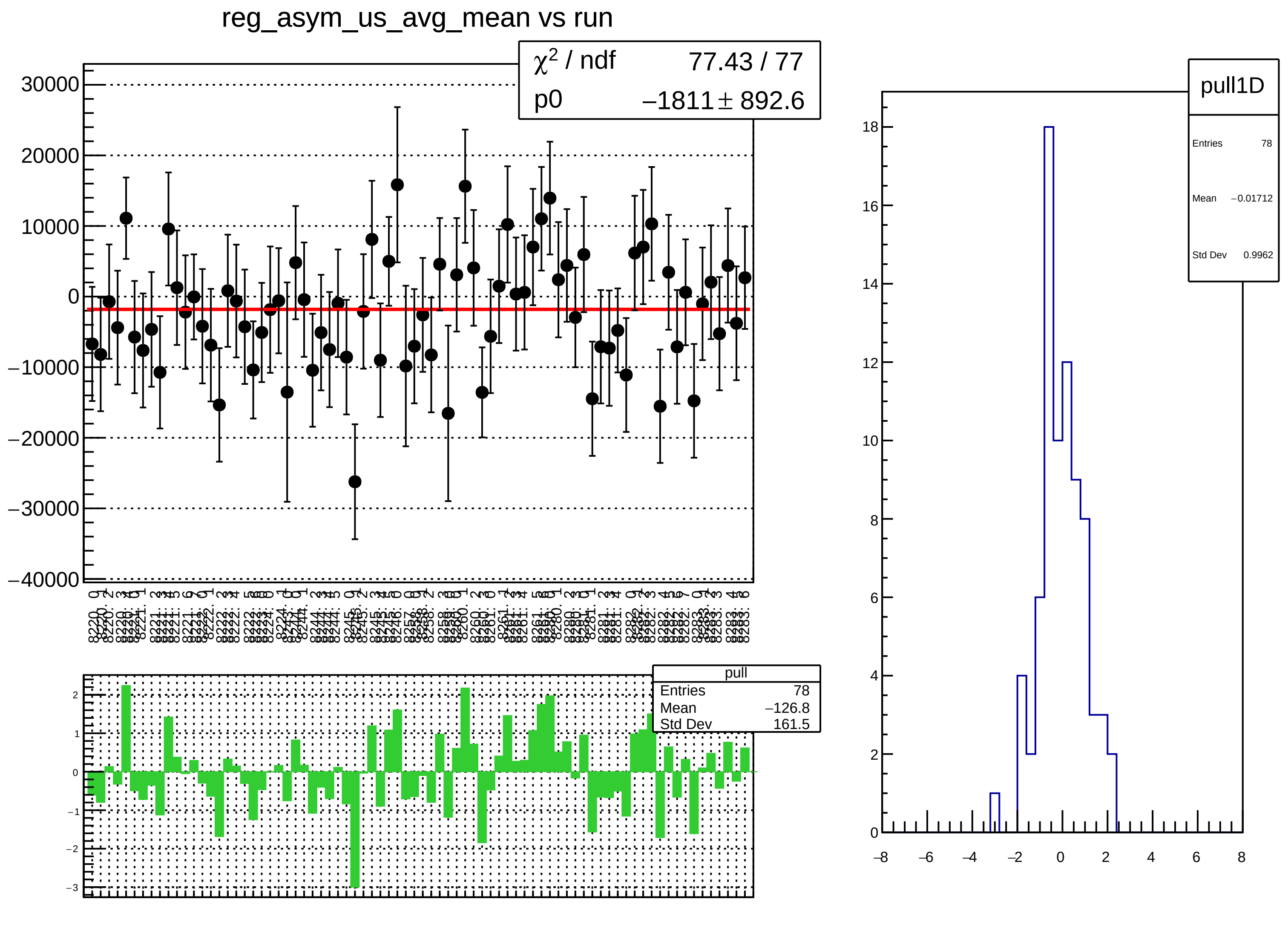
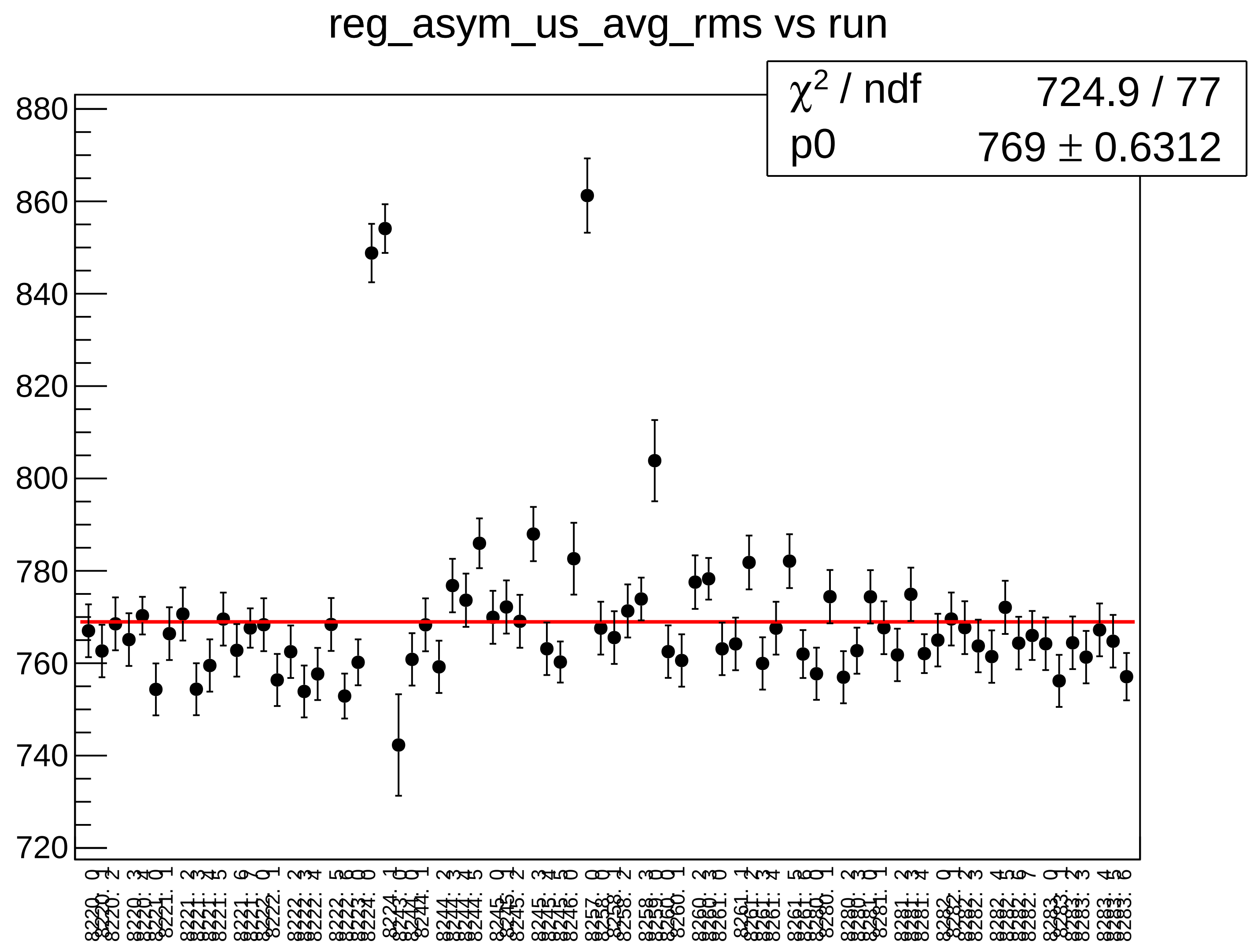
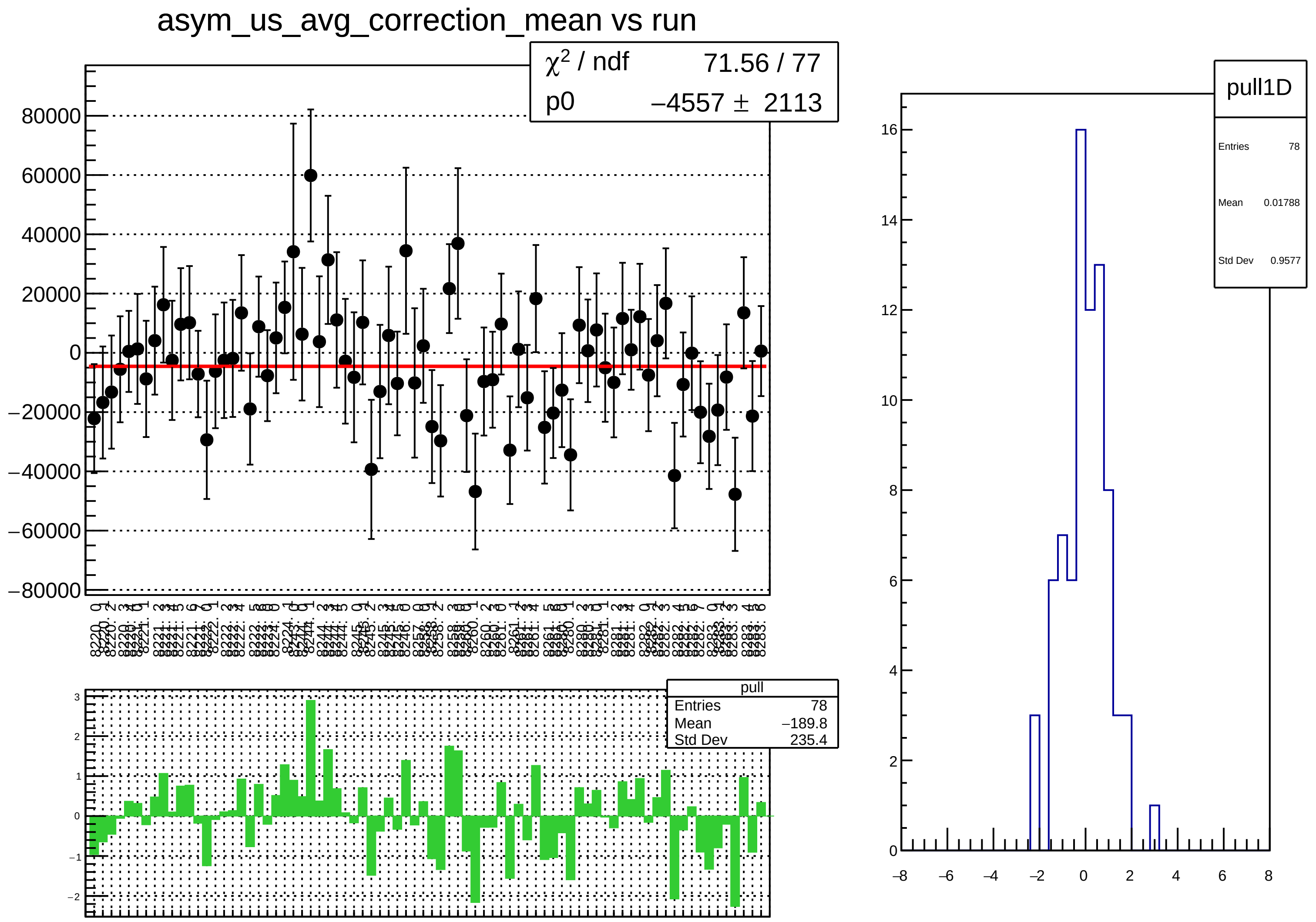
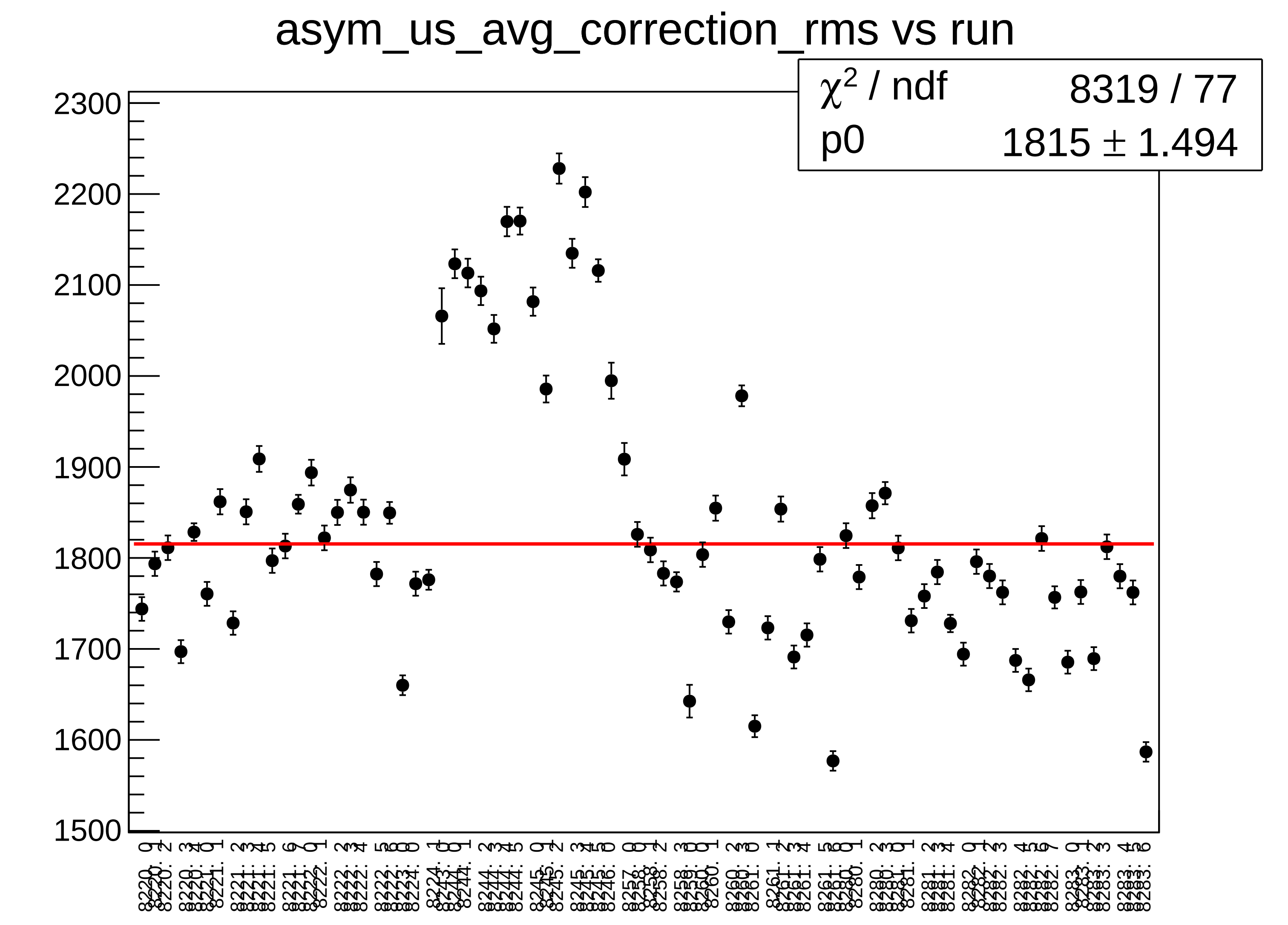


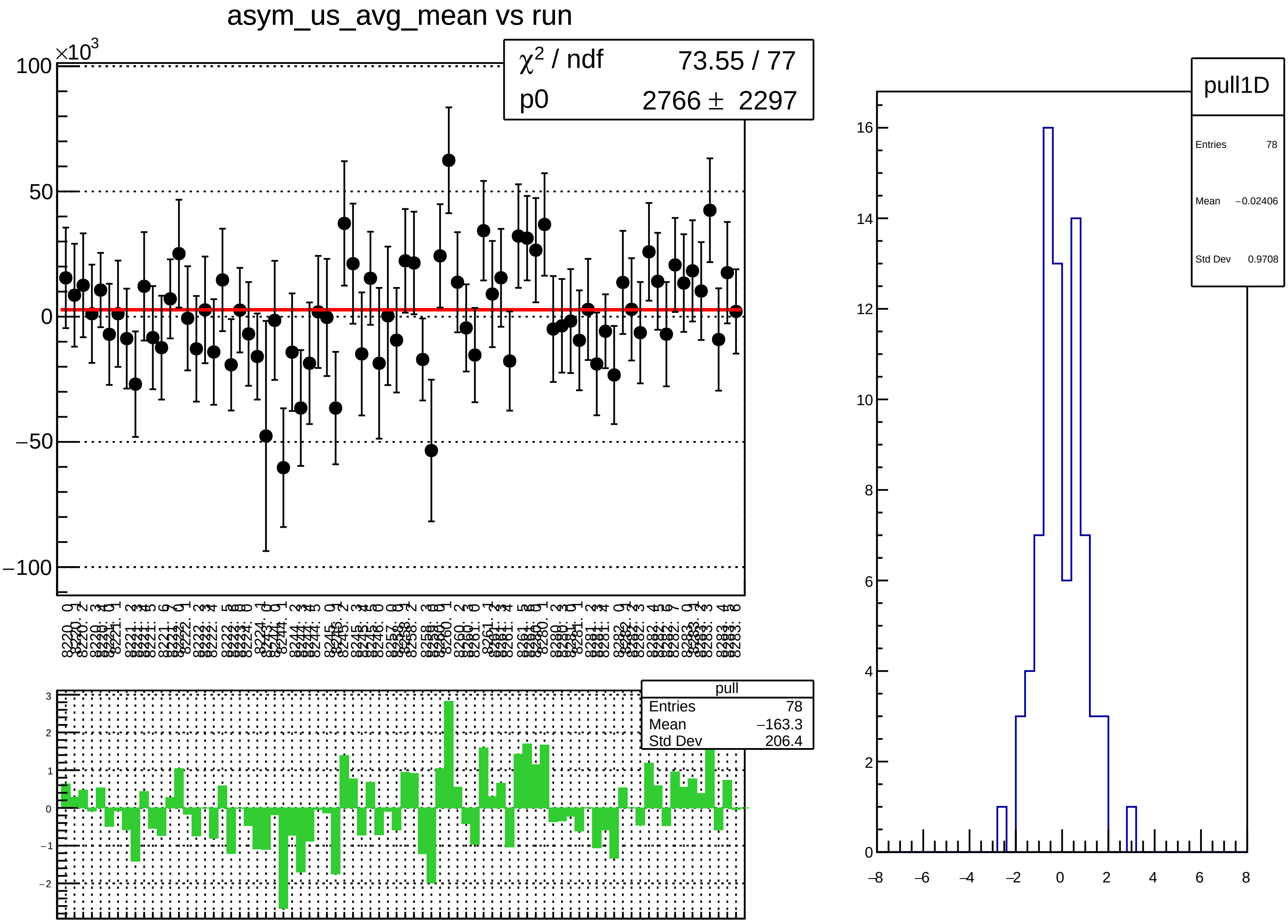
reg_asym_us_avg_mean vs run
χ2 / ndf 77.43 / 77
p0 −1811 ± 892.6
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 78
Mean −126.8
Std Dev 161.5
pull1D
Entries 78
Mean −0.01712
Std Dev 0.9962


reg_asym_us_avg_rms vs run
χ2 / ndf 724.9 / 77
p0 769 ± 0.6312
880
860
840
820
800
780
760
740
720

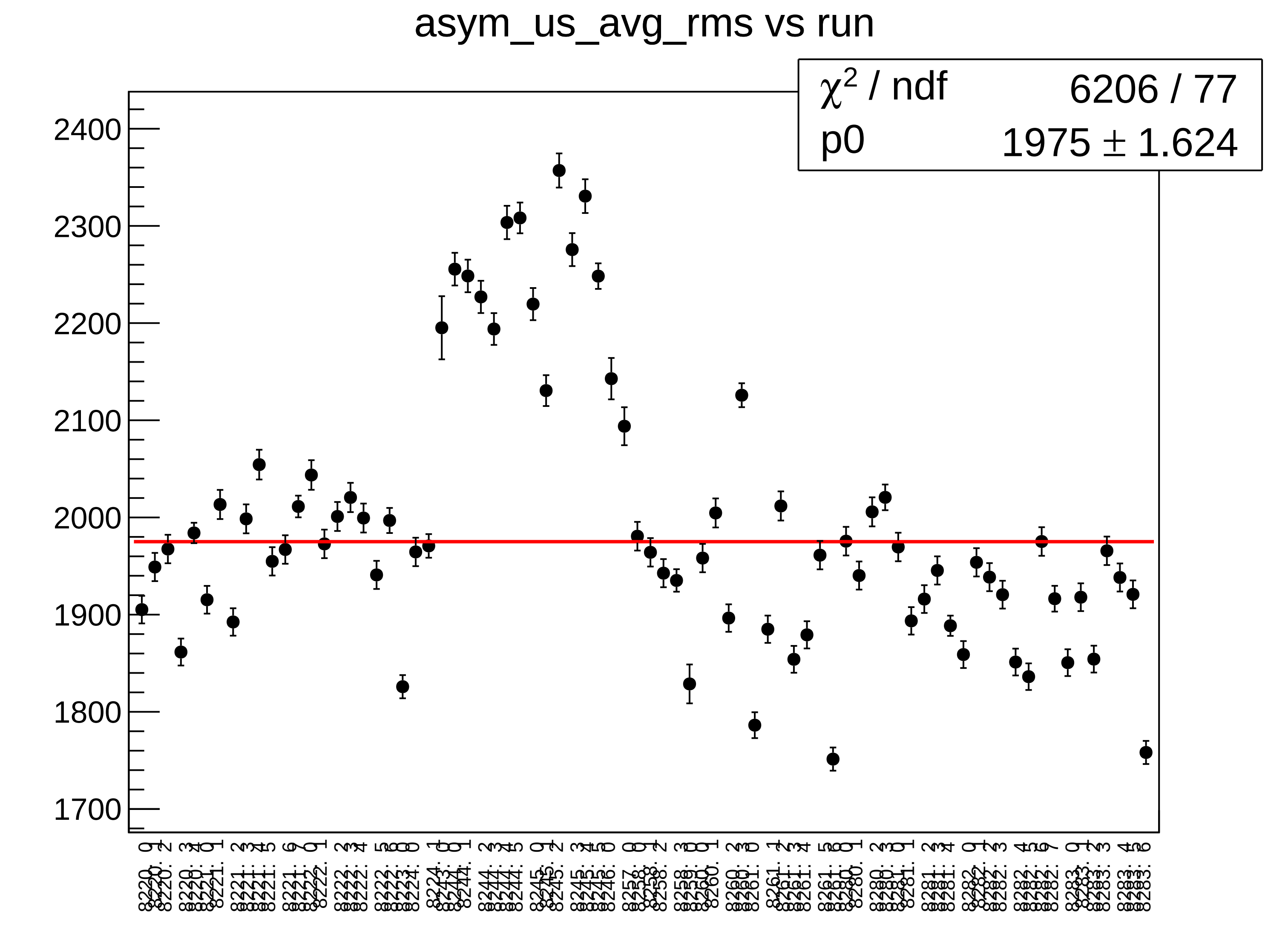


asym_us_avg_correction_mean vs run
χ^2 / ndf 71.56 / 77
p0 −4557 ± 2113
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 78
Mean −189.8
Std Dev 235.4
pull1D
Entries 78
Mean 0.01788
Std Dev 0.9577

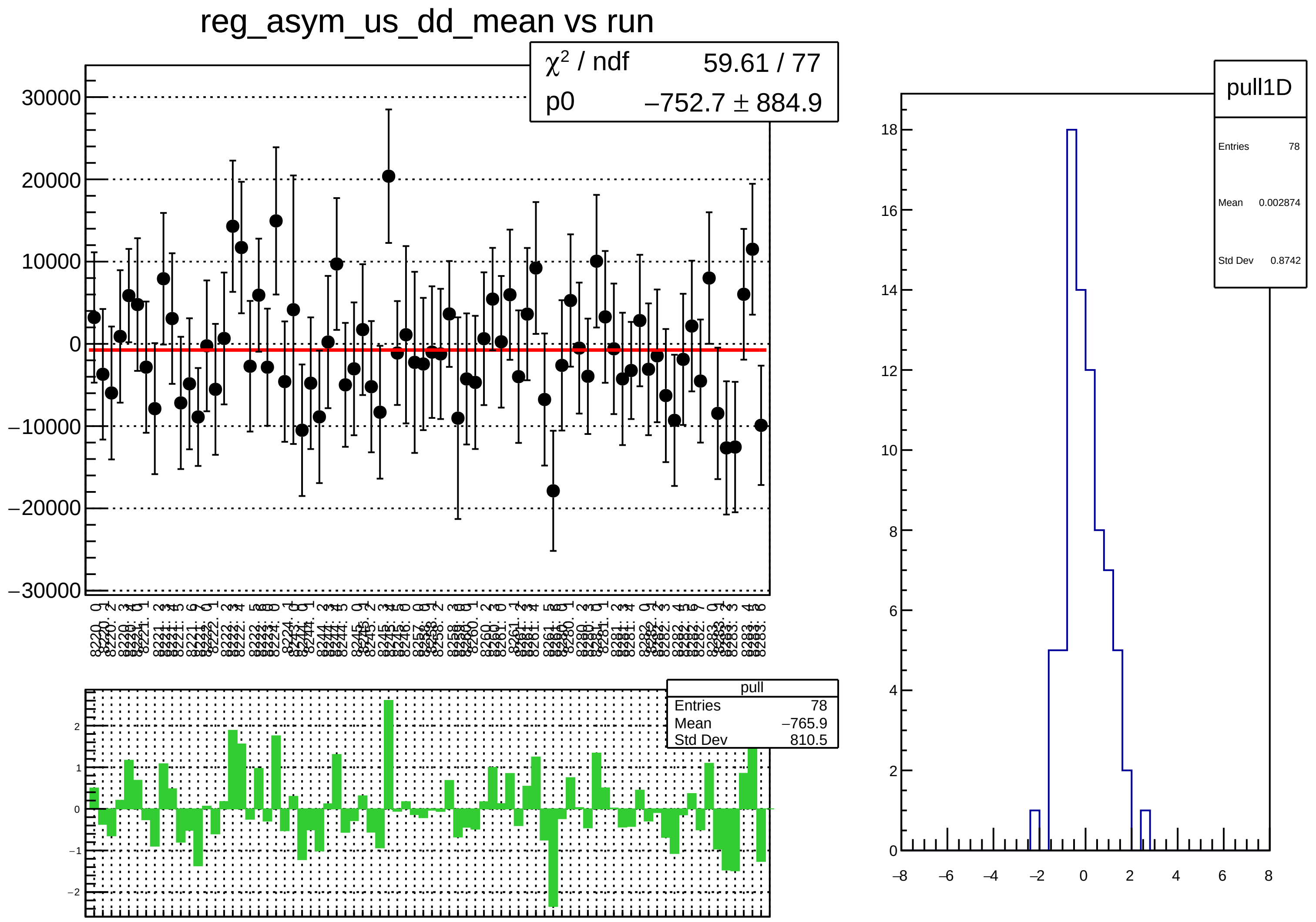

asym_us_avg_correction_rms vs run
χ2 / ndf 8319 / 77
p0 1815 ± 1.494
2300
2200
2100
2000
1900
1800
1700
1600
1500



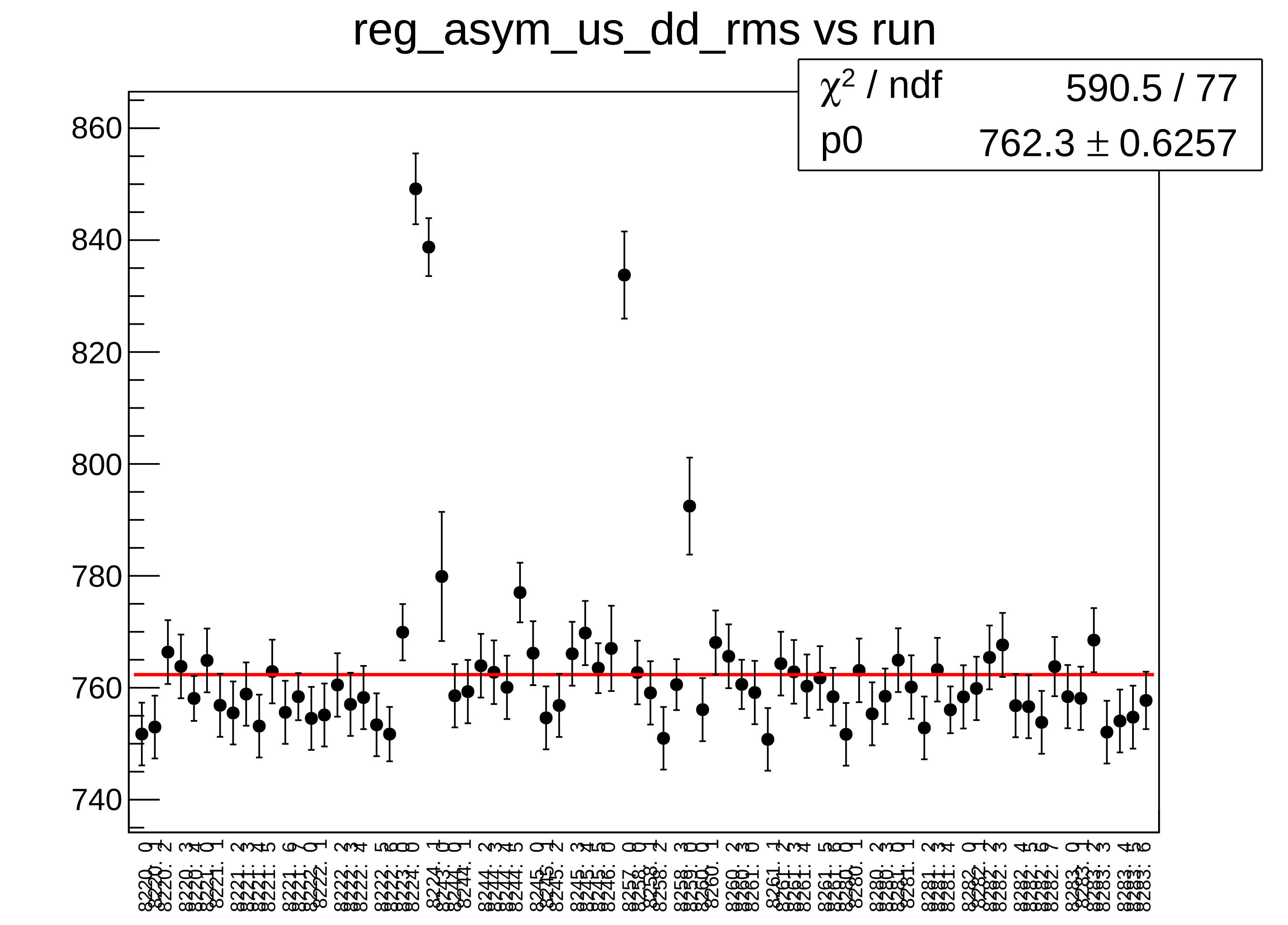
asym_us_avg_mean vs run
$\times 10^3$
χ^2 / ndf 73.55 / 77
p0 2766 ± 2297
pull
Entries 78
Mean −163.3
Std Dev 206.4
pull1D
Entries 78
Mean −0.02406
Std Dev 0.9708

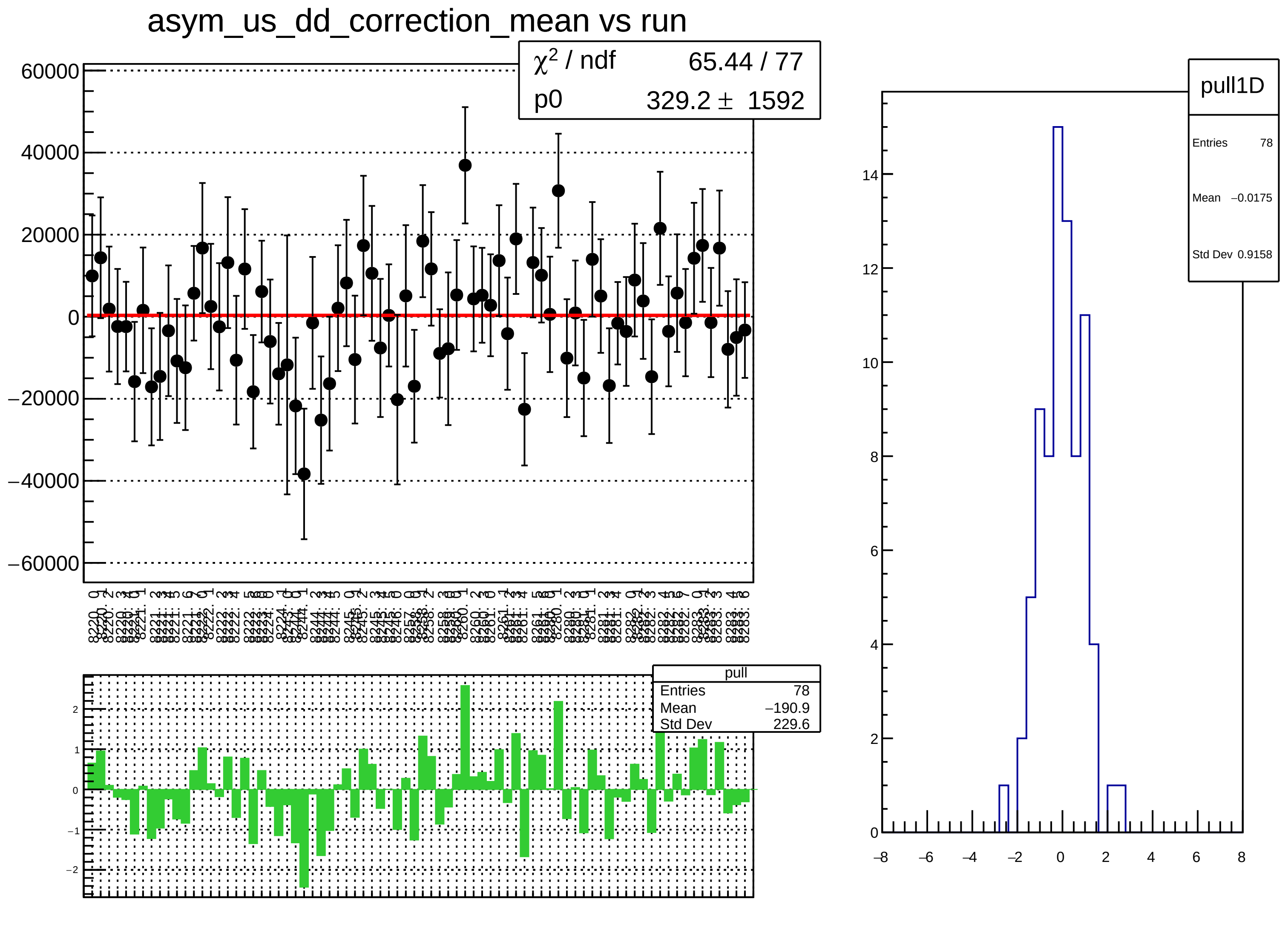


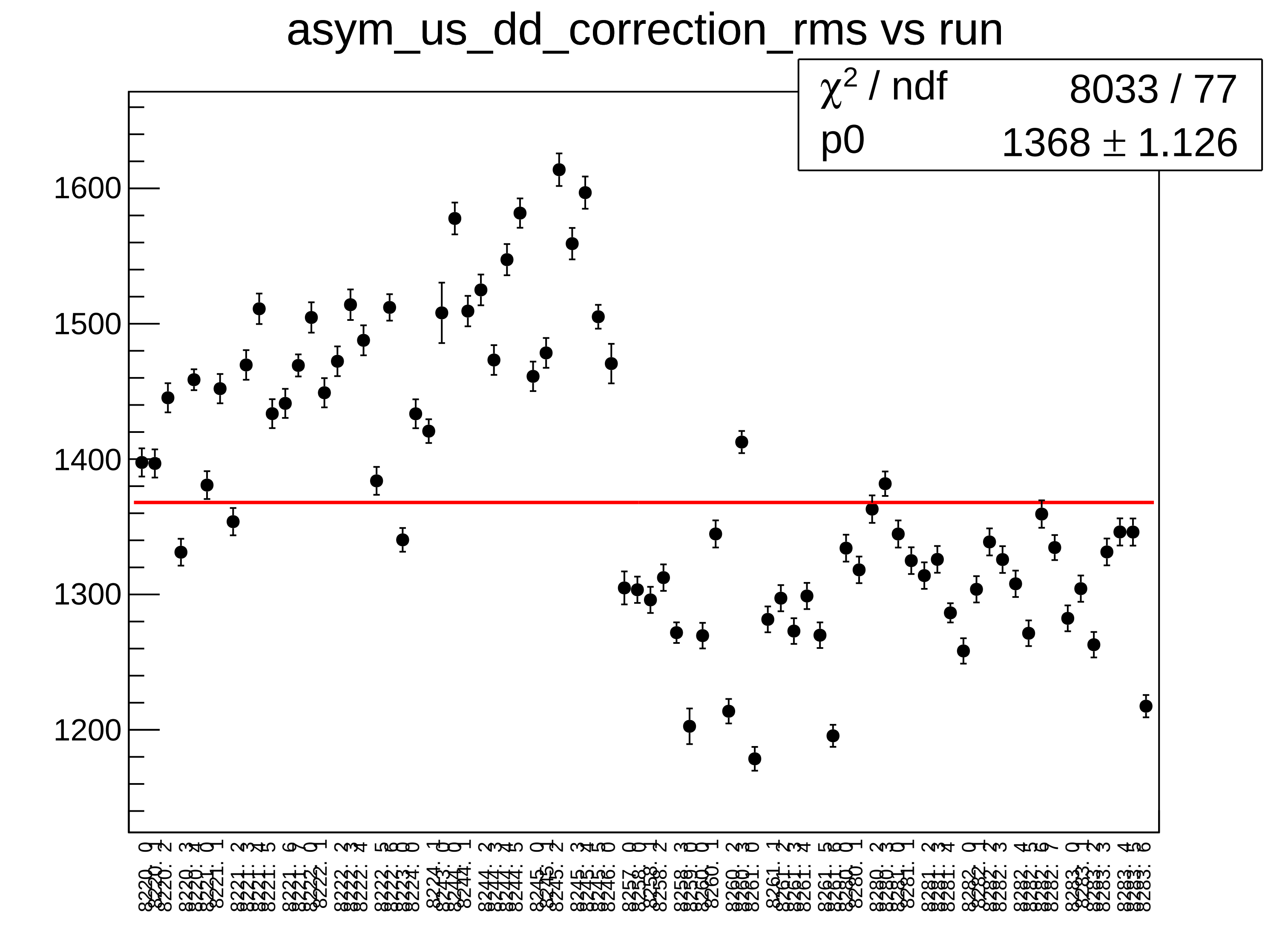
asym_us_avg_rms vs run
χ^2 / ndf 6206 / 77
p0 1975 ± 1.624
2400
2300
2200
2100
2000
1900
1800
1700

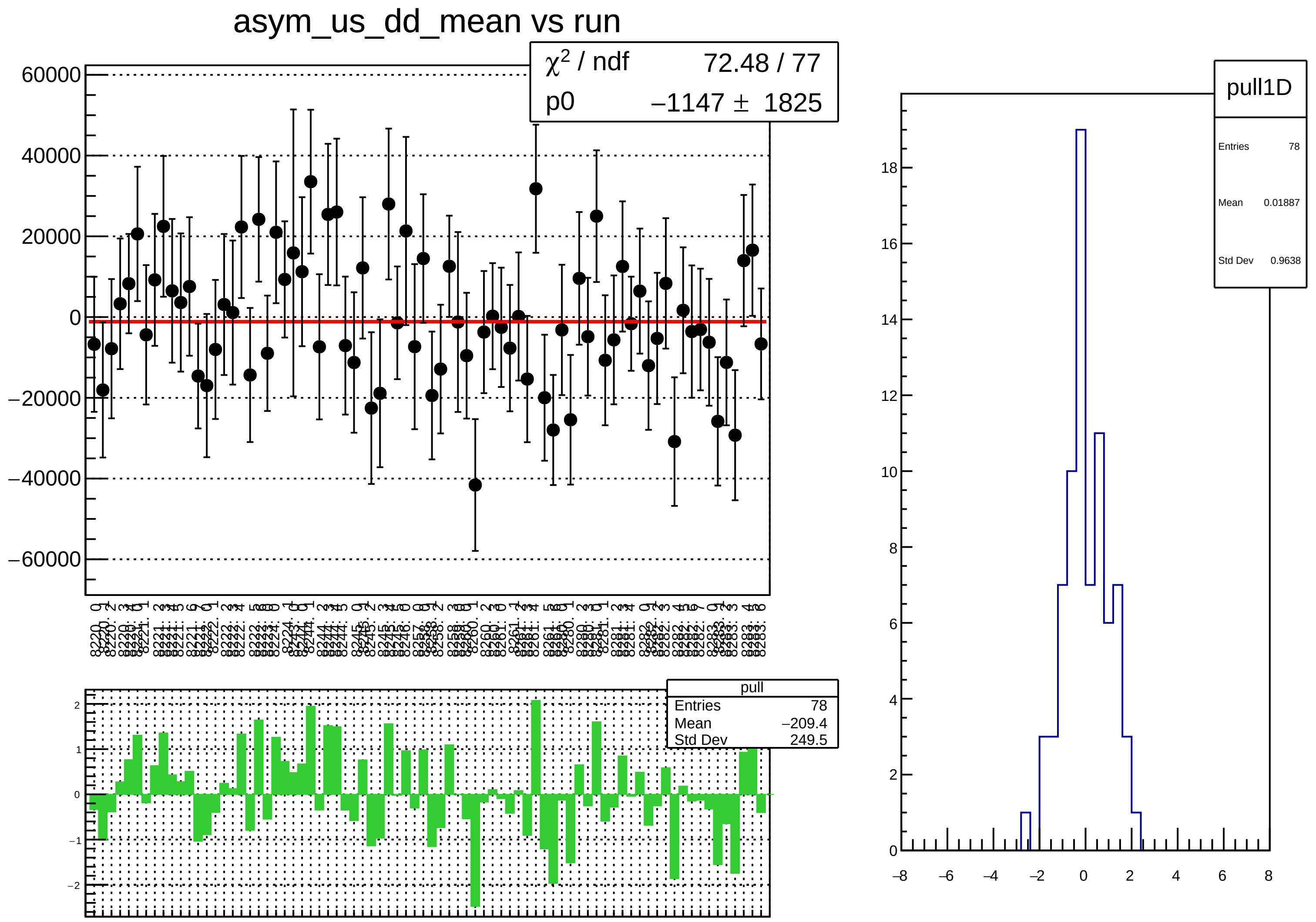


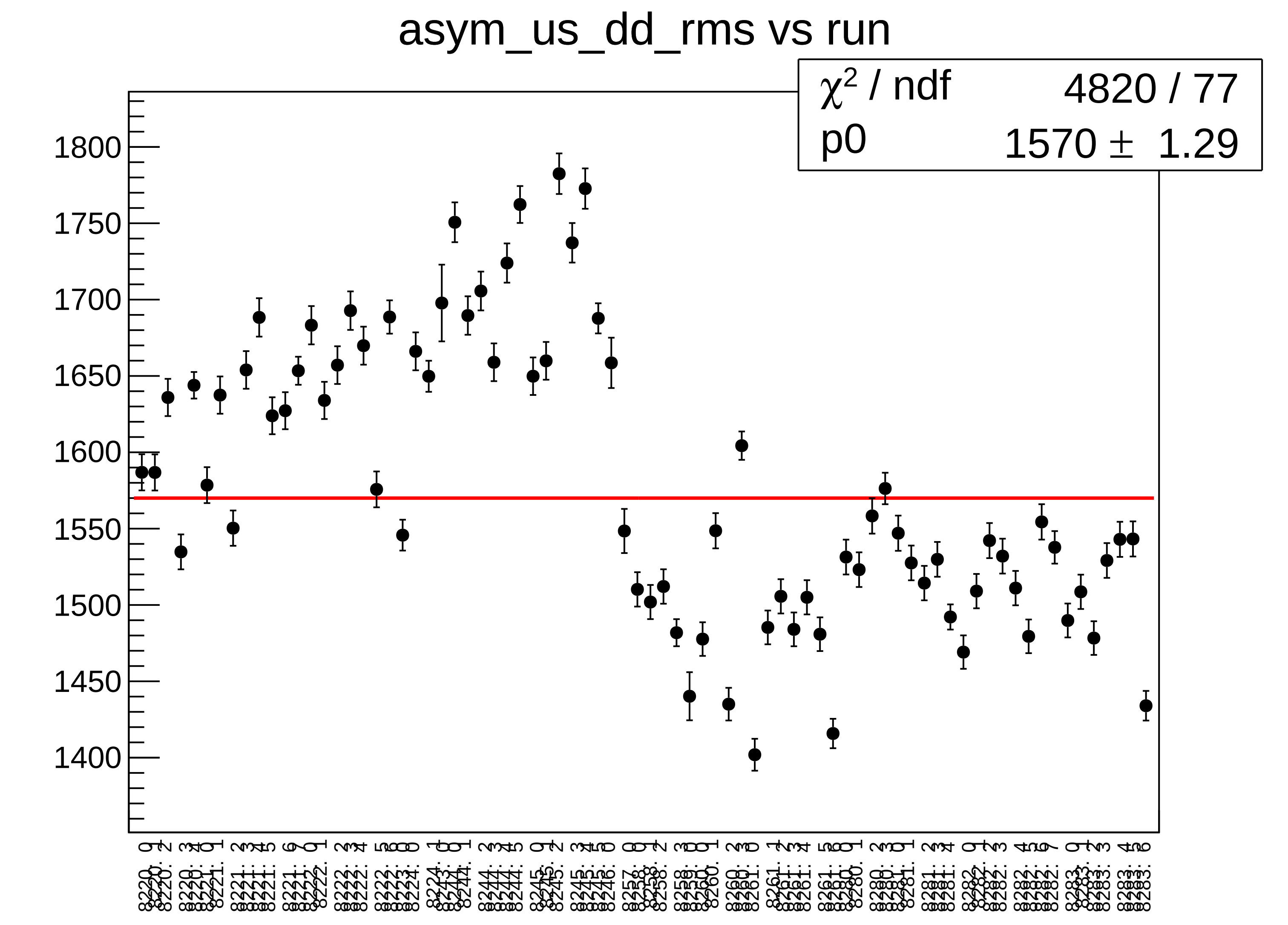
reg_asym_us_dd_mean vs run
χ^2 / ndf 59.61 / 77
p0 −752.7 ± 884.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −765.9
Std Dev 810.5
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.002874
Std Dev 0.8742
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

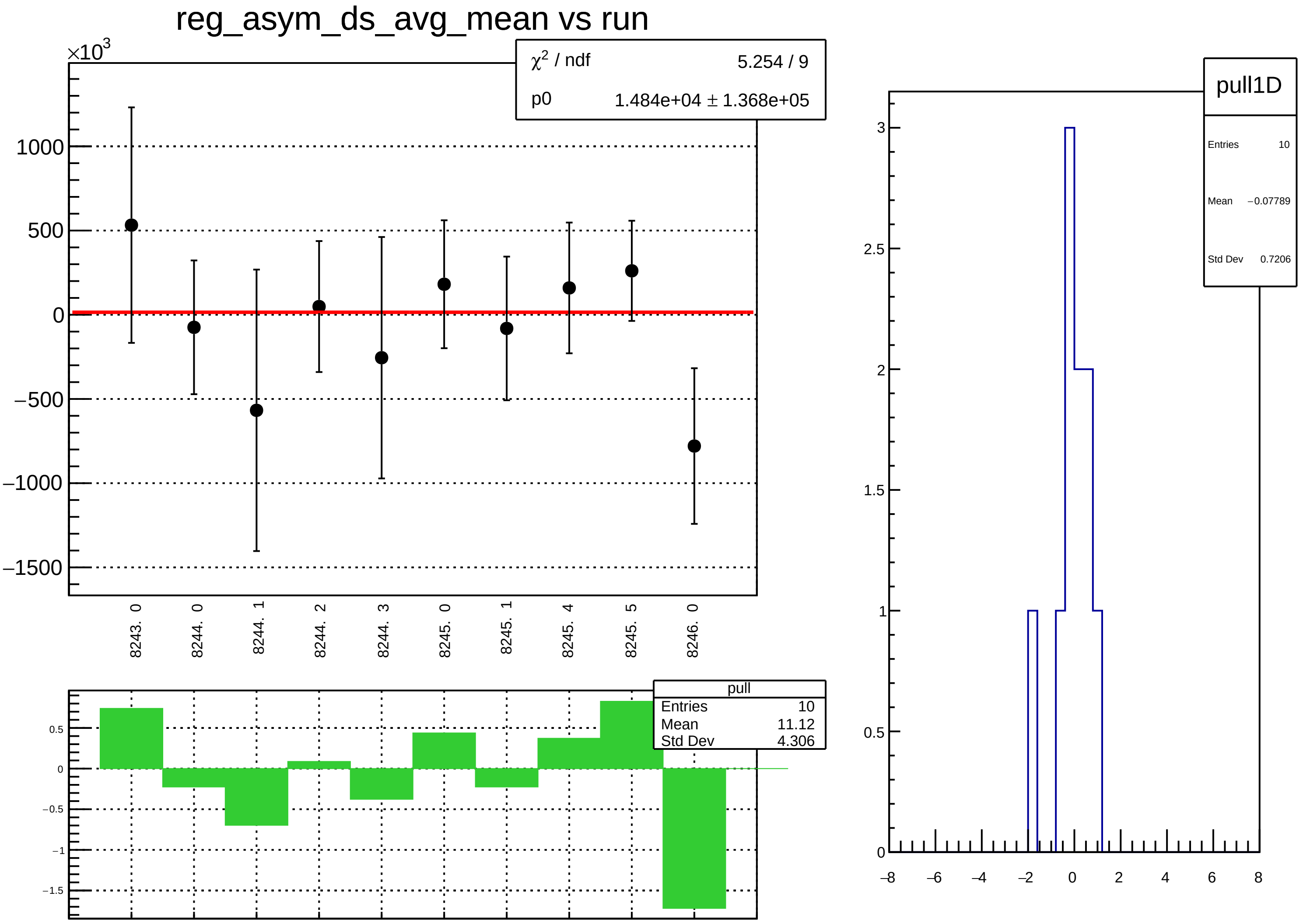

reg_asym_us_dd_rms vs run
χ^2 / ndf
590.5 / 77
p0
762.3 ± 0.6257
860
840
820
800
780
760
740


asym_us_dd_correction_mean vs run
χ2 / ndf 65.44 / 77
p0 329.2 ± 1592
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −190.9
Std Dev 229.6
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.0175
Std Dev 0.9158
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

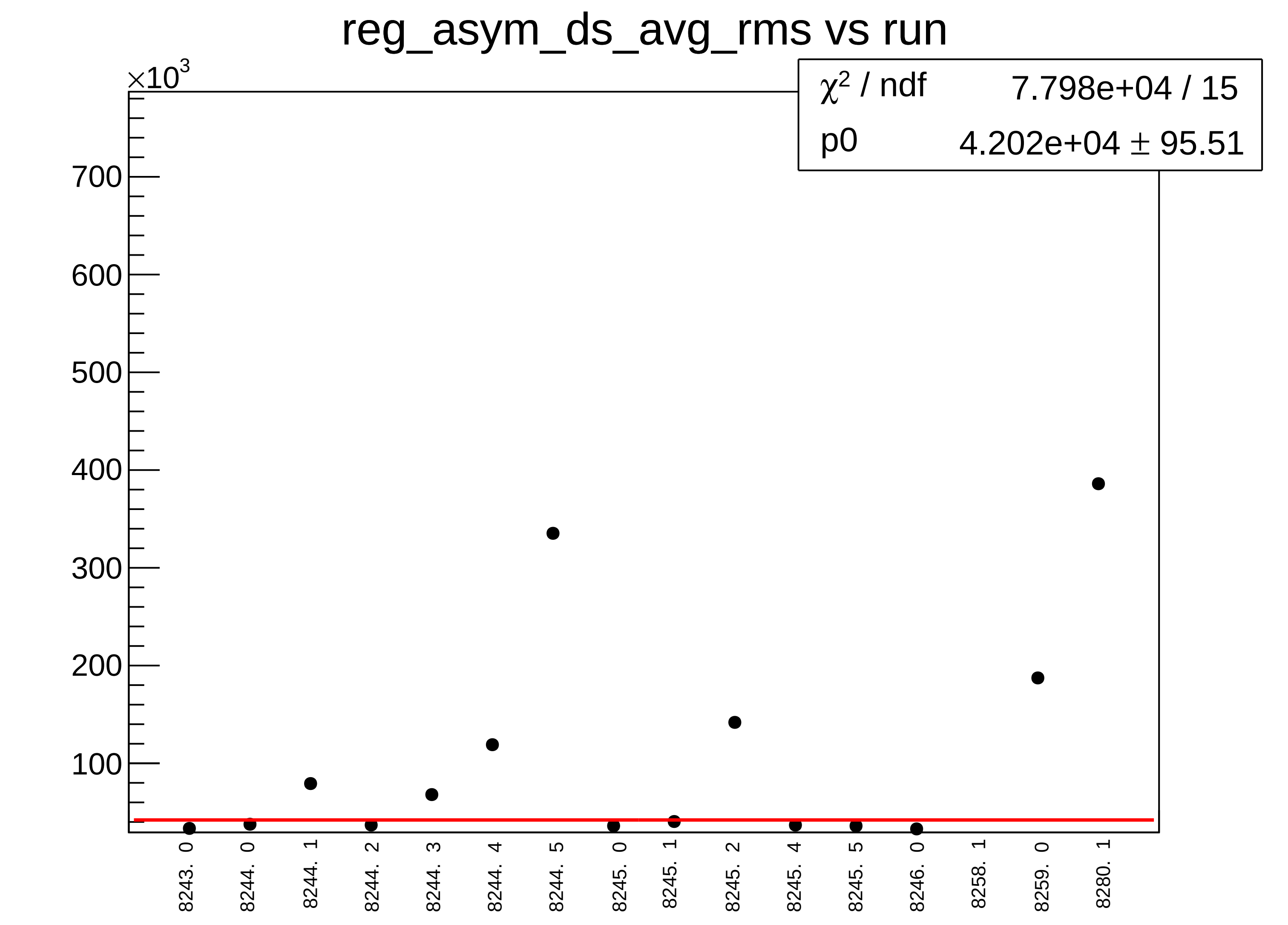

asym_us_dd_correction_rms vs run
χ2 / ndf 8033 / 77
p0 1368 ± 1.126
1600
1500
1400
1300
1200

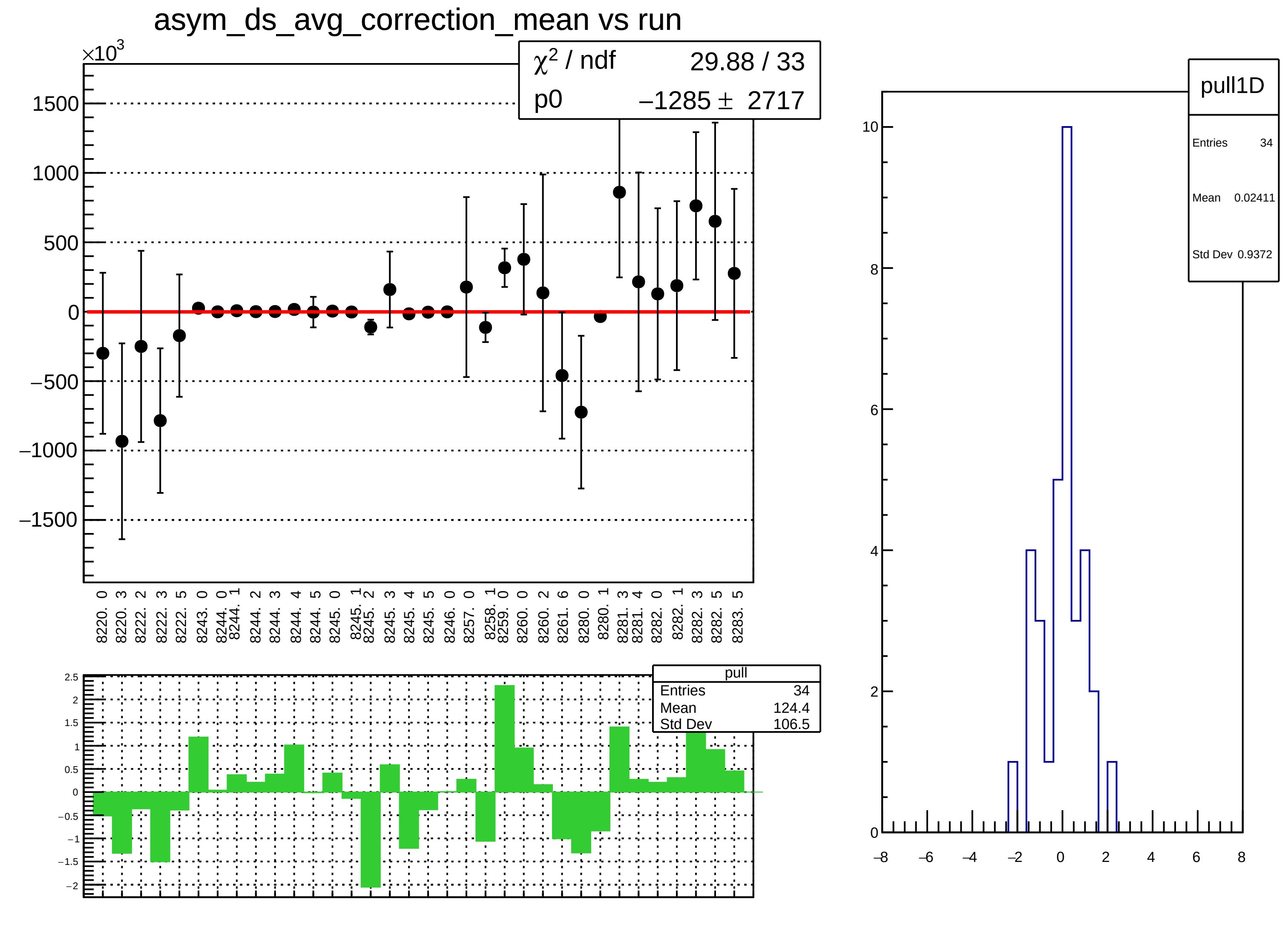

asym_us_dd_mean vs run
χ^2 / ndf 72.48 / 77
p0 −1147 ± 1825
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −209.4
Std Dev 249.5
pull1D
Entries 78
Mean 0.01887
Std Dev 0.9638


asym_us_dd_rms vs run
χ2 / ndf 4820 / 77
p0 1570 ± 1.29
1800
1750
1700
1650
1600
1550
1500
1450
1400

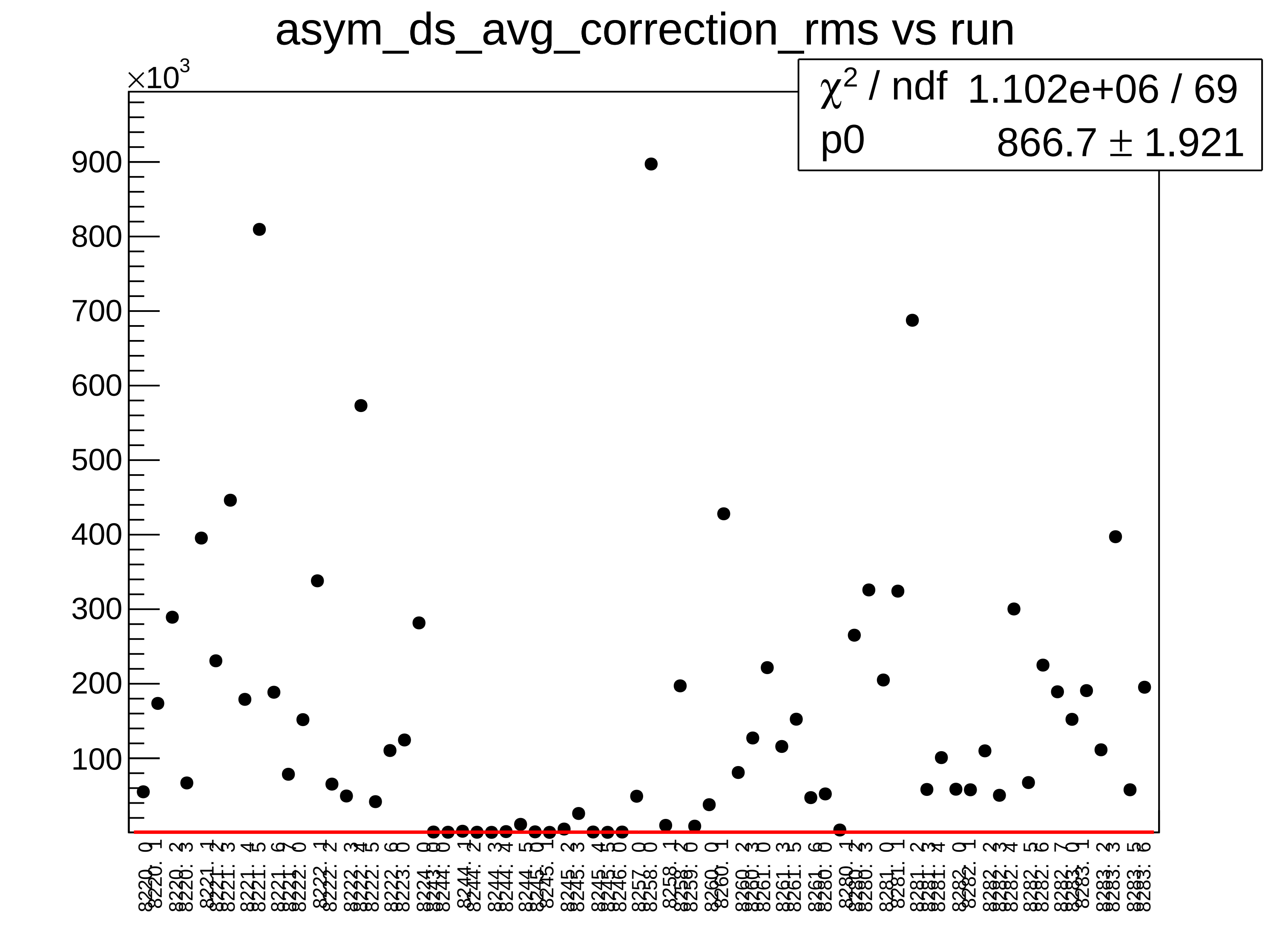


reg_asym_ds_avg_mean vs run
×10^3
χ2 / ndf 5.254 / 9
p0 1.484e+04 ± 1.368e+05
1000
500
0
−500
−1000
−1500
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8245. 0
8245. 1
8245. 4
8245. 5
8246. 0
pull
Entries 10
Mean 11.12
Std Dev 4.306
0.5
0
−0.5
−1
−1.5
pull1D
Entries 10
Mean −0.07789
Std Dev 0.7206
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

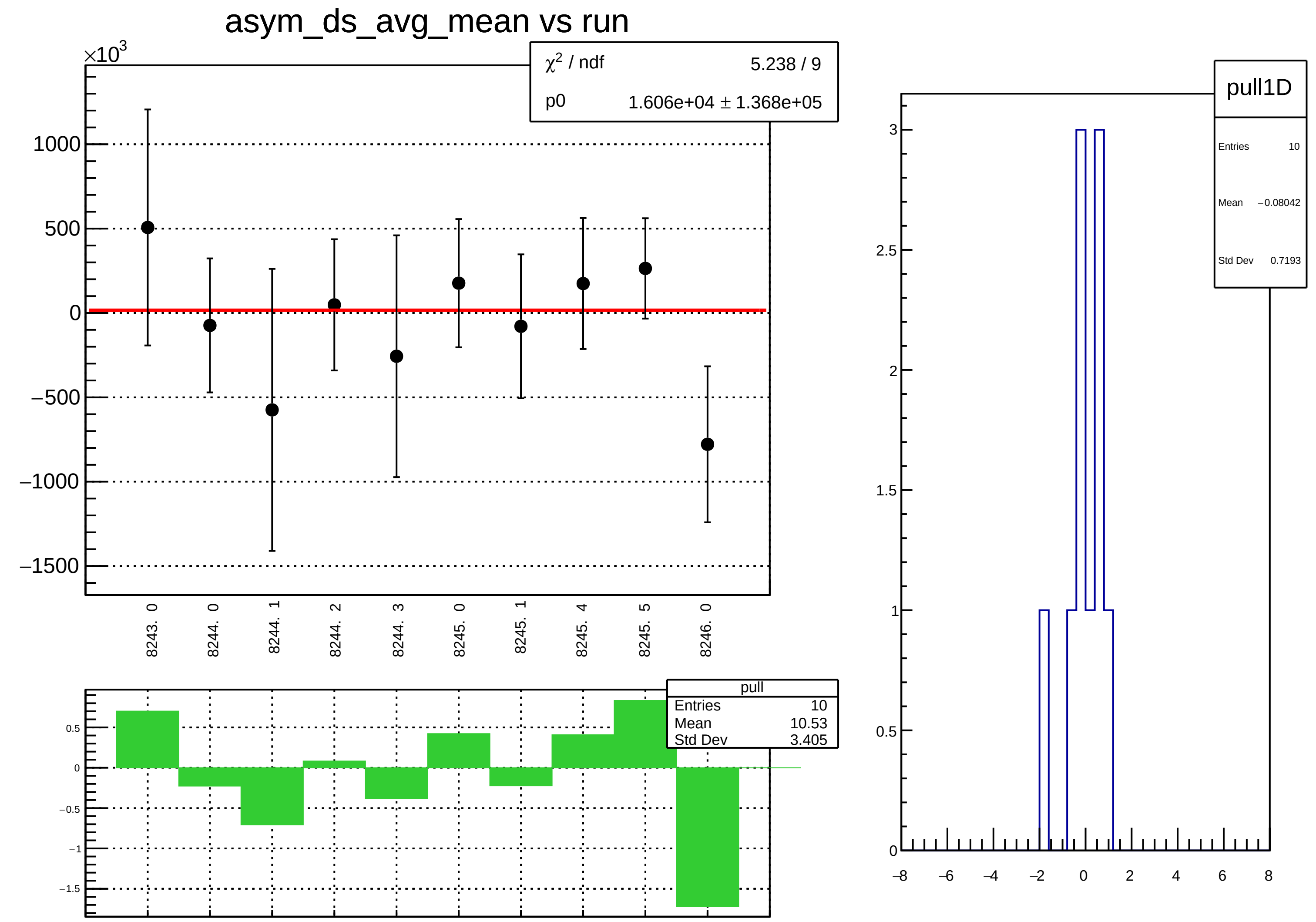

reg_asym_ds_avg_rms vs run
×10^3
χ2 / ndf 7.798e+04 / 15
p0 4.202e+04 ± 95.51
700
600
500
400
300
200
100
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 4
8245. 5
8246. 0
8258. 1
8259. 0
8280. 1



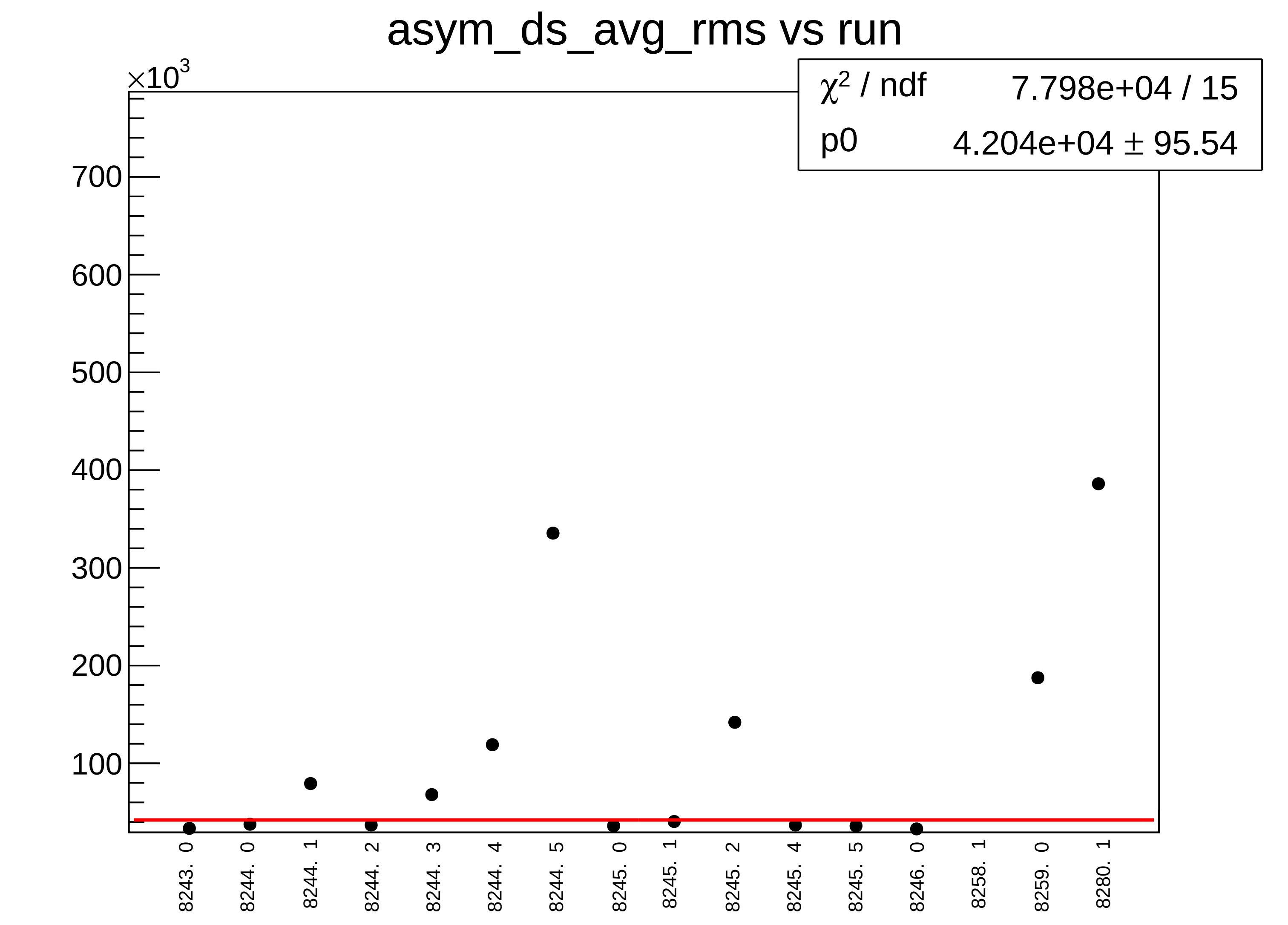
asym_ds_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 29.88 / 33
p0 −1285 ± 2717
1500
1000
500
0
−500
−1000
−1500
8220. 0
8220. 3
8222. 2
8222. 3
8222. 5
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 3
8245. 4
8245. 5
8246. 0
8257. 0
8258. 1
8259. 0
8260. 0
8260. 2
8261. 6
8280. 0
8280. 1
8281. 3
8281. 4
8282. 0
8282. 1
8282. 3
8282. 5
8283. 5
pull
Entries 34
Mean 124.4
Std Dev 106.5
pull1D
Entries 34
Mean 0.02411
Std Dev 0.9372

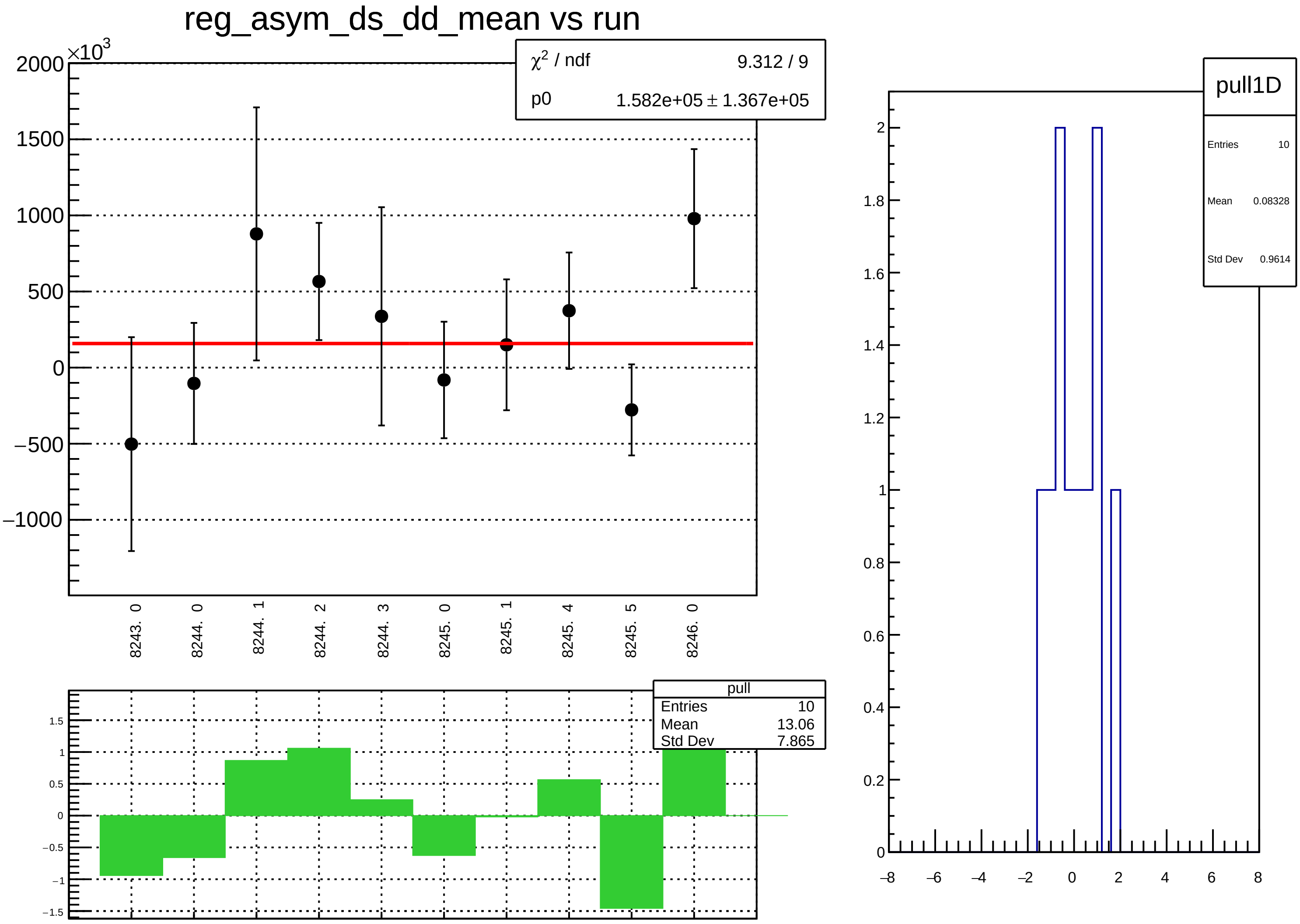


asym_ds_avg_correction_rms vs run
×10^3
χ^2 / ndf 1.102e+06 / 69
p0 866.7 ± 1.921
900
800
700
600
500
400
300
200
100

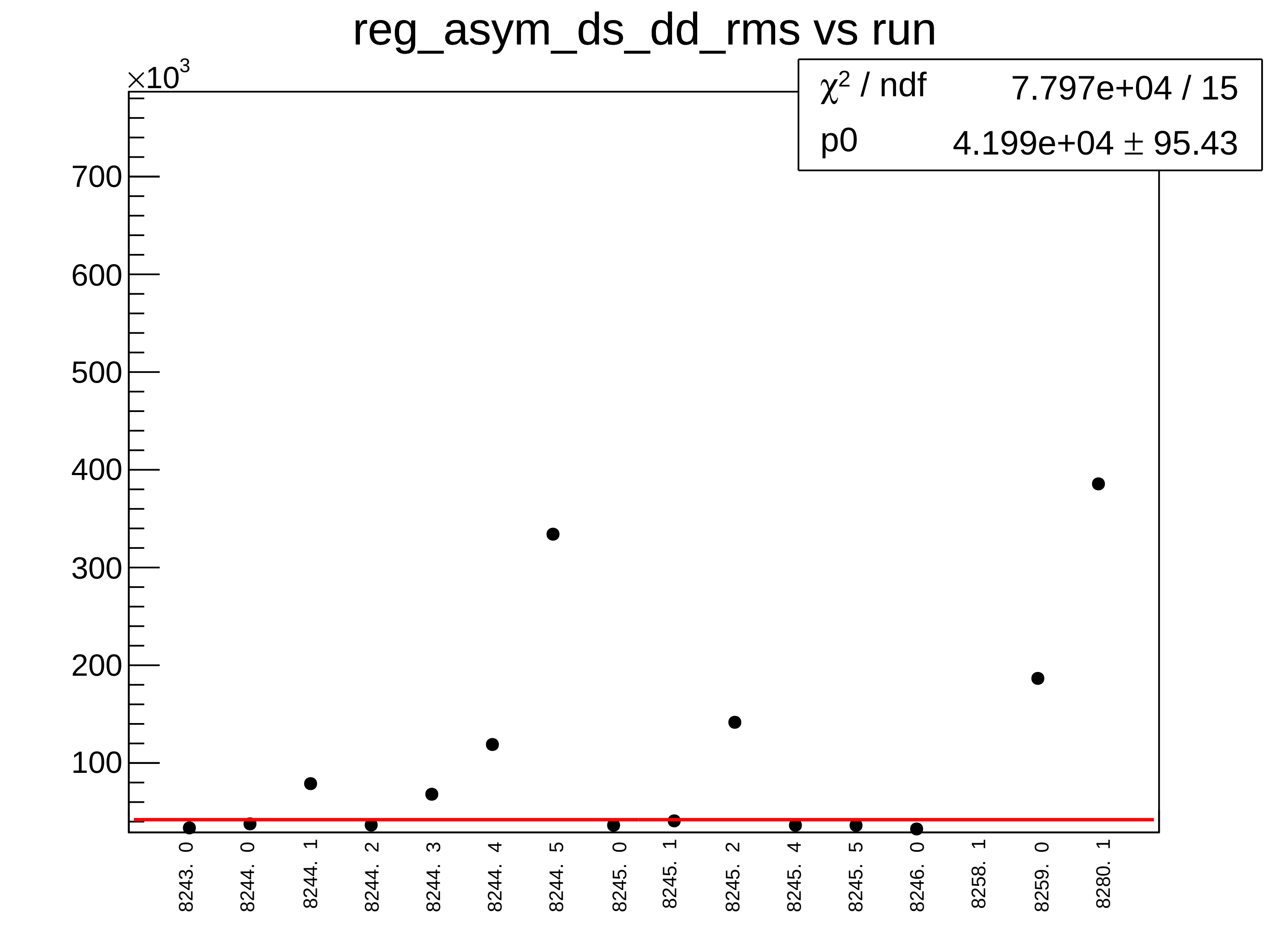


asym_ds_avg_mean vs run
×10^3
χ2 / ndf 5.238 / 9
p0 1.606e+04 ± 1.368e+05
1000
500
0
−500
−1000
−1500
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8245. 0
8245. 1
8245. 4
8245. 5
8246. 0
pull
Entries 10
Mean 10.53
Std Dev 3.405
0.5
0
−0.5
−1
−1.5
pull1D
Entries 10
Mean −0.08042
Std Dev 0.7193
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

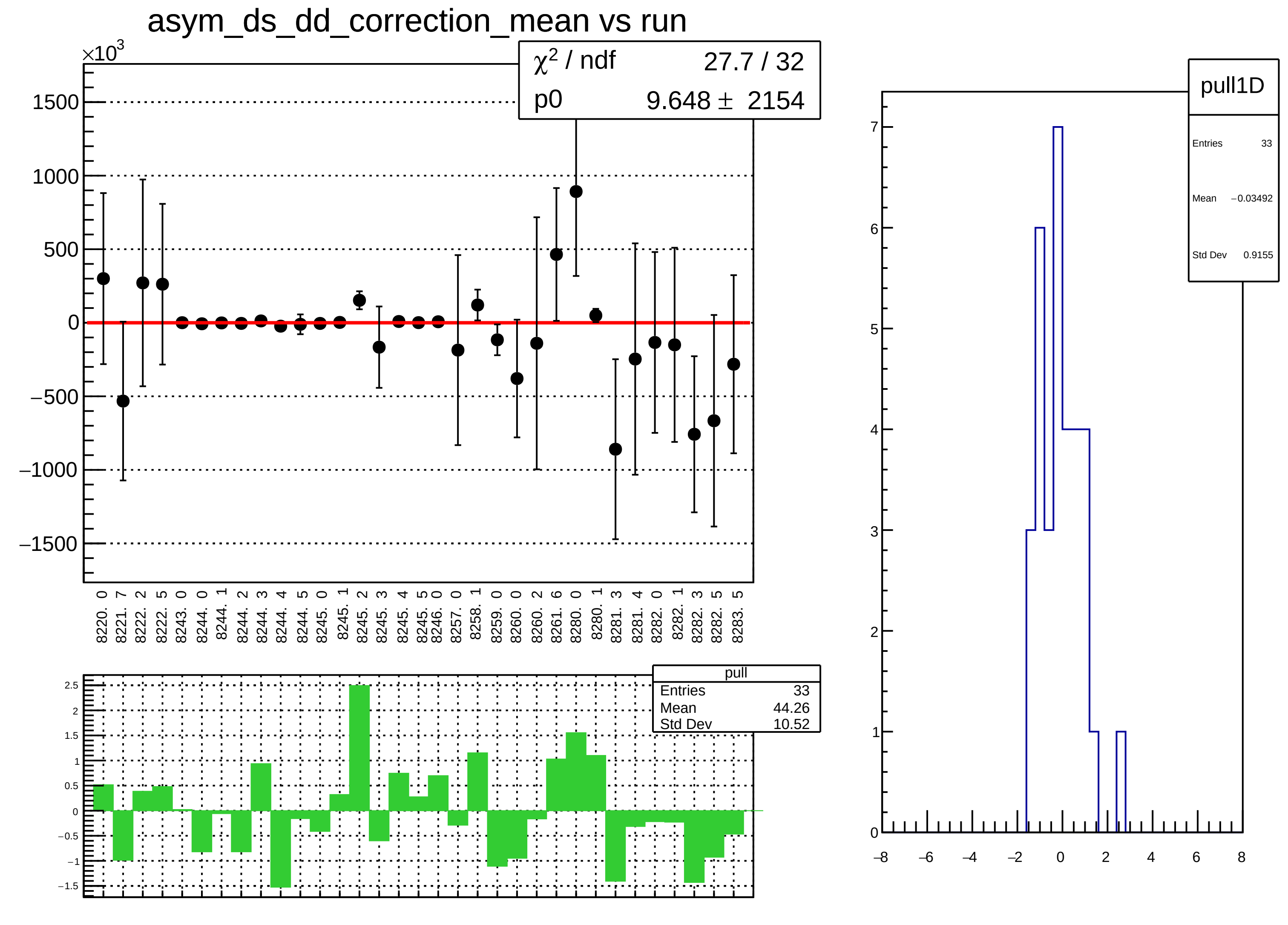

asym_ds_avg_rms vs run
×10^3
χ2 / ndf 7.798e+04 / 15
p0 4.204e+04 ± 95.54
700
600
500
400
300
200
100
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 4
8245. 5
8246. 0
8258. 1
8259. 0
8280. 1



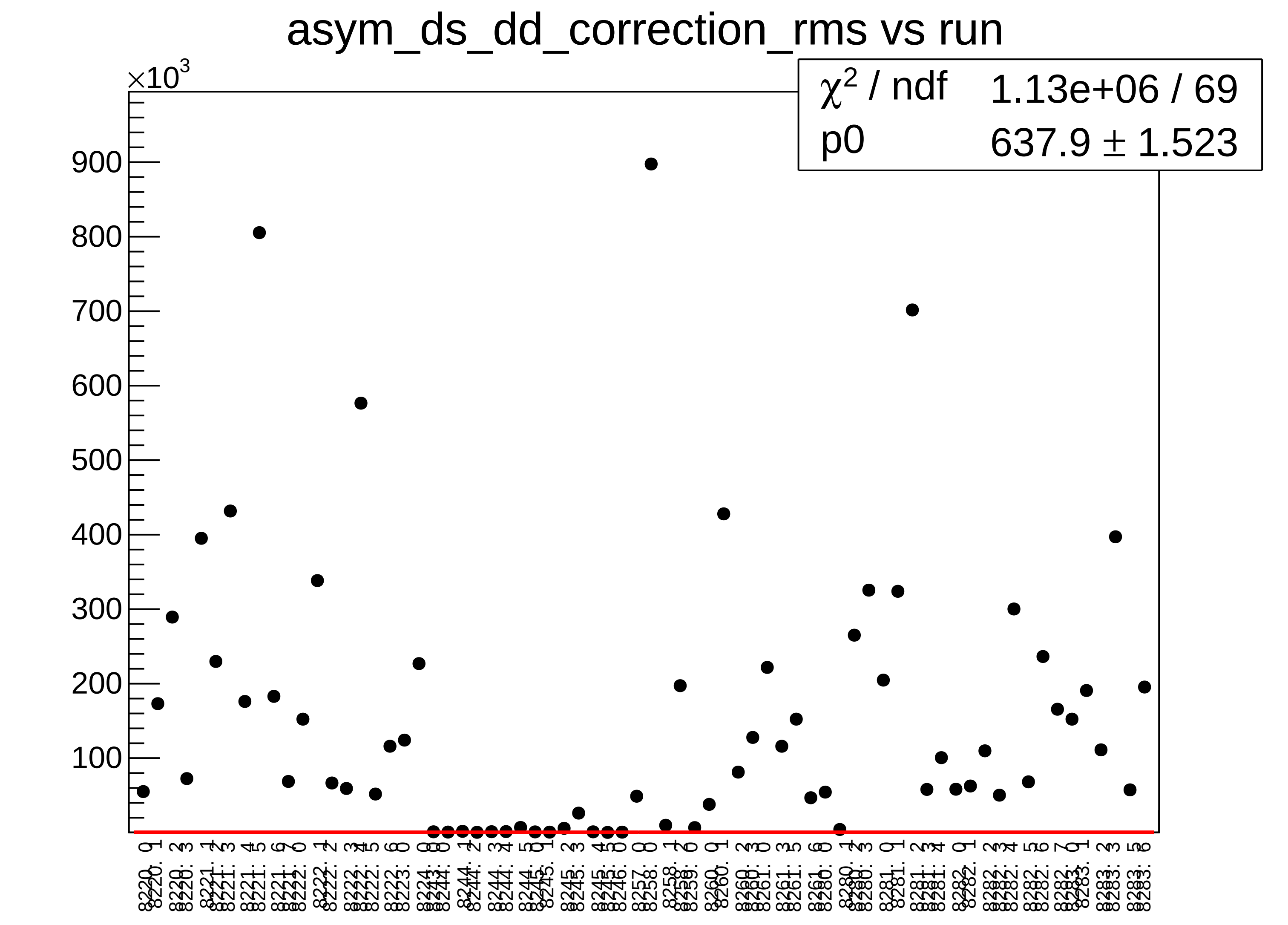
reg_asym_ds_dd_mean vs run
$\times10^3$
2000
1500
1000
500
0
−500
−1000
χ^2 / ndf 9.312 / 9
p0 1.582e+05 ± 1.367e+05
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8245. 0
8245. 1
8245. 4
8245. 5
8246. 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull
Entries 10
Mean 13.06
Std Dev 7.865
pull1D
Entries 10
Mean 0.08328
Std Dev 0.9614
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



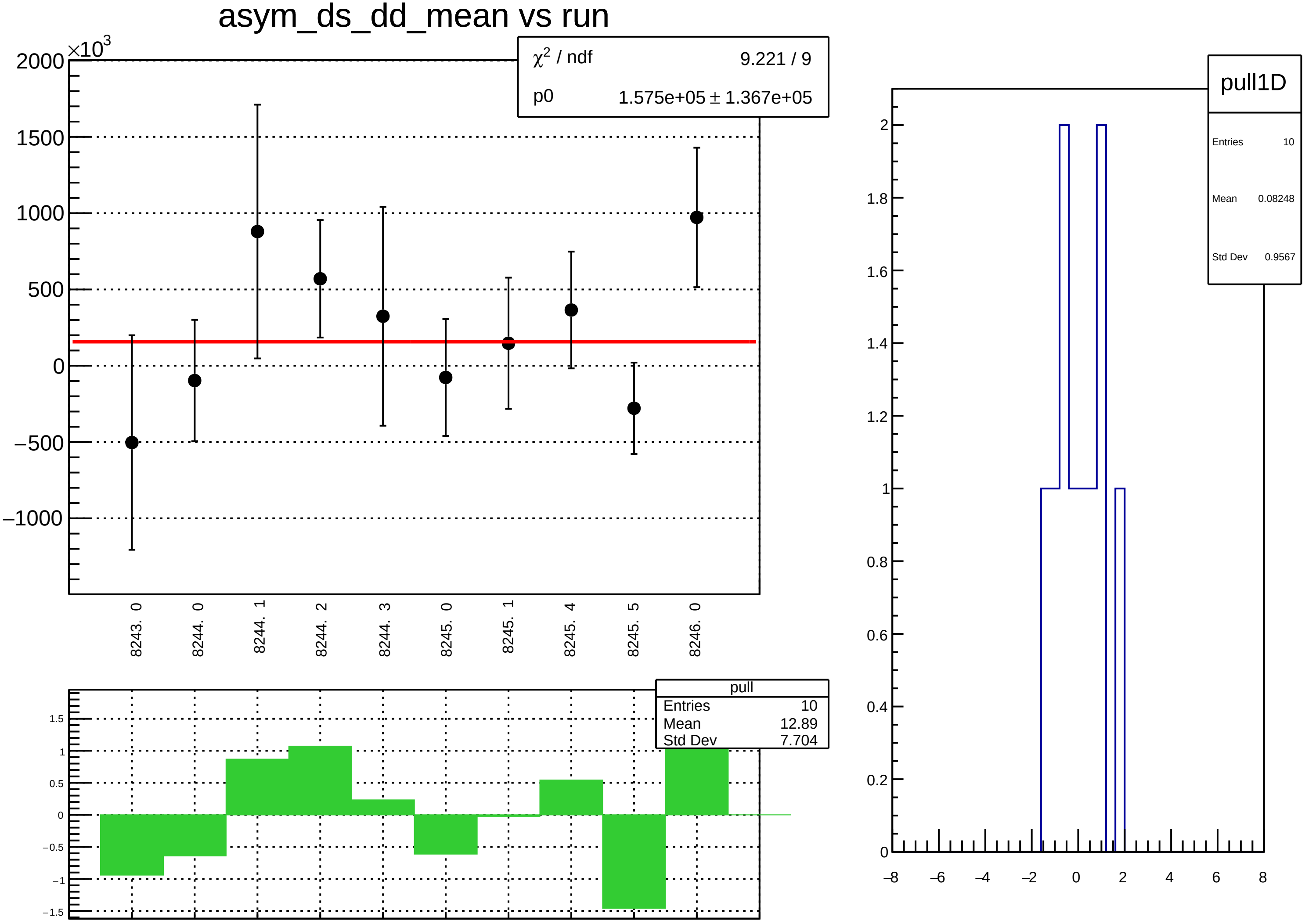
reg_asym_ds_dd_rms vs run
$\times 10^3$
χ^2 / ndf 7.797e+04 / 15
p0 4.199e+04 ± 95.43
700
600
500
400
300
200
100
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 4
8245. 5
8246. 0
8258. 1
8259. 0
8280. 1



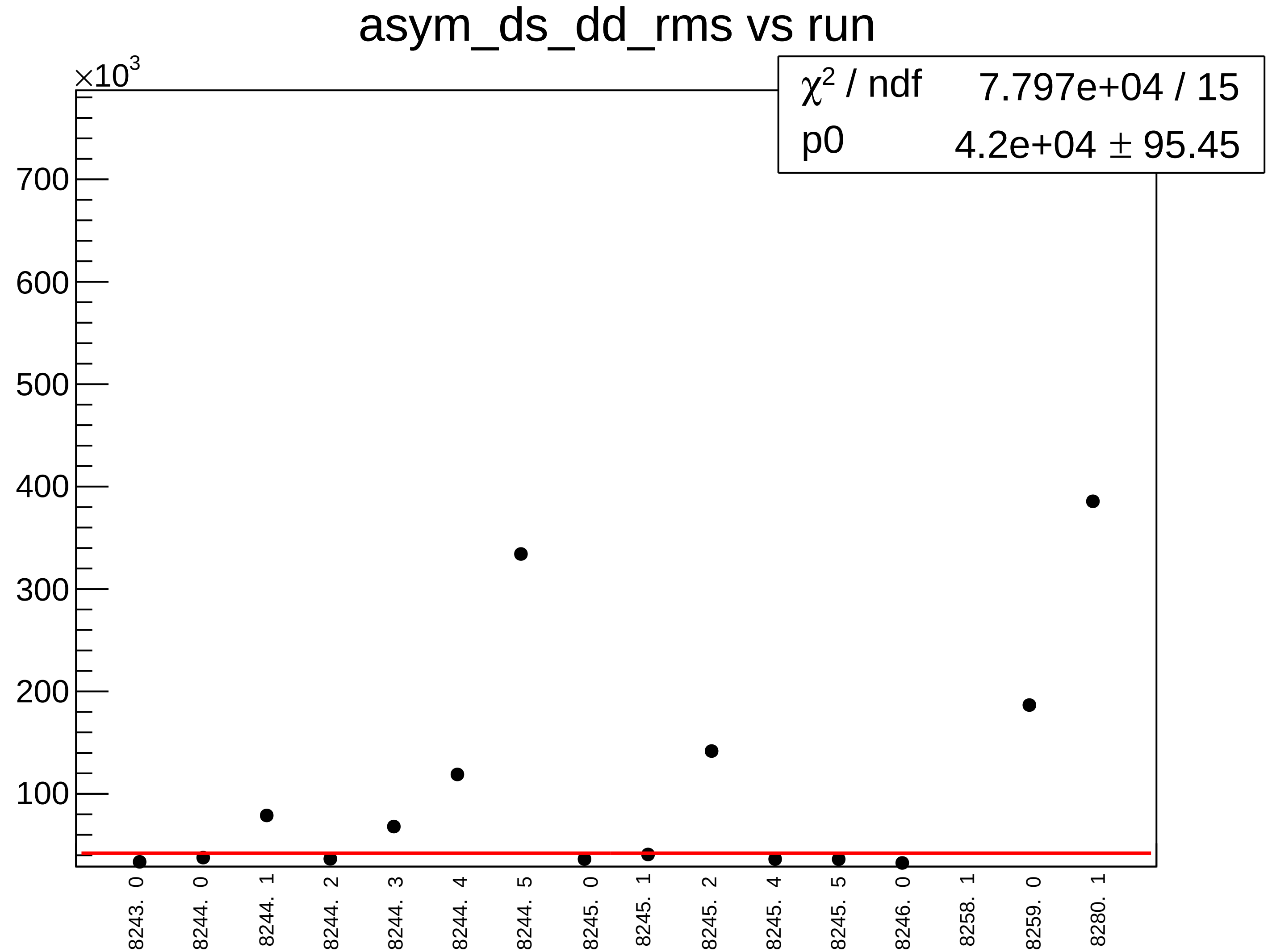
asym_ds_dd_correction_mean vs run
×10^3
χ2 / ndf 27.7 / 32
p0 9.648 ± 2154
1500
1000
500
0
−500
−1000
−1500
8220. 0
8221. 7
8222. 2
8222. 5
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 3
8245. 4
8245. 5
8246. 0
8257. 0
8258. 1
8259. 0
8260. 0
8260. 2
8261. 6
8280. 0
8280. 1
8281. 3
8281. 4
8282. 0
8282. 1
8282. 3
8282. 5
8283. 5
pull
Entries 33
Mean 44.26
Std Dev 10.52
pull1D
Entries 33
Mean −0.03492
Std Dev 0.9155

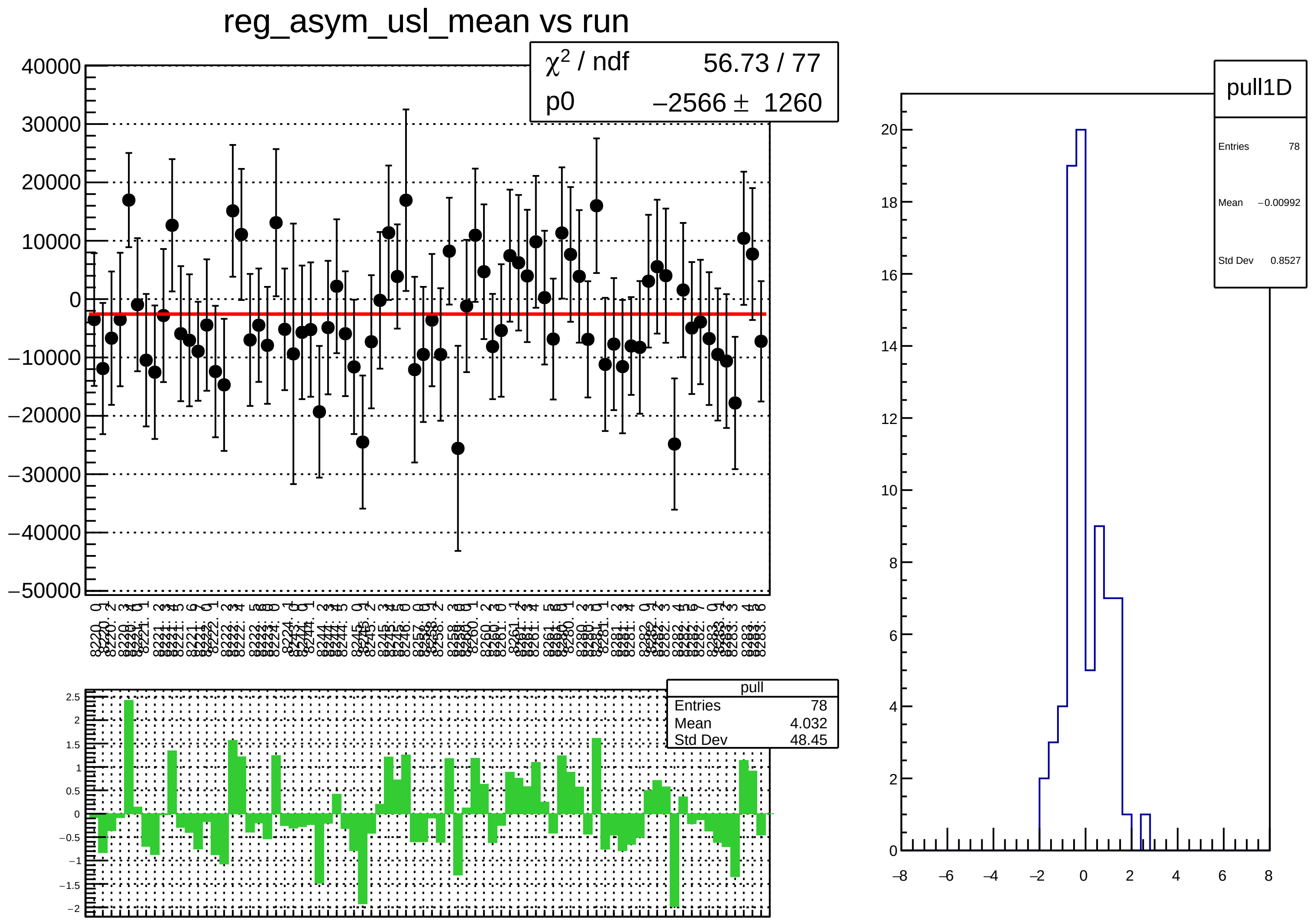


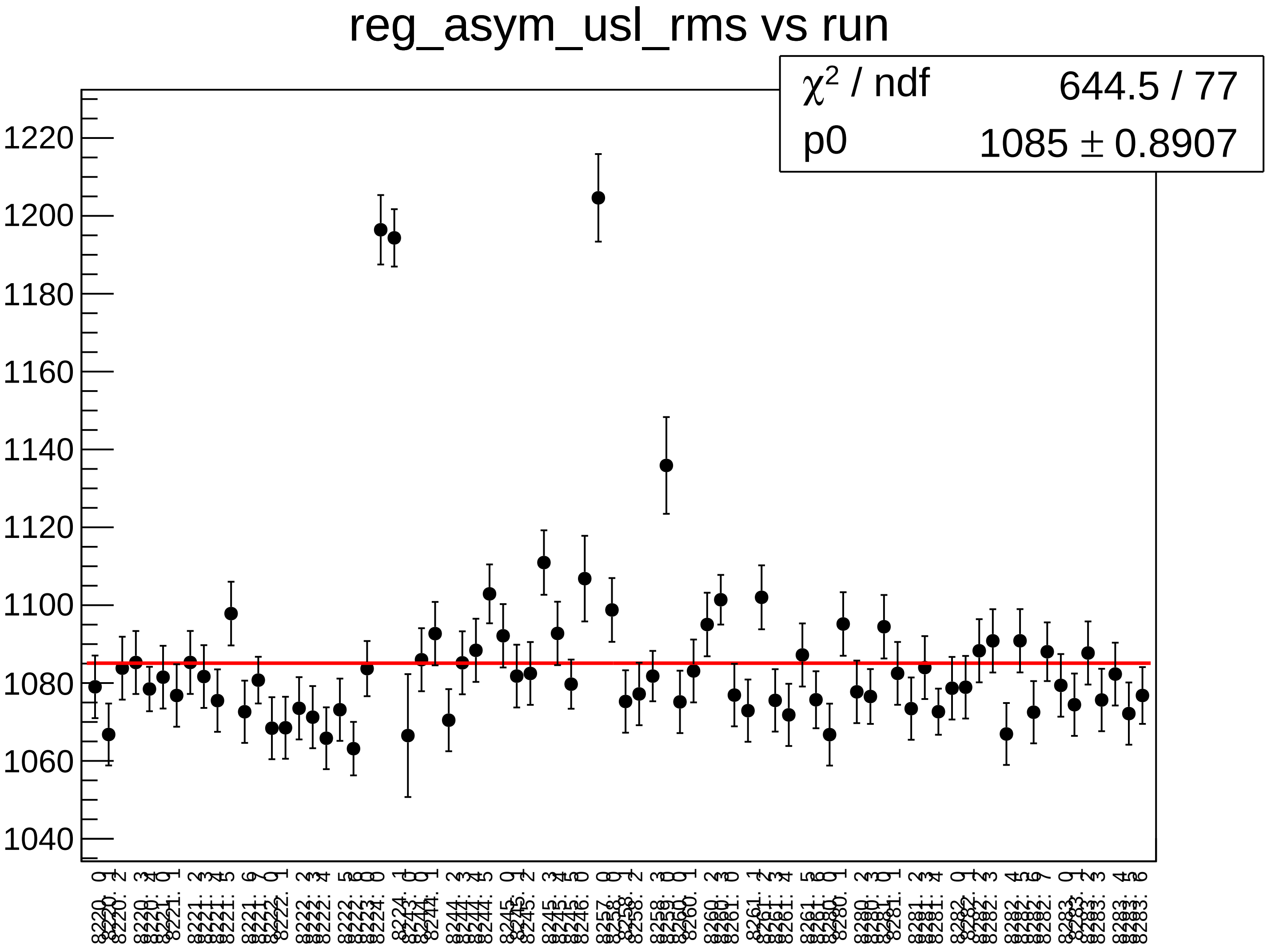
asym_ds_dd_correction_rms vs run
×10³
χ² / ndf 1.13e+06 / 69
p0 637.9 ± 1.523
900
800
700
600
500
400
300
200
100



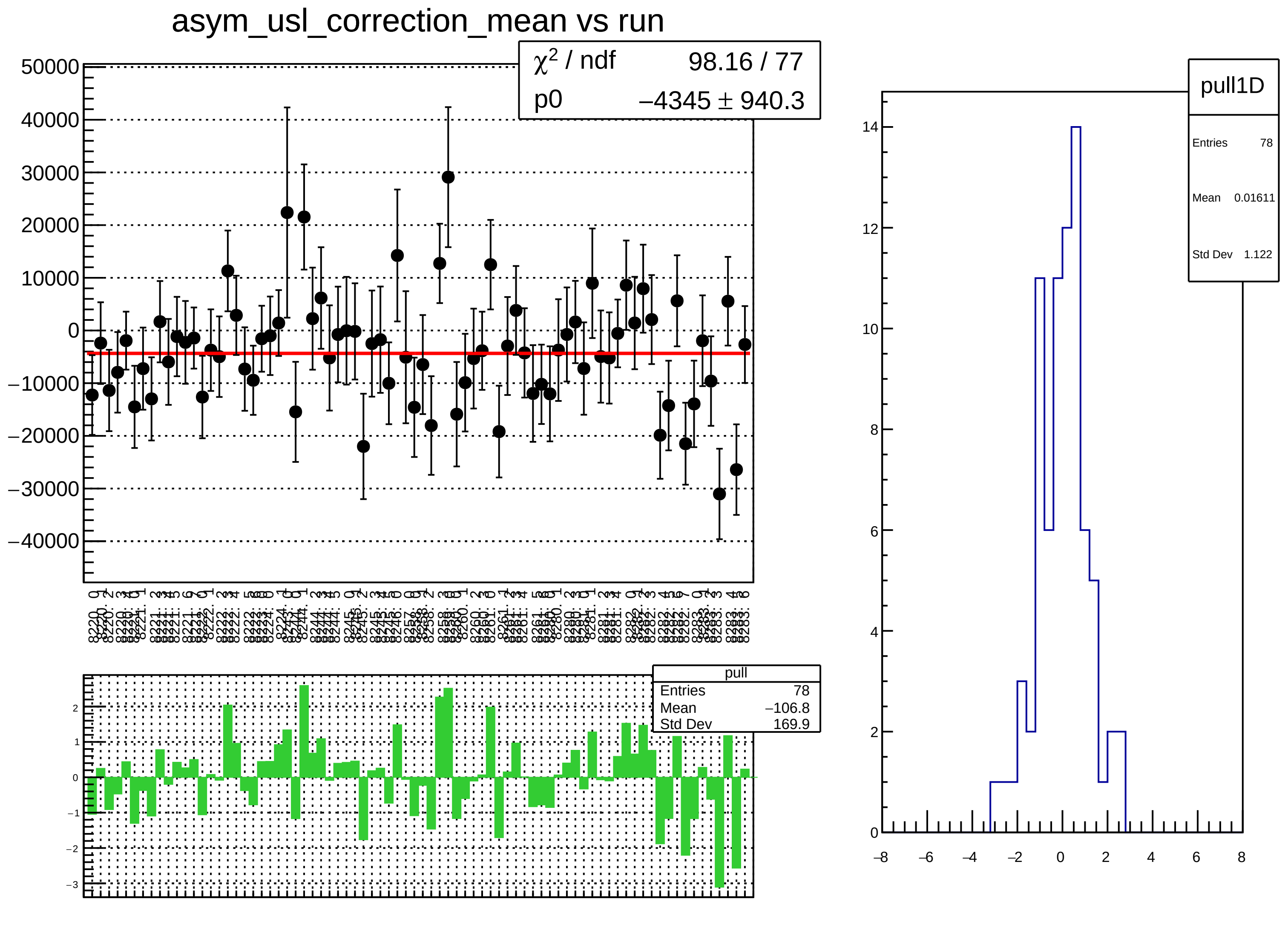
asym_ds_dd_mean vs run
×10^3
χ2 / ndf 9.221 / 9
p0 1.575e+05 ± 1.367e+05
2000
1500
1000
500
0
−500
−1000
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8245. 0
8245. 1
8245. 4
8245. 5
8246. 0
pull
Entries 10
Mean 12.89
Std Dev 7.704
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 10
Mean 0.08248
Std Dev 0.9567
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_dd_rms vs run
×10^3
χ2 / ndf 7.797e+04 / 15
p0 4.2e+04 ± 95.45
700
600
500
400
300
200
100
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 4
8245. 5
8246. 0
8258. 1
8259. 0
8280. 1

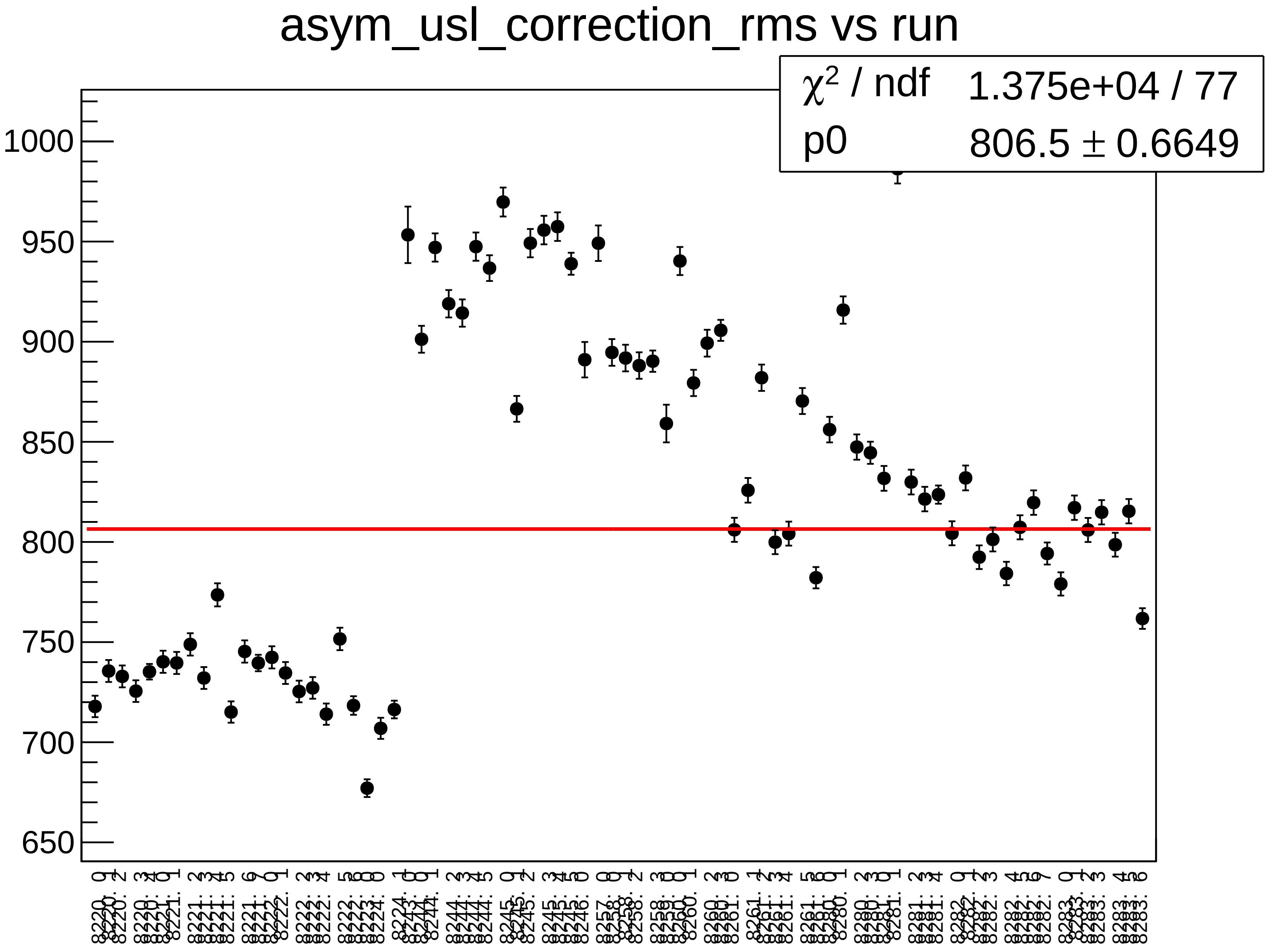

reg_asym_usl_mean vs run
χ^2 / ndf 56.73 / 77
p0 −2566 ± 1260
pull
Entries 78
Mean 4.032
Std Dev 48.45
pull1D
Entries 78
Mean −0.00992
Std Dev 0.8527

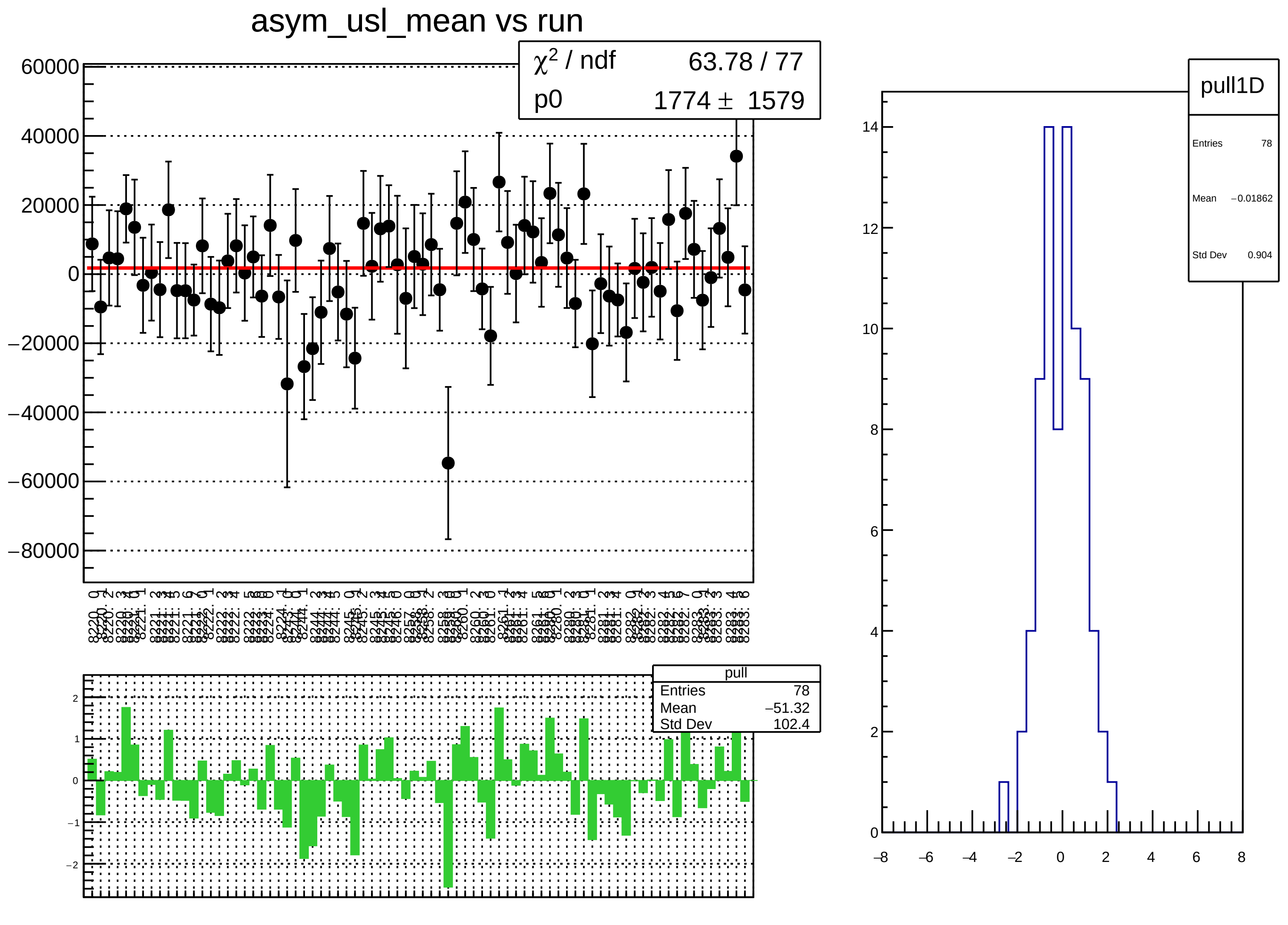


reg_asym_usl_rms vs run
χ^2 / ndf 644.5 / 77
p0 1085 ± 0.8907
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040

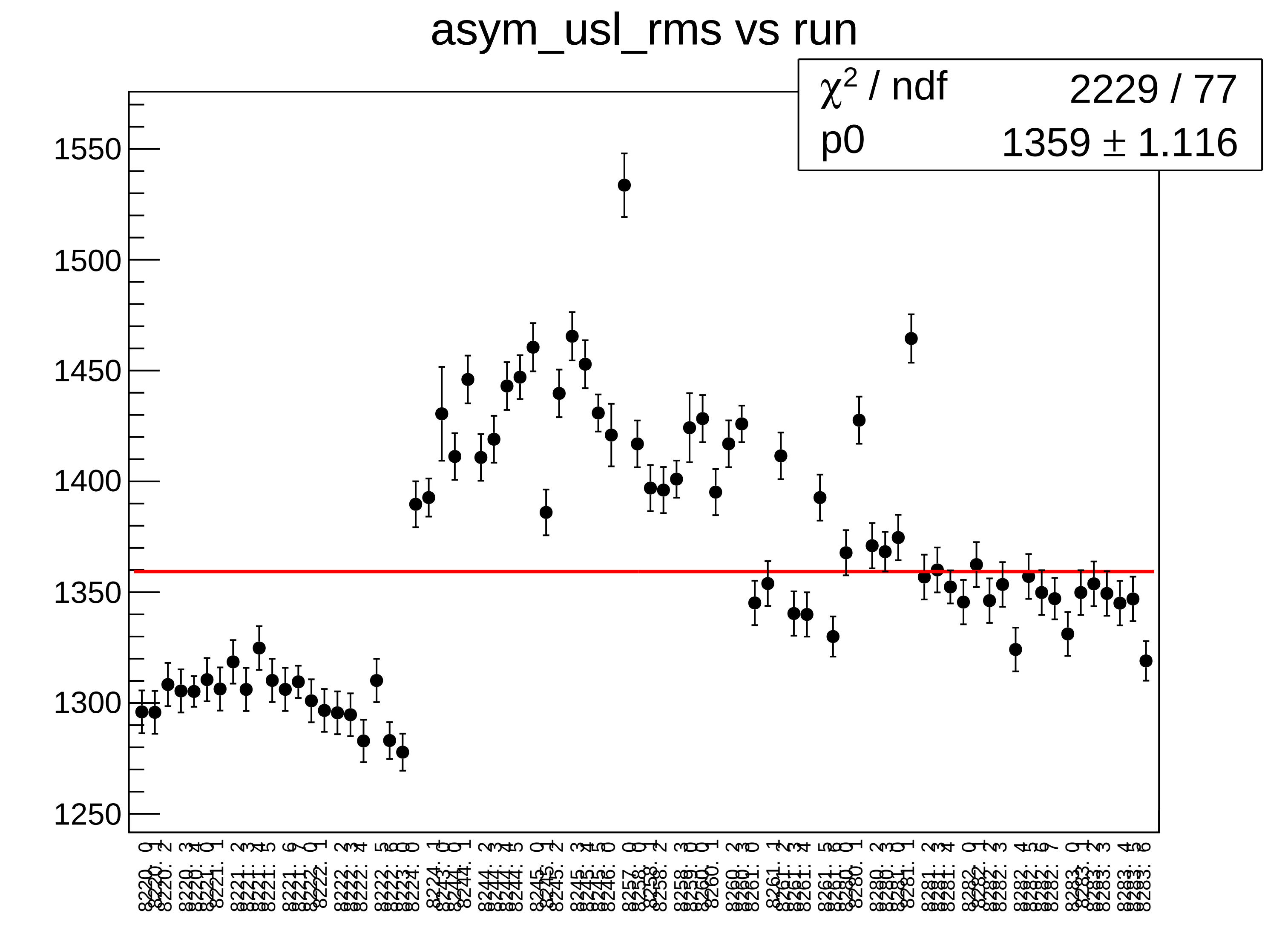


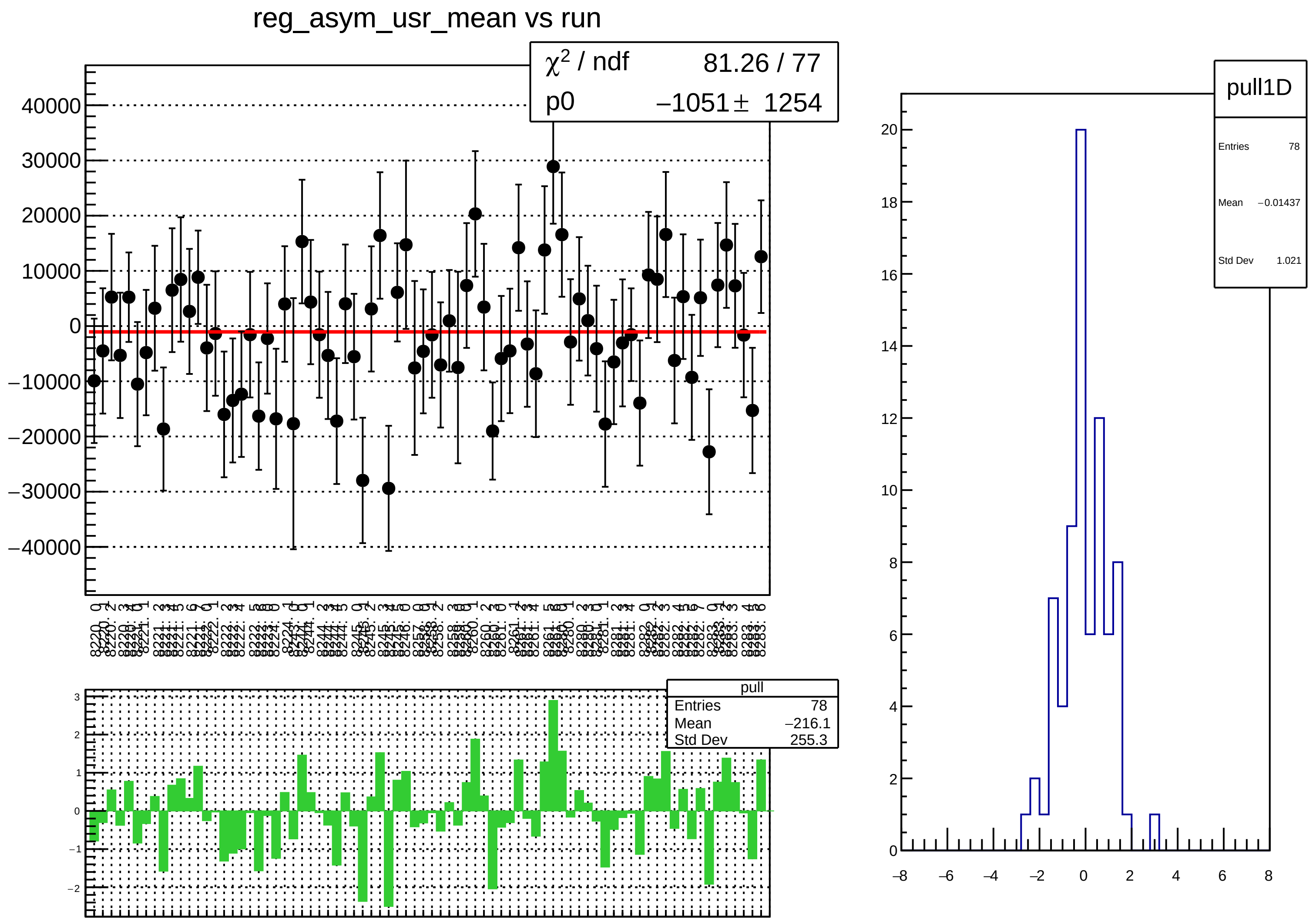
asym_usl_correction_mean vs run
χ2 / ndf 98.16 / 77
p0 −4345 ± 940.3
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 78
Mean −106.8
Std Dev 169.9
pull1D
Entries 78
Mean 0.01611
Std Dev 1.122

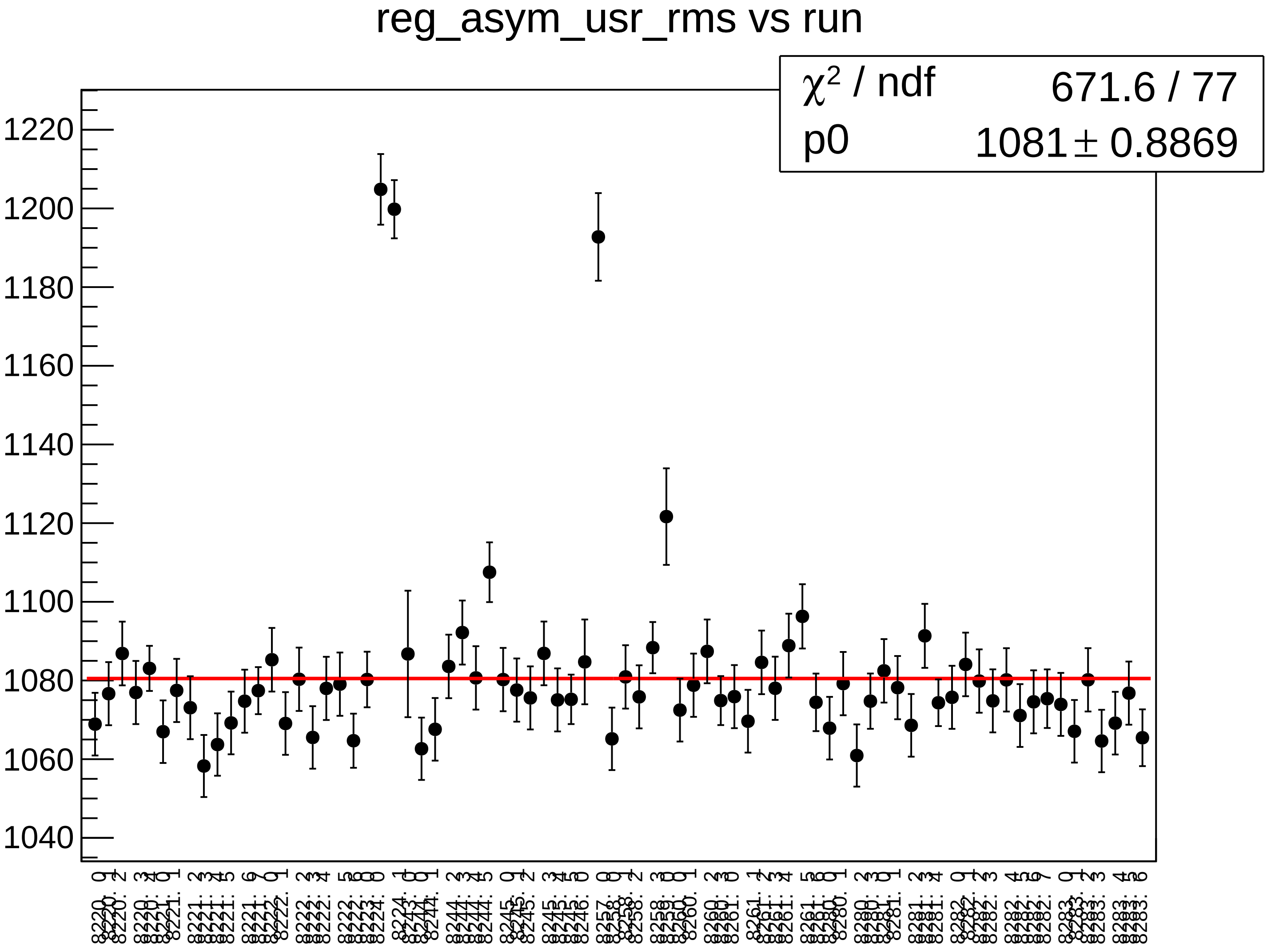

asym_usl_correction_rms vs run
χ2 / ndf 1.375e+04 / 77
p0 806.5 ± 0.6649
1000
950
900
850
800
750
700
650

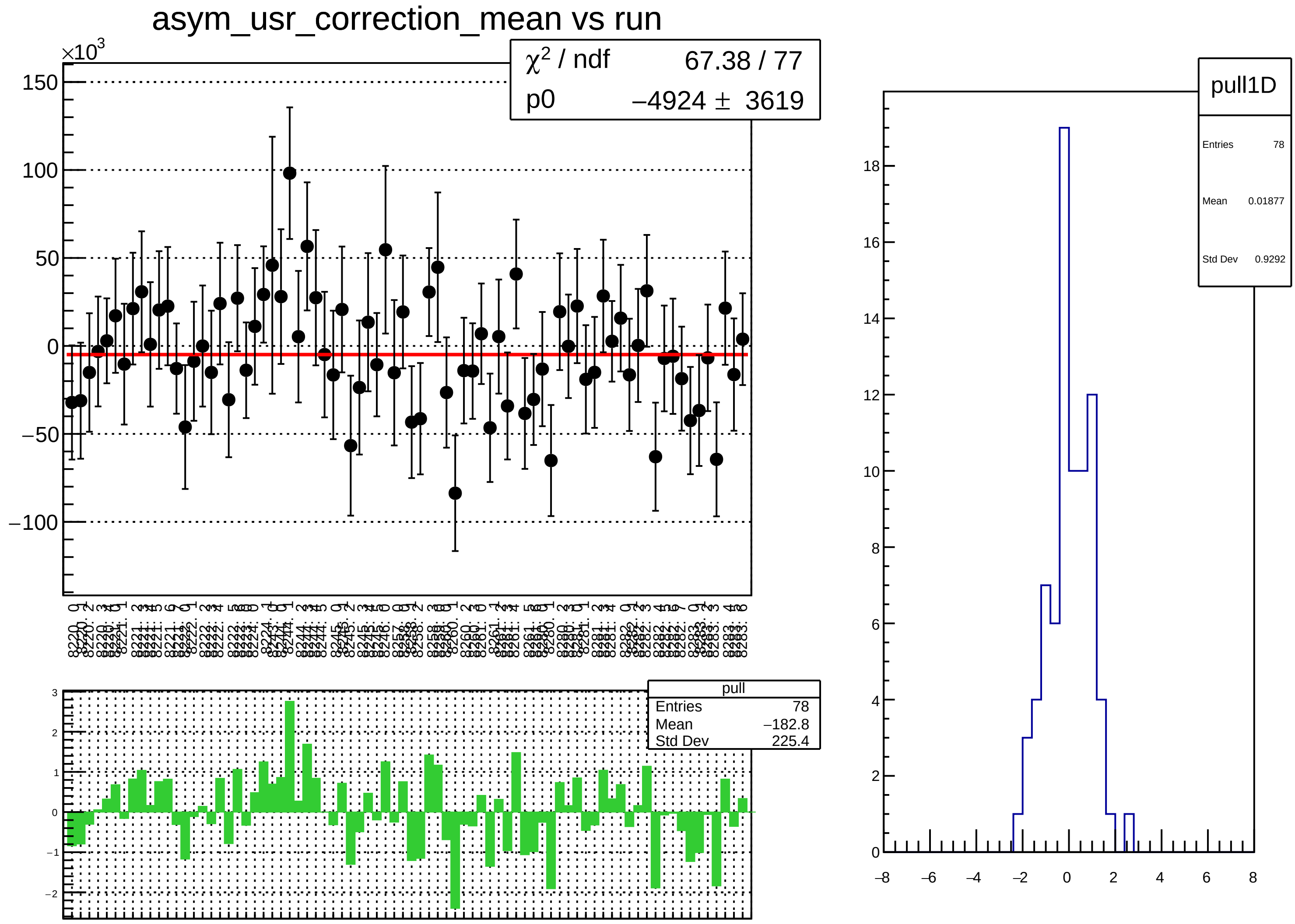


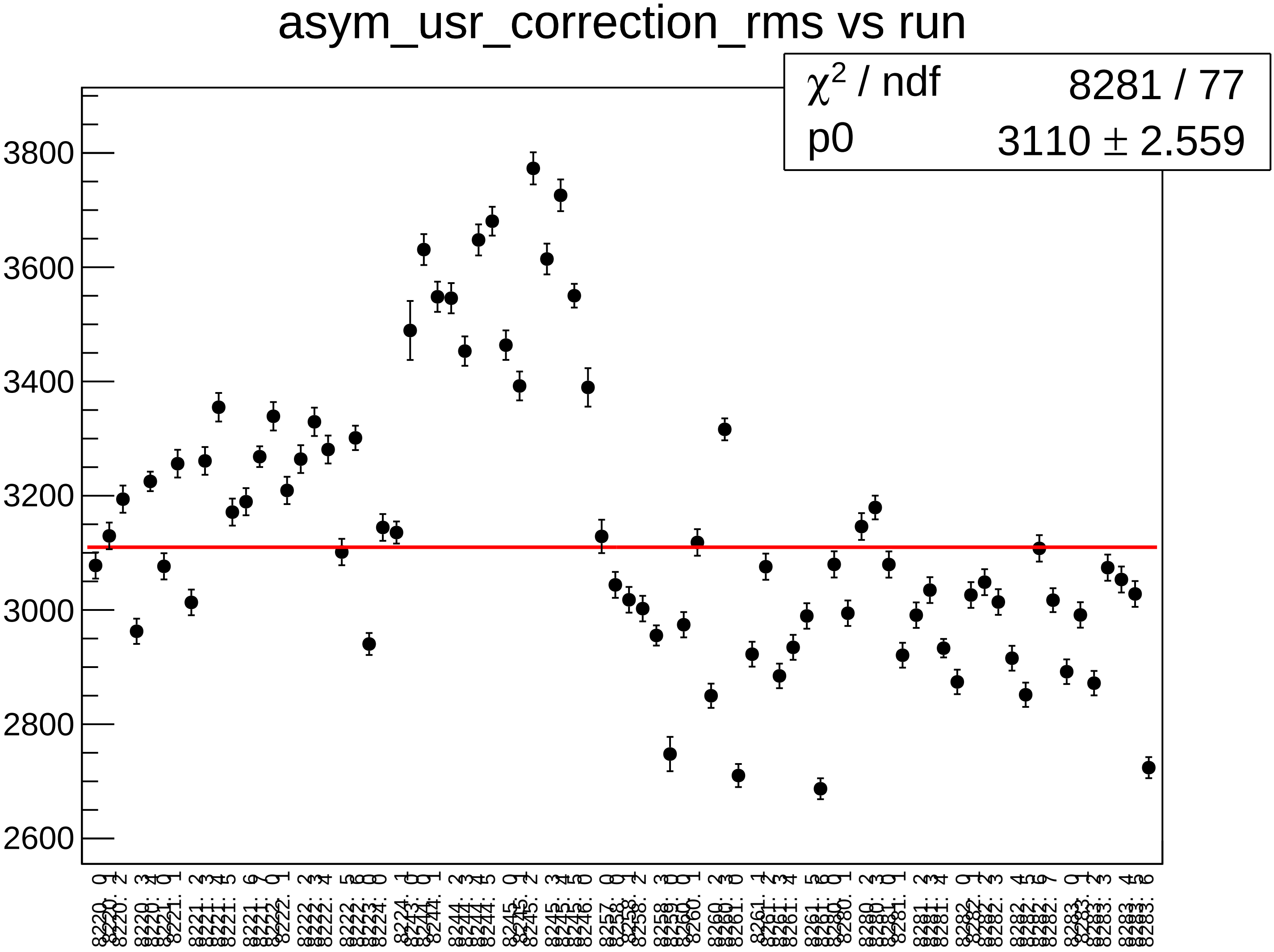
asym_usl_mean vs run
χ2 / ndf 63.78 / 77
p0 1774 ± 1579
pull
Entries 78
Mean −51.32
Std Dev 102.4
pull1D
Entries 78
Mean −0.01862
Std Dev 0.904

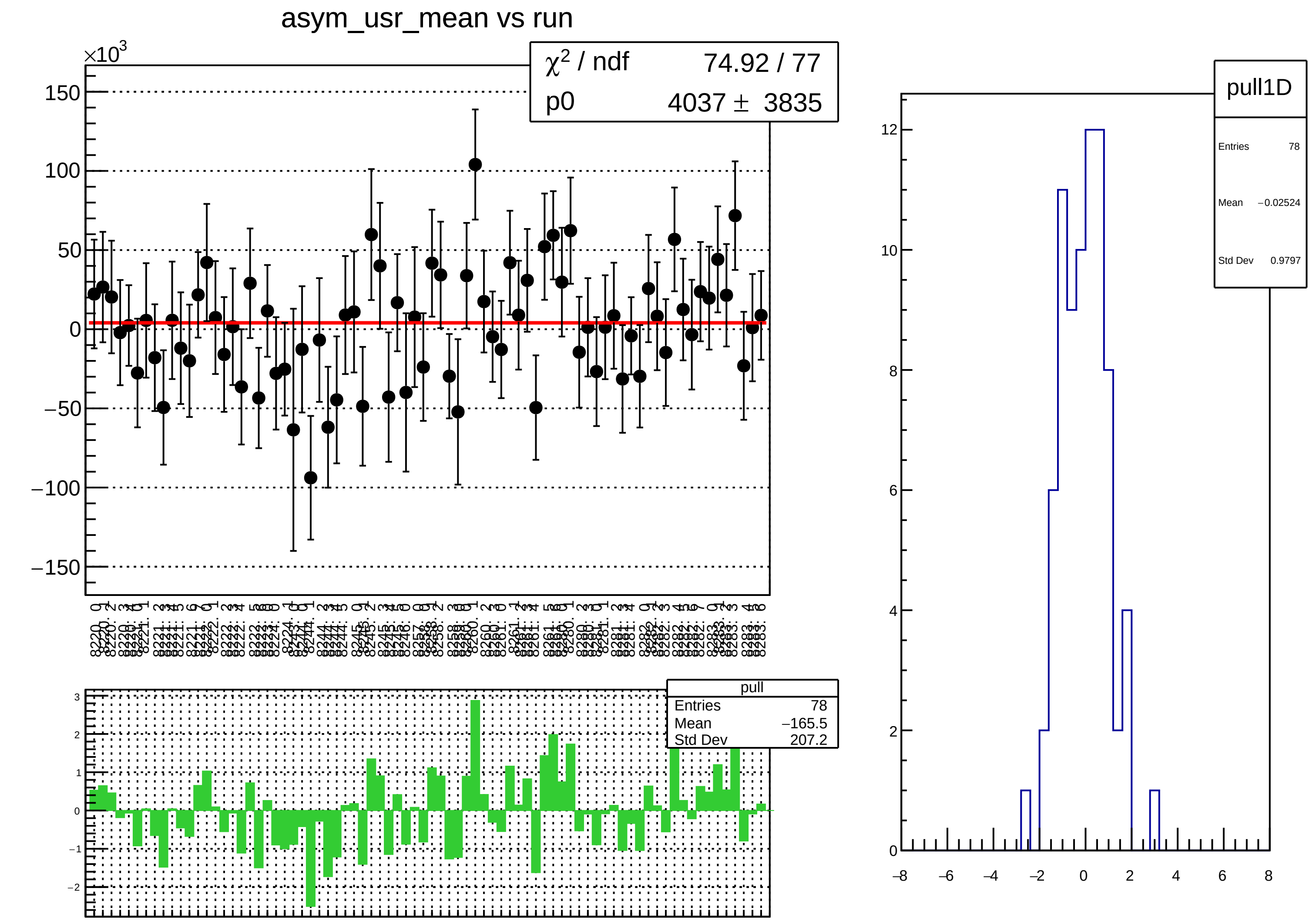

asym_usl_rms vs run
χ^2 / ndf 2229 / 77
p0 1359 ± 1.116
1550
1500
1450
1400
1350
1300
1250

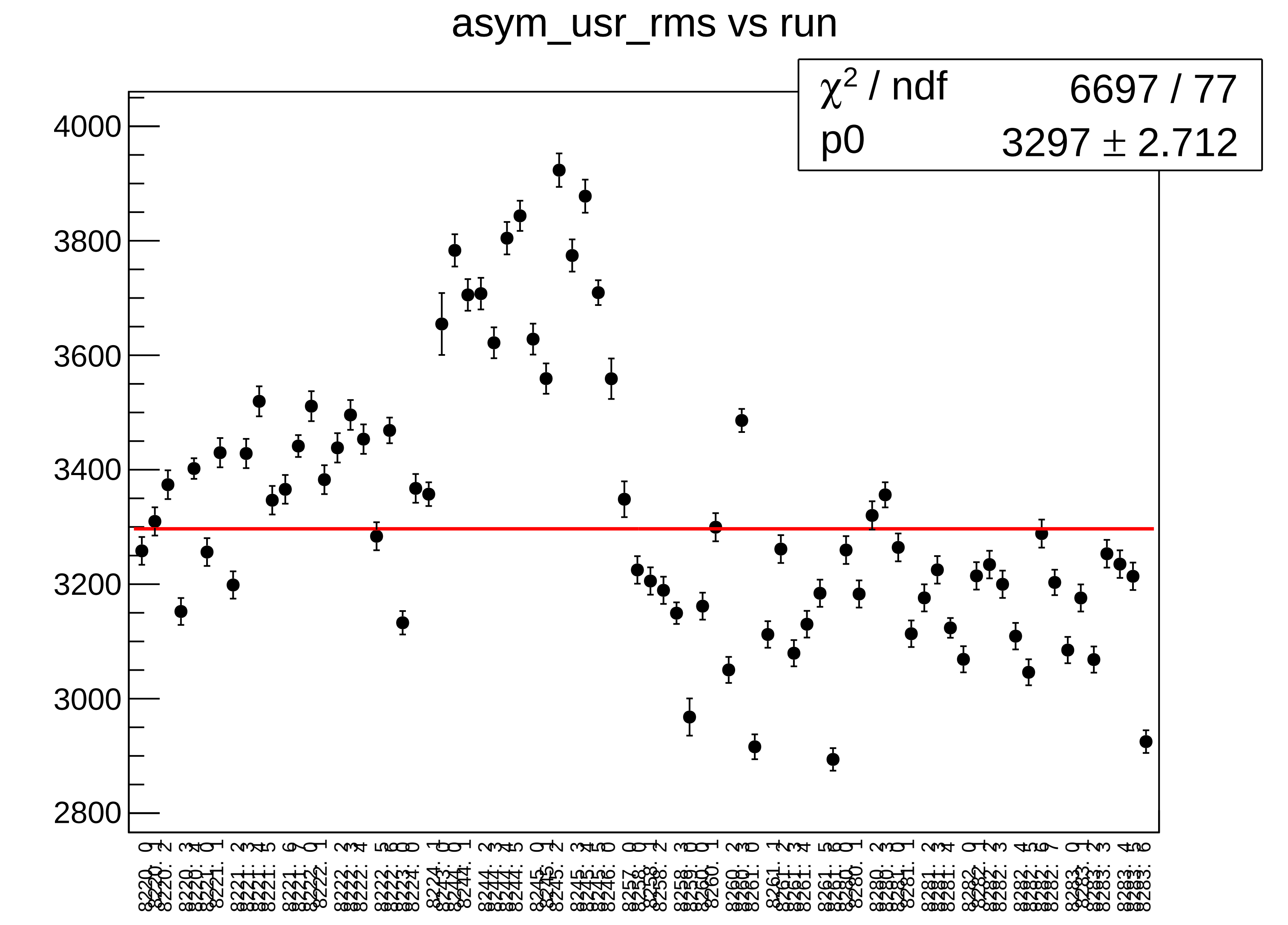

reg_asym_usr_mean vs run
χ^2 / ndf 81.26 / 77
p0 −1051 ± 1254
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 78
Mean −216.1
Std Dev 255.3
pull1D
Entries 78
Mean −0.01437
Std Dev 1.021

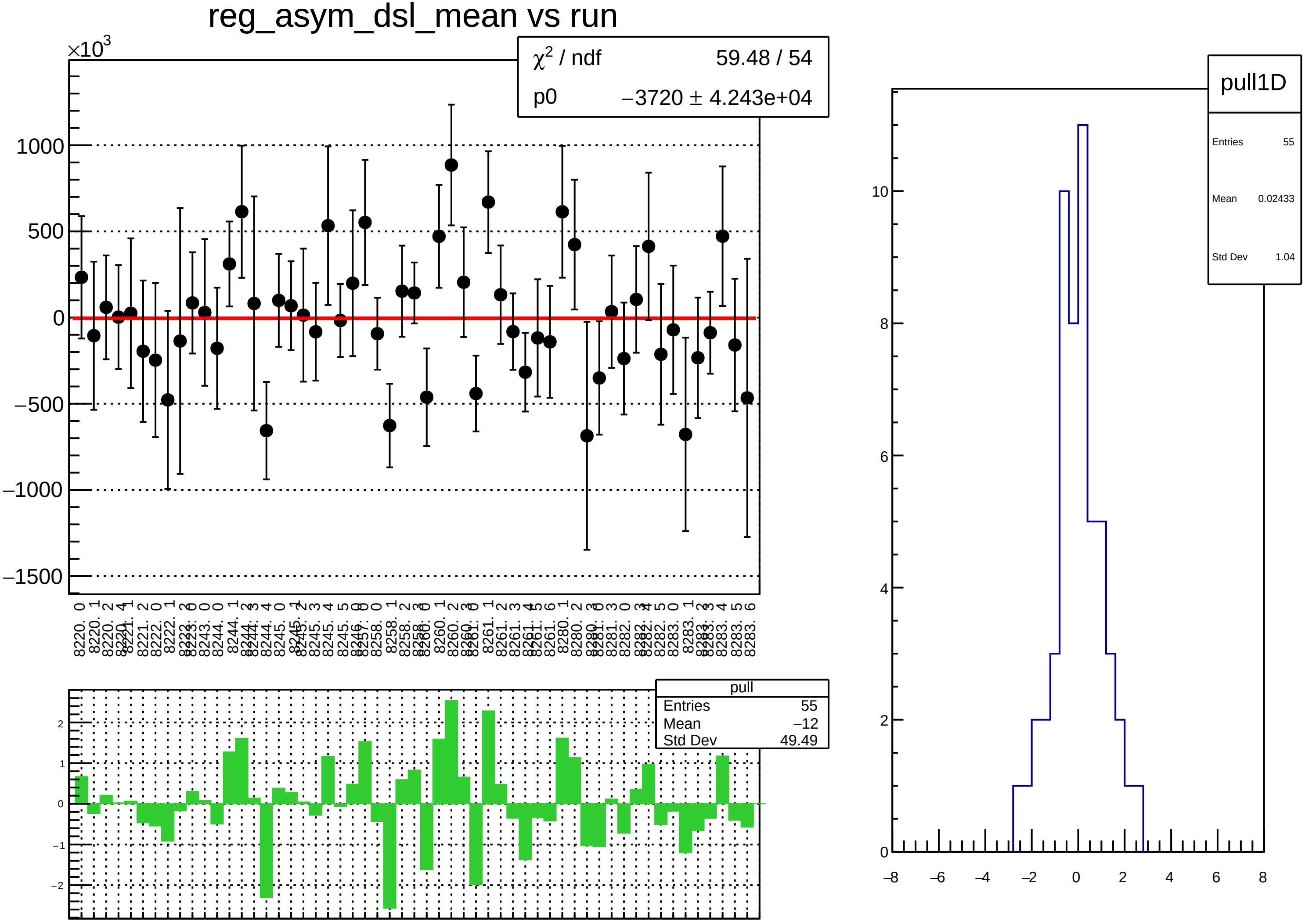

reg_asym_usr_rms vs run
χ2 / ndf 671.6 / 77
p0 1081 ± 0.8869
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040

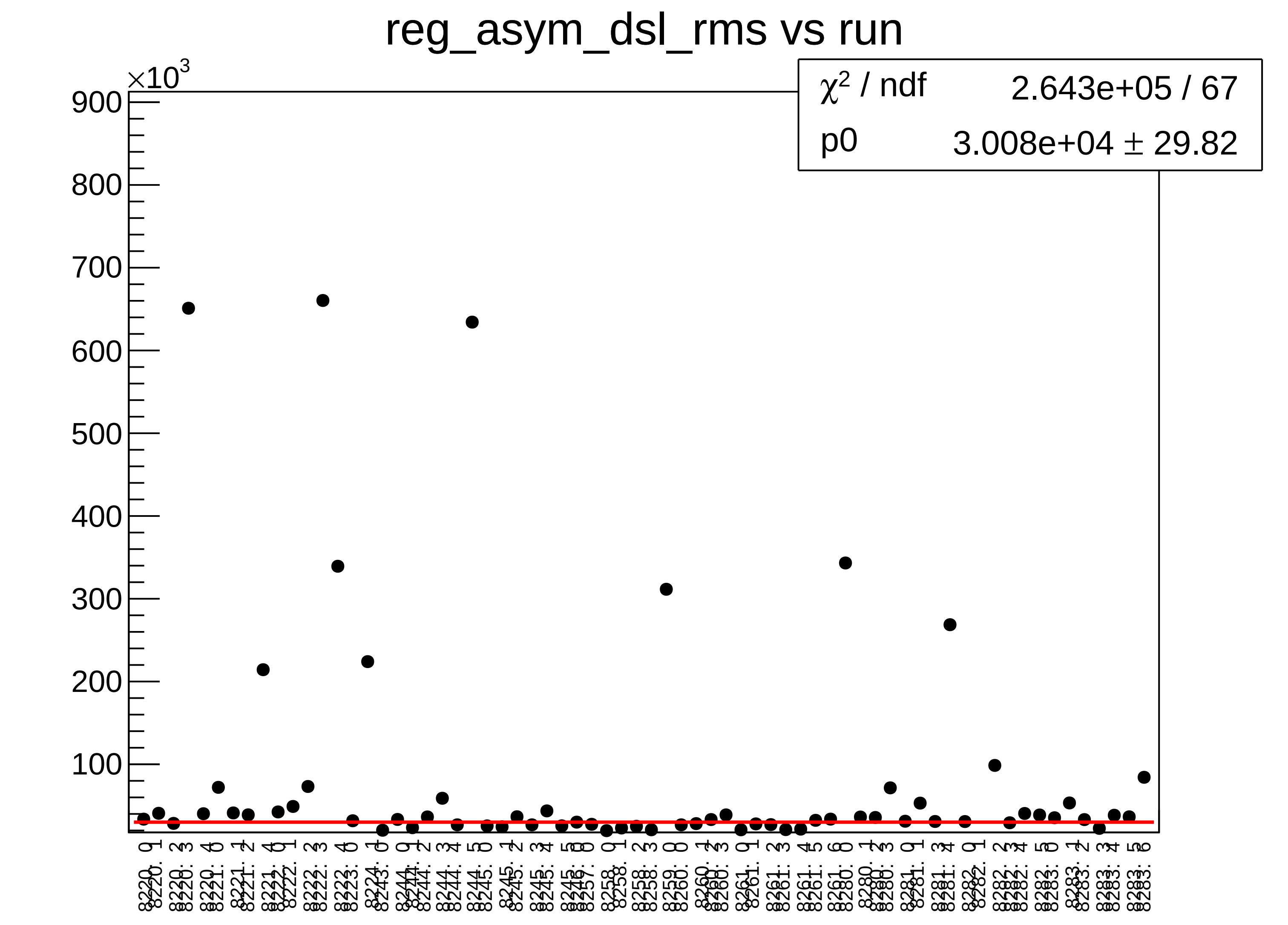

asym_usr_correction_mean vs run
χ^2 / ndf 67.38 / 77
p0 −4924 ± 3619
$\times 10^3$
pull
Entries 78
Mean −182.8
Std Dev 225.4
pull1D
Entries 78
Mean 0.01877
Std Dev 0.9292

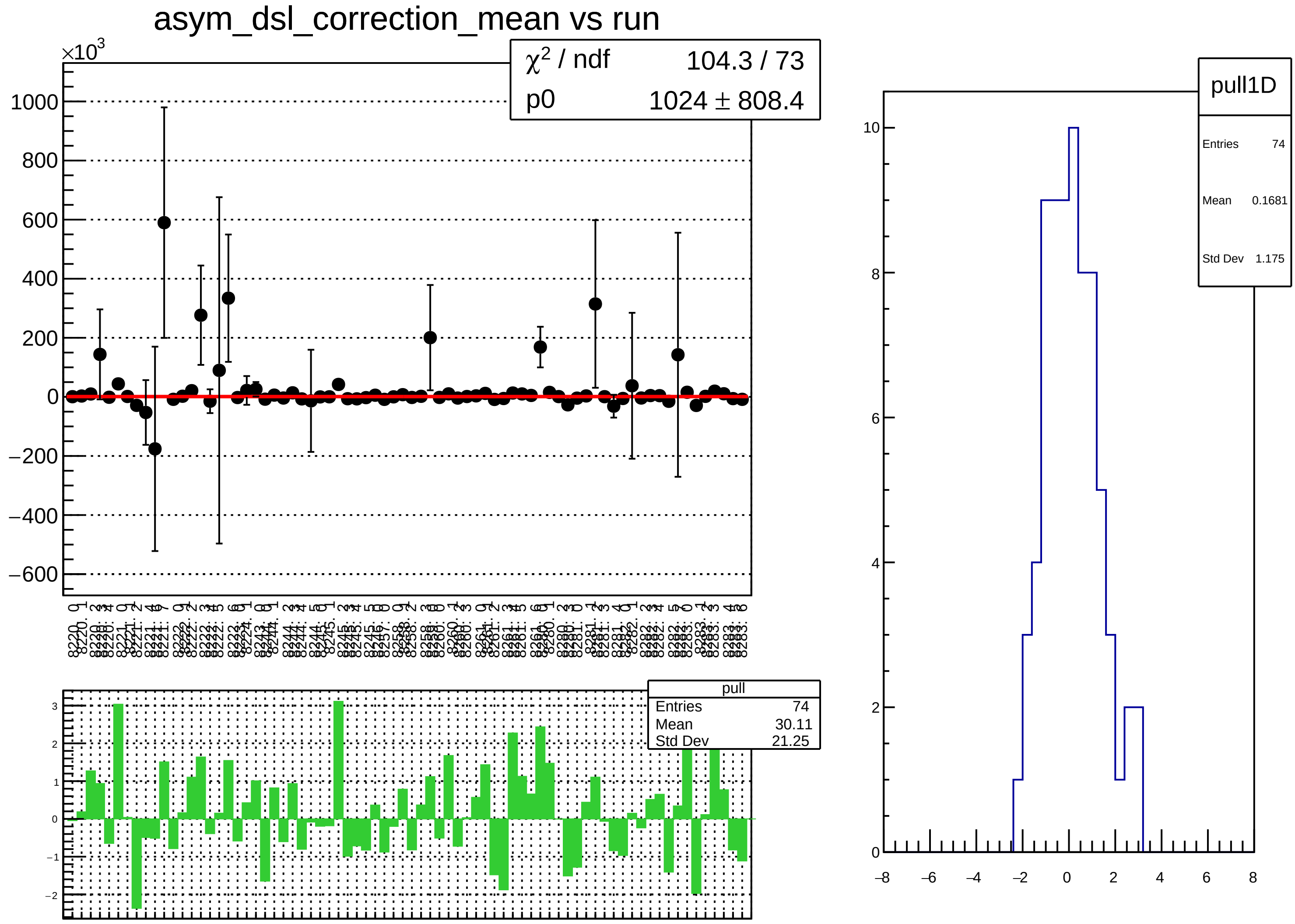

asym_usr_correction_rms vs run
χ2 / ndf 8281 / 77
p0 3110 ± 2.559
3800
3600
3400
3200
3000
2800
2600

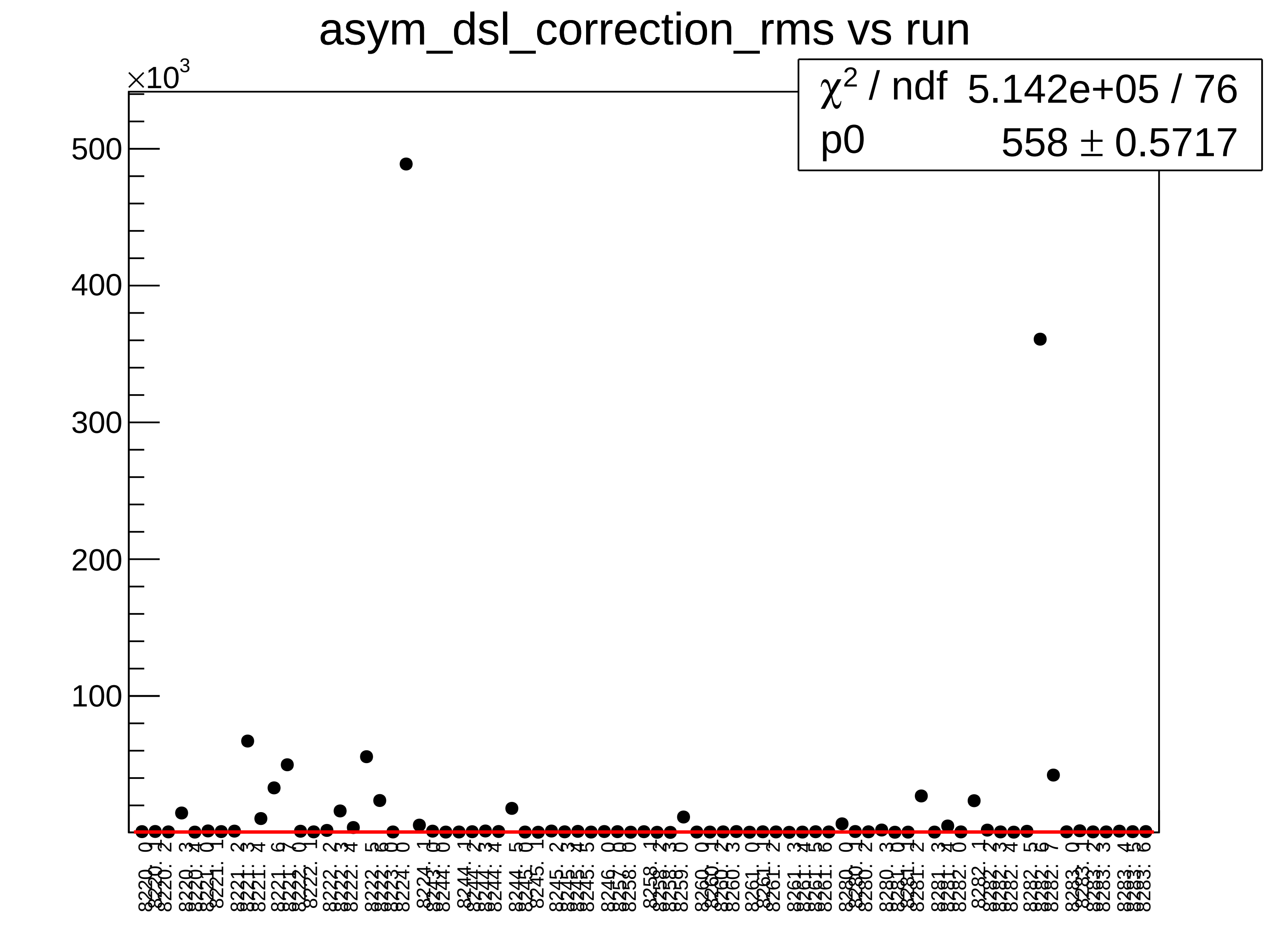

asym_usr_mean vs run
χ^2 / ndf 74.92 / 77
p0 4037 ± 3835
×10^3
pull
Entries 78
Mean −165.5
Std Dev 207.2
pull1D
Entries 78
Mean −0.02524
Std Dev 0.9797

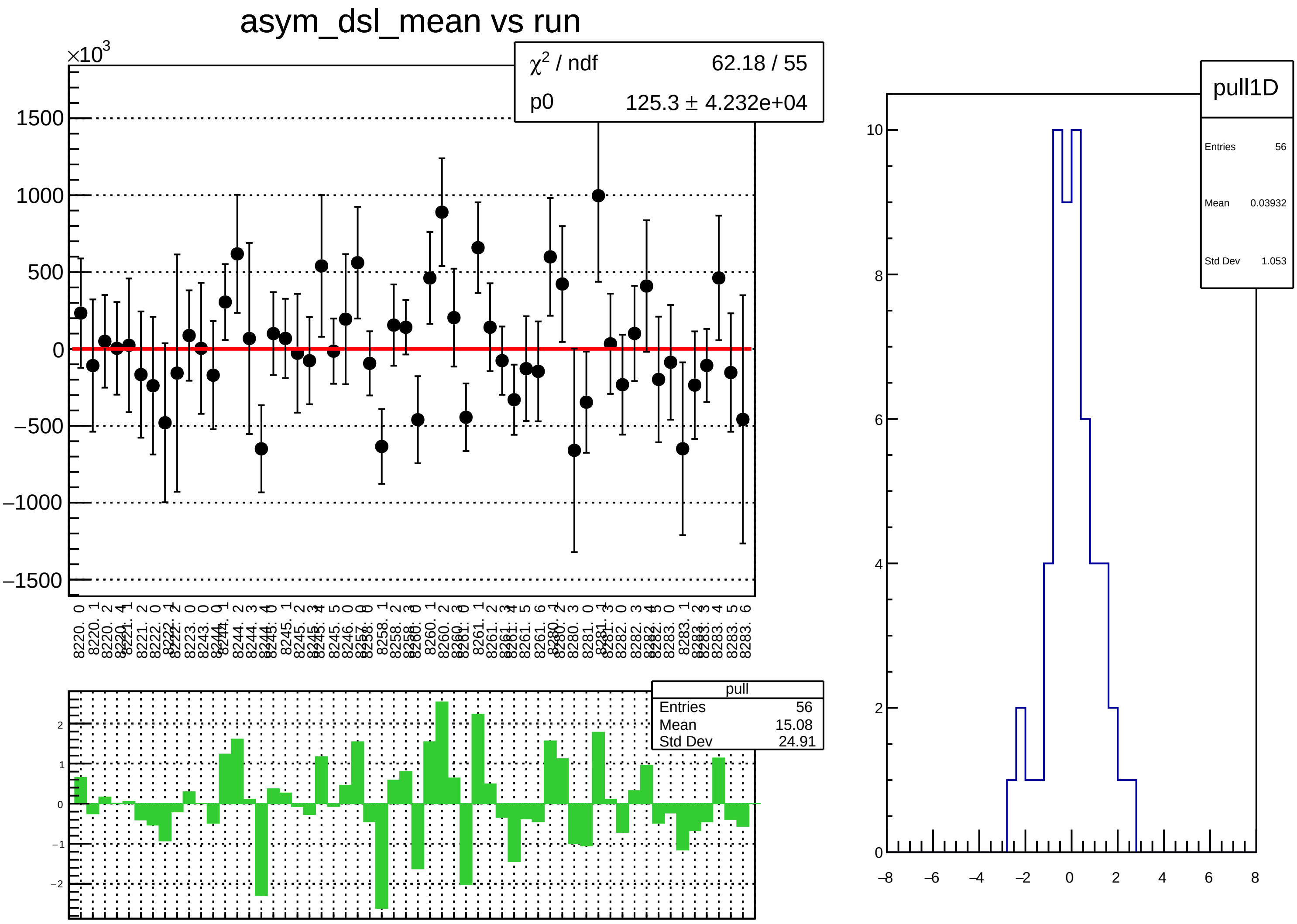

asym_usr_rms vs run
χ2 / ndf 6697 / 77
p0 3297 ± 2.712
4000
3800
3600
3400
3200
3000
2800

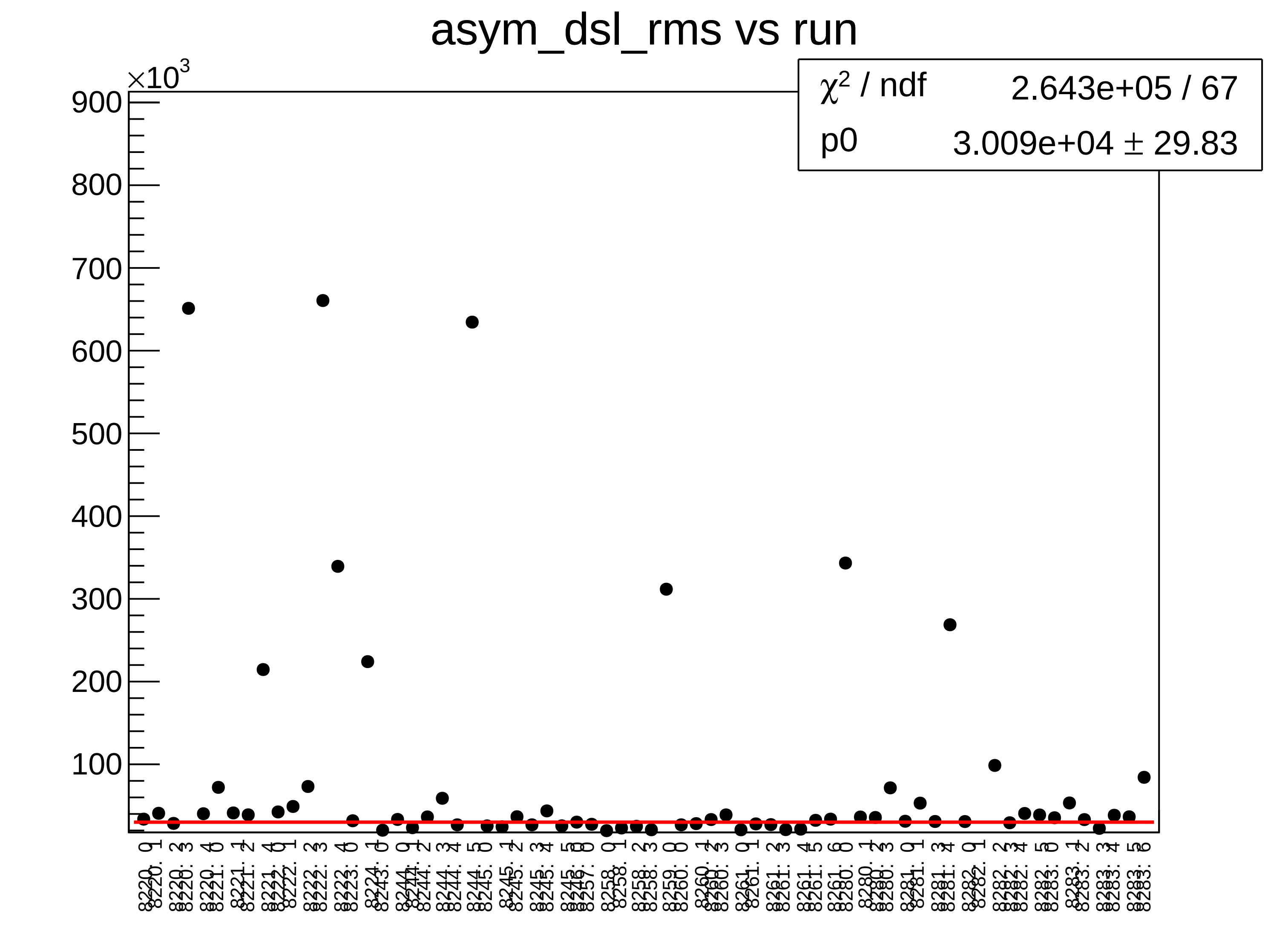

reg_asym_dsl_mean vs run
$\times 10^3$
χ^2 / ndf 59.48 / 54
p0 −3720 ± 4.243e+04
pull
Entries 55
Mean −12
Std Dev 49.49
pull1D
Entries 55
Mean 0.02433
Std Dev 1.04


reg_asym_dsl_rms vs run
×10^3
900
800
700
600
500
400
300
200
100
χ2 / ndf 2.643e+05 / 67
p0 3.008e+04 ± 29.82

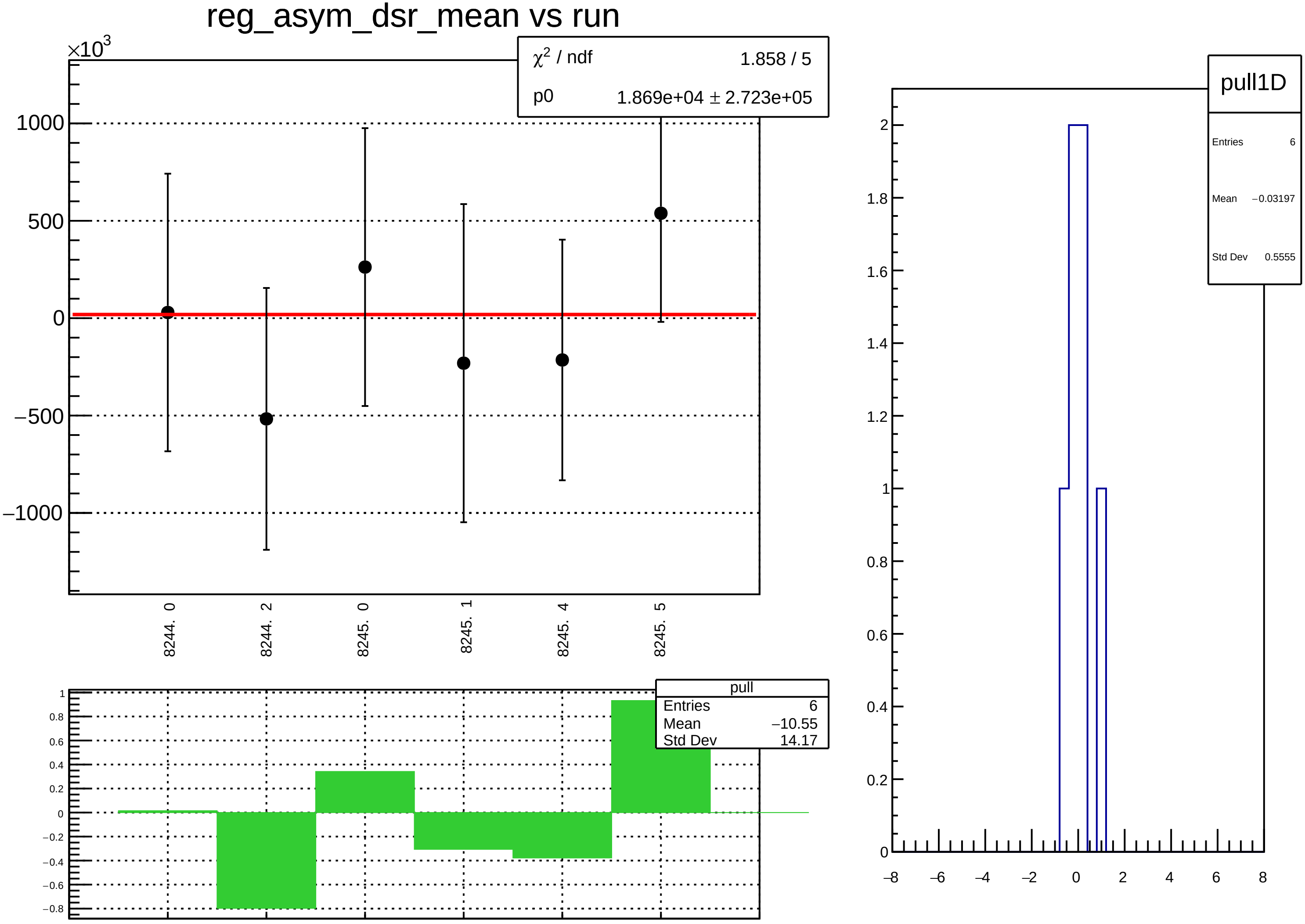

asym_dsl_correction_mean vs run
×10^3
χ^2 / ndf 104.3 / 73
p0 1024 ± 808.4
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 74
Mean 30.11
Std Dev 21.25
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.1681
Std Dev 1.175
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_dsl_correction_rms vs run
×10^3
χ2 / ndf 5.142e+05 / 76
p0 558 ± 0.5717
500
400
300
200
100

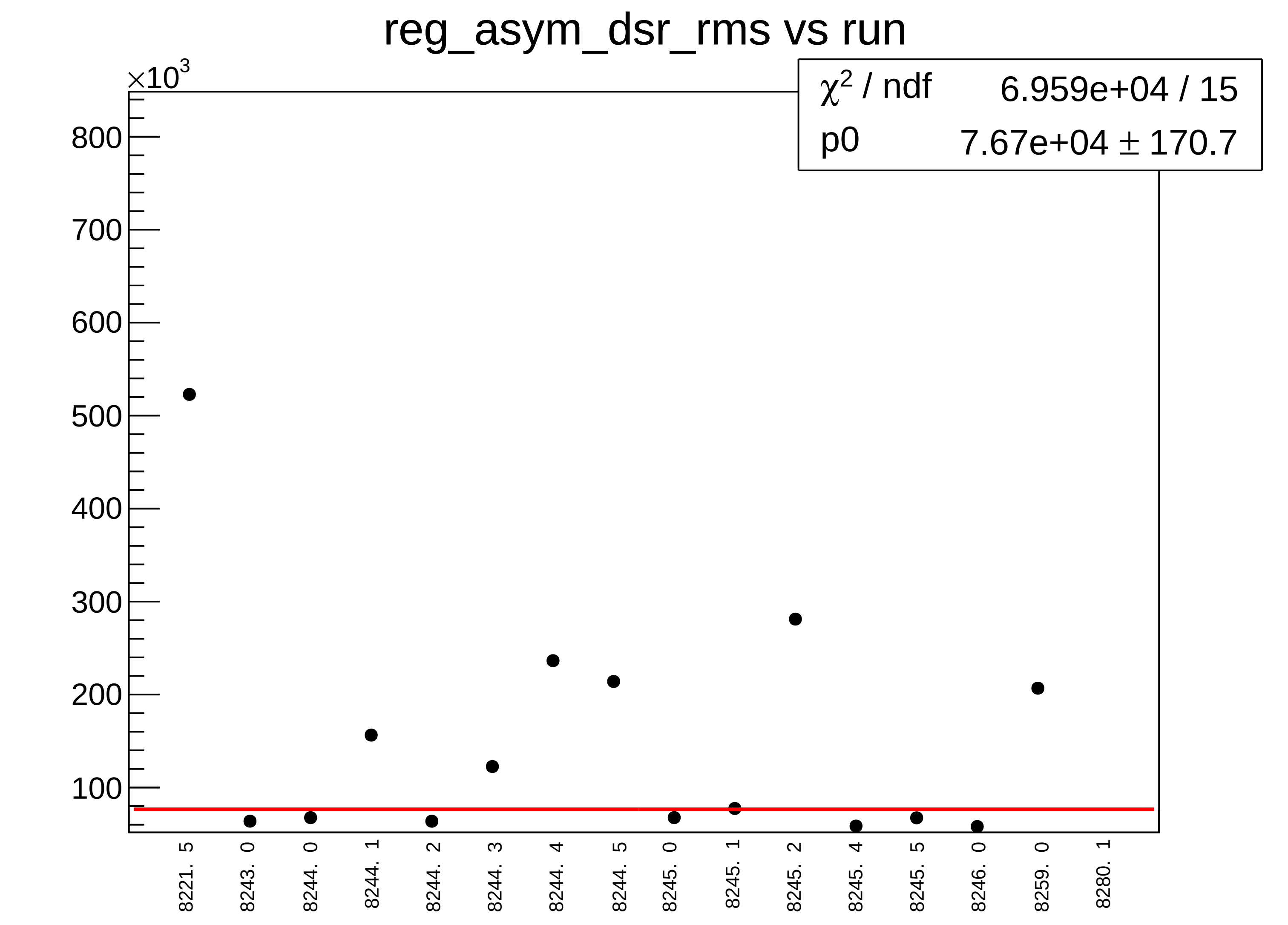

asym_dsl_mean vs run
×10^3
χ2 / ndf 62.18 / 55
p0 125.3 ± 4.232e+04
1500
1000
500
0
−500
−1000
−1500
pull
Entries 56
Mean 15.08
Std Dev 24.91
pull1D
Entries 56
Mean 0.03932
Std Dev 1.053

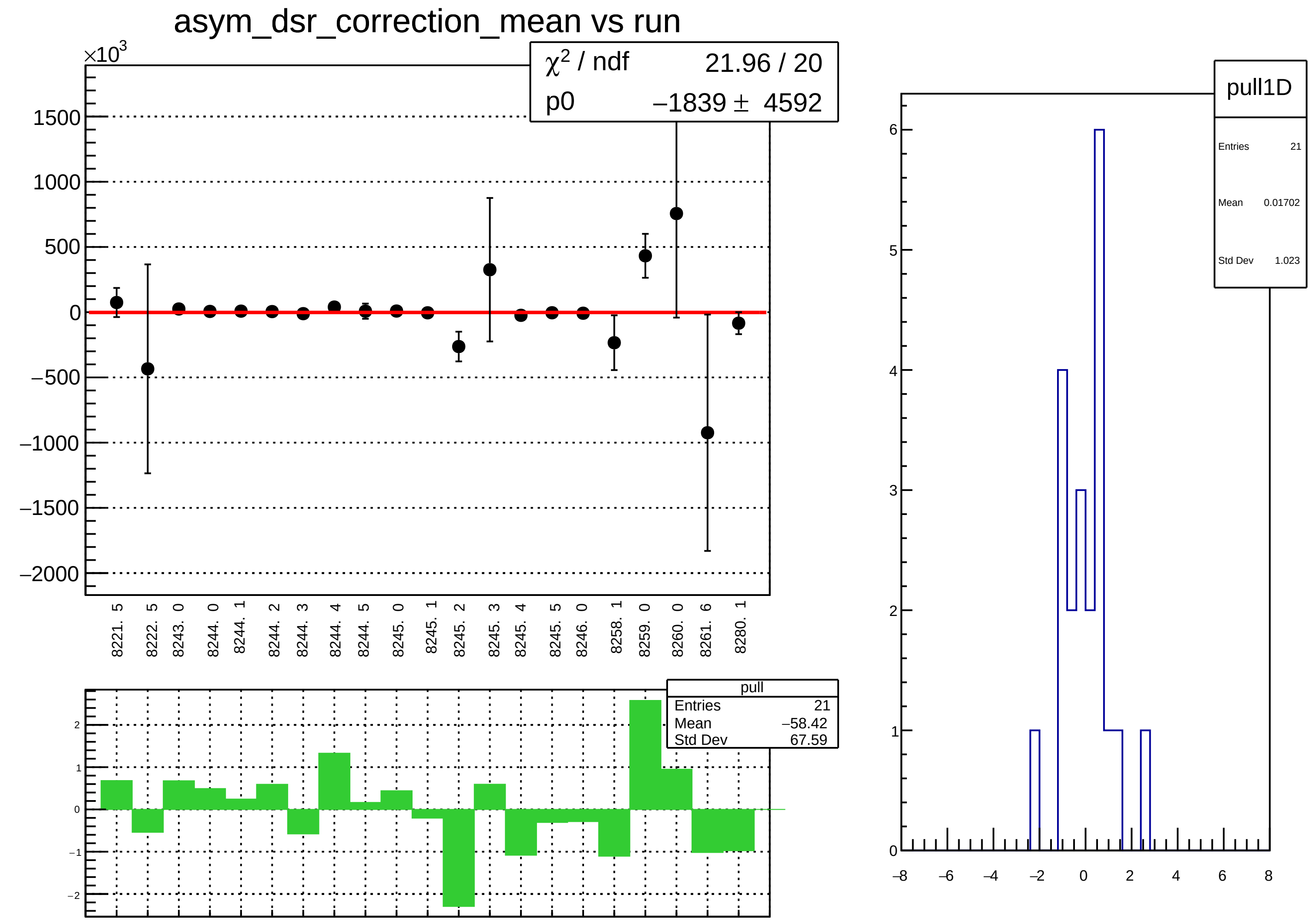


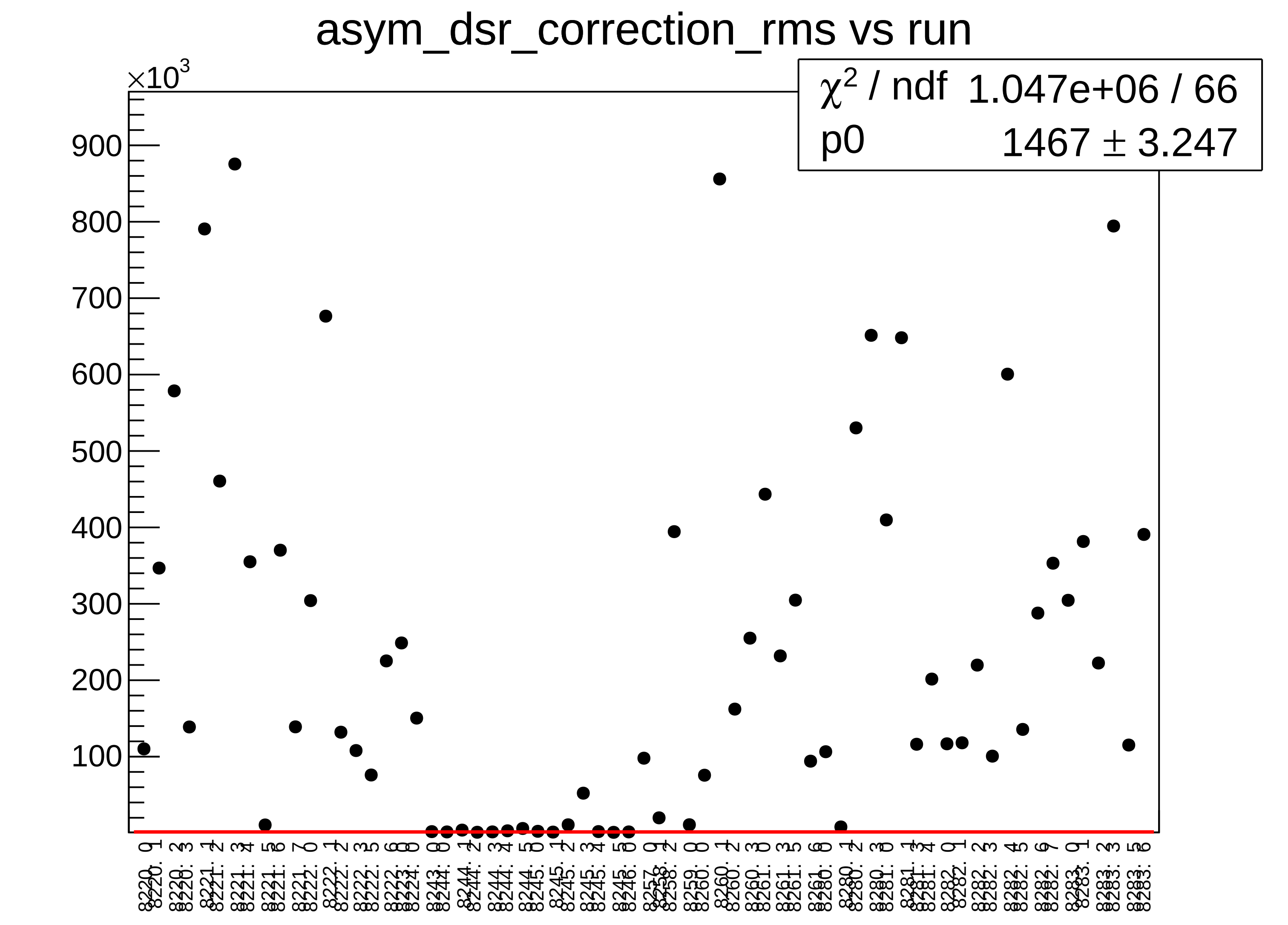
asym_dsl_rms vs run
×10^3
900
800
700
600
500
400
300
200
100
χ2 / ndf 2.643e+05 / 67
p0 3.009e+04 ± 29.83



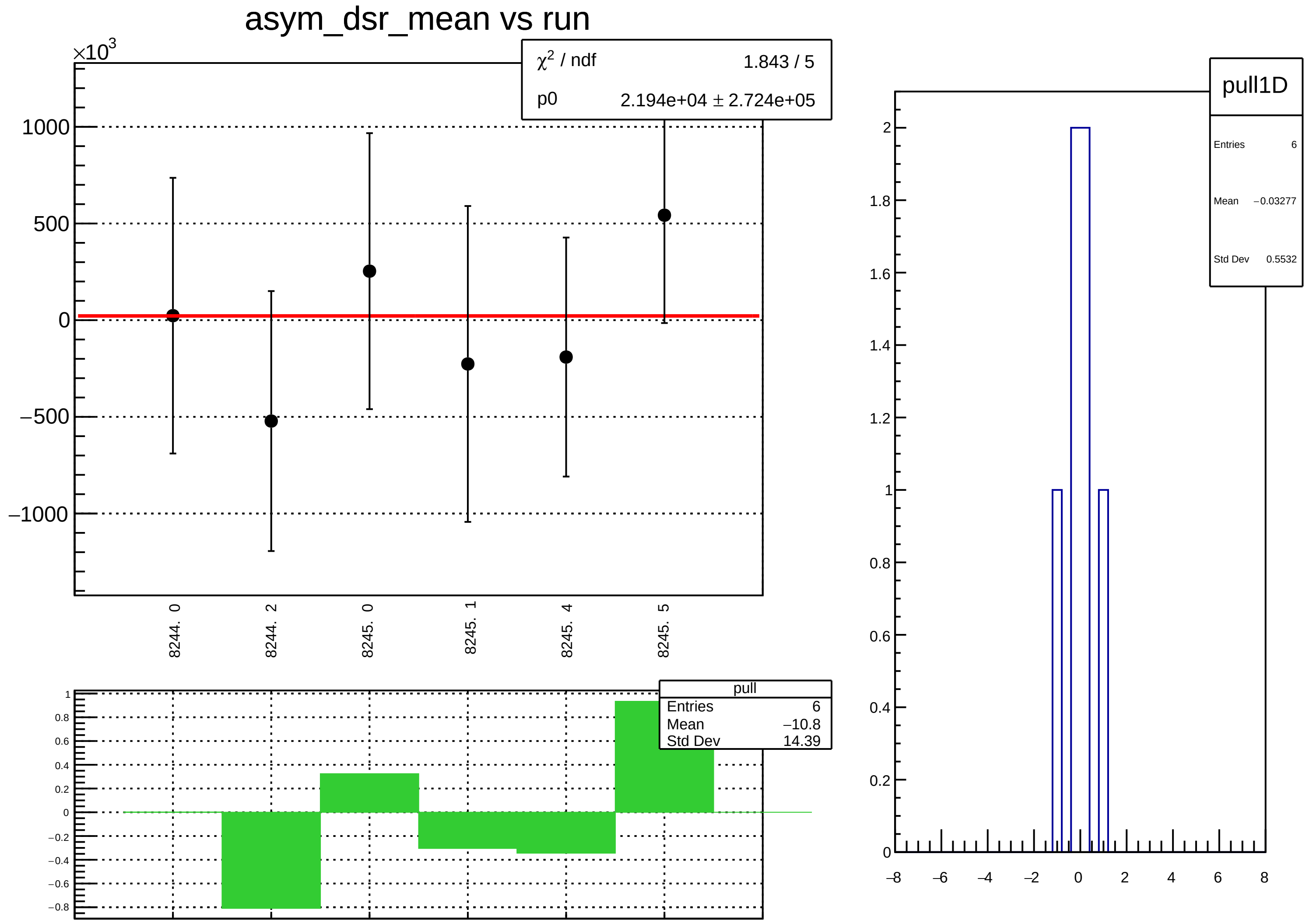
reg_asym_dsr_mean vs run
×10^3
χ2 / ndf 1.858 / 5
p0 1.869e+04 ± 2.723e+05
1000
500
0
−500
−1000
8244. 0
8244. 2
8245. 0
8245. 1
8245. 4
8245. 5
pull
Entries 6
Mean −10.55
Std Dev 14.17
pull1D
Entries 6
Mean −0.03197
Std Dev 0.5555


reg_asym_dsr_rms vs run
$\times10^{3}$
χ^2 / ndf 6.959e+04 / 15
p0 7.67e+04 ± 170.7
800
700
600
500
400
300
200
100
8221. 5
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 4
8245. 5
8246. 0
8259. 0
8280. 1

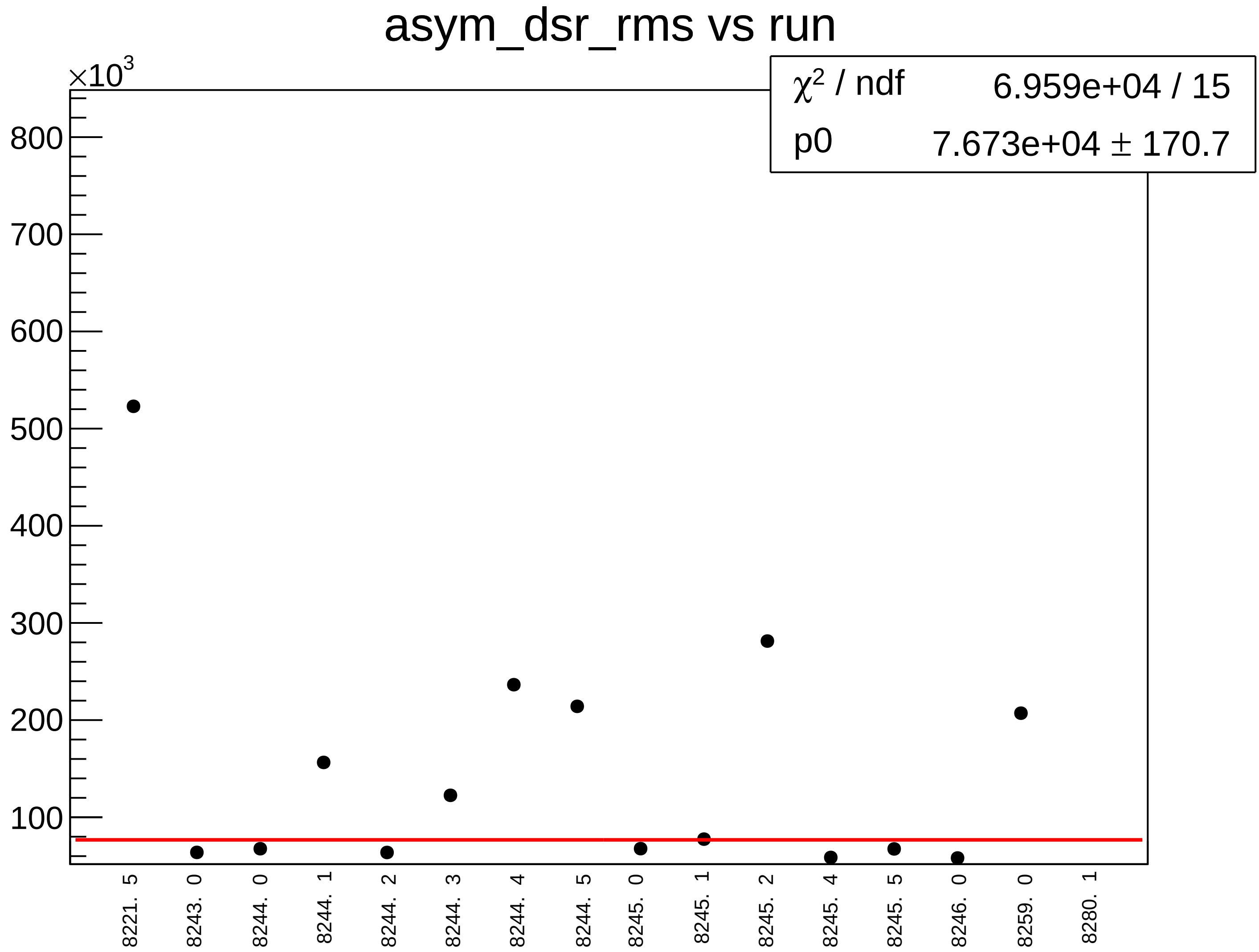

asym_dsr_correction_mean vs run
×10^3
χ2 / ndf 21.96 / 20
p0 −1839 ± 4592
1500
1000
500
0
−500
−1000
−1500
−2000
8221. 5
8222. 5
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 3
8245. 4
8245. 5
8246. 0
8258. 1
8259. 0
8260. 0
8261. 6
8280. 1
pull
Entries 21
Mean −58.42
Std Dev 67.59
2
1
0
−1
−2
pull1D
Entries 21
Mean 0.01702
Std Dev 1.023
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8



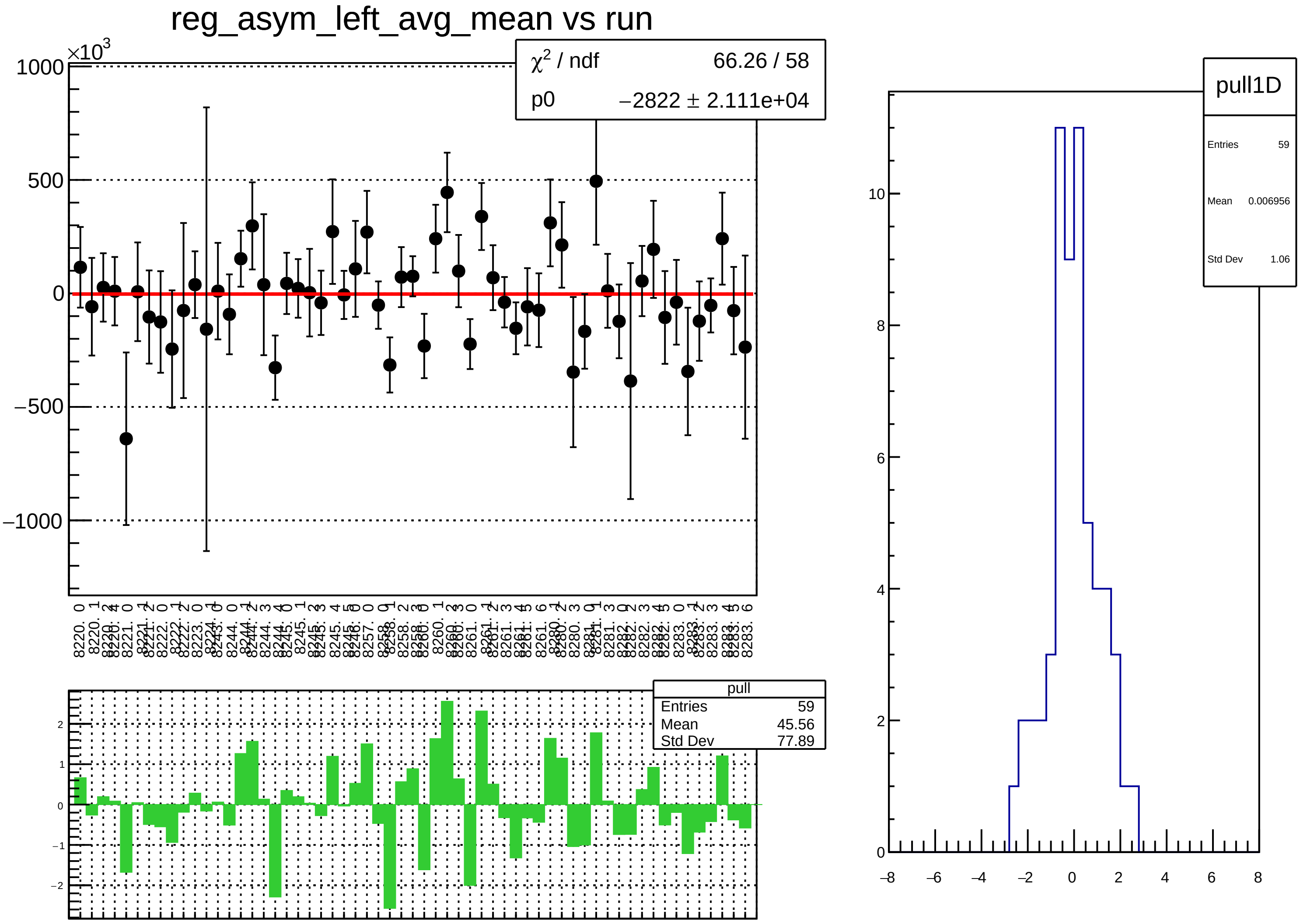
asym_dsr_correction_rms vs run
×10^3
χ2 / ndf 1.047e+06 / 66
p0 1467 ± 3.247
900
800
700
600
500
400
300
200
100

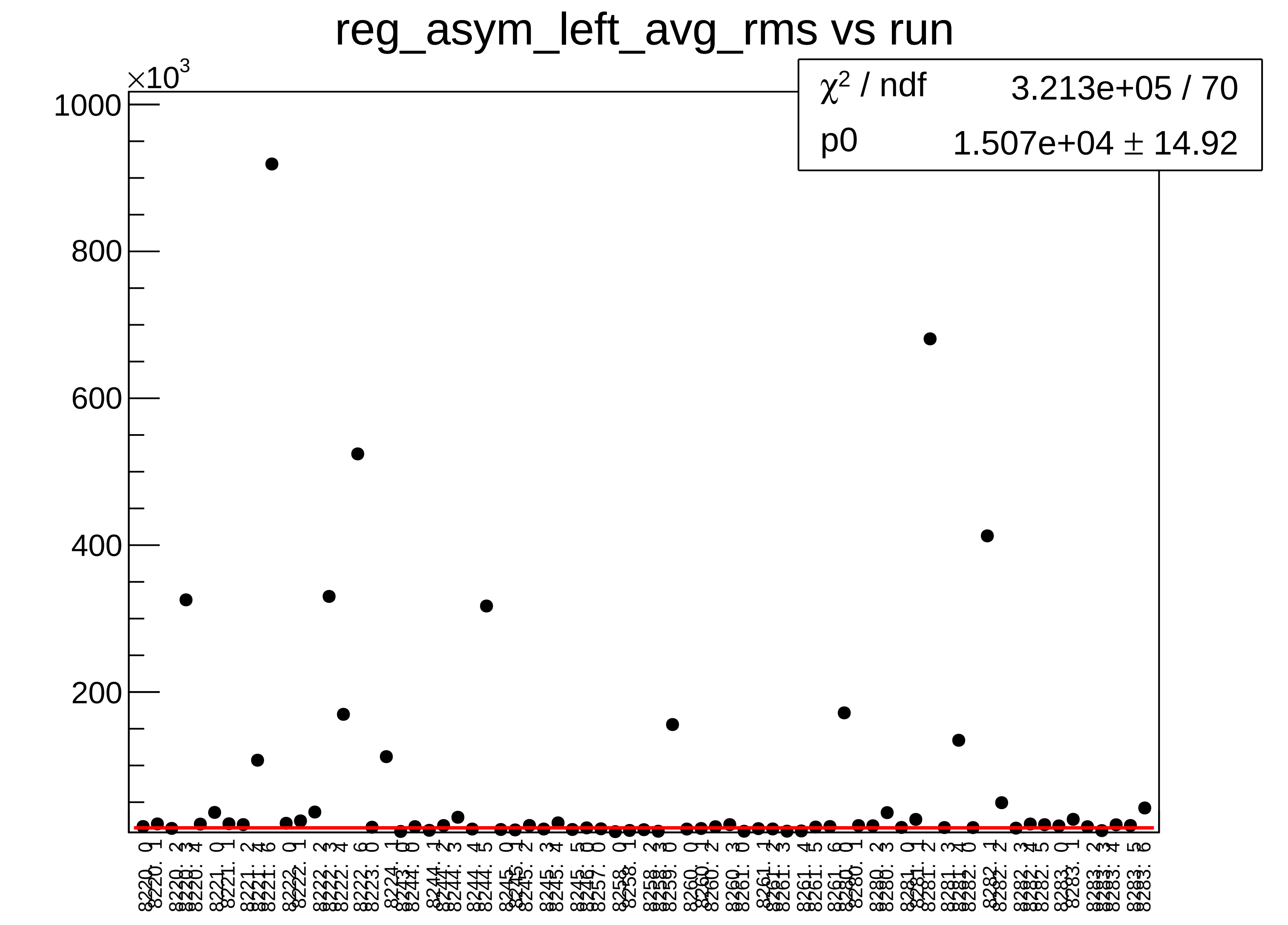


asym_dsr_mean vs run
$\times10^3$
χ^2 / ndf 1.843 / 5
p0 2.194e+04 ± 2.724e+05
1000
500
0
−500
−1000
8244. 0
8244. 2
8245. 0
8245. 1
8245. 4
8245. 5
pull
Entries 6
Mean −10.8
Std Dev 14.39
pull1D
Entries 6
Mean −0.03277
Std Dev 0.5532

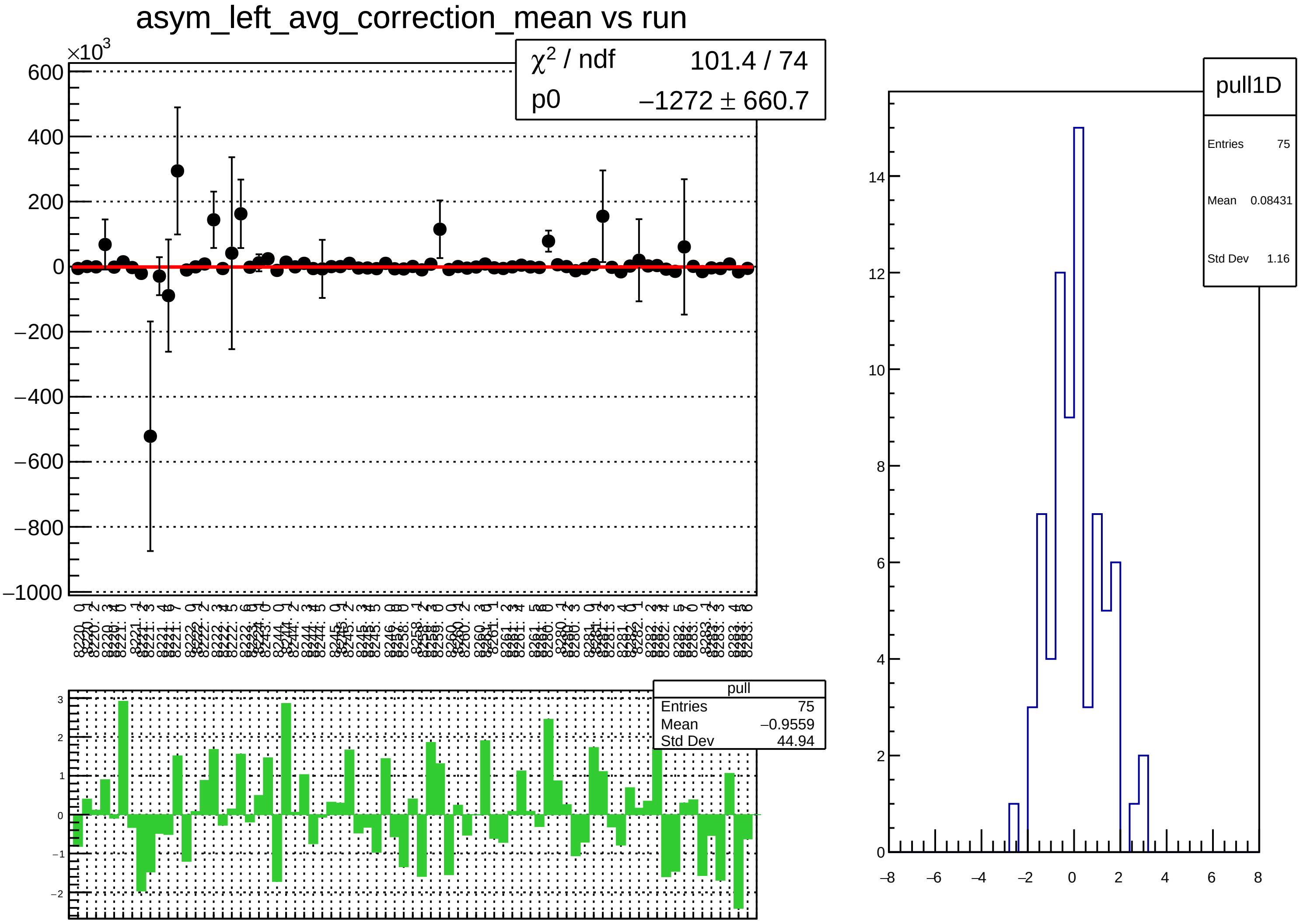


asym_dsr_rms vs run
×10^3
χ2 / ndf 6.959e+04 / 15
p0 7.673e+04 ± 170.7
800
700
600
500
400
300
200
100
8221. 5
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 4
8245. 5
8246. 0
8259. 0
8280. 1

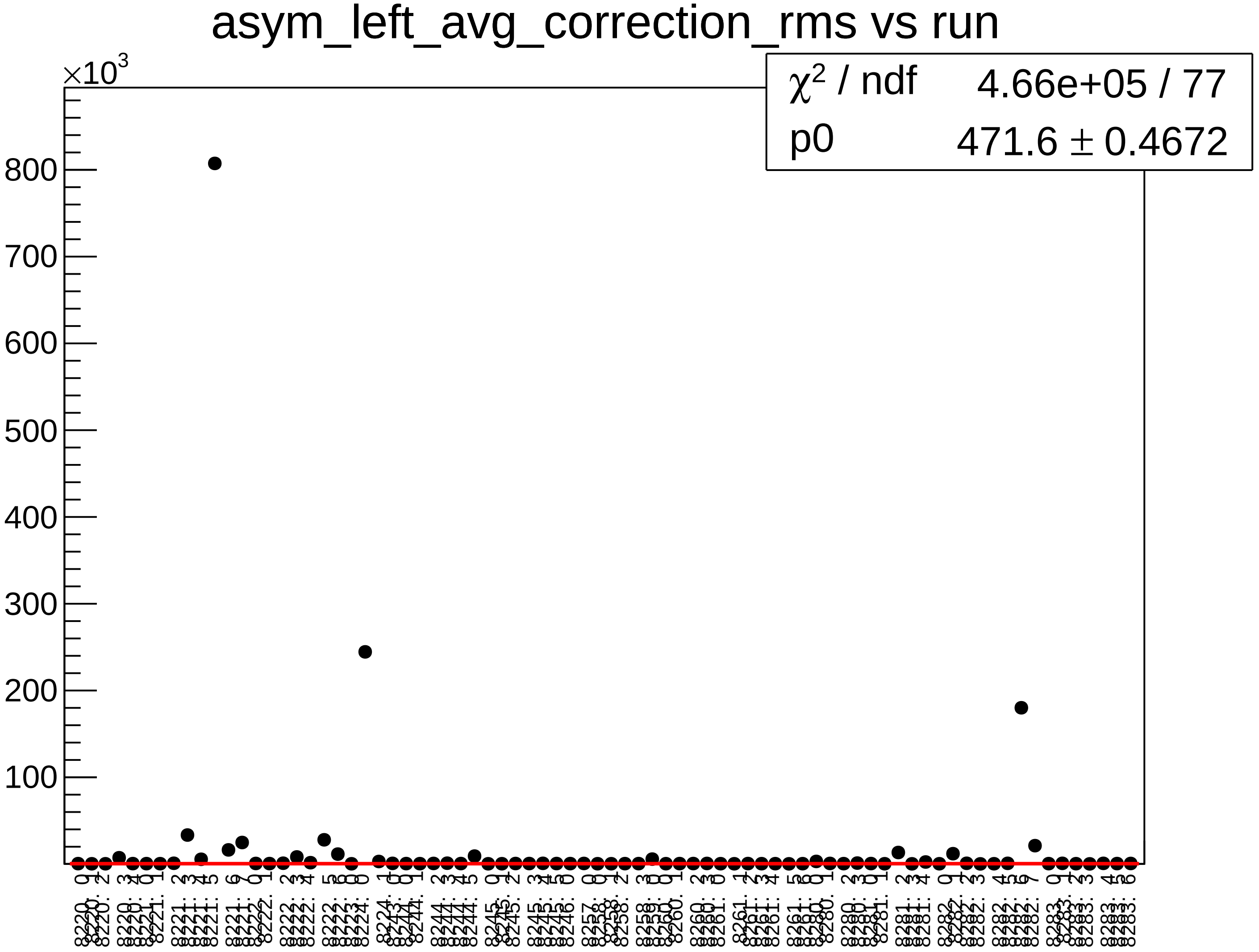

reg_asym_left_avg_mean vs run
×10^3
χ^2 / ndf 66.26 / 58
p0 −2822 ± 2.111e+04
1000
500
0
−500
−1000
pull
Entries 59
Mean 45.56
Std Dev 77.89
pull1D
Entries 59
Mean 0.006956
Std Dev 1.06



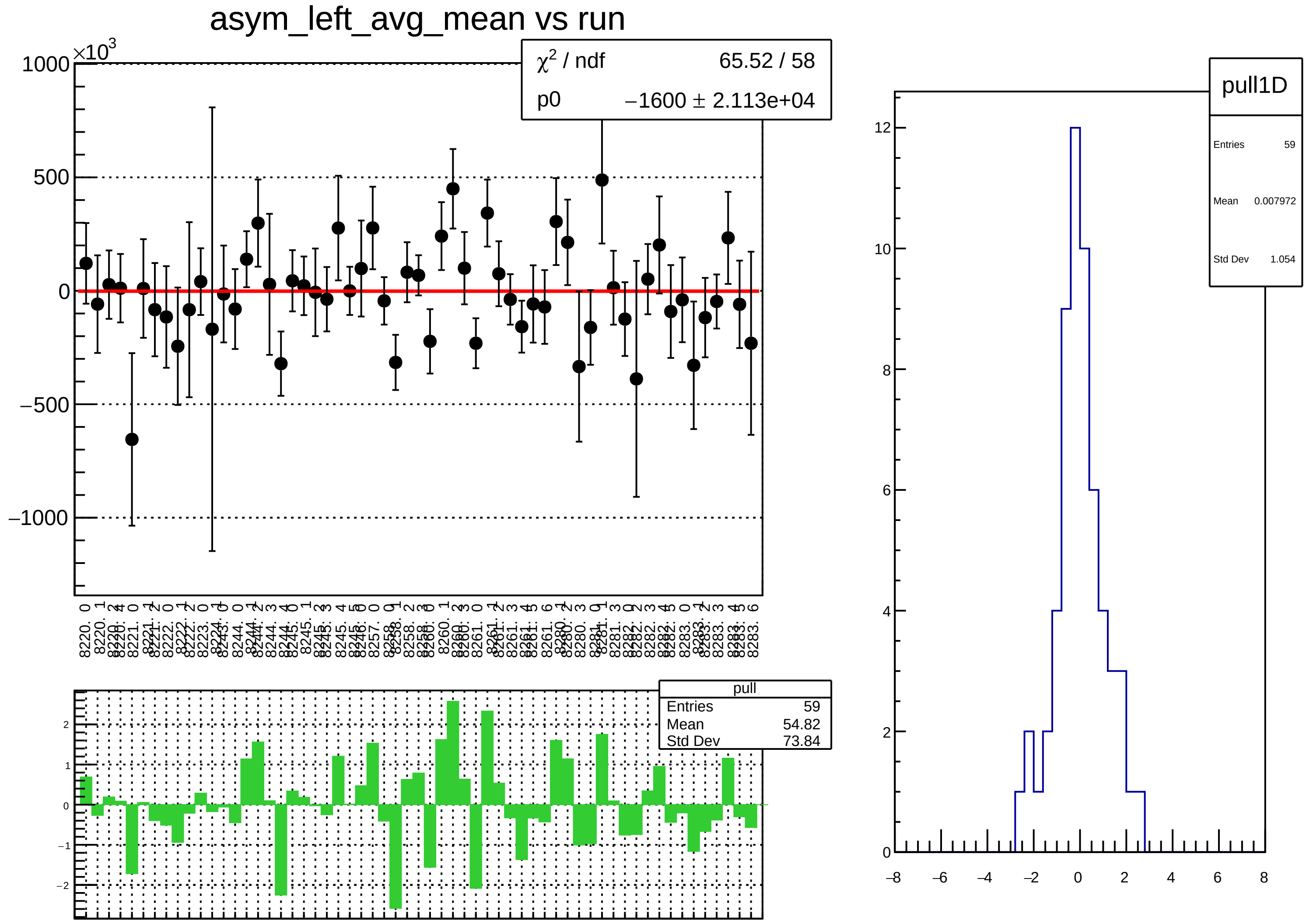
reg_asym_left_avg_rms vs run
×10^3
1000
800
600
400
200
χ2 / ndf 3.213e+05 / 70
p0 1.507e+04 ± 14.92



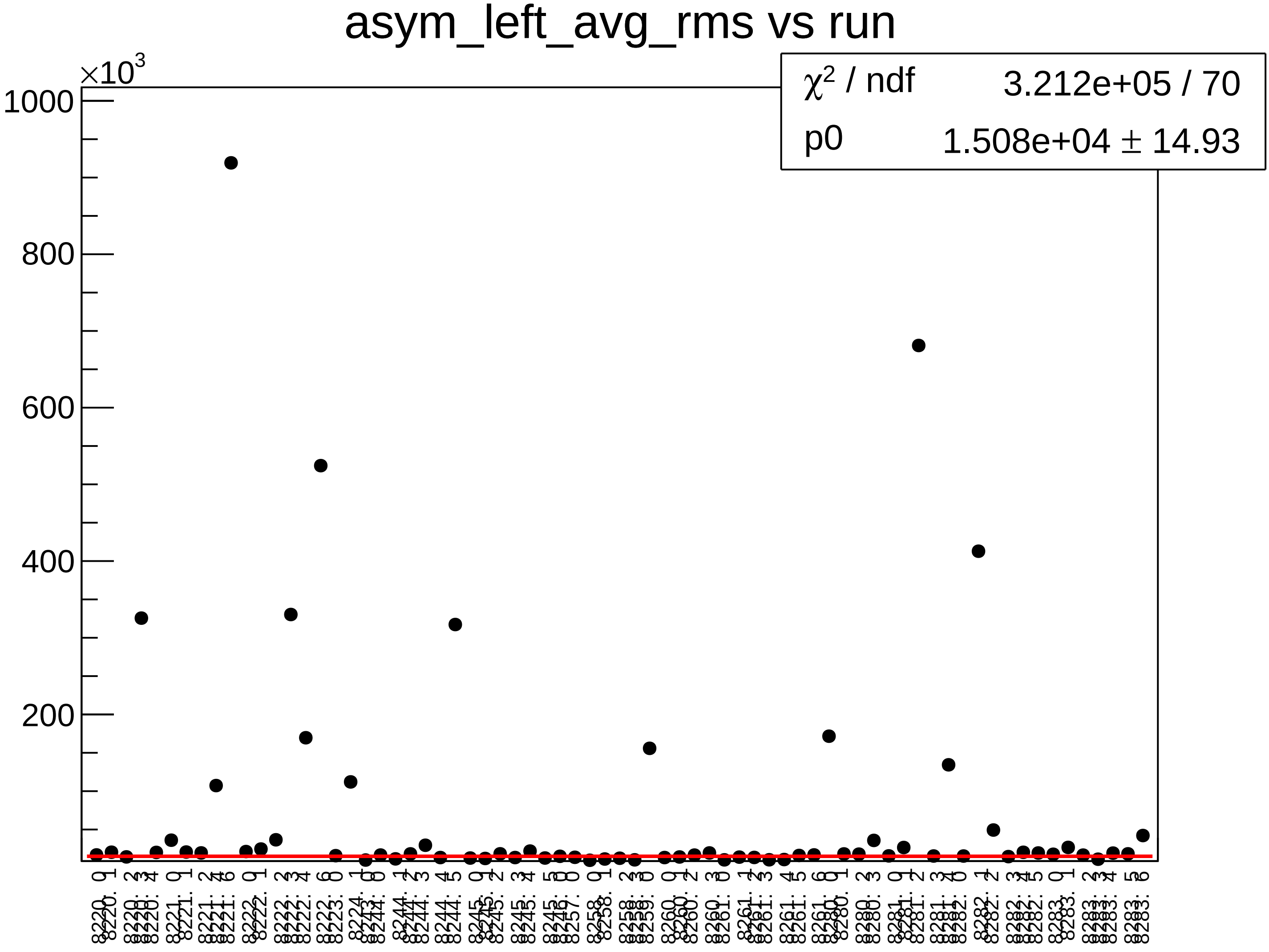
asym_left_avg_correction_mean vs run
χ^2 / ndf 101.4 / 74
p0 −1272 ± 660.7
×10^3
pull
Entries 75
Mean −0.9559
Std Dev 44.94
pull1D
Entries 75
Mean 0.08431
Std Dev 1.16



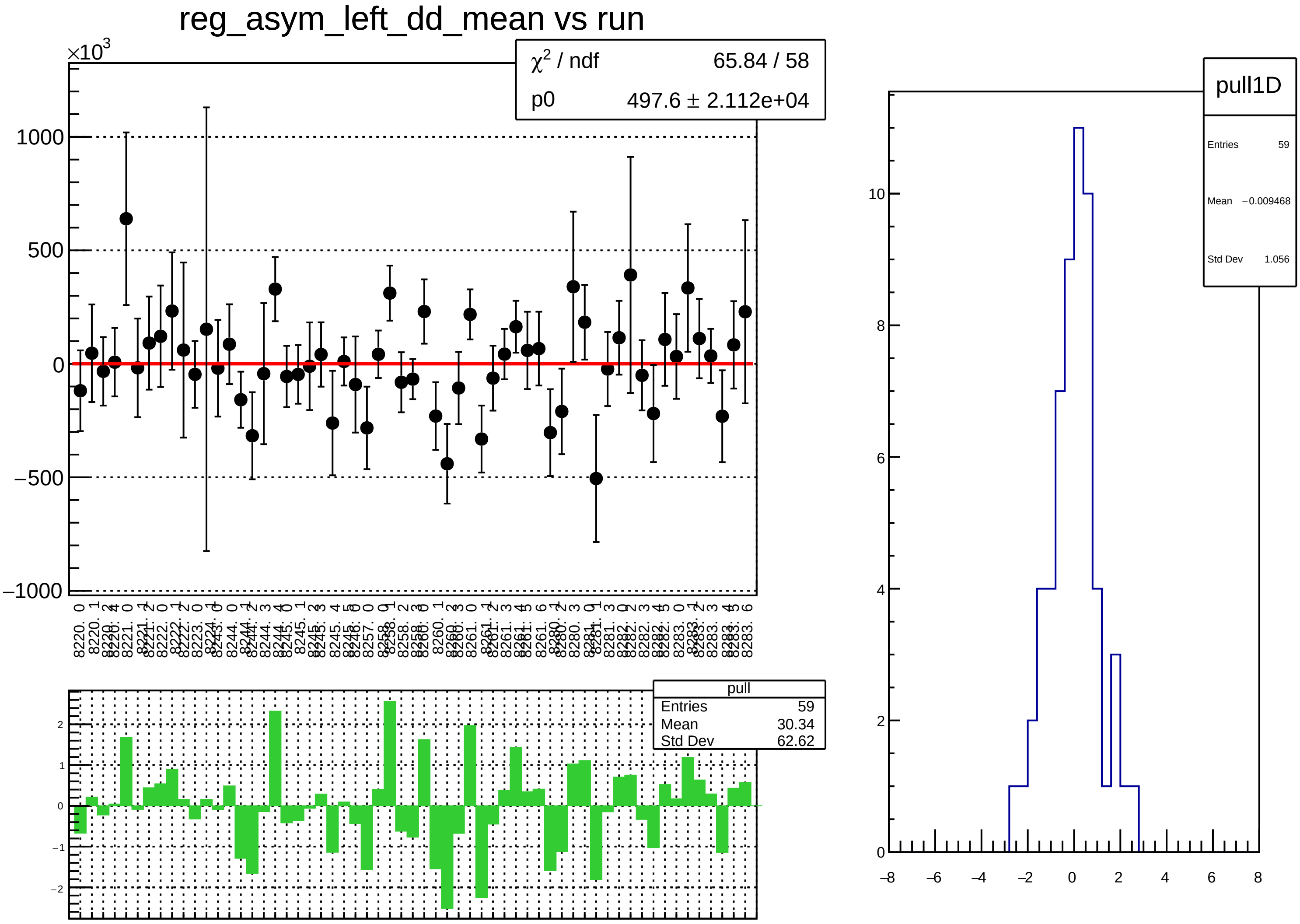
asym_left_avg_correction_rms vs run
×10^3
χ2 / ndf 4.66e+05 / 77
p0 471.6 ± 0.4672
800
700
600
500
400
300
200
100



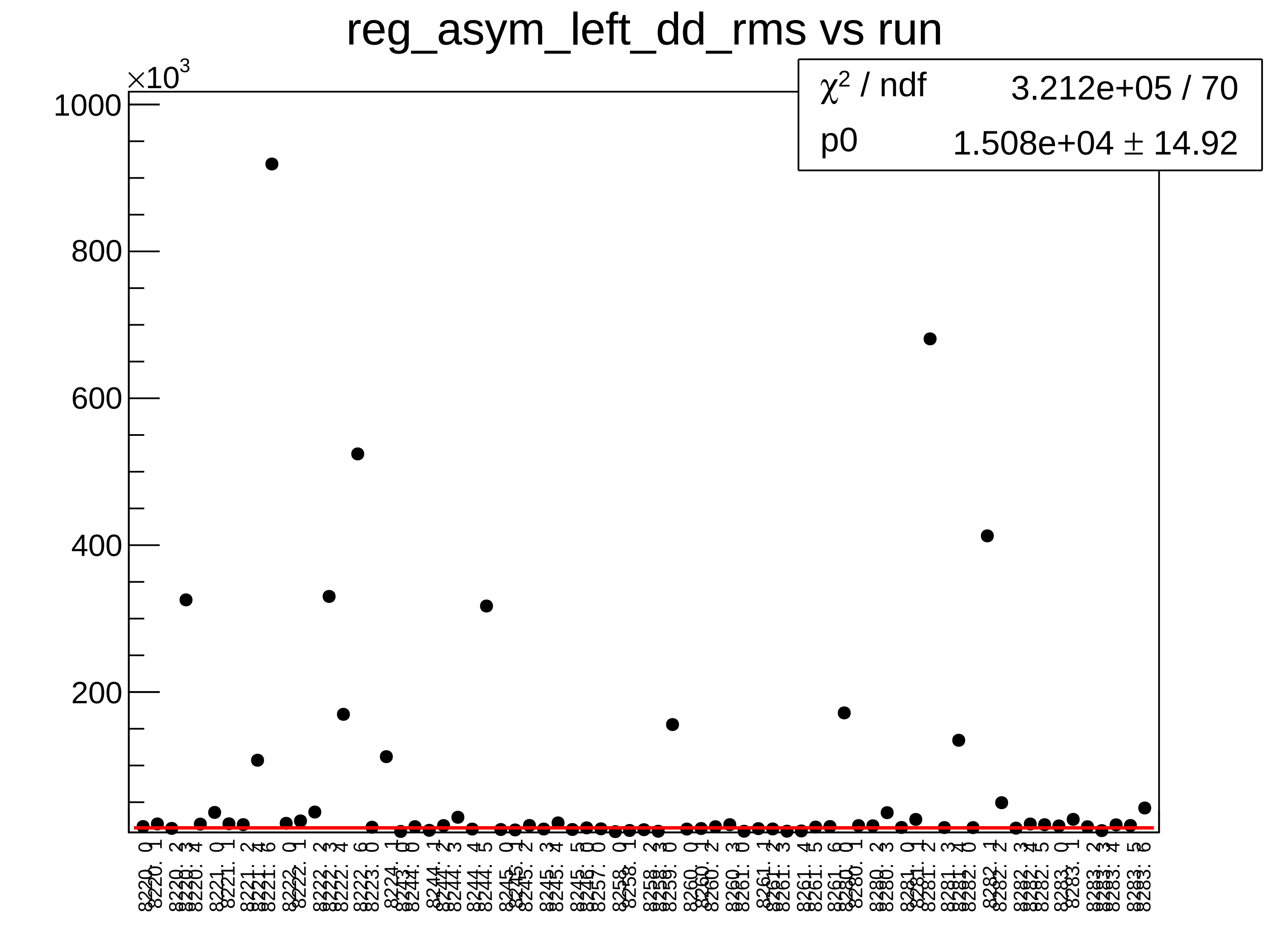
asym_left_avg_mean vs run
χ2 / ndf 65.52 / 58
p0 −1600 ± 2.113e+04
pull
Entries 59
Mean 54.82
Std Dev 73.84
pull1D
Entries 59
Mean 0.007972
Std Dev 1.054



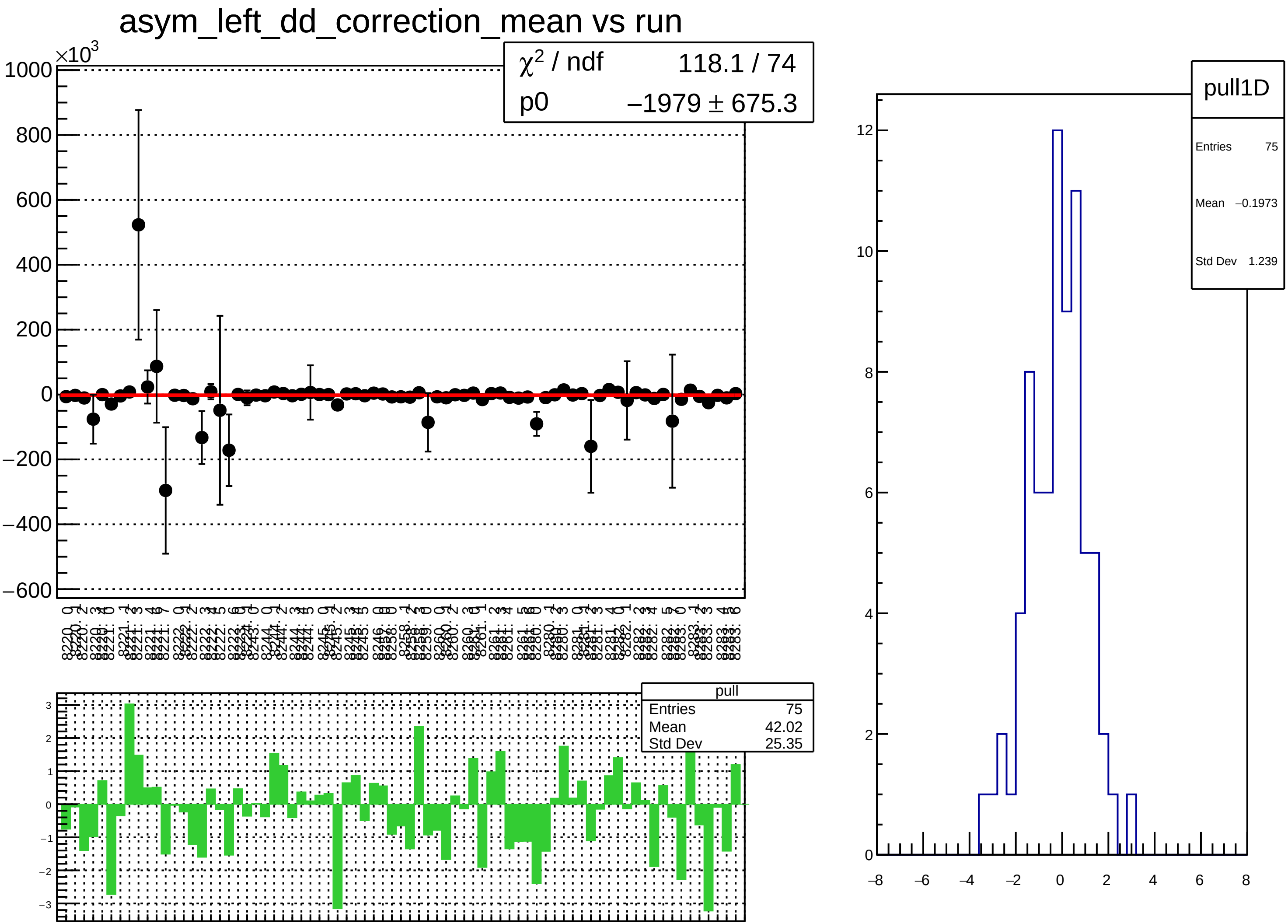
asym_left_avg_rms vs run
χ^2 / ndf 3.212e+05 / 70
p0 1.508e+04 ± 14.93
$\times 10^3$
1000
800
600
400
200

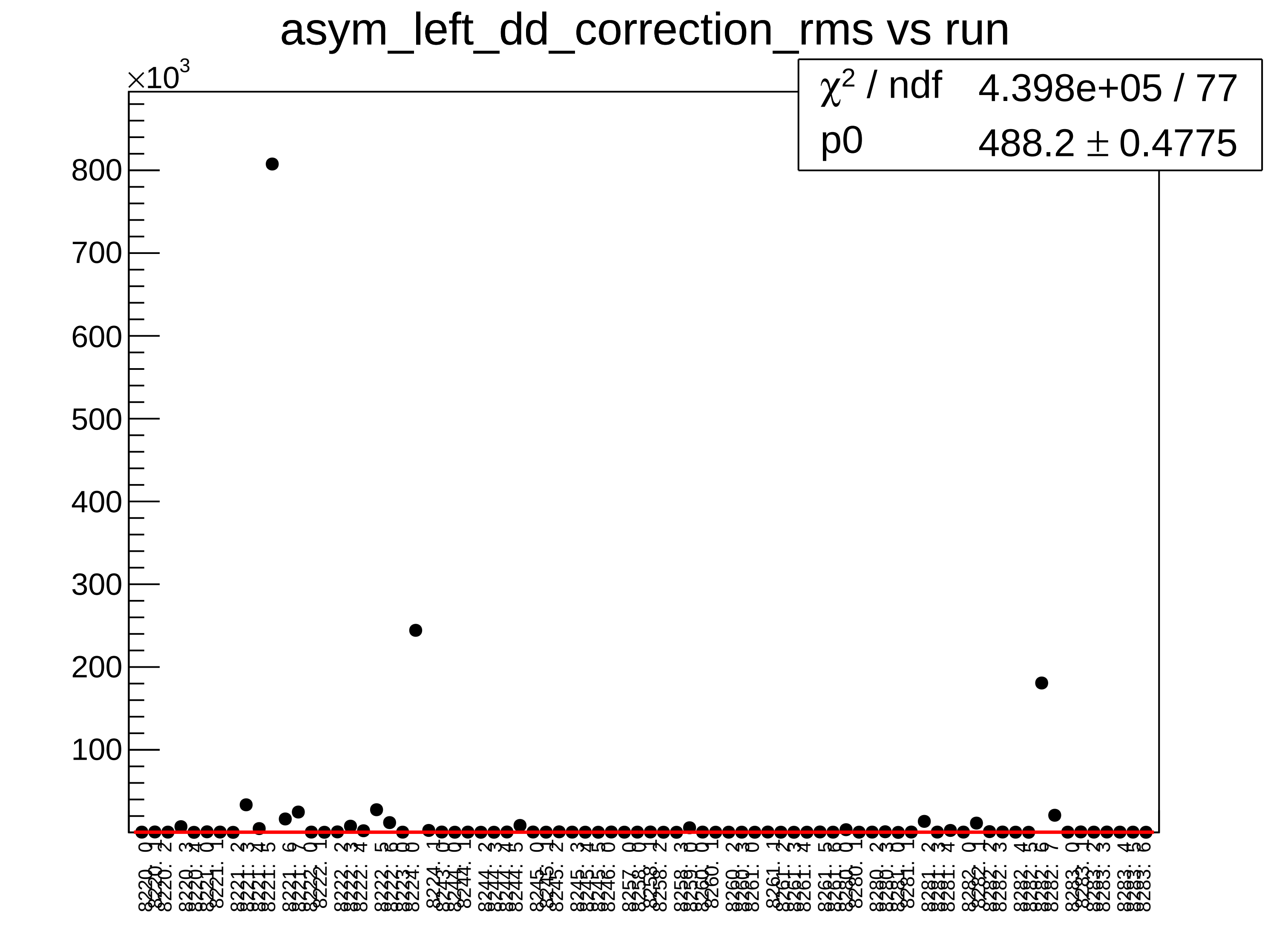


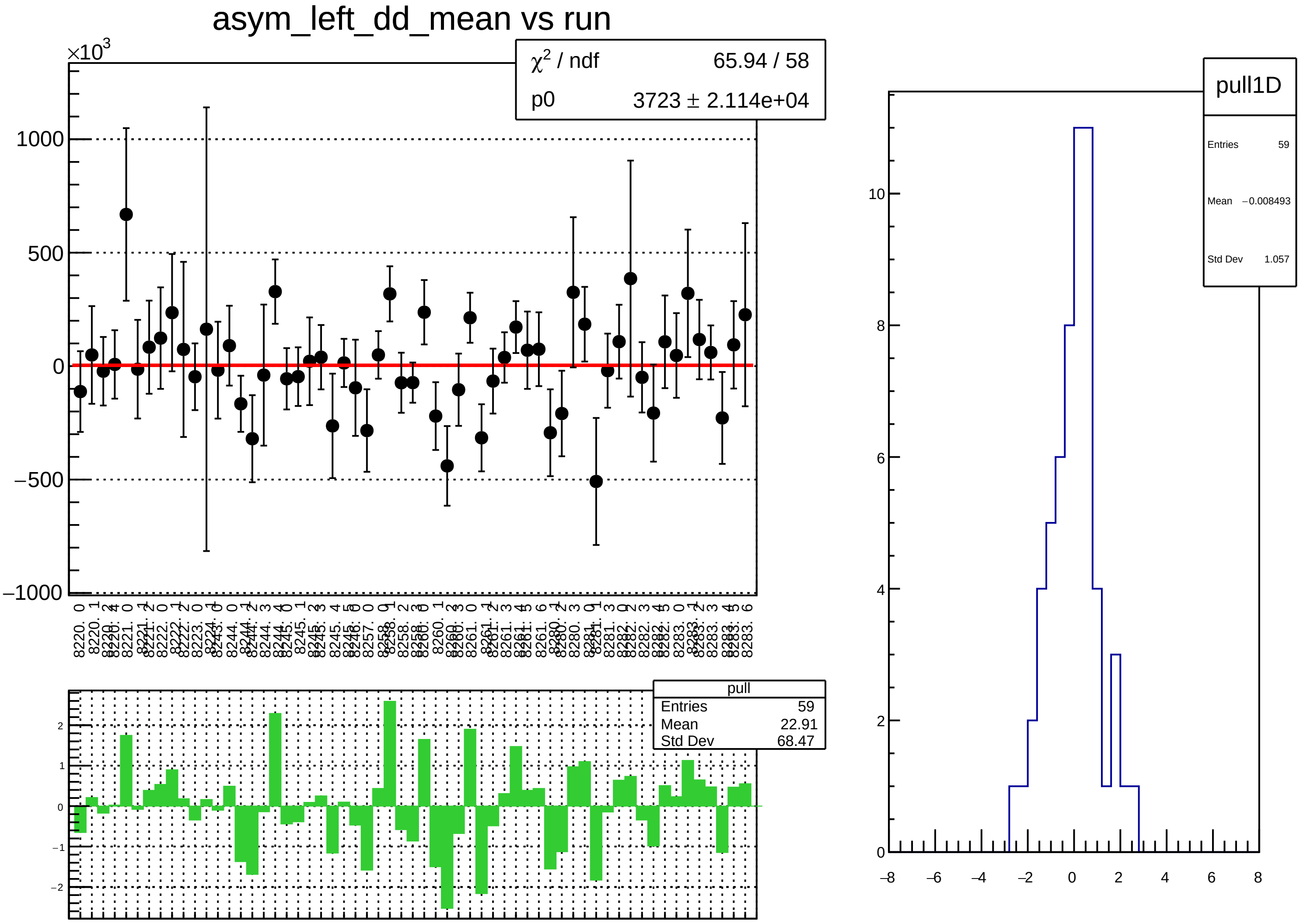
reg_asym_left_dd_mean vs run
×10^3
χ2 / ndf 65.84 / 58
p0 497.6 ± 2.112e+04
pull
Entries 59
Mean 30.34
Std Dev 62.62
pull1D
Entries 59
Mean −0.009468
Std Dev 1.056

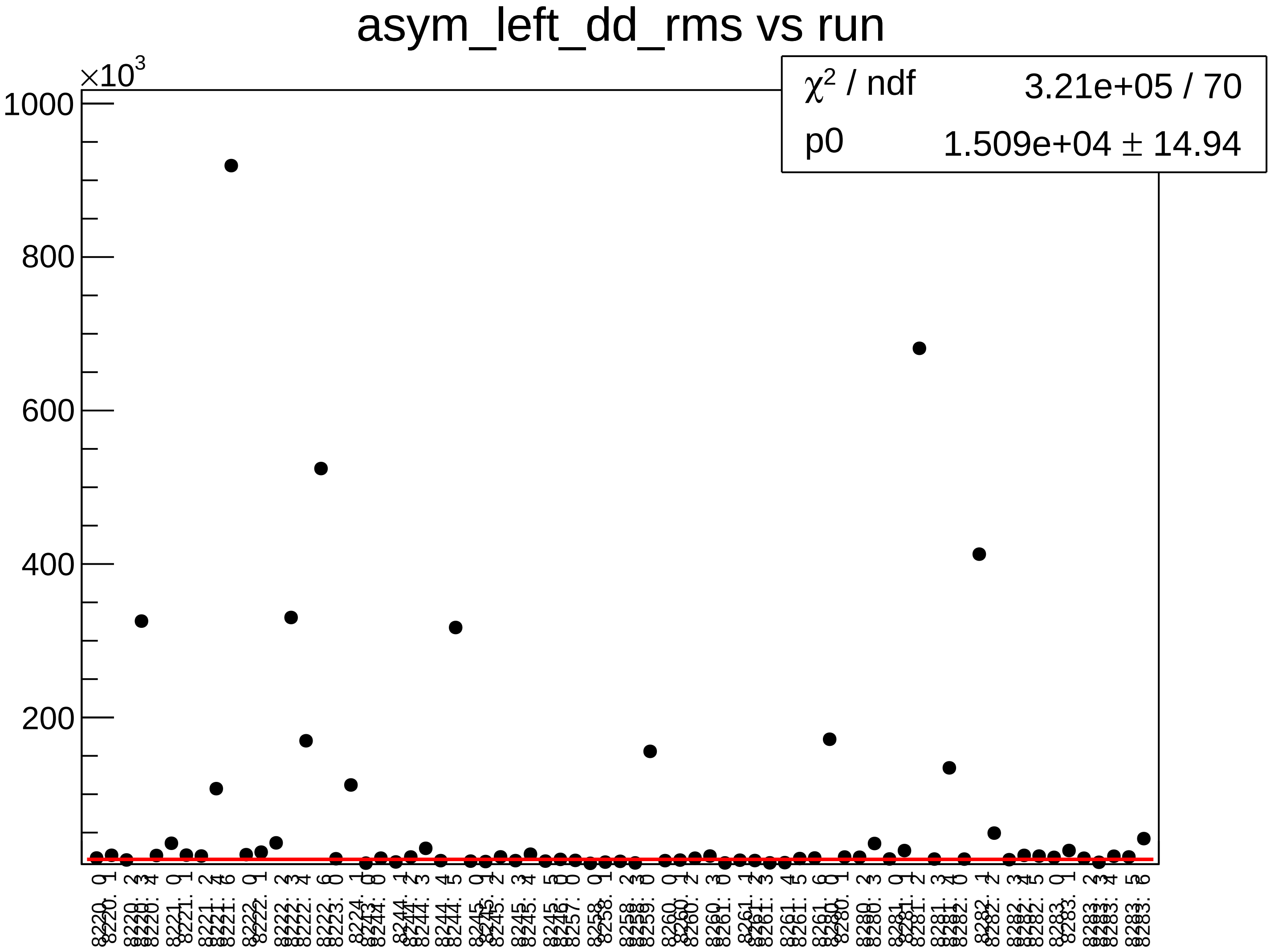


reg_asym_left_dd_rms vs run
$\times 10^3$
χ^2 / ndf 3.212e+05 / 70
p0 1.508e+04 ± 14.92
1000
800
600
400
200

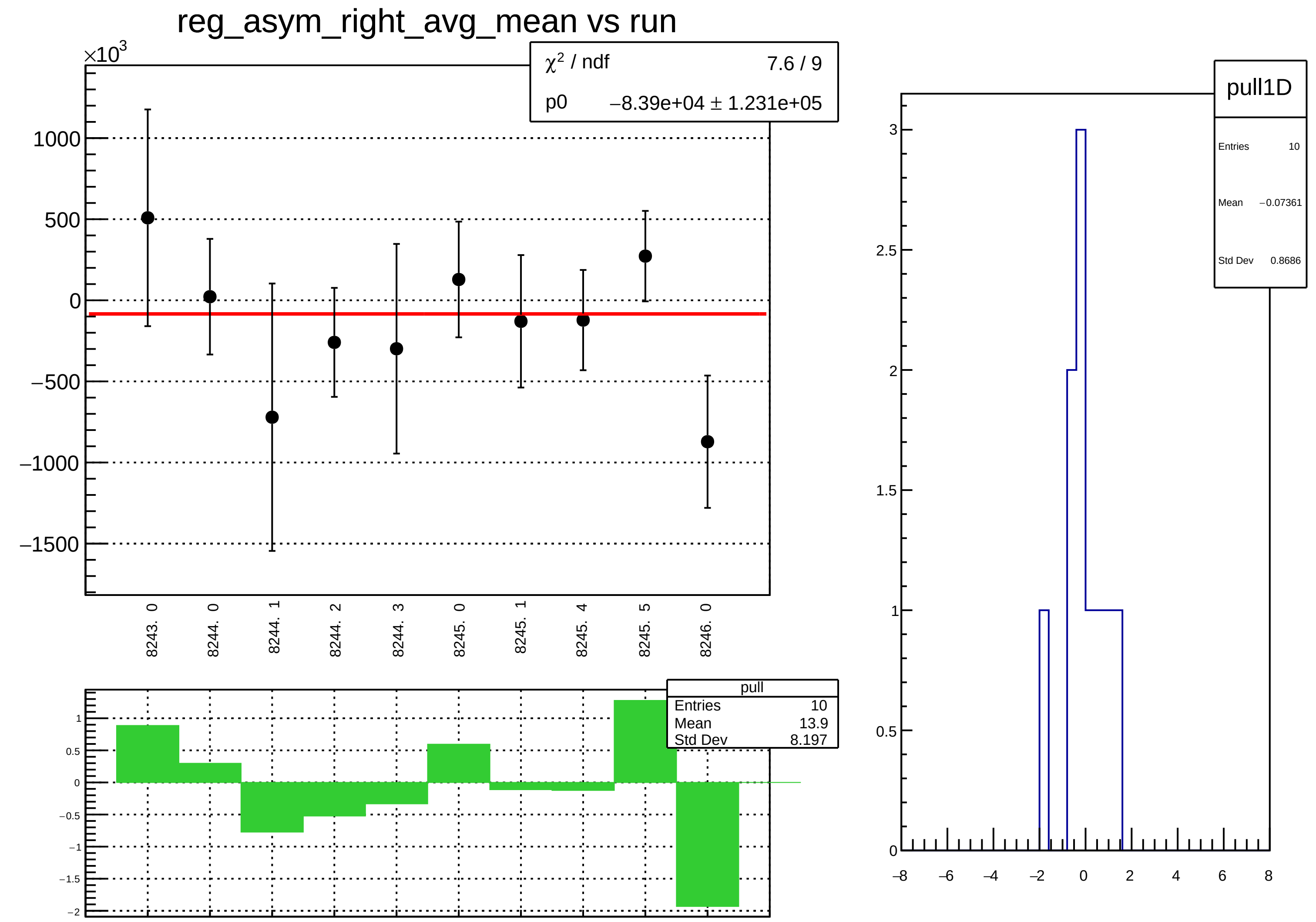

asym_left_dd_correction_mean vs run
×10^3
χ^2 / ndf 118.1 / 74
p0 −1979 ± 675.3
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 75
Mean 42.02
Std Dev 25.35
3
2
1
0
−1
−2
−3
pull1D
Entries 75
Mean −0.1973
Std Dev 1.239
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

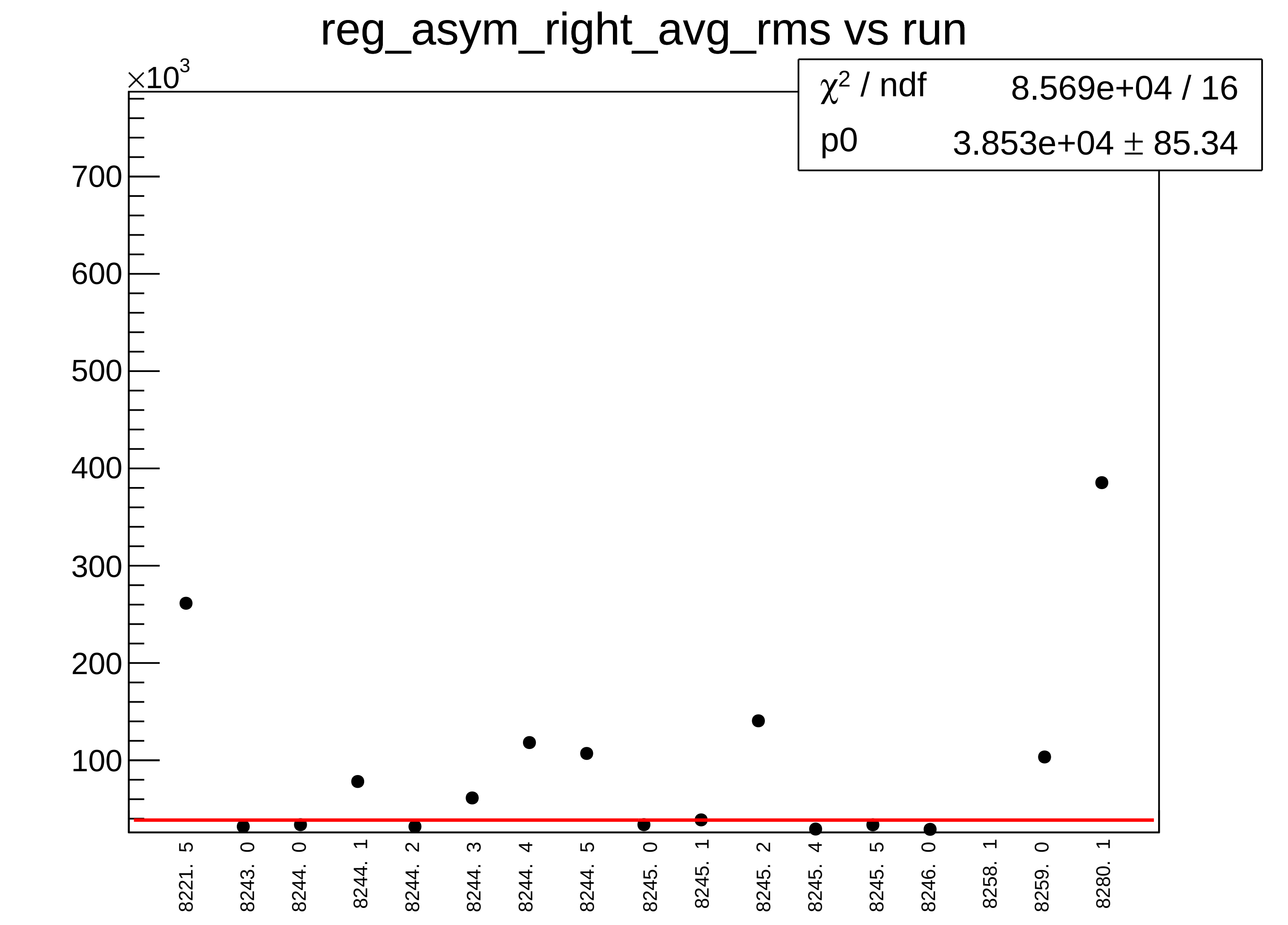

asym_left_dd_correction_rms vs run
$\times 10^3$
χ^2 / ndf 4.398e+05 / 77
p0 488.2 ± 0.4775


asym_left_dd_mean vs run
×10^3
χ2 / ndf 65.94 / 58
p0 3723 ± 2.114e+04
1000
500
0
−500
−1000
pull
Entries 59
Mean 22.91
Std Dev 68.47
pull1D
Entries 59
Mean −0.008493
Std Dev 1.057



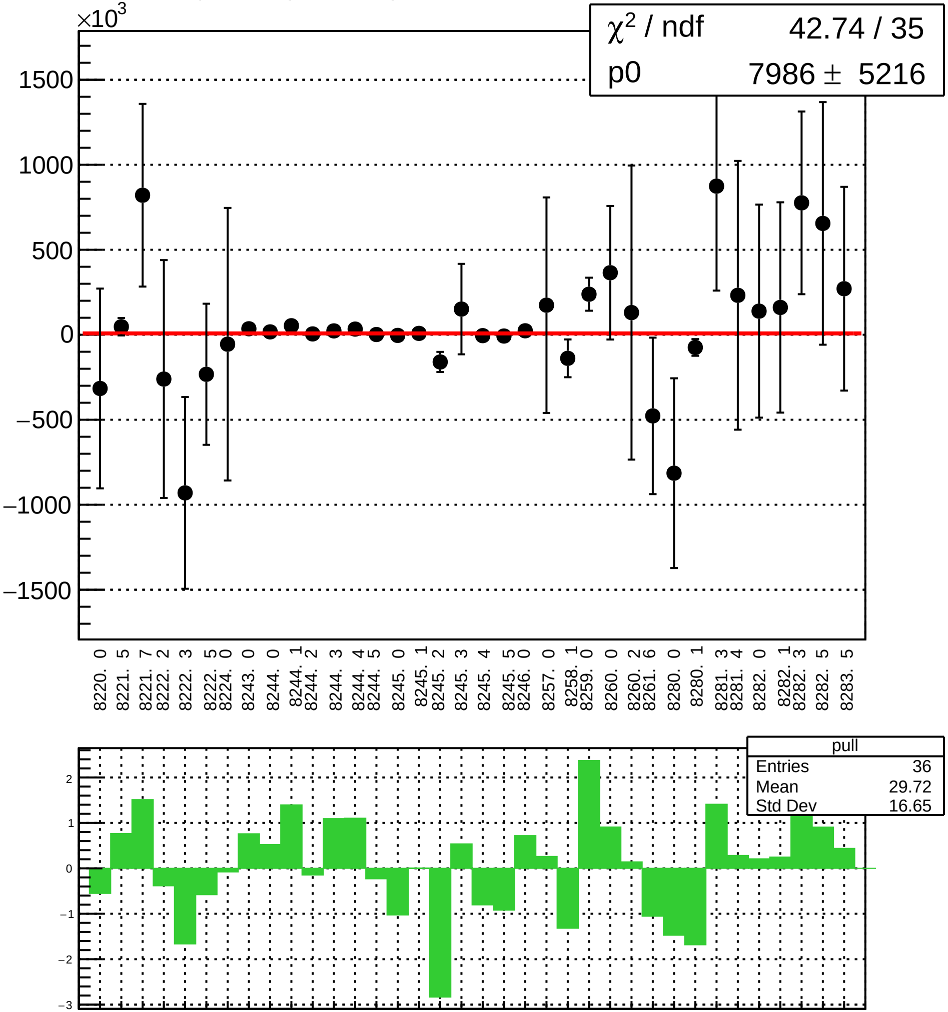
asym_left_dd_rms vs run
$\times10^3$
1000
800
600
400
200
χ^2 / ndf 3.21e+05 / 70
p0 1.509e+04 ± 14.94

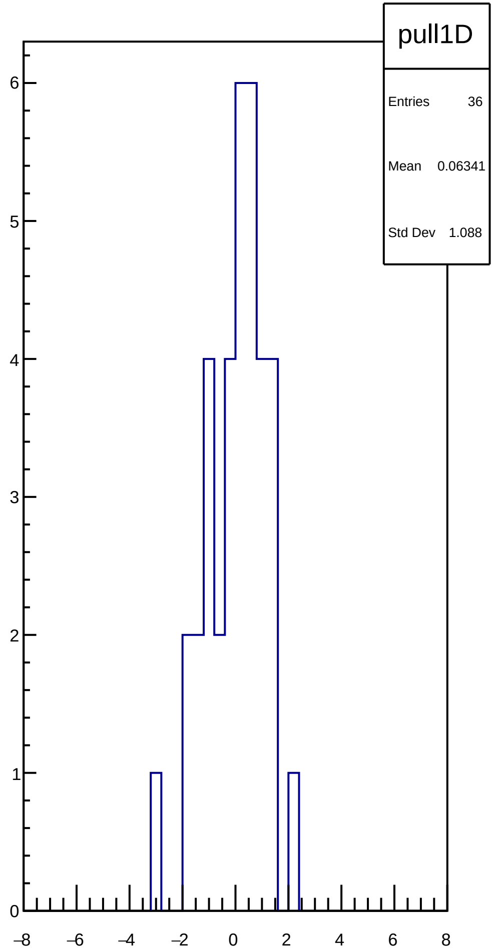

reg_asym_right_avg_mean vs run
×10^3
χ2 / ndf 7.6 / 9
p0 −8.39e+04 ± 1.231e+05
1000
500
0
−500
−1000
−1500
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8245. 0
8245. 1
8245. 4
8245. 5
8246. 0
pull
Entries 10
Mean 13.9
Std Dev 8.197
pull1D
Entries 10
Mean −0.07361
Std Dev 0.8686

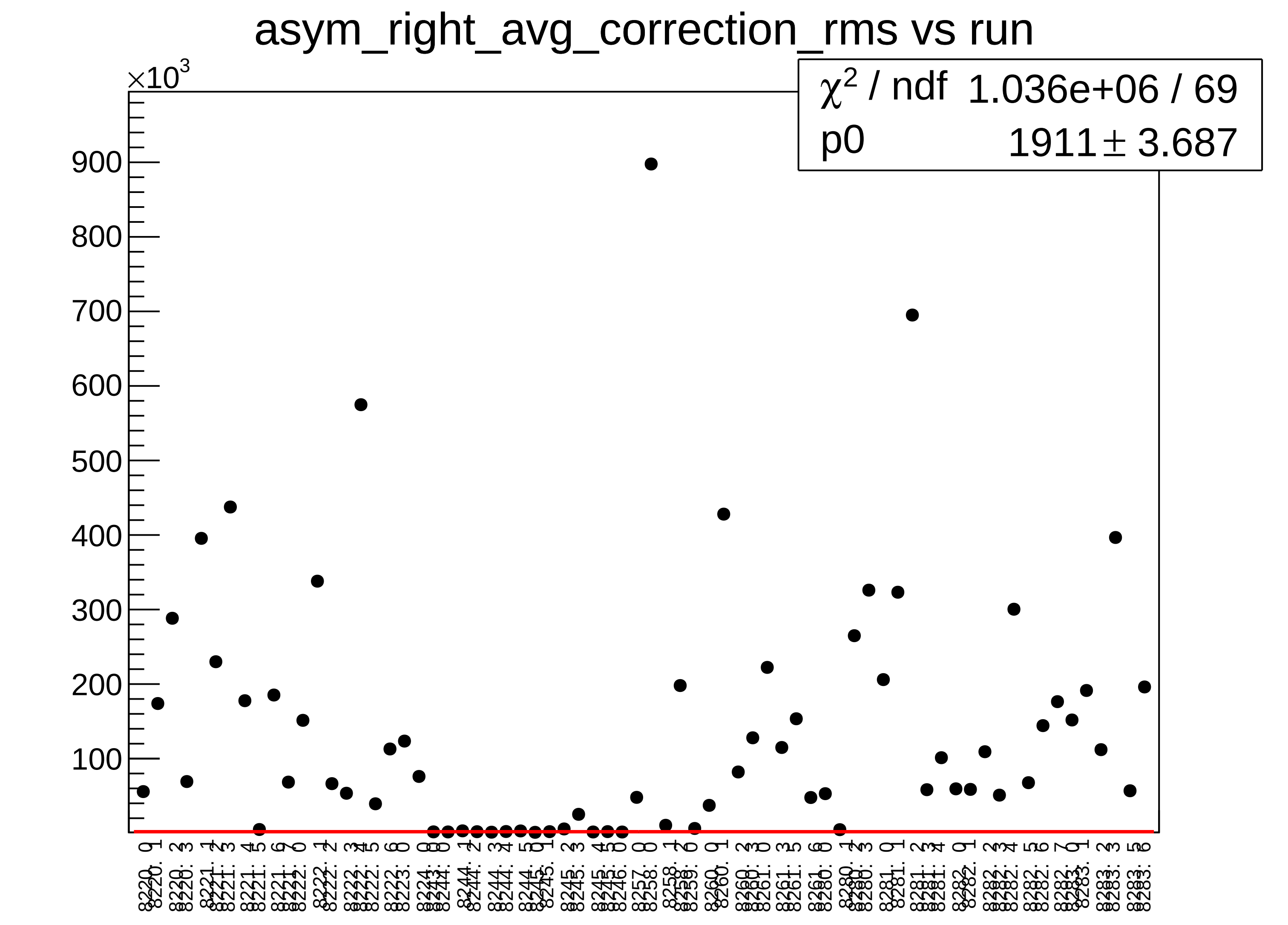


reg_asym_right_avg_rms vs run
×10^3
χ2 / ndf 8.569e+04 / 16
p0 3.853e+04 ± 85.34
700
600
500
400
300
200
100
8221. 5
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 4
8245. 5
8246. 0
8258. 1
8259. 0
8280. 1

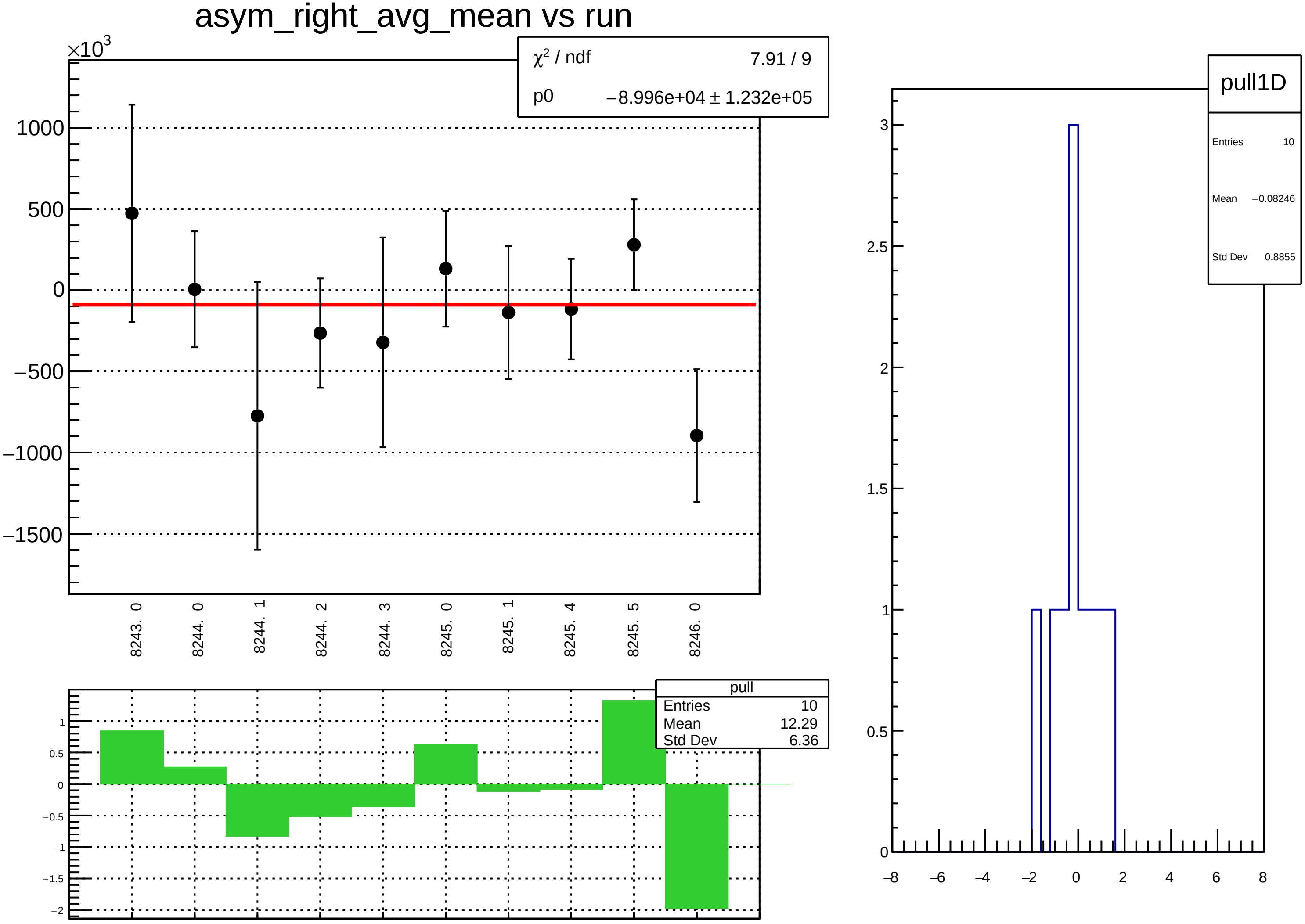
asym_right_avg_correction_mean vs run



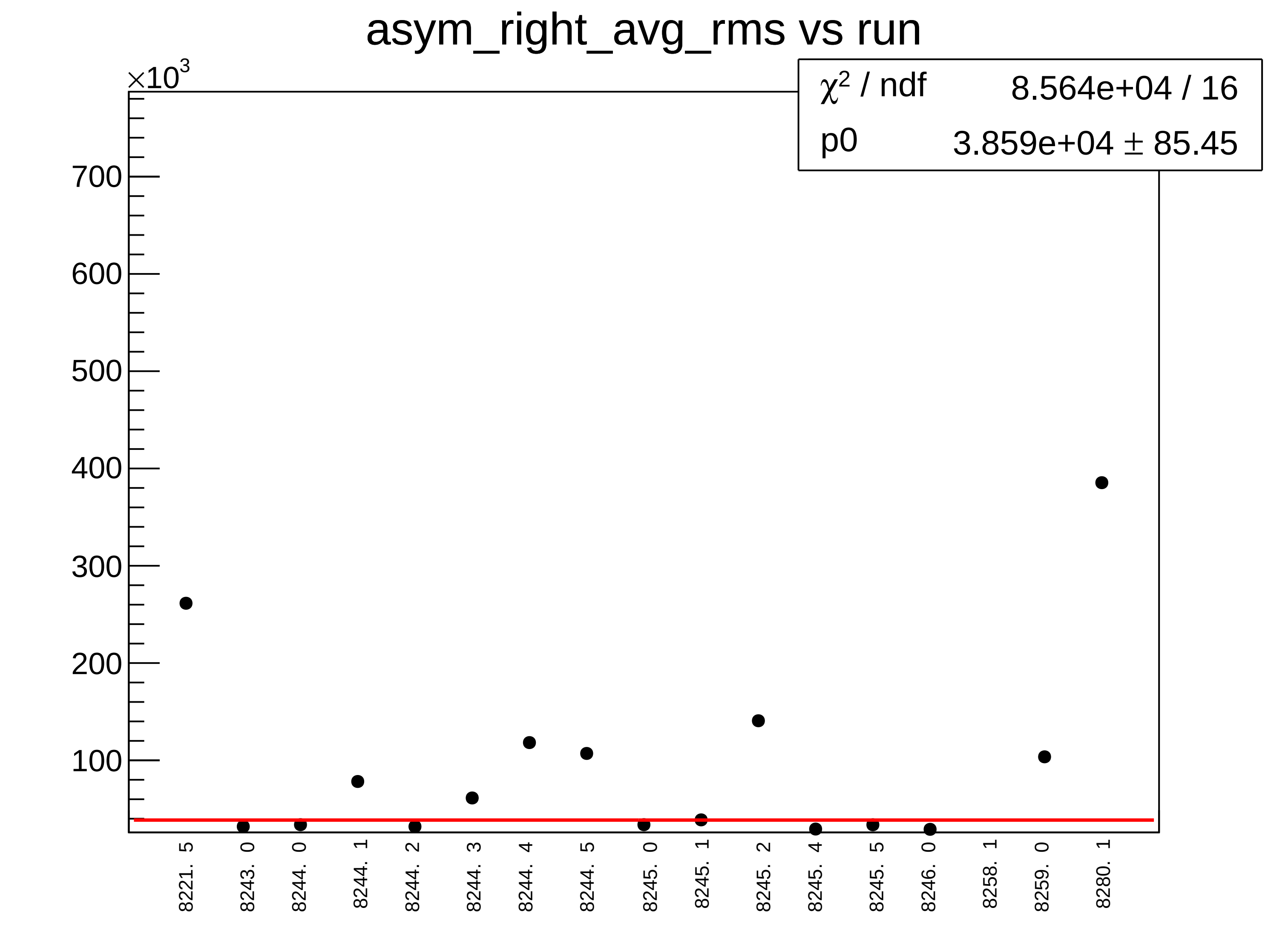




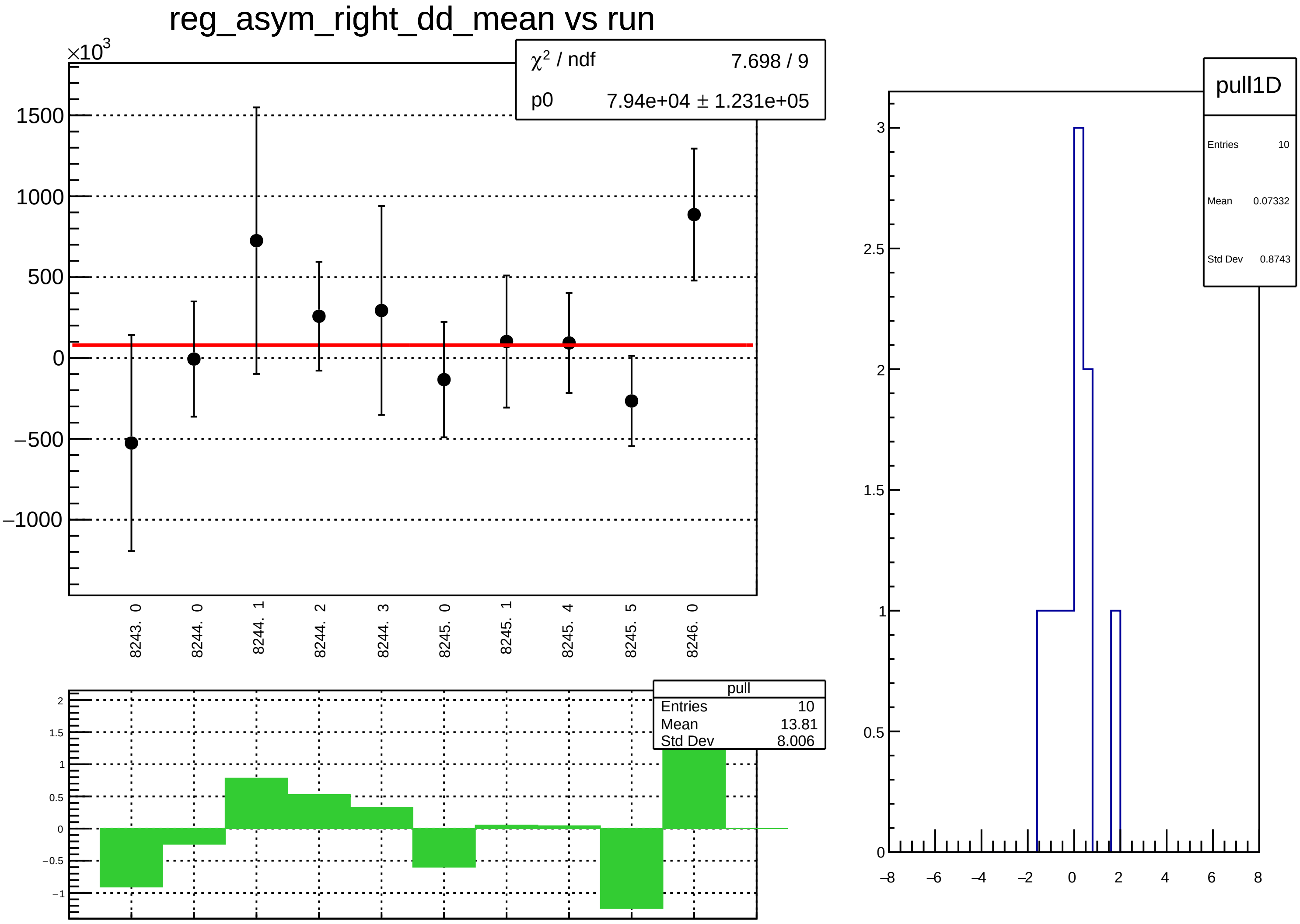
asym_right_avg_correction_rms vs run
$\times10^3$
χ^2 / ndf 1.036e+06 / 69
p0 1911 ± 3.687
900
800
700
600
500
400
300
200
100



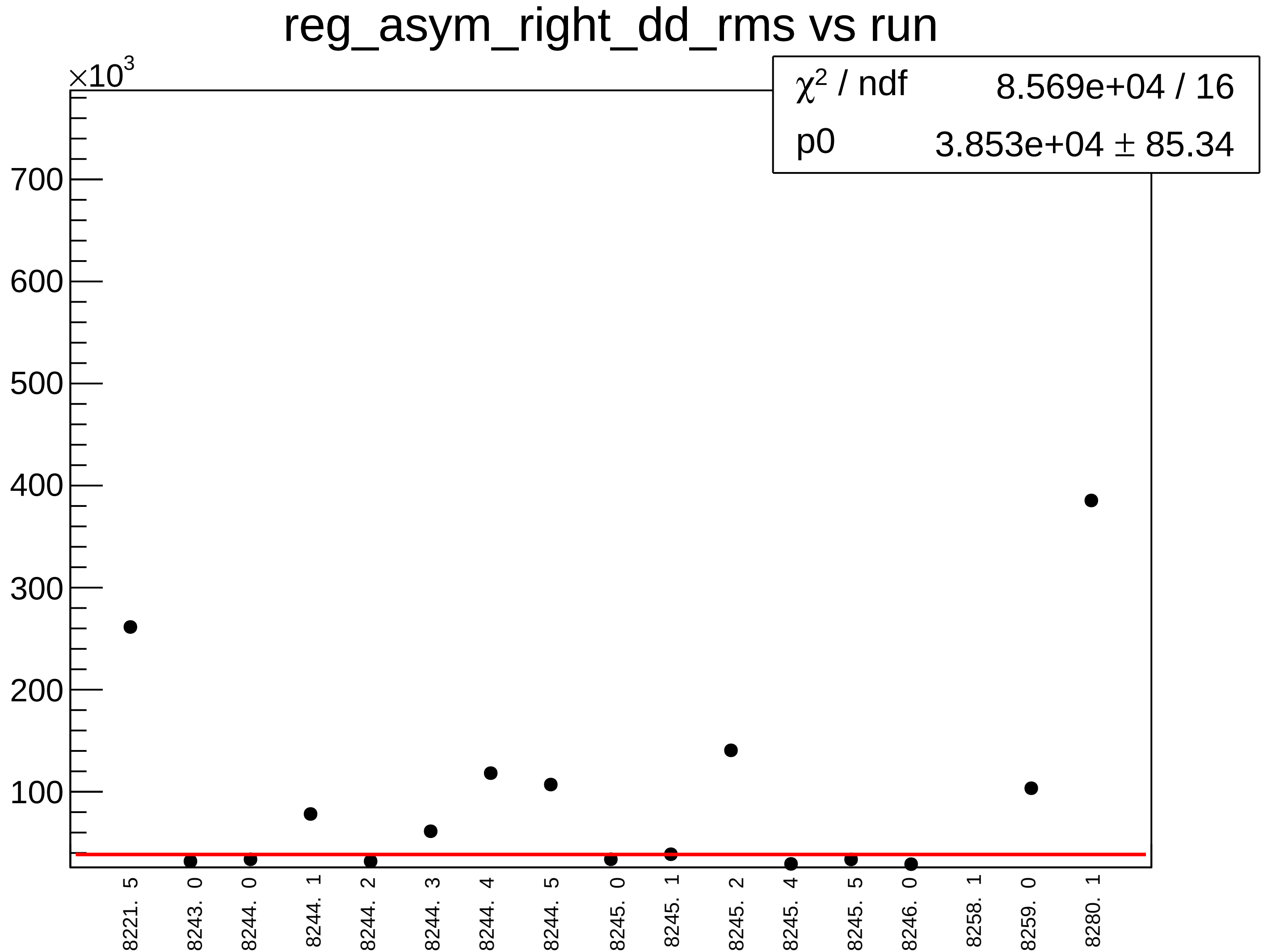
asym_right_avg_mean vs run
×10^3
χ2 / ndf 7.91 / 9
p0 −8.996e+04 ± 1.232e+05
1000
500
0
−500
−1000
−1500
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8245. 0
8245. 1
8245. 4
8245. 5
8246. 0
pull
Entries 10
Mean 12.29
Std Dev 6.36
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 10
Mean −0.08246
Std Dev 0.8855
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8



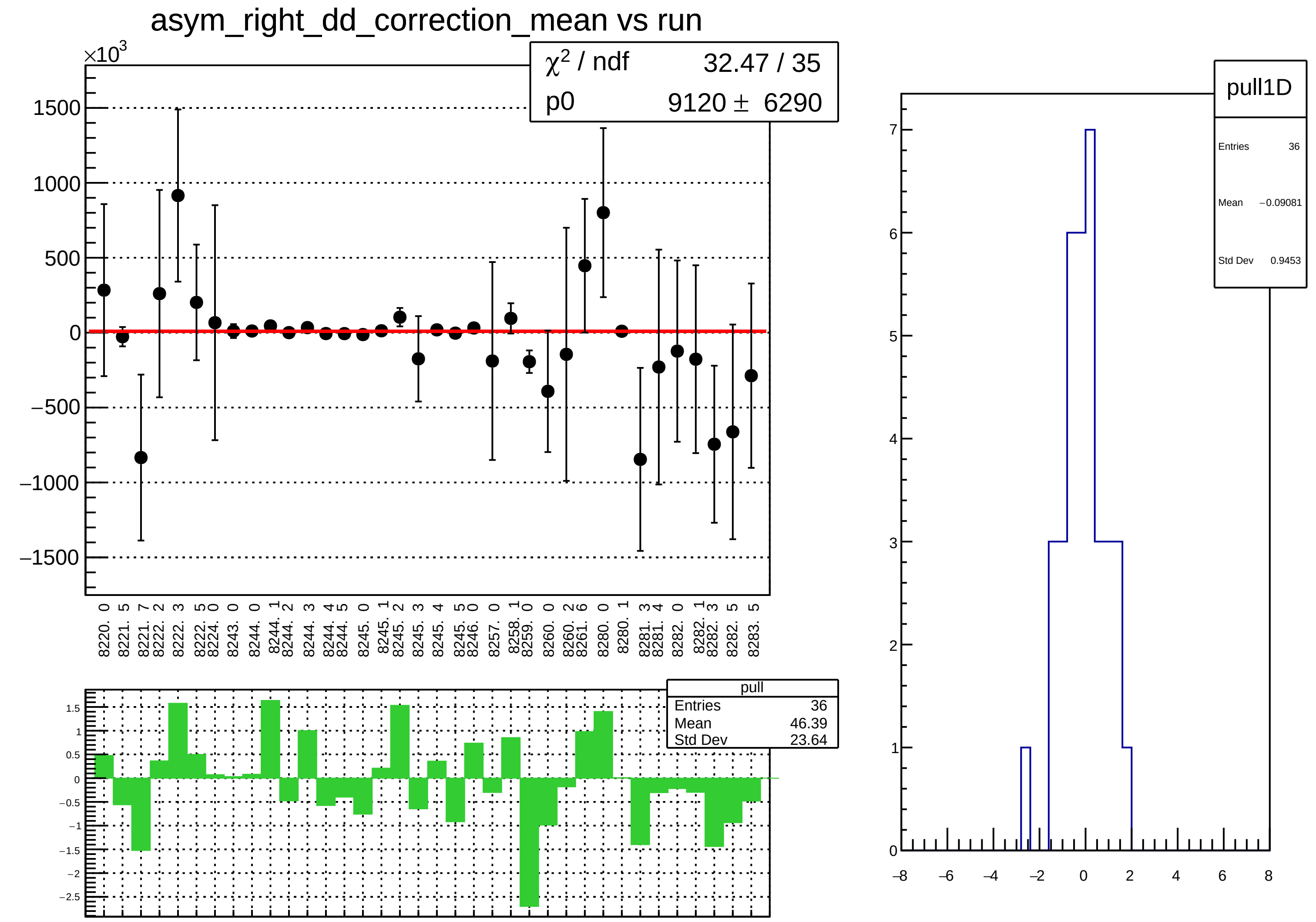
asym_right_avg_rms vs run
×10^3
χ2 / ndf 8.564e+04 / 16
p0 3.859e+04 ± 85.45
700
600
500
400
300
200
100
8221. 5
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 4
8245. 5
8246. 0
8258. 1
8259. 0
8280. 1



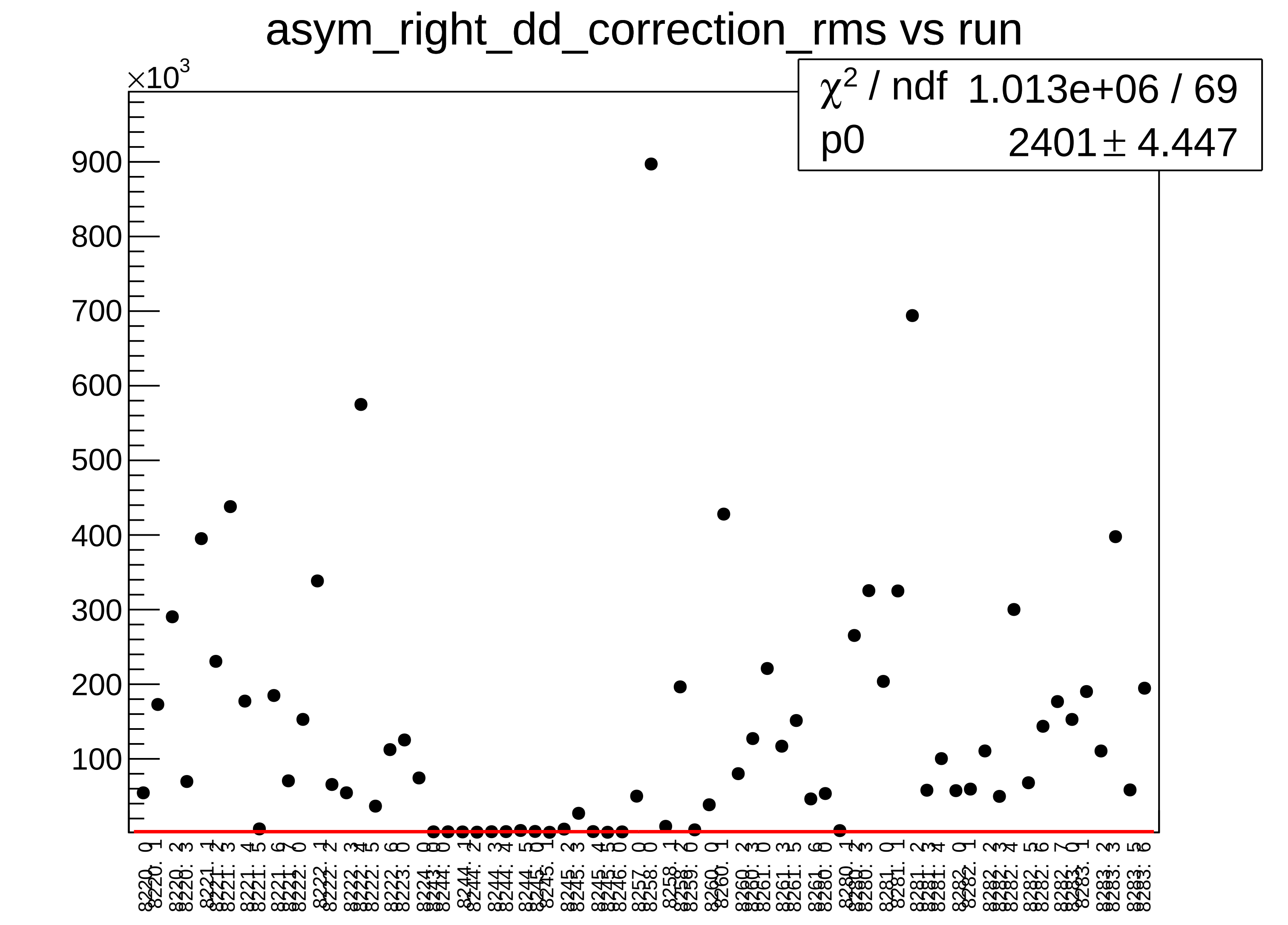
reg_asym_right_dd_mean vs run
×10^3
χ2 / ndf 7.698 / 9
p0 7.94e+04 ± 1.231e+05
1500
1000
500
0
−500
−1000
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8245. 0
8245. 1
8245. 4
8245. 5
8246. 0
pull
Entries 10
Mean 13.81
Std Dev 8.006
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 10
Mean 0.07332
Std Dev 0.8743
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

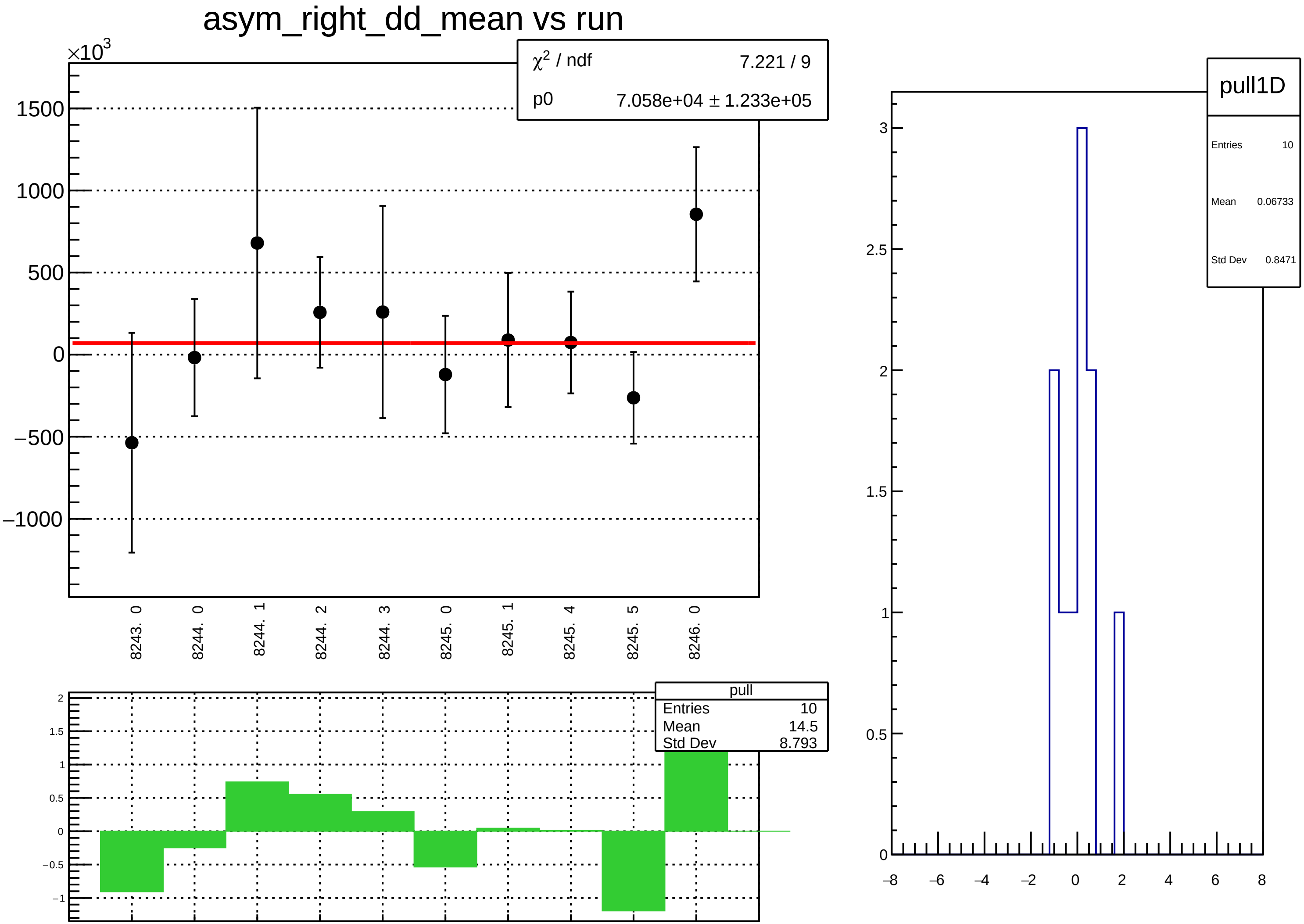


reg_asym_right_dd_rms vs run
×10^3
χ2 / ndf 8.569e+04 / 16
p0 3.853e+04 ± 85.34
700
600
500
400
300
200
100
8221. 5
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 4
8245. 5
8246. 0
8258. 1
8259. 0
8280. 1

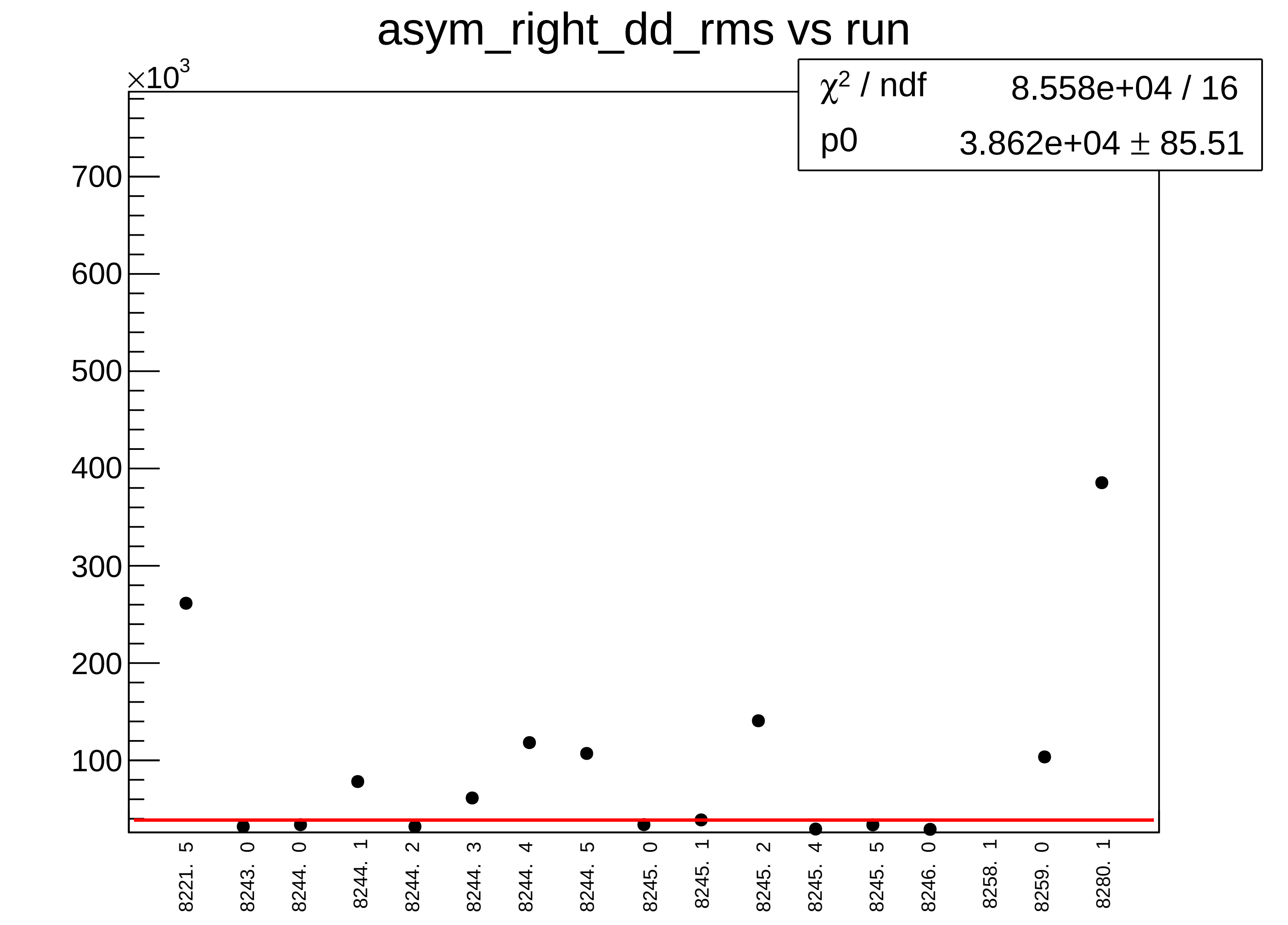


asym_right_dd_correction_mean vs run
×10^3
χ2 / ndf 32.47 / 35
p0 9120 ± 6290
1500
1000
500
0
−500
−1000
−1500
8220. 0
8221. 5
8221. 7
8222. 2
8222. 3
8222. 5
8224. 0
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 3
8245. 4
8245. 5
8246. 0
8257. 0
8258. 1
8259. 0
8260. 0
8260. 2
8261. 6
8280. 0
8280. 1
8281. 3
8281. 4
8282. 0
8282. 1
8282. 3
8282. 5
8283. 5
pull
Entries 36
Mean 46.39
Std Dev 23.64
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 36
Mean −0.09081
Std Dev 0.9453
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

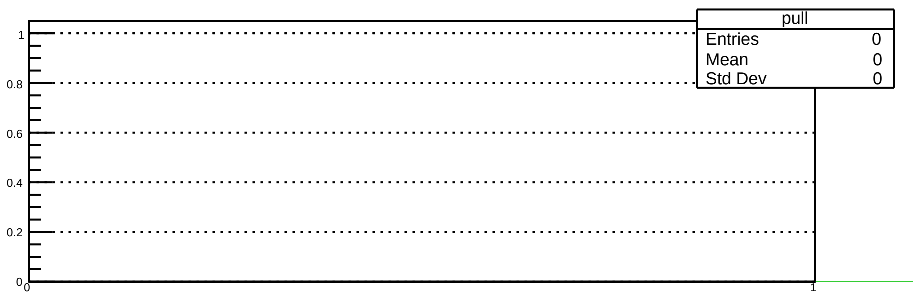

asym_right_dd_correction_rms vs run
×10^3
χ^2 / ndf 1.013e+06 / 69
p0 2401 ± 4.447
900
800
700
600
500
400
300
200
100

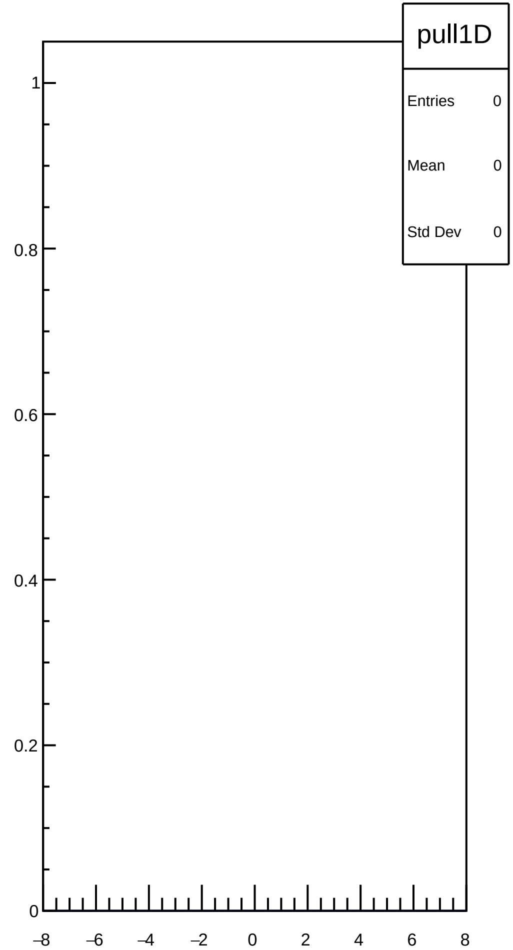


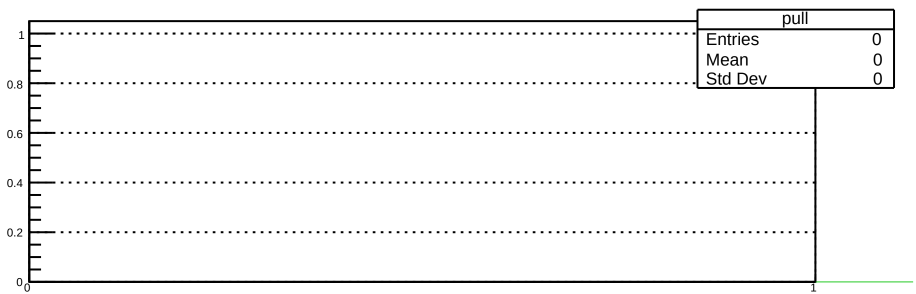
asym_right_dd_mean vs run
×10^3
χ2 / ndf 7.221 / 9
p0 7.058e+04 ± 1.233e+05
1500
1000
500
0
−500
−1000
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8245. 0
8245. 1
8245. 4
8245. 5
8246. 0
pull
Entries 10
Mean 14.5
Std Dev 8.793
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 10
Mean 0.06733
Std Dev 0.8471
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8



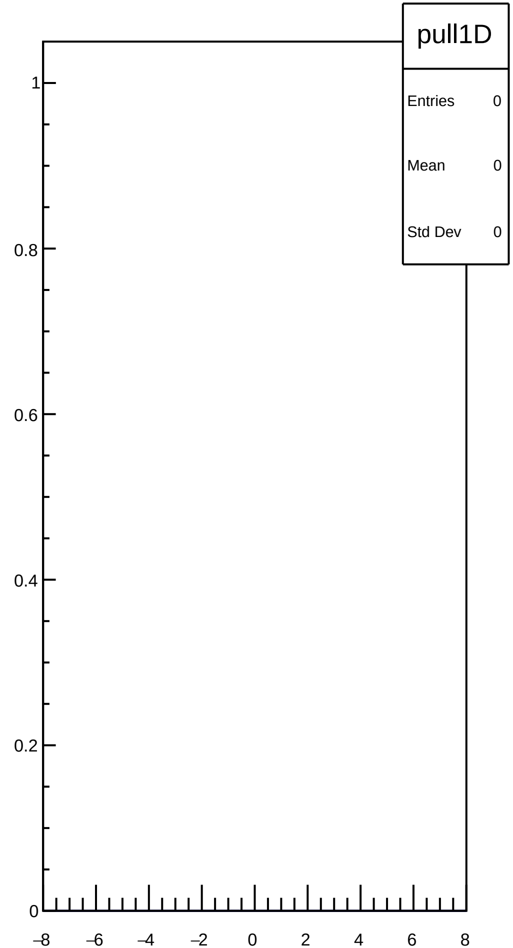
asym_right_dd_rms vs run
$\times 10^3$
χ^2 / ndf 8.558e+04 / 16
p0 3.862e+04 ± 85.51
700
600
500
400
300
200
100
8221. 5
8243. 0
8244. 0
8244. 1
8244. 2
8244. 3
8244. 4
8244. 5
8245. 0
8245. 1
8245. 2
8245. 4
8245. 5
8246. 0
8258. 1
8259. 0
8280. 1


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

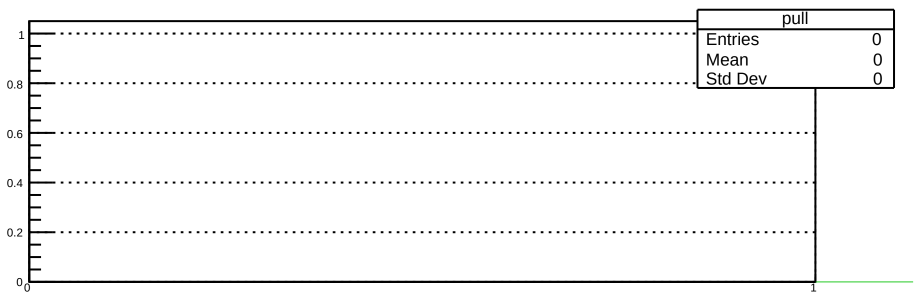

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

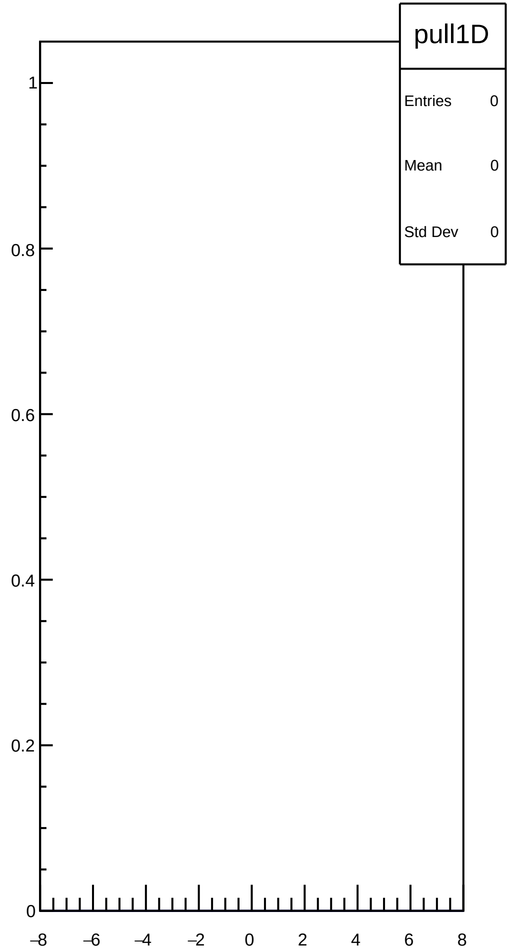


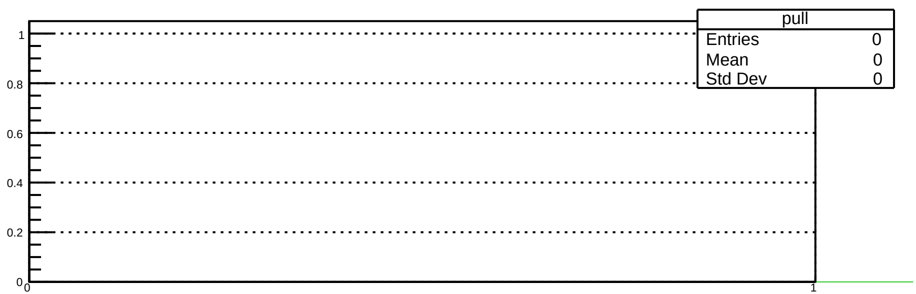
pull
Entries 0
Mean 0
Std Dev 0

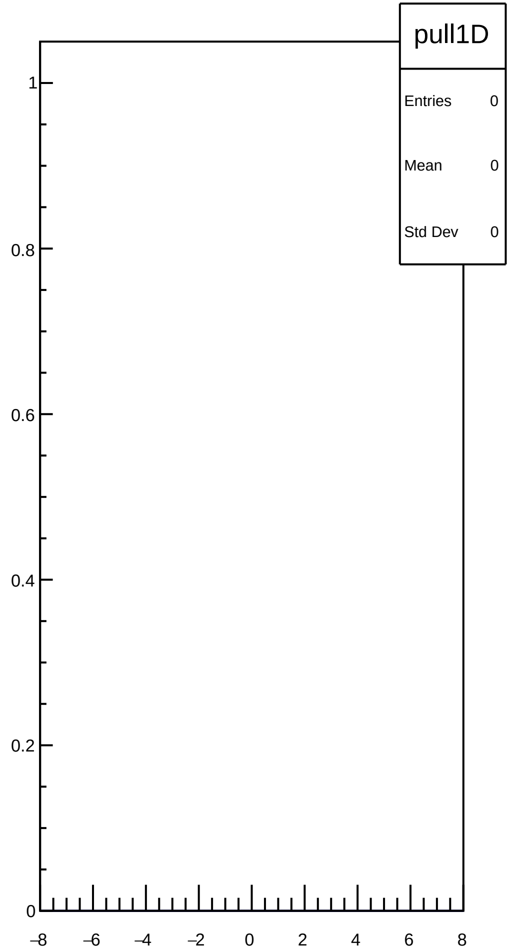


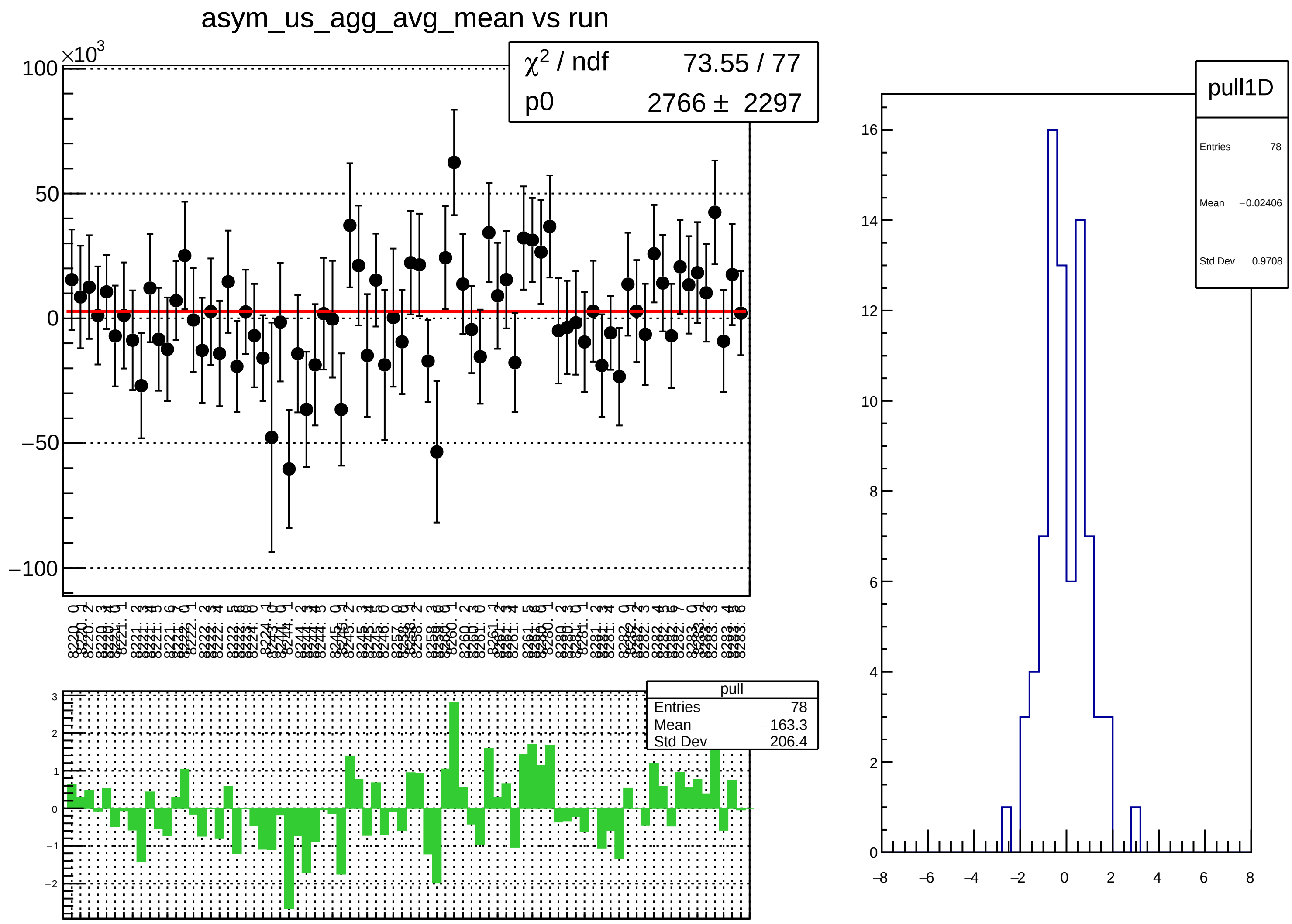
pull1D
Entries 0
Mean 0
Std Dev 0

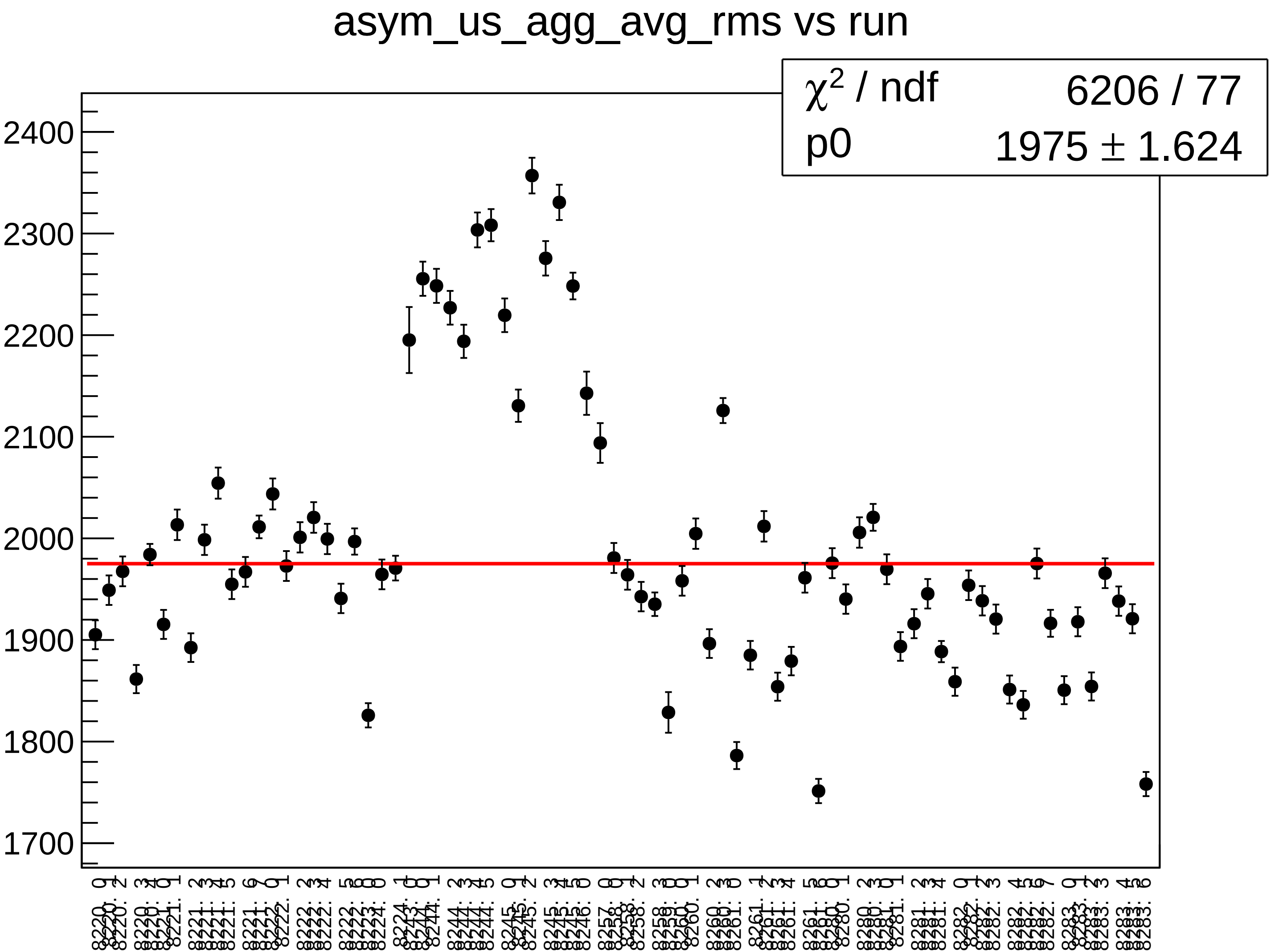

pull
Entries 0
Mean 0
Std Dev 0

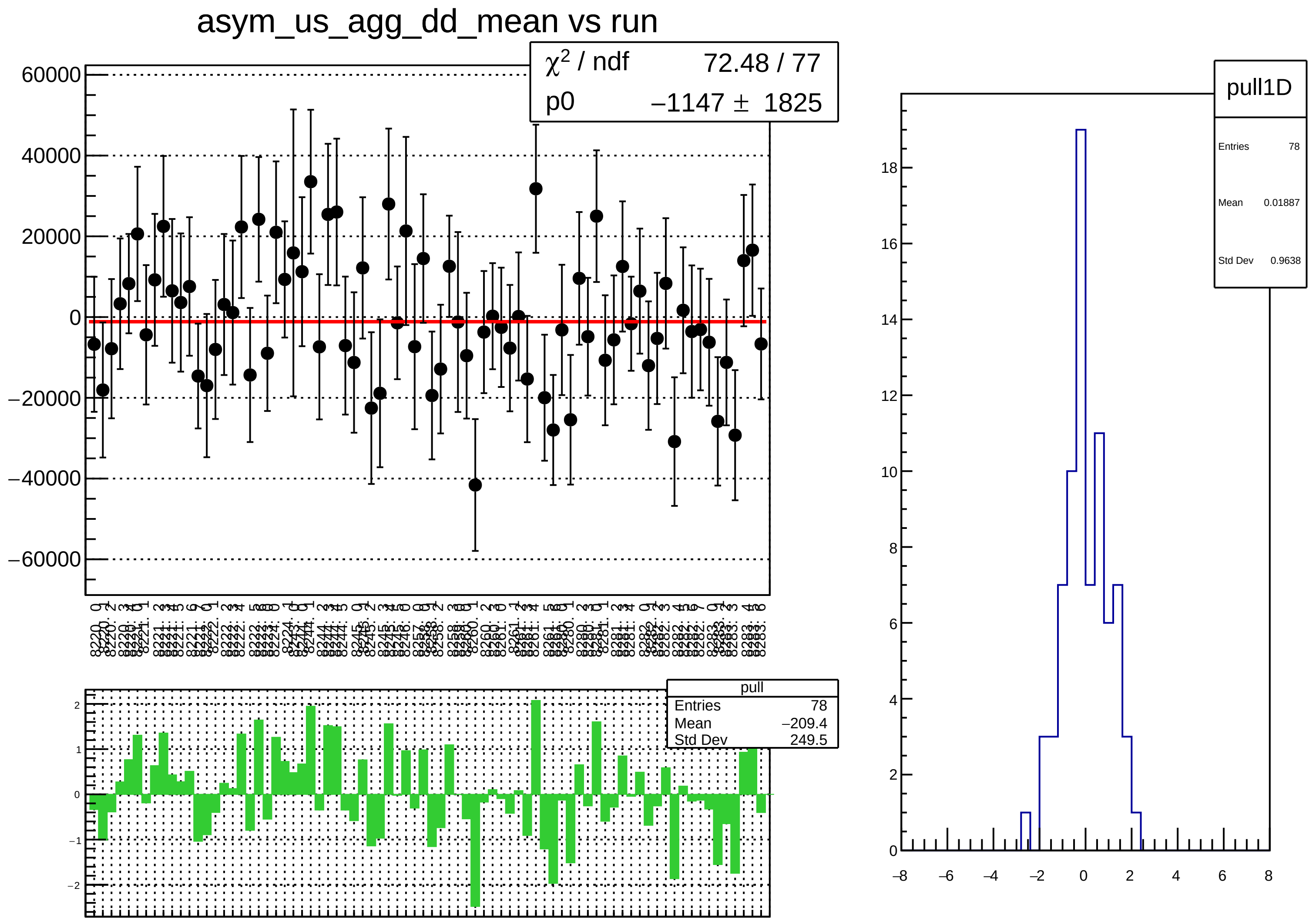

pull1D
Entries 0
Mean 0
Std Dev 0

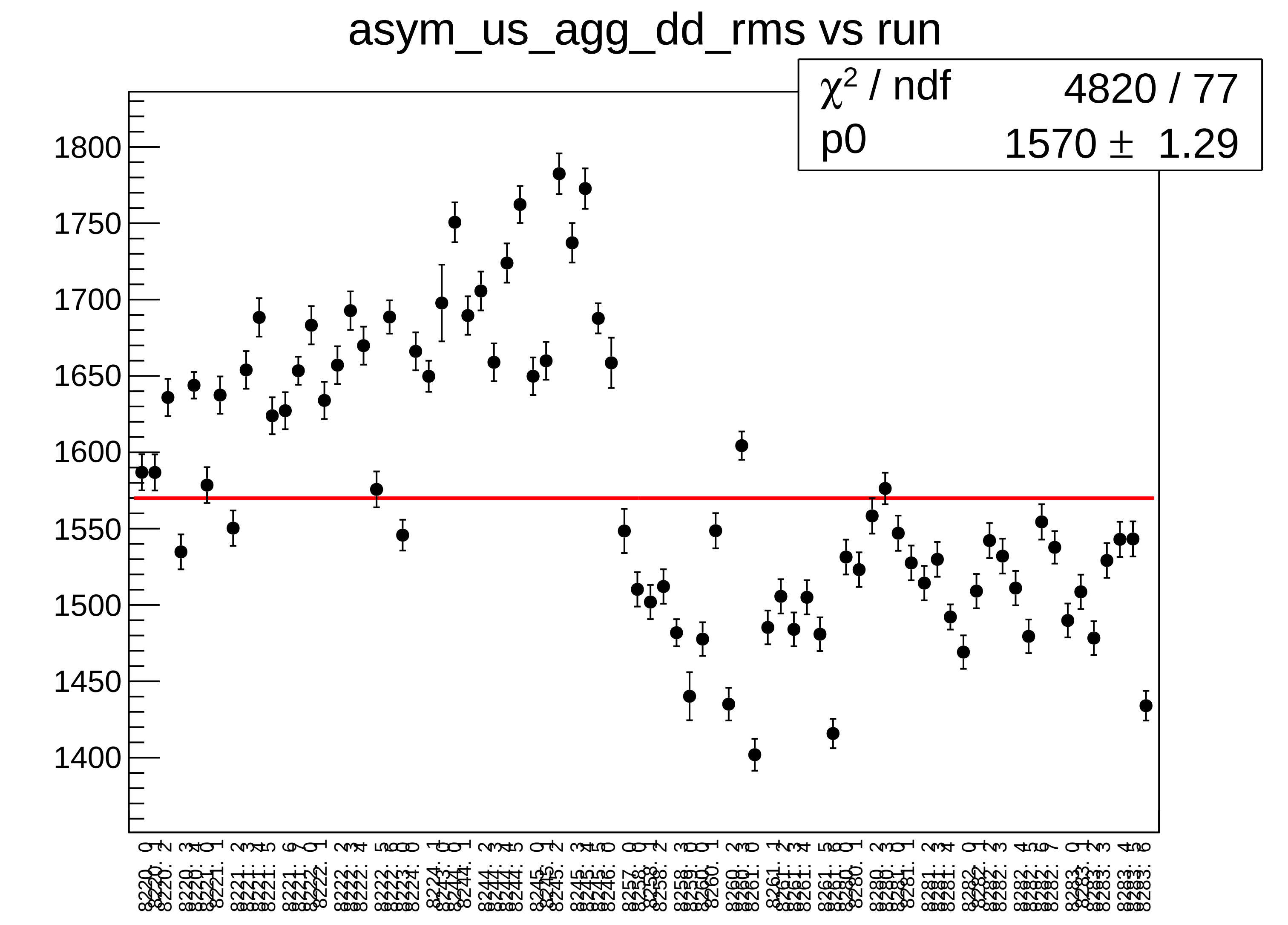

pull
Entries 0
Mean 0
Std Dev 0


pull1D
Entries 0
Mean 0
Std Dev 0

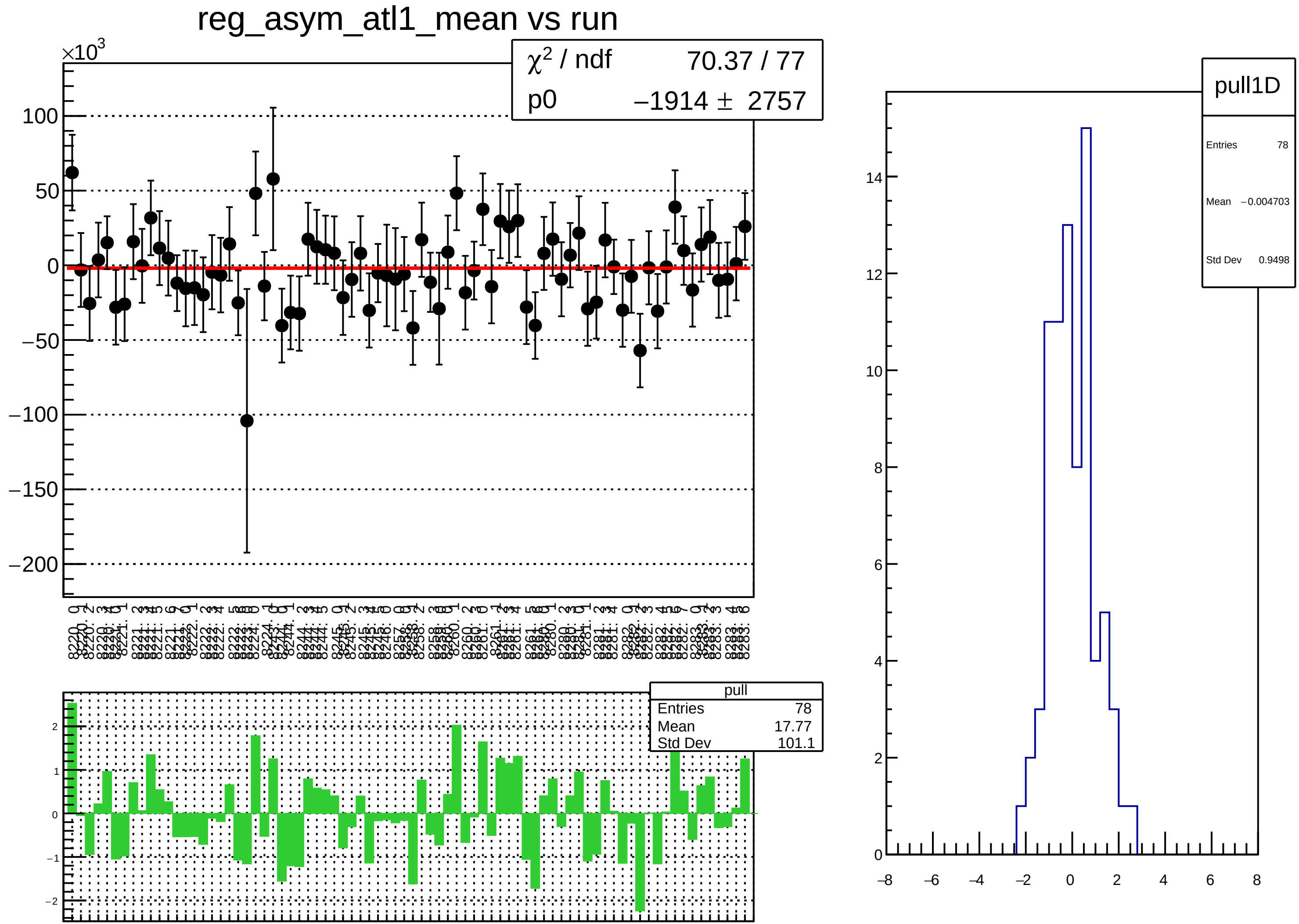

asym_us_agg_avg_mean vs run
$\times 10^3$
χ^2 / ndf 73.55 / 77
p0 2766 ± 2297
pull
Entries 78
Mean −163.3
Std Dev 206.4
pull1D
Entries 78
Mean −0.02406
Std Dev 0.9708

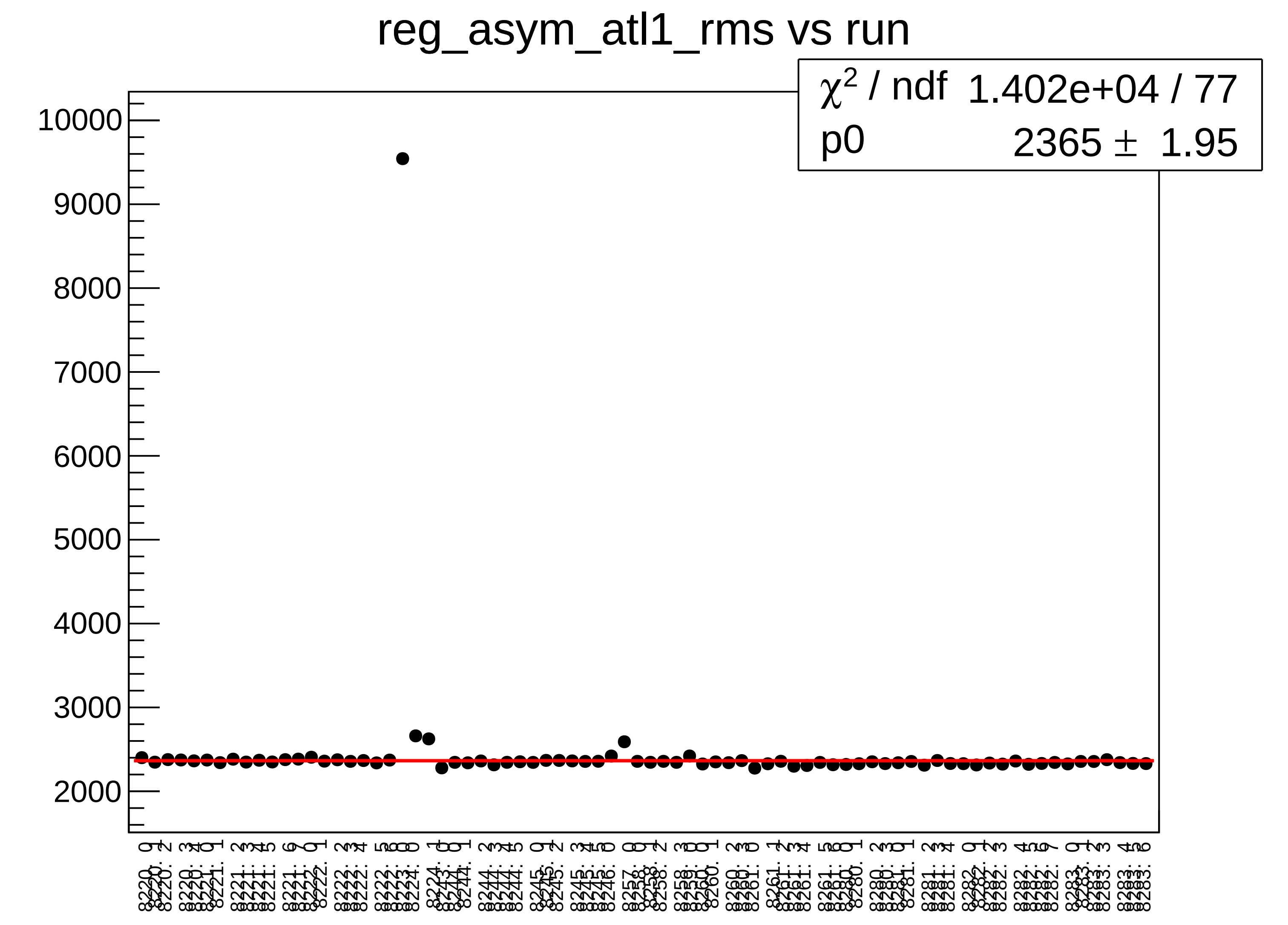

asym_us_agg_avg_rms vs run
χ^2 / ndf 6206 / 77
p0 1975 ± 1.624
2400
2300
2200
2100
2000
1900
1800
1700


asym_us_agg_dd_mean vs run
χ2 / ndf 72.48 / 77
p0 −1147 ± 1825
pull
Entries 78
Mean −209.4
Std Dev 249.5
pull1D
Entries 78
Mean 0.01887
Std Dev 0.9638

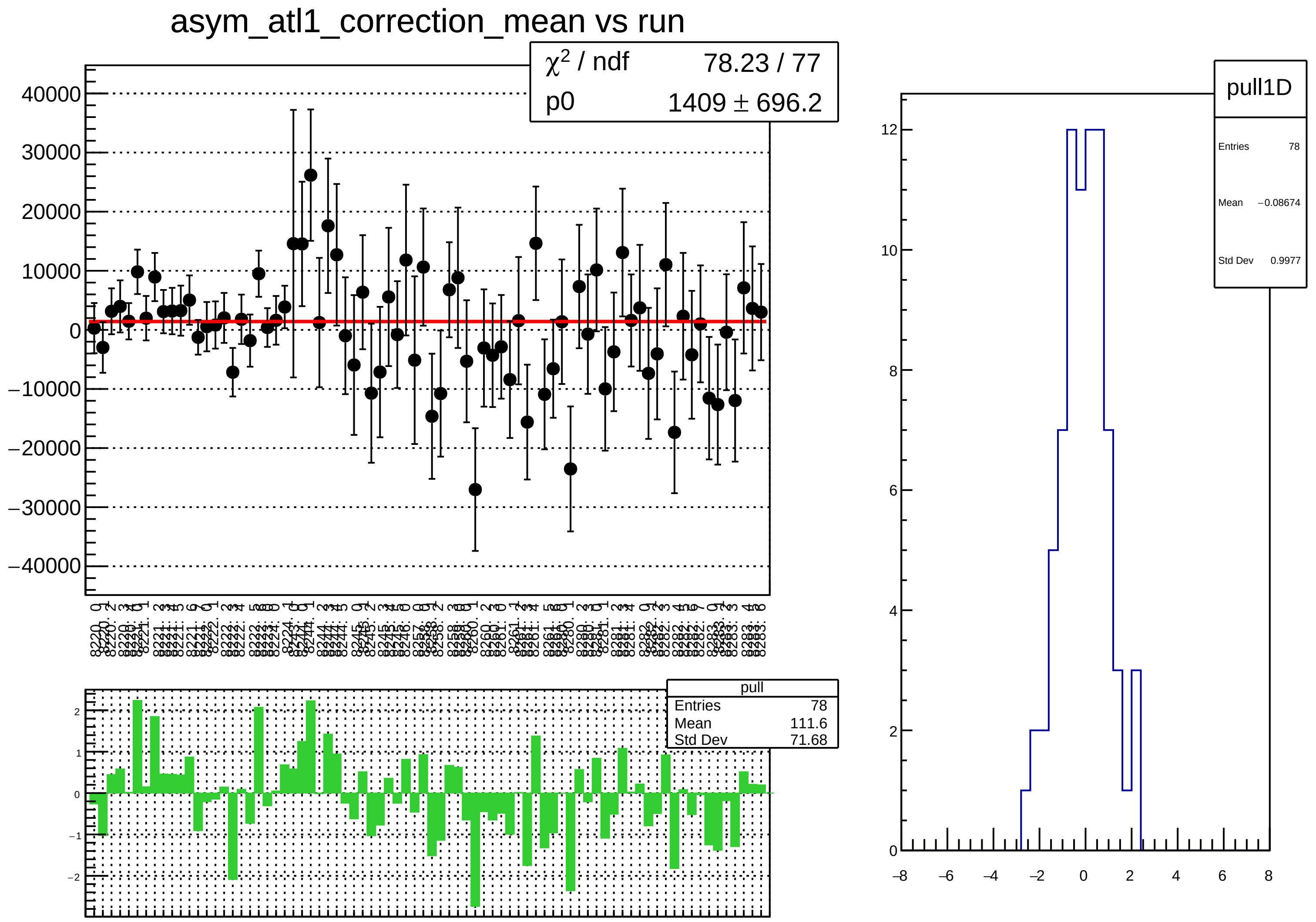


asym_us_agg_dd_rms vs run
χ2 / ndf 4820 / 77
p0 1570 ± 1.29
1800
1750
1700
1650
1600
1550
1500
1450
1400

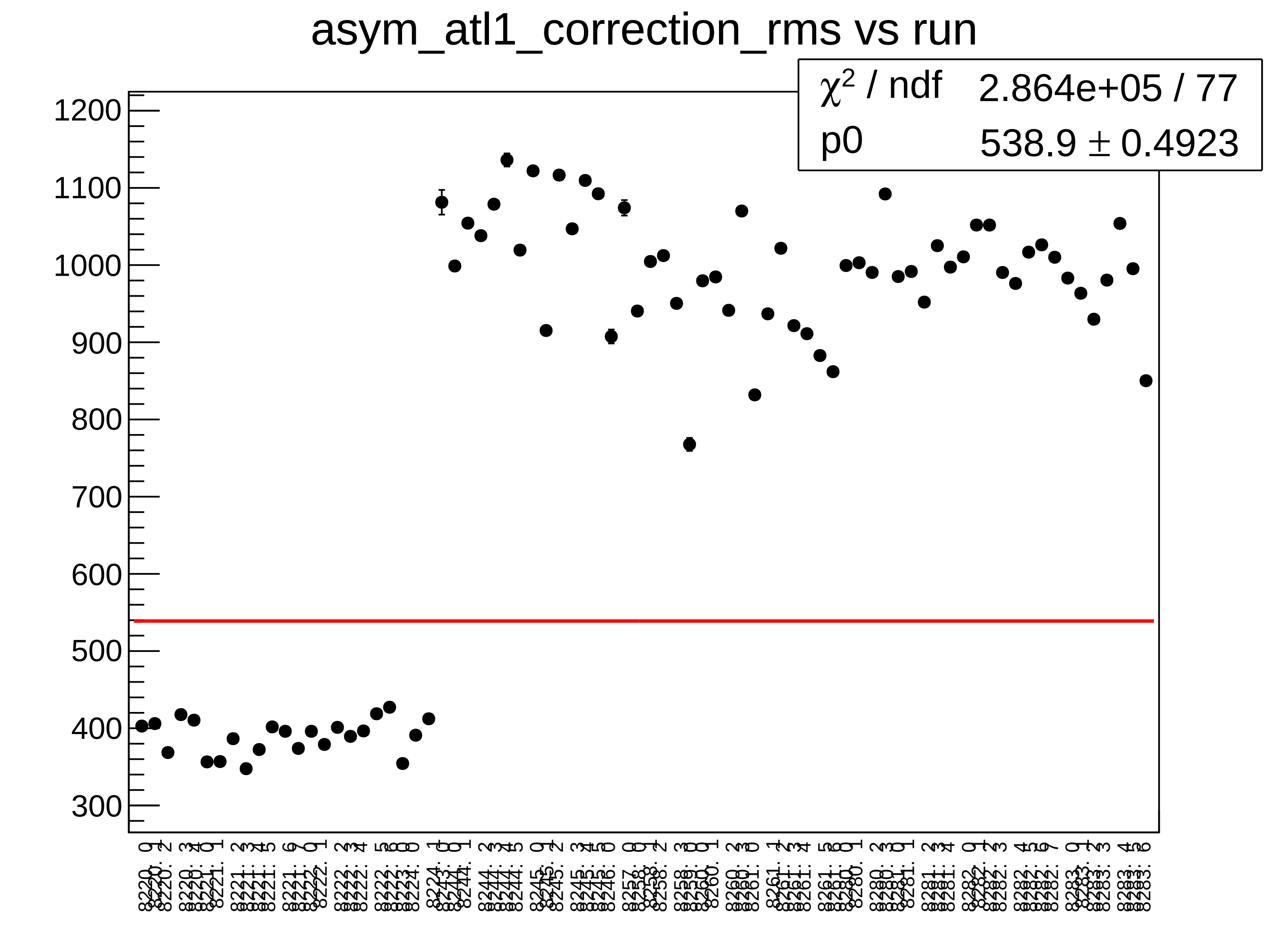

reg_asym_atl1_mean vs run
×10^3
χ2 / ndf 70.37 / 77
p0 −1914 ± 2757
pull
Entries 78
Mean 17.77
Std Dev 101.1
pull1D
Entries 78
Mean −0.004703
Std Dev 0.9498



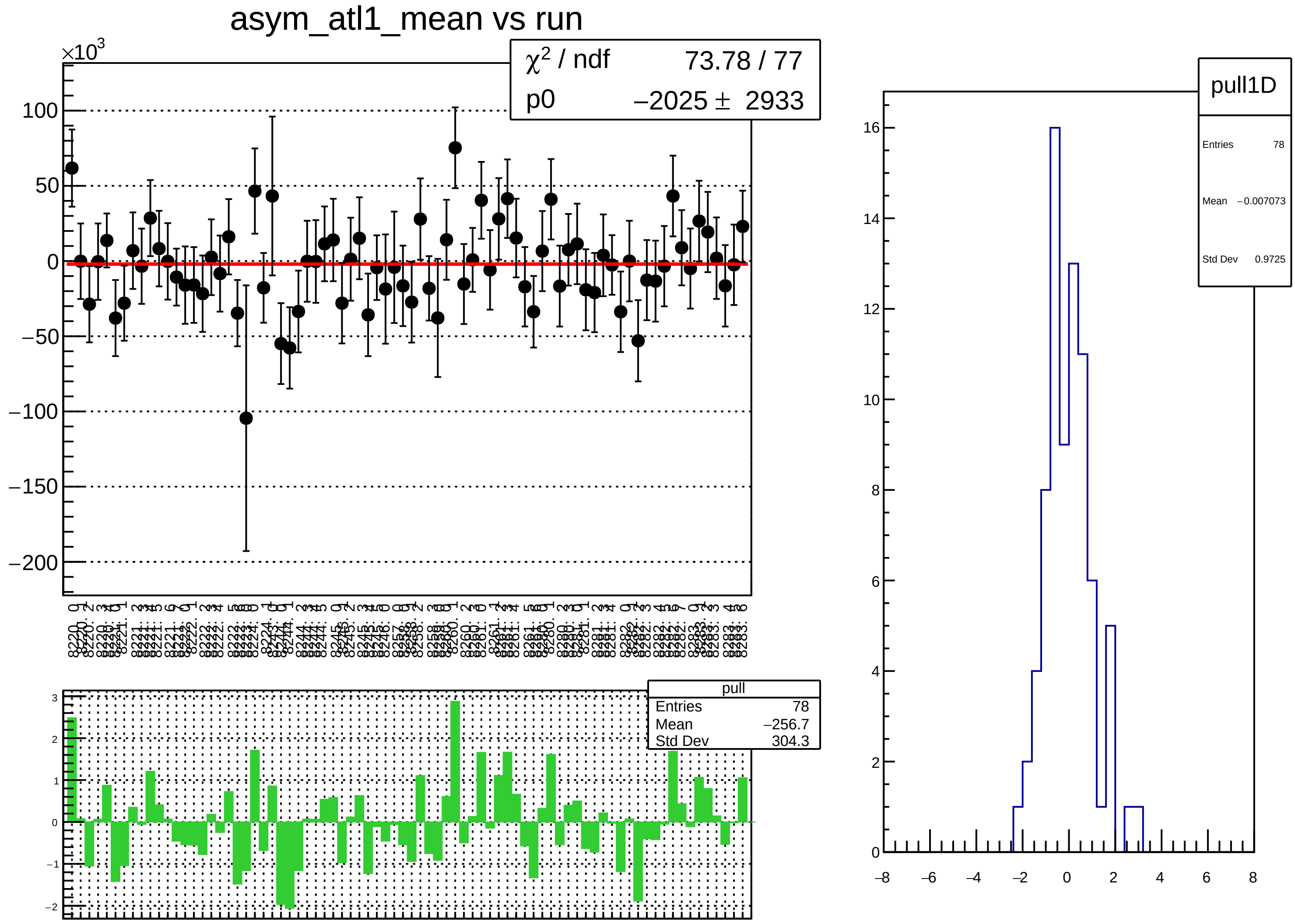
reg_asym_atl1_rms vs run
χ^2 / ndf 1.402e+04 / 77
p0 2365 ± 1.95
10000
9000
8000
7000
6000
5000
4000
3000
2000

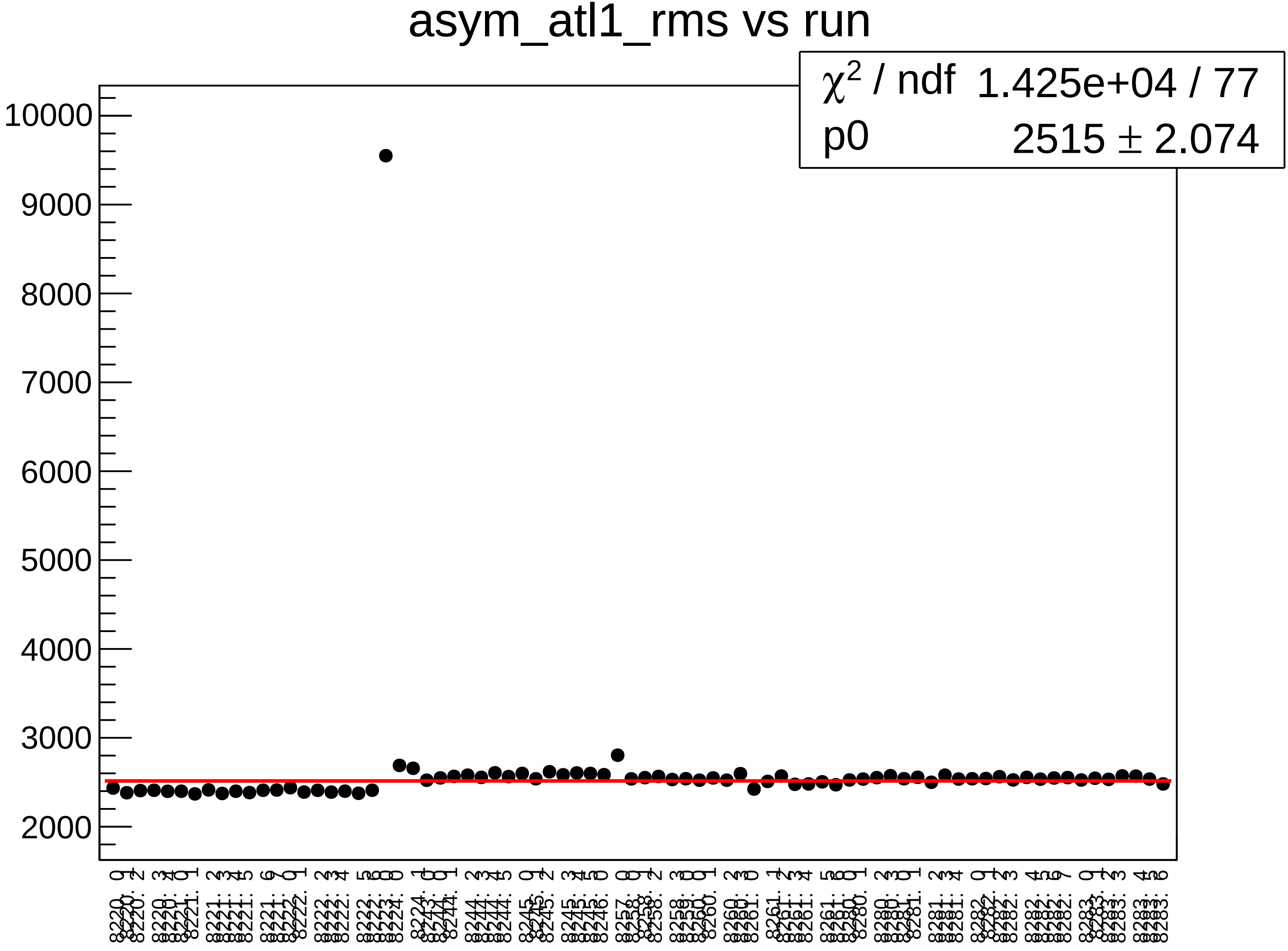


asym_atl1_correction_mean vs run
χ2 / ndf 78.23 / 77
p0 1409 ± 696.2
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 78
Mean 111.6
Std Dev 71.68
pull1D
Entries 78
Mean −0.08674
Std Dev 0.9977

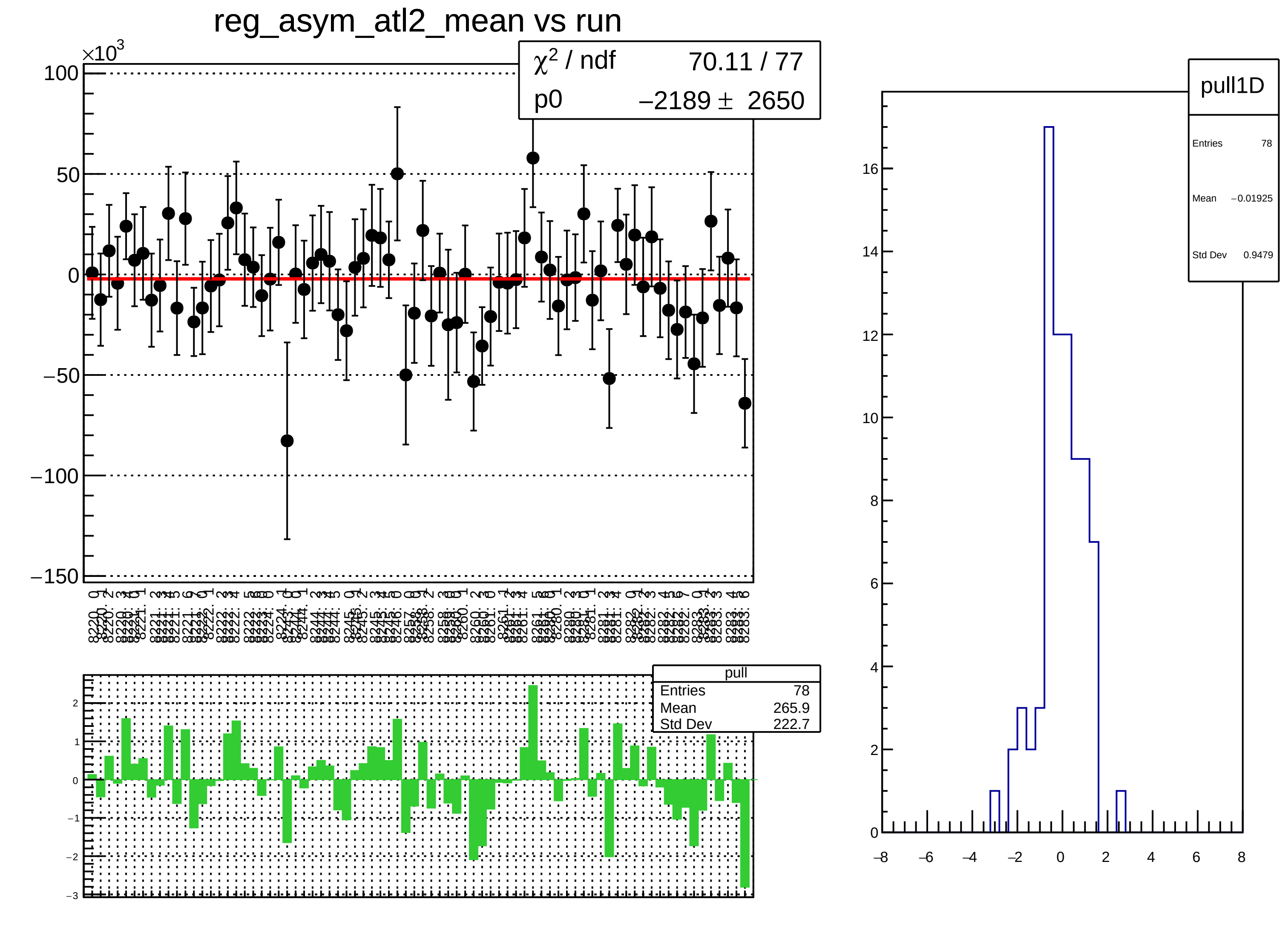


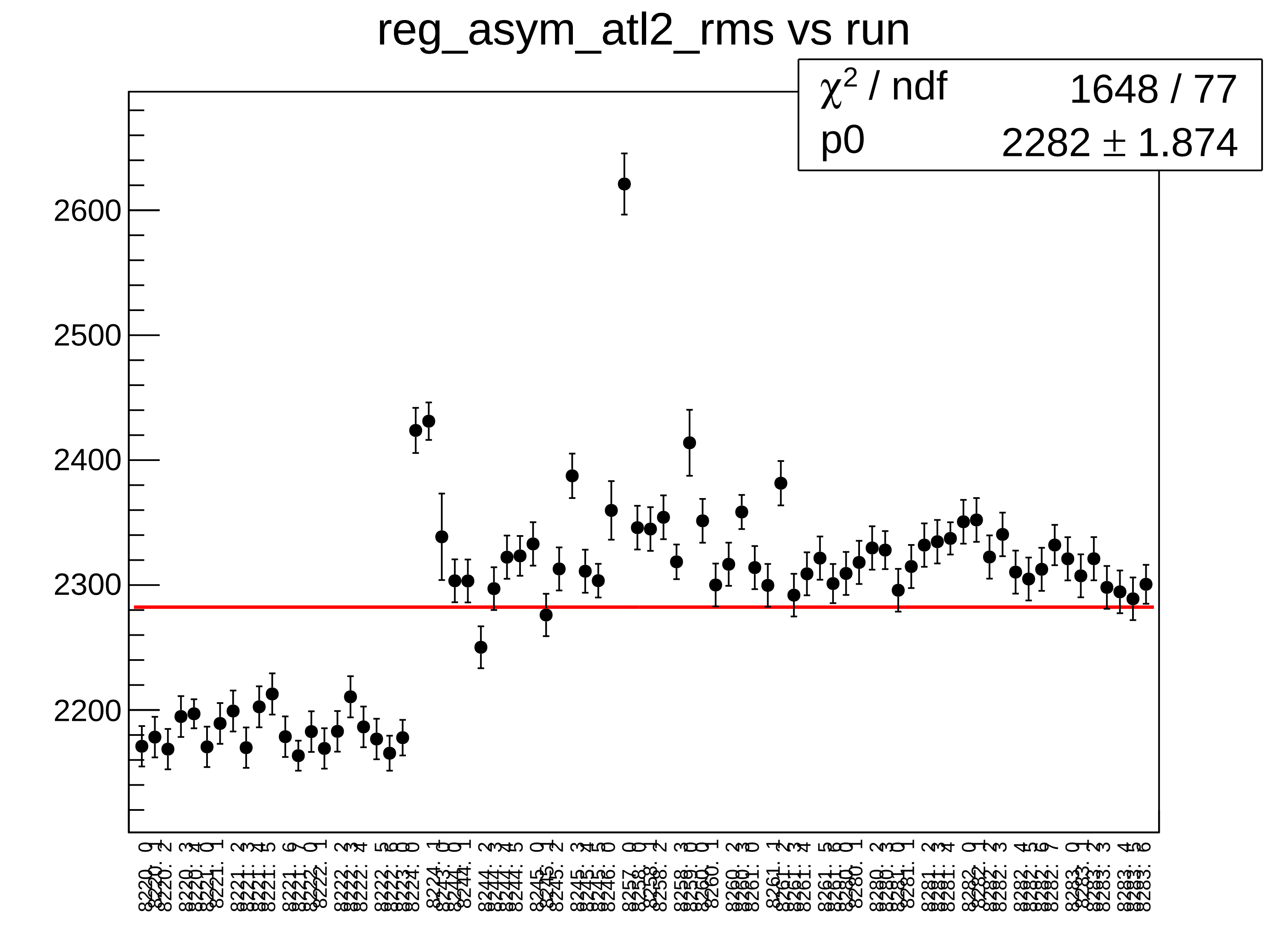
asym_atl1_correction_rms vs run
χ^2 / ndf 2.864e+05 / 77
p0 538.9 ± 0.4923
1200
1100
1000
900
800
700
600
500
400
300

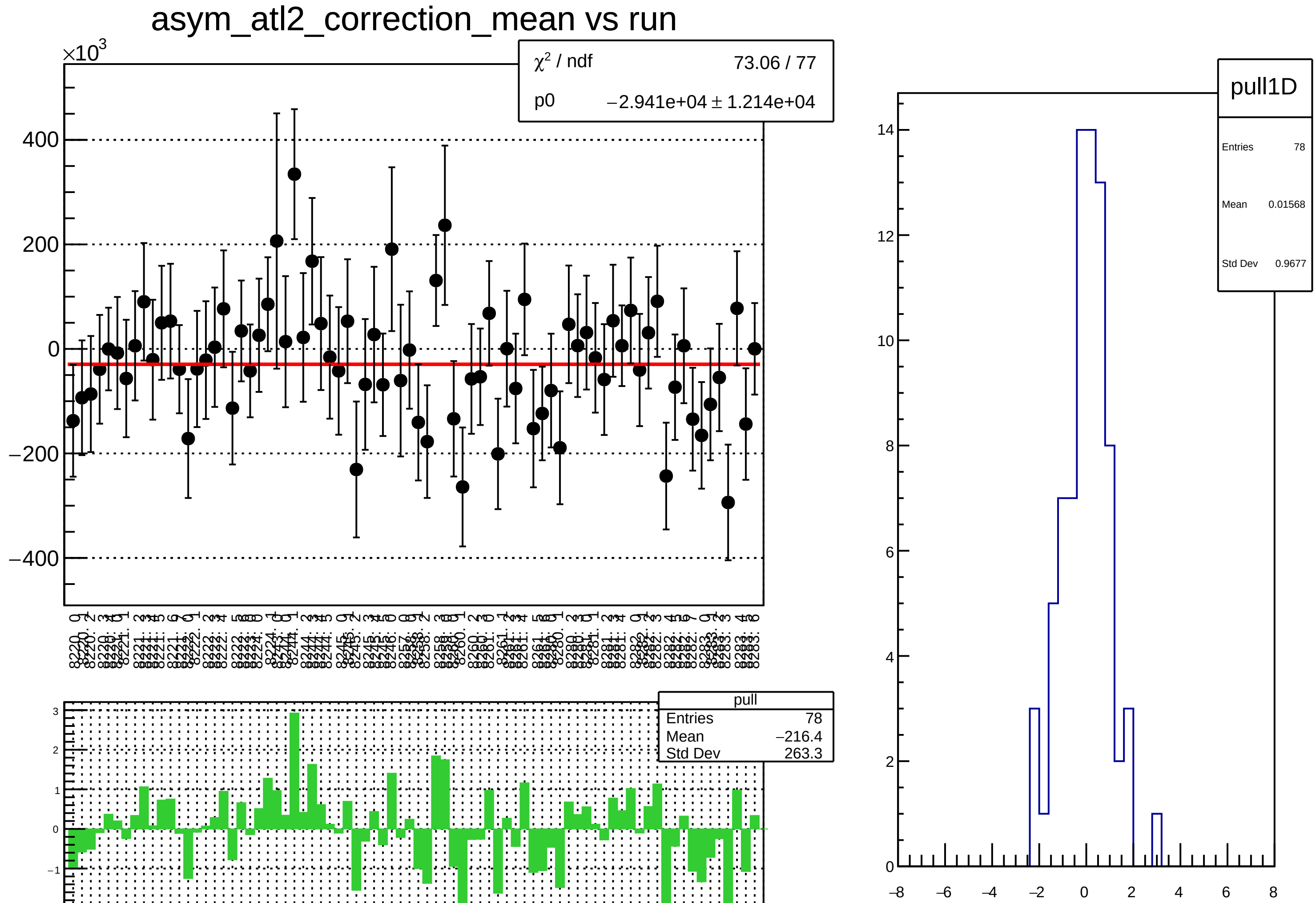

asym_atl1_mean vs run
$\times 10^3$
χ^2 / ndf 73.78 / 77
p0 −2025 ± 2933
pull
Entries 78
Mean −256.7
Std Dev 304.3
pull1D
Entries 78
Mean −0.007073
Std Dev 0.9725

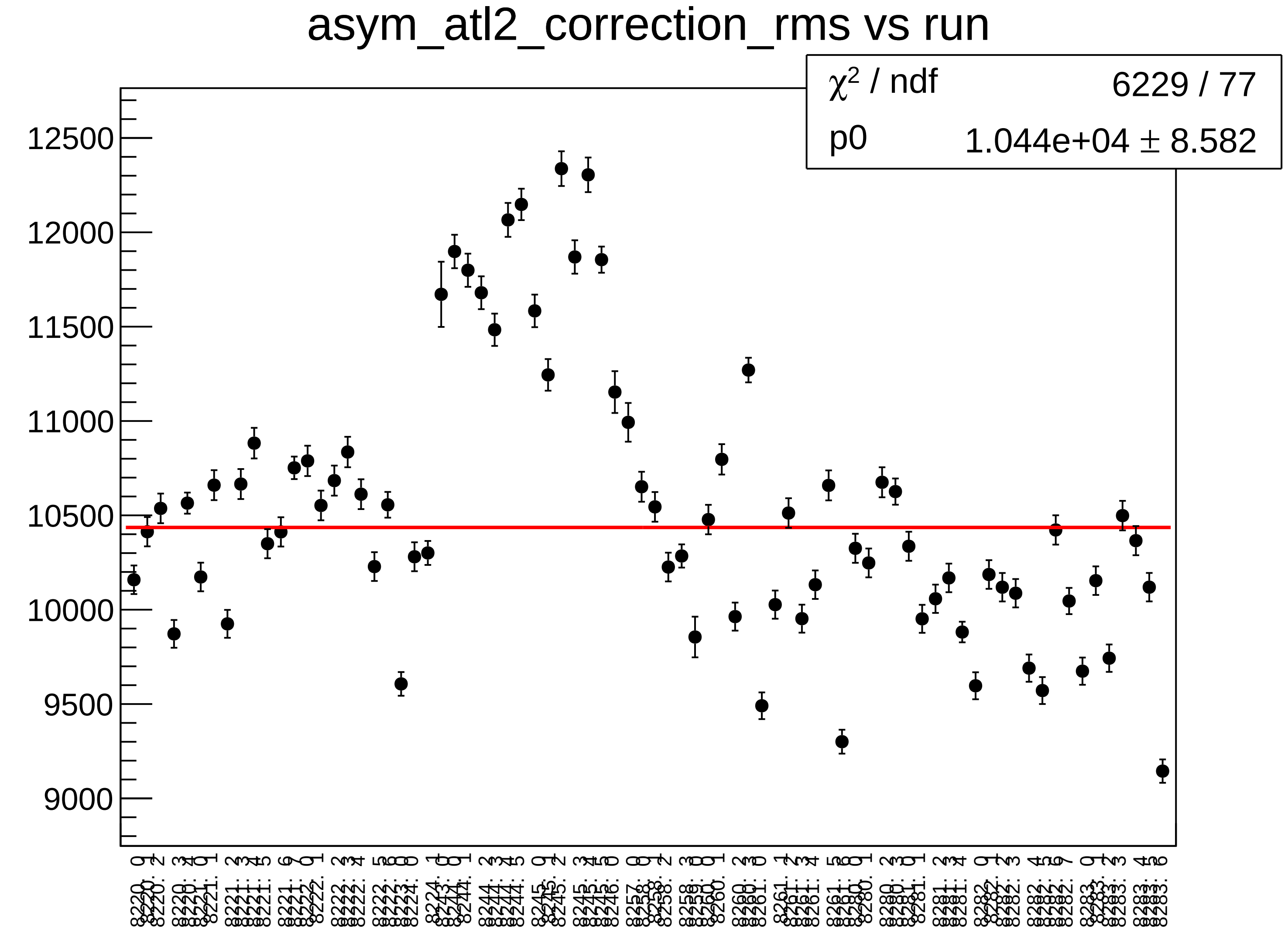


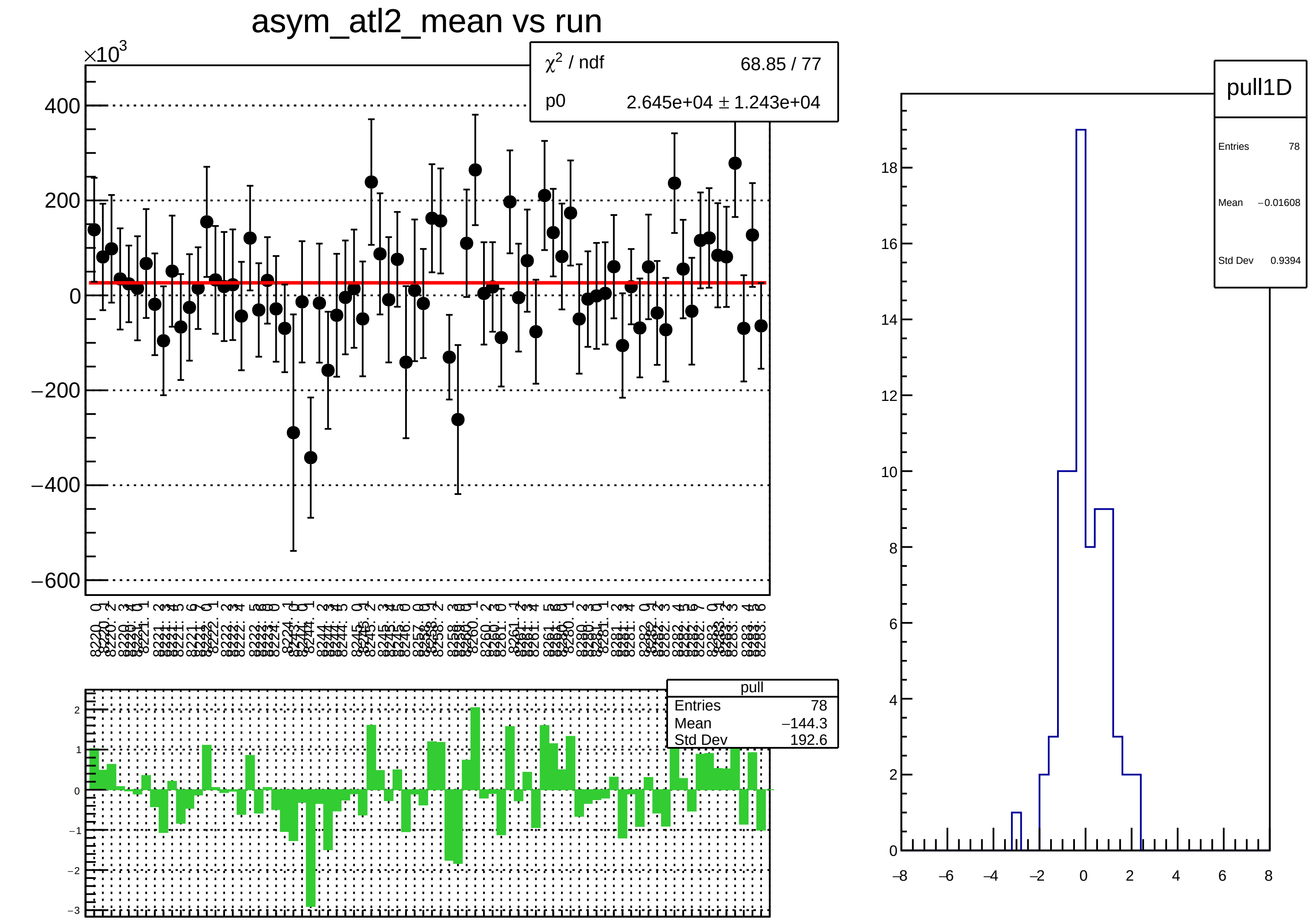
asym_atl1_rms vs run
χ^2 / ndf 1.425e+04 / 77
p0 2515 ± 2.074
10000
9000
8000
7000
6000
5000
4000
3000
2000

