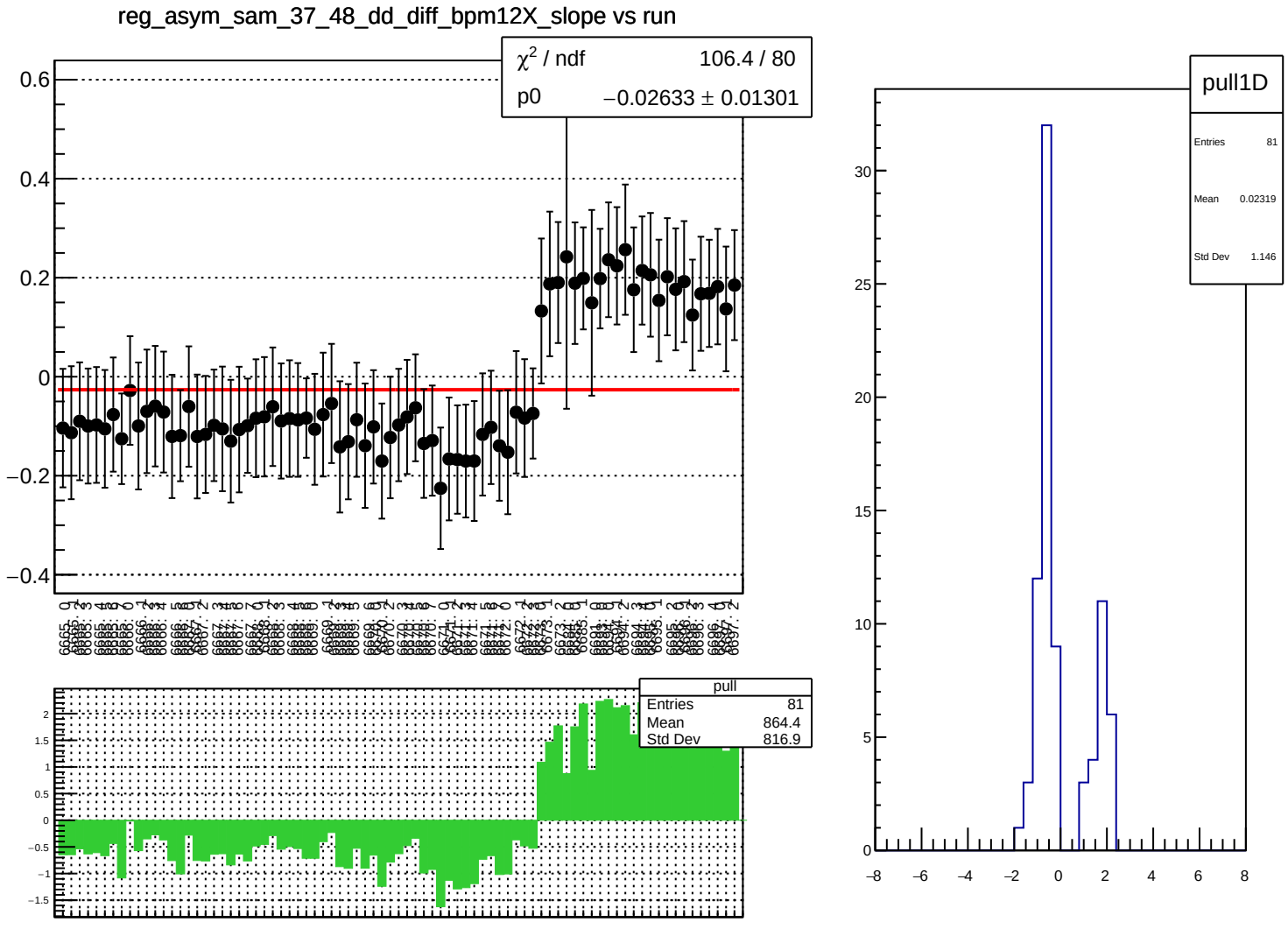

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 216.8 / 80
p0 5.489 ± 0.2587
pull
Entries 81
Mean 107.3
Std Dev 56.12

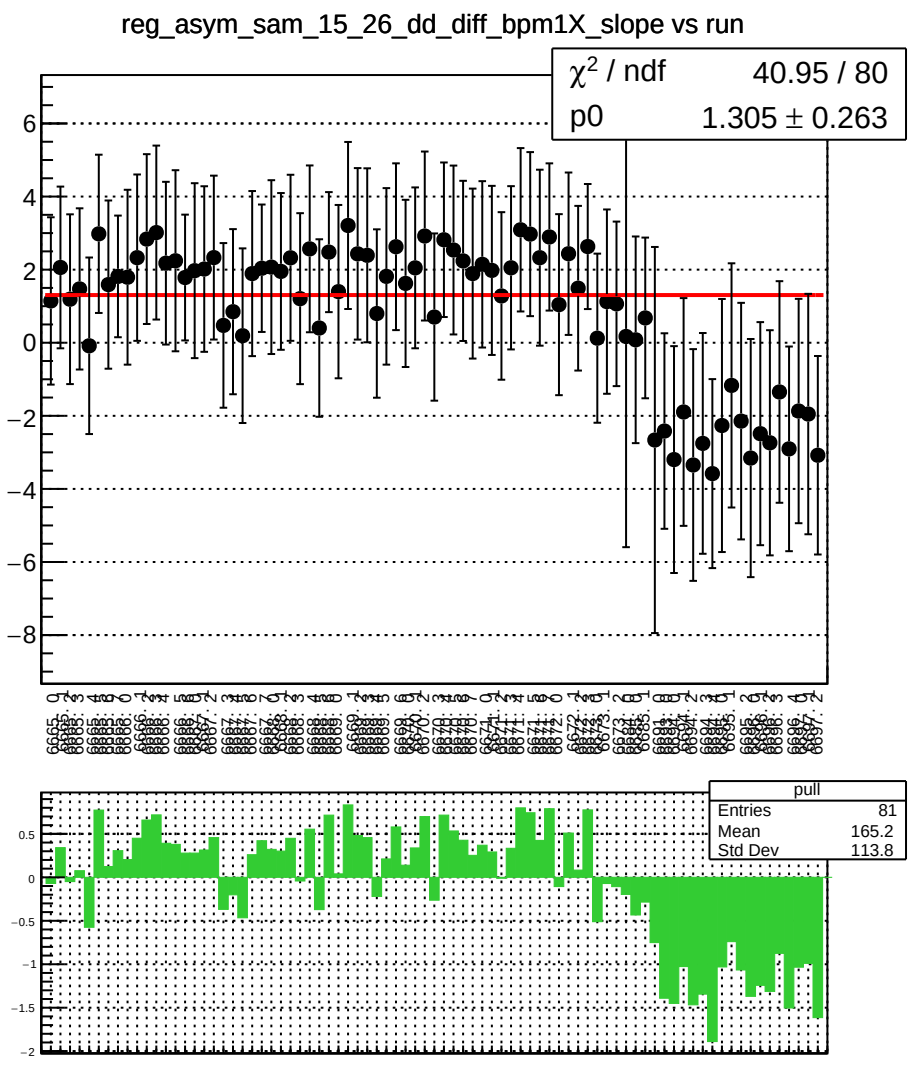

pull1D
Entries 81
Mean −0.4143
Std Dev 1.583

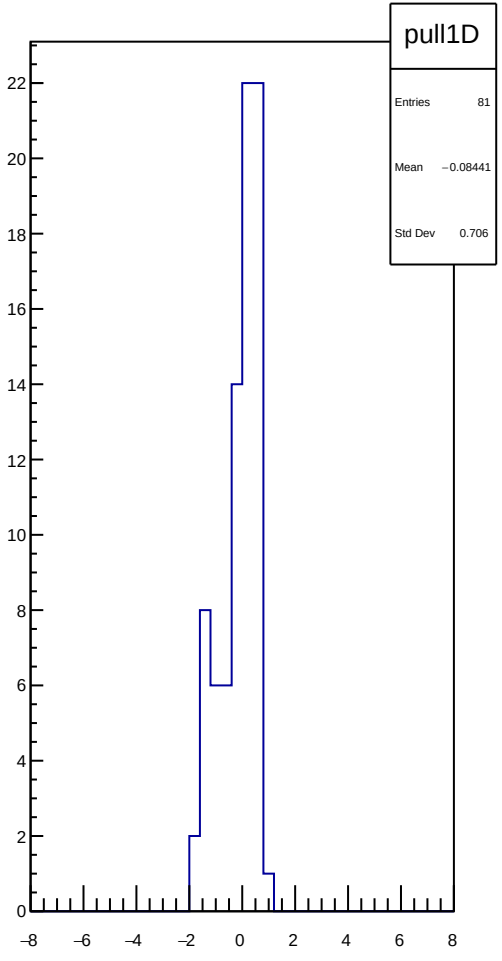

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.17 / 80
p0 14.1 ± 0.3316
pull
Entries 81
Mean −1.024e+04
Std Dev 1.029e+04

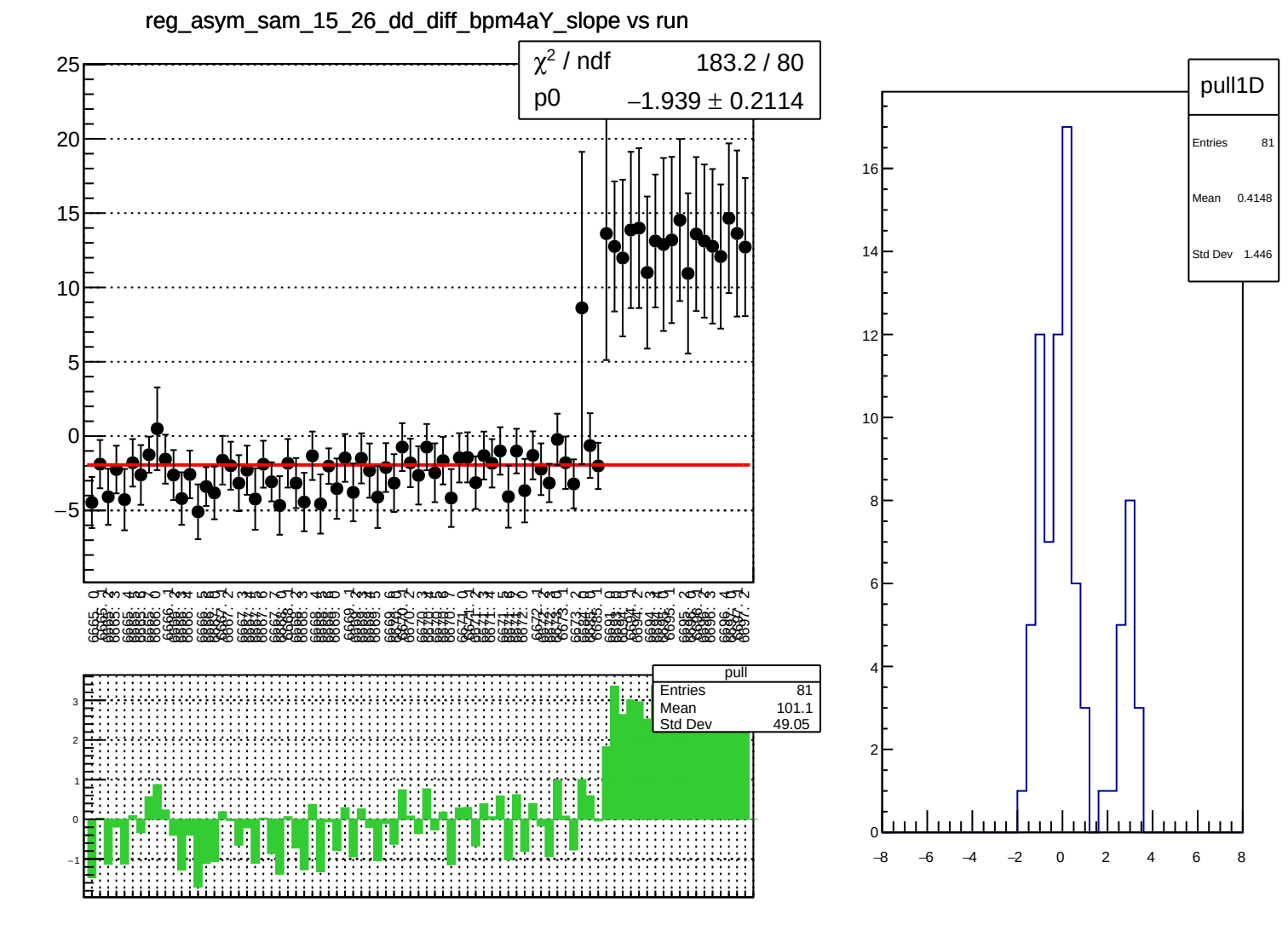

pull1D
Entries 81
Mean 0.0007476
Std Dev 0.6001

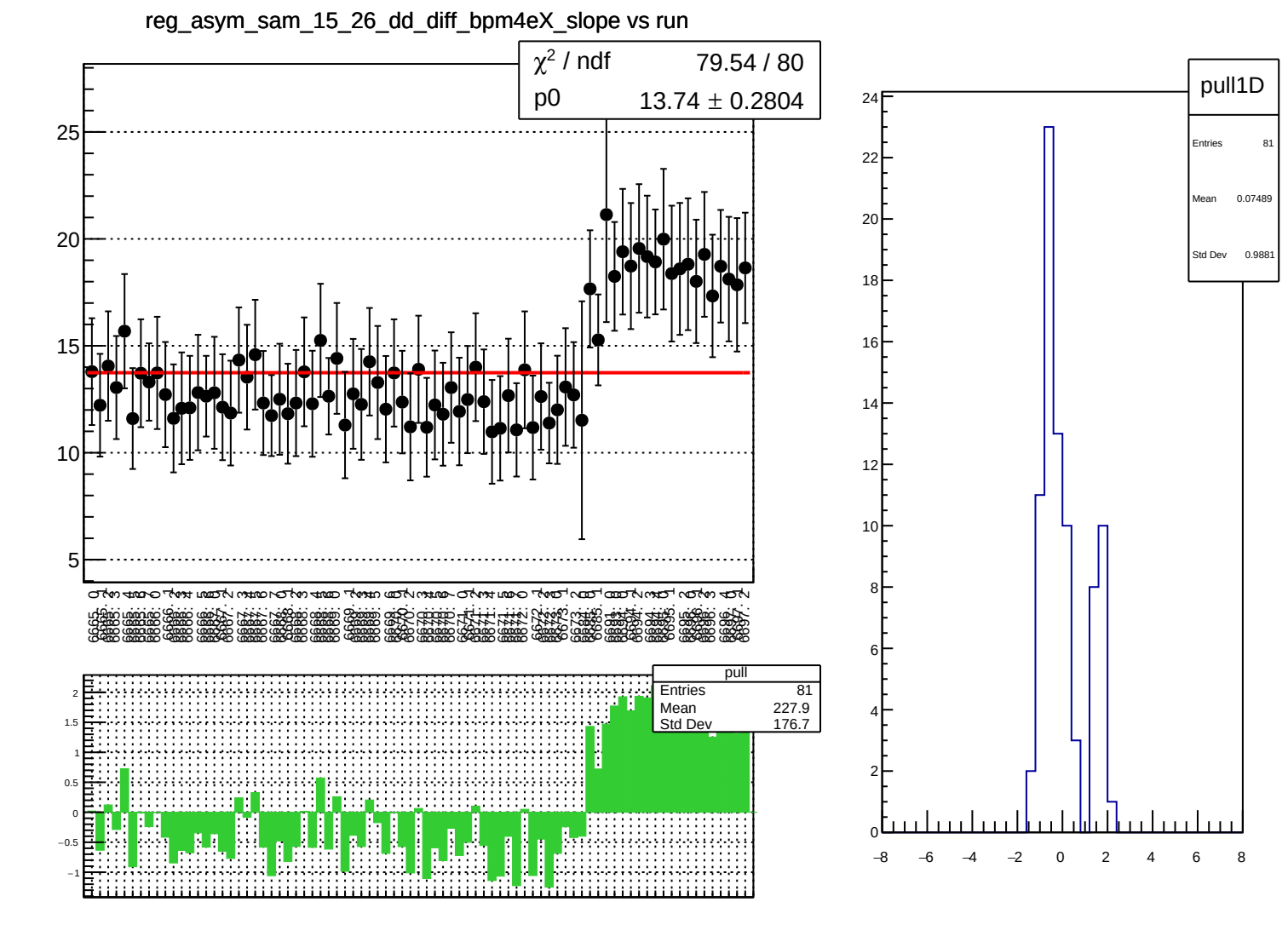

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 244.9 / 80
p0 −51.33 ± 0.2972
pull
Entries 81
Mean 115.1
Std Dev 63.97
pull1D
Entries 81
Mean 0.3647
Std Dev 1.7

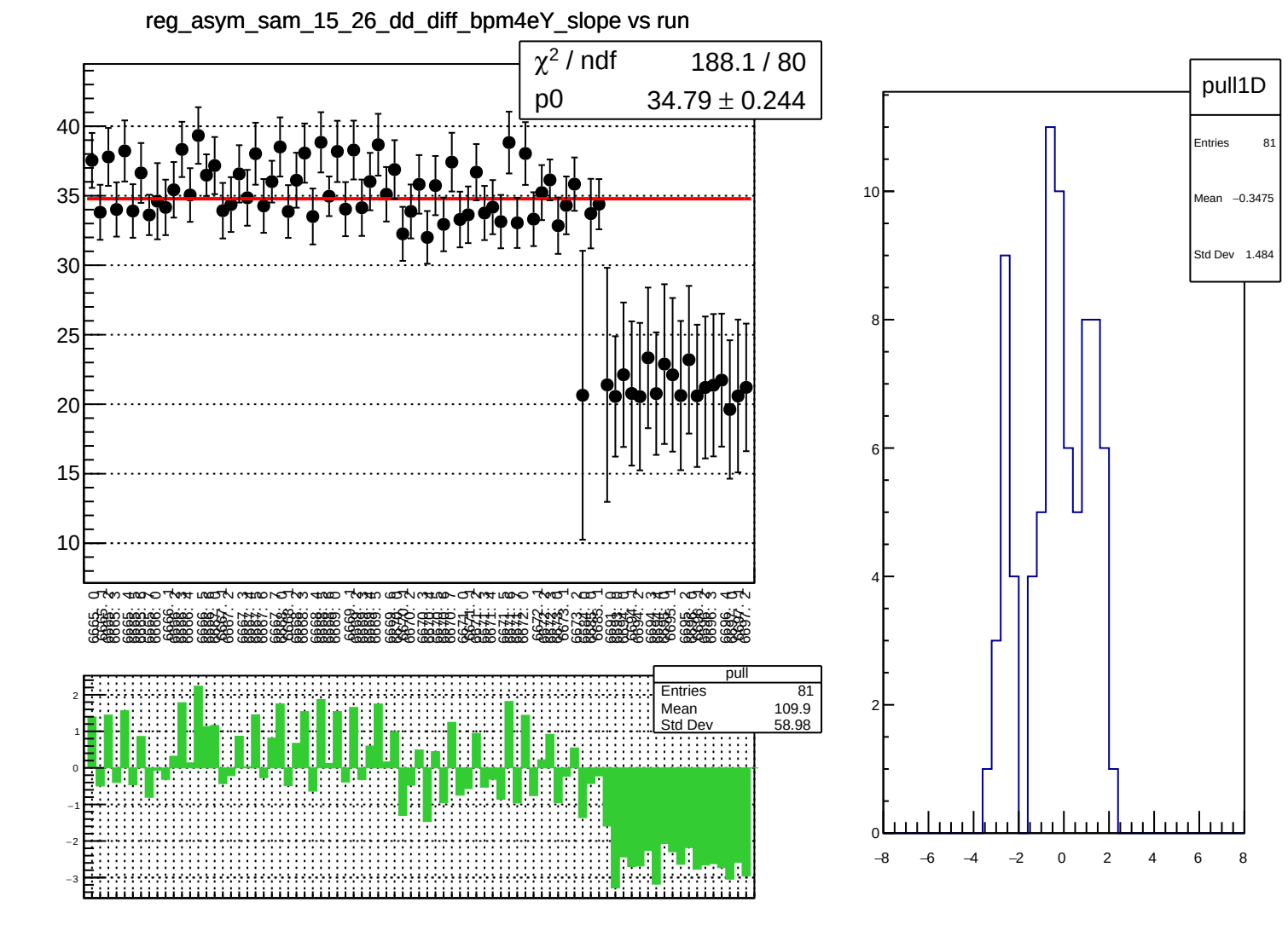

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 106.4 / 80
p0 −0.02633 ± 0.01301
pull
Entries 81
Mean 864.4
Std Dev 816.9
pull1D
Entries 81
Mean 0.02319
Std Dev 1.146

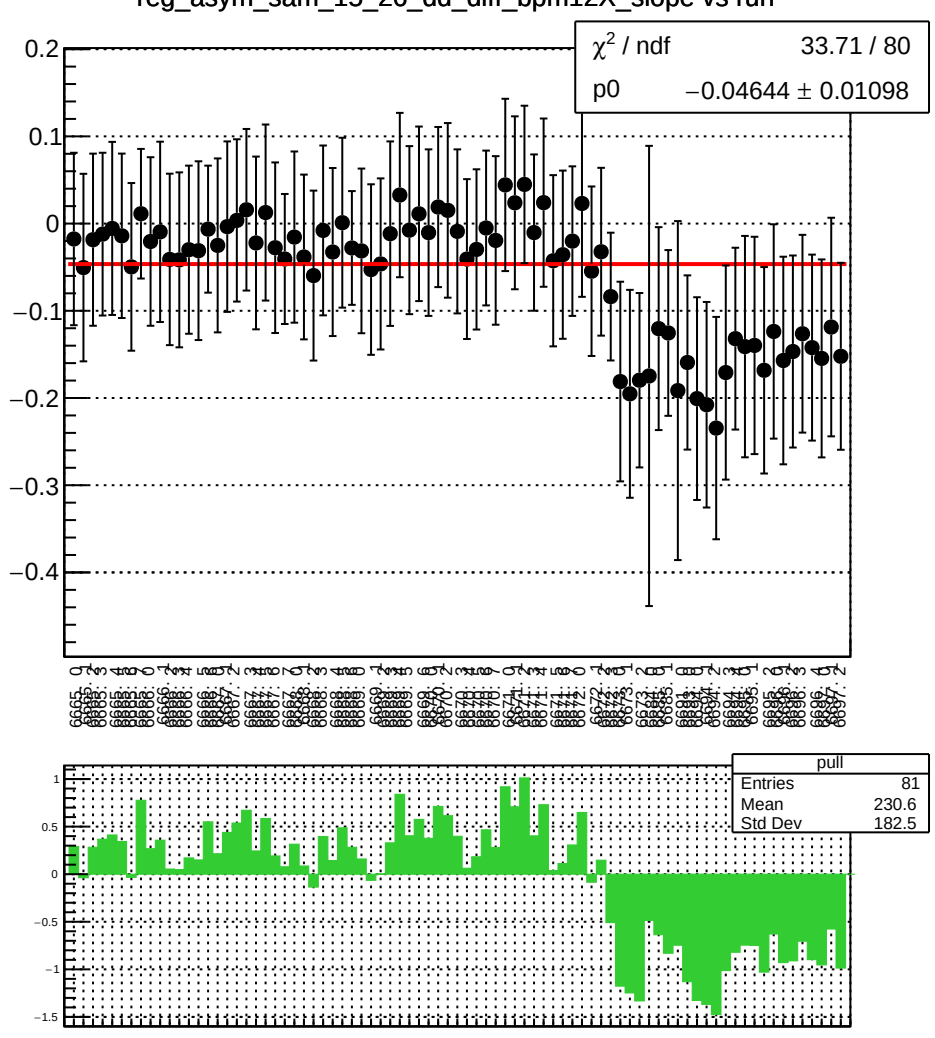

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 40.95 / 80
p0 1.305 ± 0.263
pull
Entries 81
Mean 165.2
Std Dev 113.8

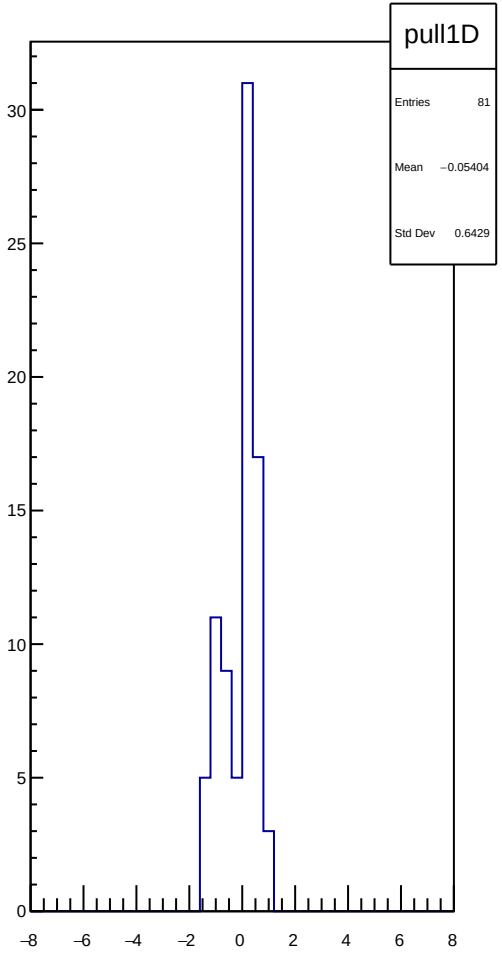

pull1D
Entries 81
Mean −0.08441
Std Dev 0.706

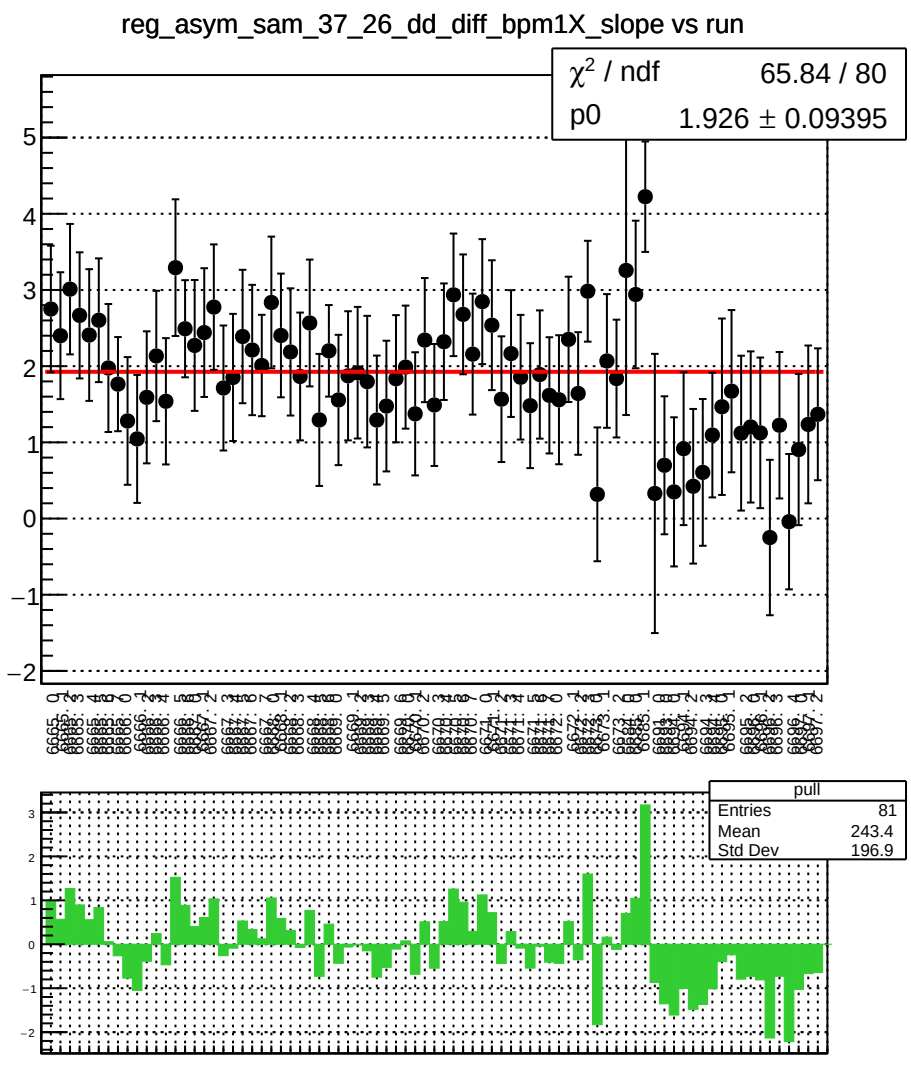

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 183.2 / 80
p0 −1.939 ± 0.2114
pull
Entries 81
Mean 101.1
Std Dev 49.05
pull1D
Entries 81
Mean 0.4148
Std Dev 1.446

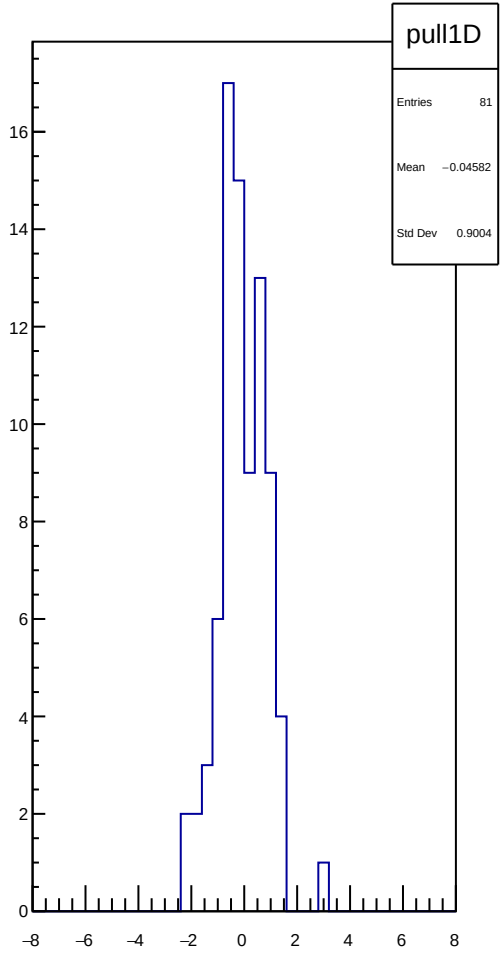

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 79.54 / 80
p0 13.74 ± 0.2804
pull
Entries 81
Mean 227.9
Std Dev 176.7
pull1D
Entries 81
Mean 0.07489
Std Dev 0.9881

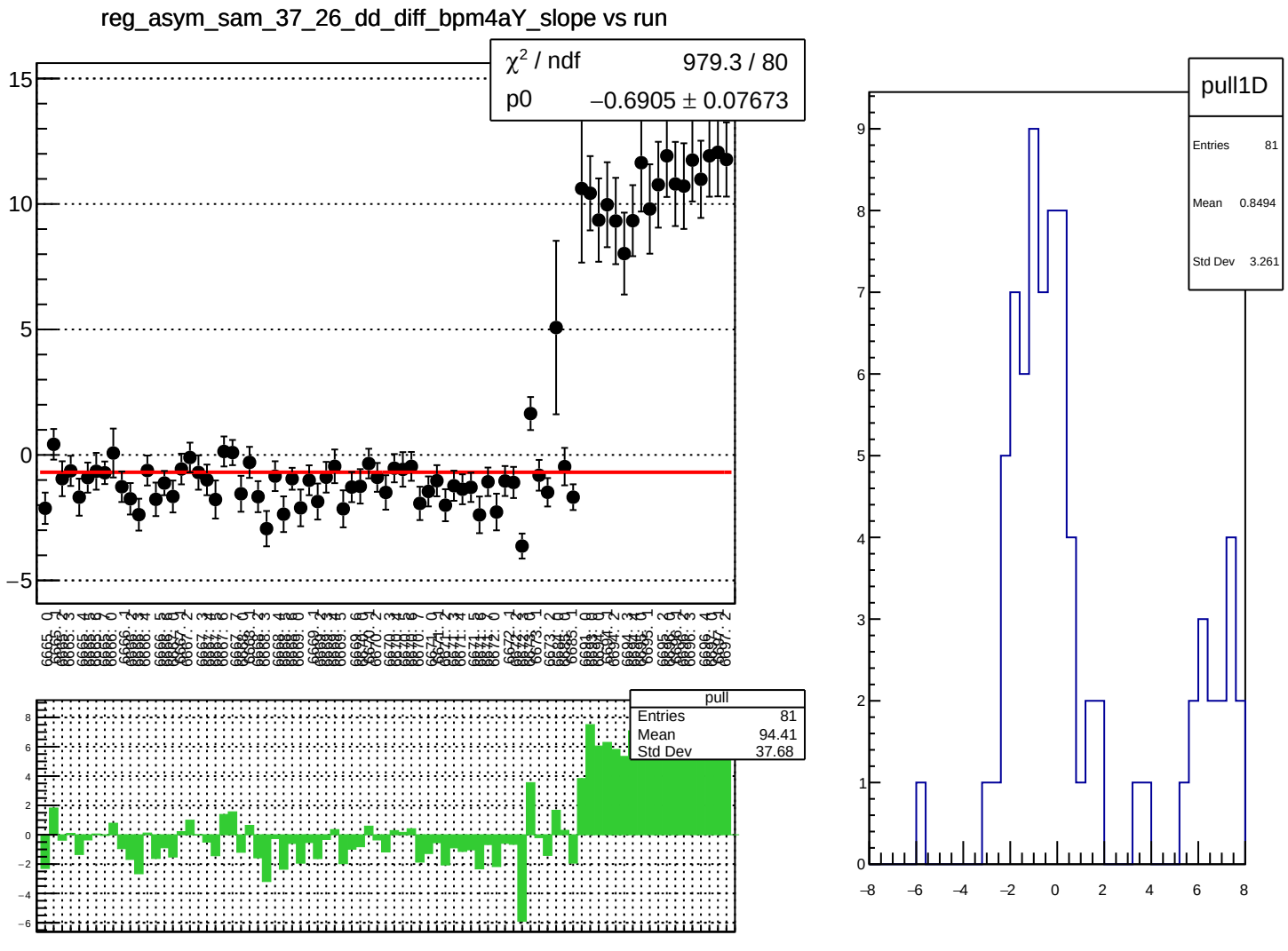

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 188.1 / 80
p0 34.79 ± 0.244
pull
Entries 81
Mean 109.9
Std Dev 58.98
pull1D
Entries 81
Mean −0.3475
Std Dev 1.484

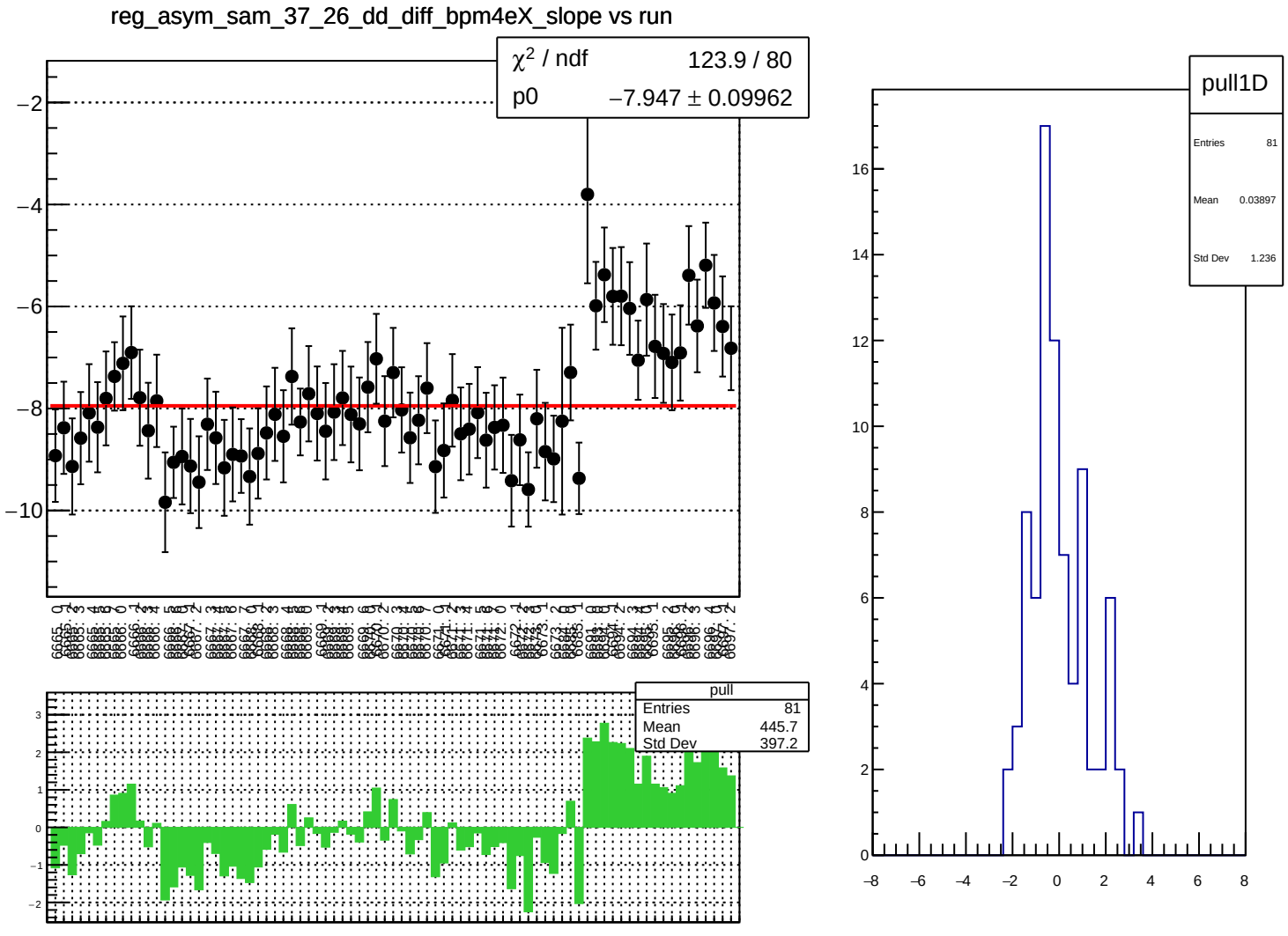

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 33.71 / 80
p0 −0.04644 ± 0.01098
pull
Entries 81
Mean 230.6
Std Dev 182.5

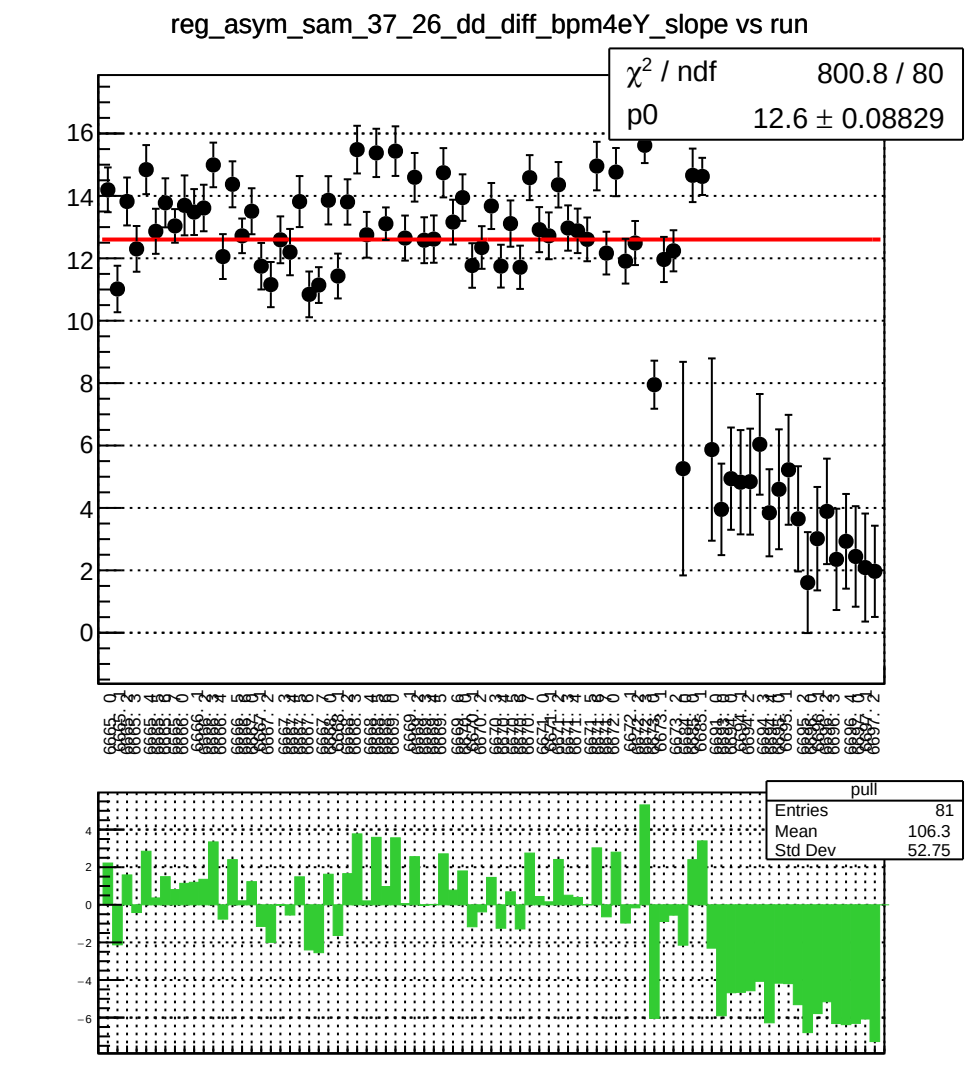

pull1D
Entries 81
Mean −0.05404
Std Dev 0.6429

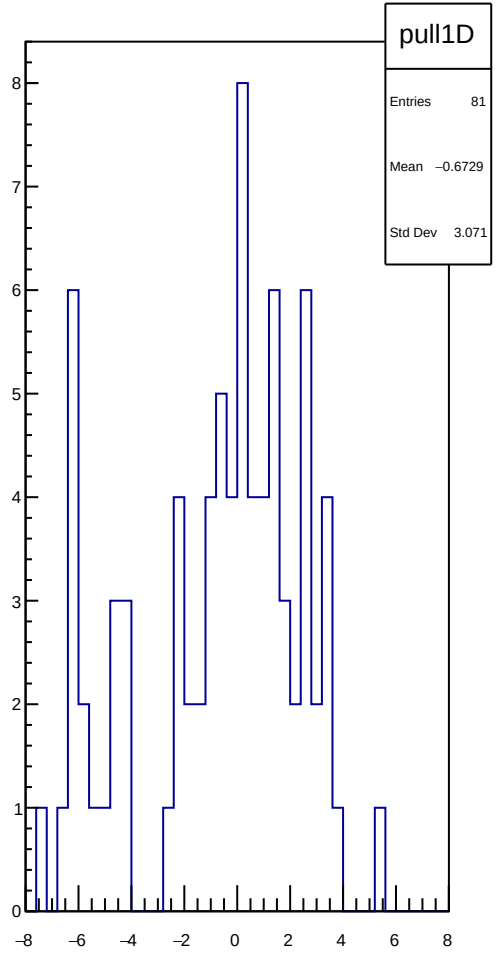

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 65.84 / 80
p0 1.926 ± 0.09395
pull
Entries 81
Mean 243.4
Std Dev 196.9

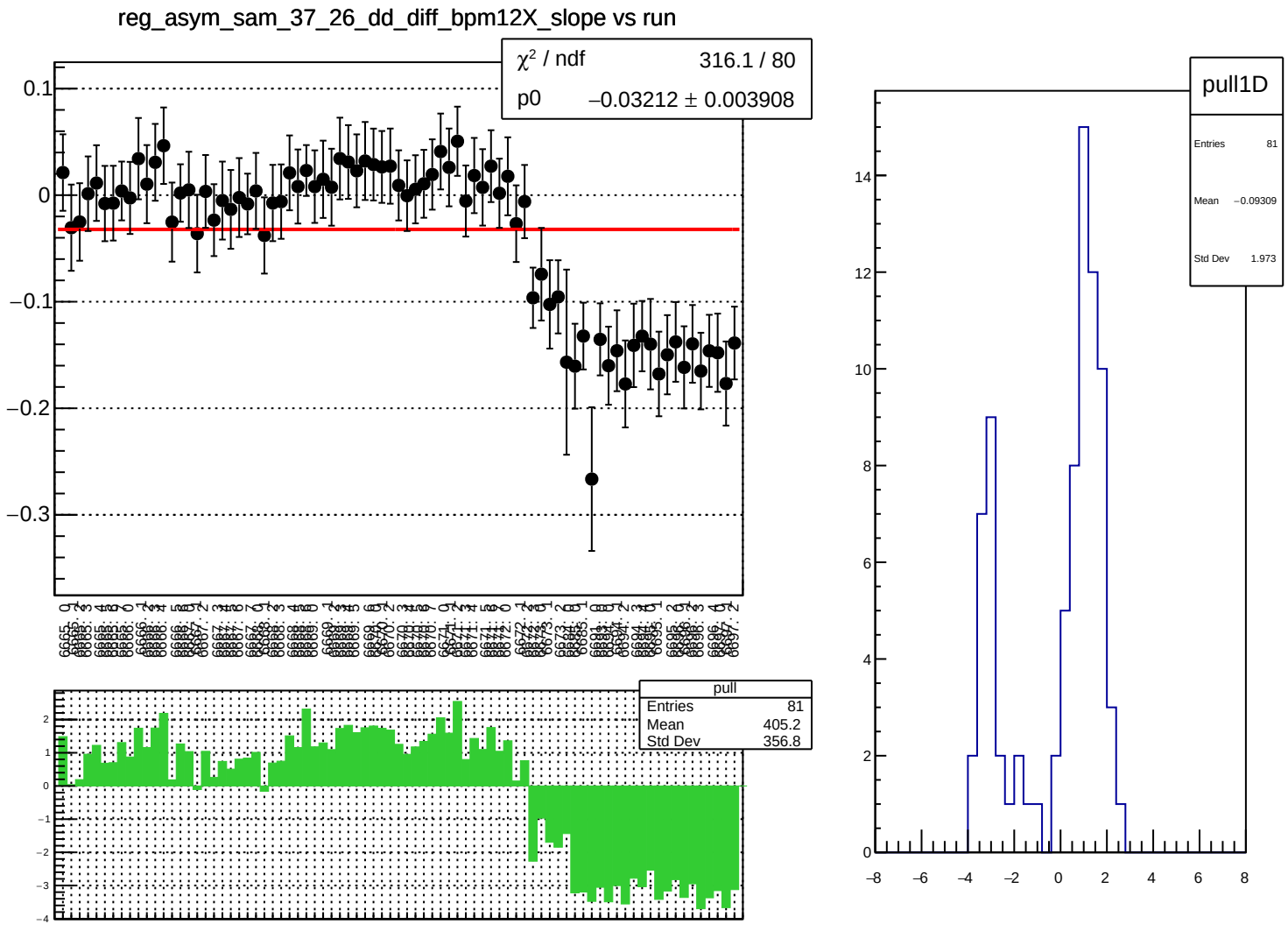

pull1D
Entries 81
Mean −0.04582
Std Dev 0.9004

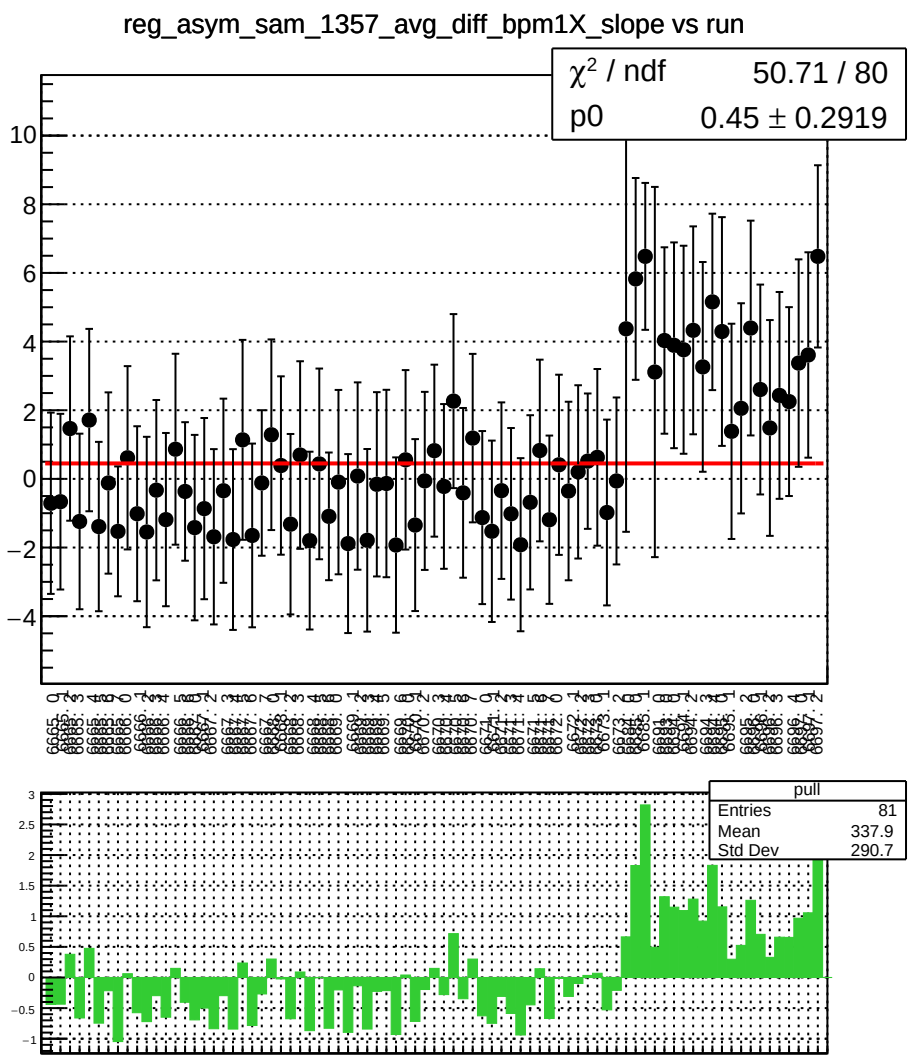

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 979.3 / 80
p0 −0.6905 ± 0.07673
pull
Entries 81
Mean 94.41
Std Dev 37.68
pull1D
Entries 81
Mean 0.8494
Std Dev 3.261

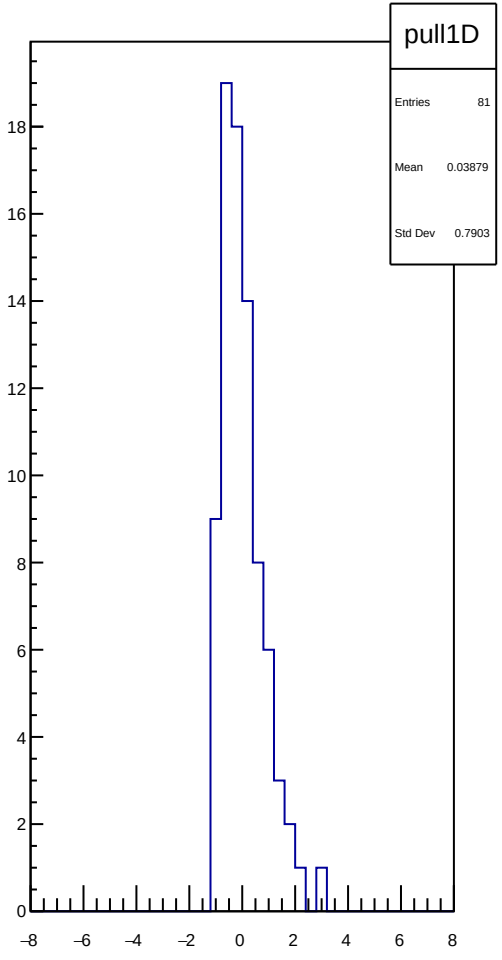

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 123.9 / 80
p0 −7.947 ± 0.09962
pull
Entries 81
Mean 445.7
Std Dev 397.2
pull1D
Entries 81
Mean 0.03897
Std Dev 1.236

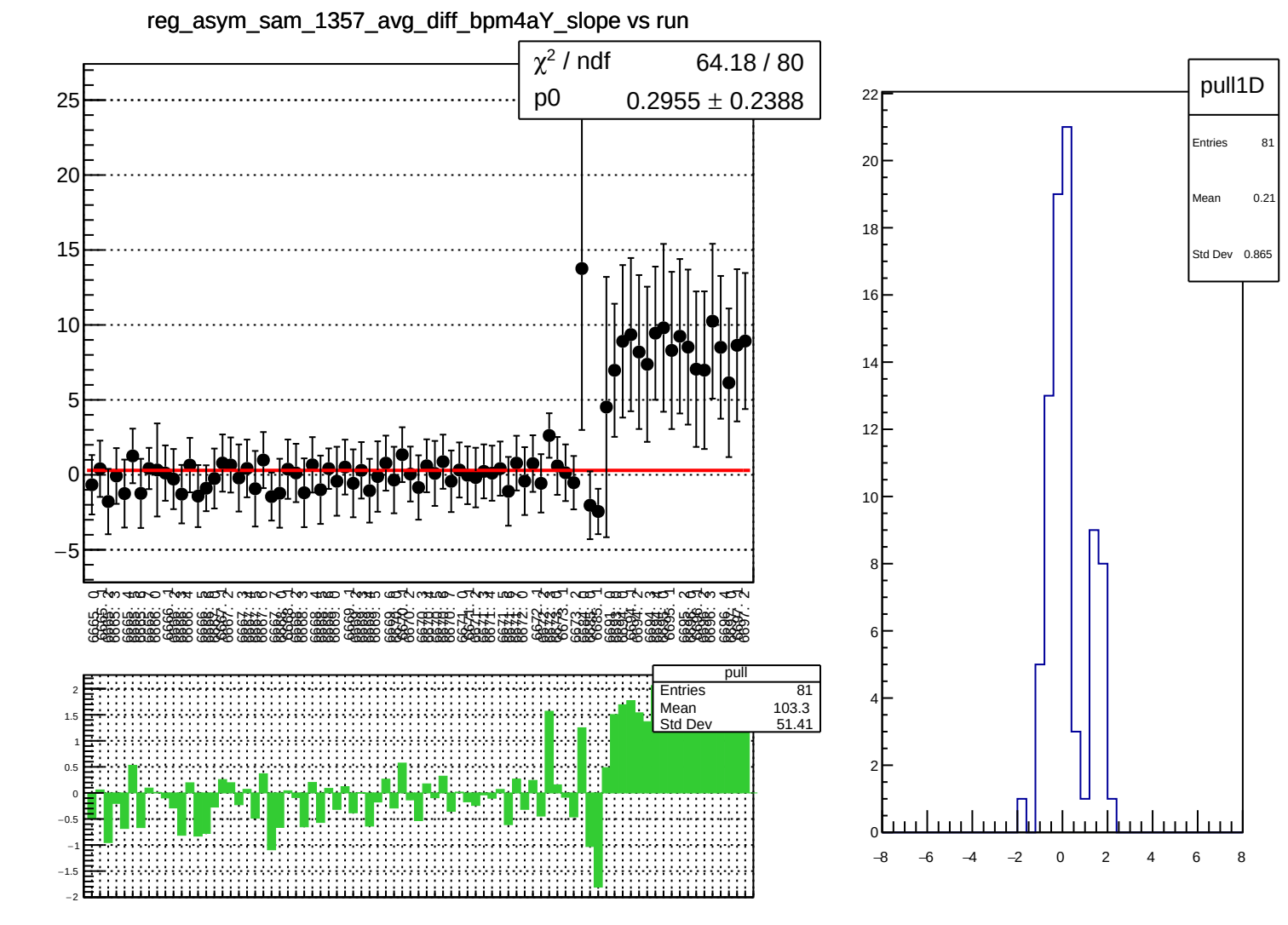

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 800.8 / 80
p0 12.6 ± 0.08829
pull
Entries 81
Mean 106.3
Std Dev 52.75

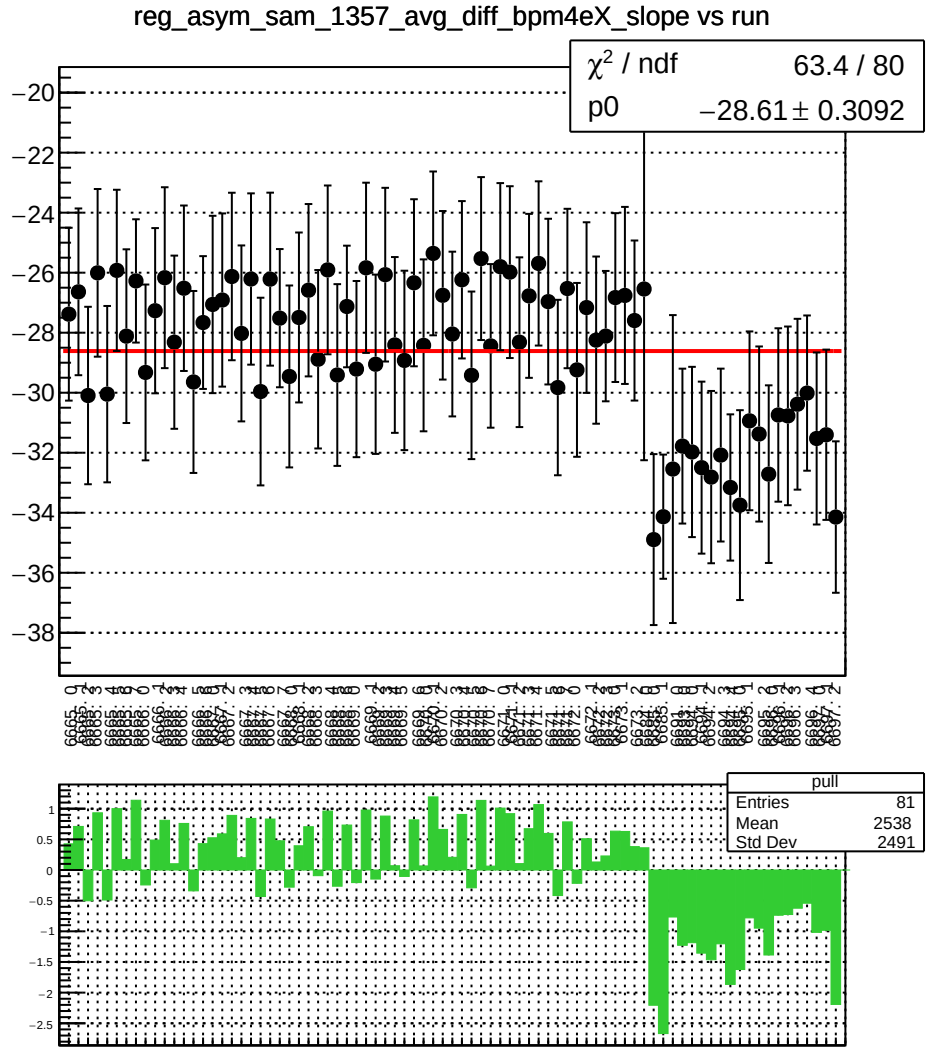

pull1D
Entries 81
Mean −0.6729
Std Dev 3.071

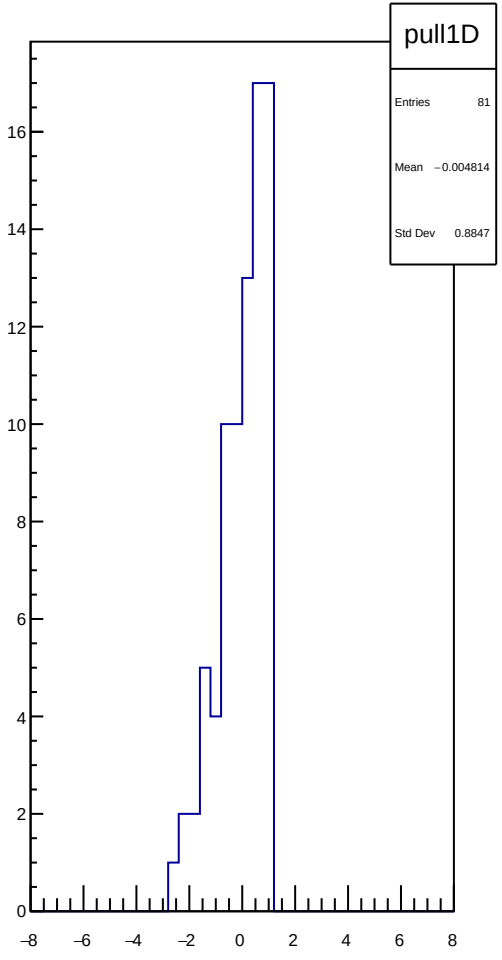

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 316.1 / 80
p0 −0.03212 ± 0.003908
pull
Entries 81
Mean 405.2
Std Dev 356.8
pull1D
Entries 81
Mean −0.09309
Std Dev 1.973

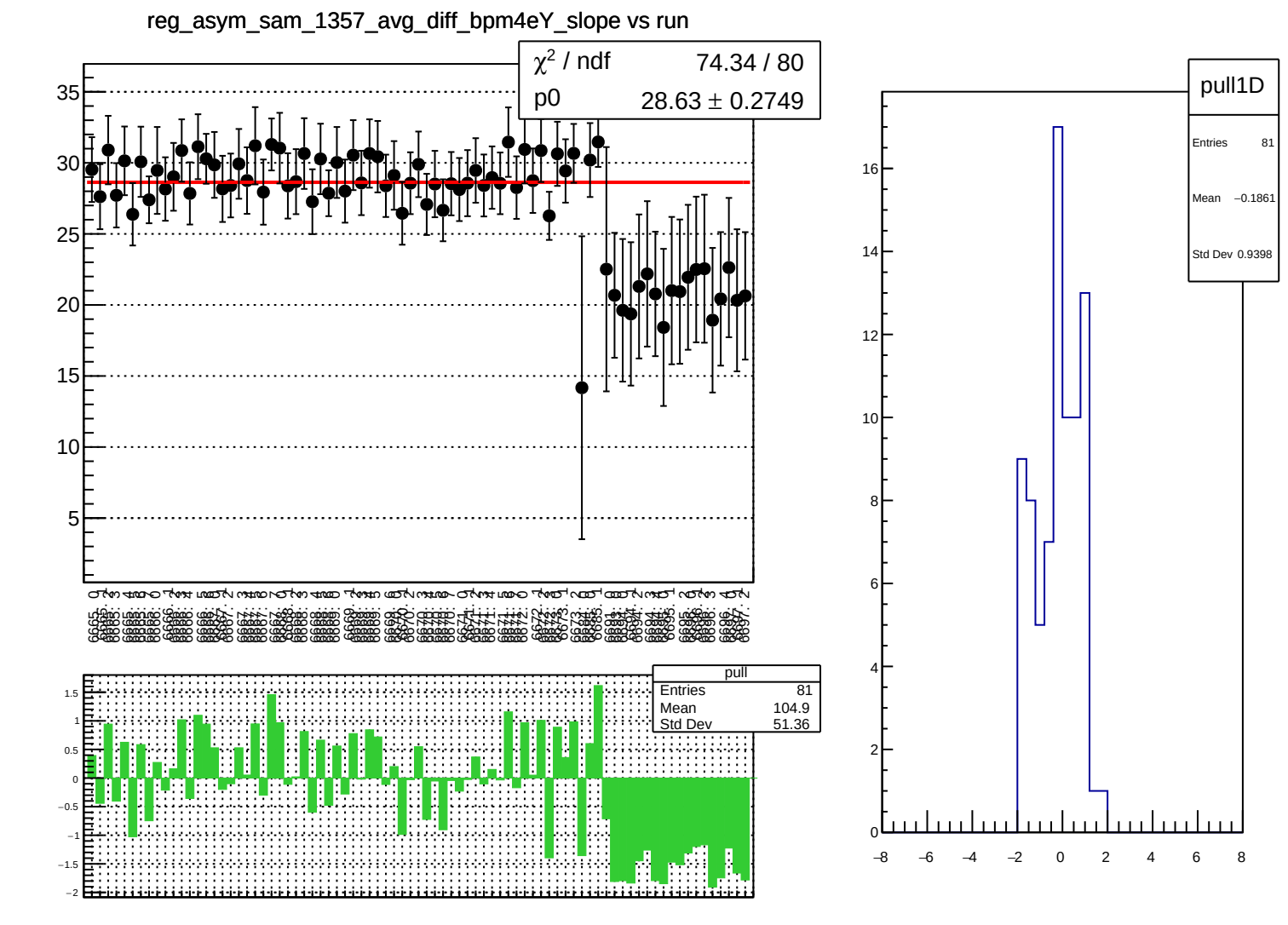

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 50.71 / 80
p0 0.45 ± 0.2919
pull
Entries 81
Mean 337.9
Std Dev 290.7

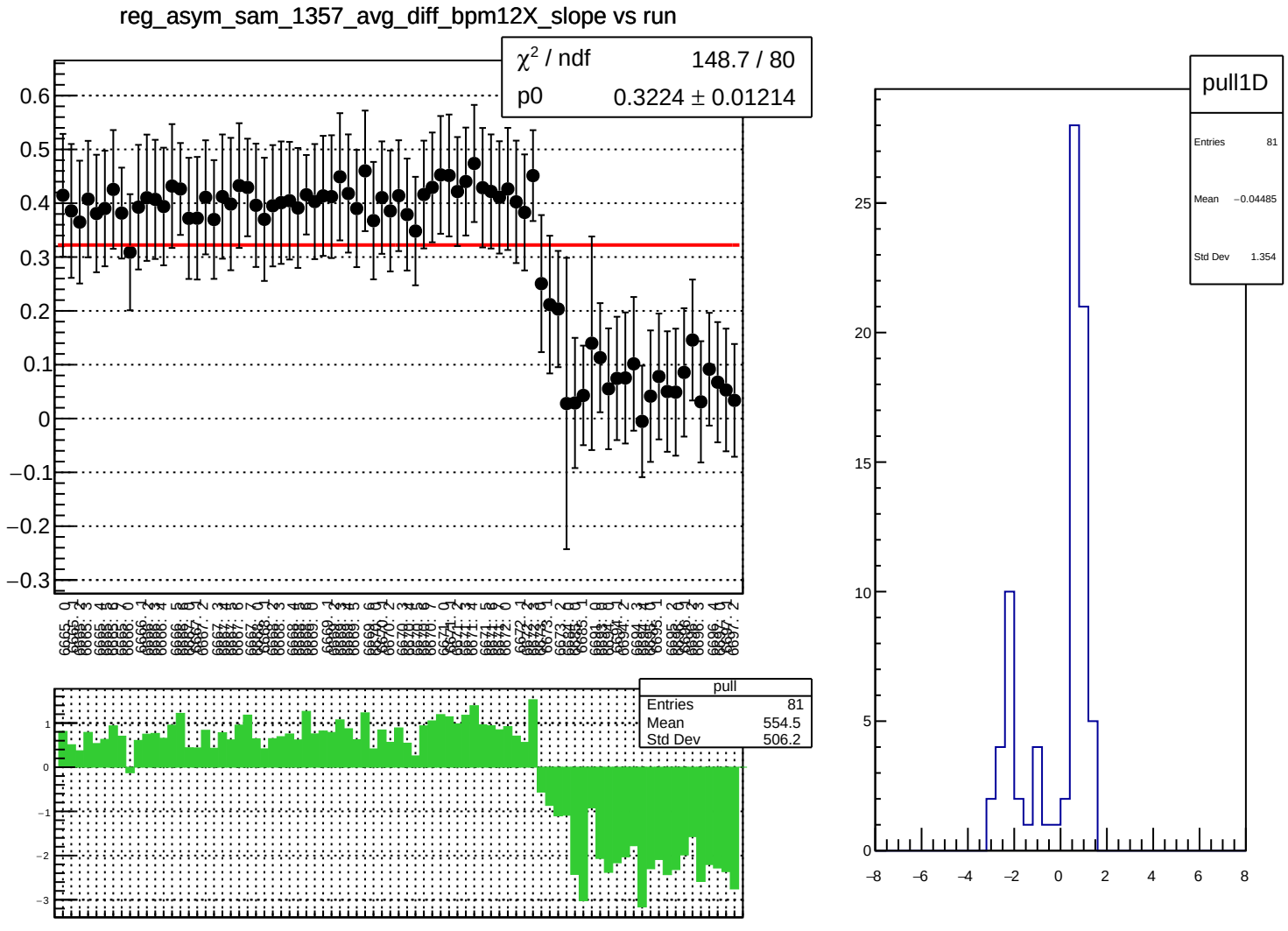

pull1D
Entries 81
Mean 0.03879
Std Dev 0.7903

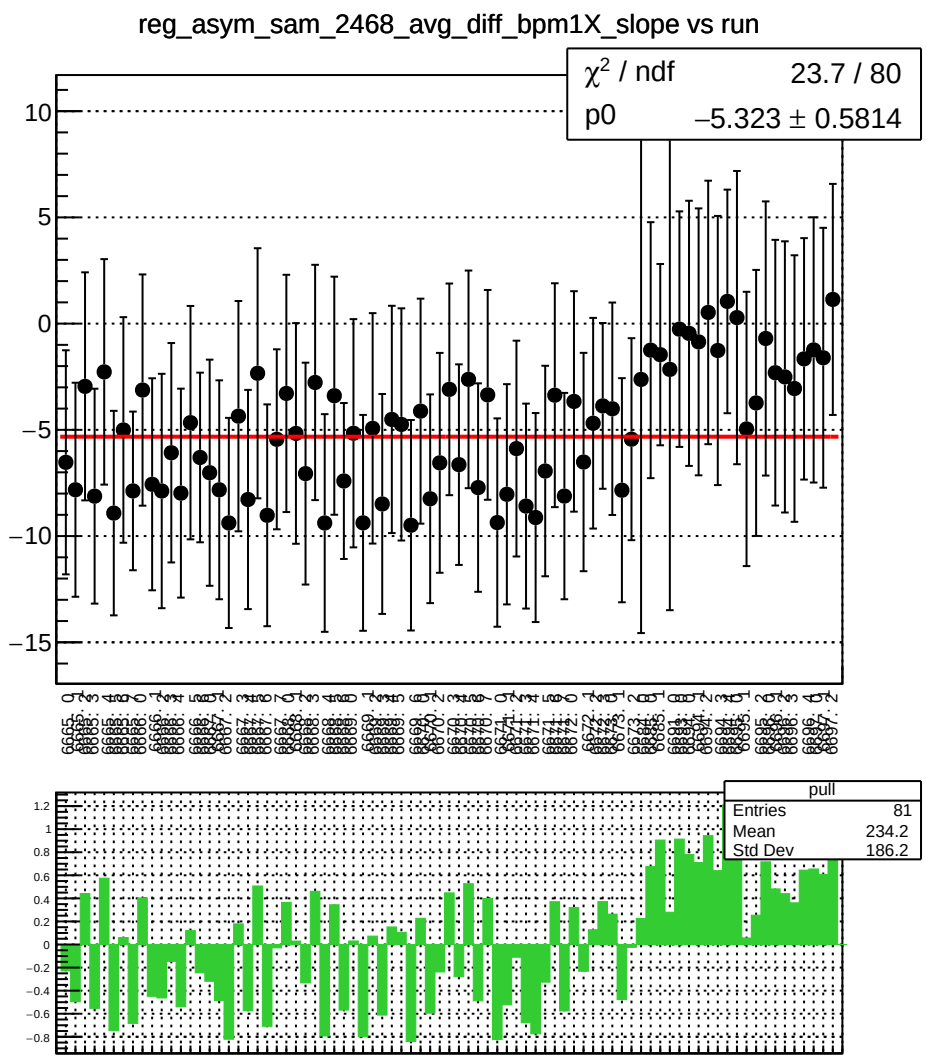

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.18 / 80
p0 0.2955 ± 0.2388
pull
Entries 81
Mean 103.3
Std Dev 51.41
pull1D
Entries 81
Mean 0.21
Std Dev 0.865

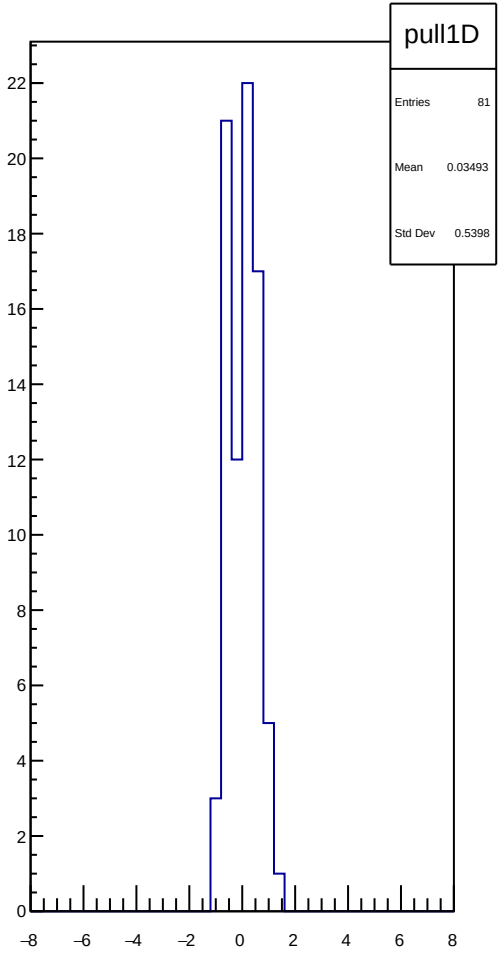

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.4 / 80
p0 −28.61 ± 0.3092
pull
Entries 81
Mean 2538
Std Dev 2491

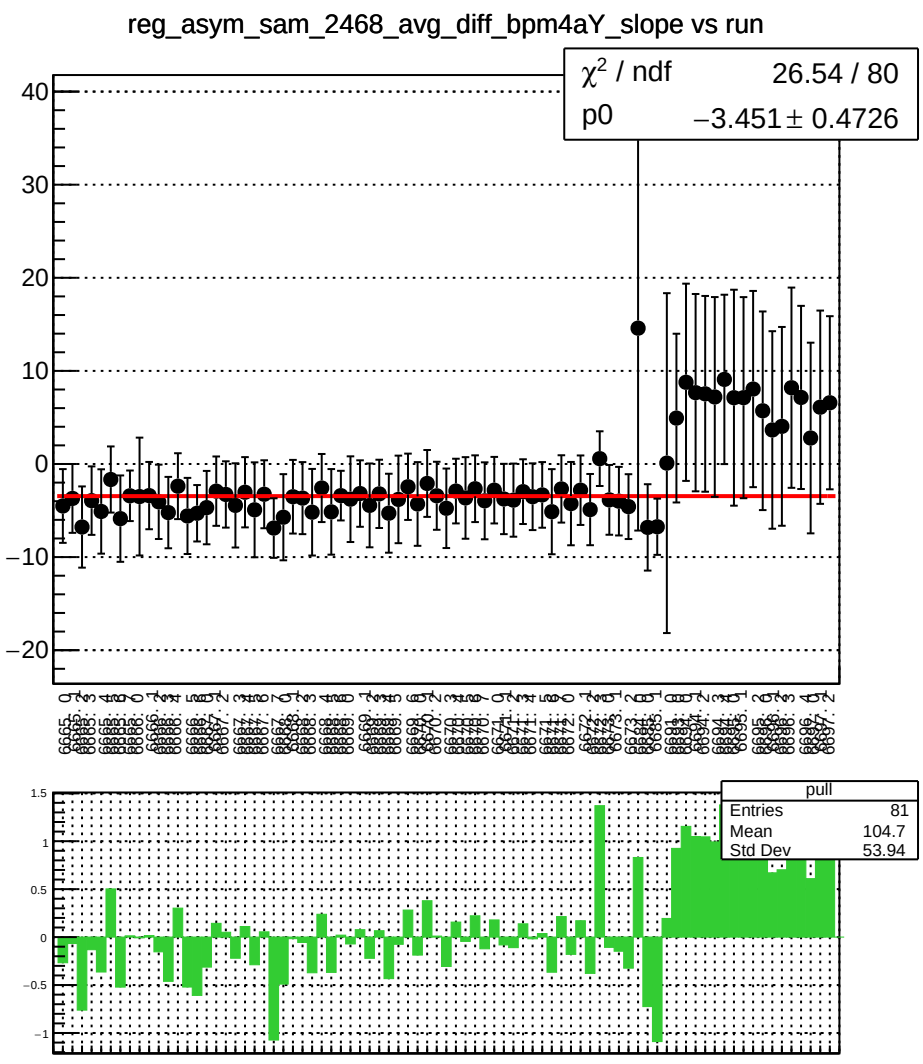

pull1D
Entries 81
Mean −0.004814
Std Dev 0.8847

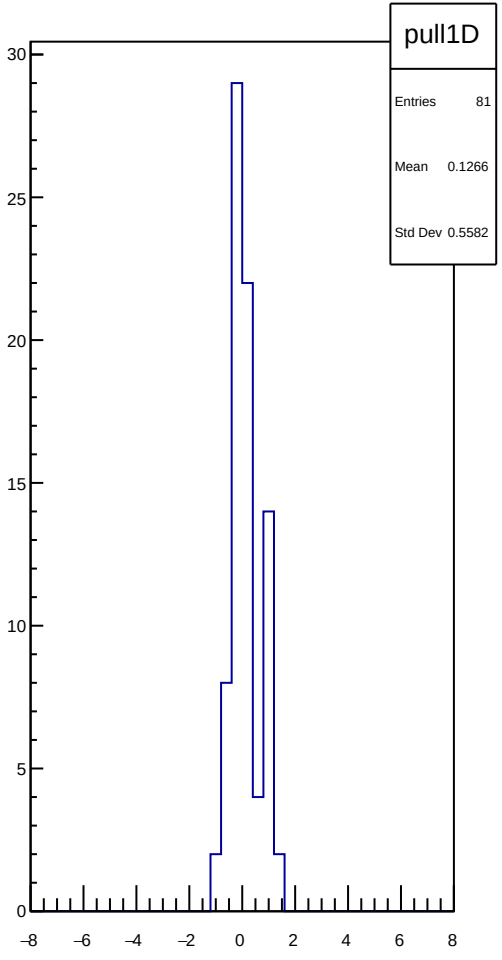

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.34 / 80
p0 28.63 ± 0.2749
pull
Entries 81
Mean 104.9
Std Dev 51.36
pull1D
Entries 81
Mean −0.1861
Std Dev 0.9398

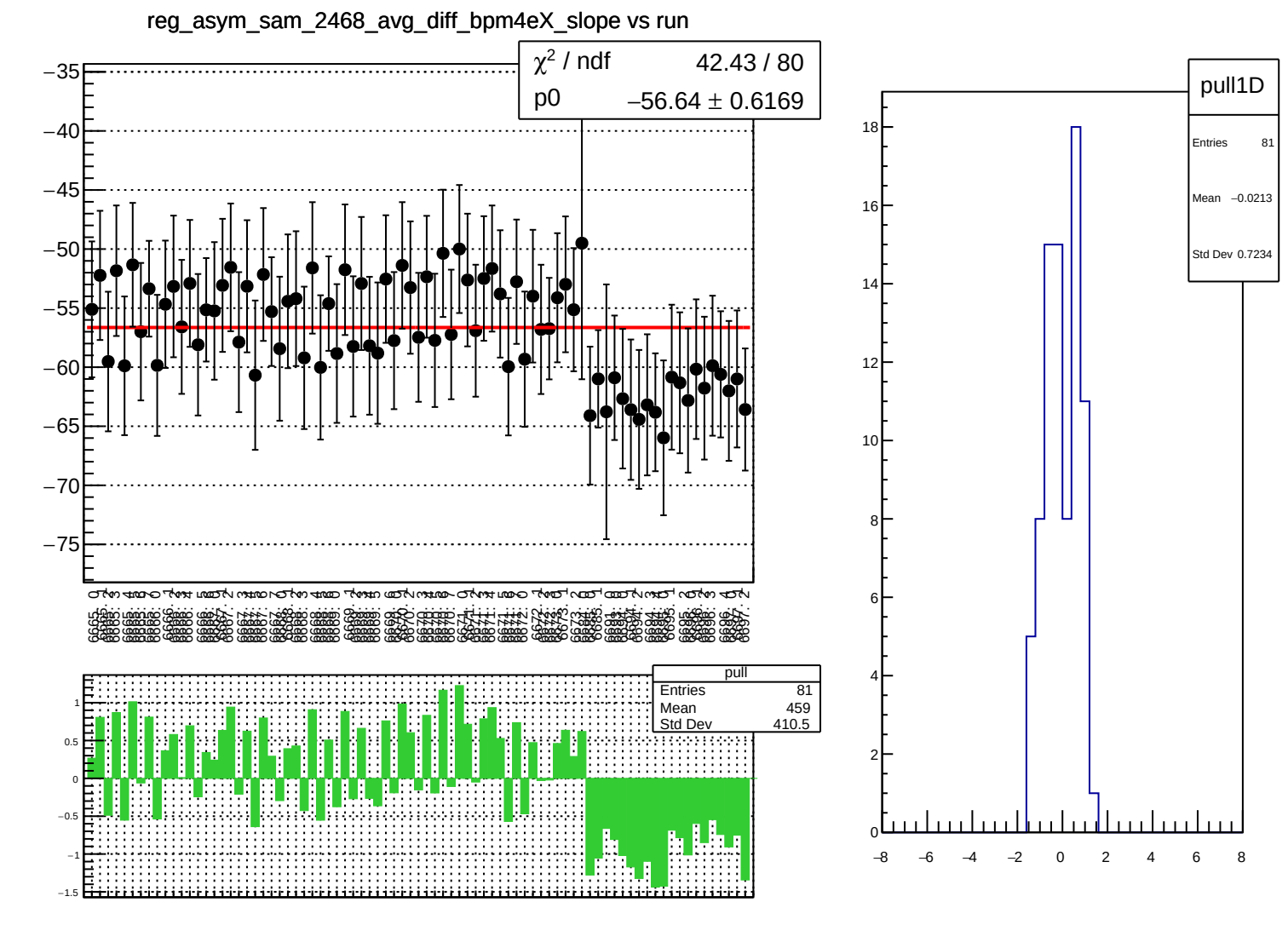

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 148.7 / 80
p0 0.3224 ± 0.01214
pull
Entries 81
Mean 554.5
Std Dev 506.2
pull1D
Entries 81
Mean −0.04485
Std Dev 1.354

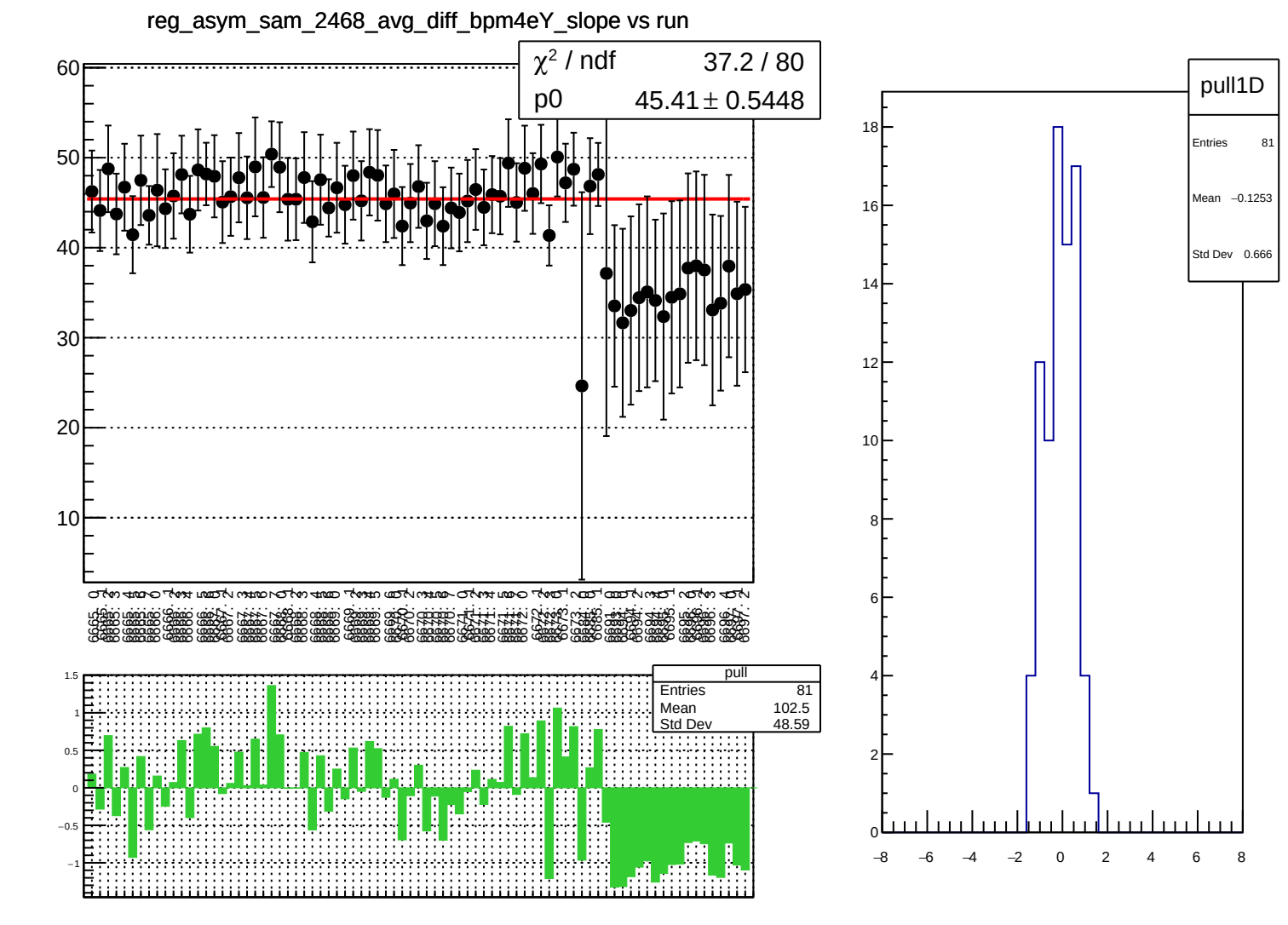

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 23.7 / 80
p0 −5.323 ± 0.5814
pull
Entries 81
Mean 234.2
Std Dev 186.2

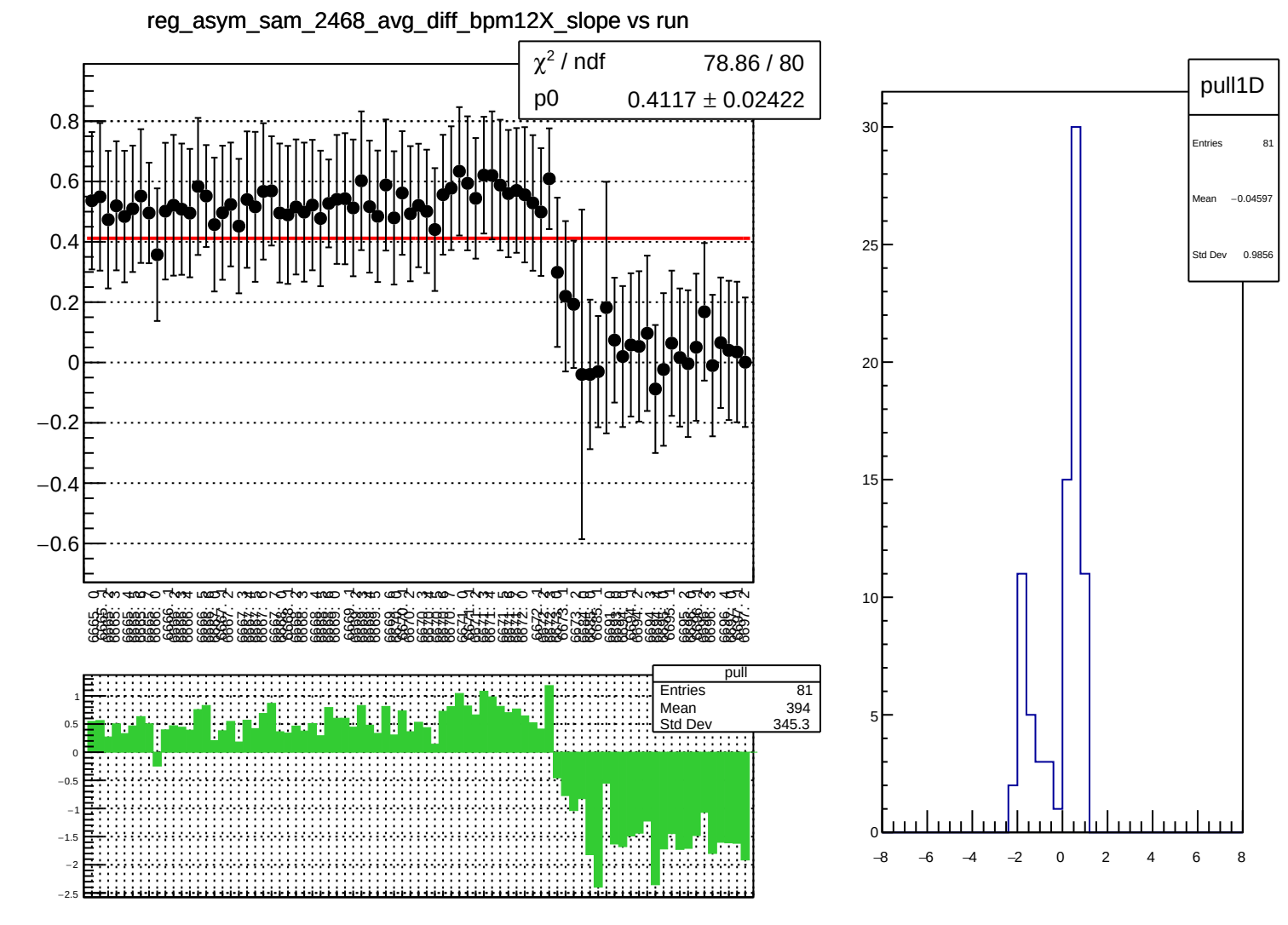

pull1D
Entries 81
Mean 0.03493
Std Dev 0.5398

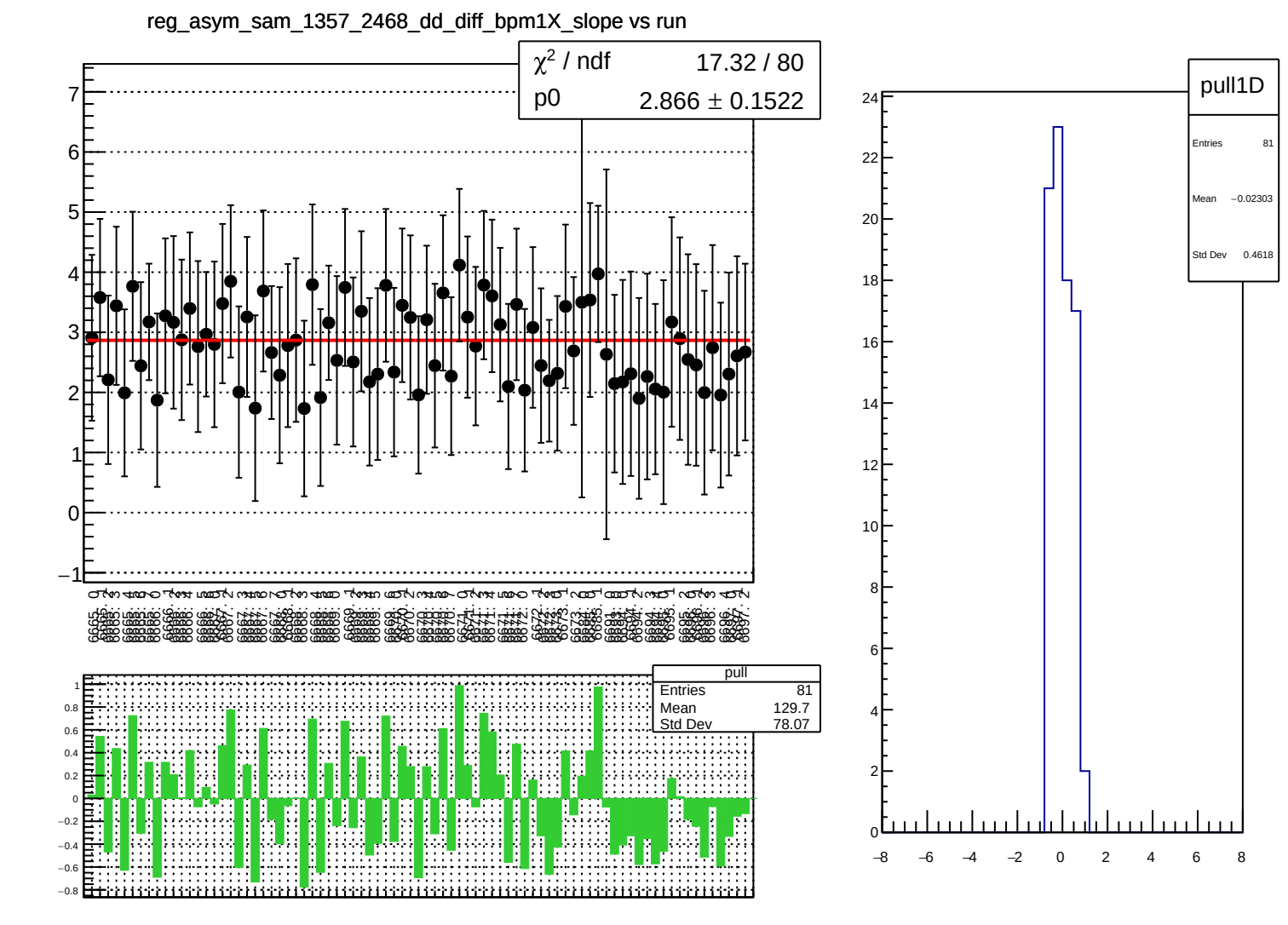

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.54 / 80
p0 −3.451 ± 0.4726
pull
Entries 81
Mean 104.7
Std Dev 53.94

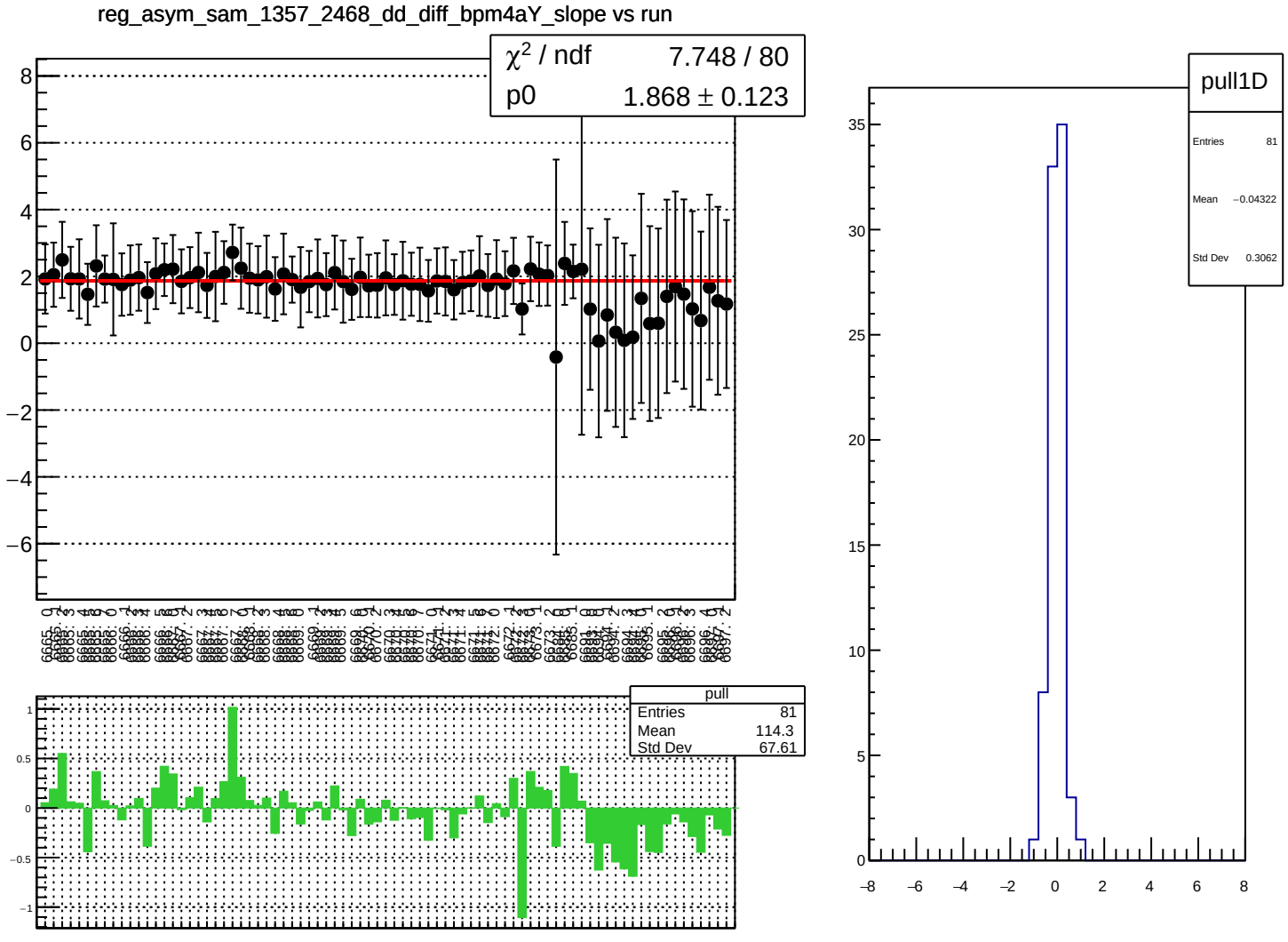

pull1D
Entries 81
Mean 0.1266
Std Dev 0.5582

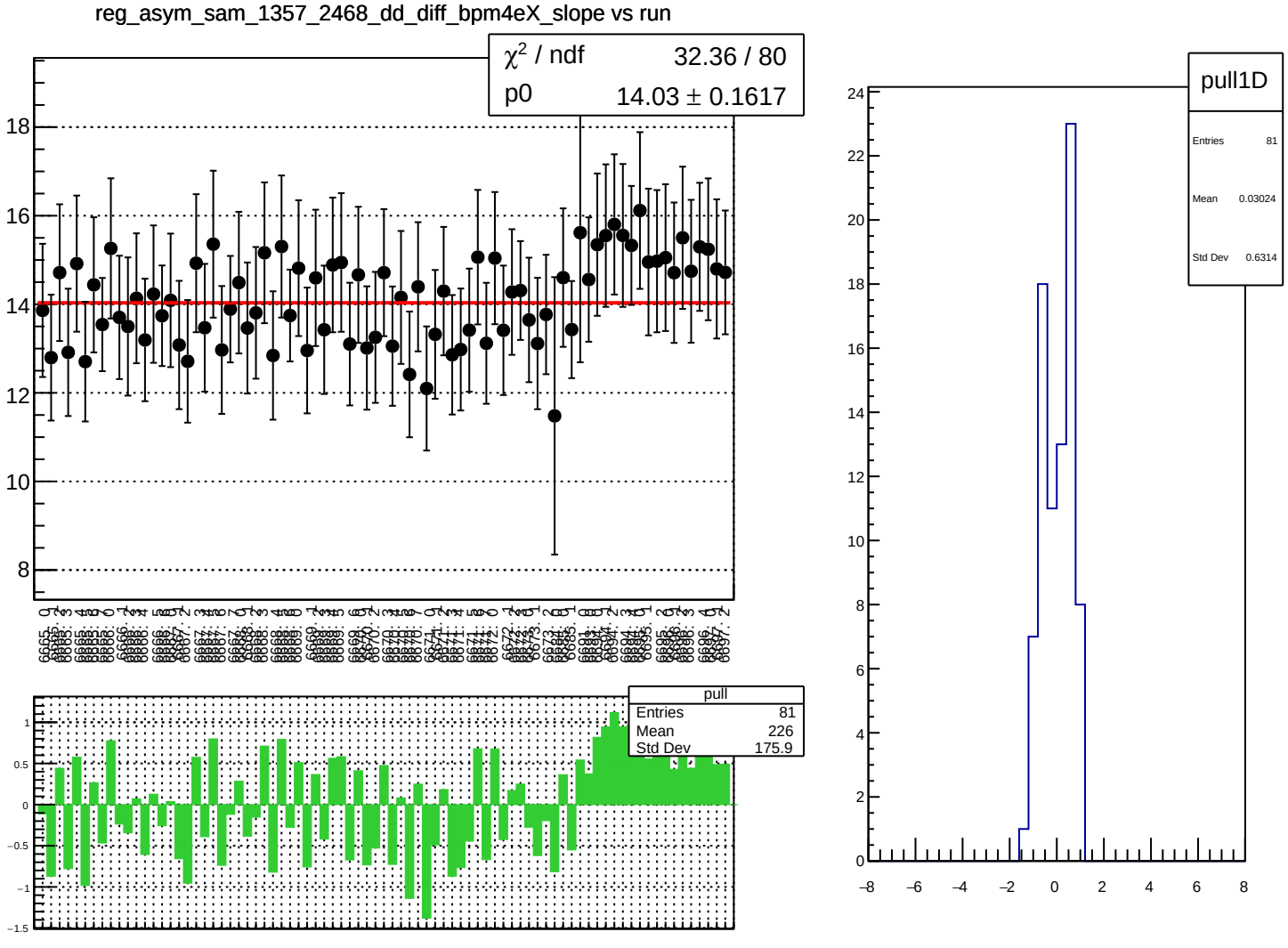

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.43 / 80
p0 −56.64 ± 0.6169
pull
Entries 81
Mean 459
Std Dev 410.5
pull1D
Entries 81
Mean −0.0213
Std Dev 0.7234

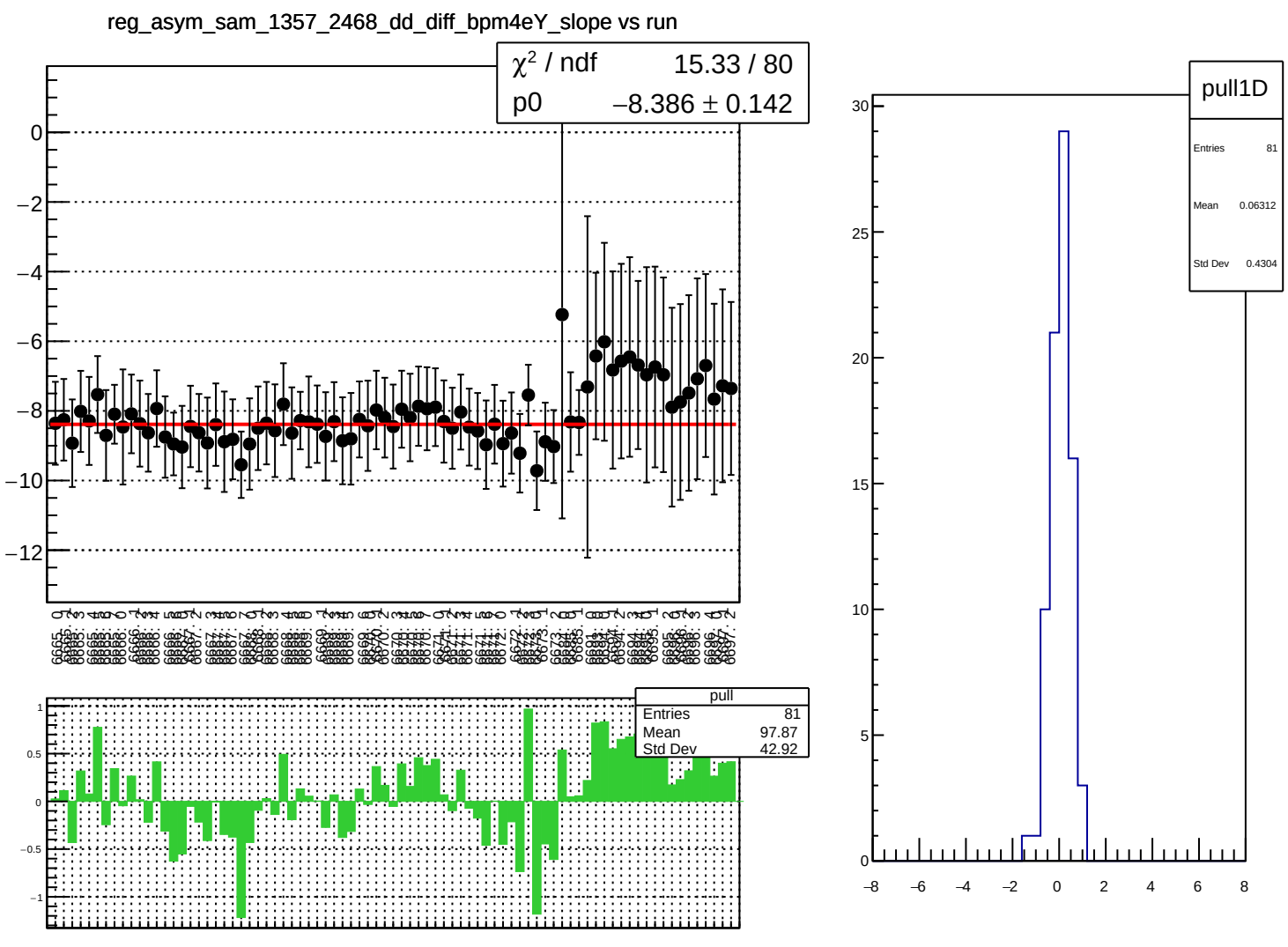

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.2 / 80
p0 45.41 ± 0.5448
pull
Entries 81
Mean 102.5
Std Dev 48.59
pull1D
Entries 81
Mean −0.1253
Std Dev 0.666

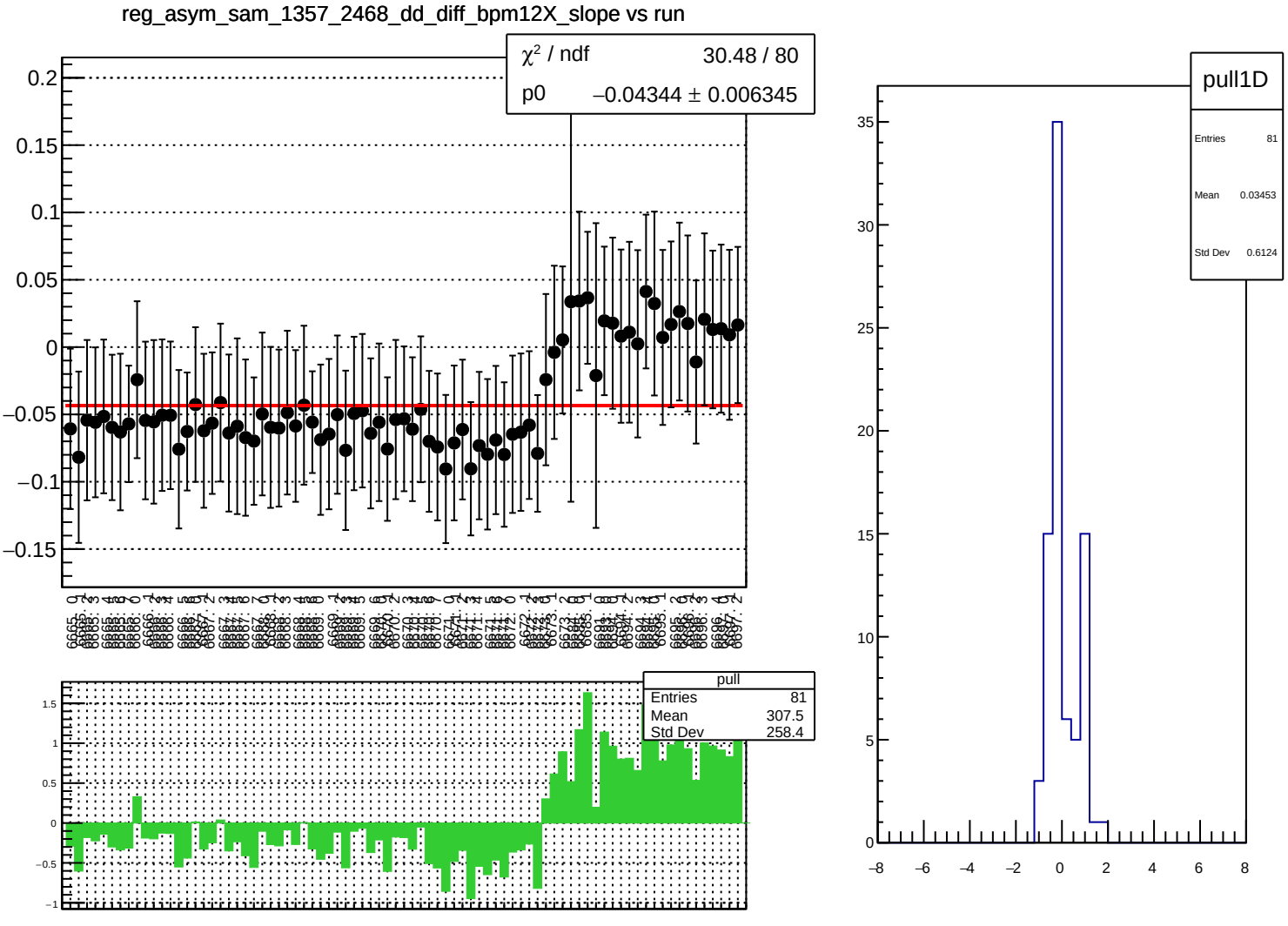

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 78.86 / 80
p0 0.4117 ± 0.02422
pull
Entries 81
Mean 394
Std Dev 345.3
pull1D
Entries 81
Mean −0.04597
Std Dev 0.9856

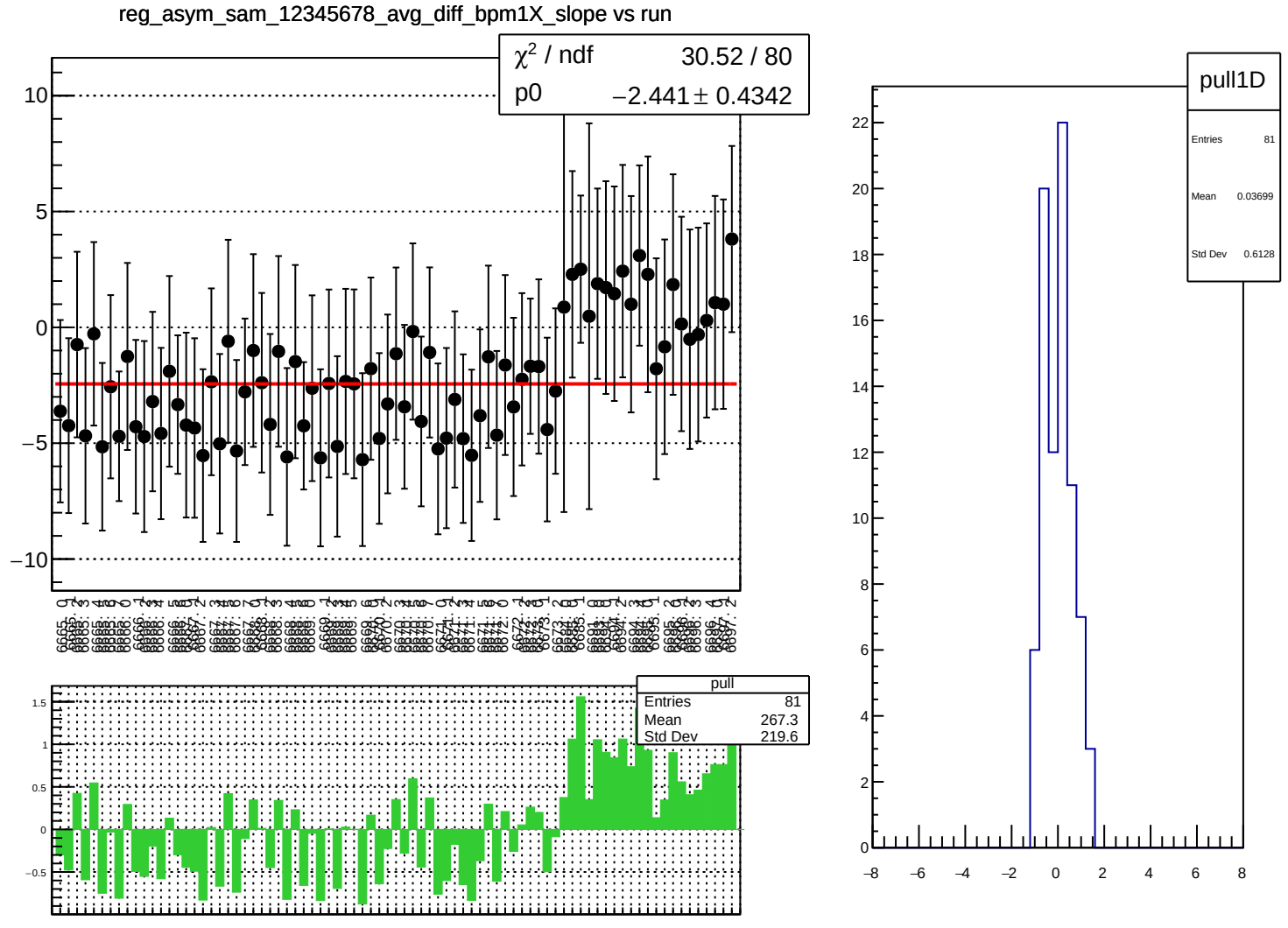

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 17.32 / 80
p0 2.866 ± 0.1522
pull
Entries 81
Mean 129.7
Std Dev 78.07
pull1D
Entries 81
Mean −0.02303
Std Dev 0.4618

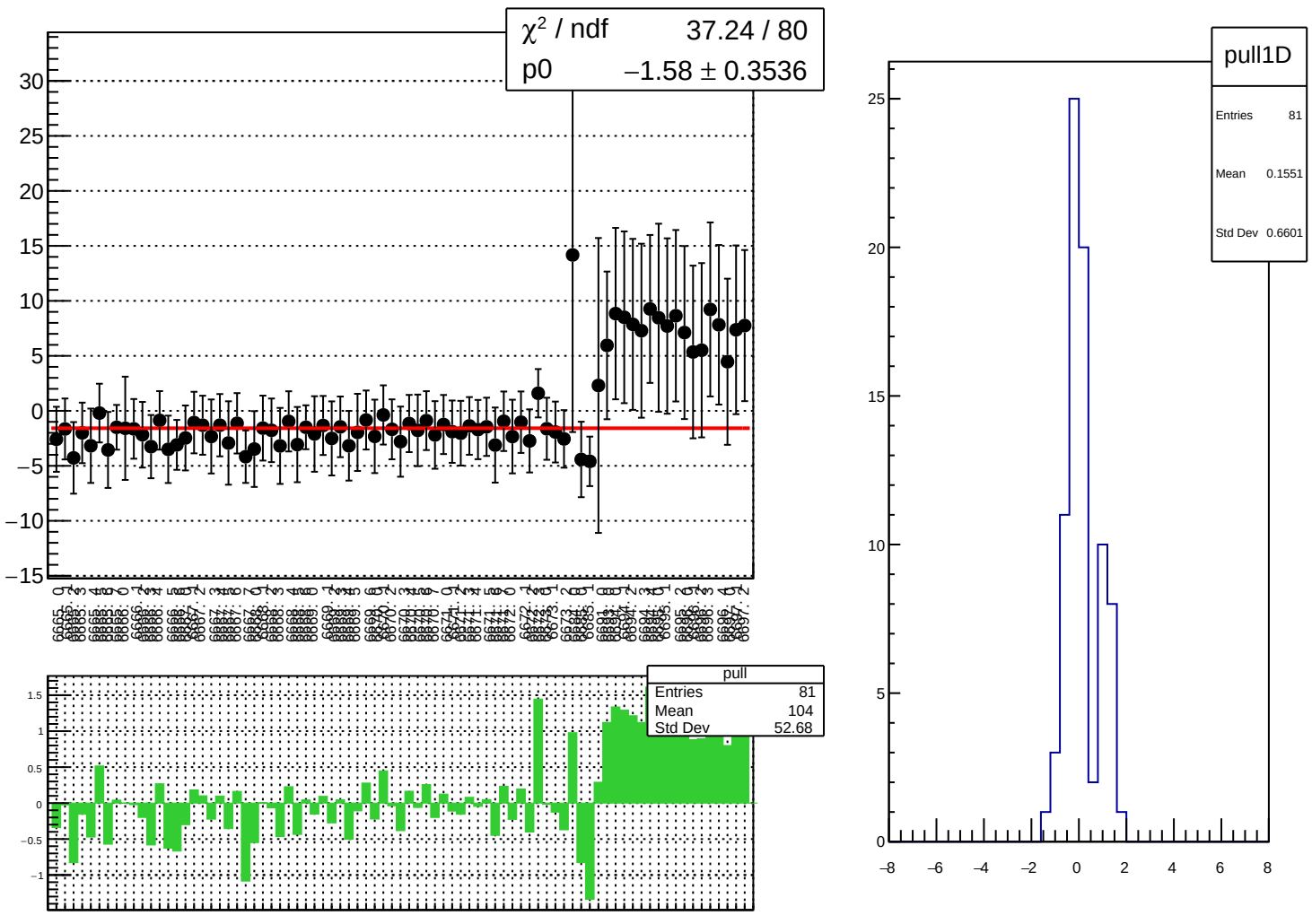

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.748 / 80
p0 1.868 ± 0.123
pull
Entries 81
Mean 114.3
Std Dev 67.61
pull1D
Entries 81
Mean −0.04322
Std Dev 0.3062

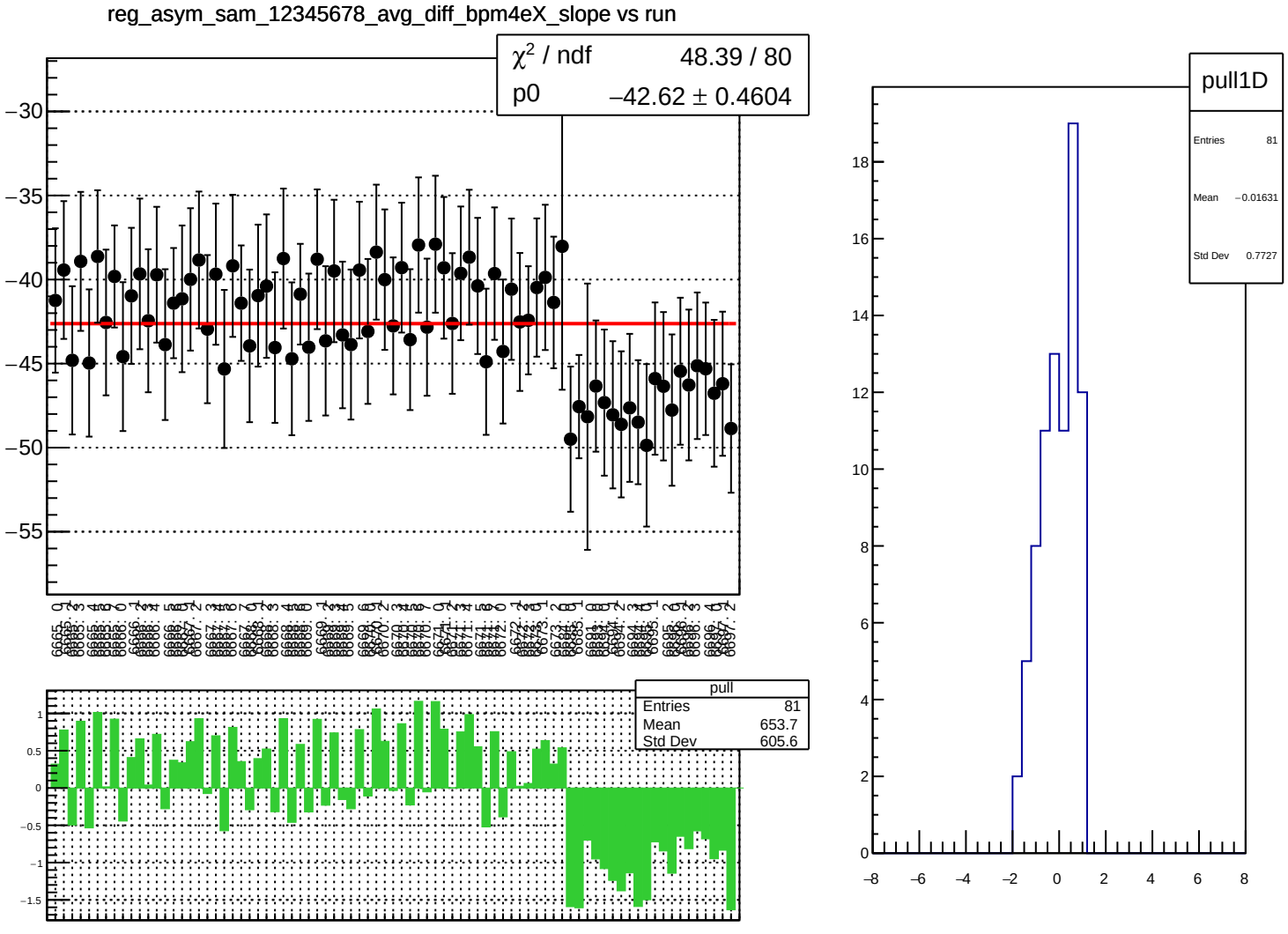

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.36 / 80
p0 14.03 ± 0.1617
pull
Entries 81
Mean 226
Std Dev 175.9
pull1D
Entries 81
Mean 0.03024
Std Dev 0.6314

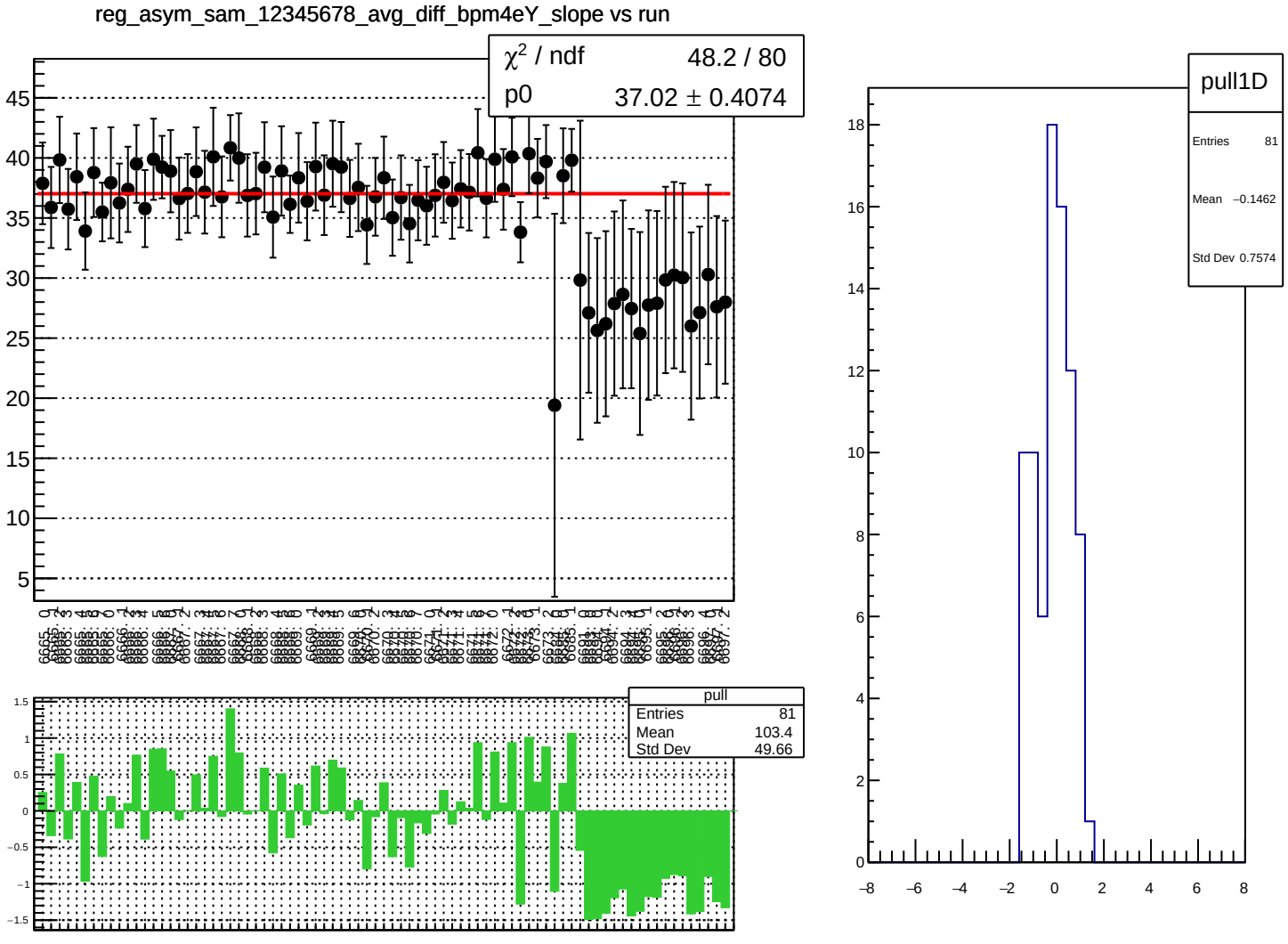

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.33 / 80
p0 −8.386 ± 0.142
pull
Entries 81
Mean 97.87
Std Dev 42.92
pull1D
Entries 81
Mean 0.06312
Std Dev 0.4304

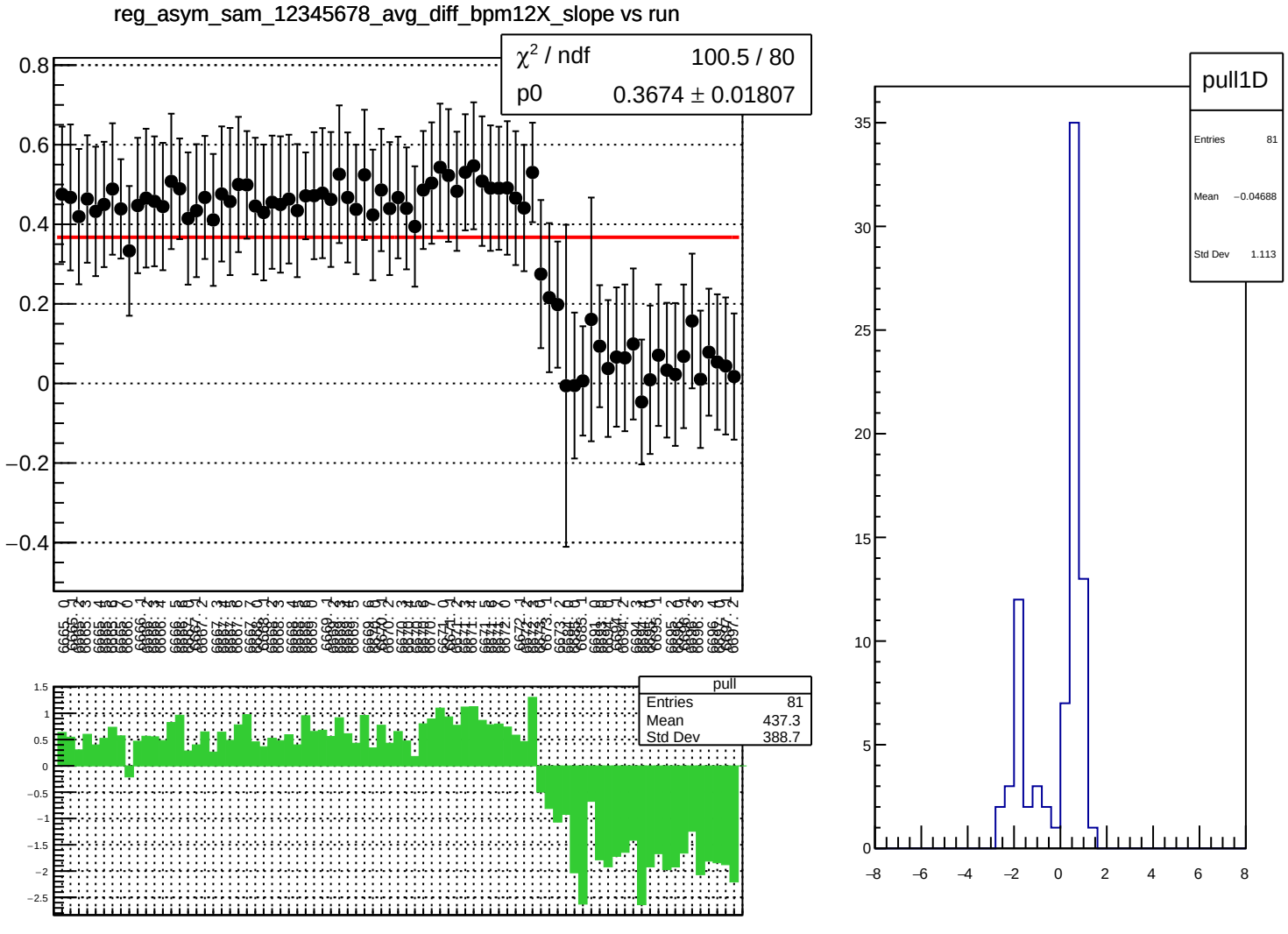

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 30.48 / 80
p0 −0.04344 ± 0.006345
pull
Entries 81
Mean 307.5
Std Dev 258.4
pull1D
Entries 81
Mean 0.03453
Std Dev 0.6124

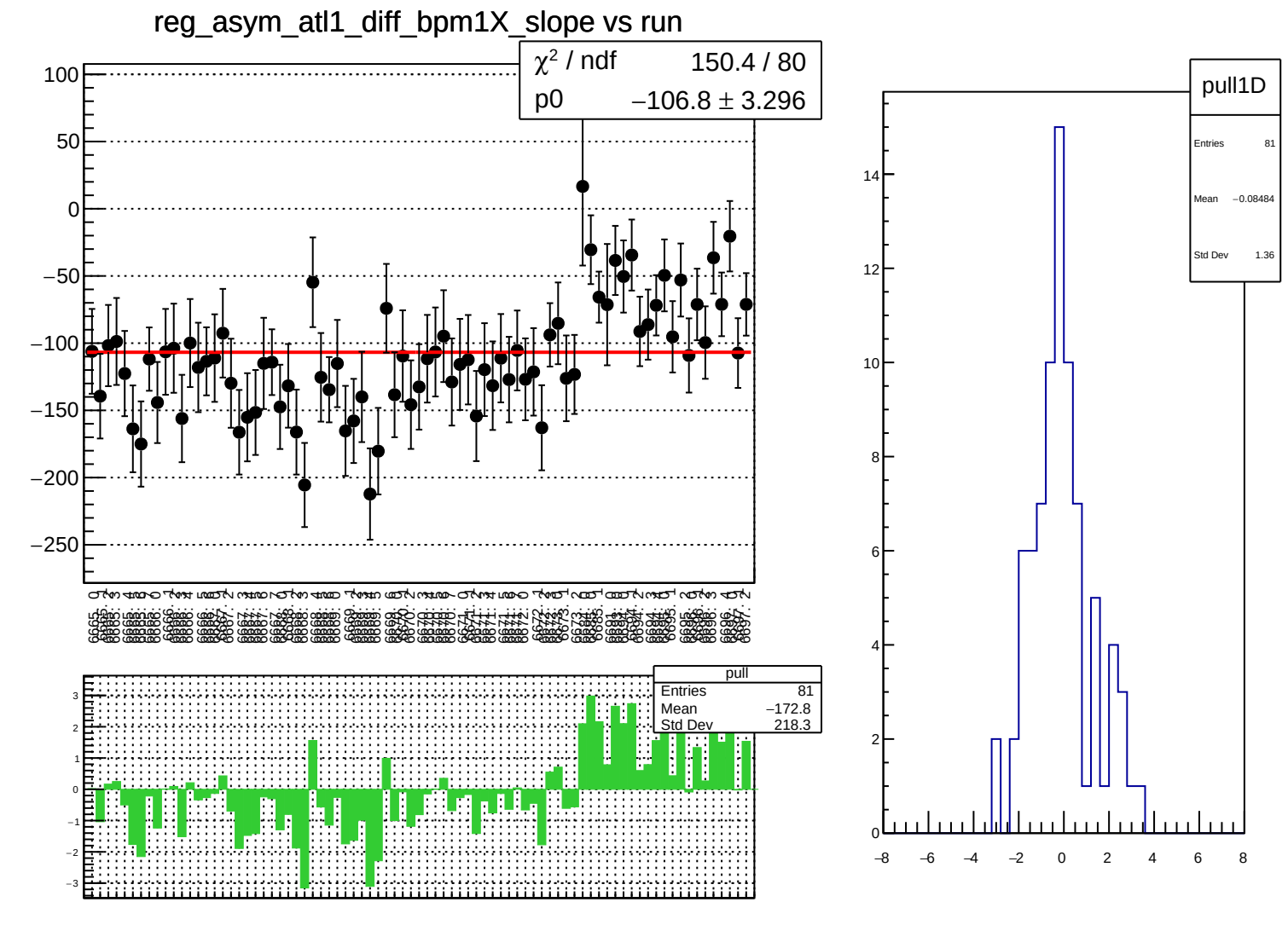

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 30.52 / 80
p0 −2.441 ± 0.4342
pull
Entries 81
Mean 267.3
Std Dev 219.6
pull1D
Entries 81
Mean 0.03699
Std Dev 0.6128

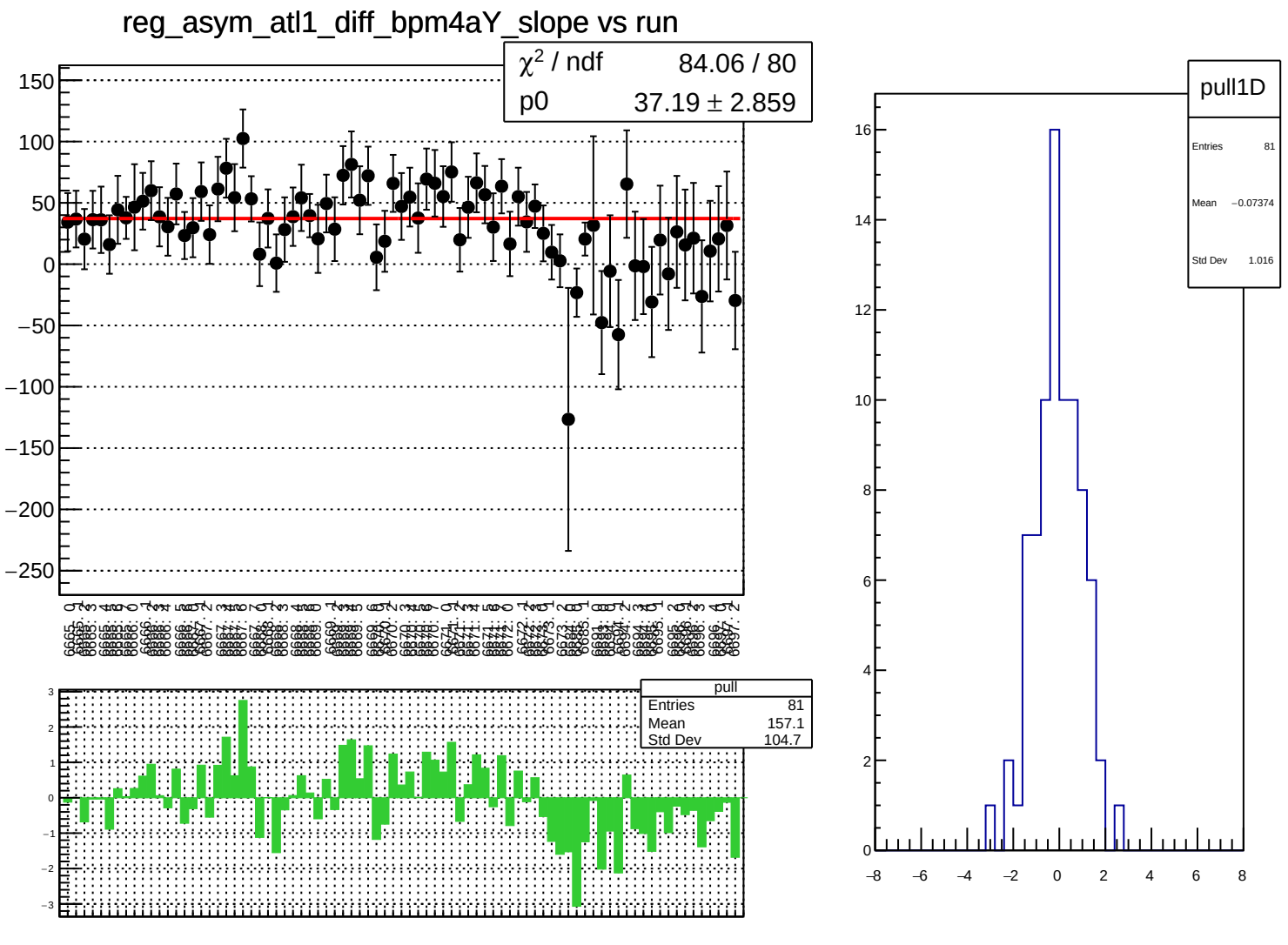

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.24 / 80
p0 −1.58 ± 0.3536
pull
Entries 81
Mean 104
Std Dev 52.68
pull1D
Entries 81
Mean 0.1551
Std Dev 0.6601

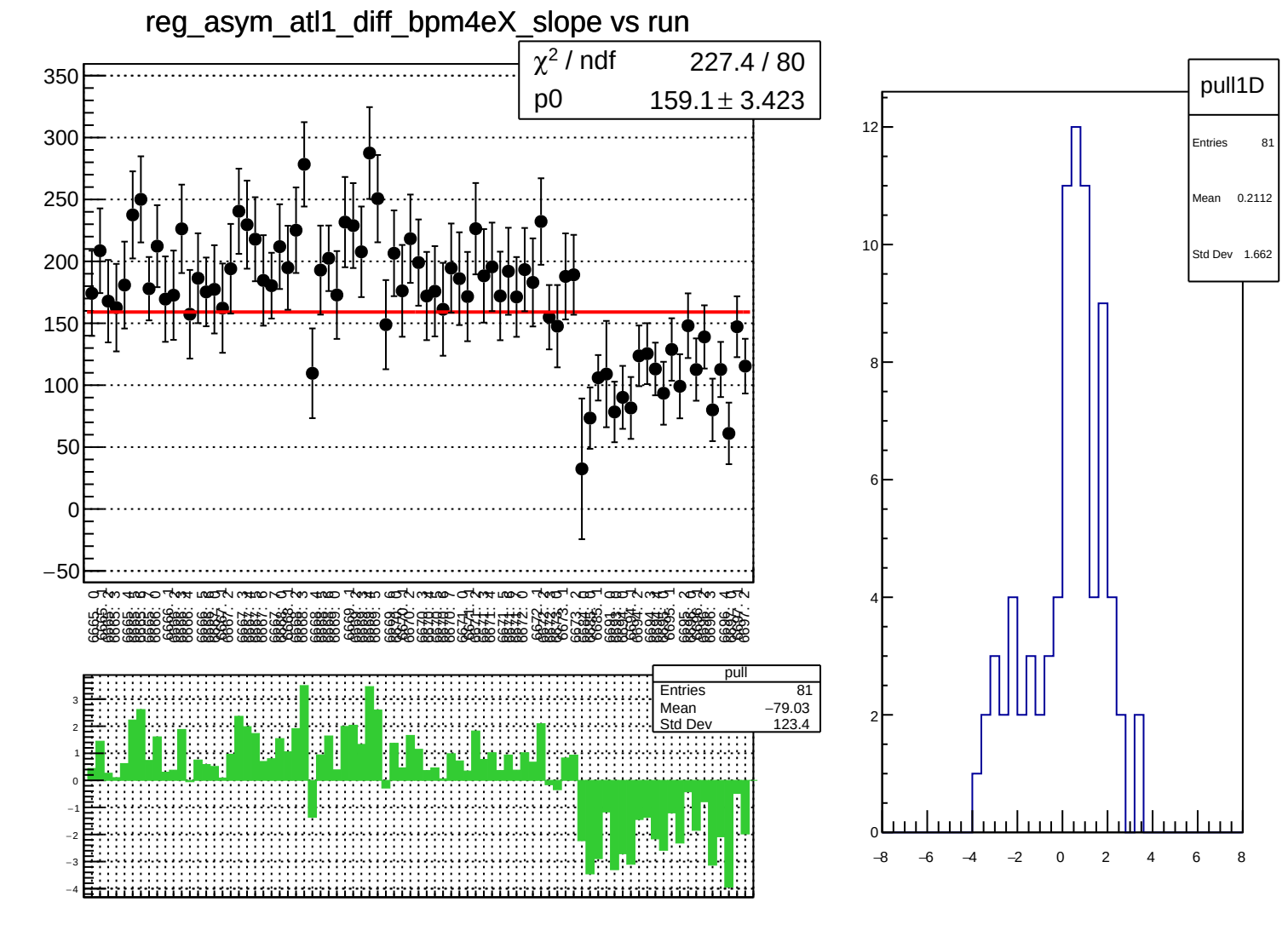

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.39 / 80
p0 −42.62 ± 0.4604
pull
Entries 81
Mean 653.7
Std Dev 605.6
pull1D
Entries 81
Mean −0.01631
Std Dev 0.7727

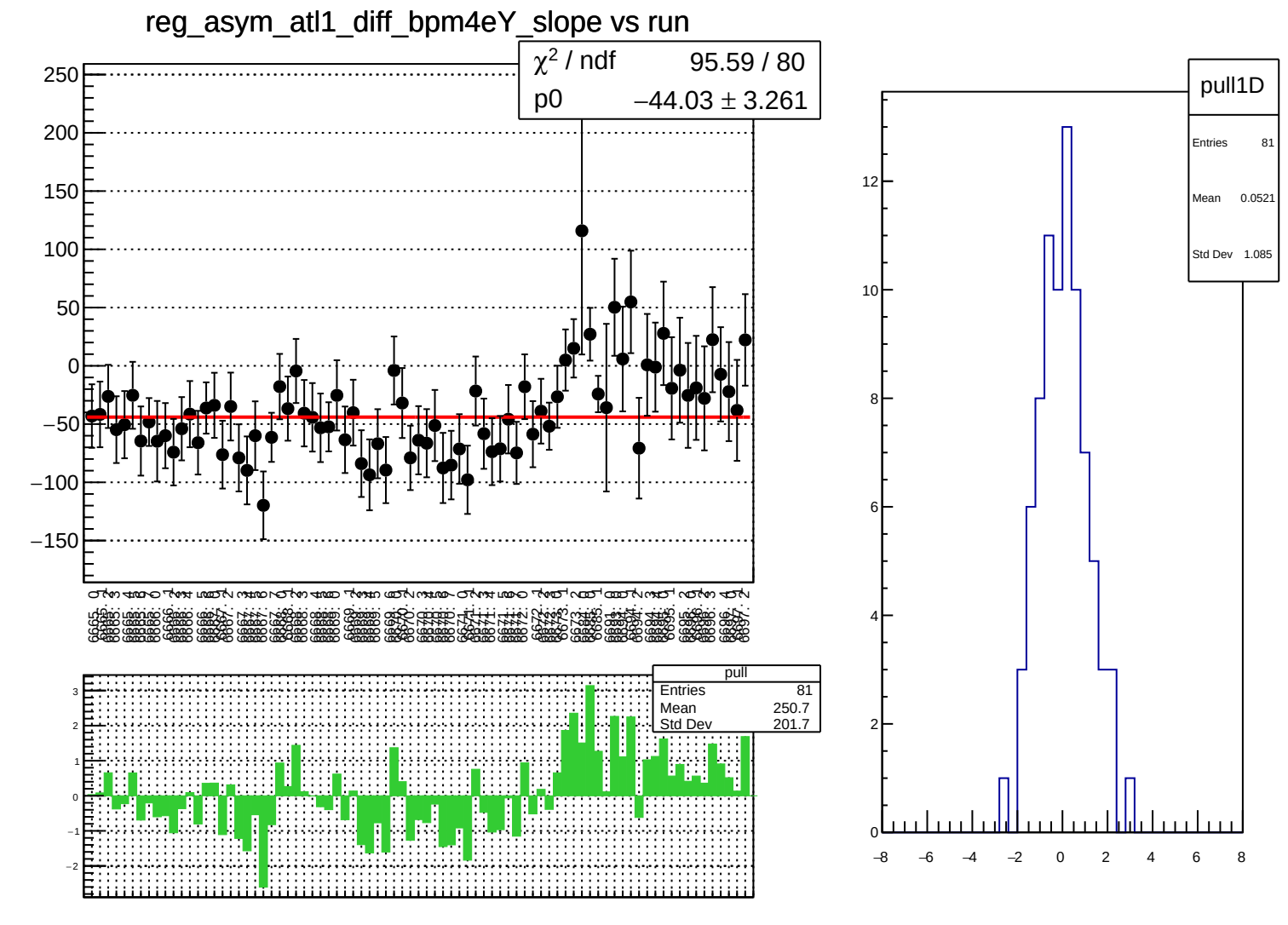

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.2 / 80
p0 37.02 ± 0.4074
pull
Entries 81
Mean 103.4
Std Dev 49.66
pull1D
Entries 81
Mean −0.1462
Std Dev 0.7574

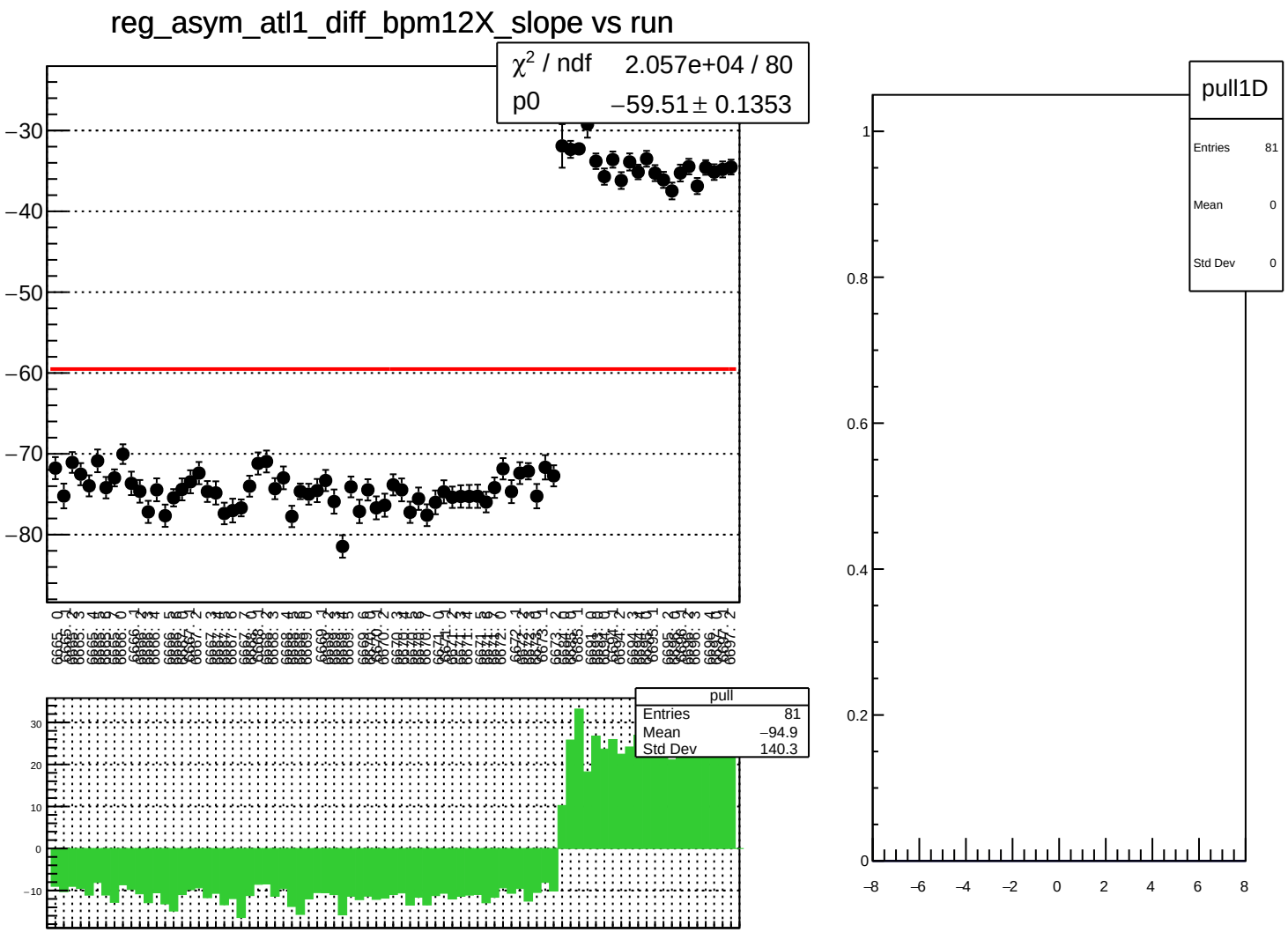

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 100.5 / 80
p0 0.3674 ± 0.01807
pull
Entries 81
Mean 437.3
Std Dev 388.7
pull1D
Entries 81
Mean −0.04688
Std Dev 1.113

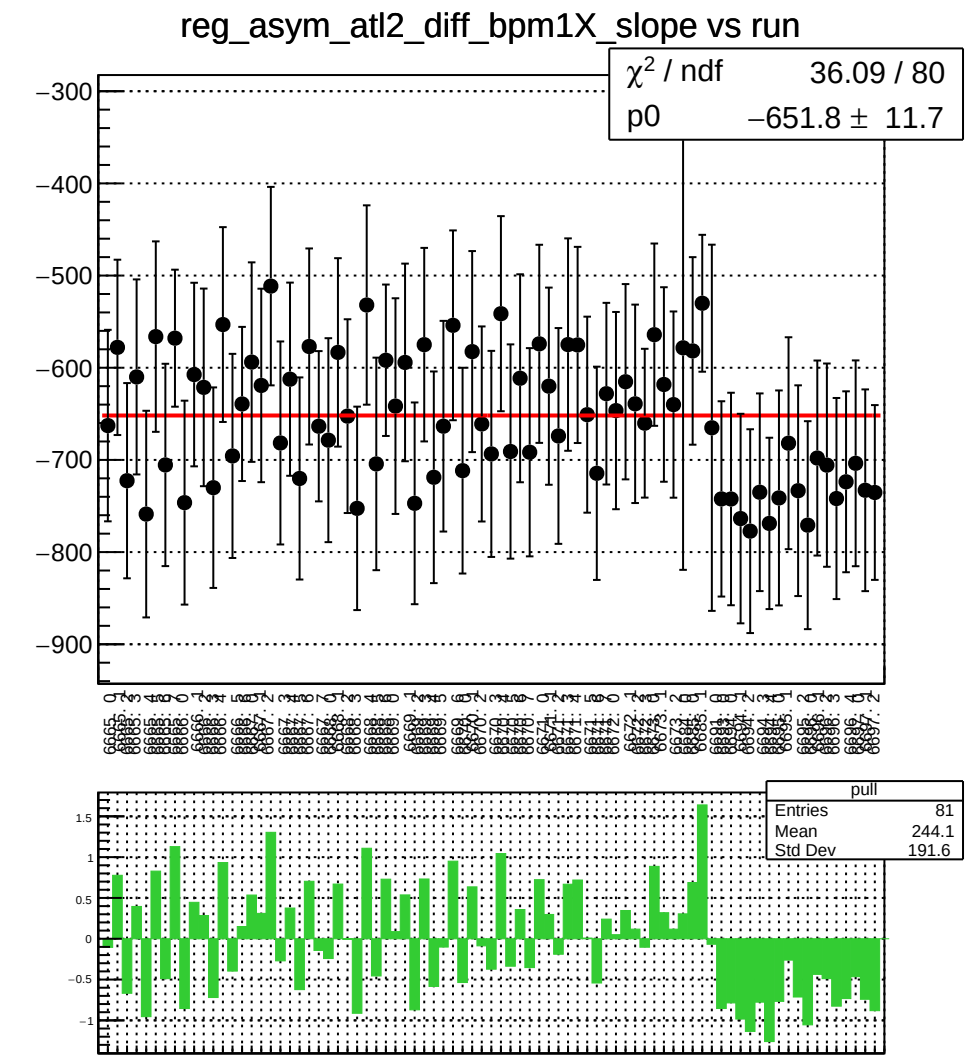

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 150.4 / 80
p0 −106.8 ± 3.296
pull
Entries 81
Mean −172.8
Std Dev 218.3
pull1D
Entries 81
Mean −0.08484
Std Dev 1.36

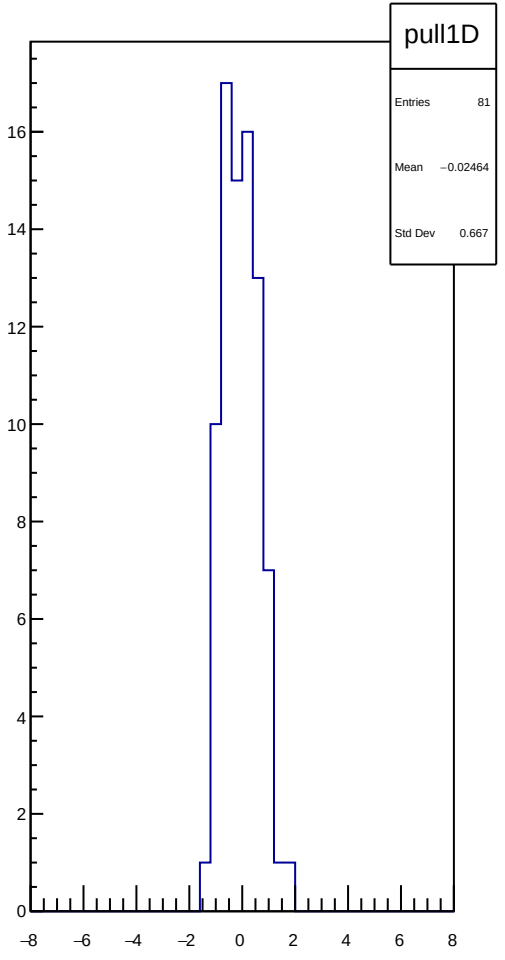

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 84.06 / 80
p0 37.19 ± 2.859
pull
Entries 81
Mean 157.1
Std Dev 104.7
pull1D
Entries 81
Mean −0.07374
Std Dev 1.016

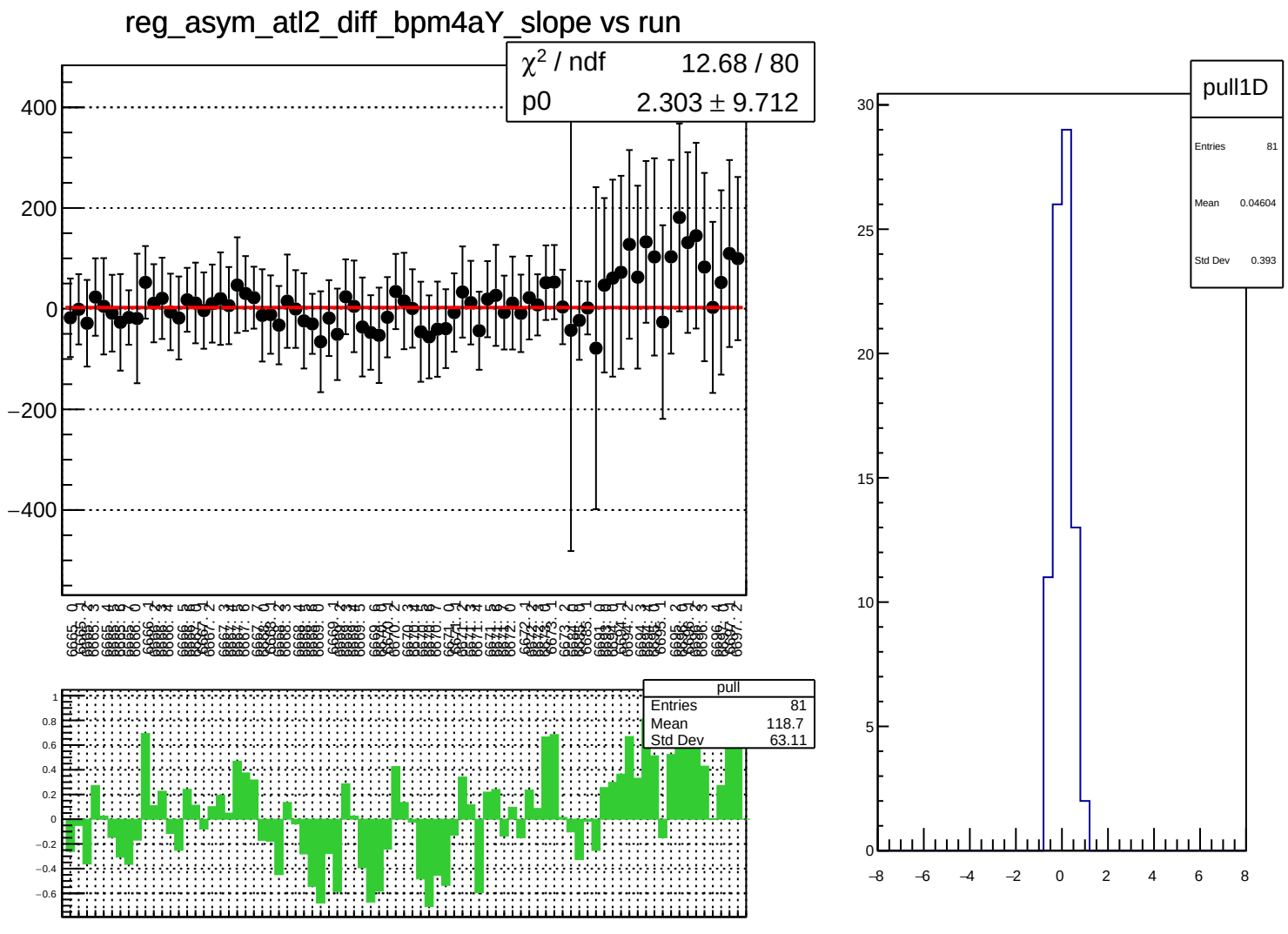

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 227.4 / 80
p0 159.1 ± 3.423
pull
Entries 81
Mean −79.03
Std Dev 123.4
pull1D
Entries 81
Mean 0.2112
Std Dev 1.662

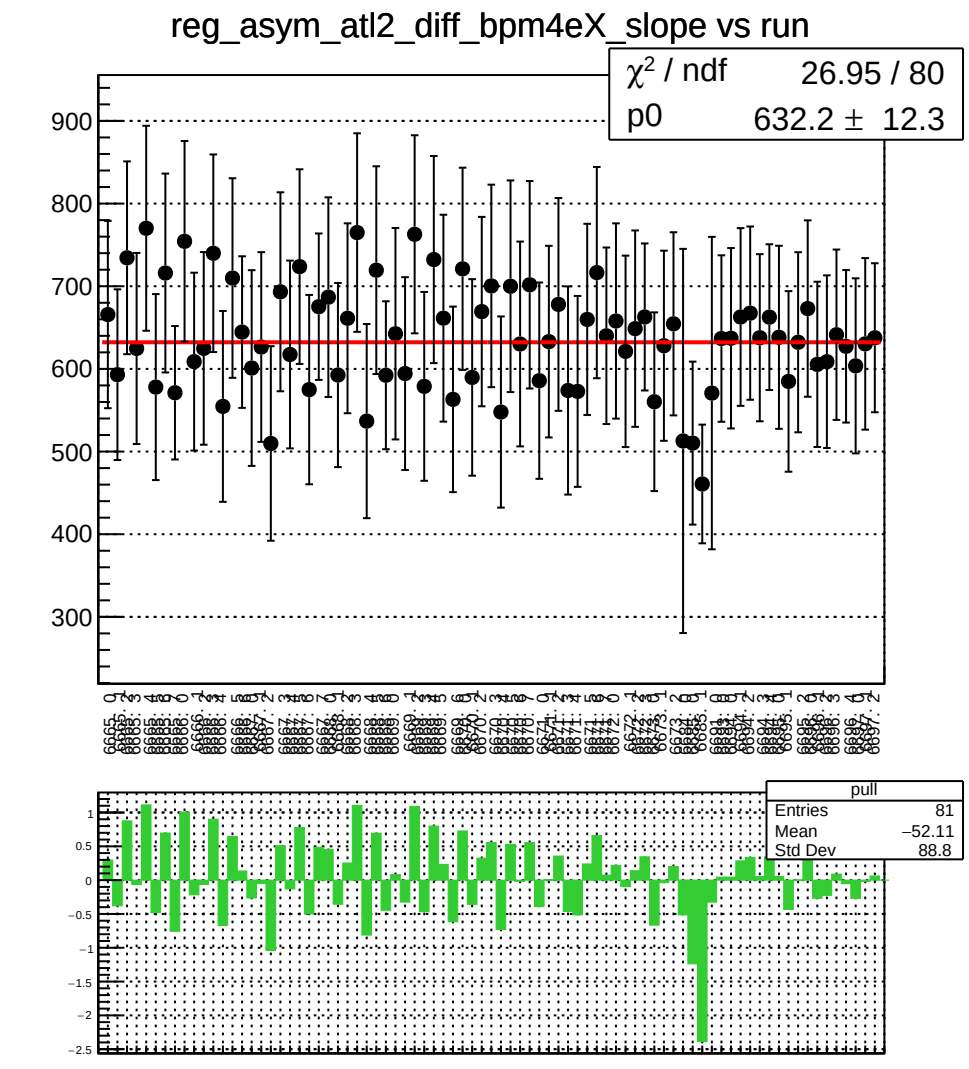

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 95.59 / 80
p0 −44.03 ± 3.261
pull
Entries 81
Mean 250.7
Std Dev 201.7
pull1D
Entries 81
Mean 0.0521
Std Dev 1.085

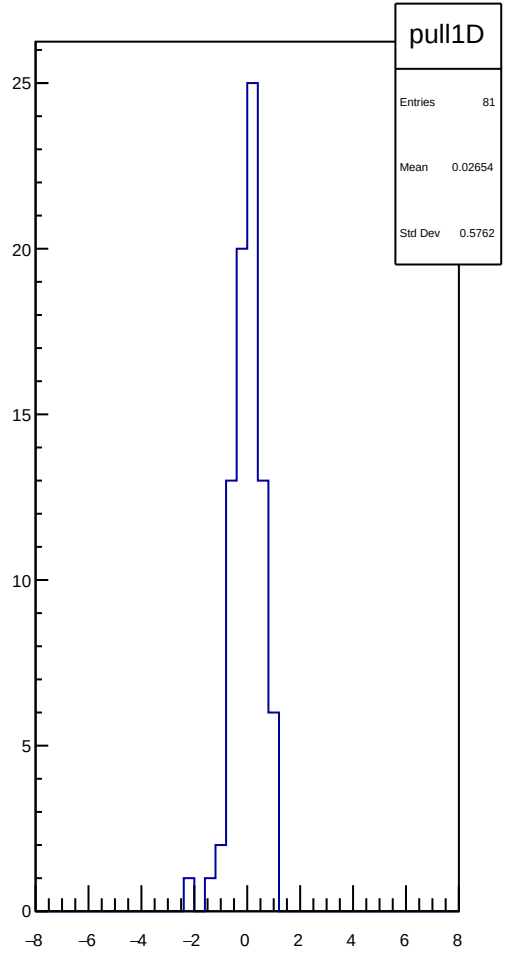

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 2.057e+04 / 80
p0 −59.51 ± 0.1353
−30
−40
−50
−60
−70
−80
pull
Entries 81
Mean −94.9
Std Dev 140.3
30
20
10
0
−10
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

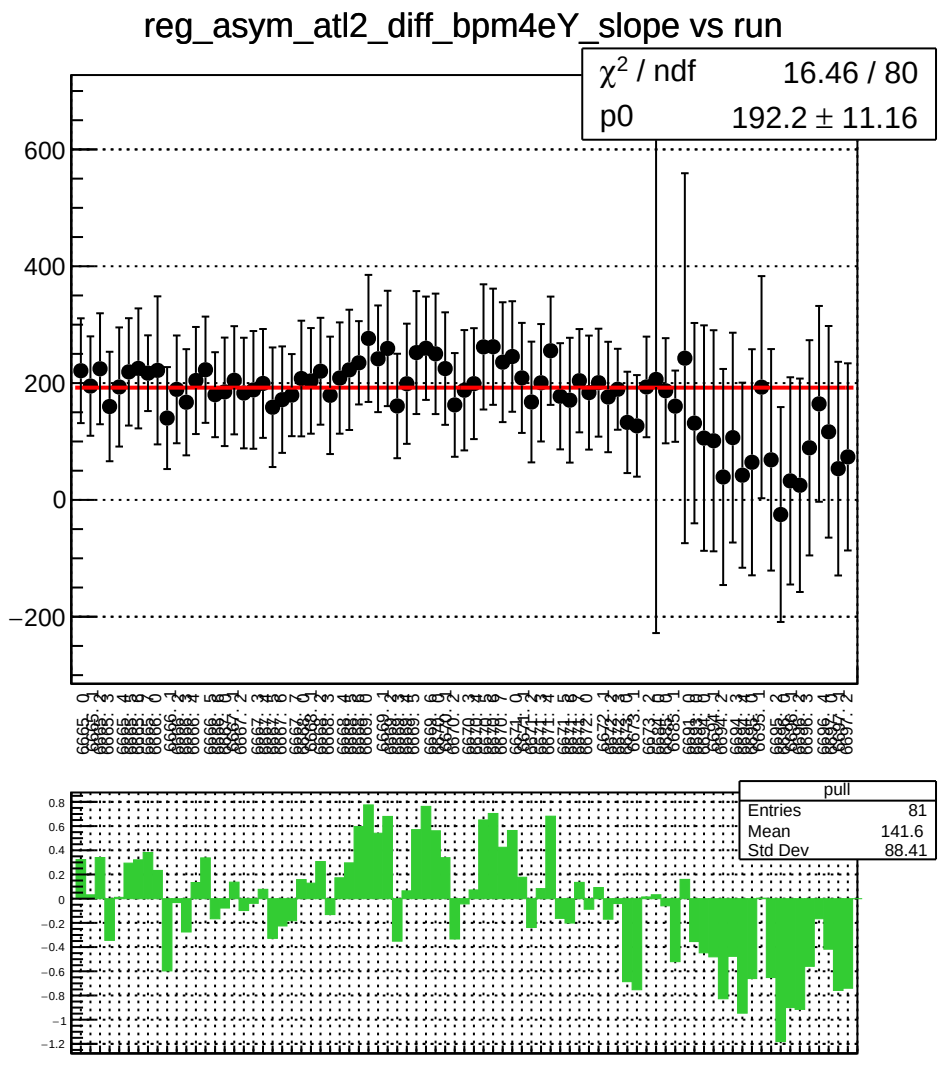

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 36.09 / 80
p0 −651.8 ± 11.7
pull
Entries 81
Mean 244.1
Std Dev 191.6

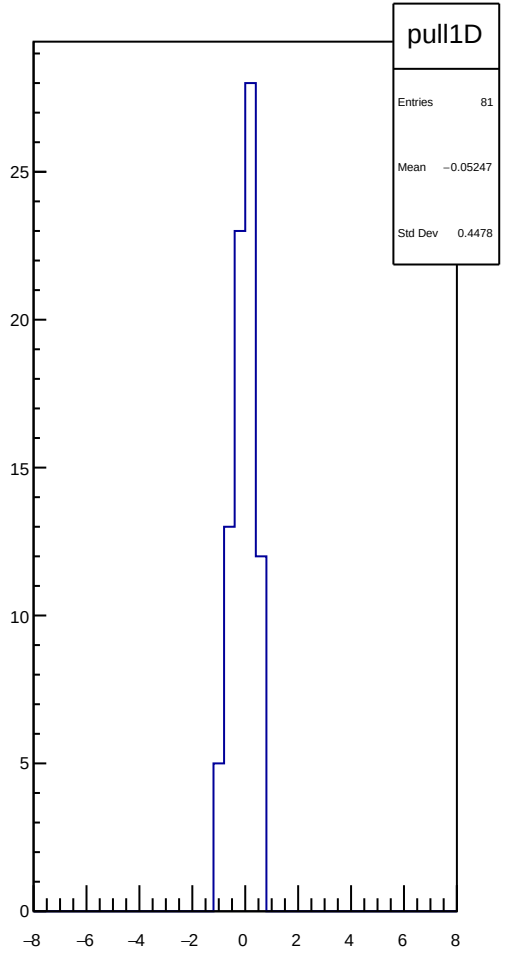

pull1D
Entries 81
Mean −0.02464
Std Dev 0.667

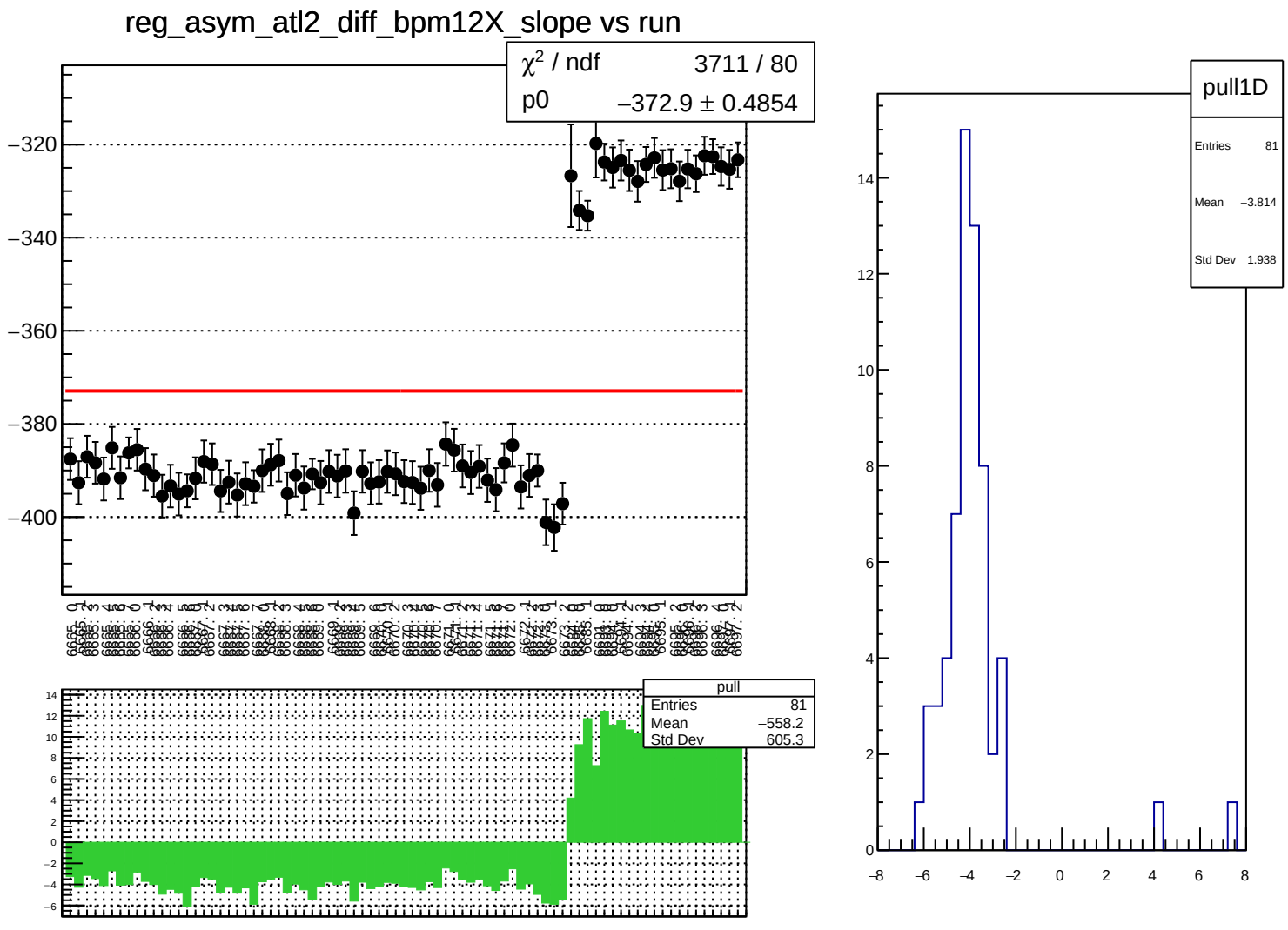

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 12.68 / 80
p0 2.303 ± 9.712
400
200
0
−200
−400
pull
Entries 81
Mean 118.7
Std Dev 63.11
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 81
Mean 0.04604
Std Dev 0.393
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