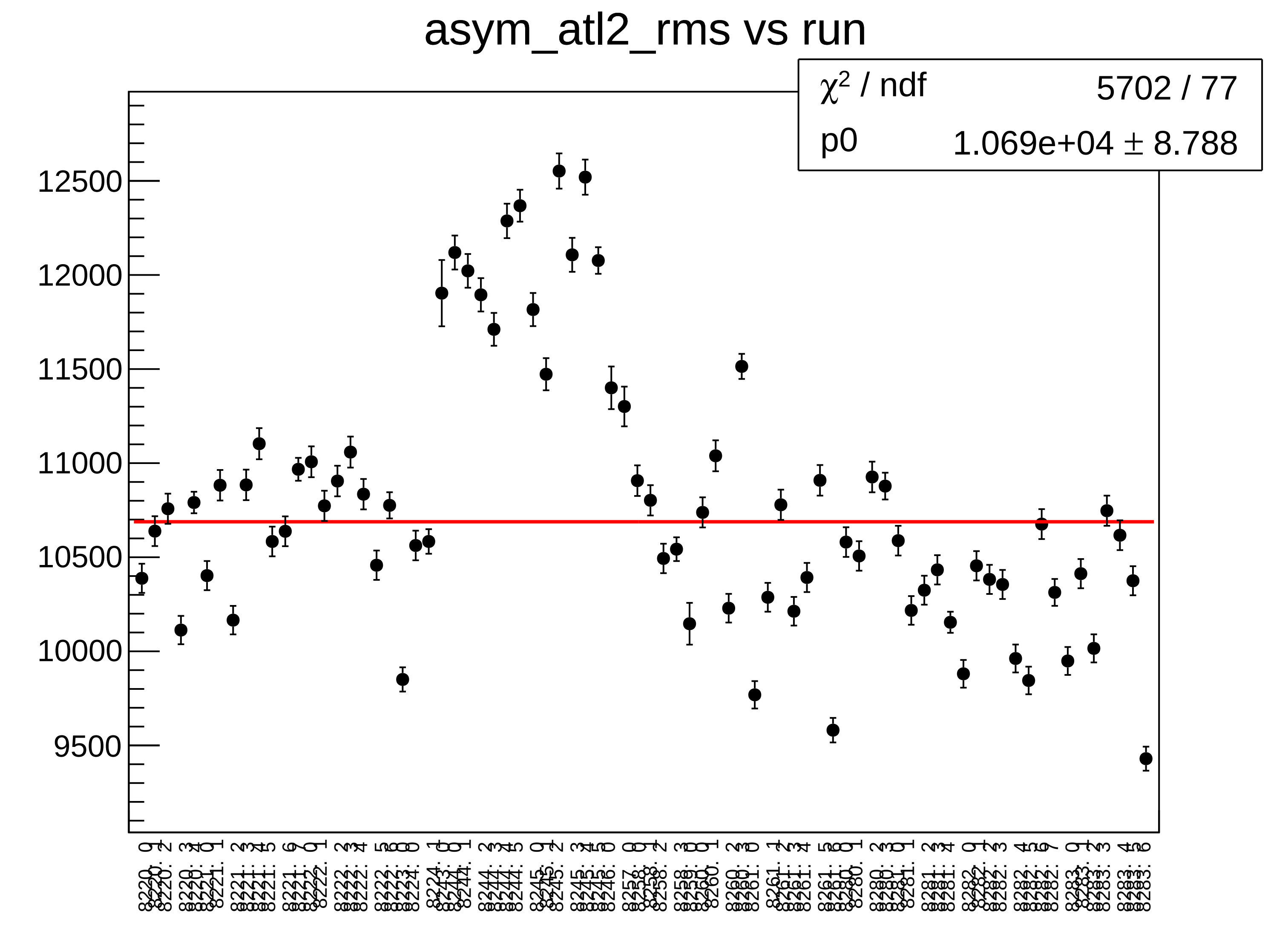

reg_asym_atl2_mean vs run
×10^3
χ^2 / ndf 70.11 / 77
p0 −2189 ± 2650
100
50
0
−50
−100
−150
pull
Entries 78
Mean 265.9
Std Dev 222.7
pull1D
Entries 78
Mean −0.01925
Std Dev 0.9479


reg_asym_atl2_rms vs run
χ^2 / ndf 1648 / 77
p0 2282 ± 1.874
2600
2500
2400
2300
2200

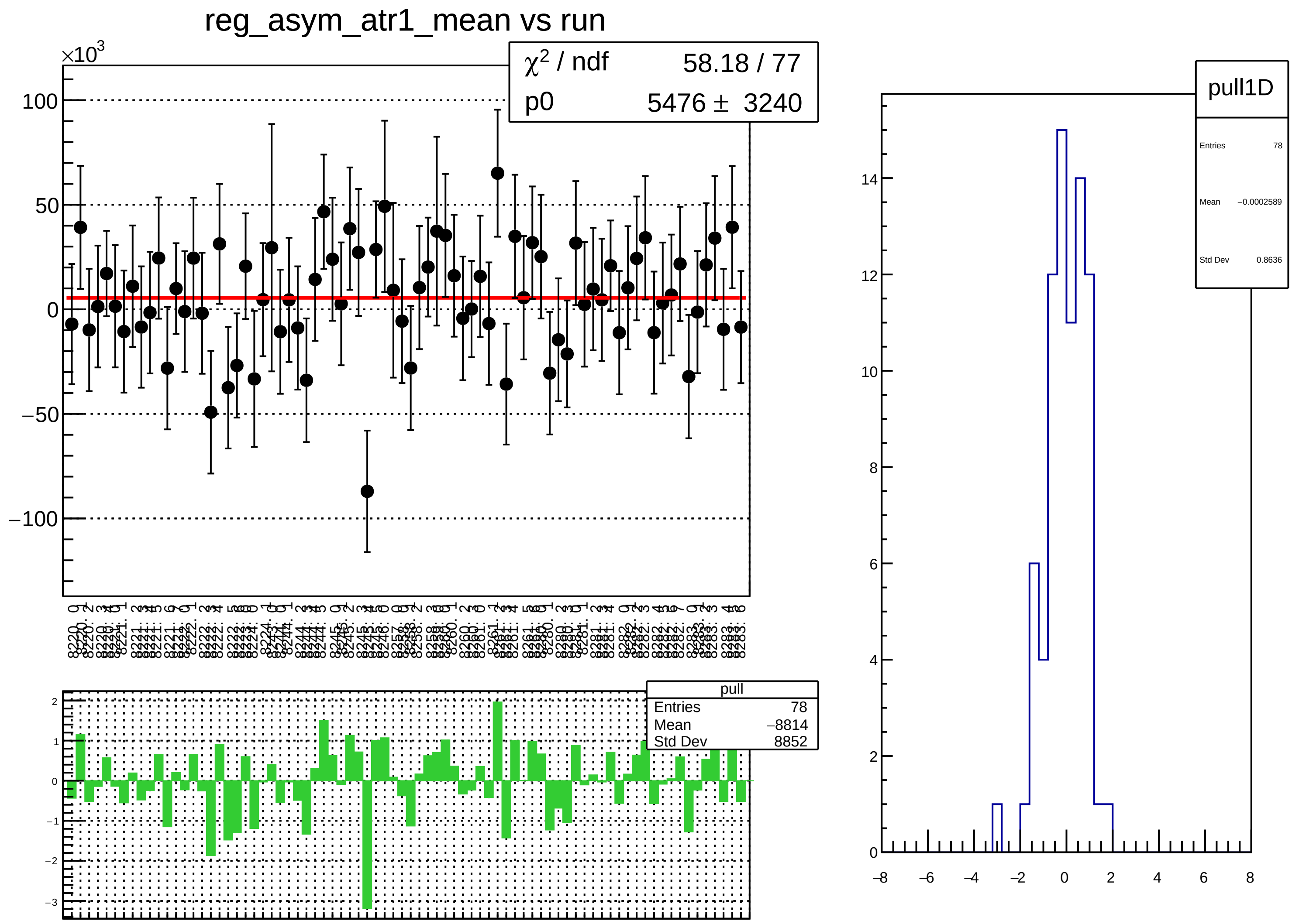

asym_atl2_correction_mean vs run
×10^3
χ2 / ndf 73.06 / 77
p0 −2.941e+04 ± 1.214e+04
400
200
0
−200
−400
pull
Entries 78
Mean −216.4
Std Dev 263.3
3
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01568
Std Dev 0.9677
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_correction_rms vs run
χ^2 / ndf 6229 / 77
p0 1.044e+04 ± 8.582
12500
12000
11500
11000
10500
10000
9500
9000

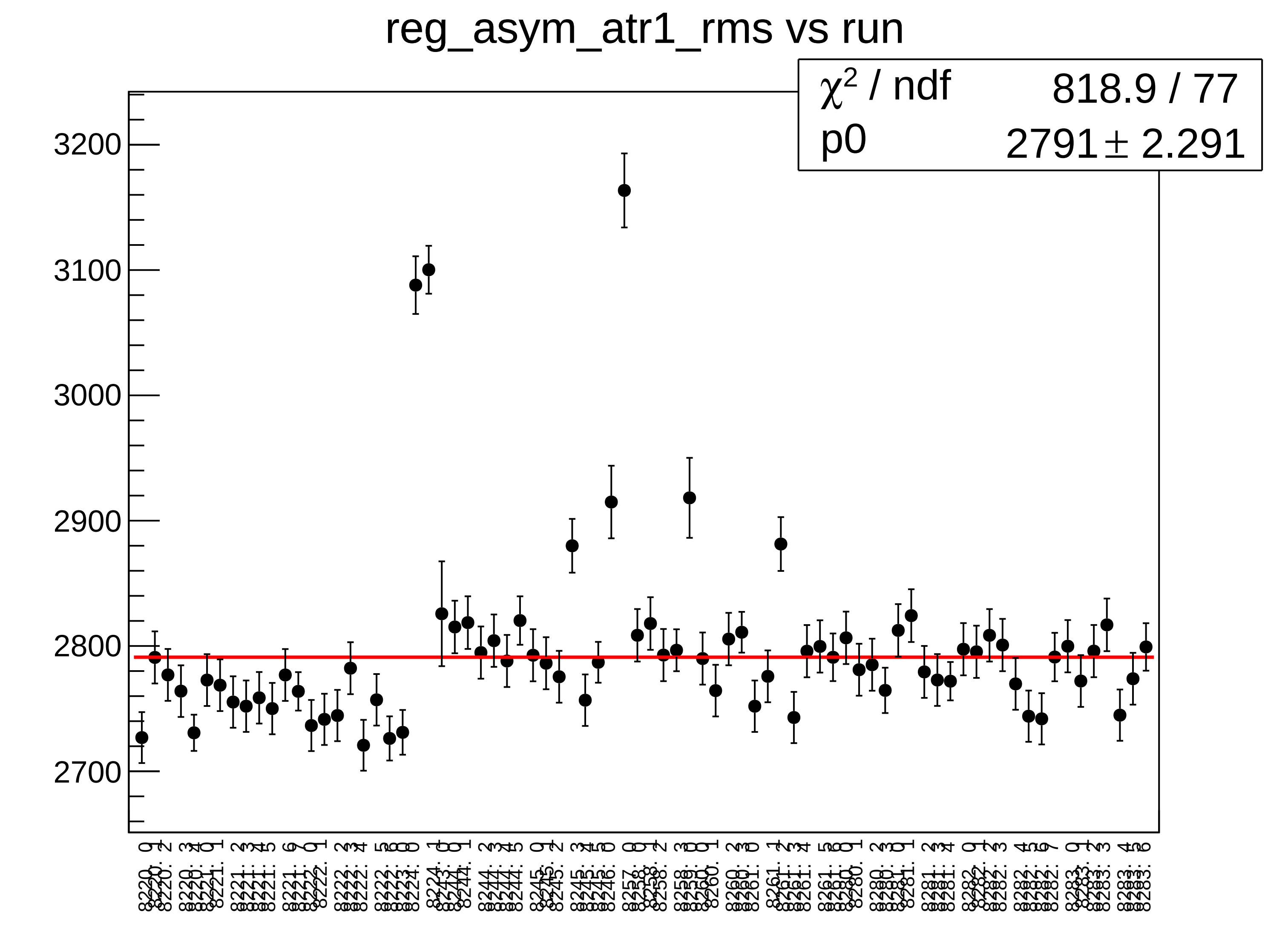

asym_atl2_mean vs run
$\times10^3$
χ^2 / ndf 68.85 / 77
p0 2.645e+04 ± 1.243e+04
400
200
0
−200
−400
−600
pull
Entries 78
Mean −144.3
Std Dev 192.6
pull1D
Entries 78
Mean −0.01608
Std Dev 0.9394

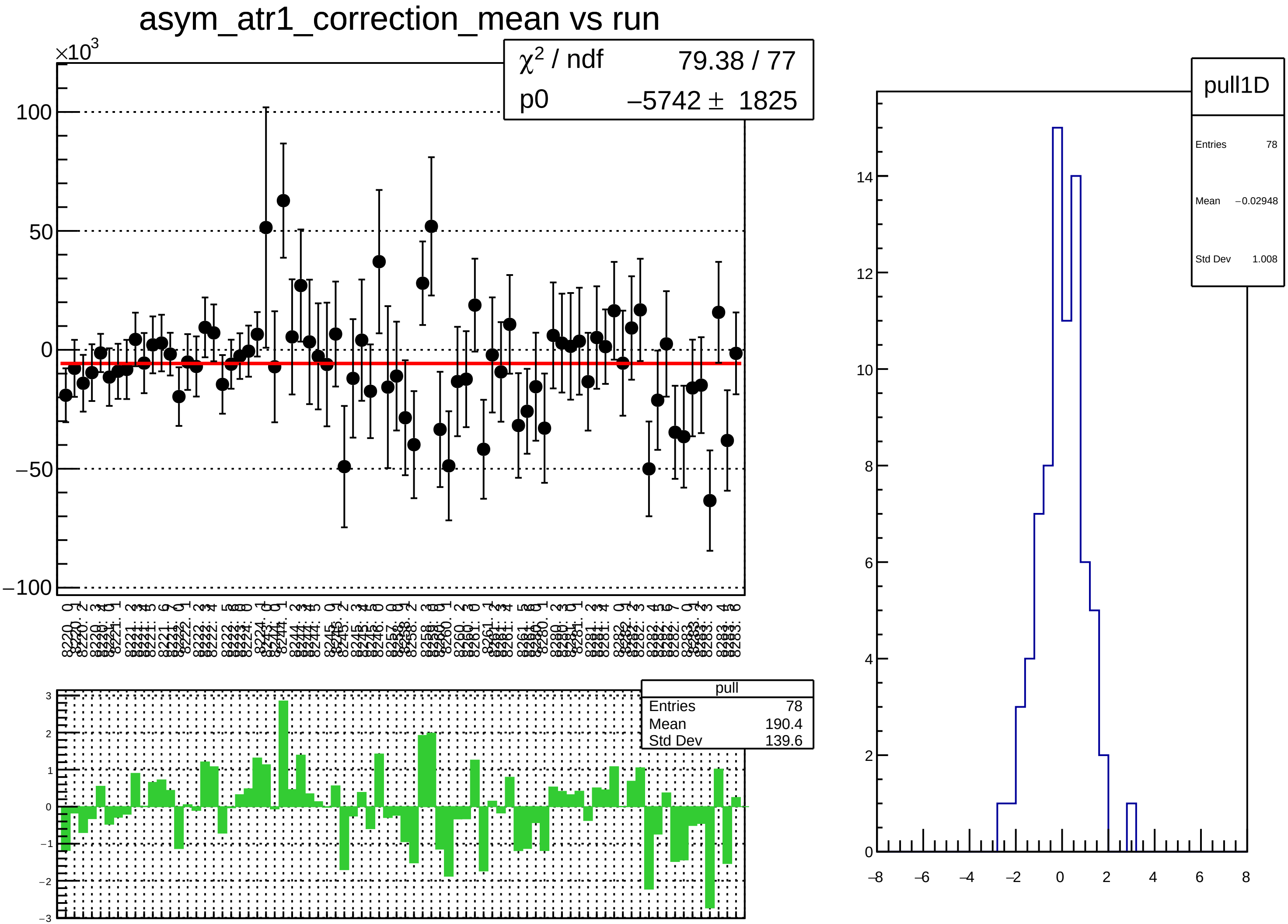


asym_atl2_rms vs run
χ^2 / ndf 5702 / 77
p0 1.069e+04 ± 8.788
12500
12000
11500
11000
10500
10000
9500

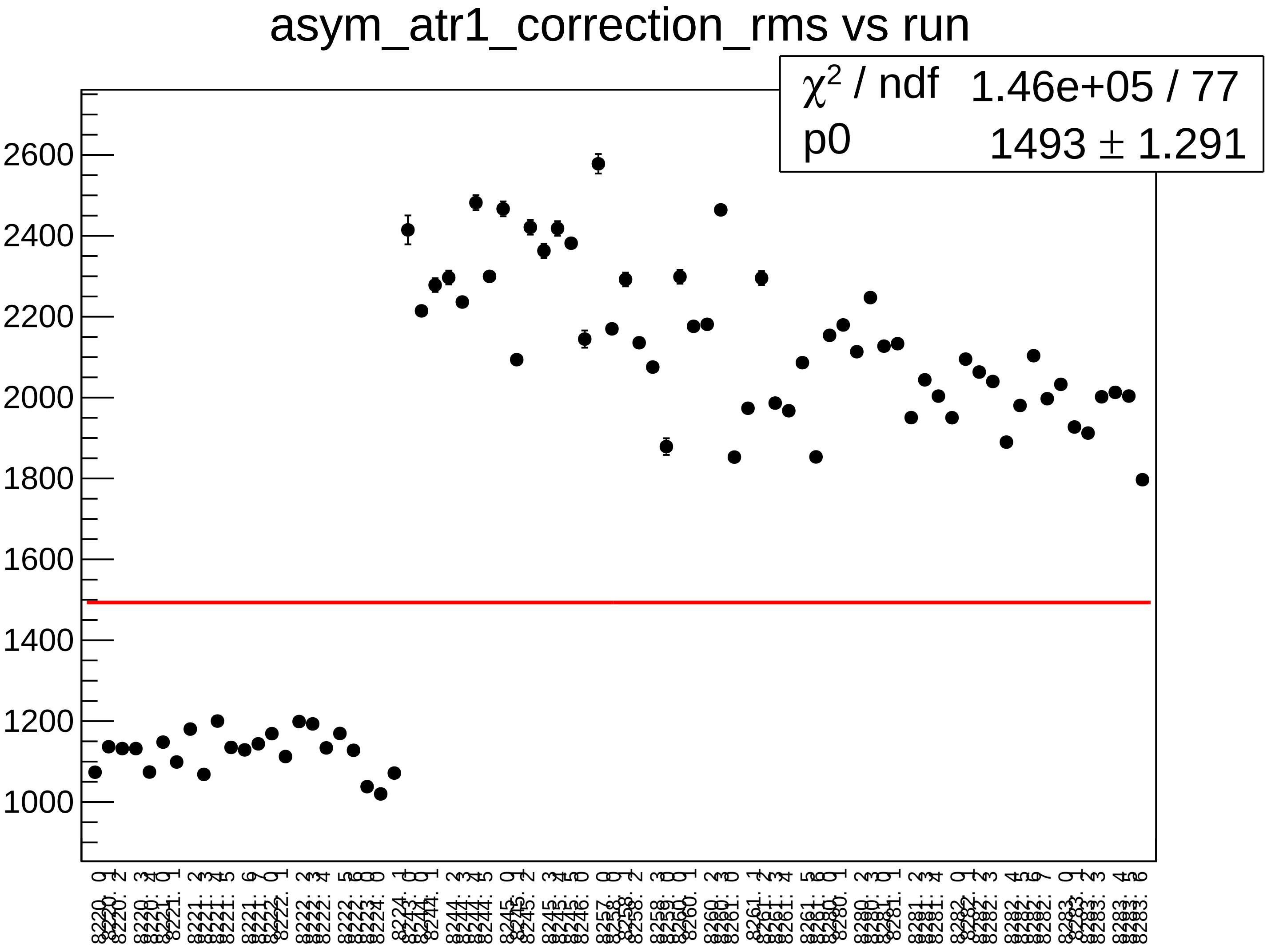


reg_asym_atr1_mean vs run
χ^2 / ndf 58.18 / 77
p0 5476 ± 3240
×10^3
100
50
0
−50
−100
pull
Entries 78
Mean −8814
Std Dev 8852
pull1D
Entries 78
Mean −0.0002589
Std Dev 0.8636

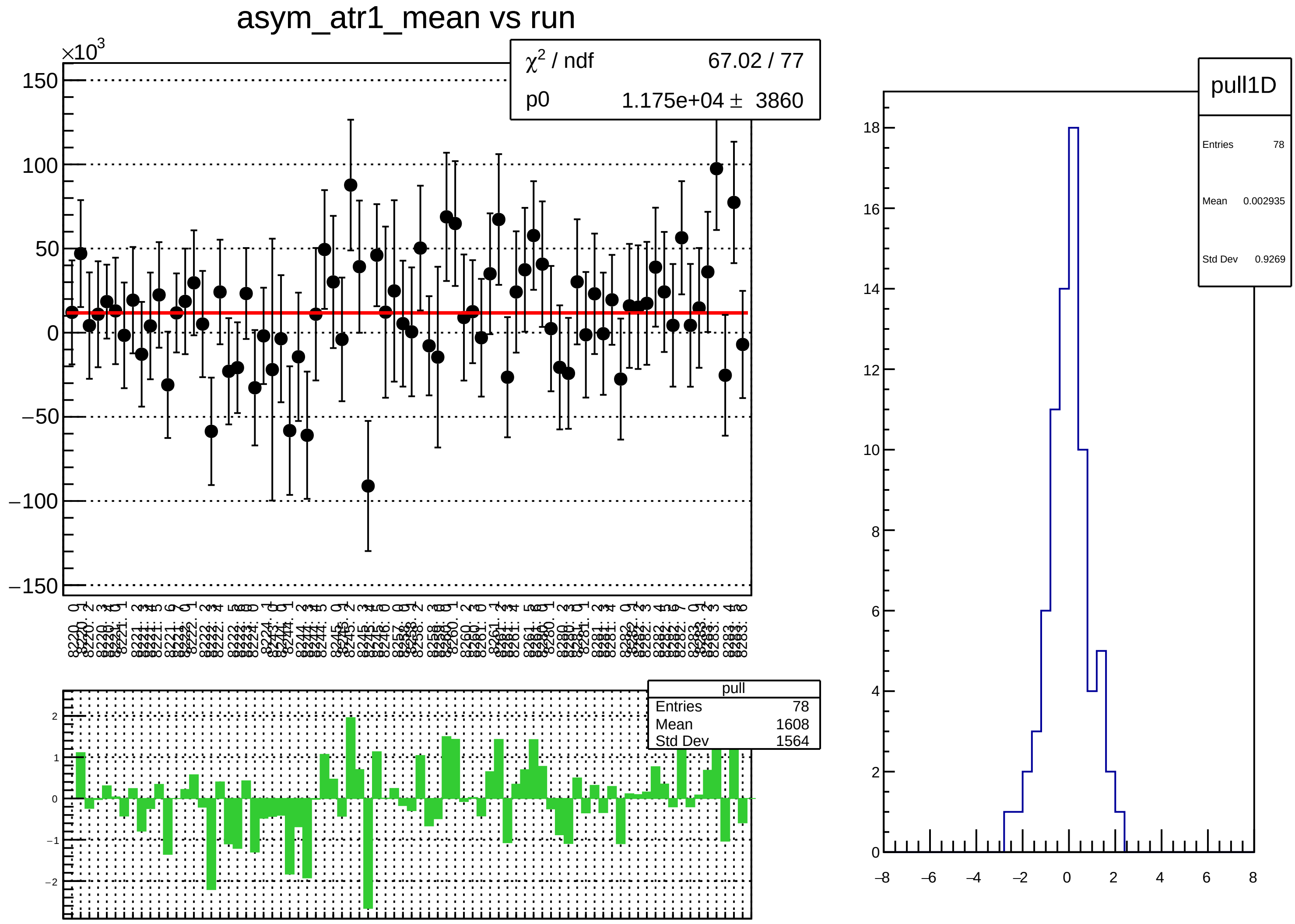

reg_asym_atr1_rms vs run
χ2 / ndf 818.9 / 77
p0 2791 ± 2.291
3200
3100
3000
2900
2800
2700

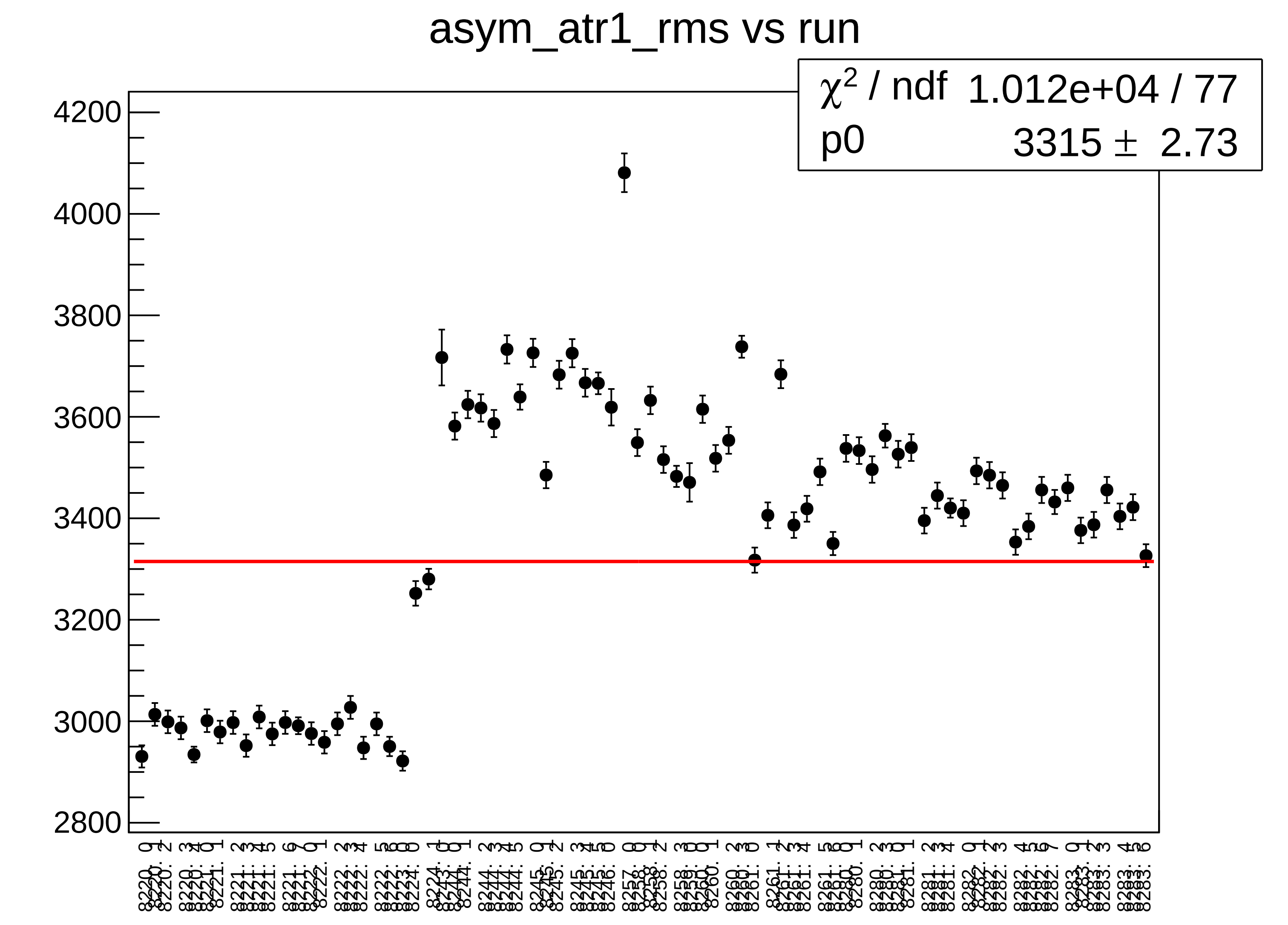


asym_atr1_correction_mean vs run
×10^3
χ2 / ndf 79.38 / 77
p0 −5742 ± 1825
100
50
0
−50
−100
pull
Entries 78
Mean 190.4
Std Dev 139.6
pull1D
Entries 78
Mean −0.02948
Std Dev 1.008

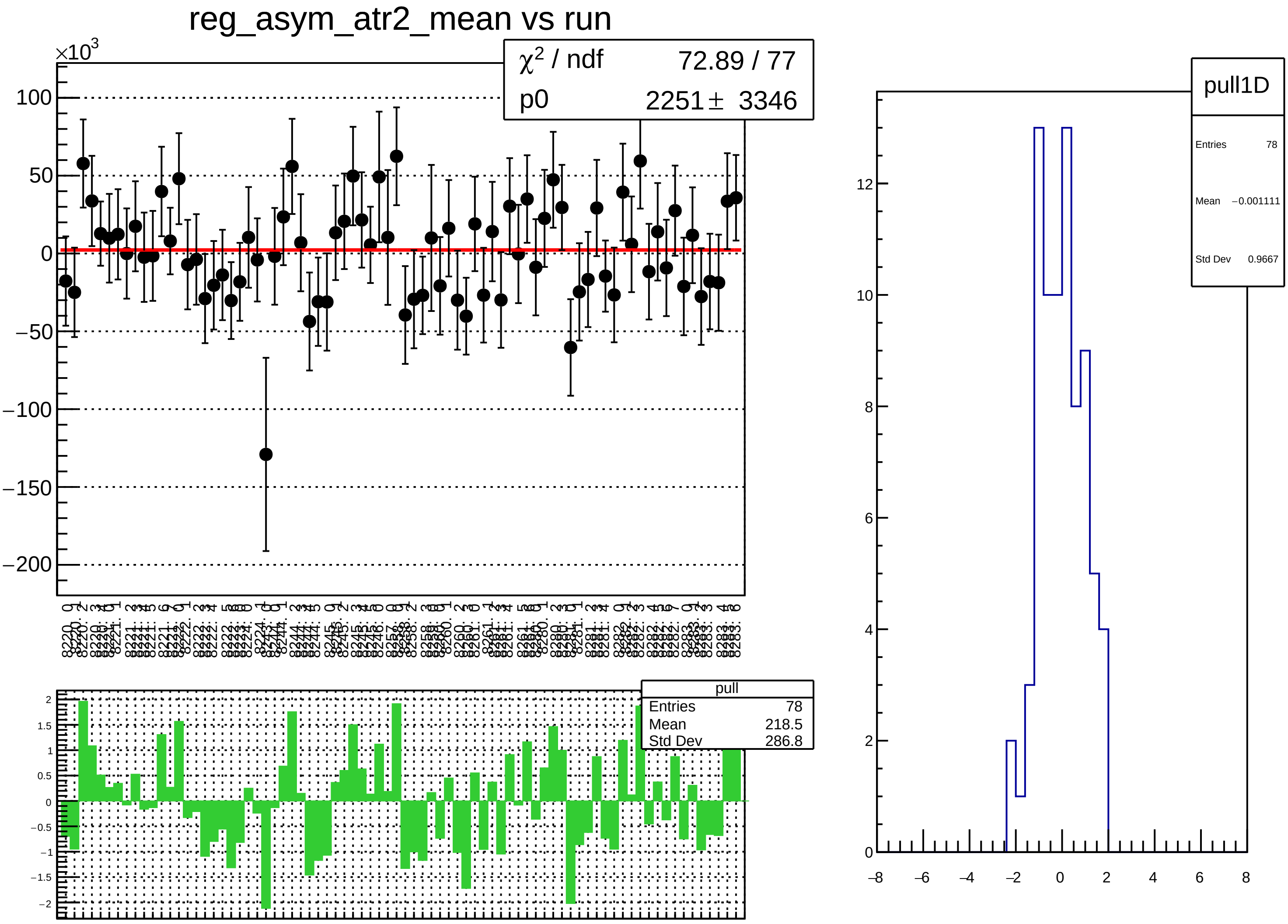


asym_atr1_correction_rms vs run
χ2 / ndf 1.46e+05 / 77
p0 1493 ± 1.291
2600
2400
2200
2000
1800
1600
1400
1200
1000


asym_atr1_mean vs run
$\times10^3$
χ^2 / ndf 67.02 / 77
p0 1.175e+04 ± 3860
pull
Entries 78
Mean 1608
Std Dev 1564
pull1D
Entries 78
Mean 0.002935
Std Dev 0.9269

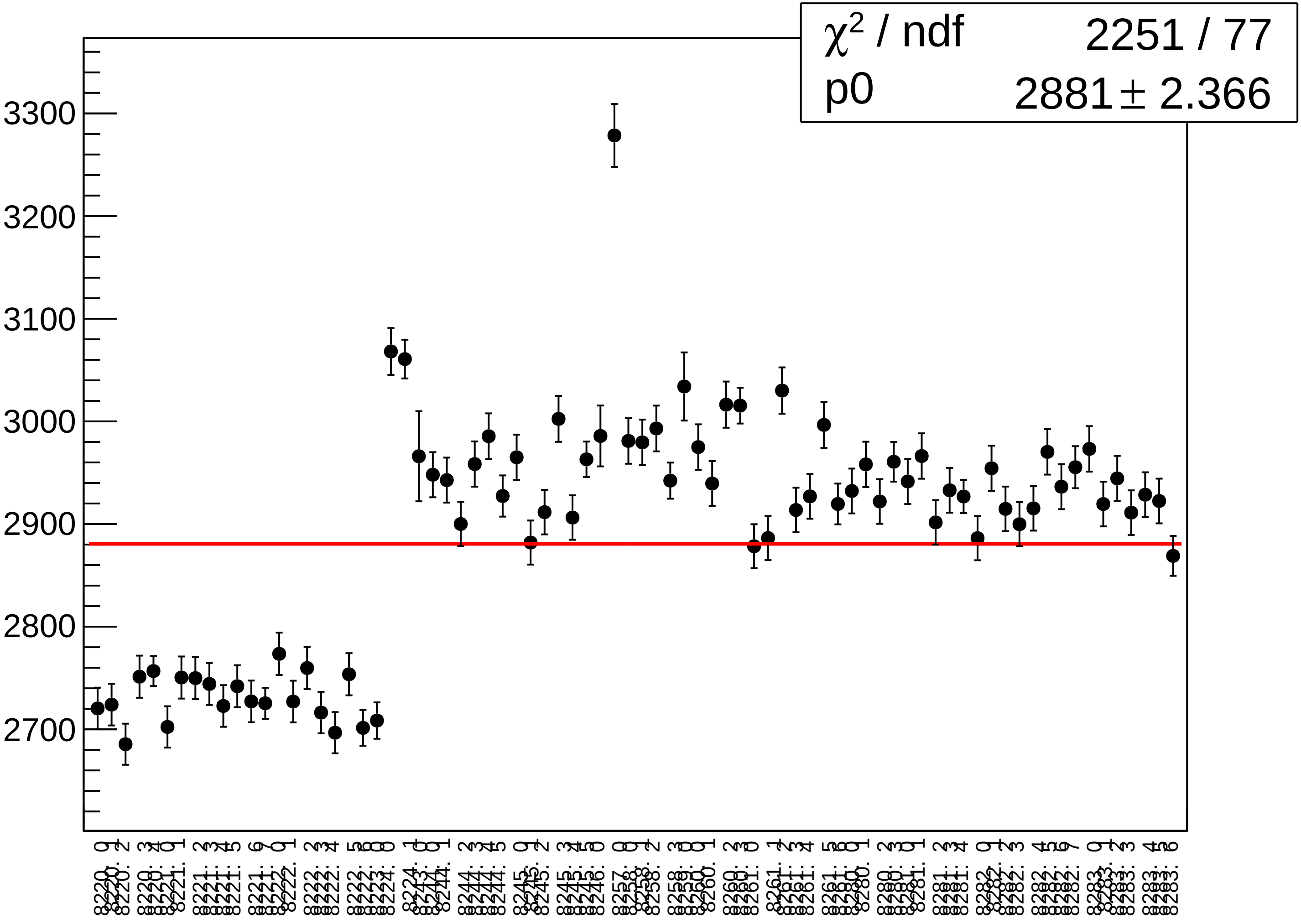


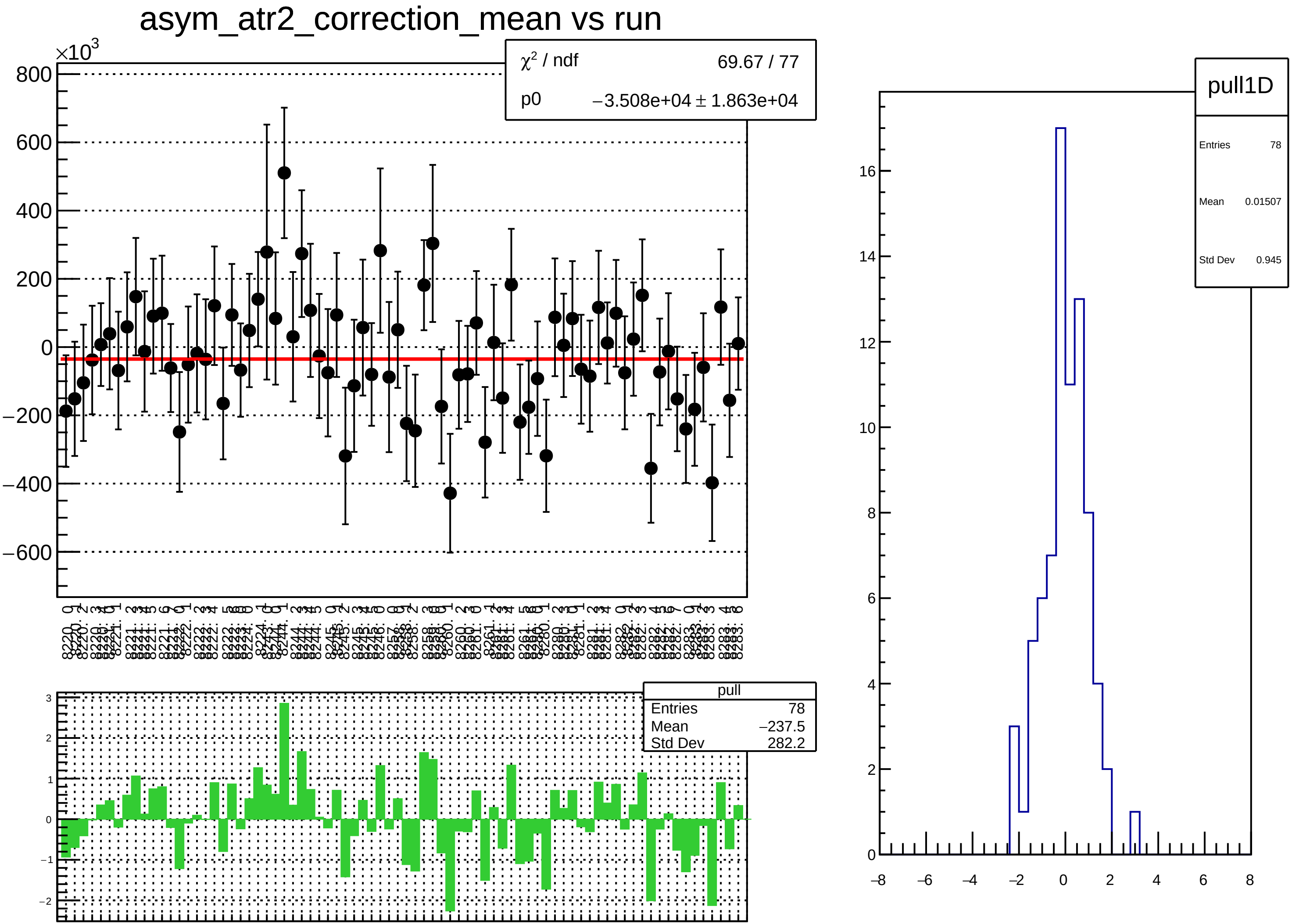
asym_atr1_rms vs run
χ^2 / ndf 1.012e+04 / 77
p0 3315 ± 2.73
4200
4000
3800
3600
3400
3200
3000
2800

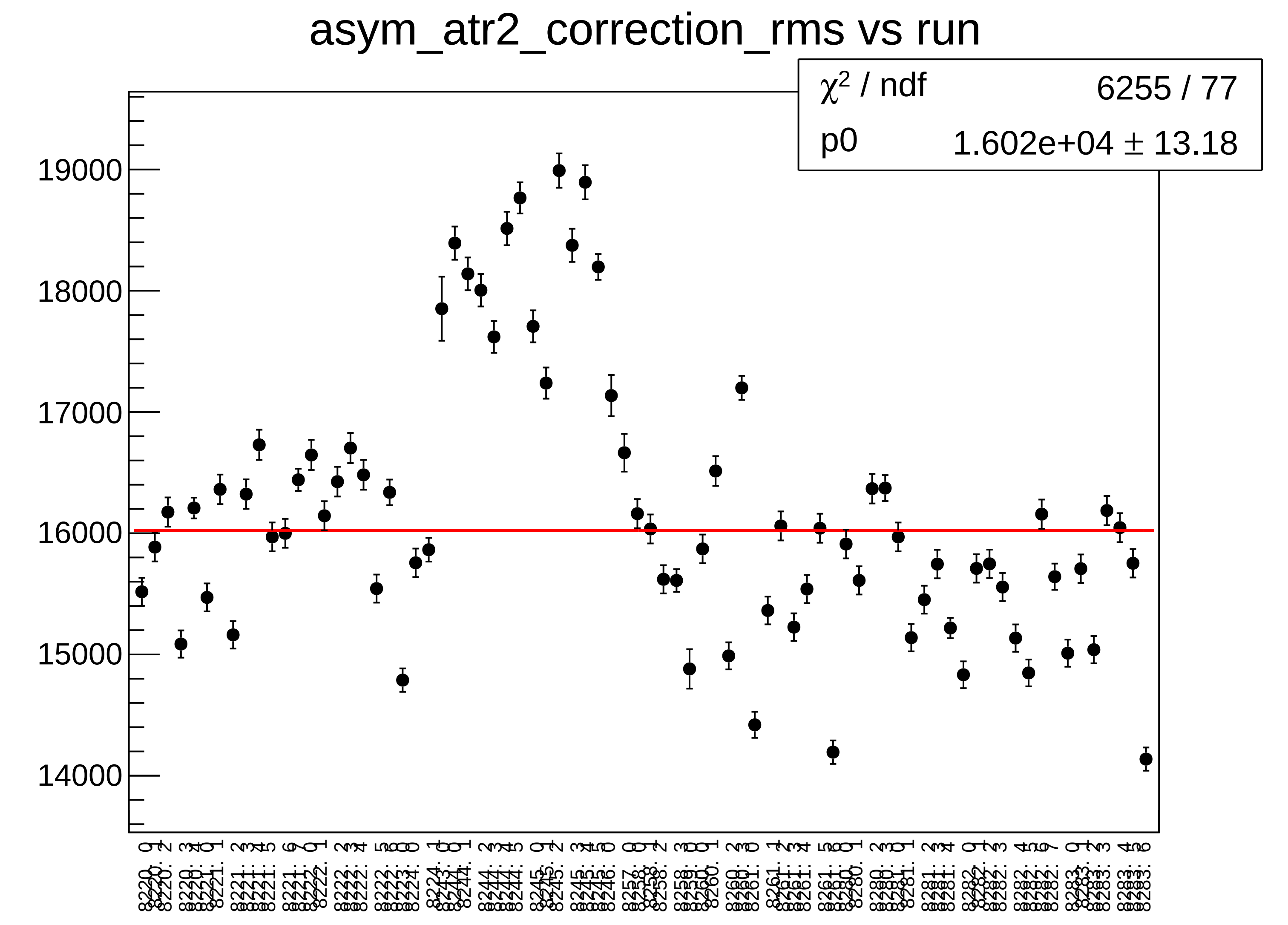


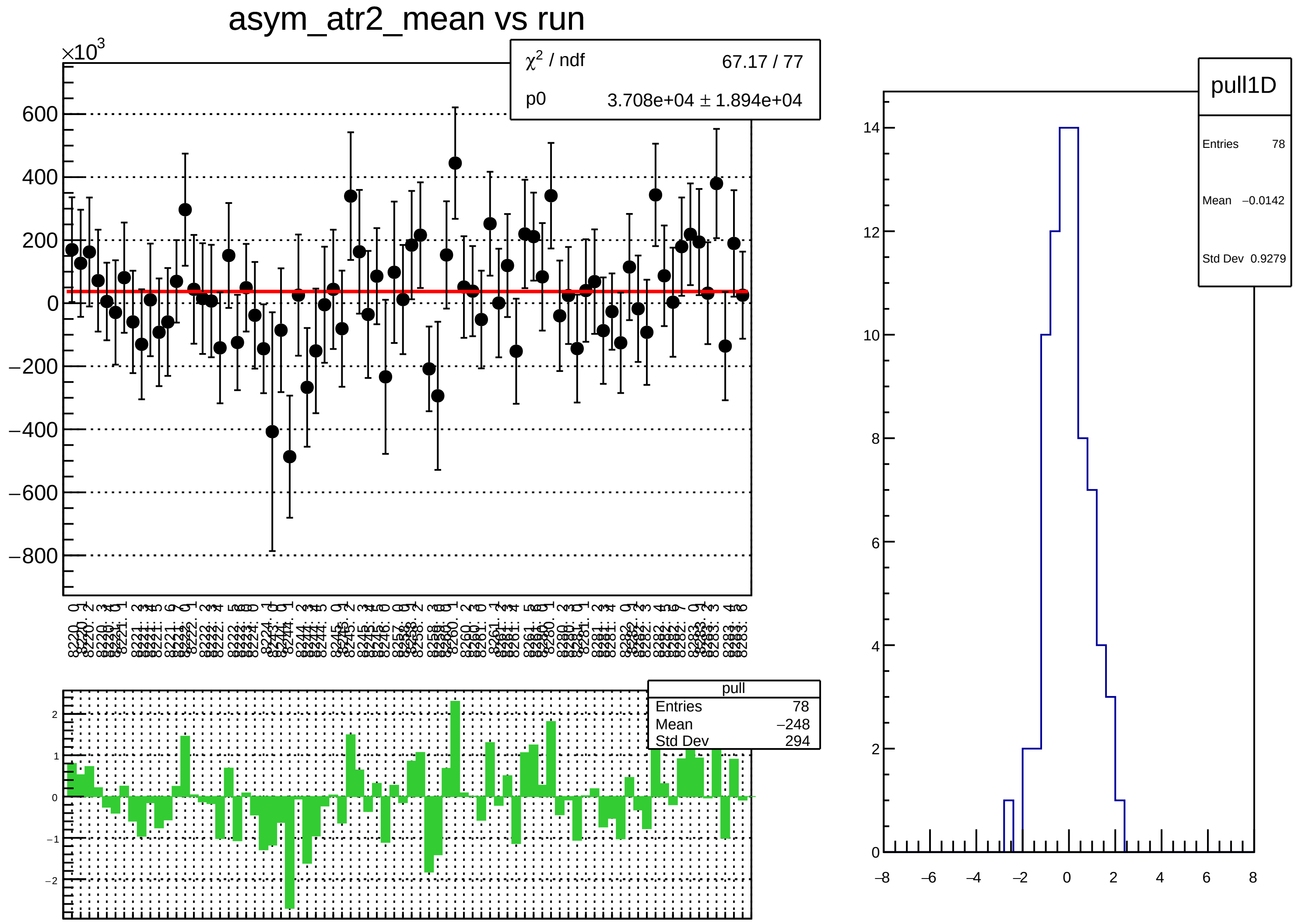
reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 72.89 / 77
p0 2251 ± 3346
pull
Entries 78
Mean 218.5
Std Dev 286.8
pull1D
Entries 78
Mean −0.001111
Std Dev 0.9667

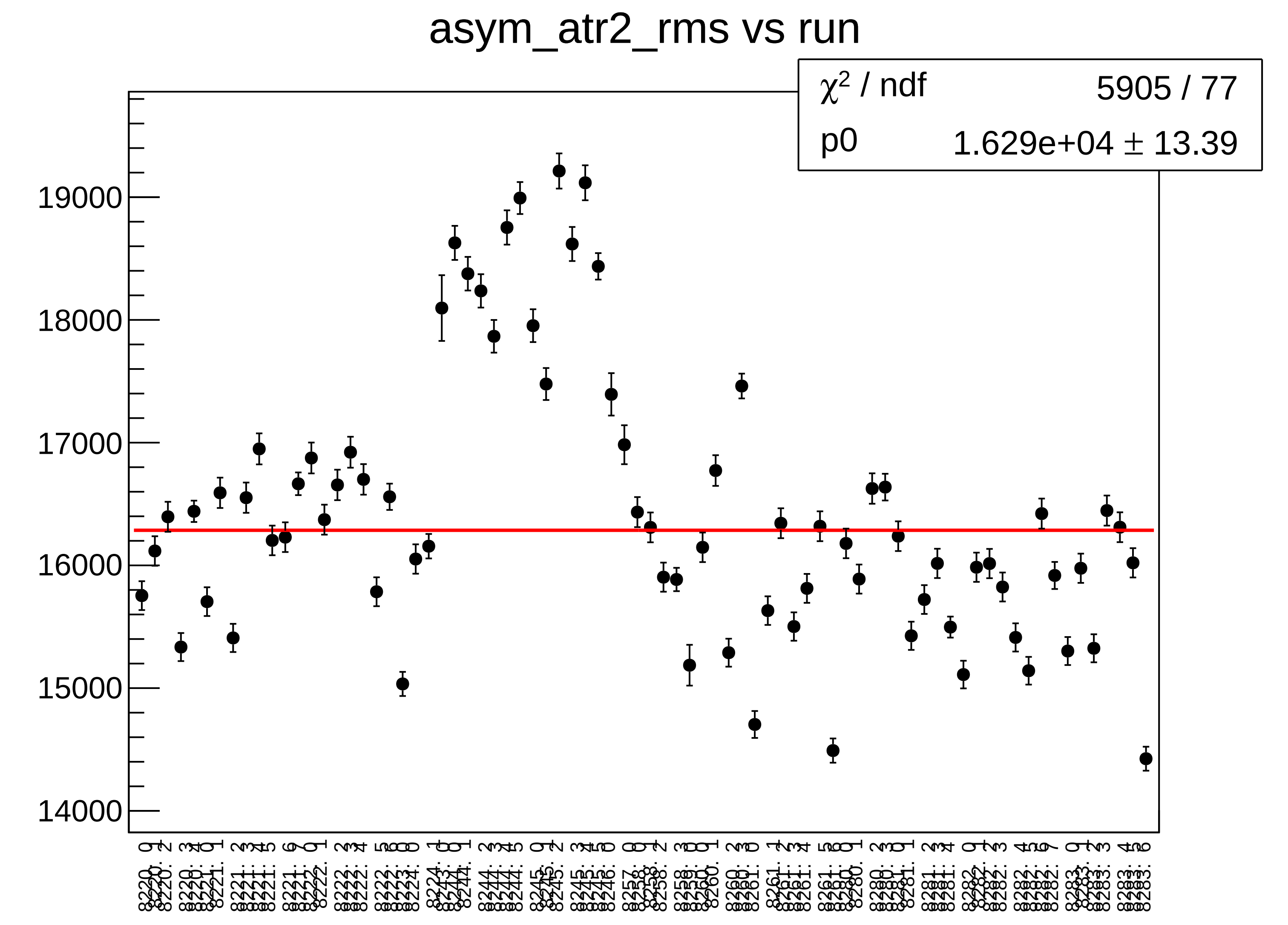
reg_asym_atr2_rms vs run

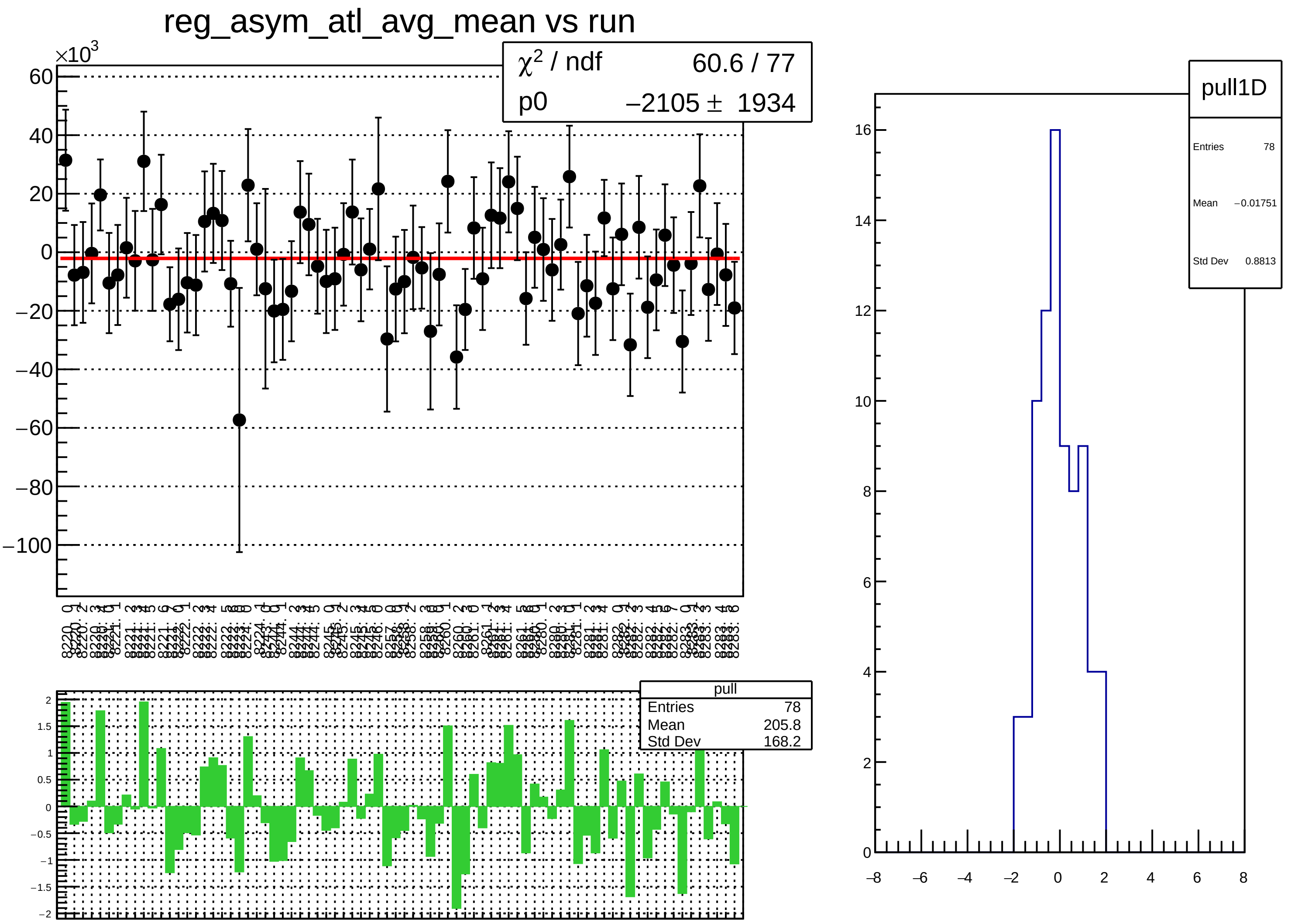



asym_atr2_correction_mean vs run
×10^3
800
600
400
200
0
−200
−400
−600
χ2 / ndf 69.67 / 77
p0 −3.508e+04 ± 1.863e+04
pull
Entries 78
Mean −237.5
Std Dev 282.2
3
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01507
Std Dev 0.945
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

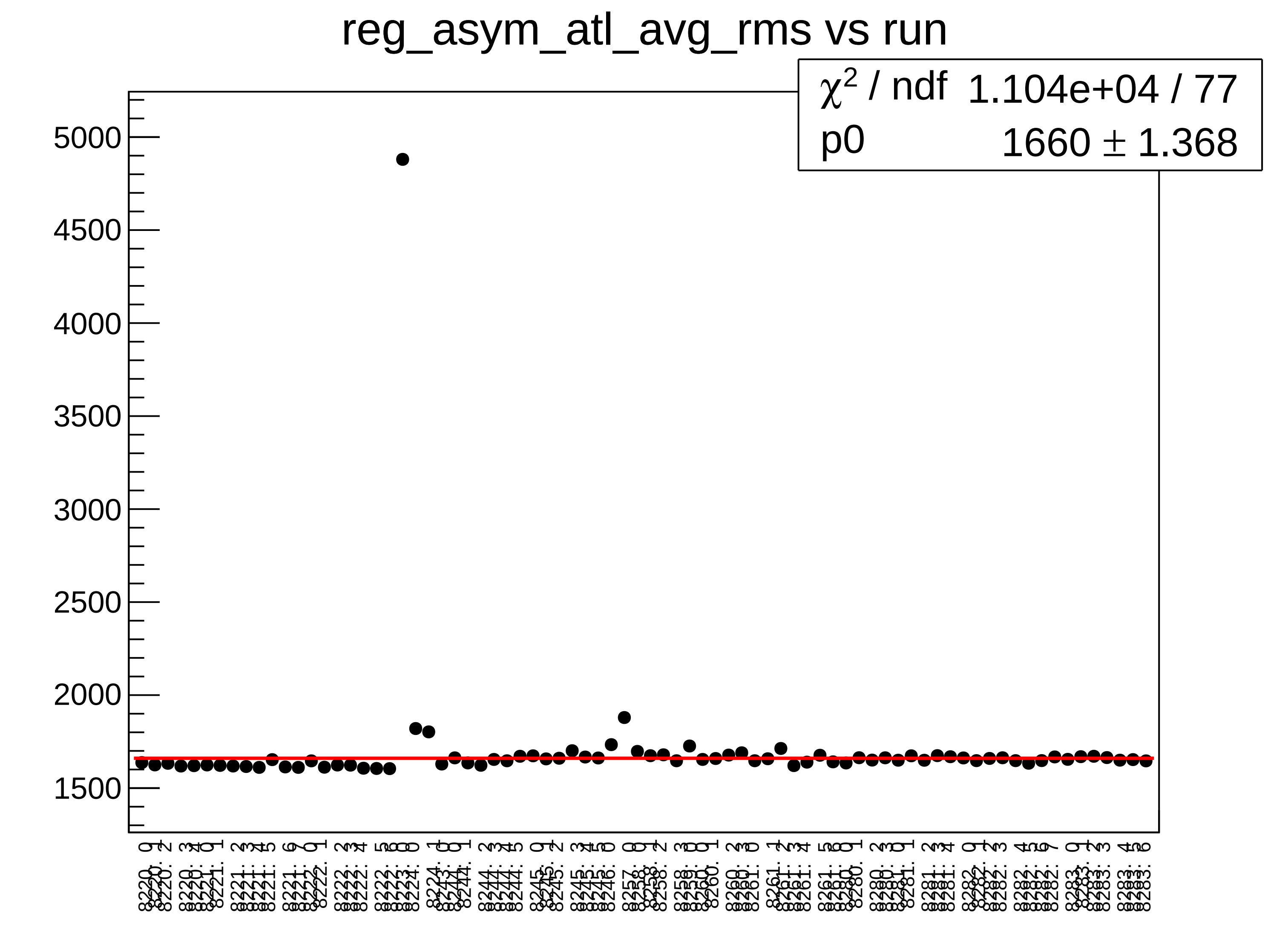

asym_atr2_correction_rms vs run
χ2 / ndf
6255 / 77
p0
1.602e+04 ± 13.18
19000
18000
17000
16000
15000
14000

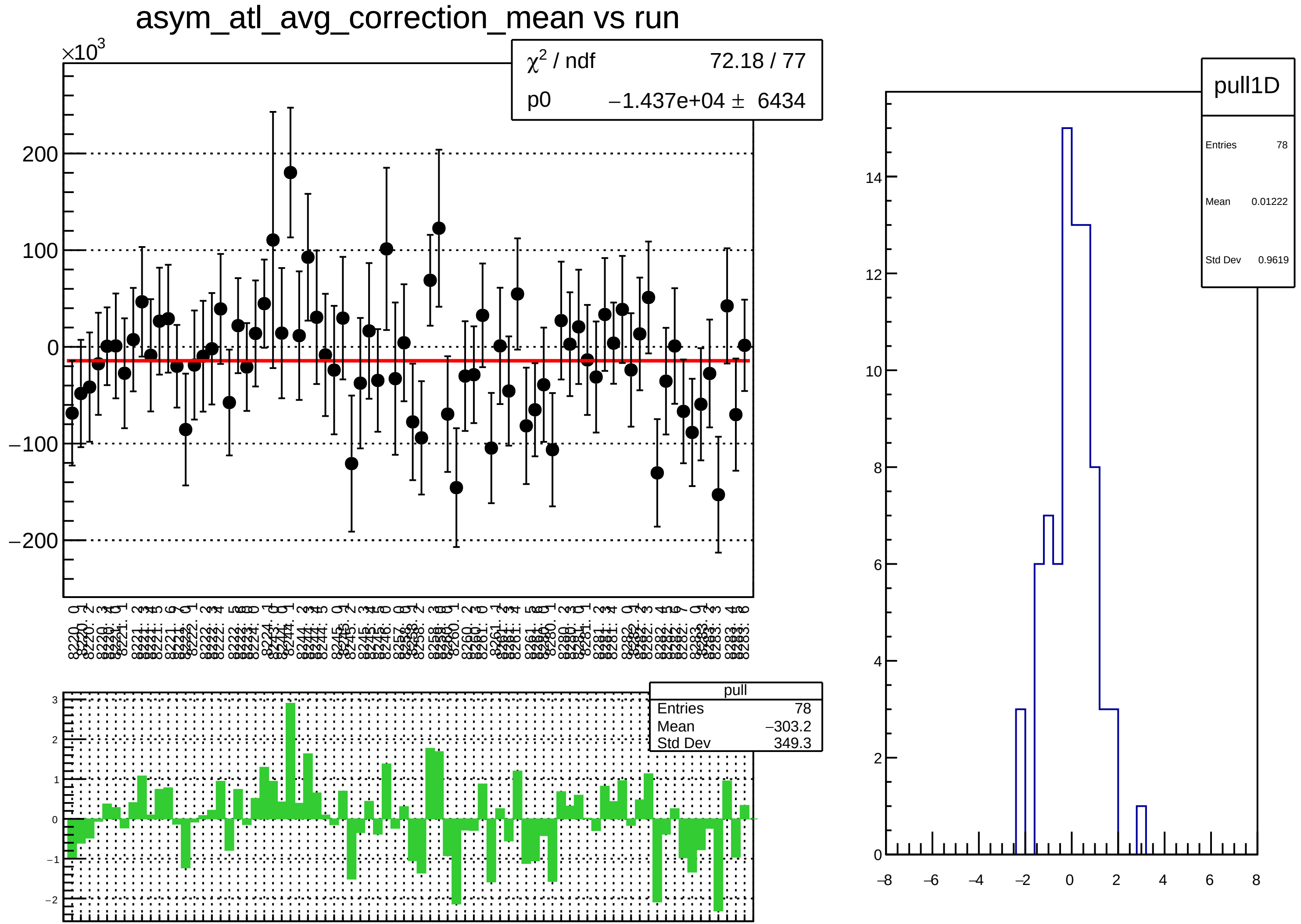

asym_atr2_mean vs run
×10^3
χ2 / ndf 67.17 / 77
p0 3.708e+04 ± 1.894e+04
pull
Entries 78
Mean −248
Std Dev 294
pull1D
Entries 78
Mean −0.0142
Std Dev 0.9279


asym_atr2_rms vs run
χ2 / ndf
5905 / 77
p0
1.629e+04 ± 13.39
19000
18000
17000
16000
15000
14000

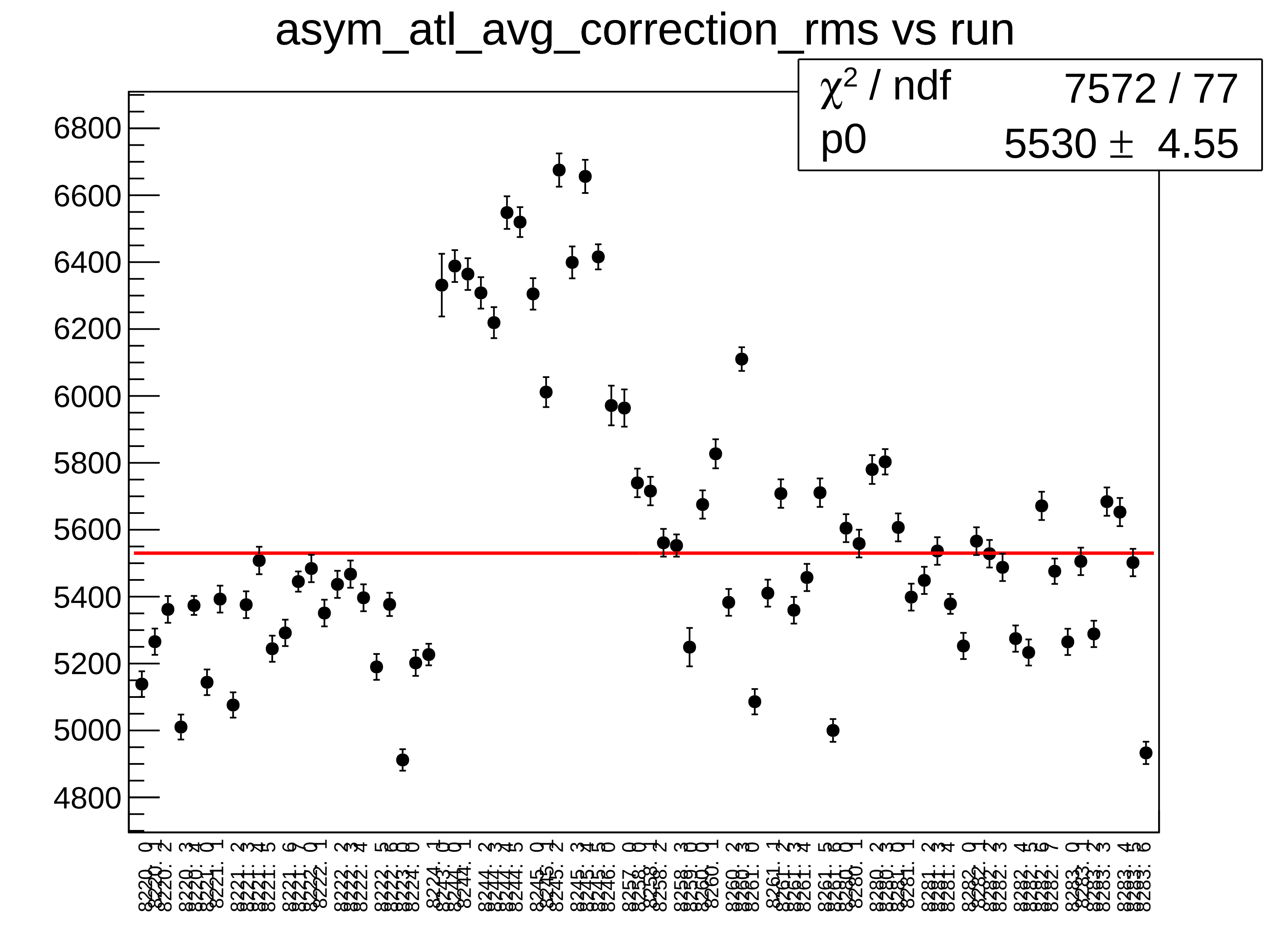


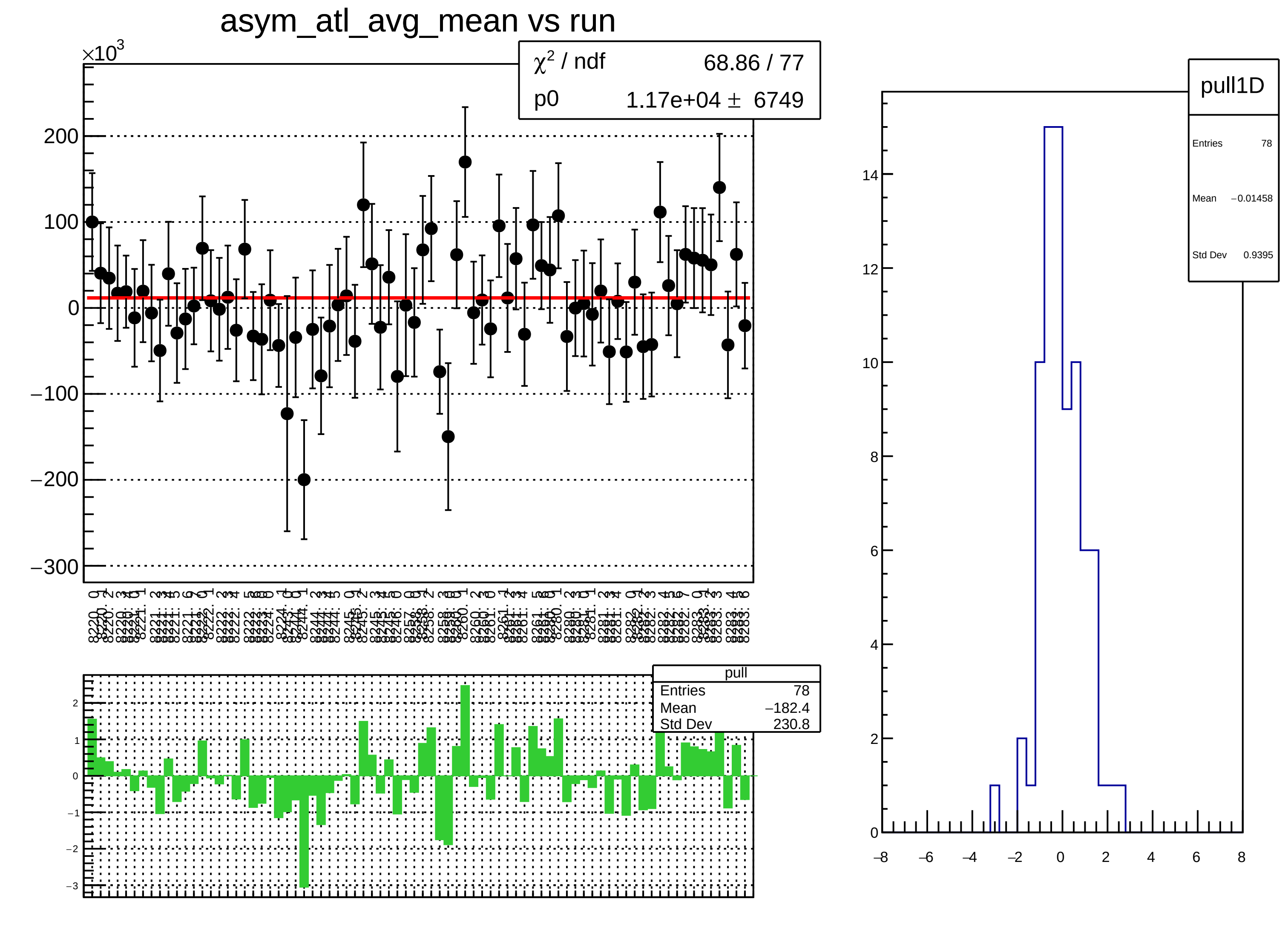
reg_asym_atl_avg_mean vs run
χ^2 / ndf 60.6 / 77
p0 −2105 ± 1934
pull
Entries 78
Mean 205.8
Std Dev 168.2
pull1D
Entries 78
Mean −0.01751
Std Dev 0.8813


reg_asym_atl_avg_rms vs run
χ2 / ndf 1.104e+04 / 77
p0 1660 ± 1.368
5000
4500
4000
3500
3000
2500
2000
1500

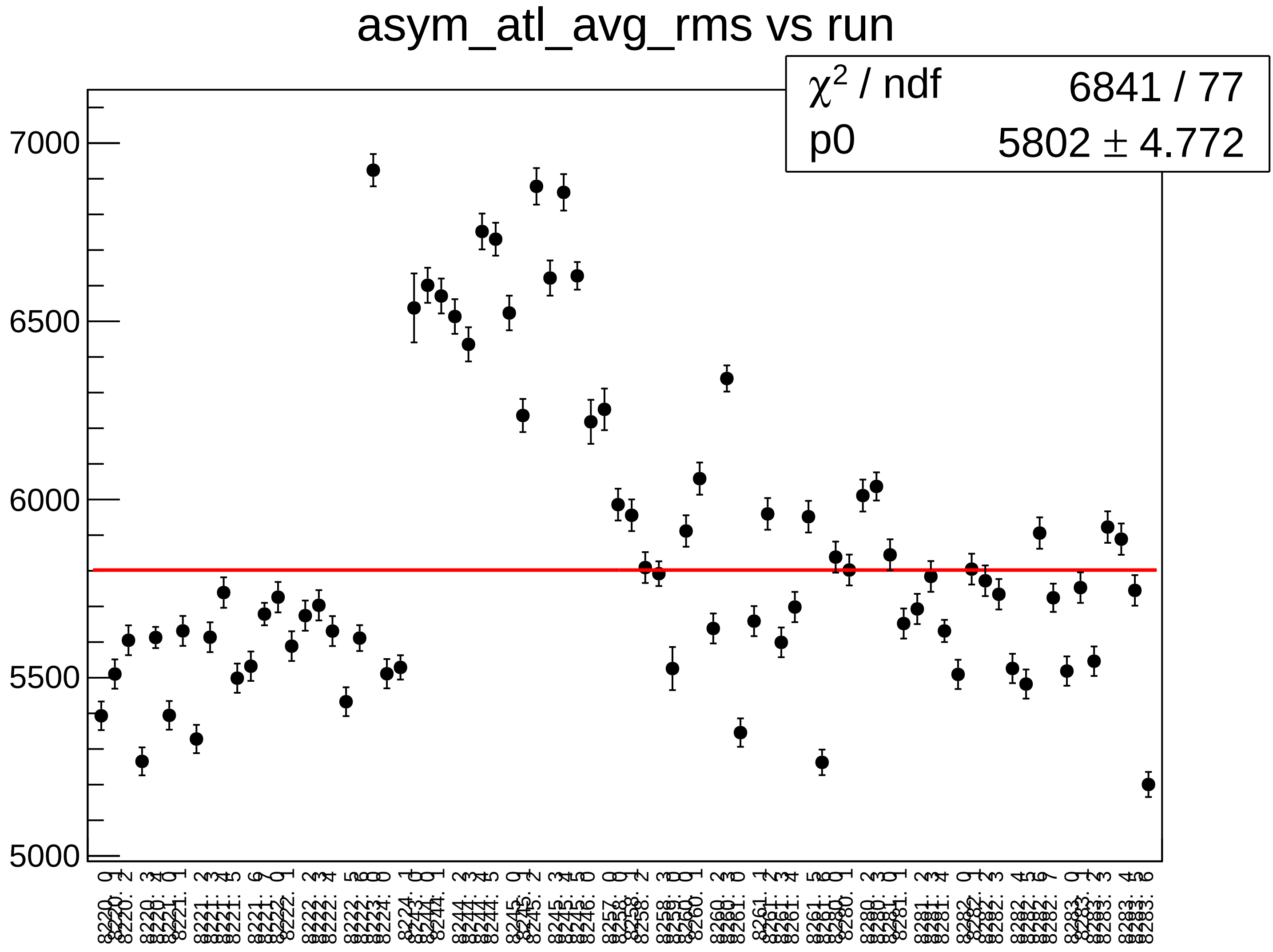


asym_atl_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 72.18 / 77
p0 −1.437e+04 ± 6434
pull
Entries 78
Mean −303.2
Std Dev 349.3
pull1D
Entries 78
Mean 0.01222
Std Dev 0.9619

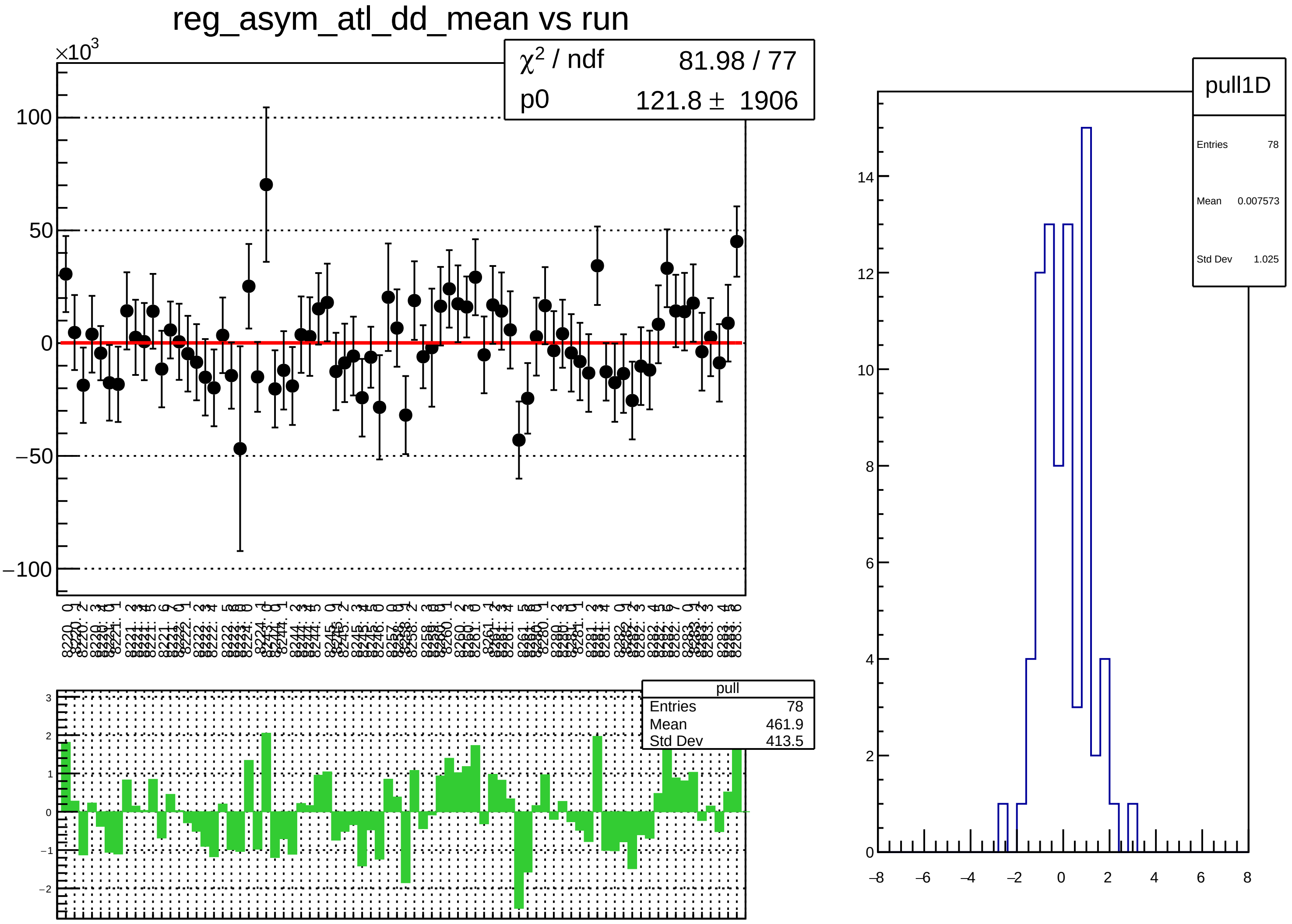

asym_atl_avg_correction_rms vs run
χ^2 / ndf 7572 / 77
p0 5530 ± 4.55
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800



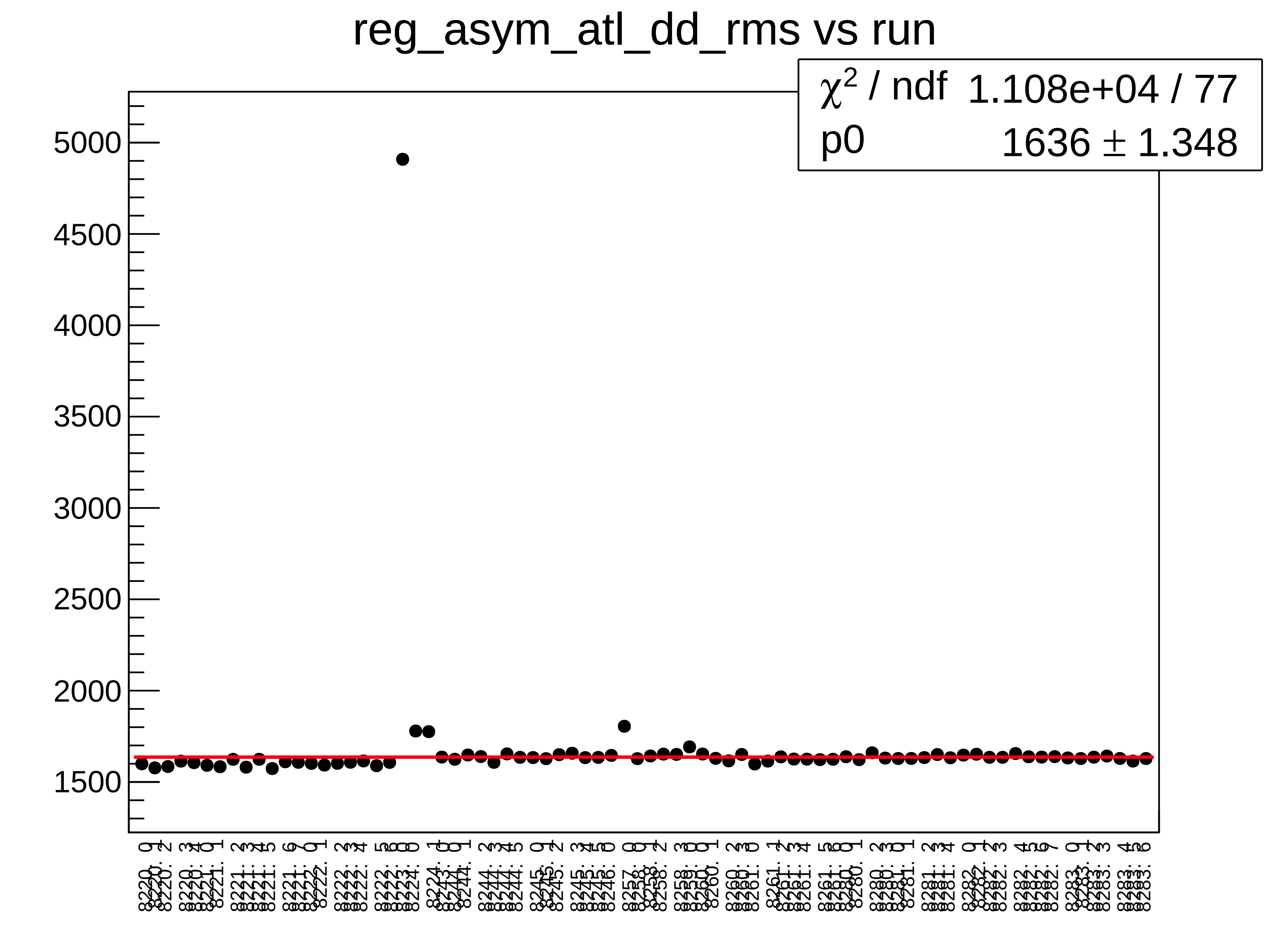
asym_atl_avg_mean vs run
$\times 10^3$
χ^2 / ndf 68.86 / 77
p0 1.17e+04 ± 6749
200
100
0
−100
−200
−300
pull
Entries 78
Mean −182.4
Std Dev 230.8
2
1
0
−1
−2
−3
pull1D
Entries 78
Mean −0.01458
Std Dev 0.9395
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

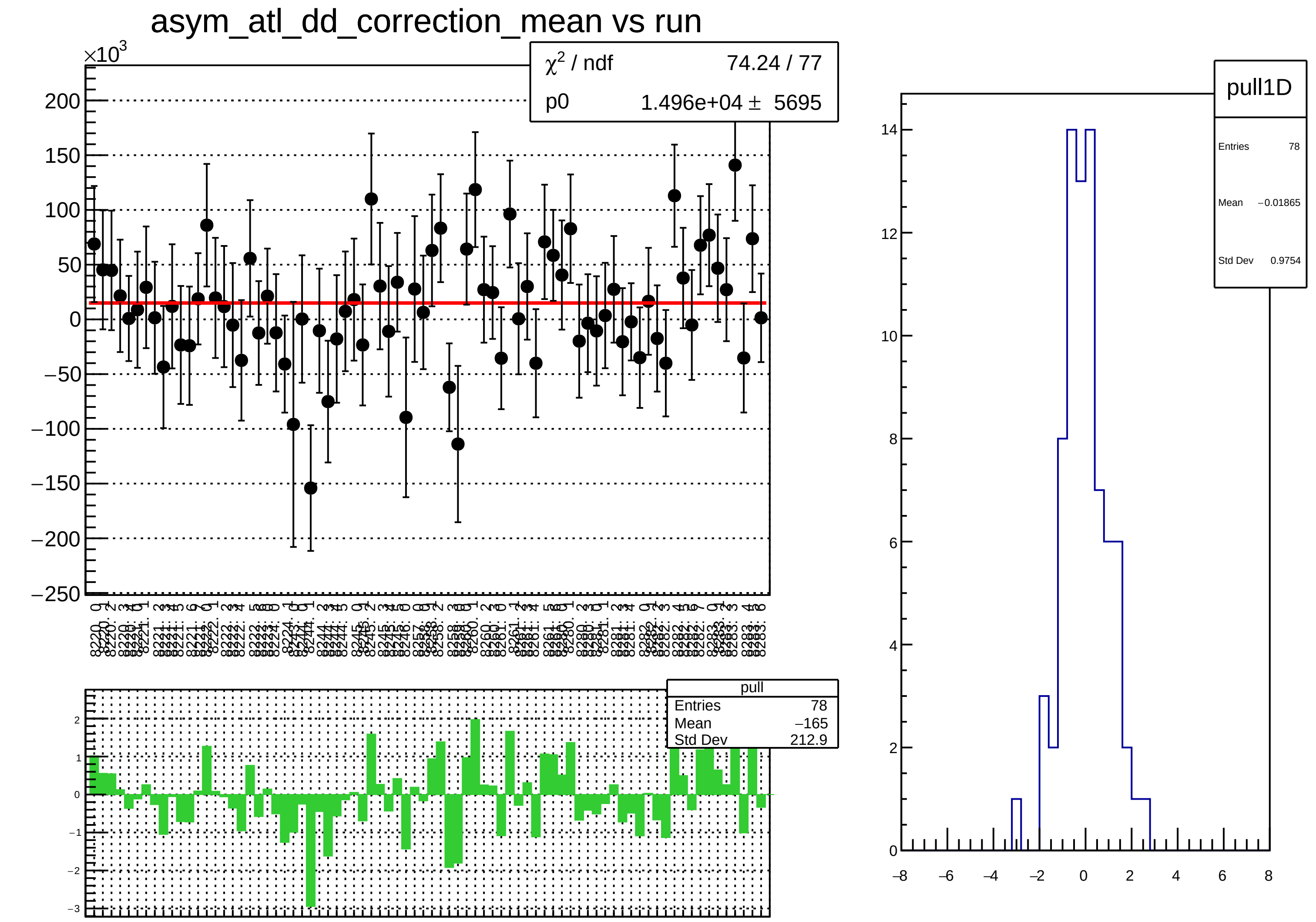


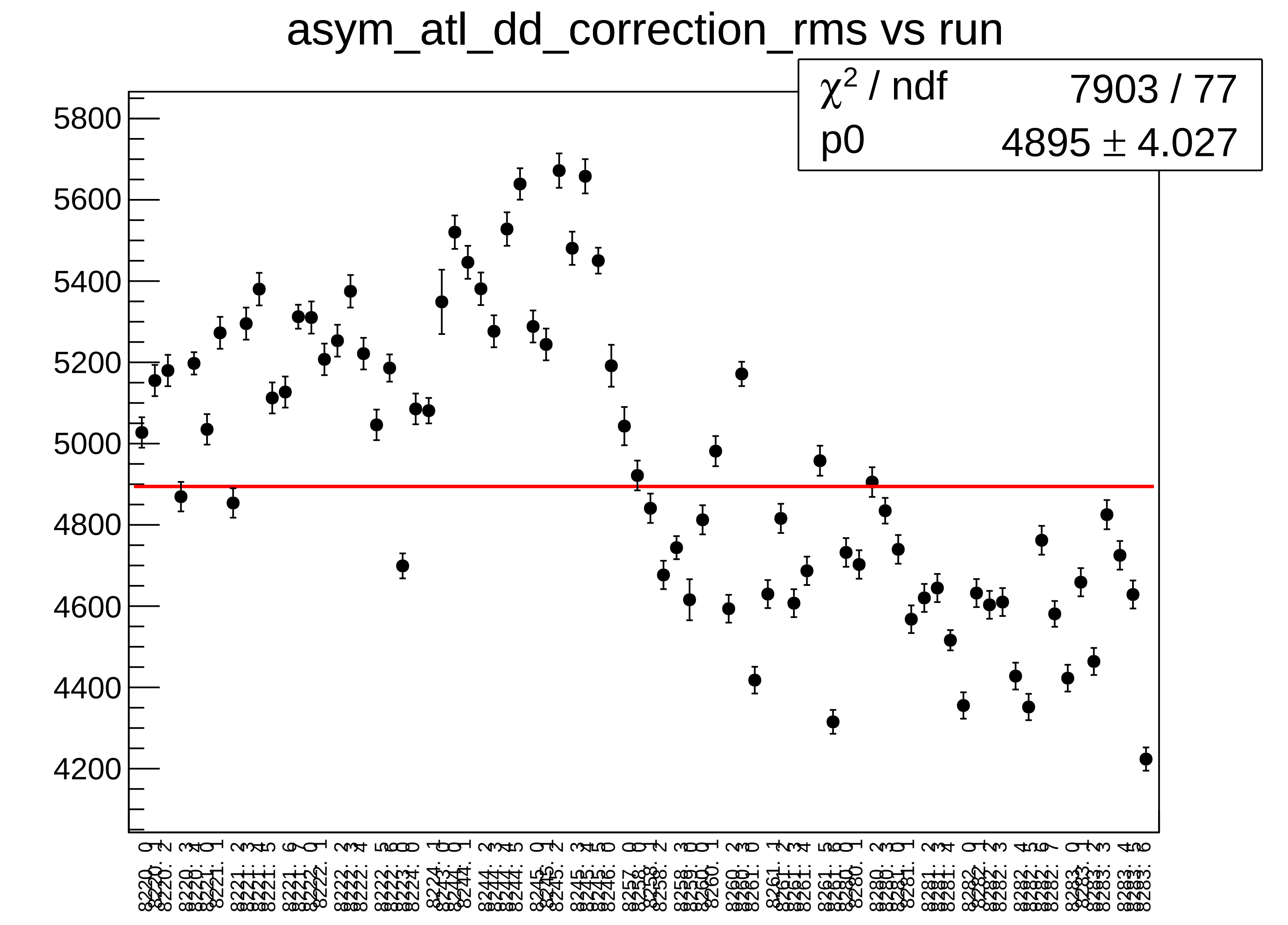
asym_atl_avg_rms vs run
χ^2 / ndf 6841 / 77
p0 5802 ± 4.772
7000
6500
6000
5500
5000



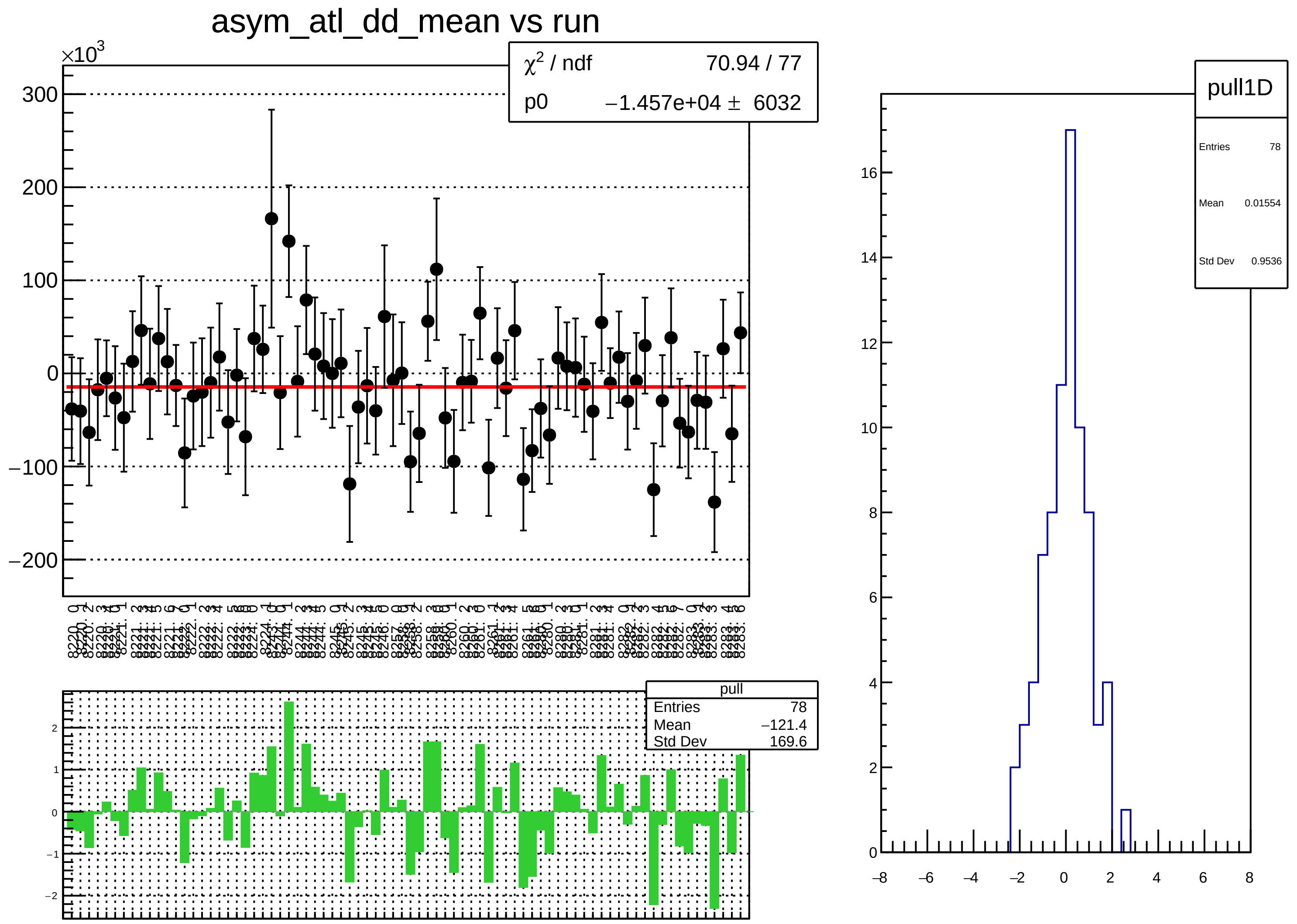
reg_asym_atl_dd_mean vs run
$\times10^3$
χ^2 / ndf 81.98 / 77
p0 121.8 ± 1906
100
50
0
−50
−100
pull
Entries 78
Mean 461.9
Std Dev 413.5
pull1D
Entries 78
Mean 0.007573
Std Dev 1.025


reg_asym_atl_dd_rms vs run
χ^2 / ndf 1.108e+04 / 77
p0 1636 ± 1.348
5000
4500
4000
3500
3000
2500
2000
1500


asym_atl_dd_correction_mean vs run
×10^3
χ2 / ndf 74.24 / 77
p0 1.496e+04 ± 5695
pull
Entries 78
Mean −165
Std Dev 212.9
pull1D
Entries 78
Mean −0.01865
Std Dev 0.9754

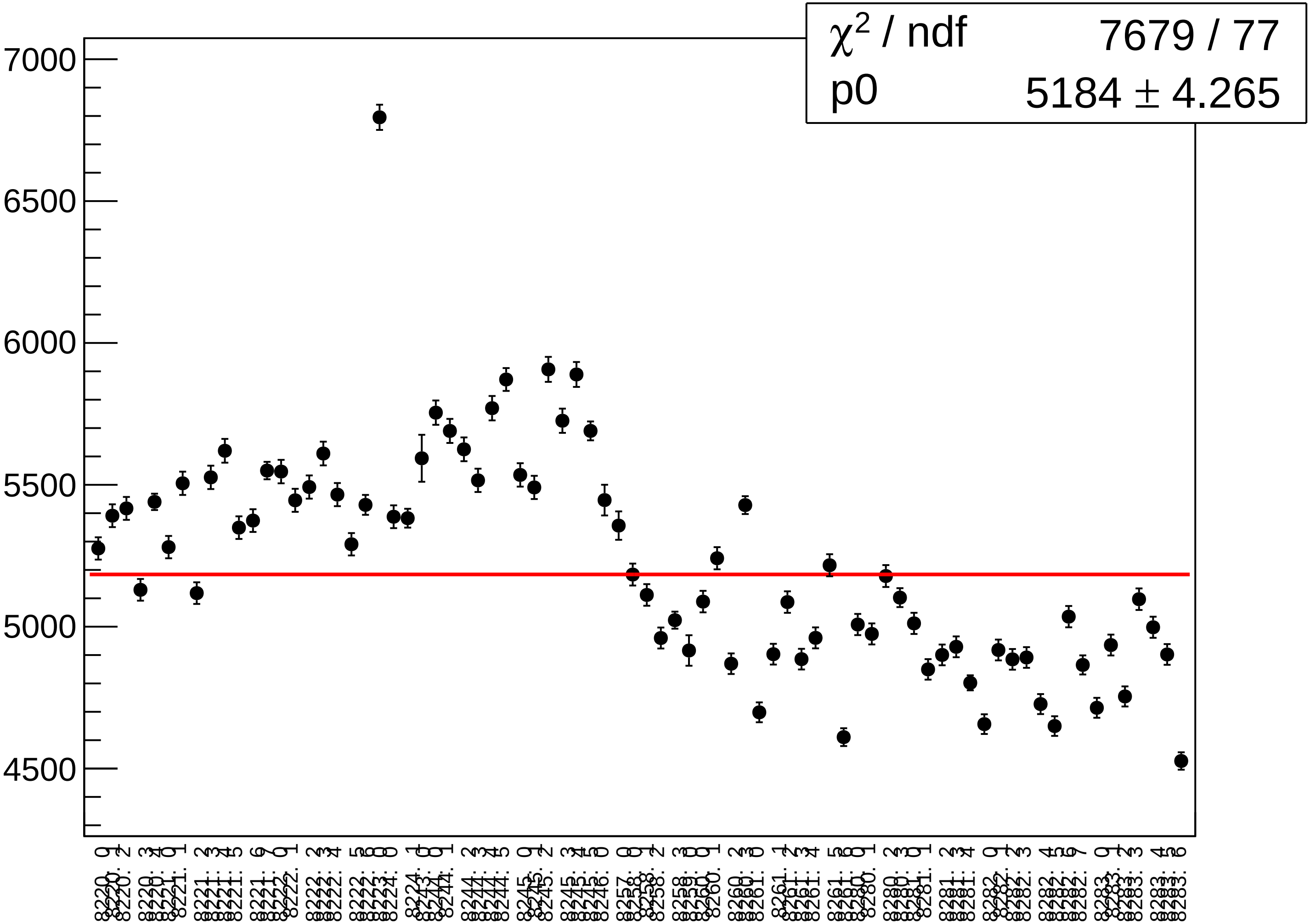


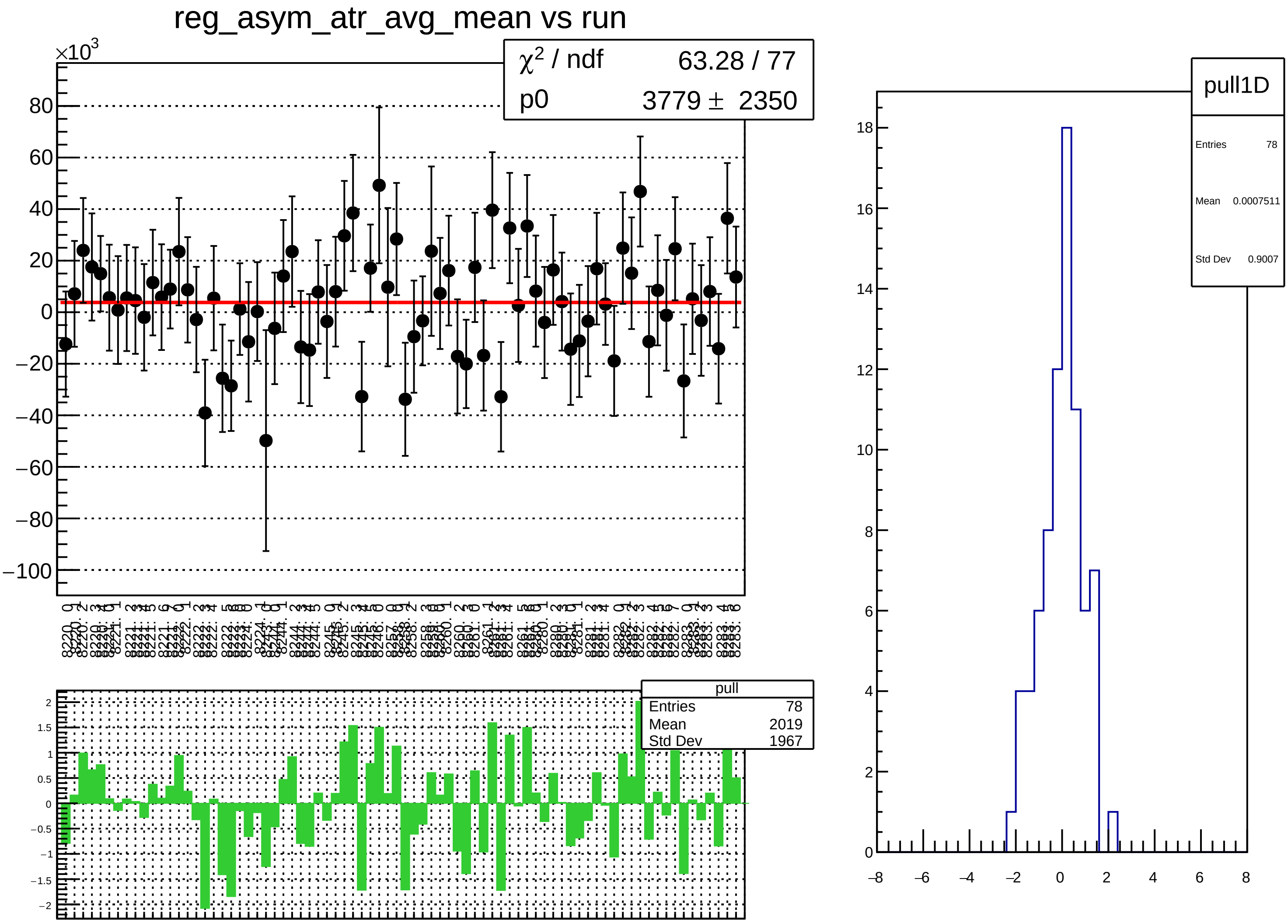
asym_atl_dd_correction_rms vs run
χ2 / ndf 7903 / 77
p0 4895 ± 4.027
5800
5600
5400
5200
5000
4800
4600
4400
4200



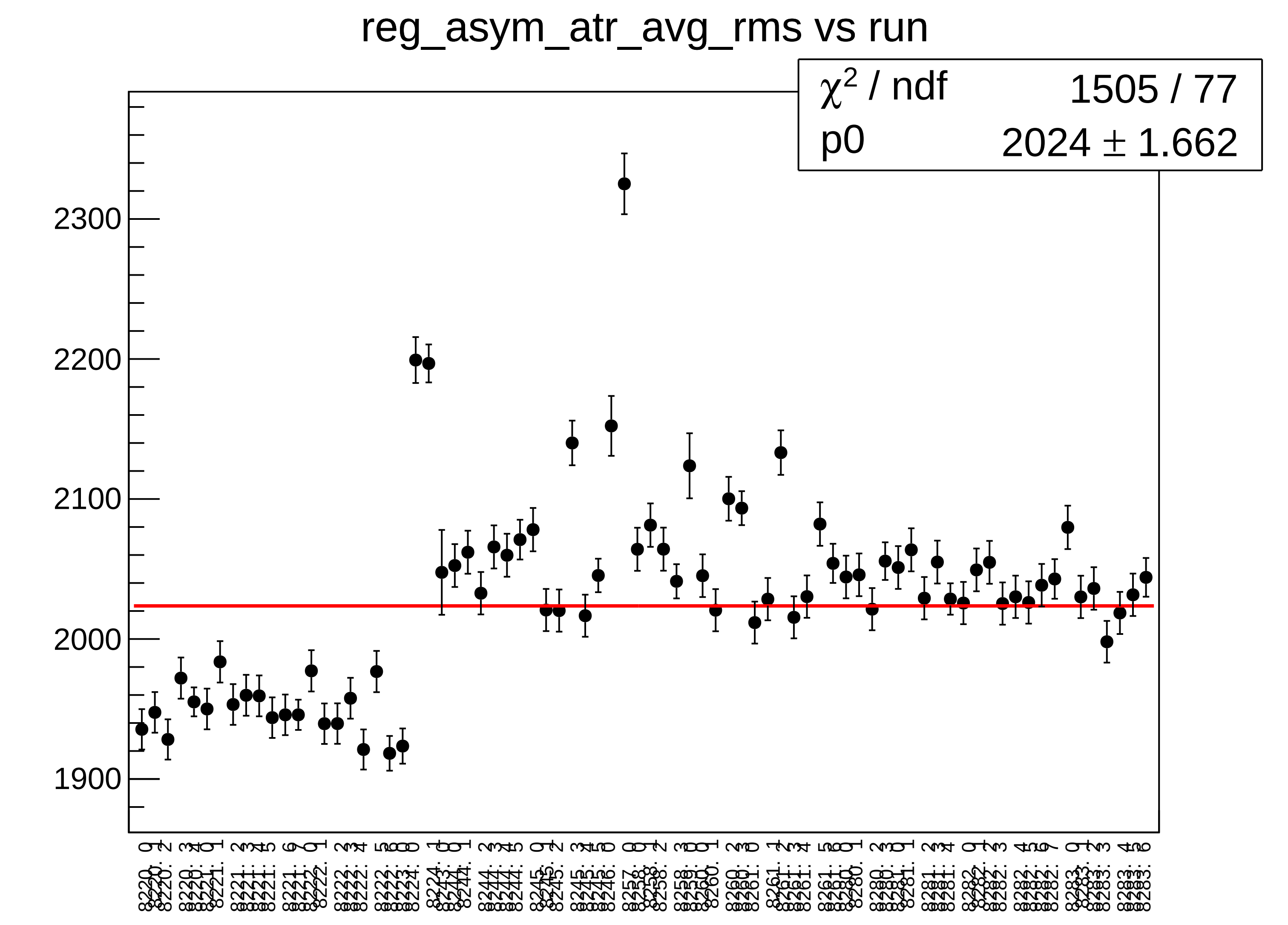
asym_atl_dd_mean vs run
×10^3
χ2 / ndf 70.94 / 77
p0 −1.457e+04 ± 6032
300
200
100
0
−100
−200
pull
Entries 78
Mean −121.4
Std Dev 169.6
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01554
Std Dev 0.9536
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_rms vs run

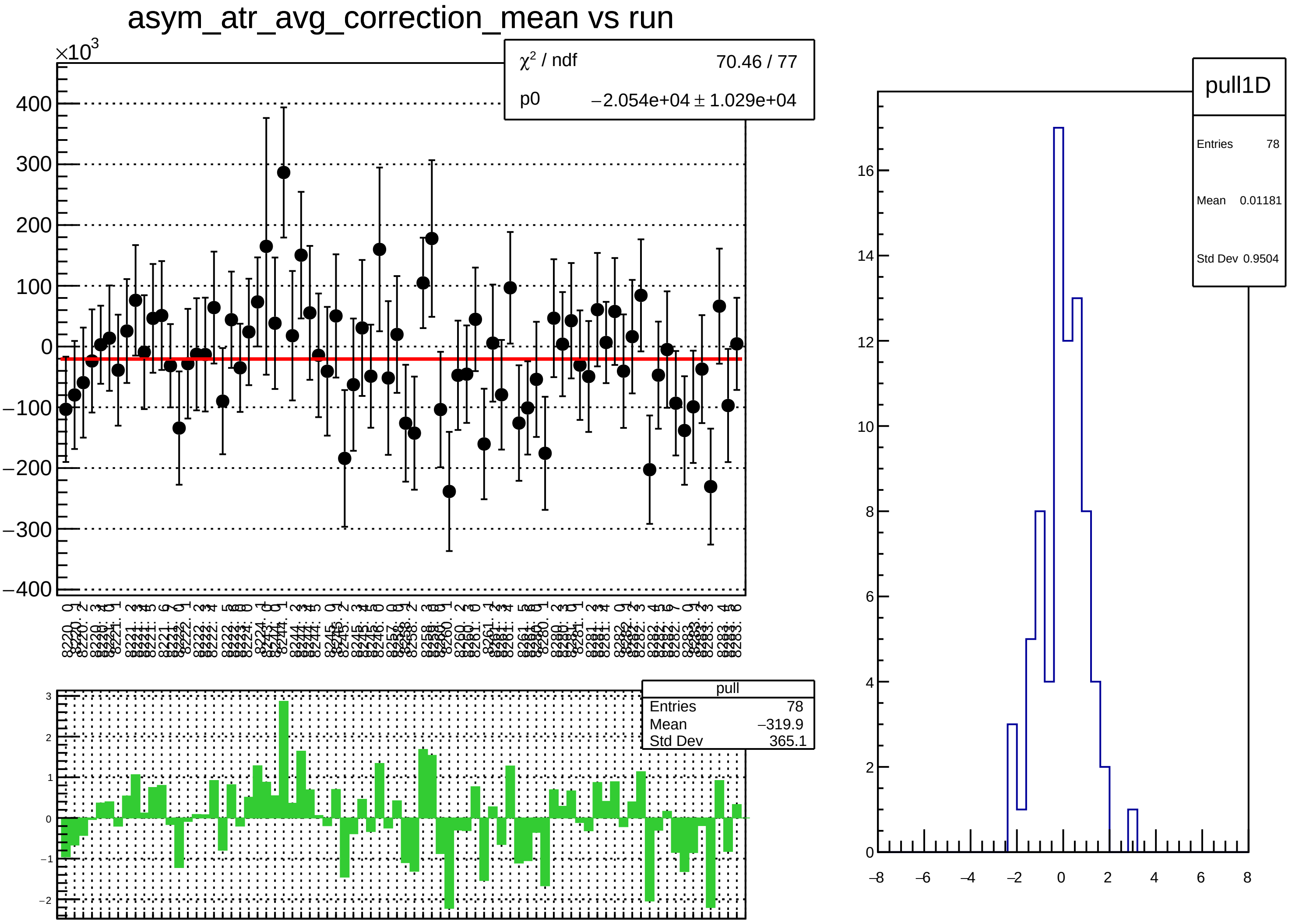




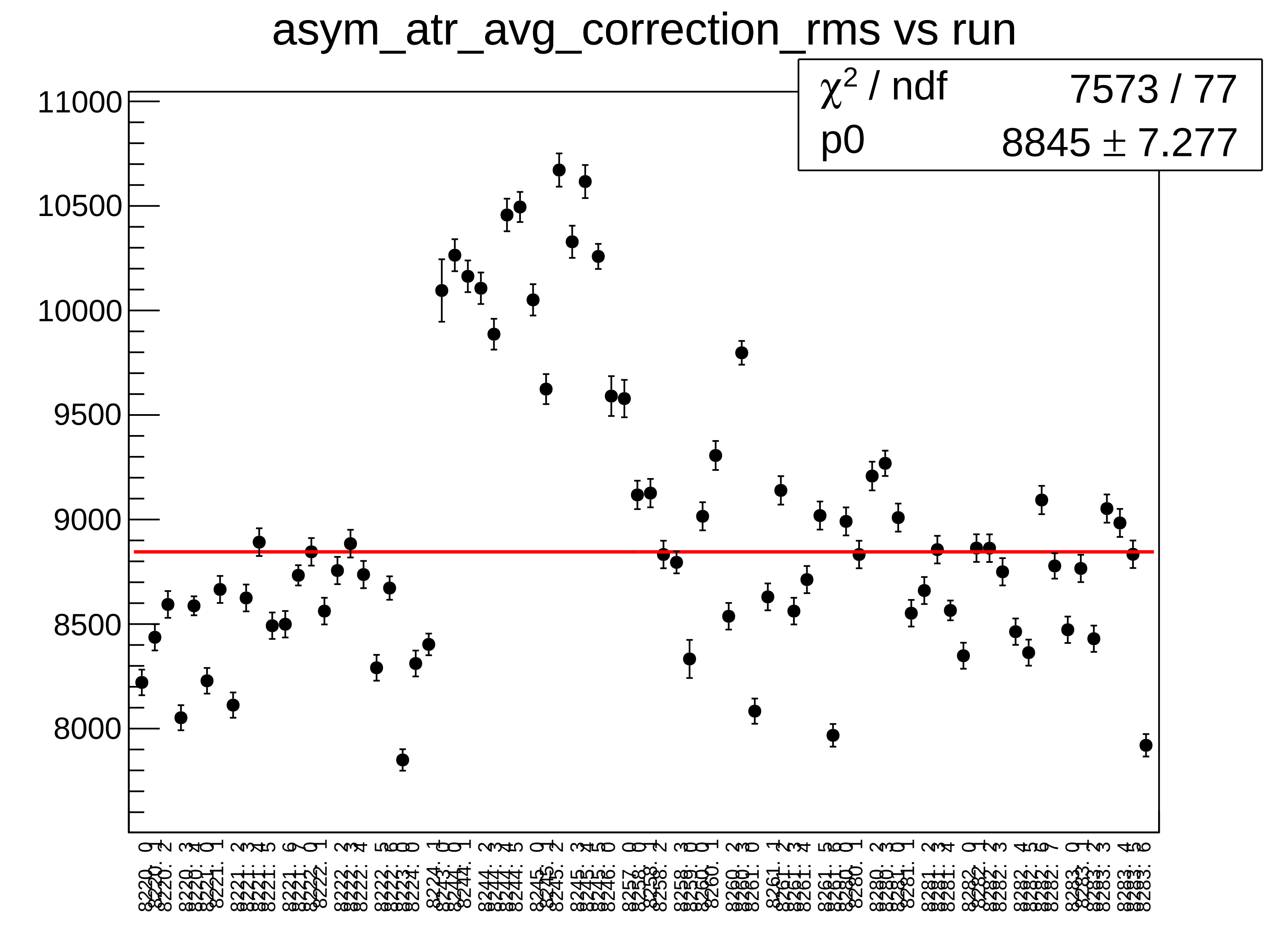
reg_asym_atr_avg_mean vs run
χ^2 / ndf 63.28 / 77
p0 3779 ± 2350
×10^3
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 78
Mean 2019
Std Dev 1967
pull1D
Entries 78
Mean 0.0007511
Std Dev 0.9007

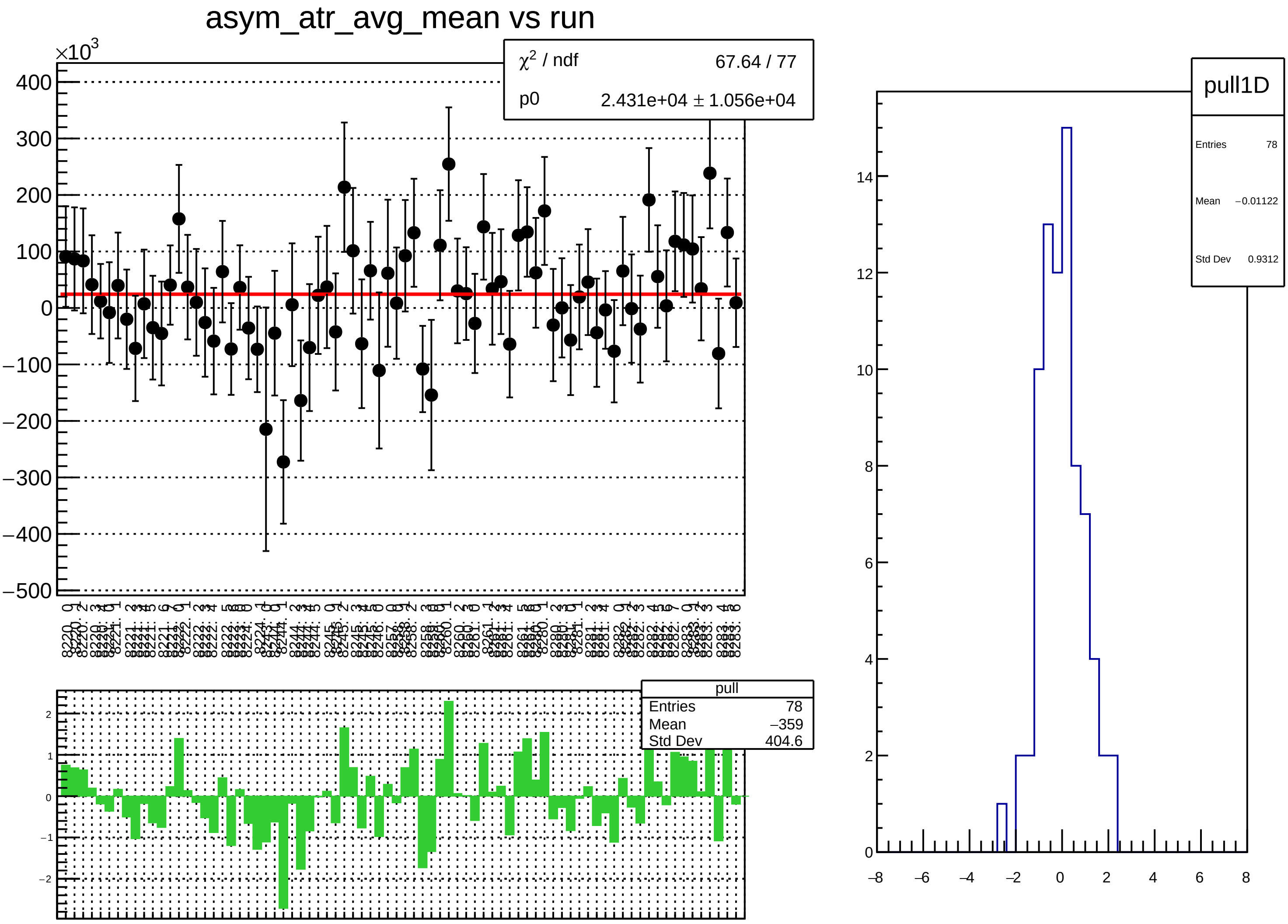


reg_asym_atr_avg_rms vs run
χ2 / ndf 1505 / 77
p0 2024 ± 1.662
2300
2200
2100
2000
1900

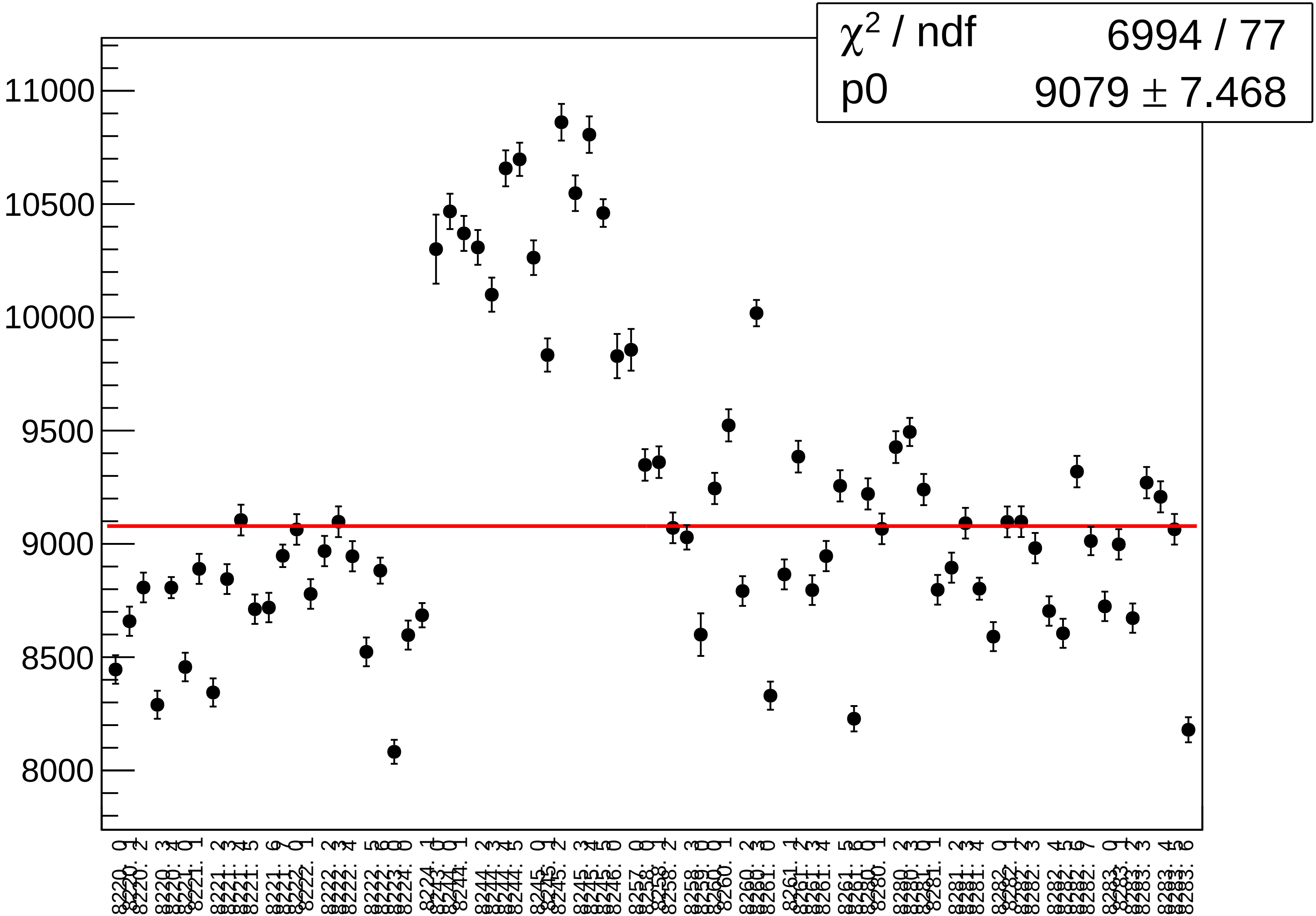


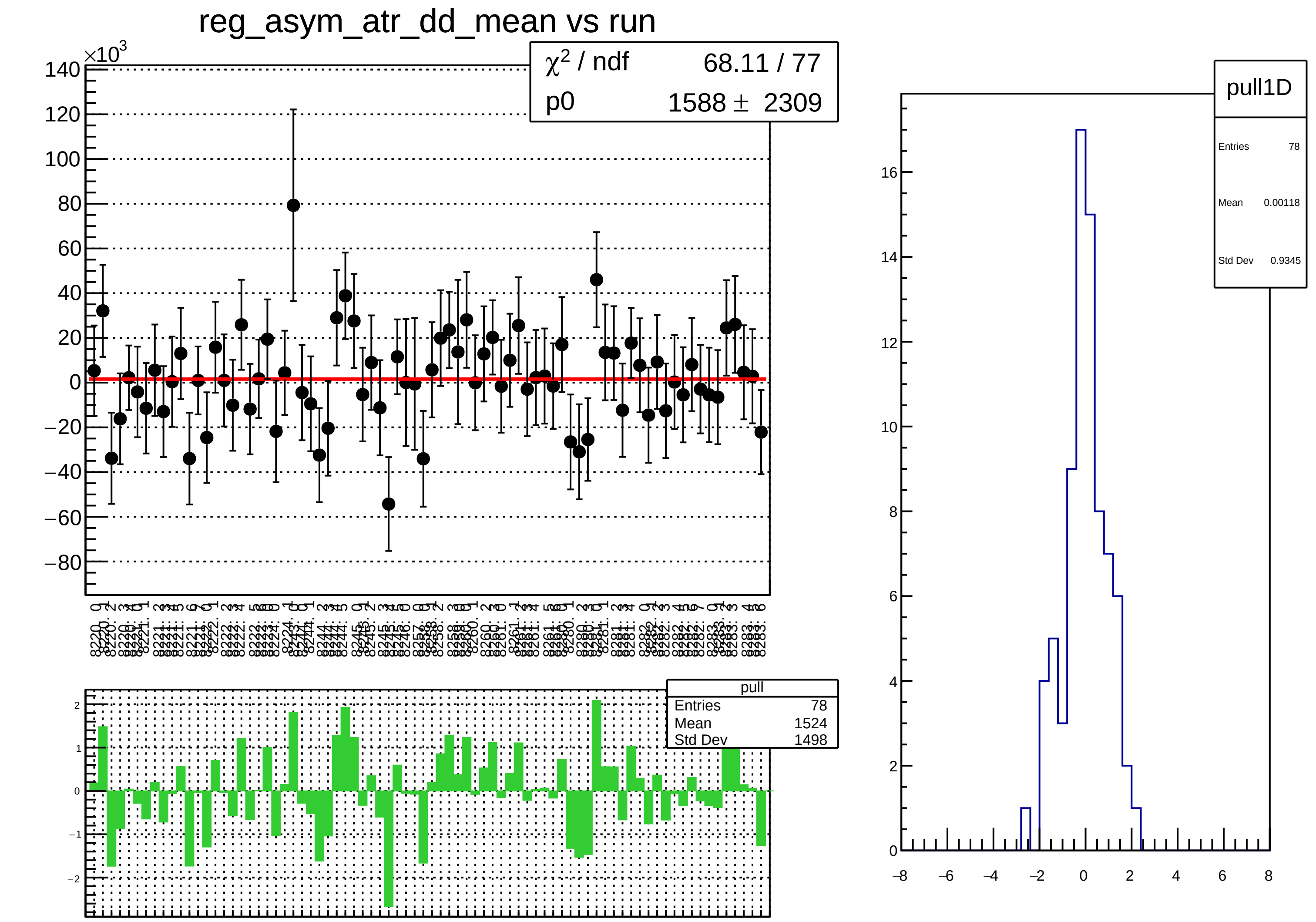
asym_atr_avg_correction_mean vs run
×10^3
χ2 / ndf 70.46 / 77
p0 −2.054e+04 ± 1.029e+04
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 78
Mean −319.9
Std Dev 365.1
3
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01181
Std Dev 0.9504
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

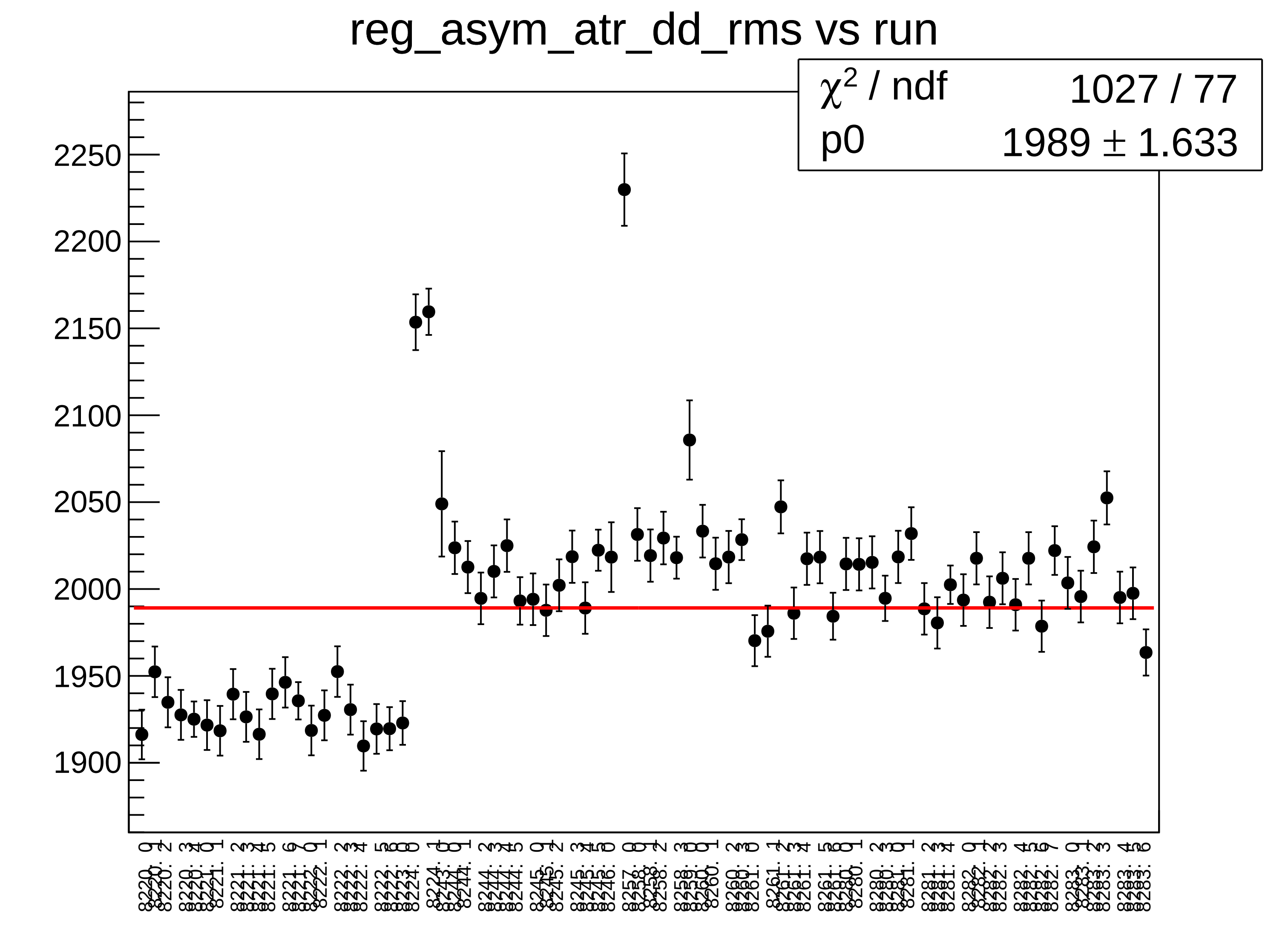

asym_atr_avg_correction_rms vs run
χ^2 / ndf 7573 / 77
p0 8845 ± 7.277
11000
10500
10000
9500
9000
8500
8000


asym_atr_avg_mean vs run
×10^3
χ2 / ndf 67.64 / 77
p0 2.431e+04 ± 1.056e+04
400
300
200
100
0
−100
−200
−300
−400
−500
pull
Entries 78
Mean −359
Std Dev 404.6
pull1D
Entries 78
Mean −0.01122
Std Dev 0.9312
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

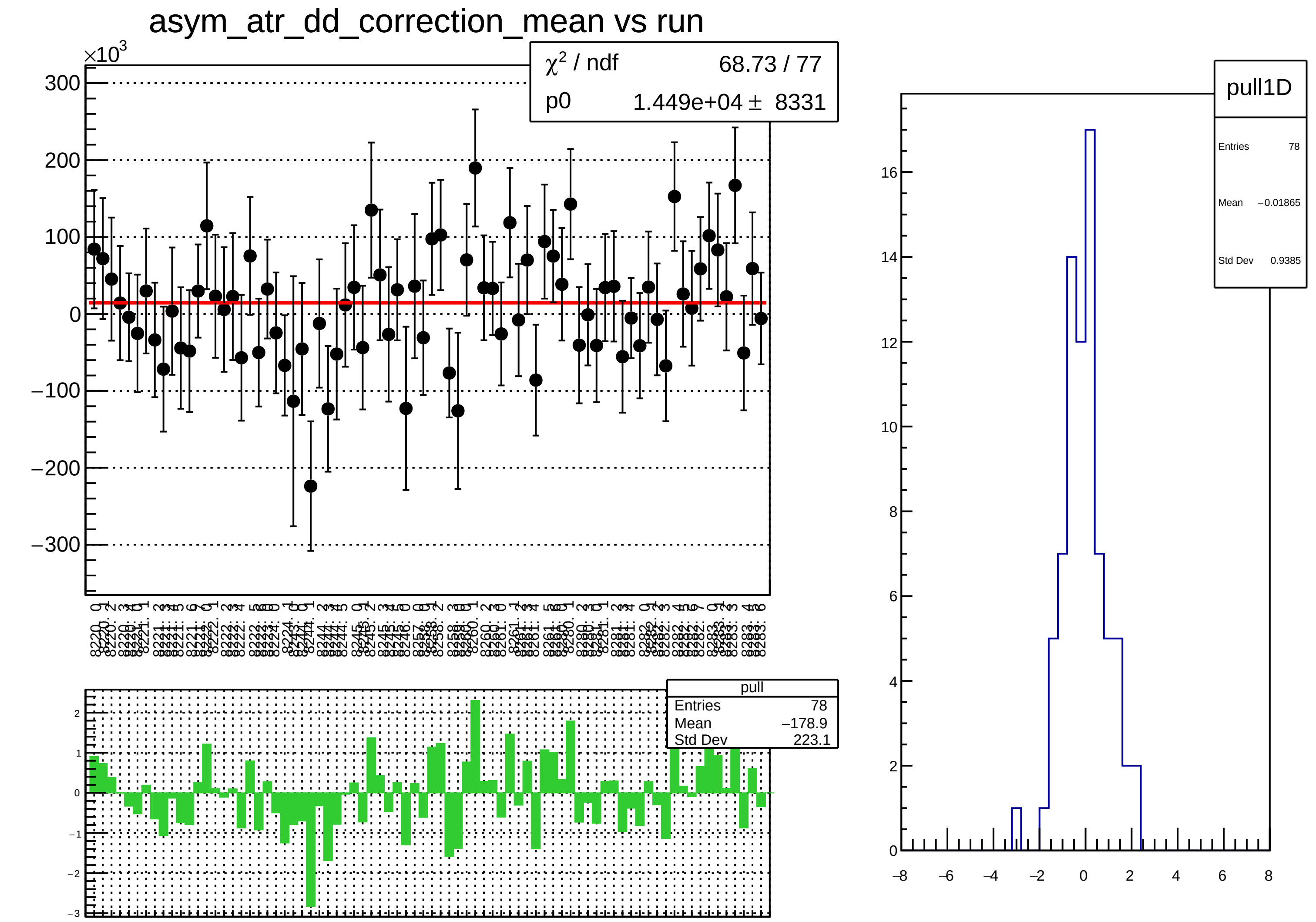
asym_atr_avg_rms vs run



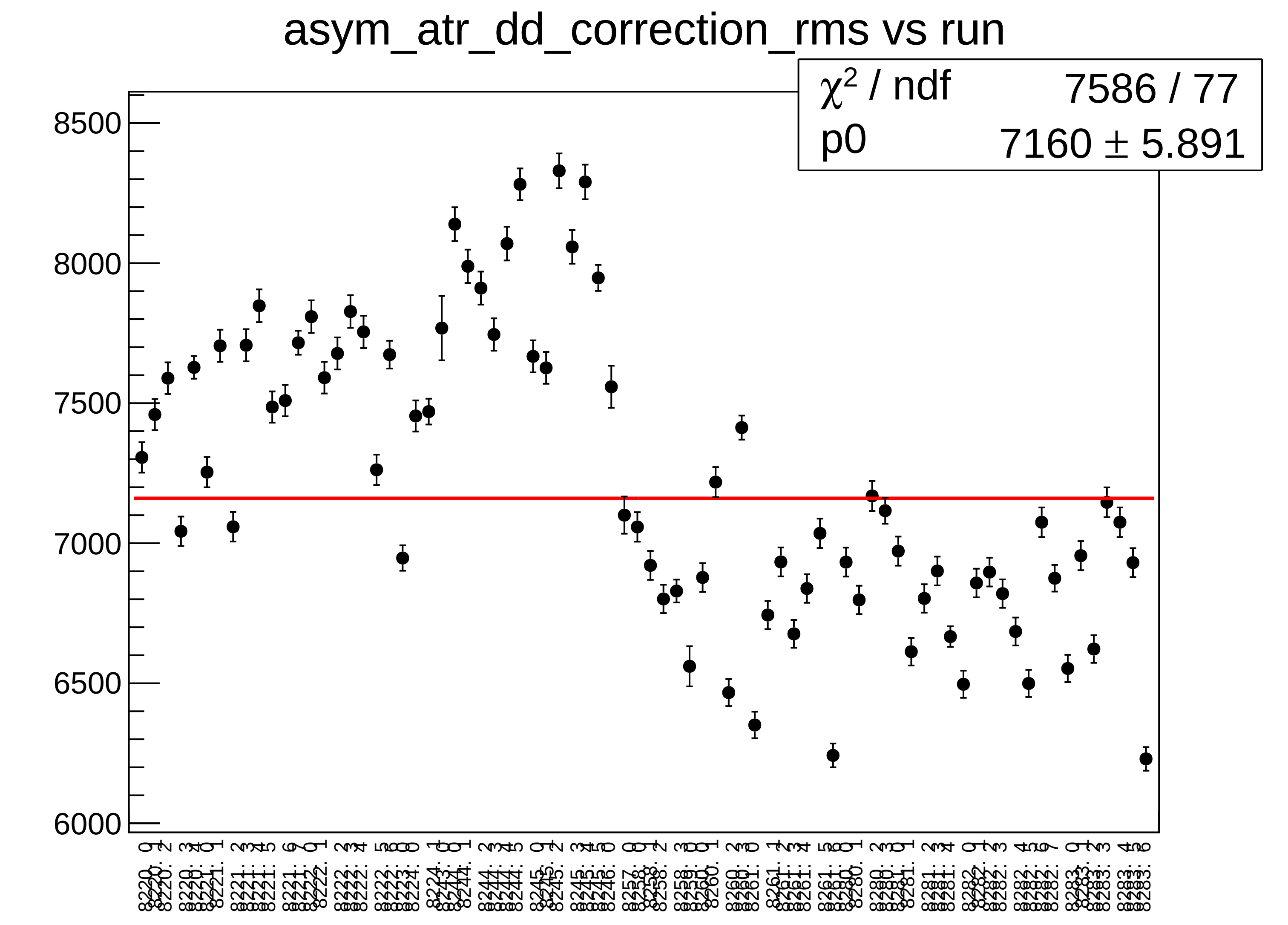

reg_asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 68.11 / 77
p0 1588 ± 2309
pull
Entries 78
Mean 1524
Std Dev 1498
pull1D
Entries 78
Mean 0.00118
Std Dev 0.9345



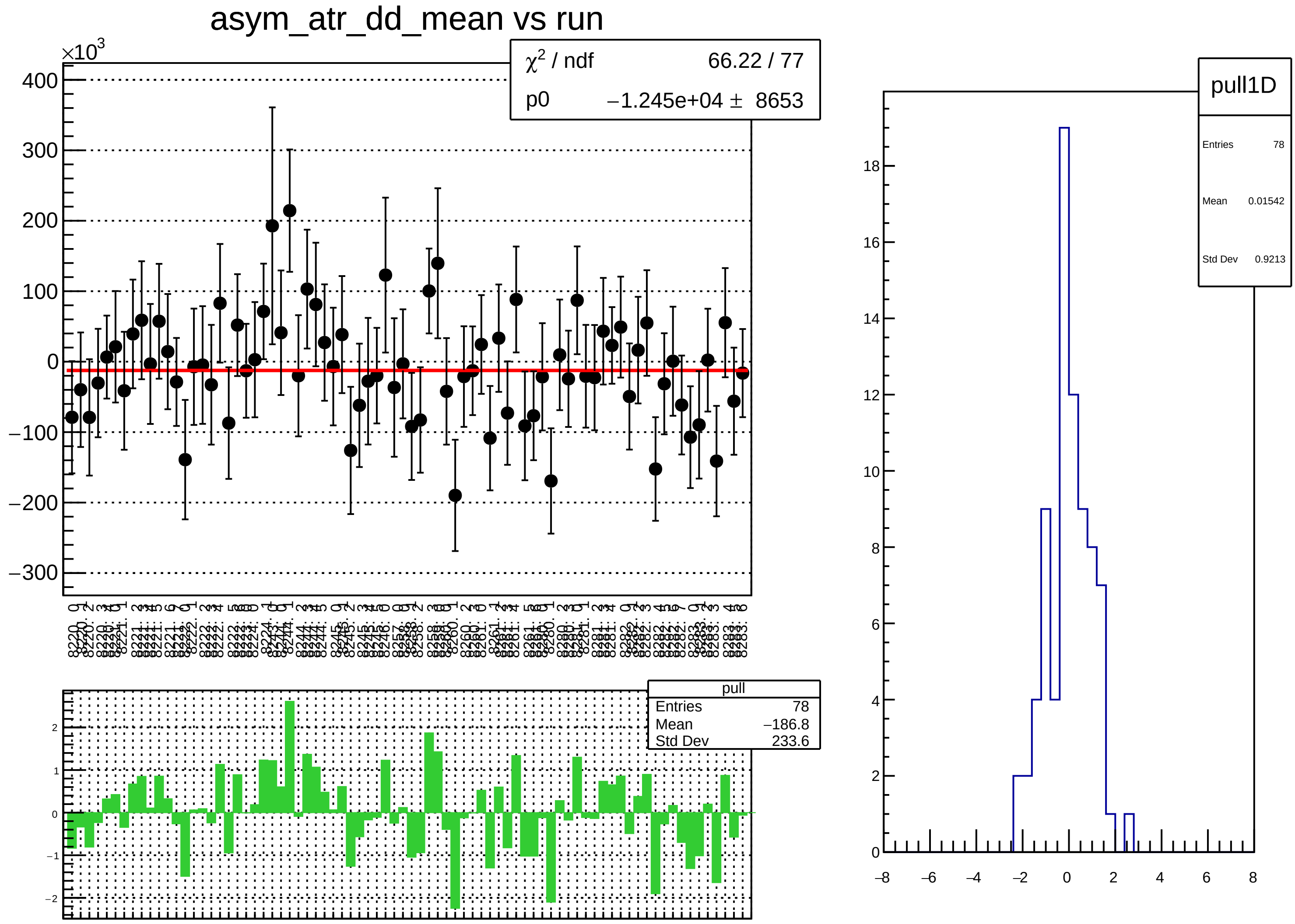
reg_asym_atr_dd_rms vs run
χ^2 / ndf 1027 / 77
p0 1989 ± 1.633
2250
2200
2150
2100
2050
2000
1950
1900

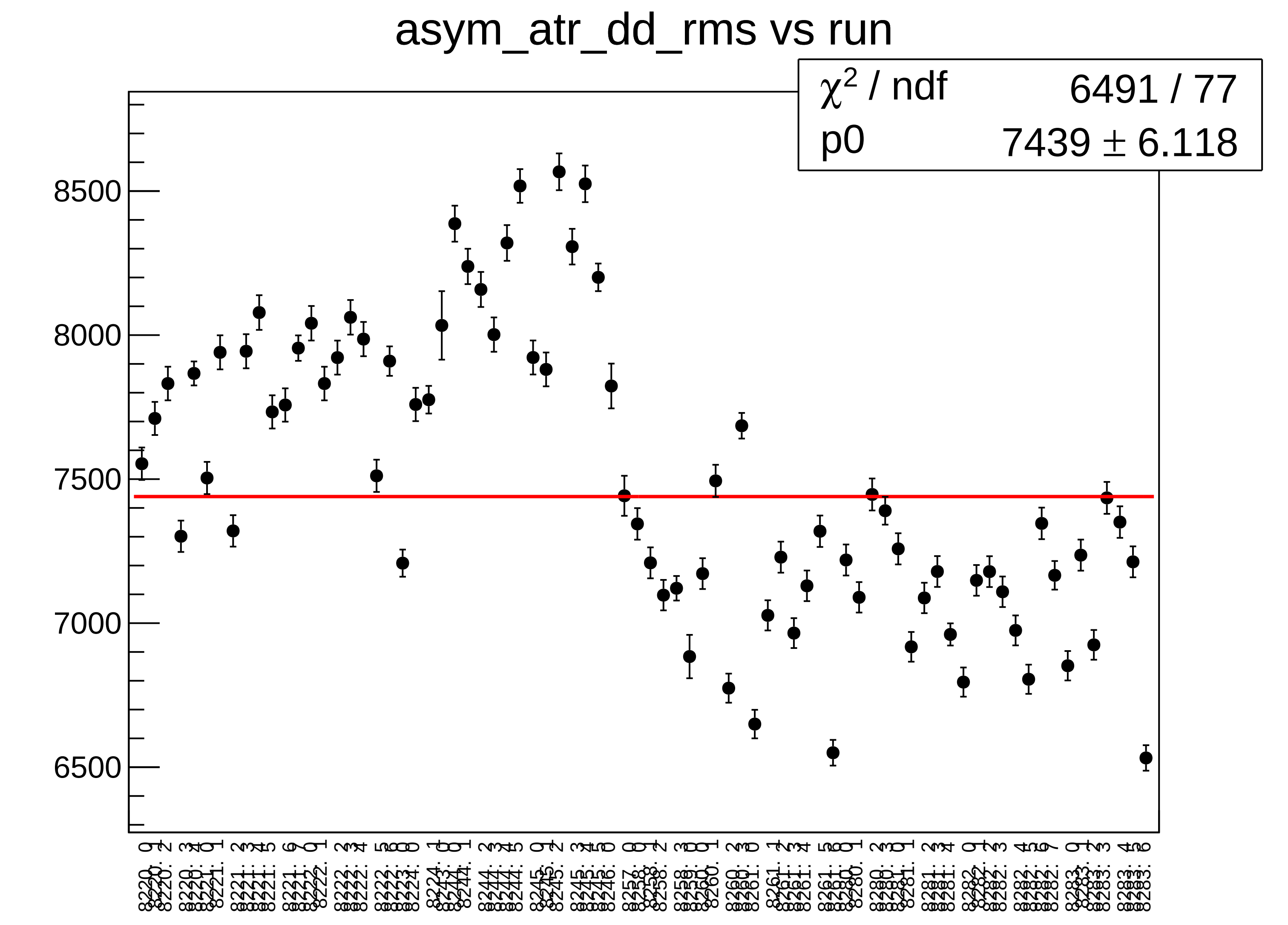


asym_atr_dd_correction_mean vs run
×10^3
χ2 / ndf 68.73 / 77
p0 1.449e+04 ± 8331
300
200
100
0
−100
−200
−300
pull
Entries 78
Mean −178.9
Std Dev 223.1
pull1D
Entries 78
Mean −0.01865
Std Dev 0.9385

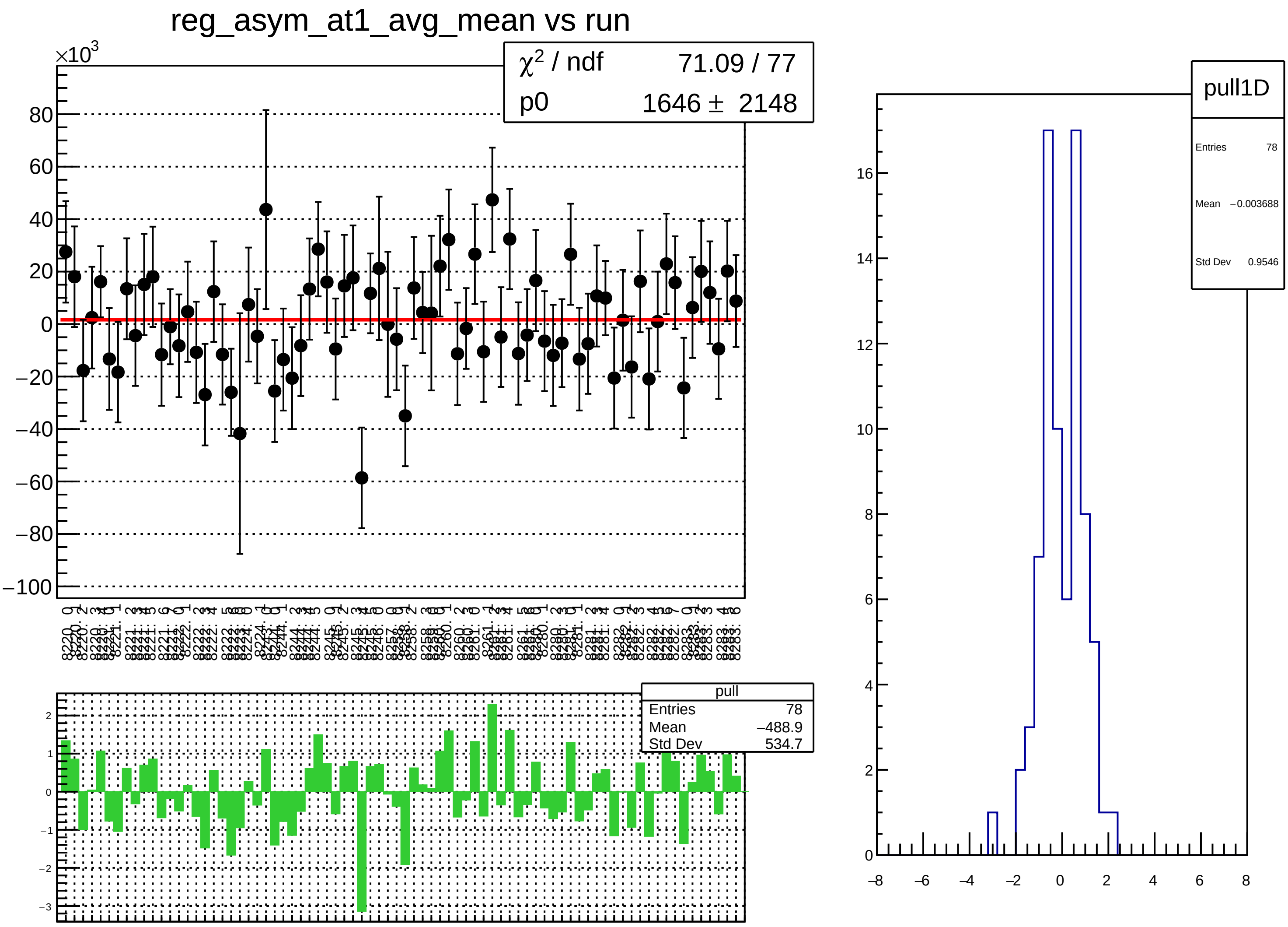


asym_atr_dd_correction_rms vs run
χ2 / ndf 7586 / 77
p0 7160 ± 5.891
8500
8000
7500
7000
6500
6000

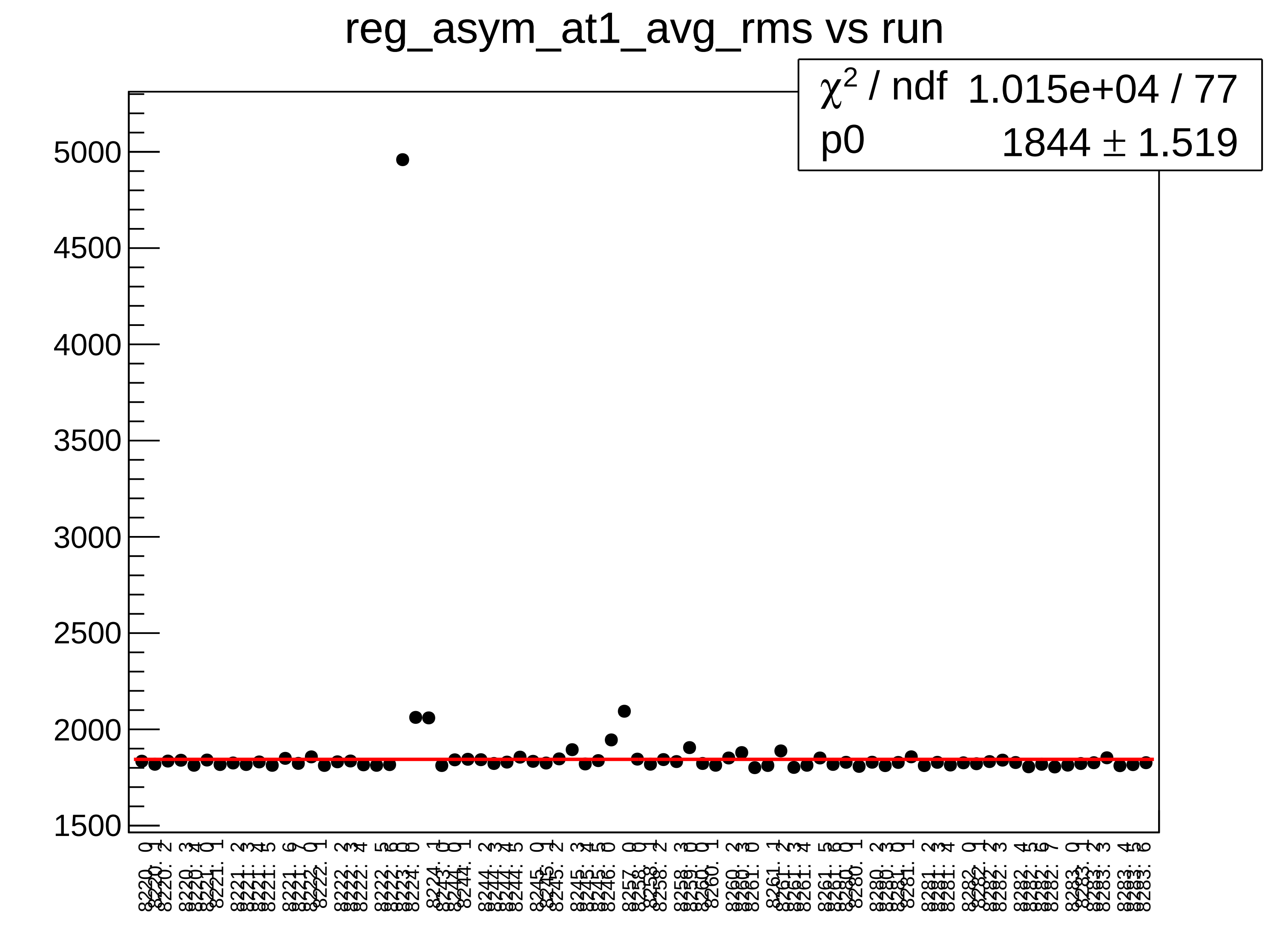

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 66.22 / 77
p0 −1.245e+04 ± 8653
400
300
200
100
0
−100
−200
−300
pull
Entries 78
Mean −186.8
Std Dev 233.6
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01542
Std Dev 0.9213
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



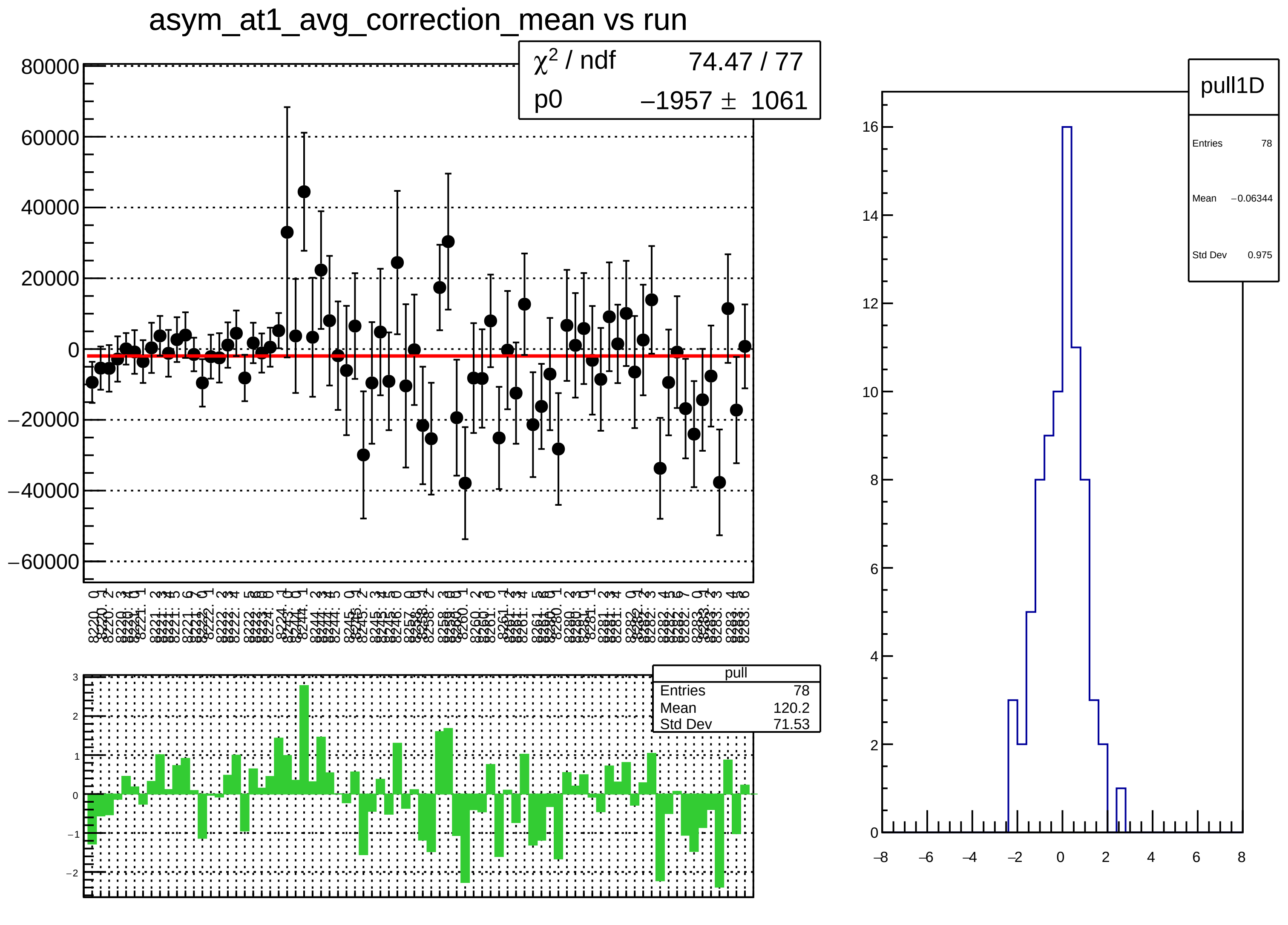
asym_atr_dd_rms vs run
χ^2 / ndf 6491 / 77
p0 7439 ± 6.118
8500
8000
7500
7000
6500

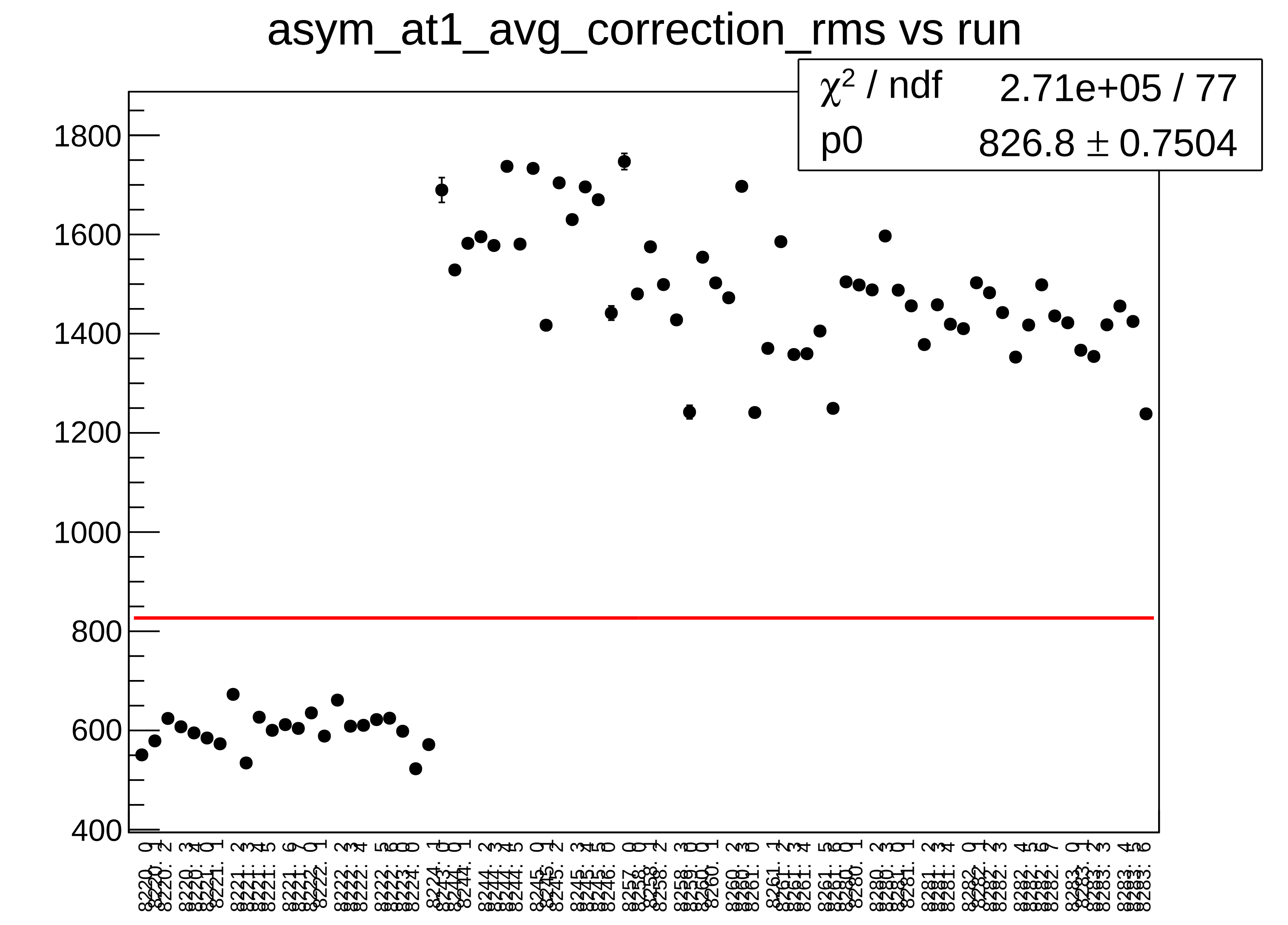


reg_asym_at1_avg_mean vs run
χ2 / ndf 71.09 / 77
p0 1646 ± 2148
pull
Entries 78
Mean −488.9
Std Dev 534.7
pull1D
Entries 78
Mean −0.003688
Std Dev 0.9546

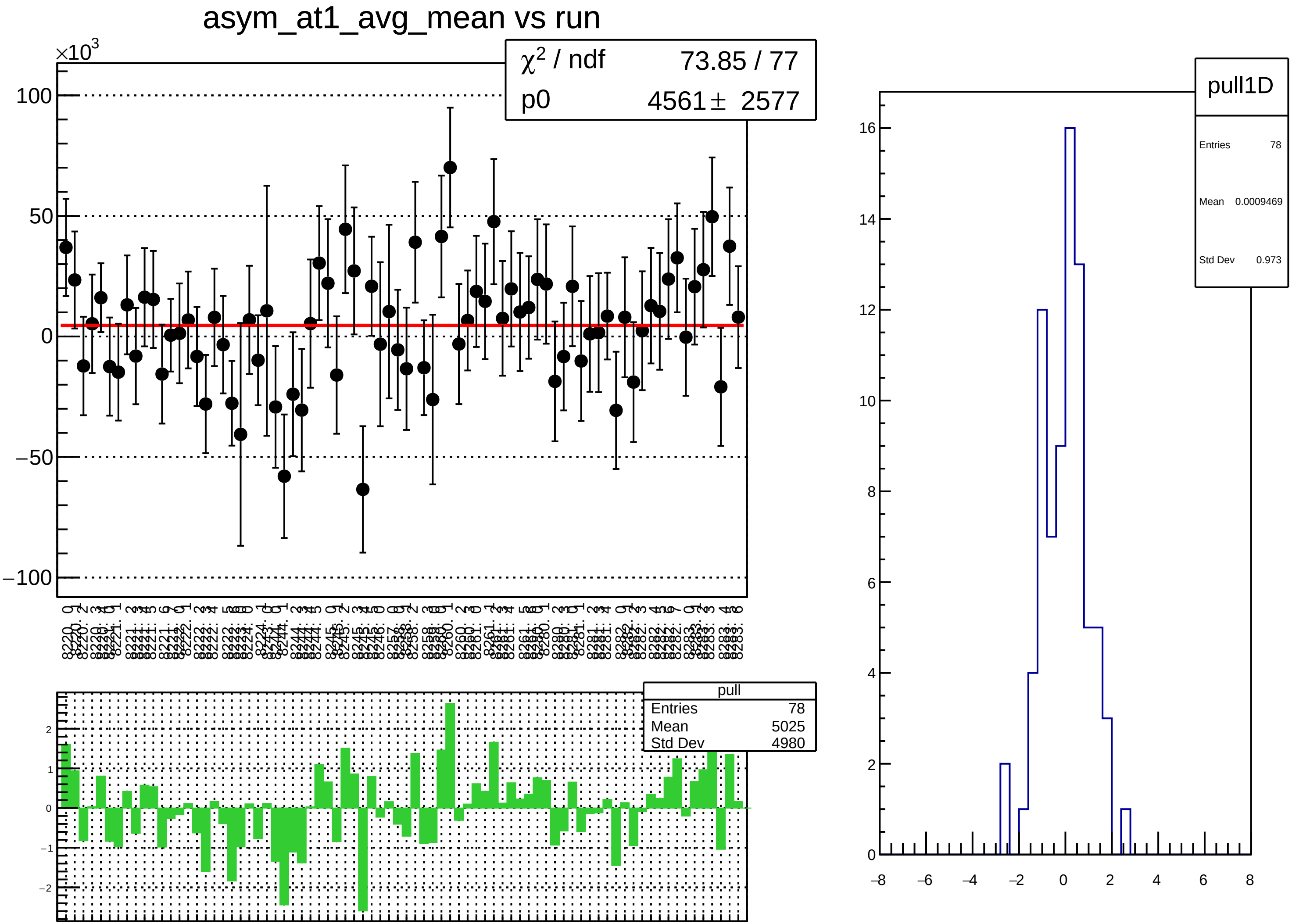


reg_asym_at1_avg_rms vs run
χ^2 / ndf 1.015e+04 / 77
p0 1844 ± 1.519

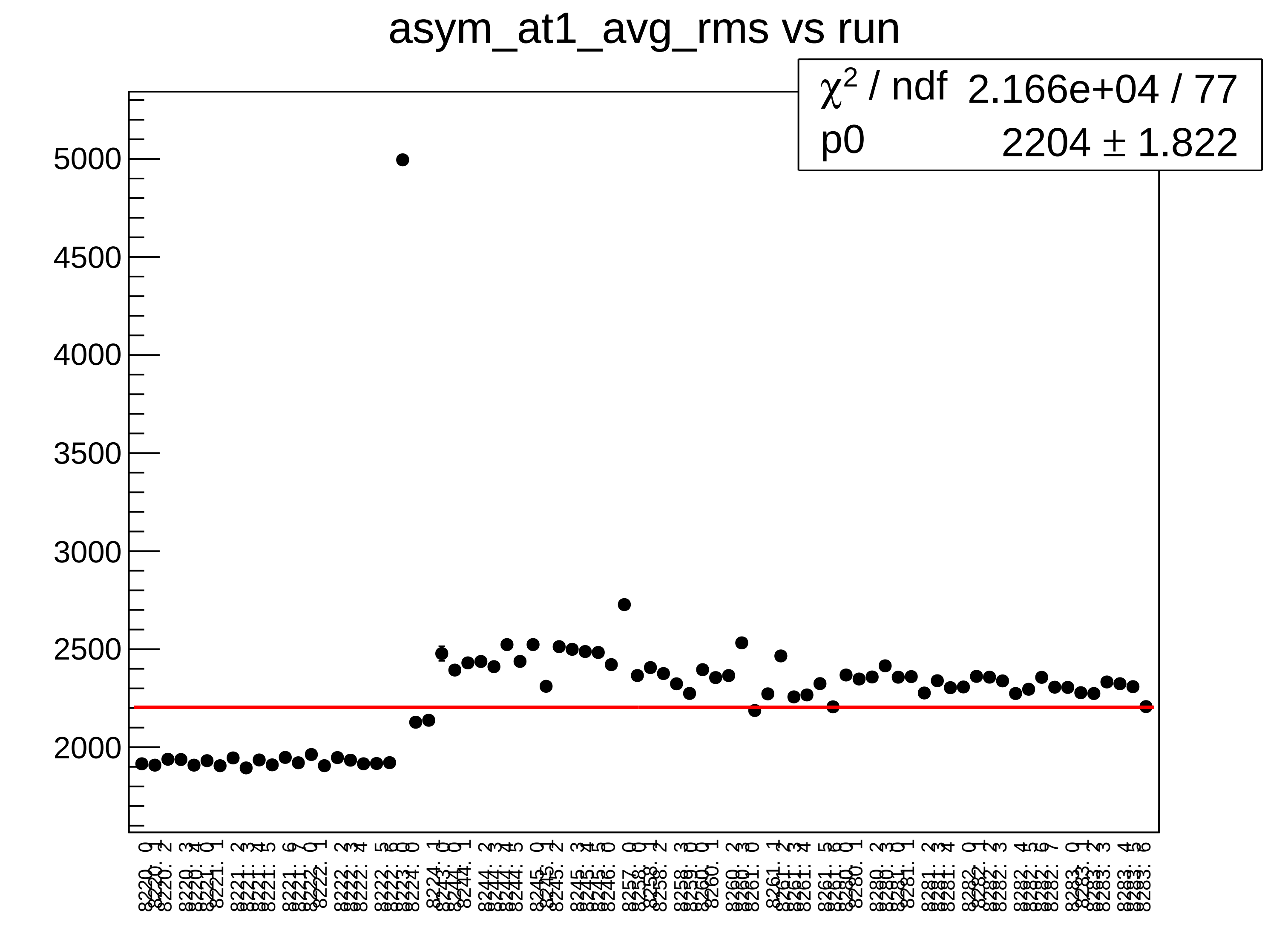

asym_at1_avg_correction_mean vs run
χ^2 / ndf 74.47 / 77
p0 −1957 ± 1061
pull
Entries 78
Mean 120.2
Std Dev 71.53
pull1D
Entries 78
Mean −0.06344
Std Dev 0.975



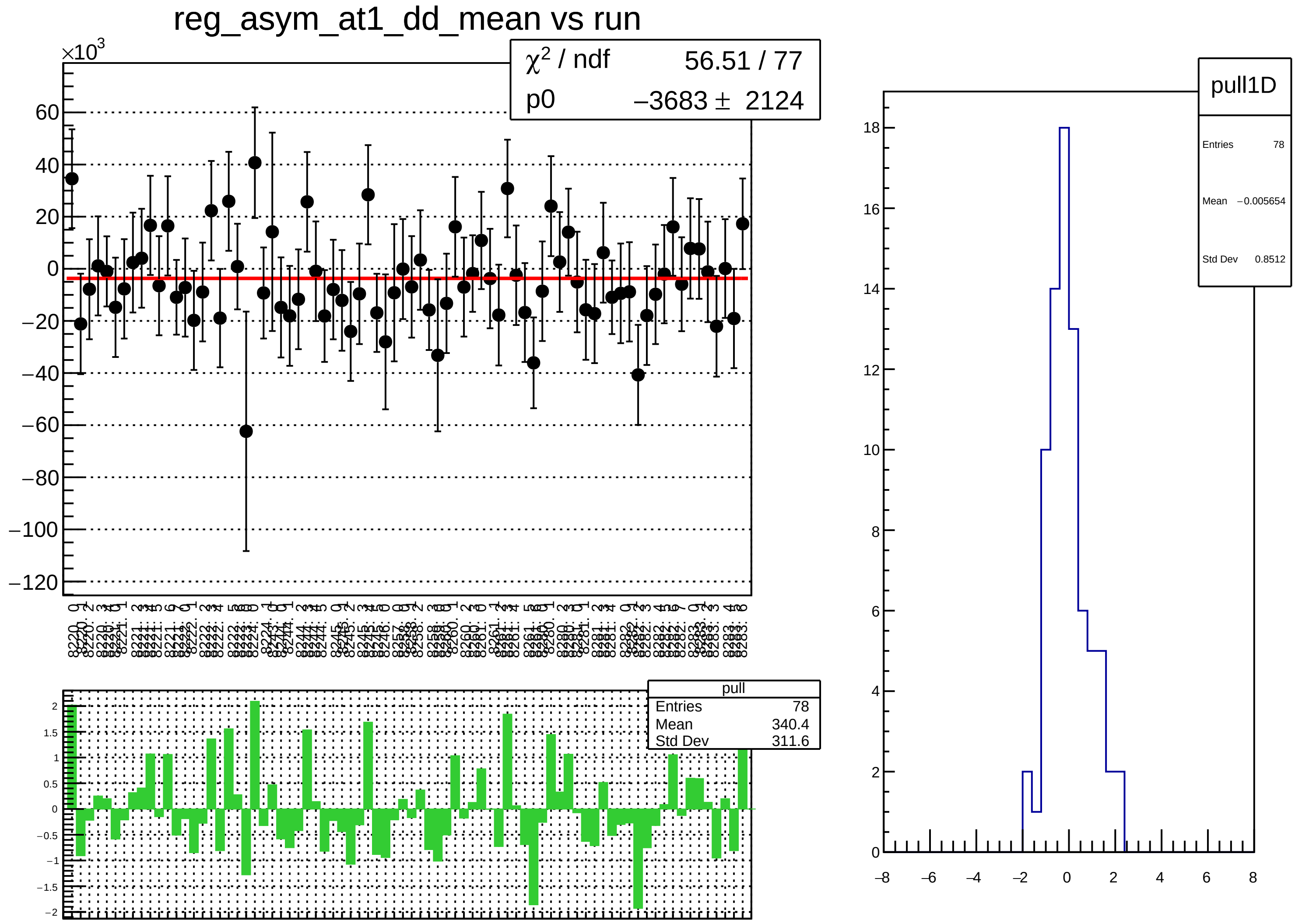
asym_at1_avg_correction_rms vs run
χ^2 / ndf 2.71e+05 / 77
p0 826.8 ± 0.7504

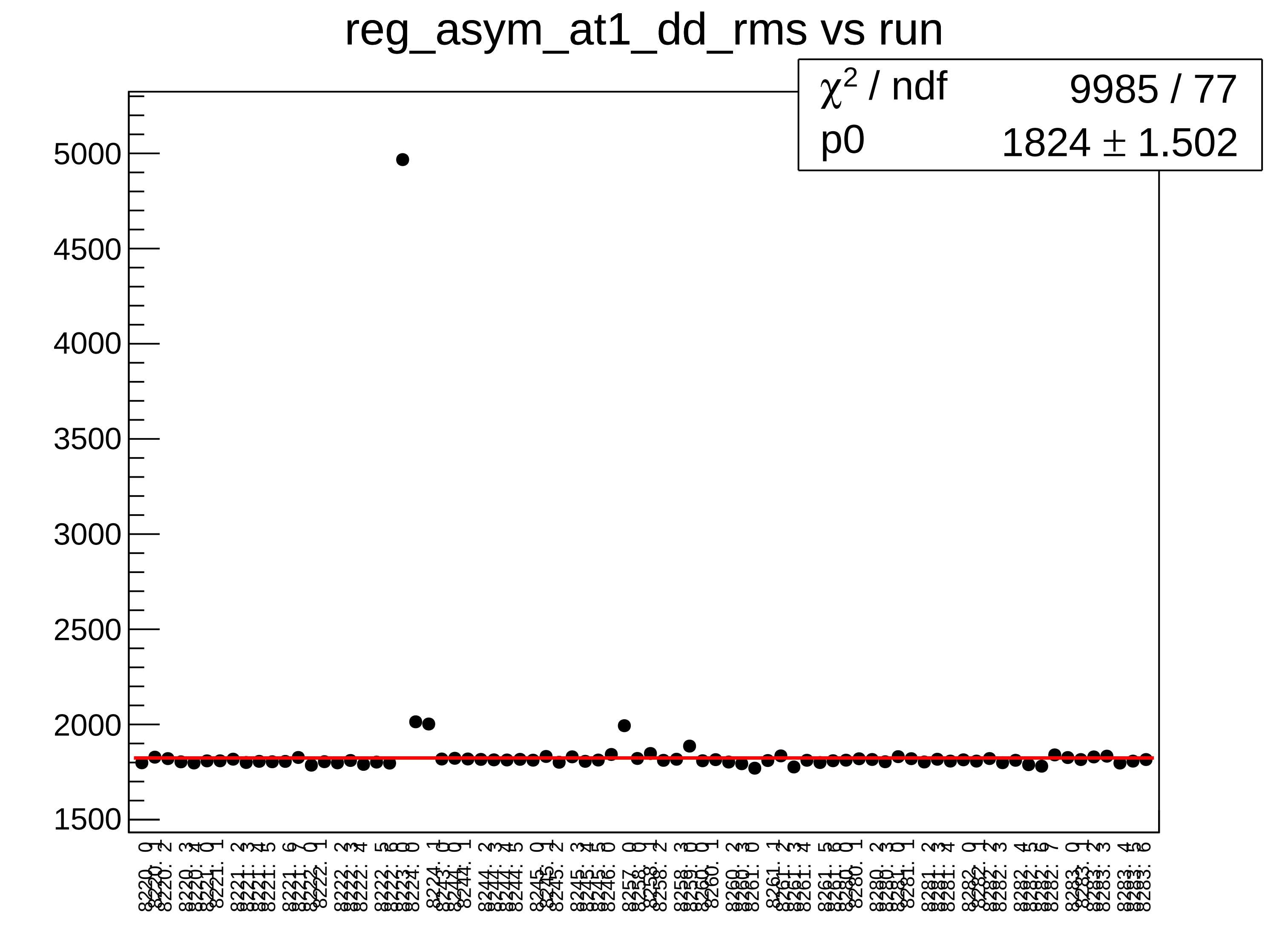


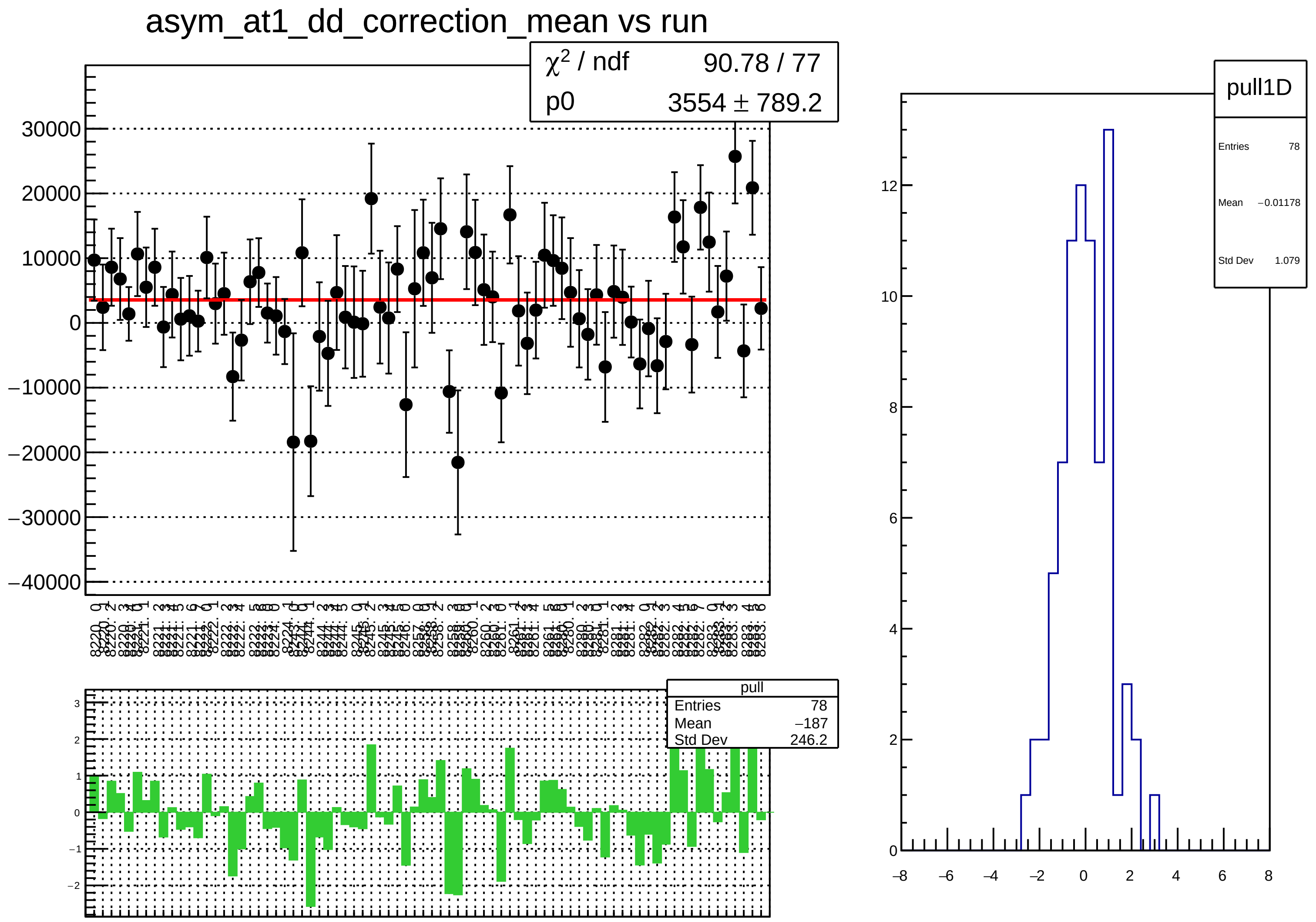
asym_at1_avg_mean vs run
$\times10^3$
χ^2 / ndf 73.85 / 77
p0 4561 ± 2577
100
50
0
−50
−100
pull
Entries 78
Mean 5025
Std Dev 4980
pull1D
Entries 78
Mean 0.0009469
Std Dev 0.973



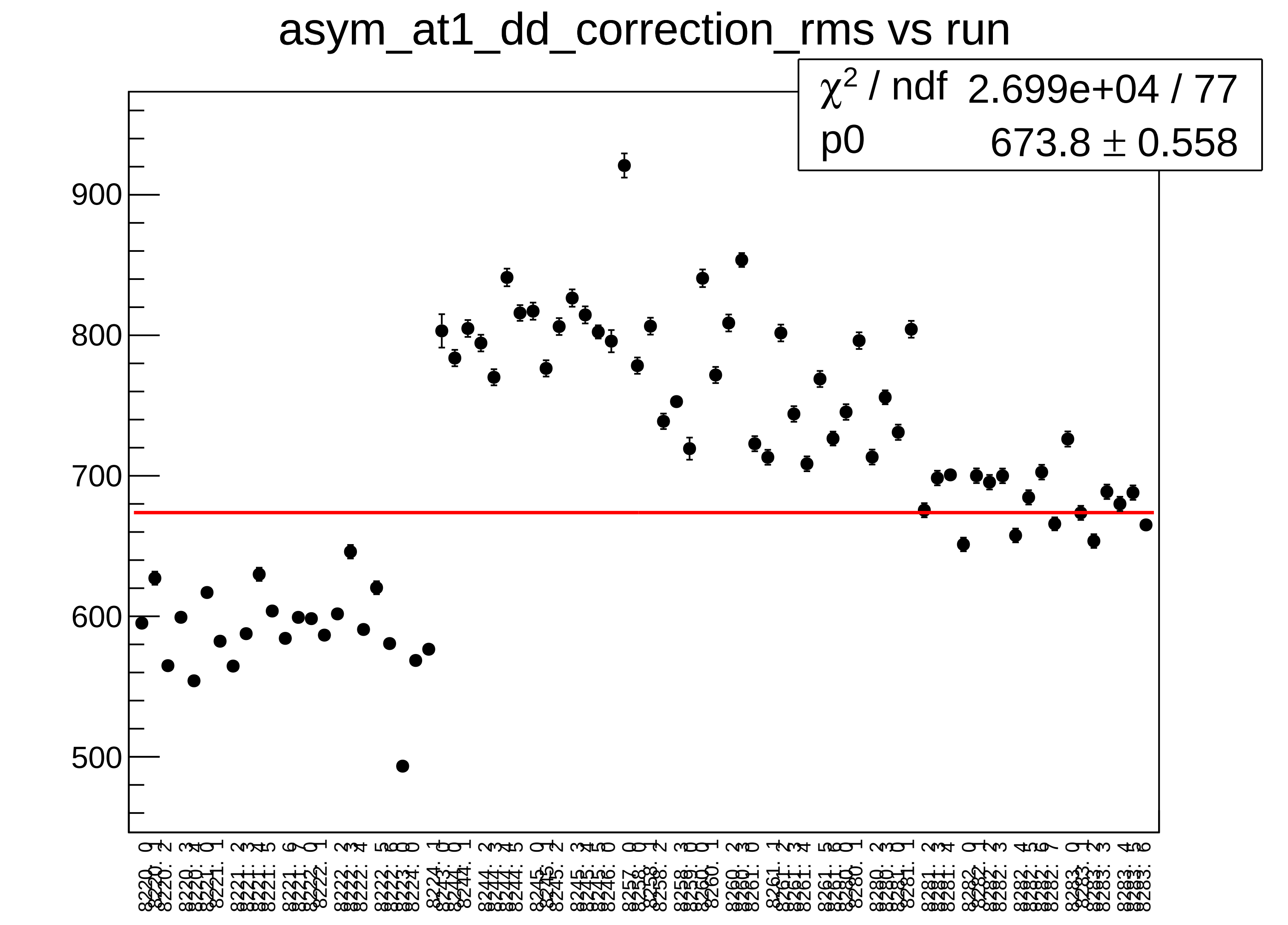
asym_at1_avg_rms vs run
χ² / ndf 2.166e+04 / 77
p0 2204 ± 1.822
5000
4500
4000
3500
3000
2500
2000


reg_asym_at1_dd_mean vs run
$\times 10^{3}$
χ^2 / ndf 56.51 / 77
p0 −3683 ± 2124
pull
Entries 78
Mean 340.4
Std Dev 311.6
pull1D
Entries 78
Mean −0.005654
Std Dev 0.8512

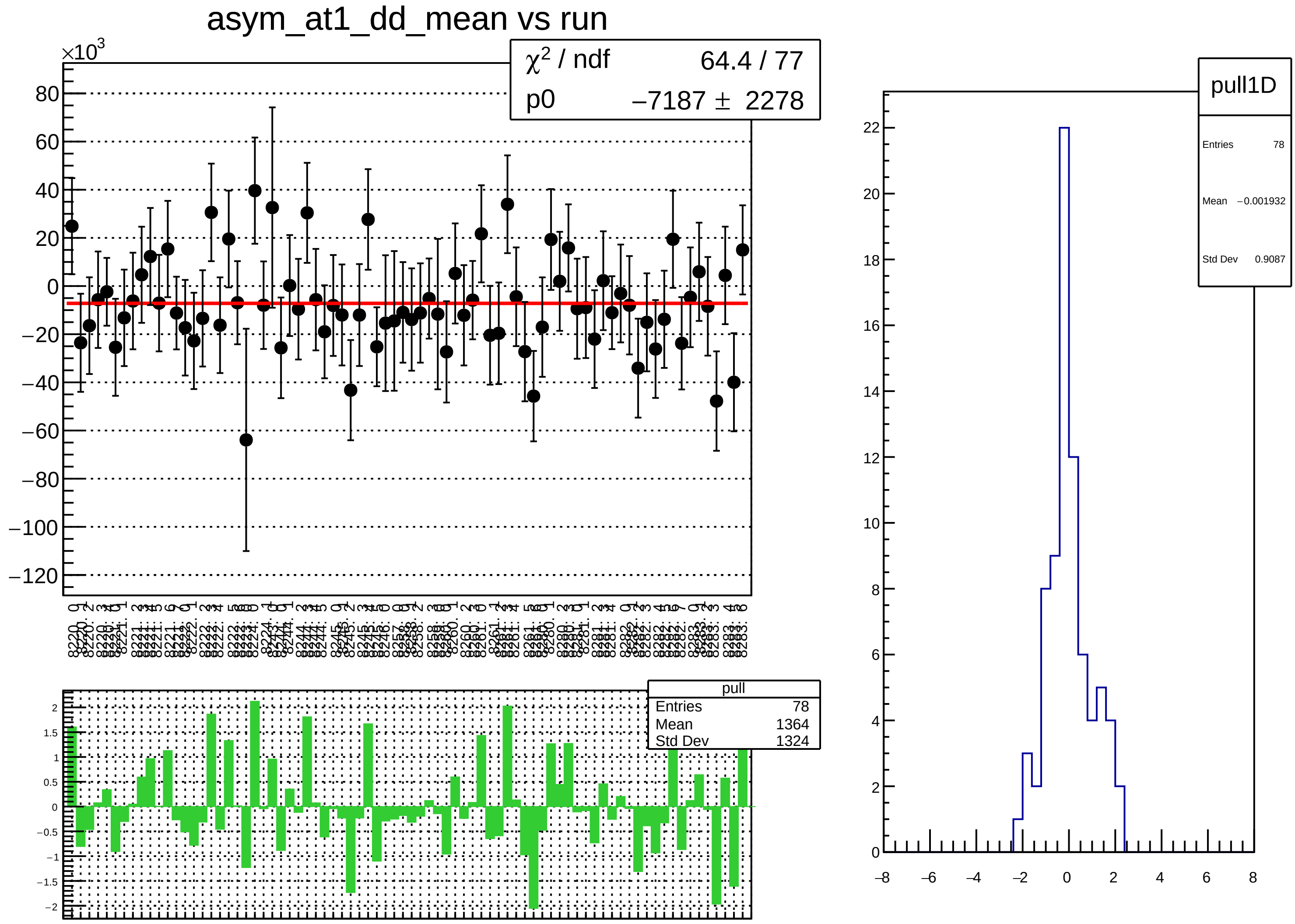

reg_asym_at1_dd_rms vs run
χ2 / ndf 9985 / 77
p0 1824 ± 1.502
5000
4500
4000
3500
3000
2500
2000
1500



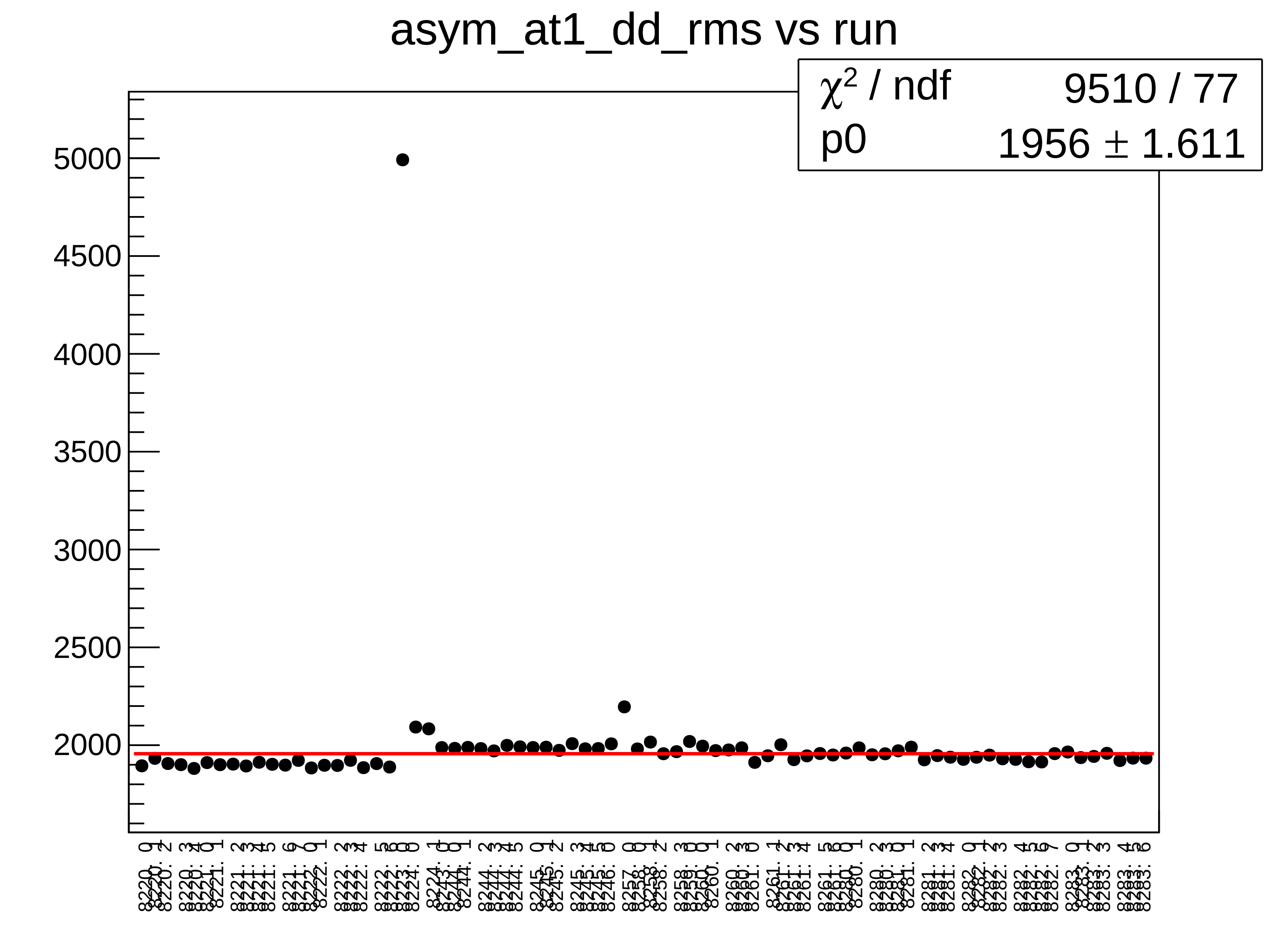
asym_at1_dd_correction_mean vs run
χ² / ndf 90.78 / 77
p0 3554 ± 789.2
pull
Entries 78
Mean −187
Std Dev 246.2
pull1D
Entries 78
Mean −0.01178
Std Dev 1.079

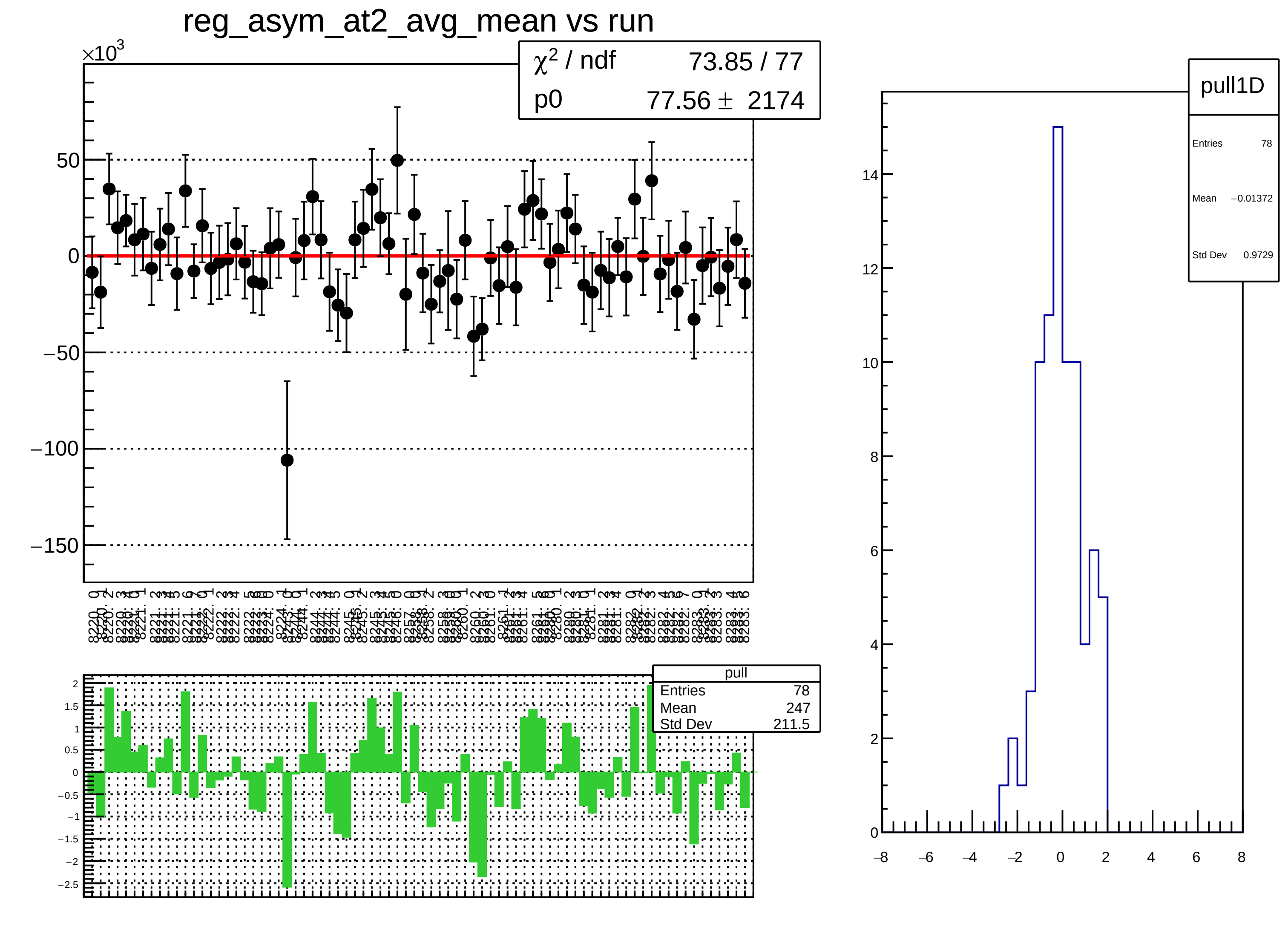


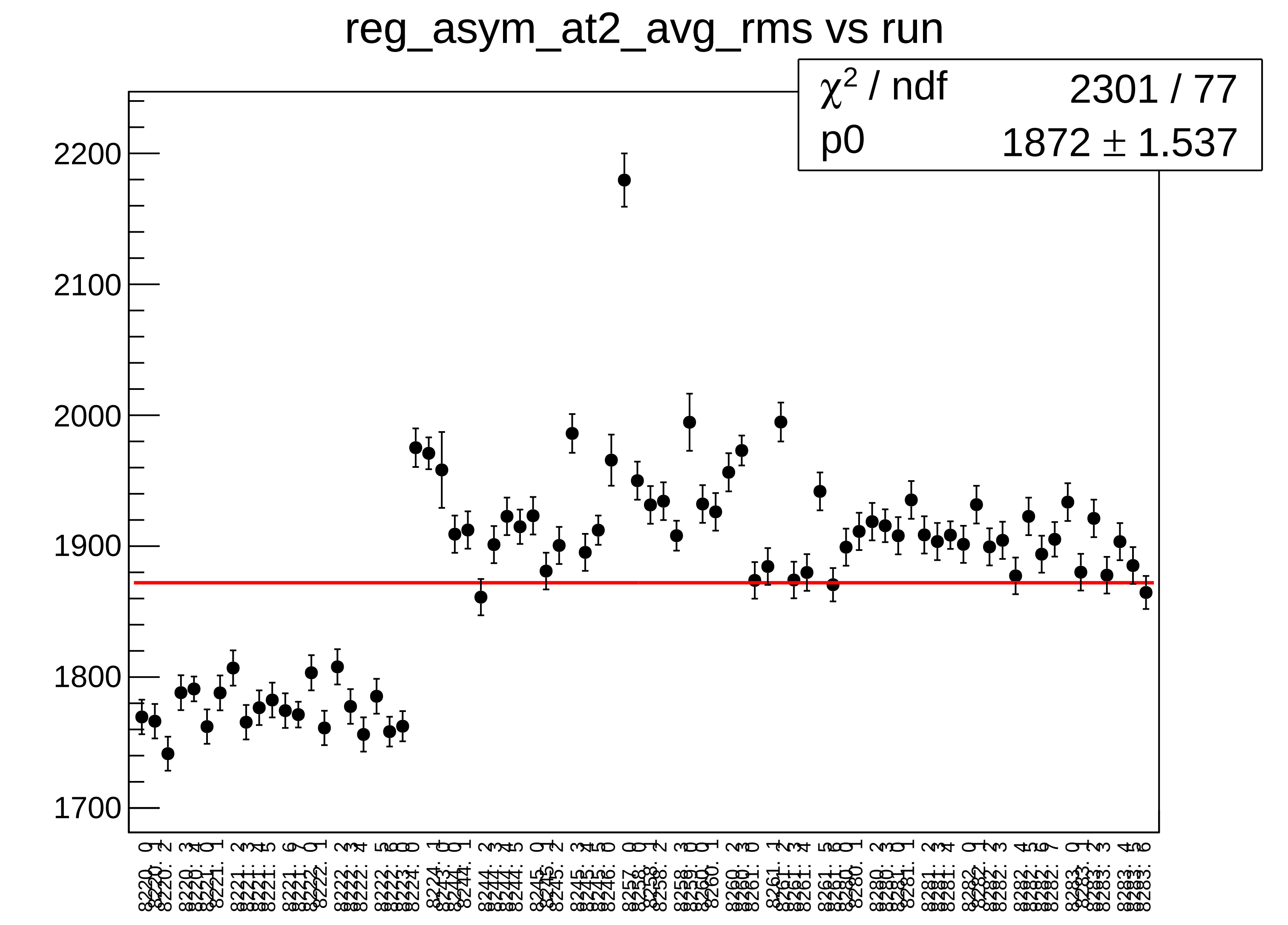
asym_at1_dd_correction_rms vs run
χ^2 / ndf 2.699e+04 / 77
p0 673.8 ± 0.558
900
800
700
600
500

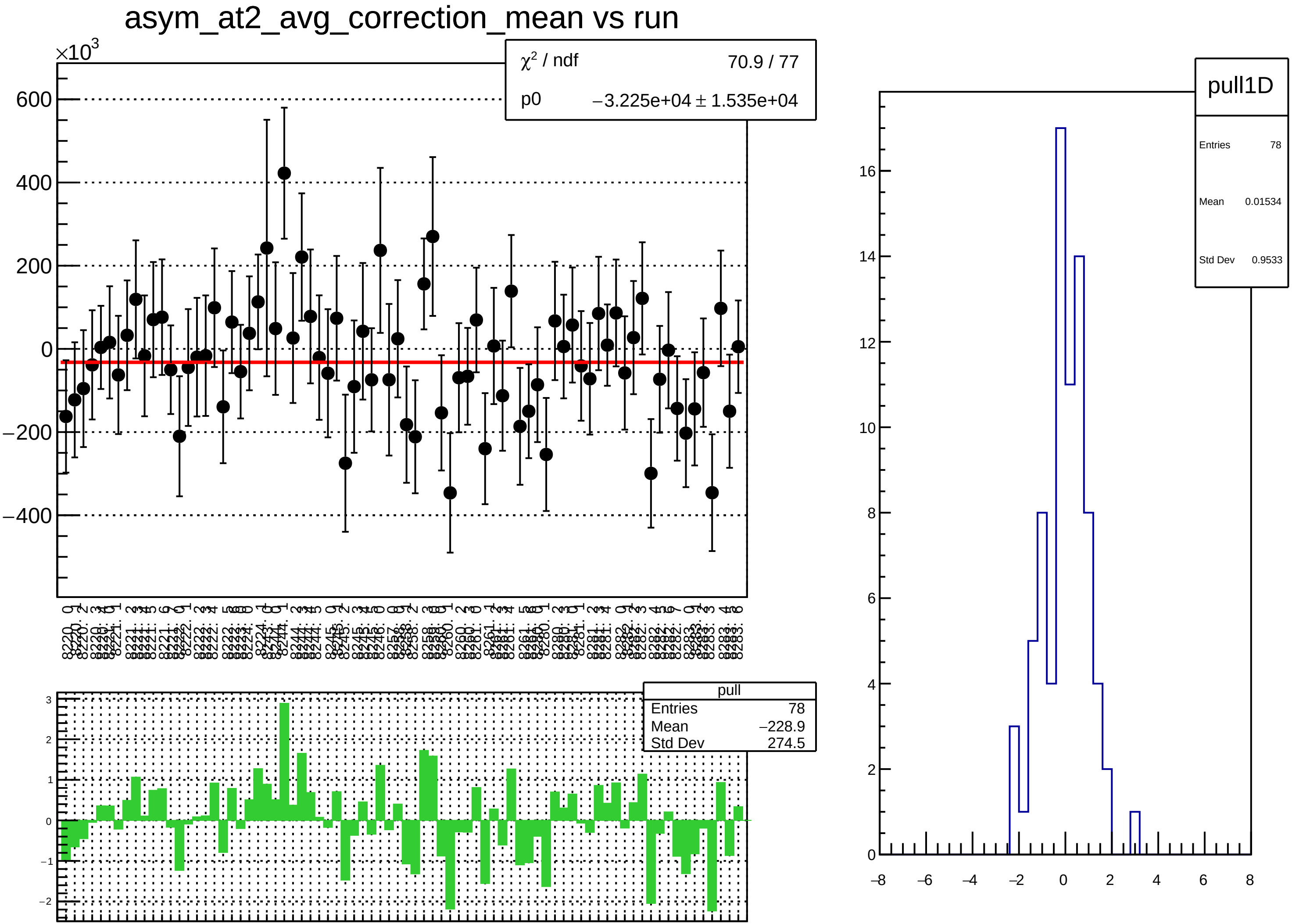


asym_at1_dd_mean vs run
$\times10^3$
χ^2 / ndf 64.4 / 77
p0 −7187 ± 2278
80
60
40
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 78
Mean 1364
Std Dev 1324
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −0.001932
Std Dev 0.9087
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

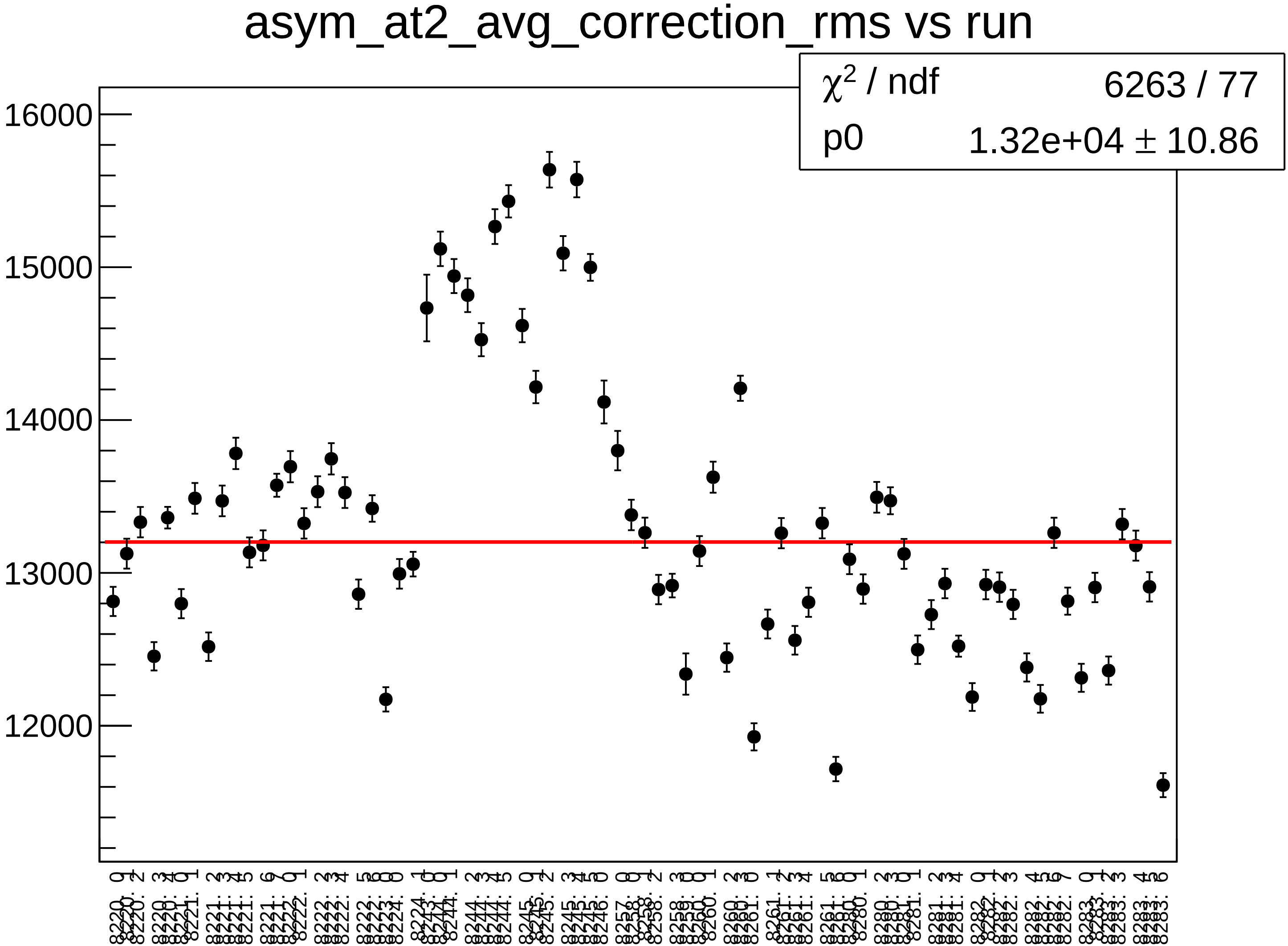

asym_at1_dd_rms vs run
χ2 / ndf 9510 / 77
p0 1956 ± 1.611
5000
4500
4000
3500
3000
2500
2000

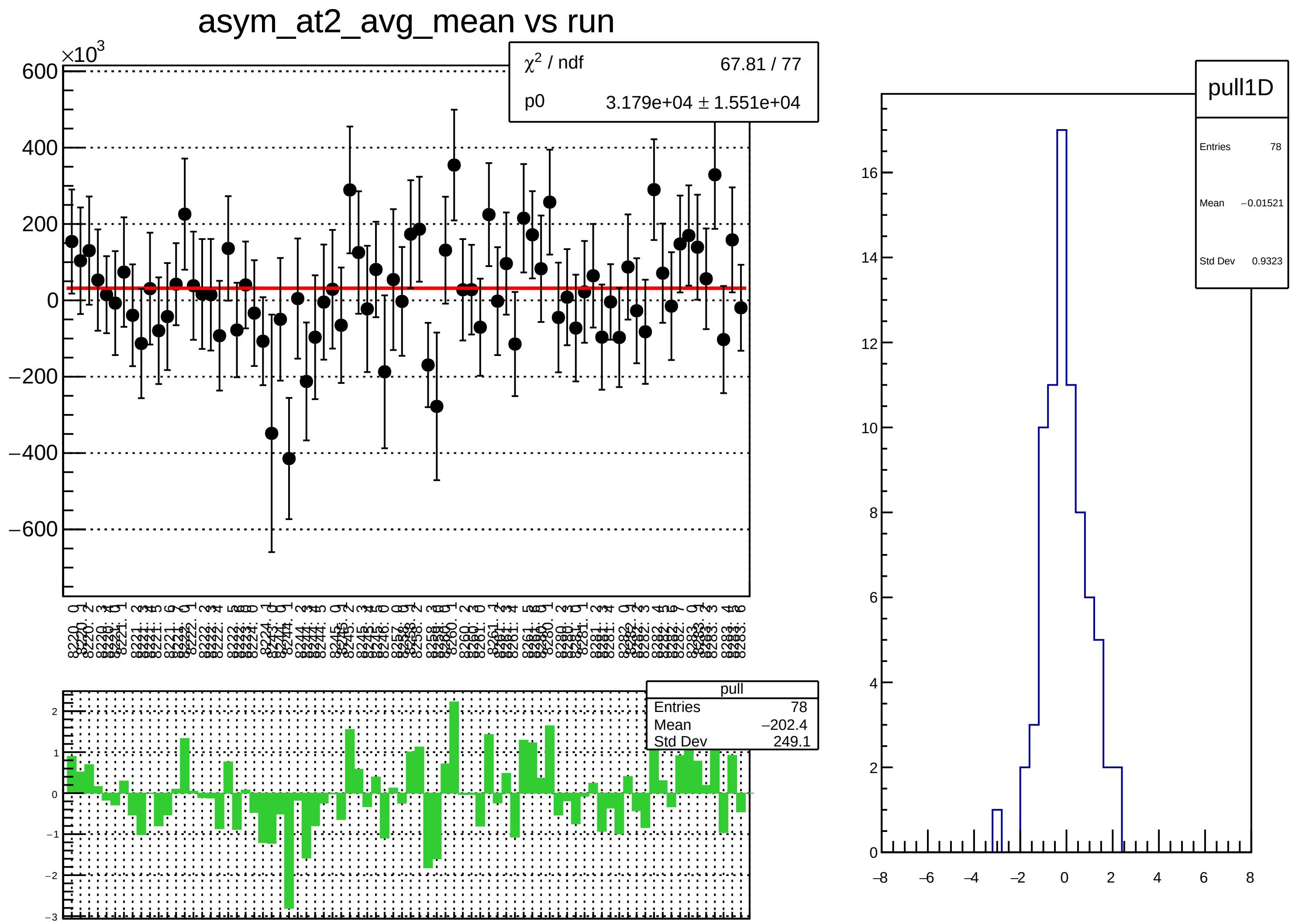

reg_asym_at2_avg_mean vs run
×10^3
χ2 / ndf 73.85 / 77
p0 77.56 ± 2174
50
0
−50
−100
−150
pull
Entries 78
Mean 247
Std Dev 211.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 78
Mean −0.01372
Std Dev 0.9729
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at2_avg_rms vs run
χ² / ndf 2301 / 77
p0 1872 ± 1.537
2200
2100
2000
1900
1800
1700

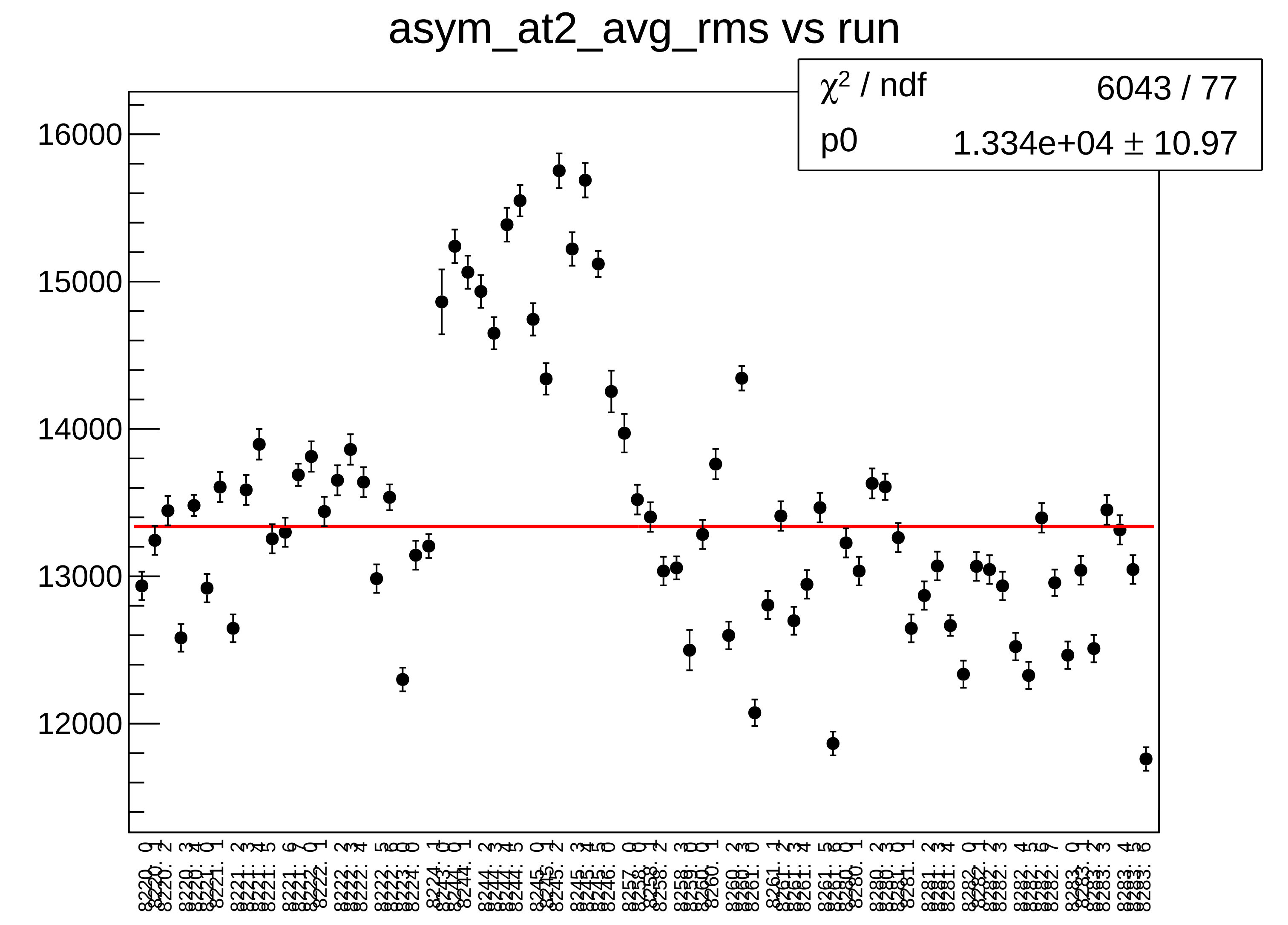


asym_at2_avg_correction_mean vs run
χ^2 / ndf 70.9 / 77
p0 −3.225e+04 ± 1.535e+04
pull
Entries 78
Mean −228.9
Std Dev 274.5
pull1D
Entries 78
Mean 0.01534
Std Dev 0.9533

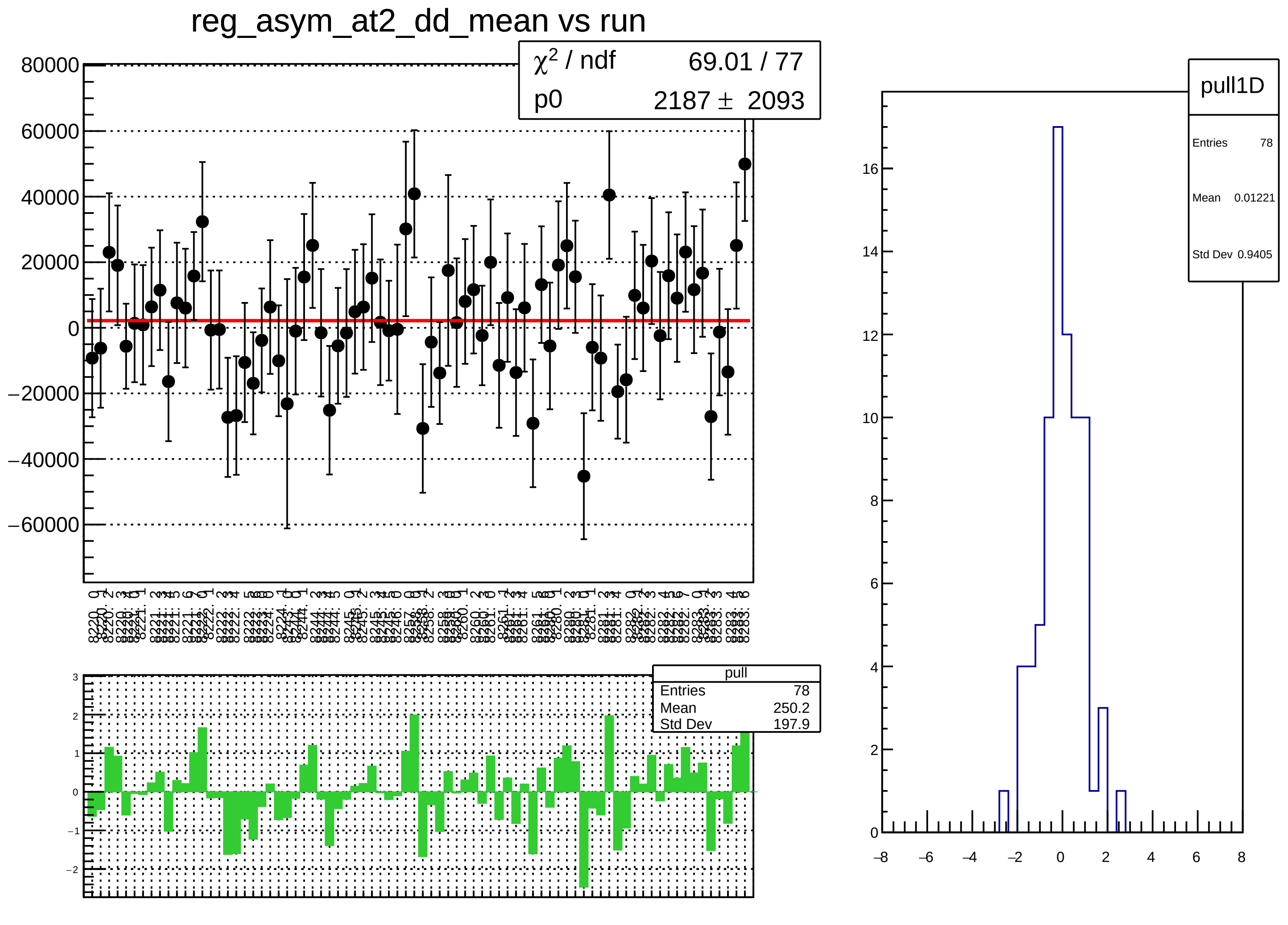

asym_at2_avg_correction_rms vs run
χ^2 / ndf 6263 / 77
p0 1.32e+04 ± 10.86
16000
15000
14000
13000
12000



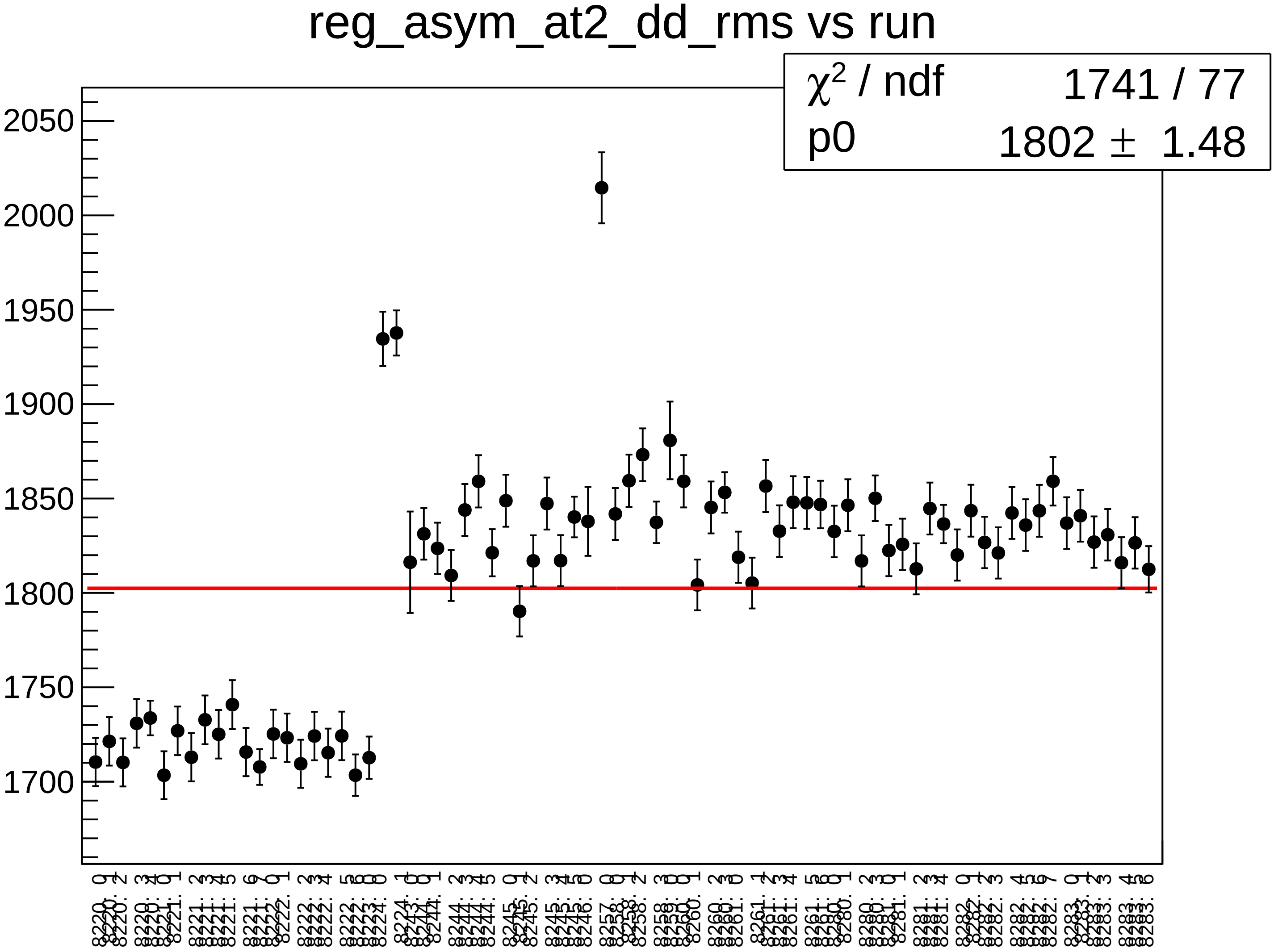
asym_at2_avg_mean vs run
$\times10^3$
χ^2 / ndf 67.81 / 77
p0 3.179e+04 ± 1.551e+04
pull
Entries 78
Mean −202.4
Std Dev 249.1
pull1D
Entries 78
Mean −0.01521
Std Dev 0.9323

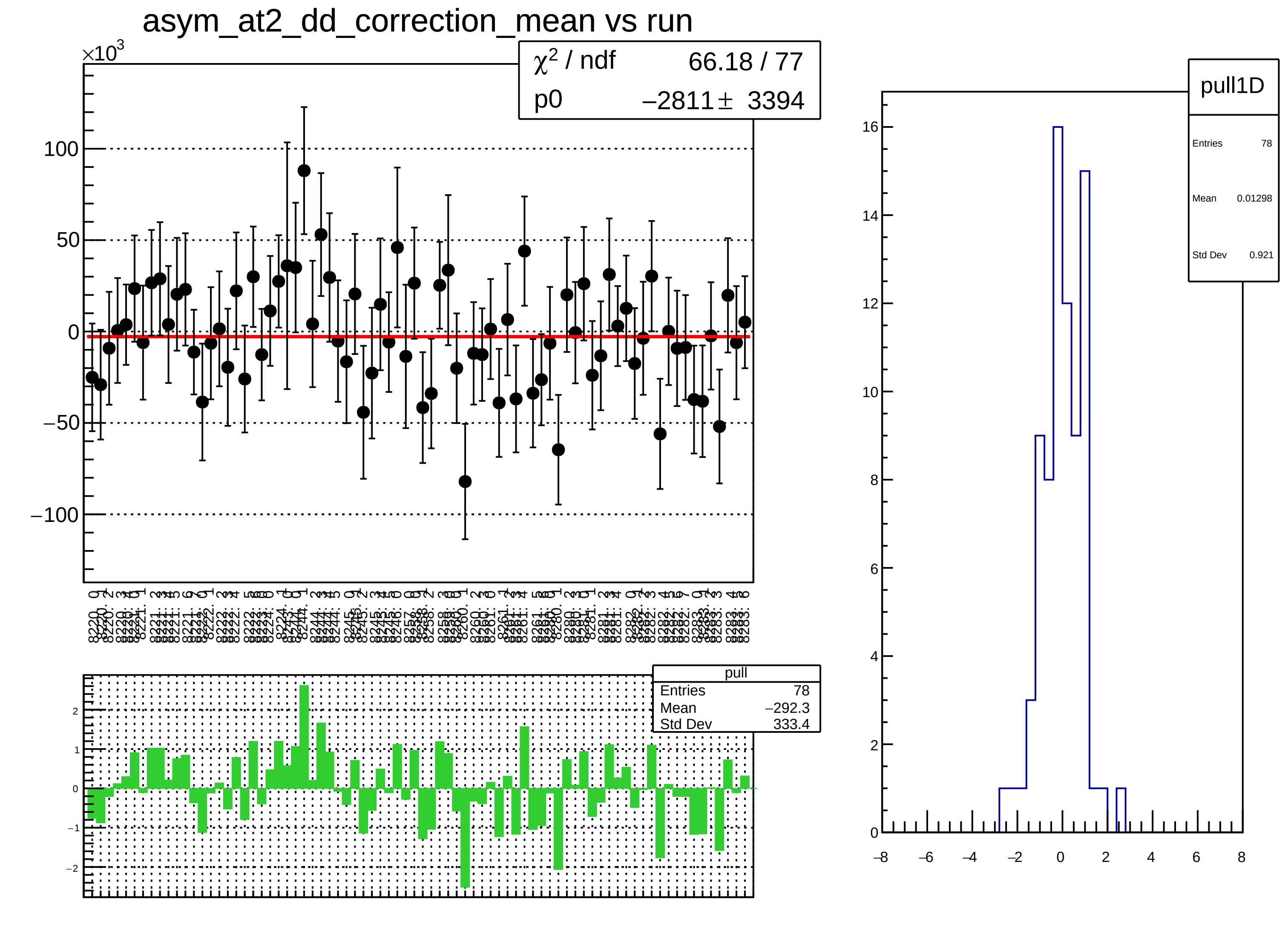


asym_at2_avg_rms vs run
χ2 / ndf 6043 / 77
p0 1.334e+04 ± 10.97
16000
15000
14000
13000
12000

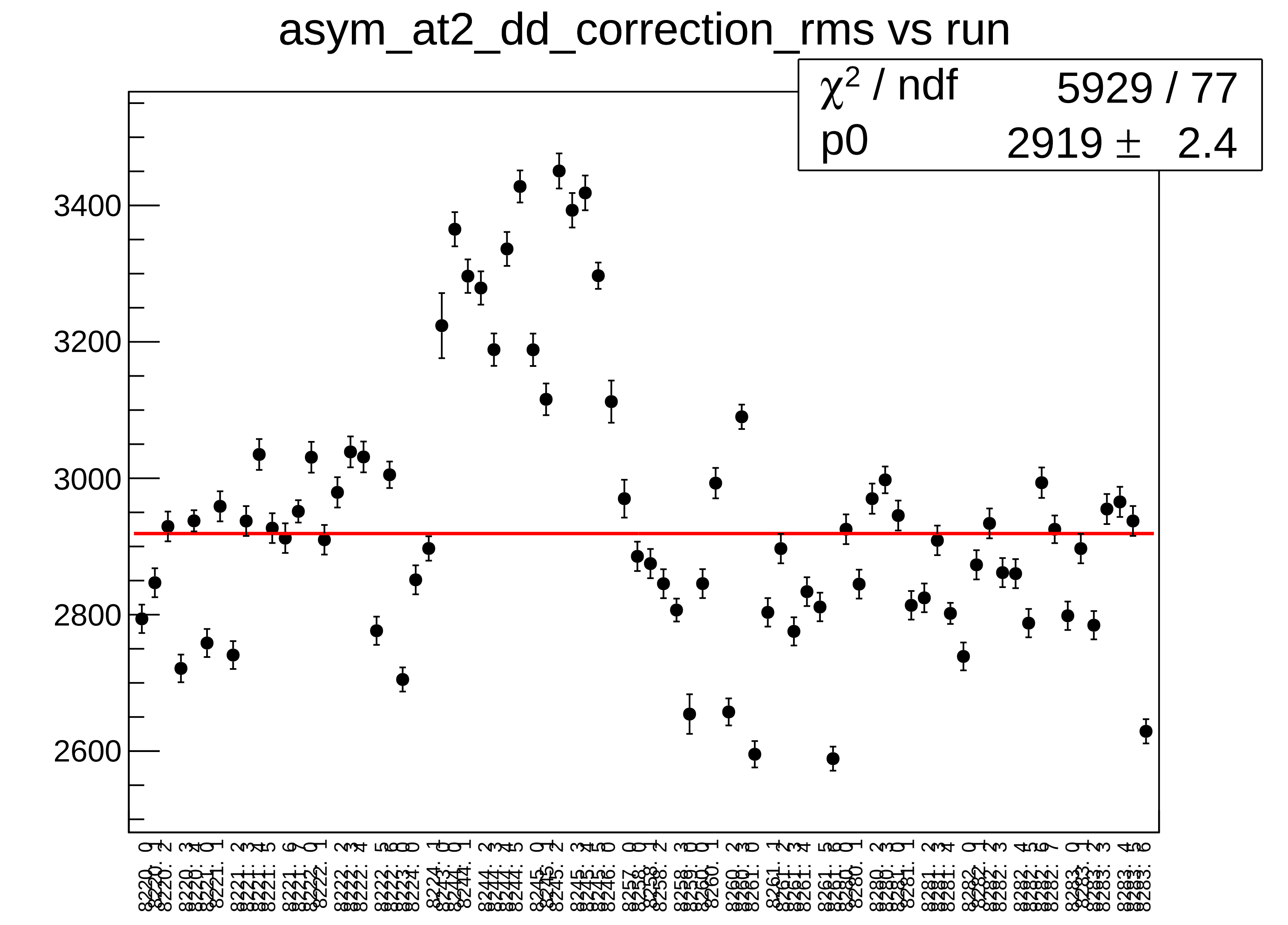


reg_asym_at2_dd_mean vs run
χ^2 / ndf 69.01 / 77
p0 2187 ± 2093
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean 250.2
Std Dev 197.9
3
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01221
Std Dev 0.9405
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

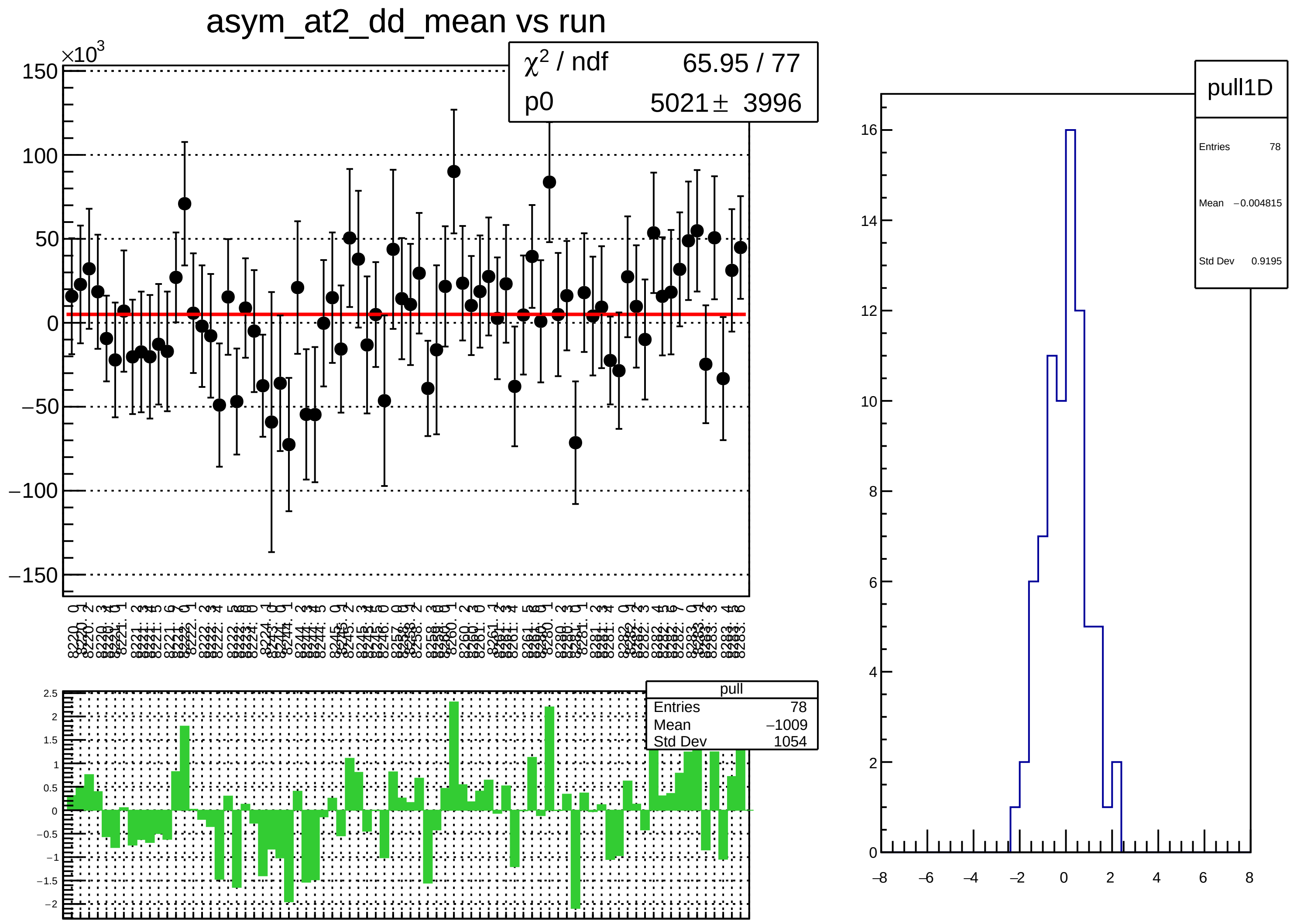

reg_asym_at2_dd_rms vs run
χ^2 / ndf 1741 / 77
p0 1802 ± 1.48
2050
2000
1950
1900
1850
1800
1750
1700

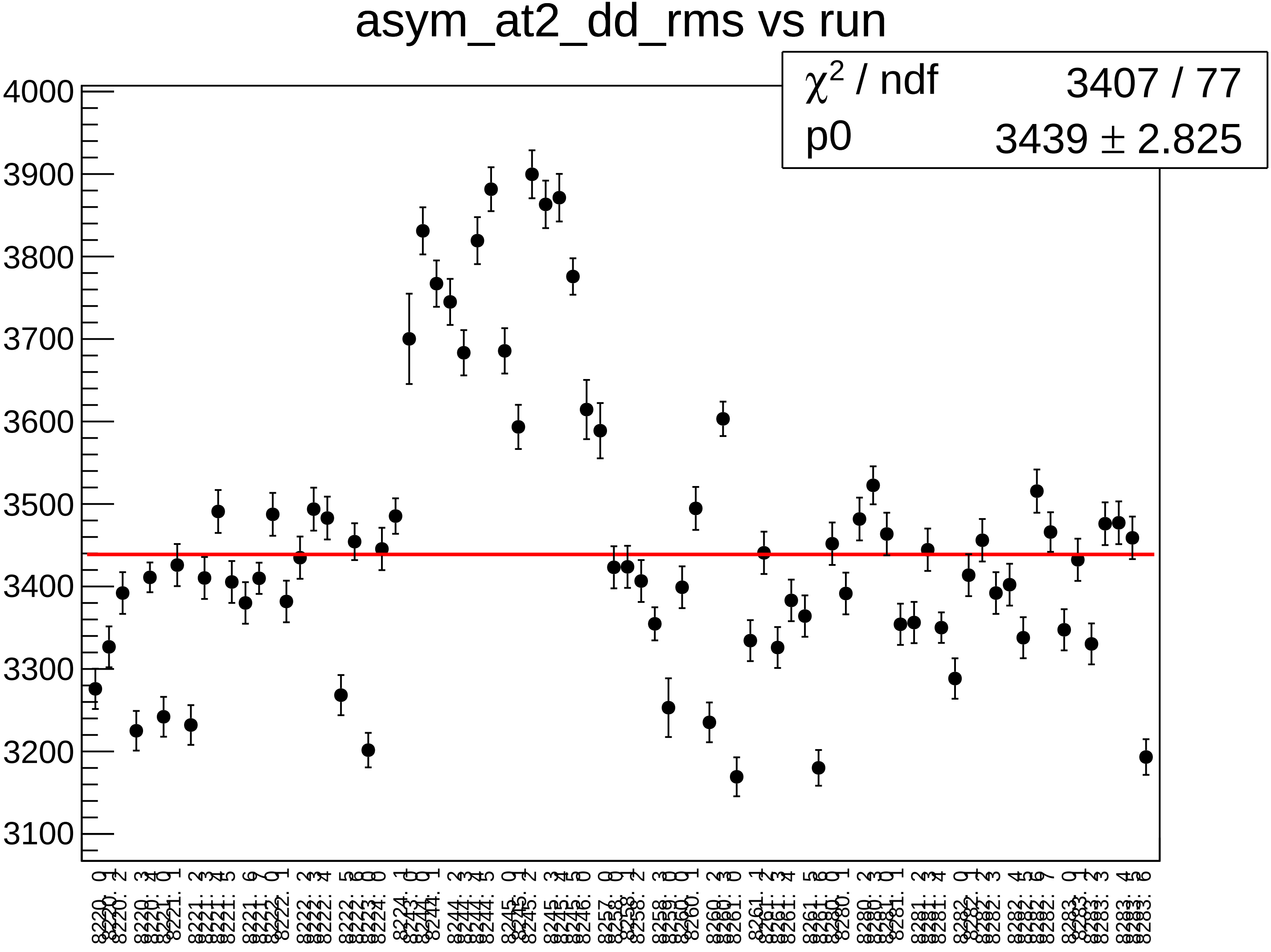


asym_at2_dd_correction_mean vs run
×10^3
χ2 / ndf 66.18 / 77
p0 −2811 ± 3394
pull
Entries 78
Mean −292.3
Std Dev 333.4
pull1D
Entries 78
Mean 0.01298
Std Dev 0.921

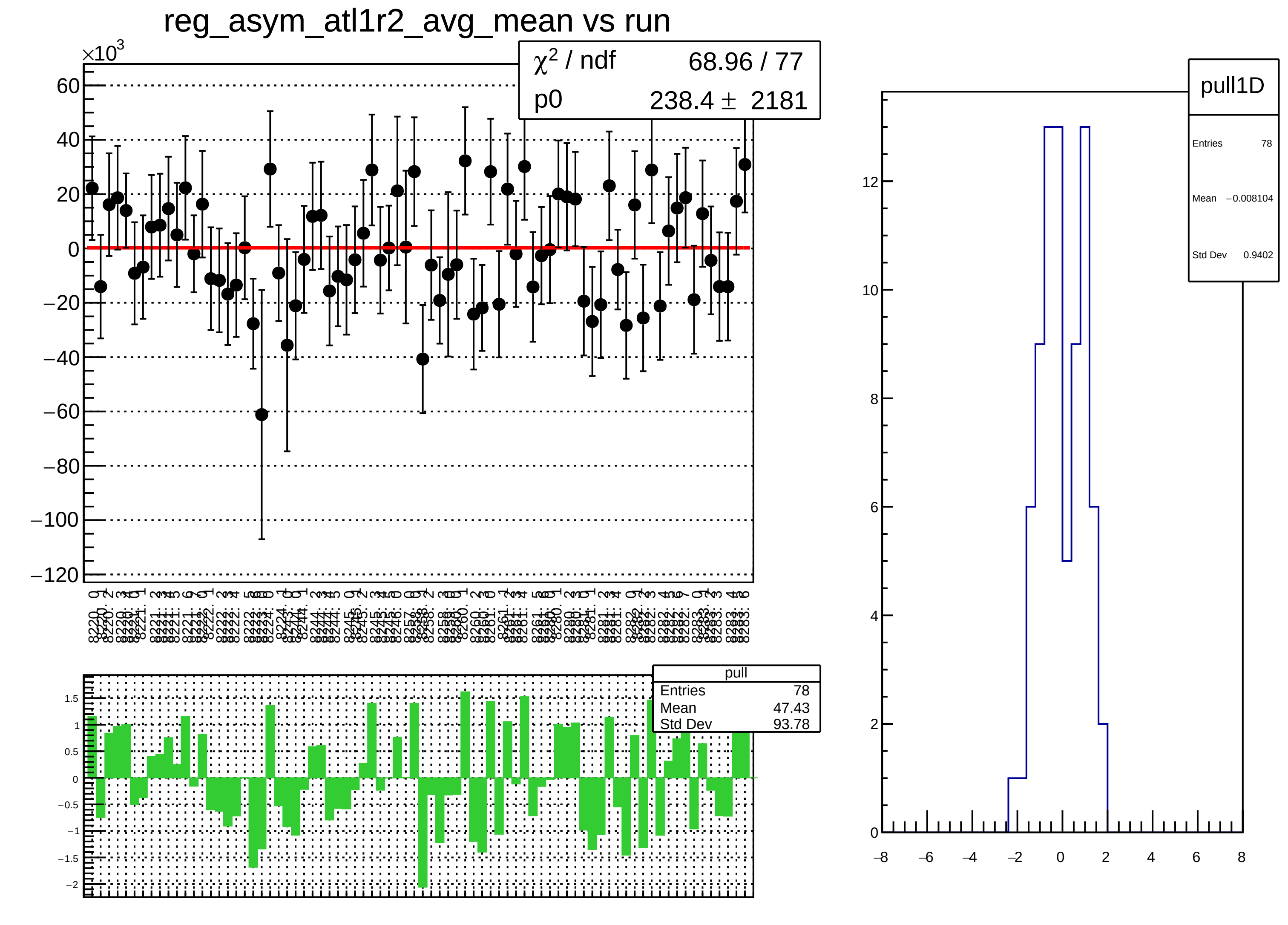


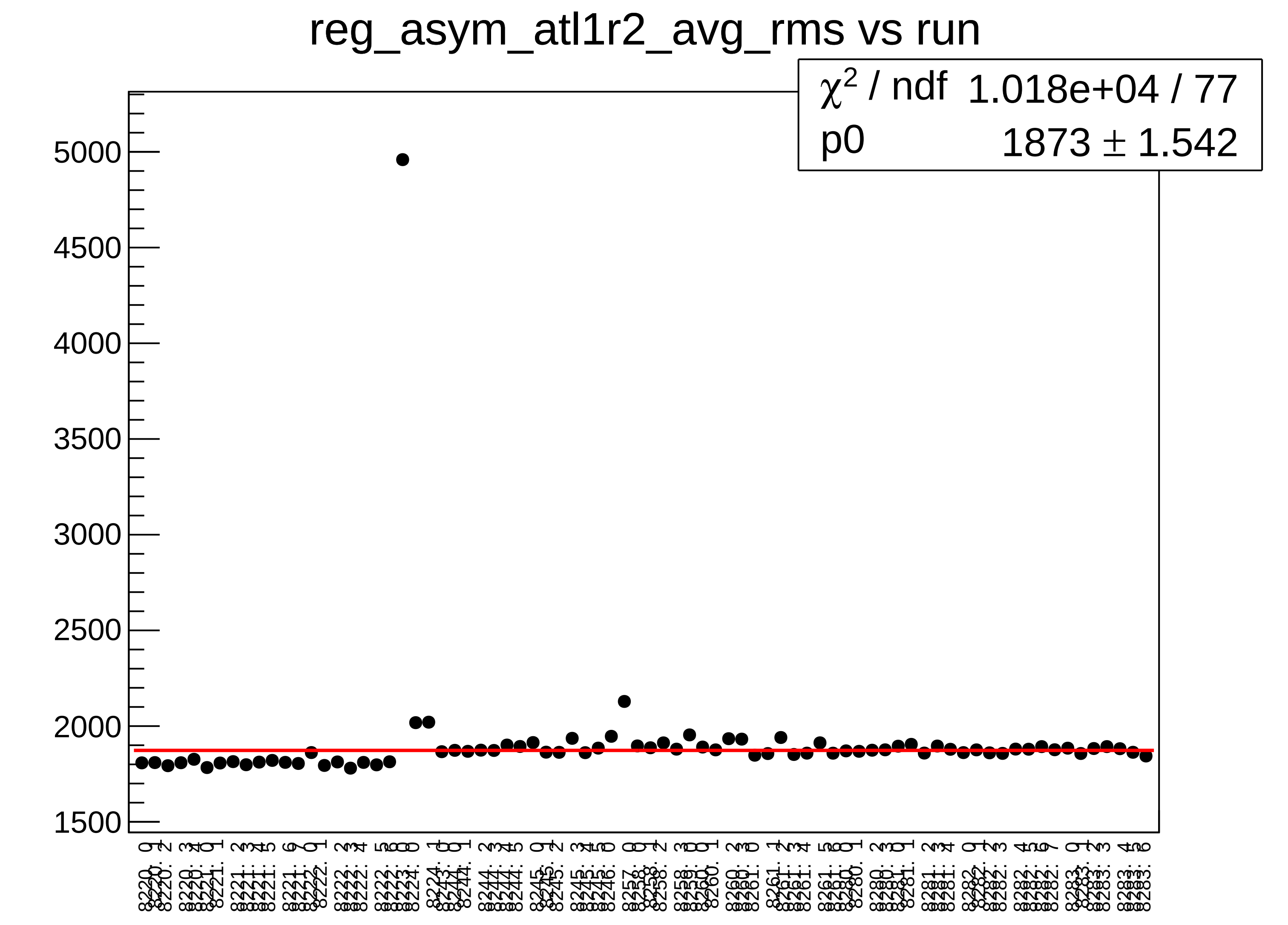
asym_at2_dd_correction_rms vs run
χ2 / ndf 5929 / 77
p0 2919 ± 2.4
3400
3200
3000
2800
2600


asym_at2_dd_mean vs run
$\times10^{3}$
χ^2 / ndf 65.95 / 77
p0 5021 ± 3996
pull
Entries 78
Mean −1009
Std Dev 1054
pull1D
Entries 78
Mean −0.004815
Std Dev 0.9195

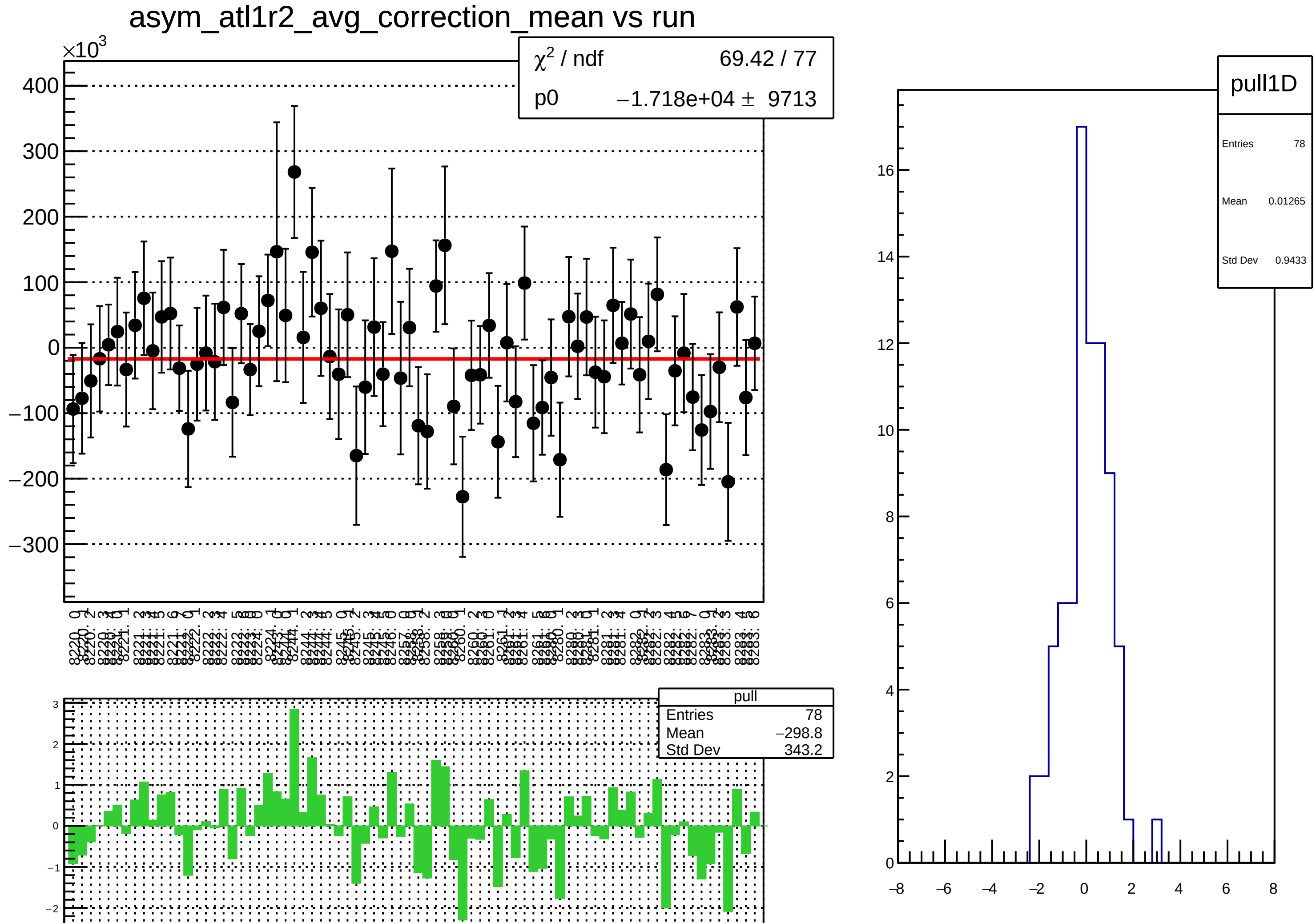


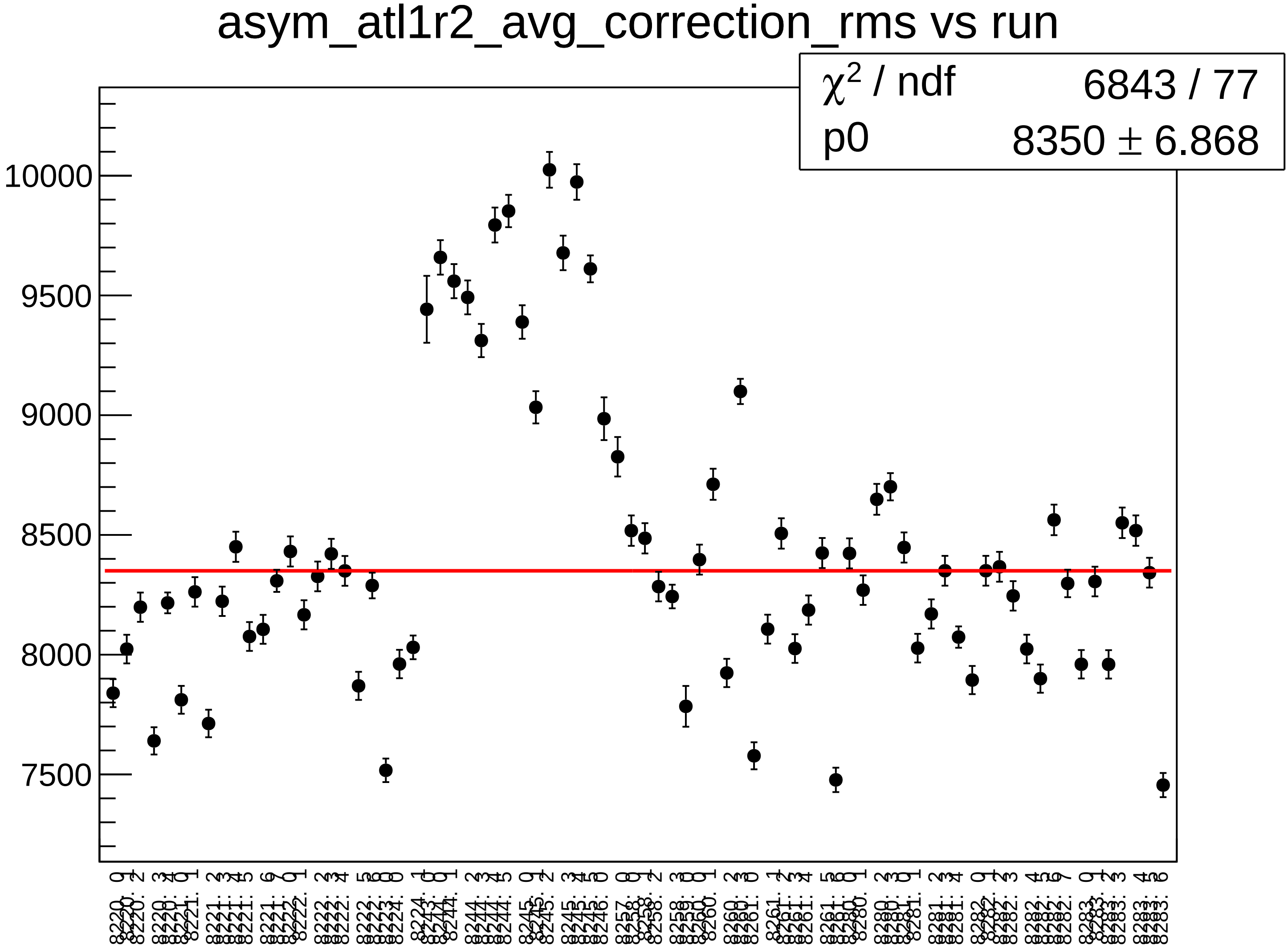
asym_at2_dd_rms vs run
χ2 / ndf 3407 / 77
p0 3439 ± 2.825
4000
3900
3800
3700
3600
3500
3400
3300
3200
3100

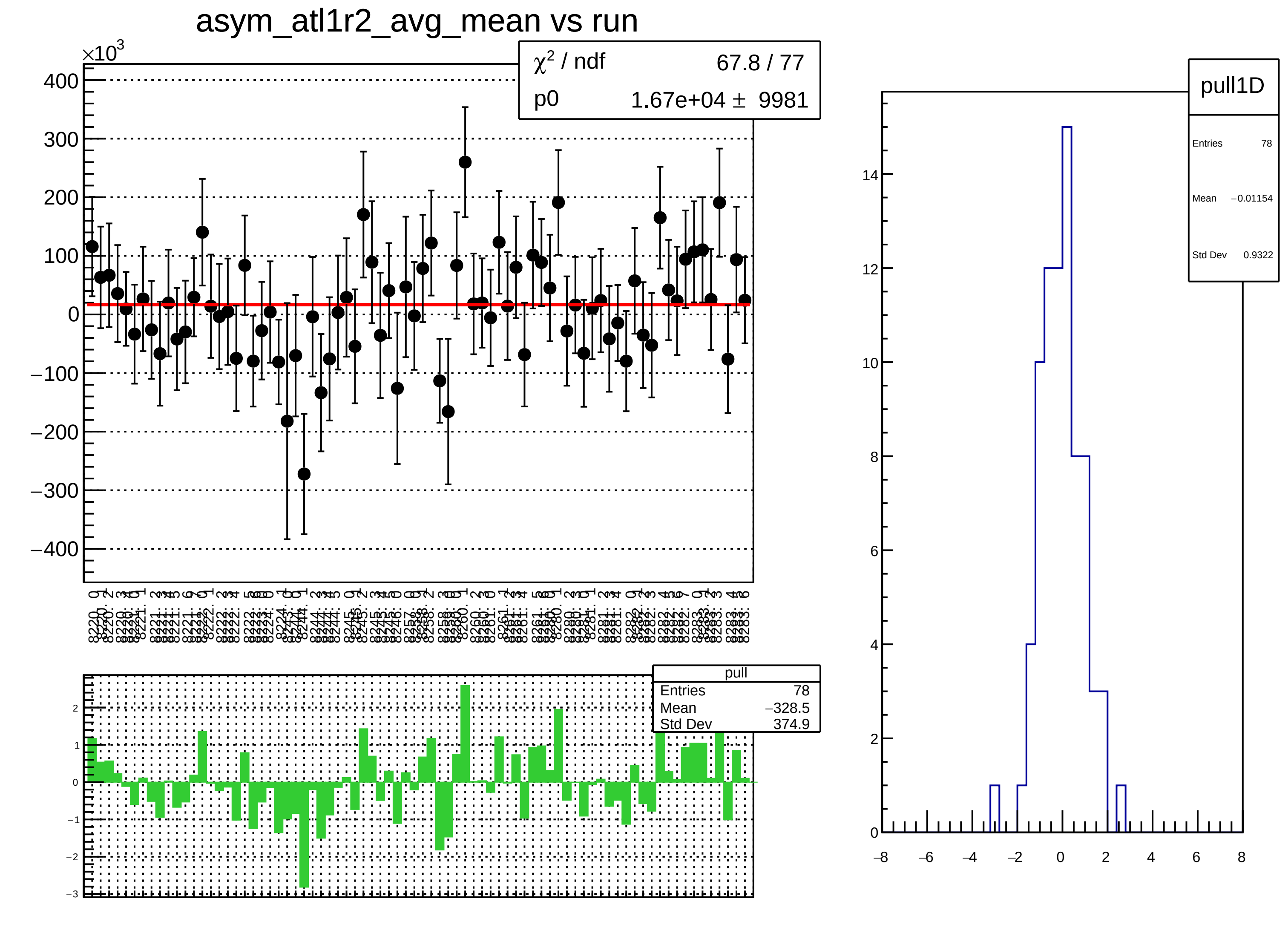

reg_asym_atl1r2_avg_mean vs run
×10^3
χ2 / ndf 68.96 / 77
p0 238.4 ± 2181
pull
Entries 78
Mean 47.43
Std Dev 93.78
pull1D
Entries 78
Mean −0.008104
Std Dev 0.9402



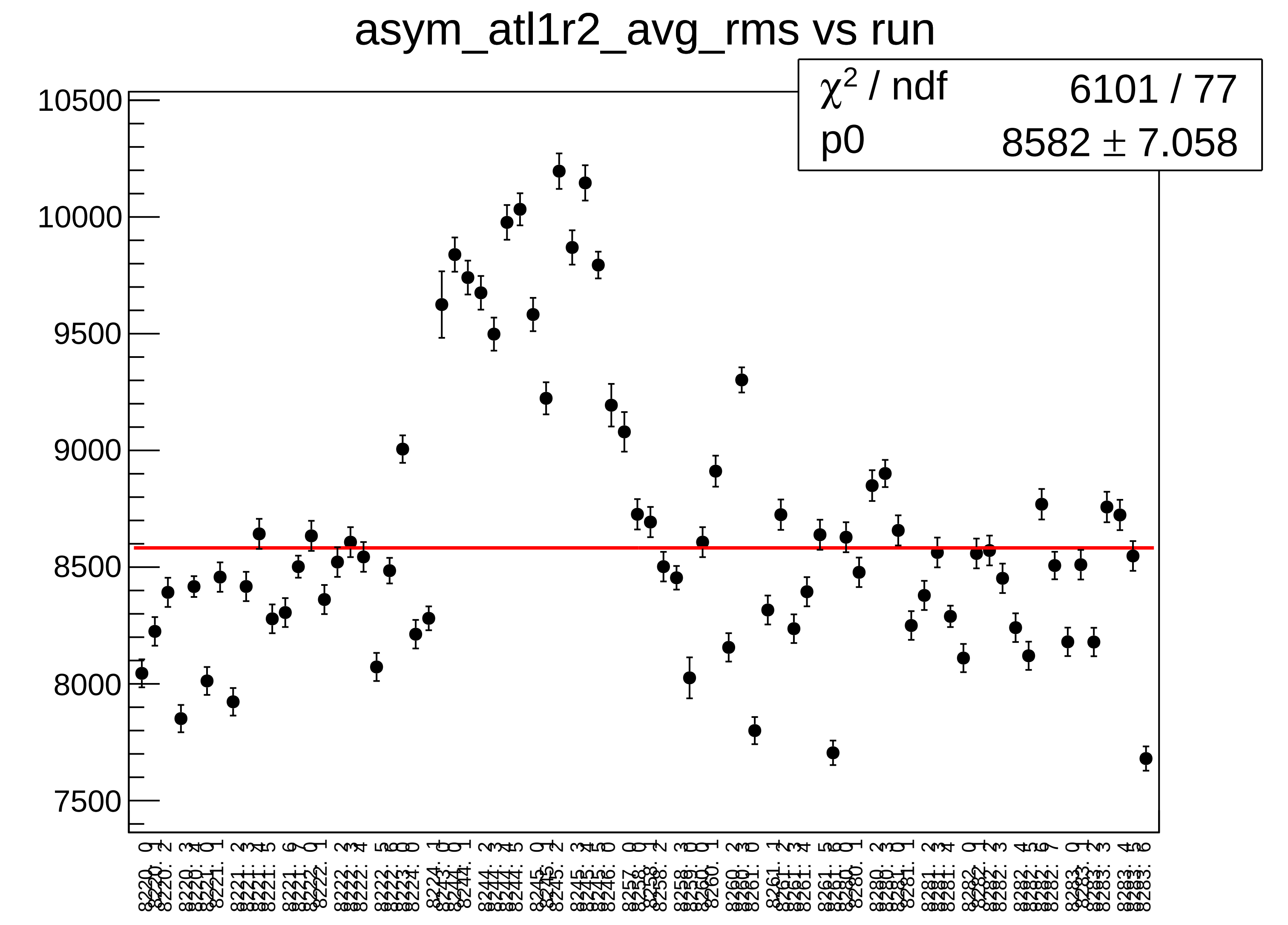
reg_asym_atl1r2_avg_rms vs run
χ² / ndf 1.018e+04 / 77
p0 1873 ± 1.542
5000
4500
4000
3500
3000
2500
2000
1500


asym_atl1r2_avg_correction_mean vs run
×10^3
χ2 / ndf 69.42 / 77
p0 −1.718e+04 ± 9713
400
300
200
100
0
−100
−200
−300
pull
Entries 78
Mean −298.8
Std Dev 343.2
3
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01265
Std Dev 0.9433
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

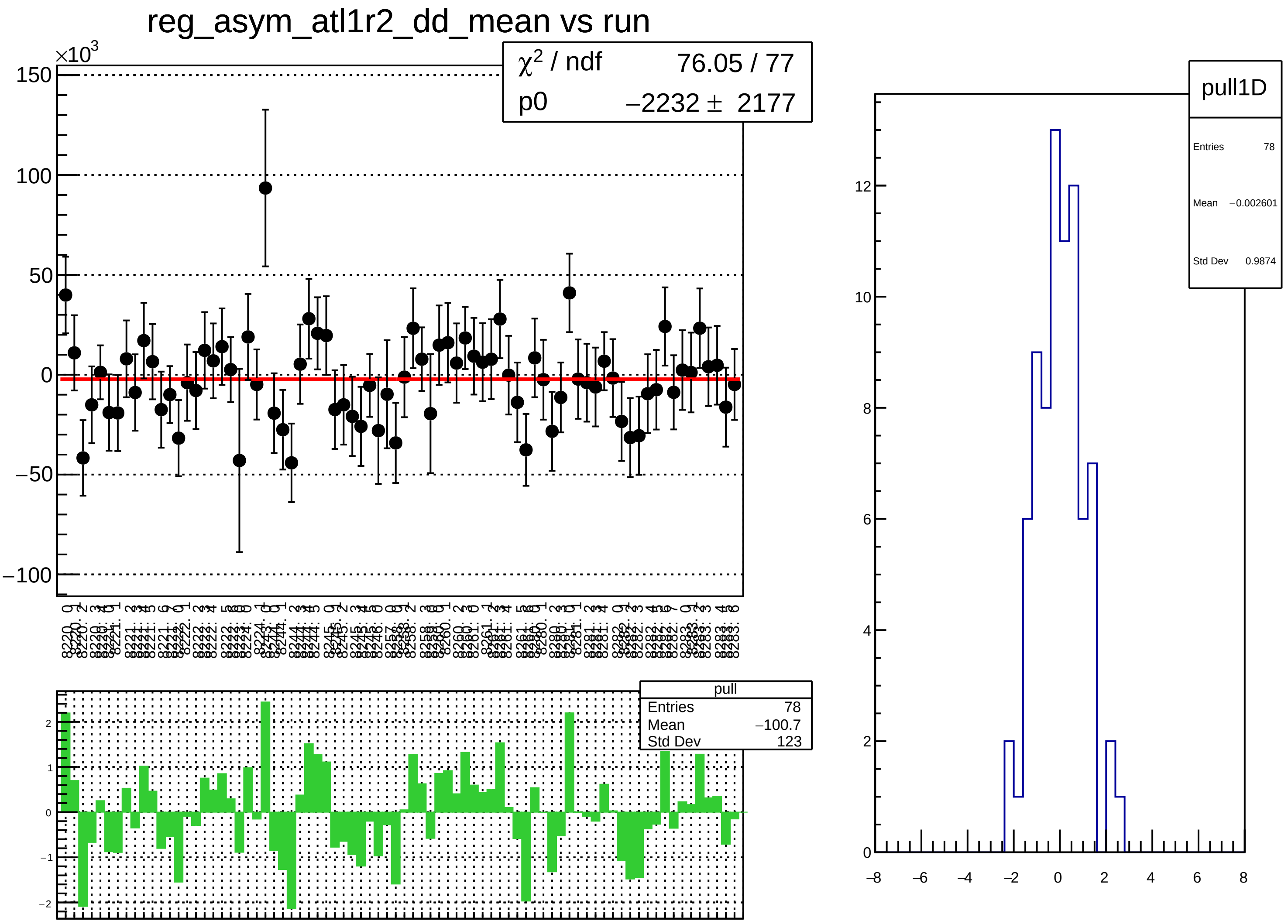

asym_atl1r2_avg_correction_rms vs run
χ2 / ndf 6843 / 77
p0 8350 ± 6.868
10000
9500
9000
8500
8000
7500



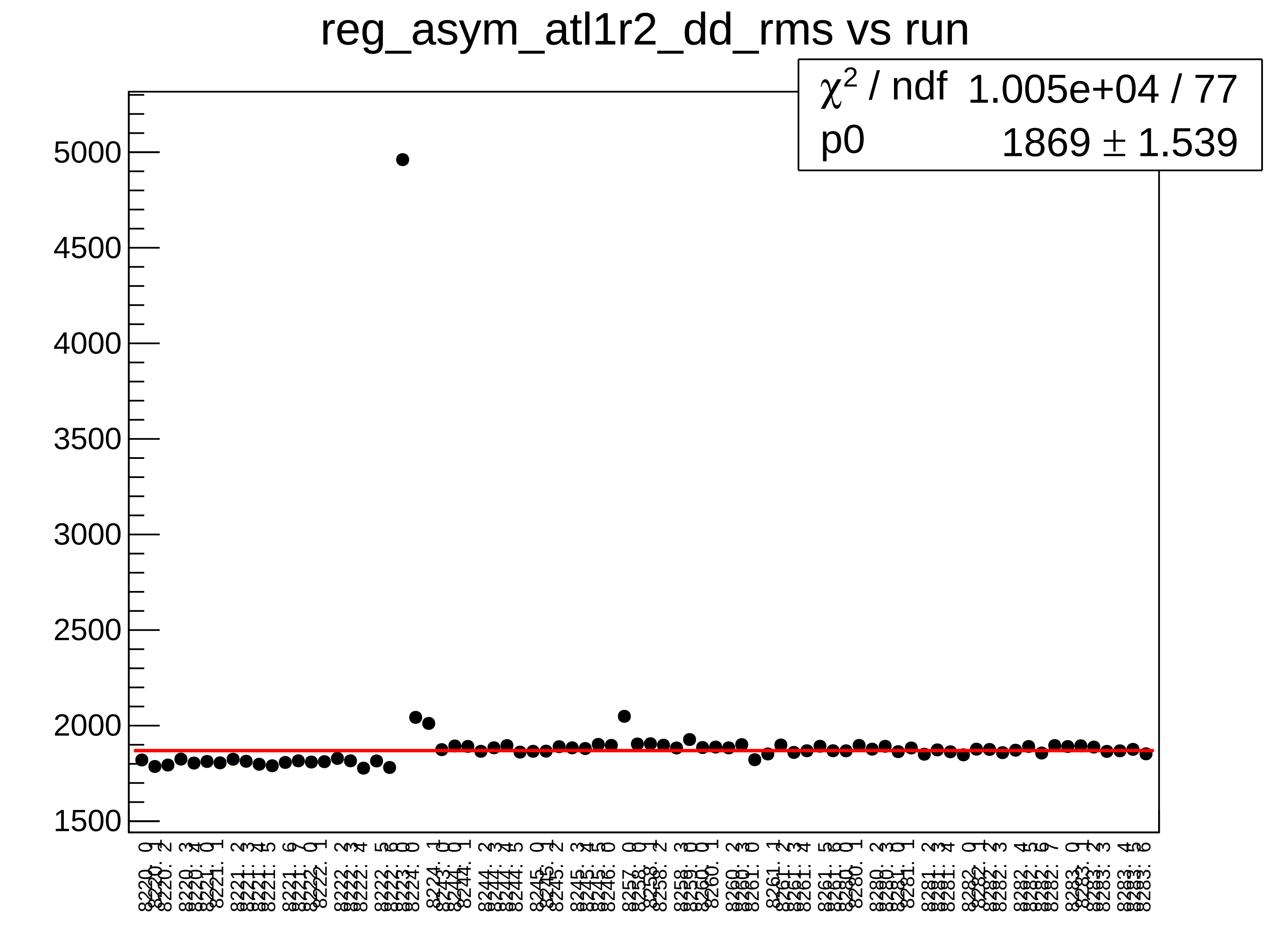
asym_atl1r2_avg_mean vs run
×10^3
χ^2 / ndf 67.8 / 77
p0 1.67e+04 ± 9981
pull
Entries 78
Mean −328.5
Std Dev 374.9
pull1D
Entries 78
Mean −0.01154
Std Dev 0.9322

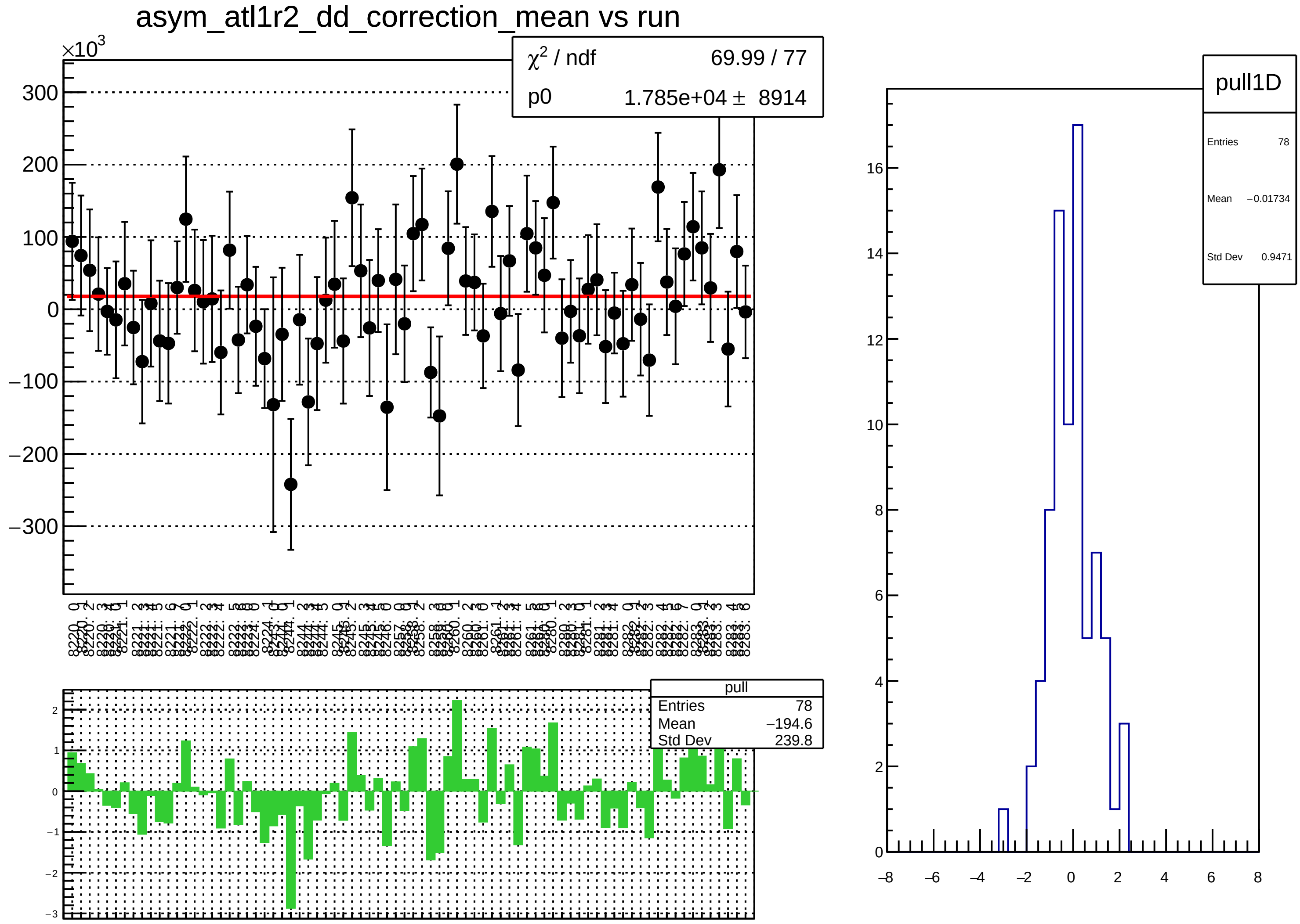


asym_atl1r2_avg_rms vs run
χ^2 / ndf 6101 / 77
p0 8582 ± 7.058
10500
10000
9500
9000
8500
8000
7500

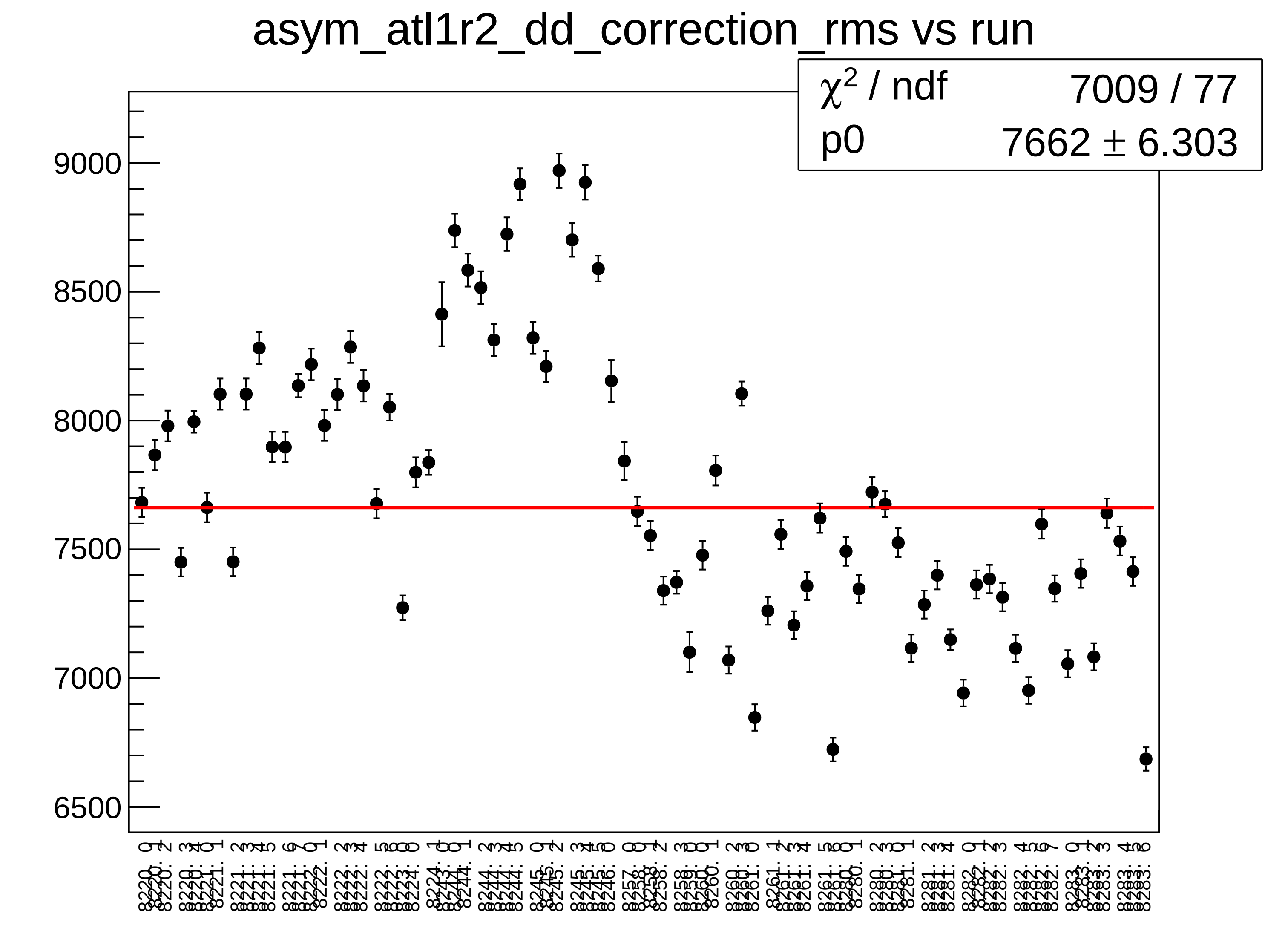


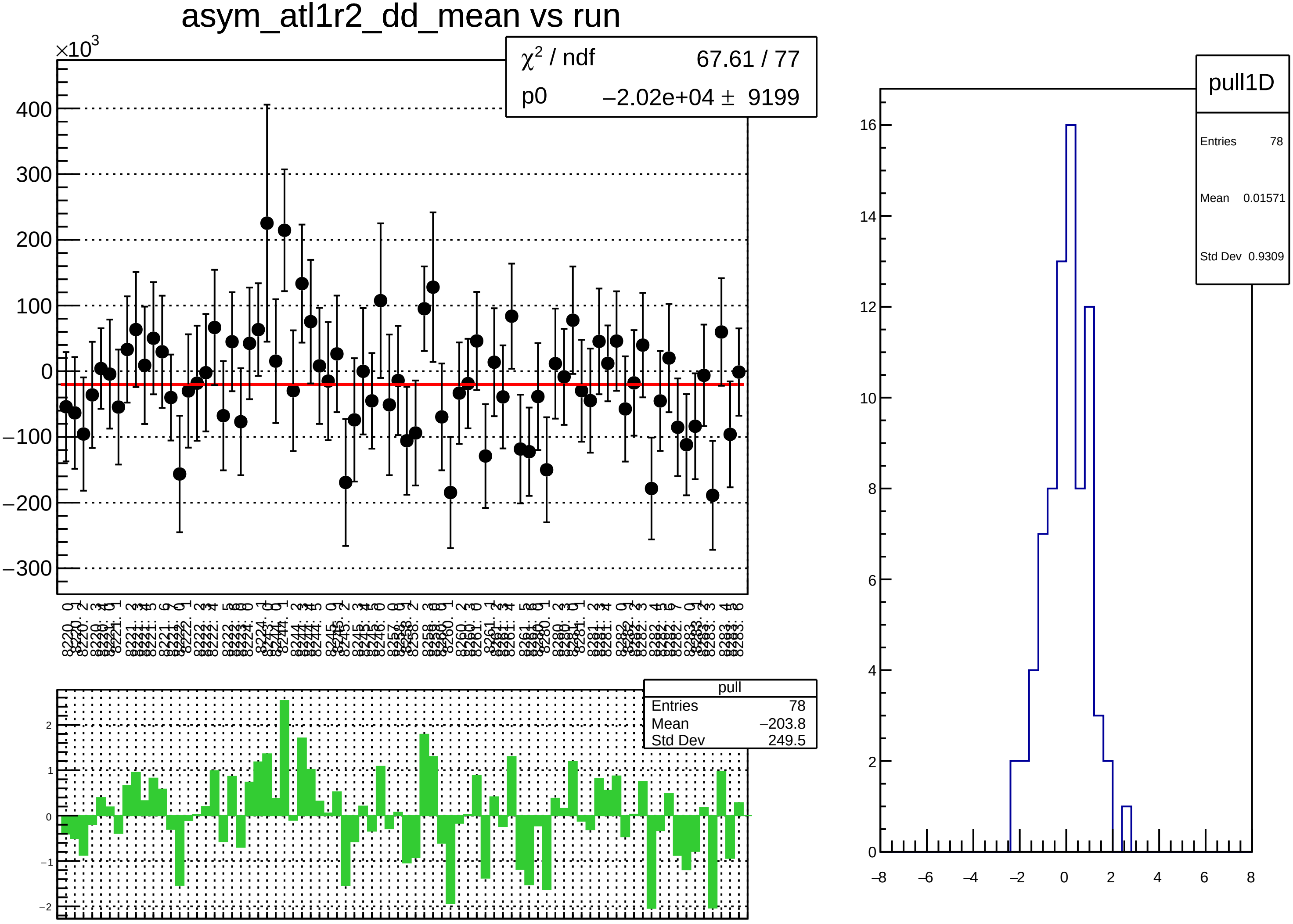
reg_asym_atl1r2_dd_mean vs run
$\times 10^3$
χ^2 / ndf 76.05 / 77
p0 −2232 ± 2177
150
100
50
0
−50
−100
pull
Entries 78
Mean −100.7
Std Dev 123
pull1D
Entries 78
Mean −0.002601
Std Dev 0.9874

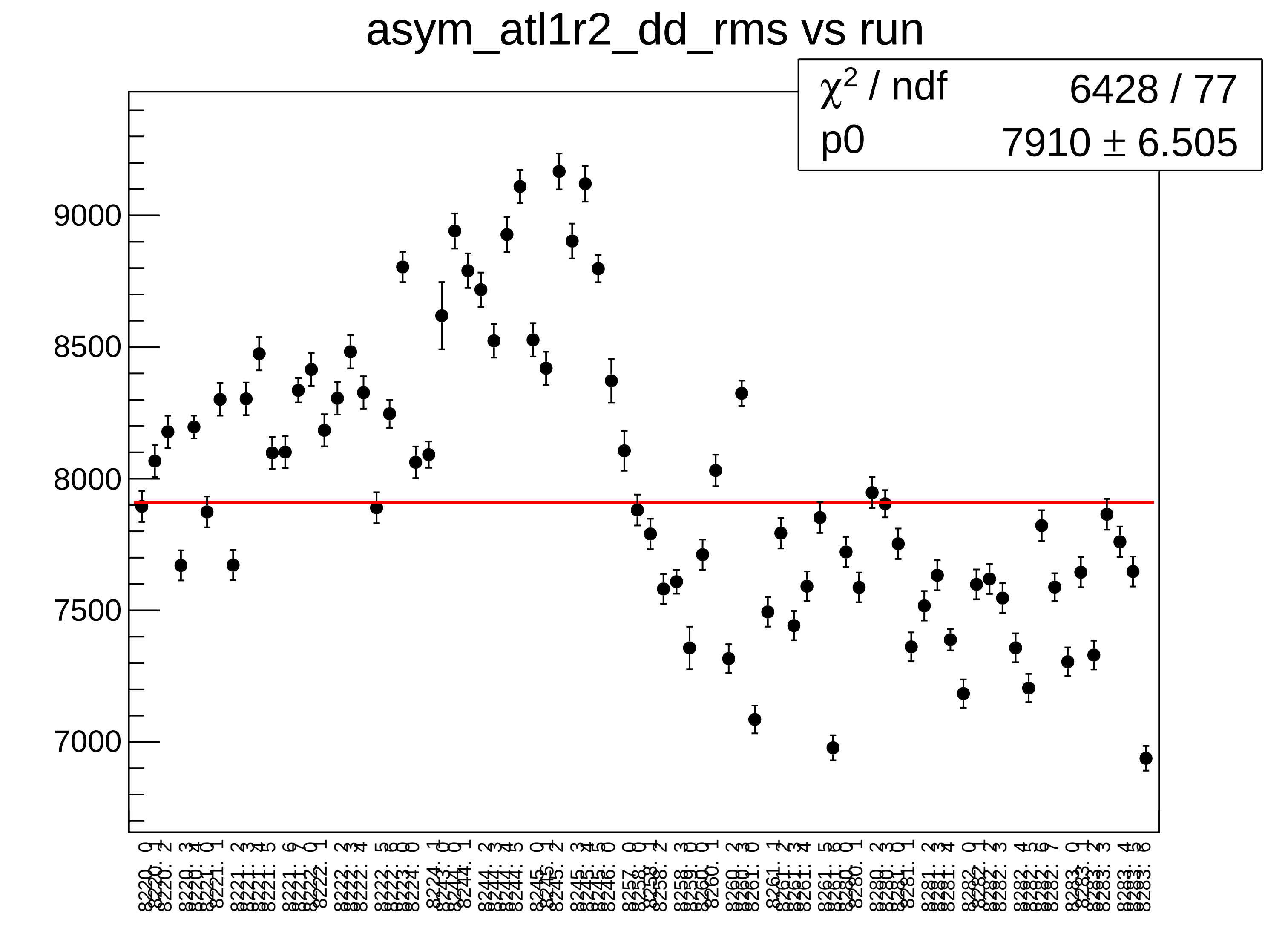

reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 1.005e+04 / 77
p0 1869 ± 1.539
5000
4500
4000
3500
3000
2500
2000
1500



asym_atl1r2_dd_correction_mean vs run
×10^3
χ2 / ndf 69.99 / 77
p0 1.785e+04 ± 8914
pull
Entries 78
Mean −194.6
Std Dev 239.8
pull1D
Entries 78
Mean −0.01734
Std Dev 0.9471

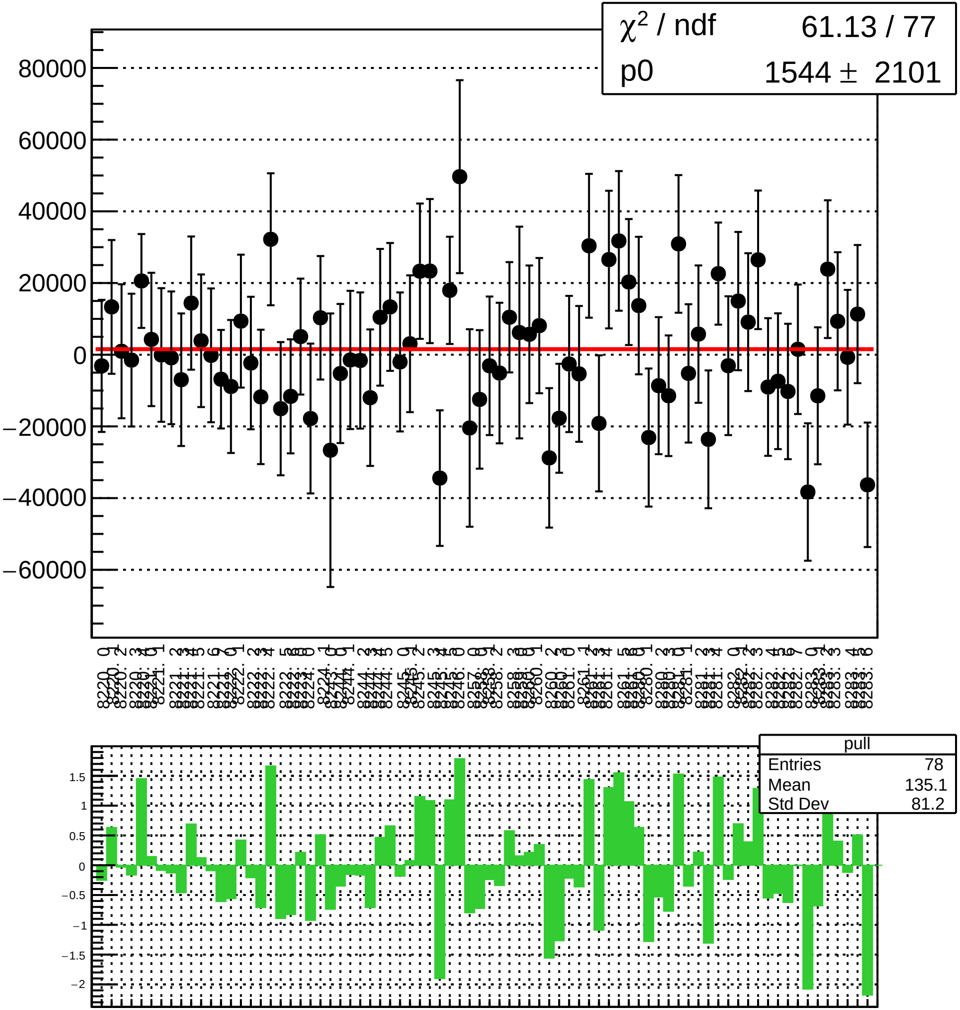

asym_atl1r2_dd_correction_rms vs run
χ^2 / ndf 7009 / 77
p0 7662 ± 6.303
9000
8500
8000
7500
7000
6500

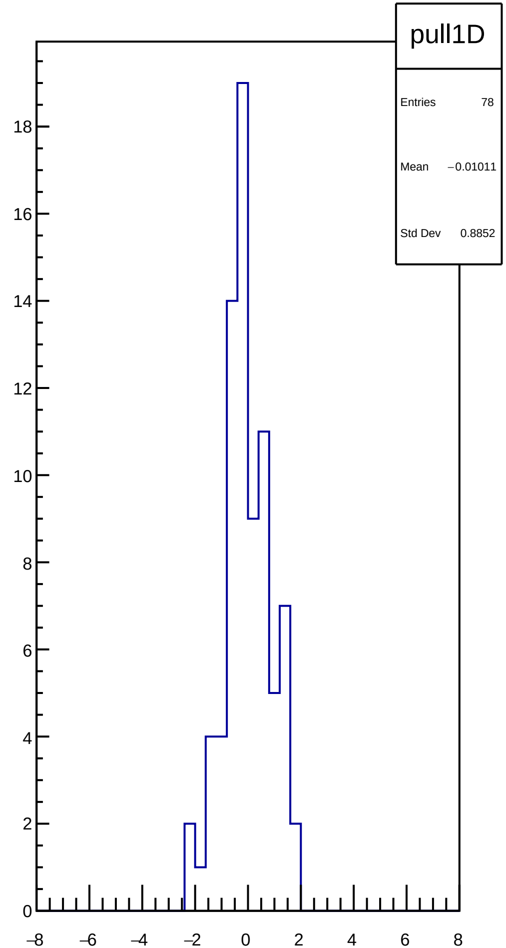

asym_atl1r2_dd_mean vs run
×10^3
χ^2 / ndf 67.61 / 77
p0 −2.02e+04 ± 9199
400
300
200
100
0
−100
−200
−300
pull
Entries 78
Mean −203.8
Std Dev 249.5
pull1D
Entries 78
Mean 0.01571
Std Dev 0.9309
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

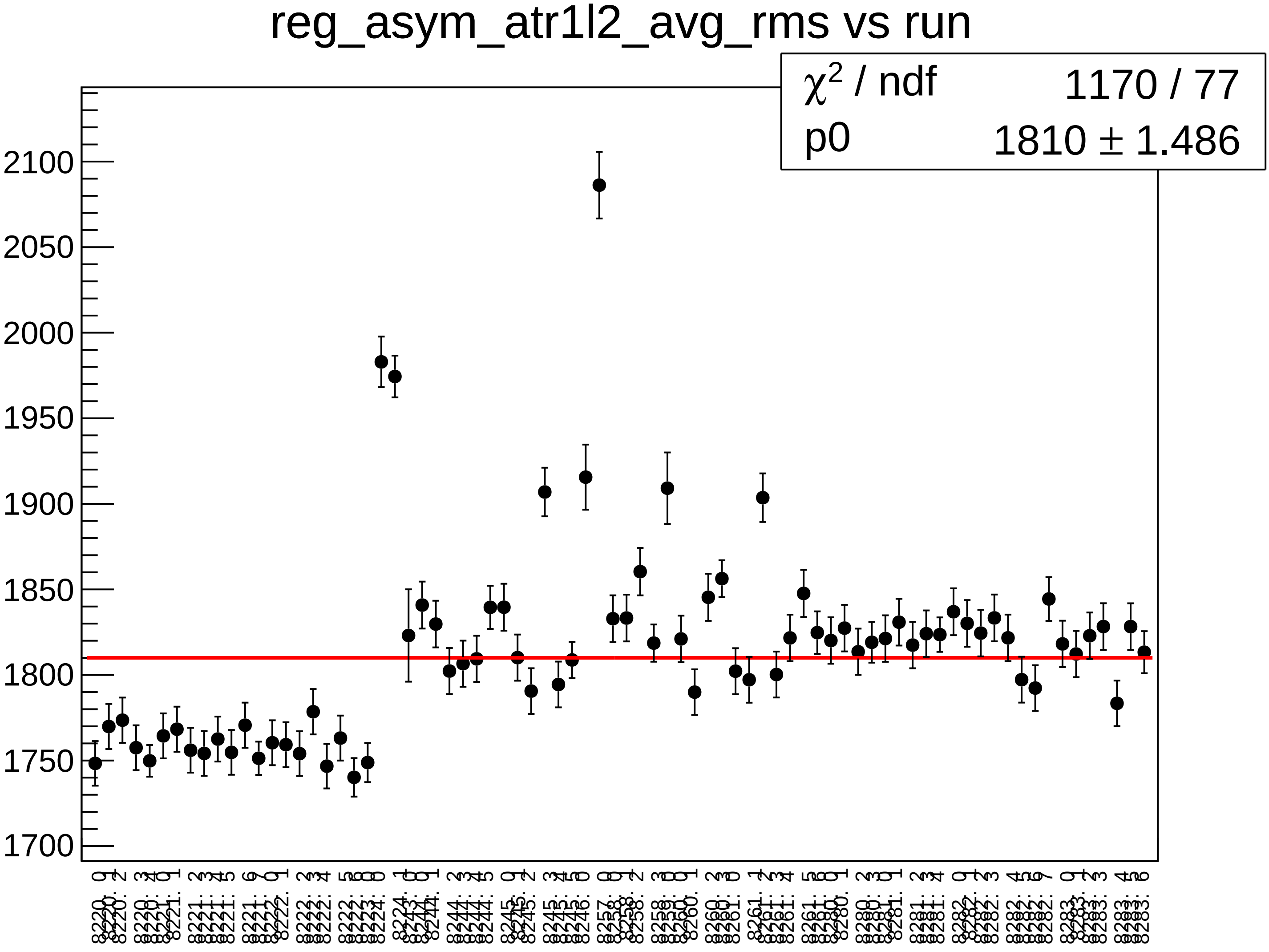


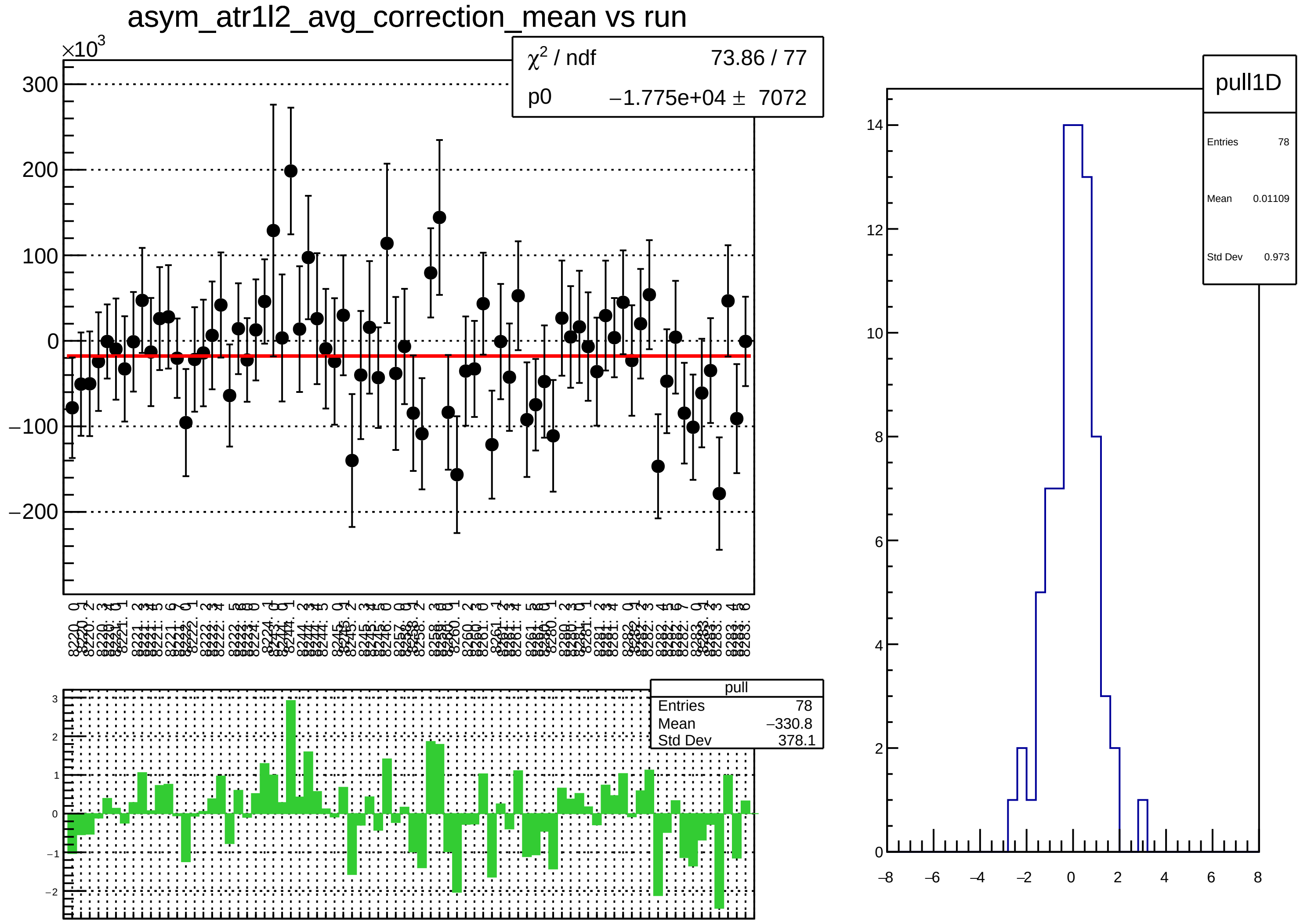
asym_atl1r2_dd_rms vs run
χ^2 / ndf 6428 / 77
p0 7910 ± 6.505
9000
8500
8000
7500
7000

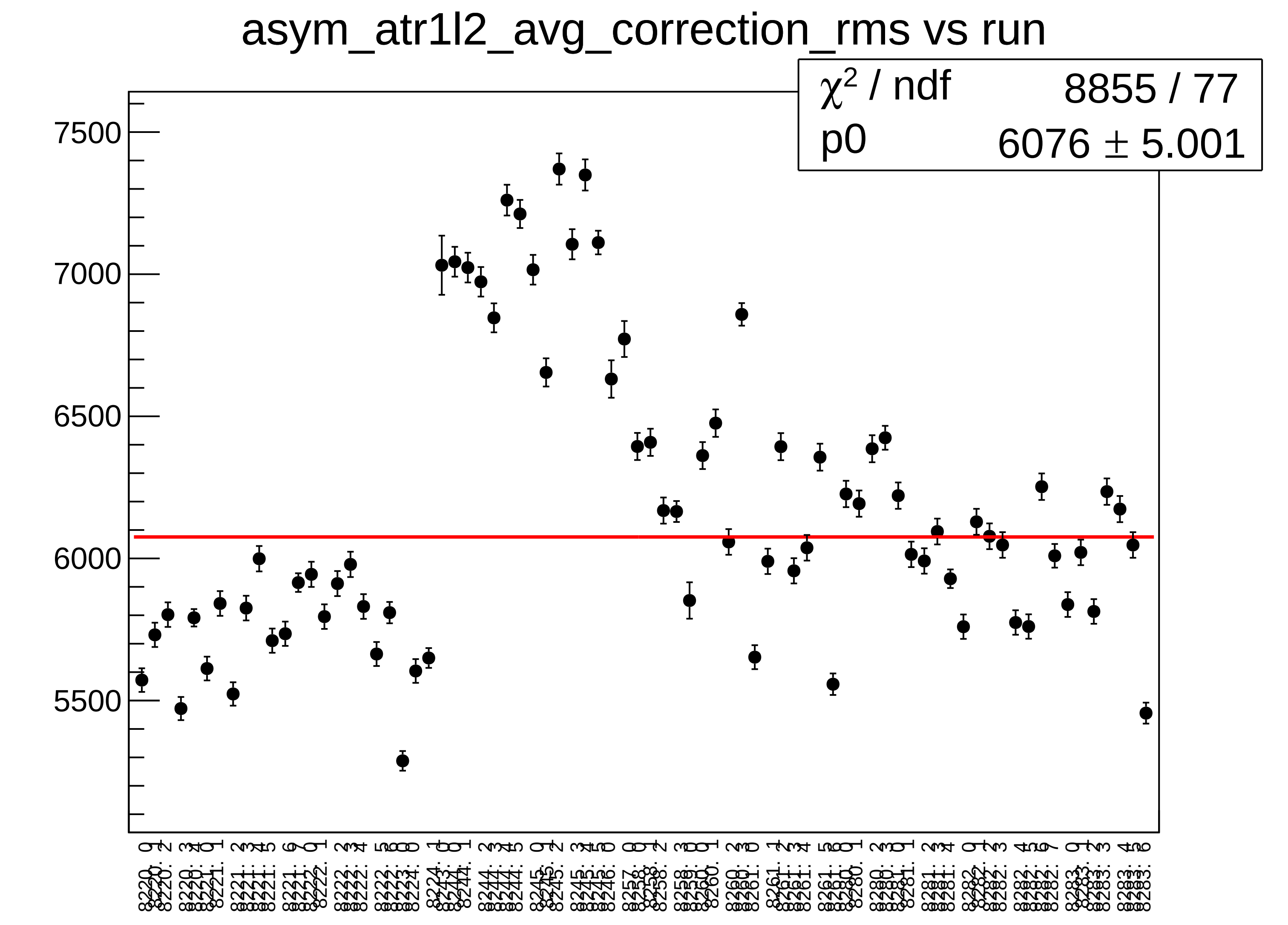
reg_asym_atr1l2_avg_mean vs run

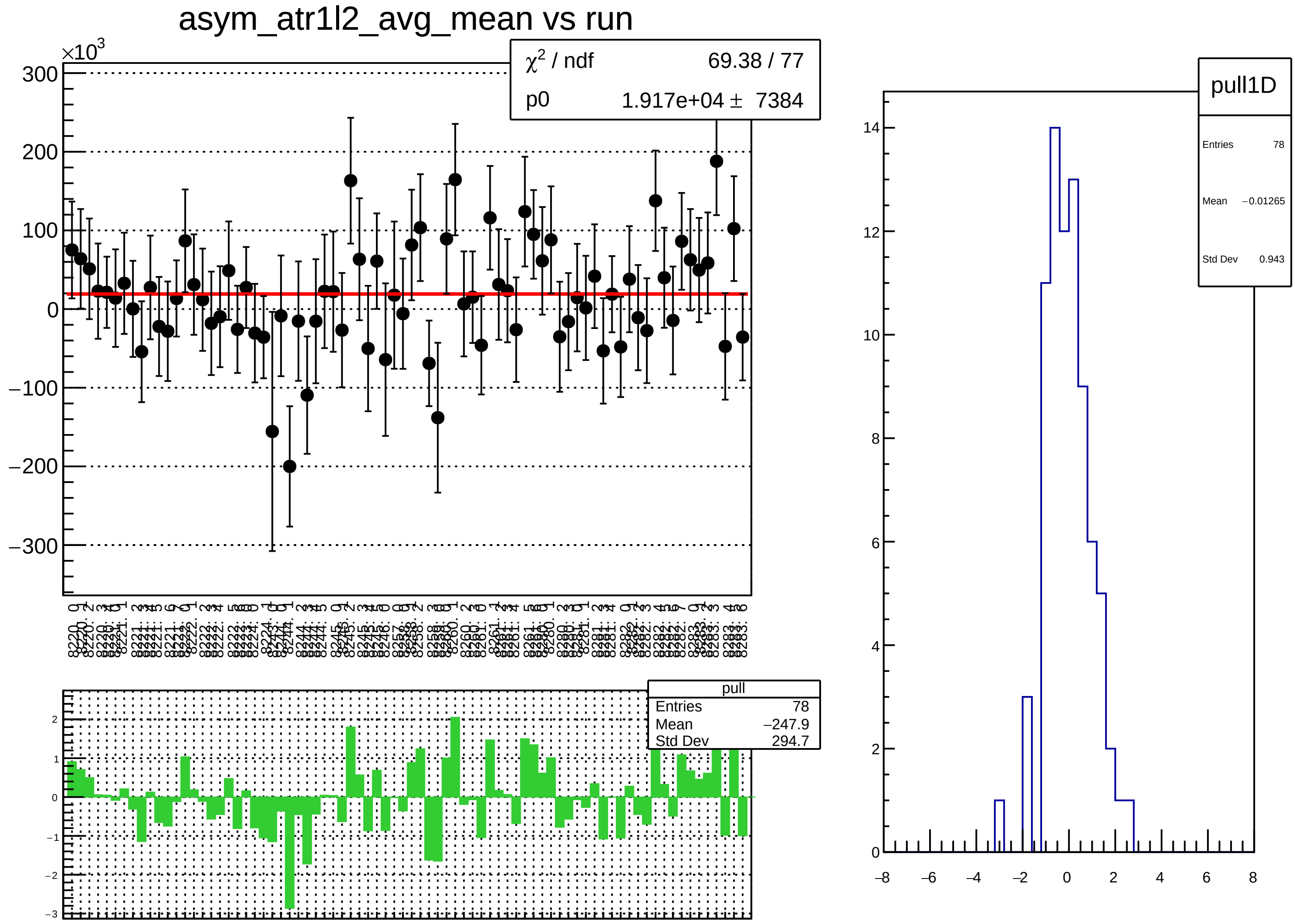


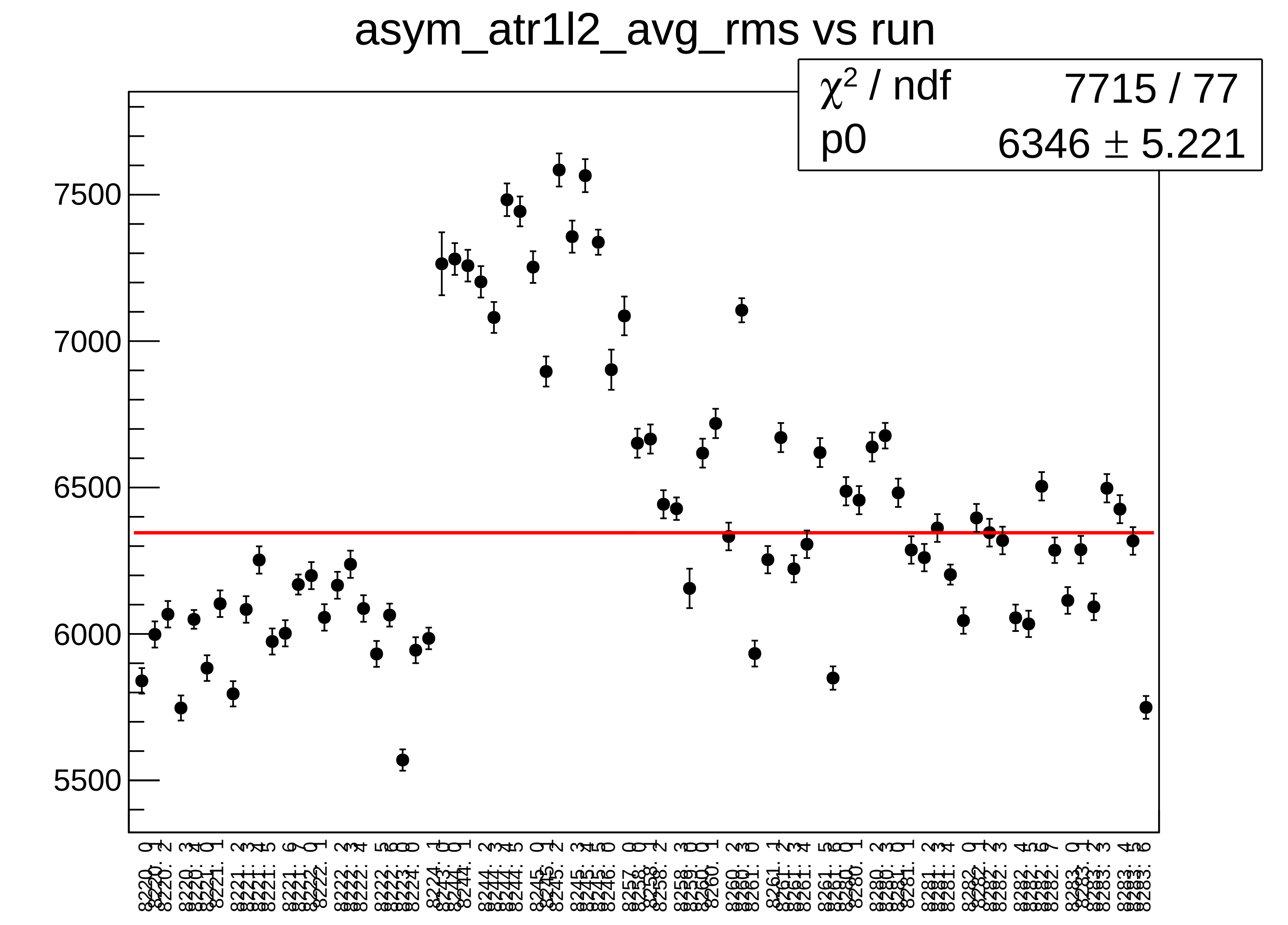


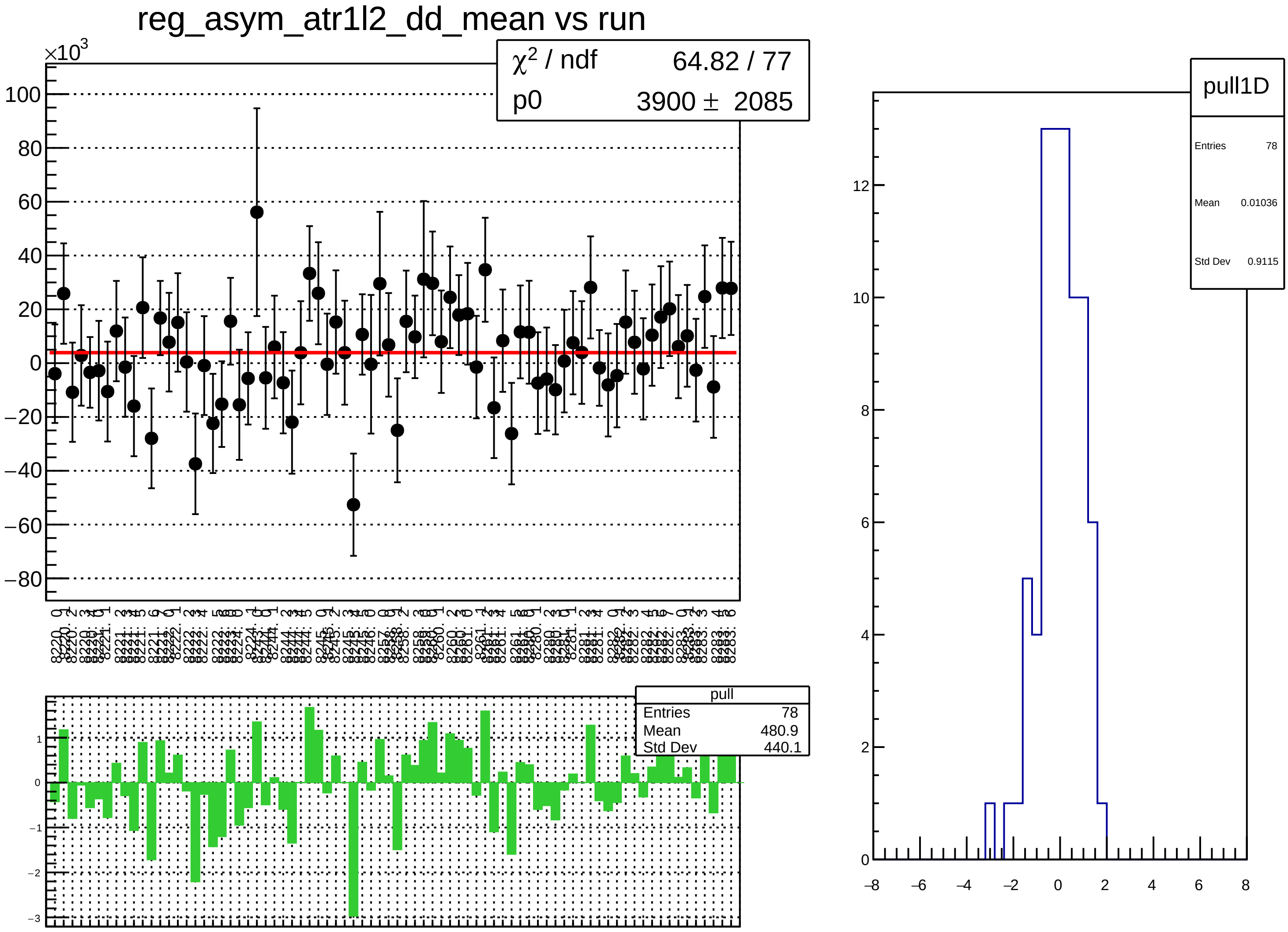

reg_asym_atr1l2_avg_rms vs run
χ^2 / ndf 1170 / 77
p0 1810 ± 1.486
2100
2050
2000
1950
1900
1850
1800
1750
1700


asym_atr1l2_avg_correction_mean vs run
×10^3
χ2 / ndf 73.86 / 77
p0 −1.775e+04 ± 7072
300
200
100
0
−100
−200
pull
Entries 78
Mean −330.8
Std Dev 378.1
pull1D
Entries 78
Mean 0.01109
Std Dev 0.973
14
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8

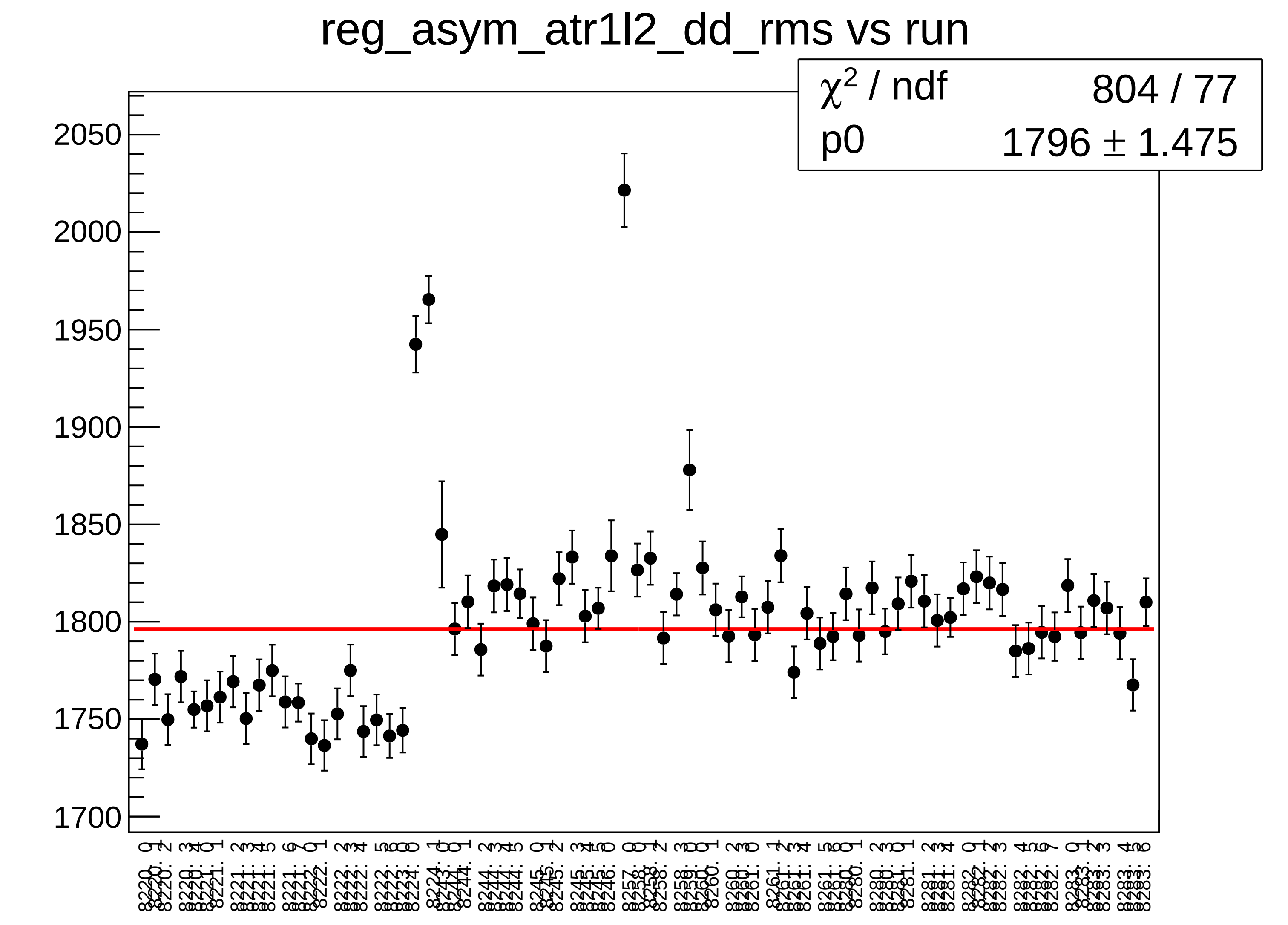

asym_atr1l2_avg_correction_rms vs run
χ^2 / ndf 8855 / 77
p0 6076 ± 5.001
7500
7000
6500
6000
5500

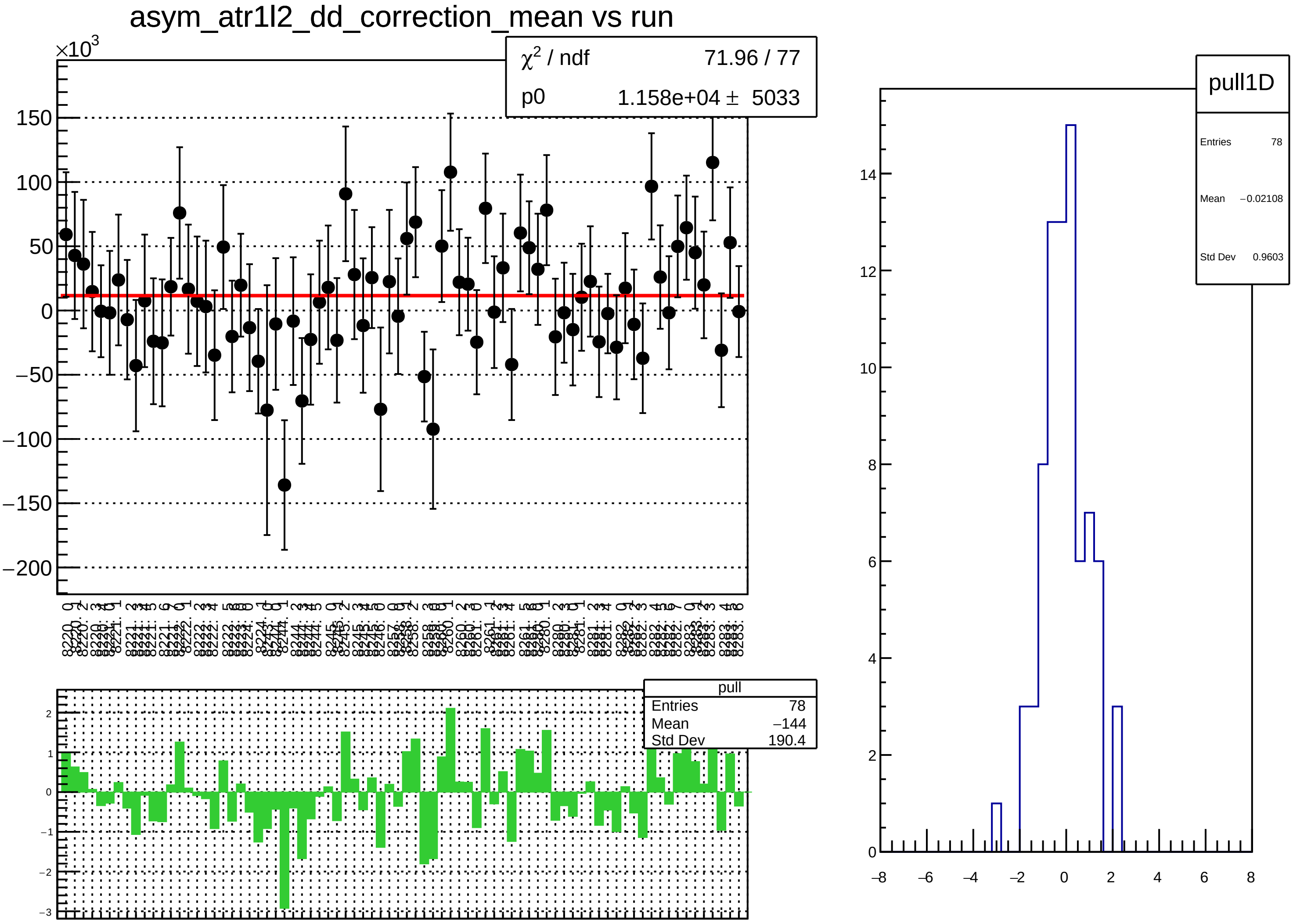

asym_atr1l2_avg_mean vs run
×10^3
χ2 / ndf 69.38 / 77
p0 1.917e+04 ± 7384
300
200
100
0
−100
−200
−300
pull
Entries 78
Mean −247.9
Std Dev 294.7
pull1D
Entries 78
Mean −0.01265
Std Dev 0.943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

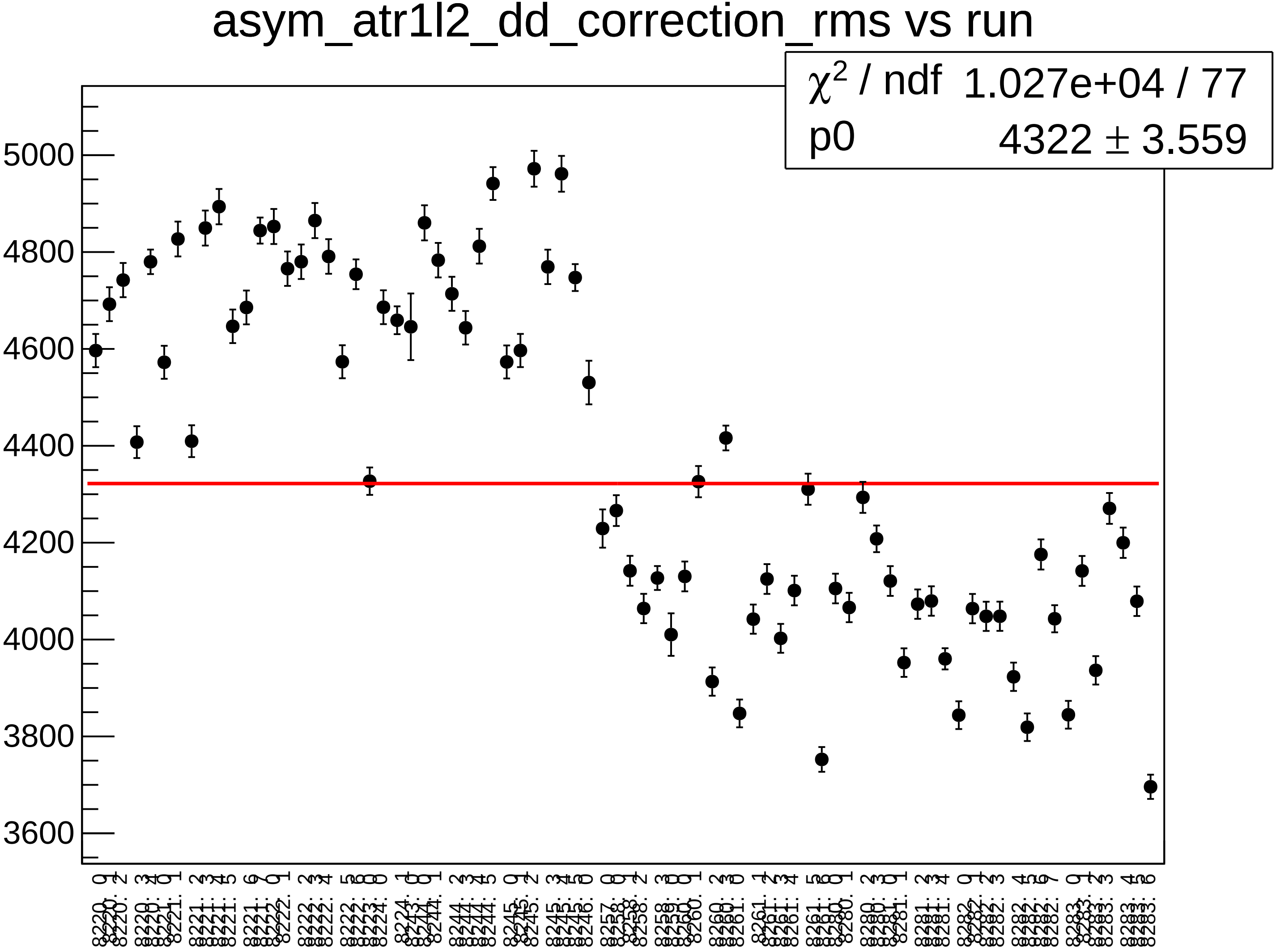

asym_atr1l2_avg_rms vs run
χ^2 / ndf 7715 / 77
p0 6346 ± 5.221
7500
7000
6500
6000
5500

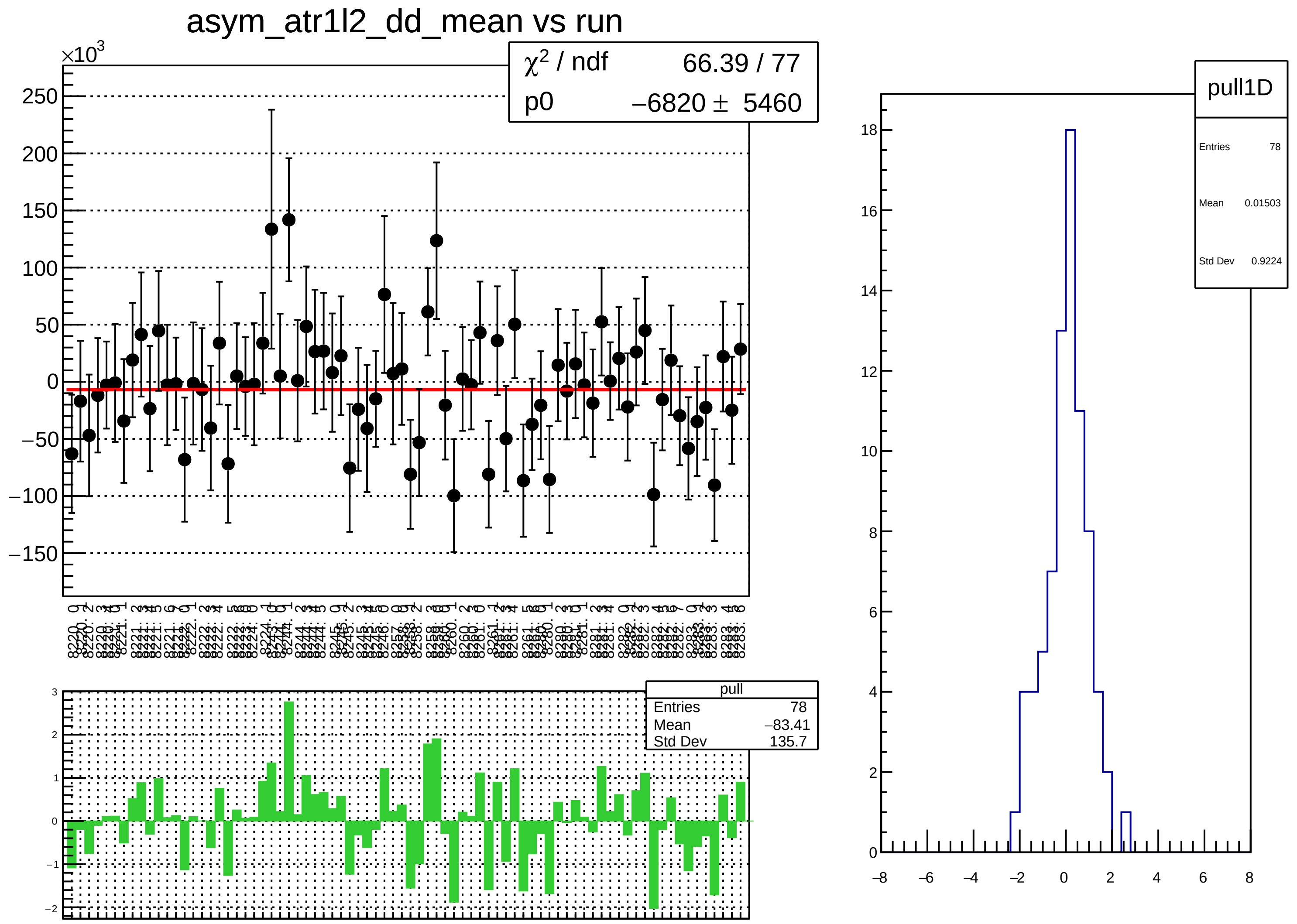


reg_asym_atr1l2_dd_mean vs run
χ2 / ndf 64.82 / 77
p0 3900 ± 2085
pull
Entries 78
Mean 480.9
Std Dev 440.1
pull1D
Entries 78
Mean 0.01036
Std Dev 0.9115


reg_asym_atr1l2_dd_rms vs run
χ2 / ndf 804 / 77
p0 1796 ± 1.475

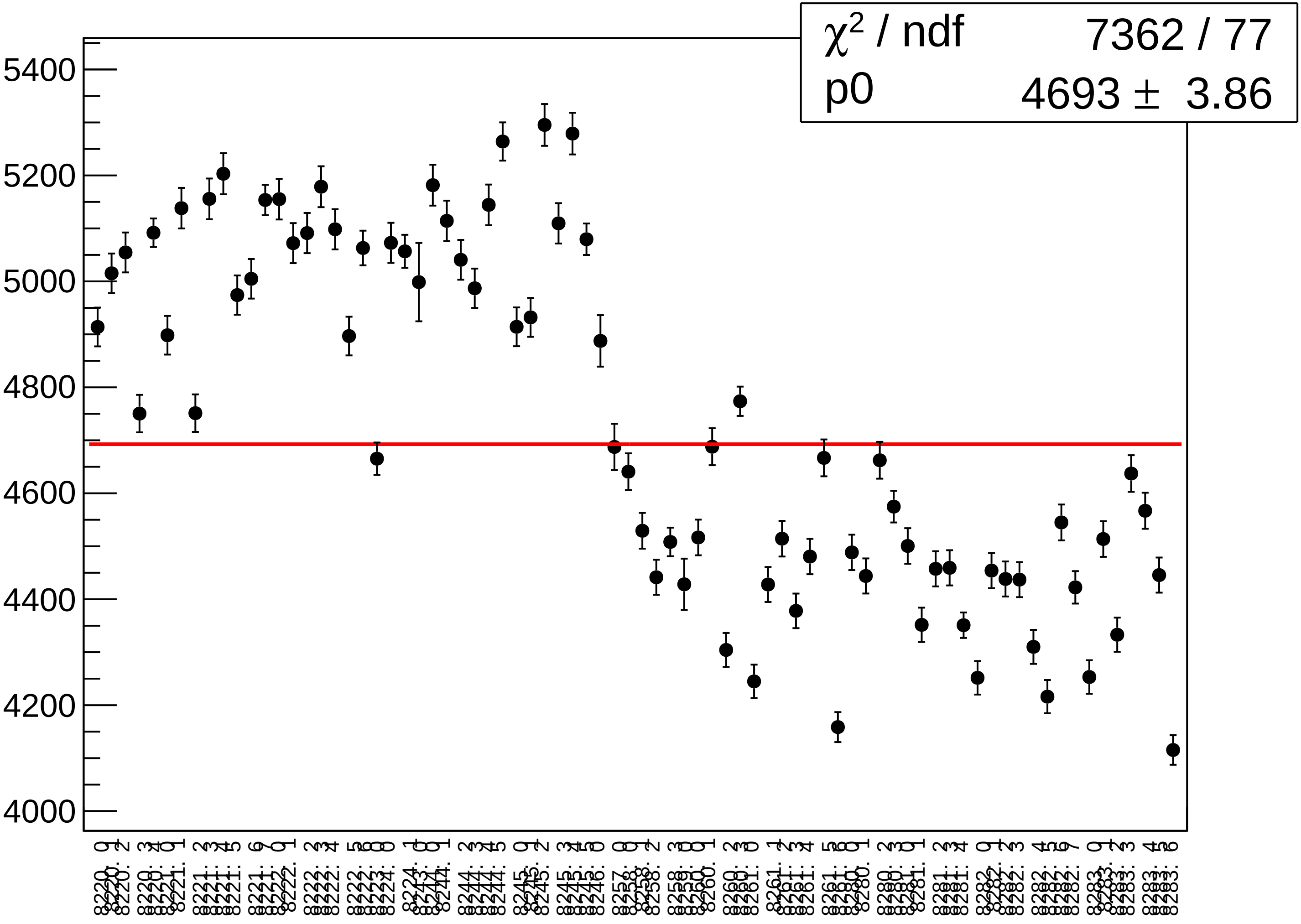

asym_atr1l2_dd_correction_mean vs run
×10^3
χ2 / ndf 71.96 / 77
p0 1.158e+04 ± 5033
150
100
50
0
−50
−100
−150
−200
pull
Entries 78
Mean −144
Std Dev 190.4
2
1
0
−1
−2
−3
pull1D
Entries 78
Mean −0.02108
Std Dev 0.9603
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

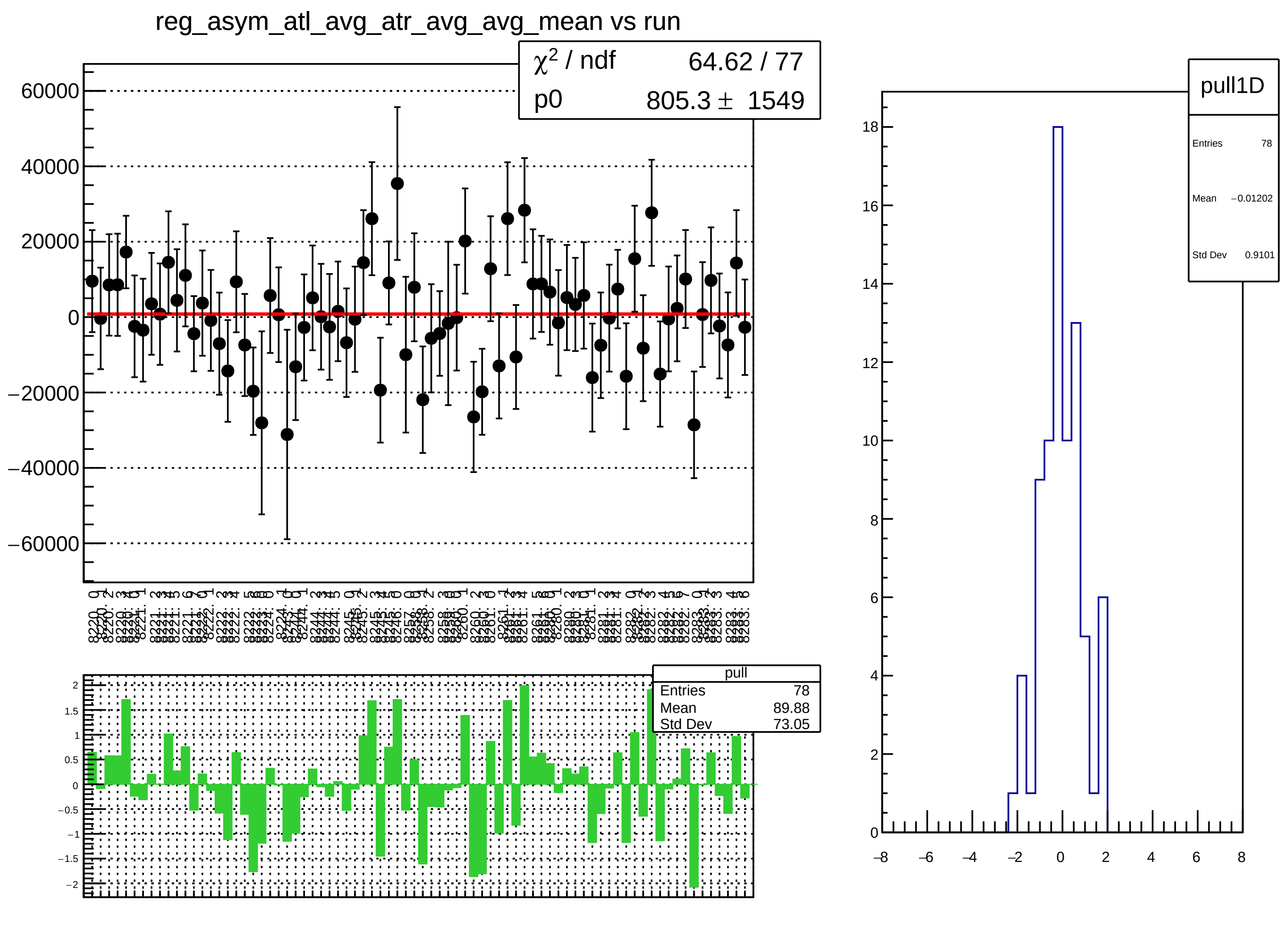

asym_atr1l2_dd_correction_rms vs run
χ2 / ndf 1.027e+04 / 77
p0 4322 ± 3.559
5000
4800
4600
4400
4200
4000
3800
3600



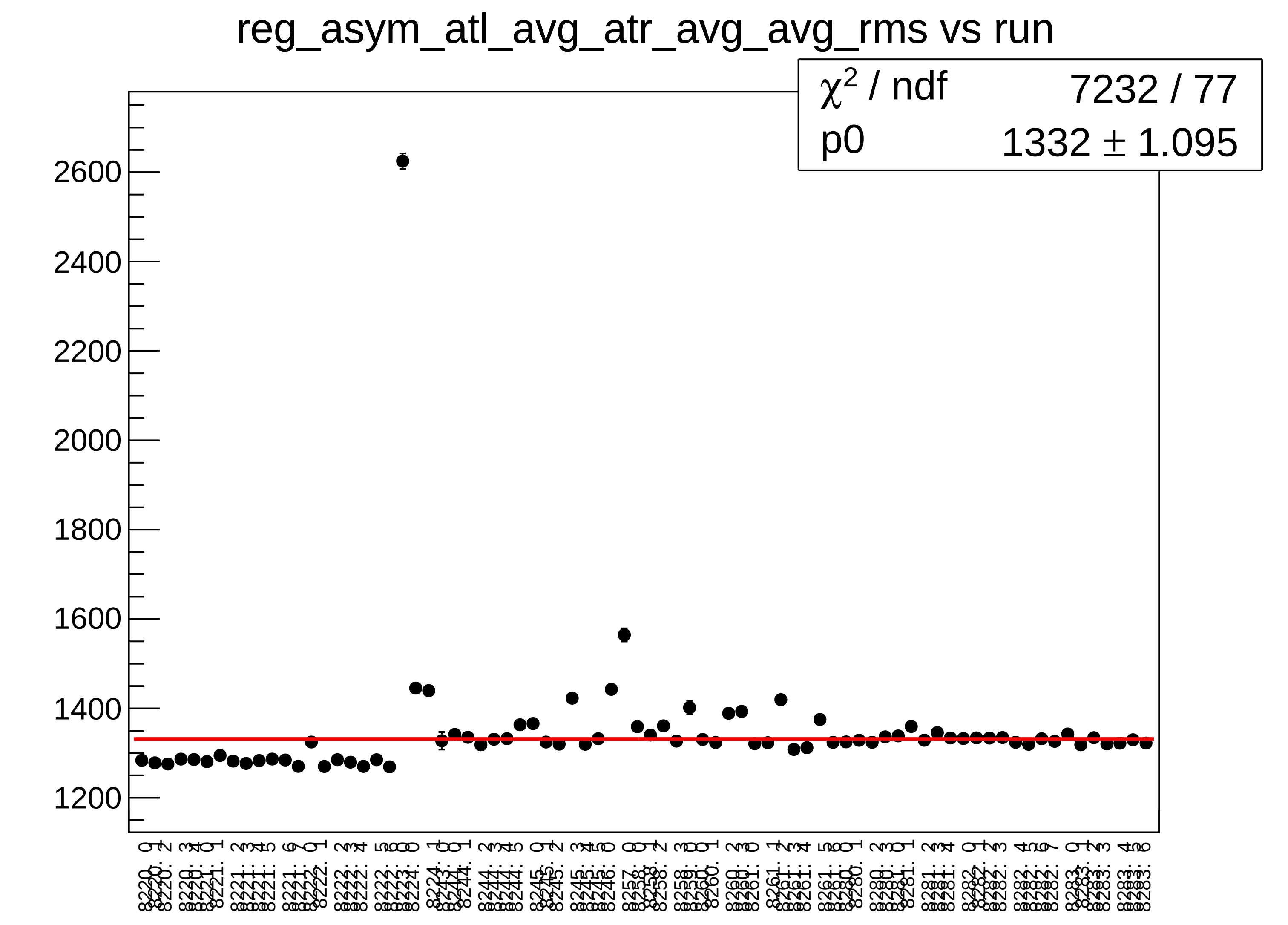
asym_atr1l2_dd_mean vs run
χ^2 / ndf 66.39 / 77
p0 −6820 ± 5460
pull
Entries 78
Mean −83.41
Std Dev 135.7
pull1D
Entries 78
Mean 0.01503
Std Dev 0.9224

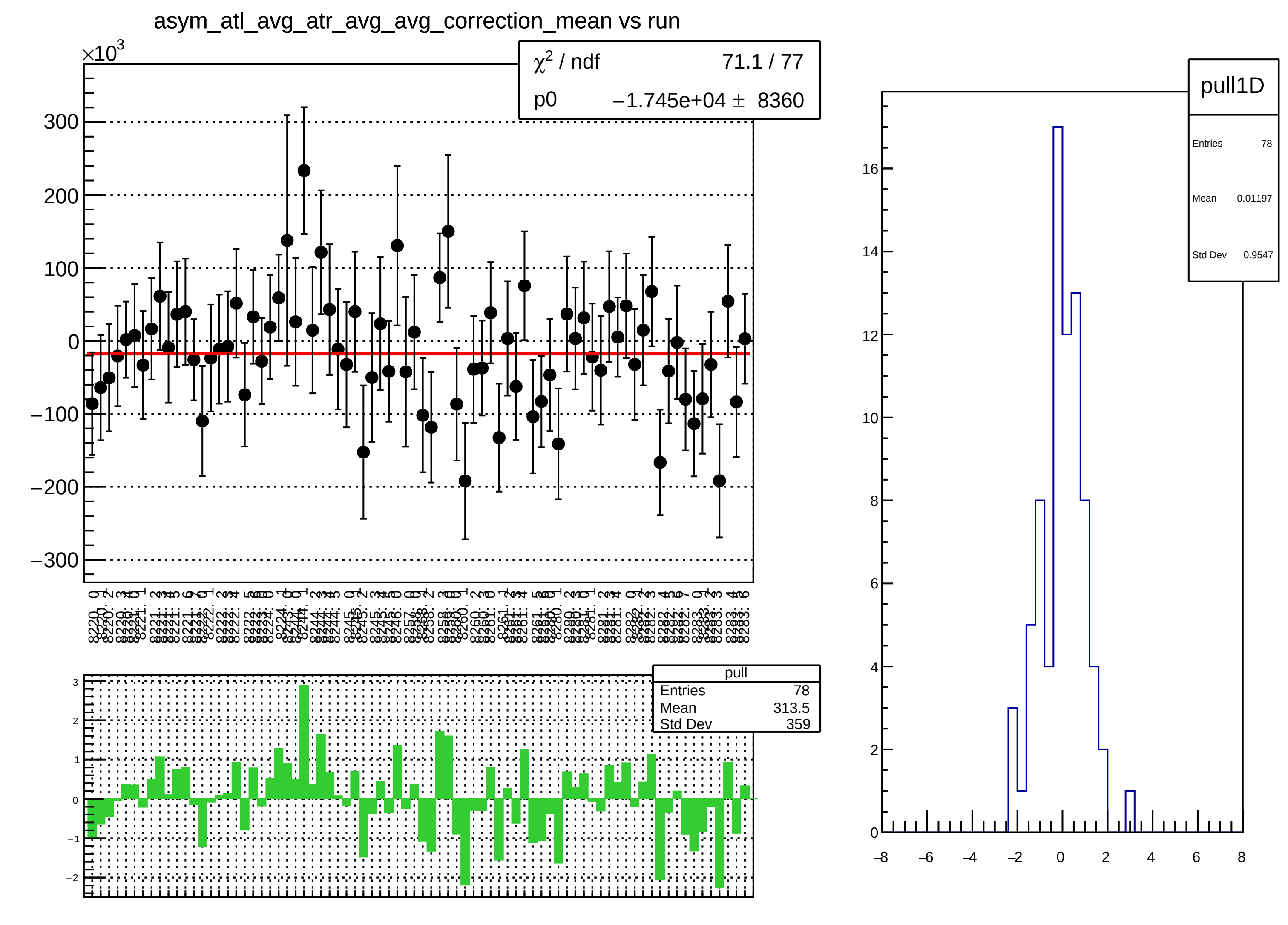
asym_atr1l2_dd_rms vs run

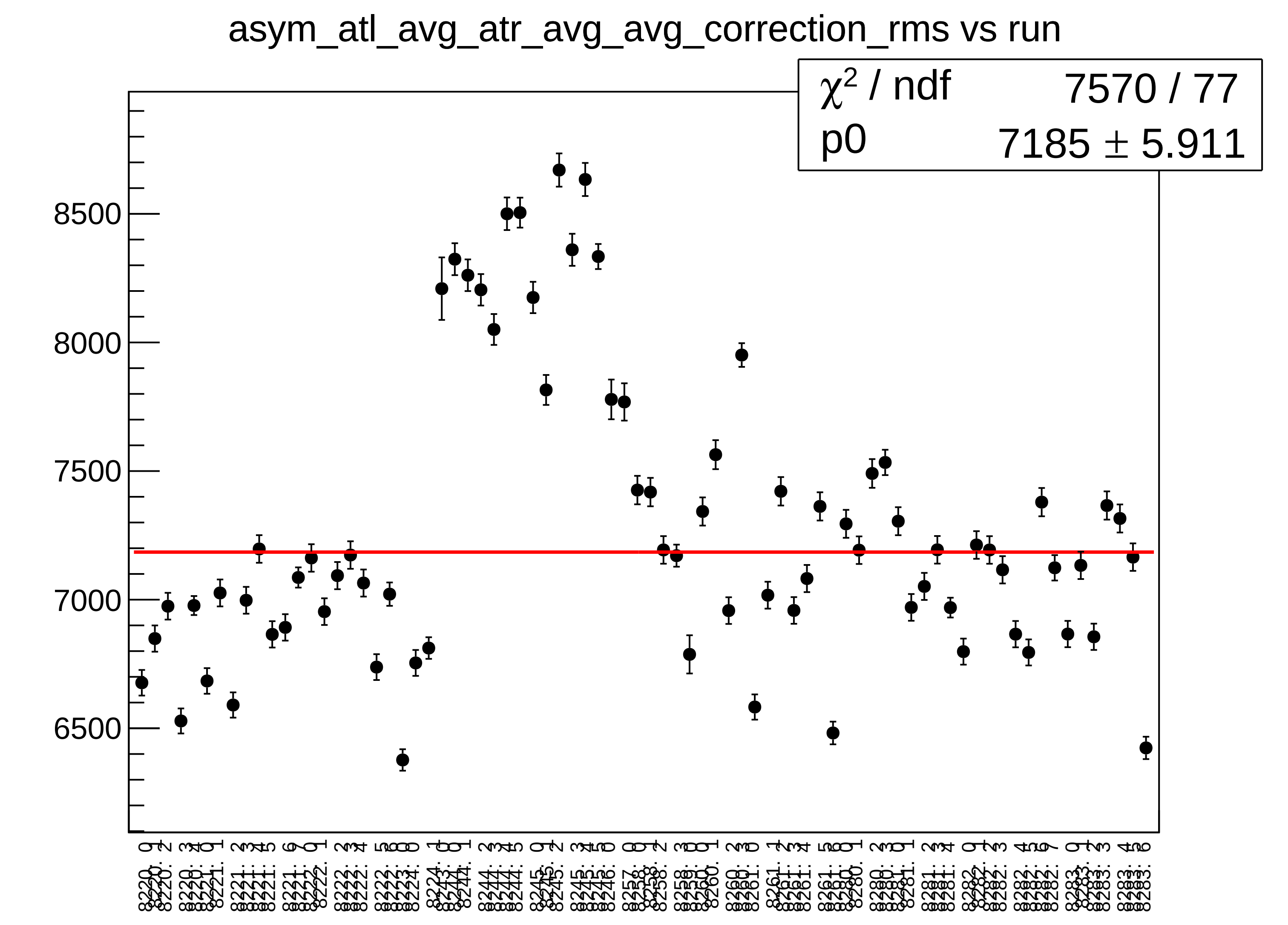


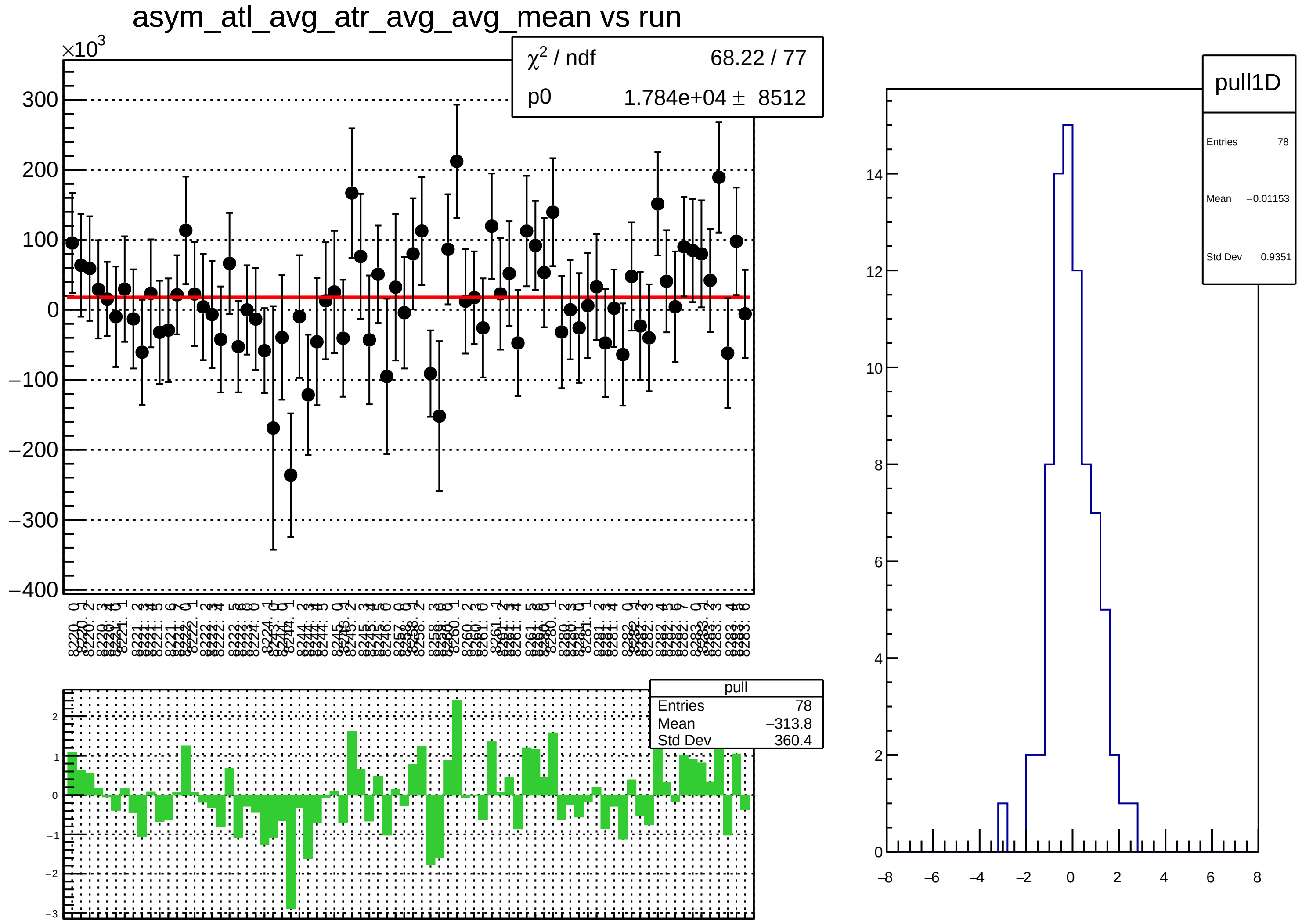


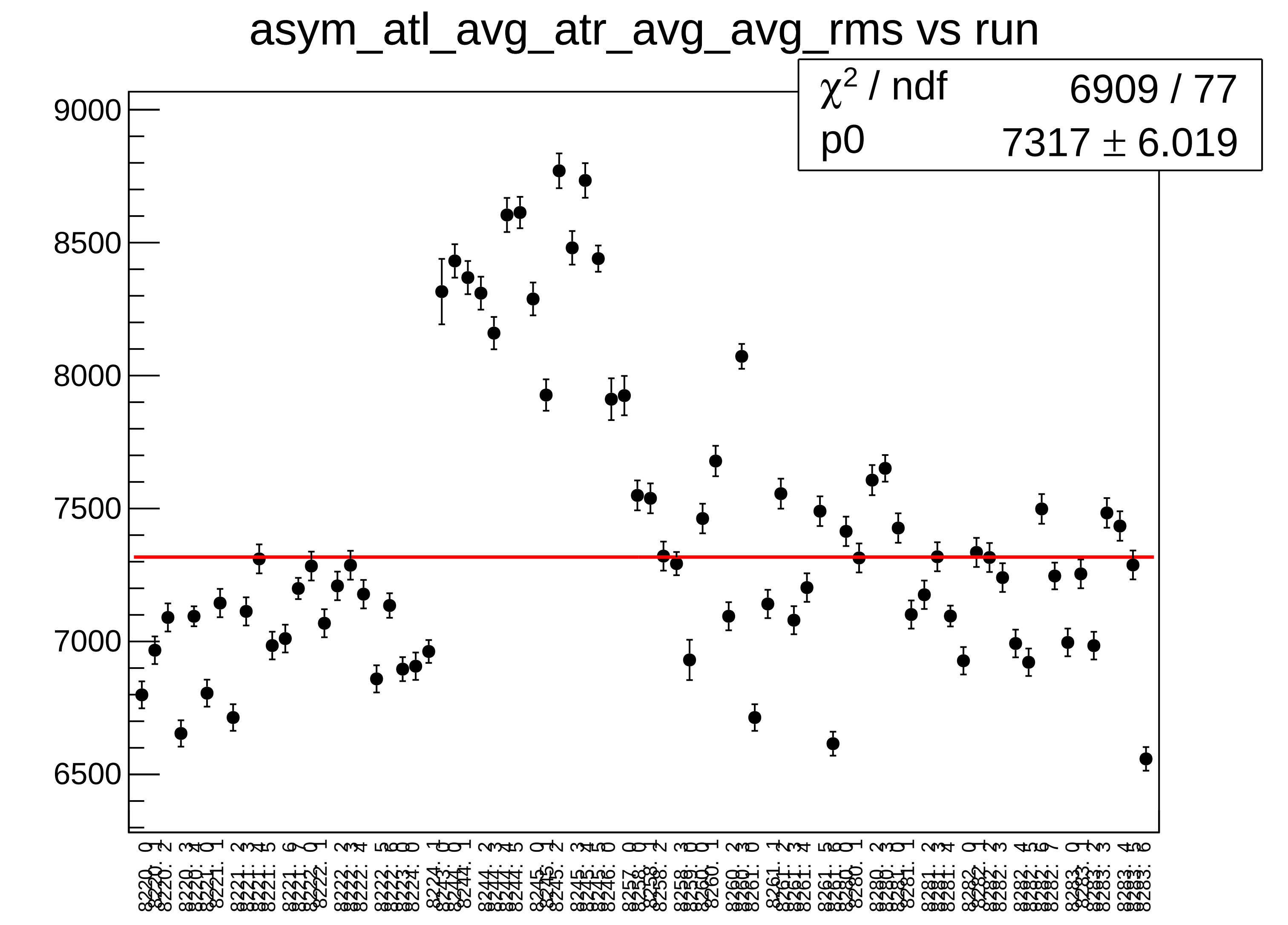
reg_asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 64.62 / 77
p0 805.3 ± 1549
pull
Entries 78
Mean 89.88
Std Dev 73.05
pull1D
Entries 78
Mean −0.01202
Std Dev 0.9101