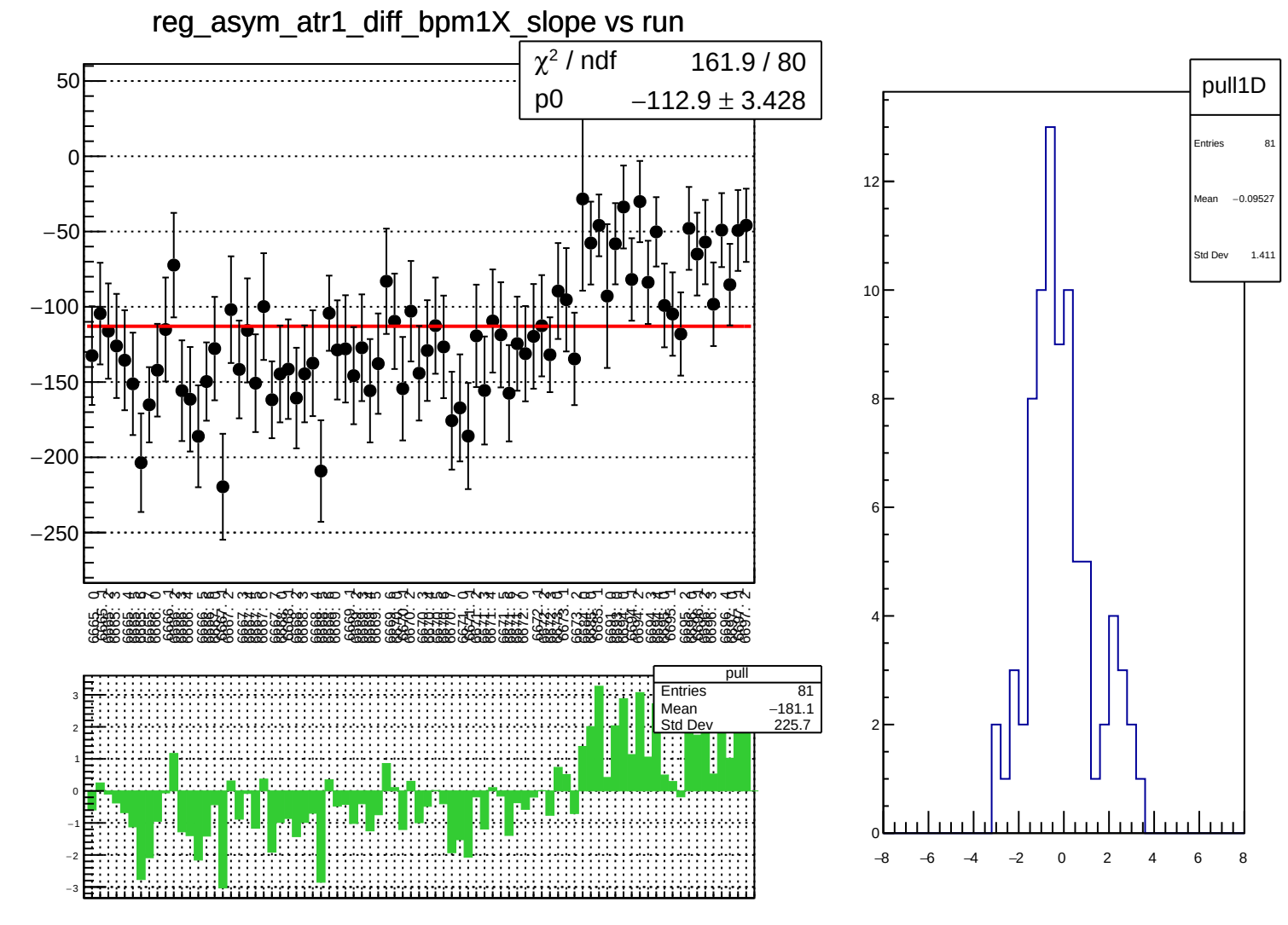

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 26.95 / 80
p0 632.2 ± 12.3
900
800
700
600
500
400
300
pull
Entries 81
Mean −52.11
Std Dev 88.8
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

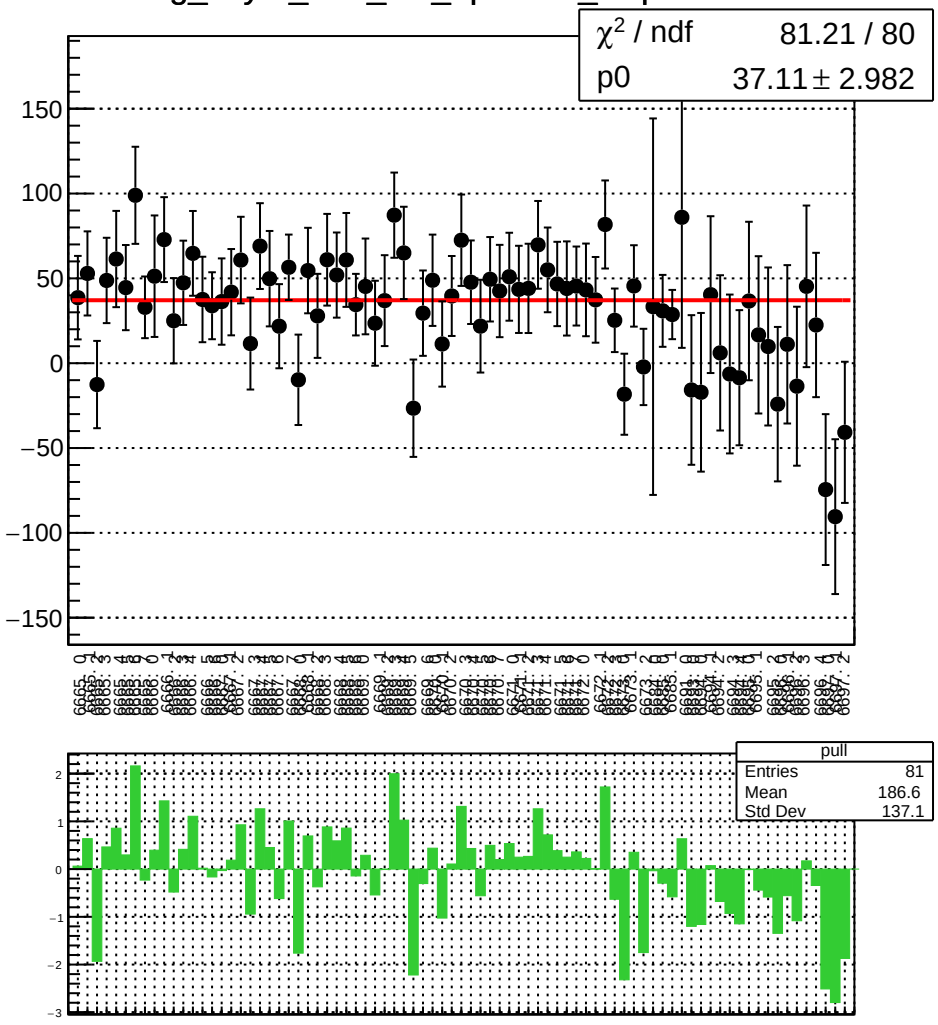

pull1D
Entries 81
Mean 0.02654
Std Dev 0.5762
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

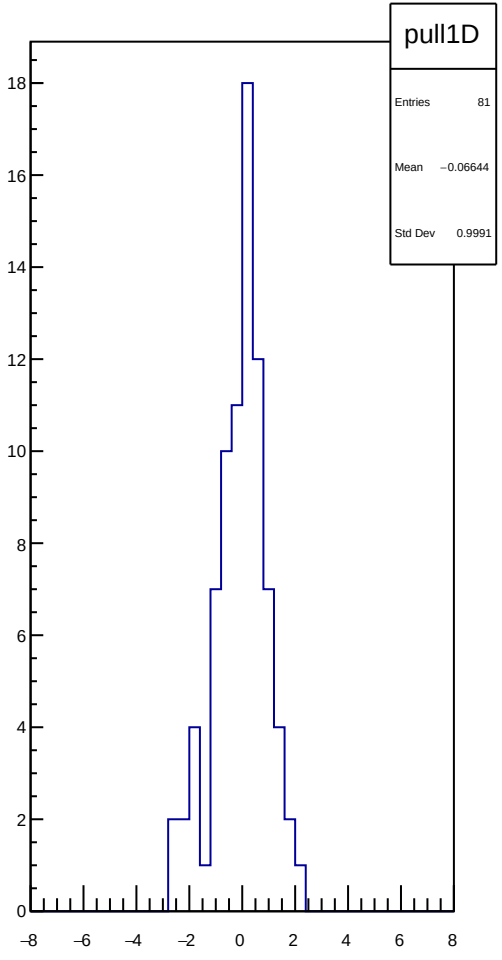

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 16.46 / 80
p0 192.2 ± 11.16
600
400
200
0
−200
pull
Entries 81
Mean 141.6
Std Dev 88.41
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

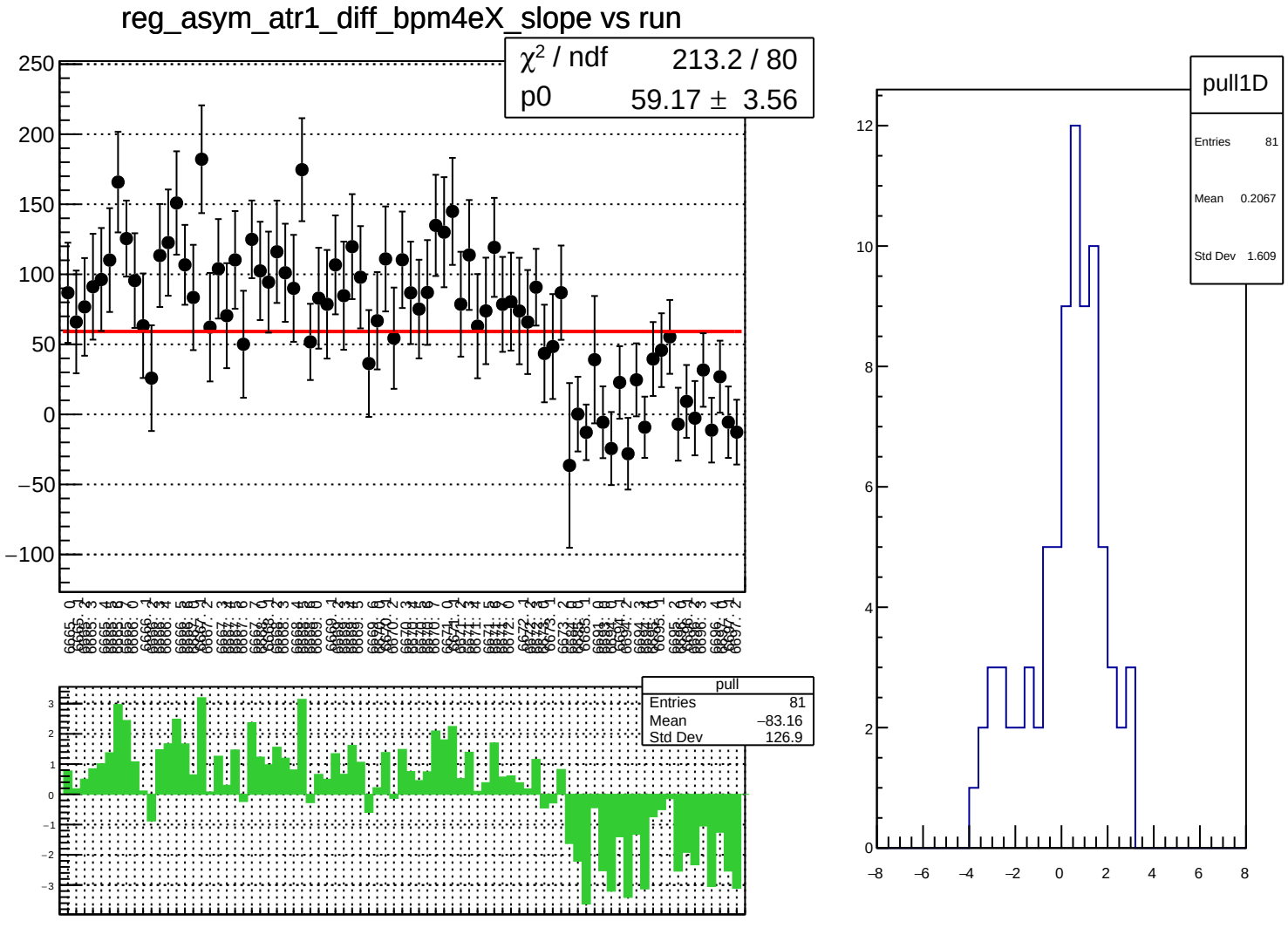

pull1D
Entries 81
Mean −0.05247
Std Dev 0.4478
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

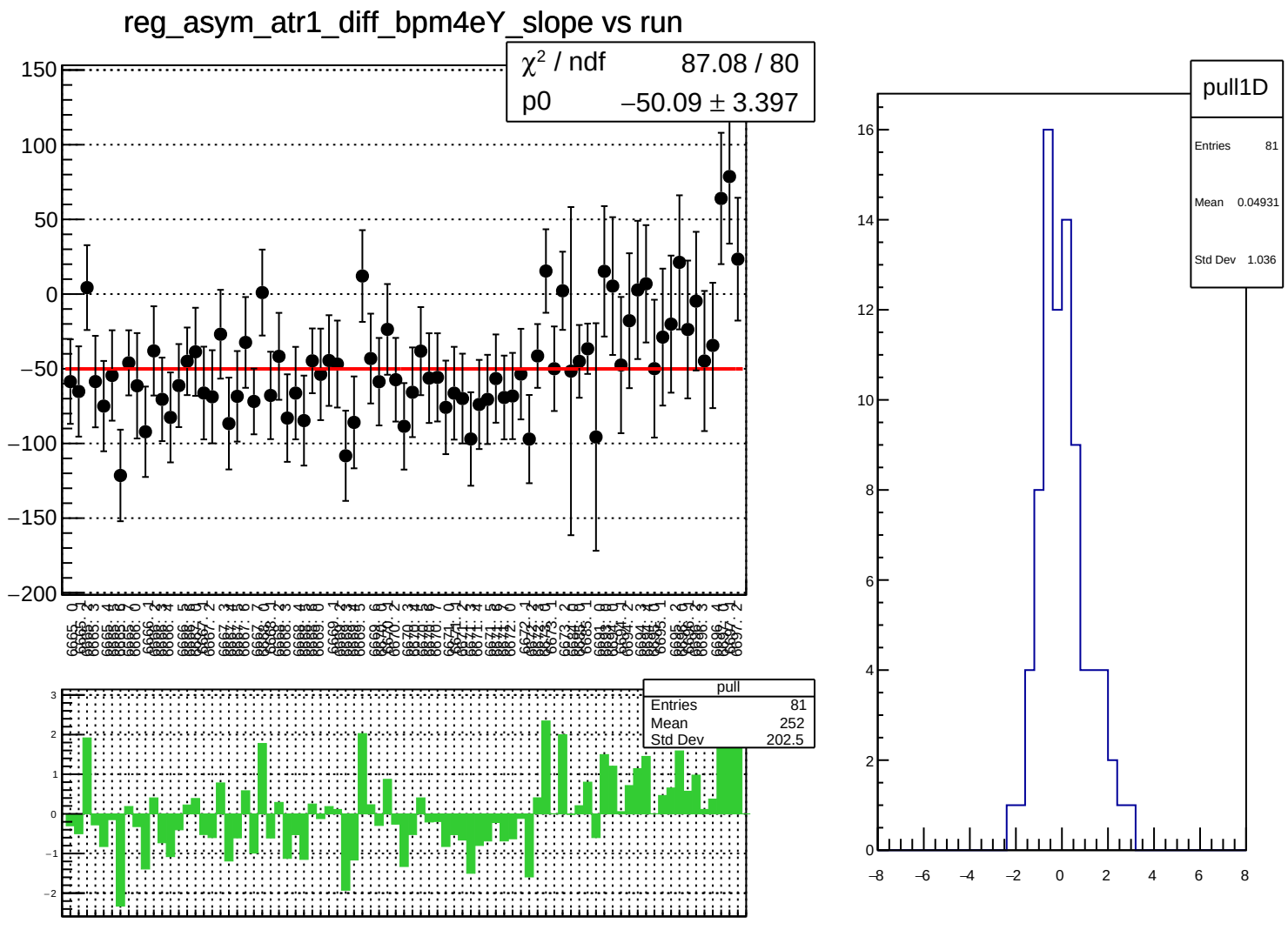

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 3711 / 80
p0 −372.9 ± 0.4854
−320
−340
−360
−380
−400
pull
Entries 81
Mean −558.2
Std Dev 605.3
pull1D
Entries 81
Mean −3.814
Std Dev 1.938

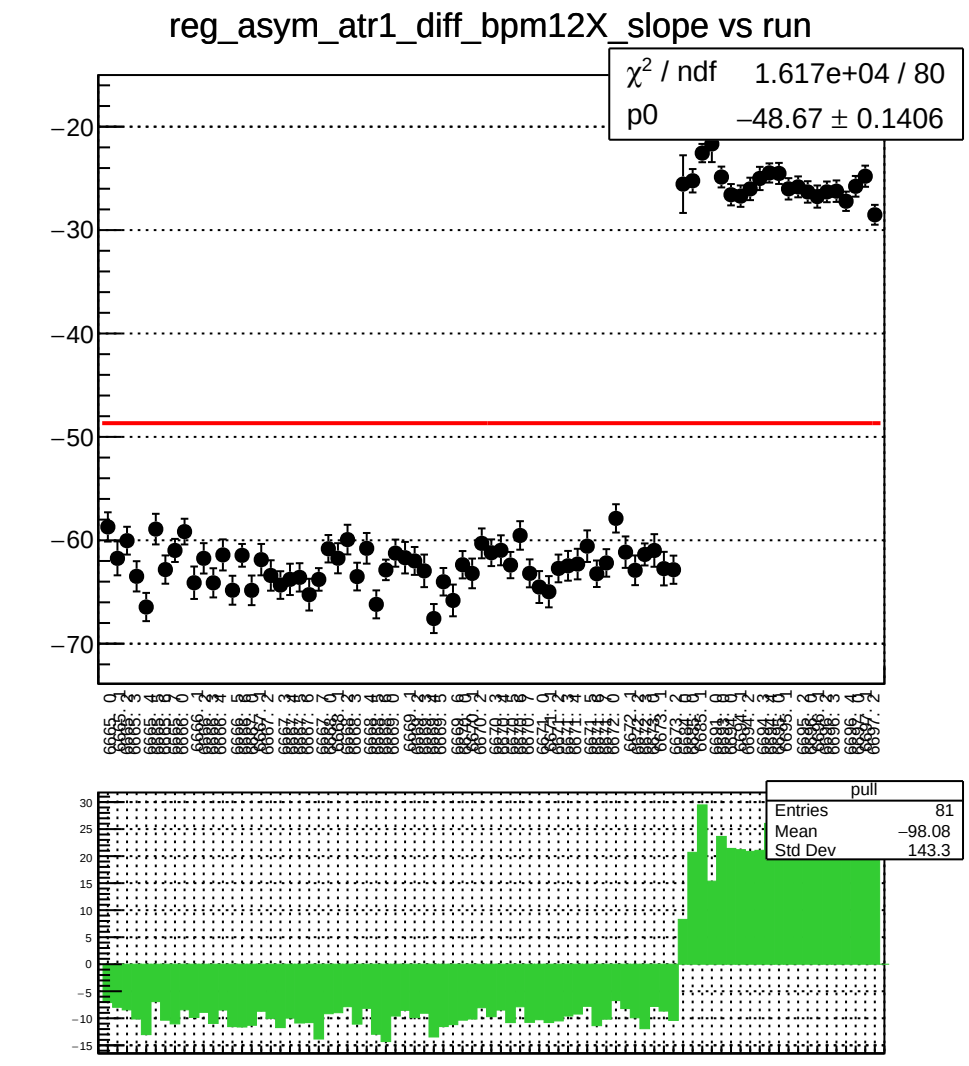

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 161.9 / 80
p0 −112.9 ± 3.428
pull
Entries 81
Mean −181.1
Std Dev 225.7
pull1D
Entries 81
Mean −0.09527
Std Dev 1.411

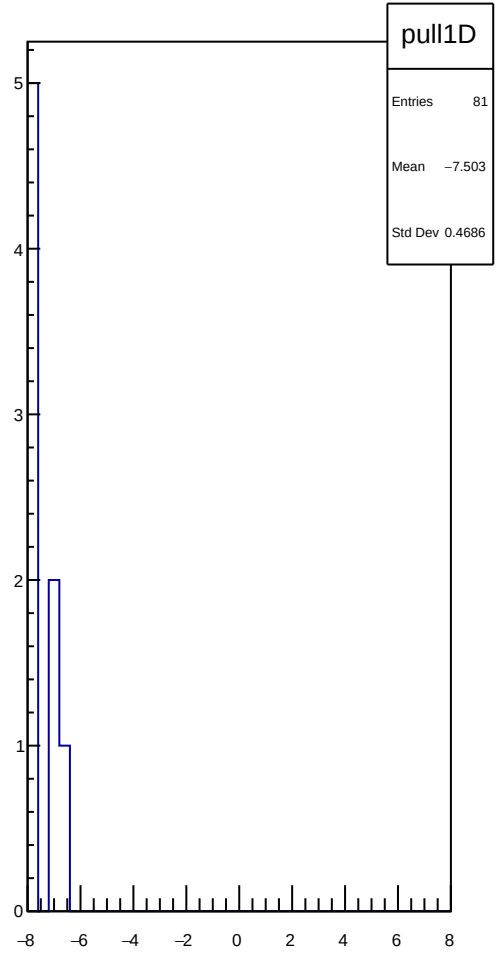

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 81.21 / 80
p0 37.11 ± 2.982
pull
Entries 81
Mean 186.6
Std Dev 137.1

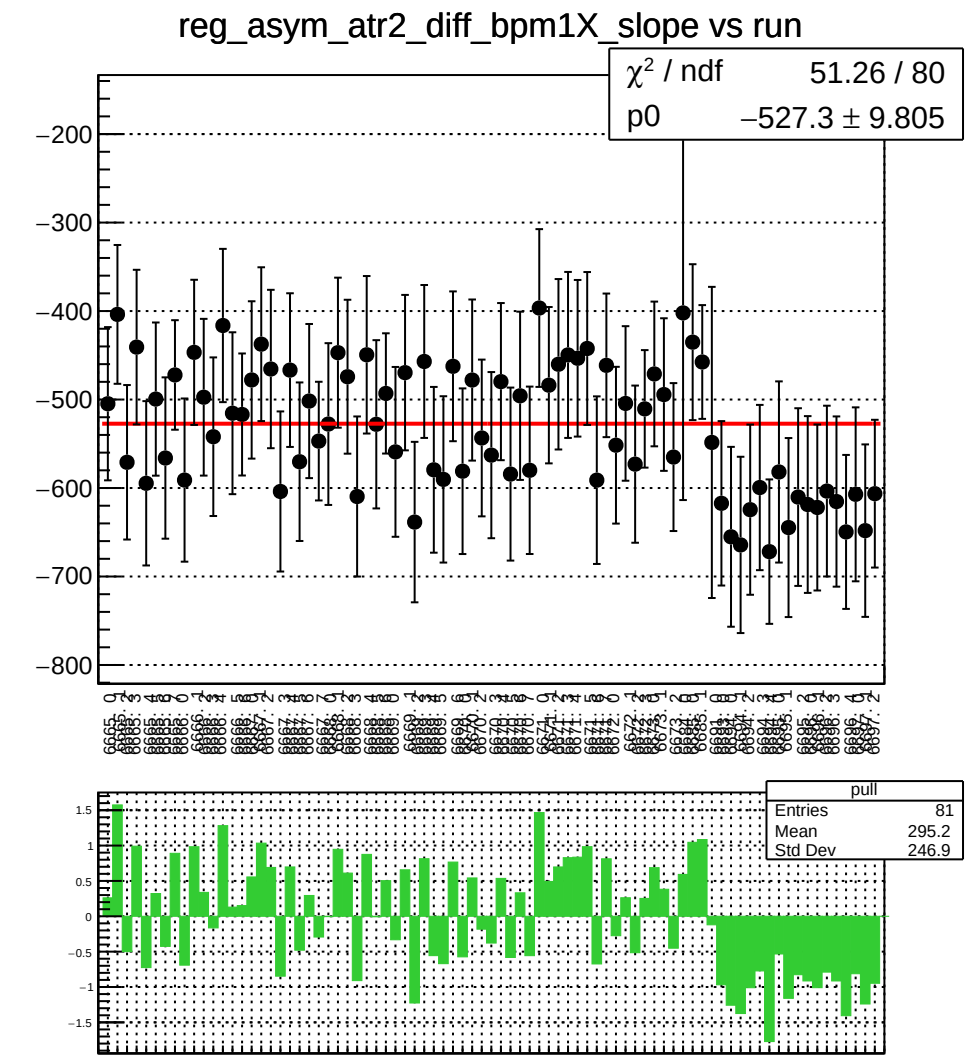

pull1D
Entries 81
Mean −0.06644
Std Dev 0.9991

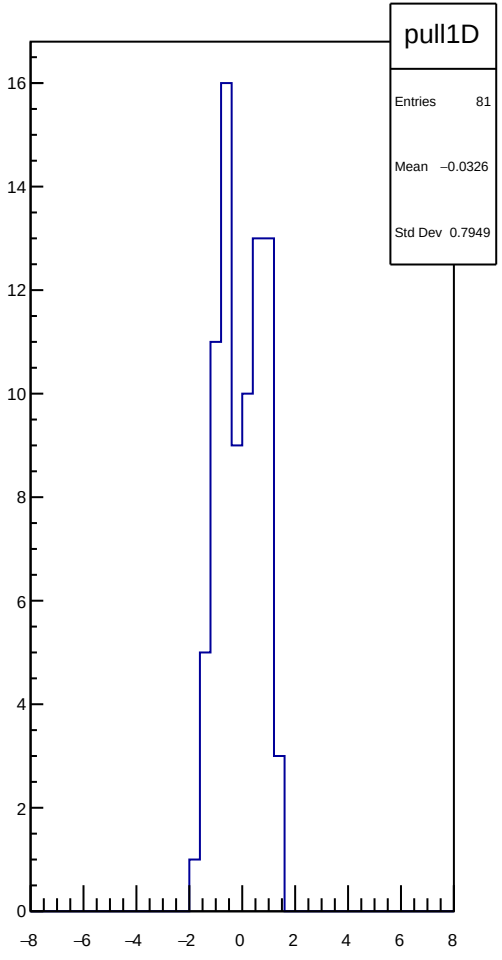

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 213.2 / 80
p0 59.17 ± 3.56
pull
Entries 81
Mean −83.16
Std Dev 126.9
pull1D
Entries 81
Mean 0.2067
Std Dev 1.609

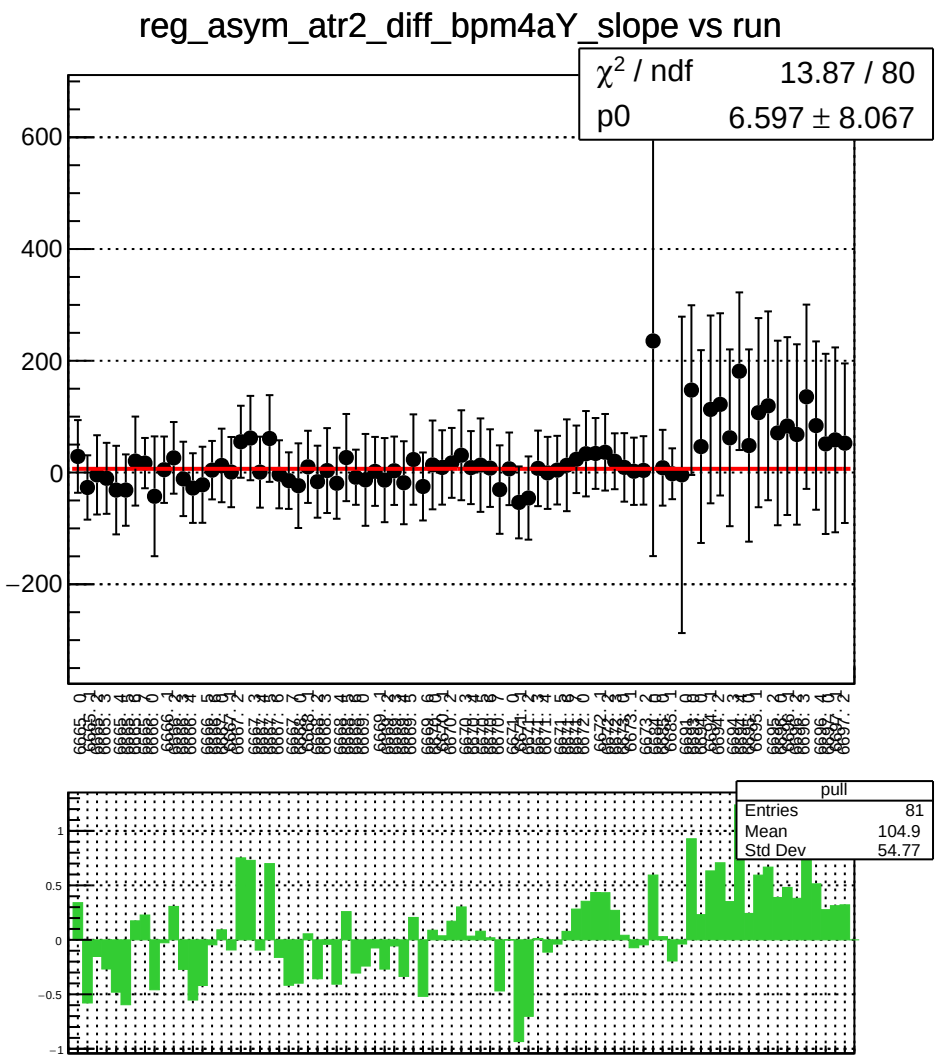

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 87.08 / 80
p0 −50.09 ± 3.397
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean 252
Std Dev 202.5
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.04931
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

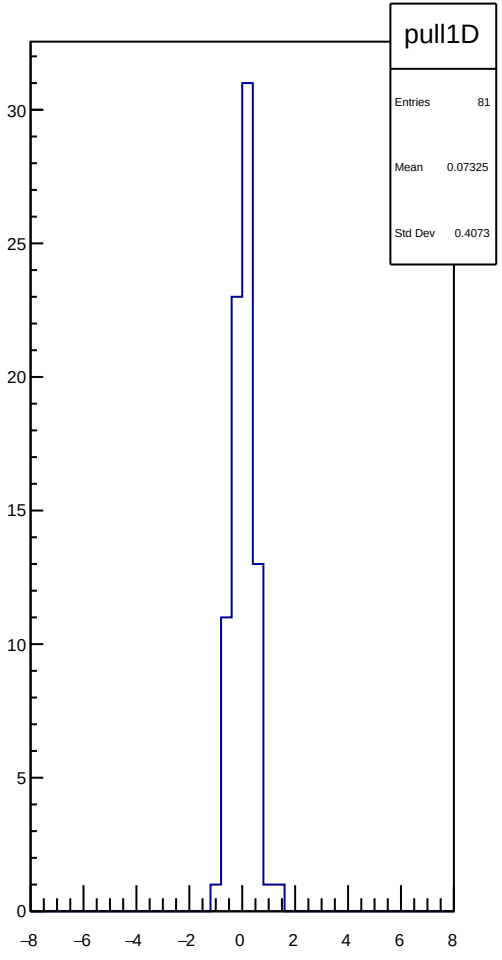

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1.617e+04 / 80
p0 −48.67 ± 0.1406
pull
Entries 81
Mean −98.08
Std Dev 143.3

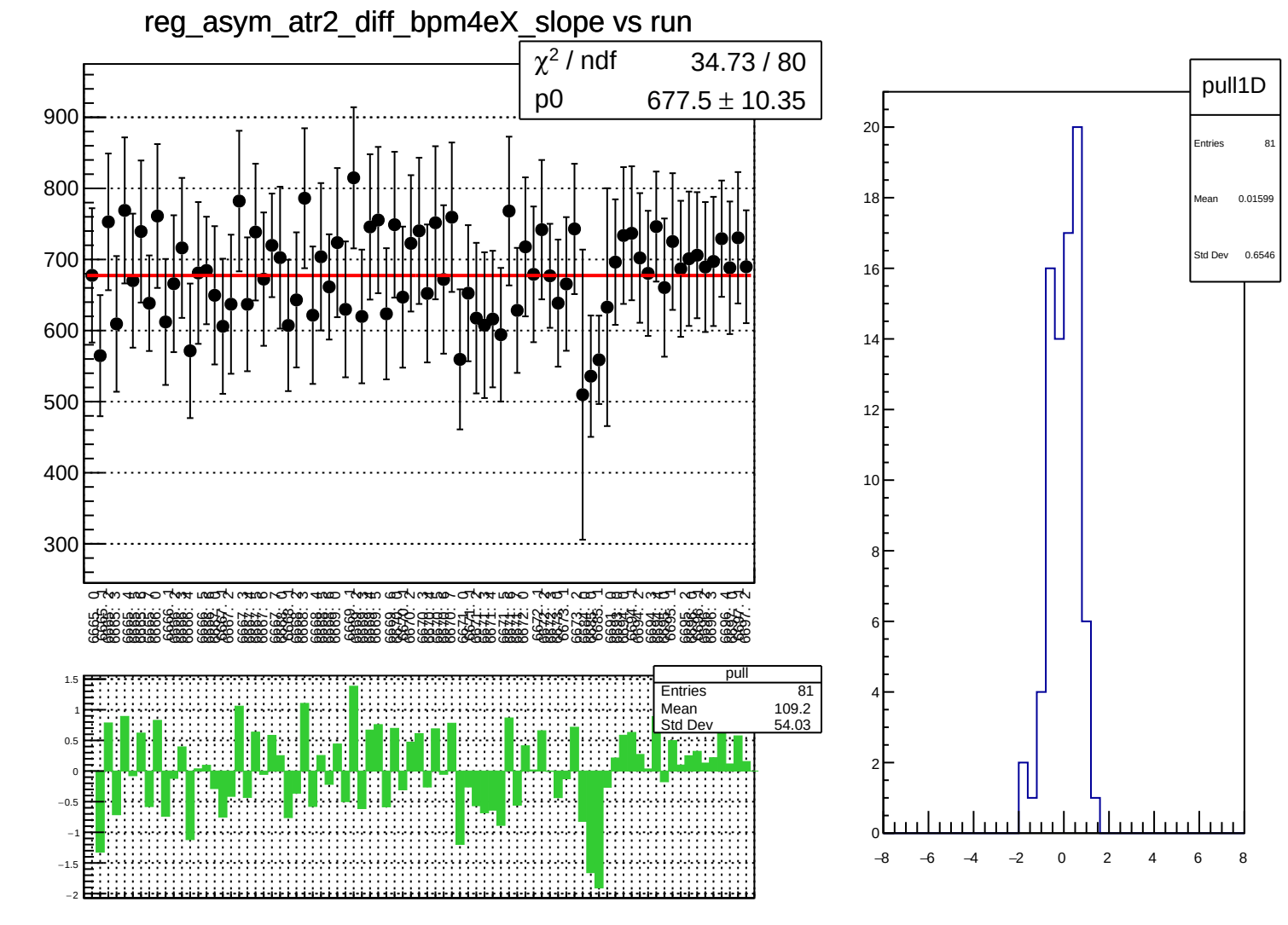

pull1D
Entries 81
Mean −7.503
Std Dev 0.4686

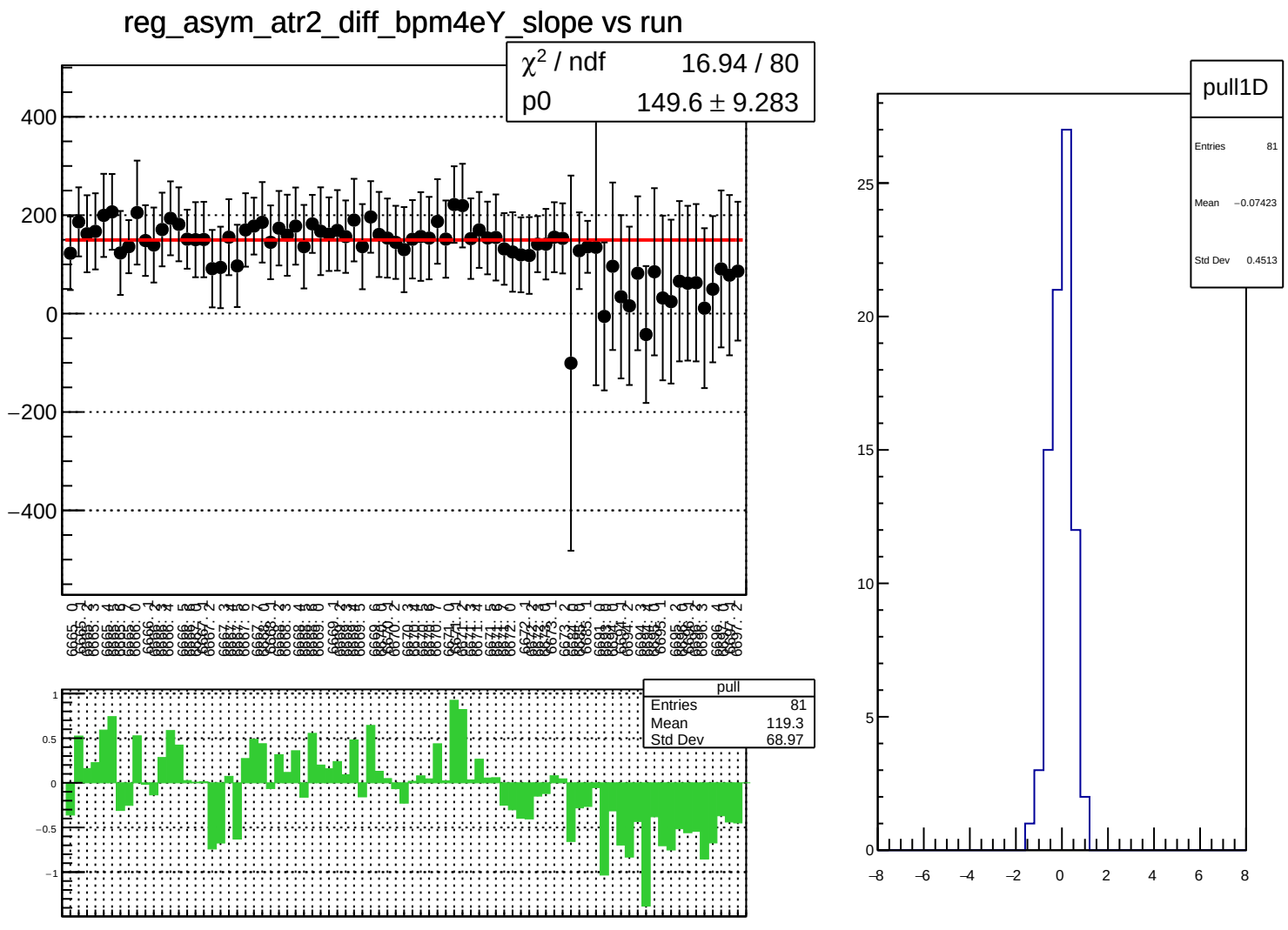

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 51.26 / 80
p0 −527.3 ± 9.805
pull
Entries 81
Mean 295.2
Std Dev 246.9

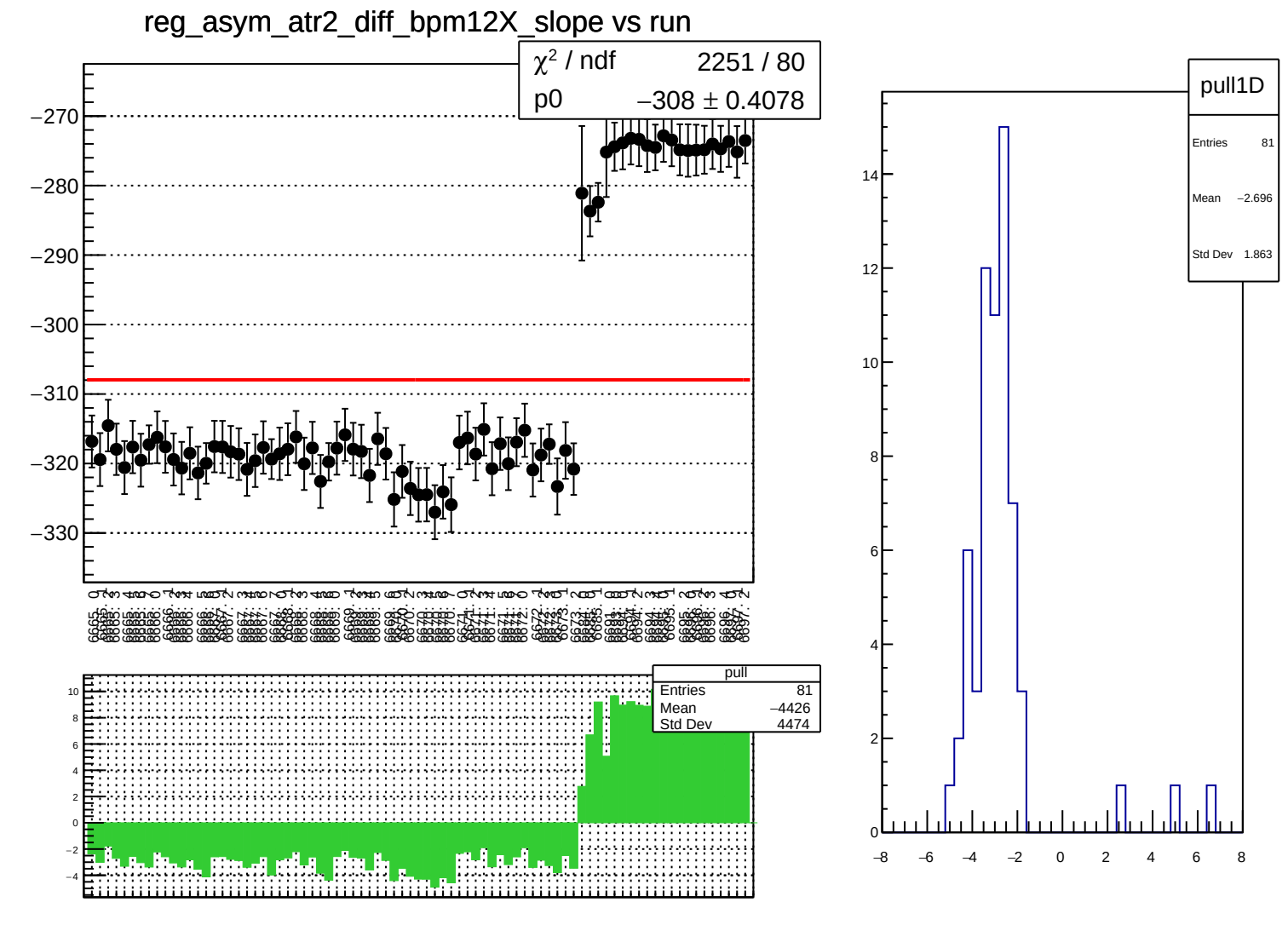

pull1D
Entries 81
Mean −0.0326
Std Dev 0.7949

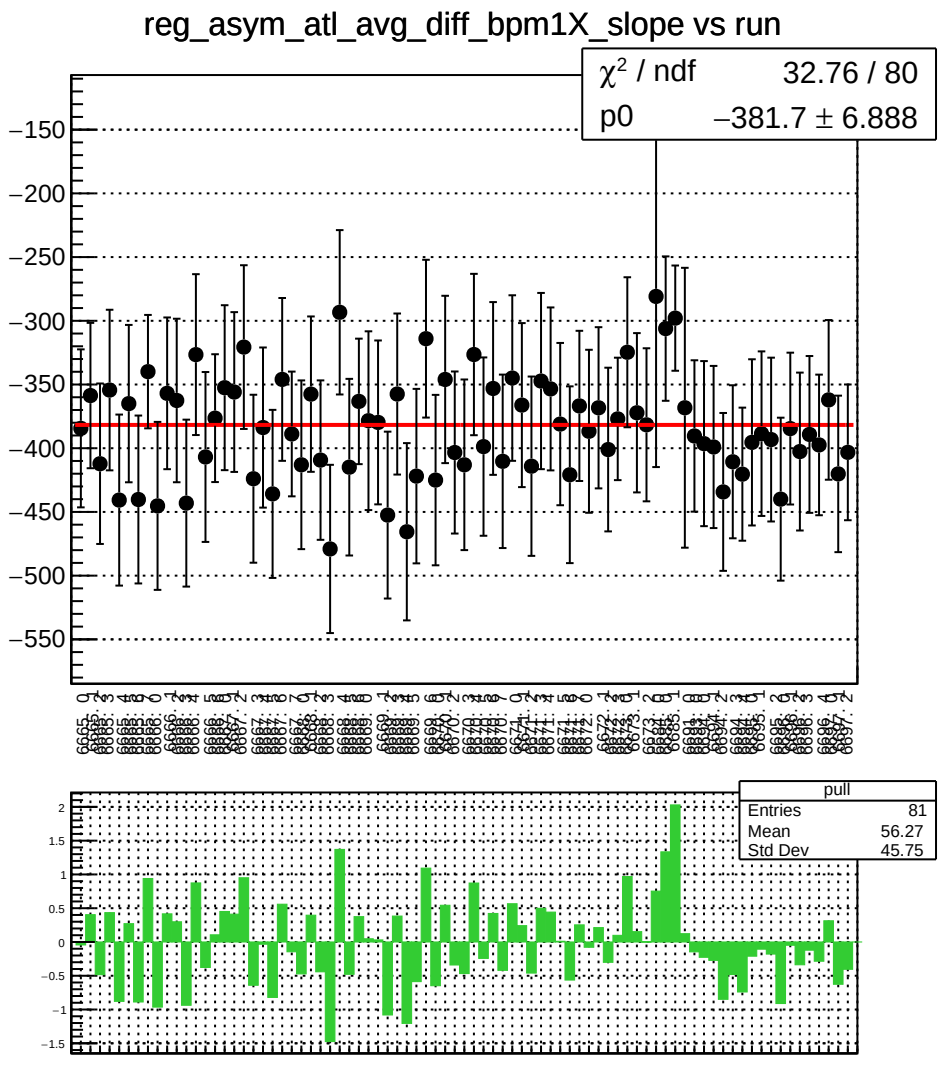

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 13.87 / 80
p0 6.597 ± 8.067
pull
Entries 81
Mean 104.9
Std Dev 54.77

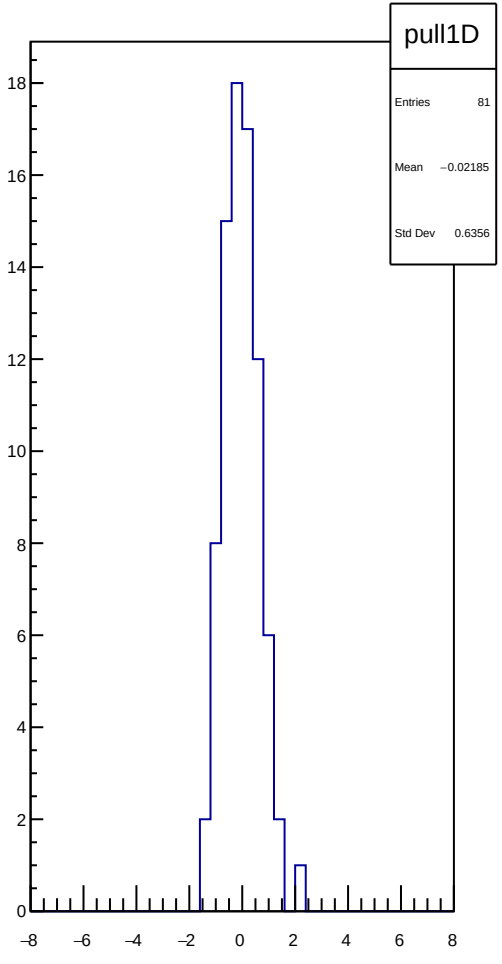

pull1D
Entries 81
Mean 0.07325
Std Dev 0.4073

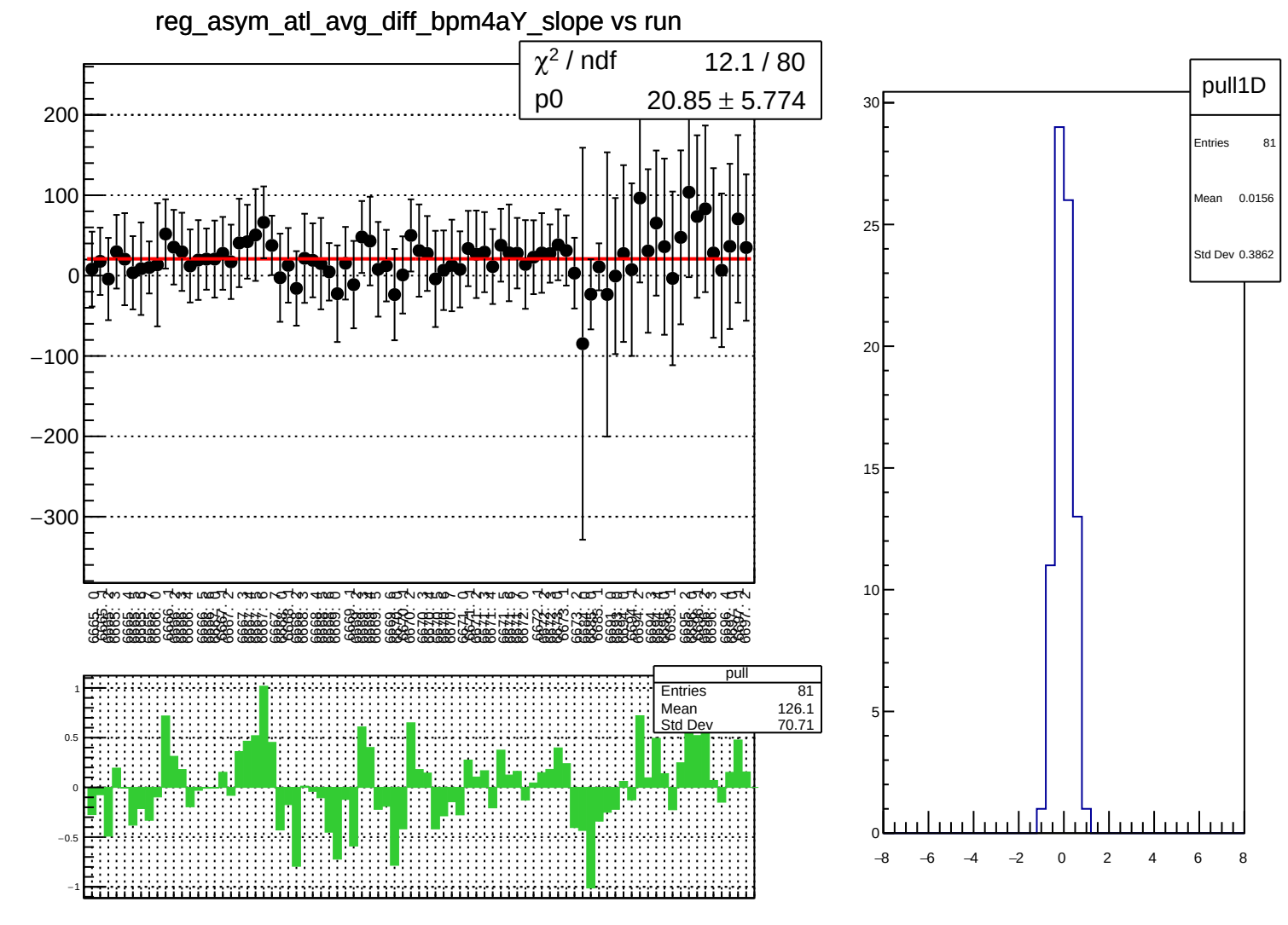

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 34.73 / 80
p0 677.5 ± 10.35
900
800
700
600
500
400
300
pull
Entries 81
Mean 109.2
Std Dev 54.03
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.01599
Std Dev 0.6546
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

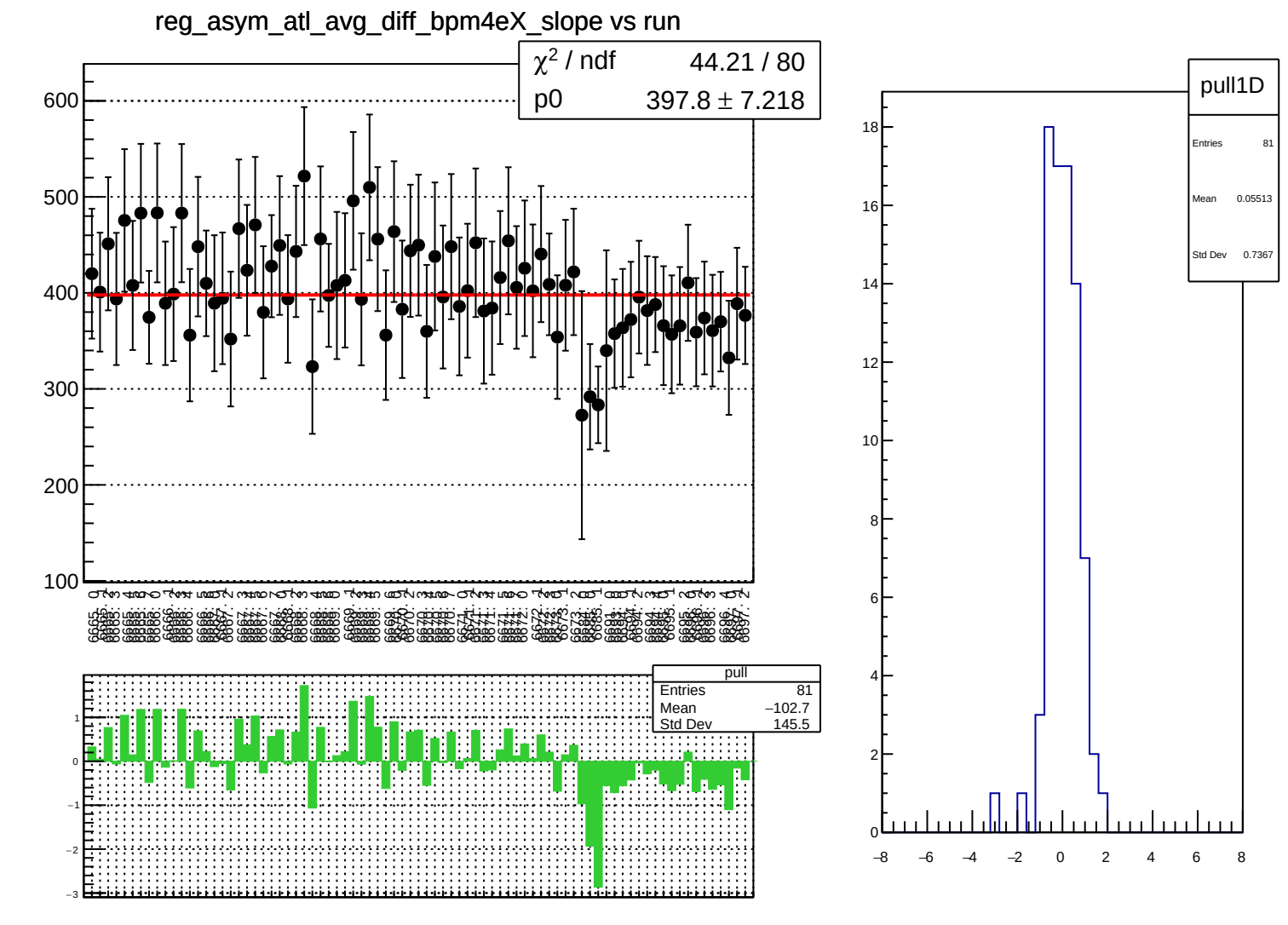

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 16.94 / 80
p0 149.6 ± 9.283
400
200
0
−200
−400
pull
Entries 81
Mean 119.3
Std Dev 68.97
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean −0.07423
Std Dev 0.4513
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

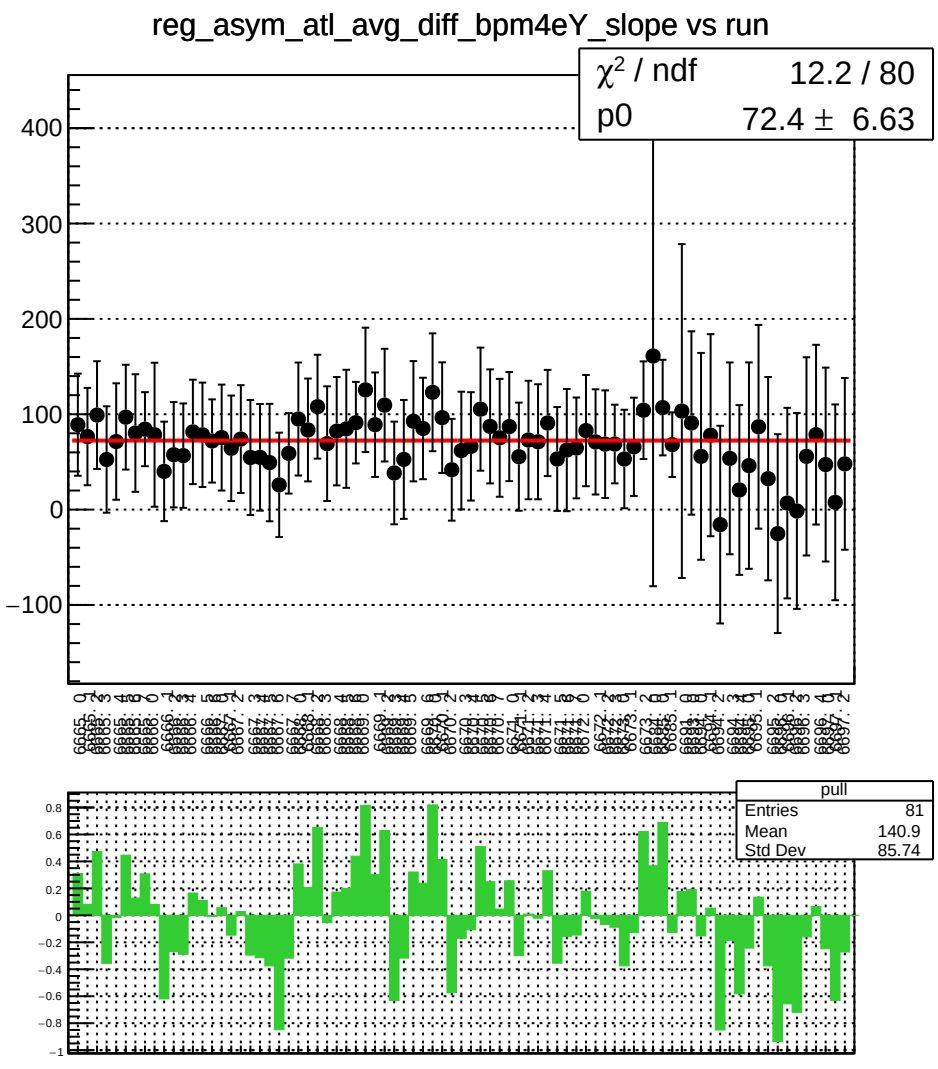

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 2251 / 80
p0 −308 ± 0.4078
pull
Entries 81
Mean −4426
Std Dev 4474
pull1D
Entries 81
Mean −2.696
Std Dev 1.863

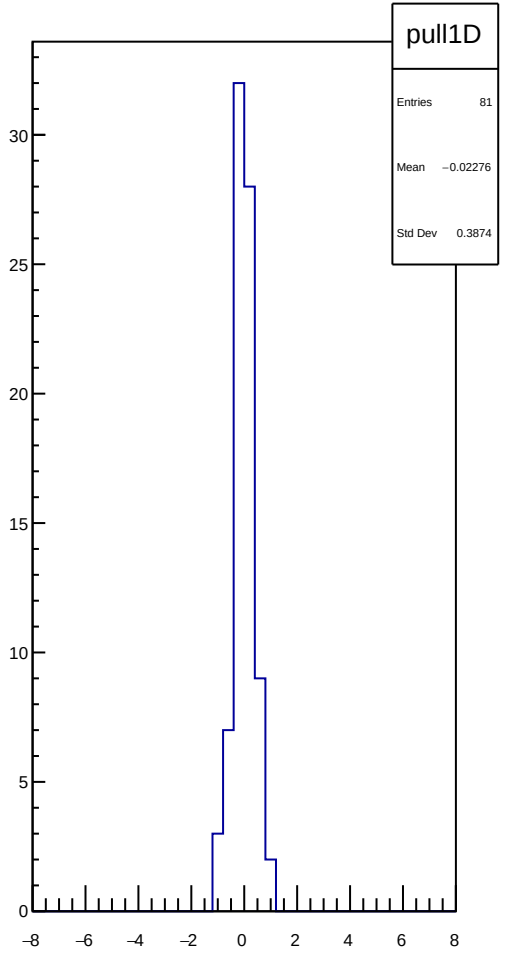

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 32.76 / 80
p0 −381.7 ± 6.888
pull
Entries 81
Mean 56.27
Std Dev 45.75

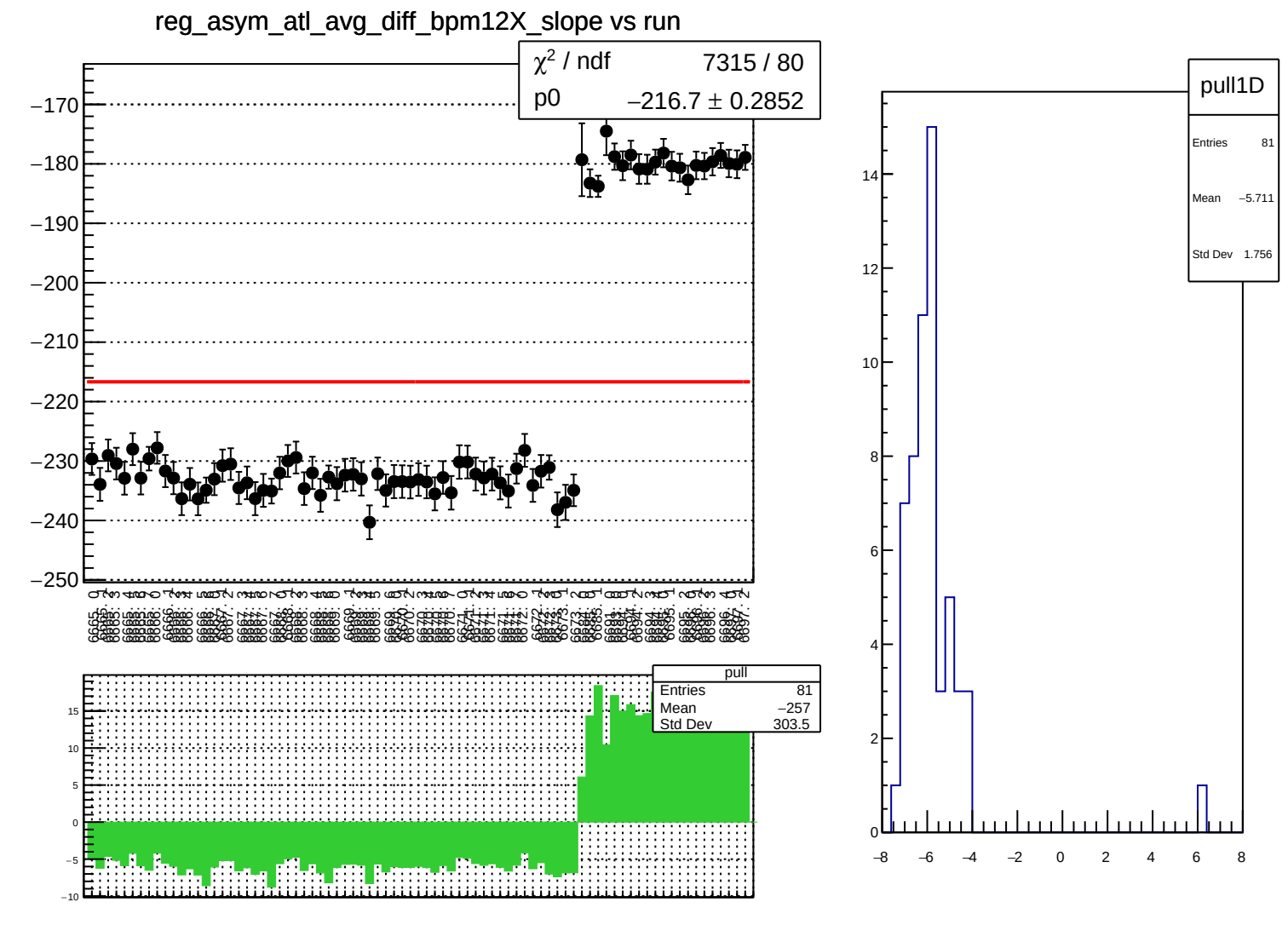

pull1D
Entries 81
Mean −0.02185
Std Dev 0.6356

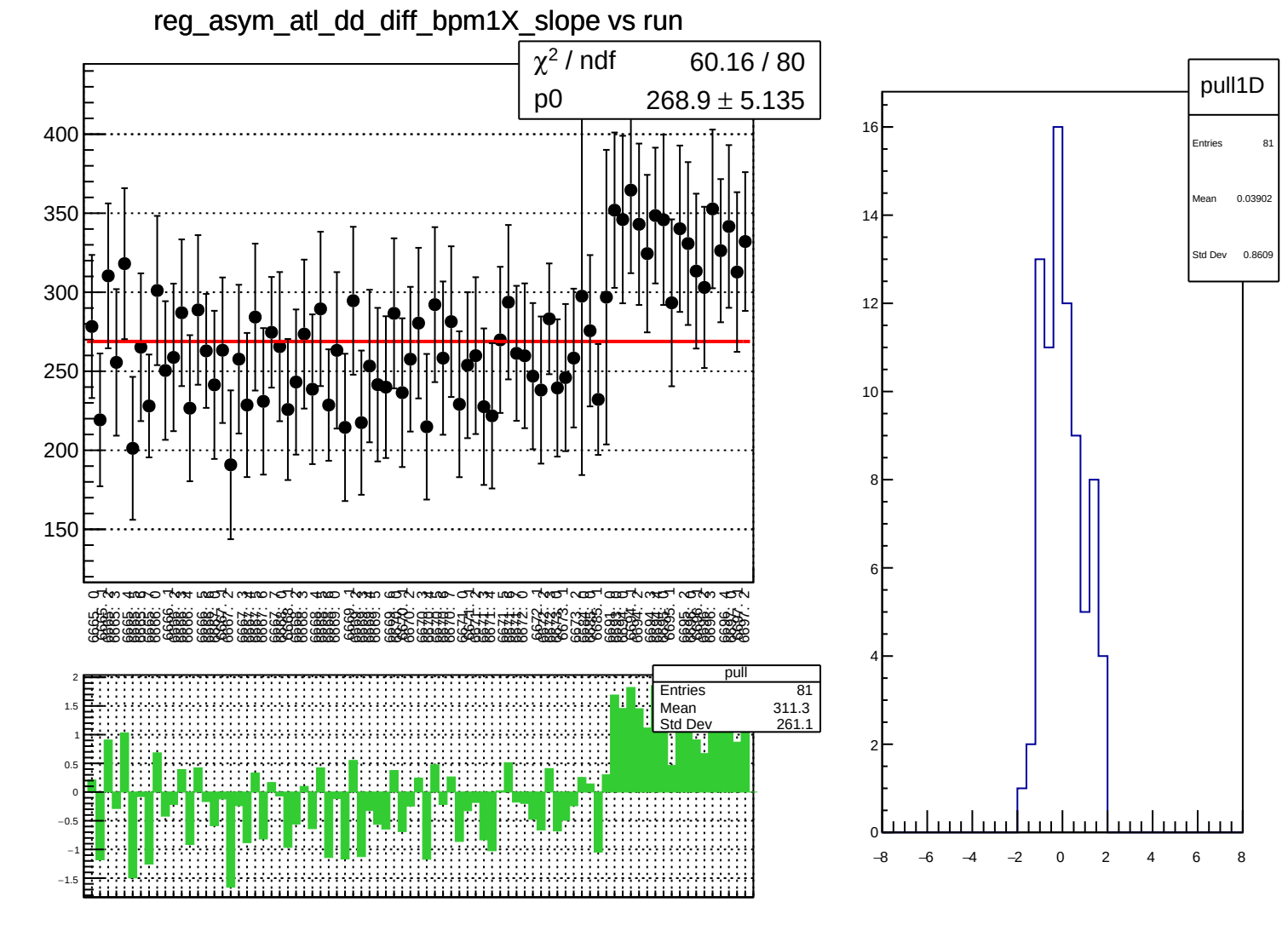

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.1 / 80
p0 20.85 ± 5.774
200
100
0
−100
−200
−300
pull
Entries 81
Mean 126.1
Std Dev 70.71
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.0156
Std Dev 0.3862
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

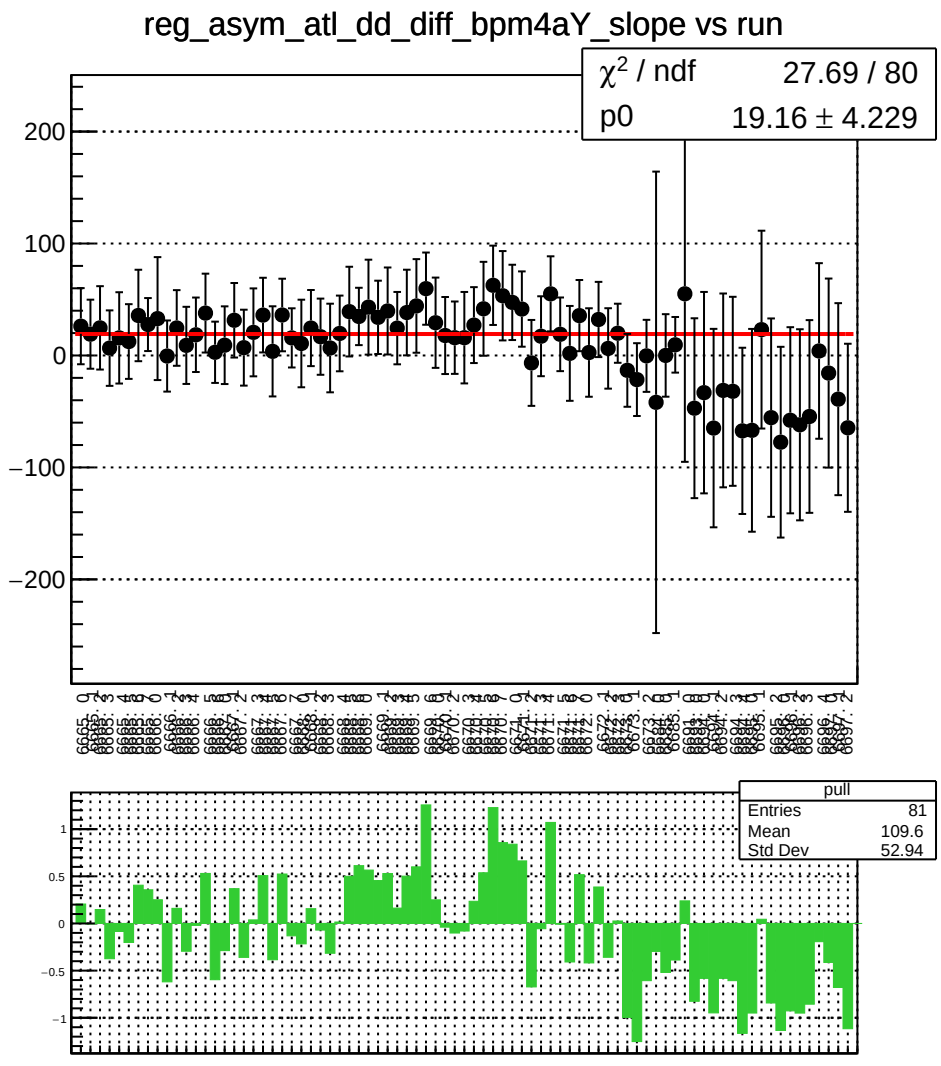

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.21 / 80
p0 397.8 ± 7.218
pull
Entries 81
Mean −102.7
Std Dev 145.5
pull1D
Entries 81
Mean 0.05513
Std Dev 0.7367

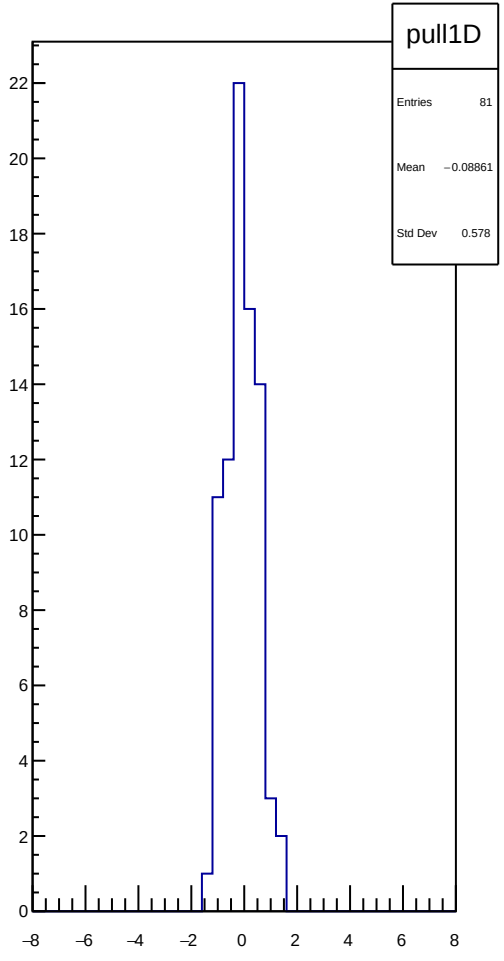

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.2 / 80
p0 72.4 ± 6.63
400
300
200
100
0
−100
pull
Entries 81
Mean 140.9
Std Dev 85.74
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

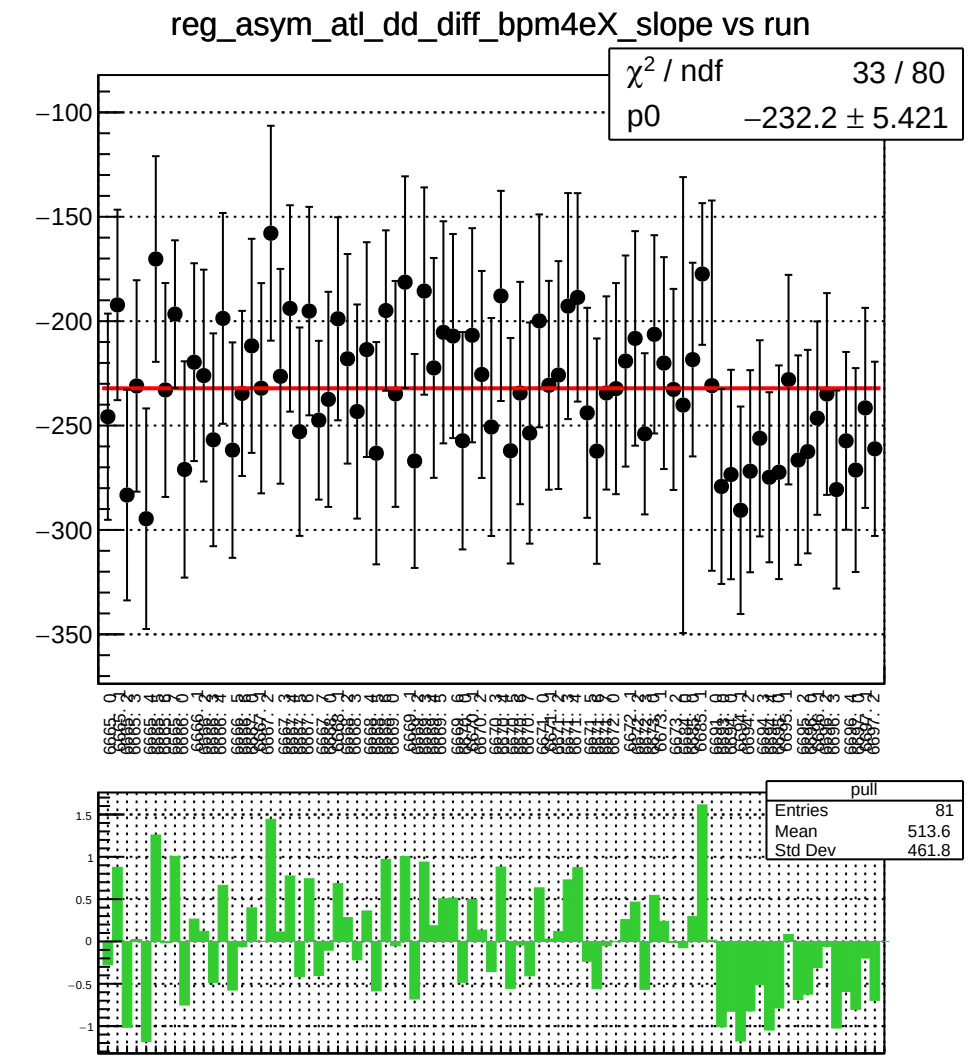

pull1D
Entries 81
Mean −0.02276
Std Dev 0.3874
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

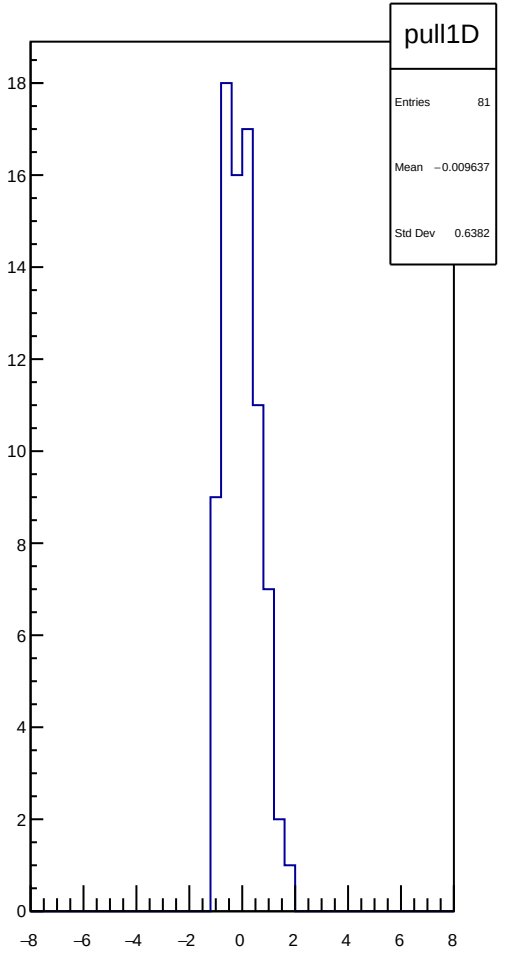

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 7315 / 80
p0 −216.7 ± 0.2852
pull
Entries 81
Mean −257
Std Dev 303.5
pull1D
Entries 81
Mean −5.711
Std Dev 1.756

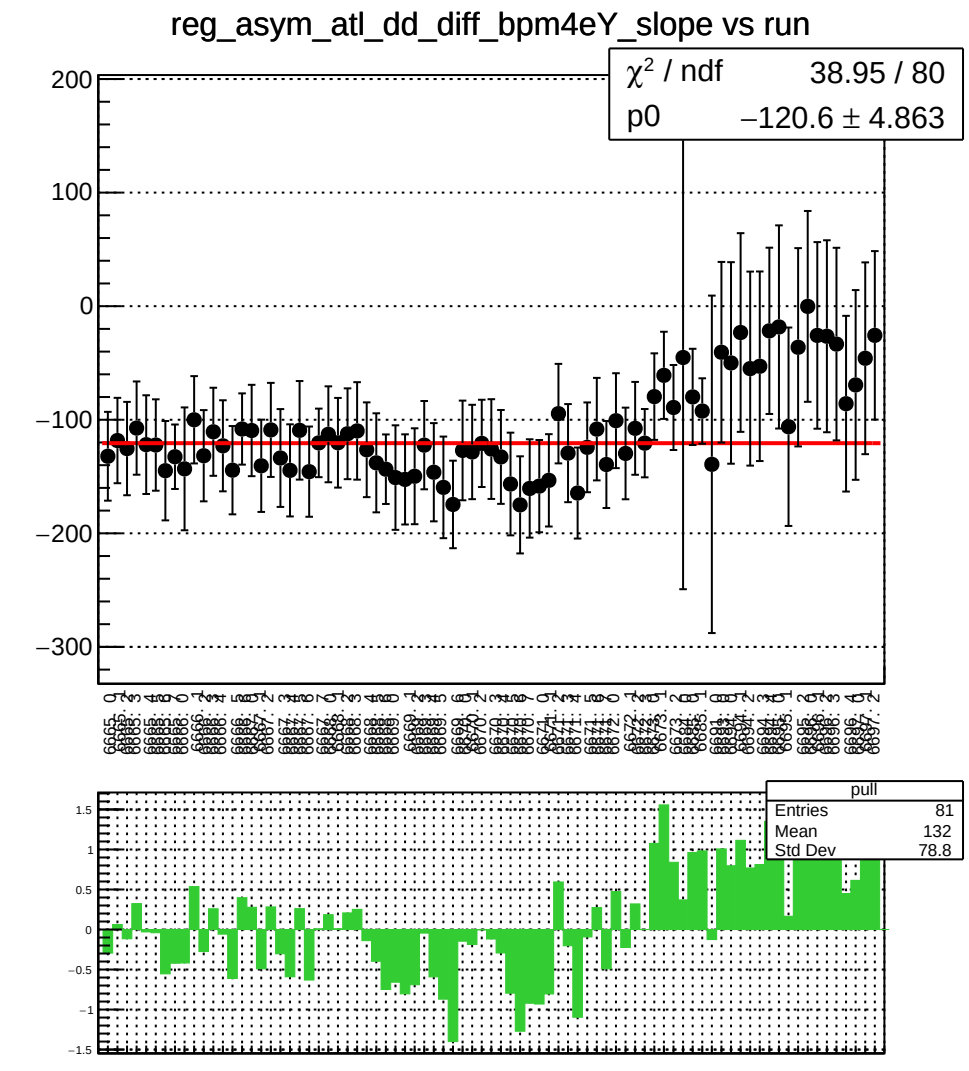

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 60.16 / 80
p0 268.9 ± 5.135
pull
Entries 81
Mean 311.3
Std Dev 261.1
pull1D
Entries 81
Mean 0.03902
Std Dev 0.8609

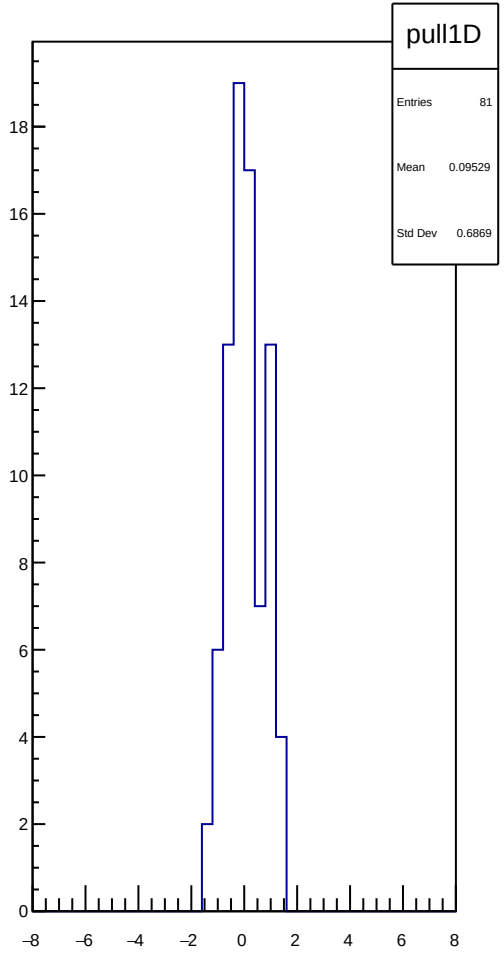

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.69 / 80
p0 19.16 ± 4.229
200
100
0
−100
−200
pull
Entries 81
Mean 109.6
Std Dev 52.94
1
0.5
0
−0.5
−1