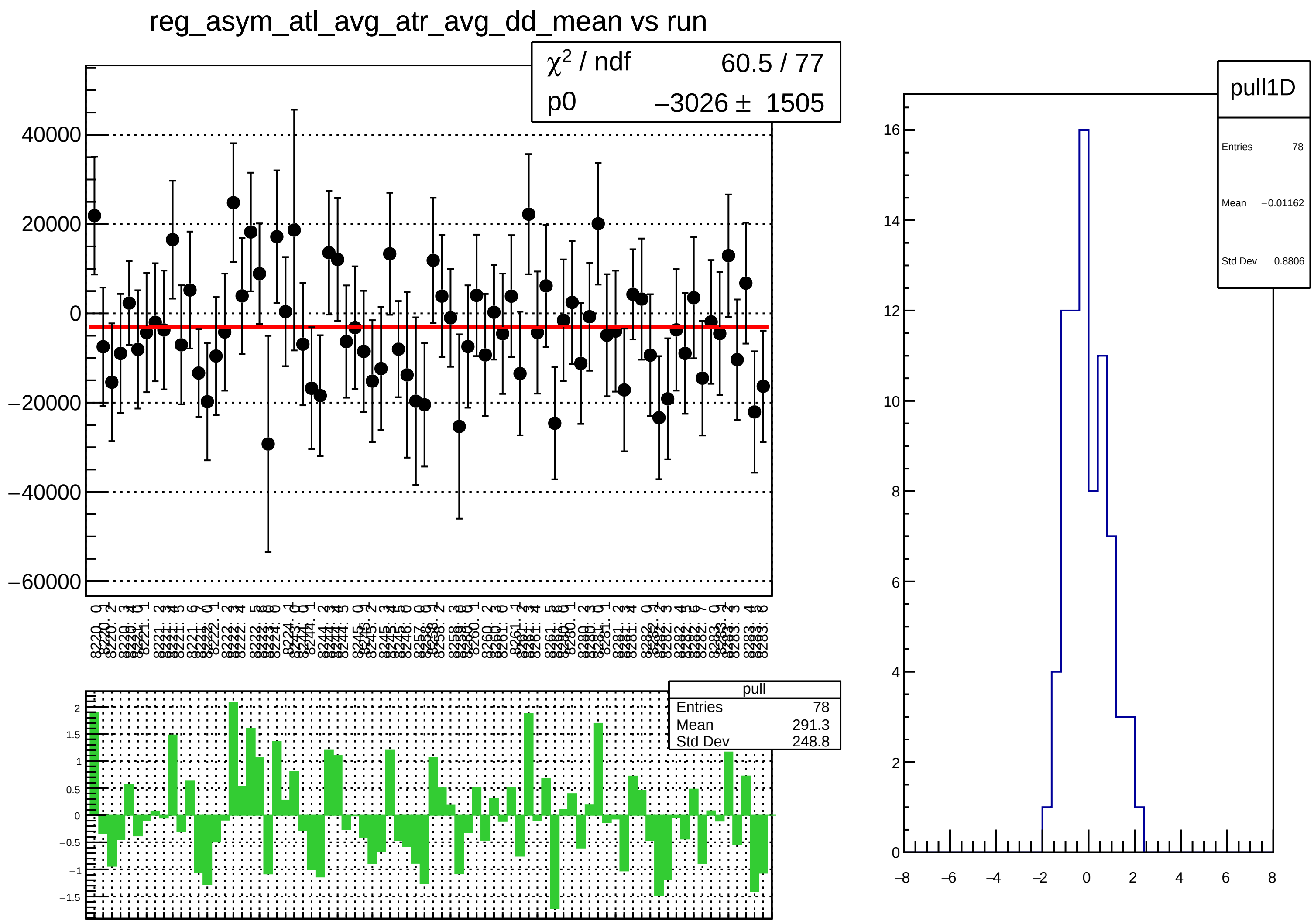

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 7232 / 77
p0 1332 ± 1.095
2600
2400
2200
2000
1800
1600
1400
1200

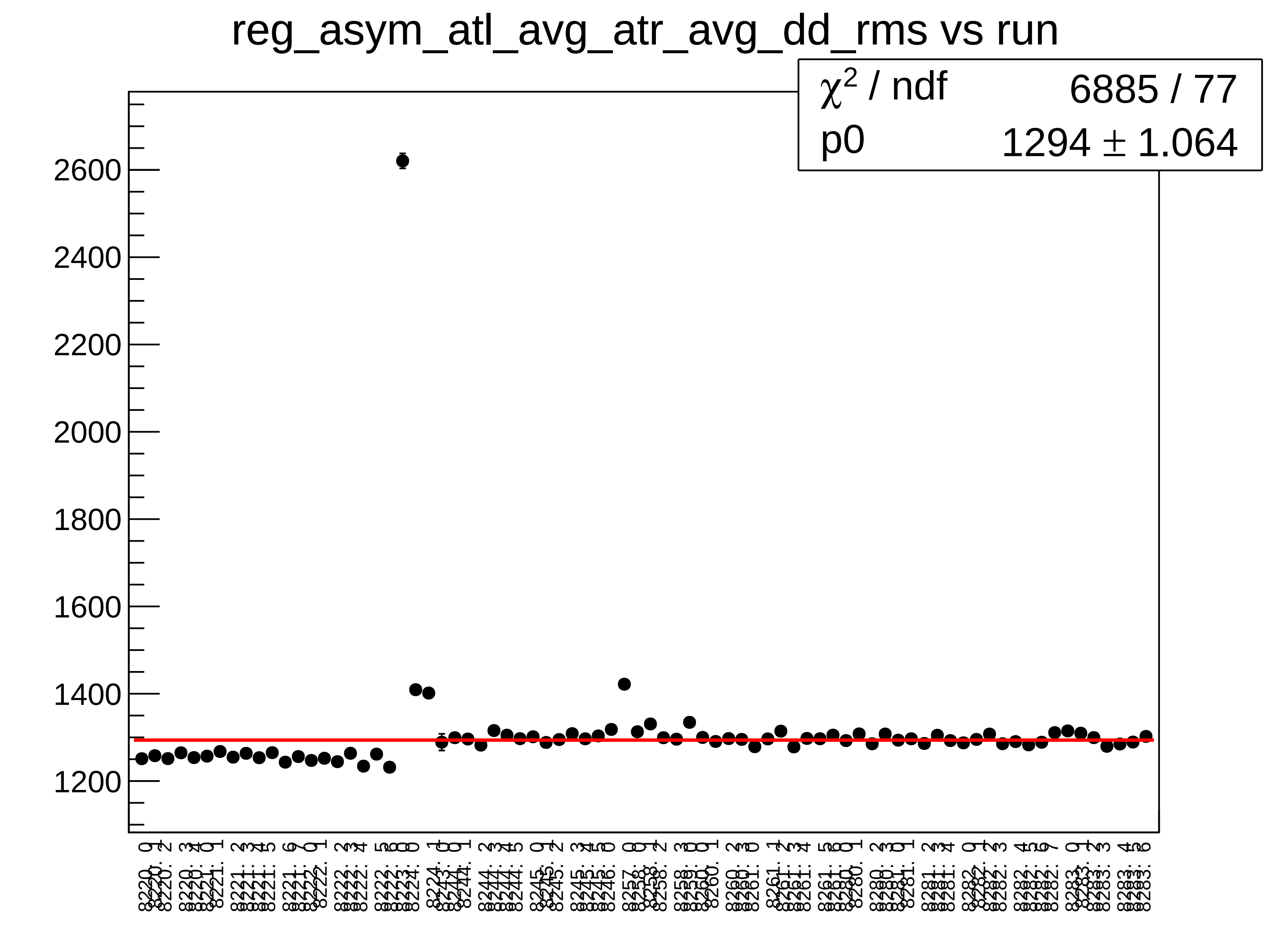

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ2 / ndf 71.1 / 77
p0 −1.745e+04 ± 8360
pull
Entries 78
Mean −313.5
Std Dev 359
pull1D
Entries 78
Mean 0.01197
Std Dev 0.9547

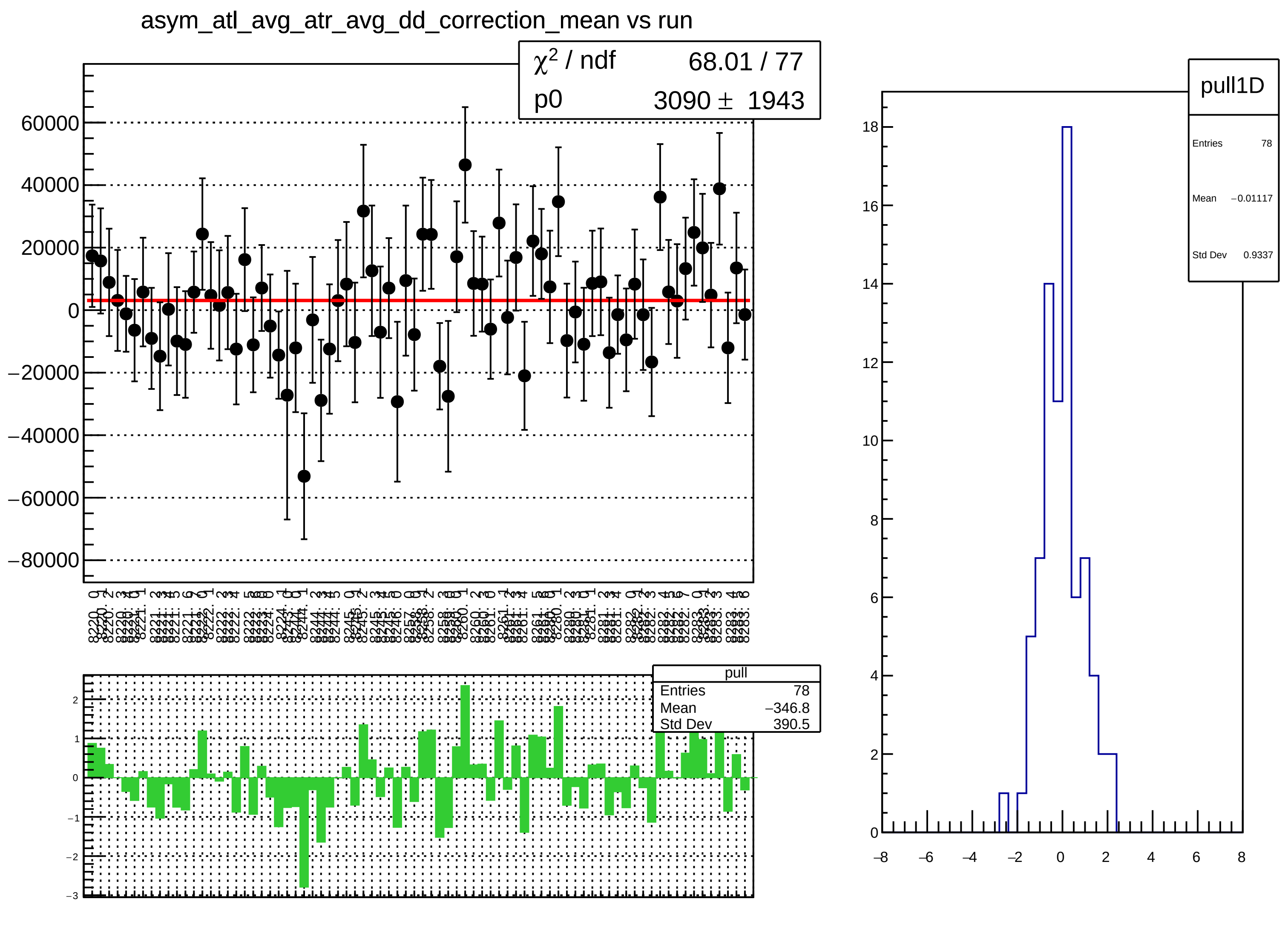

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 7570 / 77
p0 7185 ± 5.911
8500
8000
7500
7000
6500

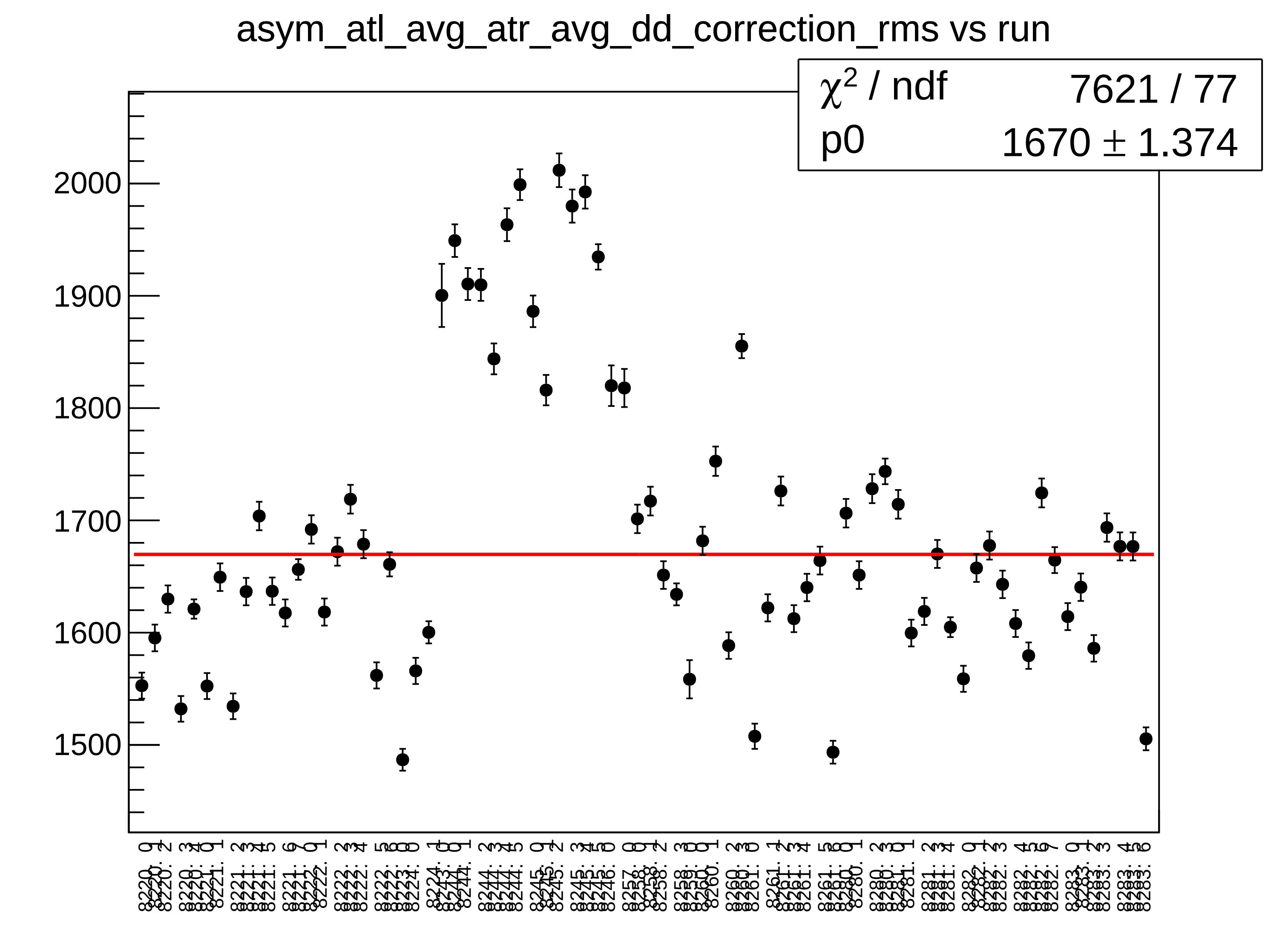

asym_atl_avg_atr_avg_avg_mean vs run
$\times10^3$
χ^2 / ndf 68.22 / 77
p0 1.784e+04 ± 8512
pull
Entries 78
Mean −313.8
Std Dev 360.4
pull1D
Entries 78
Mean −0.01153
Std Dev 0.9351

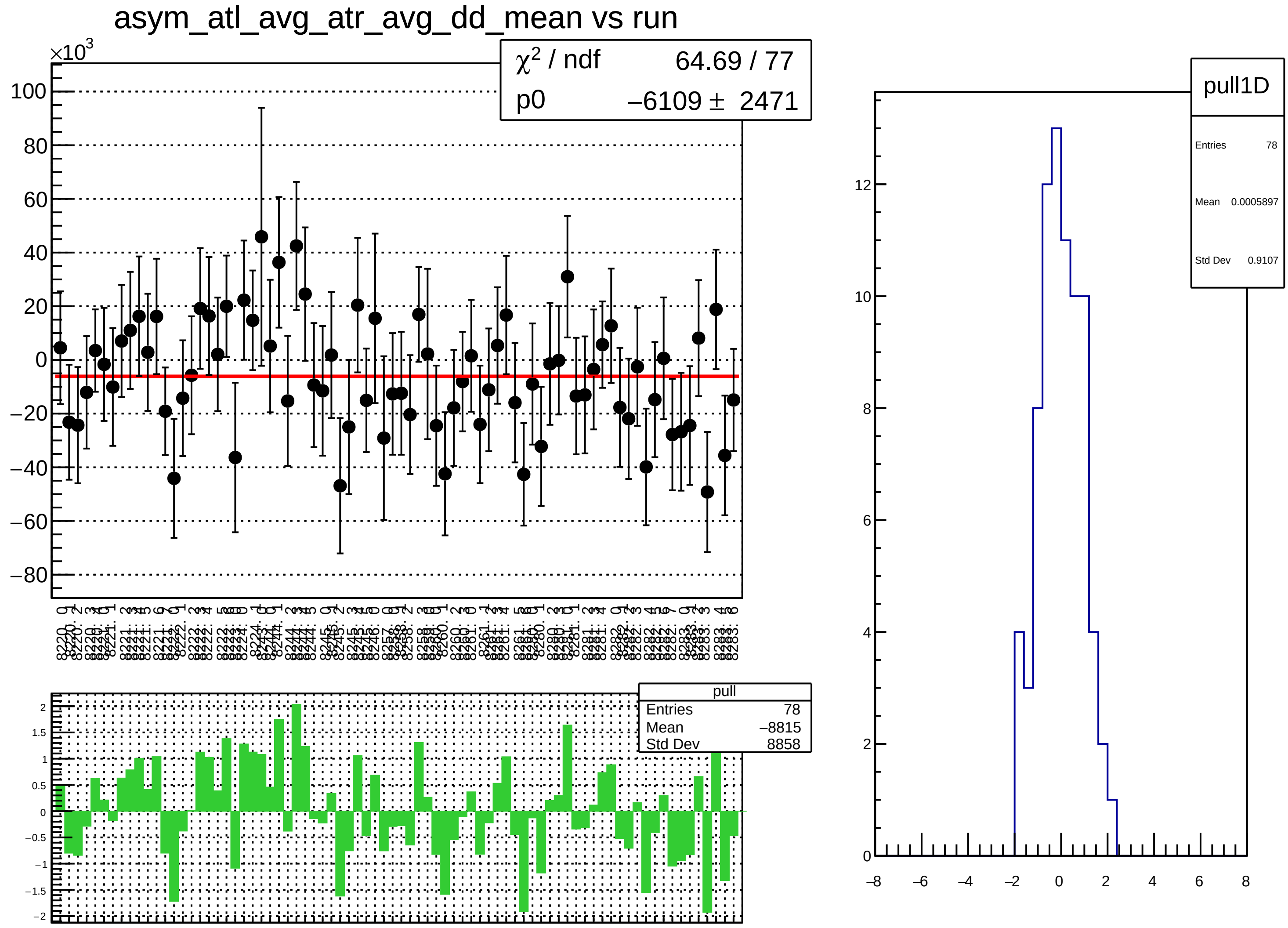

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 6909 / 77
p0 7317 ± 6.019
9000
8500
8000
7500
7000
6500

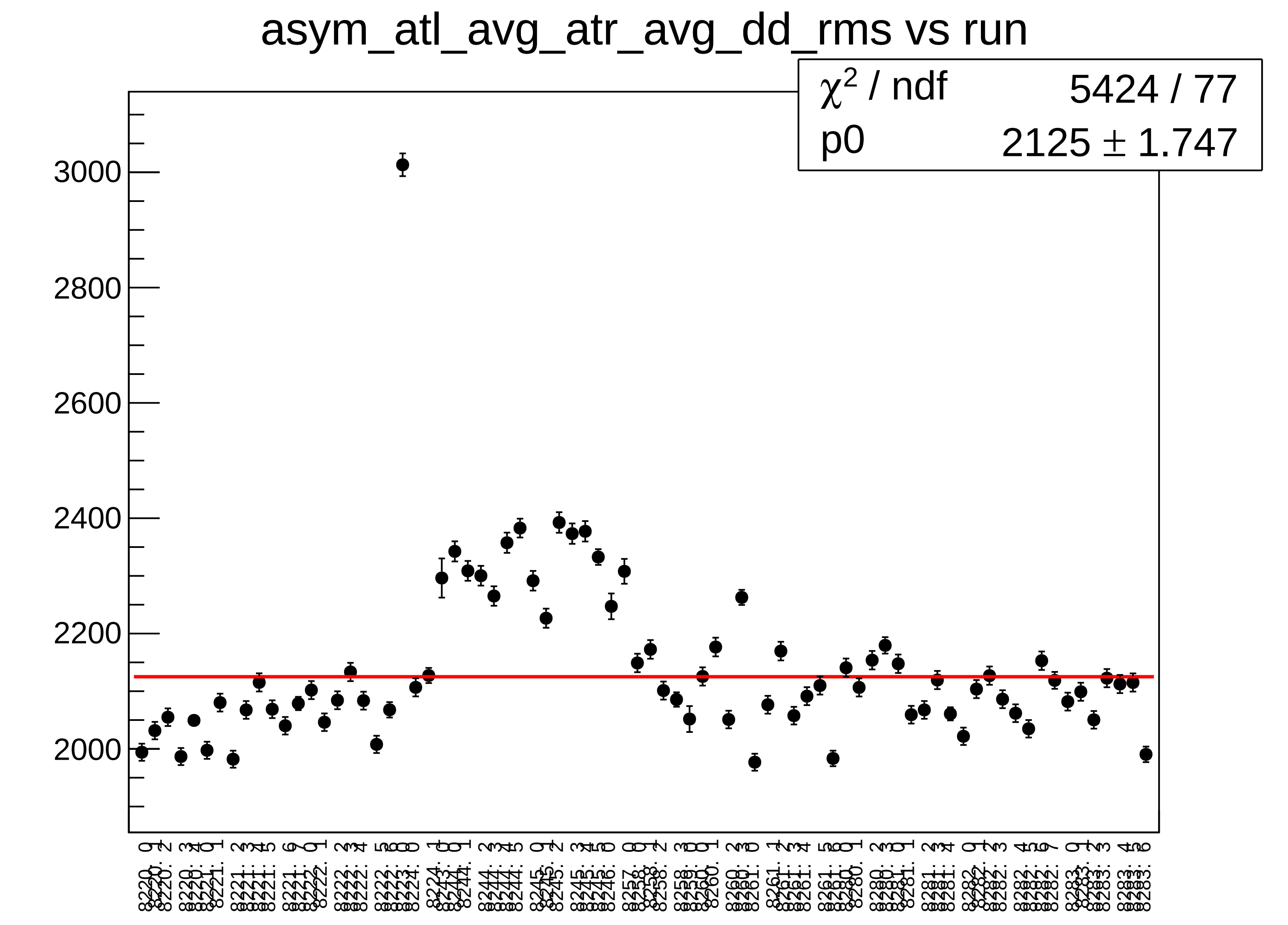

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 60.5 / 77
p0 −3026 ± 1505
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean 291.3
Std Dev 248.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.01162
Std Dev 0.8806
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

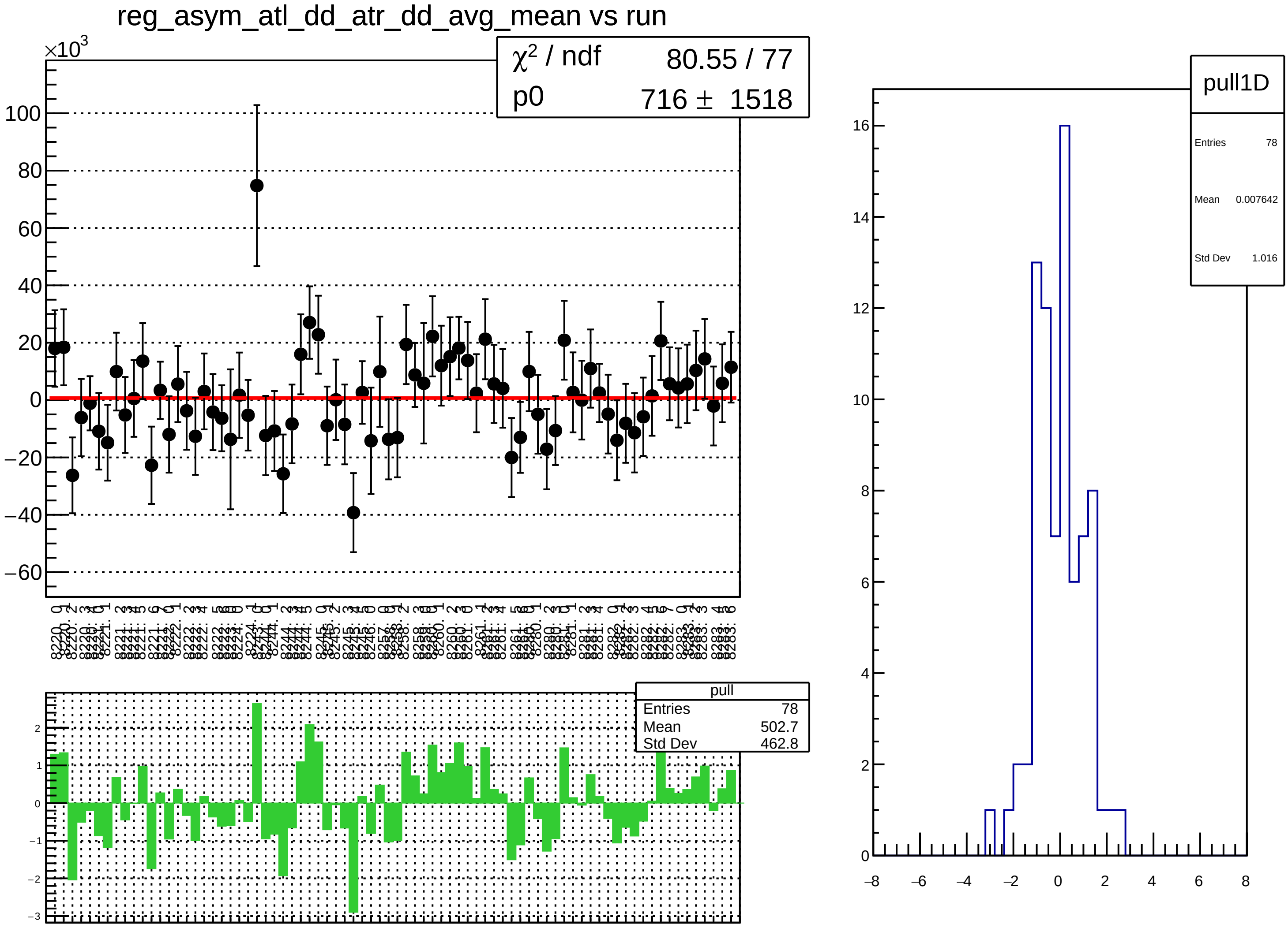

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 6885 / 77
p0 1294 ± 1.064
2600
2400
2200
2000
1800
1600
1400
1200

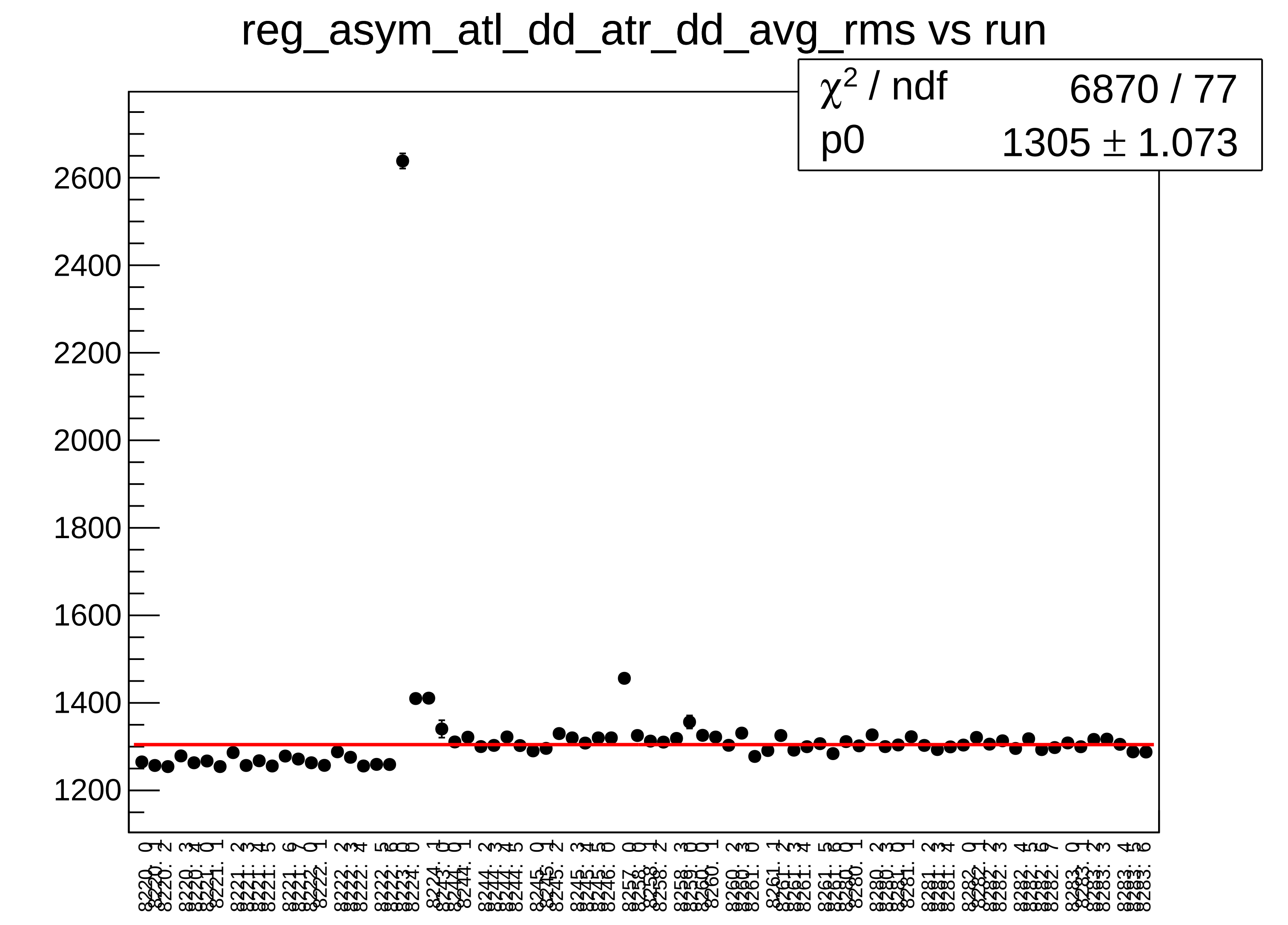

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ^2 / ndf 68.01 / 77
p0 3090 ± 1943
pull
Entries 78
Mean −346.8
Std Dev 390.5
pull1D
Entries 78
Mean −0.01117
Std Dev 0.9337


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 7621 / 77
p0 1670 ± 1.374
2000
1900
1800
1700
1600
1500

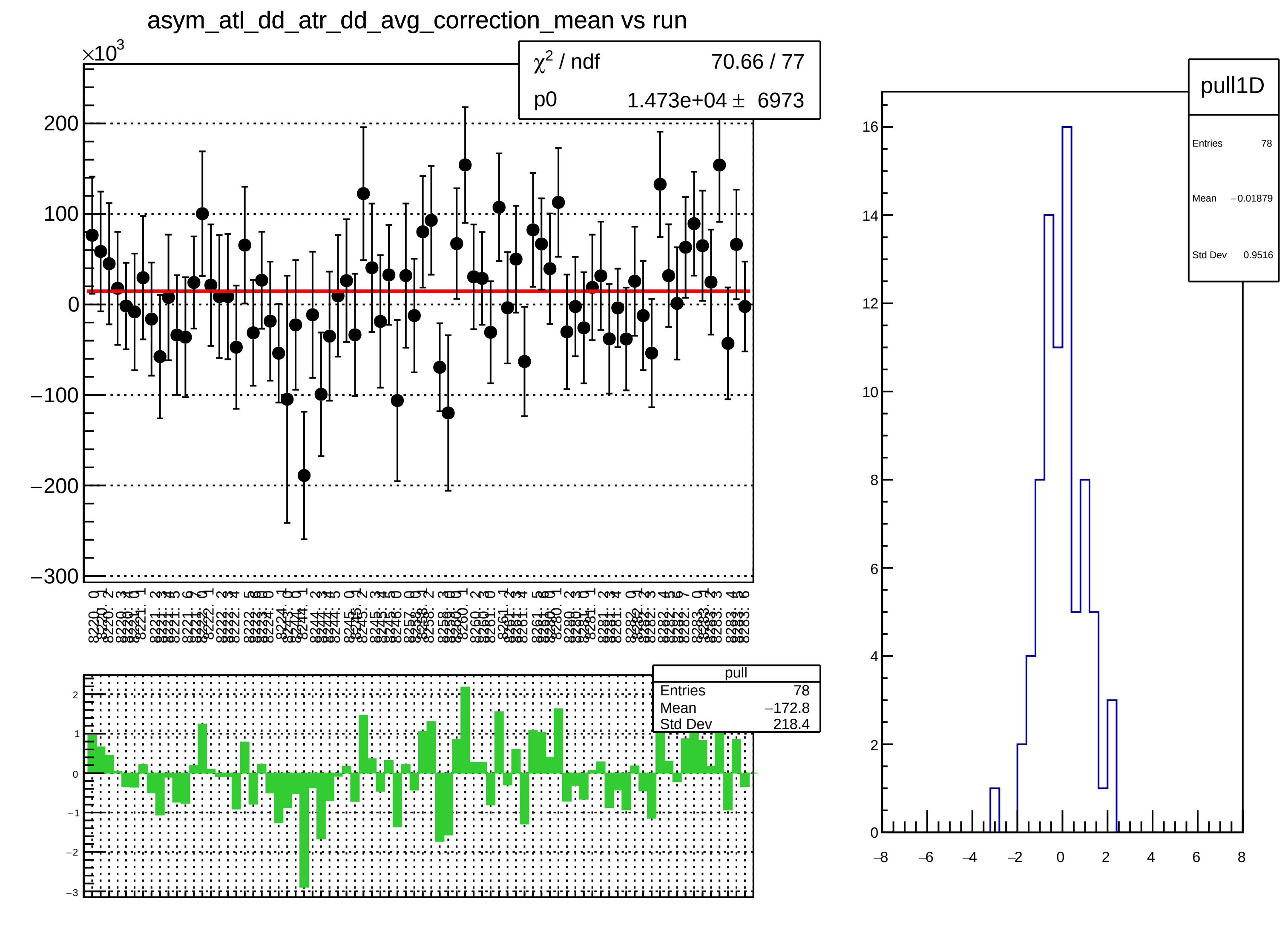

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ2 / ndf 64.69 / 77
p0 −6109 ± 2471
pull
Entries 78
Mean −8815
Std Dev 8858
pull1D
Entries 78
Mean 0.0005897
Std Dev 0.9107


asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 5424 / 77
p0 2125 ± 1.747
3000
2800
2600
2400
2200
2000

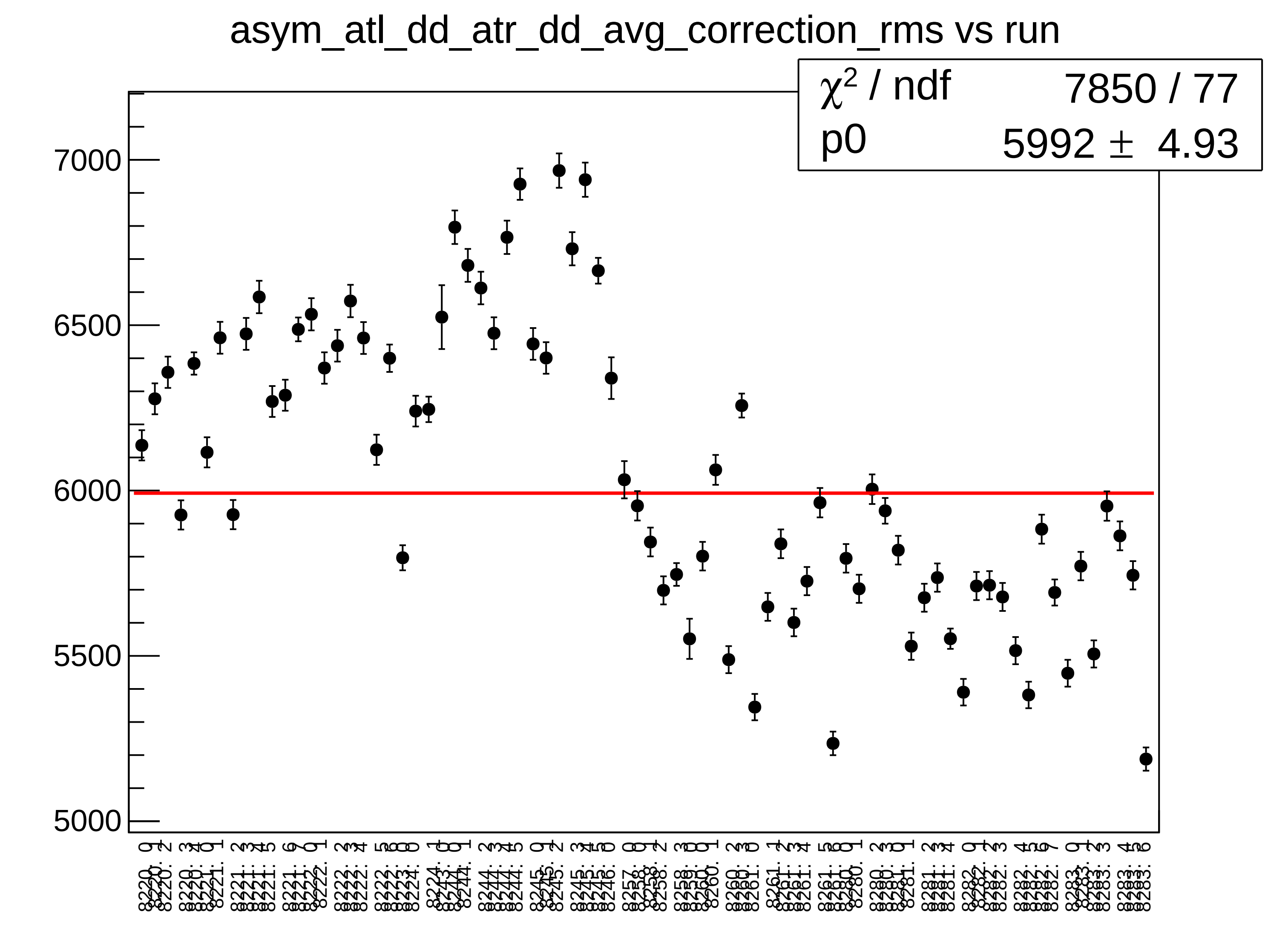

reg_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ2 / ndf 80.55 / 77
p0 716 ± 1518
pull
Entries 78
Mean 502.7
Std Dev 462.8
pull1D
Entries 78
Mean 0.007642
Std Dev 1.016



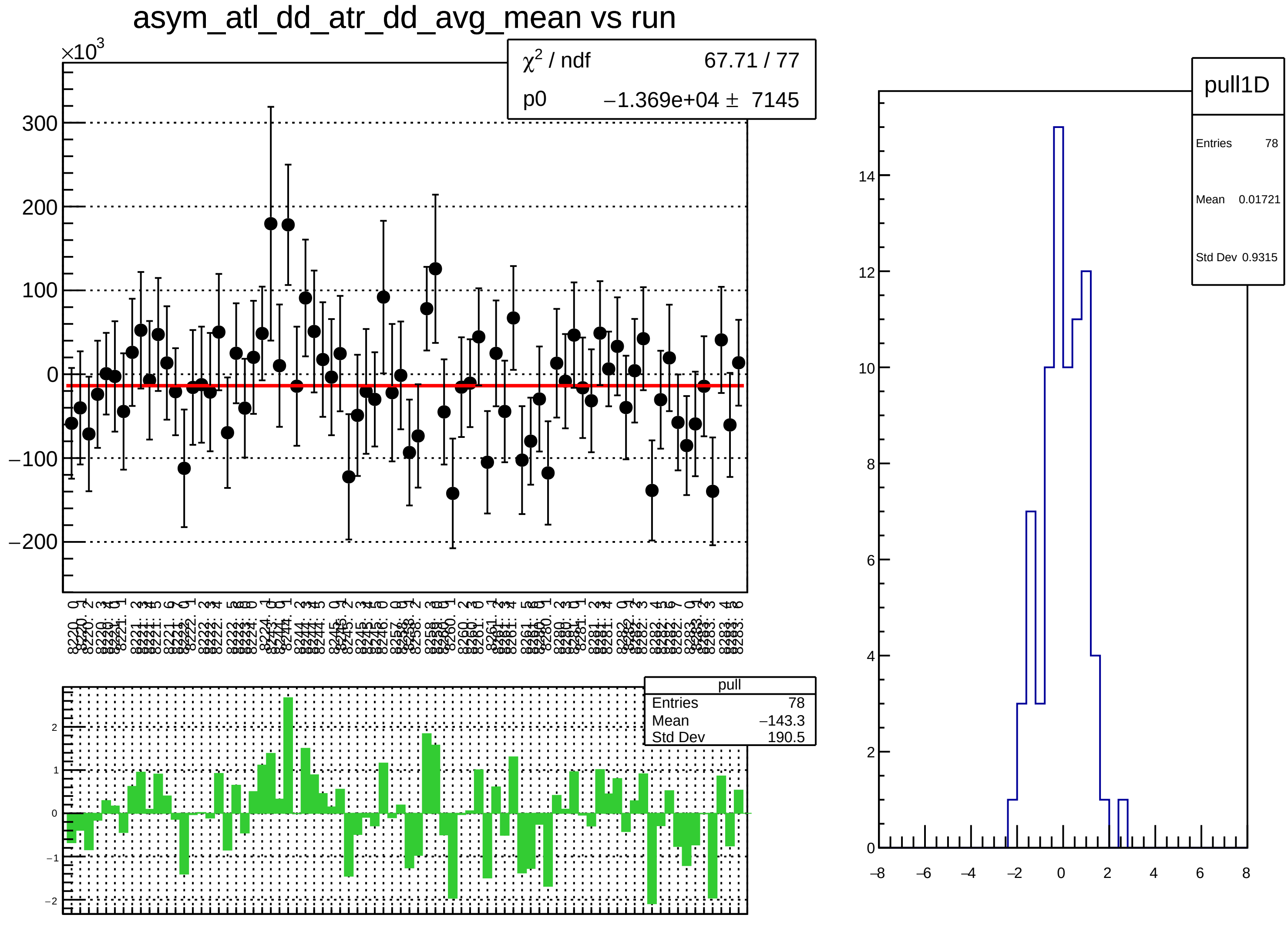
reg_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 6870 / 77
p0 1305 ± 1.073
2600
2400
2200
2000
1800
1600
1400
1200

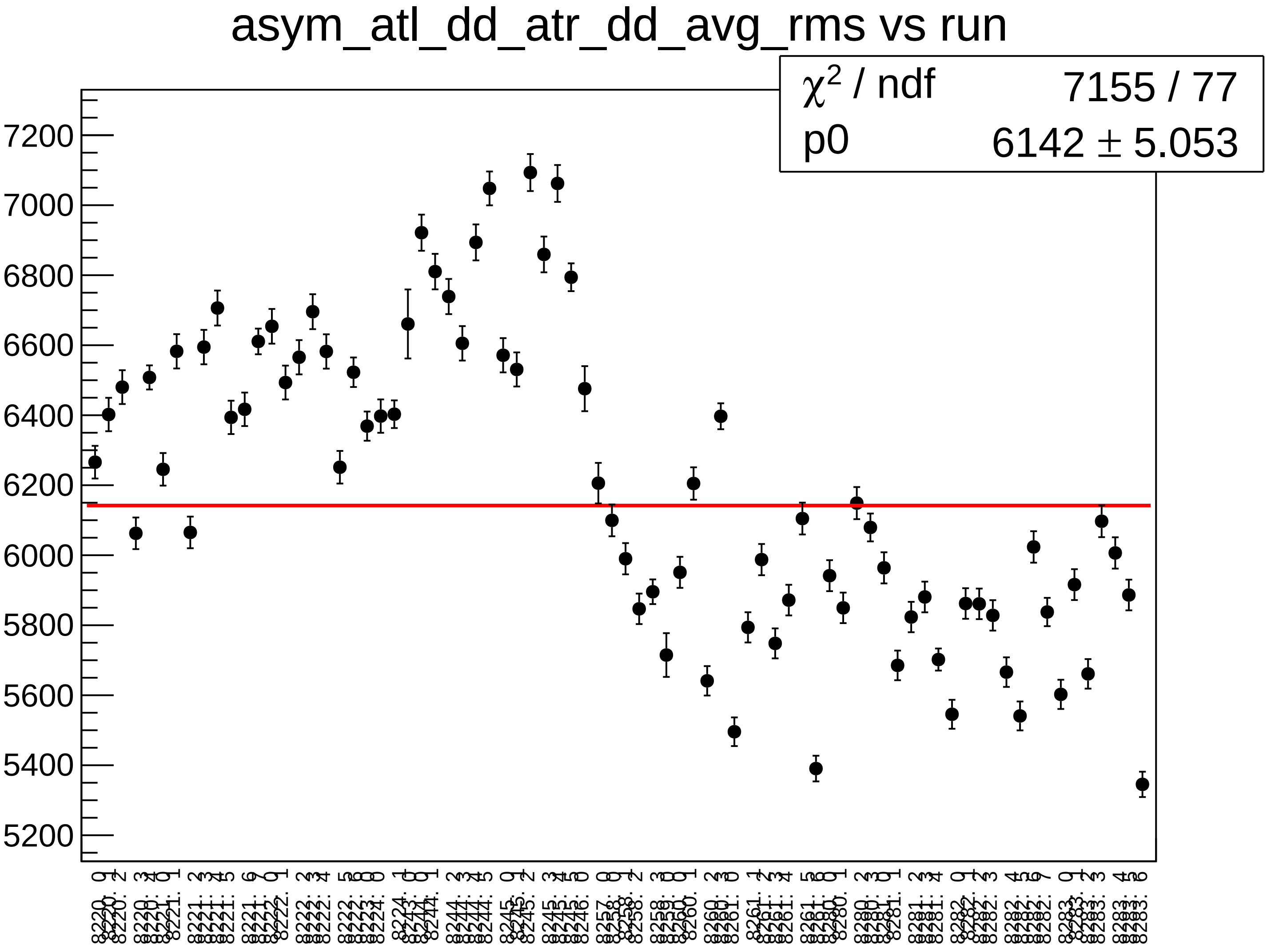


asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ2 / ndf 70.66 / 77
p0 1.473e+04 ± 6973
pull
Entries 78
Mean −172.8
Std Dev 218.4
pull1D
Entries 78
Mean −0.01879
Std Dev 0.9516

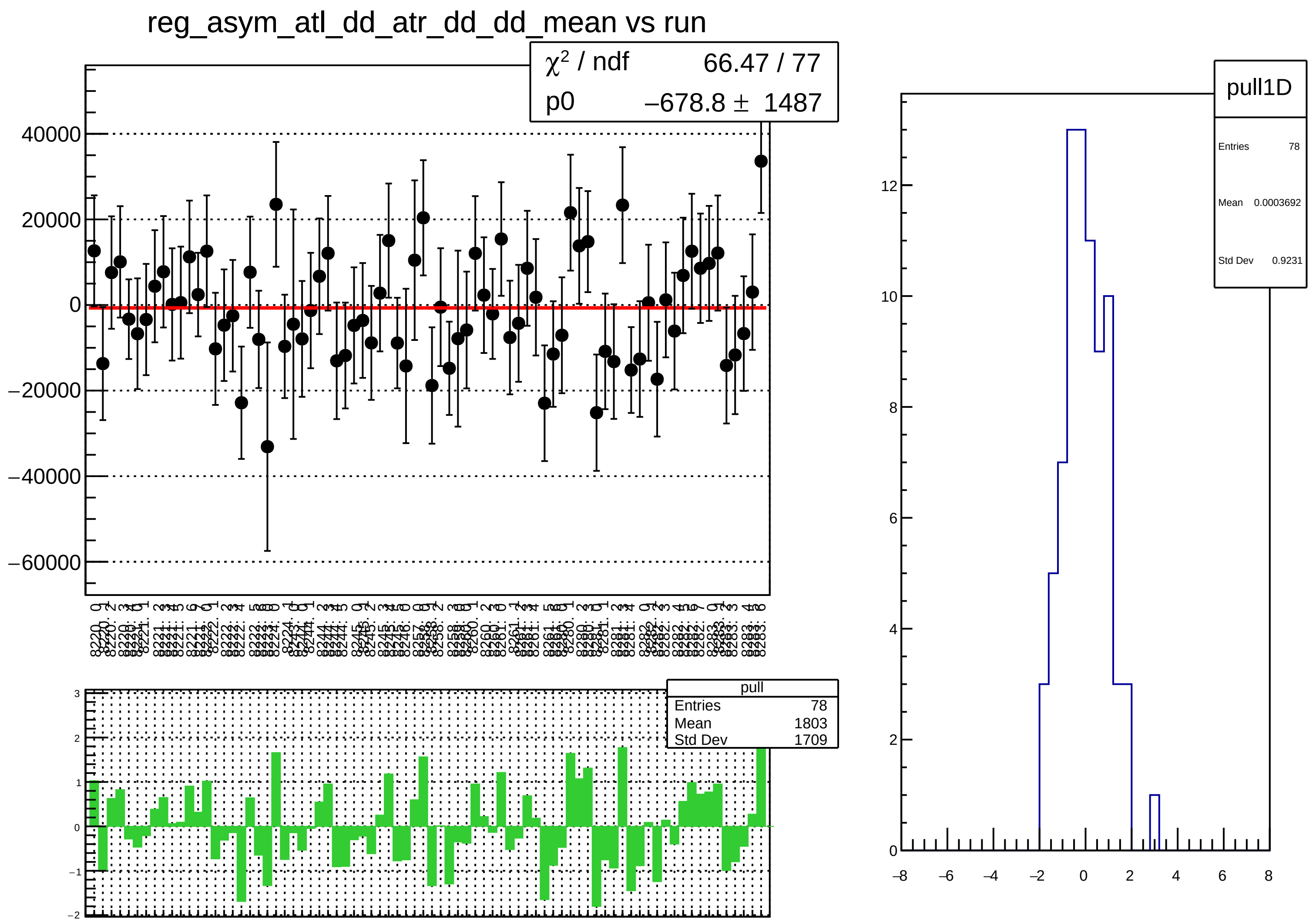


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 7850 / 77
p0 5992 ± 4.93
7000
6500
6000
5500
5000

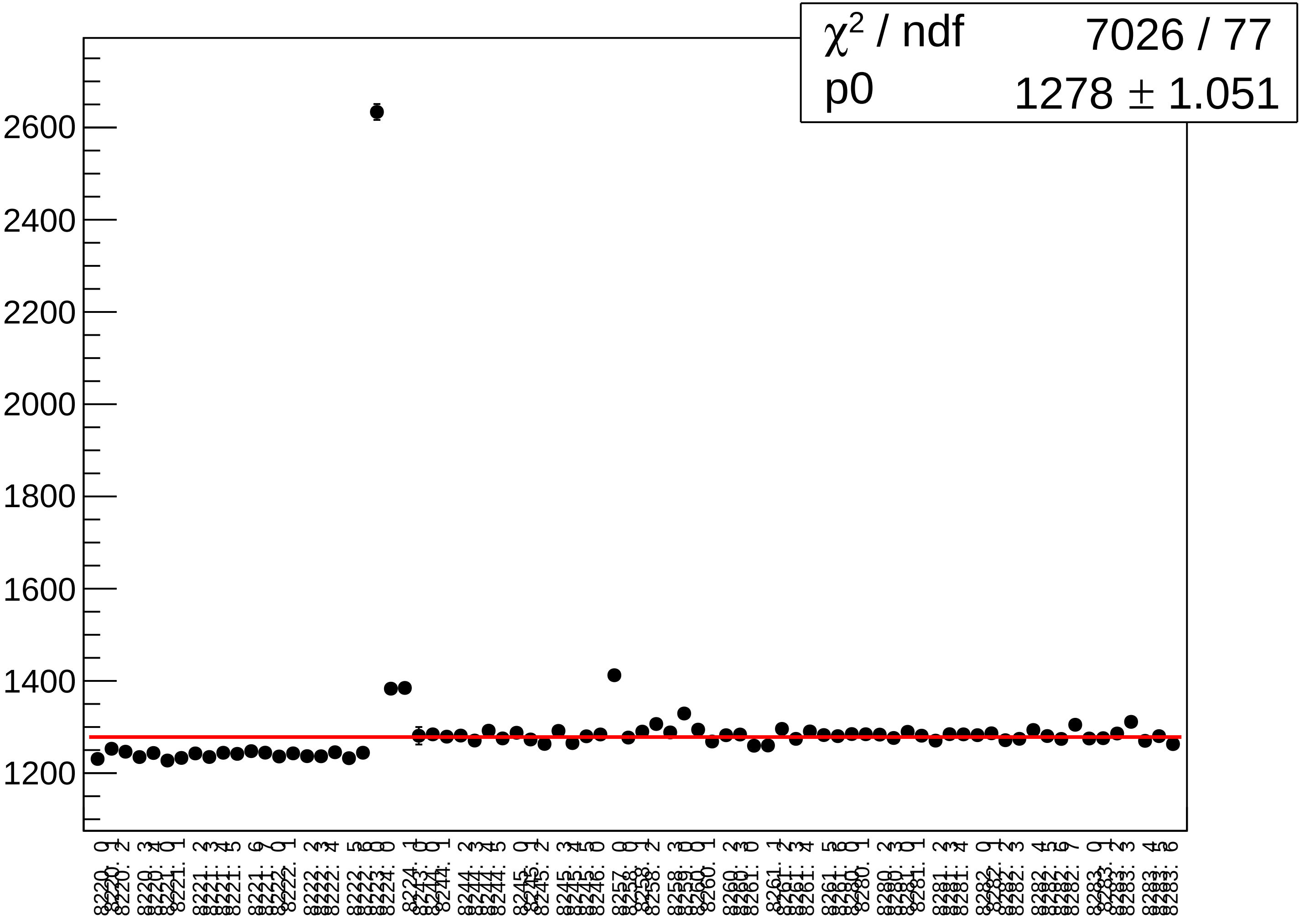

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 67.71 / 77
p0 −1.369e+04 ± 7145
300
200
100
0
−100
−200
pull
Entries 78
Mean −143.3
Std Dev 190.5
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01721
Std Dev 0.9315
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

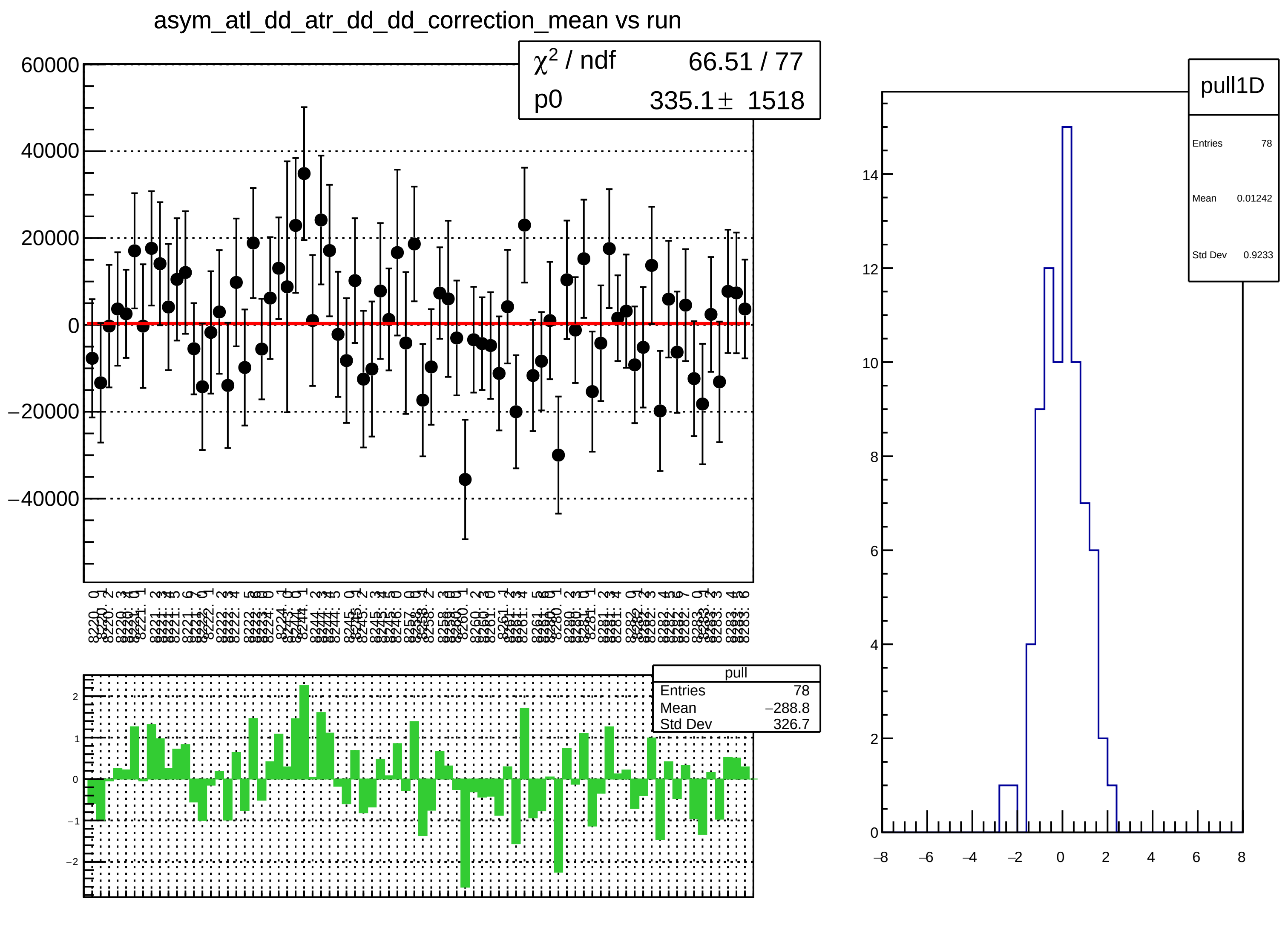


asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 7155 / 77
p0 6142 ± 5.053
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

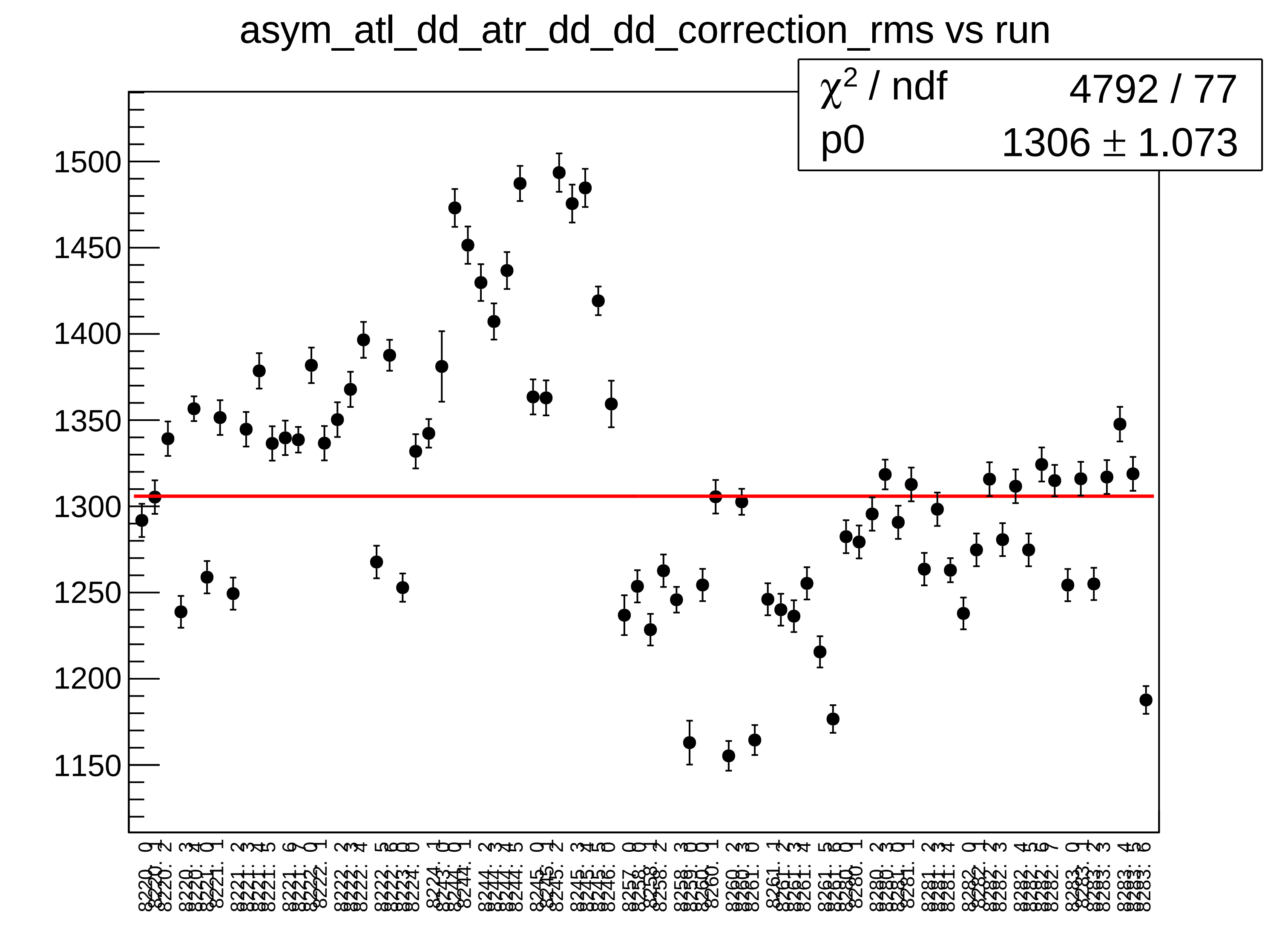

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 66.47 / 77
p0 −678.8 ± 1487
pull
Entries 78
Mean 1803
Std Dev 1709
pull1D
Entries 78
Mean 0.0003692
Std Dev 0.9231

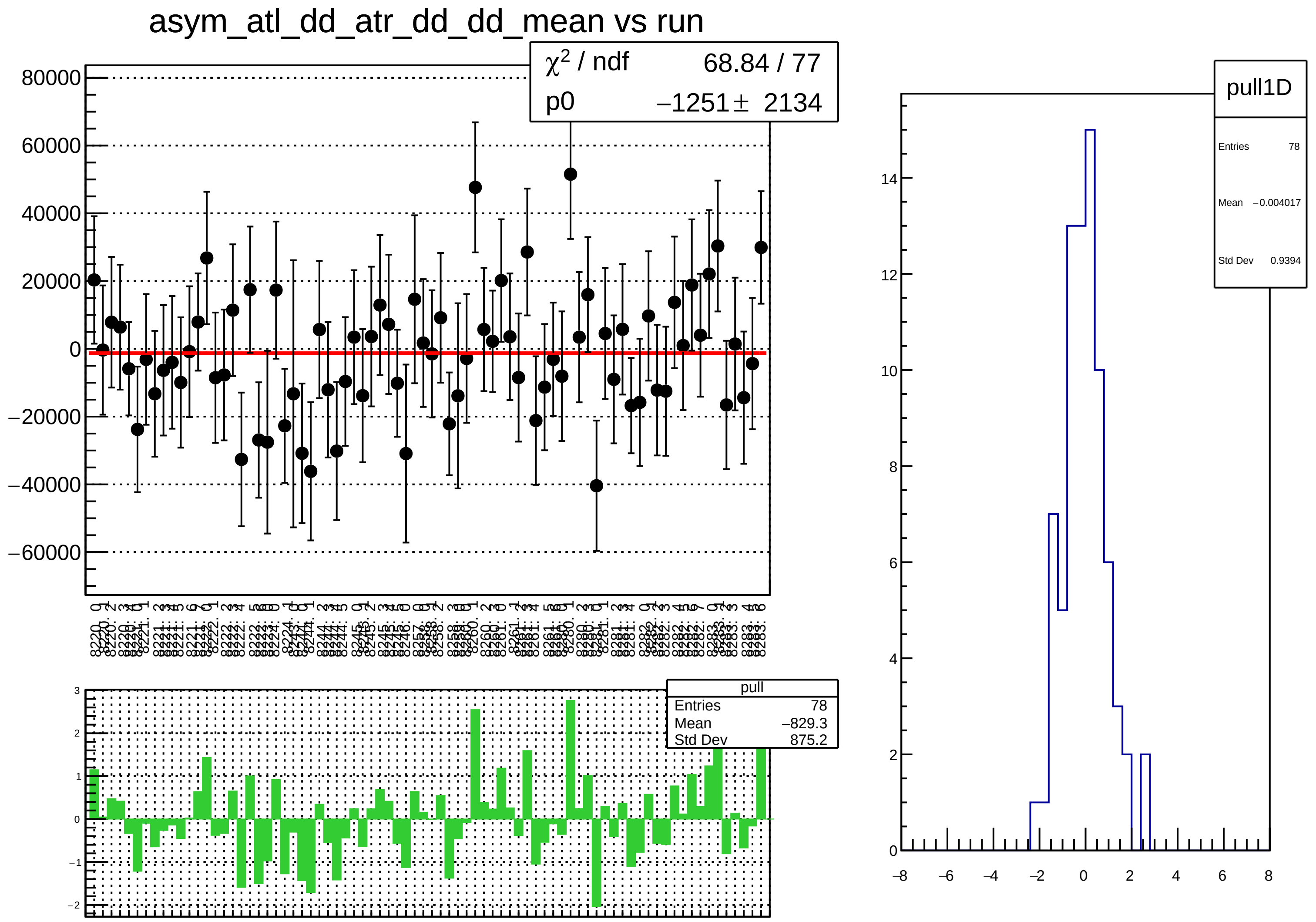
reg_asym_atl_dd_atr_dd_dd_rms vs run





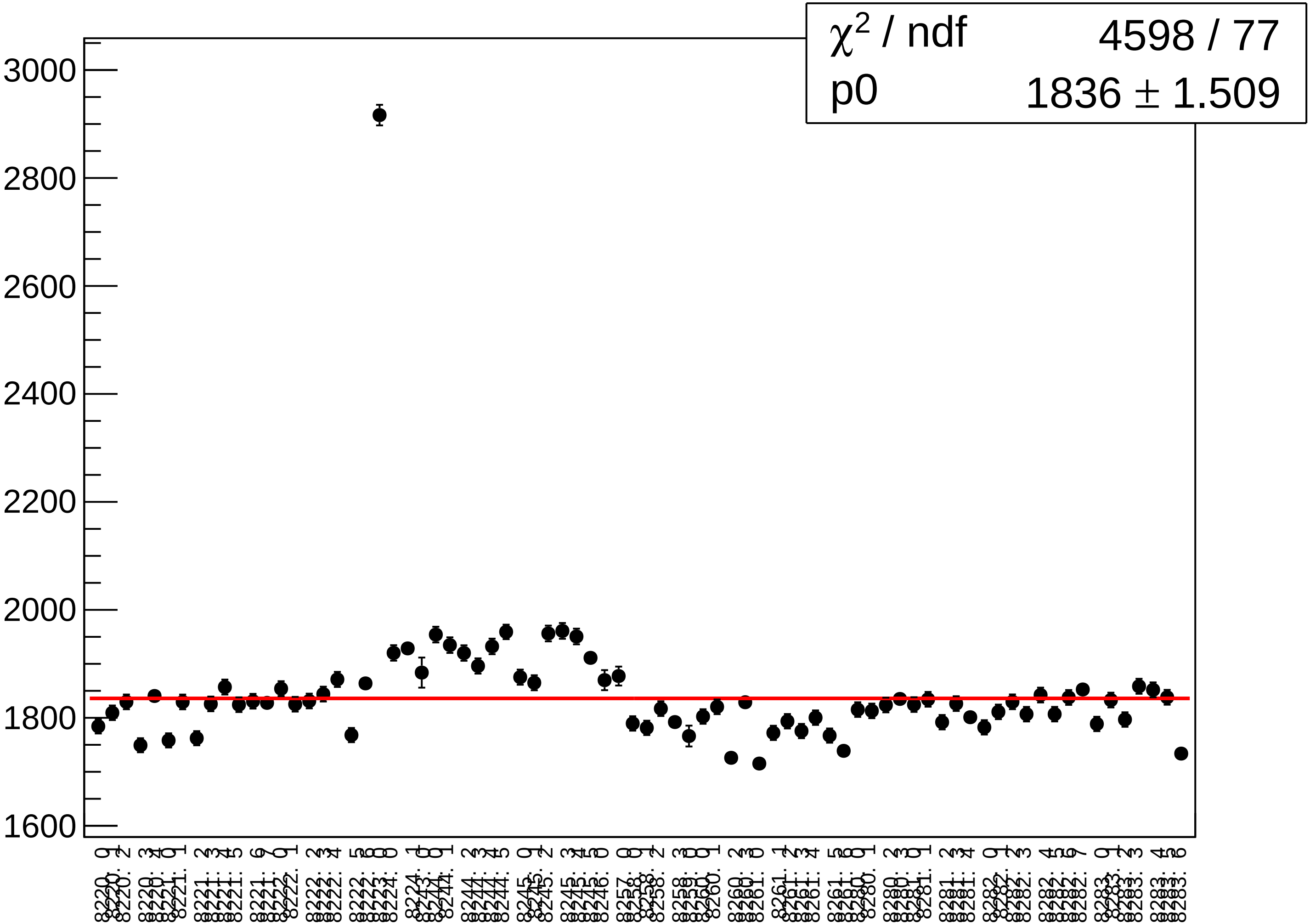
asym_atl_dd_atr_dd_dd_correction_mean vs run
χ^2 / ndf 66.51 / 77
p0 335.1 ± 1518
pull
Entries 78
Mean −288.8
Std Dev 326.7
pull1D
Entries 78
Mean 0.01242
Std Dev 0.9233

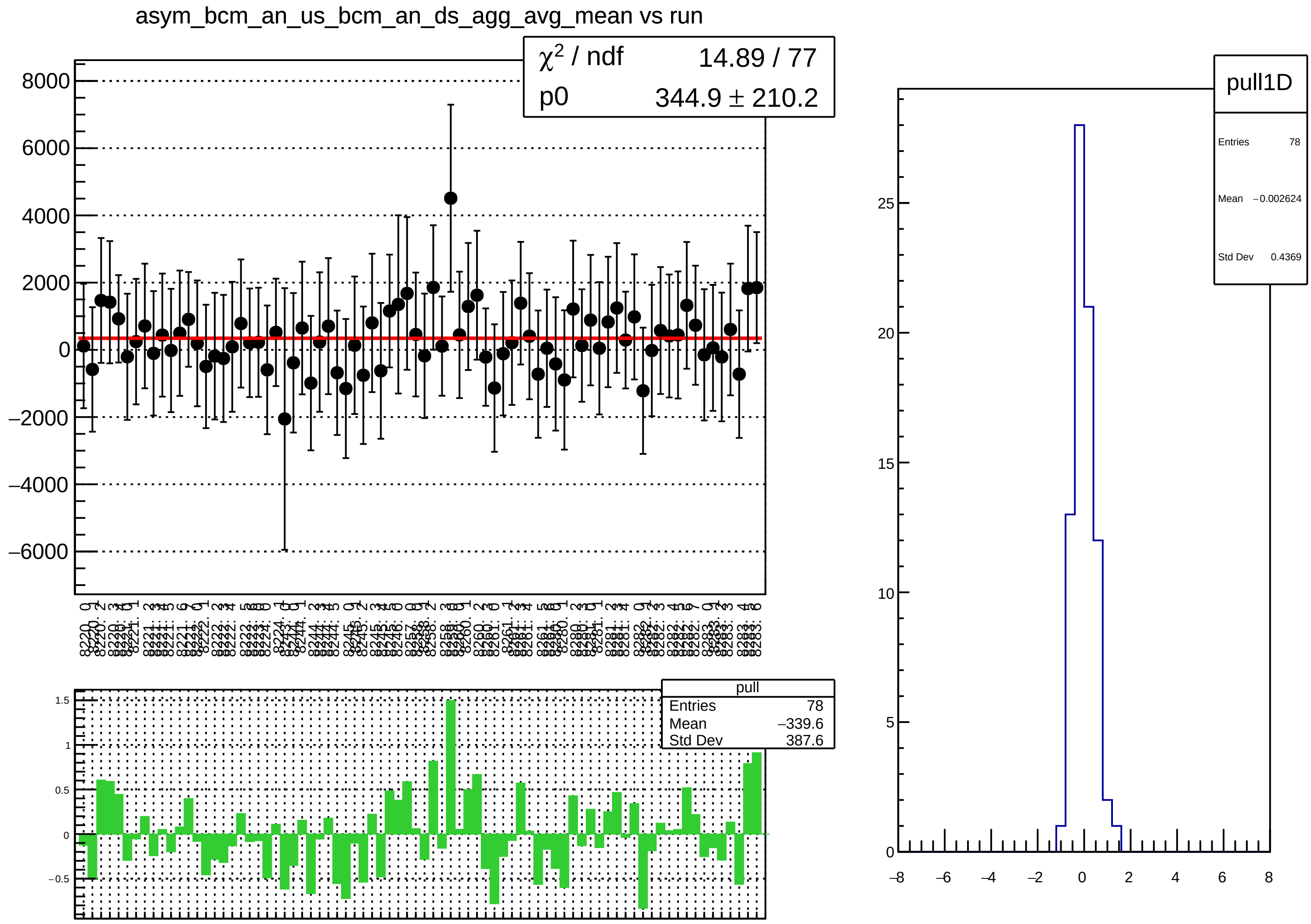

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 4792 / 77
p0 1306 ± 1.073
1500
1450
1400
1350
1300
1250
1200
1150



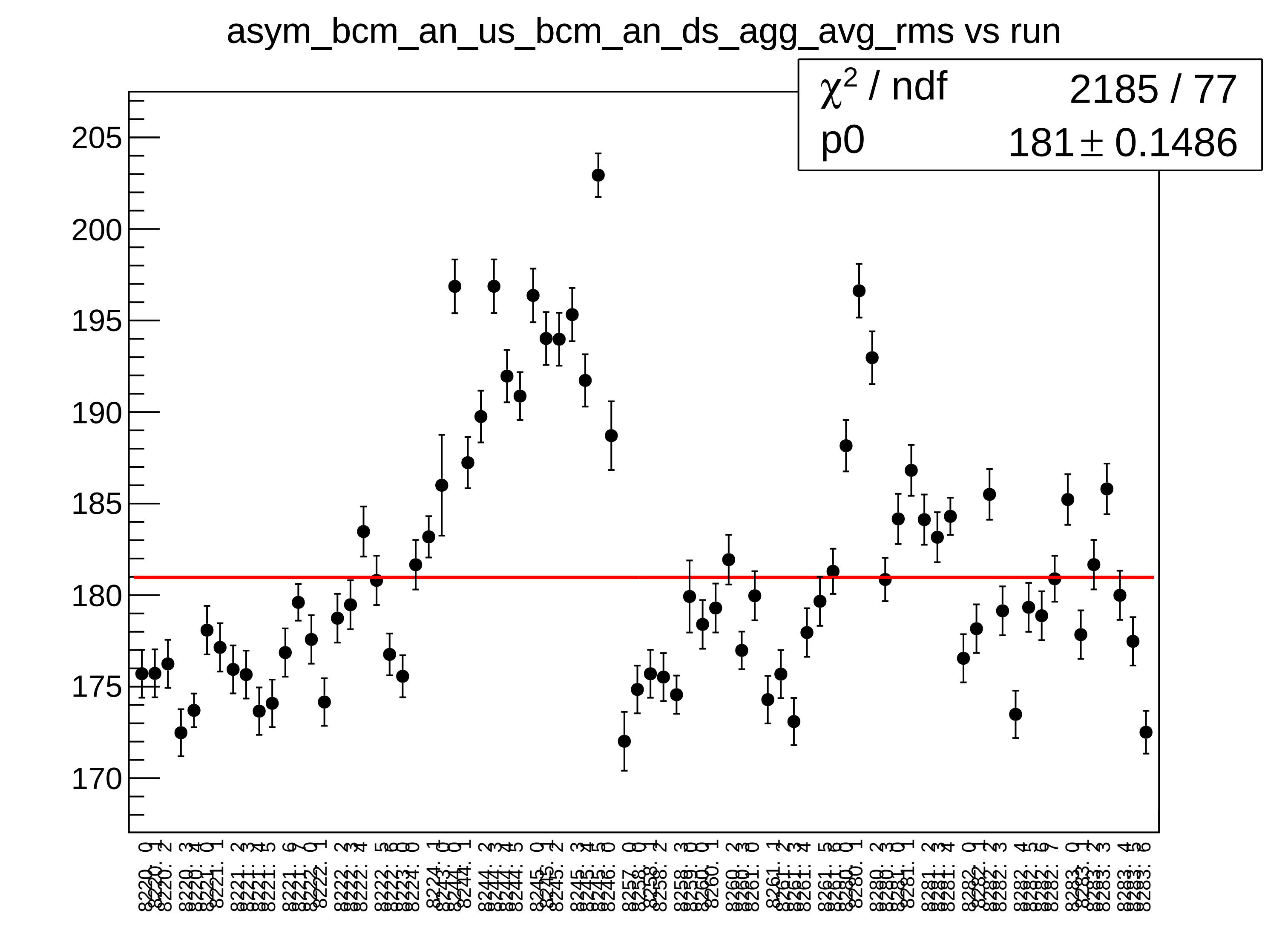
asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 68.84 / 77
p0 −1251 ± 2134
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −829.3
Std Dev 875.2
pull1D
Entries 78
Mean −0.004017
Std Dev 0.9394

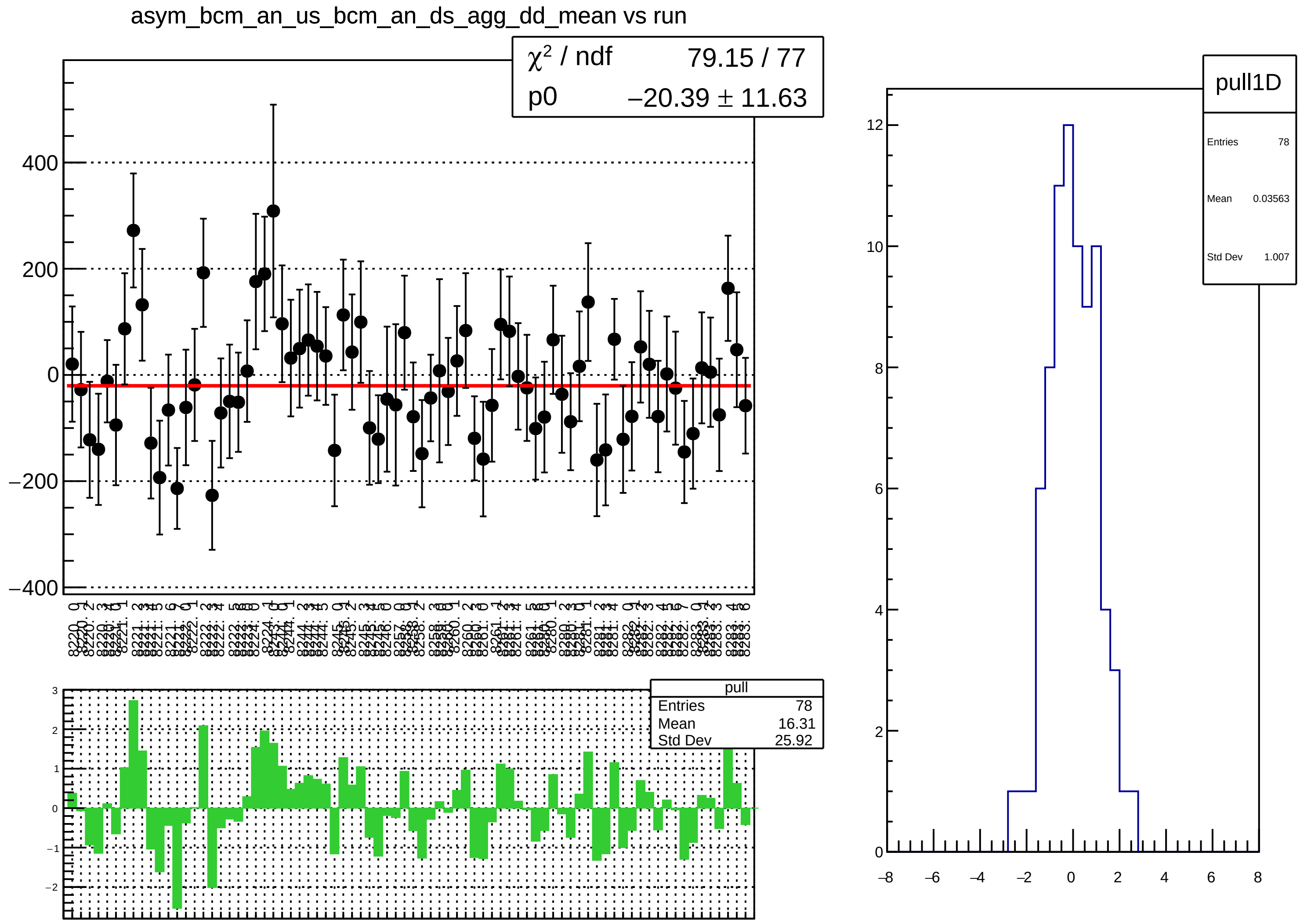
asym_atl_dd_atr_dd_dd_rms vs run



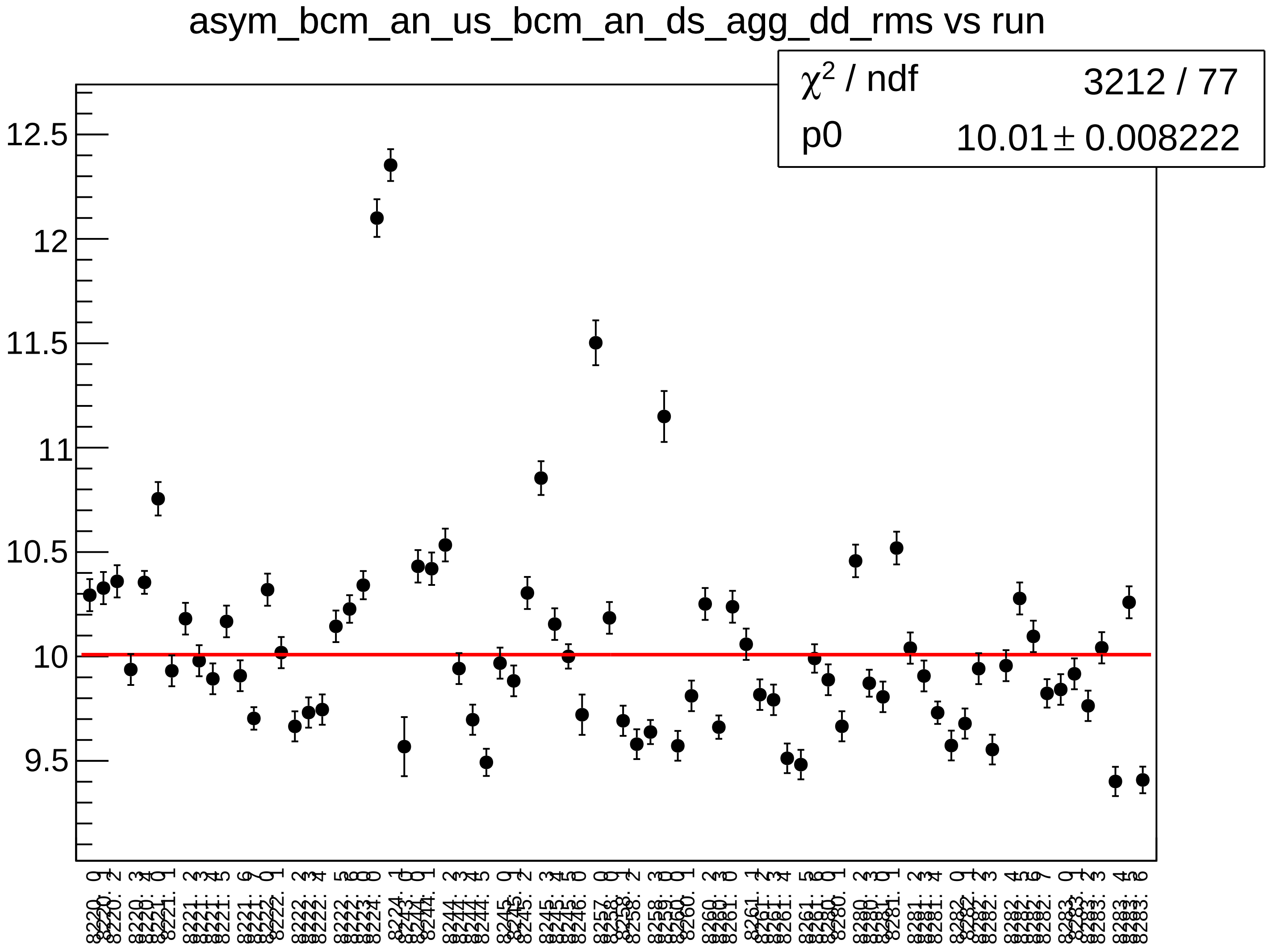


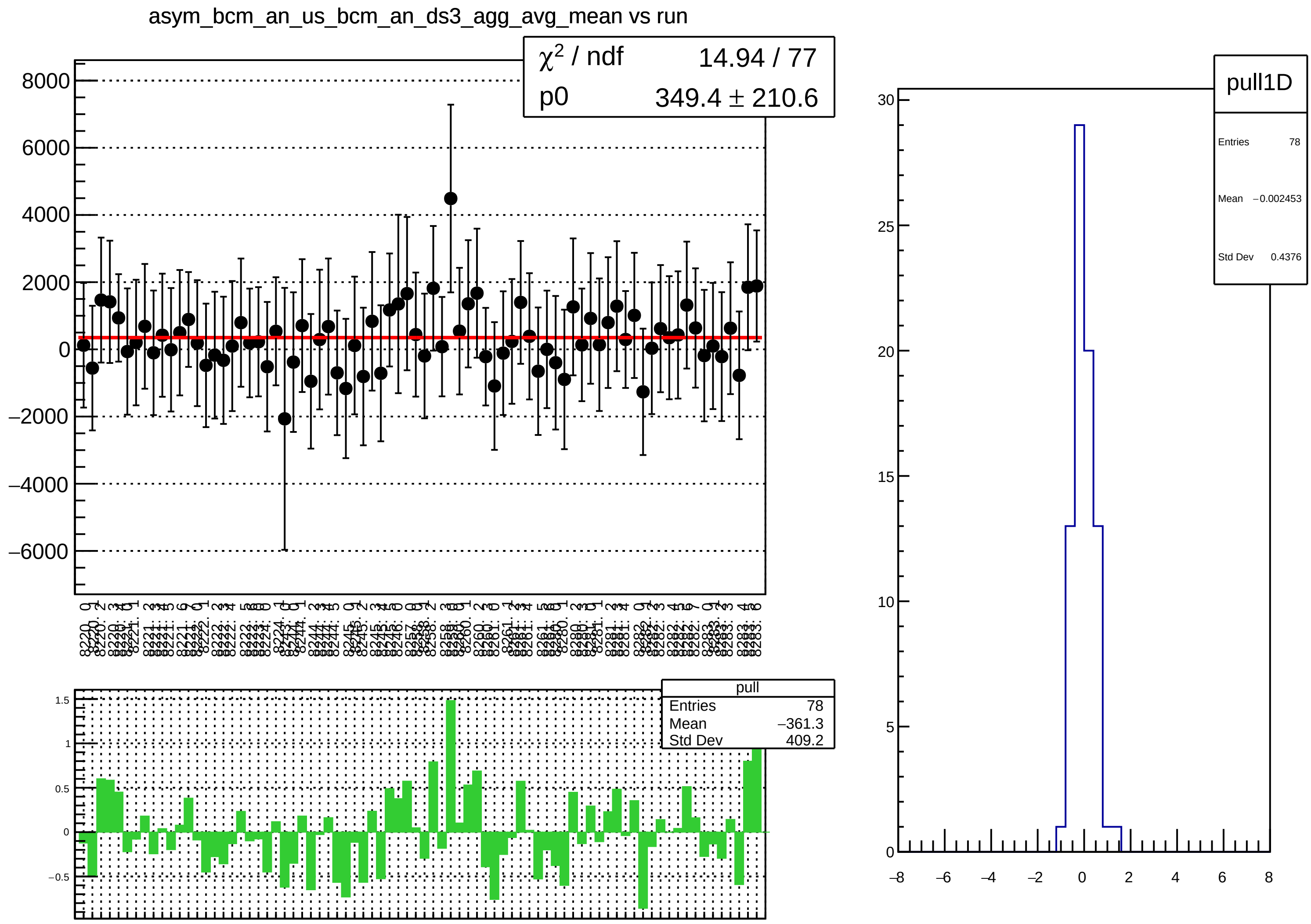
asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 14.89 / 77
p0 344.9 ± 210.2
pull
Entries 78
Mean −339.6
Std Dev 387.6
pull1D
Entries 78
Mean −0.002624
Std Dev 0.4369

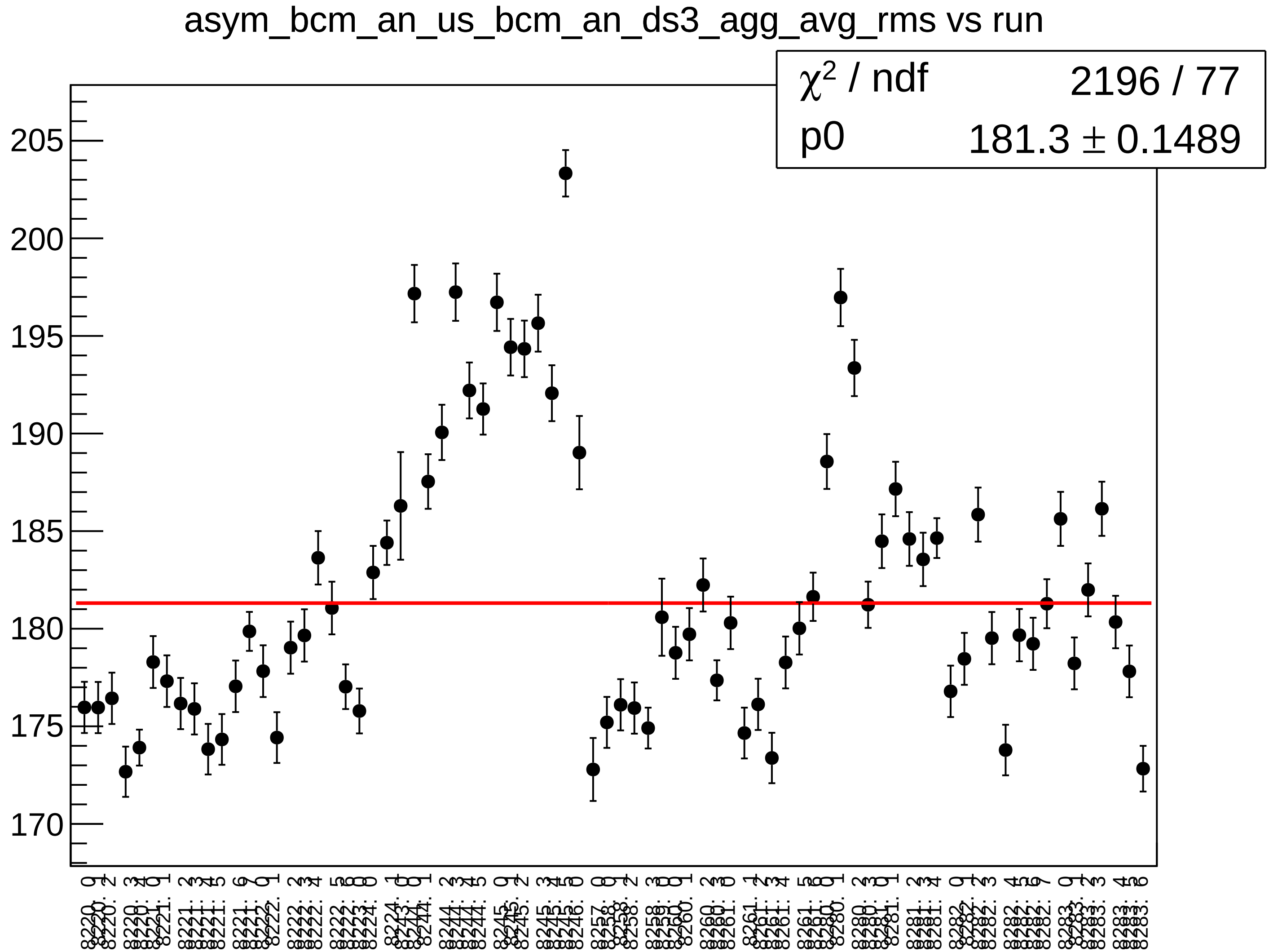

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 2185 / 77
p0 181 ± 0.1486
205
200
195
190
185
180
175
170



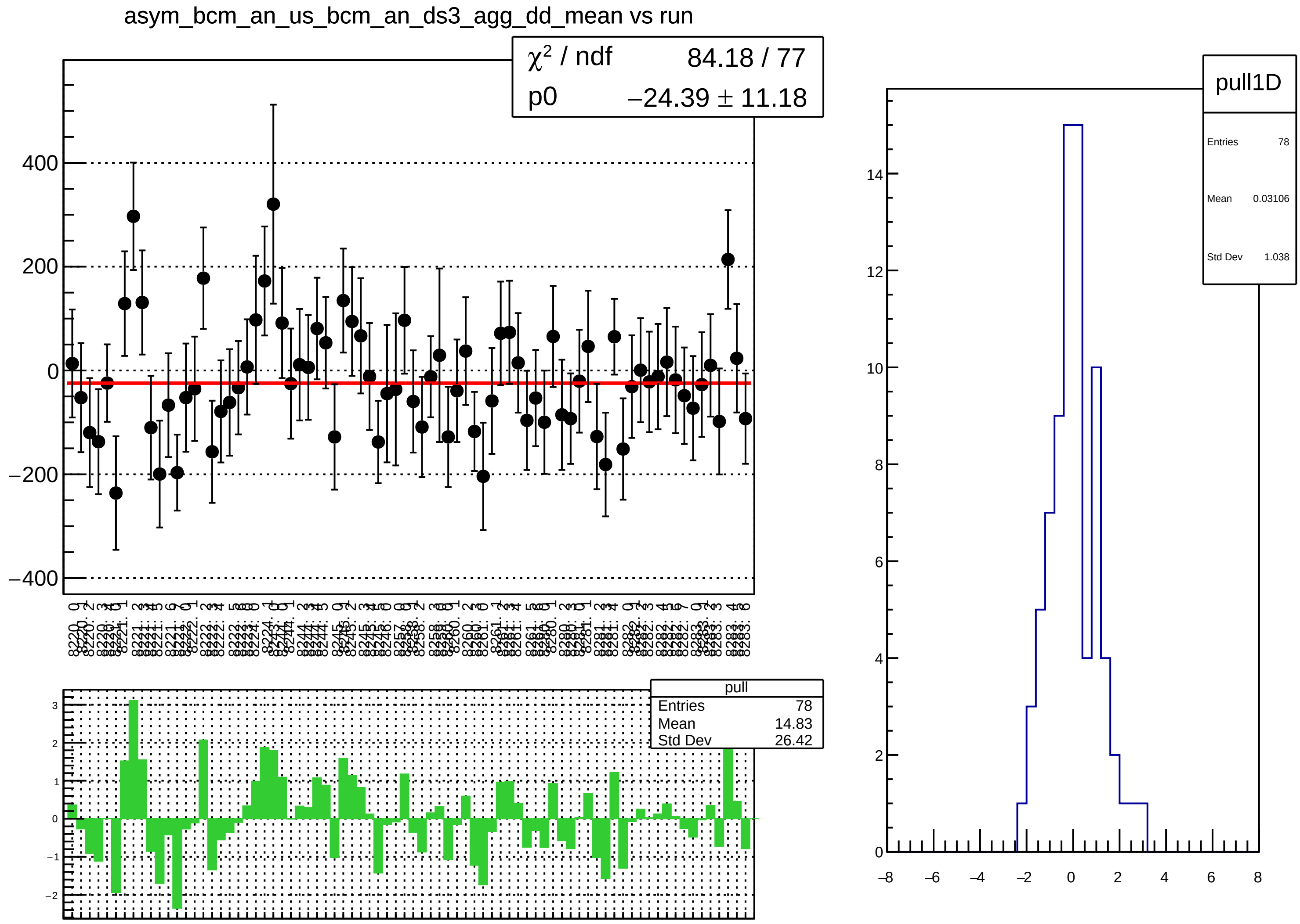
asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 79.15 / 77
p0 −20.39 ± 11.63
pull
Entries 78
Mean 16.31
Std Dev 25.92
pull1D
Entries 78
Mean 0.03563
Std Dev 1.007


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 3212 / 77
p0 10.01 ± 0.008222
12.5
12
11.5
11
10.5
10
9.5

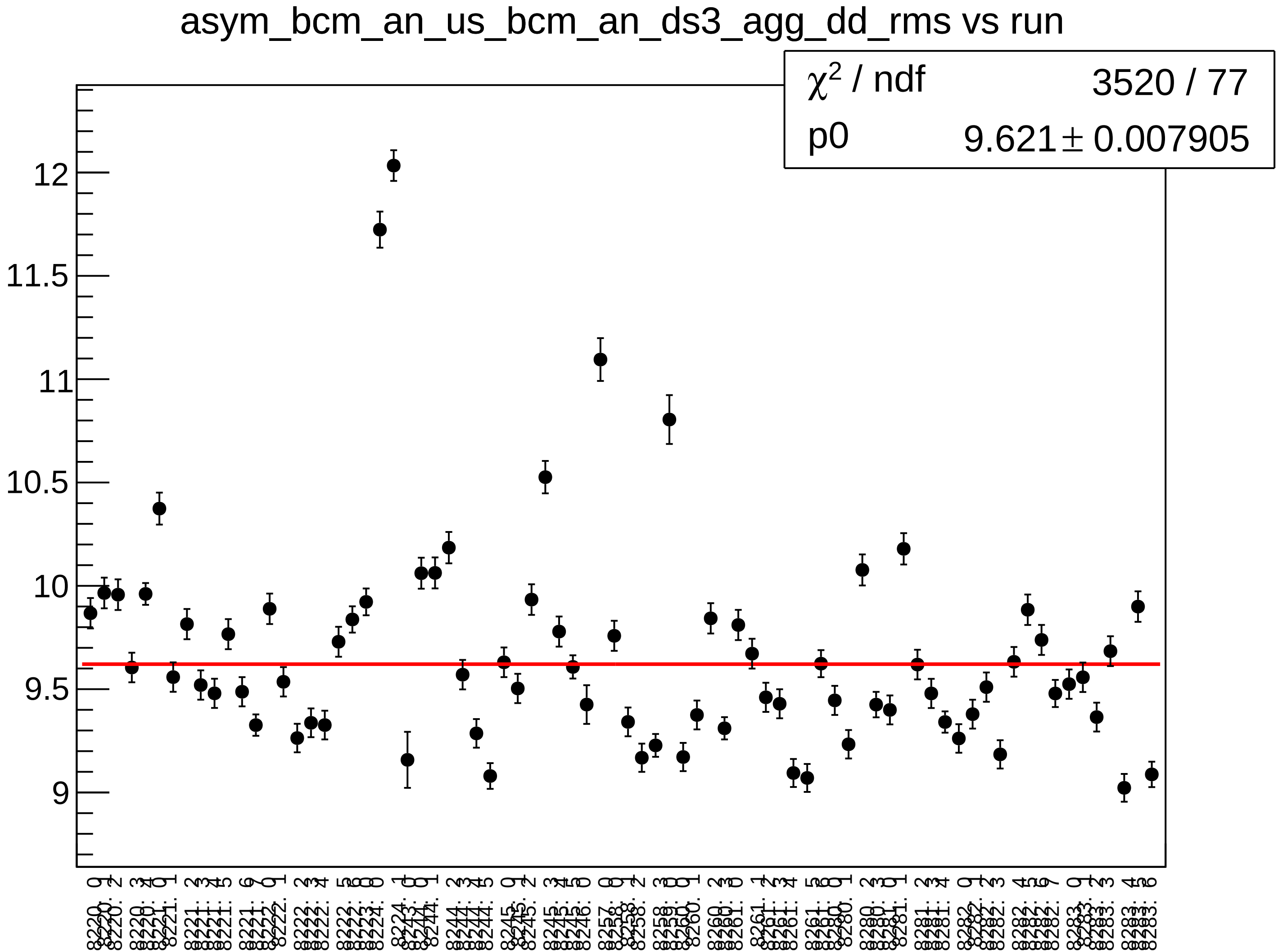

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ^2 / ndf 14.94 / 77
p0 349.4 ± 210.6
pull
Entries 78
Mean −361.3
Std Dev 409.2
pull1D
Entries 78
Mean −0.002453
Std Dev 0.4376

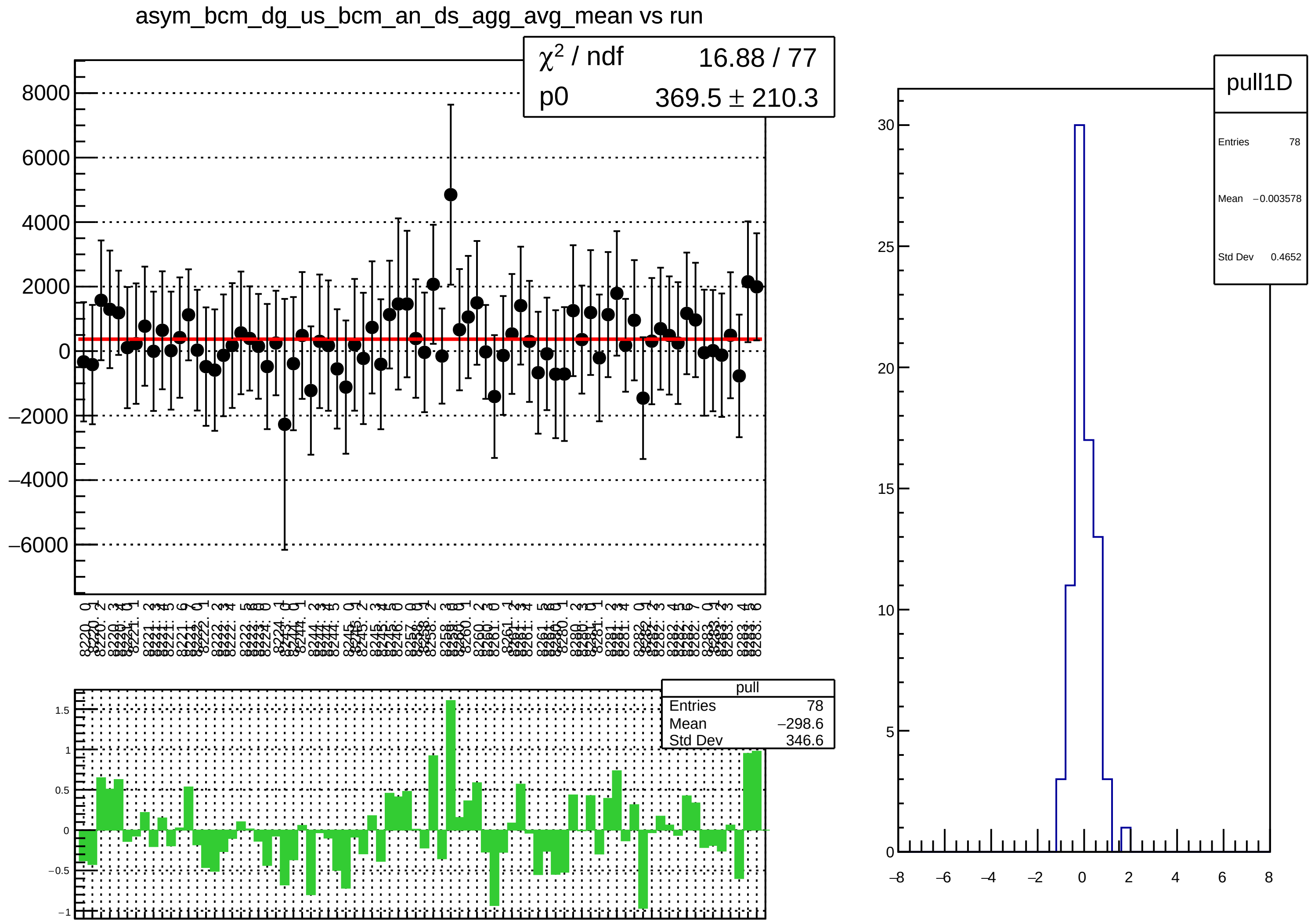


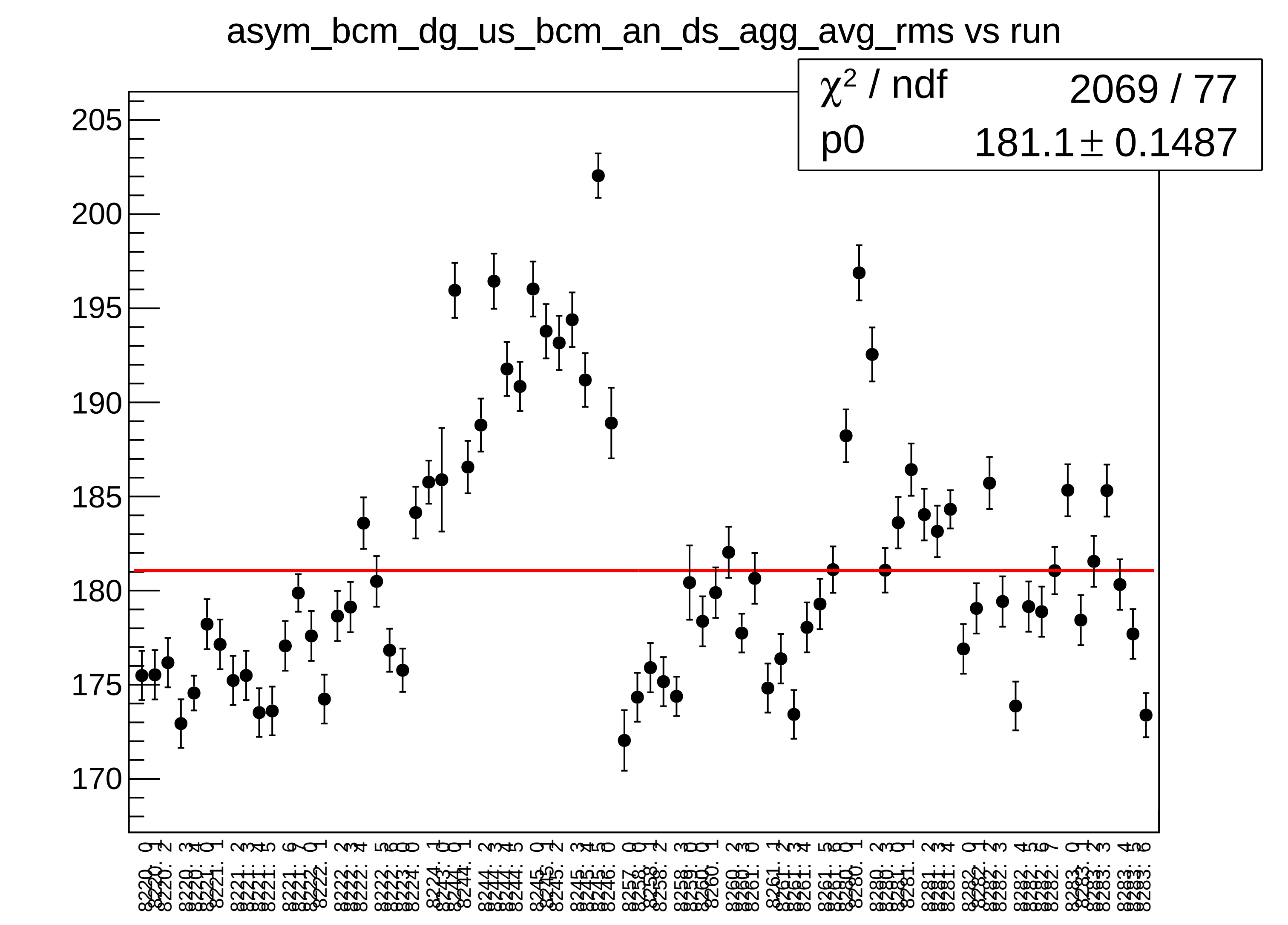
asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ^2 / ndf 2196 / 77
p0 181.3 ± 0.1489
205
200
195
190
185
180
175
170

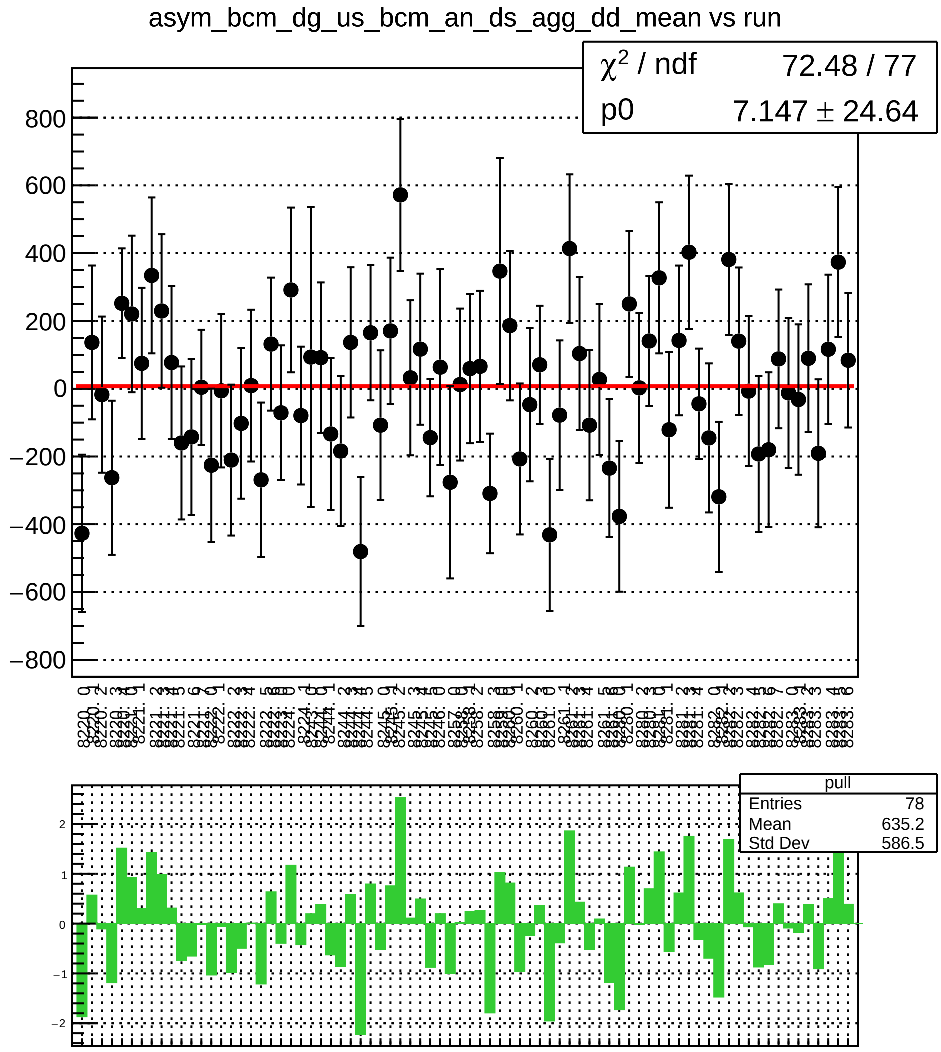


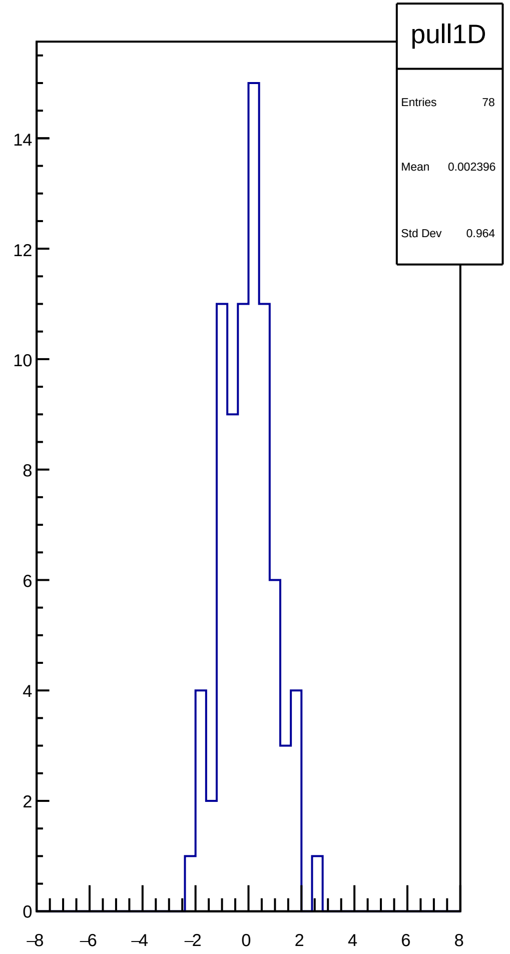
asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ2 / ndf 84.18 / 77
p0 −24.39 ± 11.18
pull
Entries 78
Mean 14.83
Std Dev 26.42
pull1D
Entries 78
Mean 0.03106
Std Dev 1.038

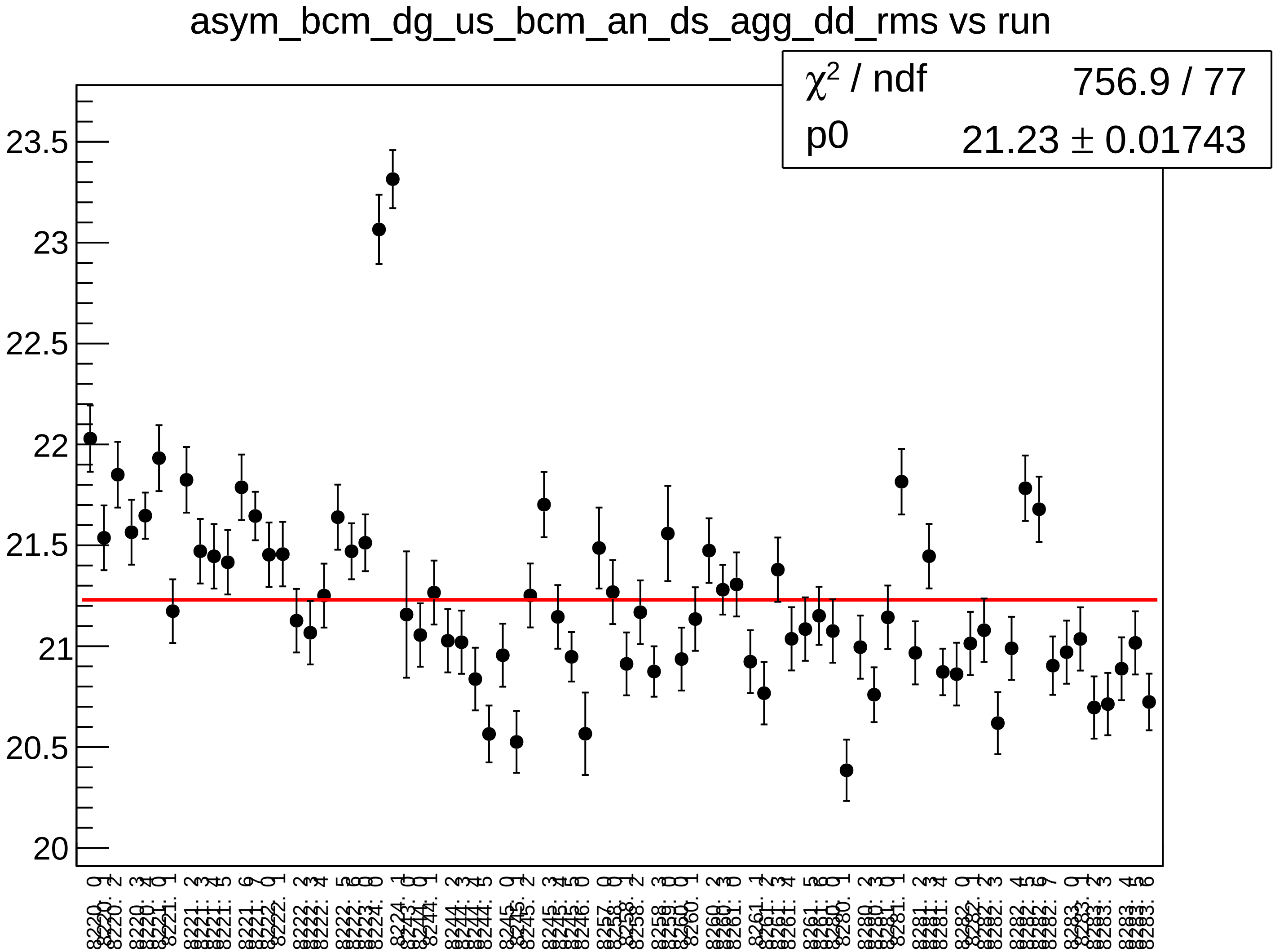

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ^2 / ndf 3520 / 77
p0 9.621 ± 0.007905
12
11.5
11
10.5
10
9.5
9


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ2 / ndf 16.88 / 77
p0 369.5 ± 210.3
pull
Entries 78
Mean −298.6
Std Dev 346.6
pull1D
Entries 78
Mean −0.003578
Std Dev 0.4652

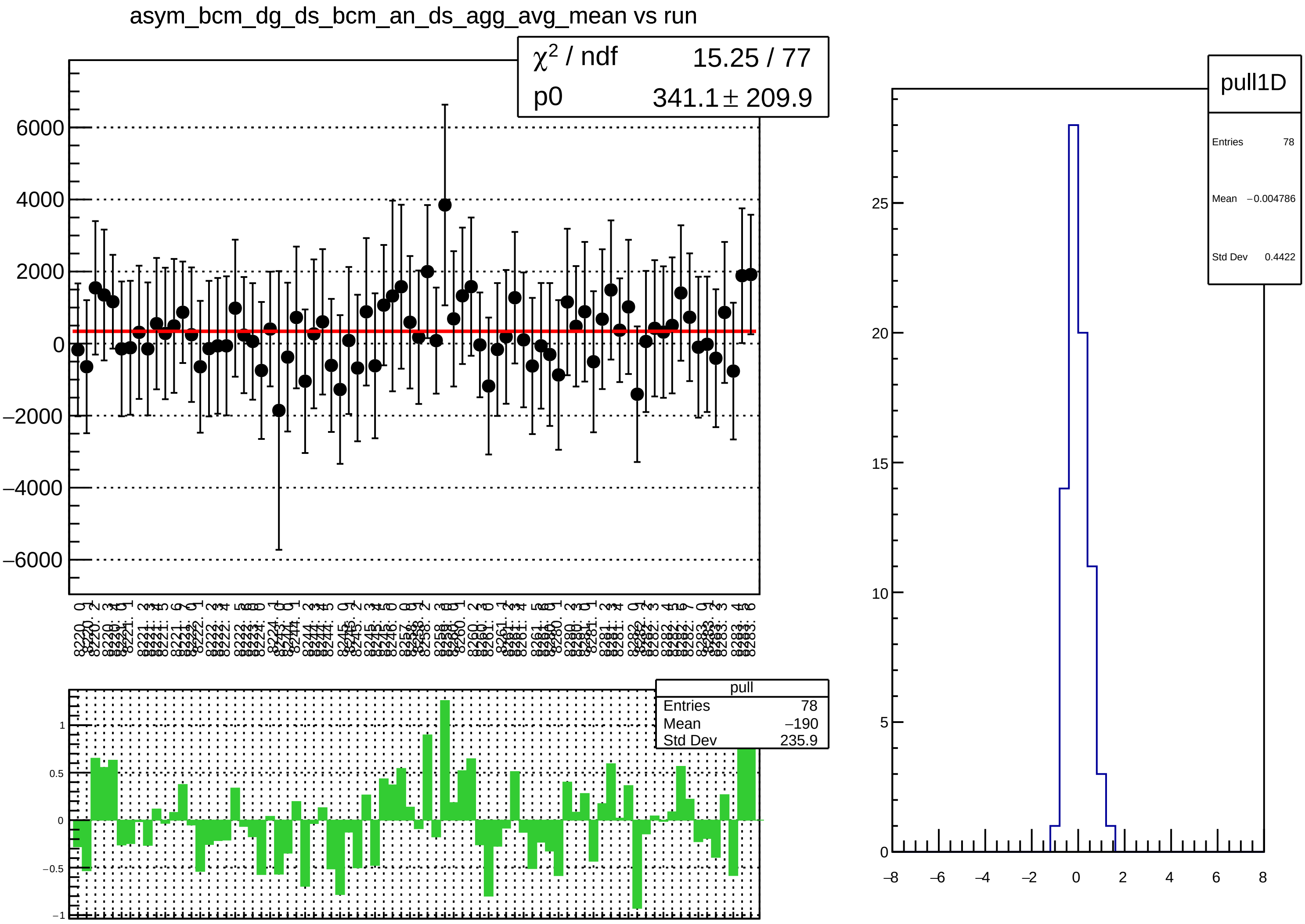

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 2069 / 77
p0 181.1 ± 0.1487
205
200
195
190
185
180
175
170


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 72.48 / 77
p0 7.147 ± 24.64
pull
Entries 78
Mean 635.2
Std Dev 586.5

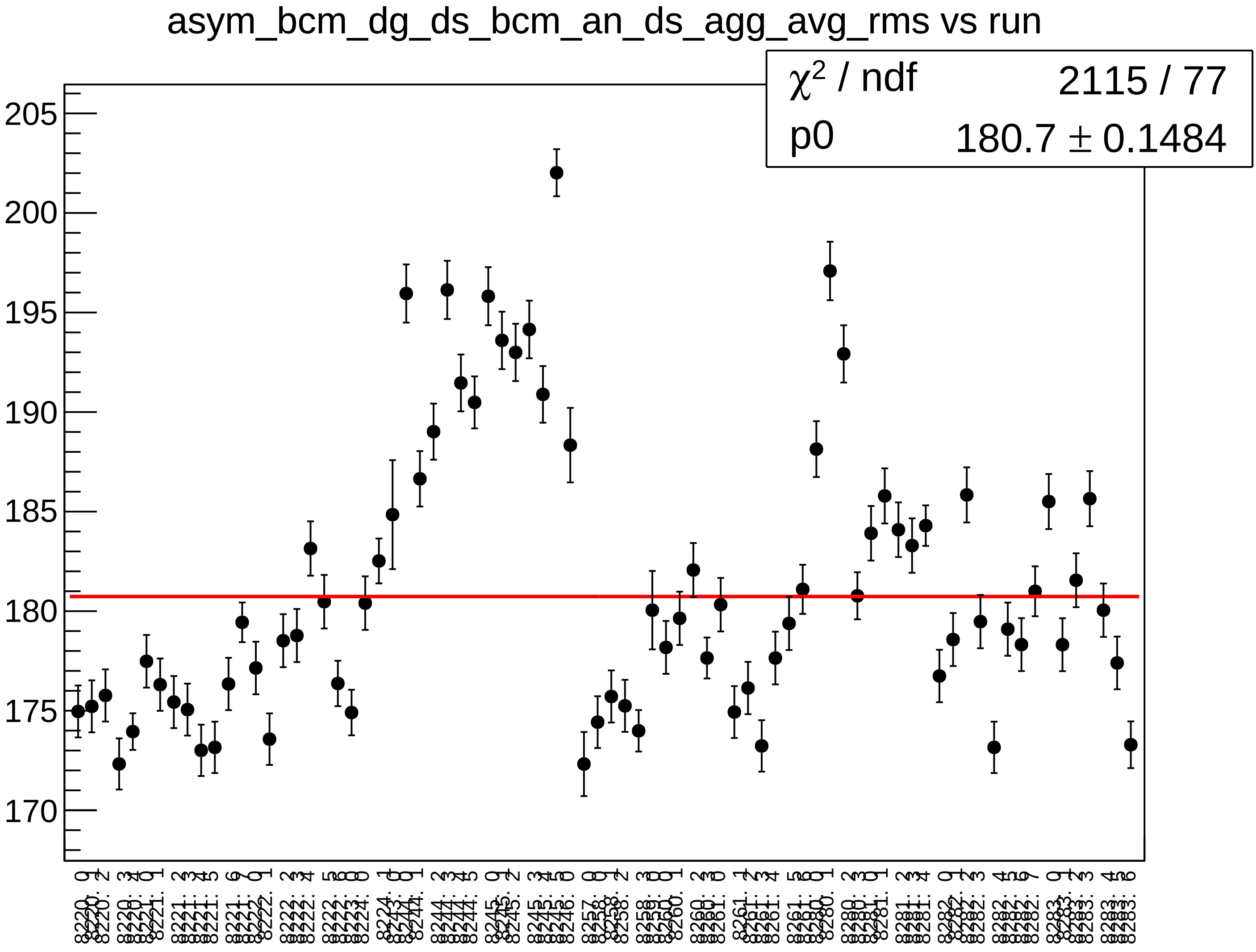

pull1D
Entries 78
Mean 0.002396
Std Dev 0.964

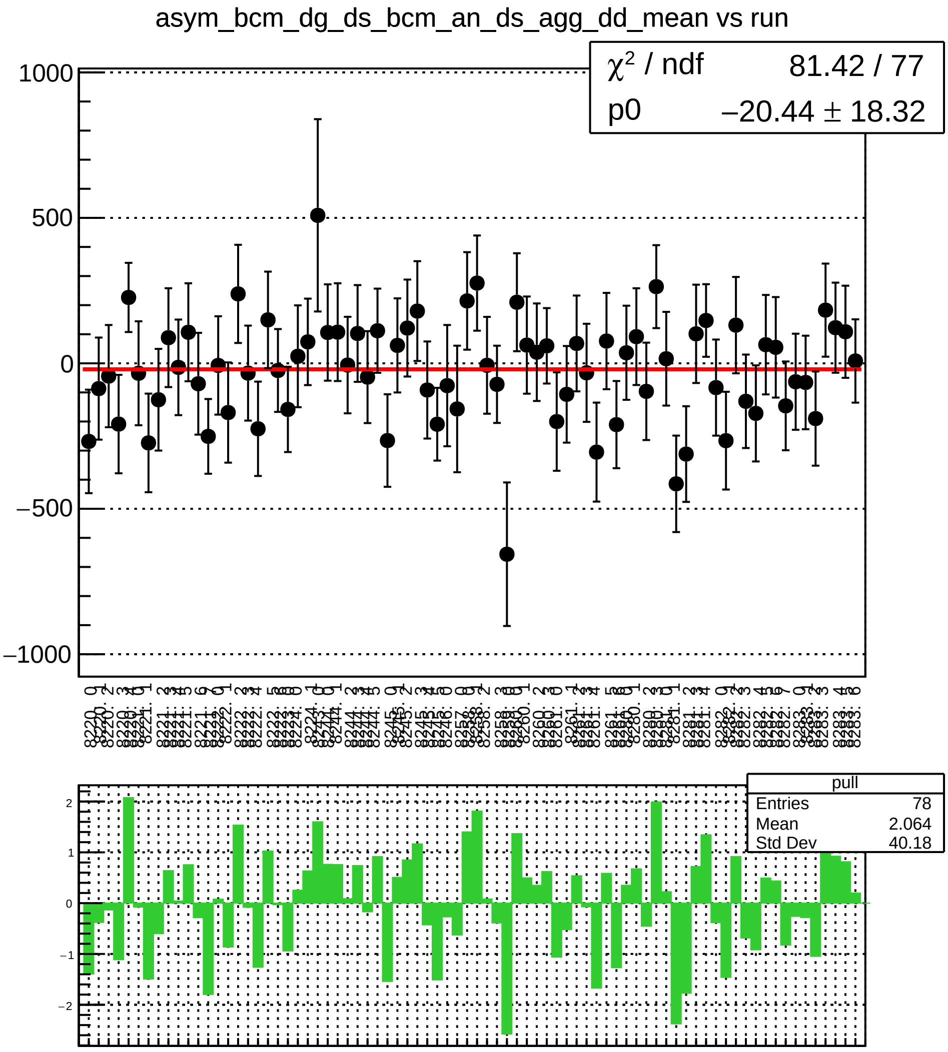


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 756.9 / 77
p0 21.23 ± 0.01743
23.5
23
22.5
22
21.5
21
20.5
20

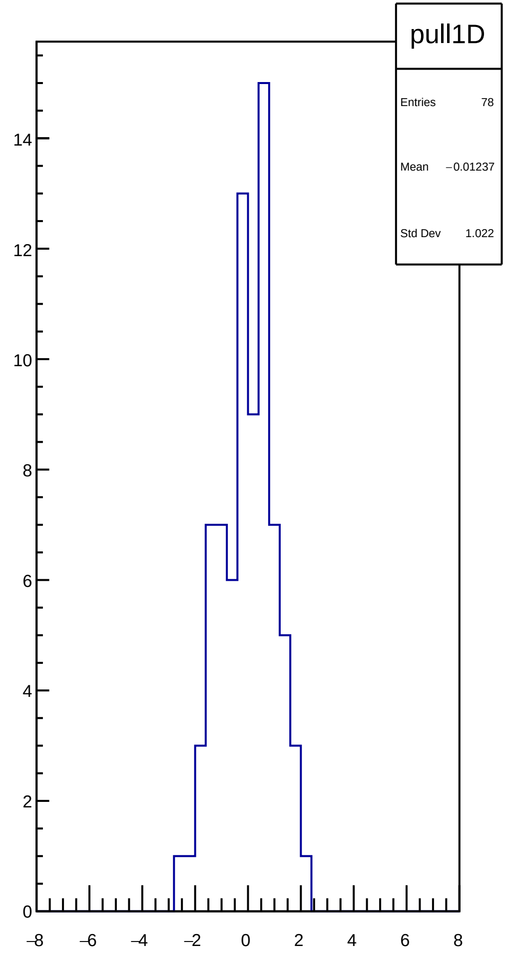


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 15.25 / 77
p0 341.1 ± 209.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 78
Mean −190
Std Dev 235.9
1
0.5
0
−0.5
−1
pull1D
Entries 78
Mean −0.004786
Std Dev 0.4422
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

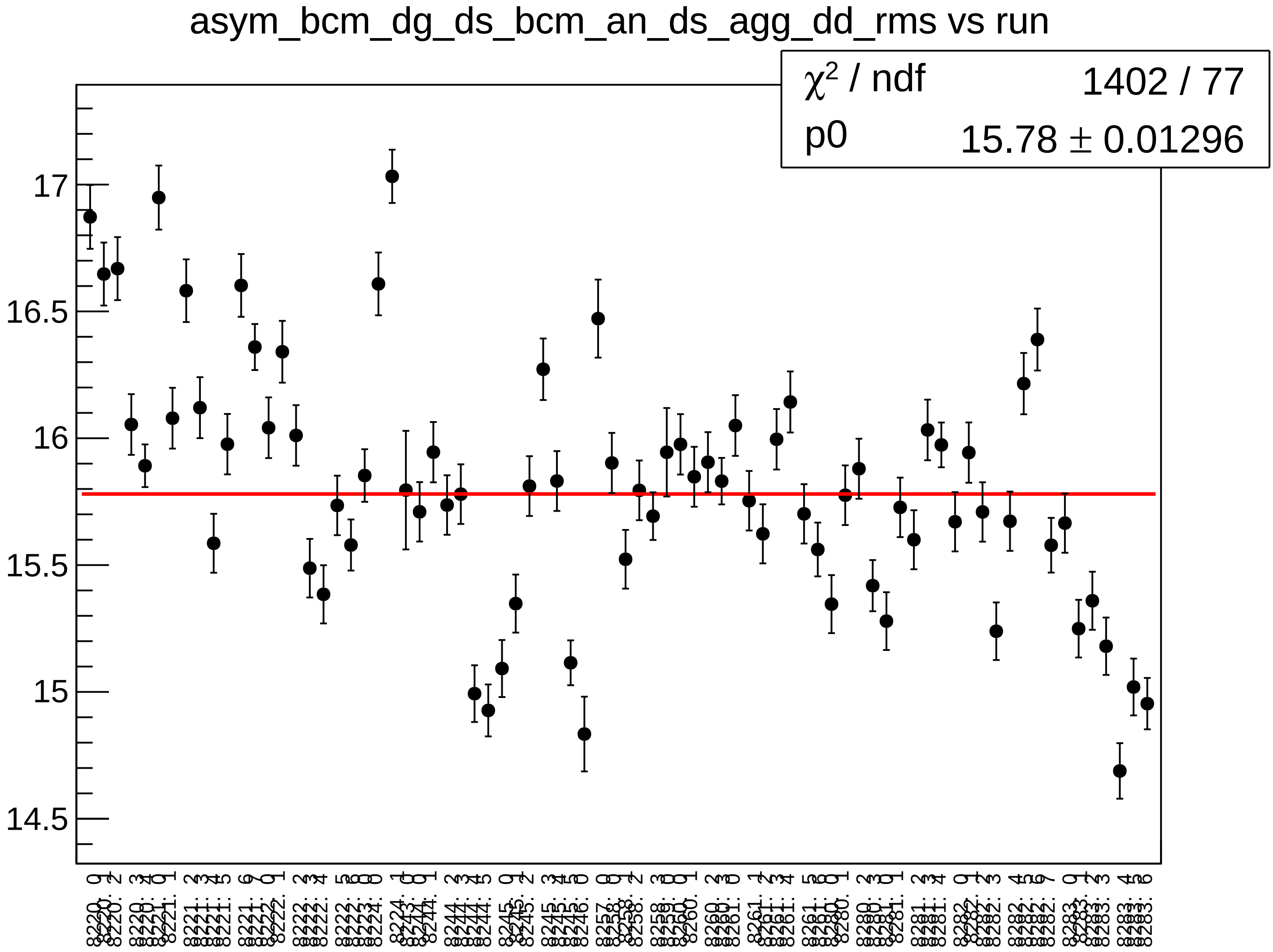

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 2115 / 77
p0 180.7 ± 0.1484
205
200
195
190
185
180
175
170

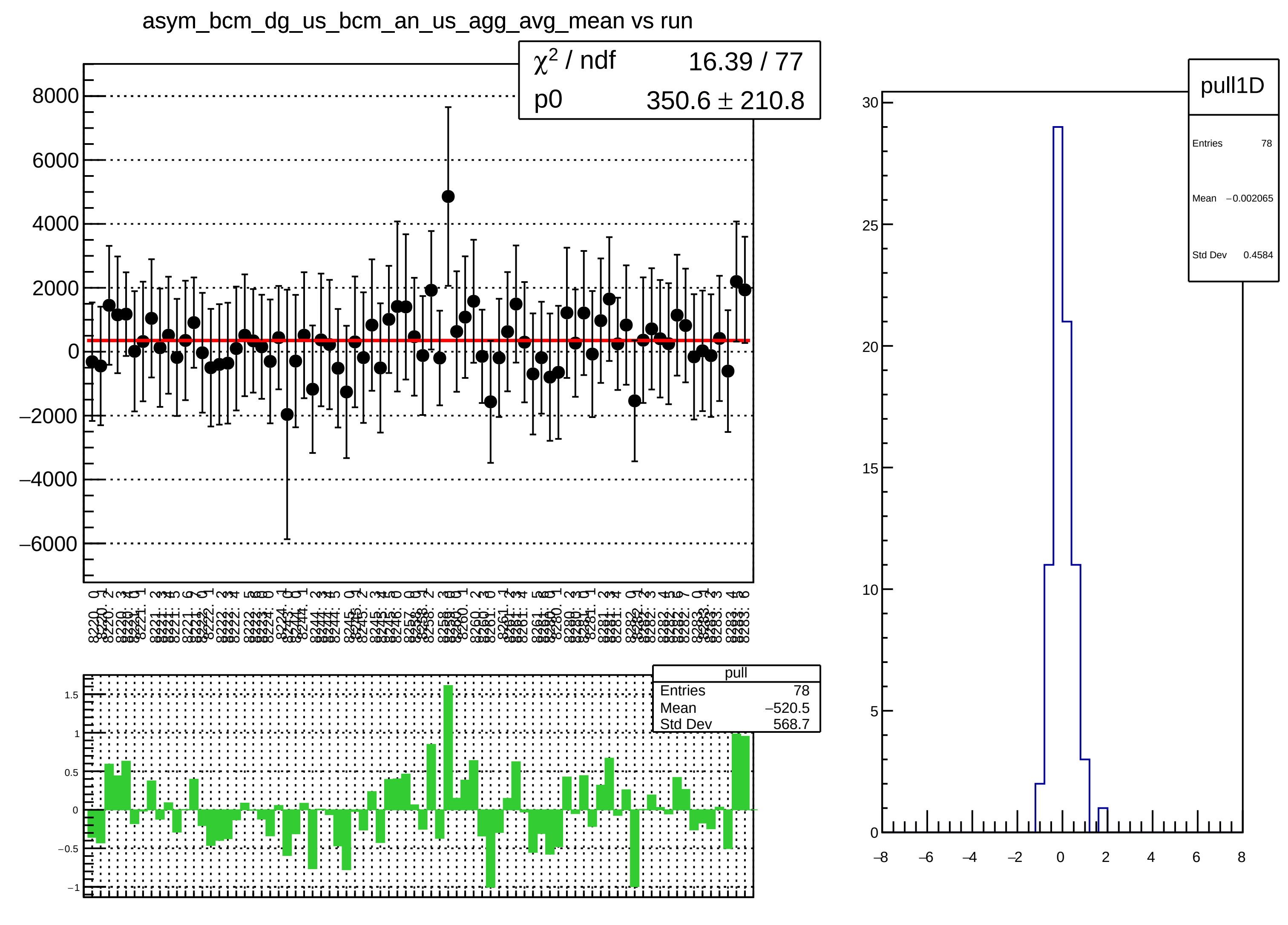


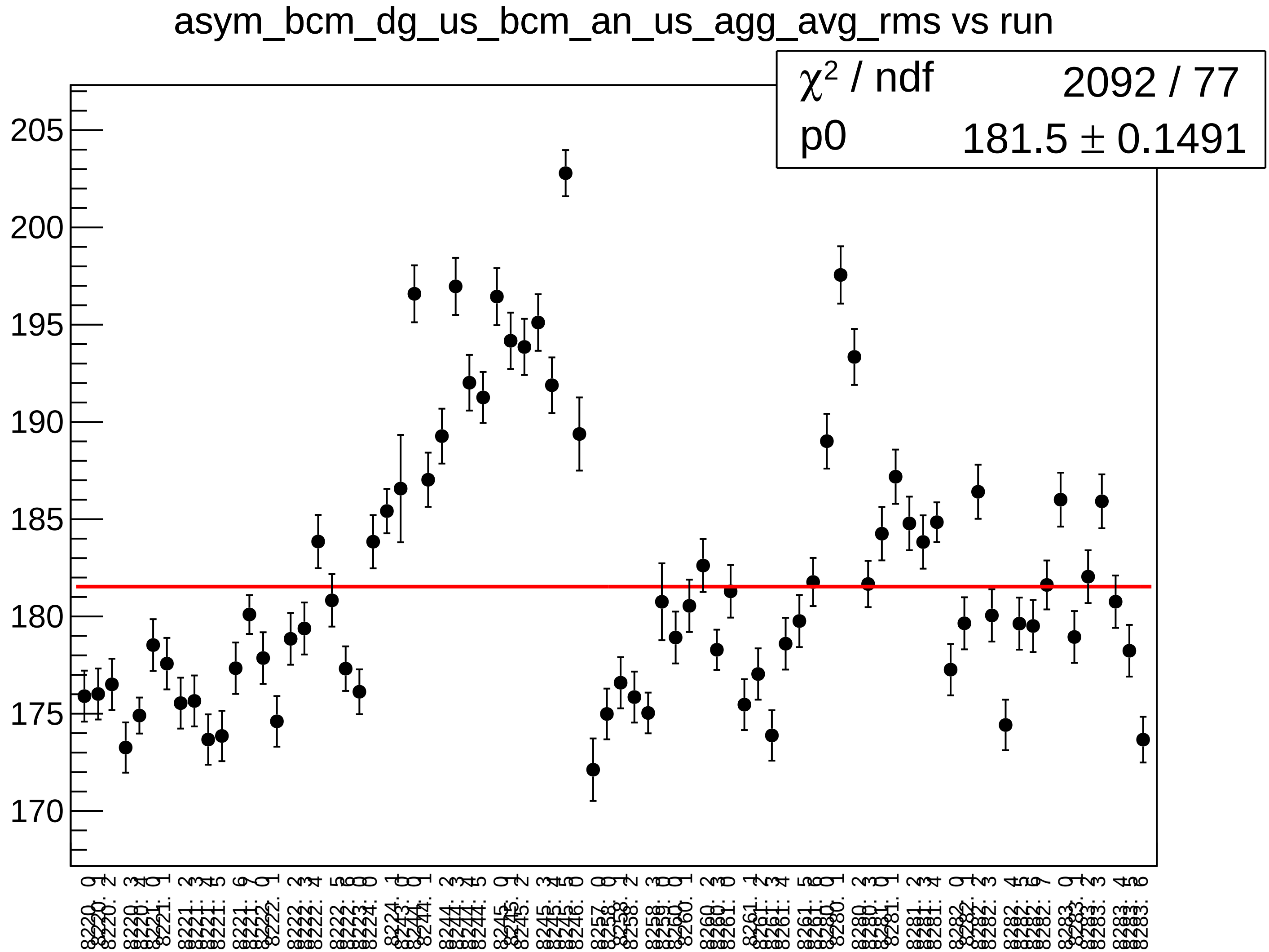
asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 81.42 / 77
p0 −20.44 ± 18.32
1000
500
0
−500
−1000
pull
Entries 78
Mean 2.064
Std Dev 40.18



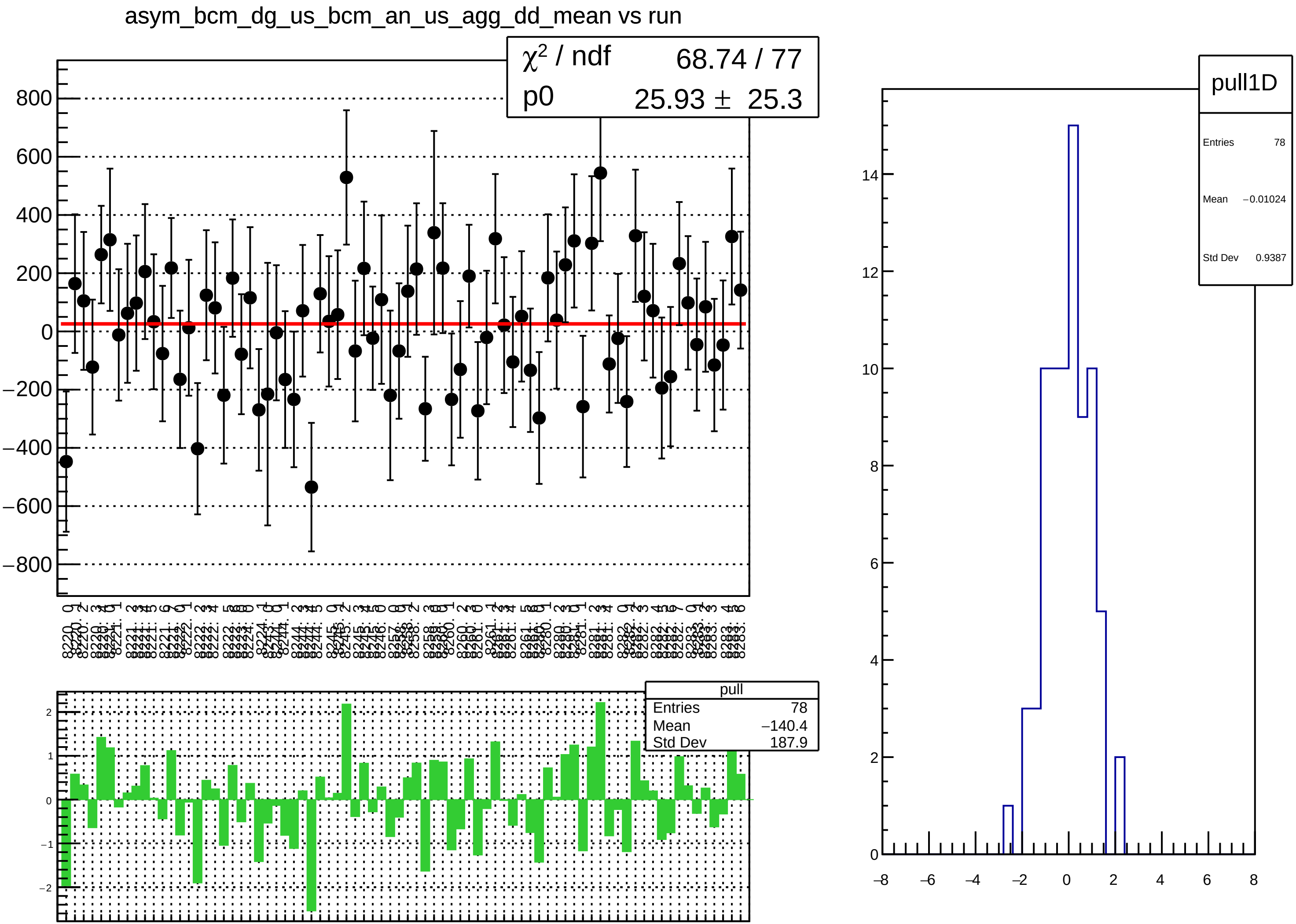
pull1D
Entries 78
Mean −0.01237
Std Dev 1.022


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 1402 / 77
p0 15.78 ± 0.01296
17
16.5
16
15.5
15
14.5

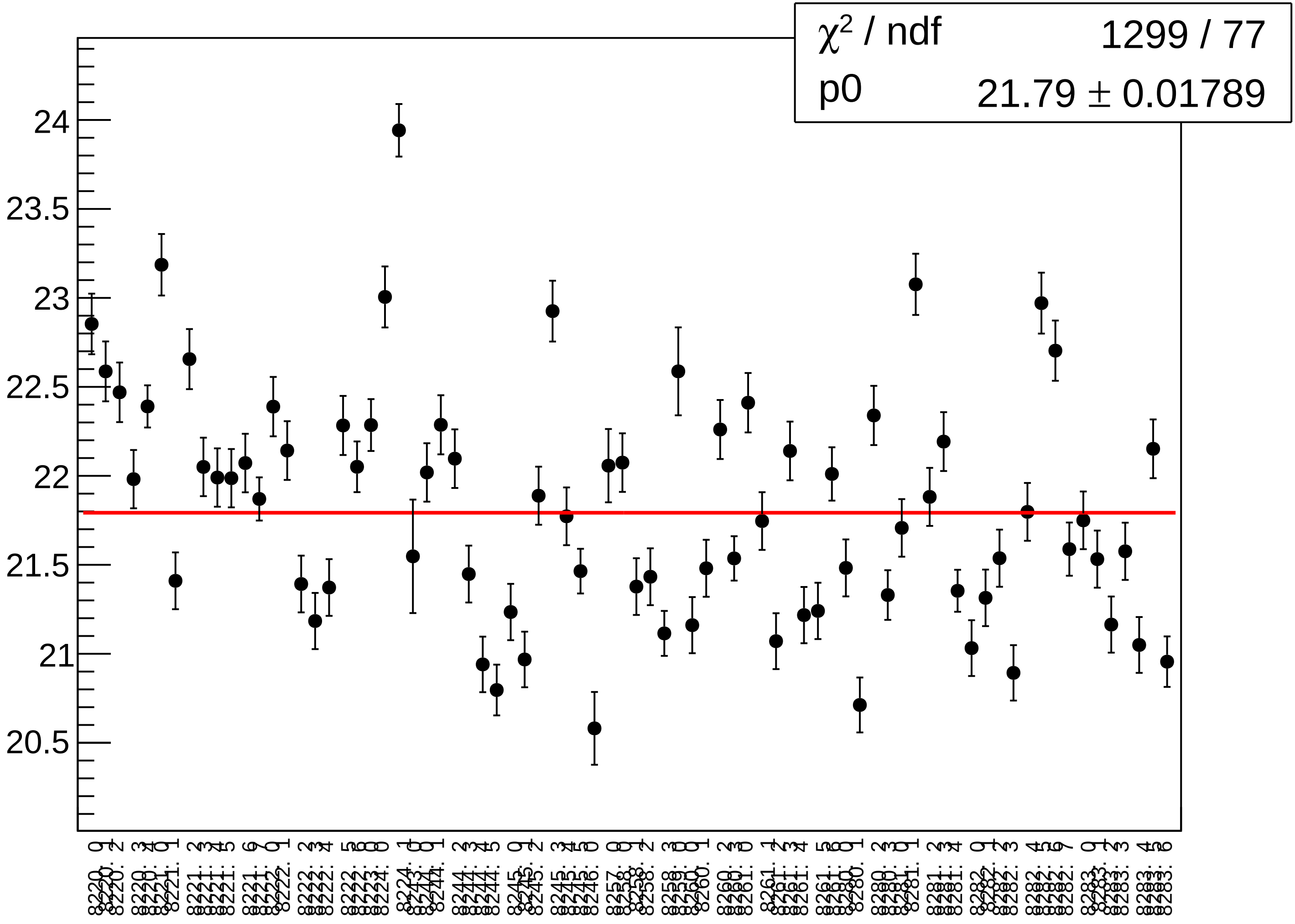

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 16.39 / 77
p0 350.6 ± 210.8
pull
Entries 78
Mean −520.5
Std Dev 568.7
pull1D
Entries 78
Mean −0.002065
Std Dev 0.4584

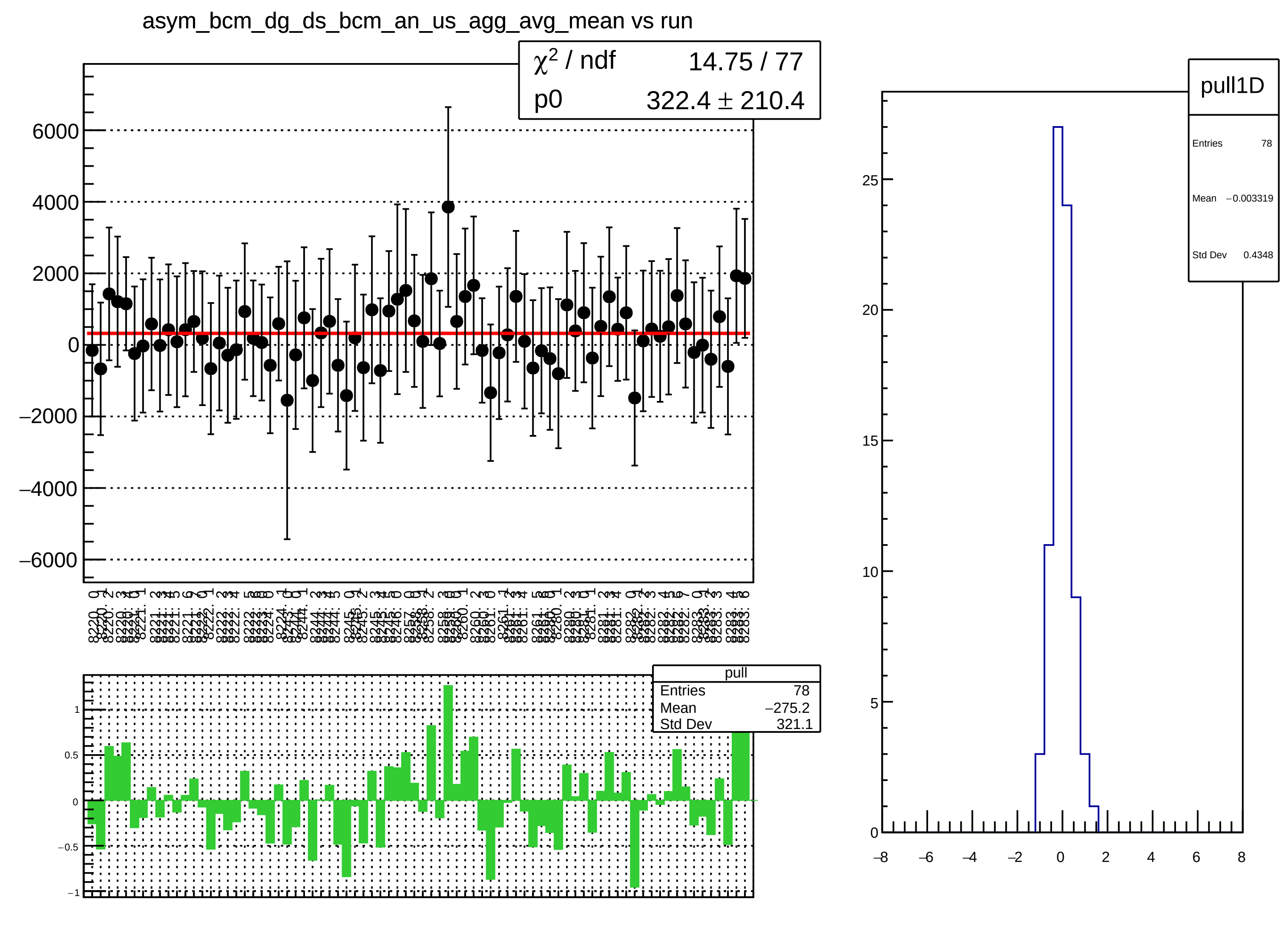


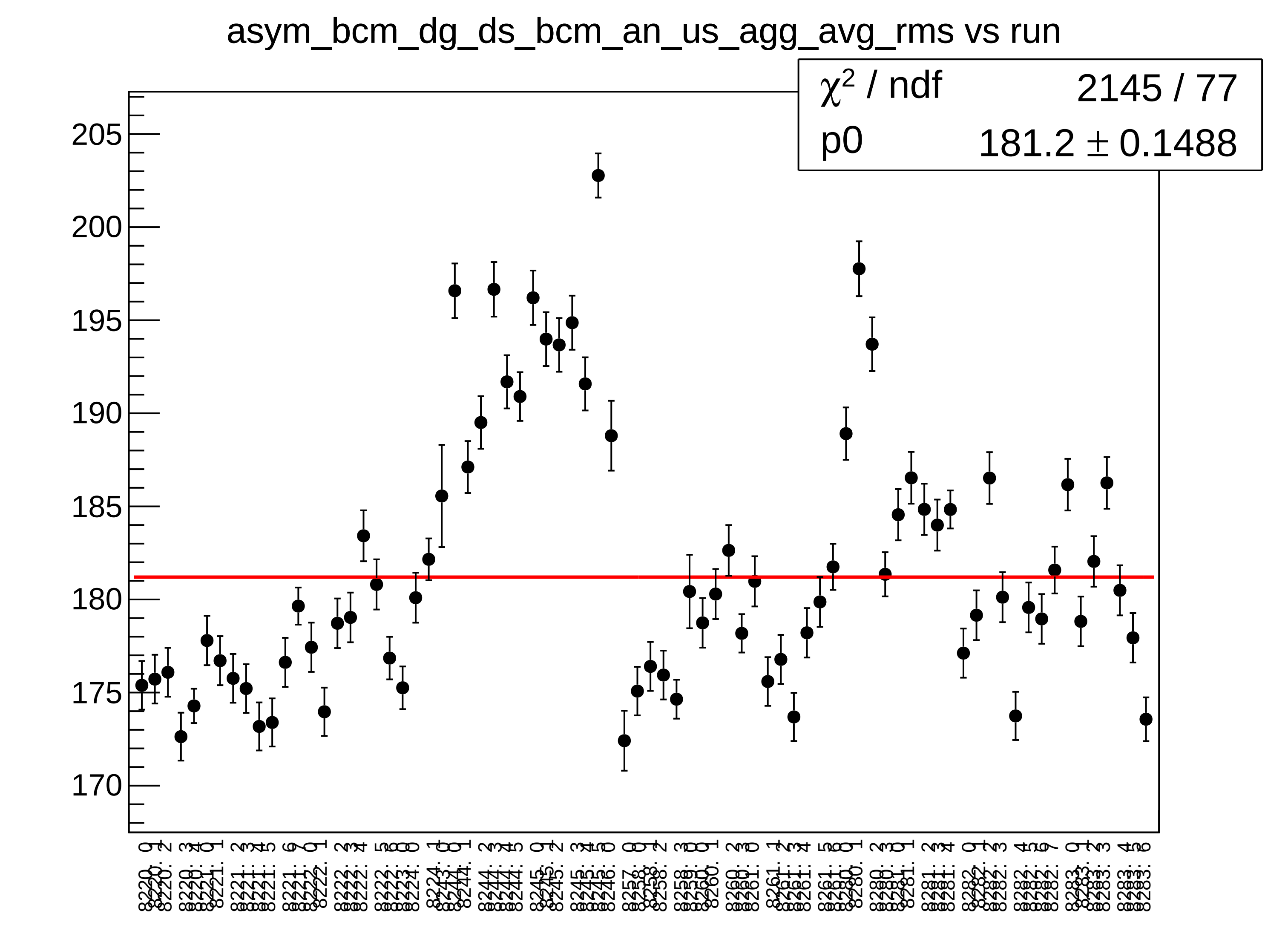
asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 2092 / 77
p0 181.5 ± 0.1491
205
200
195
190
185
180
175
170


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 68.74 / 77
p0 25.93 ± 25.3
pull
Entries 78
Mean −140.4
Std Dev 187.9
pull1D
Entries 78
Mean −0.01024
Std Dev 0.9387

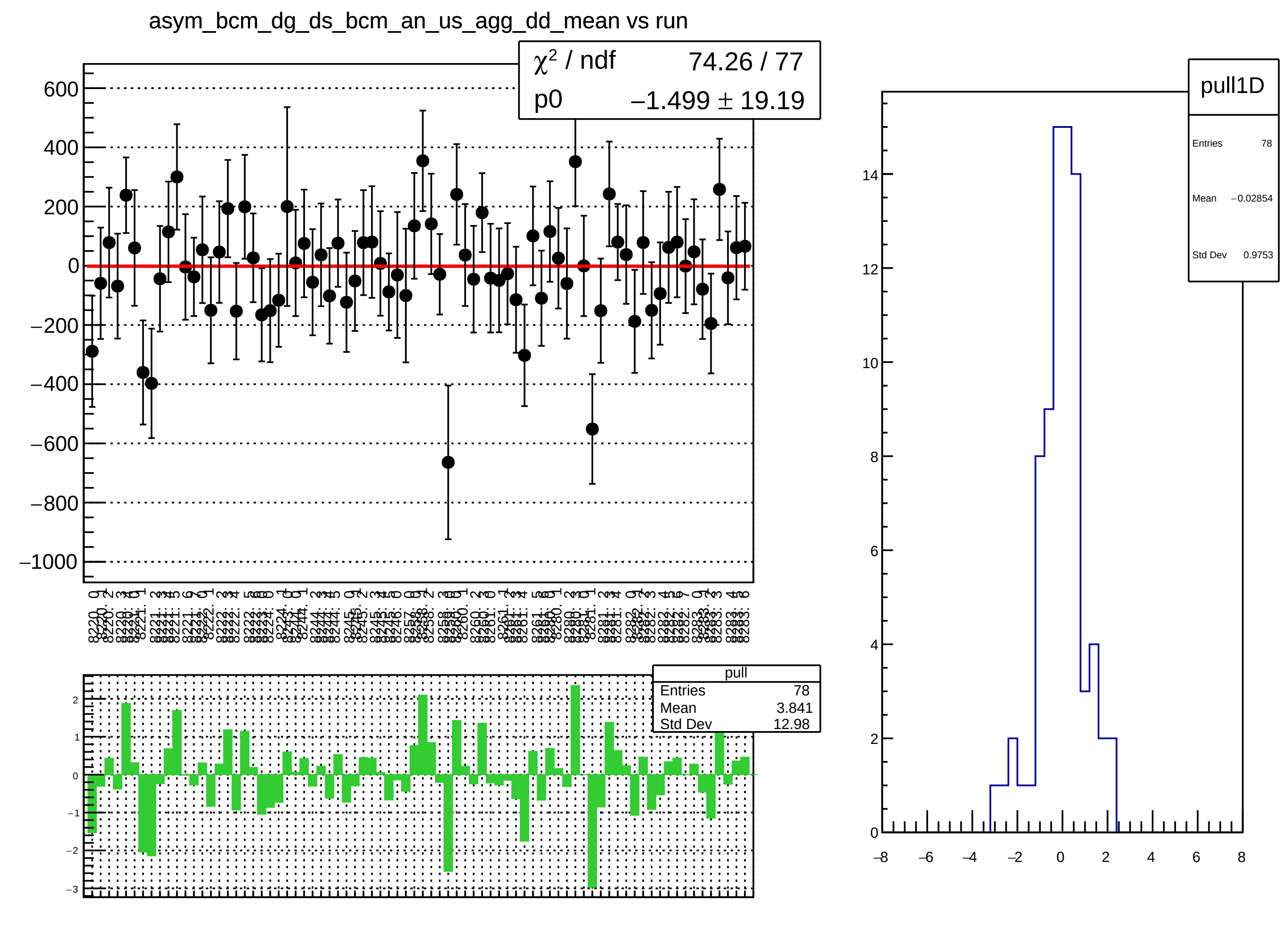
asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run



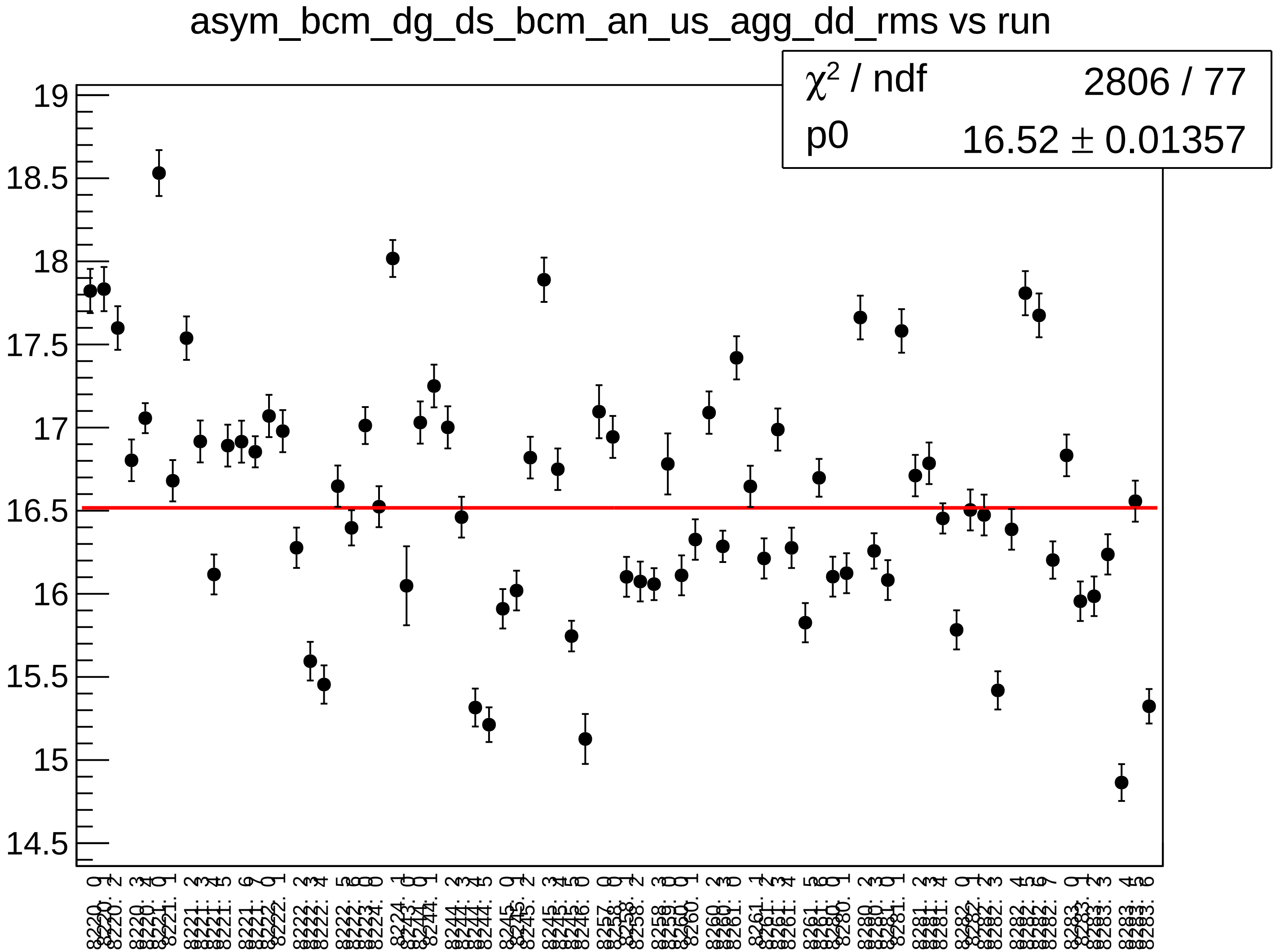

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 14.75 / 77
p0 322.4 ± 210.4
pull
Entries 78
Mean −275.2
Std Dev 321.1
pull1D
Entries 78
Mean −0.003319
Std Dev 0.4348



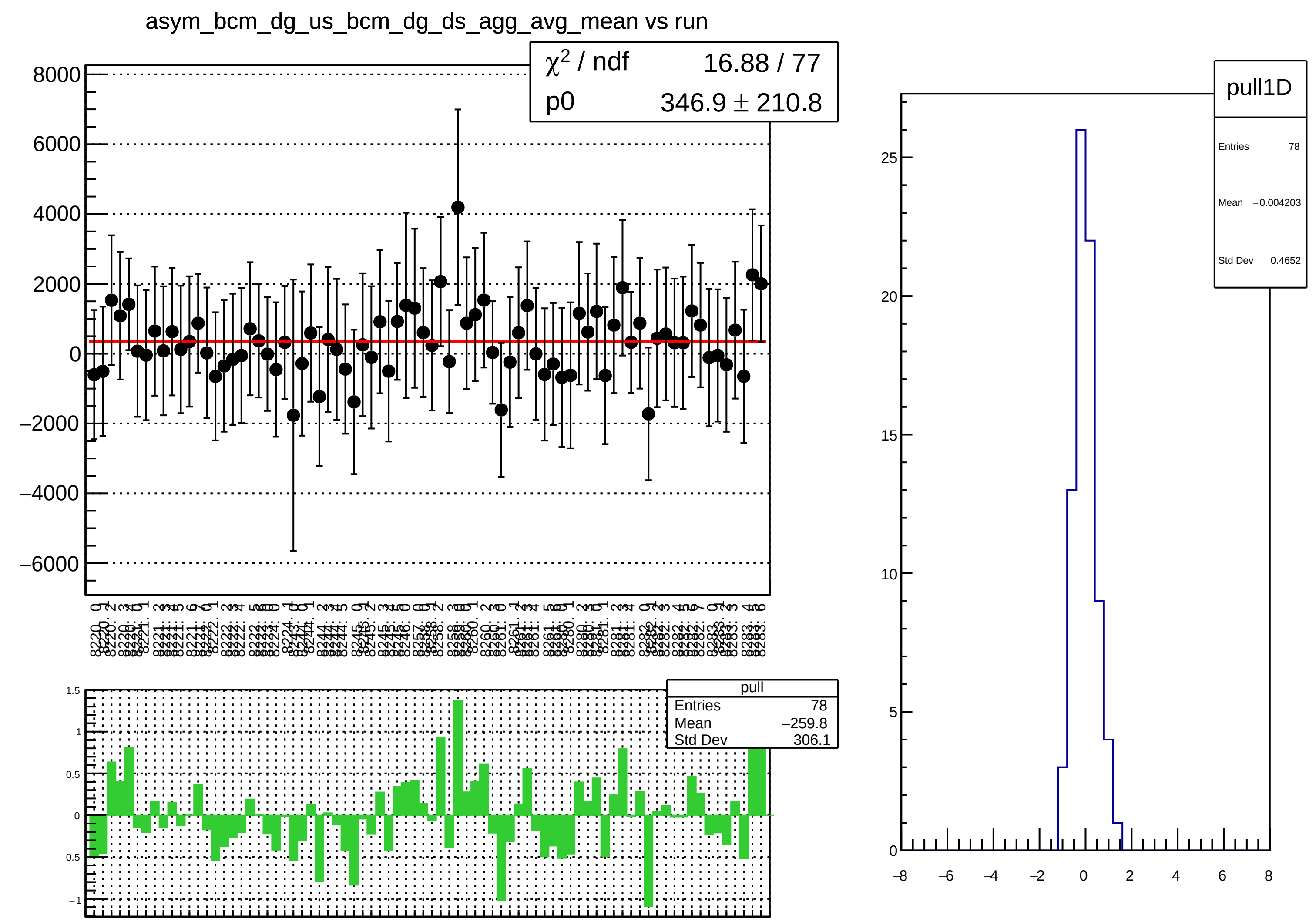
asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ2 / ndf 2145 / 77
p0 181.2 ± 0.1488
205
200
195
190
185
180
175
170



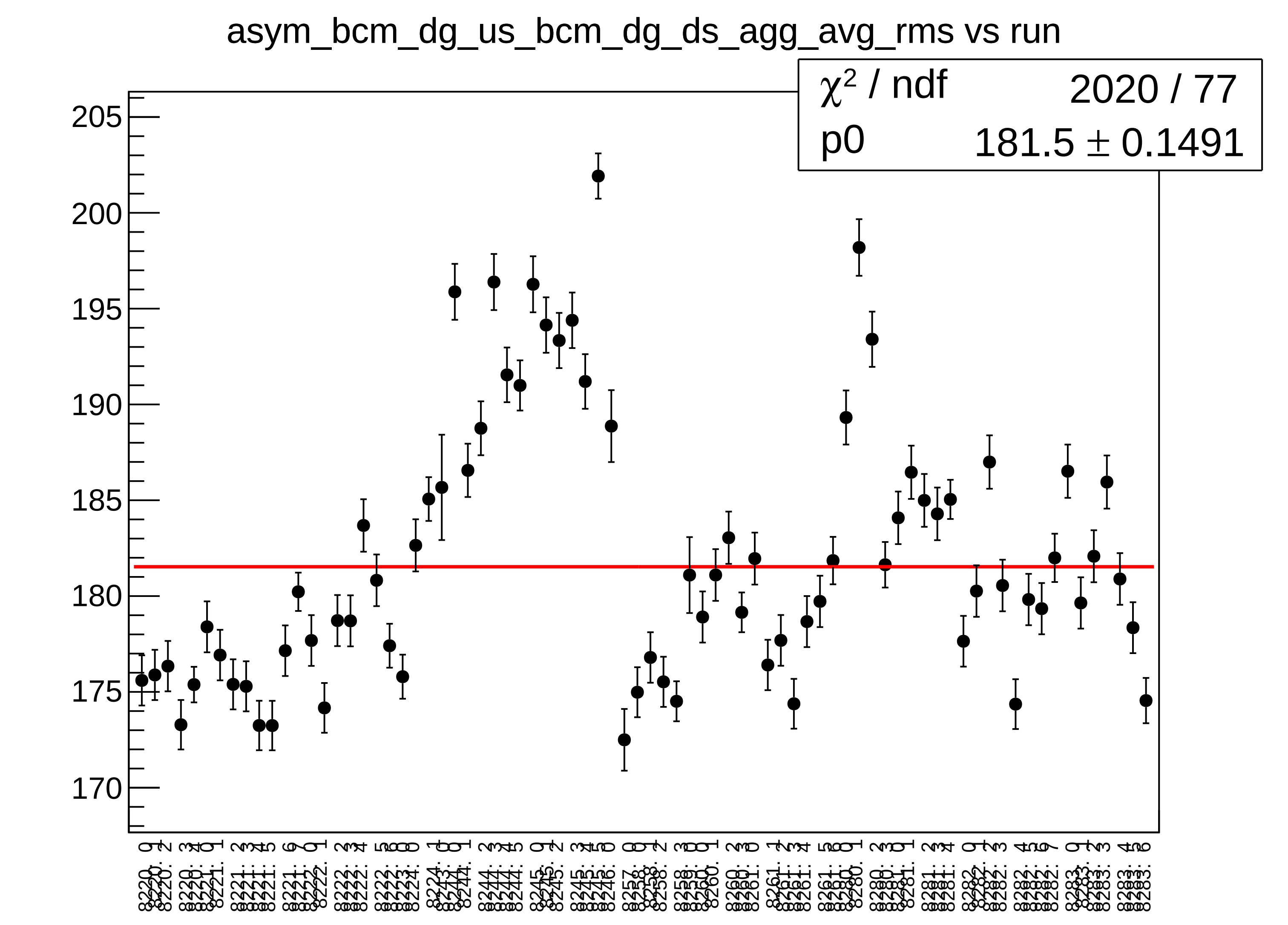
asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 74.26 / 77
p0 −1.499 ± 19.19
pull
Entries 78
Mean 3.841
Std Dev 12.98
pull1D
Entries 78
Mean −0.02854
Std Dev 0.9753



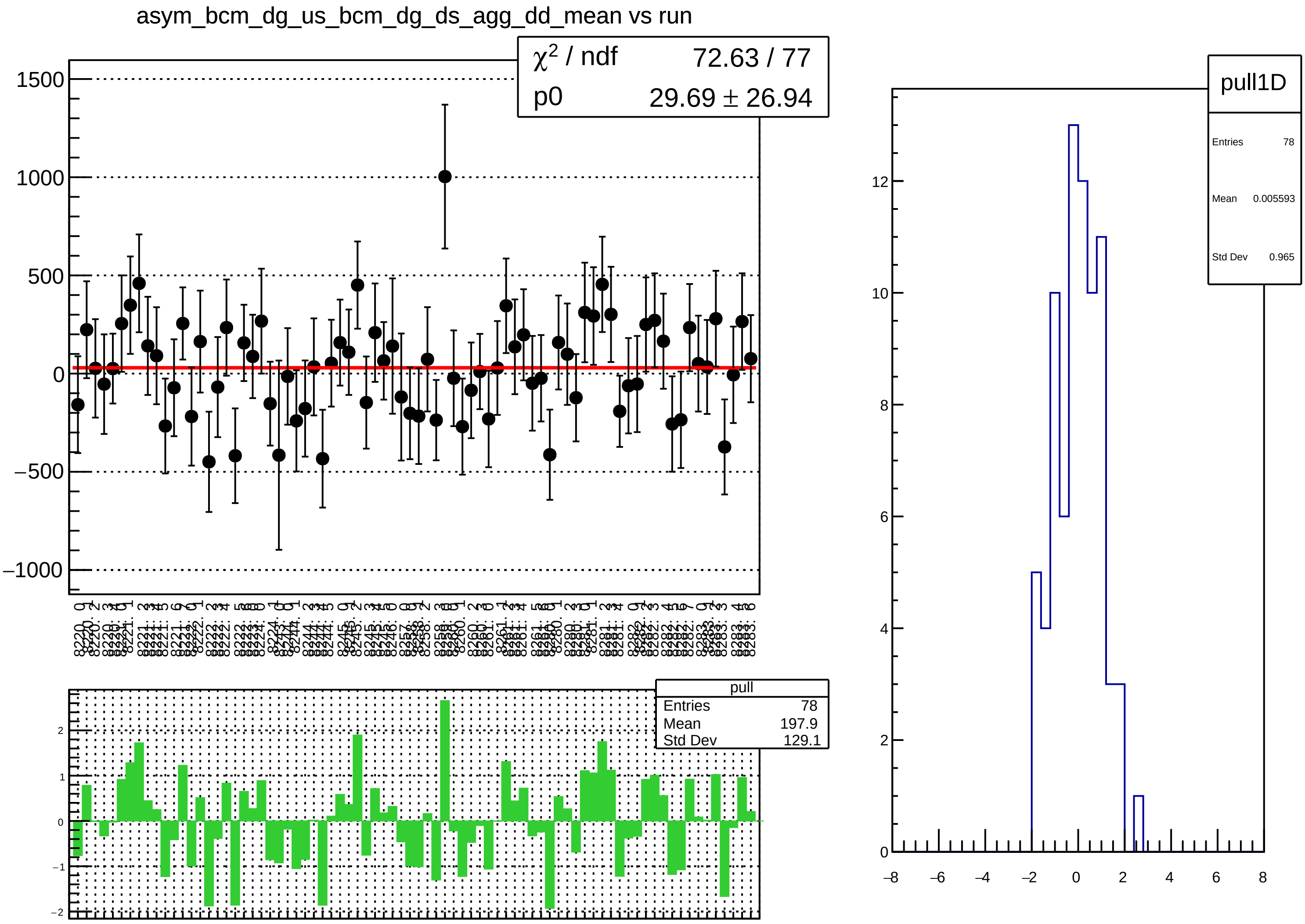
asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 2806 / 77
p0 16.52 ± 0.01357
19
18.5
18
17.5
17
16.5
16
15.5
15
14.5

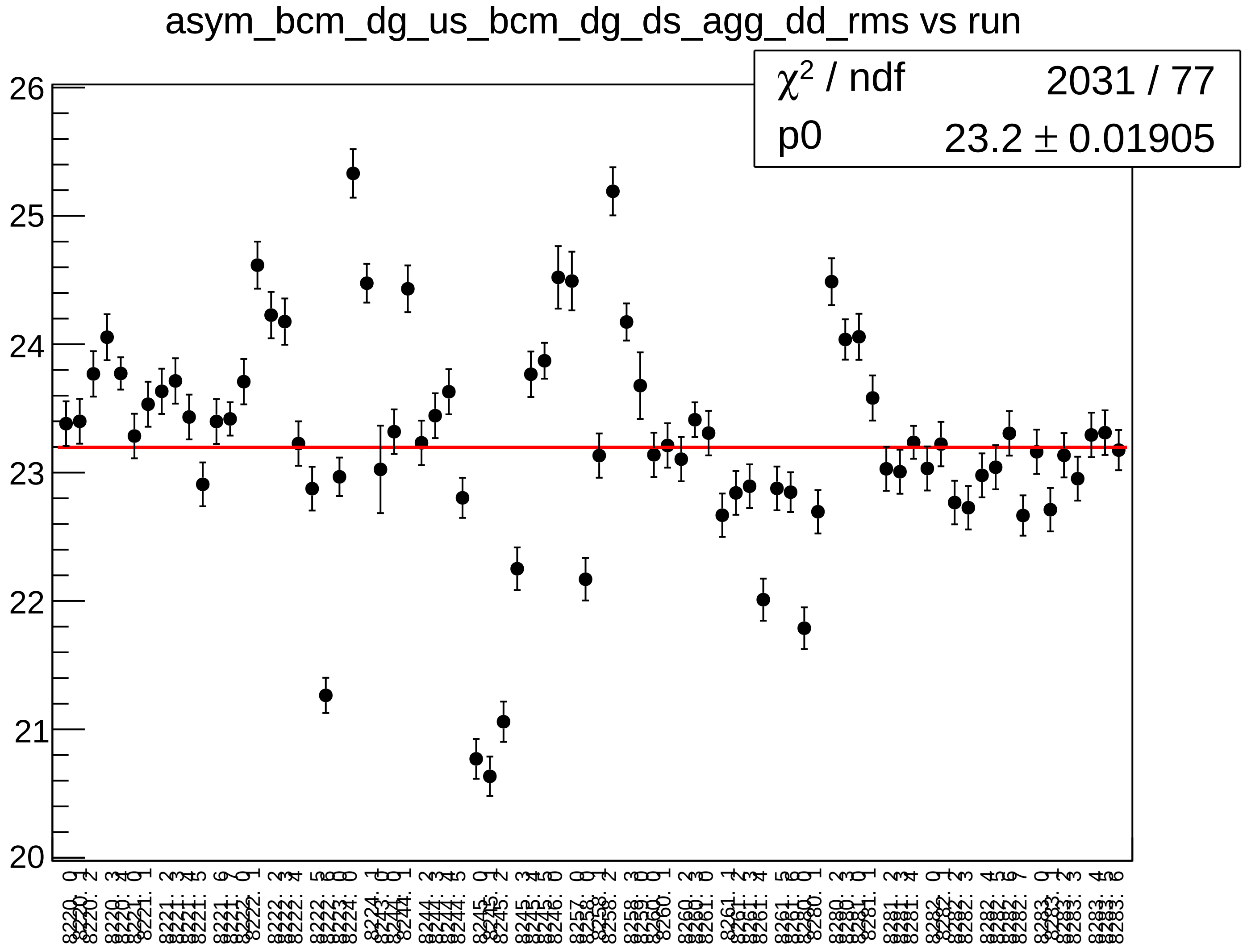


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 16.88 / 77
p0 346.9 ± 210.8
pull
Entries 78
Mean −259.8
Std Dev 306.1
pull1D
Entries 78
Mean −0.004203
Std Dev 0.4652

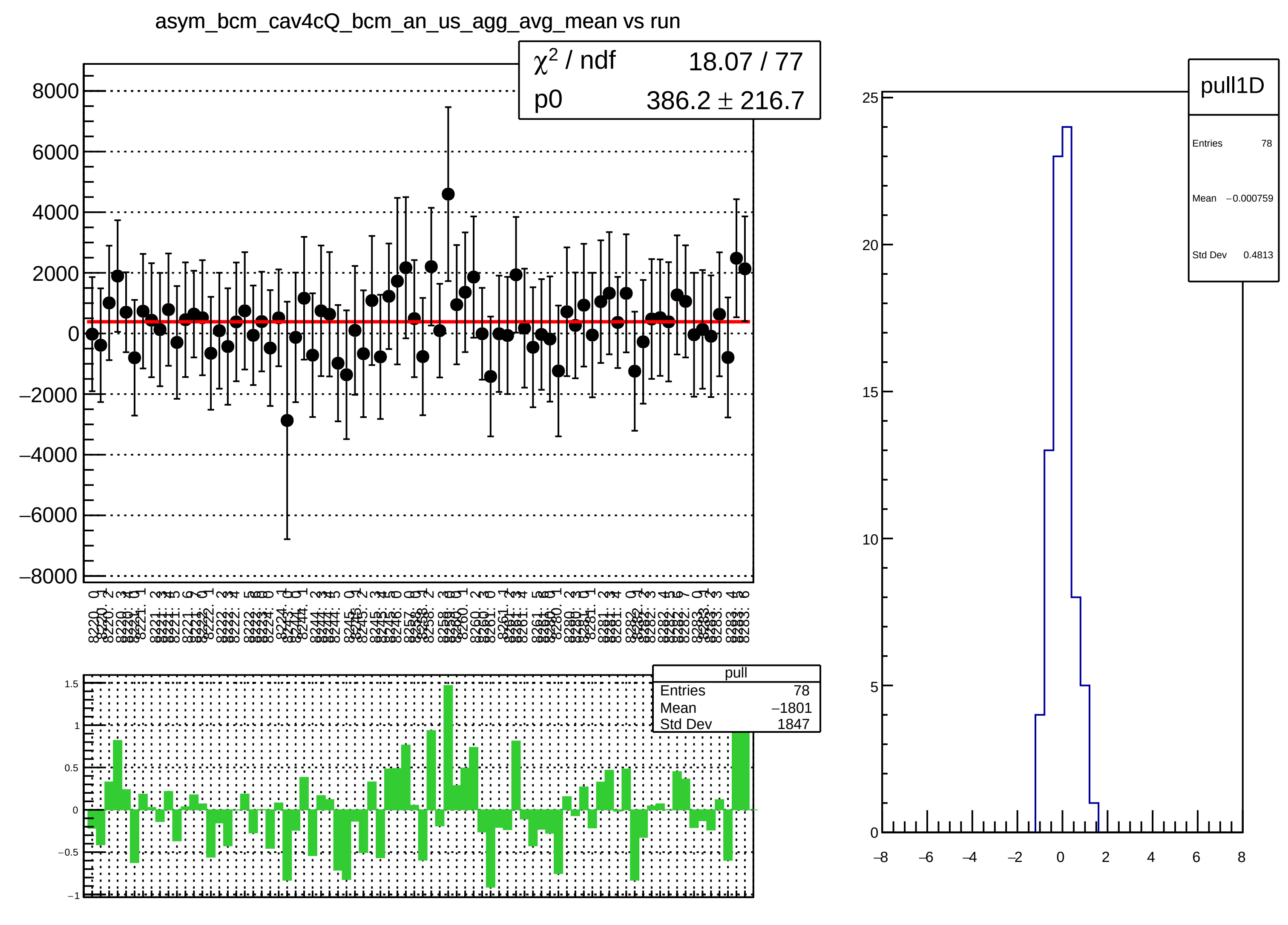


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ2 / ndf 2020 / 77
p0 181.5 ± 0.1491
205
200
195
190
185
180
175
170

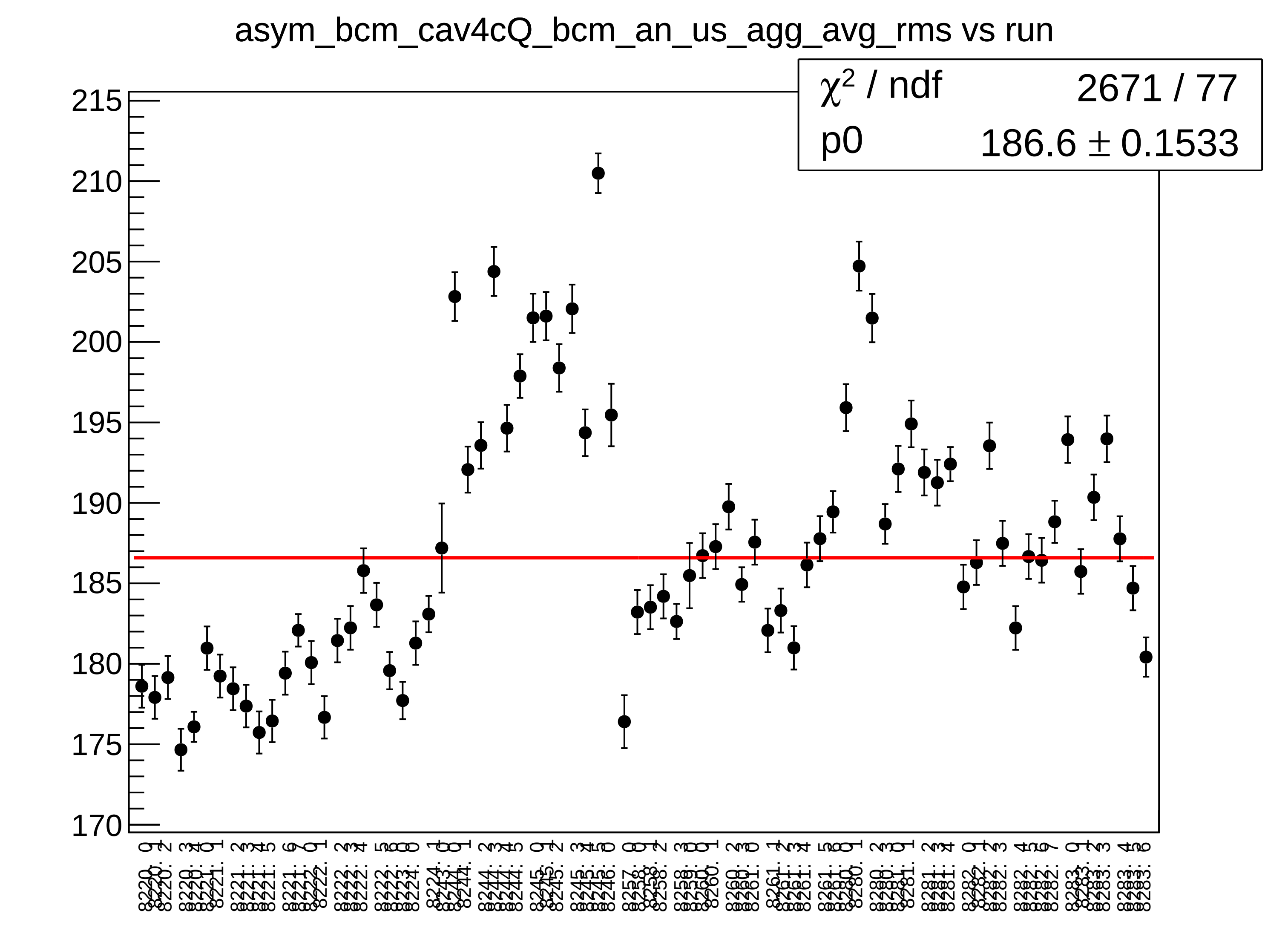

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 72.63 / 77
p0 29.69 ± 26.94
pull
Entries 78
Mean 197.9
Std Dev 129.1
pull1D
Entries 78
Mean 0.005593
Std Dev 0.965

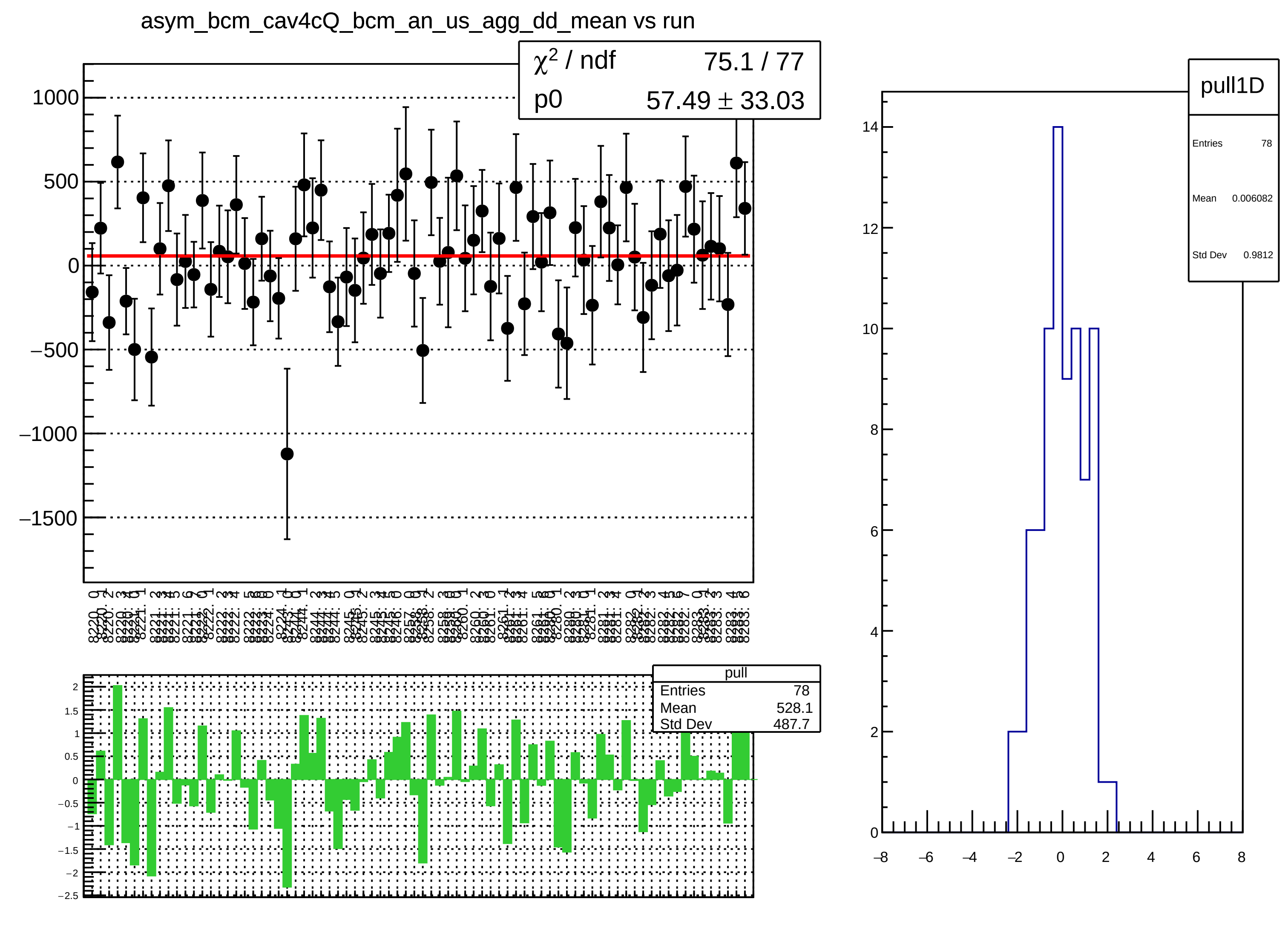


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ2 / ndf 2031 / 77
p0 23.2 ± 0.01905
26
25
24
23
22
21
20

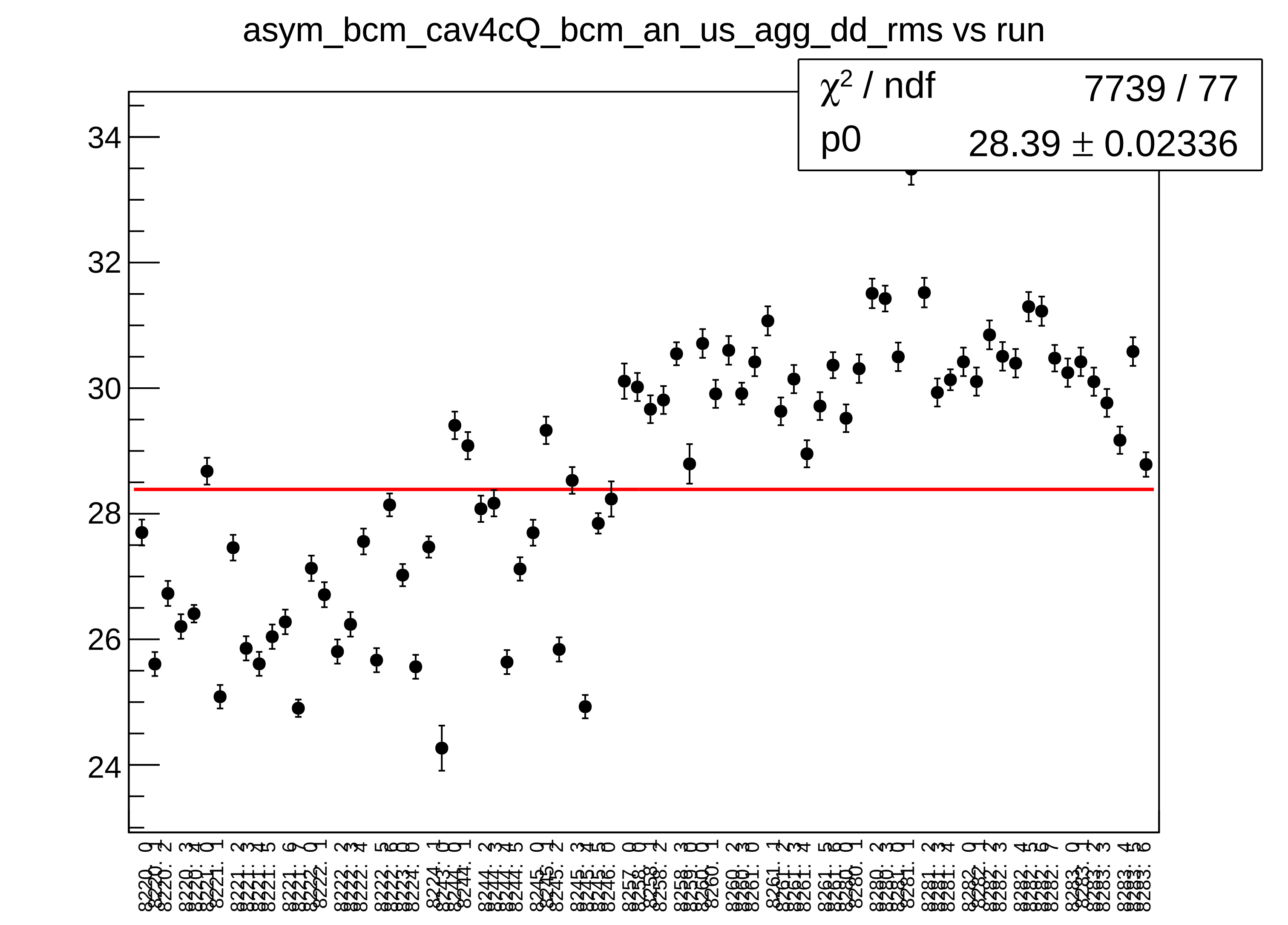


asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 18.07 / 77
p0 386.2 ± 216.7
pull
Entries 78
Mean −1801
Std Dev 1847
pull1D
Entries 78
Mean −0.000759
Std Dev 0.4813

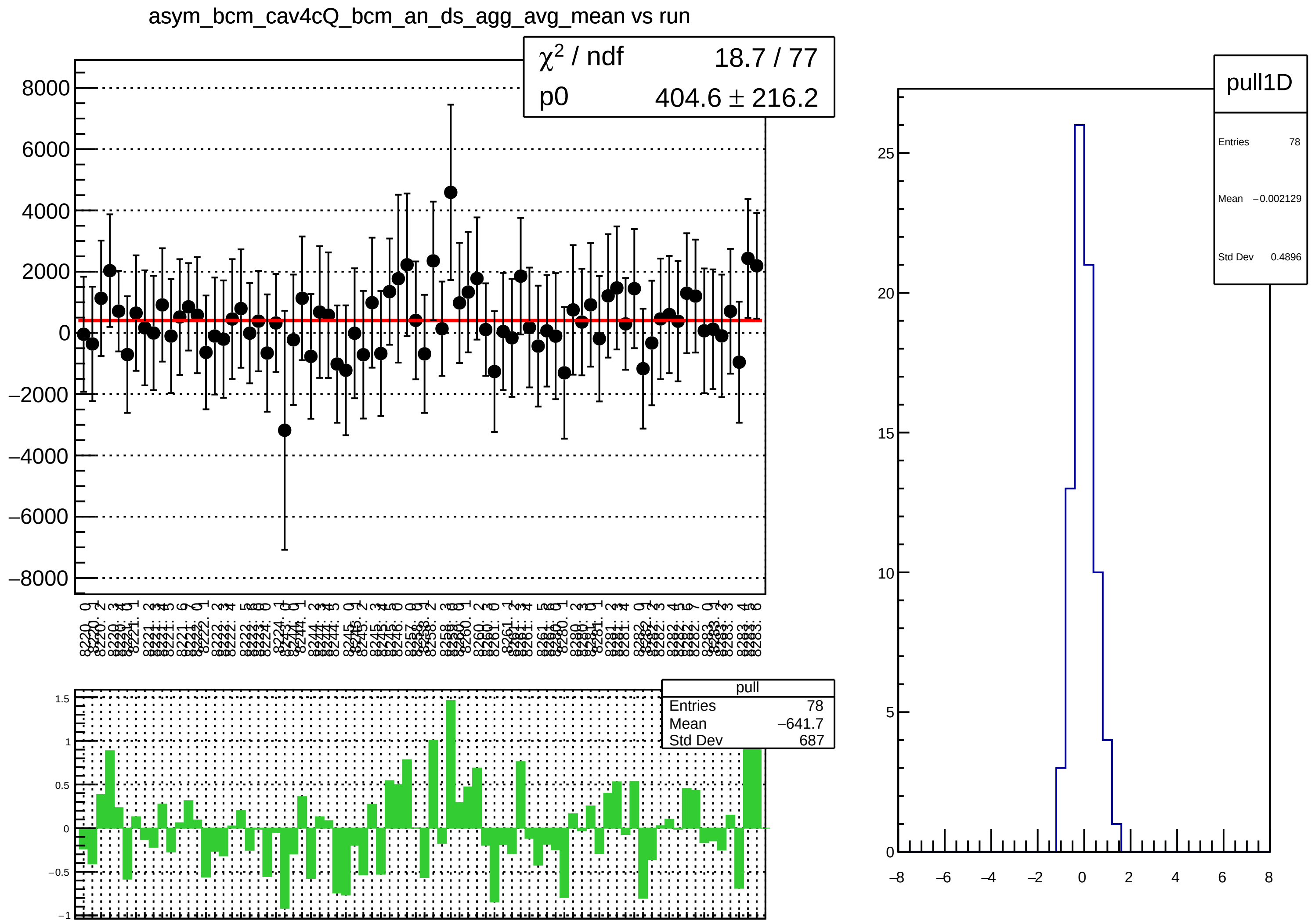

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 2671 / 77
p0 186.6 ± 0.1533
215
210
205
200
195
190
185
180
175
170

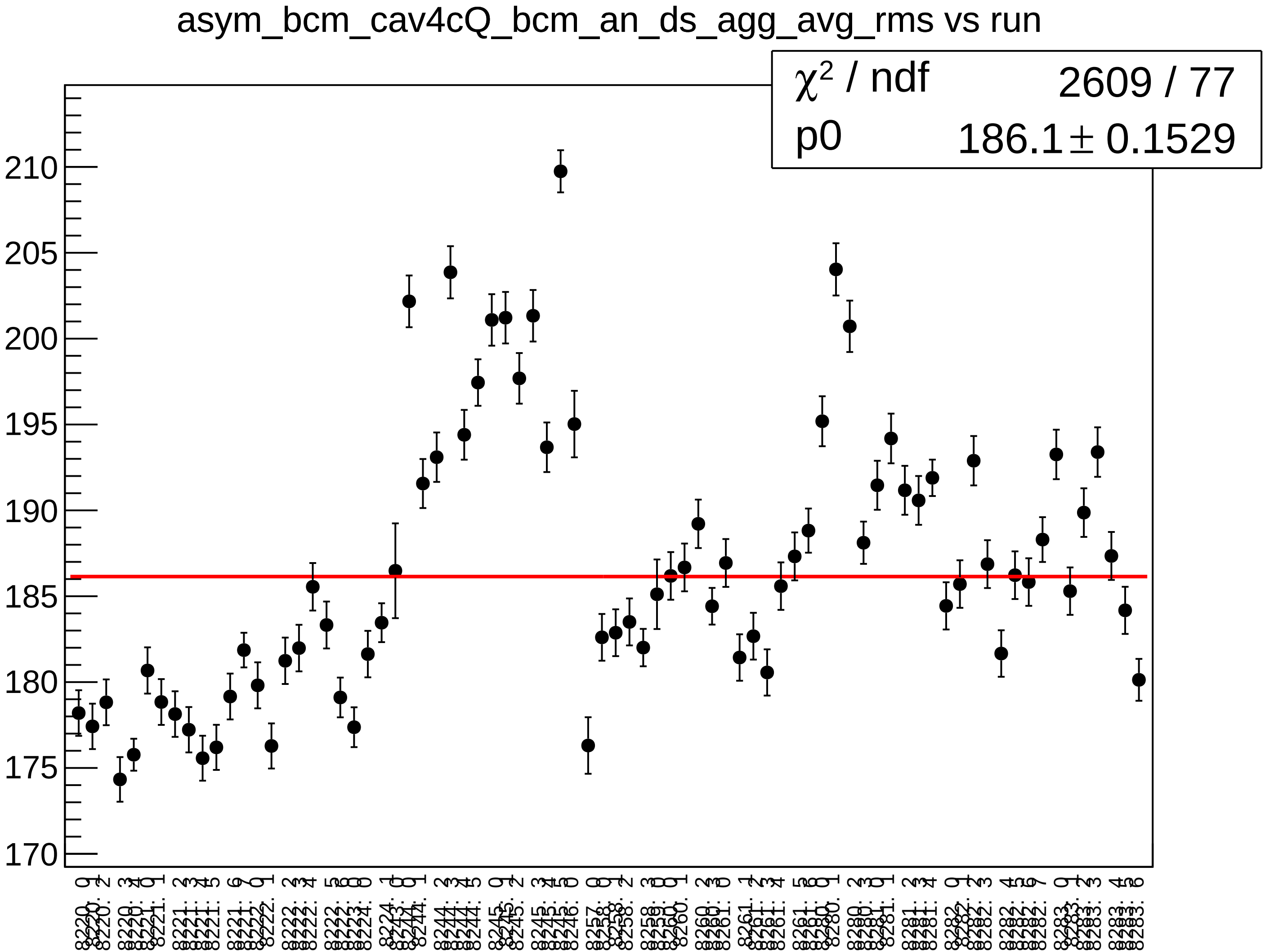


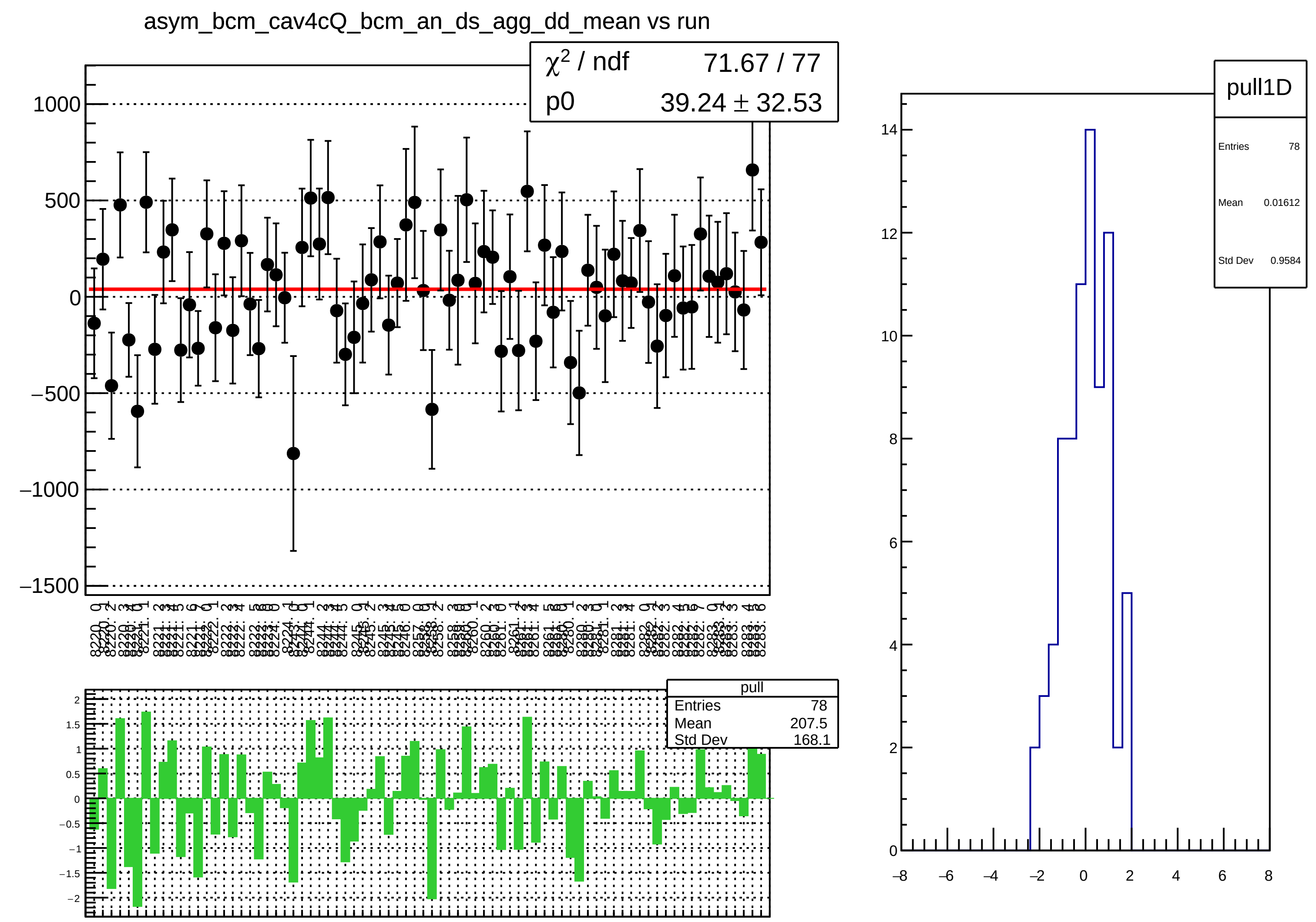
asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 75.1 / 77
p0 57.49 ± 33.03
pull
Entries 78
Mean 528.1
Std Dev 487.7
pull1D
Entries 78
Mean 0.006082
Std Dev 0.9812

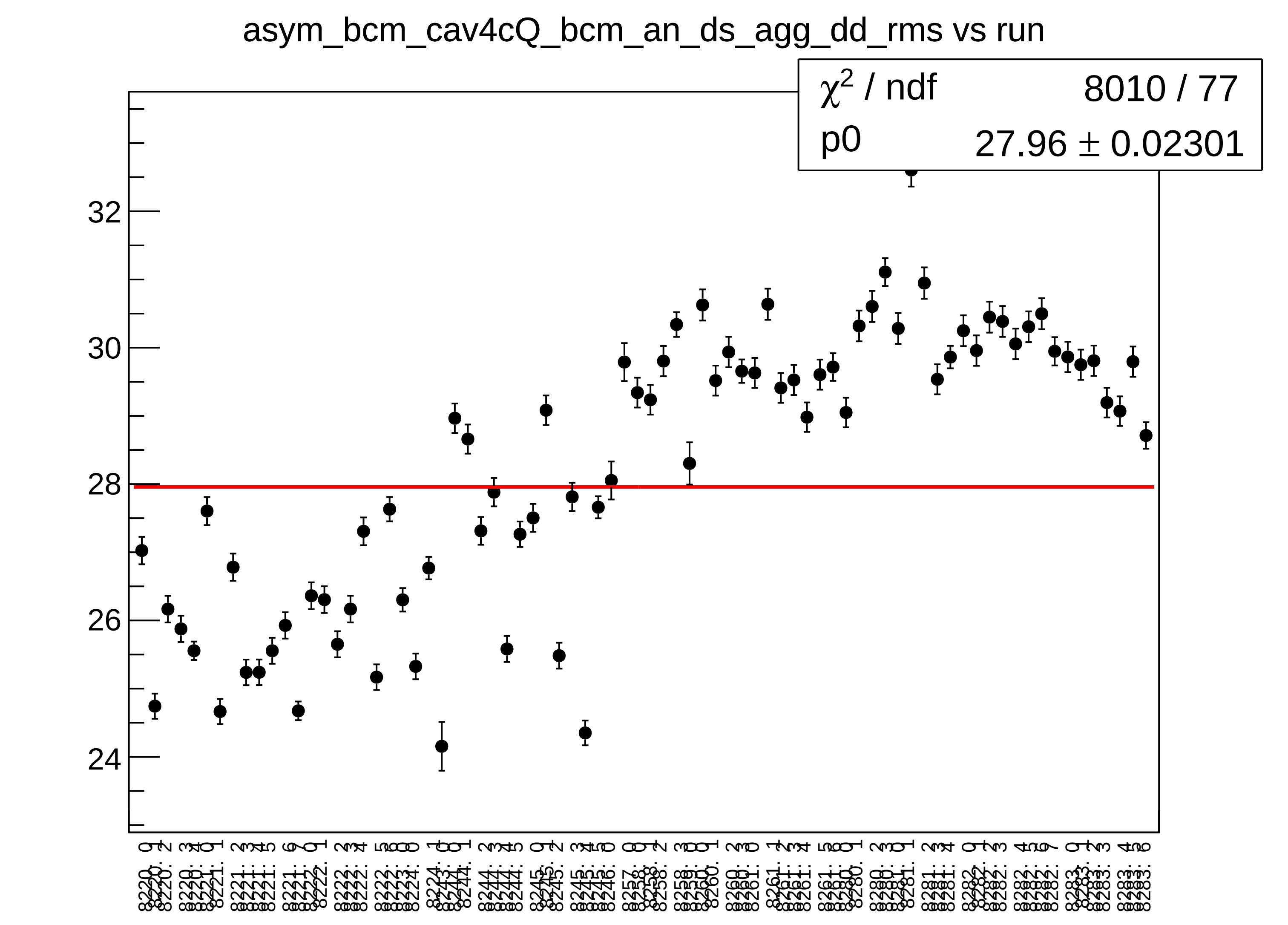


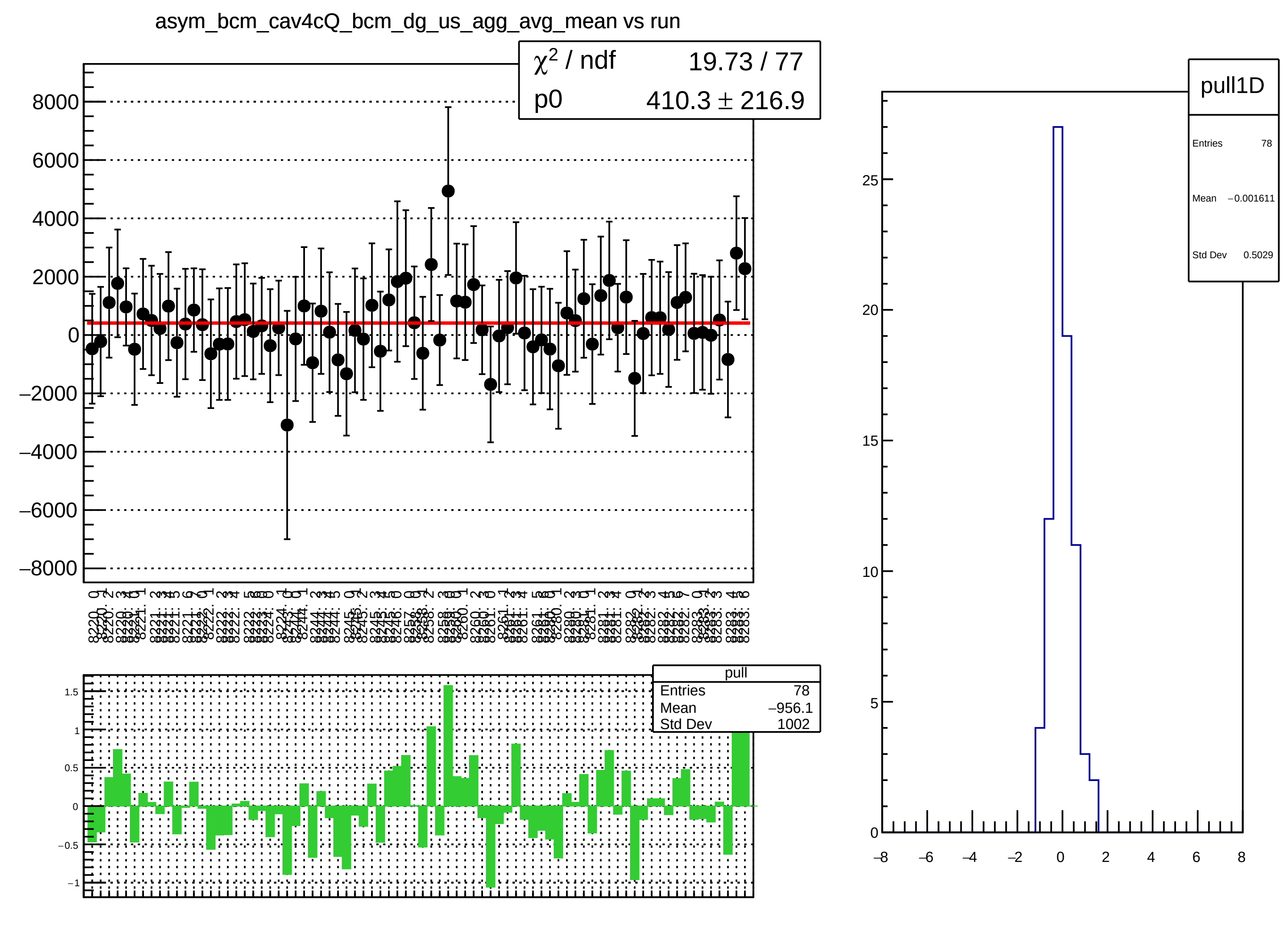
asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 7739 / 77
p0 28.39 ± 0.02336
34
32
30
28
26
24

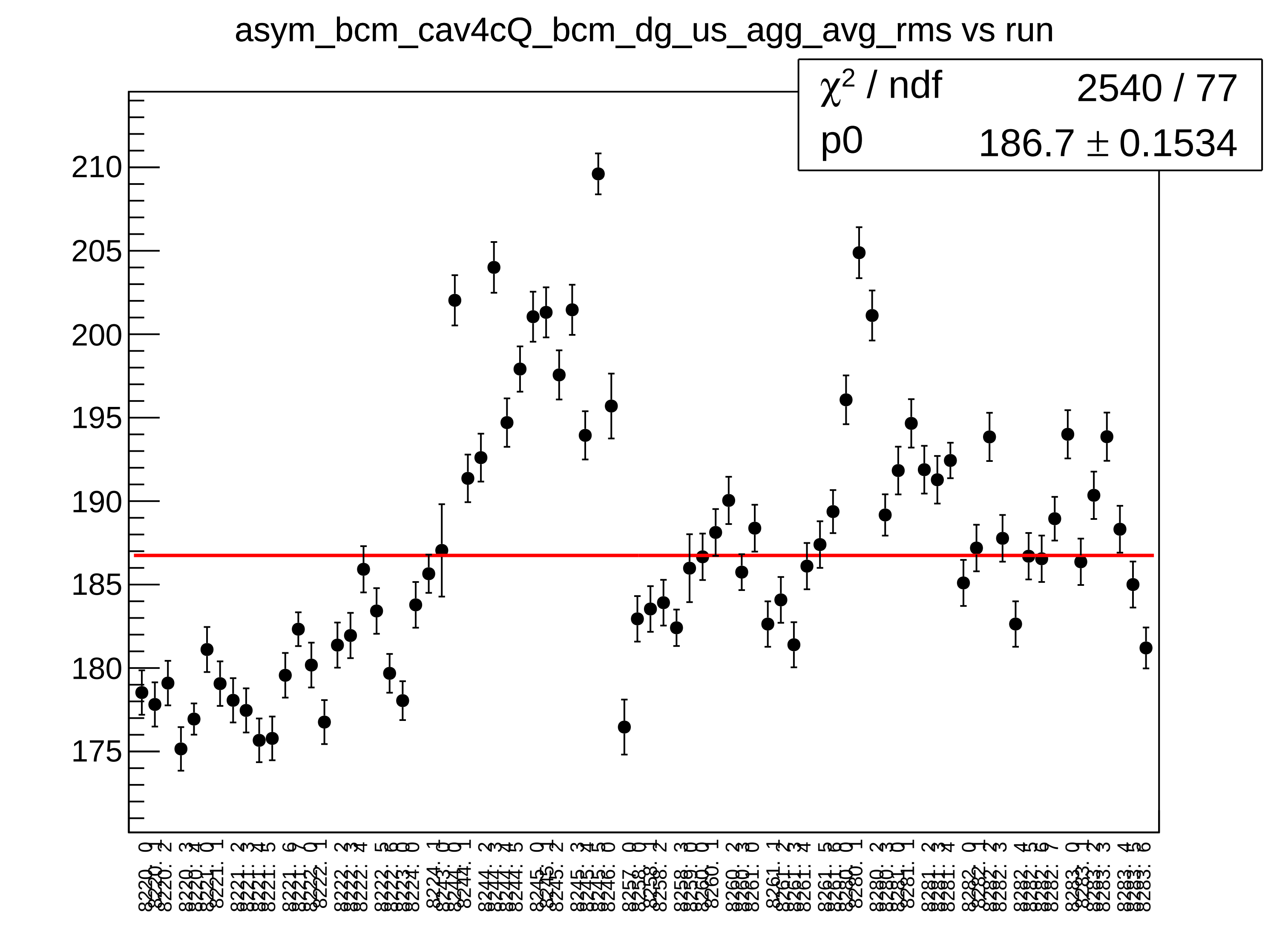

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 18.7 / 77
p0 404.6 ± 216.2
pull
Entries 78
Mean −641.7
Std Dev 687
pull1D
Entries 78
Mean −0.002129
Std Dev 0.4896


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 2609 / 77
p0 186.1 ± 0.1529
210
205
200
195
190
185
180
175
170

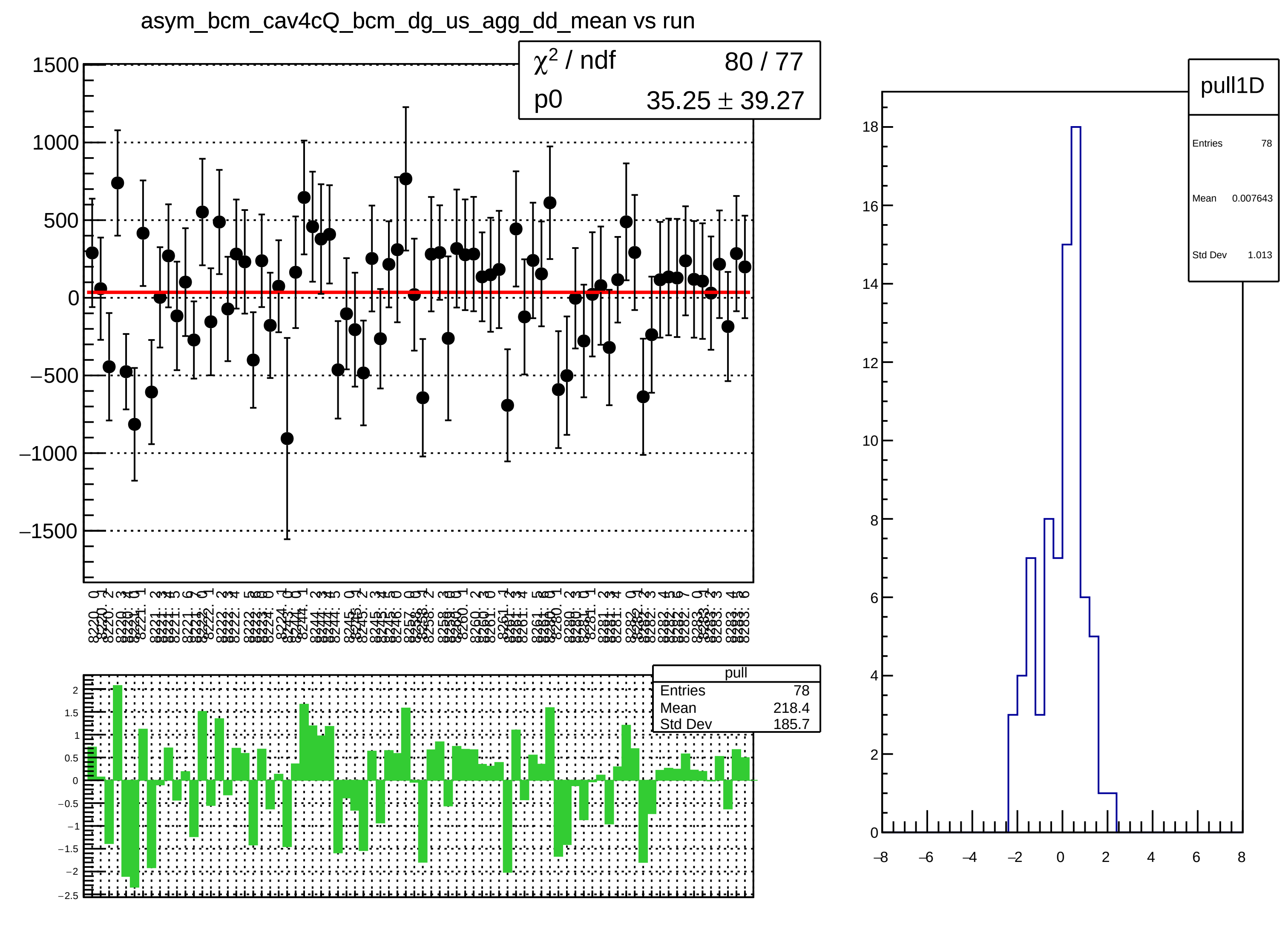

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 71.67 / 77
p0 39.24 ± 32.53
pull
Entries 78
Mean 207.5
Std Dev 168.1
pull1D
Entries 78
Mean 0.01612
Std Dev 0.9584


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ2 / ndf 8010 / 77
p0 27.96 ± 0.02301
32
30
28
26
24

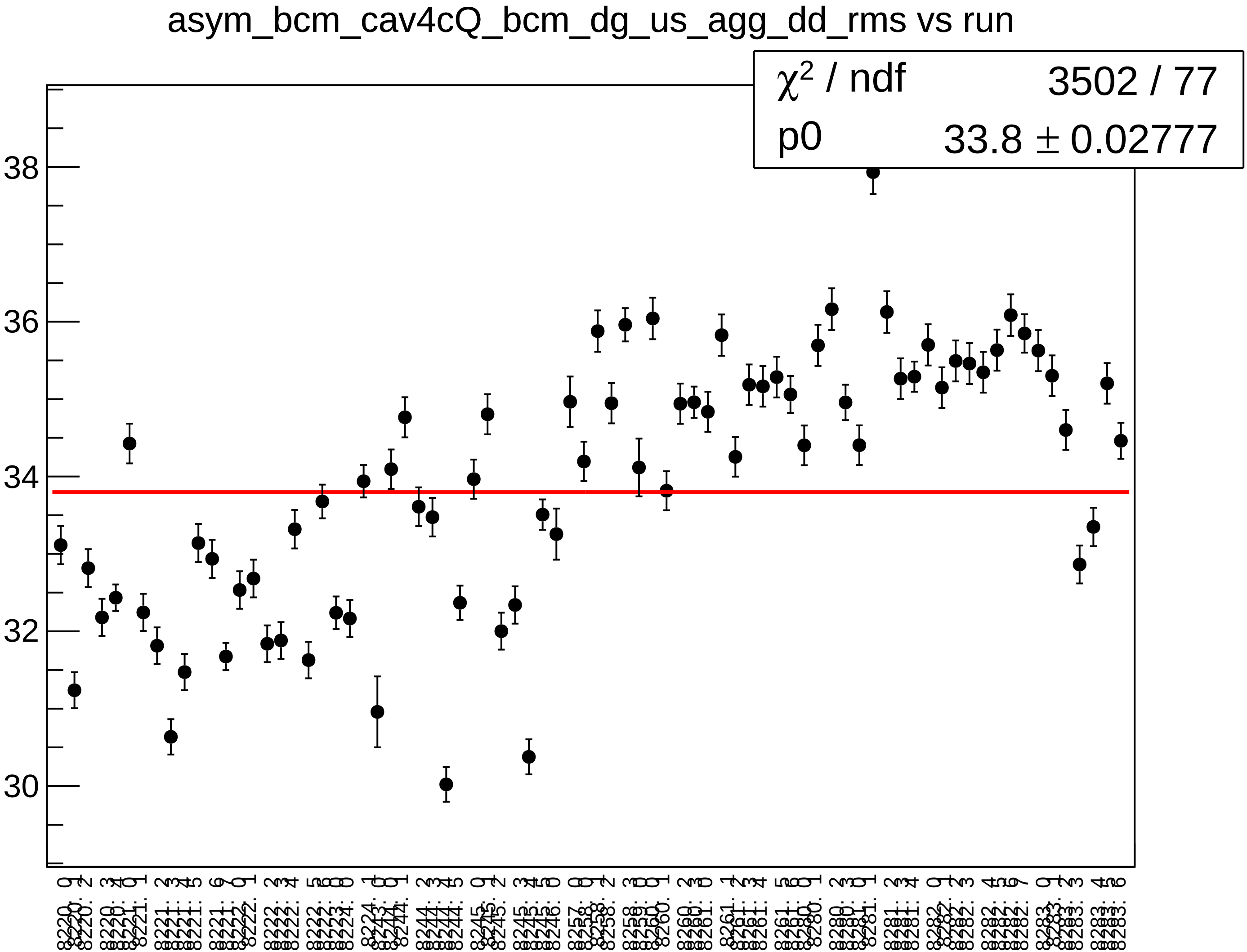

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ^2 / ndf 19.73 / 77
p0 410.3 ± 216.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 78
Mean −956.1
Std Dev 1002
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 78
Mean −0.001611
Std Dev 0.5029
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

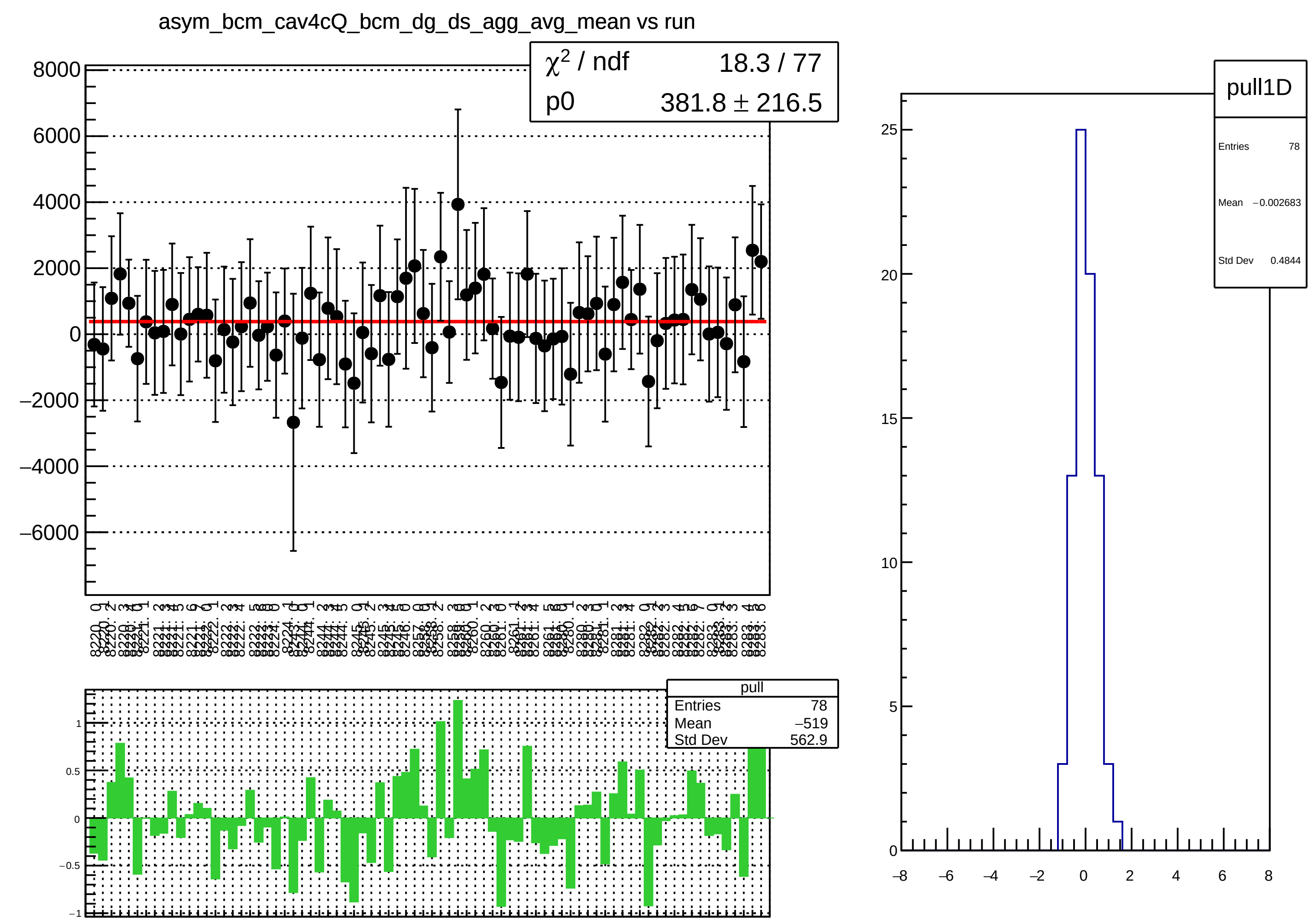


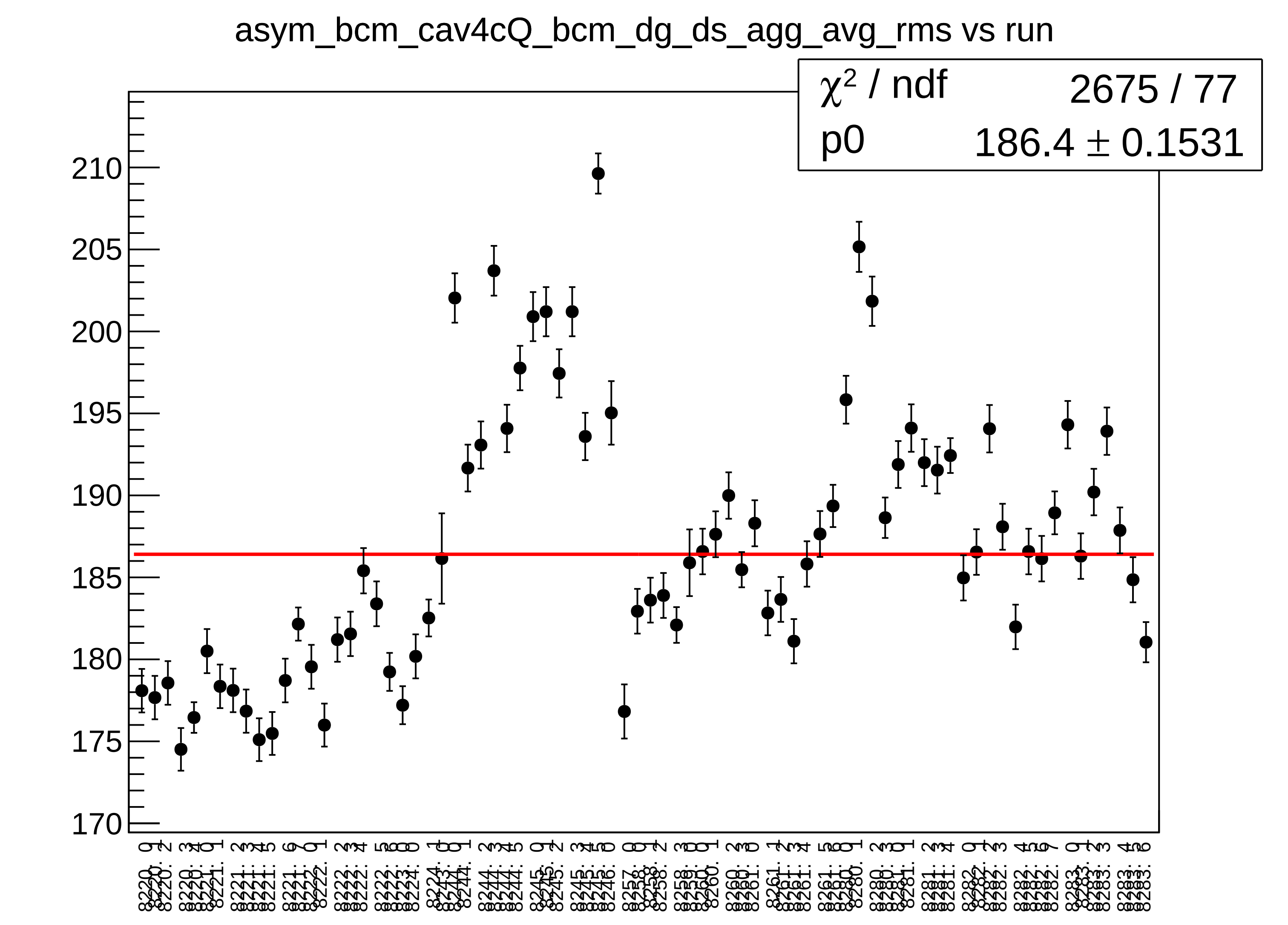
asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ^2 / ndf 2540 / 77
p0 186.7 ± 0.1534
210
205
200
195
190
185
180
175

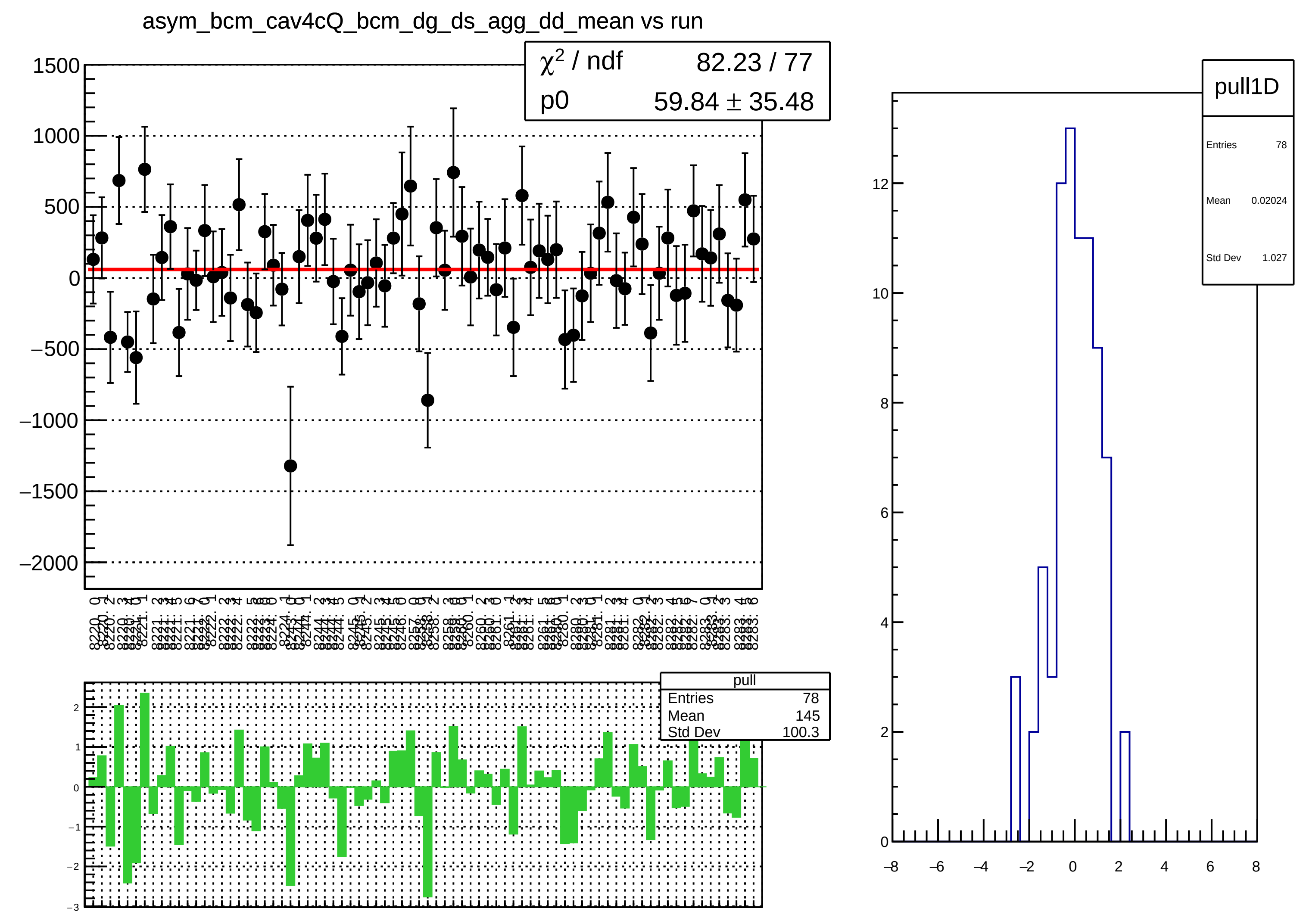


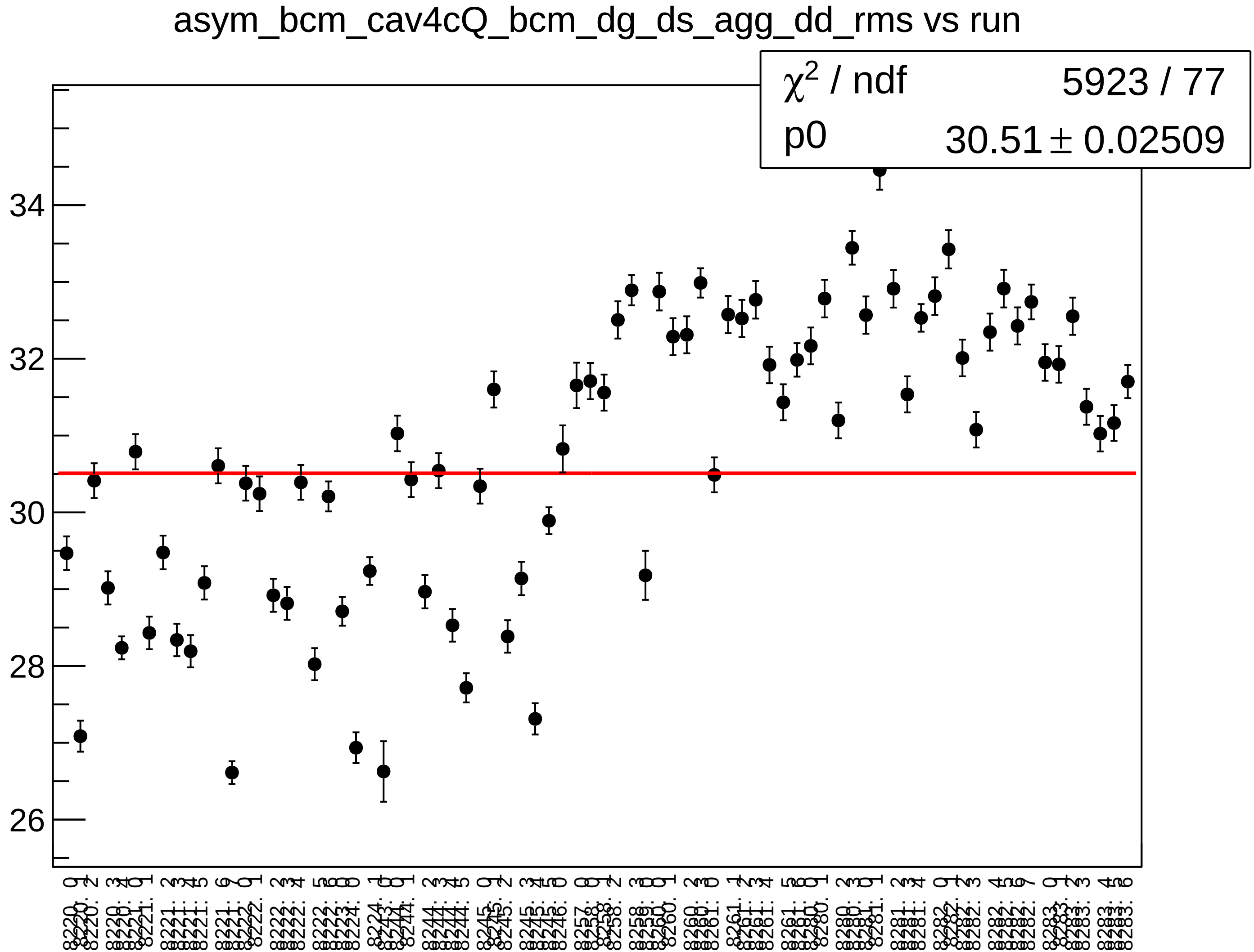
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ^2 / ndf 80 / 77
p0 35.25 ± 39.27
pull
Entries 78
Mean 218.4
Std Dev 185.7
pull1D
Entries 78
Mean 0.007643
Std Dev 1.013


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ2 / ndf 3502 / 77
p0 33.8 ± 0.02777
38
36
34
32
30

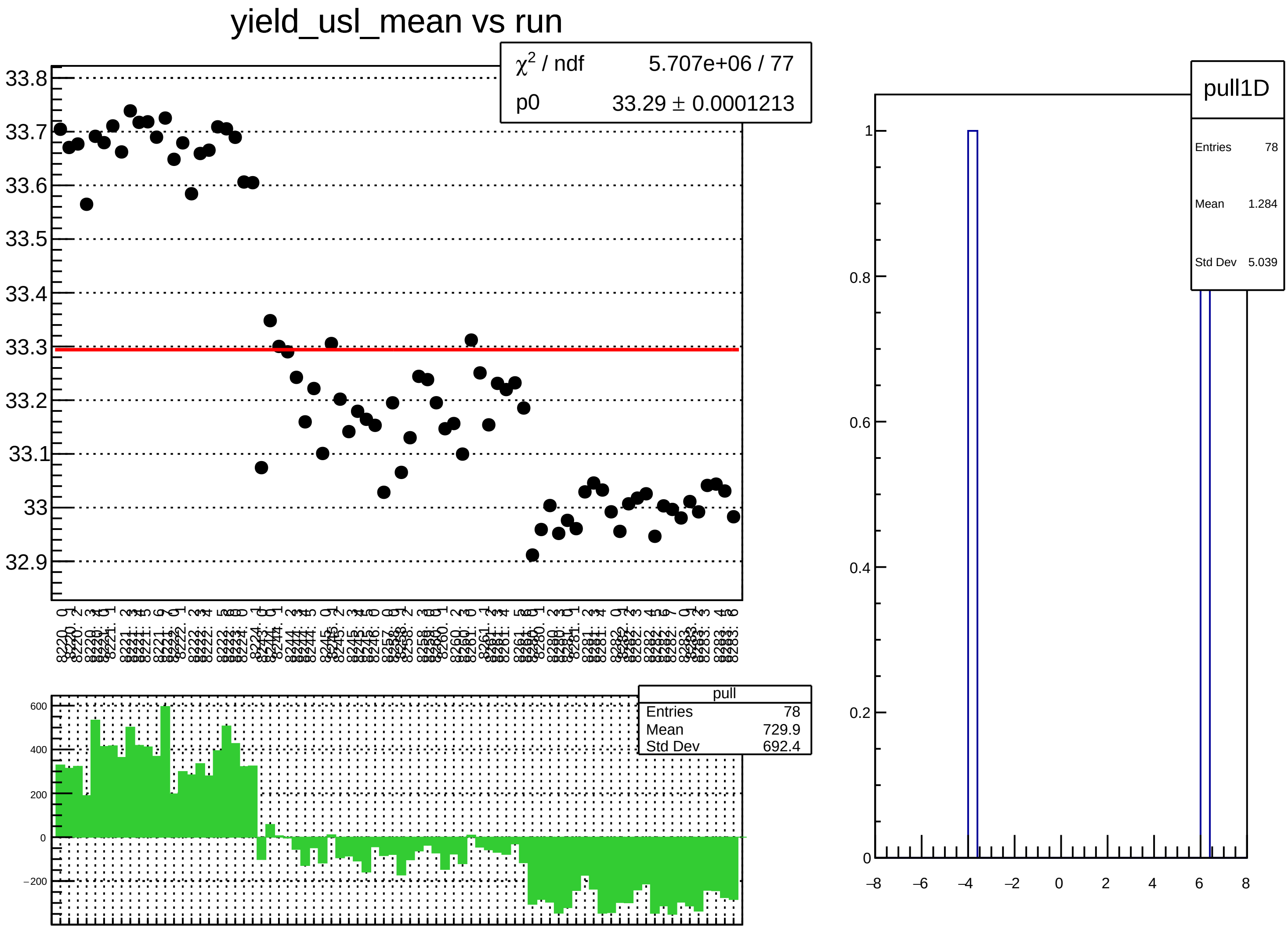

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 18.3 / 77
p0 381.8 ± 216.5
pull
Entries 78
Mean −519
Std Dev 562.9
pull1D
Entries 78
Mean −0.002683
Std Dev 0.4844

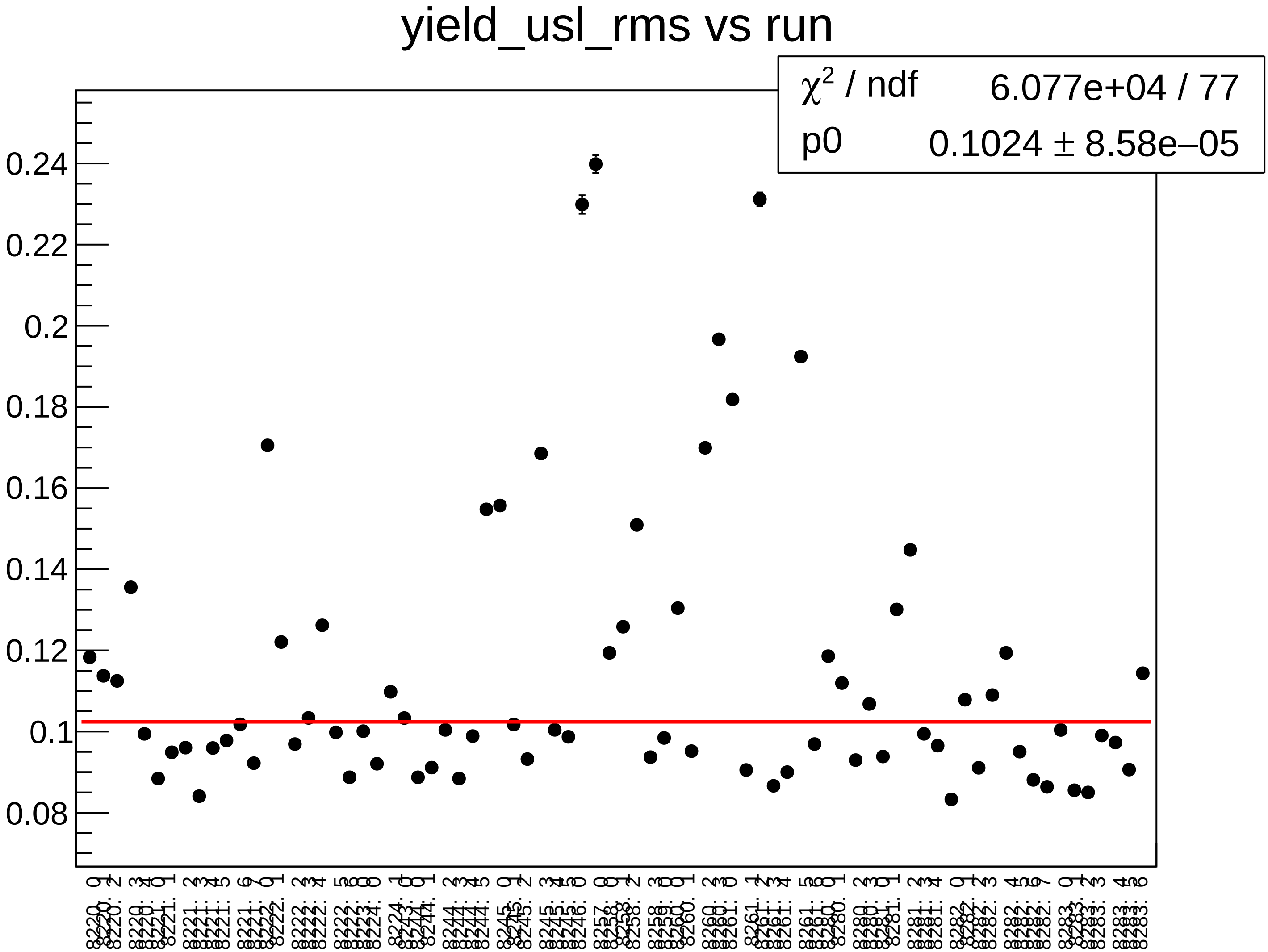

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ2 / ndf 2675 / 77
p0 186.4 ± 0.1531
210
205
200
195
190
185
180
175
170


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ2 / ndf 82.23 / 77
p0 59.84 ± 35.48
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 78
Mean 145
Std Dev 100.3
2
1
0
−1
−2
−3
pull1D
Entries 78
Mean 0.02024
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

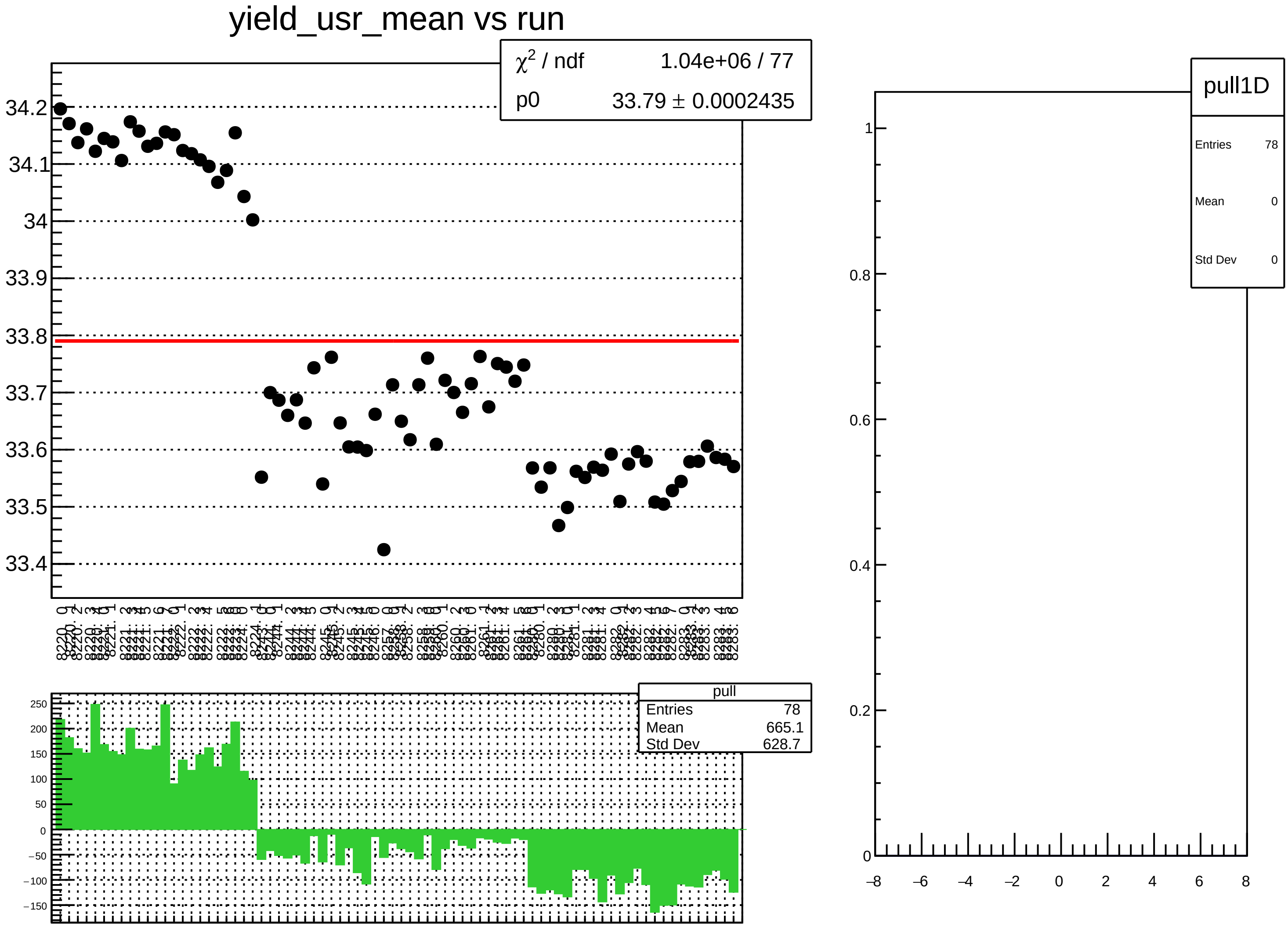


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 5923 / 77
p0 30.51 ± 0.02509
34
32
30
28
26

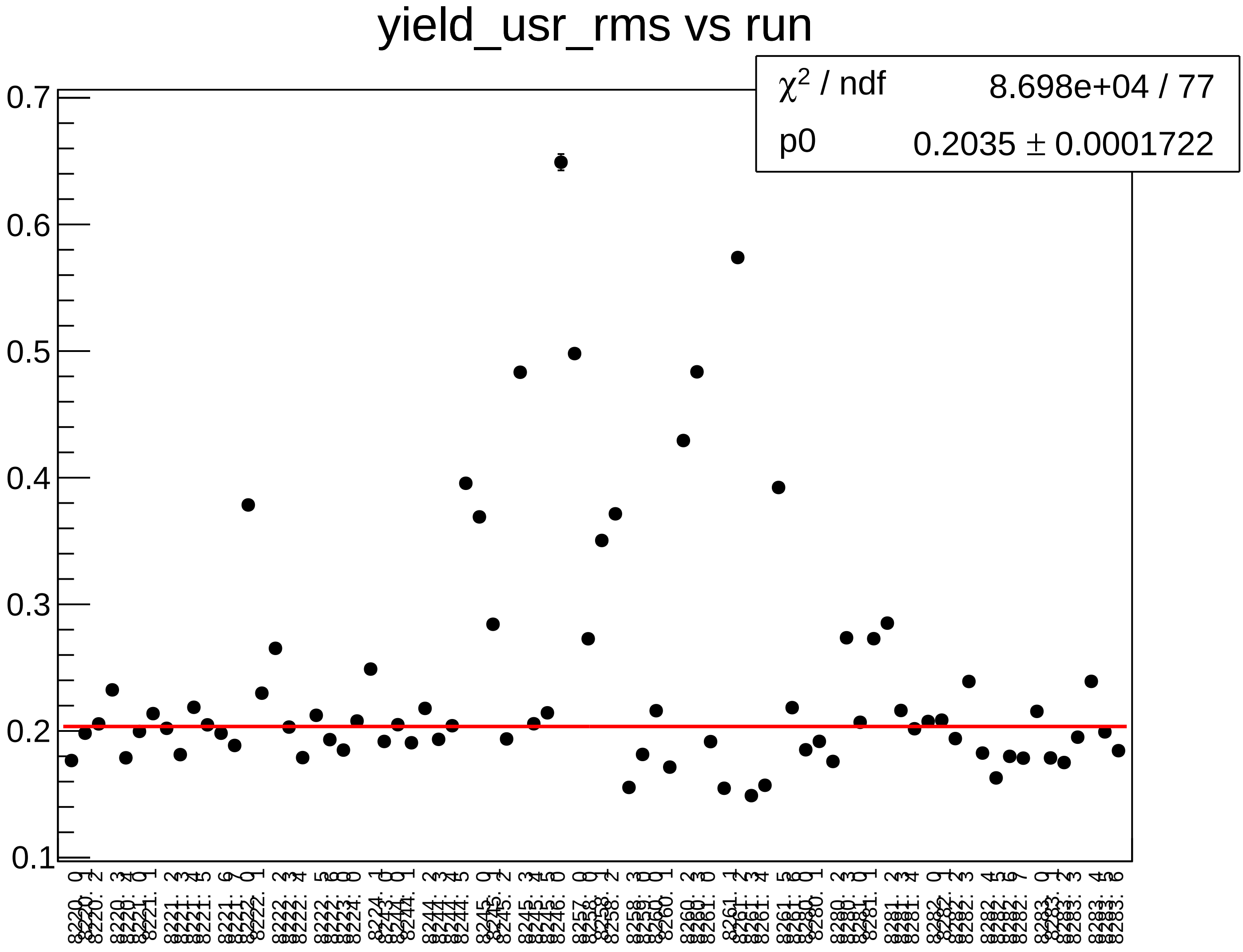

yield_usl_mean vs run
χ^2 / ndf 5.707e+06 / 77
p0 33.29 ± 0.0001213
pull
Entries 78
Mean 729.9
Std Dev 692.4
pull1D
Entries 78
Mean 1.284
Std Dev 5.039



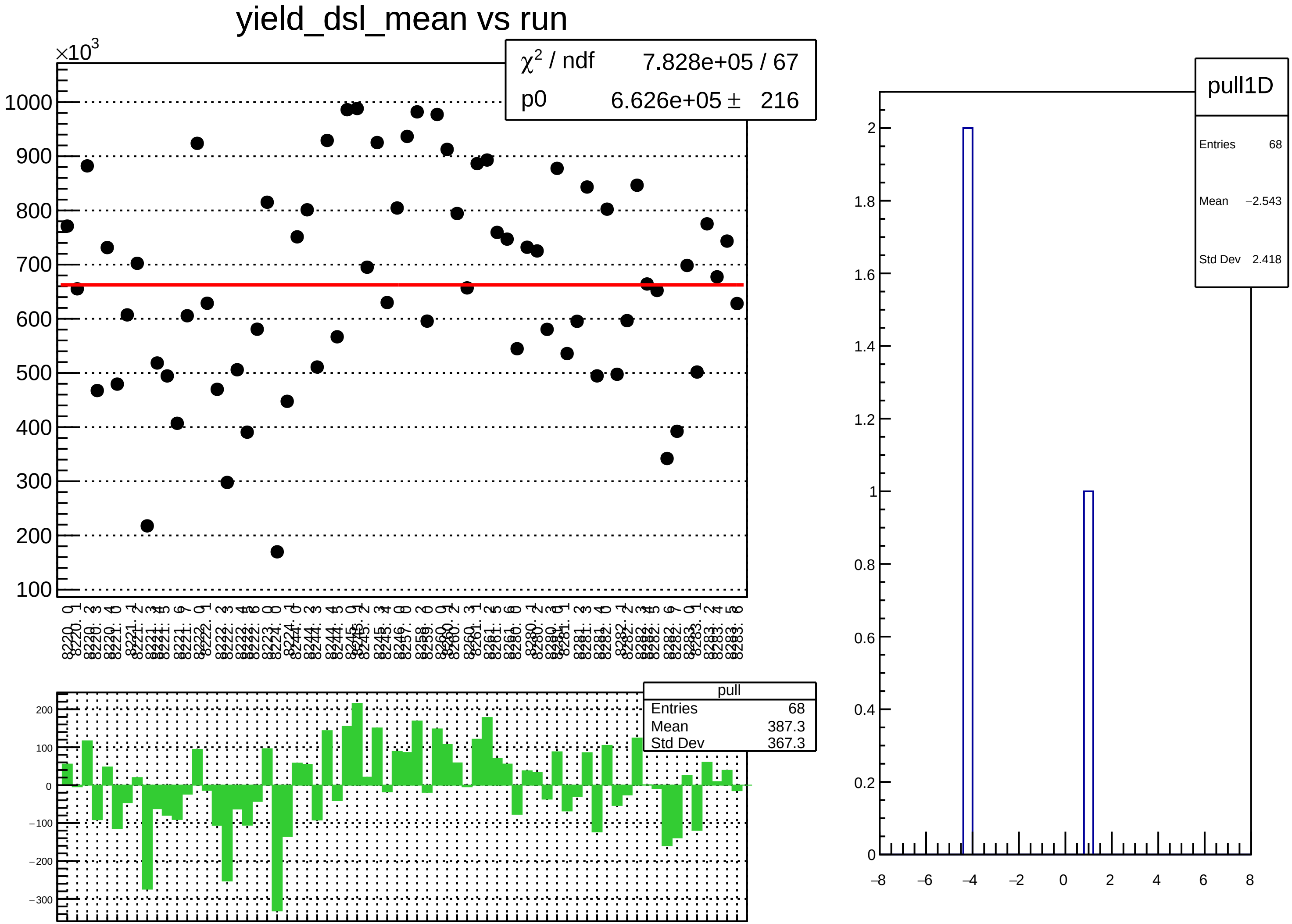
yield_usl_rms vs run
χ^2 / ndf 6.077e+04 / 77
p0 0.1024 ± 8.58e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08

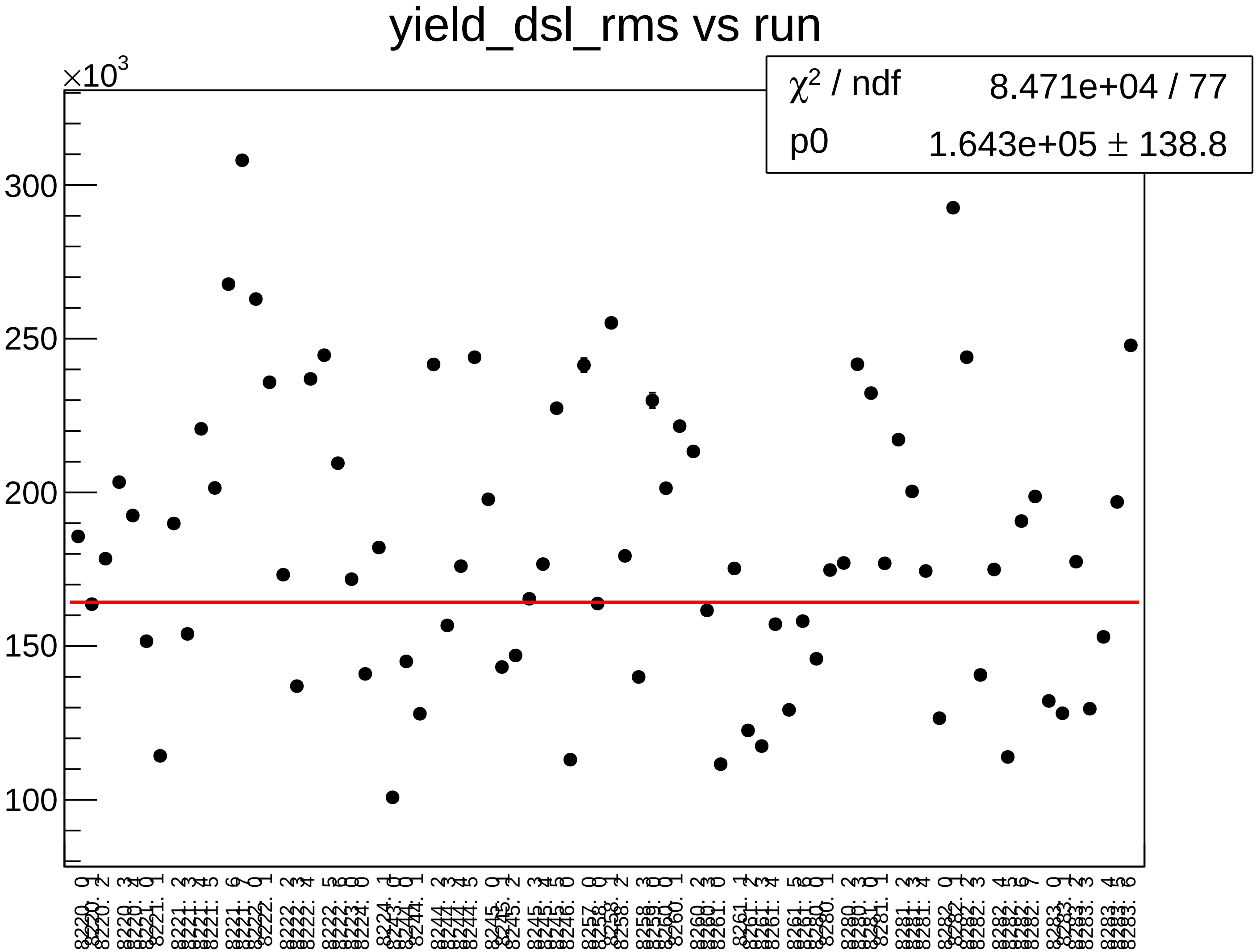


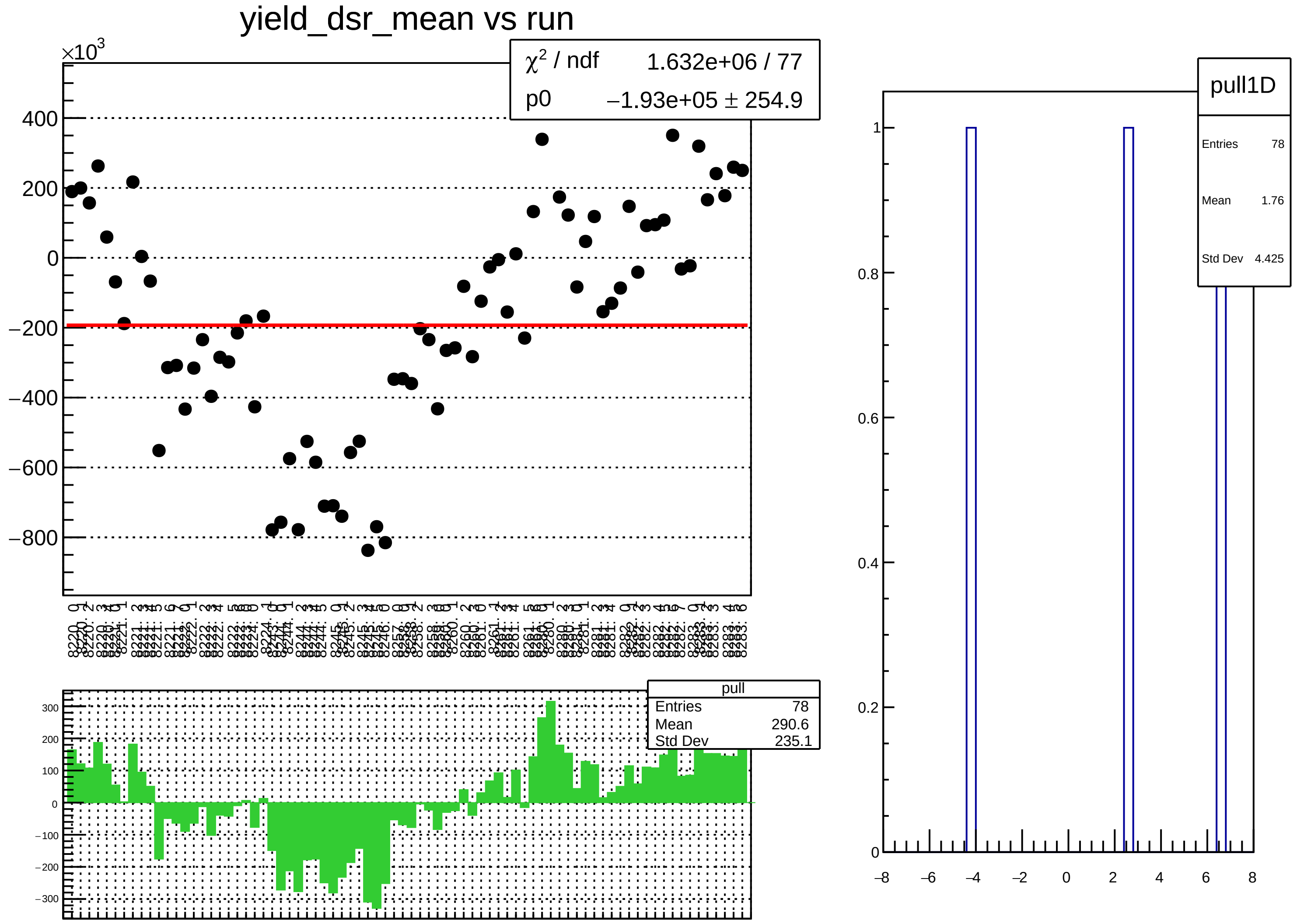
yield_usr_mean vs run
χ^2 / ndf 1.04e+06 / 77
p0 33.79 ± 0.0002435
pull
Entries 78
Mean 665.1
Std Dev 628.7
pull1D
Entries 78
Mean 0
Std Dev 0

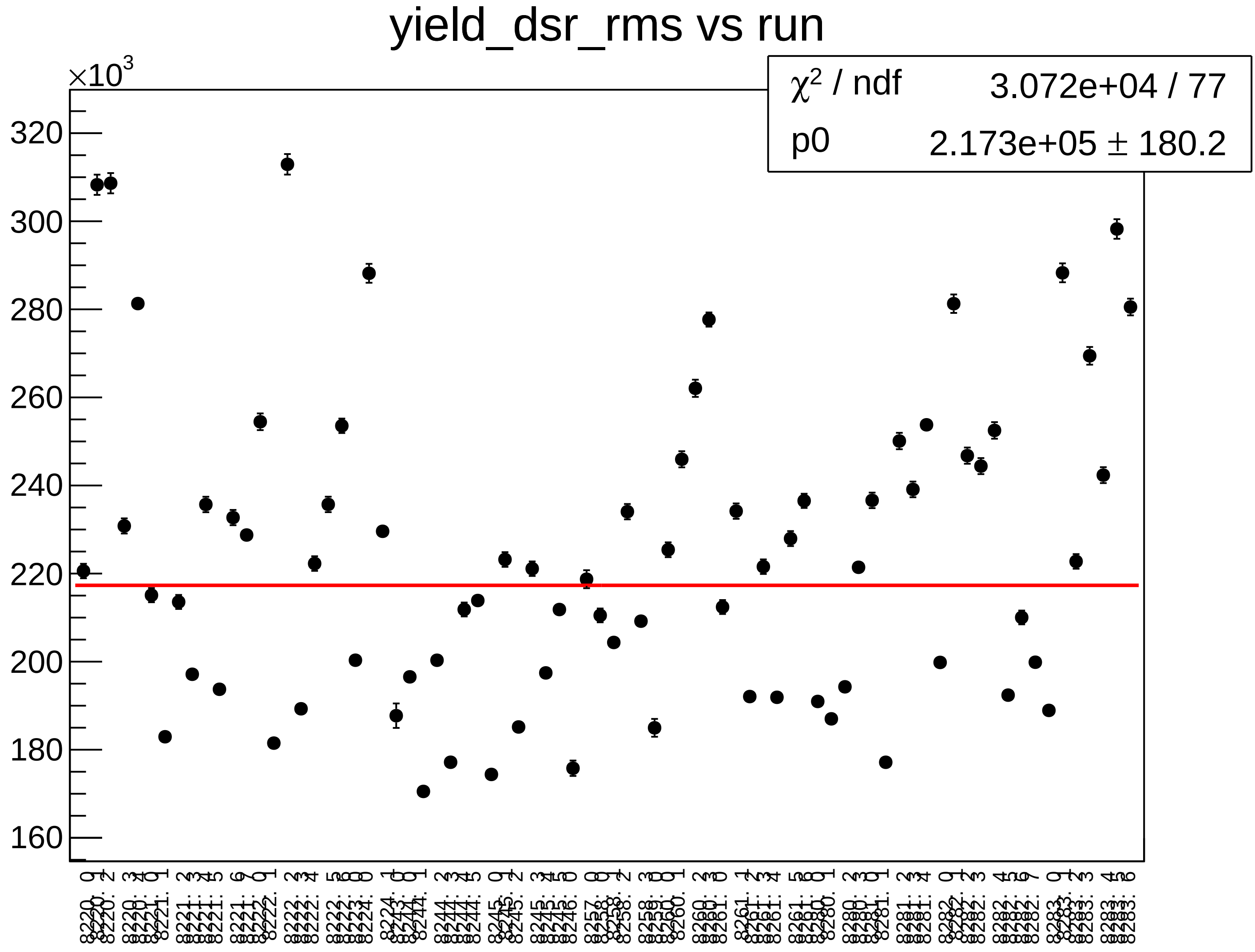


yield_usr_rms vs run
χ^2 / ndf 8.698e+04 / 77
p0 0.2035 ± 0.0001722
0.7
0.6
0.5
0.4
0.3
0.2
0.1

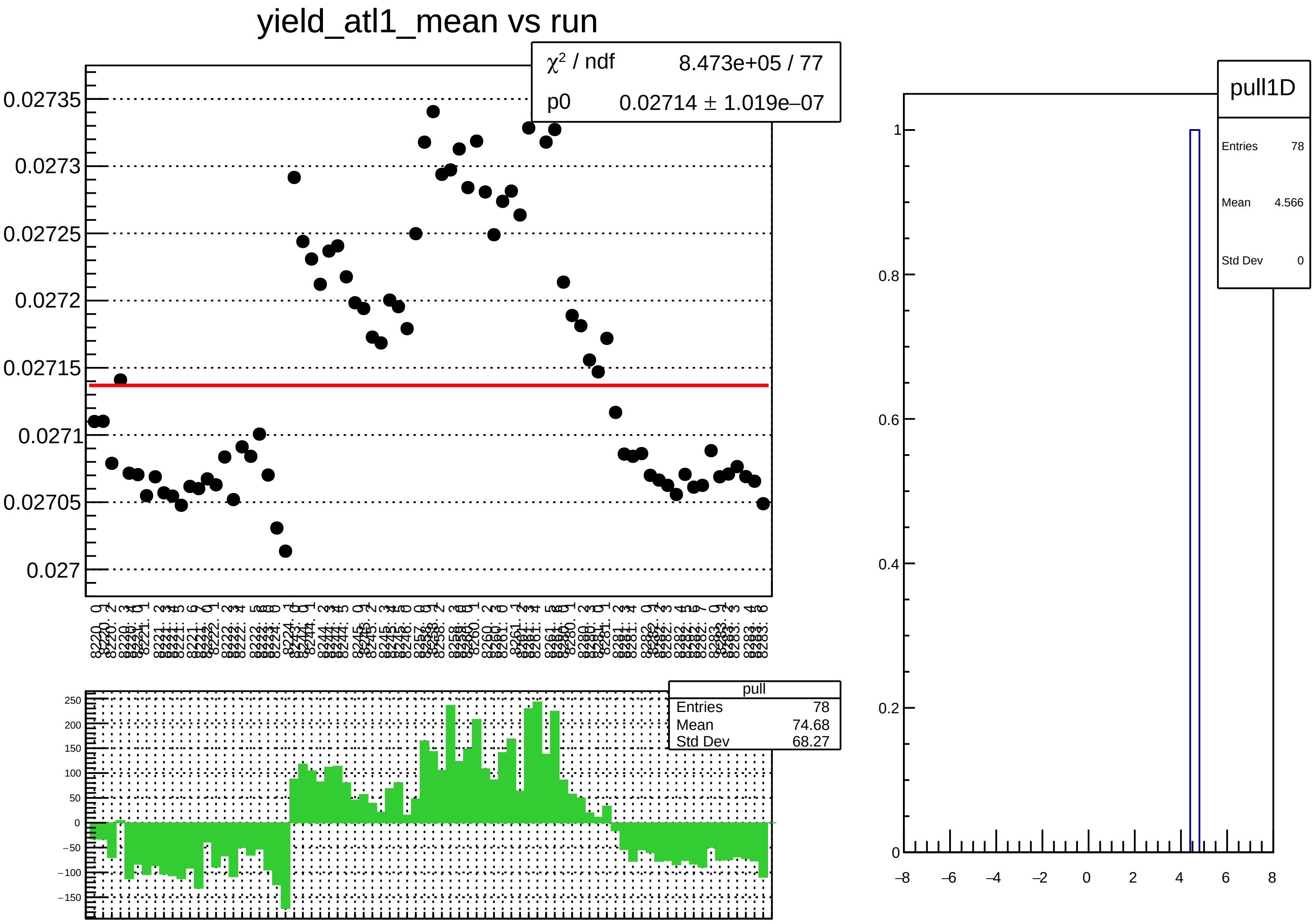

yield_dsl_mean vs run
×10^3
χ^2 / ndf 7.828e+05 / 67
p0 6.626e+05 ± 216
pull
Entries 68
Mean 387.3
Std Dev 367.3
pull1D
Entries 68
Mean −2.543
Std Dev 2.418

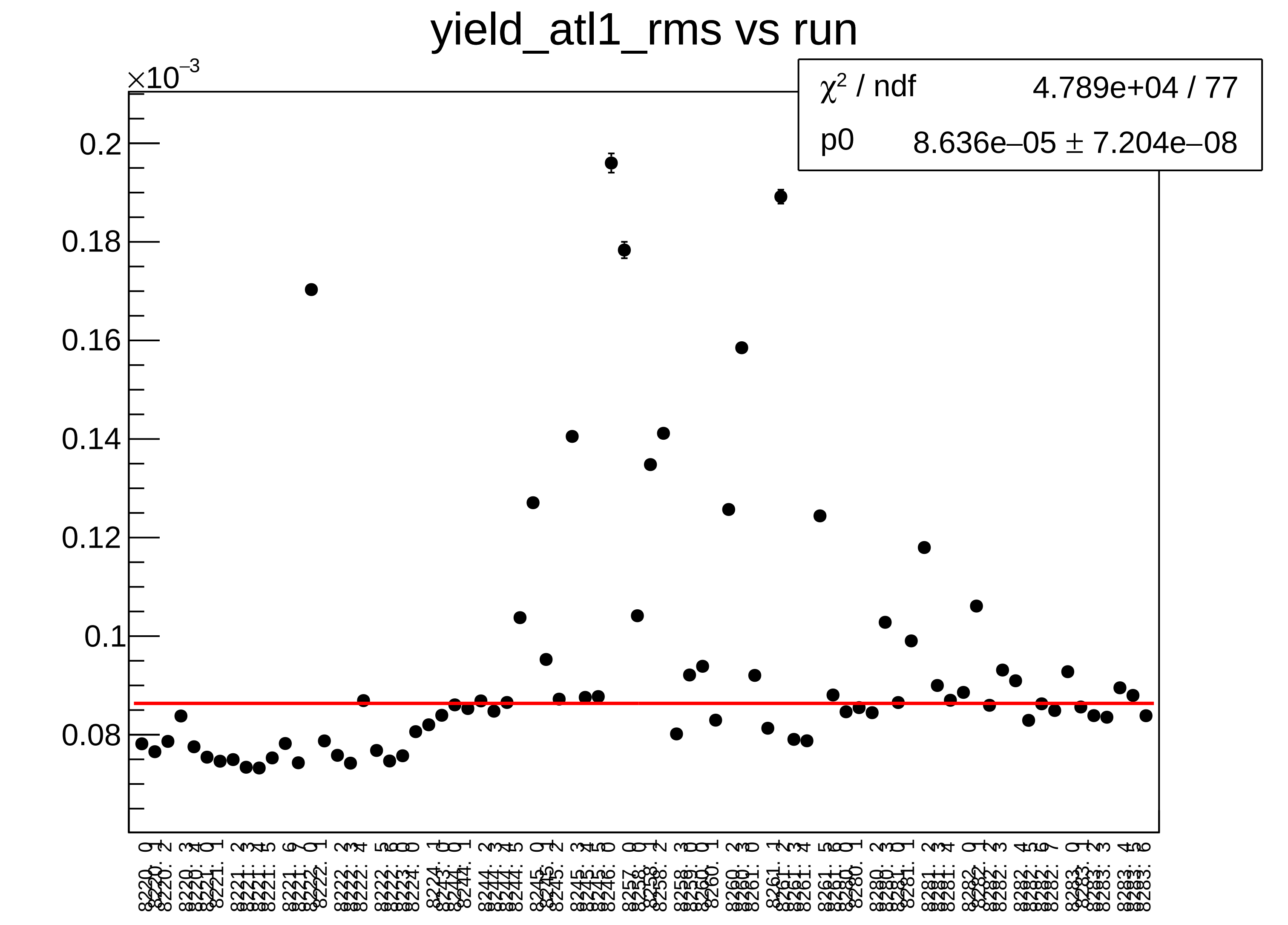

yield_dsl_rms vs run
×10^3
χ2 / ndf 8.471e+04 / 77
p0 1.643e+05 ± 138.8
300
250
200
150
100


yield_dsr_mean vs run
$\times 10^3$
χ^2 / ndf 1.632e+06 / 77
p0 −1.93e+05 ± 254.9
pull
Entries 78
Mean 290.6
Std Dev 235.1
pull1D
Entries 78
Mean 1.76
Std Dev 4.425

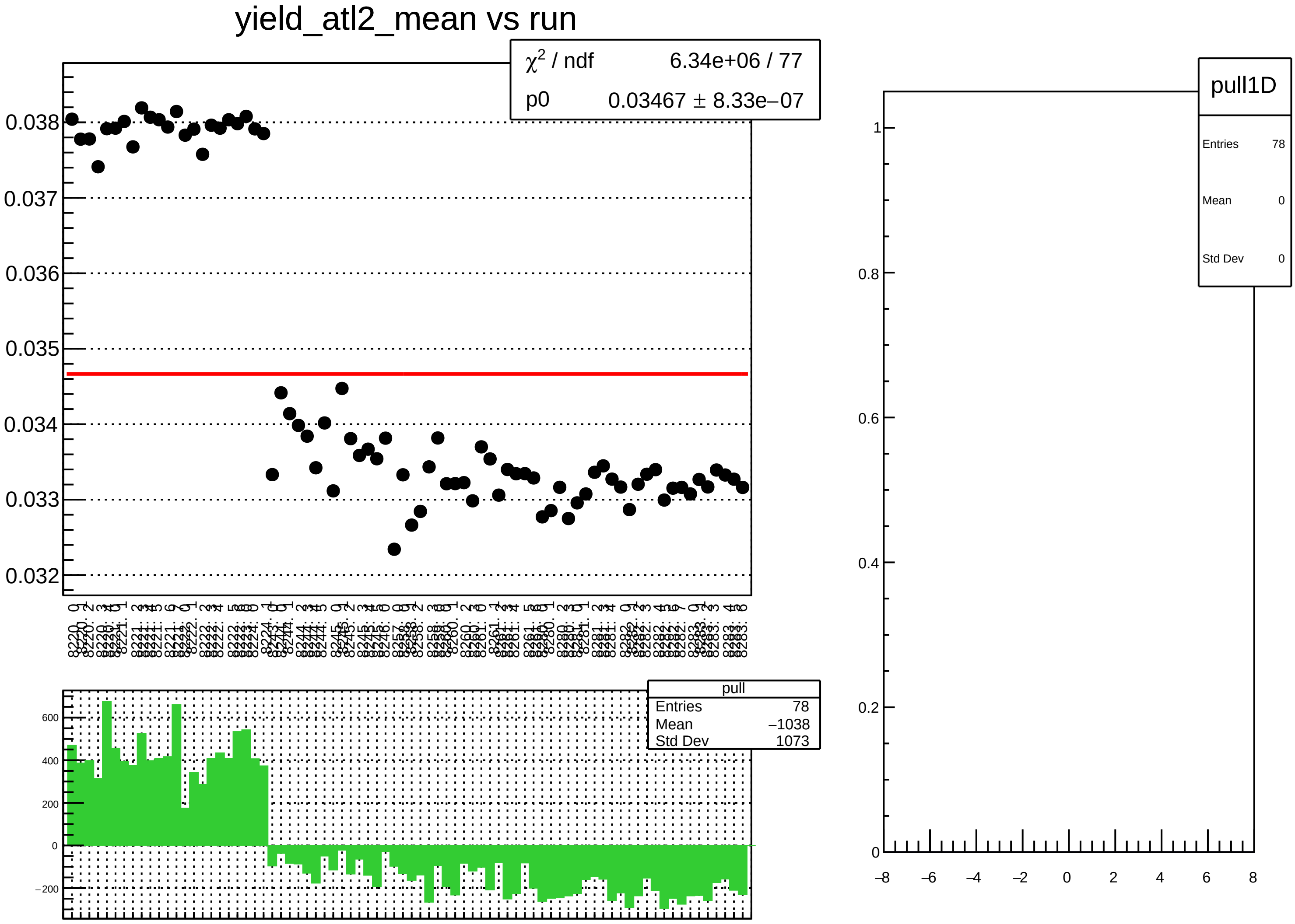


yield_dsr_rms vs run
×10^3
χ2 / ndf 3.072e+04 / 77
p0 2.173e+05 ± 180.2
320
300
280
260
240
220
200
180
160

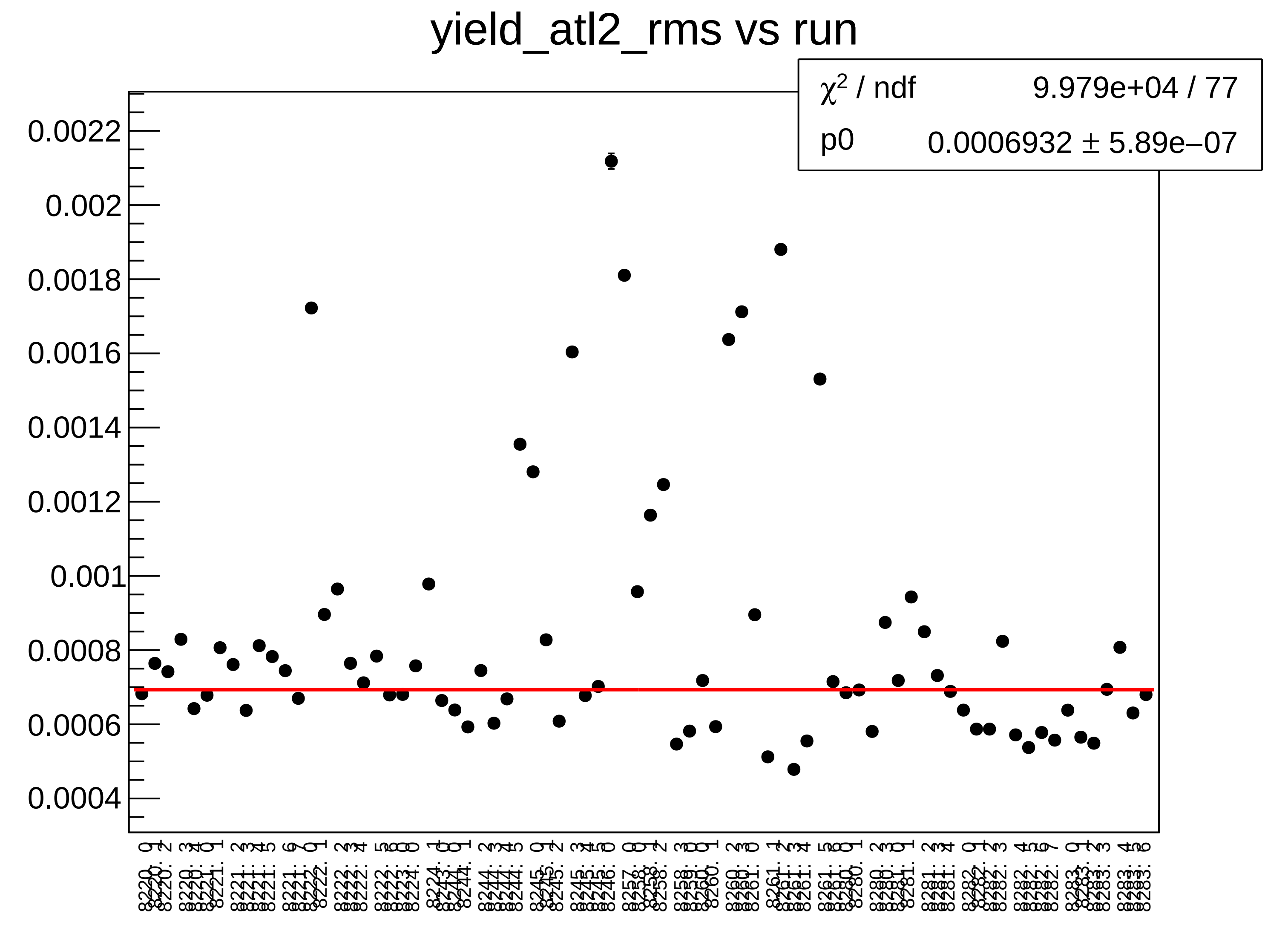

yield_atl1_mean vs run
χ2 / ndf 8.473e+05 / 77
p0 0.02714 ± 1.019e−07
0.02735
0.0273
0.02725
0.0272
0.02715
0.0271
0.02705
0.027
pull
Entries 78
Mean 74.68
Std Dev 68.27
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 78
Mean 4.566
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



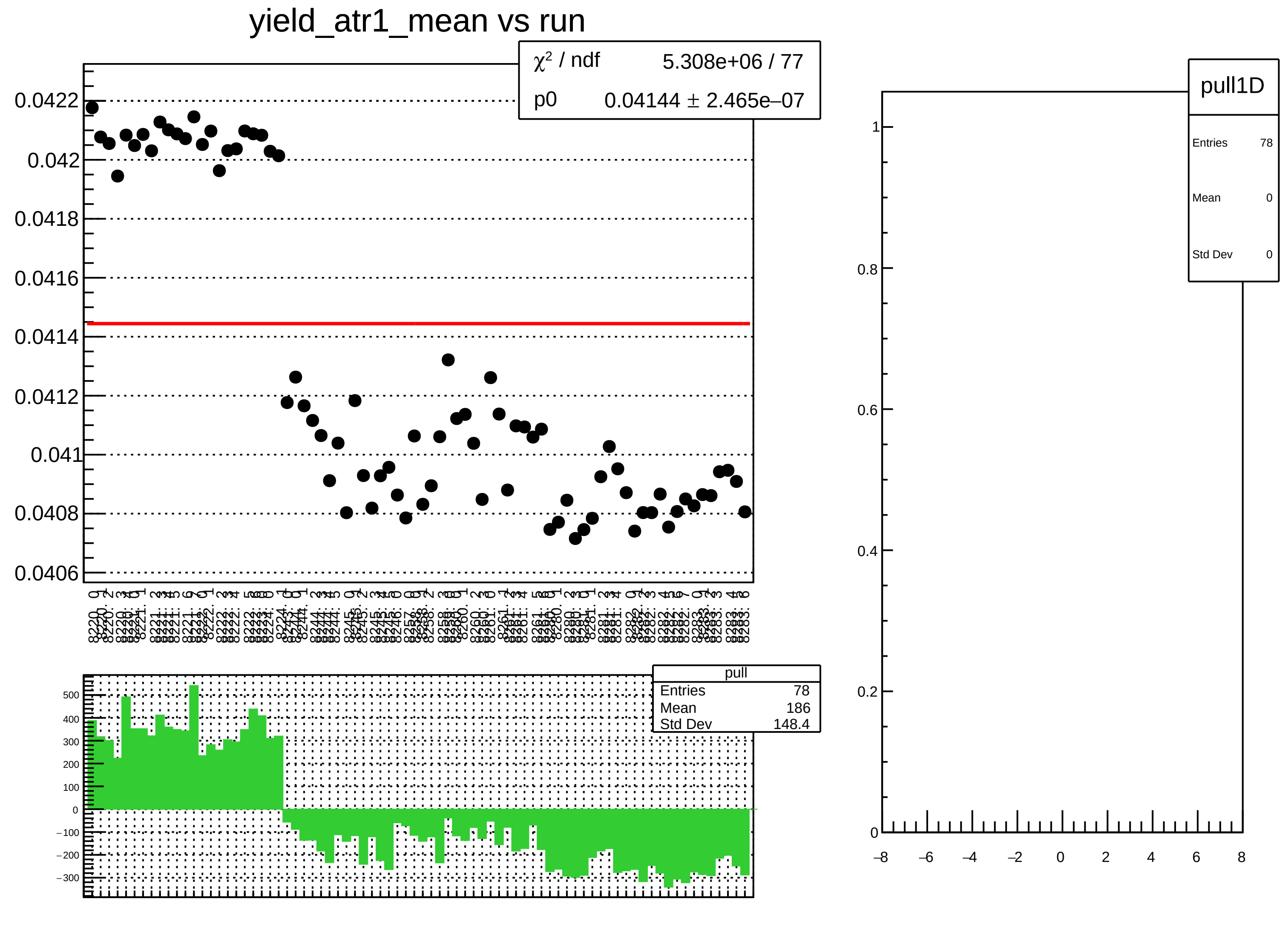
yield_atl1_rms vs run
×10⁻³
χ² / ndf 4.789e+04 / 77
p0 8.636e−05 ± 7.204e−08
0.2
0.18
0.16
0.14
0.12
0.1
0.08

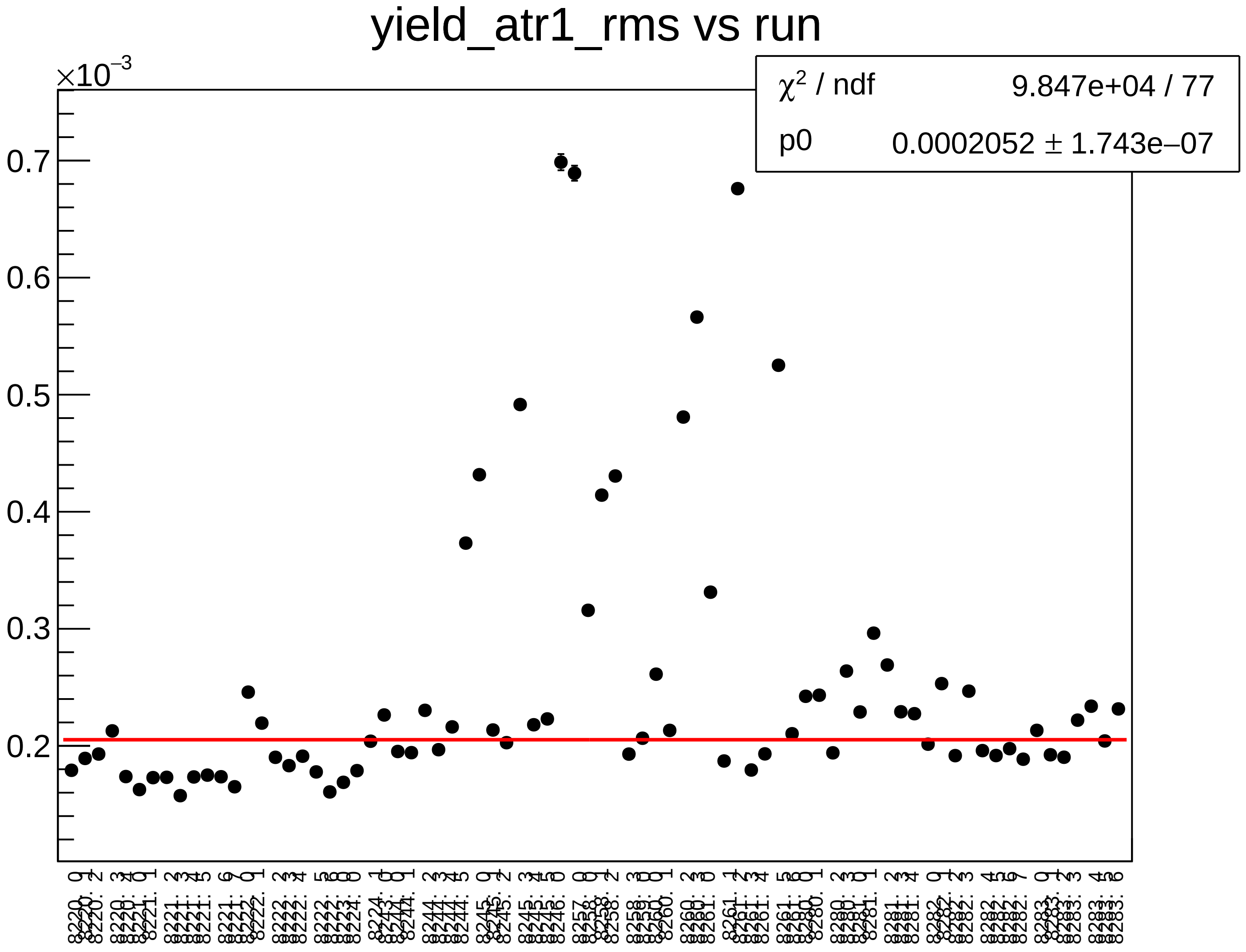


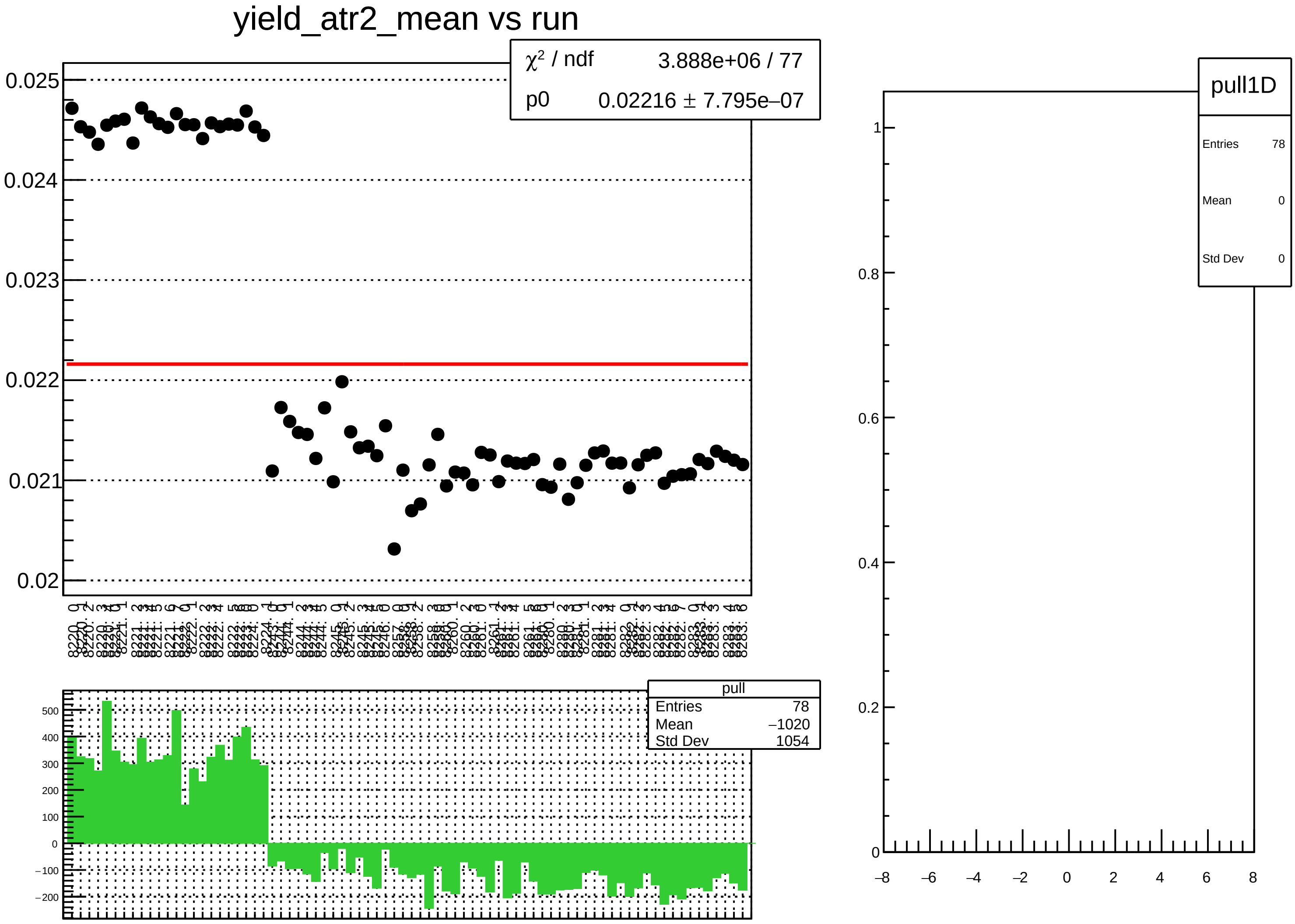
yield_atl2_mean vs run
χ^2 / ndf 6.34e+06 / 77
p0 0.03467 ± 8.33e−07
0.038
0.037
0.036
0.035
0.034
0.033
0.032
pull
Entries 78
Mean −1038
Std Dev 1073
600
400
200
0
−200
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

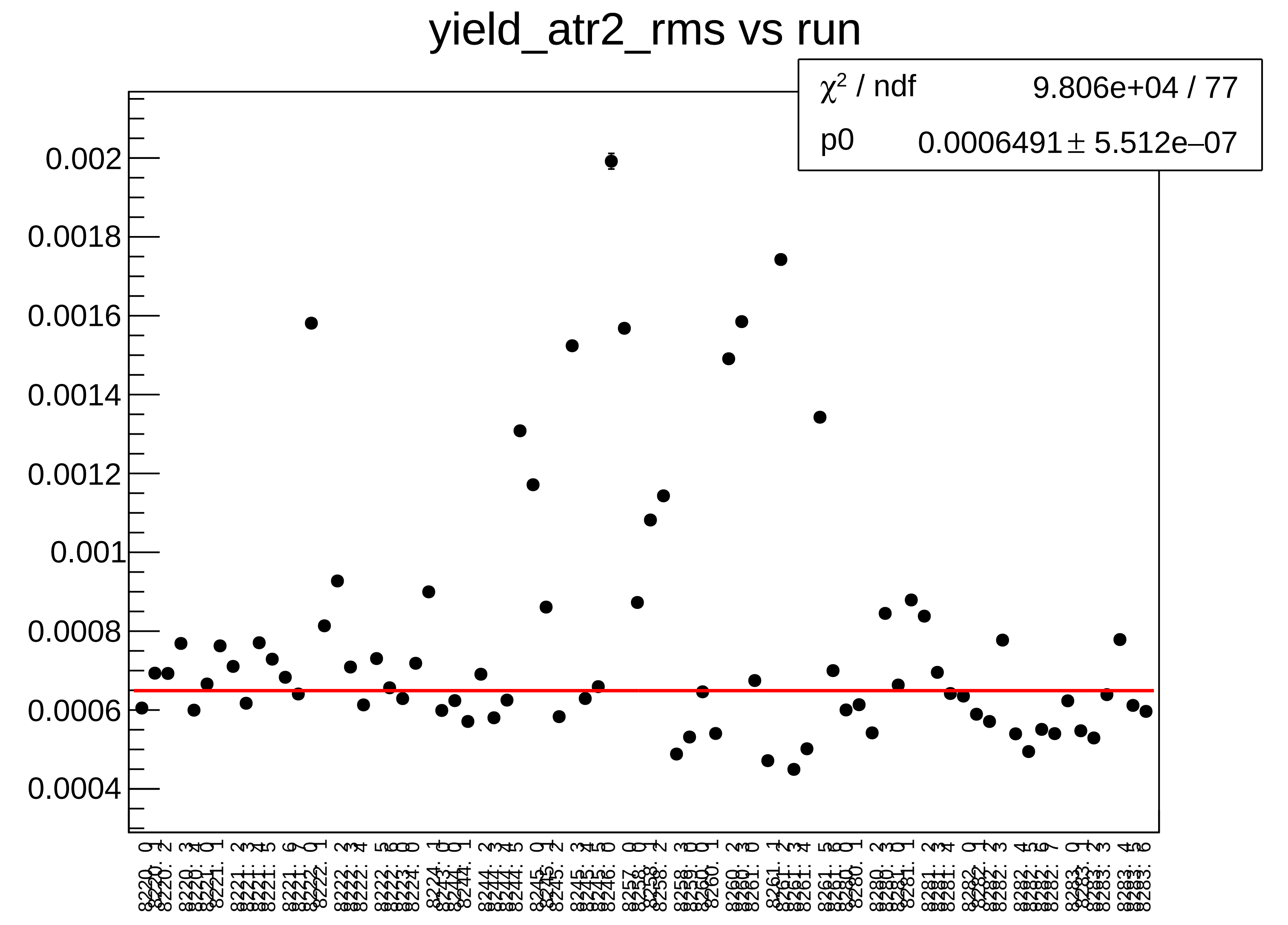


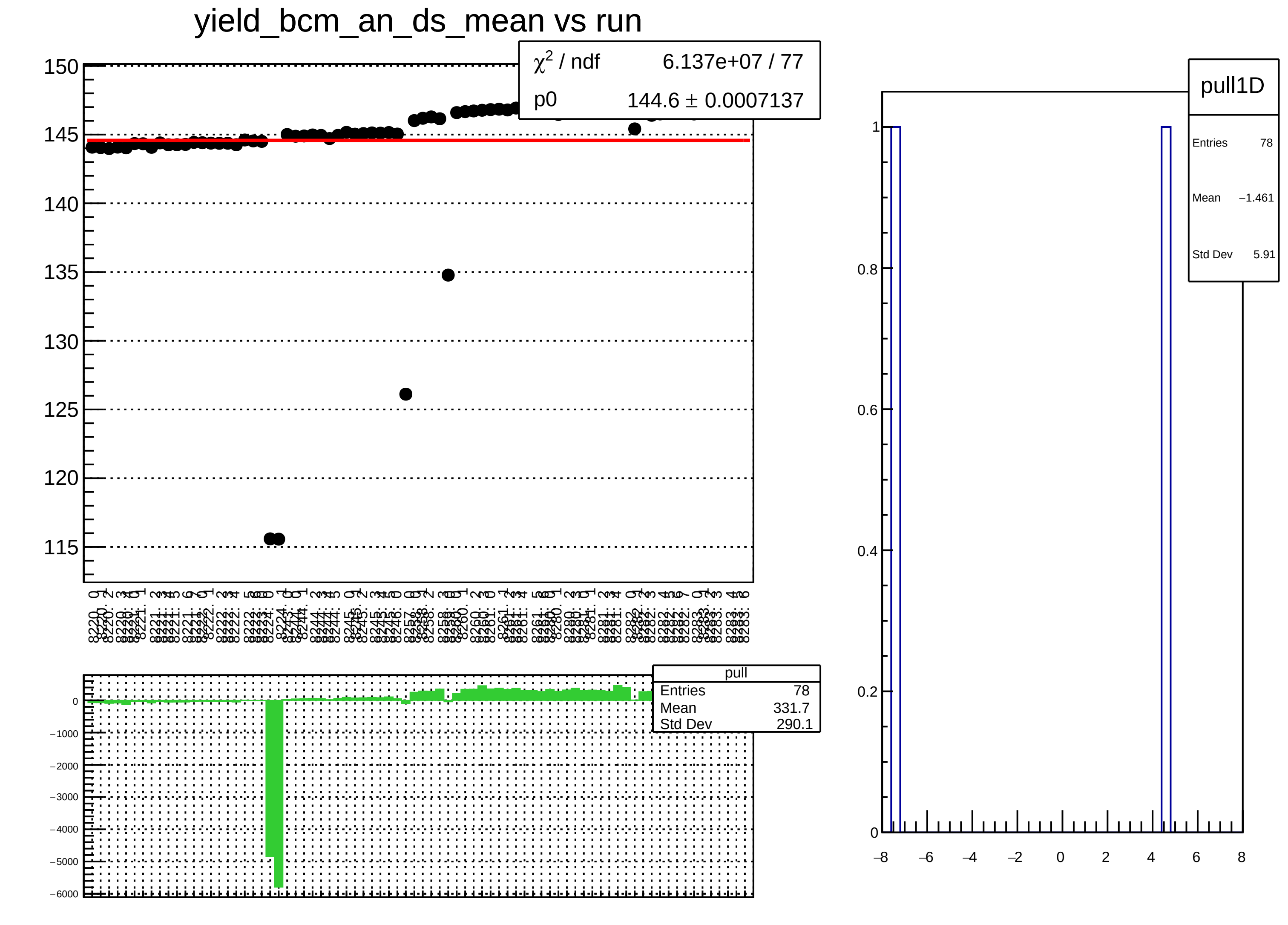
yield_atl2_rms vs run
χ^2 / ndf 9.979e+04 / 77
p0 0.0006932 ± 5.89e−07
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004


yield_atr1_mean vs run
χ2 / ndf 5.308e+06 / 77
p0 0.04144 ± 2.465e−07
0.0422
0.042
0.0418
0.0416
0.0414
0.0412
0.041
0.0408
0.0406
pull
Entries 78
Mean 186
Std Dev 148.4
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

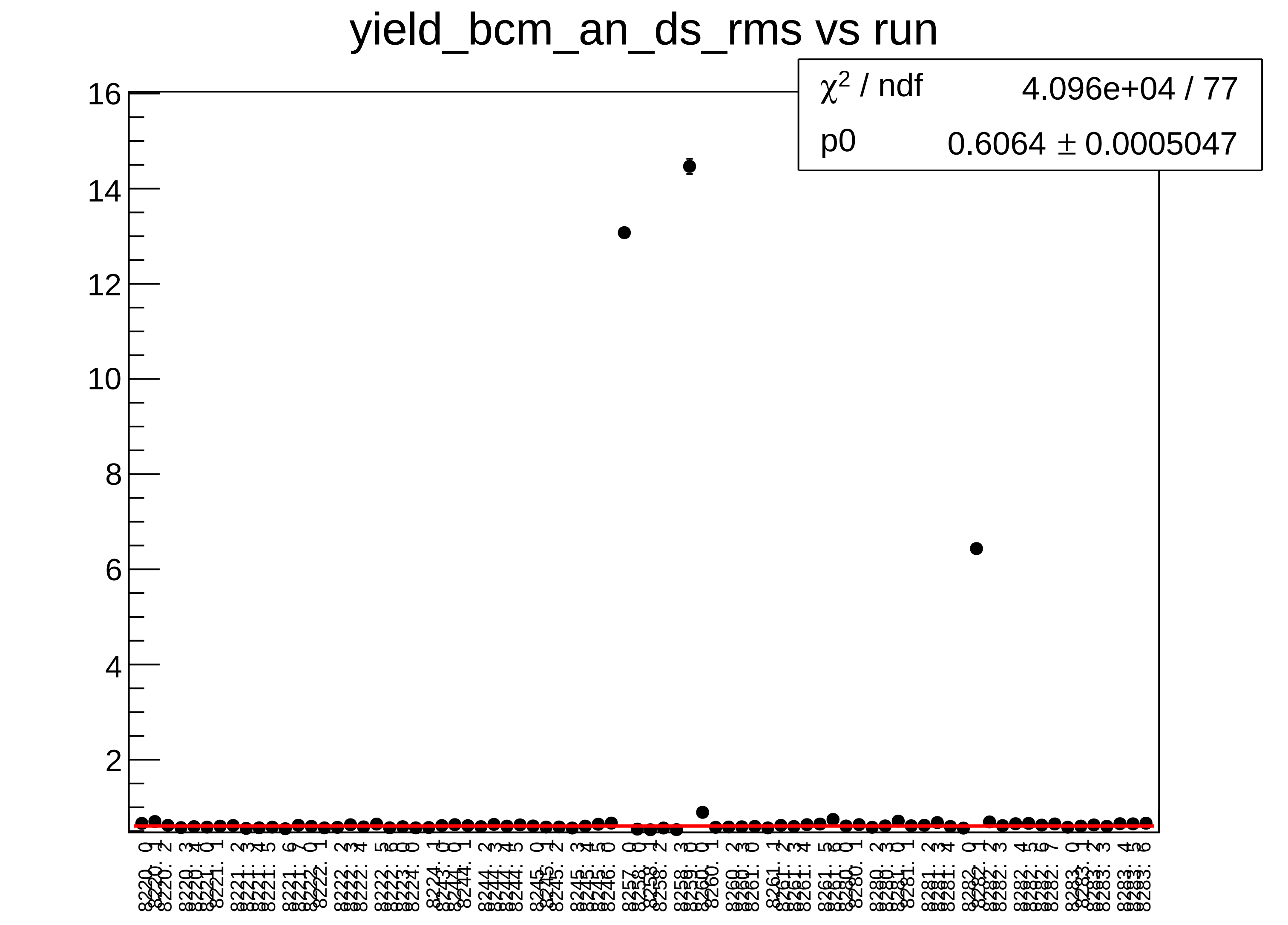

yield_atr1_rms vs run
×10^−3
χ2 / ndf 9.847e+04 / 77
p0 0.0002052 ± 1.743e−07
0.7
0.6
0.5
0.4
0.3
0.2

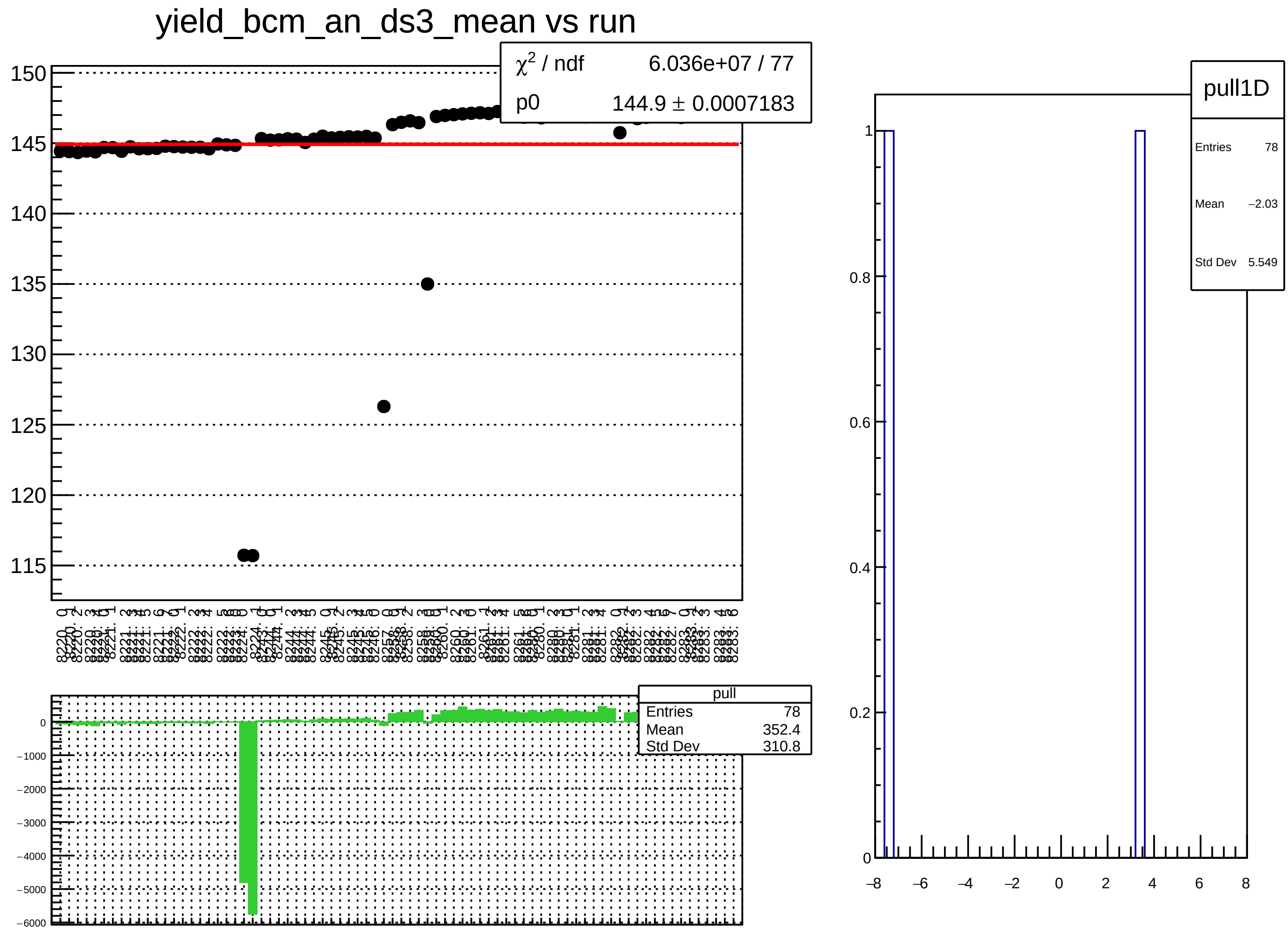

yield_atr2_mean vs run
χ2 / ndf 3.888e+06 / 77
p0 0.02216 ± 7.795e−07
0.025
0.024
0.023
0.022
0.021
0.02
pull
Entries 78
Mean −1020
Std Dev 1054
500
400
300
200
100
0
−100
−200
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_atr2_rms vs run
χ^2 / ndf 9.806e+04 / 77
p0 0.0006491 ± 5.512e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004

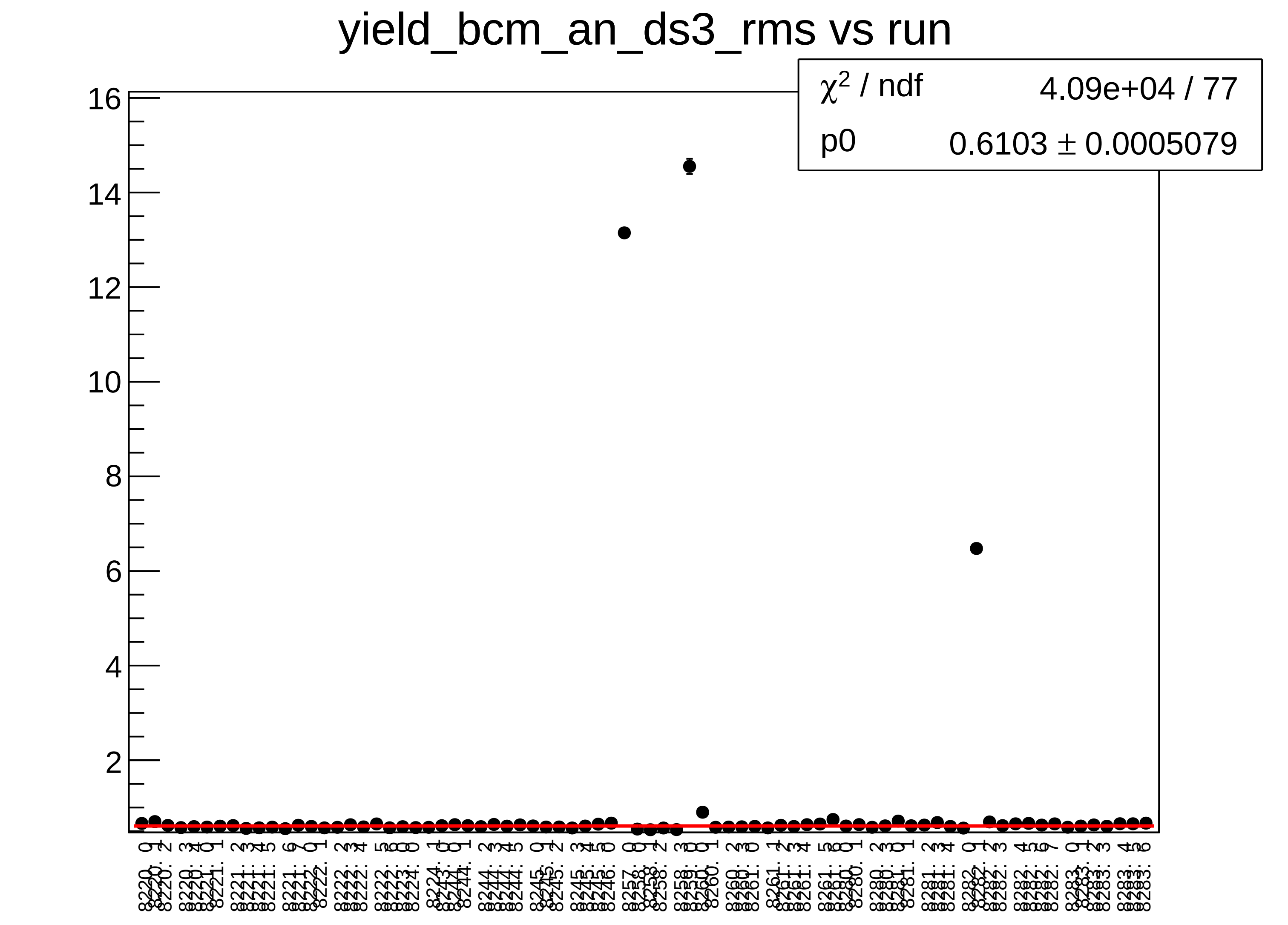


yield_bcm_an_ds_mean vs run
χ^2 / ndf 6.137e+07 / 77
p0 144.6 ± 0.0007137
150
145
140
135
130
125
120
115
pull
Entries 78
Mean 331.7
Std Dev 290.1
0
−1000
−2000
−3000
−4000
−5000
−6000
pull1D
Entries 78
Mean −1.461
Std Dev 5.91
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

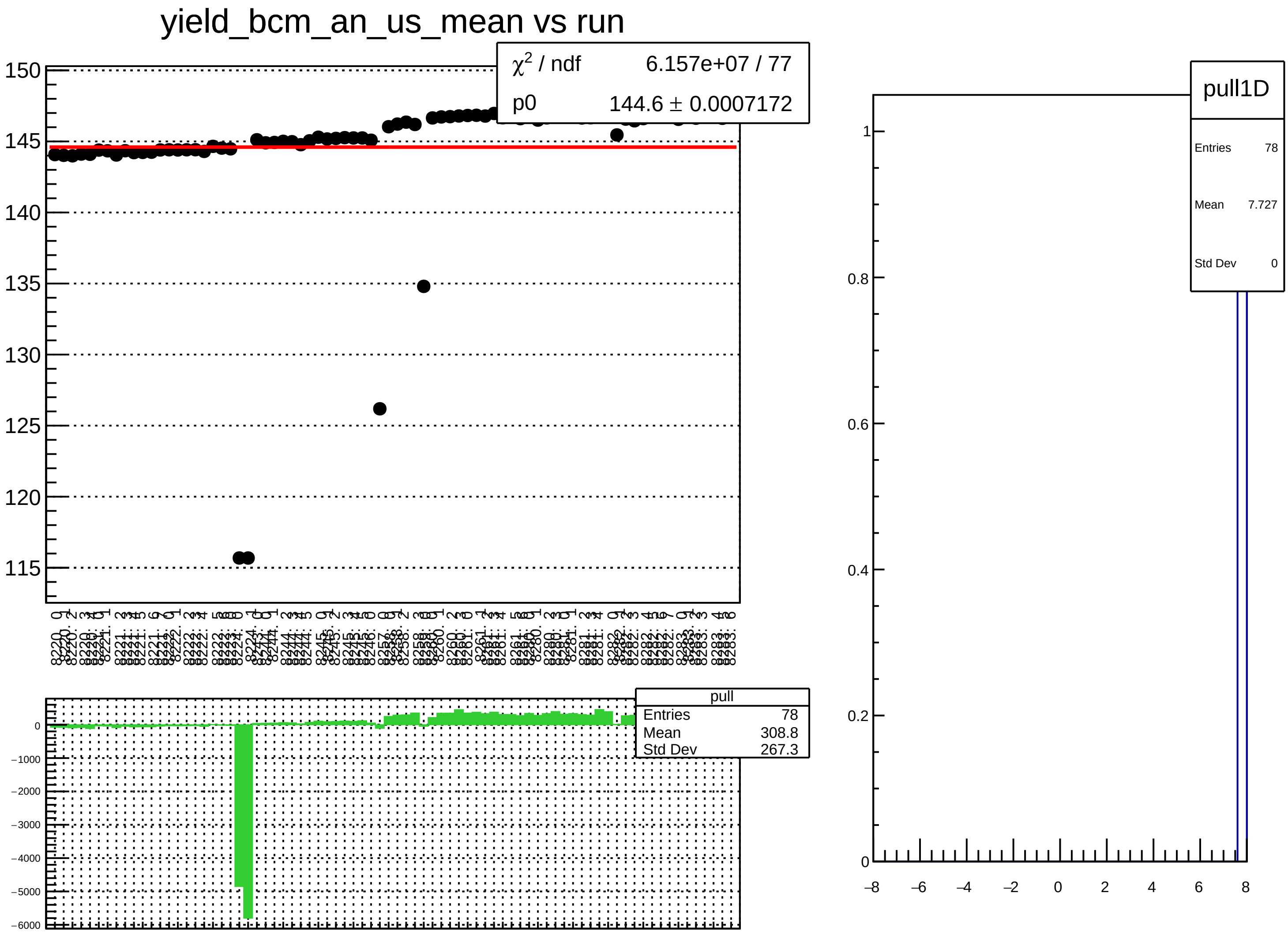

yield_bcm_an_ds_rms vs run
χ^2 / ndf 4.096e+04 / 77
p0 0.6064 ± 0.0005047
16
14
12
10
8
6
4
2

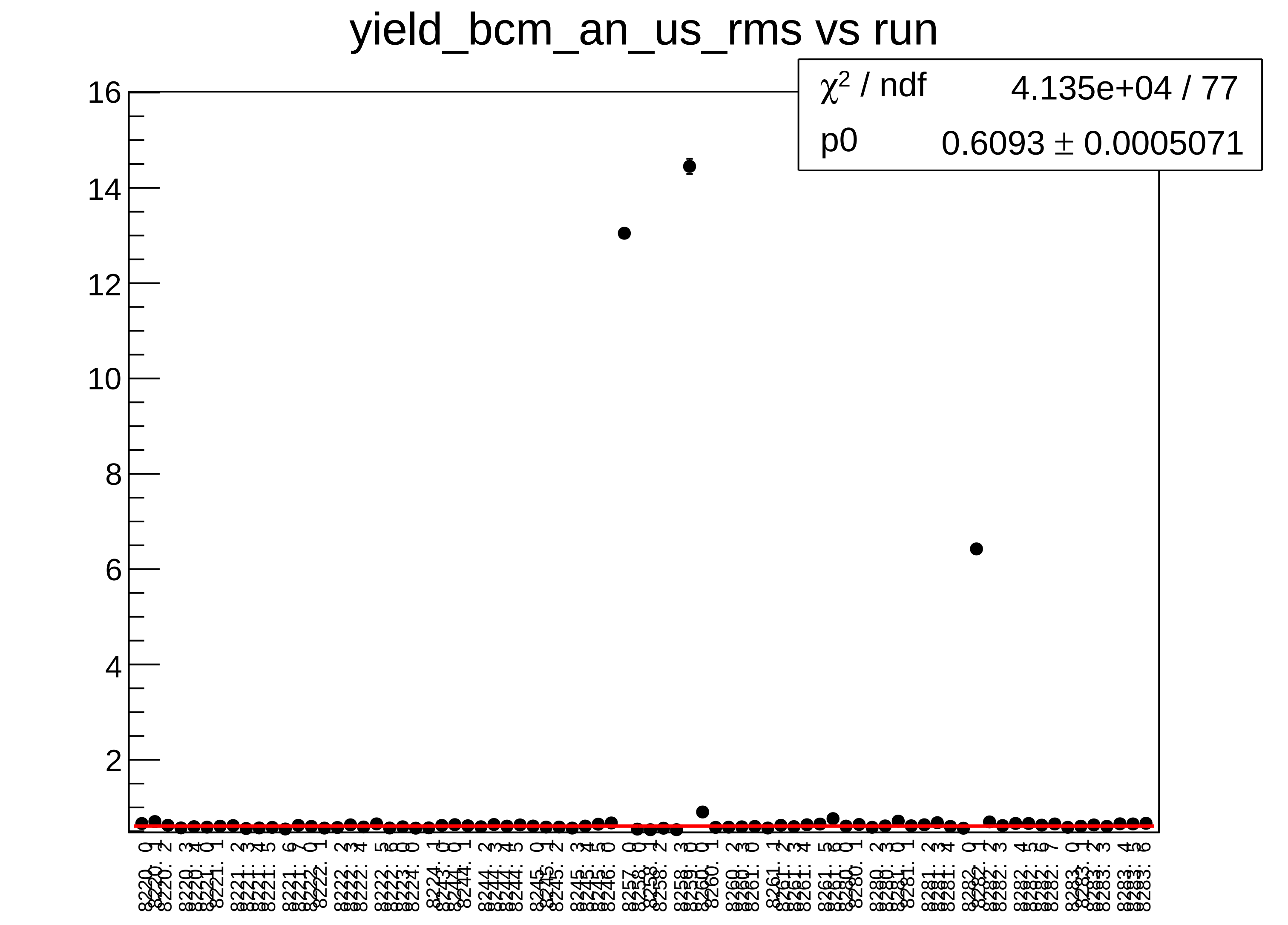


yield_bcm_an_ds3_mean vs run
χ^2 / ndf 6.036e+07 / 77
p0 144.9 ± 0.0007183
pull
Entries 78
Mean 352.4
Std Dev 310.8
pull1D
Entries 78
Mean −2.03
Std Dev 5.549

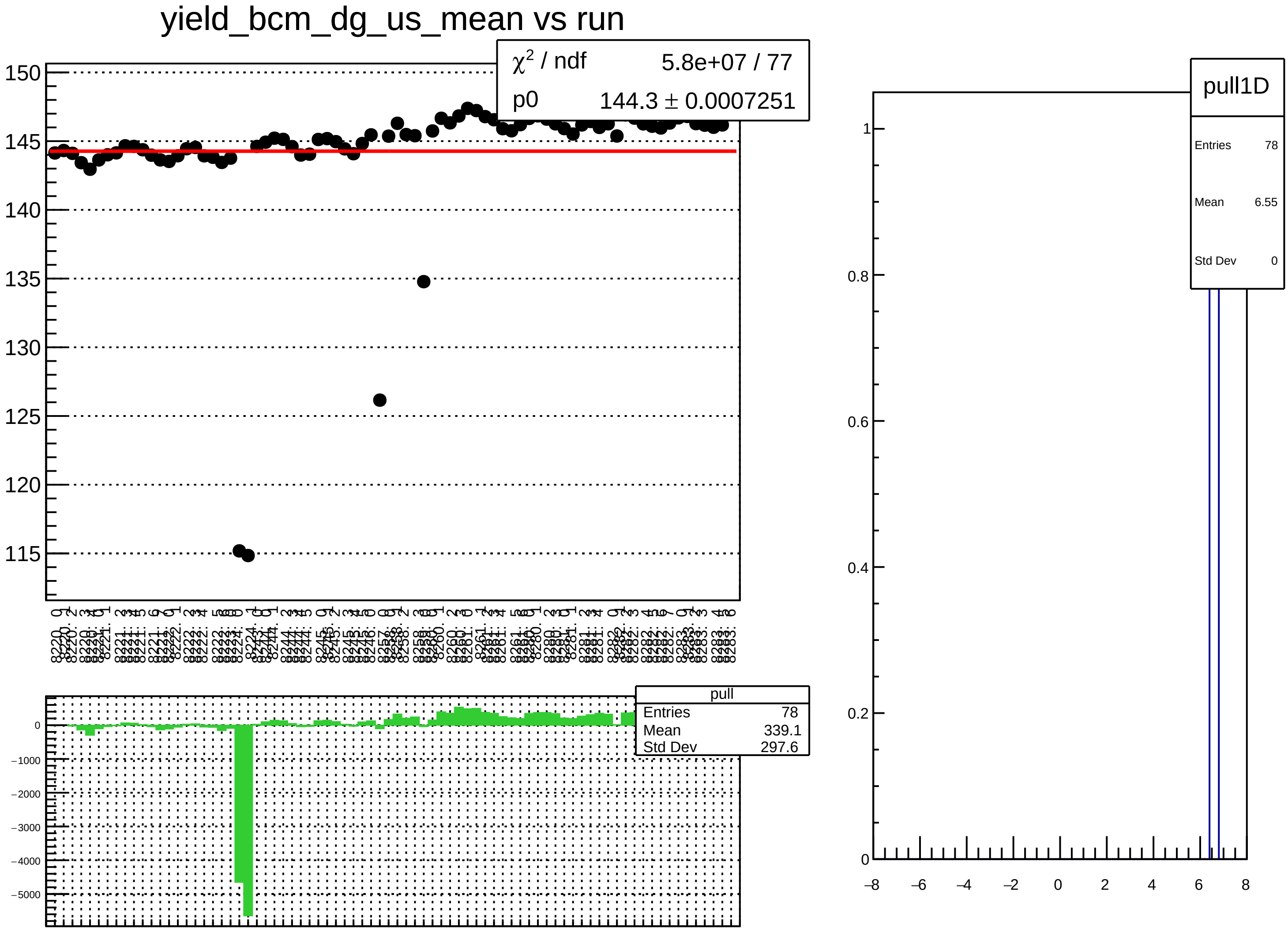


yield_bcm_an_ds3_rms vs run
χ2 / ndf 4.09e+04 / 77
p0 0.6103 ± 0.0005079

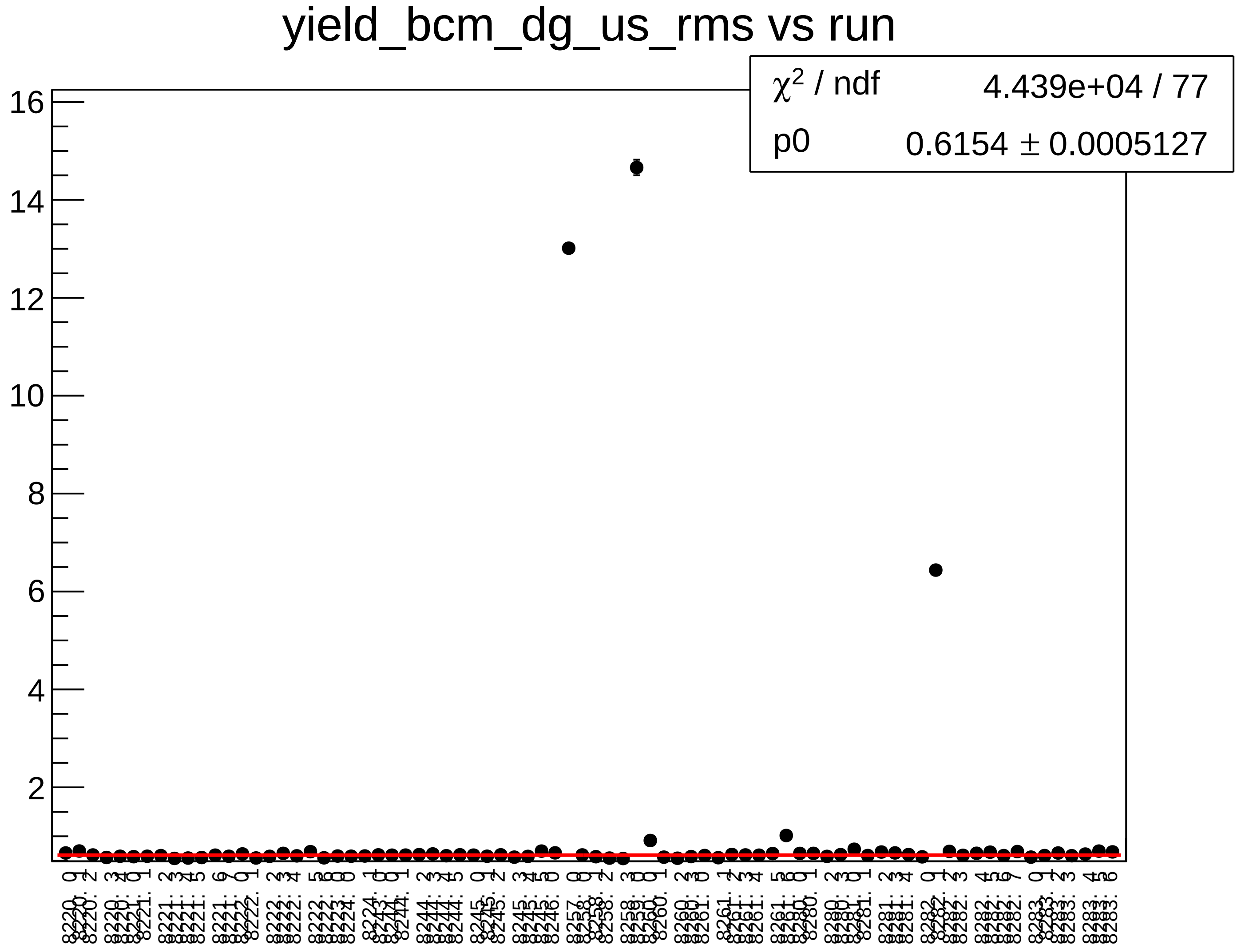

yield_bcm_an_us_mean vs run
χ2 / ndf 6.157e+07 / 77
p0 144.6 ± 0.0007172
pull
Entries 78
Mean 308.8
Std Dev 267.3
pull1D
Entries 78
Mean 7.727
Std Dev 0



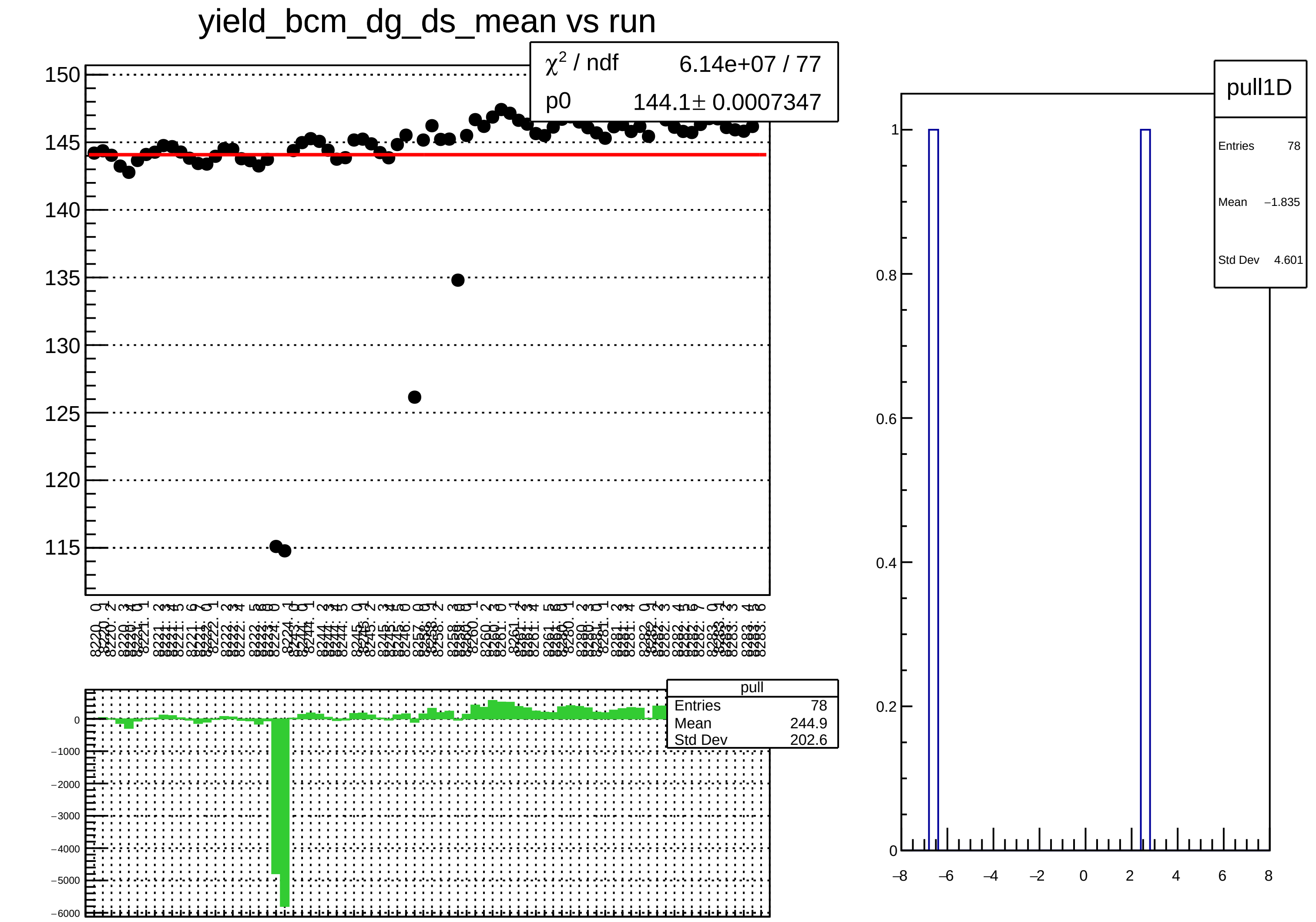
yield_bcm_an_us_rms vs run
χ^2 / ndf 4.135e+04 / 77
p0 0.6093 ± 0.0005071
16
14
12
10
8
6
4
2

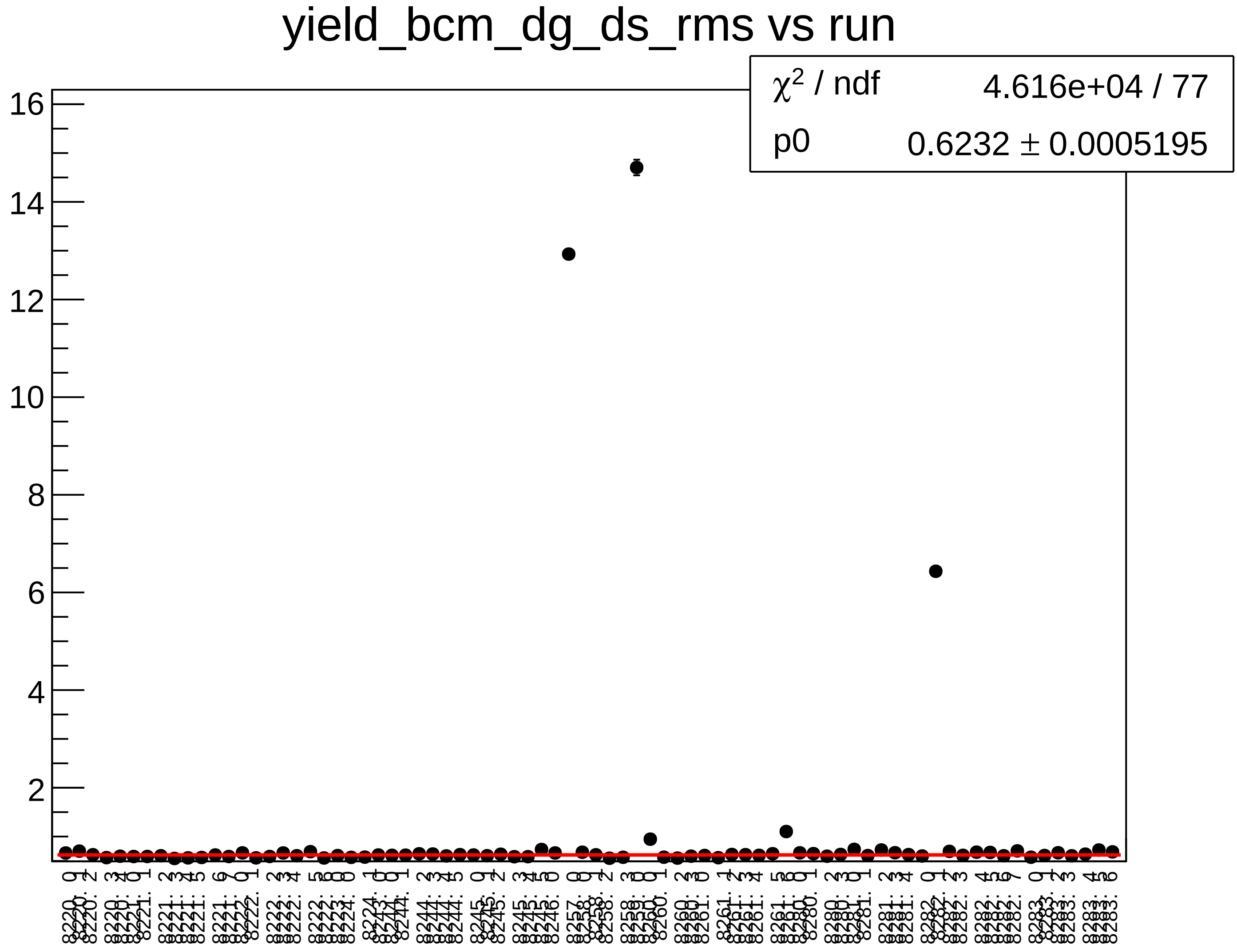


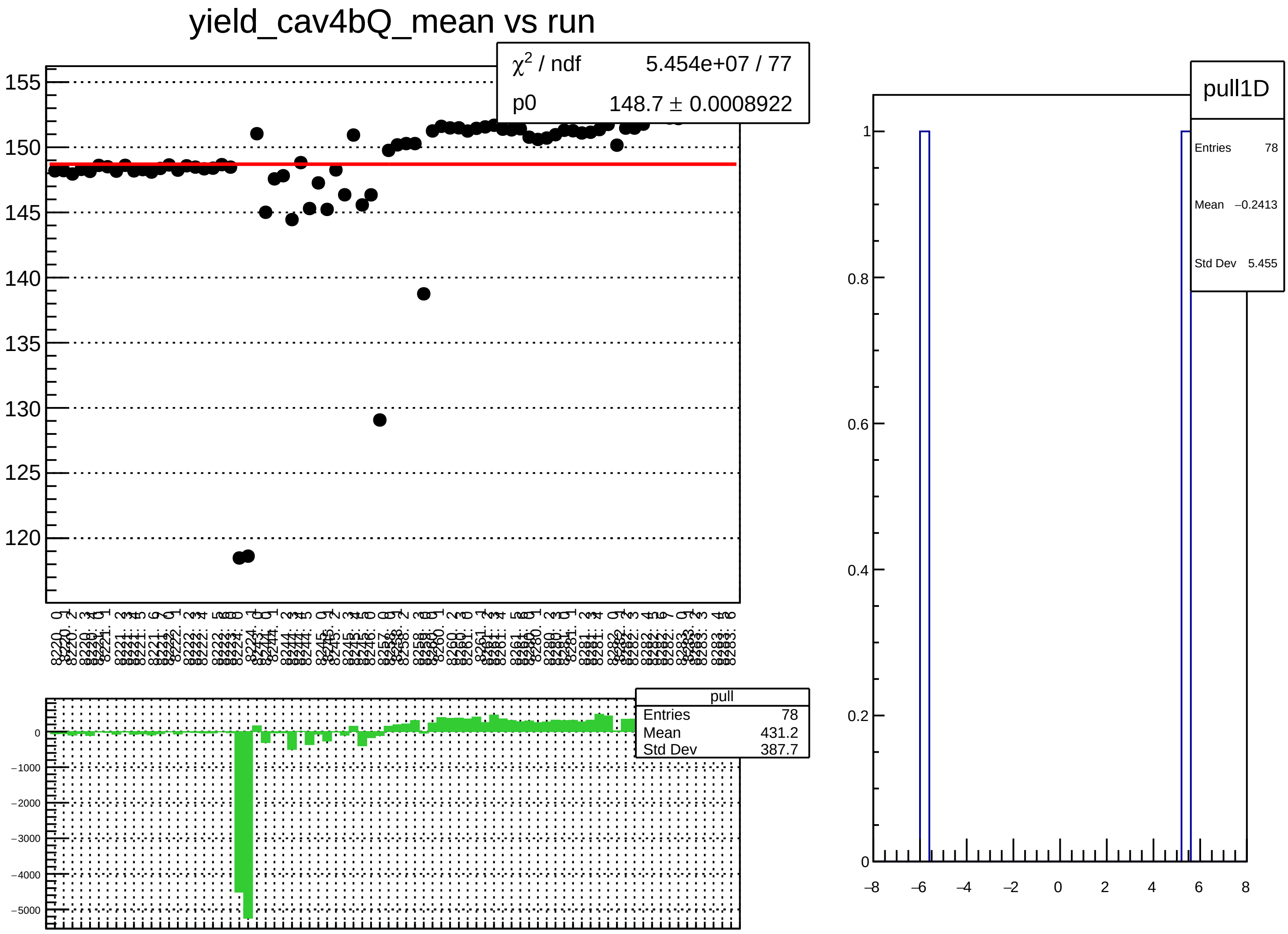
yield_bcm_dg_us_mean vs run
χ2 / ndf 5.8e+07 / 77
p0 144.3 ± 0.0007251
pull
Entries 78
Mean 339.1
Std Dev 297.6
pull1D
Entries 78
Mean 6.55
Std Dev 0



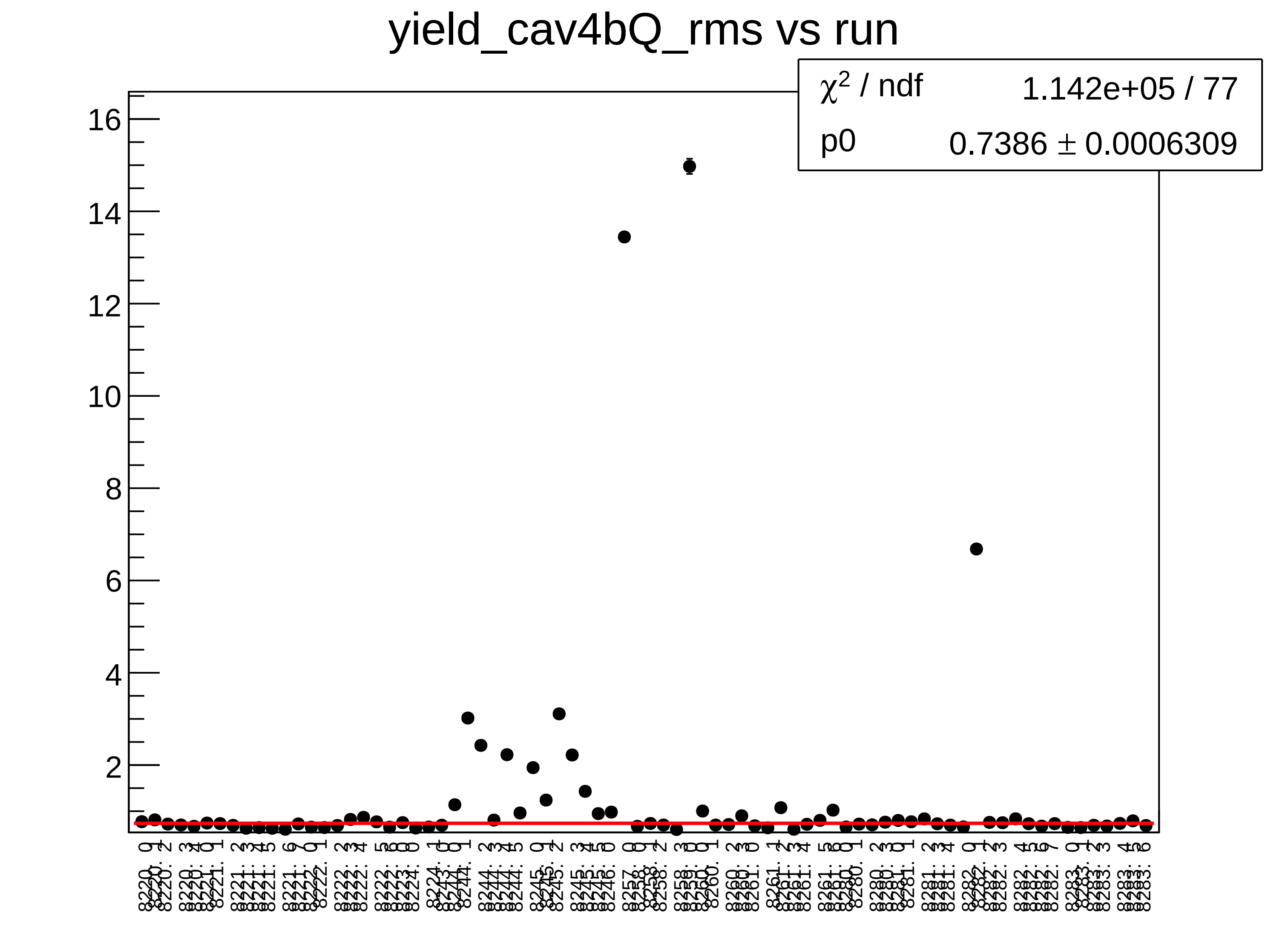
yield_bcm_dg_us_rms vs run
χ^2 / ndf 4.439e+04 / 77
p0 0.6154 ± 0.0005127
16
14
12
10
8
6
4
2

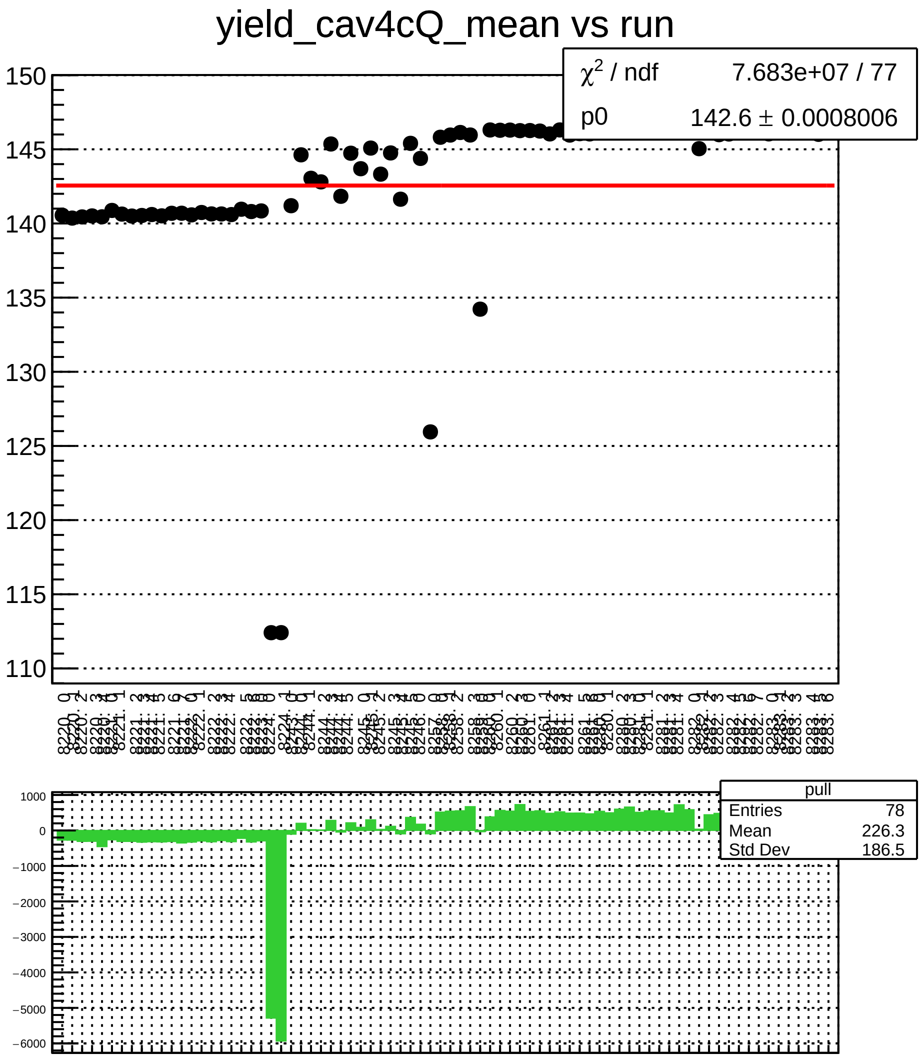

yield_bcm_dg_ds_mean vs run
χ^2 / ndf 6.14e+07 / 77
p0 144.1± 0.0007347
pull
Entries 78
Mean 244.9
Std Dev 202.6
pull1D
Entries 78
Mean −1.835
Std Dev 4.601


yield_bcm_dg_ds_rms vs run
χ^2 / ndf 4.616e+04 / 77
p0 0.6232 ± 0.0005195

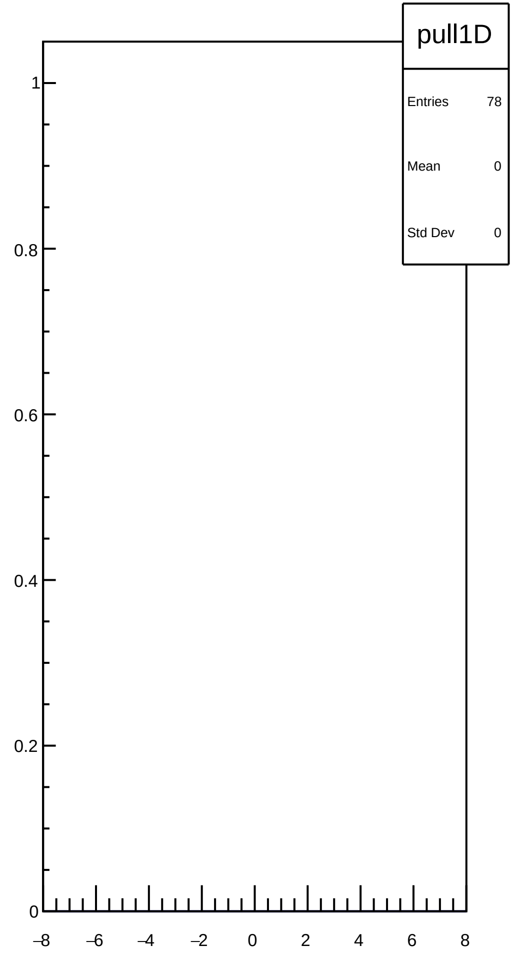


yield_cav4bQ_mean vs run
χ^2 / ndf 5.454e+07 / 77
p0 148.7 ± 0.0008922
pull
Entries 78
Mean 431.2
Std Dev 387.7
pull1D
Entries 78
Mean −0.2413
Std Dev 5.455


yield_cav4bQ_rms vs run
χ^2 / ndf 1.142e+05 / 77
p0 0.7386 ± 0.0006309

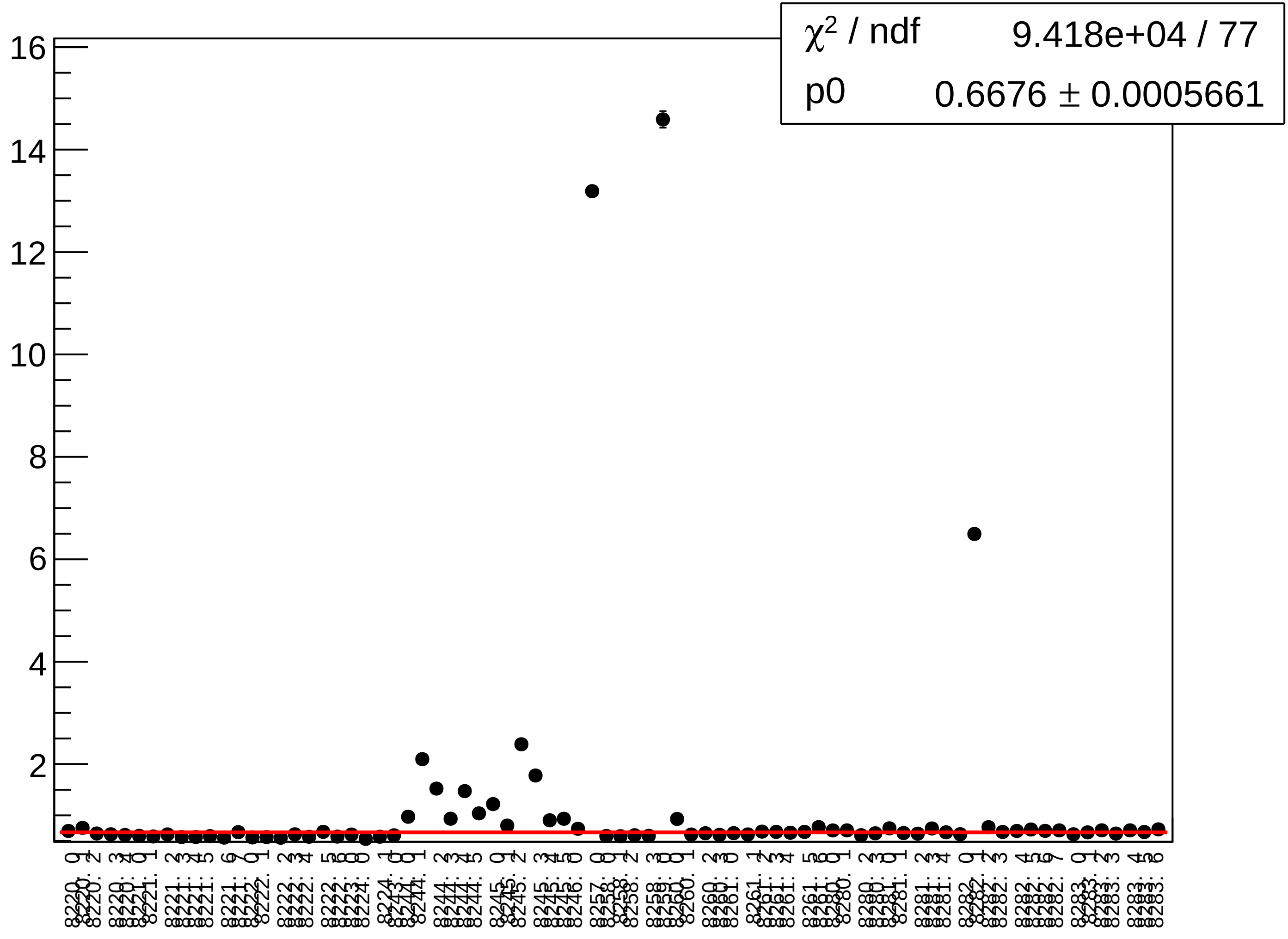


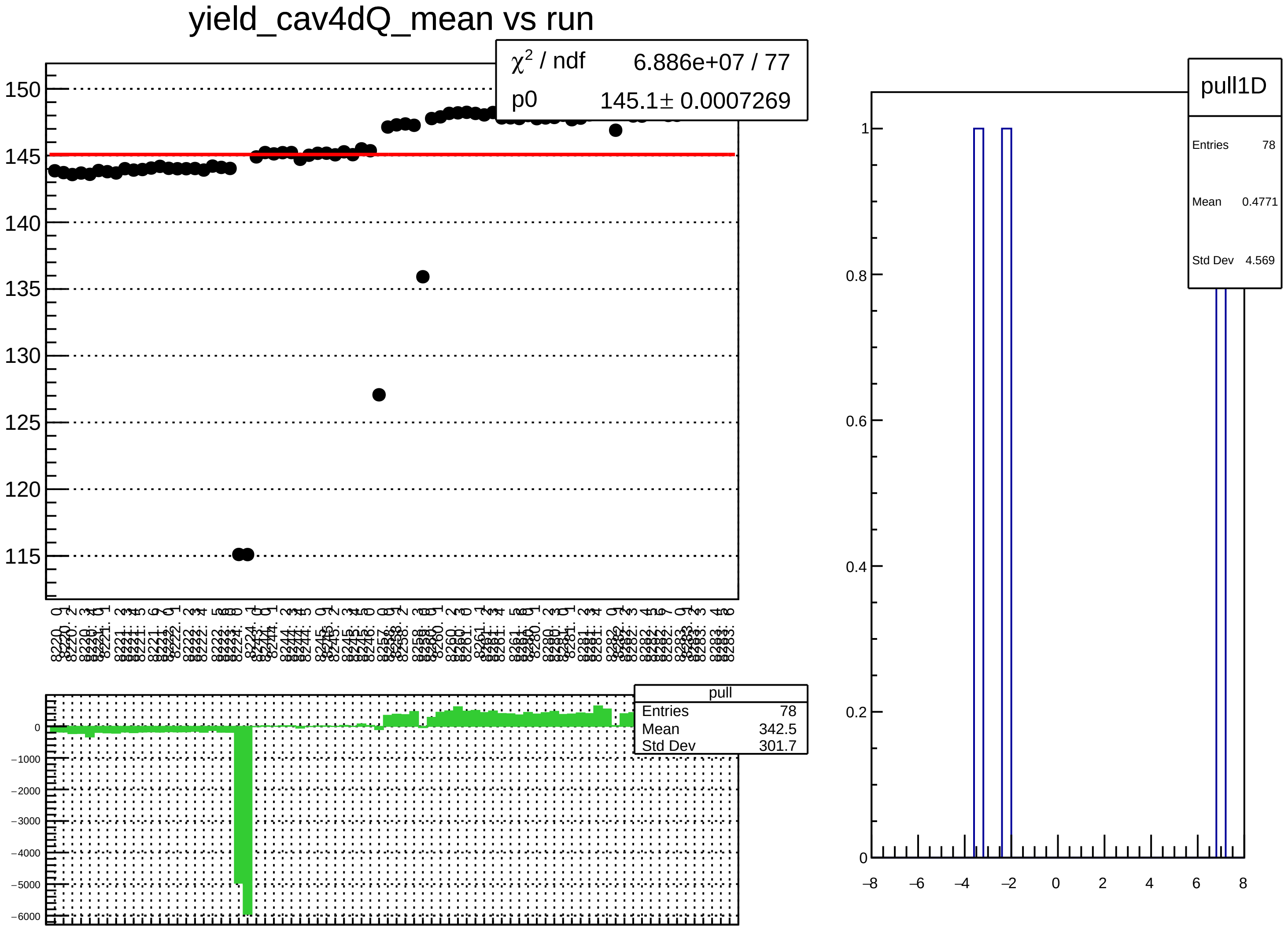
yield_cav4cQ_mean vs run
χ2 / ndf 7.683e+07 / 77
p0 142.6 ± 0.0008006
150
145
140
135
130
125
120
115
110
pull
Entries 78
Mean 226.3
Std Dev 186.5
1000
0
−1000
−2000
−3000
−4000
−5000
−6000



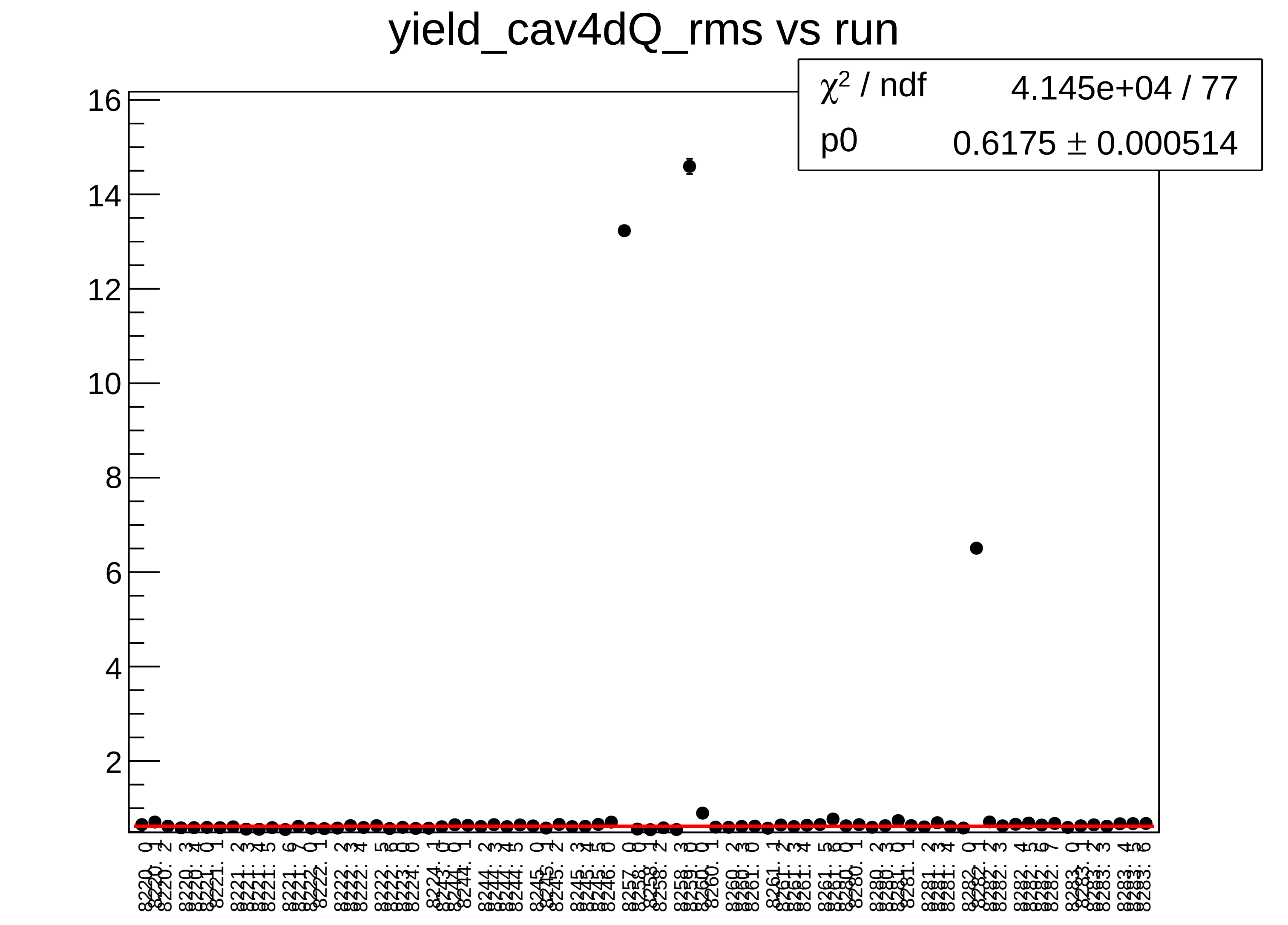
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

yield_cav4cQ_rms vs run

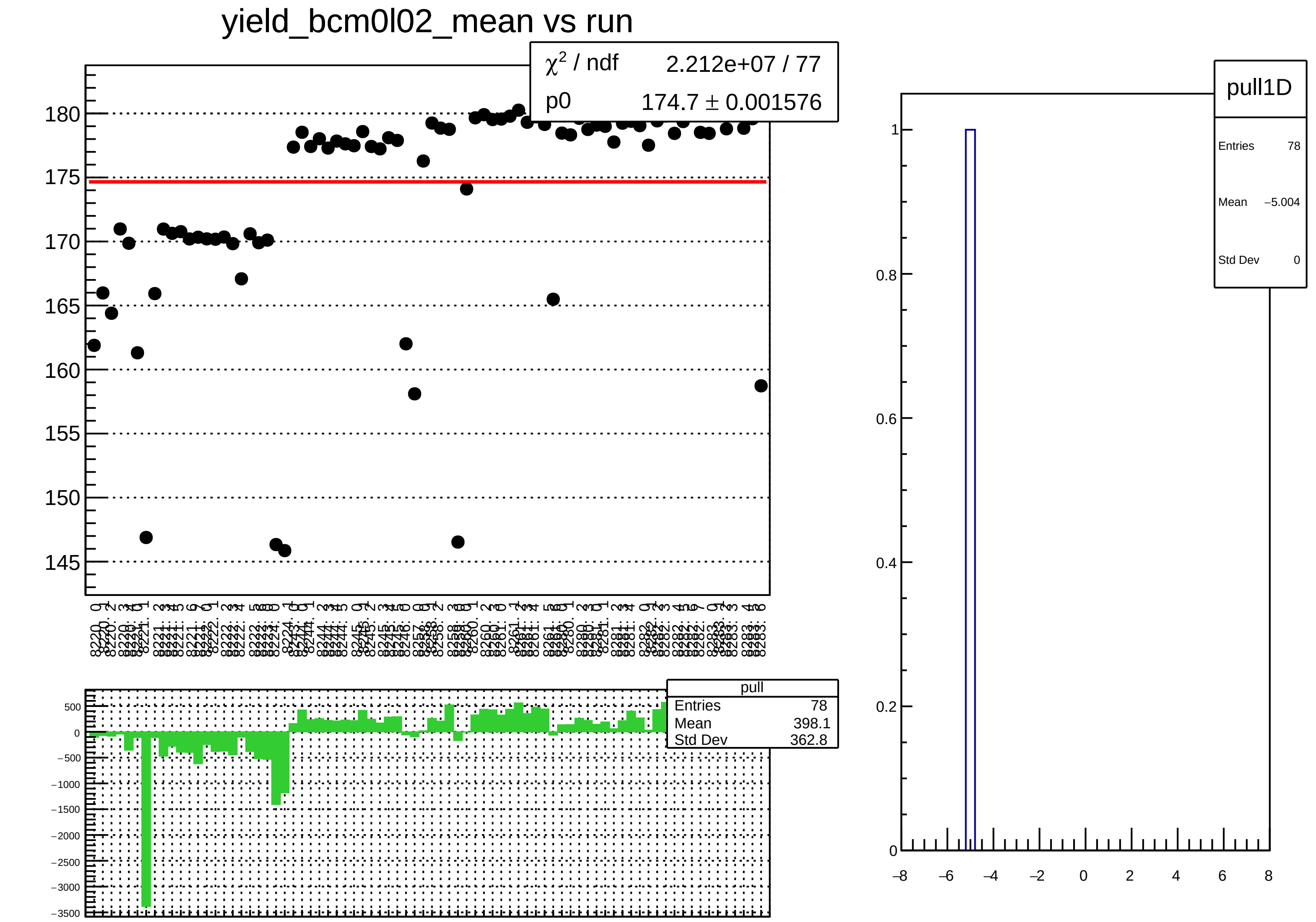




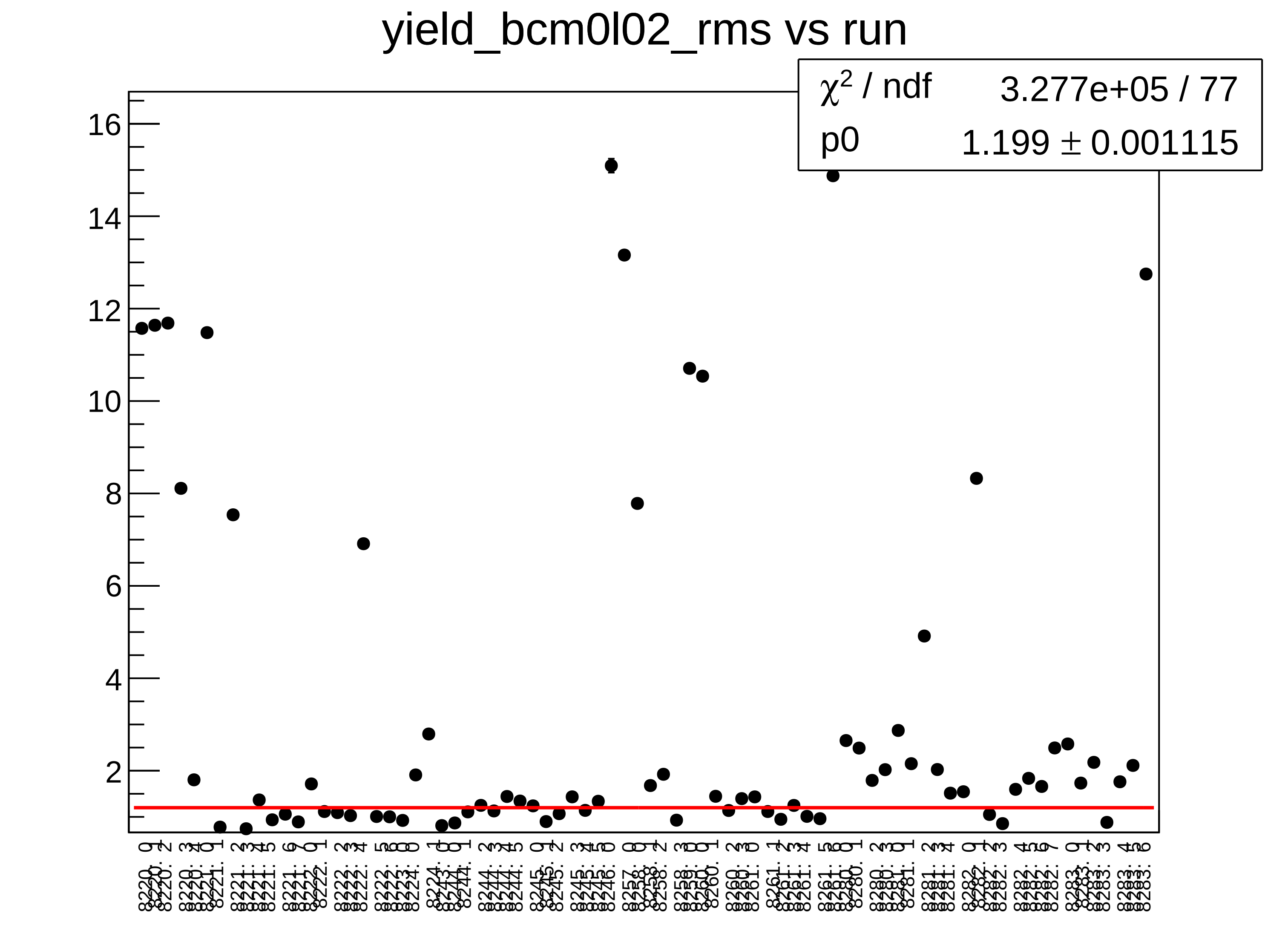
yield_cav4dQ_mean vs run
χ^2 / ndf 6.886e+07 / 77
p0 145.1 ± 0.0007269
150
145
140
135
130
125
120
115
pull
Entries 78
Mean 342.5
Std Dev 301.7
0
−1000
−2000
−3000
−4000
−5000
−6000
pull1D
Entries 78
Mean 0.4771
Std Dev 4.569
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



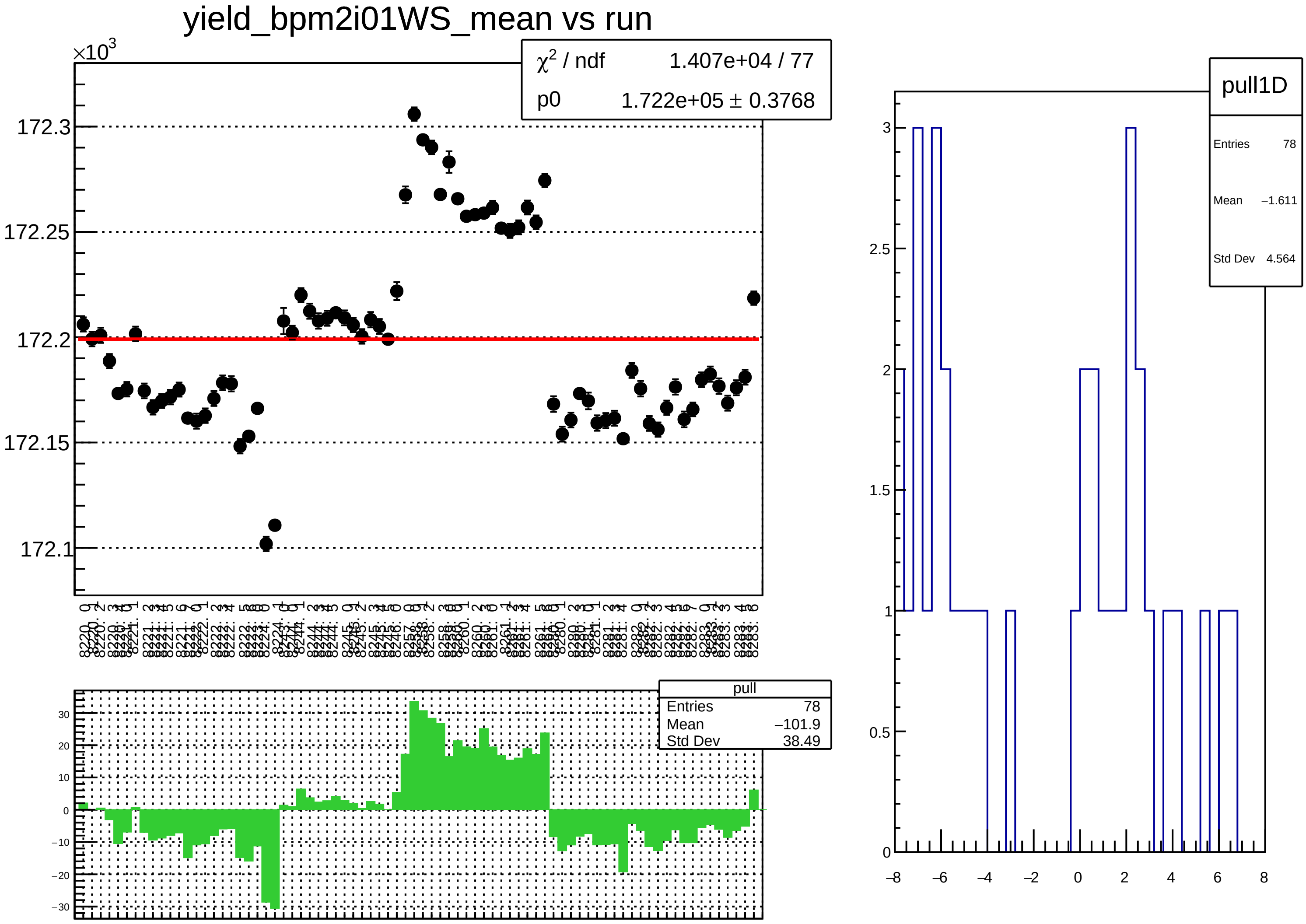
yield_cav4dQ_rms vs run
χ2 / ndf 4.145e+04 / 77
p0 0.6175 ± 0.000514
16
14
12
10
8
6
4
2



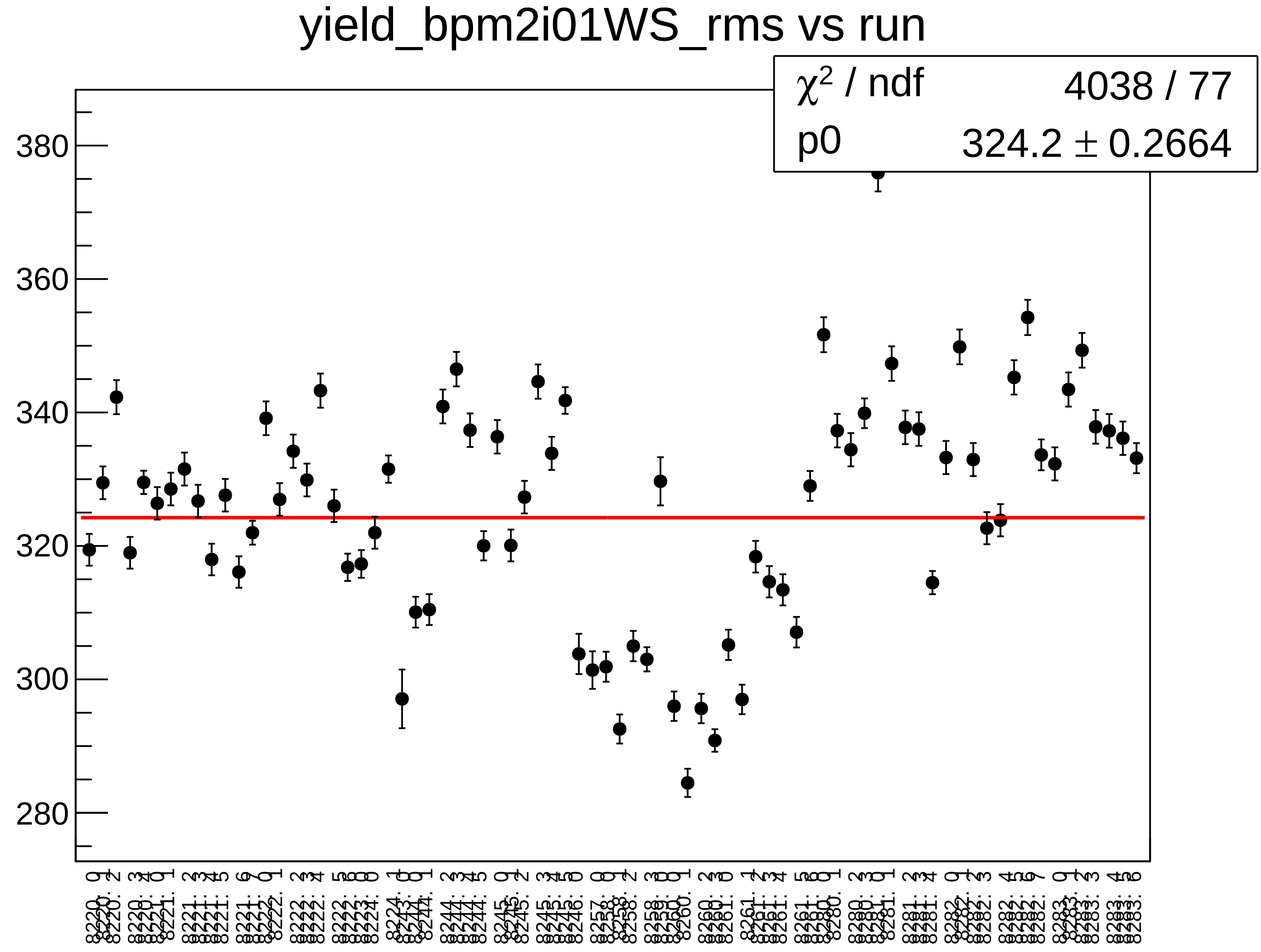
yield_bcm0l02_mean vs run
χ^2 / ndf 2.212e+07 / 77
p0 174.7 ± 0.001576
pull
Entries 78
Mean 398.1
Std Dev 362.8
pull1D
Entries 78
Mean −5.004
Std Dev 0



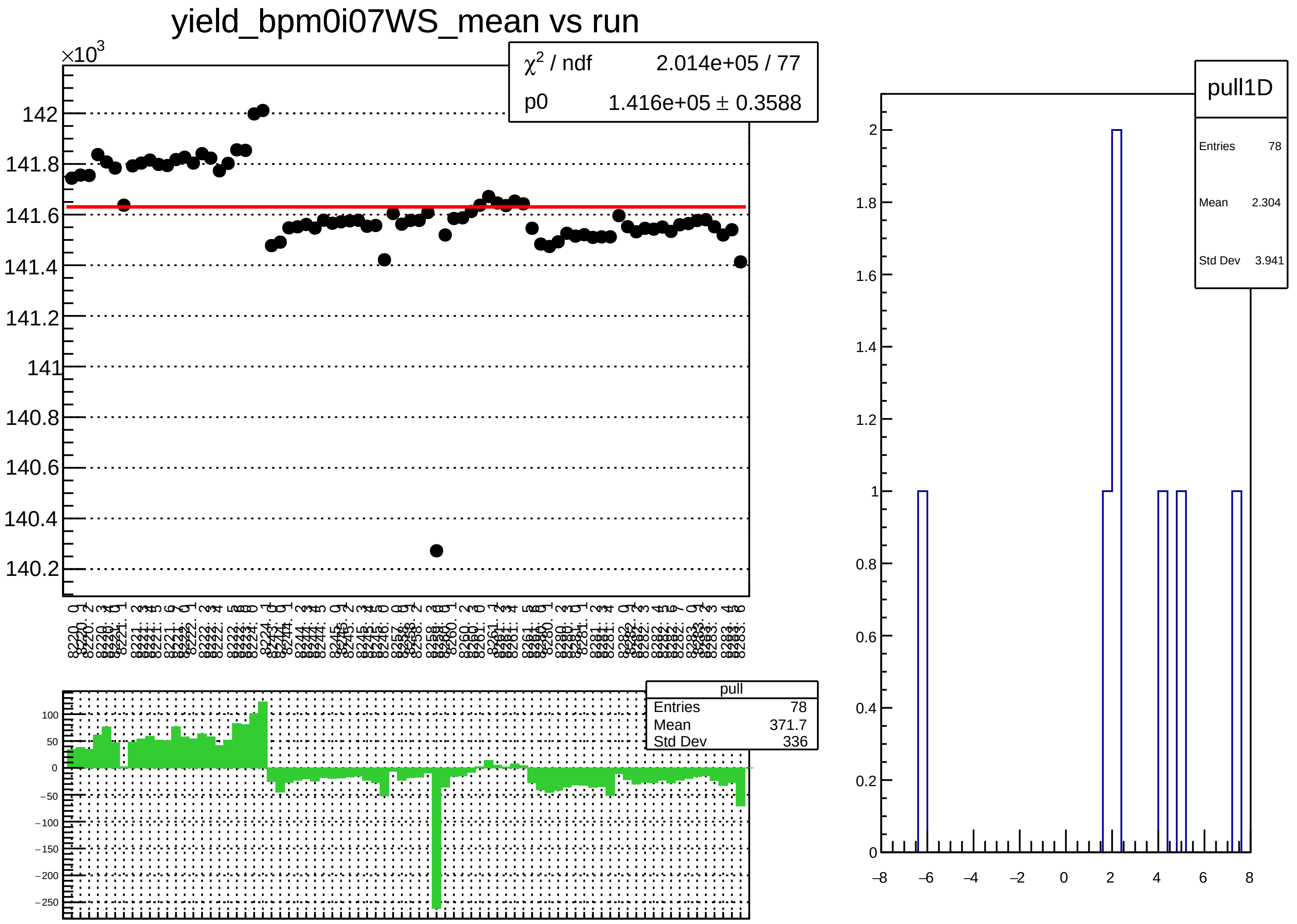
yield_bcm0l02_rms vs run
χ2 / ndf 3.277e+05 / 77
p0 1.199 ± 0.001115



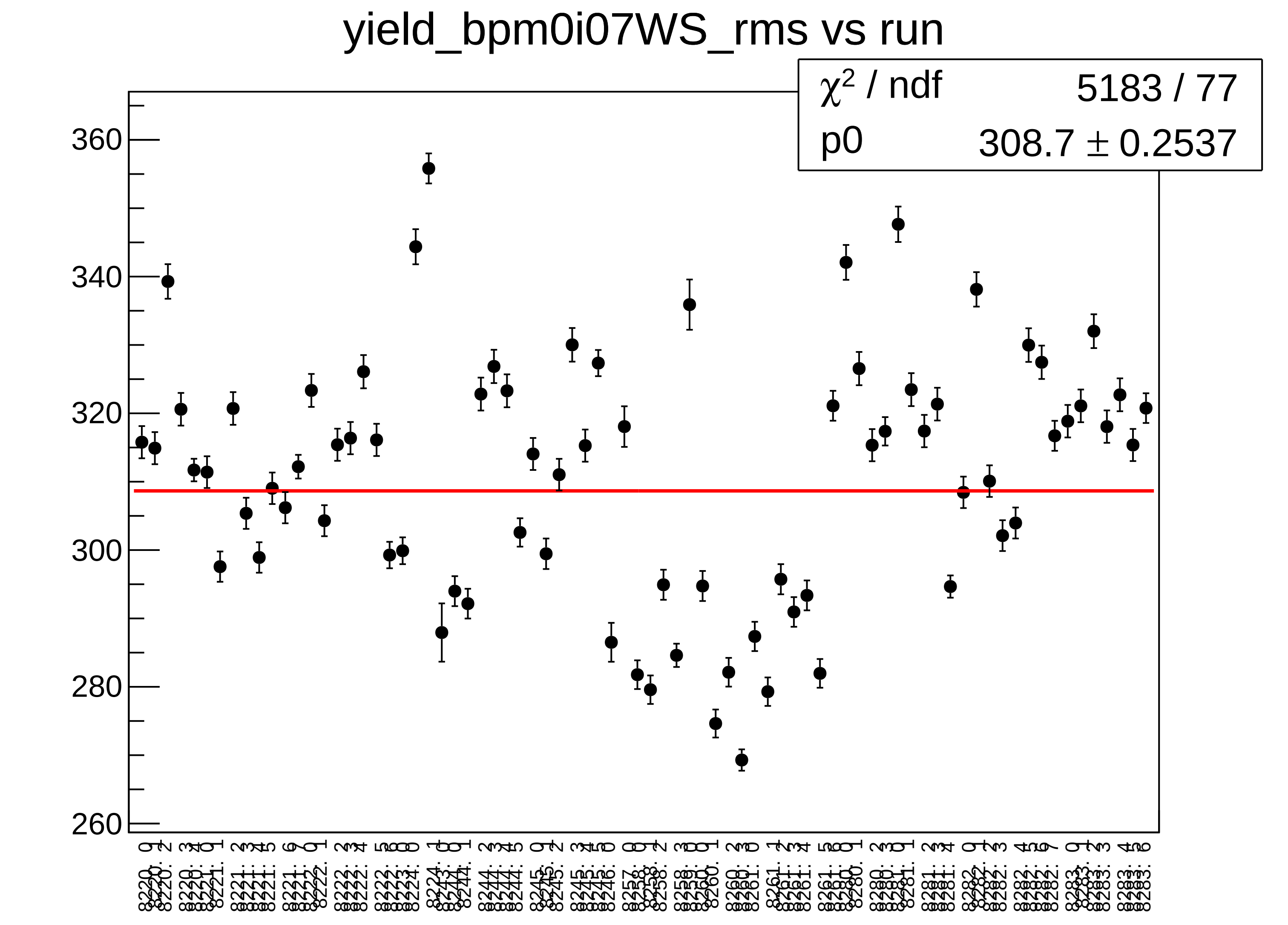
yield_bpm2i01WS_mean vs run
χ2 / ndf 1.407e+04 / 77
p0 1.722e+05 ± 0.3768
pull
Entries 78
Mean −101.9
Std Dev 38.49
pull1D
Entries 78
Mean −1.611
Std Dev 4.564

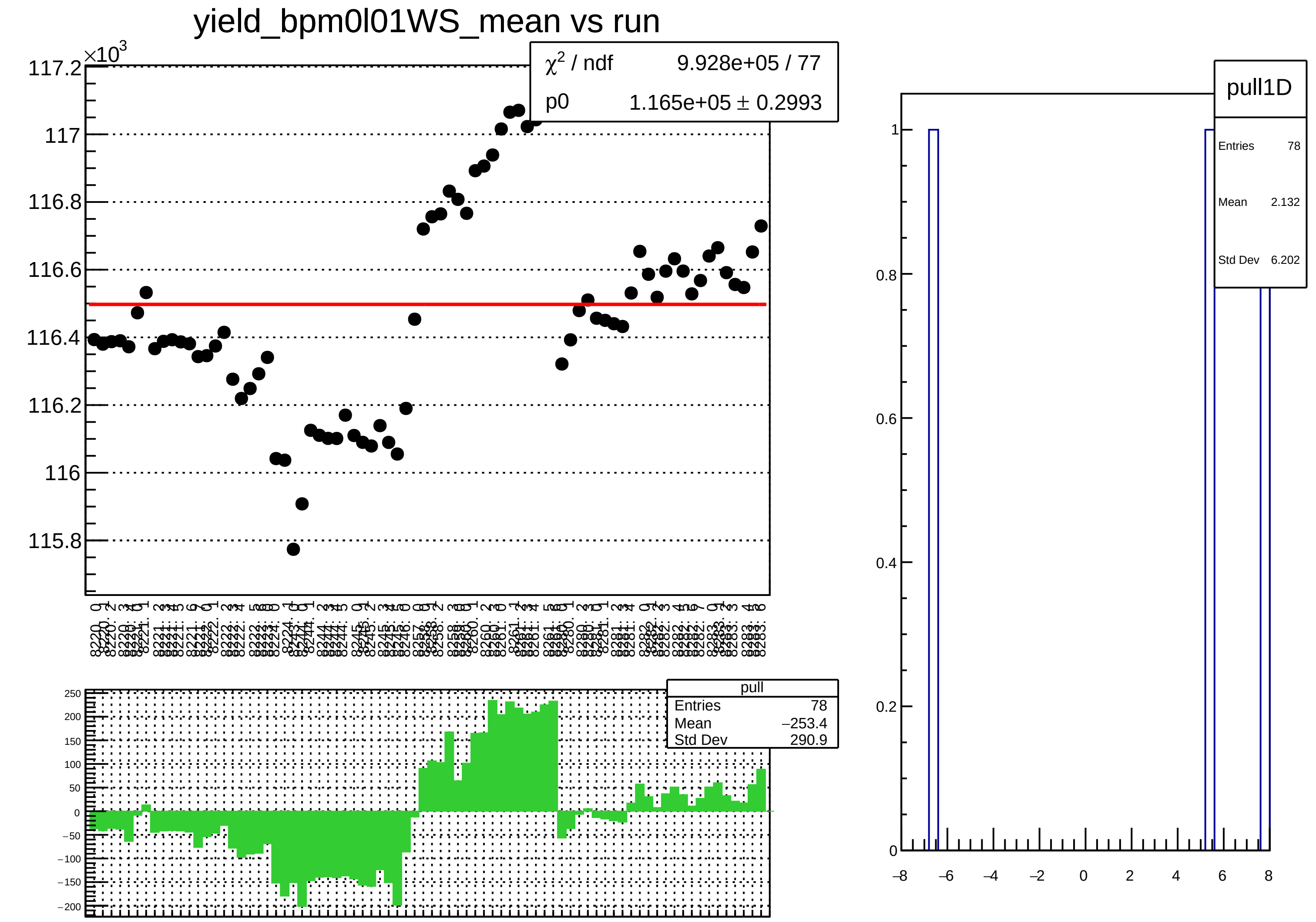


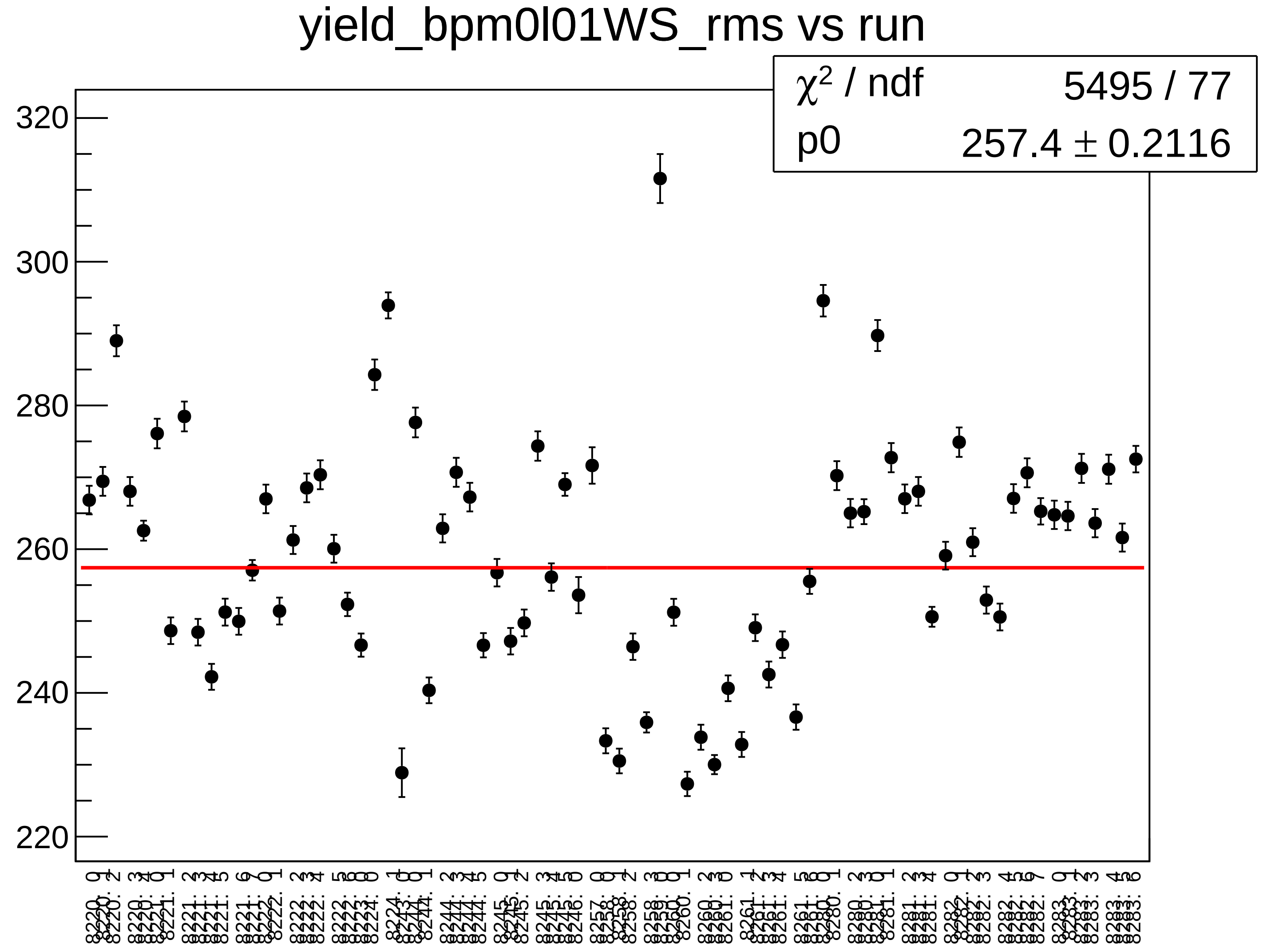
yield_bpm2i01WS_rms vs run
χ^2 / ndf 4038 / 77
p0 324.2 ± 0.2664
380
360
340
320
300
280

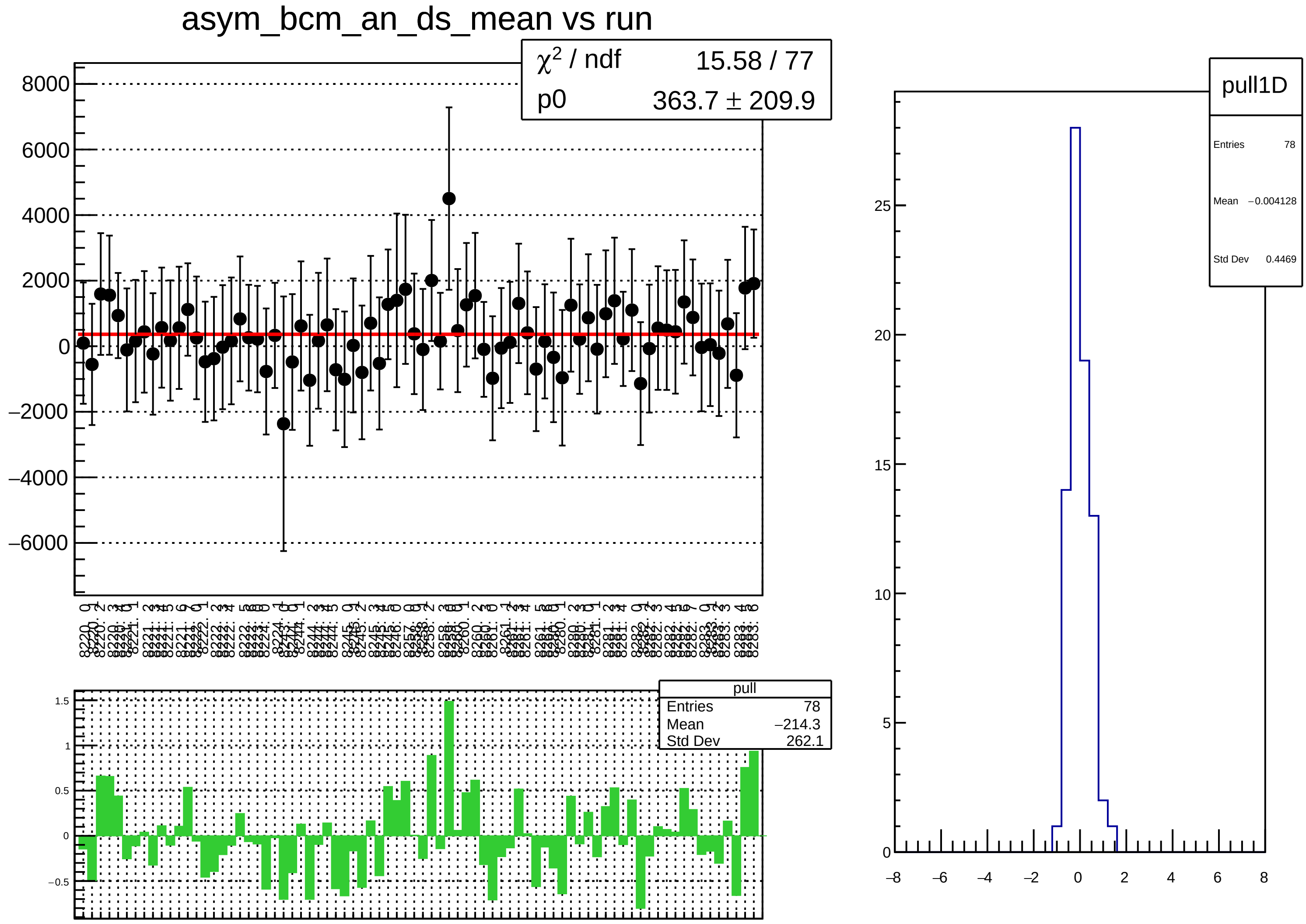


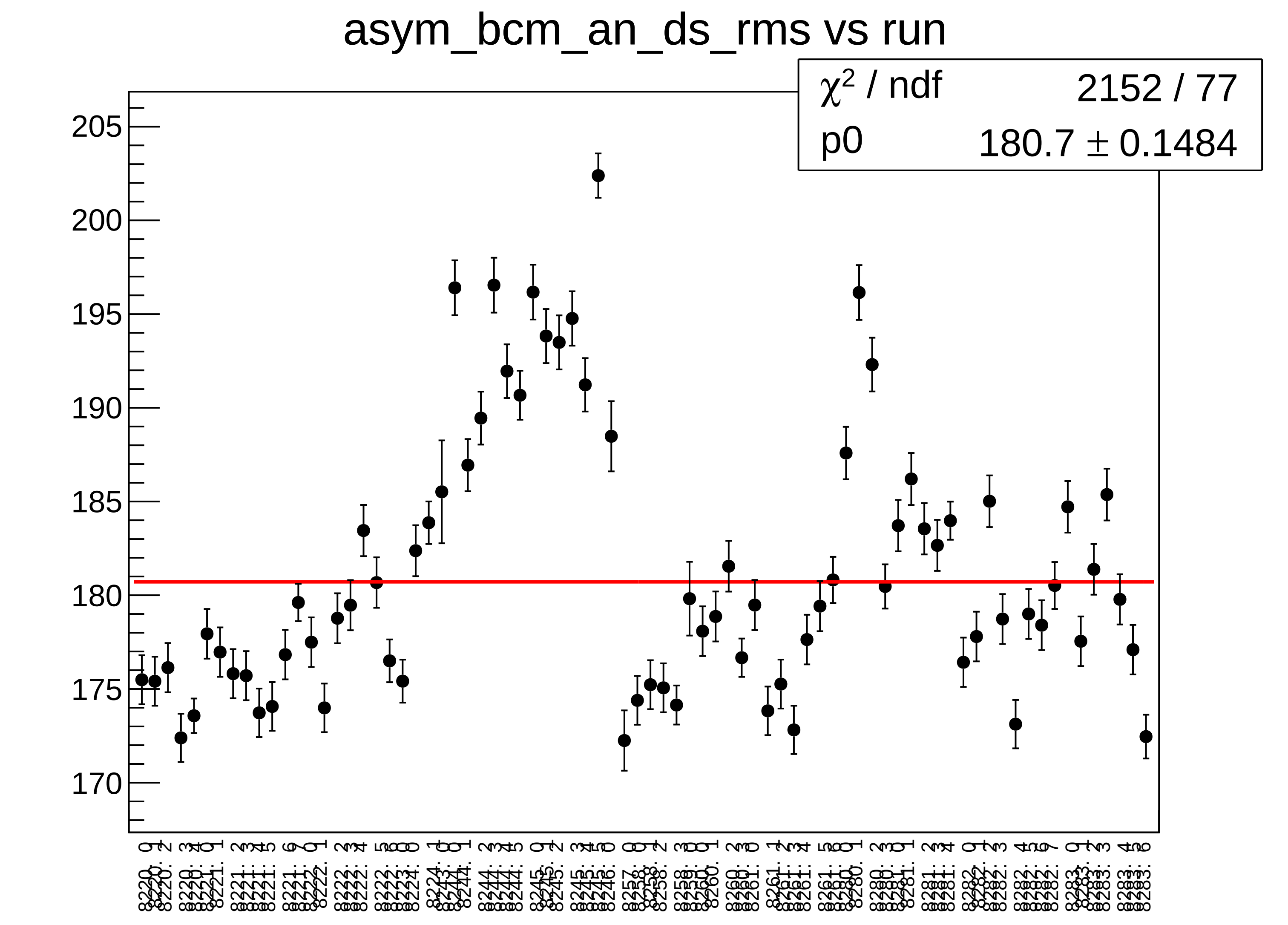
yield_bpm0i07WS_mean vs run
$\times10^3$
χ^2 / ndf 2.014e+05 / 77
p0 1.416e+05 ± 0.3588
pull
Entries 78
Mean 371.7
Std Dev 336
pull1D
Entries 78
Mean 2.304
Std Dev 3.941


yield_bpm0i07WS_rms vs run
χ2 / ndf 5183 / 77
p0 308.7 ± 0.2537
360
340
320
300
280
260

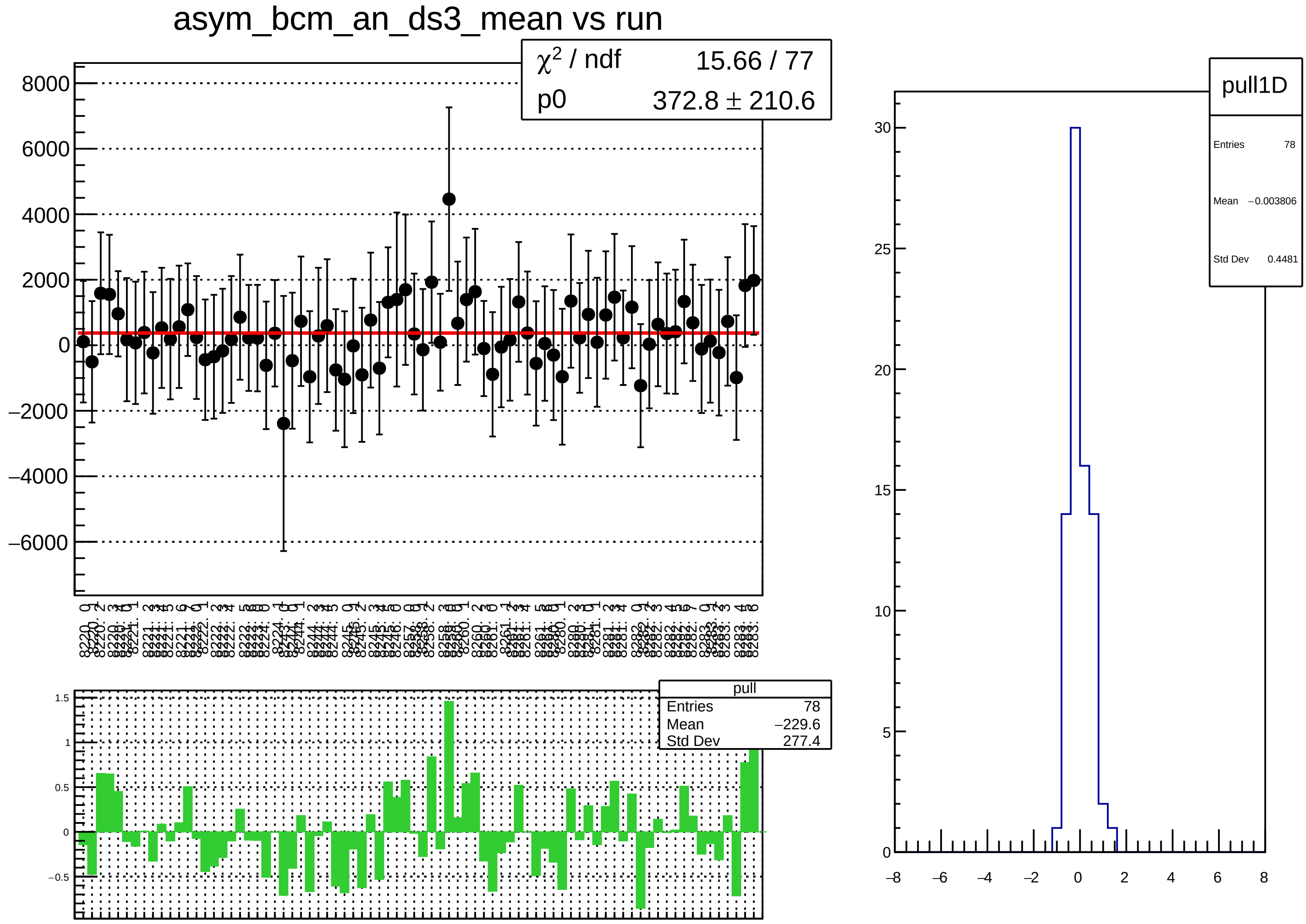

yield_bpm0l01WS_mean vs run
χ² / ndf 9.928e+05 / 77
p0 1.165e+05 ± 0.2993
pull
Entries 78
Mean −253.4
Std Dev 290.9
pull1D
Entries 78
Mean 2.132
Std Dev 6.202


yield_bpm0l01WS_rms vs run
χ^2 / ndf 5495 / 77
p0 257.4 ± 0.2116
320
300
280
260
240
220

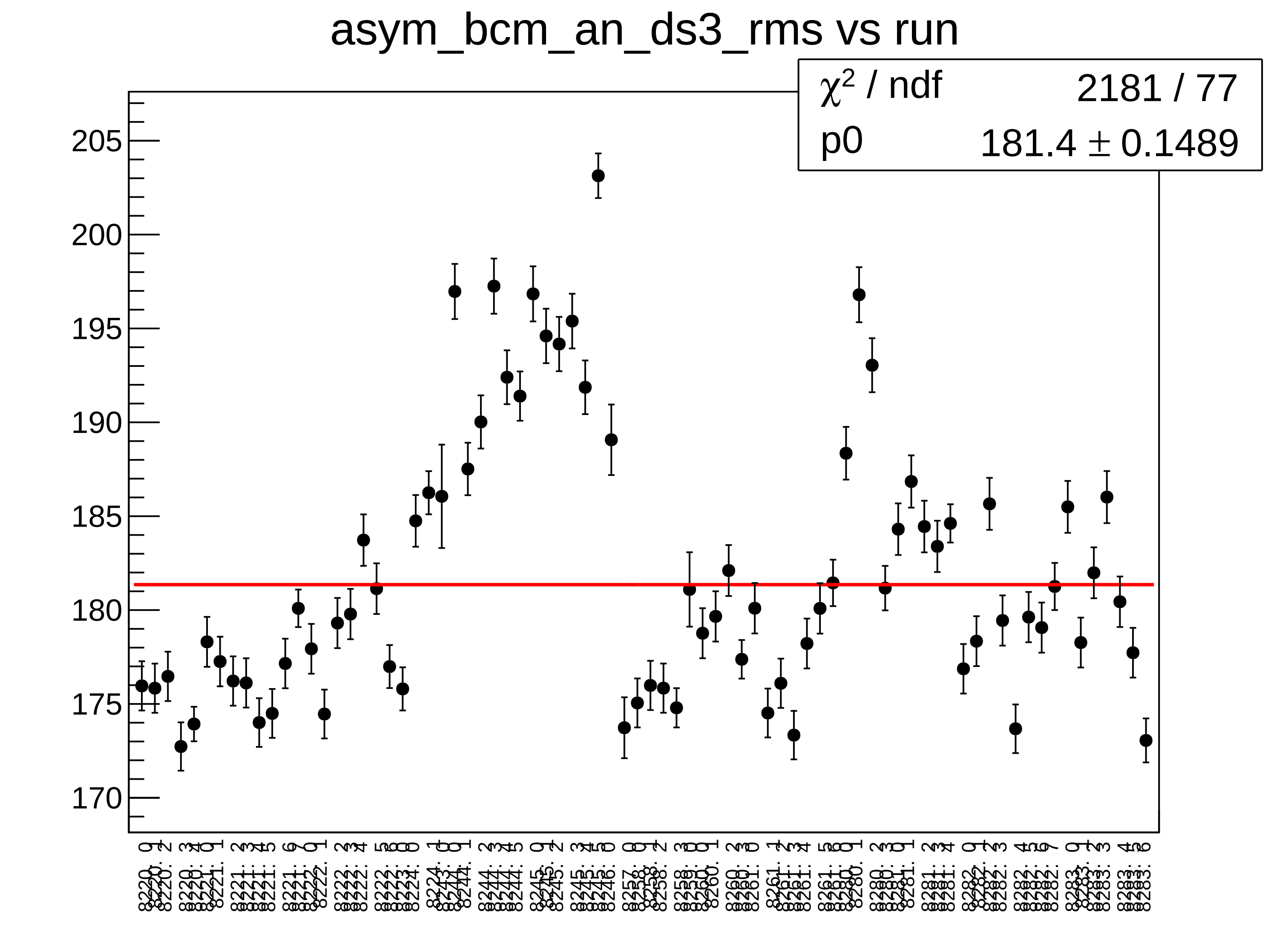

asym_bcm_an_ds_mean vs run
χ^2 / ndf 15.58 / 77
p0 363.7 ± 209.9
pull
Entries 78
Mean −214.3
Std Dev 262.1
pull1D
Entries 78
Mean −0.004128
Std Dev 0.4469

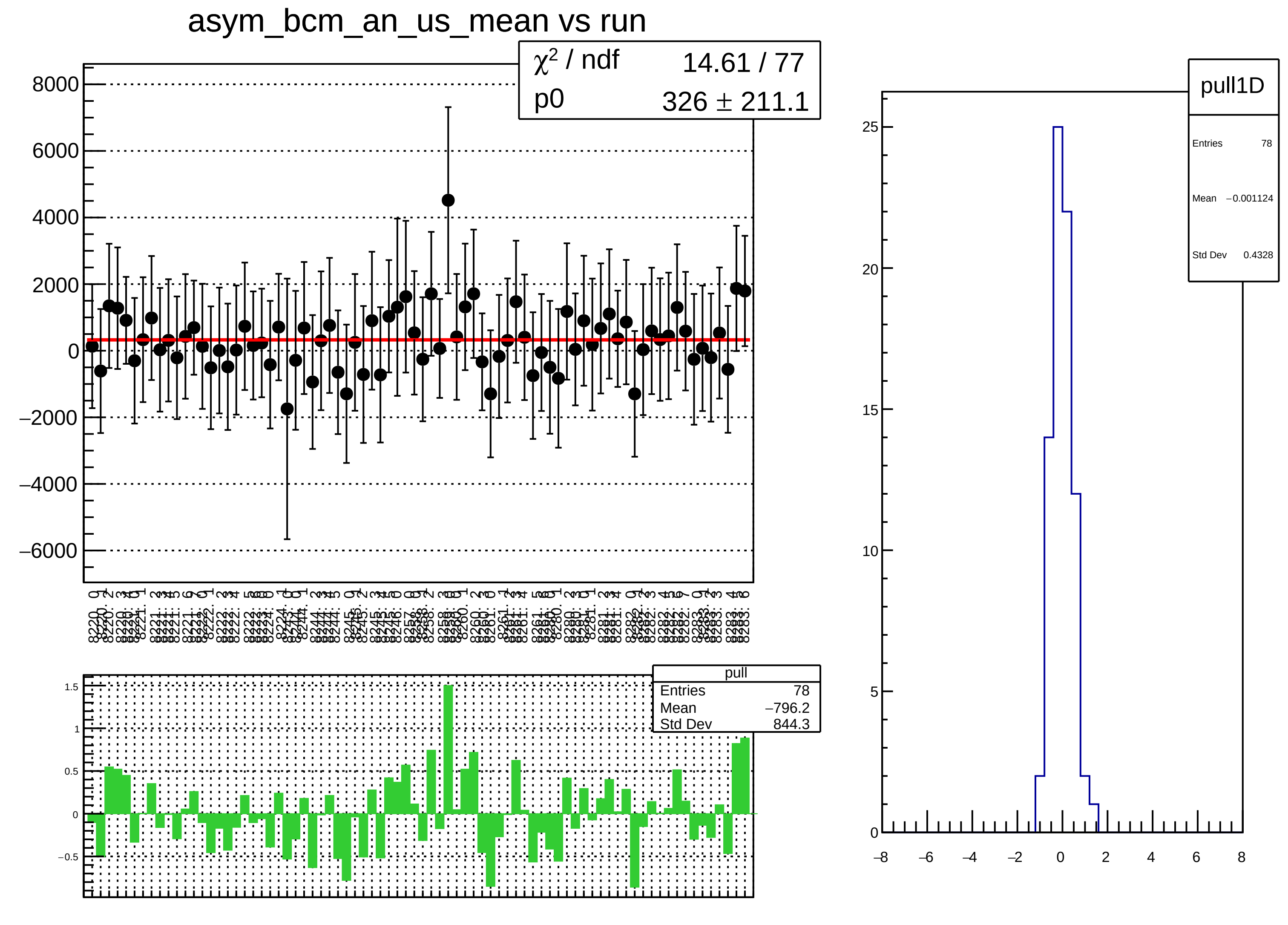


asym_bcm_an_ds_rms vs run
χ^2 / ndf 2152 / 77
p0 180.7 ± 0.1484
205
200
195
190
185
180
175
170

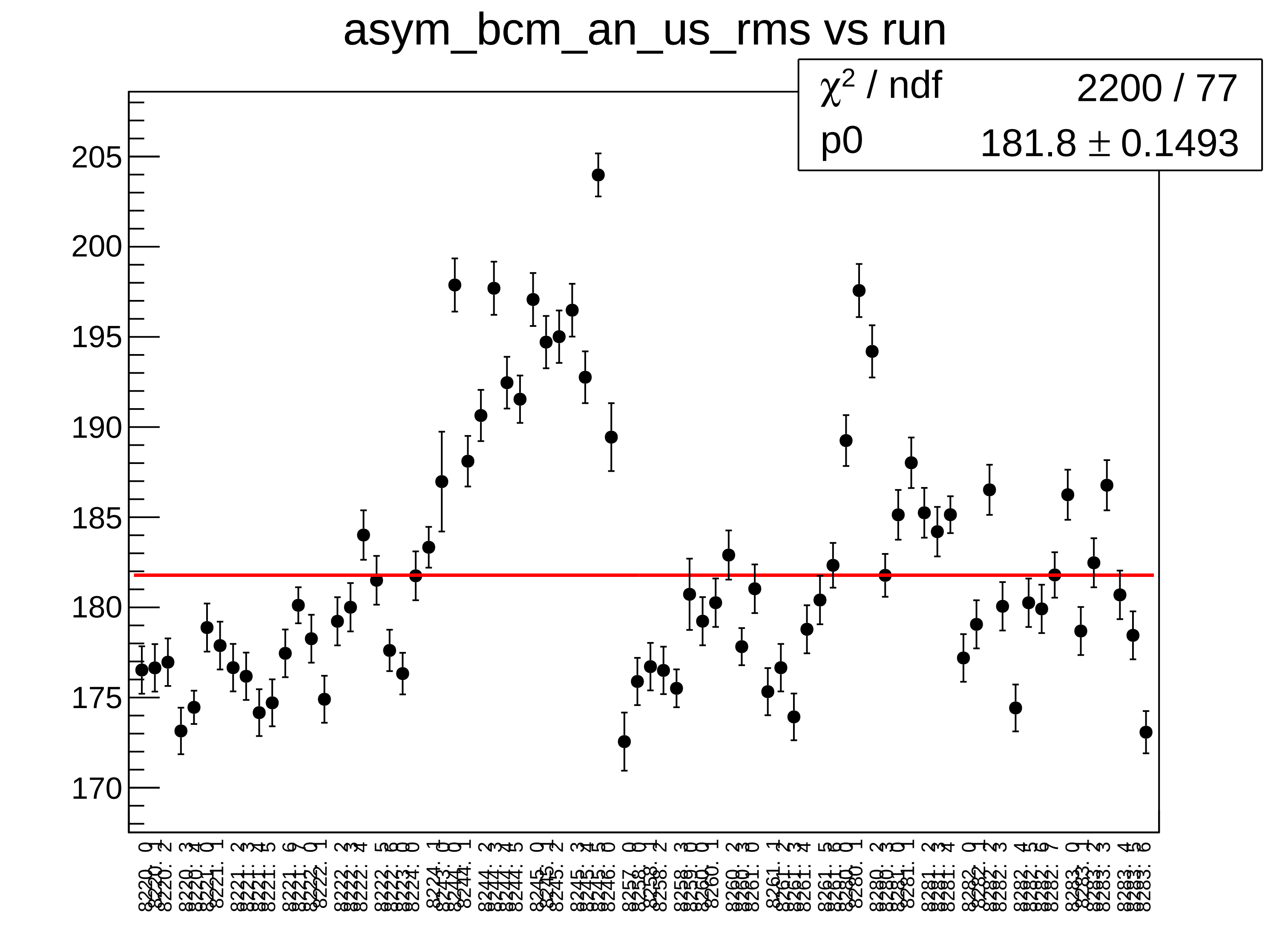


asym_bcm_an_ds3_mean vs run
χ^2 / ndf 15.66 / 77
p0 372.8 ± 210.6
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 78
Mean −229.6
Std Dev 277.4
1.5
1
0.5
0
−0.5
pull1D
Entries 78
Mean −0.003806
Std Dev 0.4481
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

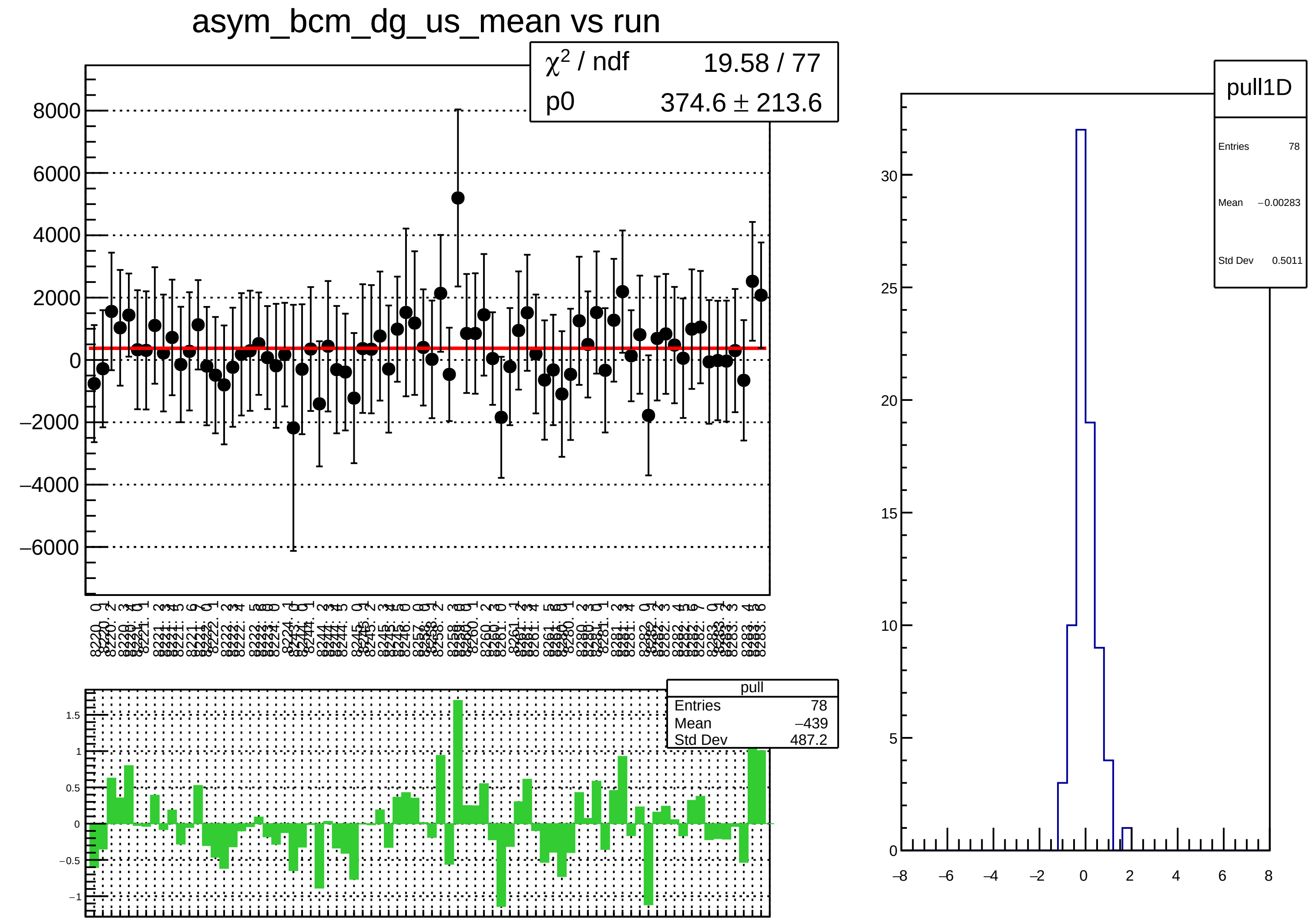

asym_bcm_an_ds3_rms vs run
χ2 / ndf 2181 / 77
p0 181.4 ± 0.1489
205
200
195
190
185
180
175
170



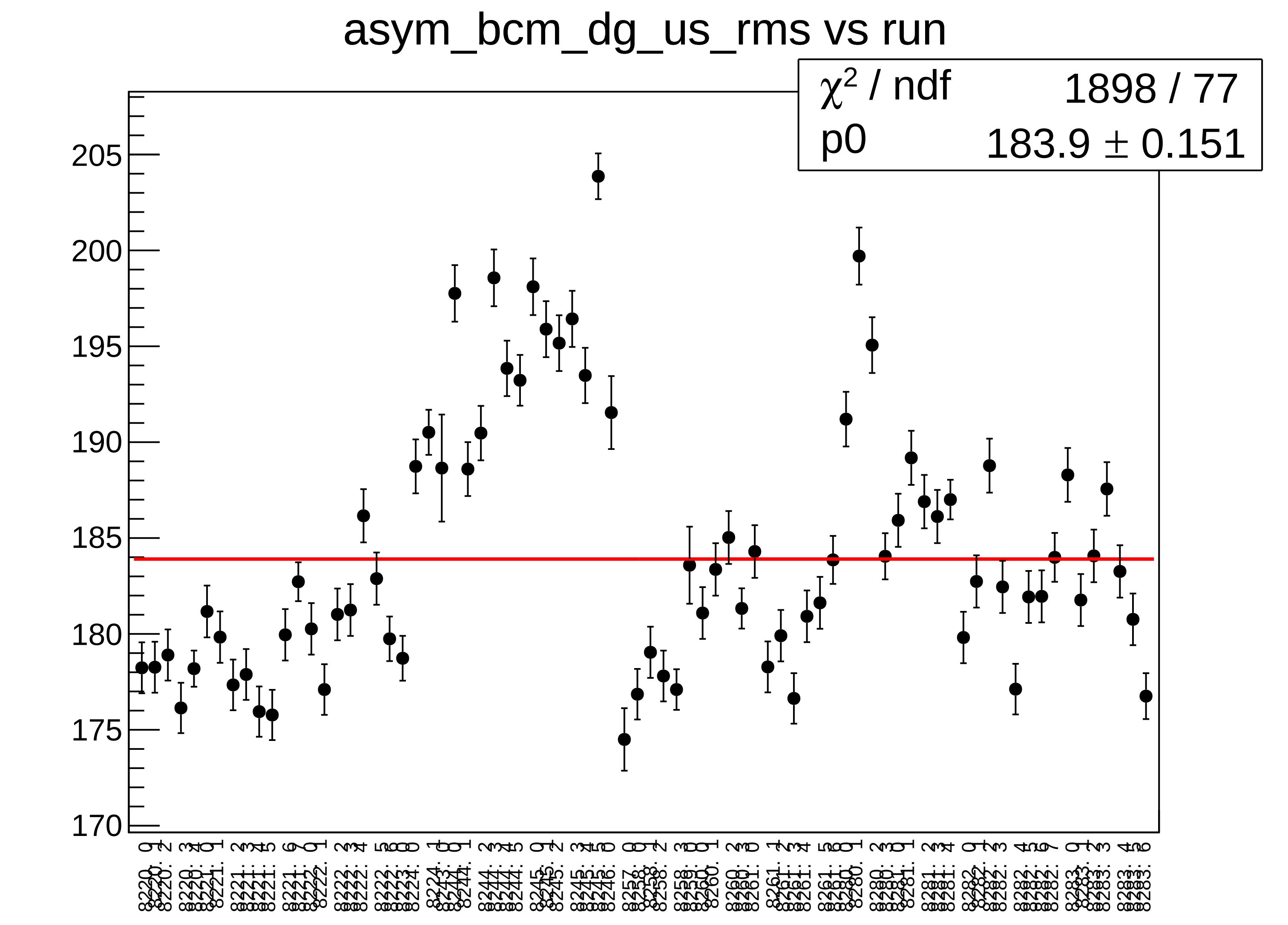
asym_bcm_an_us_mean vs run
χ2 / ndf 14.61 / 77
p0 326 ± 211.1
pull
Entries 78
Mean −796.2
Std Dev 844.3
pull1D
Entries 78
Mean −0.001124
Std Dev 0.4328



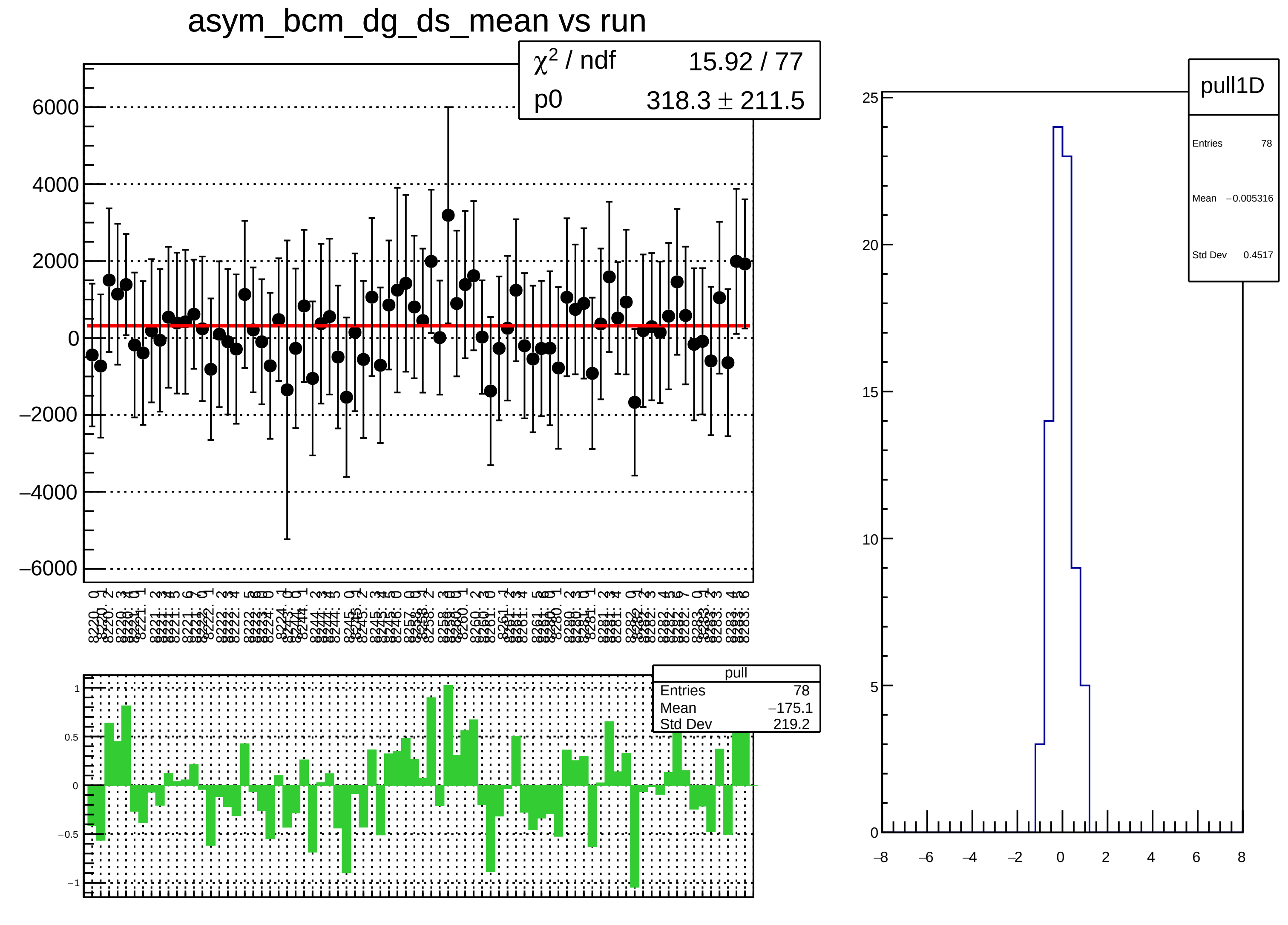
asym_bcm_an_us_rms vs run
χ^2 / ndf 2200 / 77
p0 181.8 ± 0.1493
205
200
195
190
185
180
175
170

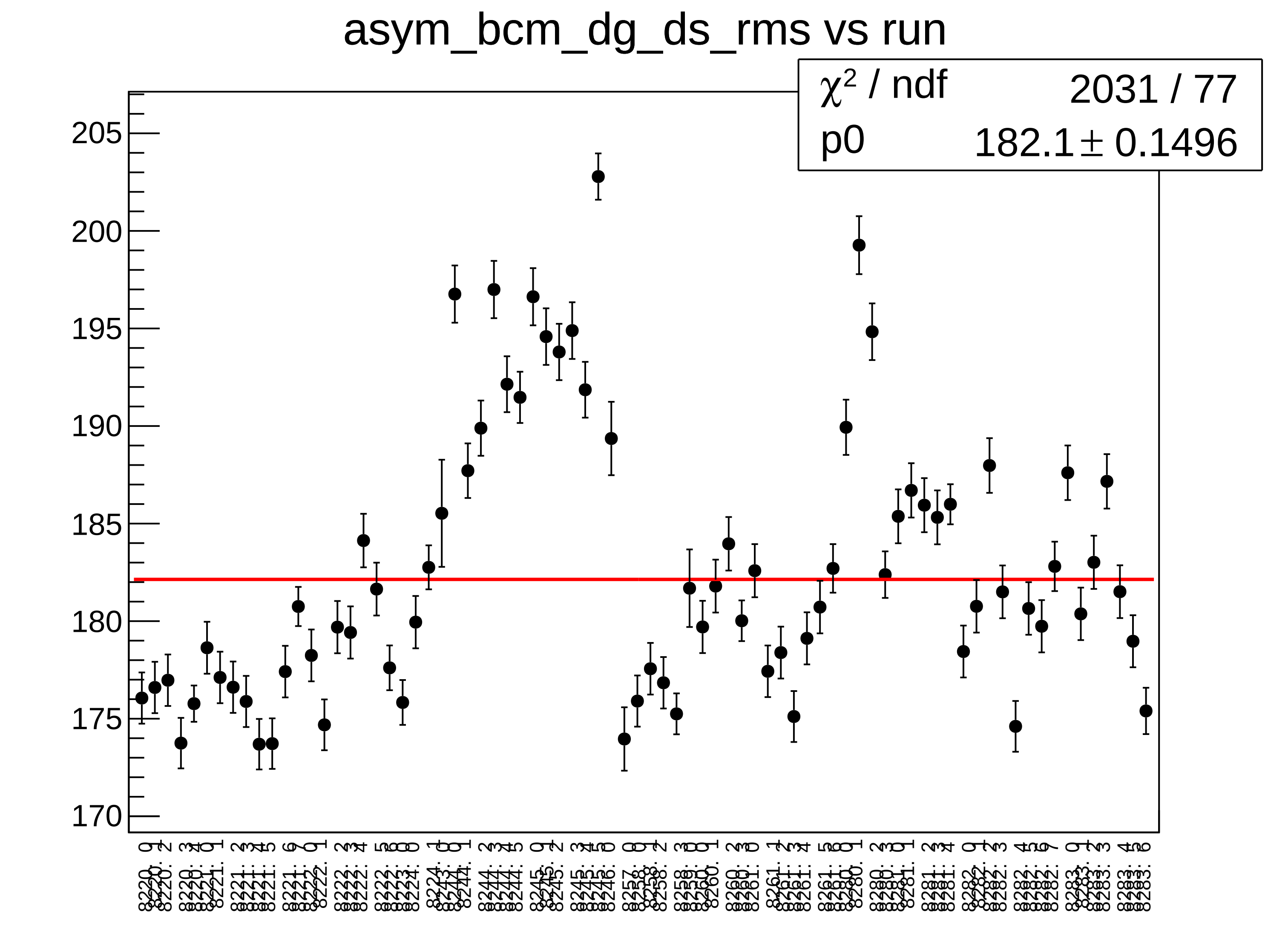


asym_bcm_dg_us_mean vs run
χ2 / ndf 19.58 / 77
p0 374.6 ± 213.6
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 78
Mean −439
Std Dev 487.2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 78
Mean −0.00283
Std Dev 0.5011
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

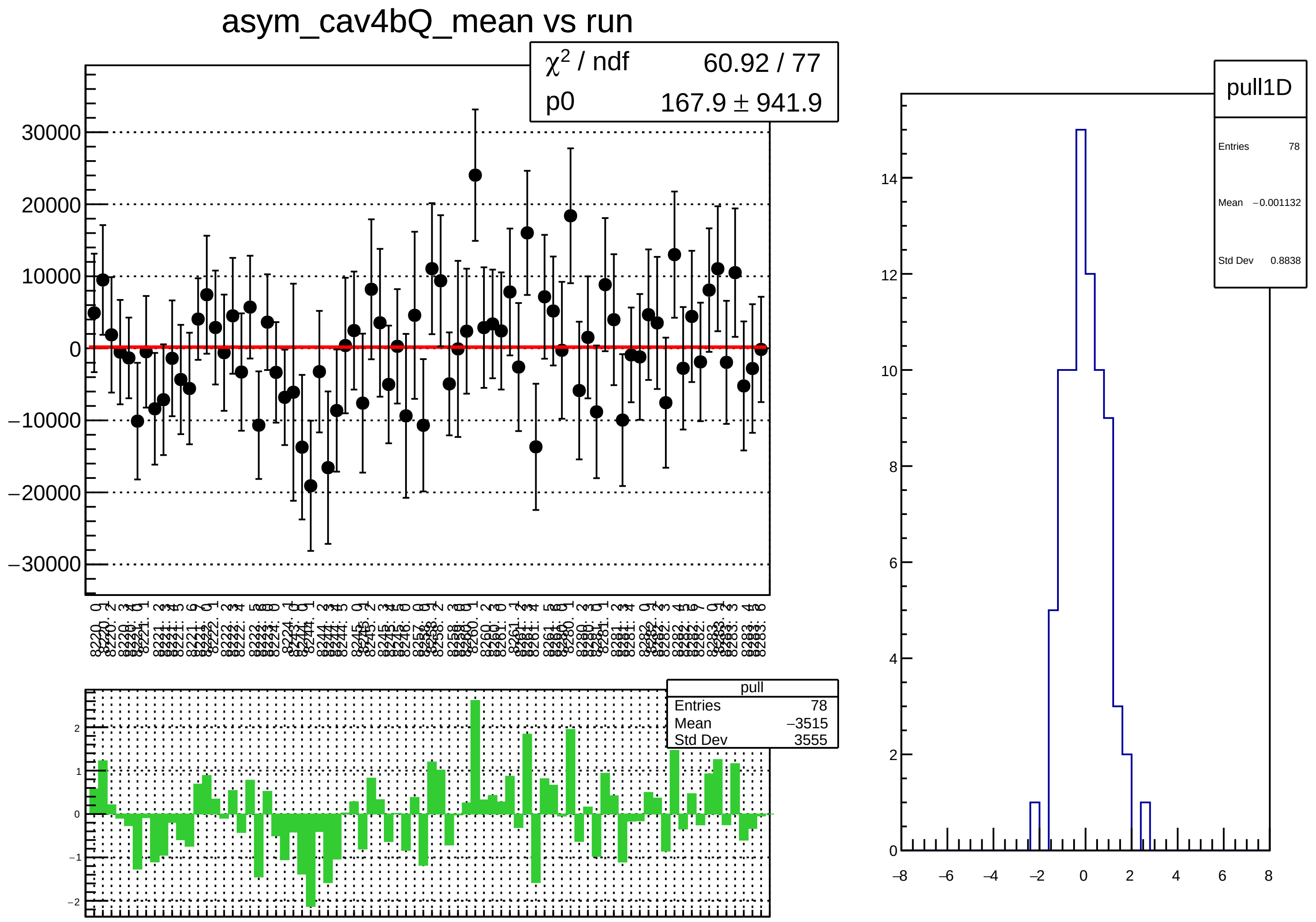


asym_bcm_dg_us_rms vs run
χ2 / ndf 1898 / 77
p0 183.9 ± 0.151
205
200
195
190
185
180
175
170

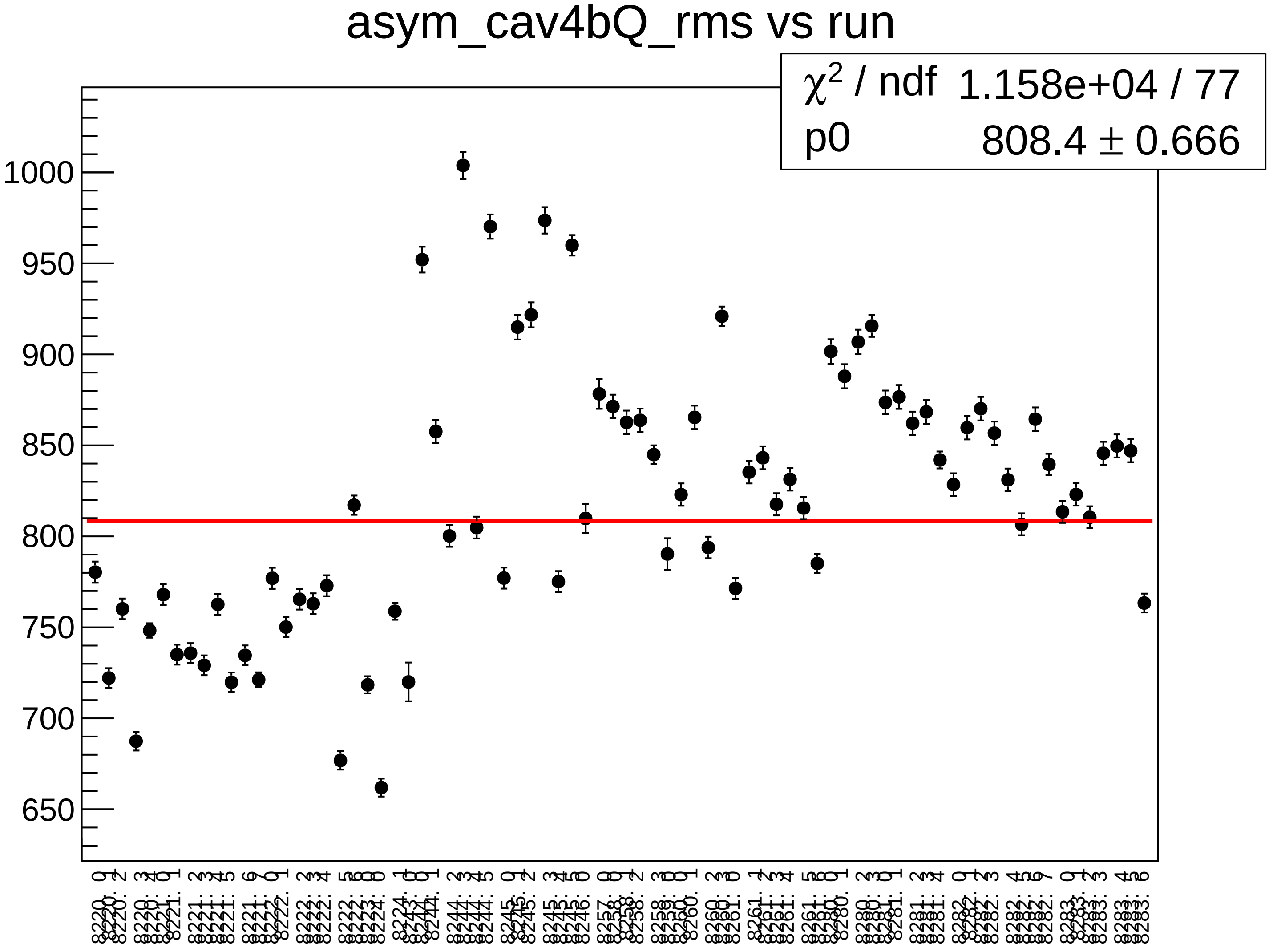

asym_bcm_dg_ds_mean vs run
χ2 / ndf 15.92 / 77
p0 318.3 ± 211.5
pull
Entries 78
Mean −175.1
Std Dev 219.2
pull1D
Entries 78
Mean −0.005316
Std Dev 0.4517



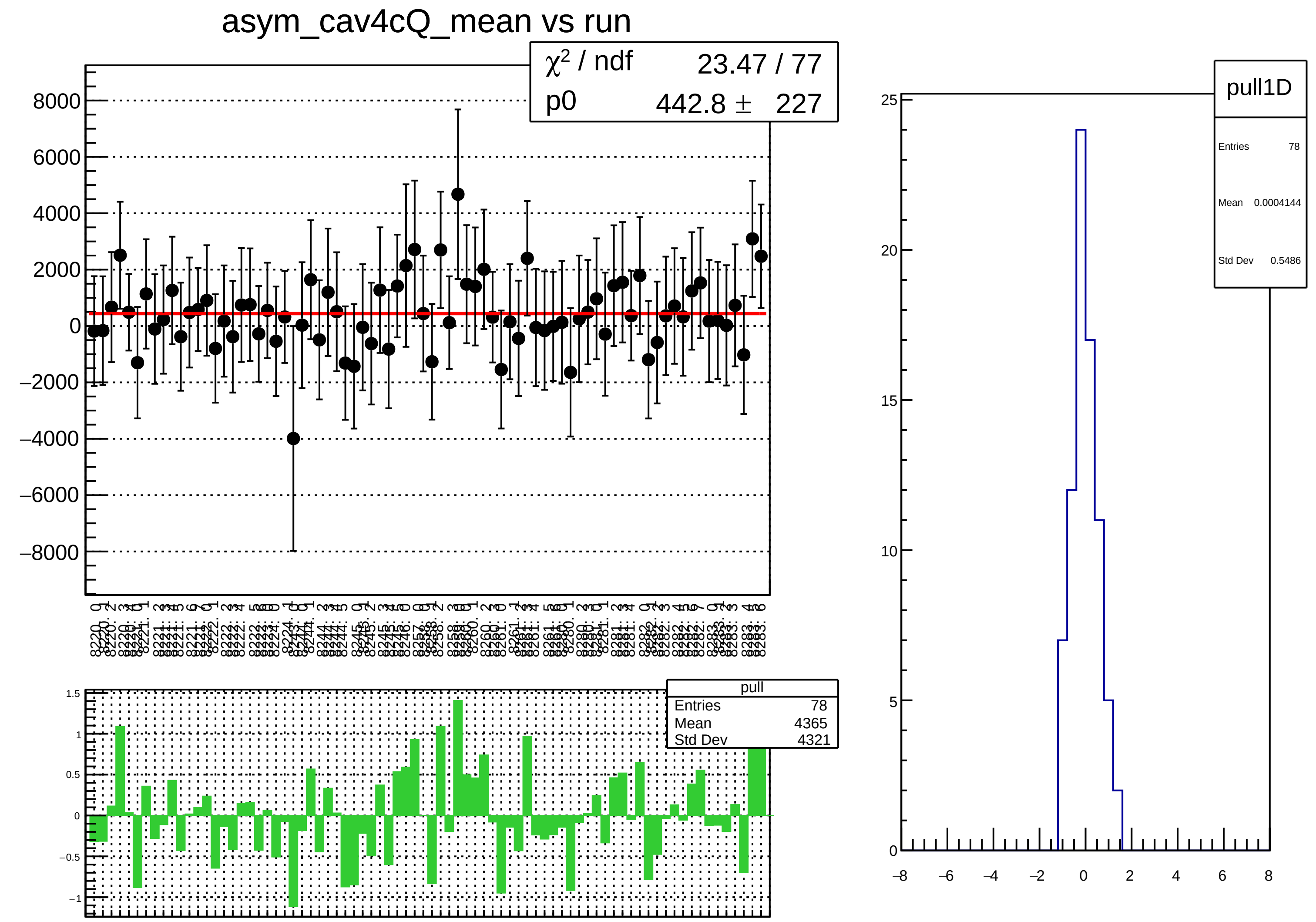
asym_bcm_dg_ds_rms vs run
χ² / ndf 2031 / 77
p0 182.1 ± 0.1496
205
200
195
190
185
180
175
170

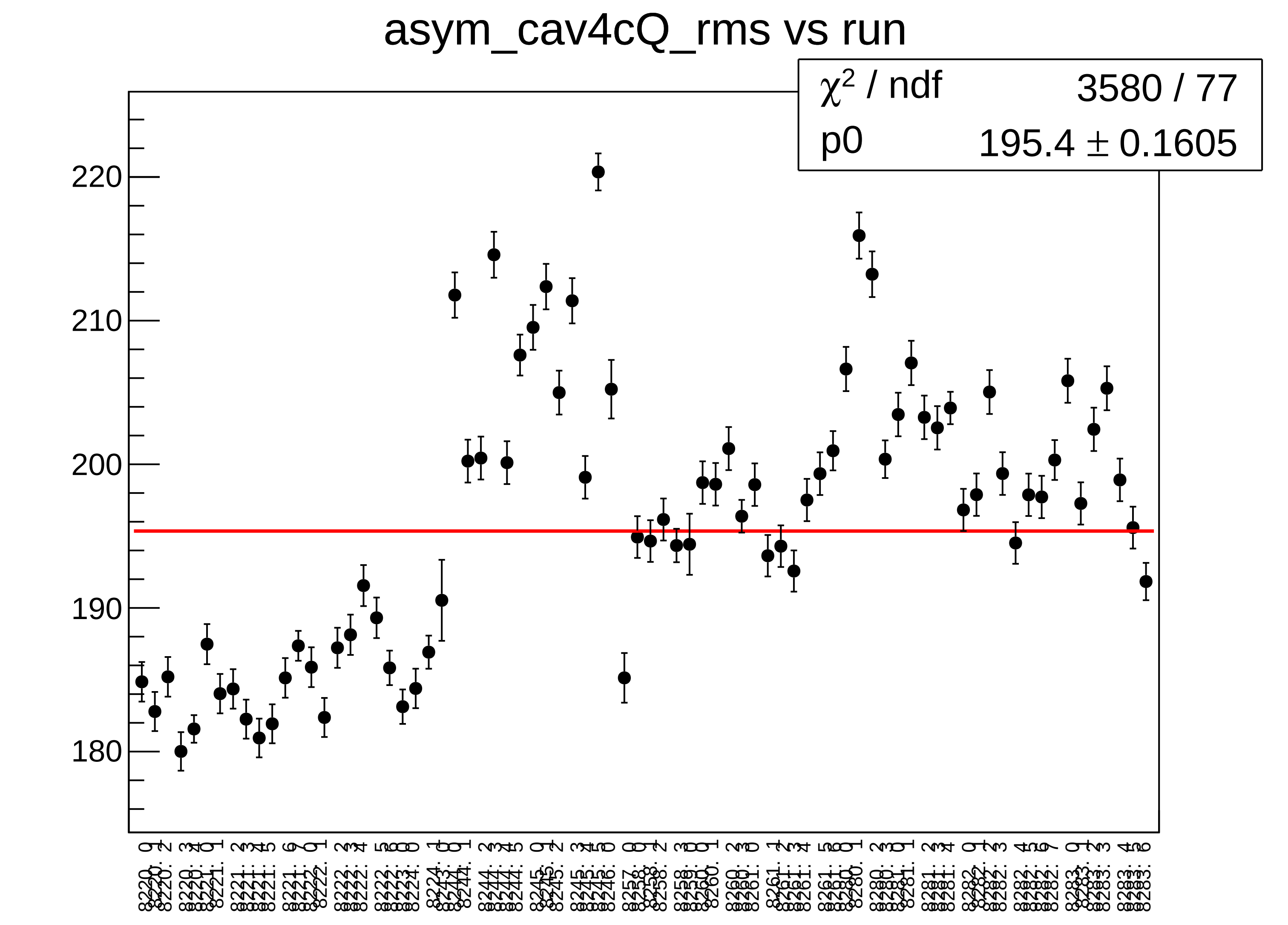


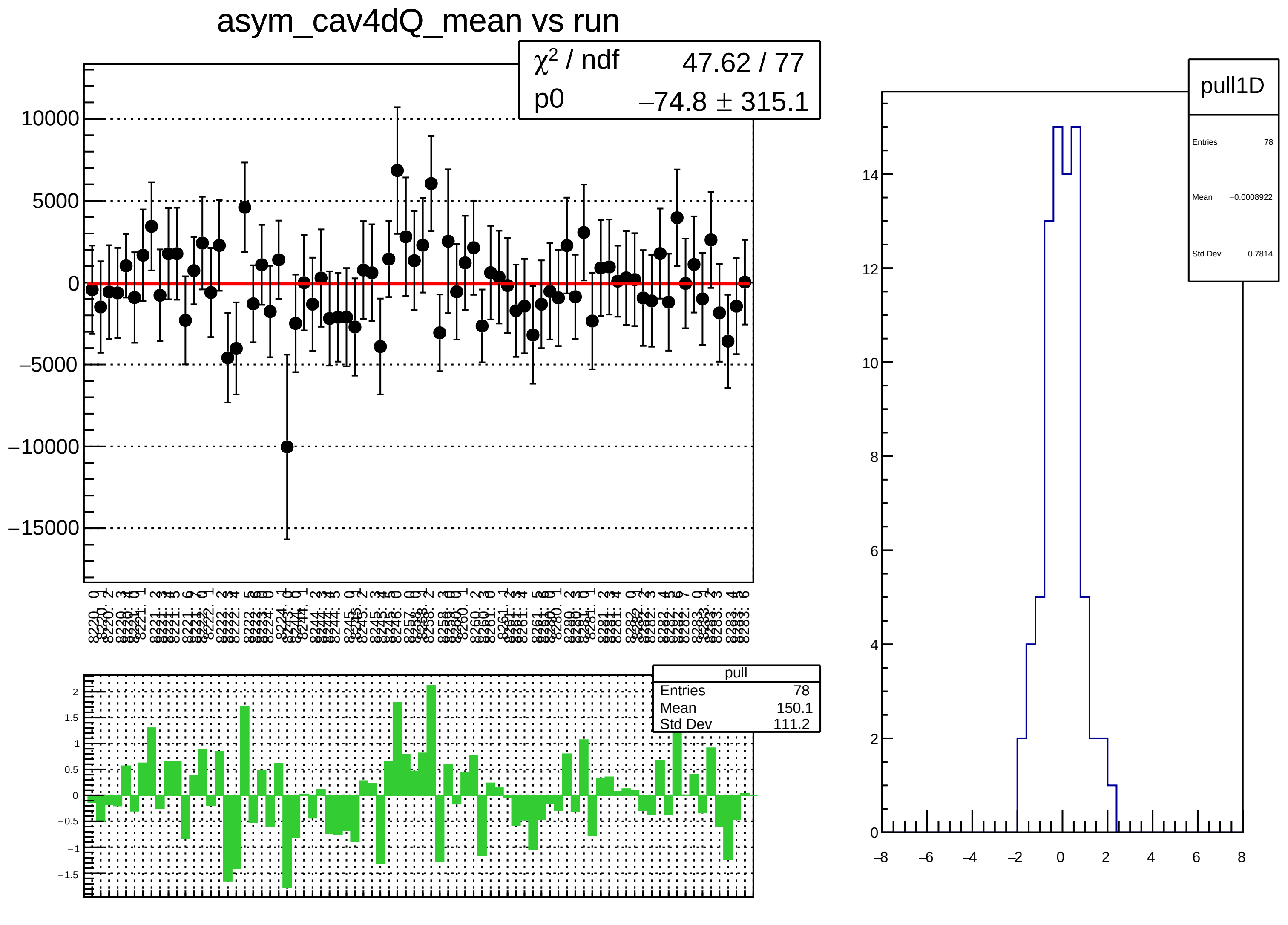
asym_cav4bQ_mean vs run
χ^2 / ndf 60.92 / 77
p0 167.9 ± 941.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −3515
Std Dev 3555
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.001132
Std Dev 0.8838
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



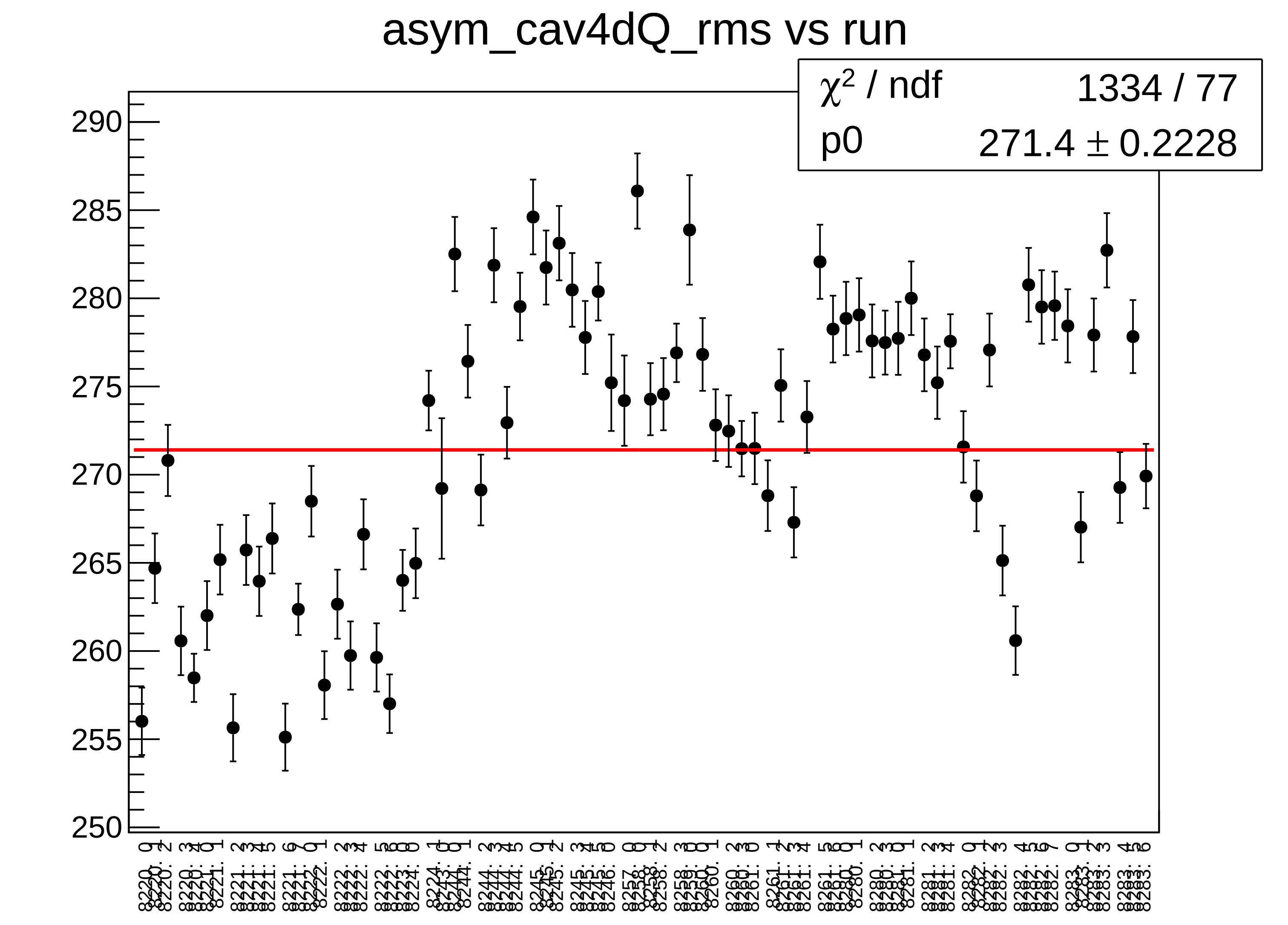
asym_cav4bQ_rms vs run
χ^2 / ndf 1.158e+04 / 77
p0 808.4 ± 0.666
1000
950
900
850
800
750
700
650

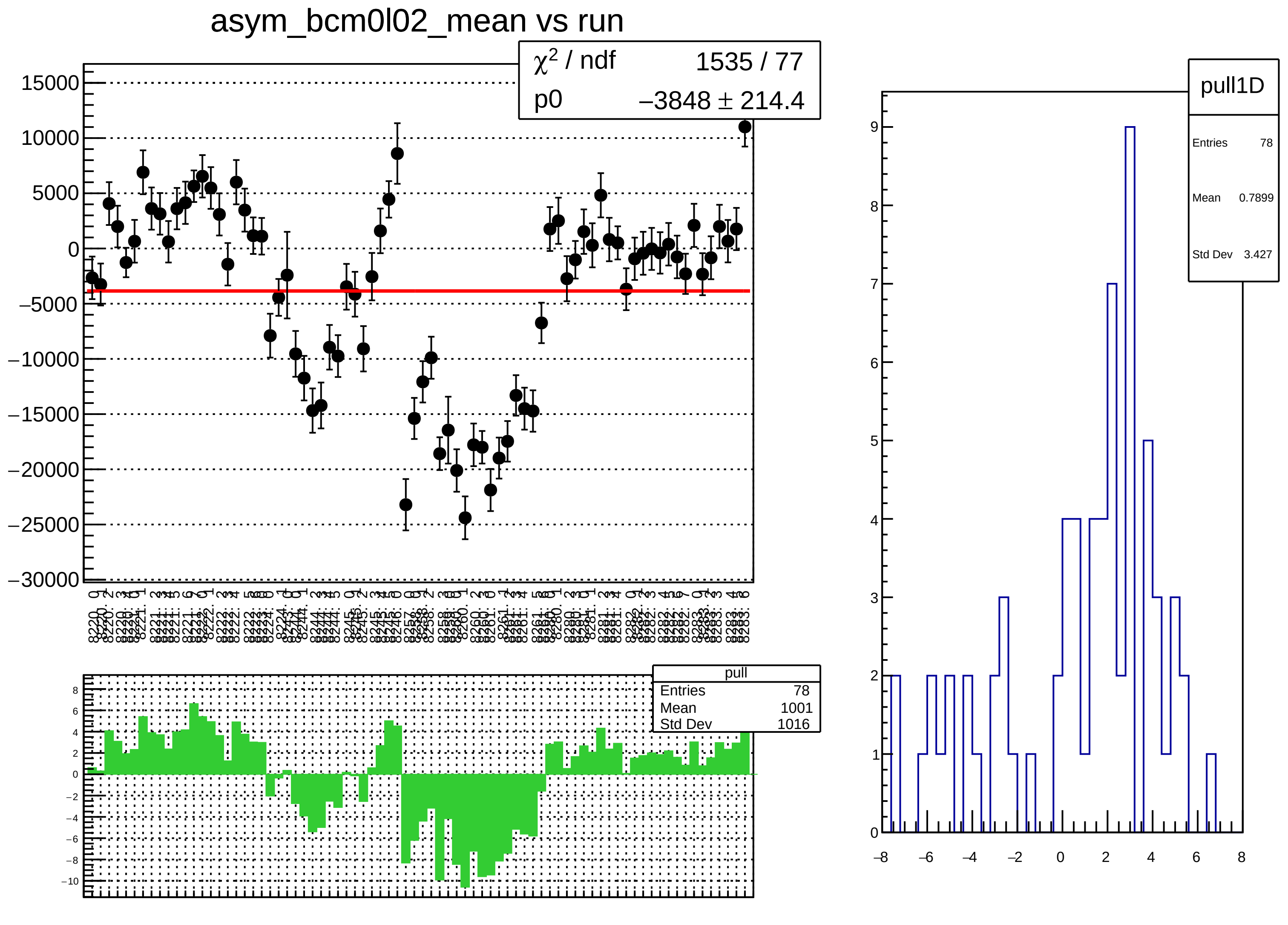

asym_cav4cQ_mean vs run
χ2 / ndf 23.47 / 77
p0 442.8 ± 227
pull
Entries 78
Mean 4365
Std Dev 4321
pull1D
Entries 78
Mean 0.0004144
Std Dev 0.5486


asym_cav4cQ_rms vs run
χ2 / ndf 3580 / 77
p0 195.4 ± 0.1605
220
210
200
190
180

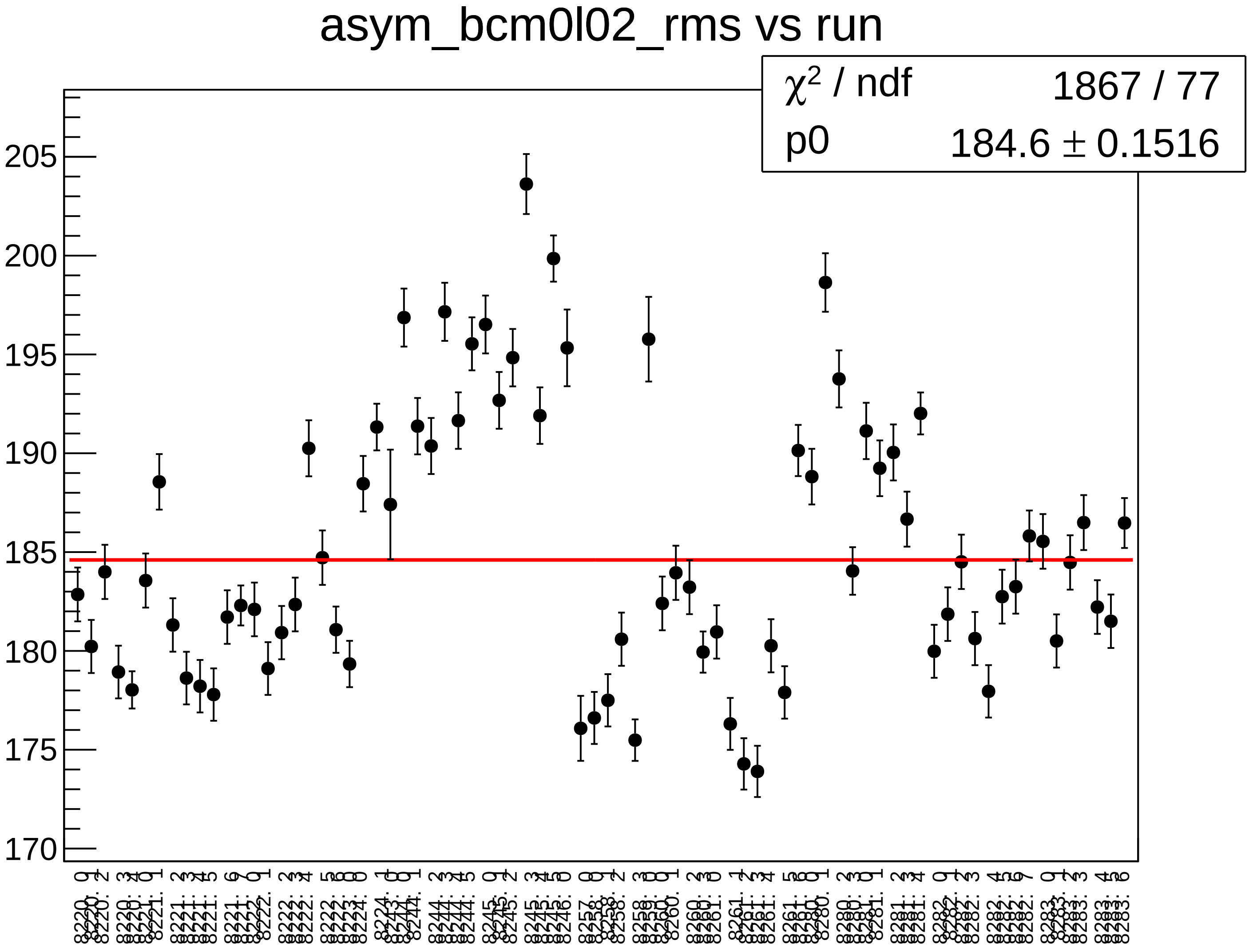


asym_cav4dQ_mean vs run
χ^2 / ndf 47.62 / 77
p0 −74.8 ± 315.1
pull
Entries 78
Mean 150.1
Std Dev 111.2
pull1D
Entries 78
Mean −0.0008922
Std Dev 0.7814

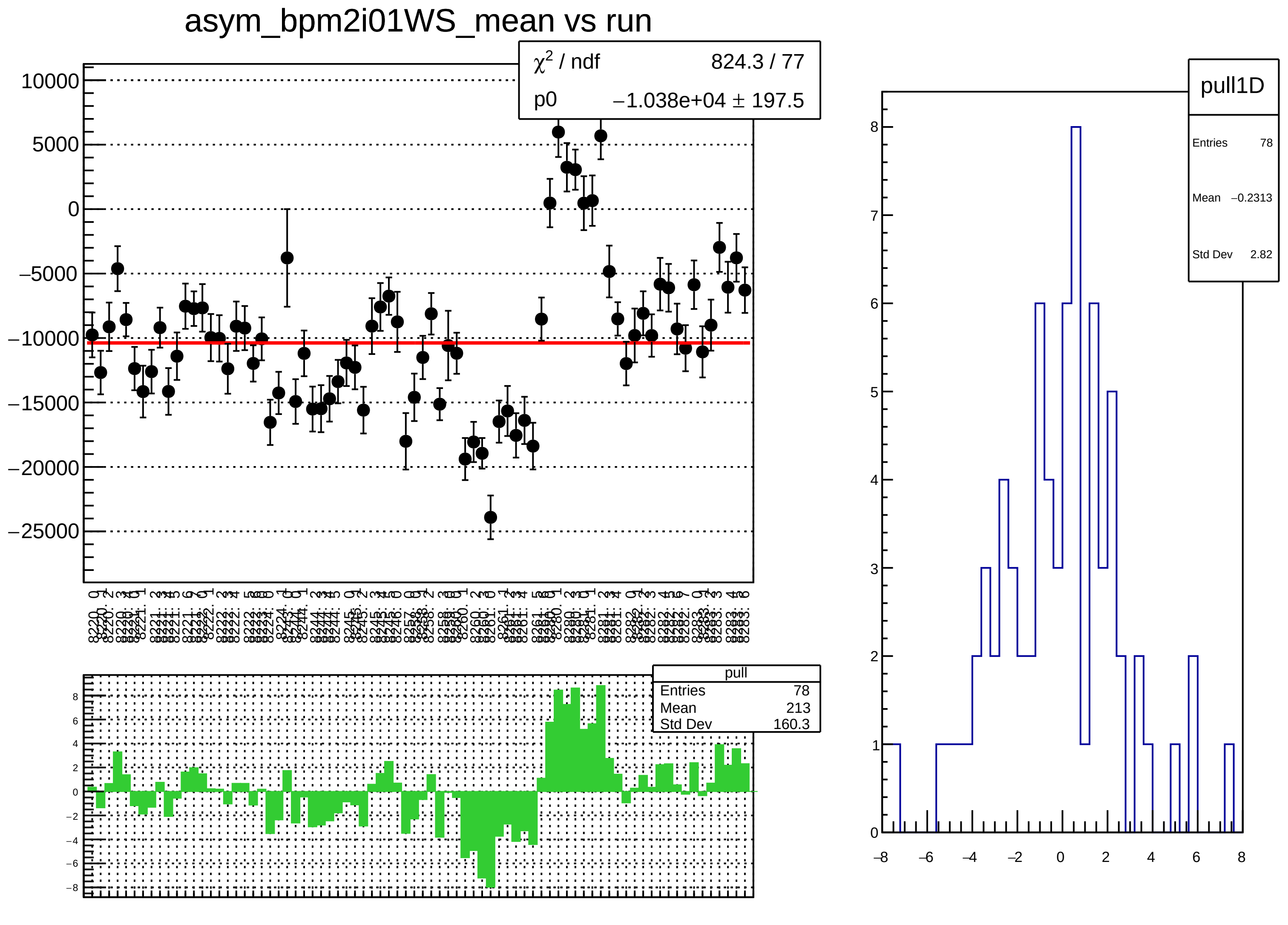

asym_cav4dQ_rms vs run
χ^2 / ndf 1334 / 77
p0 271.4 ± 0.2228
290
285
280
275
270
265
260
255
250

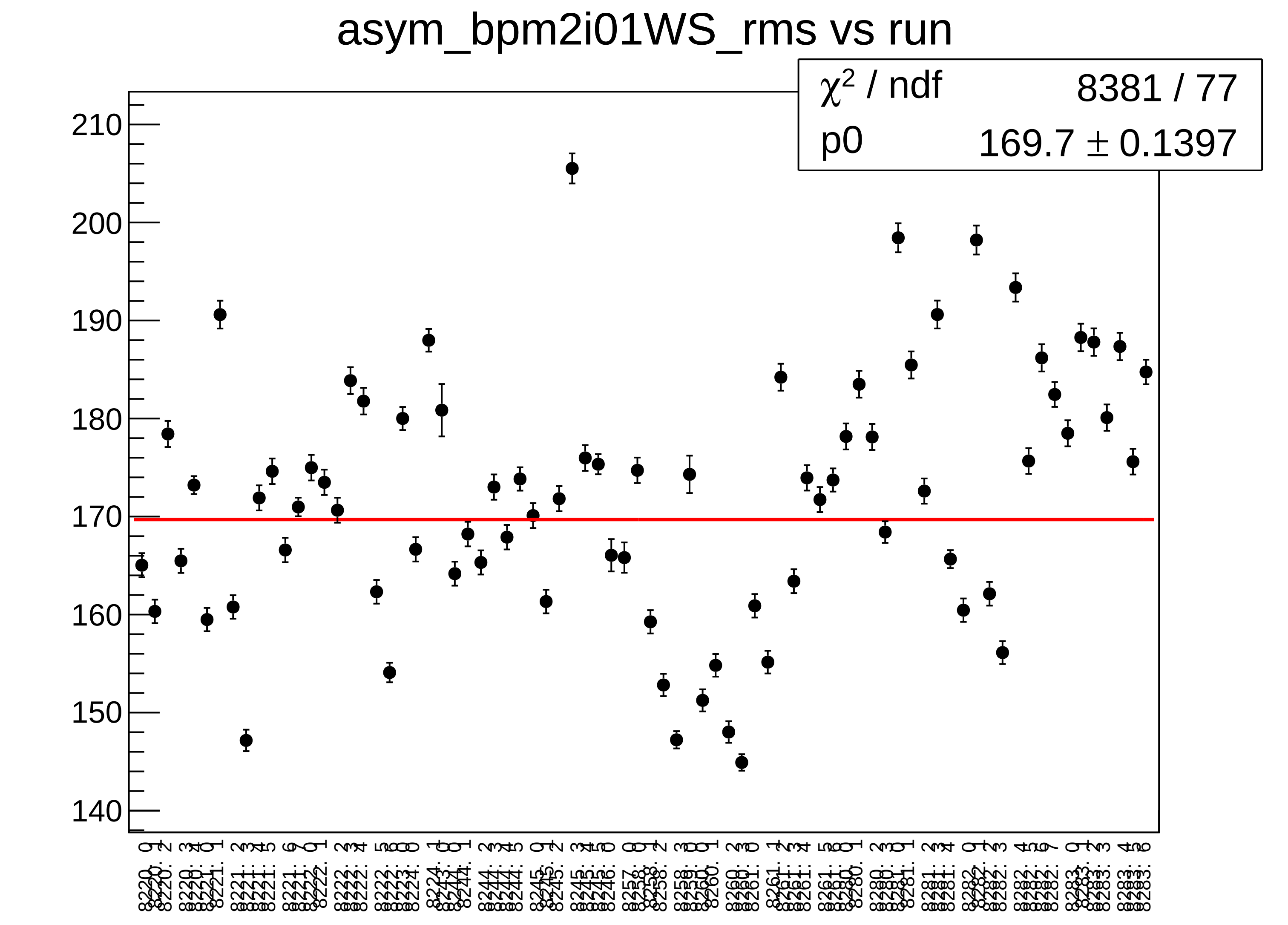


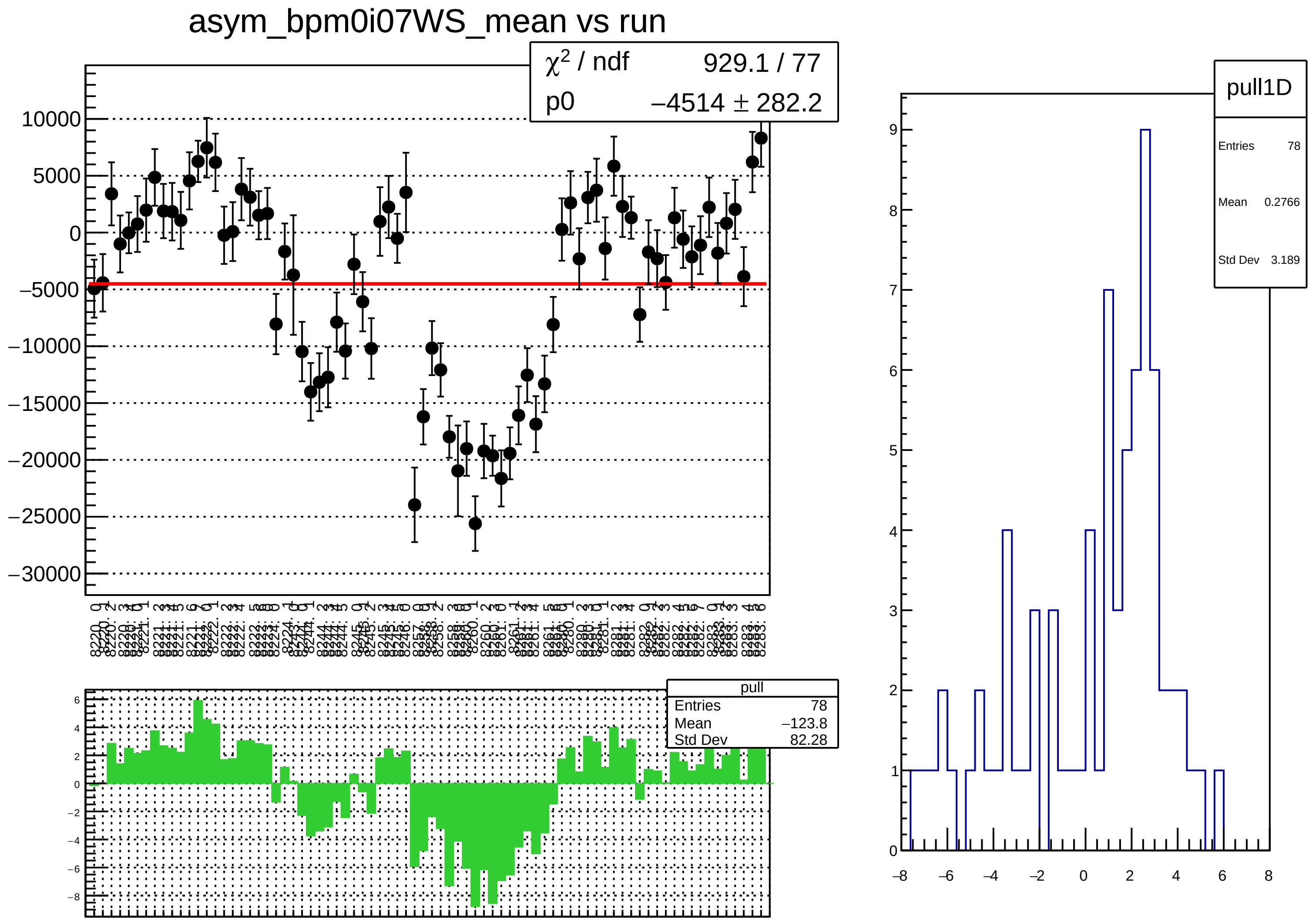
asym_bcm0l02_mean vs run
χ2 / ndf 1535 / 77
p0 −3848 ± 214.4
pull
Entries 78
Mean 1001
Std Dev 1016
pull1D
Entries 78
Mean 0.7899
Std Dev 3.427



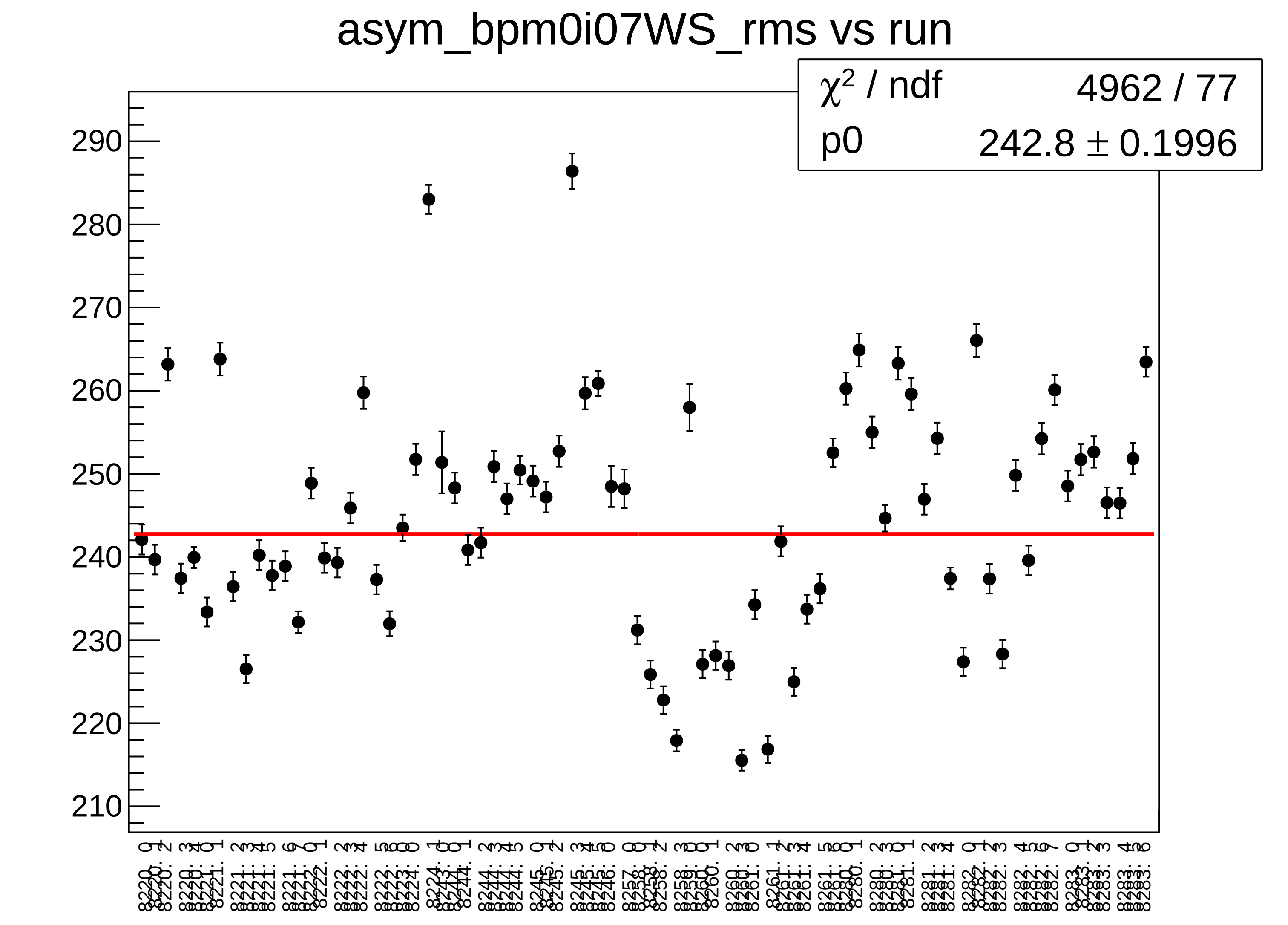
asym_bcm0l02_rms vs run
χ^2 / ndf 1867 / 77
p0 184.6 ± 0.1516
205
200
195
190
185
180
175
170

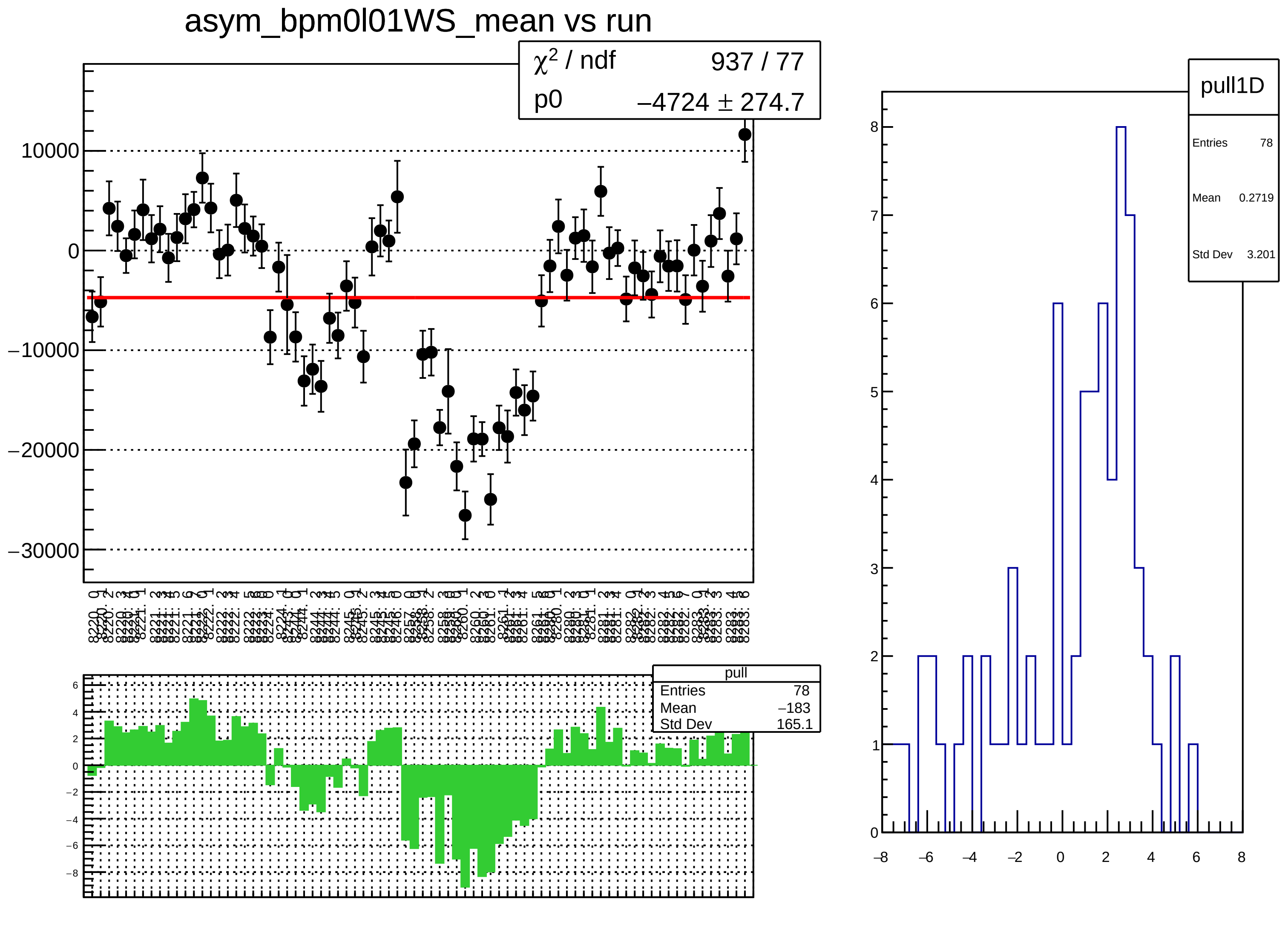

asym_bpm2i01WS_mean vs run
χ^2 / ndf 824.3 / 77
p0 −1.038e+04 ± 197.5
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 78
Mean 213
Std Dev 160.3
pull1D
Entries 78
Mean −0.2313
Std Dev 2.82


asym_bpm2i01WS_rms vs run
χ2 / ndf 8381 / 77
p0 169.7 ± 0.1397
210
200
190
180
170
160
150
140

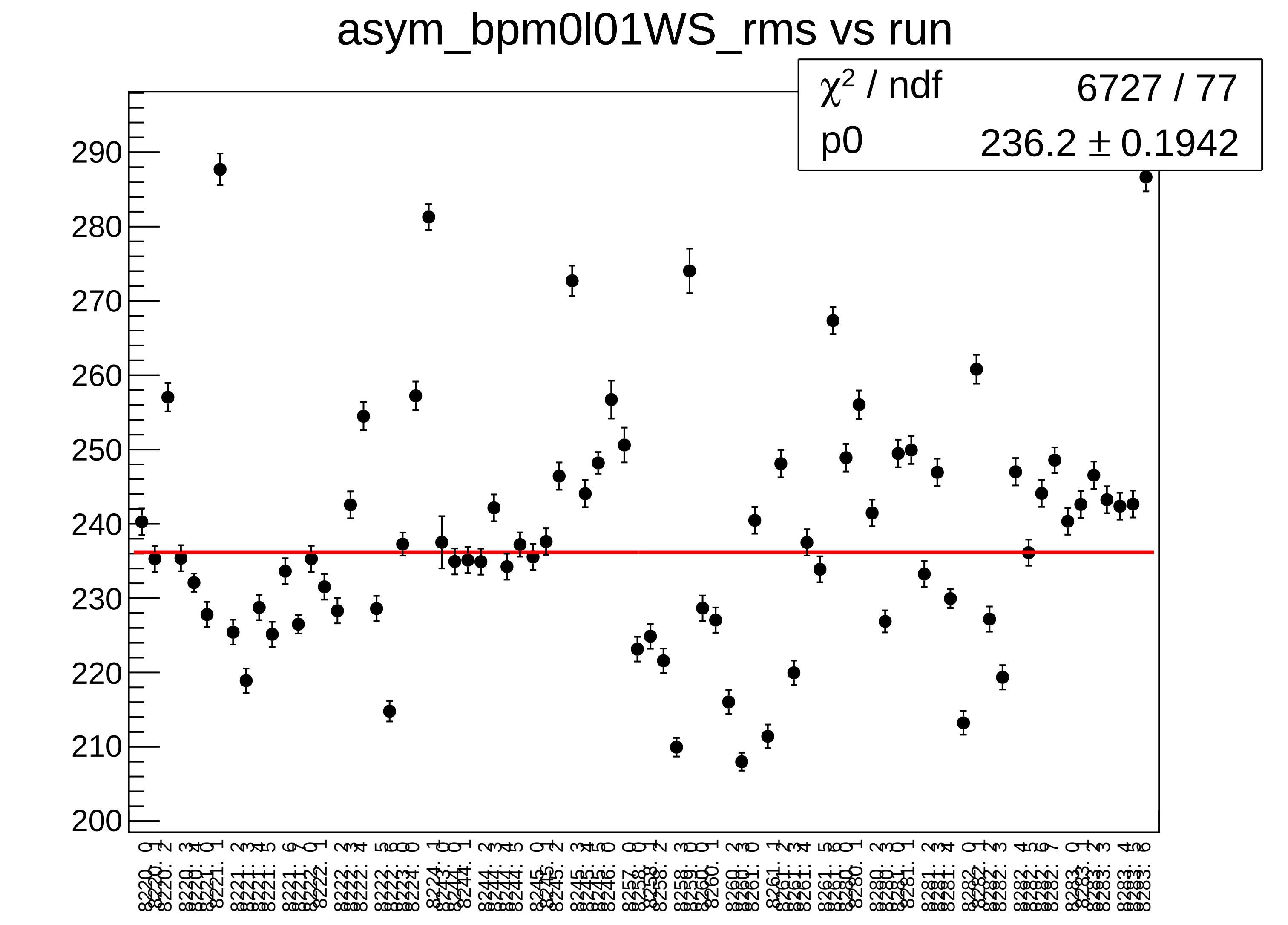


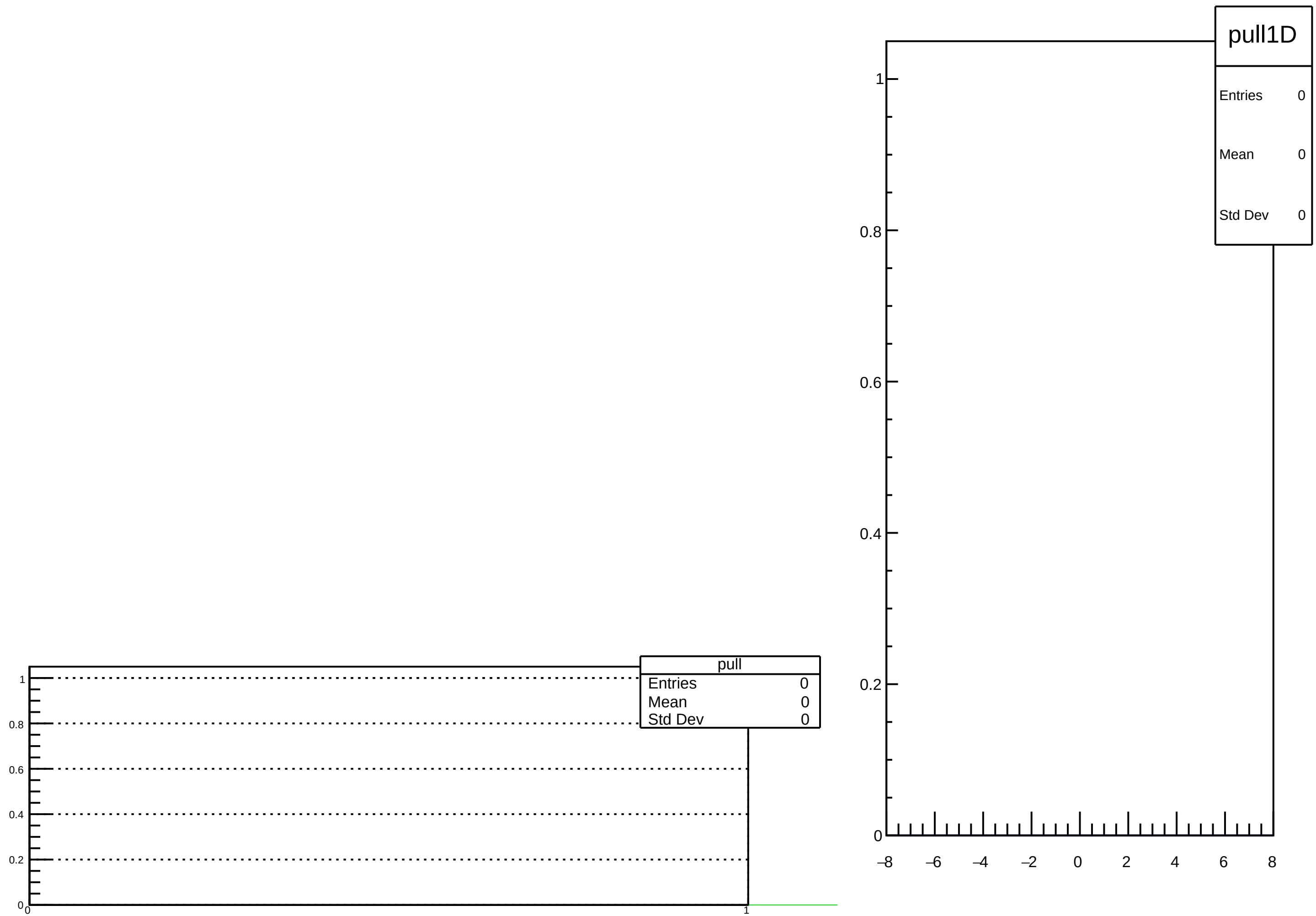
asym_bpm0i07WS_mean vs run
χ^2 / ndf 929.1 / 77
p0 −4514 ± 282.2
pull
Entries 78
Mean −123.8
Std Dev 82.28
pull1D
Entries 78
Mean 0.2766
Std Dev 3.189


asym_bpm0i07WS_rms vs run
χ^2 / ndf 4962 / 77
p0 242.8 ± 0.1996
290
280
270
260
250
240
230
220
210

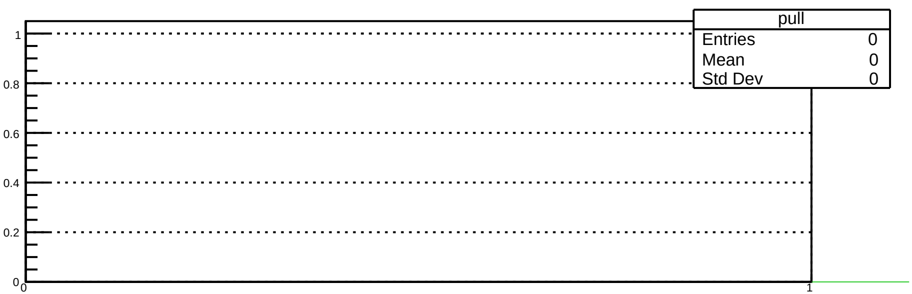


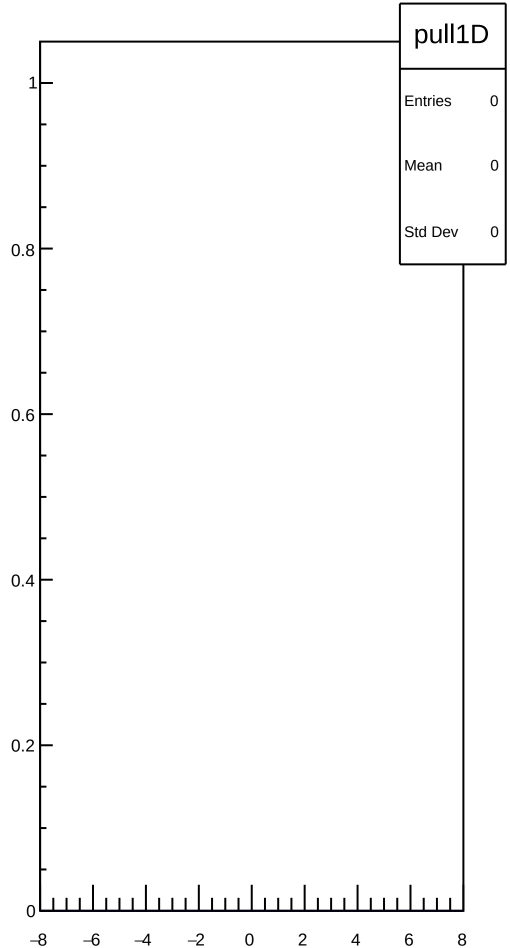
asym_bpm0l01WS_mean vs run
χ^2 / ndf 937 / 77
p0 −4724 ± 274.7
pull
Entries 78
Mean −183
Std Dev 165.1
pull1D
Entries 78
Mean 0.2719
Std Dev 3.201

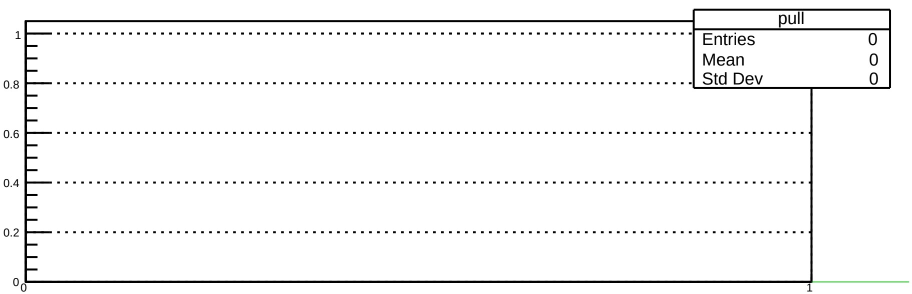

asym_bpm0l01WS_rms vs run
χ2 / ndf 6727 / 77
p0 236.2 ± 0.1942
290
280
270
260
250
240
230
220
210
200

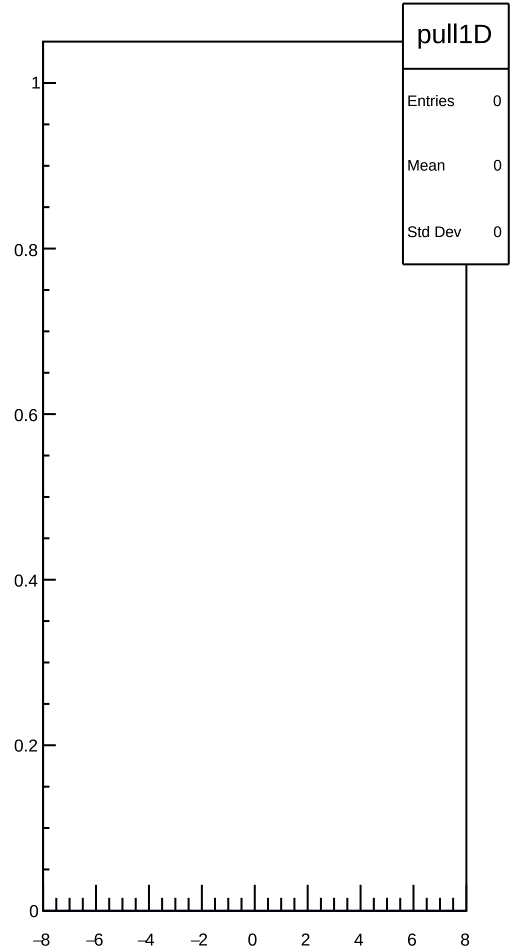


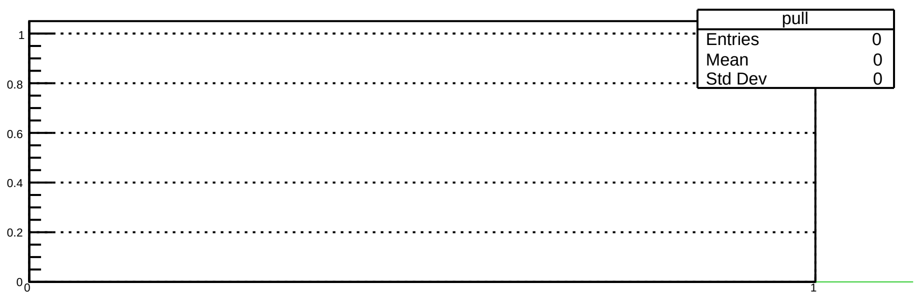
pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1
pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8

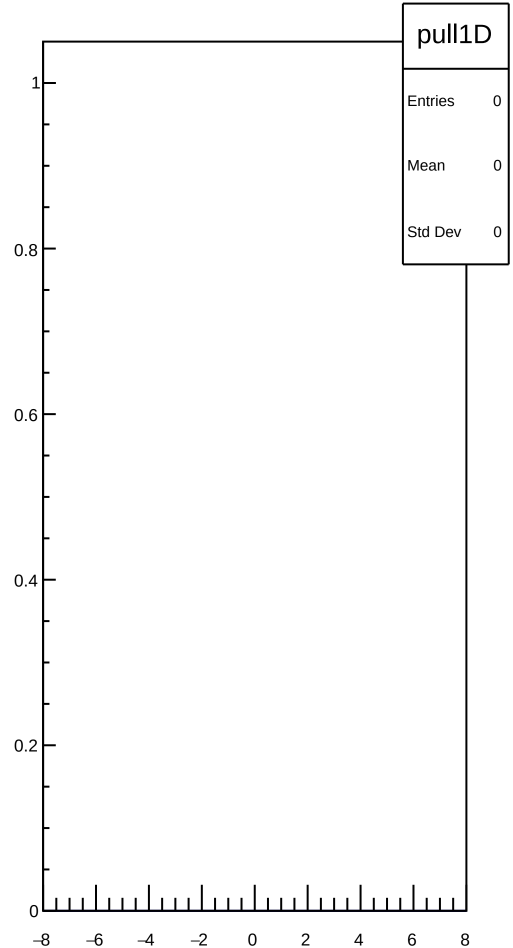

pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1

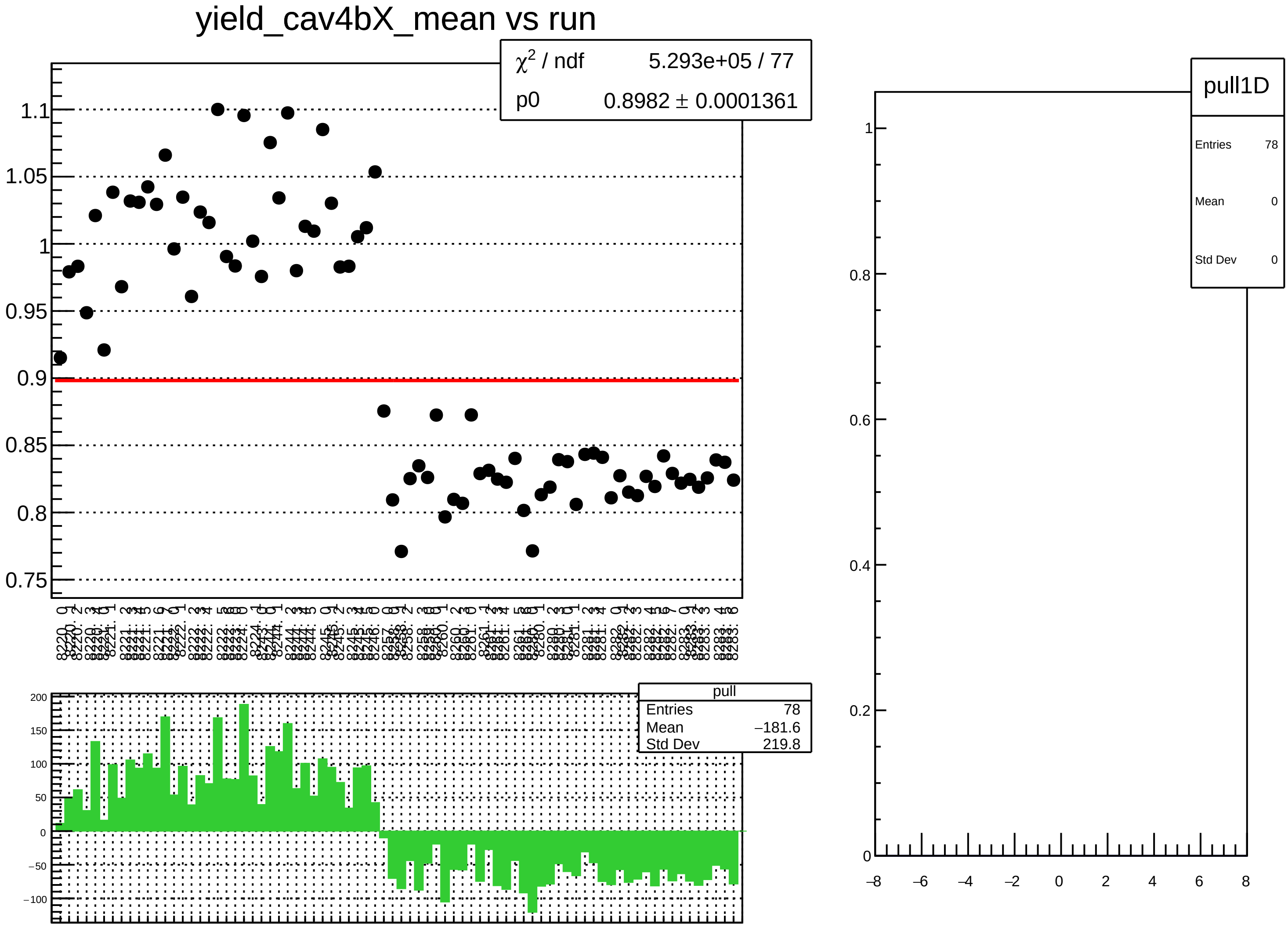

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8


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

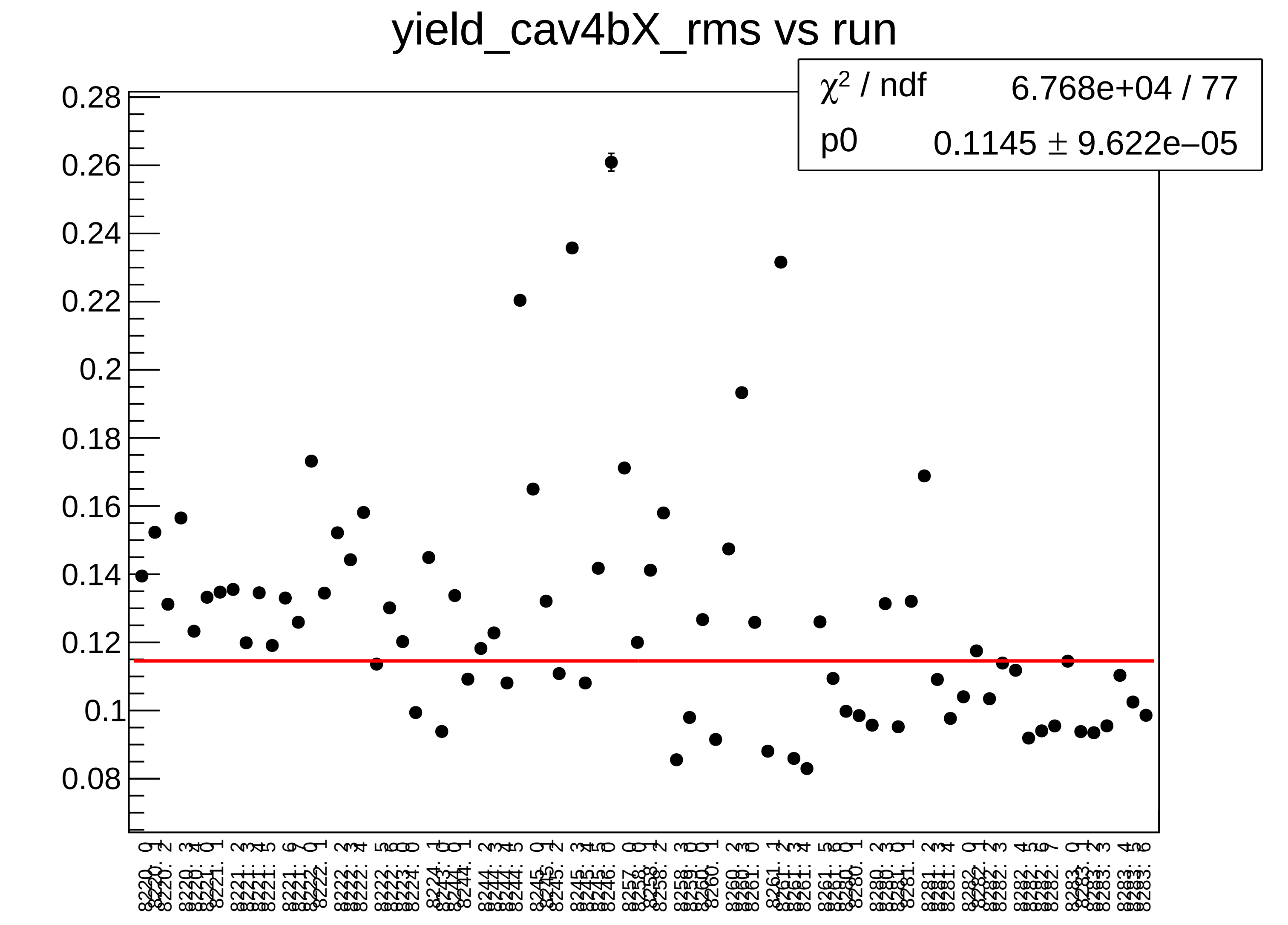

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0

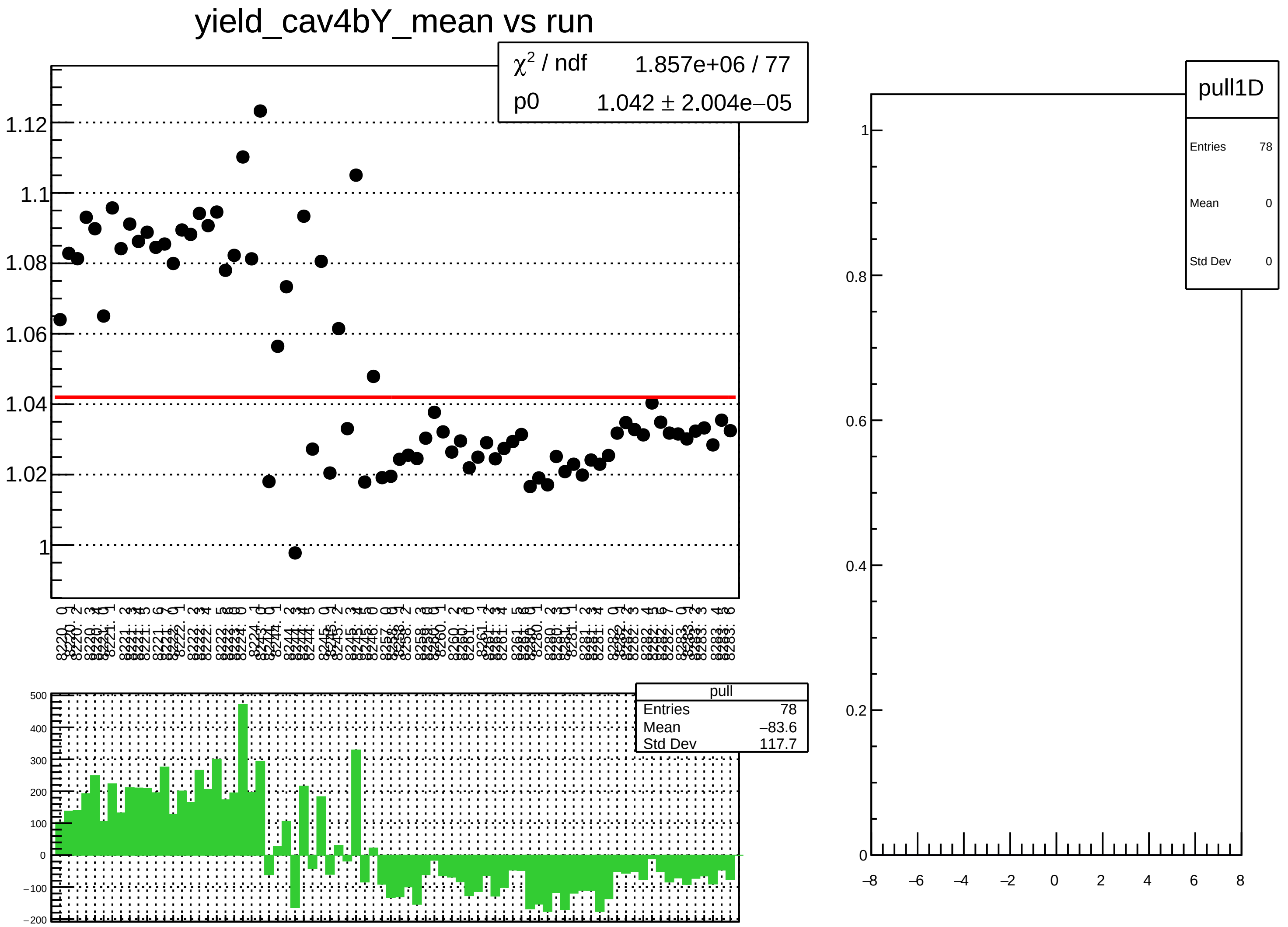

pull1D
Entries 0
Mean 0
Std Dev 0



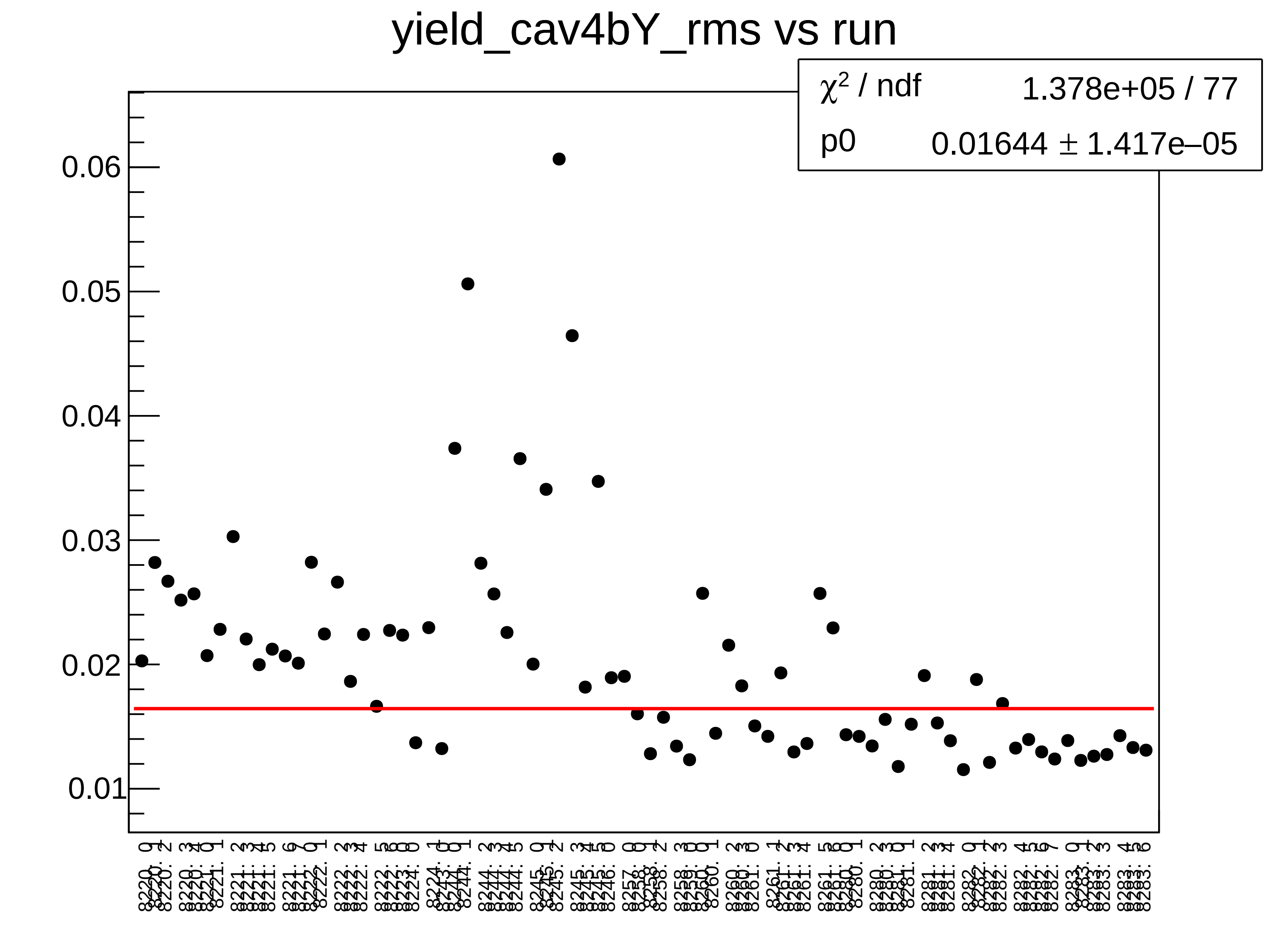
yield_cav4bX_mean vs run
χ^2 / ndf 5.293e+05 / 77
p0 0.8982 ± 0.0001361
pull
Entries 78
Mean −181.6
Std Dev 219.8
pull1D
Entries 78
Mean 0
Std Dev 0

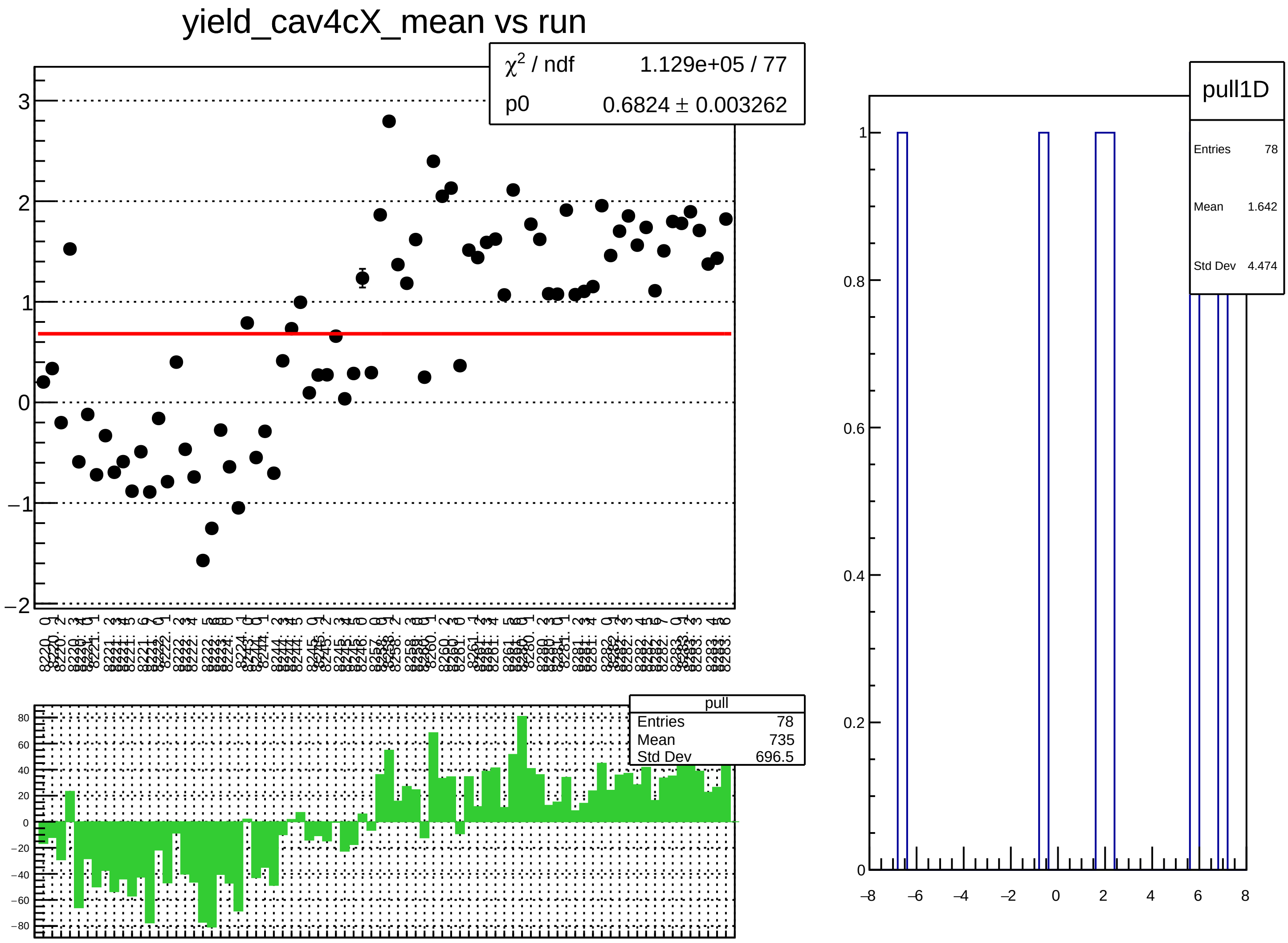


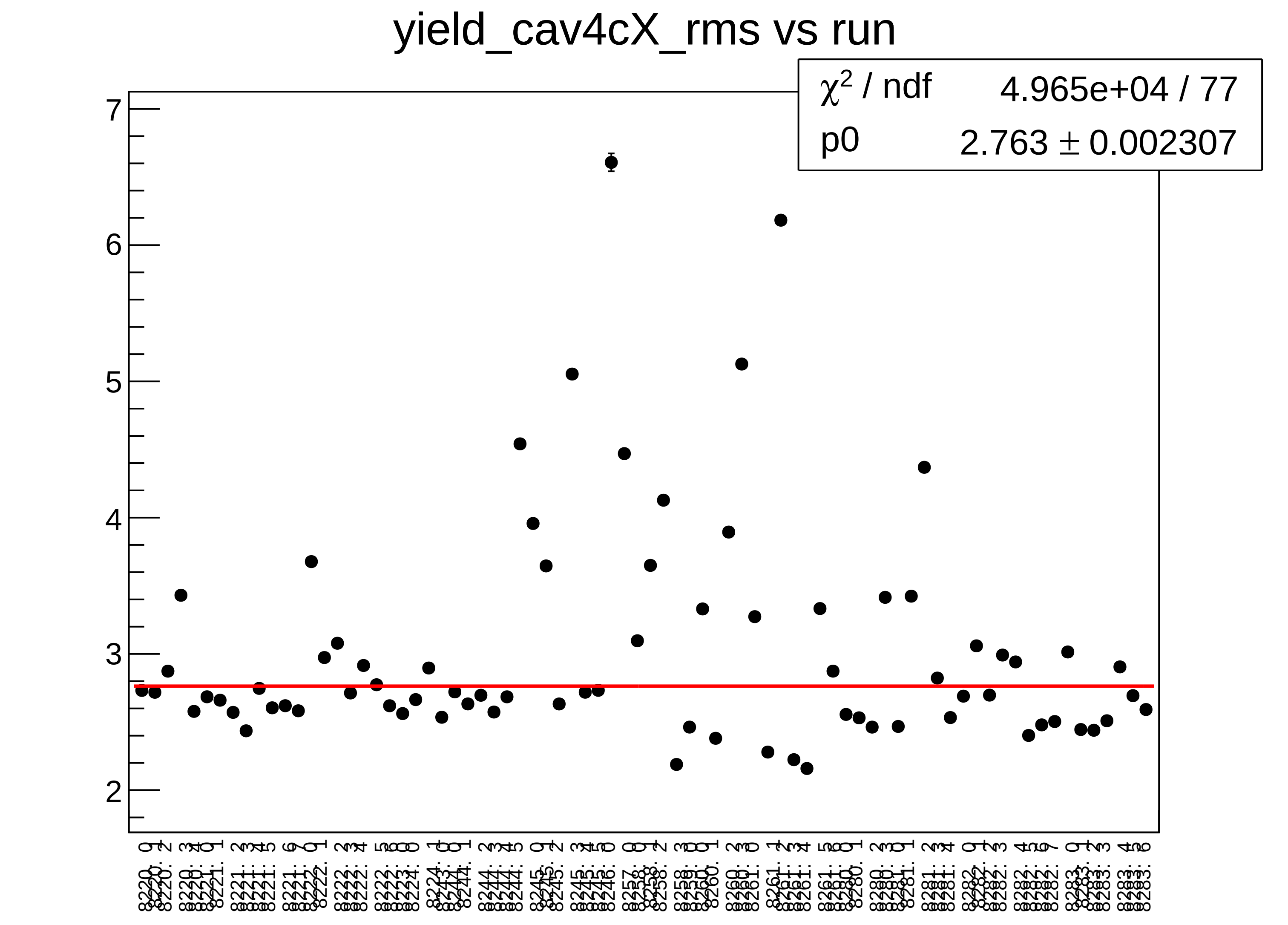
yield_cav4bX_rms vs run
χ^2 / ndf 6.768e+04 / 77
p0 0.1145 ± 9.622e−05
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08

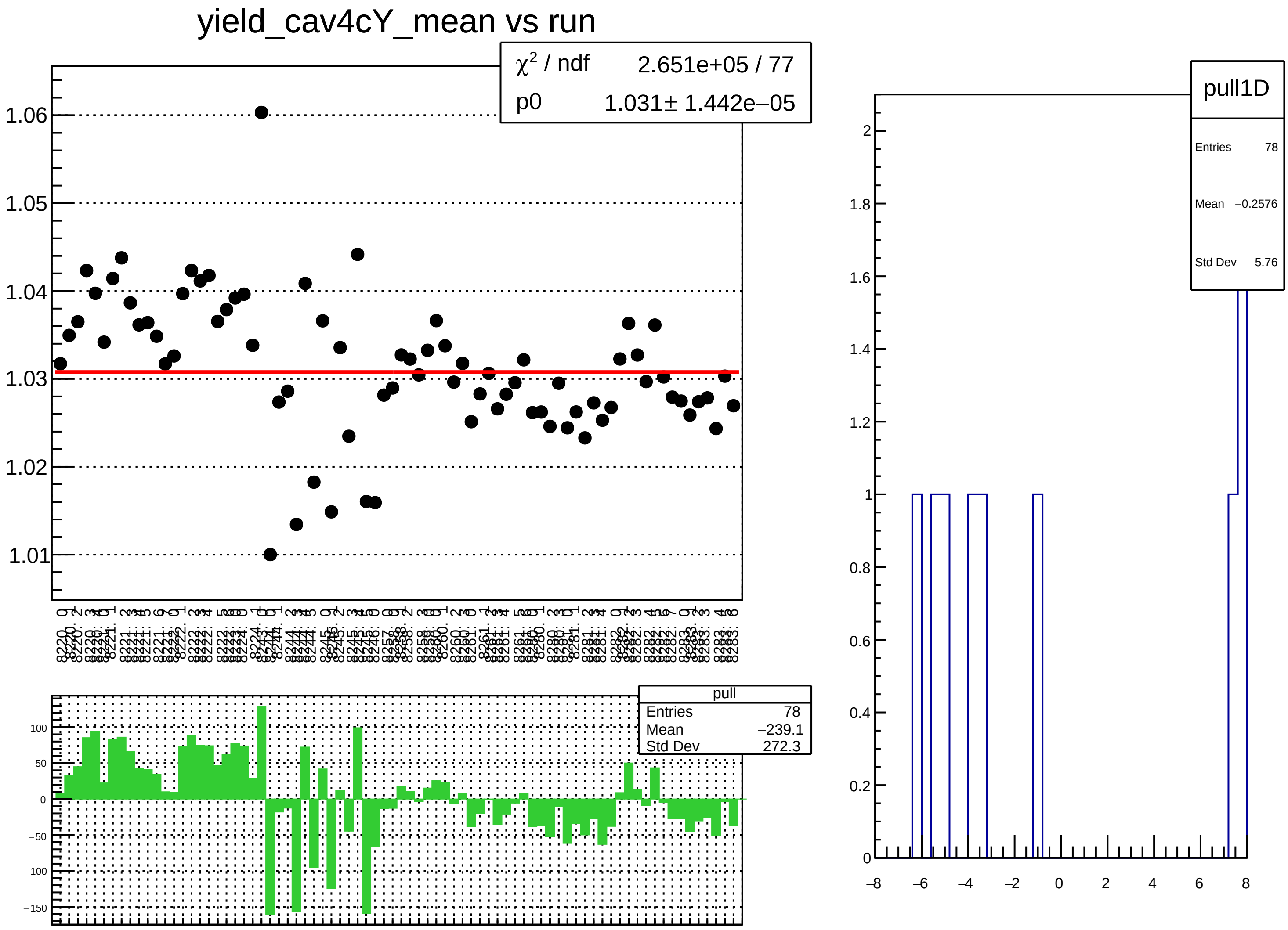


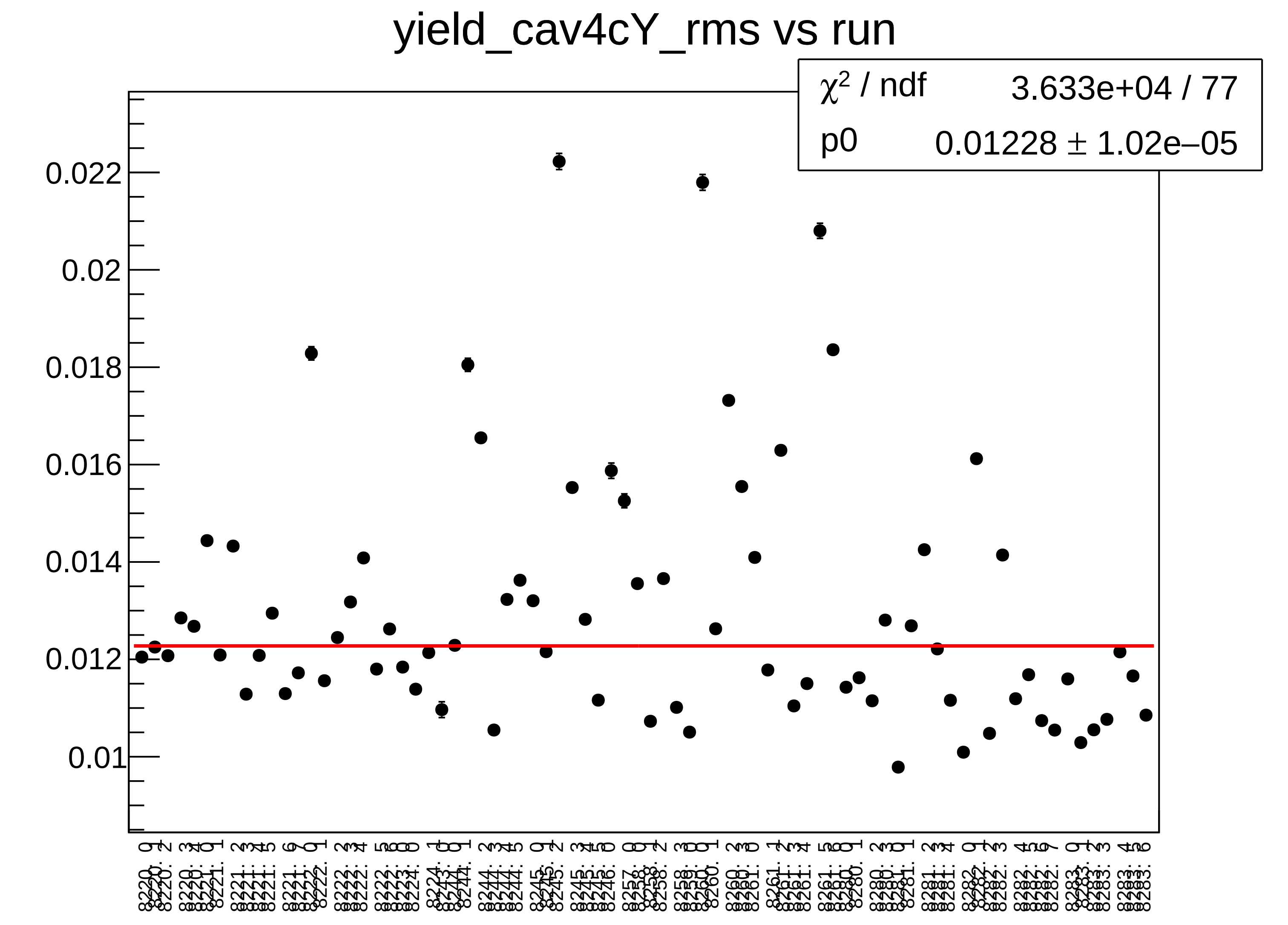
yield_cav4bY_mean vs run
χ^2 / ndf 1.857e+06 / 77
p0 1.042 ± 2.004e−05
pull
Entries 78
Mean −83.6
Std Dev 117.7
pull1D
Entries 78
Mean 0
Std Dev 0


yield_cav4bY_rms vs run
χ^2 / ndf 1.378e+05 / 77
p0 0.01644 ± 1.417e−05
0.06
0.05
0.04
0.03
0.02
0.01

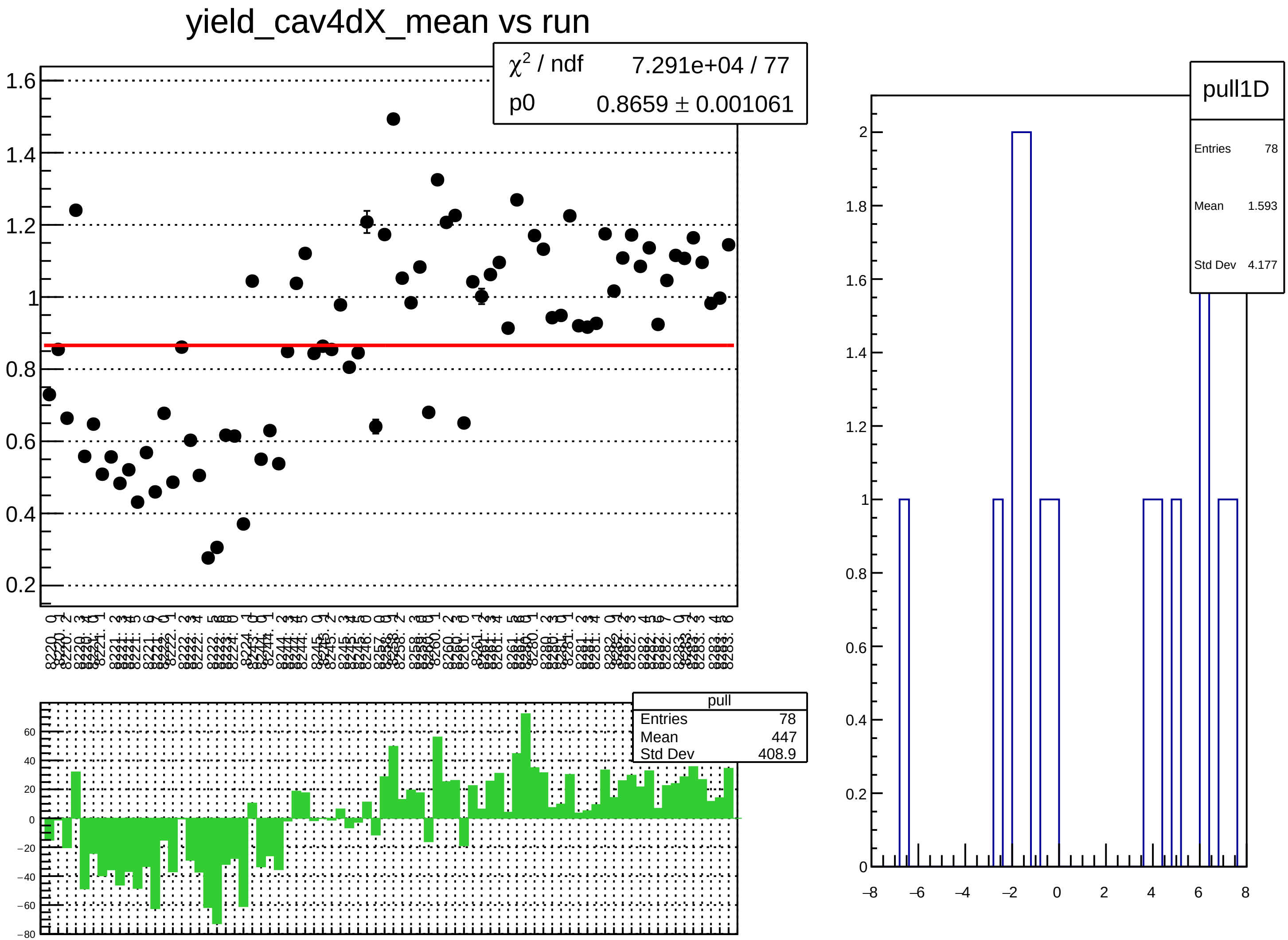

yield_cav4cX_mean vs run
χ^2 / ndf 1.129e+05 / 77
p0 0.6824 ± 0.003262
pull
Entries 78
Mean 735
Std Dev 696.5
pull1D
Entries 78
Mean 1.642
Std Dev 4.474


yield_cav4cX_rms vs run
χ^2 / ndf 4.965e+04 / 77
p0 2.763 ± 0.002307
7
6
5
4
3
2

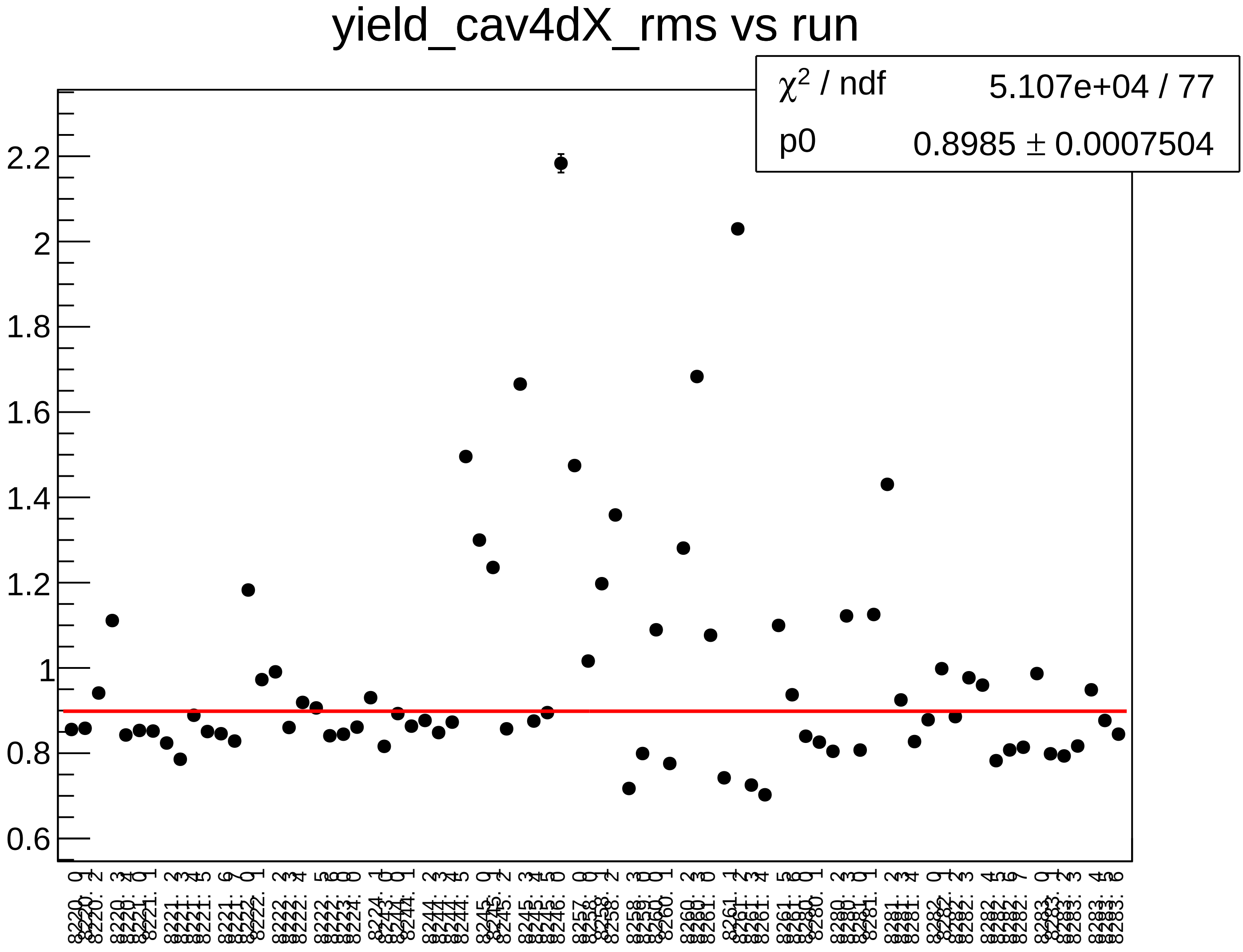

yield_cav4cY_mean vs run
χ2 / ndf 2.651e+05 / 77
p0 1.031± 1.442e−05
pull
Entries 78
Mean −239.1
Std Dev 272.3
pull1D
Entries 78
Mean −0.2576
Std Dev 5.76



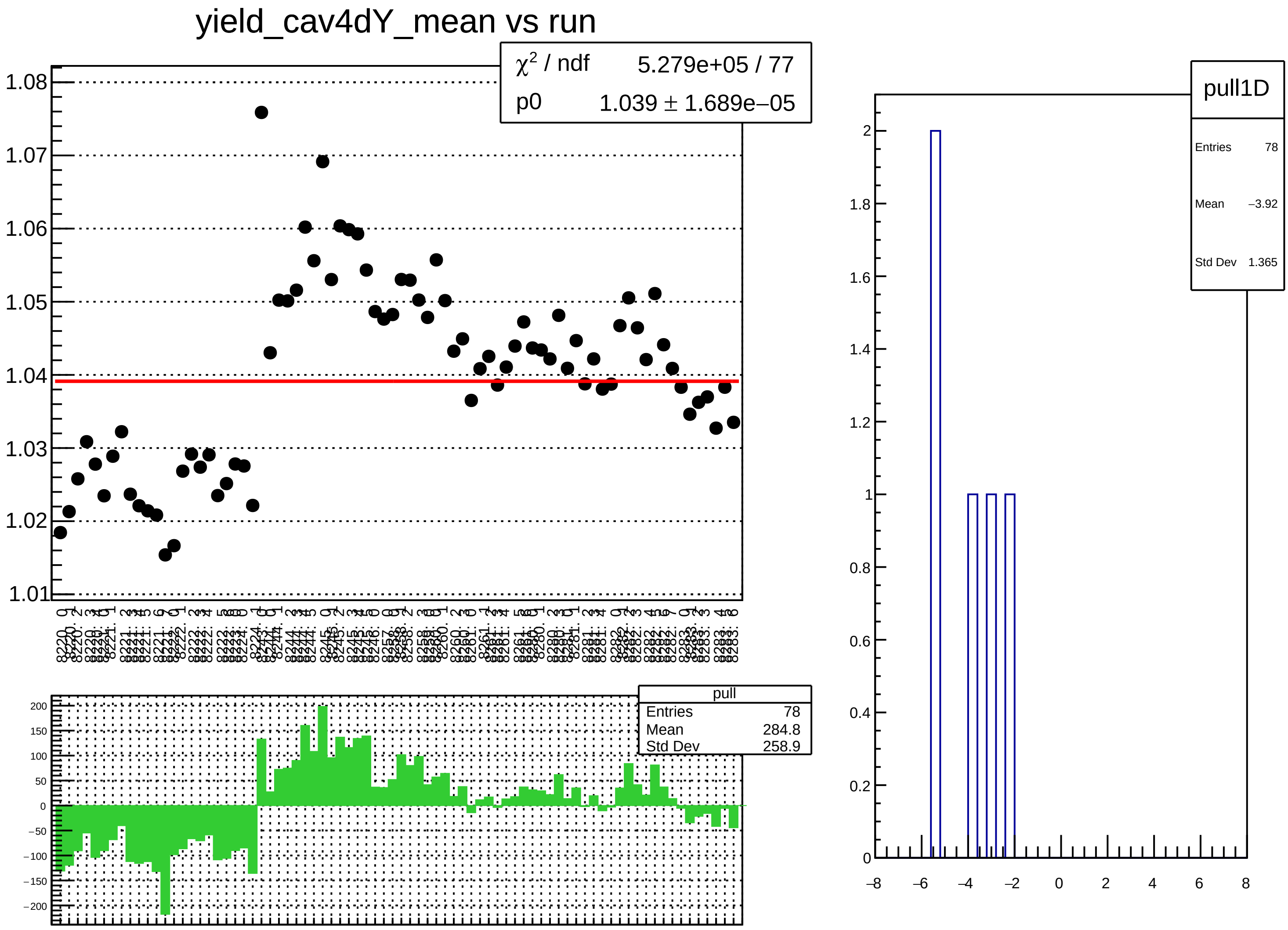
yield_cav4cY_rms vs run
χ^2 / ndf 3.633e+04 / 77
p0 0.01228 ± 1.02e−05

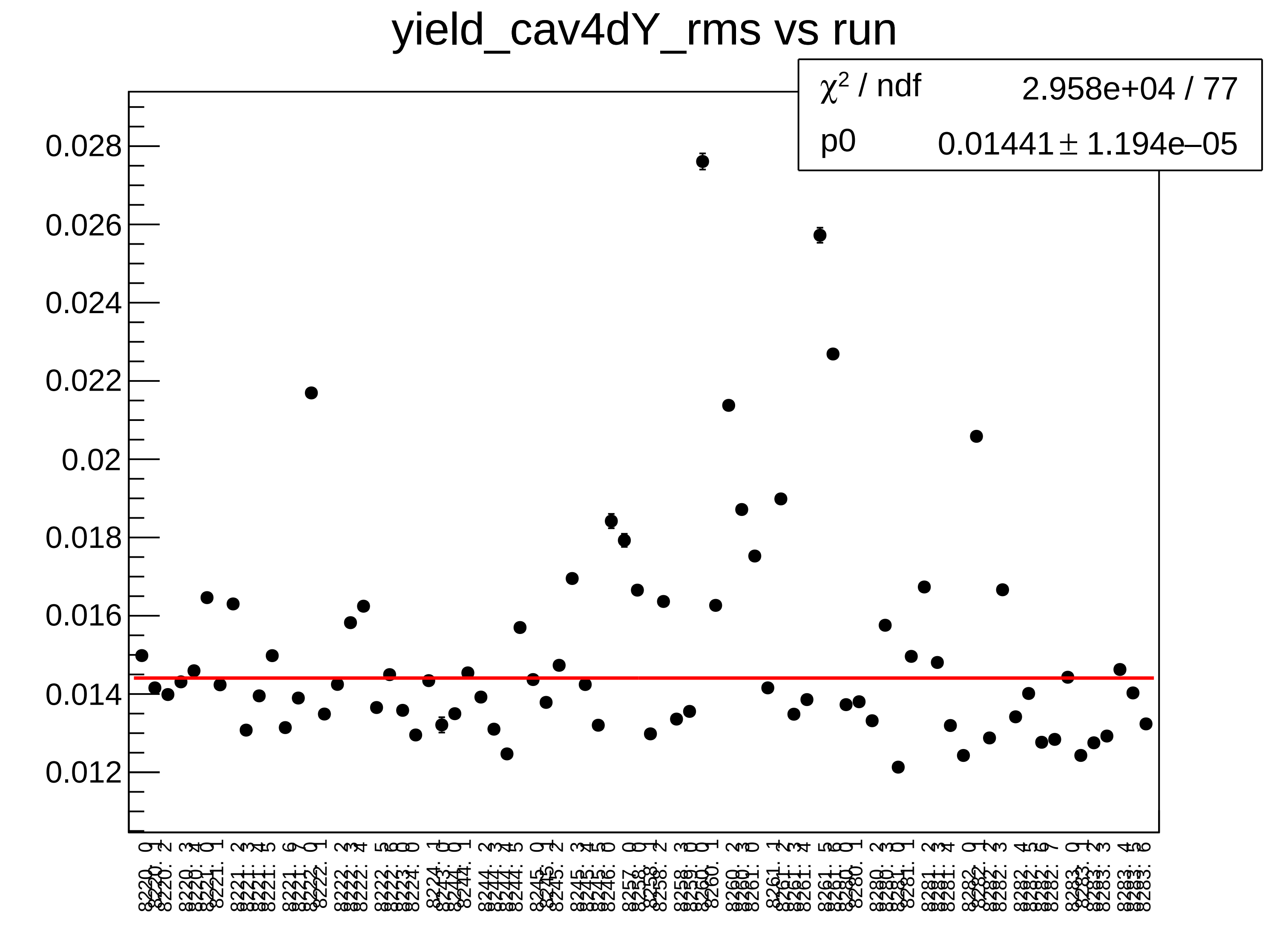


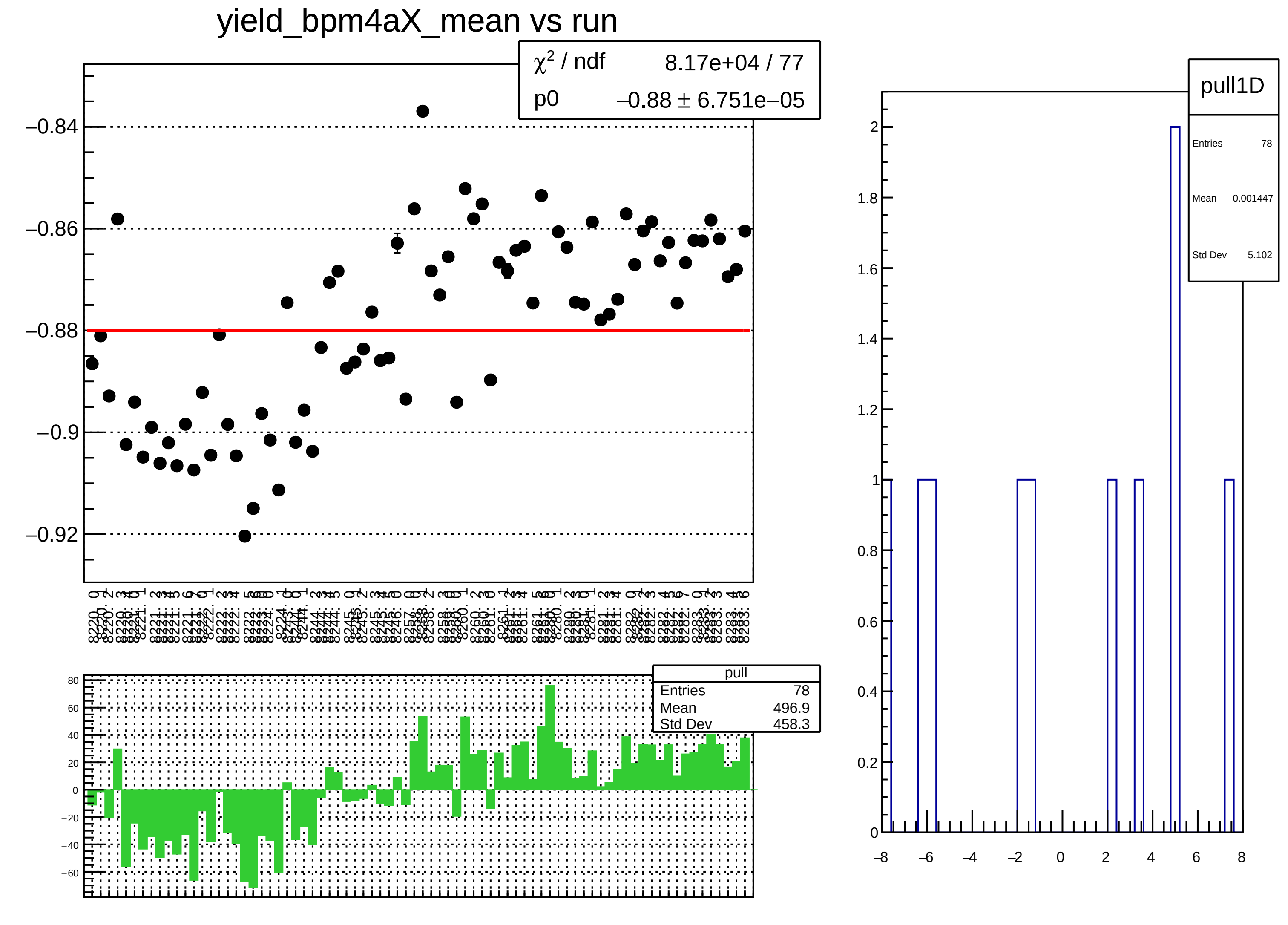
yield_cav4dX_mean vs run
χ2 / ndf 7.291e+04 / 77
p0 0.8659 ± 0.001061
pull
Entries 78
Mean 447
Std Dev 408.9
pull1D
Entries 78
Mean 1.593
Std Dev 4.177



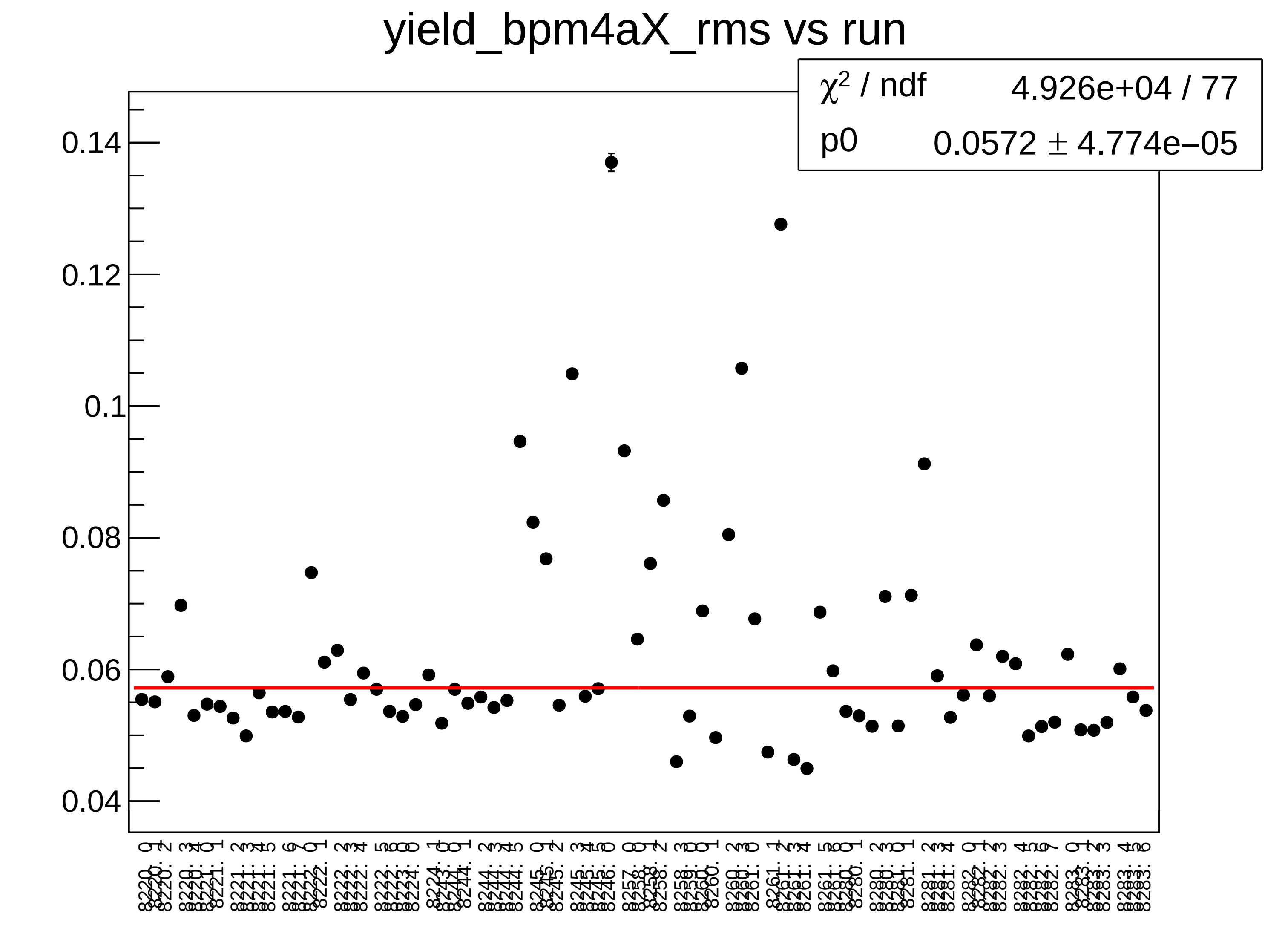
yield_cav4dX_rms vs run
χ^2 / ndf 5.107e+04 / 77
p0 0.8985 ± 0.0007504
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6

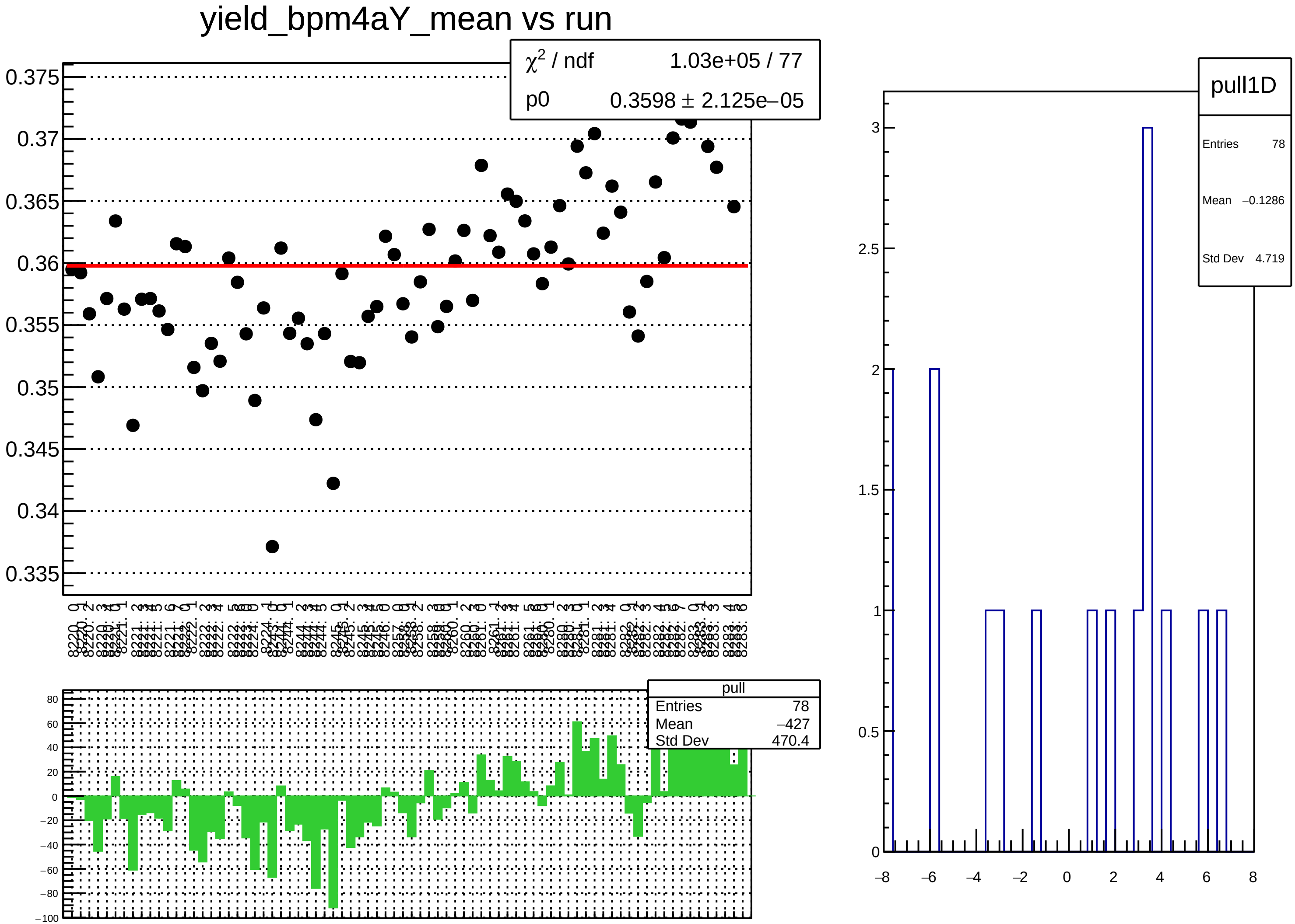

yield_cav4dY_mean vs run
χ^2 / ndf 5.279e+05 / 77
p0 1.039 ± 1.689e−05
1.08
1.07
1.06
1.05
1.04
1.03
1.02
1.01
pull
Entries 78
Mean 284.8
Std Dev 258.9
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 78
Mean −3.92
Std Dev 1.365
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

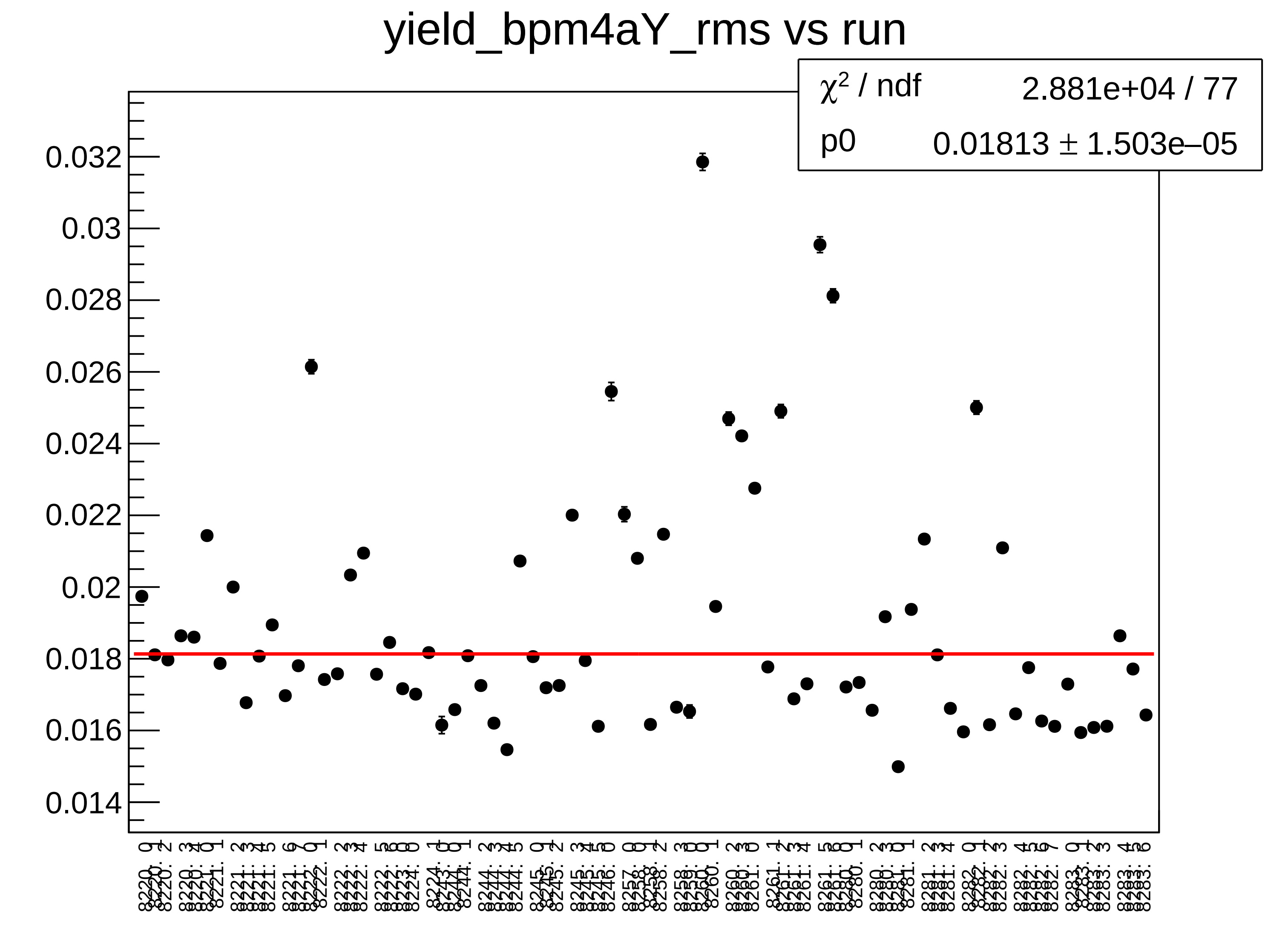

yield_cav4dY_rms vs run
χ² / ndf 2.958e+04 / 77
p0 0.01441 ± 1.194e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

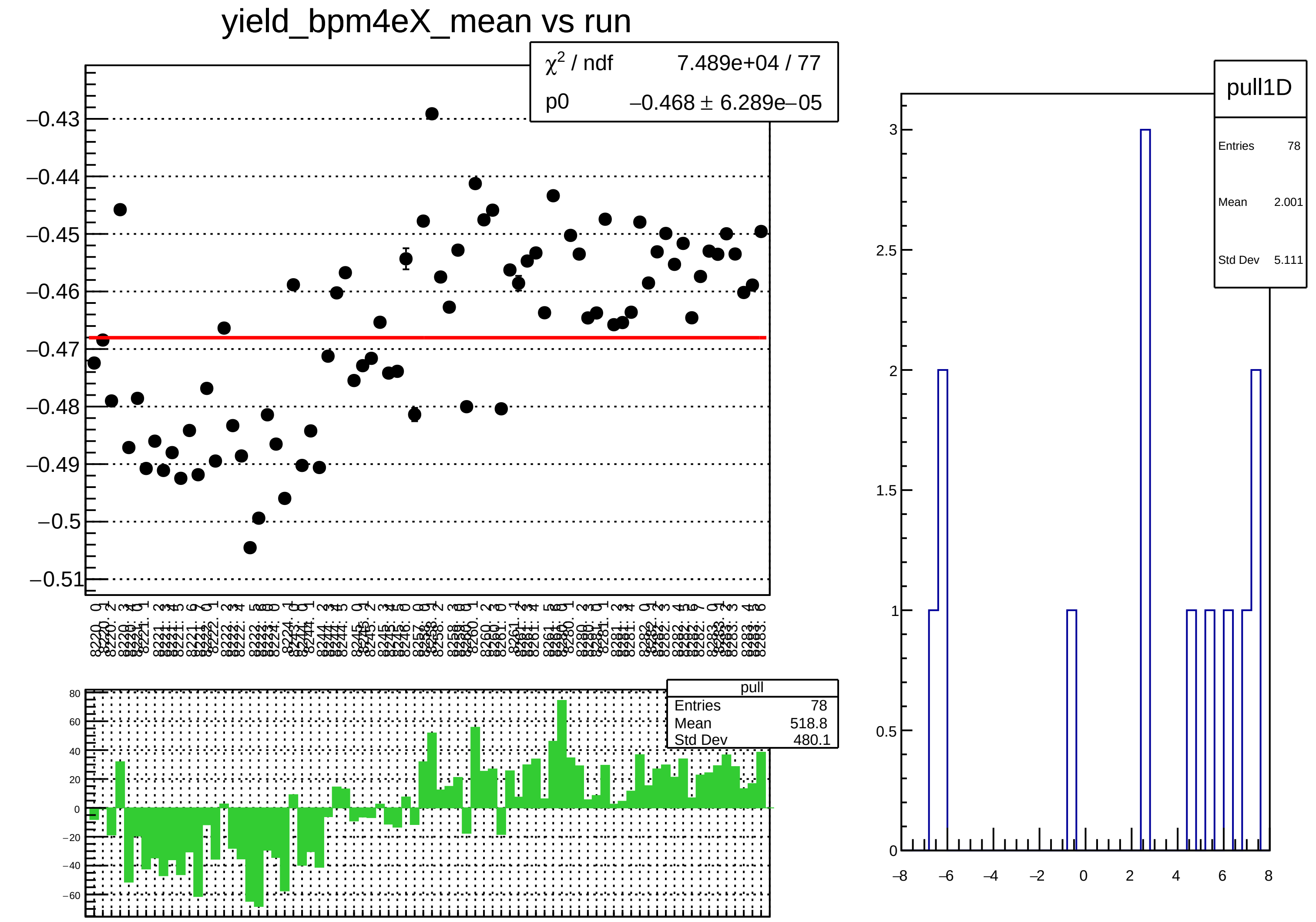


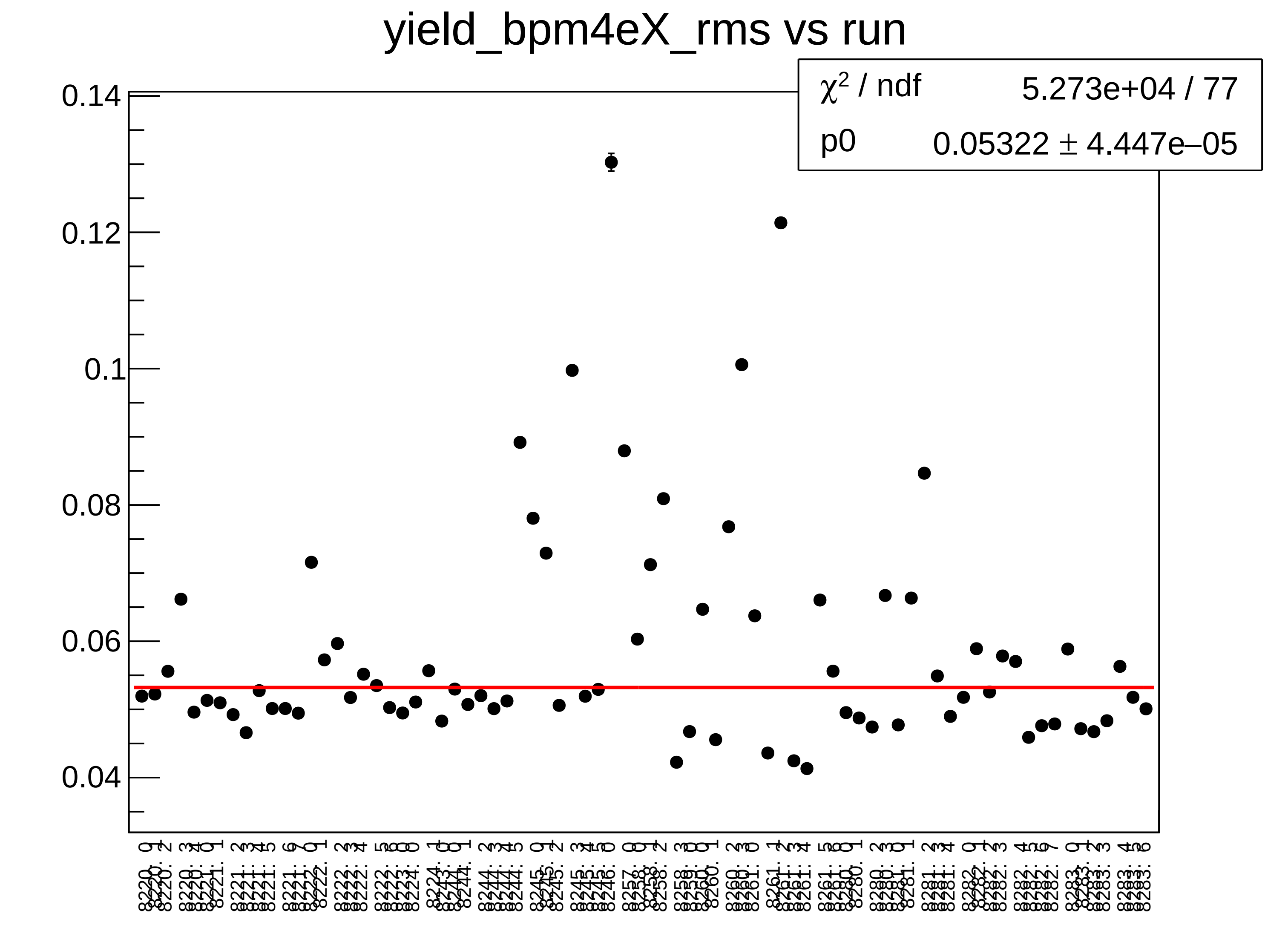
yield_bpm4aX_mean vs run
χ2 / ndf 8.17e+04 / 77
p0 −0.88 ± 6.751e−05
−0.84
−0.86
−0.88
−0.9
−0.92
pull
Entries 78
Mean 496.9
Std Dev 458.3
80
60
40
20
0
−20
−40
−60
pull1D
Entries 78
Mean −0.001447
Std Dev 5.102
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

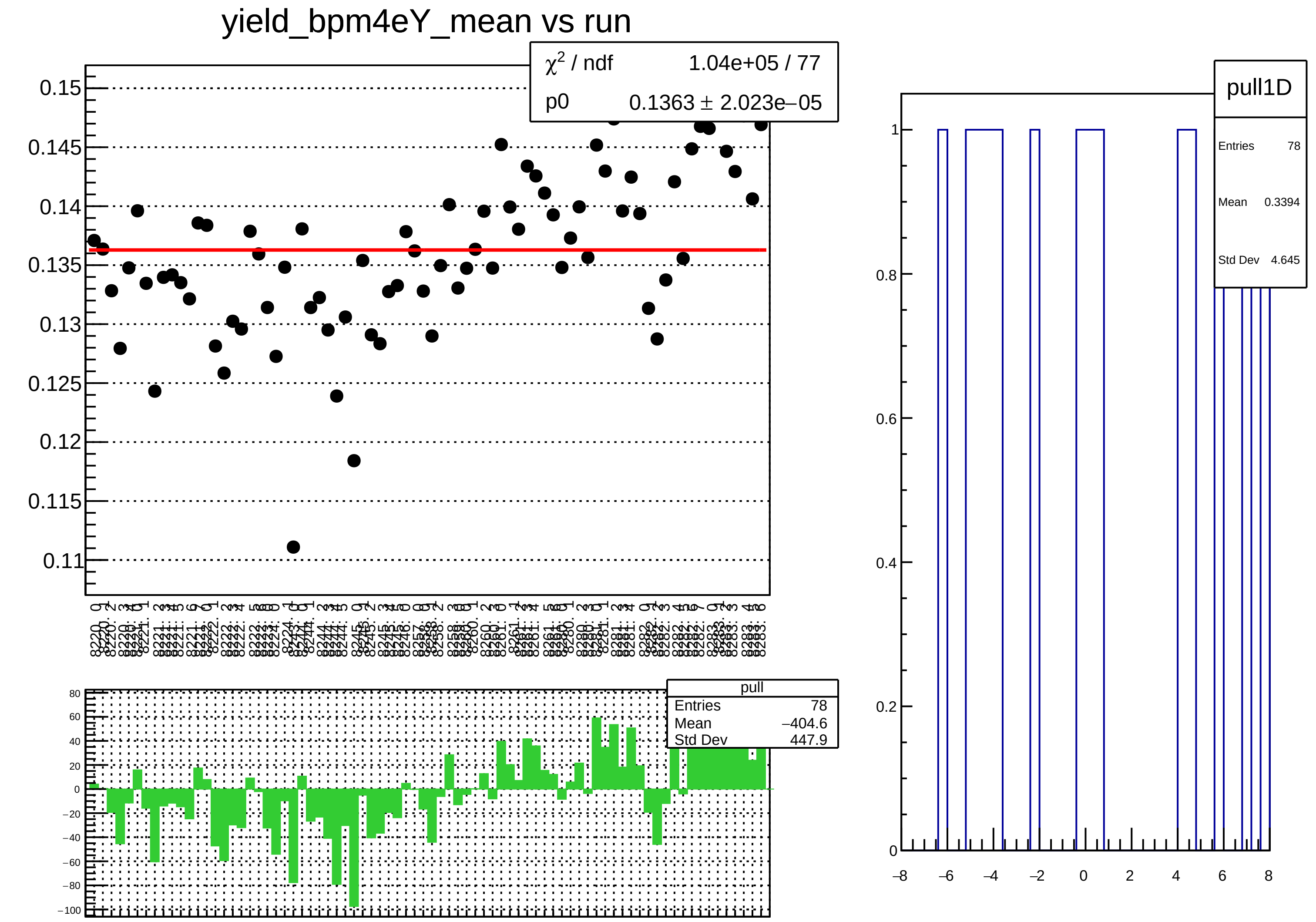

yield_bpm4aX_rms vs run
χ2 / ndf 4.926e+04 / 77
p0 0.0572 ± 4.774e−05
0.14
0.12
0.1
0.08
0.06
0.04


yield_bpm4aY_mean vs run
χ2 / ndf 1.03e+05 / 77
p0 0.3598 ± 2.125e−05
0.375
0.37
0.365
0.36
0.355
0.35
0.345
0.34
0.335
pull
Entries 78
Mean −427
Std Dev 470.4
pull1D
Entries 78
Mean −0.1286
Std Dev 4.719

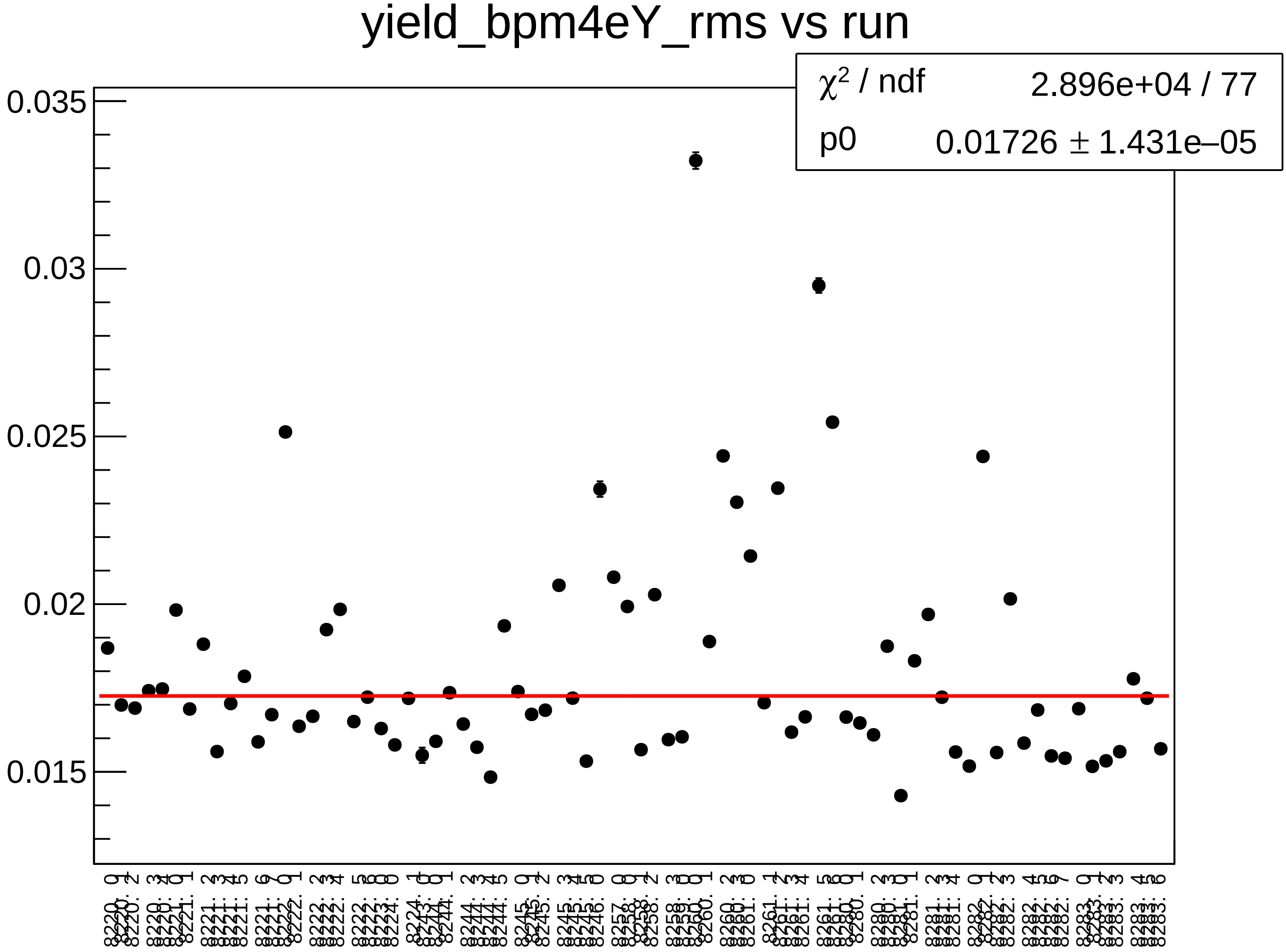

yield_bpm4aY_rms vs run
χ^2 / ndf 2.881e+04 / 77
p0 0.01813 ± 1.503e−05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014

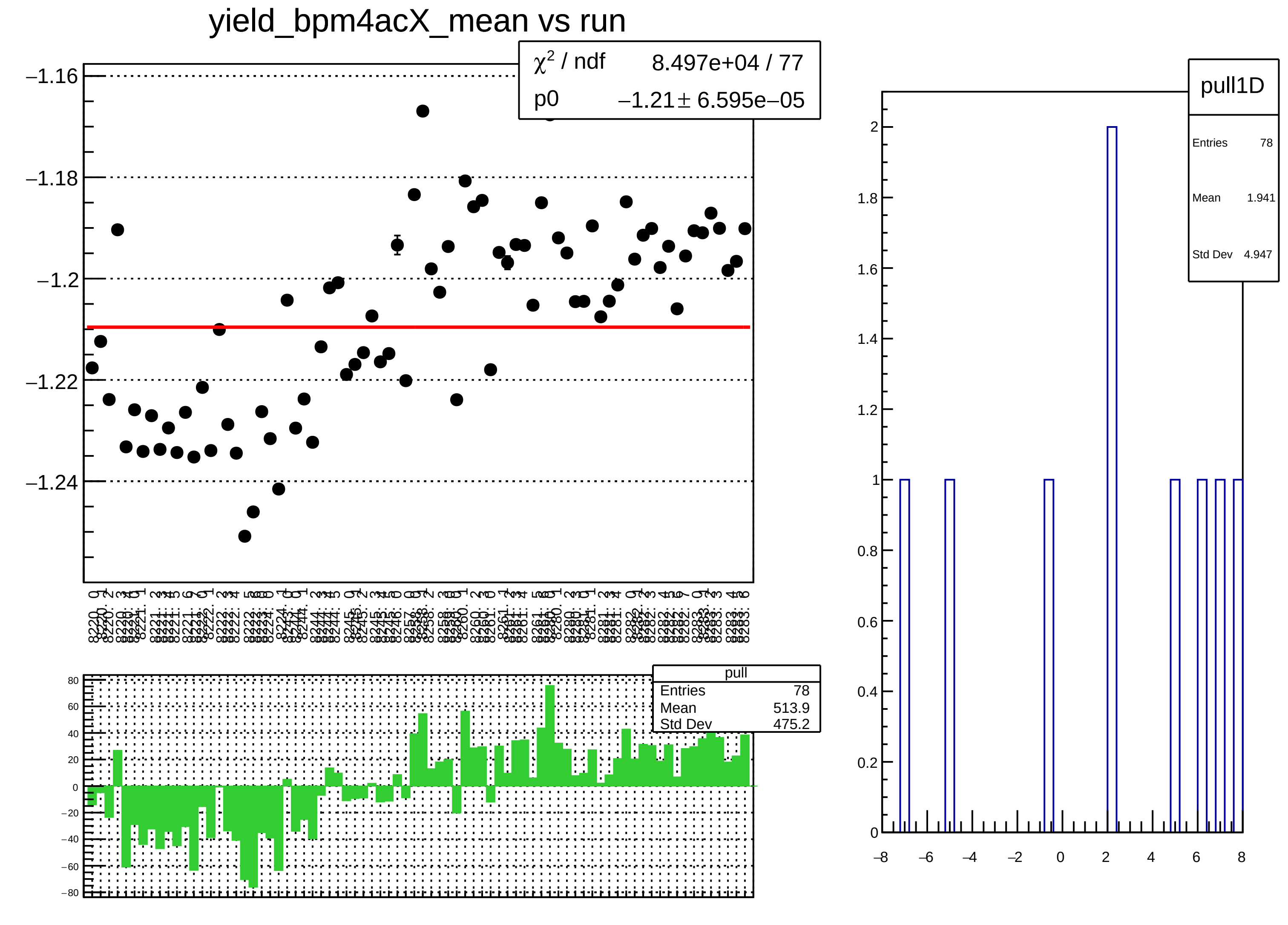

yield_bpm4eX_mean vs run
χ^2 / ndf 7.489e+04 / 77
p0 −0.468 ± 6.289e−05
pull
Entries 78
Mean 518.8
Std Dev 480.1
pull1D
Entries 78
Mean 2.001
Std Dev 5.111


yield_bpm4eX_rms vs run
χ2 / ndf 5.273e+04 / 77
p0 0.05322 ± 4.447e−05
0.14
0.12
0.1
0.08
0.06
0.04

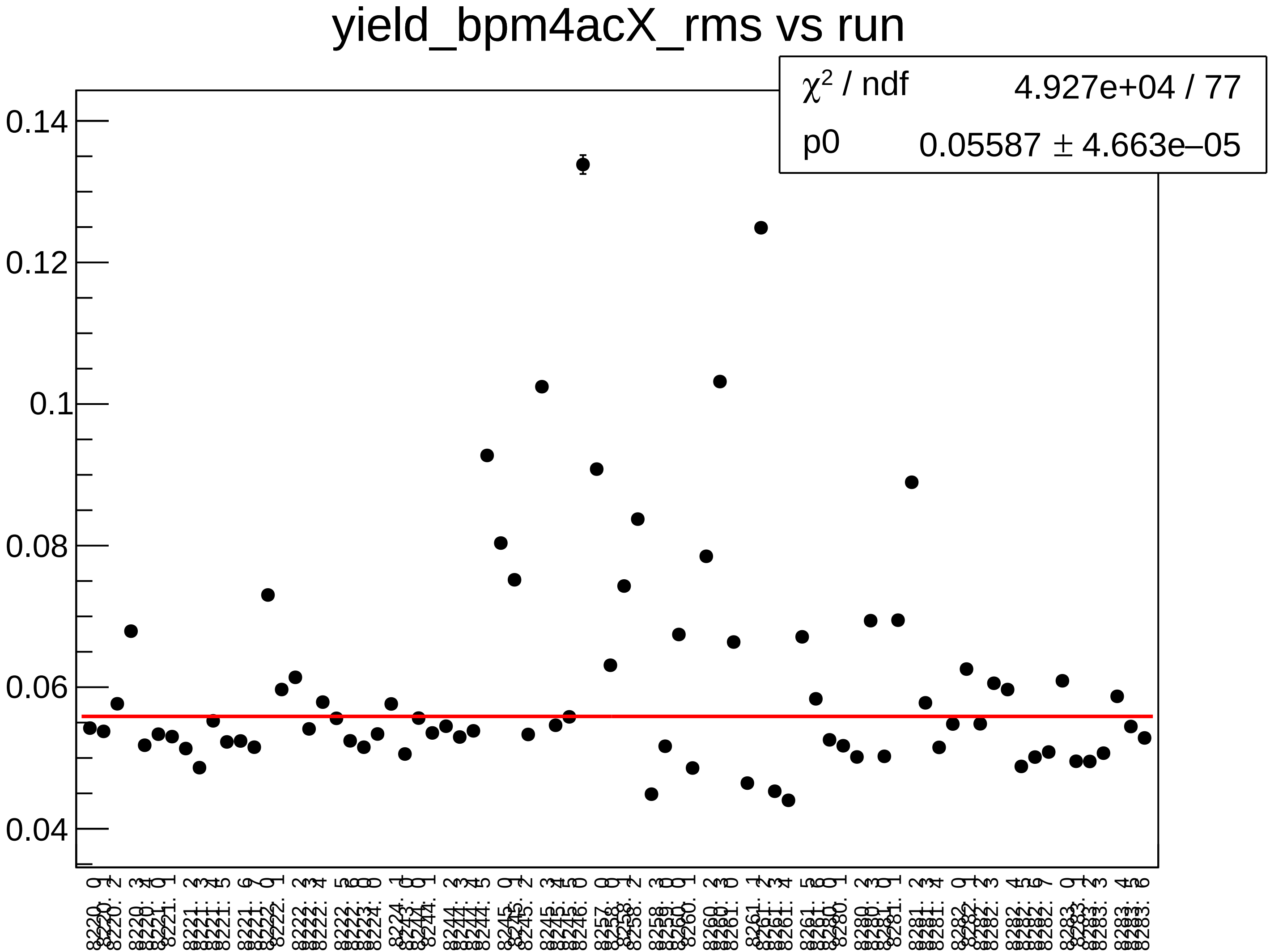


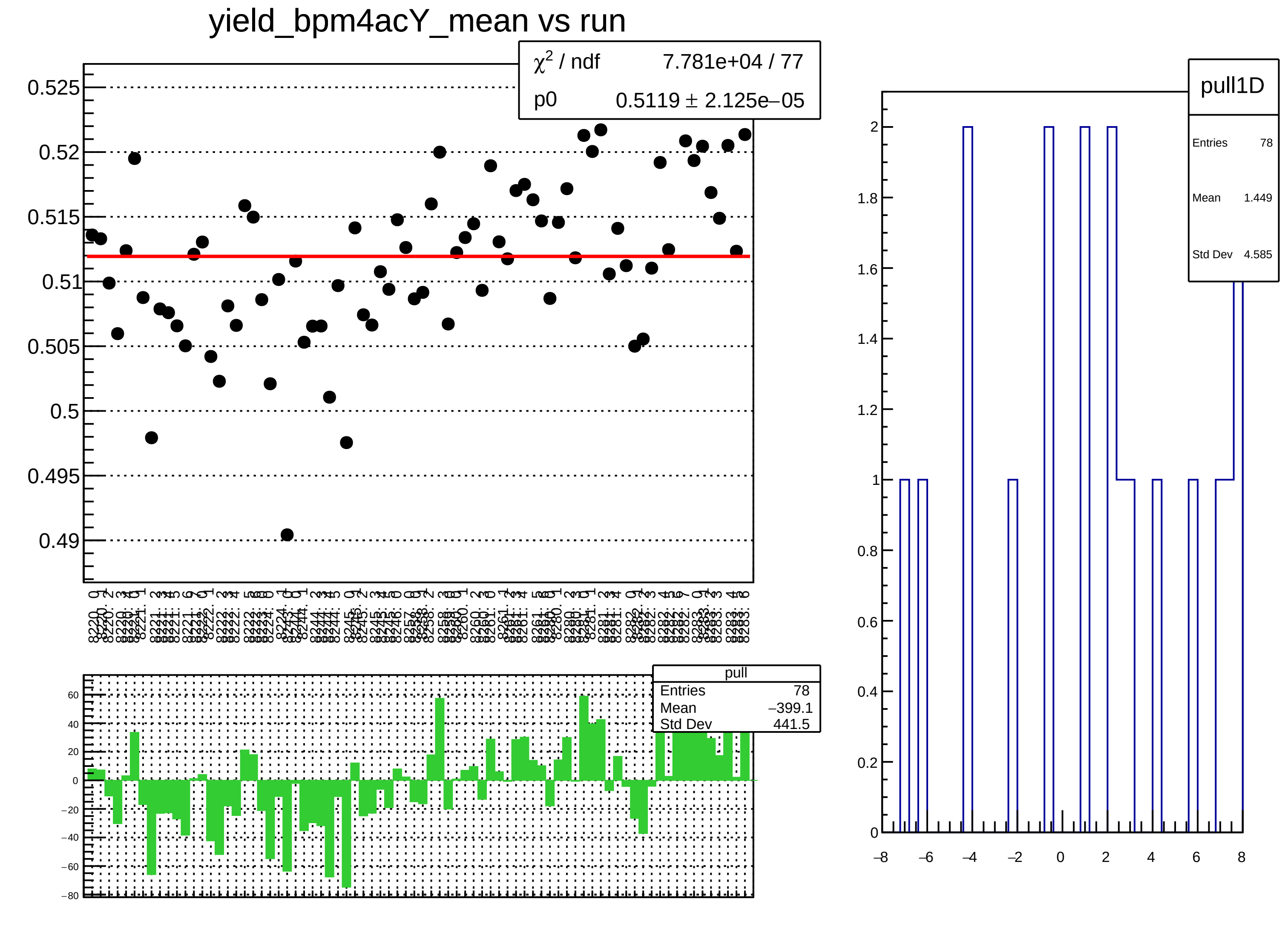
yield_bpm4eY_mean vs run
χ^2 / ndf 1.04e+05 / 77
p0 0.1363 ± 2.023e−05
pull
Entries 78
Mean −404.6
Std Dev 447.9
pull1D
Entries 78
Mean 0.3394
Std Dev 4.645

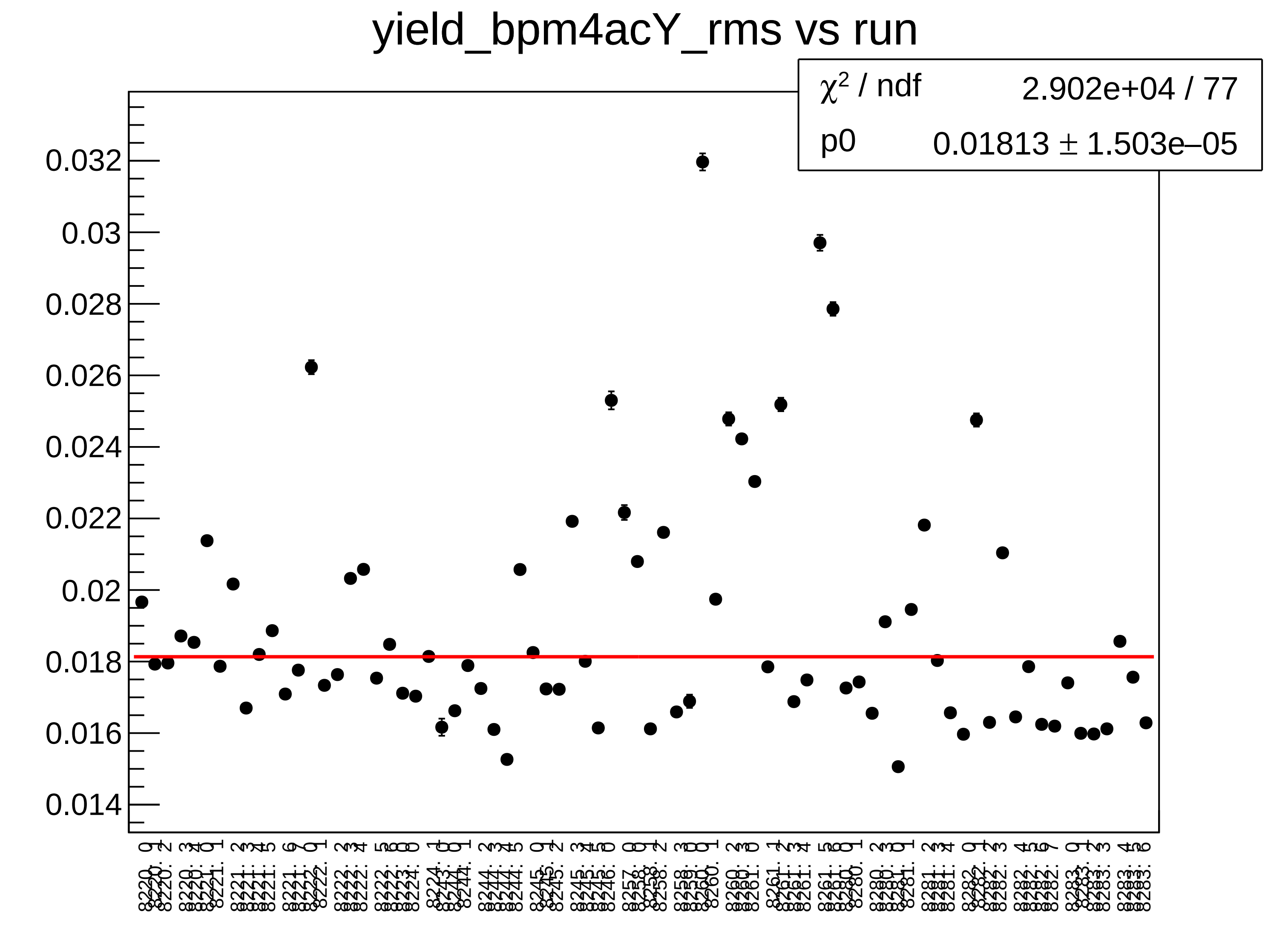

yield_bpm4eY_rms vs run
χ2 / ndf 2.896e+04 / 77
p0 0.01726 ± 1.431e−05
0.035
0.03
0.025
0.02
0.015

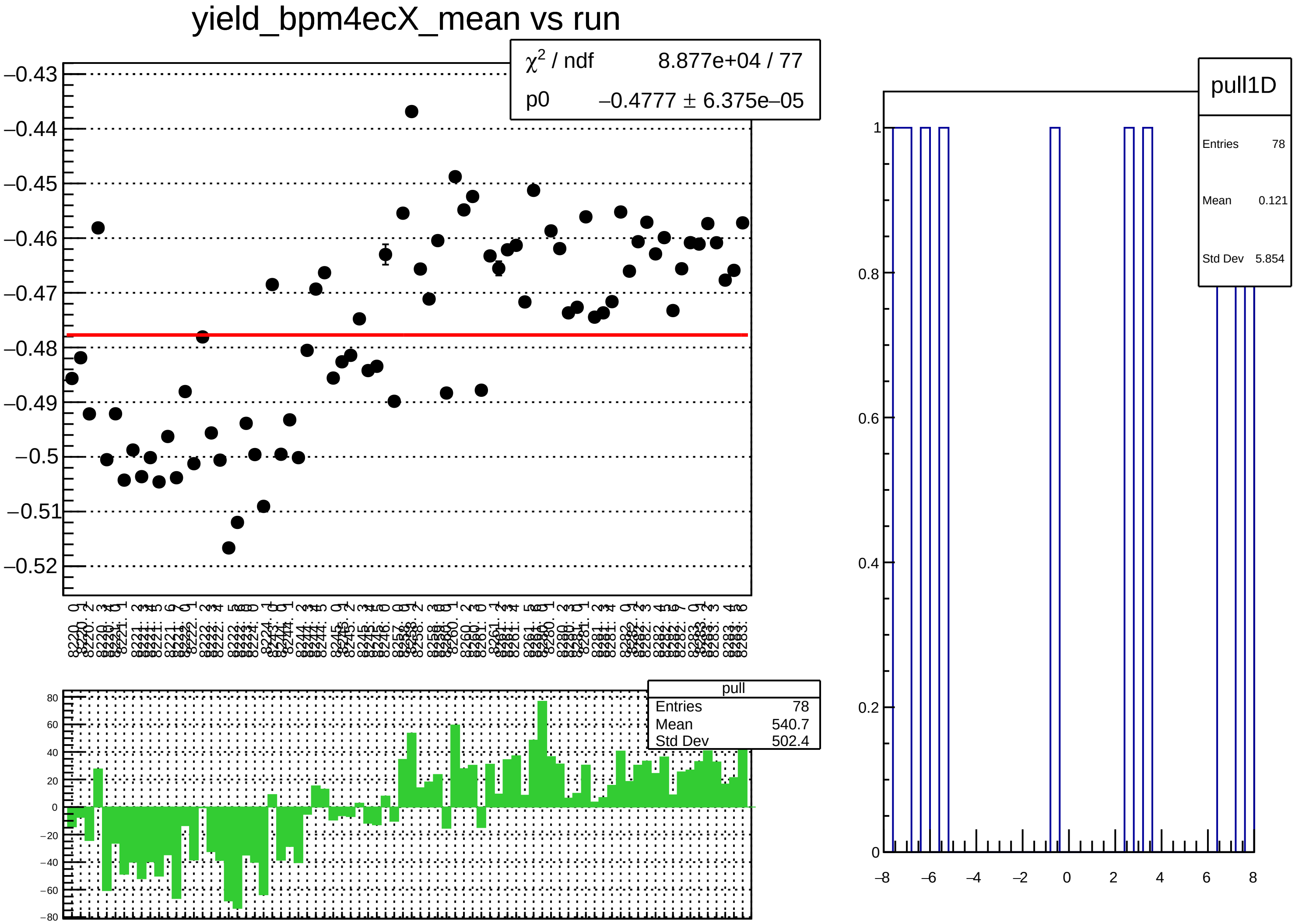


yield_bpm4acX_mean vs run
χ^2 / ndf 8.497e+04 / 77
p0 −1.21 ± 6.595e−05
pull
Entries 78
Mean 513.9
Std Dev 475.2
pull1D
Entries 78
Mean 1.941
Std Dev 4.947

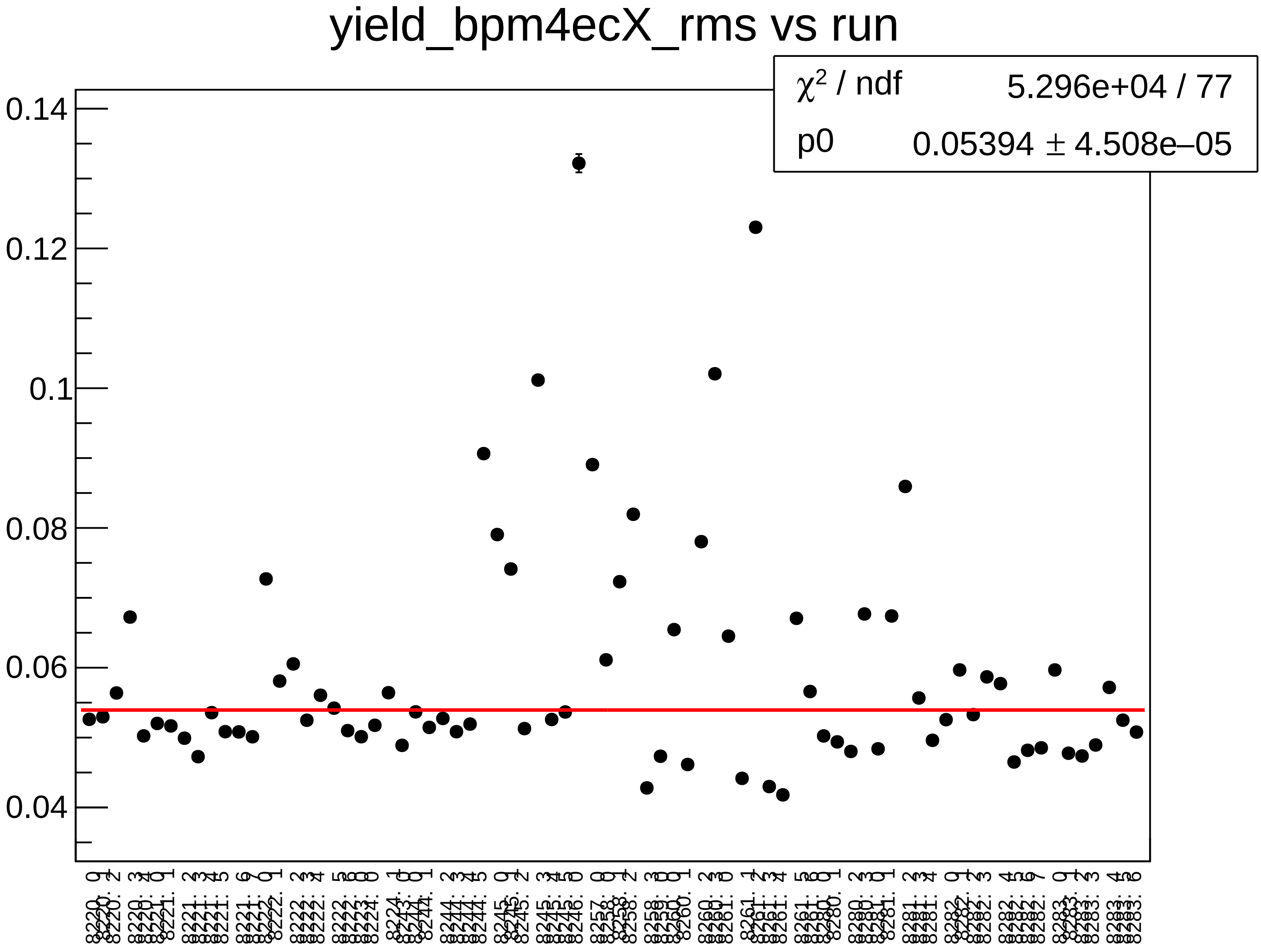

yield_bpm4acX_rms vs run
χ^2 / ndf 4.927e+04 / 77
p0 0.05587 ± 4.663e−05
0.14
0.12
0.1
0.08
0.06
0.04


yield_bpm4acY_mean vs run
χ^2 / ndf 7.781e+04 / 77
p0 0.5119 ± 2.125e−05
pull
Entries 78
Mean −399.1
Std Dev 441.5
pull1D
Entries 78
Mean 1.449
Std Dev 4.585

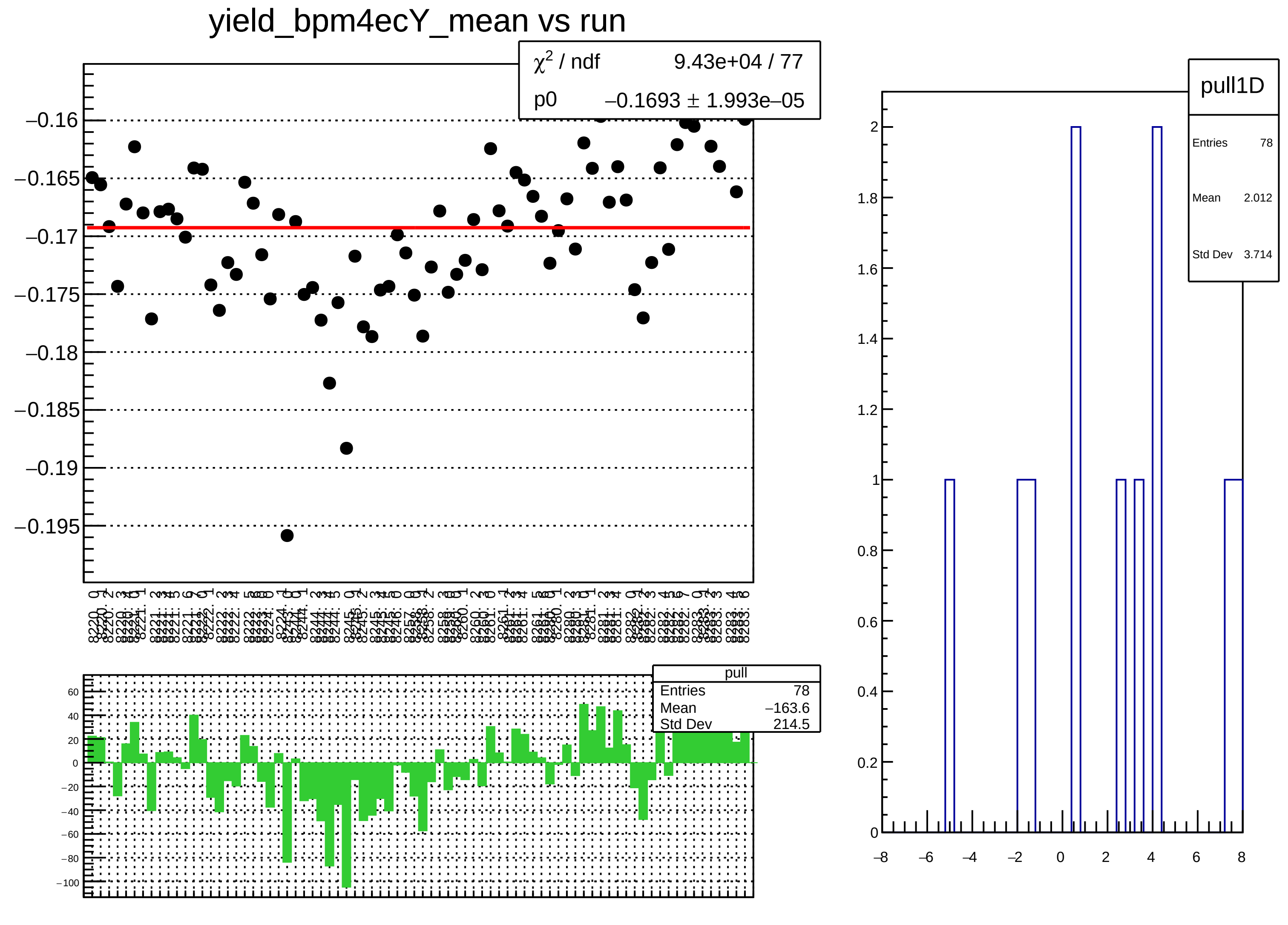

yield_bpm4acY_rms vs run
χ2 / ndf 2.902e+04 / 77
p0 0.01813 ± 1.503e−05
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014

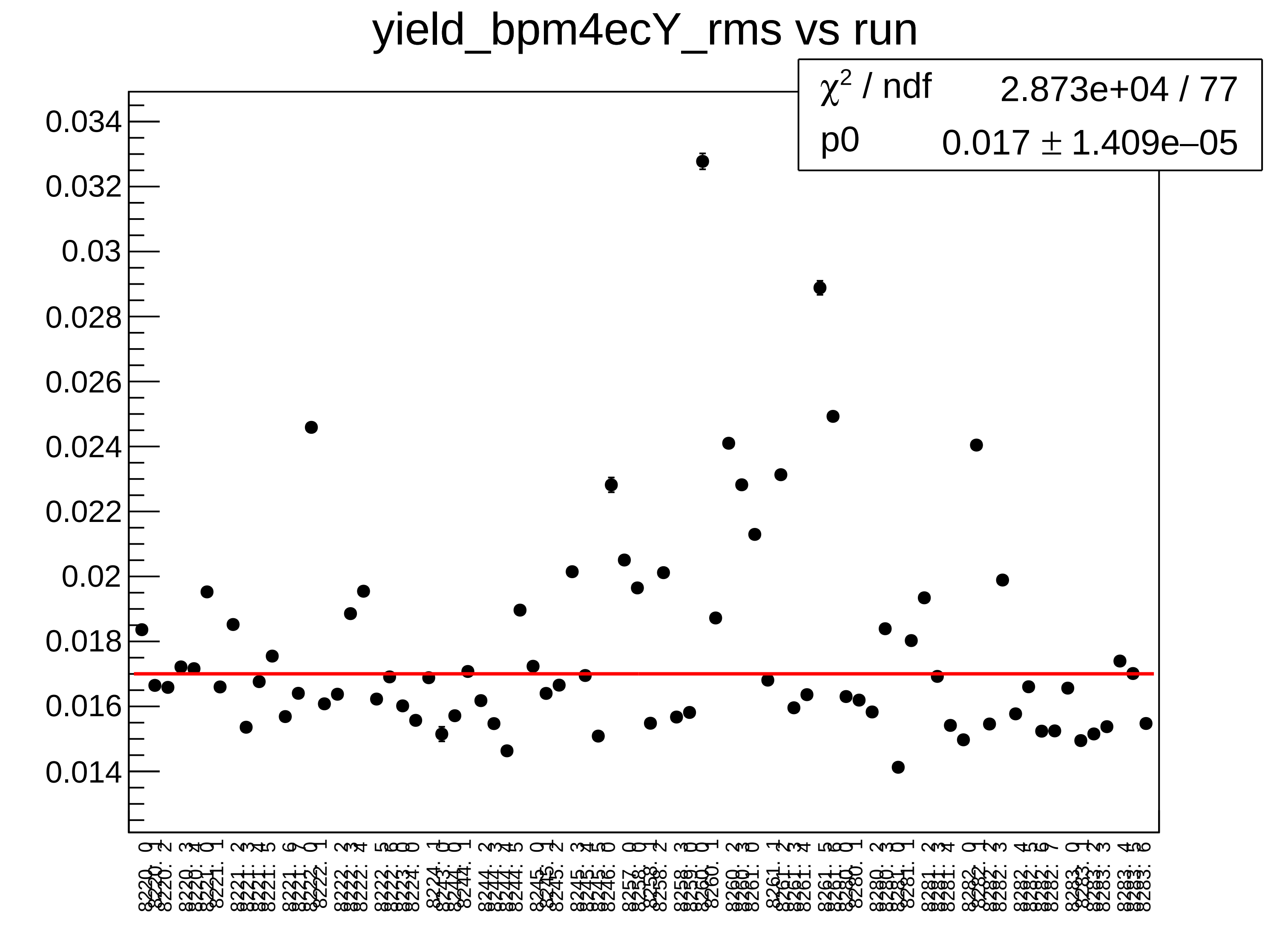


yield_bpm4ecX_mean vs run
χ^2 / ndf 8.877e+04 / 77
p0 −0.4777 ± 6.375e−05
pull
Entries 78
Mean 540.7
Std Dev 502.4
pull1D
Entries 78
Mean 0.121
Std Dev 5.854

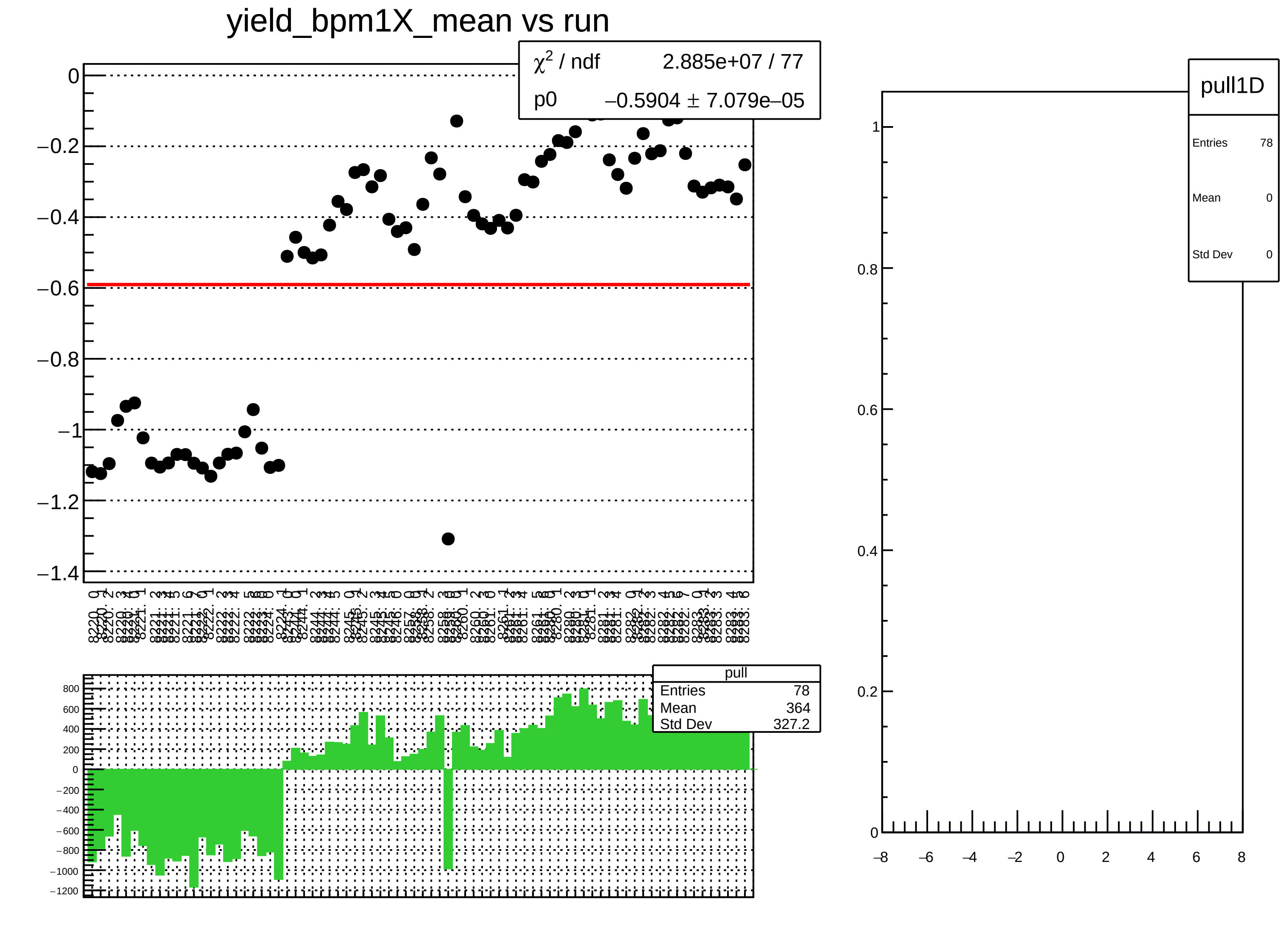


yield_bpm4ecX_rms vs run
χ^2 / ndf 5.296e+04 / 77
p0 0.05394 ± 4.508e−05
0.14
0.12
0.1
0.08
0.06
0.04

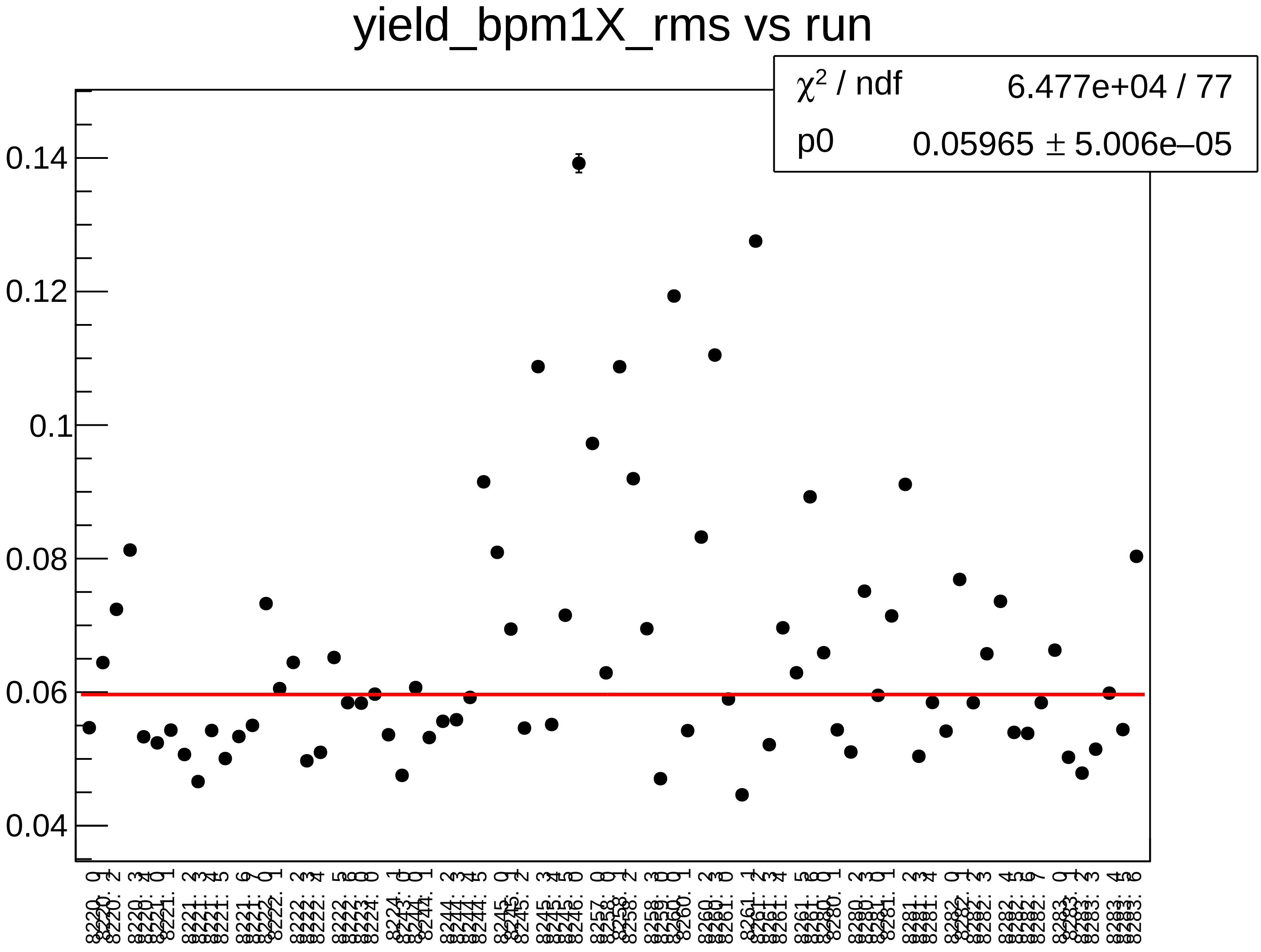

yield_bpm4ecY_mean vs run
χ^2 / ndf 9.43e+04 / 77
p0 −0.1693 ± 1.993e−05
pull
Entries 78
Mean −163.6
Std Dev 214.5
pull1D
Entries 78
Mean 2.012
Std Dev 3.714

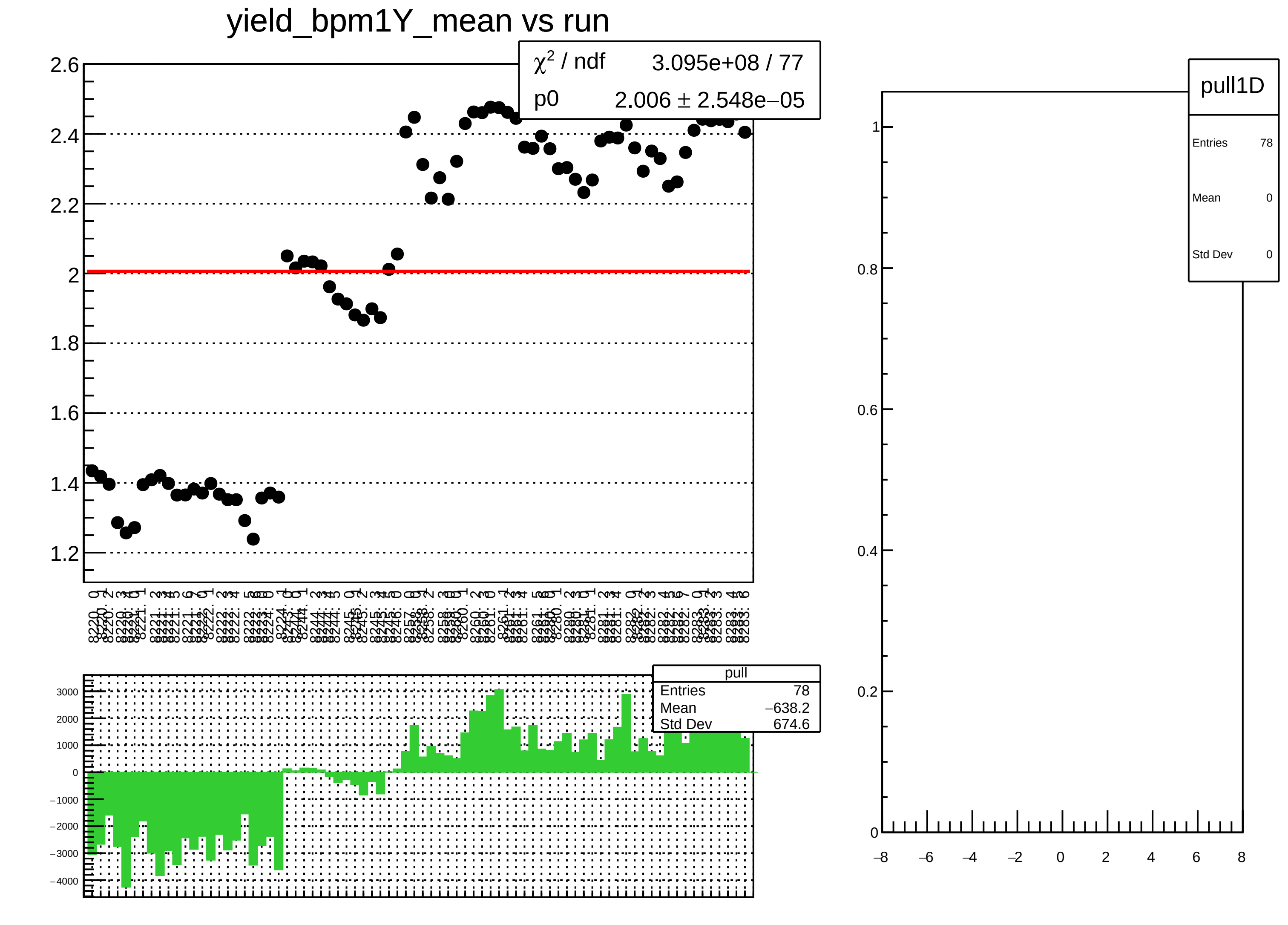


yield_bpm4ecY_rms vs run
χ2 / ndf 2.873e+04 / 77
p0 0.017 ± 1.409e−05
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014

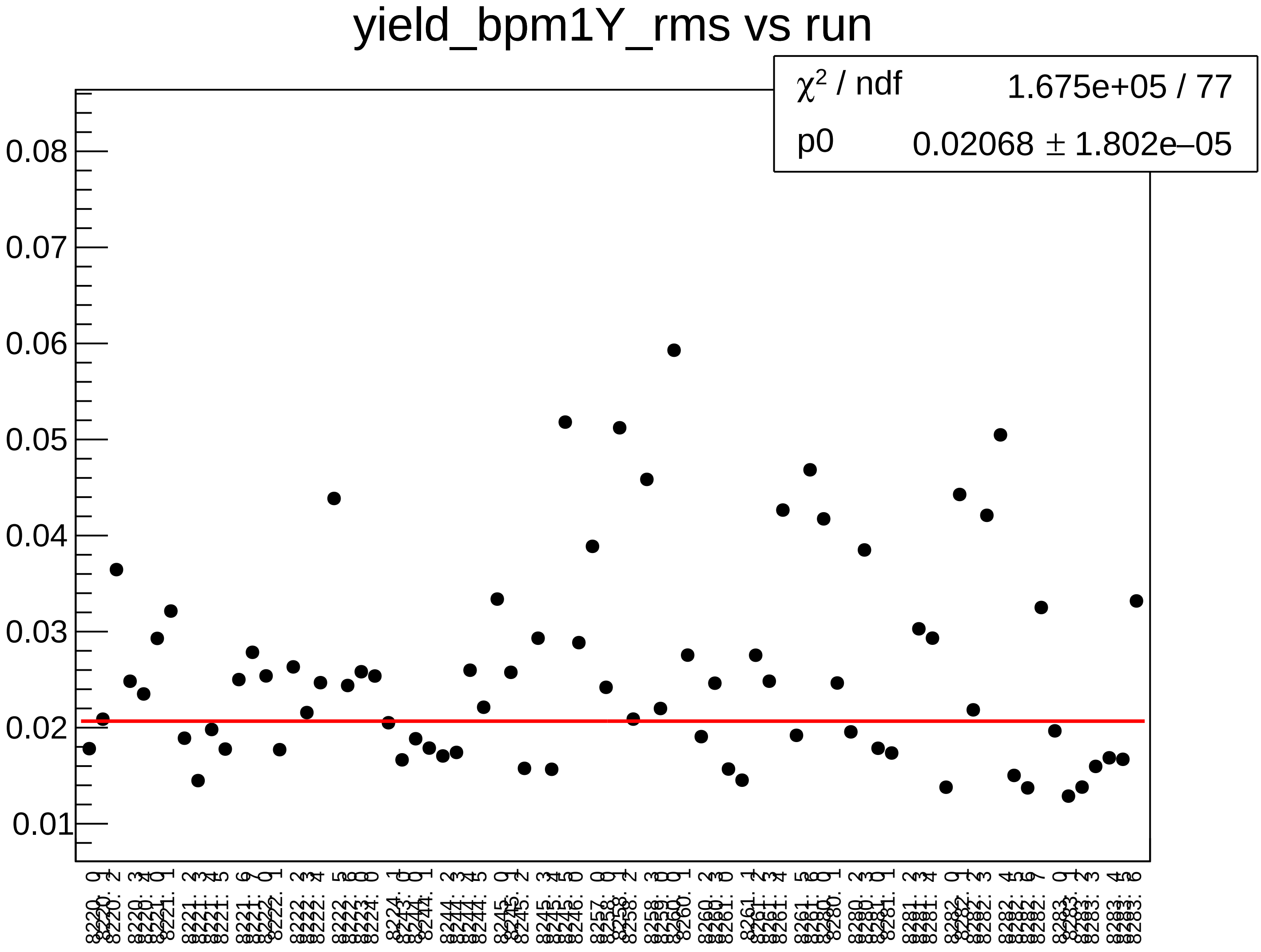


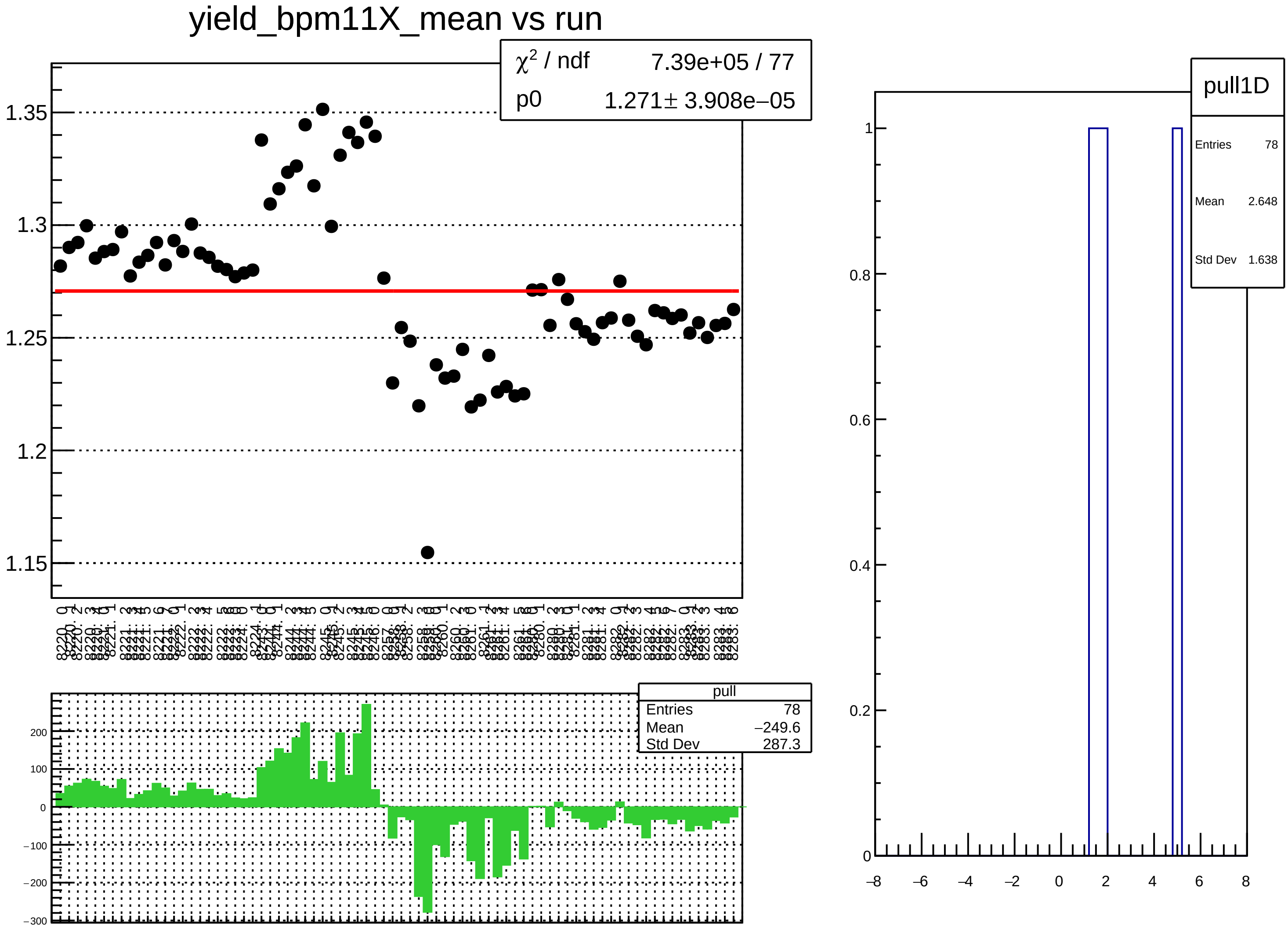
yield_bpm1X_mean vs run
χ^2 / ndf 2.885e+07 / 77
p0 −0.5904 ± 7.079e−05
pull
Entries 78
Mean 364
Std Dev 327.2
pull1D
Entries 78
Mean 0
Std Dev 0


yield_bpm1X_rms vs run
χ^2 / ndf 6.477e+04 / 77
p0 0.05965 ± 5.006e−05
0.14
0.12
0.1
0.08
0.06
0.04

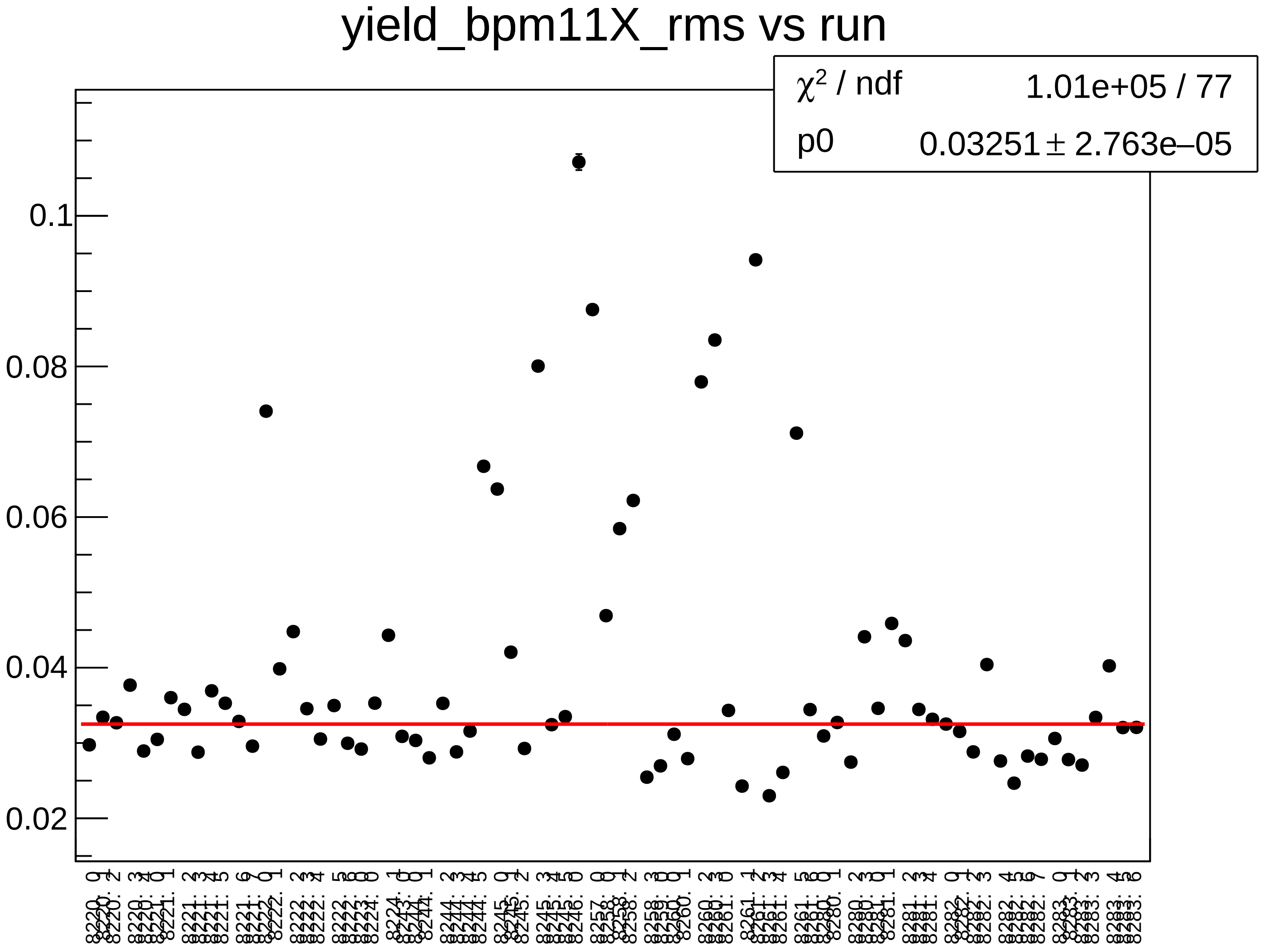


yield_bpm1Y_mean vs run
χ^2 / ndf 3.095e+08 / 77
p0 2.006 ± 2.548e−05
pull
Entries 78
Mean −638.2
Std Dev 674.6
pull1D
Entries 78
Mean 0
Std Dev 0

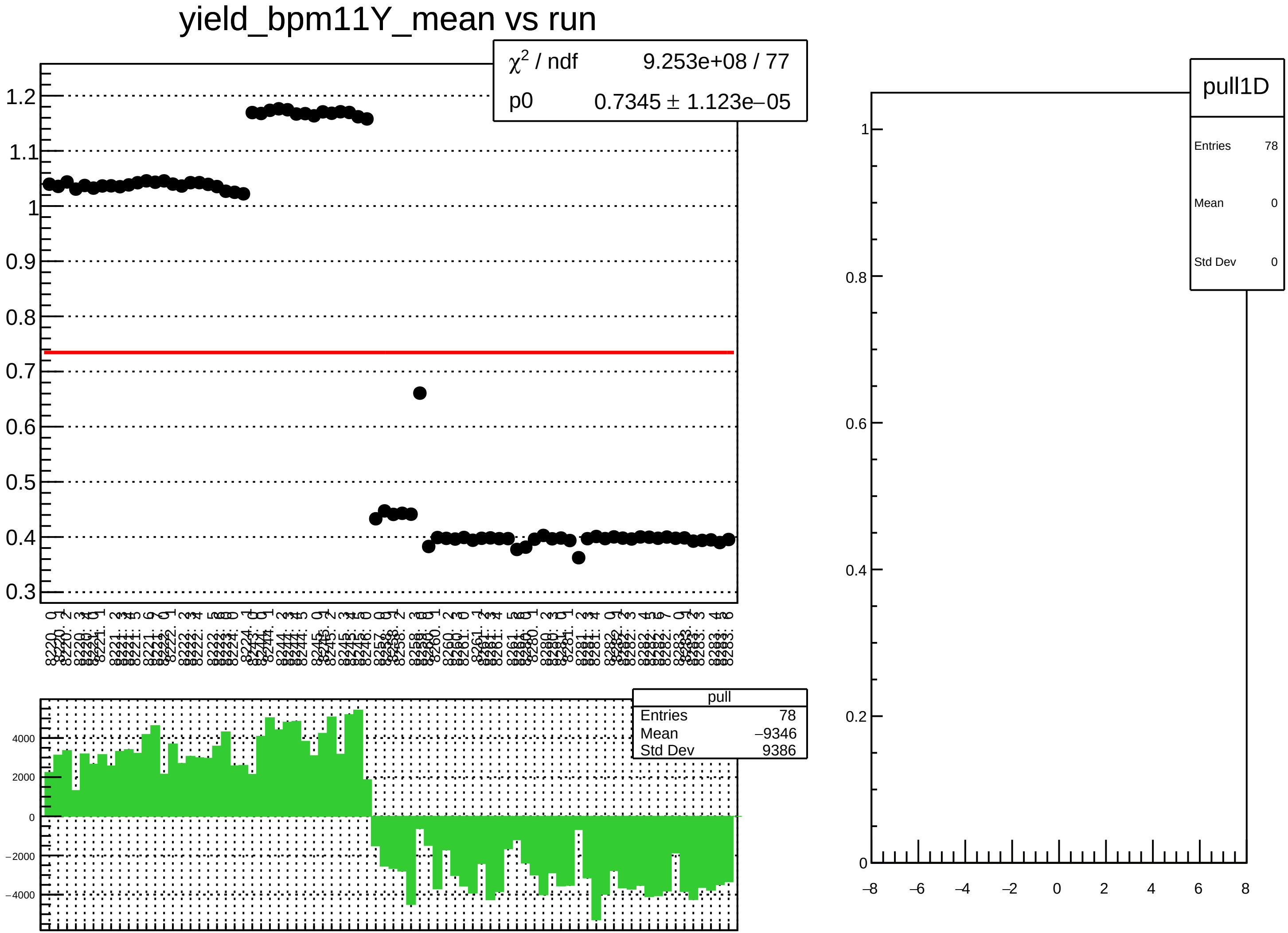

yield_bpm1Y_rms vs run
χ^2 / ndf 1.675e+05 / 77
p0 0.02068 ± 1.802e−05



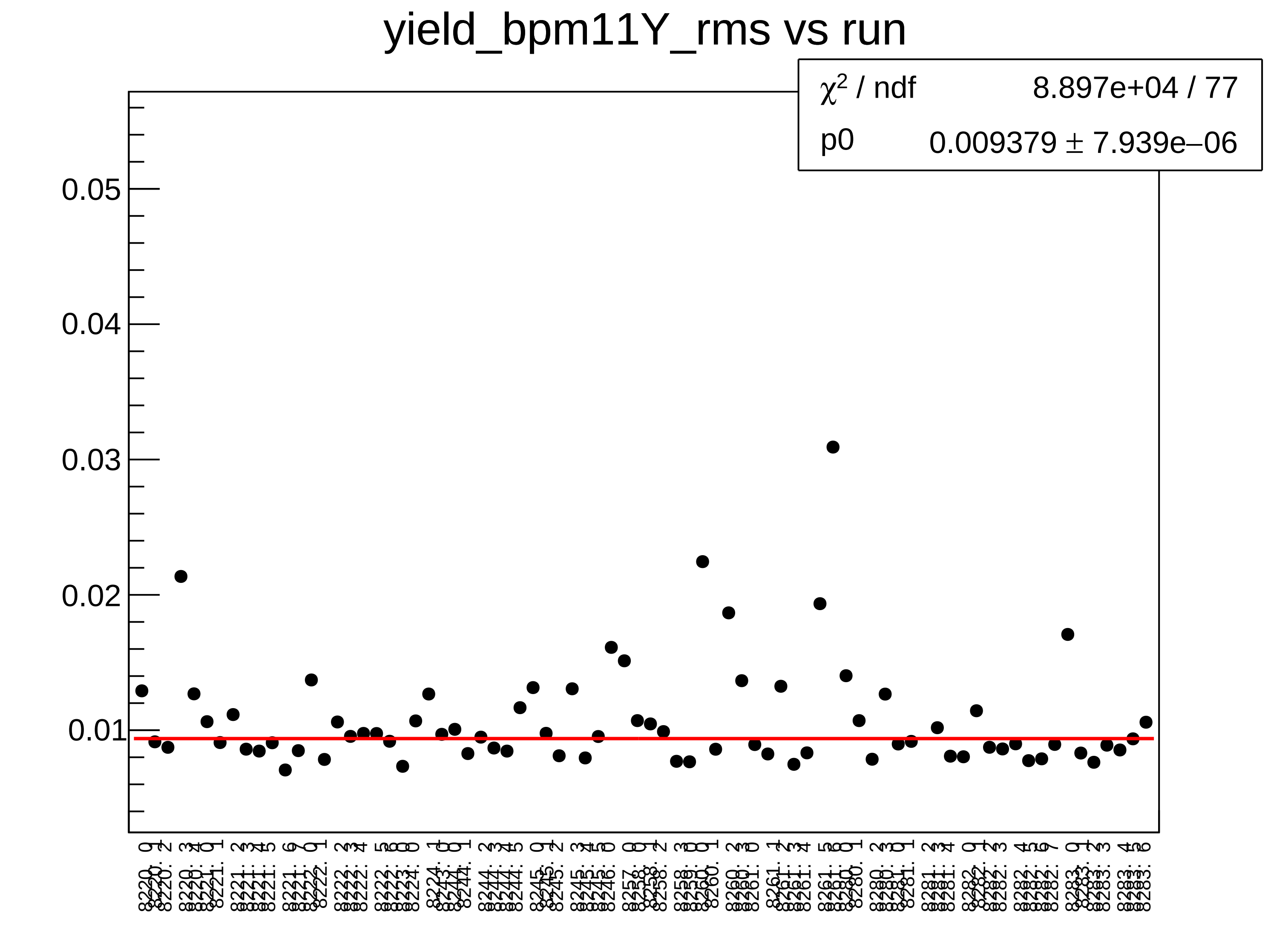
yield_bpm11X_mean vs run
χ^2 / ndf 7.39e+05 / 77
p0 1.271± 3.908e−05
1.35
1.3
1.25
1.2
1.15
pull
Entries 78
Mean −249.6
Std Dev 287.3
200
100
0
−100
−200
−300
pull1D
Entries 78
Mean 2.648
Std Dev 1.638
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8

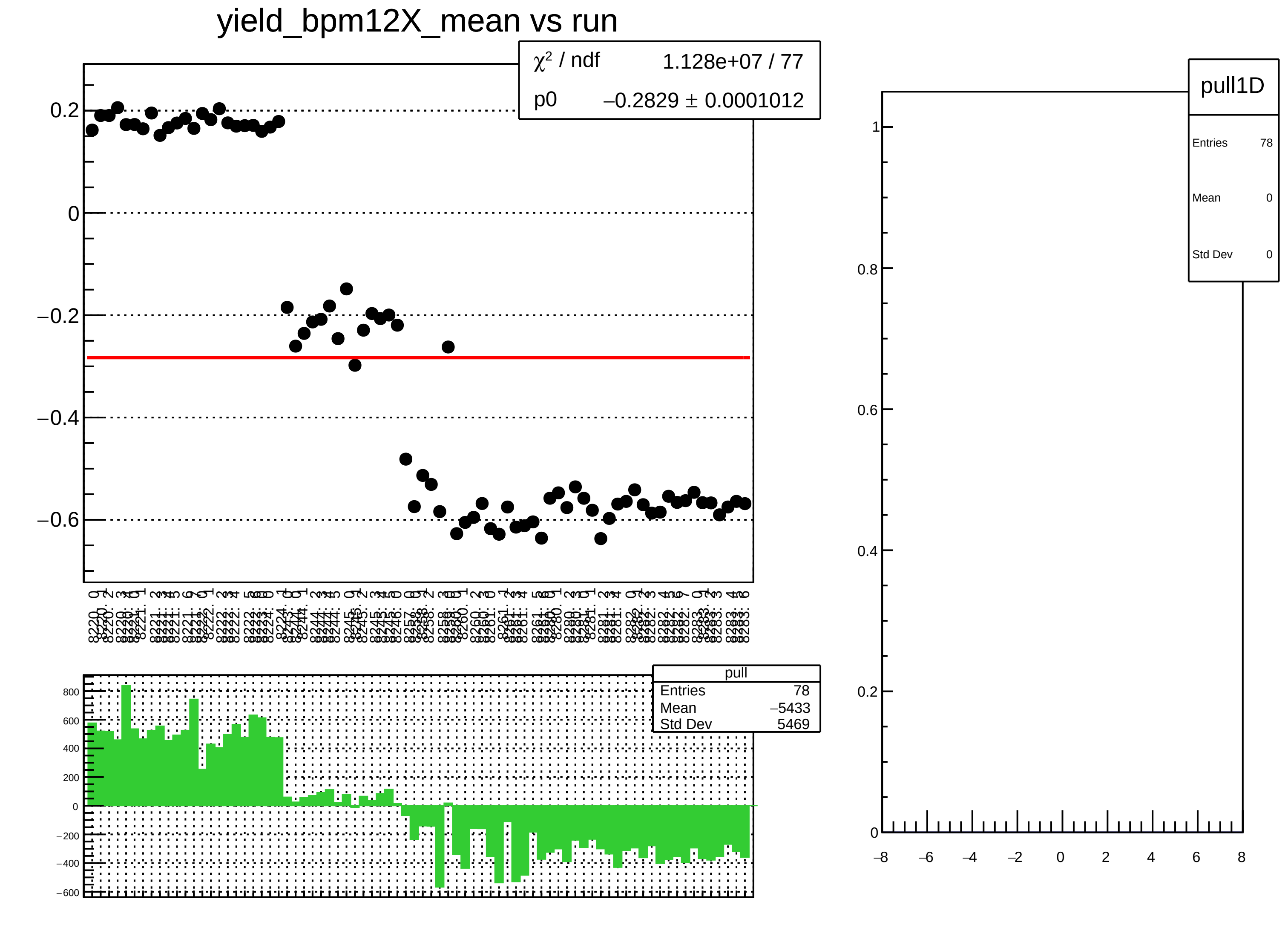


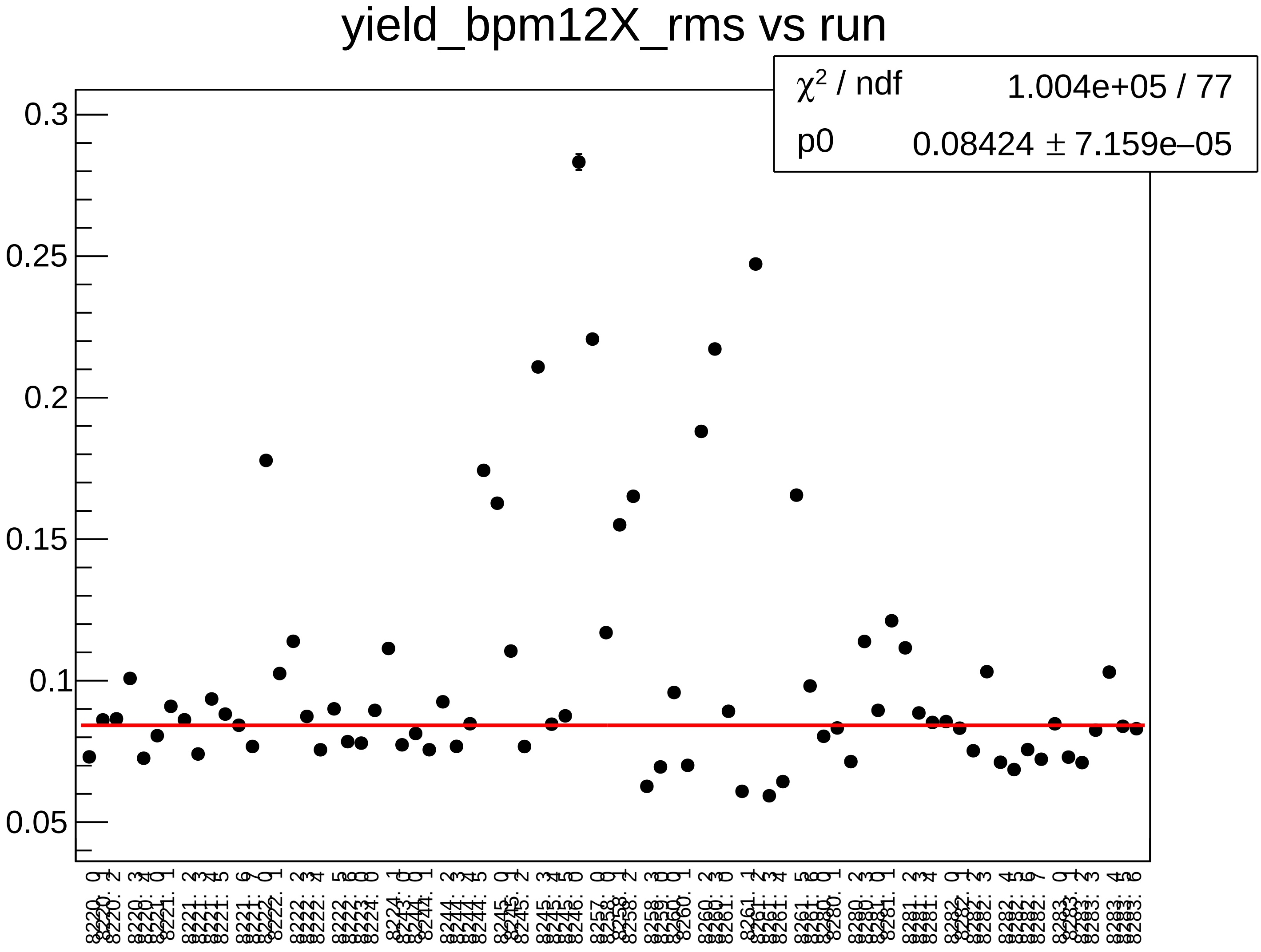
yield_bpm11X_rms vs run
χ^2 / ndf 1.01e+05 / 77
p0 0.03251 ± 2.763e−05
0.1
0.08
0.06
0.04
0.02

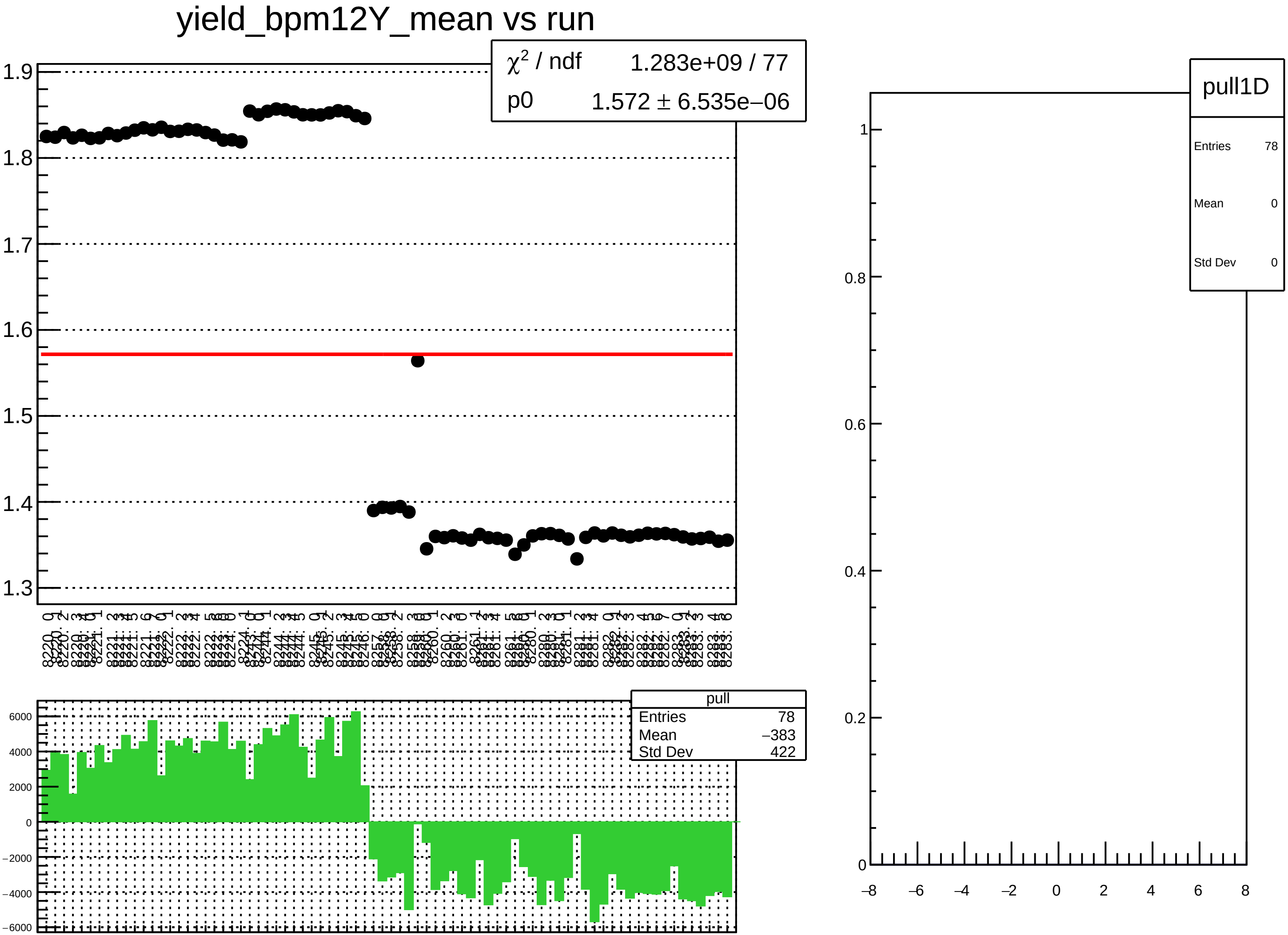


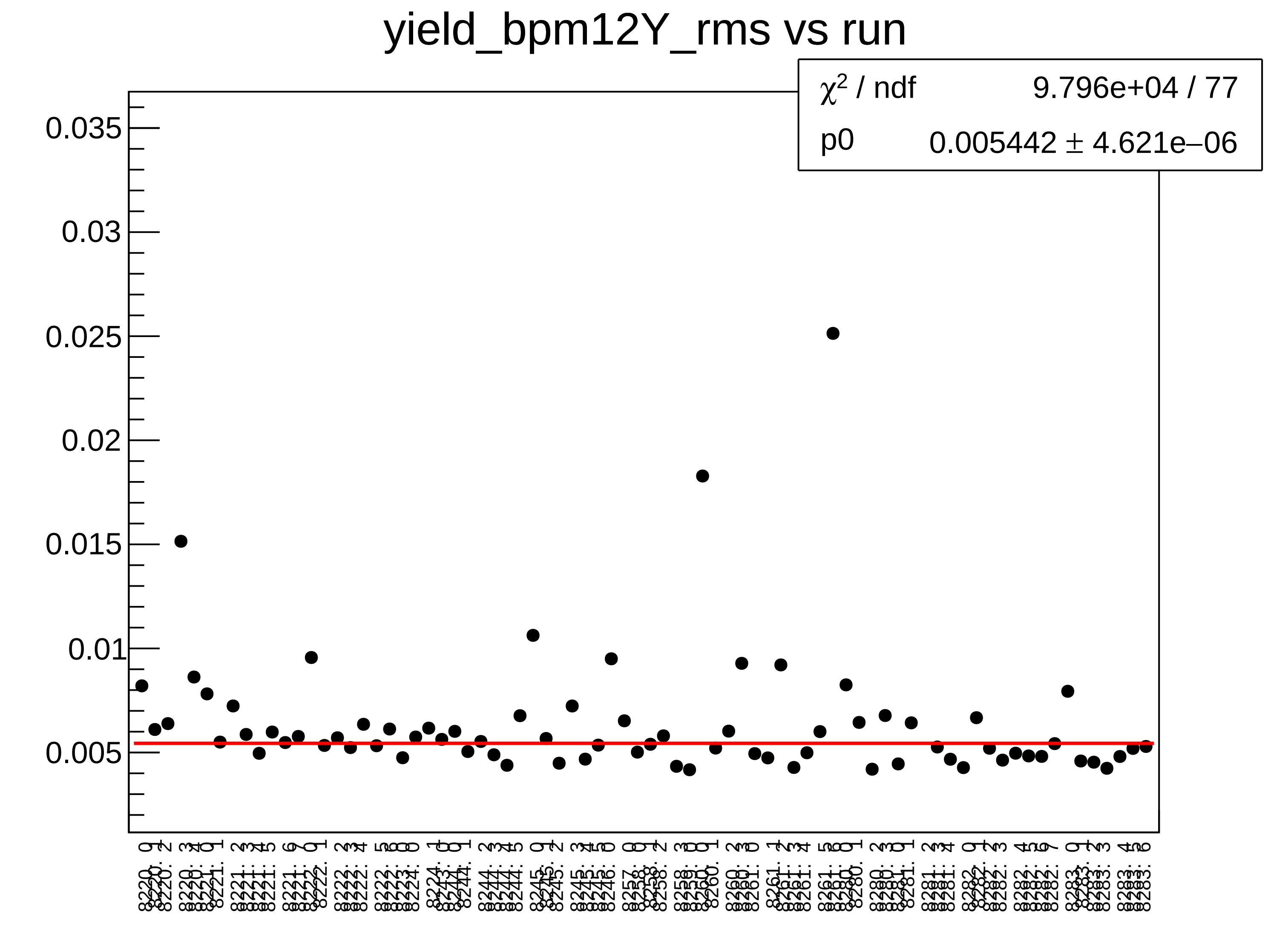
yield_bpm11Y_mean vs run
χ2 / ndf 9.253e+08 / 77
p0 0.7345 ± 1.123e−05
pull
Entries 78
Mean −9346
Std Dev 9386
pull1D
Entries 78
Mean 0
Std Dev 0

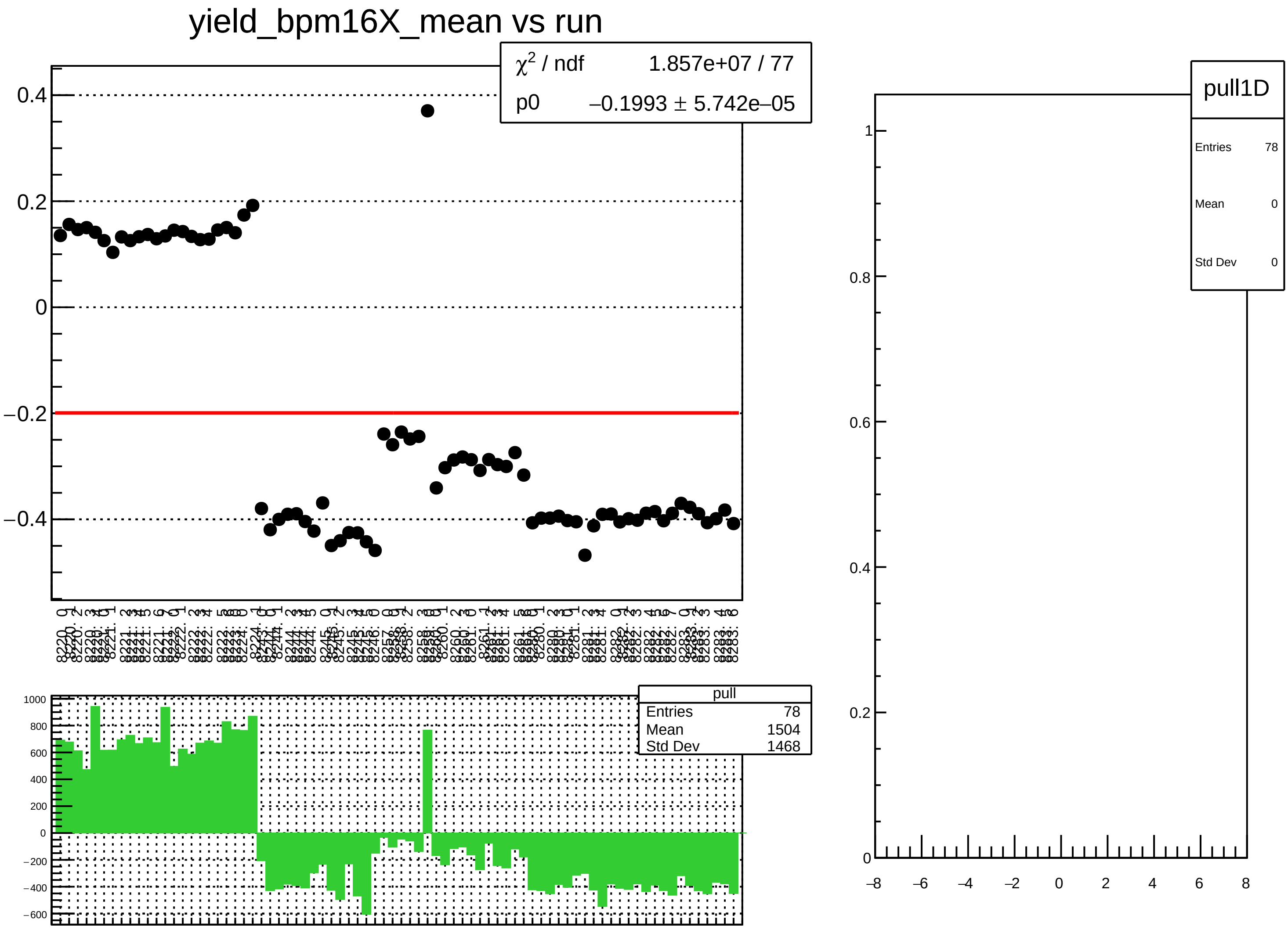

yield_bpm11Y_rms vs run
χ2 / ndf 8.897e+04 / 77
p0 0.009379 ± 7.939e−06
0.05
0.04
0.03
0.02
0.01

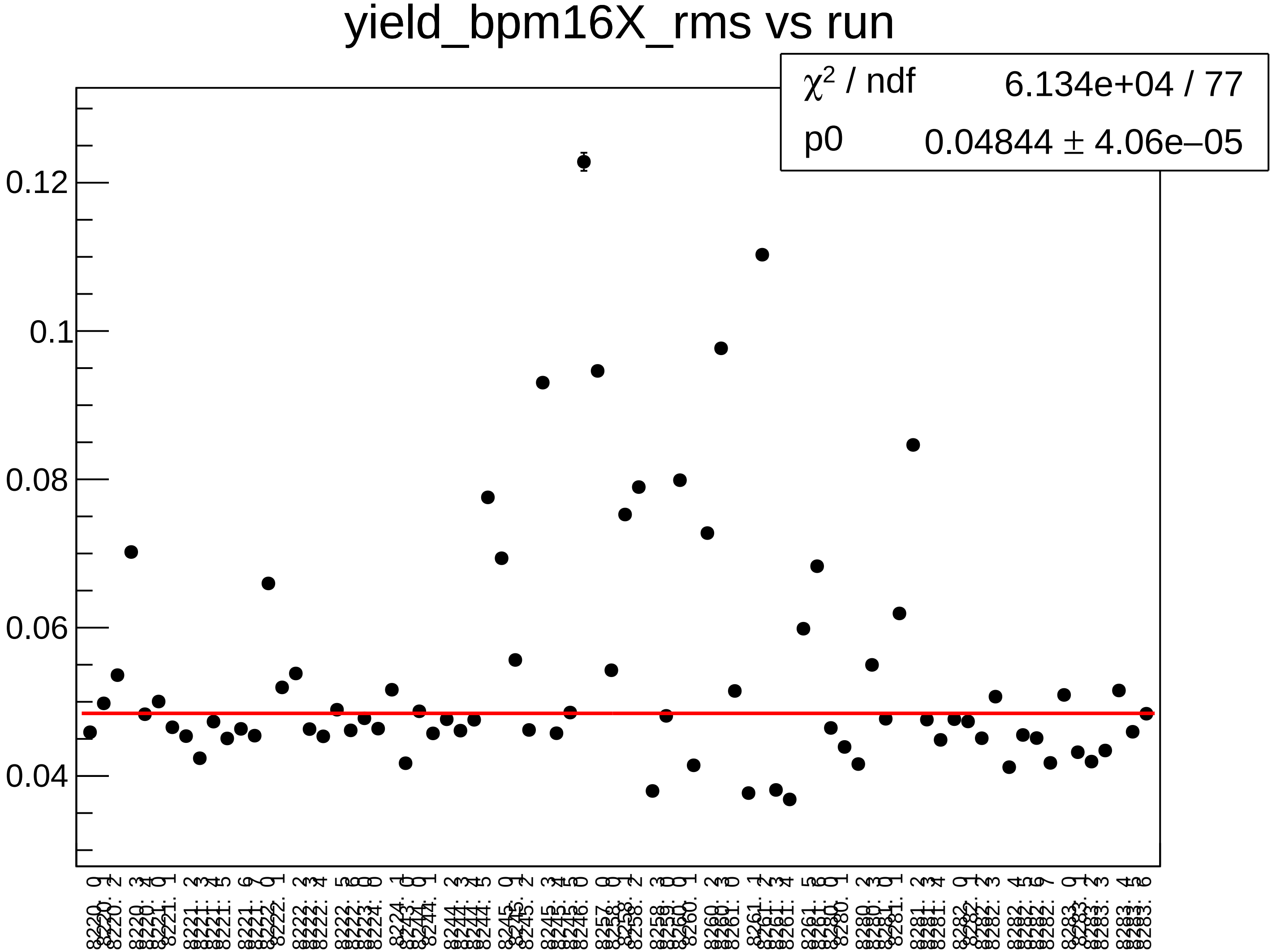

yield_bpm12X_mean vs run
χ2 / ndf 1.128e+07 / 77
p0 −0.2829 ± 0.0001012
0.2
0
−0.2
−0.4
−0.6
pull
Entries 78
Mean −5433
Std Dev 5469
800
600
400
200
0
−200
−400
−600
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm12X_rms vs run
χ^2 / ndf 1.004e+05 / 77
p0 0.08424 ± 7.159e−05
0.3
0.25
0.2
0.15
0.1
0.05


yield_bpm12Y_mean vs run
χ2 / ndf 1.283e+09 / 77
p0 1.572 ± 6.535e−06
pull
Entries 78
Mean −383
Std Dev 422
pull1D
Entries 78
Mean 0
Std Dev 0

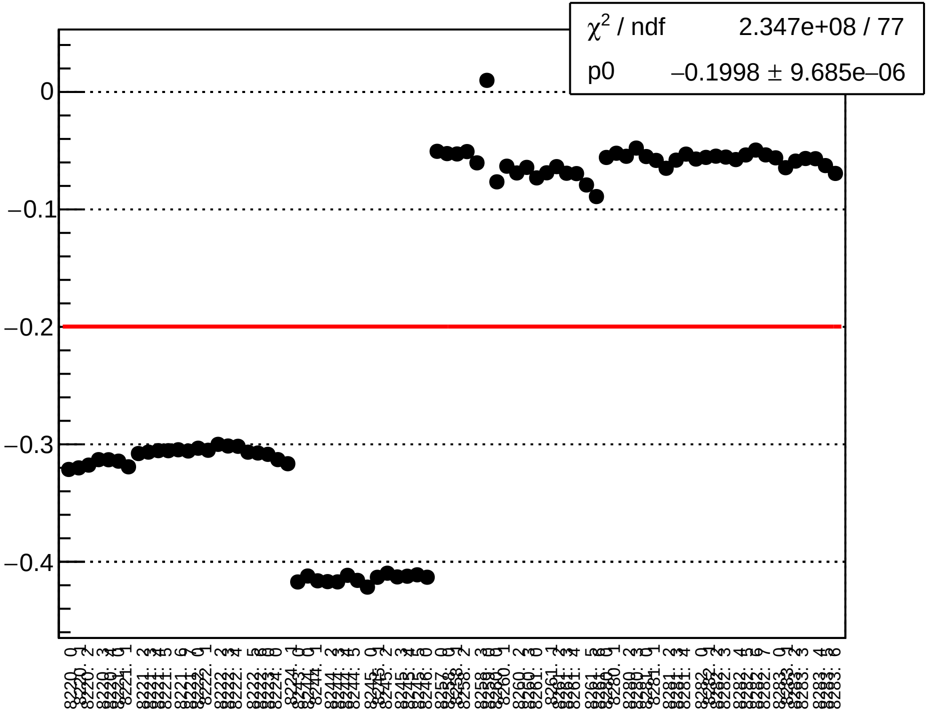

yield_bpm12Y_rms vs run
χ^2 / ndf 9.796e+04 / 77
p0 0.005442 ± 4.621e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

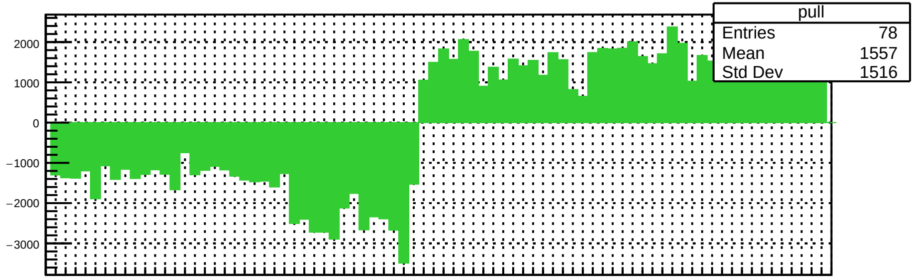

yield_bpm16X_mean vs run
χ2 / ndf 1.857e+07 / 77
p0 −0.1993 ± 5.742e−05
pull
Entries 78
Mean 1504
Std Dev 1468
pull1D
Entries 78
Mean 0
Std Dev 0

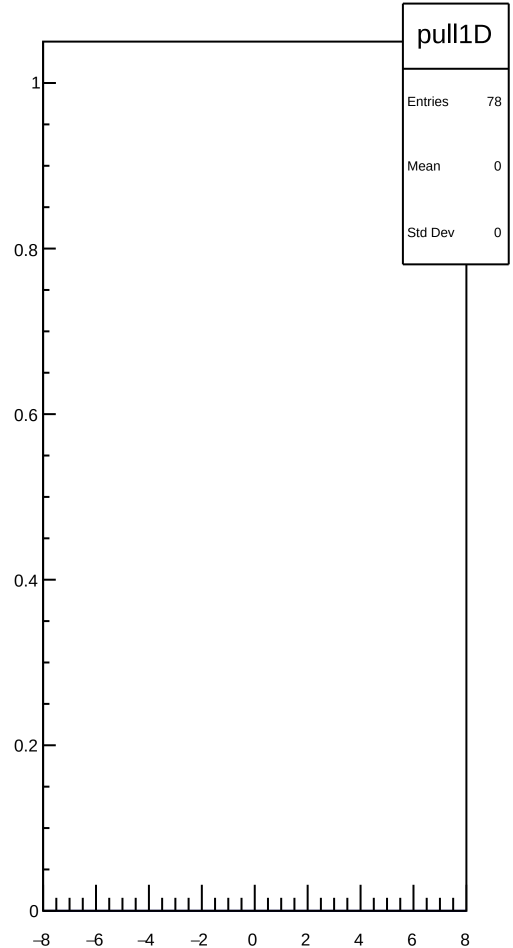


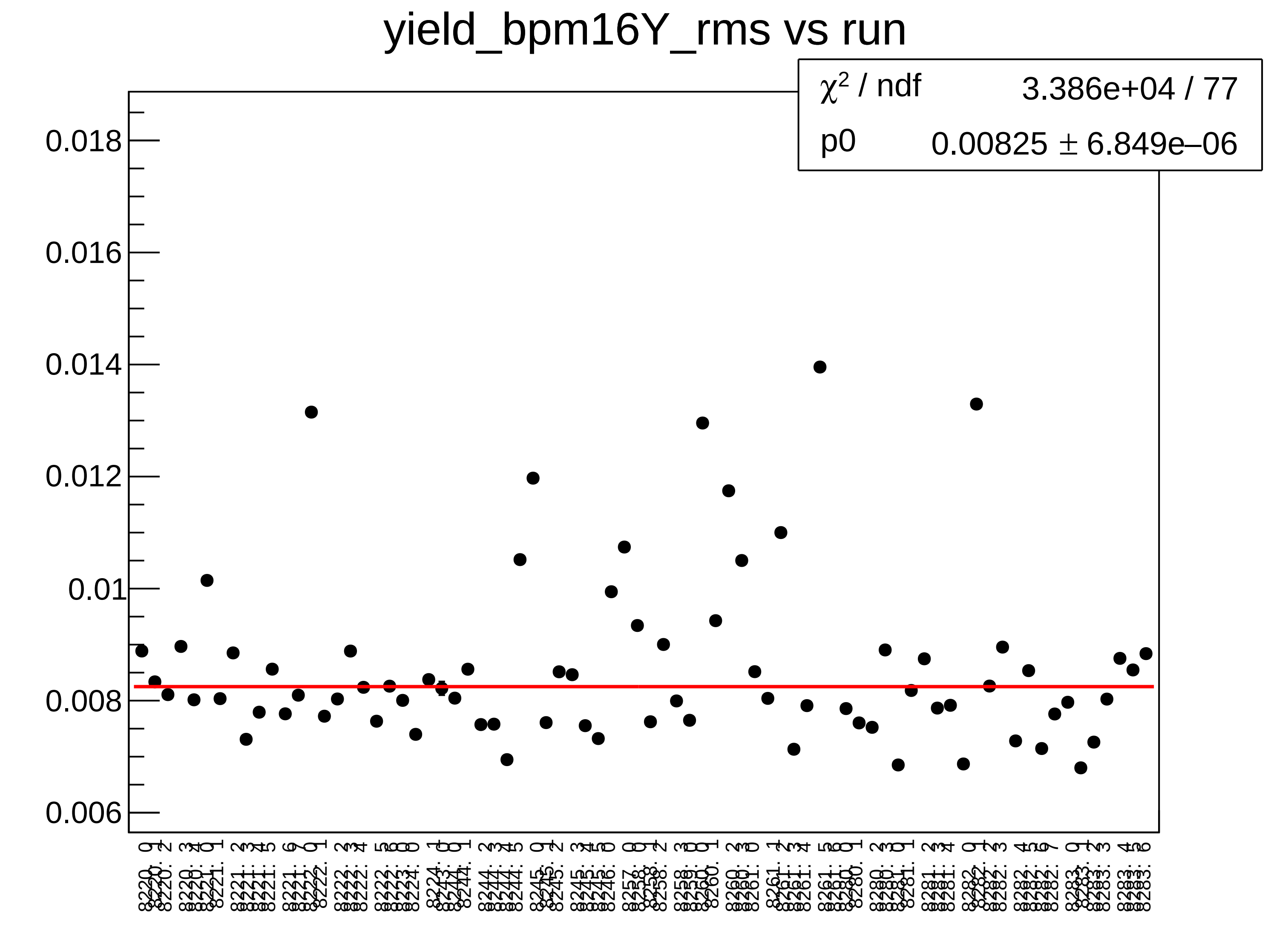
yield_bpm16X_rms vs run
χ^2 / ndf 6.134e+04 / 77
p0 0.04844 ± 4.06e−05
0.12
0.1
0.08
0.06
0.04

yield_bpm16Y_mean vs run

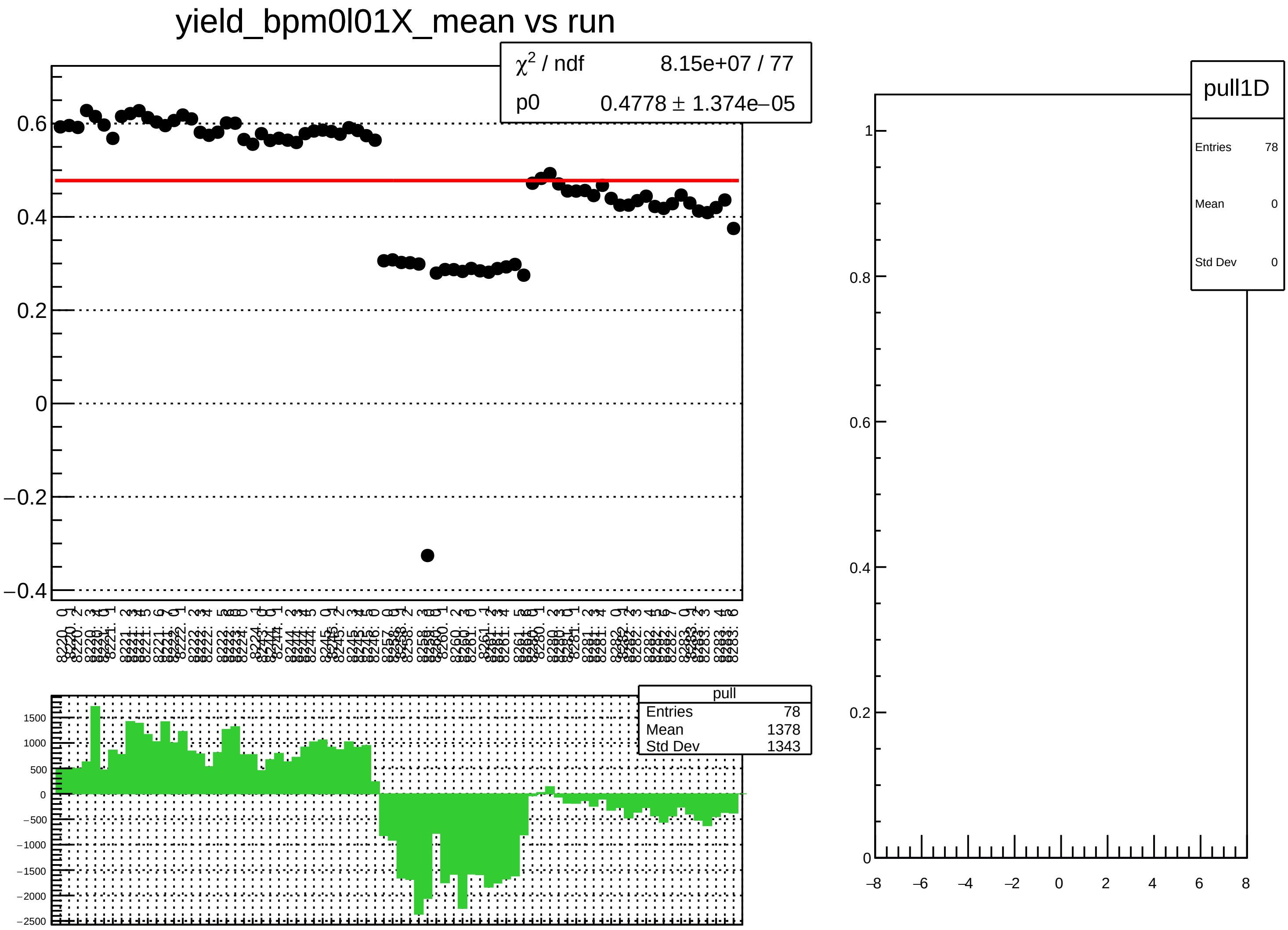


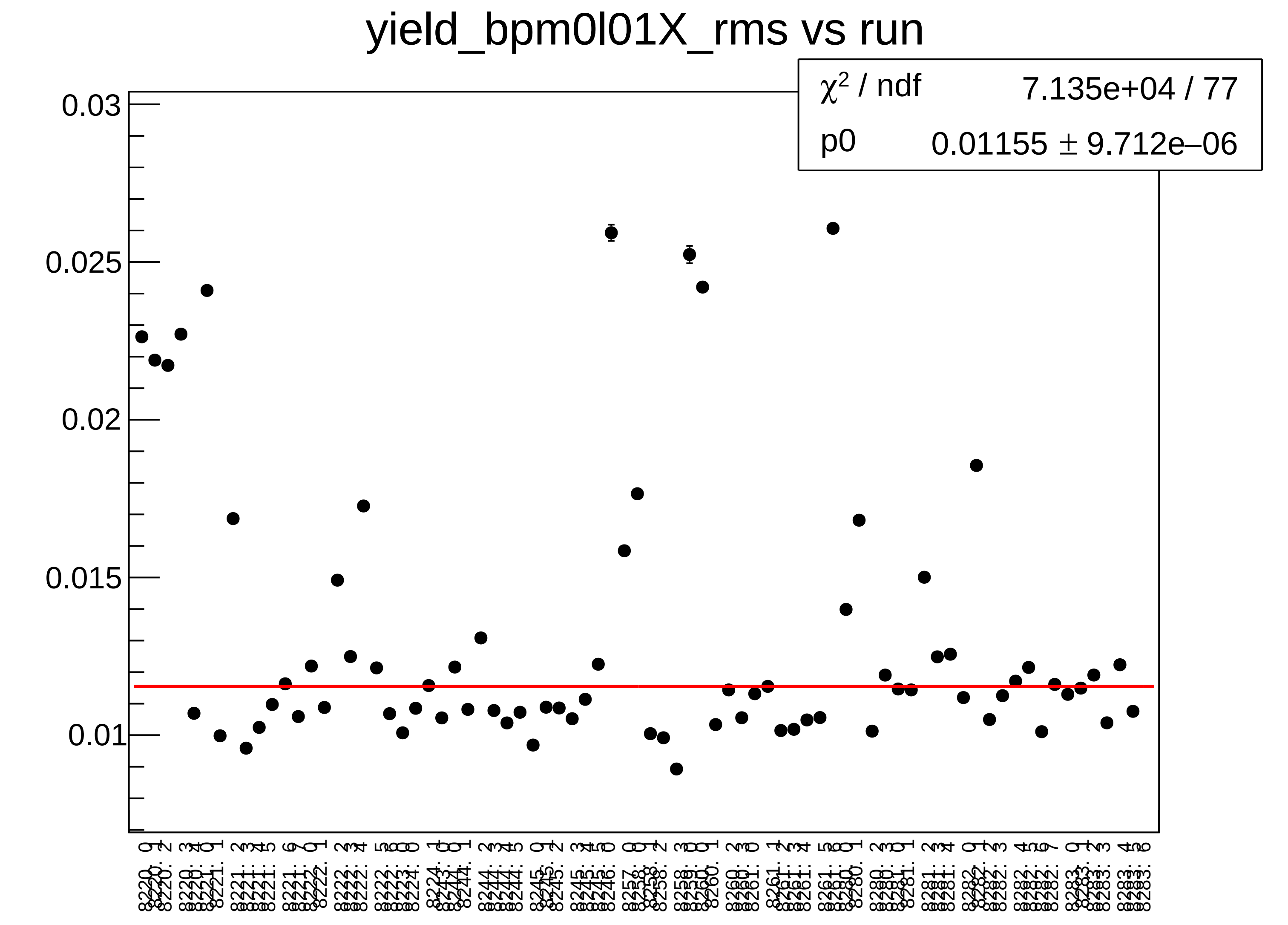




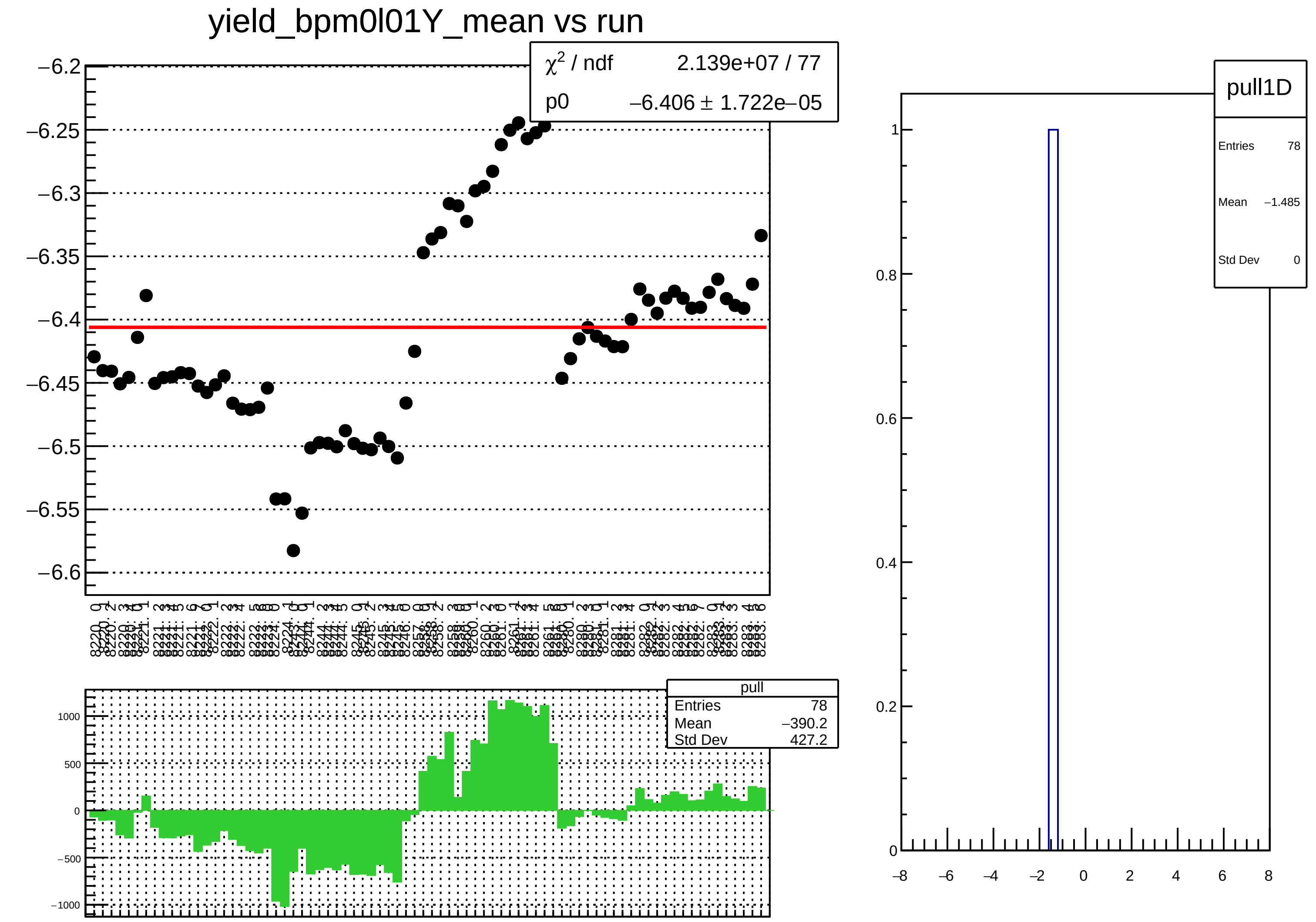


yield_bpm16Y_rms vs run
χ^2 / ndf 3.386e+04 / 77
p0 0.00825 ± 6.849e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

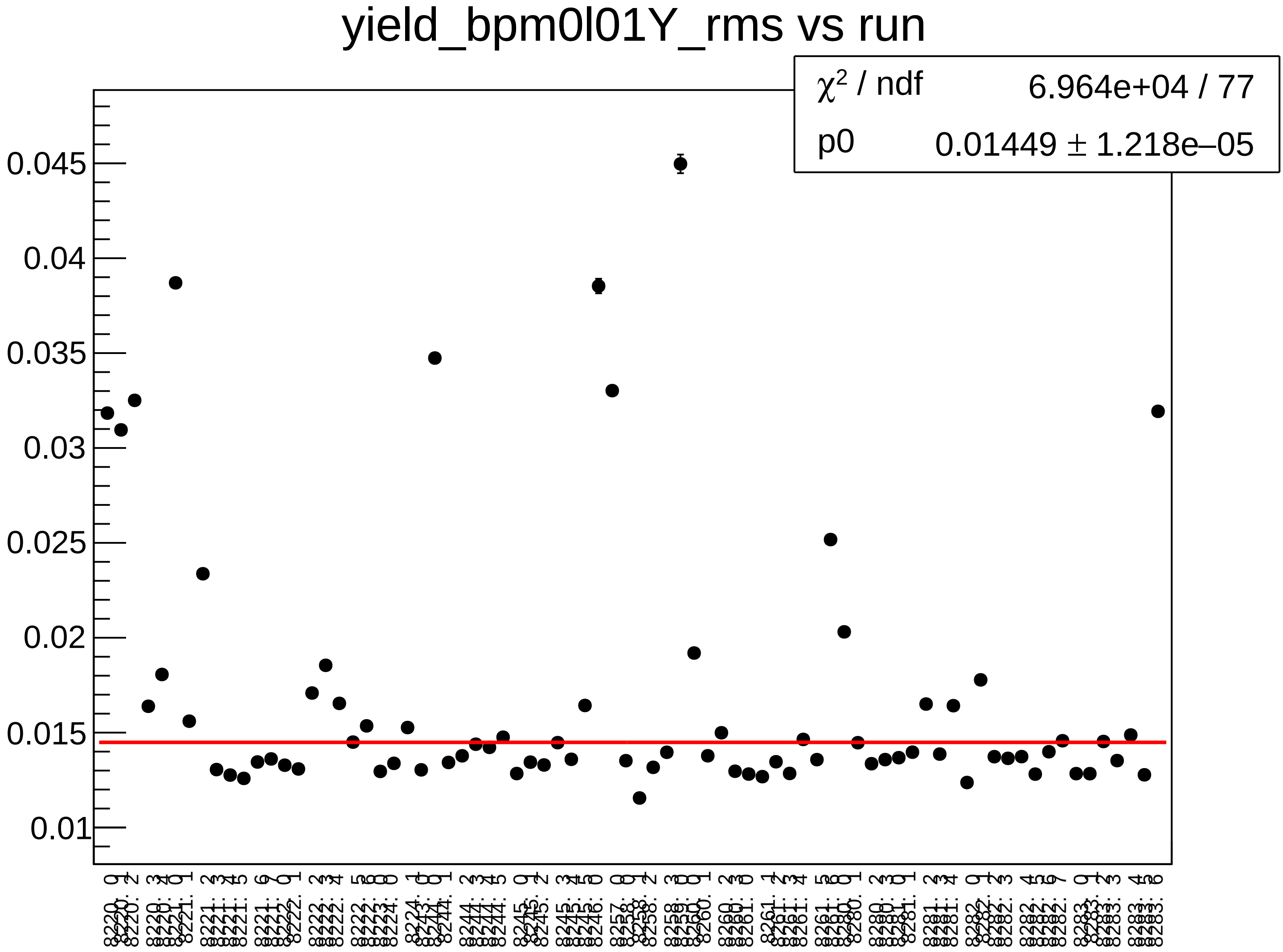

yield_bpm0l01X_mean vs run
χ^2 / ndf 8.15e+07 / 77
p0 0.4778 ± 1.374e−05
pull
Entries 78
Mean 1378
Std Dev 1343
pull1D
Entries 78
Mean 0
Std Dev 0



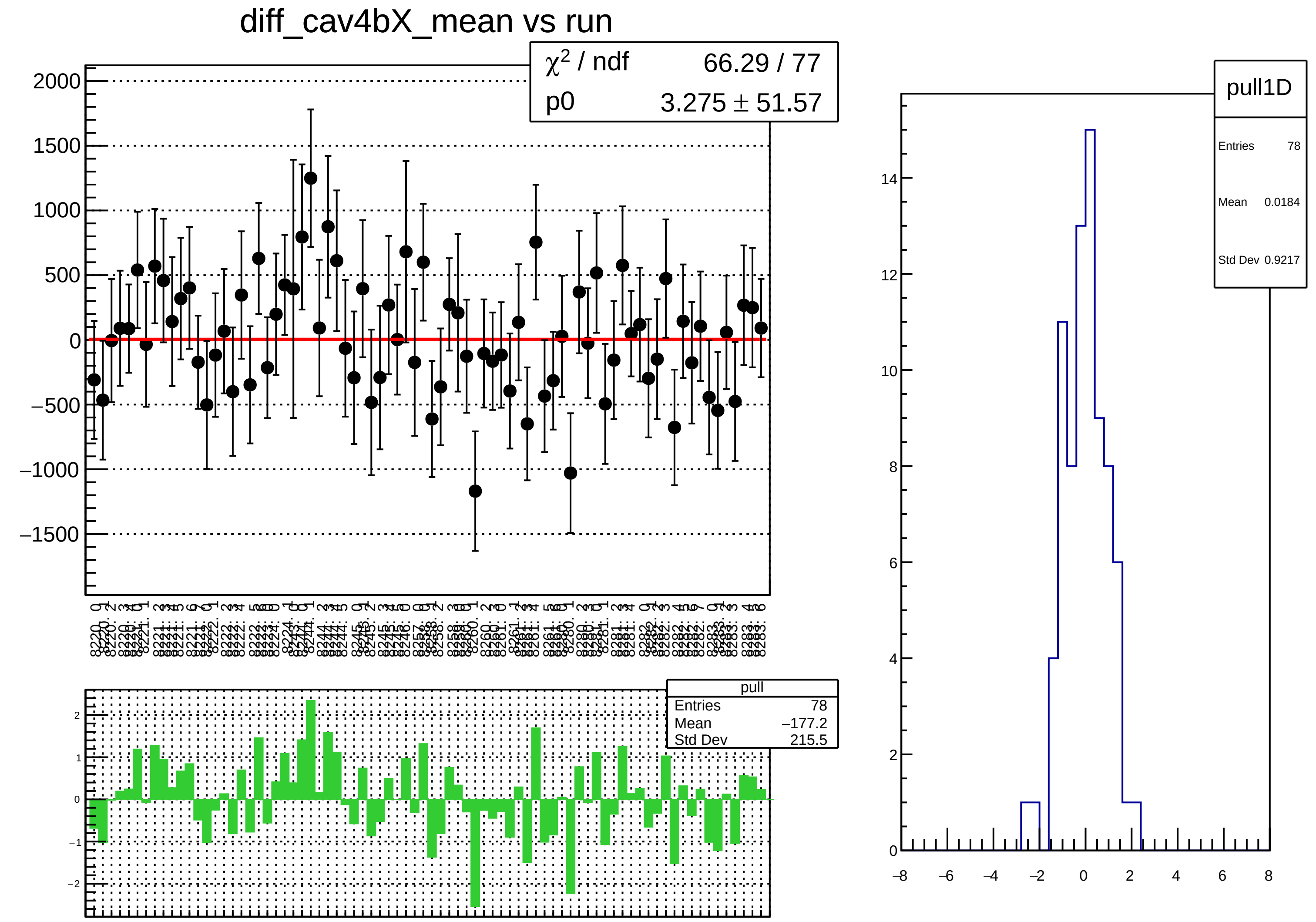
yield_bpm0l01X_rms vs run
χ2 / ndf 7.135e+04 / 77
p0 0.01155 ± 9.712e−06
0.03
0.025
0.02
0.015
0.01

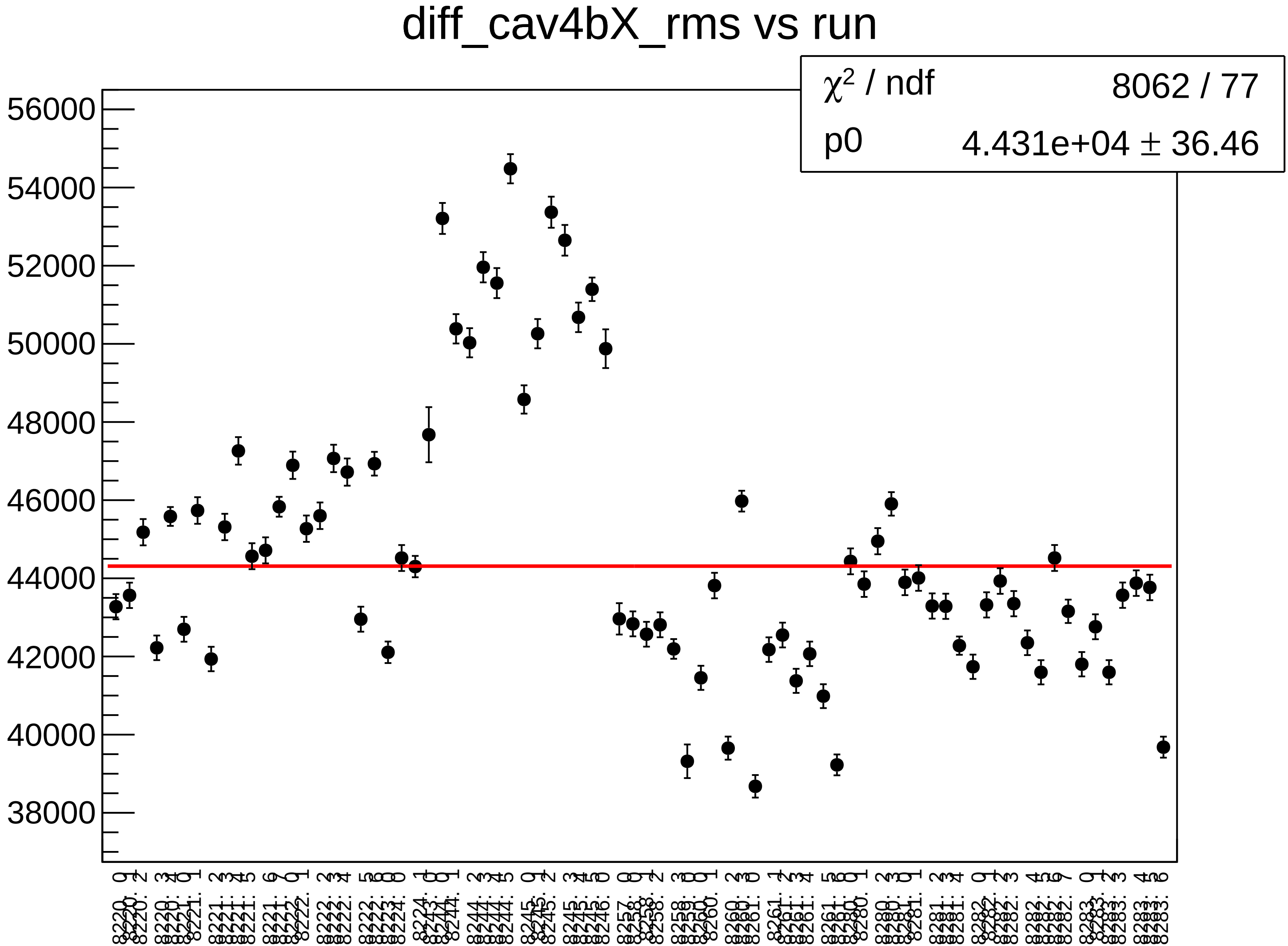


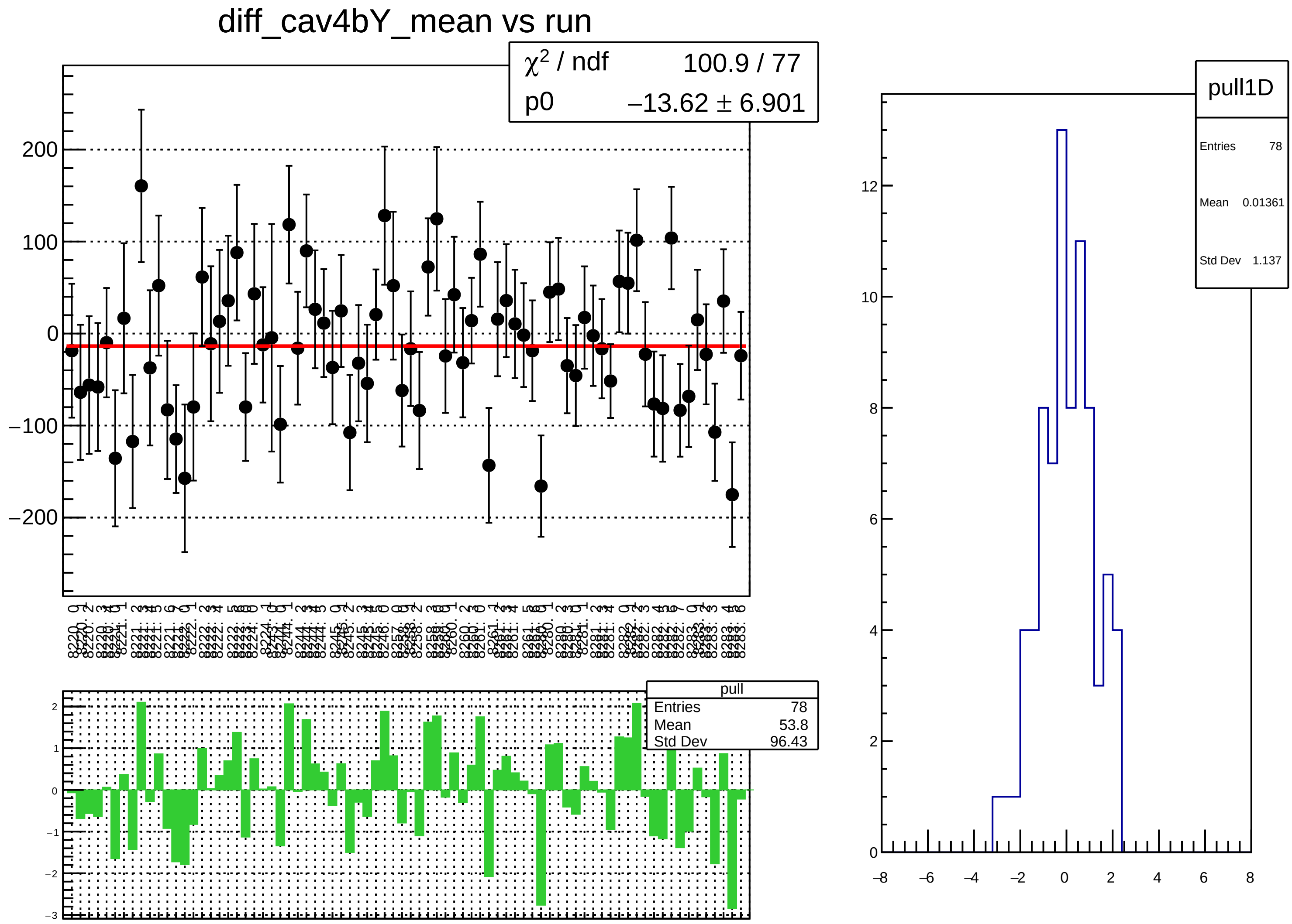
yield_bpm0l01Y_mean vs run
χ2 / ndf 2.139e+07 / 77
p0 −6.406 ± 1.722e−05
pull
Entries 78
Mean −390.2
Std Dev 427.2
pull1D
Entries 78
Mean −1.485
Std Dev 0



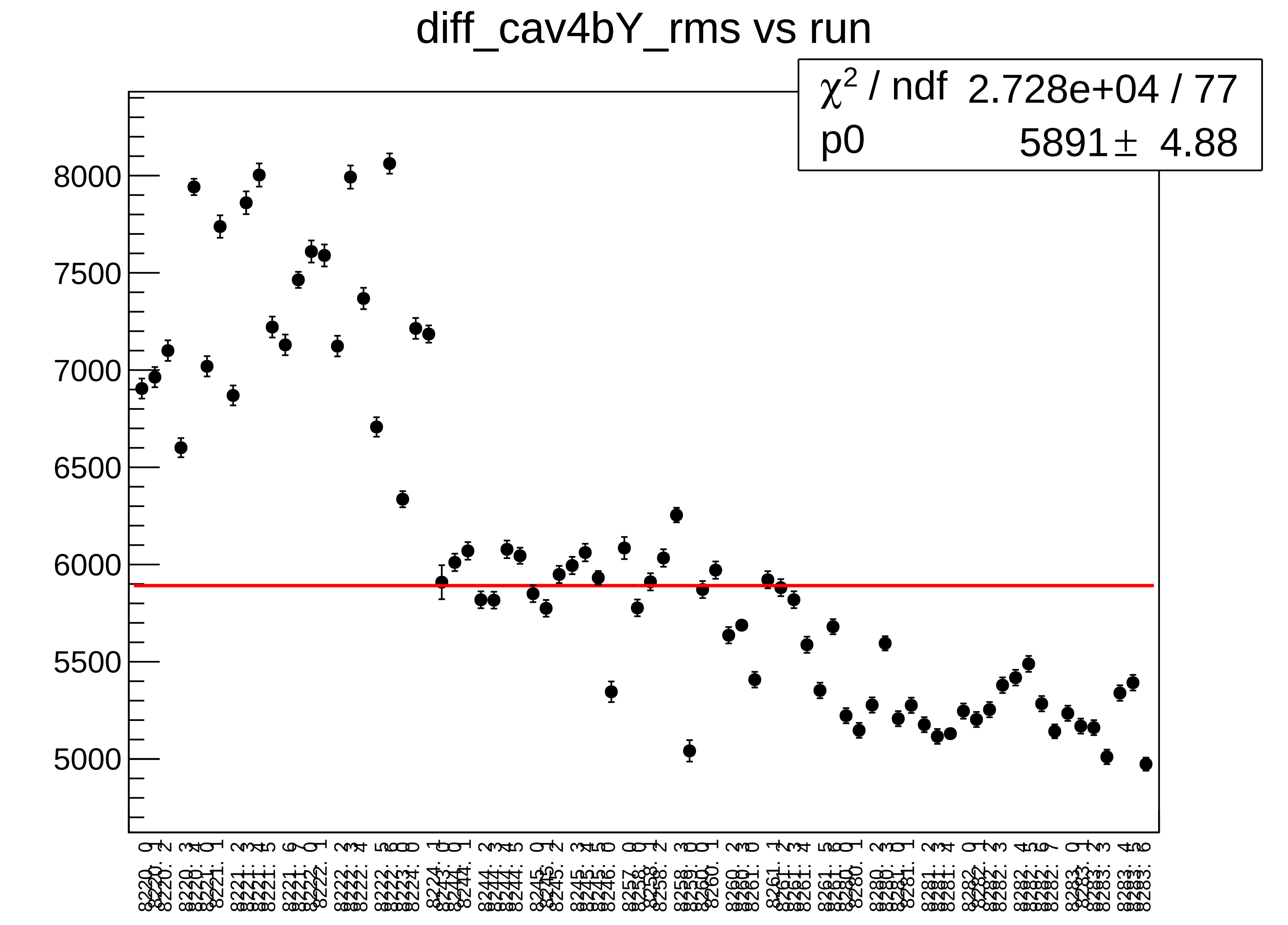
yield_bpm0l01Y_rms vs run
χ^2 / ndf 6.964e+04 / 77
p0 0.01449 ± 1.218e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