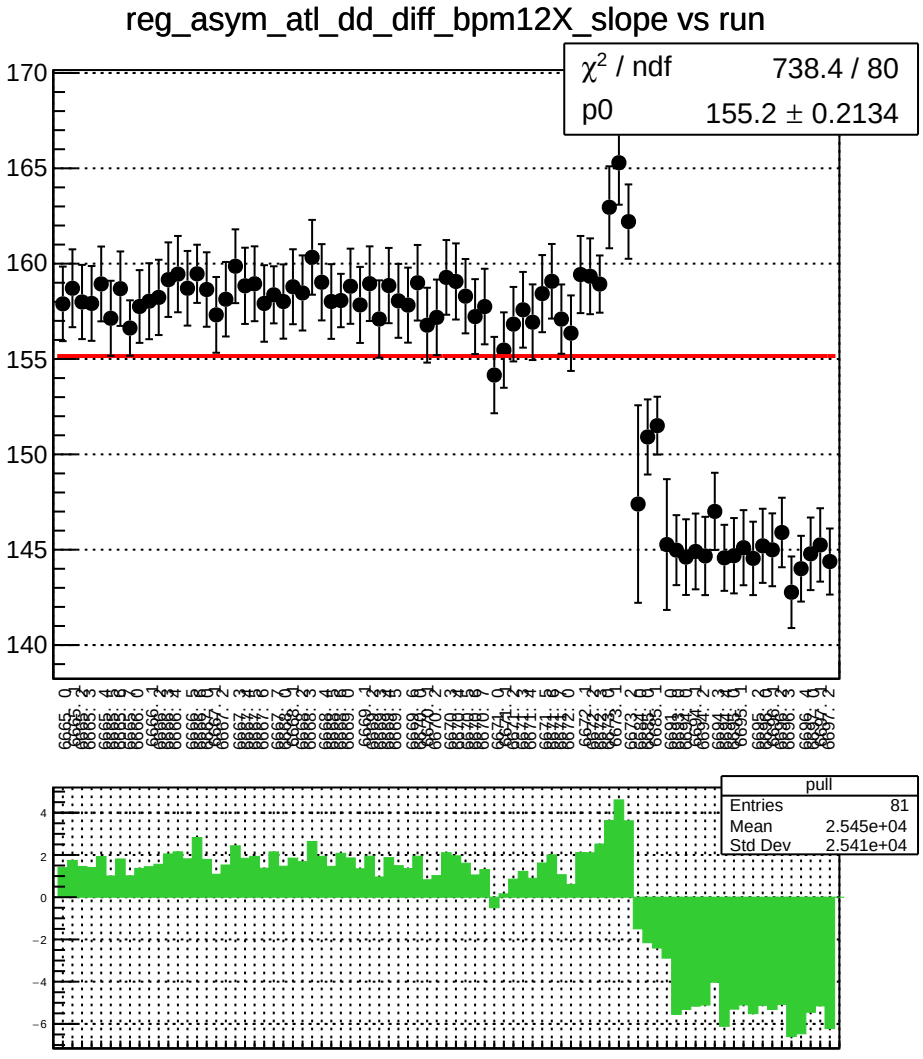

pull1D
Entries 81
Mean −0.08861
Std Dev 0.578
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

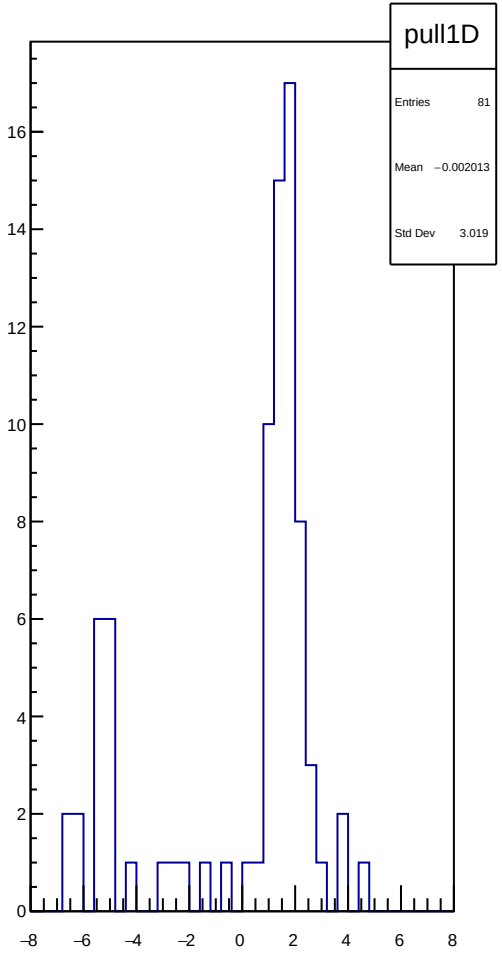

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 33 / 80
p0 −232.2 ± 5.421
pull
Entries 81
Mean 513.6
Std Dev 461.8

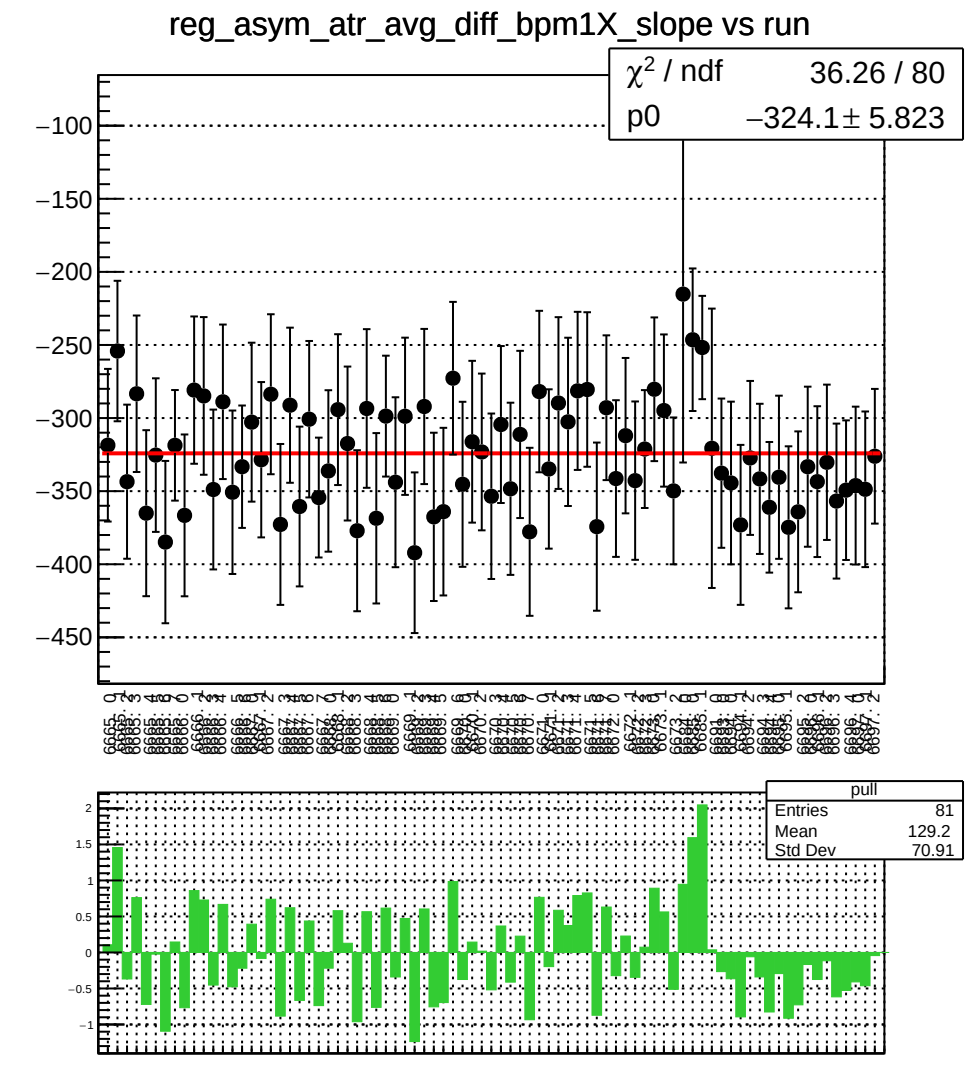

pull1D
Entries 81
Mean −0.009637
Std Dev 0.6382

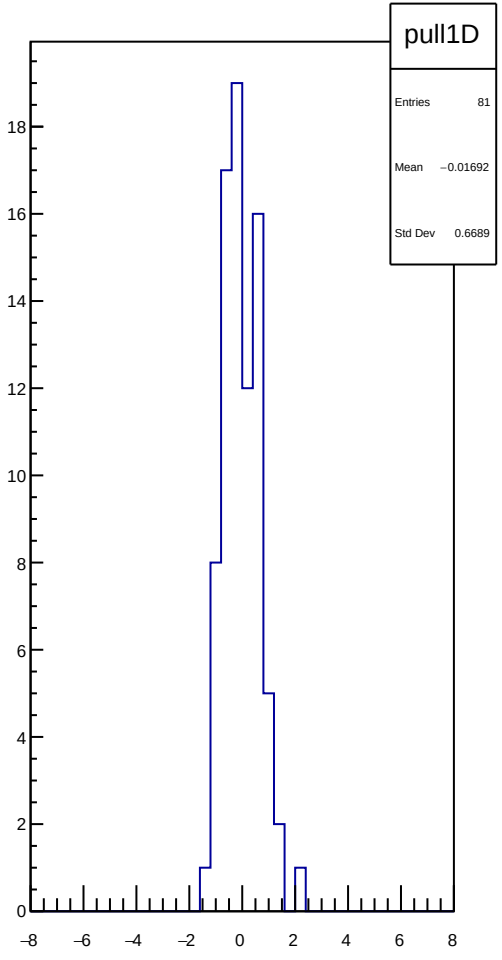

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.95 / 80
p0 −120.6 ± 4.863
200
100
0
−100
−200
−300
pull
Entries 81
Mean 132
Std Dev 78.8
1.5
1
0.5
0
−0.5
−1
−1.5

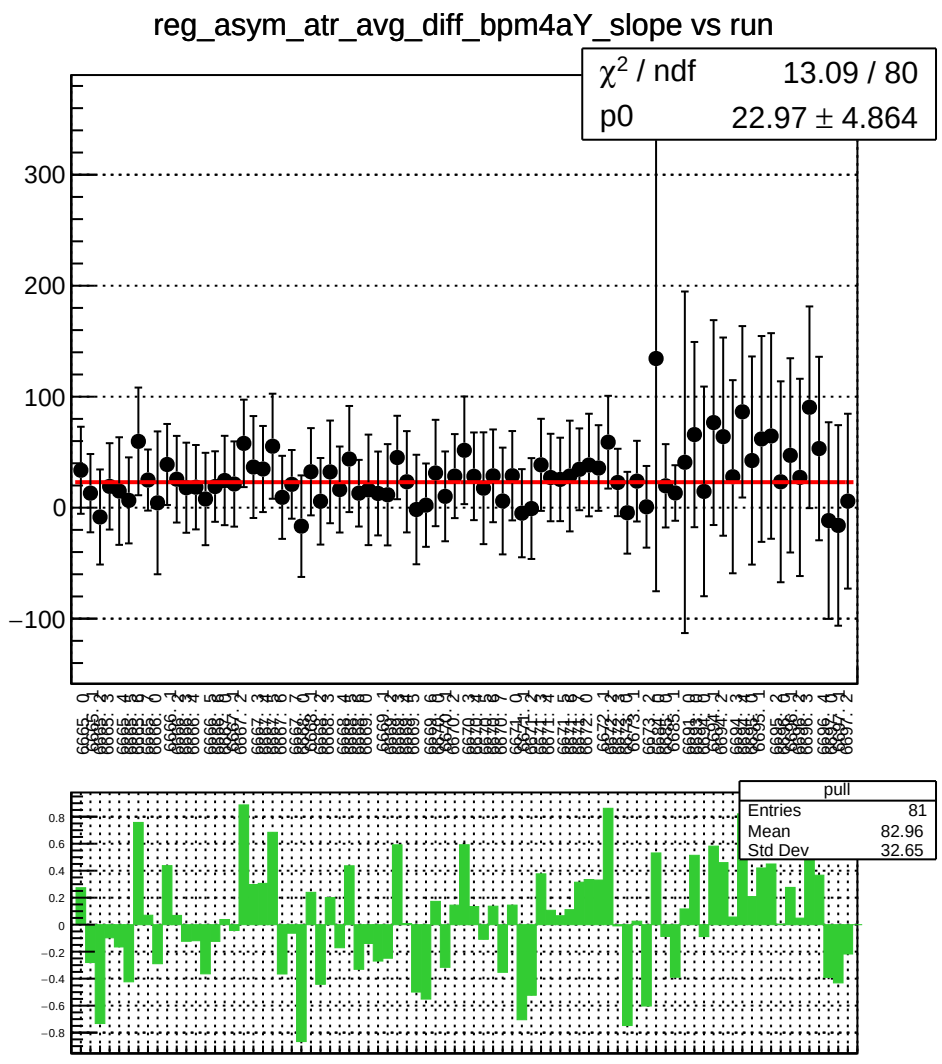

pull1D
Entries 81
Mean 0.09529
Std Dev 0.6869
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

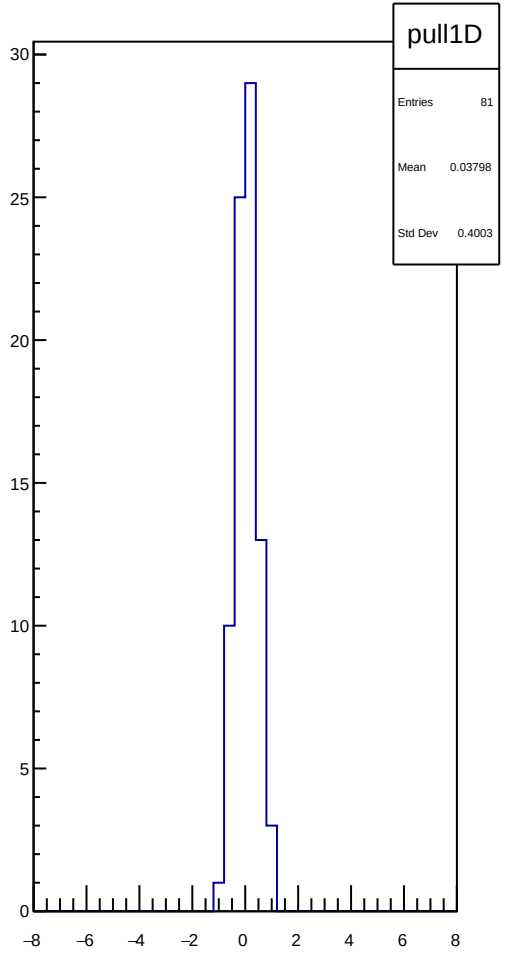

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 738.4 / 80
p0 155.2 ± 0.2134
pull
Entries 81
Mean 2.545e+04
Std Dev 2.541e+04

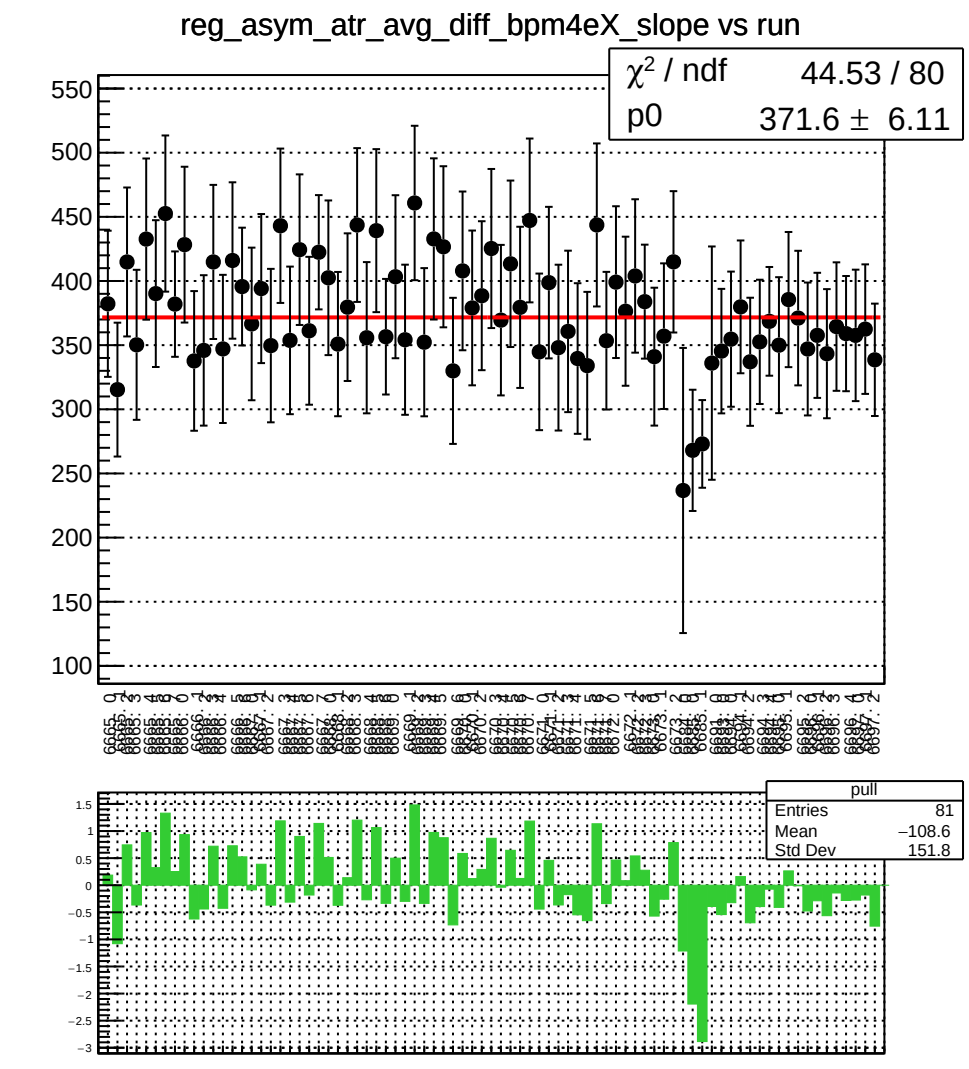

pull1D
Entries 81
Mean −0.002013
Std Dev 3.019

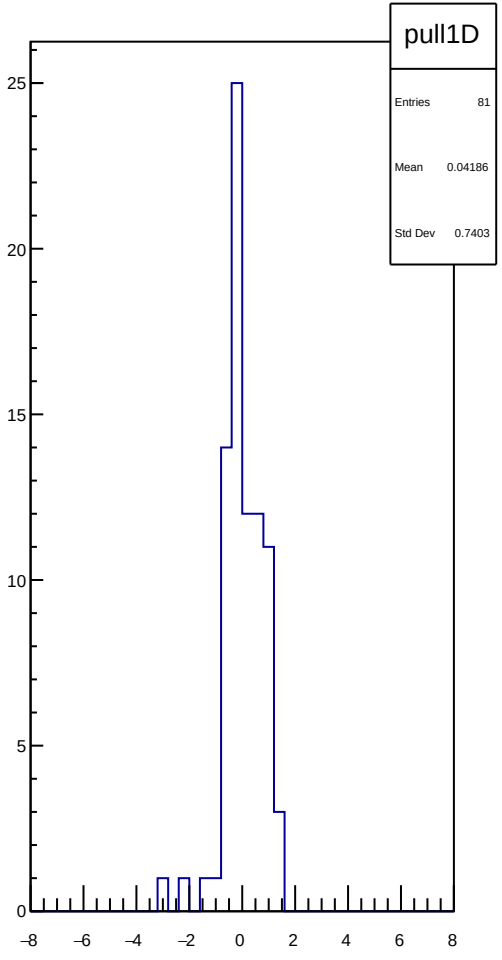

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 36.26 / 80
p0 −324.1 ± 5.823
pull
Entries 81
Mean 129.2
Std Dev 70.91

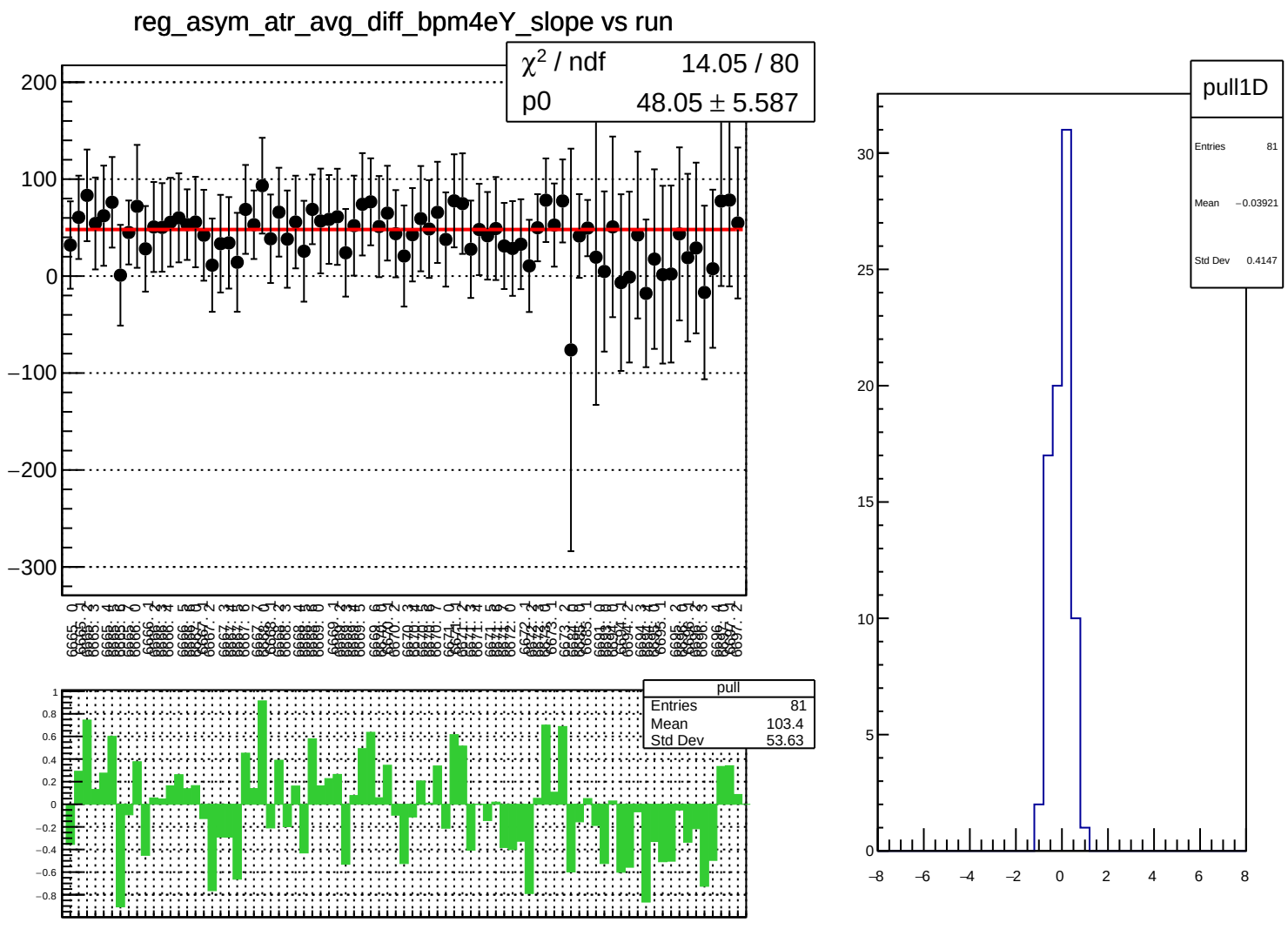

pull1D
Entries 81
Mean −0.01692
Std Dev 0.6689

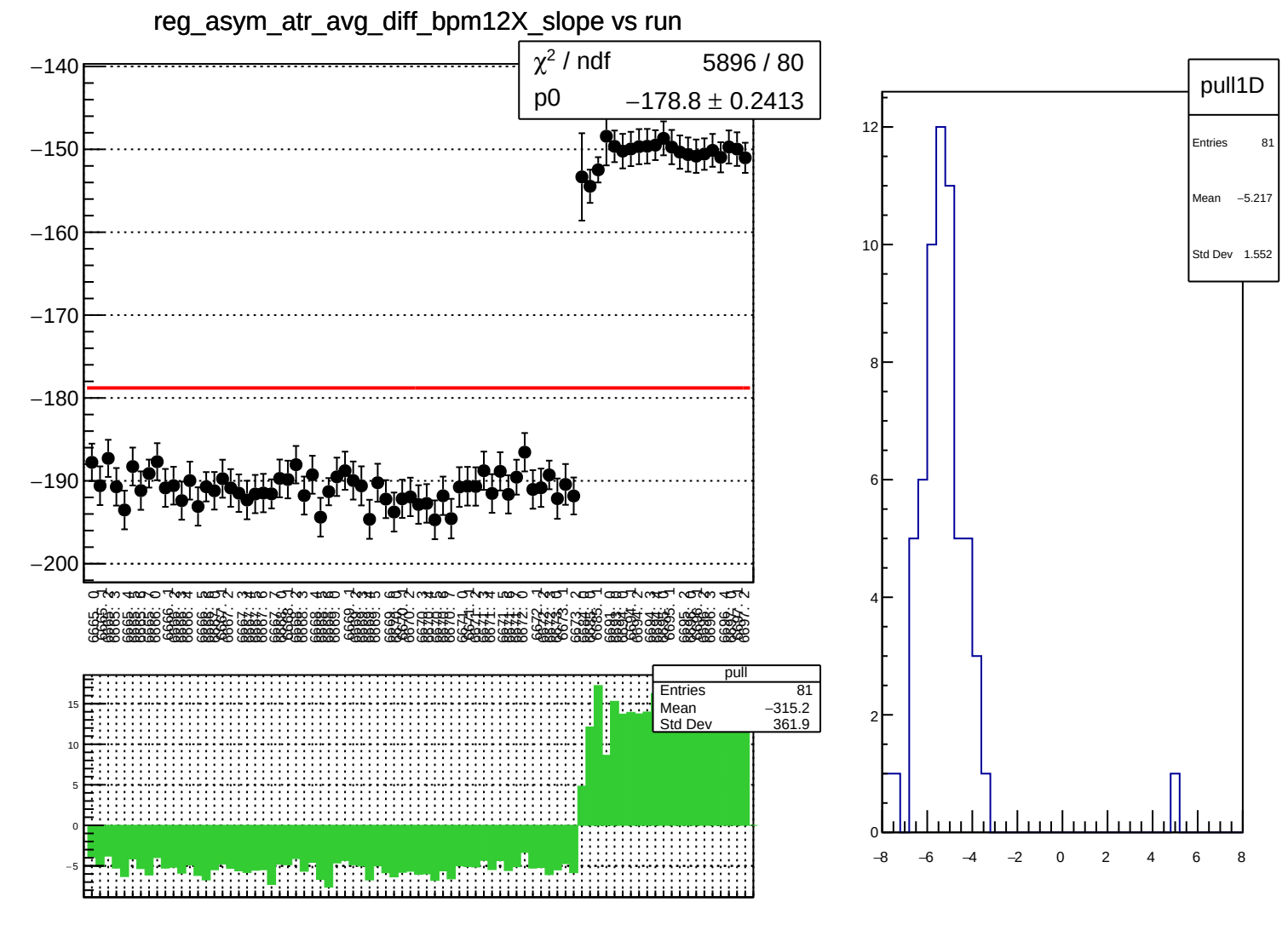

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.09 / 80
p0 22.97 ± 4.864
300
200
100
0
−100
pull
Entries 81
Mean 82.96
Std Dev 32.65
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

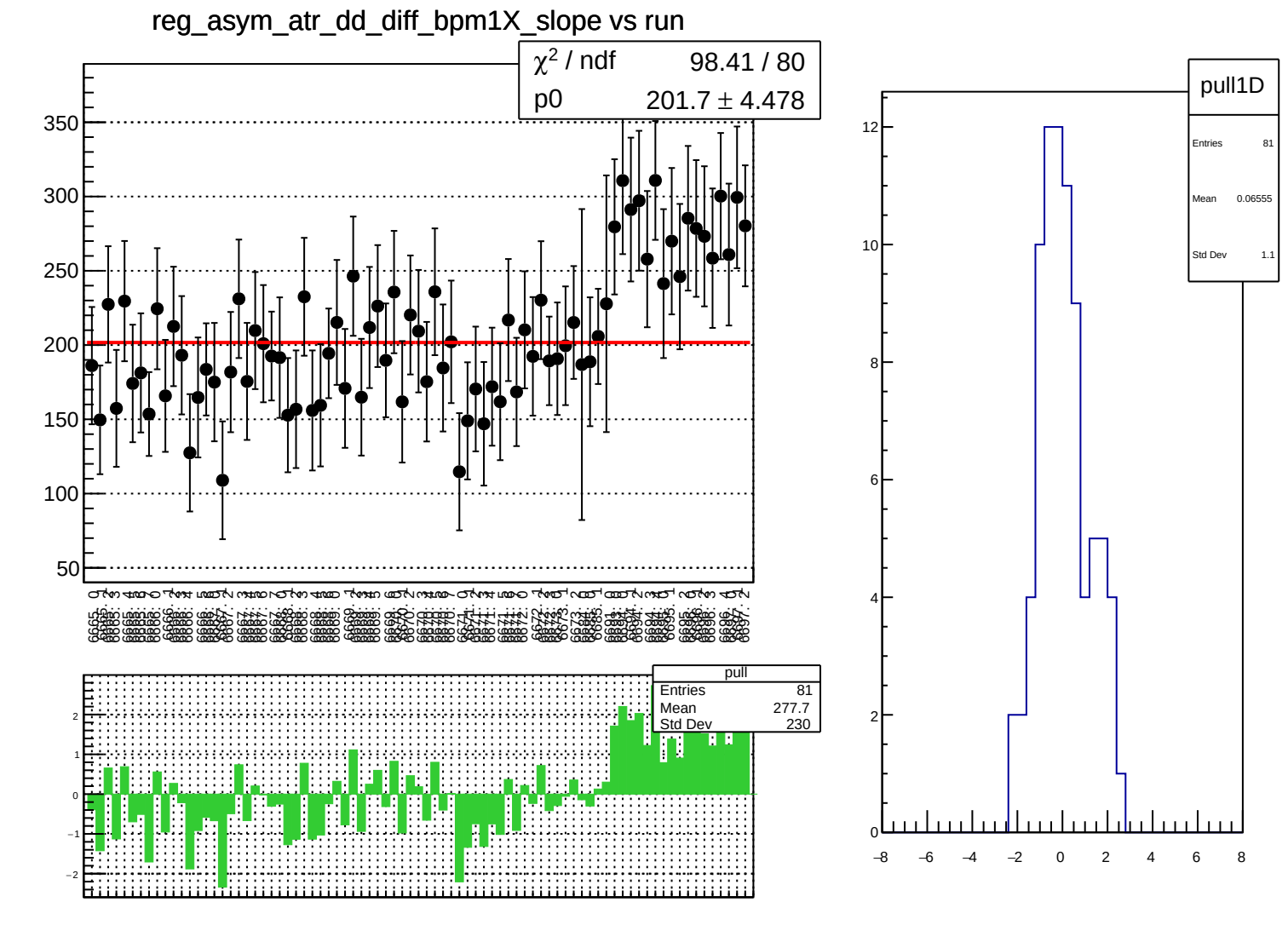

pull1D
Entries 81
Mean 0.03798
Std Dev 0.4003
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

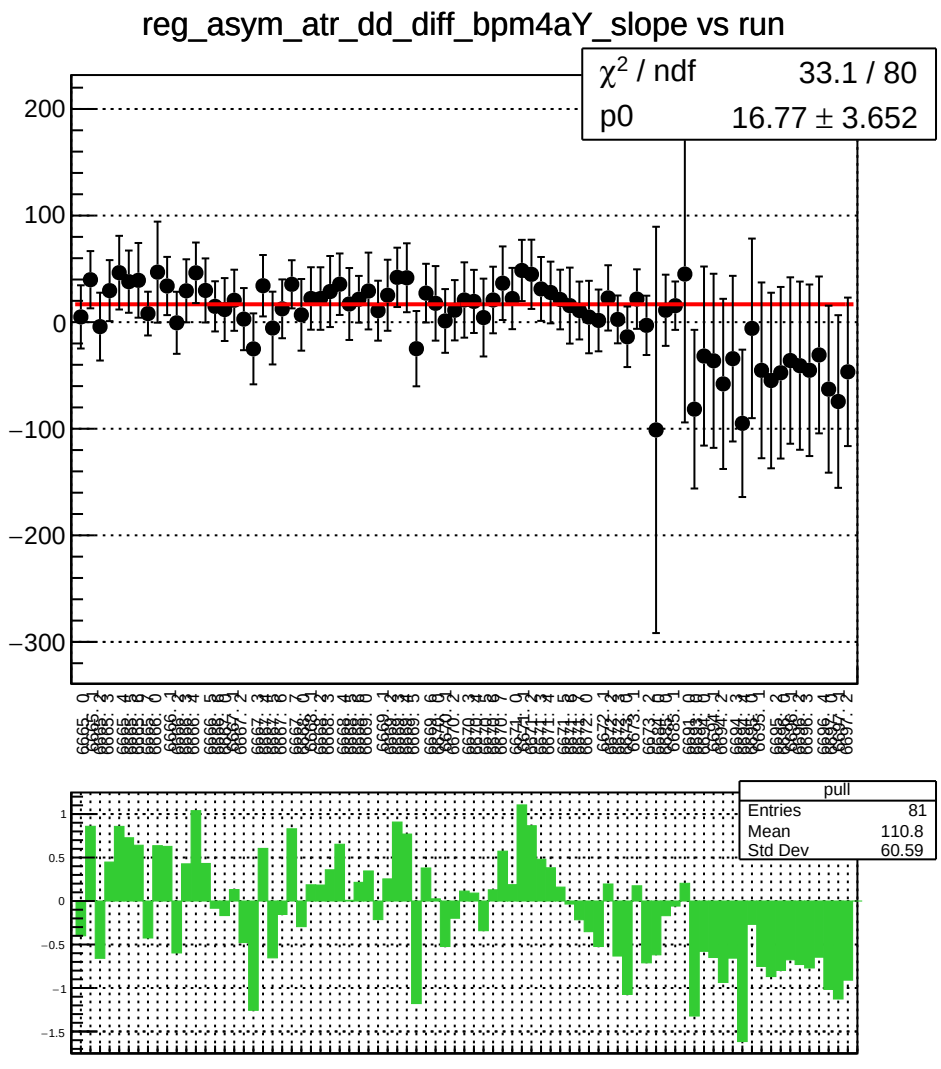

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.53 / 80
p0 371.6 ± 6.11
pull
Entries 81
Mean −108.6
Std Dev 151.8

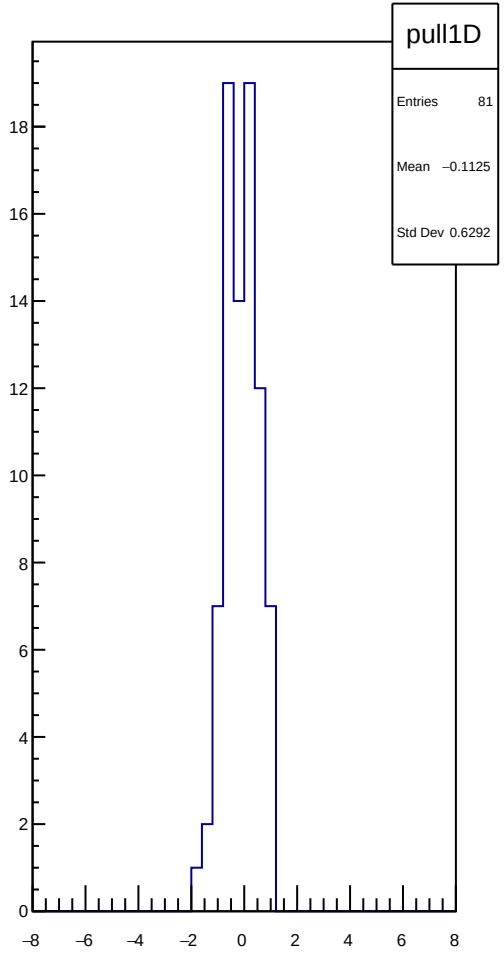

pull1D
Entries 81
Mean 0.04186
Std Dev 0.7403

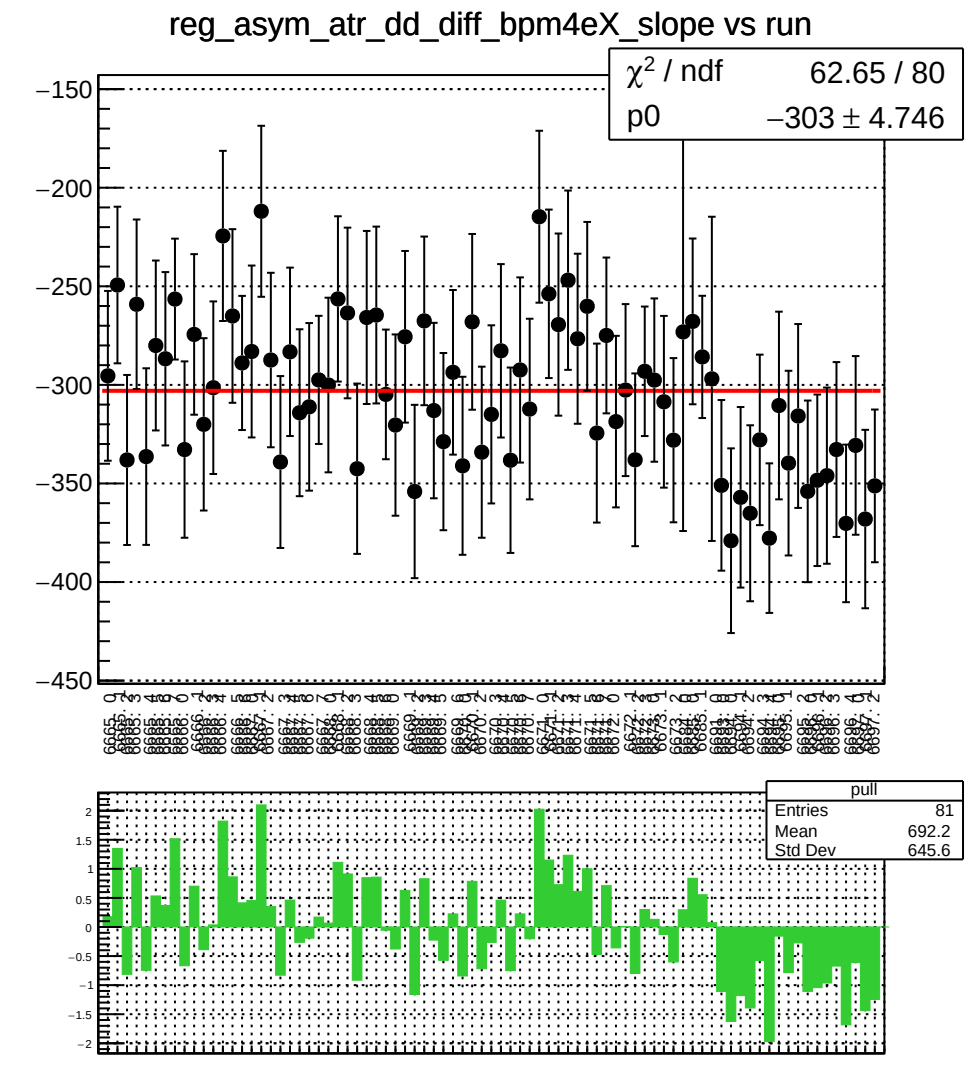

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.05 / 80
p0 48.05 ± 5.587
pull
Entries 81
Mean 103.4
Std Dev 53.63
pull1D
Entries 81
Mean −0.03921
Std Dev 0.4147

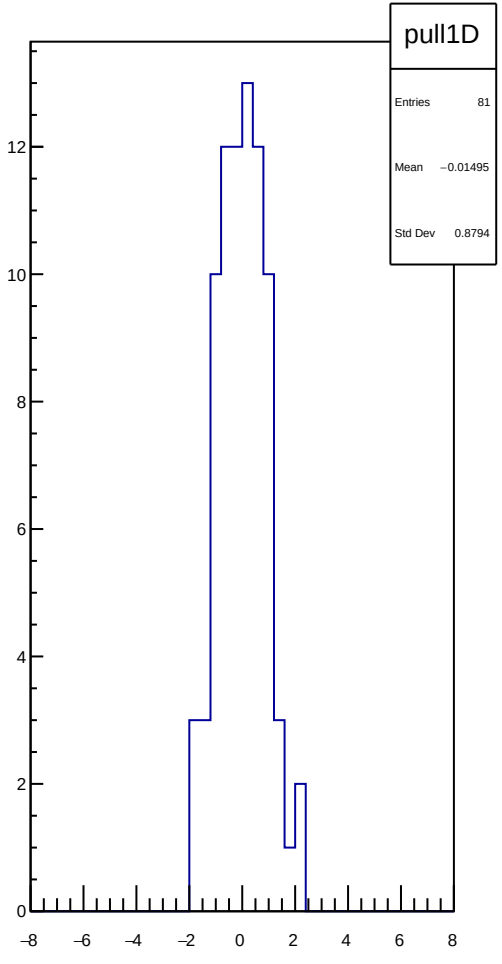

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 5896 / 80
p0 −178.8 ± 0.2413
−140
−150
−160
−170
−180
−190
−200
pull
Entries 81
Mean −315.2
Std Dev 361.9
15
10
5
0
−5
pull1D
Entries 81
Mean −5.217
Std Dev 1.552
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

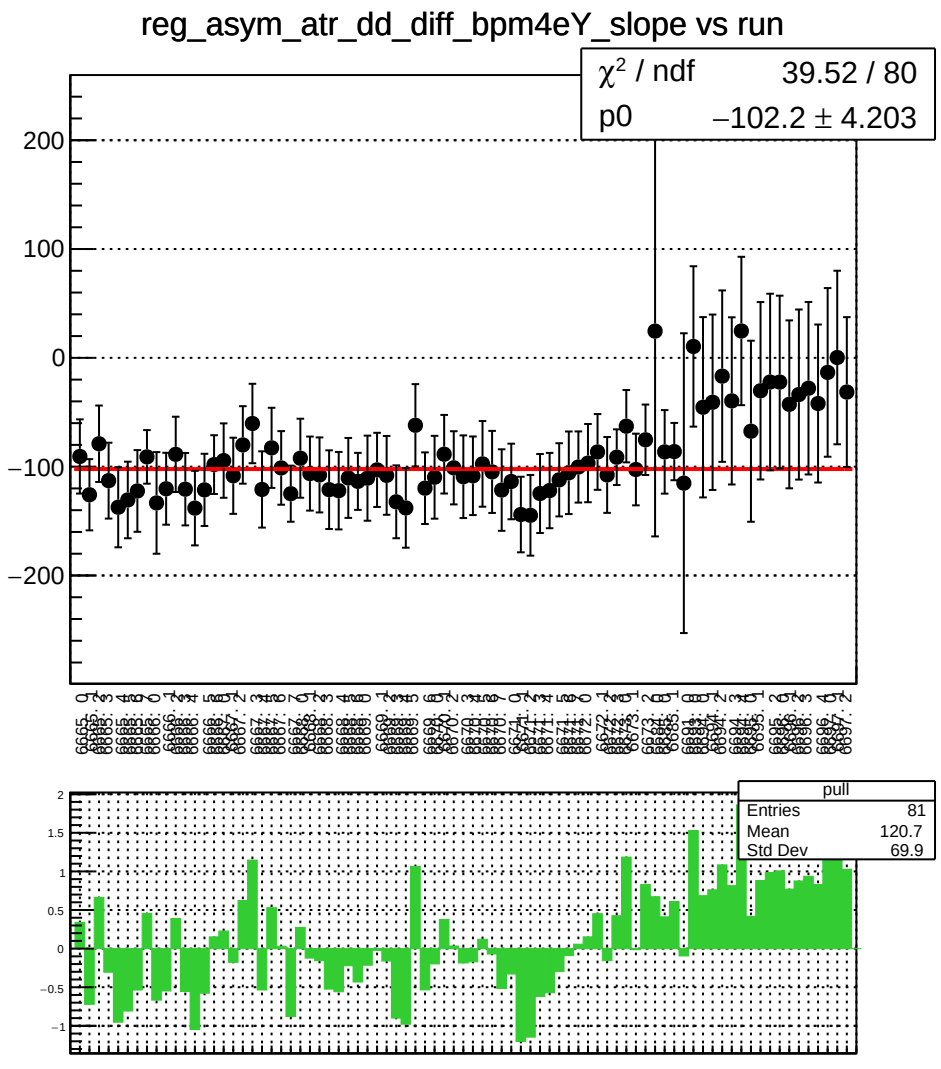

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 98.41 / 80
p0 201.7 ± 4.478
pull
Entries 81
Mean 277.7
Std Dev 230
pull1D
Entries 81
Mean 0.06555
Std Dev 1.1

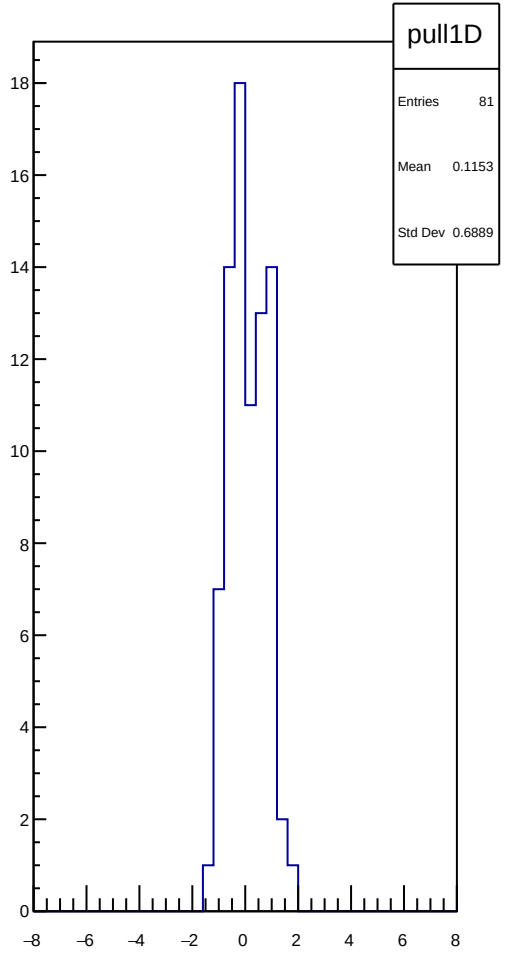

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.1 / 80
p0 16.77 ± 3.652
200
100
0
−100
−200
−300
pull
Entries 81
Mean 110.8
Std Dev 60.59
1
0.5
0
−0.5
−1
−1.5

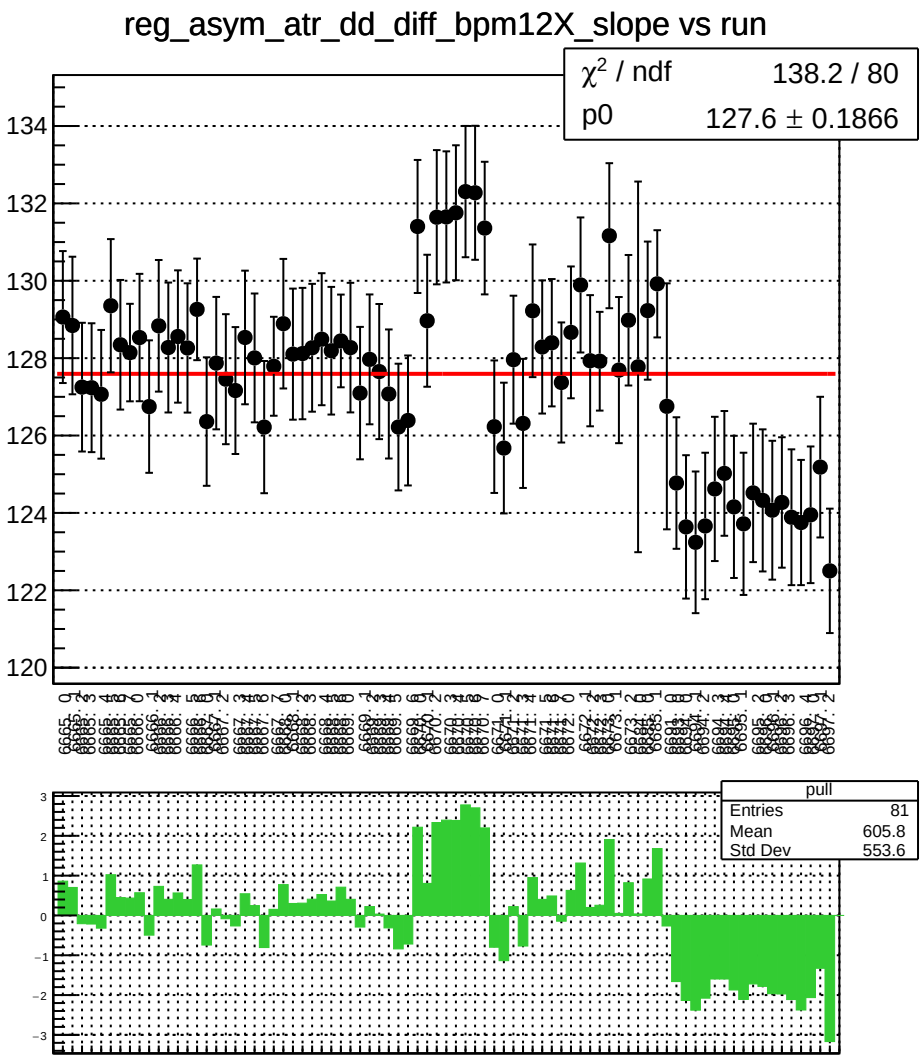

pull1D
Entries 81
Mean −0.1125
Std Dev 0.6292
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

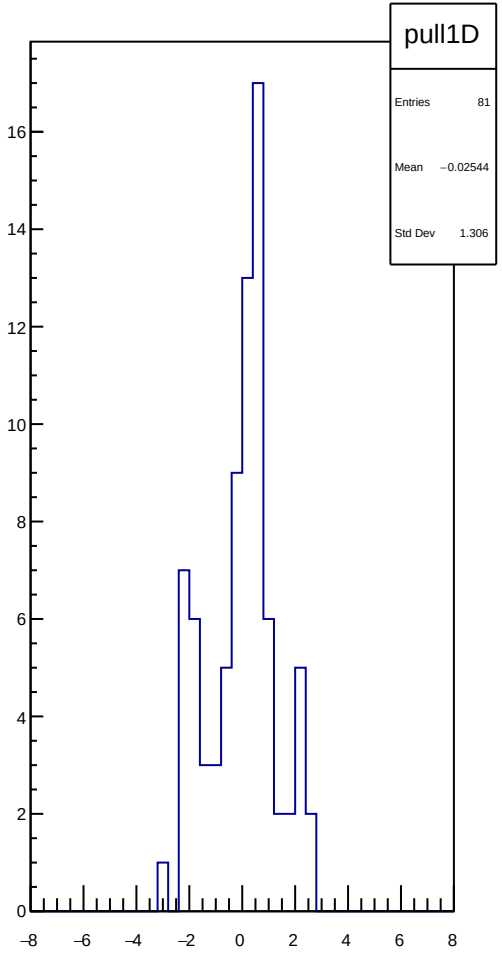

reg_asym_atr_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 62.65 / 80
p0 −303 ± 4.746
pull
Entries 81
Mean 692.2
Std Dev 645.6

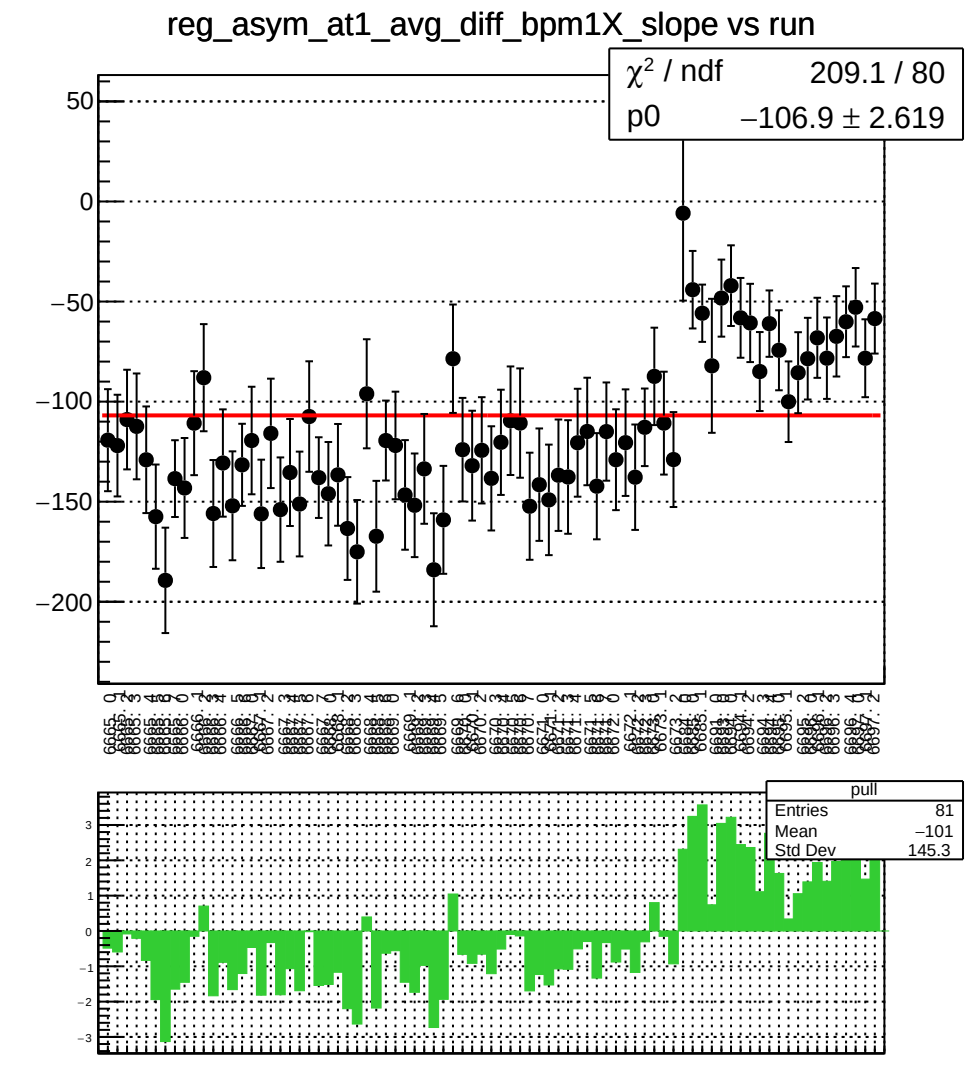

pull1D
Entries 81
Mean −0.01495
Std Dev 0.8794

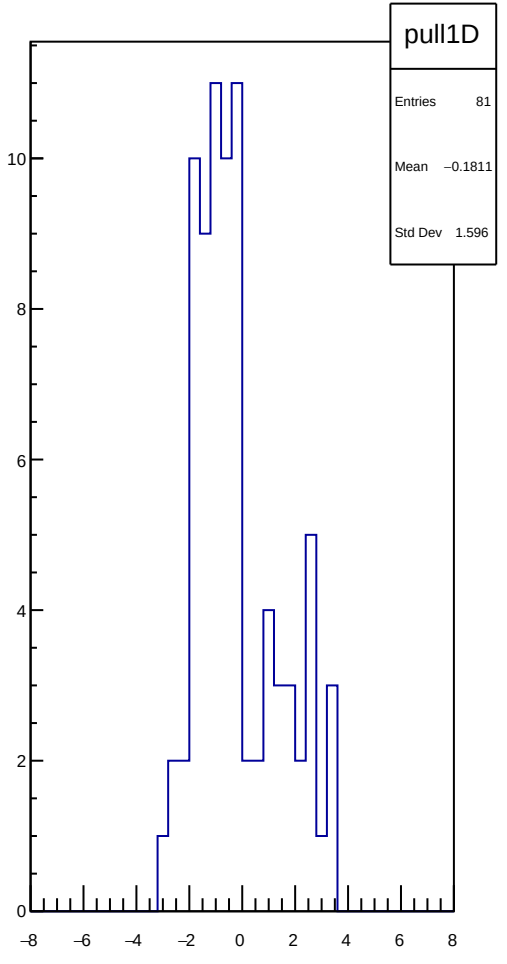

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.52 / 80
p0 −102.2 ± 4.203
200
100
0
−100
−200
pull
Entries 81
Mean 120.7
Std Dev 69.9
2
1.5
1
0.5
0
−0.5
−1

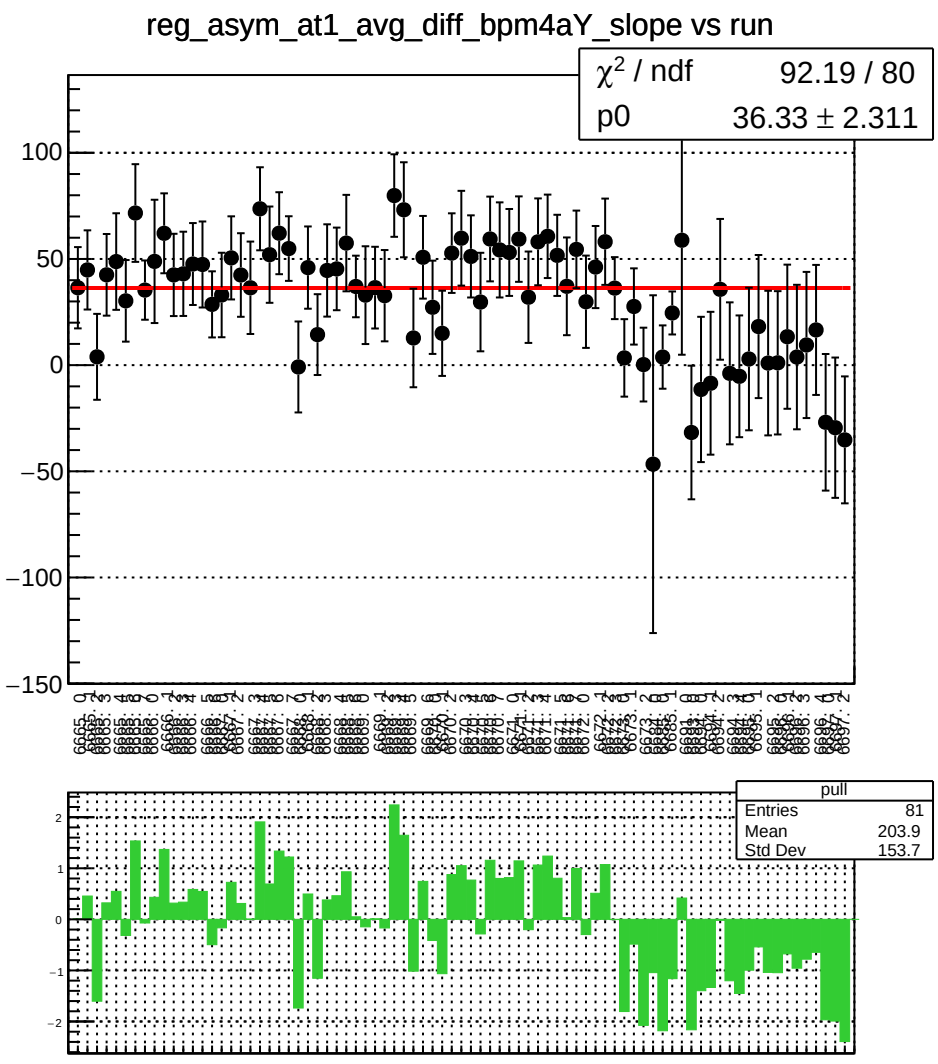

pull1D
Entries 81
Mean 0.1153
Std Dev 0.6889
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

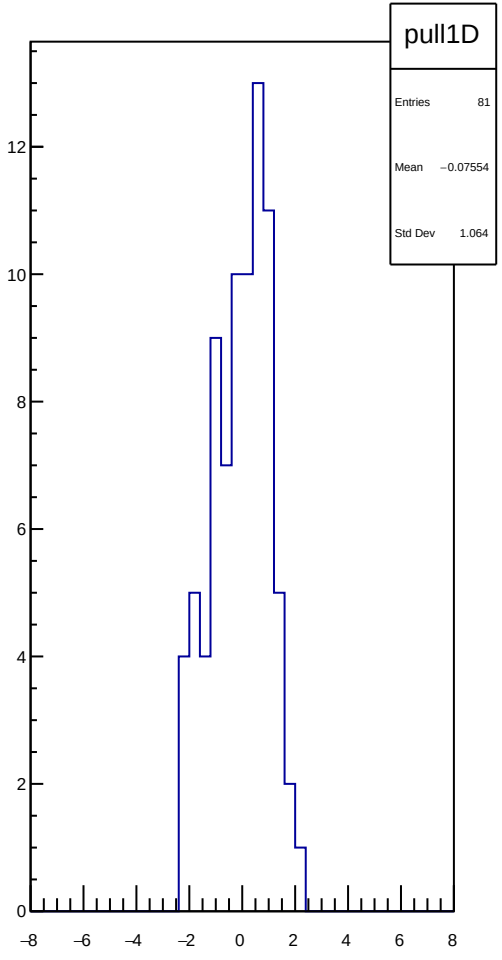

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 138.2 / 80
p0 127.6 ± 0.1866
pull
Entries 81
Mean 605.8
Std Dev 553.6

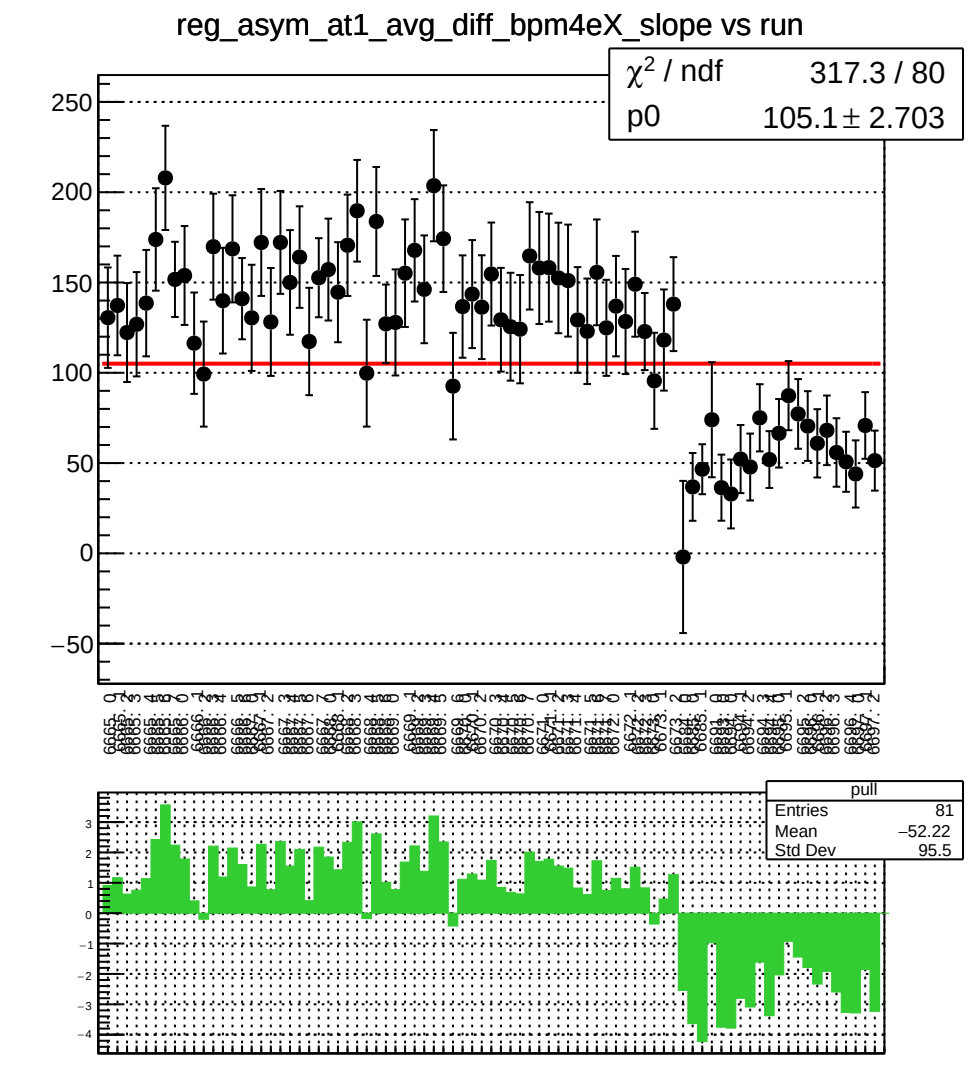

pull1D
Entries 81
Mean −0.02544
Std Dev 1.306

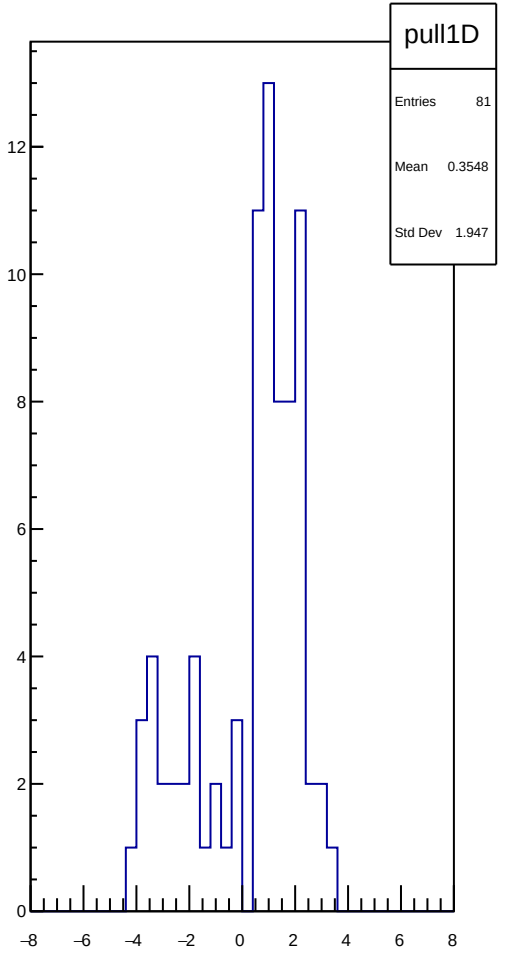

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 209.1 / 80
p0 −106.9 ± 2.619
50
0
−50
−100
−150
−200
pull
Entries 81
Mean −101
Std Dev 145.3
3
2
1
0
−1
−2
−3

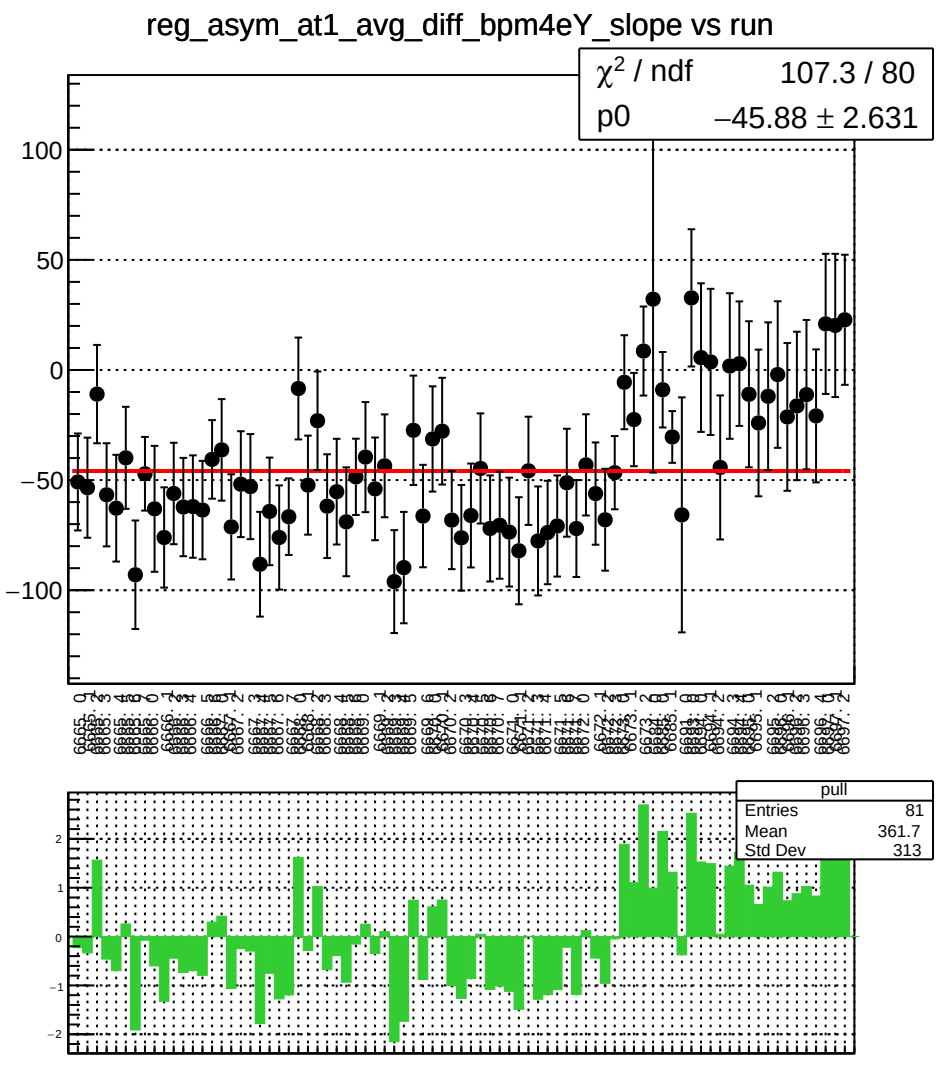

pull1D
Entries 81
Mean −0.1811
Std Dev 1.596
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

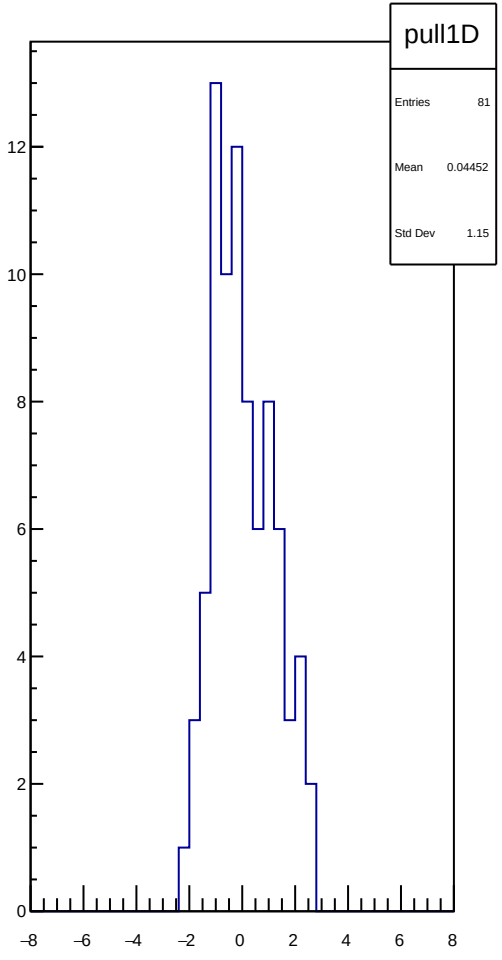

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 92.19 / 80
p0 36.33 ± 2.311
pull
Entries 81
Mean 203.9
Std Dev 153.7

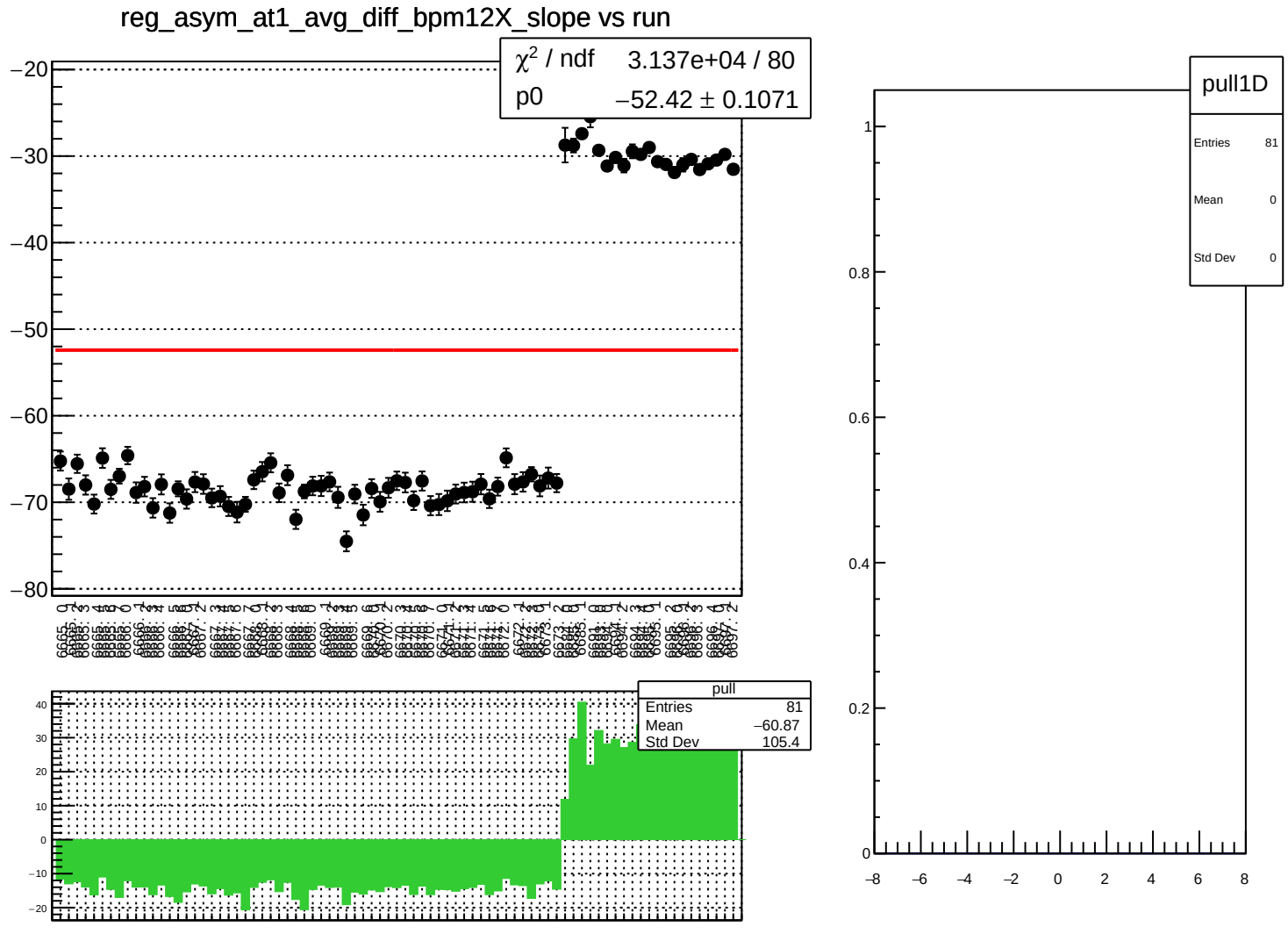

pull1D
Entries 81
Mean −0.07554
Std Dev 1.064

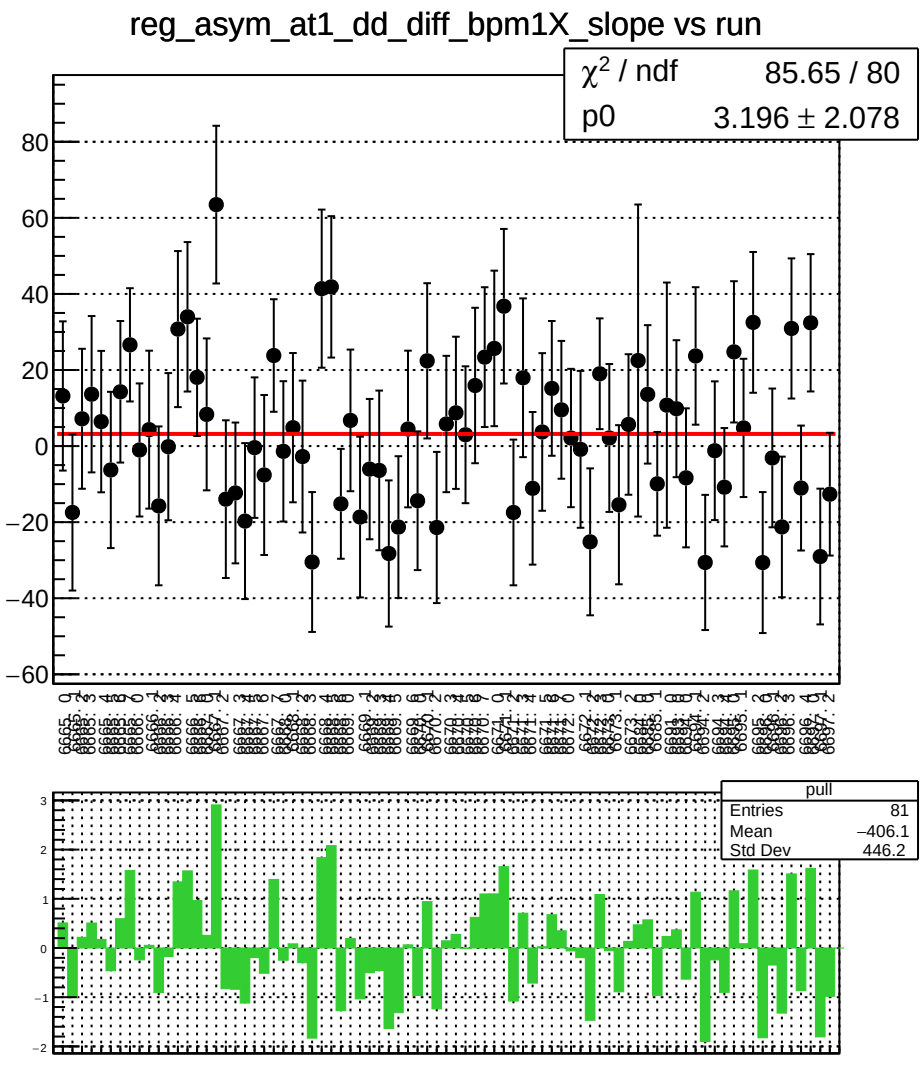

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 317.3 / 80
p0 105.1 ± 2.703
250
200
150
100
50
0
−50
pull
Entries 81
Mean −52.22
Std Dev 95.5
3
2
1
0
−1
−2
−3
−4

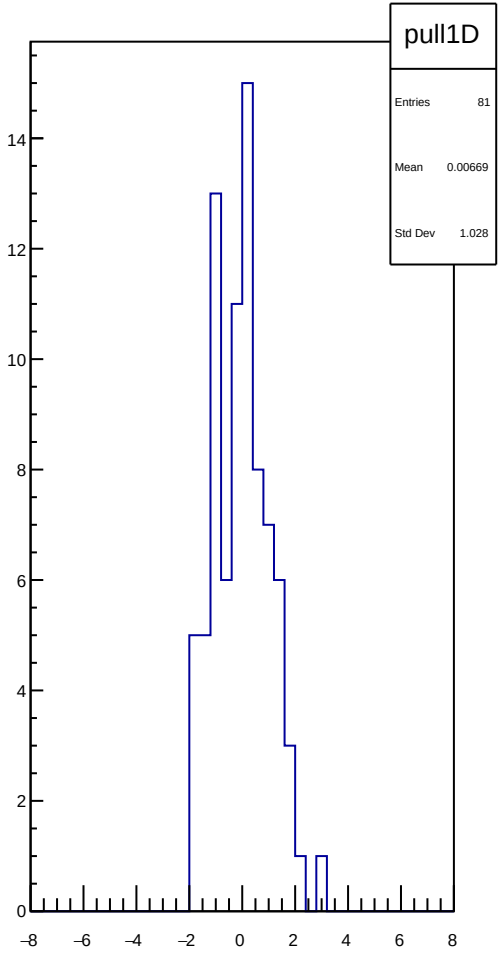

pull1D
Entries 81
Mean 0.3548
Std Dev 1.947
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

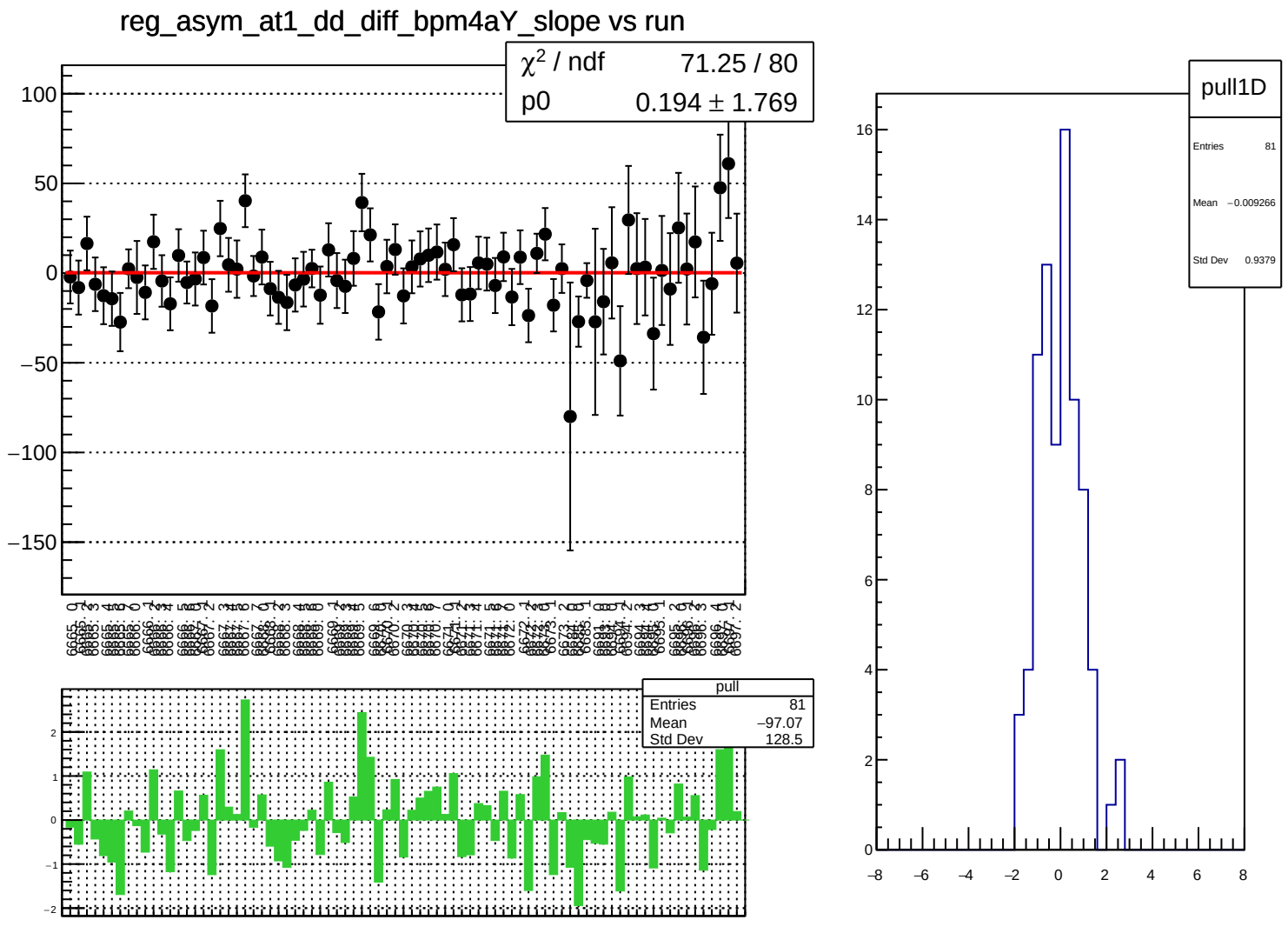

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 107.3 / 80
p0 −45.88 ± 2.631
100
50
0
−50
−100
pull
Entries 81
Mean 361.7
Std Dev 313
2
1
0
−1
−2

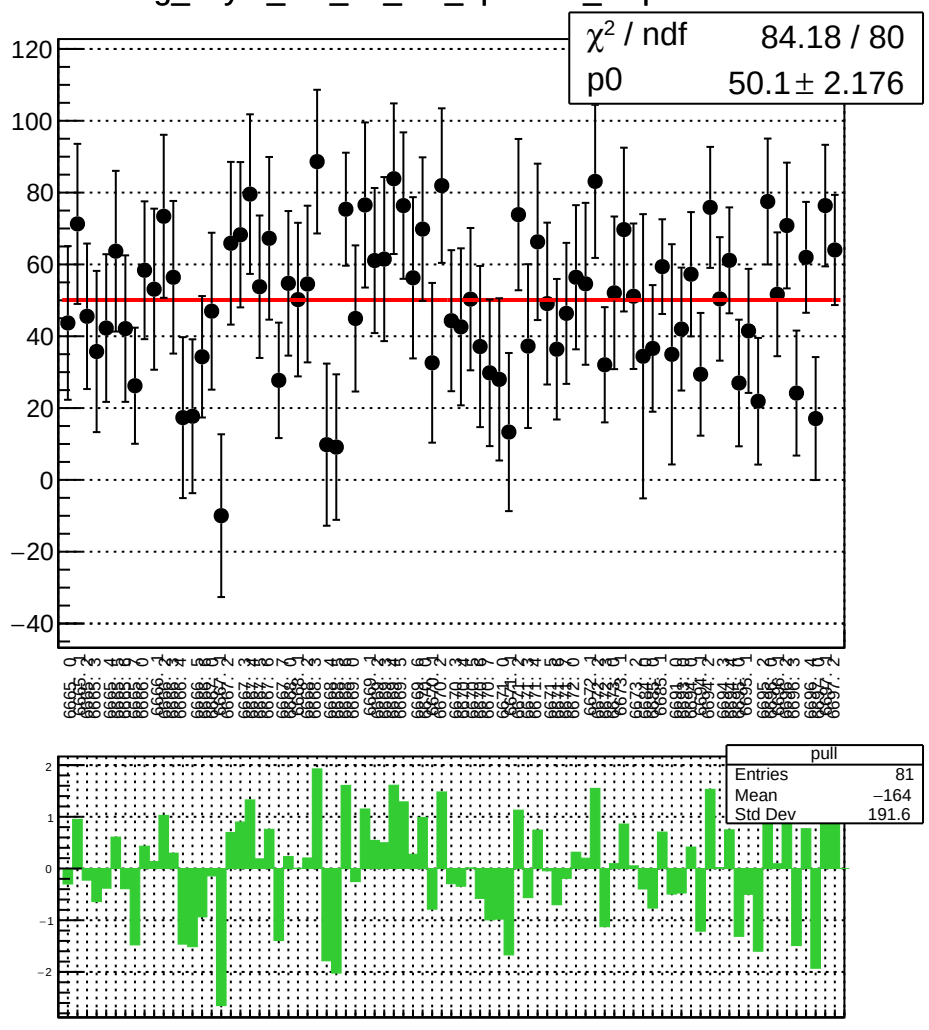

pull1D
Entries 81
Mean 0.04452
Std Dev 1.15
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