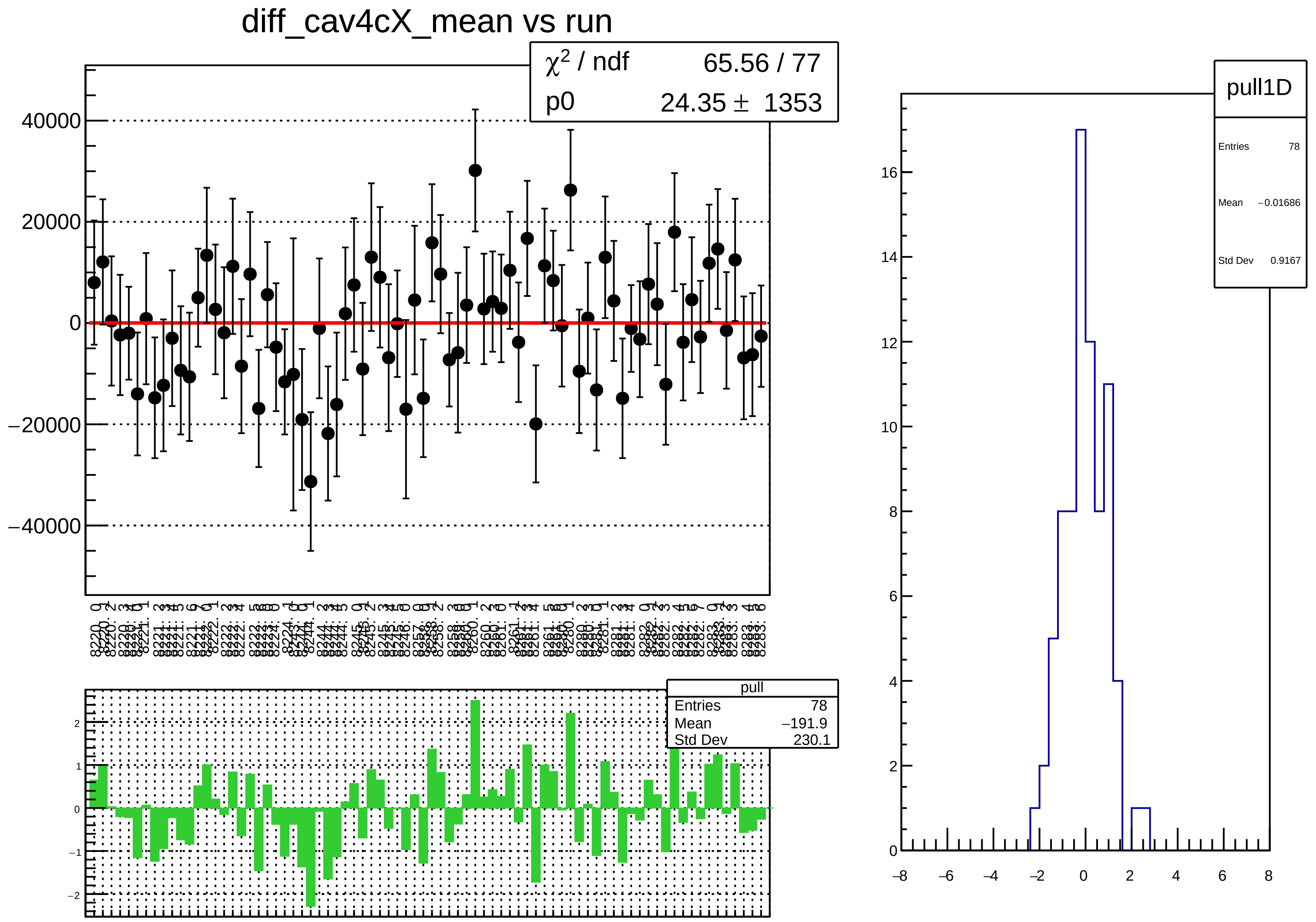

diff_cav4bX_mean vs run
χ^2 / ndf 66.29 / 77
p0 3.275 ± 51.57
pull
Entries 78
Mean −177.2
Std Dev 215.5
pull1D
Entries 78
Mean 0.0184
Std Dev 0.9217


diff_cav4bX_rms vs run
χ^2 / ndf 8062 / 77
p0 4.431e+04 ± 36.46
56000
54000
52000
50000
48000
46000
44000
40000
42000
38000

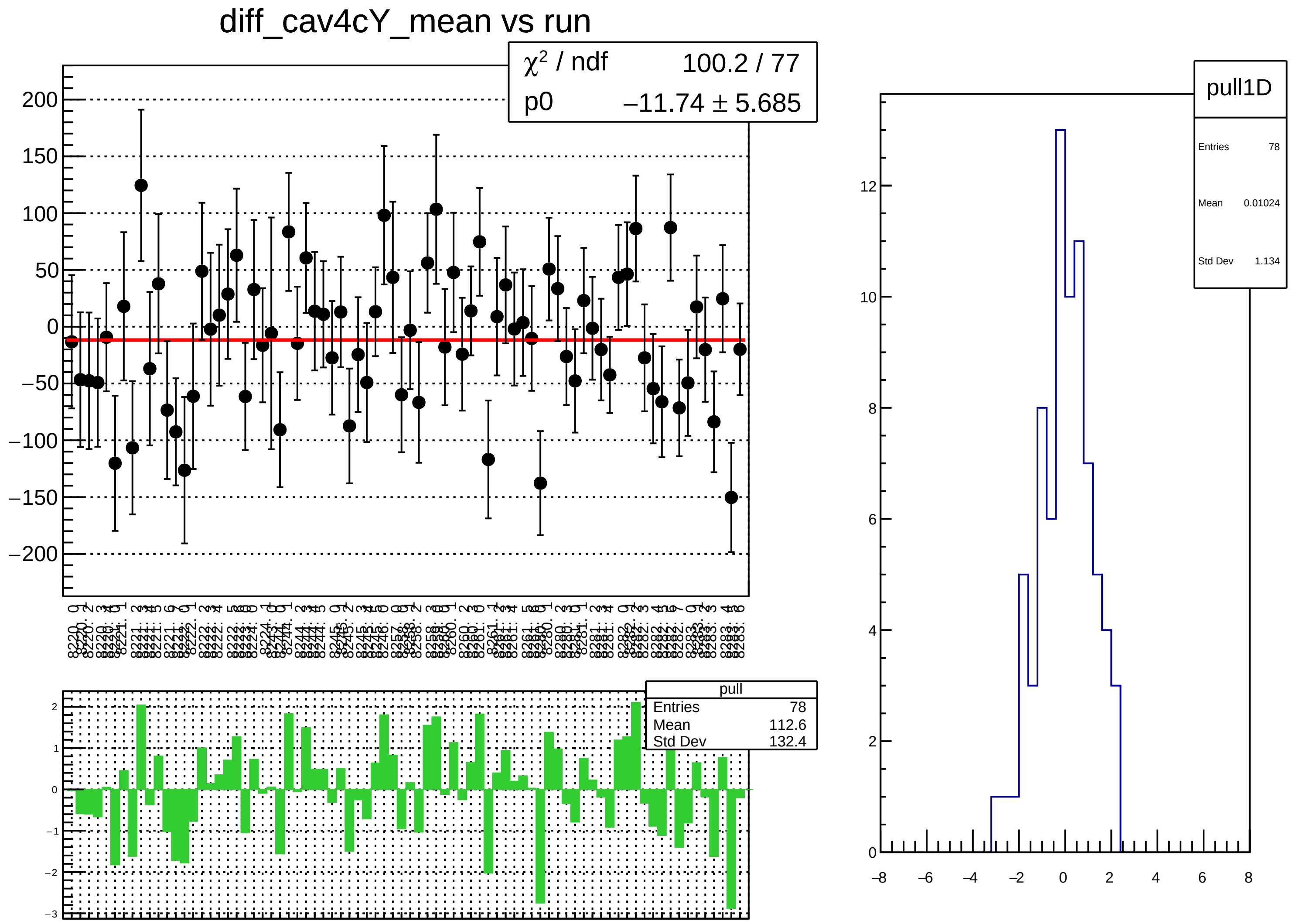


diff_cav4bY_mean vs run
χ2 / ndf 100.9 / 77
p0 −13.62 ± 6.901
pull
Entries 78
Mean 53.8
Std Dev 96.43
pull1D
Entries 78
Mean 0.01361
Std Dev 1.137

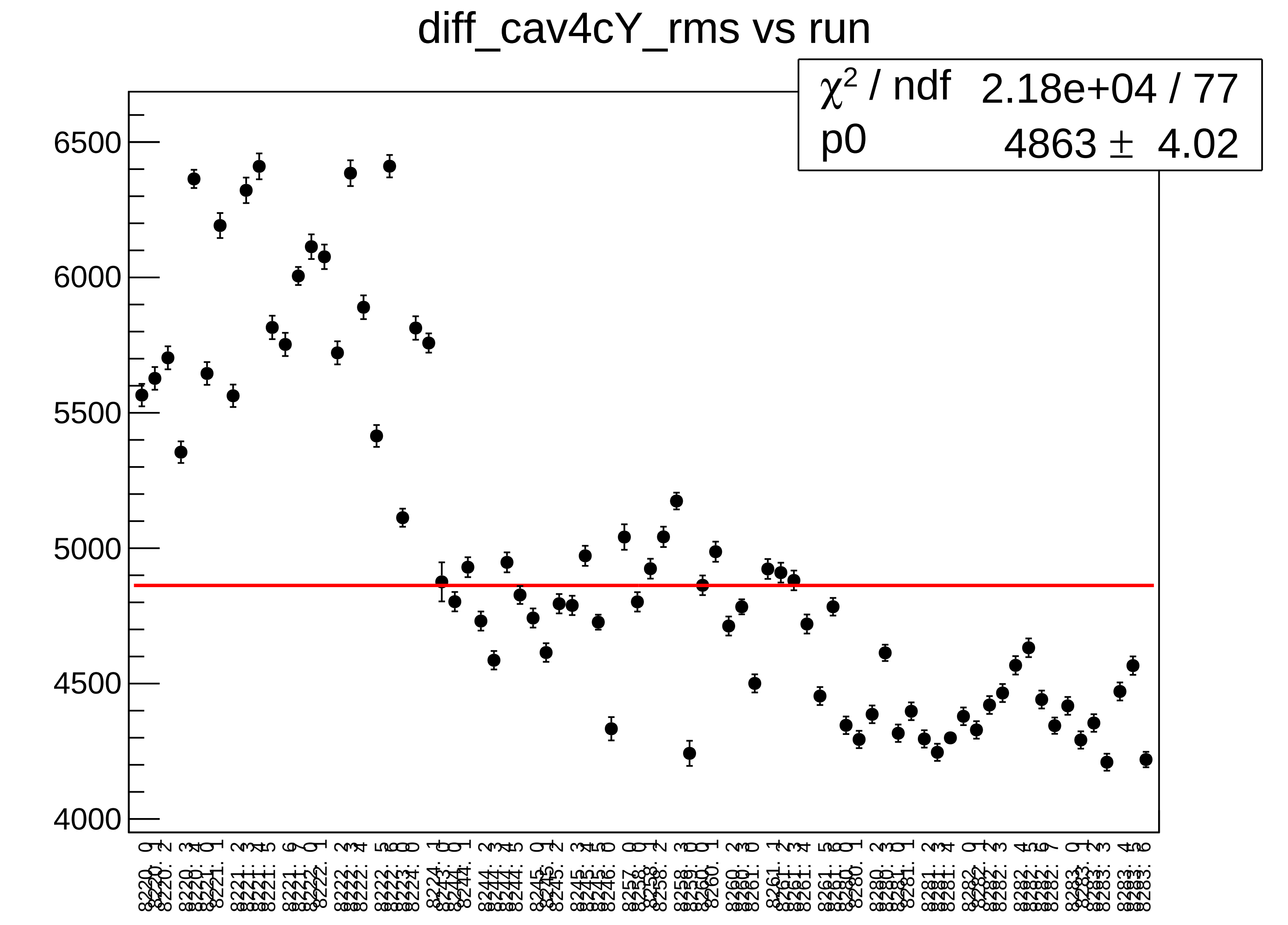

diff_cav4bY_rms vs run
χ^2 / ndf 2.728e+04 / 77
p0 5891 ± 4.88
8000
7500
7000
6500
6000
5500
5000

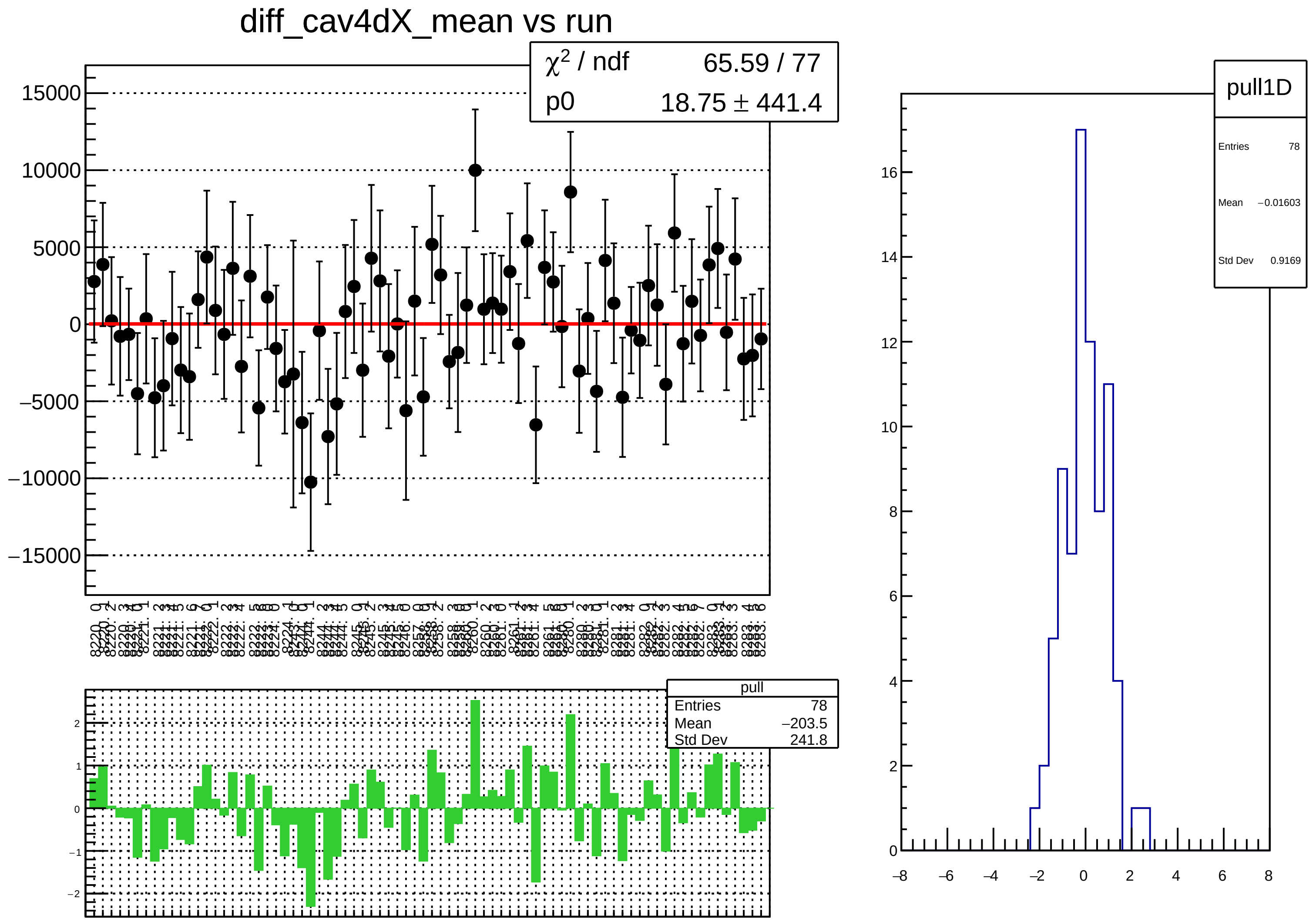


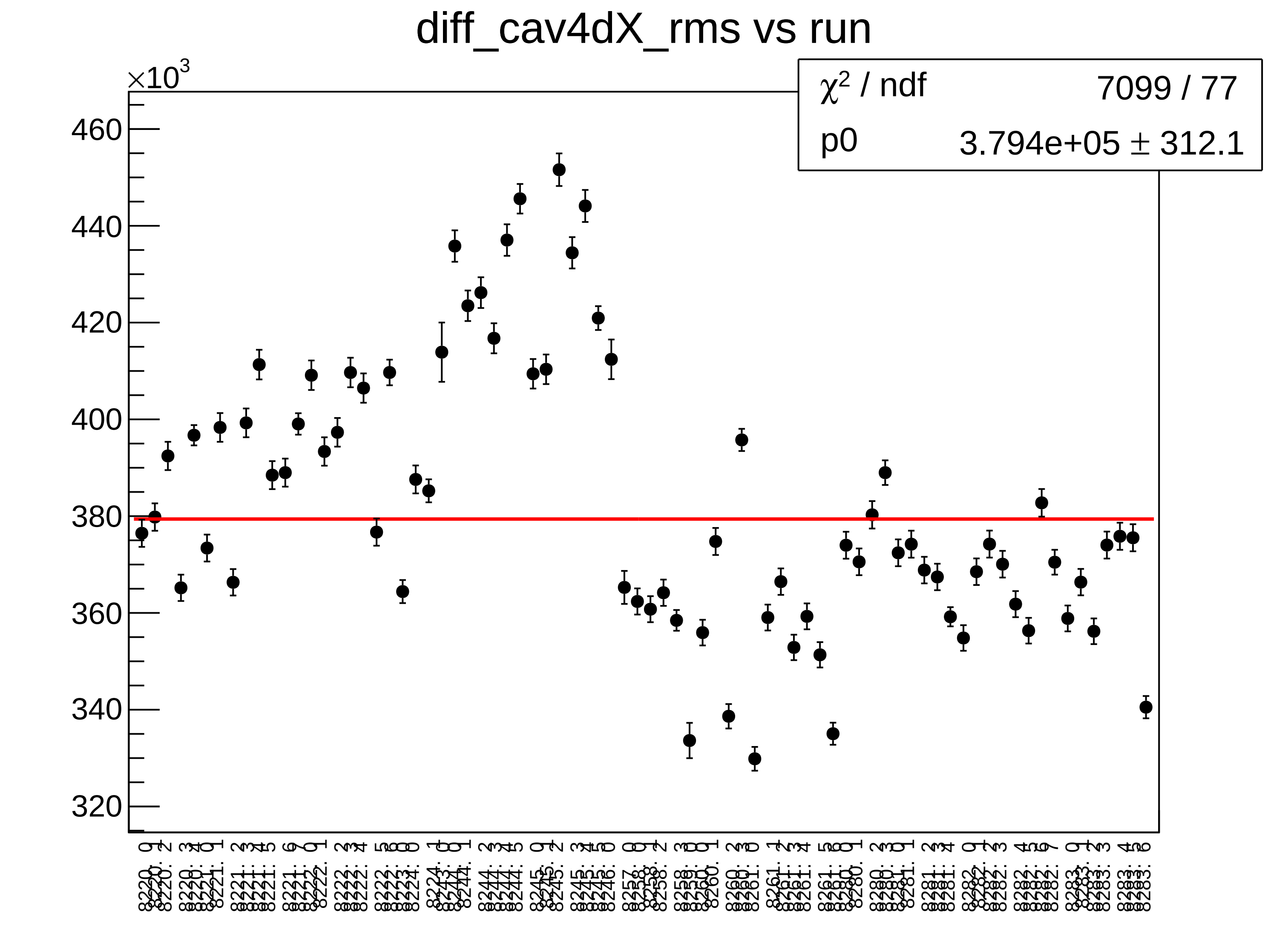
diff_cav4cX_mean vs run
χ^2 / ndf 65.56 / 77
p0 24.35 ± 1353
pull
Entries 78
Mean −191.9
Std Dev 230.1
pull1D
Entries 78
Mean −0.01686
Std Dev 0.9167

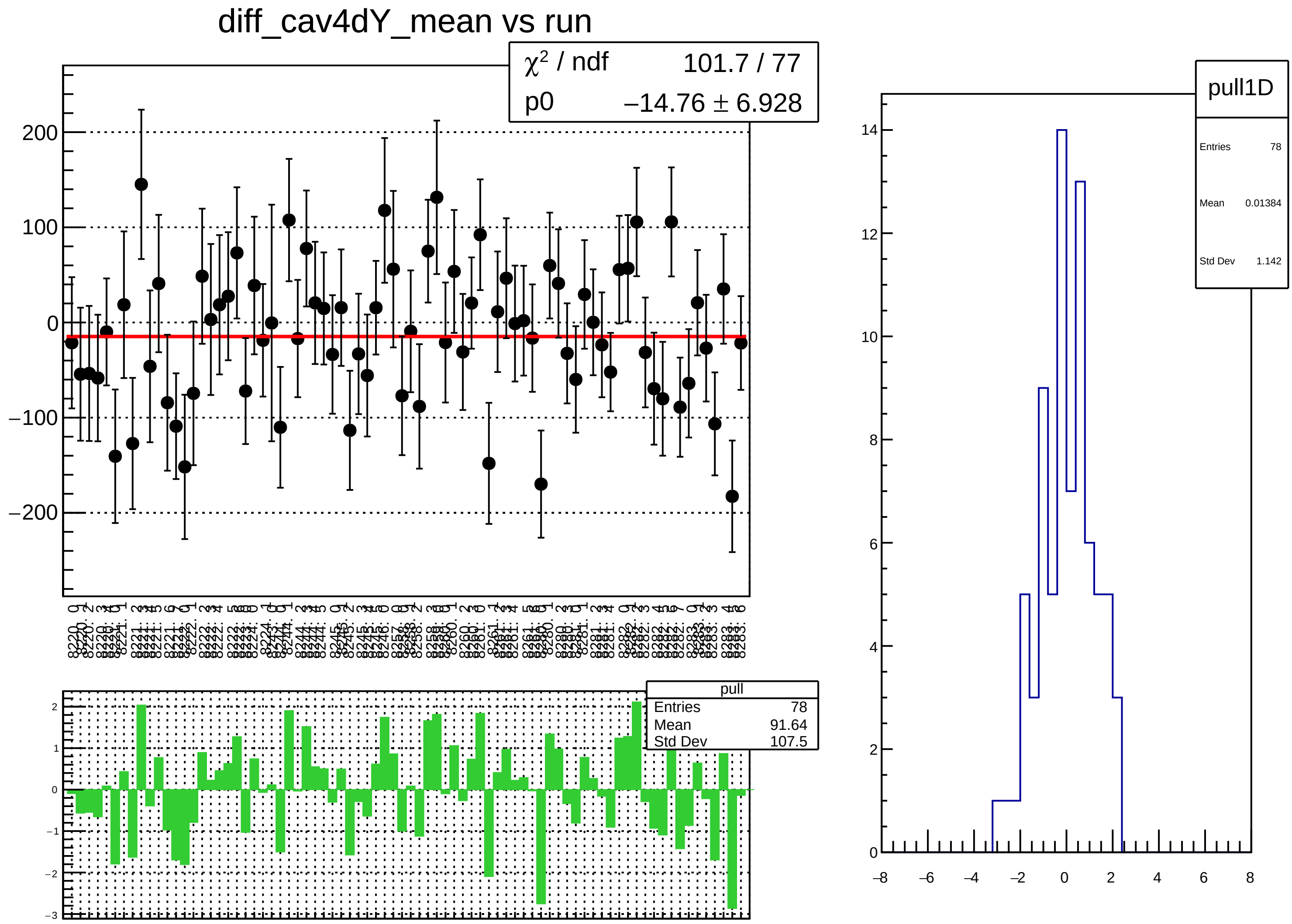


diff_cav4cY_mean vs run
χ2 / ndf 100.2 / 77
p0 −11.74 ± 5.685
pull
Entries 78
Mean 112.6
Std Dev 132.4
pull1D
Entries 78
Mean 0.01024
Std Dev 1.134

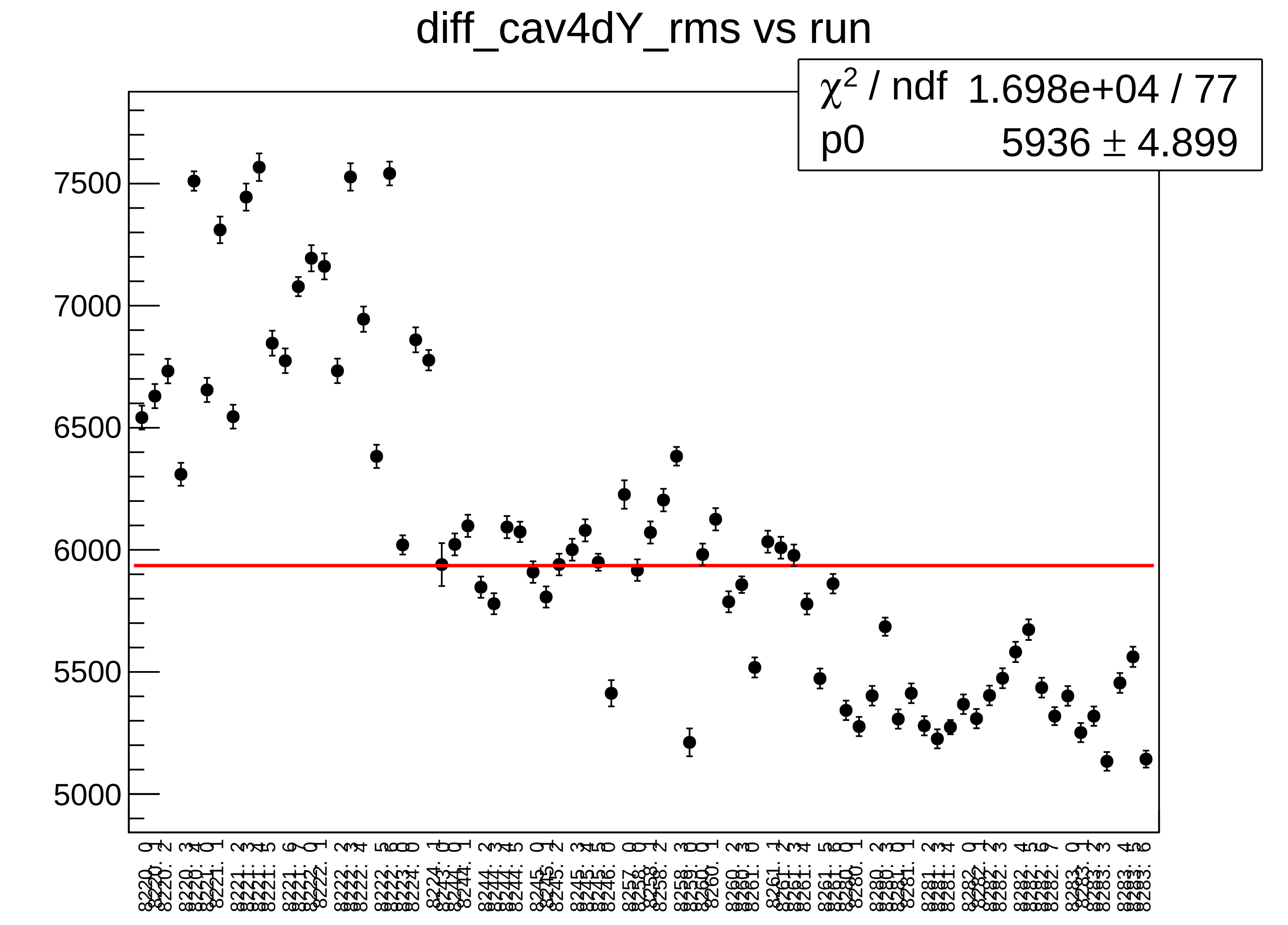

diff_cav4cY_rms vs run
χ2 / ndf 2.18e+04 / 77
p0 4863 ± 4.02
6500
6000
5500
5000
4500
4000


diff_cav4dX_mean vs run
χ2 / ndf 65.59 / 77
p0 18.75 ± 441.4
pull
Entries 78
Mean −203.5
Std Dev 241.8
pull1D
Entries 78
Mean −0.01603
Std Dev 0.9169

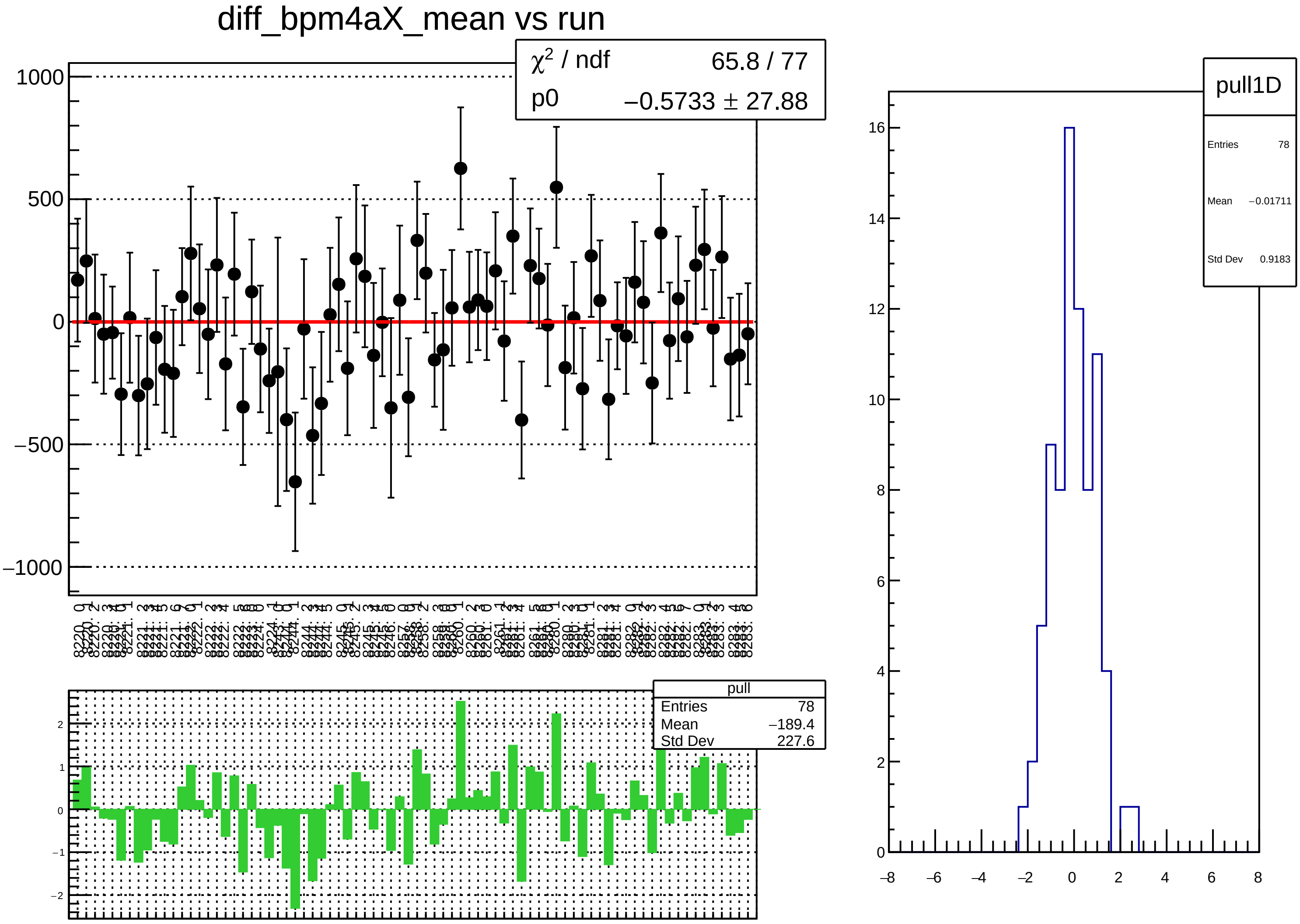

diff_cav4dX_rms vs run
×10^3
χ2 / ndf 7099 / 77
p0 3.794e+05 ± 312.1
460
440
420
400
380
360
340
320



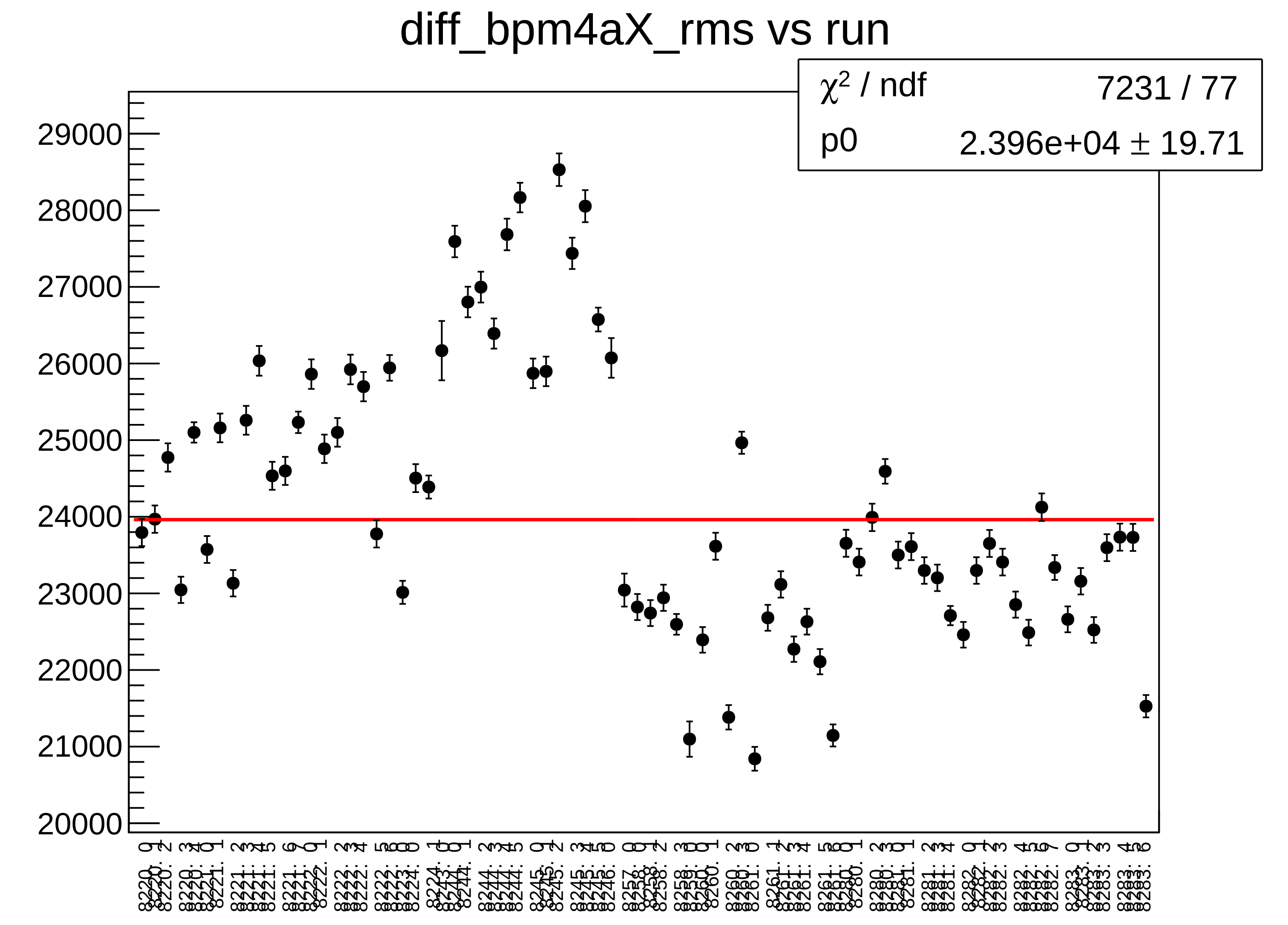
diff_cav4dY_mean vs run
χ^2 / ndf 101.7 / 77
p0 −14.76 ± 6.928
pull
Entries 78
Mean 91.64
Std Dev 107.5
pull1D
Entries 78
Mean 0.01384
Std Dev 1.142

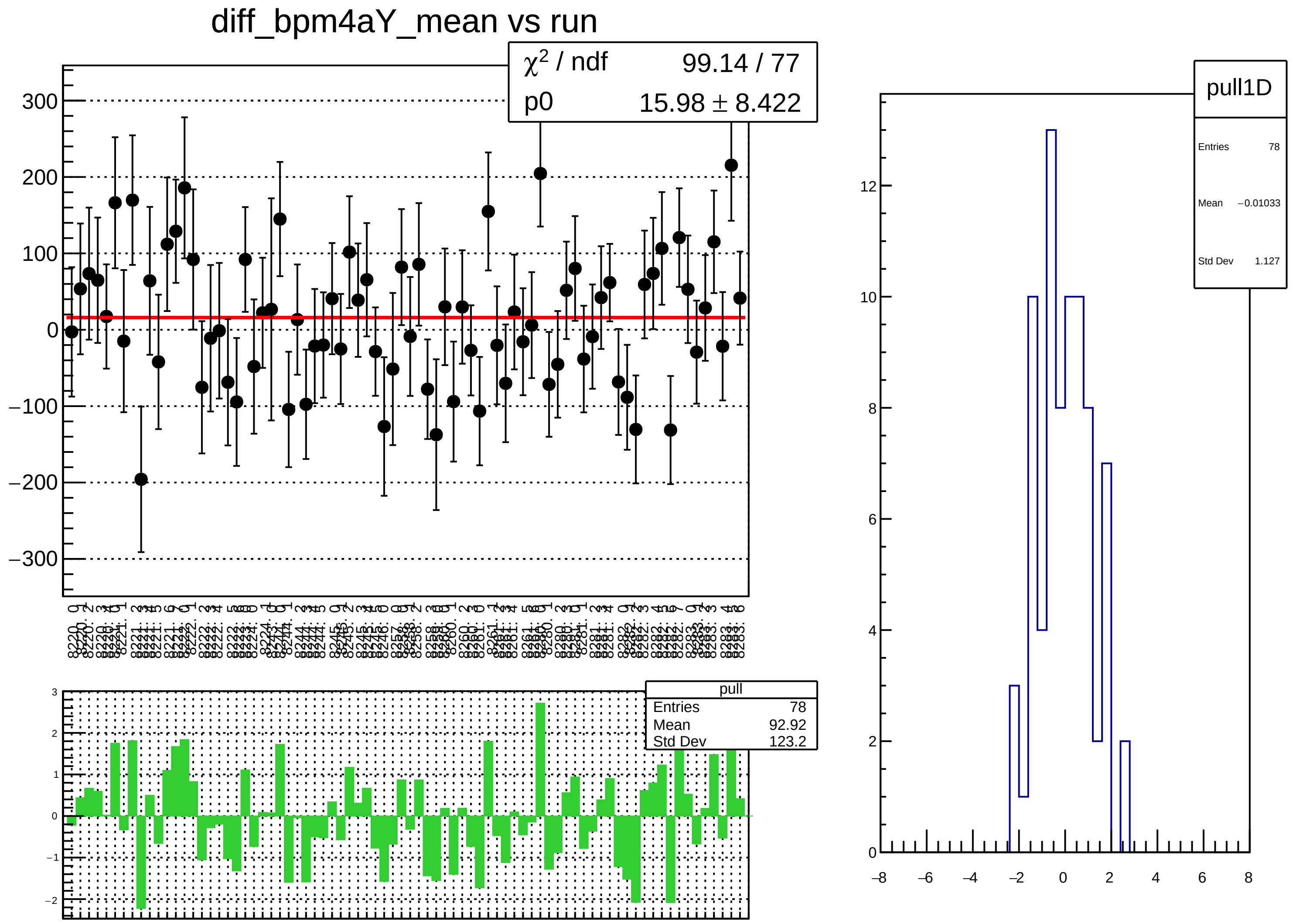


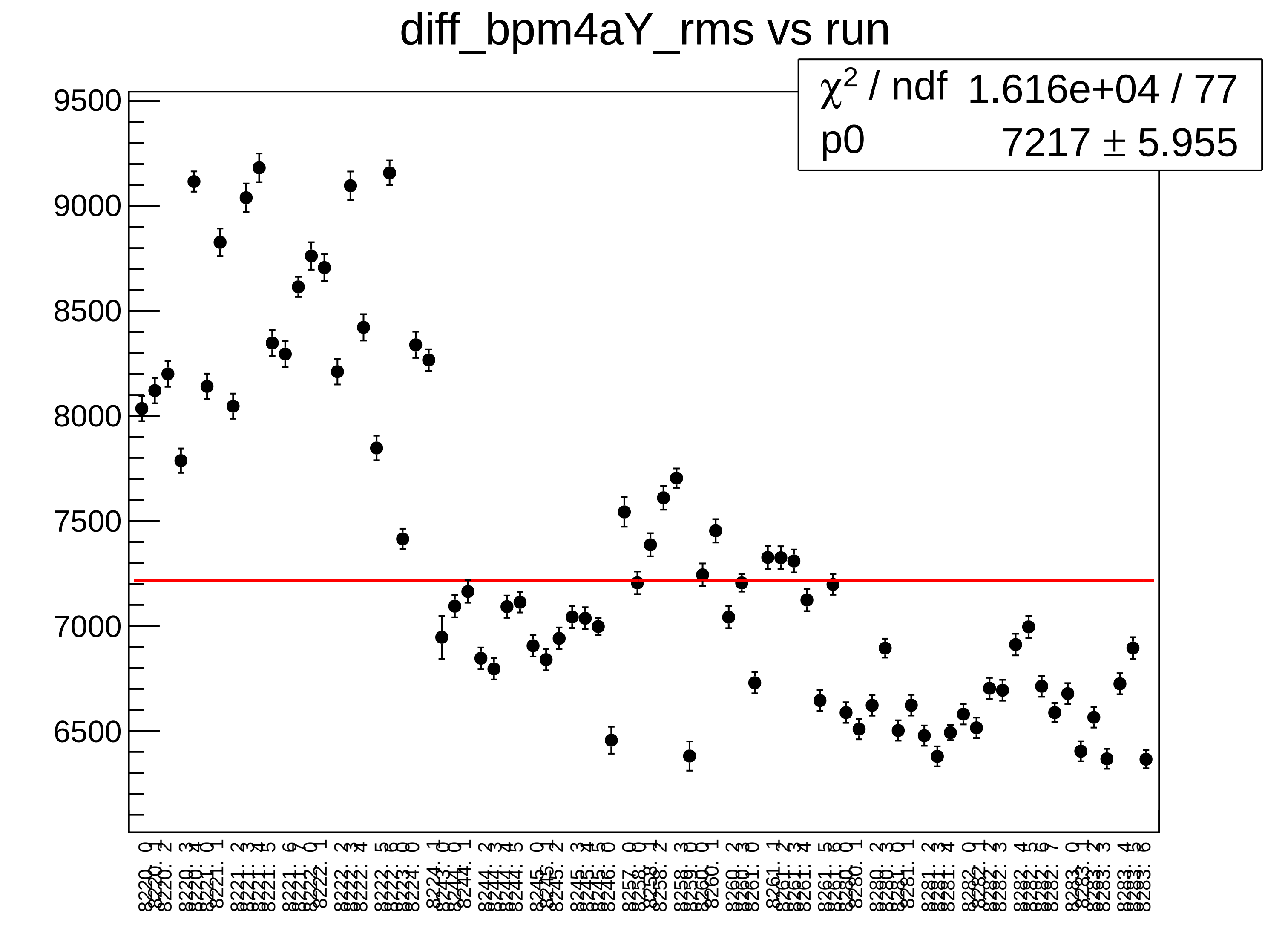
diff_cav4dY_rms vs run
χ^2 / ndf 1.698e+04 / 77
p0 5936 ± 4.899
7500
7000
6500
6000
5500
5000



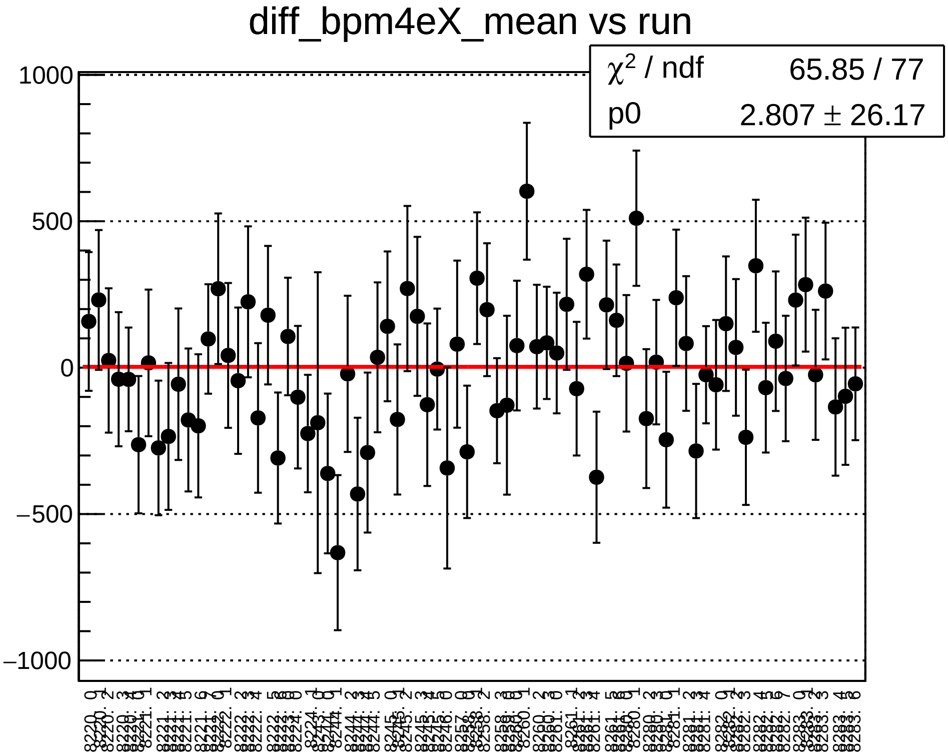
diff_bpm4aX_mean vs run
χ^2 / ndf 65.8 / 77
p0 −0.5733 ± 27.88
pull
Entries 78
Mean −189.4
Std Dev 227.6
pull1D
Entries 78
Mean −0.01711
Std Dev 0.9183

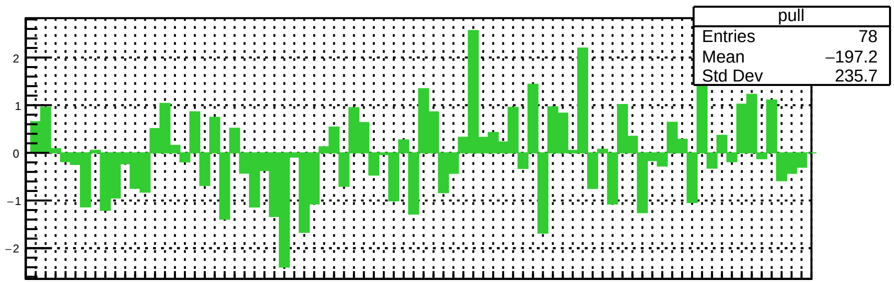

diff_bpm4aX_rms vs run
χ2 / ndf 7231 / 77
p0 2.396e+04 ± 19.71
29000
28000
27000
26000
25000
24000
23000
22000
21000
20000

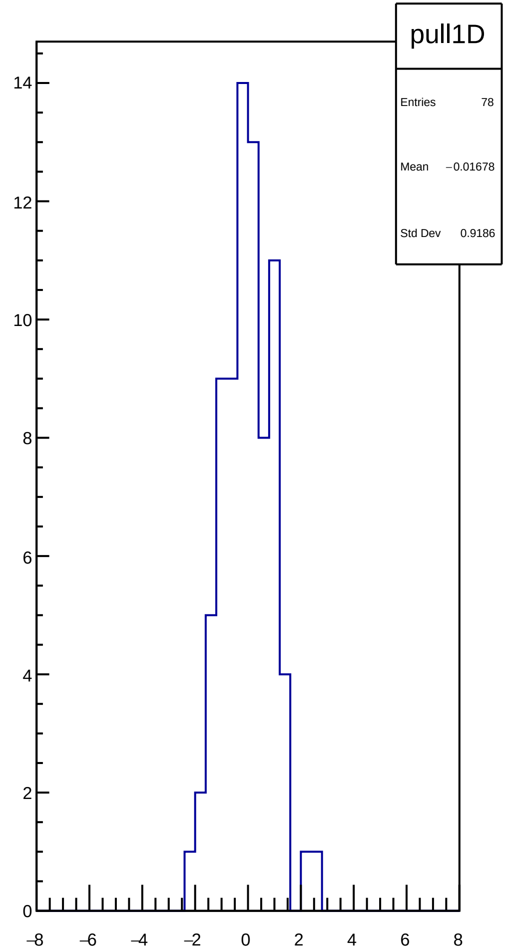

diff_bpm4aY_mean vs run
χ2 / ndf 99.14 / 77
p0 15.98 ± 8.422
300
200
100
0
−100
−200
−300
pull
Entries 78
Mean 92.92
Std Dev 123.2
3
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.01033
Std Dev 1.127
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



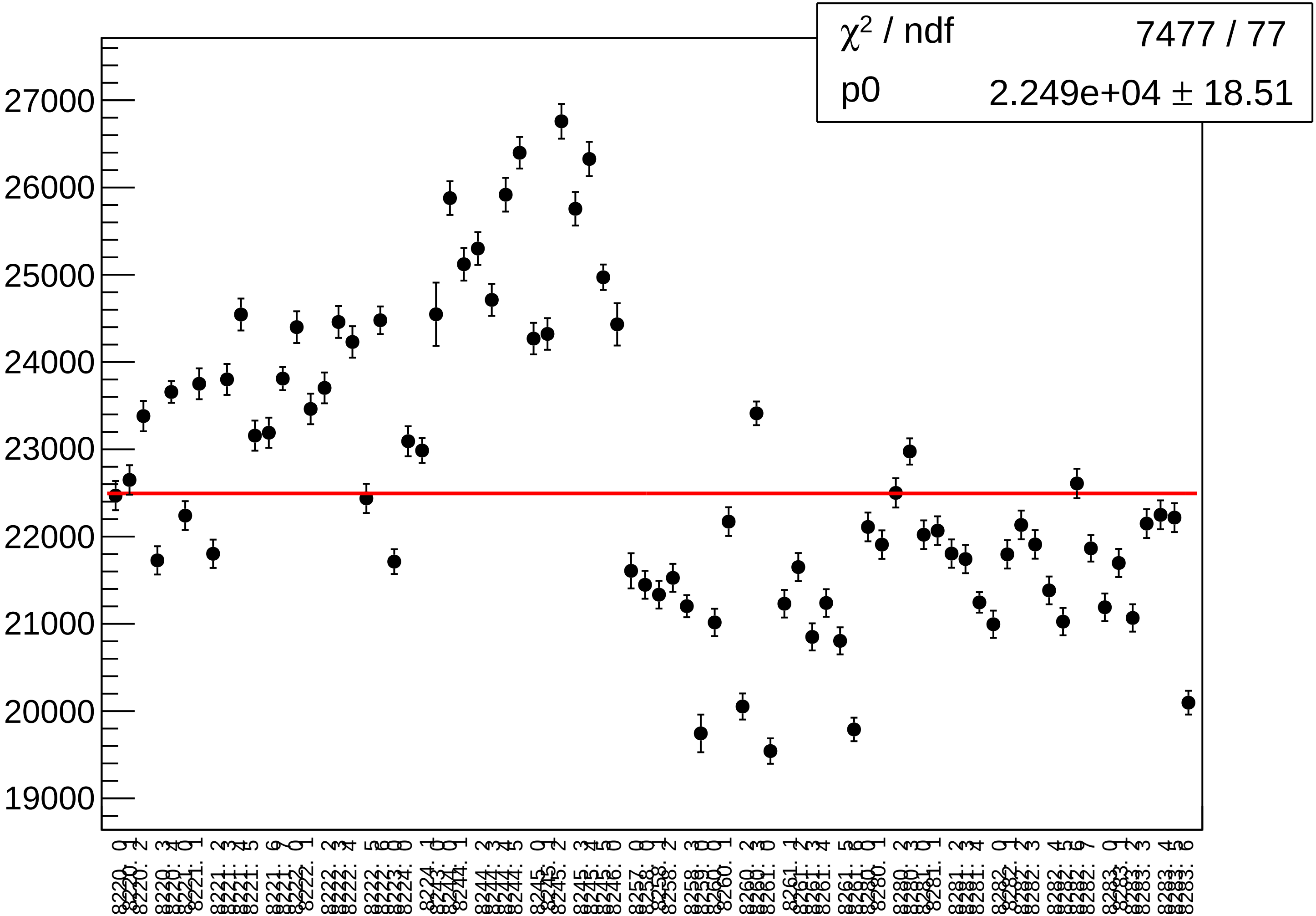
diff_bpm4aY_rms vs run
χ^2 / ndf 1.616e+04 / 77
p0 7217 ± 5.955
9500
9000
8500
8000
7500
7000
6500

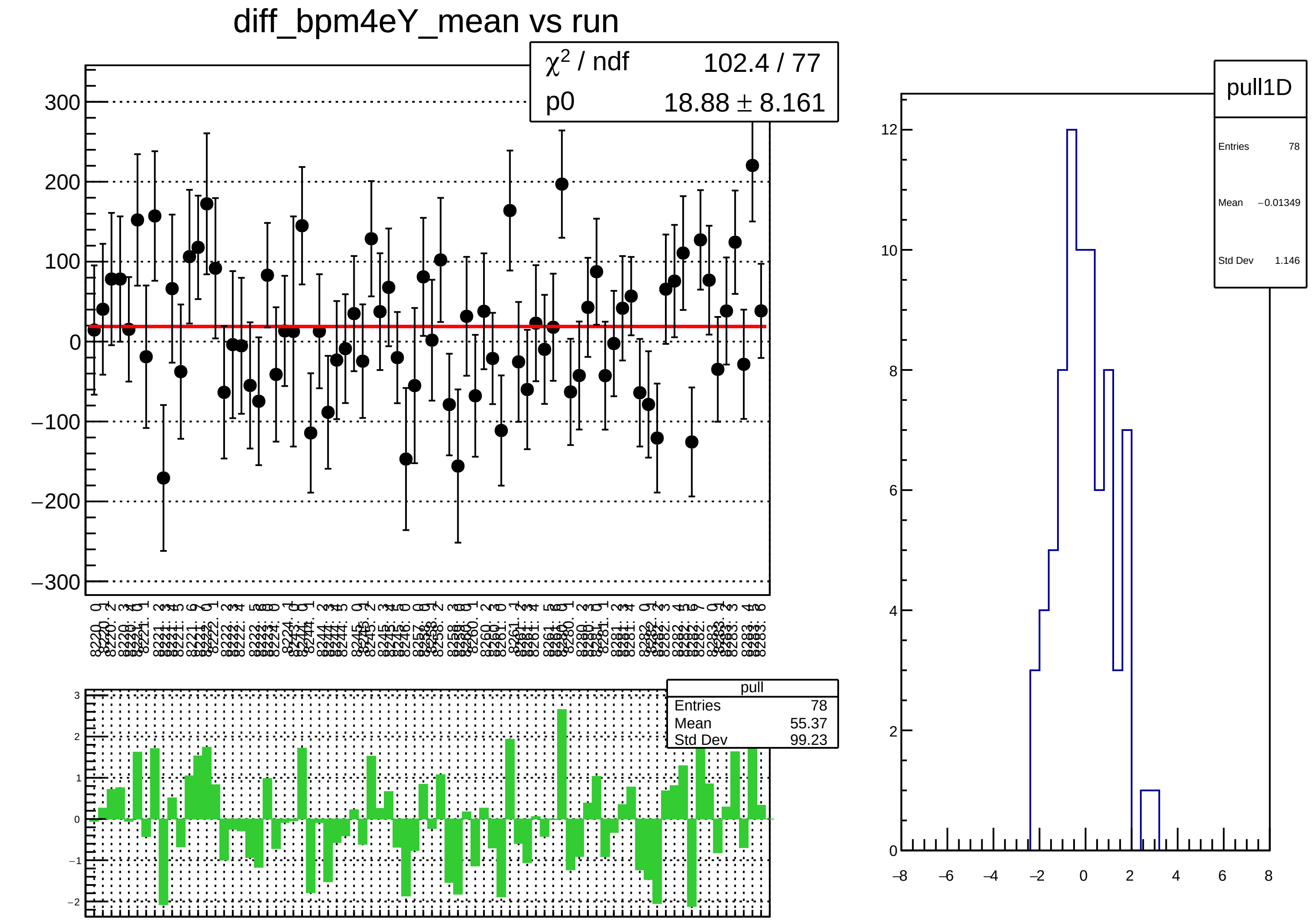

diff_bpm4eX_mean vs run
χ2 / ndf 65.85 / 77
p0 2.807 ± 26.17
1000
500
0
−500
−1000

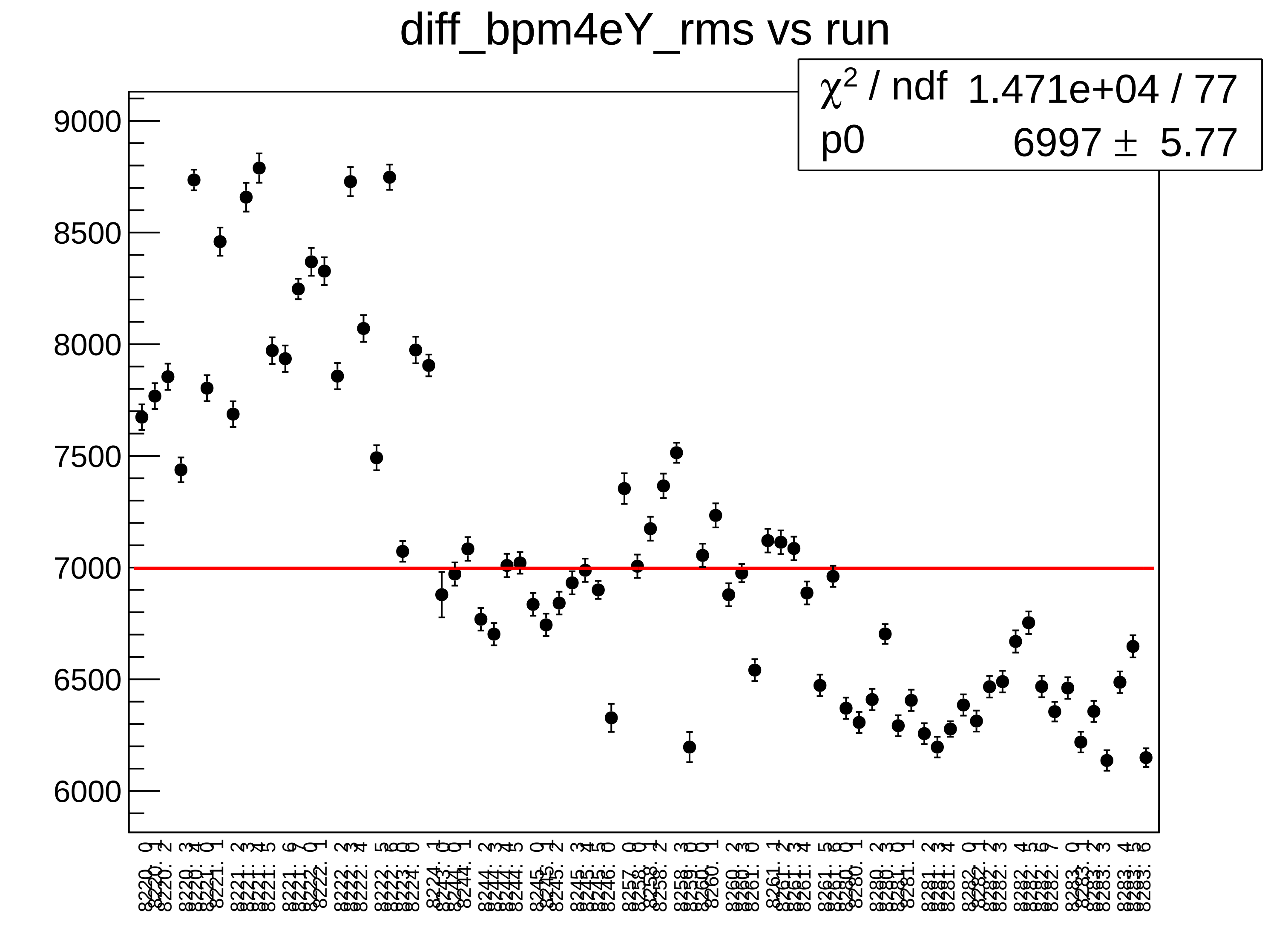

pull
Entries 78
Mean −197.2
Std Dev 235.7

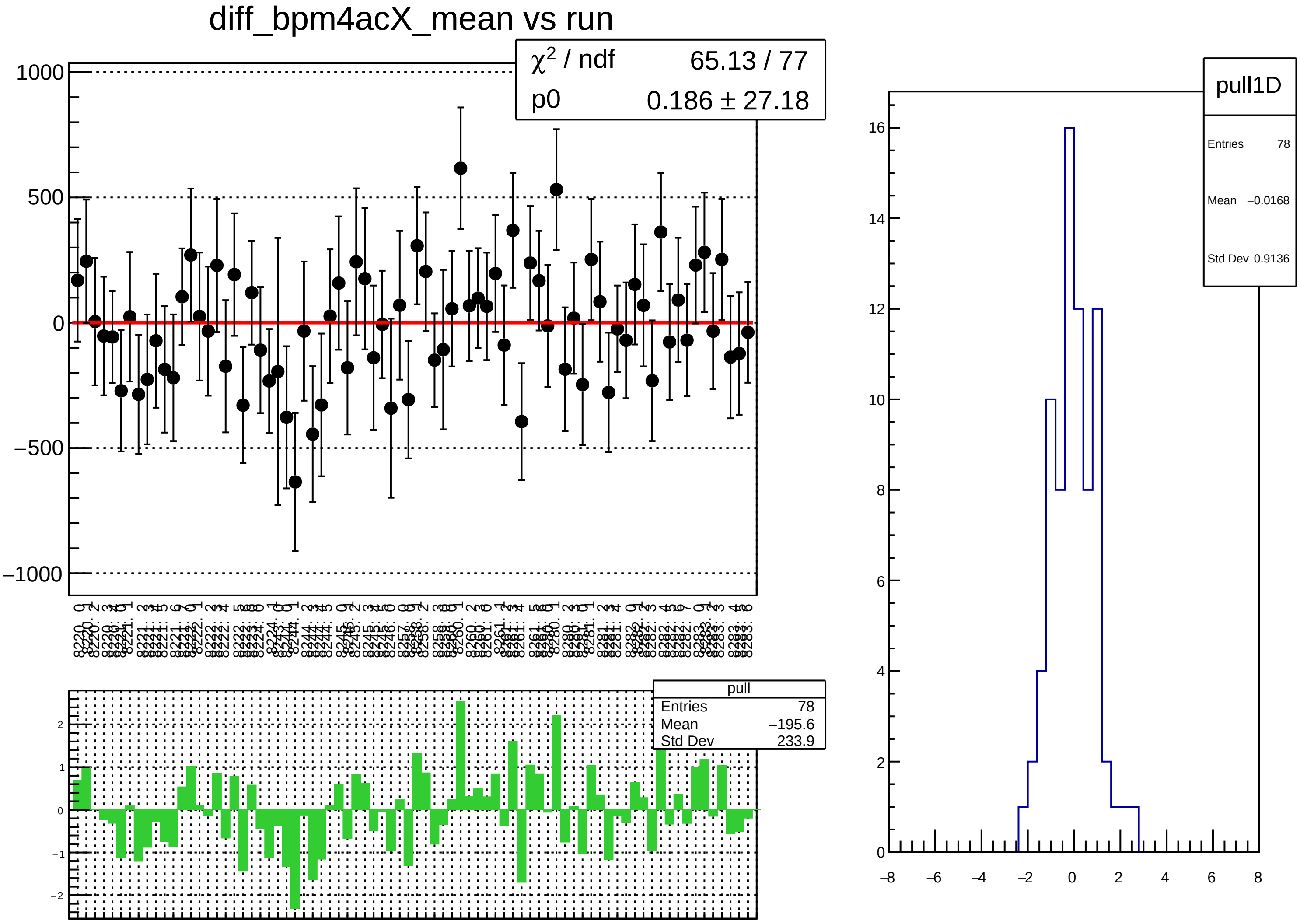

pull1D
Entries 78
Mean −0.01678
Std Dev 0.9186

diff_bpm4eX_rms vs run

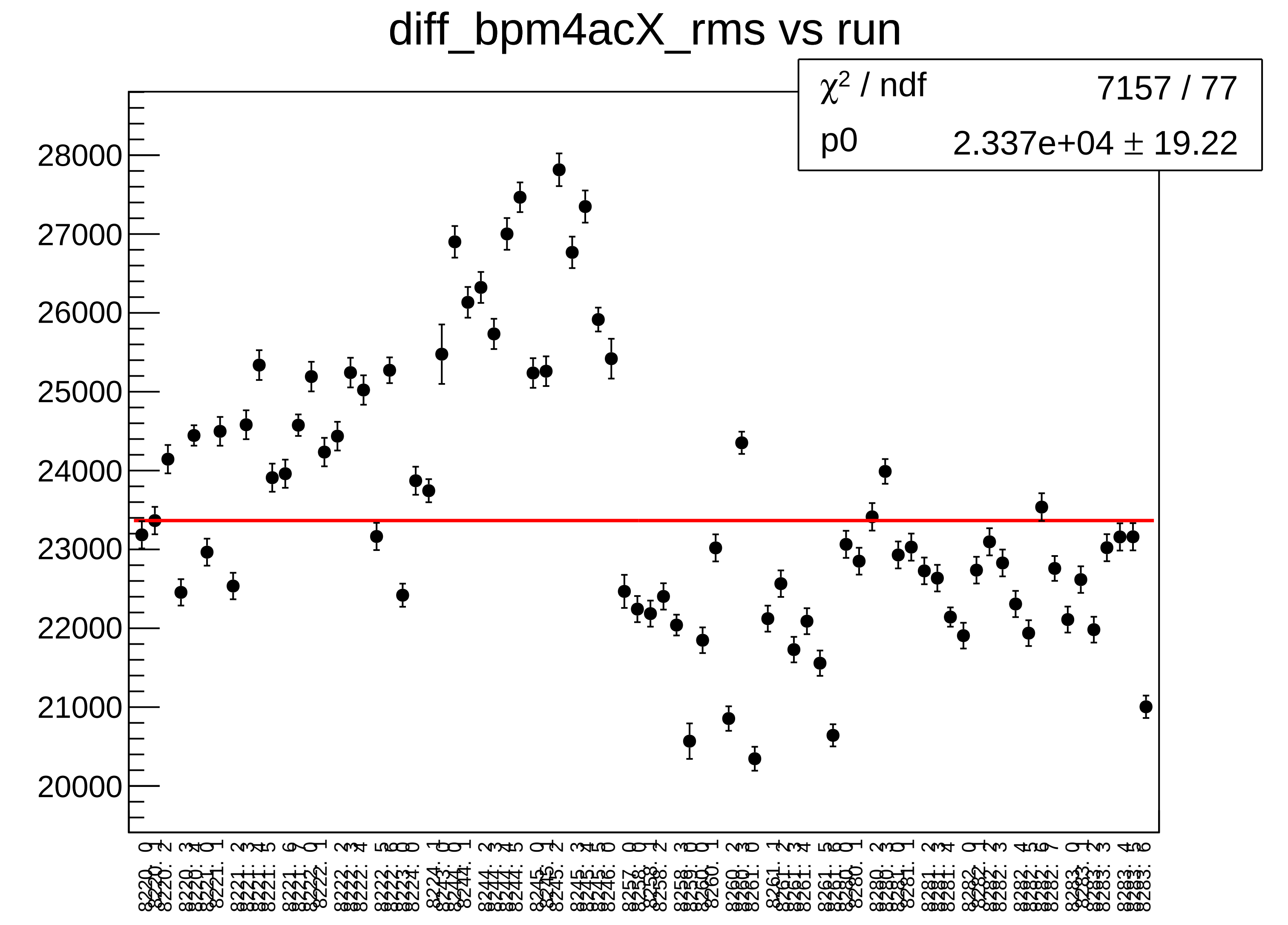


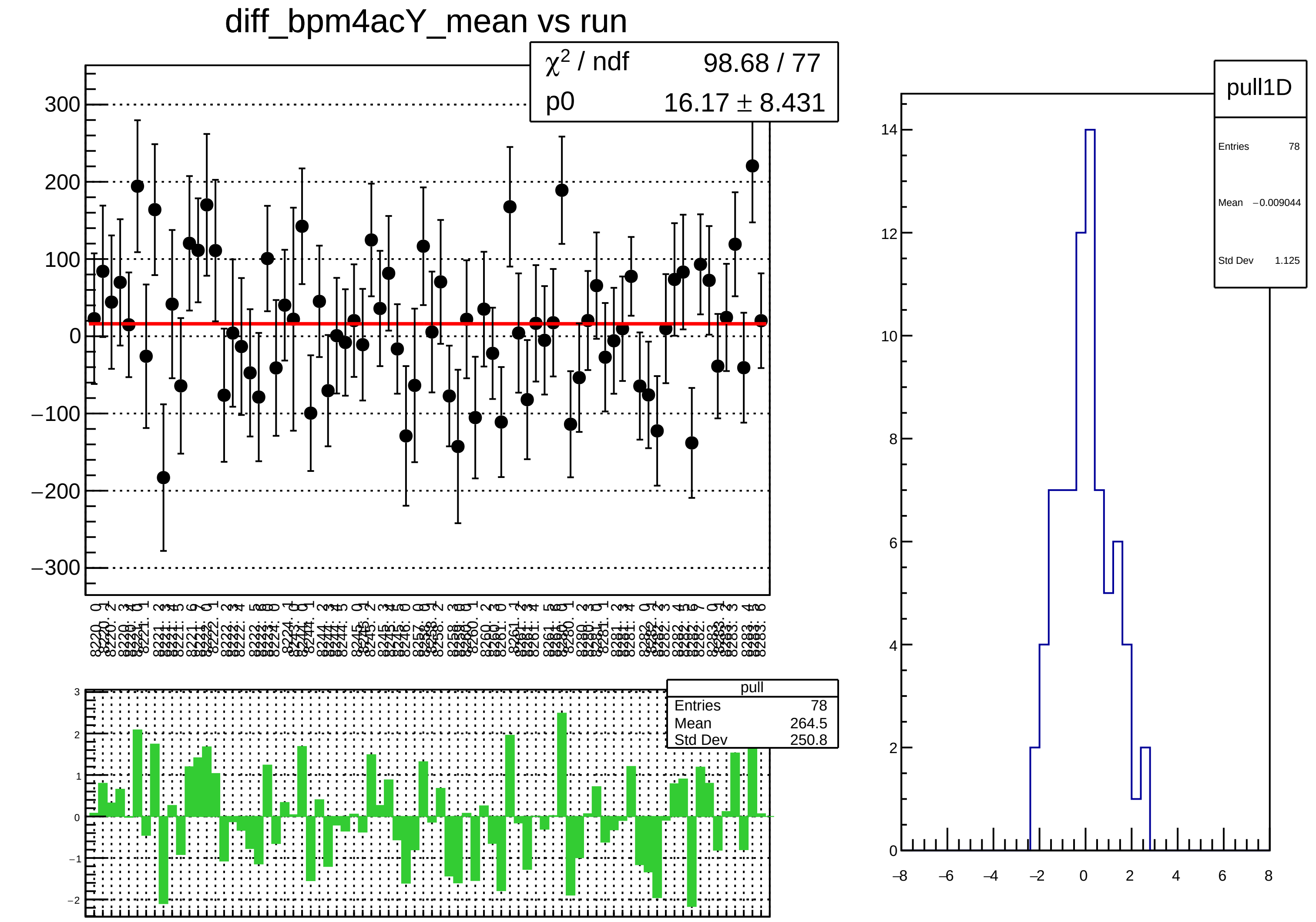

diff_bpm4eY_mean vs run
χ2 / ndf 102.4 / 77
p0 18.88 ± 8.161
pull
Entries 78
Mean 55.37
Std Dev 99.23
pull1D
Entries 78
Mean −0.01349
Std Dev 1.146


diff_bpm4eY_rms vs run
χ^2 / ndf 1.471e+04 / 77
p0 6997 ± 5.77
9000
8500
8000
7500
7000
6500
6000

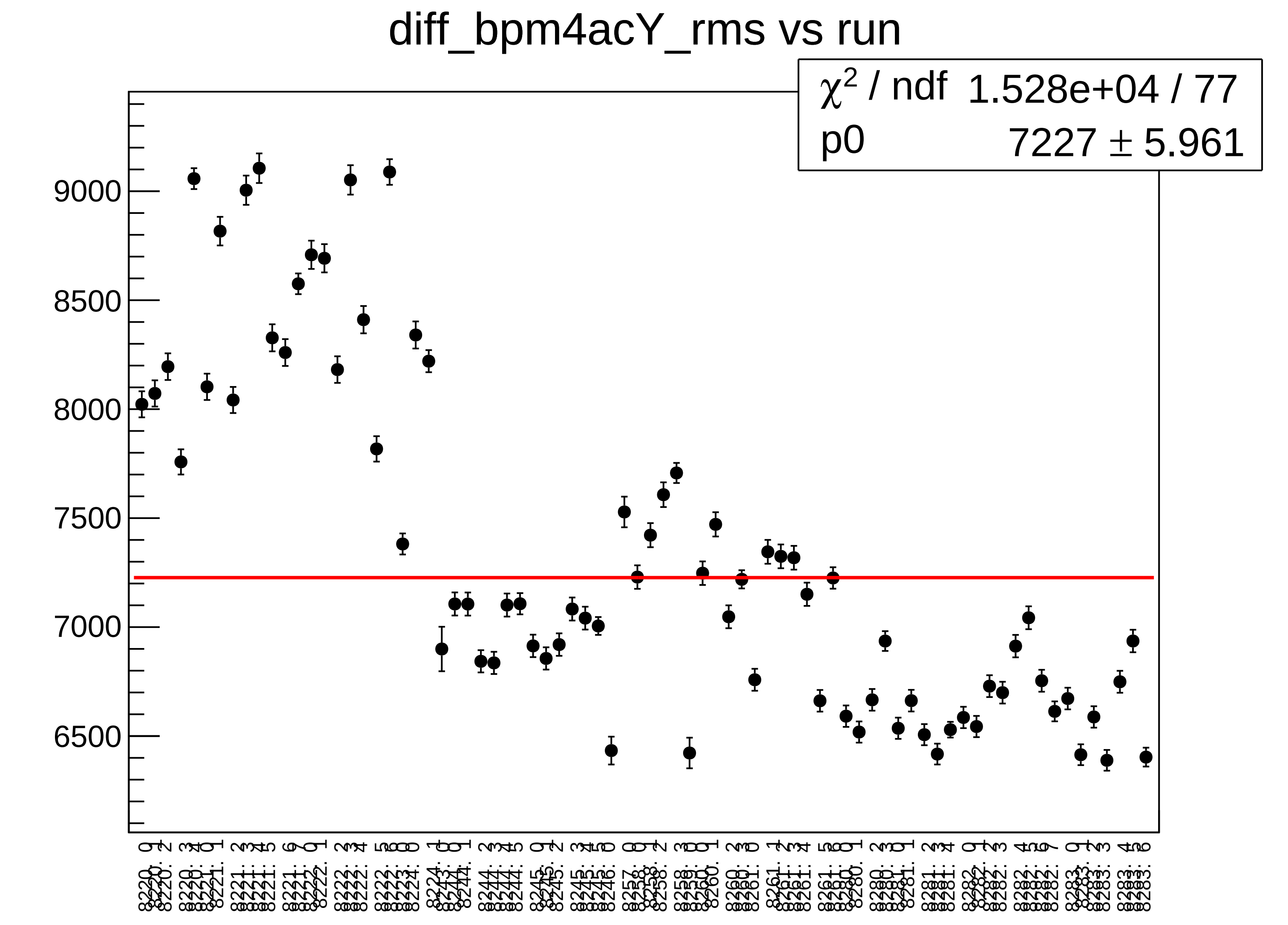


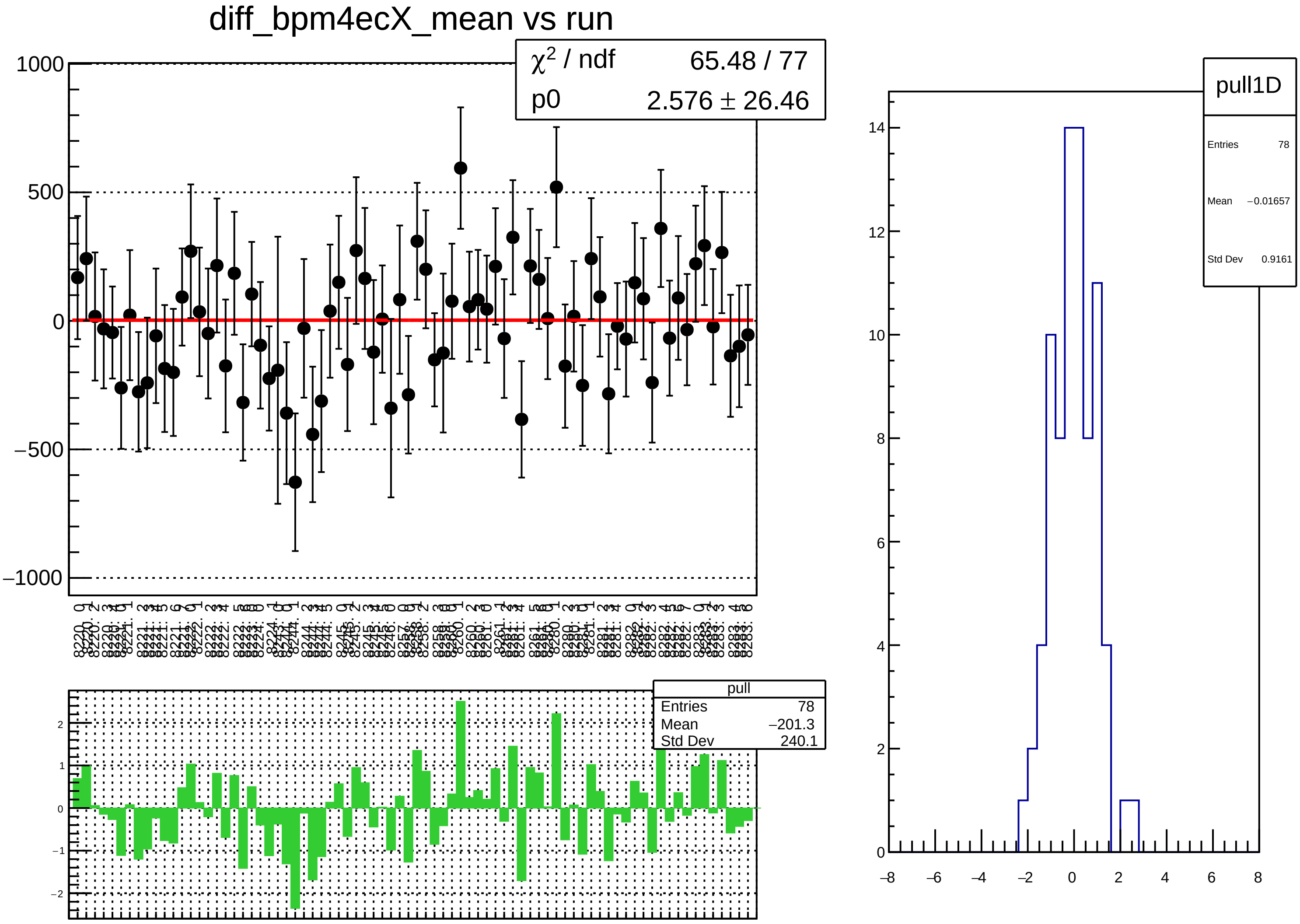
diff_bpm4acX_mean vs run
χ^2 / ndf 65.13 / 77
p0 0.186 ± 27.18
pull
Entries 78
Mean −195.6
Std Dev 233.9
pull1D
Entries 78
Mean −0.0168
Std Dev 0.9136


diff_bpm4acX_rms vs run
χ^2 / ndf 7157 / 77
p0 2.337e+04 ± 19.22
28000
27000
26000
25000
24000
23000
22000
21000
20000

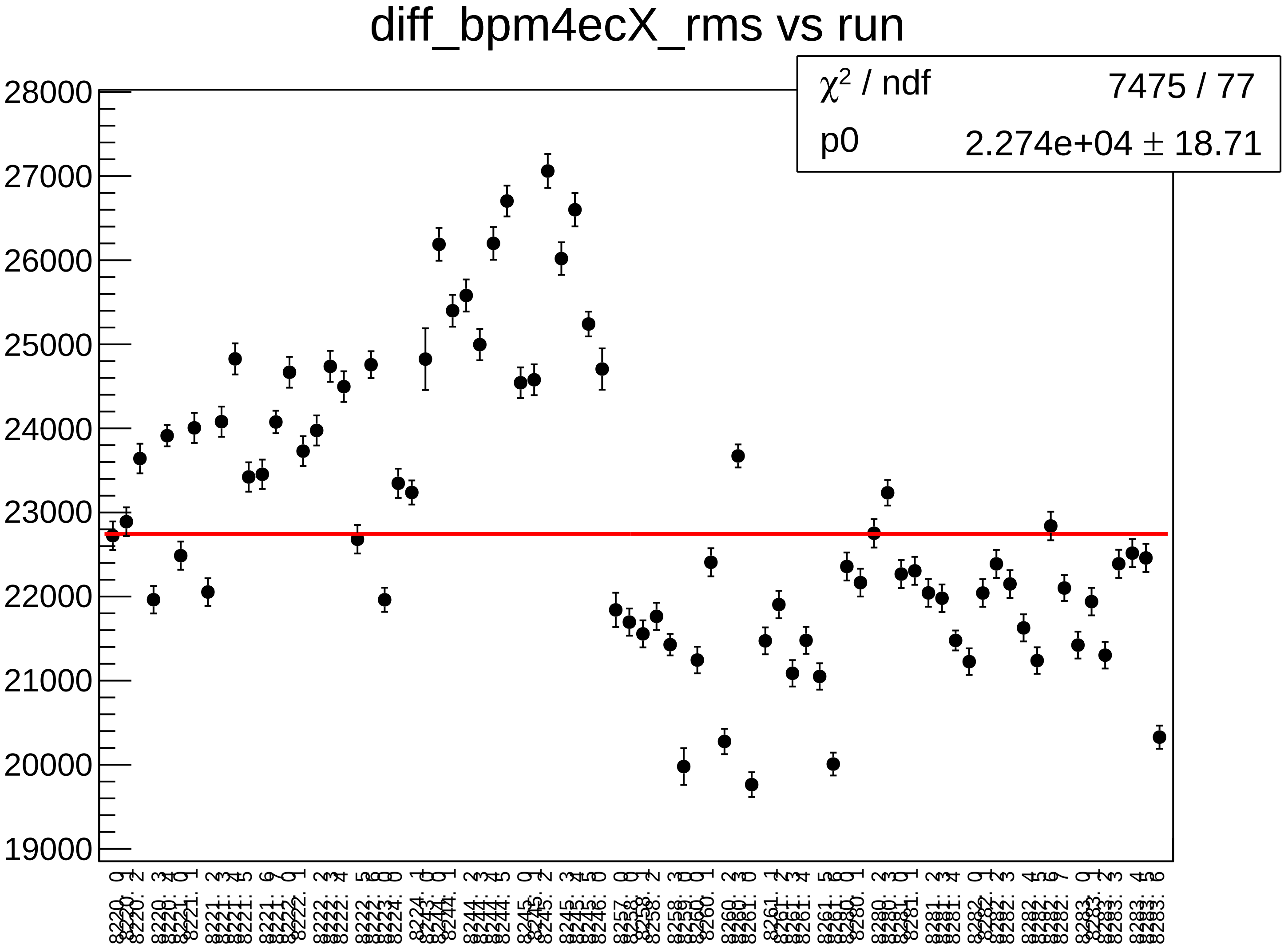


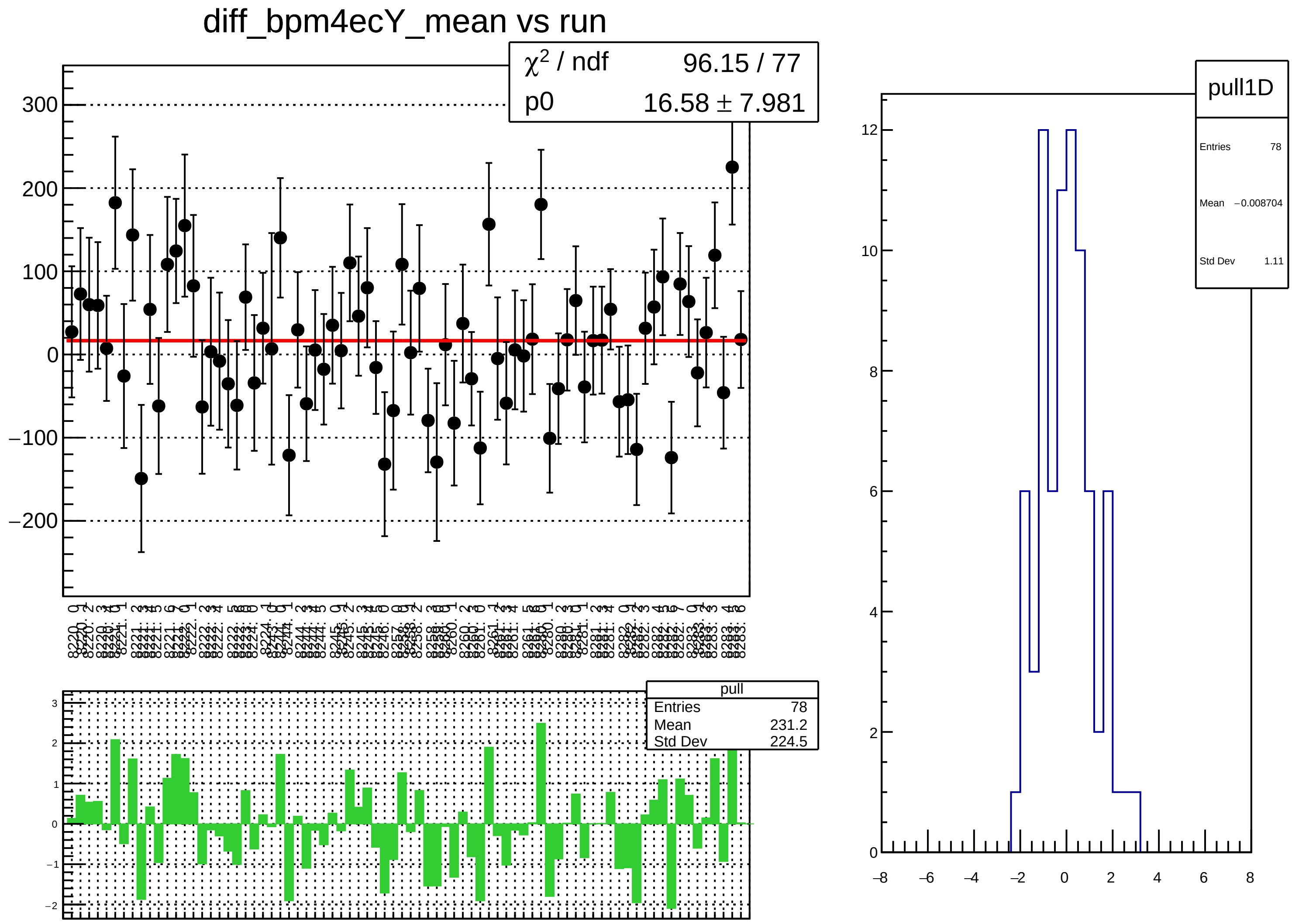
diff_bpm4acY_mean vs run
χ^2 / ndf 98.68 / 77
p0 16.17 ± 8.431
pull
Entries 78
Mean 264.5
Std Dev 250.8
pull1D
Entries 78
Mean −0.009044
Std Dev 1.125

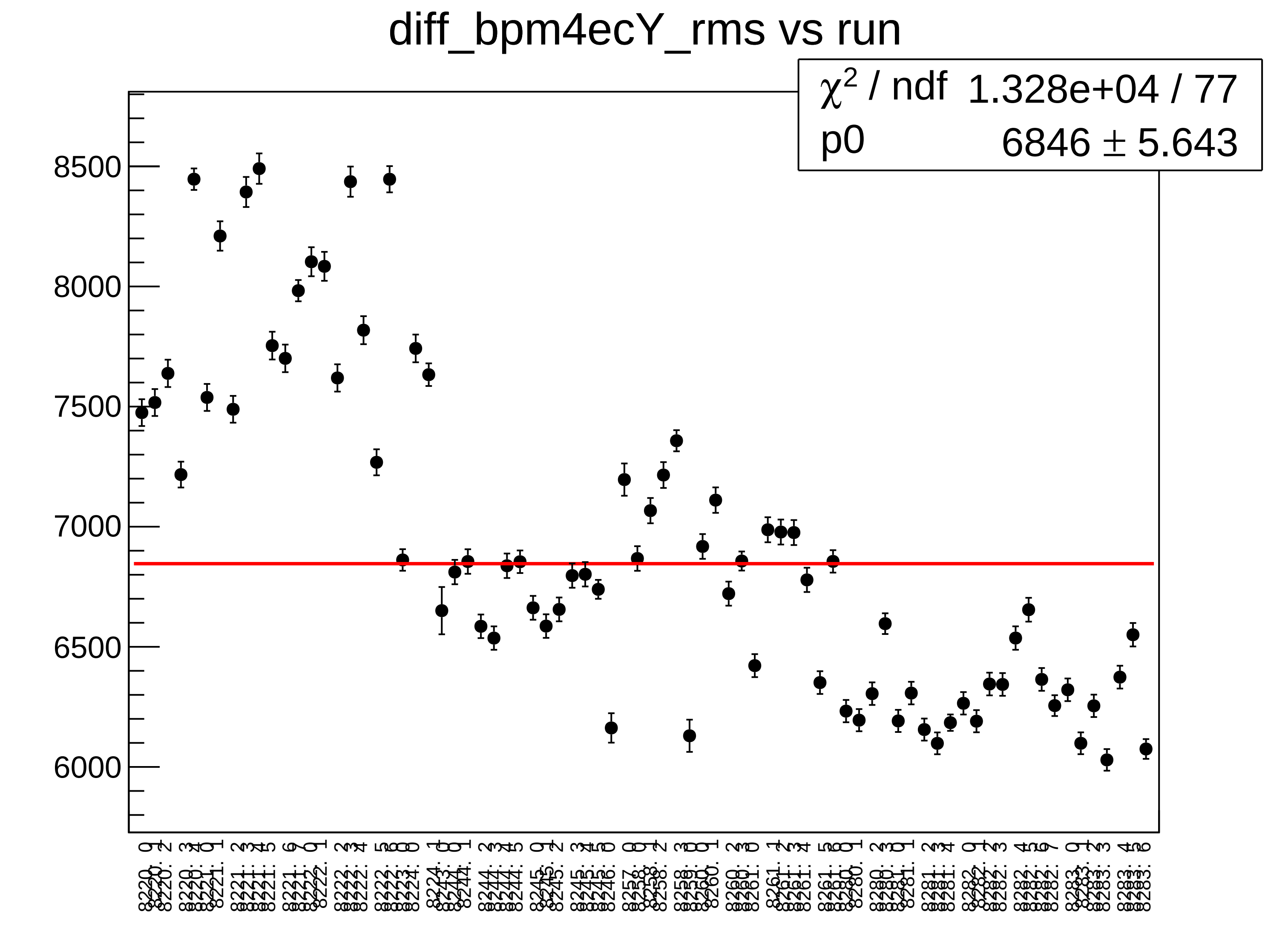

diff_bpm4acY_rms vs run
χ^2 / ndf 1.528e+04 / 77
p0 7227 ± 5.961
9000
8500
8000
7500
7000
6500

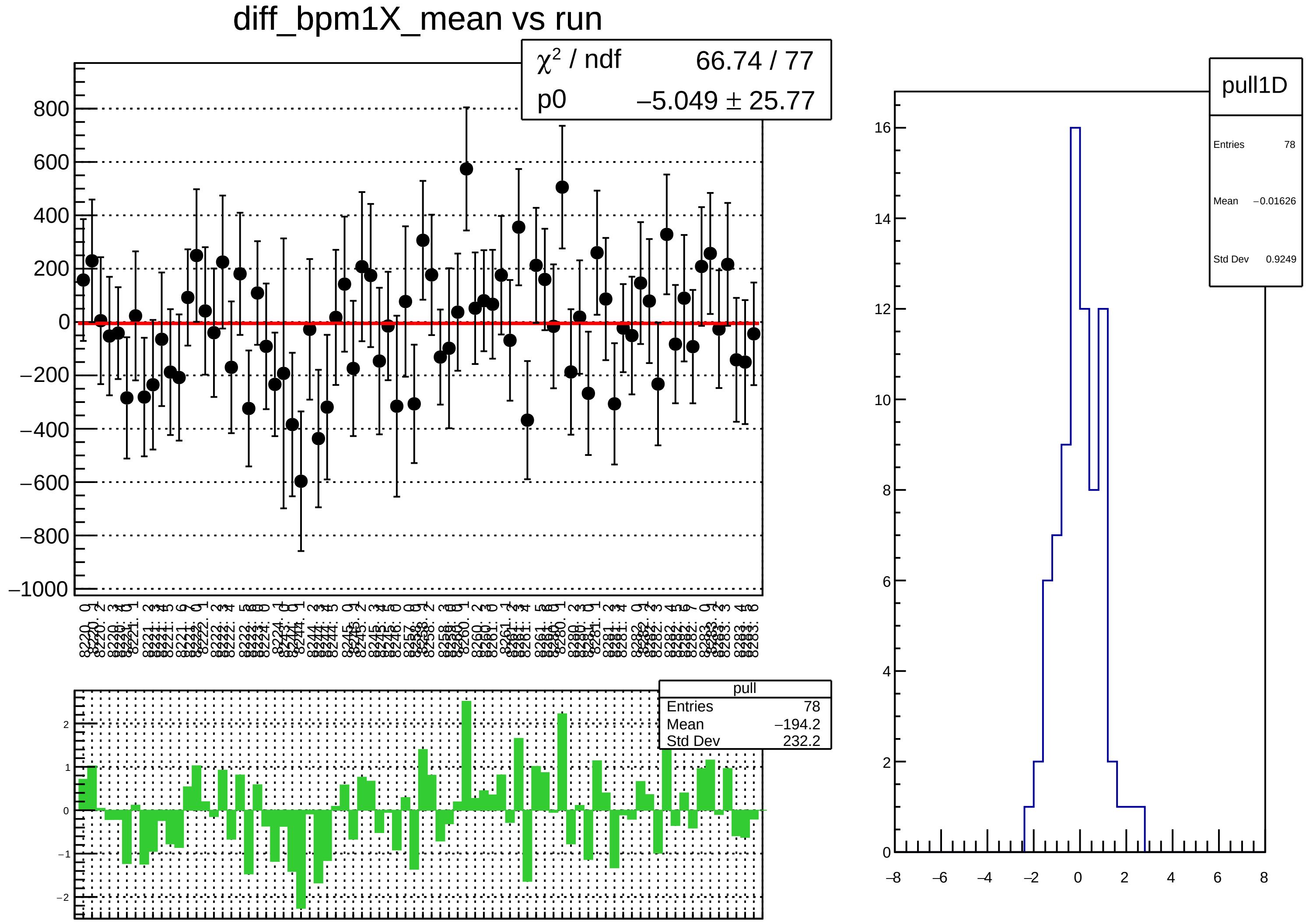


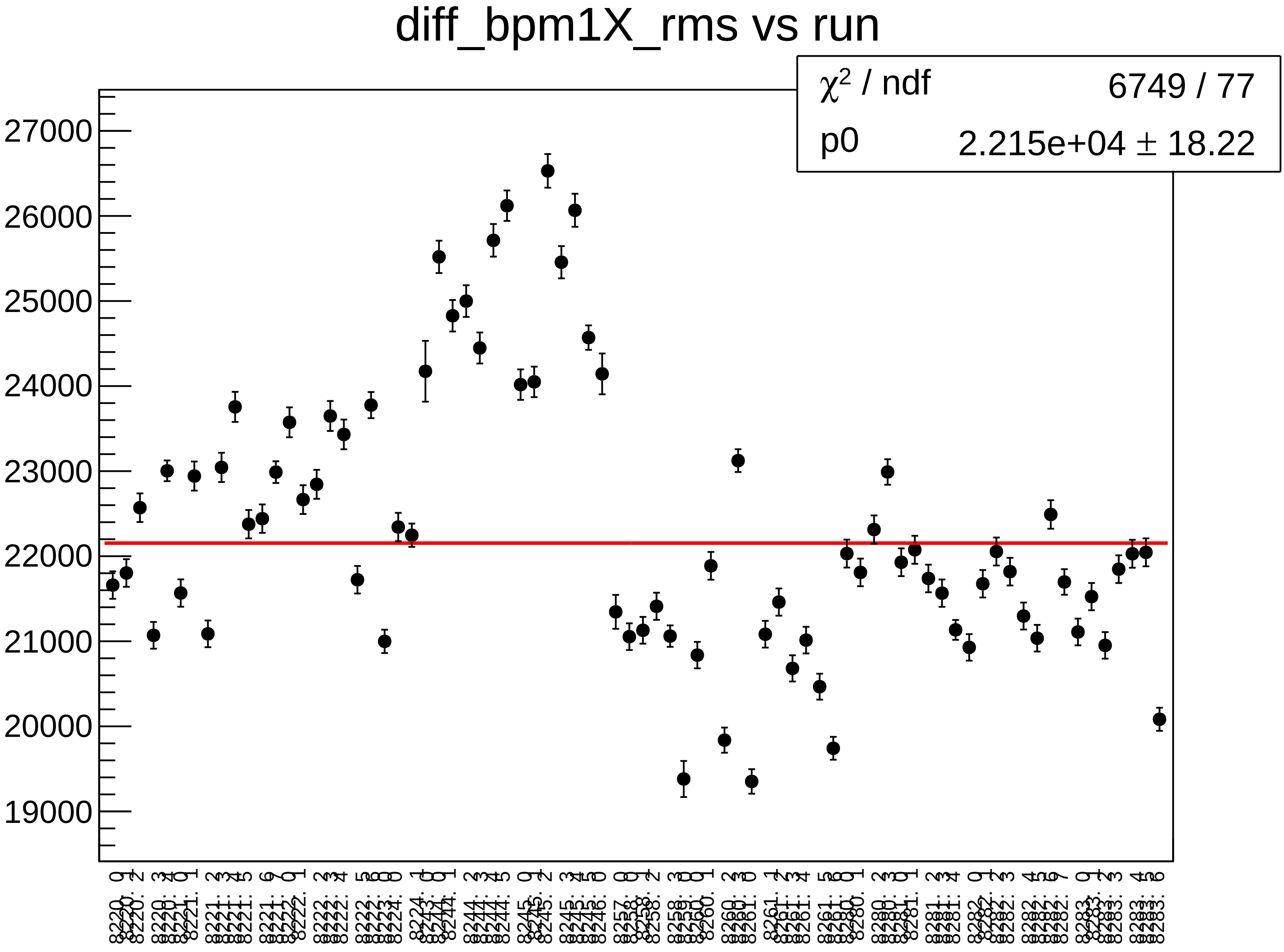
diff_bpm4ecX_mean vs run
χ^2 / ndf 65.48 / 77
p0 2.576 ± 26.46
pull
Entries 78
Mean −201.3
Std Dev 240.1
pull1D
Entries 78
Mean −0.01657
Std Dev 0.9161

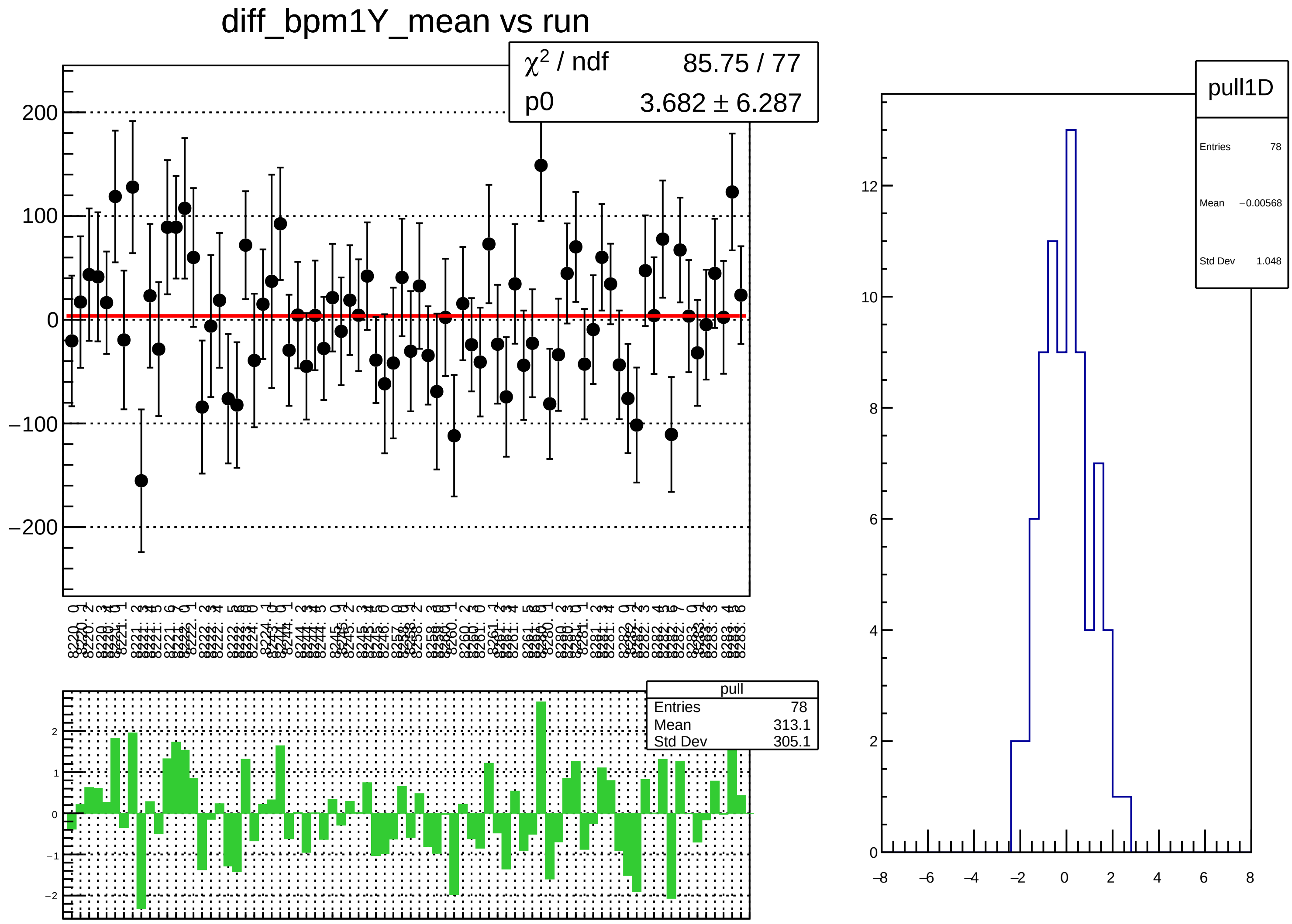

diff_bpm4ecX_rms vs run
χ^2 / ndf 7475 / 77
p0 2.274e+04 ± 18.71
28000
27000
26000
25000
24000
23000
22000
21000
20000
19000


diff_bpm4ecY_mean vs run
χ^2 / ndf 96.15 / 77
p0 16.58 ± 7.981
pull
Entries 78
Mean 231.2
Std Dev 224.5
pull1D
Entries 78
Mean −0.008704
Std Dev 1.11

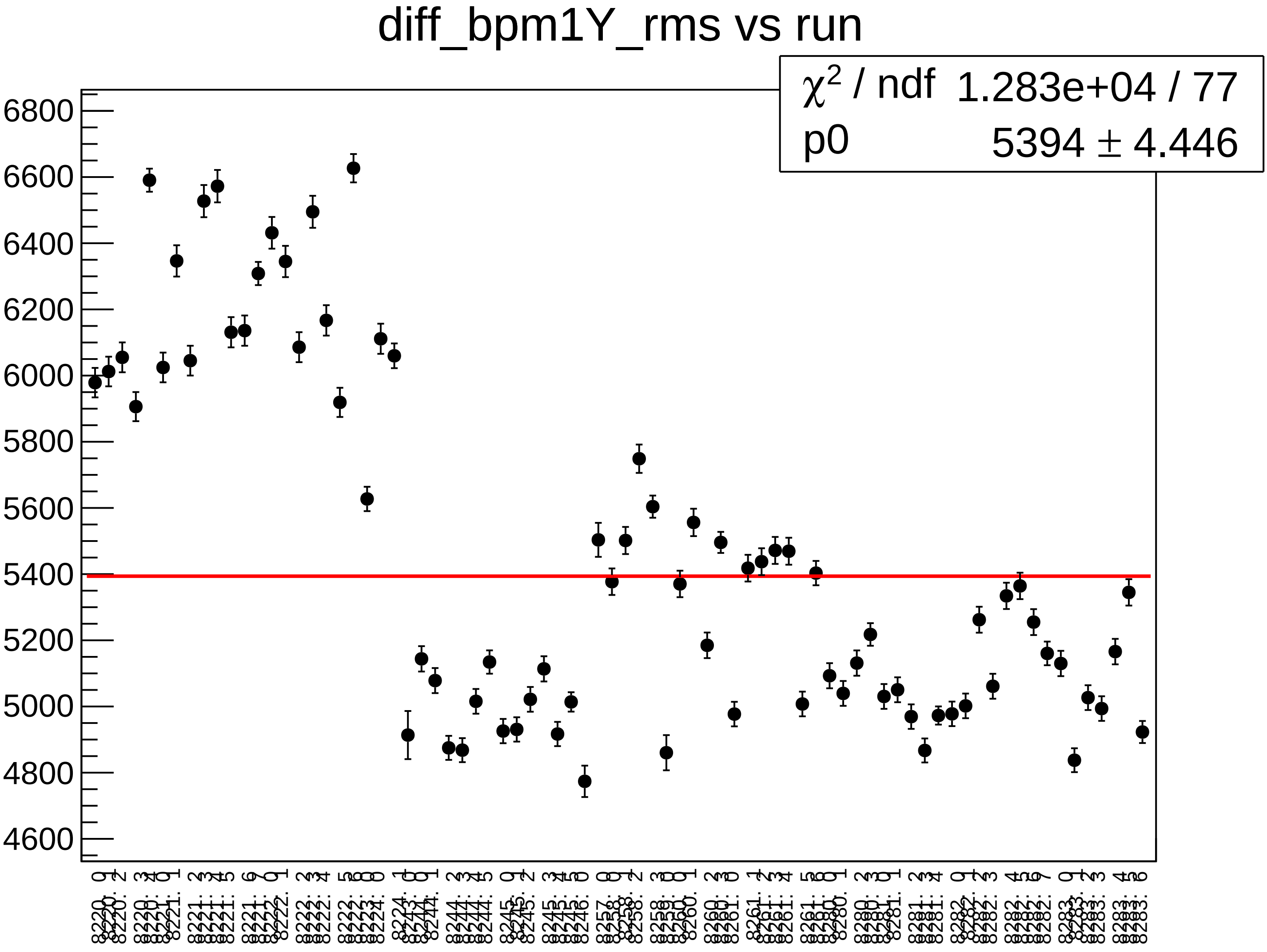

diff_bpm4ecY_rms vs run
χ2 / ndf 1.328e+04 / 77
p0 6846 ± 5.643
8500
8000
7500
7000
6500
6000


diff_bpm1X_mean vs run
χ2 / ndf 66.74 / 77
p0 −5.049 ± 25.77
pull
Entries 78
Mean −194.2
Std Dev 232.2
pull1D
Entries 78
Mean −0.01626
Std Dev 0.9249

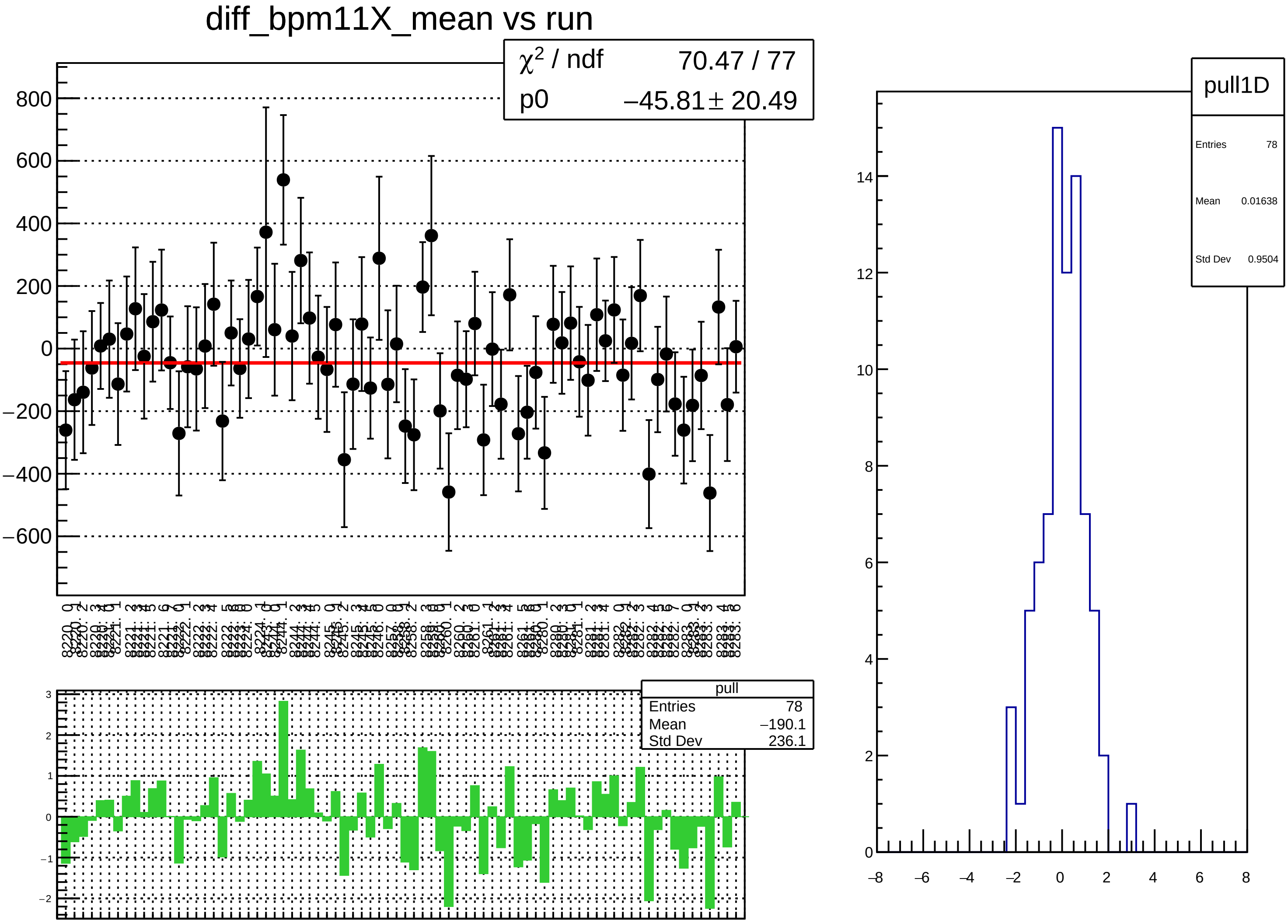

diff_bpm1X_rms vs run
χ^2 / ndf 6749 / 77
p0 2.215e+04 ± 18.22
27000
26000
25000
24000
23000
22000
21000
20000
19000



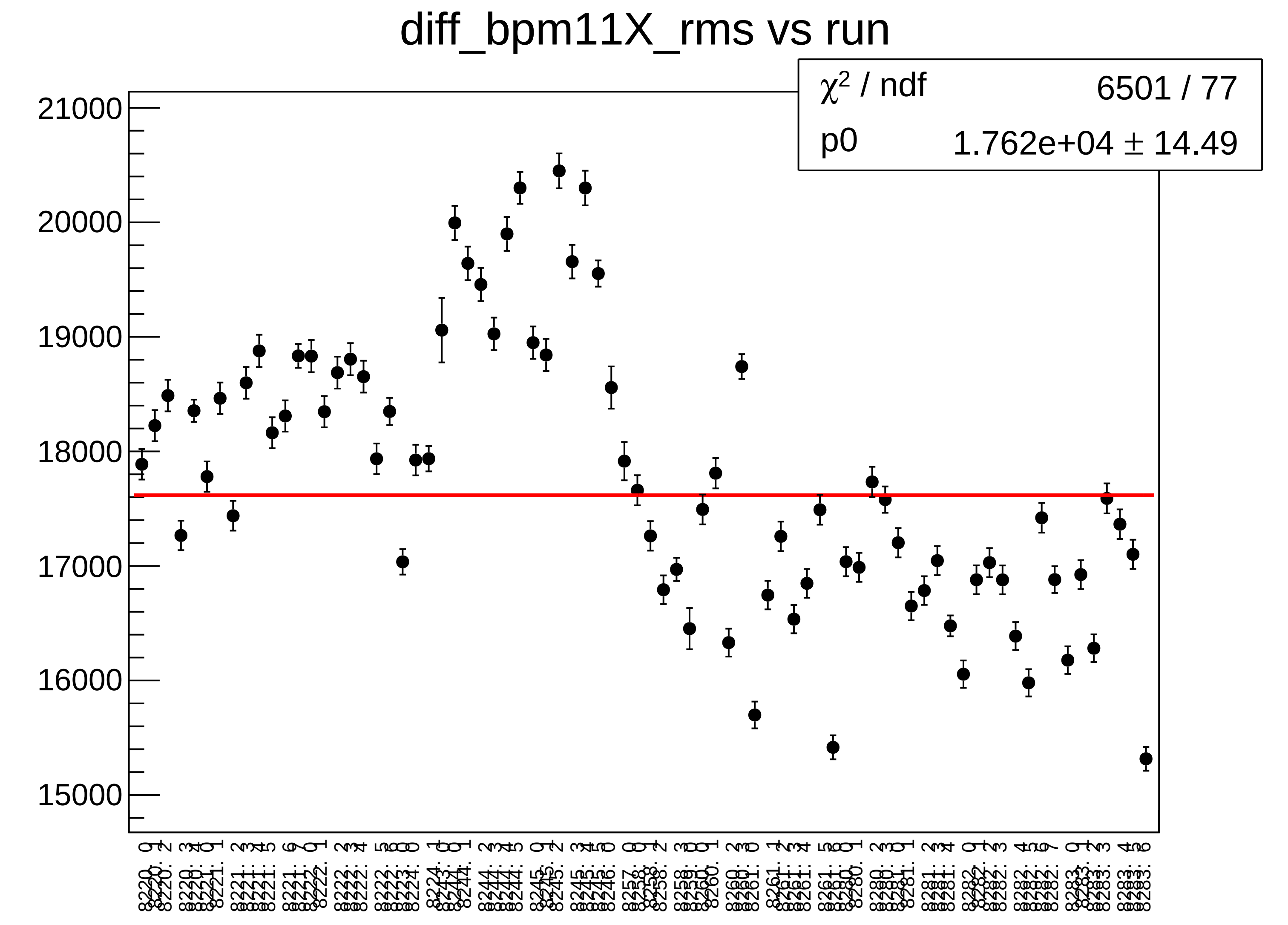
diff_bpm1Y_mean vs run
χ2 / ndf 85.75 / 77
p0 3.682 ± 6.287
200
100
0
−100
−200
pull
Entries 78
Mean 313.1
Std Dev 305.1
pull1D
Entries 78
Mean −0.00568
Std Dev 1.048



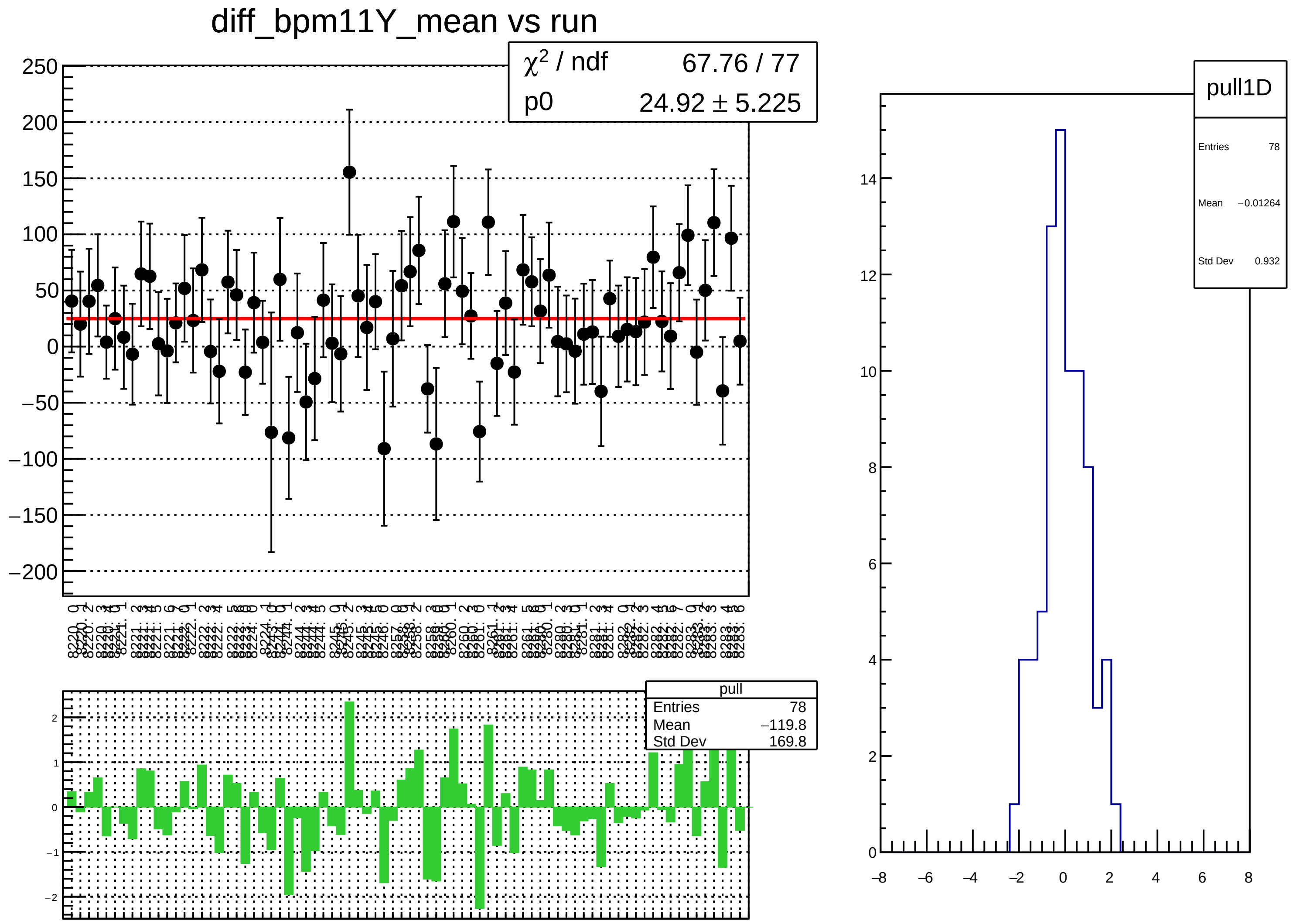
diff_bpm1Y_rms vs run
χ^2 / ndf 1.283e+04 / 77
p0 5394 ± 4.446
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600



diff_bpm11X_mean vs run
χ^2 / ndf 70.47 / 77
p0 −45.81 ± 20.49
800
600
400
200
0
−200
−400
−600
pull
Entries 78
Mean −190.1
Std Dev 236.1
pull1D
Entries 78
Mean 0.01638
Std Dev 0.9504

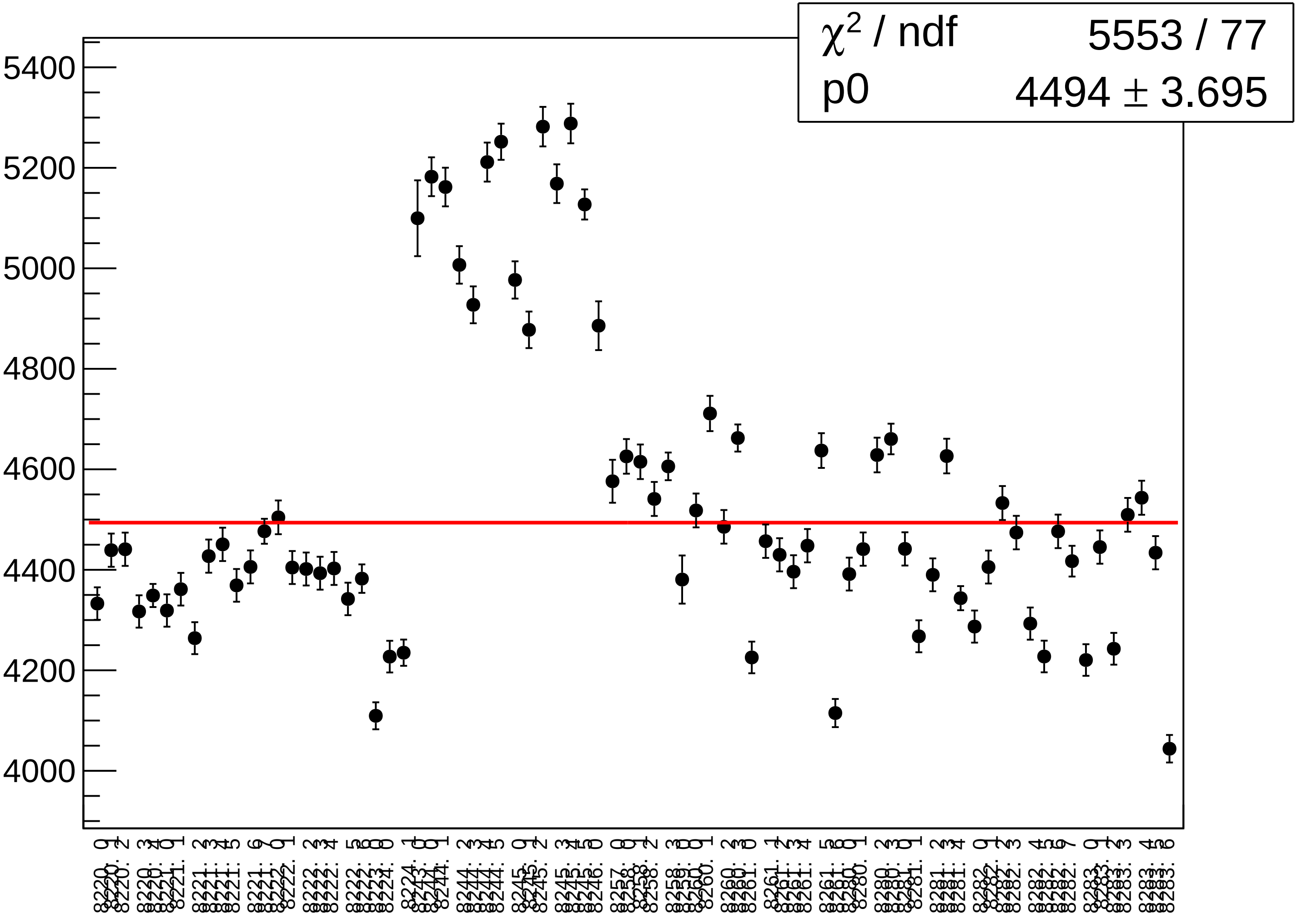


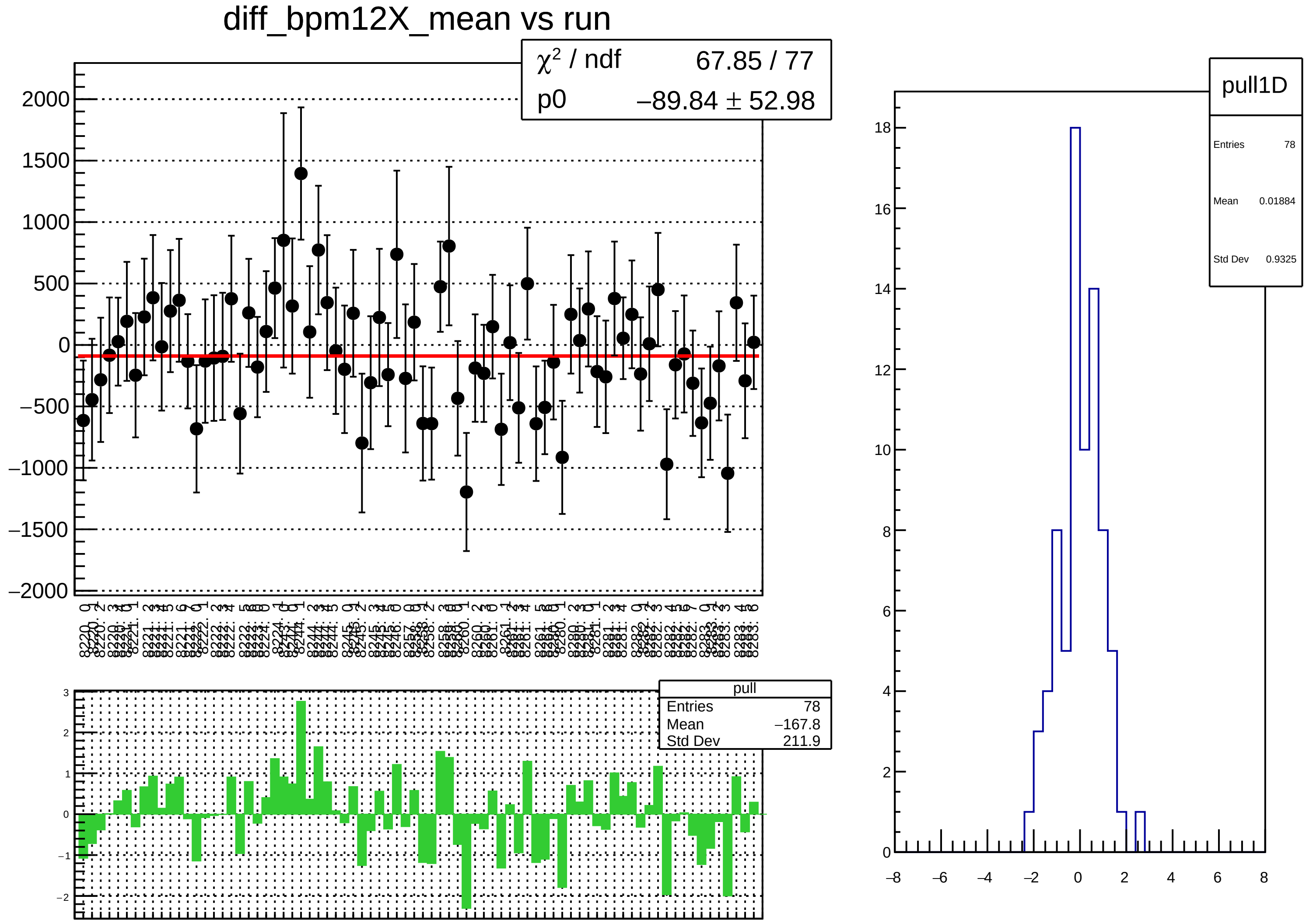
diff_bpm11X_rms vs run
χ² / ndf 6501 / 77
p0 1.762e+04 ± 14.49
21000
20000
19000
18000
17000
16000
15000



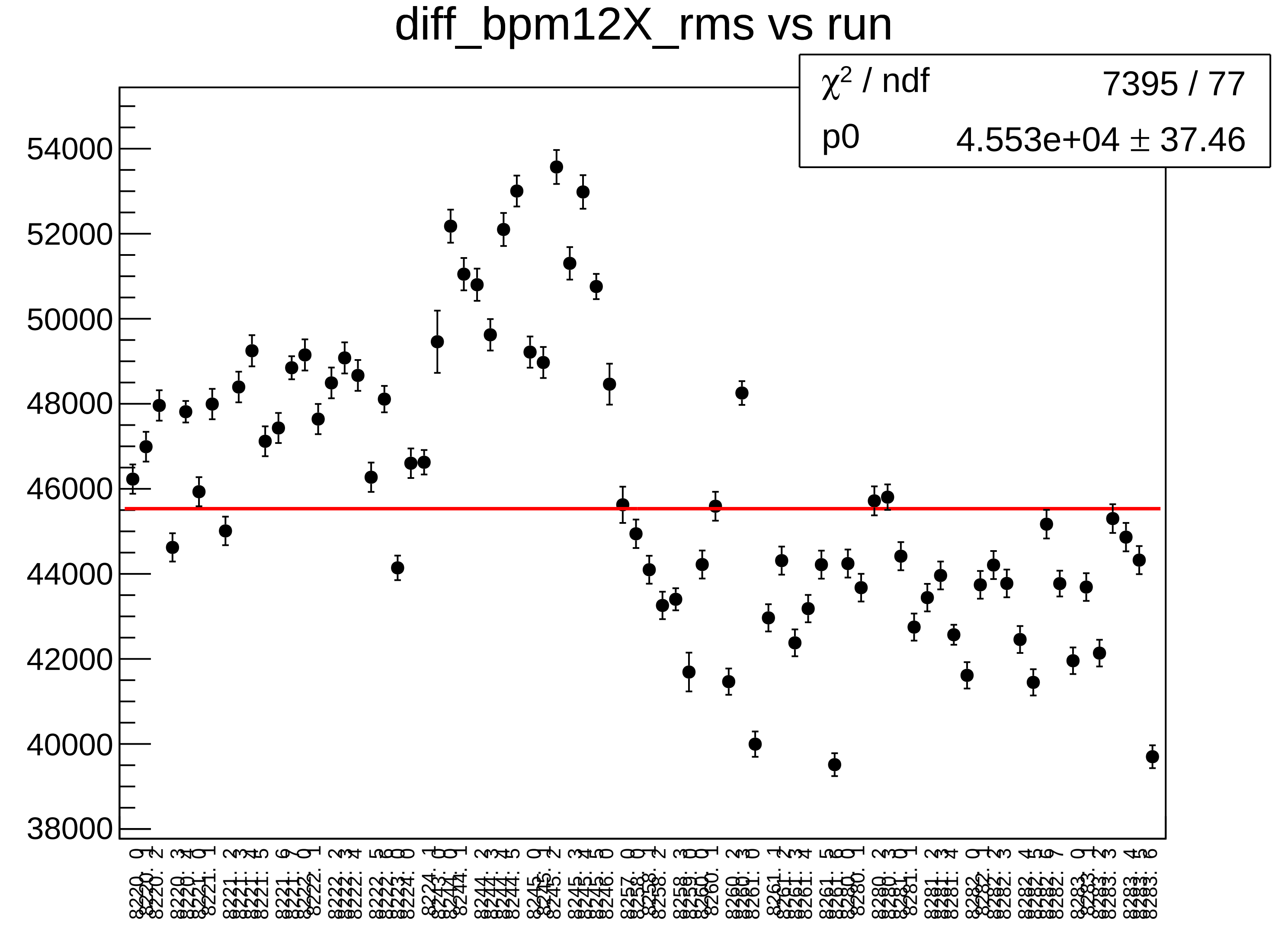
diff_bpm11Y_mean vs run
χ^2 / ndf 67.76 / 77
p0 24.92 ± 5.225
pull
Entries 78
Mean −119.8
Std Dev 169.8
pull1D
Entries 78
Mean −0.01264
Std Dev 0.932

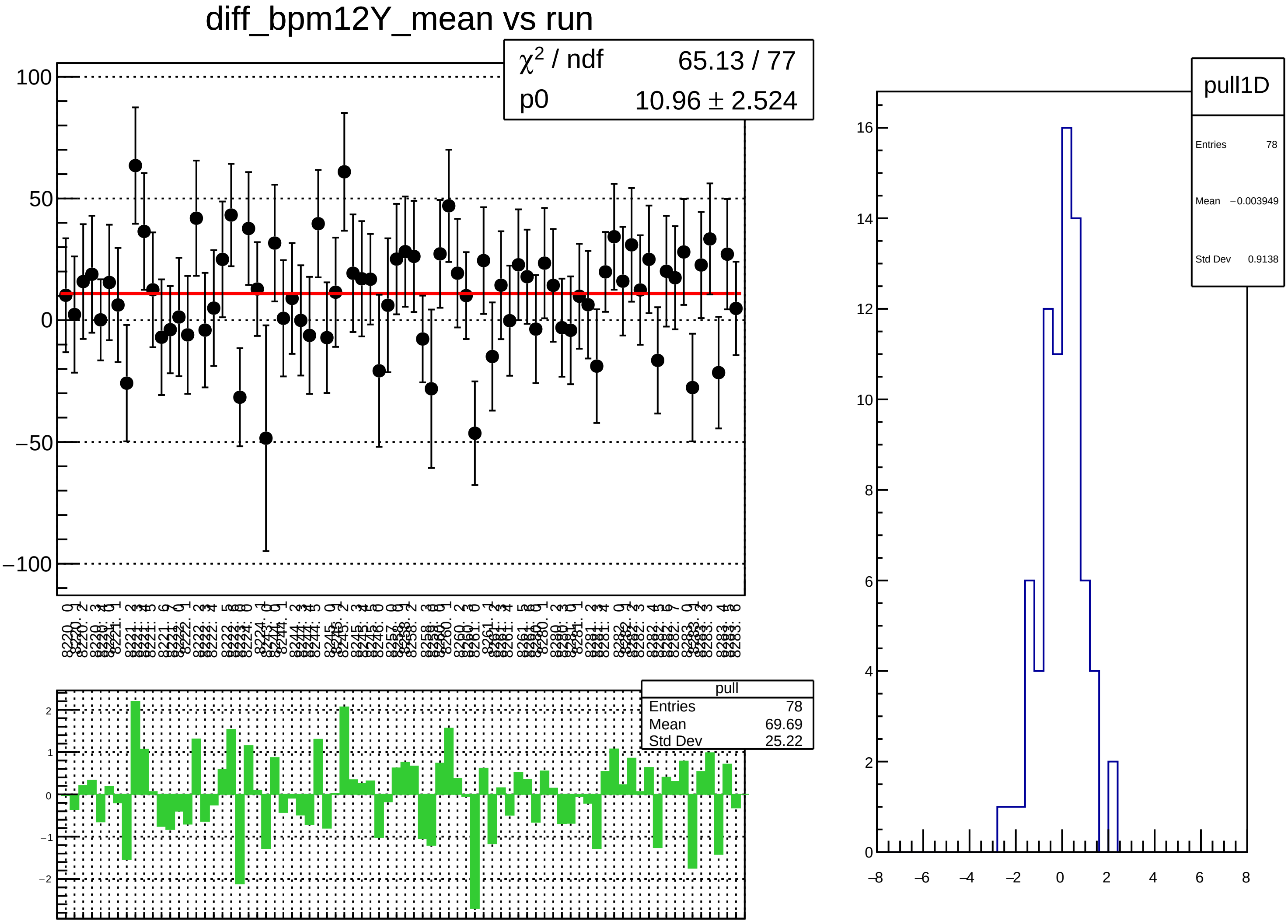
diff_bpm11Y_rms vs run



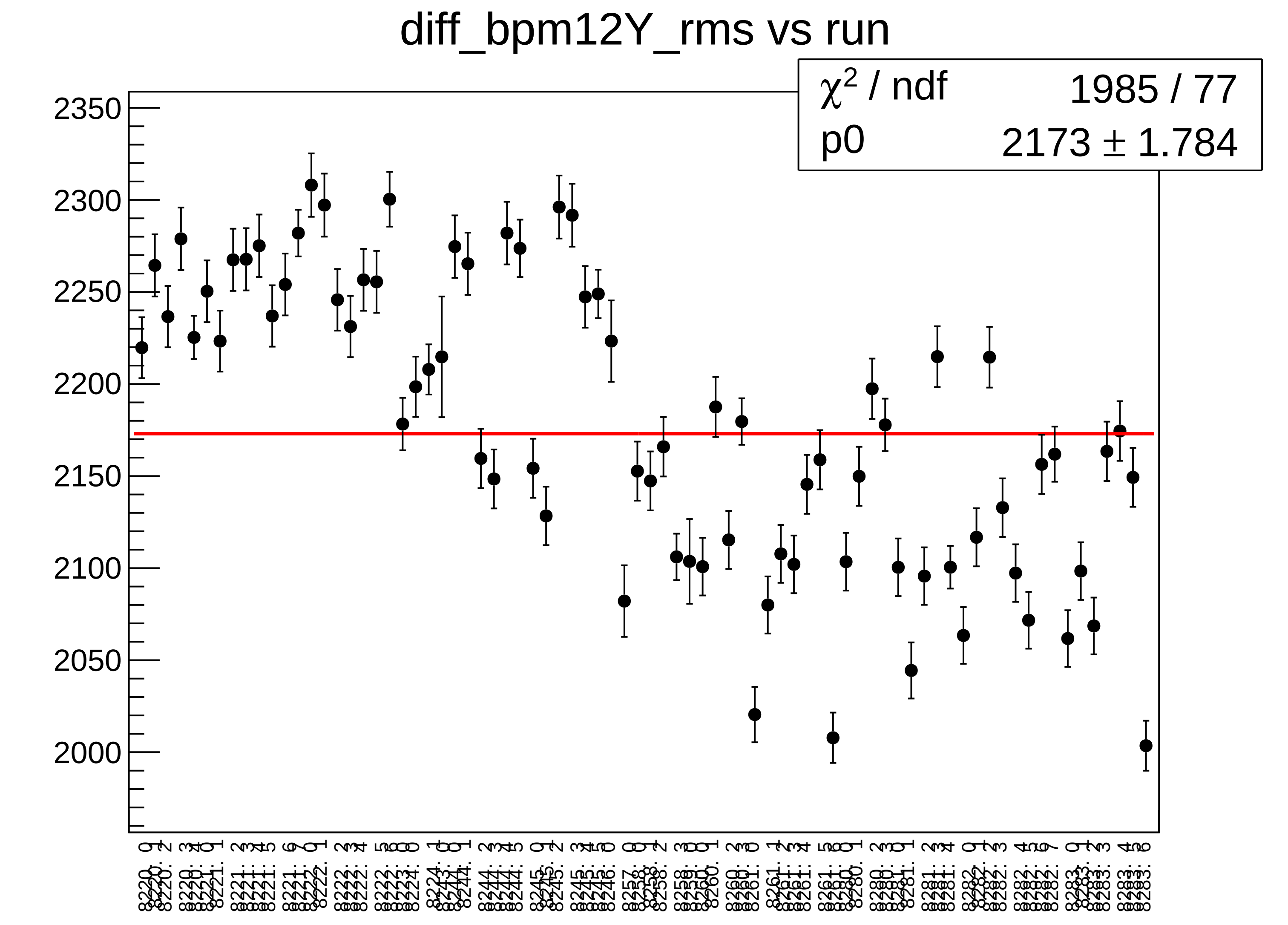


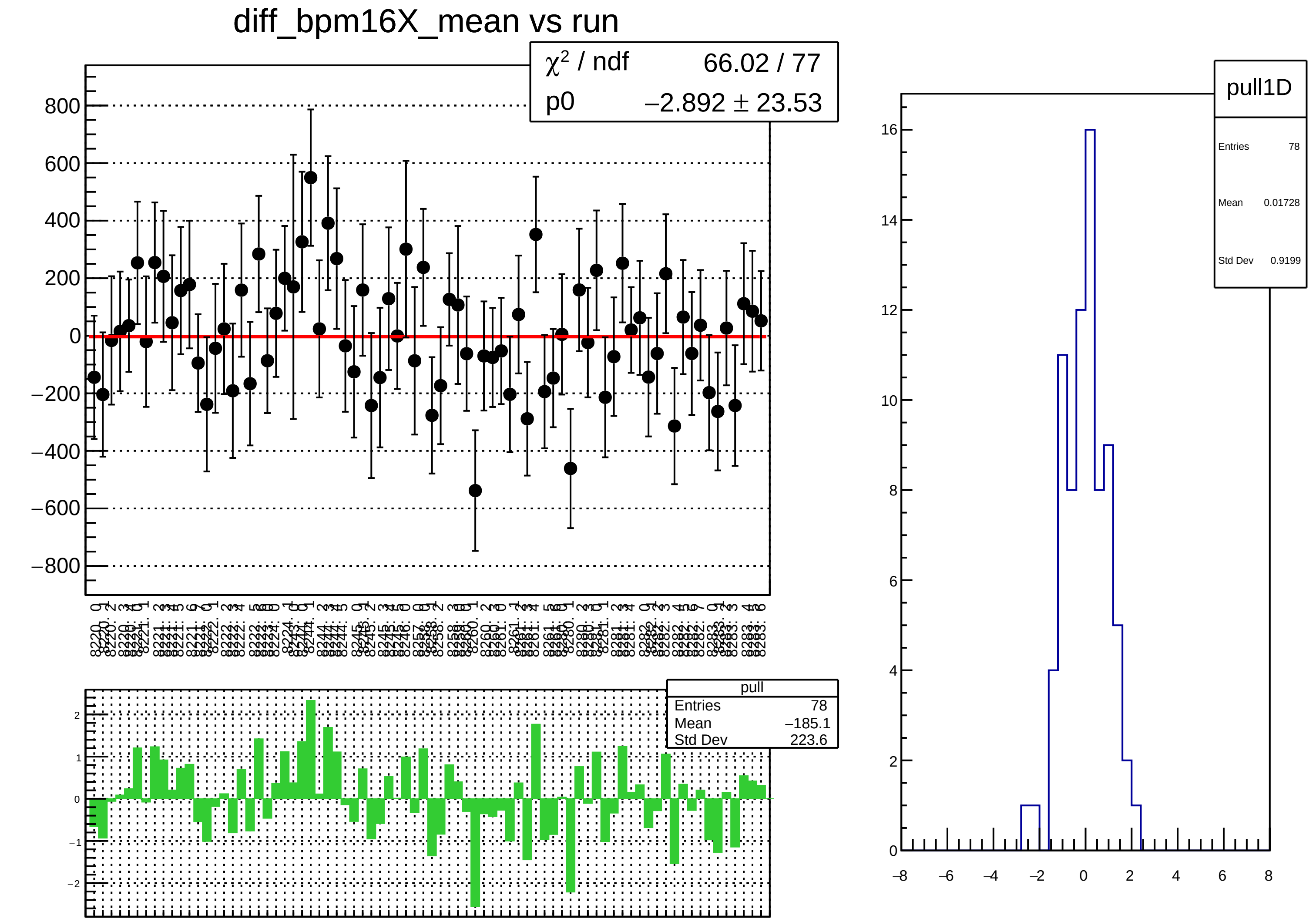
diff_bpm12X_mean vs run
χ^2 / ndf 67.85 / 77
p0 −89.84 ± 52.98
pull
Entries 78
Mean −167.8
Std Dev 211.9
pull1D
Entries 78
Mean 0.01884
Std Dev 0.9325

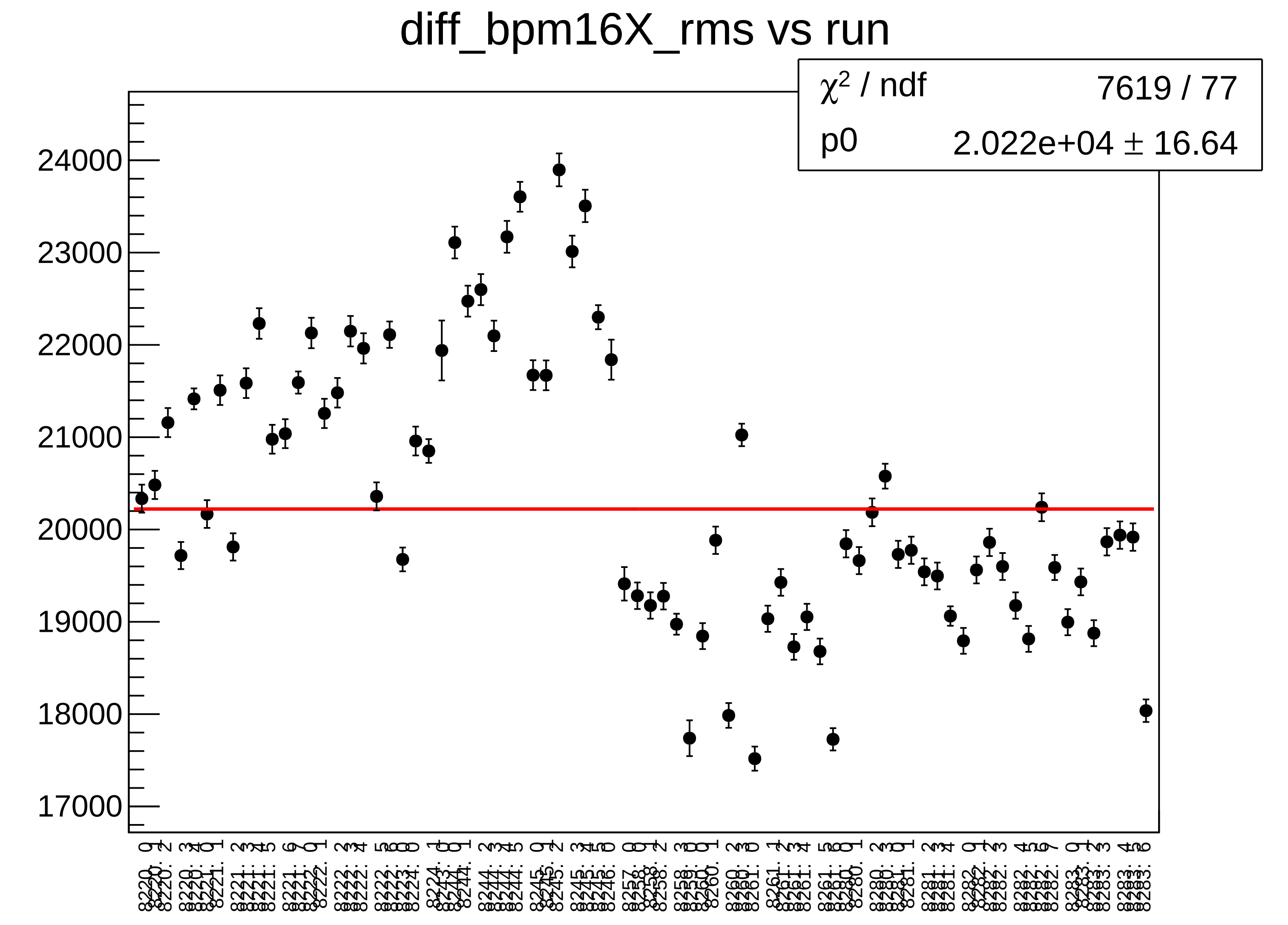

diff_bpm12X_rms vs run
χ2 / ndf 7395 / 77
p0 4.553e+04 ± 37.46
54000
52000
50000
48000
46000
44000
42000
40000
38000

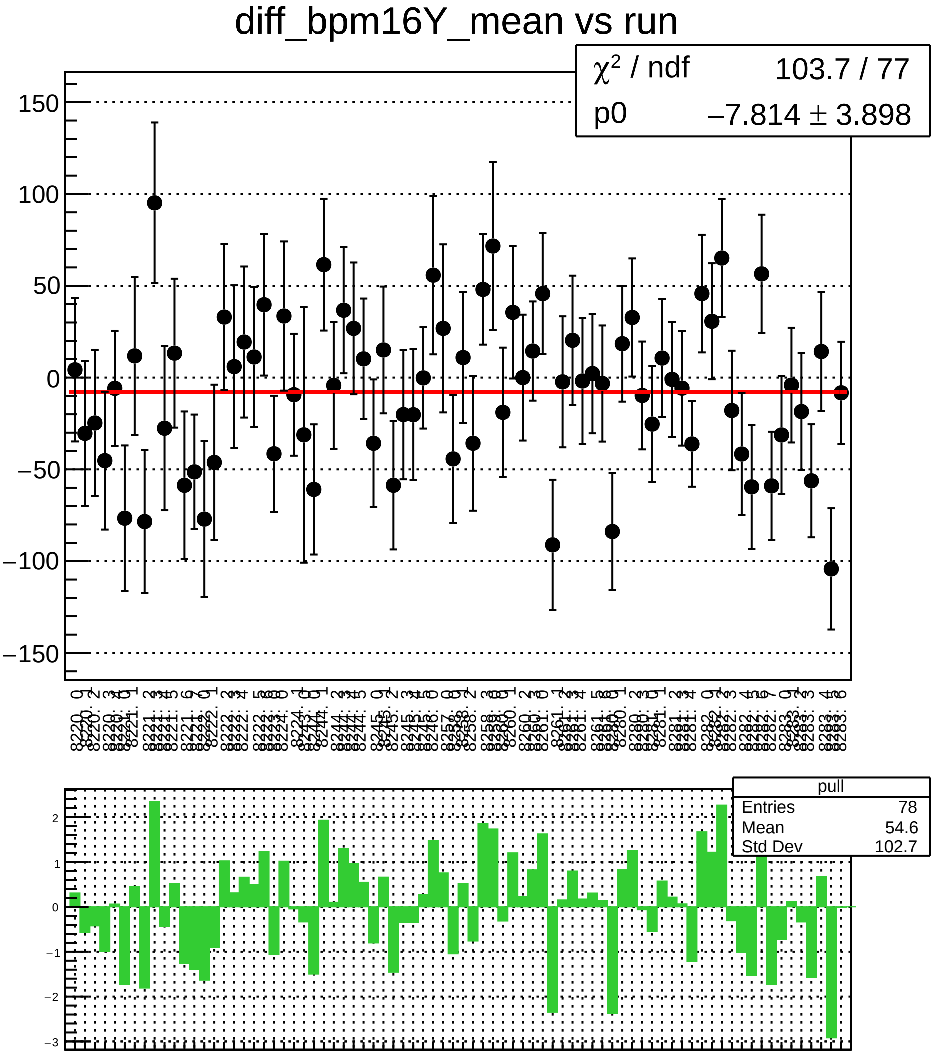


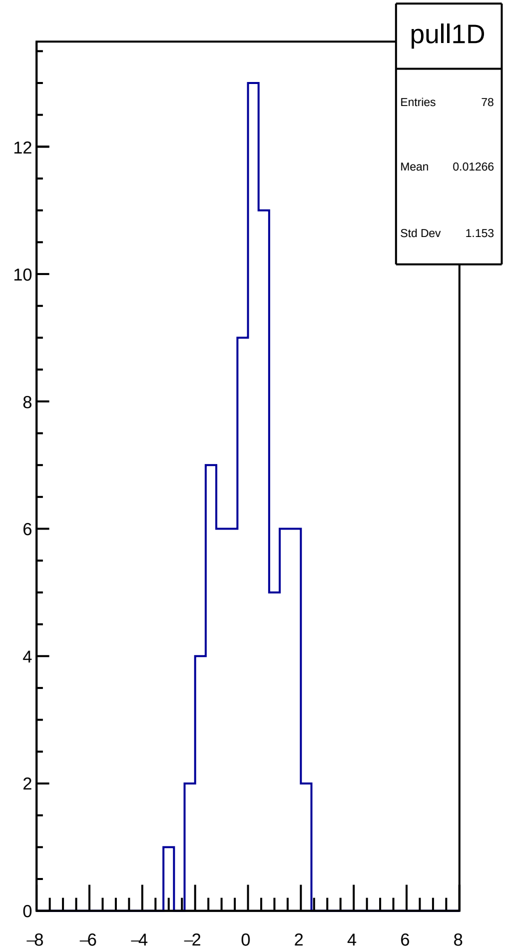
diff_bpm12Y_mean vs run
χ^2 / ndf 65.13 / 77
p0 10.96 ± 2.524
100
50
0
−50
−100
pull
Entries 78
Mean 69.69
Std Dev 25.22
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.003949
Std Dev 0.9138
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

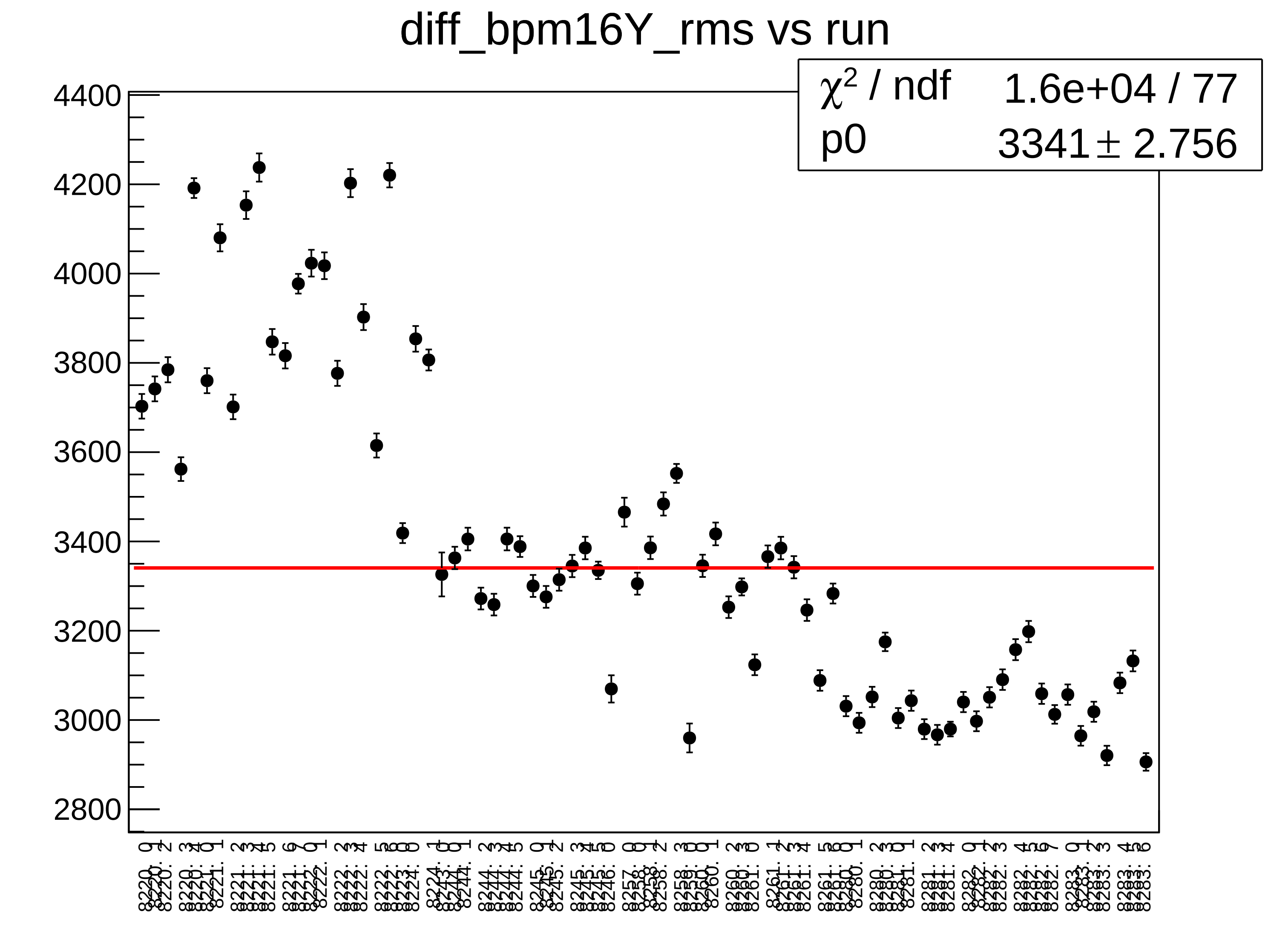

diff_bpm12Y_rms vs run
χ^2 / ndf 1985 / 77
p0 2173 ± 1.784
2350
2300
2250
2200
2150
2100
2050
2000

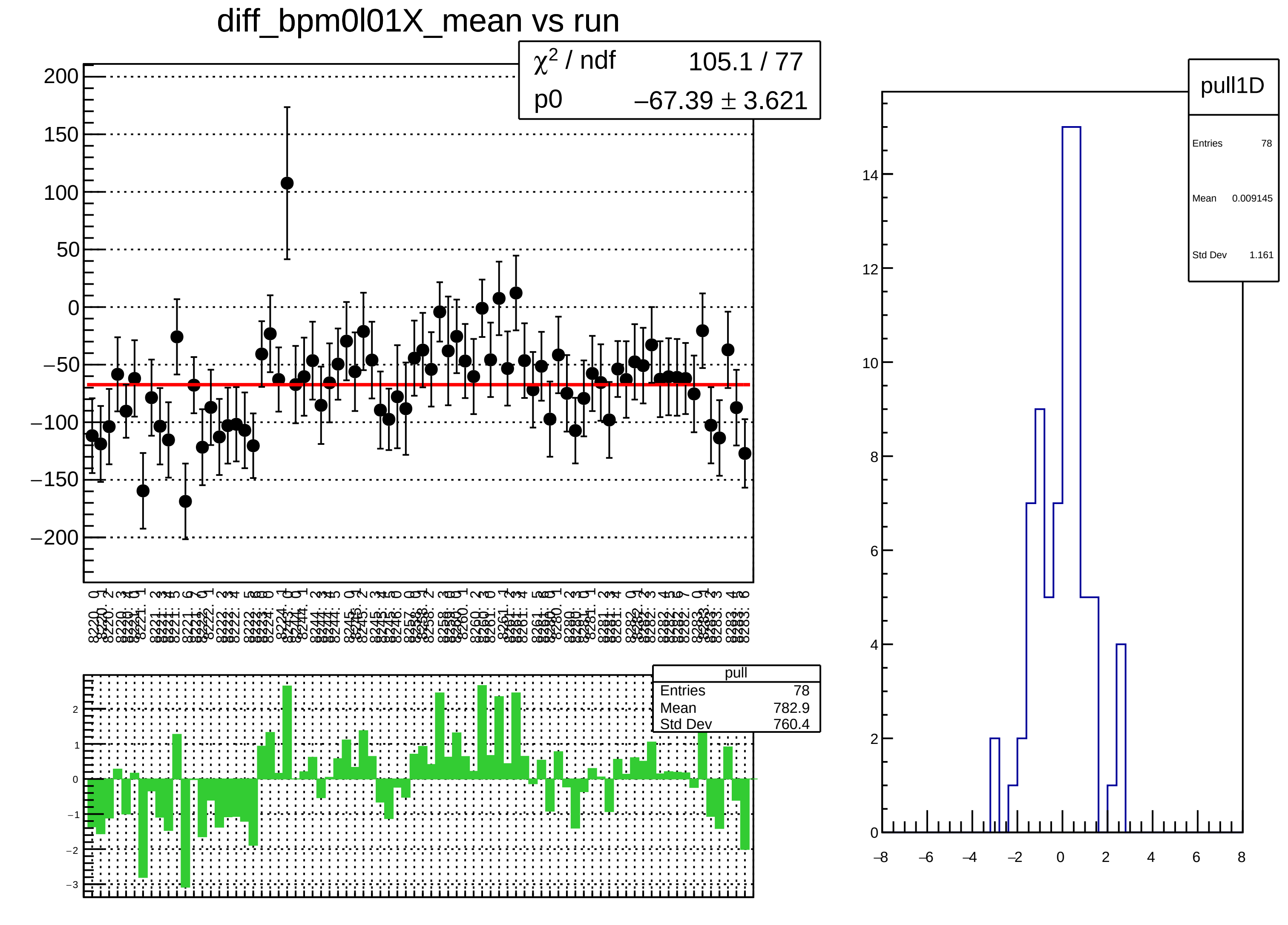

diff_bpm16X_mean vs run
χ^2 / ndf 66.02 / 77
p0 −2.892 ± 23.53
pull
Entries 78
Mean −185.1
Std Dev 223.6
pull1D
Entries 78
Mean 0.01728
Std Dev 0.9199


diff_bpm16X_rms vs run
χ^2 / ndf 7619 / 77
p0 2.022e+04 ± 16.64
24000
23000
22000
21000
20000
19000
18000
17000

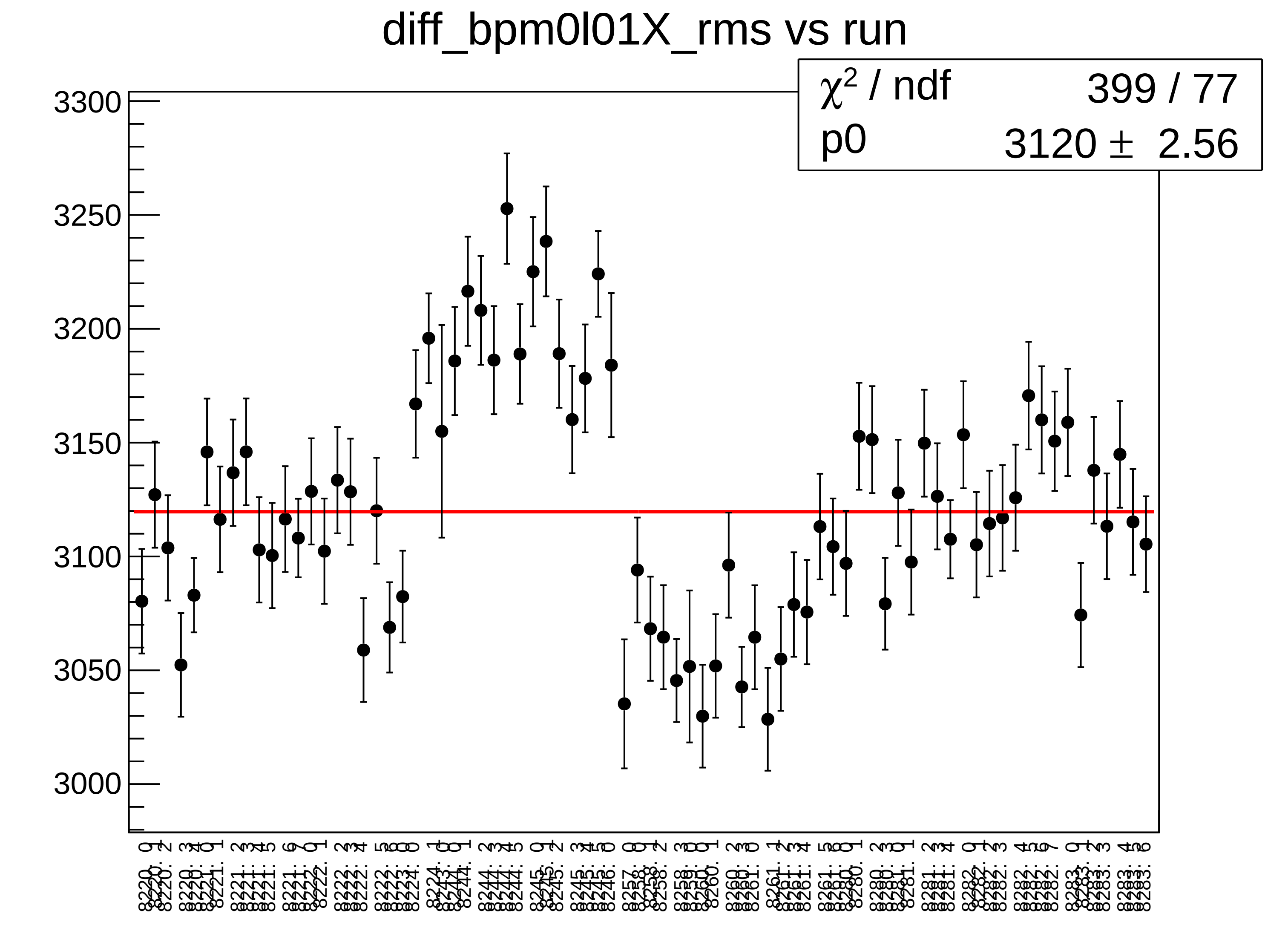

diff_bpm16Y_mean vs run
χ^2 / ndf 103.7 / 77
p0 −7.814 ± 3.898
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean 54.6
Std Dev 102.7


pull1D
Entries 78
Mean 0.01266
Std Dev 1.153

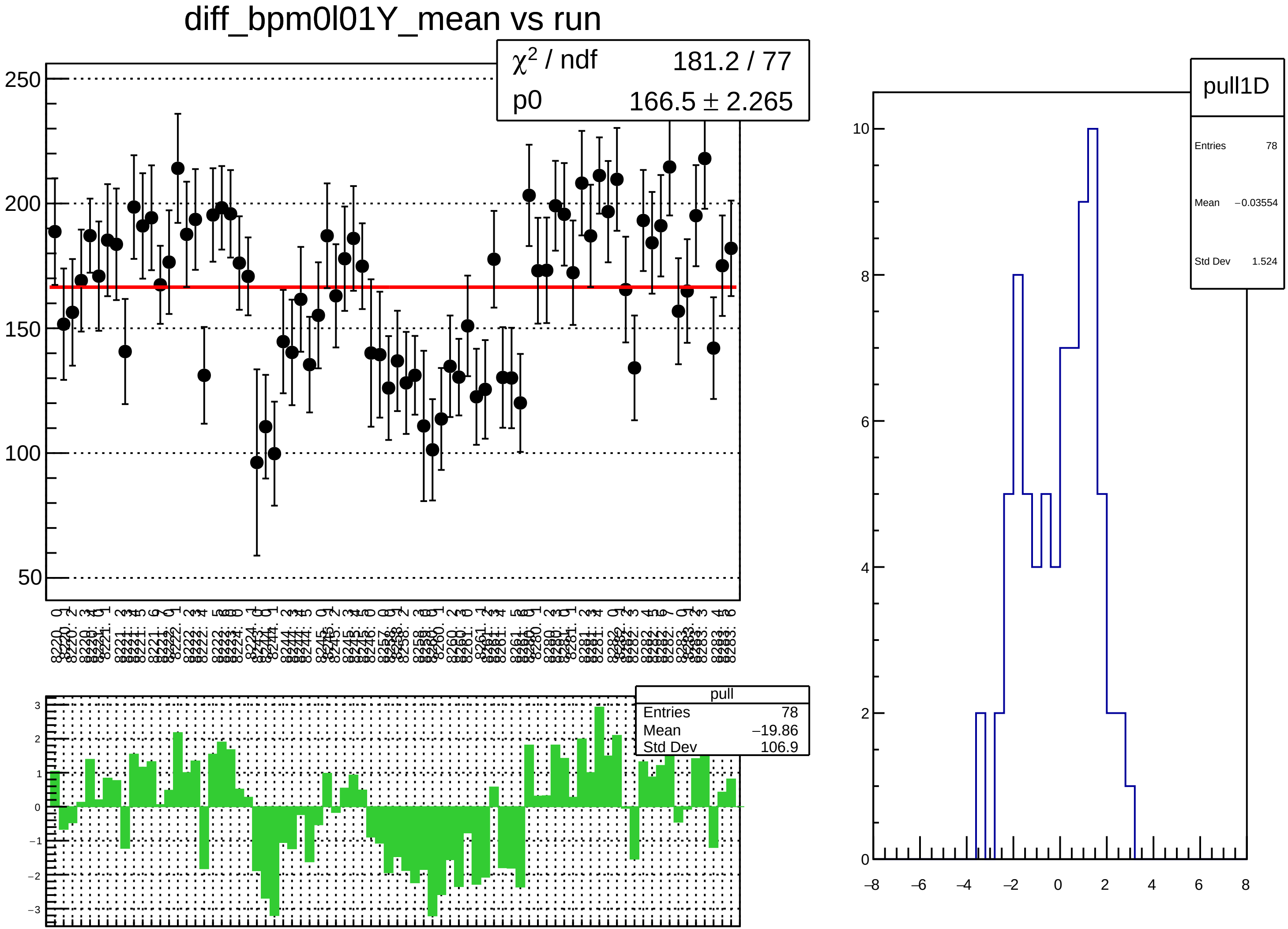

diff_bpm16Y_rms vs run
χ² / ndf 1.6e+04 / 77
p0 3341 ± 2.756
4400
4200
4000
3800
3600
3400
3200
3000
2800



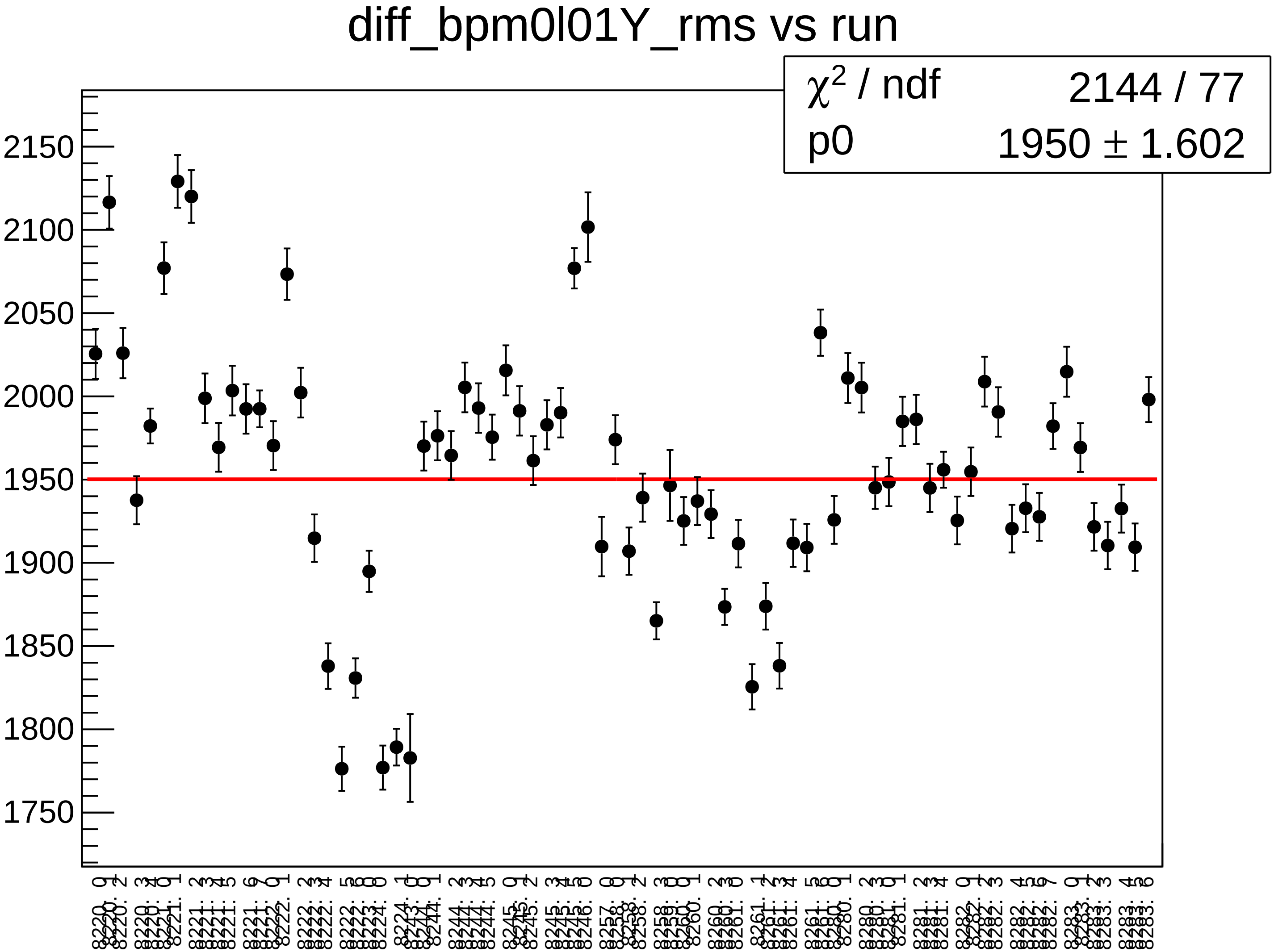
diff_bpm0l01X_mean vs run
χ2 / ndf 105.1 / 77
p0 −67.39 ± 3.621
pull
Entries 78
Mean 782.9
Std Dev 760.4
pull1D
Entries 78
Mean 0.009145
Std Dev 1.161



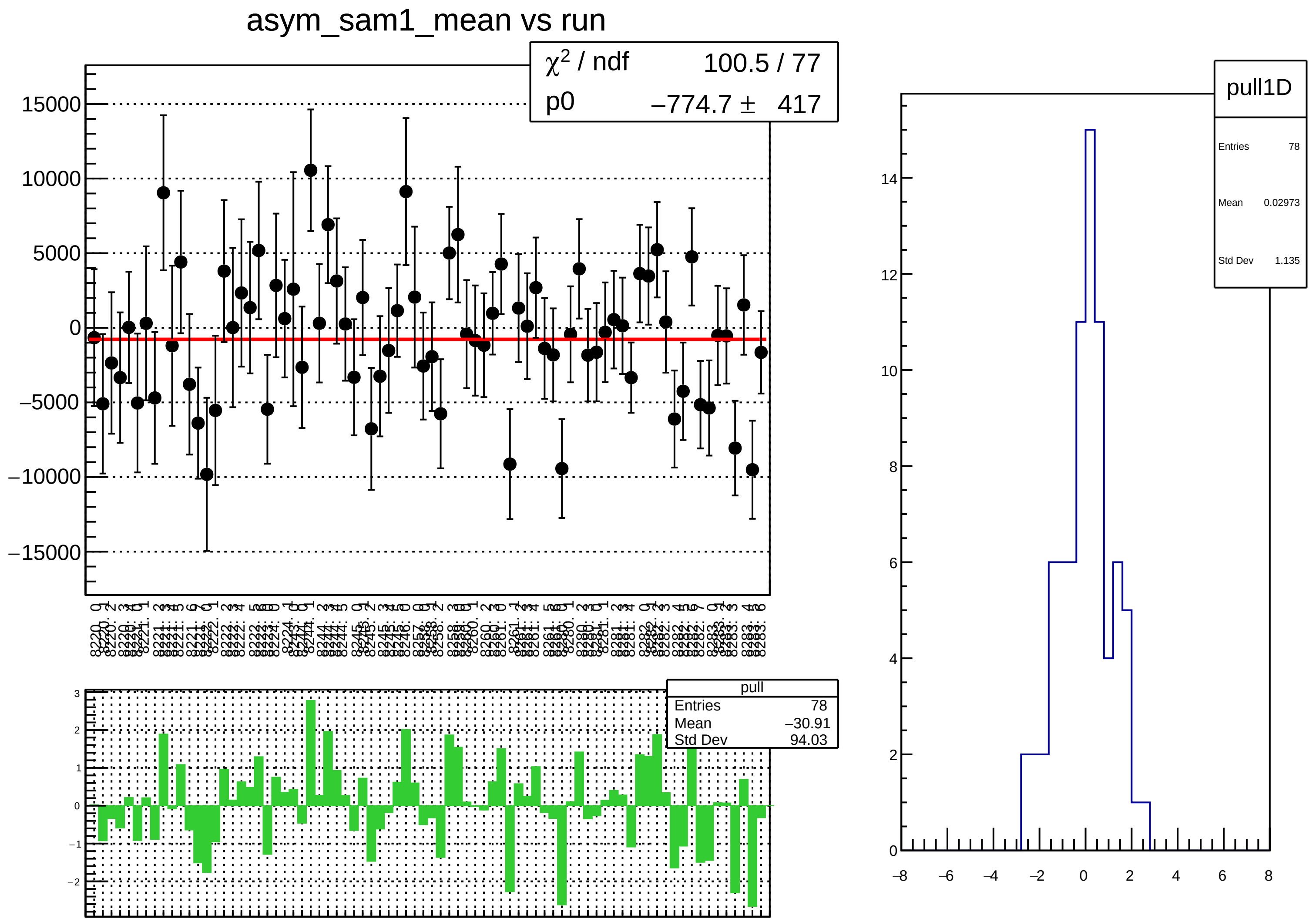
diff_bpm0l01X_rms vs run
χ^2 / ndf 399 / 77
p0 3120 ± 2.56
3300
3250
3200
3150
3100
3050
3000

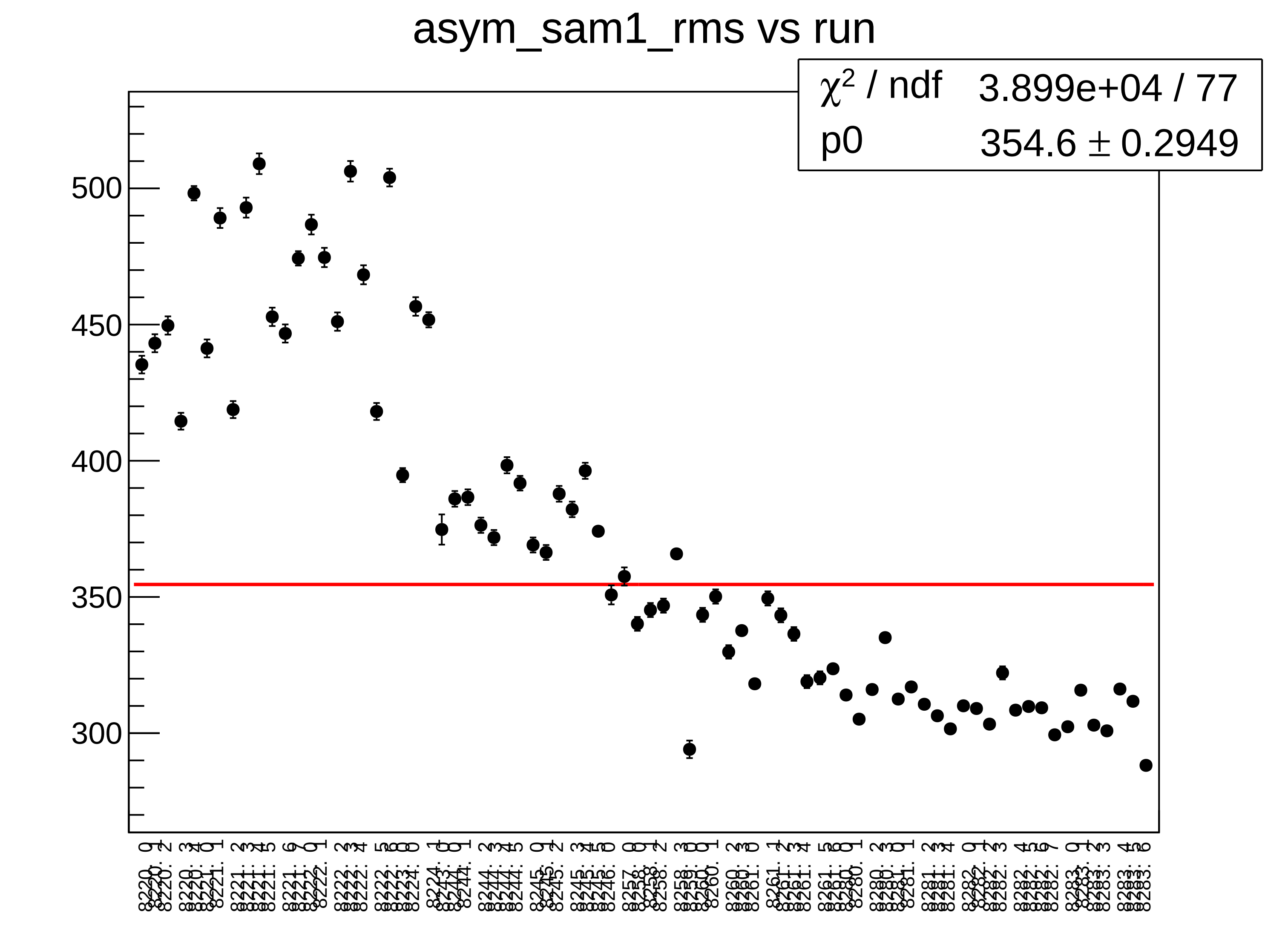


diff_bpm0l01Y_mean vs run
χ^2 / ndf 181.2 / 77
p0 166.5 ± 2.265
pull
Entries 78
Mean −19.86
Std Dev 106.9
pull1D
Entries 78
Mean −0.03554
Std Dev 1.524

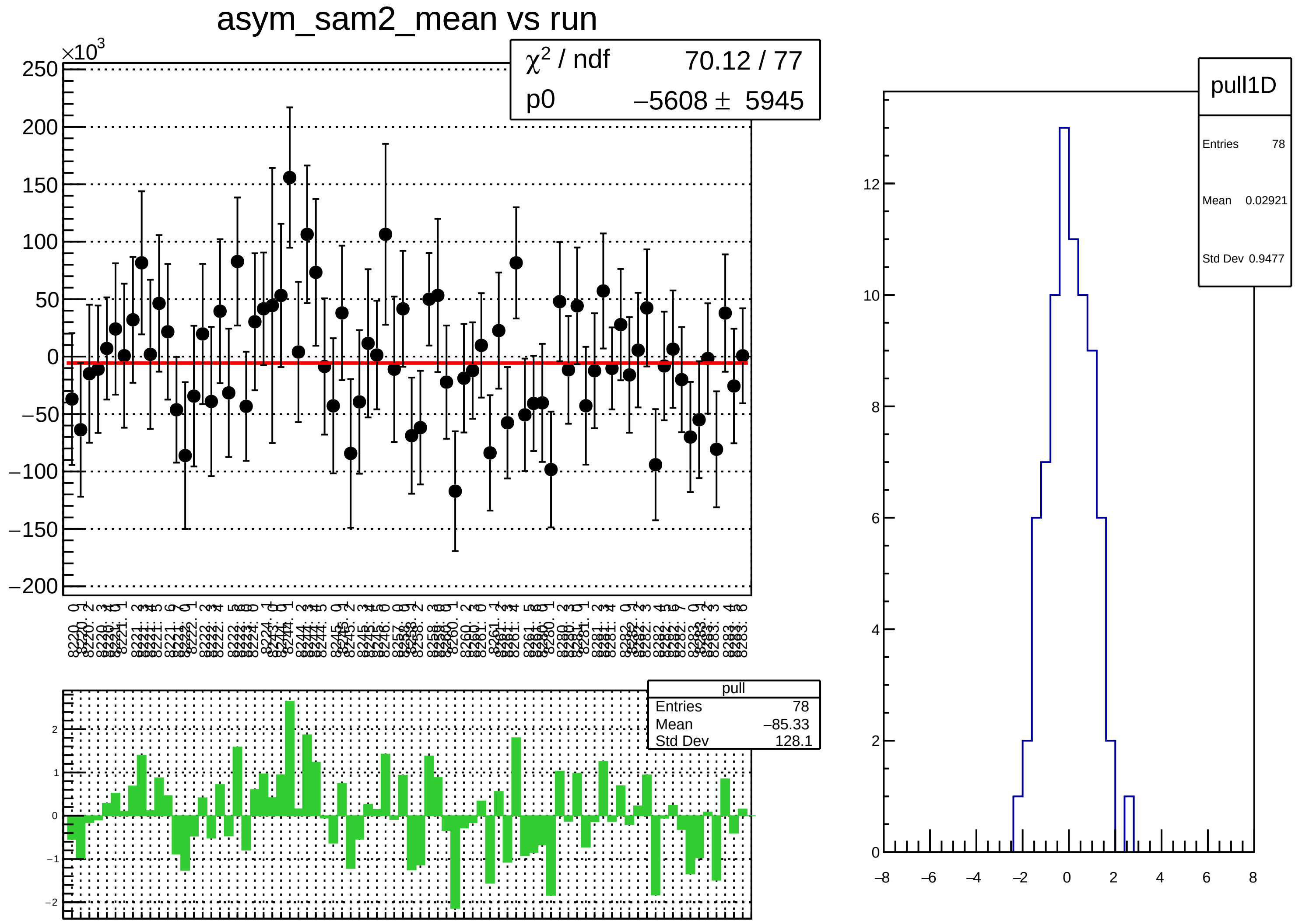


diff_bpm0l01Y_rms vs run
χ^2 / ndf 2144 / 77
p0 1950 ± 1.602
2150
2100
2050
2000
1950
1900
1850
1800
1750

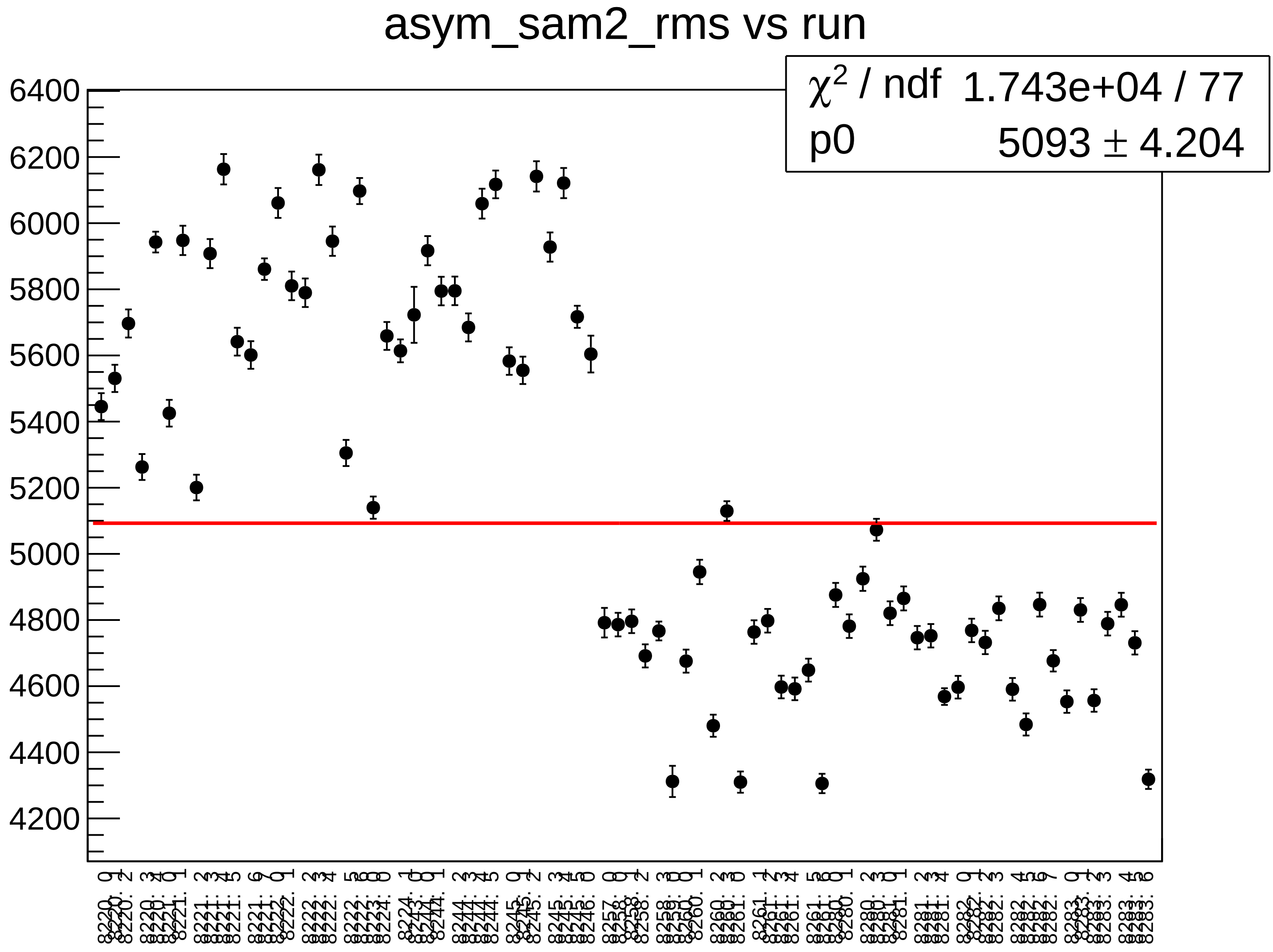

asym_sam1_mean vs run
χ2 / ndf 100.5 / 77
p0 −774.7 ± 417
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −30.91
Std Dev 94.03
pull1D
Entries 78
Mean 0.02973
Std Dev 1.135

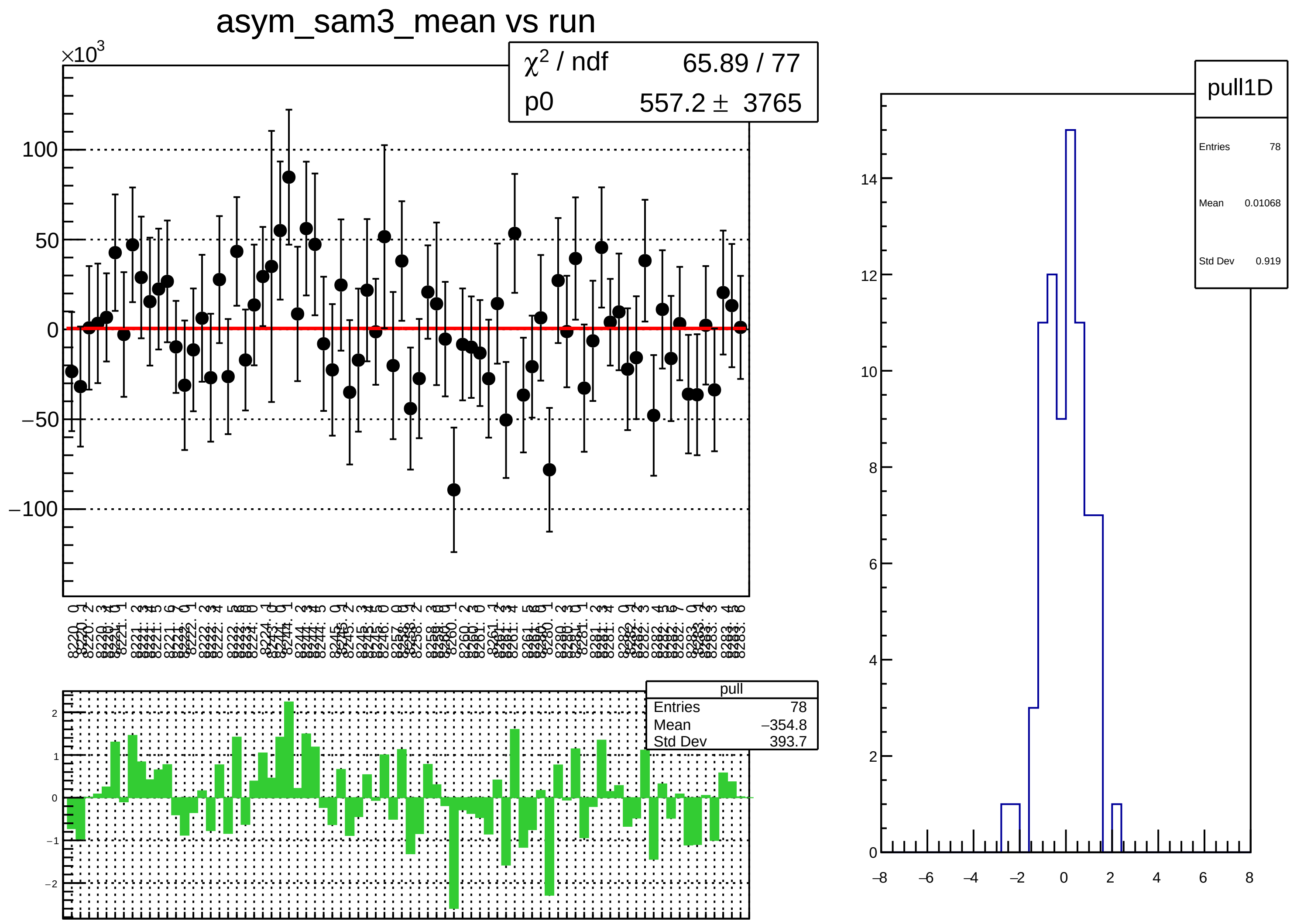


asym_sam1_rms vs run
χ^2 / ndf 3.899e+04 / 77
p0 354.6 ± 0.2949
500
450
400
350
300

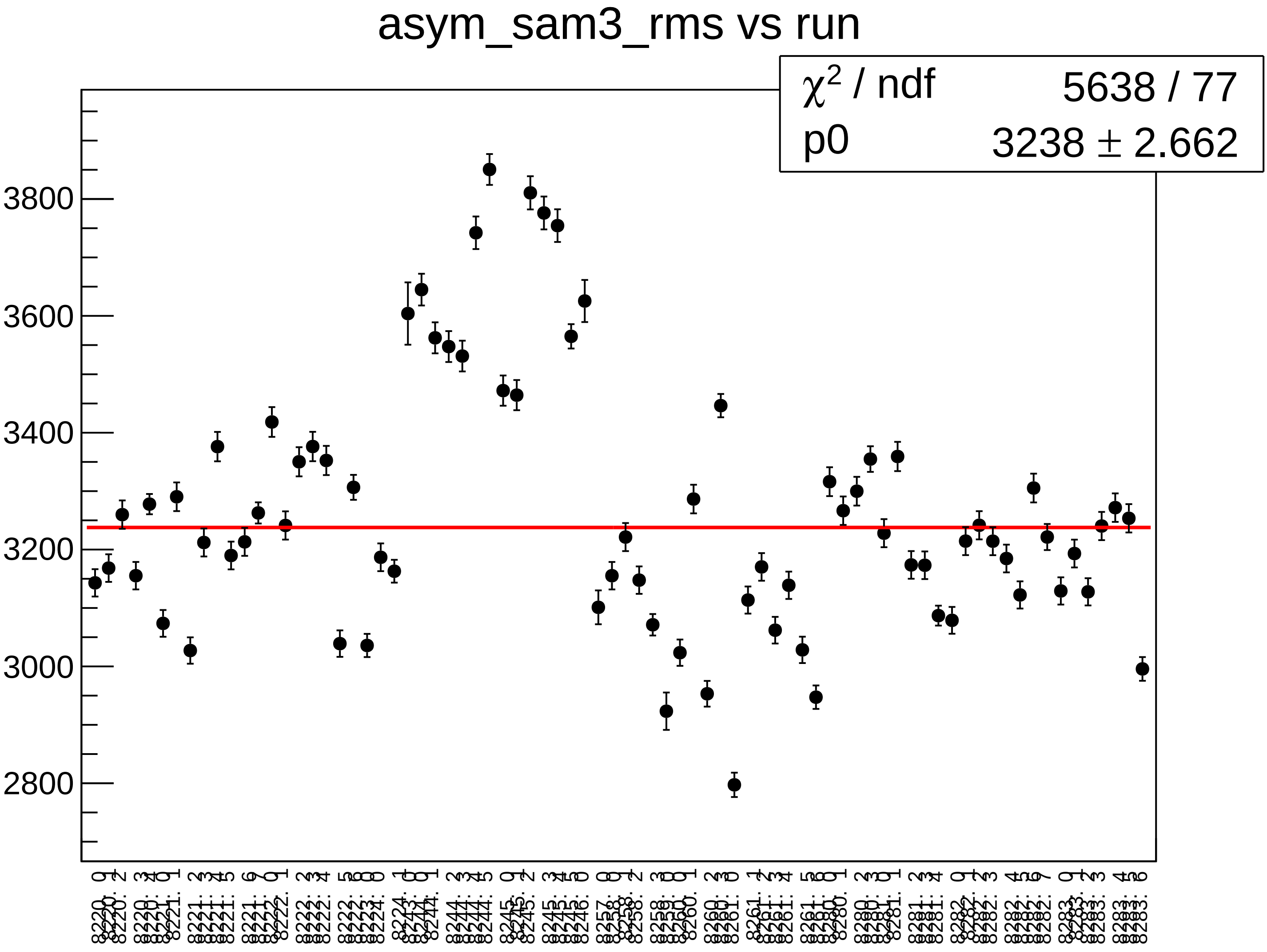


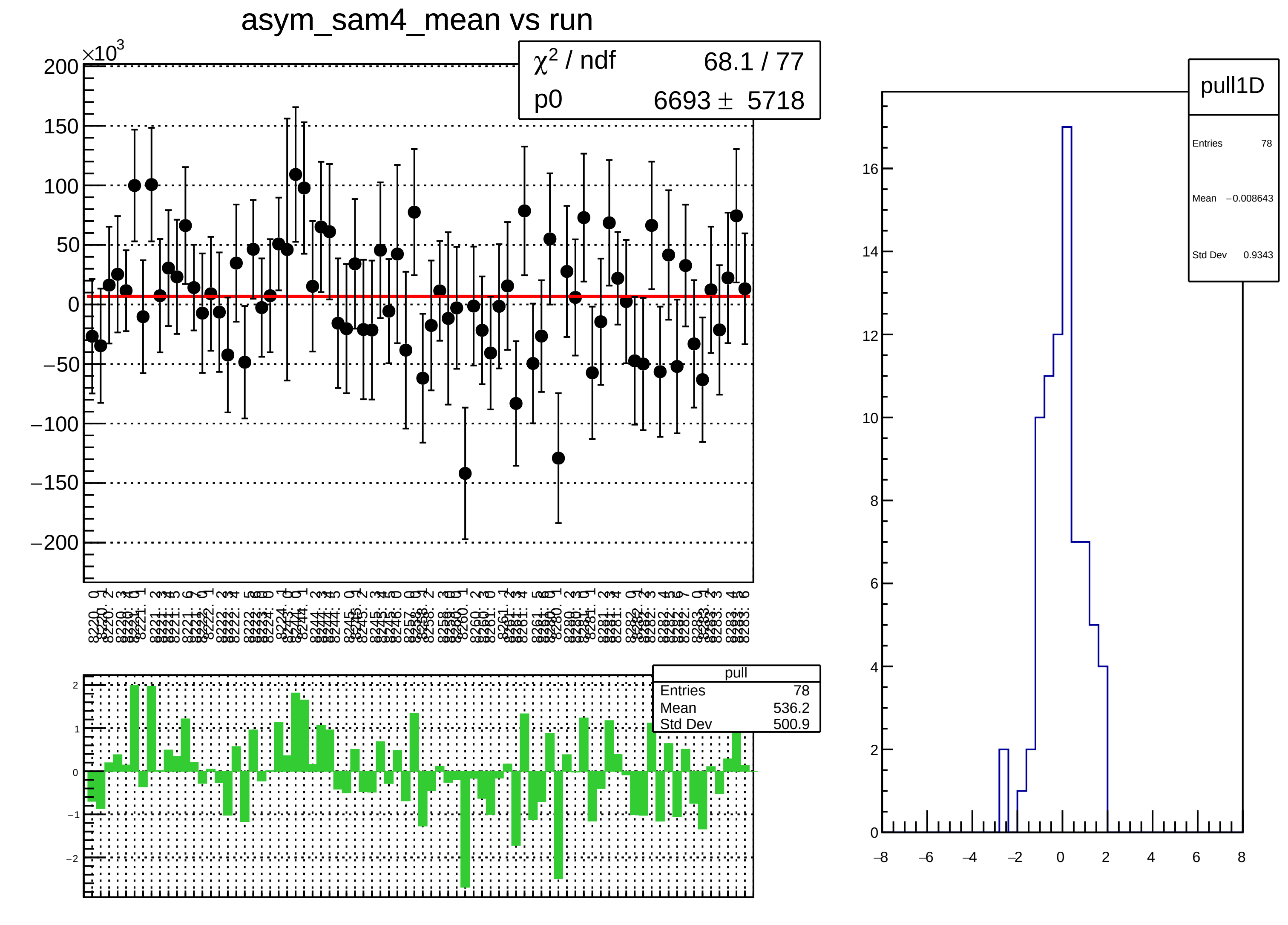
asym_sam2_mean vs run
×10^3
χ^2 / ndf 70.12 / 77
p0 −5608 ± 5945
250
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 78
Mean −85.33
Std Dev 128.1
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.02921
Std Dev 0.9477
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam2_rms vs run
χ^2 / ndf 1.743e+04 / 77
p0 5093 ± 4.204
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

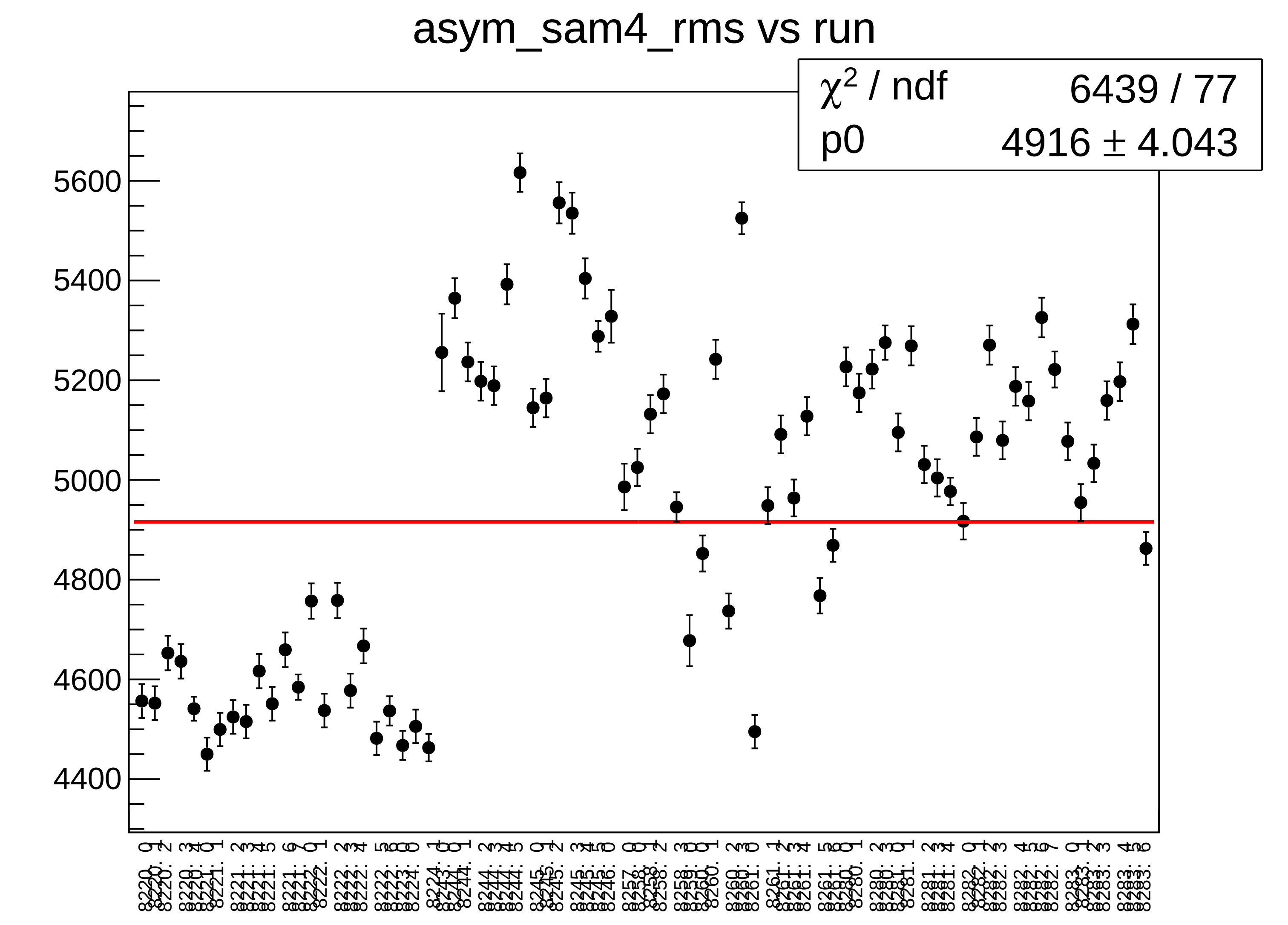


asym_sam3_mean vs run
×10^3
χ^2 / ndf 65.89 / 77
p0 557.2 ± 3765
100
50
0
−50
−100
pull
Entries 78
Mean −354.8
Std Dev 393.7
pull1D
Entries 78
Mean 0.01068
Std Dev 0.919

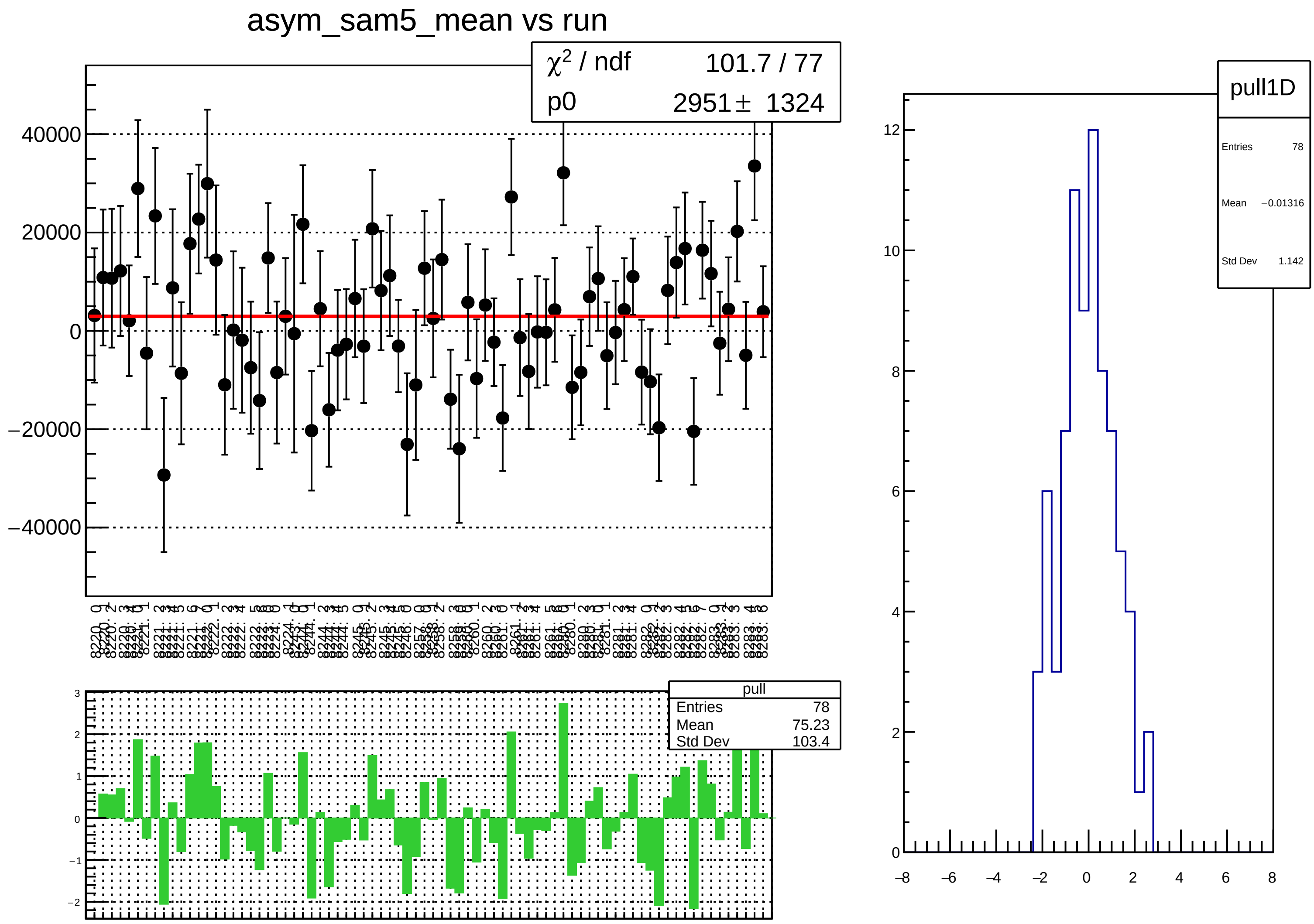

asym_sam3_rms vs run
χ^2 / ndf 5638 / 77
p0 3238 ± 2.662
3800
3600
3400
3200
3000
2800

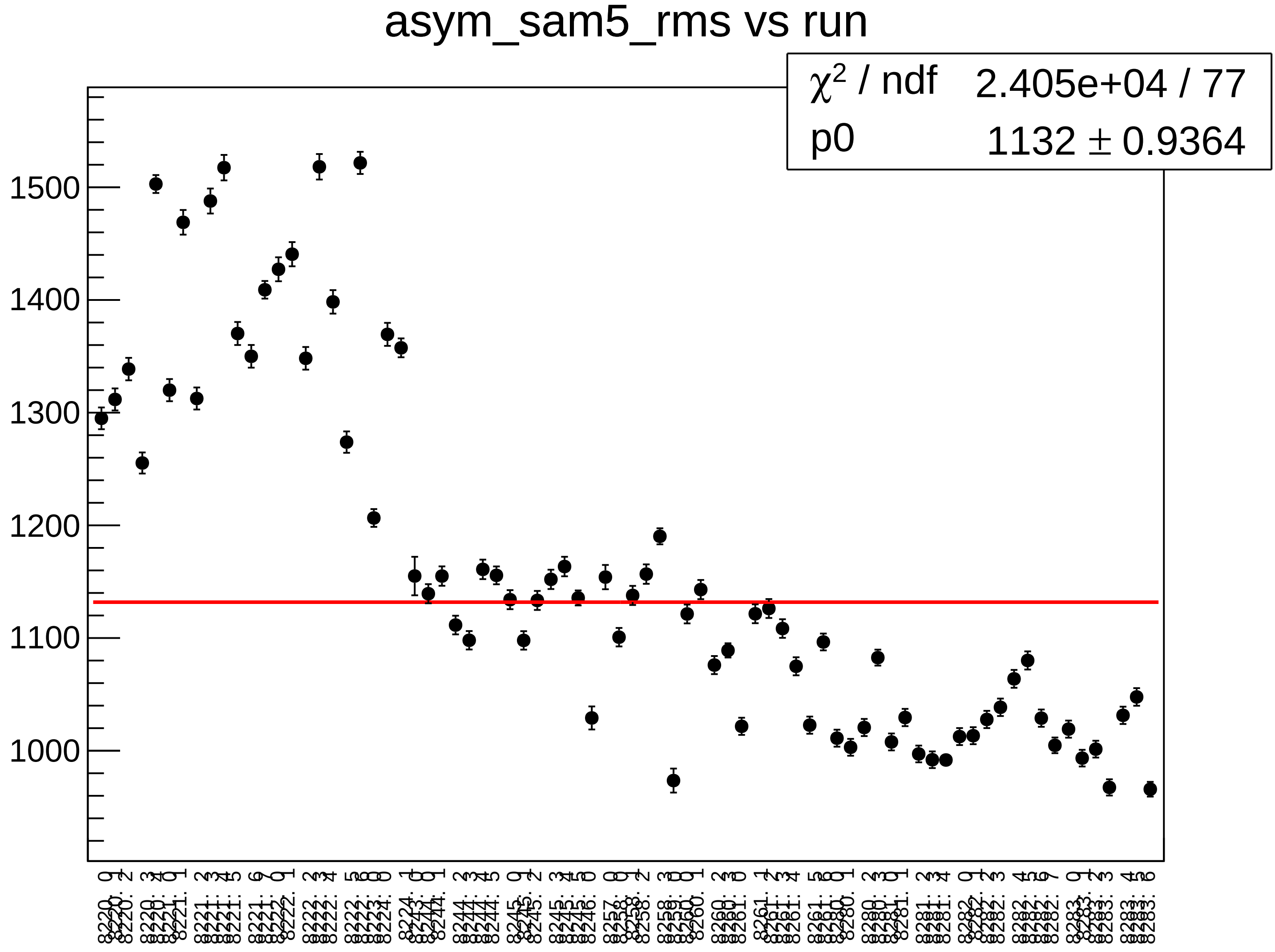


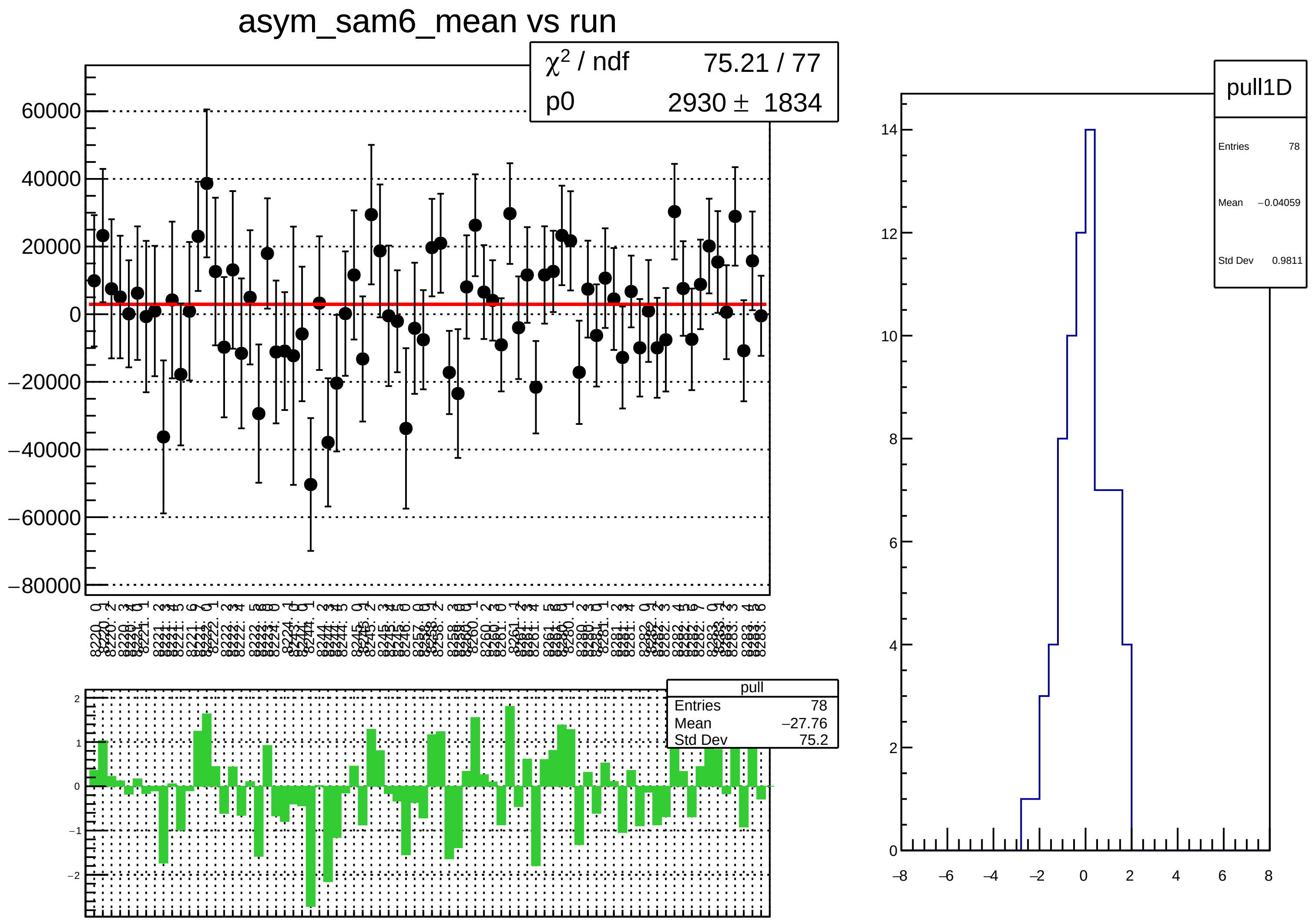
asym_sam4_mean vs run
×10^3
χ^2 / ndf 68.1 / 77
p0 6693 ± 5718
pull
Entries 78
Mean 536.2
Std Dev 500.9
pull1D
Entries 78
Mean −0.008643
Std Dev 0.9343



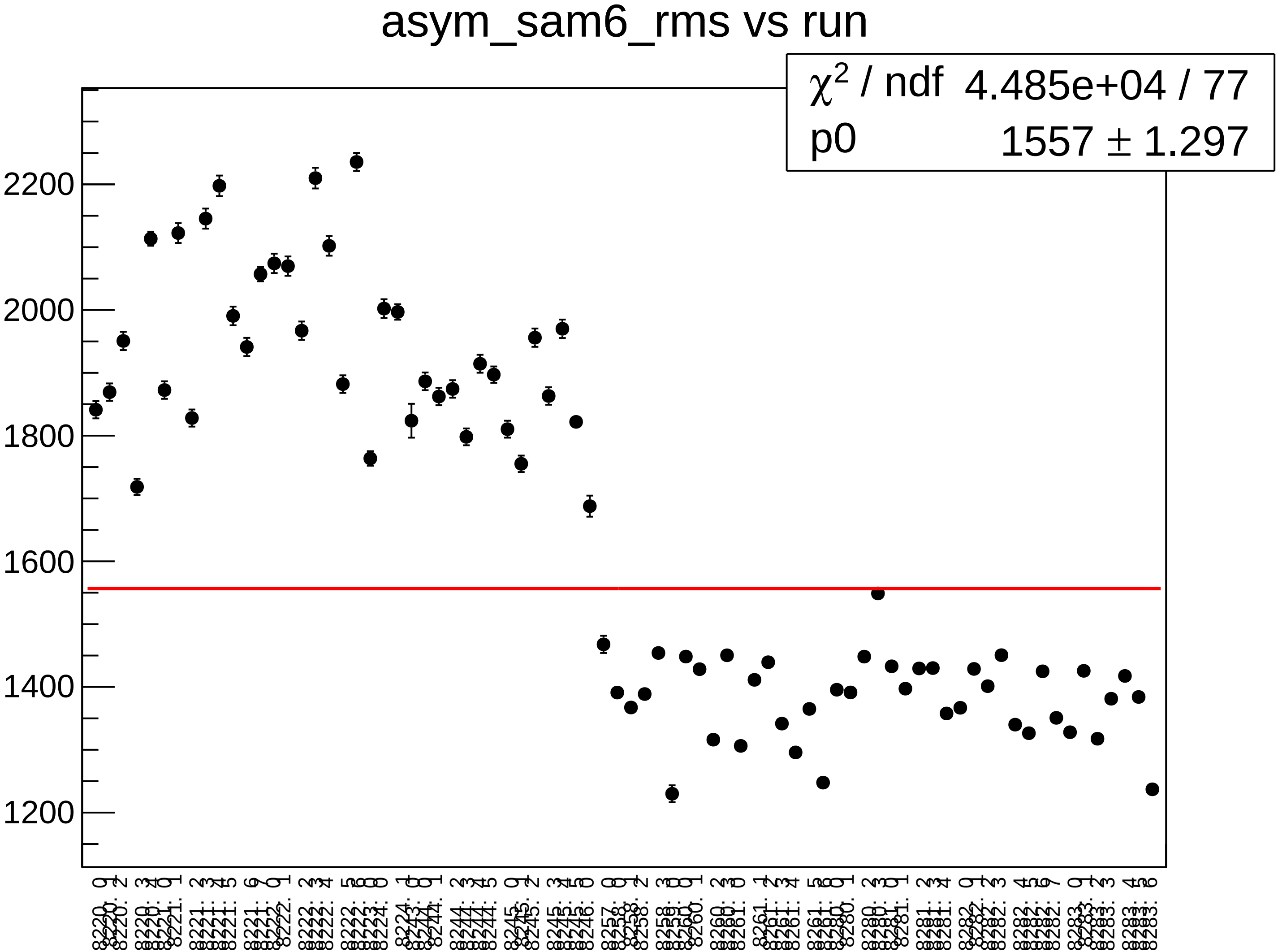
asym_sam4_rms vs run
χ^2 / ndf 6439 / 77
p0 4916 ± 4.043
5600
5400
5200
5000
4800
4600
4400


asym_sam5_mean vs run
χ^2 / ndf 101.7 / 77
p0 2951 ± 1324
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 75.23
Std Dev 103.4
3
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.01316
Std Dev 1.142
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

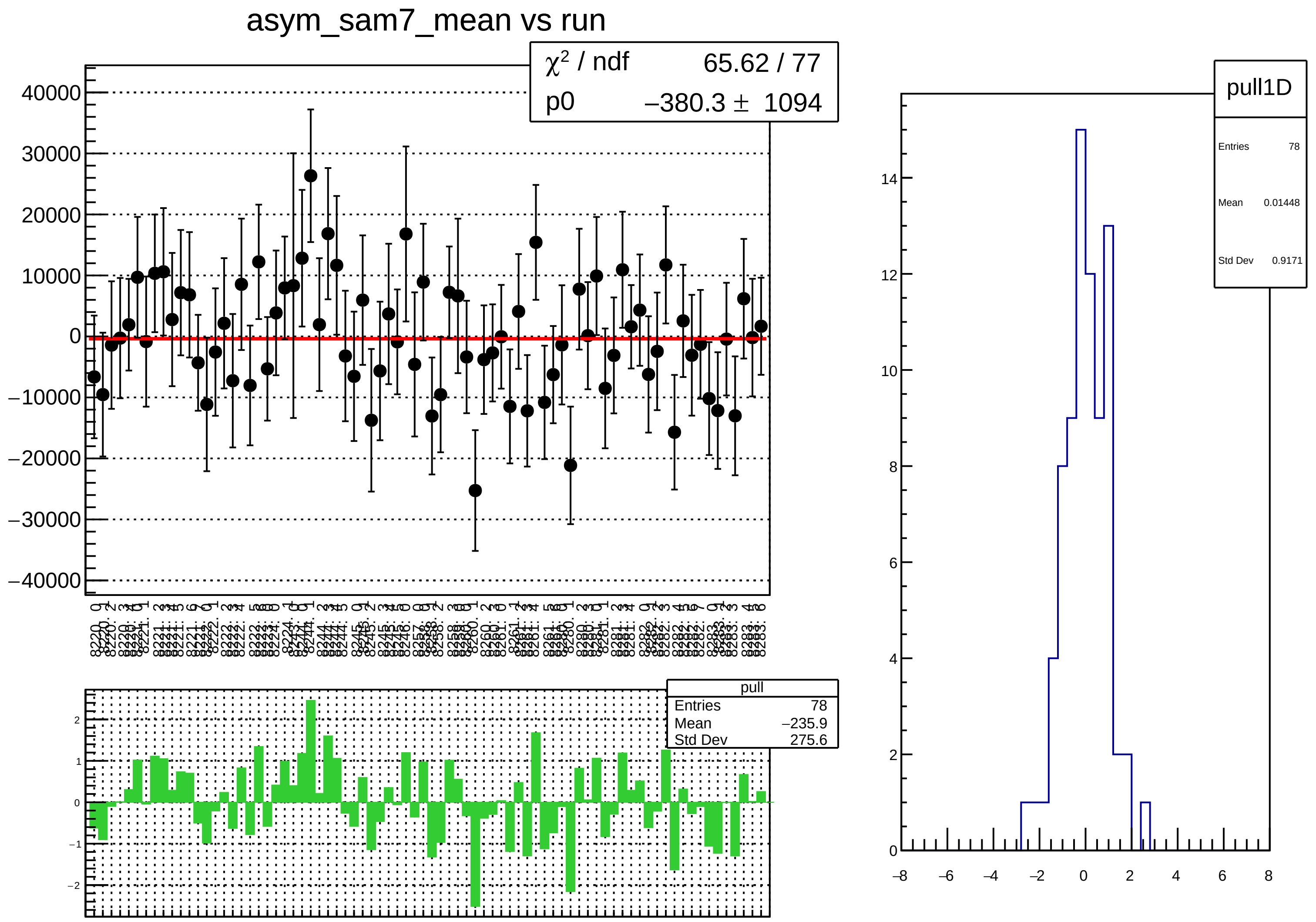

asym_sam5_rms vs run
χ^2 / ndf 2.405e+04 / 77
p0 1132 ± 0.9364
1500
1400
1300
1200
1100
1000

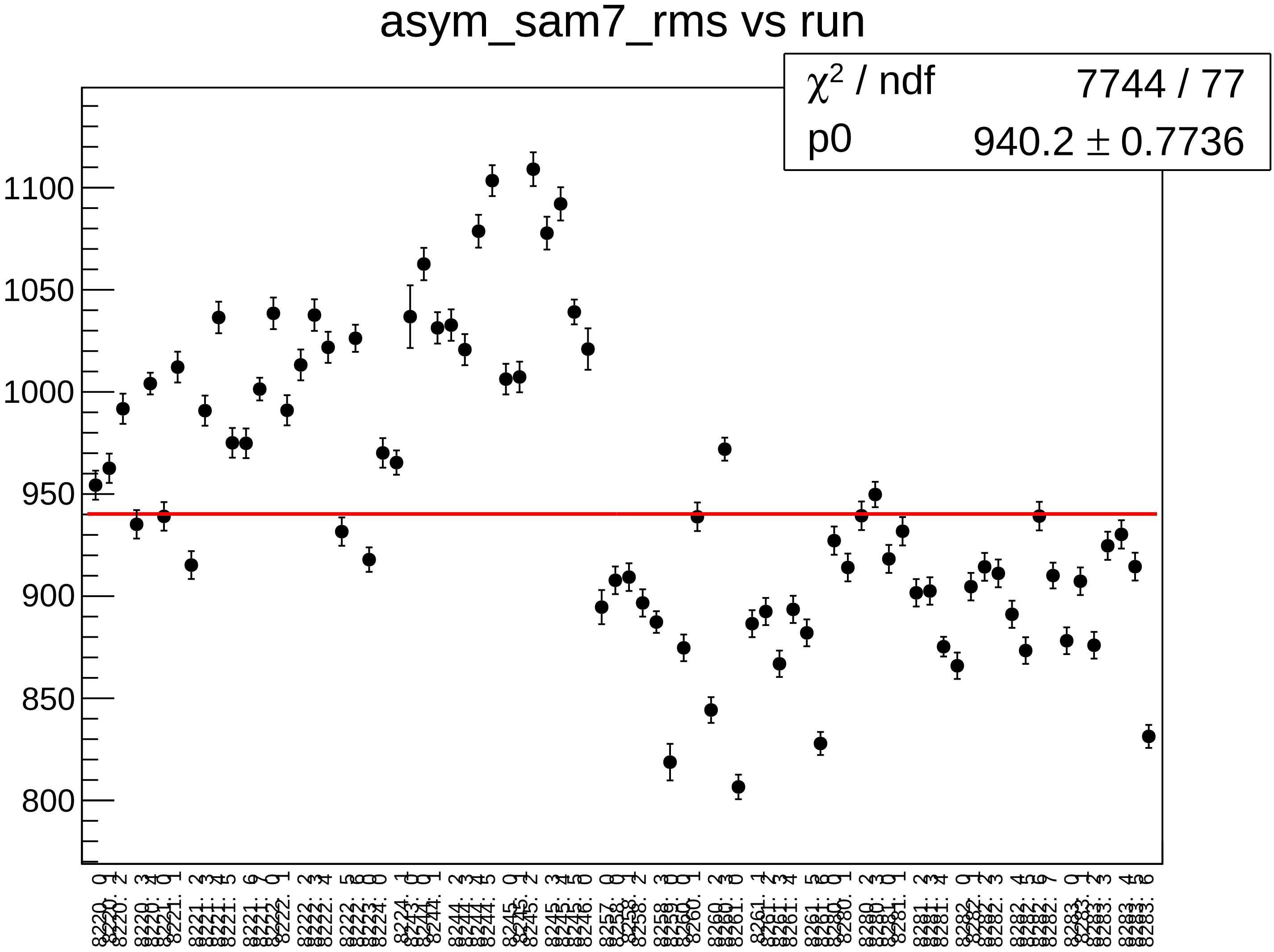


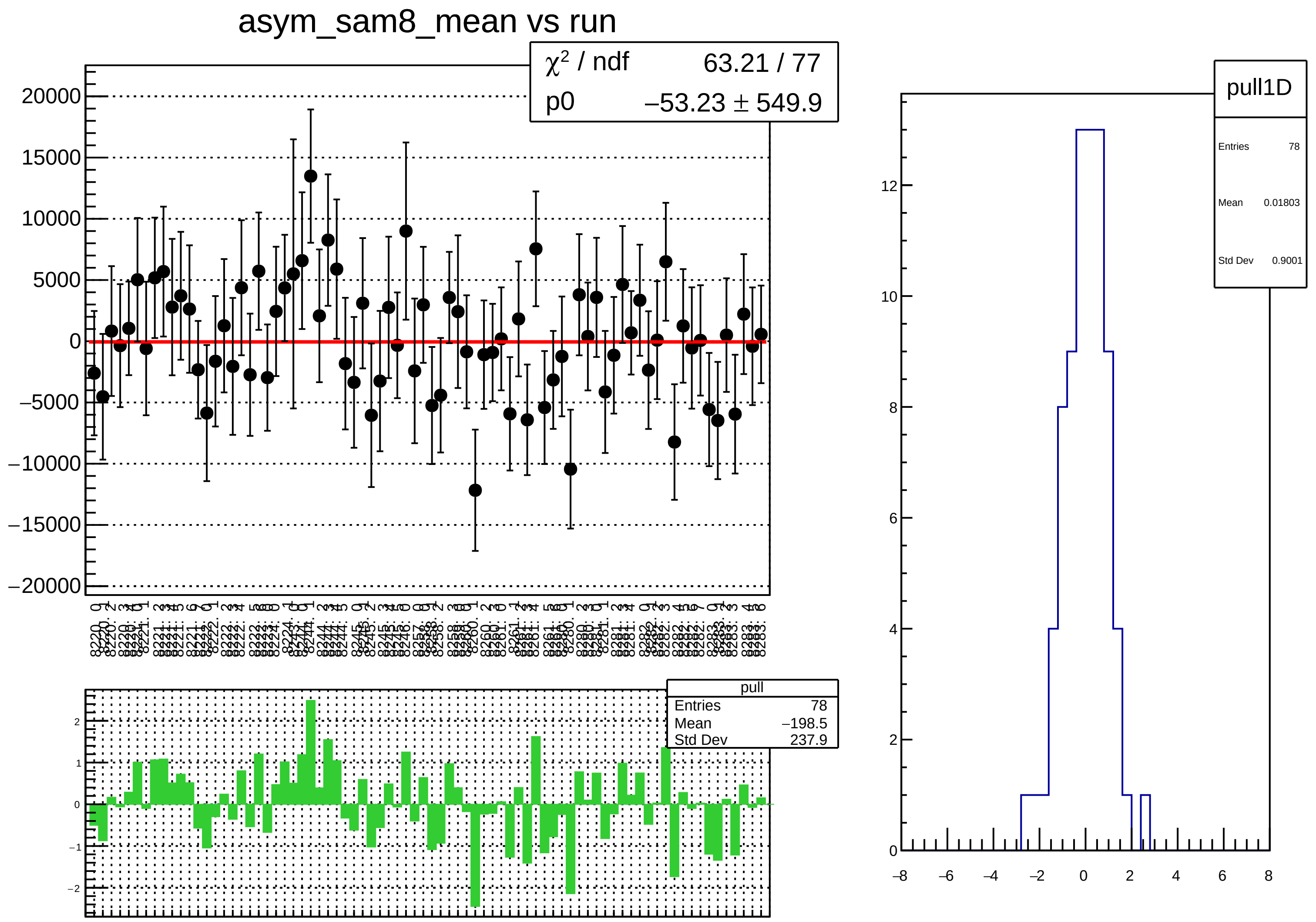
asym_sam6_mean vs run
χ^2 / ndf 75.21 / 77
p0 2930 ± 1834
pull
Entries 78
Mean −27.76
Std Dev 75.2
pull1D
Entries 78
Mean −0.04059
Std Dev 0.9811



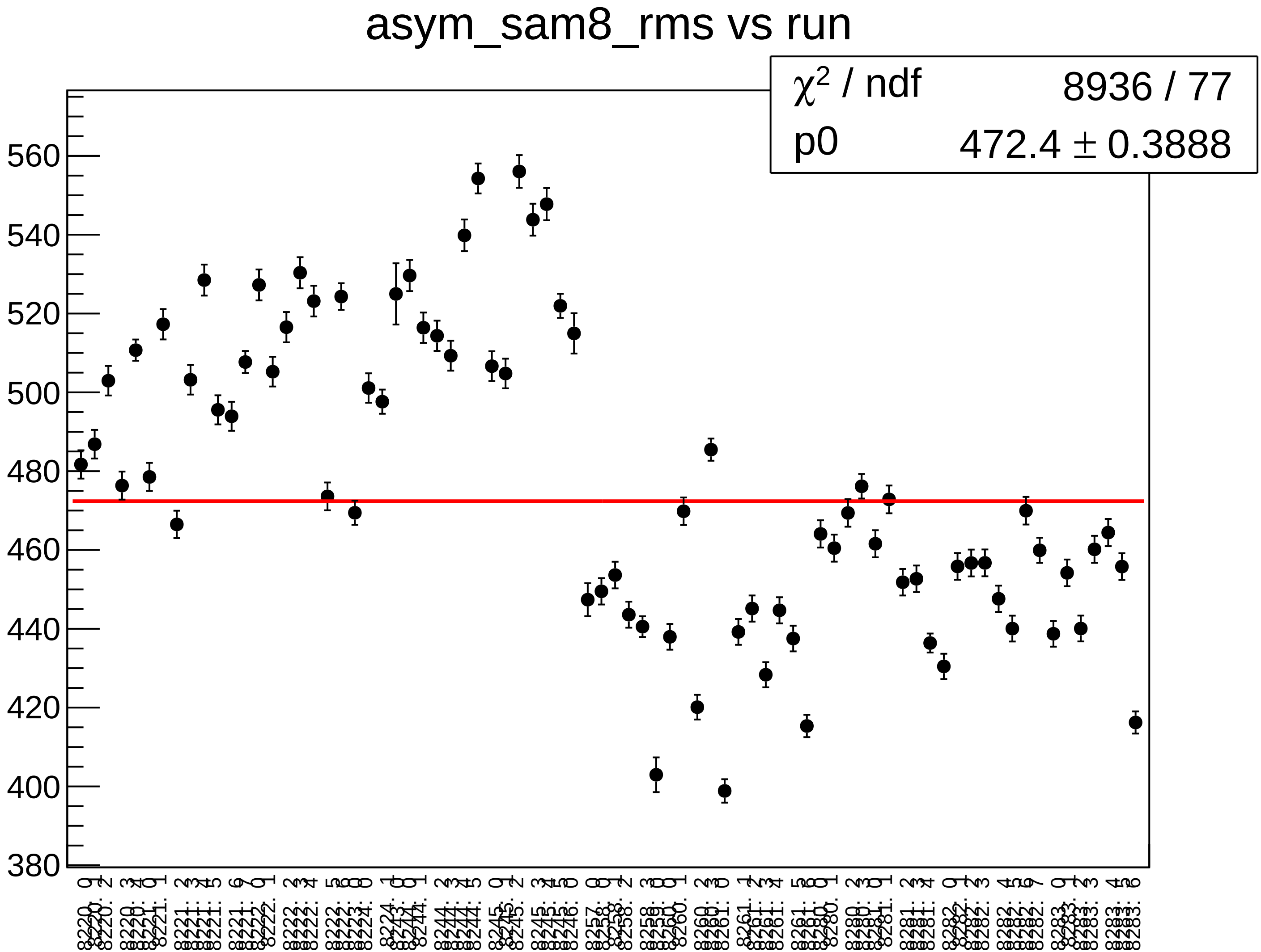
asym_sam6_rms vs run
χ^2 / ndf 4.485e+04 / 77
p0 1557 ± 1.297
2200
2000
1800
1600
1400
1200

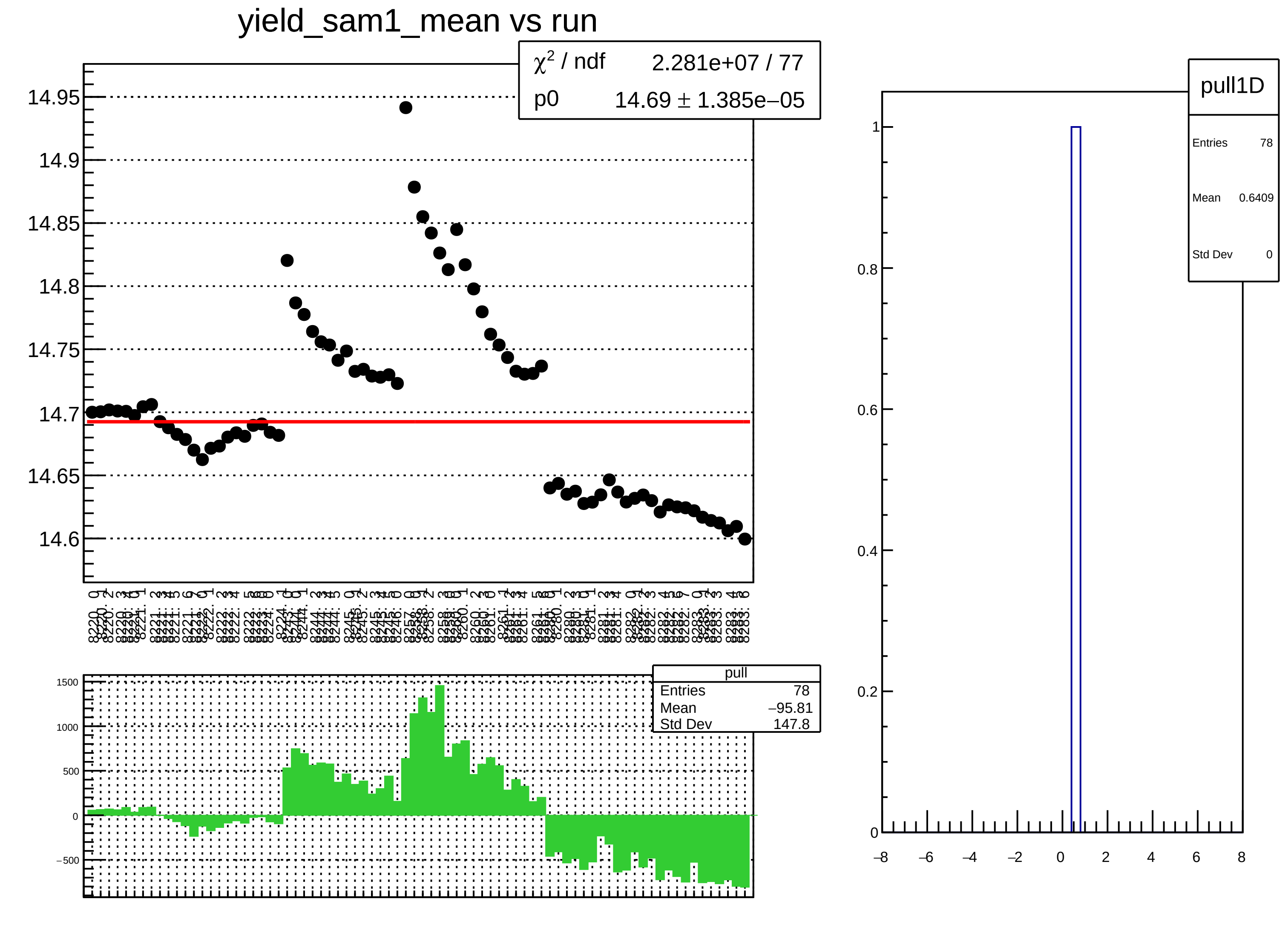

asym_sam7_mean vs run
χ^2 / ndf 65.62 / 77
p0 −380.3 ± 1094
pull
Entries 78
Mean −235.9
Std Dev 275.6
pull1D
Entries 78
Mean 0.01448
Std Dev 0.9171

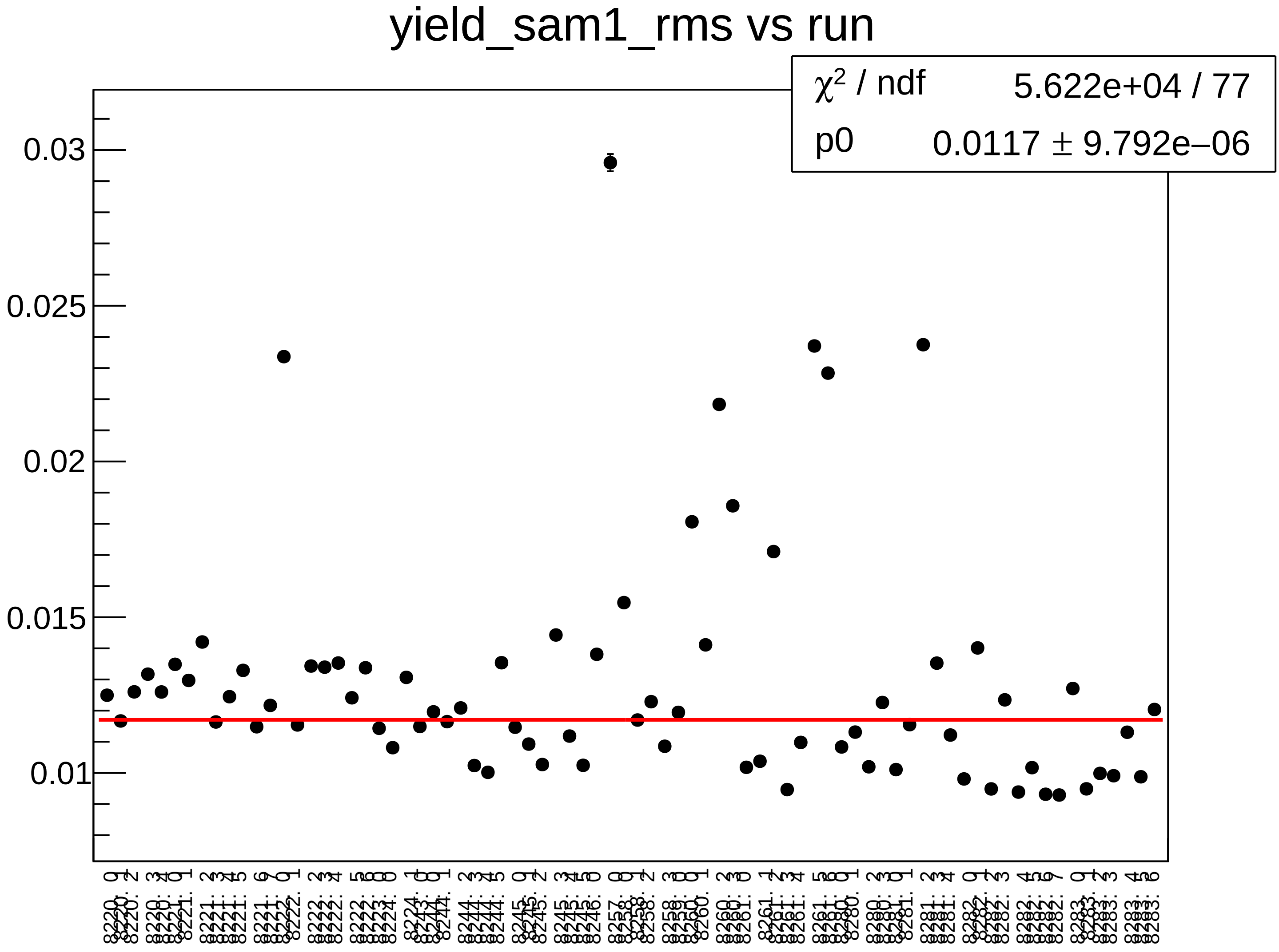

asym_sam7_rms vs run
χ^2 / ndf 7744 / 77
p0 940.2 ± 0.7736
1100
1050
1000
950
900
850
800



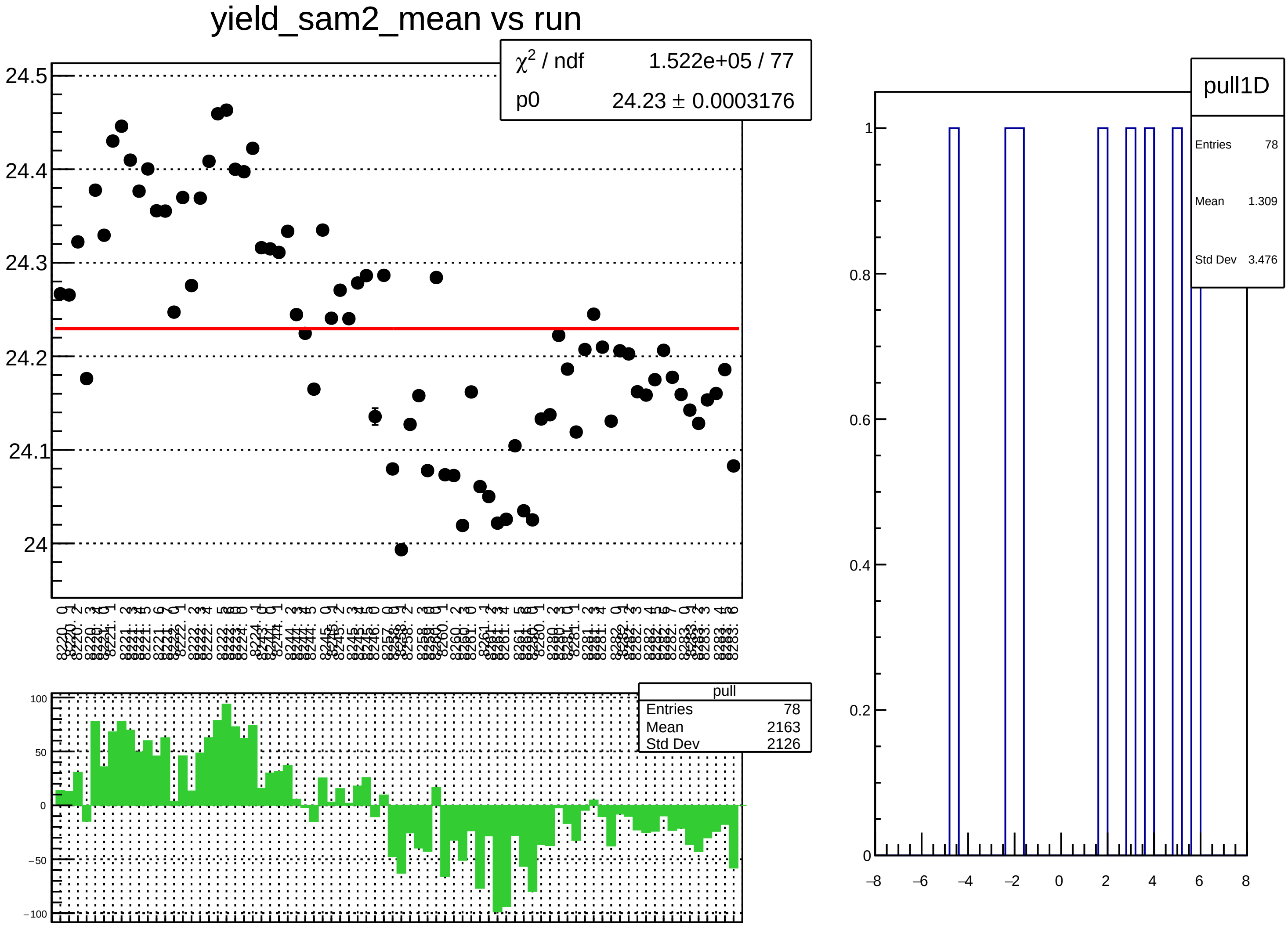
asym_sam8_mean vs run
χ^2 / ndf 63.21 / 77
p0 −53.23 ± 549.9
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 78
Mean −198.5
Std Dev 237.9
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01803
Std Dev 0.9001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_rms vs run
χ2 / ndf 8936 / 77
p0 472.4 ± 0.3888
560
540
520
500
480
460
440
420
400
380

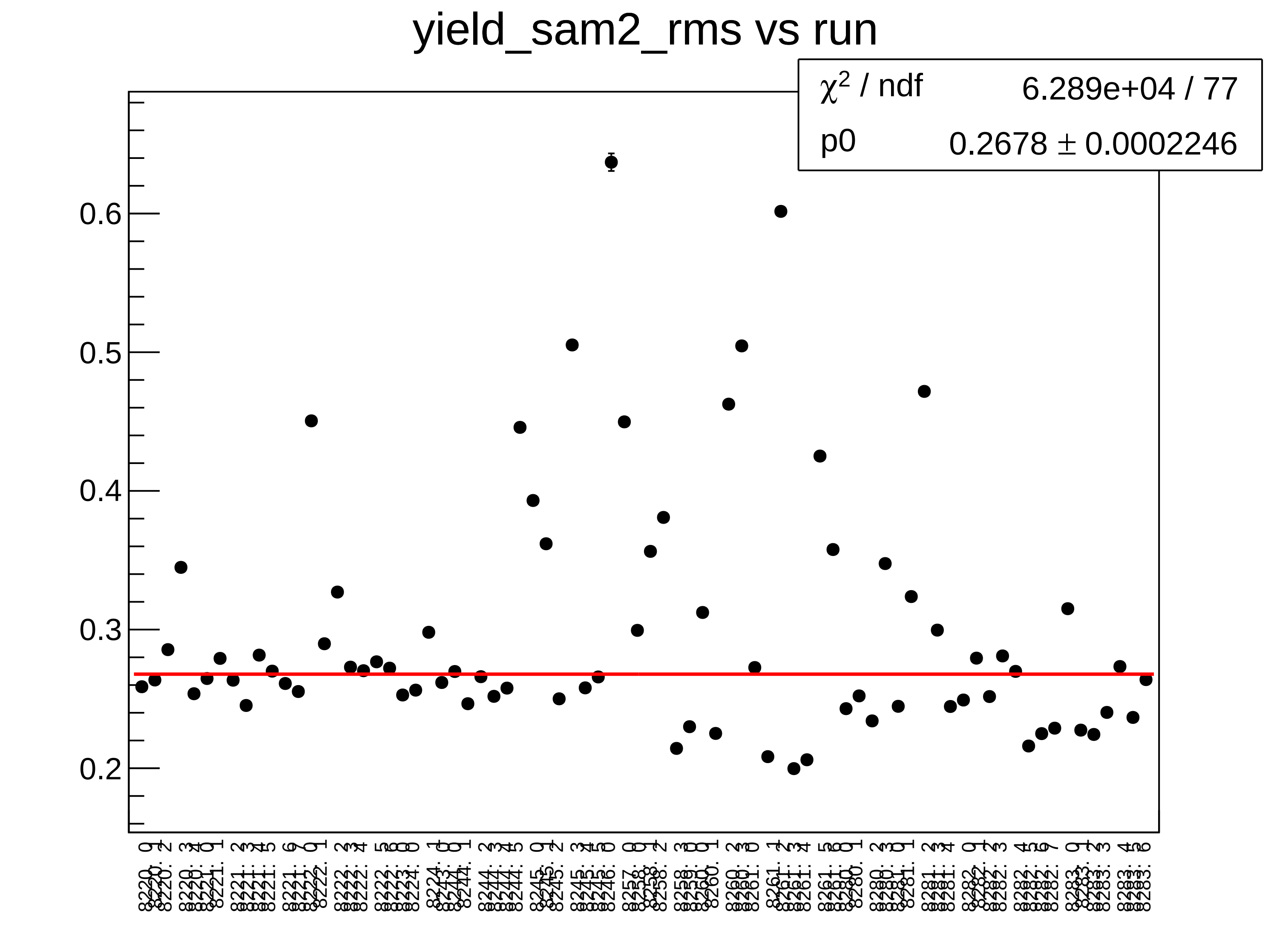

yield_sam1_mean vs run
χ2 / ndf 2.281e+07 / 77
p0 14.69 ± 1.385e−05
14.95
14.9
14.85
14.8
14.75
14.7
14.65
14.6
pull
Entries 78
Mean −95.81
Std Dev 147.8
1500
1000
500
0
−500
pull1D
Entries 78
Mean 0.6409
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8



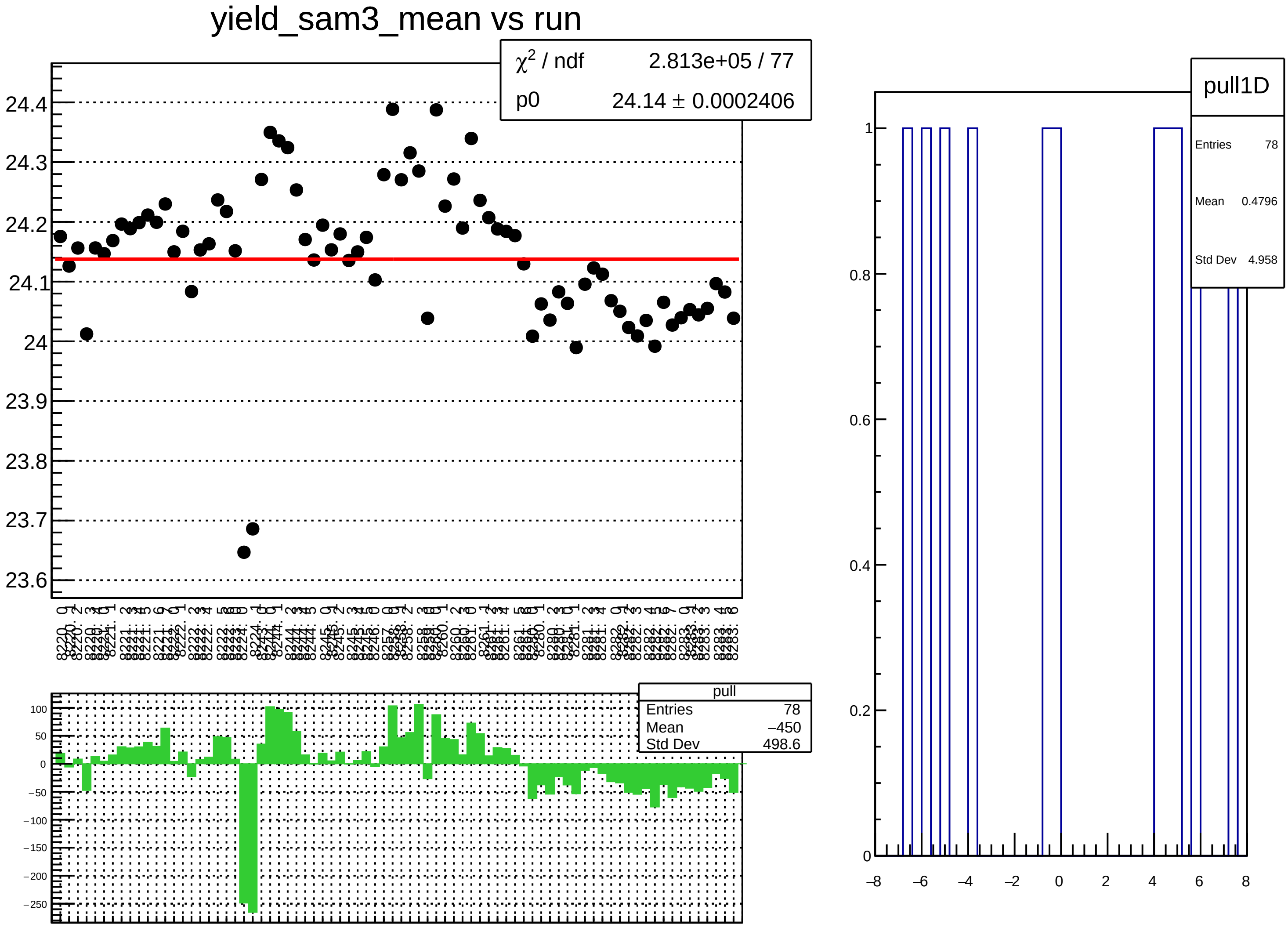
yield_sam1_rms vs run
χ^2 / ndf 5.622e+04 / 77
p0 0.0117 ± 9.792e−06
0.03
0.025
0.02
0.015
0.01



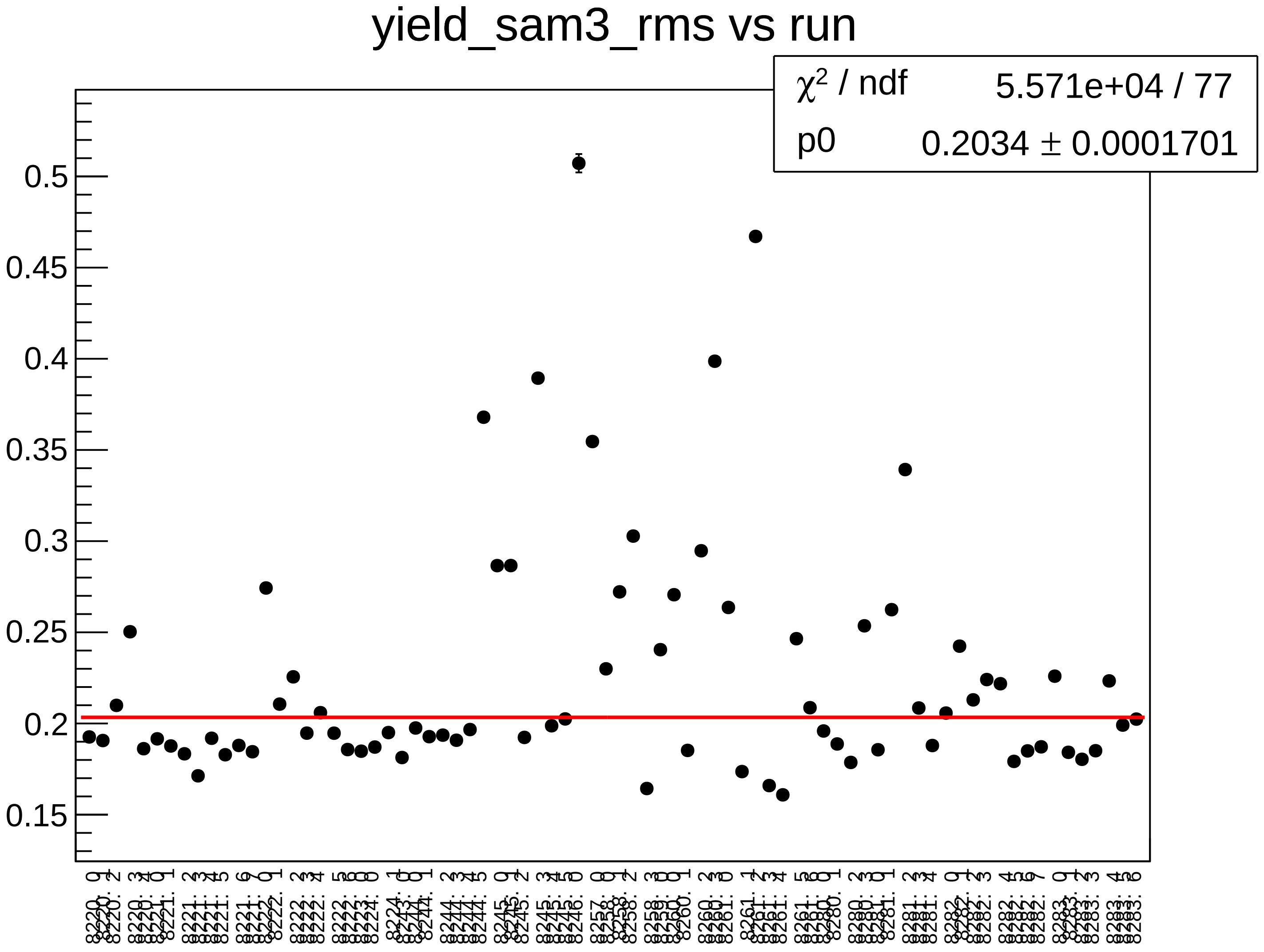
yield_sam2_mean vs run
χ^2 / ndf 1.522e+05 / 77
p0 24.23 ± 0.0003176
24.5
24.4
24.3
24.2
24.1
24
pull
Entries 78
Mean 2163
Std Dev 2126
100
50
0
−50
−100
pull1D
Entries 78
Mean 1.309
Std Dev 3.476
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

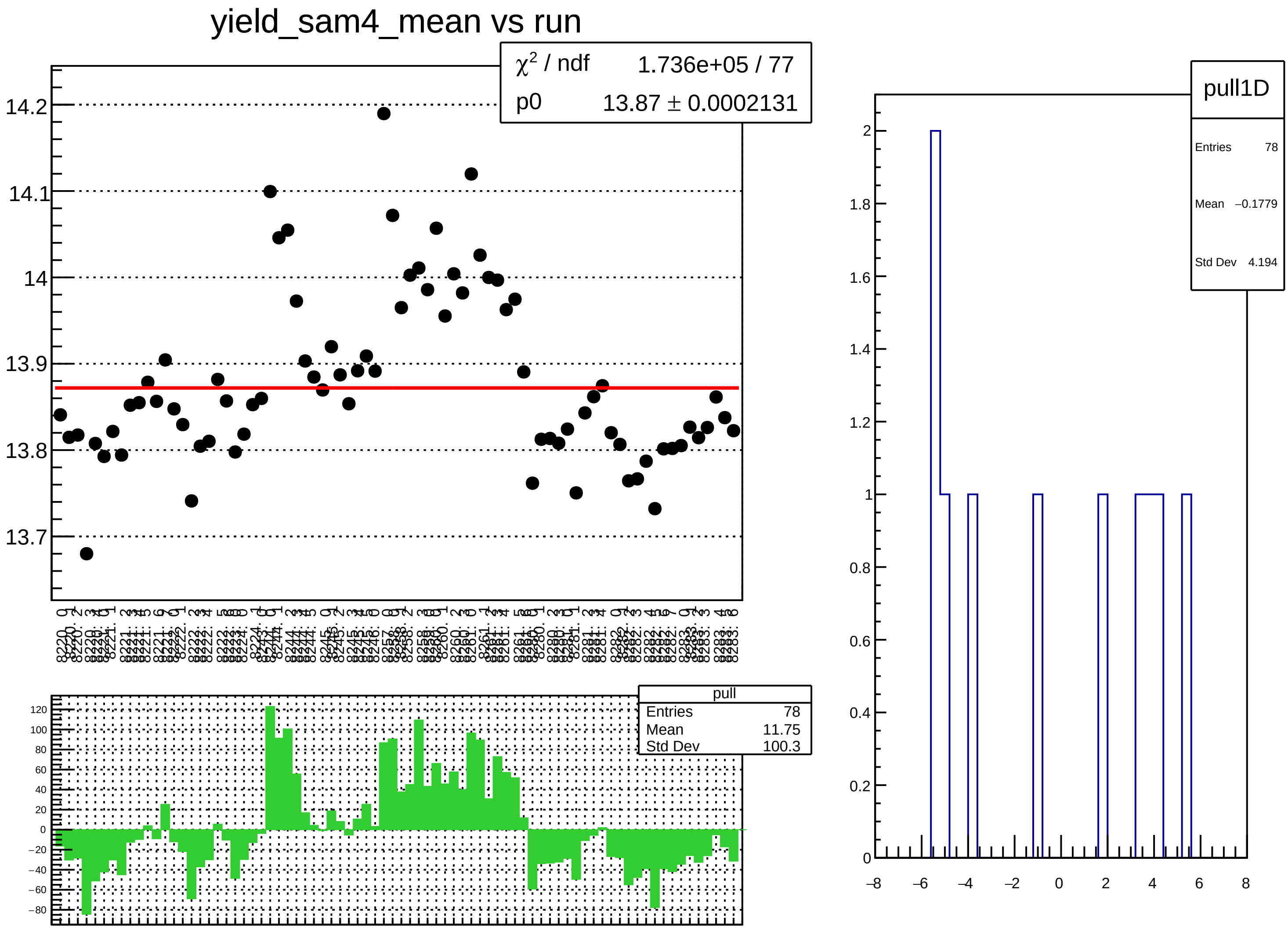


yield_sam2_rms vs run
χ^2 / ndf 6.289e+04 / 77
p0 0.2678 ± 0.0002246
0.2
0.3
0.4
0.5
0.6

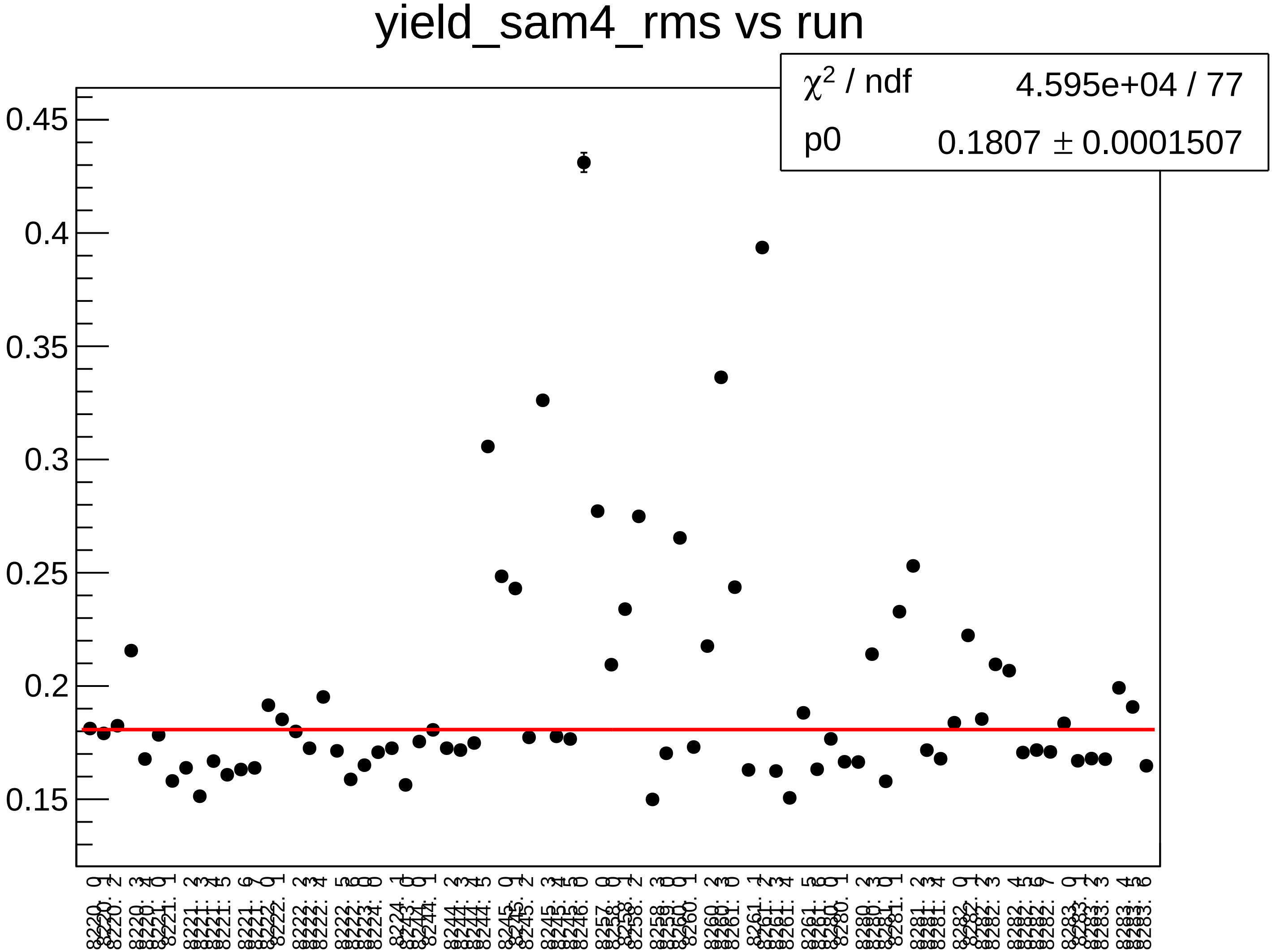


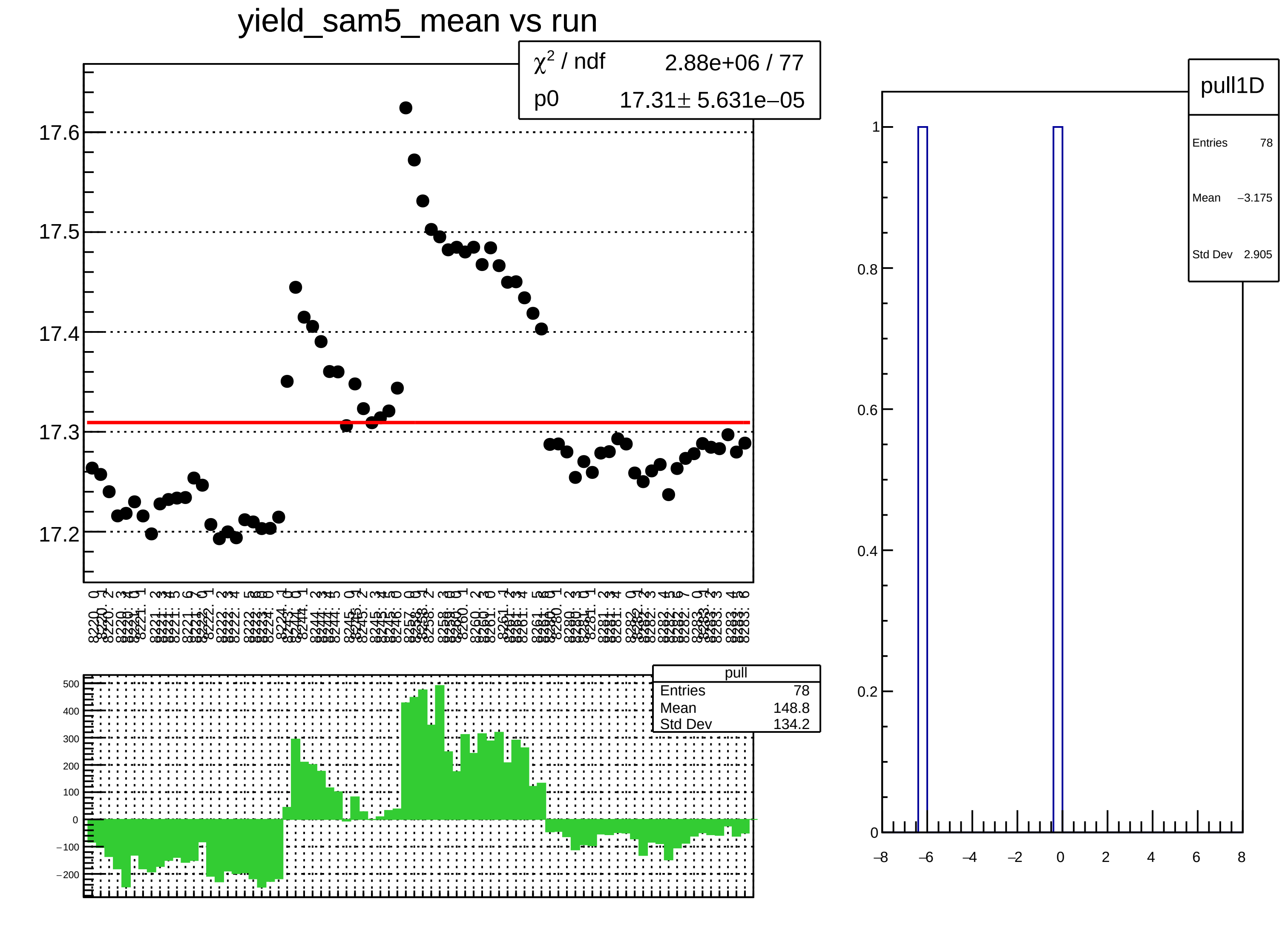
yield_sam3_mean vs run
χ^2 / ndf 2.813e+05 / 77
p0 24.14 ± 0.0002406
pull
Entries 78
Mean −450
Std Dev 498.6
pull1D
Entries 78
Mean 0.4796
Std Dev 4.958


yield_sam3_rms vs run
χ^2 / ndf 5.571e+04 / 77
p0 0.2034 ± 0.0001701
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15

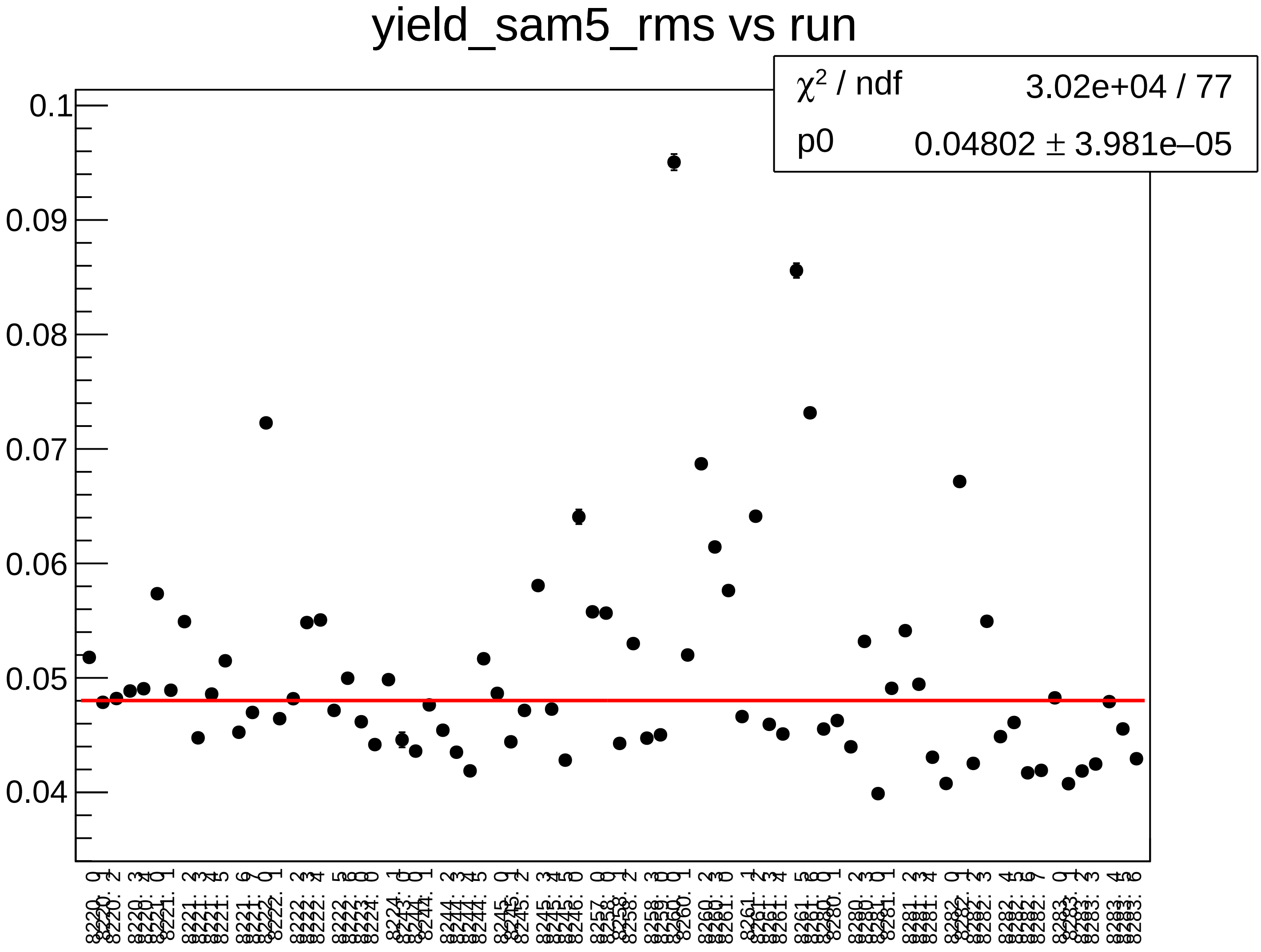


yield_sam4_mean vs run
χ2 / ndf 1.736e+05 / 77
p0 13.87 ± 0.0002131
pull
Entries 78
Mean 11.75
Std Dev 100.3
pull1D
Entries 78
Mean −0.1779
Std Dev 4.194

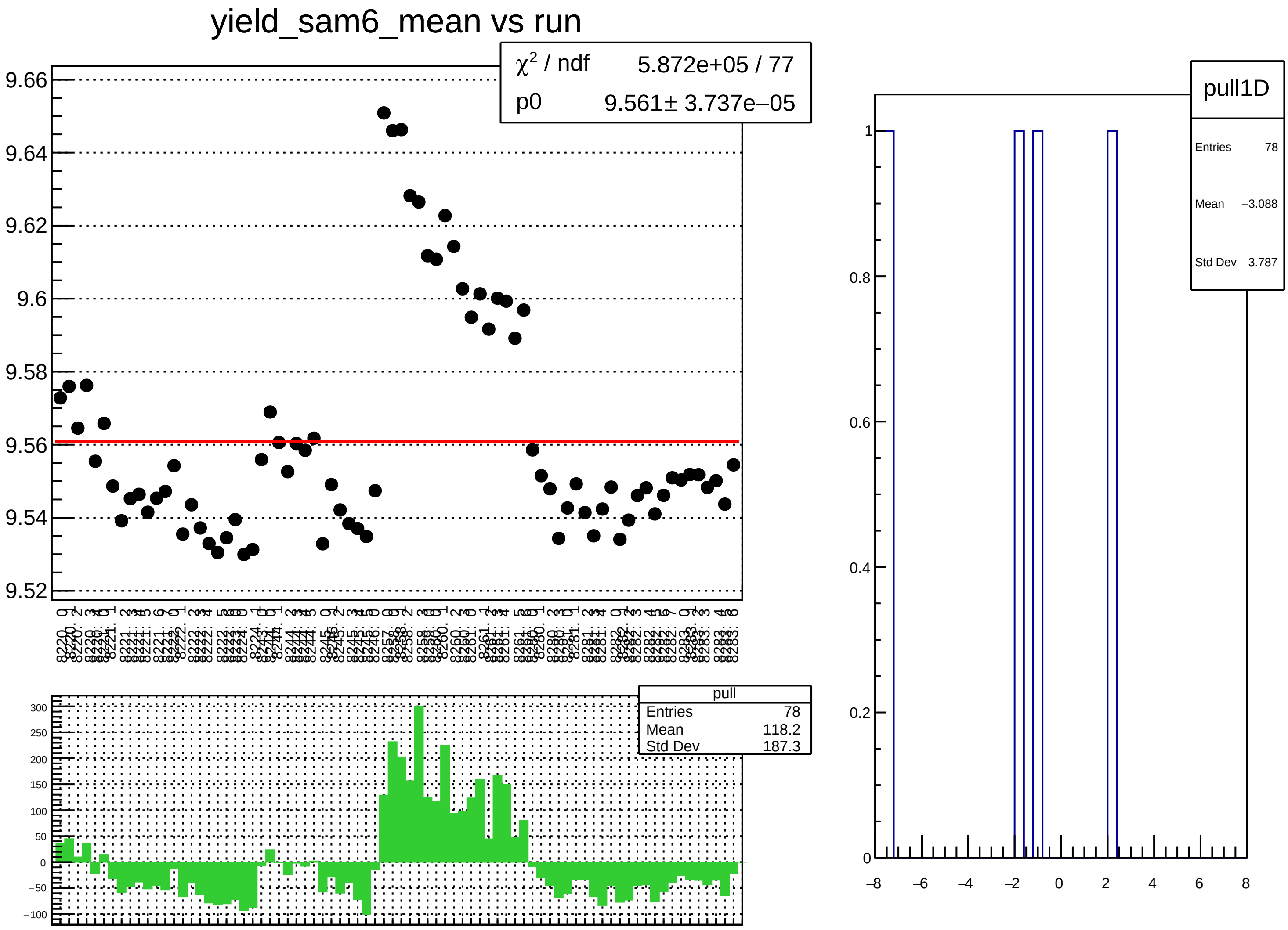

yield_sam4_rms vs run
χ2 / ndf 4.595e+04 / 77
p0 0.1807 ± 0.0001507
0.45
0.4
0.35
0.3
0.25
0.2
0.15



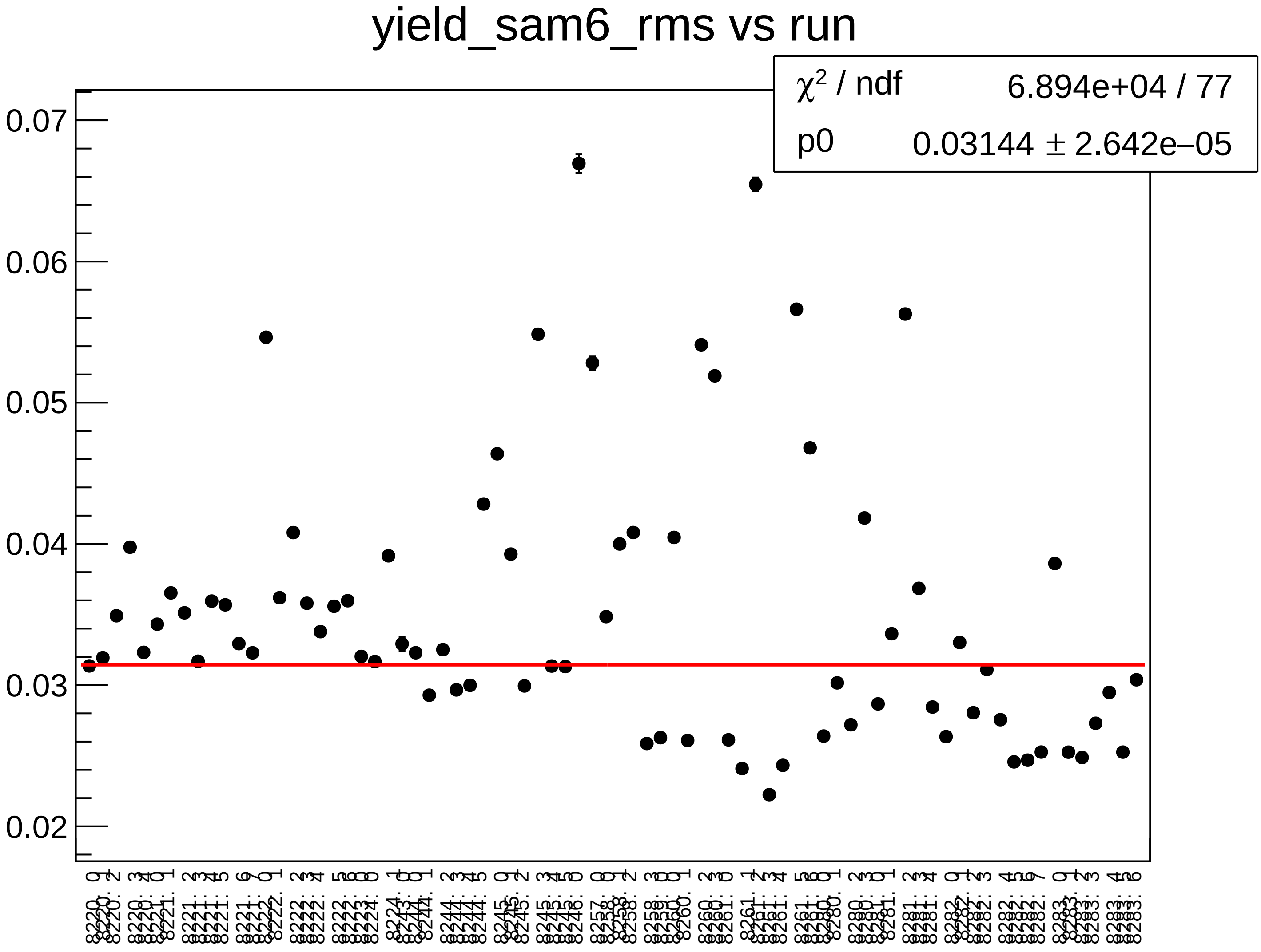
yield_sam5_mean vs run
χ^2 / ndf 2.88e+06 / 77
p0 17.31± 5.631e−05
17.6
17.5
17.4
17.3
17.2
pull
Entries 78
Mean 148.8
Std Dev 134.2
500
400
300
200
100
0
−100
−200
pull1D
Entries 78
Mean −3.175
Std Dev 2.905
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

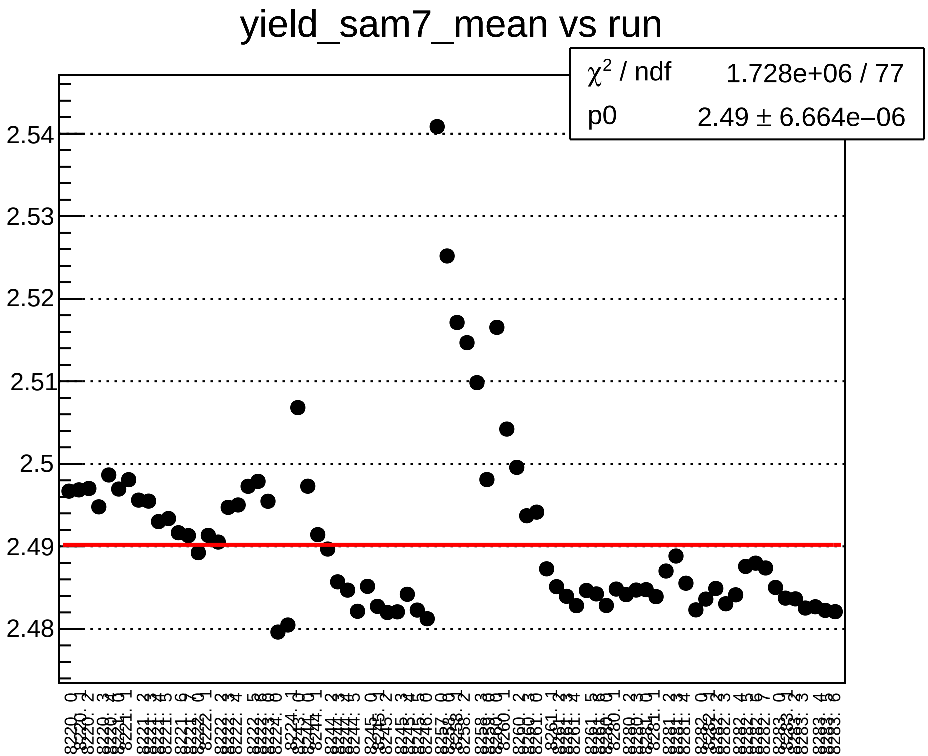


yield_sam5_rms vs run
χ^2 / ndf 3.02e+04 / 77
p0 0.04802 ± 3.981e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04

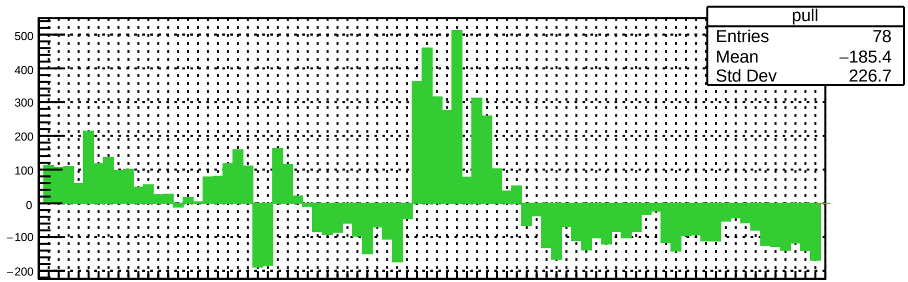


yield_sam6_mean vs run
χ² / ndf 5.872e+05 / 77
p0 9.561± 3.737e−05
pull
Entries 78
Mean 118.2
Std Dev 187.3
pull1D
Entries 78
Mean −3.088
Std Dev 3.787

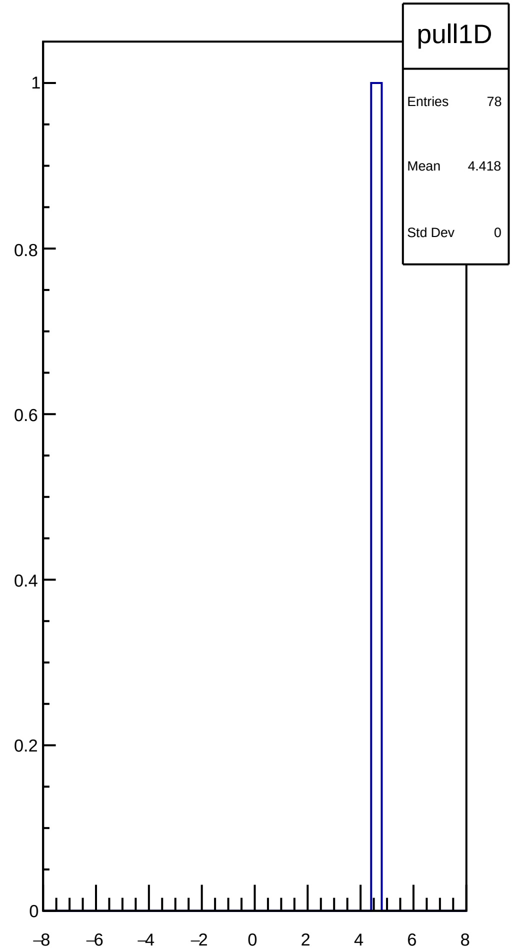

yield_sam6_rms vs run
χ^2 / ndf 6.894e+04 / 77
p0 0.03144 ± 2.642e−05
0.07
0.06
0.05
0.04
0.03
0.02



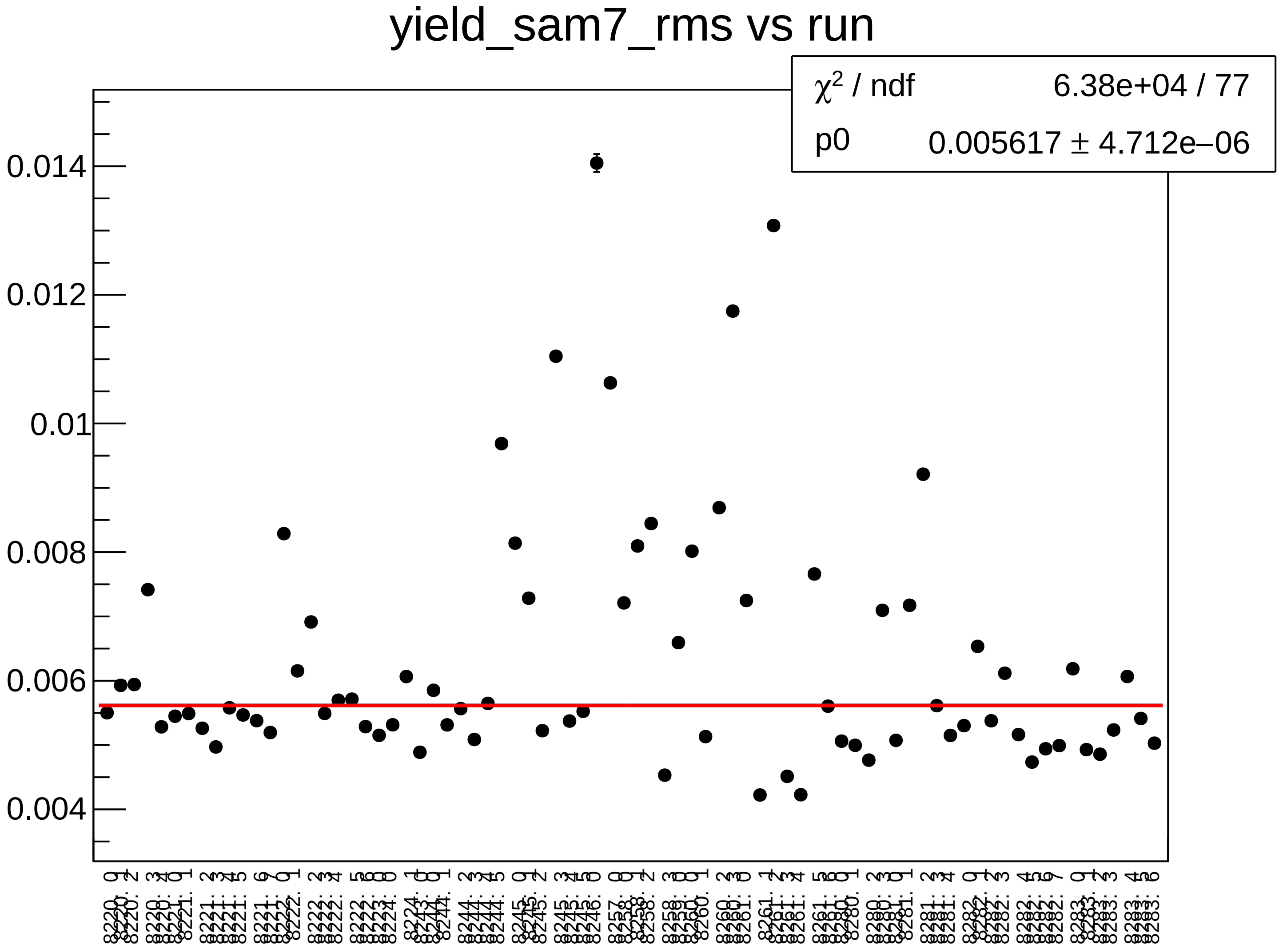
yield_sam7_mean vs run
χ^2 / ndf 1.728e+06 / 77
p0 2.49 ± 6.664e−06
2.54
2.53
2.52
2.51
2.5
2.49
2.48

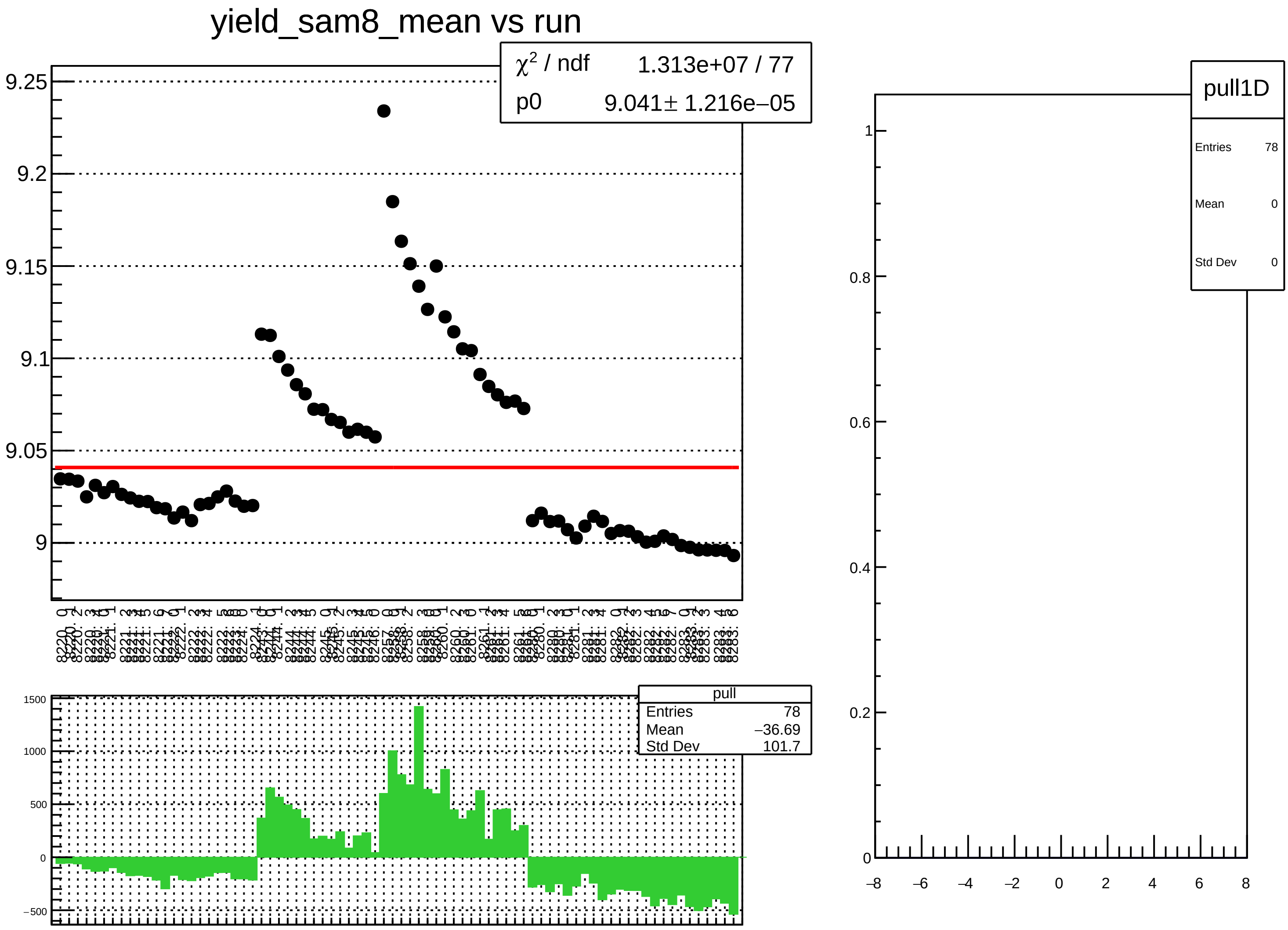


pull
Entries 78
Mean −185.4
Std Dev 226.7
500
400
300
200
100
0
−100
−200

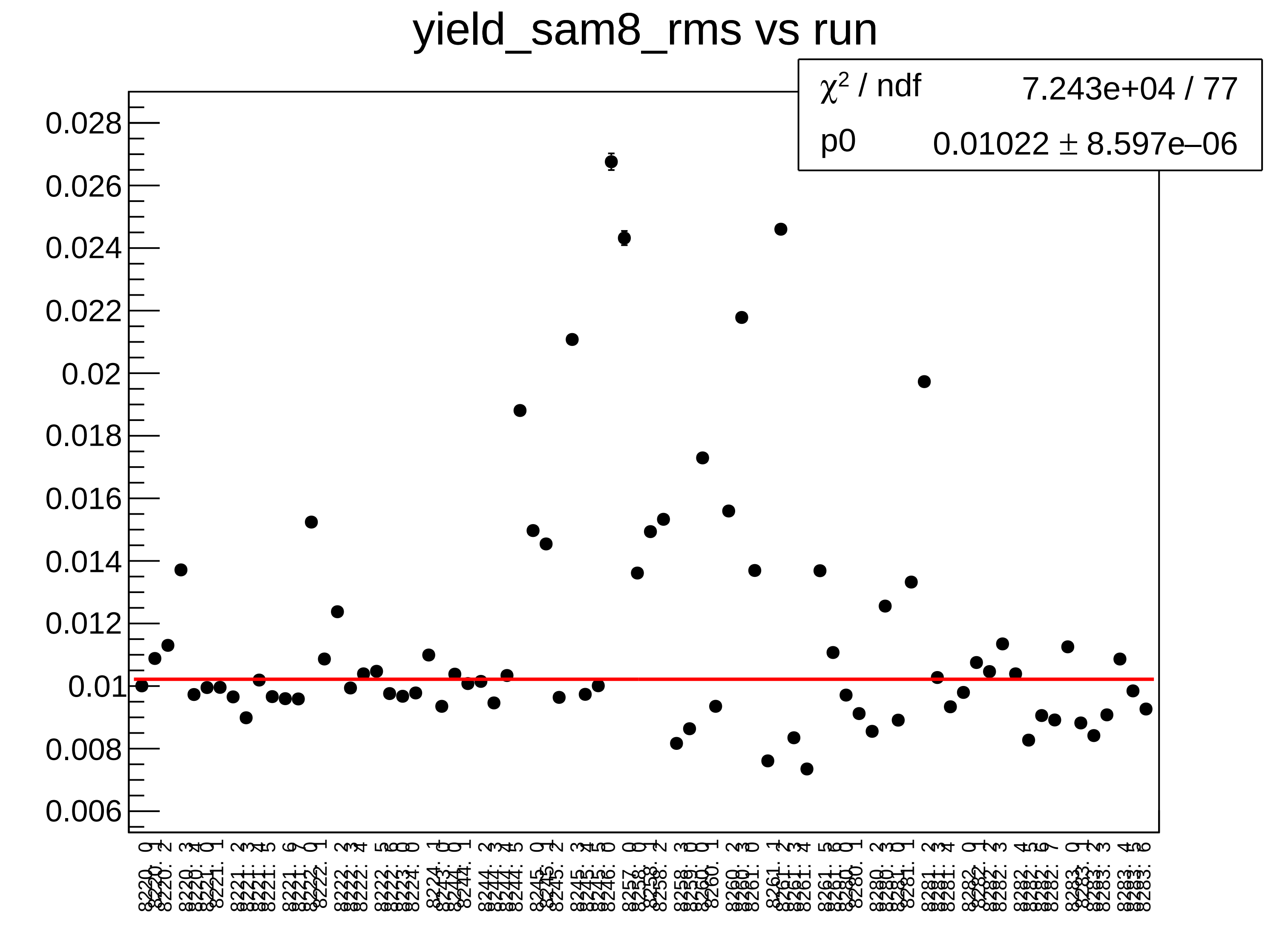


pull1D
Entries 78
Mean 4.418
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8

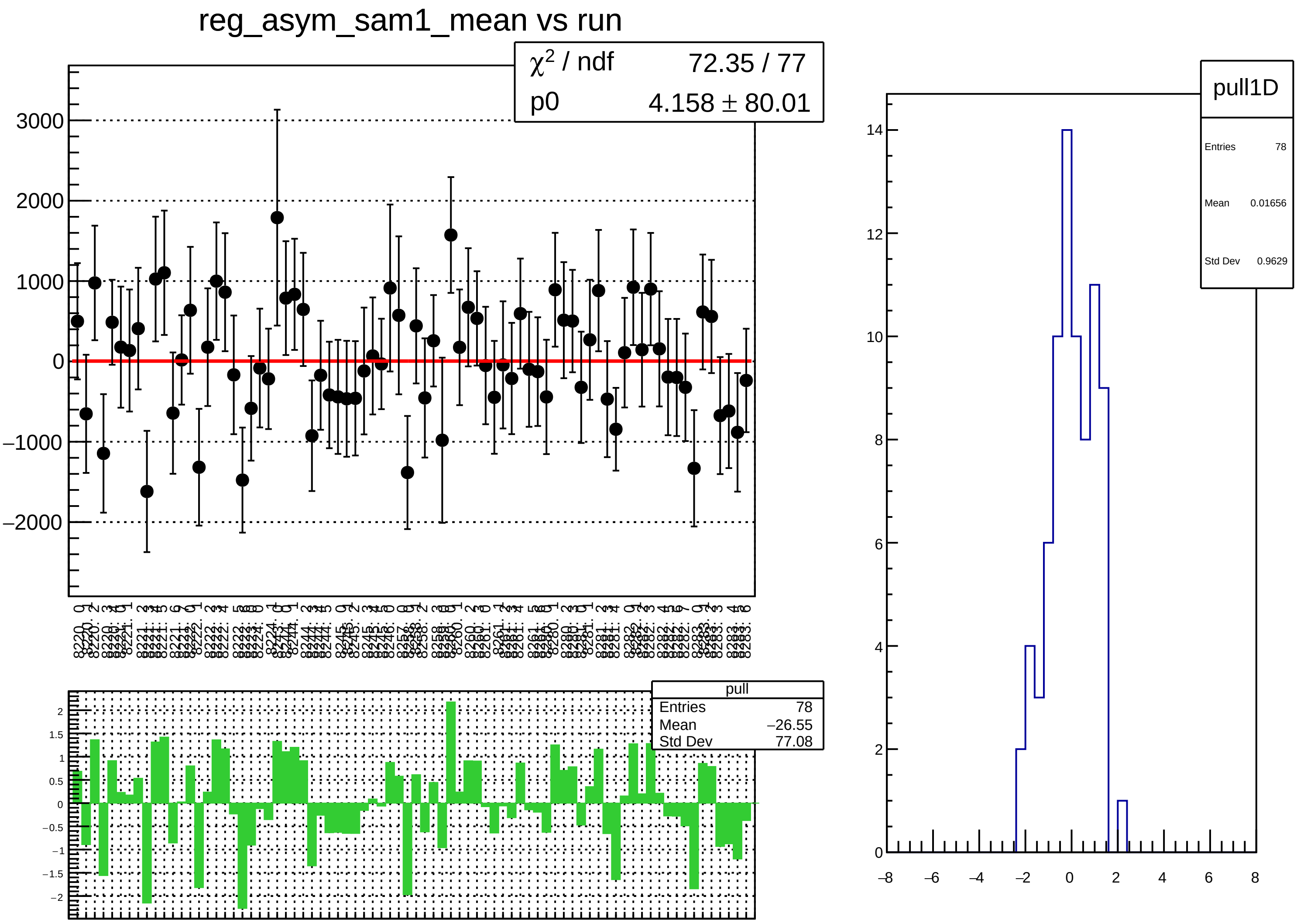

yield_sam7_rms vs run
χ2 / ndf 6.38e+04 / 77
p0 0.005617 ± 4.712e−06
0.014
0.012
0.01
0.008
0.006
0.004

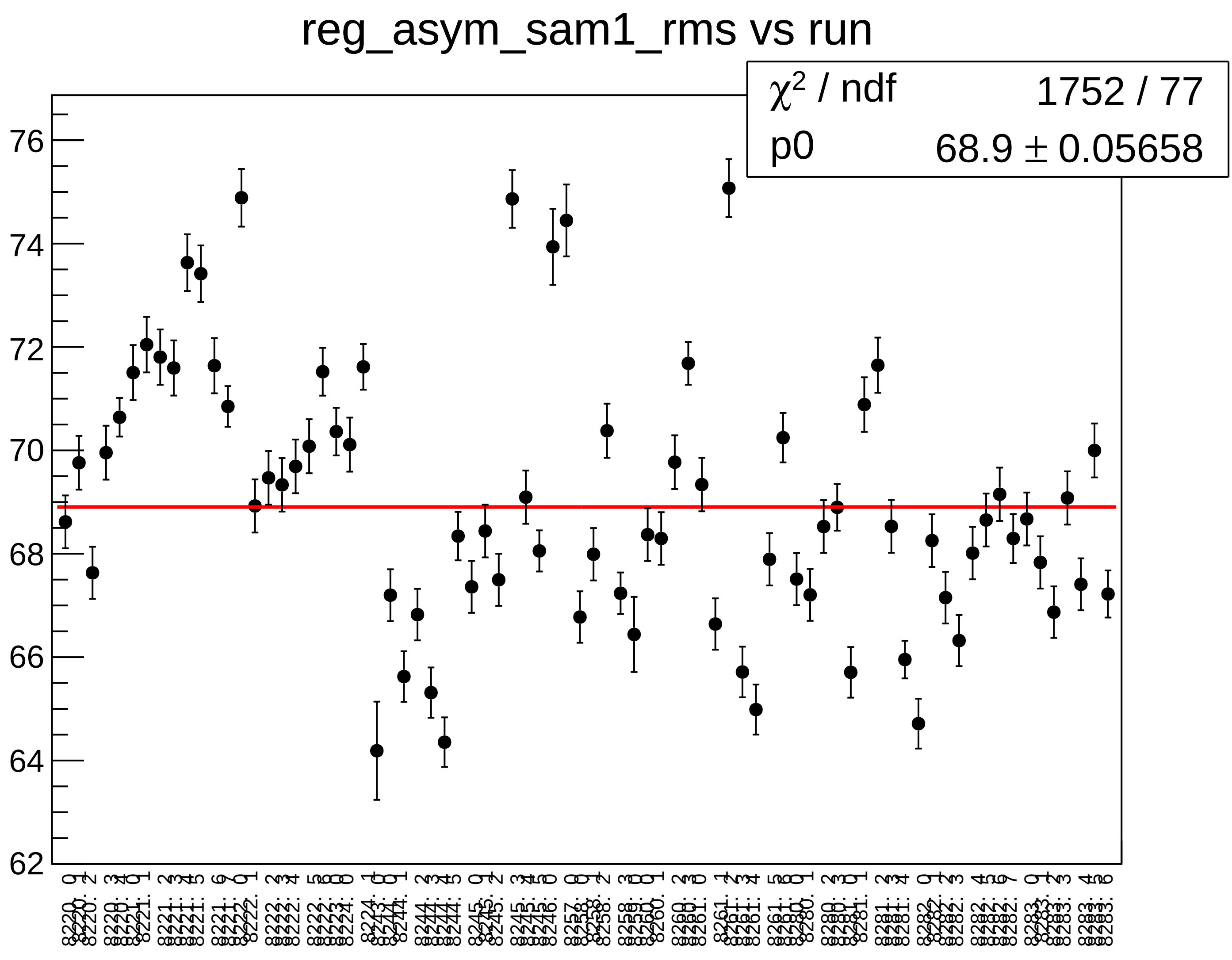


yield_sam8_mean vs run
χ² / ndf 1.313e+07 / 77
p0 9.041± 1.216e−05
pull
Entries 78
Mean −36.69
Std Dev 101.7
pull1D
Entries 78
Mean 0
Std Dev 0

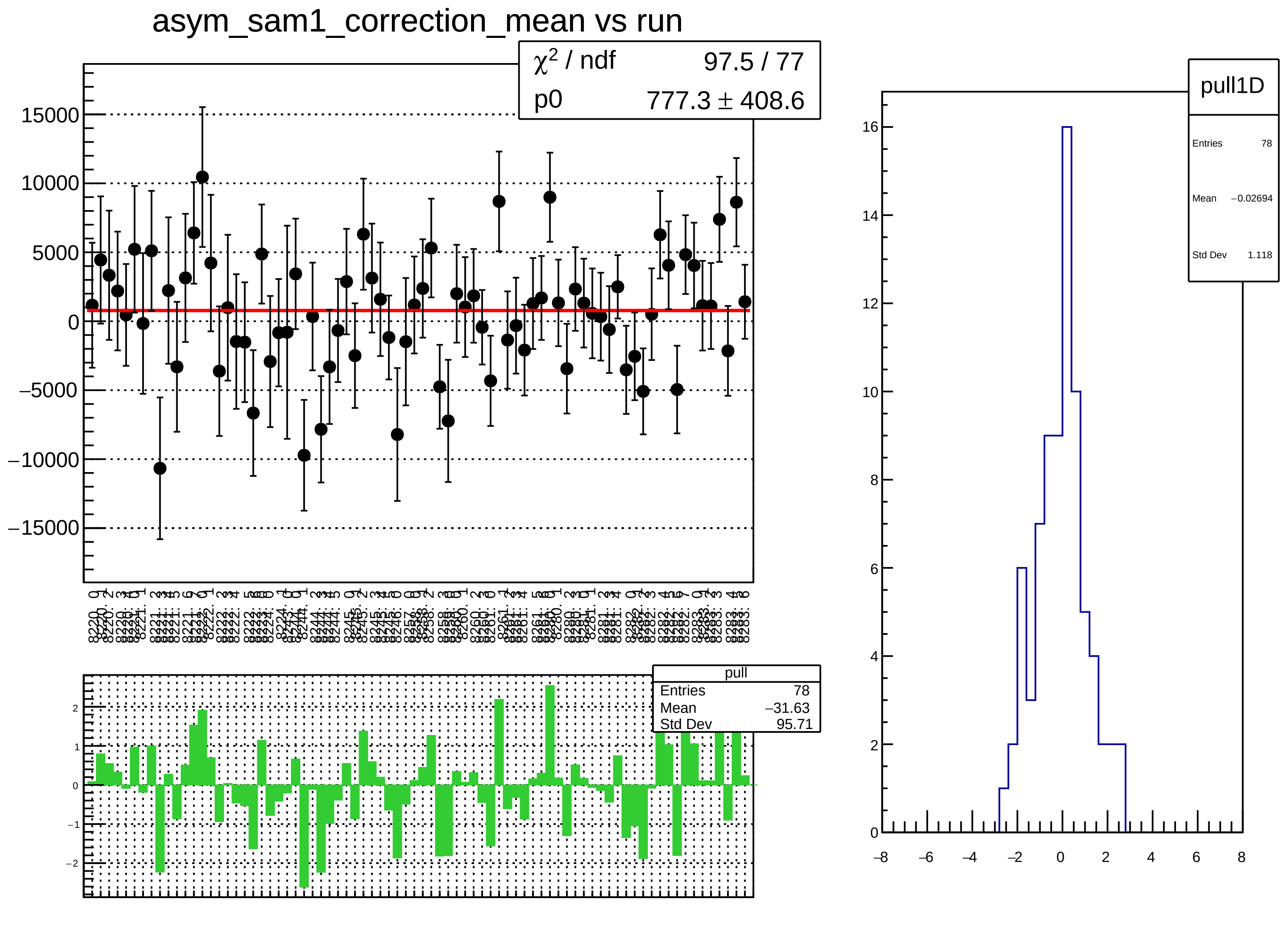


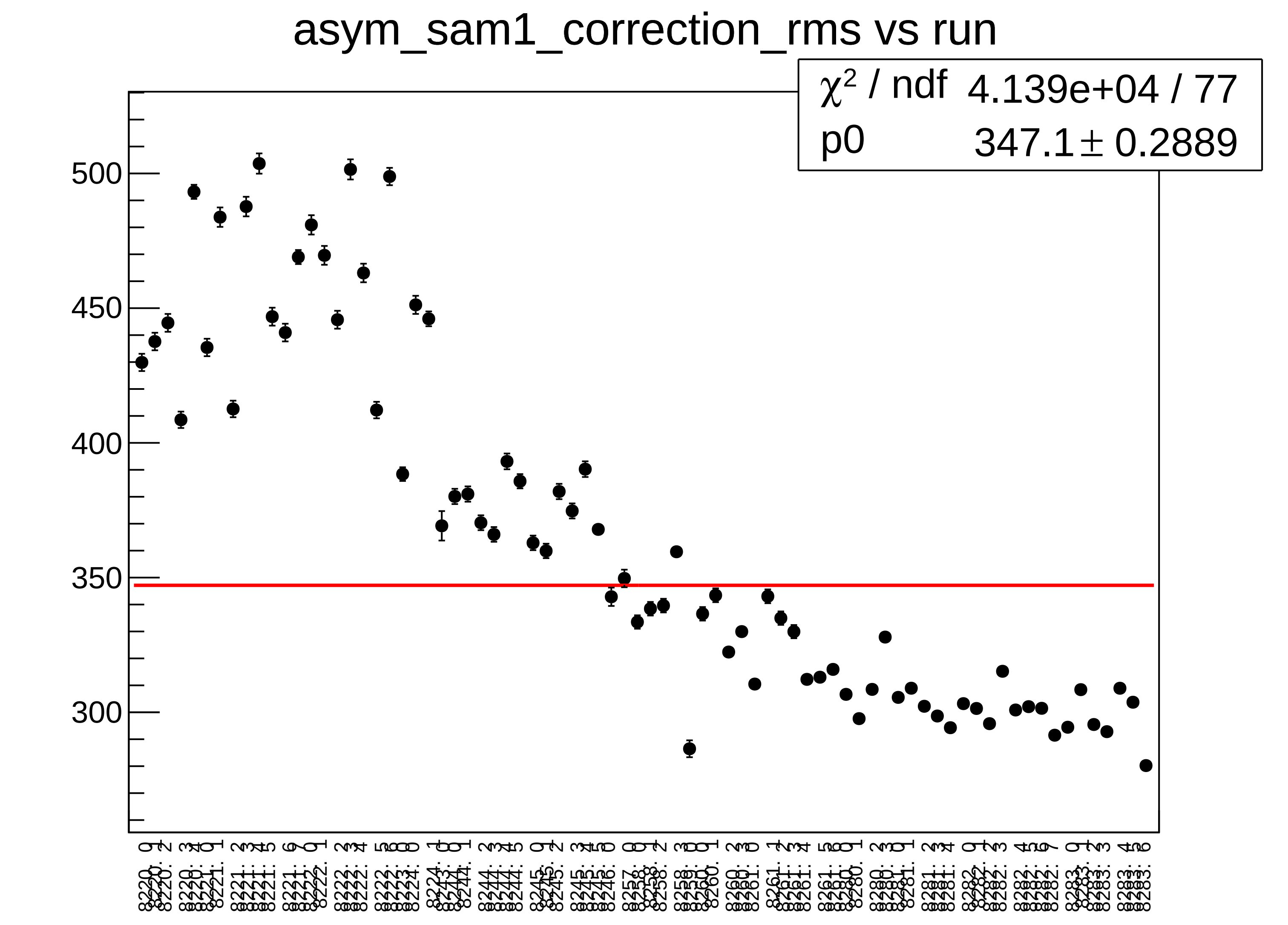
yield_sam8_rms vs run
χ^2 / ndf 7.243e+04 / 77
p0 0.01022 ± 8.597e−06
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

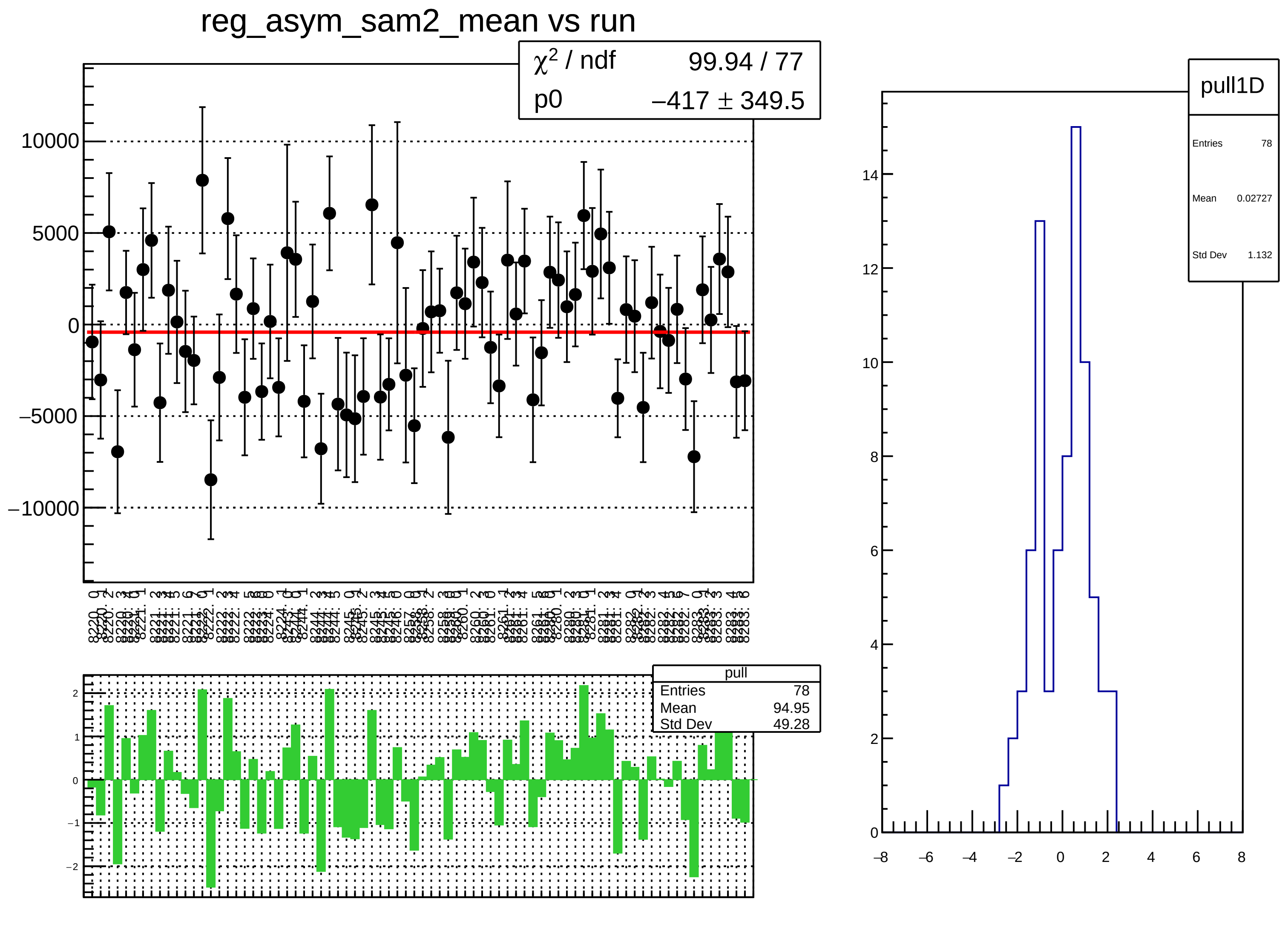

reg_asym_sam1_mean vs run
χ^2 / ndf 72.35 / 77
p0 4.158 ± 80.01
pull
Entries 78
Mean −26.55
Std Dev 77.08
pull1D
Entries 78
Mean 0.01656
Std Dev 0.9629



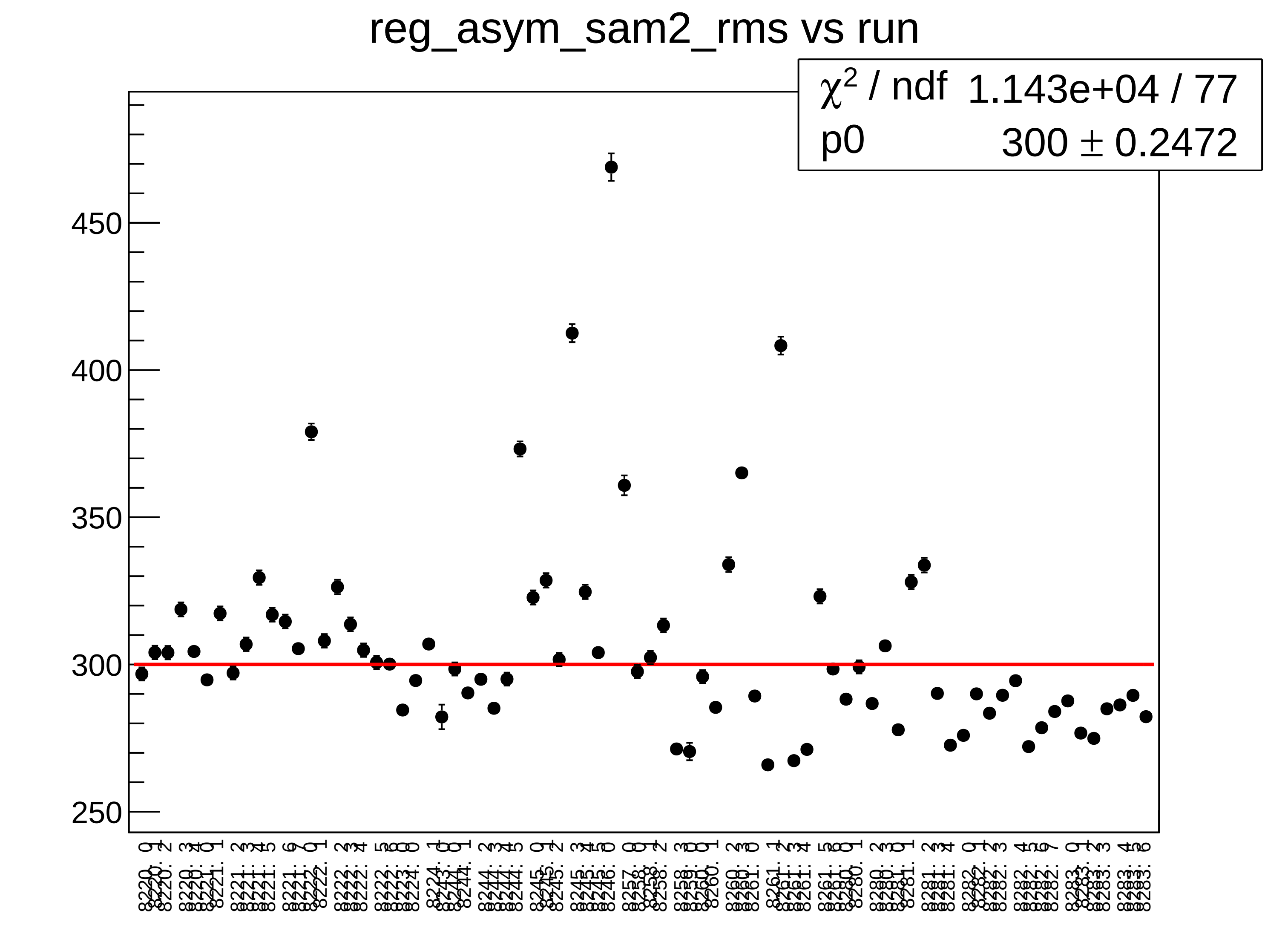
reg_asym_sam1_rms vs run
χ^2 / ndf 1752 / 77
p0 68.9 ± 0.05658
76
74
72
70
68
66
64
62

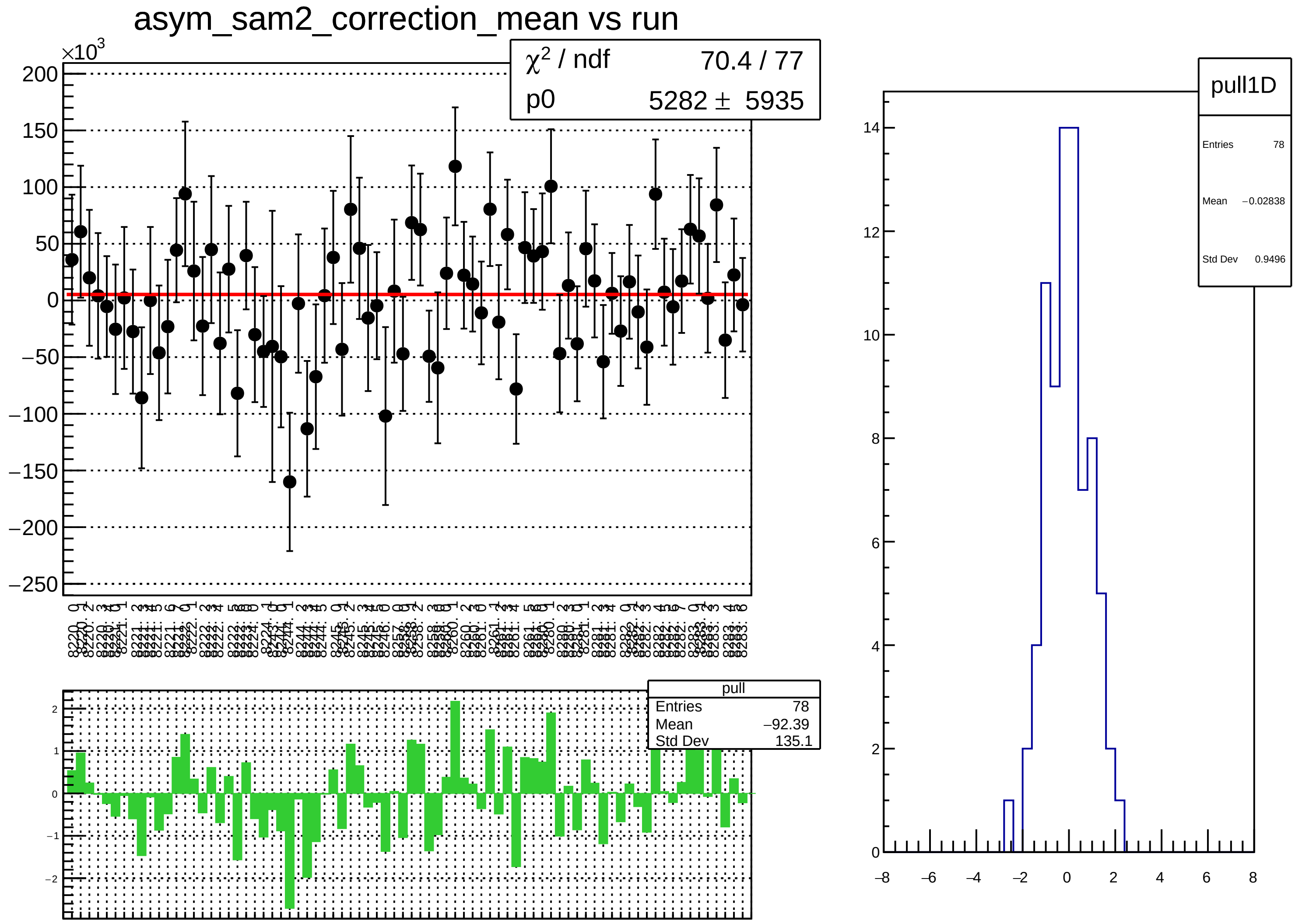

asym_sam1_correction_mean vs run
χ^2 / ndf 97.5 / 77
p0 777.3 ± 408.6
pull
Entries 78
Mean −31.63
Std Dev 95.71
pull1D
Entries 78
Mean −0.02694
Std Dev 1.118


asym_sam1_correction_rms vs run
χ2 / ndf 4.139e+04 / 77
p0 347.1 ± 0.2889
500
450
400
350
300

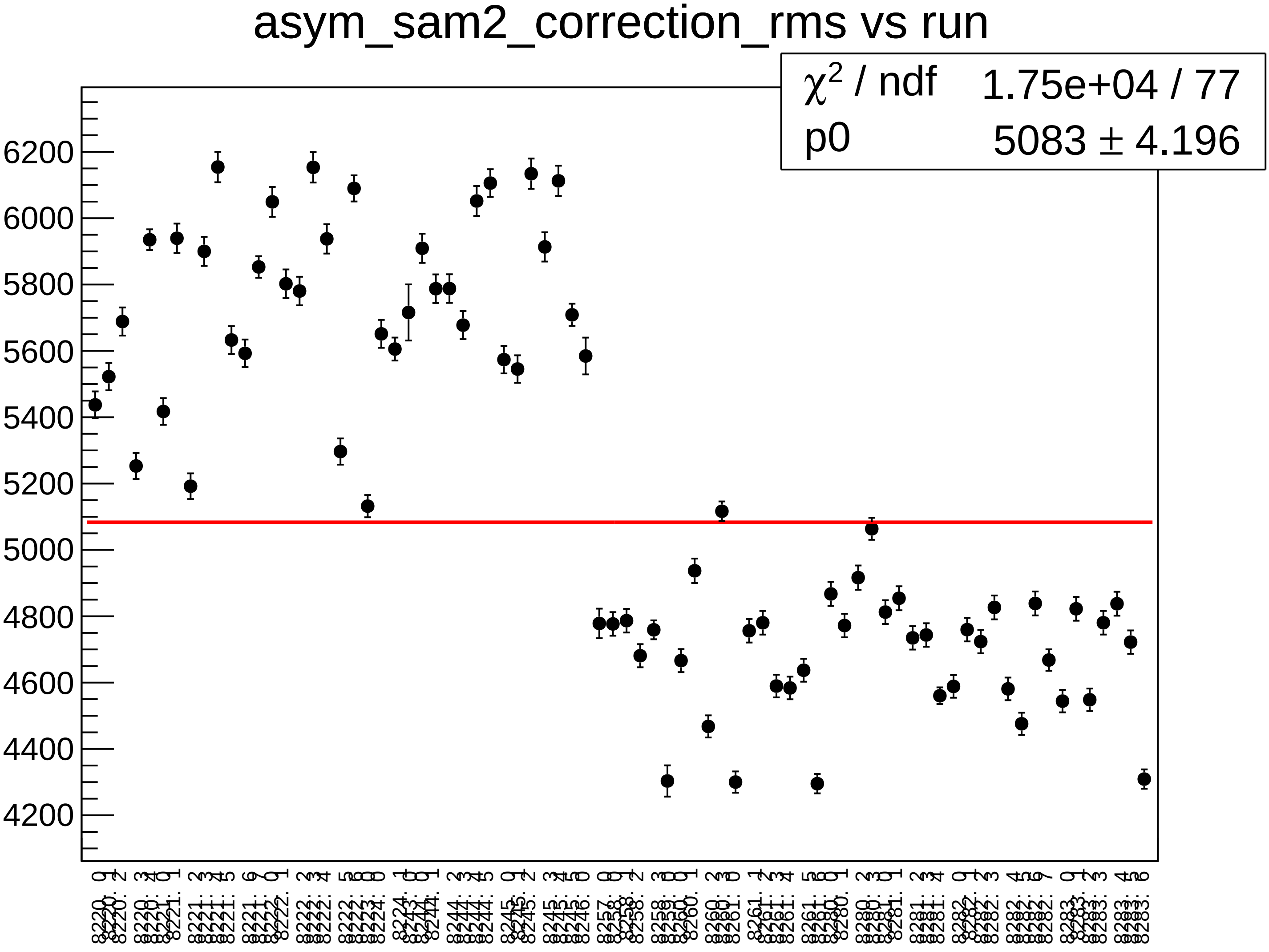


reg_asym_sam2_mean vs run
χ^2 / ndf 99.94 / 77
p0 −417 ± 349.5
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 94.95
Std Dev 49.28
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.02727
Std Dev 1.132
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

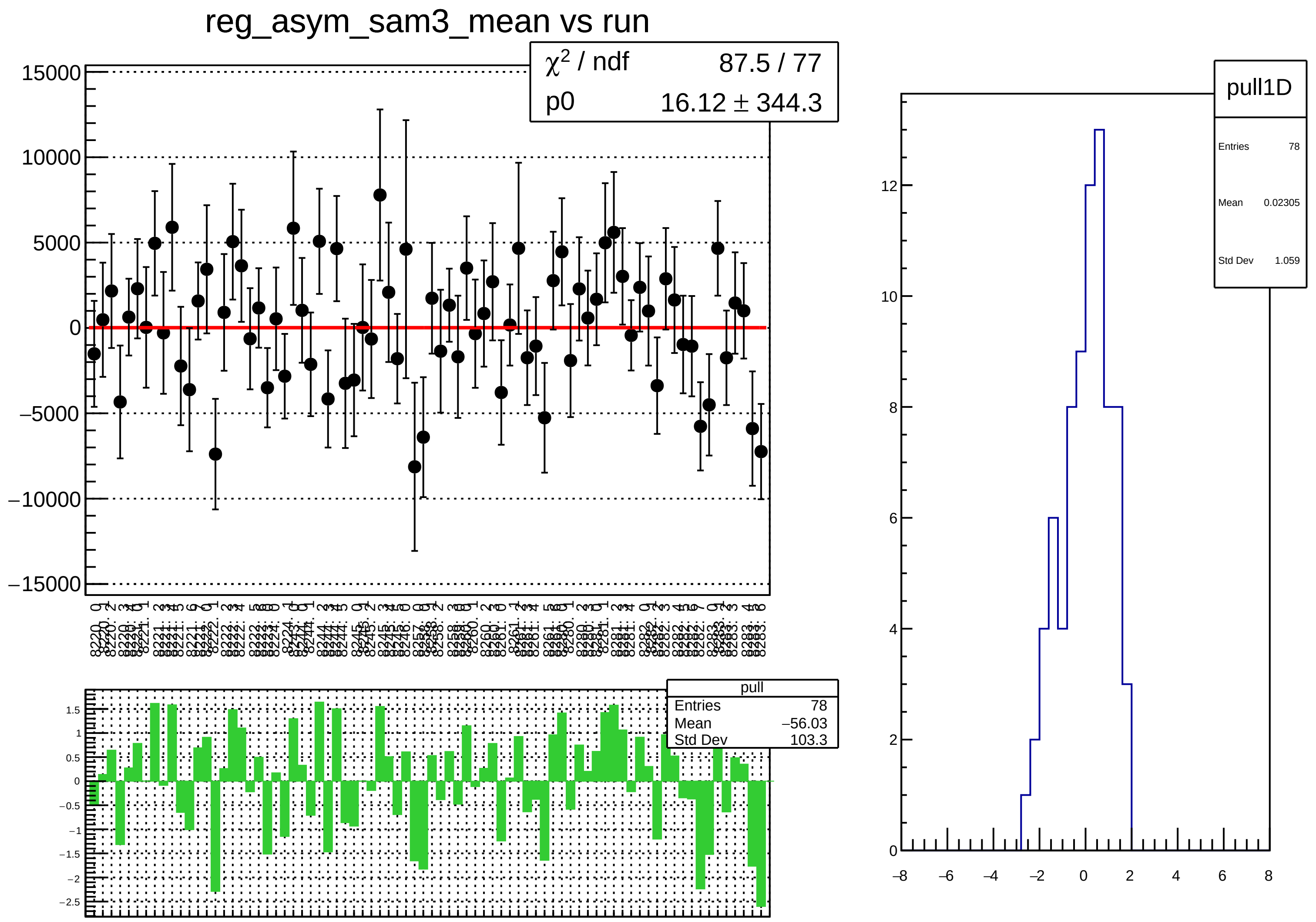

reg_asym_sam2_rms vs run
χ^2 / ndf 1.143e+04 / 77
p0 300 ± 0.2472
450
400
350
300
250



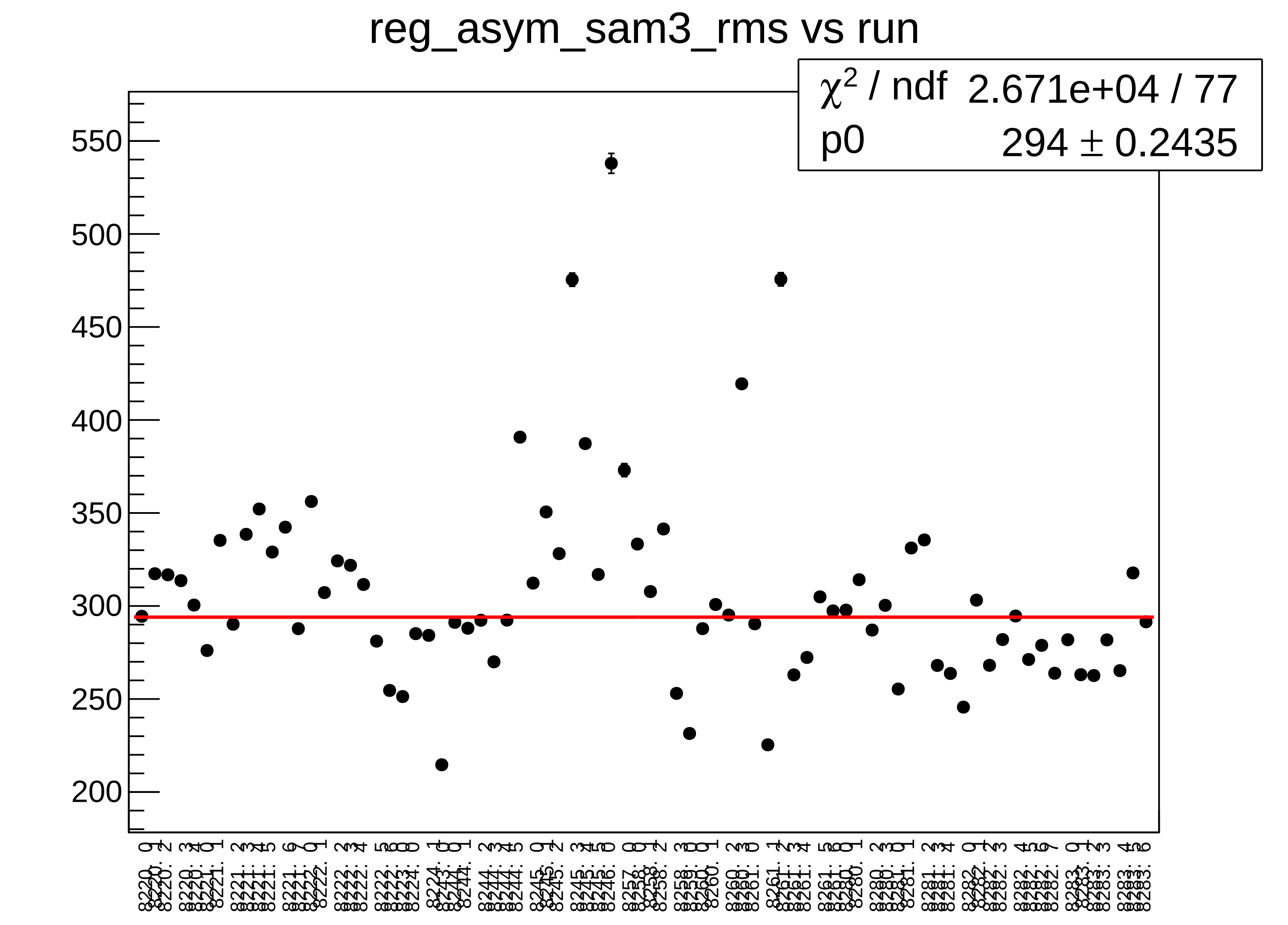
asym_sam2_correction_mean vs run
χ^2 / ndf 70.4 / 77
p0 5282 ± 5935
$\times10^3$
pull
Entries 78
Mean −92.39
Std Dev 135.1
pull1D
Entries 78
Mean −0.02838
Std Dev 0.9496

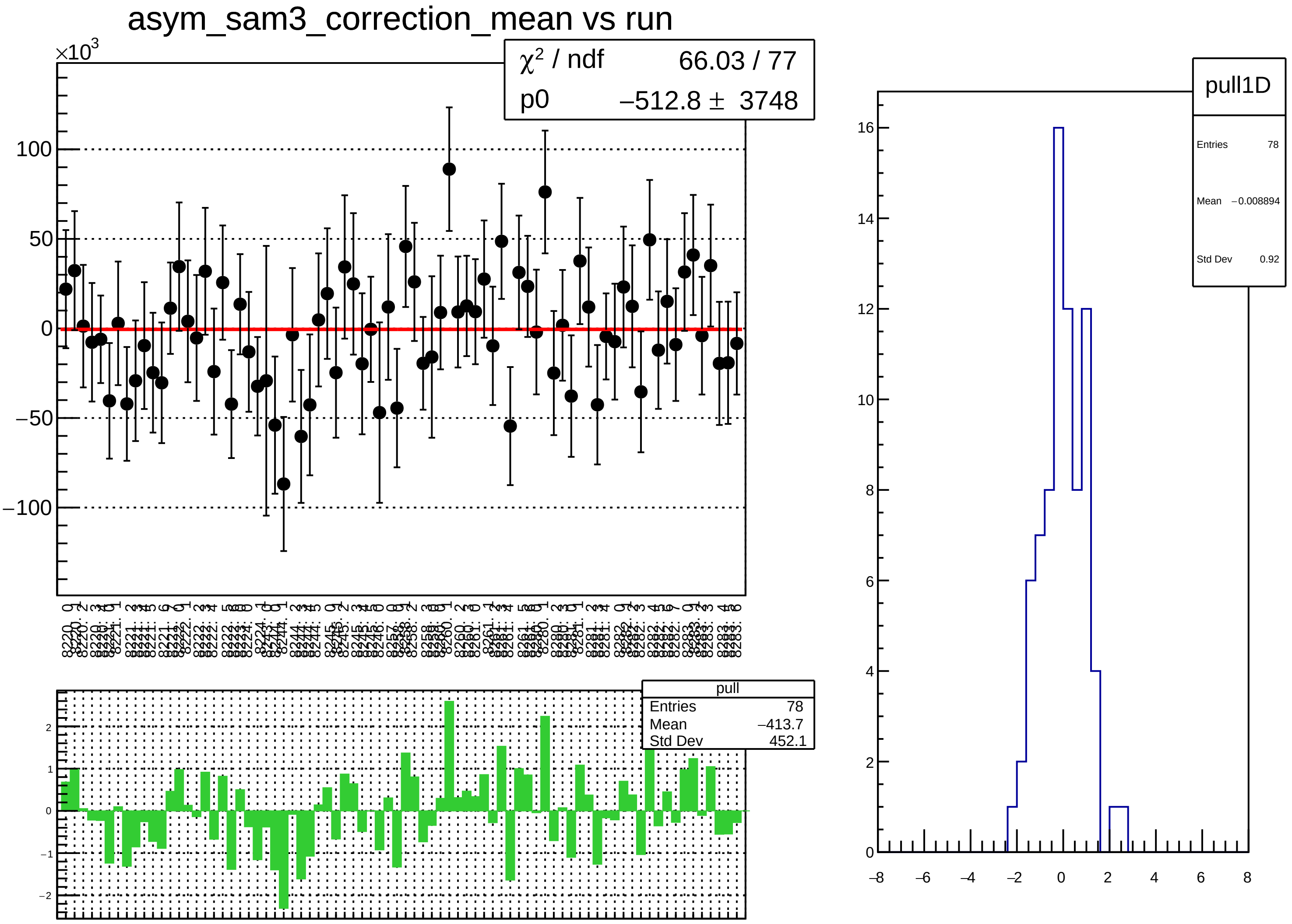


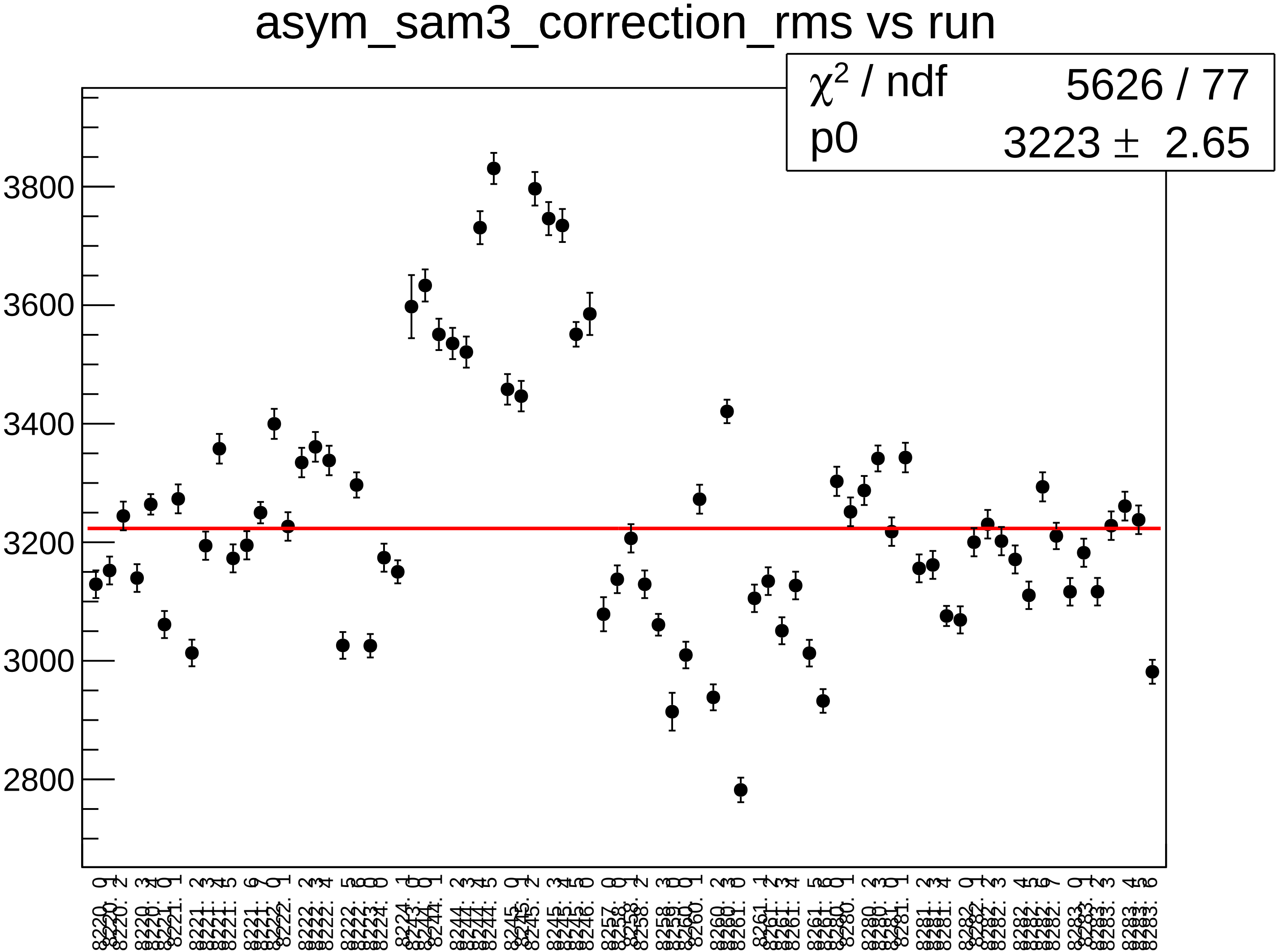
asym_sam2_correction_rms vs run
χ^2 / ndf 1.75e+04 / 77
p0 5083 ± 4.196

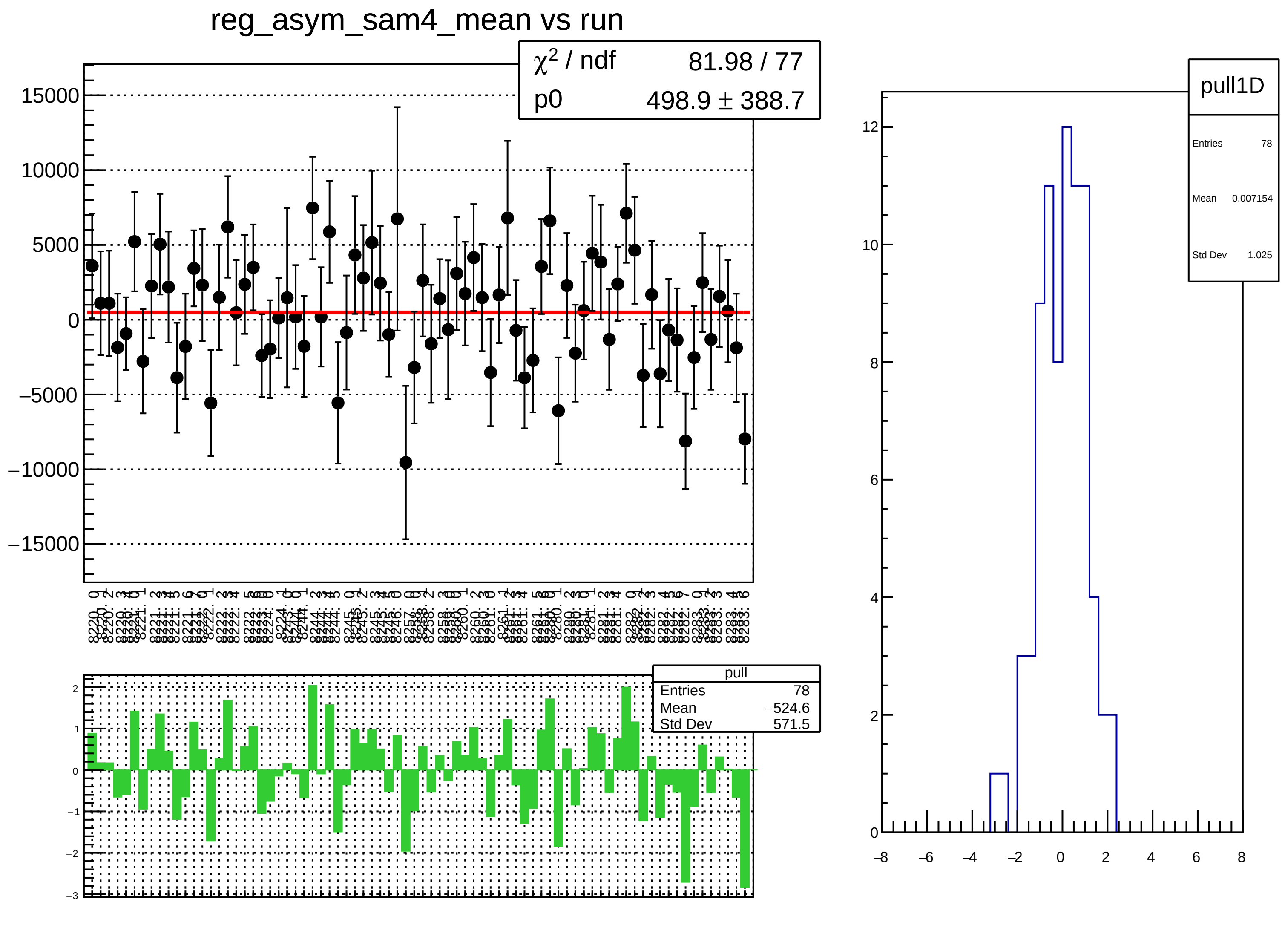


reg_asym_sam3_mean vs run
χ^2 / ndf 87.5 / 77
p0 16.12 ± 344.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −56.03
Std Dev 103.3
pull1D
Entries 78
Mean 0.02305
Std Dev 1.059

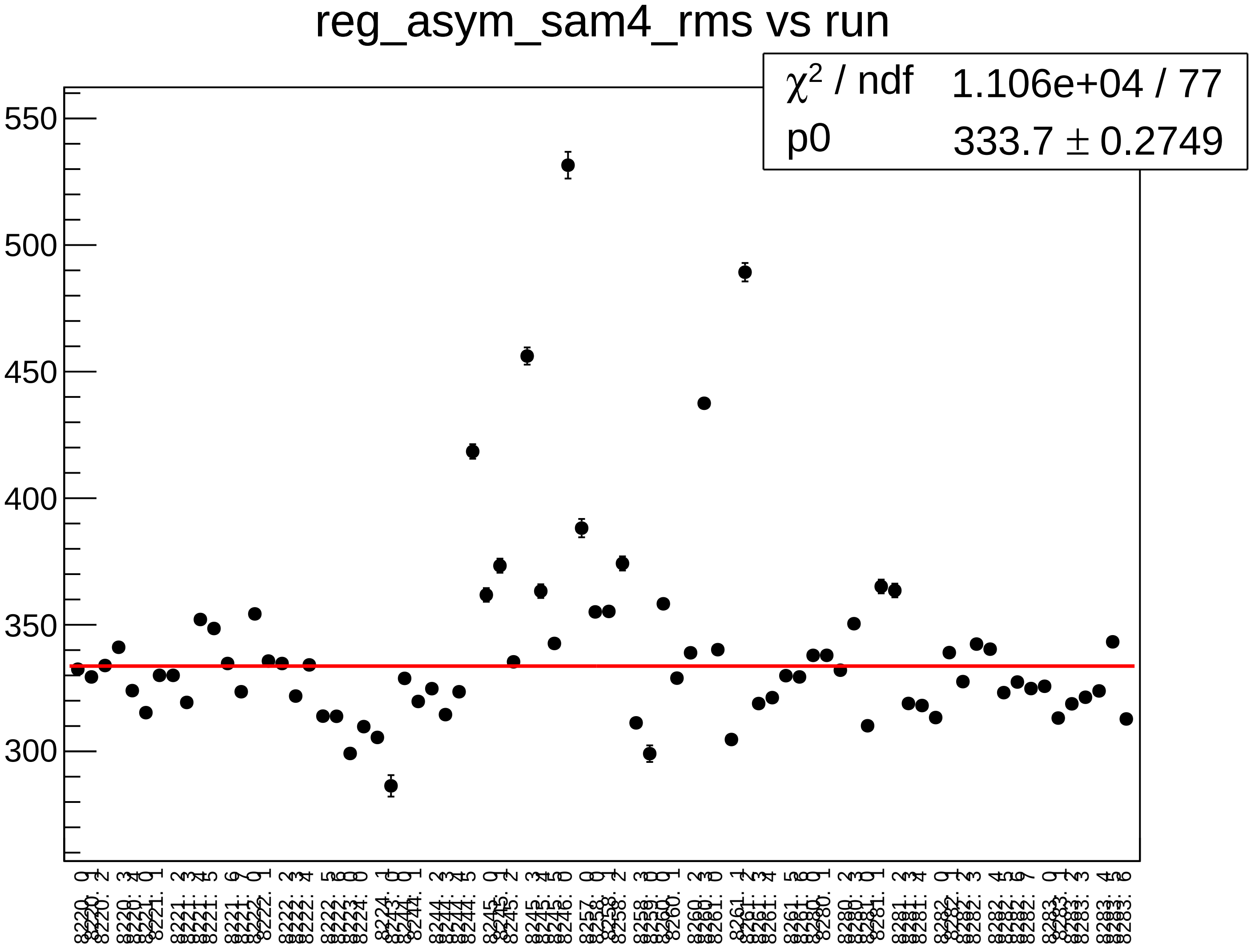

reg_asym_sam3_rms vs run
χ^2 / ndf 2.671e+04 / 77
p0 294 ± 0.2435
550
500
450
400
350
300
250
200


asym_sam3_correction_mean vs run
$\times10^3$
χ^2 / ndf 66.03 / 77
p0 −512.8 ± 3748
100
50
0
−50
−100
pull
Entries 78
Mean −413.7
Std Dev 452.1
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.008894
Std Dev 0.92
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

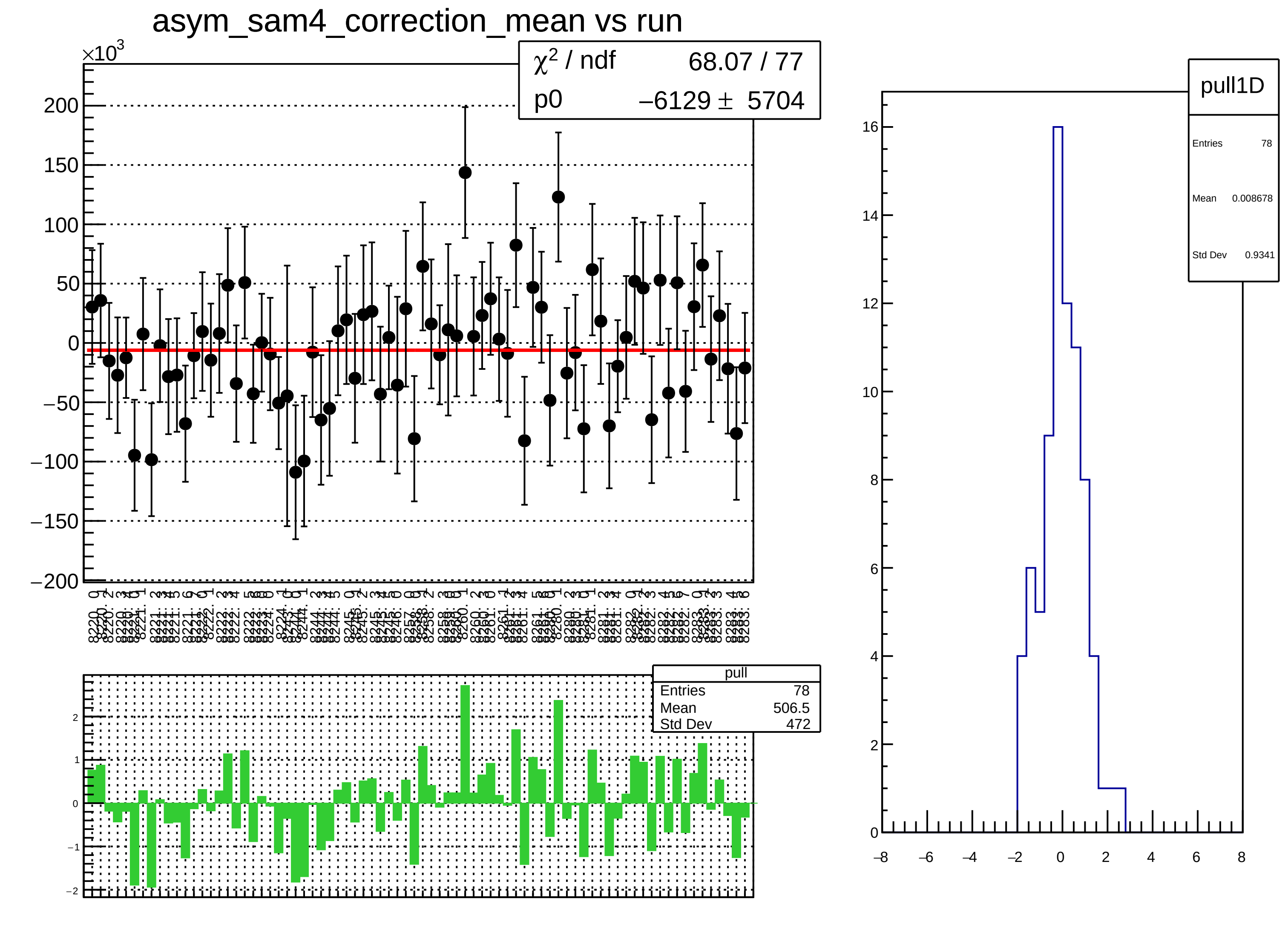

asym_sam3_correction_rms vs run
χ2 / ndf 5626 / 77
p0 3223 ± 2.65
3800
3600
3400
3200
3000
2800

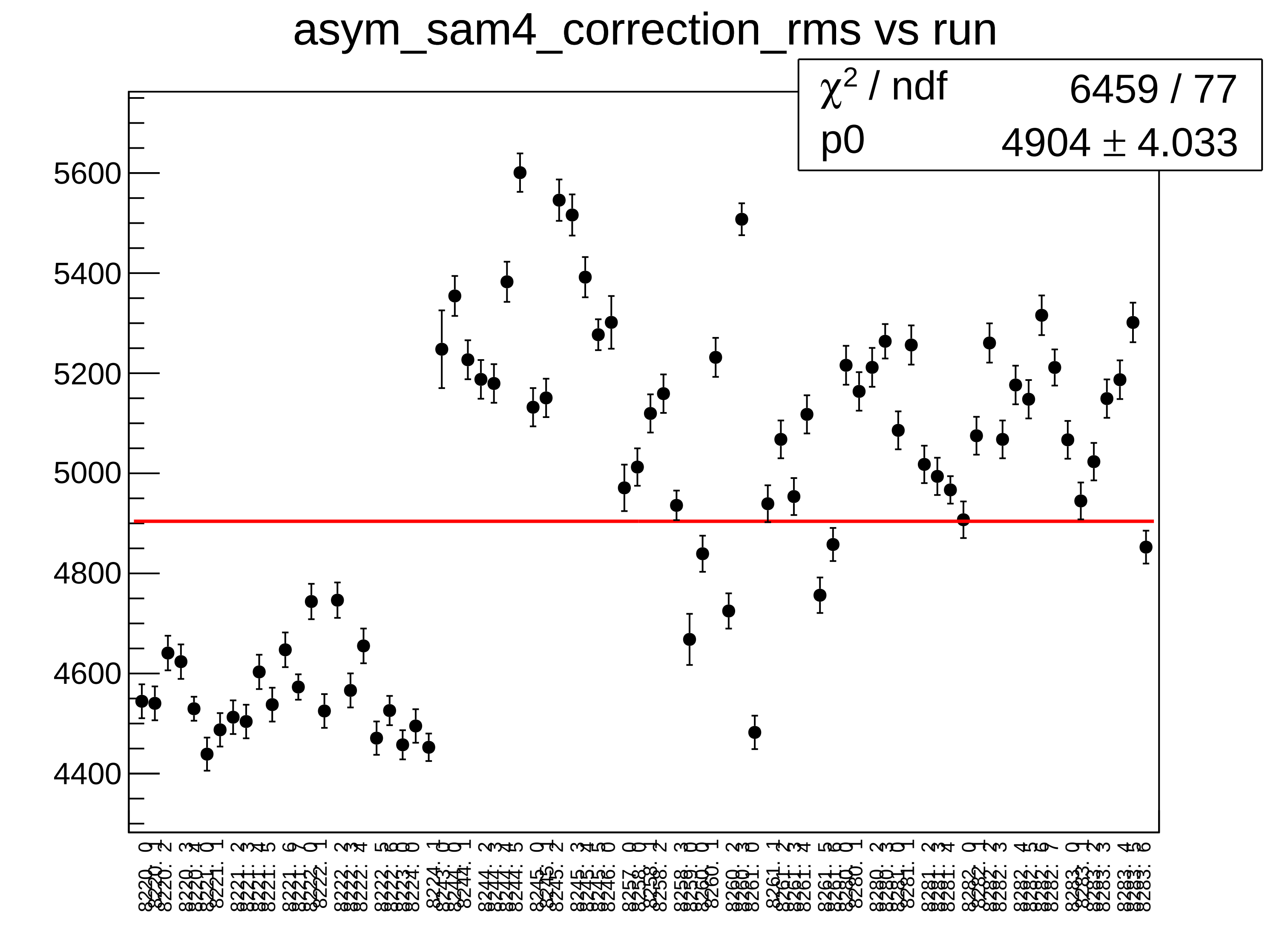


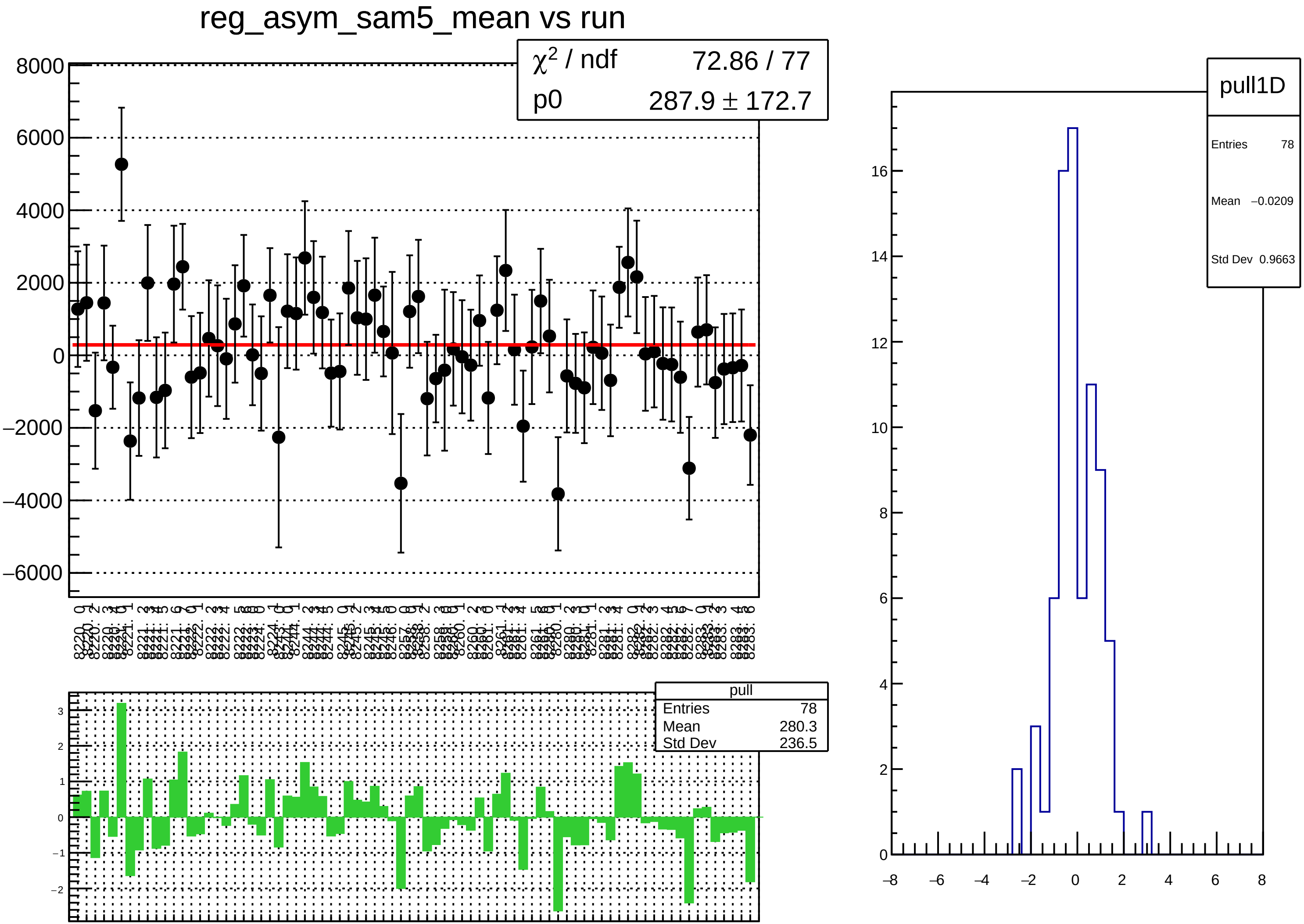
reg_asym_sam4_mean vs run
χ^2 / ndf 81.98 / 77
p0 498.9 ± 388.7
pull
Entries 78
Mean −524.6
Std Dev 571.5
pull1D
Entries 78
Mean 0.007154
Std Dev 1.025

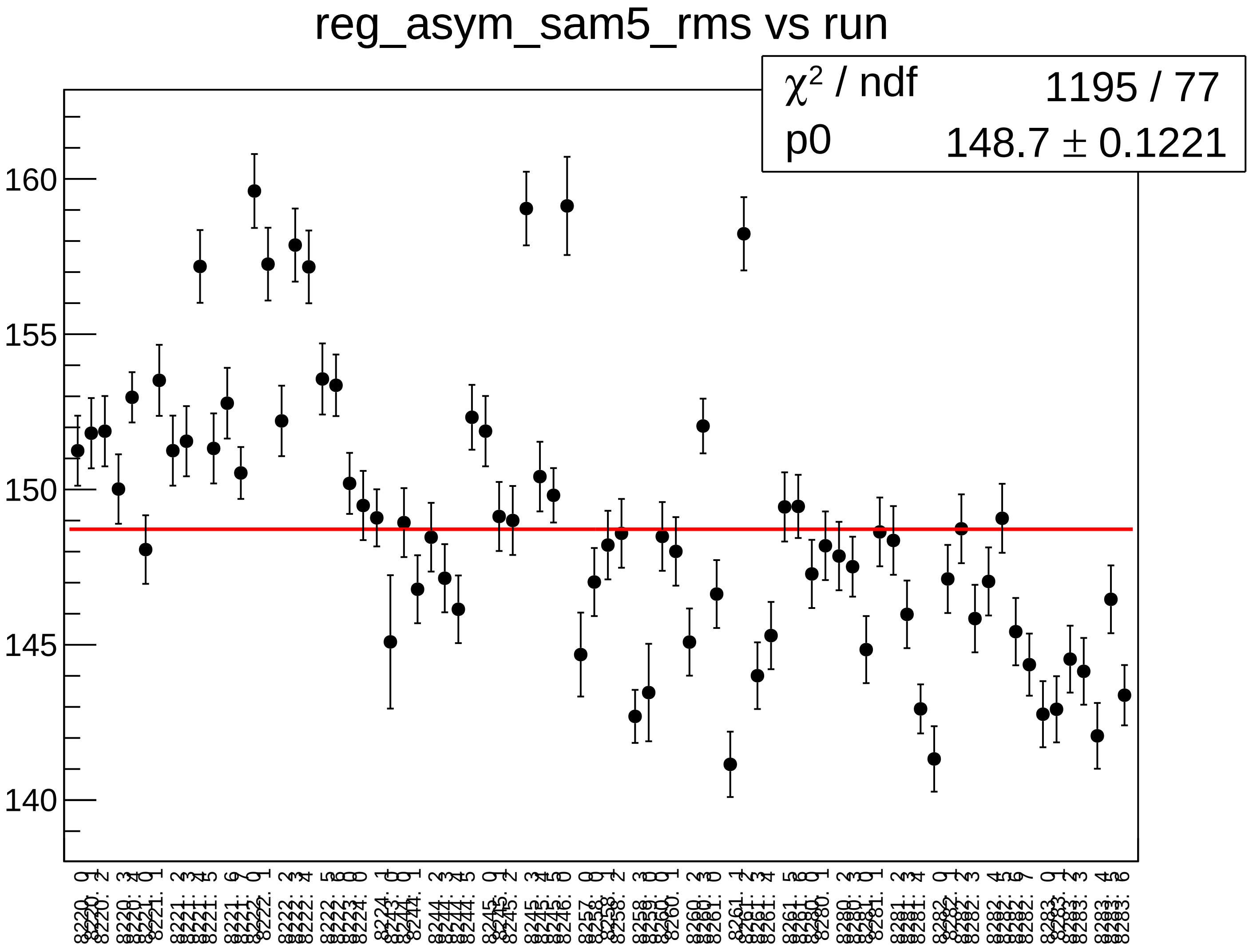


reg_asym_sam4_rms vs run
χ^2 / ndf 1.106e+04 / 77
p0 333.7 ± 0.2749
550
500
450
400
350
300

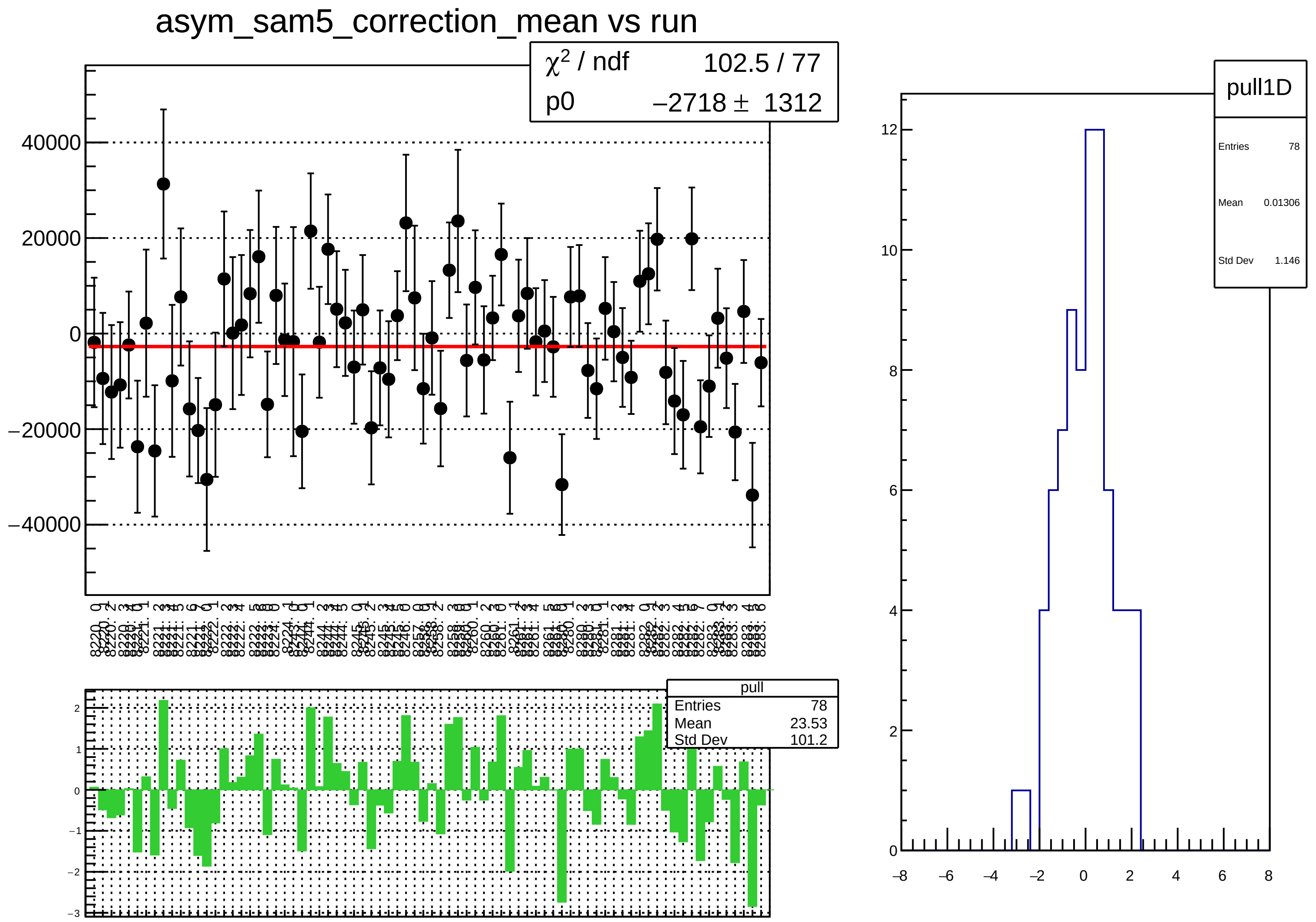

asym_sam4_correction_mean vs run
$\times 10^3$
χ^2 / ndf 68.07 / 77
p0 −6129 ± 5704
pull
Entries 78
Mean 506.5
Std Dev 472
pull1D
Entries 78
Mean 0.008678
Std Dev 0.9341


asym_sam4_correction_rms vs run
χ2 / ndf 6459 / 77
p0 4904 ± 4.033
5600
5400
5200
5000
4800
4600
4400

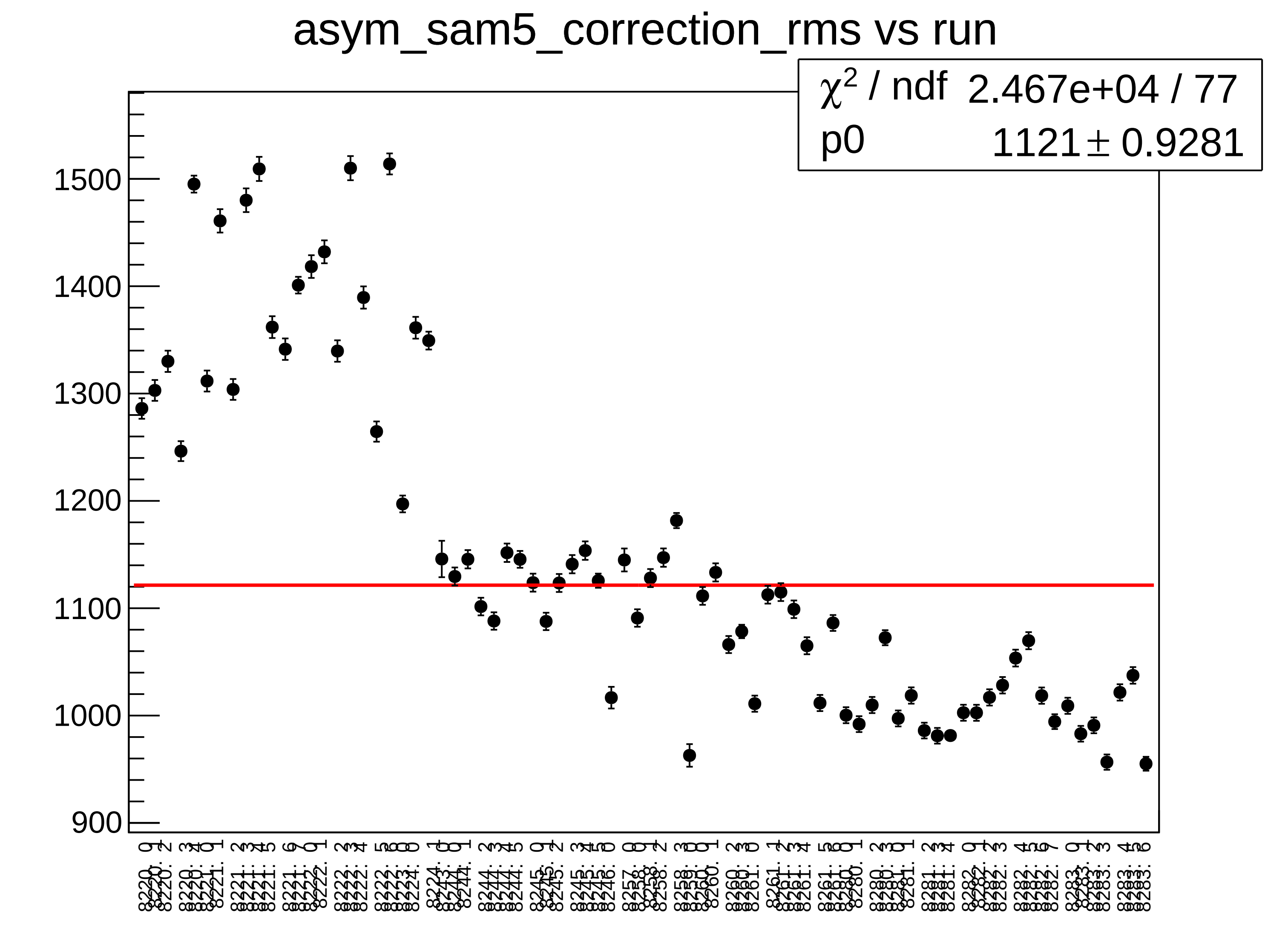

reg_asym_sam5_mean vs run
χ2 / ndf 72.86 / 77
p0 287.9 ± 172.7
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 78
Mean 280.3
Std Dev 236.5
pull1D
Entries 78
Mean −0.0209
Std Dev 0.9663

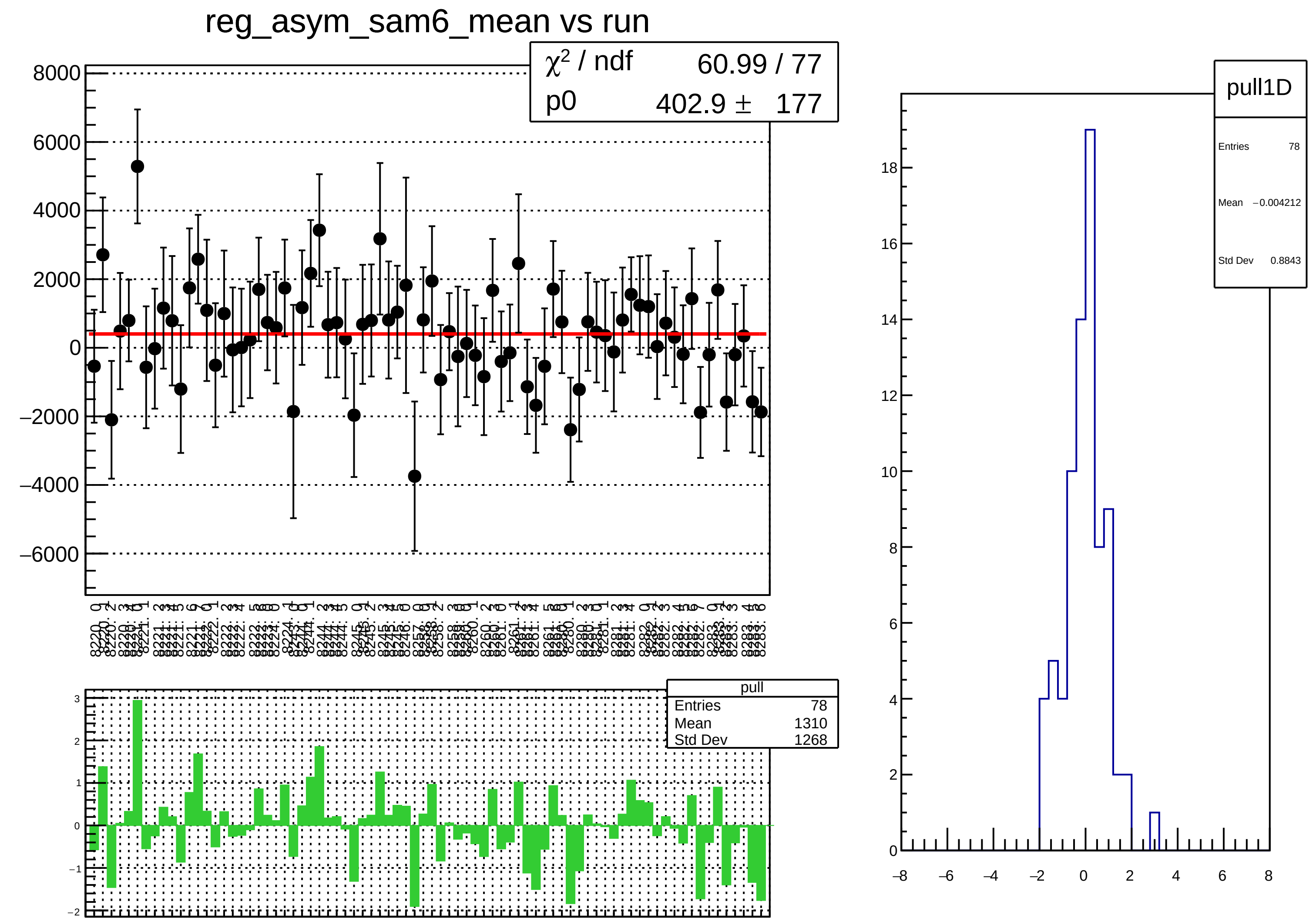


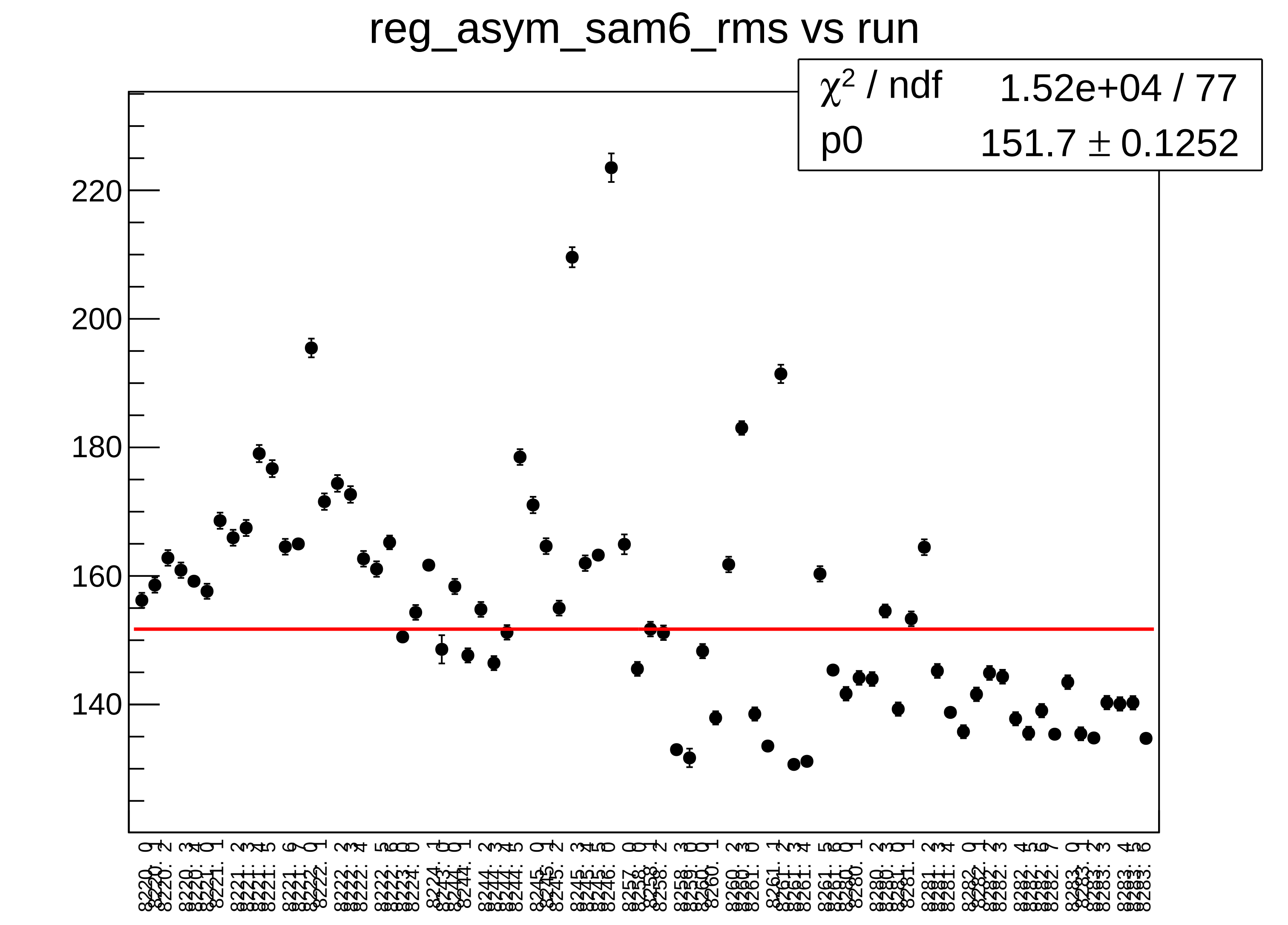
reg_asym_sam5_rms vs run
χ2 / ndf 1195 / 77
p0 148.7 ± 0.1221
160
155
150
145
140

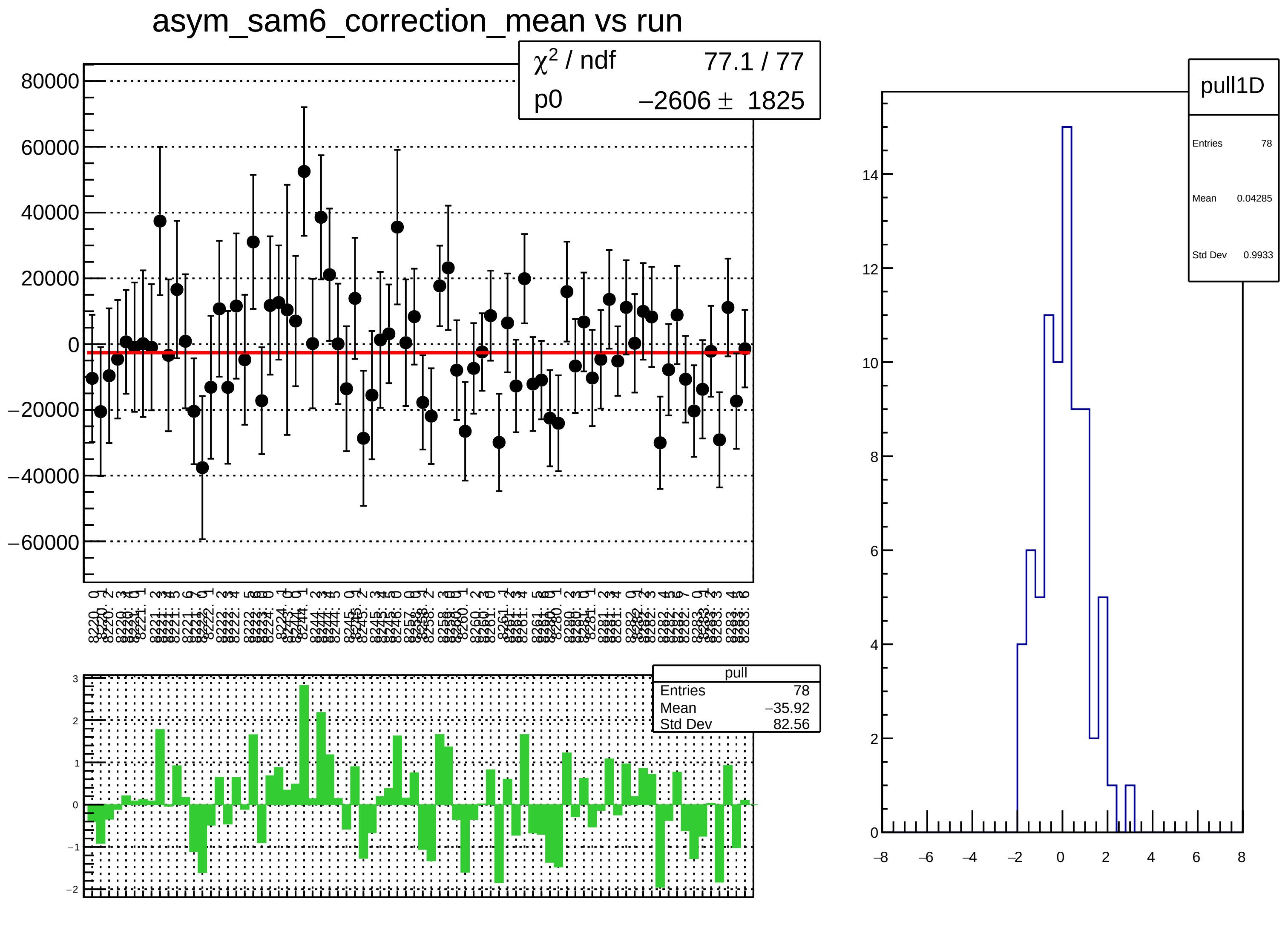


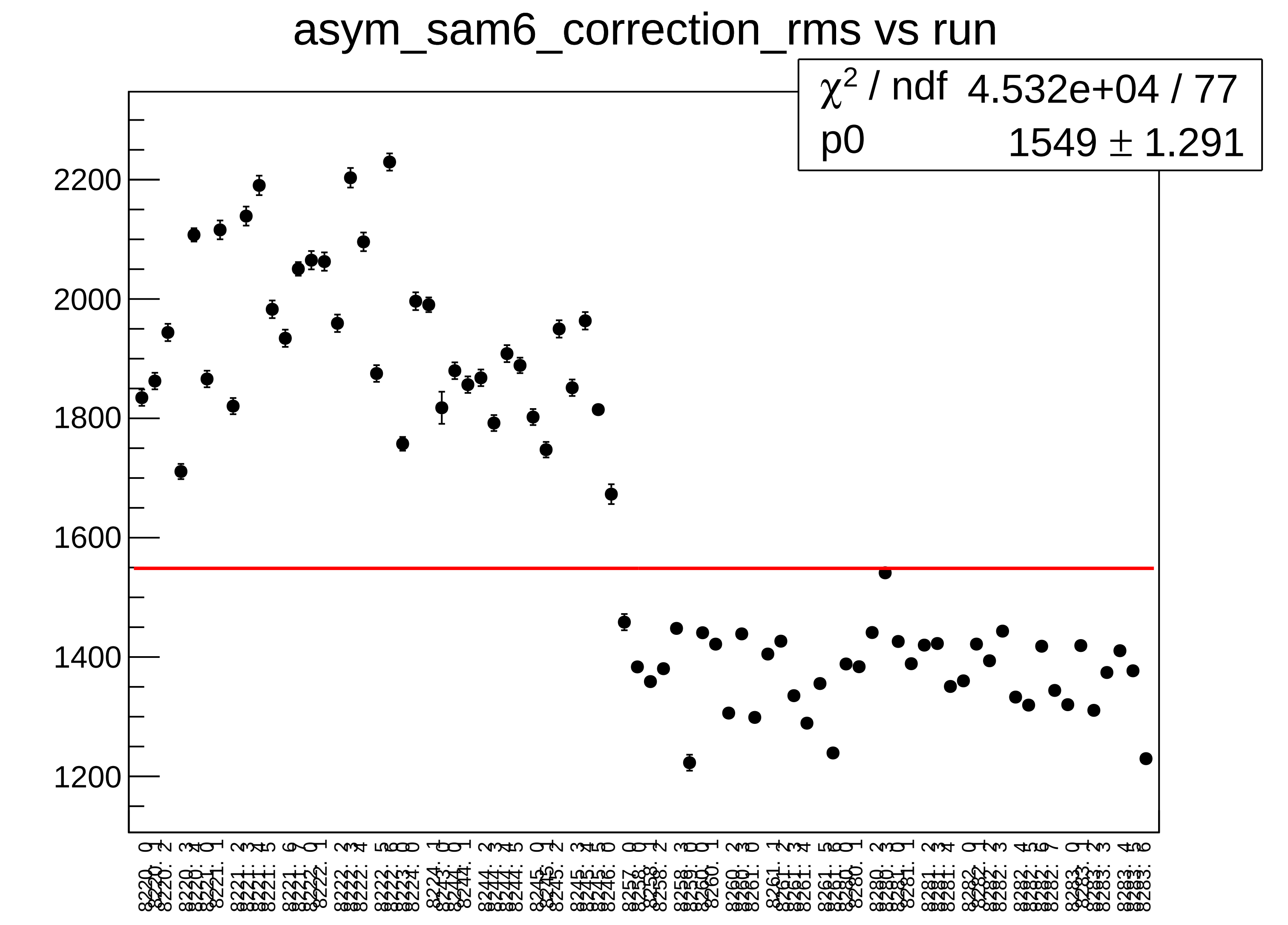
asym_sam5_correction_mean vs run
χ^2 / ndf 102.5 / 77
p0 −2718 ± 1312
pull
Entries 78
Mean 23.53
Std Dev 101.2
pull1D
Entries 78
Mean 0.01306
Std Dev 1.146

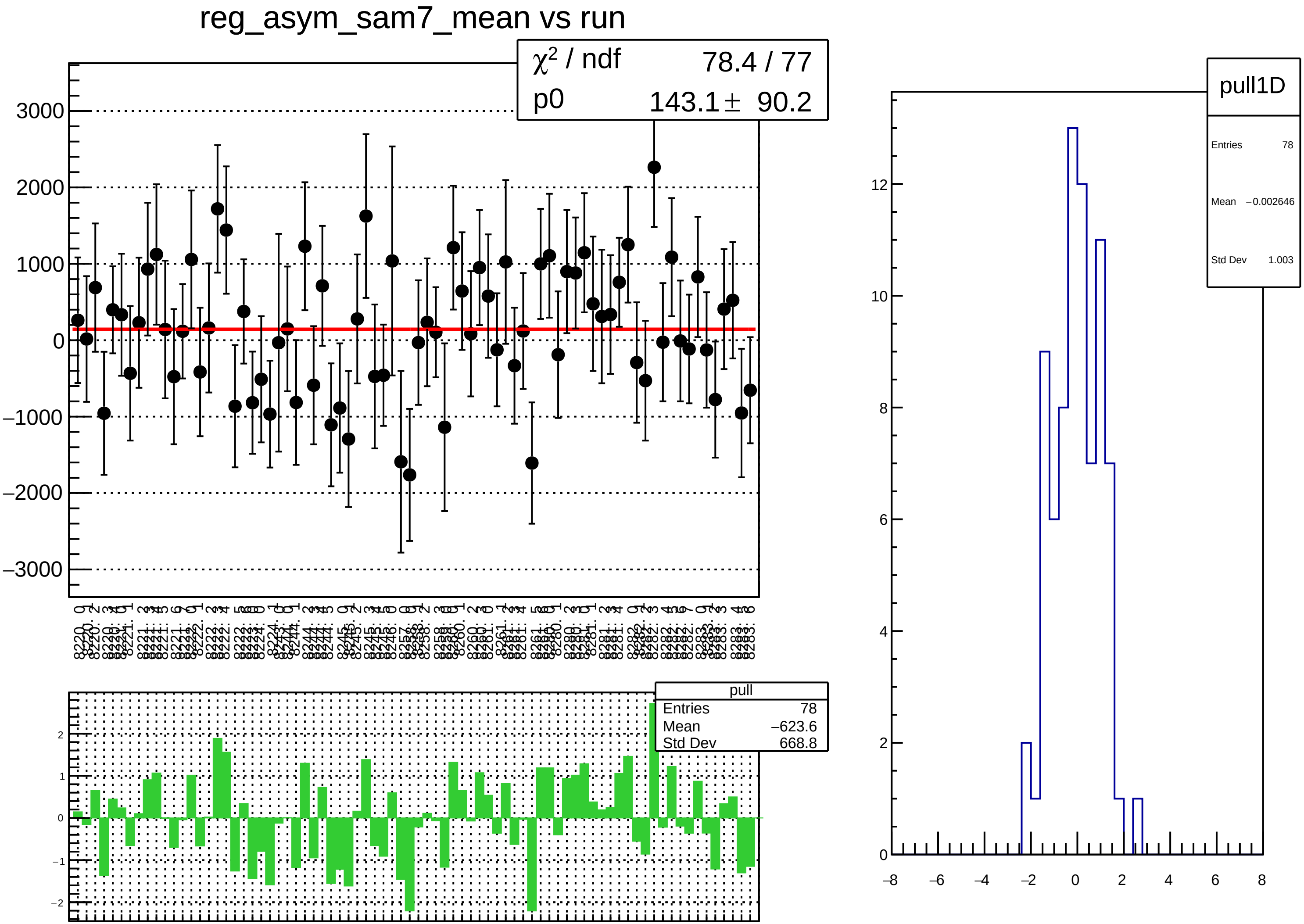

asym_sam5_correction_rms vs run
χ2 / ndf 2.467e+04 / 77
p0 1121 ± 0.9281
1500
1400
1300
1200
1100
1000
900


reg_asym_sam6_mean vs run
χ2 / ndf 60.99 / 77
p0 402.9 ± 177
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 78
Mean 1310
Std Dev 1268
pull1D
Entries 78
Mean −0.004212
Std Dev 0.8843

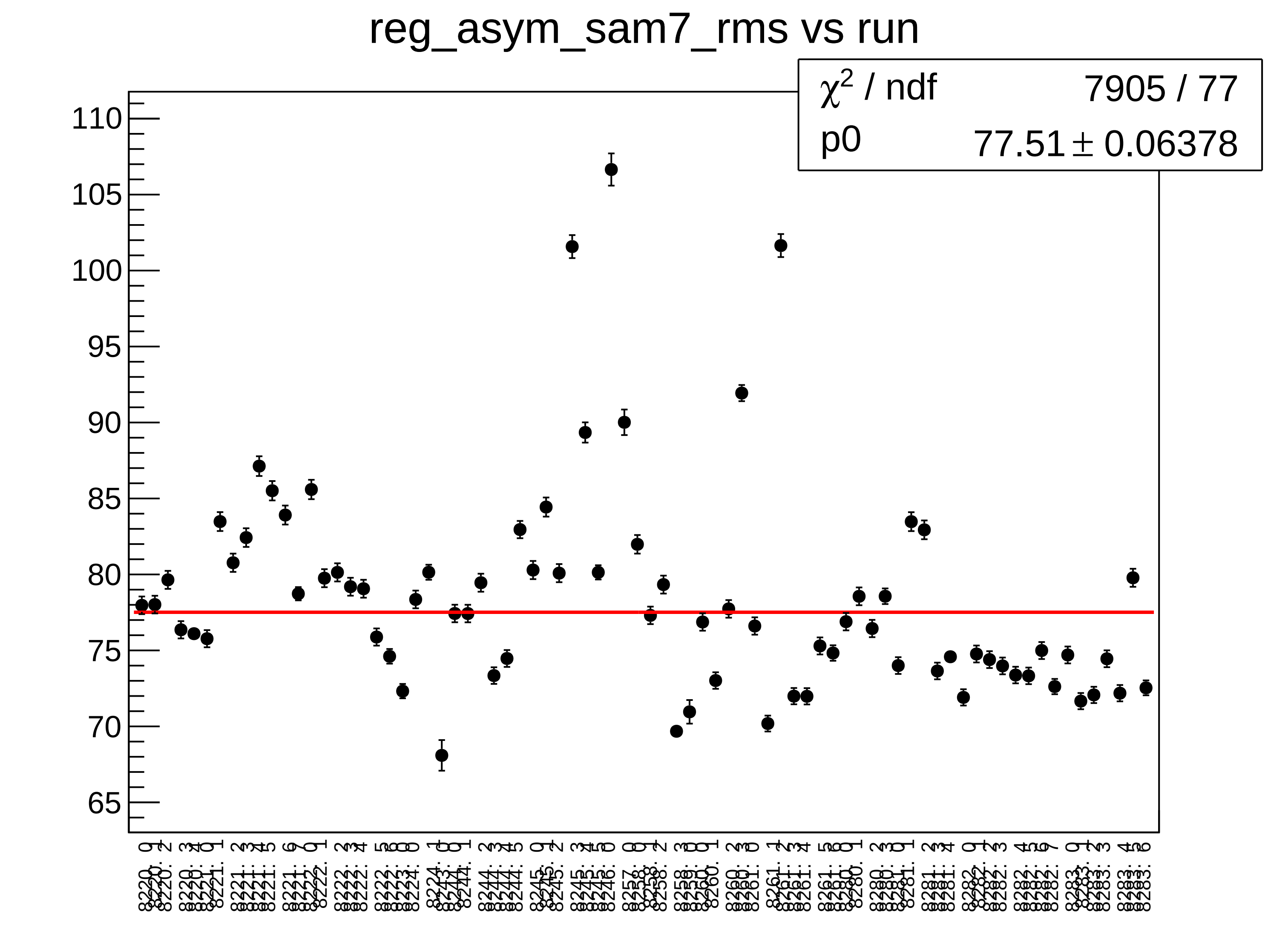

reg_asym_sam6_rms vs run
χ2 / ndf 1.52e+04 / 77
p0 151.7 ± 0.1252
220
200
180
160
140


asym_sam6_correction_mean vs run
χ^2 / ndf 77.1 / 77
p0 −2606 ± 1825
pull
Entries 78
Mean −35.92
Std Dev 82.56
pull1D
Entries 78
Mean 0.04285
Std Dev 0.9933

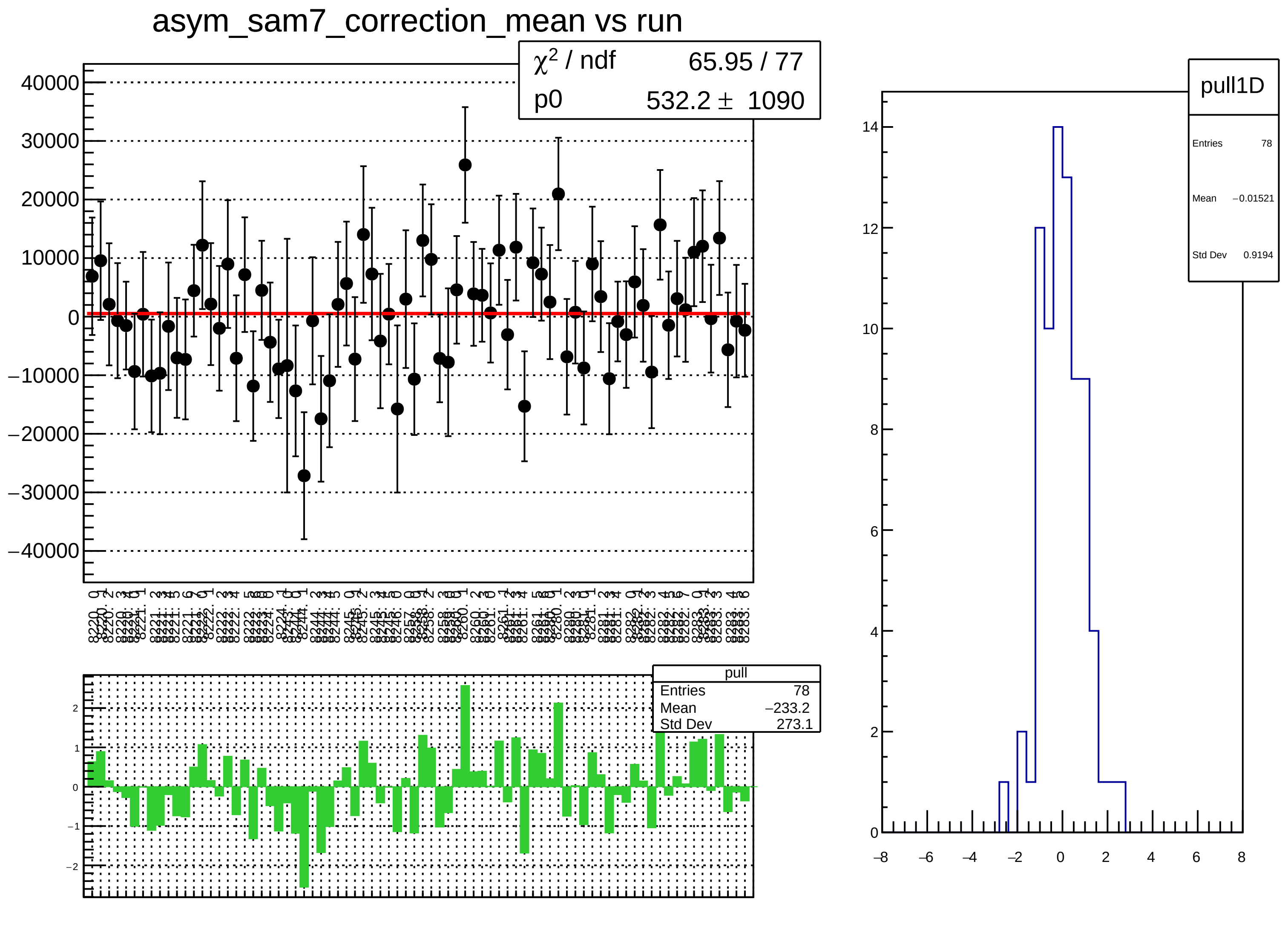

asym_sam6_correction_rms vs run
χ^2 / ndf 4.532e+04 / 77
p0 1549 ± 1.291
2200
2000
1800
1600
1400
1200

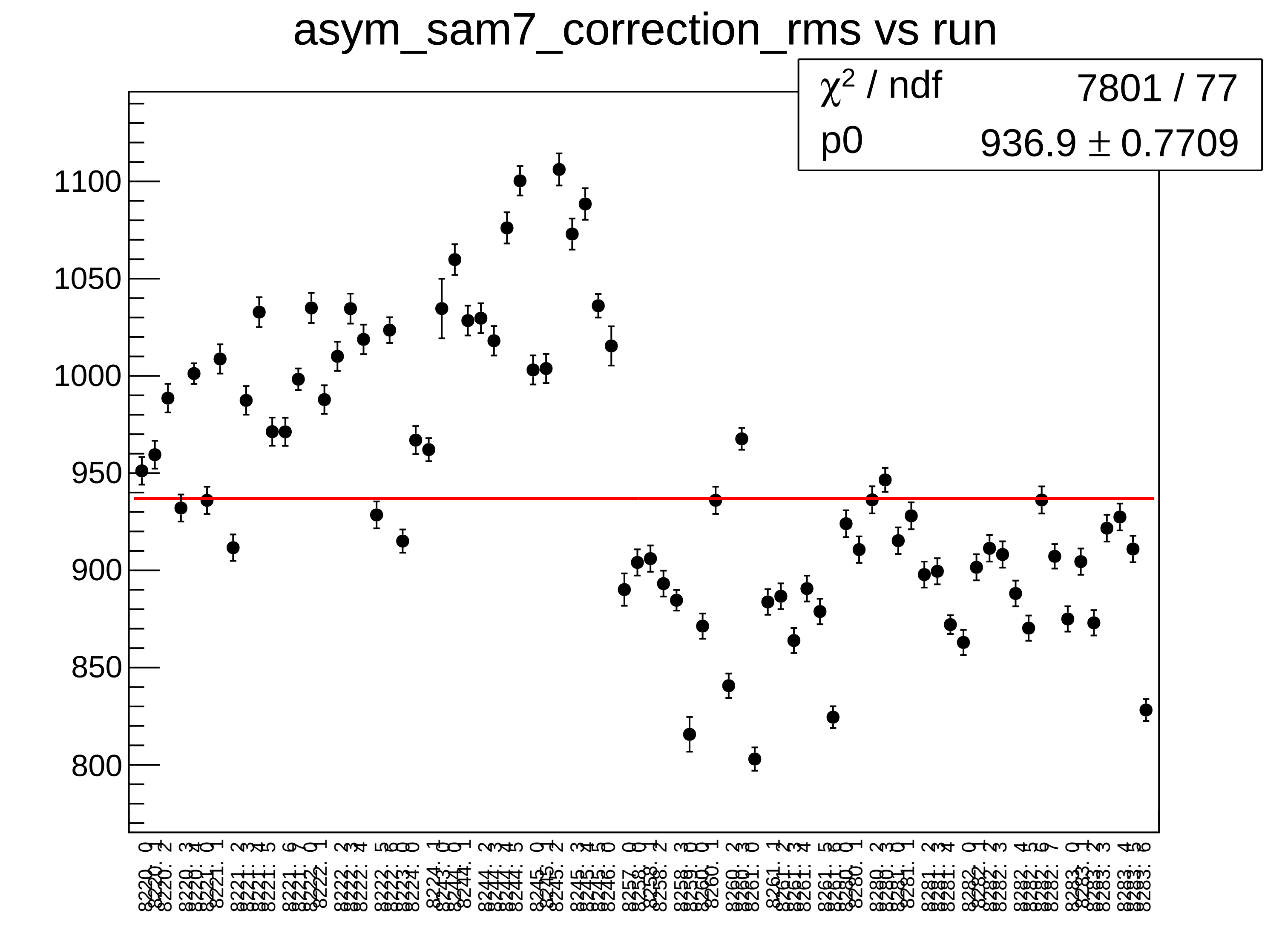


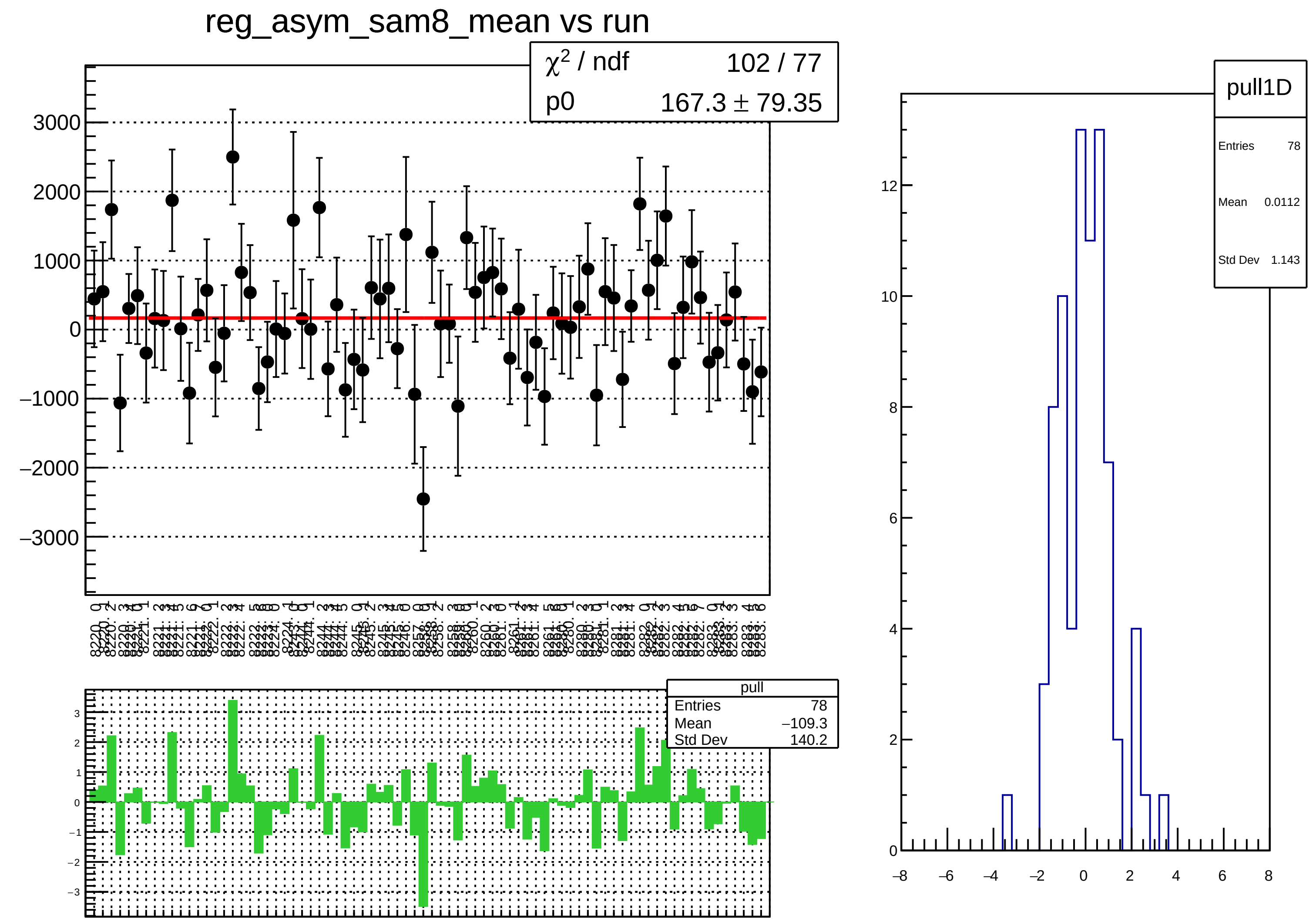
reg_asym_sam7_mean vs run
χ^2 / ndf 78.4 / 77
p0 143.1 ± 90.2
pull
Entries 78
Mean −623.6
Std Dev 668.8
pull1D
Entries 78
Mean −0.002646
Std Dev 1.003

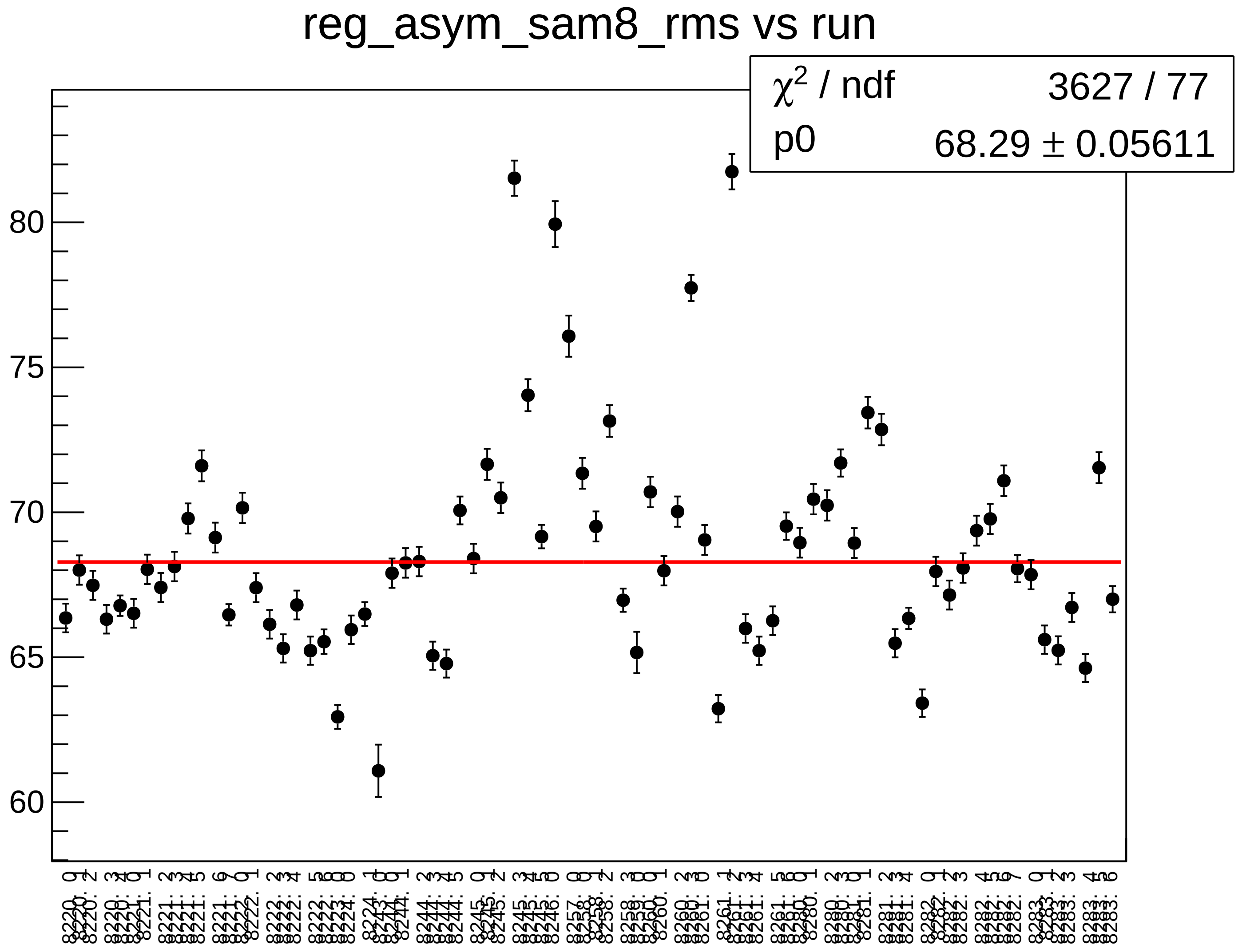


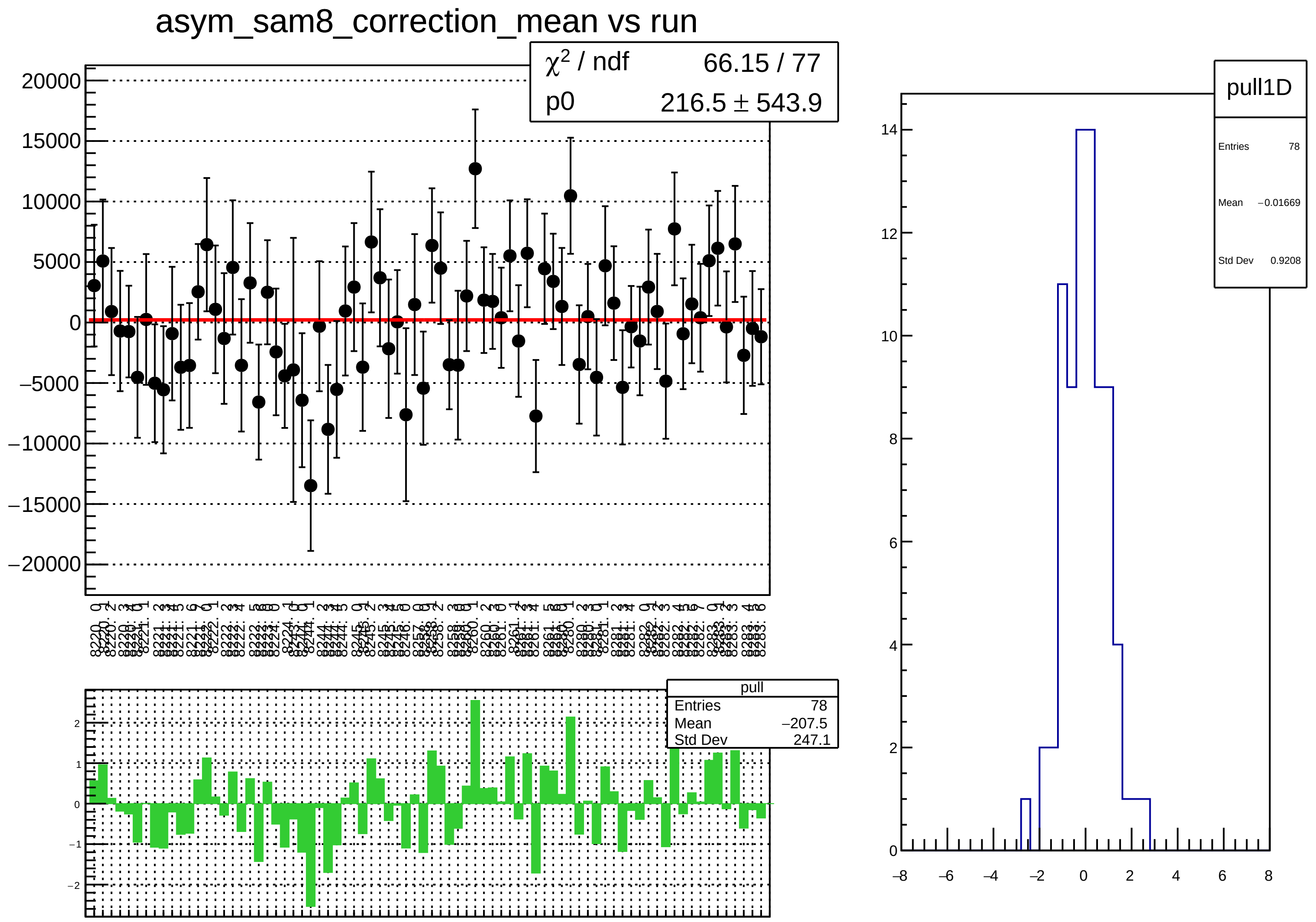
reg_asym_sam7_rms vs run
χ^2 / ndf 7905 / 77
p0 77.51 ± 0.06378
110
105
100
95
90
85
80
75
70
65


asym_sam7_correction_mean vs run
χ^2 / ndf 65.95 / 77
p0 532.2 ± 1090
pull
Entries 78
Mean −233.2
Std Dev 273.1
pull1D
Entries 78
Mean −0.01521
Std Dev 0.9194

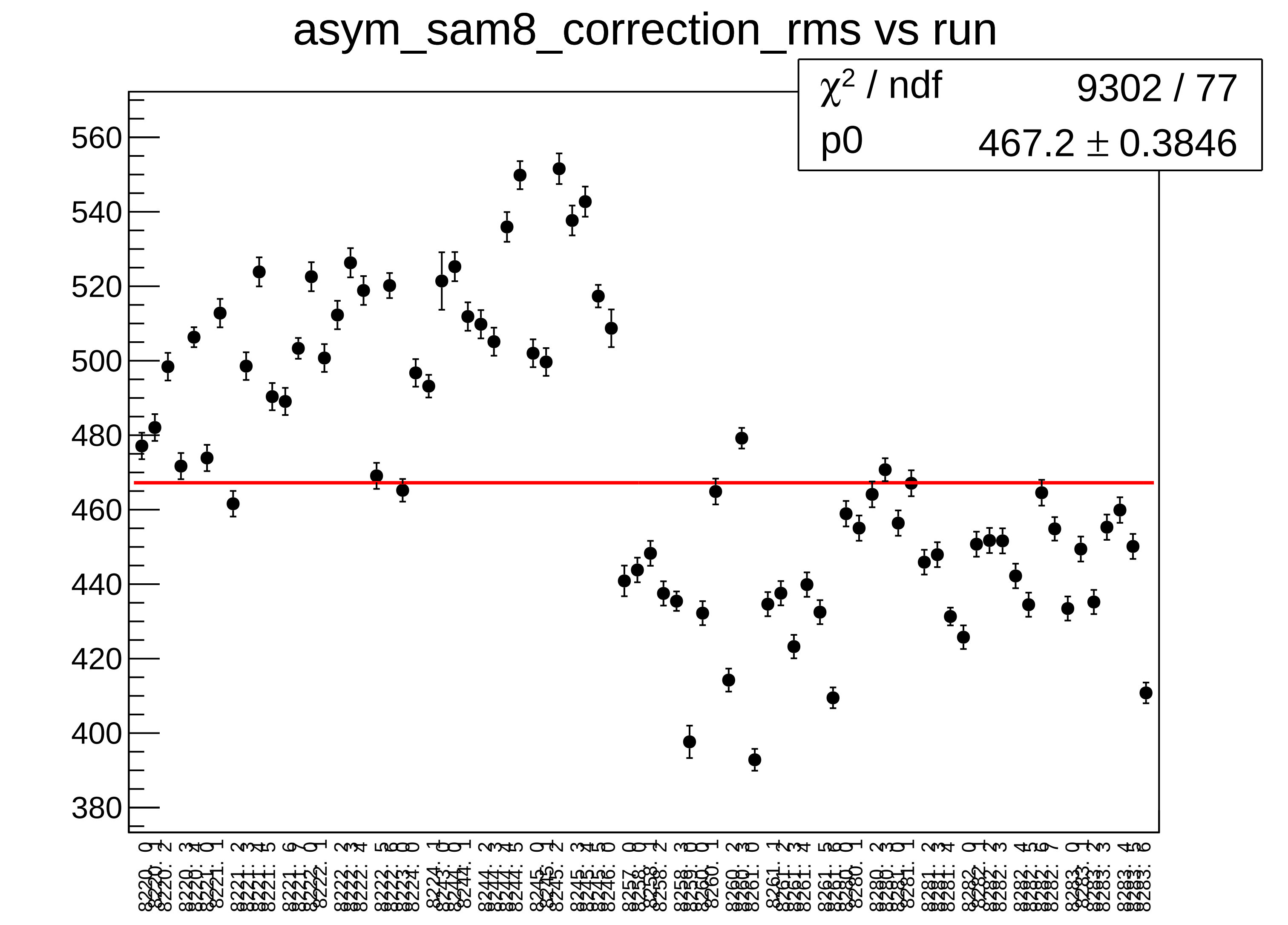

asym_sam7_correction_rms vs run
χ2 / ndf 7801 / 77
p0 936.9 ± 0.7709
1100
1050
1000
950
900
850
800


reg_asym_sam8_mean vs run
χ^2 / ndf 102 / 77
p0 167.3 ± 79.35
pull
Entries 78
Mean −109.3
Std Dev 140.2
pull1D
Entries 78
Mean 0.0112
Std Dev 1.143

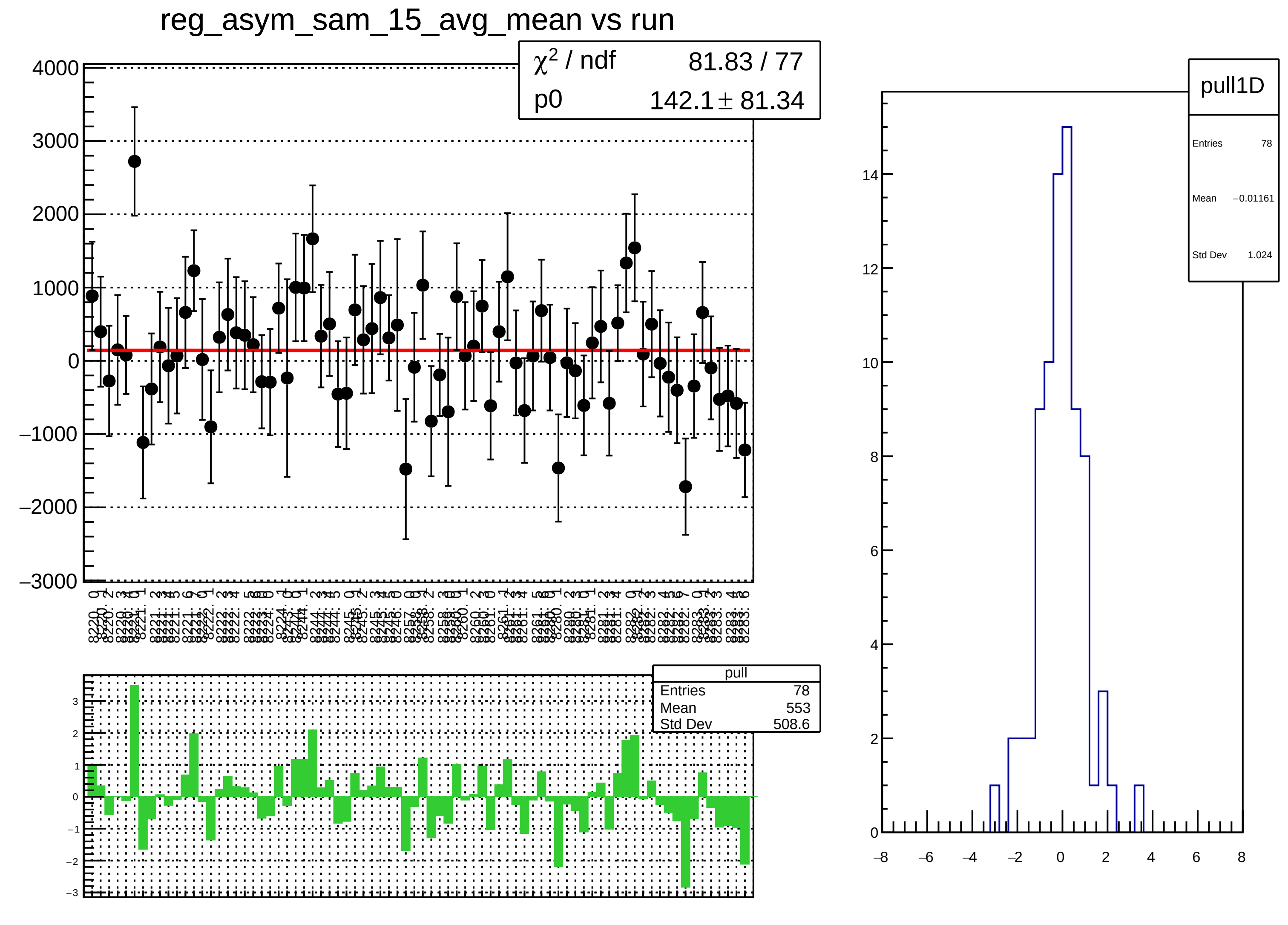

reg_asym_sam8_rms vs run
χ2 / ndf 3627 / 77
p0 68.29 ± 0.05611
80
75
70
65
60



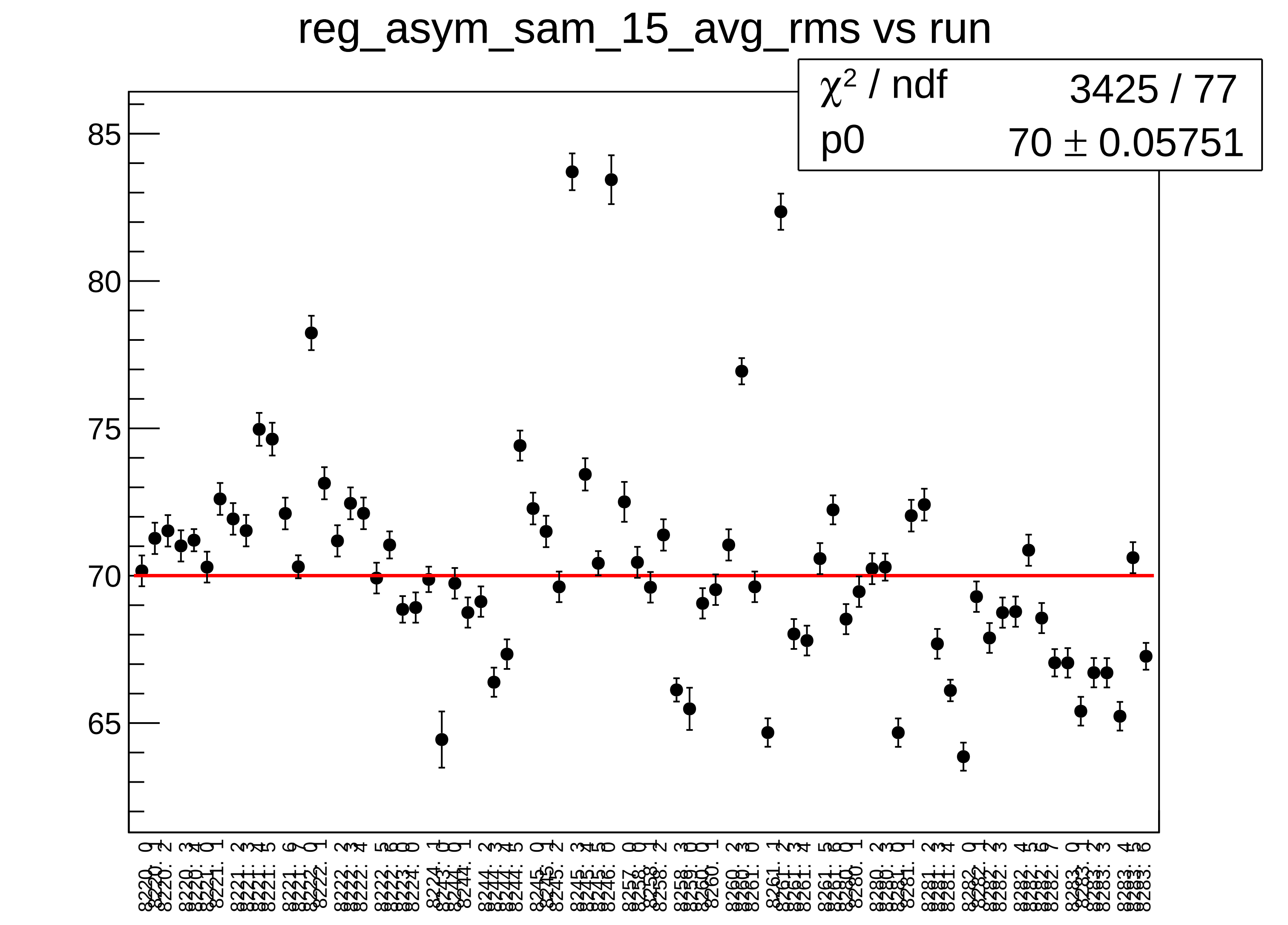
asym_sam8_correction_mean vs run
χ^2 / ndf 66.15 / 77
p0 216.5 ± 543.9
pull1D
Entries 78
Mean −0.01669
Std Dev 0.9208
pull
Entries 78
Mean −207.5
Std Dev 247.1



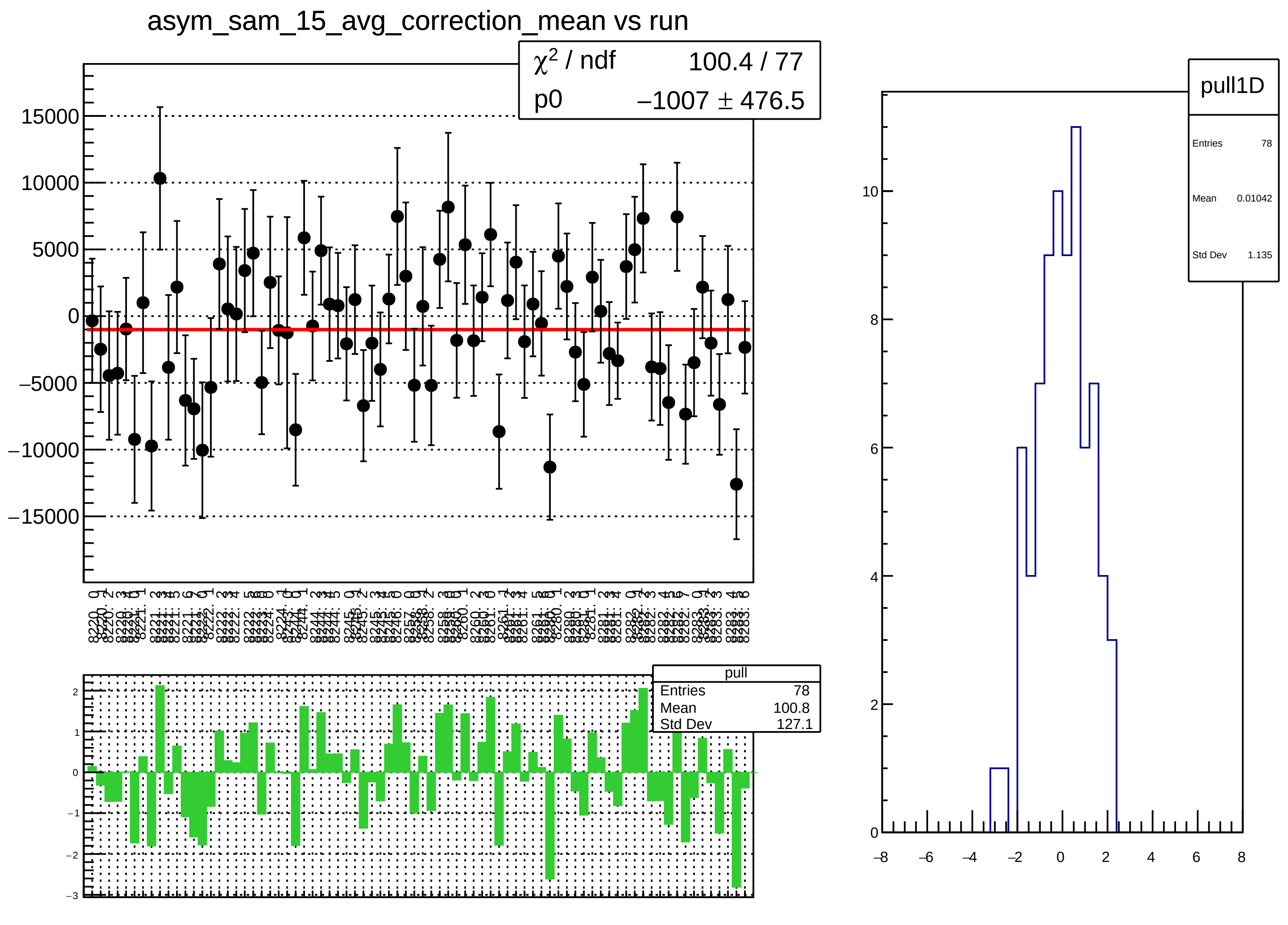
asym_sam8_correction_rms vs run
χ^2 / ndf 9302 / 77
p0 467.2 ± 0.3846
560
540
520
500
480
460
440
420
400
380



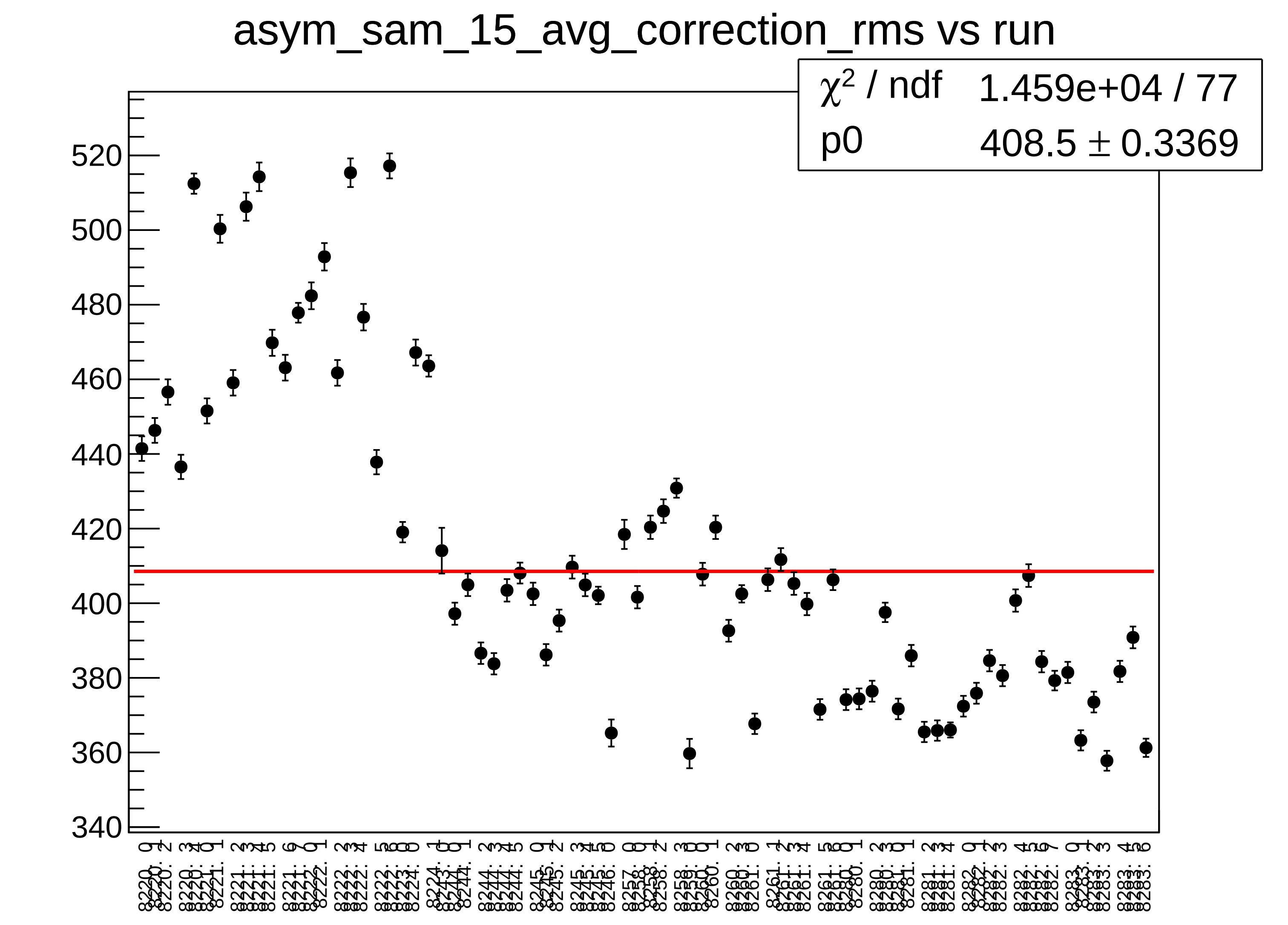
reg_asym_sam_15_avg_mean vs run
χ2 / ndf 81.83 / 77
p0 142.1 ± 81.34
pull
Entries 78
Mean 553
Std Dev 508.6
pull1D
Entries 78
Mean −0.01161
Std Dev 1.024

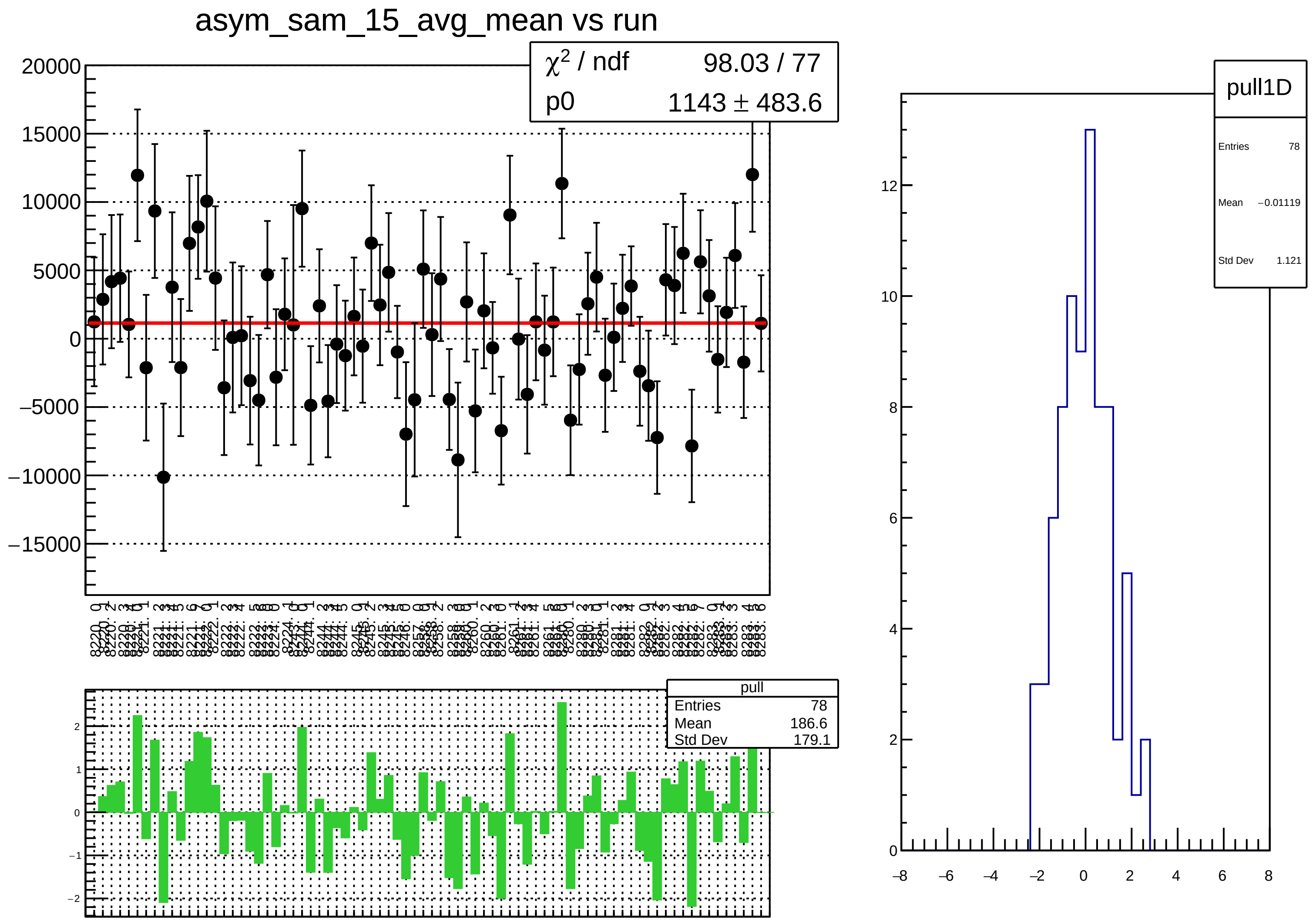


reg_asym_sam_15_avg_rms vs run
χ2 / ndf 3425 / 77
p0 70 ± 0.05751
85
80
75
70
65

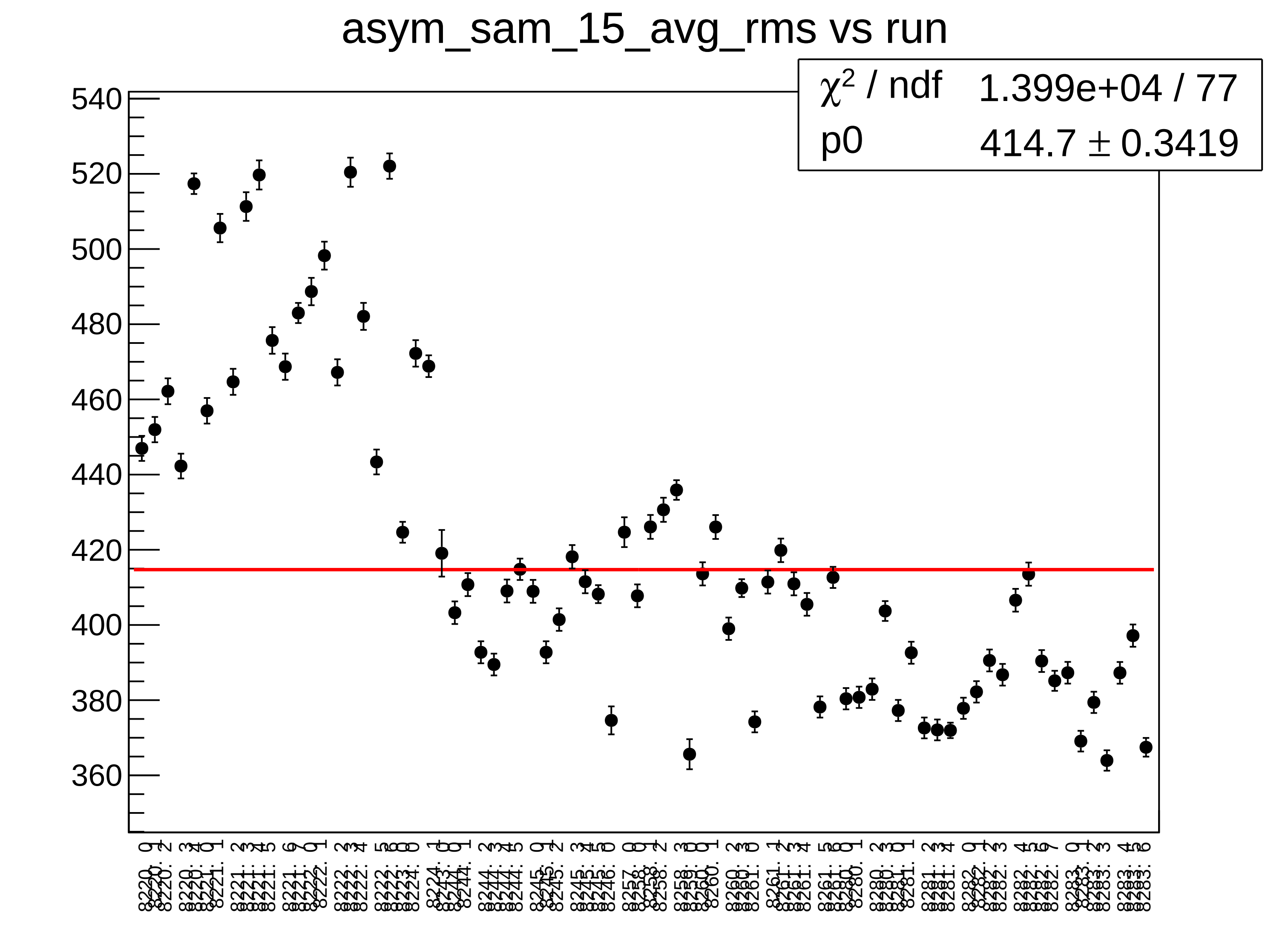


asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 100.4 / 77
p0 −1007 ± 476.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 100.8
Std Dev 127.1
pull1D
Entries 78
Mean 0.01042
Std Dev 1.135

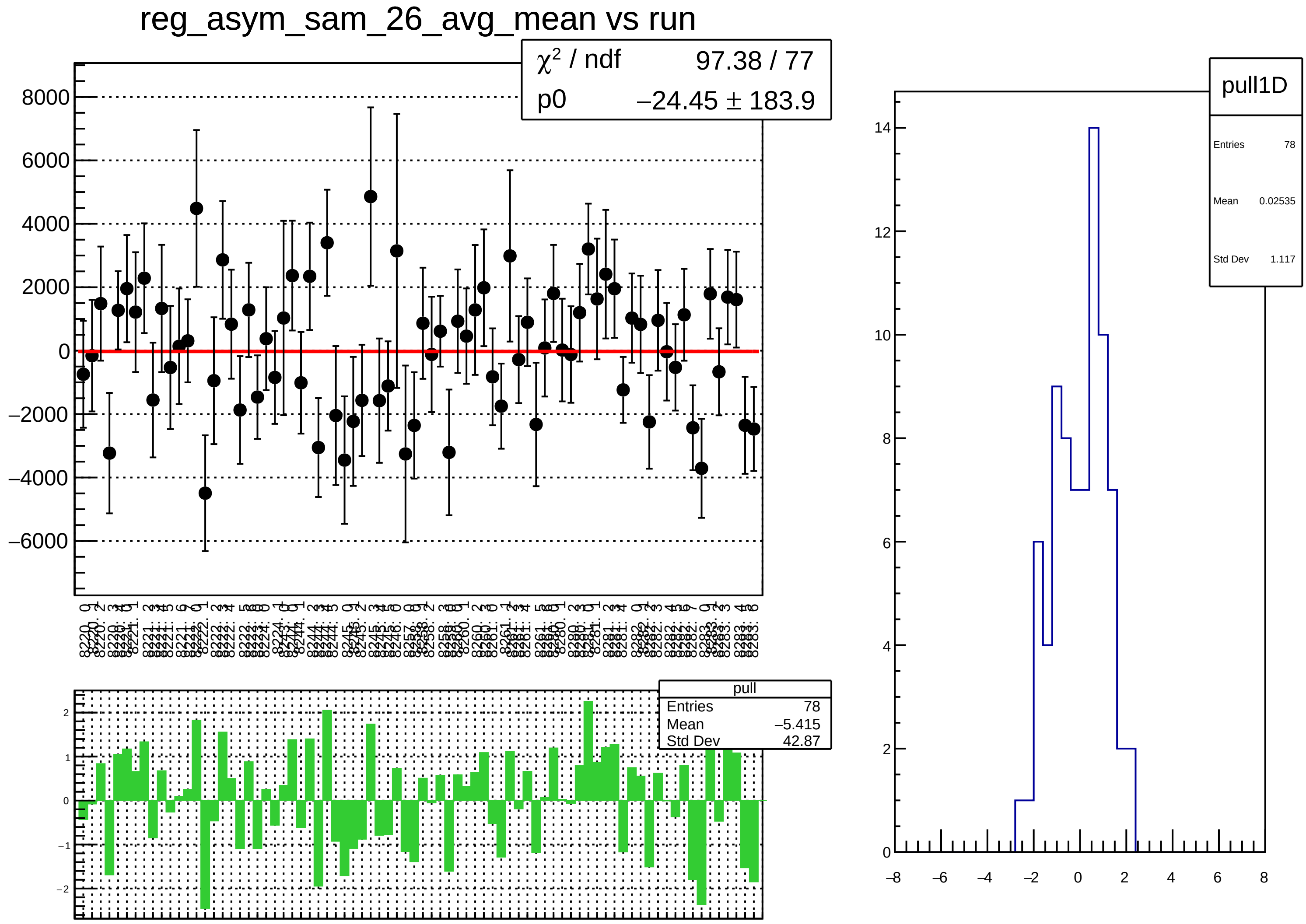

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.459e+04 / 77
p0 408.5 ± 0.3369
520
500
480
460
440
420
400
380
360
340



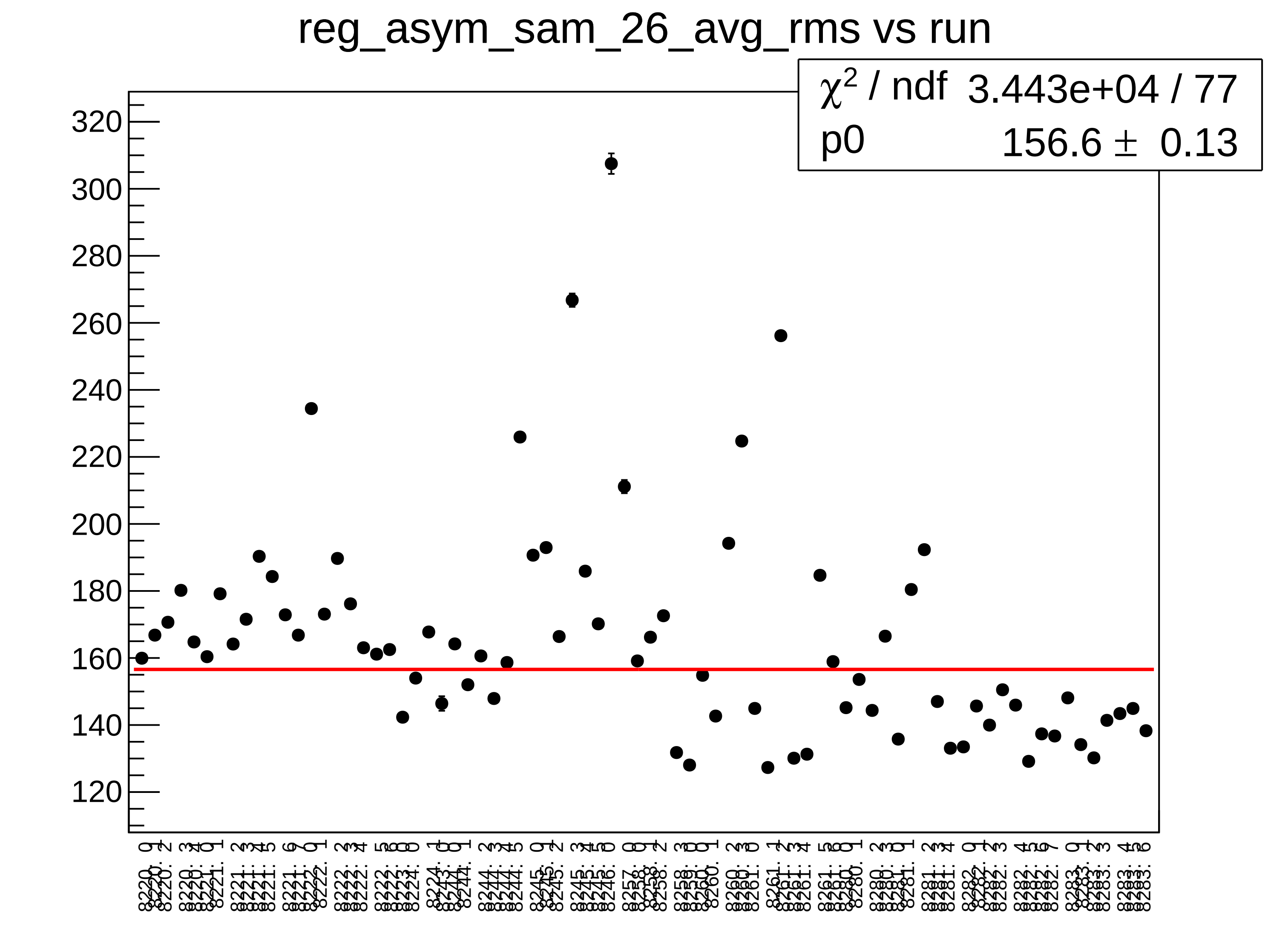
asym_sam_15_avg_mean vs run
χ^2 / ndf 98.03 / 77
p0 1143 ± 483.6
pull
Entries 78
Mean 186.6
Std Dev 179.1
pull1D
Entries 78
Mean −0.01119
Std Dev 1.121

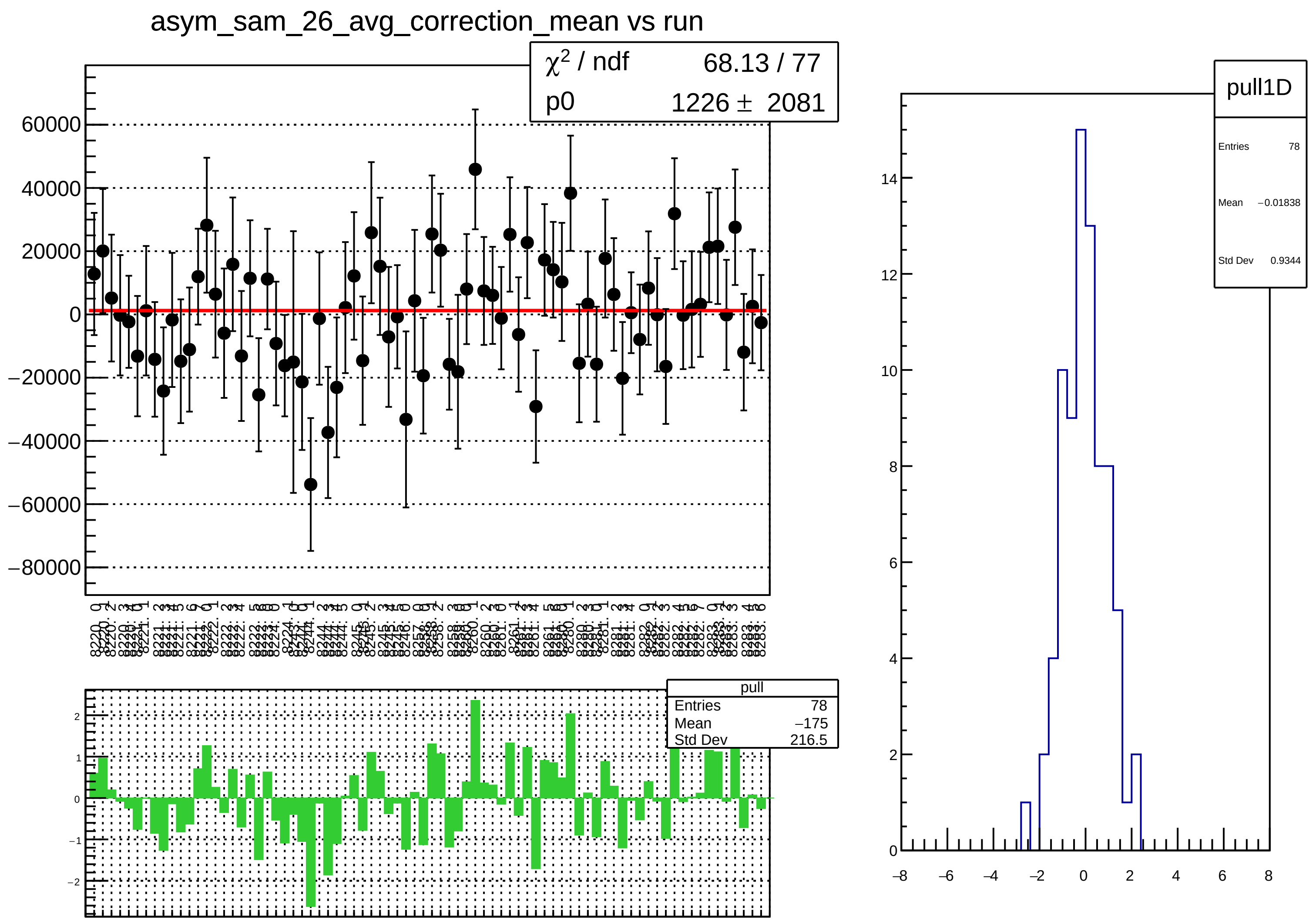


asym_sam_15_avg_rms vs run
χ^2 / ndf 1.399e+04 / 77
p0 414.7 ± 0.3419
540
520
500
480
460
440
420
400
380
360

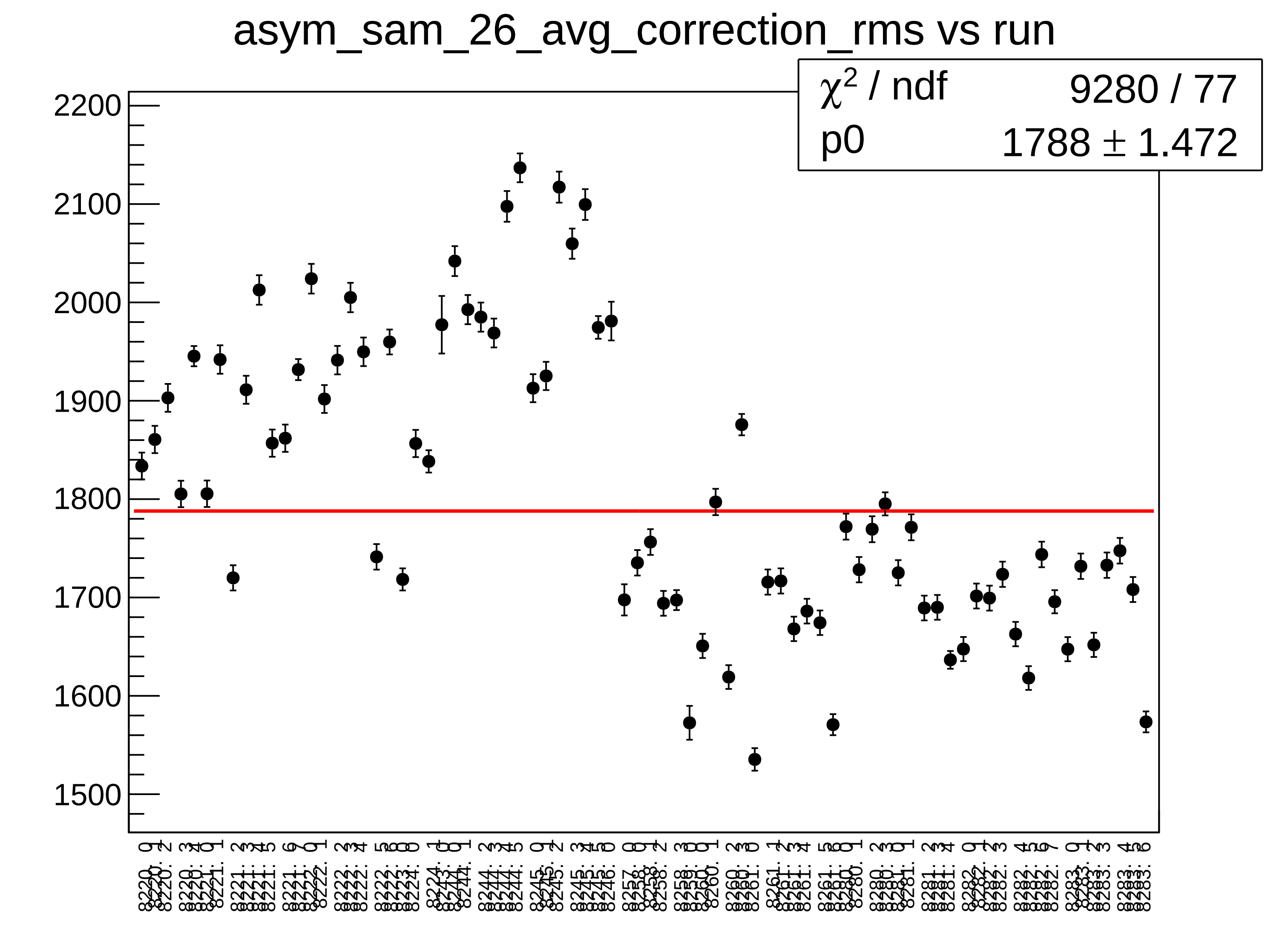


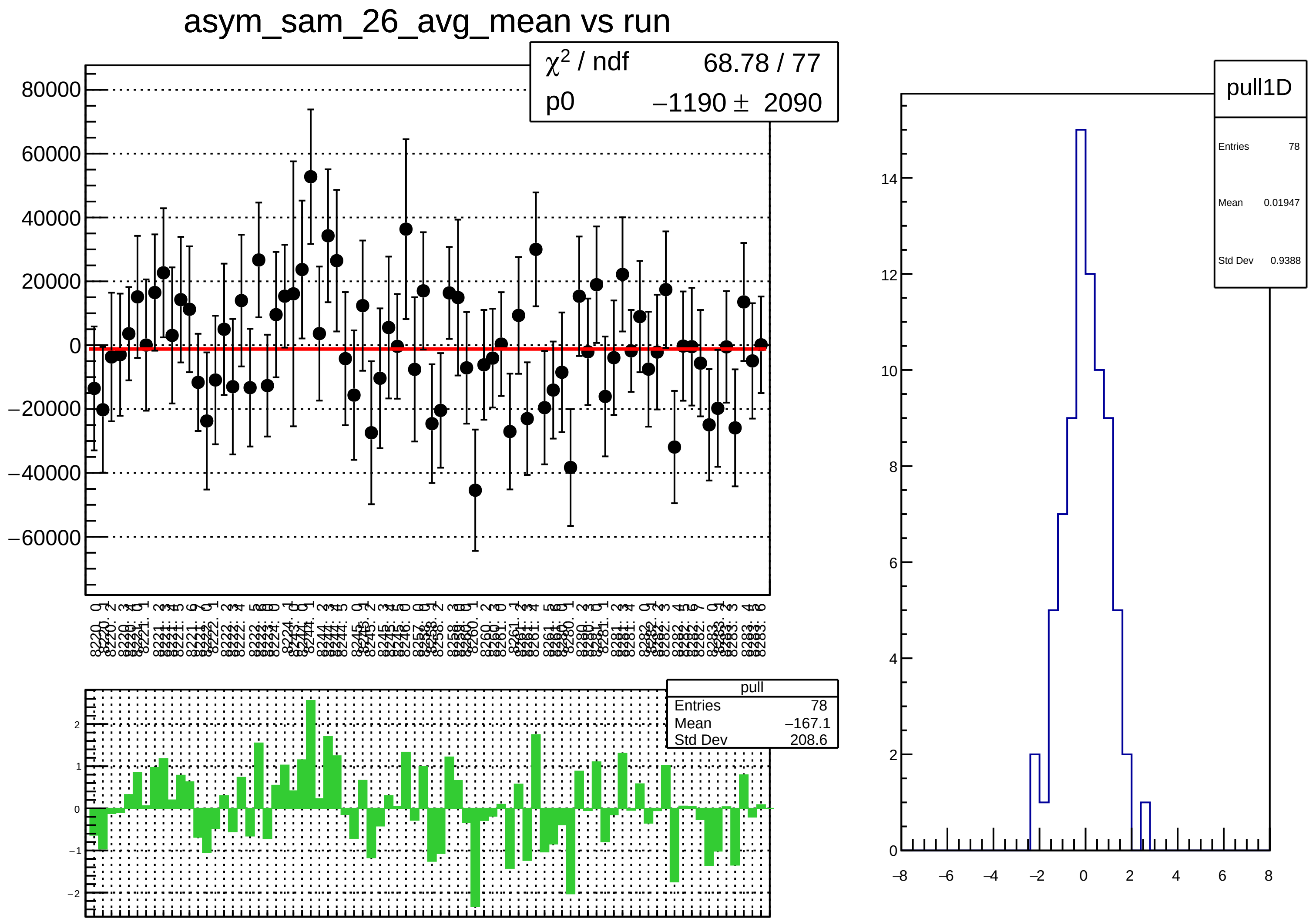
reg_asym_sam_26_avg_mean vs run
χ^2 / ndf 97.38 / 77
p0 −24.45 ± 183.9
pull
Entries 78
Mean −5.415
Std Dev 42.87
pull1D
Entries 78
Mean 0.02535
Std Dev 1.117


reg_asym_sam_26_avg_rms vs run
χ2 / ndf 3.443e+04 / 77
p0 156.6 ± 0.13
320
300
280
260
240
220
200
180
160
140
120

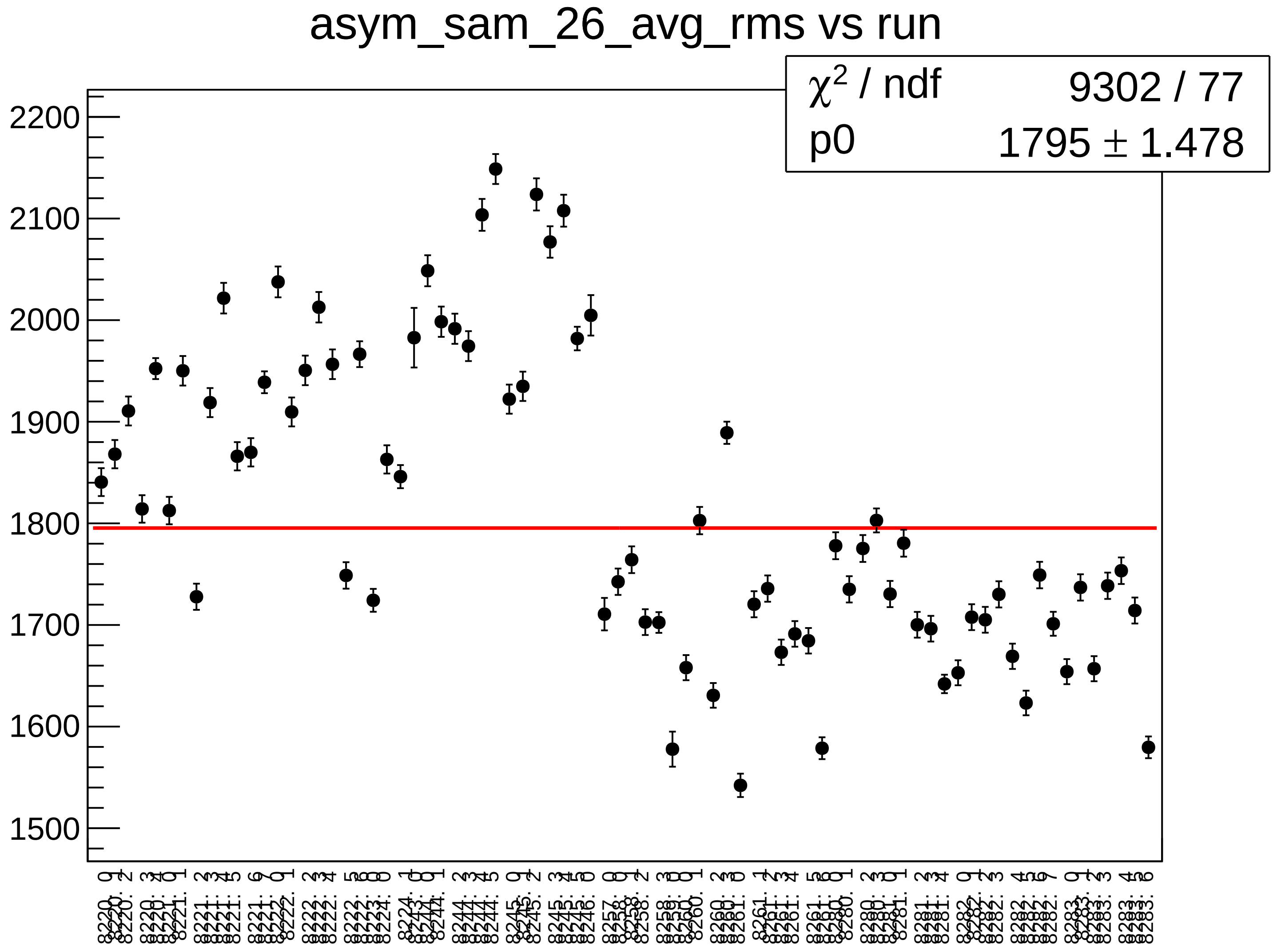


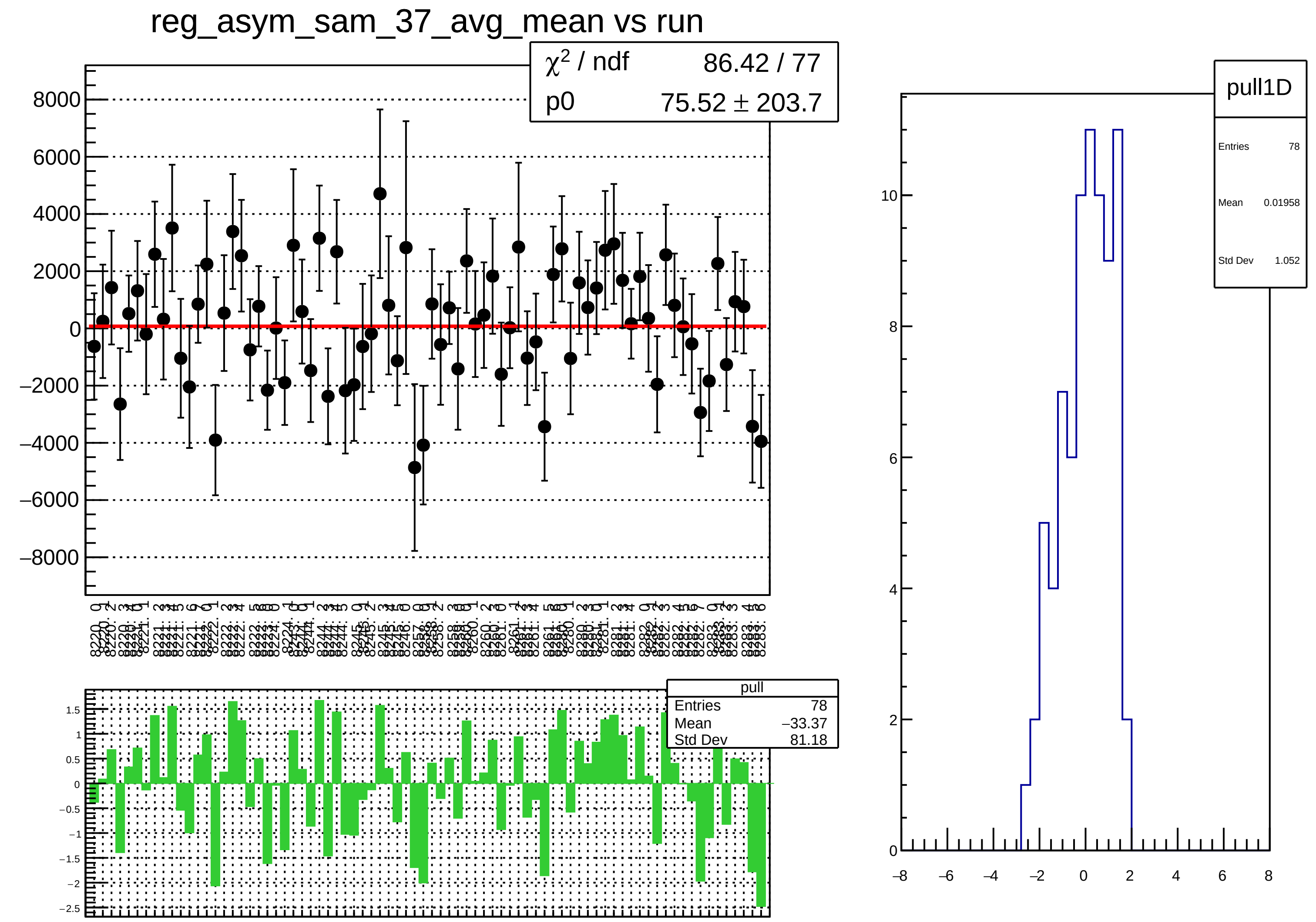
asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 68.13 / 77
p0 1226 ± 2081
pull
Entries 78
Mean −175
Std Dev 216.5
pull1D
Entries 78
Mean −0.01838
Std Dev 0.9344


asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 9280 / 77
p0 1788 ± 1.472
2200
2100
2000
1900
1800
1700
1600
1500

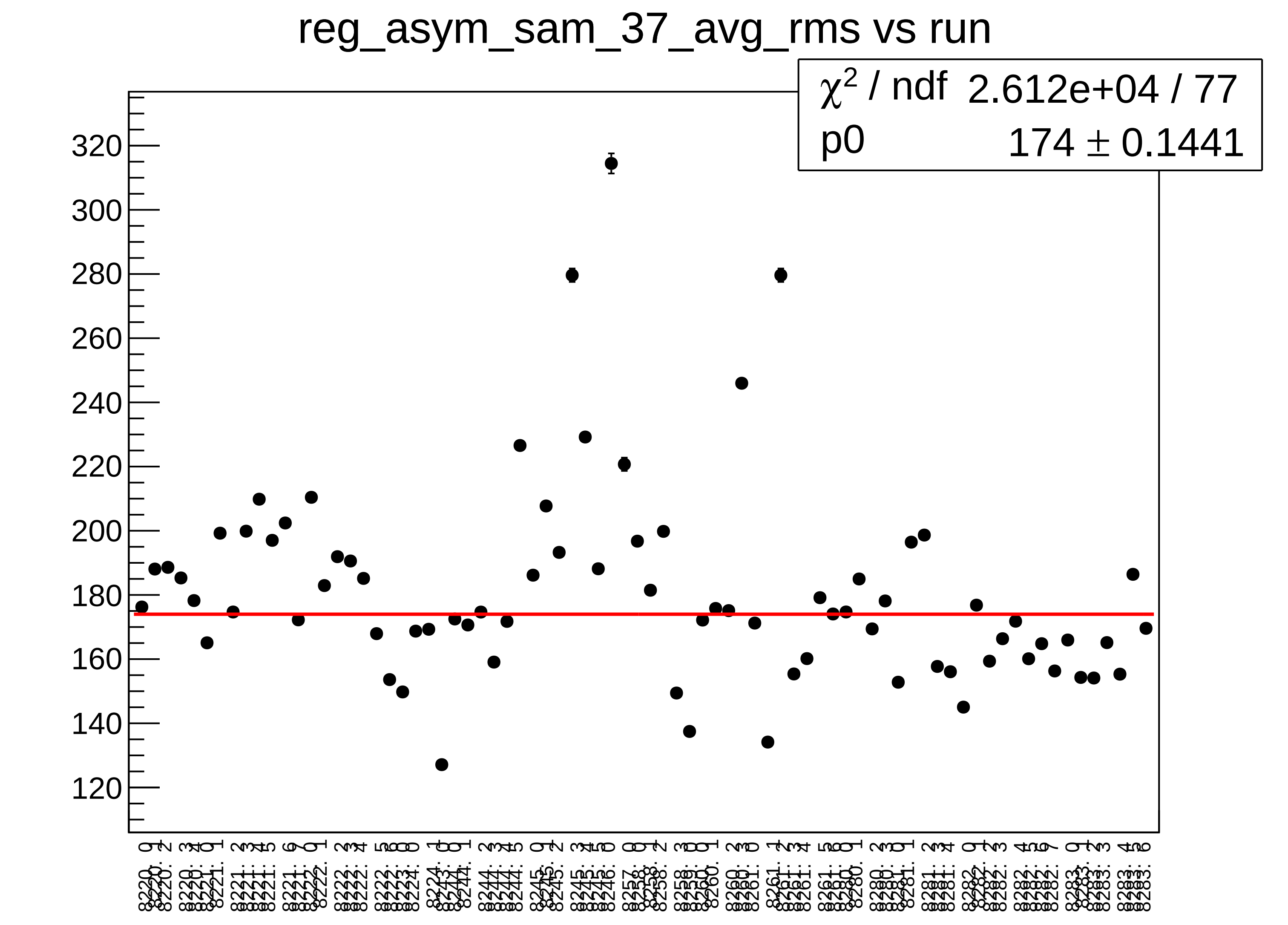


asym_sam_26_avg_mean vs run
χ^2 / ndf 68.78 / 77
p0 −1190 ± 2090
pull
Entries 78
Mean −167.1
Std Dev 208.6
pull1D
Entries 78
Mean 0.01947
Std Dev 0.9388

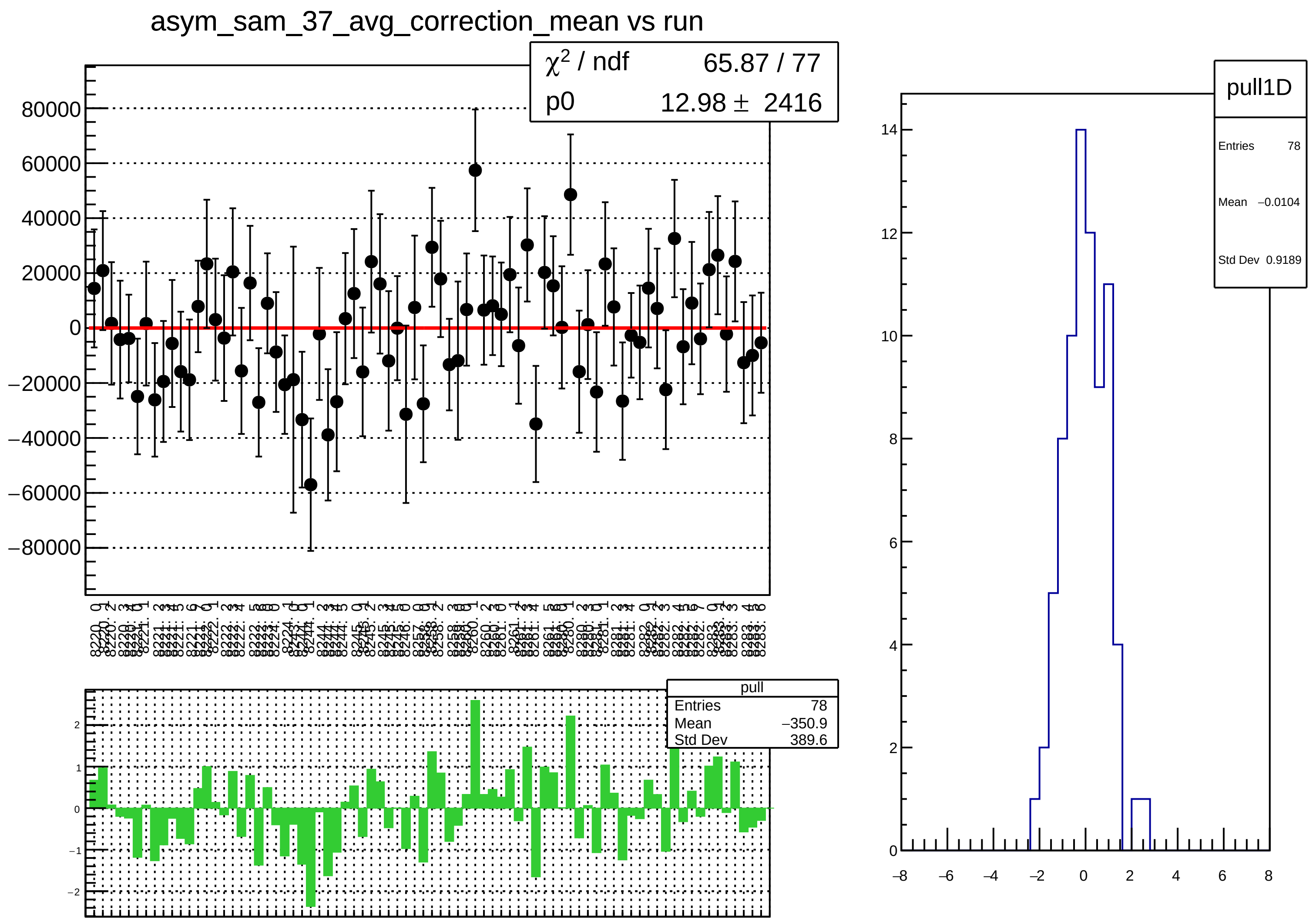

asym_sam_26_avg_rms vs run
χ^2 / ndf 9302 / 77
p0 1795 ± 1.478
2200
2100
2000
1900
1800
1700
1600
1500

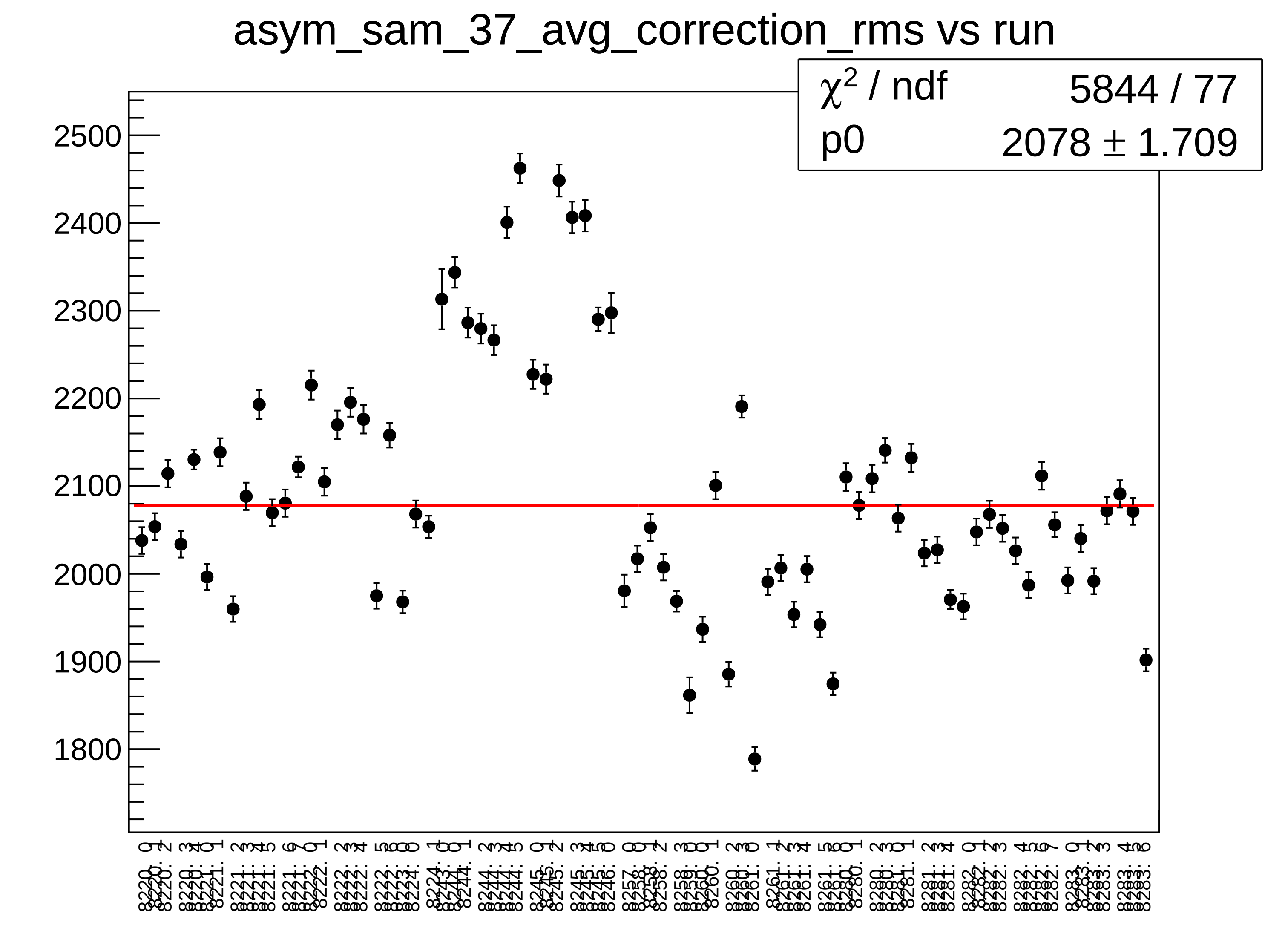


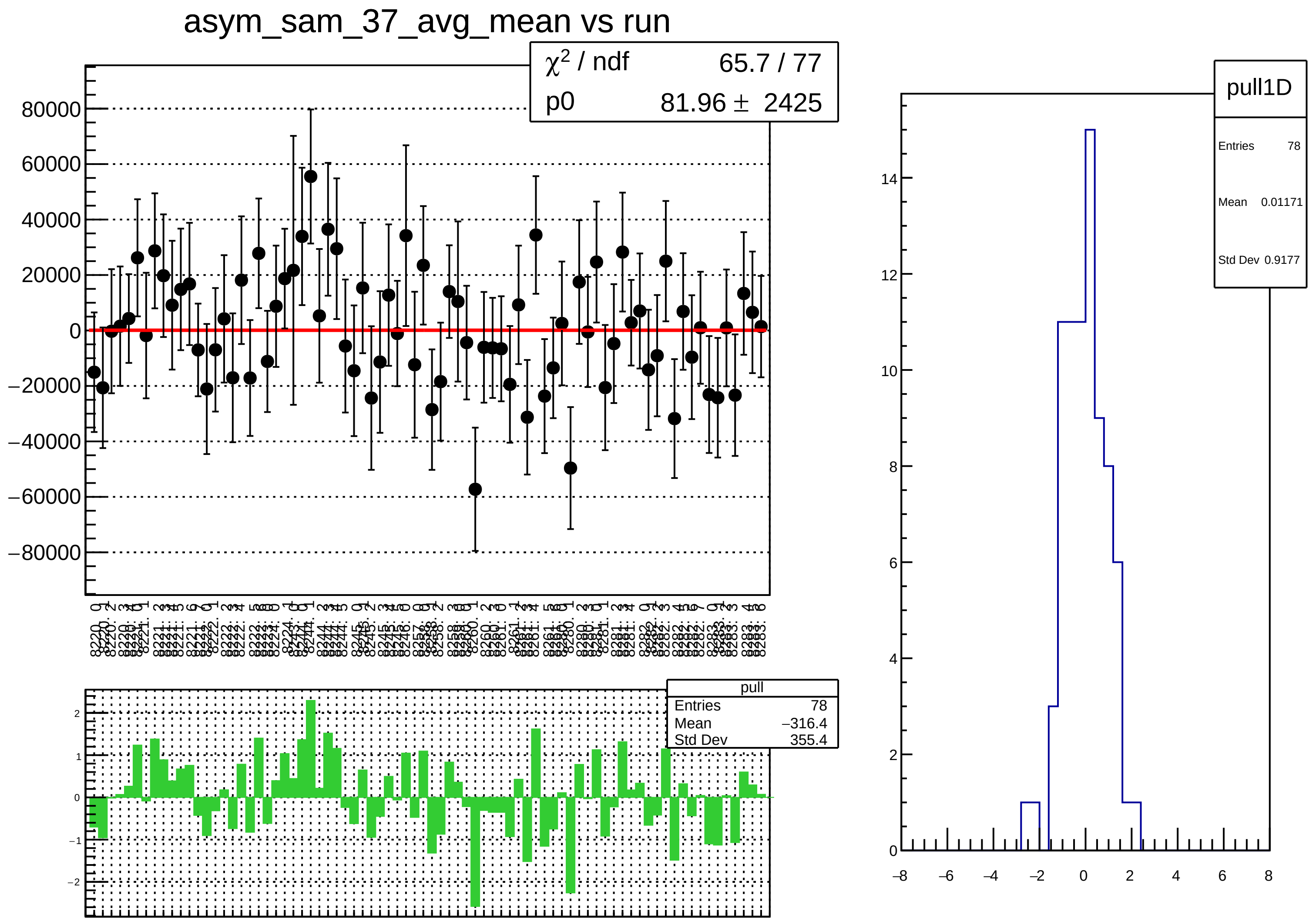
reg_asym_sam_37_avg_mean vs run
χ^2 / ndf 86.42 / 77
p0 75.52 ± 203.7
pull
Entries 78
Mean −33.37
Std Dev 81.18
pull1D
Entries 78
Mean 0.01958
Std Dev 1.052



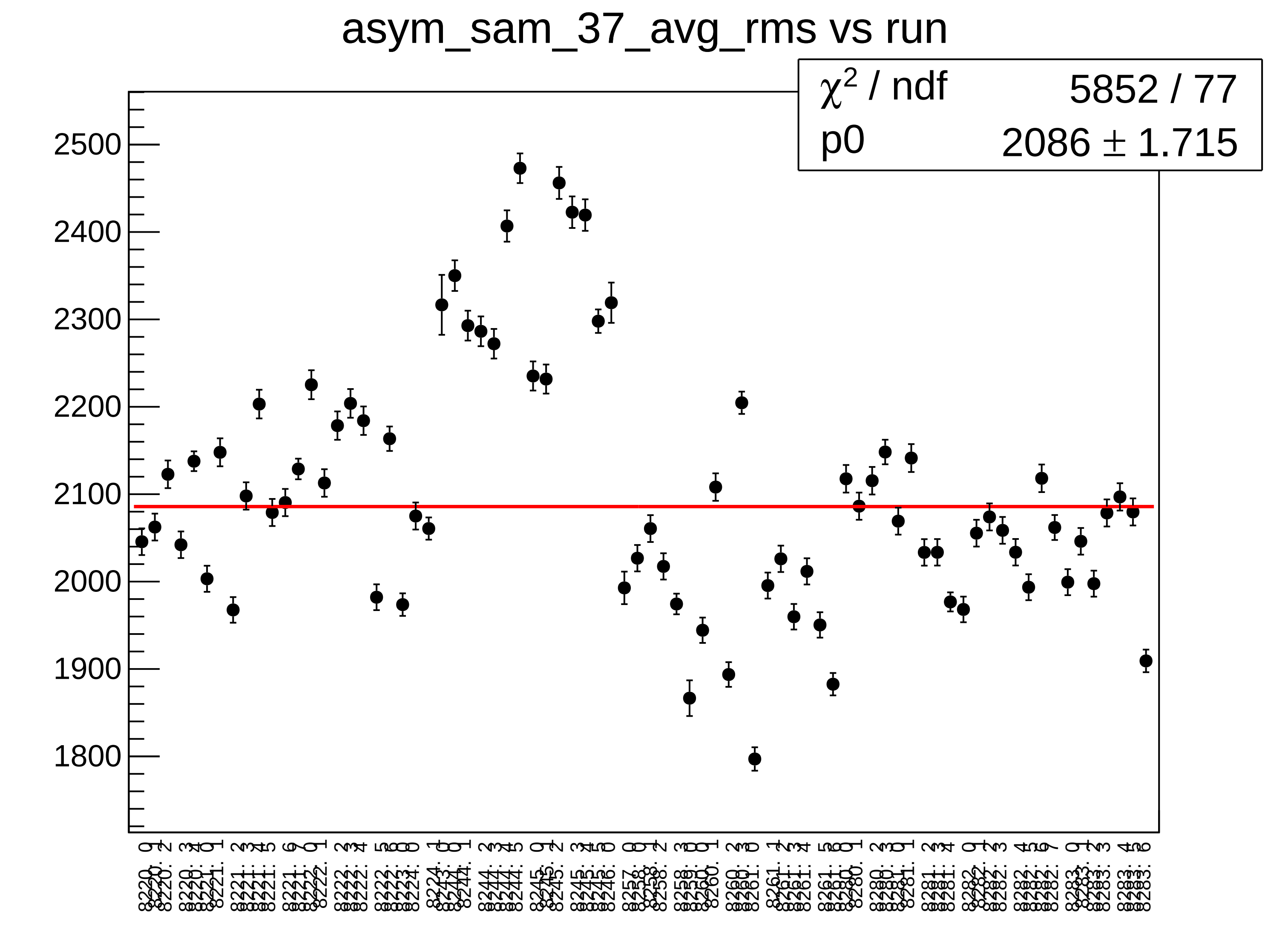
reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.612e+04 / 77
p0 174 ± 0.1441
320
300
280
260
240
220
200
180
160
140
120

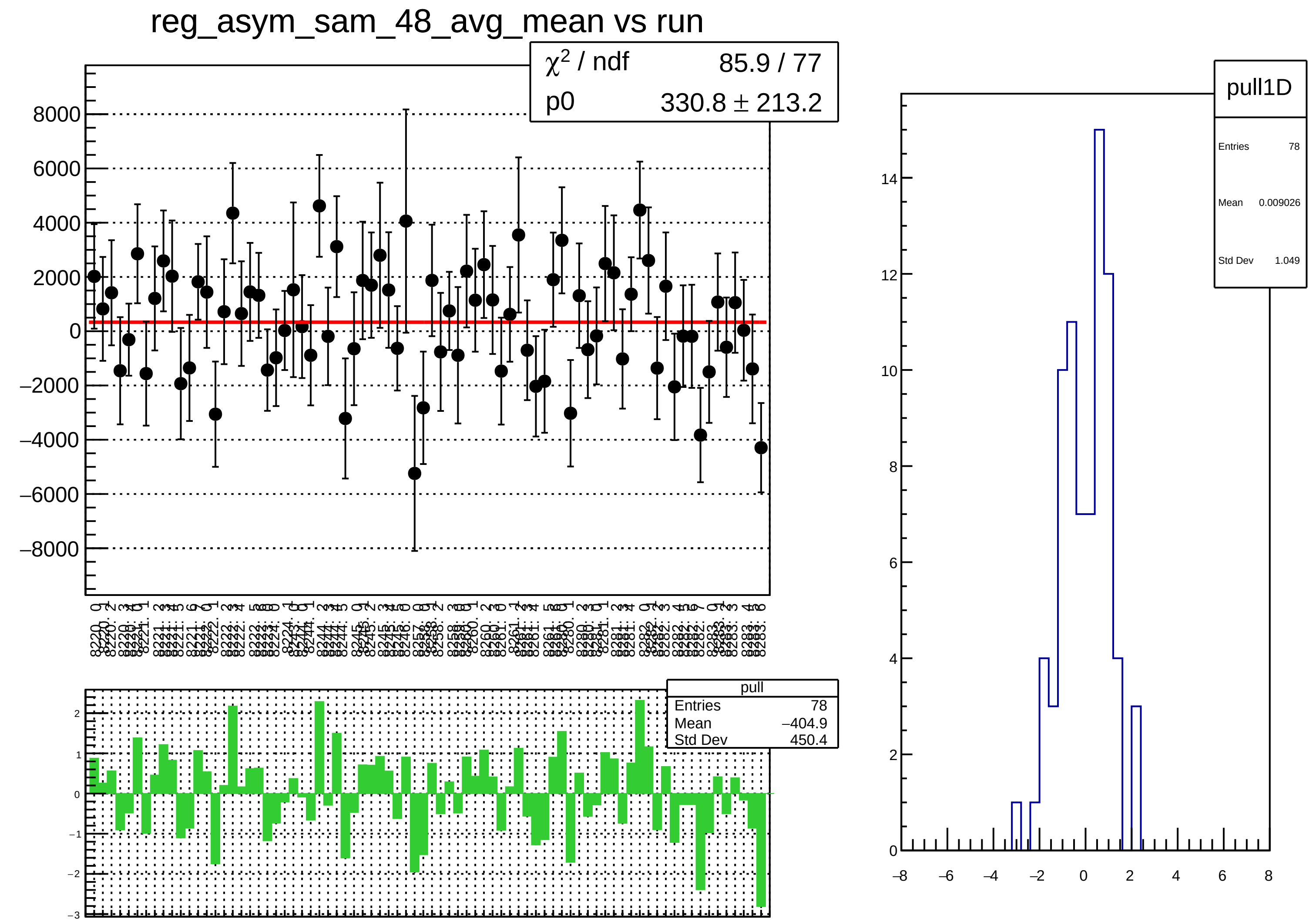

asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 65.87 / 77
p0 12.98 ± 2416
pull
Entries 78
Mean −350.9
Std Dev 389.6
pull1D
Entries 78
Mean −0.0104
Std Dev 0.9189


asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 5844 / 77
p0 2078 ± 1.709
2500
2400
2300
2200
2100
2000
1900
1800

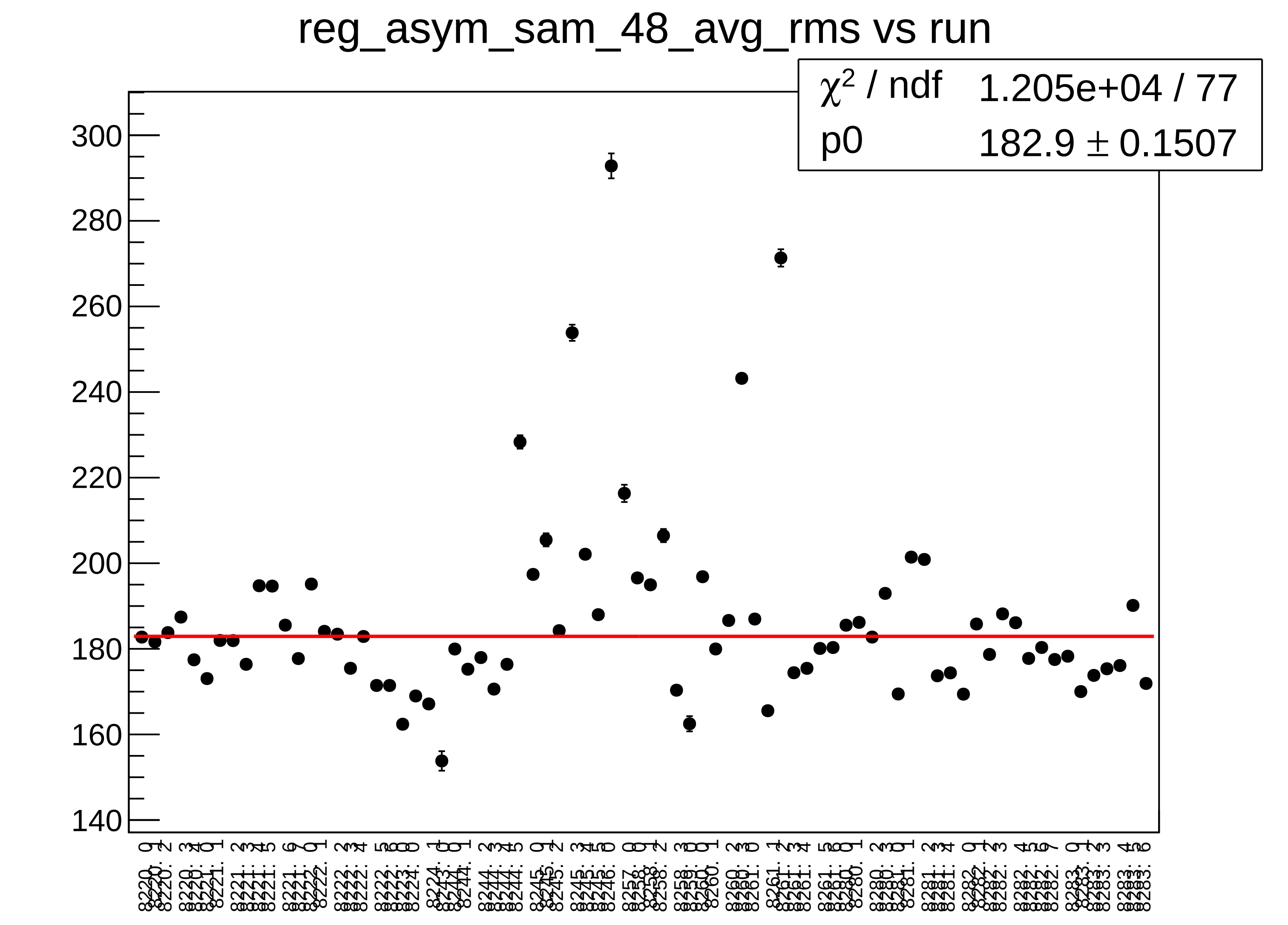


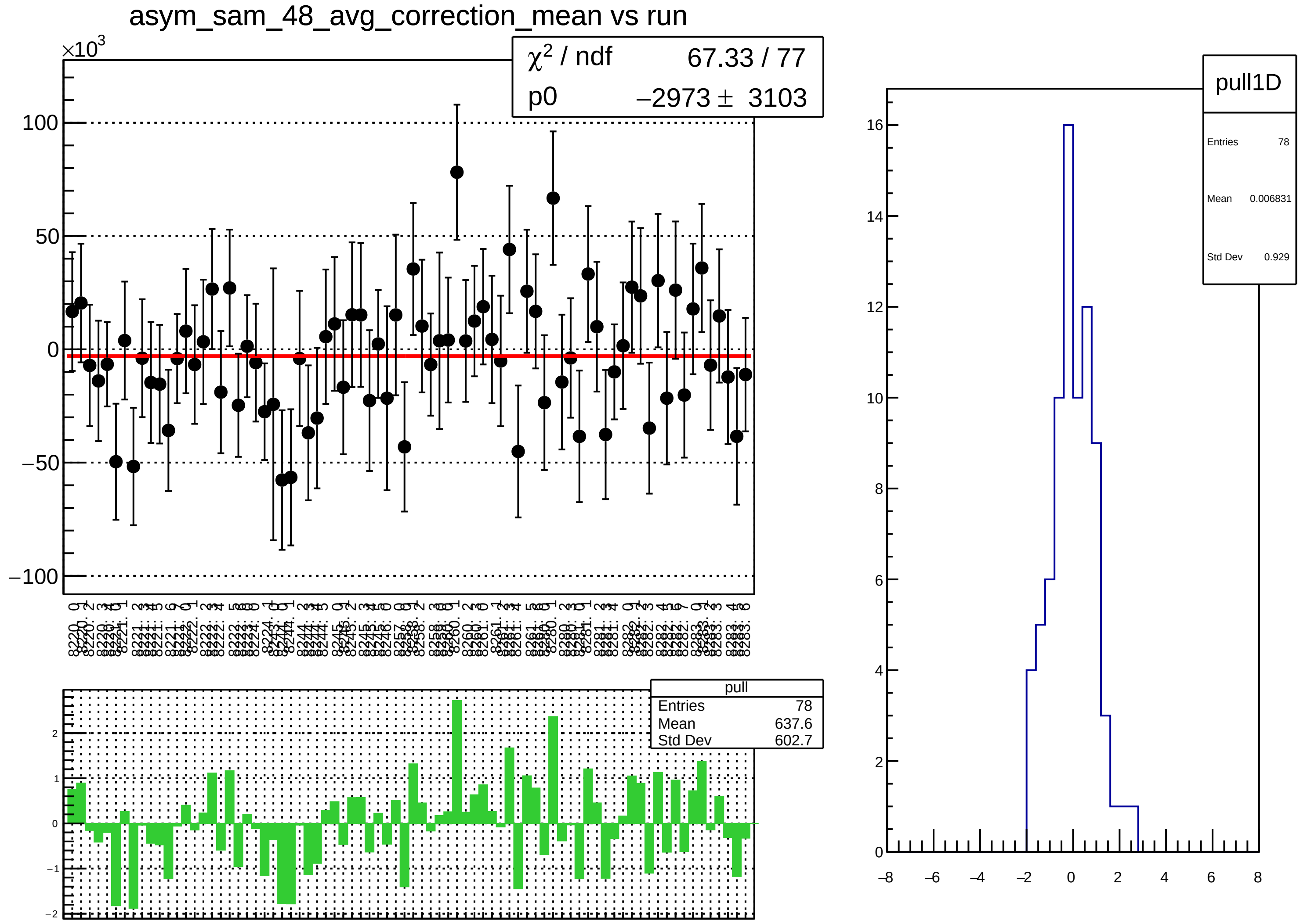
asym_sam_37_avg_mean vs run
χ^2 / ndf 65.7 / 77
p0 81.96 ± 2425
pull
Entries 78
Mean −316.4
Std Dev 355.4
pull1D
Entries 78
Mean 0.01171
Std Dev 0.9177


asym_sam_37_avg_rms vs run
χ^2 / ndf 5852 / 77
p0 2086 ± 1.715
2500
2400
2300
2200
2100
2000
1900
1800

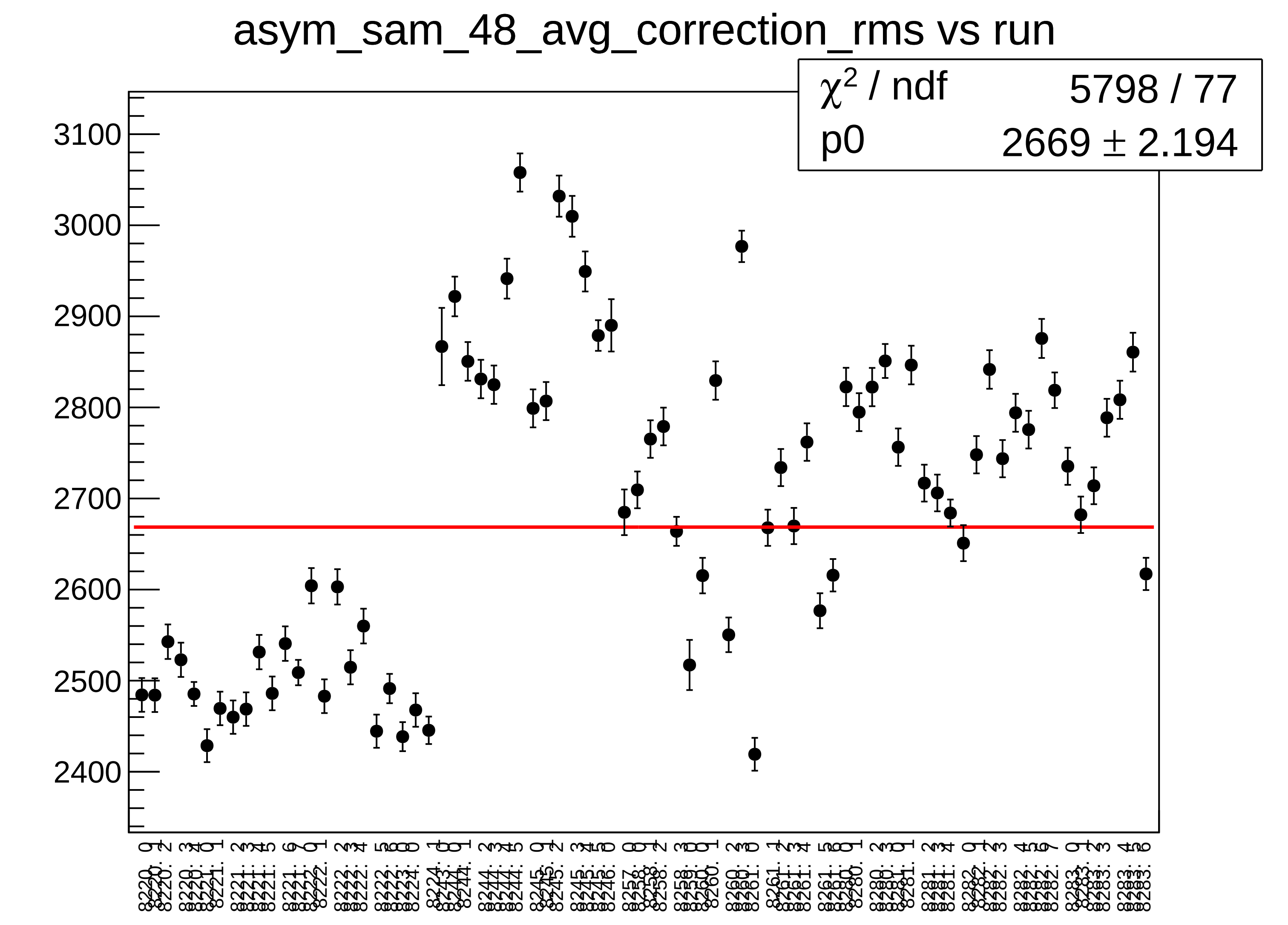


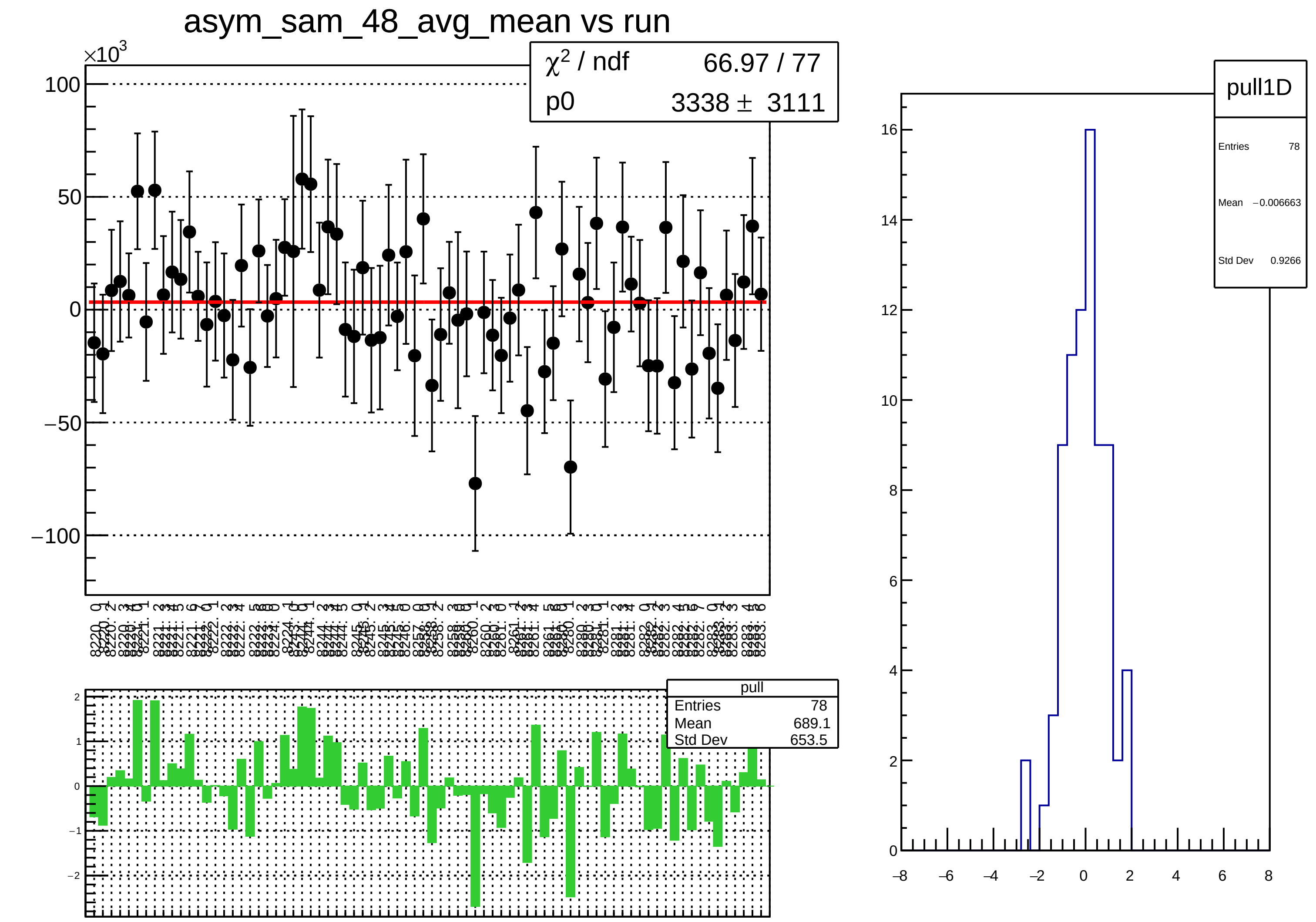
reg_asym_sam_48_avg_mean vs run
χ^2 / ndf 85.9 / 77
p0 330.8 ± 213.2
pull
Entries 78
Mean −404.9
Std Dev 450.4
pull1D
Entries 78
Mean 0.009026
Std Dev 1.049

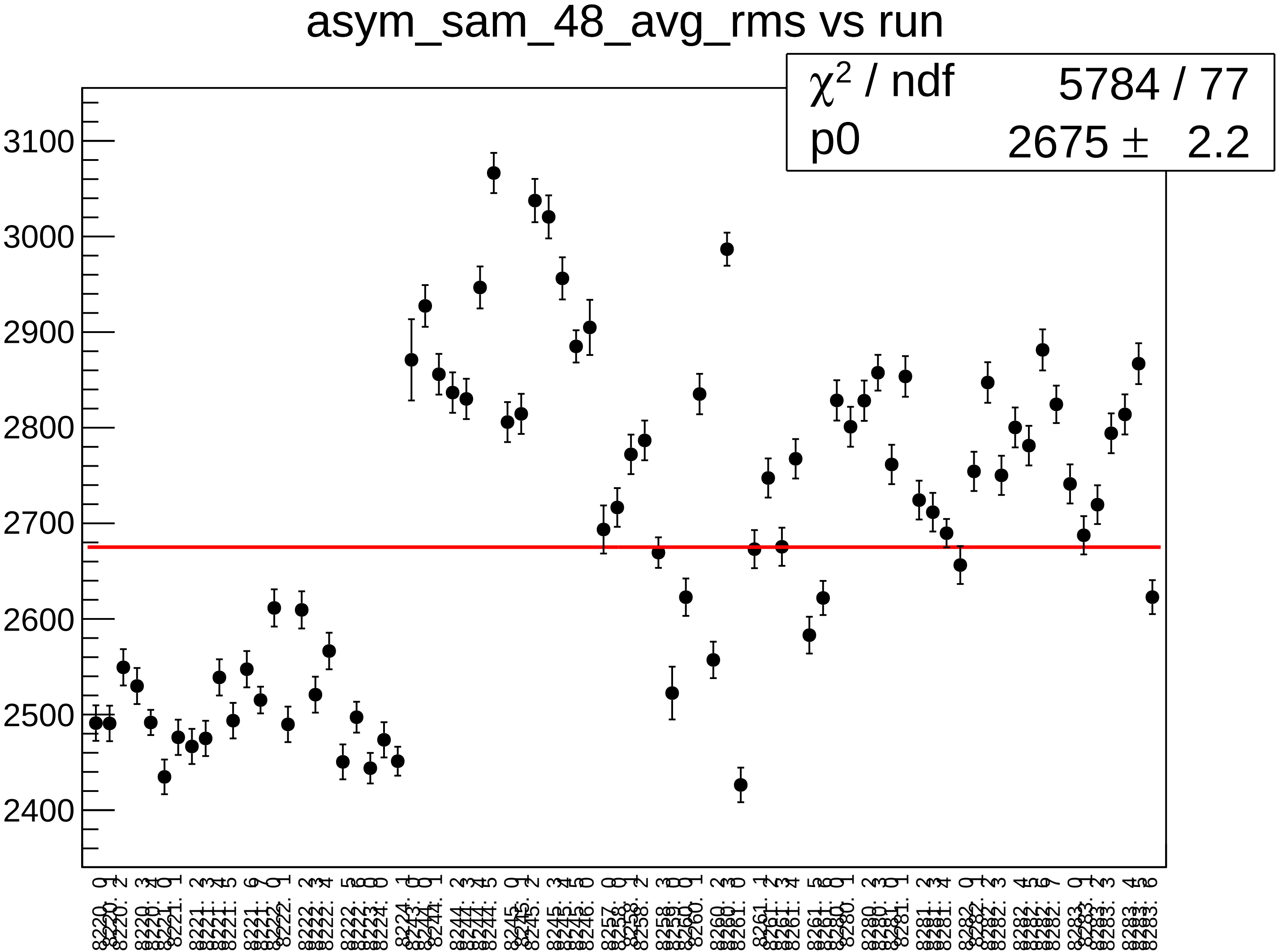

reg_asym_sam_48_avg_rms vs run
χ2 / ndf 1.205e+04 / 77
p0 182.9 ± 0.1507
300
280
260
240
220
200
180
160
140



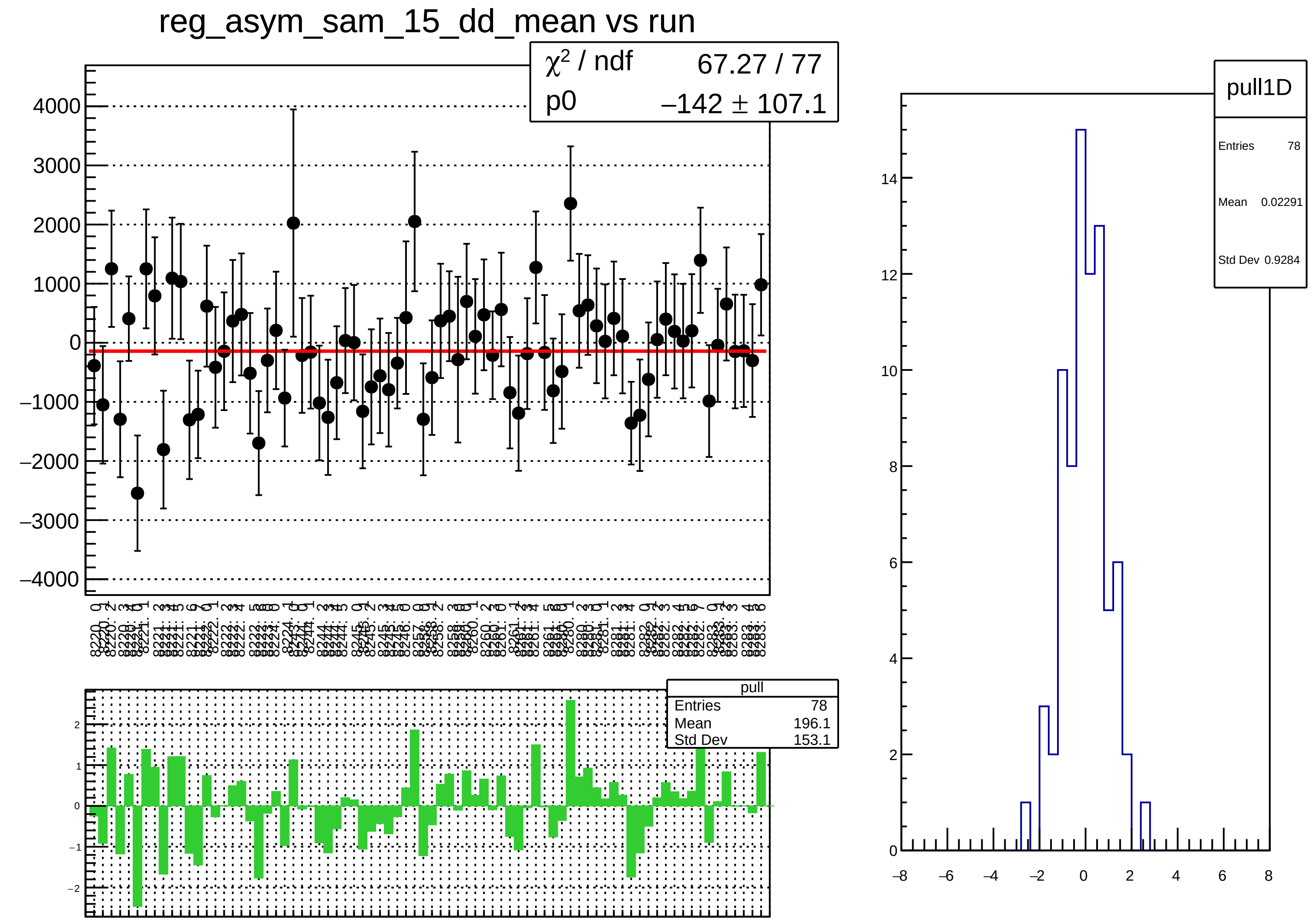
asym_sam_48_avg_correction_mean vs run
×10^3
χ2 / ndf 67.33 / 77
p0 −2973 ± 3103
100
50
0
−50
−100
pull
Entries 78
Mean 637.6
Std Dev 602.7
pull1D
Entries 78
Mean 0.006831
Std Dev 0.929

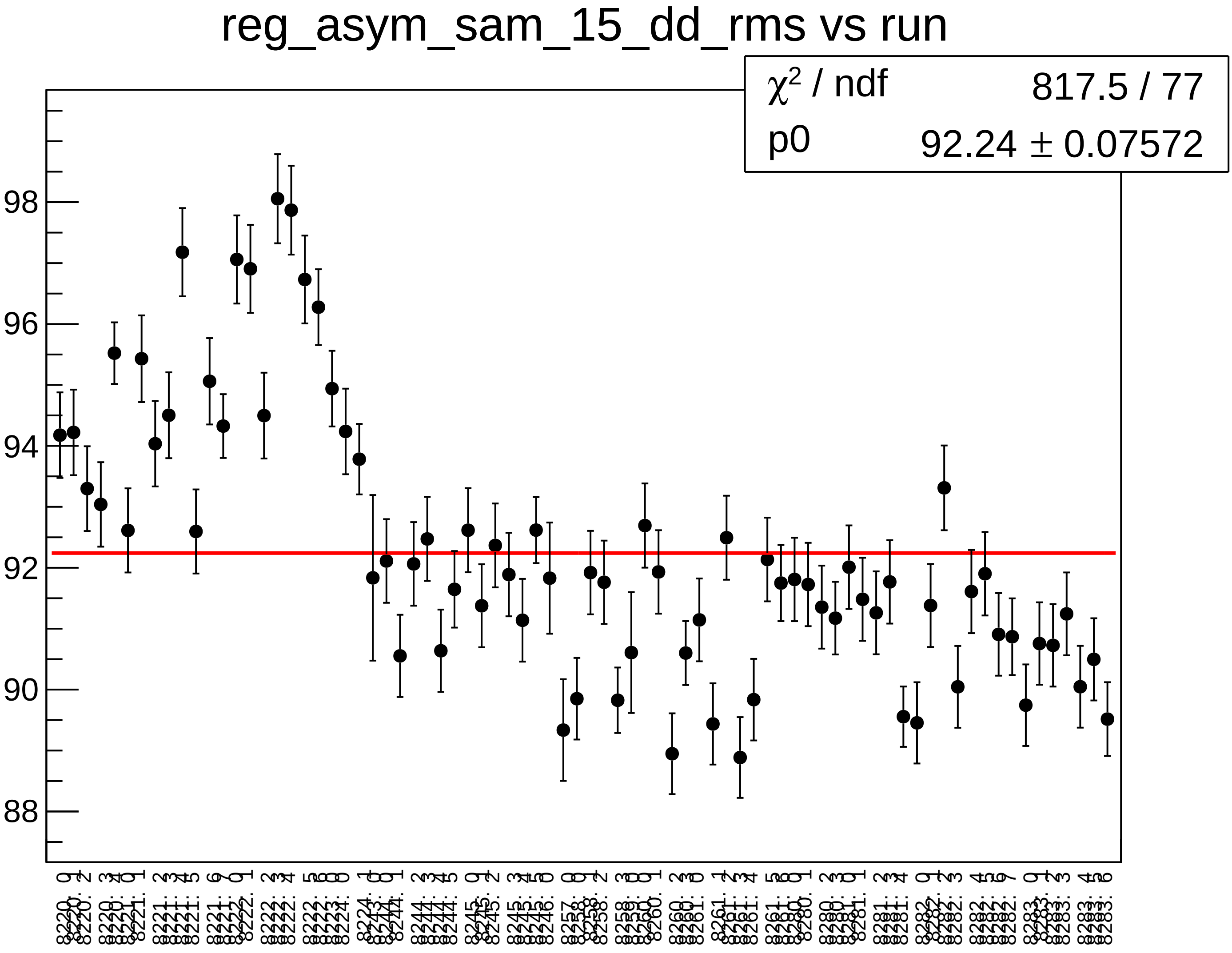

asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 5798 / 77
p0 2669 ± 2.194
3100
3000
2900
2800
2700
2600
2500
2400

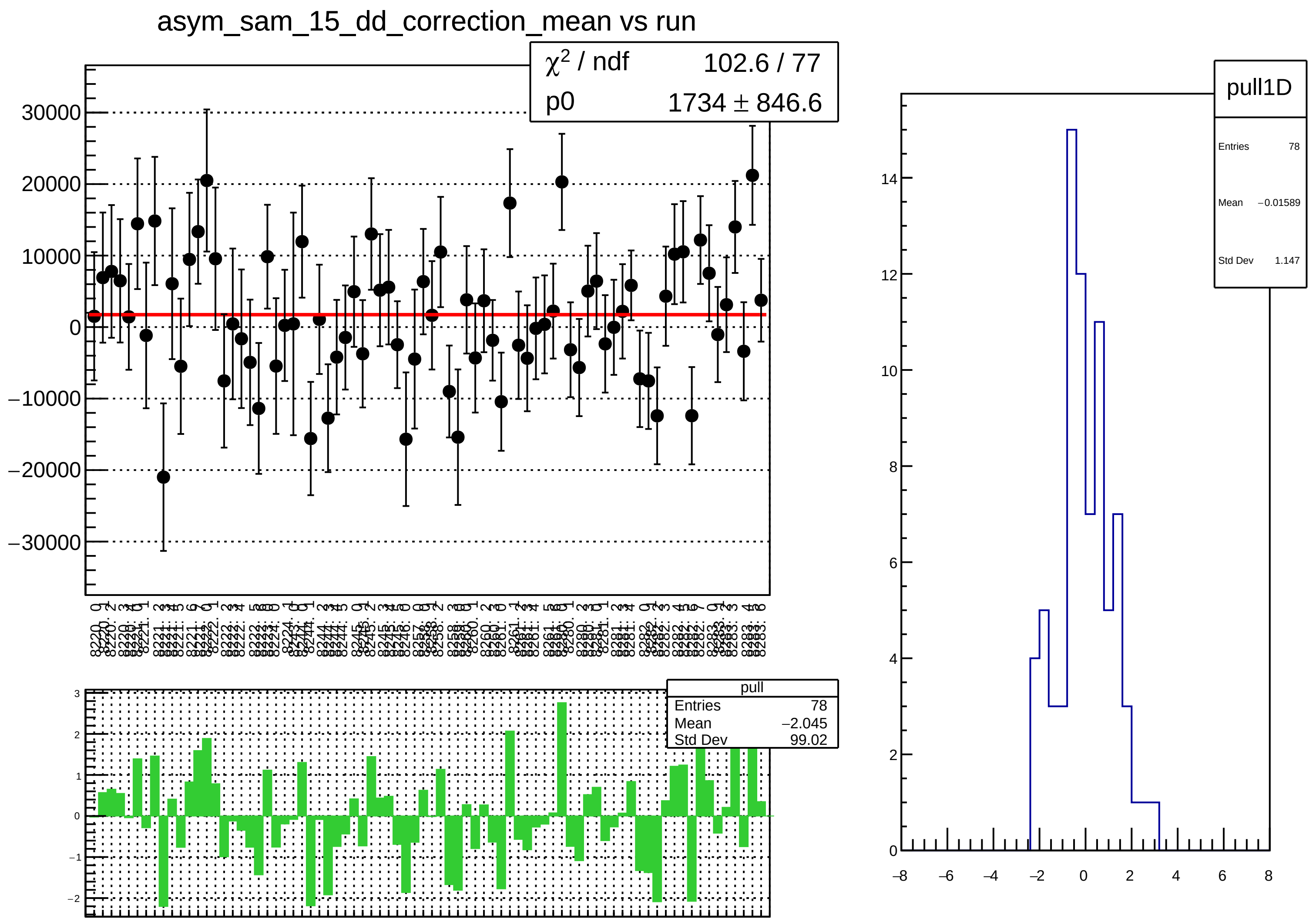

asym_sam_48_avg_mean vs run
$\times10^3$
χ^2 / ndf 66.97 / 77
p0 3338 ± 3111
100
50
0
−50
−100
pull
Entries 78
Mean 689.1
Std Dev 653.5
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.006663
Std Dev 0.9266
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



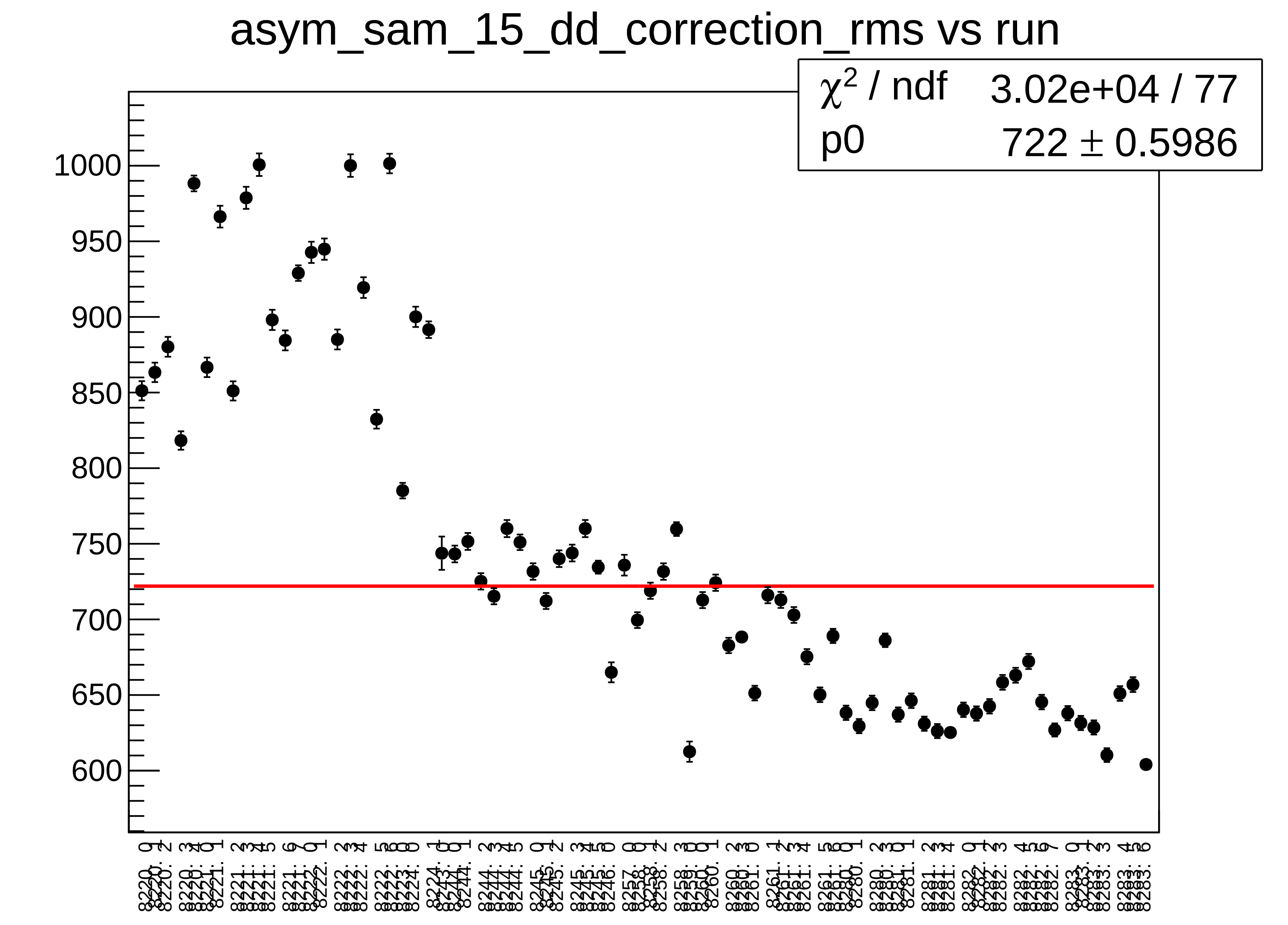
asym_sam_48_avg_rms vs run
χ2 / ndf 5784 / 77
p0 2675 ± 2.2
3100
3000
2900
2800
2700
2600
2500
2400


reg_asym_sam_15_dd_mean vs run
χ2 / ndf 67.27 / 77
p0 −142 ± 107.1
pull
Entries 78
Mean 196.1
Std Dev 153.1
pull1D
Entries 78
Mean 0.02291
Std Dev 0.9284

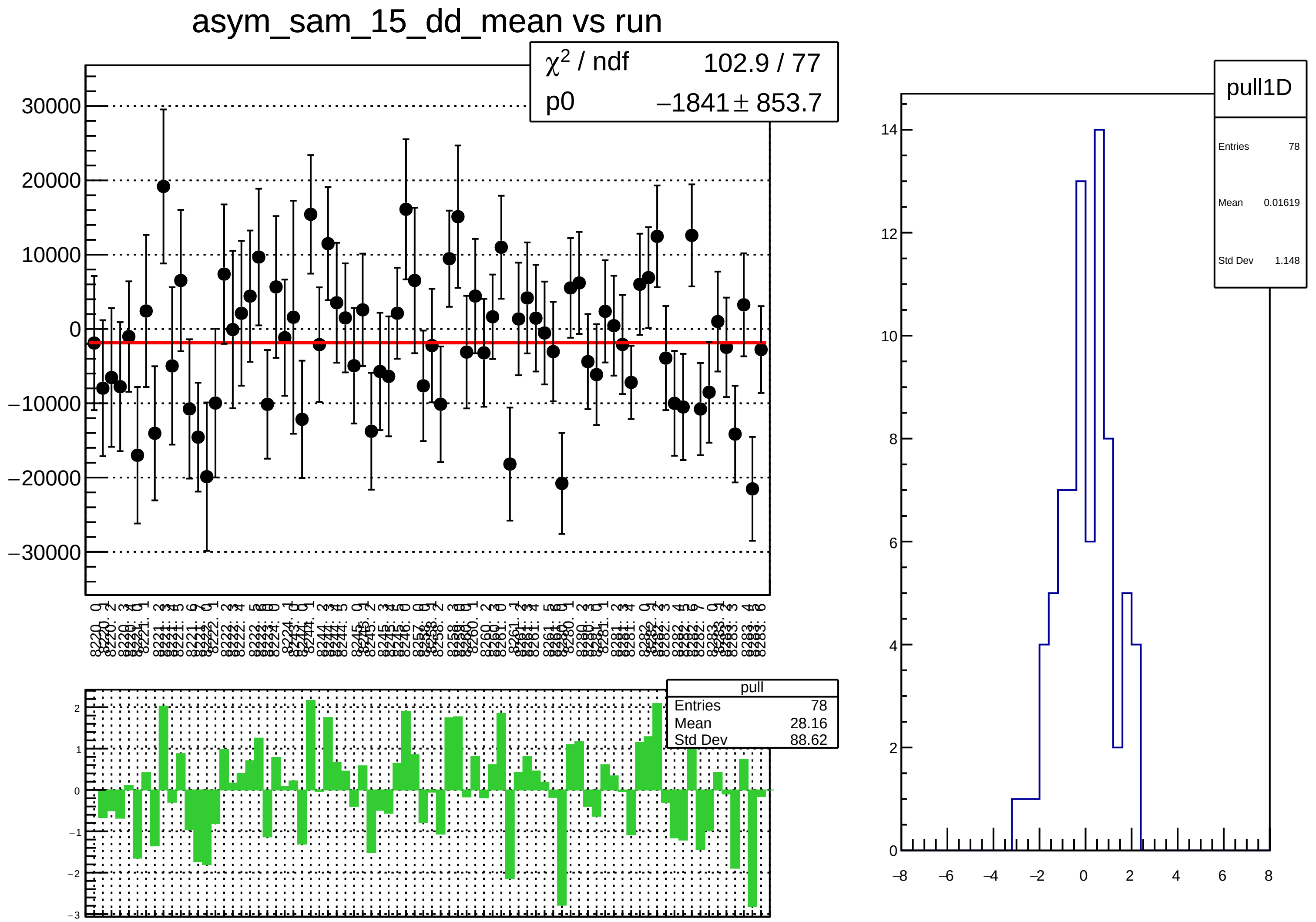

reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 817.5 / 77
p0 92.24 ± 0.07572
98
96
94
92
90
88



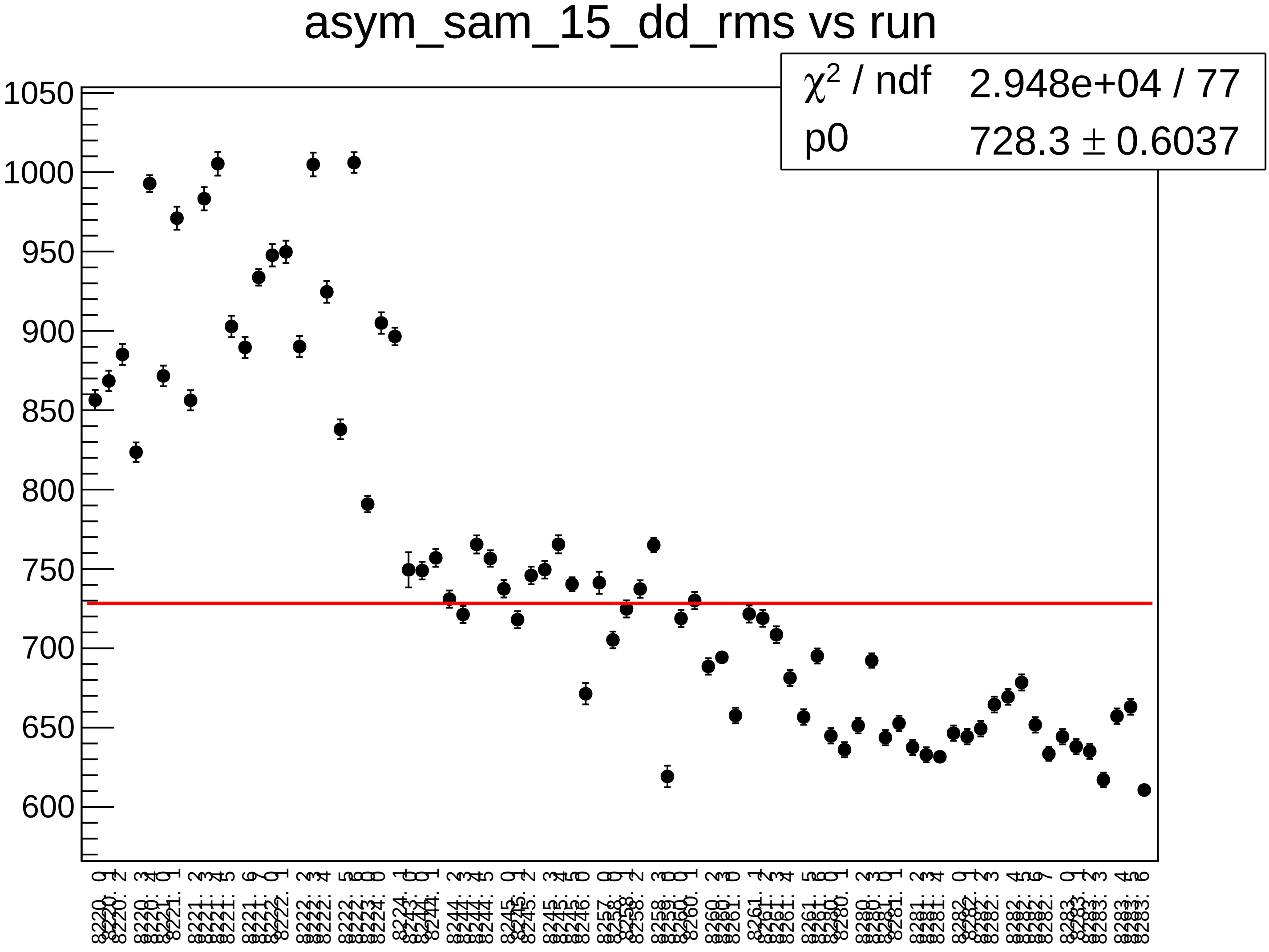
asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 102.6 / 77
p0 1734 ± 846.6
pull
Entries 78
Mean −2.045
Std Dev 99.02
pull1D
Entries 78
Mean −0.01589
Std Dev 1.147

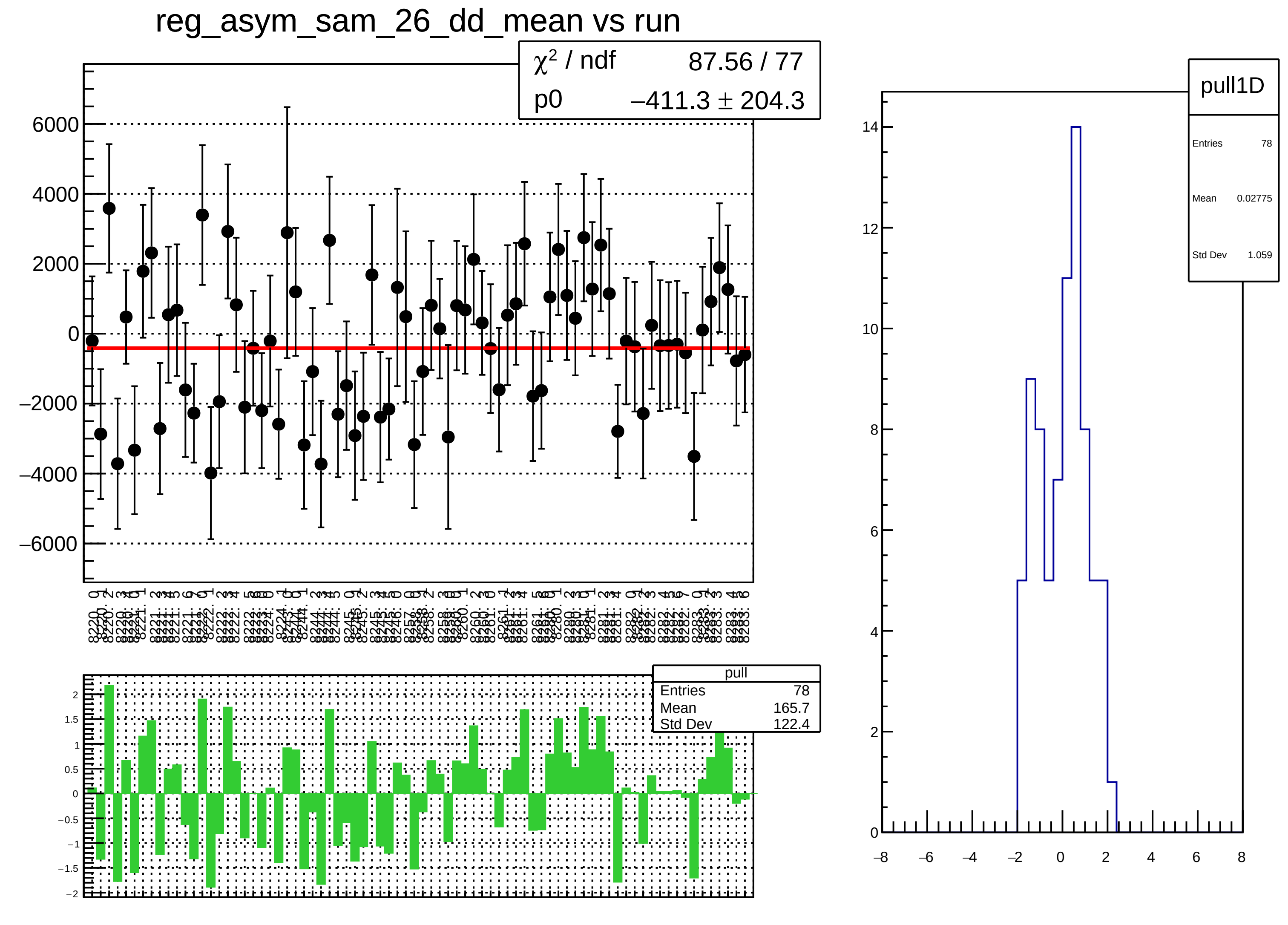


asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 3.02e+04 / 77
p0 722 ± 0.5986
1000
950
900
850
800
750
700
650
600

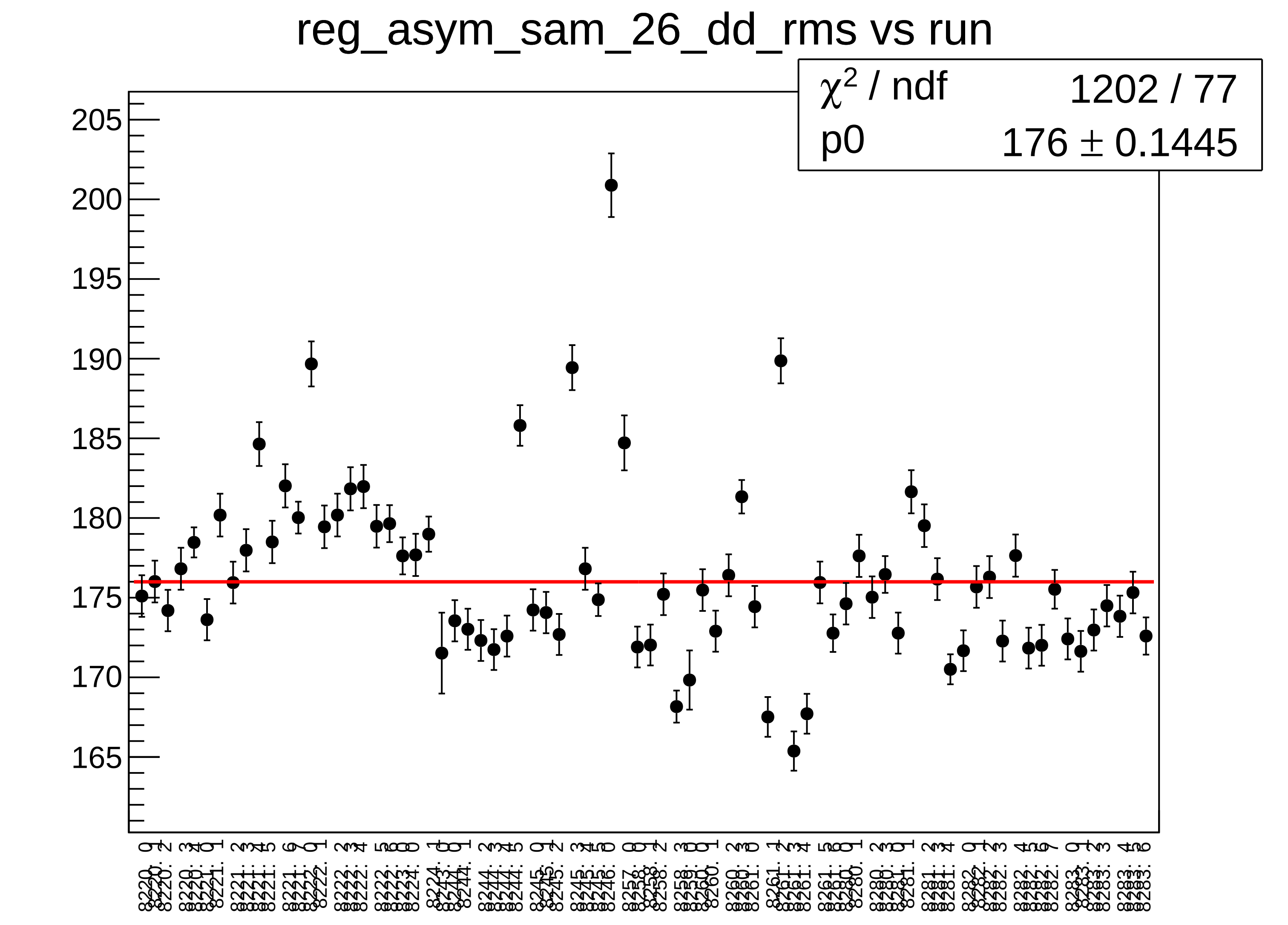


asym_sam_15_dd_mean vs run
χ^2 / ndf 102.9 / 77
p0 −1841 ± 853.7
pull
Entries 78
Mean 28.16
Std Dev 88.62
pull1D
Entries 78
Mean 0.01619
Std Dev 1.148

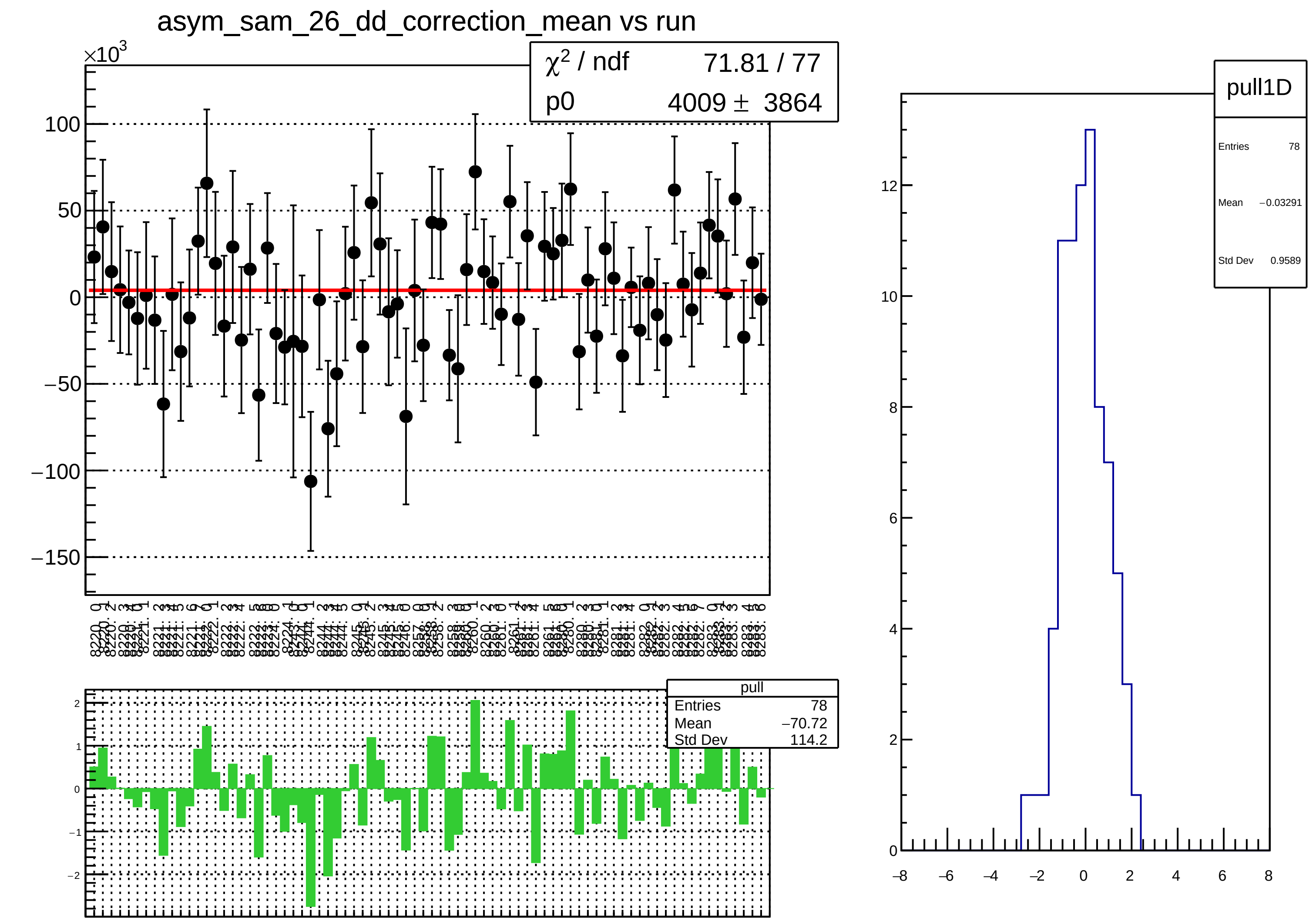

asym_sam_15_dd_rms vs run
χ^2 / ndf 2.948e+04 / 77
p0 728.3 ± 0.6037
1050
1000
950
900
850
800
750
700
650
600



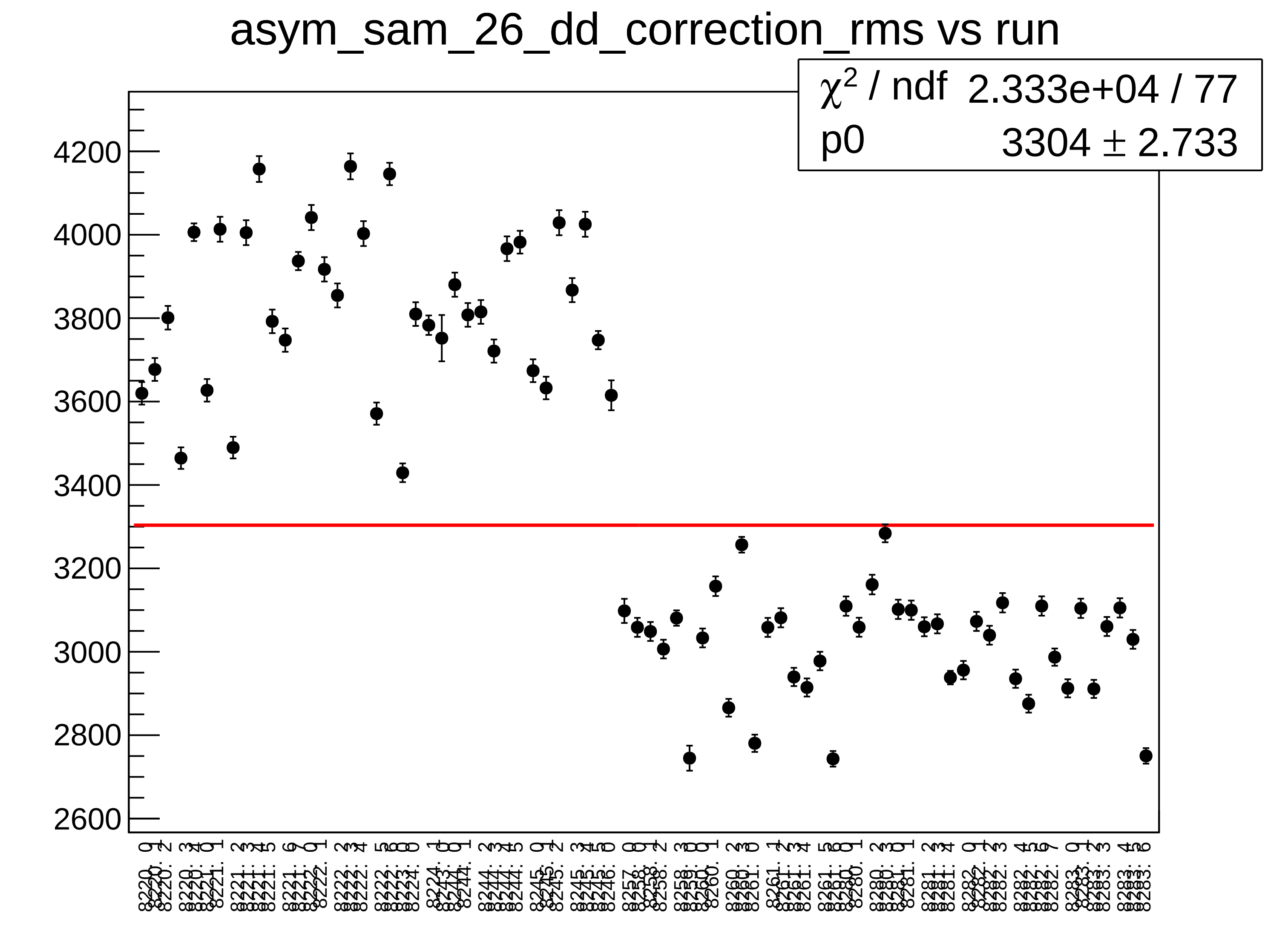
reg_asym_sam_26_dd_mean vs run
χ^2 / ndf 87.56 / 77
p0 −411.3 ± 204.3
pull
Entries 78
Mean 165.7
Std Dev 122.4
pull1D
Entries 78
Mean 0.02775
Std Dev 1.059

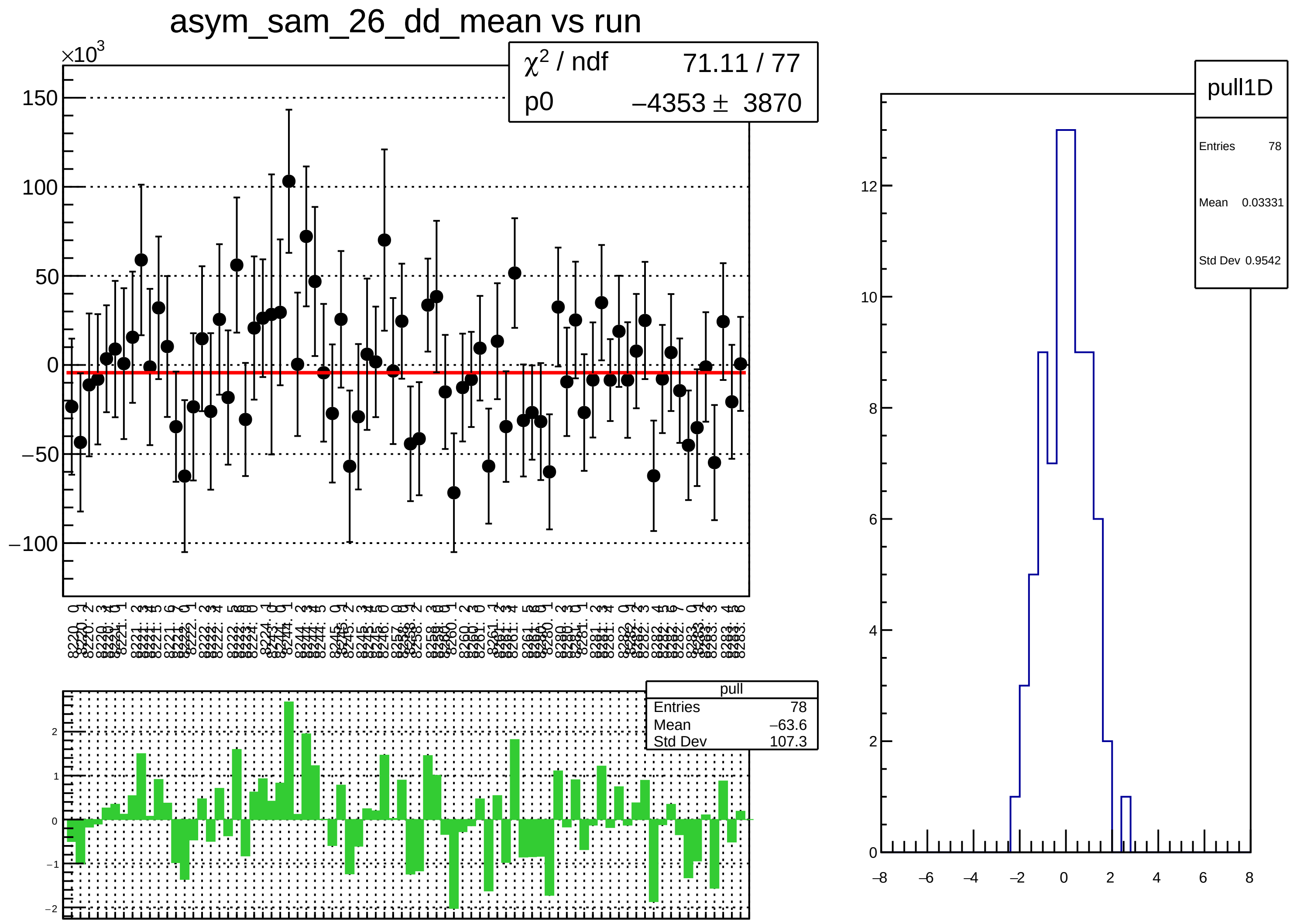


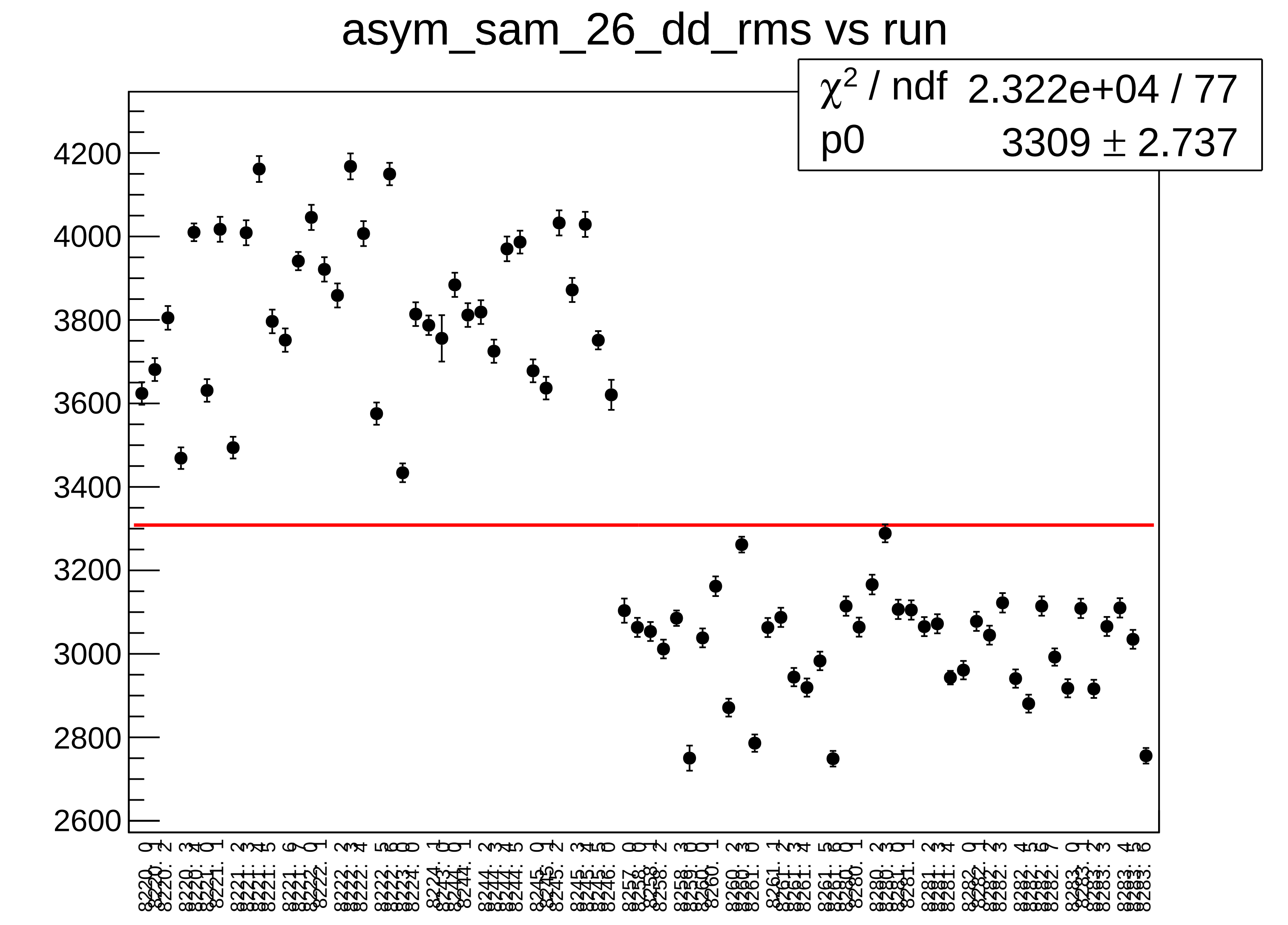
reg_asym_sam_26_dd_rms vs run
χ2 / ndf 1202 / 77
p0 176 ± 0.1445
205
200
195
190
185
180
175
170
165

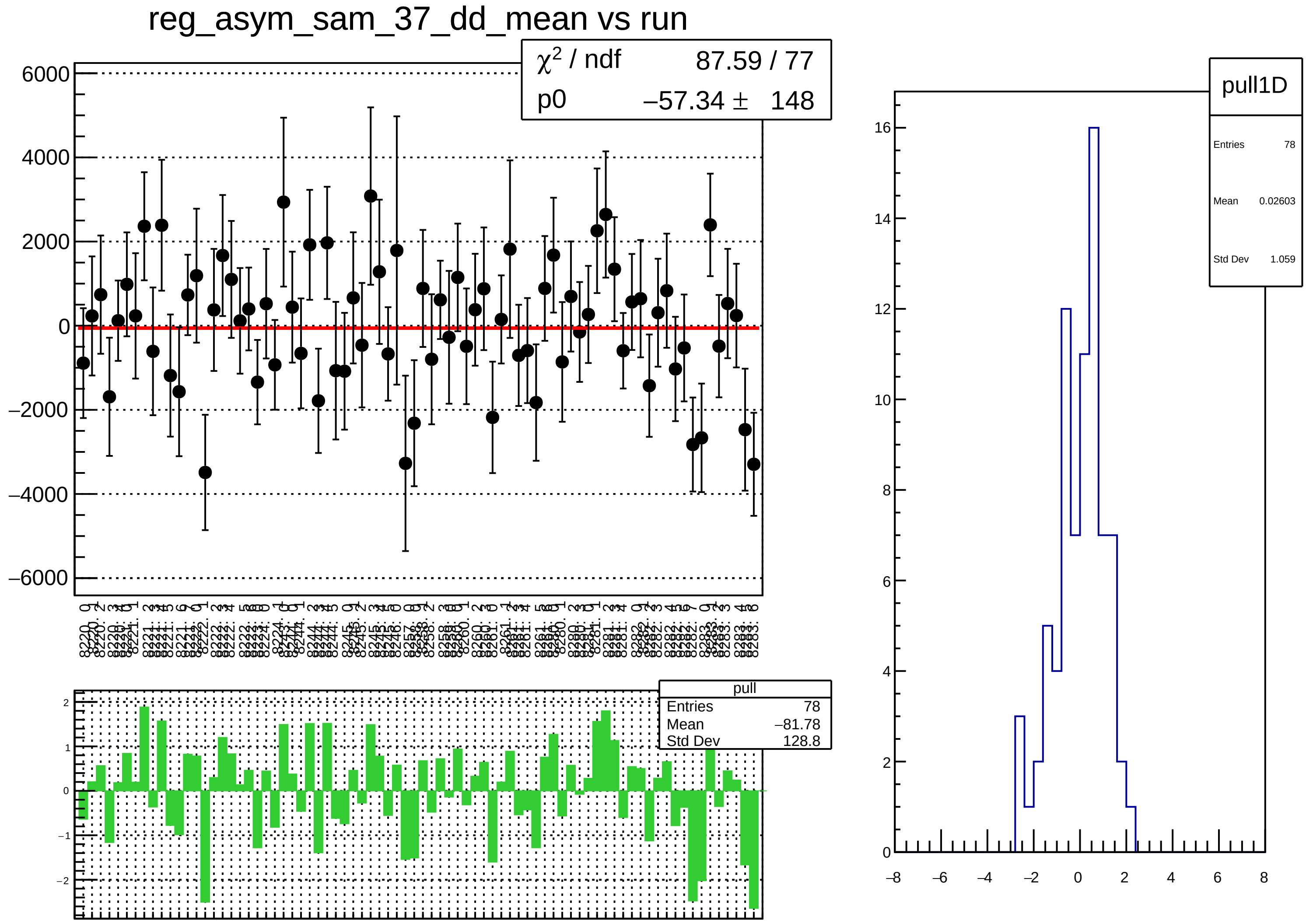


asym_sam_26_dd_correction_mean vs run
χ2 / ndf 71.81 / 77
p0 4009 ± 3864
pull
Entries 78
Mean −70.72
Std Dev 114.2
pull1D
Entries 78
Mean −0.03291
Std Dev 0.9589

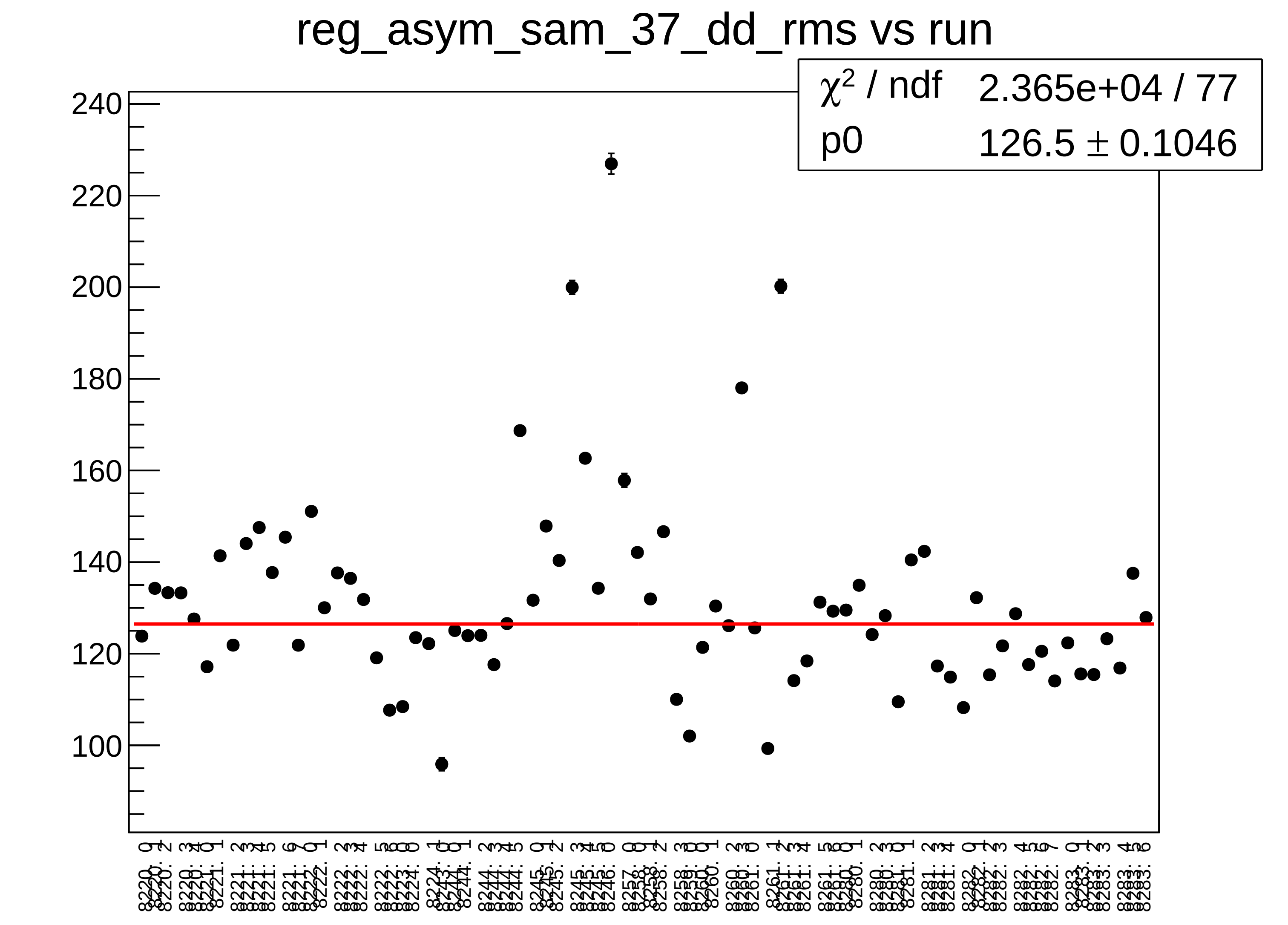

asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 2.333e+04 / 77
p0 3304 ± 2.733
4200
4000
3800
3600
3400
3200
3000
2800
2600


asym_sam_26_dd_mean vs run
$\times10^3$
χ^2 / ndf 71.11 / 77
p0 −4353 ± 3870
pull
Entries 78
Mean −63.6
Std Dev 107.3
pull1D
Entries 78
Mean 0.03331
Std Dev 0.9542

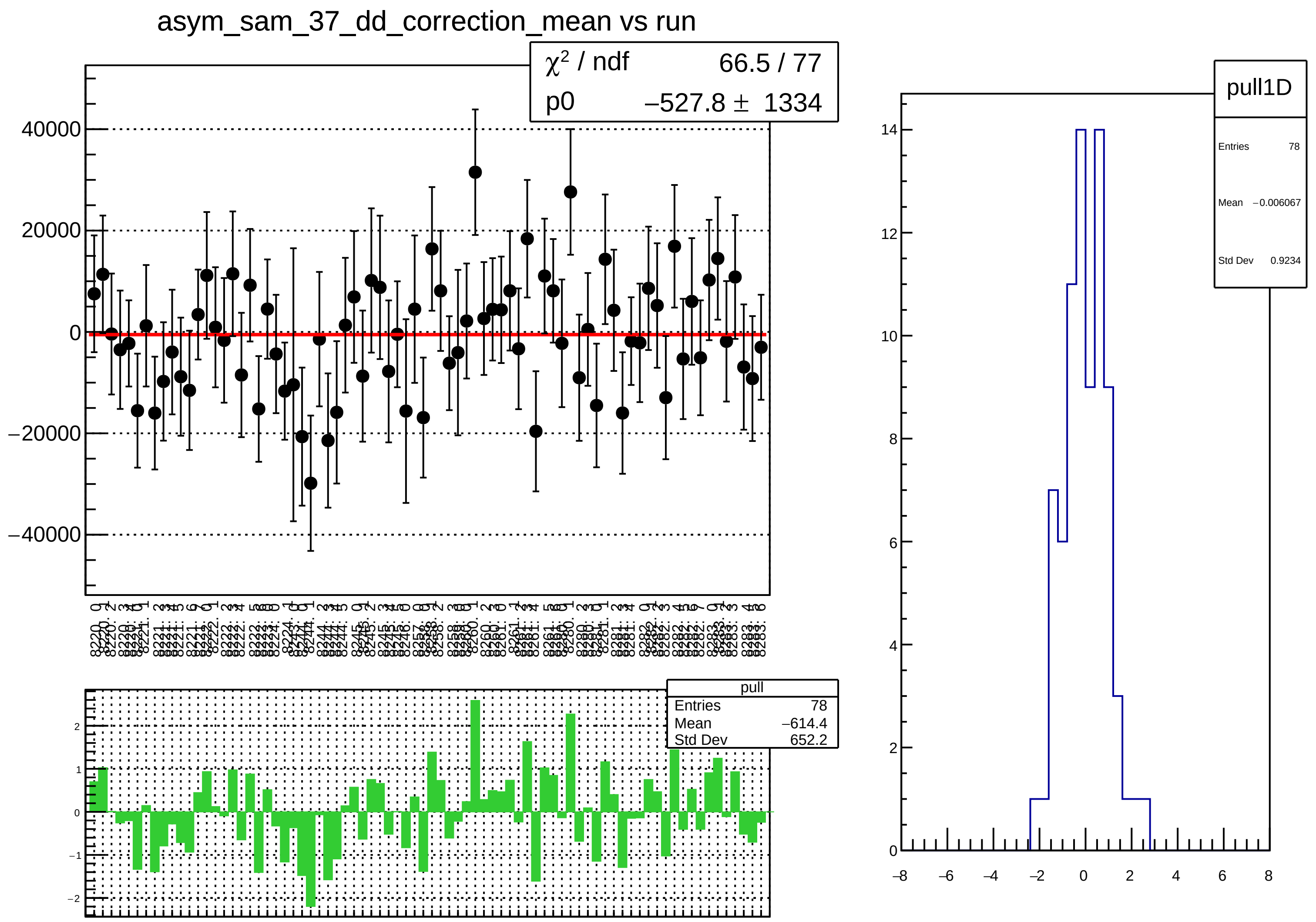

asym_sam_26_dd_rms vs run
χ^2 / ndf 2.322e+04 / 77
p0 3309 ± 2.737
4200
4000
3800
3600
3400
3200
3000
2800
2600



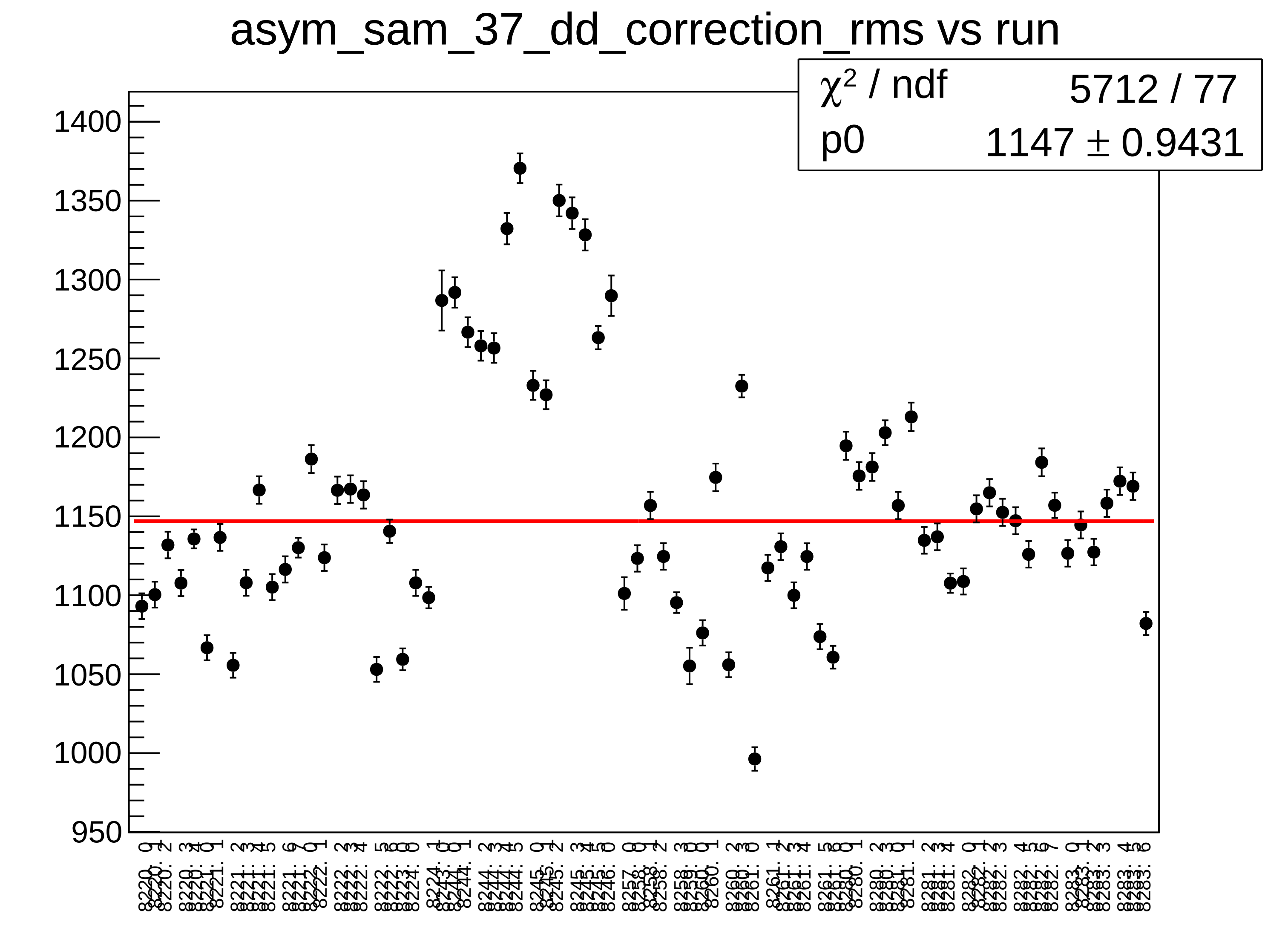
reg_asym_sam_37_dd_mean vs run
χ^2 / ndf 87.59 / 77
p0 −57.34 ± 148
pull
Entries 78
Mean −81.78
Std Dev 128.8
pull1D
Entries 78
Mean 0.02603
Std Dev 1.059

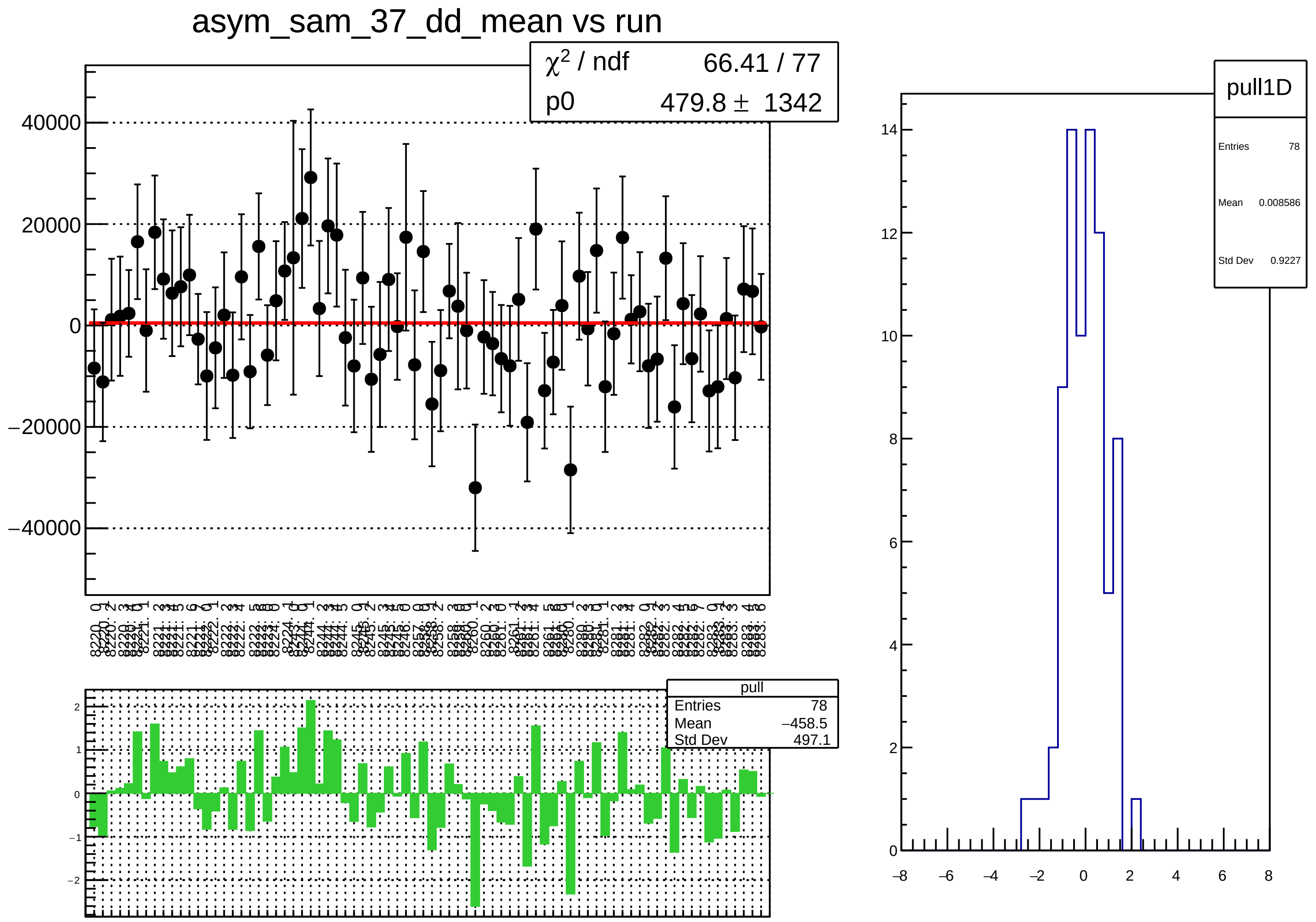


reg_asym_sam_37_dd_rms vs run
χ² / ndf 2.365e+04 / 77
p0 126.5 ± 0.1046
240
220
200
180
160
140
120
100

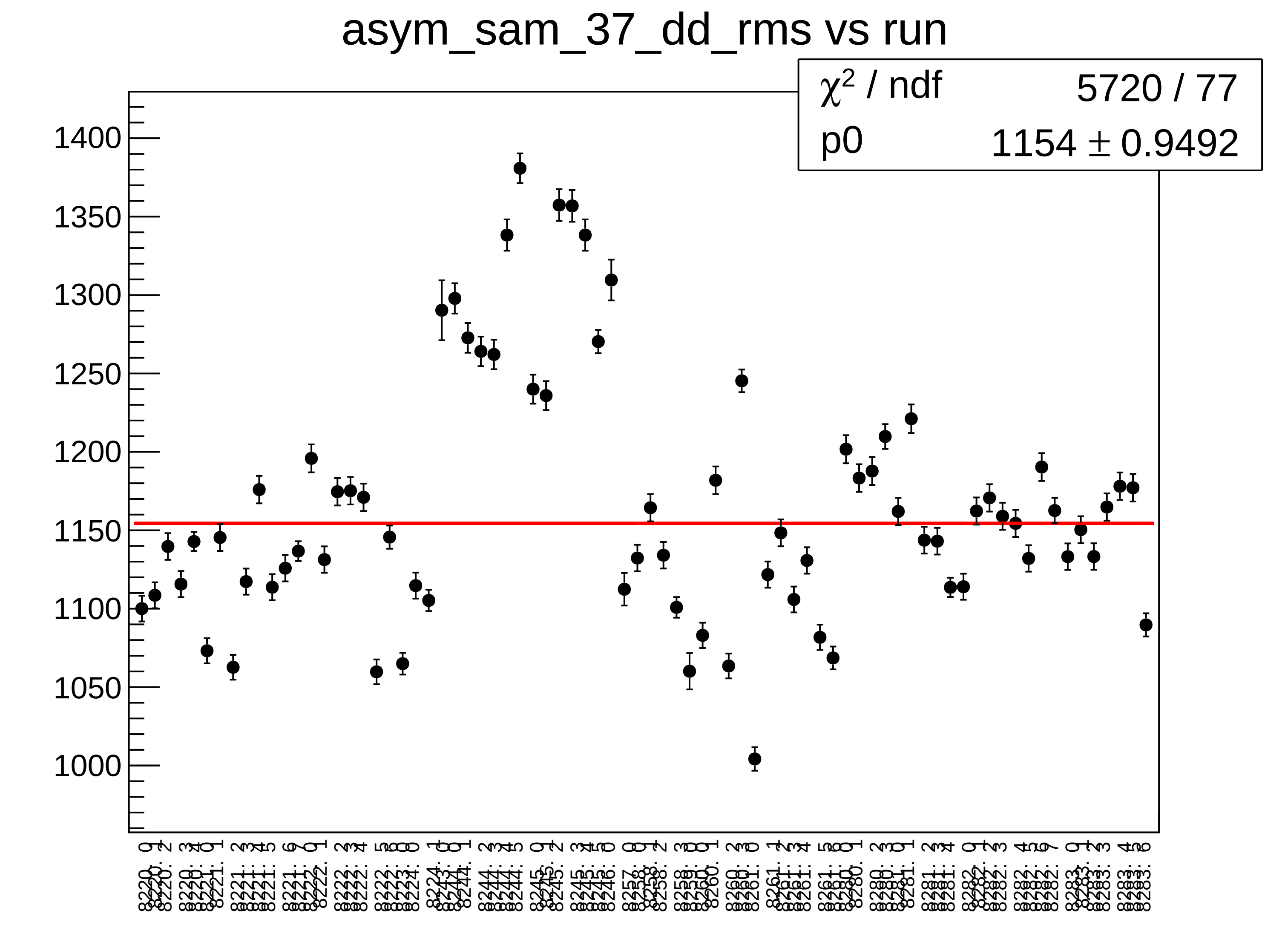


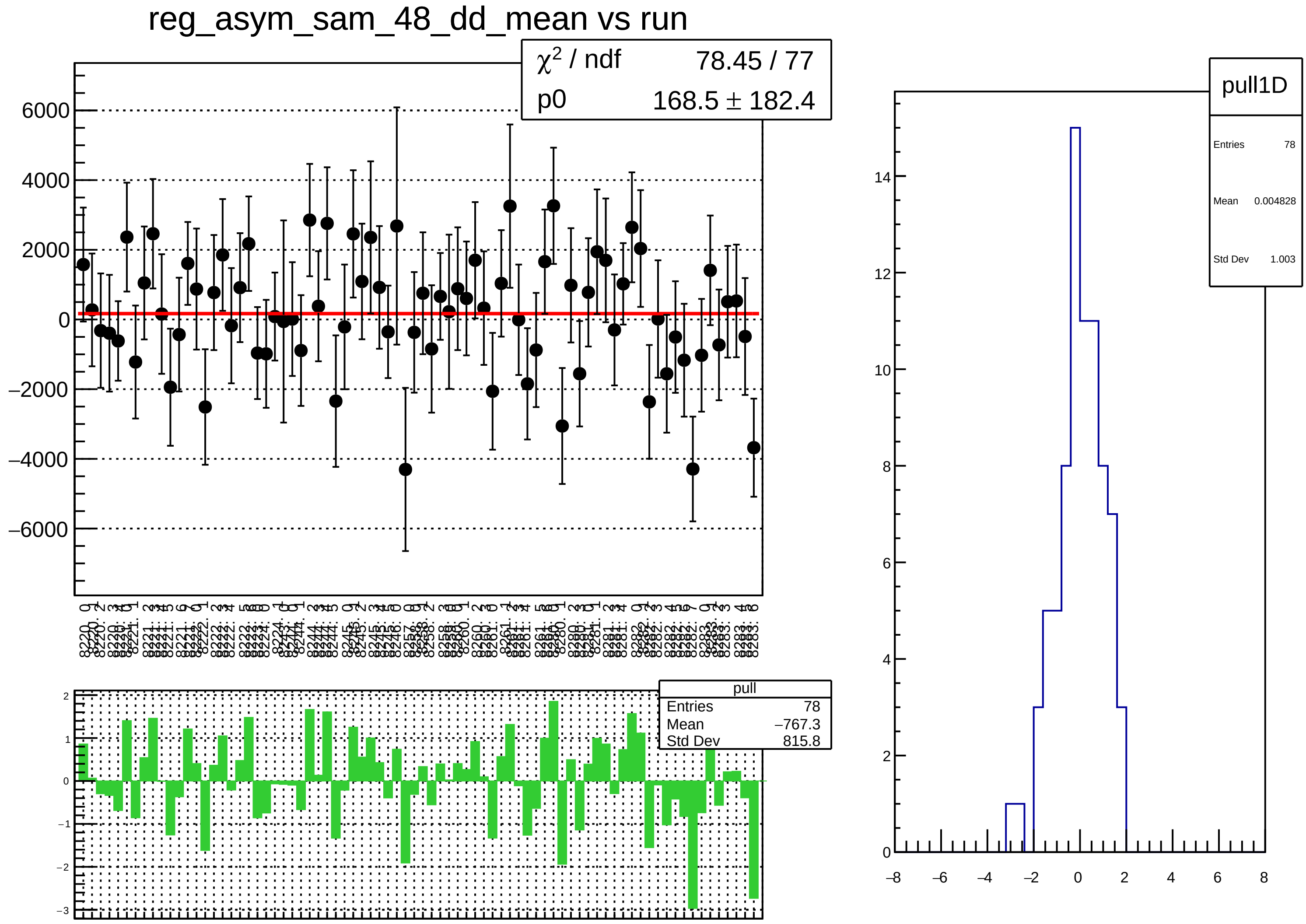
asym_sam_37_dd_correction_mean vs run
χ^2 / ndf 66.5 / 77
p0 −527.8 ± 1334
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −614.4
Std Dev 652.2
pull1D
Entries 78
Mean −0.006067
Std Dev 0.9234

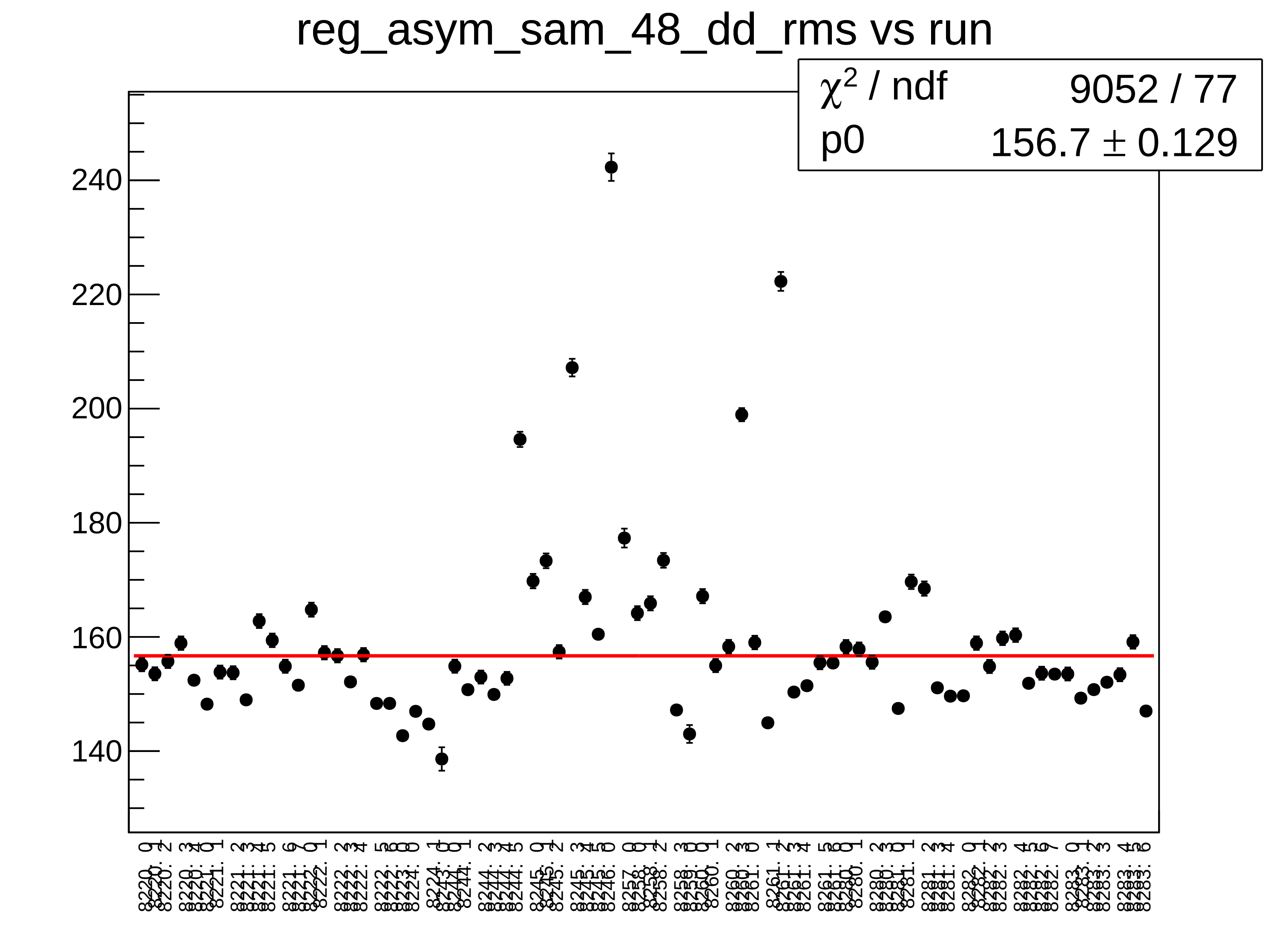

asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 5712 / 77
p0 1147 ± 0.9431
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

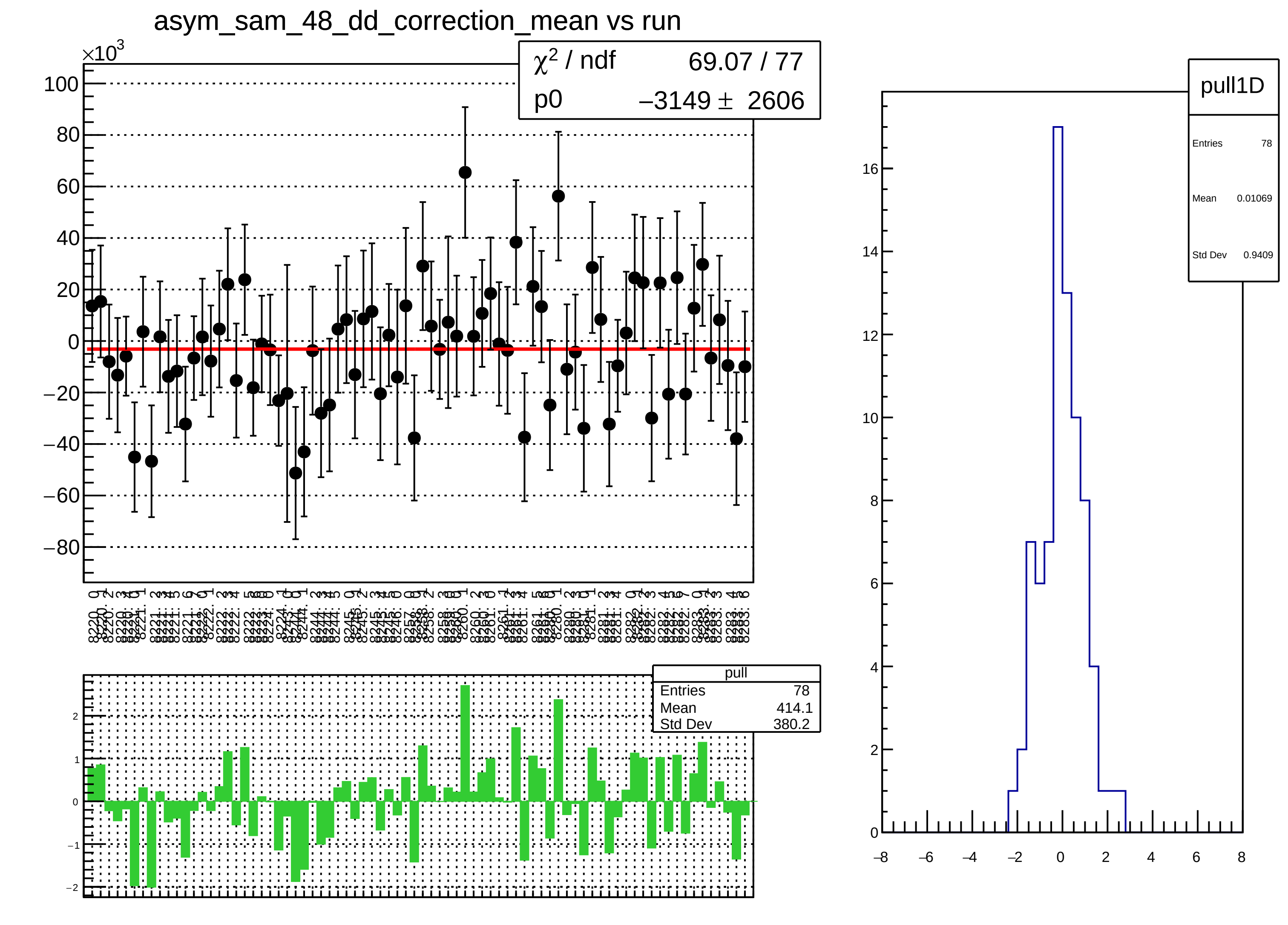


asym_sam_37_dd_mean vs run
χ^2 / ndf 66.41 / 77
p0 479.8 ± 1342
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −458.5
Std Dev 497.1
pull1D
Entries 78
Mean 0.008586
Std Dev 0.9227


asym_sam_37_dd_rms vs run
χ2 / ndf 5720 / 77
p0 1154 ± 0.9492
1400
1350
1300
1250
1200
1150
1100
1050
1000

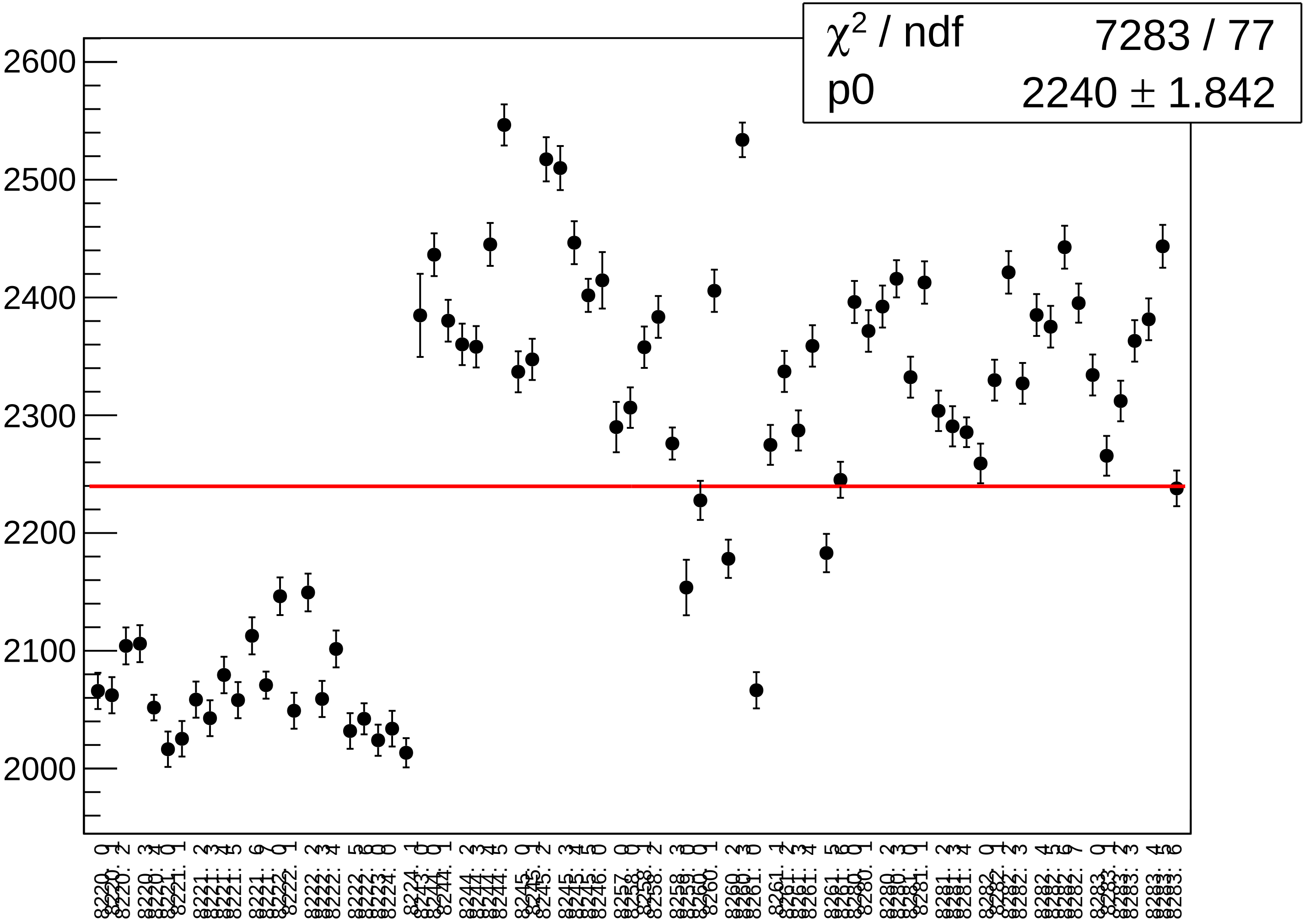

reg_asym_sam_48_dd_mean vs run
χ² / ndf 78.45 / 77
p0 168.5 ± 182.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 78
Mean −767.3
Std Dev 815.8
pull1D
Entries 78
Mean 0.004828
Std Dev 1.003

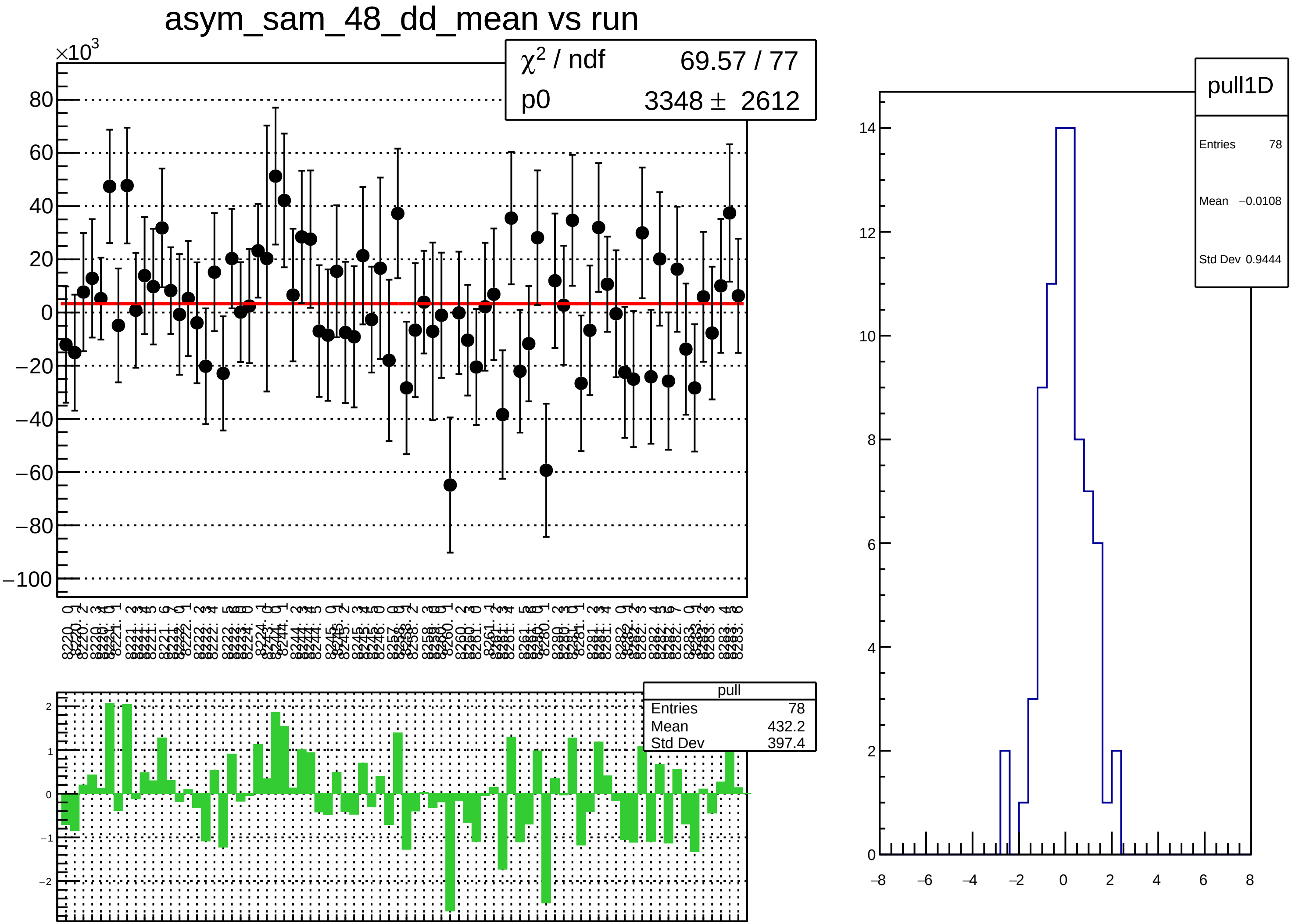

reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 9052 / 77
p0 156.7 ± 0.129
240
220
200
180
160
140



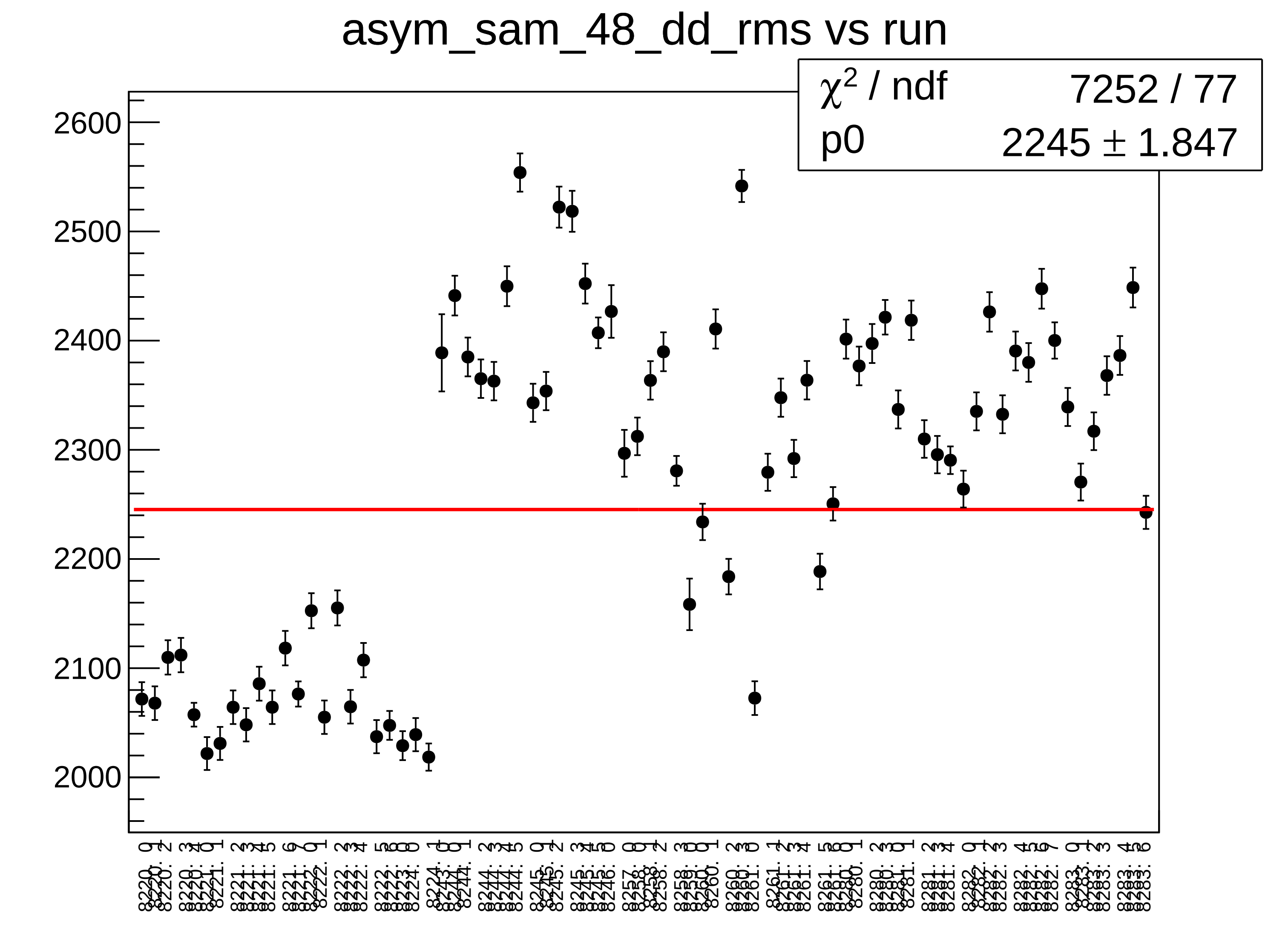
asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 69.07 / 77
p0 −3149 ± 2606
×10³
pull
Entries 78
Mean 414.1
Std Dev 380.2
pull1D
Entries 78
Mean 0.01069
Std Dev 0.9409

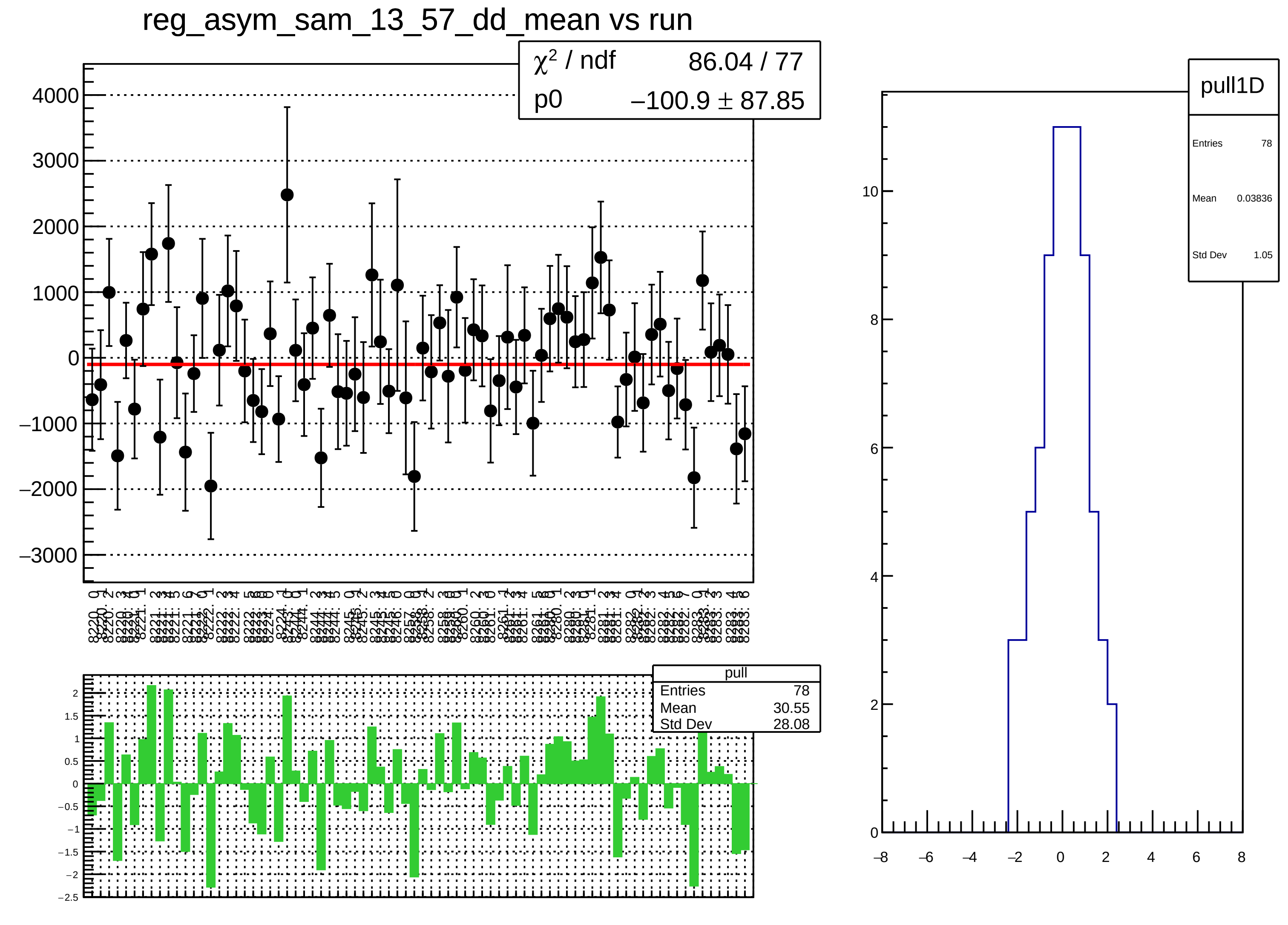
asym_sam_48_dd_correction_rms vs run



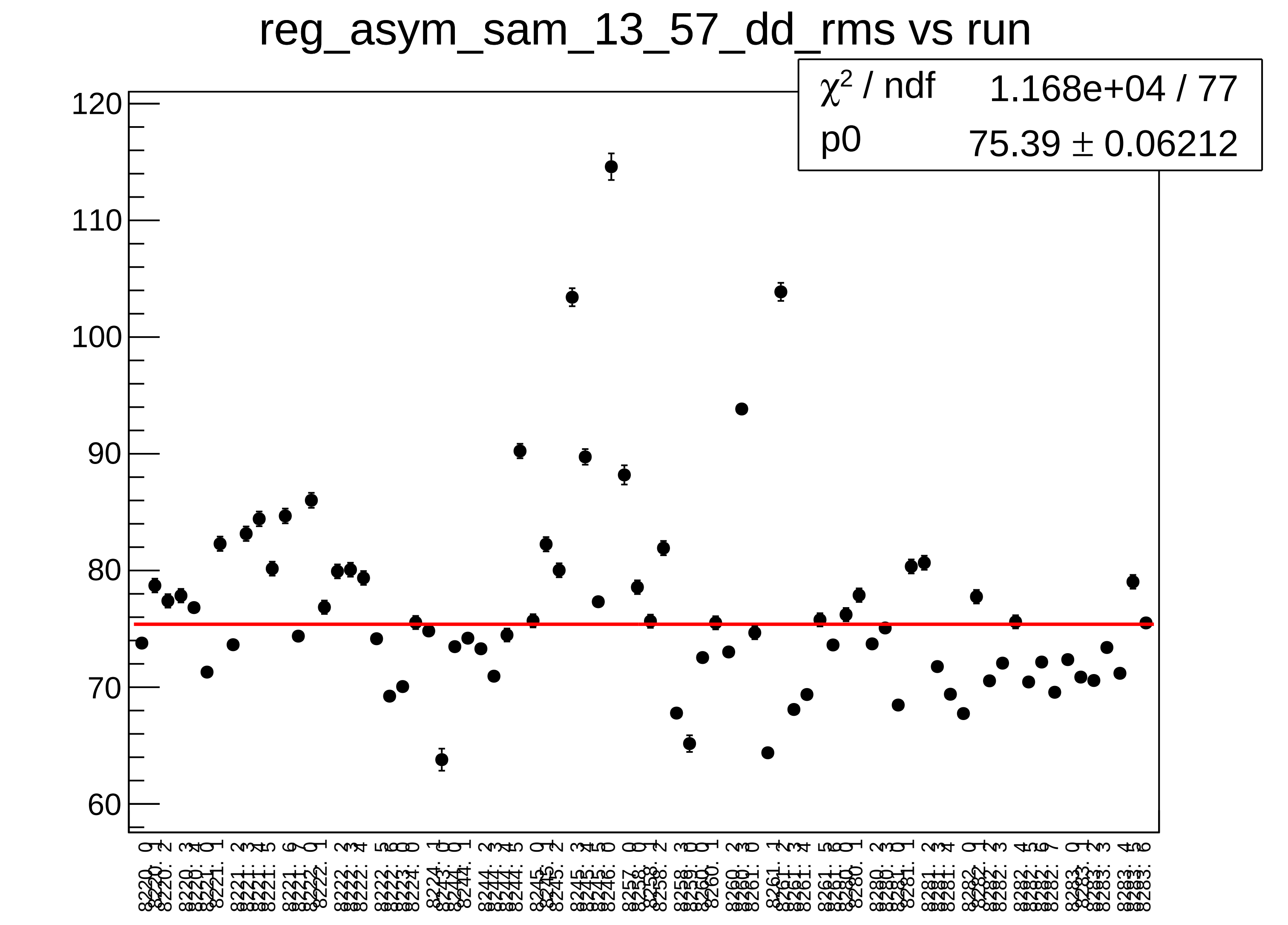


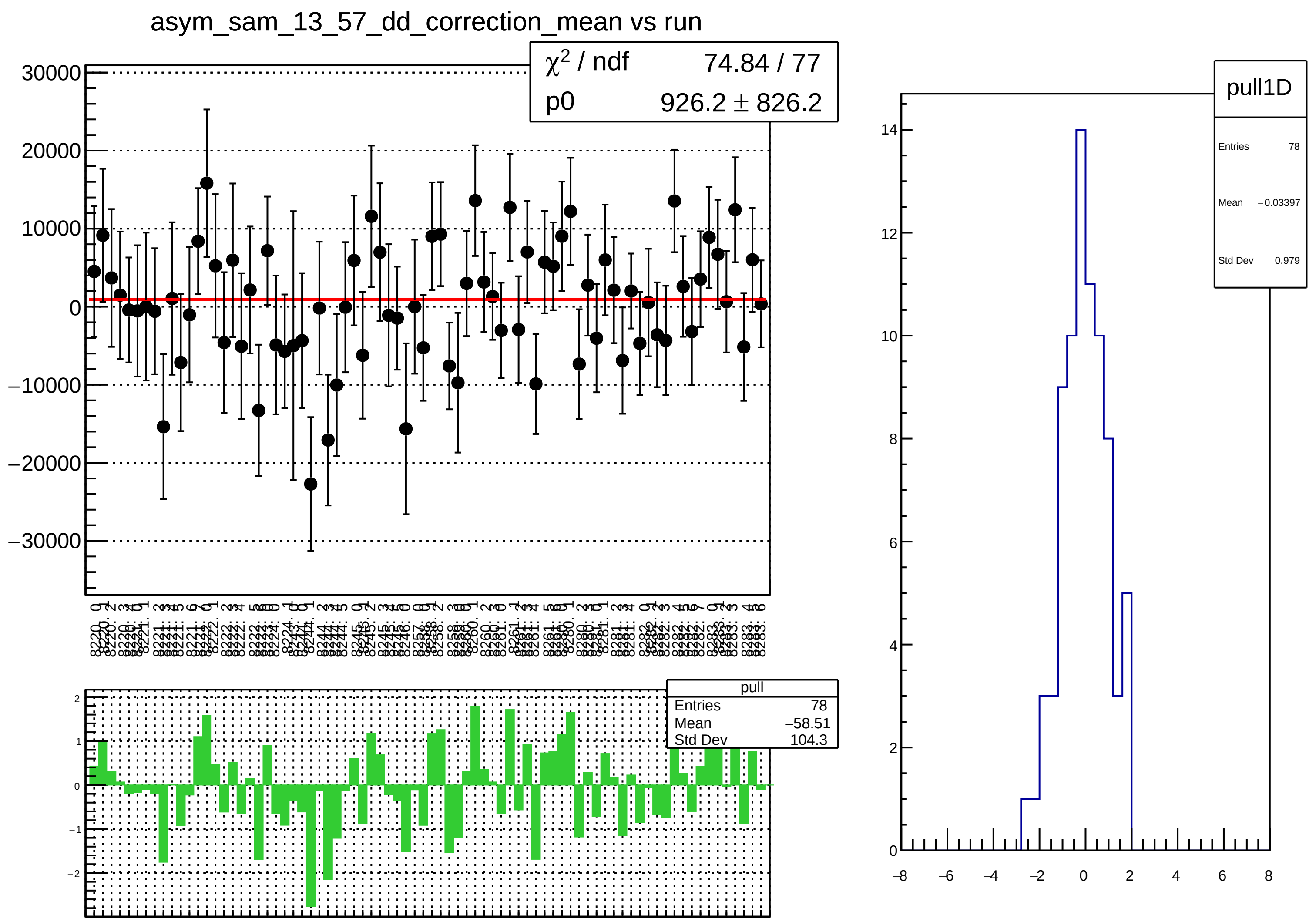
asym_sam_48_dd_mean vs run
χ^2 / ndf 69.57 / 77
p0 3348 ± 2612
×10³
pull
Entries 78
Mean 432.2
Std Dev 397.4
pull1D
Entries 78
Mean −0.0108
Std Dev 0.9444


asym_sam_48_dd_rms vs run
χ2 / ndf 7252 / 77
p0 2245 ± 1.847
2600
2500
2400
2300
2200
2100
2000

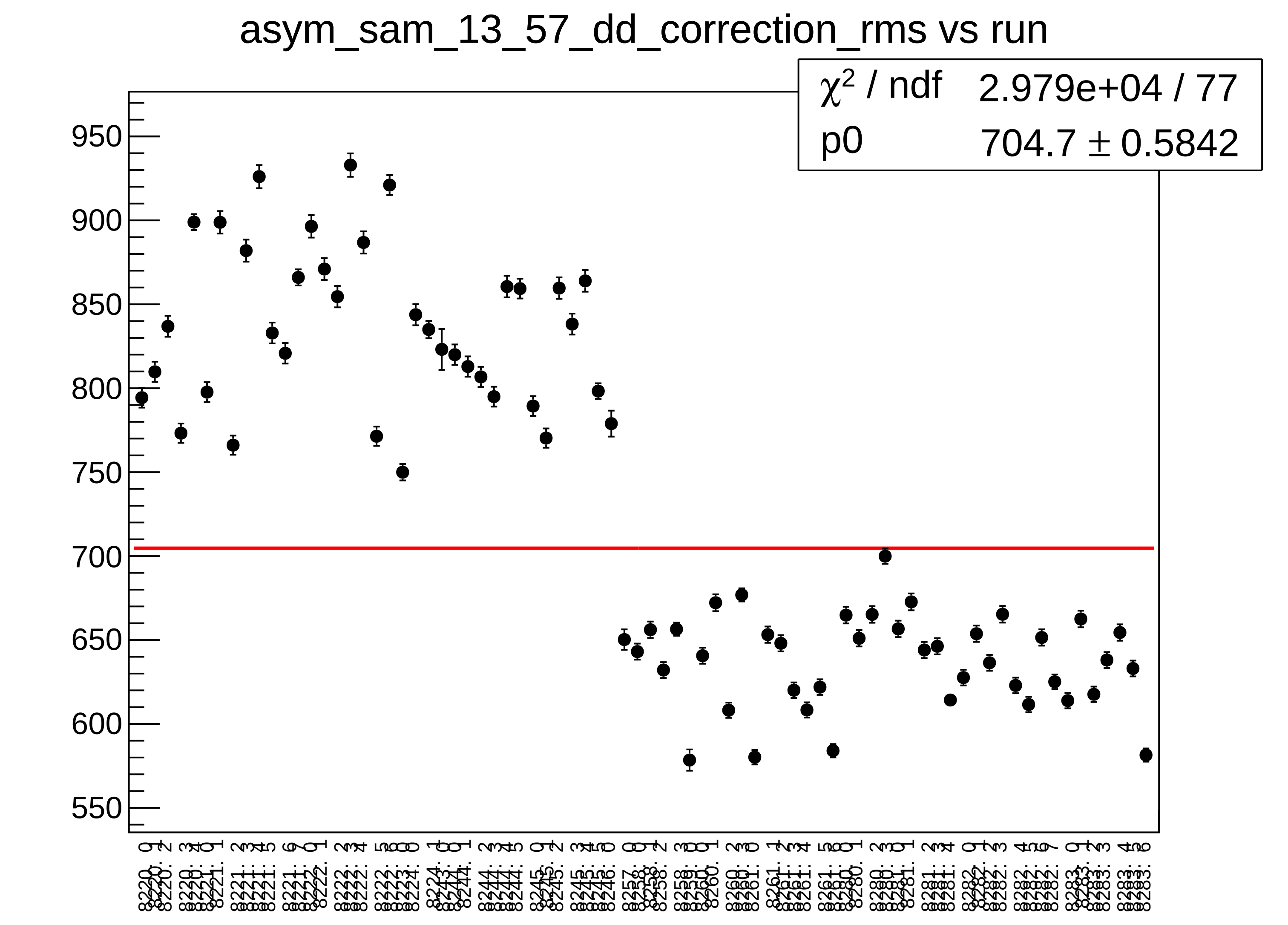


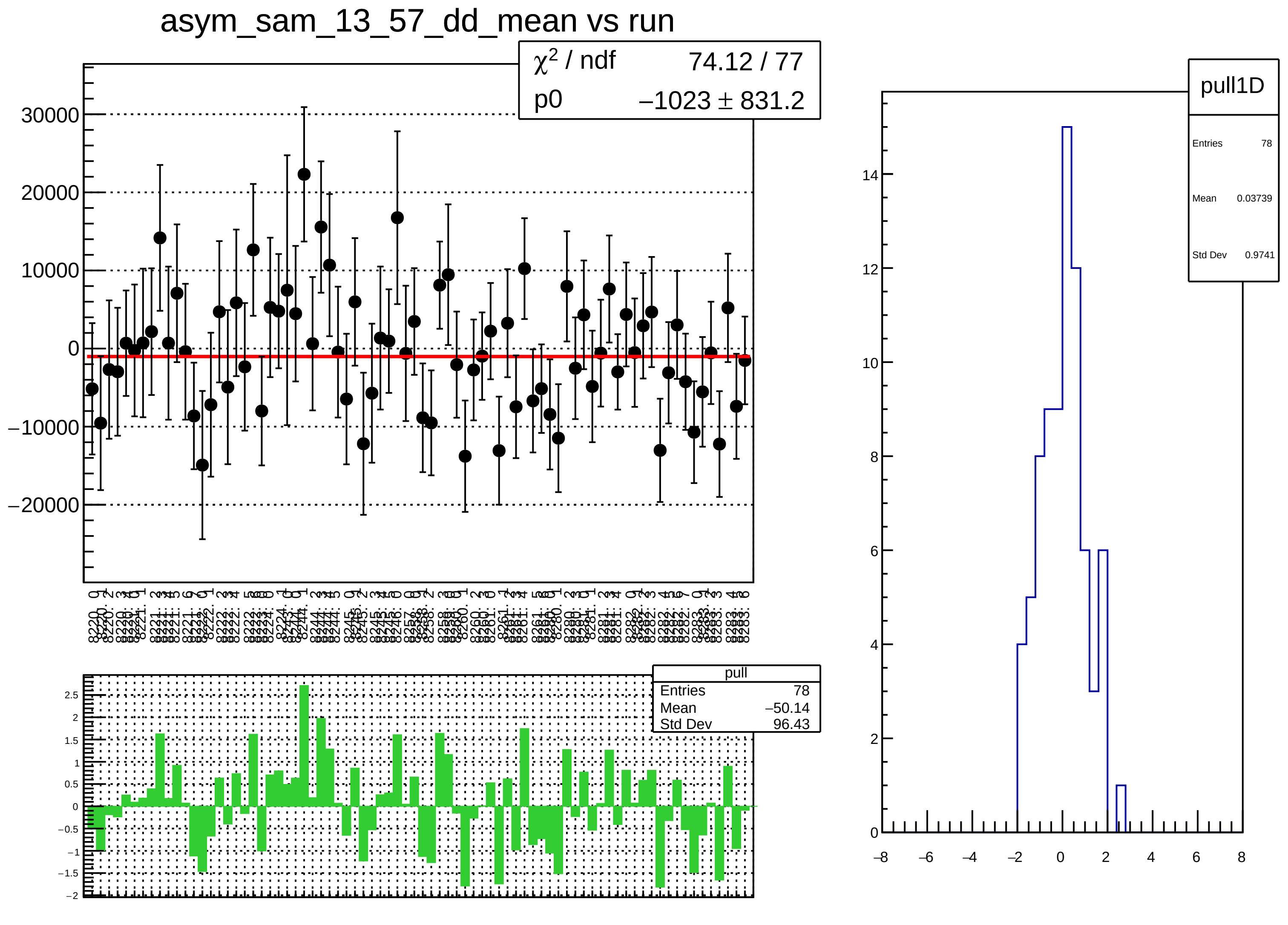
reg_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 86.04 / 77
p0 −100.9 ± 87.85
pull
Entries 78
Mean 30.55
Std Dev 28.08
pull1D
Entries 78
Mean 0.03836
Std Dev 1.05

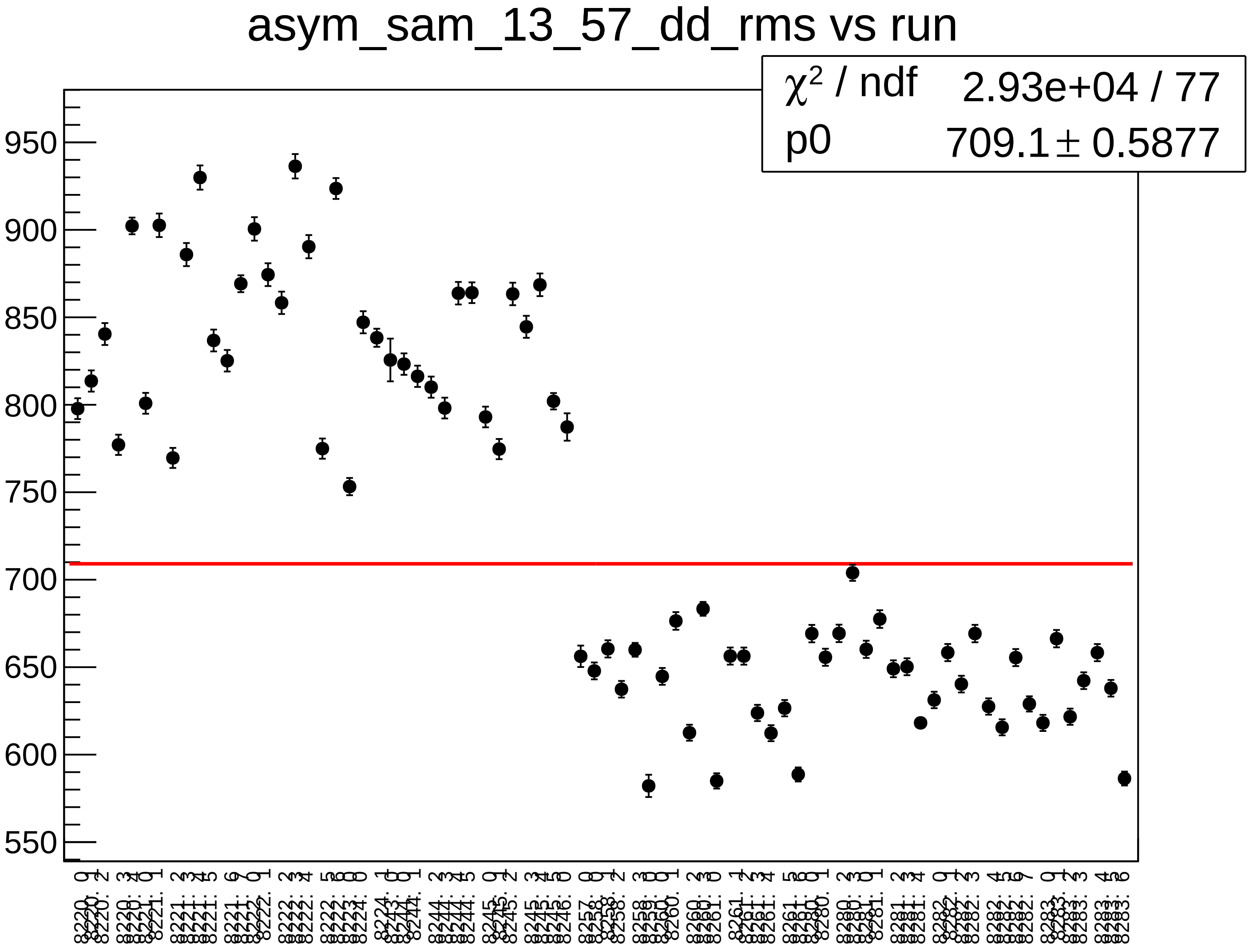

reg_asym_sam_13_57_dd_rms vs run
χ2 / ndf 1.168e+04 / 77
p0 75.39 ± 0.06212
120
110
100
90
80
70
60

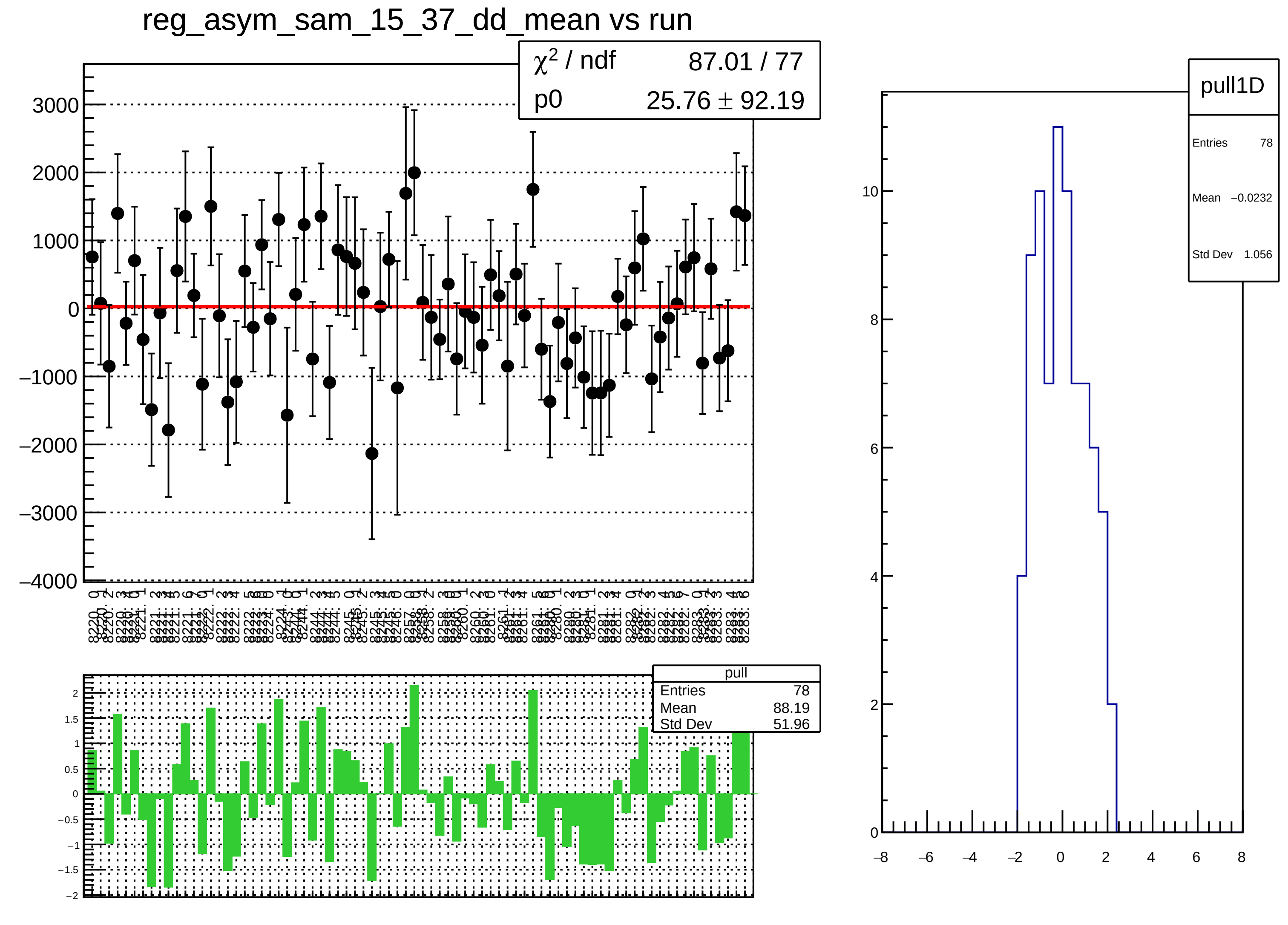


asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 74.84 / 77
p0 926.2 ± 826.2
pull
Entries 78
Mean −58.51
Std Dev 104.3
pull1D
Entries 78
Mean −0.03397
Std Dev 0.979

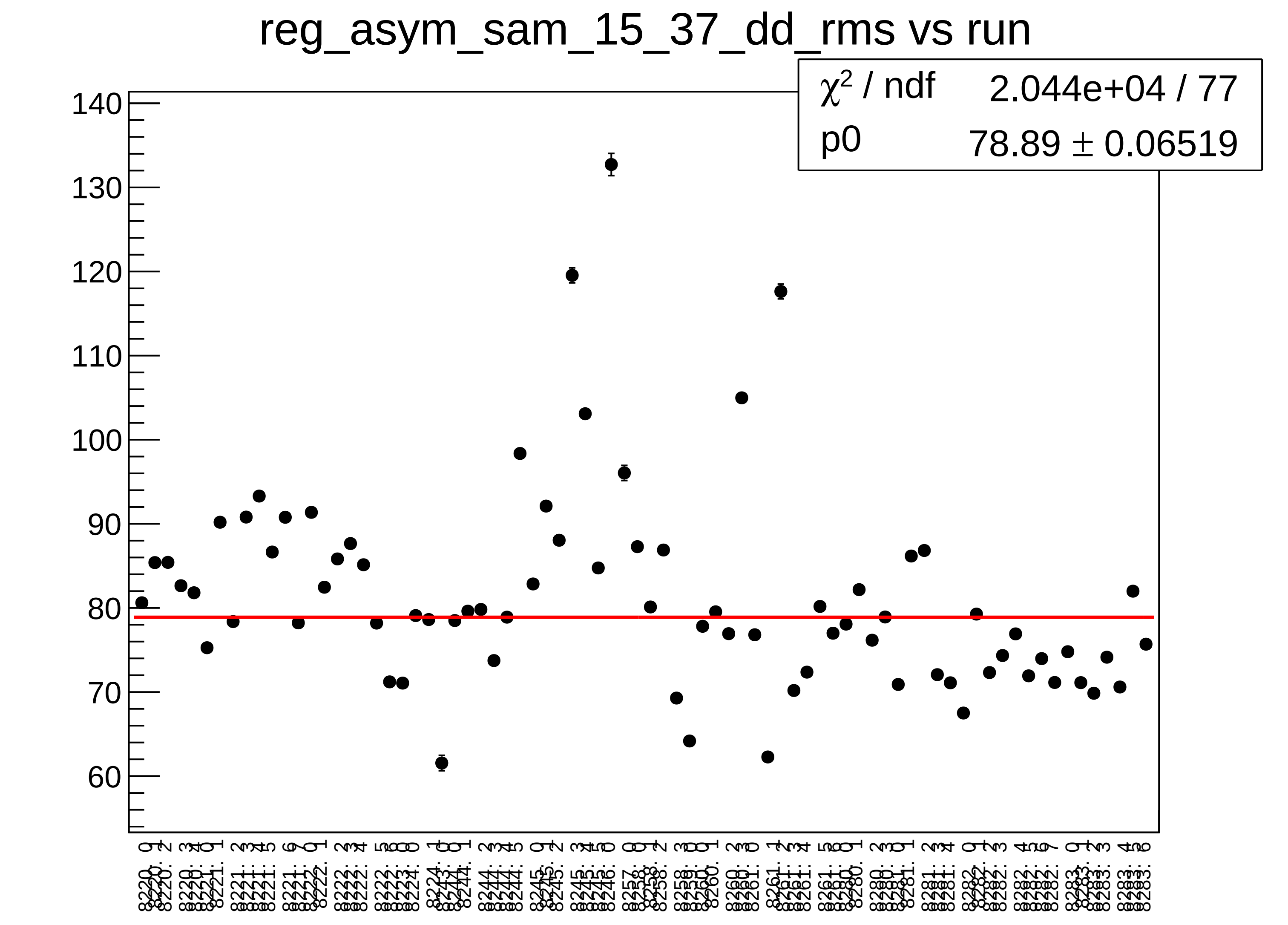

asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 2.979e+04 / 77
p0 704.7 ± 0.5842
950
900
850
800
750
700
650
600
550

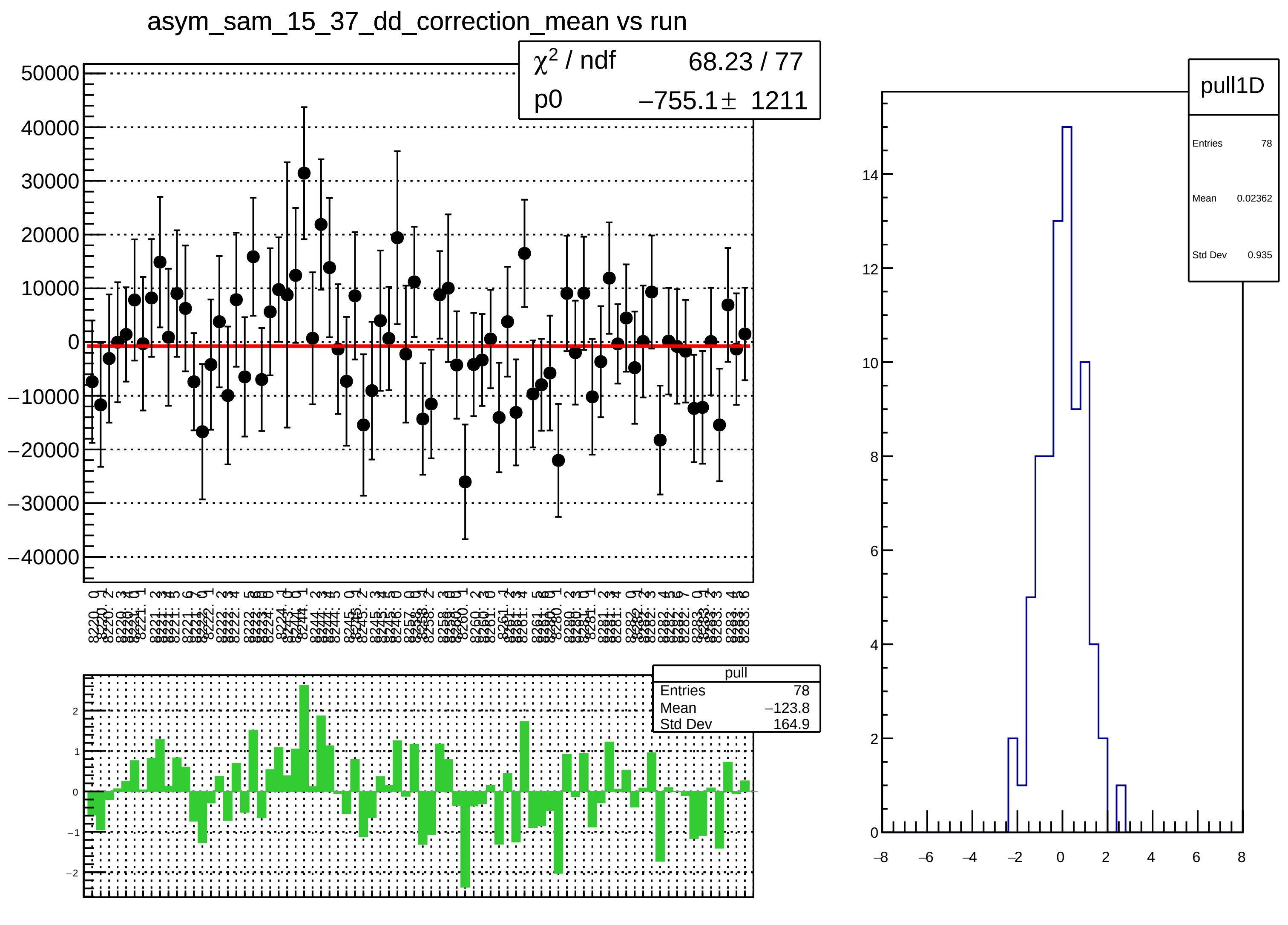

asym_sam_13_57_dd_mean vs run
χ^2 / ndf 74.12 / 77
p0 −1023 ± 831.2
pull
Entries 78
Mean −50.14
Std Dev 96.43
pull1D
Entries 78
Mean 0.03739
Std Dev 0.9741


asym_sam_13_57_dd_rms vs run
χ² / ndf 2.93e+04 / 77
p0 709.1 ± 0.5877
950
900
850
800
750
700
650
600
550

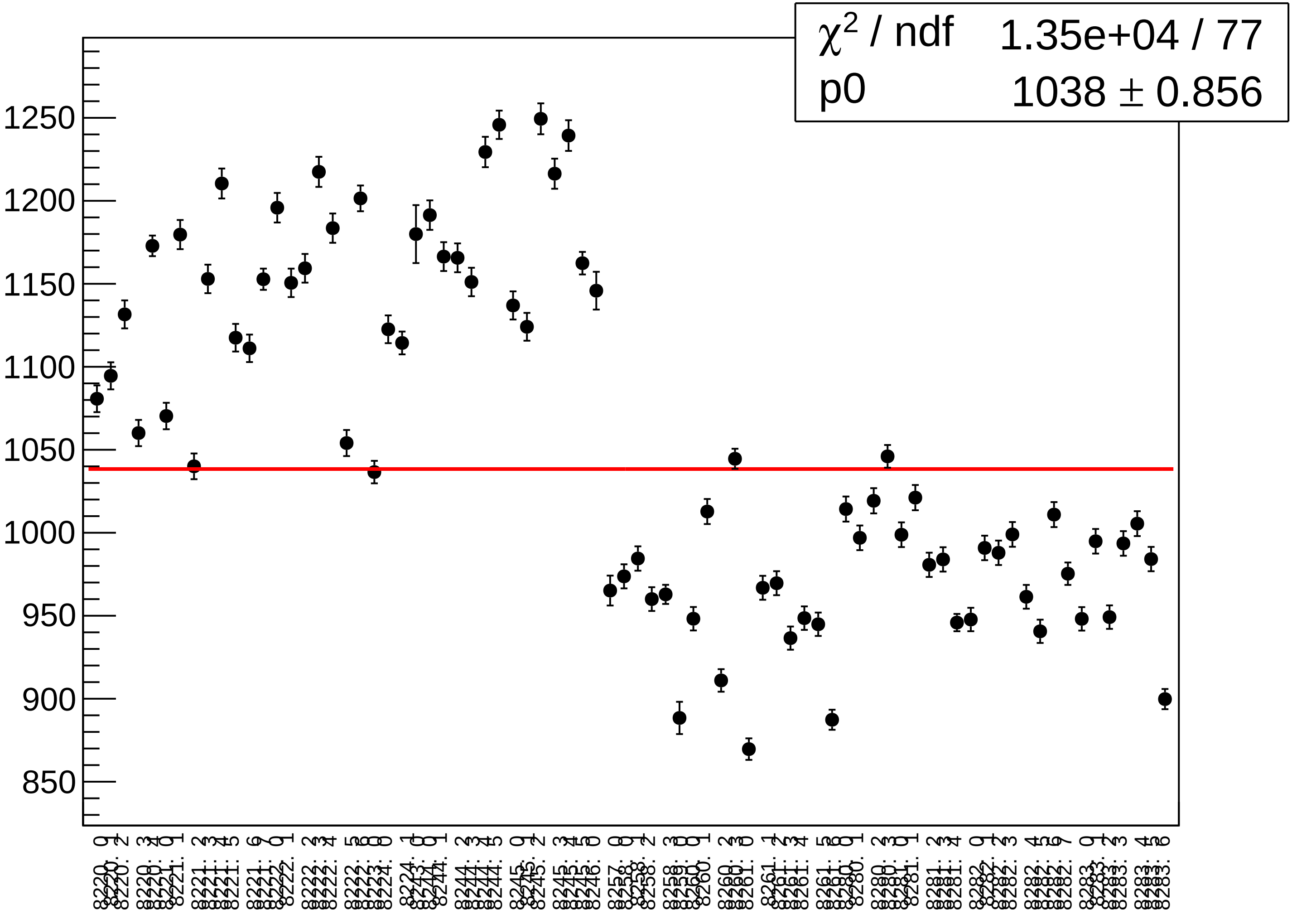


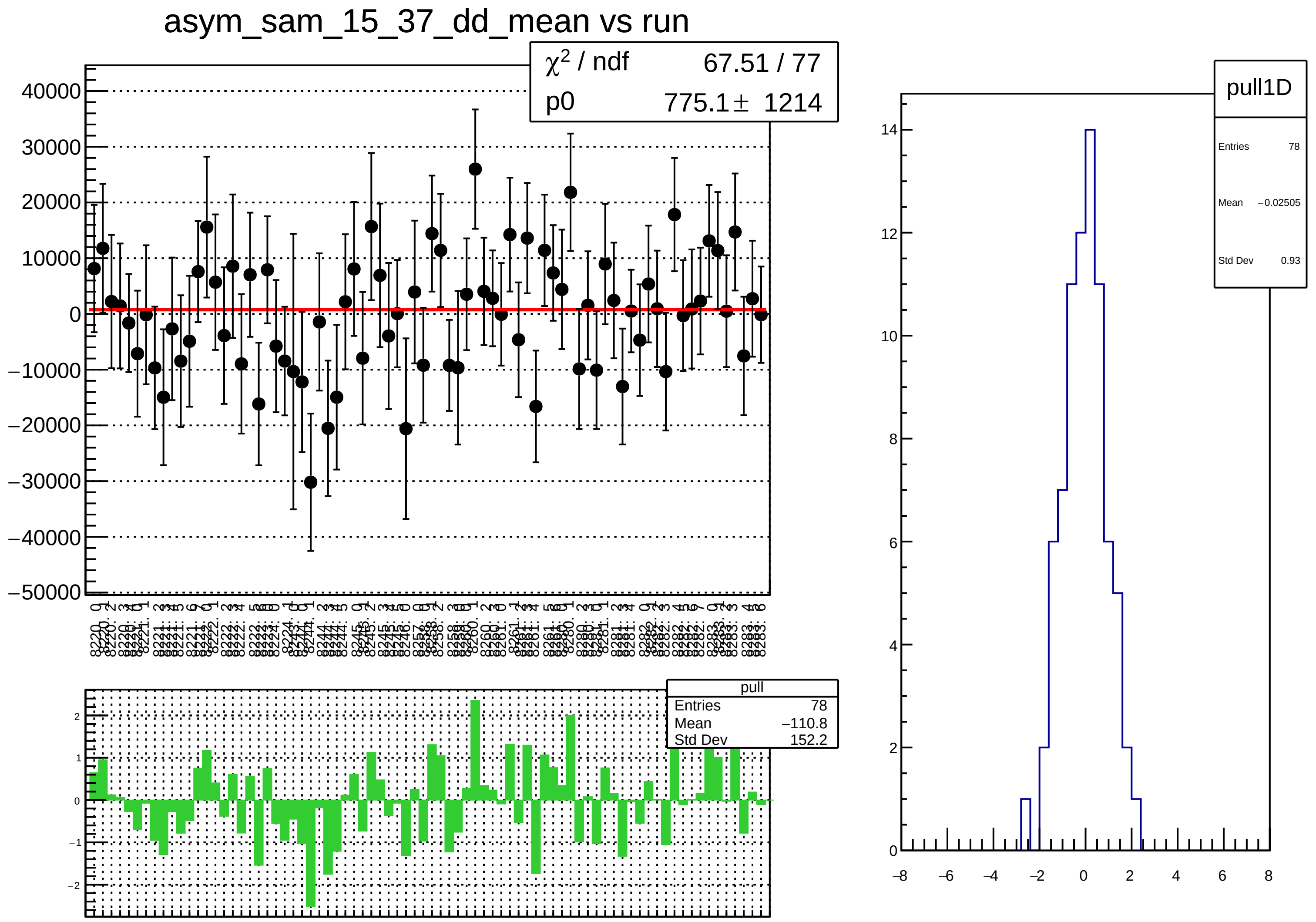
reg_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 87.01 / 77
p0 25.76 ± 92.19
pull
Entries 78
Mean 88.19
Std Dev 51.96
pull1D
Entries 78
Mean −0.0232
Std Dev 1.056

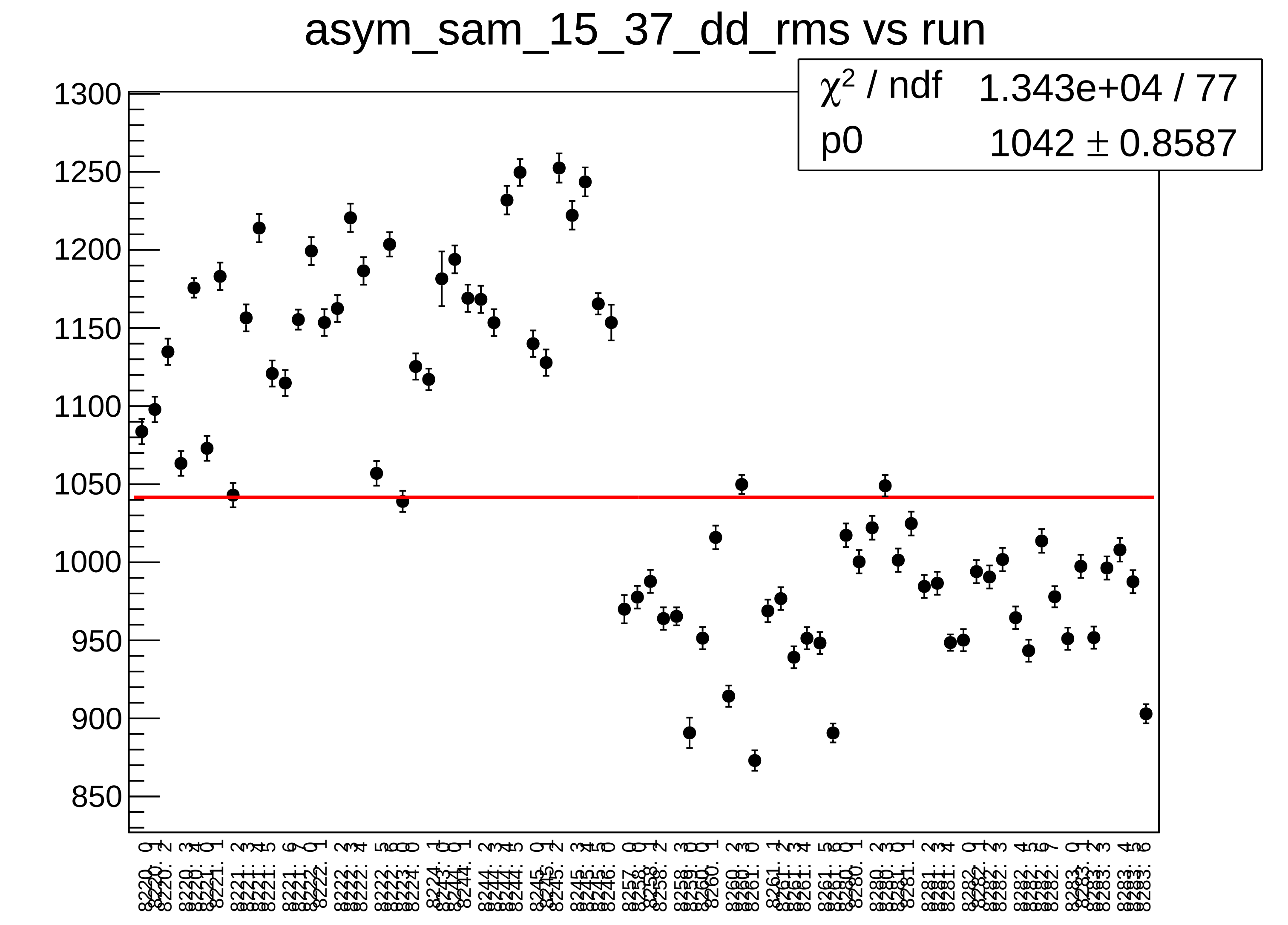

reg_asym_sam_15_37_dd_rms vs run
χ2 / ndf 2.044e+04 / 77
p0 78.89 ± 0.06519
140
130
120
110
100
90
80
70
60

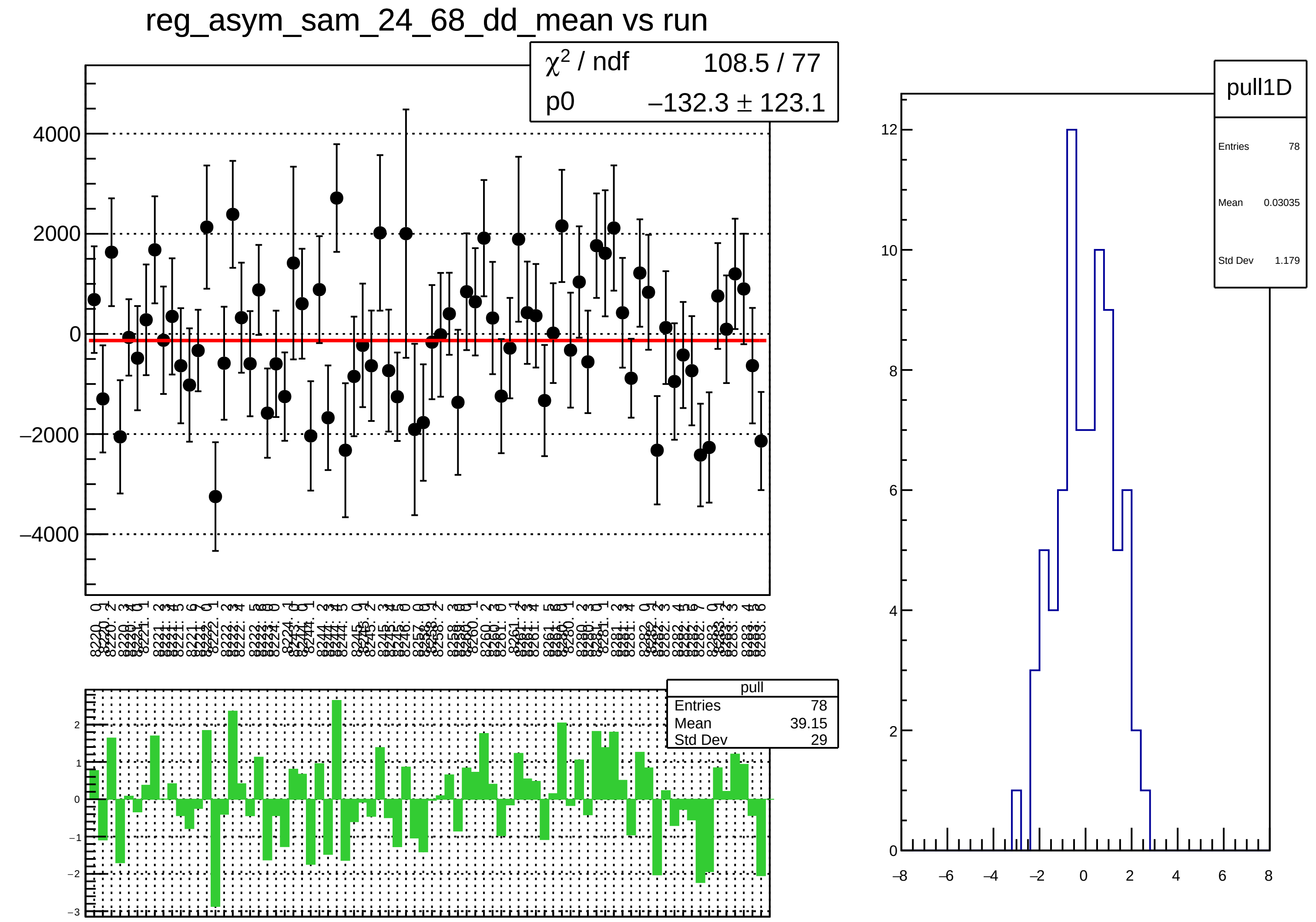

asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 68.23 / 77
p0 −755.1 ± 1211
pull
Entries 78
Mean −123.8
Std Dev 164.9
pull1D
Entries 78
Mean 0.02362
Std Dev 0.935

asym_sam_15_37_dd_correction_rms vs run

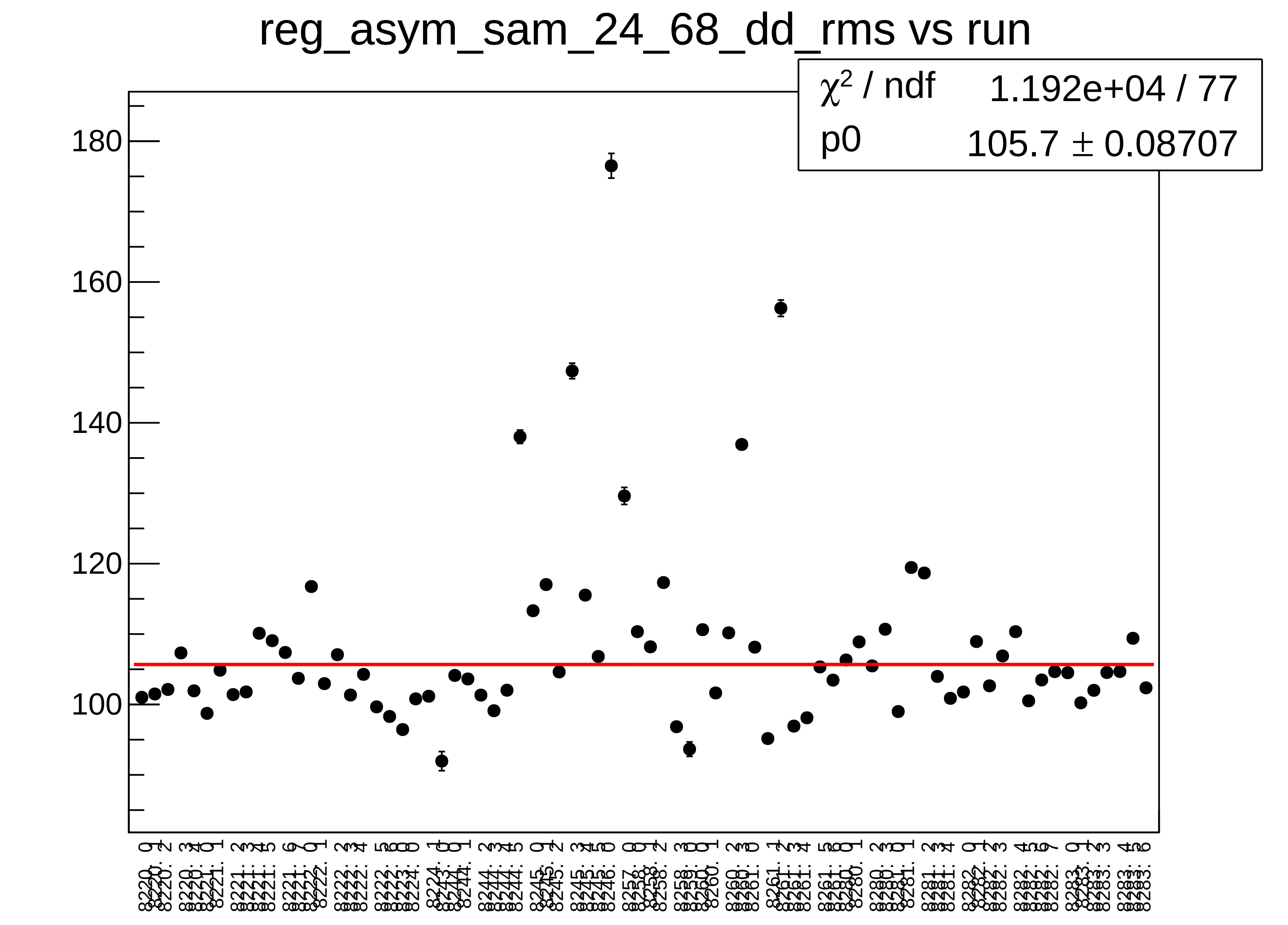



asym_sam_15_37_dd_mean vs run
χ^2 / ndf 67.51 / 77
p0 775.1 ± 1214
pull
Entries 78
Mean −110.8
Std Dev 152.2
pull1D
Entries 78
Mean −0.02505
Std Dev 0.93

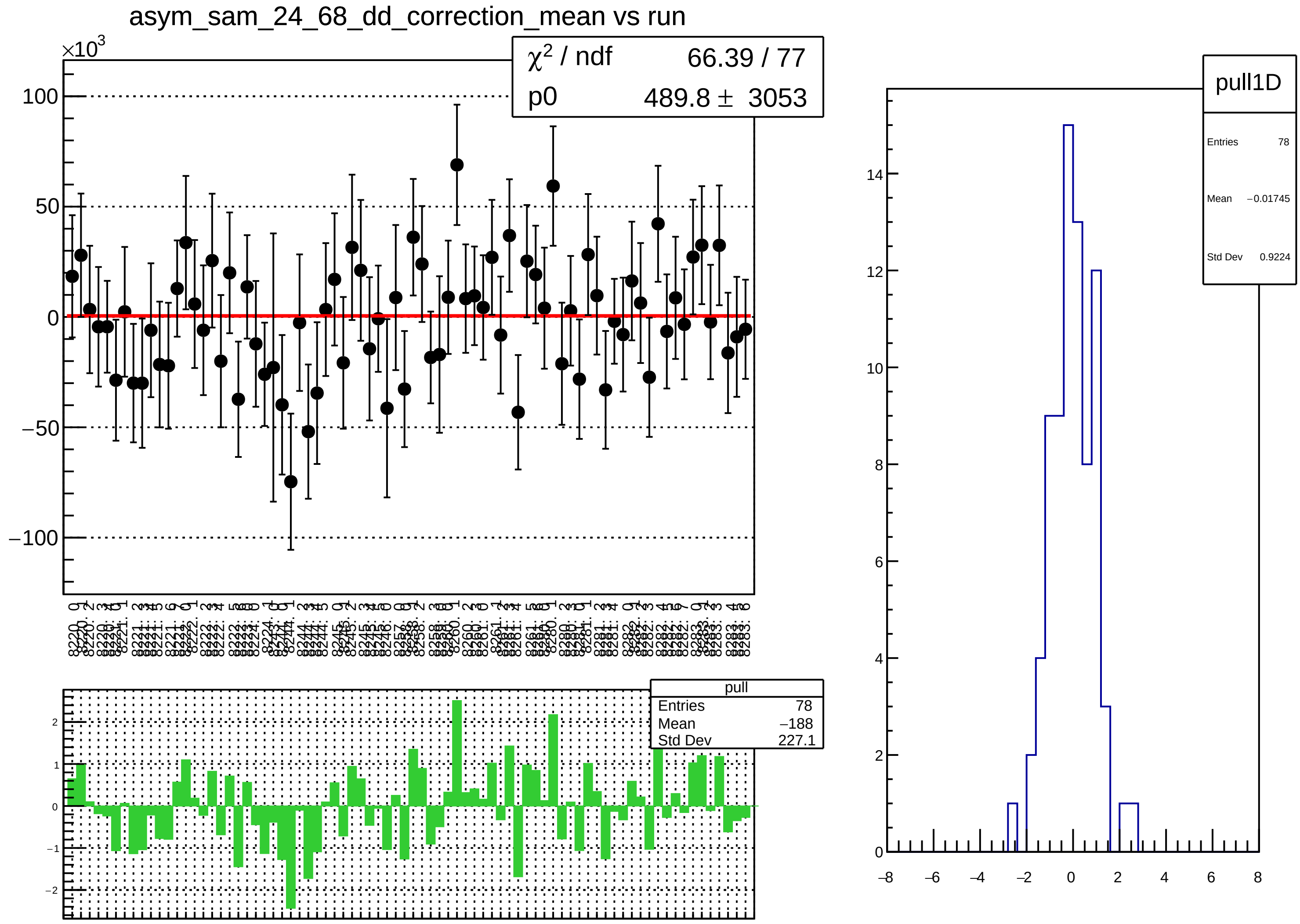

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.343e+04 / 77
p0 1042 ± 0.8587
1300
1250
1200
1150
1100
1050
1000
950
900
850



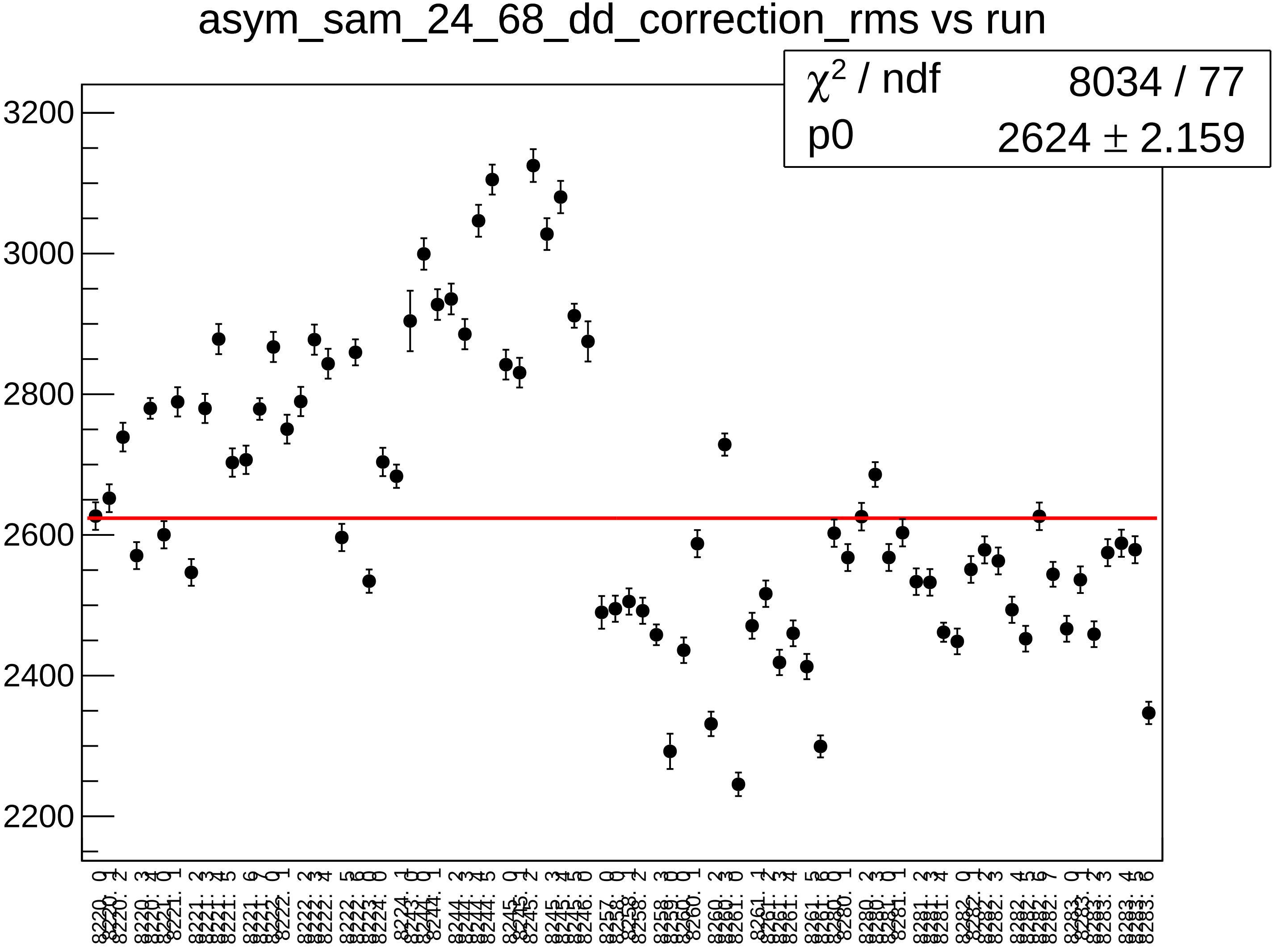
reg_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 108.5 / 77
p0 −132.3 ± 123.1
pull
Entries 78
Mean 39.15
Std Dev 29
pull1D
Entries 78
Mean 0.03035
Std Dev 1.179

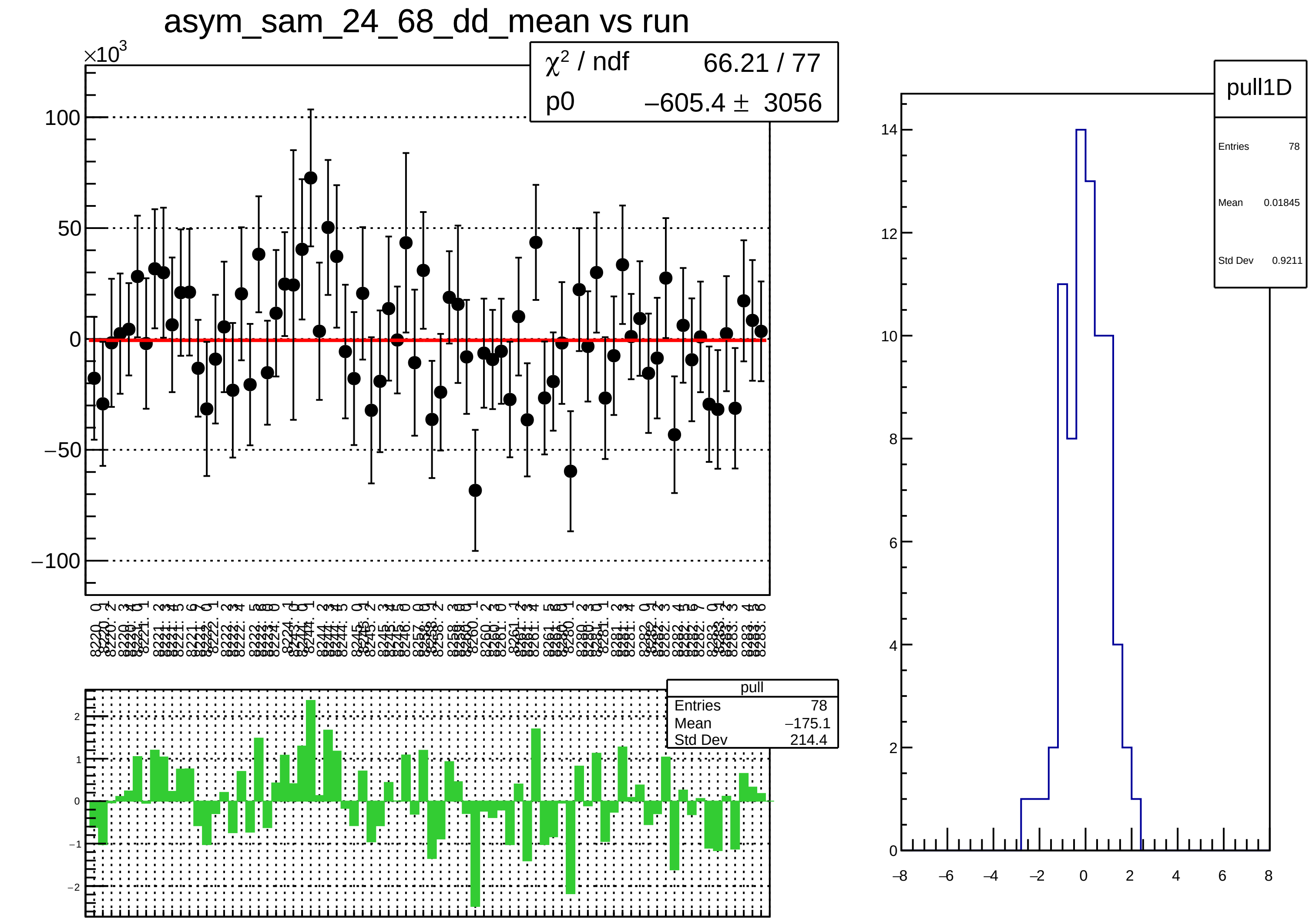


reg_asym_sam_24_68_dd_rms vs run
χ2 / ndf 1.192e+04 / 77
p0 105.7 ± 0.08707
180
160
140
120
100

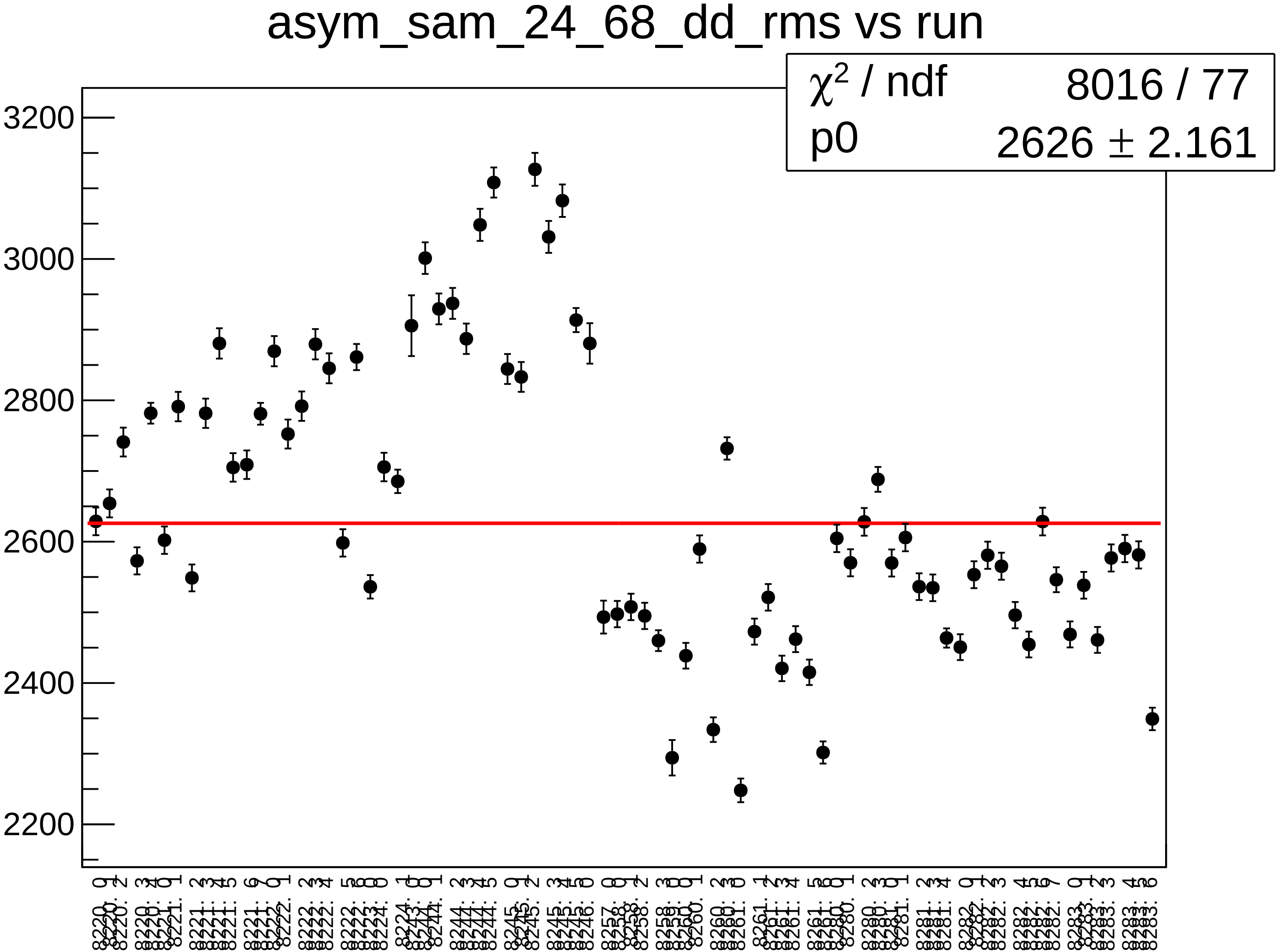


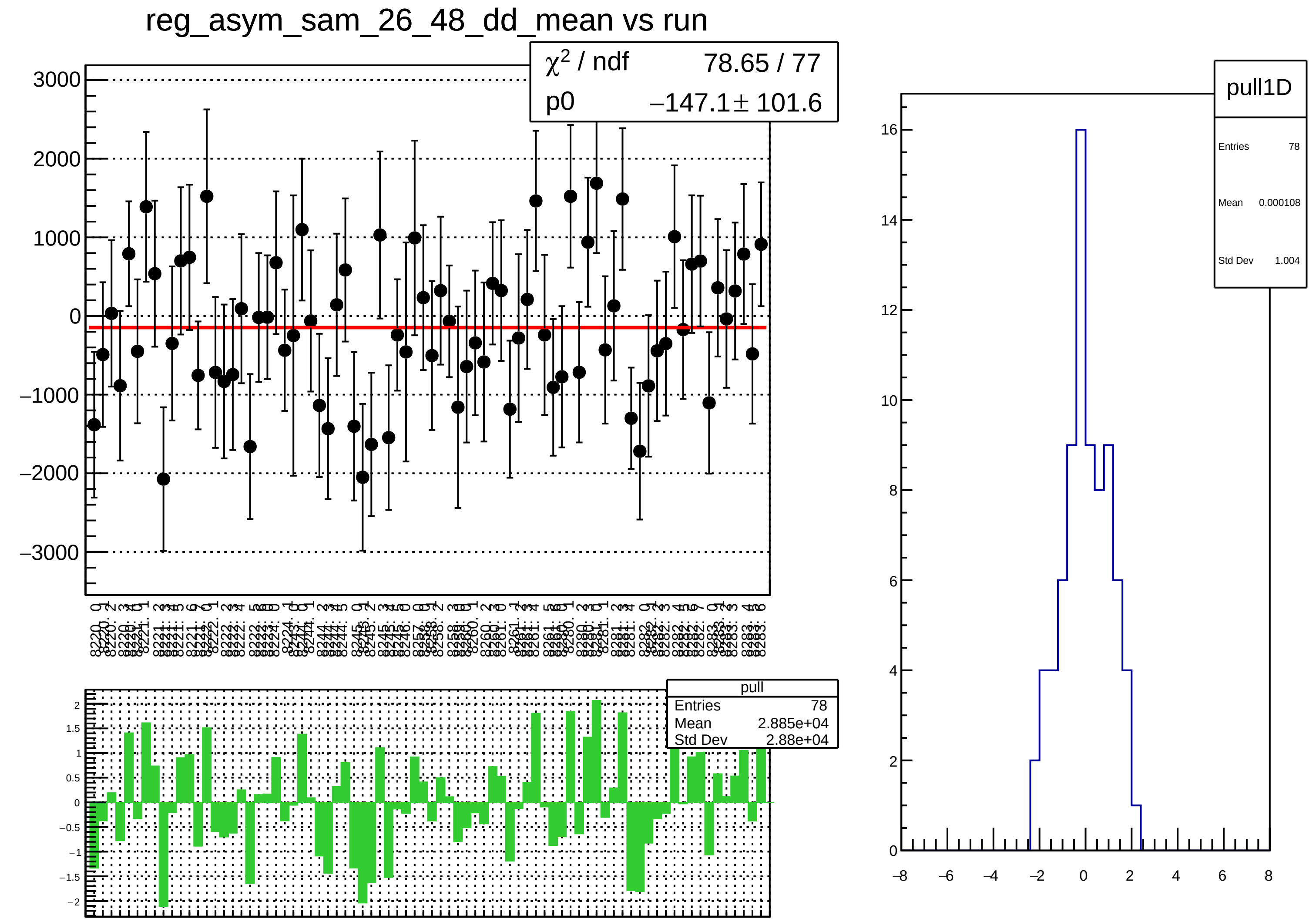
asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 66.39 / 77
p0 489.8 ± 3053
pull
Entries 78
Mean −188
Std Dev 227.1
pull1D
Entries 78
Mean −0.01745
Std Dev 0.9224

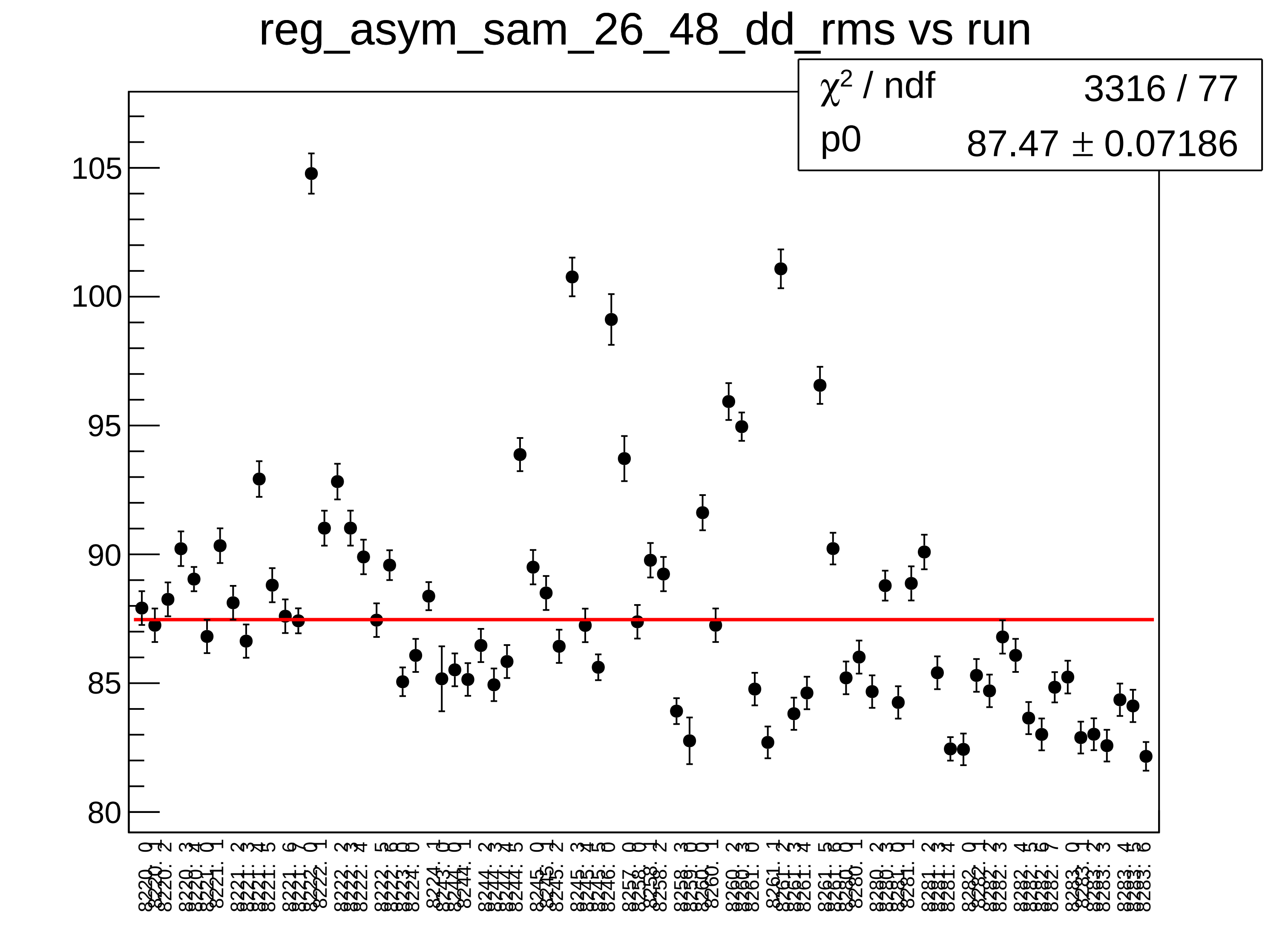

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 8034 / 77
p0 2624 ± 2.159
3200
3000
2800
2600
2400
2200

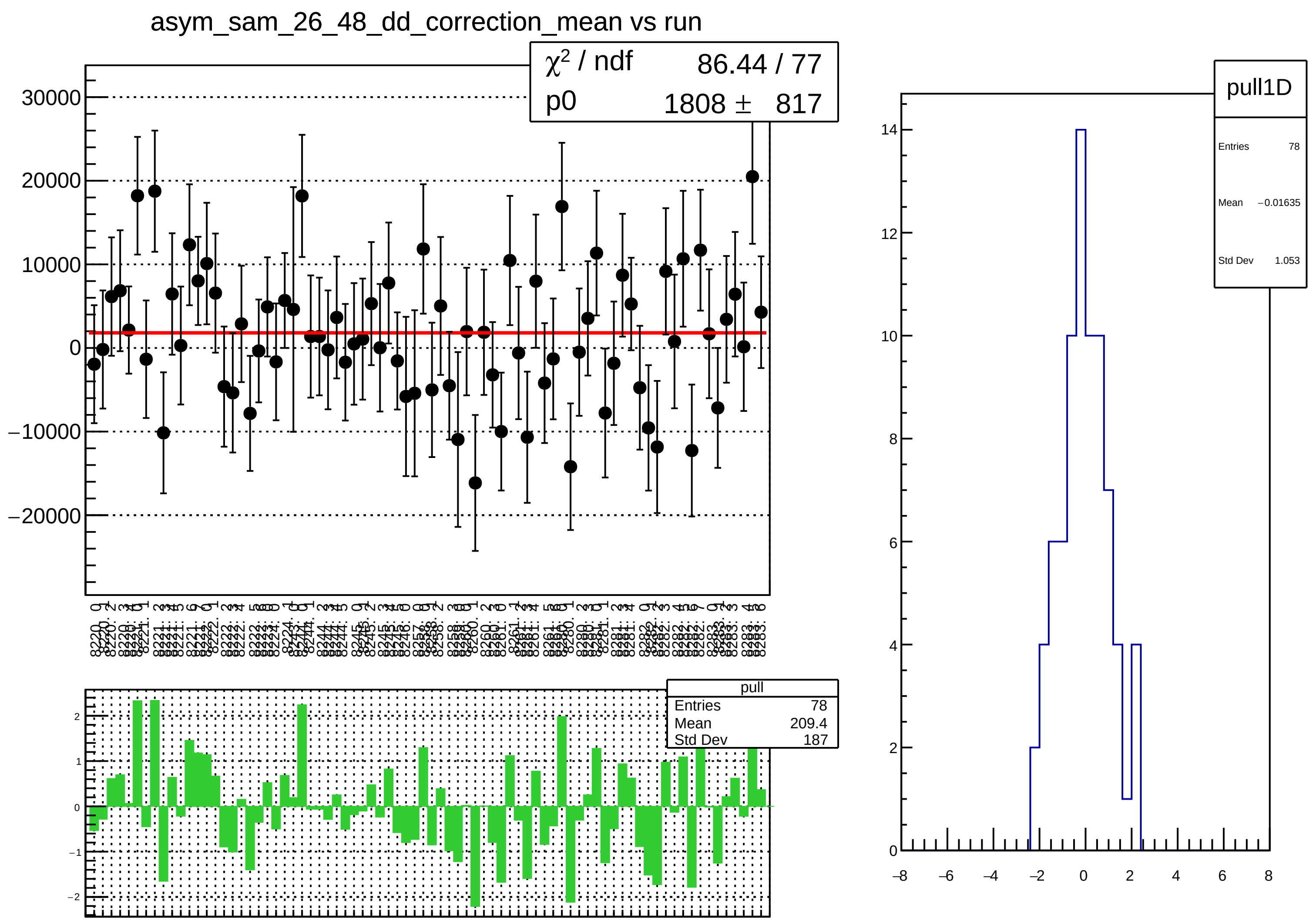


asym_sam_24_68_dd_mean vs run
χ^2 / ndf 66.21 / 77
p0 −605.4 ± 3056
pull
Entries 78
Mean −175.1
Std Dev 214.4
pull1D
Entries 78
Mean 0.01845
Std Dev 0.9211

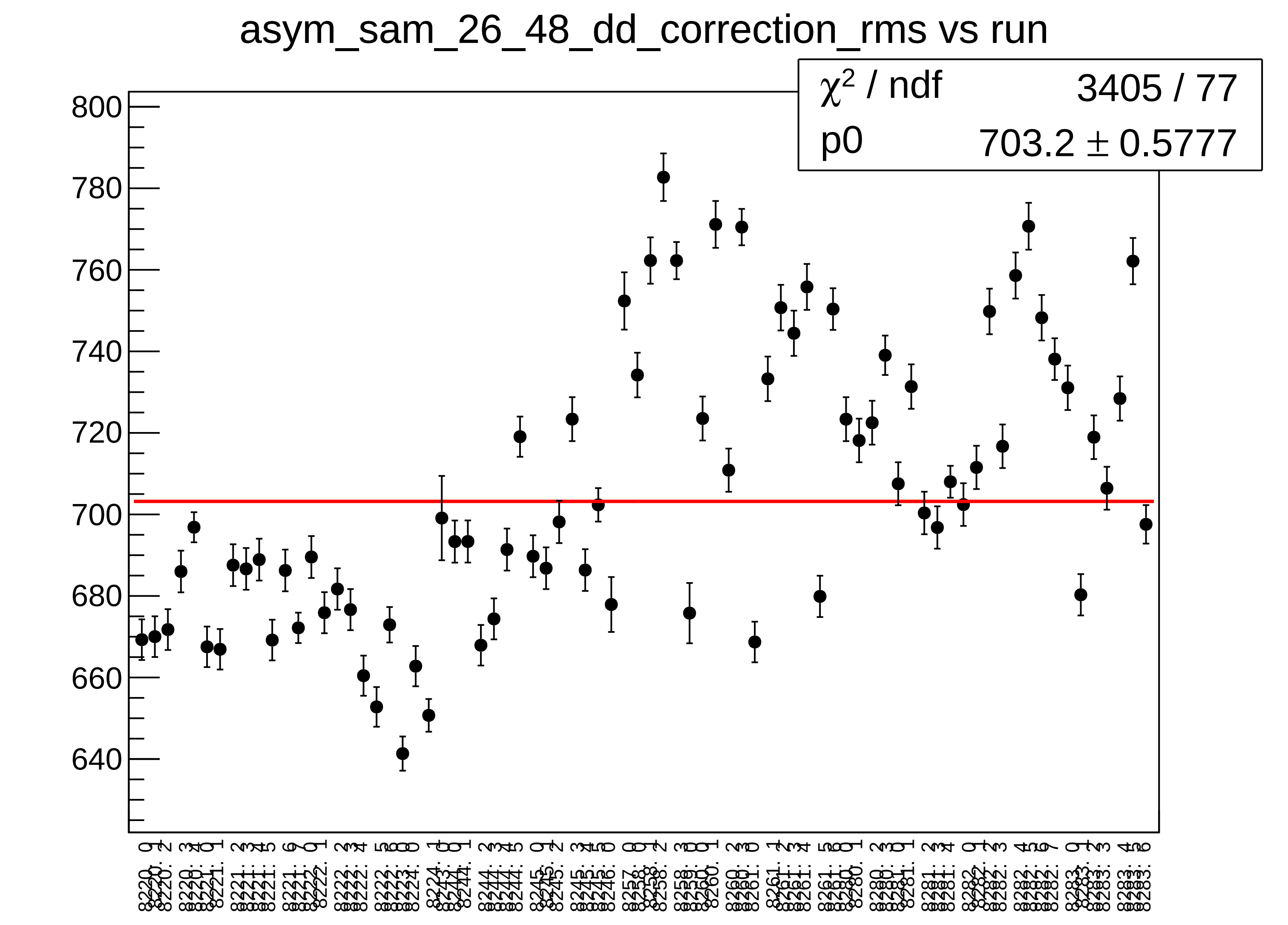

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 8016 / 77
p0 2626 ± 2.161
3200
3000
2800
2600
2400
2200

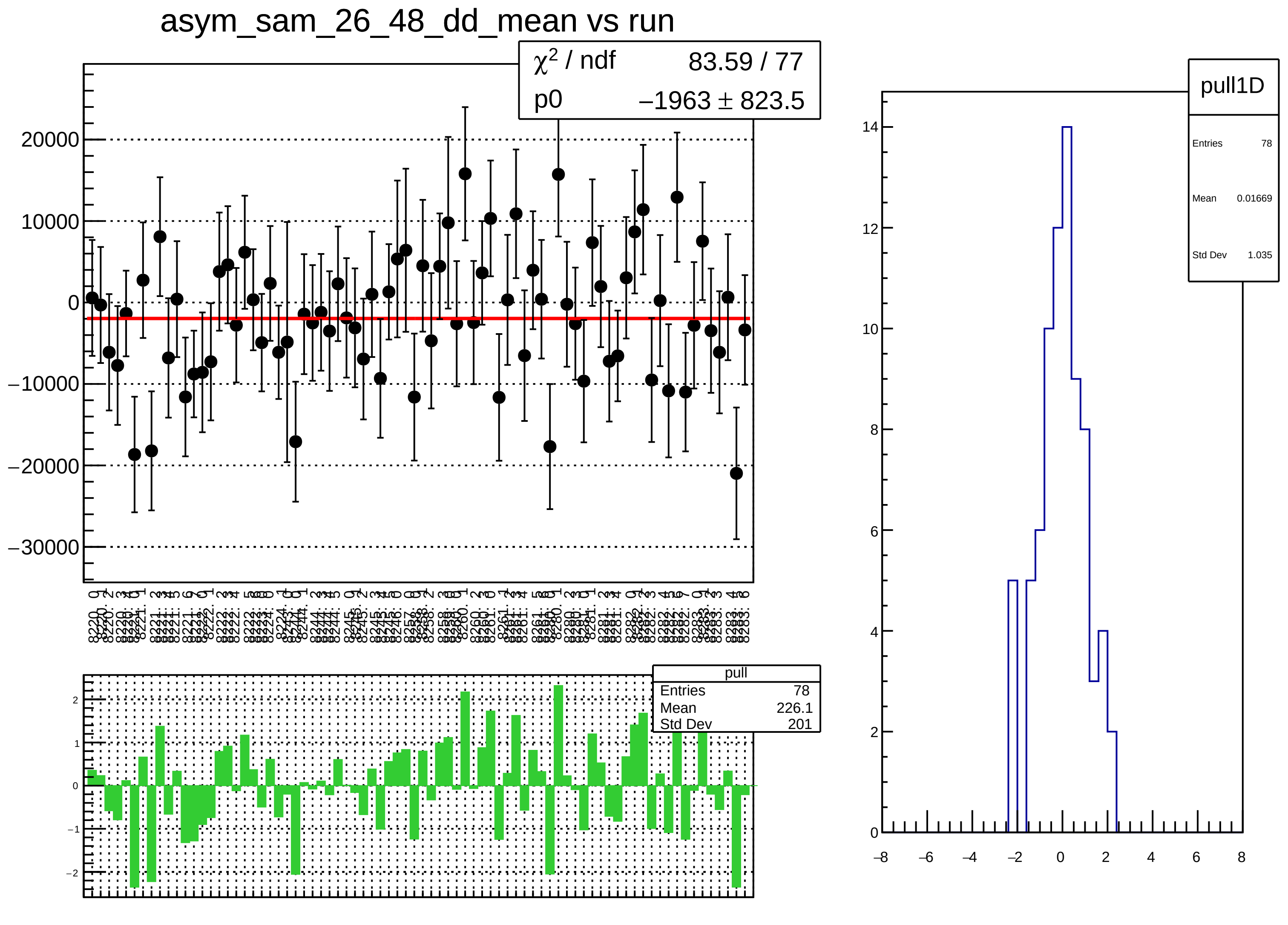

reg_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 78.65 / 77
p0 −147.1 ± 101.6
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 78
Mean 2.885e+04
Std Dev 2.88e+04
pull1D
Entries 78
Mean 0.000108
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_48_dd_rms vs run
χ2 / ndf 3316 / 77
p0 87.47 ± 0.07186
105
100
95
90
85
80

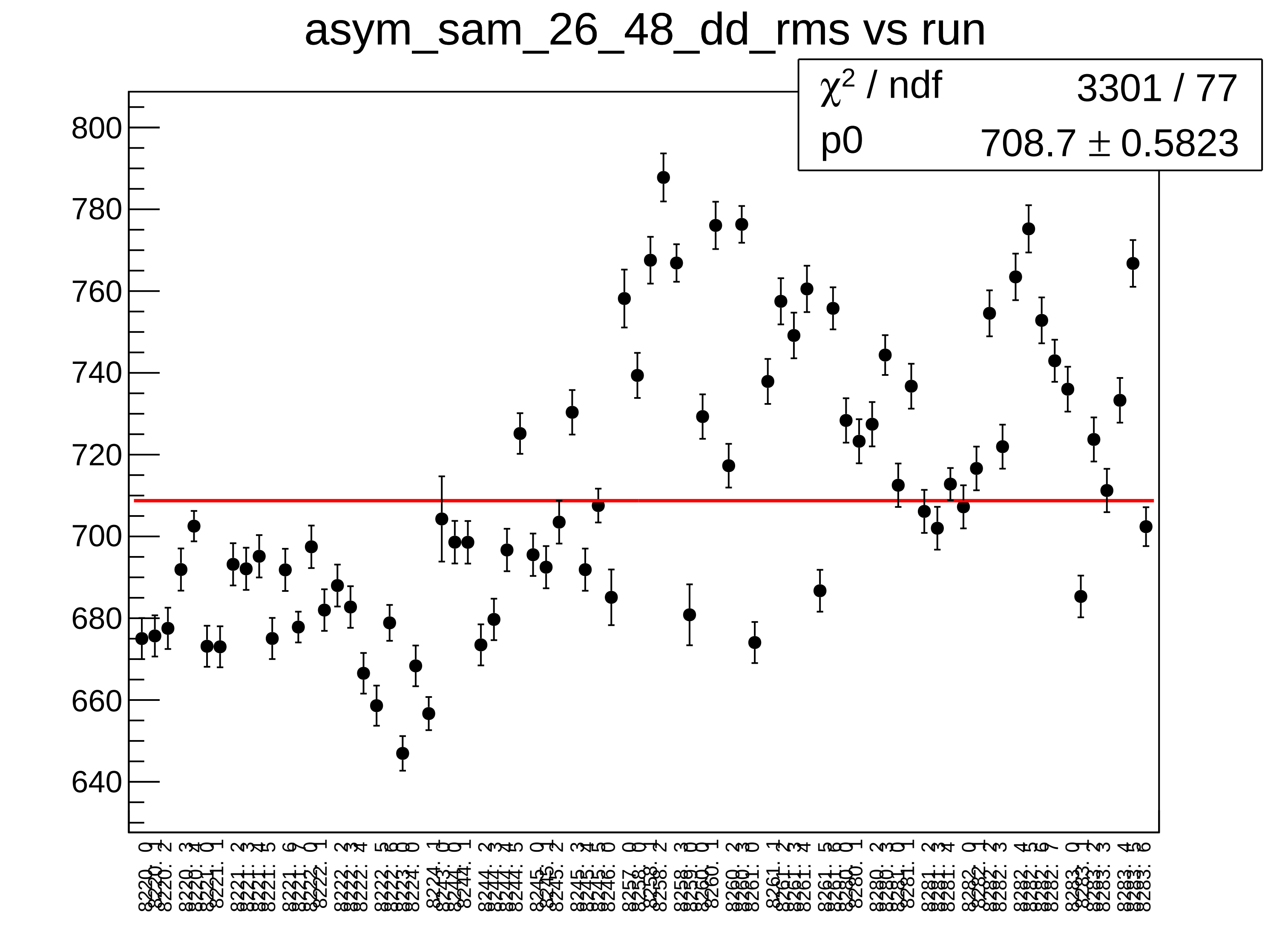


asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 86.44 / 77
p0 1808 ± 817
pull
Entries 78
Mean 209.4
Std Dev 187
pull1D
Entries 78
Mean −0.01635
Std Dev 1.053

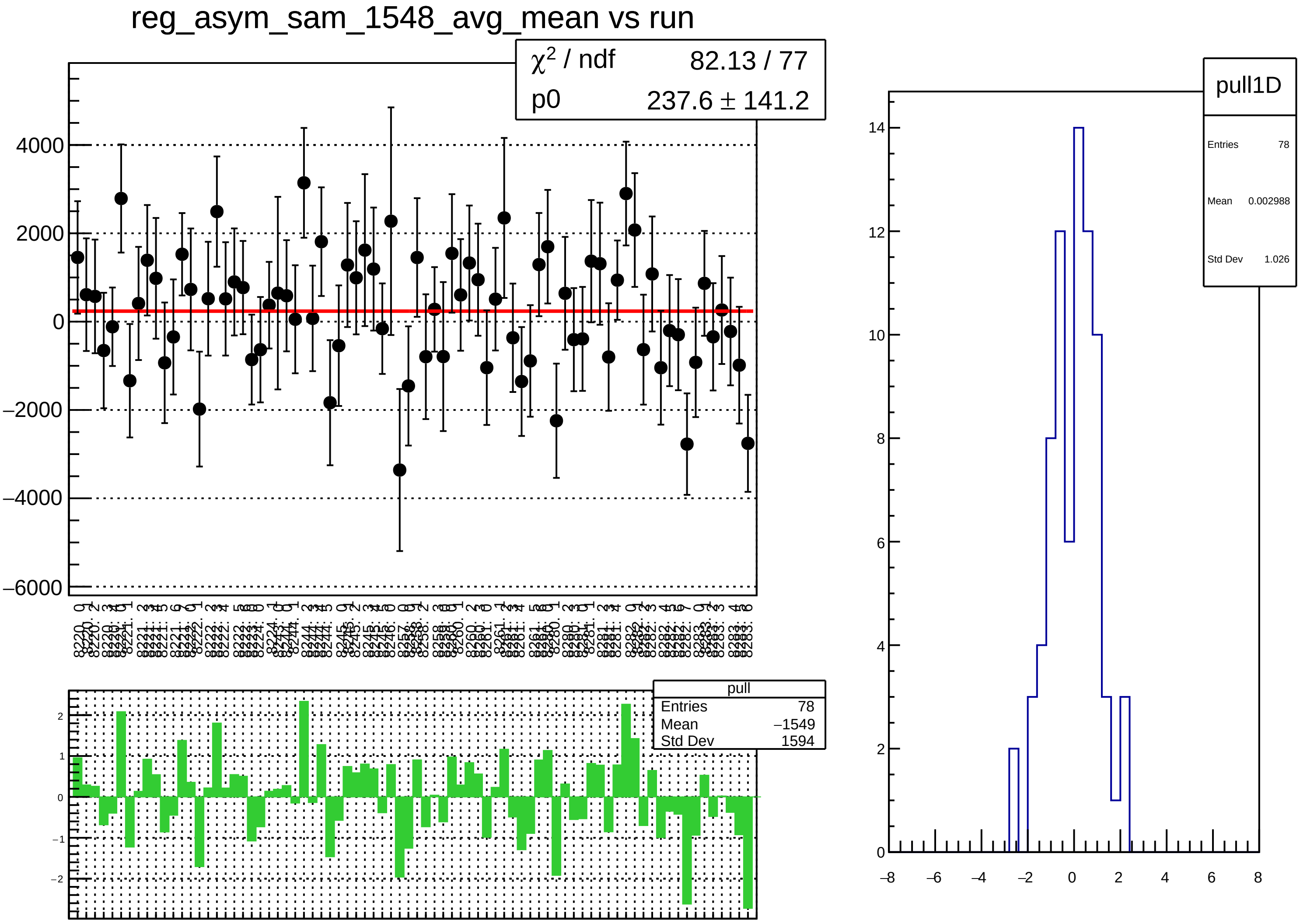

asym_sam_26_48_dd_correction_rms vs run
χ^2 / ndf 3405 / 77
p0 703.2 ± 0.5777
800
780
760
740
720
700
680
660
640



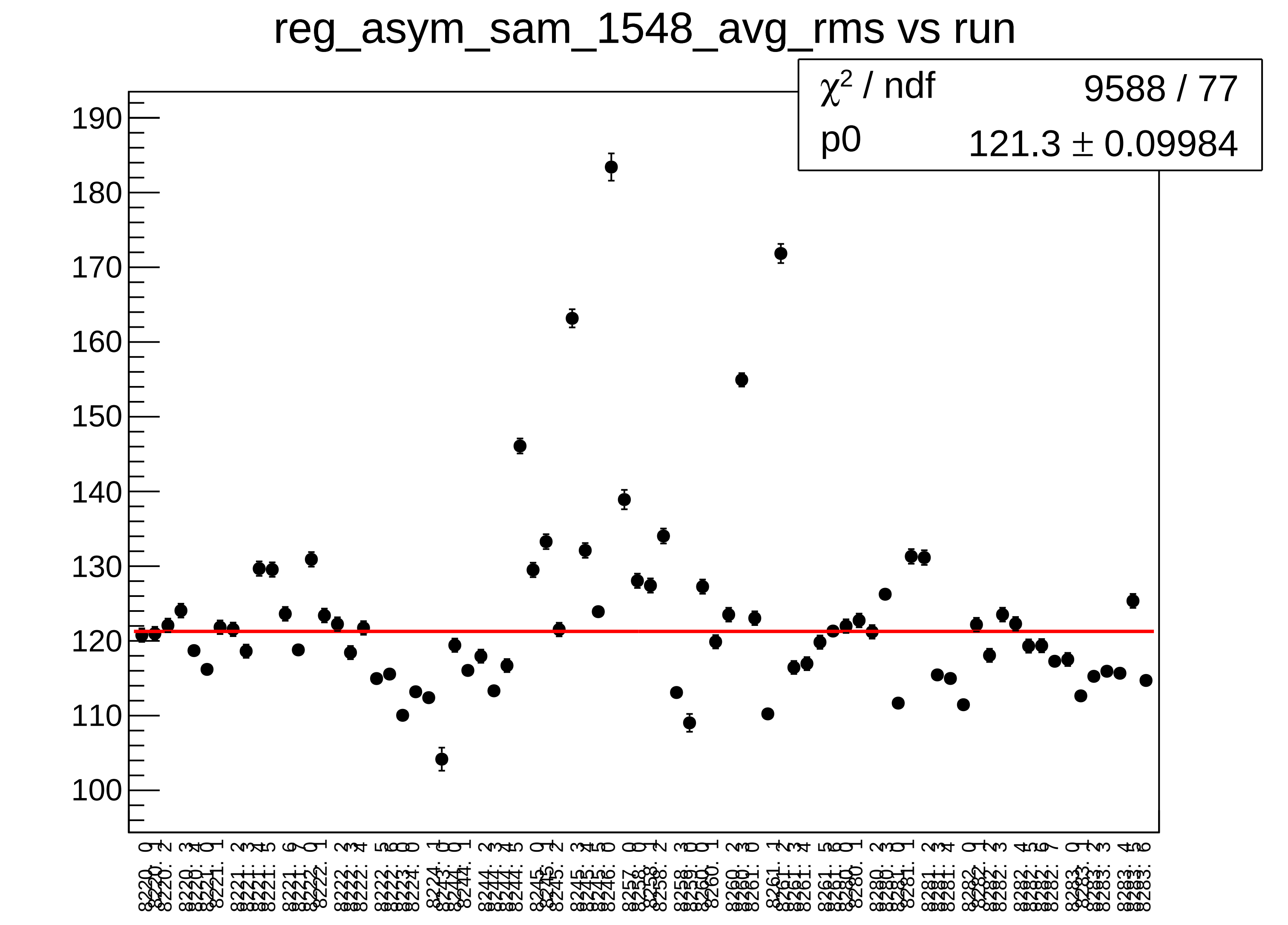
asym_sam_26_48_dd_mean vs run
χ^2 / ndf 83.59 / 77
p0 −1963 ± 823.5
pull
Entries 78
Mean 226.1
Std Dev 201
pull1D
Entries 78
Mean 0.01669
Std Dev 1.035