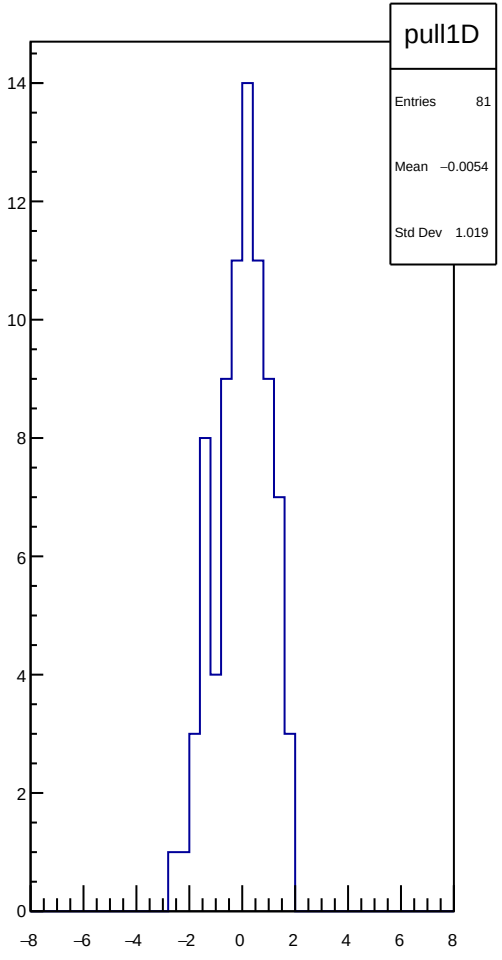

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 3.137e+04 / 80
p0 −52.42 ± 0.1071
pull
Entries 81
Mean −60.87
Std Dev 105.4
pull1D
Entries 81
Mean 0
Std Dev 0

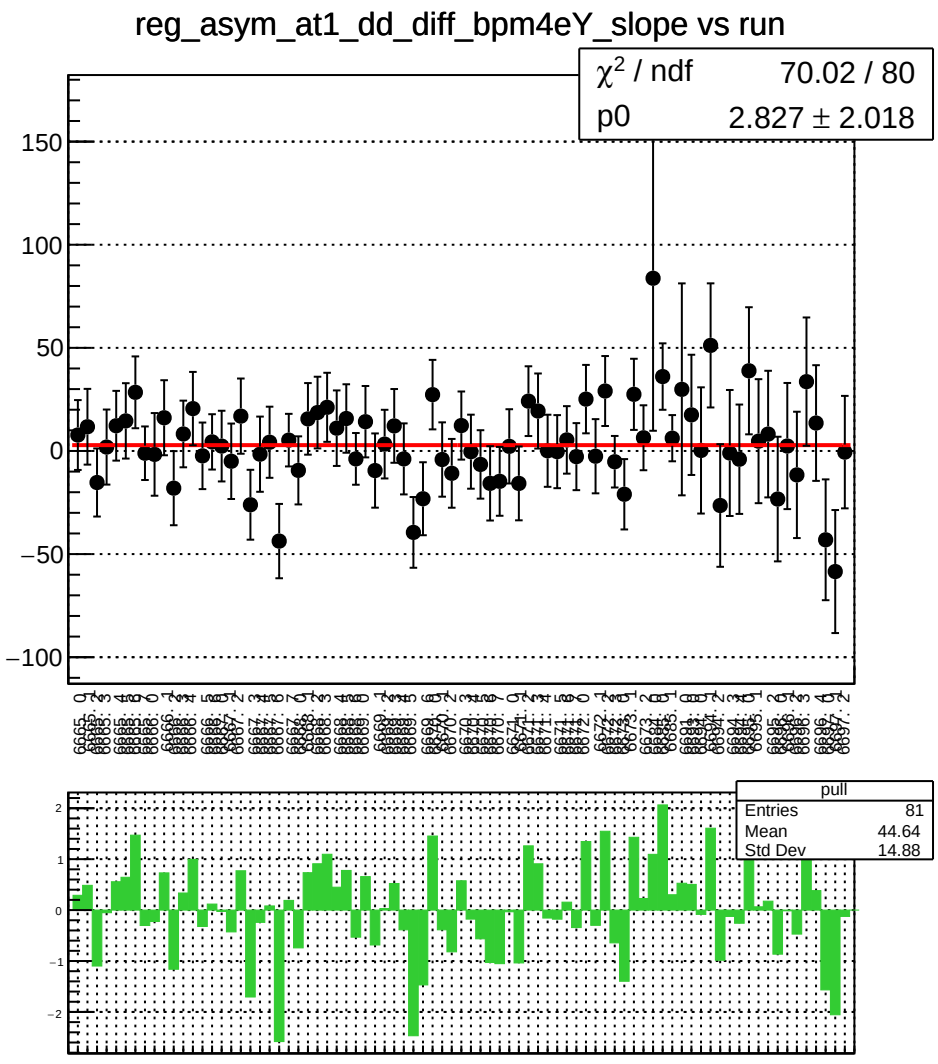

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 85.65 / 80
p0 3.196 ± 2.078
pull
Entries 81
Mean −406.1
Std Dev 446.2

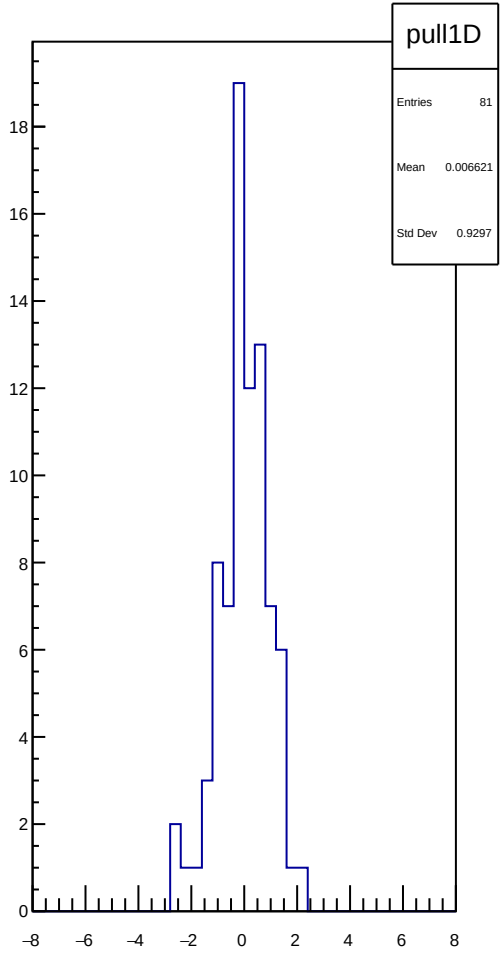

pull1D
Entries 81
Mean 0.00669
Std Dev 1.028

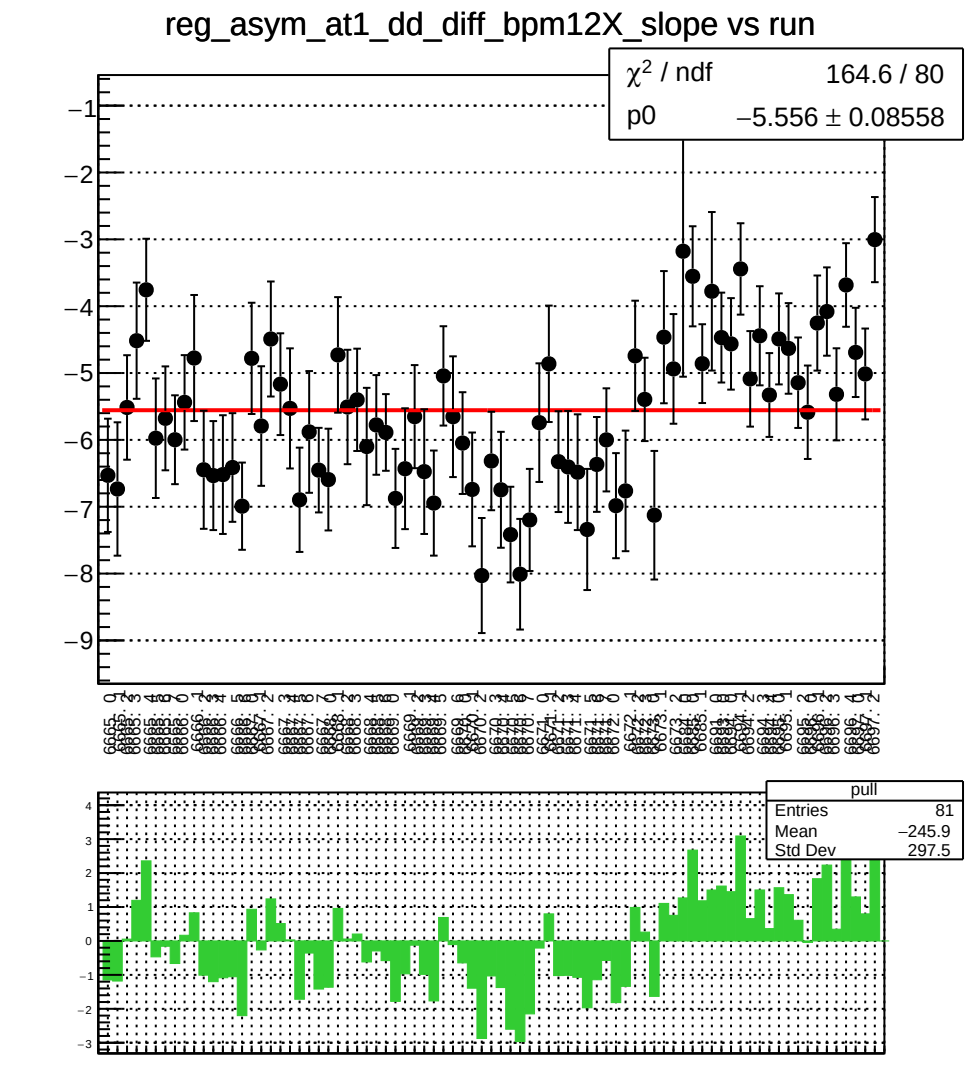

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.25 / 80
p0 0.194 ± 1.769
pull
Entries 81
Mean −97.07
Std Dev 128.5
pull1D
Entries 81
Mean −0.009266
Std Dev 0.9379

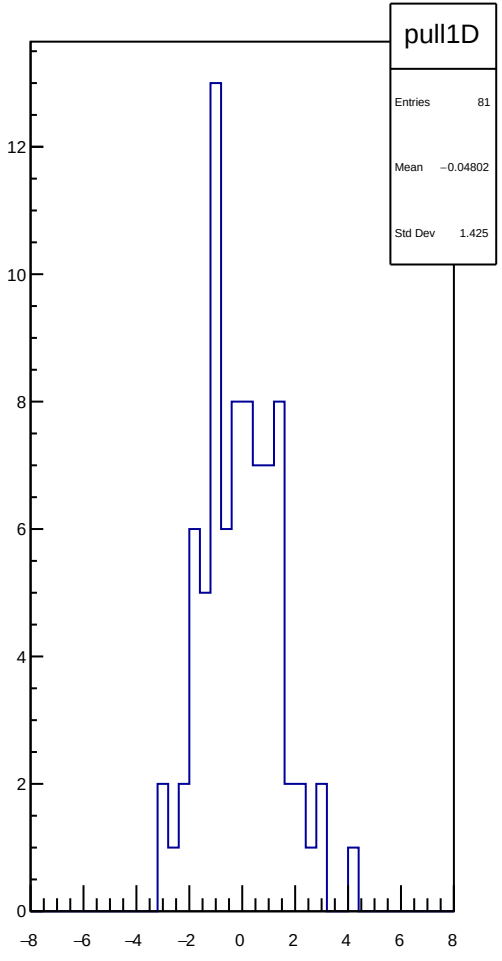

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.18 / 80
p0 50.1 ± 2.176
pull
Entries 81
Mean −164
Std Dev 191.6

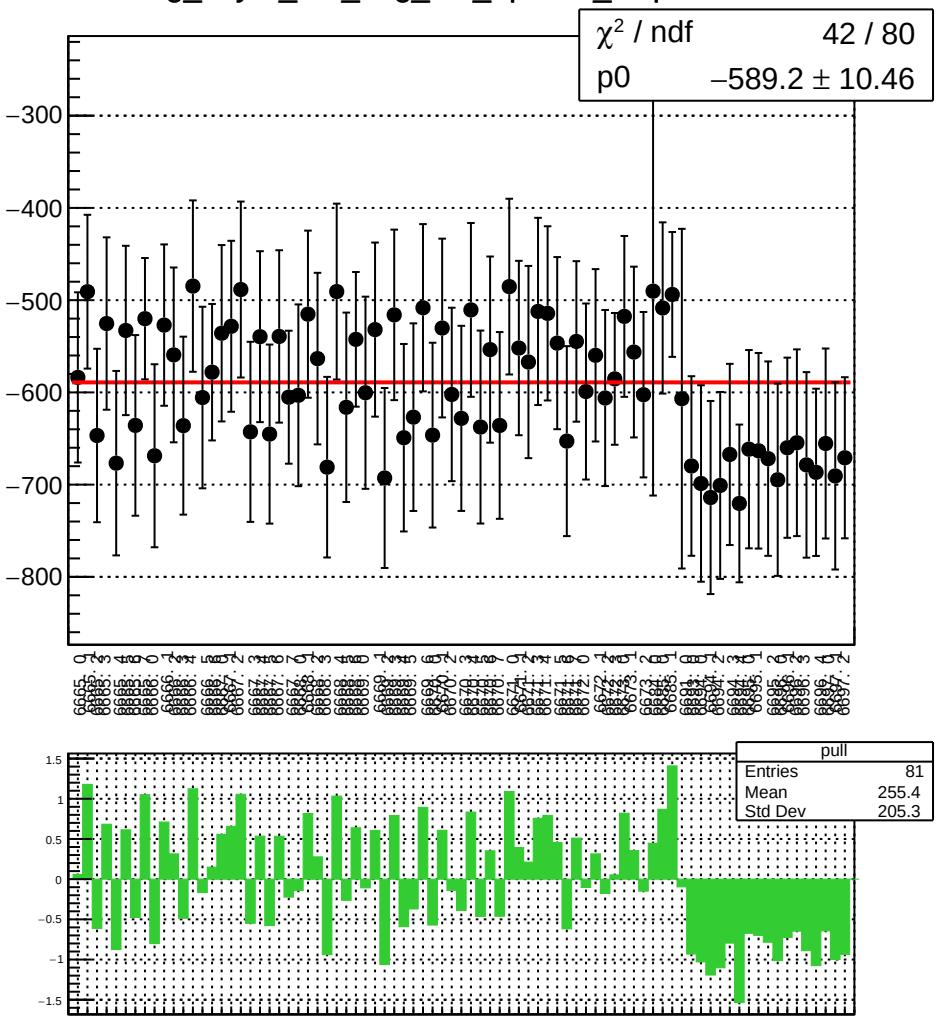

pull1D
Entries 81
Mean −0.0054
Std Dev 1.019

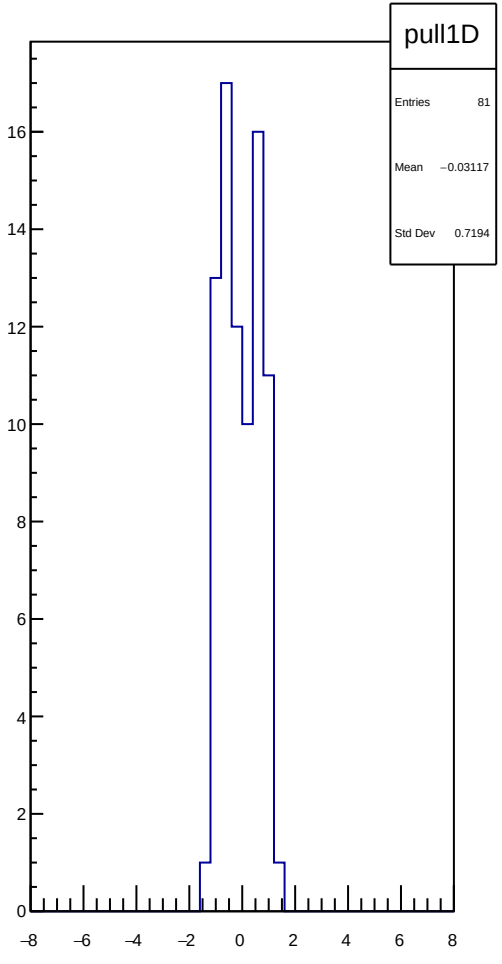

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.02 / 80
p0 2.827 ± 2.018
150
100
50
0
−50
−100
pull
Entries 81
Mean 44.64
Std Dev 14.88
2
1
0
−1
−2

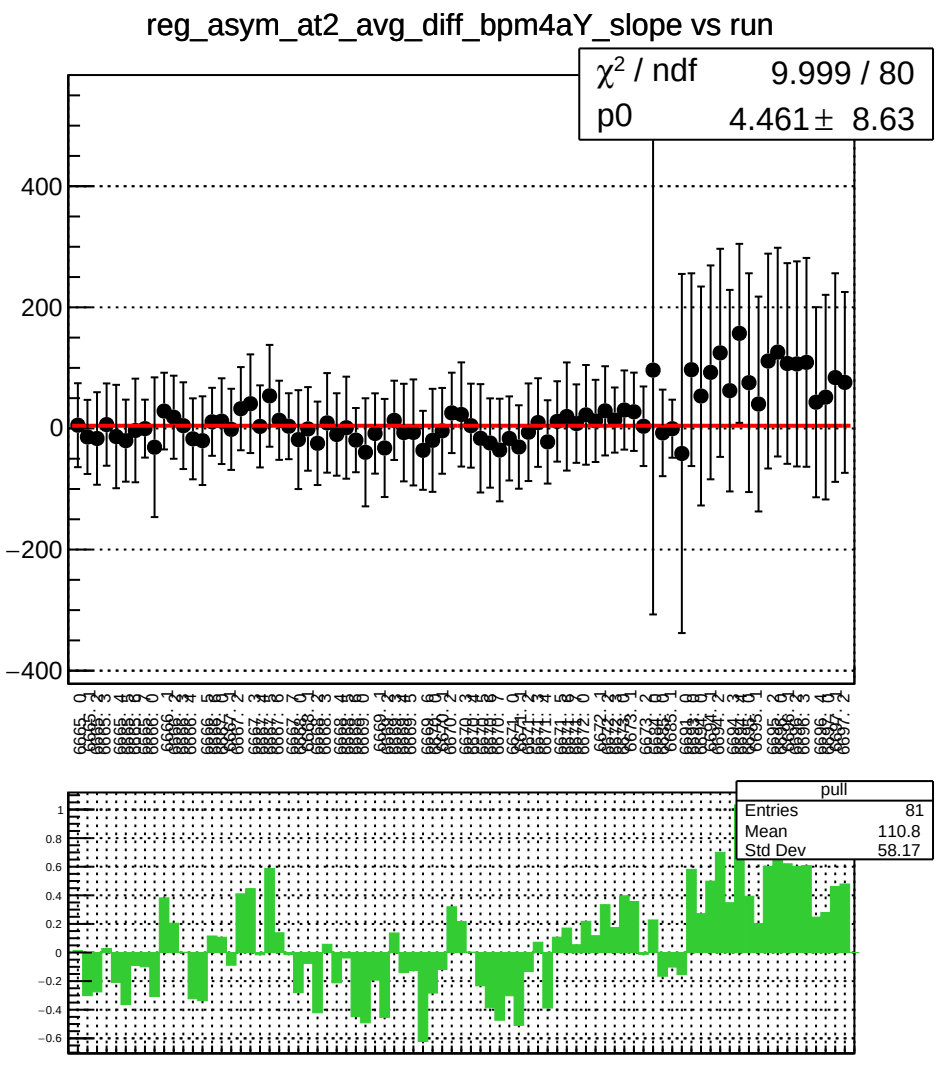

pull1D
Entries 81
Mean 0.006621
Std Dev 0.9297
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

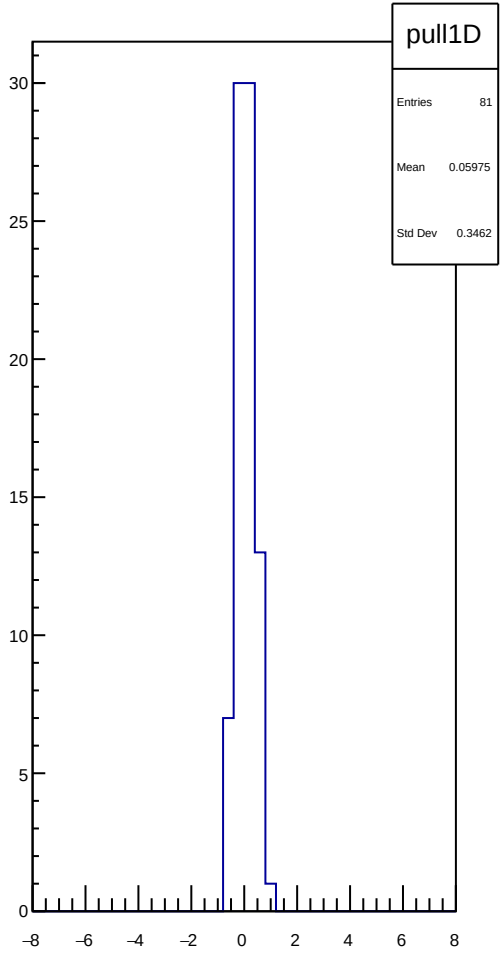

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 164.6 / 80
p0 −5.556 ± 0.08558
pull
Entries 81
Mean −245.9
Std Dev 297.5

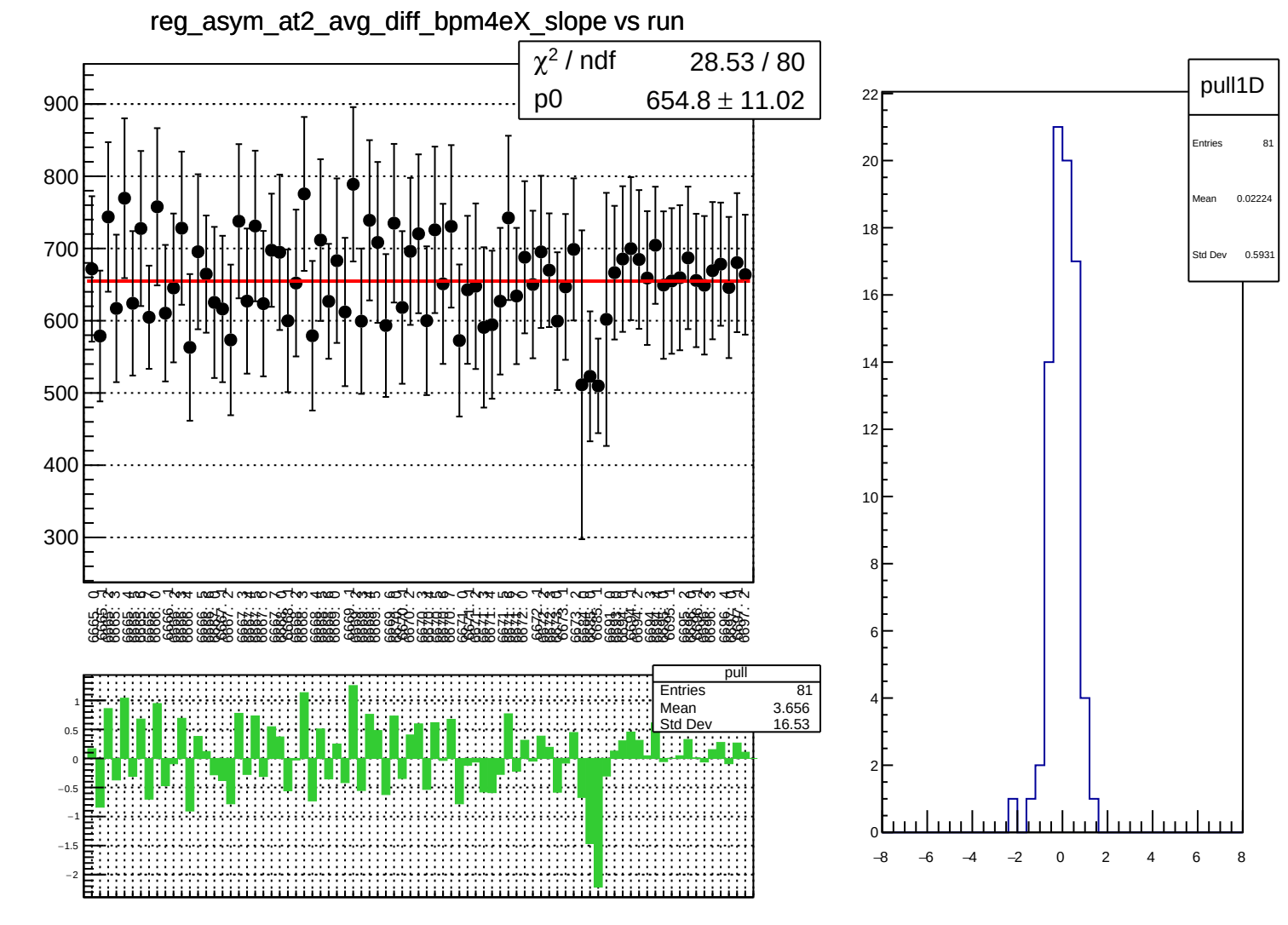

pull1D
Entries 81
Mean −0.04802
Std Dev 1.425

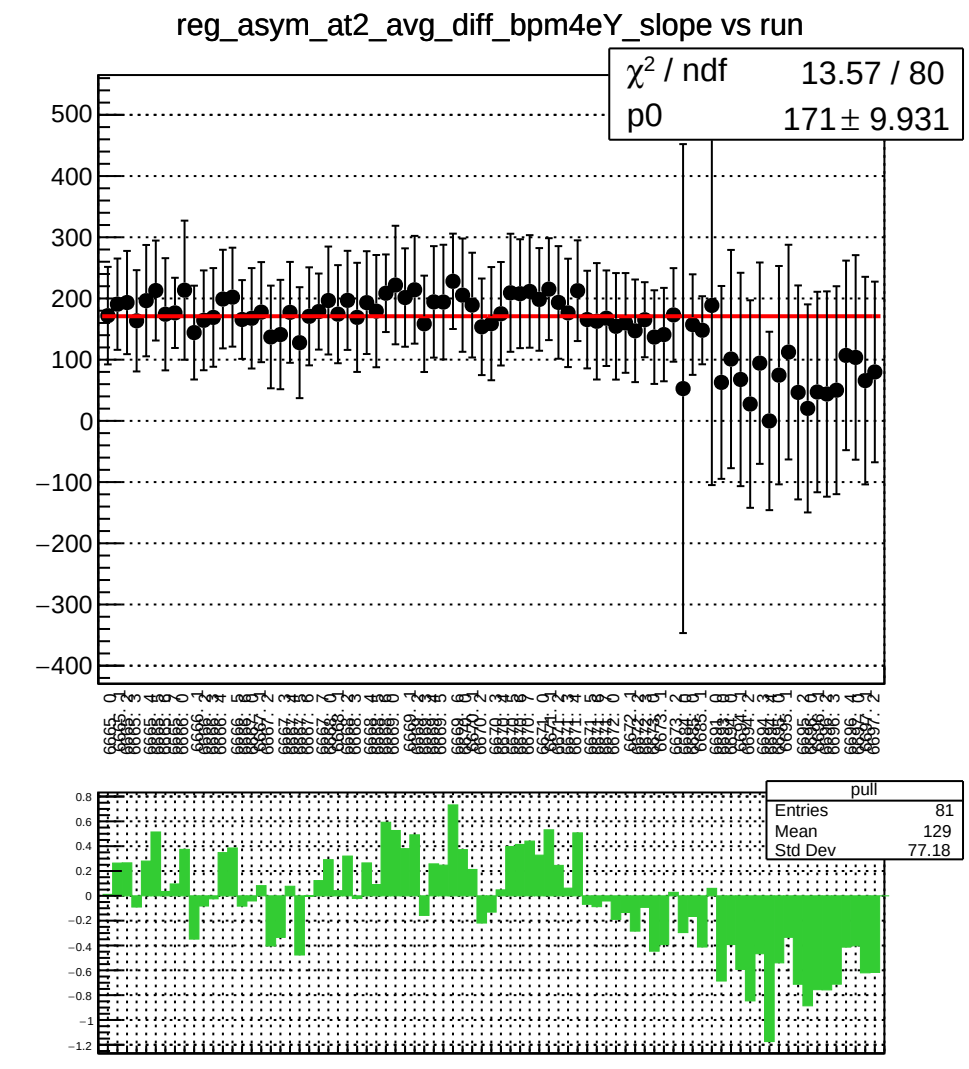

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 42 / 80
p0 −589.2 ± 10.46
−300
−400
−500
−600
−700
−800
pull
Entries 81
Mean 255.4
Std Dev 205.3
1.5
1
0.5
0
−0.5
−1
−1.5

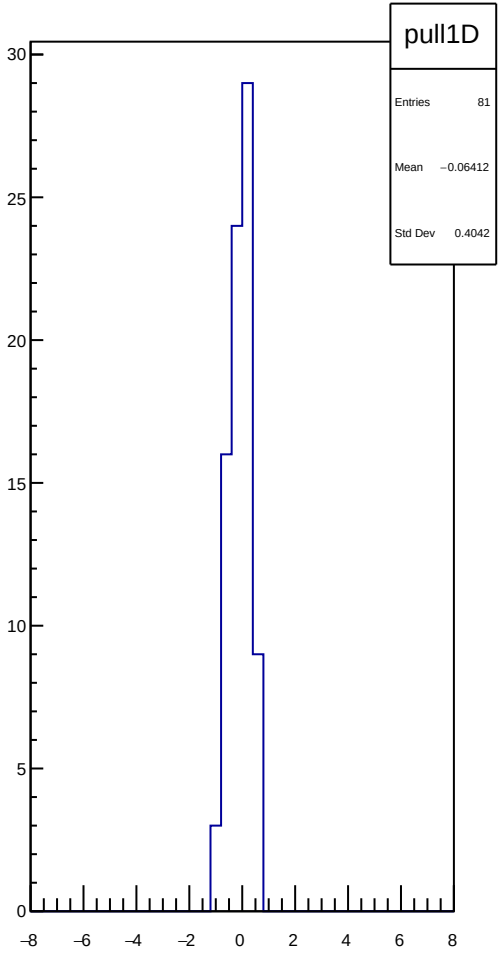

pull1D
Entries 81
Mean −0.03117
Std Dev 0.7194
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

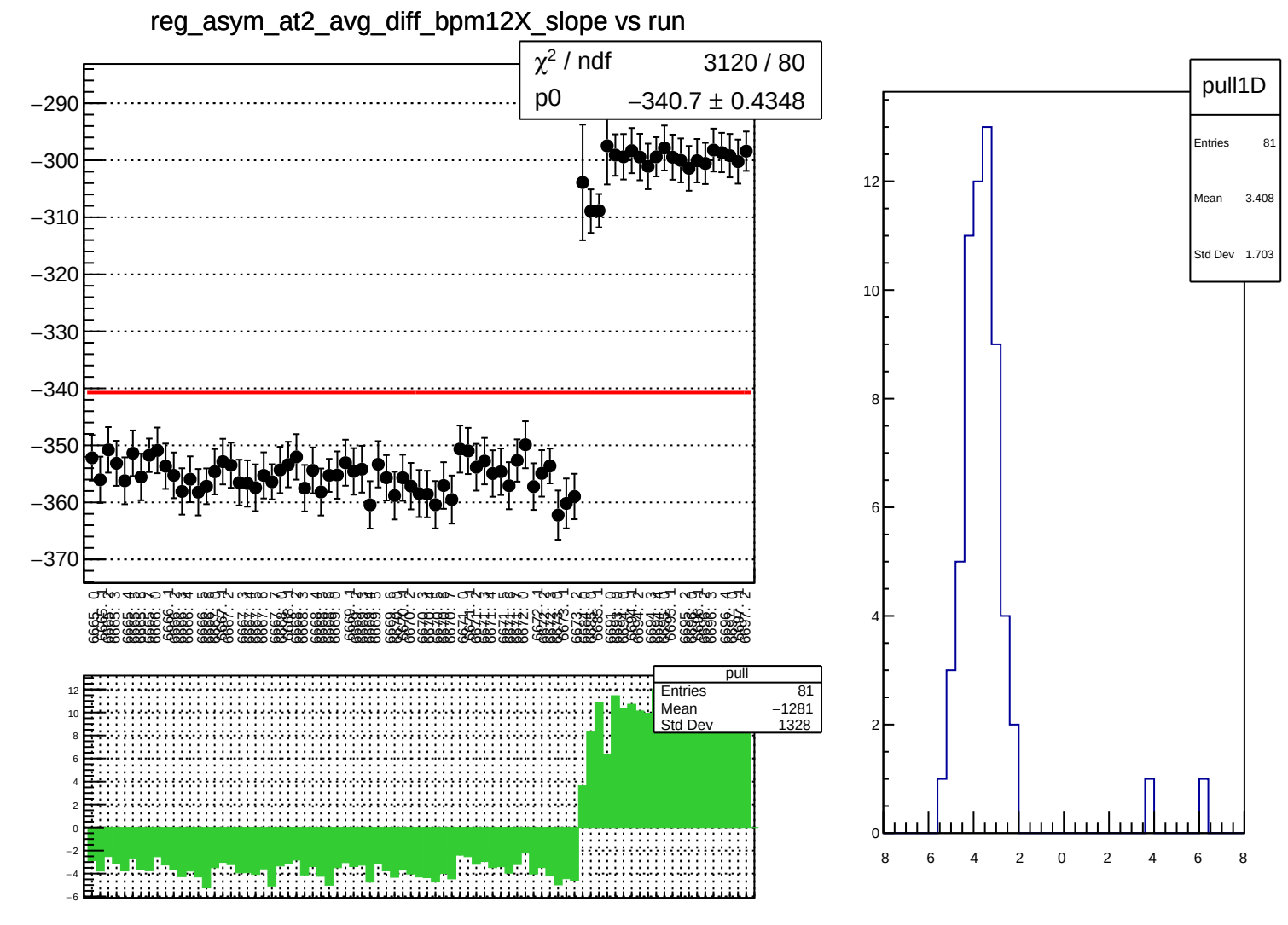

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.999 / 80
p0 4.461 ± 8.63
400
200
0
−200
−400
pull
Entries 81
Mean 110.8
Std Dev 58.17
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

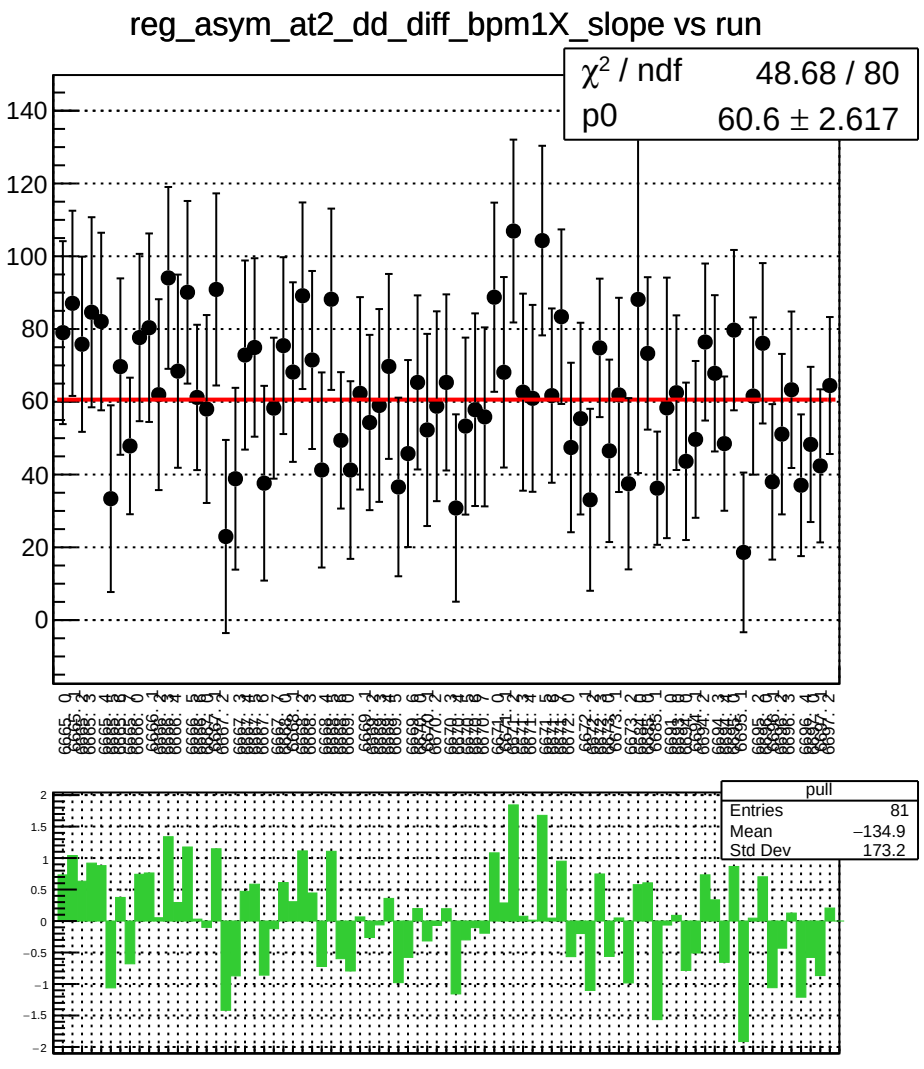

pull1D
Entries 81
Mean 0.05975
Std Dev 0.3462
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

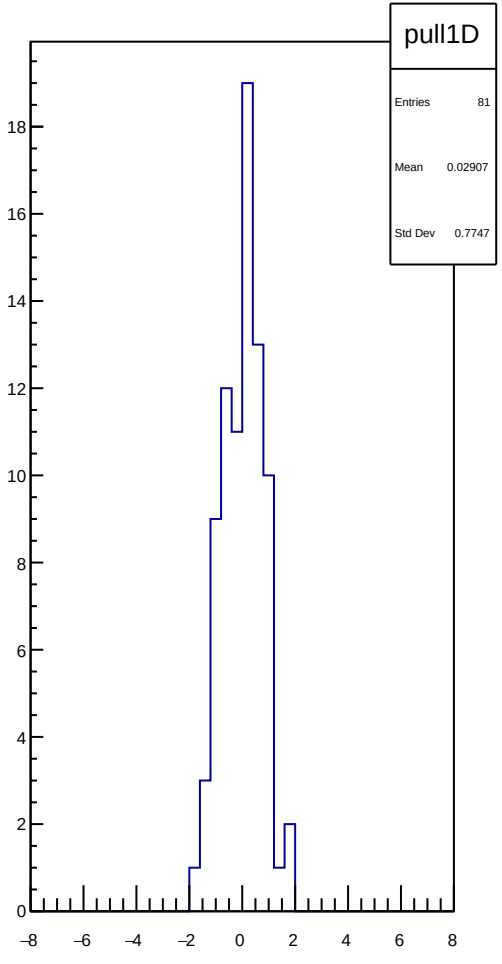

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.53 / 80
p0 654.8 ± 11.02
900
800
700
600
500
400
300
pull
Entries 81
Mean 3.656
Std Dev 16.53
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.02224
Std Dev 0.5931
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

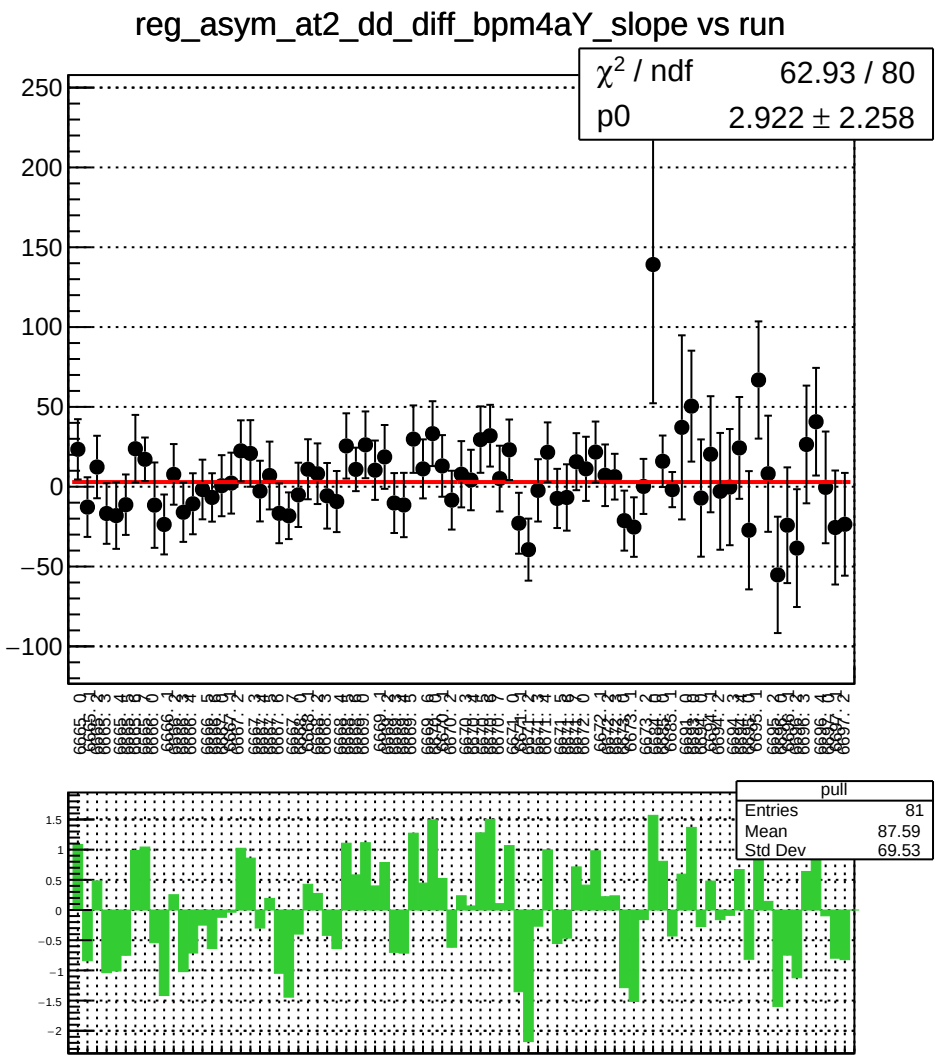

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.57 / 80
p0 171 ± 9.931
pull
Entries 81
Mean 129
Std Dev 77.18

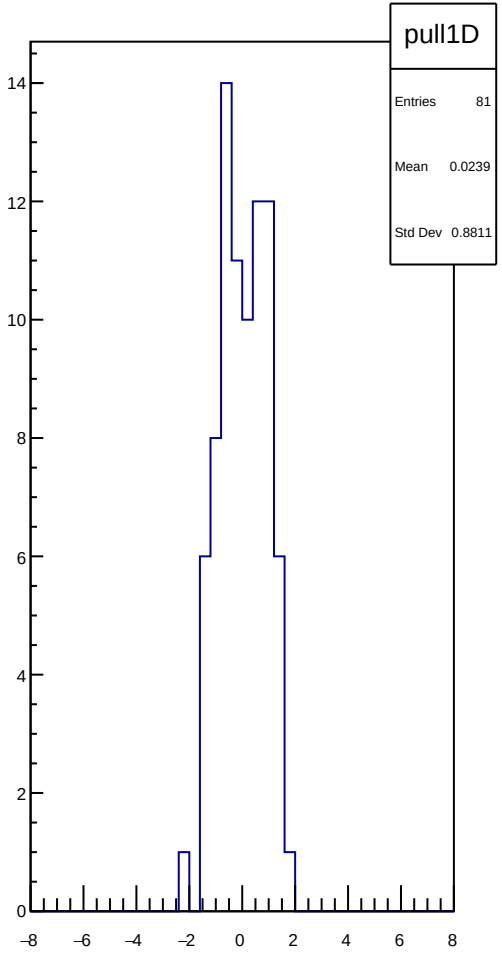

pull1D
Entries 81
Mean −0.06412
Std Dev 0.4042

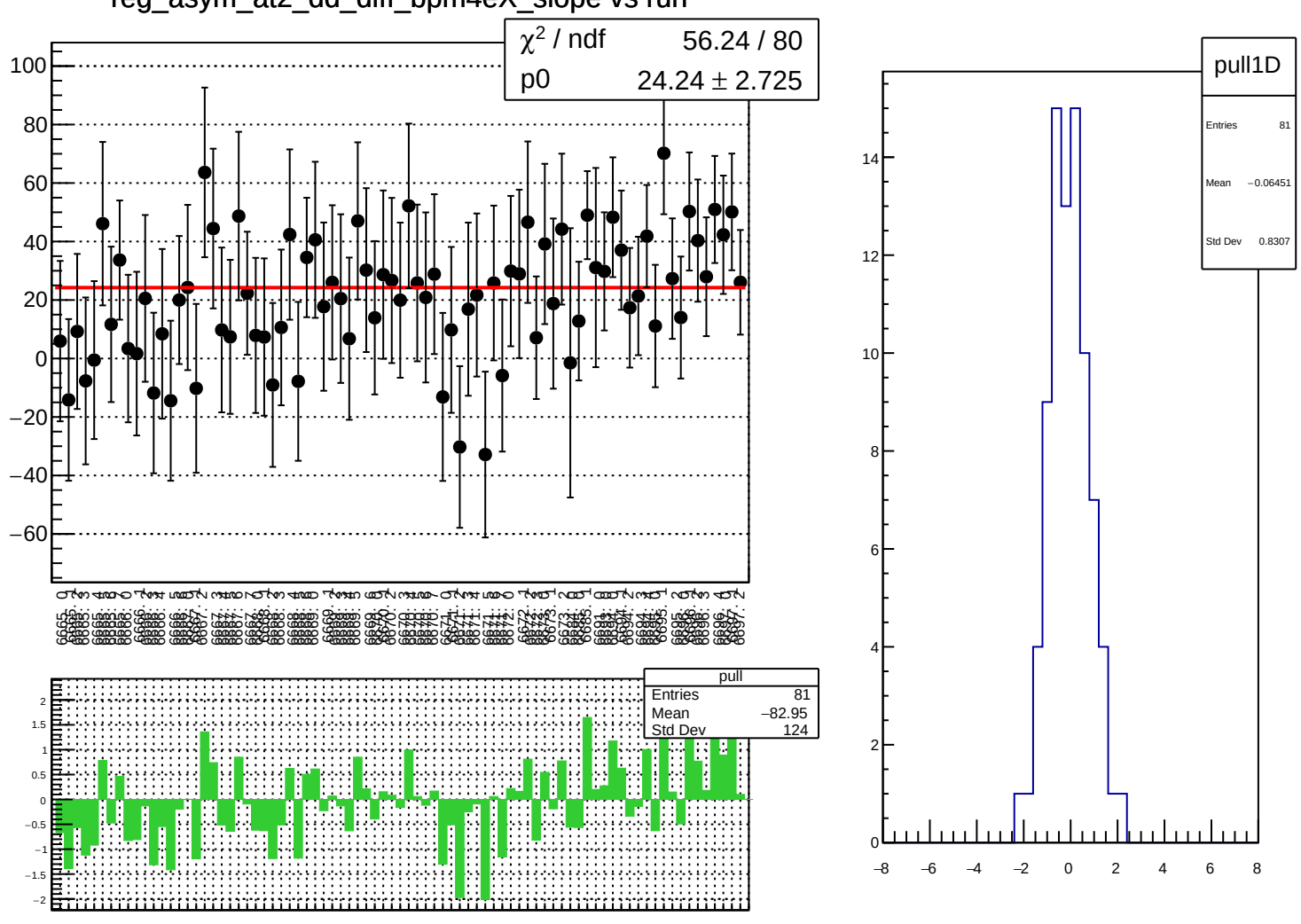

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 3120 / 80
p0 −340.7 ± 0.4348
pull
Entries 81
Mean −1281
Std Dev 1328
pull1D
Entries 81
Mean −3.408
Std Dev 1.703

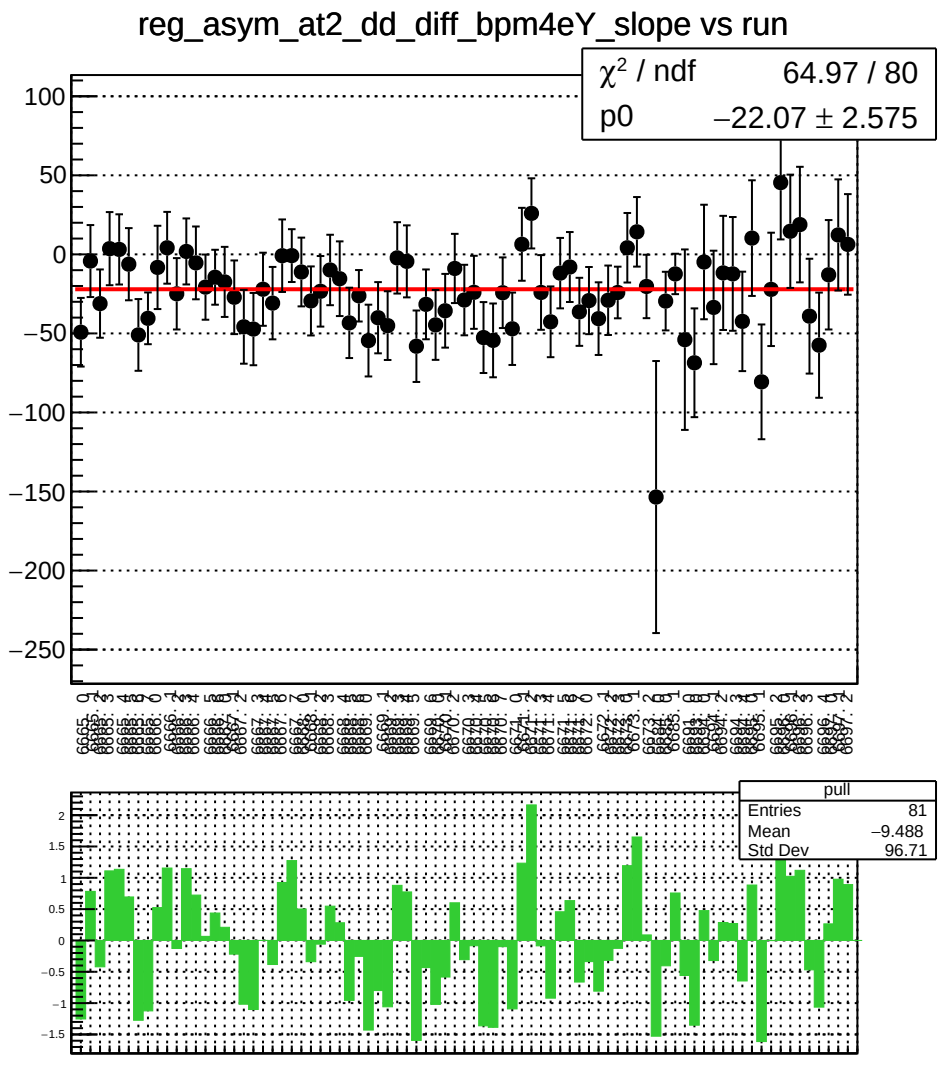

reg_asym_at2_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 48.68 / 80
p0 60.6 ± 2.617
pull
Entries 81
Mean −134.9
Std Dev 173.2

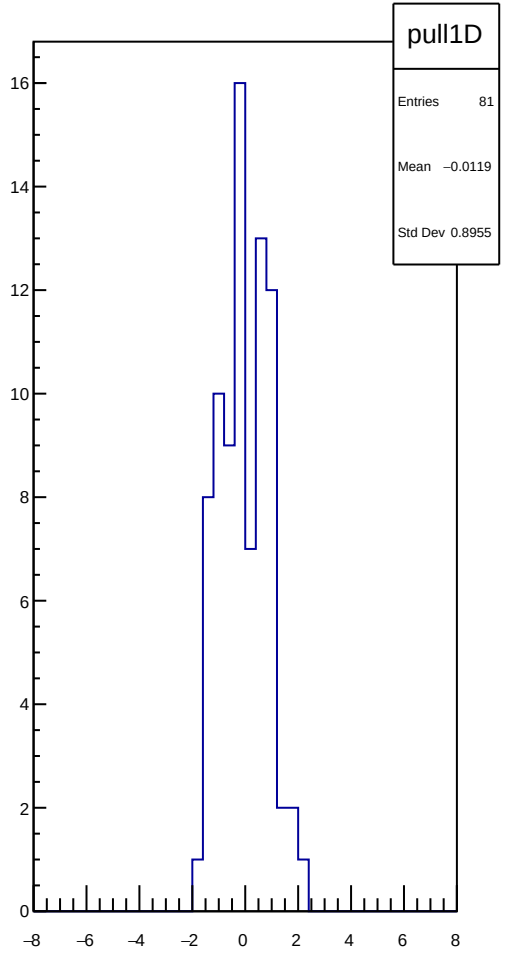

pull1D
Entries 81
Mean 0.02907
Std Dev 0.7747

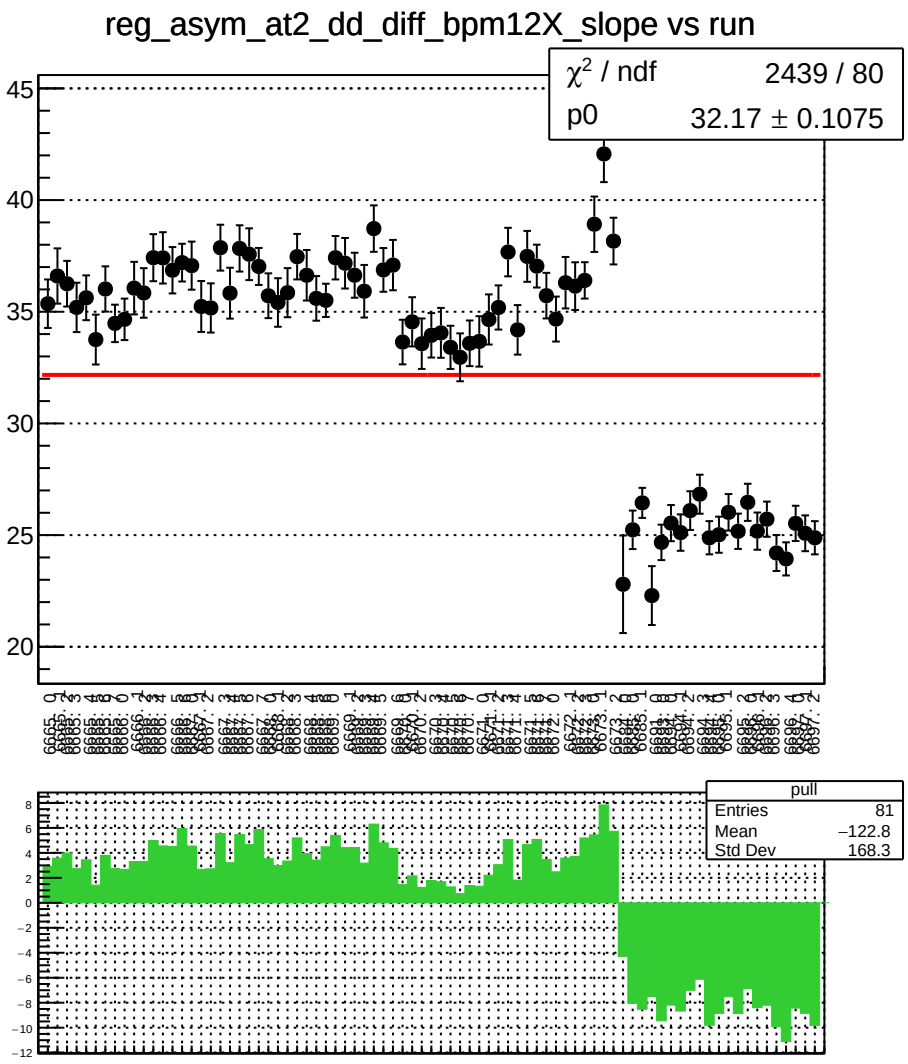

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.93 / 80
p0 2.922 ± 2.258
pull
Entries 81
Mean 87.59
Std Dev 69.53

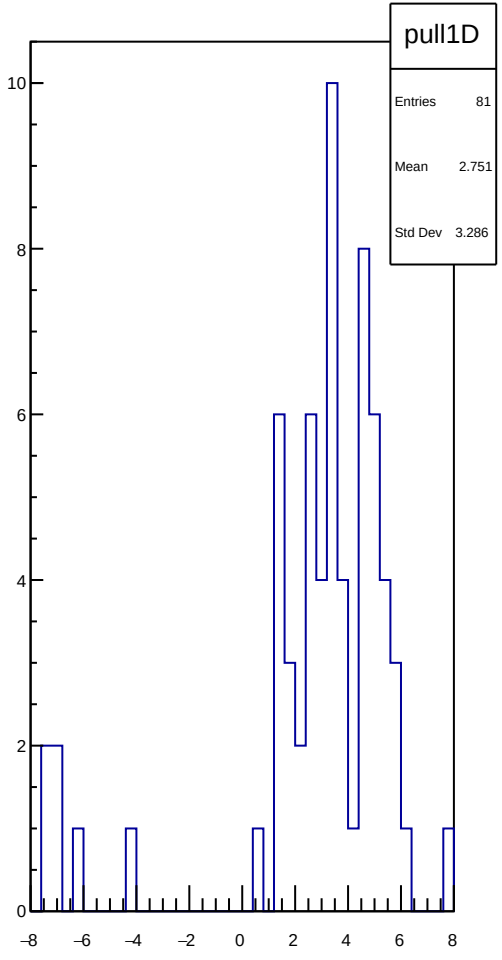

pull1D
Entries 81
Mean 0.0239
Std Dev 0.8811

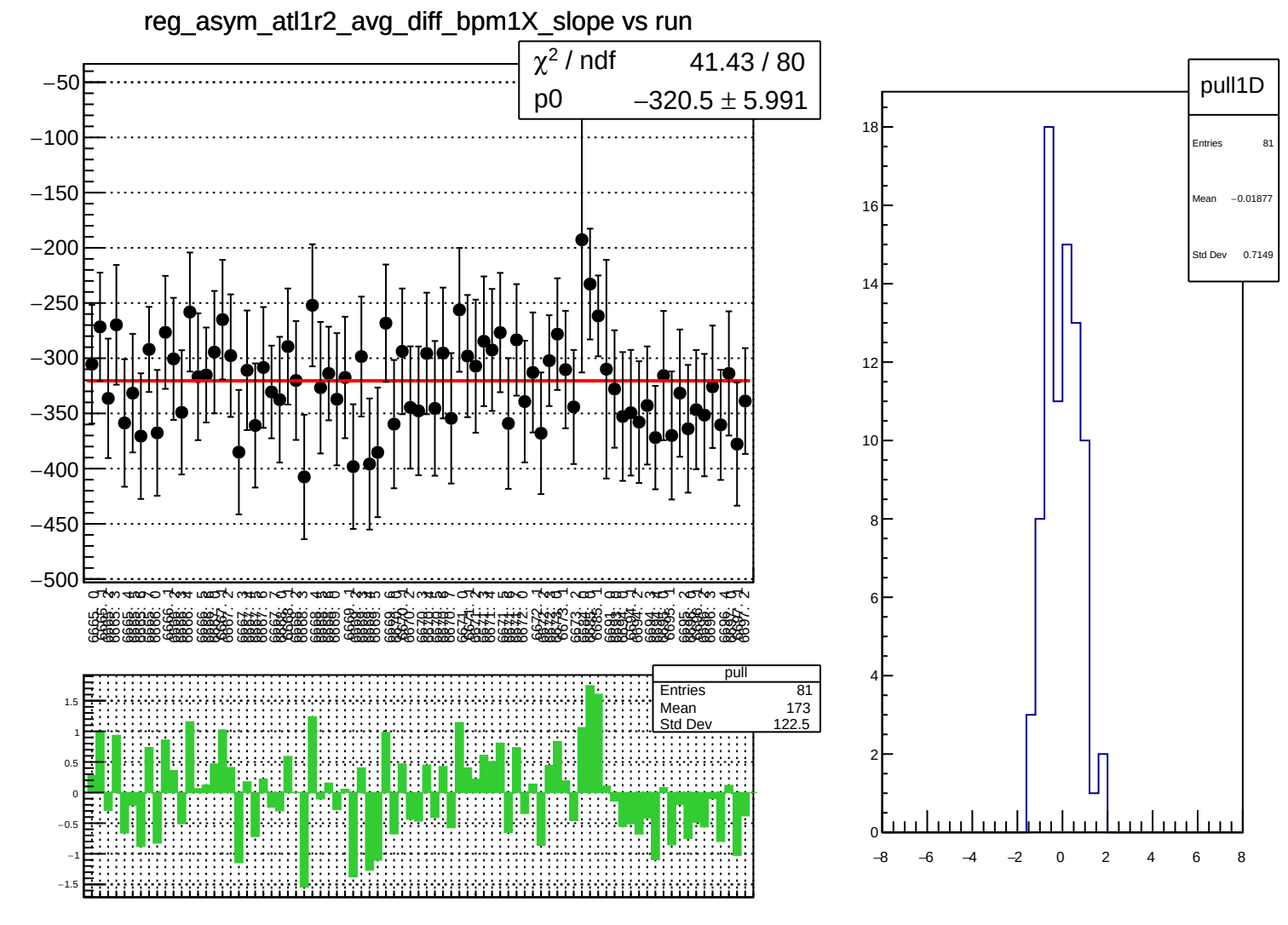

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.24 / 80
p0 24.24 ± 2.725
pull
Entries 81
Mean −82.95
Std Dev 124
pull1D
Entries 81
Mean −0.06451
Std Dev 0.8307

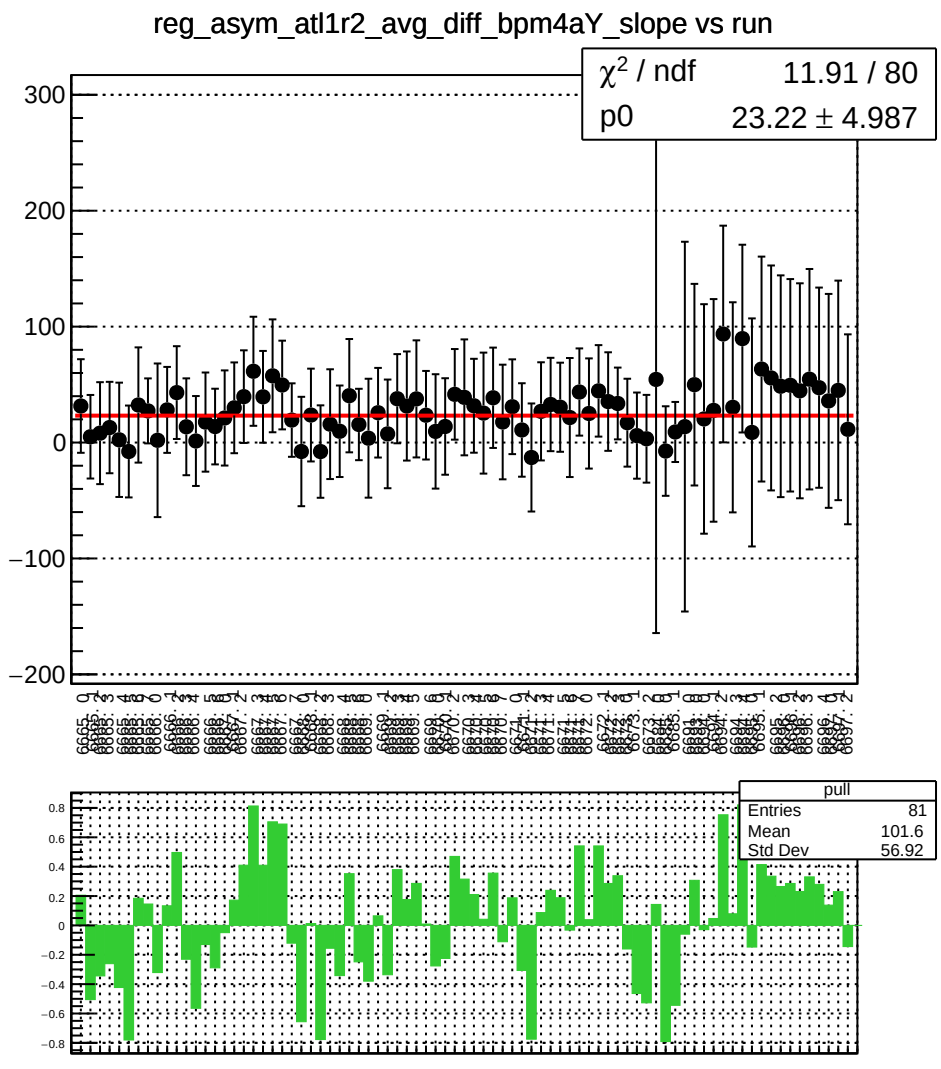

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.97 / 80
p0 −22.07 ± 2.575
pull
Entries 81
Mean −9.488
Std Dev 96.71

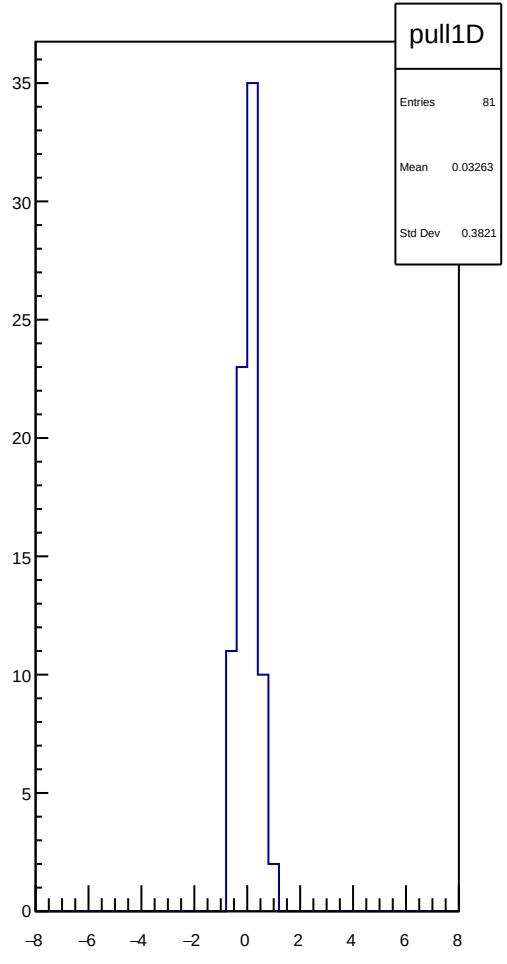

pull1D
Entries 81
Mean −0.0119
Std Dev 0.8955

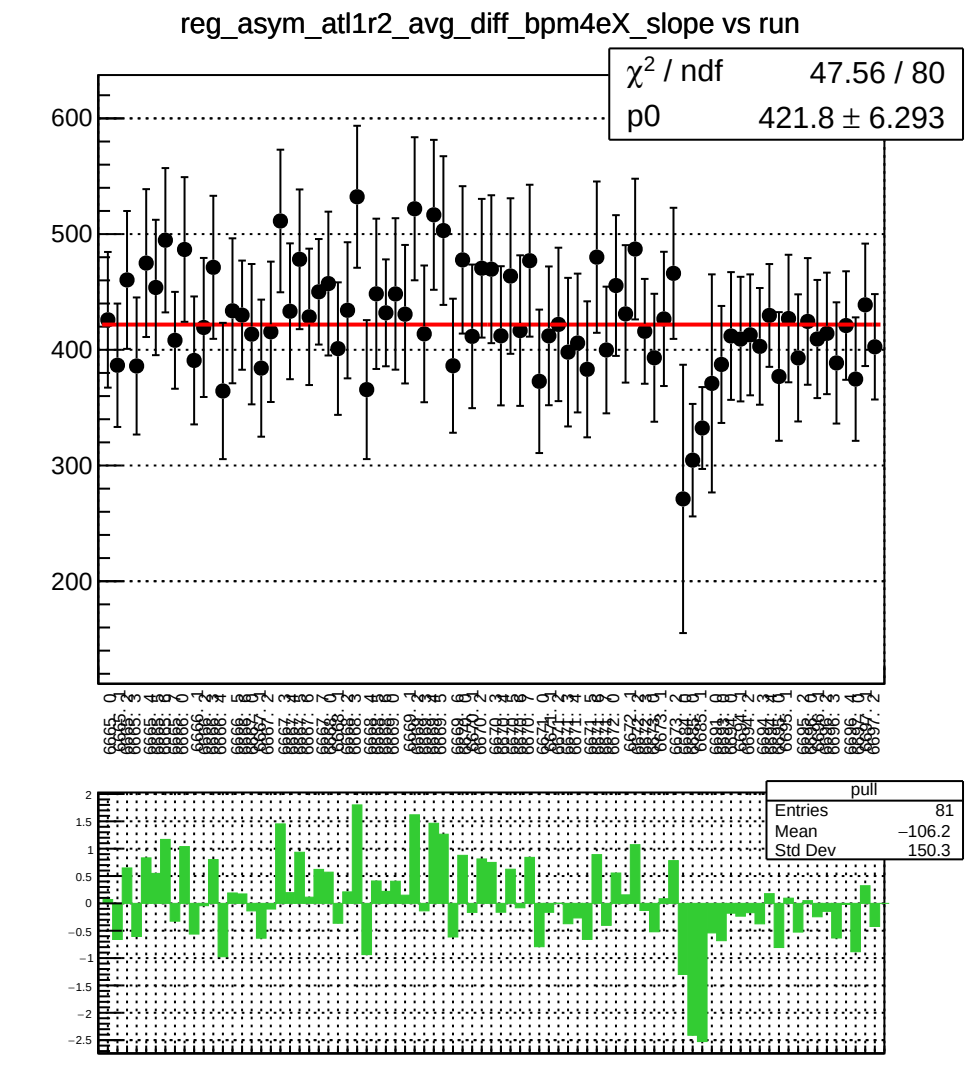

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 2439 / 80
p0 32.17 ± 0.1075
pull
Entries 81
Mean −122.8
Std Dev 168.3

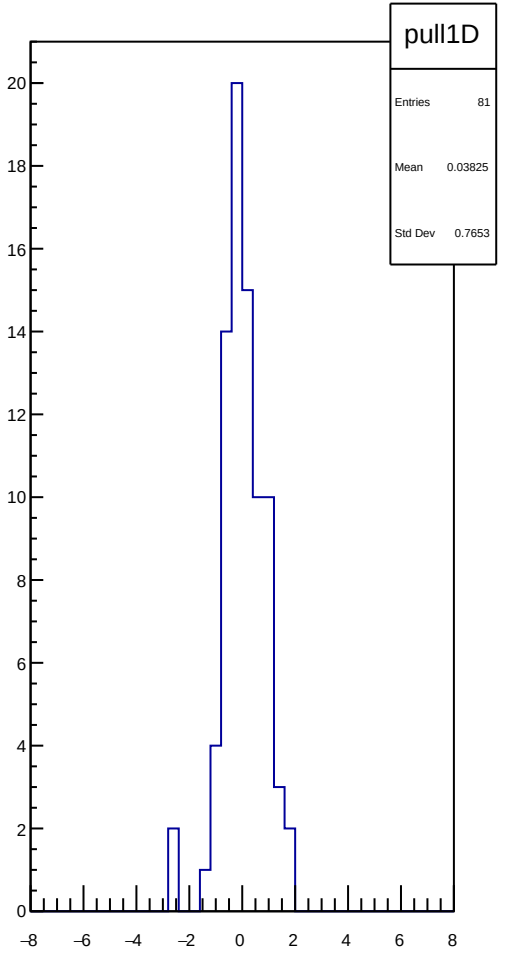

pull1D
Entries 81
Mean 2.751
Std Dev 3.286

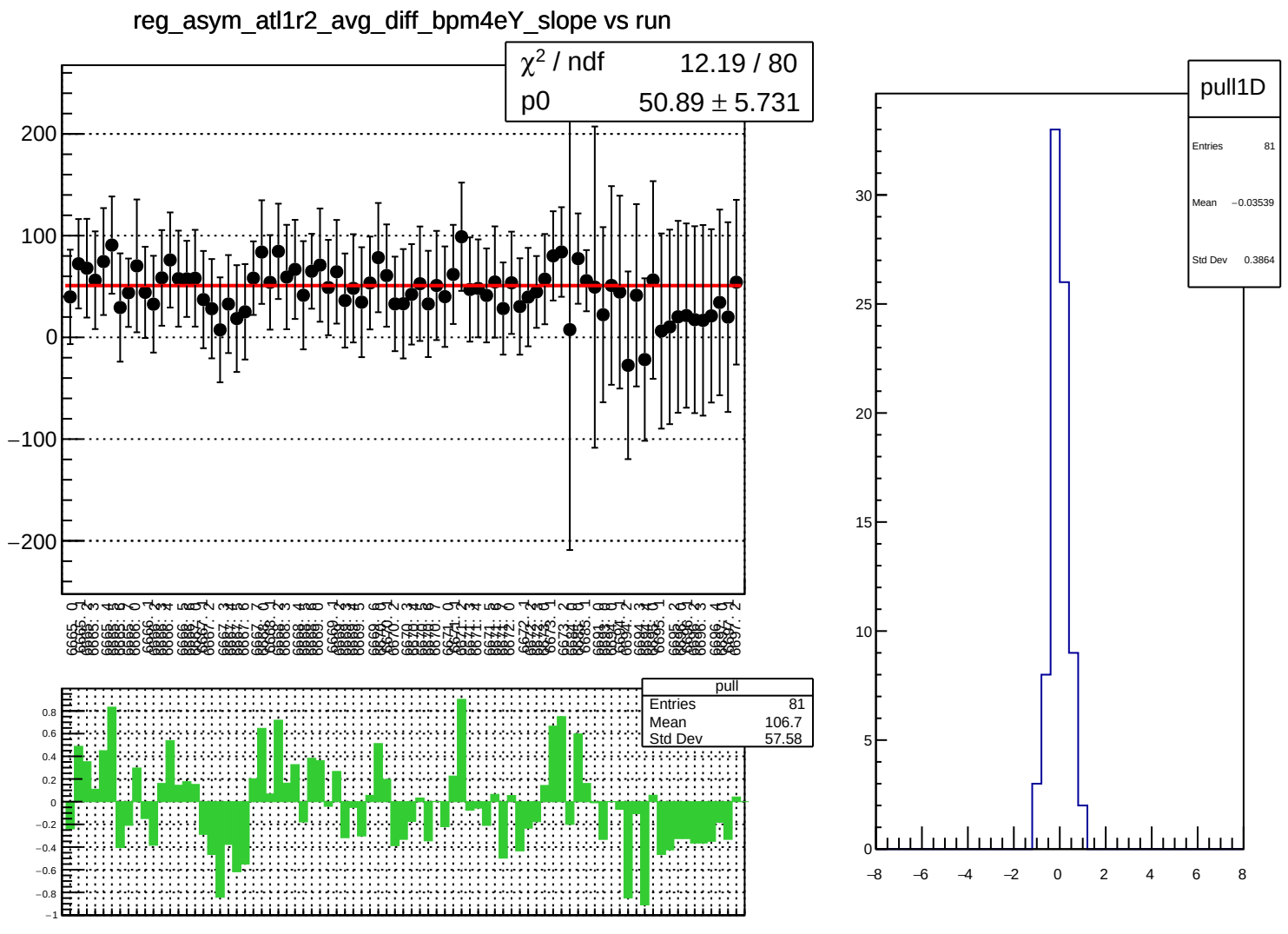

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 41.43 / 80
p0 −320.5 ± 5.991
pull
Entries 81
Mean 173
Std Dev 122.5
pull1D
Entries 81
Mean −0.01877
Std Dev 0.7149

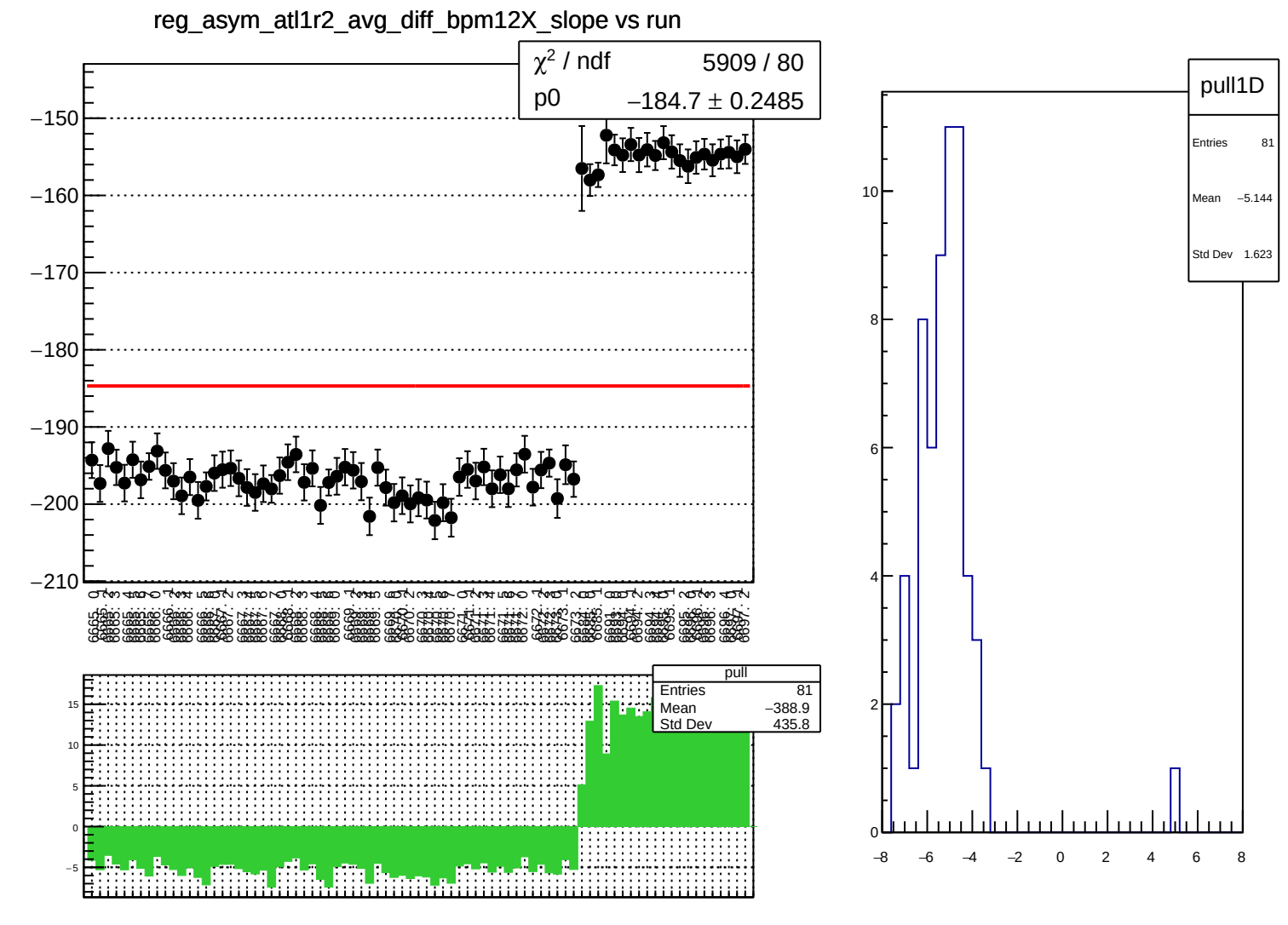

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.91 / 80
p0 23.22 ± 4.987
pull
Entries 81
Mean 101.6
Std Dev 56.92

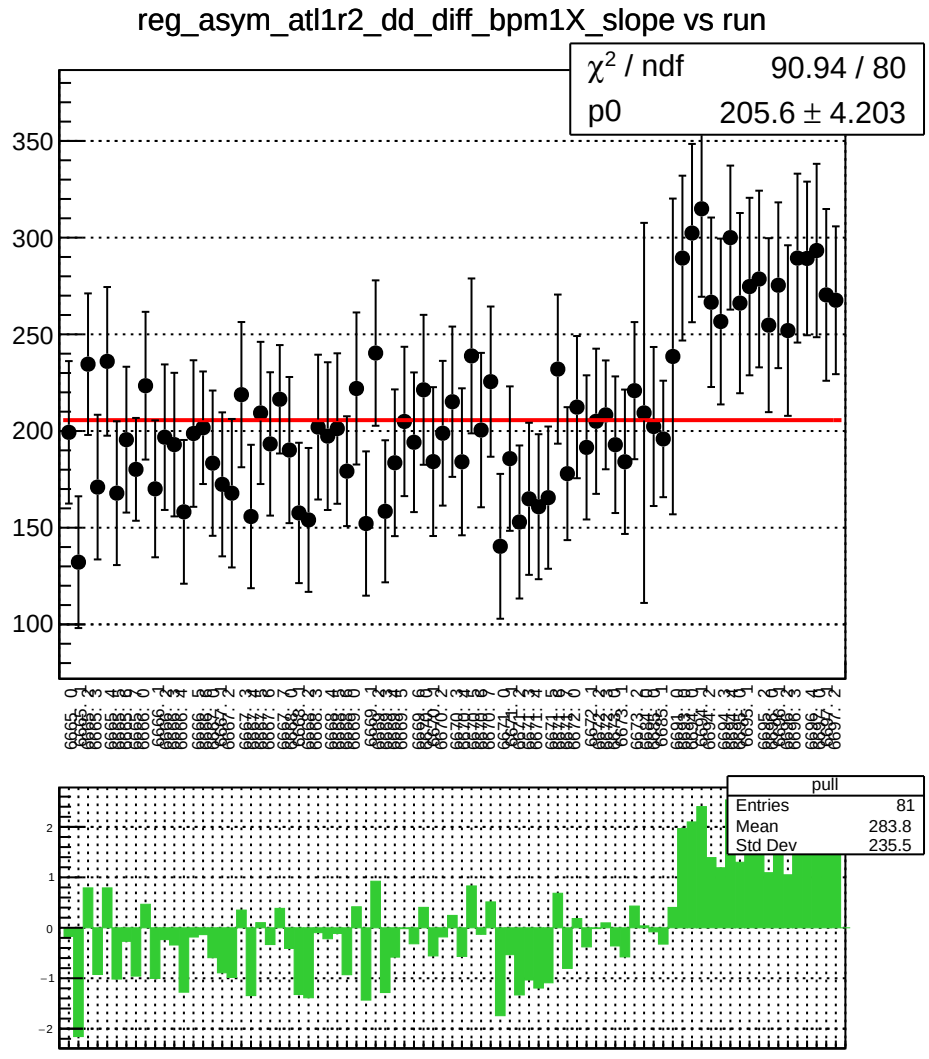

pull1D
Entries 81
Mean 0.03263
Std Dev 0.3821

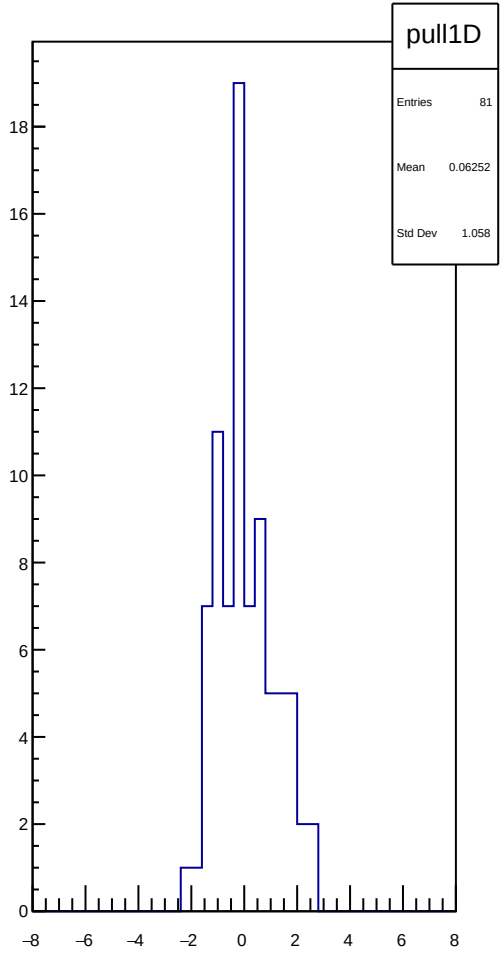

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.56 / 80
p0 421.8 ± 6.293
pull
Entries 81
Mean −106.2
Std Dev 150.3

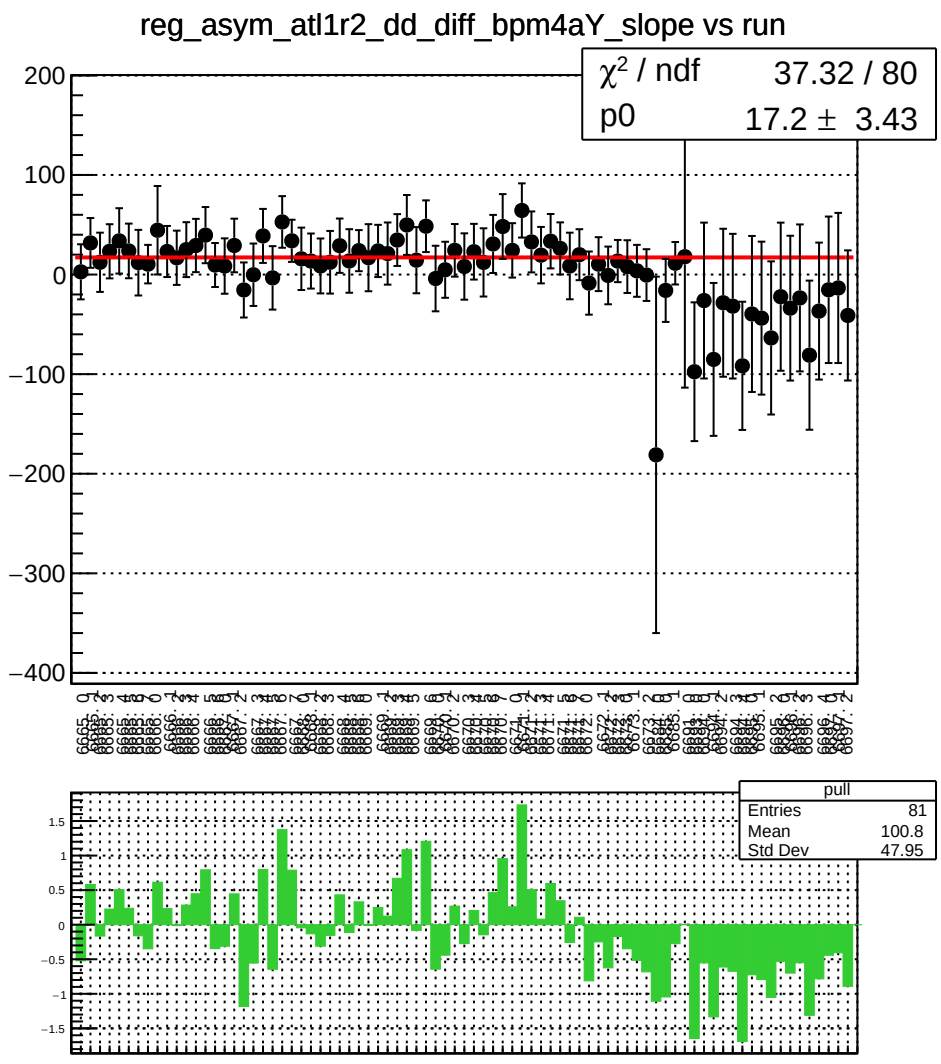

pull1D
Entries 81
Mean 0.03825
Std Dev 0.7653

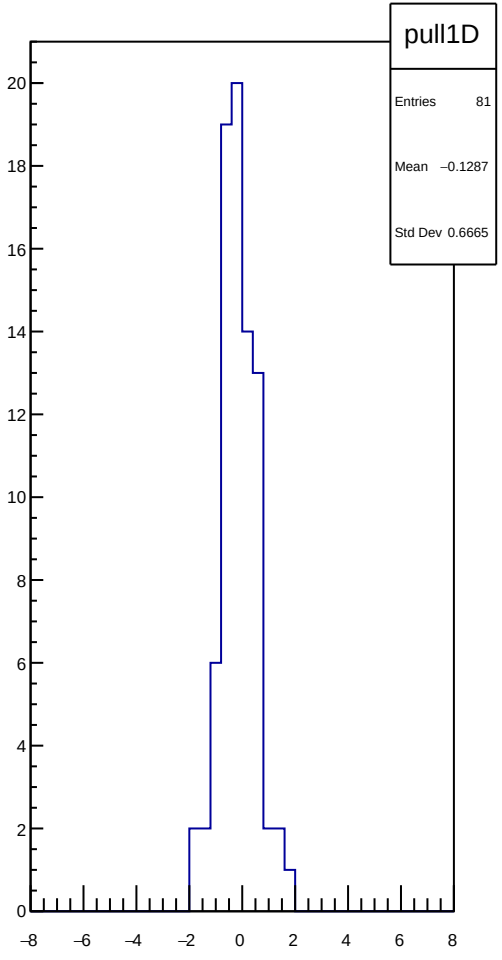

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.19 / 80
p0 50.89 ± 5.731
200
100
0
−100
−200
pull
Entries 81
Mean 106.7
Std Dev 57.58
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 81
Mean −0.03539
Std Dev 0.3864
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

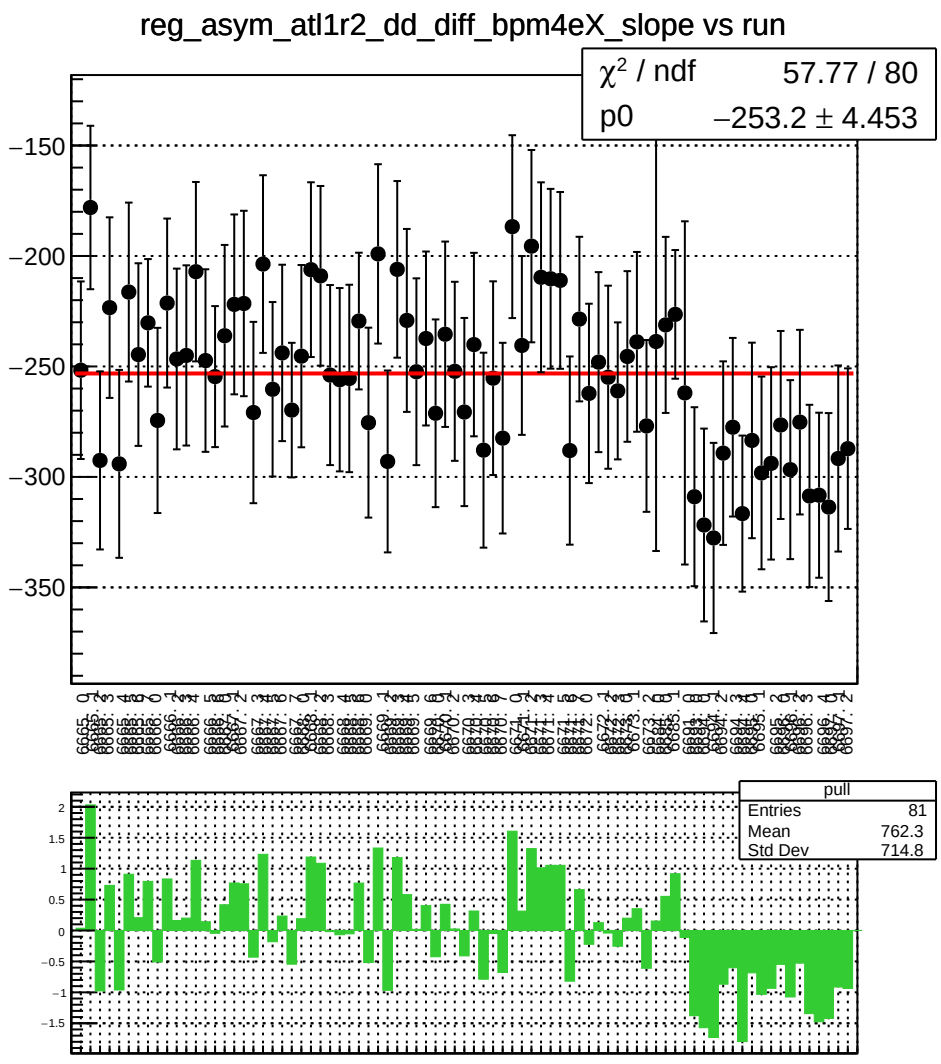

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 5909 / 80
p0 −184.7 ± 0.2485
pull
Entries 81
Mean −388.9
Std Dev 435.8
pull1D
Entries 81
Mean −5.144
Std Dev 1.623

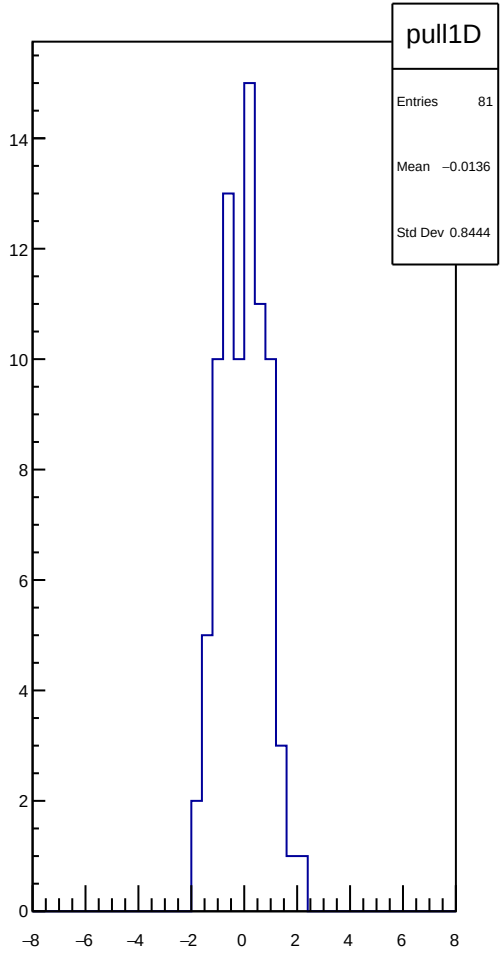

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 90.94 / 80
p0 205.6 ± 4.203
350
300
250
200
150
100
pull
Entries 81
Mean 283.8
Std Dev 235.5
2
1
0
−1
−2

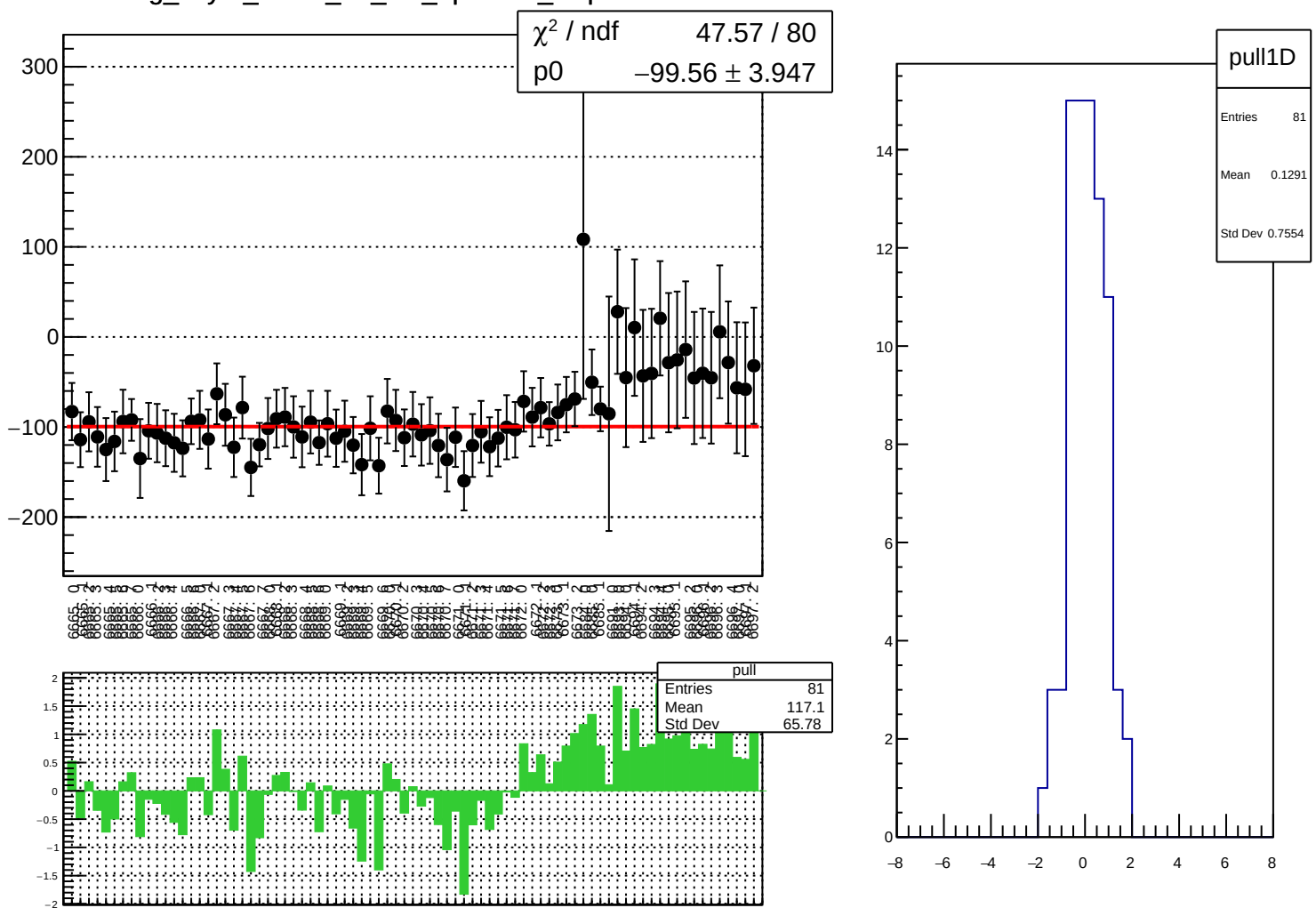

pull1D
Entries 81
Mean 0.06252
Std Dev 1.058
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

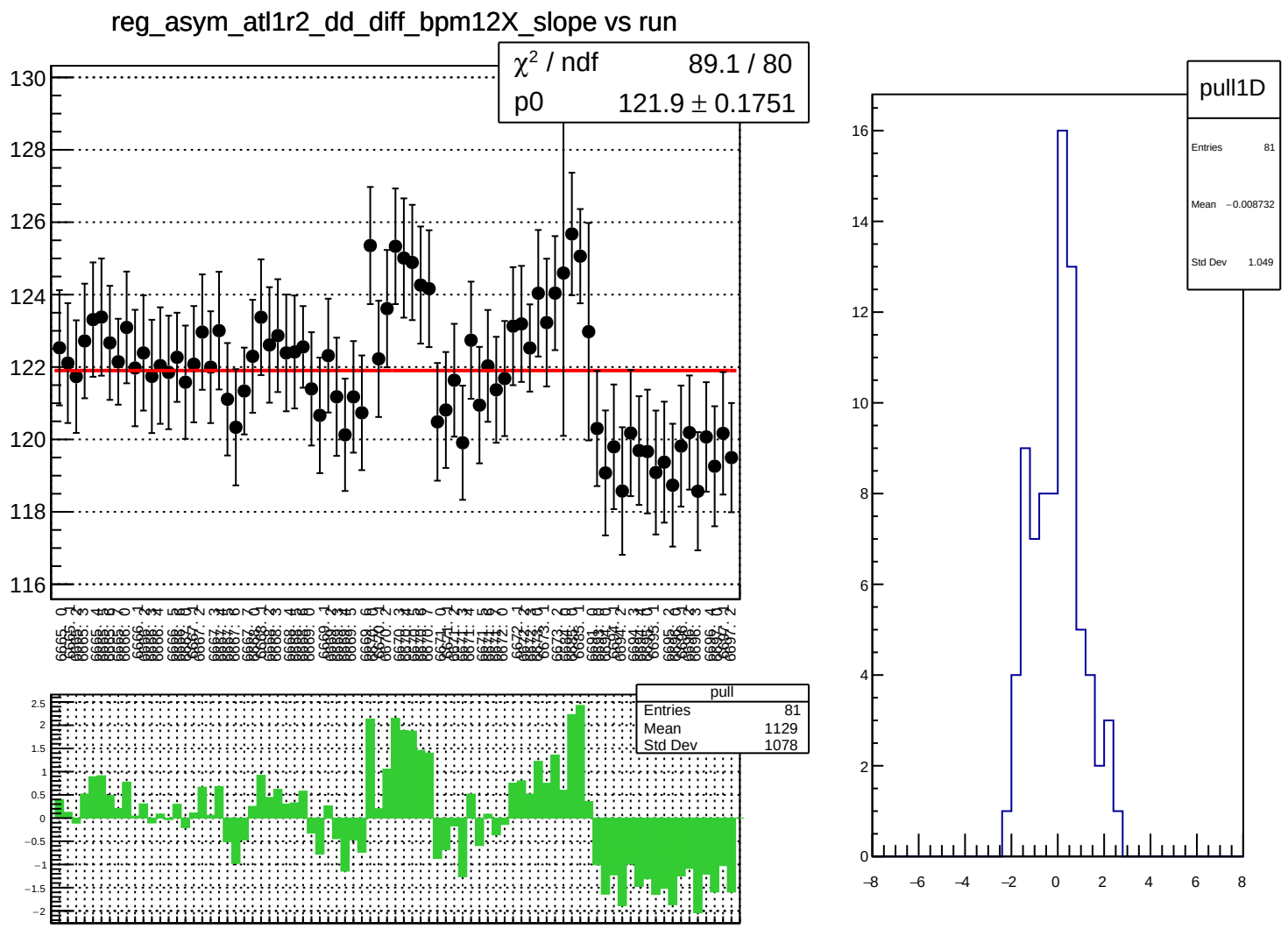

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.32 / 80
p0 17.2 ± 3.43
pull
Entries 81
Mean 100.8
Std Dev 47.95

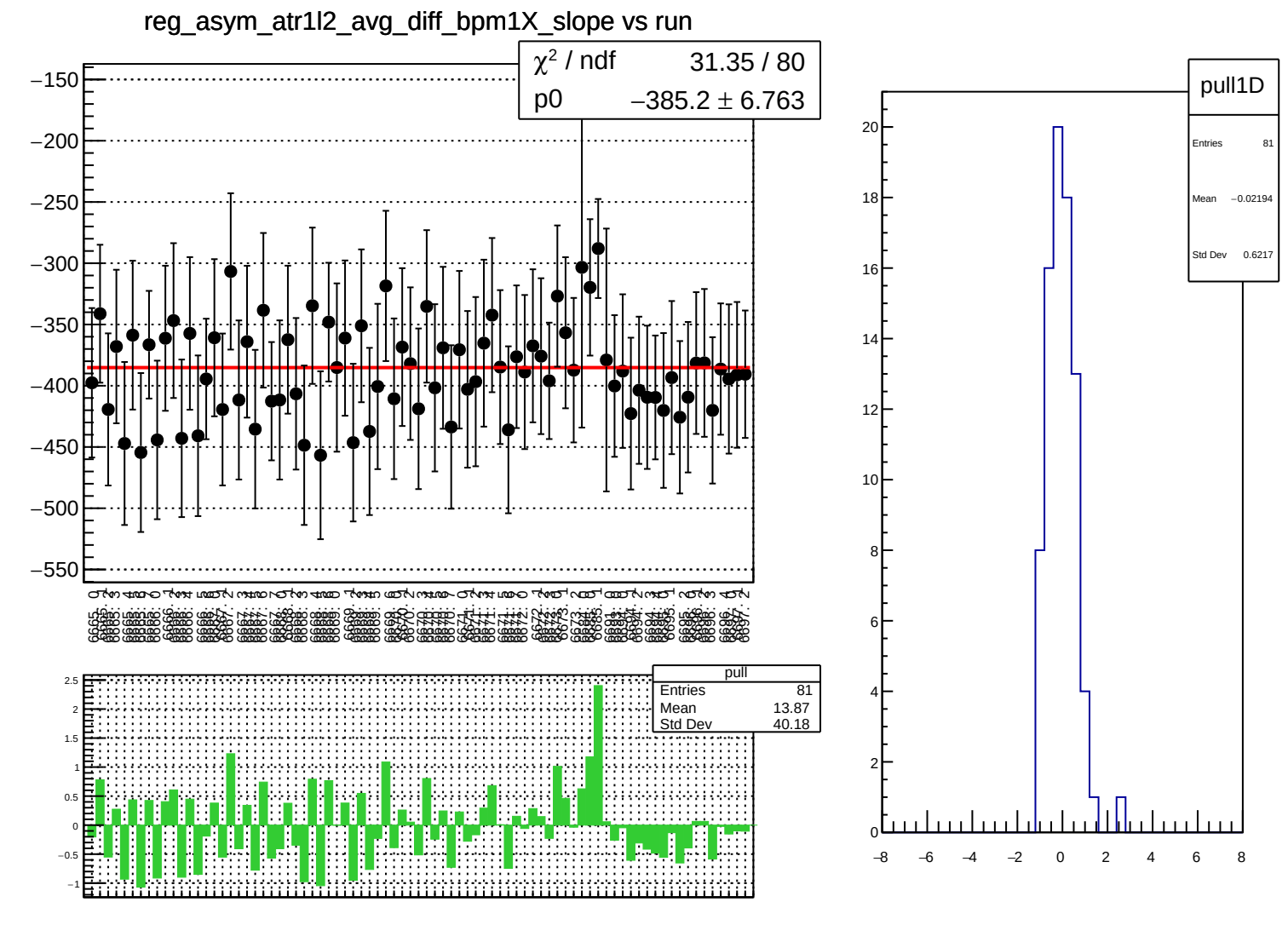

pull1D
Entries 81
Mean −0.1287
Std Dev 0.6665

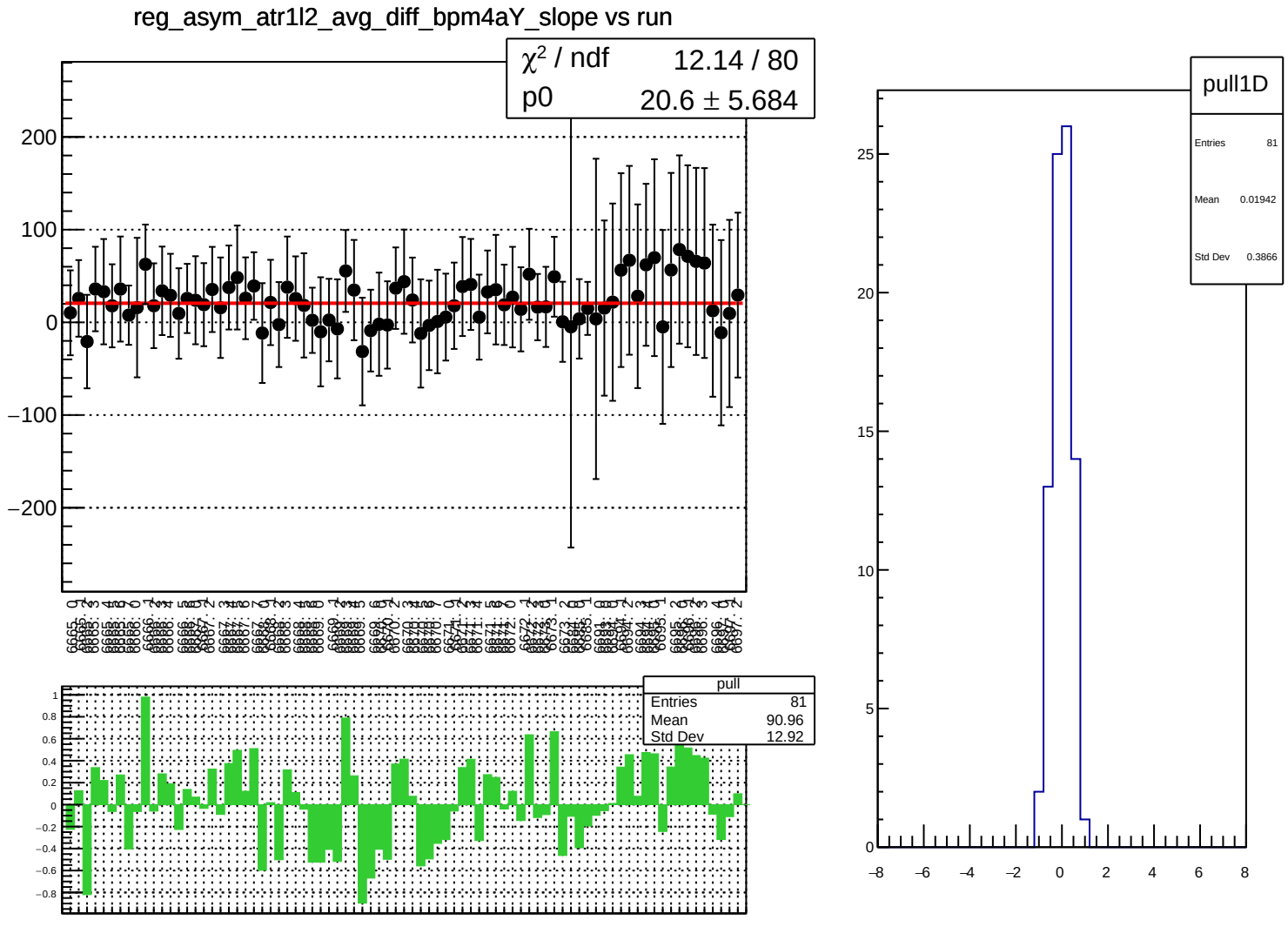

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.77 / 80
p0 −253.2 ± 4.453
−150
−200
−250
−300
−350
pull
Entries 81
Mean 762.3
Std Dev 714.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

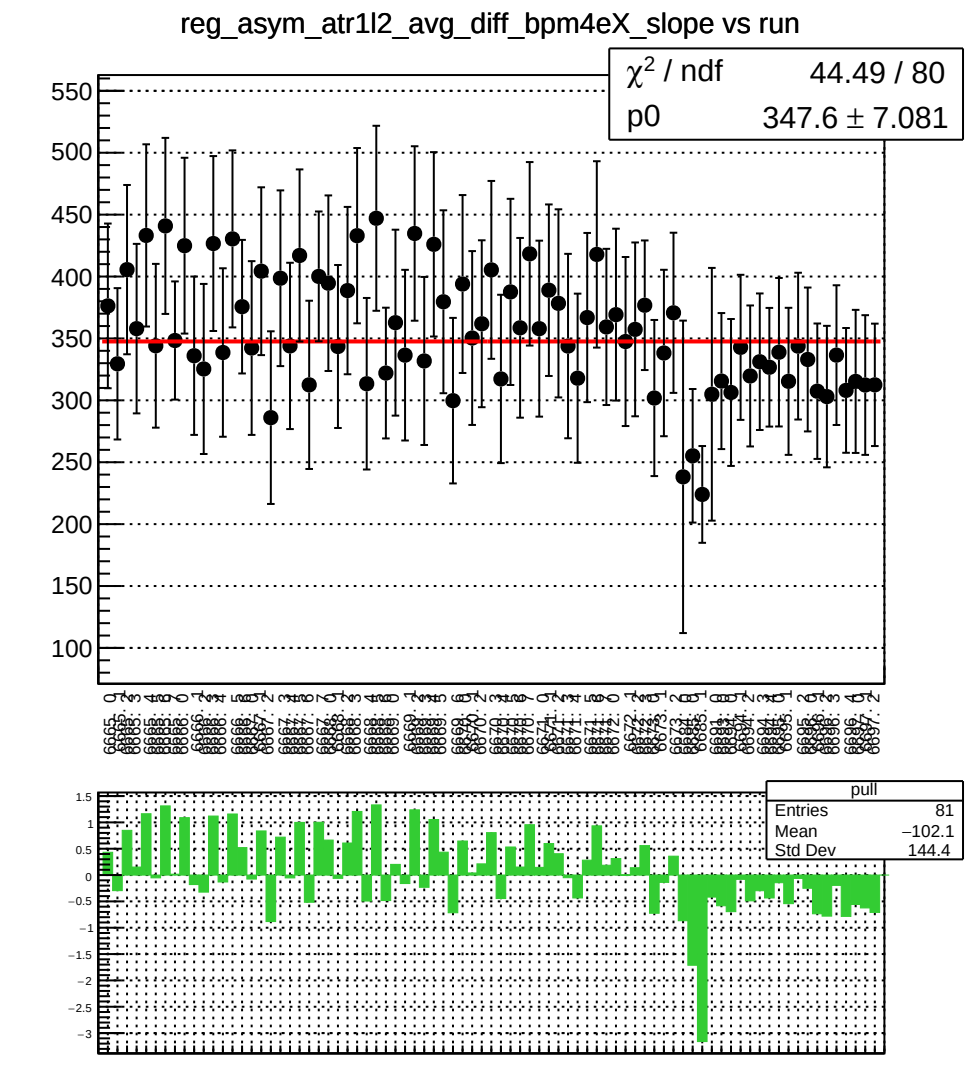

pull1D
Entries 81
Mean −0.0136
Std Dev 0.8444
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

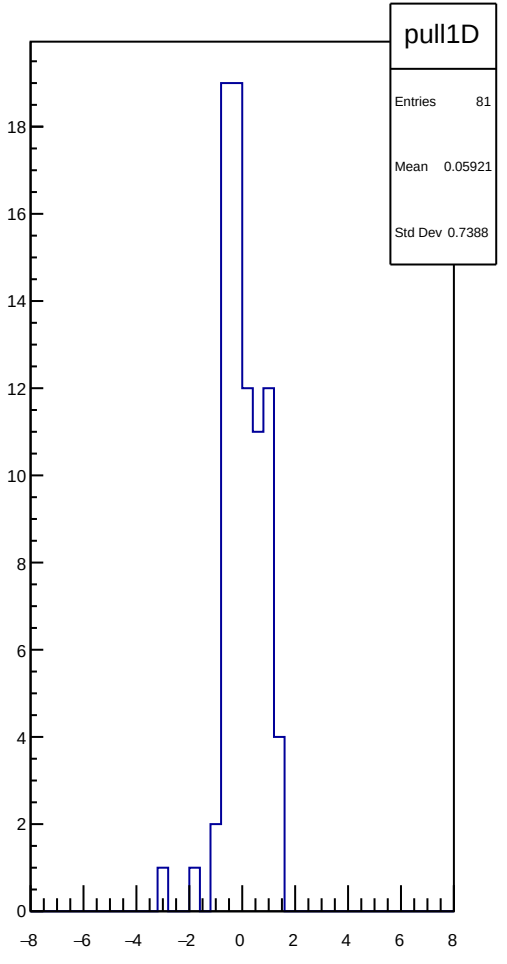

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.57 / 80
p0 −99.56 ± 3.947
300
200
100
0
−100
−200
pull
Entries 81
Mean 117.1
Std Dev 65.78
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.1291
Std Dev 0.7554
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

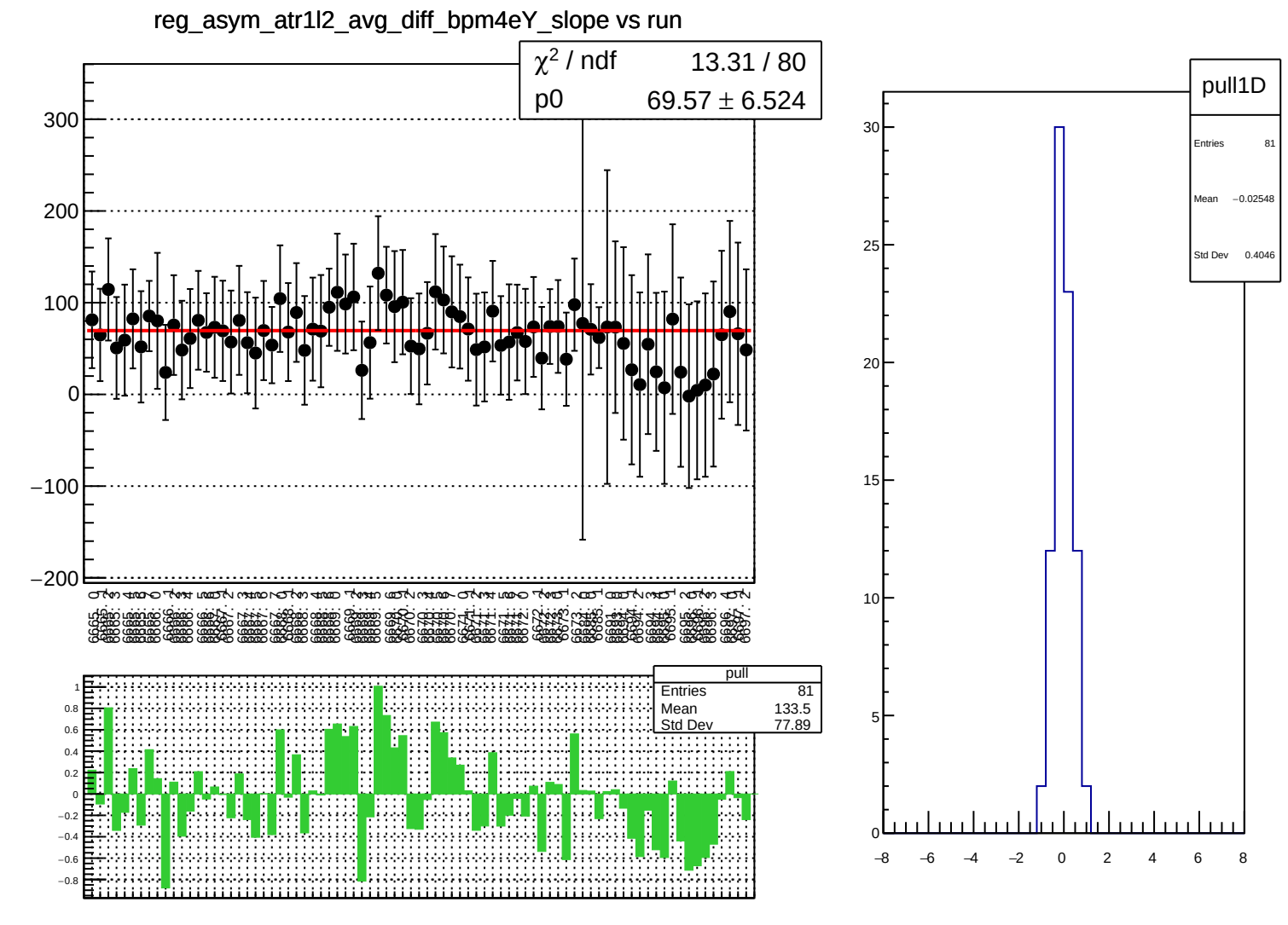

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 89.1 / 80
p0 121.9 ± 0.1751
pull
Entries 81
Mean 1129
Std Dev 1078
pull1D
Entries 81
Mean −0.008732
Std Dev 1.049

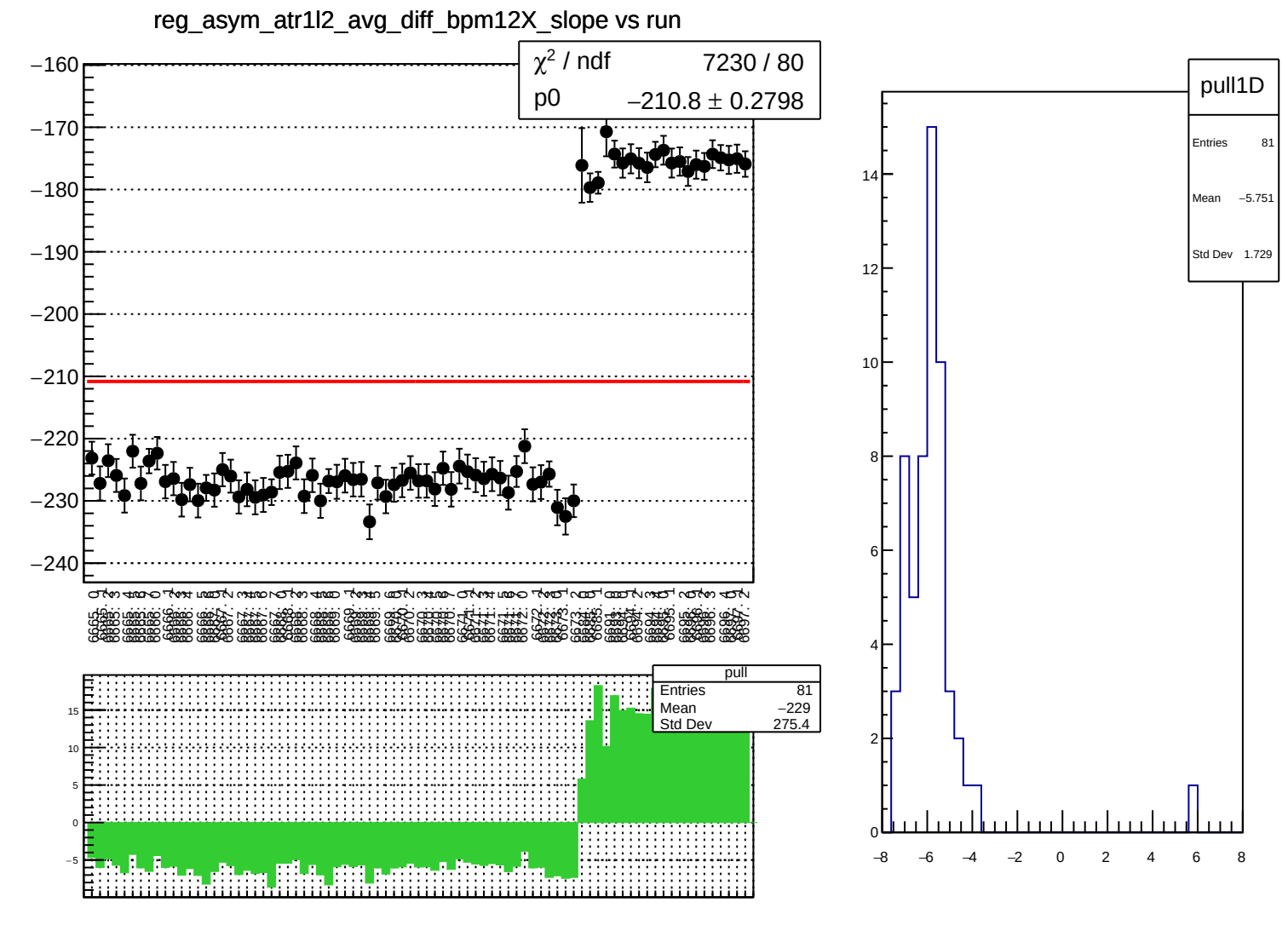

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 31.35 / 80
p0 −385.2 ± 6.763
pull
Entries 81
Mean 13.87
Std Dev 40.18
pull1D
Entries 81
Mean −0.02194
Std Dev 0.6217

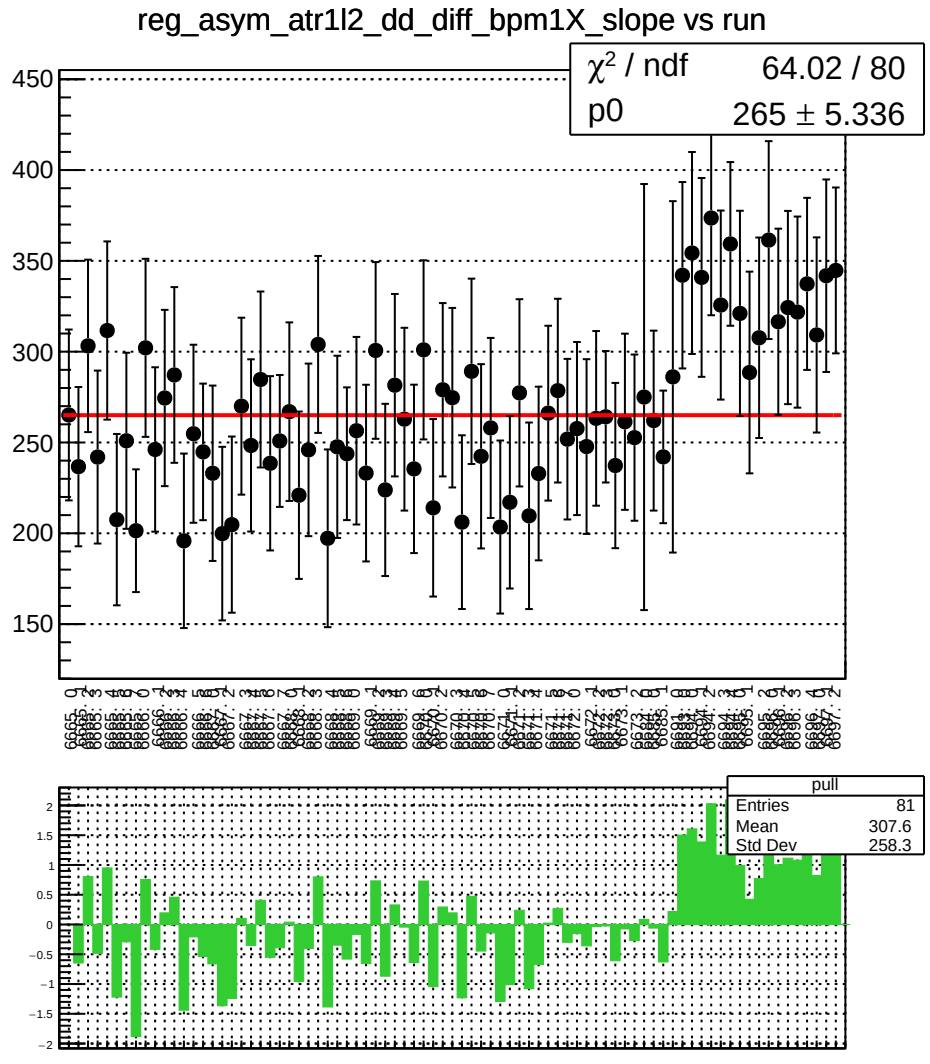

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.14 / 80
p0 20.6 ± 5.684
200
100
0
−100
−200
pull
Entries 81
Mean 90.96
Std Dev 12.92
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 81
Mean 0.01942
Std Dev 0.3866
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

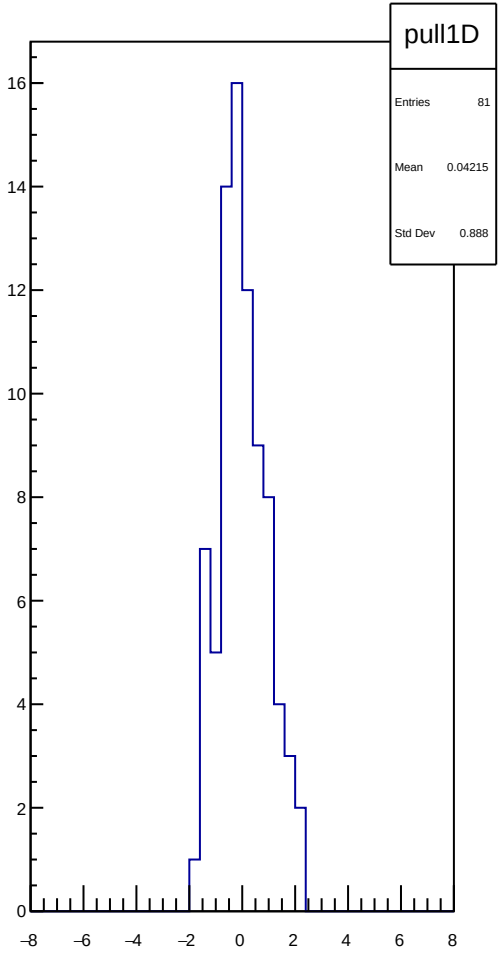

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.49 / 80
p0 347.6 ± 7.081
pull
Entries 81
Mean −102.1
Std Dev 144.4

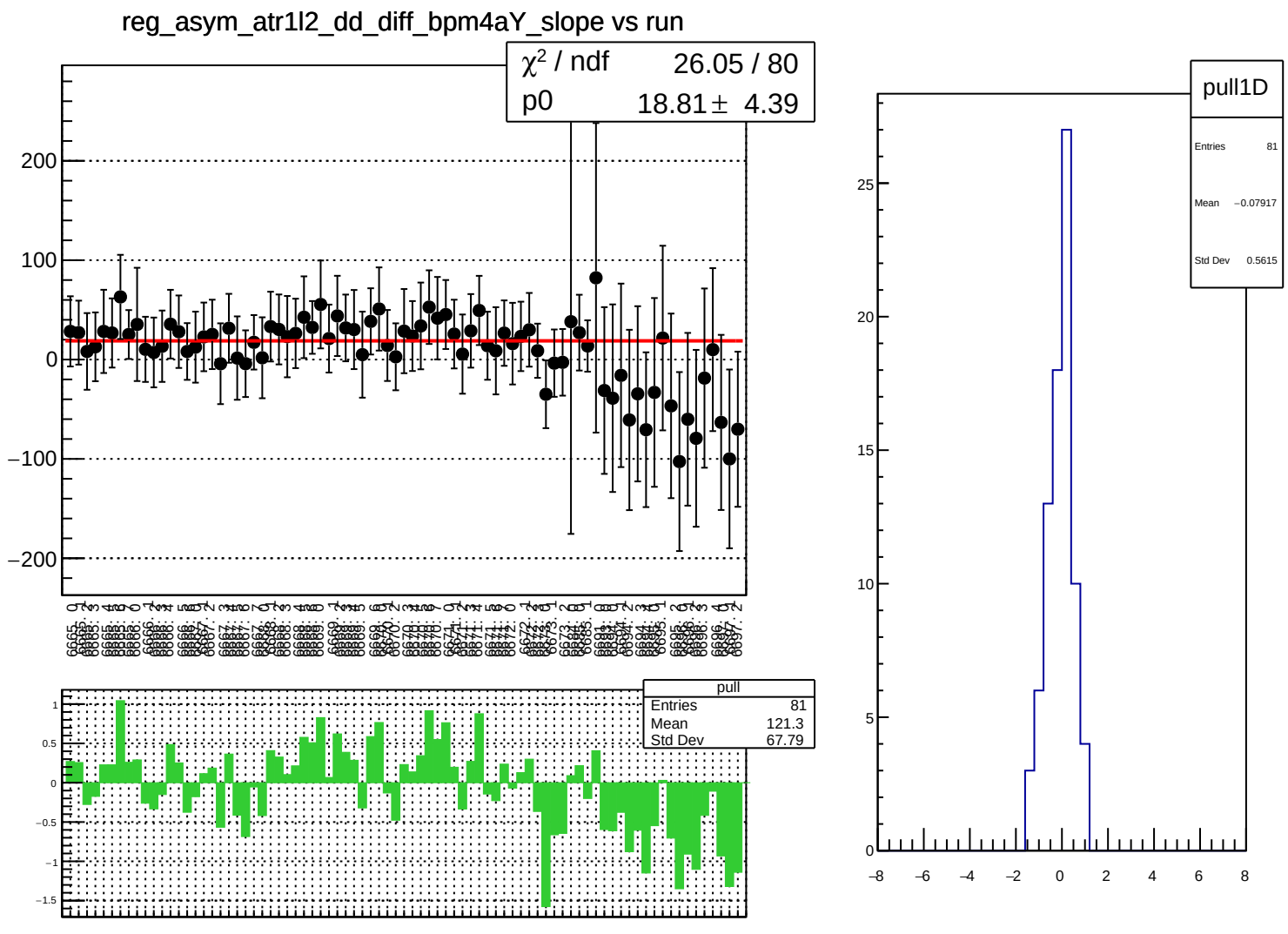

pull1D
Entries 81
Mean 0.05921
Std Dev 0.7388

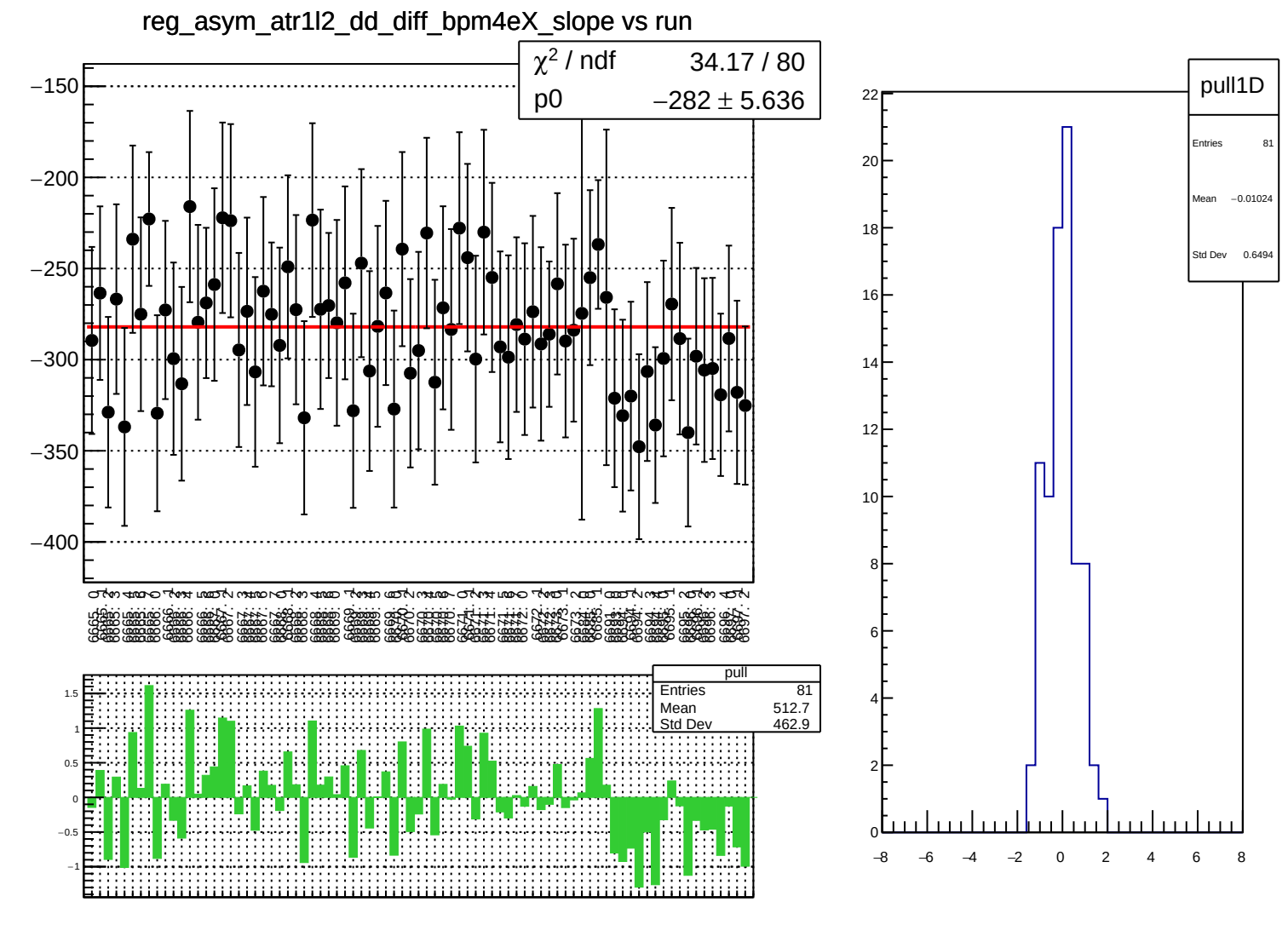

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.31 / 80
p0 69.57 ± 6.524
pull
Entries 81
Mean 133.5
Std Dev 77.89
pull1D
Entries 81
Mean −0.02548
Std Dev 0.4046

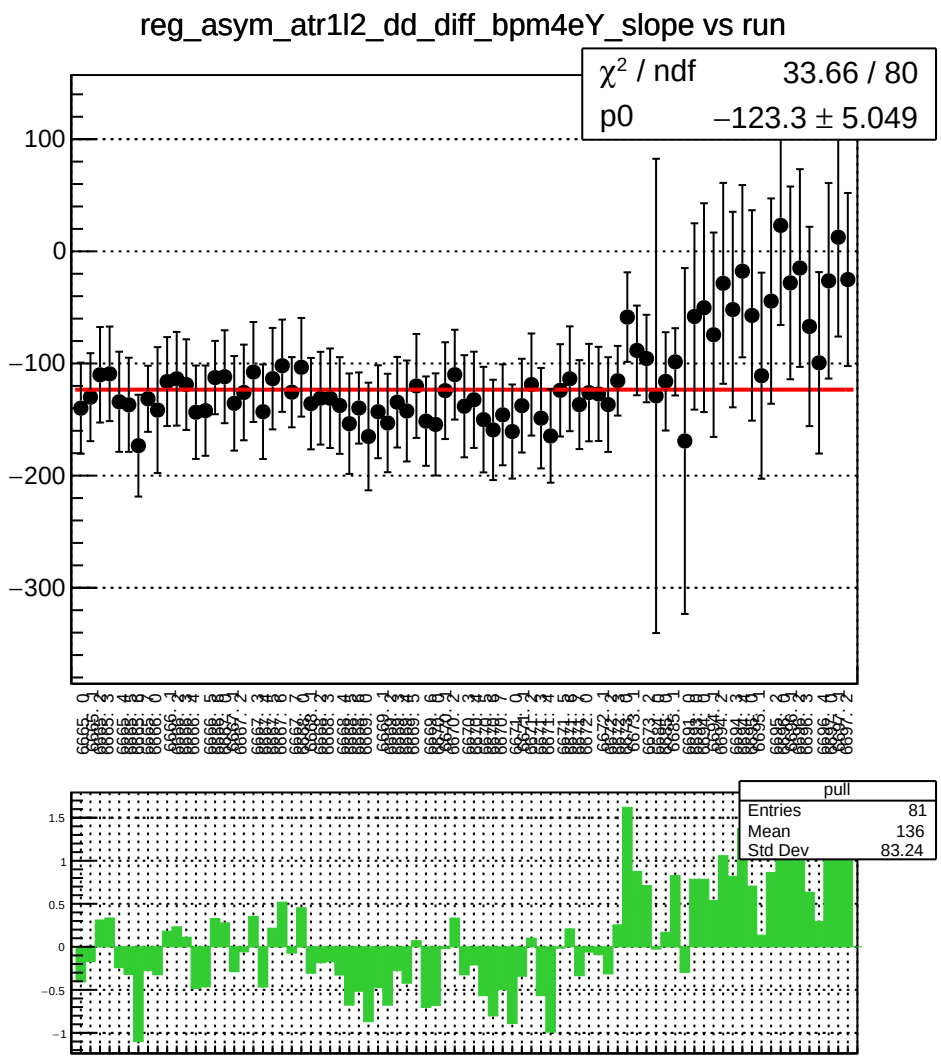

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 7230 / 80
p0 −210.8 ± 0.2798
pull
Entries 81
Mean −229
Std Dev 275.4
pull1D
Entries 81
Mean −5.751
Std Dev 1.729

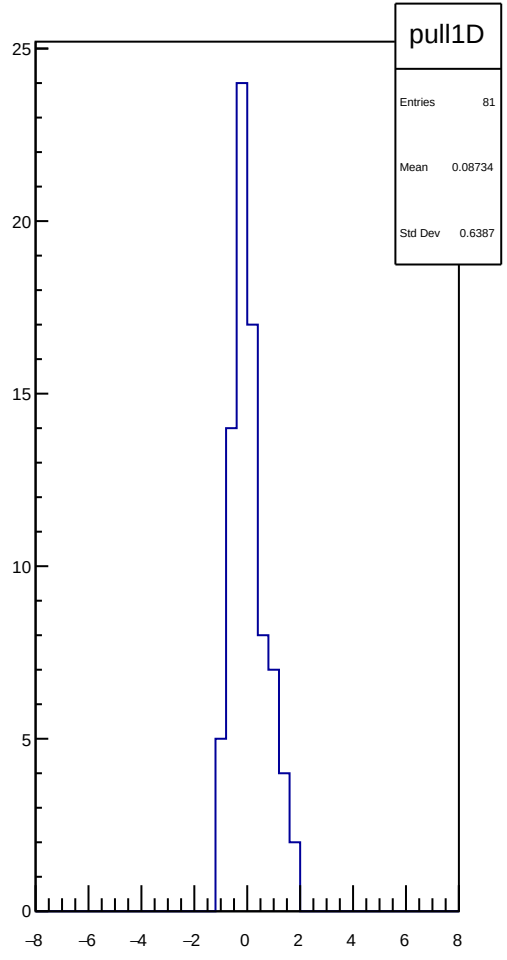

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 64.02 / 80
p0 265 ± 5.336
pull
Entries 81
Mean 307.6
Std Dev 258.3

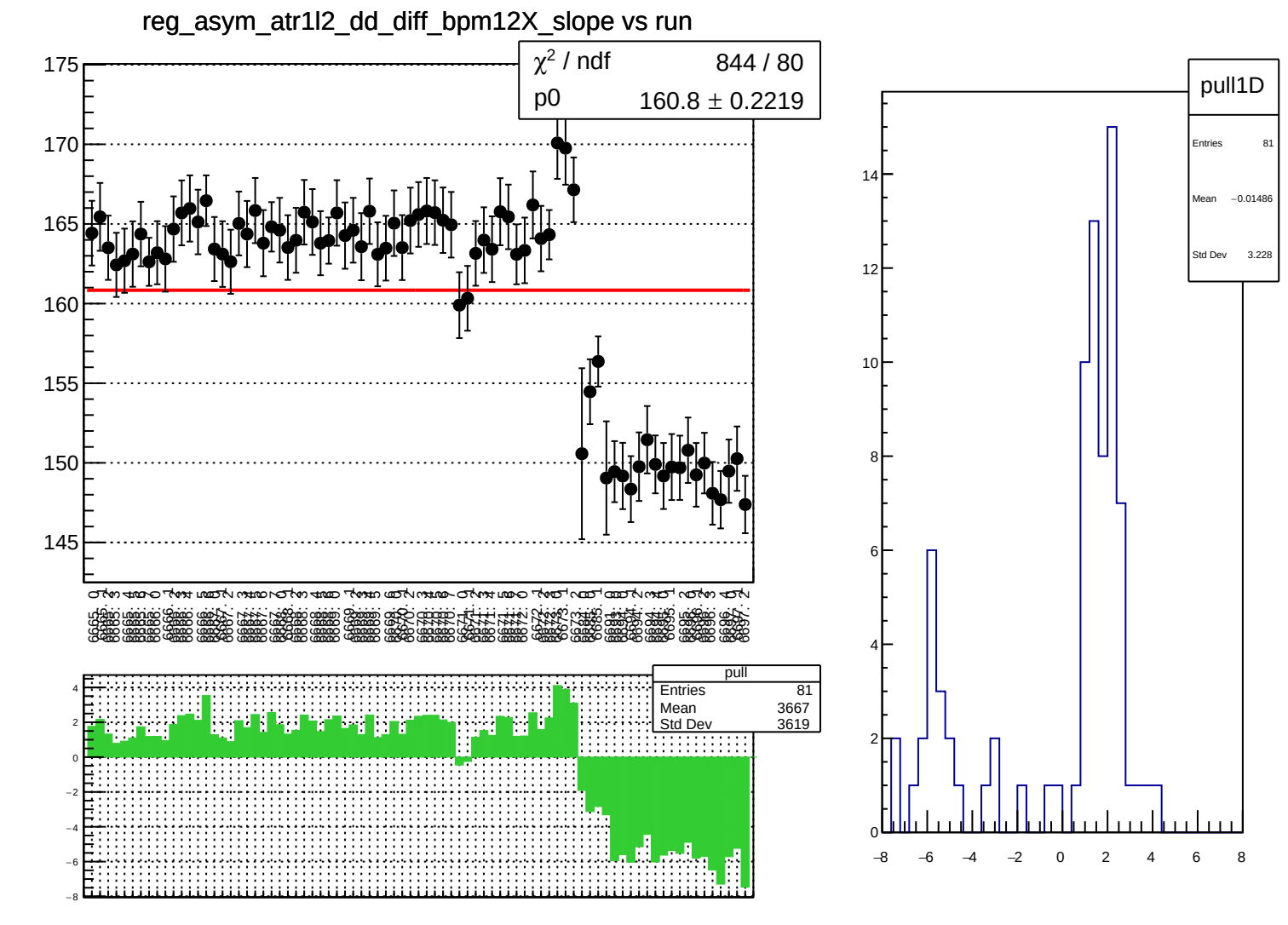

pull1D
Entries 81
Mean 0.04215
Std Dev 0.888

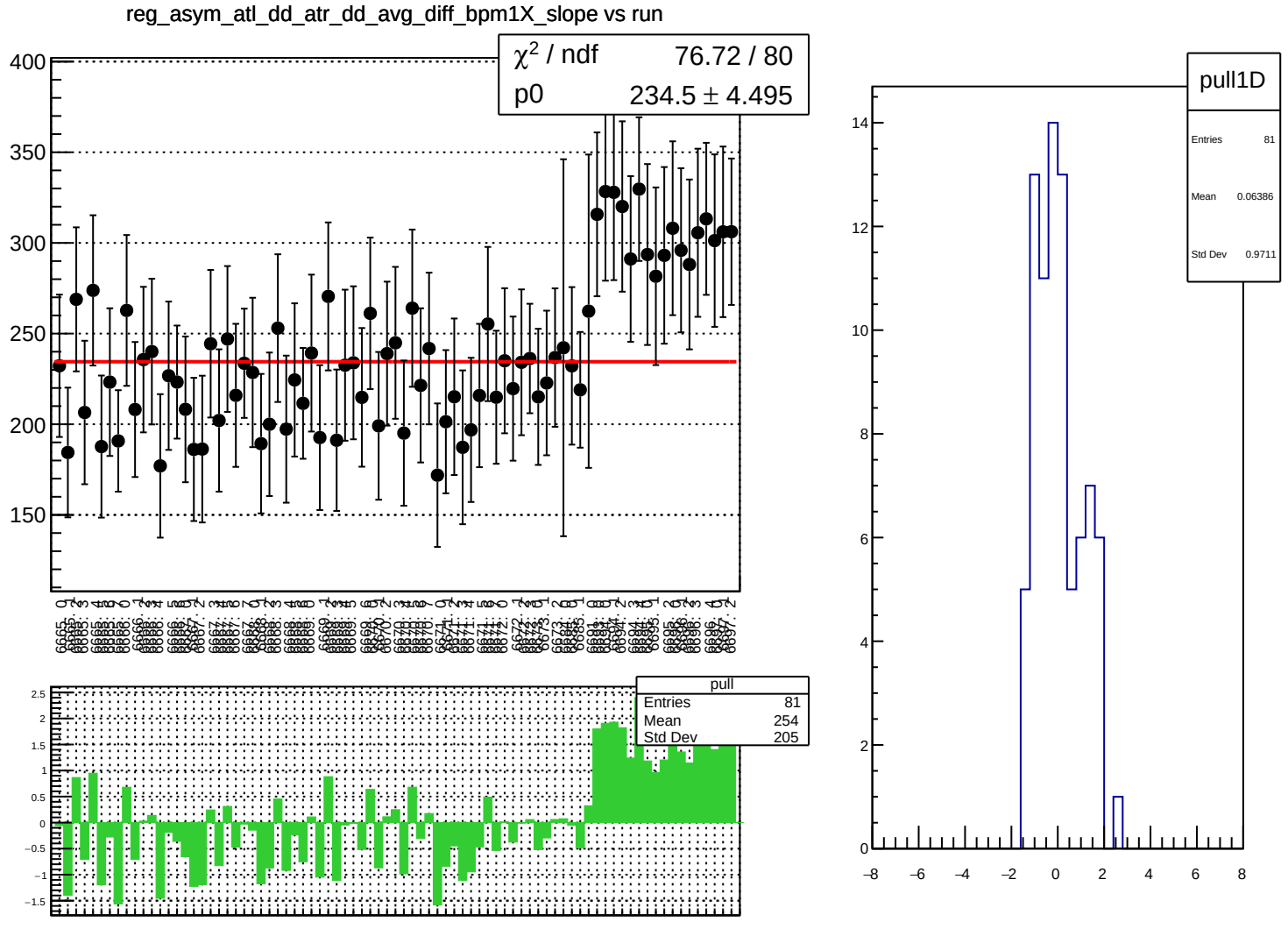

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.05 / 80
p0 18.81 ± 4.39
200
100
0
−100
−200
pull
Entries 81
Mean 121.3
Std Dev 67.79
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.07917
Std Dev 0.5615
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

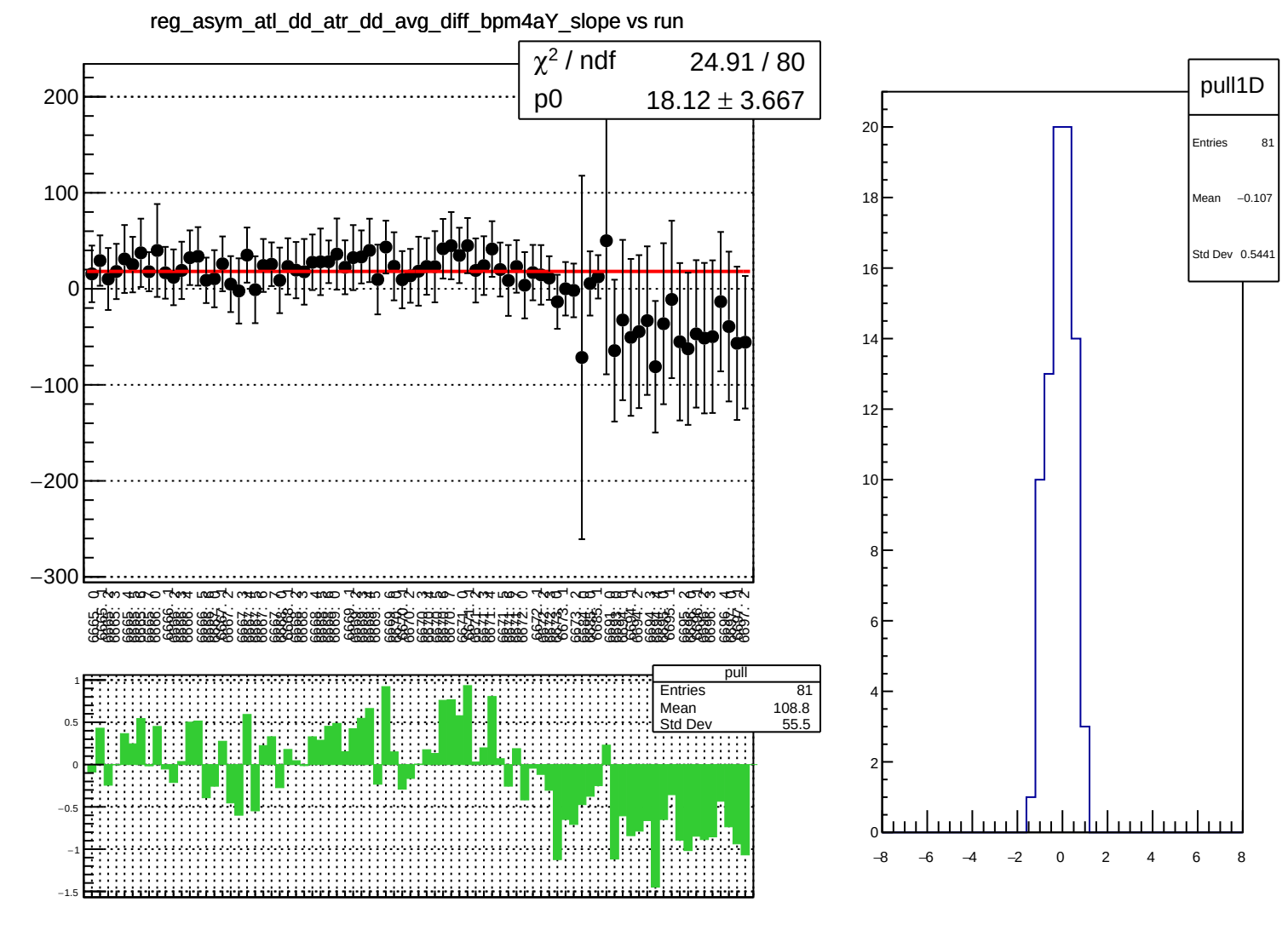

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.17 / 80
p0 −282 ± 5.636
pull
Entries 81
Mean 512.7
Std Dev 462.9
pull1D
Entries 81
Mean −0.01024
Std Dev 0.6494

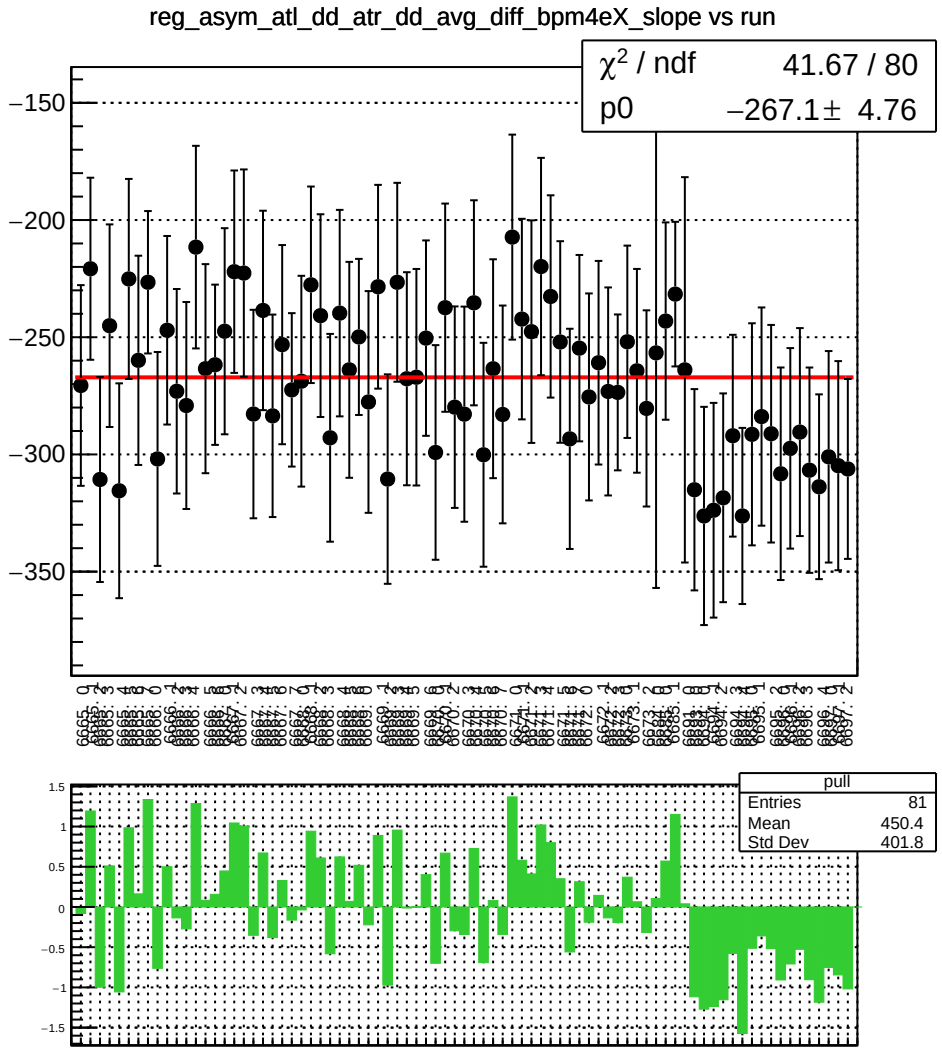

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.66 / 80
p0 −123.3 ± 5.049
100
0
−100
−200
−300
pull
Entries 81
Mean 136
Std Dev 83.24
1.5
1
0.5
0
−0.5
−1

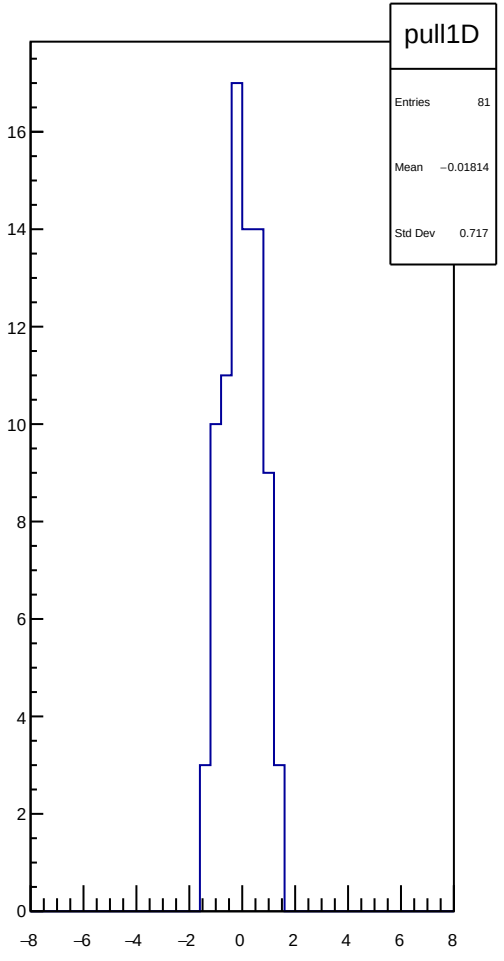

pull1D
Entries 81
Mean 0.08734
Std Dev 0.6387
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

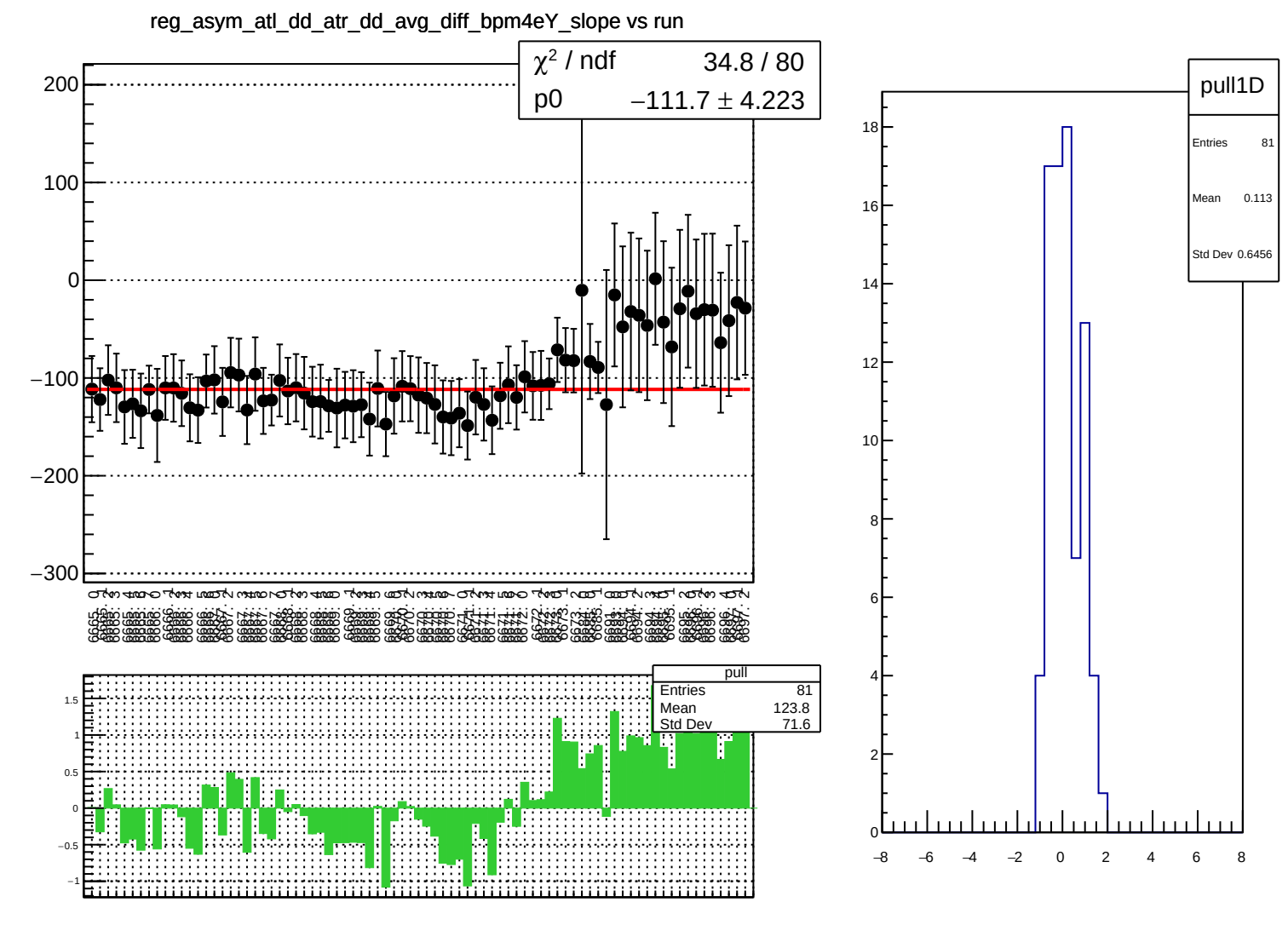

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 844 / 80
p0 160.8 ± 0.2219
pull
Entries 81
Mean 3667
Std Dev 3619
pull1D
Entries 81
Mean −0.01486
Std Dev 3.228

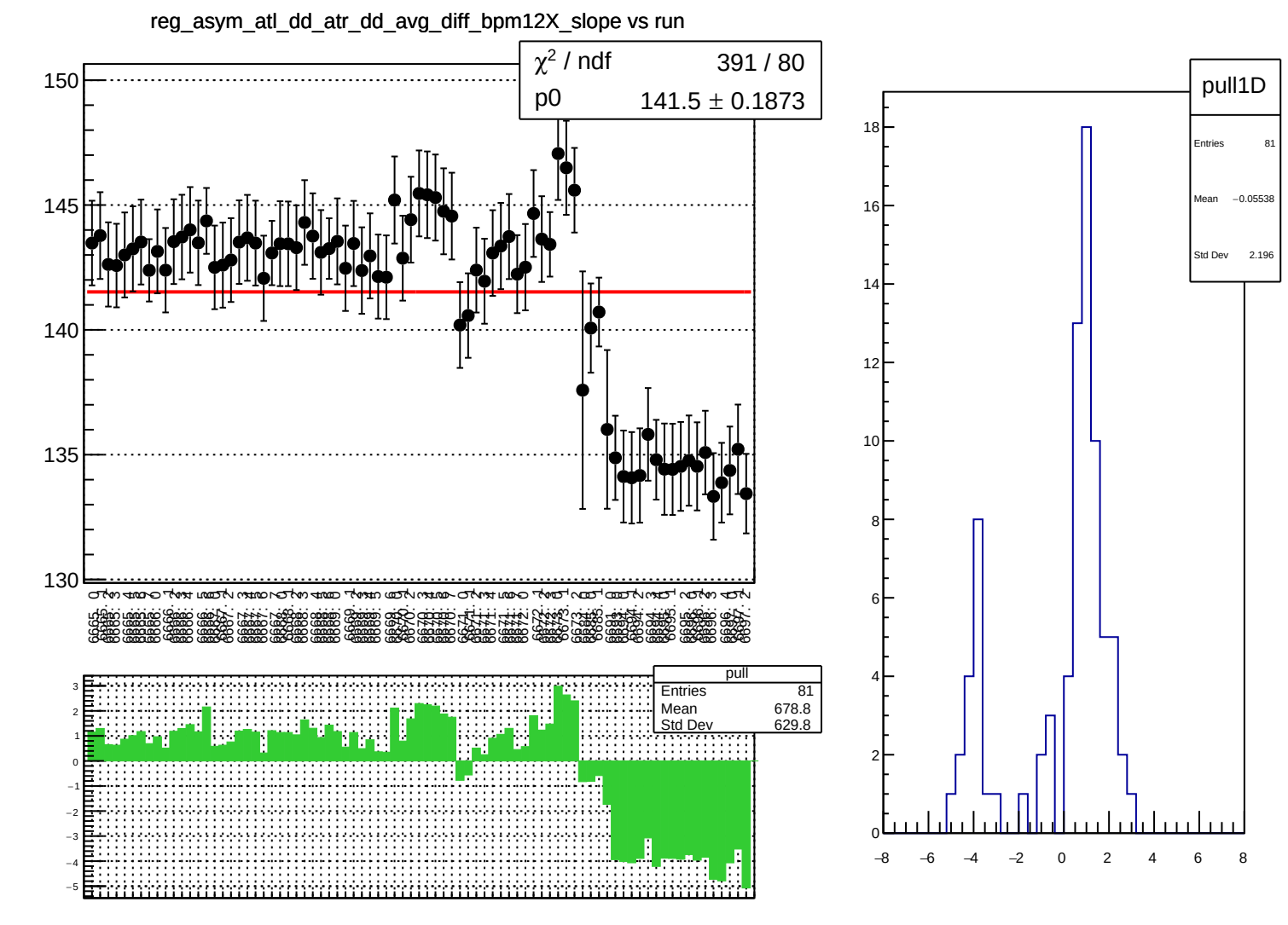

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 76.72 / 80
p0 234.5 ± 4.495
pull
Entries 81
Mean 254
Std Dev 205
pull1D
Entries 81
Mean 0.06386
Std Dev 0.9711

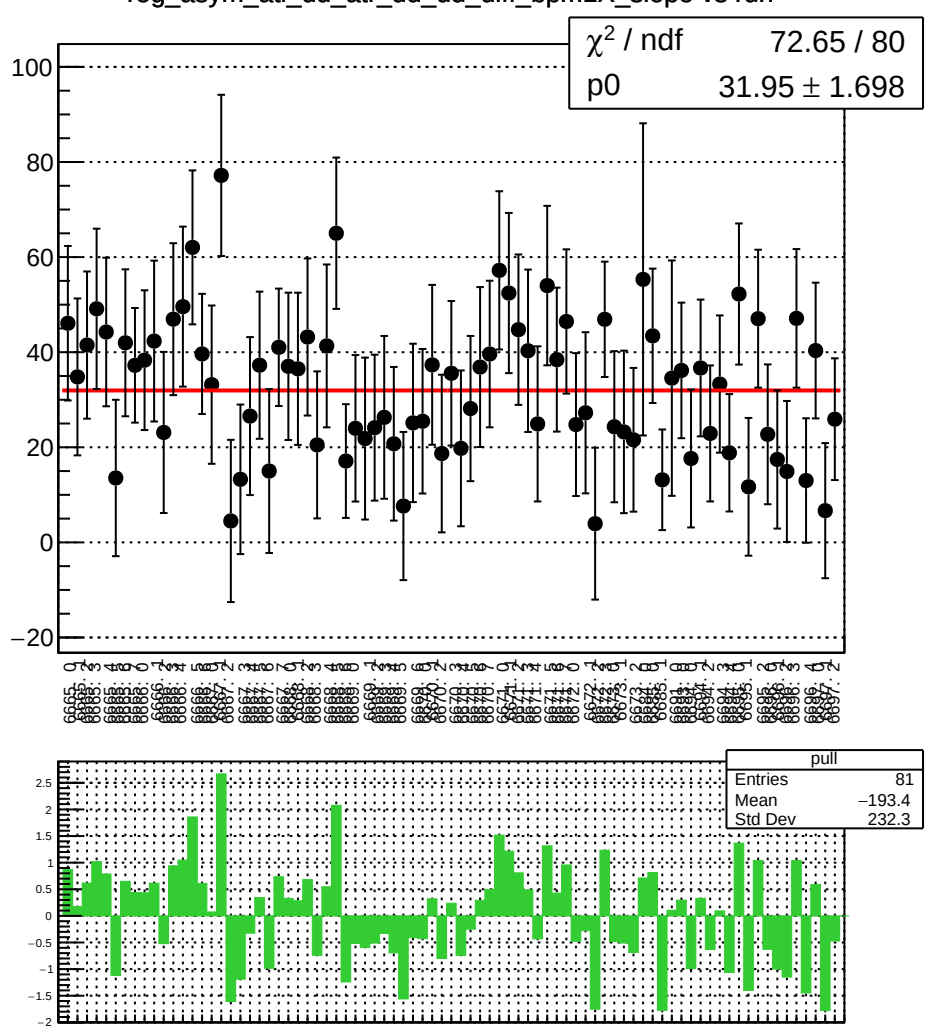

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.91 / 80
p0 18.12 ± 3.667
pull
Entries 81
Mean 108.8
Std Dev 55.5
pull1D
Entries 81
Mean −0.107
Std Dev 0.5441

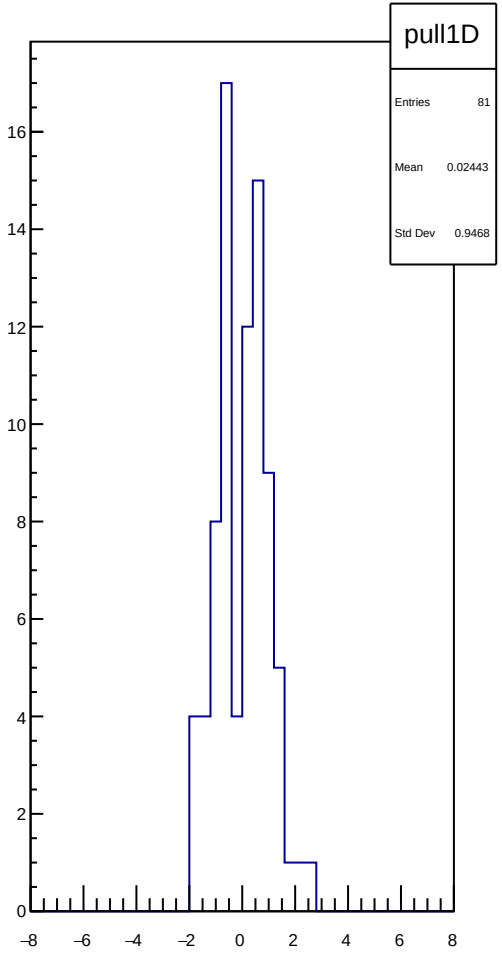

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.67 / 80
p0 −267.1± 4.76
−150
−200
−250
−300
−350
pull
Entries 81
Mean 450.4
Std Dev 401.8
1.5
1
0.5
0
−0.5
−1
−1.5