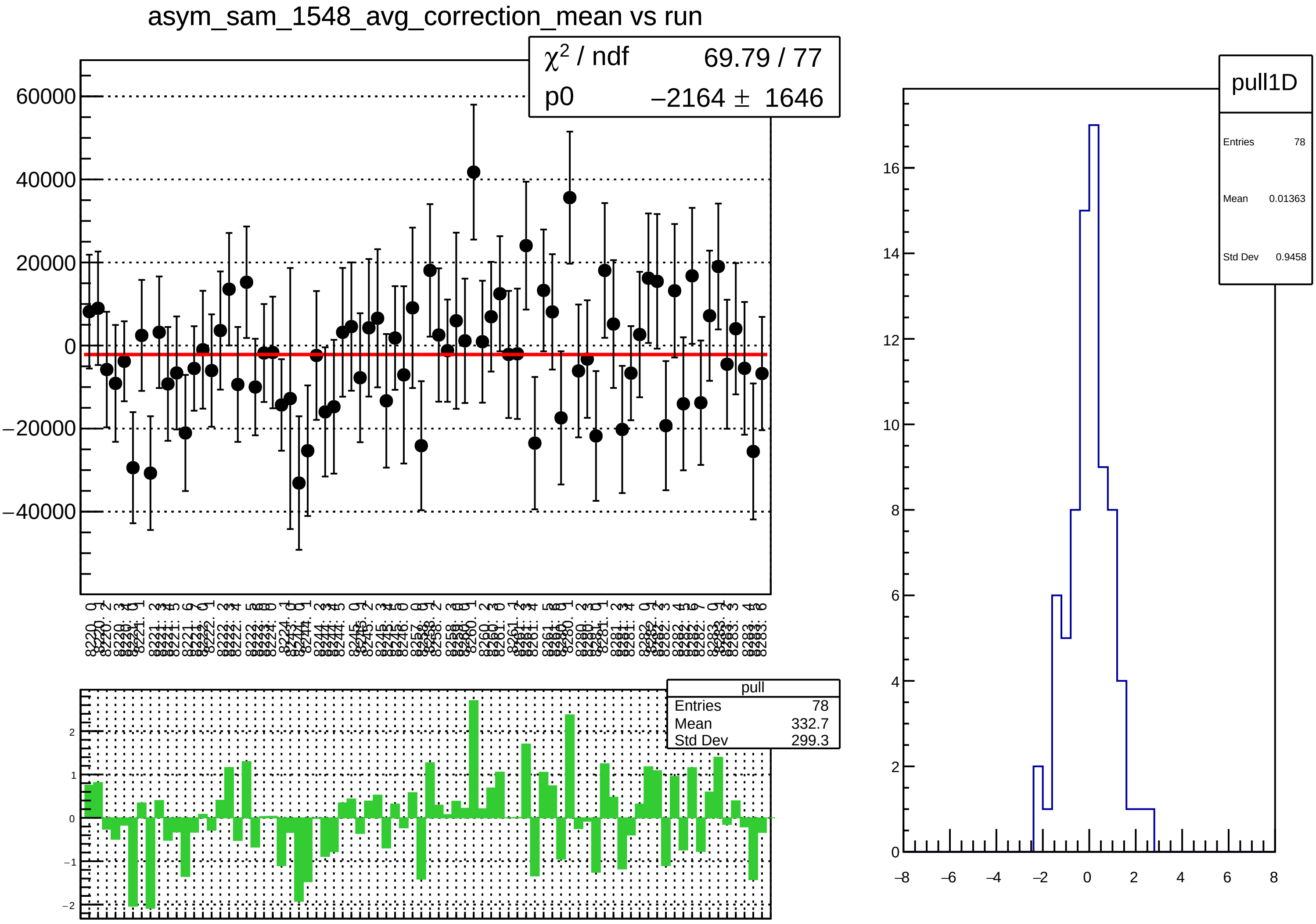
asym_sam_26_48_dd_rms vs run
χ^2 / ndf 3301 / 77
p0 708.7 ± 0.5823
800
780
760
740
720
700
680
660
640



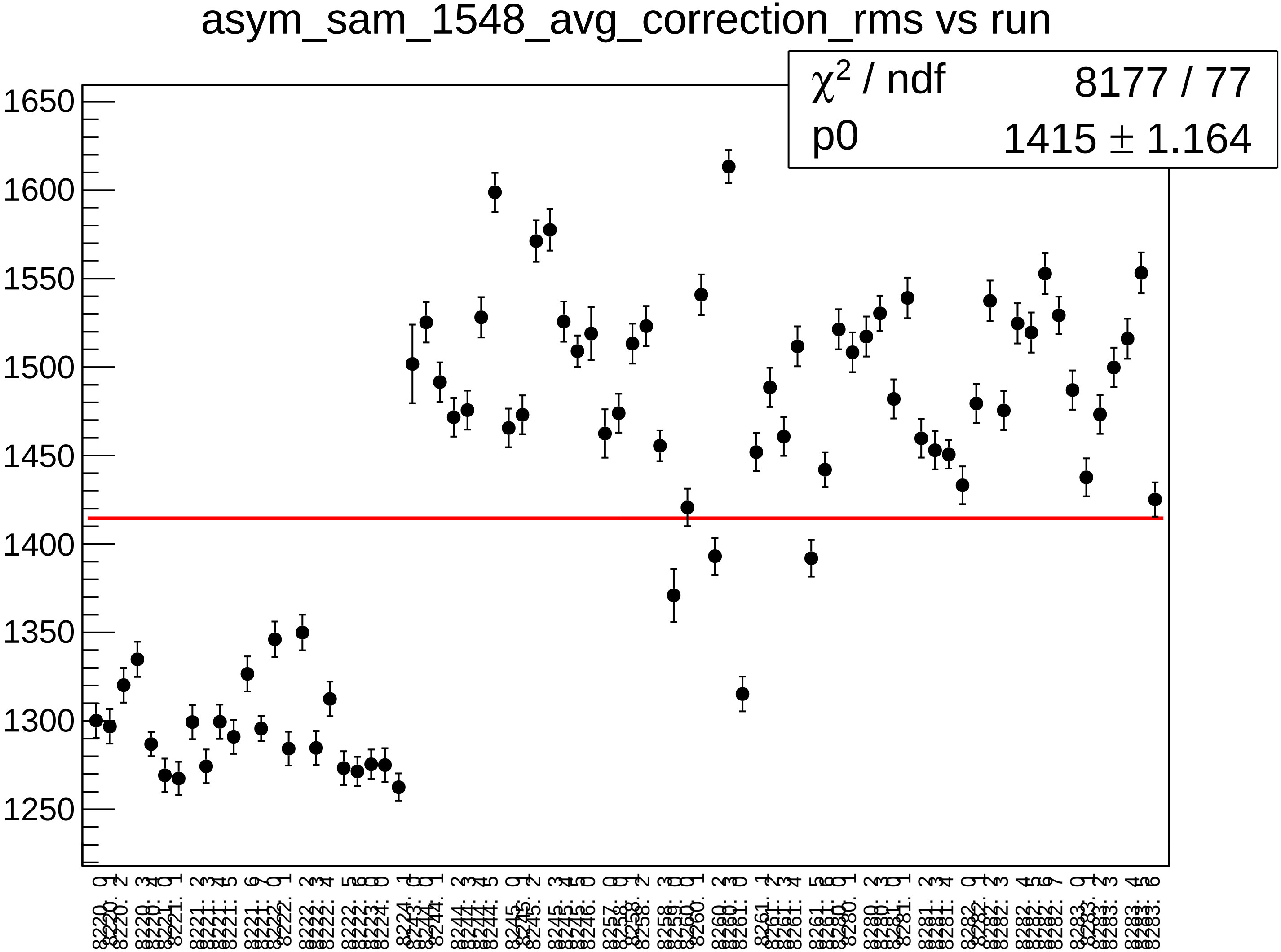
reg_asym_sam_1548_avg_mean vs run
χ^2 / ndf 82.13 / 77
p0 237.6 ± 141.2
pull
Entries 78
Mean −1549
Std Dev 1594
pull1D
Entries 78
Mean 0.002988
Std Dev 1.026



reg_asym_sam_1548_avg_rms vs run
χ2 / ndf 9588 / 77
p0 121.3 ± 0.09984
190
180
170
160
150
140
130
120
110
100

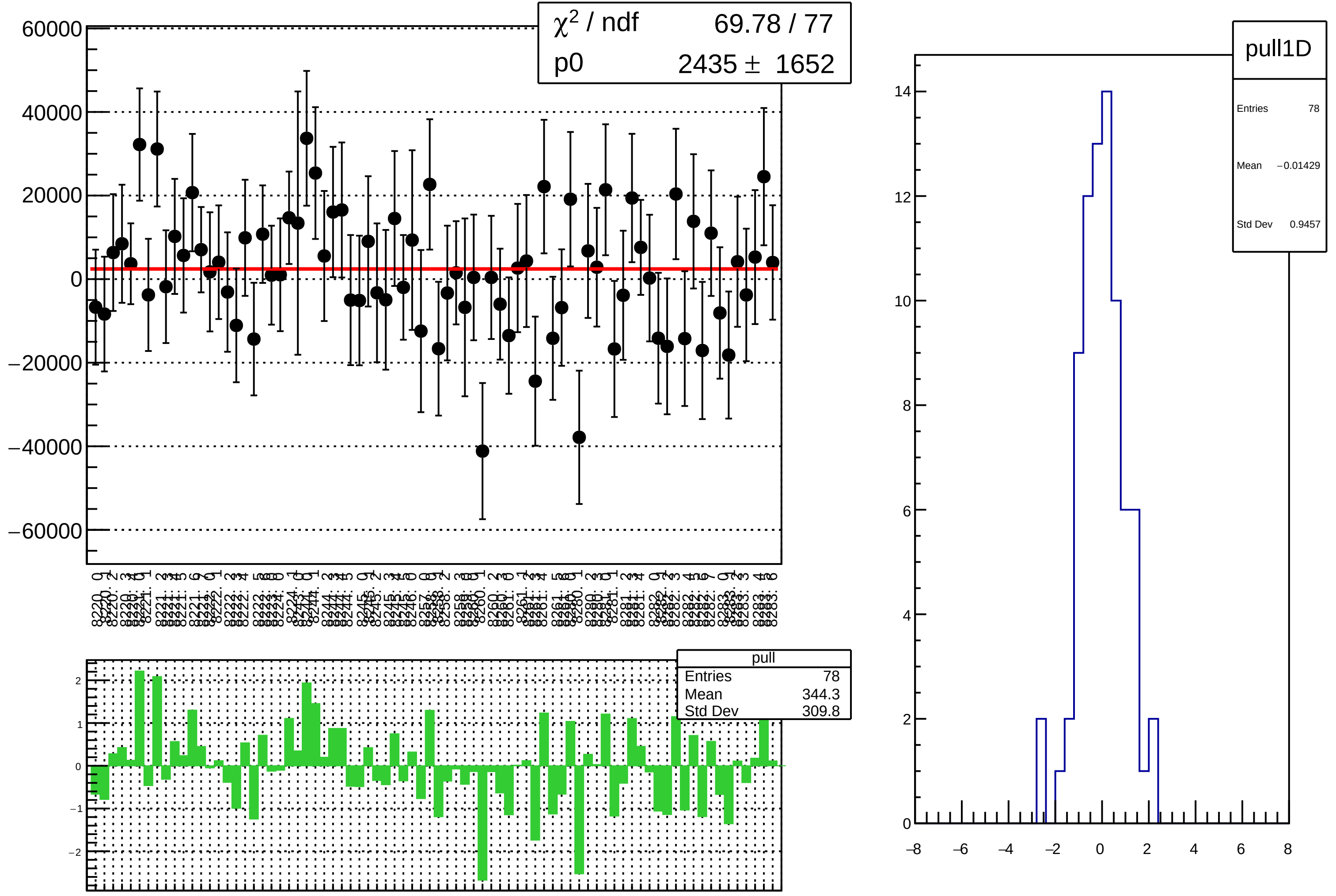


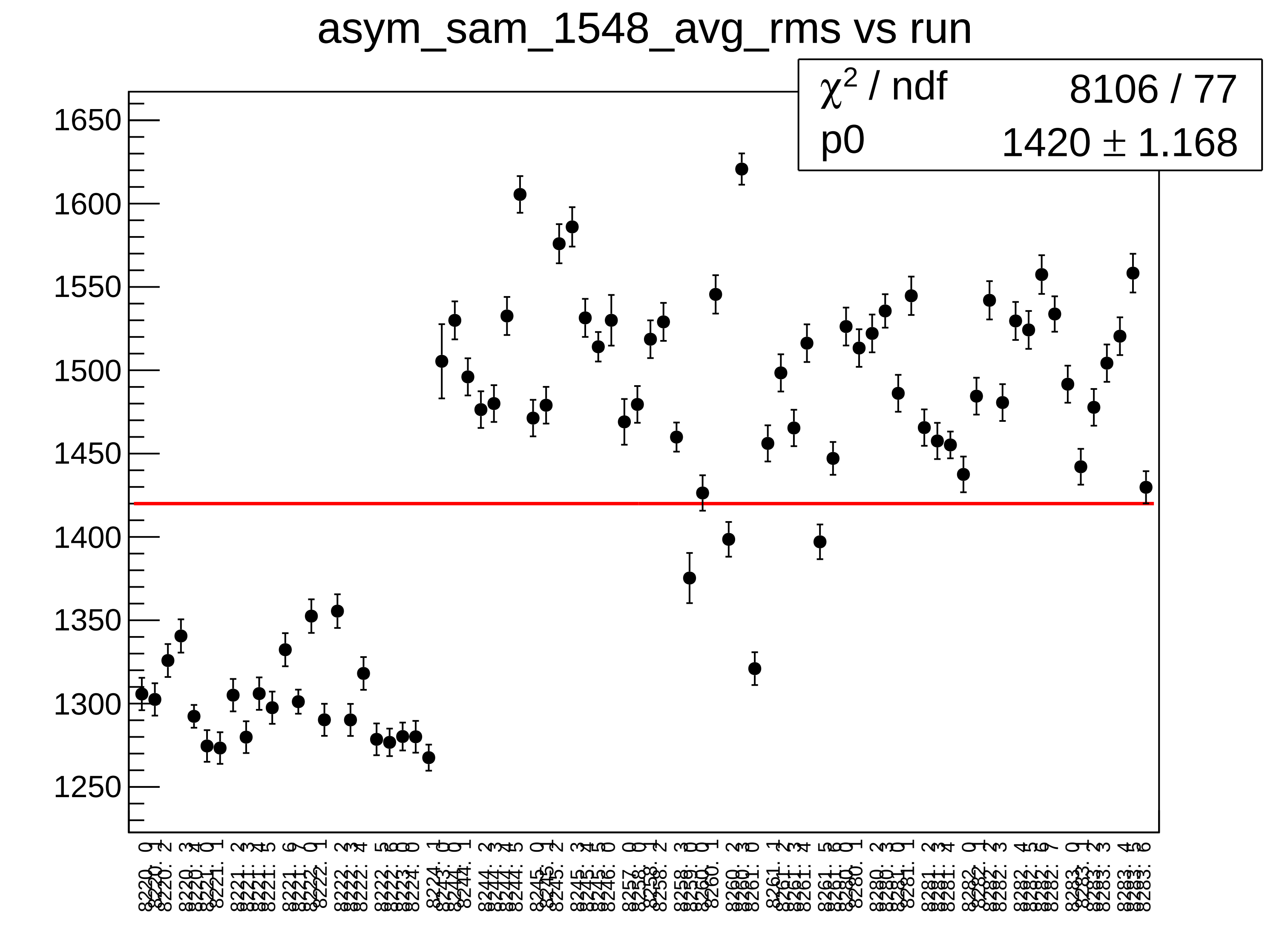
asym_sam_1548_avg_correction_mean vs run
χ2 / ndf 69.79 / 77
p0 −2164 ± 1646
60000
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 332.7
Std Dev 299.3
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01363
Std Dev 0.9458
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

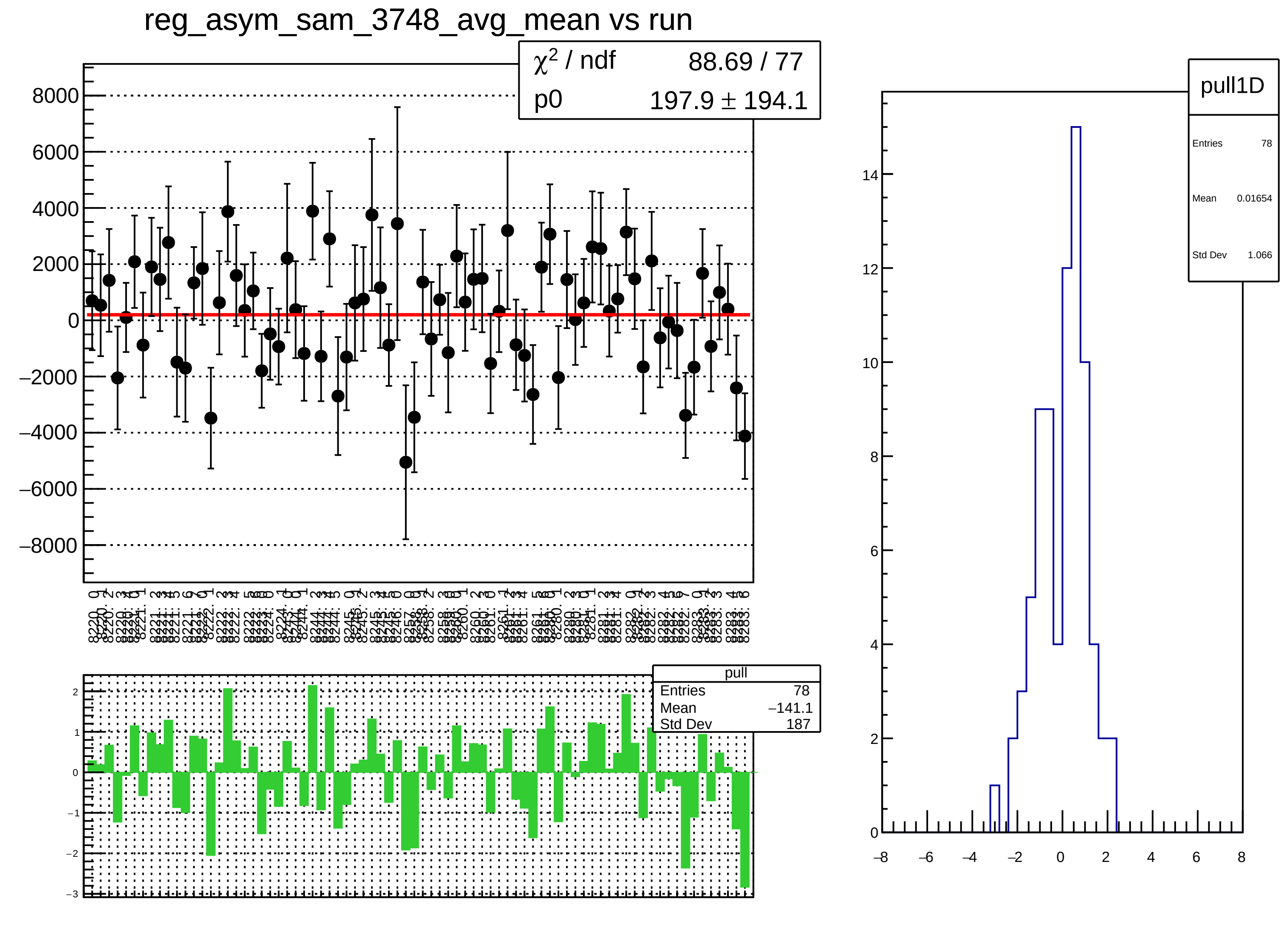


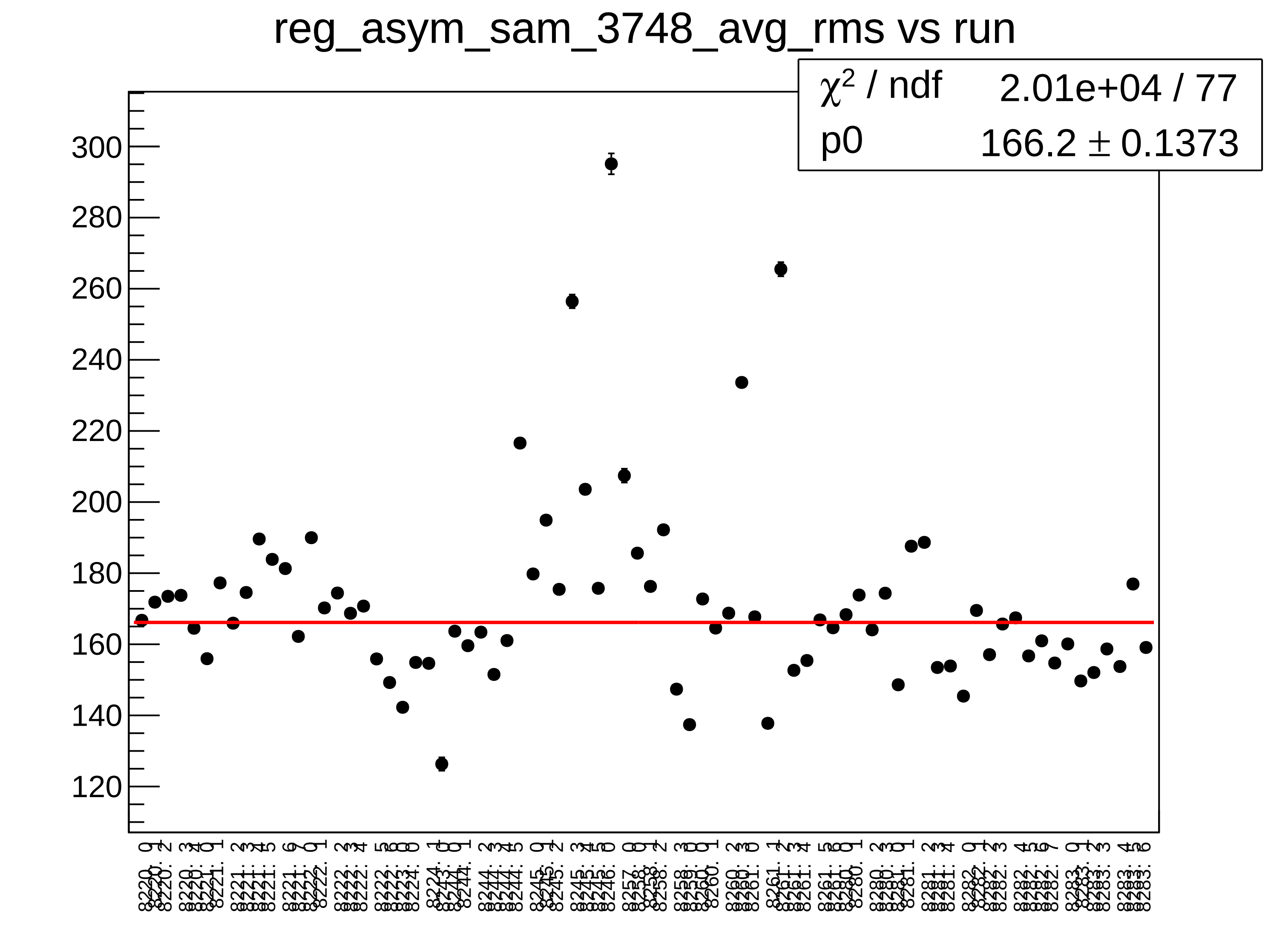
asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 8177 / 77
p0 1415 ± 1.164
1650
1600
1550
1500
1450
1400
1350
1300
1250

asym_sam_1548_avg_mean vs run

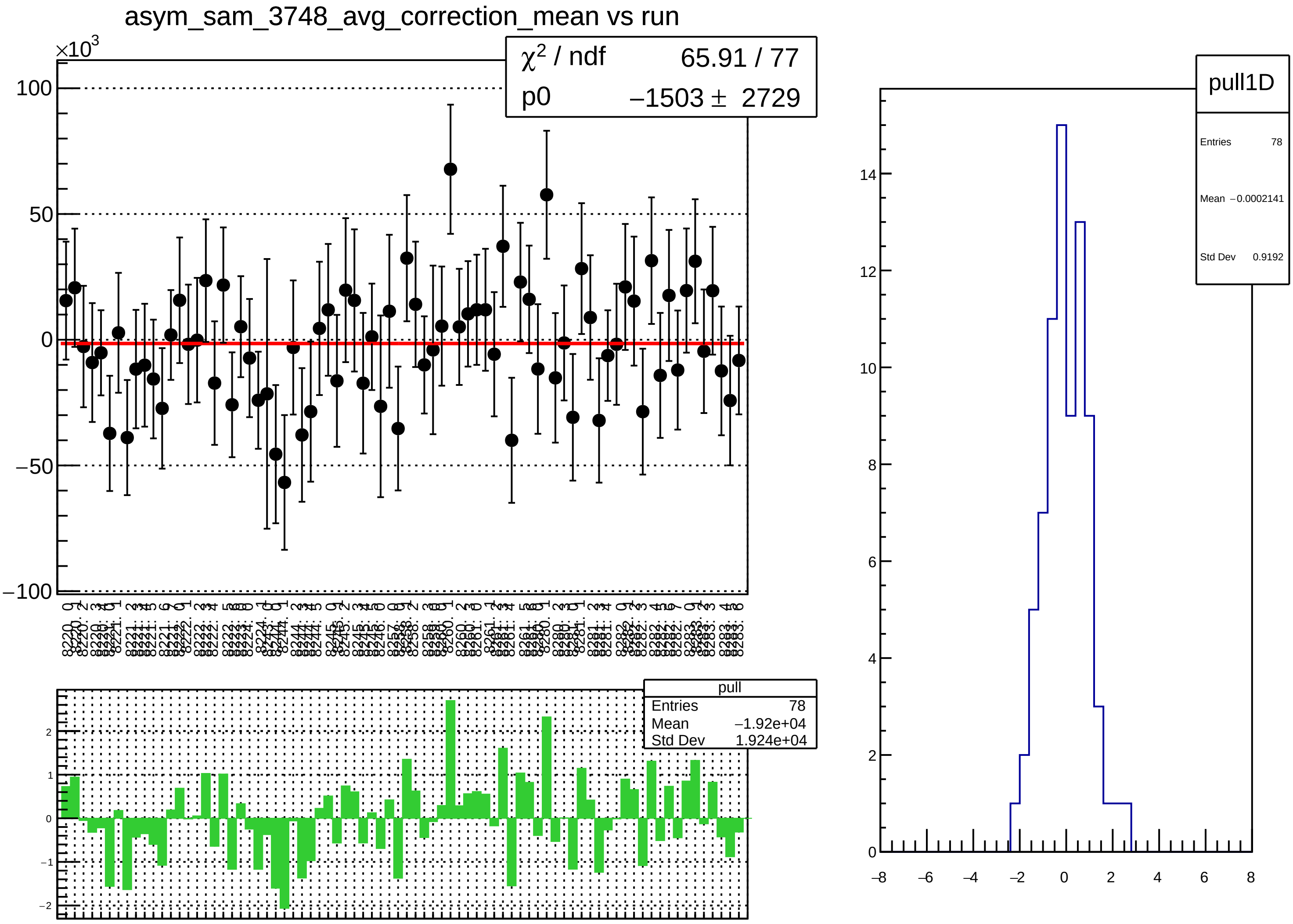


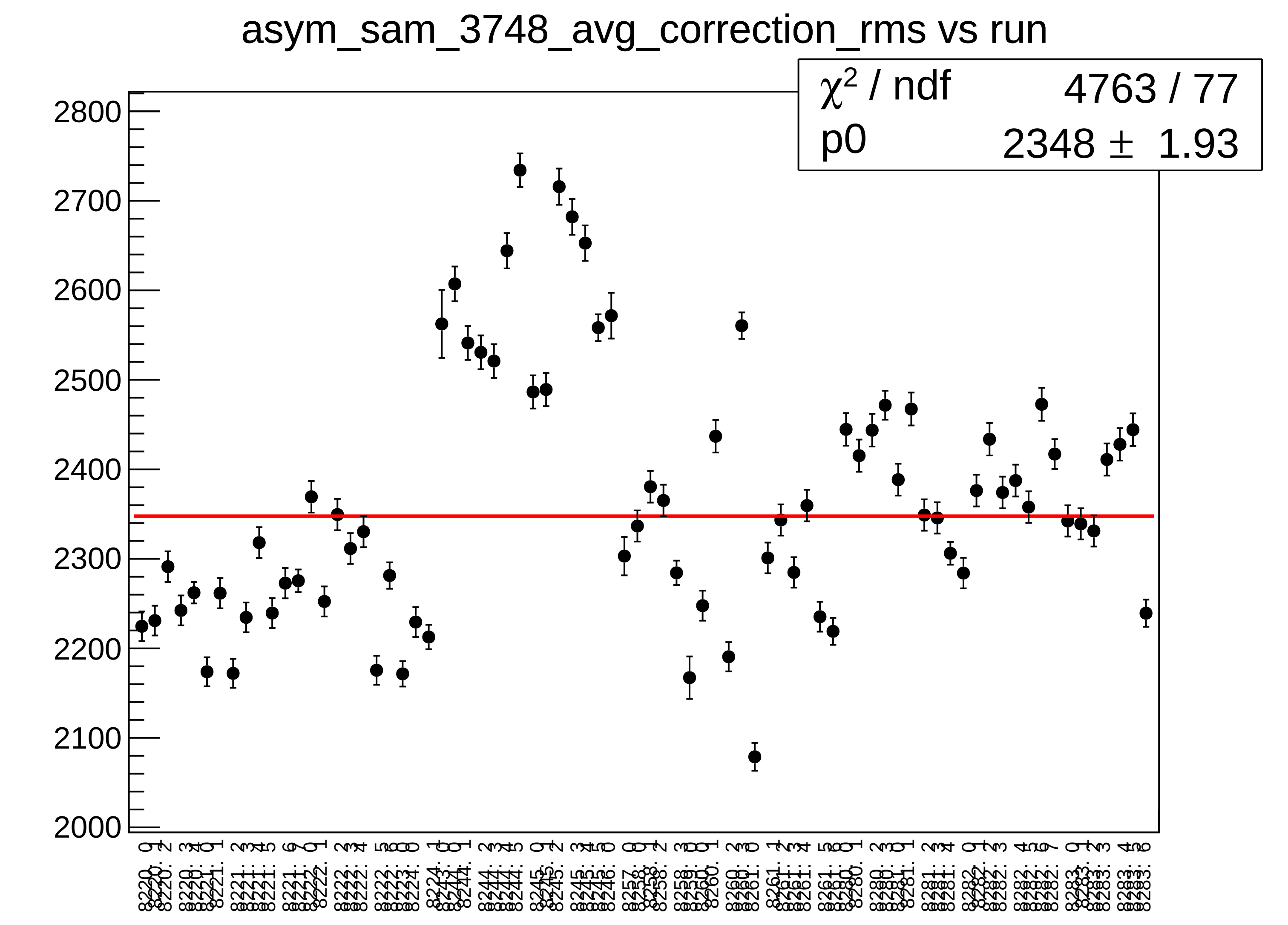

asym_sam_1548_avg_rms vs run
χ^2 / ndf 8106 / 77
p0 1420 ± 1.168
1650
1600
1550
1500
1450
1400
1350
1300
1250


reg_asym_sam_3748_avg_mean vs run
χ^2 / ndf 88.69 / 77
p0 197.9 ± 194.1
pull
Entries 78
Mean −141.1
Std Dev 187
pull1D
Entries 78
Mean 0.01654
Std Dev 1.066

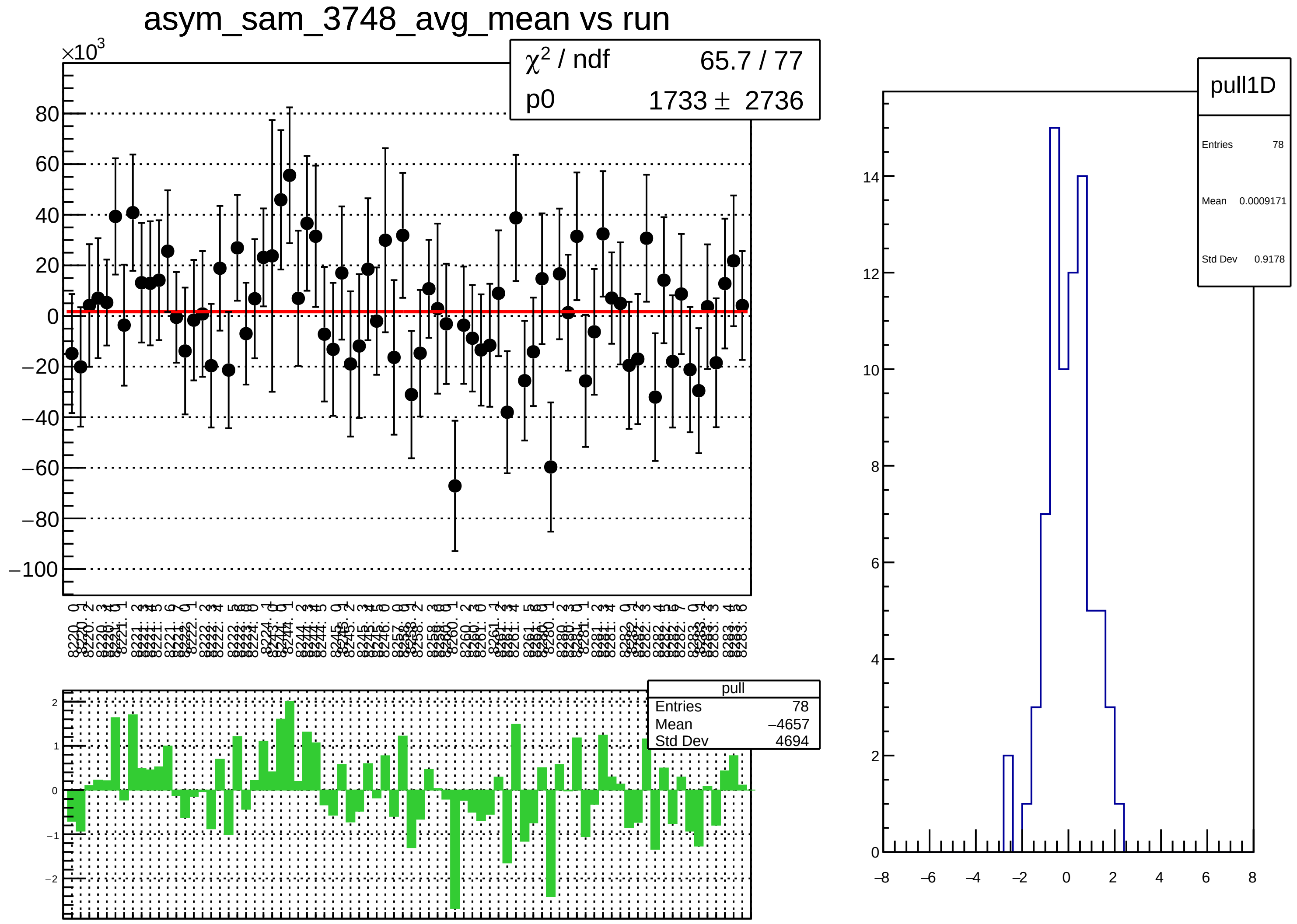


reg_asym_sam_3748_avg_rms vs run
χ^2 / ndf 2.01e+04 / 77
p0 166.2 ± 0.1373
300
280
260
240
220
200
180
160
140
120

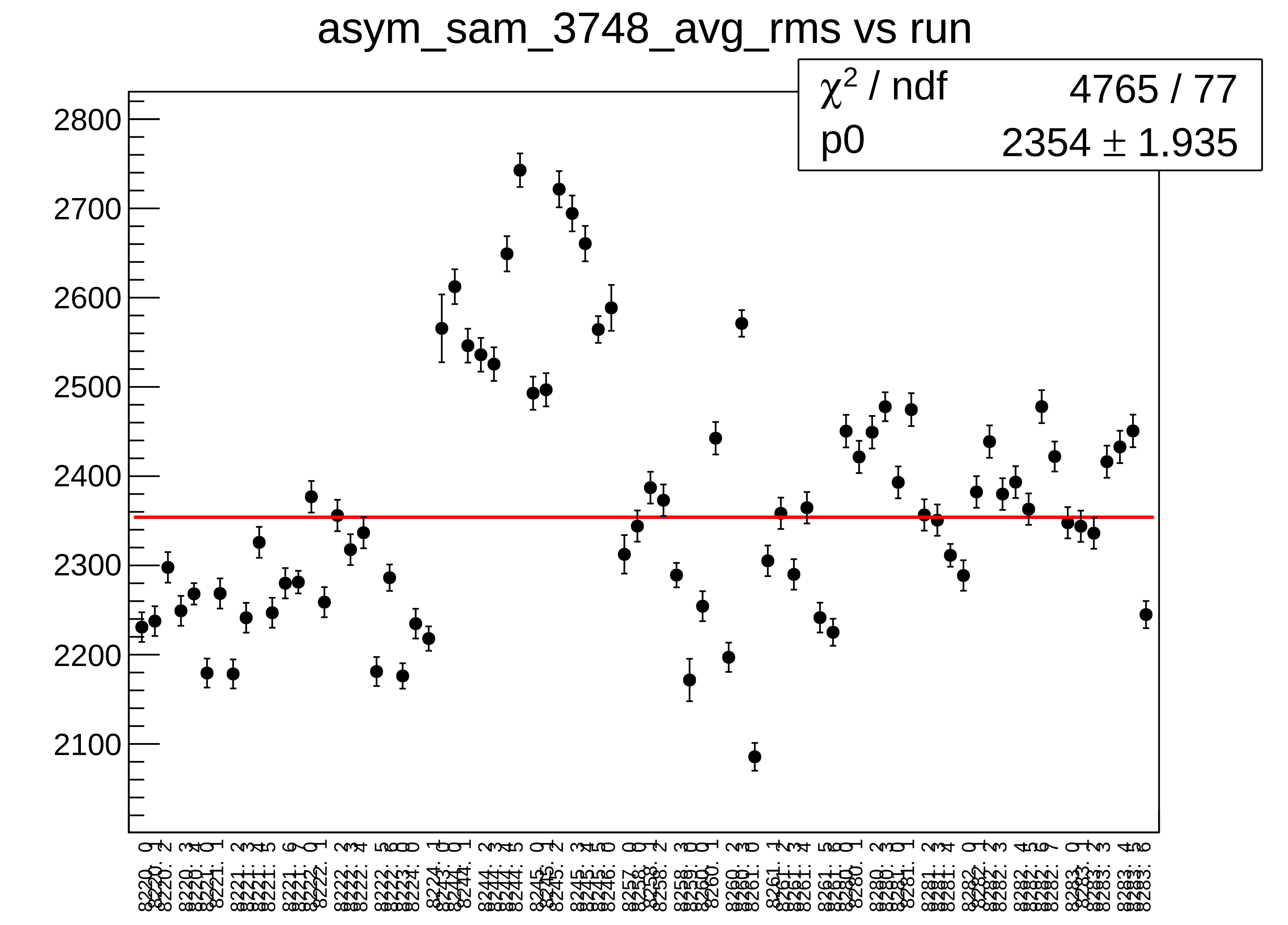

asym_sam_3748_avg_correction_mean vs run
χ^2 / ndf 65.91 / 77
p0 −1503 ± 2729
pull
Entries 78
Mean −1.92e+04
Std Dev 1.924e+04
pull1D
Entries 78
Mean −0.0002141
Std Dev 0.9192

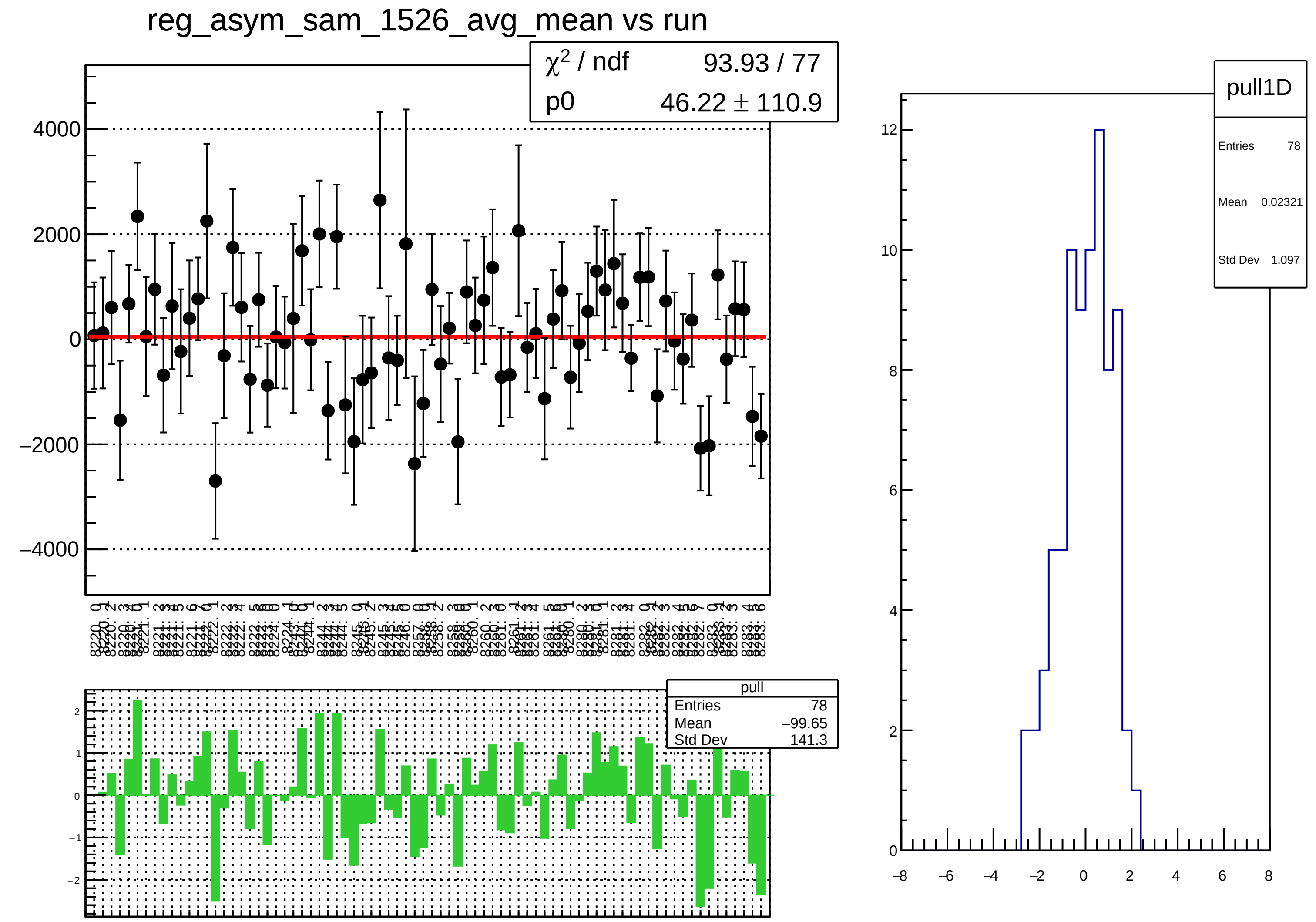


asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 4763 / 77
p0 2348 ± 1.93
2800
2700
2600
2500
2400
2300
2200
2100
2000

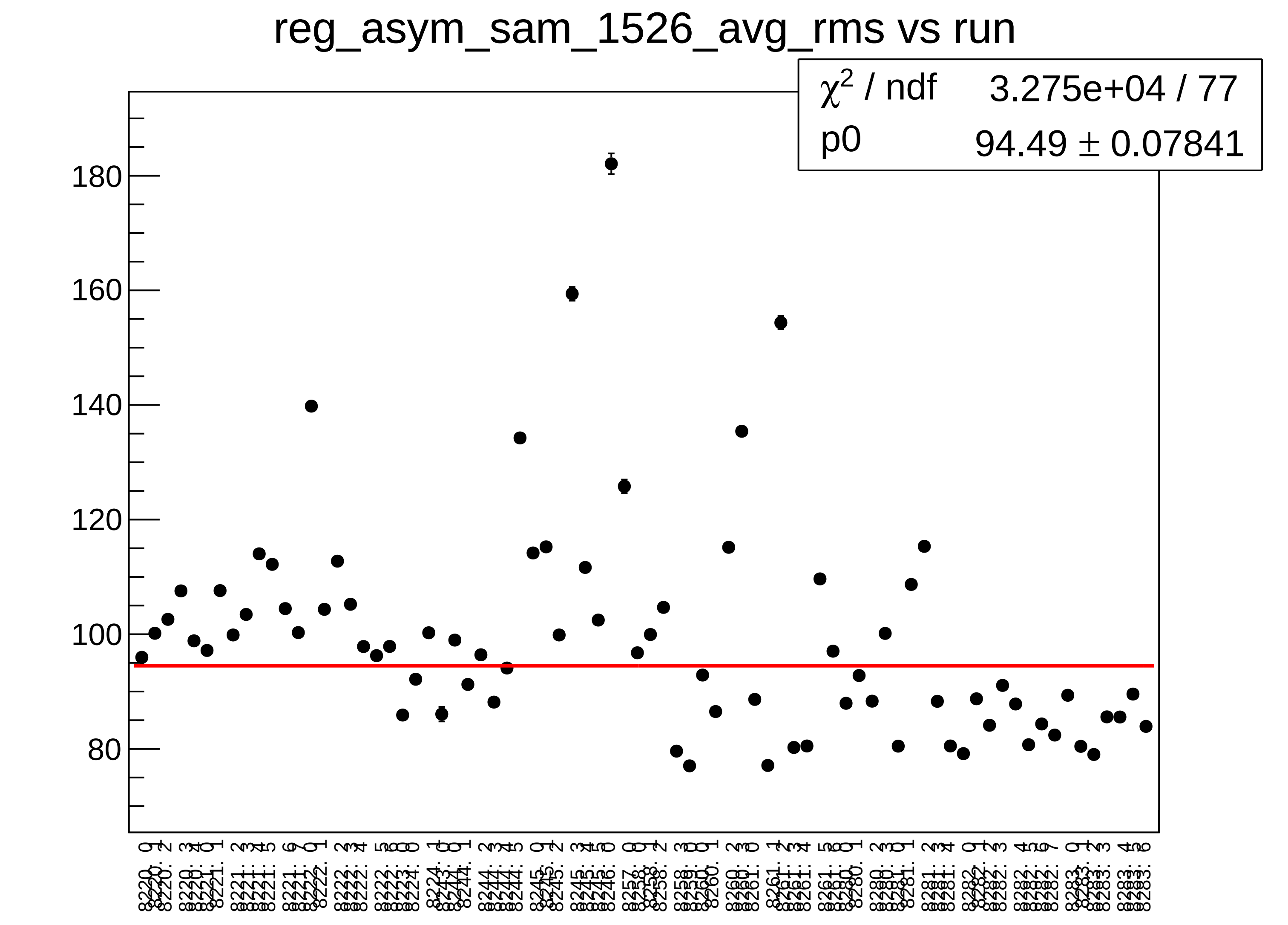


asym_sam_3748_avg_mean vs run
χ2 / ndf 65.7 / 77
p0 1733 ± 2736
×10^3
pull
Entries 78
Mean −4657
Std Dev 4694
pull1D
Entries 78
Mean 0.0009171
Std Dev 0.9178

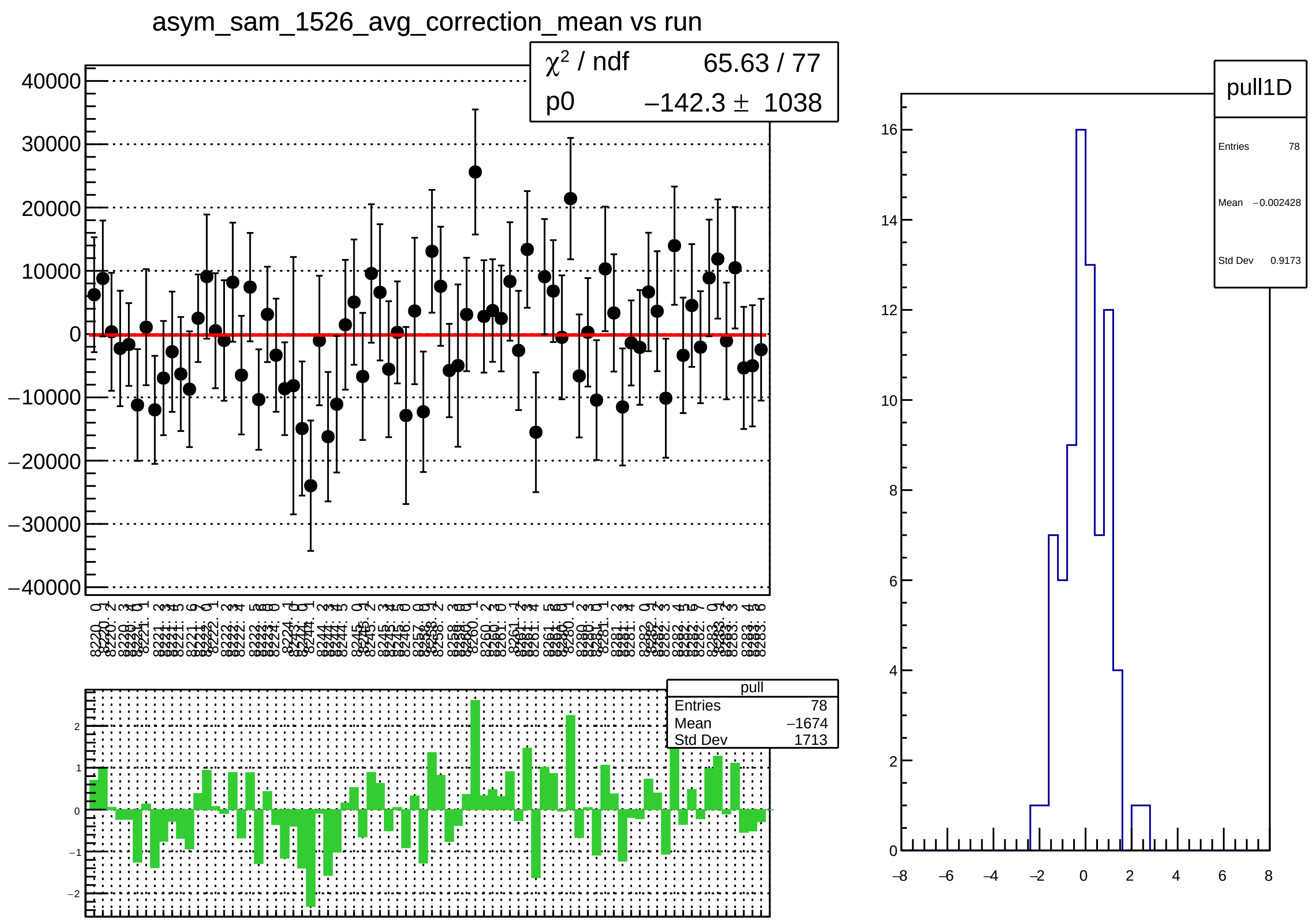

asym_sam_3748_avg_rms vs run
χ2 / ndf 4765 / 77
p0 2354 ± 1.935
2800
2700
2600
2500
2400
2300
2200
2100



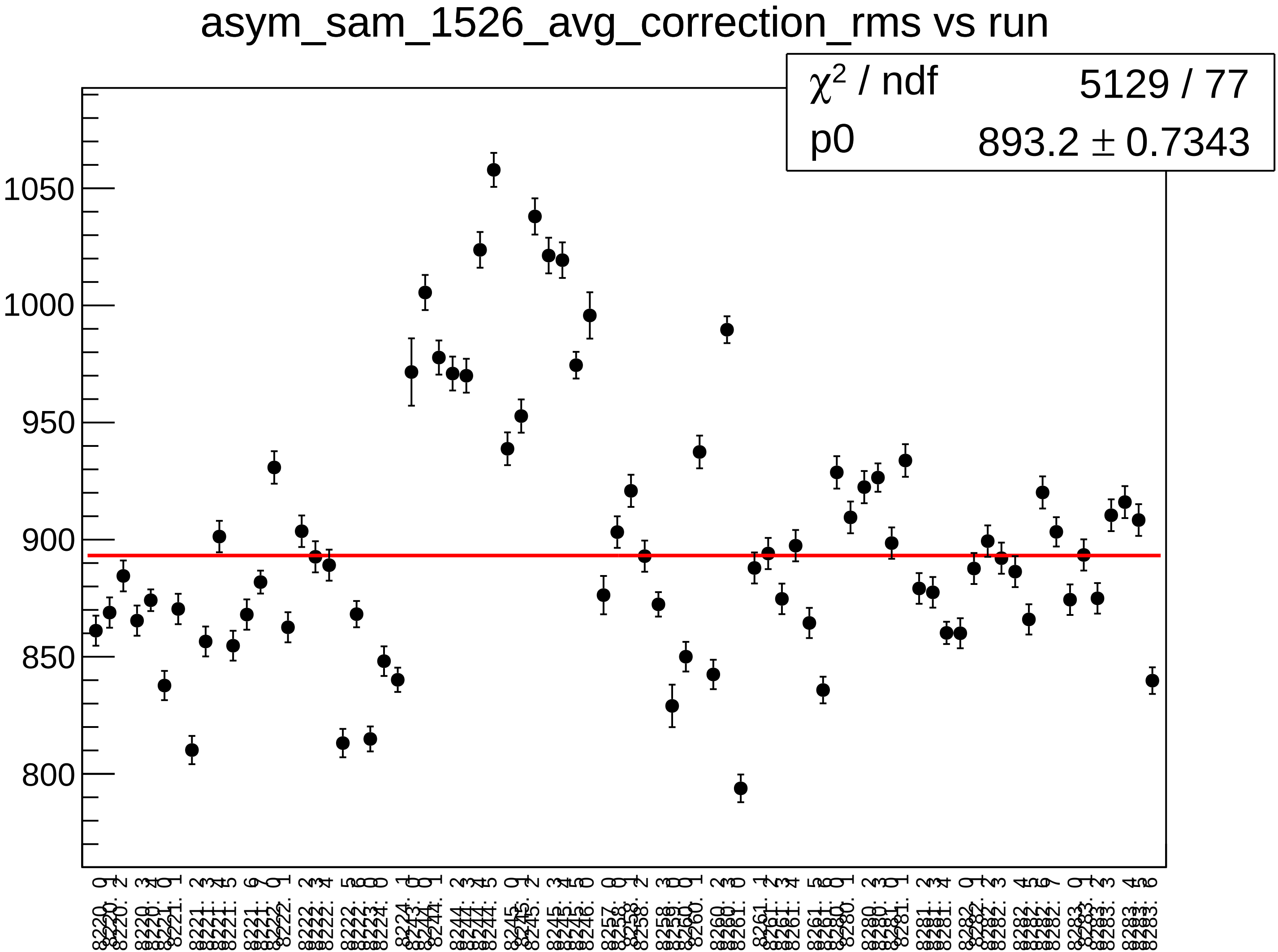
reg_asym_sam_1526_avg_mean vs run
χ^2 / ndf 93.93 / 77
p0 46.22 ± 110.9
4000
2000
0
−2000
−4000
pull
Entries 78
Mean −99.65
Std Dev 141.3
pull1D
Entries 78
Mean 0.02321
Std Dev 1.097



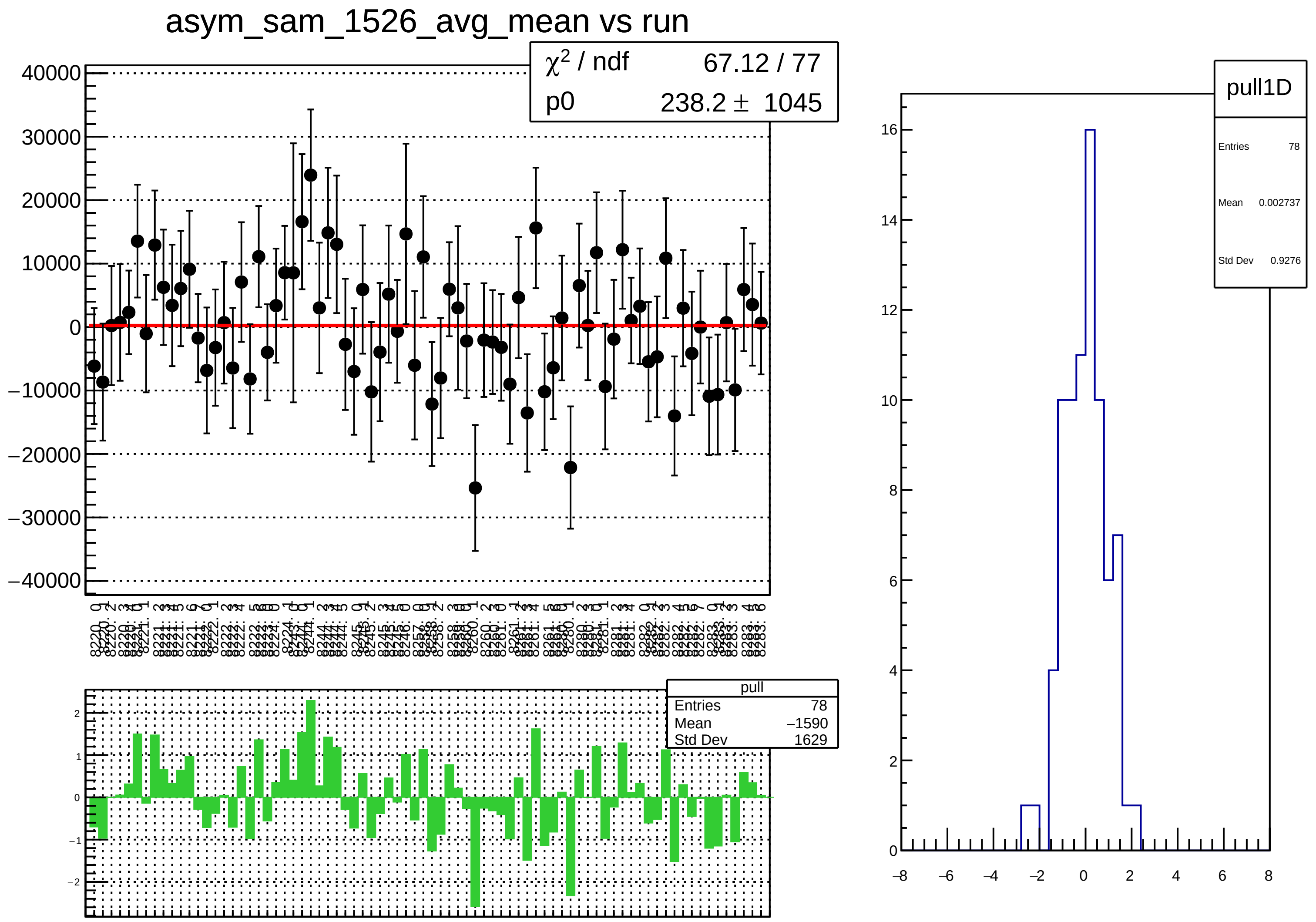
reg_asym_sam_1526_avg_rms vs run
χ^2 / ndf 3.275e+04 / 77
p0 94.49 ± 0.07841
180
160
140
120
100
80



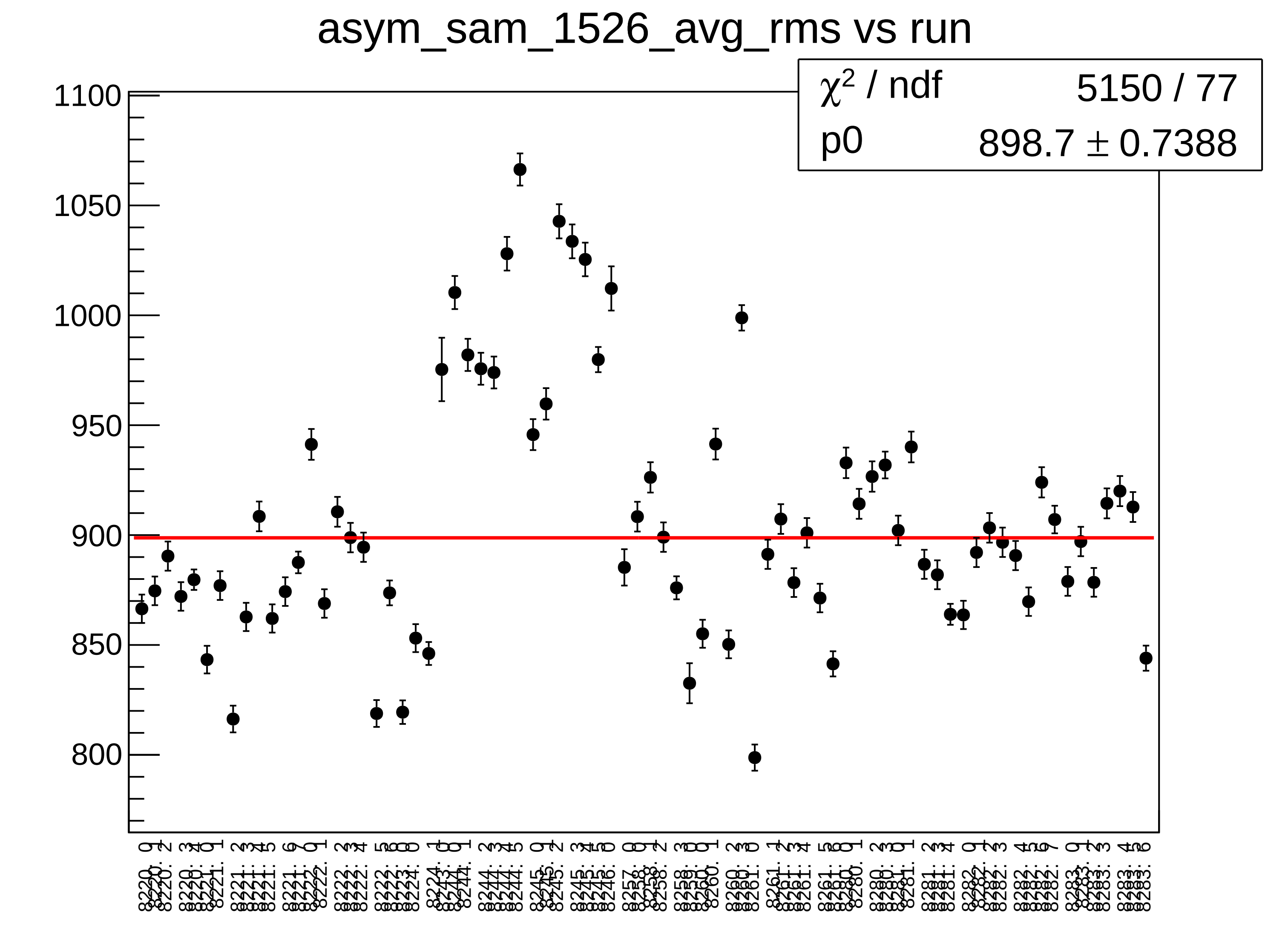
asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 65.63 / 77
p0 −142.3 ± 1038
pull
Entries 78
Mean −1674
Std Dev 1713
pull1D
Entries 78
Mean −0.002428
Std Dev 0.9173

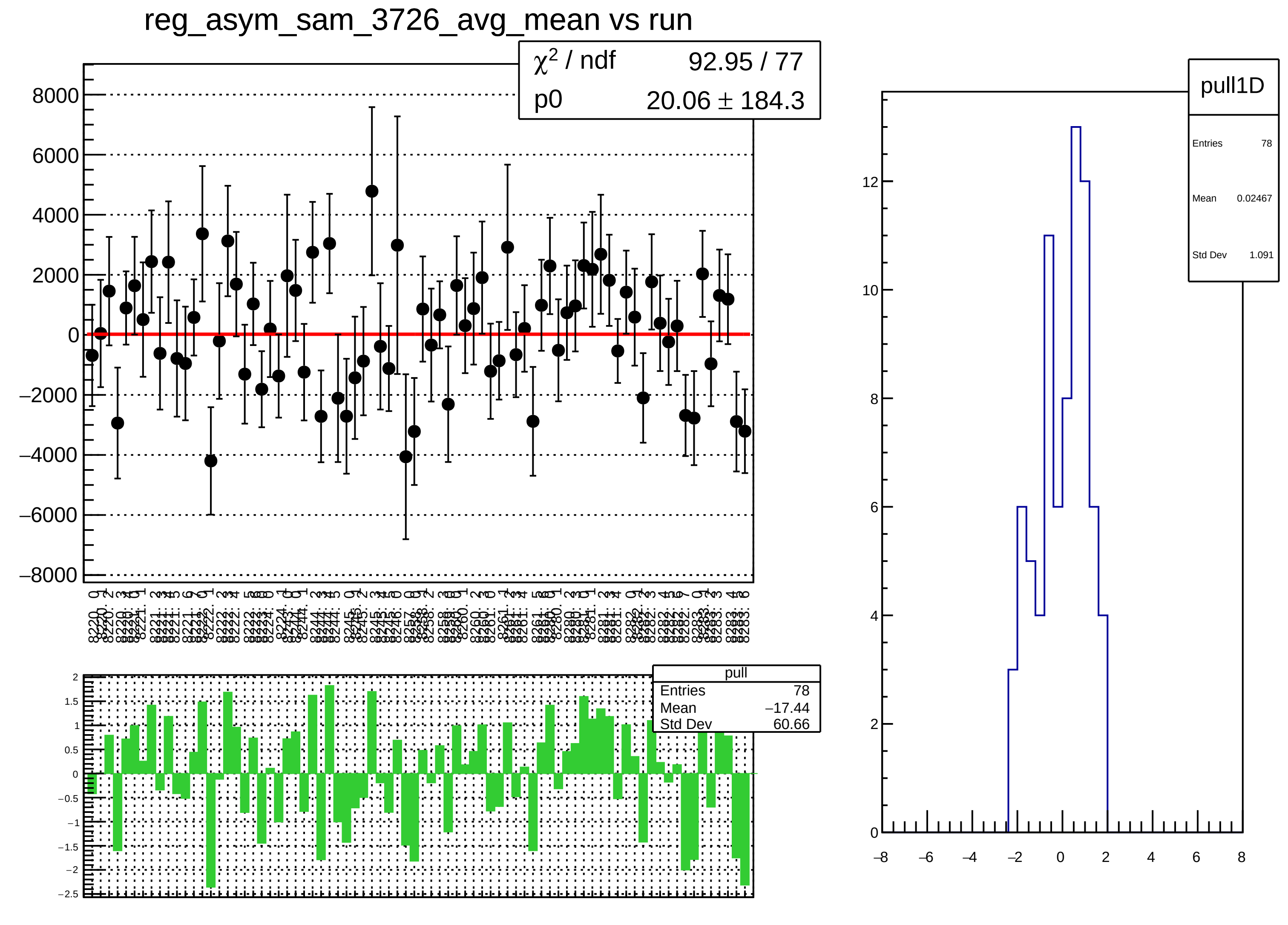


asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 5129 / 77
p0 893.2 ± 0.7343
1050
1000
950
900
850
800

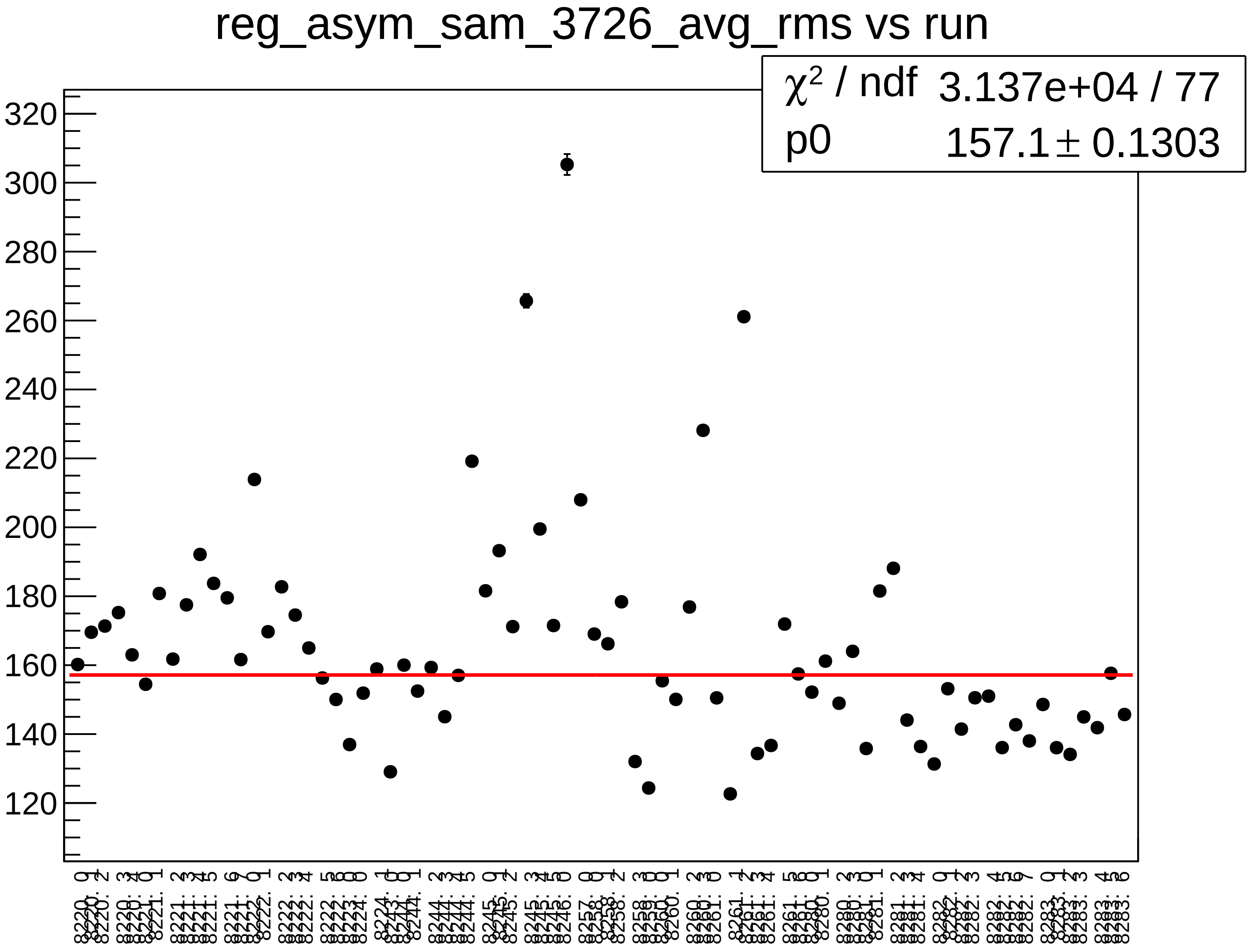


asym_sam_1526_avg_mean vs run
χ2 / ndf 67.12 / 77
p0 238.2 ± 1045
pull
Entries 78
Mean −1590
Std Dev 1629
pull1D
Entries 78
Mean 0.002737
Std Dev 0.9276

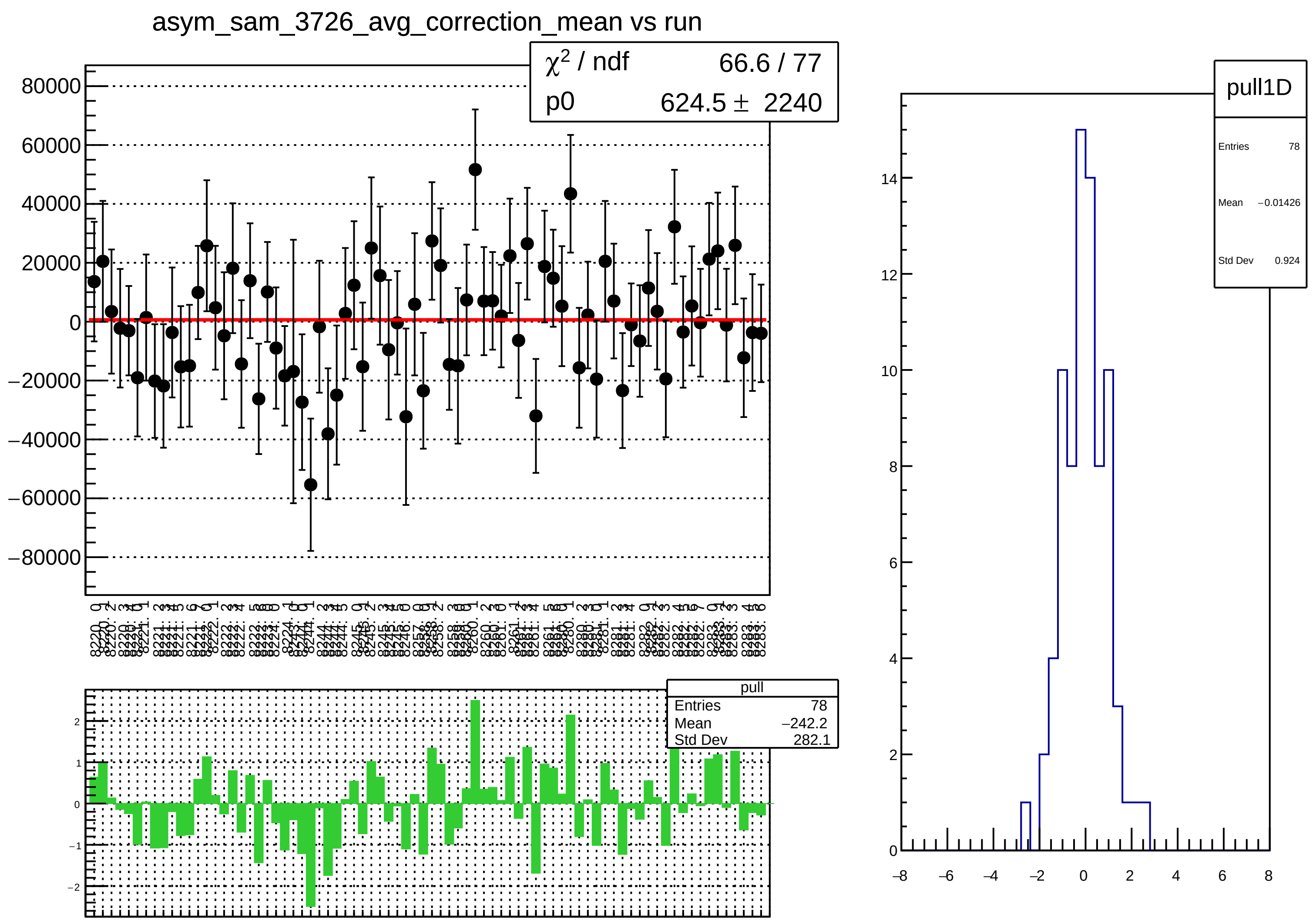

asym_sam_1526_avg_rms vs run
χ2 / ndf 5150 / 77
p0 898.7 ± 0.7388
1100
1050
1000
950
900
850
800



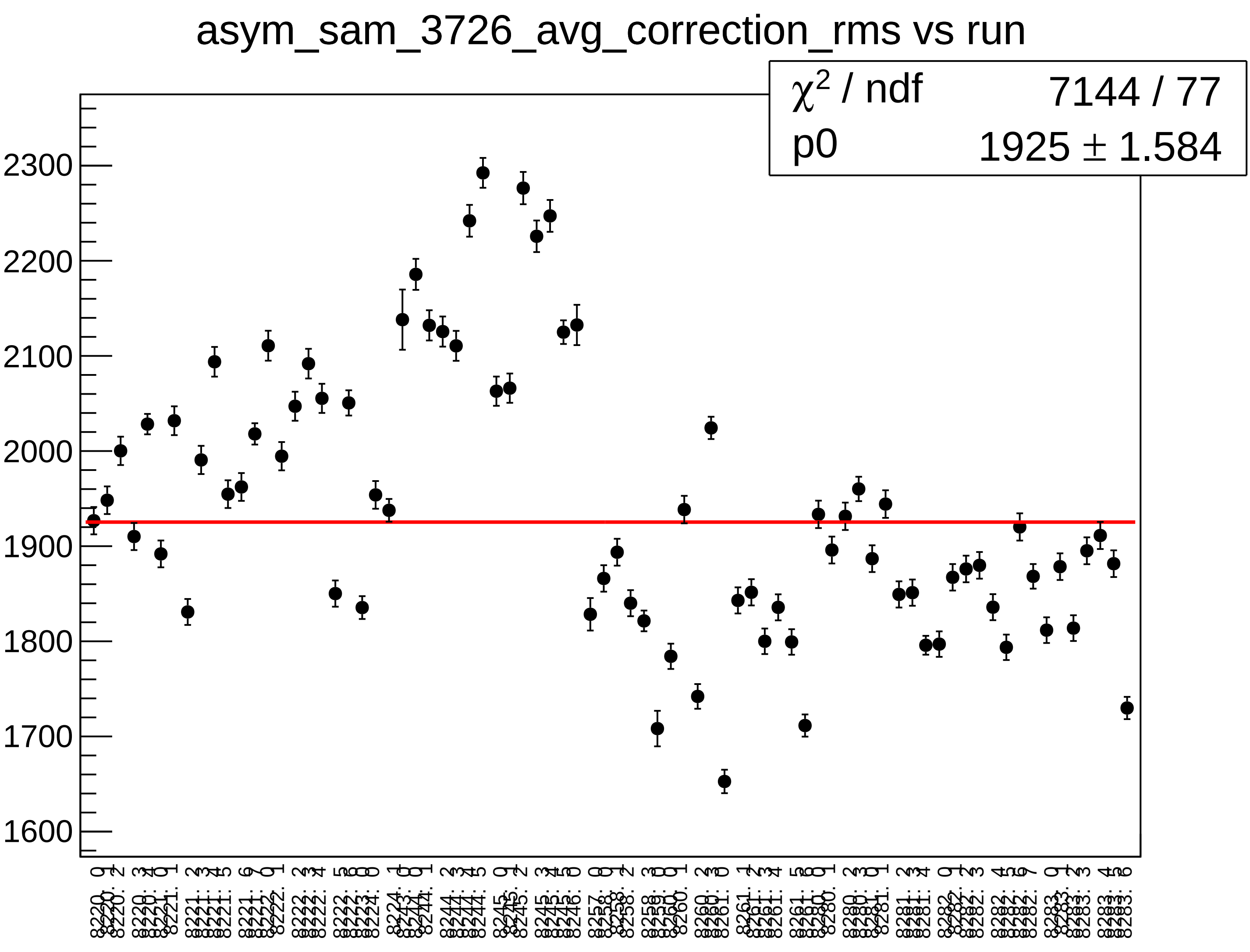
reg_asym_sam_3726_avg_mean vs run
χ^2 / ndf 92.95 / 77
p0 20.06 ± 184.3
pull
Entries 78
Mean −17.44
Std Dev 60.66
pull1D
Entries 78
Mean 0.02467
Std Dev 1.091



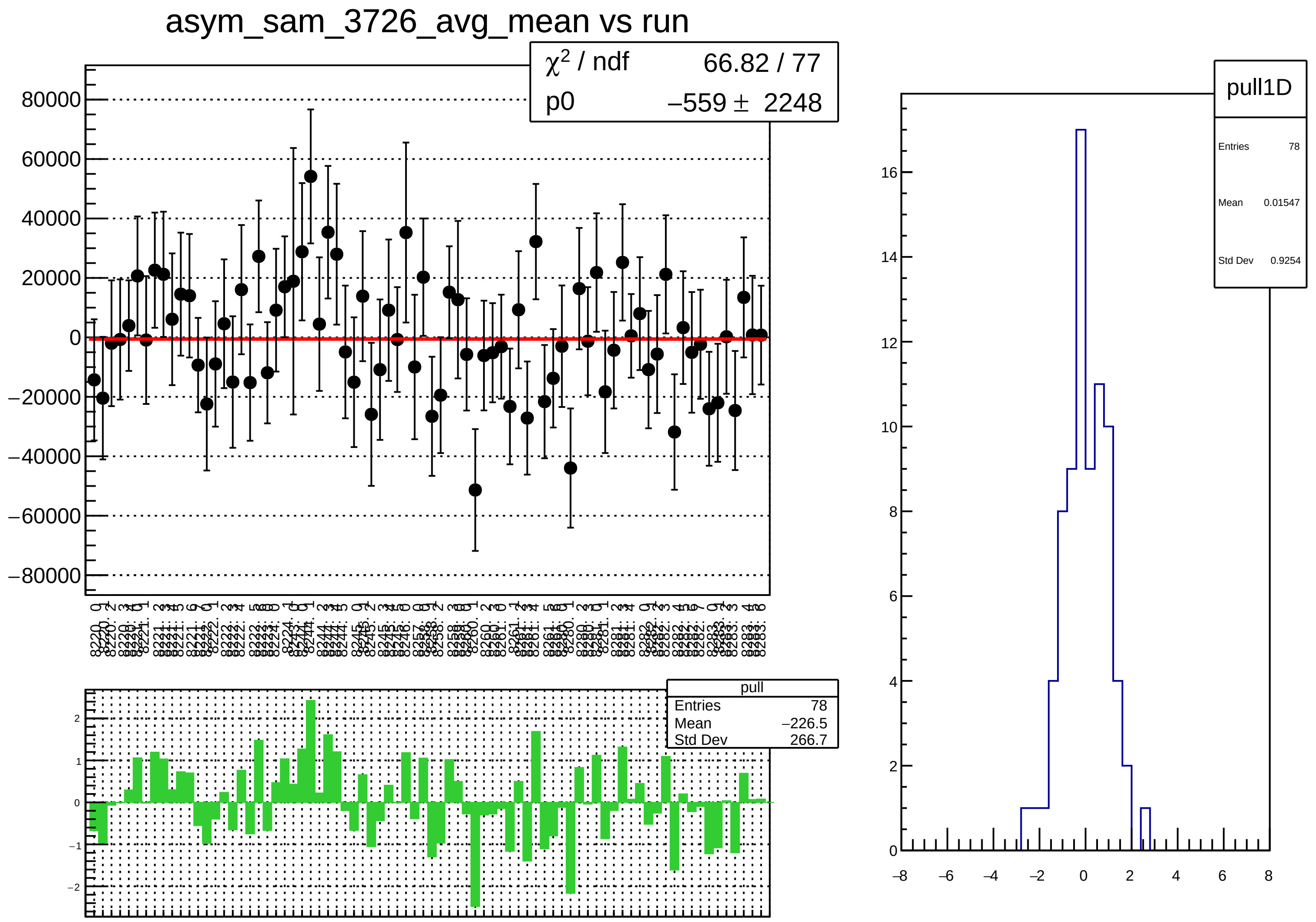
reg_asym_sam_3726_avg_rms vs run
χ2 / ndf 3.137e+04 / 77
p0 157.1 ± 0.1303
320
300
280
260
240
220
200
180
160
140
120



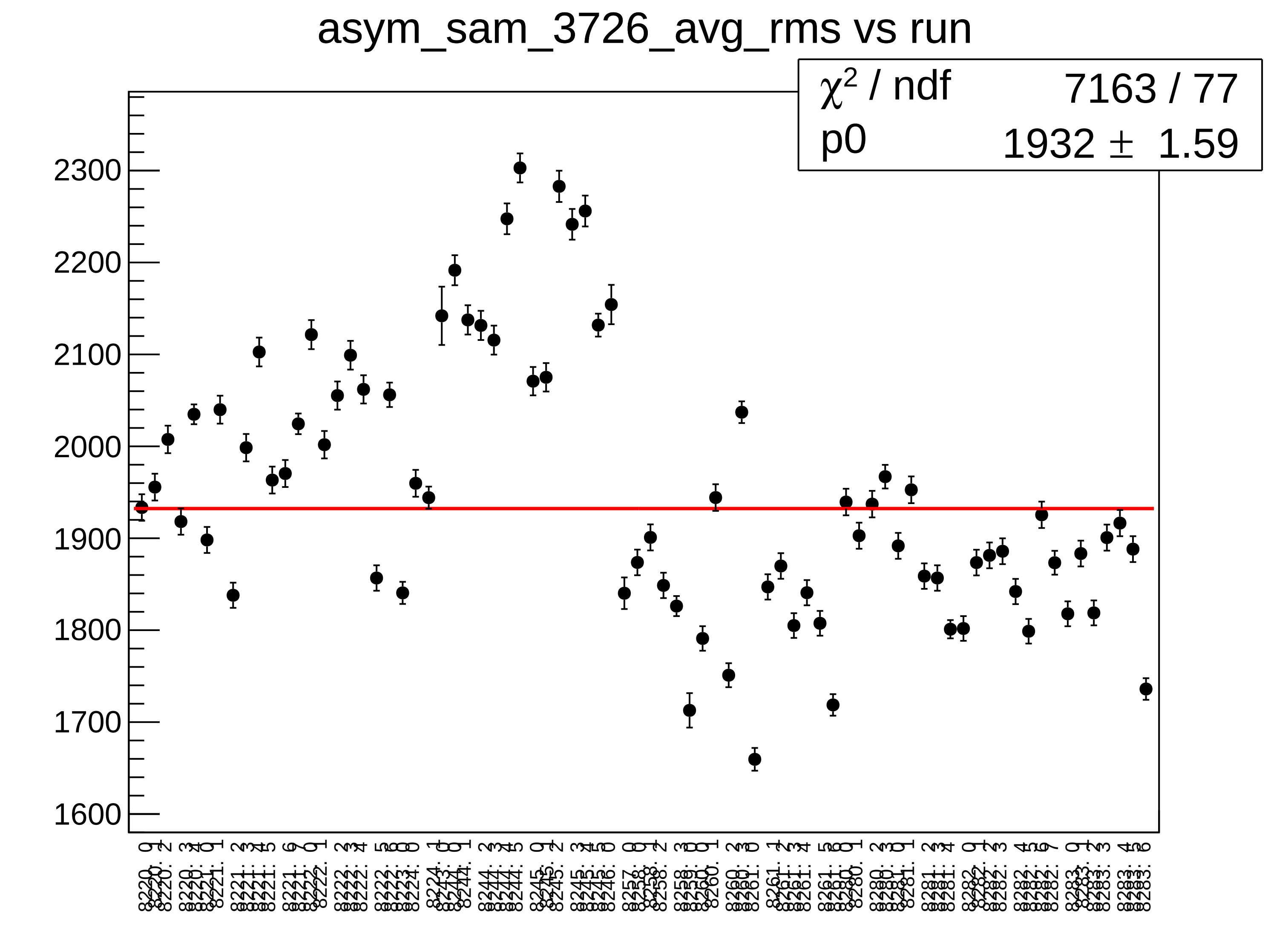
asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 66.6 / 77
p0 624.5 ± 2240
pull
Entries 78
Mean −242.2
Std Dev 282.1
pull1D
Entries 78
Mean −0.01426
Std Dev 0.924



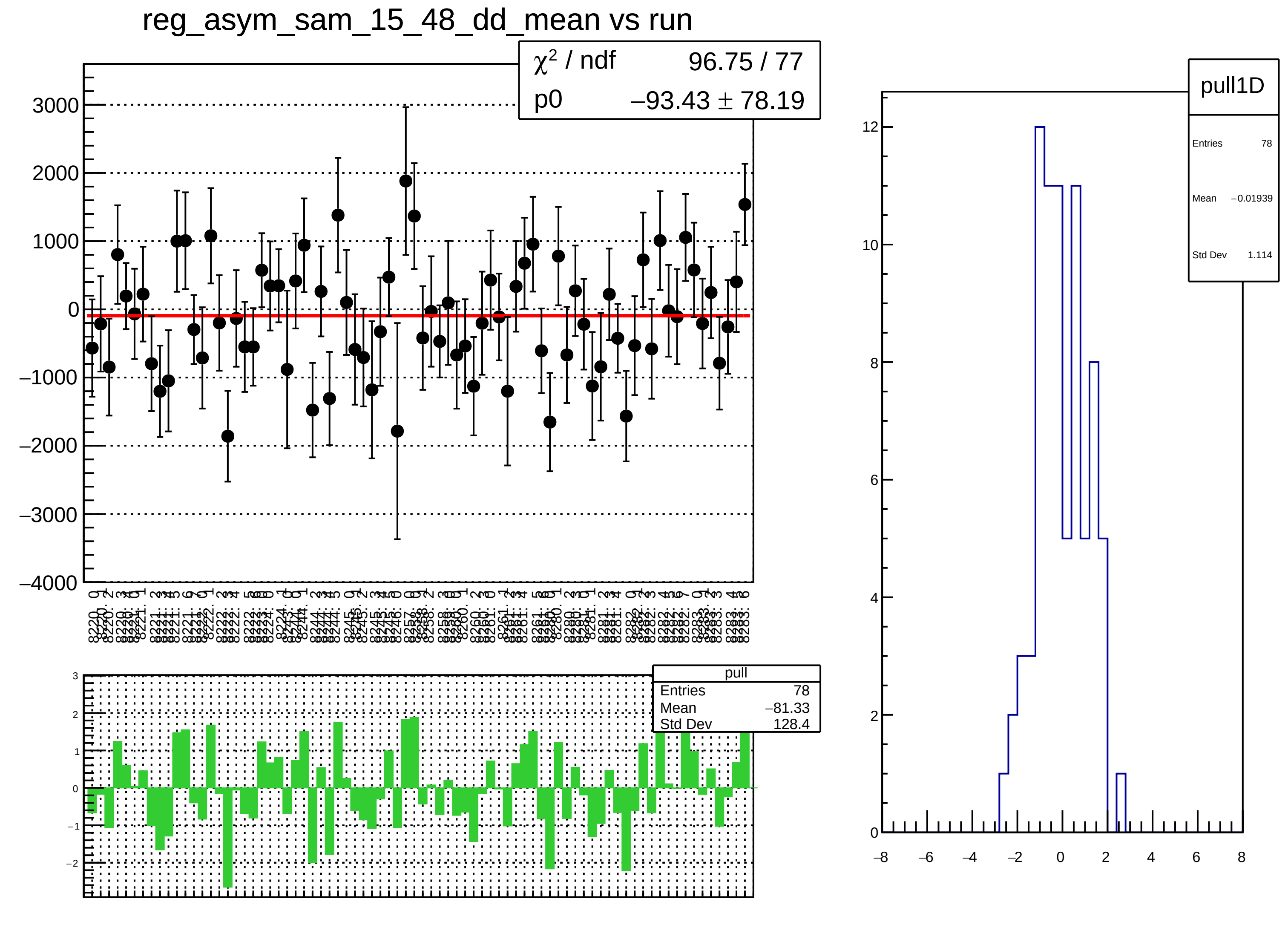
asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 7144 / 77
p0 1925 ± 1.584
2300
2200
2100
2000
1900
1800
1700
1600



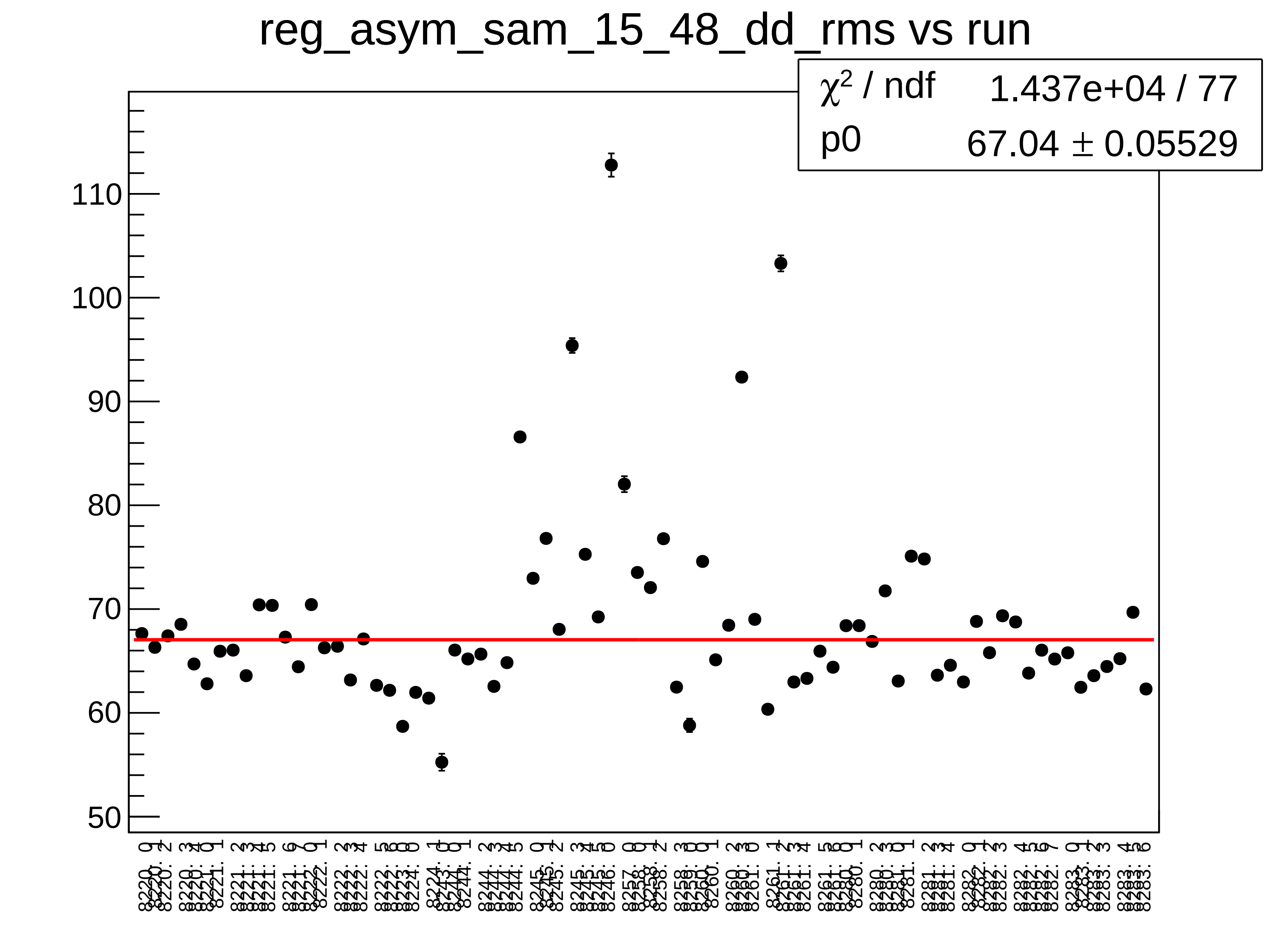
asym_sam_3726_avg_mean vs run
χ^2 / ndf 66.82 / 77
p0 −559 ± 2248
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 78
Mean −226.5
Std Dev 266.7
pull1D
Entries 78
Mean 0.01547
Std Dev 0.9254



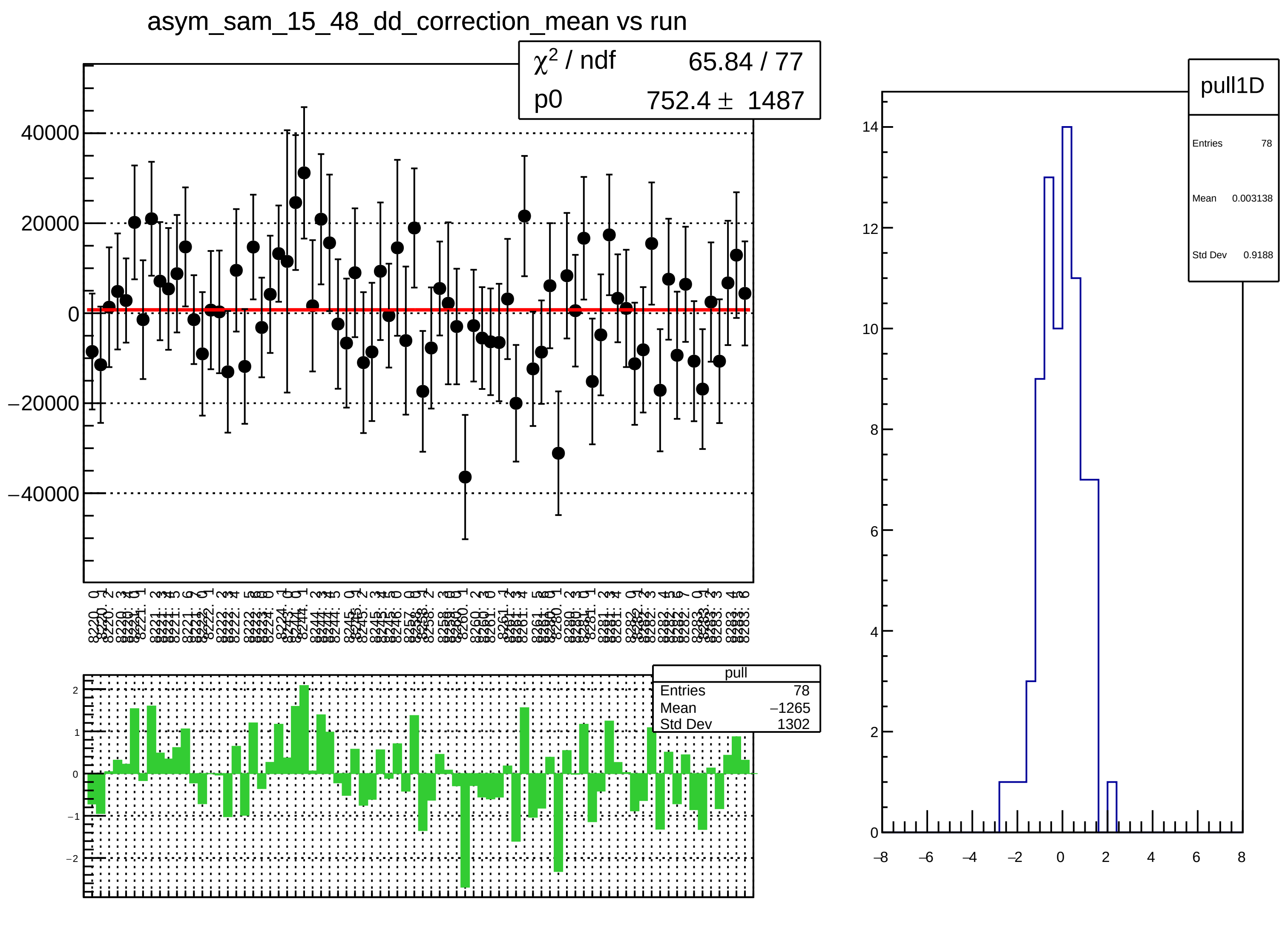
asym_sam_3726_avg_rms vs run
χ^2 / ndf 7163 / 77
p0 1932 ± 1.59

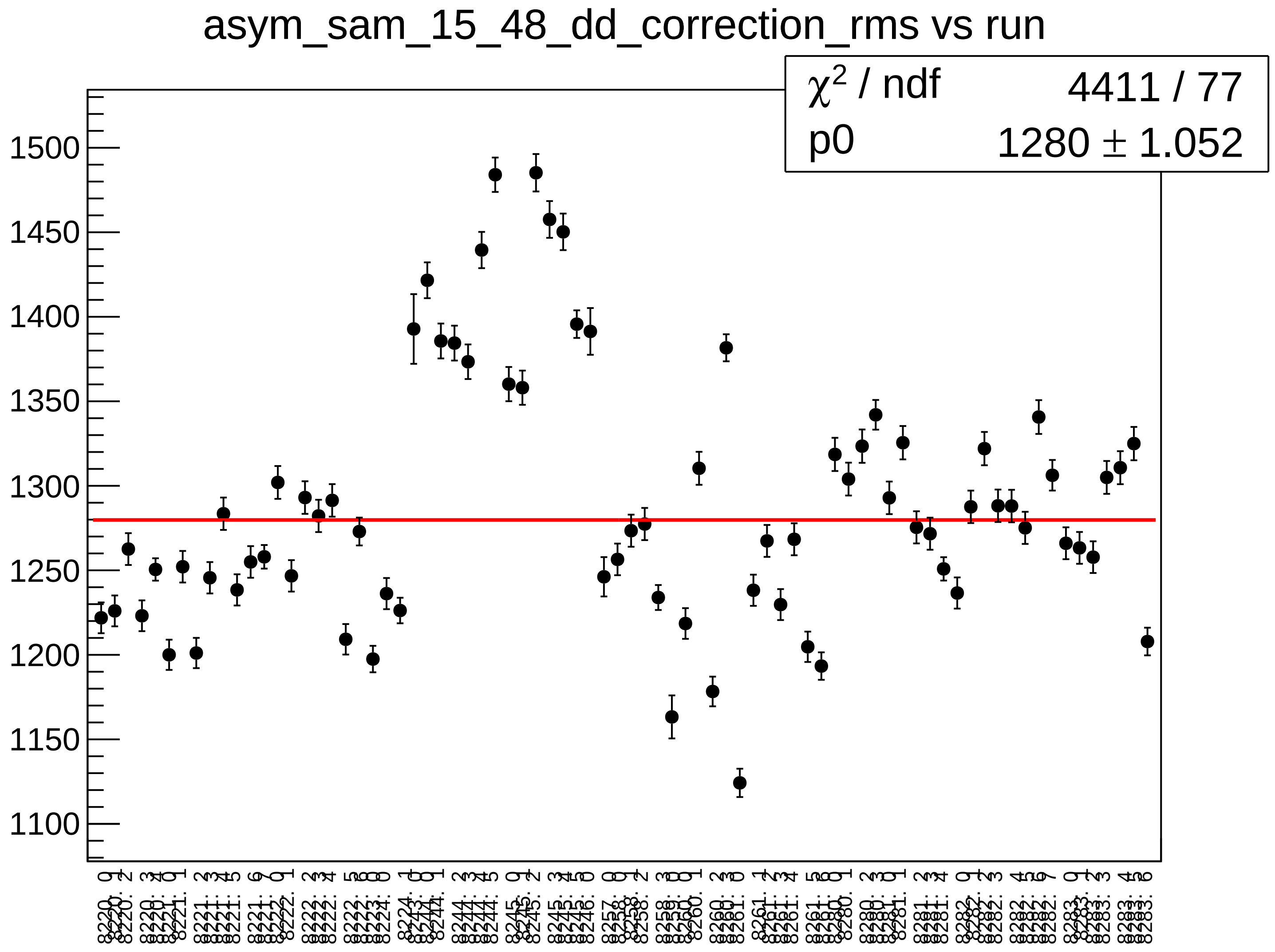


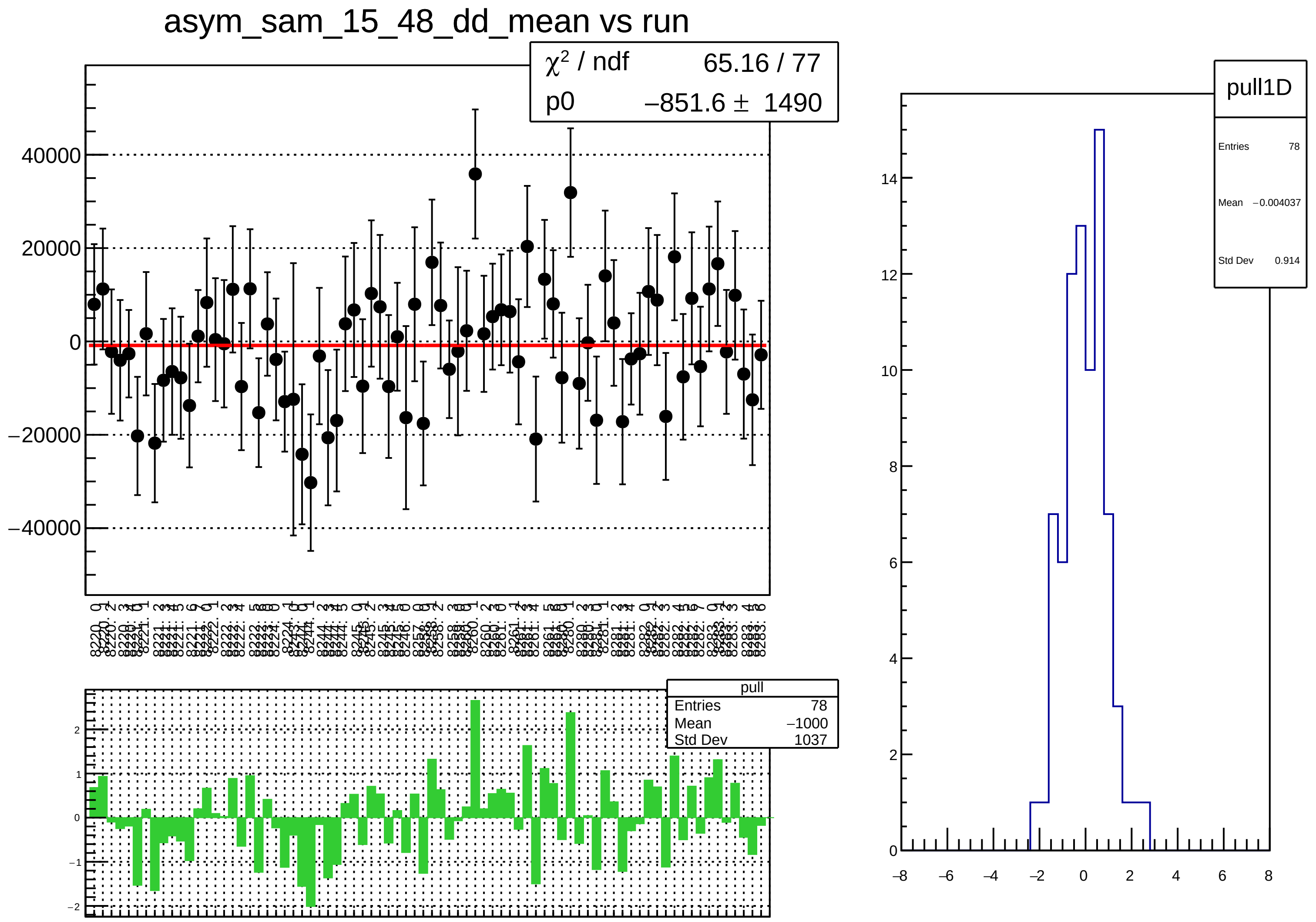
reg_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 96.75 / 77
p0 −93.43 ± 78.19
pull
Entries 78
Mean −81.33
Std Dev 128.4
pull1D
Entries 78
Mean −0.01939
Std Dev 1.114

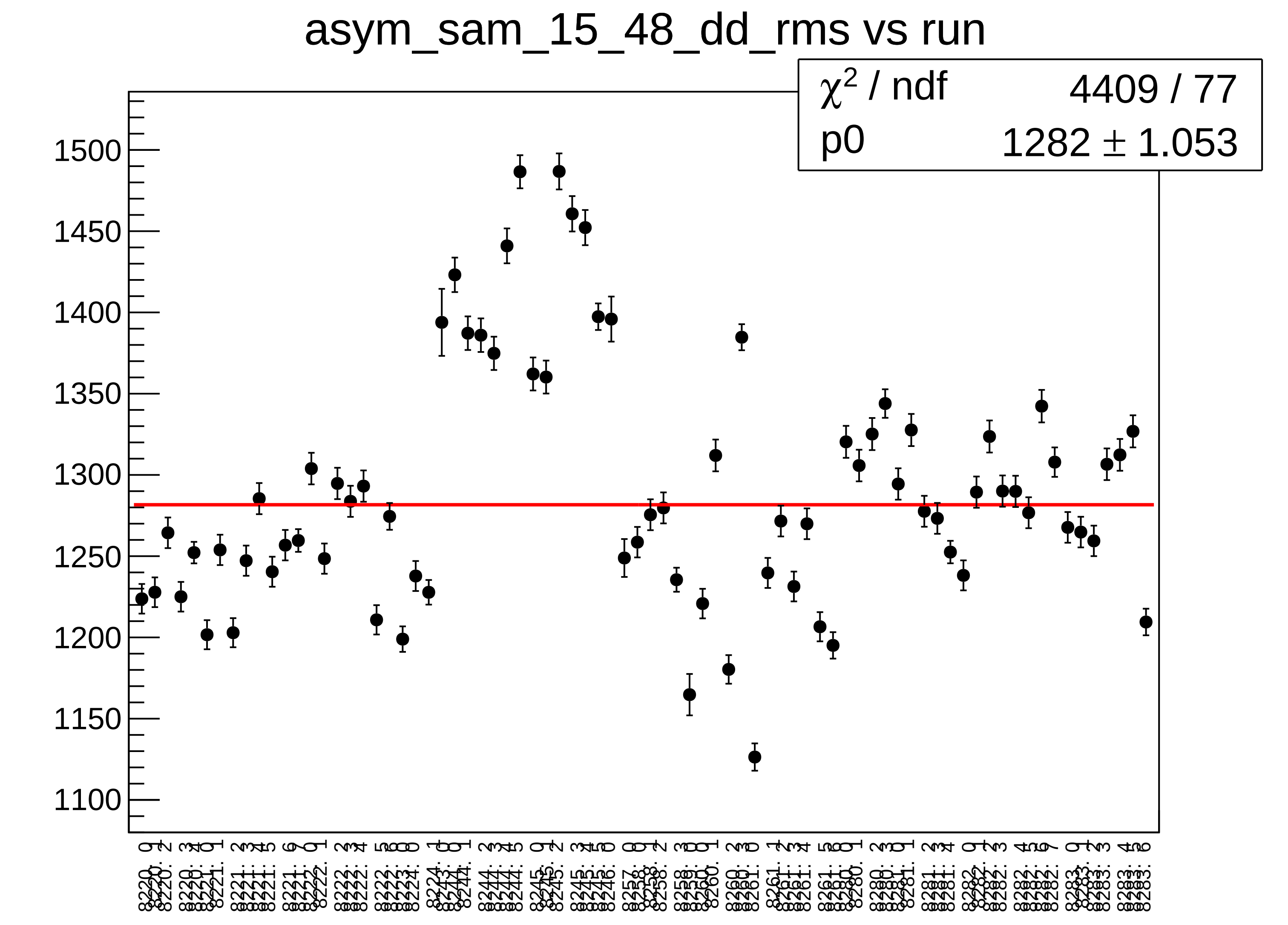


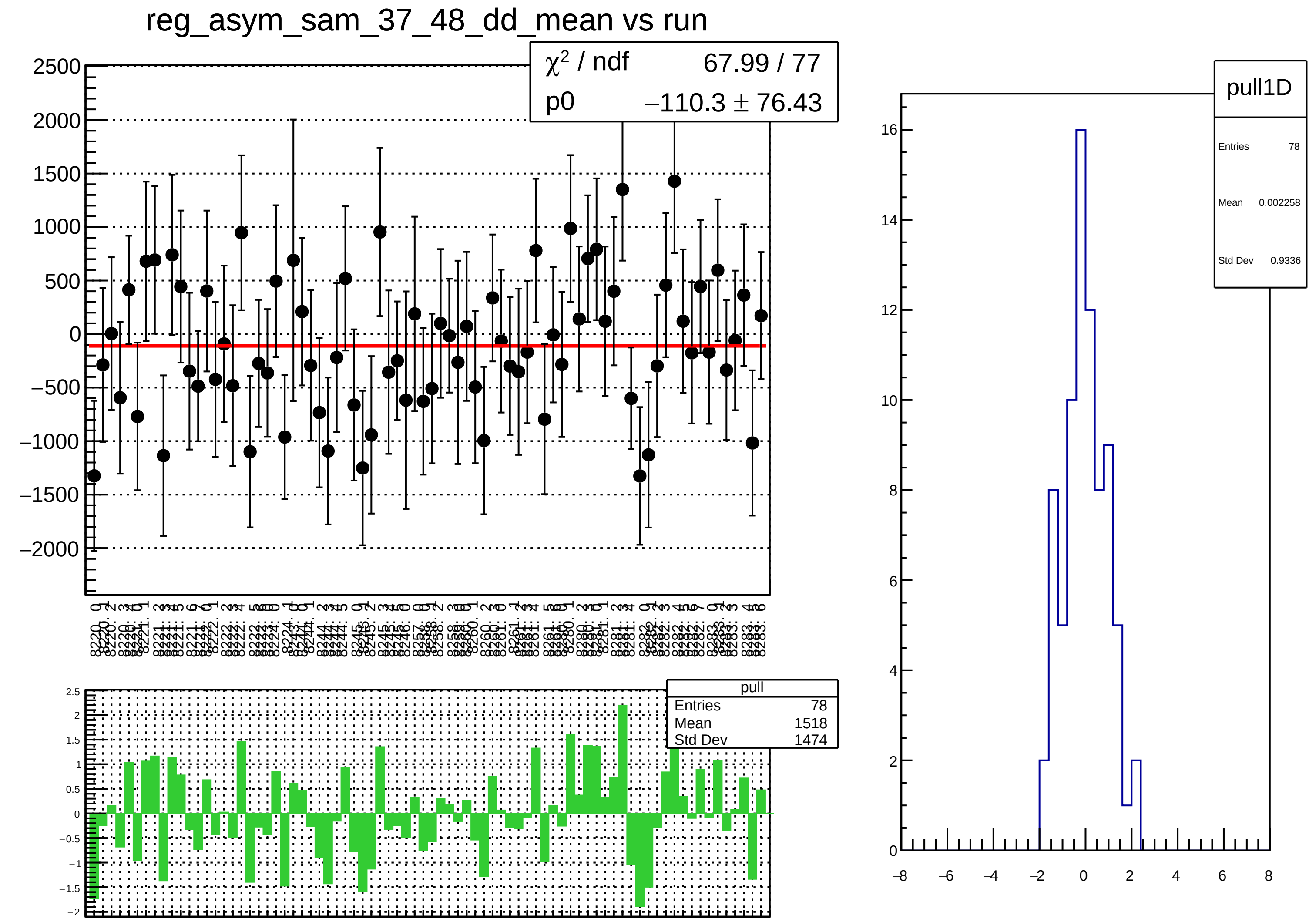
reg_asym_sam_15_48_dd_rms vs run
χ2 / ndf 1.437e+04 / 77
p0 67.04 ± 0.05529
110
100
90
80
70
60
50


asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 65.84 / 77
p0 752.4 ± 1487
pull
Entries 78
Mean −1265
Std Dev 1302
pull1D
Entries 78
Mean 0.003138
Std Dev 0.9188

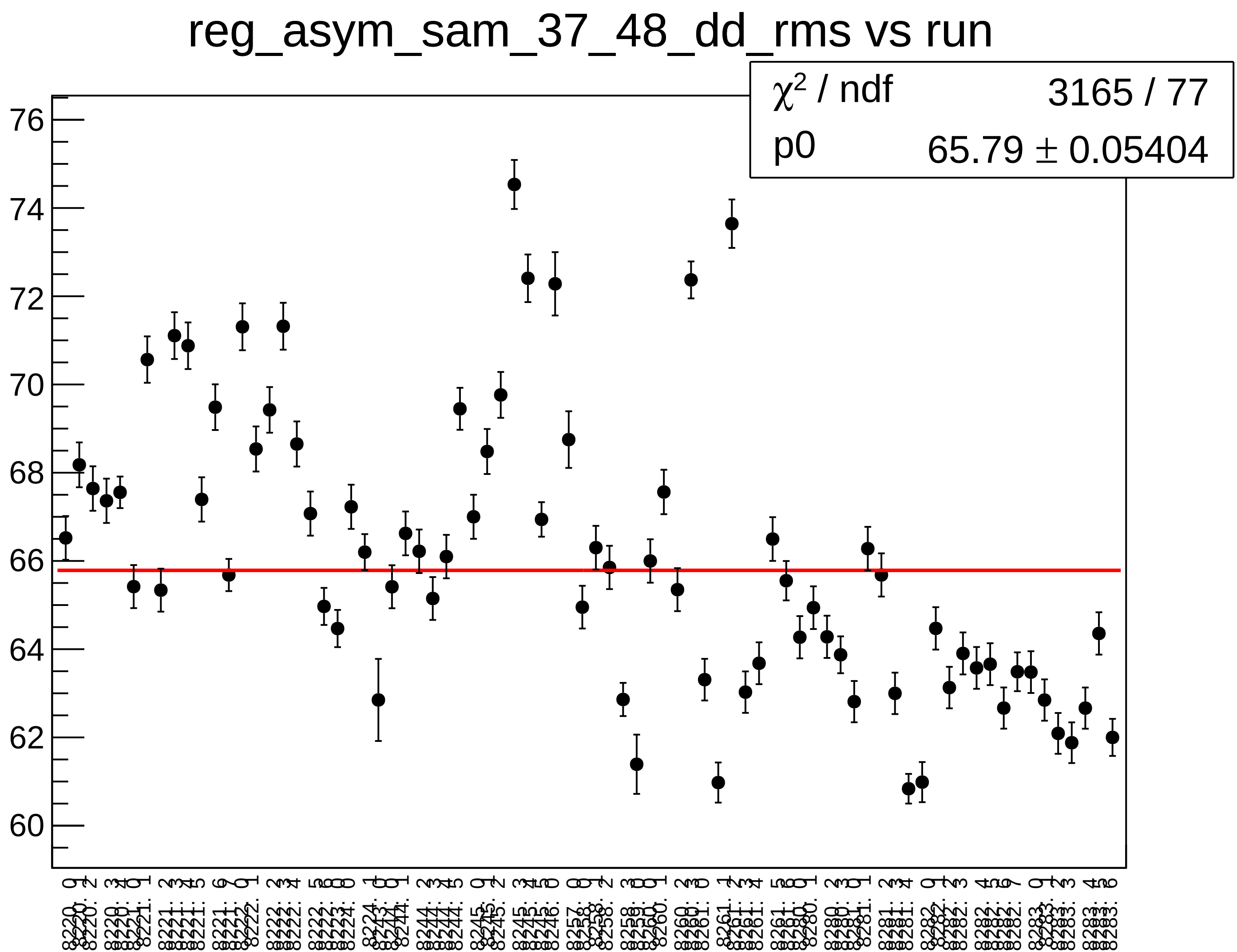

asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 4411 / 77
p0 1280 ± 1.052
1500
1450
1400
1350
1300
1250
1200
1150
1100

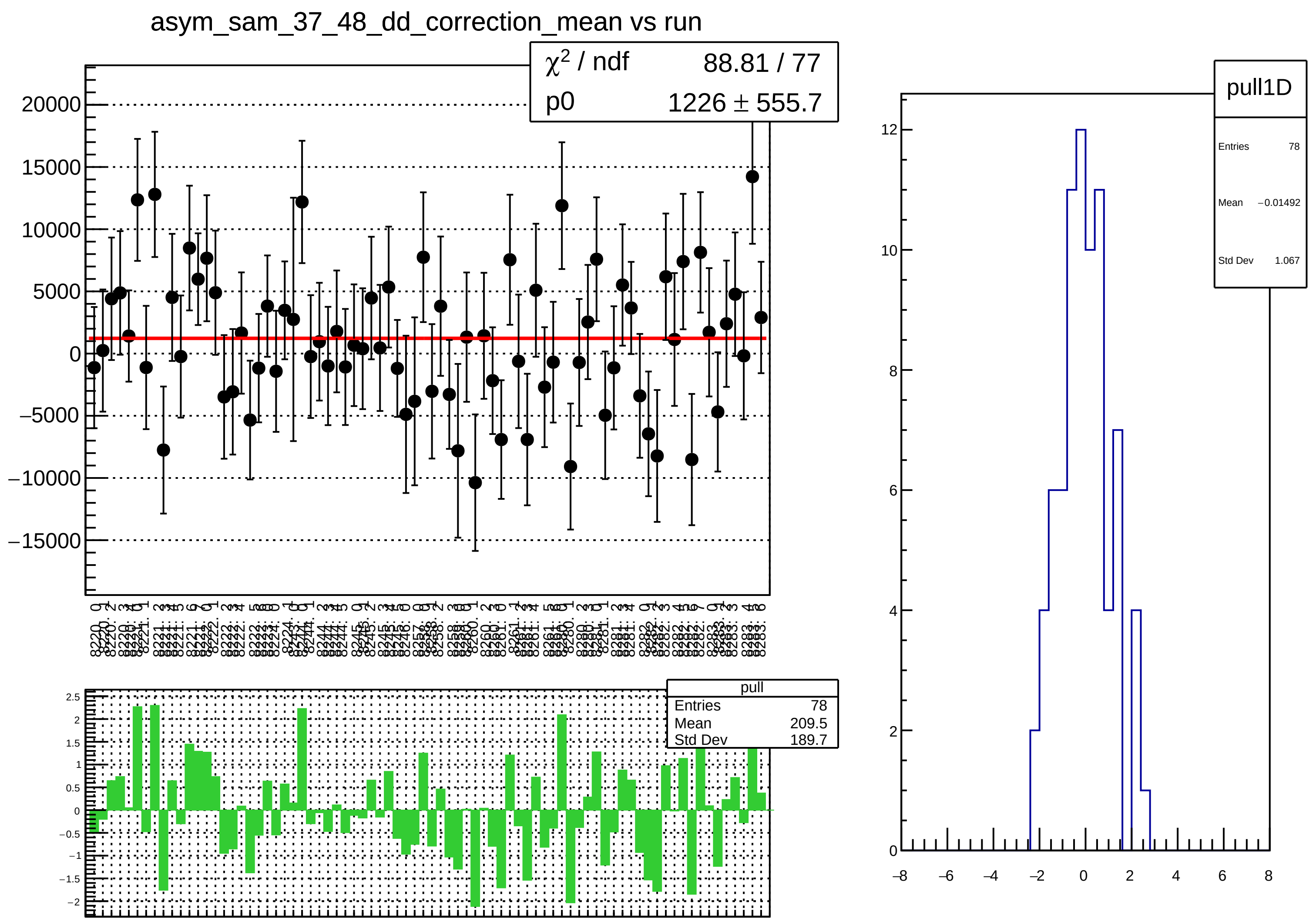

asym_sam_15_48_dd_mean vs run
χ² / ndf 65.16 / 77
p0 −851.6 ± 1490
pull
Entries 78
Mean −1000
Std Dev 1037
pull1D
Entries 78
Mean −0.004037
Std Dev 0.914

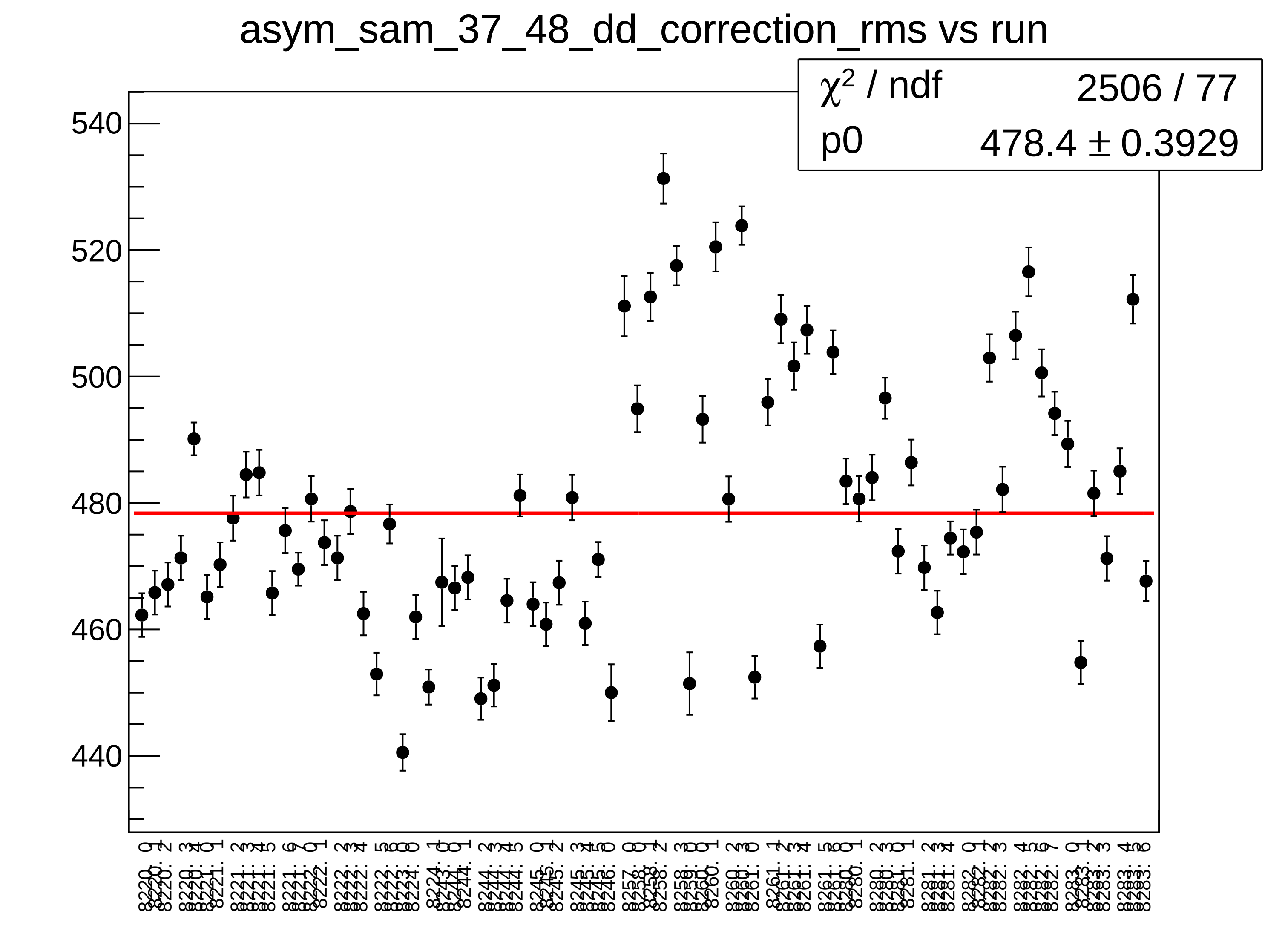

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 4409 / 77
p0 1282 ± 1.053
1500
1450
1400
1350
1300
1250
1200
1150
1100



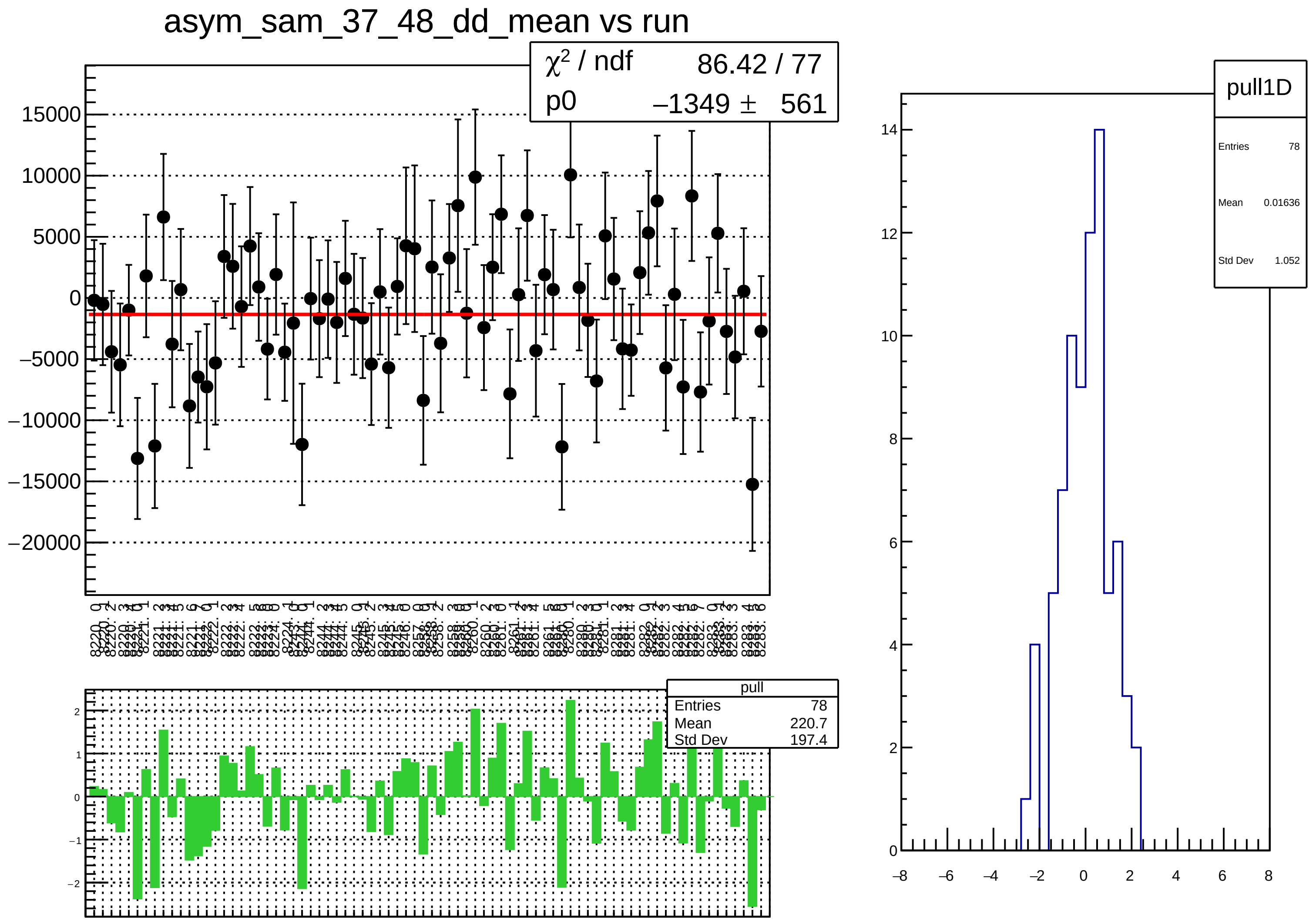
reg_asym_sam_37_48_dd_mean vs run
χ2 / ndf 67.99 / 77
p0 −110.3 ± 76.43
pull
Entries 78
Mean 1518
Std Dev 1474
pull1D
Entries 78
Mean 0.002258
Std Dev 0.9336

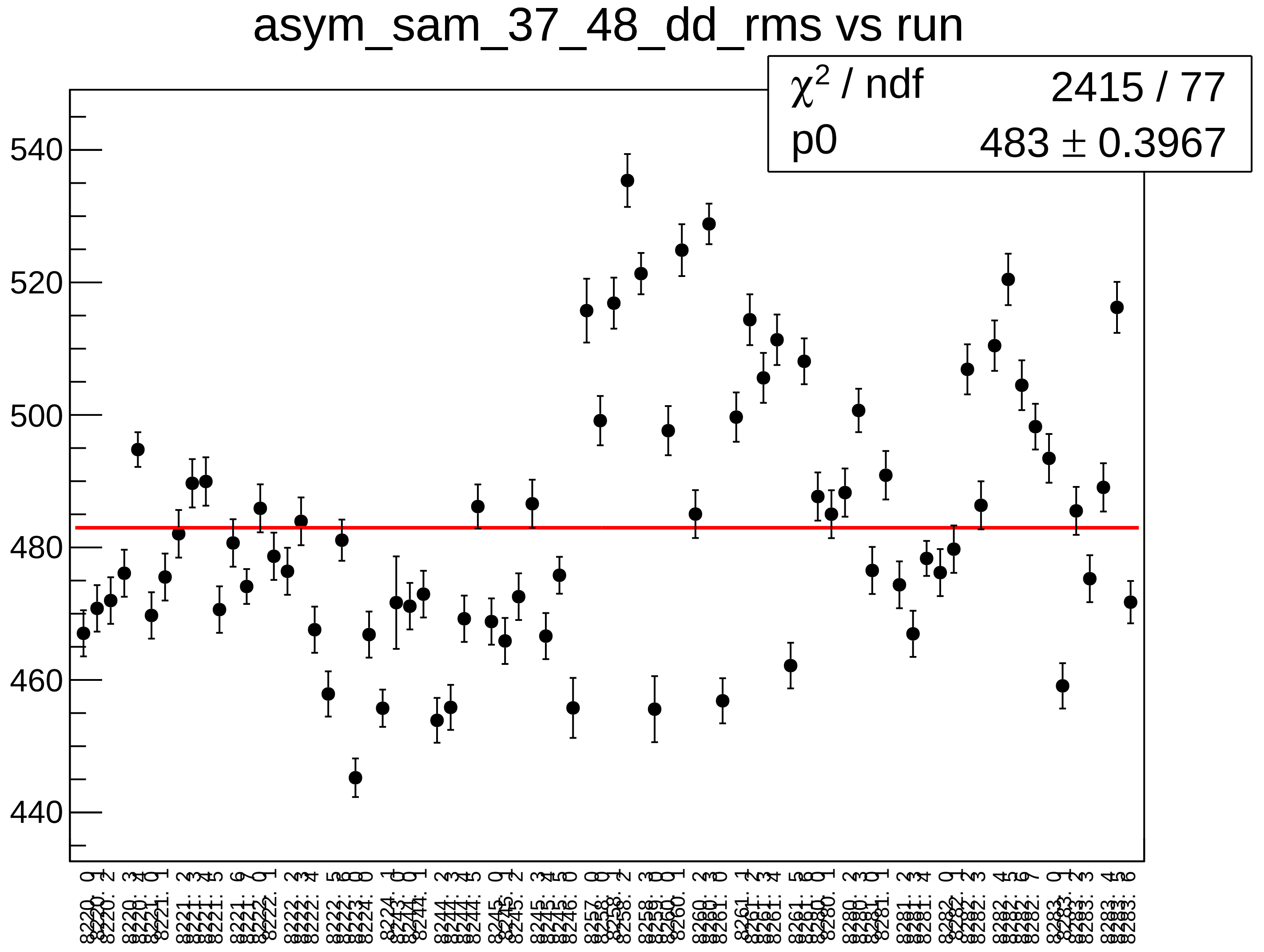

reg_asym_sam_37_48_dd_rms vs run
χ2 / ndf 3165 / 77
p0 65.79 ± 0.05404
76
74
72
70
68
66
64
62
60

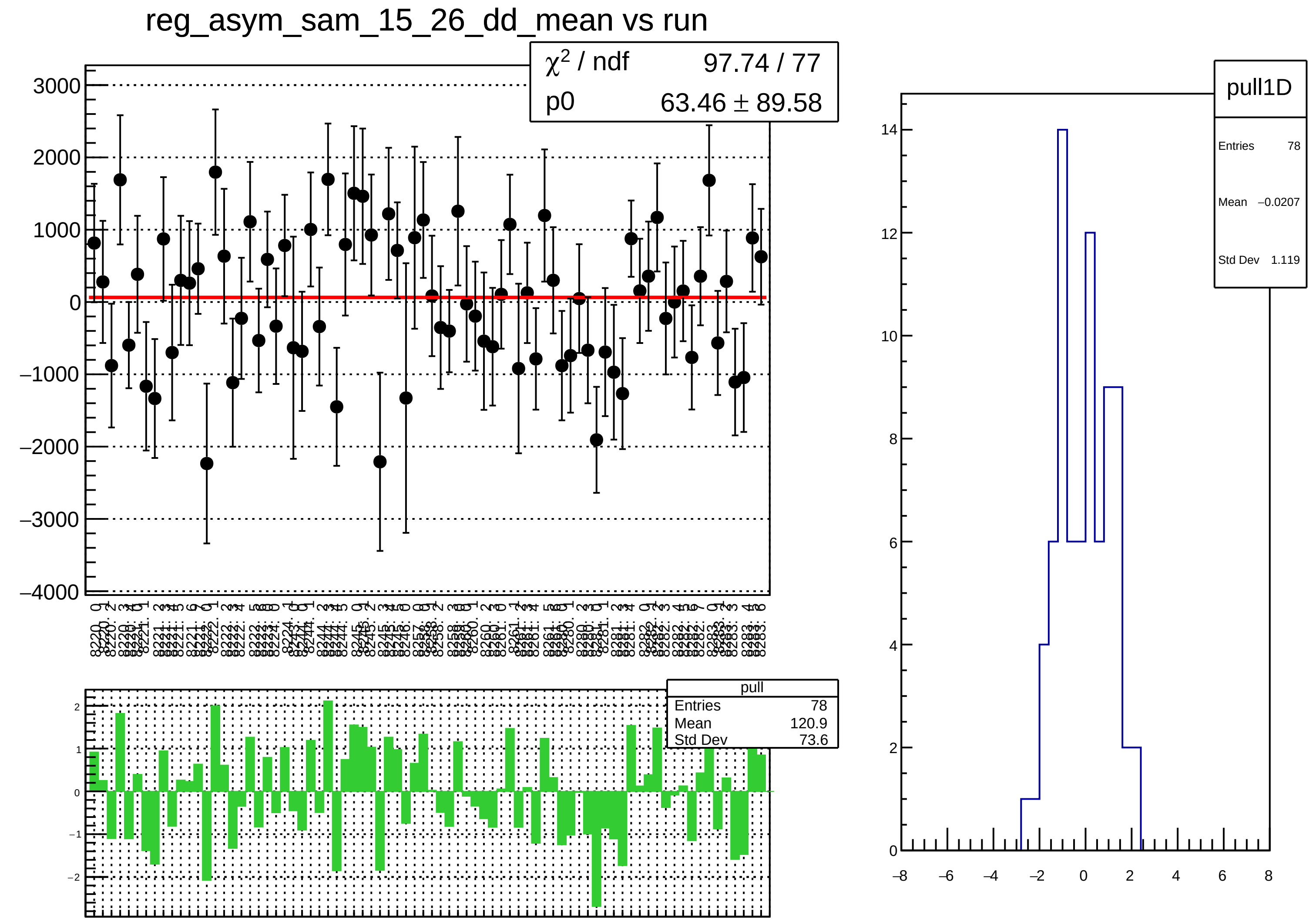

asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 88.81 / 77
p0 1226 ± 555.7
pull
Entries 78
Mean 209.5
Std Dev 189.7
pull1D
Entries 78
Mean −0.01492
Std Dev 1.067

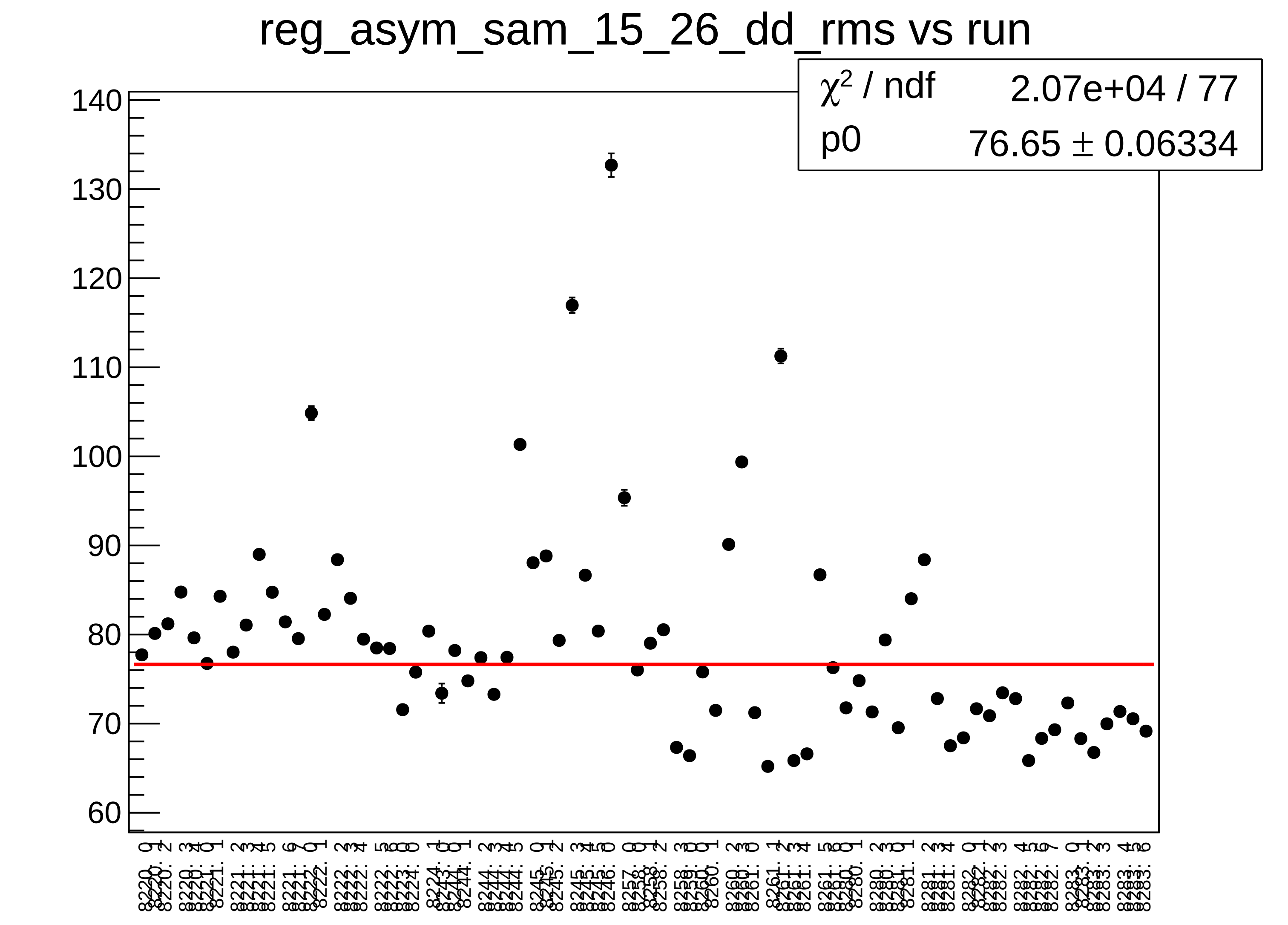


asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2506 / 77
p0 478.4 ± 0.3929
540
520
500
480
460
440

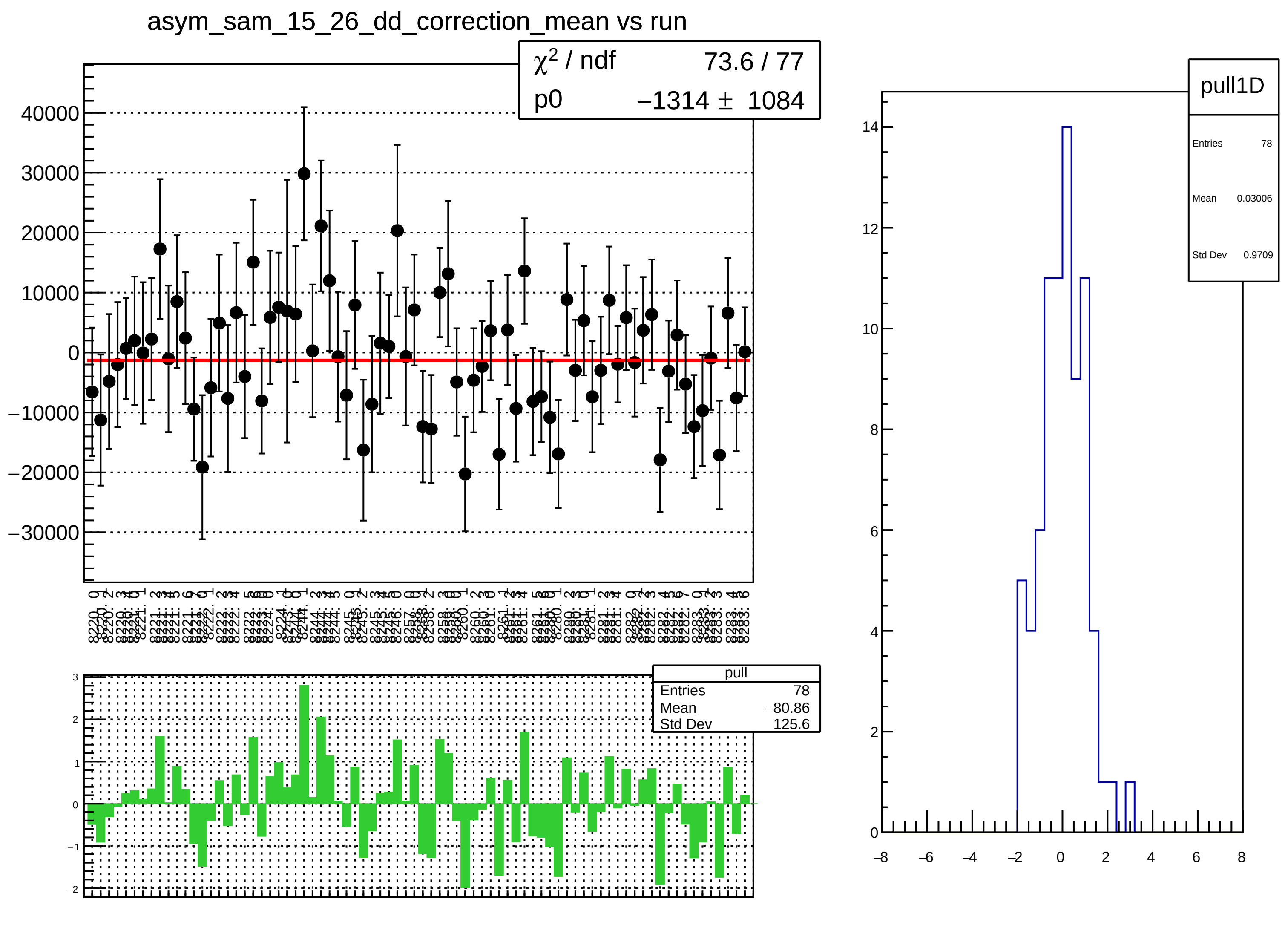

asym_sam_37_48_dd_mean vs run
χ2 / ndf 86.42 / 77
p0 −1349 ± 561
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 78
Mean 220.7
Std Dev 197.4
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01636
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2415 / 77
p0 483 ± 0.3967
540
520
500
480
460
440

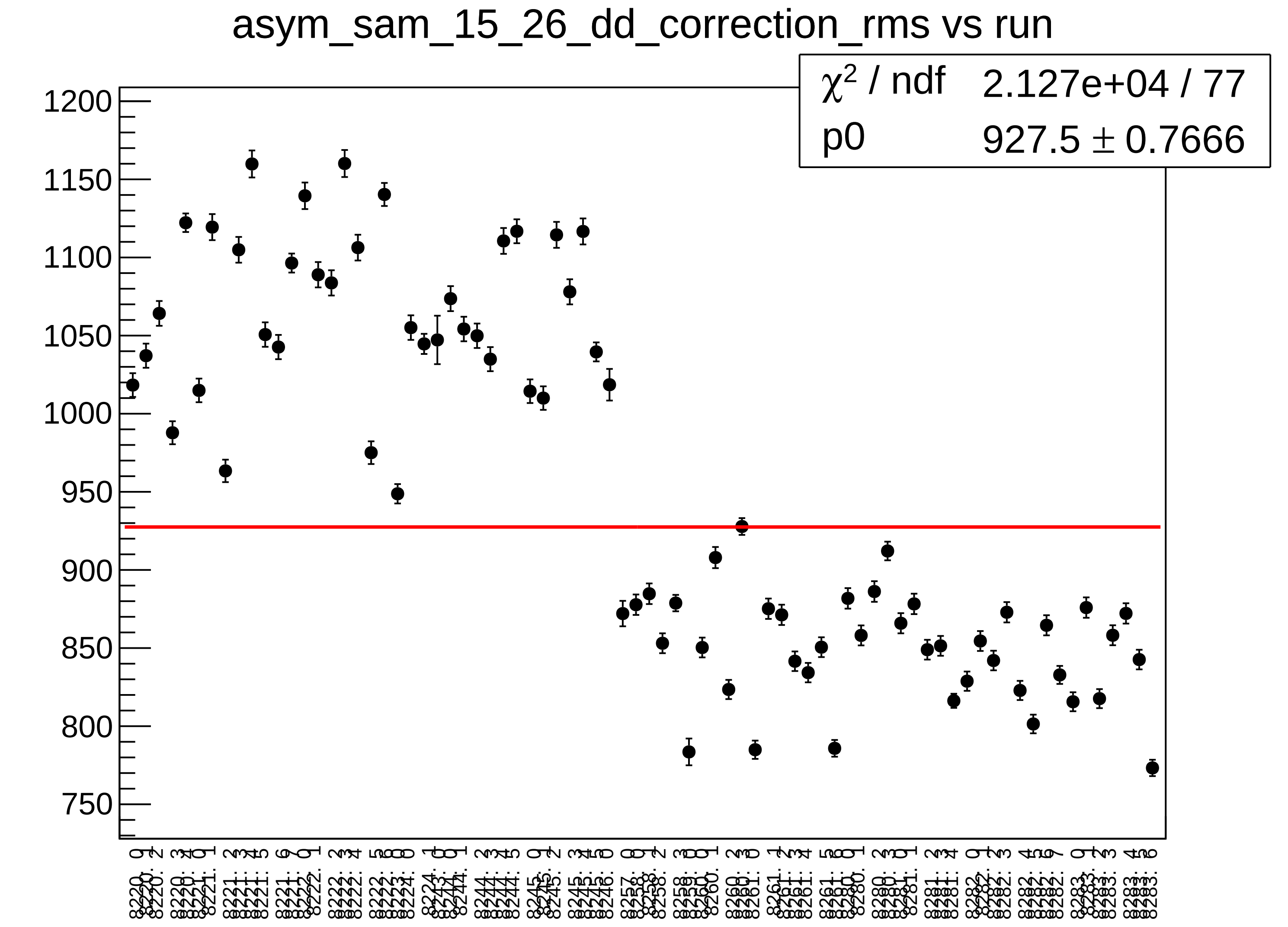

reg_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 97.74 / 77
p0 63.46 ± 89.58
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 78
Mean 120.9
Std Dev 73.6
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.0207
Std Dev 1.119
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

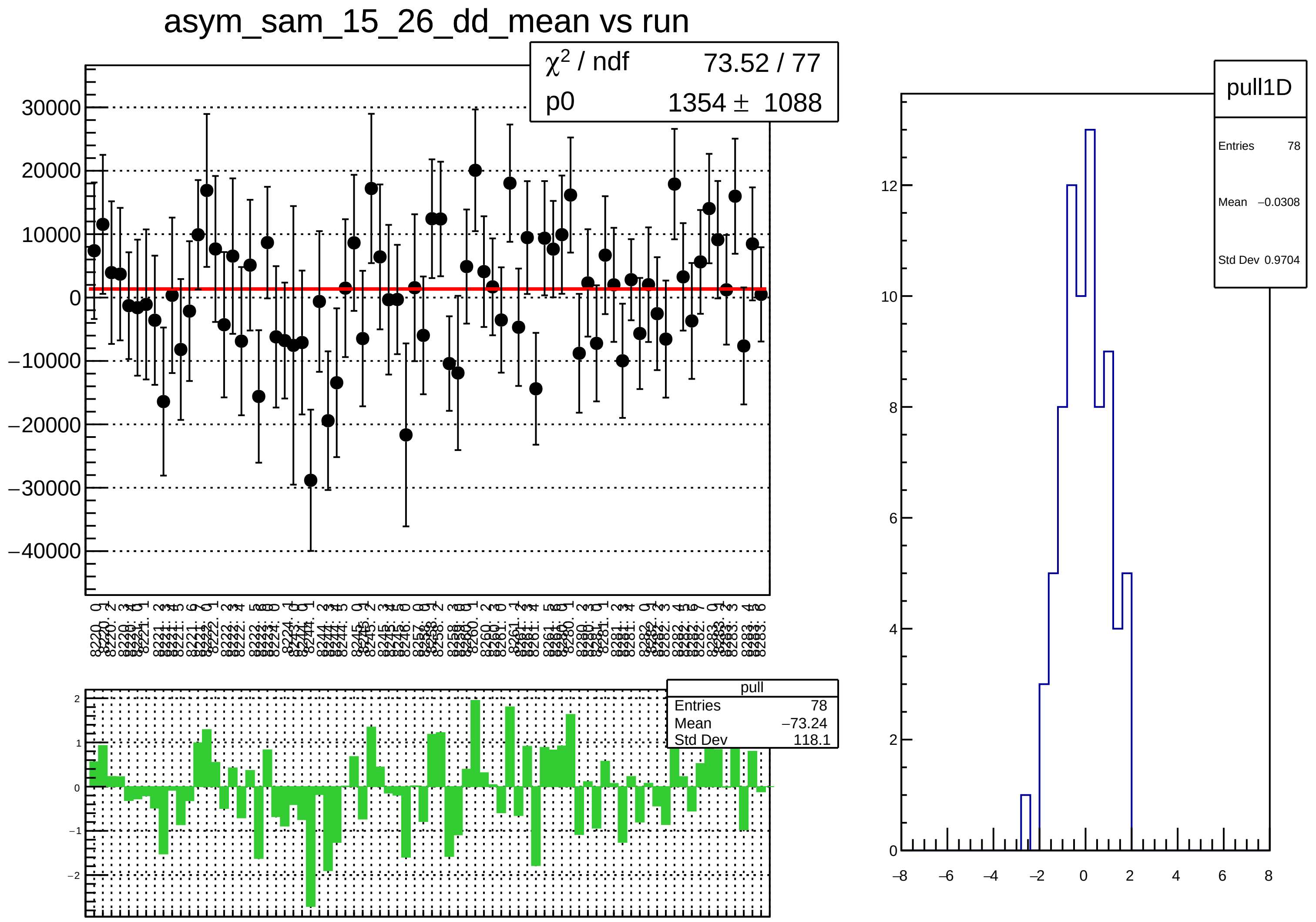


reg_asym_sam_15_26_dd_rms vs run
χ2 / ndf 2.07e+04 / 77
p0 76.65 ± 0.06334

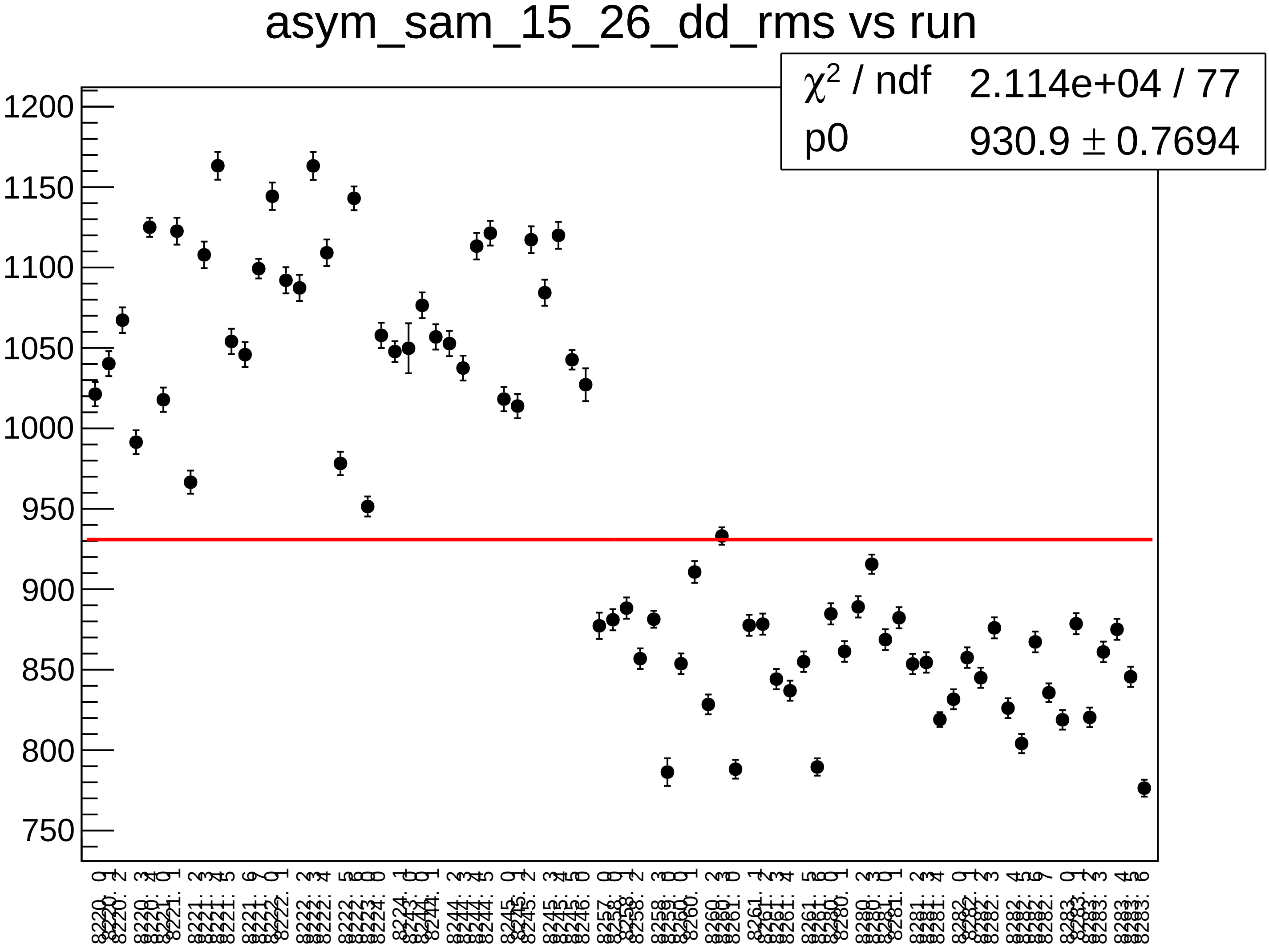


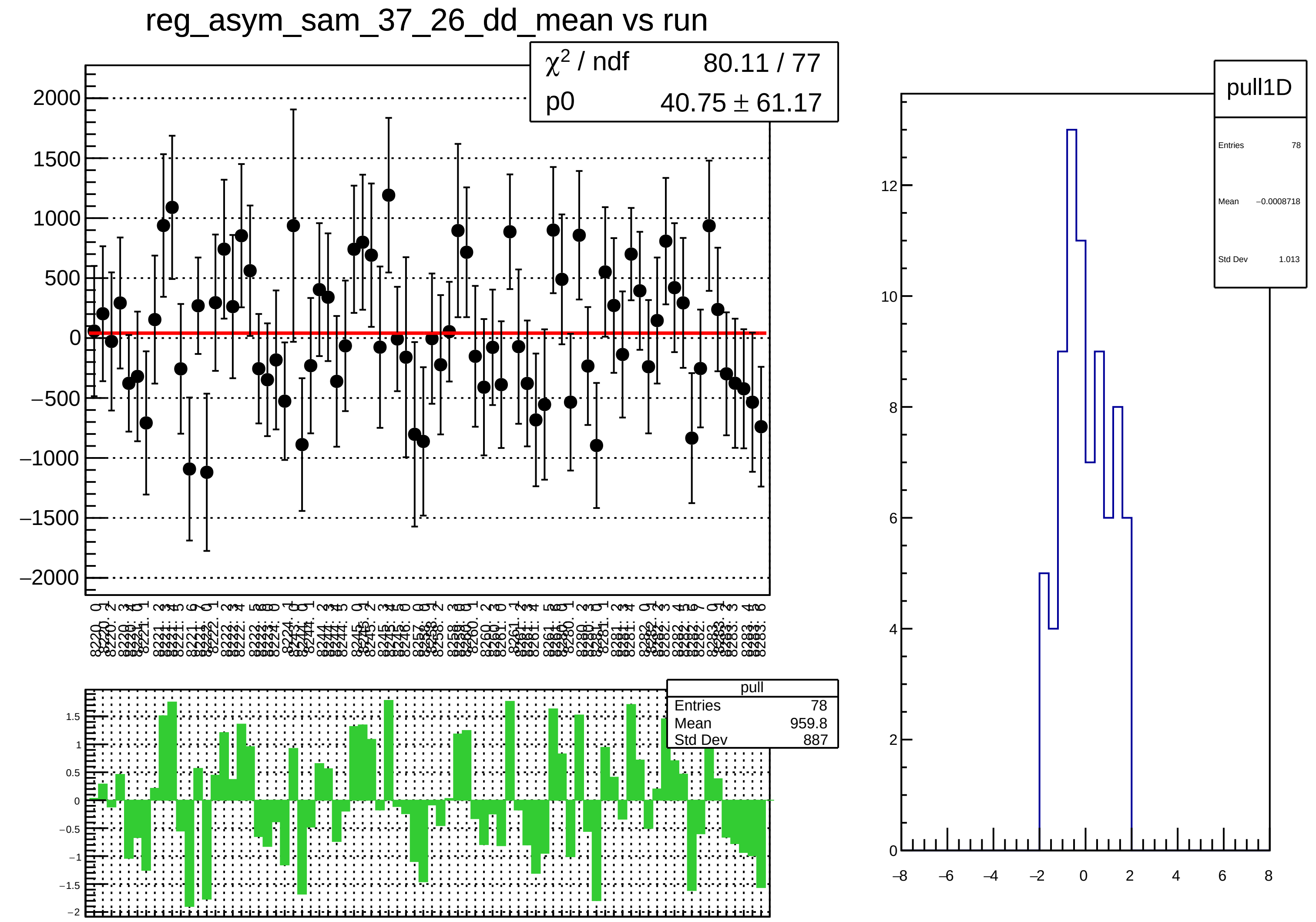
asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 73.6 / 77
p0 −1314 ± 1084
pull
Entries 78
Mean −80.86
Std Dev 125.6
pull1D
Entries 78
Mean 0.03006
Std Dev 0.9709


asym_sam_15_26_dd_correction_rms vs run
χ2 / ndf 2.127e+04 / 77
p0 927.5 ± 0.7666
1200
1150
1100
1050
1000
950
900
850
800
750

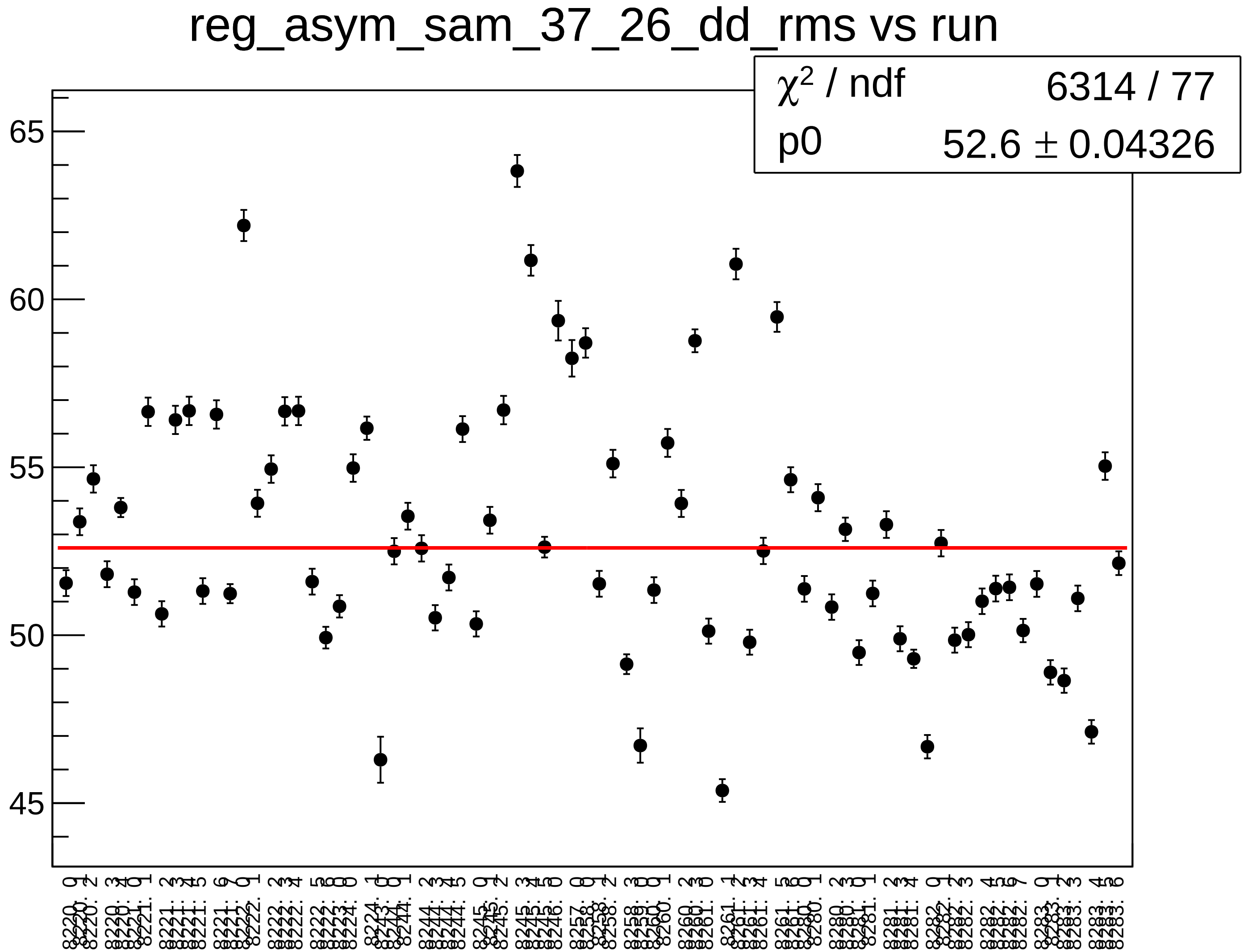


asym_sam_15_26_dd_mean vs run
χ^2 / ndf 73.52 / 77
p0 1354 ± 1088
pull
Entries 78
Mean −73.24
Std Dev 118.1
pull1D
Entries 78
Mean −0.0308
Std Dev 0.9704

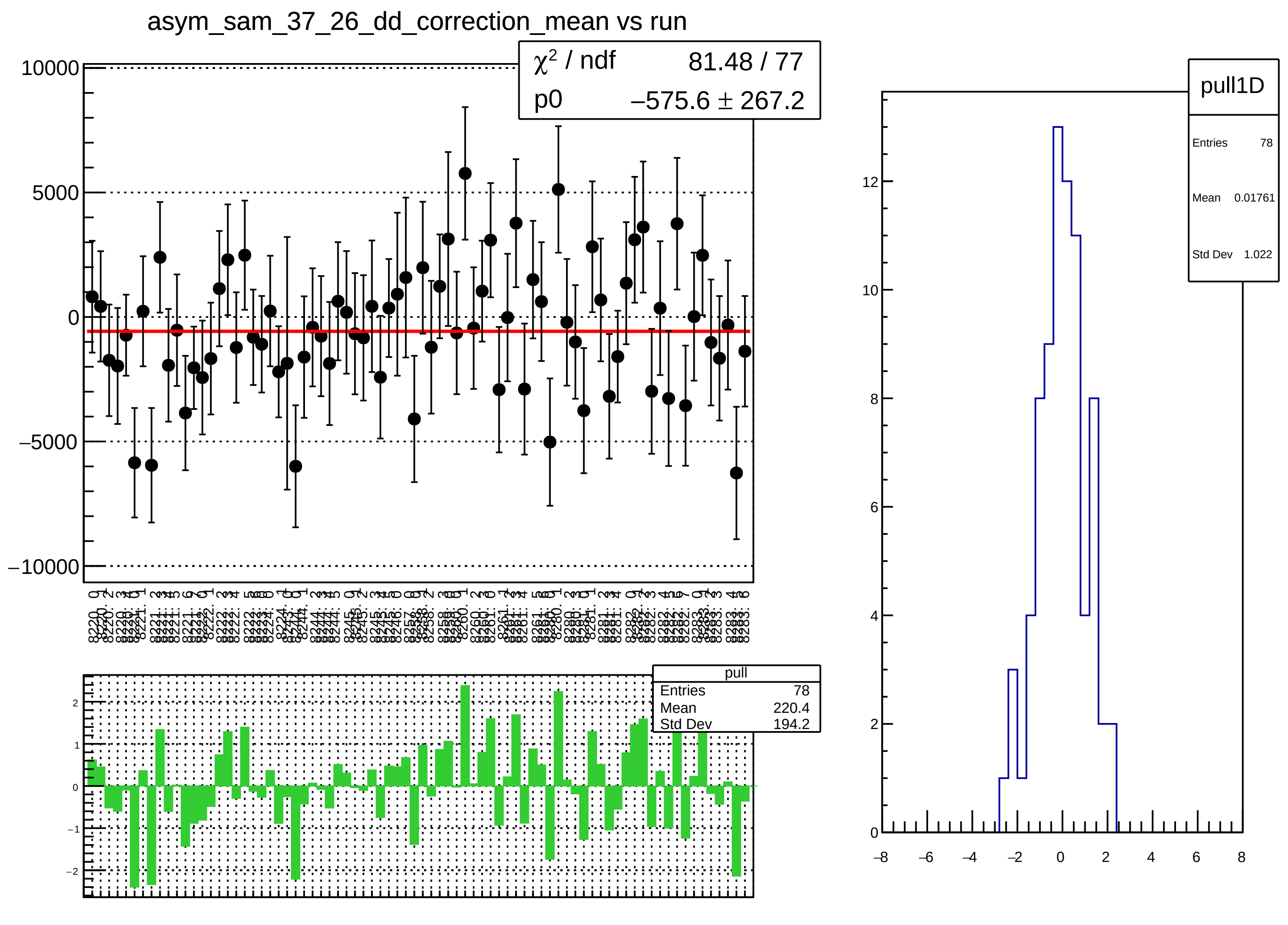

asym_sam_15_26_dd_rms vs run
χ2 / ndf 2.114e+04 / 77
p0 930.9 ± 0.7694
1200
1150
1100
1050
1000
950
900
850
800
750



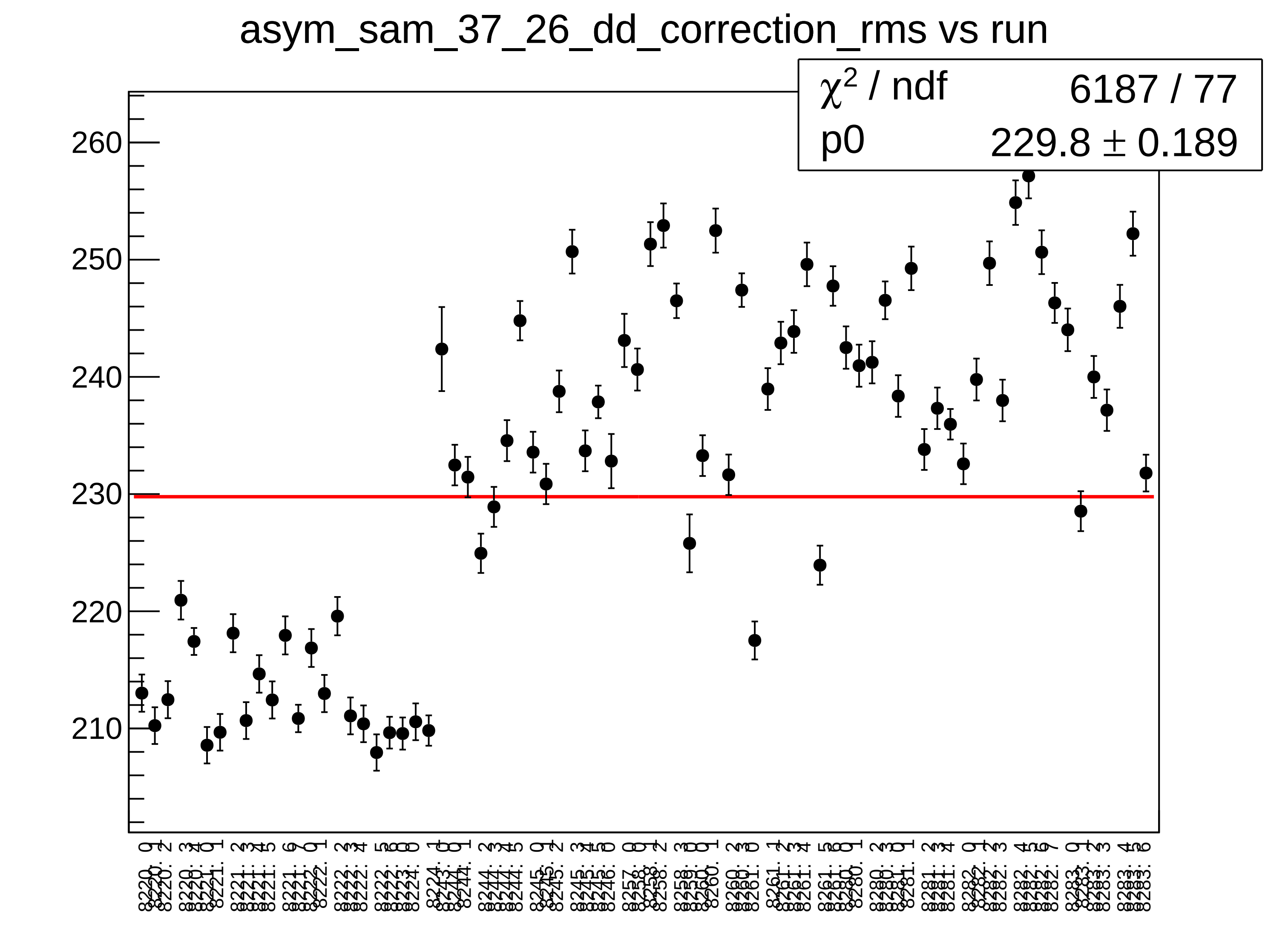
reg_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 80.11 / 77
p0 40.75 ± 61.17
pull
Entries 78
Mean 959.8
Std Dev 887
pull1D
Entries 78
Mean −0.0008718
Std Dev 1.013



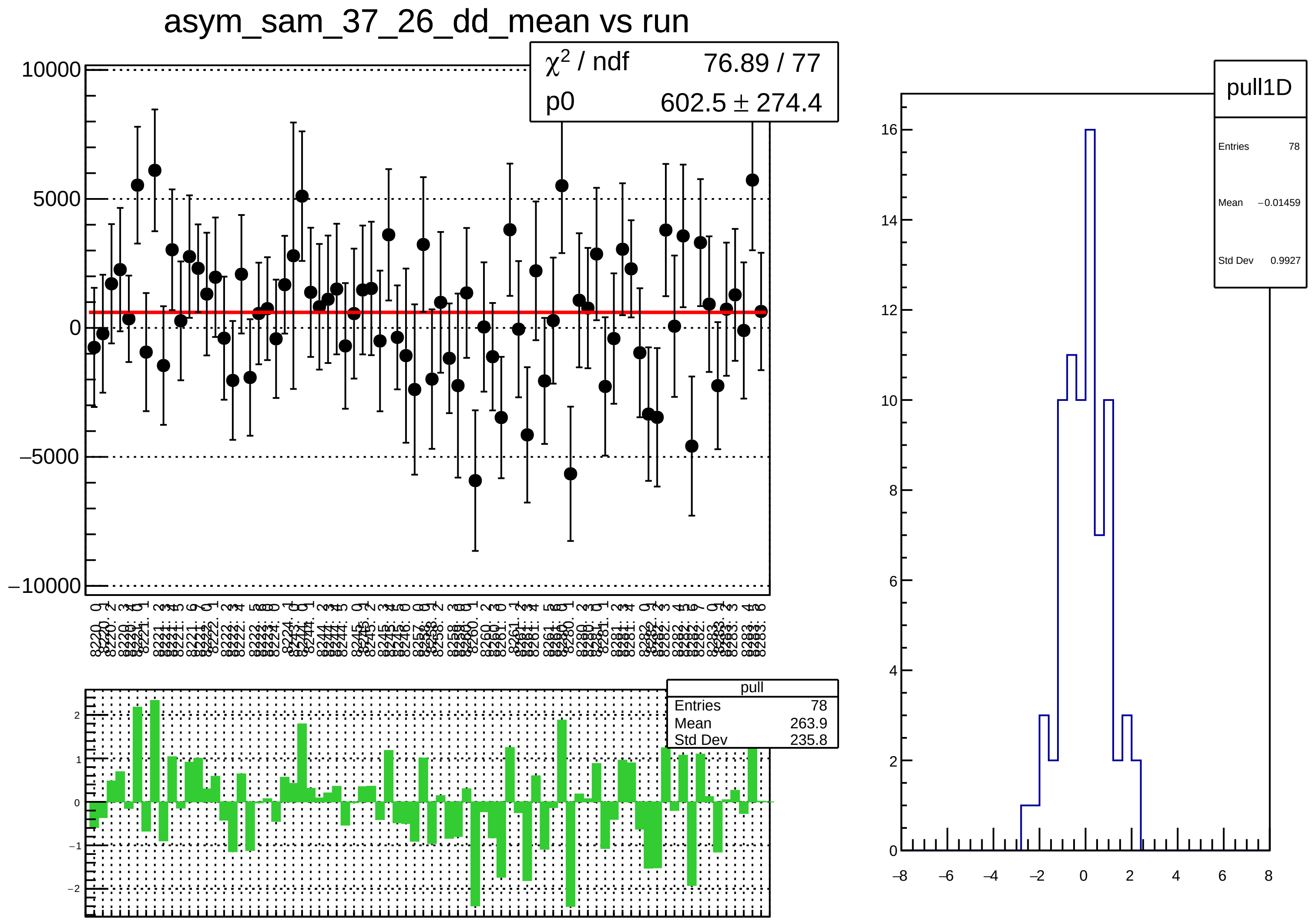
reg_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 6314 / 77
p0 52.6 ± 0.04326
65
60
55
50
45



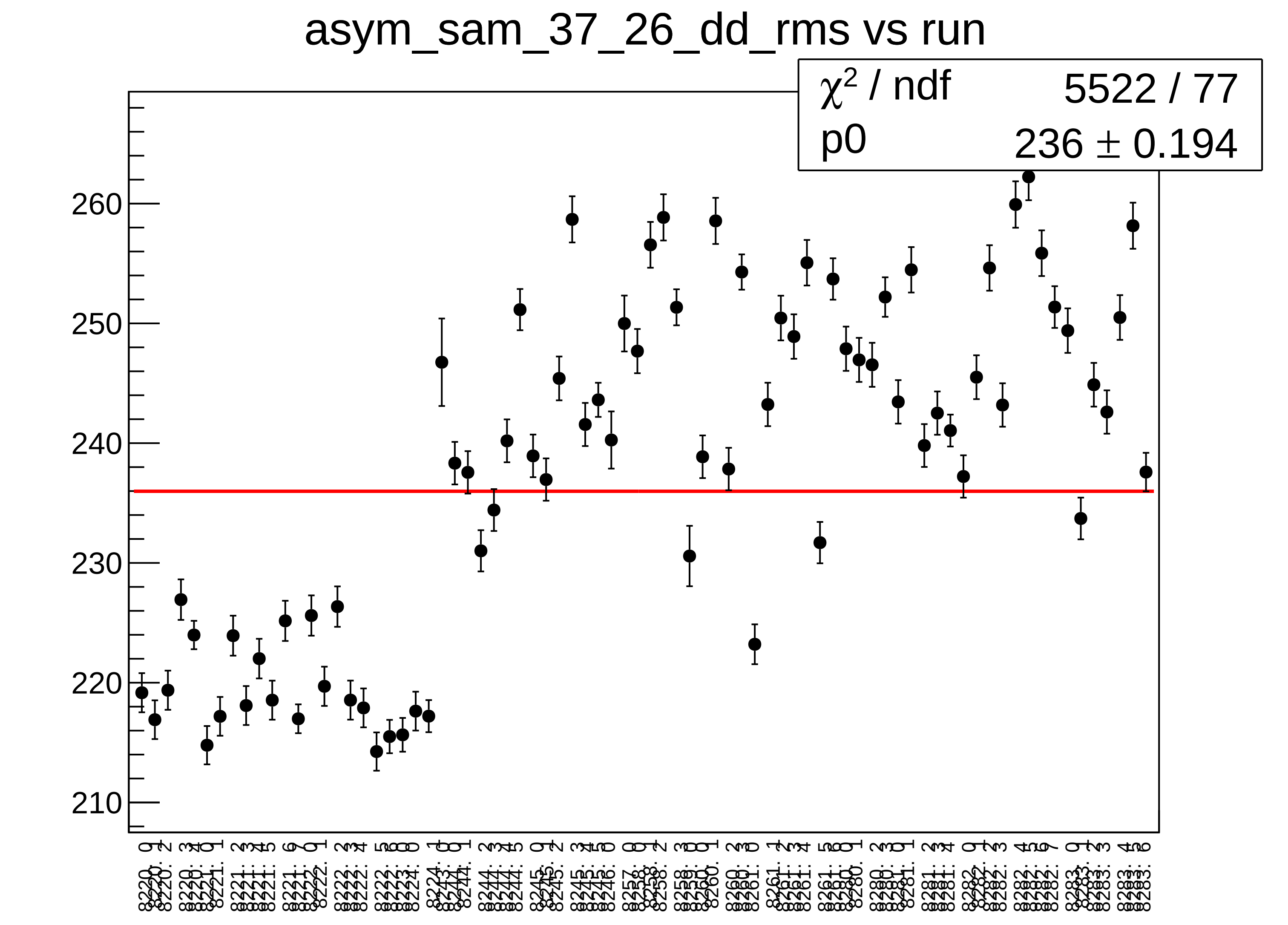
asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 81.48 / 77
p0 −575.6 ± 267.2
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 220.4
Std Dev 194.2
pull1D
Entries 78
Mean 0.01761
Std Dev 1.022

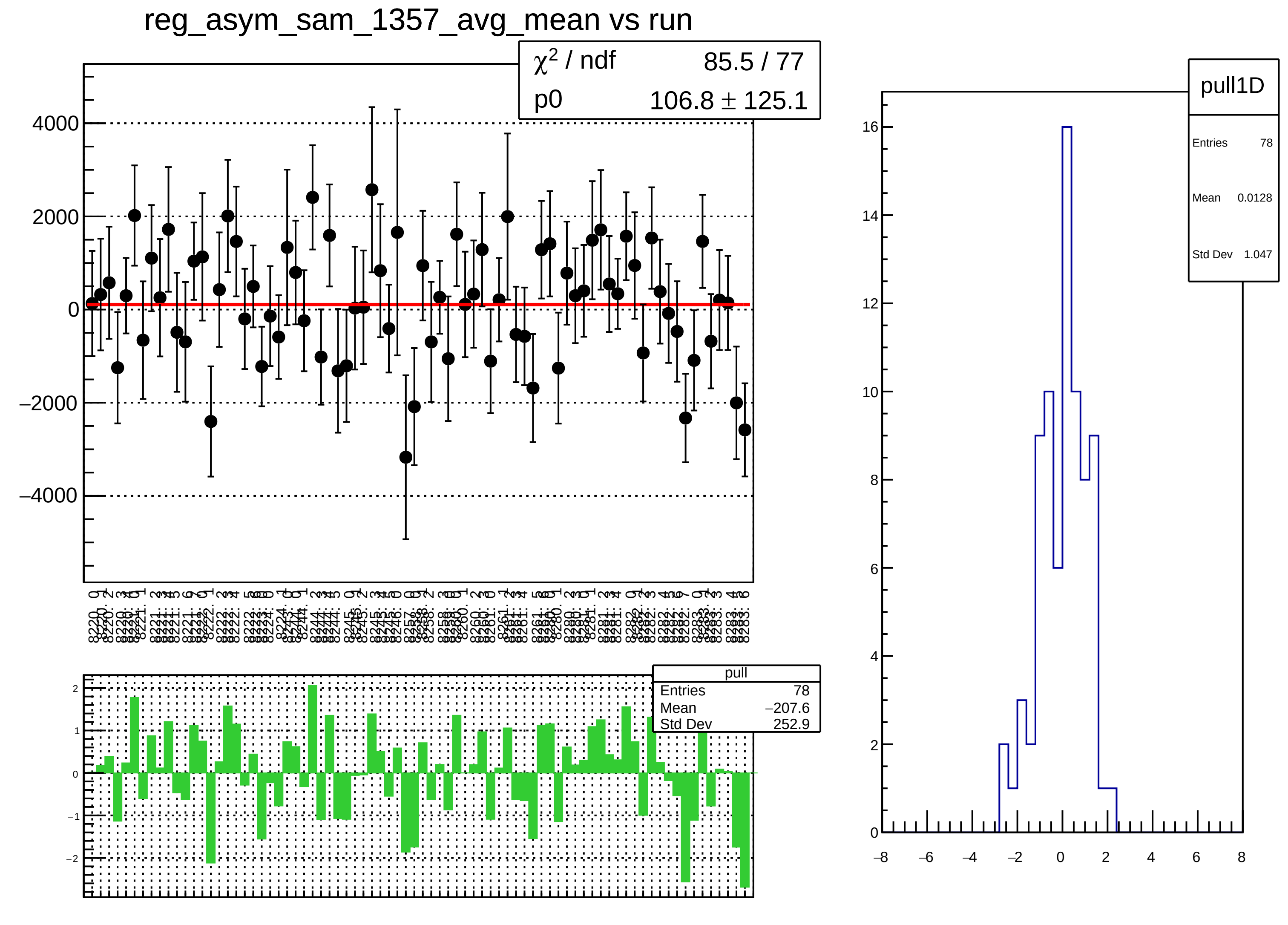


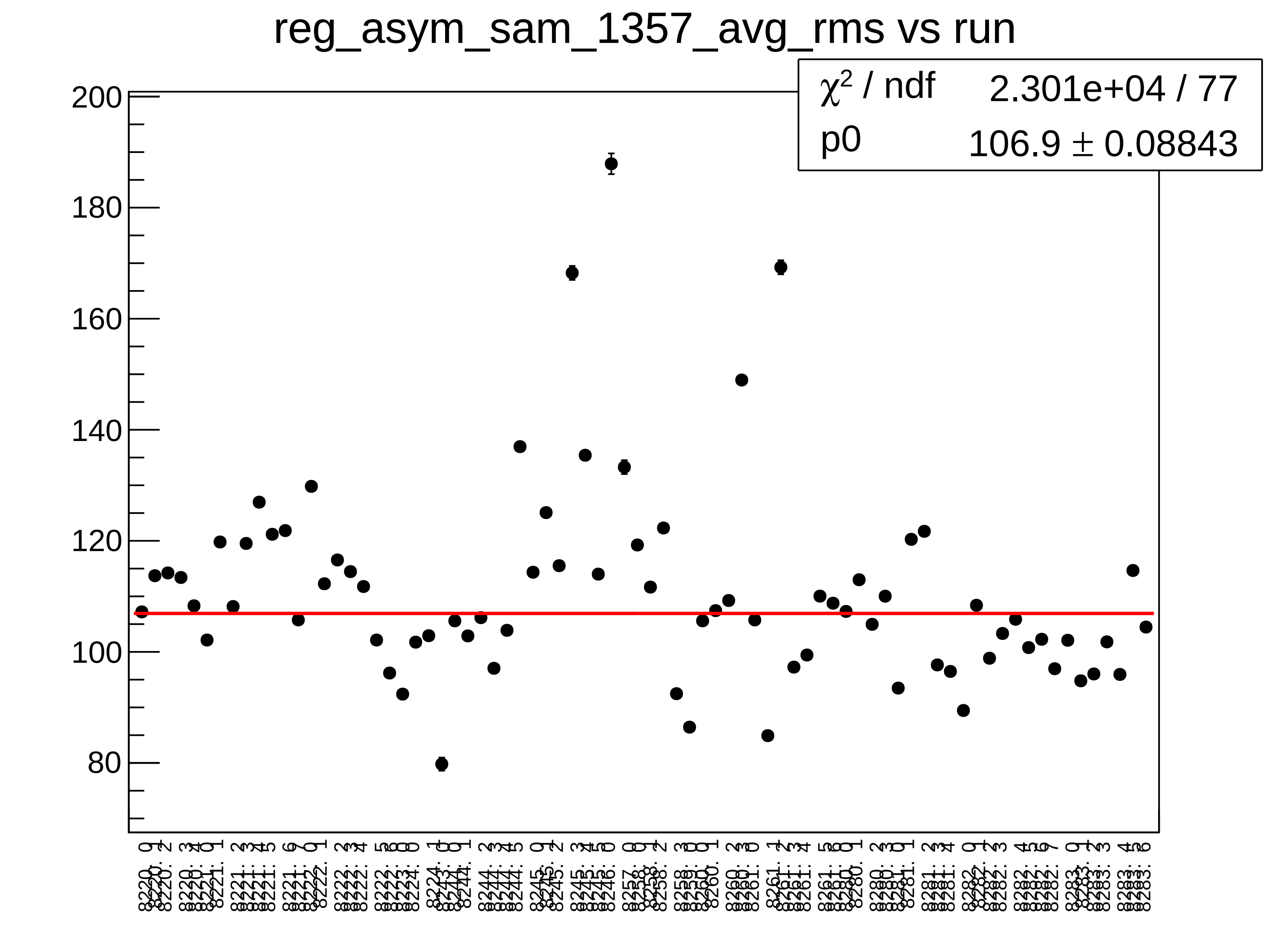
asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 6187 / 77
p0 229.8 ± 0.189
260
250
240
230
220
210

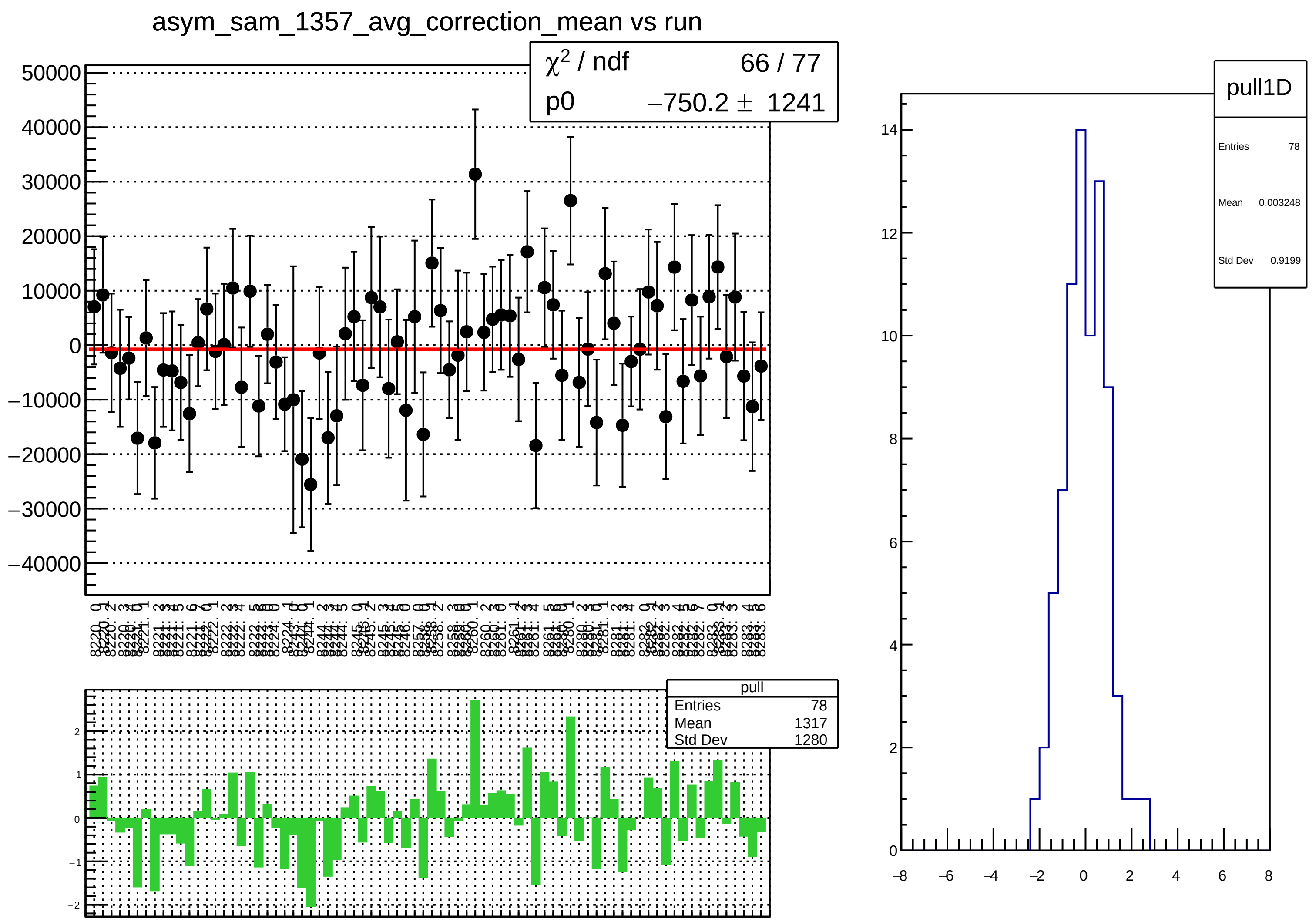


asym_sam_37_26_dd_mean vs run
χ^2 / ndf 76.89 / 77
p0 602.5 ± 274.4
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 263.9
Std Dev 235.8
pull1D
Entries 78
Mean −0.01459
Std Dev 0.9927

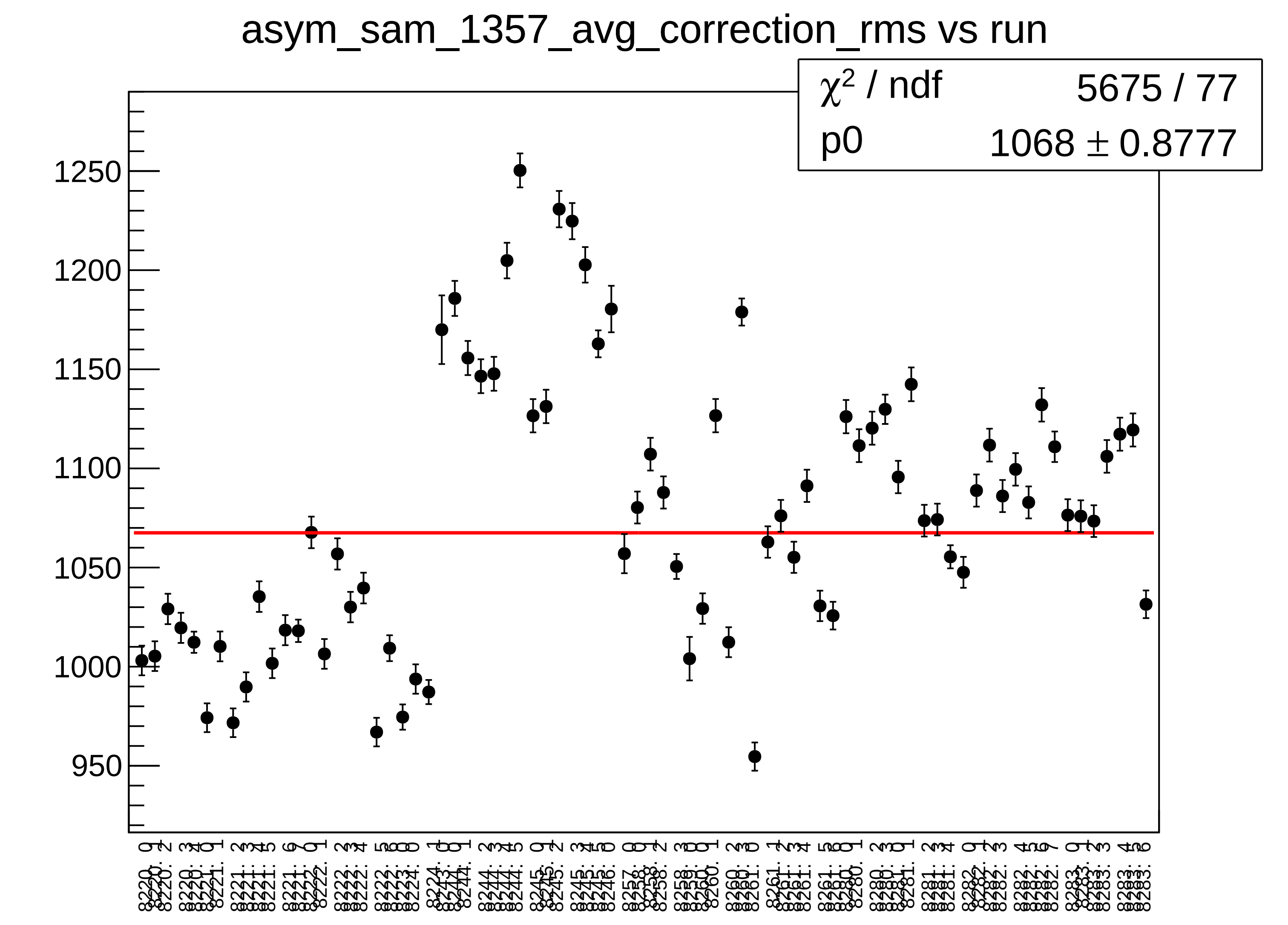

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 5522 / 77
p0 236 ± 0.194
260
250
240
230
220
210


reg_asym_sam_1357_avg_mean vs run
χ^2 / ndf 85.5 / 77
p0 106.8 ± 125.1
pull
Entries 78
Mean −207.6
Std Dev 252.9
pull1D
Entries 78
Mean 0.0128
Std Dev 1.047


reg_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.301e+04 / 77
p0 106.9 ± 0.08843
200
180
160
140
120
100
80

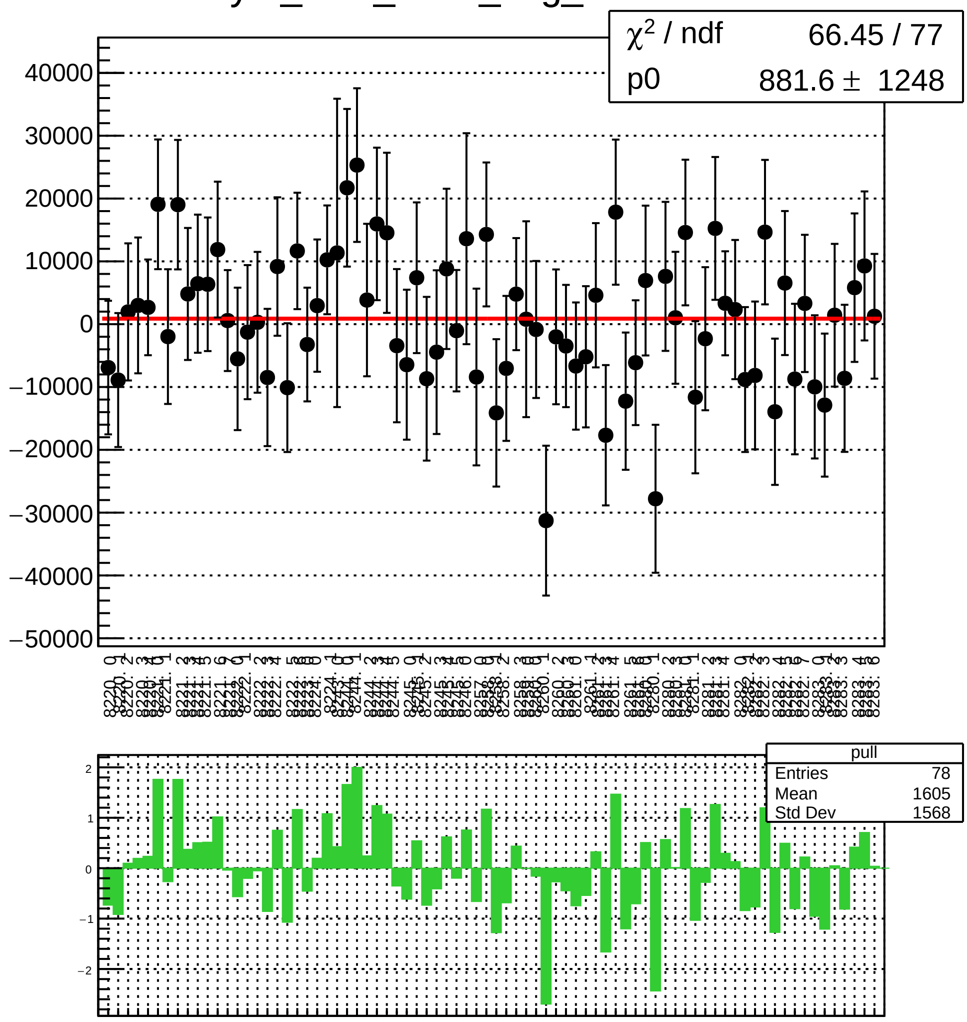


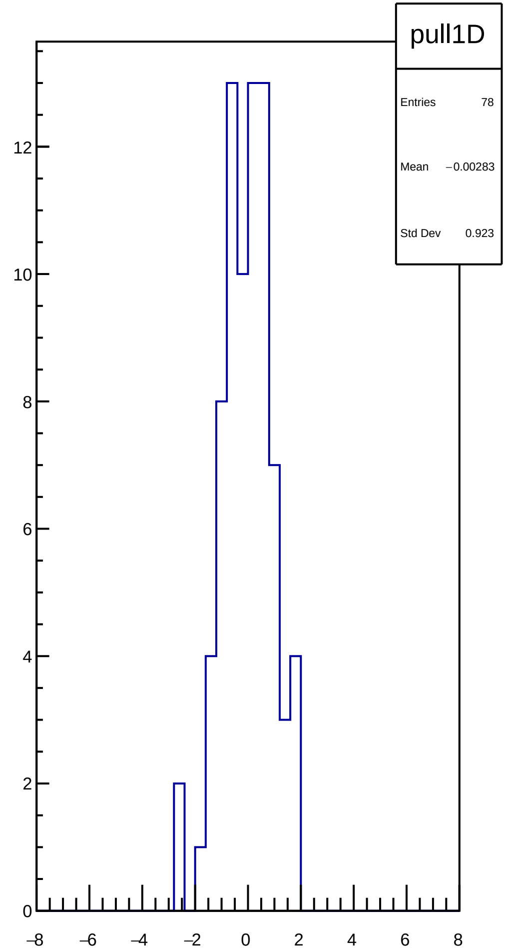
asym_sam_1357_avg_correction_mean vs run
χ^2 / ndf 66 / 77
p0 −750.2 ± 1241
pull
Entries 78
Mean 1317
Std Dev 1280
pull1D
Entries 78
Mean 0.003248
Std Dev 0.9199

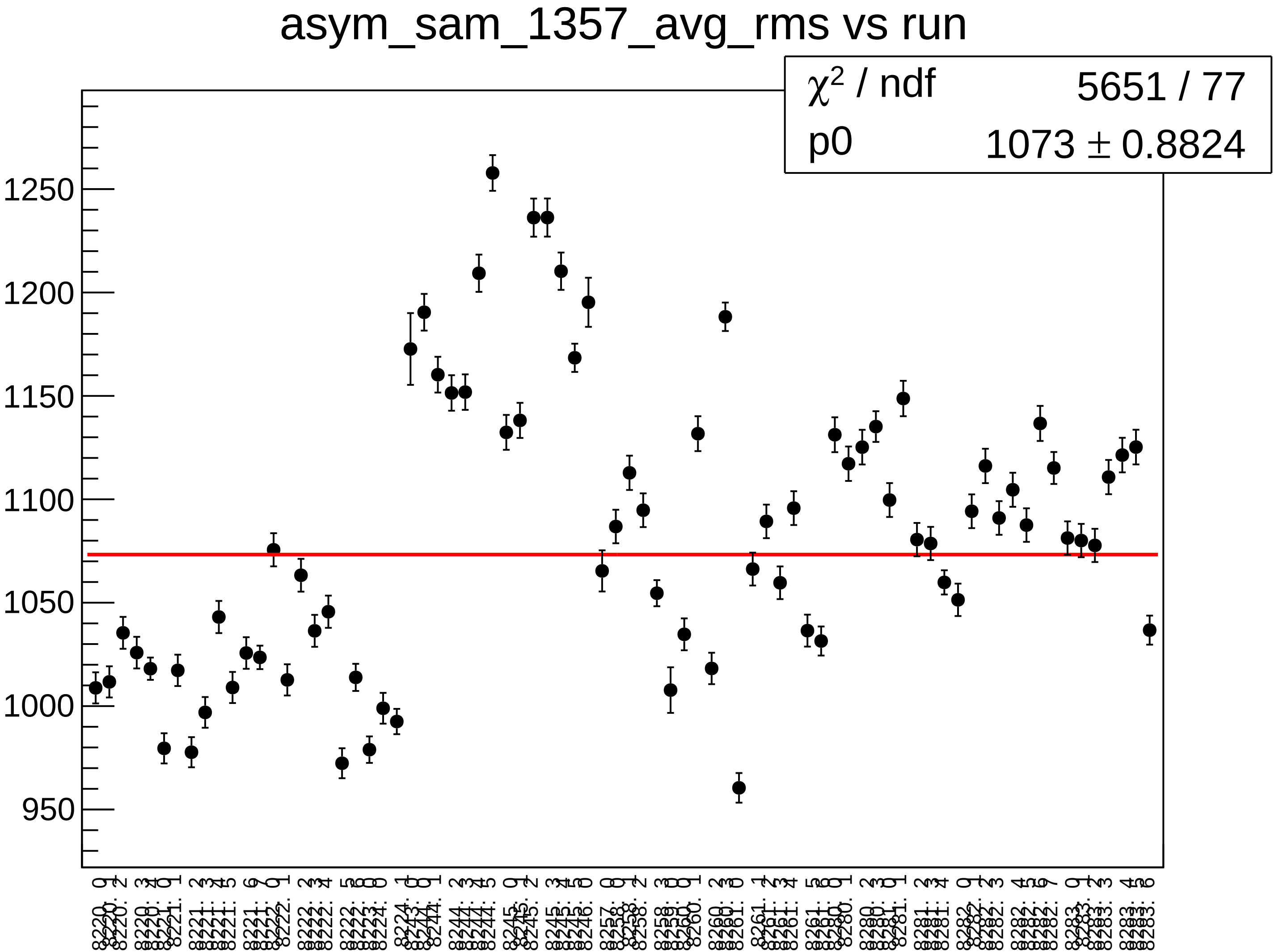


asym_sam_1357_avg_correction_rms vs run
χ2 / ndf 5675 / 77
p0 1068 ± 0.8777
1250
1200
1150
1100
1050
1000
950

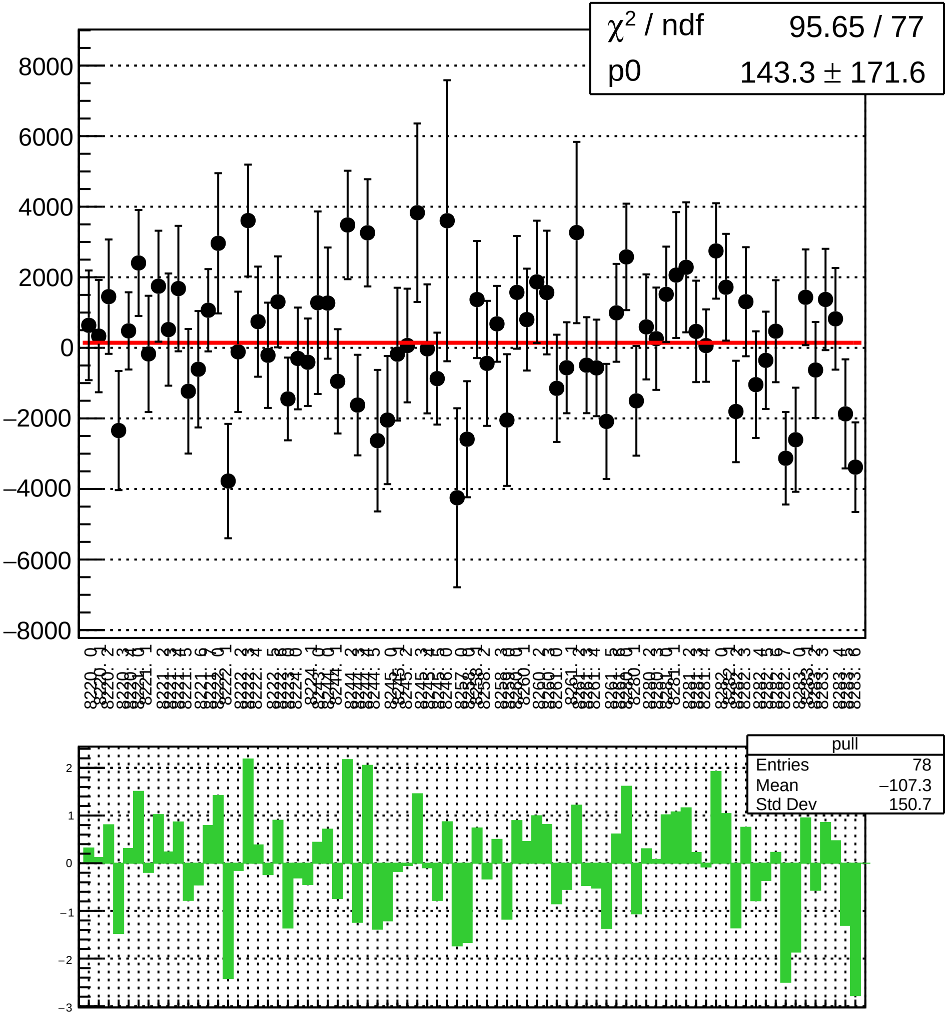
asym_sam_1357_avg_mean vs run

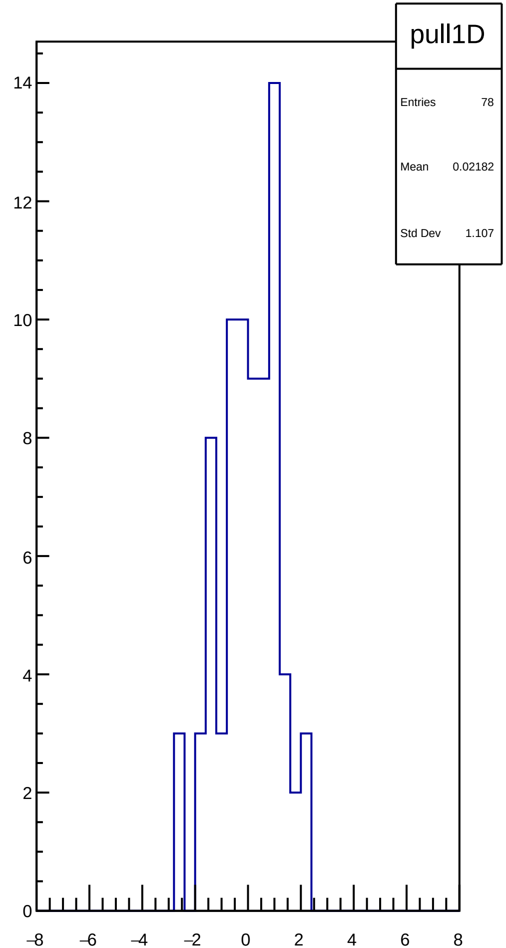


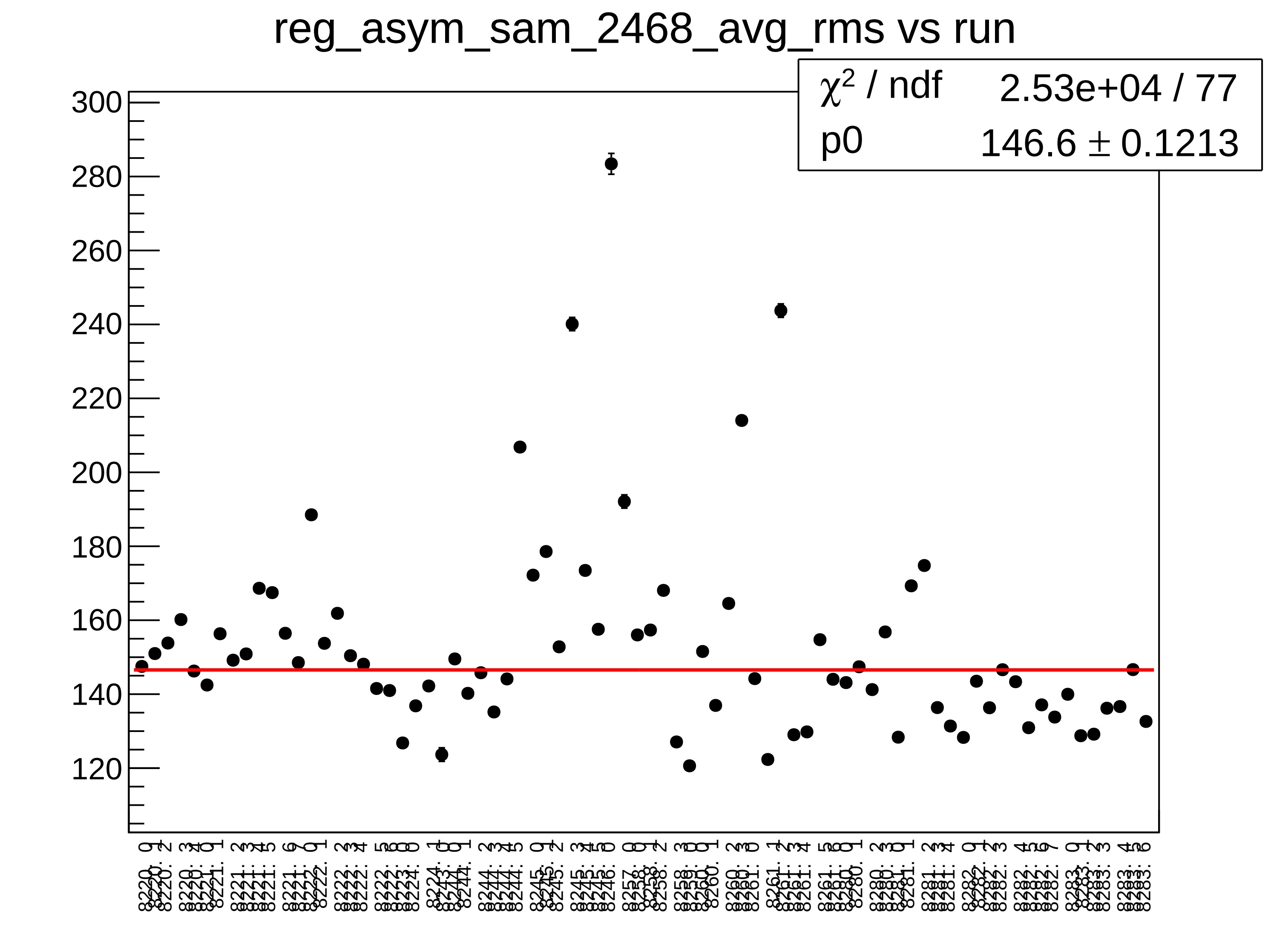


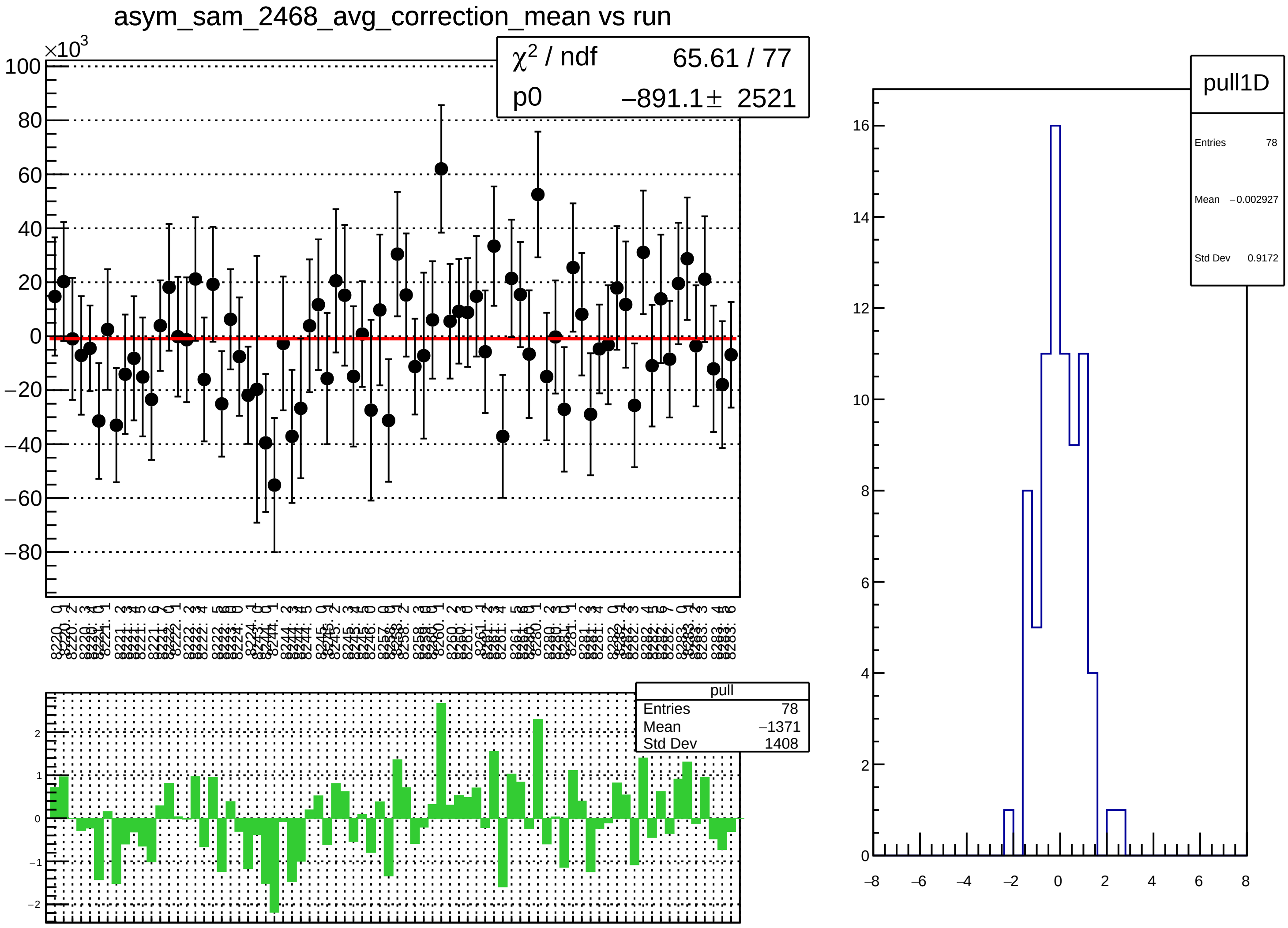

asym_sam_1357_avg_rms vs run
χ^2 / ndf 5651 / 77
p0 1073 ± 0.8824
1250
1200
1150
1100
1050
1000
950

reg_asym_sam_2468_avg_mean vs run

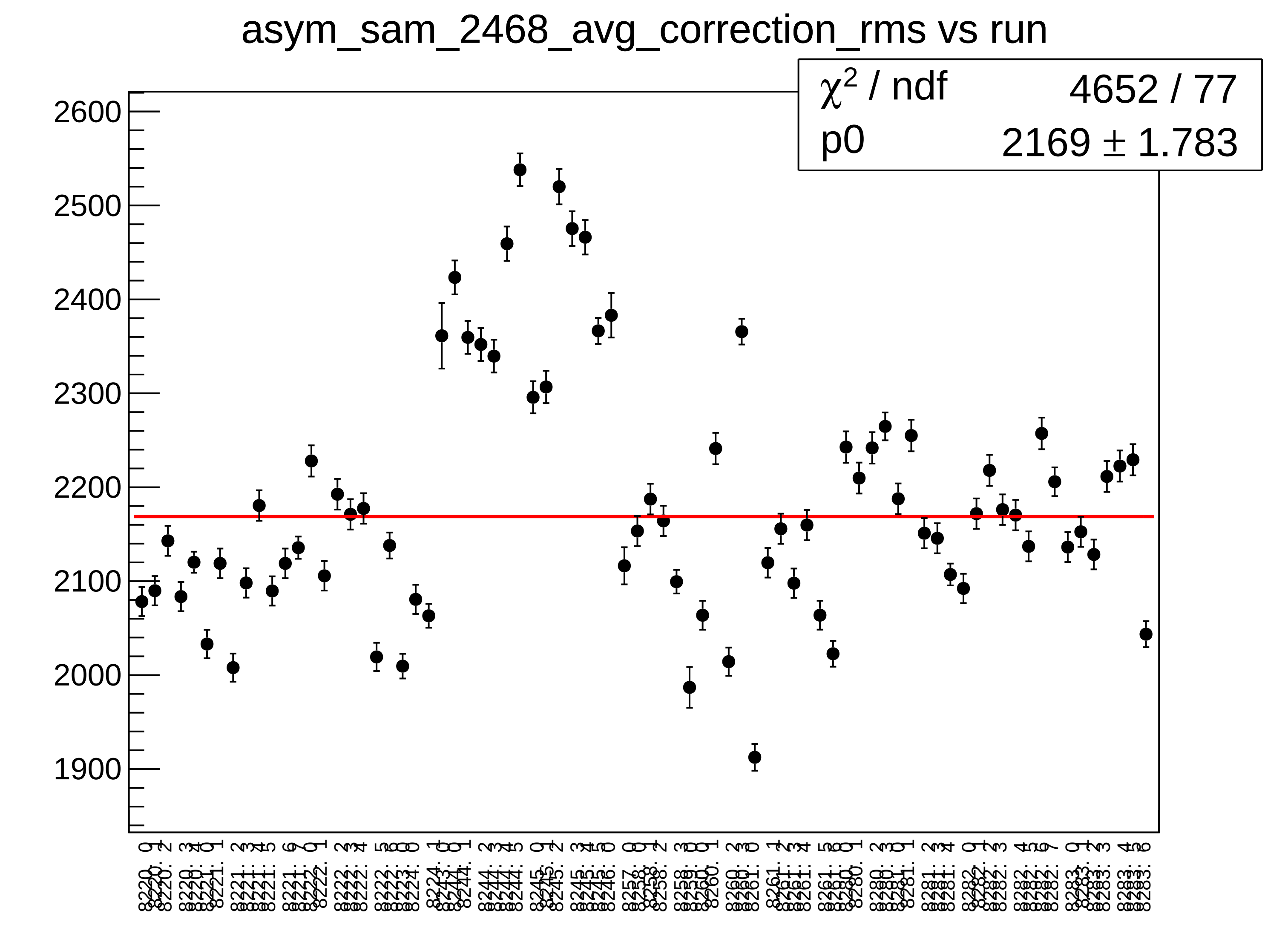




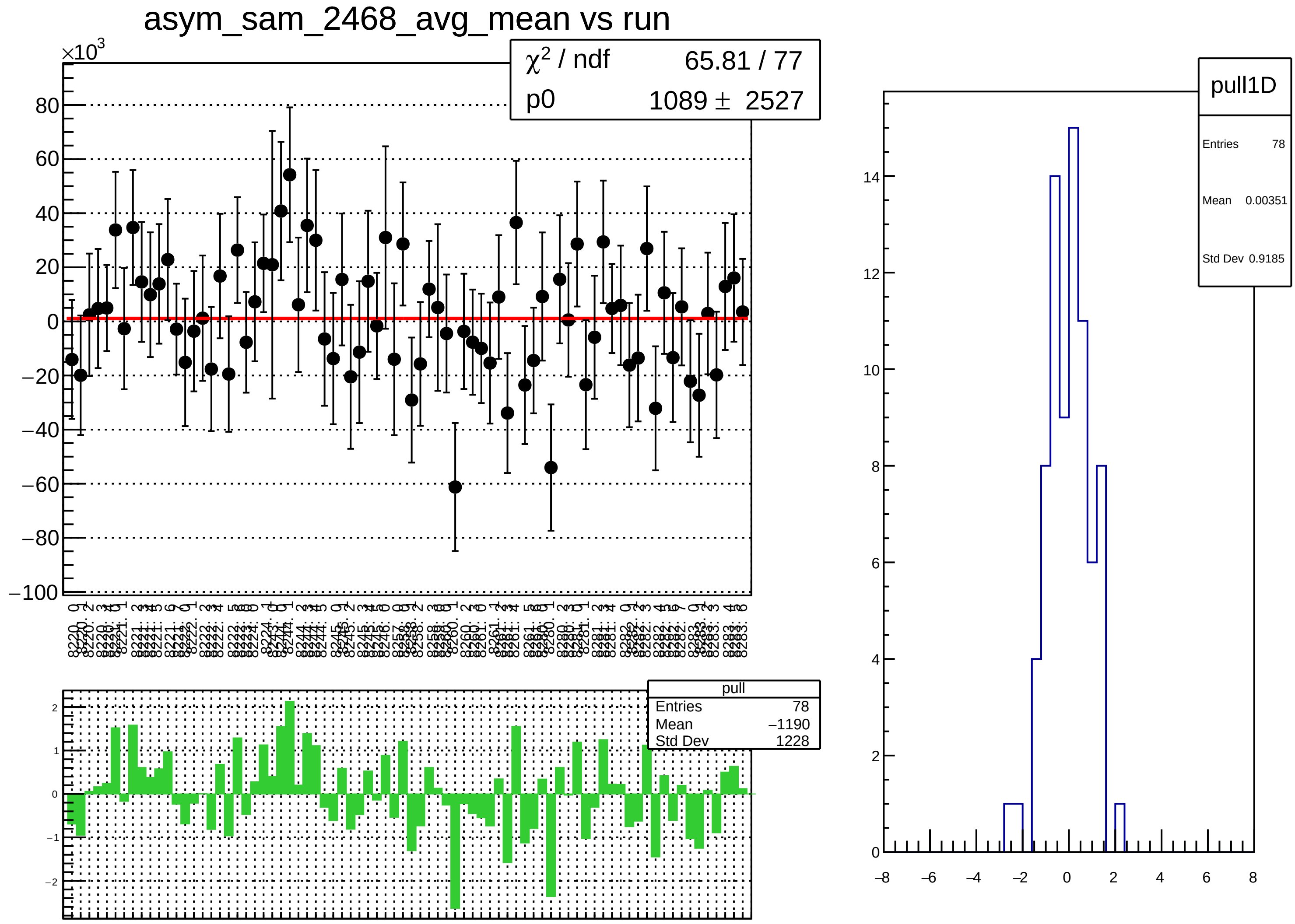

reg_asym_sam_2468_avg_rms vs run
χ2 / ndf 2.53e+04 / 77
p0 146.6 ± 0.1213
300
280
260
240
220
200
180
160
140
120

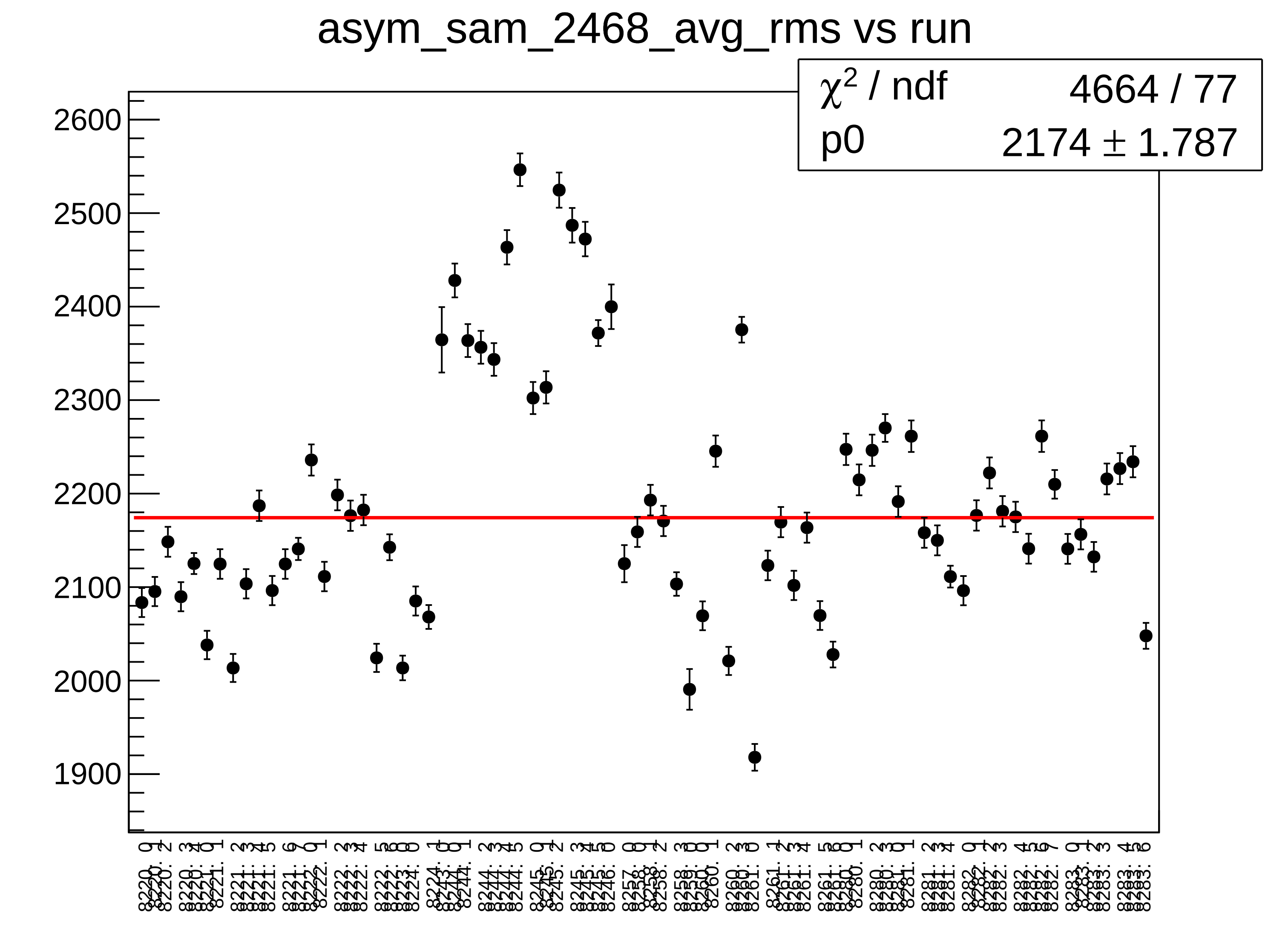


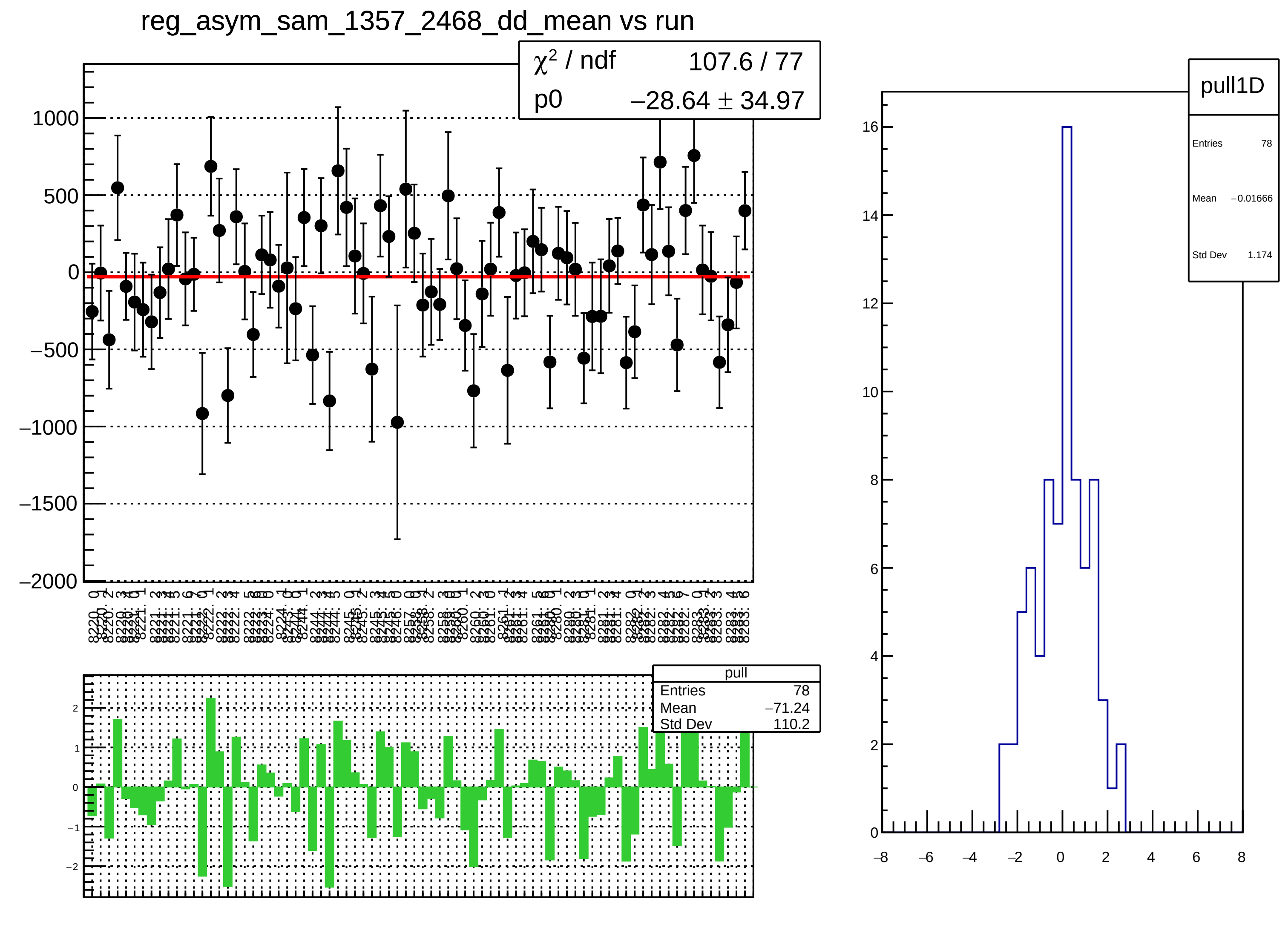
asym_sam_2468_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 65.61 / 77
p0 −891.1 ± 2521
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 78
Mean −1371
Std Dev 1408
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.002927
Std Dev 0.9172
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



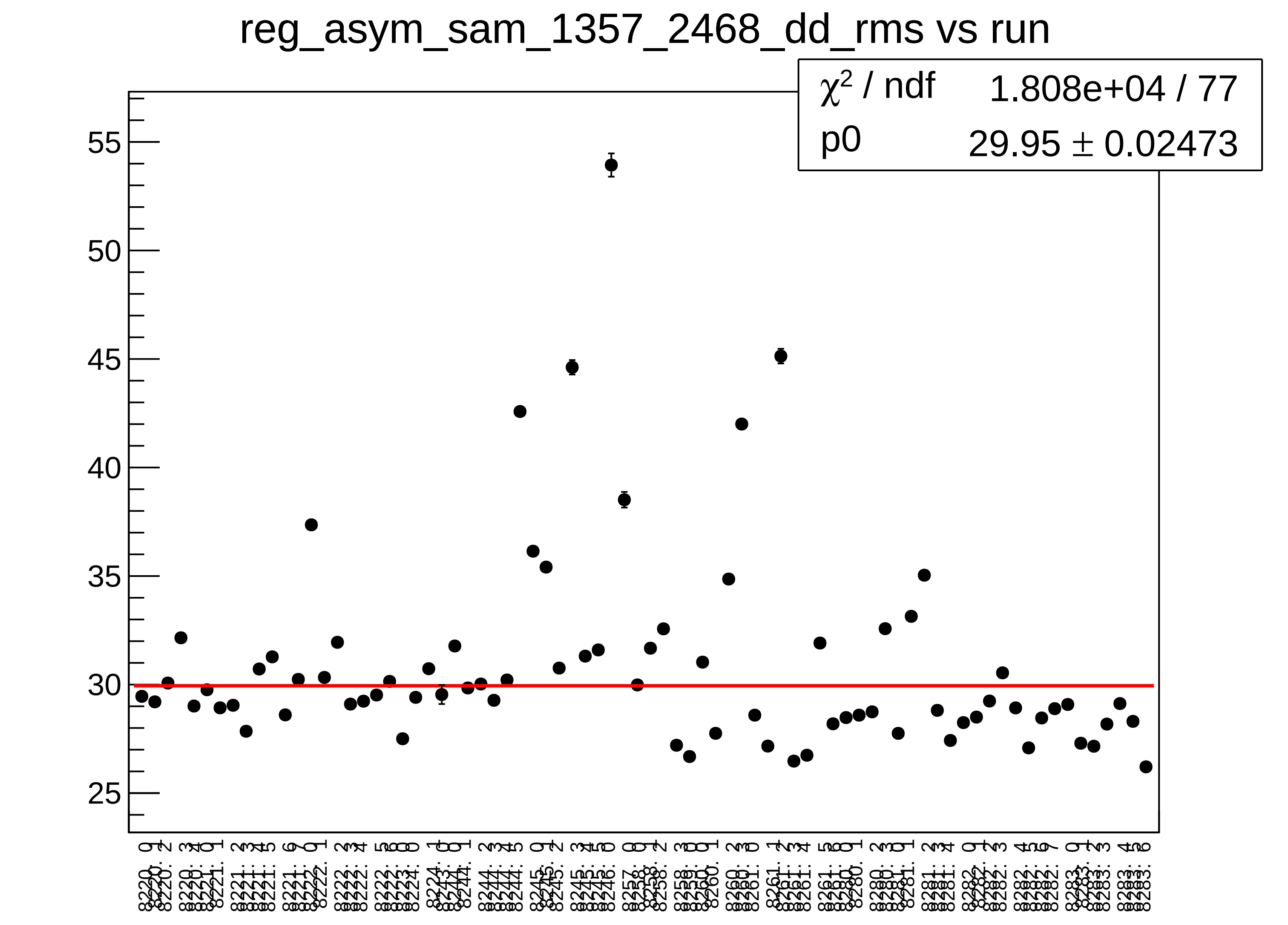
asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 4652 / 77
p0 2169 ± 1.783
2600
2500
2400
2300
2200
2100
2000
1900

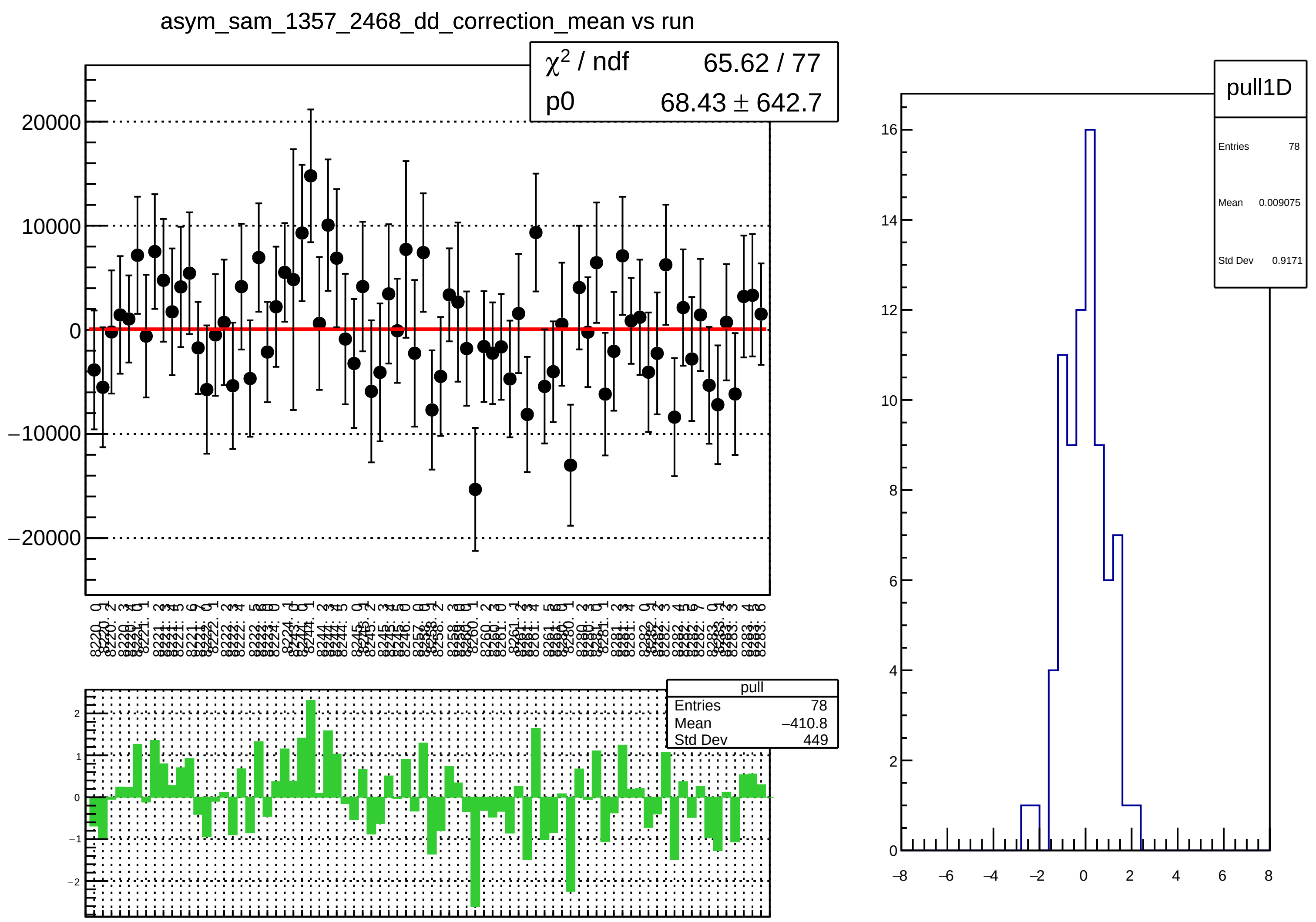

asym_sam_2468_avg_mean vs run
×10^3
χ2 / ndf 65.81 / 77
p0 1089 ± 2527
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 78
Mean −1190
Std Dev 1228
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.00351
Std Dev 0.9185
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_rms vs run
χ^2 / ndf 4664 / 77
p0 2174 ± 1.787
2600
2500
2400
2300
2200
2100
2000
1900

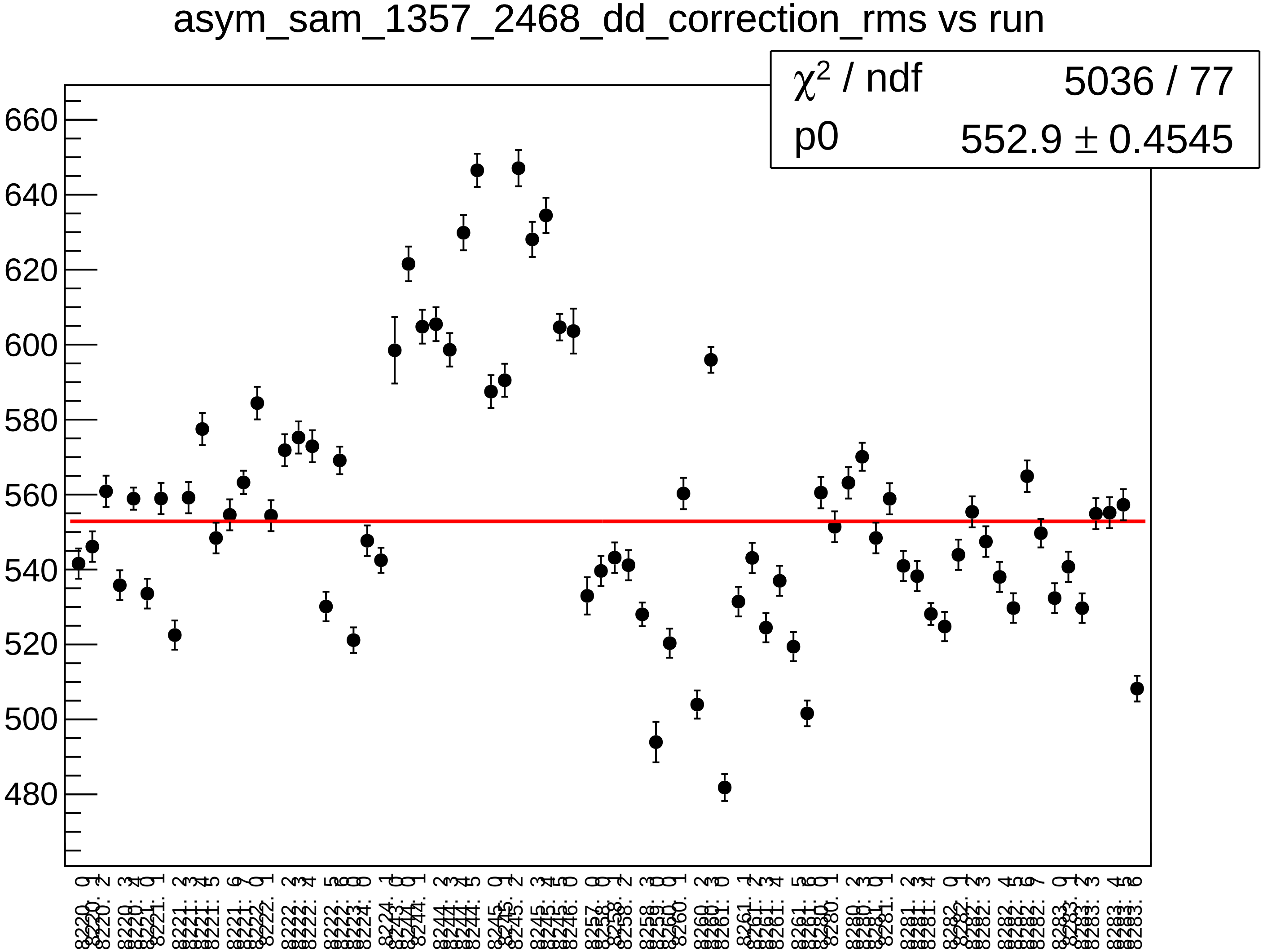


reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 107.6 / 77
p0 −28.64 ± 34.97
pull
Entries 78
Mean −71.24
Std Dev 110.2
pull1D
Entries 78
Mean −0.01666
Std Dev 1.174

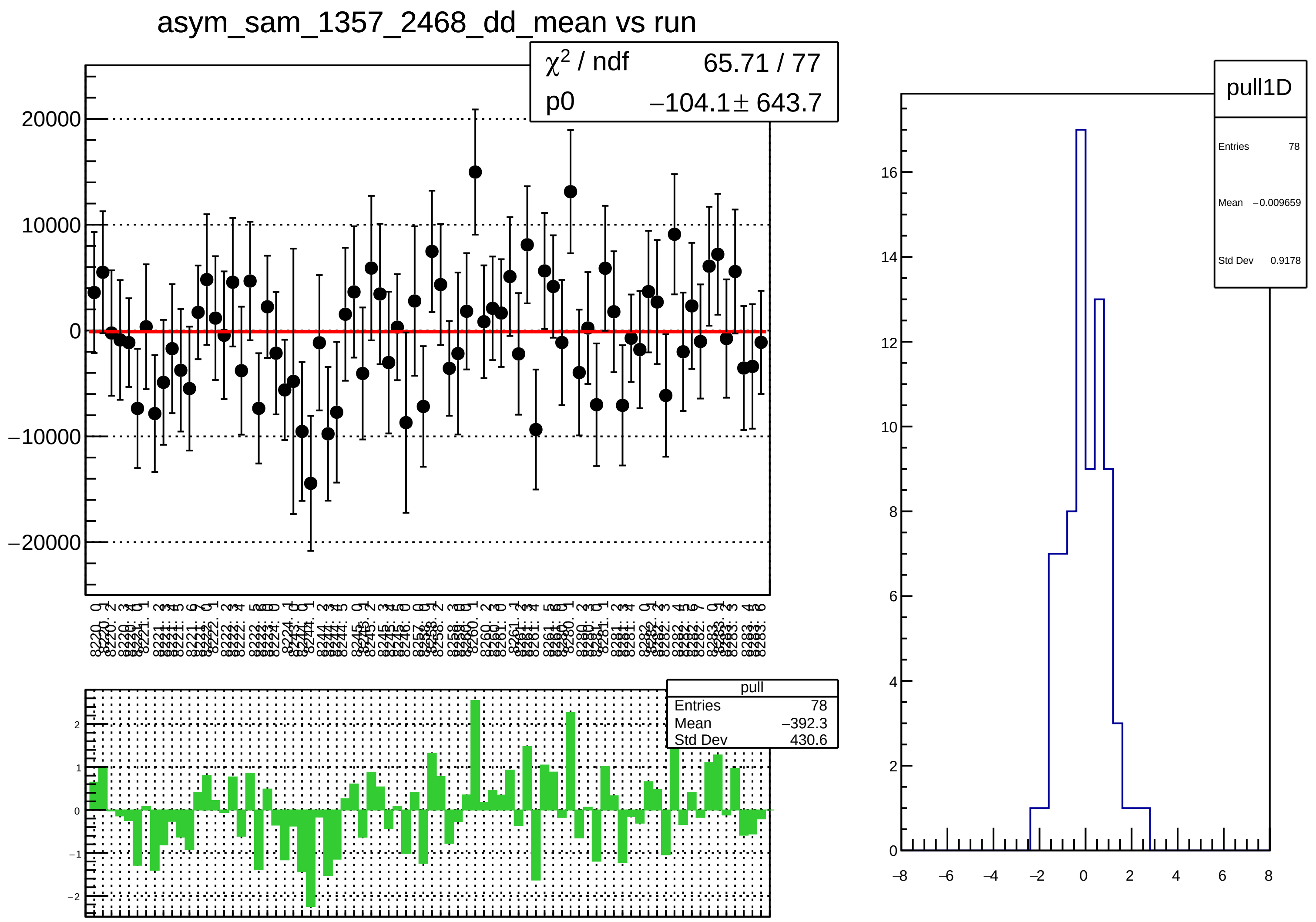

reg_asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 1.808e+04 / 77
p0 29.95 ± 0.02473
55
50
45
40
35
30
25

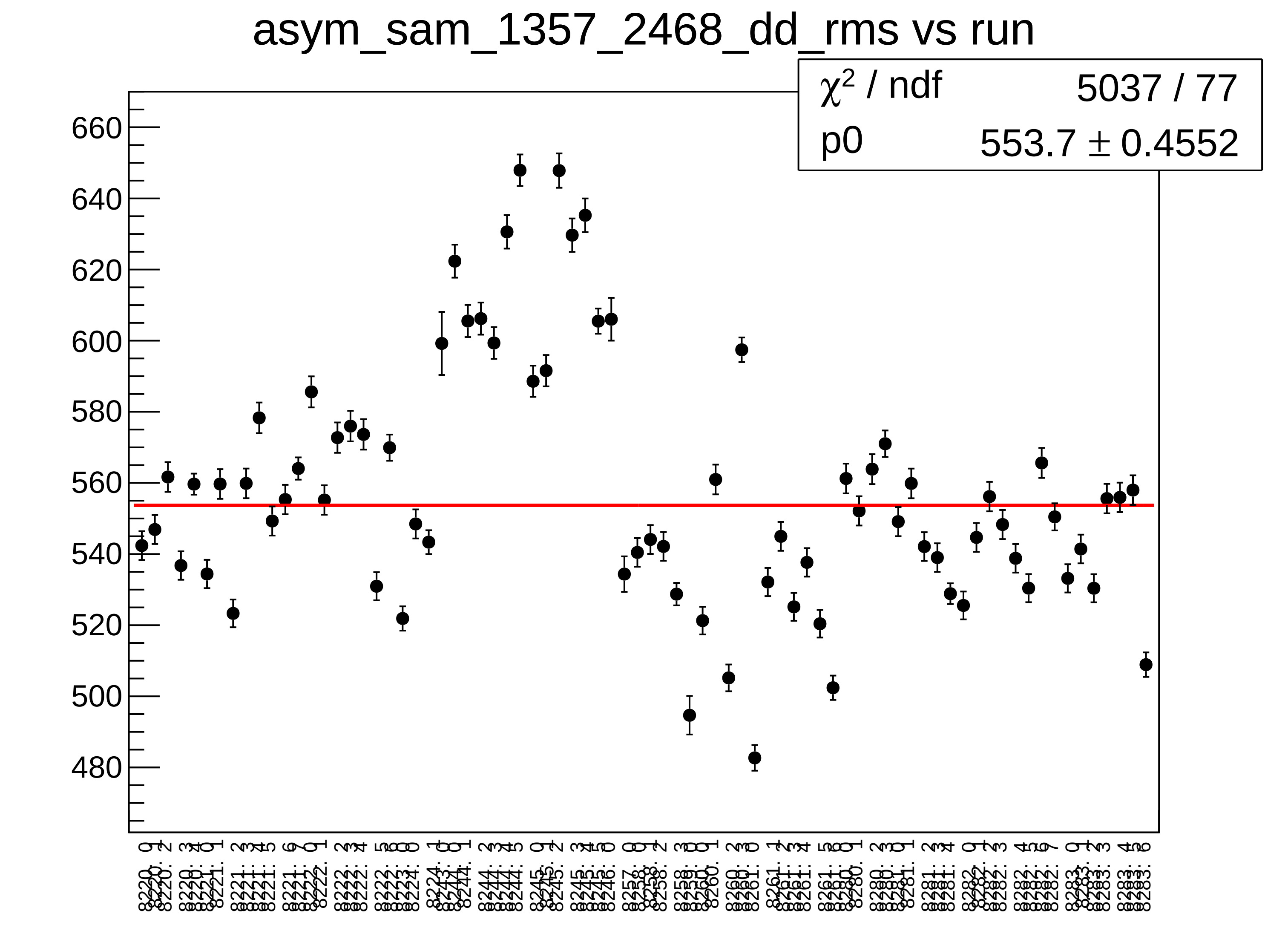


asym_sam_1357_2468_dd_correction_mean vs run
χ^2 / ndf 65.62 / 77
p0 68.43 ± 642.7
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −410.8
Std Dev 449
pull1D
Entries 78
Mean 0.009075
Std Dev 0.9171

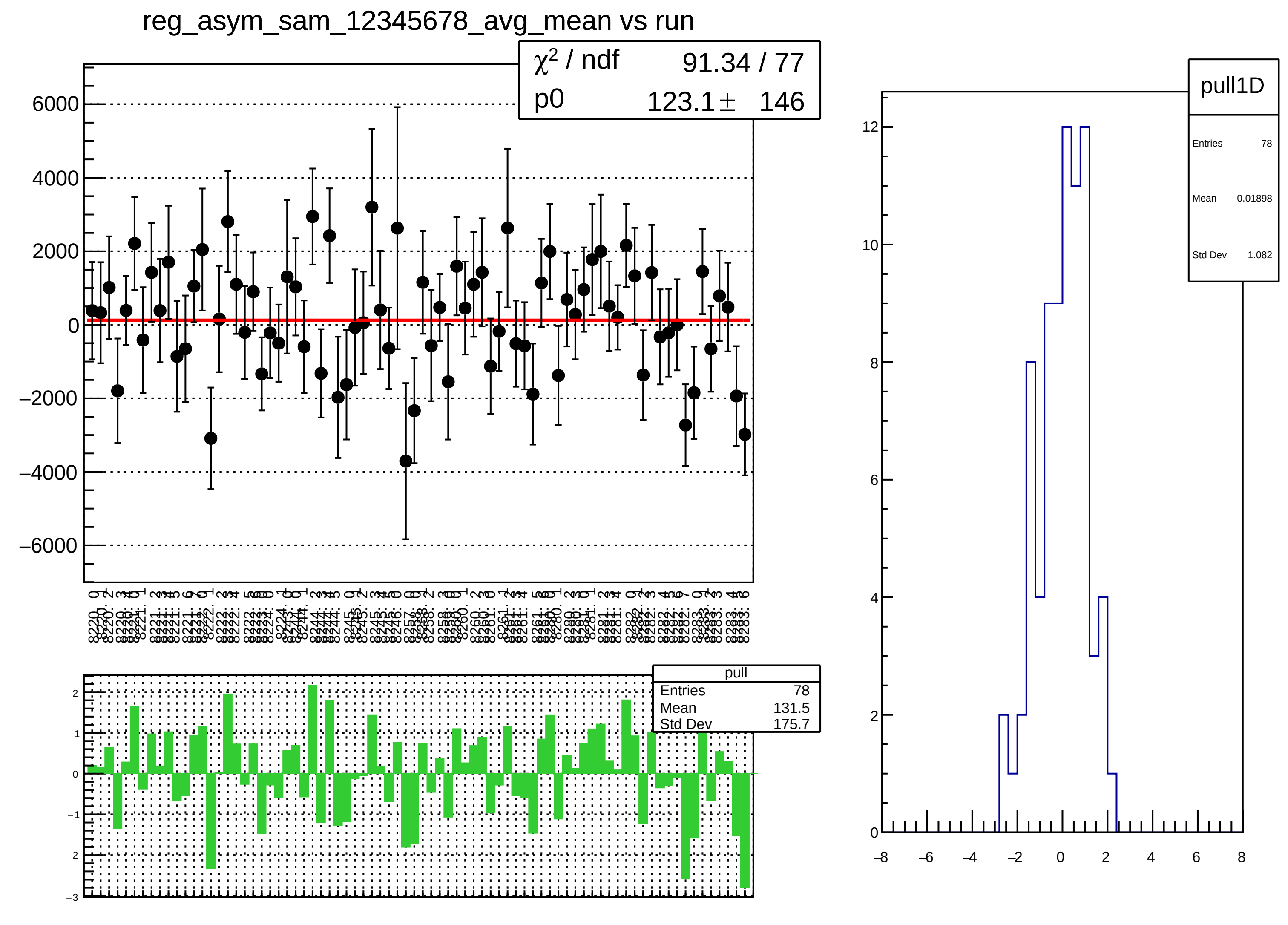


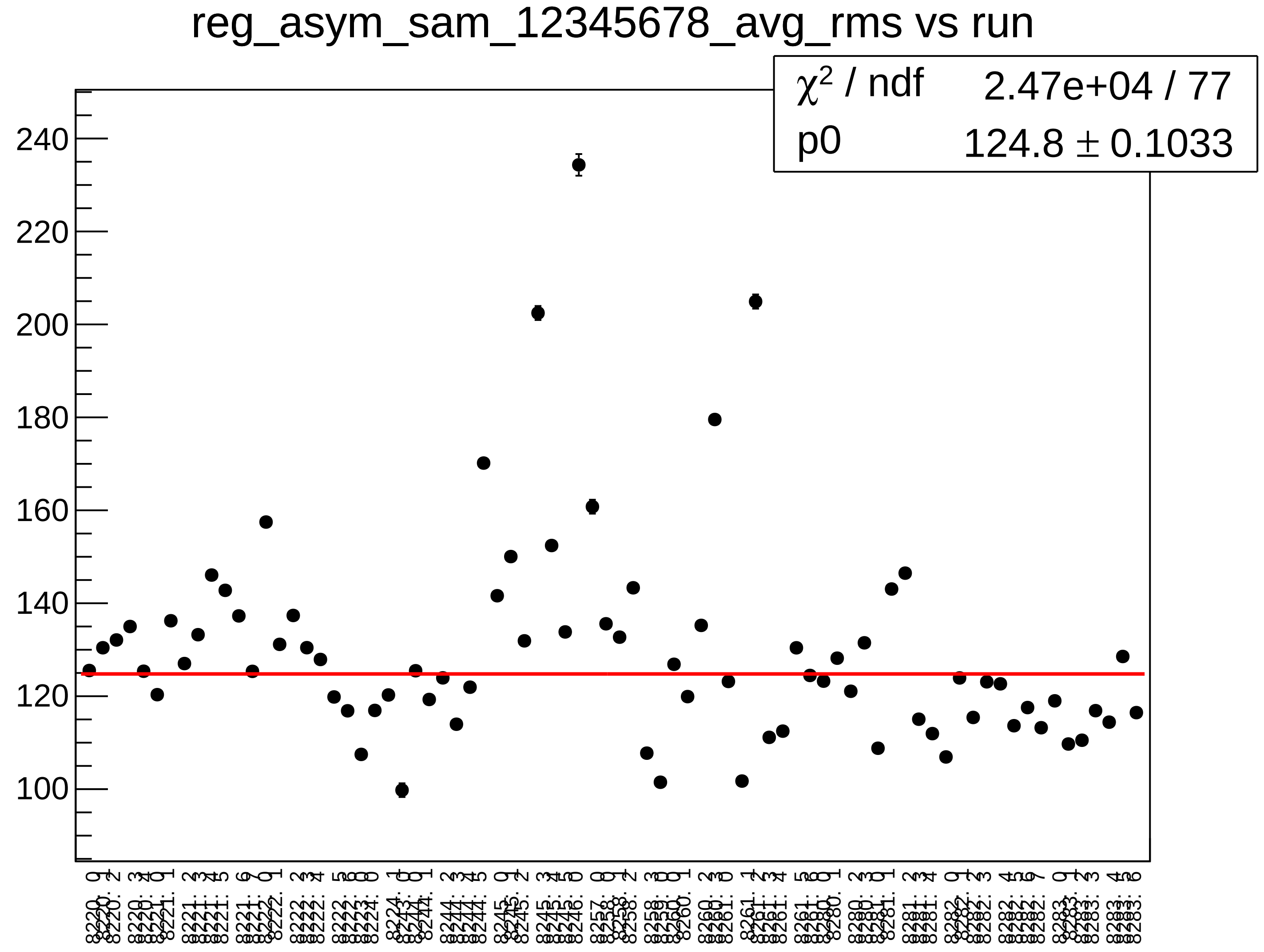
asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 5036 / 77
p0 552.9 ± 0.4545
660
640
620
600
580
560
540
520
500
480

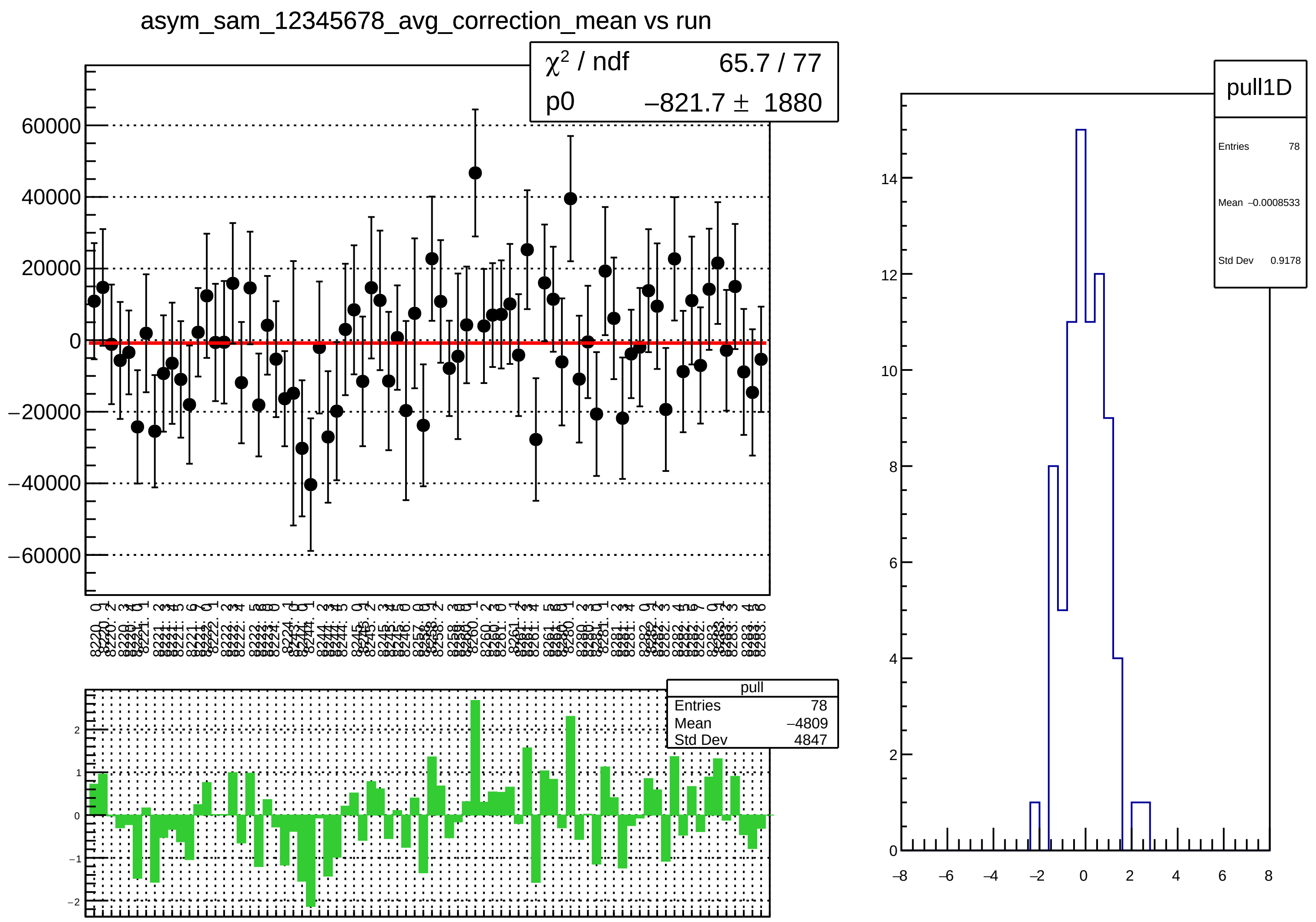

asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 65.71 / 77
p0 −104.1 ± 643.7
pull
Entries 78
Mean −392.3
Std Dev 430.6
pull1D
Entries 78
Mean −0.009659
Std Dev 0.9178



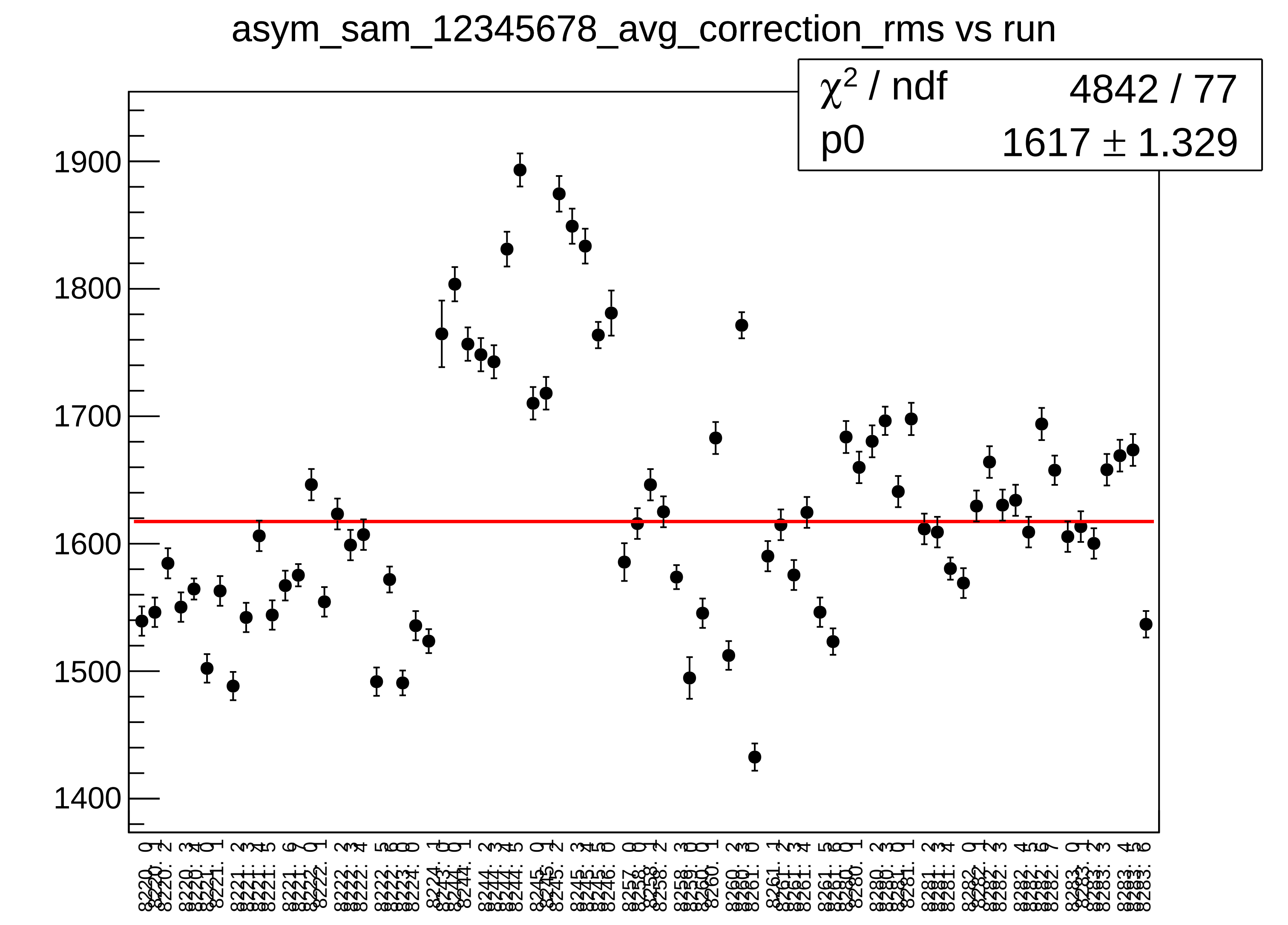
asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 5037 / 77
p0 553.7 ± 0.4552
660
640
620
600
580
560
540
520
500
480

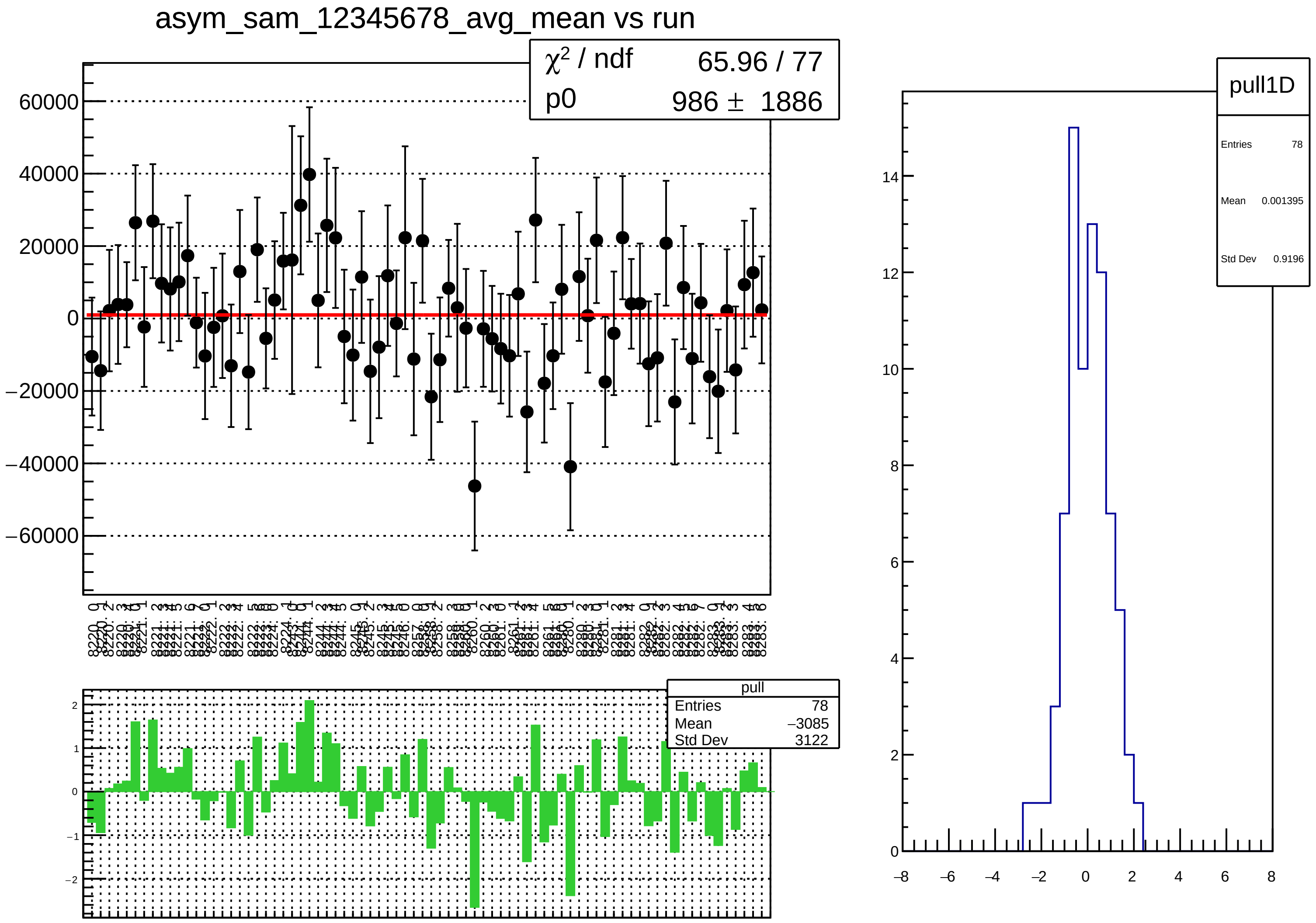

reg_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 91.34 / 77
p0 123.1 ± 146
pull
Entries 78
Mean −131.5
Std Dev 175.7
pull1D
Entries 78
Mean 0.01898
Std Dev 1.082


reg_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 2.47e+04 / 77
p0 124.8 ± 0.1033
240
220
200
180
160
140
120
100

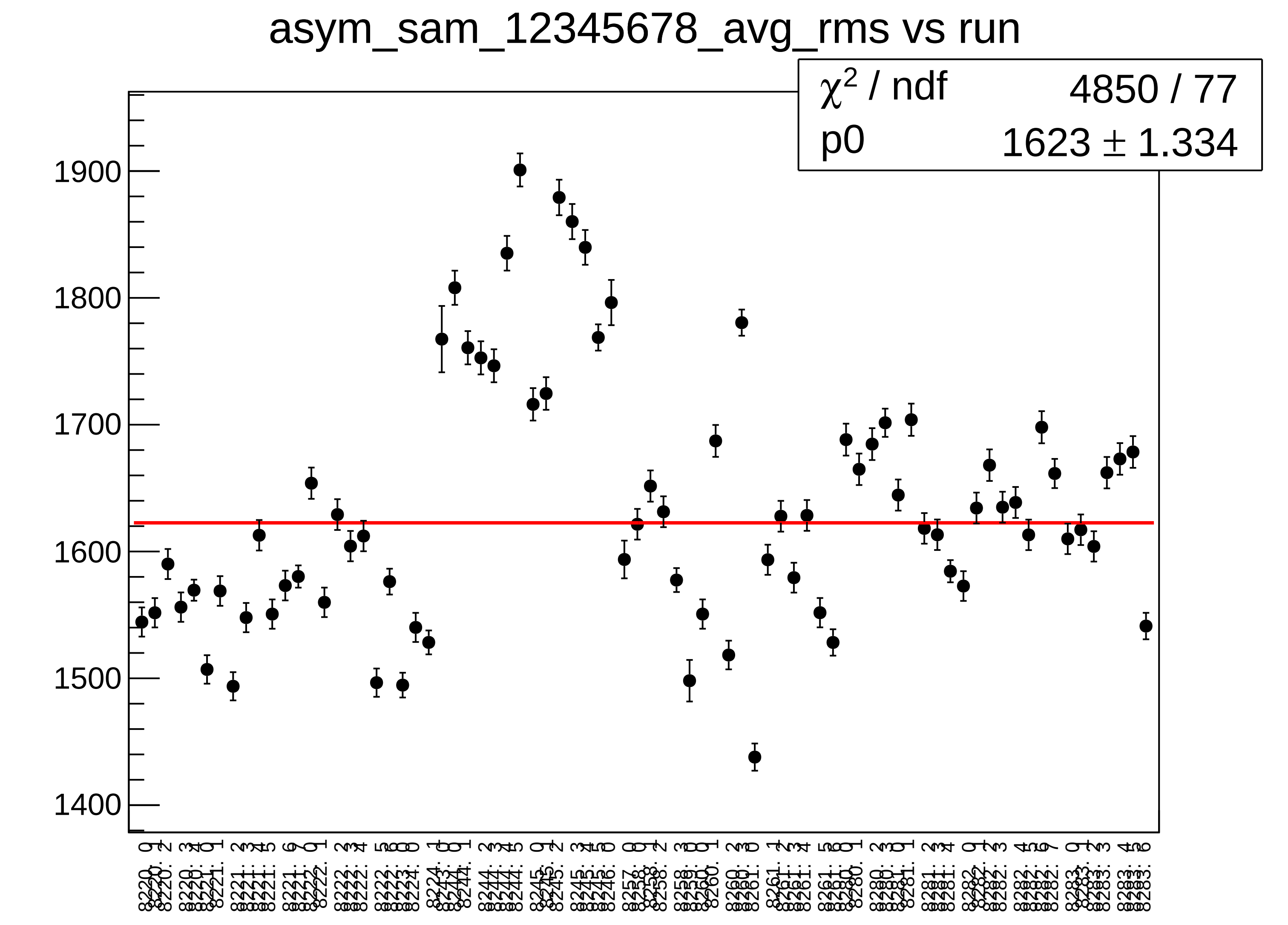


asym_sam_12345678_avg_correction_mean vs run
χ^2 / ndf 65.7 / 77
p0 −821.7 ± 1880
pull
Entries 78
Mean −4809
Std Dev 4847
pull1D
Entries 78
Mean −0.0008533
Std Dev 0.9178

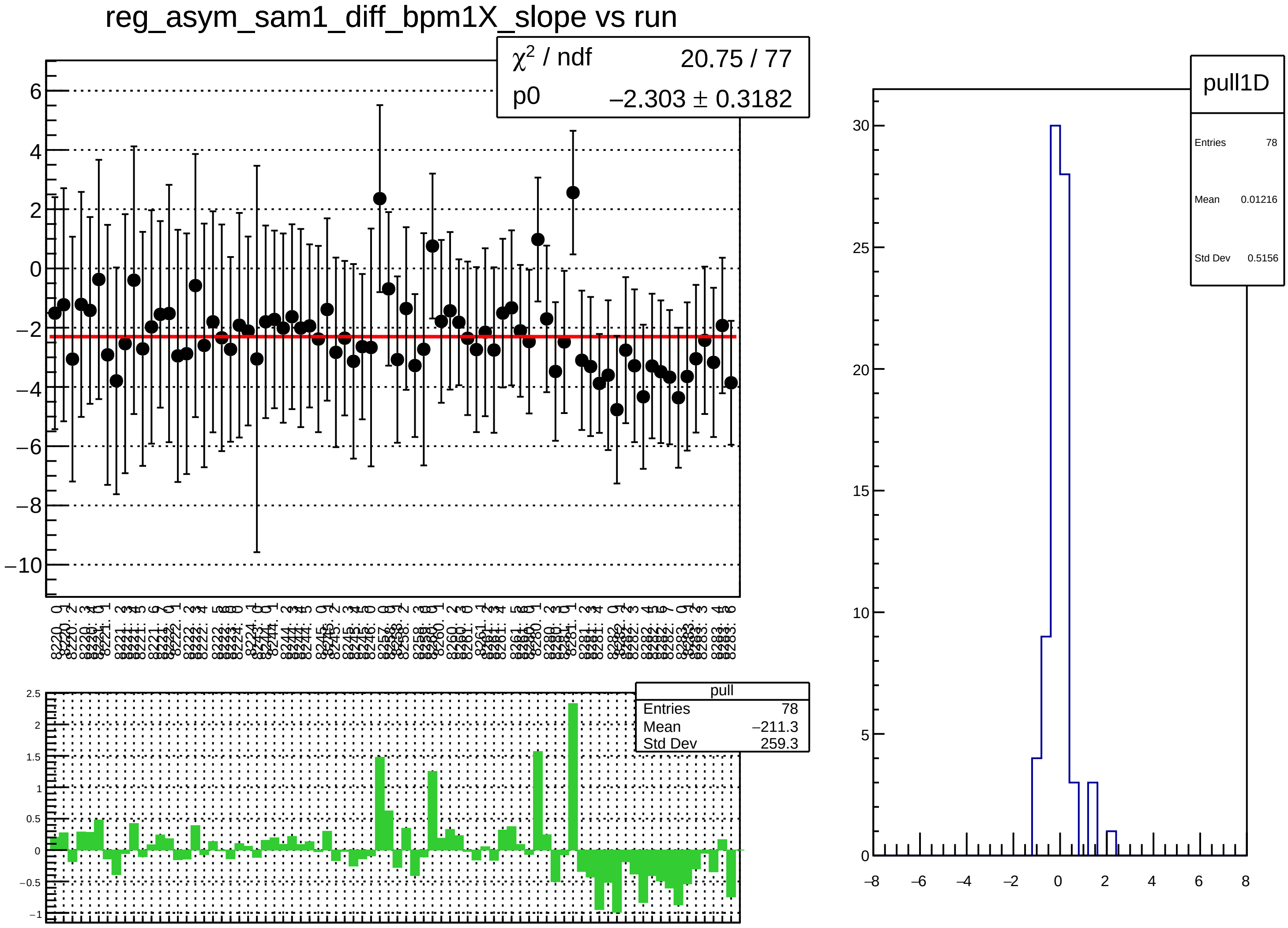

asym_sam_12345678_avg_correction_rms vs run
χ2 / ndf 4842 / 77
p0 1617 ± 1.329
1900
1800
1700
1600
1500
1400



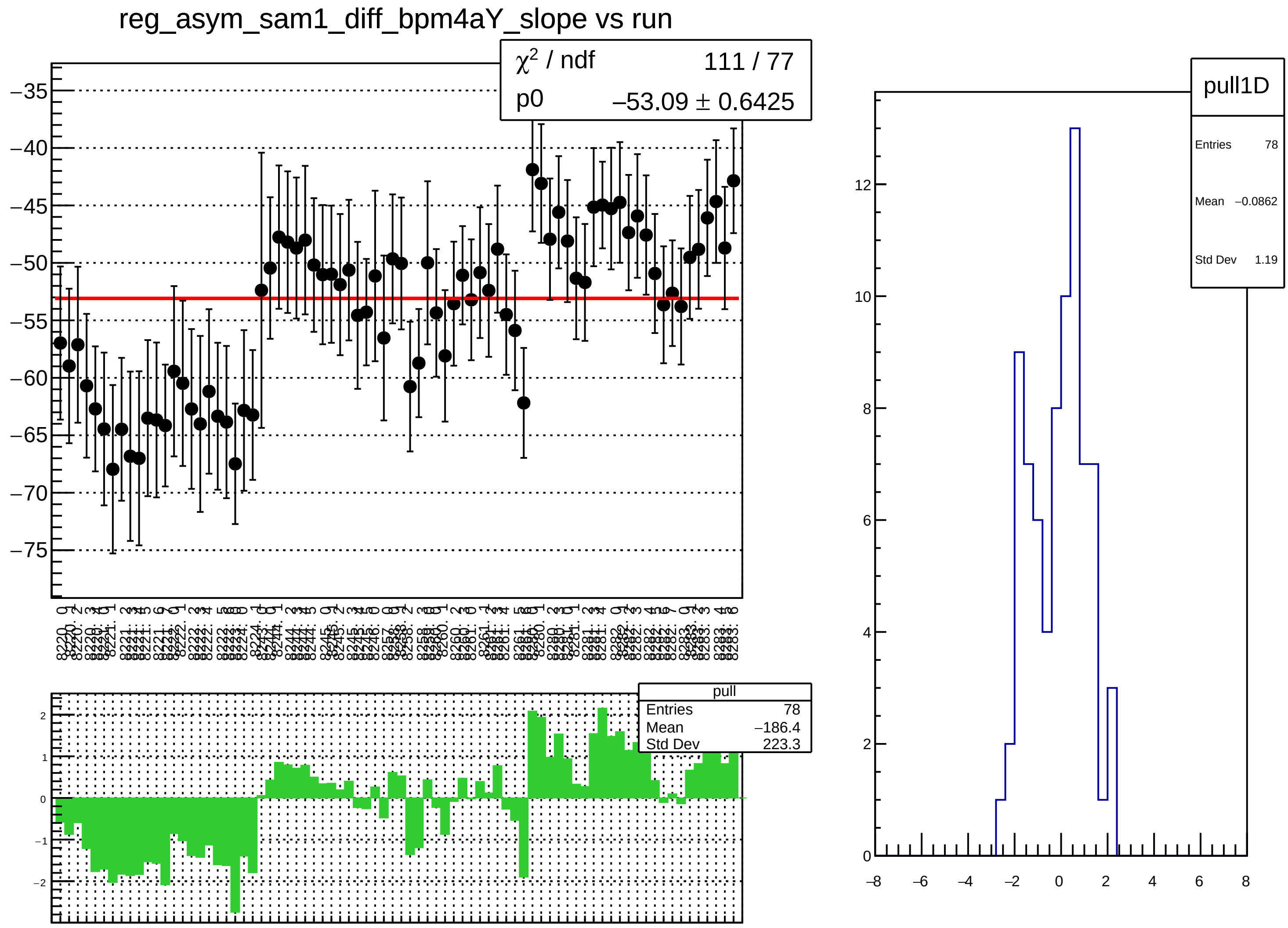
asym_sam_12345678_avg_mean vs run
χ^2 / ndf 65.96 / 77
p0 986 ± 1886
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −3085
Std Dev 3122
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.001395
Std Dev 0.9196
14
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8



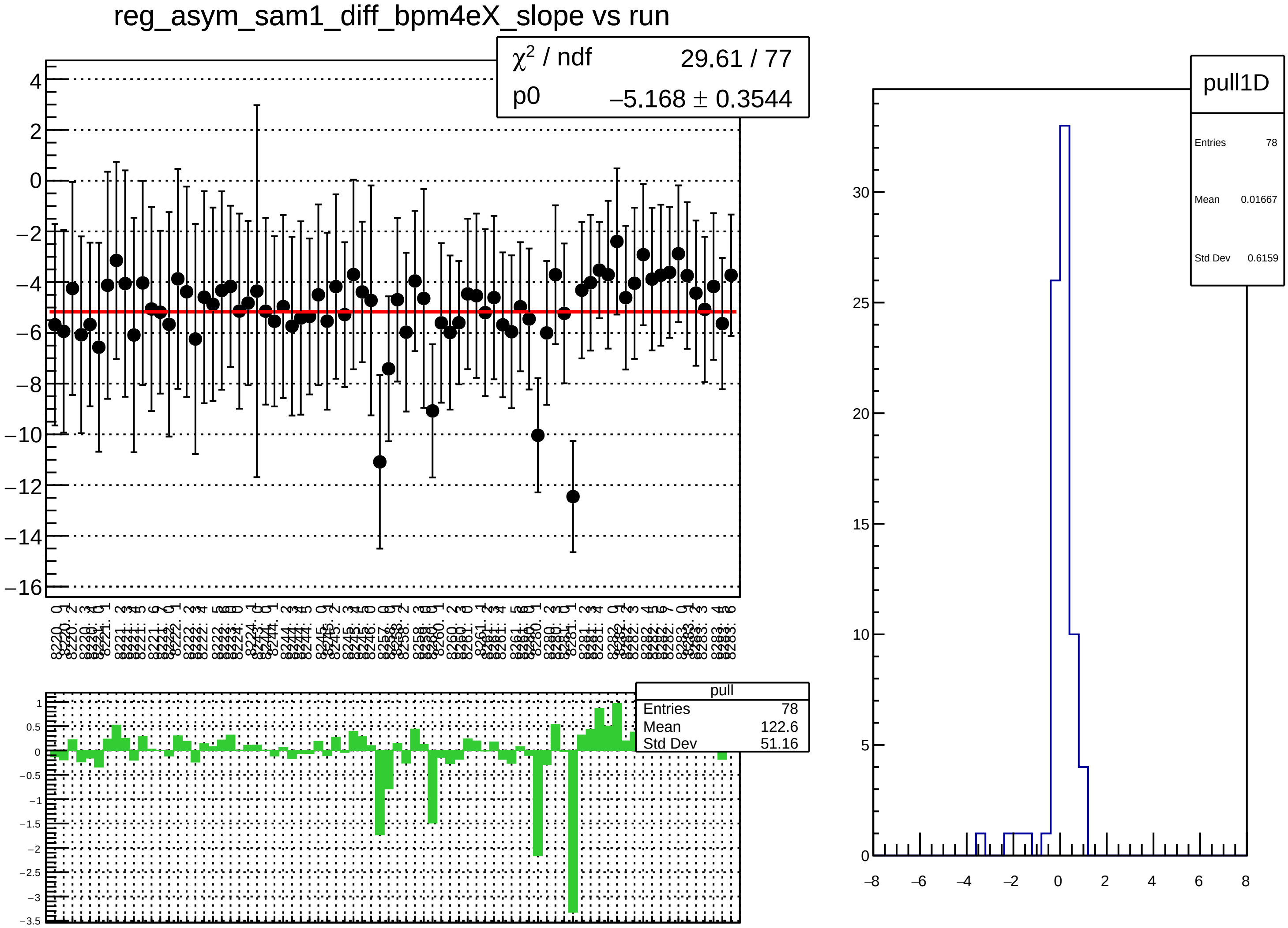
asym_sam_12345678_avg_rms vs run
χ^2 / ndf 4850 / 77
p0 1623 ± 1.334
1900
1800
1700
1600
1500
1400

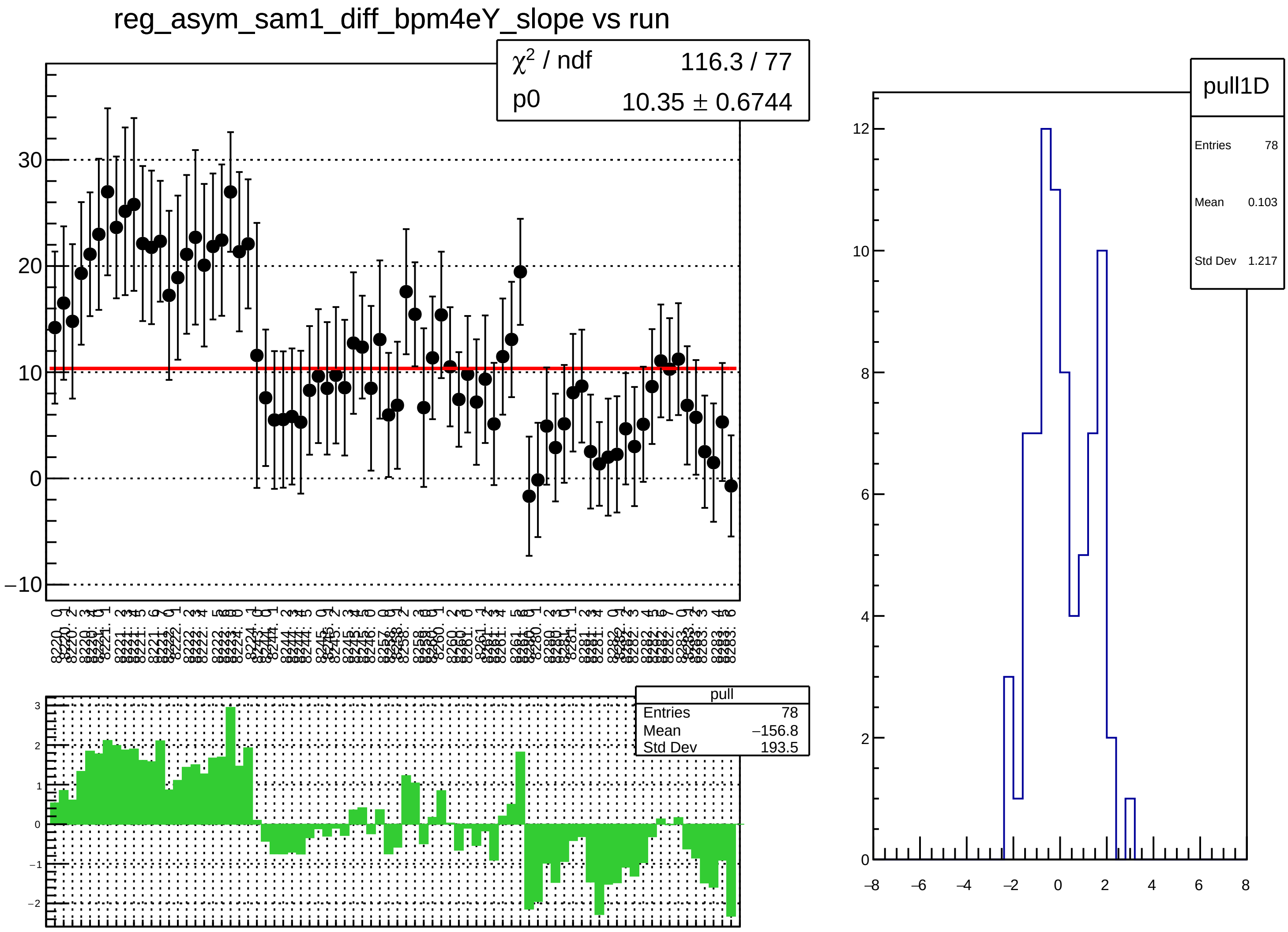


reg_asym_sam1_diff_bpm1X_slope vs run
χ2 / ndf 20.75 / 77
p0 −2.303 ± 0.3182
pull
Entries 78
Mean −211.3
Std Dev 259.3
pull1D
Entries 78
Mean 0.01216
Std Dev 0.5156

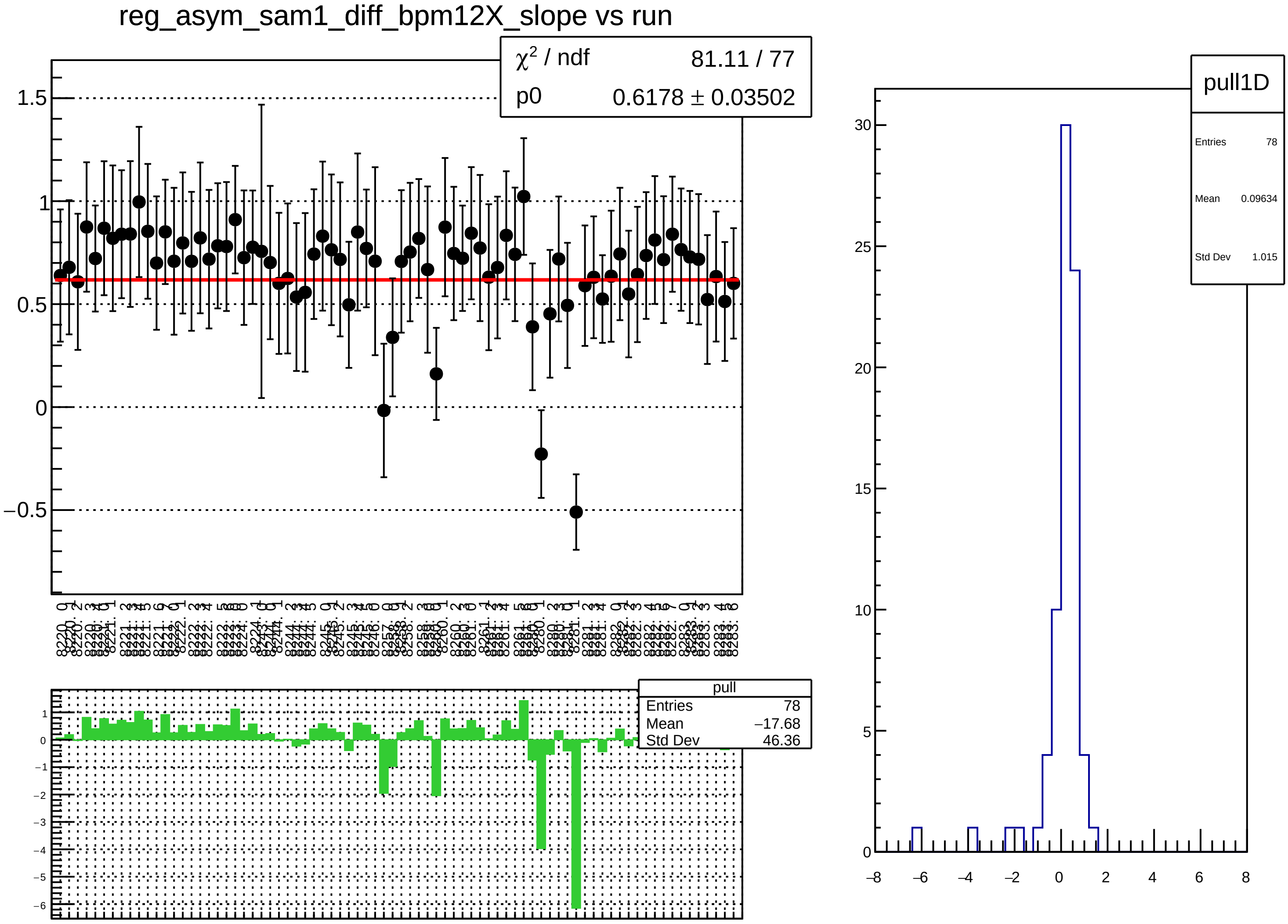


reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 111 / 77
p0 −53.09 ± 0.6425
pull
Entries 78
Mean −186.4
Std Dev 223.3
pull1D
Entries 78
Mean −0.0862
Std Dev 1.19

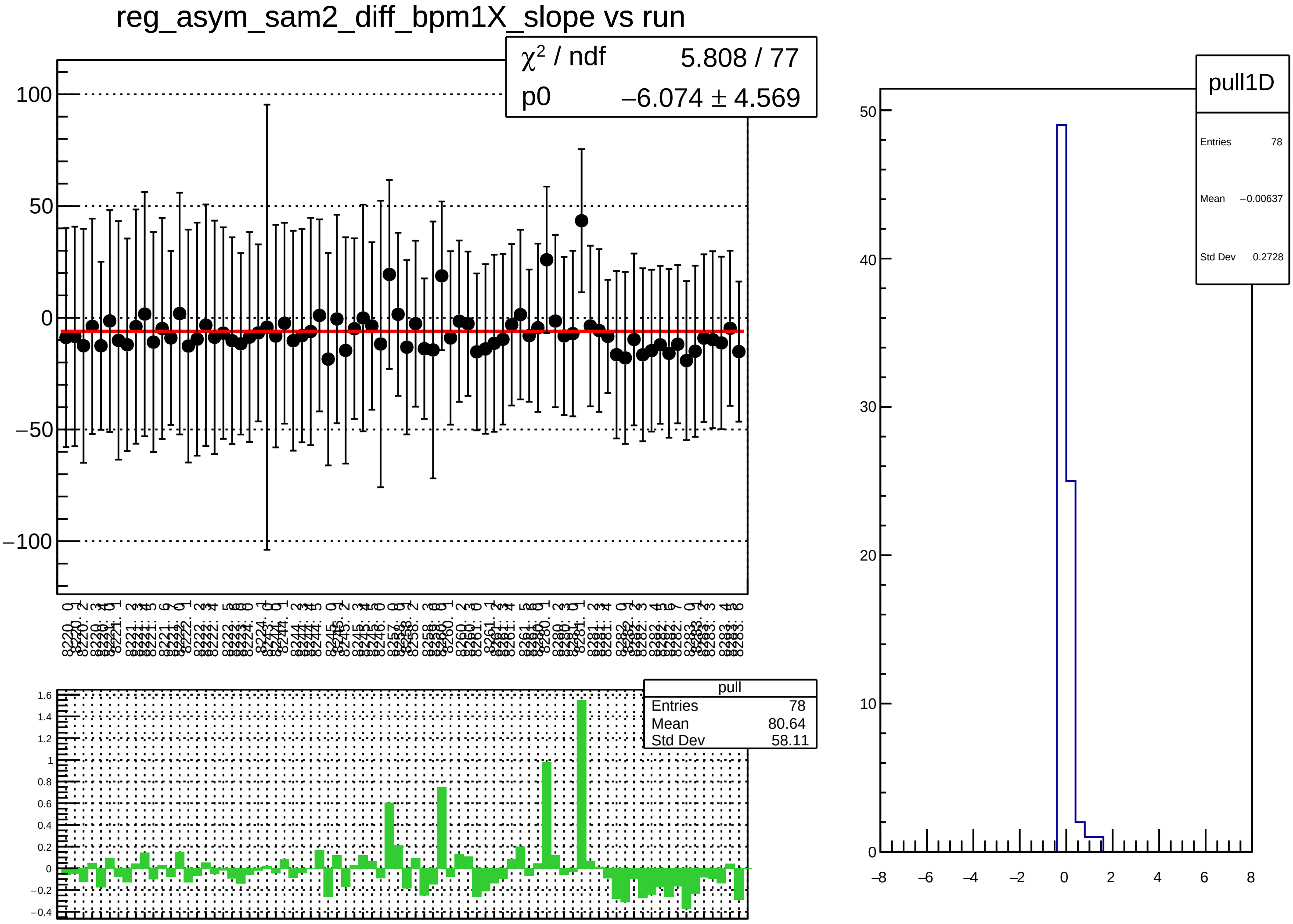

reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 29.61 / 77
p0 −5.168 ± 0.3544
pull
Entries 78
Mean 122.6
Std Dev 51.16
pull1D
Entries 78
Mean 0.01667
Std Dev 0.6159



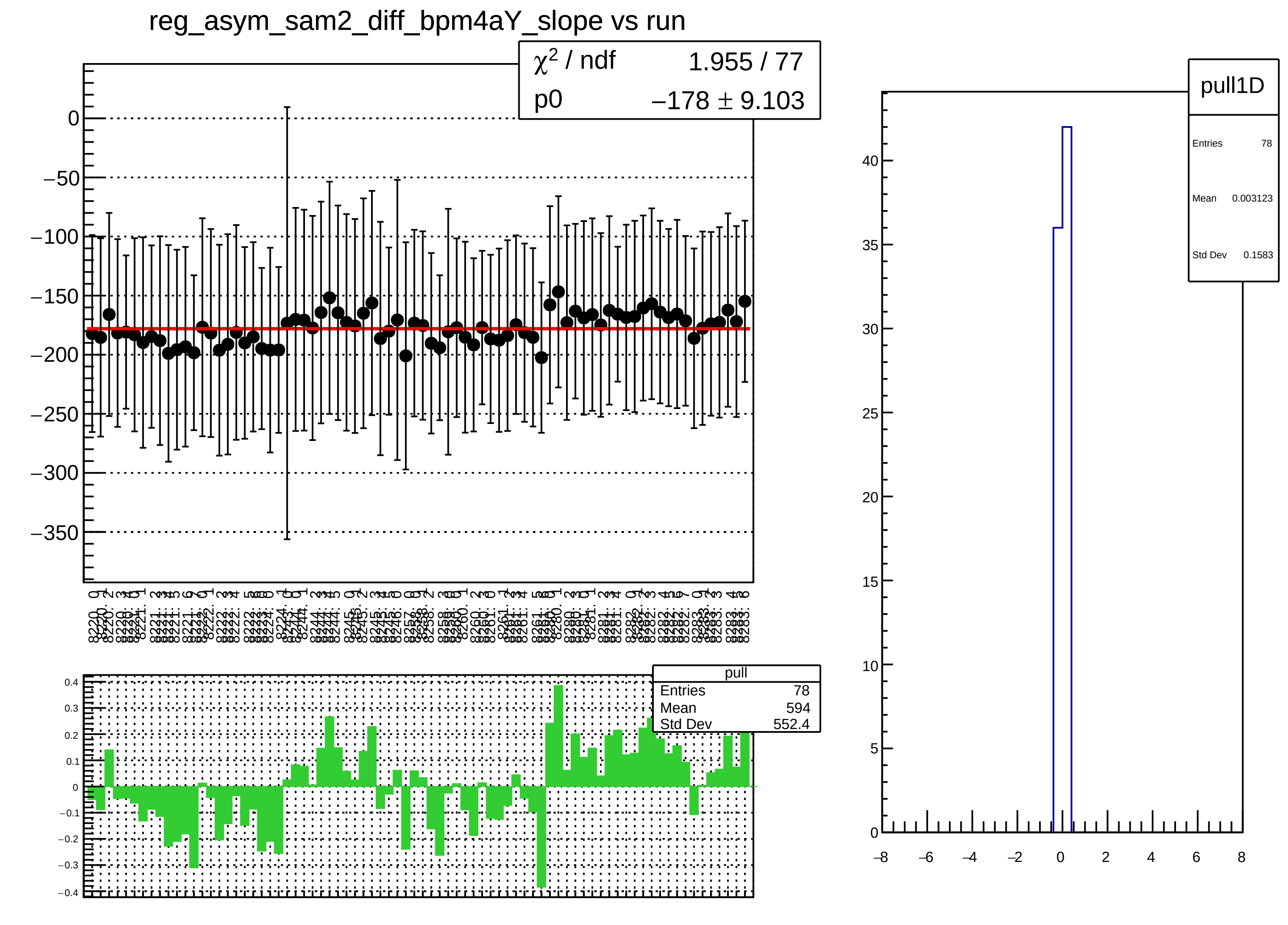
reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 116.3 / 77
p0 10.35 ± 0.6744
pull
Entries 78
Mean −156.8
Std Dev 193.5
pull1D
Entries 78
Mean 0.103
Std Dev 1.217

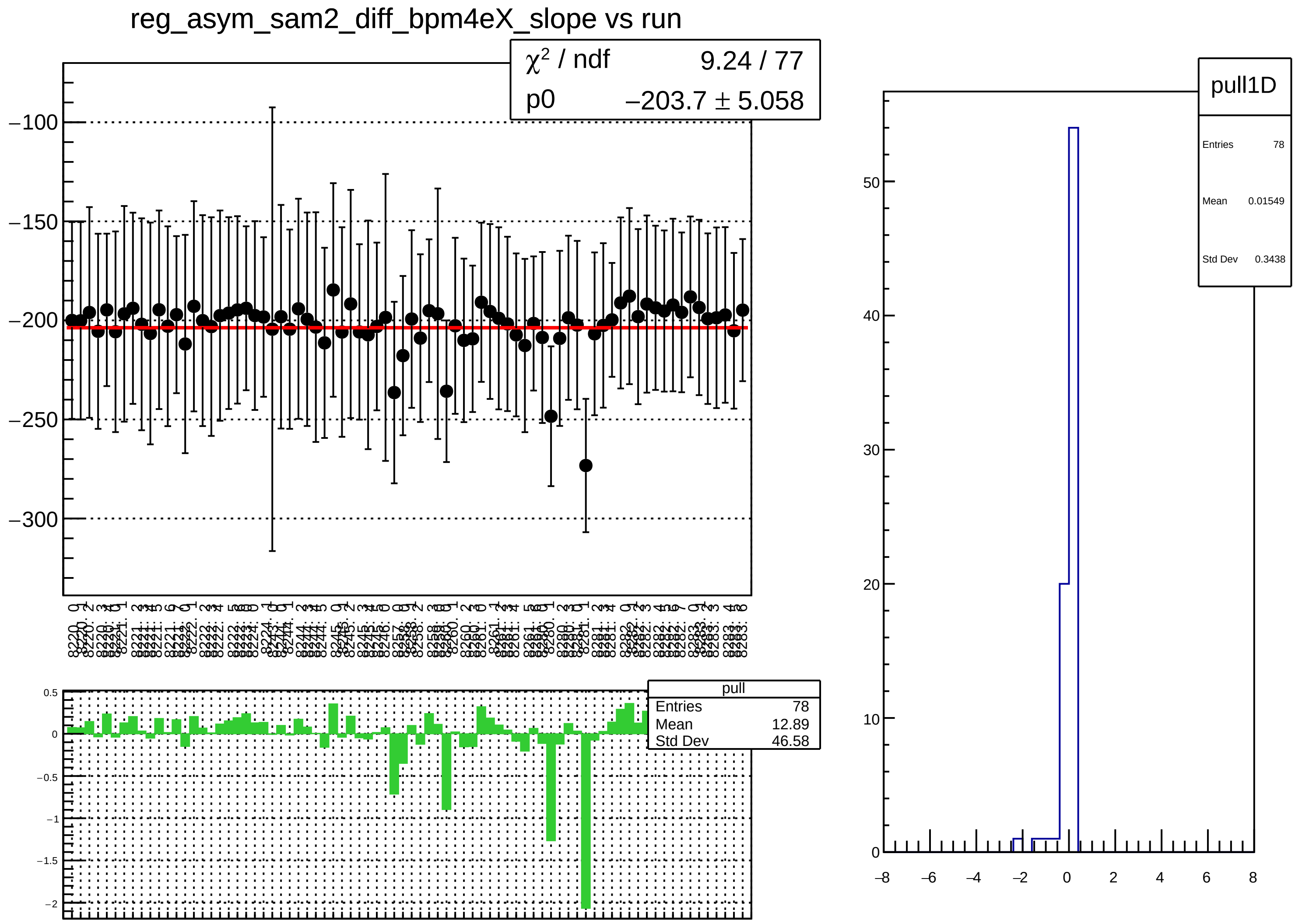


reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 81.11 / 77
p0 0.6178 ± 0.03502
pull
Entries 78
Mean −17.68
Std Dev 46.36
pull1D
Entries 78
Mean 0.09634
Std Dev 1.015

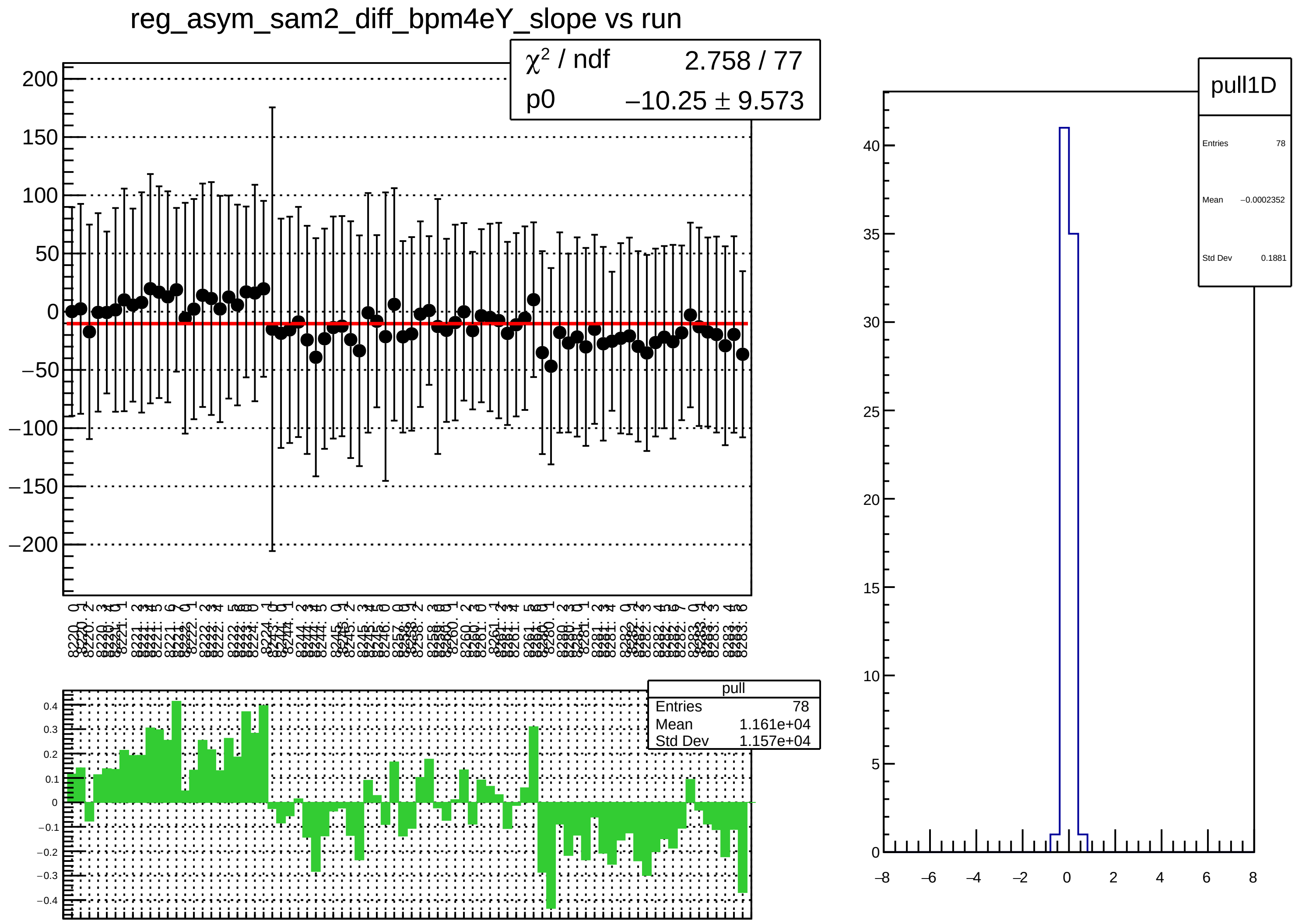


reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 5.808 / 77
p0 −6.074 ± 4.569
100
50
0
−50
−100
pull
Entries 78
Mean 80.64
Std Dev 58.11
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 78
Mean −0.00637
Std Dev 0.2728
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam2_diff_bpm4aY_slope vs run
χ2 / ndf 1.955 / 77
p0 −178 ± 9.103
pull
Entries 78
Mean 594
Std Dev 552.4
pull1D
Entries 78
Mean 0.003123
Std Dev 0.1583

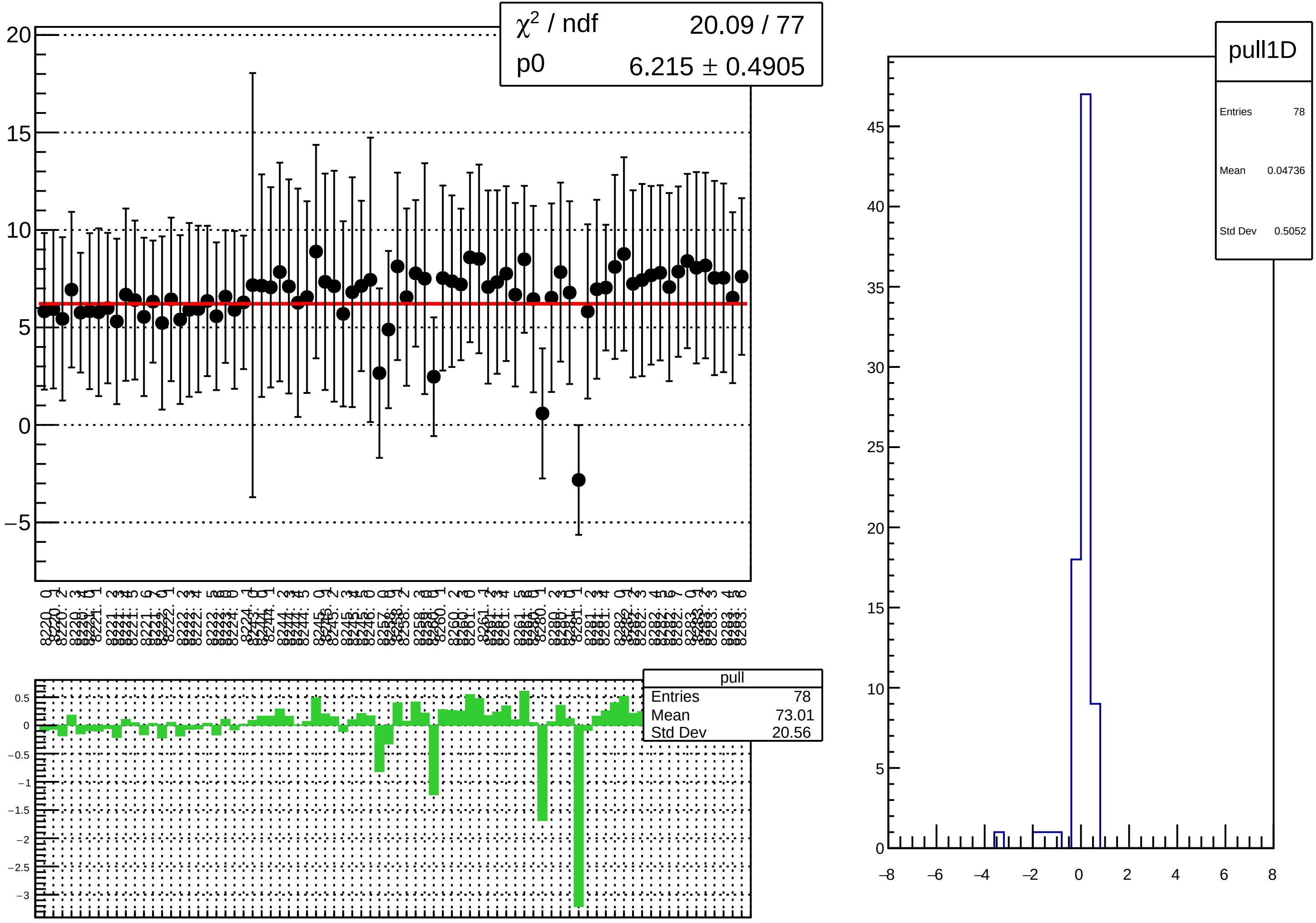


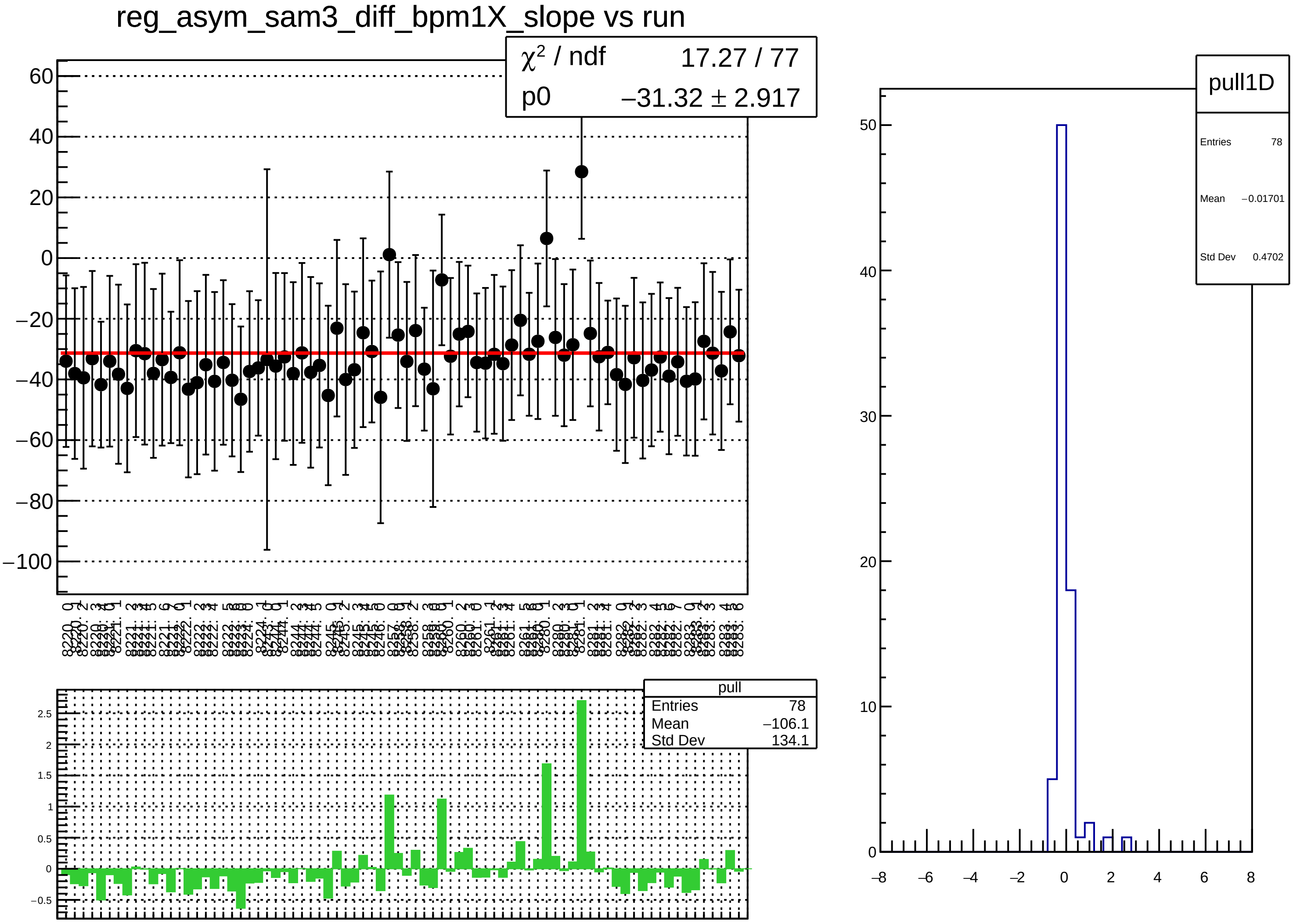
reg_asym_sam2_diff_bpm4eX_slope vs run
χ2 / ndf 9.24 / 77
p0 −203.7 ± 5.058
pull
Entries 78
Mean 12.89
Std Dev 46.58
pull1D
Entries 78
Mean 0.01549
Std Dev 0.3438



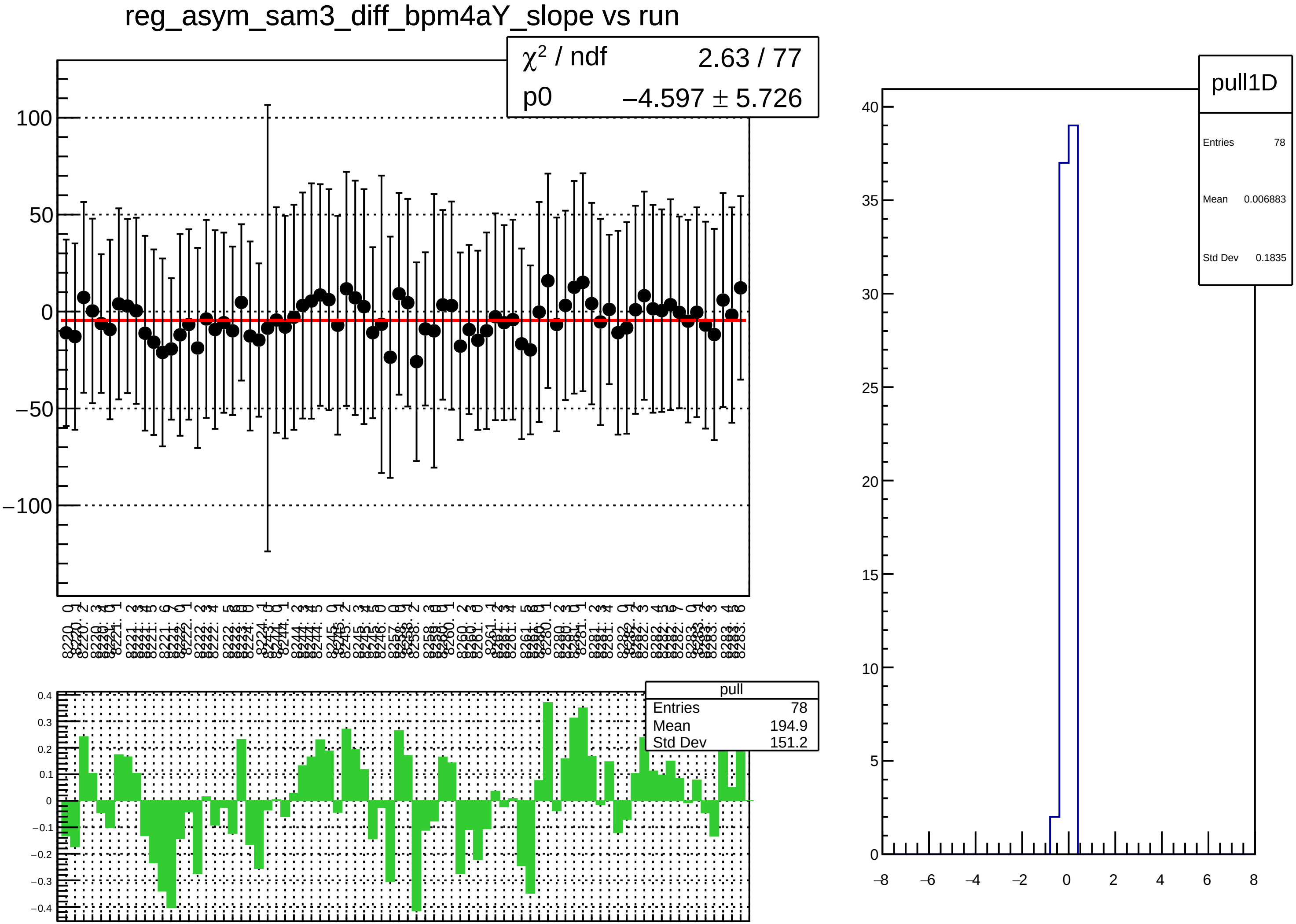
reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 2.758 / 77
p0 −10.25 ± 9.573
pull
Entries 78
Mean 1.161e+04
Std Dev 1.157e+04
pull1D
Entries 78
Mean −0.0002352
Std Dev 0.1881

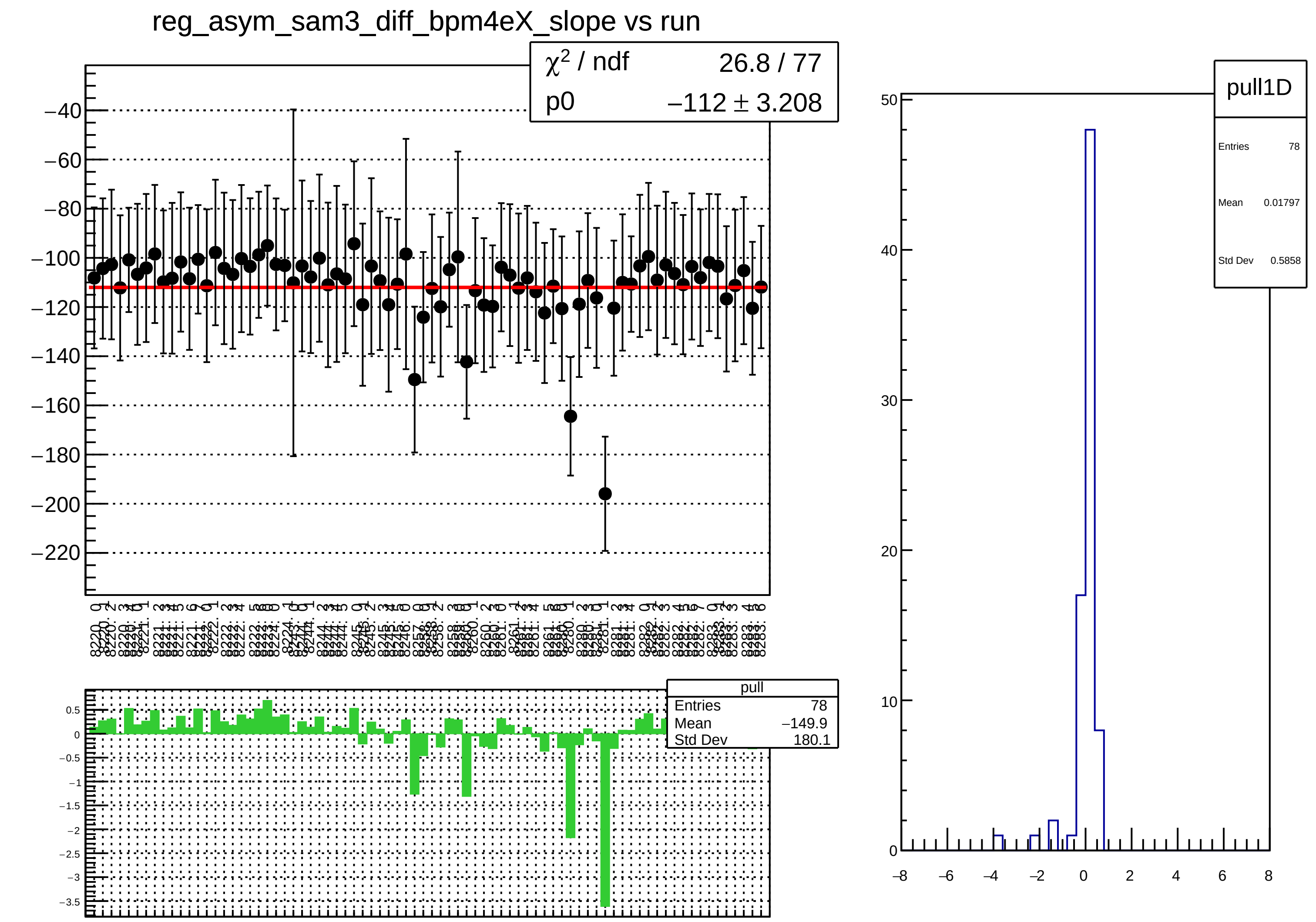
reg_asym_sam2_diff_bpm12X_slope vs run

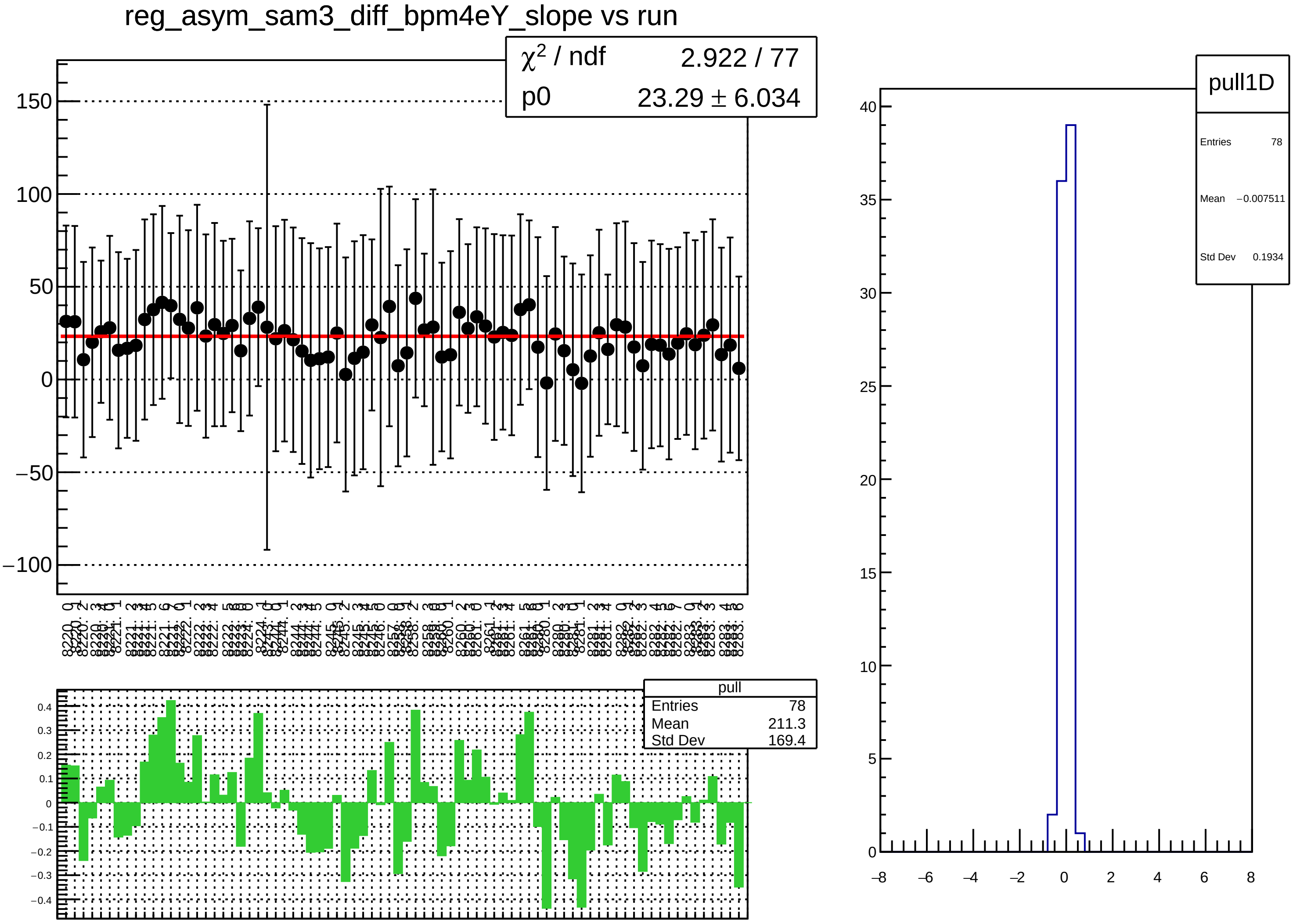




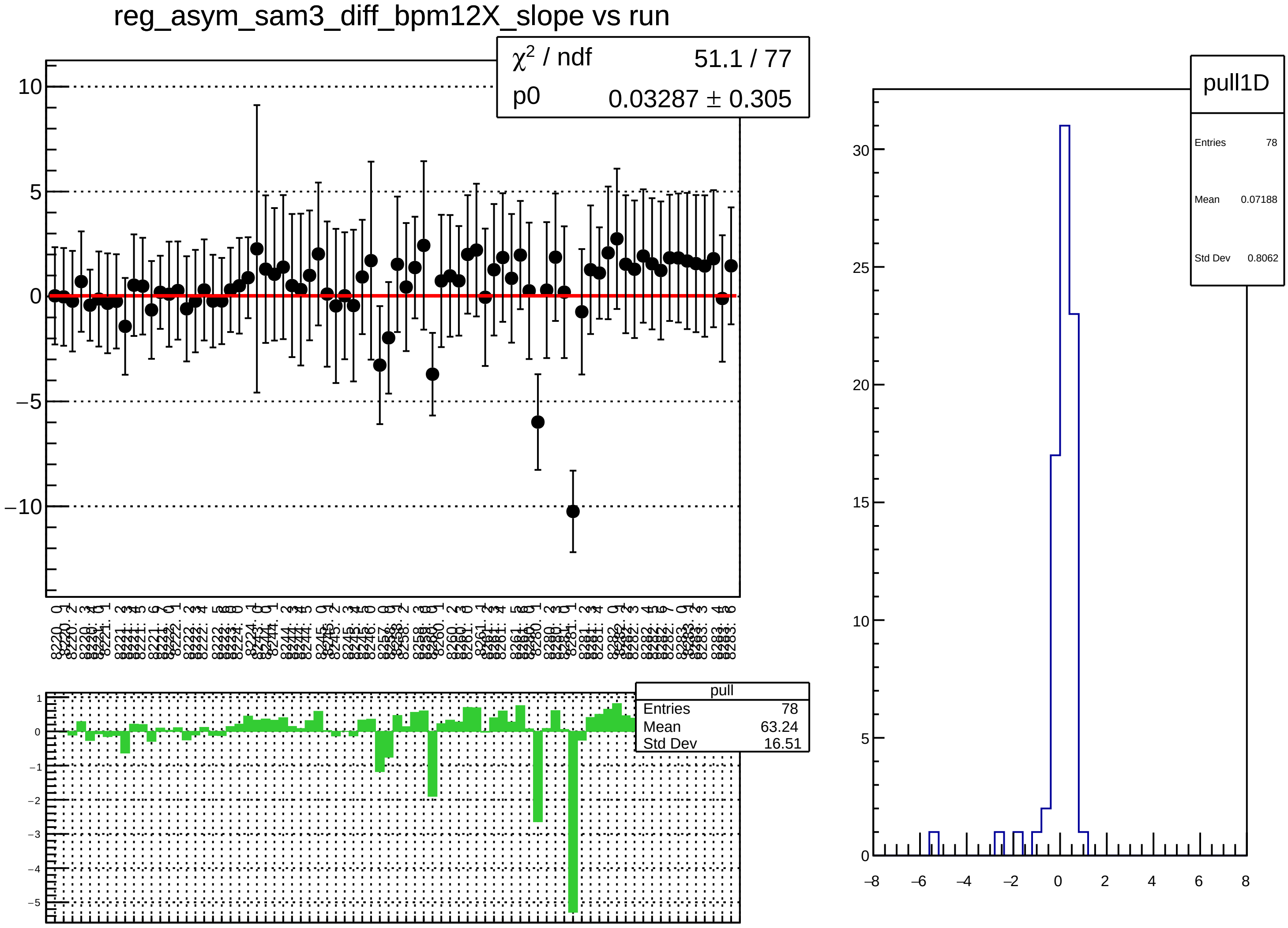
reg_asym_sam3_diff_bpm1X_slope vs run
χ2 / ndf 17.27 / 77
p0 −31.32 ± 2.917
pull
Entries 78
Mean −106.1
Std Dev 134.1
pull1D
Entries 78
Mean −0.01701
Std Dev 0.4702


reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 2.63 / 77
p0 −4.597 ± 5.726
pull
Entries 78
Mean 194.9
Std Dev 151.2
pull1D
Entries 78
Mean 0.006883
Std Dev 0.1835

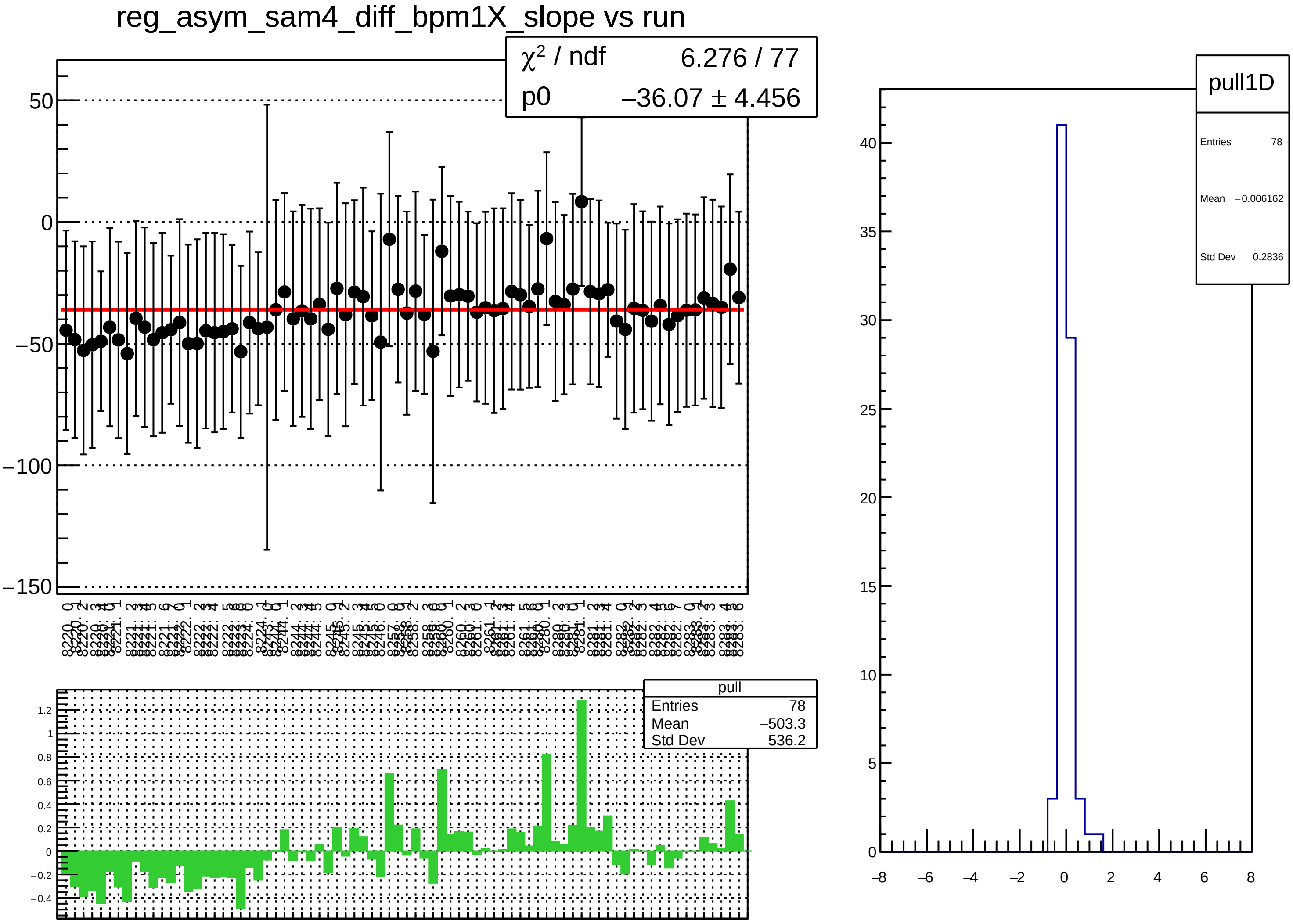

reg_asym_sam3_diff_bpm4eX_slope vs run
χ2 / ndf 26.8 / 77
p0 −112 ± 3.208
pull
Entries 78
Mean −149.9
Std Dev 180.1
pull1D
Entries 78
Mean 0.01797
Std Dev 0.5858

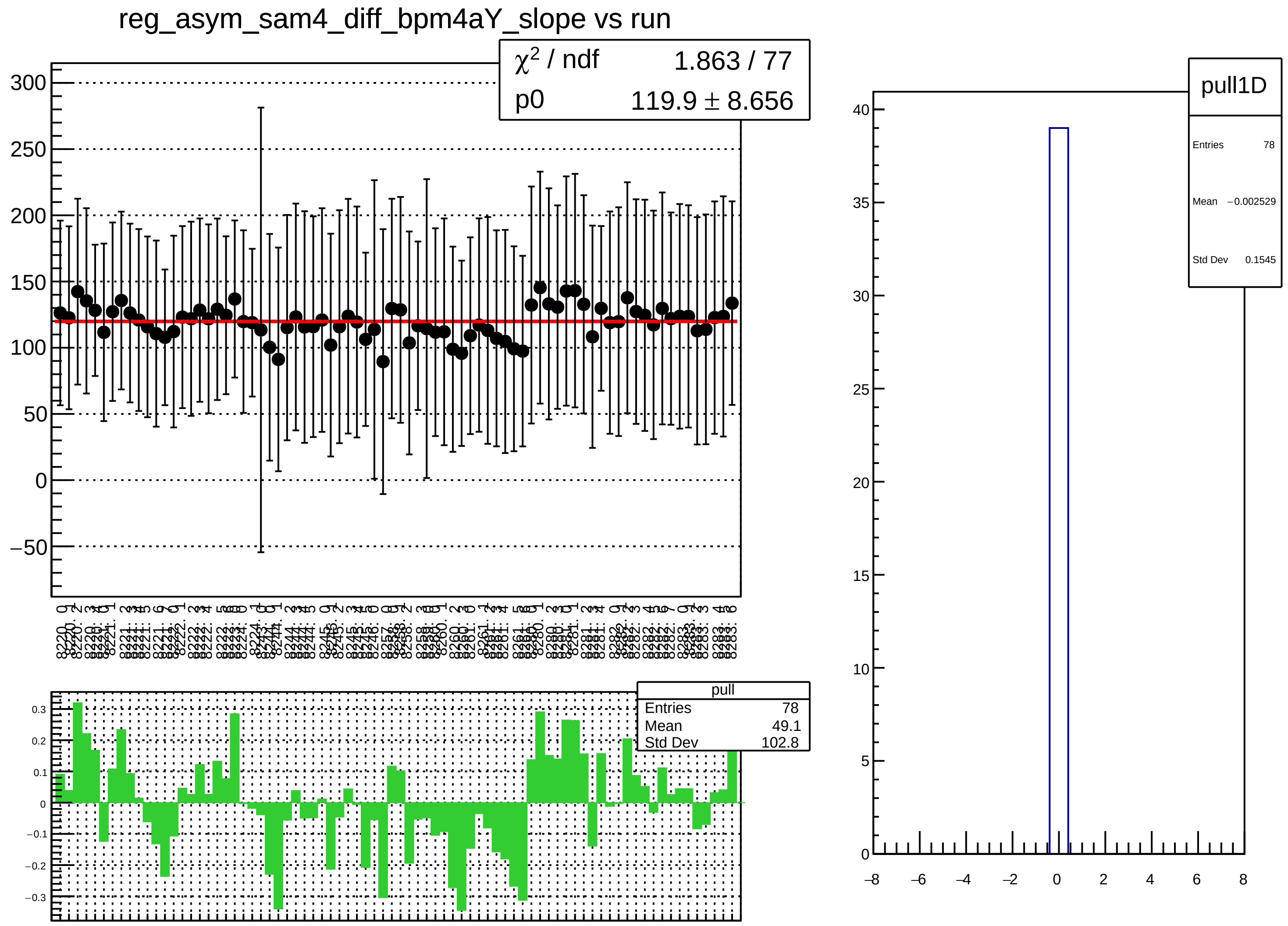


reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 2.922 / 77
p0 23.29 ± 6.034
pull
Entries 78
Mean 211.3
Std Dev 169.4
pull1D
Entries 78
Mean −0.007511
Std Dev 0.1934

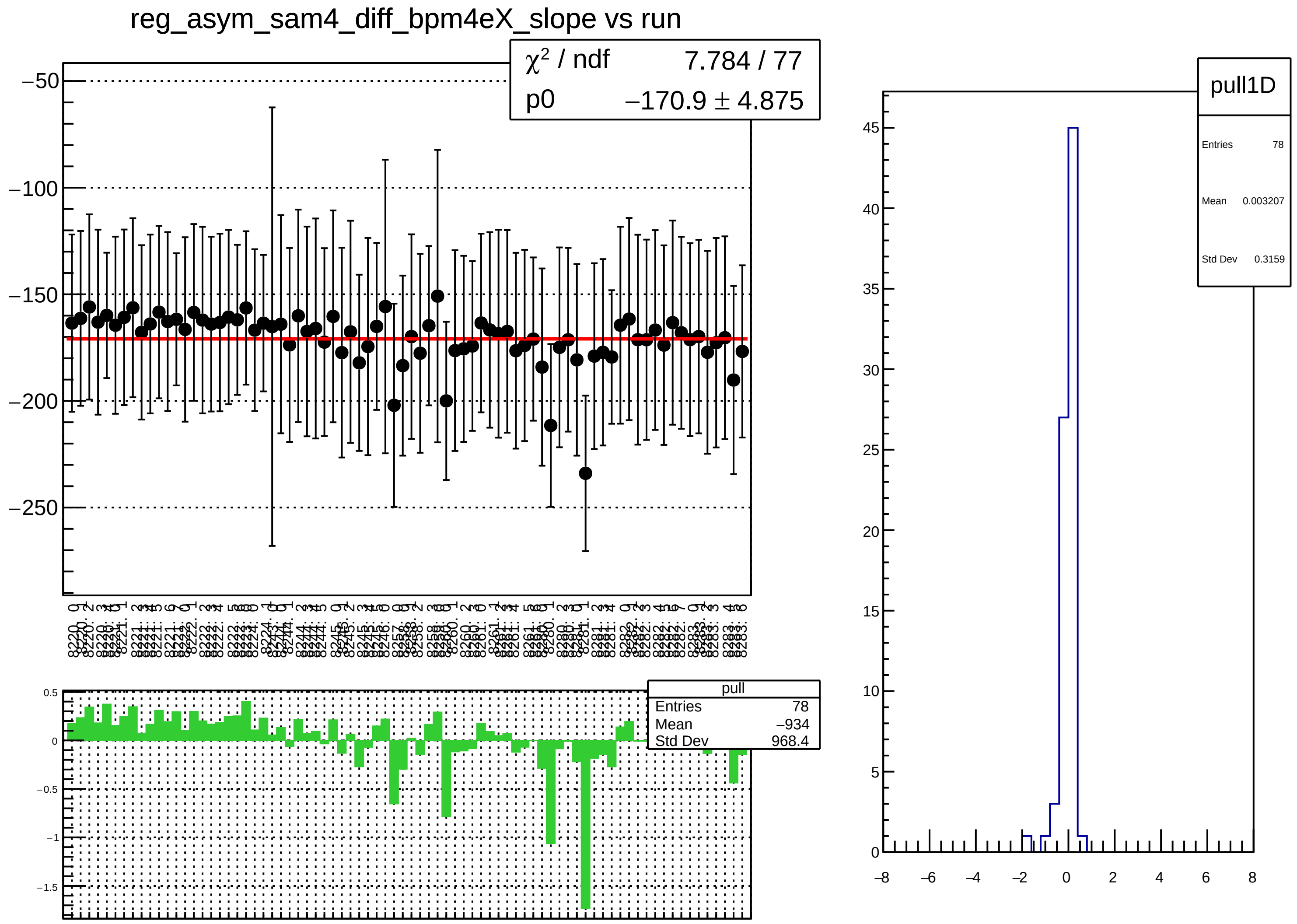


reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 51.1 / 77
p0 0.03287 ± 0.305
pull
Entries 78
Mean 63.24
Std Dev 16.51
pull1D
Entries 78
Mean 0.07188
Std Dev 0.8062


reg_asym_sam4_diff_bpm1X_slope vs run
χ2 / ndf 6.276 / 77
p0 −36.07 ± 4.456
pull
Entries 78
Mean −503.3
Std Dev 536.2
pull1D
Entries 78
Mean −0.006162
Std Dev 0.2836

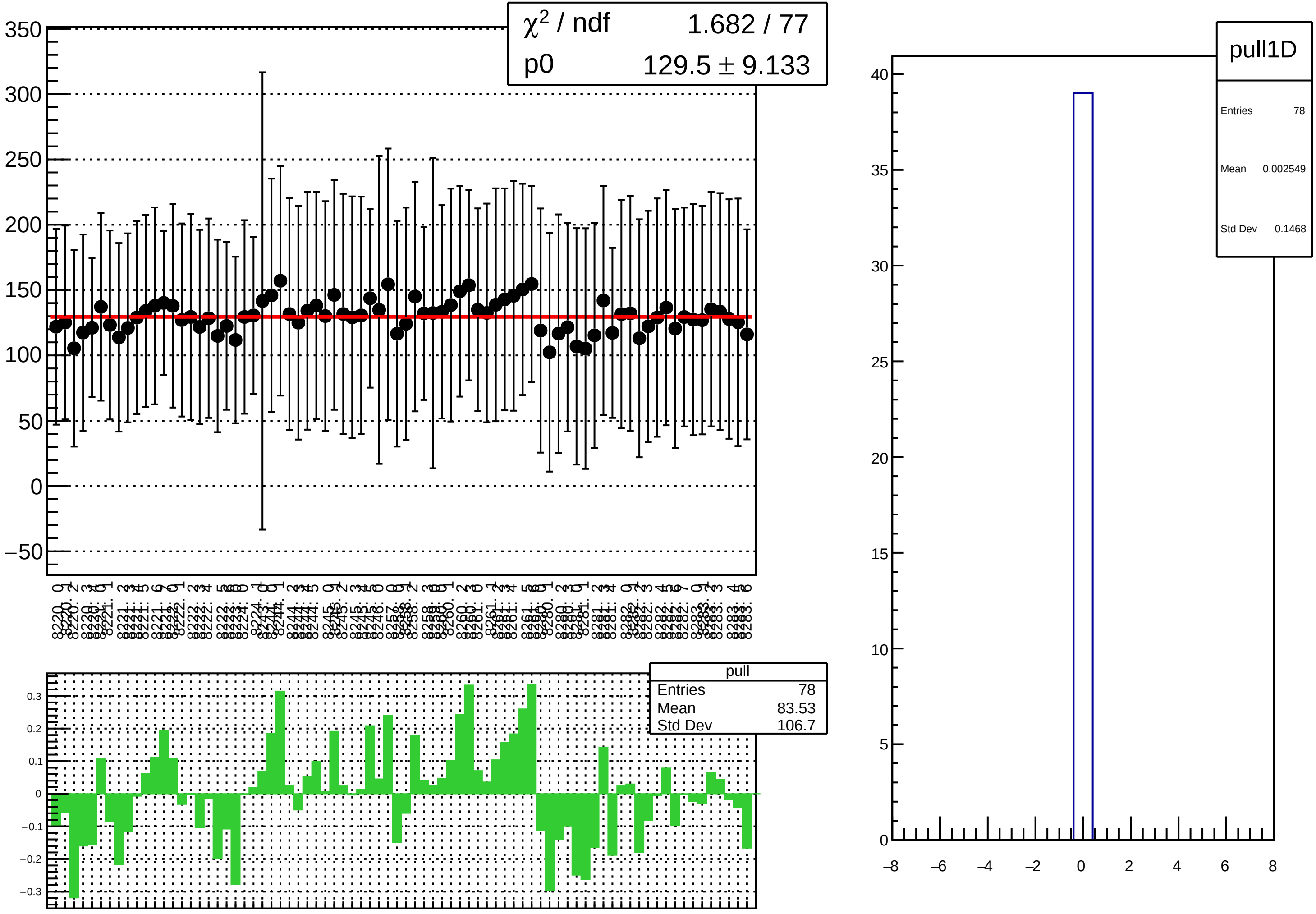


reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 1.863 / 77
p0 119.9 ± 8.656
pull
Entries 78
Mean 49.1
Std Dev 102.8
pull1D
Entries 78
Mean −0.002529
Std Dev 0.1545

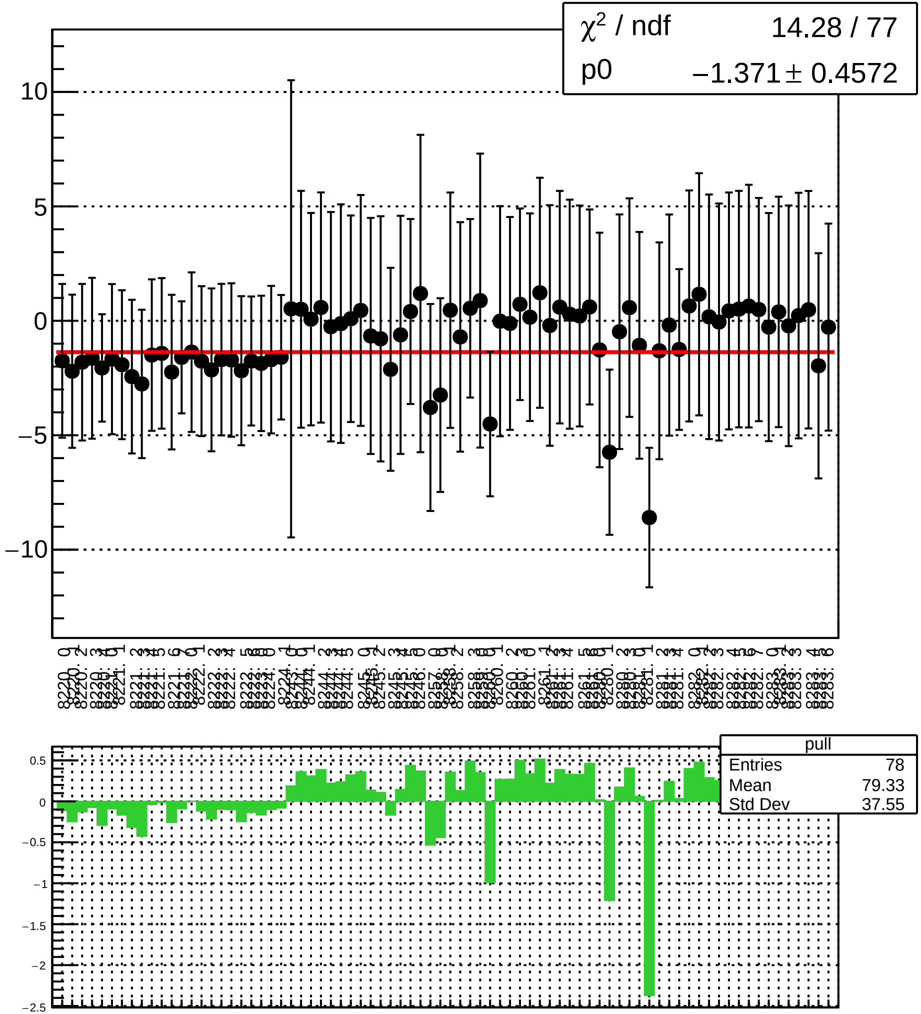


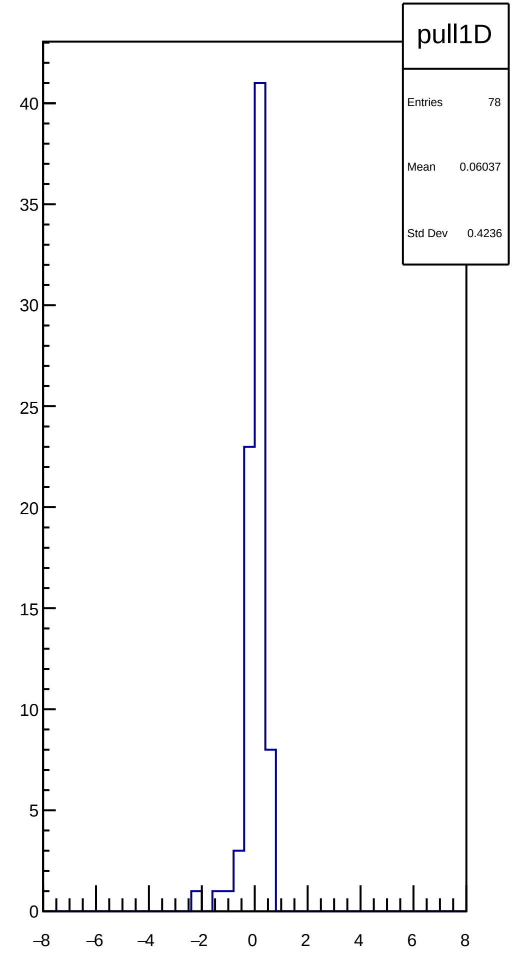
reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 7.784 / 77
p0 −170.9 ± 4.875
pull
Entries 78
Mean −934
Std Dev 968.4
pull1D
Entries 78
Mean 0.003207
Std Dev 0.3159