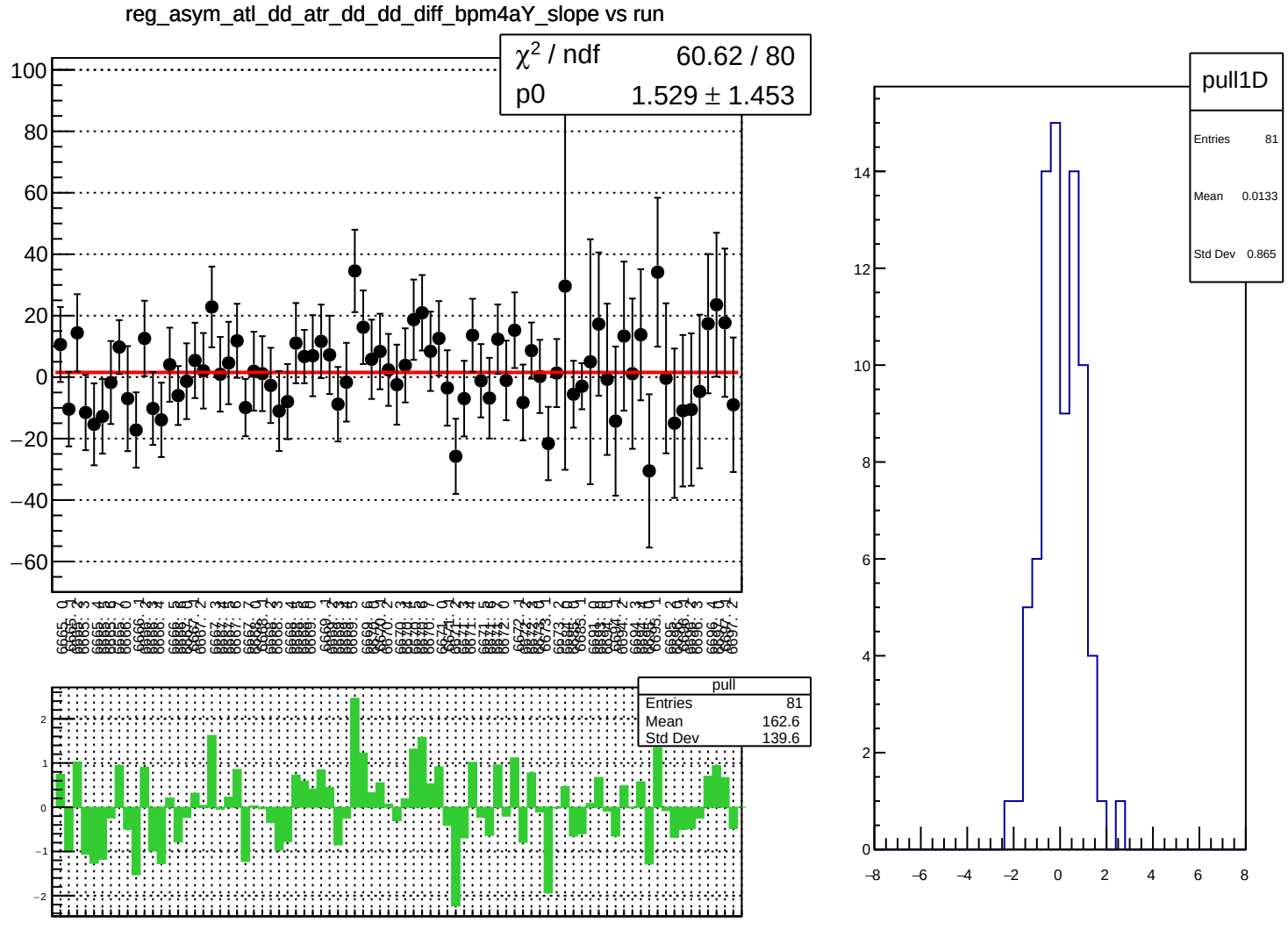

pull1D
Entries 81
Mean −0.01814
Std Dev 0.717
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

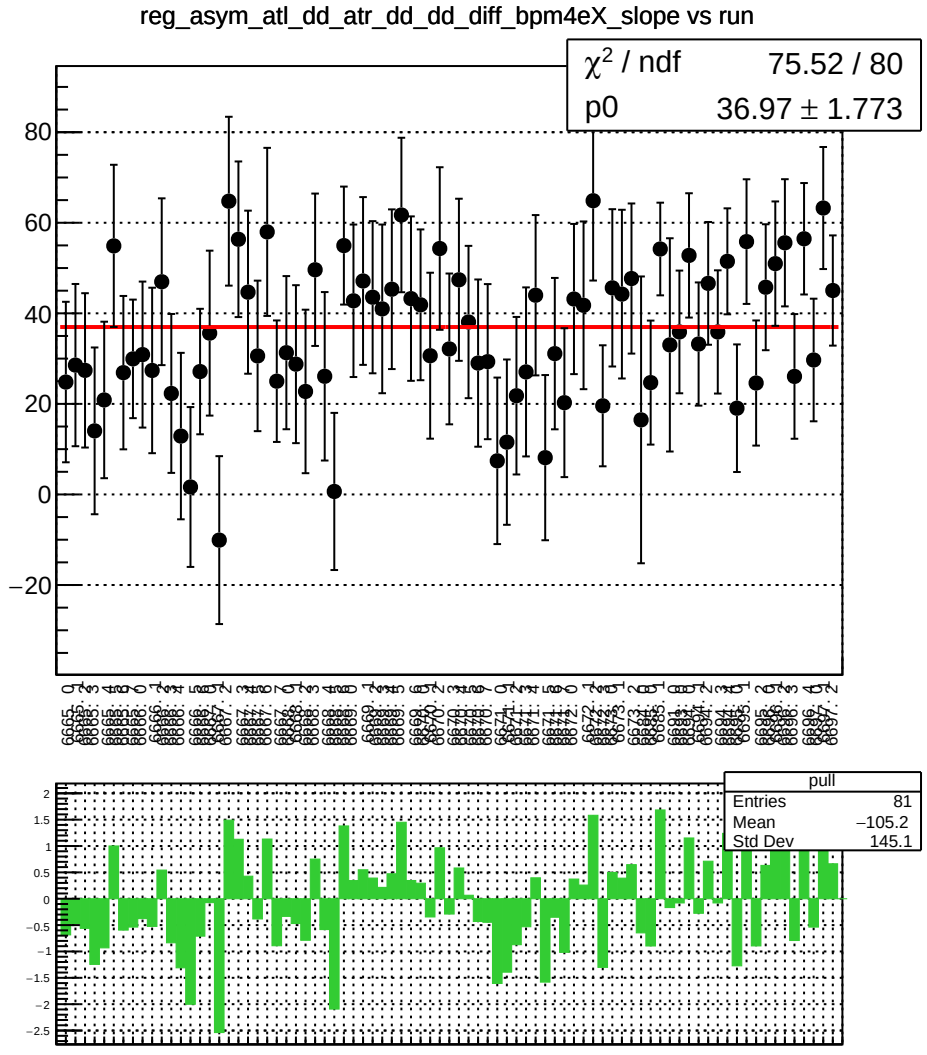

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.8 / 80
p0 −111.7 ± 4.223
200
100
0
−100
−200
−300
pull
Entries 81
Mean 123.8
Std Dev 71.6
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.113
Std Dev 0.6456
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

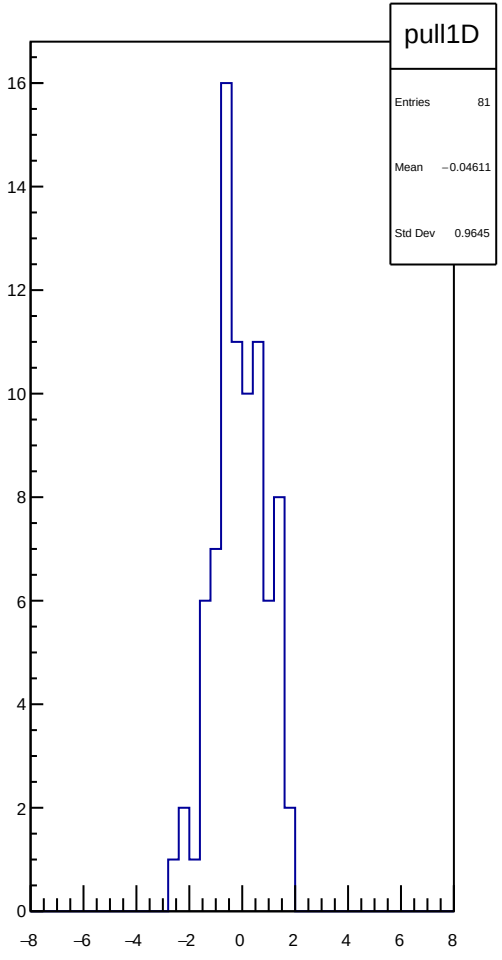

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 391 / 80
p0 141.5 ± 0.1873
150
145
140
135
130
pull
Entries 81
Mean 678.8
Std Dev 629.8
pull1D
Entries 81
Mean −0.05538
Std Dev 2.196

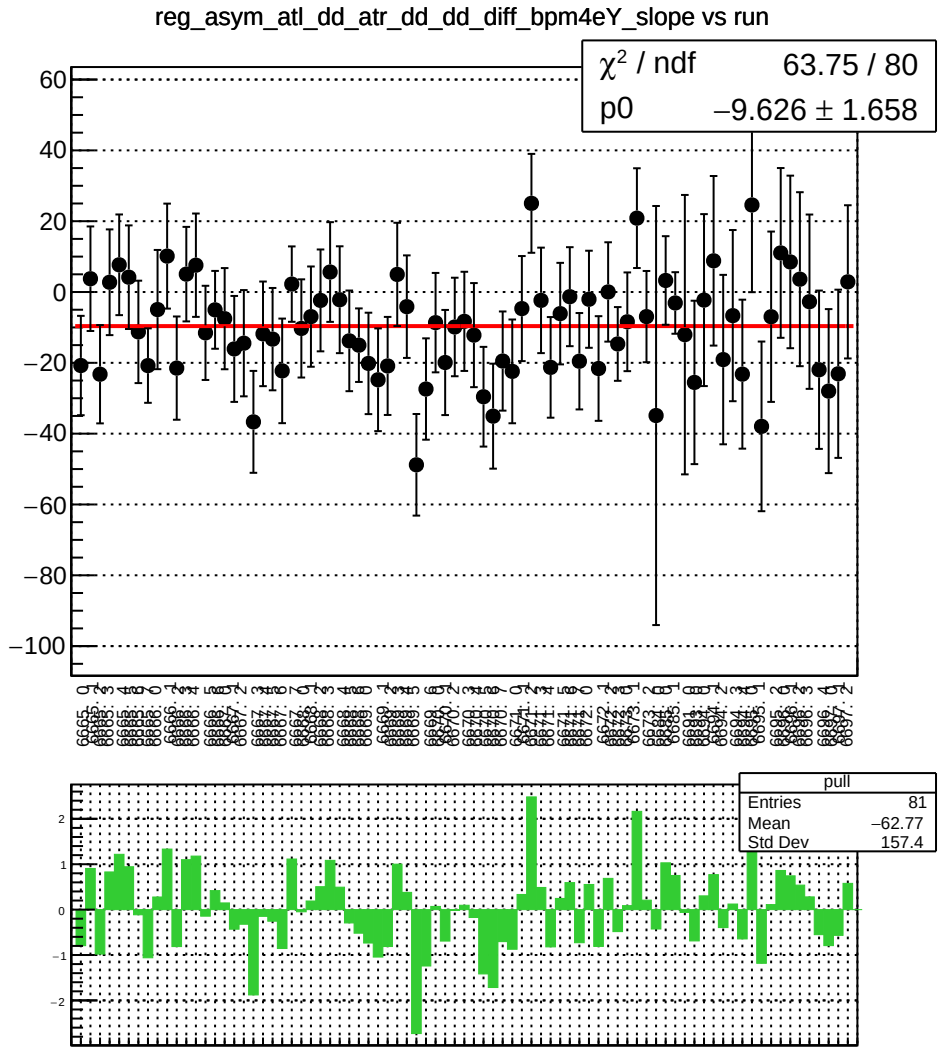

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 72.65 / 80
p0 31.95 ± 1.698
pull
Entries 81
Mean −193.4
Std Dev 232.3

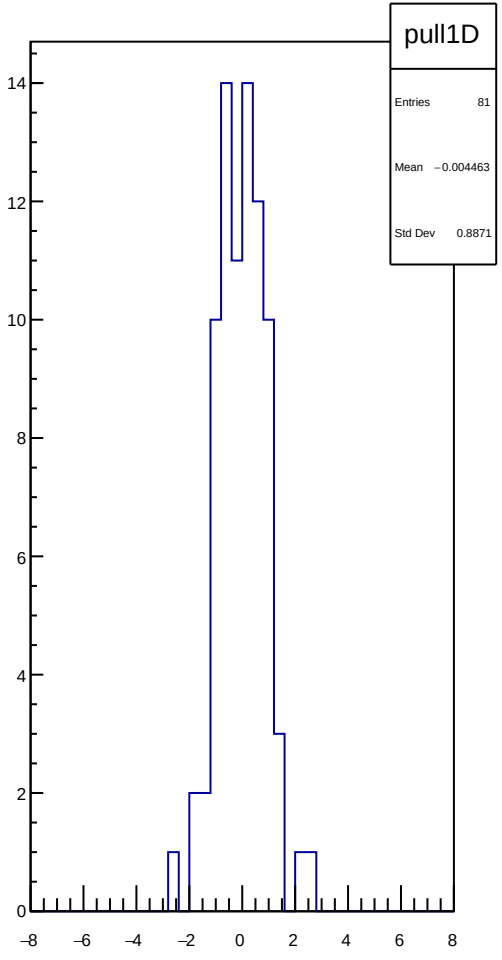

pull1D
Entries 81
Mean 0.02443
Std Dev 0.9468

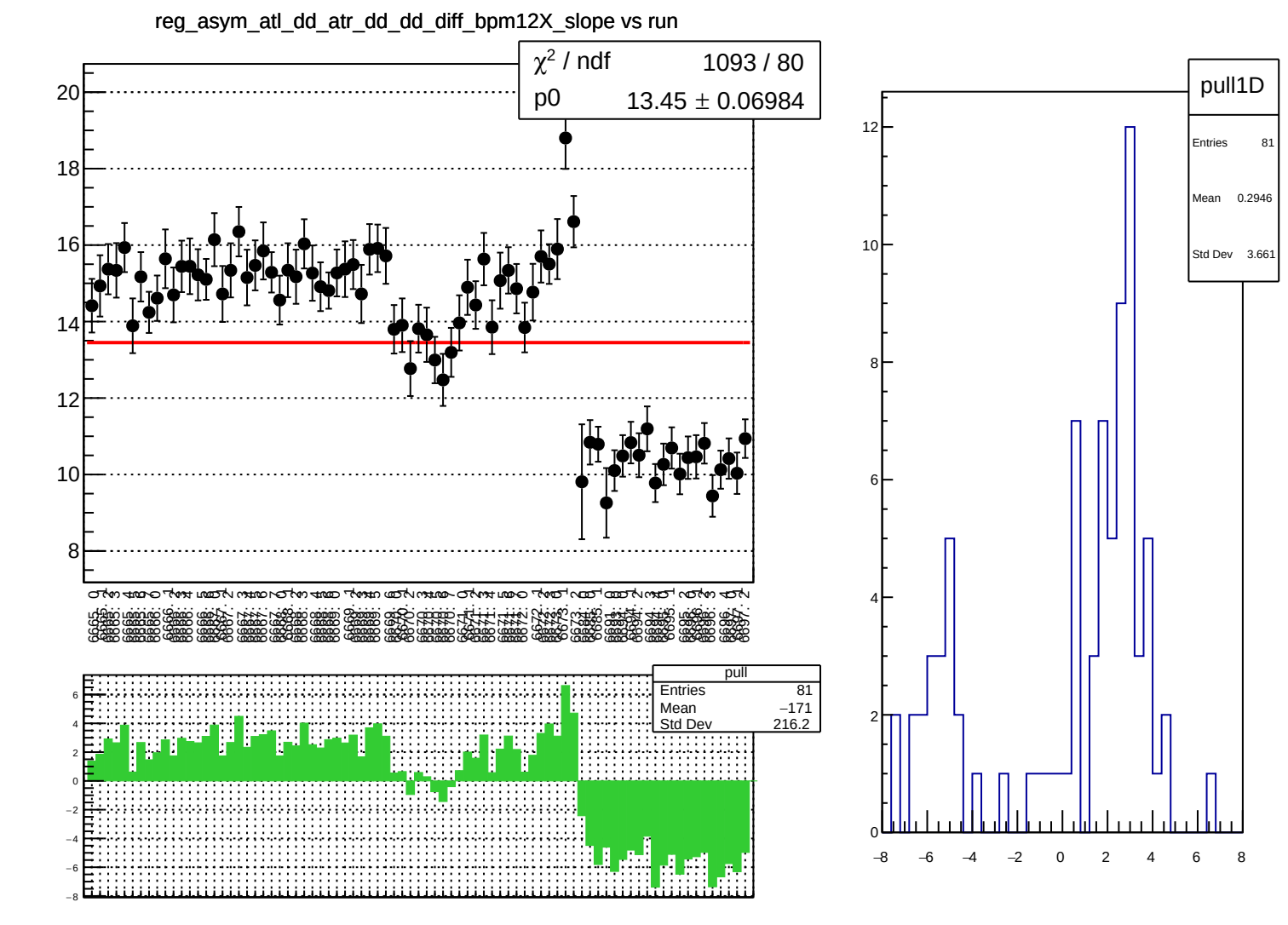

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.62 / 80
p0 1.529 ± 1.453
pull
Entries 81
Mean 162.6
Std Dev 139.6
pull1D
Entries 81
Mean 0.0133
Std Dev 0.865

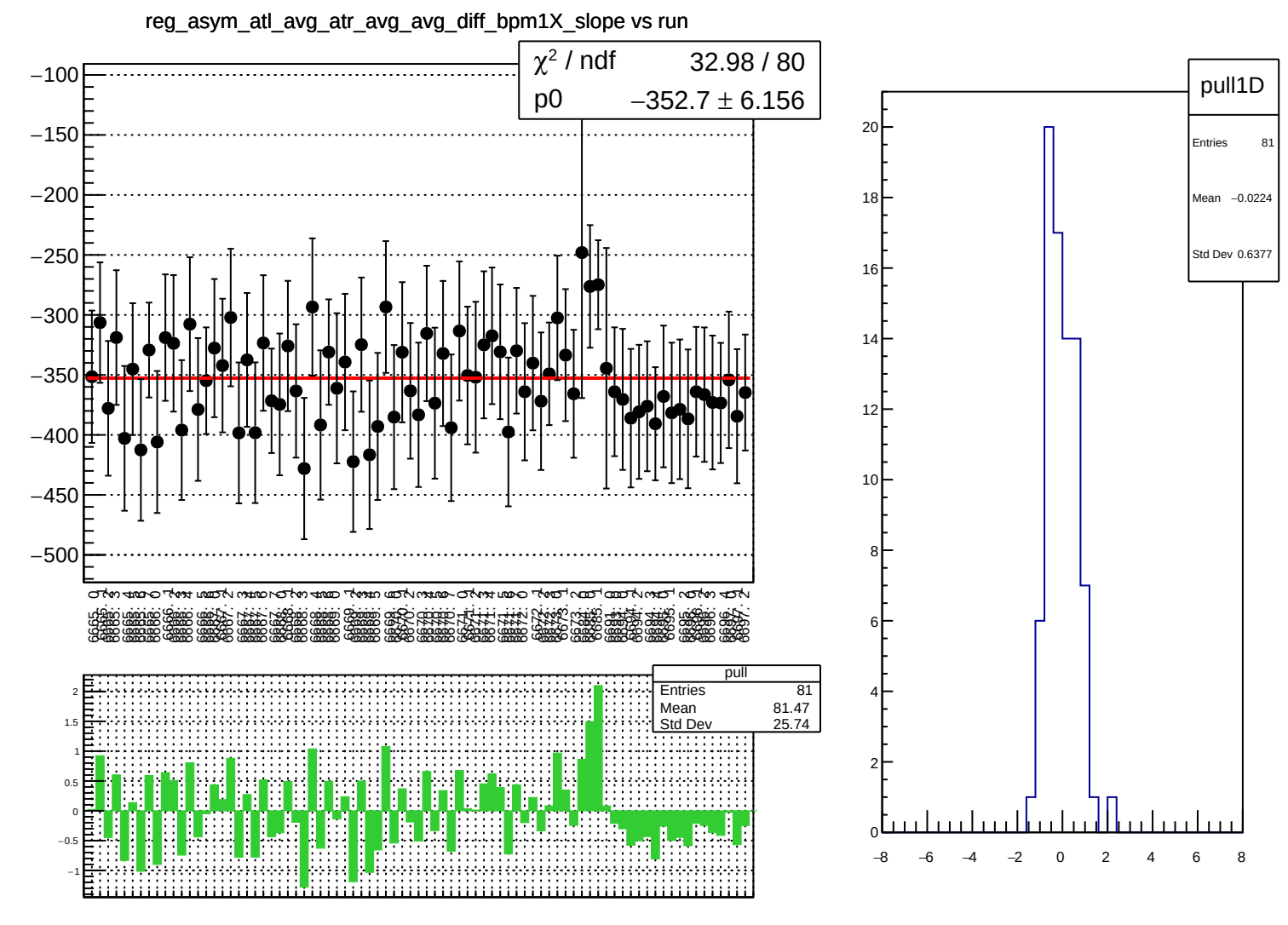

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.52 / 80
p0 36.97 ± 1.773
pull
Entries 81
Mean −105.2
Std Dev 145.1

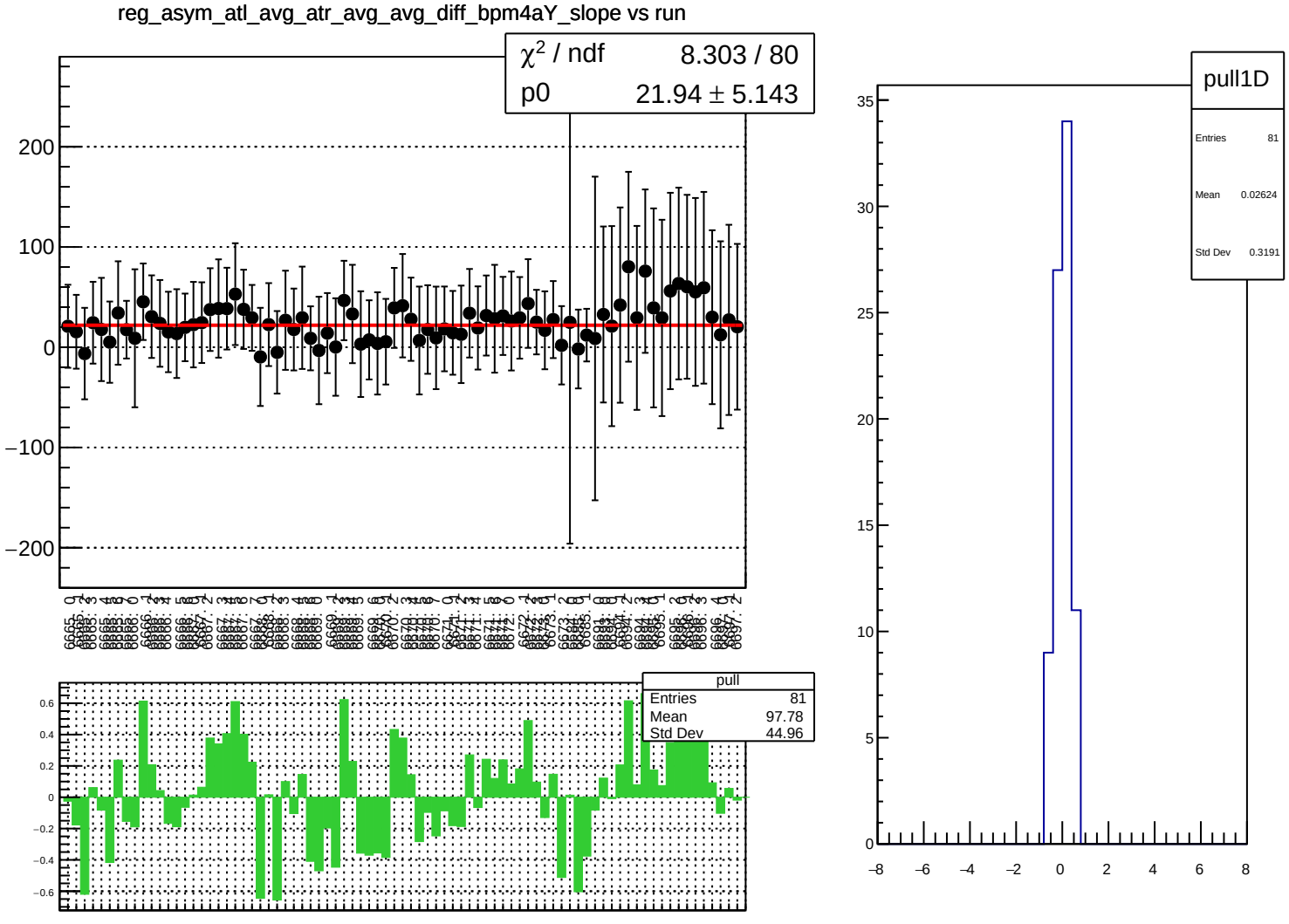

pull1D
Entries 81
Mean −0.04611
Std Dev 0.9645

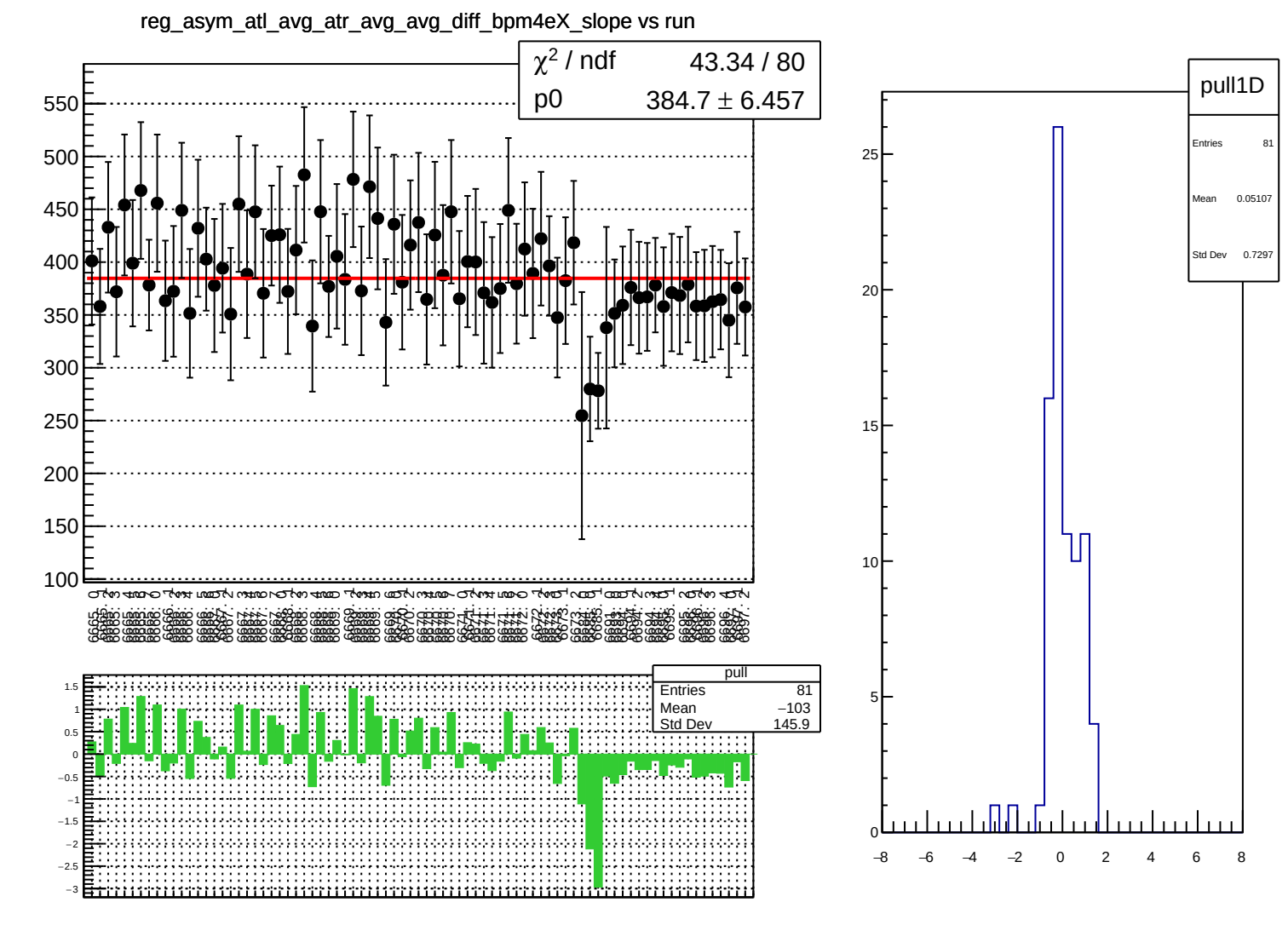

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.75 / 80
p0 −9.626 ± 1.658
pull
Entries 81
Mean −62.77
Std Dev 157.4

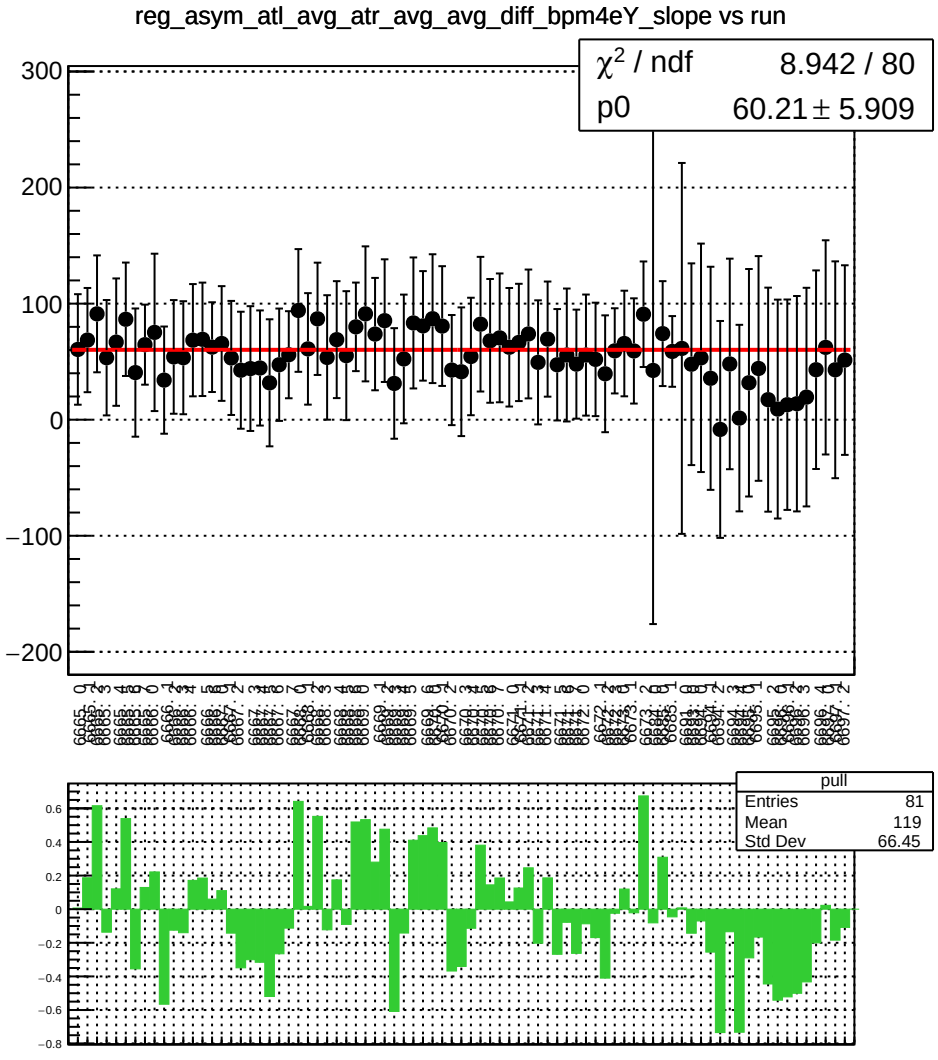

pull1D
Entries 81
Mean −0.004463
Std Dev 0.8871

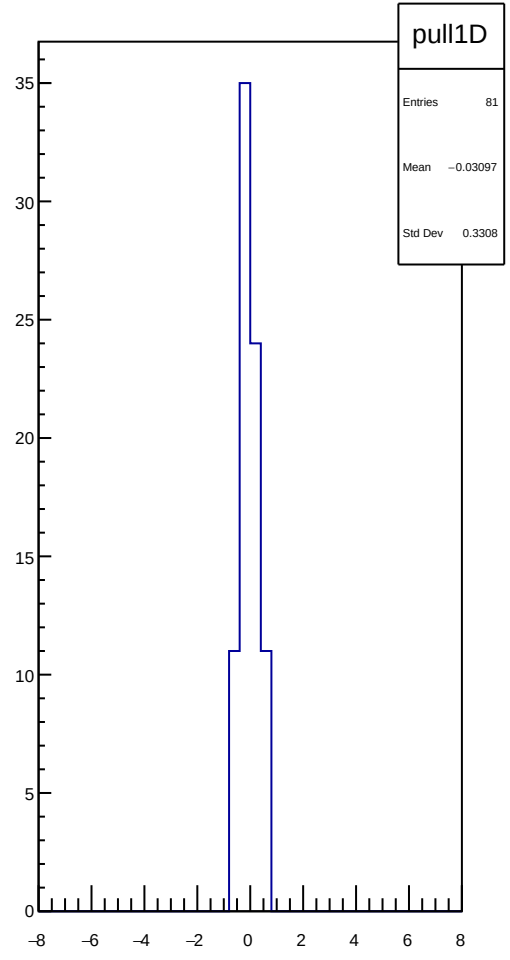

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 1093 / 80
p0 13.45 ± 0.06984
pull
Entries 81
Mean −171
Std Dev 216.2
pull1D
Entries 81
Mean 0.2946
Std Dev 3.661

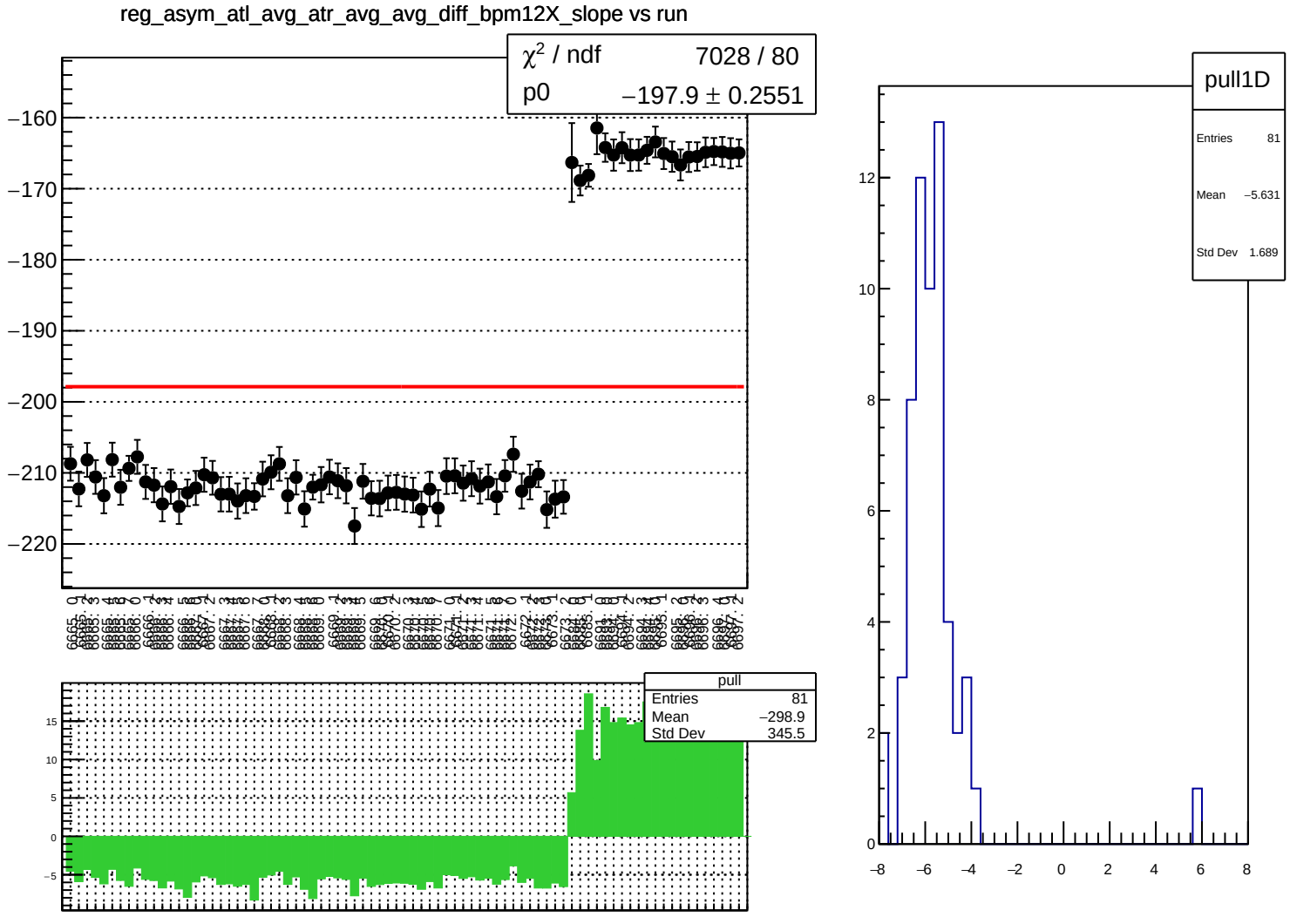

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 32.98 / 80
p0 −352.7 ± 6.156
pull
Entries 81
Mean 81.47
Std Dev 25.74
pull1D
Entries 81
Mean −0.0224
Std Dev 0.6377

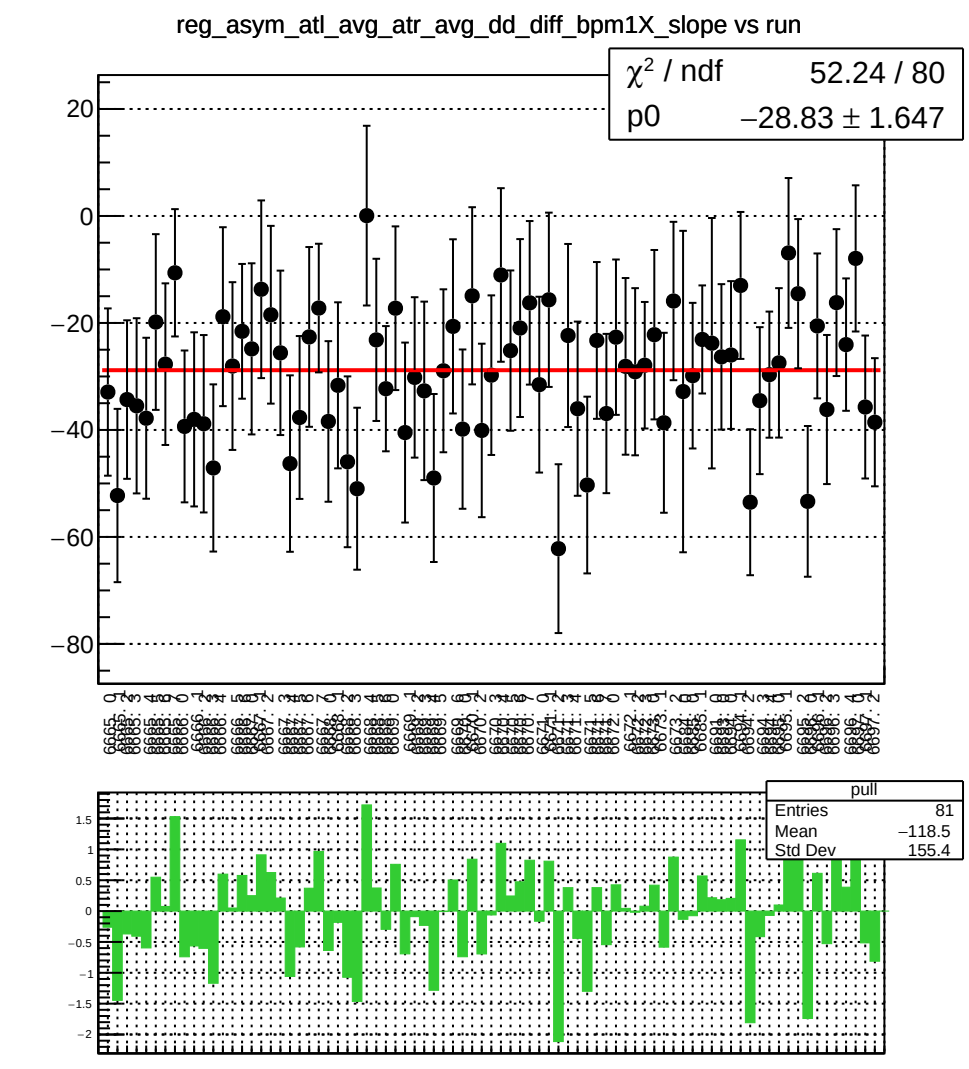

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.303 / 80
p0 21.94 ± 5.143
pull
Entries 81
Mean 97.78
Std Dev 44.96
pull1D
Entries 81
Mean 0.02624
Std Dev 0.3191

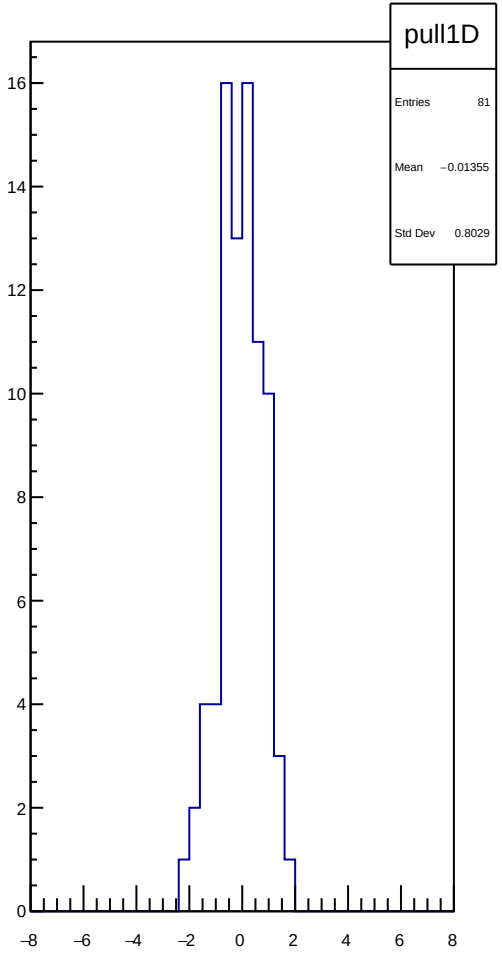

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.34 / 80
p0 384.7 ± 6.457
pull
Entries 81
Mean −103
Std Dev 145.9
pull1D
Entries 81
Mean 0.05107
Std Dev 0.7297

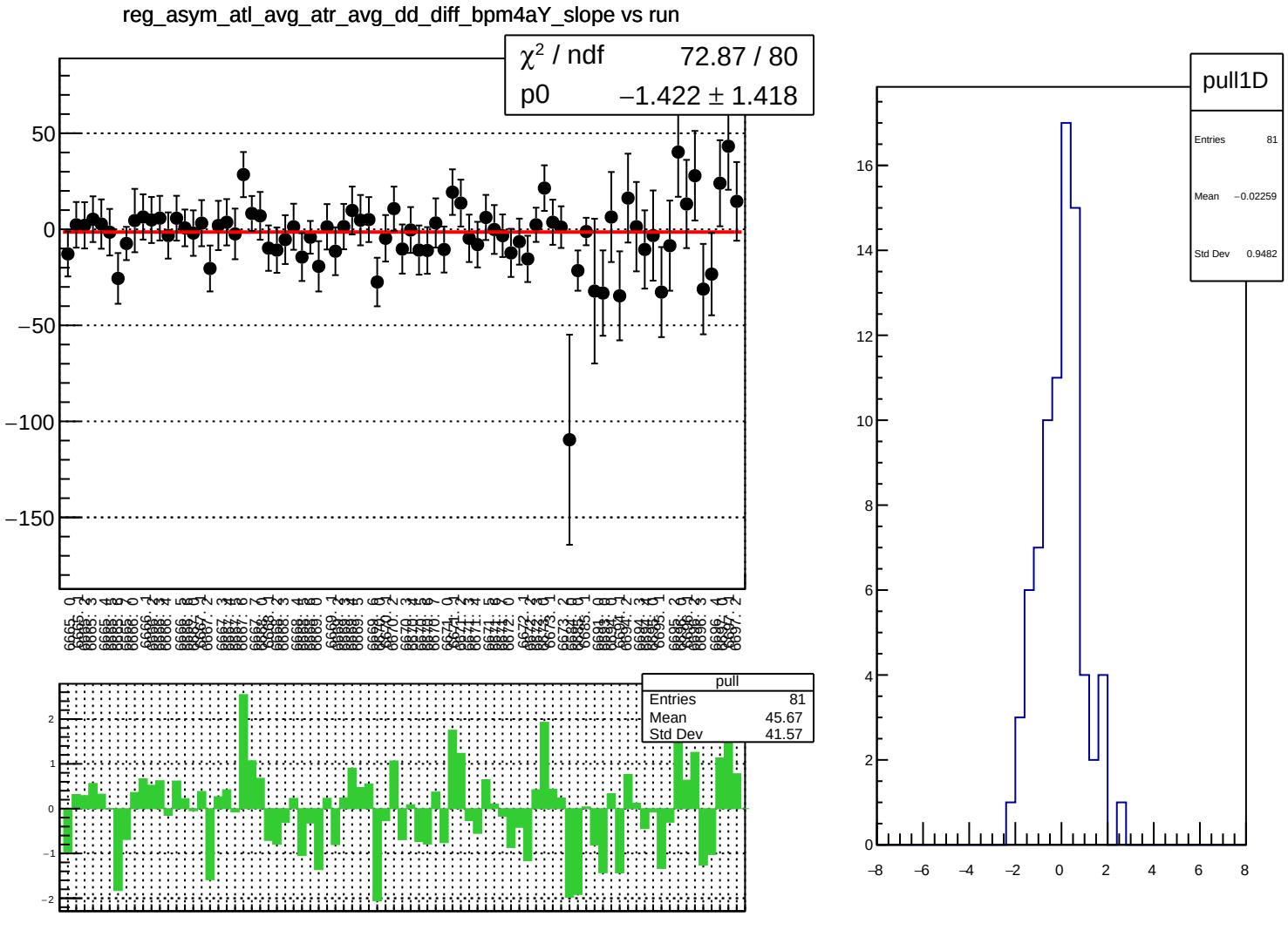

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.942 / 80
p0 60.21 ± 5.909
pull
Entries 81
Mean 119
Std Dev 66.45

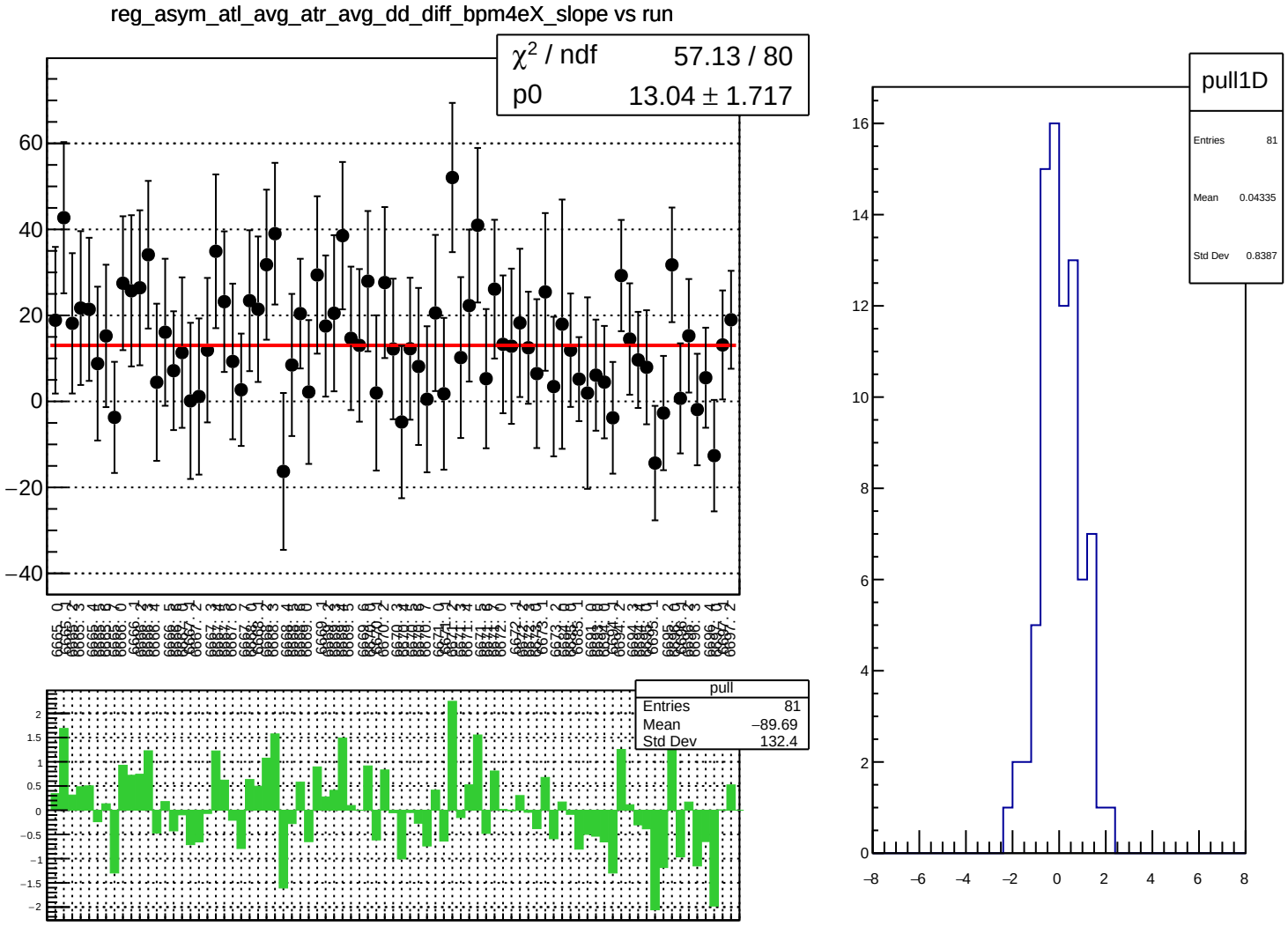

pull1D
Entries 81
Mean −0.03097
Std Dev 0.3308

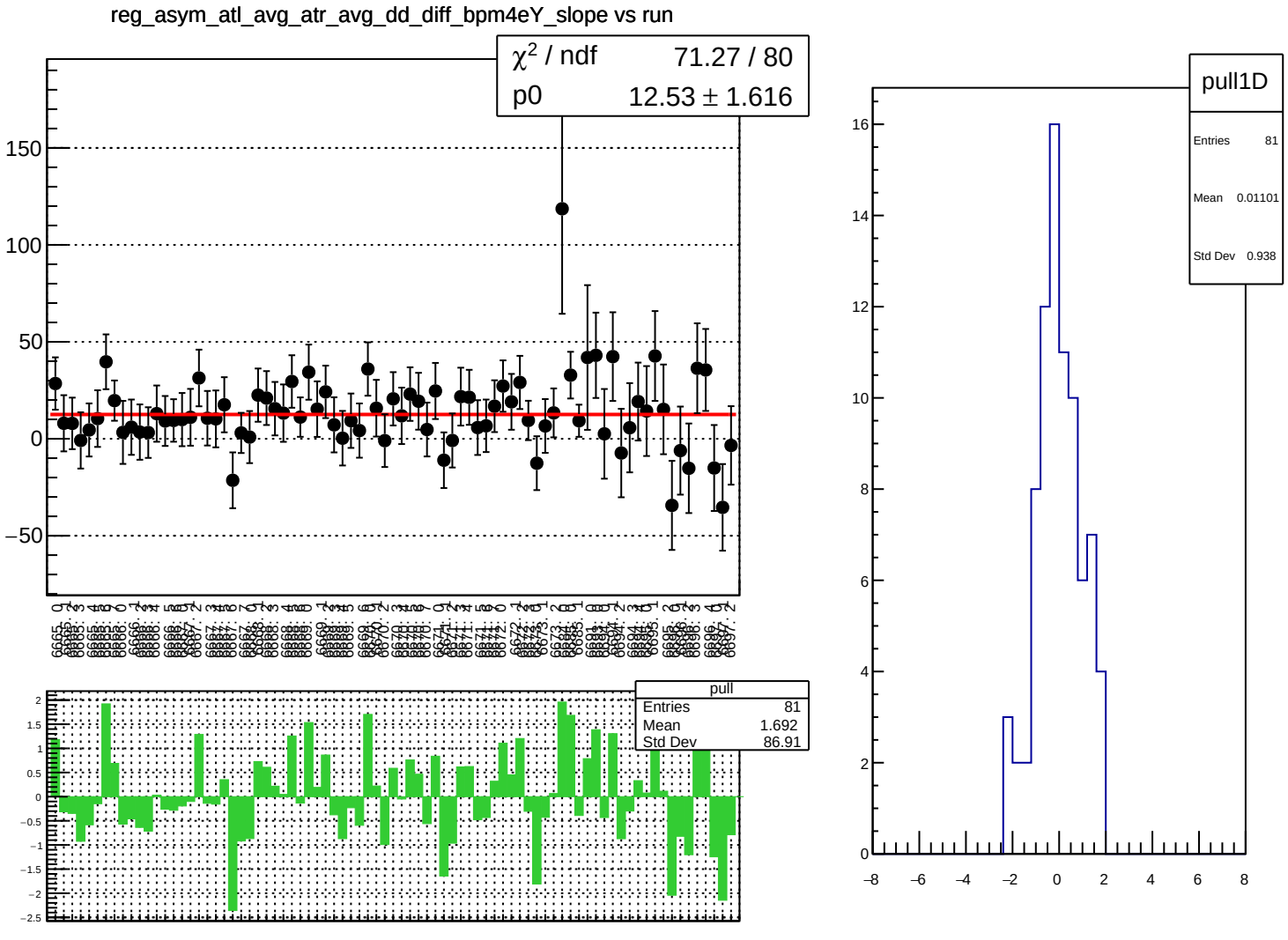

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 7028 / 80
p0 −197.9 ± 0.2551
−160
−170
−180
−190
−200
−210
−220
pull
Entries 81
Mean −298.9
Std Dev 345.5
15
10
5
0
−5
pull1D
Entries 81
Mean −5.631
Std Dev 1.689
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

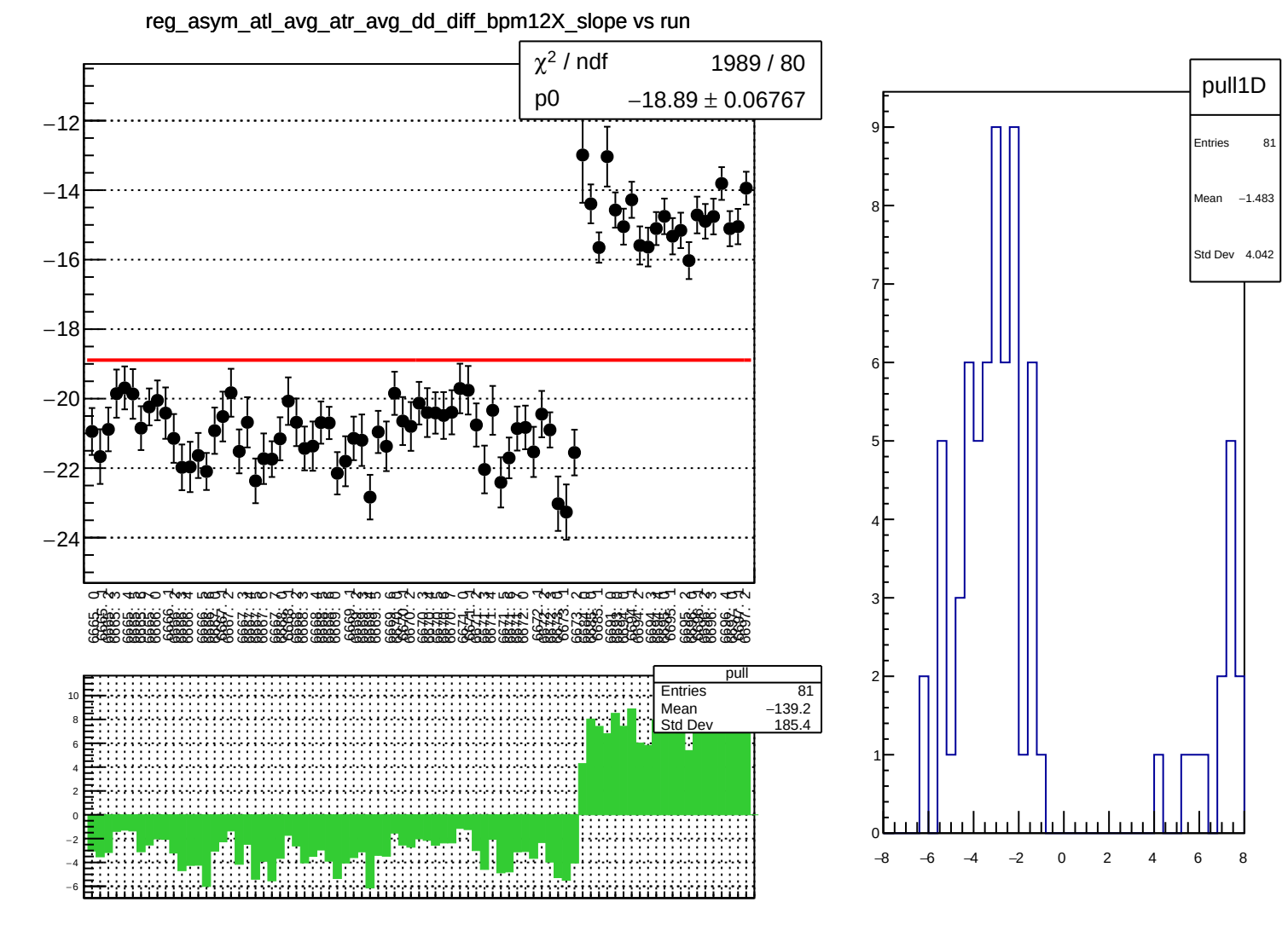

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 52.24 / 80
p0 −28.83 ± 1.647
pull
Entries 81
Mean −118.5
Std Dev 155.4

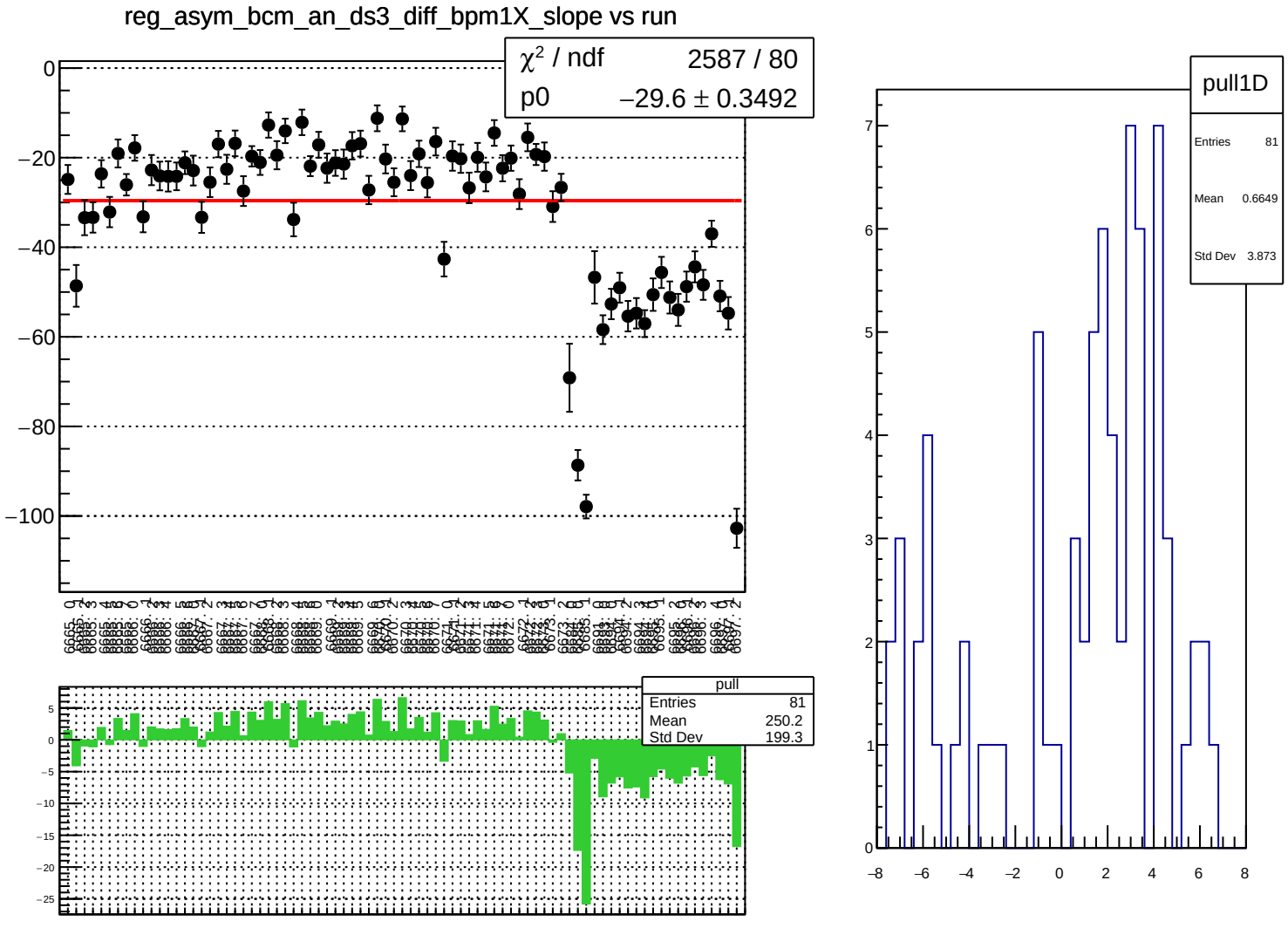

pull1D
Entries 81
Mean −0.01355
Std Dev 0.8029

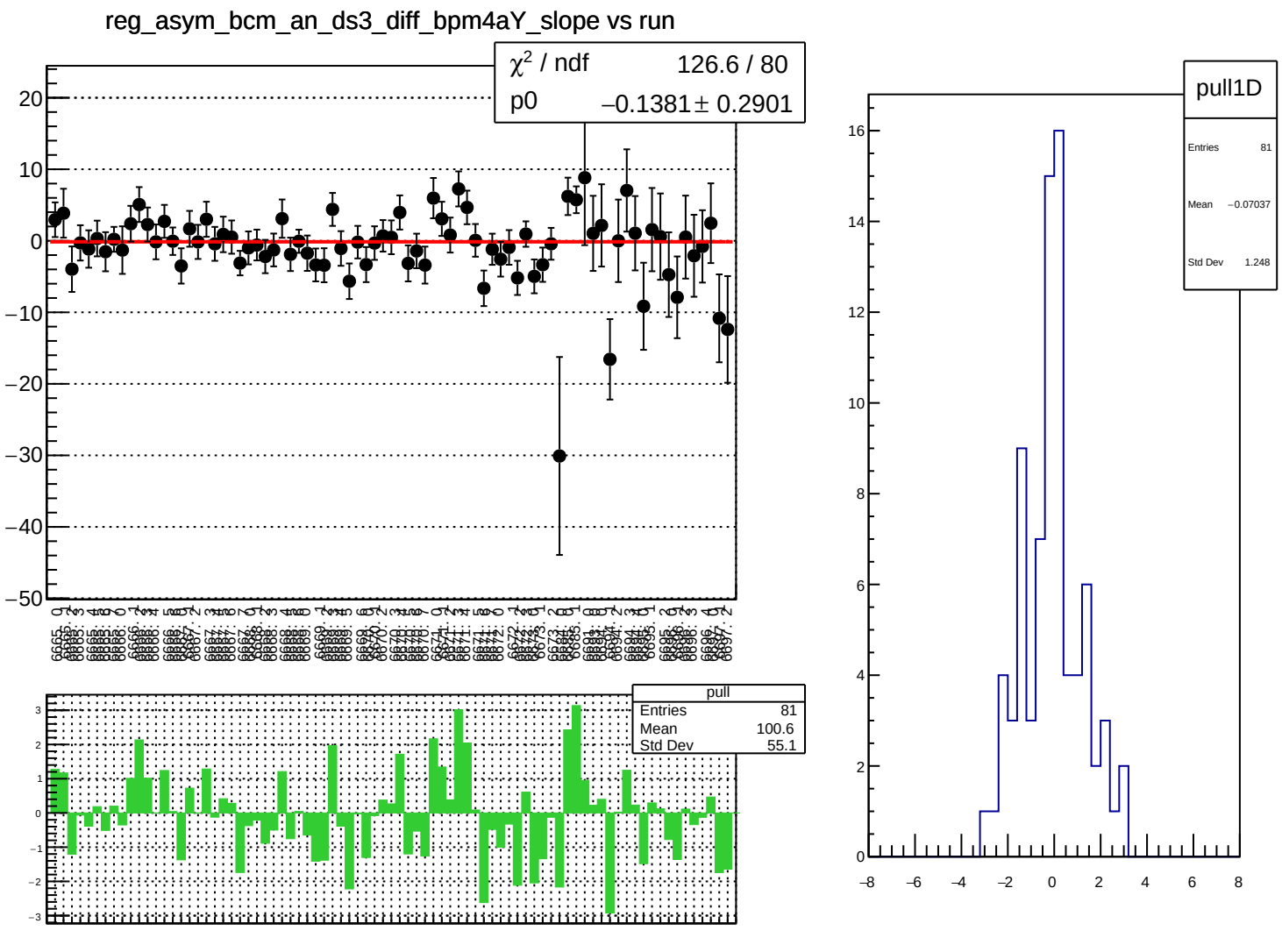

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.87 / 80
p0 −1.422 ± 1.418
pull
Entries 81
Mean 45.67
Std Dev 41.57
pull1D
Entries 81
Mean −0.02259
Std Dev 0.9482

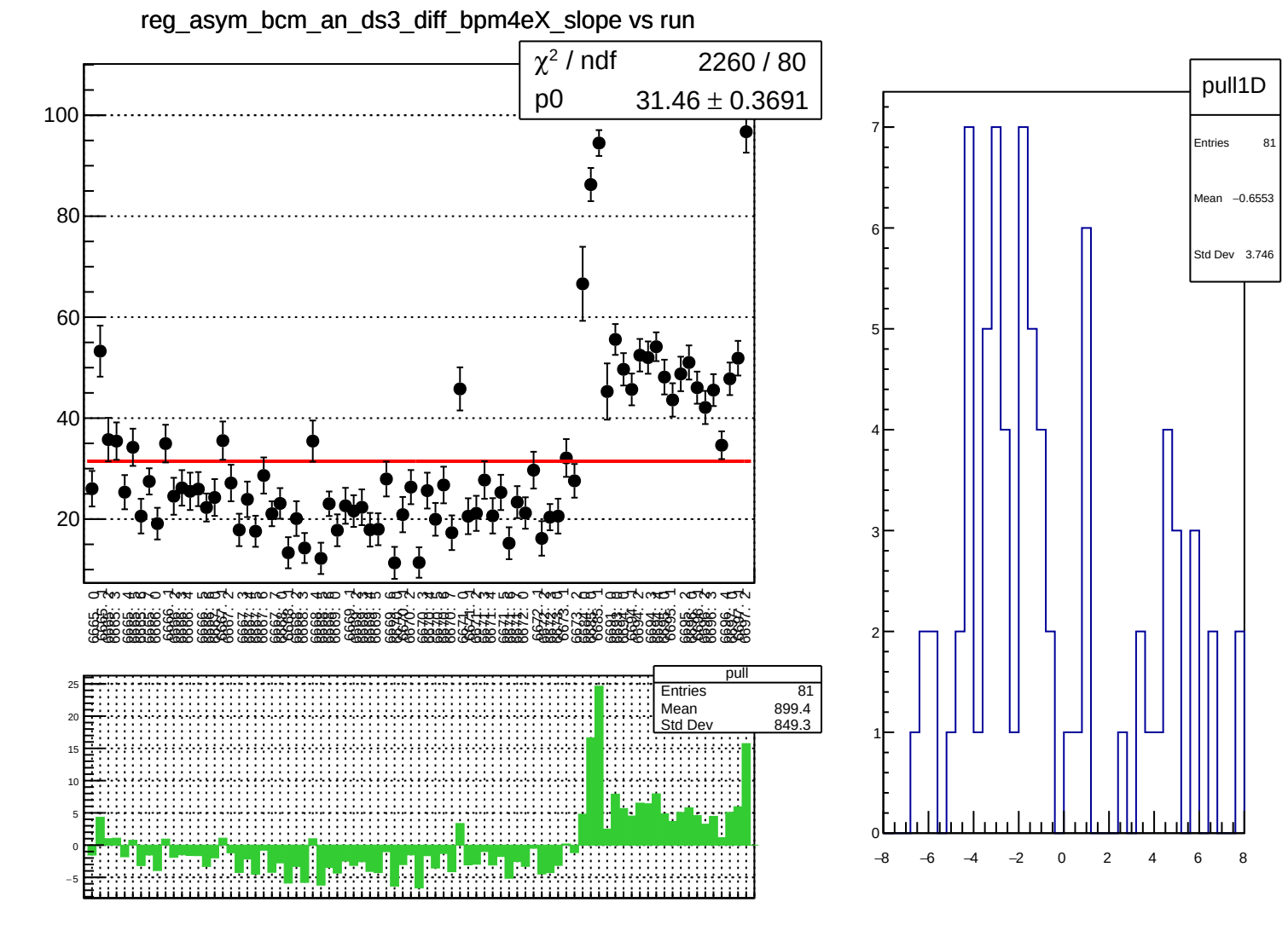

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.13 / 80
p0 13.04 ± 1.717
pull
Entries 81
Mean −89.69
Std Dev 132.4
pull1D
Entries 81
Mean 0.04335
Std Dev 0.8387

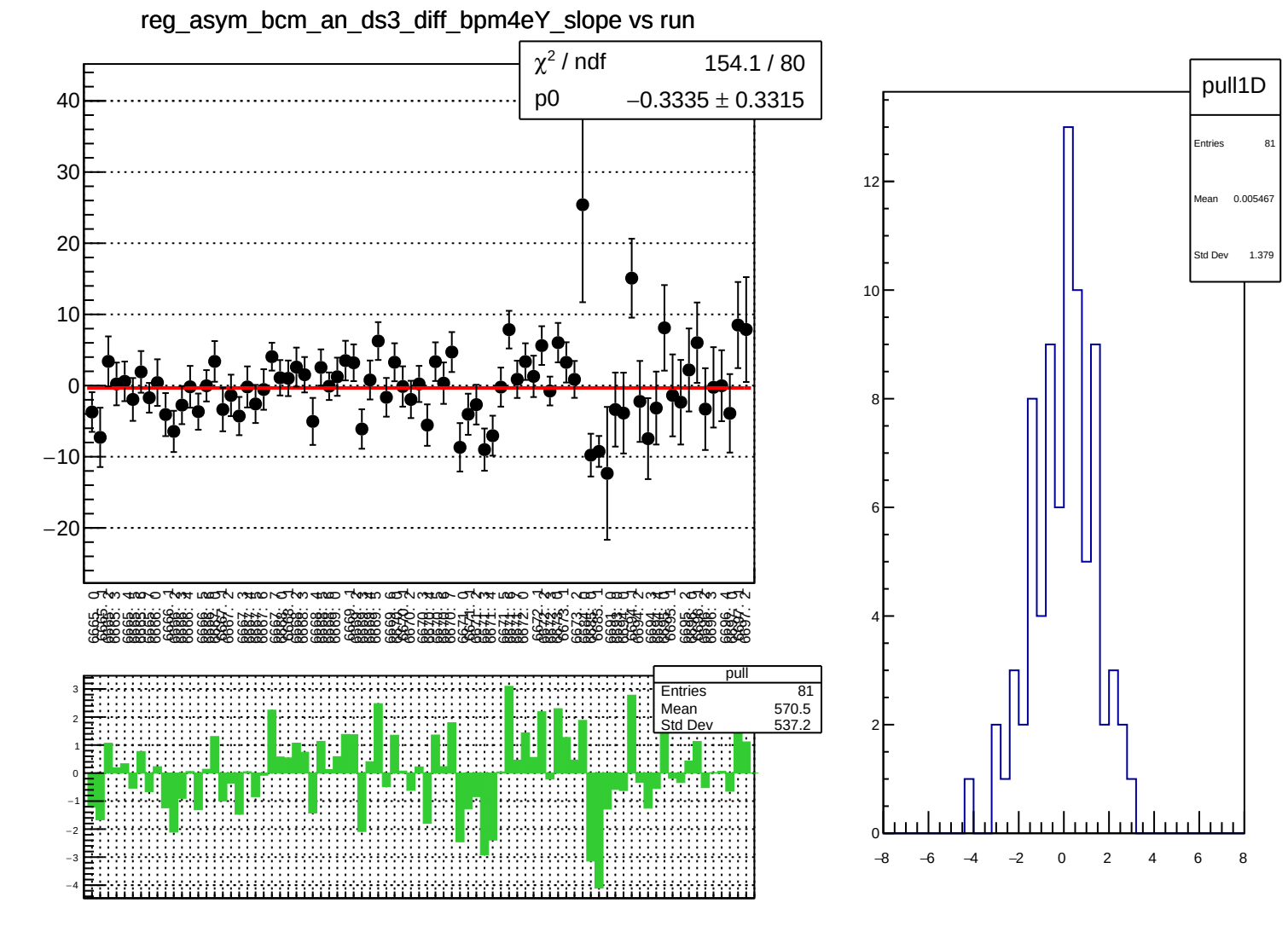

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 71.27 / 80
p0 12.53 ± 1.616
150
100
50
0
−50
pull
Entries 81
Mean 1.692
Std Dev 86.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean 0.01101
Std Dev 0.938
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

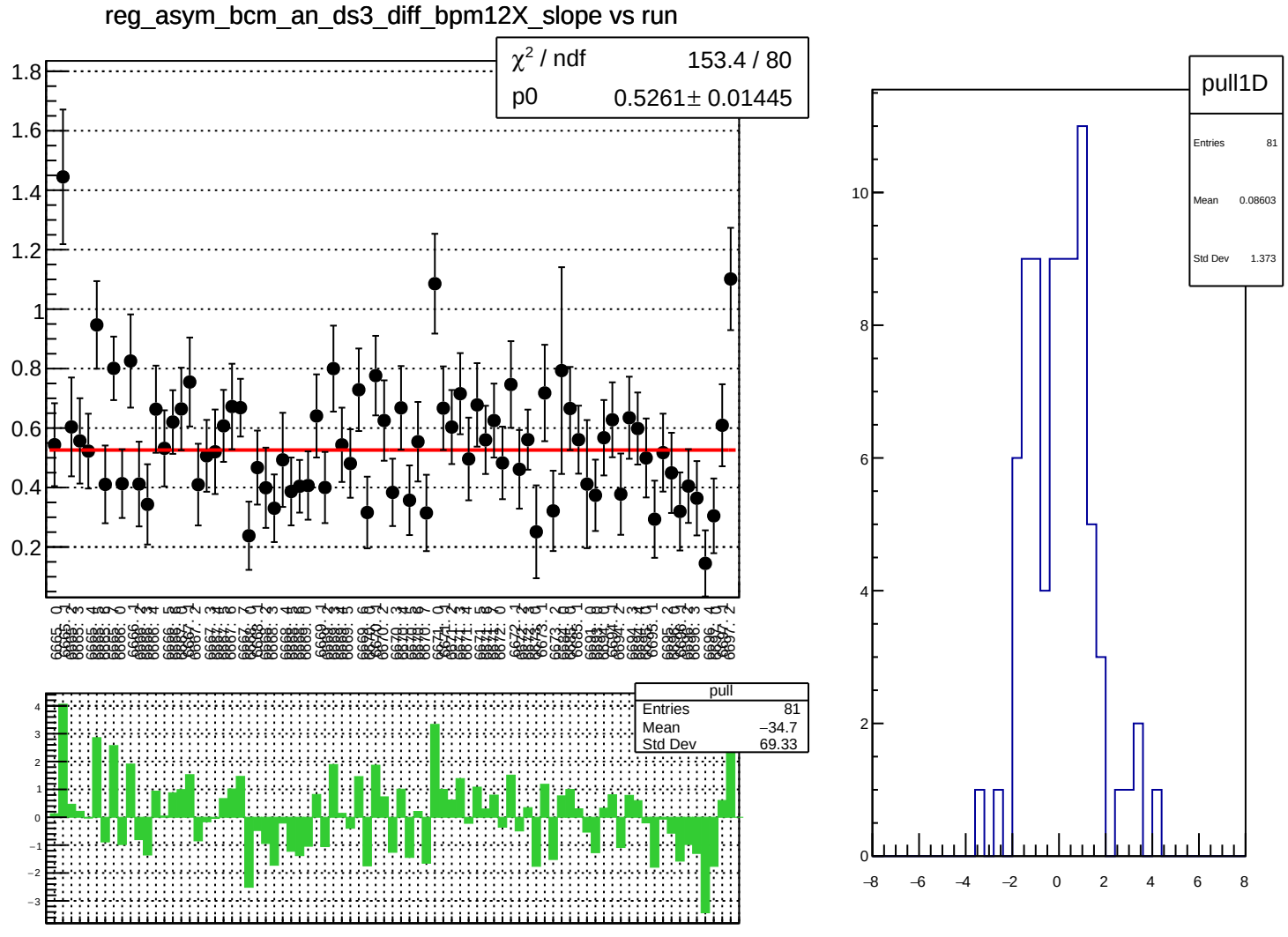

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 1989 / 80
p0 −18.89 ± 0.06767
pull
Entries 81
Mean −139.2
Std Dev 185.4
pull1D
Entries 81
Mean −1.483
Std Dev 4.042

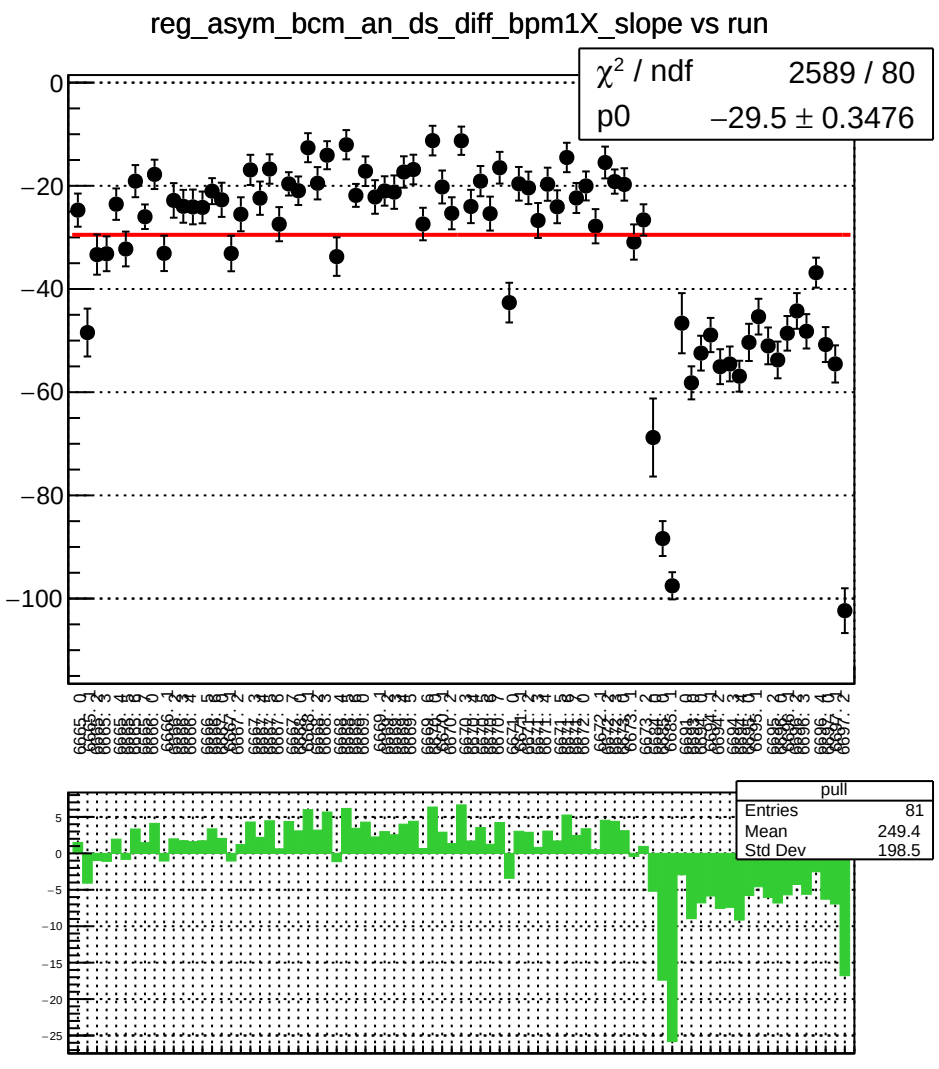

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 2587 / 80
p0 −29.6 ± 0.3492
pull
Entries 81
Mean 250.2
Std Dev 199.3
pull1D
Entries 81
Mean 0.6649
Std Dev 3.873

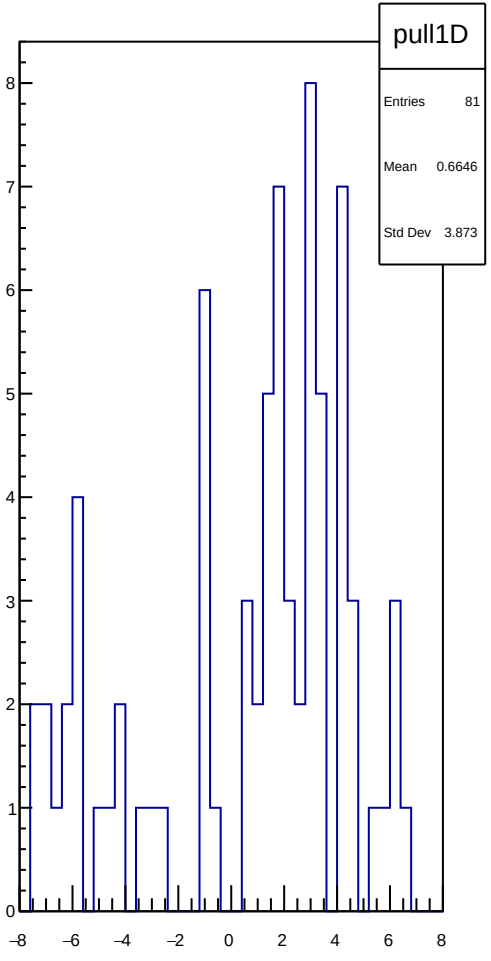

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 126.6 / 80
p0 −0.1381 ± 0.2901
pull
Entries 81
Mean 100.6
Std Dev 55.1
pull1D
Entries 81
Mean −0.07037
Std Dev 1.248

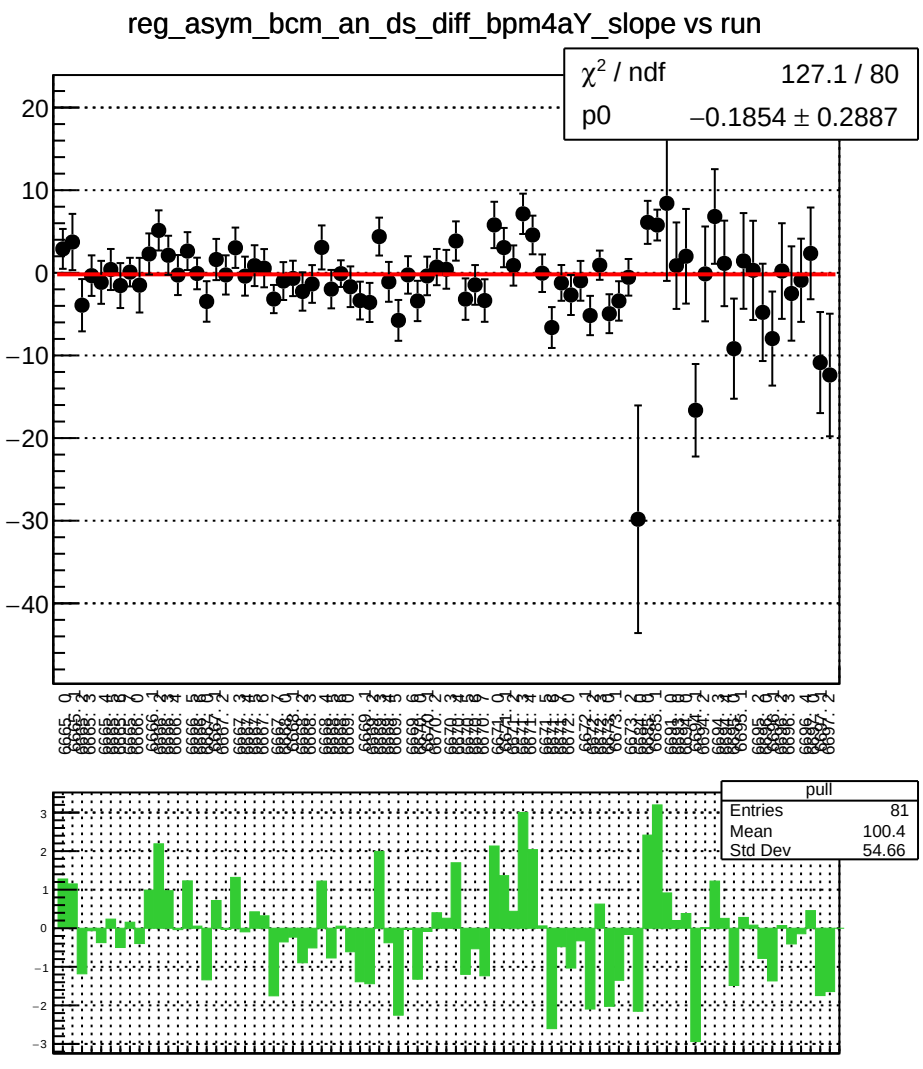

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2260 / 80
p0 31.46 ± 0.3691
pull
Entries 81
Mean 899.4
Std Dev 849.3
pull1D
Entries 81
Mean −0.6553
Std Dev 3.746

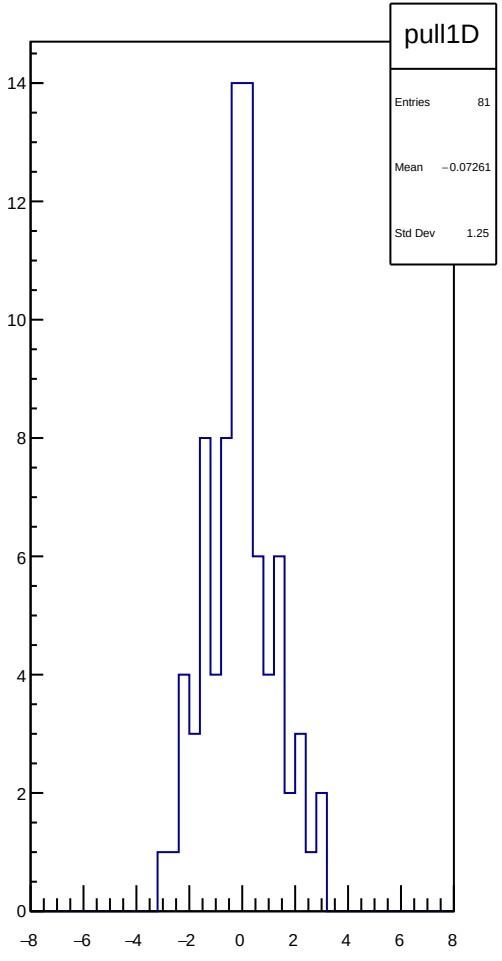

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 154.1 / 80
p0 −0.3335 ± 0.3315
pull
Entries 81
Mean 570.5
Std Dev 537.2
pull1D
Entries 81
Mean 0.005467
Std Dev 1.379

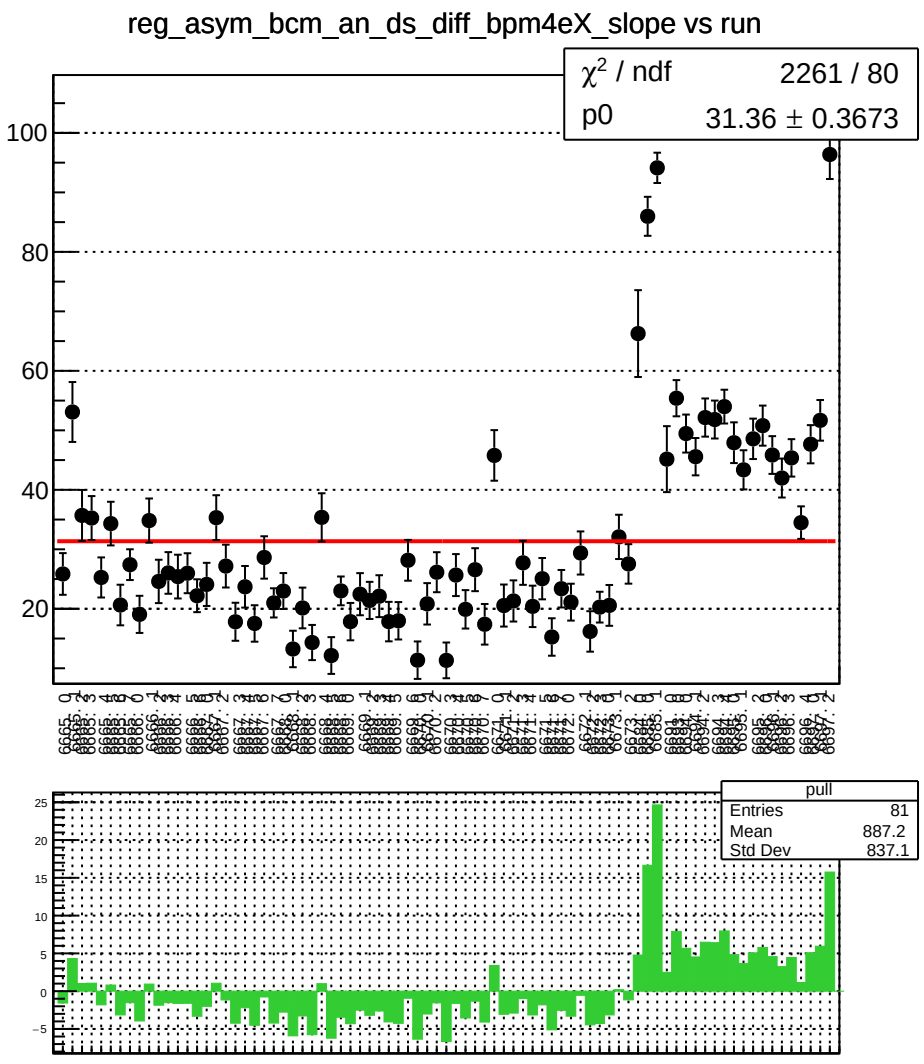

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 153.4 / 80
p0 0.5261± 0.01445
pull
Entries 81
Mean −34.7
Std Dev 69.33
pull1D
Entries 81
Mean 0.08603
Std Dev 1.373

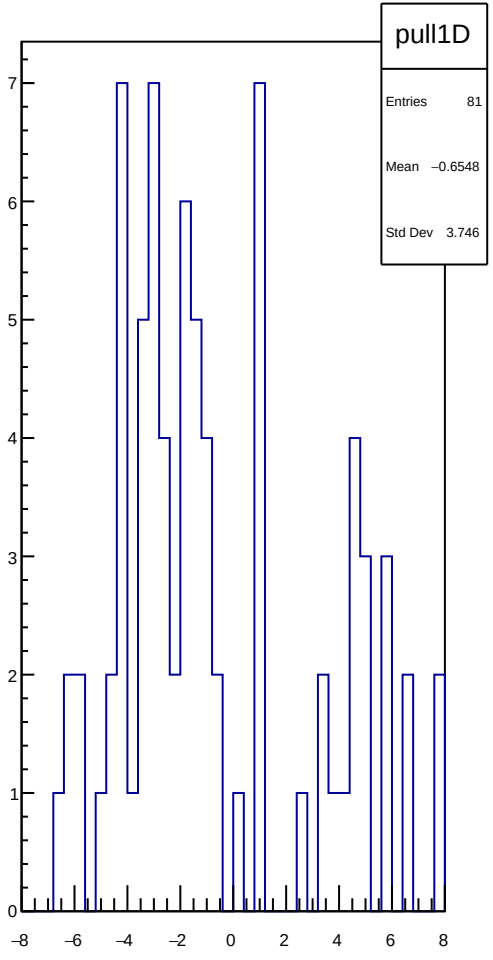

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 2589 / 80
p0 −29.5 ± 0.3476
pull
Entries 81
Mean 249.4
Std Dev 198.5

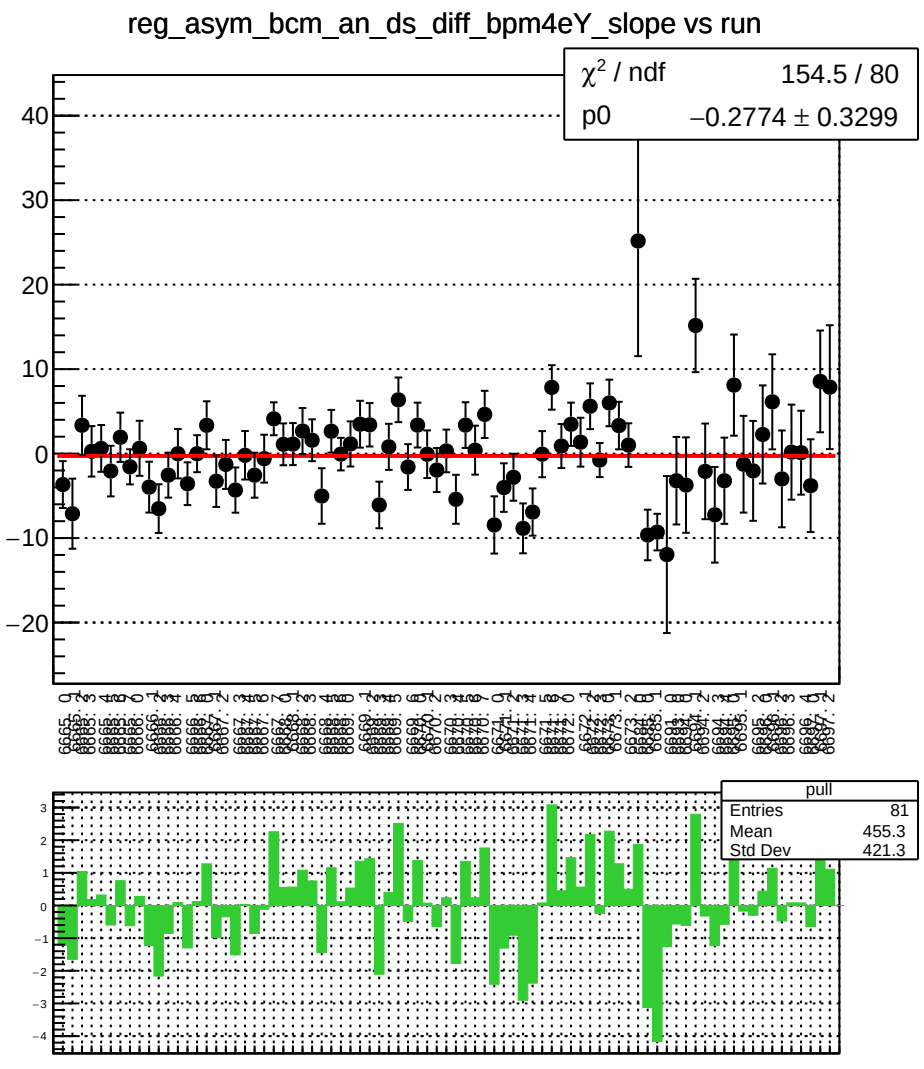

pull1D
Entries 81
Mean 0.6646
Std Dev 3.873

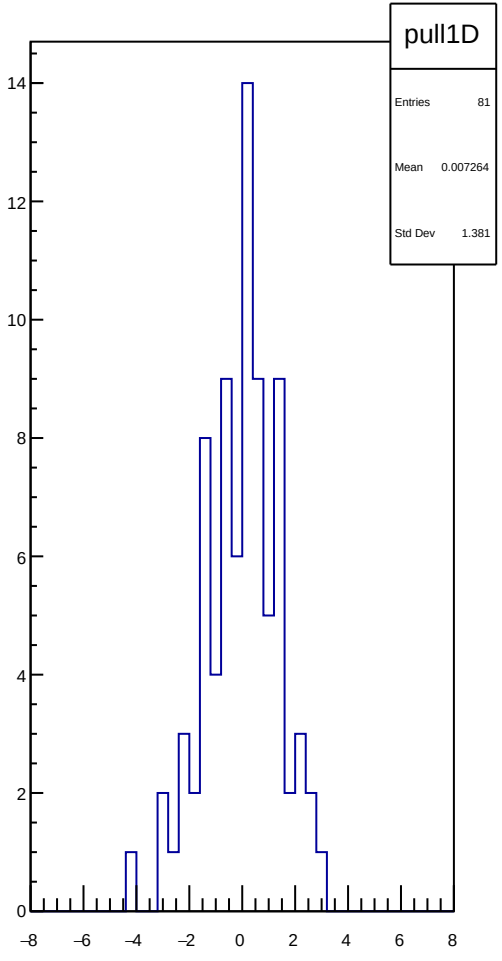

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 127.1 / 80
p0 −0.1854 ± 0.2887
pull
Entries 81
Mean 100.4
Std Dev 54.66

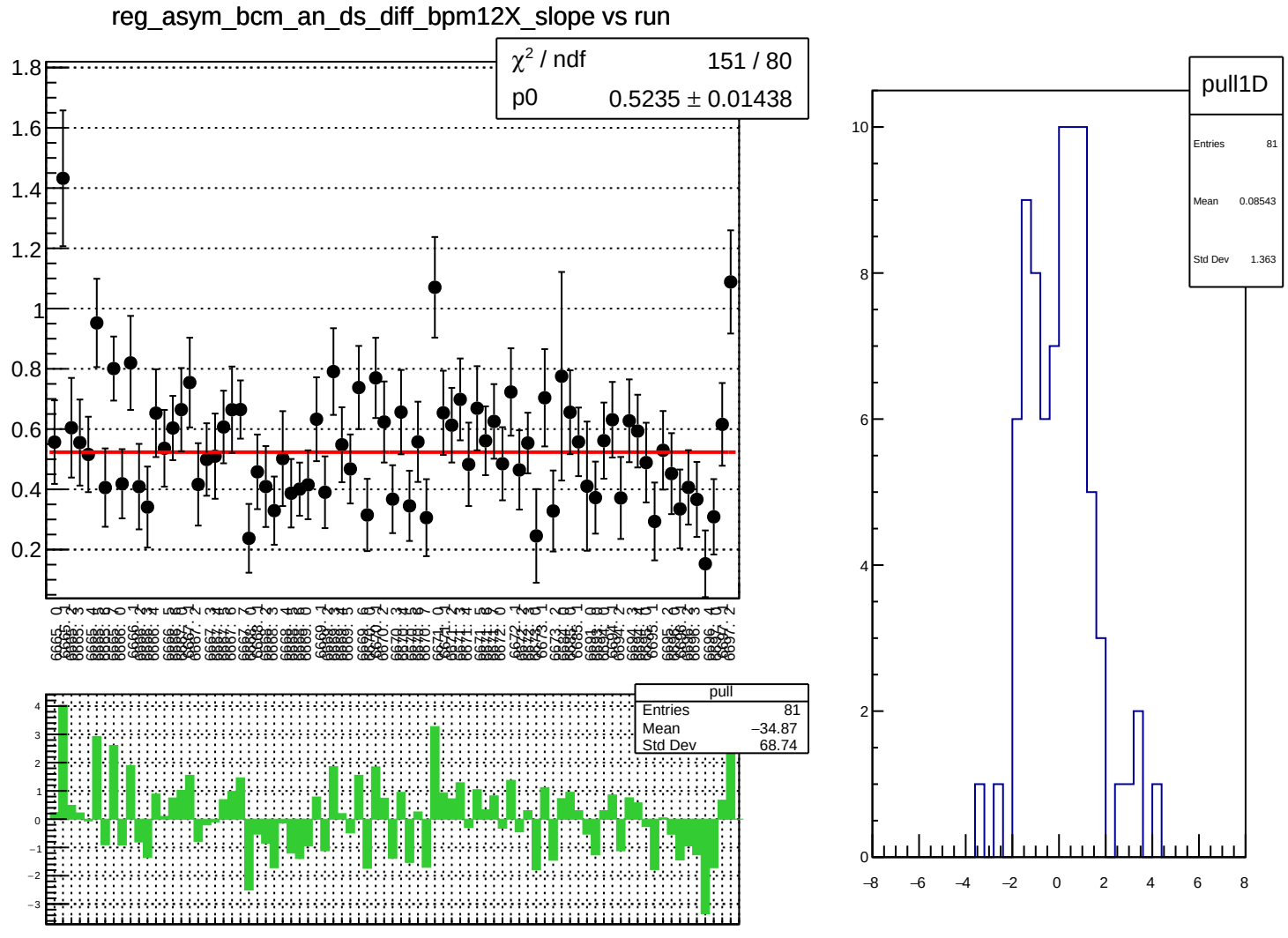

pull1D
Entries 81
Mean −0.07261
Std Dev 1.25

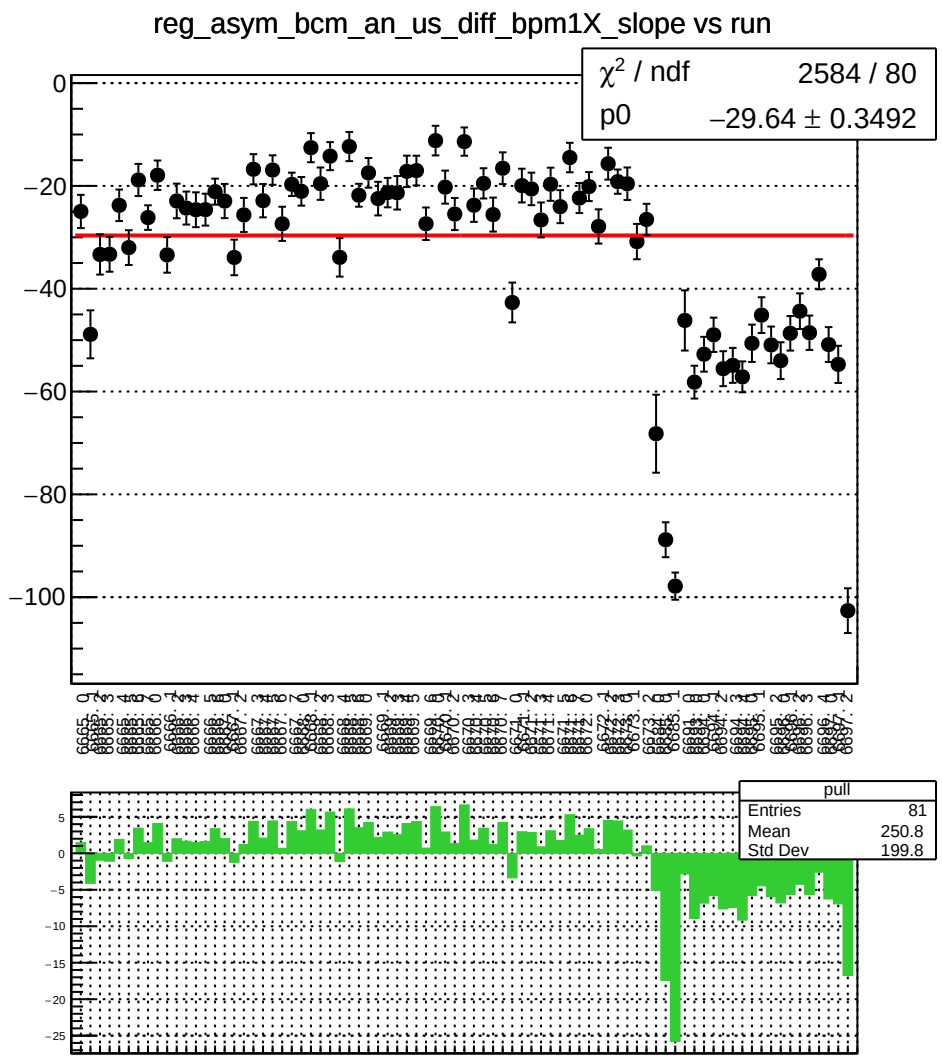

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 2261 / 80
p0 31.36 ± 0.3673
pull
Entries 81
Mean 887.2
Std Dev 837.1

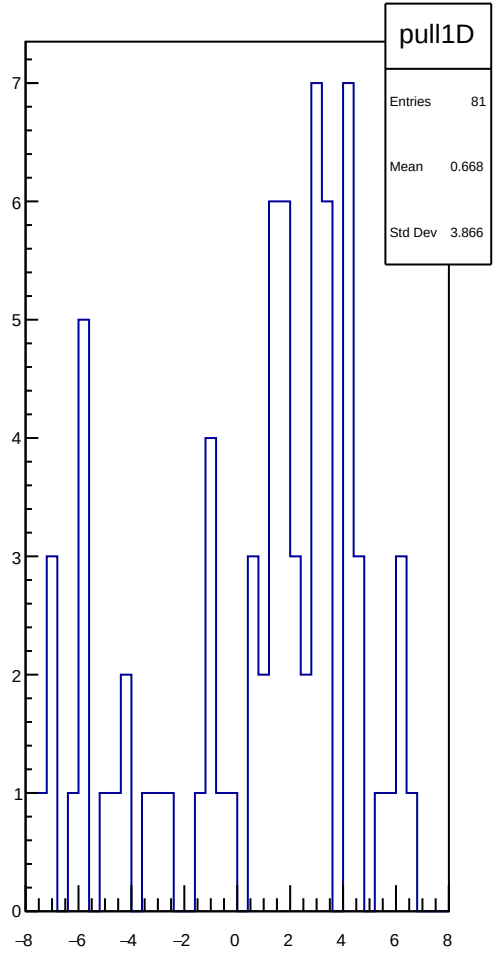

pull1D
Entries 81
Mean −0.6548
Std Dev 3.746

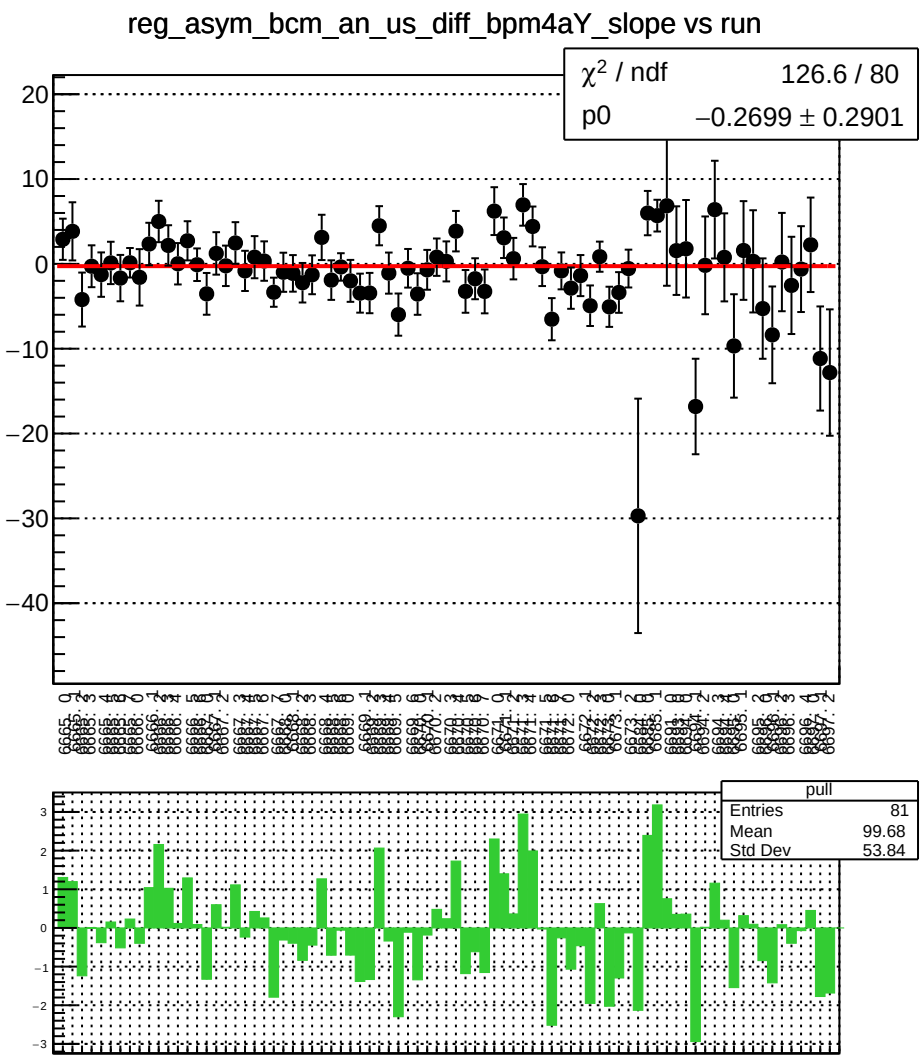

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 154.5 / 80
p0 −0.2774 ± 0.3299
pull
Entries 81
Mean 455.3
Std Dev 421.3

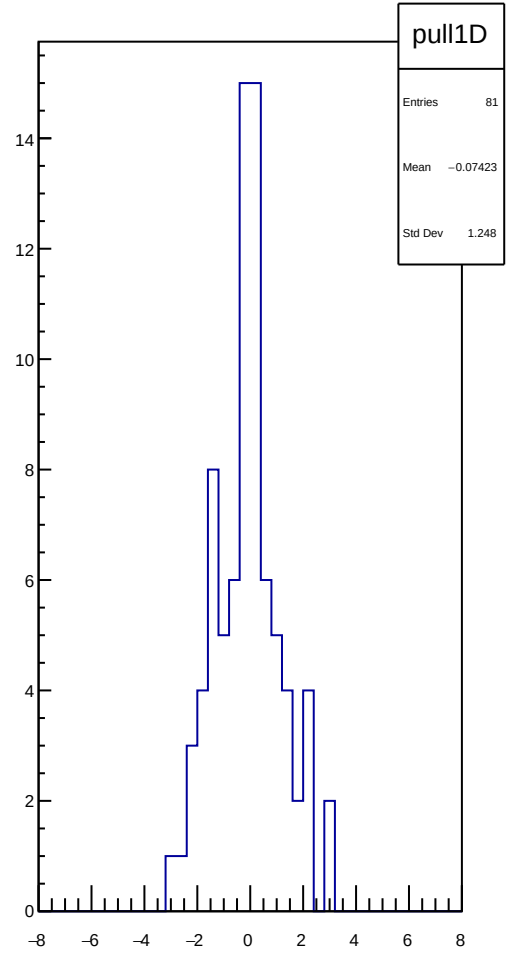

pull1D
Entries 81
Mean 0.007264
Std Dev 1.381

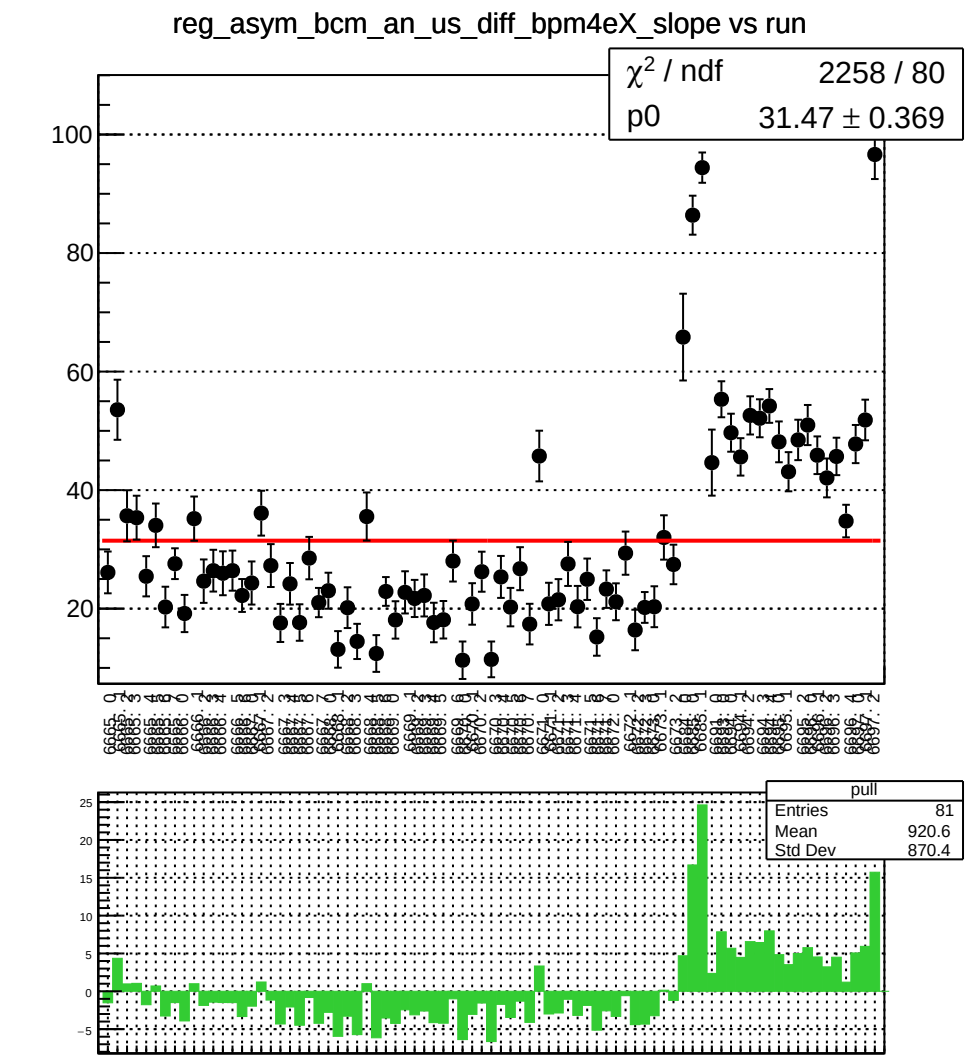

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 151 / 80
p0 0.5235 ± 0.01438
pull
Entries 81
Mean −34.87
Std Dev 68.74
pull1D
Entries 81
Mean 0.08543
Std Dev 1.363

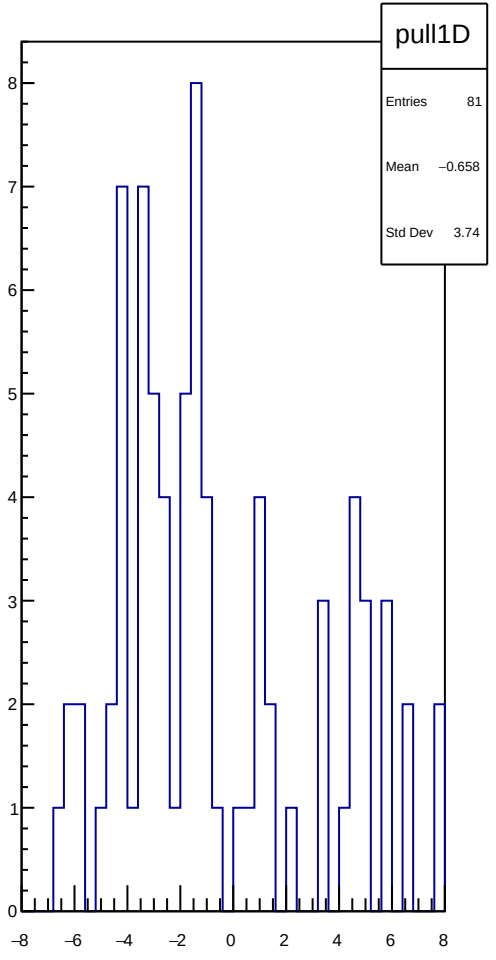

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 2584 / 80
p0 −29.64 ± 0.3492
pull
Entries 81
Mean 250.8
Std Dev 199.8

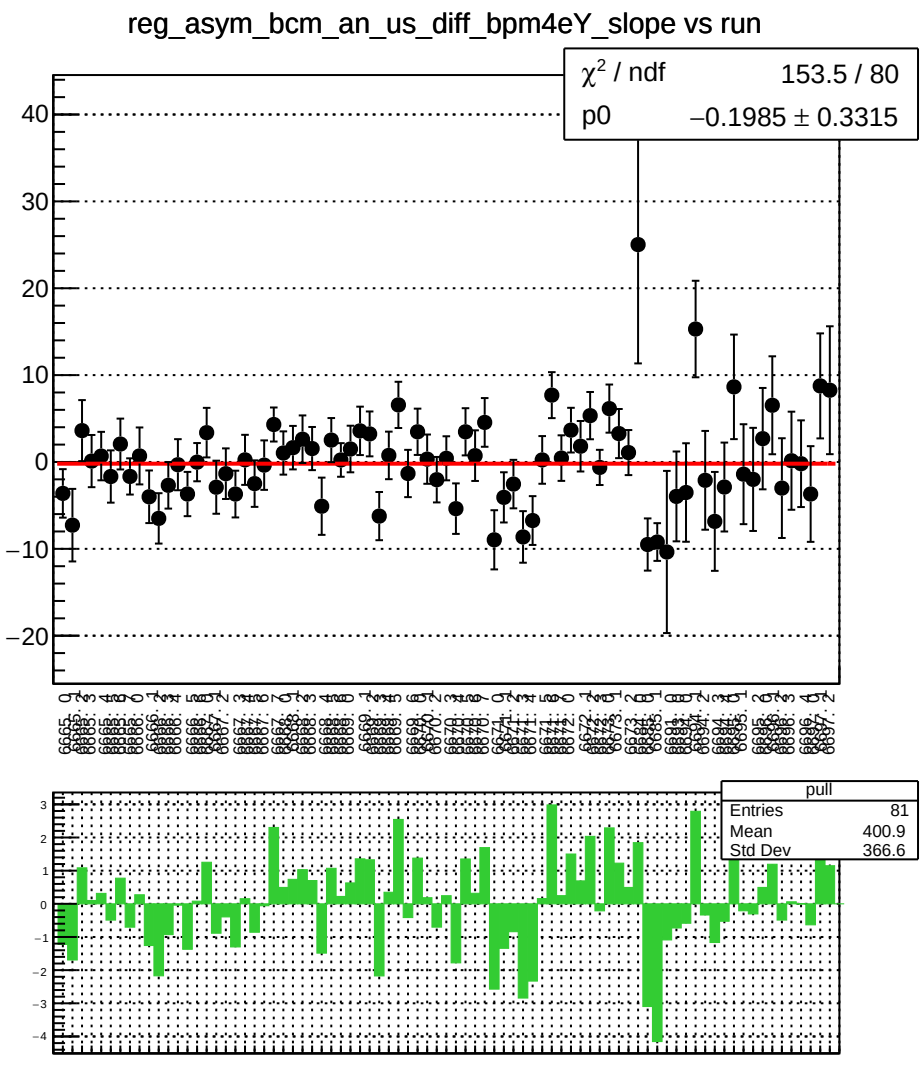

pull1D
Entries 81
Mean 0.668
Std Dev 3.866

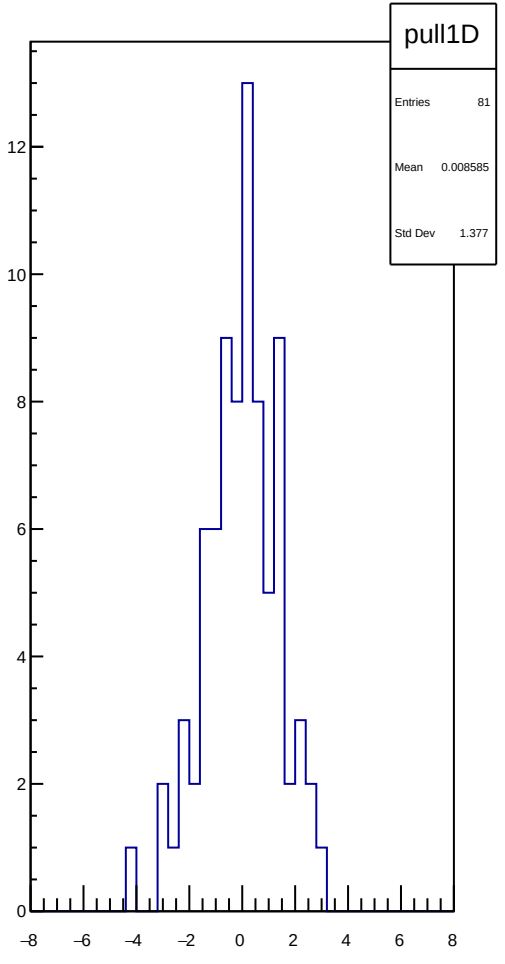

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 126.6 / 80
p0 −0.2699 ± 0.2901
pull
Entries 81
Mean 99.68
Std Dev 53.84

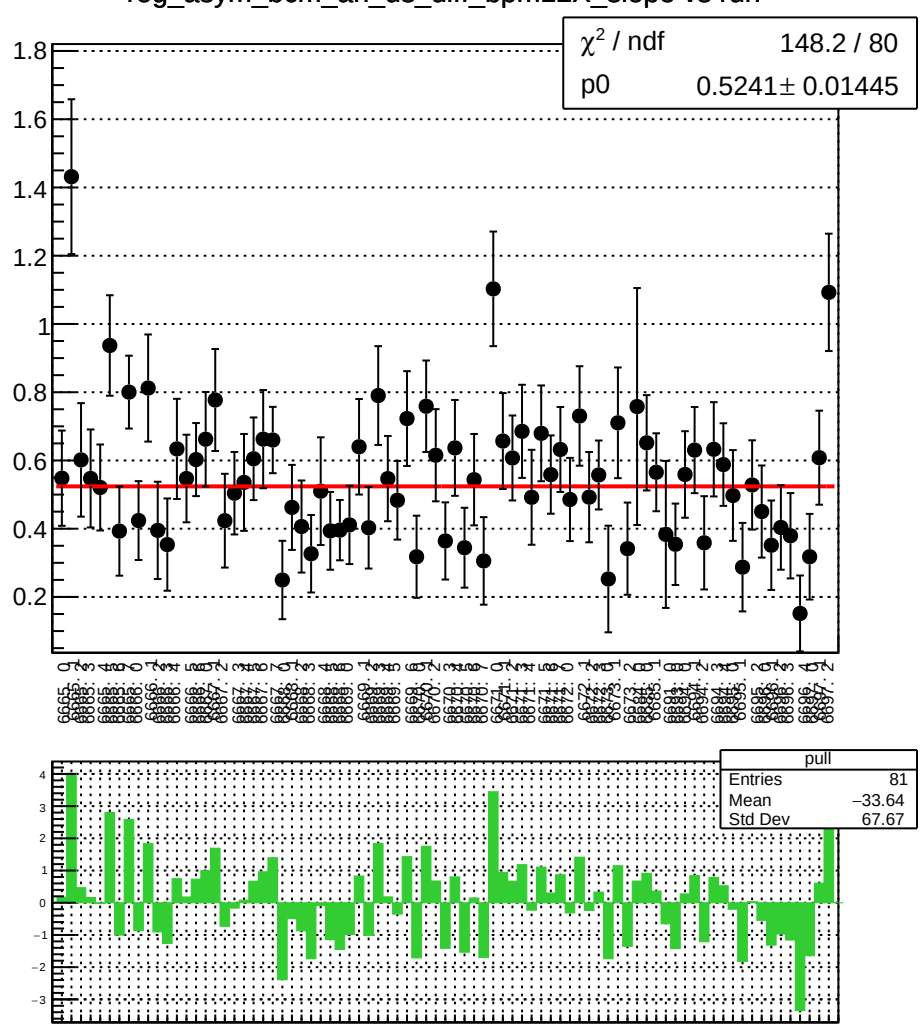

pull1D
Entries 81
Mean −0.07423
Std Dev 1.248

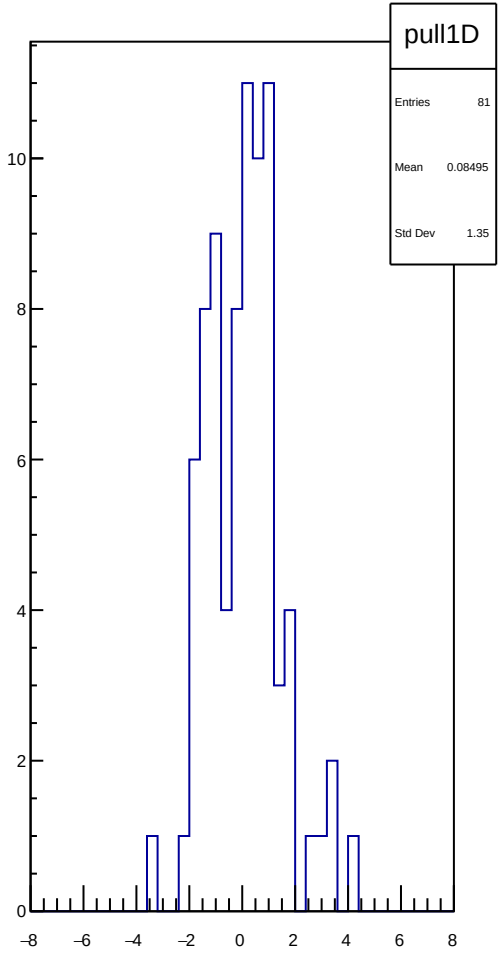

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2258 / 80
p0 31.47 ± 0.369
pull
Entries 81
Mean 920.6
Std Dev 870.4

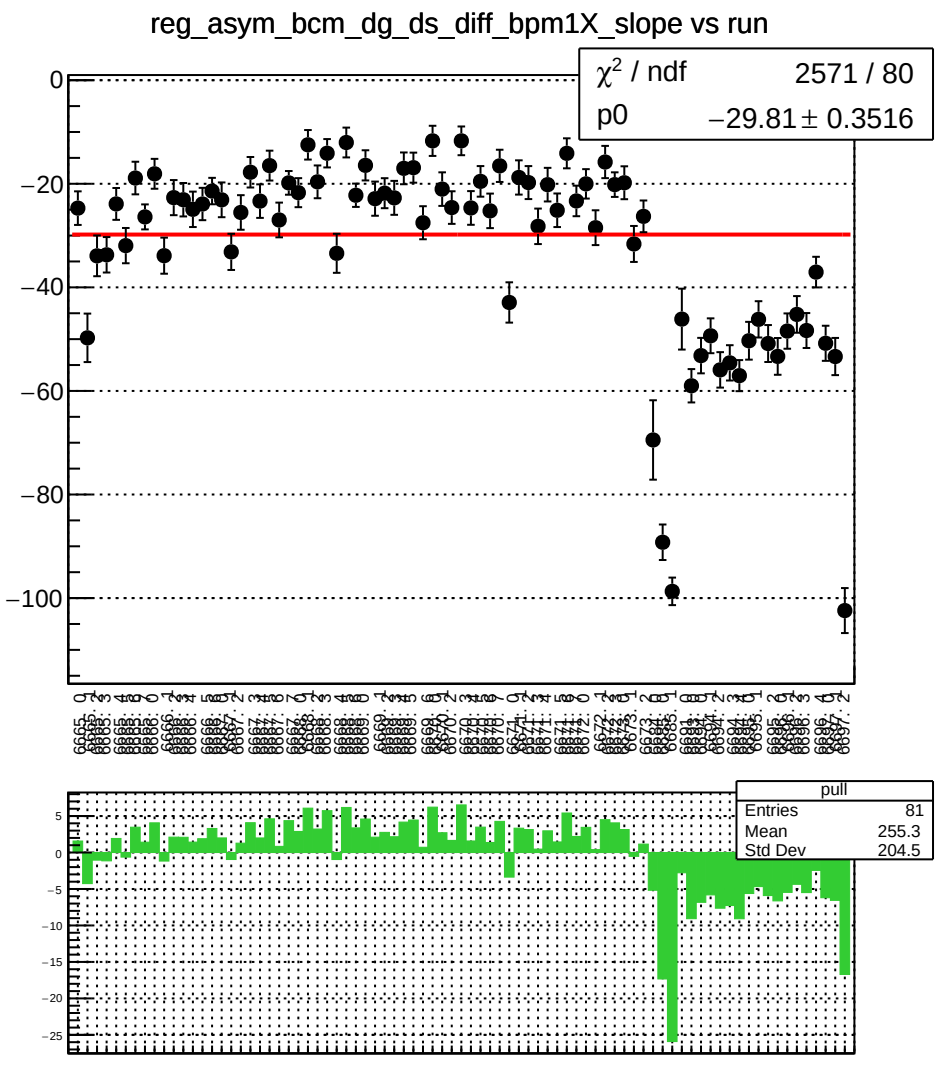

pull1D
Entries 81
Mean −0.658
Std Dev 3.74

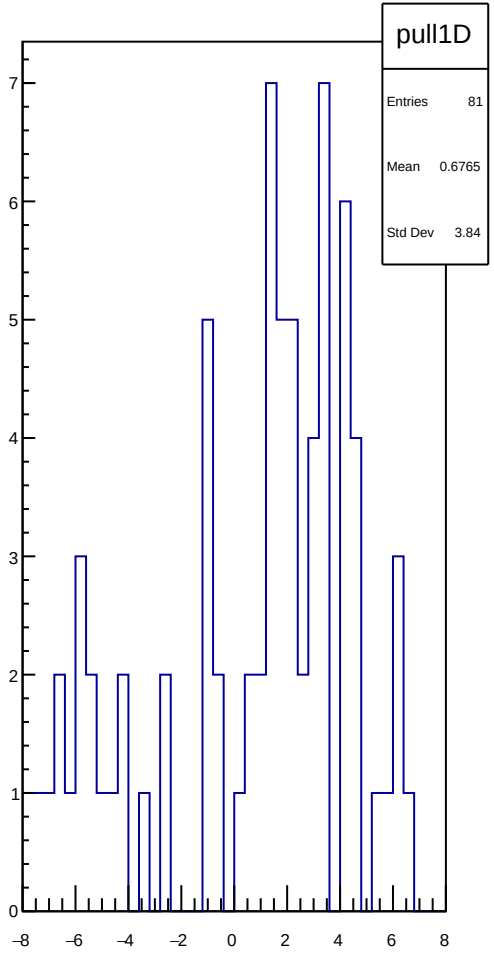

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 153.5 / 80
p0 −0.1985 ± 0.3315
pull
Entries 81
Mean 400.9
Std Dev 366.6

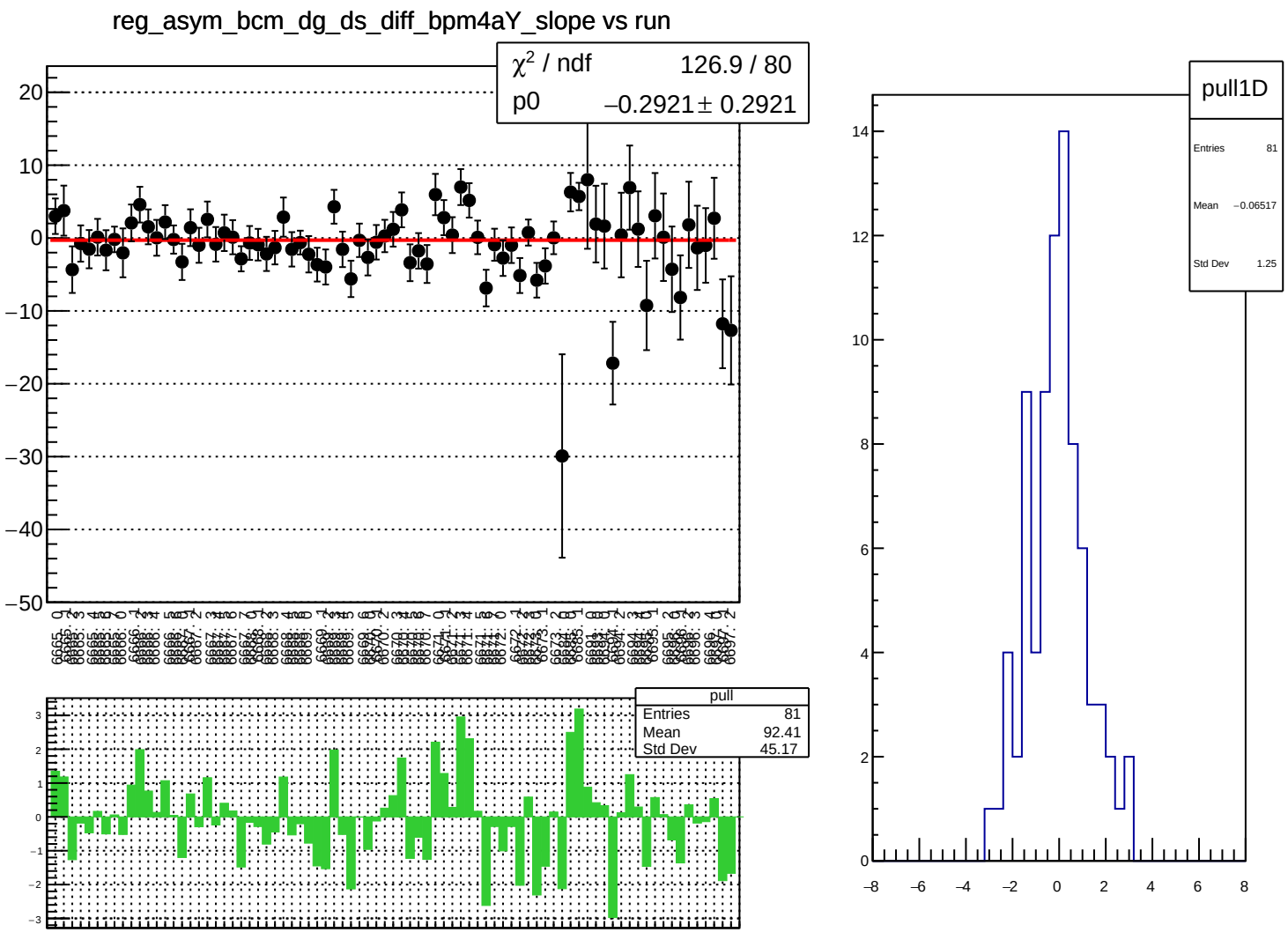

pull1D
Entries 81
Mean 0.008585
Std Dev 1.377

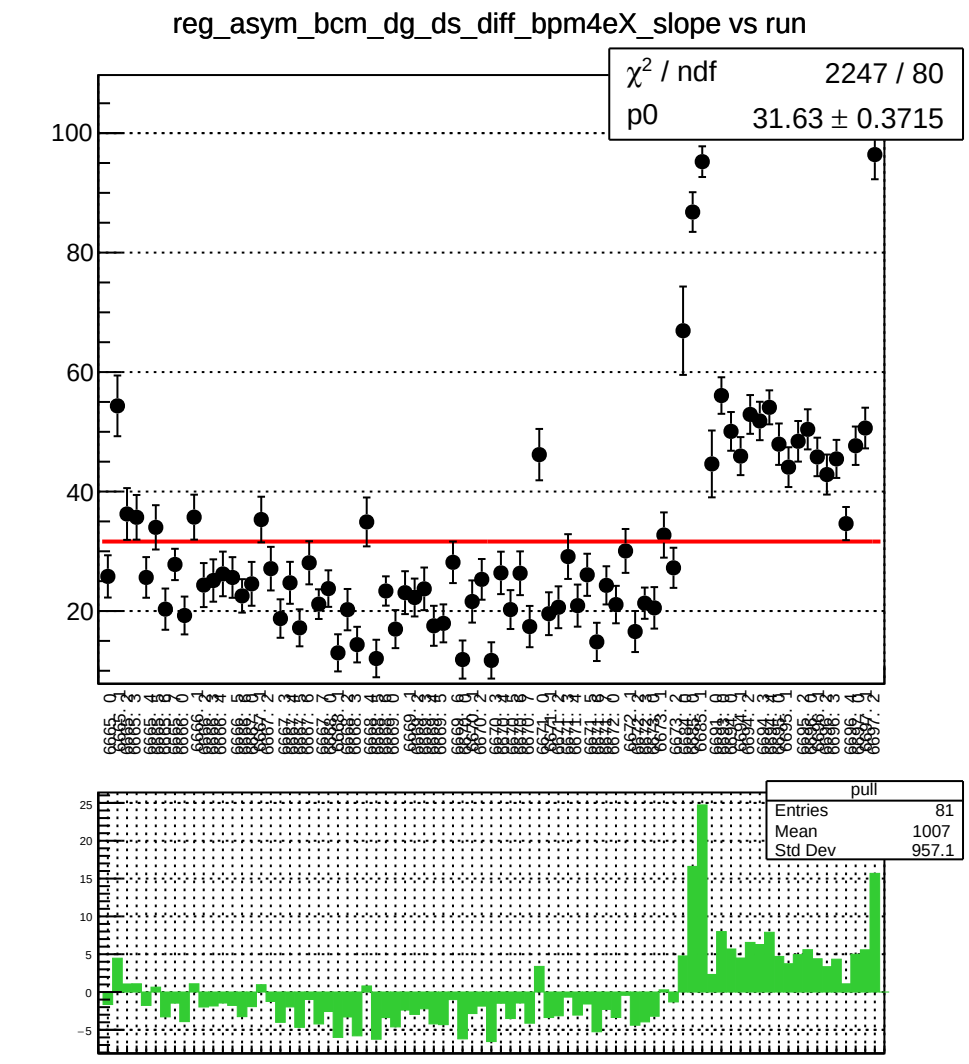

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 148.2 / 80
p0 0.5241± 0.01445
pull
Entries 81
Mean −33.64
Std Dev 67.67

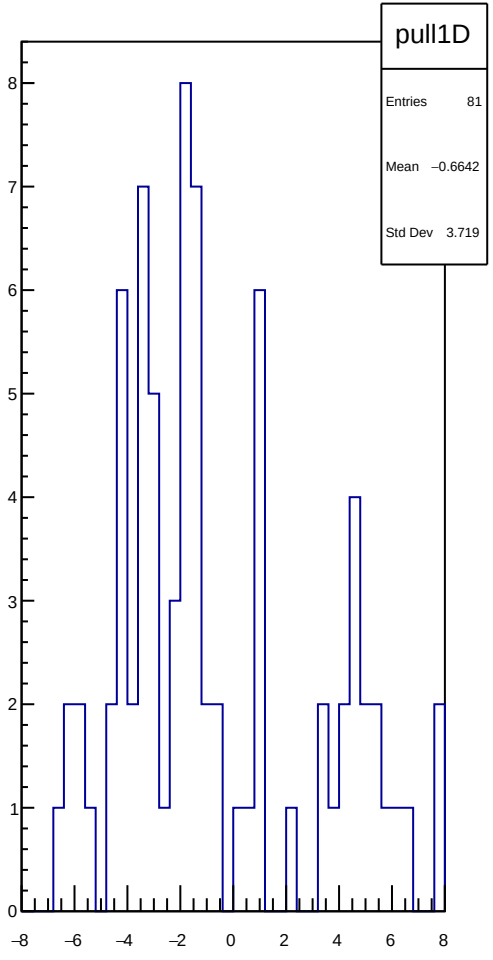

pull1D
Entries 81
Mean 0.08495
Std Dev 1.35

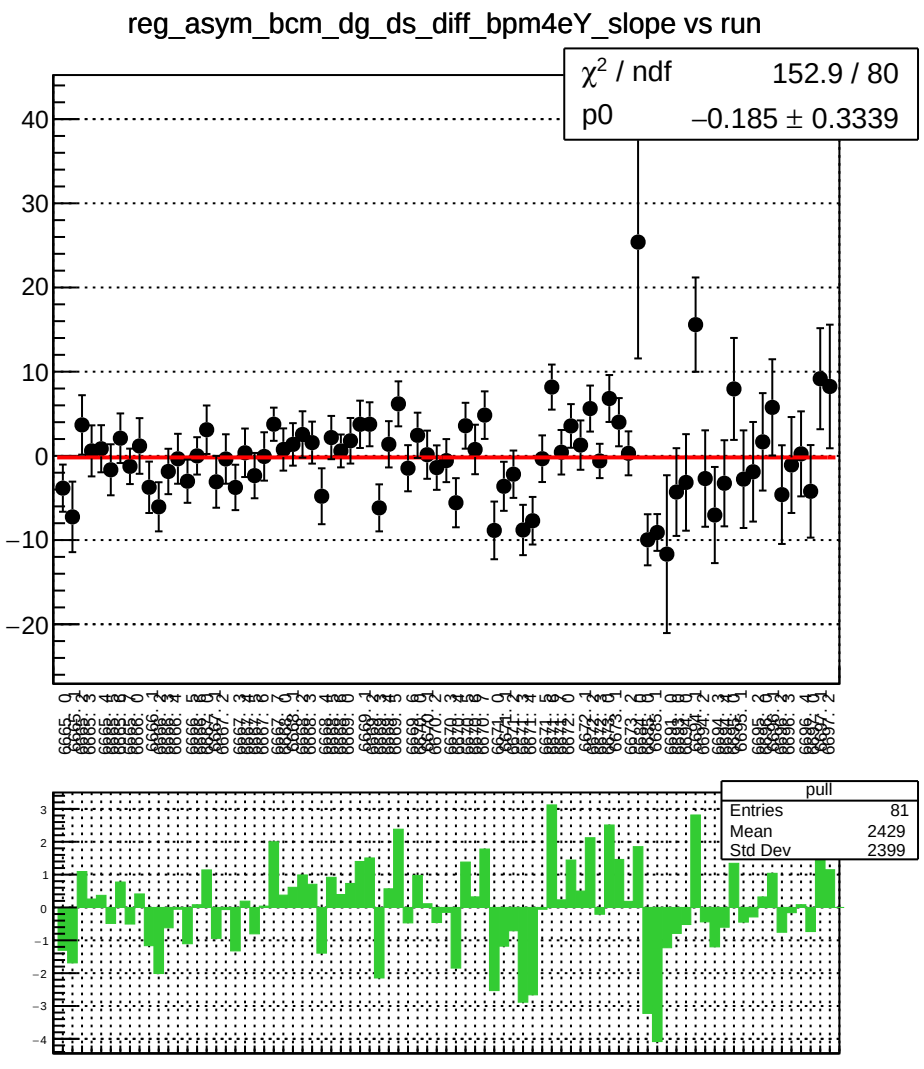

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 2571 / 80
p0 −29.81 ± 0.3516
pull
Entries 81
Mean 255.3
Std Dev 204.5

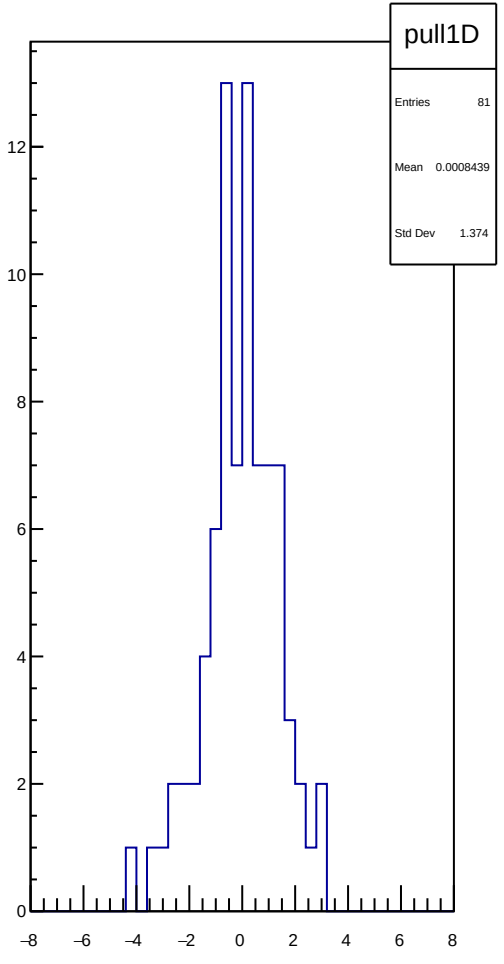

pull1D
Entries 81
Mean 0.6765
Std Dev 3.84

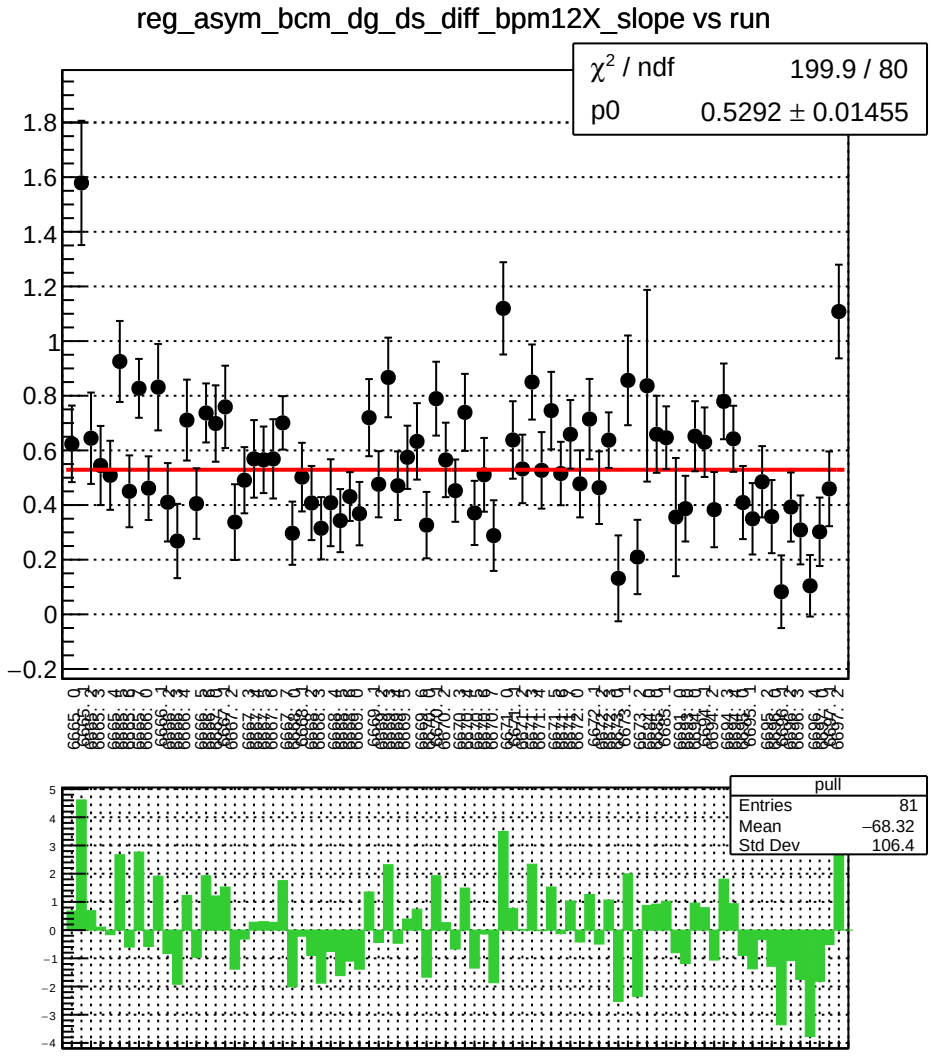

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 126.9 / 80
p0 −0.2921 ± 0.2921
pull
Entries 81
Mean 92.41
Std Dev 45.17
pull1D
Entries 81
Mean −0.06517
Std Dev 1.25

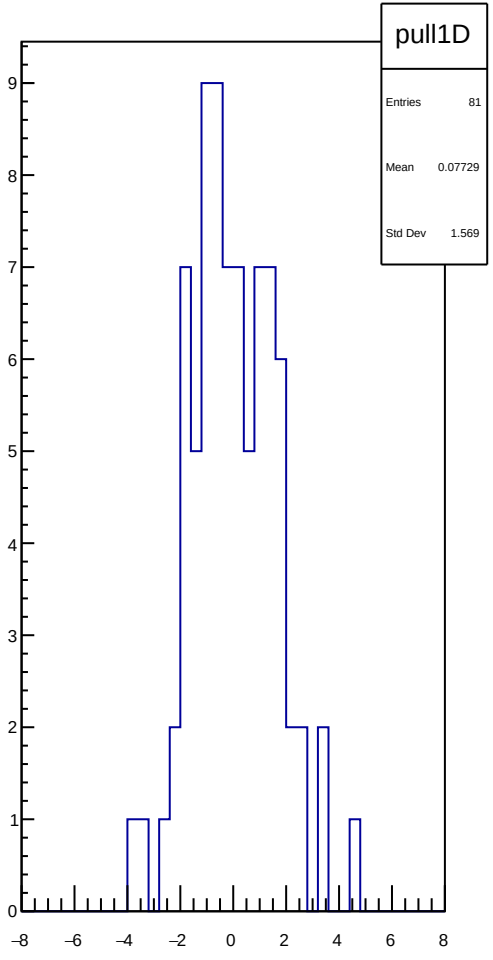

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 2247 / 80
p0 31.63 ± 0.3715
pull
Entries 81
Mean 1007
Std Dev 957.1

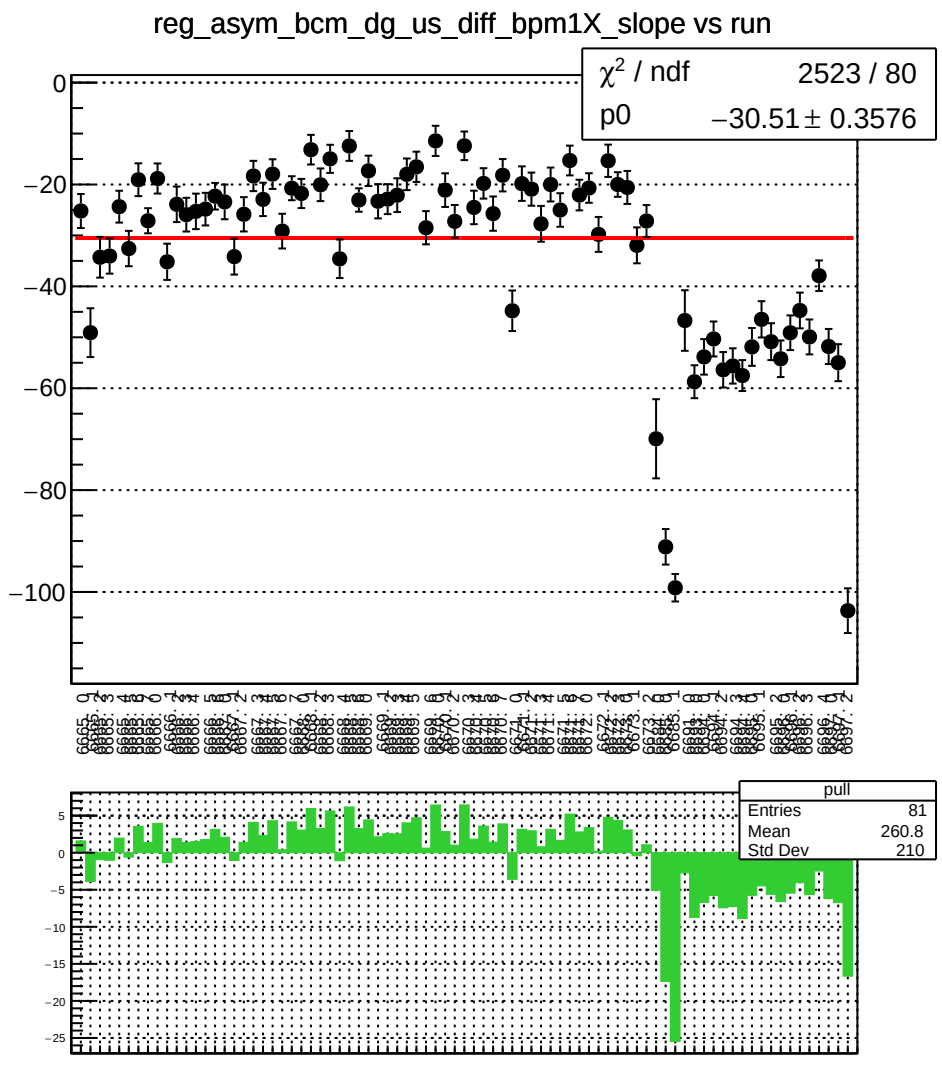

pull1D
Entries 81
Mean −0.6642
Std Dev 3.719

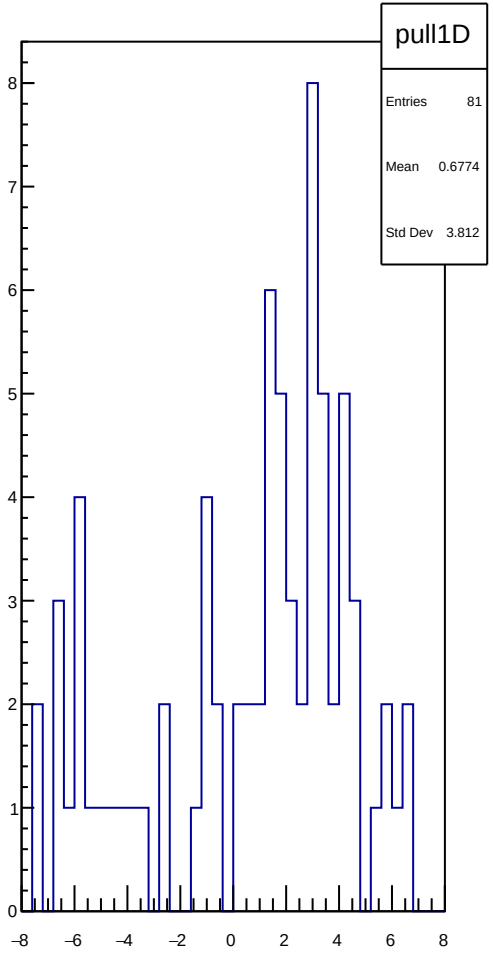

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 152.9 / 80
p0 −0.185 ± 0.3339
pull
Entries 81
Mean 2429
Std Dev 2399

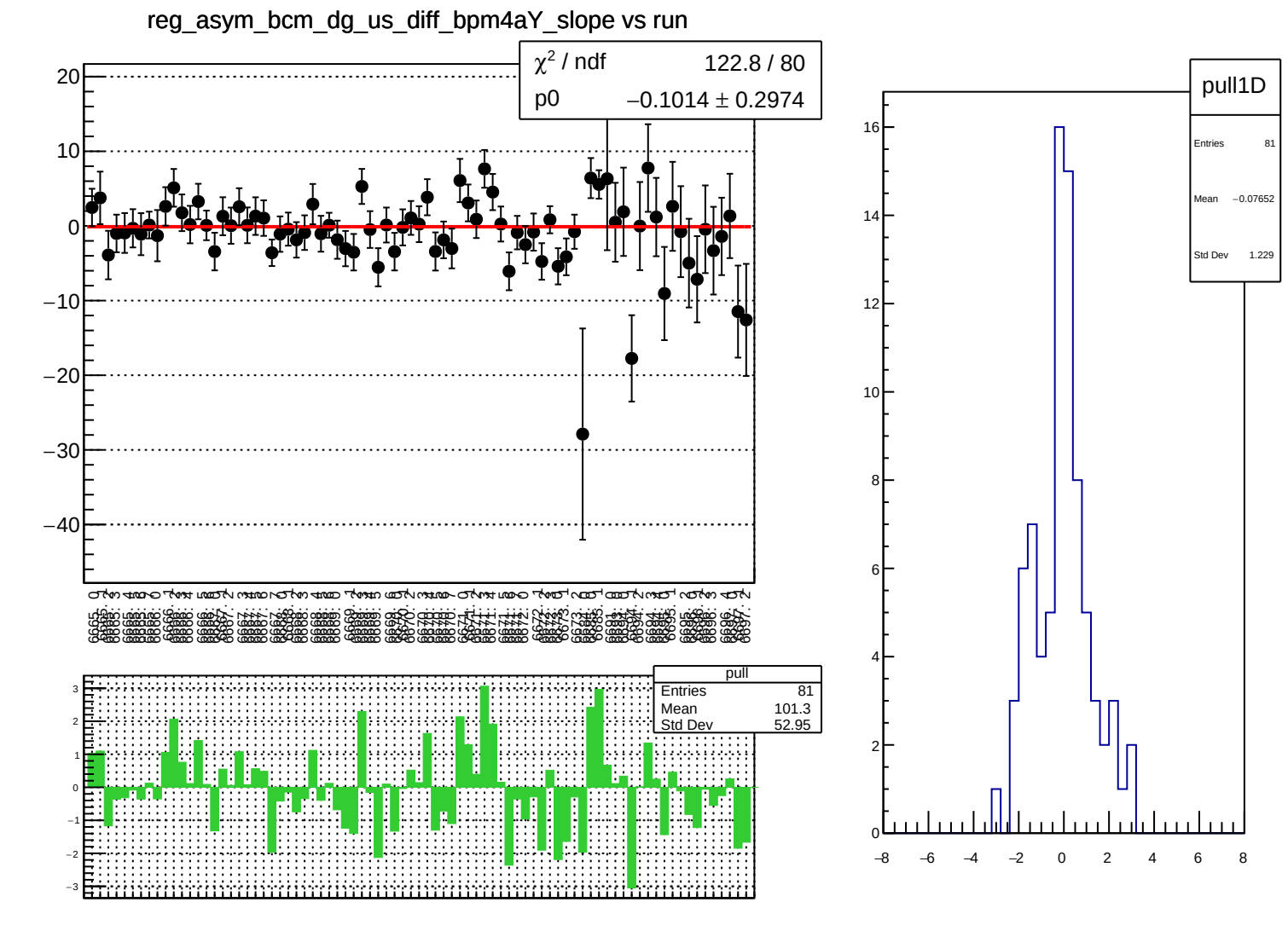

pull1D
Entries 81
Mean 0.0008439
Std Dev 1.374

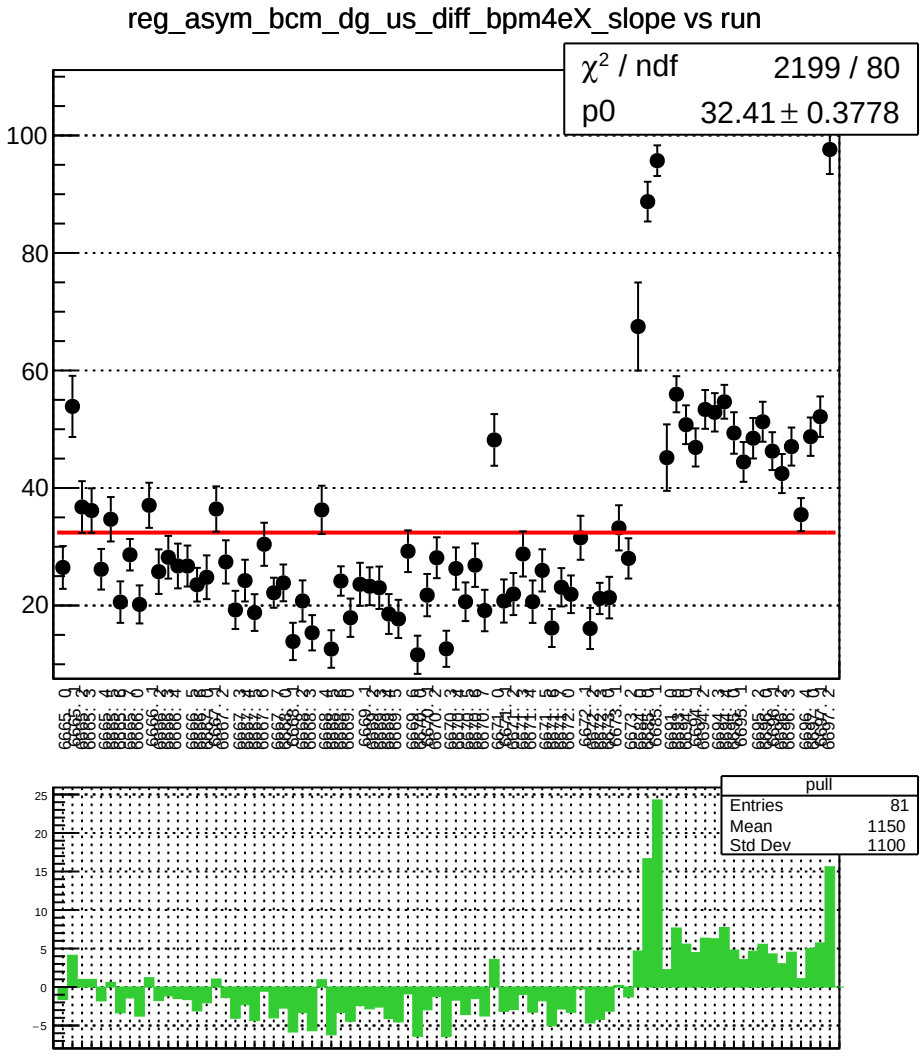

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 199.9 / 80
p0 0.5292 ± 0.01455
pull
Entries 81
Mean −68.32
Std Dev 106.4

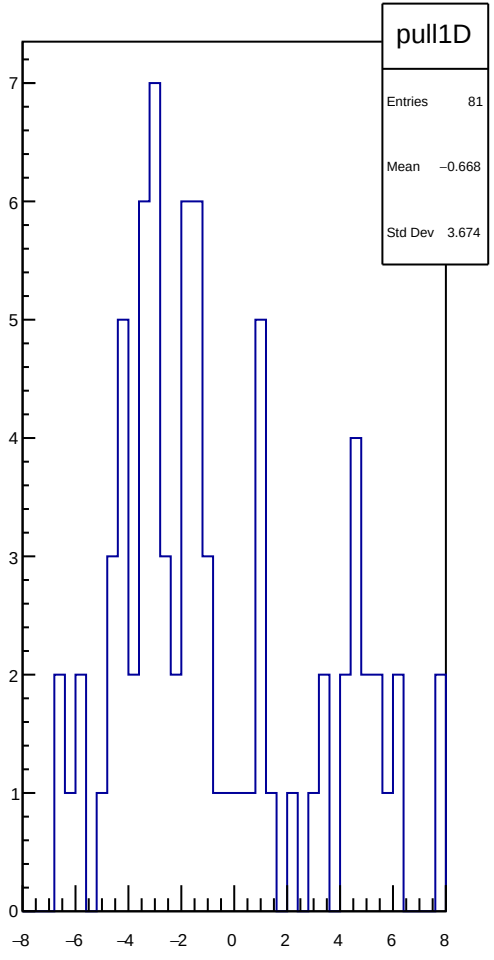

pull1D
Entries 81
Mean 0.07729
Std Dev 1.569

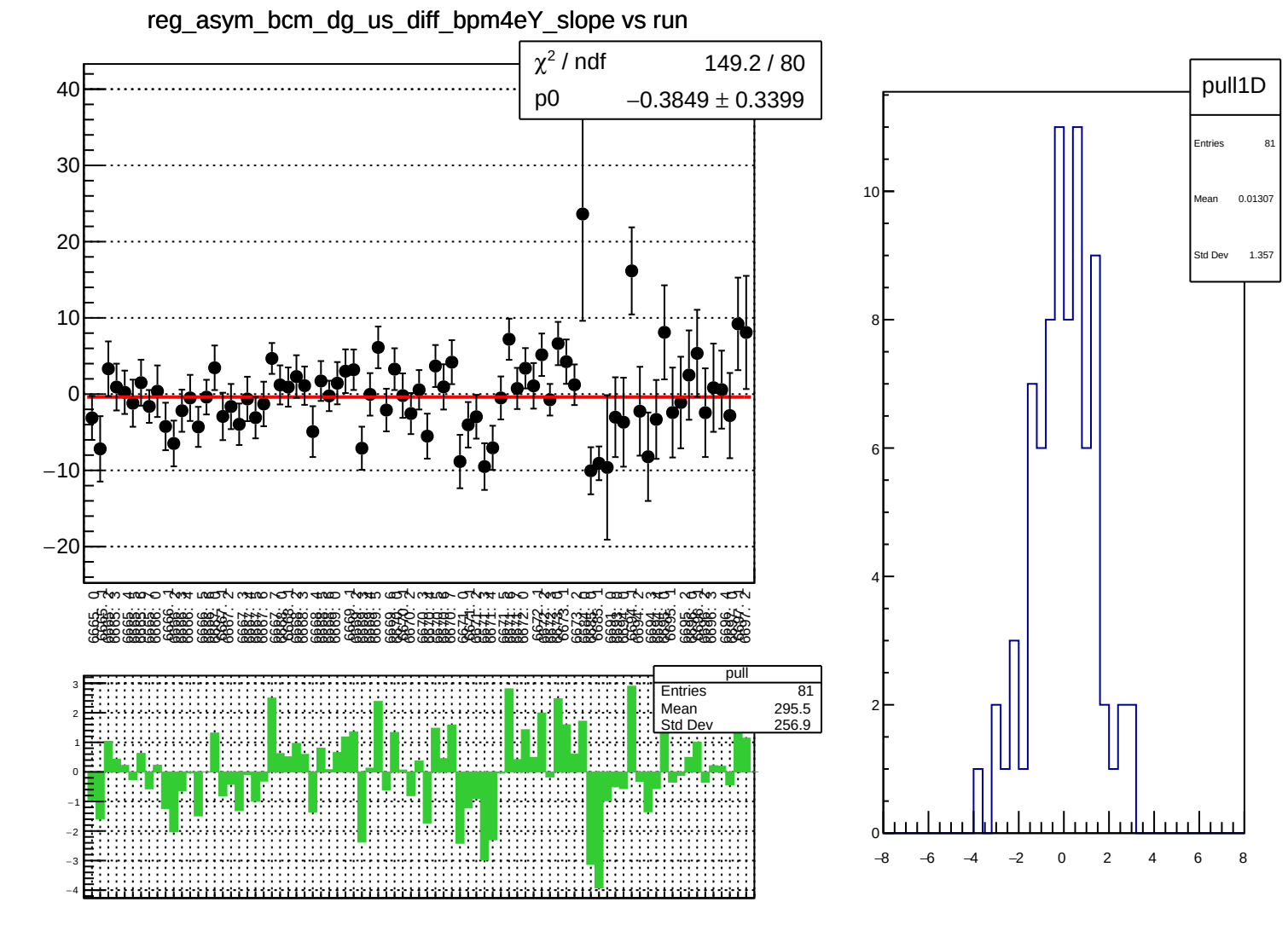

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 2523 / 80
p0 −30.51 ± 0.3576
pull
Entries 81
Mean 260.8
Std Dev 210

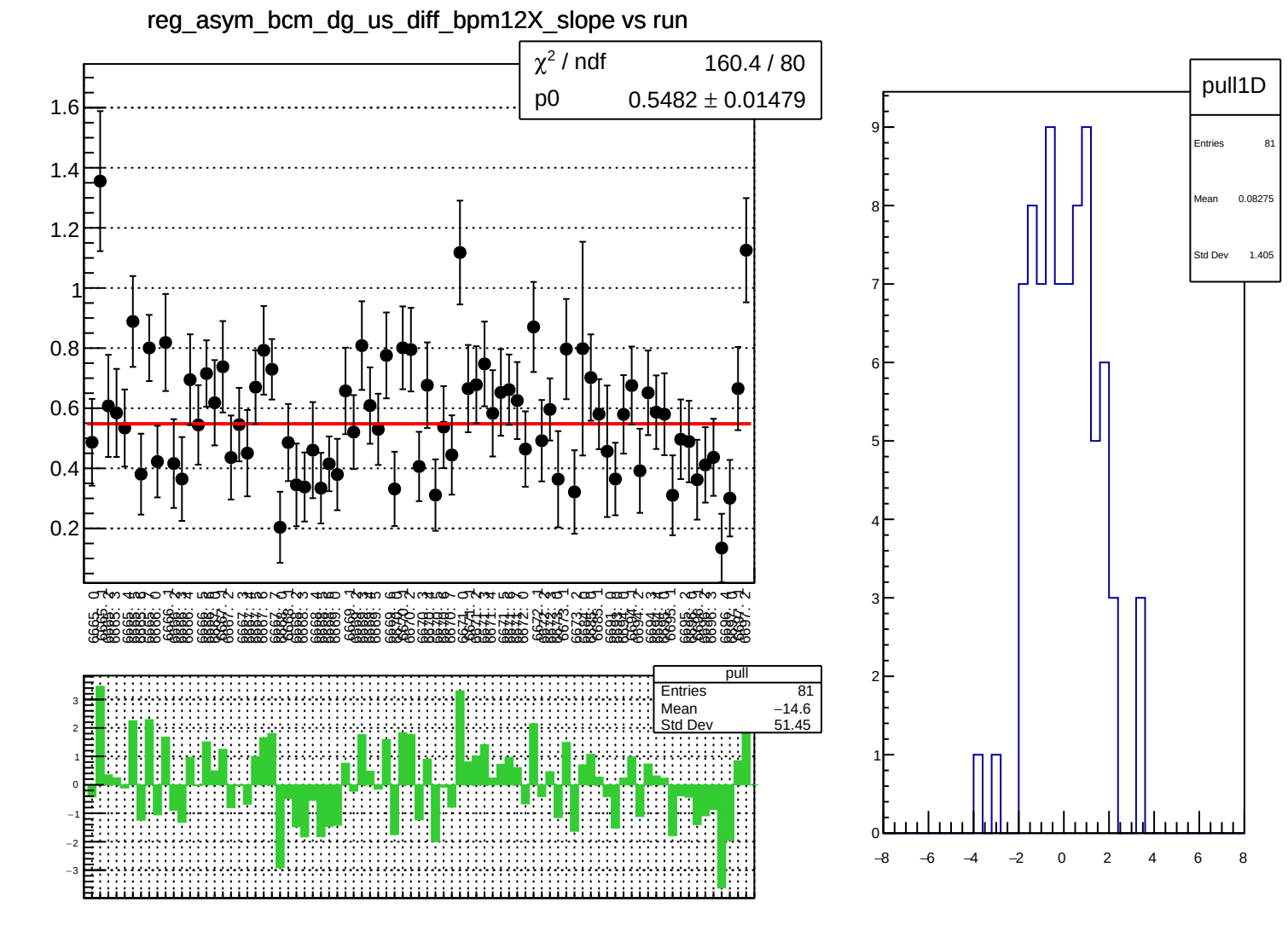

pull1D
Entries 81
Mean 0.6774
Std Dev 3.812


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 122.8 / 80
p0 −0.1014 ± 0.2974
pull
Entries 81
Mean 101.3
Std Dev 52.95
pull1D
Entries 81
Mean −0.07652
Std Dev 1.229


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 2199 / 80
p0 32.41 ± 0.3778
pull
Entries 81
Mean 1150
Std Dev 1100


pull1D
Entries 81
Mean −0.668
Std Dev 3.674


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 149.2 / 80
p0 −0.3849 ± 0.3399
pull
Entries 81
Mean 295.5
Std Dev 256.9
pull1D
Entries 81
Mean 0.01307
Std Dev 1.357


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 160.4 / 80
p0 0.5482 ± 0.01479
pull
Entries 81
Mean −14.6
Std Dev 51.45
pull1D
Entries 81
Mean 0.08275
Std Dev 1.405