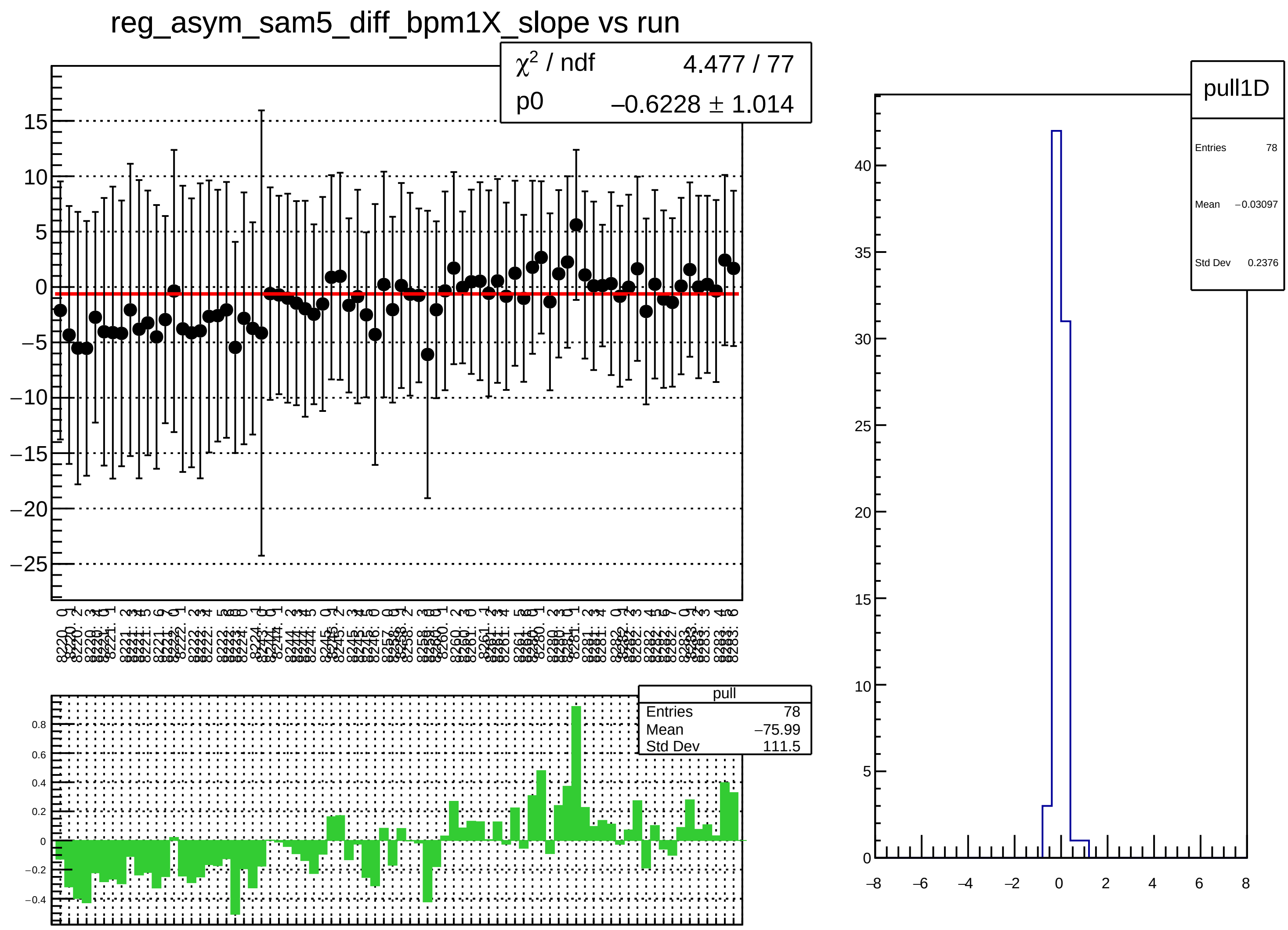
reg_asym_sam4_diff_bpm4eY_slope vs run



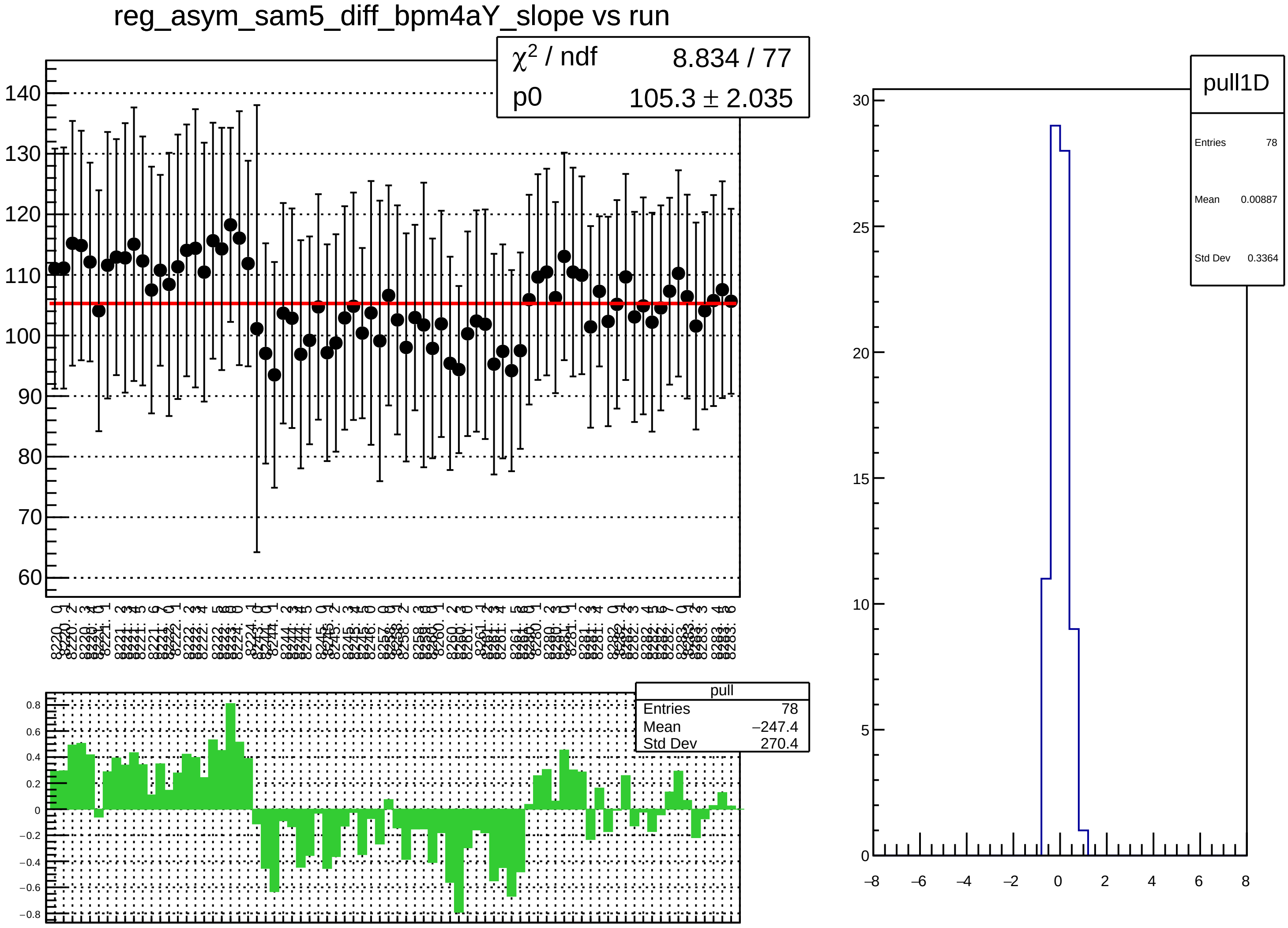
reg_asym_sam4_diff_bpm12X_slope vs run



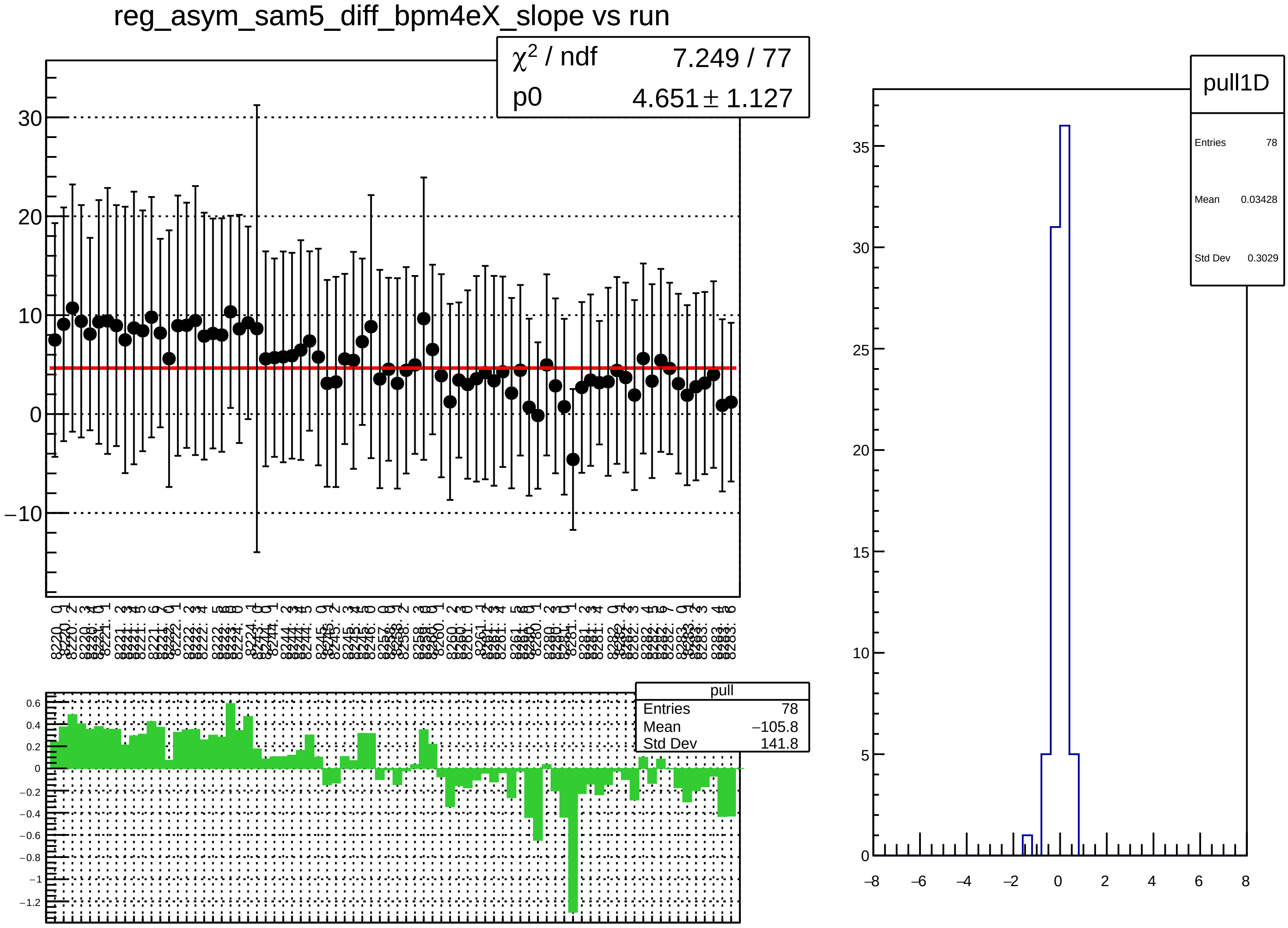




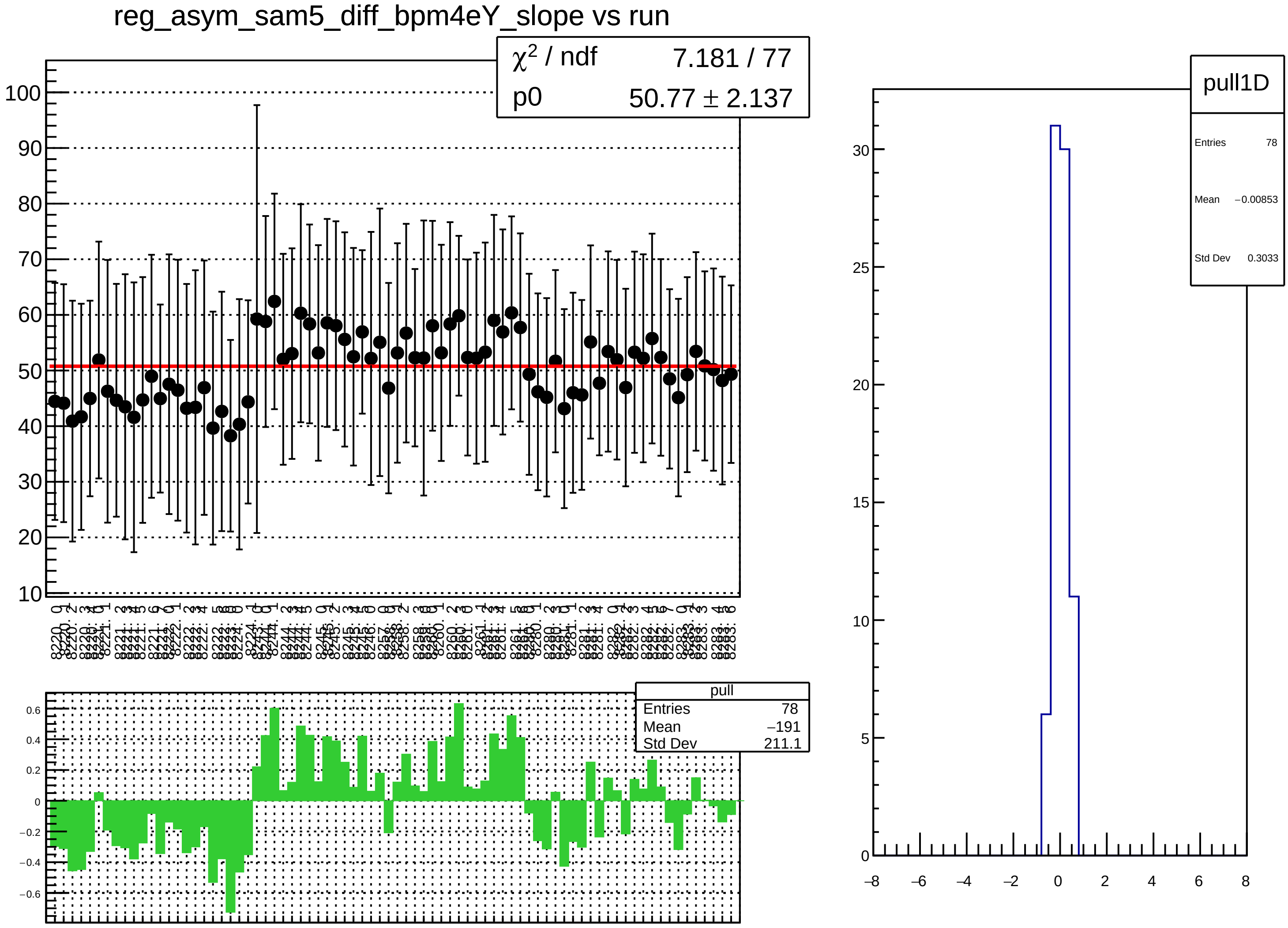
reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 4.477 / 77
p0 −0.6228 ± 1.014
pull
Entries 78
Mean −75.99
Std Dev 111.5
pull1D
Entries 78
Mean −0.03097
Std Dev 0.2376

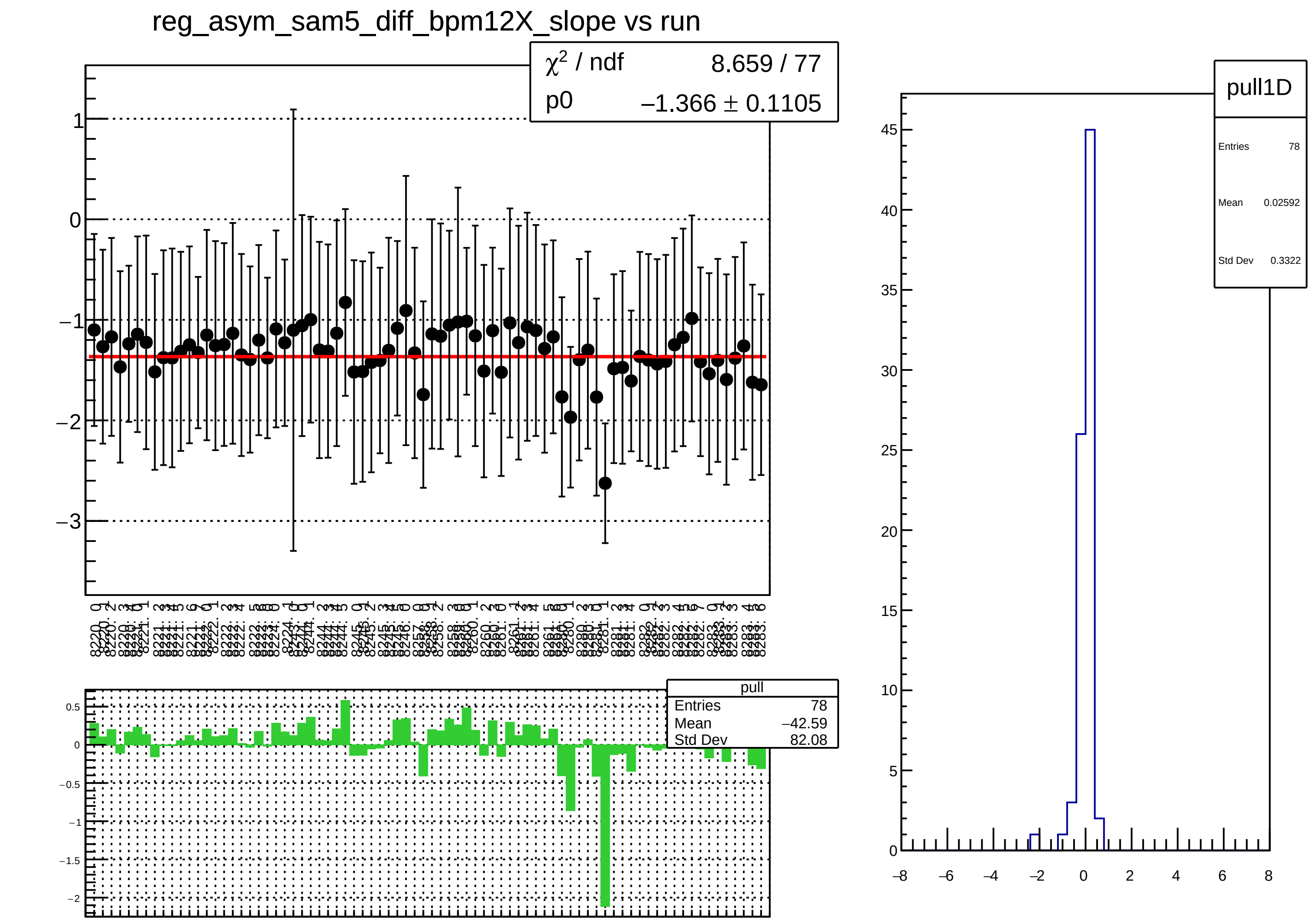


reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 8.834 / 77
p0 105.3 ± 2.035
pull
Entries 78
Mean −247.4
Std Dev 270.4
pull1D
Entries 78
Mean 0.00887
Std Dev 0.3364

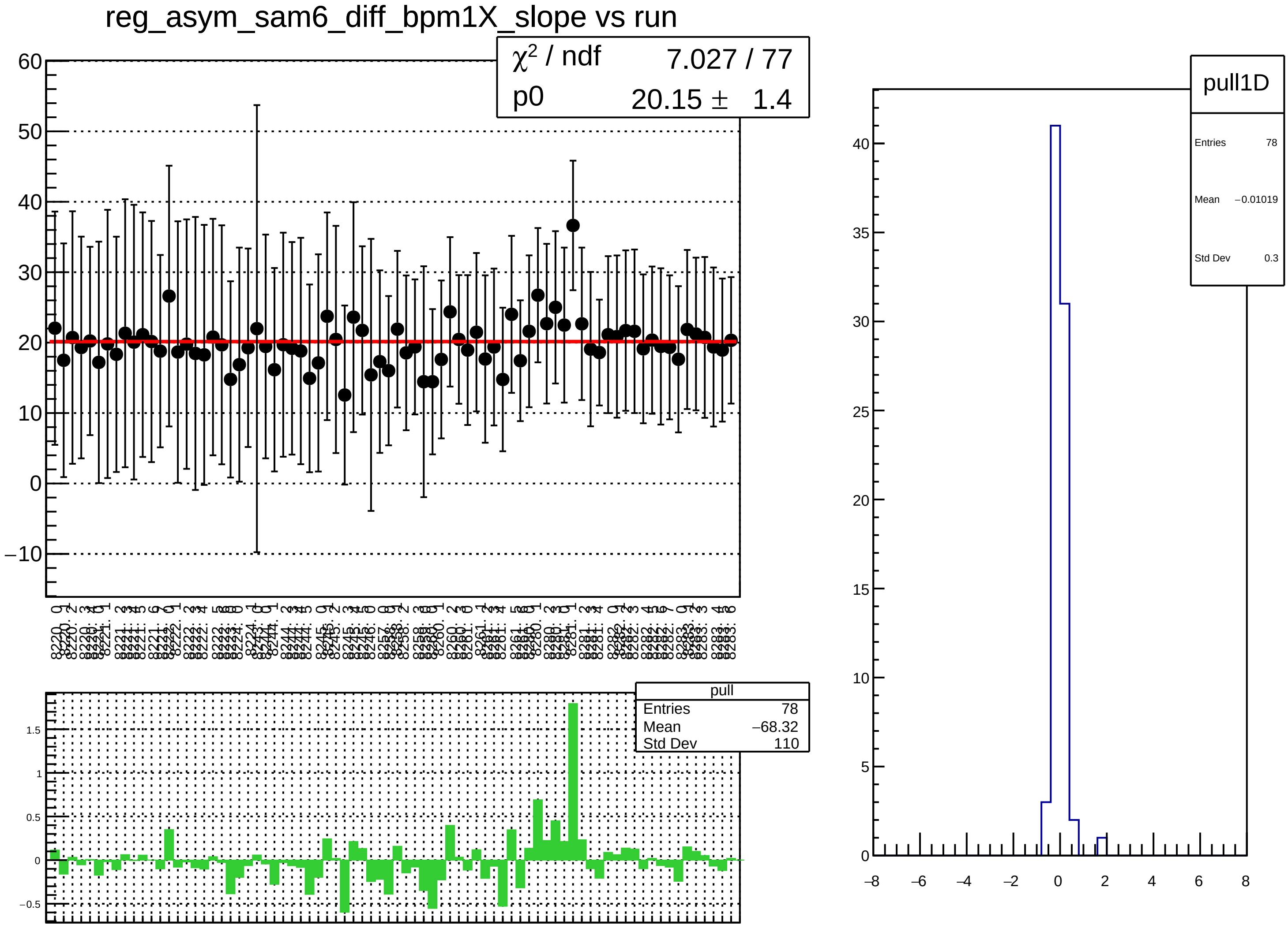


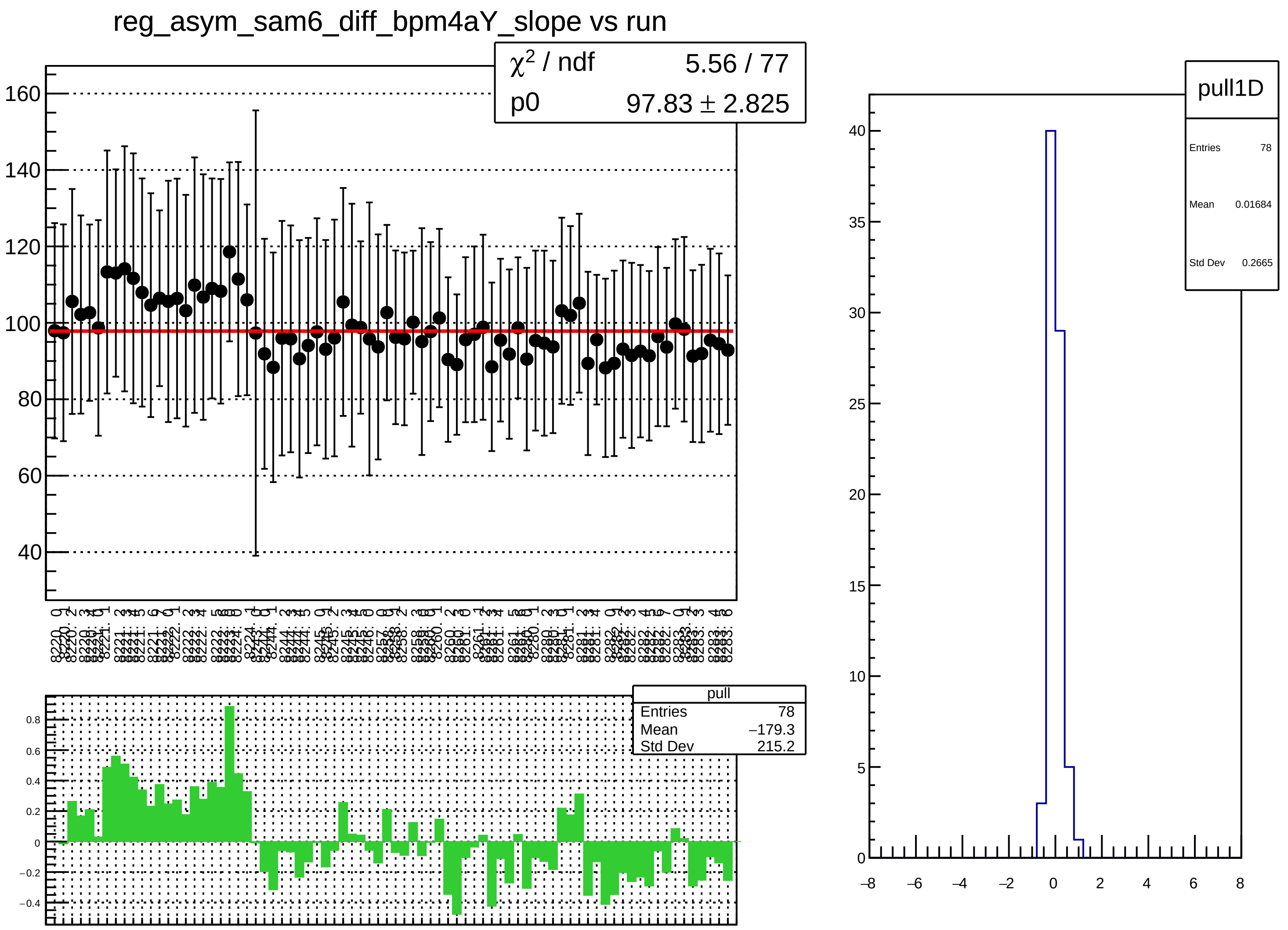
reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 7.249 / 77
p0 4.651 ± 1.127
pull
Entries 78
Mean −105.8
Std Dev 141.8
pull1D
Entries 78
Mean 0.03428
Std Dev 0.3029


reg_asym_sam5_diff_bpm4eY_slope vs run
χ2 / ndf 7.181 / 77
p0 50.77 ± 2.137
100
90
80
70
60
50
40
30
20
10
pull
Entries 78
Mean −191
Std Dev 211.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 78
Mean −0.00853
Std Dev 0.3033
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

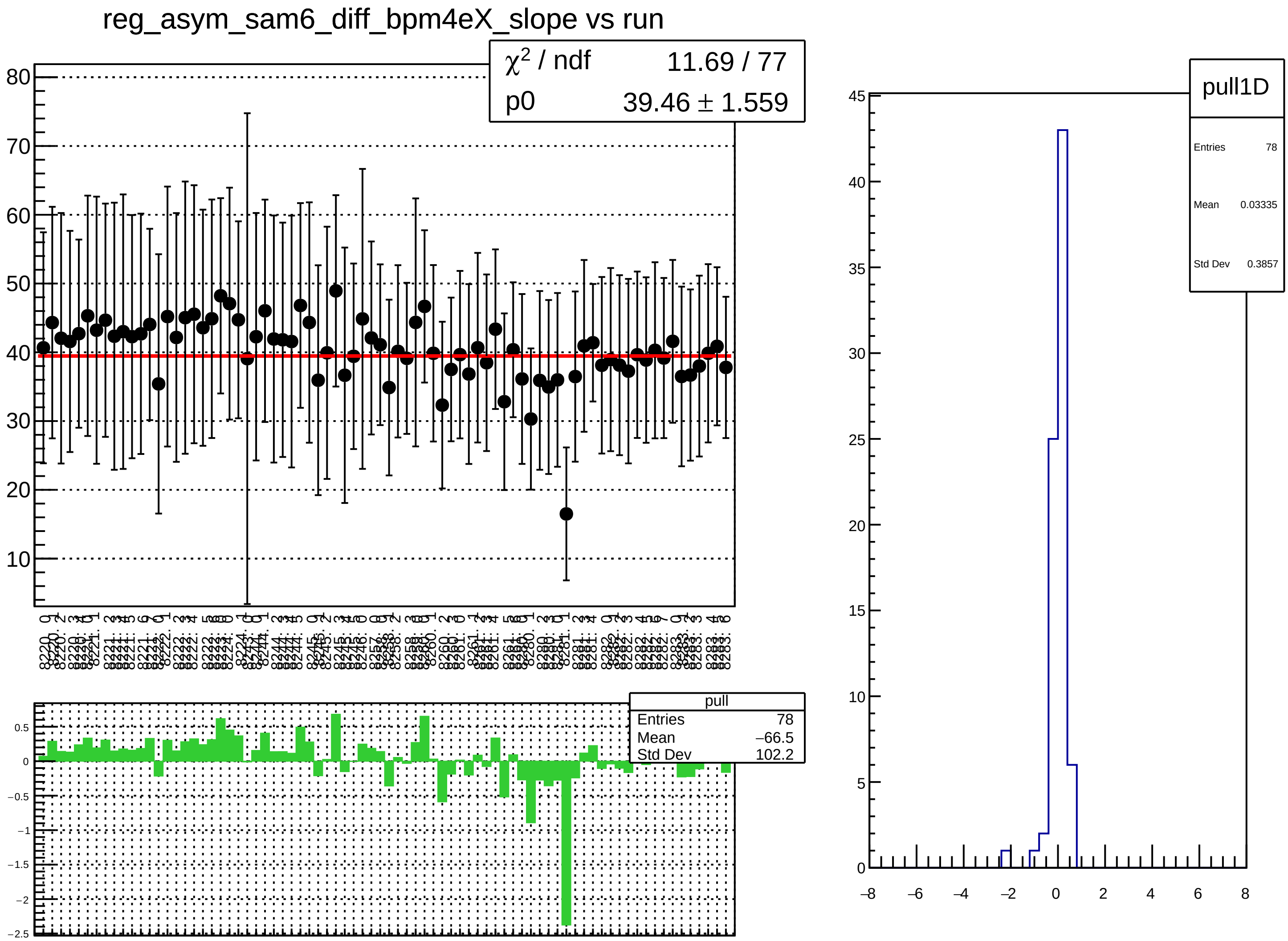


reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 8.659 / 77
p0 −1.366 ± 0.1105
pull
Entries 78
Mean −42.59
Std Dev 82.08
pull1D
Entries 78
Mean 0.02592
Std Dev 0.3322

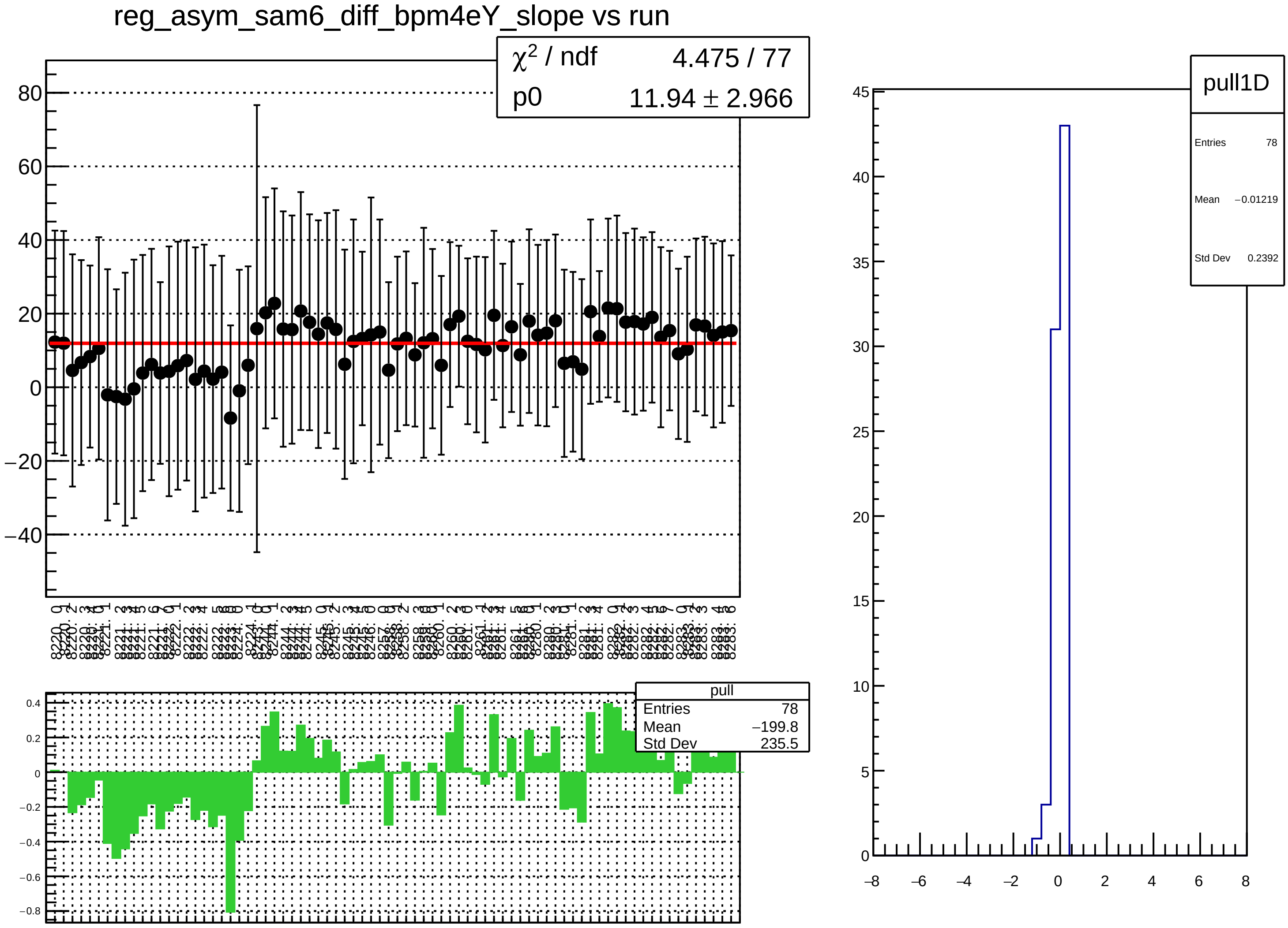

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 7.027 / 77
p0 20.15 ± 1.4
pull
Entries 78
Mean −68.32
Std Dev 110
pull1D
Entries 78
Mean −0.01019
Std Dev 0.3



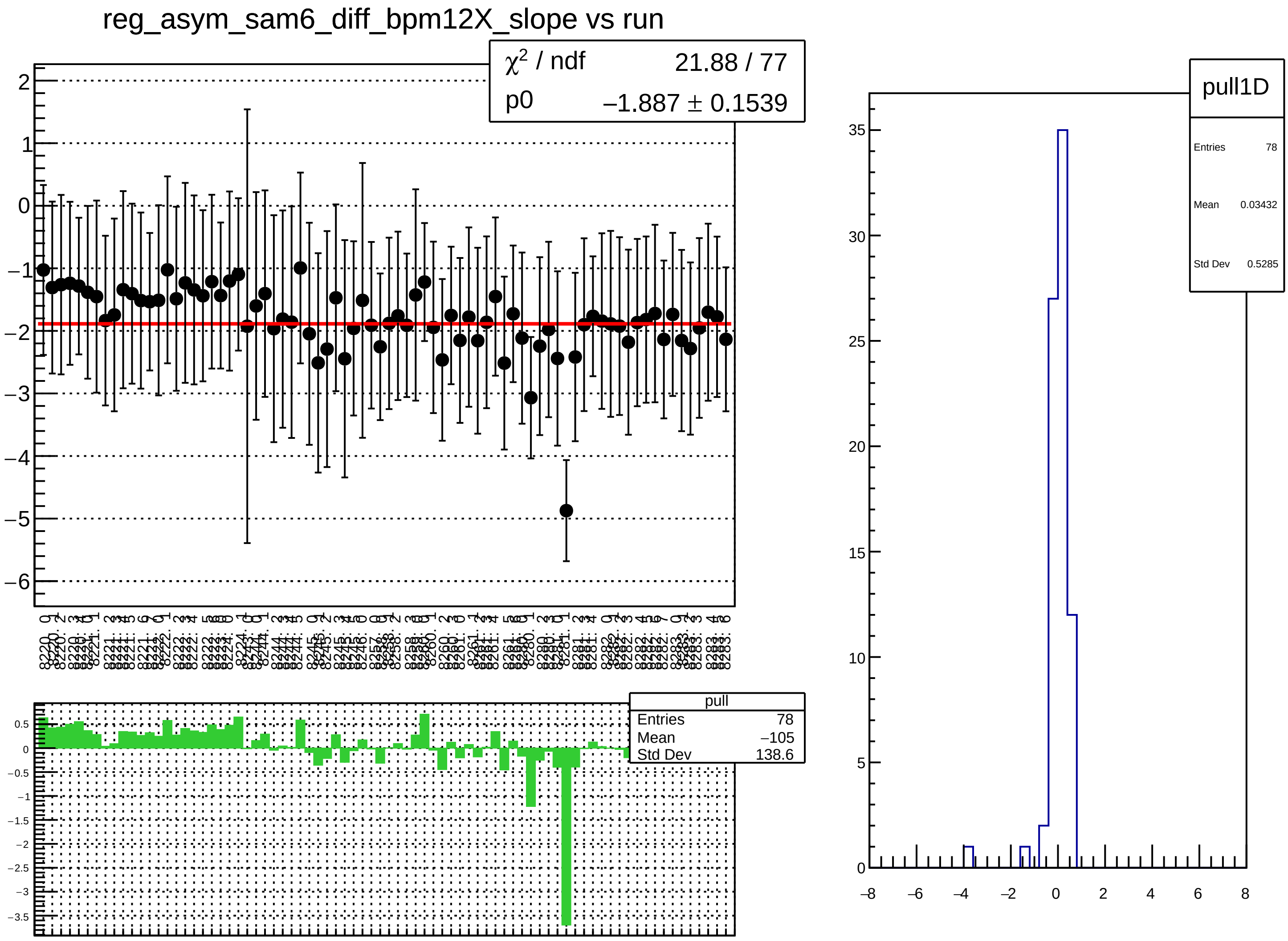
reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 5.56 / 77
p0 97.83 ± 2.825
pull
Entries 78
Mean −179.3
Std Dev 215.2
pull1D
Entries 78
Mean 0.01684
Std Dev 0.2665



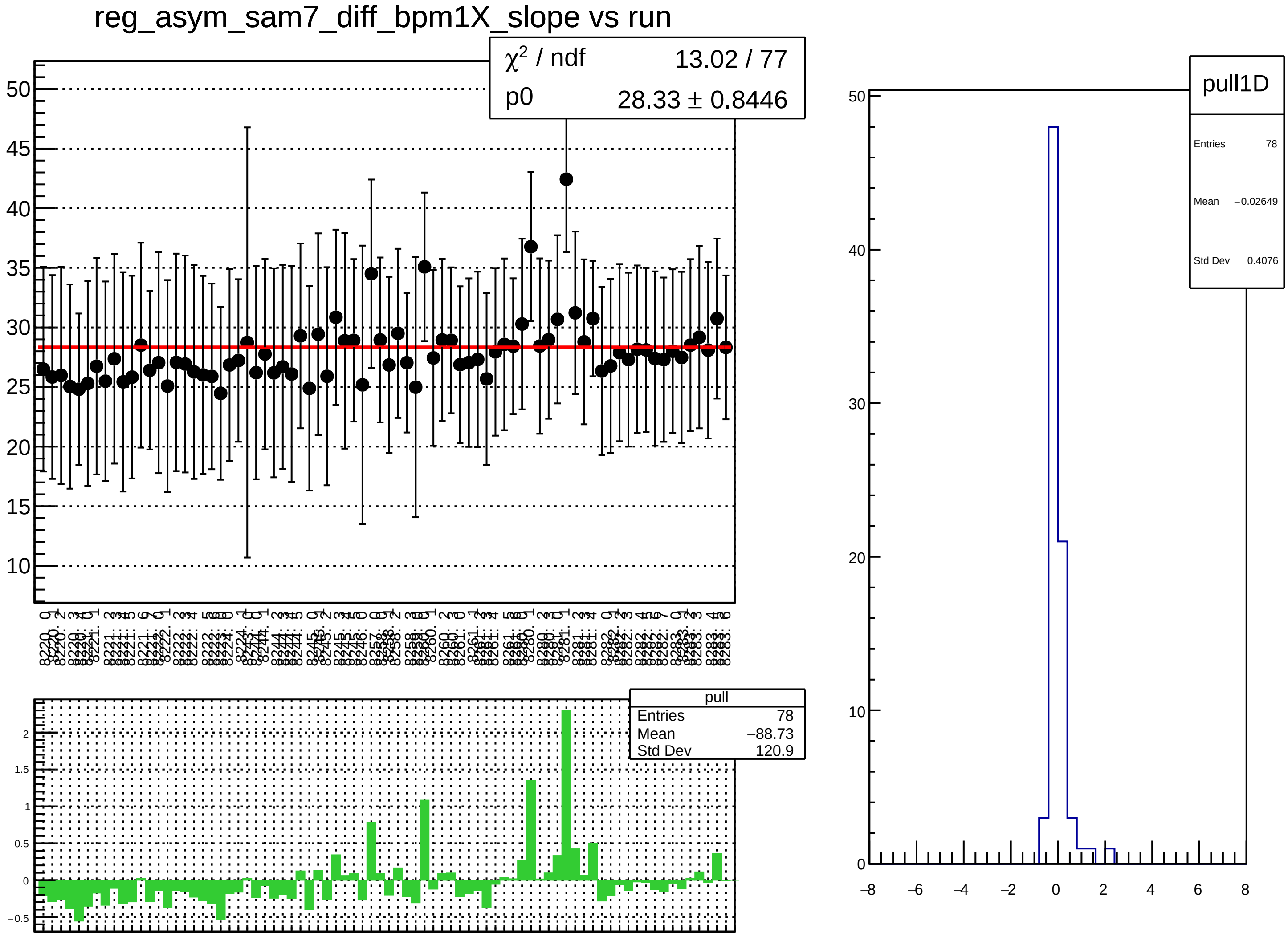
reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 11.69 / 77
p0 39.46 ± 1.559
pull
Entries 78
Mean −66.5
Std Dev 102.2
pull1D
Entries 78
Mean 0.03335
Std Dev 0.3857



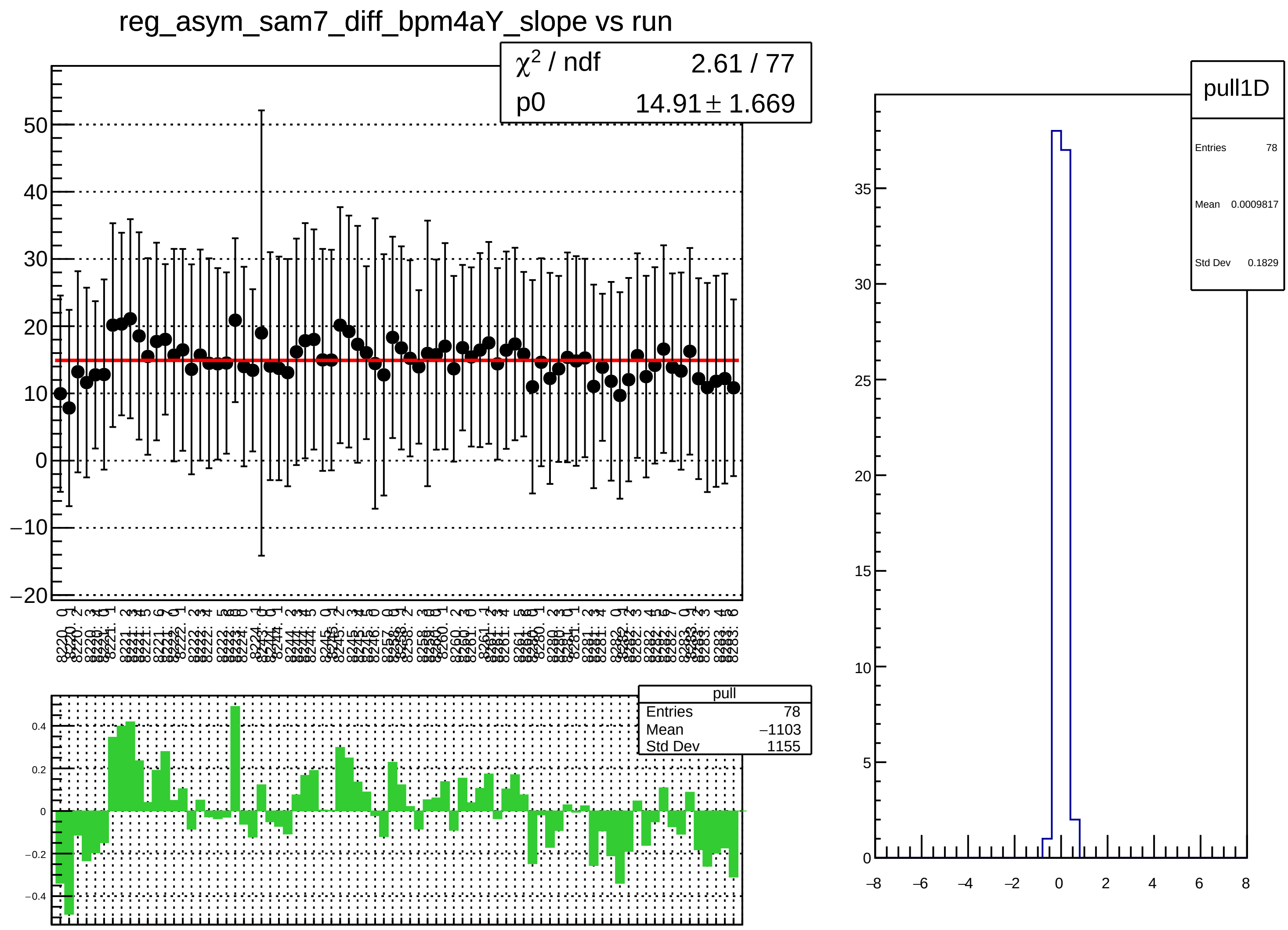
reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 4.475 / 77
p0 11.94 ± 2.966
pull
Entries 78
Mean −199.8
Std Dev 235.5
pull1D
Entries 78
Mean −0.01219
Std Dev 0.2392



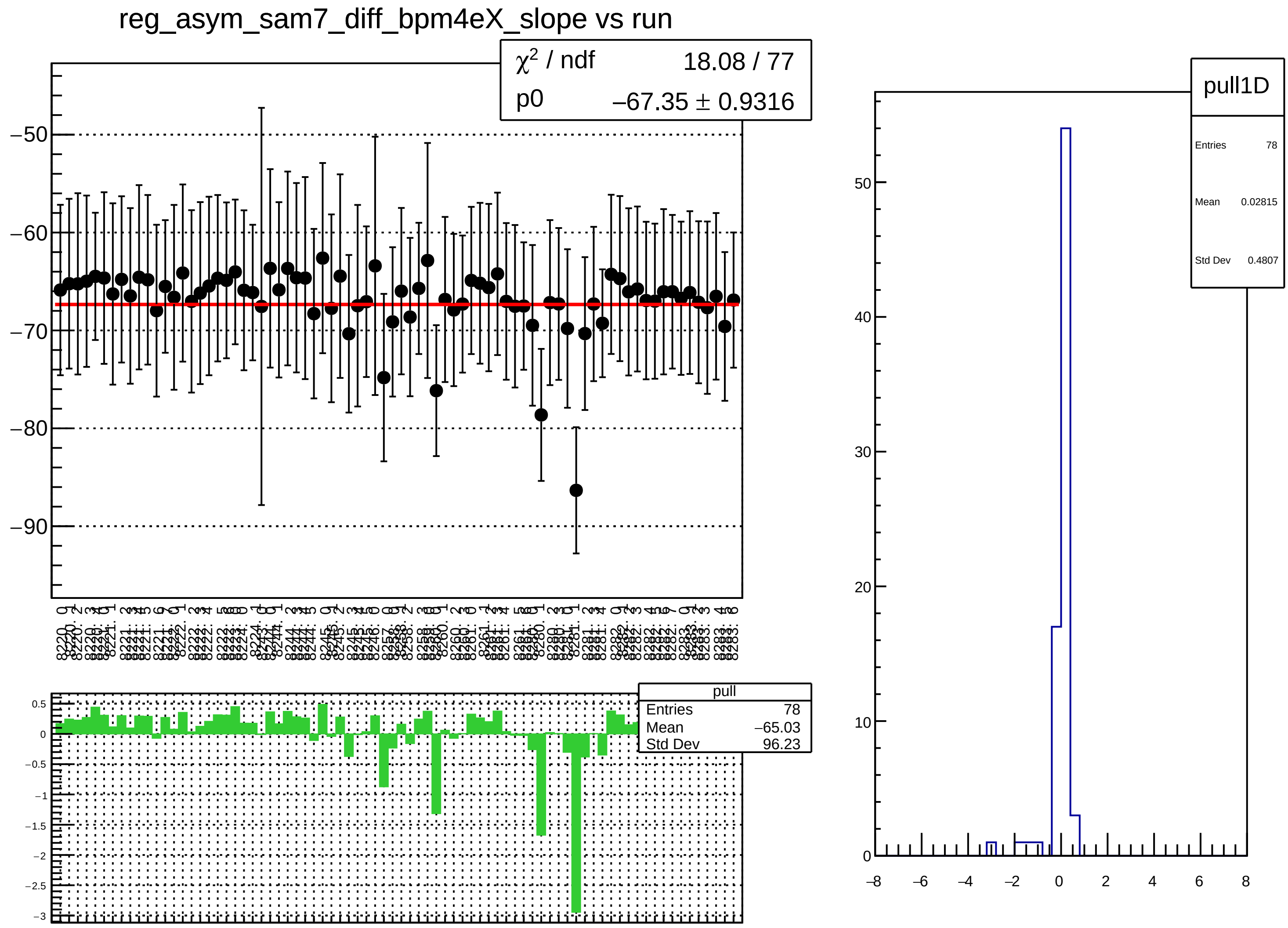
reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 21.88 / 77
p0 −1.887 ± 0.1539
pull
Entries 78
Mean −105
Std Dev 138.6
pull1D
Entries 78
Mean 0.03432
Std Dev 0.5285

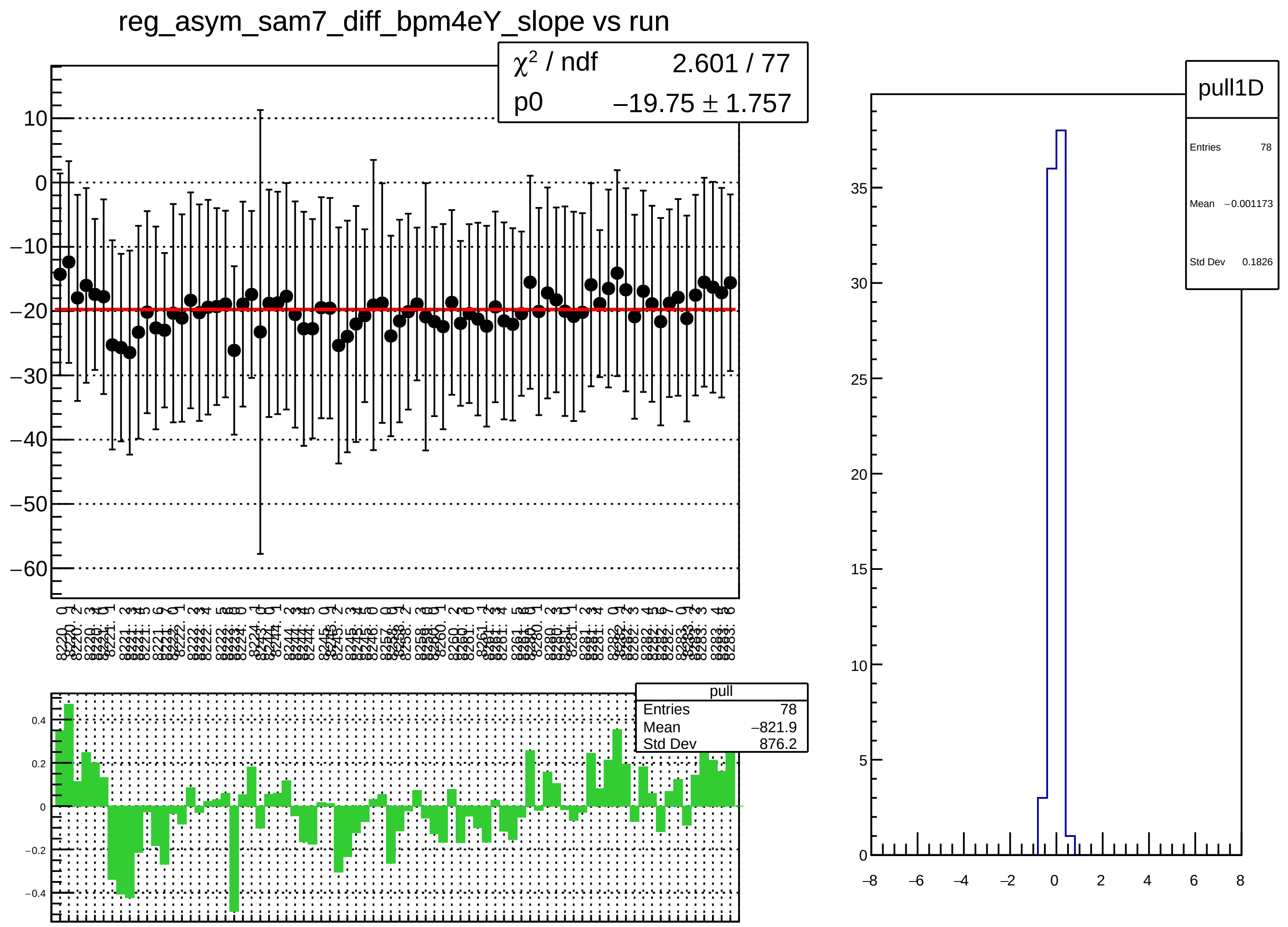


reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 13.02 / 77
p0 28.33 ± 0.8446
pull
Entries 78
Mean −88.73
Std Dev 120.9
pull1D
Entries 78
Mean −0.02649
Std Dev 0.4076

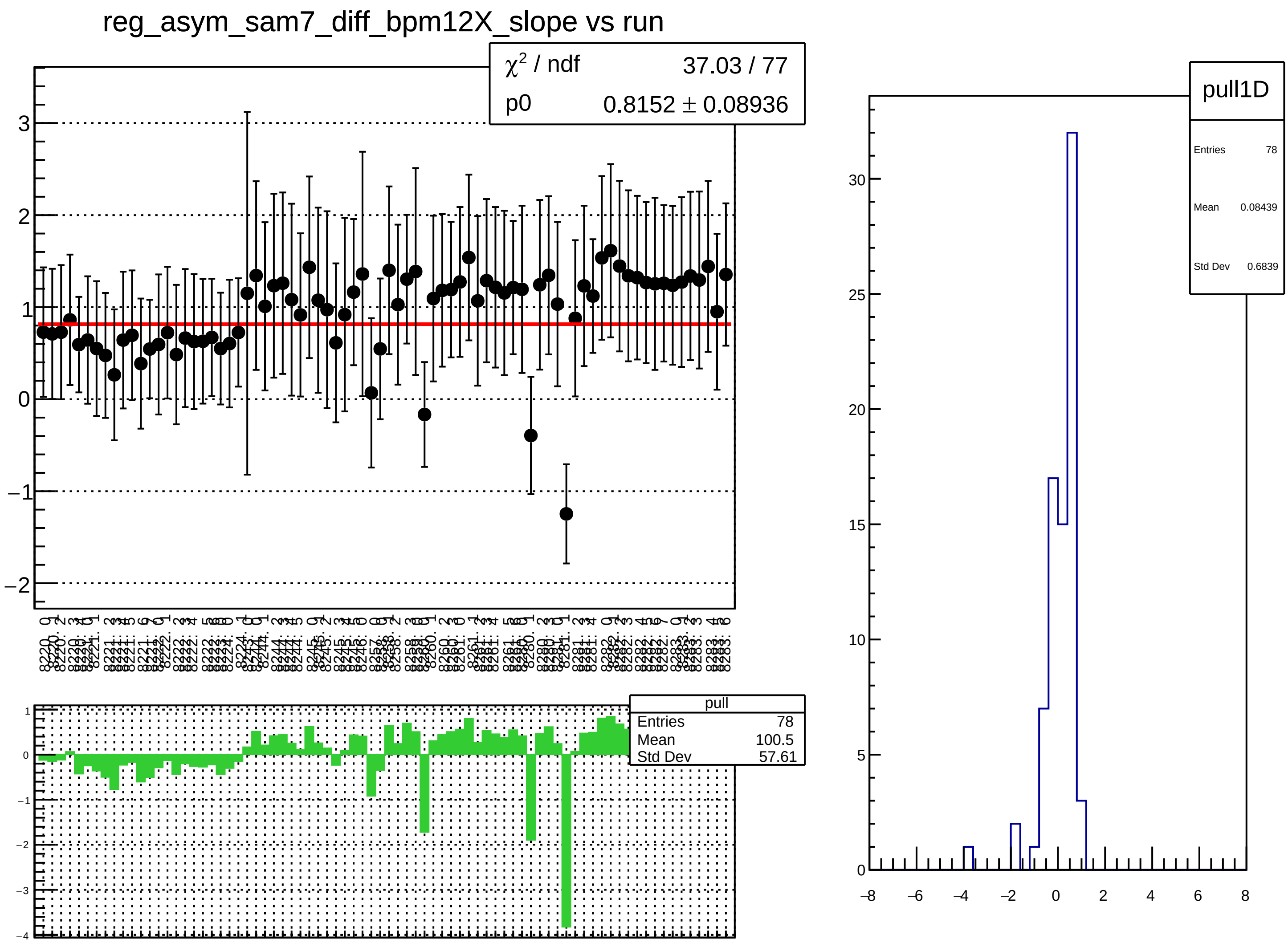


reg_asym_sam7_diff_bpm4aY_slope vs run
χ2 / ndf 2.61 / 77
p0 14.91 ± 1.669
pull
Entries 78
Mean −1103
Std Dev 1155
pull1D
Entries 78
Mean 0.0009817
Std Dev 0.1829

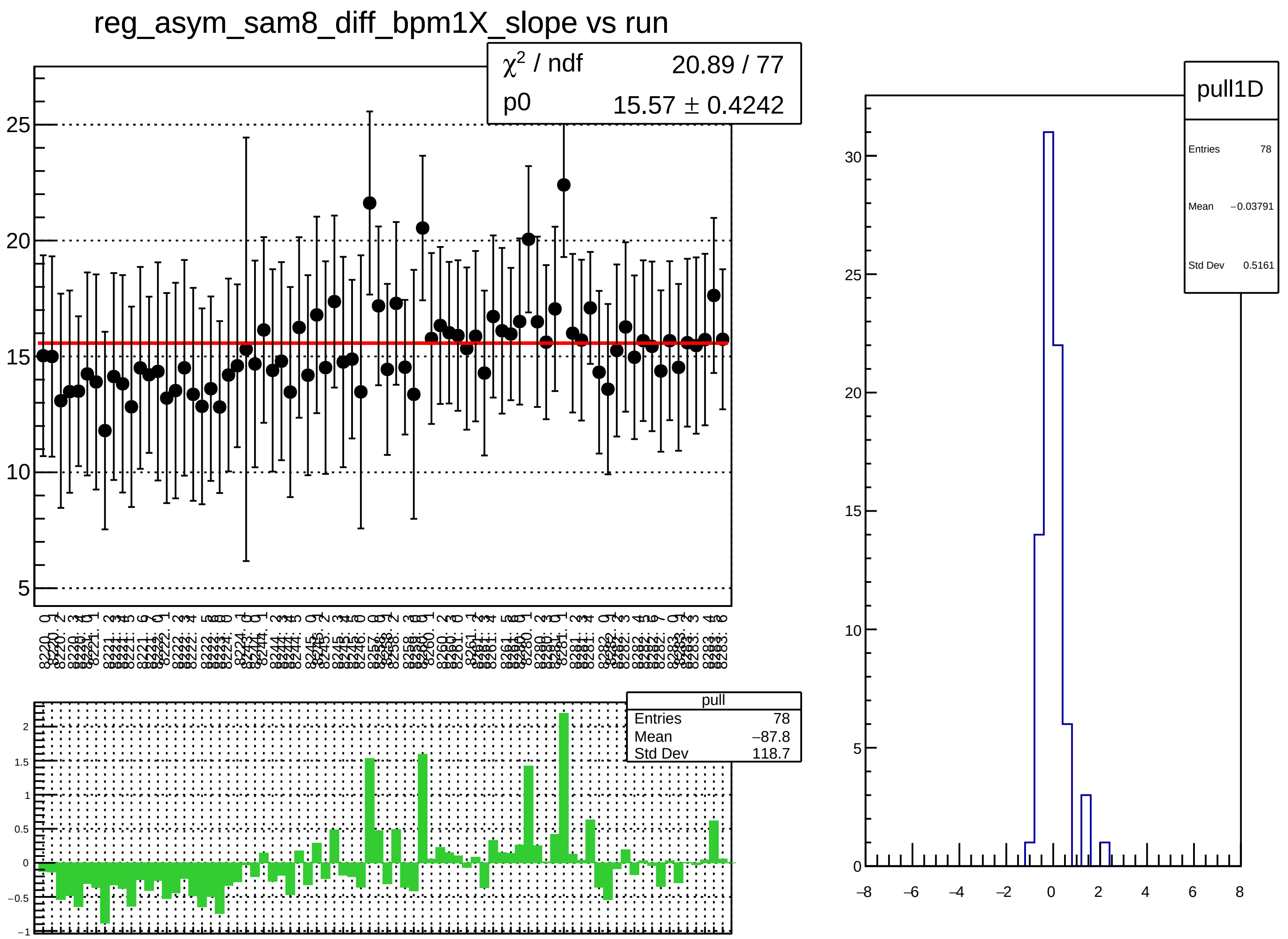

reg_asym_sam7_diff_bpm4eX_slope vs run
χ2 / ndf 18.08 / 77
p0 −67.35 ± 0.9316
pull
Entries 78
Mean −65.03
Std Dev 96.23
pull1D
Entries 78
Mean 0.02815
Std Dev 0.4807



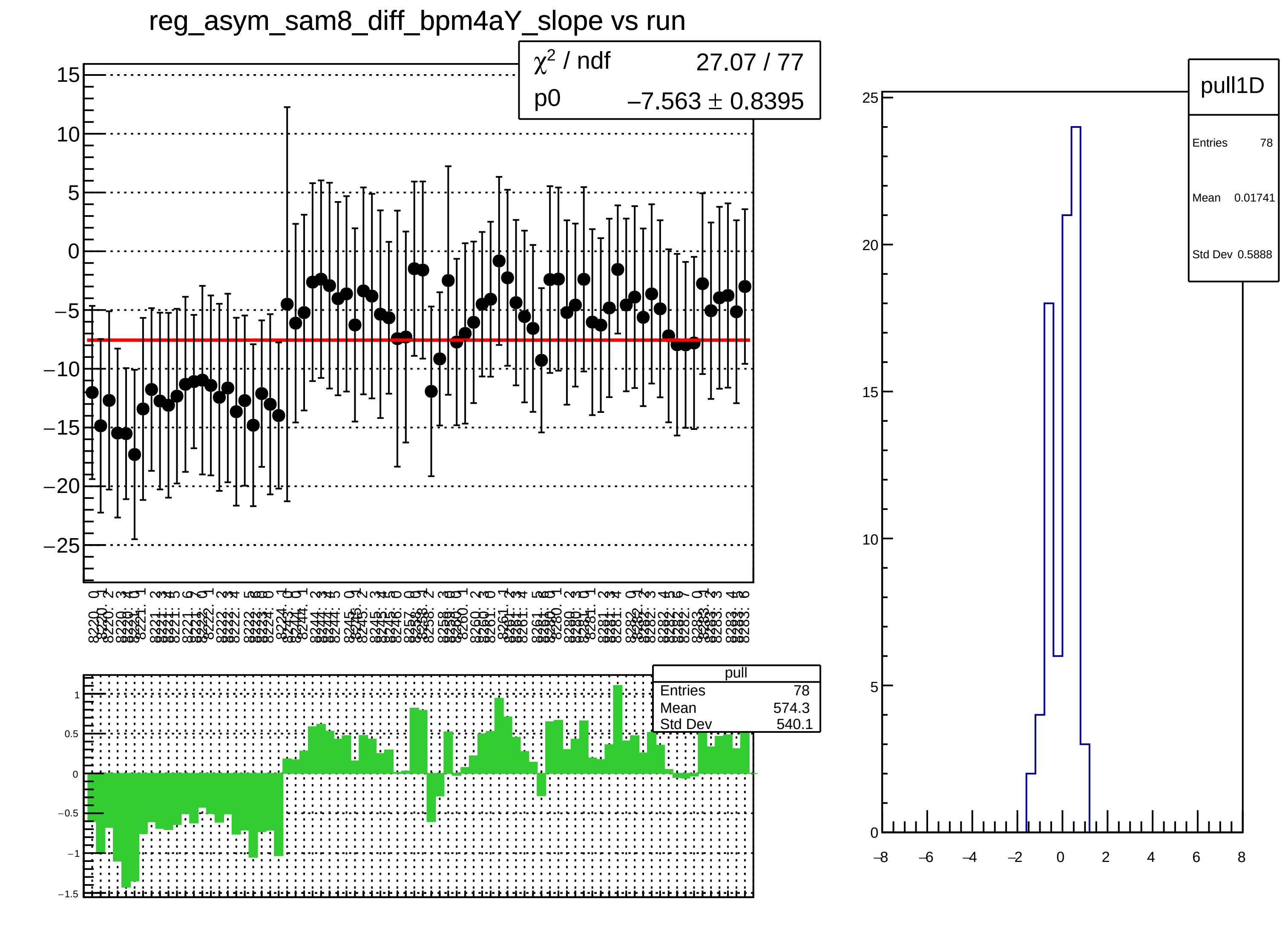
reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 2.601 / 77
p0 −19.75 ± 1.757
pull
Entries 78
Mean −821.9
Std Dev 876.2
pull1D
Entries 78
Mean −0.001173
Std Dev 0.1826

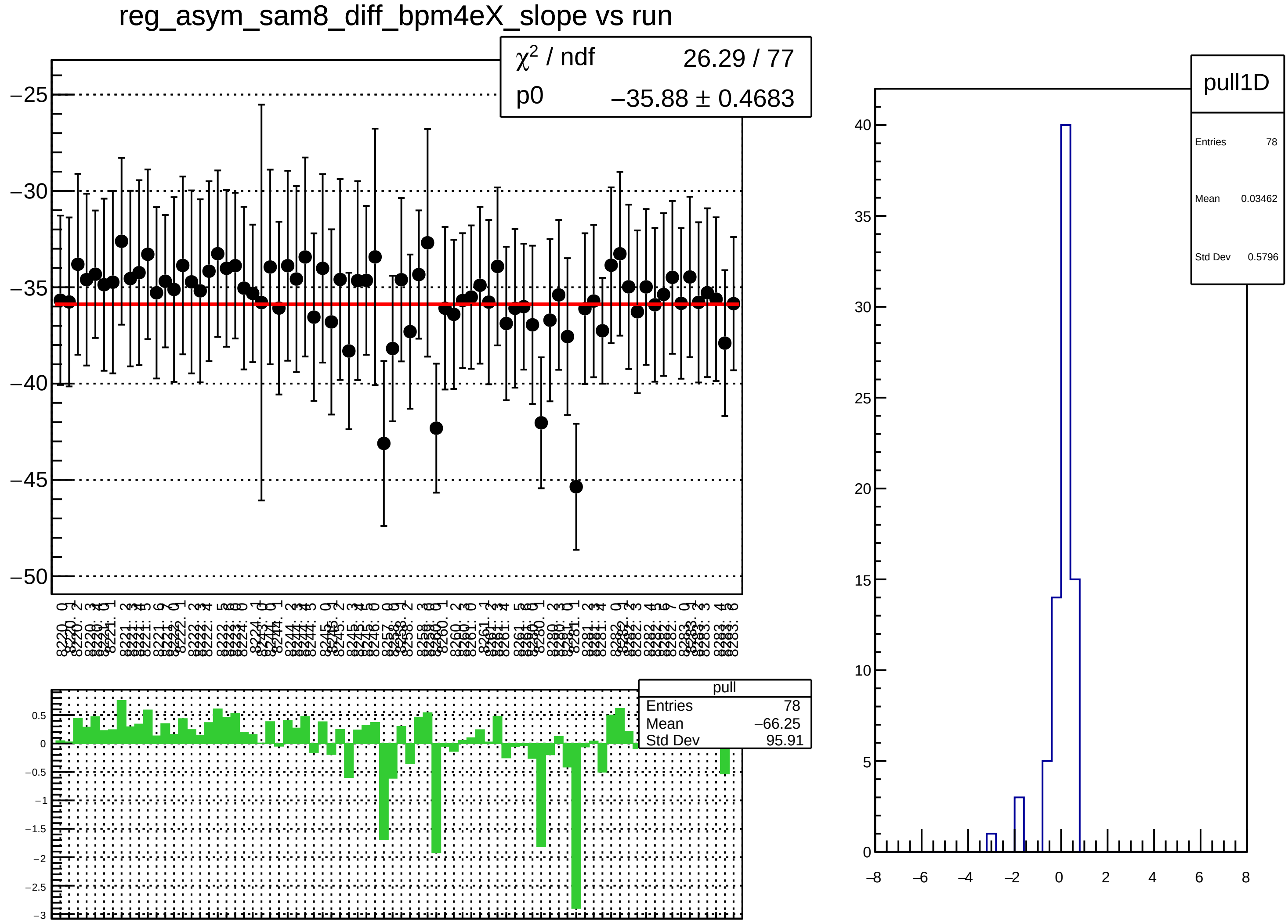


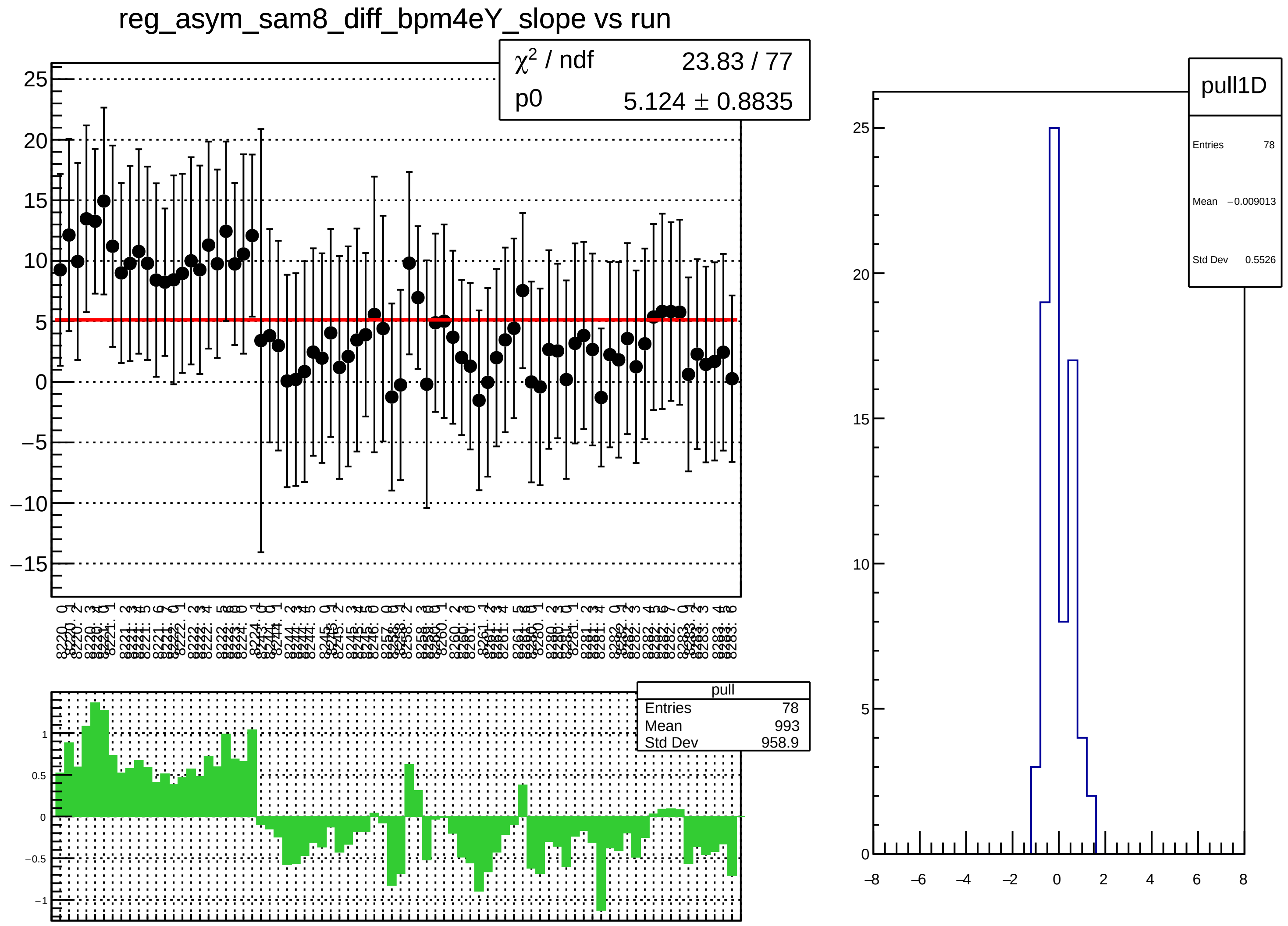
reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 37.03 / 77
p0 0.8152 ± 0.08936
pull
Entries 78
Mean 100.5
Std Dev 57.61
pull1D
Entries 78
Mean 0.08439
Std Dev 0.6839



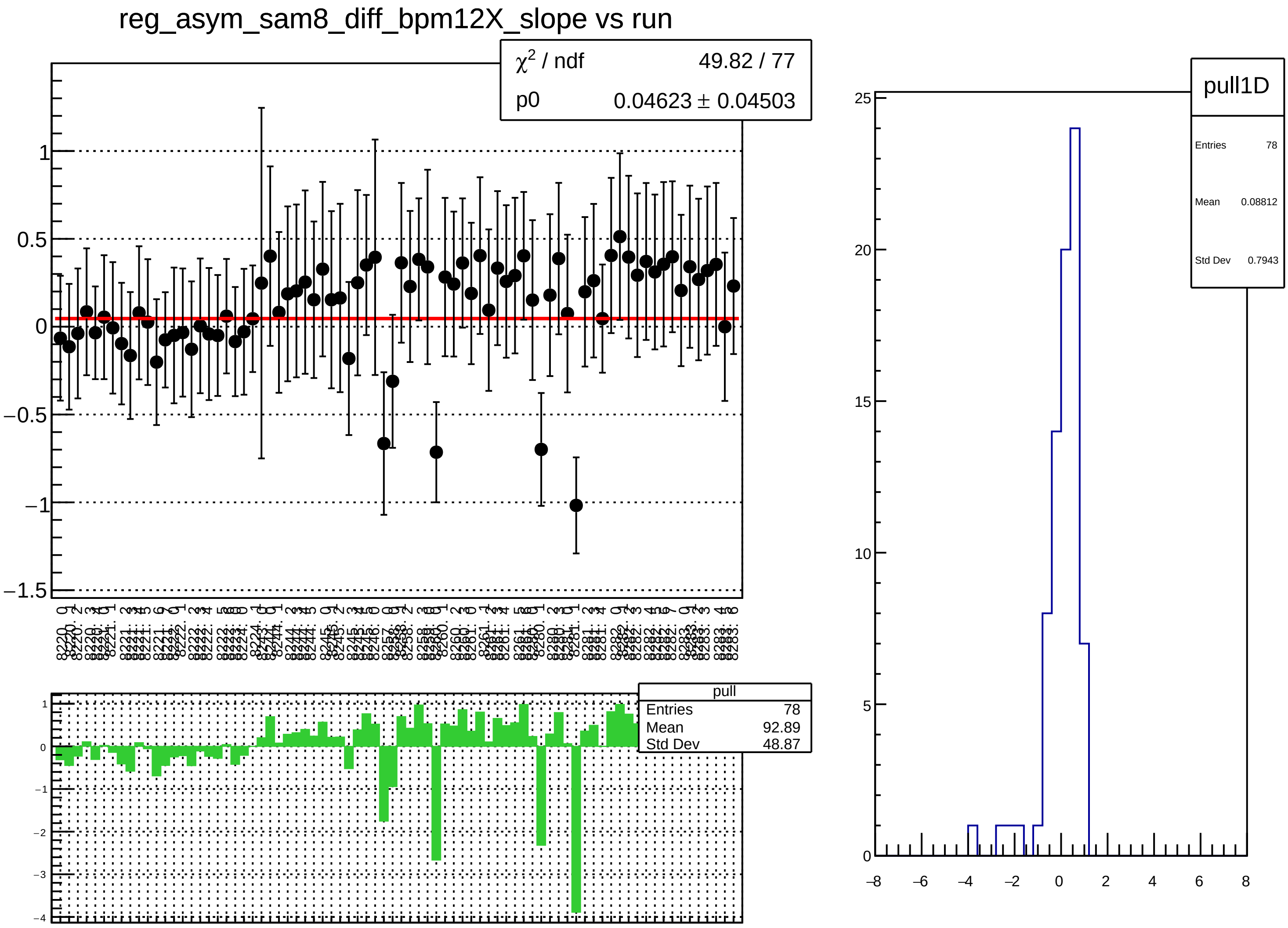
reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 20.89 / 77
p0 15.57 ± 0.4242
pull
Entries 78
Mean −87.8
Std Dev 118.7
pull1D
Entries 78
Mean −0.03791
Std Dev 0.5161

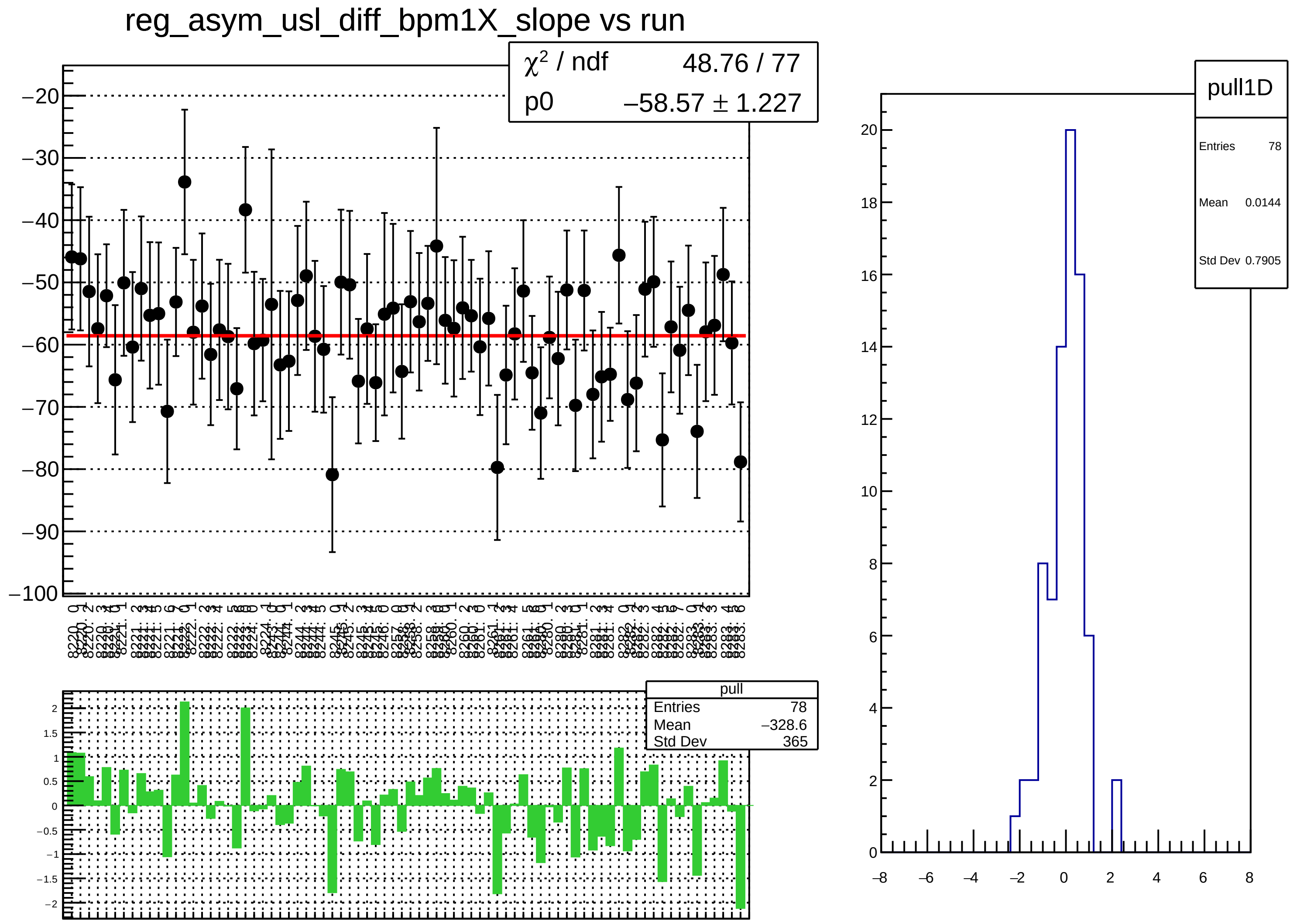

reg_asym_sam8_diff_bpm4aY_slope vs run
χ2 / ndf 27.07 / 77
p0 −7.563 ± 0.8395
15
10
5
0
−5
−10
−15
−20
−25
pull
Entries 78
Mean 574.3
Std Dev 540.1
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean 0.01741
Std Dev 0.5888
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

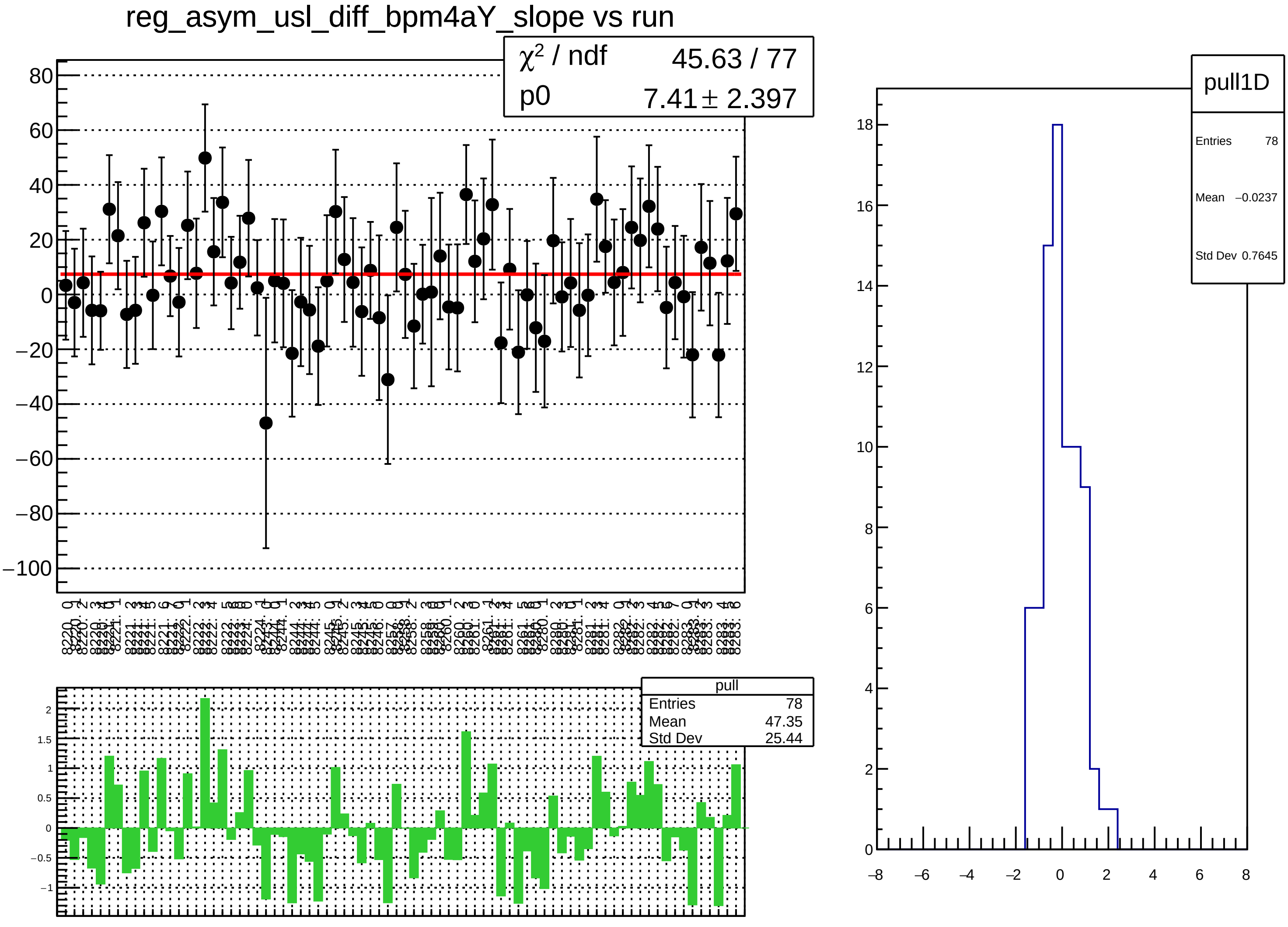

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 26.29 / 77
p0 −35.88 ± 0.4683
−25
−30
−35
−40
−45
−50
pull
Entries 78
Mean −66.25
Std Dev 95.91
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 78
Mean 0.03462
Std Dev 0.5796
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



reg_asym_sam8_diff_bpm4eY_slope vs run
χ2 / ndf 23.83 / 77
p0 5.124 ± 0.8835
pull
Entries 78
Mean 993
Std Dev 958.9
pull1D
Entries 78
Mean −0.009013
Std Dev 0.5526

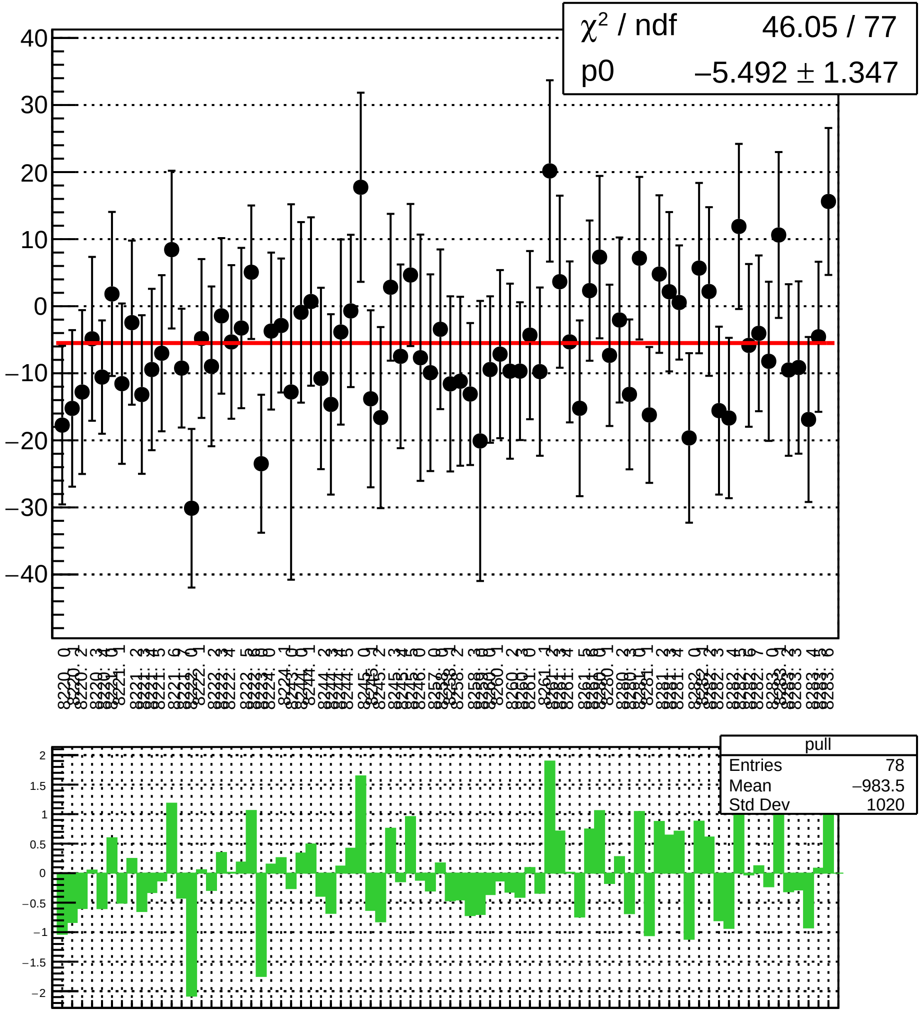

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 49.82 / 77
p0 0.04623 ± 0.04503
pull
Entries 78
Mean 92.89
Std Dev 48.87
pull1D
Entries 78
Mean 0.08812
Std Dev 0.7943

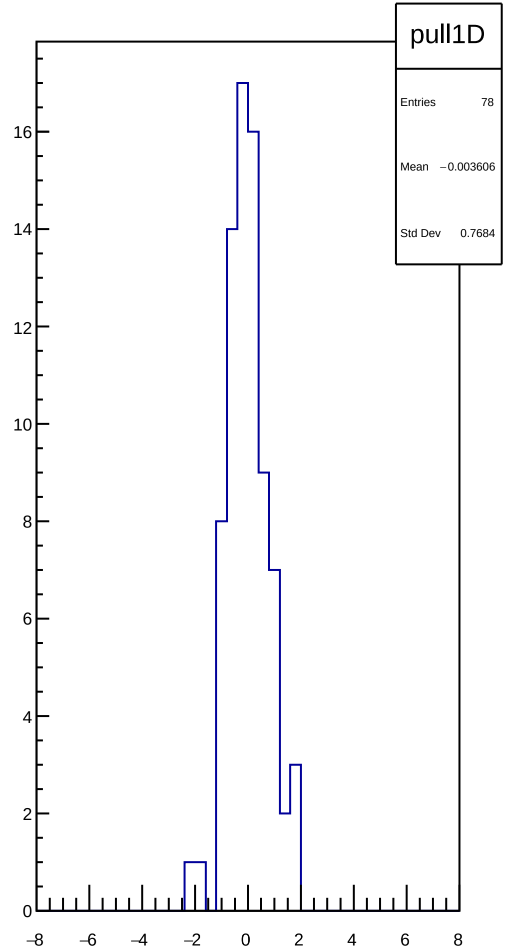

reg_asym_usl_diff_bpm1X_slope vs run
χ^2 / ndf 48.76 / 77
p0 −58.57 ± 1.227
pull
Entries 78
Mean −328.6
Std Dev 365
pull1D
Entries 78
Mean 0.0144
Std Dev 0.7905

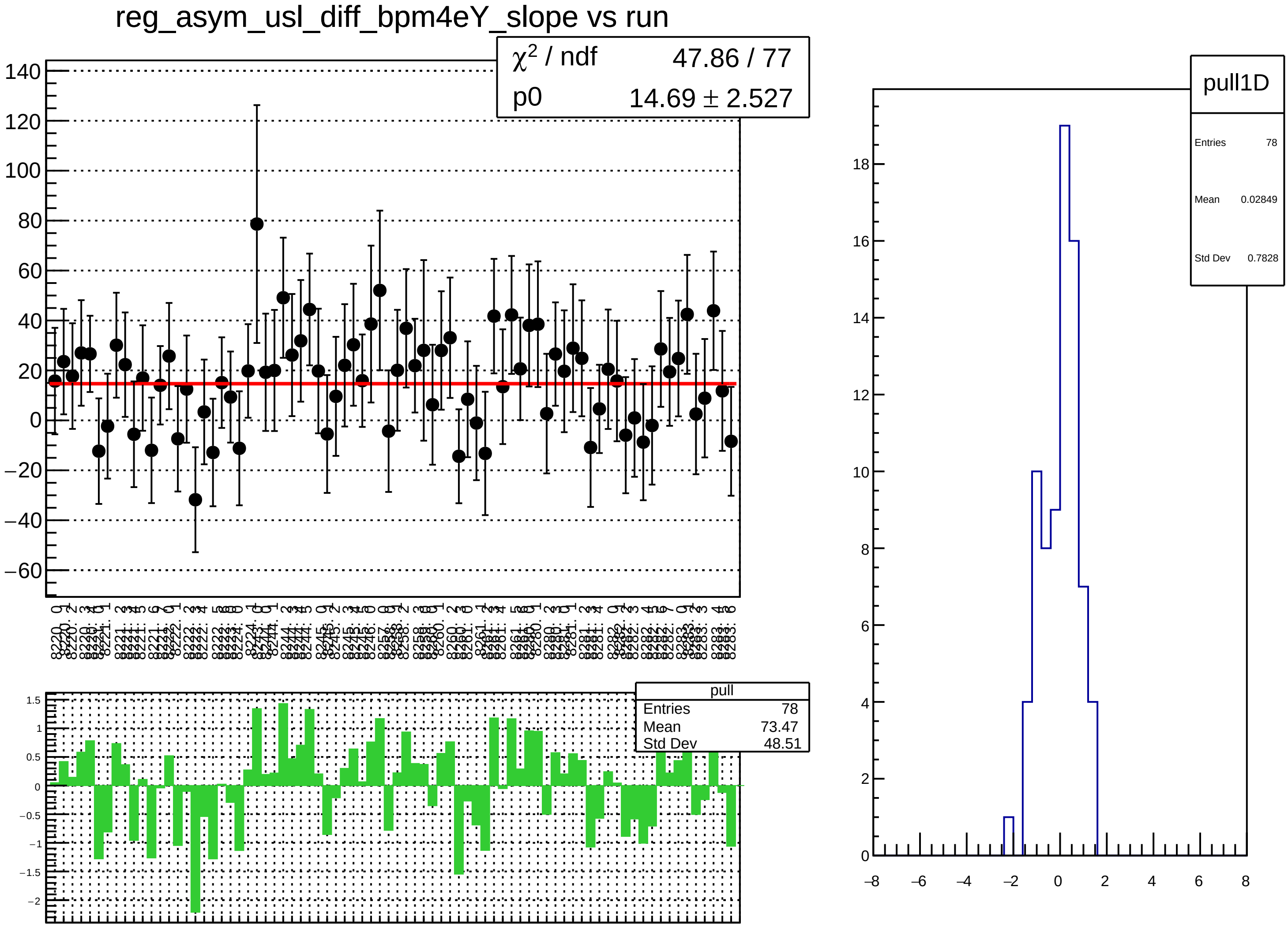


reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 45.63 / 77
p0 7.41 ± 2.397
pull
Entries 78
Mean 47.35
Std Dev 25.44
pull1D
Entries 78
Mean −0.0237
Std Dev 0.7645

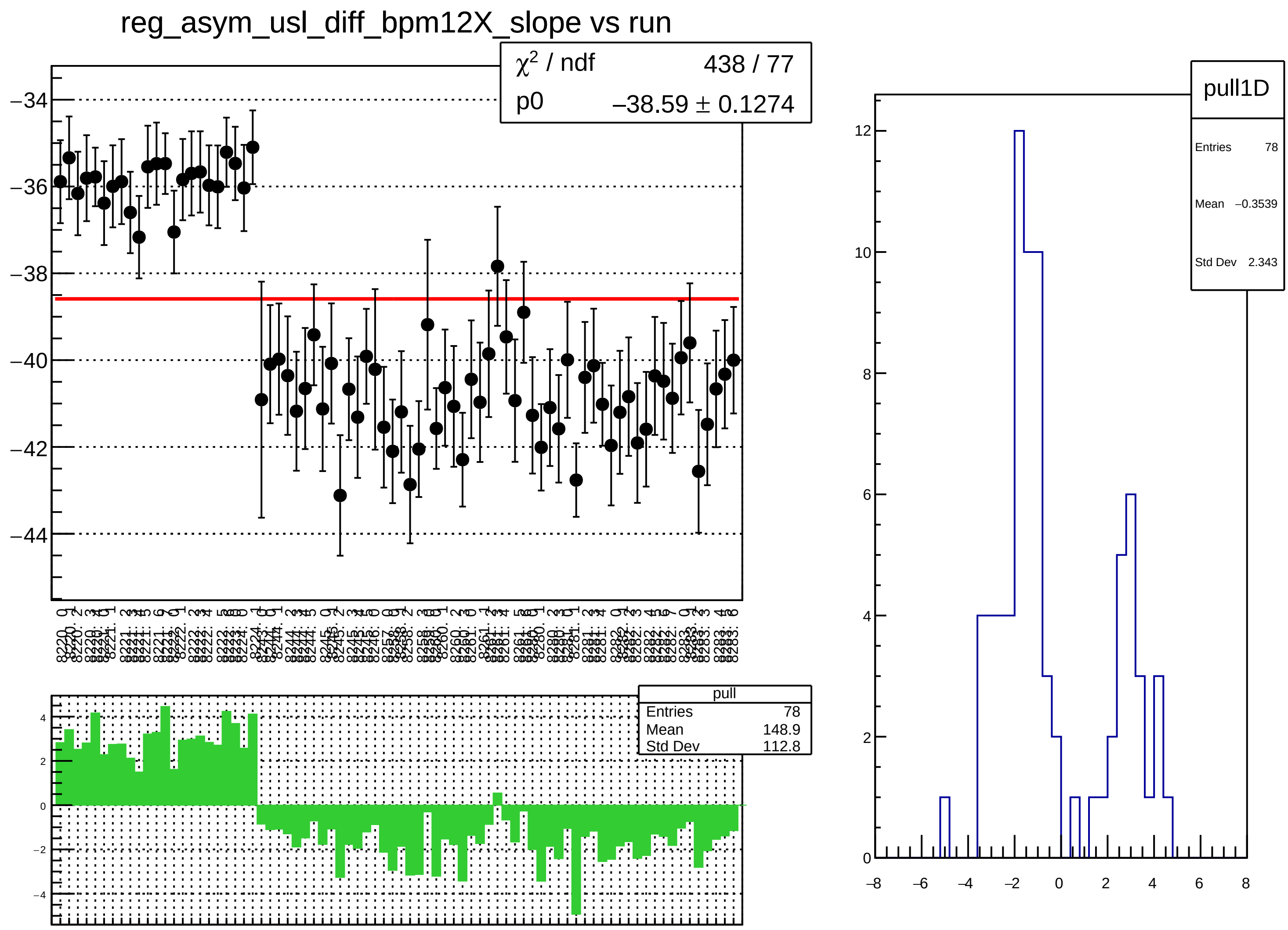
reg_asym_usl_diff_bpm4eX_slope vs run

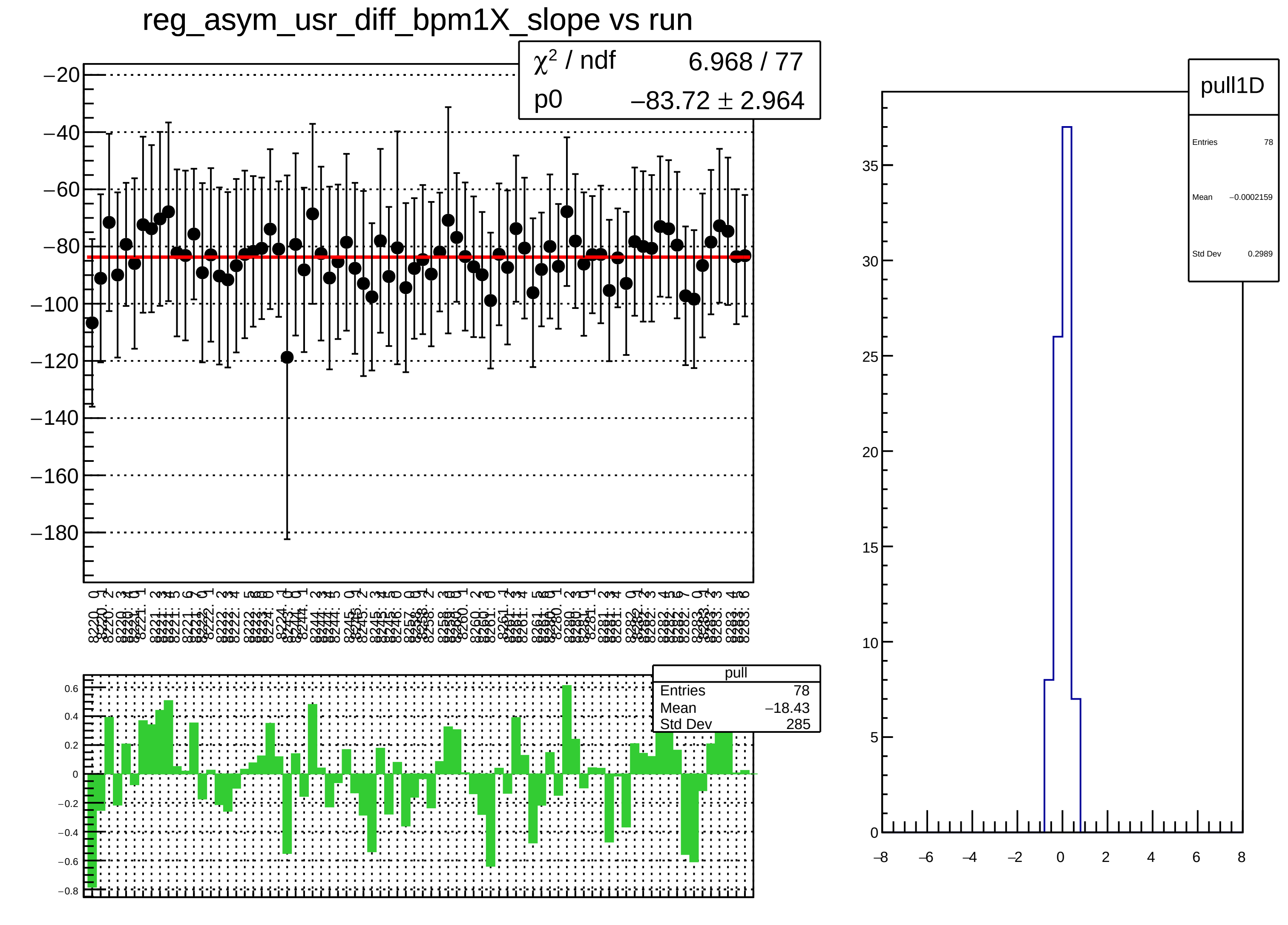




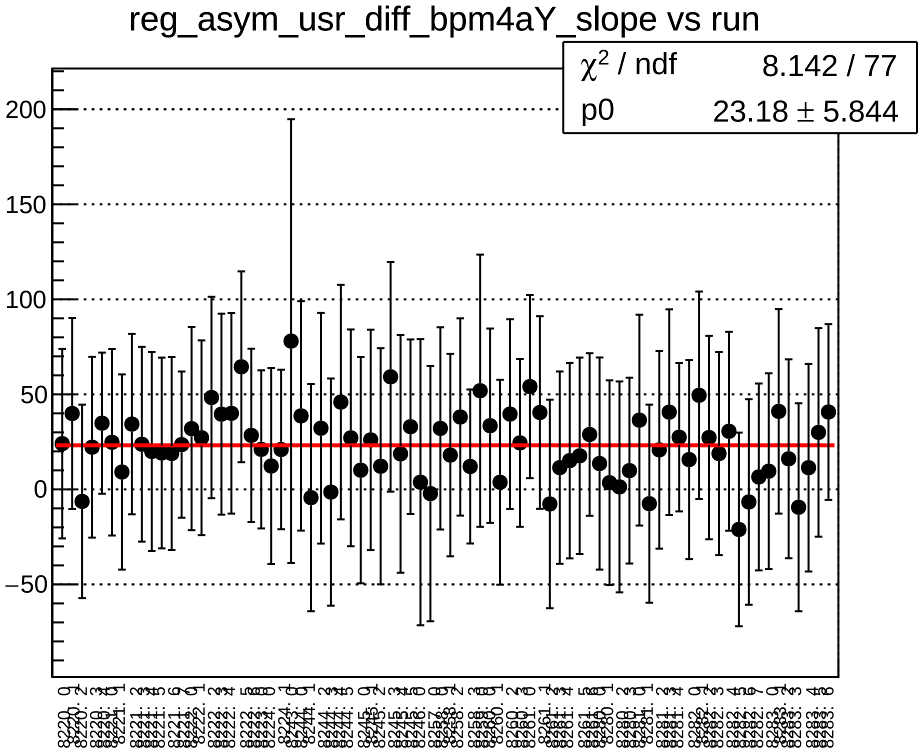


reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 47.86 / 77
p0 14.69 ± 2.527
pull
Entries 78
Mean 73.47
Std Dev 48.51
pull1D
Entries 78
Mean 0.02849
Std Dev 0.7828

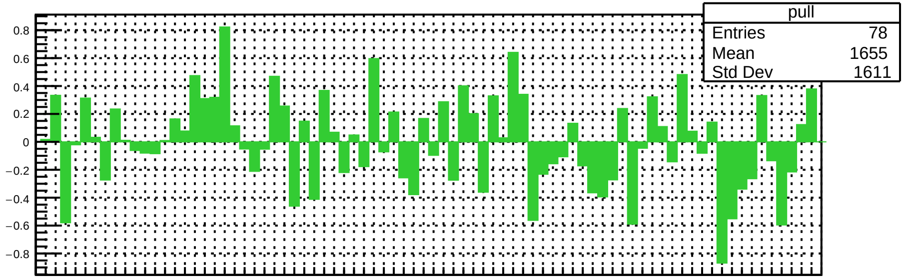

reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 438 / 77
p0 −38.59 ± 0.1274
pull
Entries 78
Mean 148.9
Std Dev 112.8
pull1D
Entries 78
Mean −0.3539
Std Dev 2.343



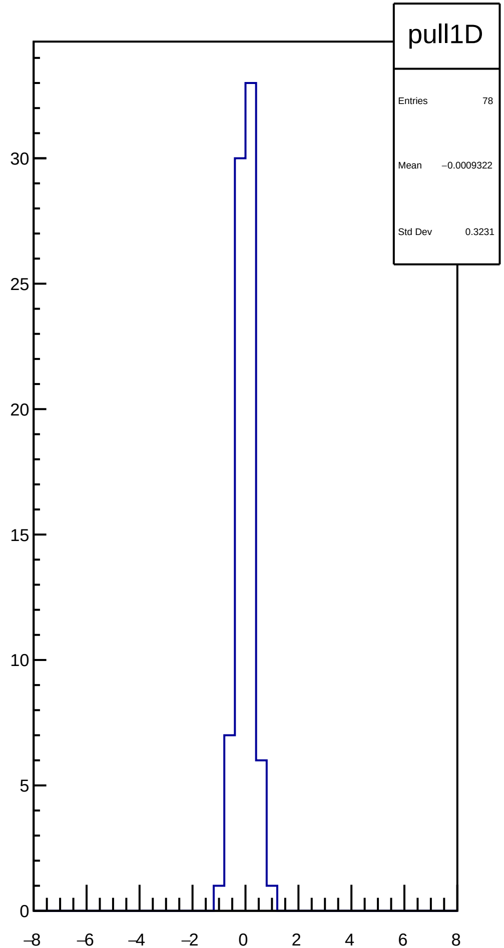
reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 6.968 / 77
p0 −83.72 ± 2.964
pull
Entries 78
Mean −18.43
Std Dev 285
pull1D
Entries 78
Mean −0.0002159
Std Dev 0.2989



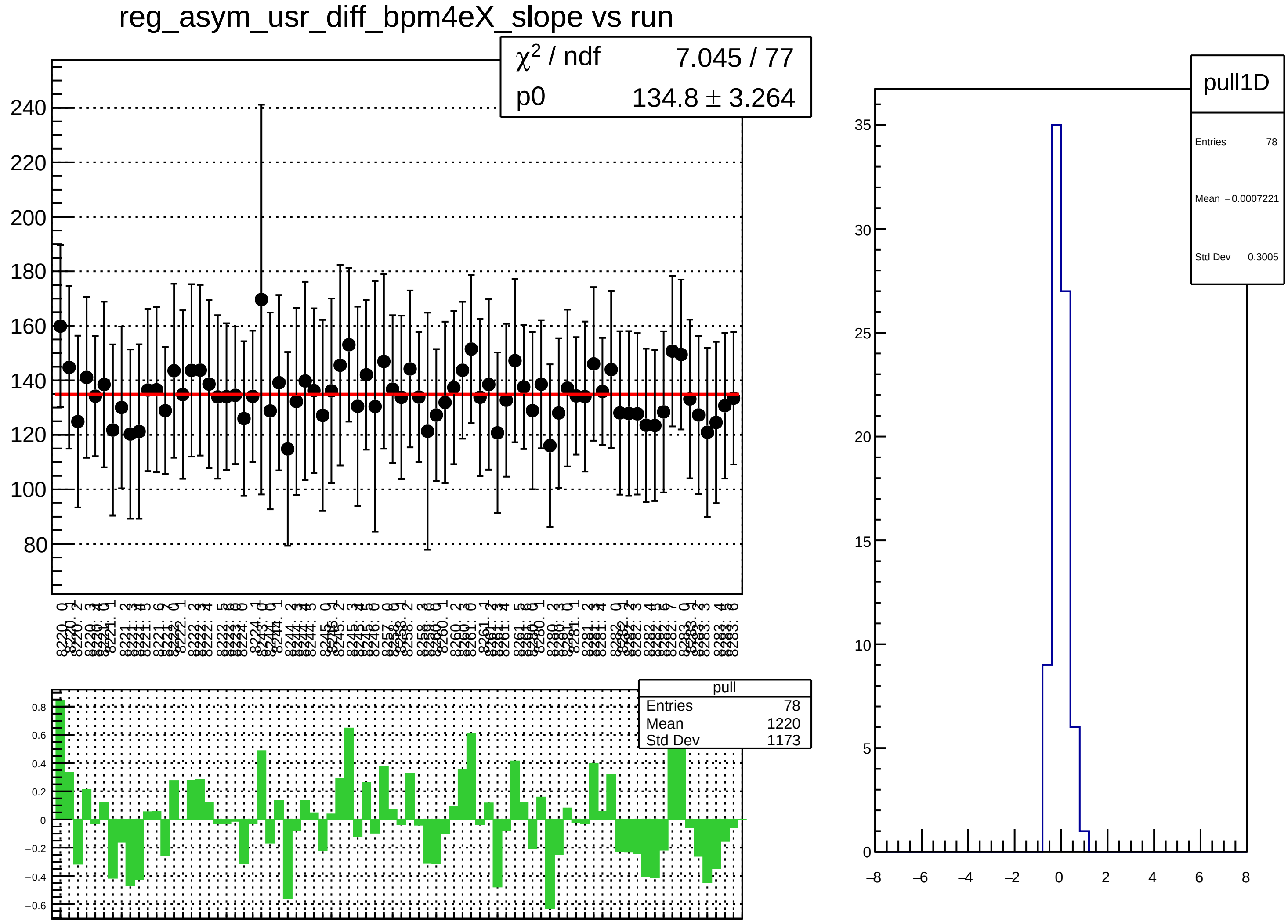
reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 8.142 / 77
p0 23.18 ± 5.844
200
150
100
50
0
−50



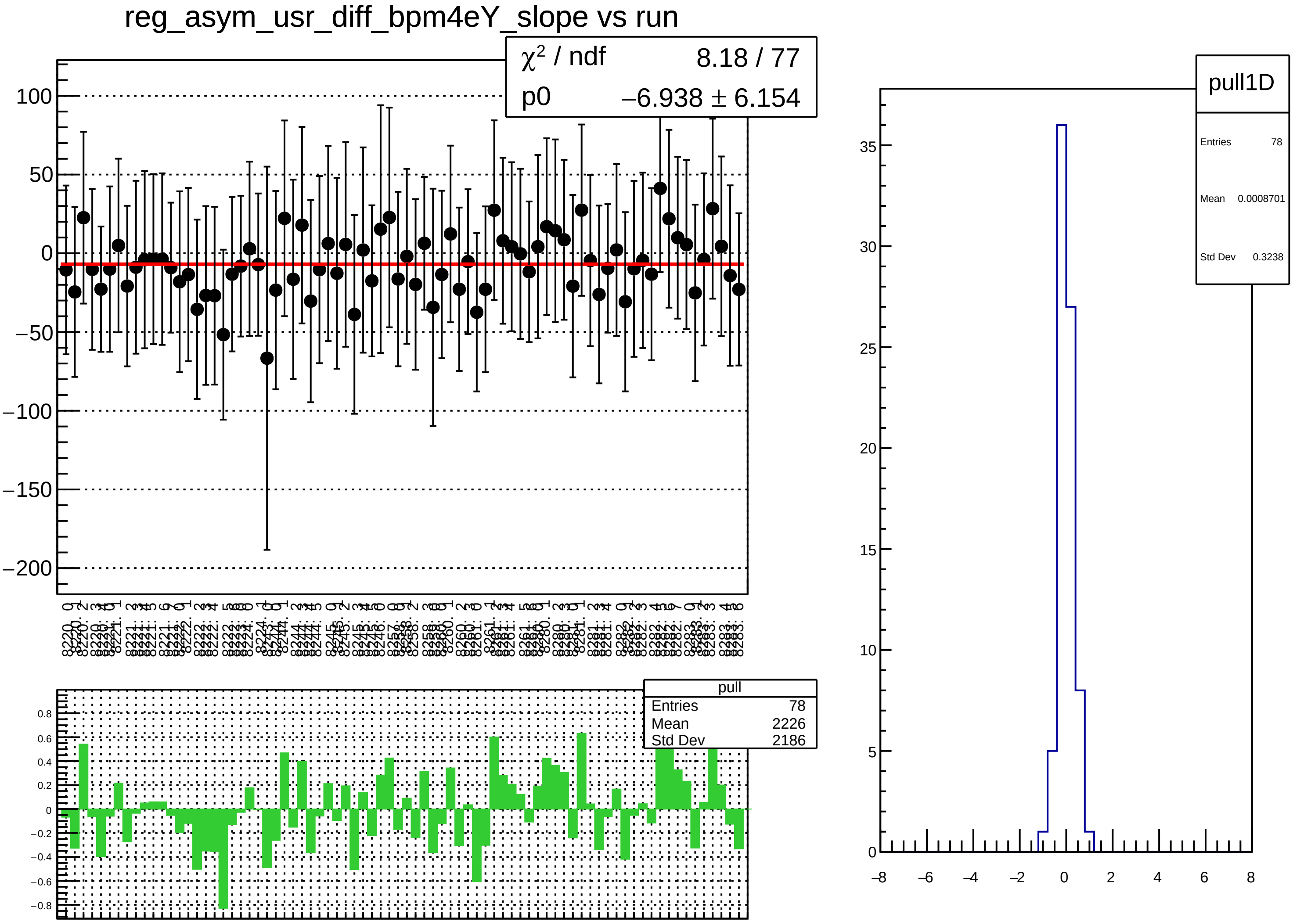
pull
Entries 78
Mean 1655
Std Dev 1611
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

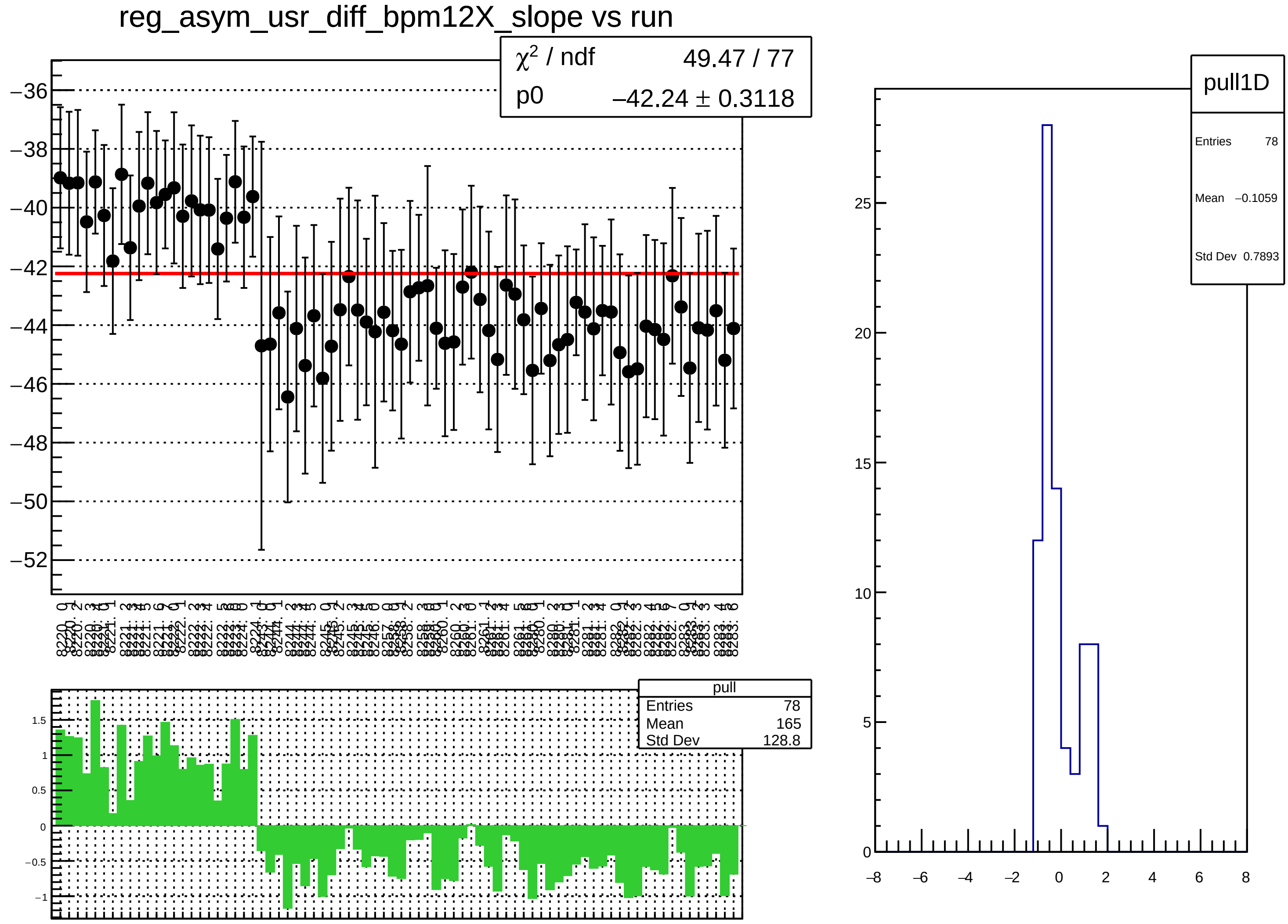


pull1D
Entries 78
Mean −0.0009322
Std Dev 0.3231
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

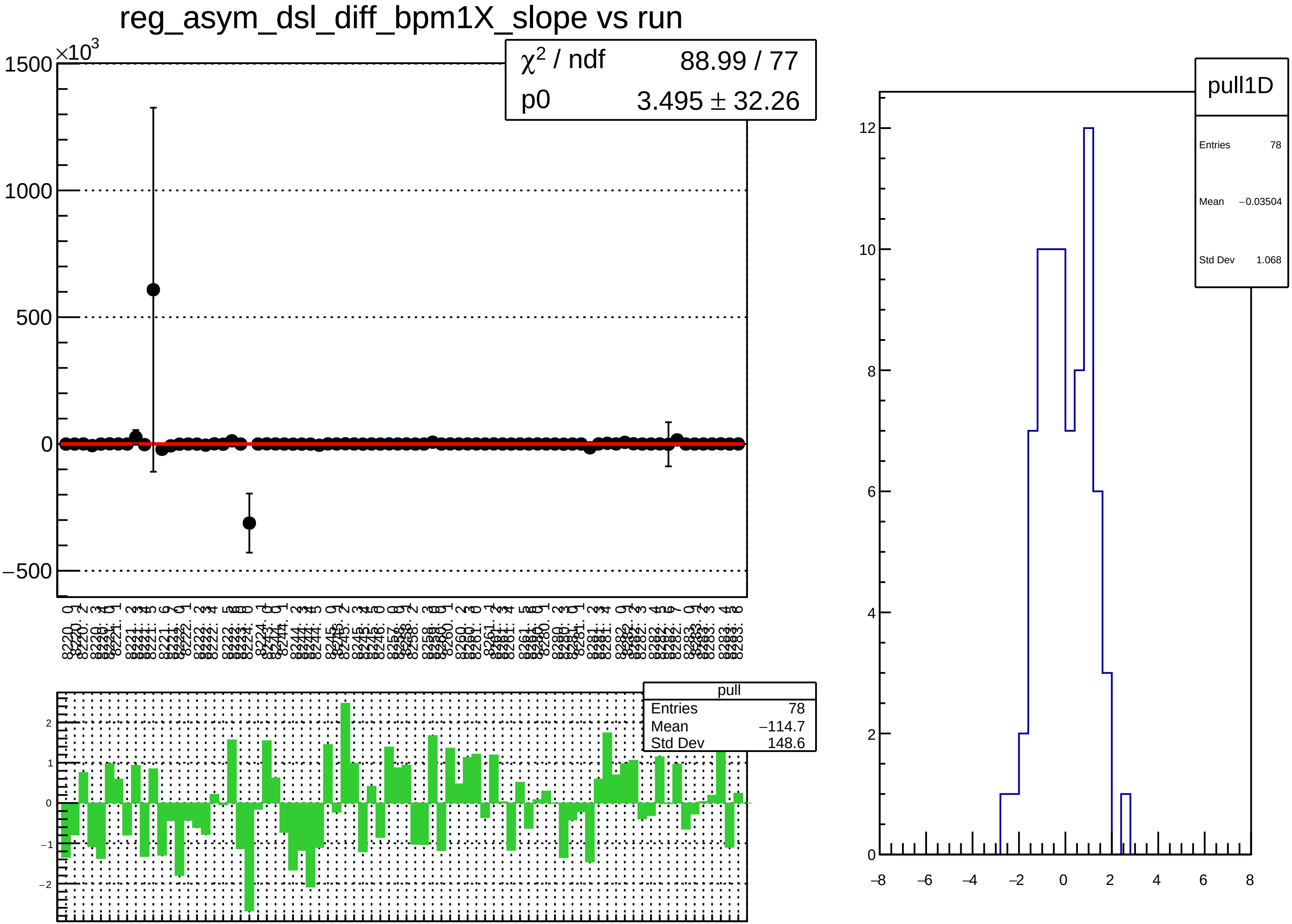


reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 7.045 / 77
p0 134.8 ± 3.264
pull
Entries 78
Mean 1220
Std Dev 1173
pull1D
Entries 78
Mean −0.0007221
Std Dev 0.3005

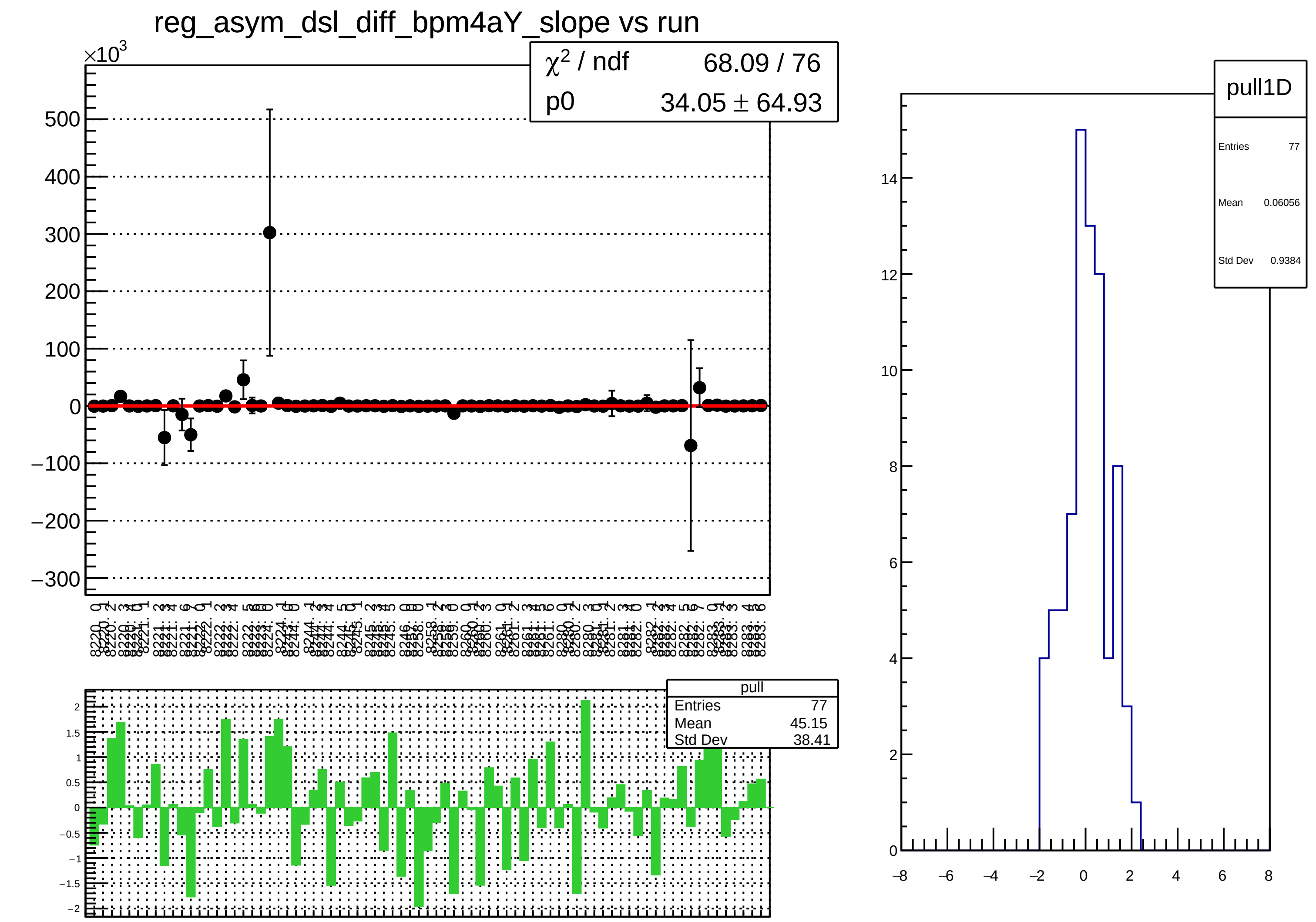

reg_asym_usr_diff_bpm4eY_slope vs run
χ2 / ndf 8.18 / 77
p0 −6.938 ± 6.154
pull
Entries 78
Mean 2226
Std Dev 2186
pull1D
Entries 78
Mean 0.0008701
Std Dev 0.3238



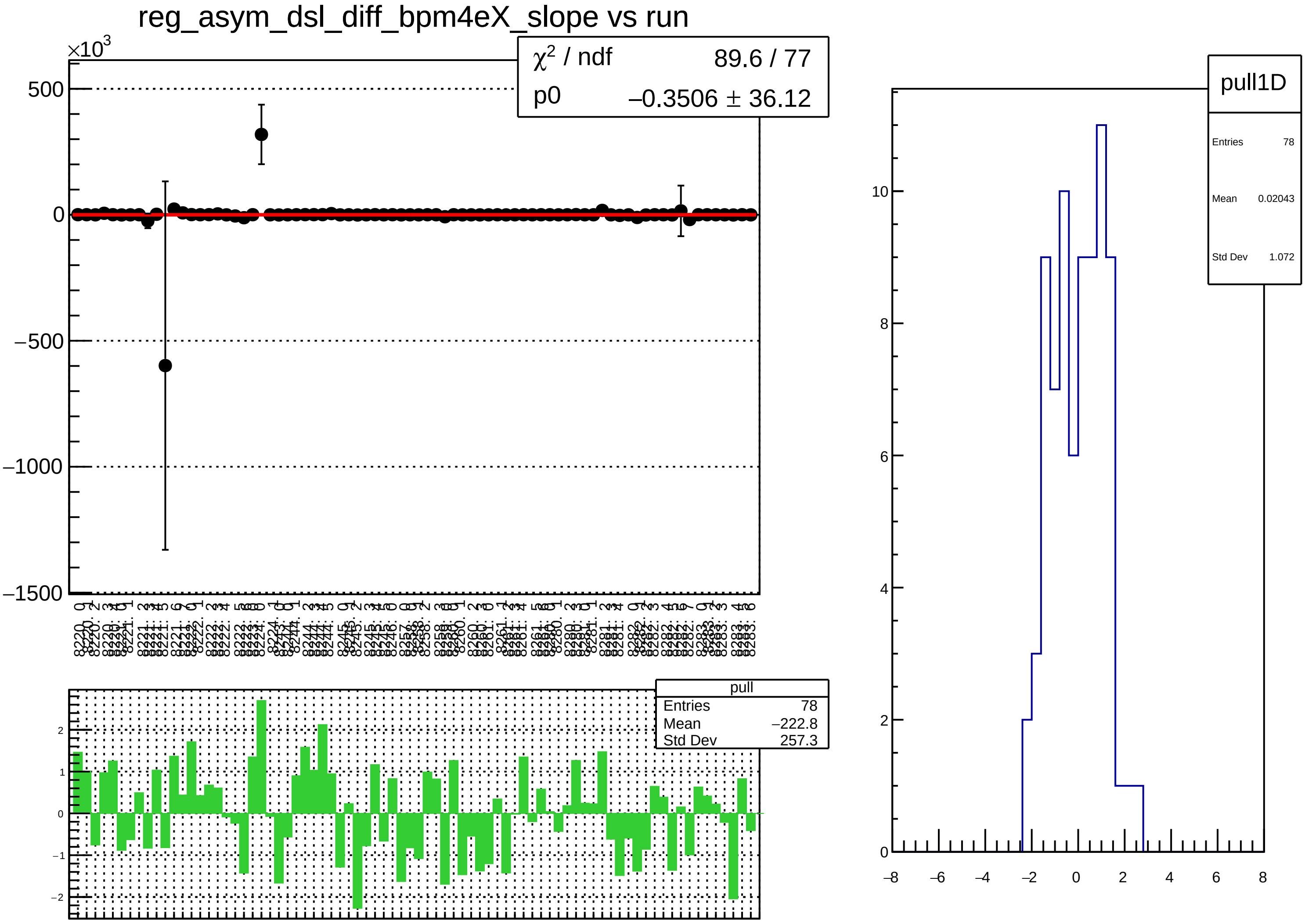
reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 49.47 / 77
p0 −42.24 ± 0.3118
pull
Entries 78
Mean 165
Std Dev 128.8
pull1D
Entries 78
Mean −0.1059
Std Dev 0.7893

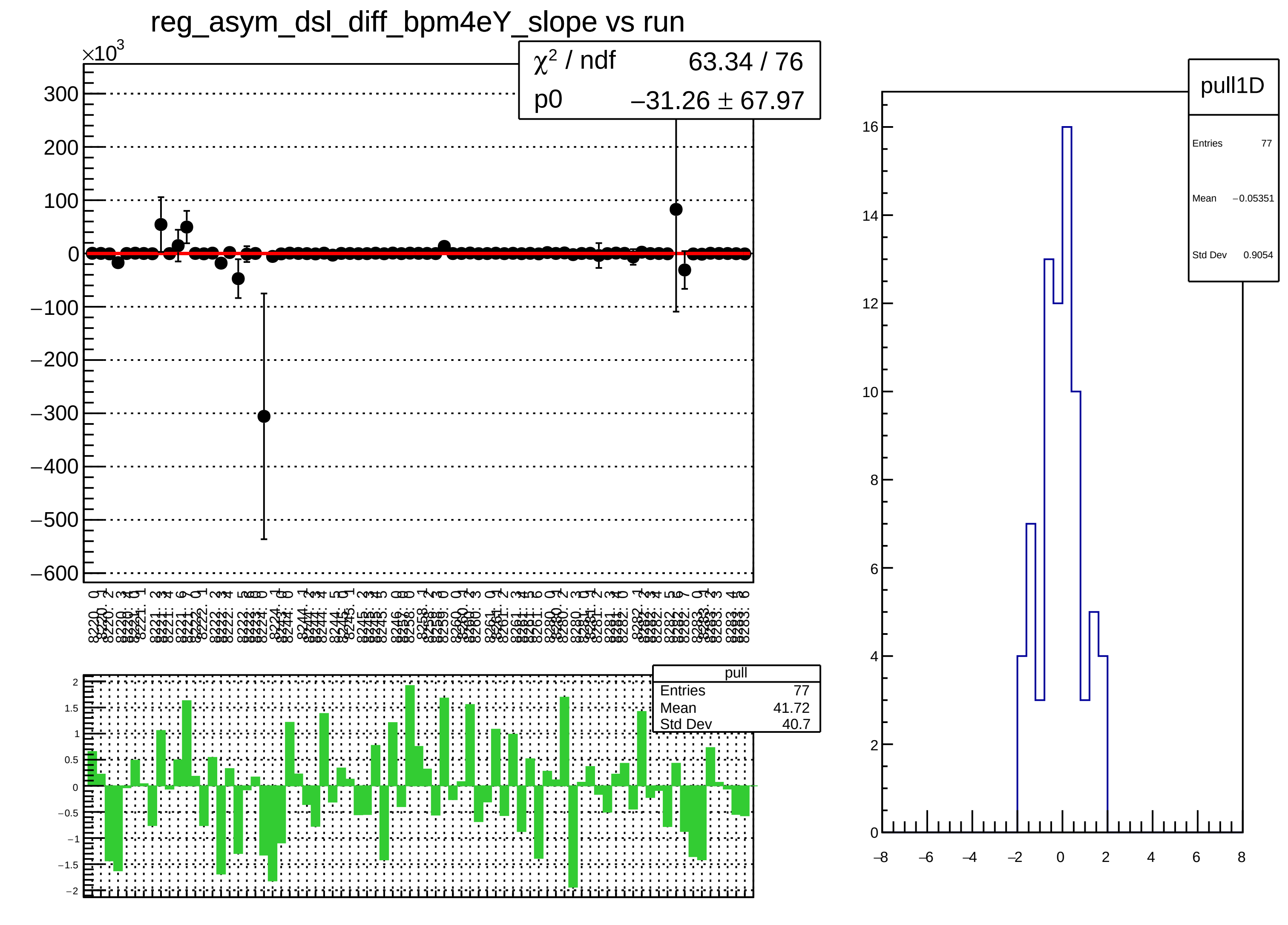


reg_asym_dsl_diff_bpm1X_slope vs run
χ^2 / ndf 88.99 / 77
p0 3.495 ± 32.26
pull
Entries 78
Mean −114.7
Std Dev 148.6
pull1D
Entries 78
Mean −0.03504
Std Dev 1.068

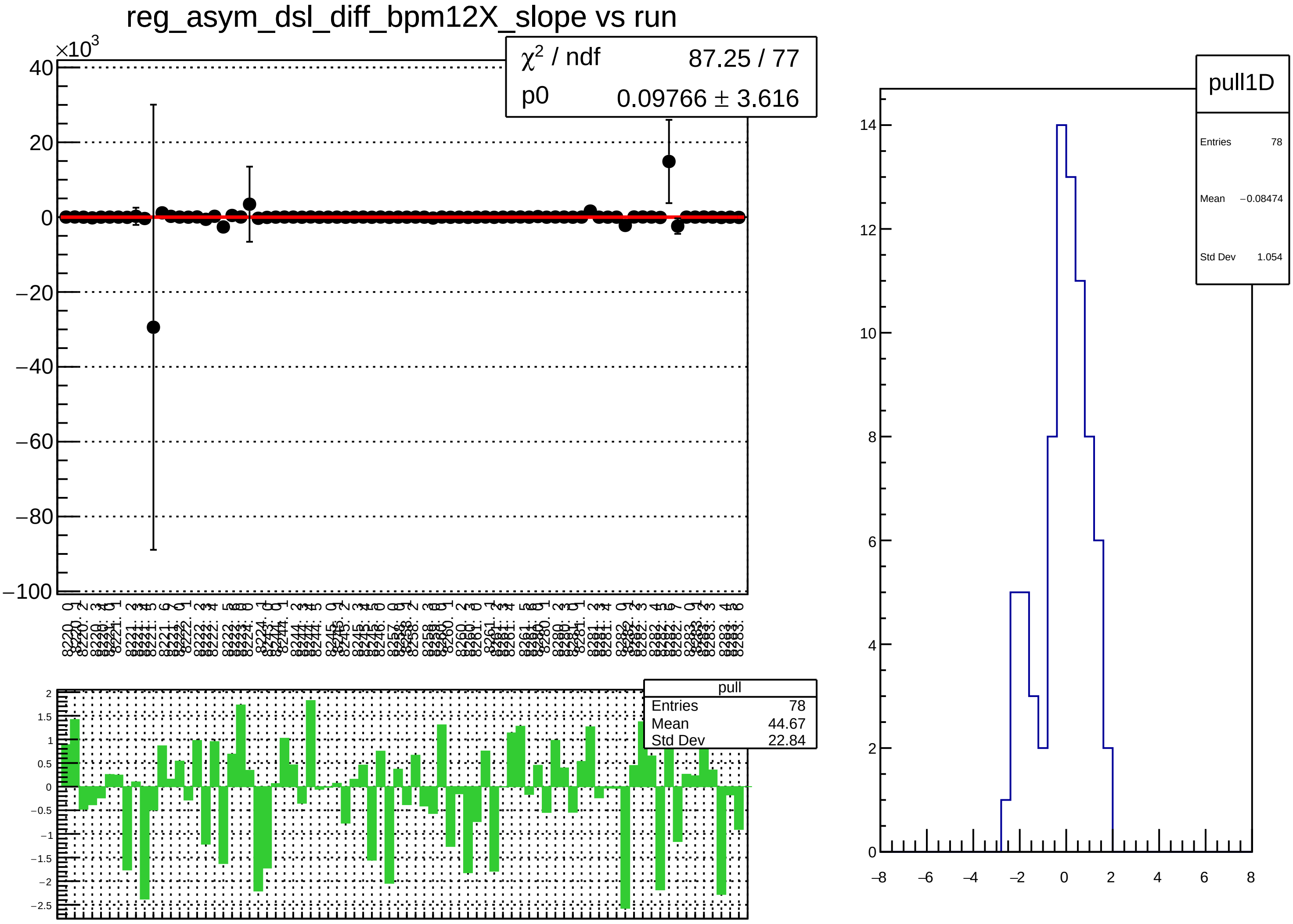


reg_asym_dsl_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 68.09 / 76
p0 34.05 ± 64.93
500
400
300
200
100
0
−100
−200
−300
pull
Entries 77
Mean 45.15
Std Dev 38.41
pull1D
Entries 77
Mean 0.06056
Std Dev 0.9384

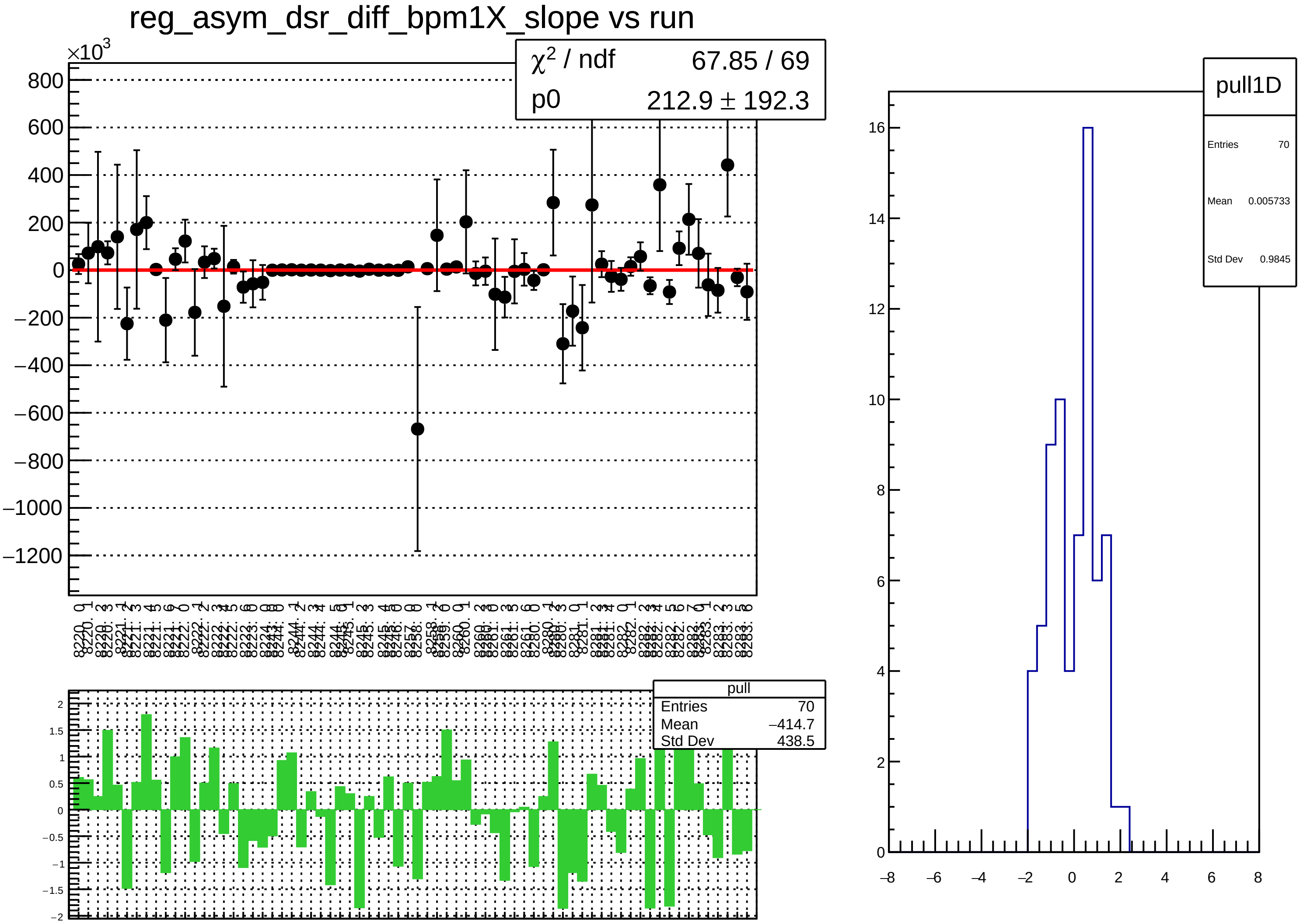

reg_asym_dsl_diff_bpm4eX_slope vs run
$\times 10^3$
χ^2 / ndf 89.6 / 77
p0 −0.3506 ± 36.12
500
0
−500
−1000
−1500
pull
Entries 78
Mean −222.8
Std Dev 257.3
pull1D
Entries 78
Mean 0.02043
Std Dev 1.072



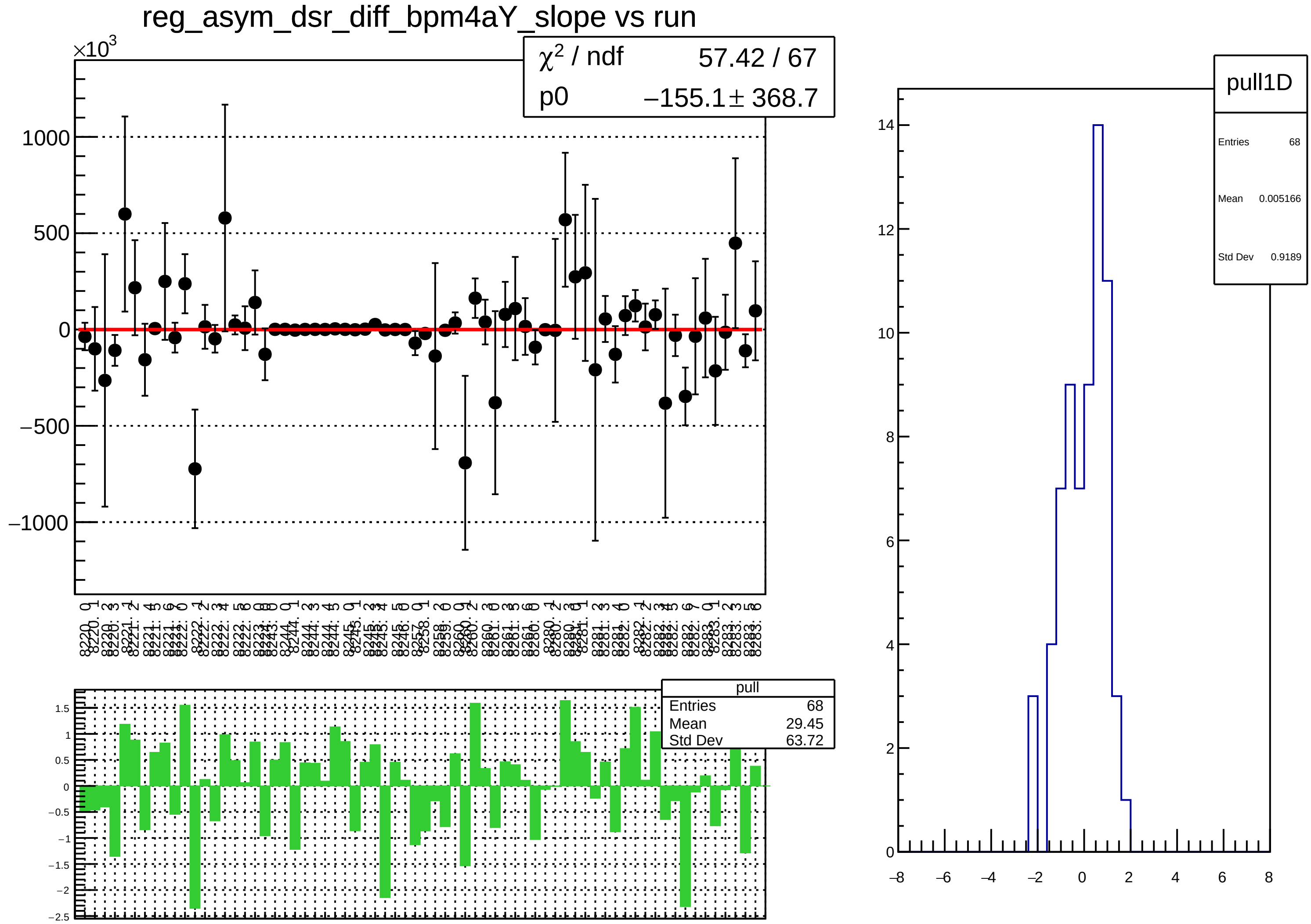
reg_asym_dsl_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 63.34 / 76
p0 −31.26 ± 67.97
pull
Entries 77
Mean 41.72
Std Dev 40.7
pull1D
Entries 77
Mean −0.05351
Std Dev 0.9054

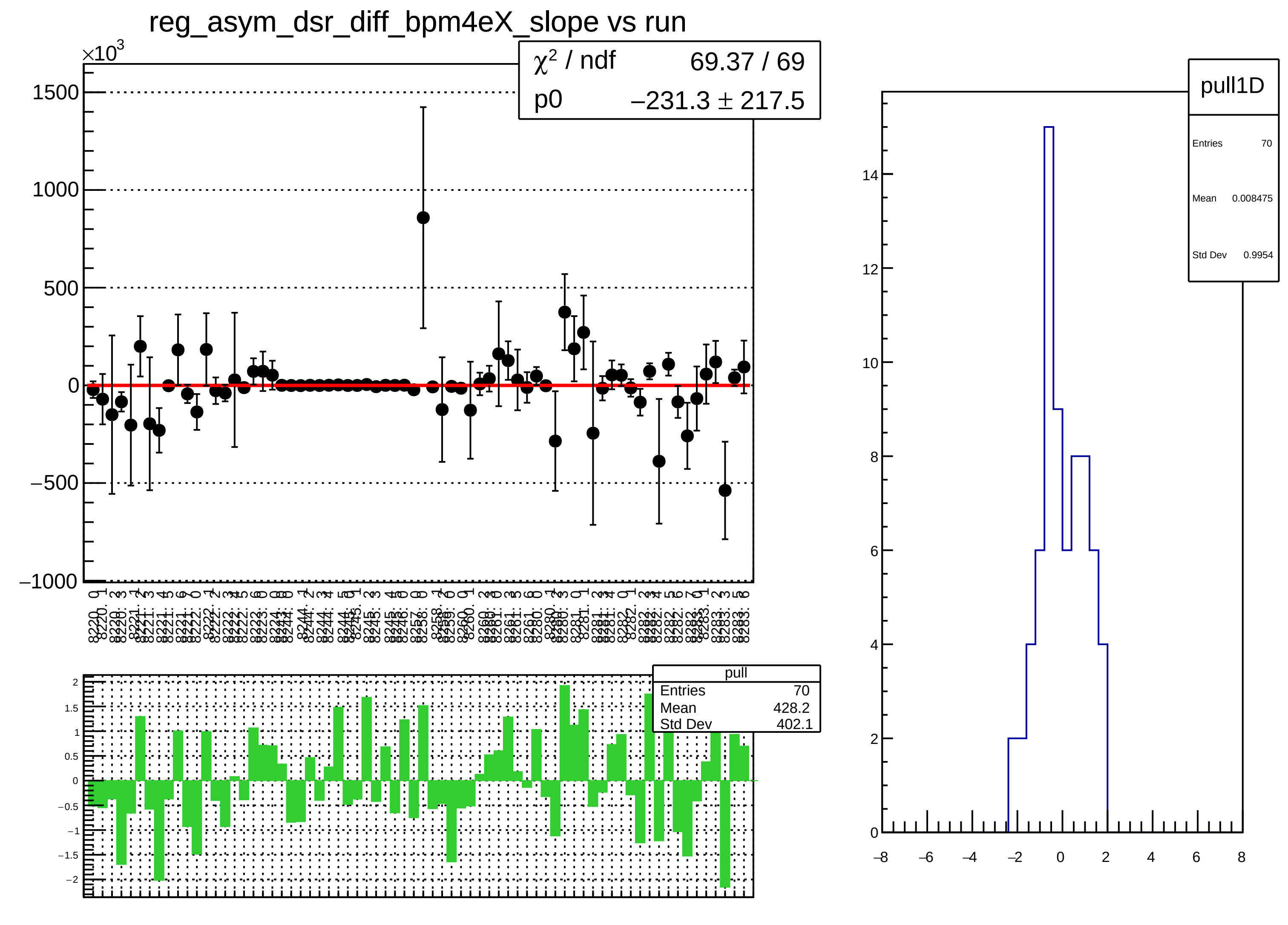


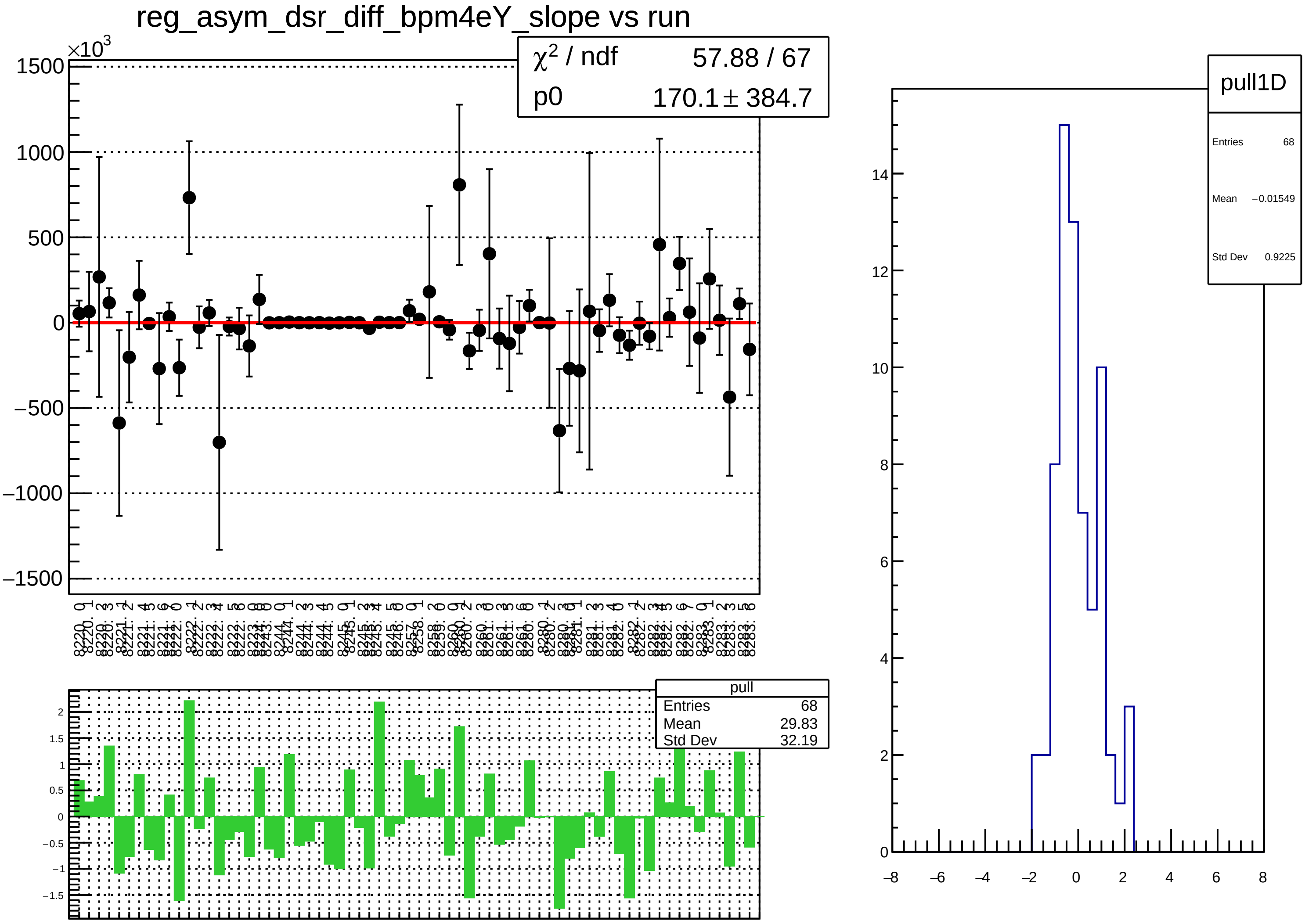
reg_asym_dsl_diff_bpm12X_slope vs run
χ2 / ndf 87.25 / 77
p0 0.09766 ± 3.616
×10^3
pull
Entries 78
Mean 44.67
Std Dev 22.84
pull1D
Entries 78
Mean −0.08474
Std Dev 1.054



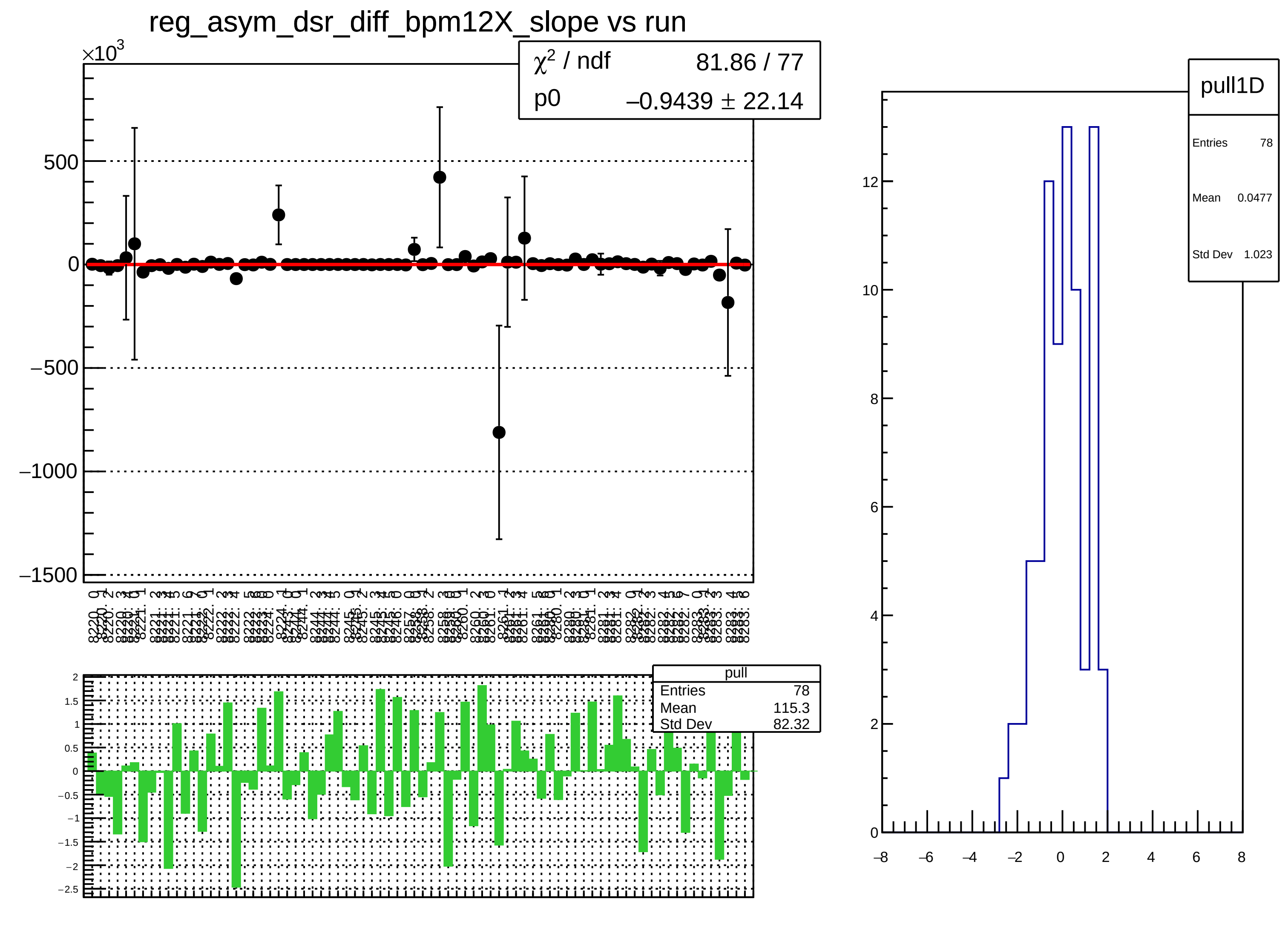
reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ2 / ndf 67.85 / 69
p0 212.9 ± 192.3
pull
Entries 70
Mean −414.7
Std Dev 438.5
pull1D
Entries 70
Mean 0.005733
Std Dev 0.9845


reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 57.42 / 67
p0 −155.1 ± 368.7
pull1D
Entries 68
Mean 0.005166
Std Dev 0.9189
pull
Entries 68
Mean 29.45
Std Dev 63.72

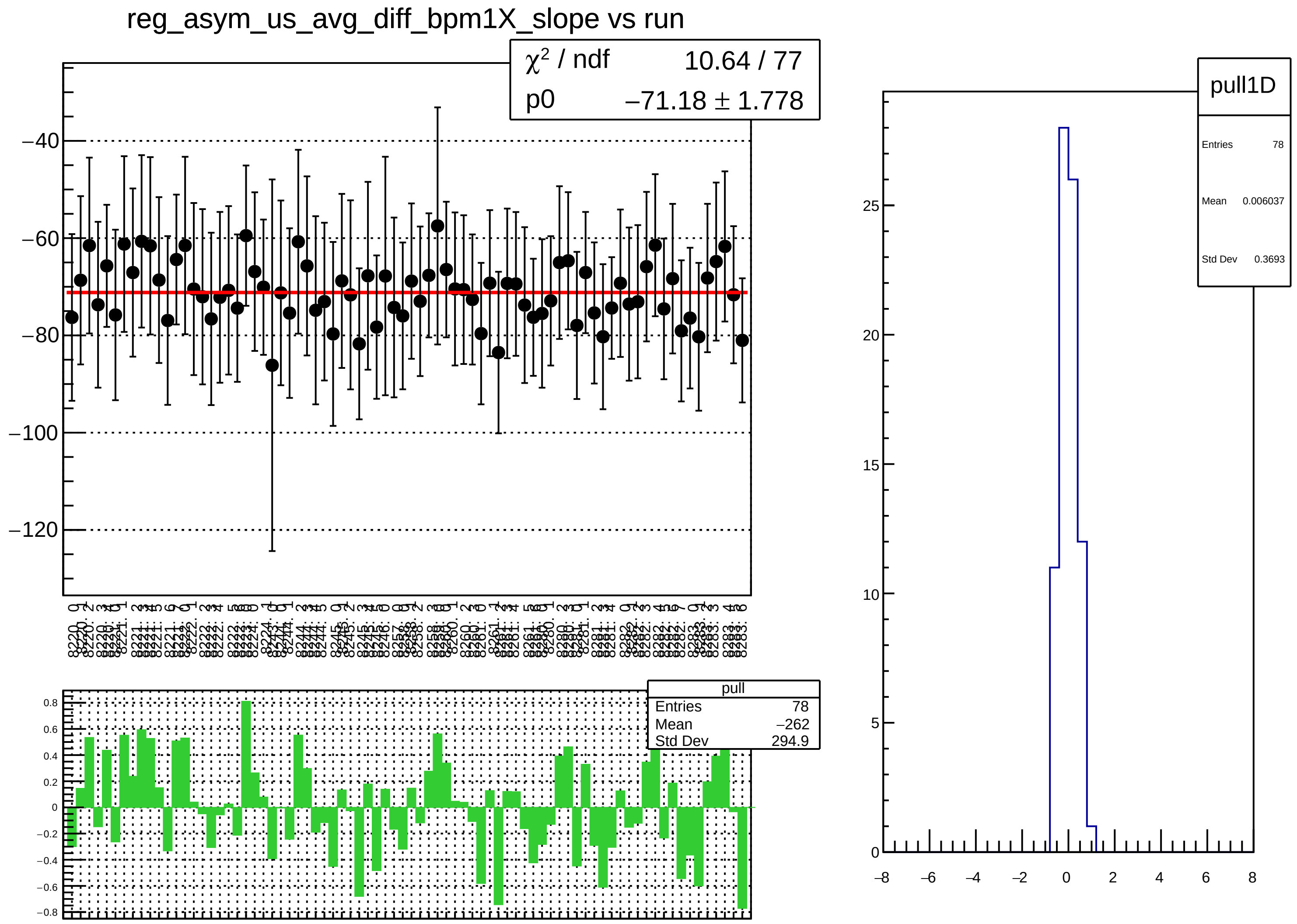

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 69.37 / 69
p0 −231.3 ± 217.5
1500
1000
500
0
−500
−1000
pull
Entries 70
Mean 428.2
Std Dev 402.1
pull1D
Entries 70
Mean 0.008475
Std Dev 0.9954



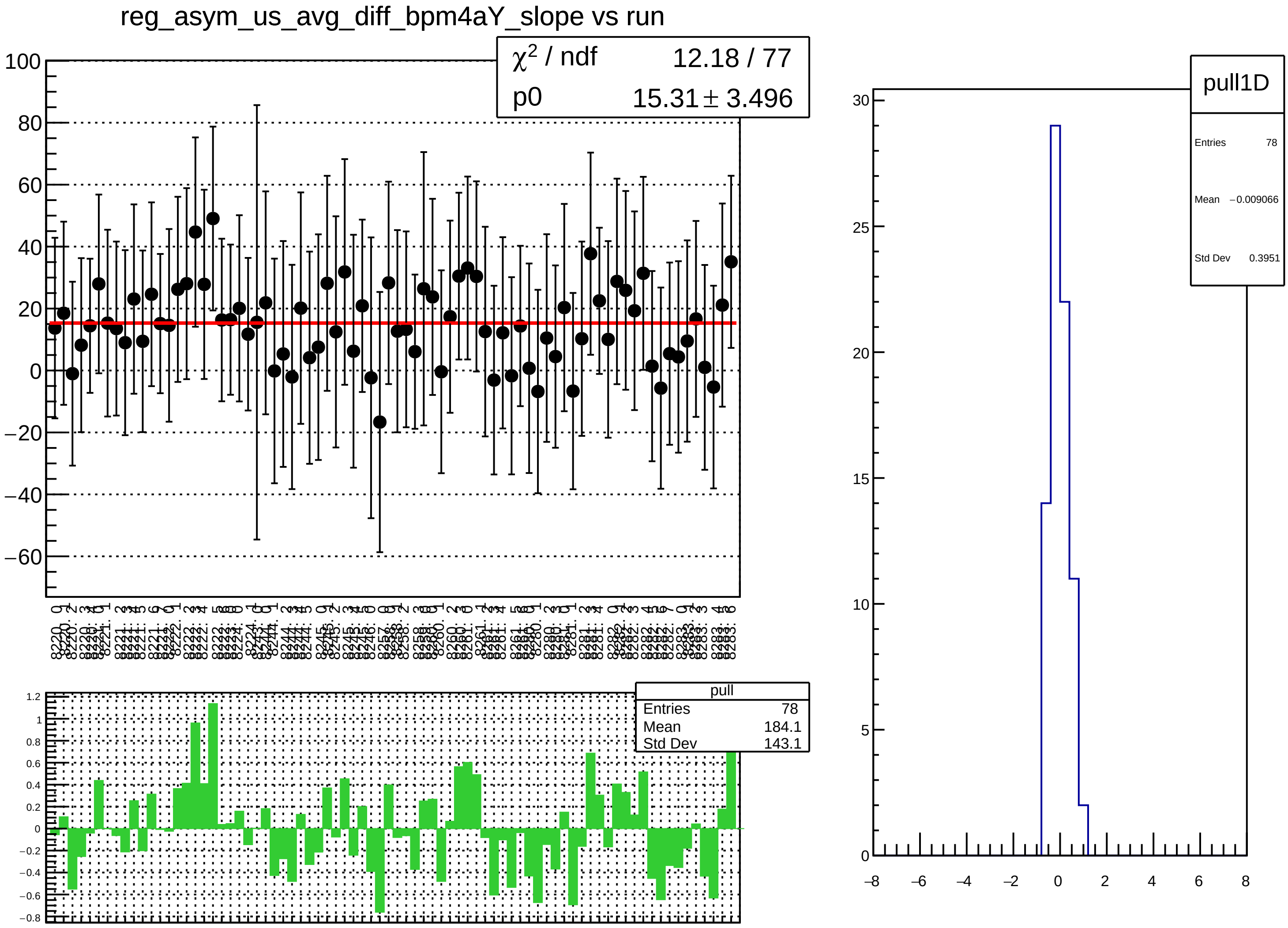
reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 57.88 / 67
p0 170.1 ± 384.7
pull
Entries 68
Mean 29.83
Std Dev 32.19
pull1D
Entries 68
Mean −0.01549
Std Dev 0.9225

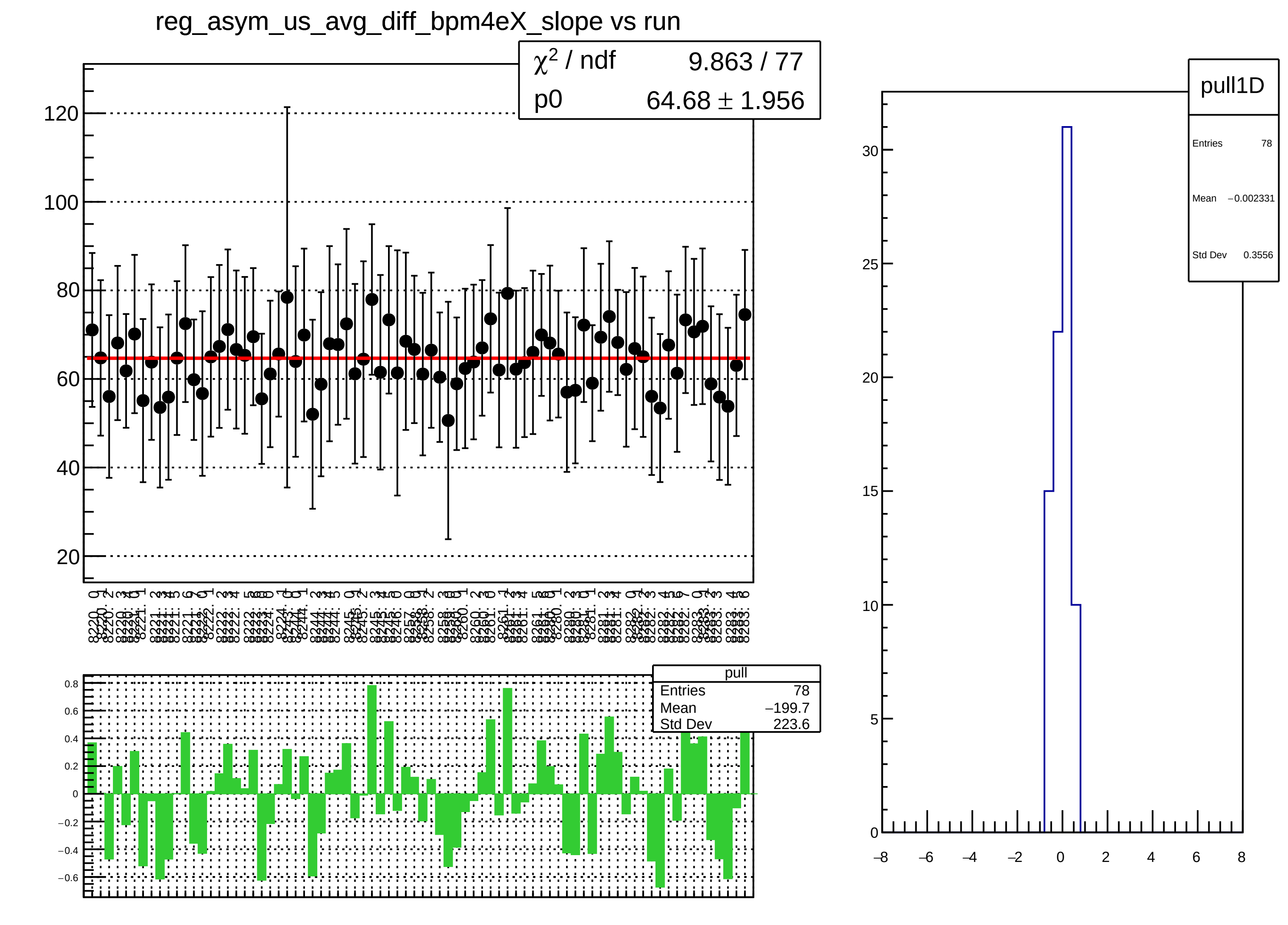


reg_asym_dsr_diff_bpm12X_slope vs run
$\times10^3$
χ^2 / ndf 81.86 / 77
p0 −0.9439 ± 22.14
pull
Entries 78
Mean 115.3
Std Dev 82.32
pull1D
Entries 78
Mean 0.0477
Std Dev 1.023

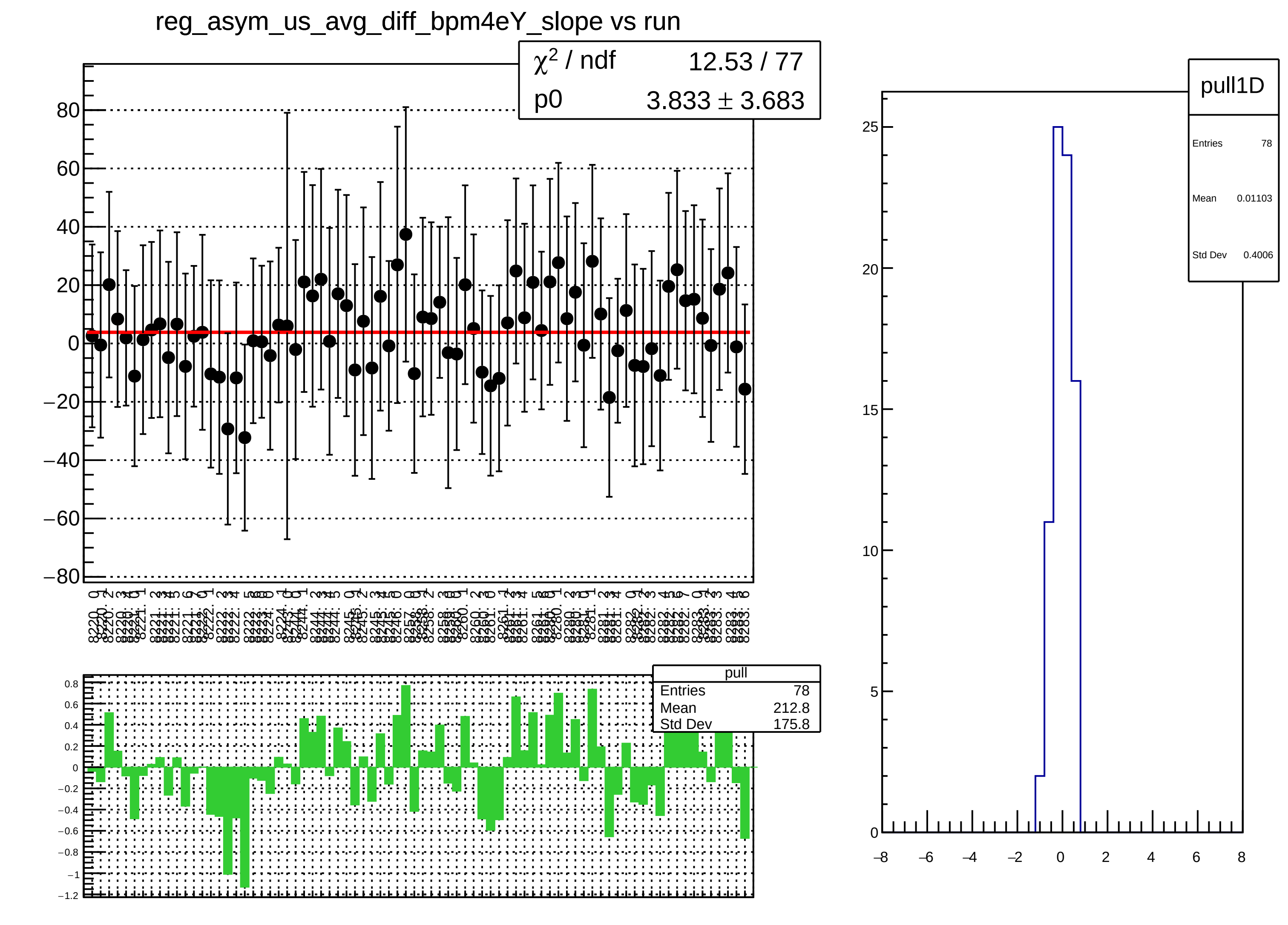


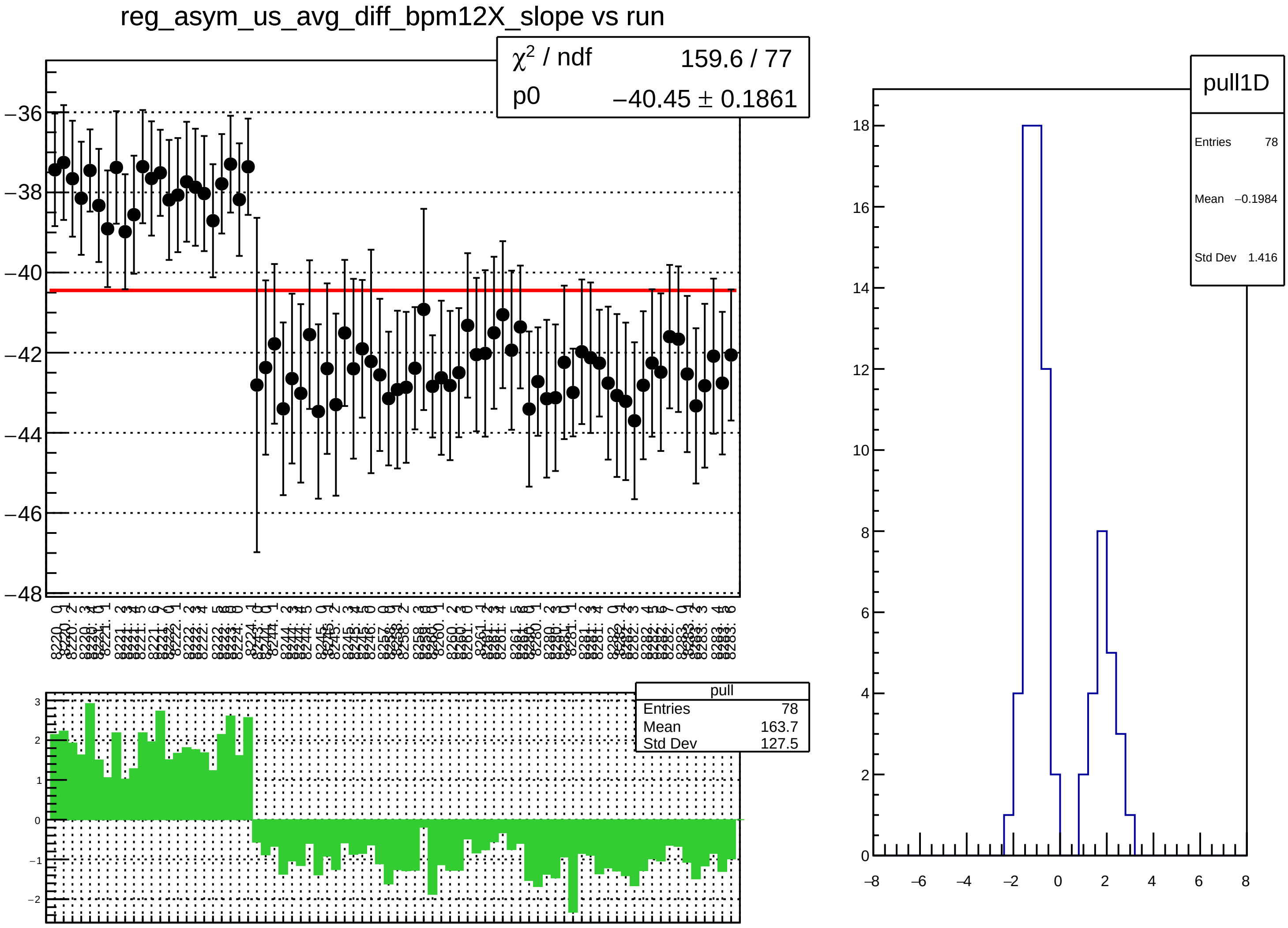
reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 10.64 / 77
p0 −71.18 ± 1.778
pull
Entries 78
Mean −262
Std Dev 294.9
pull1D
Entries 78
Mean 0.006037
Std Dev 0.3693

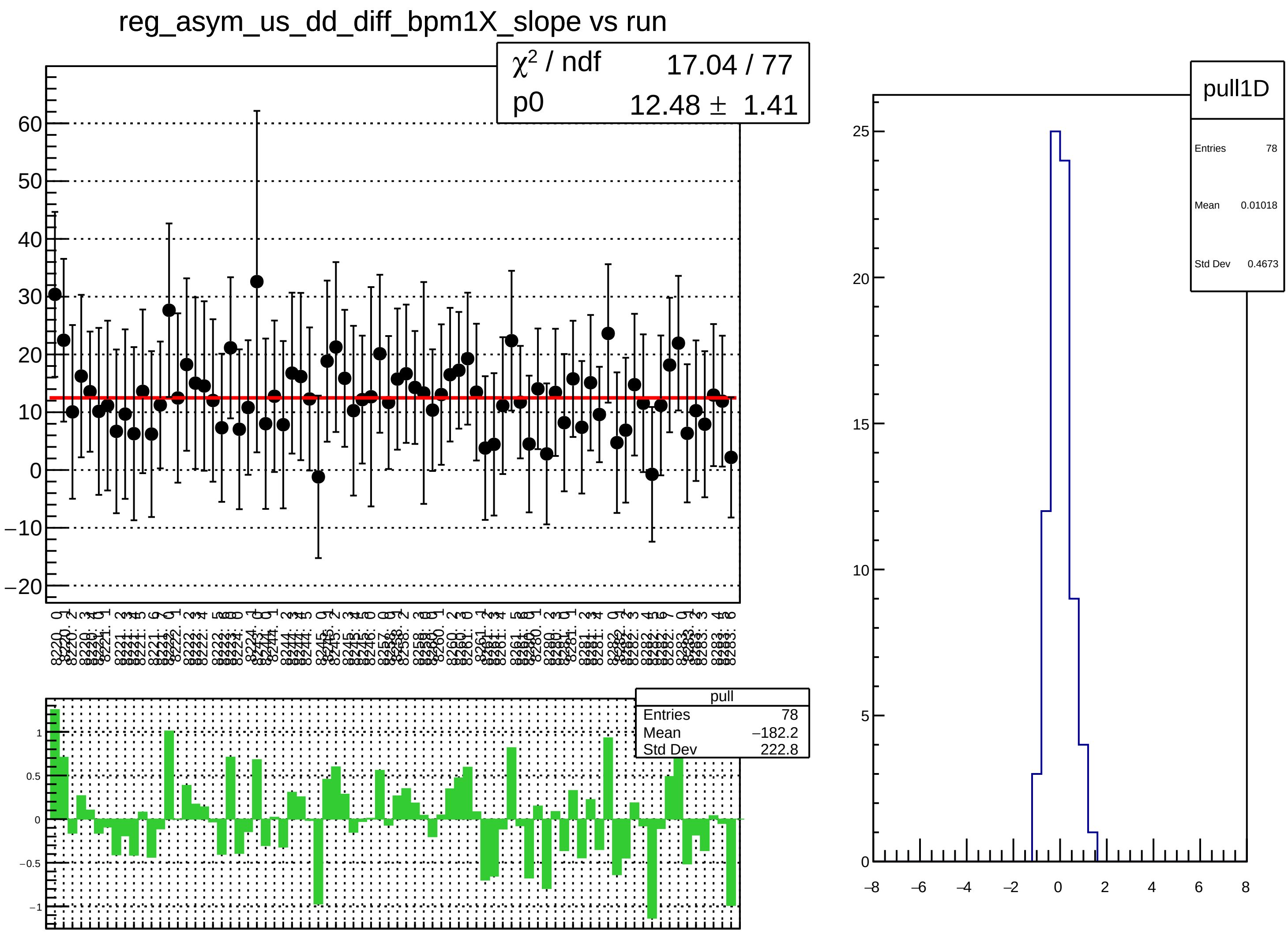

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 12.18 / 77
p0 15.31 ± 3.496
pull
Entries 78
Mean 184.1
Std Dev 143.1
pull1D
Entries 78
Mean −0.009066
Std Dev 0.3951



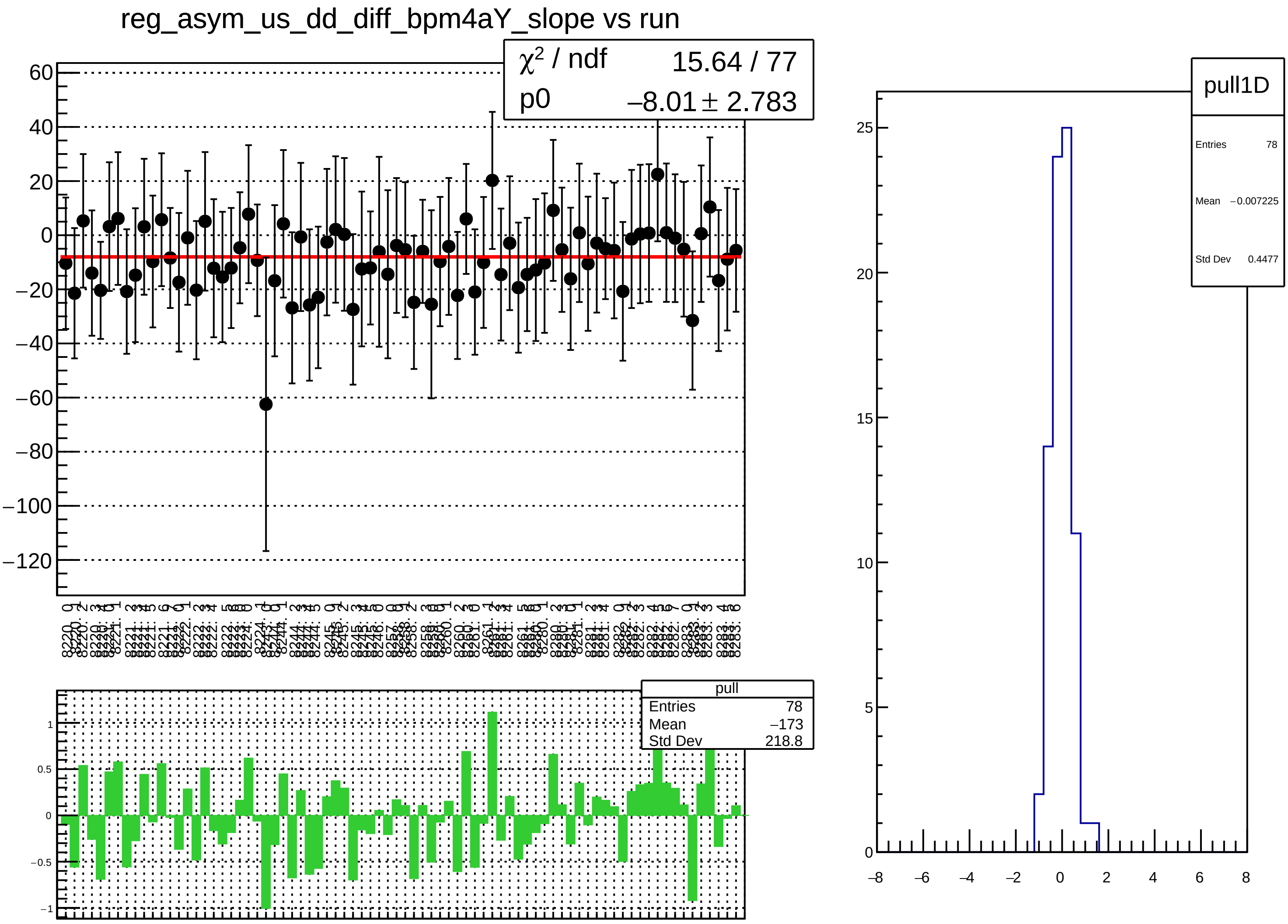
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.863 / 77
p0 64.68 ± 1.956
pull
Entries 78
Mean −199.7
Std Dev 223.6
pull1D
Entries 78
Mean −0.002331
Std Dev 0.3556


reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 12.53 / 77
p0 3.833 ± 3.683
pull
Entries 78
Mean 212.8
Std Dev 175.8
pull1D
Entries 78
Mean 0.01103
Std Dev 0.4006

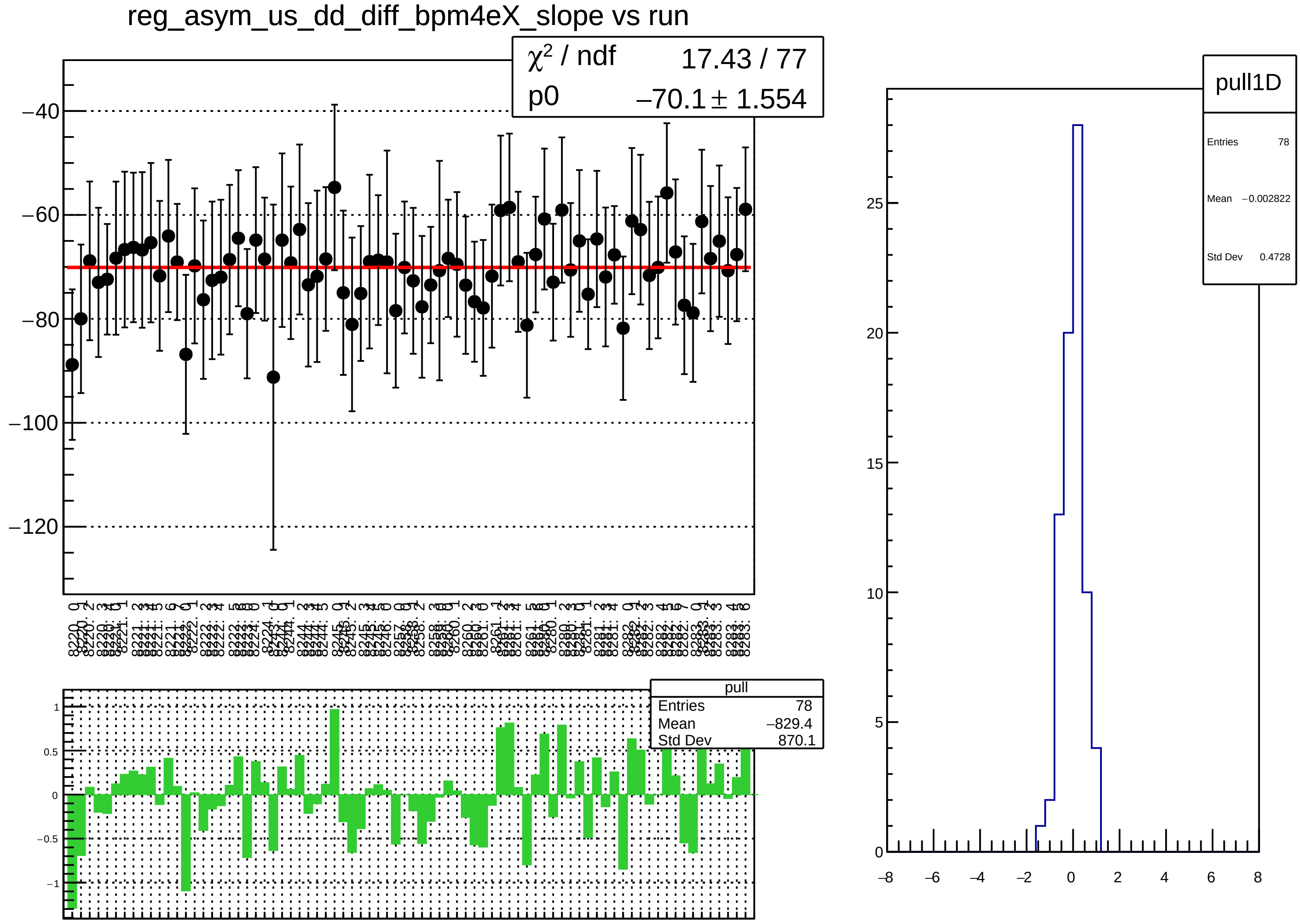

reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 159.6 / 77
p0 −40.45 ± 0.1861
pull
Entries 78
Mean 163.7
Std Dev 127.5
pull1D
Entries 78
Mean −0.1984
Std Dev 1.416



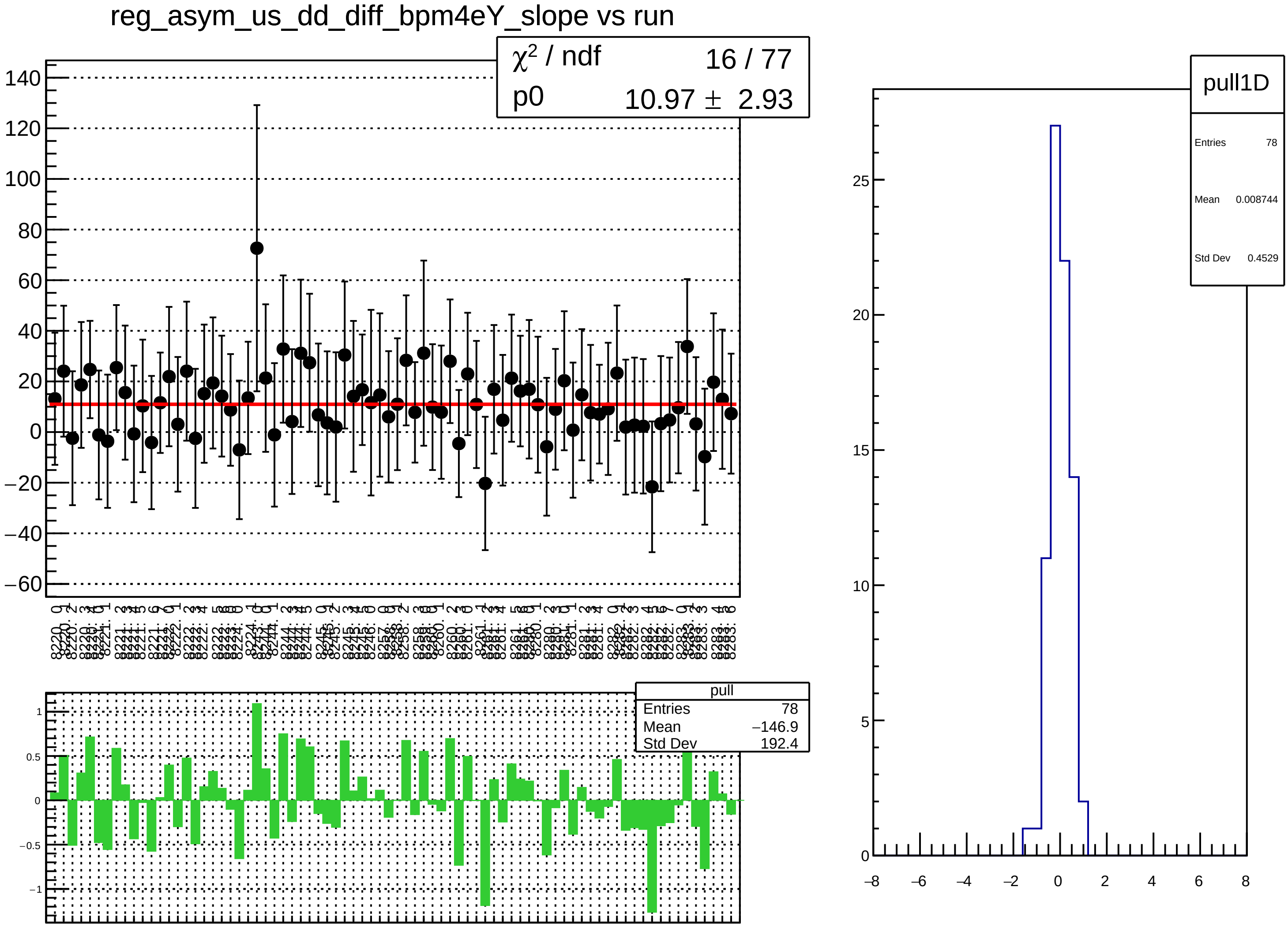
reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 17.04 / 77
p0 12.48 ± 1.41
pull
Entries 78
Mean −182.2
Std Dev 222.8
pull1D
Entries 78
Mean 0.01018
Std Dev 0.4673



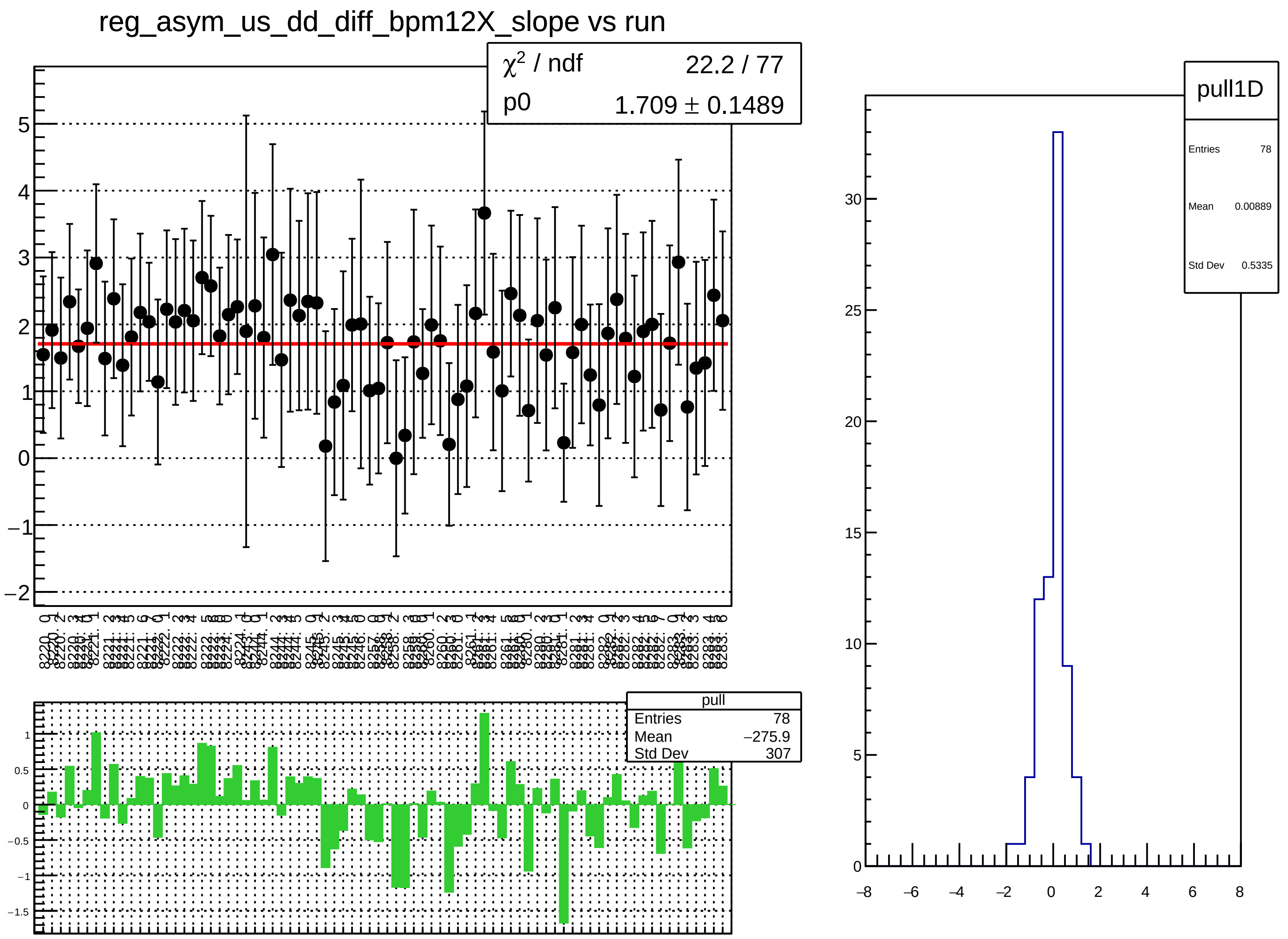
reg_asym_us_dd_diff_bpm4aY_slope vs run
χ2 / ndf 15.64 / 77
p0 −8.01 ± 2.783
pull
Entries 78
Mean −173
Std Dev 218.8
pull1D
Entries 78
Mean −0.007225
Std Dev 0.4477



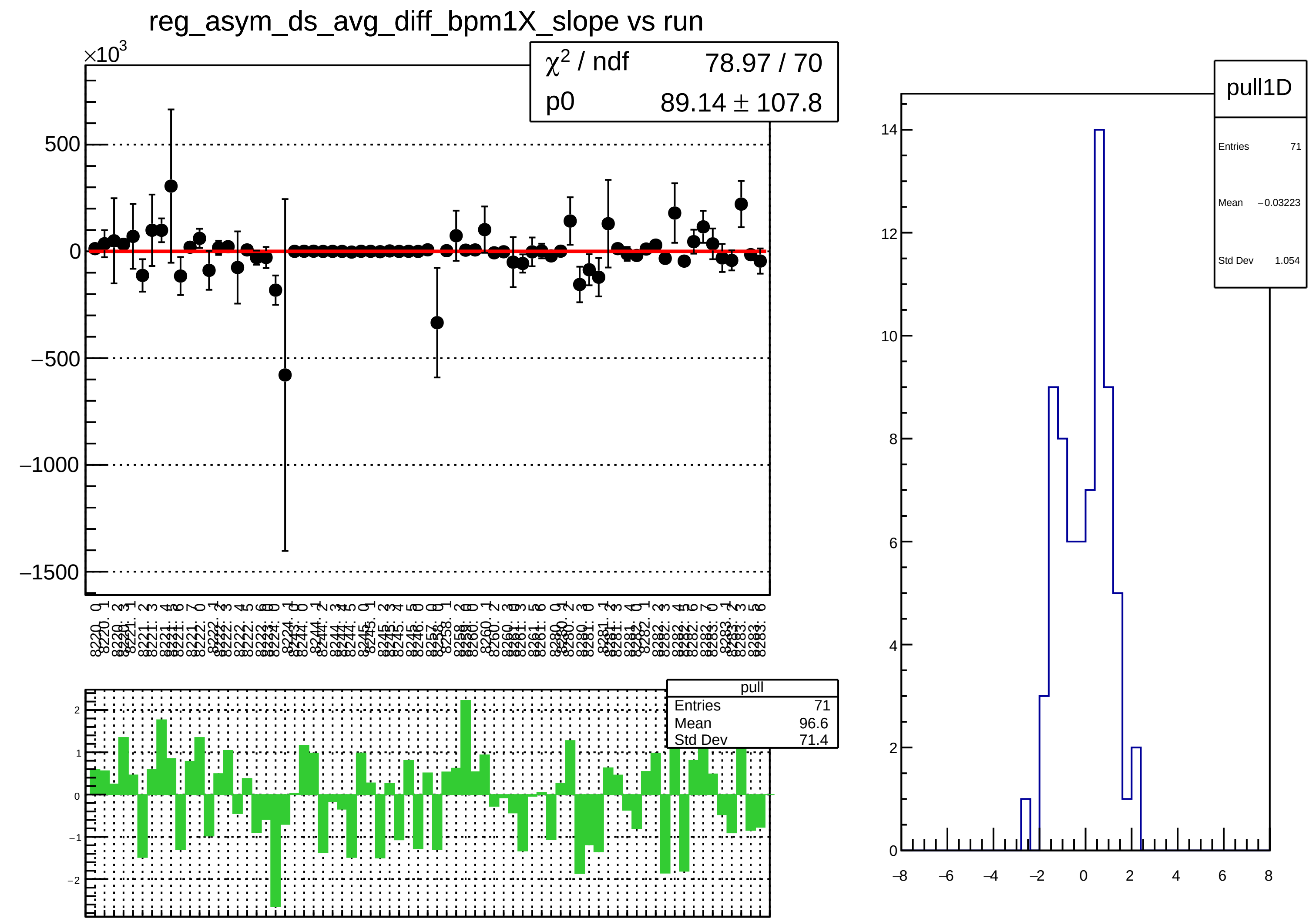
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 17.43 / 77
p0 −70.1 ± 1.554
pull
Entries 78
Mean −829.4
Std Dev 870.1
pull1D
Entries 78
Mean −0.002822
Std Dev 0.4728



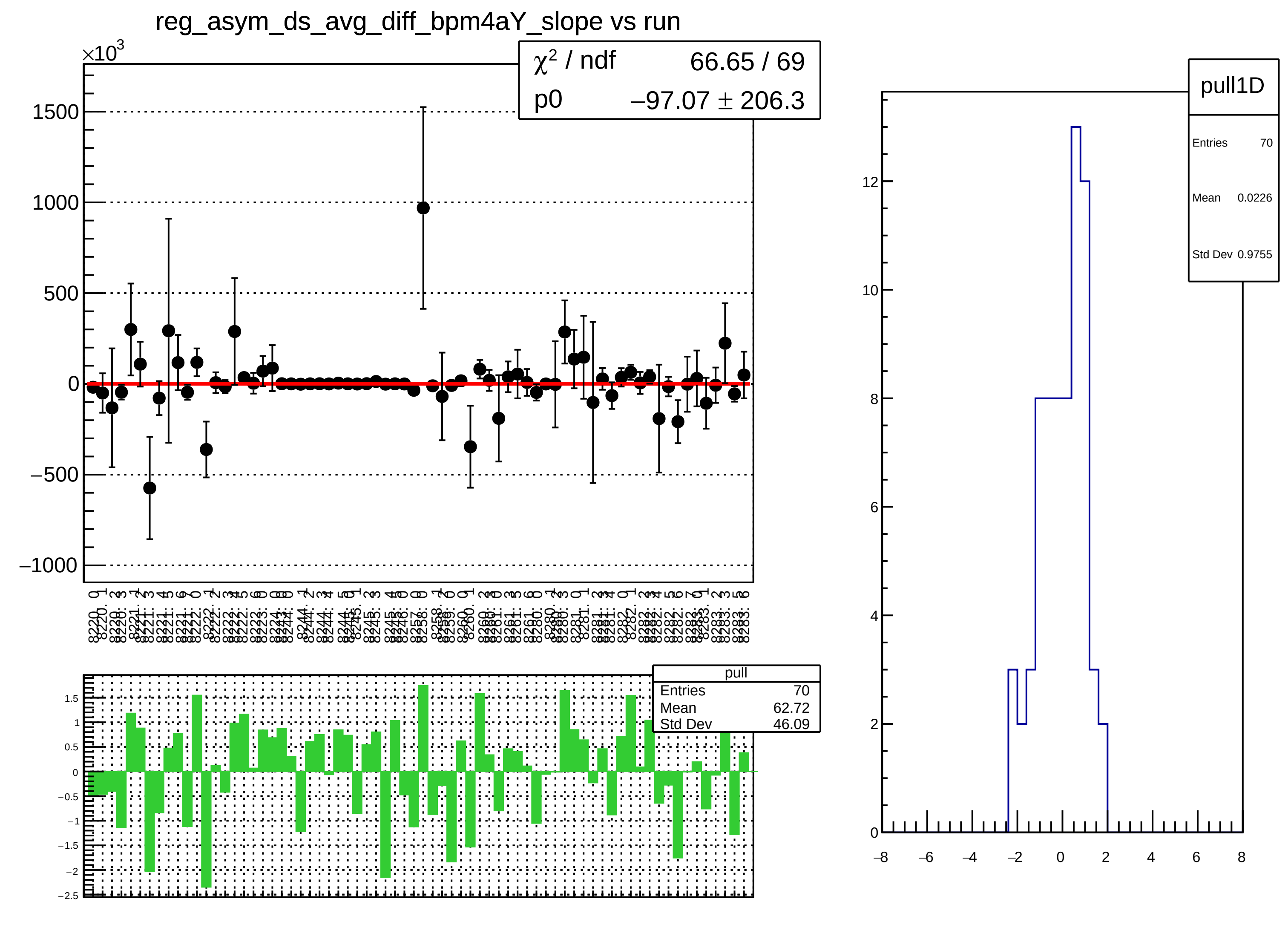
reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 16 / 77
p0 10.97 ± 2.93
pull
Entries 78
Mean −146.9
Std Dev 192.4
pull1D
Entries 78
Mean 0.008744
Std Dev 0.4529

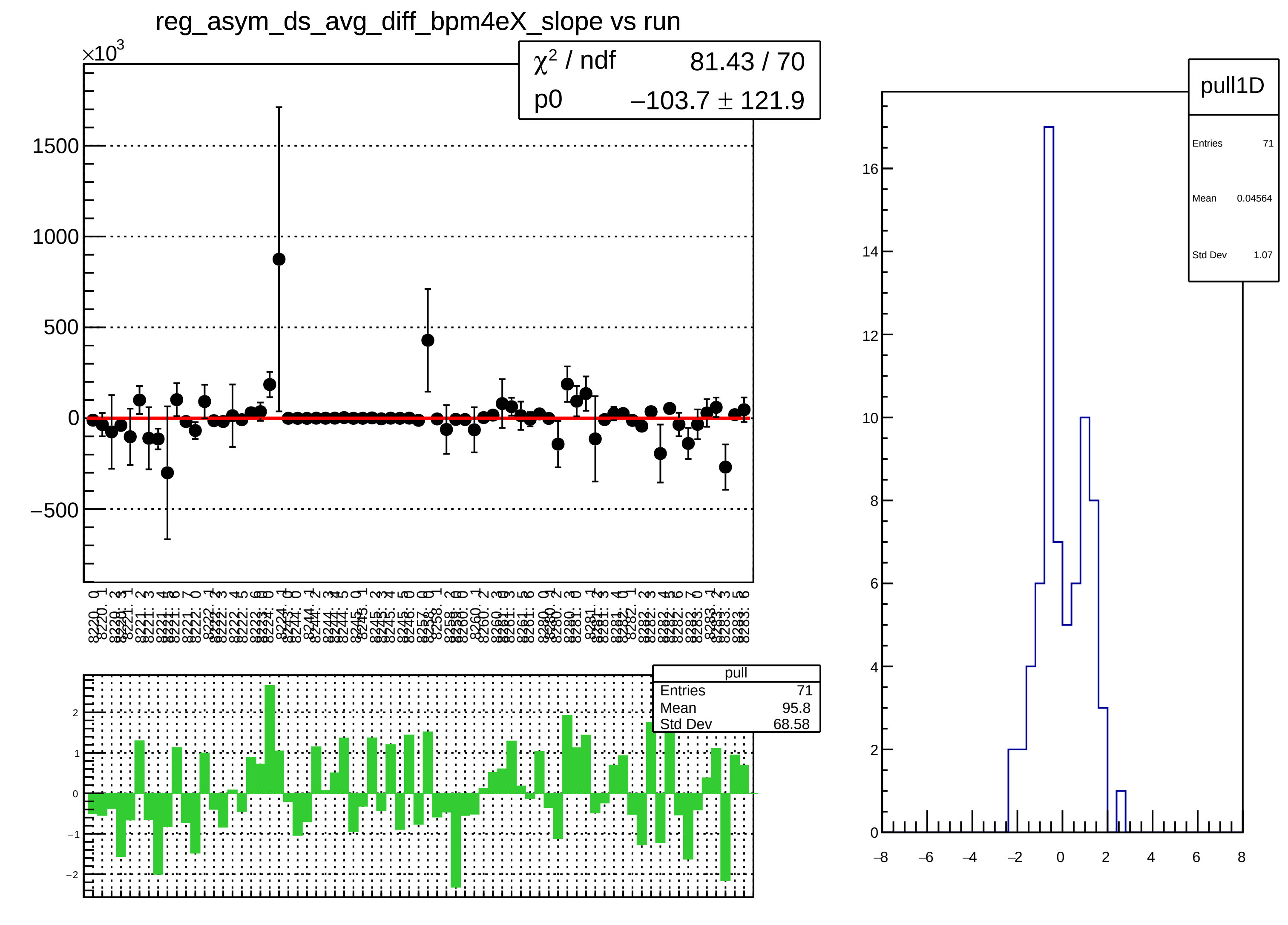


reg_asym_us_dd_diff_bpm12X_slope vs run
χ2 / ndf 22.2 / 77
p0 1.709 ± 0.1489
pull
Entries 78
Mean −275.9
Std Dev 307
pull1D
Entries 78
Mean 0.00889
Std Dev 0.5335

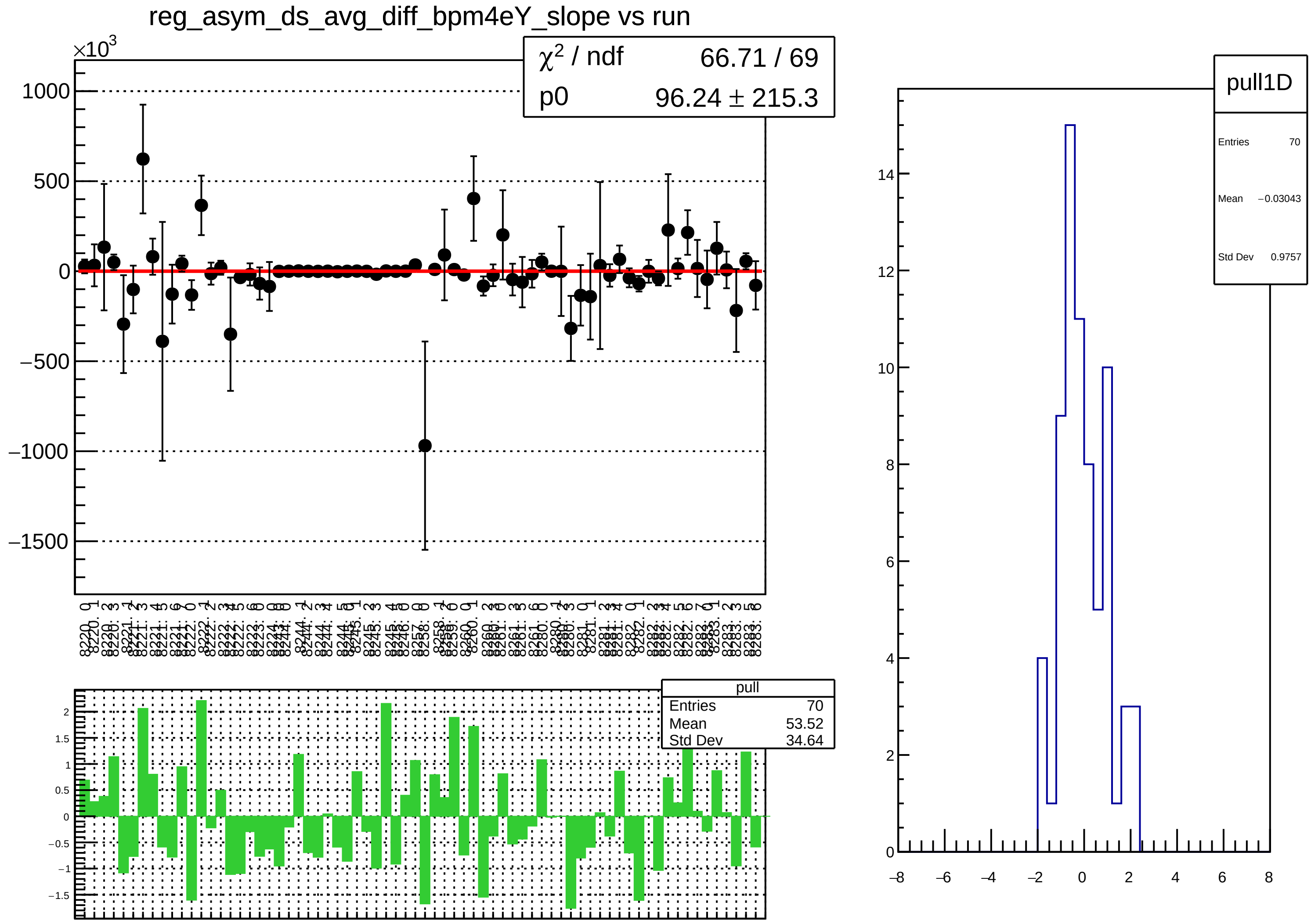


reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ2 / ndf 78.97 / 70
p0 89.14 ± 107.8
pull
Entries 71
Mean 96.6
Std Dev 71.4
pull1D
Entries 71
Mean −0.03223
Std Dev 1.054

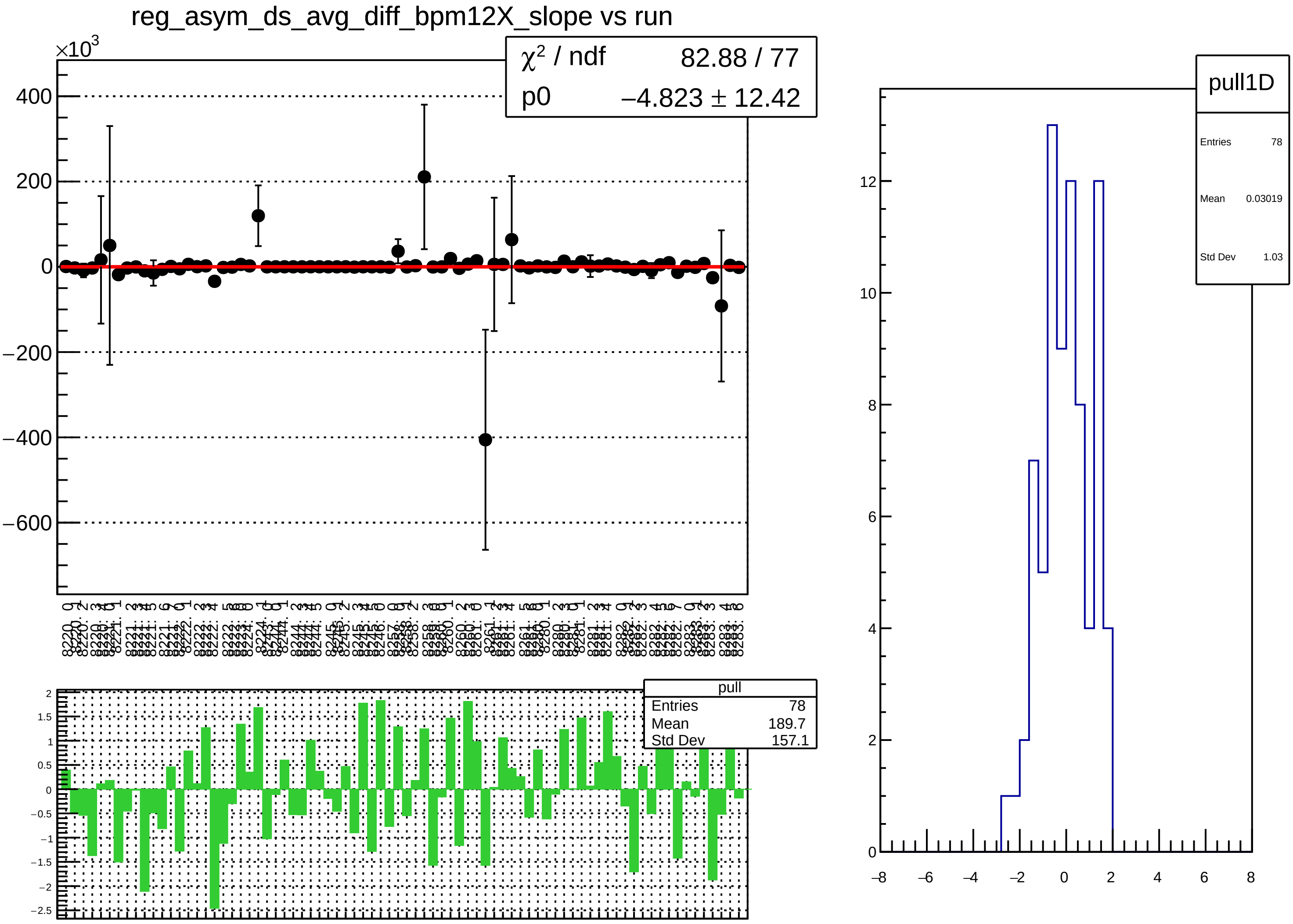

reg_asym_ds_avg_diff_bpm4aY_slope vs run
$\times 10^{3}$
χ^2 / ndf 66.65 / 69
p0 −97.07 ± 206.3
1500
1000
500
0
−500
−1000
pull
Entries 70
Mean 62.72
Std Dev 46.09
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 70
Mean 0.0226
Std Dev 0.9755
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

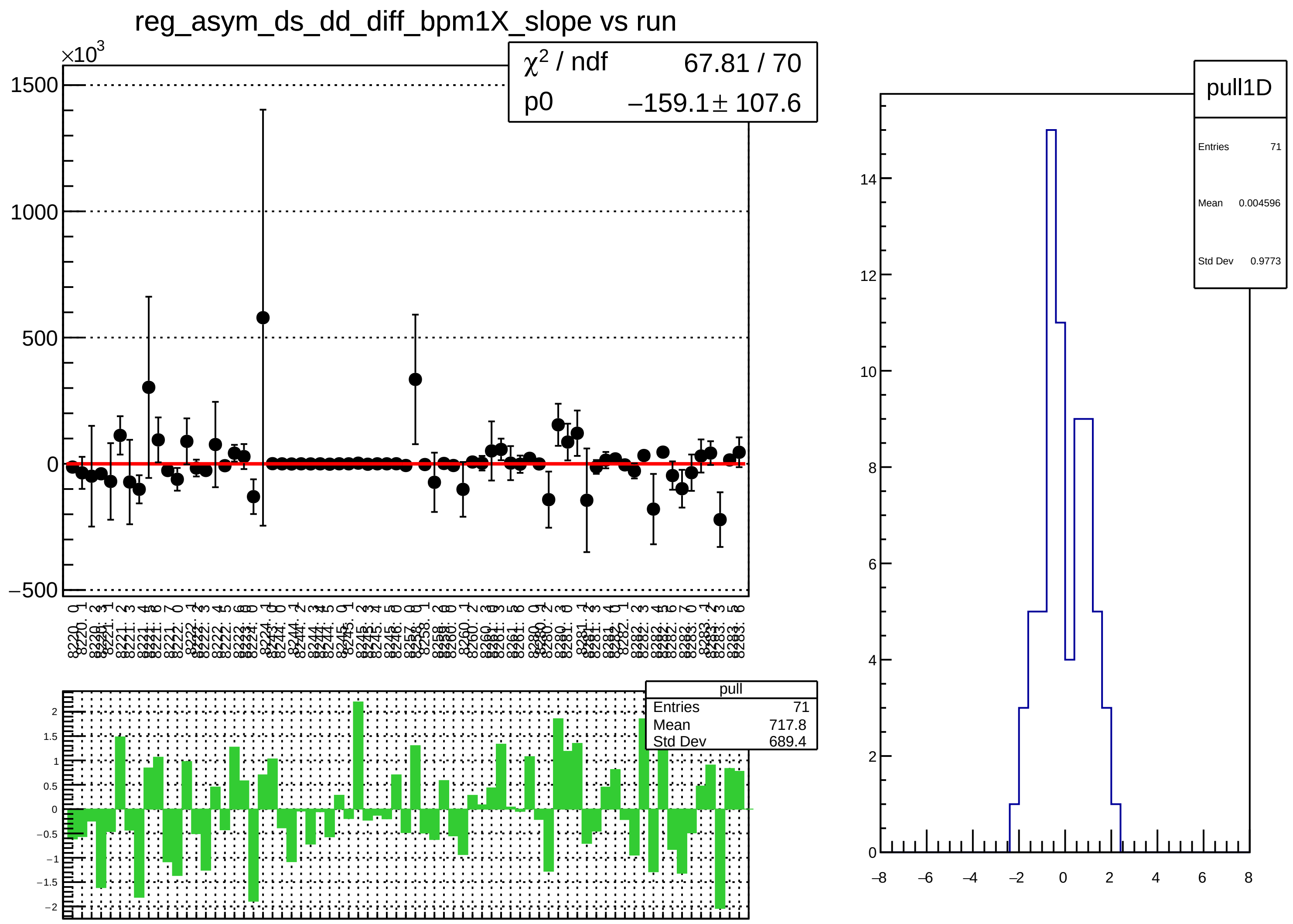


reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 81.43 / 70
p0 −103.7 ± 121.9
pull
Entries 71
Mean 95.8
Std Dev 68.58
pull1D
Entries 71
Mean 0.04564
Std Dev 1.07

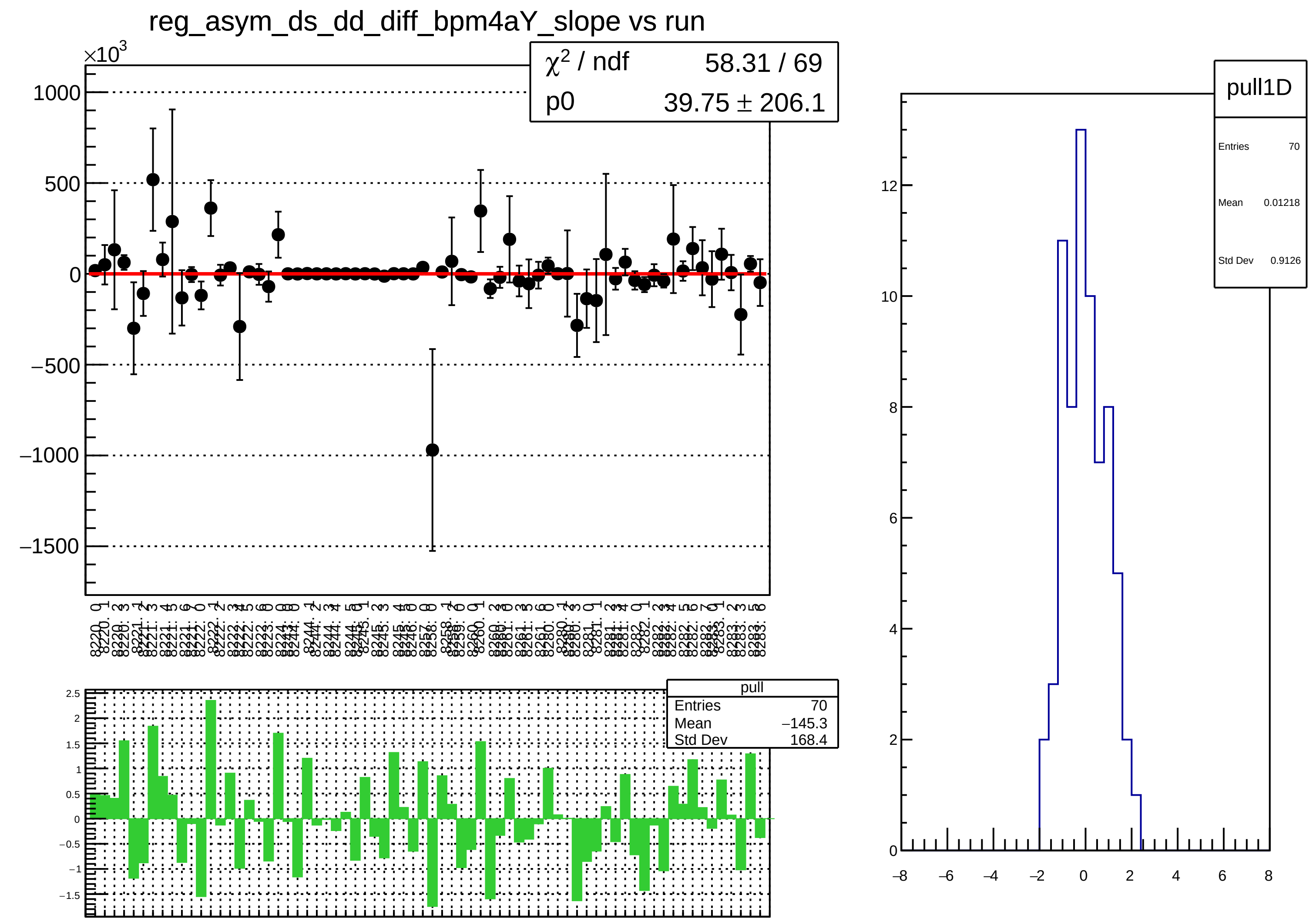


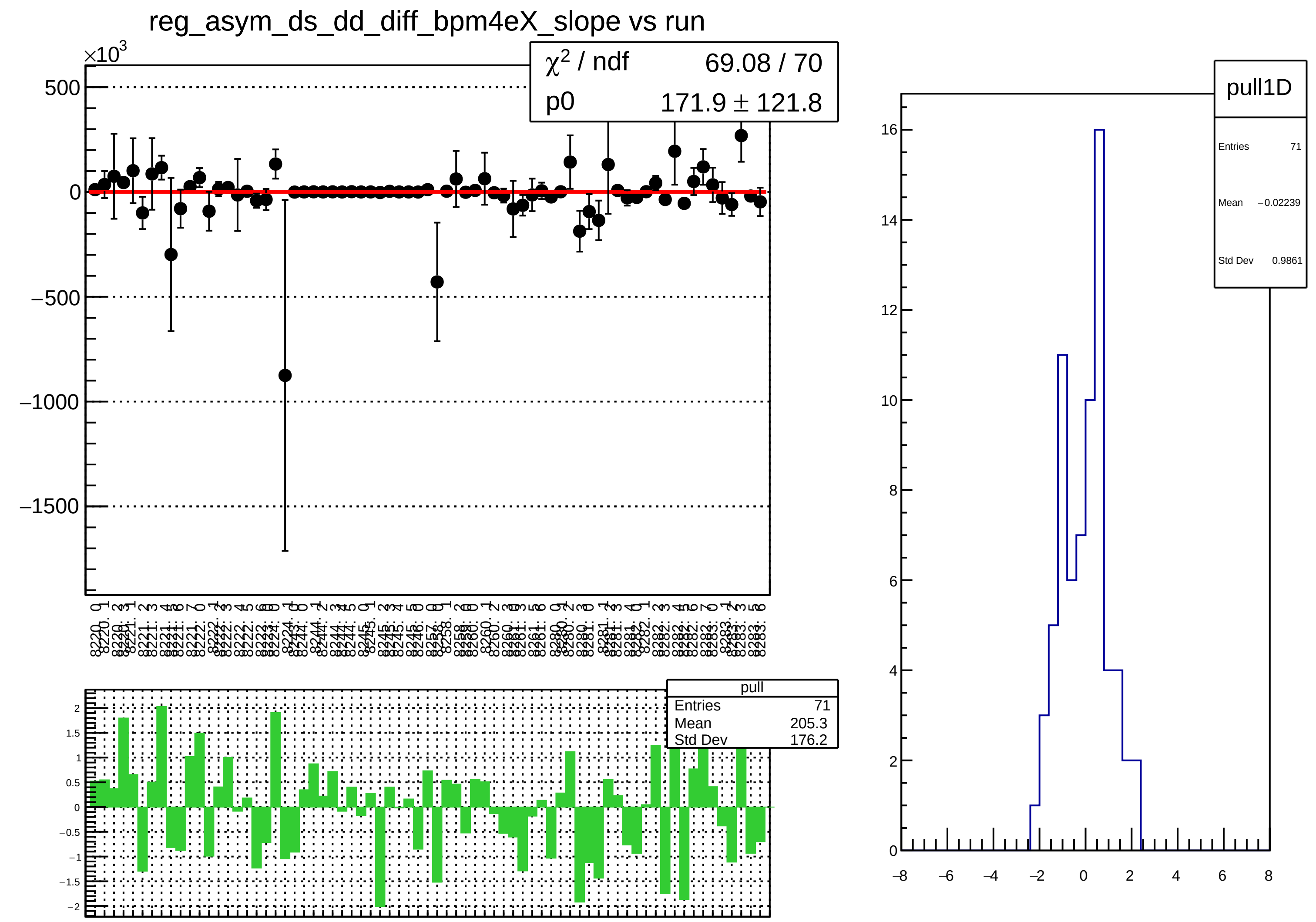
reg_asym_ds_avg_diff_bpm4eY_slope vs run
$\times 10^3$
χ^2 / ndf 66.71 / 69
p0 96.24 ± 215.3
1000
500
0
−500
−1000
−1500
pull
Entries 70
Mean 53.52
Std Dev 34.64
pull1D
Entries 70
Mean −0.03043
Std Dev 0.9757


reg_asym_ds_avg_diff_bpm12X_slope vs run
$\times10^3$
χ^2 / ndf 82.88 / 77
p0 −4.823 ± 12.42
pull
Entries 78
Mean 189.7
Std Dev 157.1
pull1D
Entries 78
Mean 0.03019
Std Dev 1.03

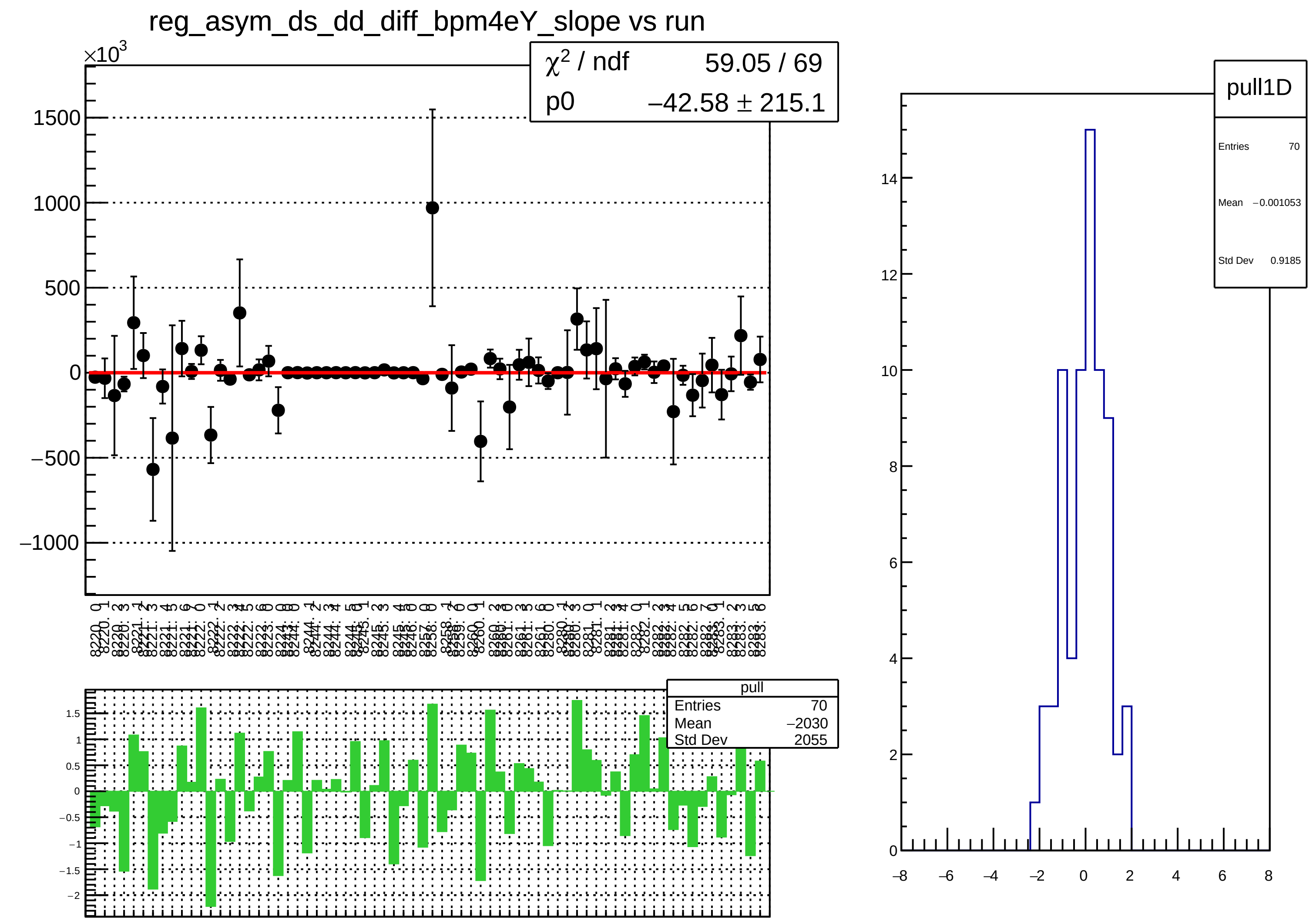


reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 67.81 / 70
p0 −159.1 ± 107.6
pull
Entries 71
Mean 717.8
Std Dev 689.4
pull1D
Entries 71
Mean 0.004596
Std Dev 0.9773

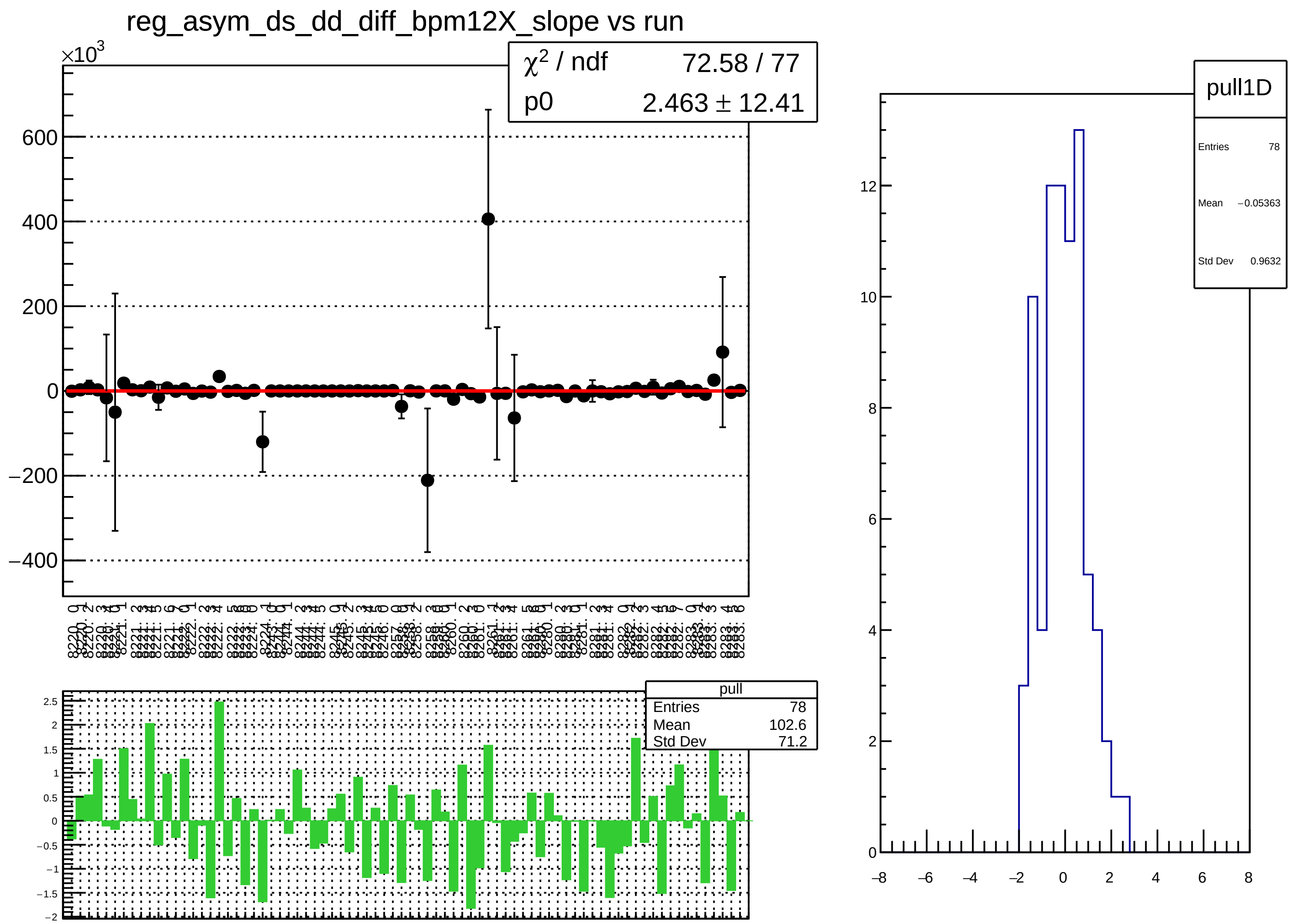

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ2 / ndf 58.31 / 69
p0 39.75 ± 206.1
pull
Entries 70
Mean −145.3
Std Dev 168.4
pull1D
Entries 70
Mean 0.01218
Std Dev 0.9126



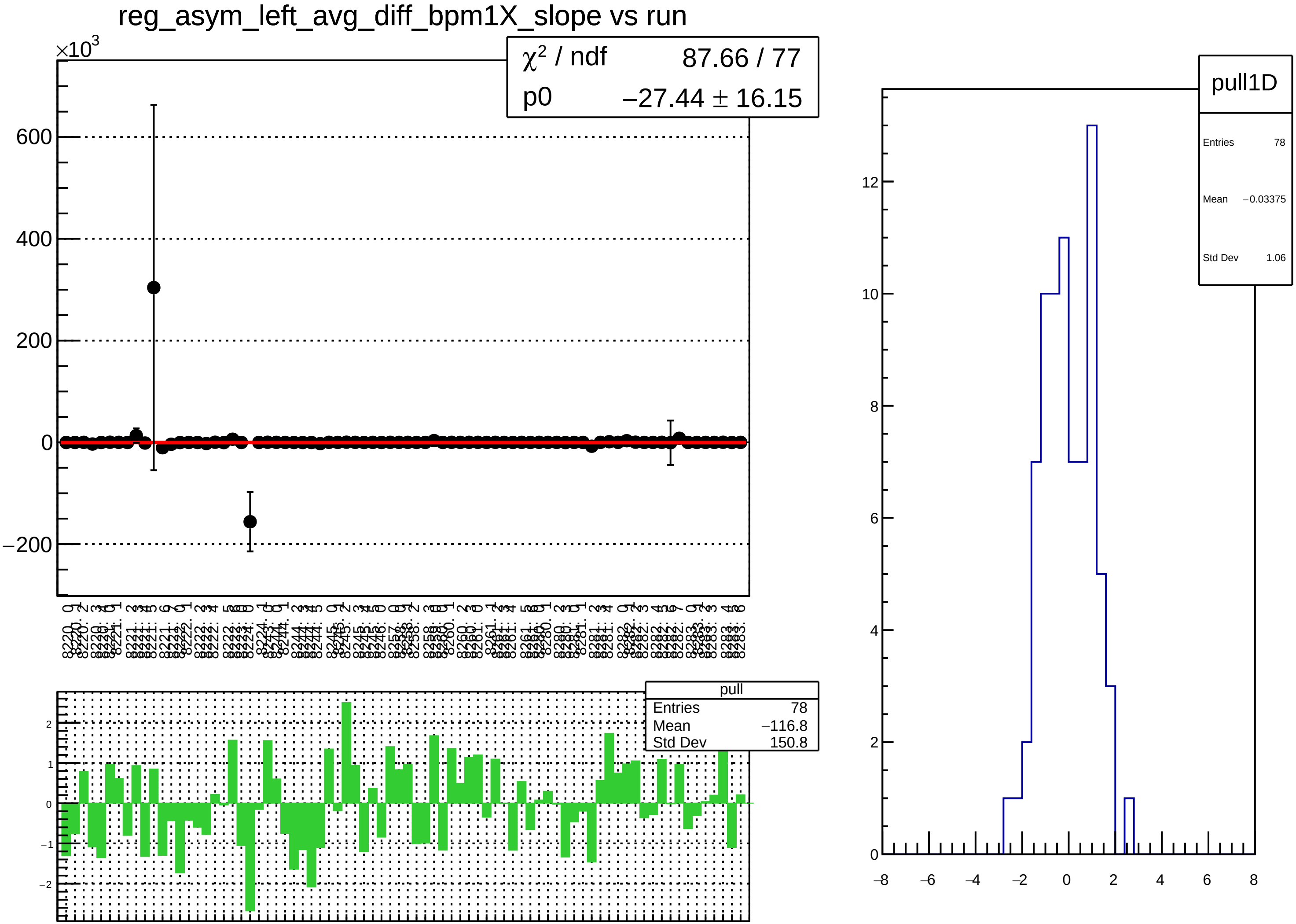
reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 69.08 / 70
p0 171.9 ± 121.8
pull
Entries 71
Mean 205.3
Std Dev 176.2
pull1D
Entries 71
Mean −0.02239
Std Dev 0.9861



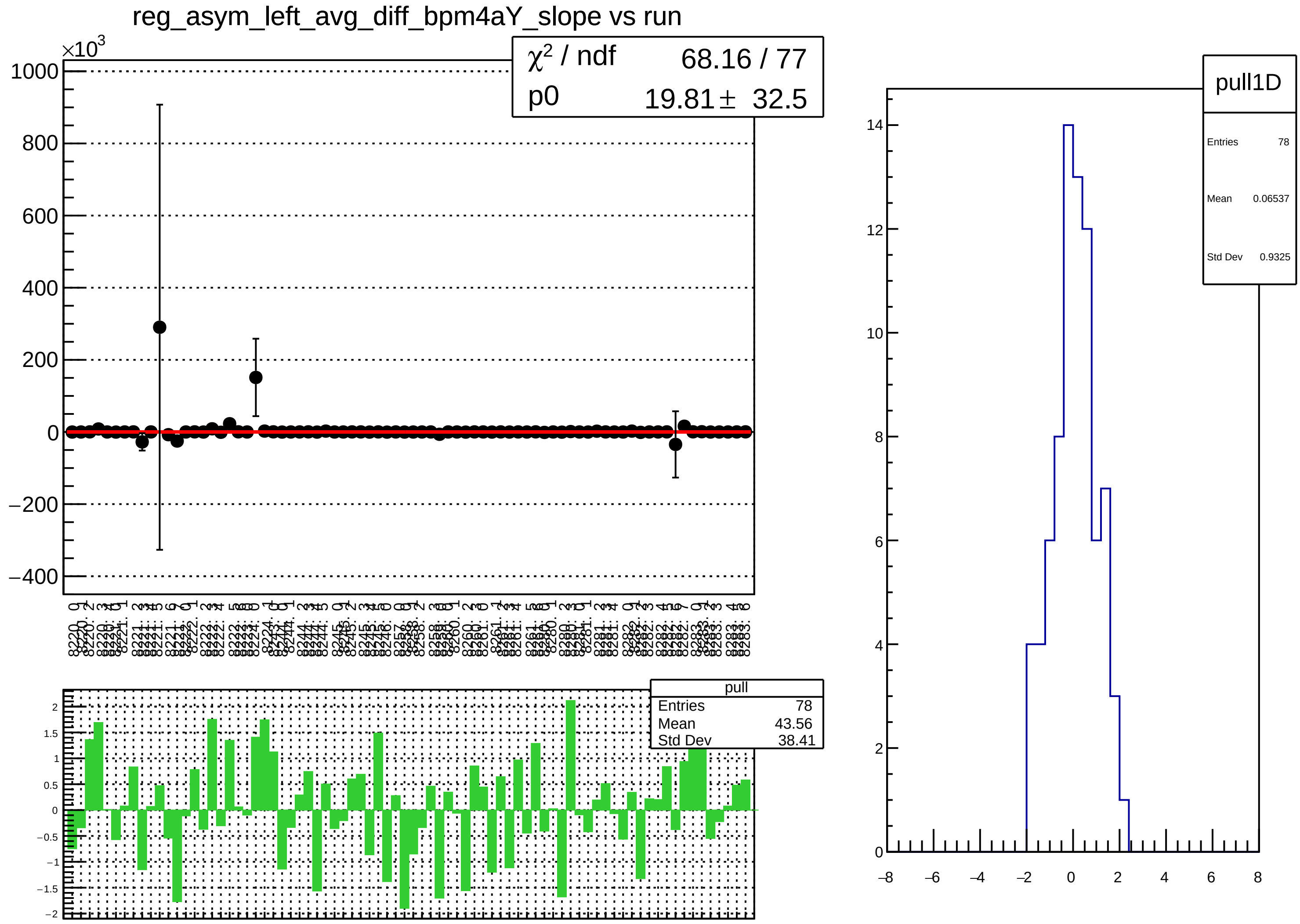
reg_asym_ds_dd_diff_bpm4eY_slope vs run
$\times 10^3$
χ^2 / ndf 59.05 / 69
p0 −42.58 ± 215.1
pull
Entries 70
Mean −2030
Std Dev 2055
pull1D
Entries 70
Mean −0.001053
Std Dev 0.9185



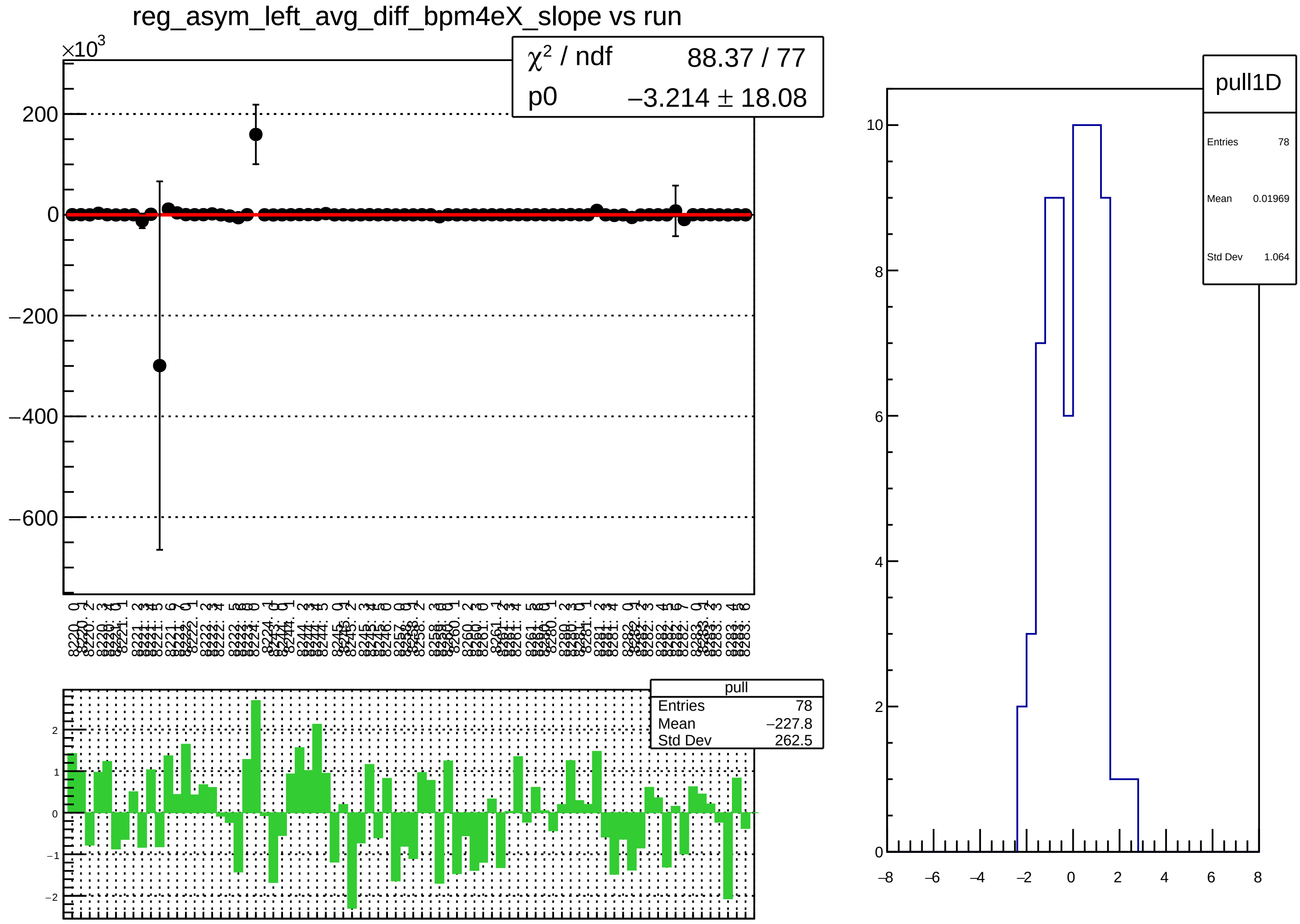
reg_asym_ds_dd_diff_bpm12X_slope vs run
×10^3
χ^2 / ndf 72.58 / 77
p0 2.463 ± 12.41
600
400
200
0
−200
−400
pull
Entries 78
Mean 102.6
Std Dev 71.2
pull1D
Entries 78
Mean −0.05363
Std Dev 0.9632
−8 −6 −4 −2 0 2 4 6 8

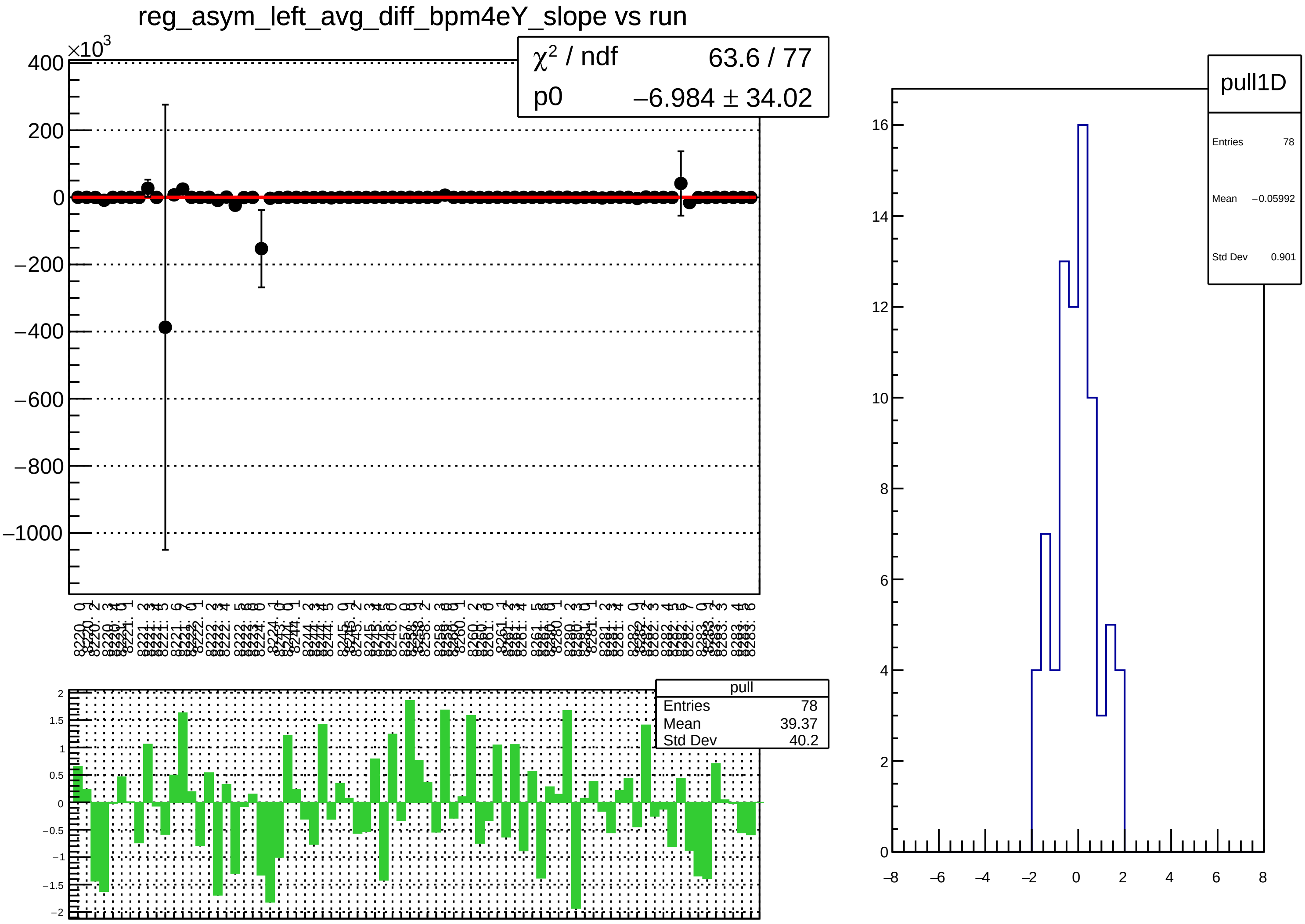


reg_asym_left_avg_diff_bpm1X_slope vs run
$\times 10^3$
χ^2 / ndf 87.66 / 77
p0 −27.44 ± 16.15
600
400
200
0
−200
pull
Entries 78
Mean −116.8
Std Dev 150.8
pull1D
Entries 78
Mean −0.03375
Std Dev 1.06

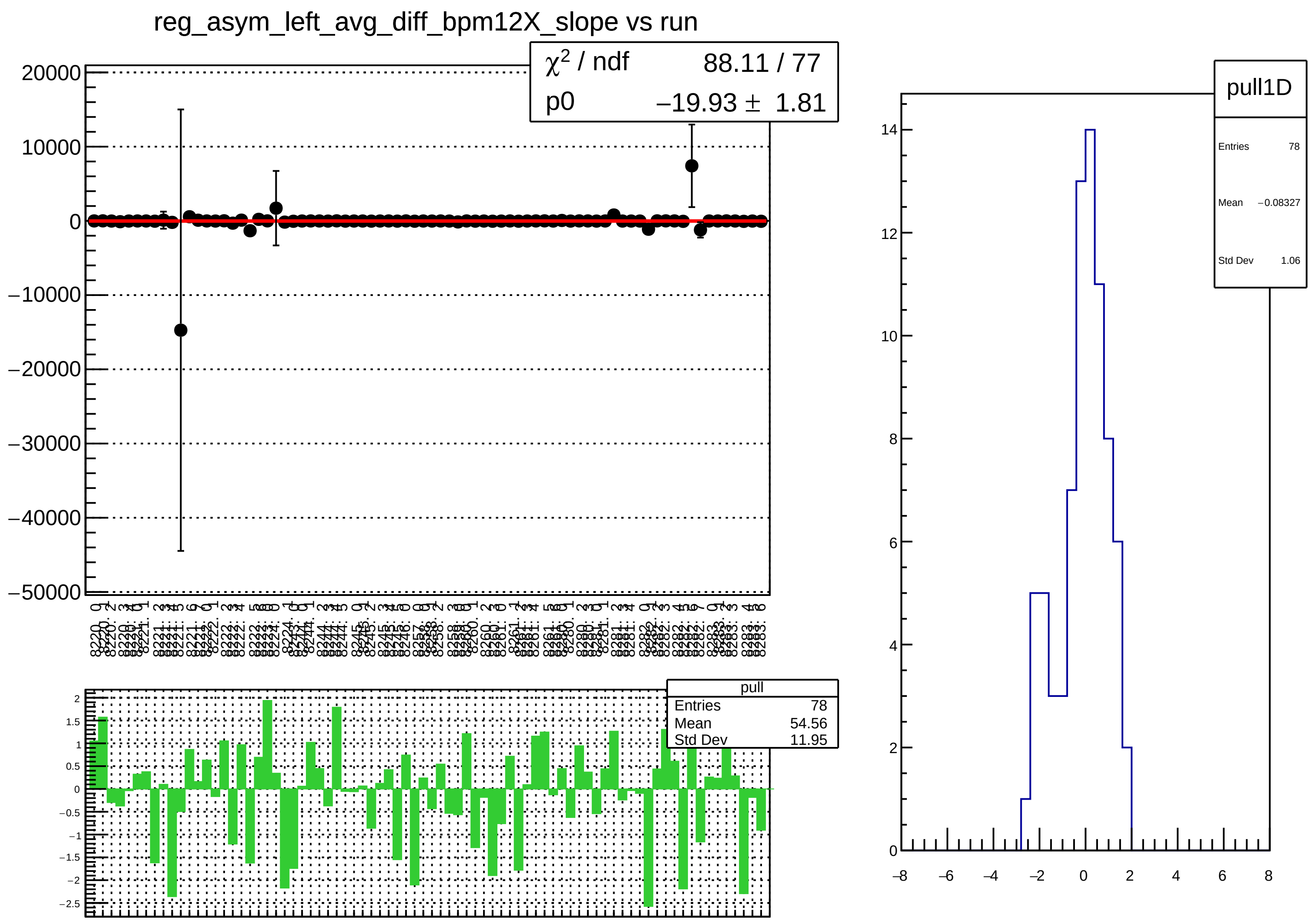


reg_asym_left_avg_diff_bpm4aY_slope vs run
×10^3
χ2 / ndf 68.16 / 77
p0 19.81 ± 32.5
pull
Entries 78
Mean 43.56
Std Dev 38.41
pull1D
Entries 78
Mean 0.06537
Std Dev 0.9325

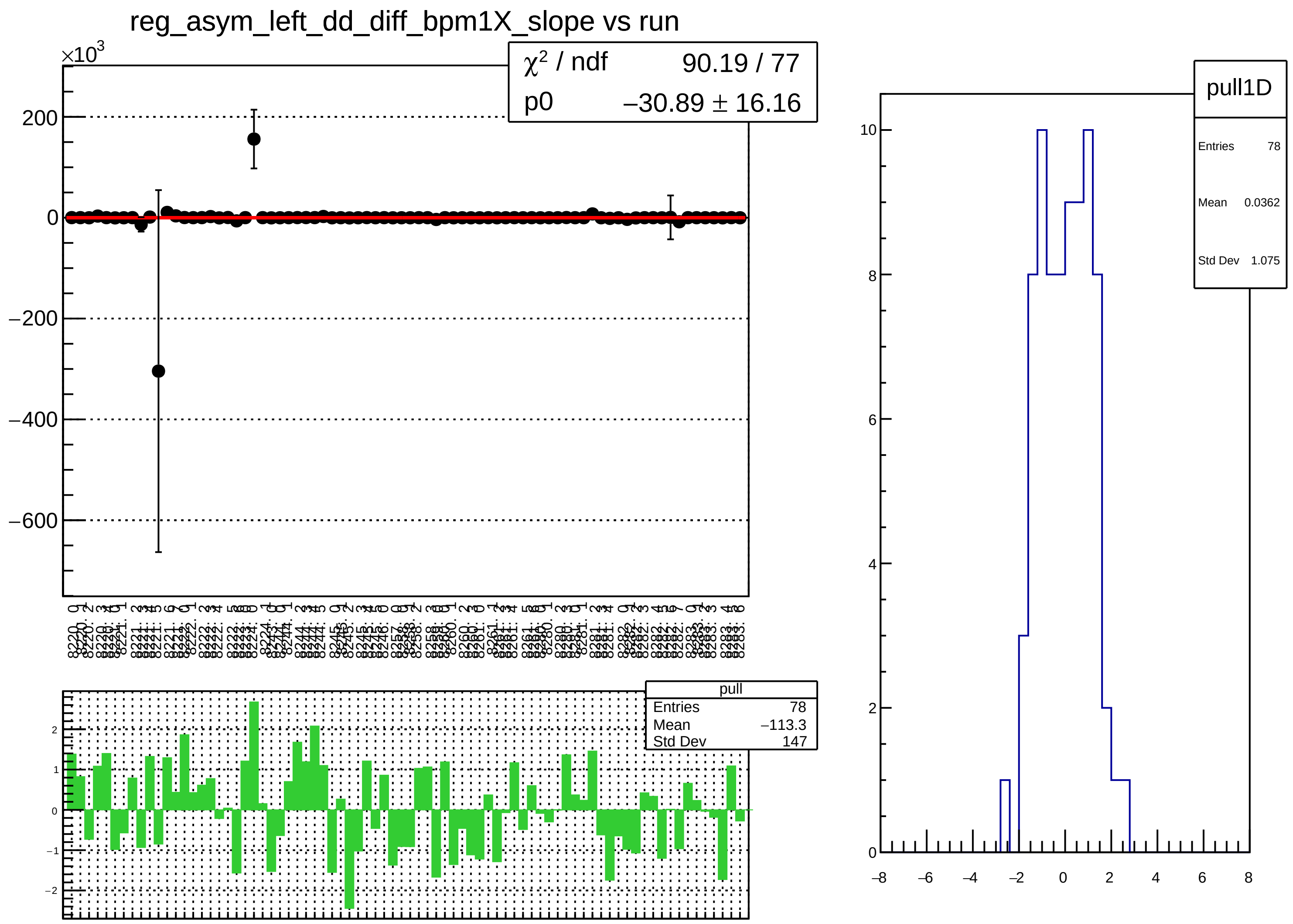

reg_asym_left_avg_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 88.37 / 77
p0 −3.214 ± 18.08
200
0
−200
−400
−600
pull
Entries 78
Mean −227.8
Std Dev 262.5
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01969
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

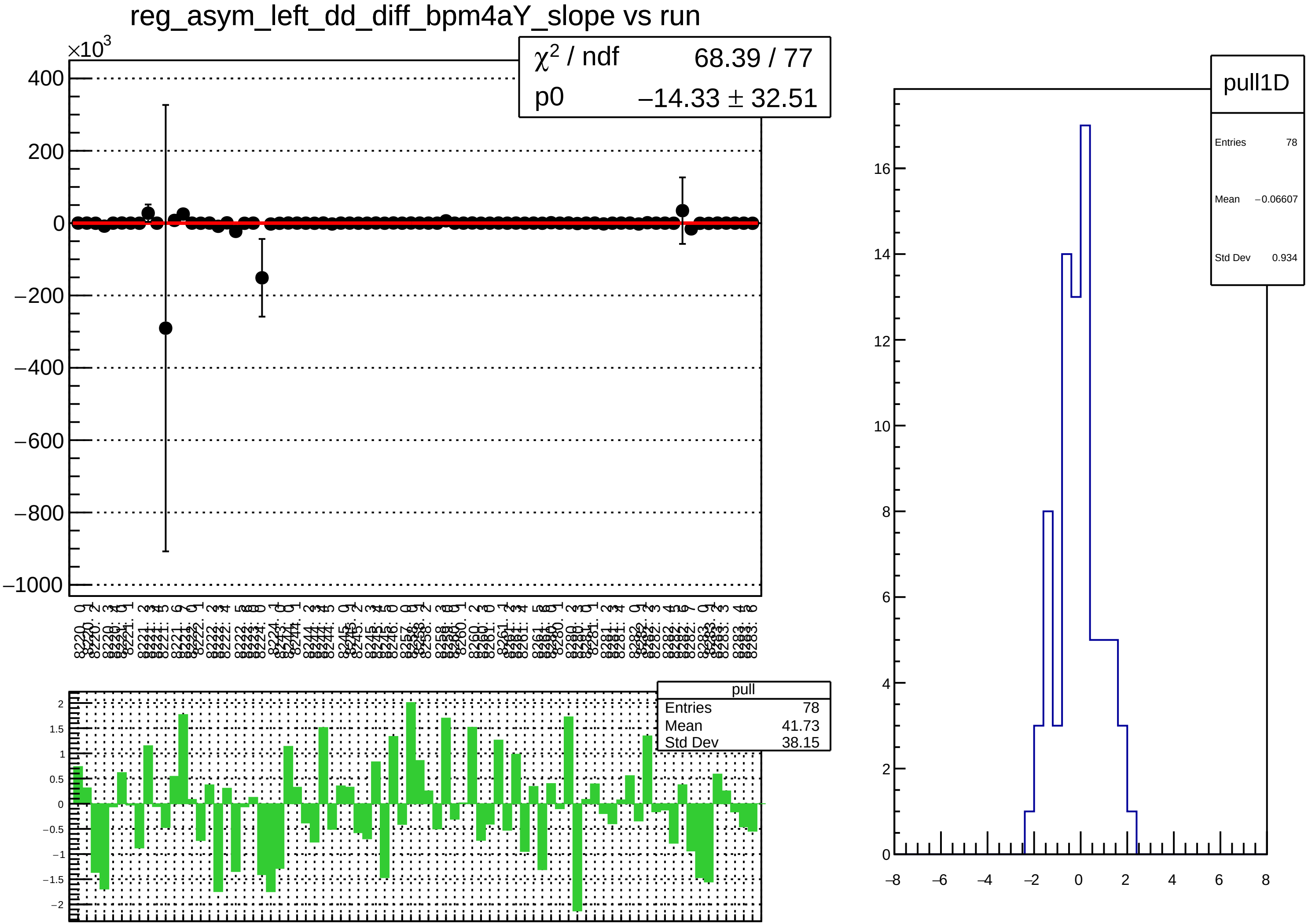


reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 63.6 / 77
p0 −6.984 ± 34.02
×10³
pull
Entries 78
Mean 39.37
Std Dev 40.2
pull1D
Entries 78
Mean −0.05992
Std Dev 0.901

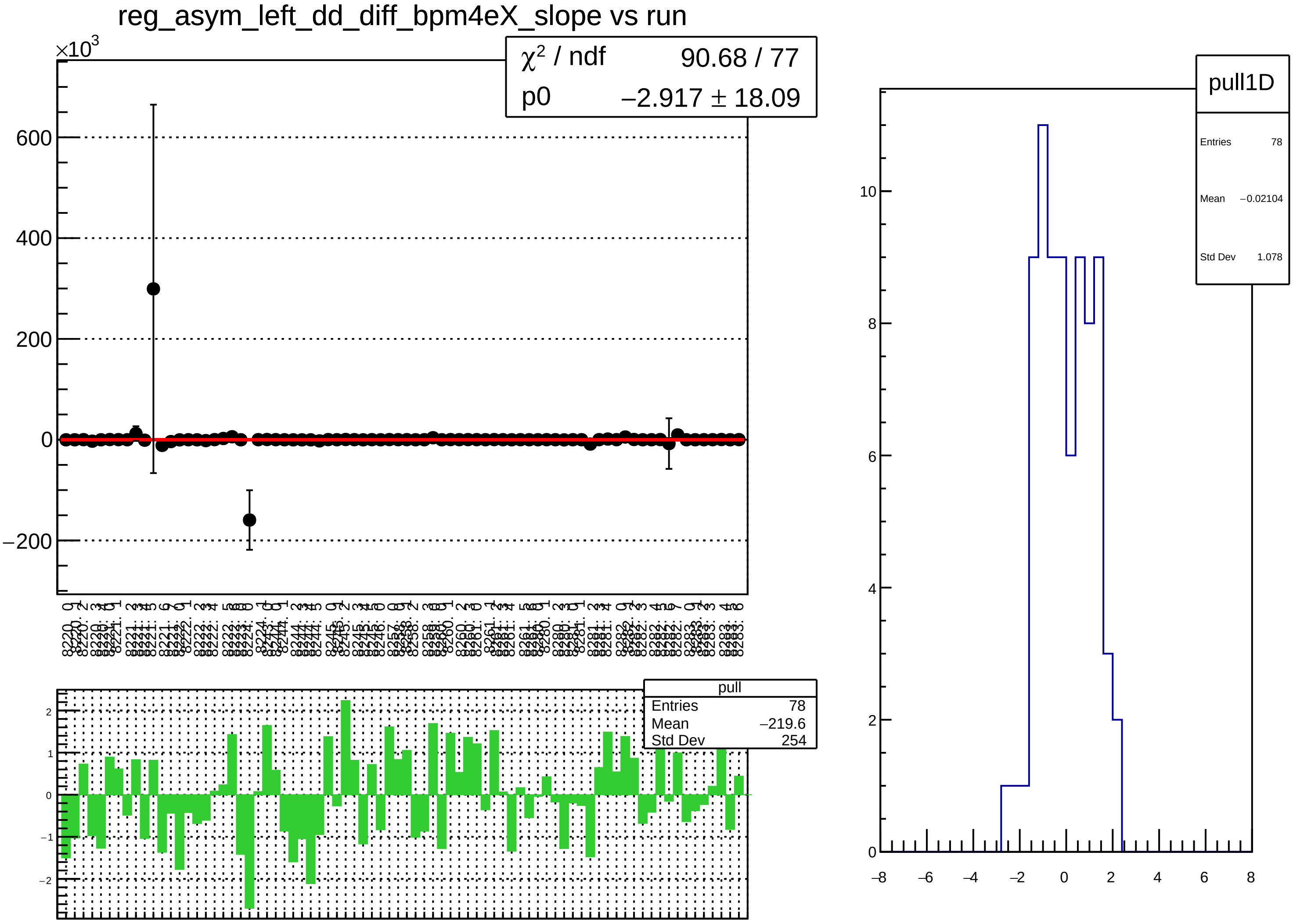


reg_asym_left_avg_diff_bpm12X_slope vs run
χ2 / ndf 88.11 / 77
p0 −19.93 ± 1.81
pull
Entries 78
Mean 54.56
Std Dev 11.95
pull1D
Entries 78
Mean −0.08327
Std Dev 1.06

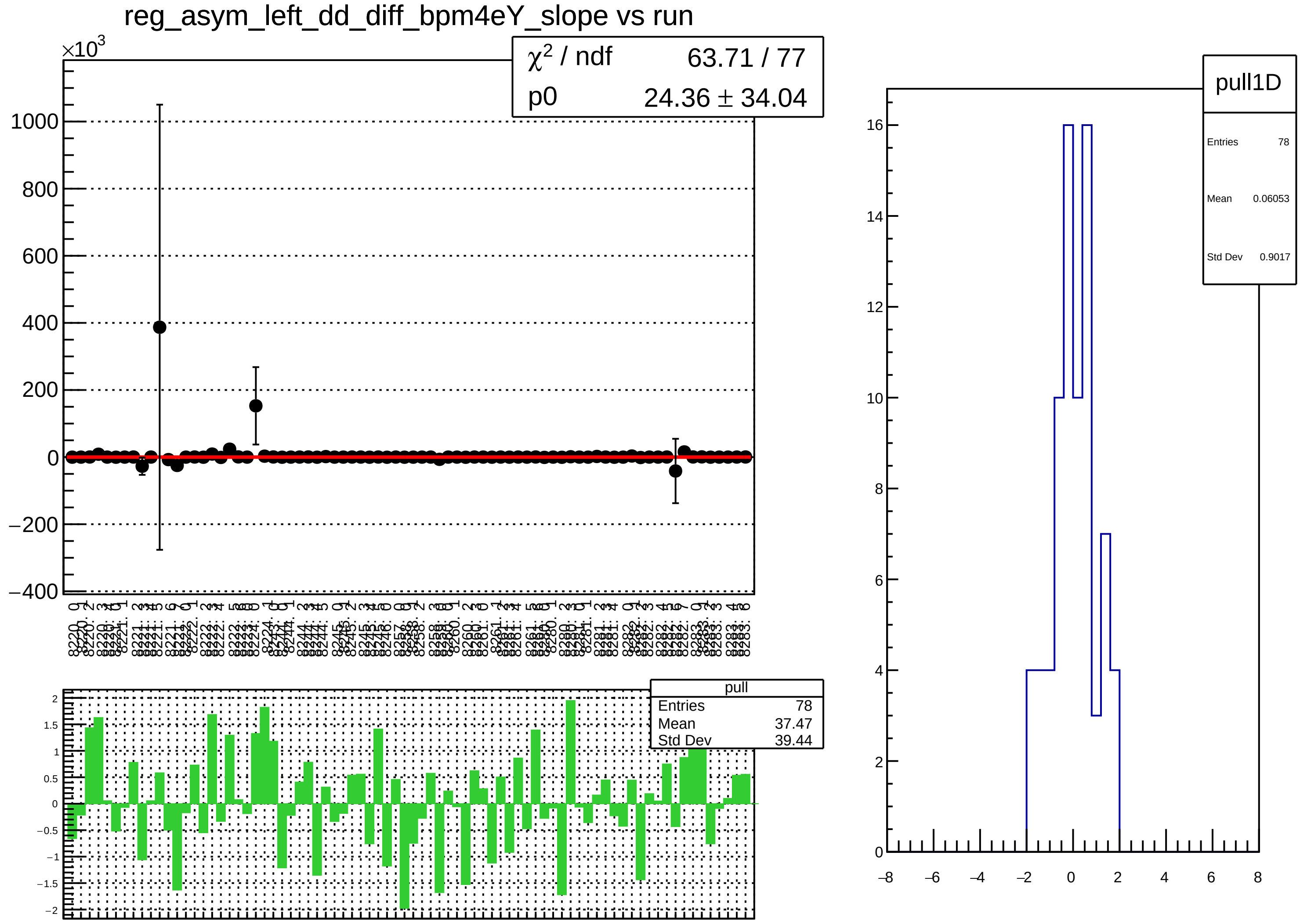

reg_asym_left_dd_diff_bpm1X_slope vs run
×10^3
χ2 / ndf 90.19 / 77
p0 −30.89 ± 16.16
pull
Entries 78
Mean −113.3
Std Dev 147
pull1D
Entries 78
Mean 0.0362
Std Dev 1.075



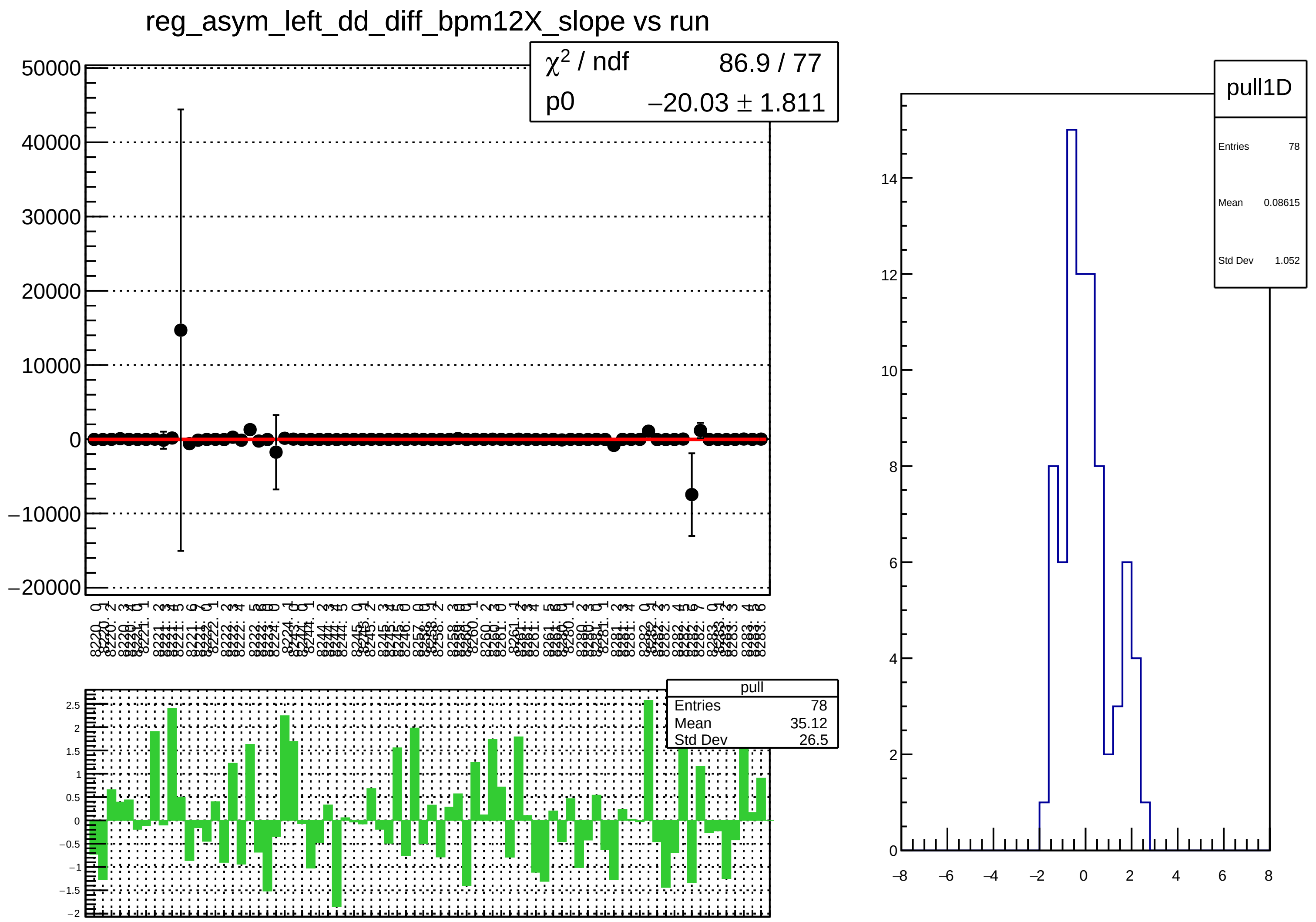
reg_asym_left_dd_diff_bpm4aY_slope vs run
χ2 / ndf 68.39 / 77
p0 −14.33 ± 32.51
pull
Entries 78
Mean 41.73
Std Dev 38.15
pull1D
Entries 78
Mean −0.06607
Std Dev 0.934

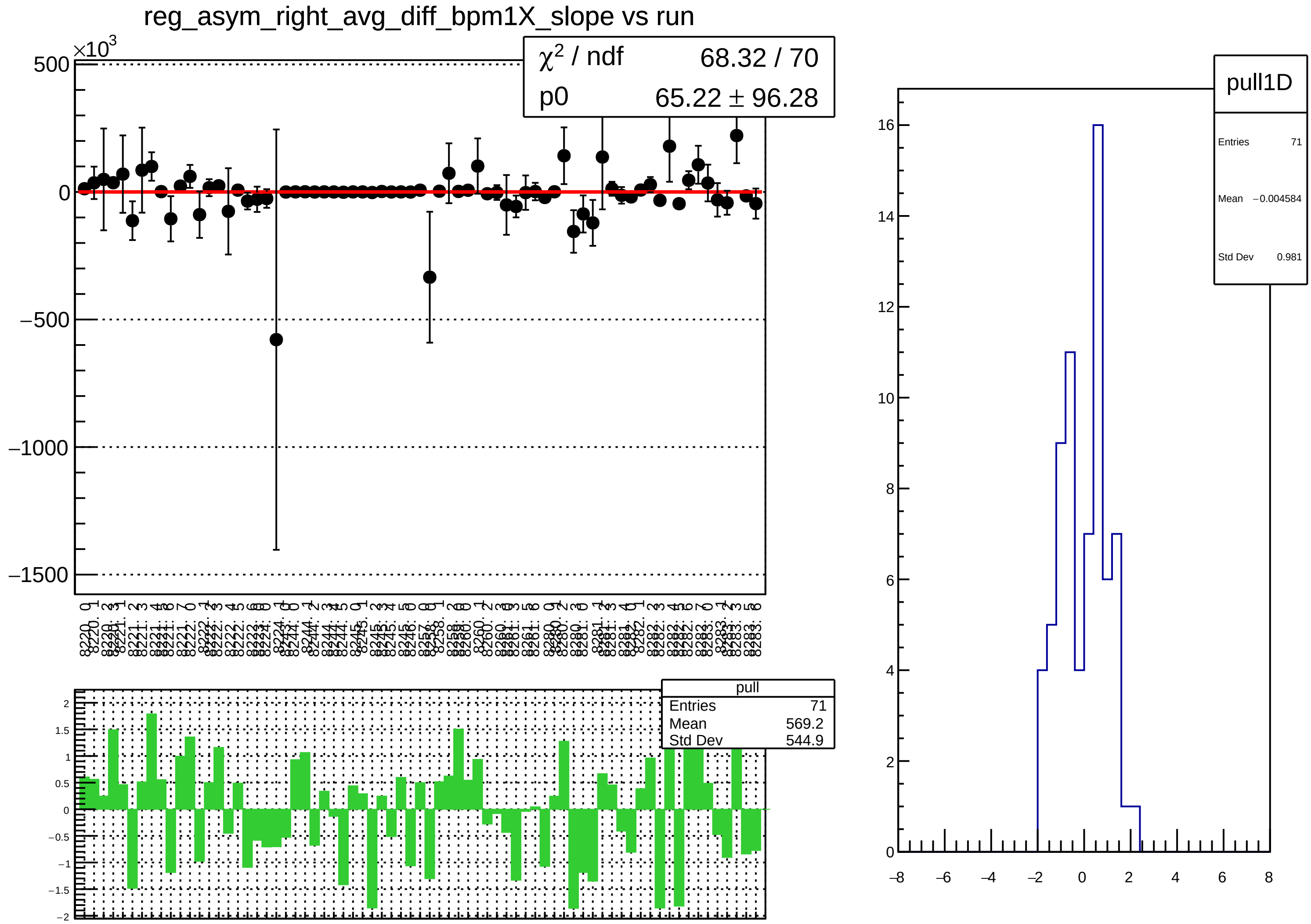


reg_asym_left_dd_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 90.68 / 77
p0 −2.917 ± 18.09
600
400
200
0
−200
pull
Entries 78
Mean −219.6
Std Dev 254
pull1D
Entries 78
Mean −0.02104
Std Dev 1.078
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8

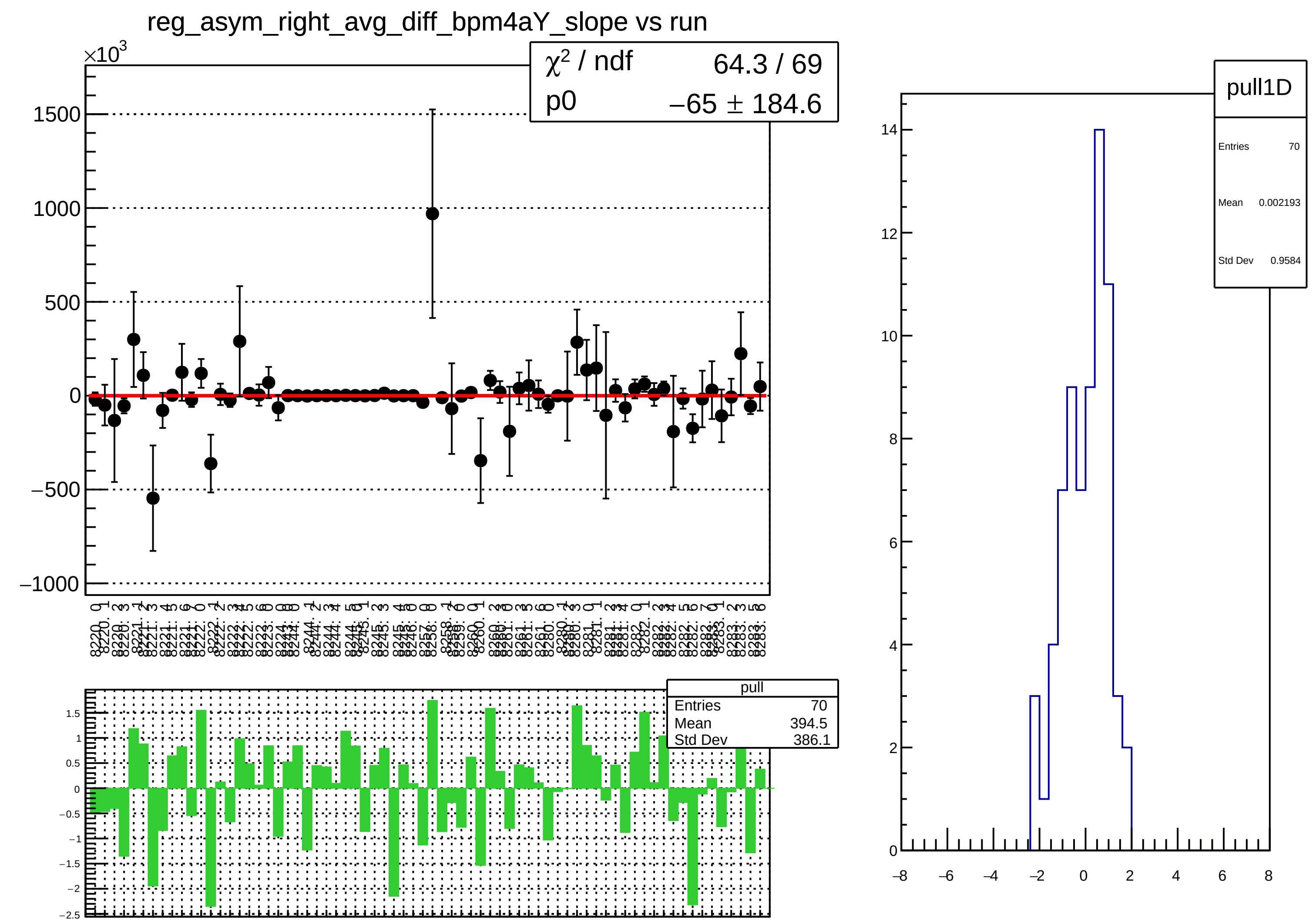


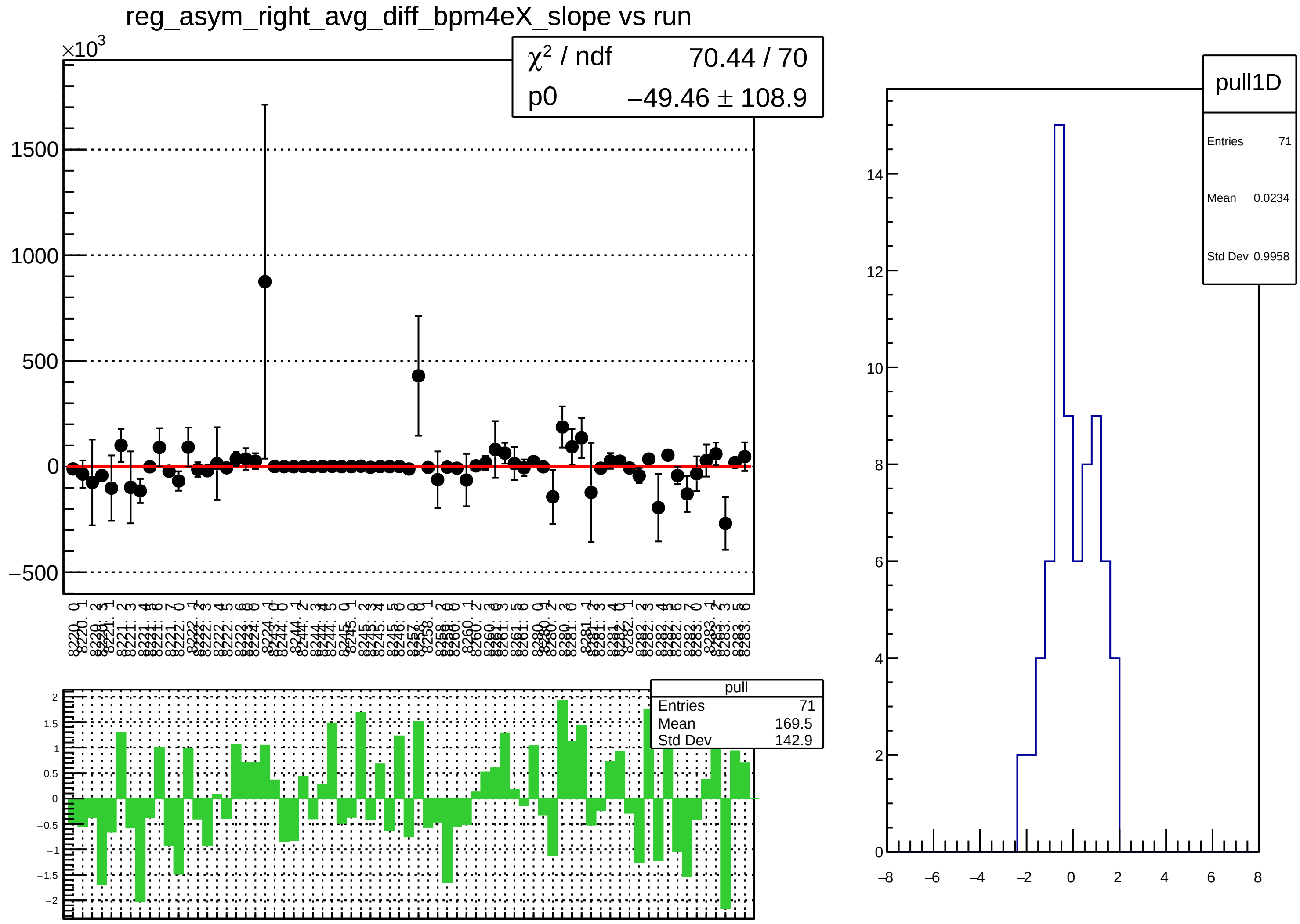
reg_asym_left_dd_diff_bpm4eY_slope vs run
χ2 / ndf 63.71 / 77
p0 24.36 ± 34.04
pull
Entries 78
Mean 37.47
Std Dev 39.44
pull1D
Entries 78
Mean 0.06053
Std Dev 0.9017


reg_asym_left_dd_diff_bpm12X_slope vs run
χ2 / ndf 86.9 / 77
p0 −20.03 ± 1.811
pull
Entries 78
Mean 35.12
Std Dev 26.5
pull1D
Entries 78
Mean 0.08615
Std Dev 1.052

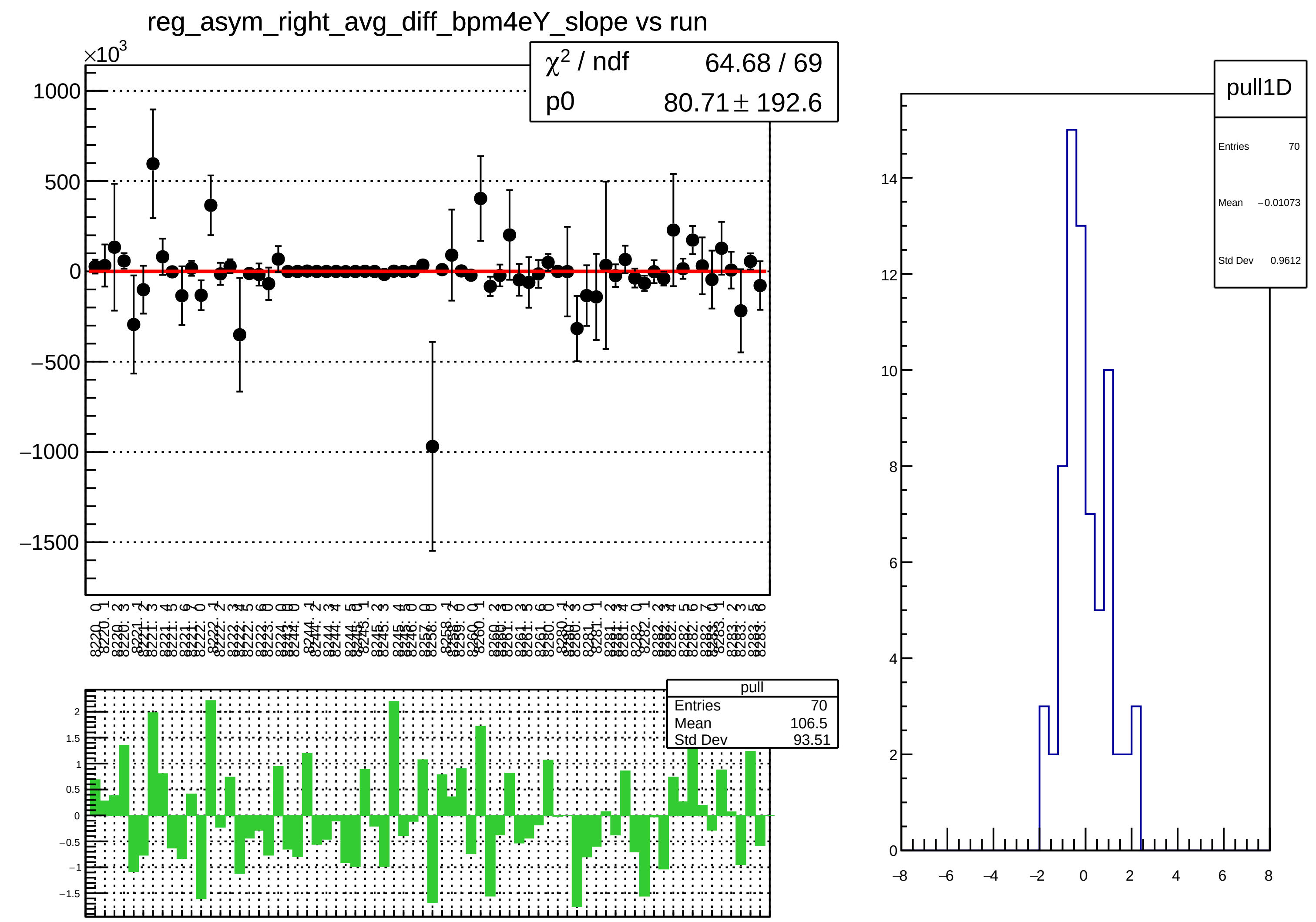


reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ2 / ndf 68.32 / 70
p0 65.22 ± 96.28
pull
Entries 71
Mean 569.2
Std Dev 544.9
pull1D
Entries 71
Mean −0.004584
Std Dev 0.981

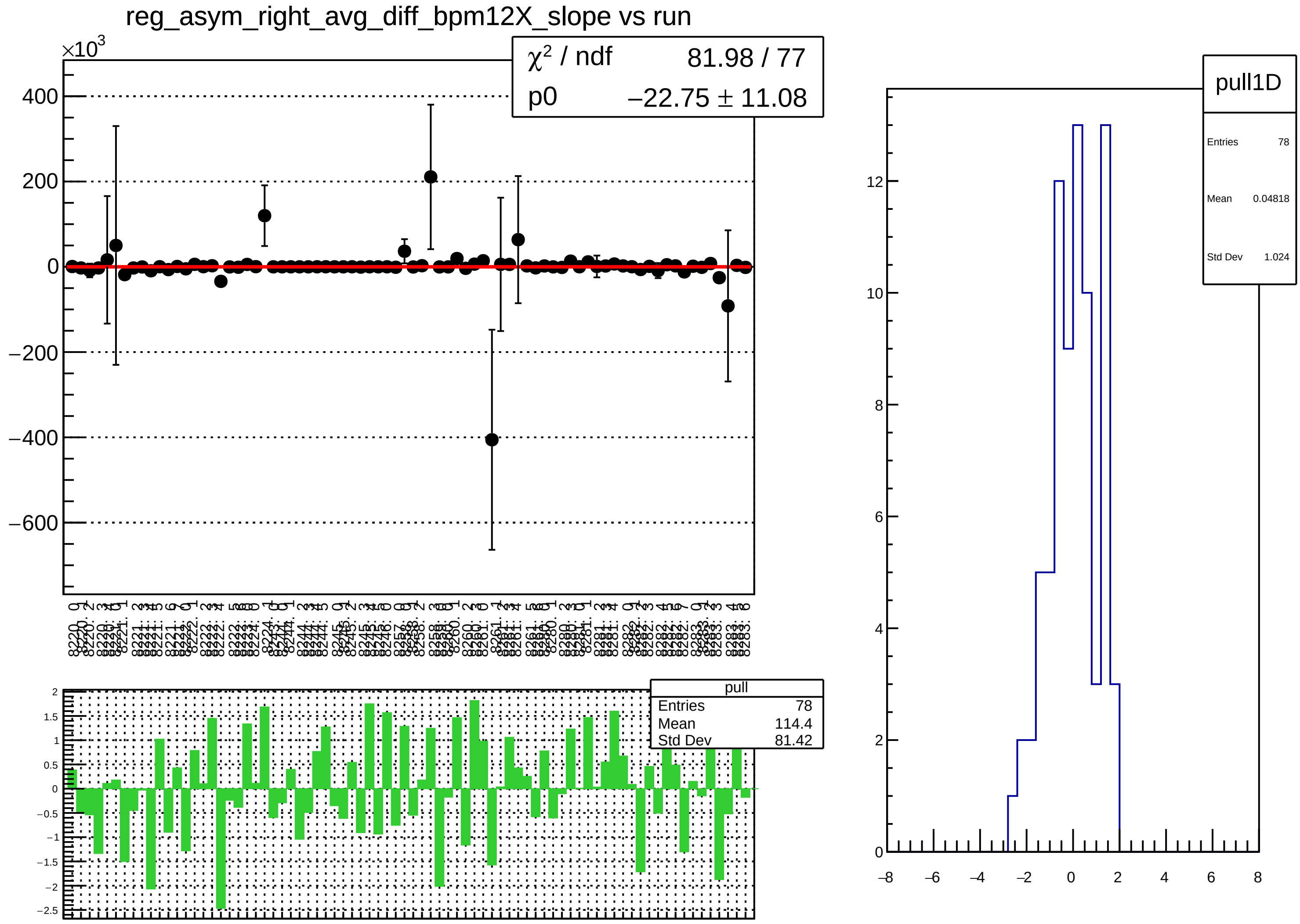

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ2 / ndf 64.3 / 69
p0 −65 ± 184.6
pull
Entries 70
Mean 394.5
Std Dev 386.1
pull1D
Entries 70
Mean 0.002193
Std Dev 0.9584



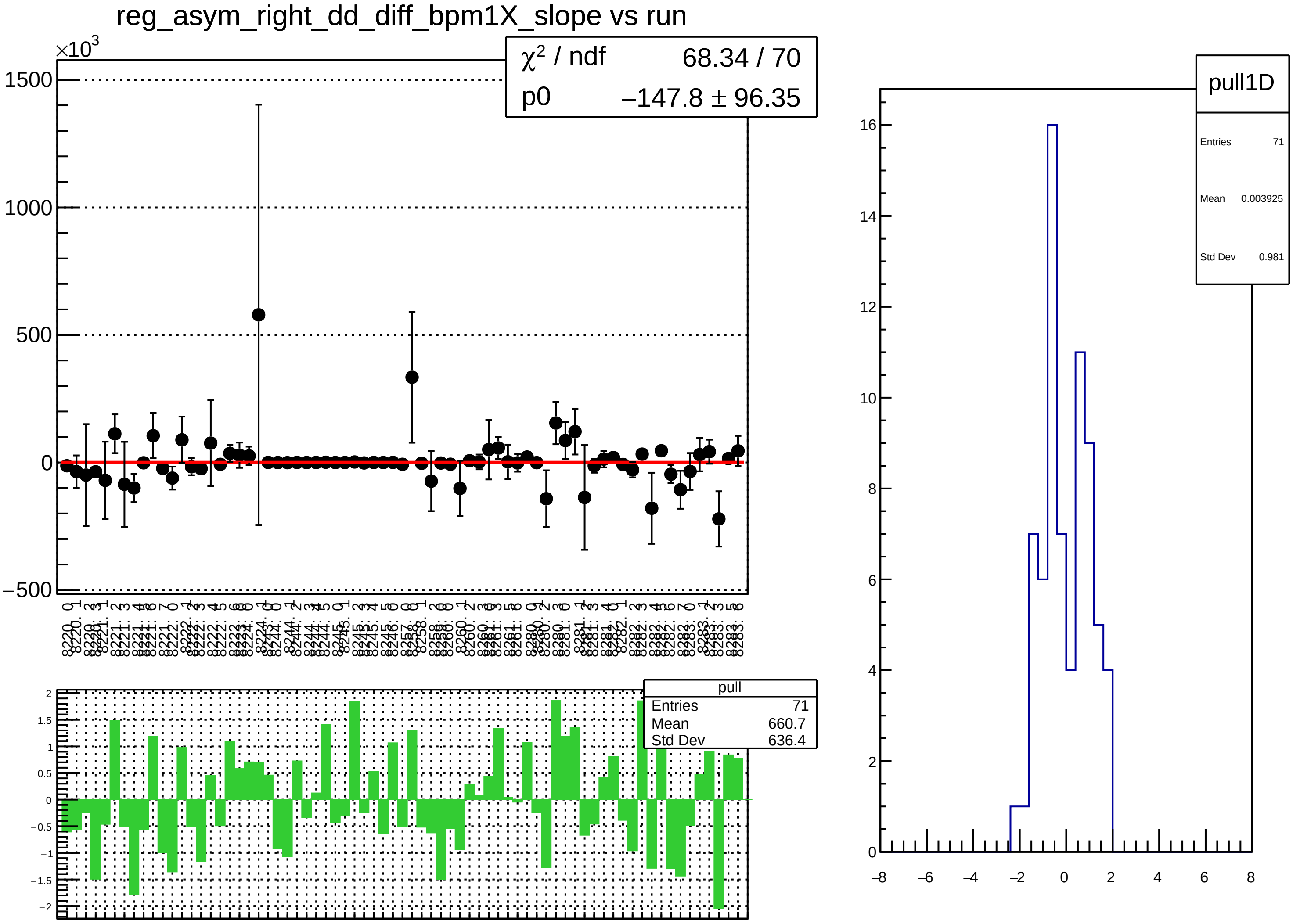
reg_asym_right_avg_diff_bpm4eX_slope vs run
$\times10^3$
χ^2 / ndf 70.44 / 70
p0 −49.46 ± 108.9
pull
Entries 71
Mean 169.5
Std Dev 142.9
pull1D
Entries 71
Mean 0.0234
Std Dev 0.9958



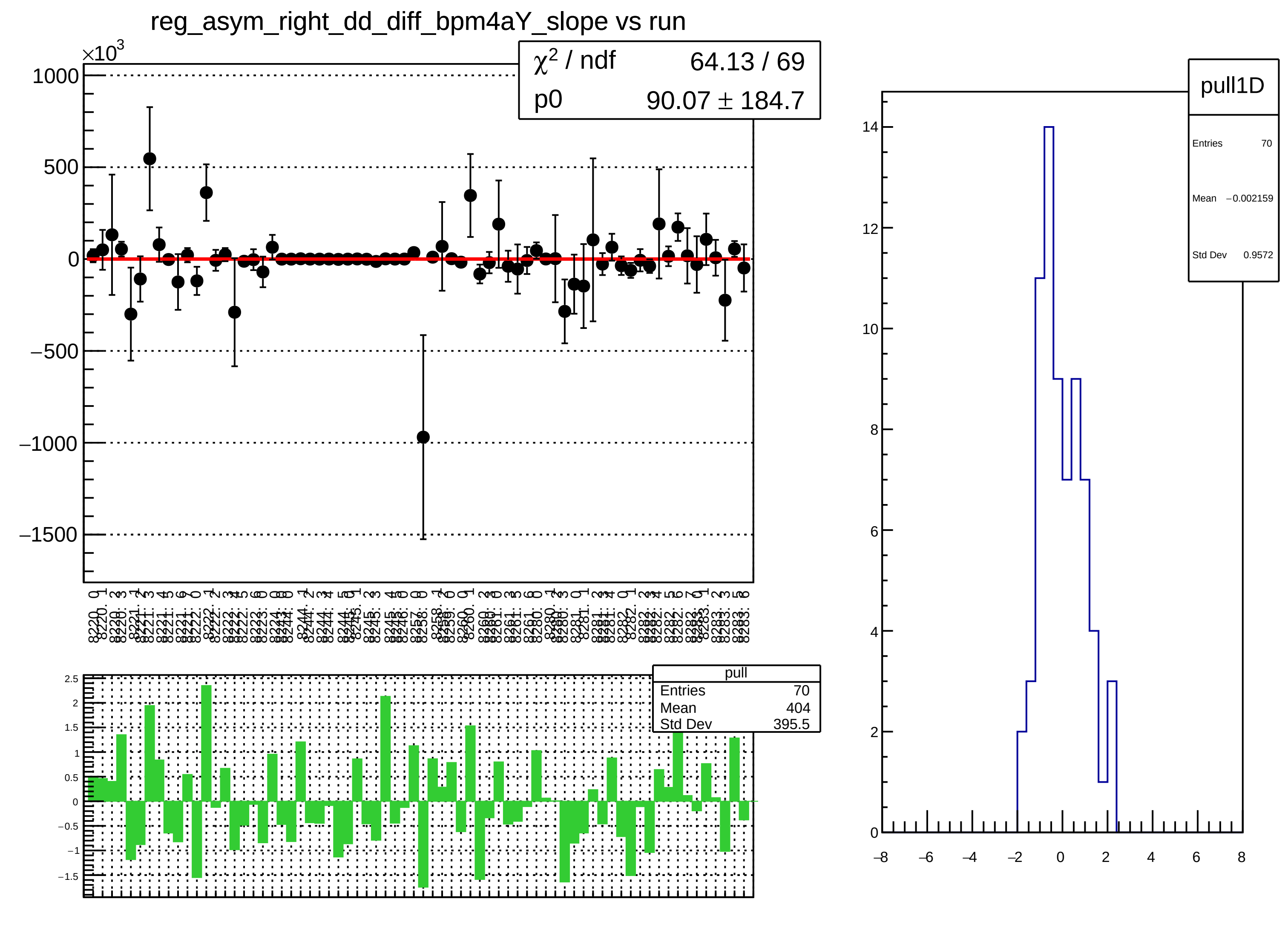
reg_asym_right_avg_diff_bpm4eY_slope vs run
$\times 10^3$
χ^2 / ndf 64.68 / 69
p0 80.71 ± 192.6
pull
Entries 70
Mean 106.5
Std Dev 93.51
pull1D
Entries 70
Mean −0.01073
Std Dev 0.9612



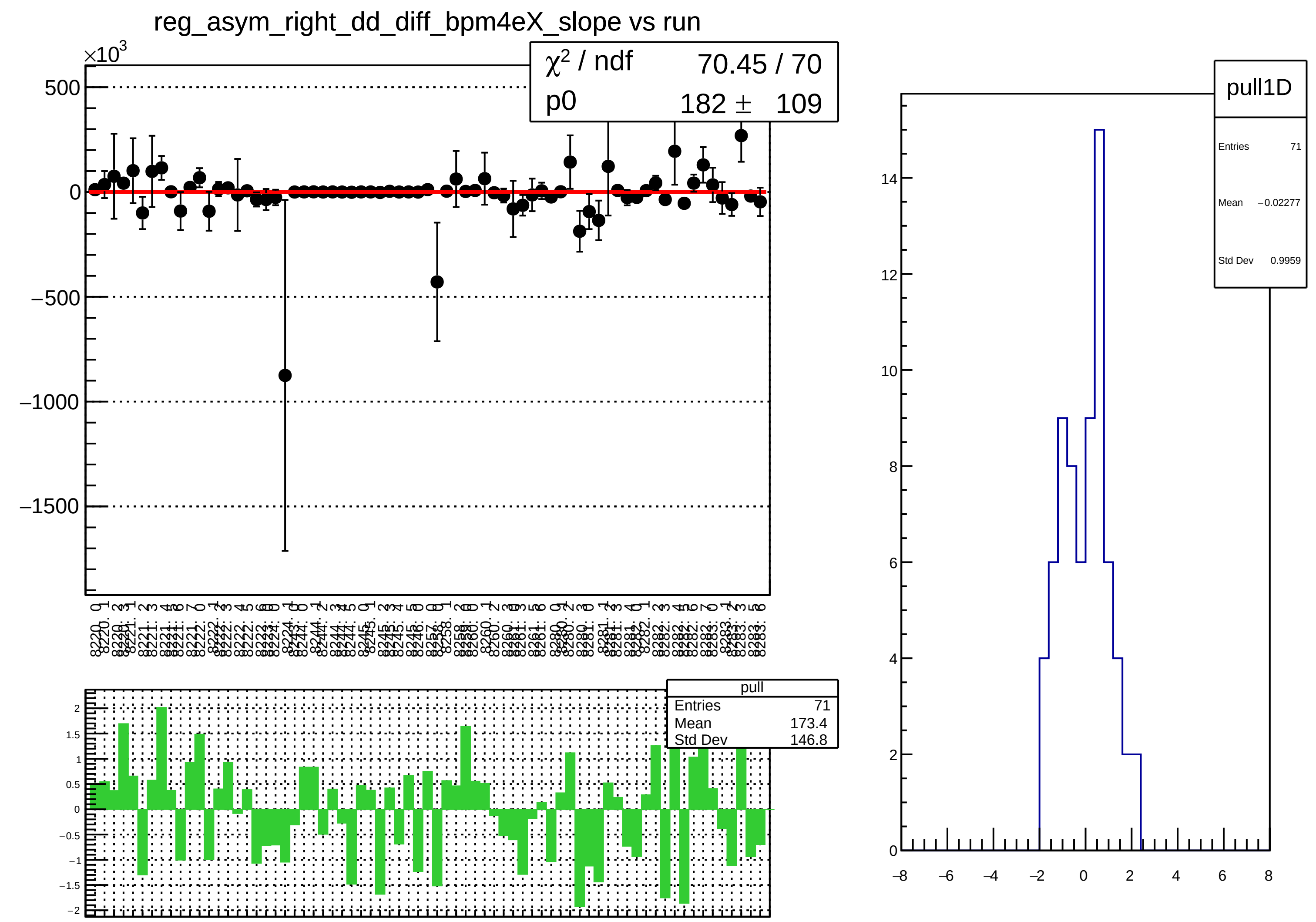
reg_asym_right_avg_diff_bpm12X_slope vs run
×10^3
χ2 / ndf 81.98 / 77
p0 −22.75 ± 11.08
400
200
0
−200
−400
−600
pull
Entries 78
Mean 114.4
Std Dev 81.42
pull1D
Entries 78
Mean 0.04818
Std Dev 1.024



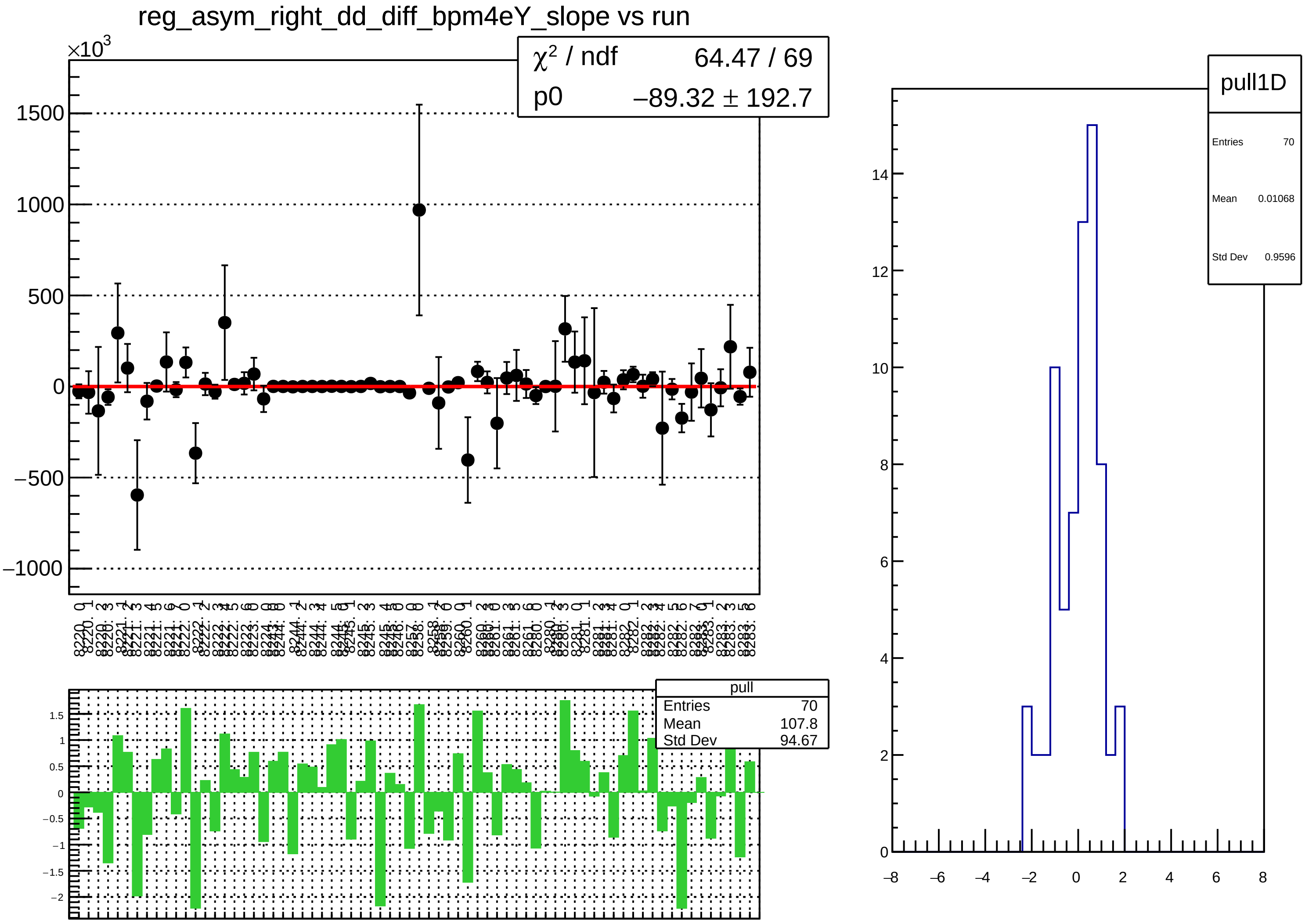
reg_asym_right_dd_diff_bpm1X_slope vs run
χ2 / ndf 68.34 / 70
p0 −147.8 ± 96.35
pull
Entries 71
Mean 660.7
Std Dev 636.4
pull1D
Entries 71
Mean 0.003925
Std Dev 0.981



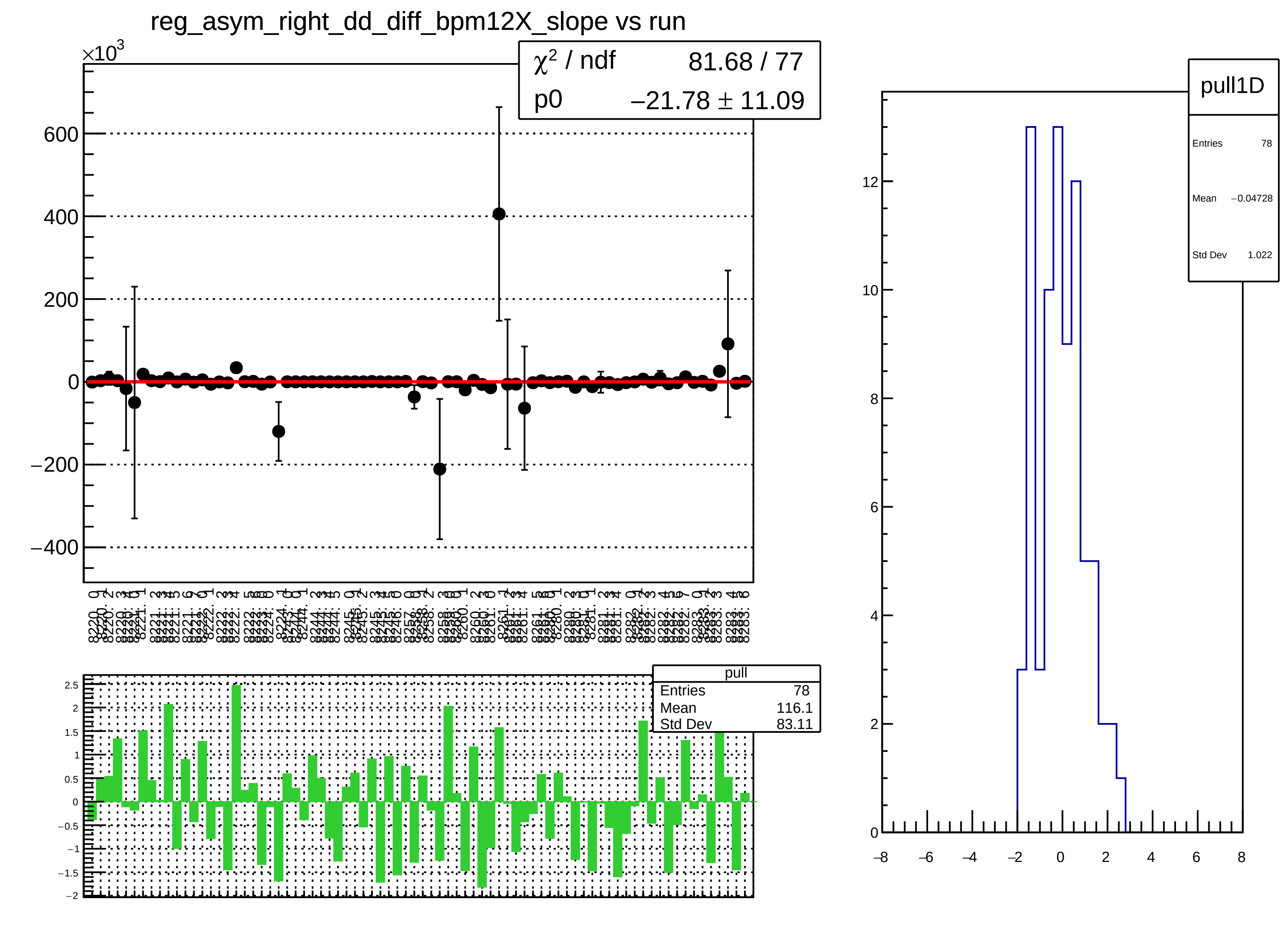
reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 64.13 / 69
p0 90.07 ± 184.7
pull
Entries 70
Mean 404
Std Dev 395.5
pull1D
Entries 70
Mean −0.002159
Std Dev 0.9572



reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 70.45 / 70
p0 182 ± 109
500
0
−500
−1000
−1500
pull
Entries 71
Mean 173.4
Std Dev 146.8
pull1D
Entries 71
Mean −0.02277
Std Dev 0.9959

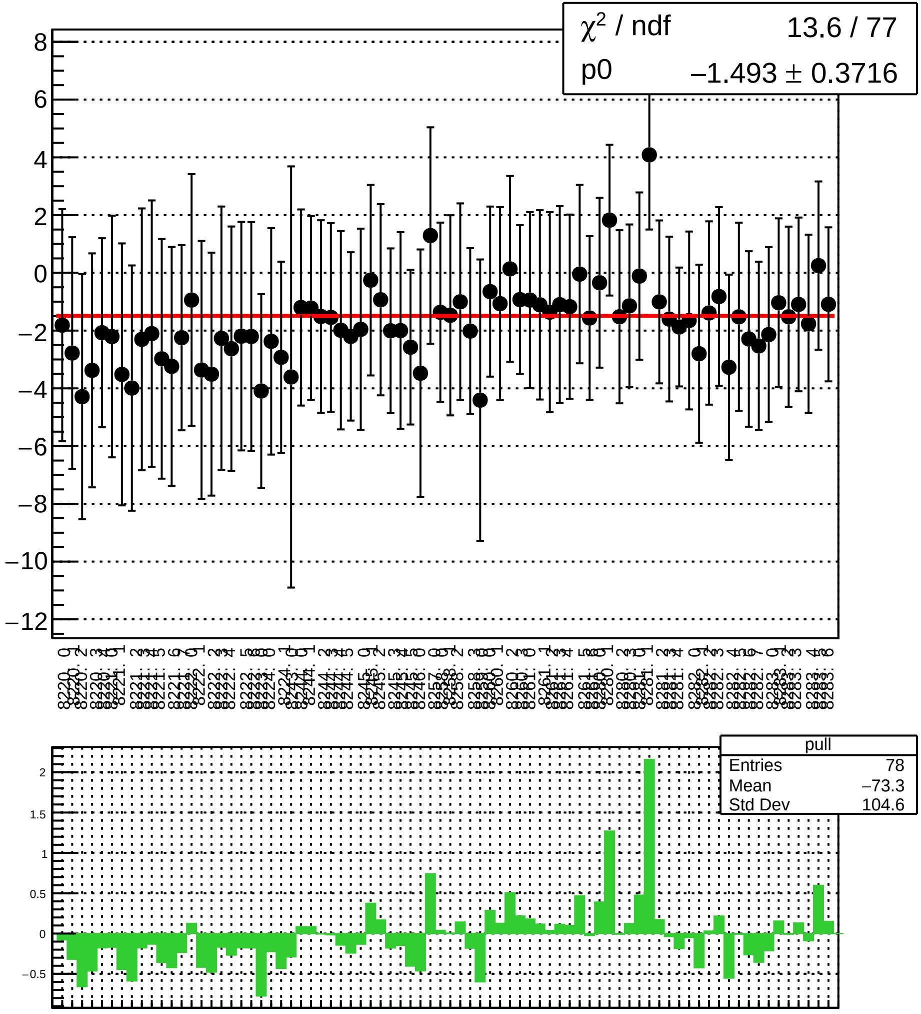


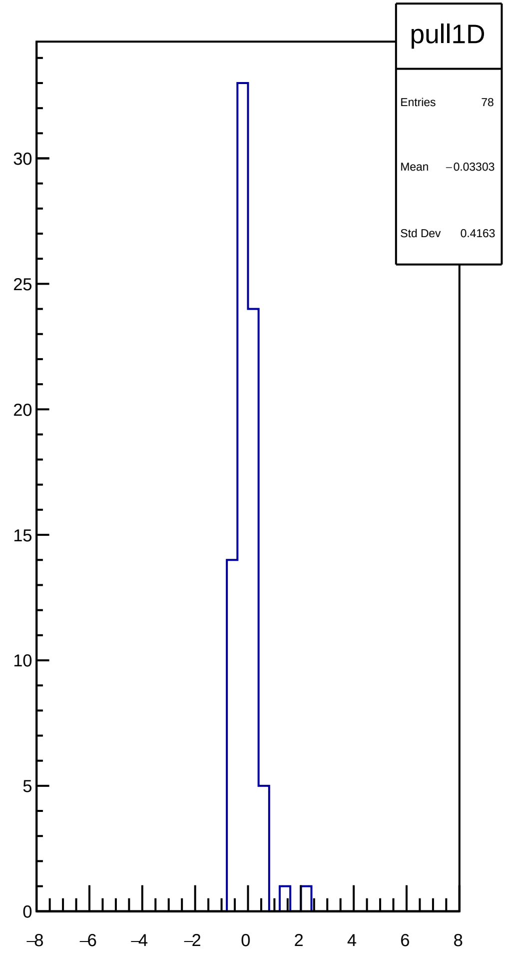
reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 64.47 / 69
p0 −89.32 ± 192.7
pull
Entries 70
Mean 107.8
Std Dev 94.67
pull1D
Entries 70
Mean 0.01068
Std Dev 0.9596

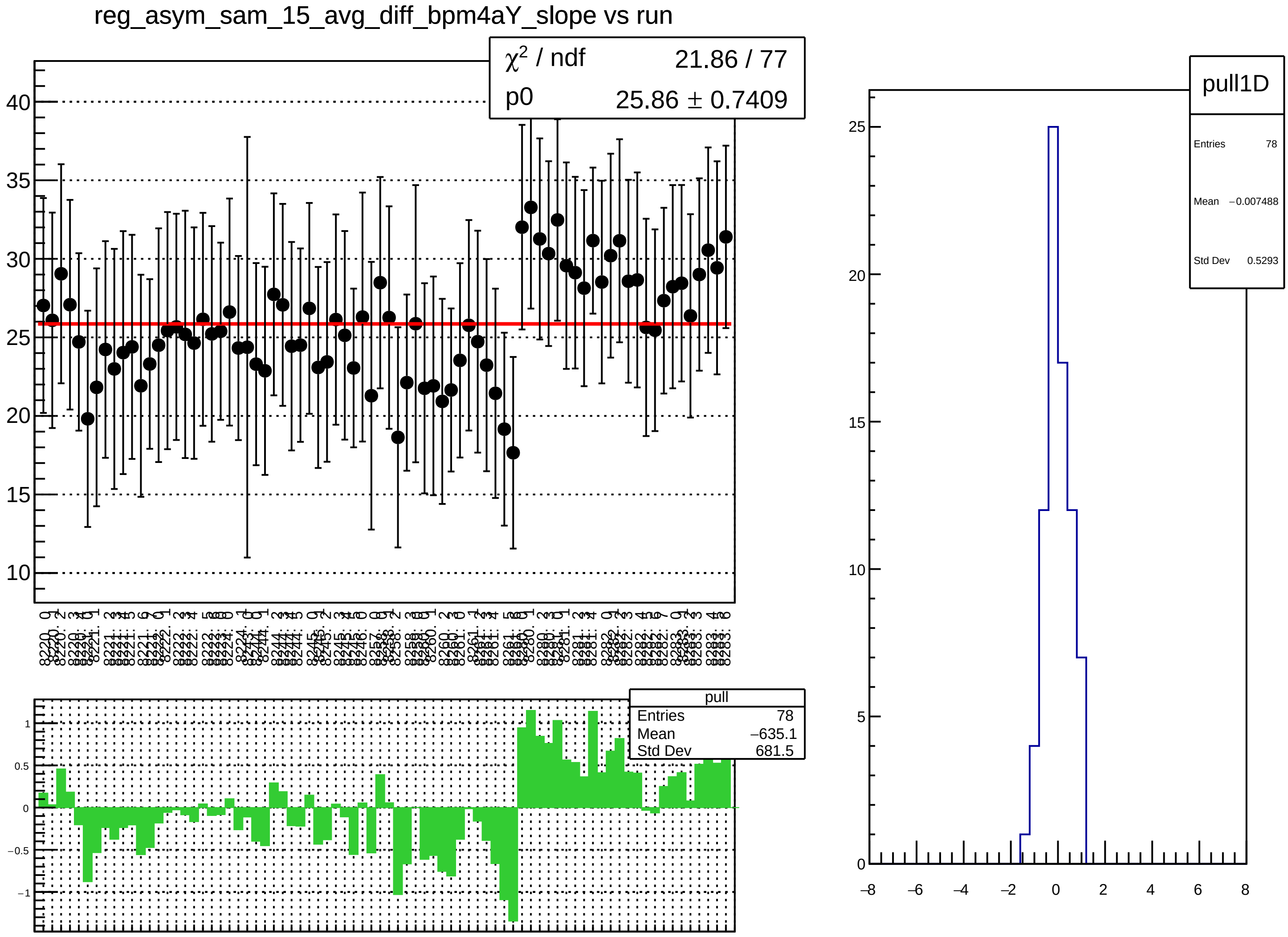


reg_asym_right_dd_diff_bpm12X_slope vs run
×10^3
χ2 / ndf 81.68 / 77
p0 −21.78 ± 11.09
pull
Entries 78
Mean 116.1
Std Dev 83.11
pull1D
Entries 78
Mean −0.04728
Std Dev 1.022

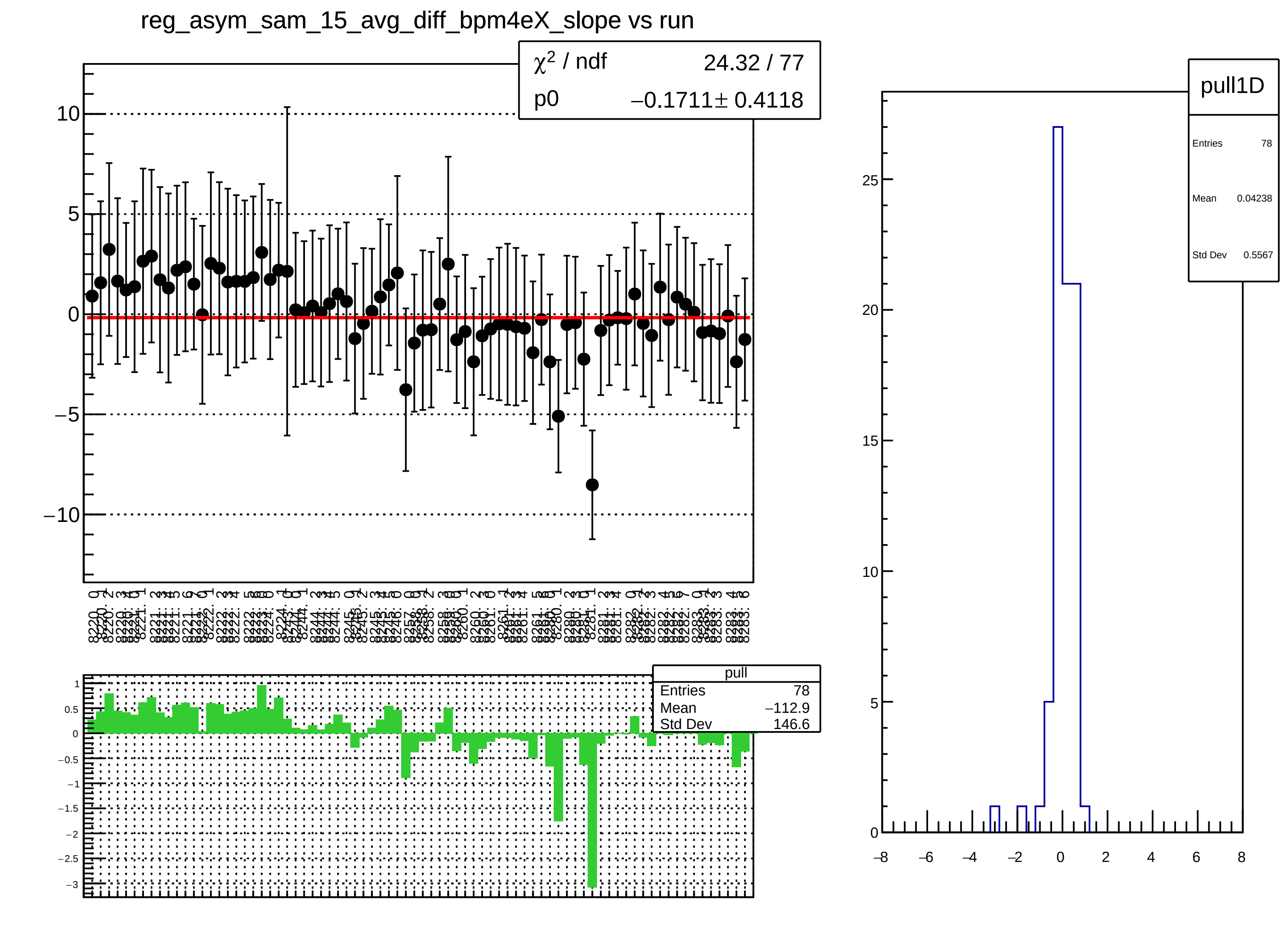
reg_asym_sam_15_avg_diff_bpm1X_slope vs run

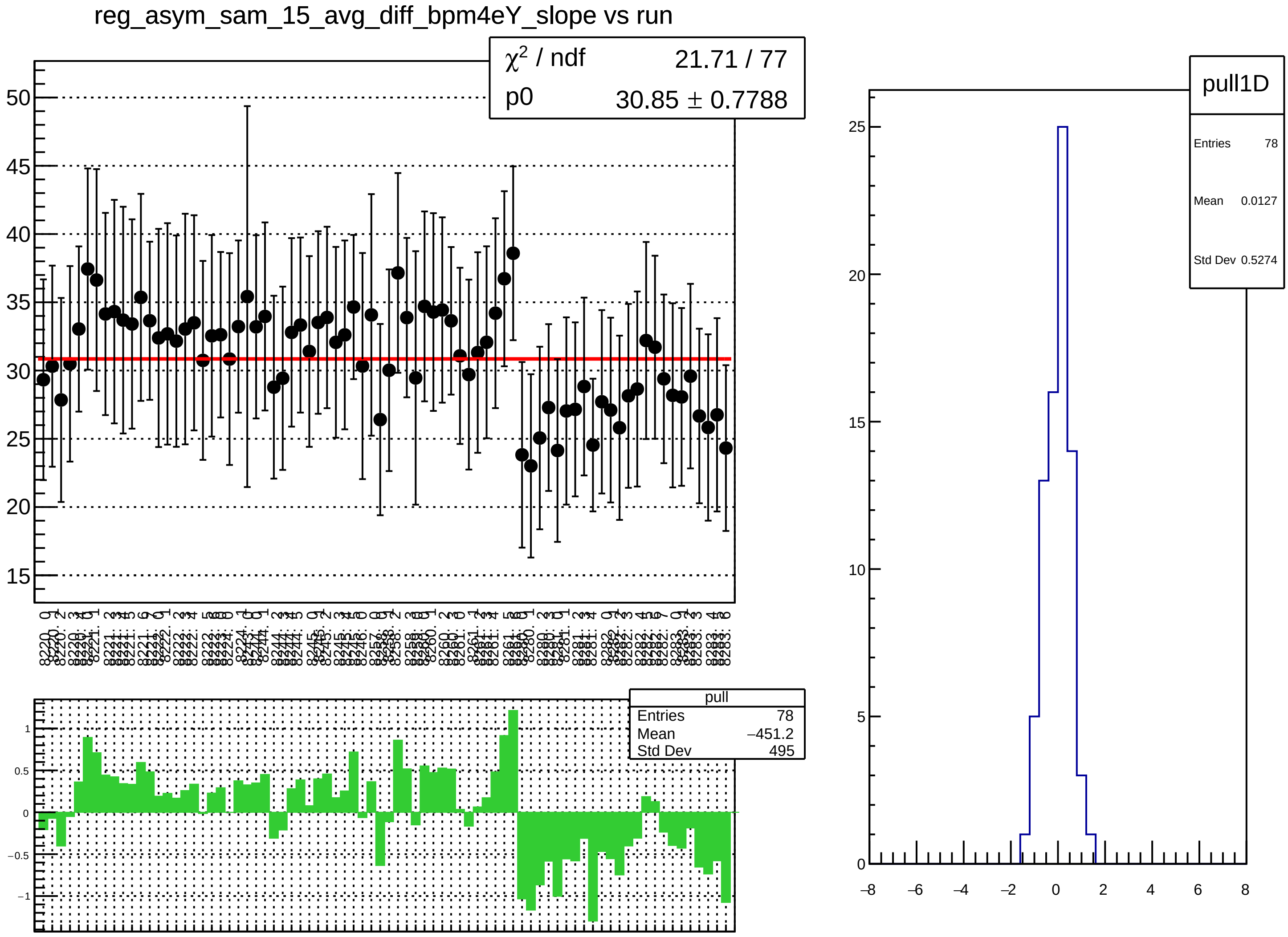




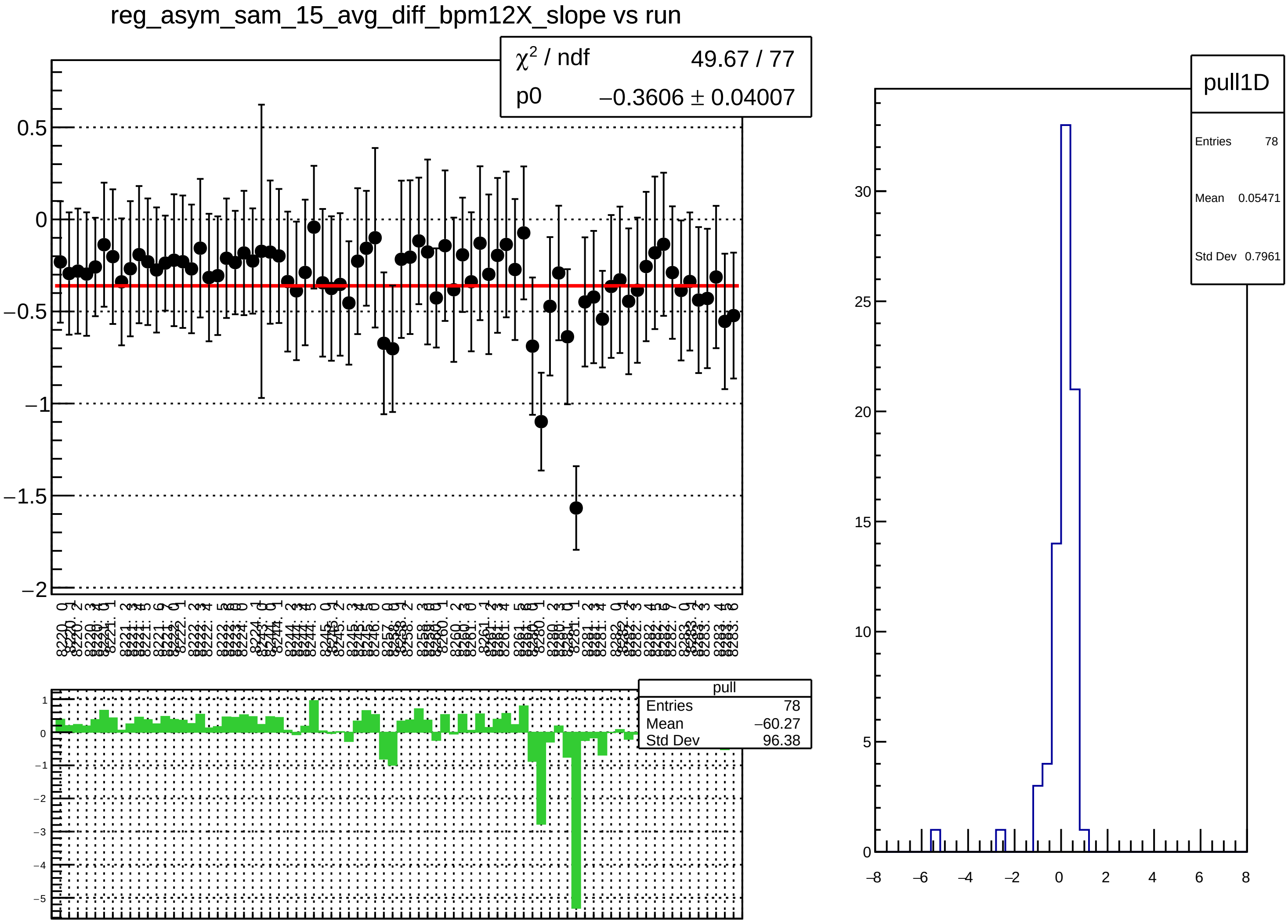


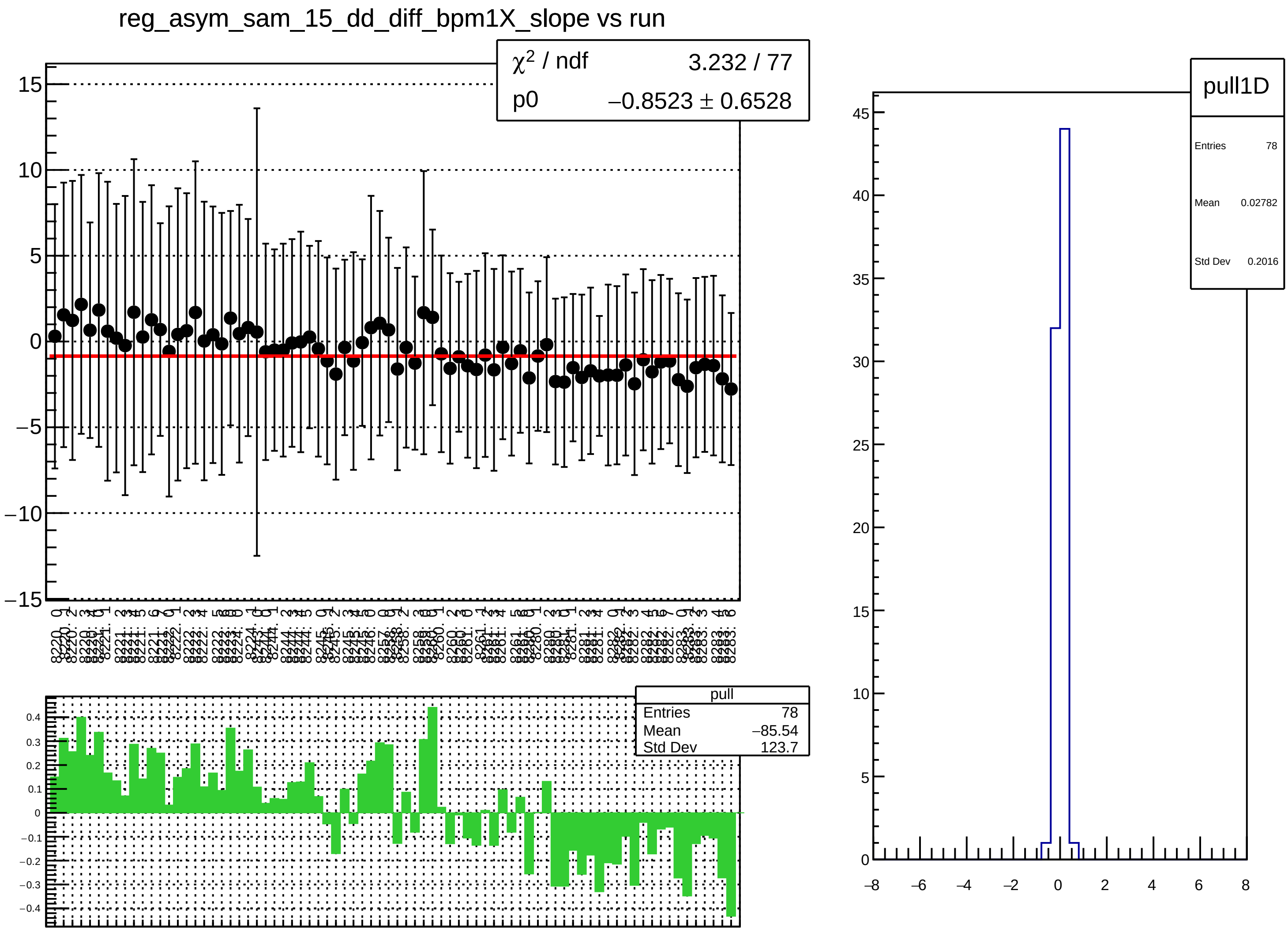
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ2 / ndf 21.86 / 77
p0 25.86 ± 0.7409
pull
Entries 78
Mean −635.1
Std Dev 681.5
pull1D
Entries 78
Mean −0.007488
Std Dev 0.5293


reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 24.32 / 77
p0 −0.1711± 0.4118
pull
Entries 78
Mean −112.9
Std Dev 146.6
pull1D
Entries 78
Mean 0.04238
Std Dev 0.5567

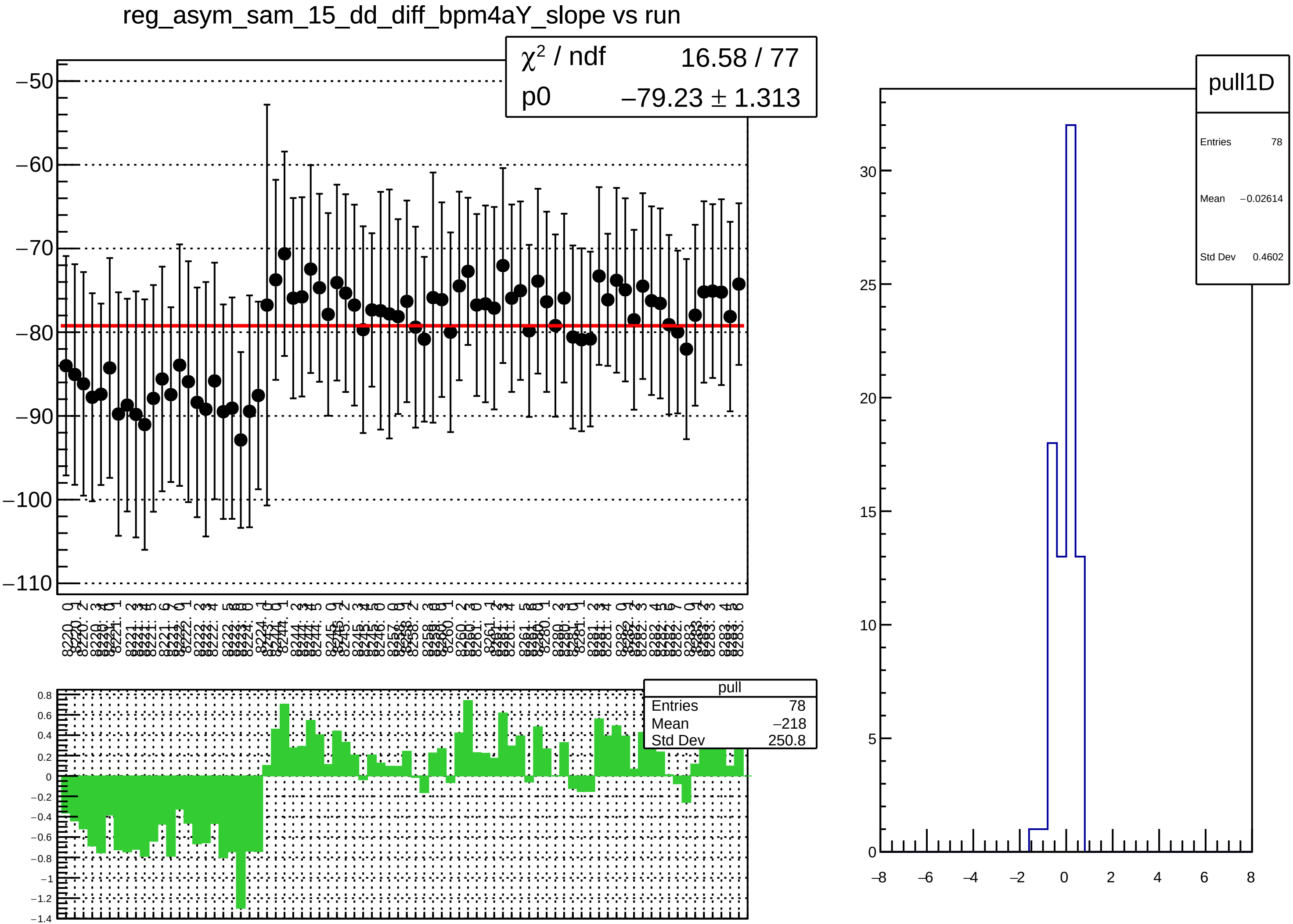


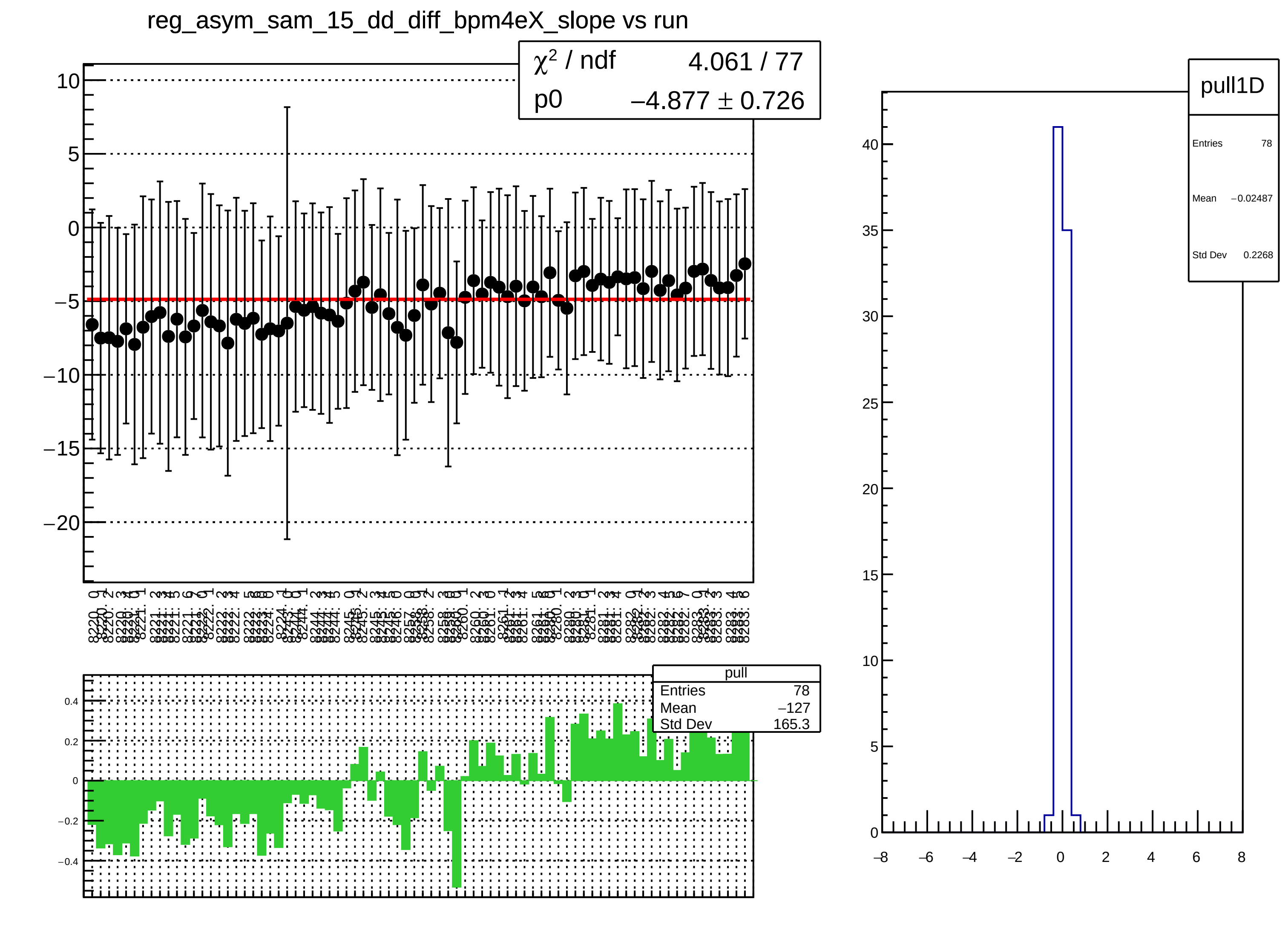
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ2 / ndf 21.71 / 77
p0 30.85 ± 0.7788
pull
Entries 78
Mean −451.2
Std Dev 495
pull1D
Entries 78
Mean 0.0127
Std Dev 0.5274


reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ2 / ndf 49.67 / 77
p0 −0.3606 ± 0.04007
pull
Entries 78
Mean −60.27
Std Dev 96.38
pull1D
Entries 78
Mean 0.05471
Std Dev 0.7961

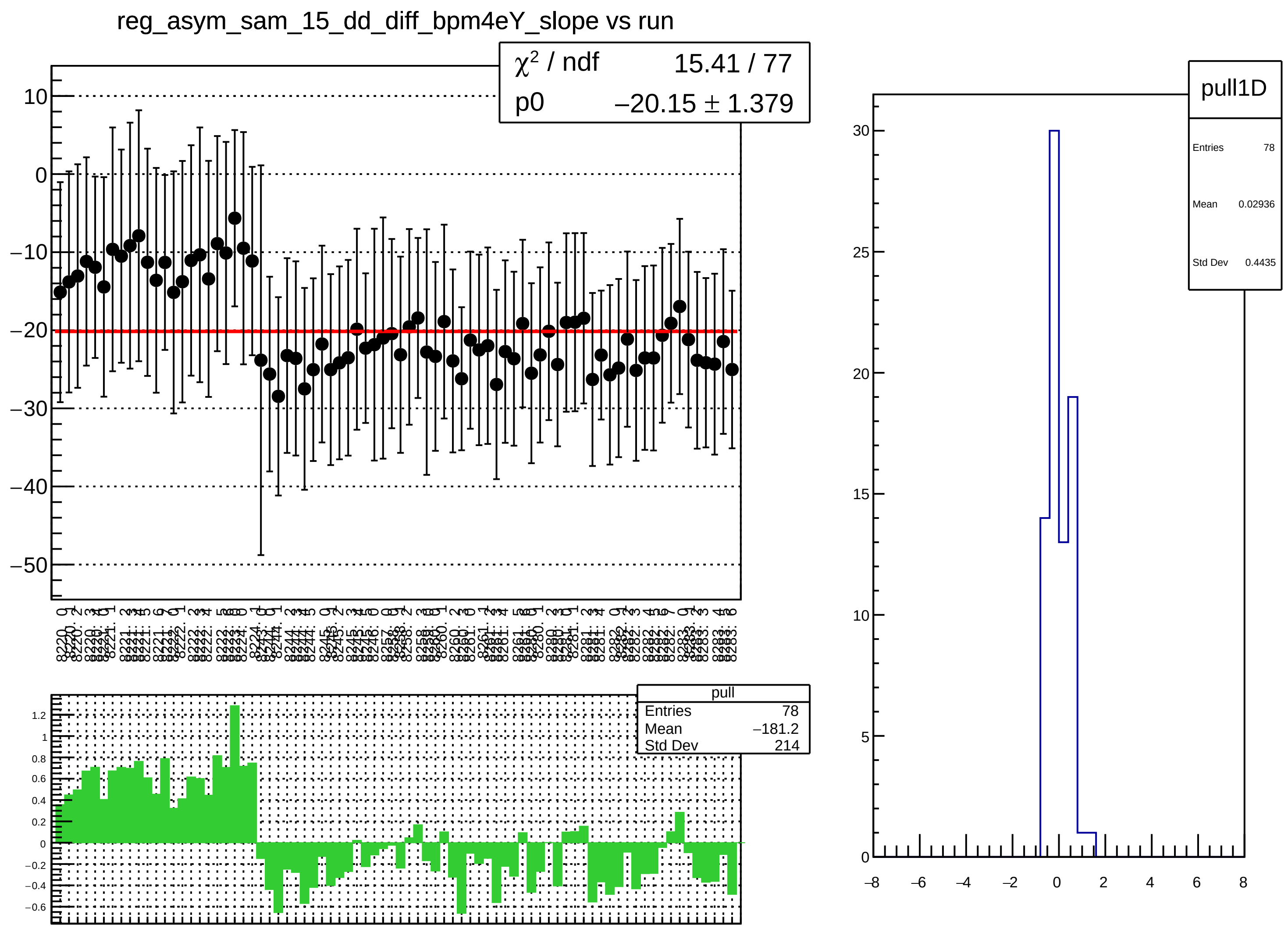


reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.232 / 77
p0 −0.8523 ± 0.6528
pull
Entries 78
Mean −85.54
Std Dev 123.7
pull1D
Entries 78
Mean 0.02782
Std Dev 0.2016

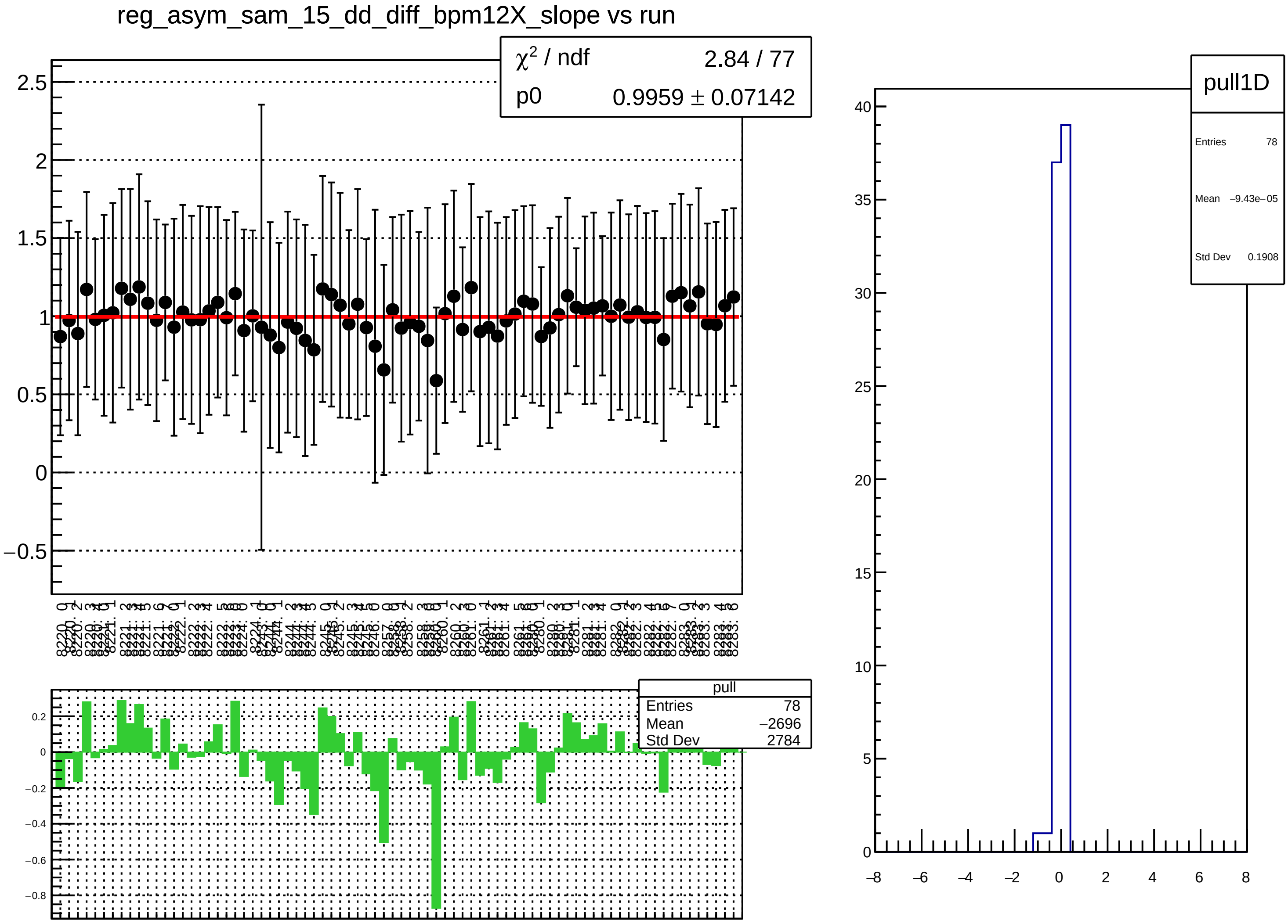

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ2 / ndf 16.58 / 77
p0 −79.23 ± 1.313
−50
−60
−70
−80
−90
−100
−110
pull
Entries 78
Mean −218
Std Dev 250.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 78
Mean −0.02614
Std Dev 0.4602
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



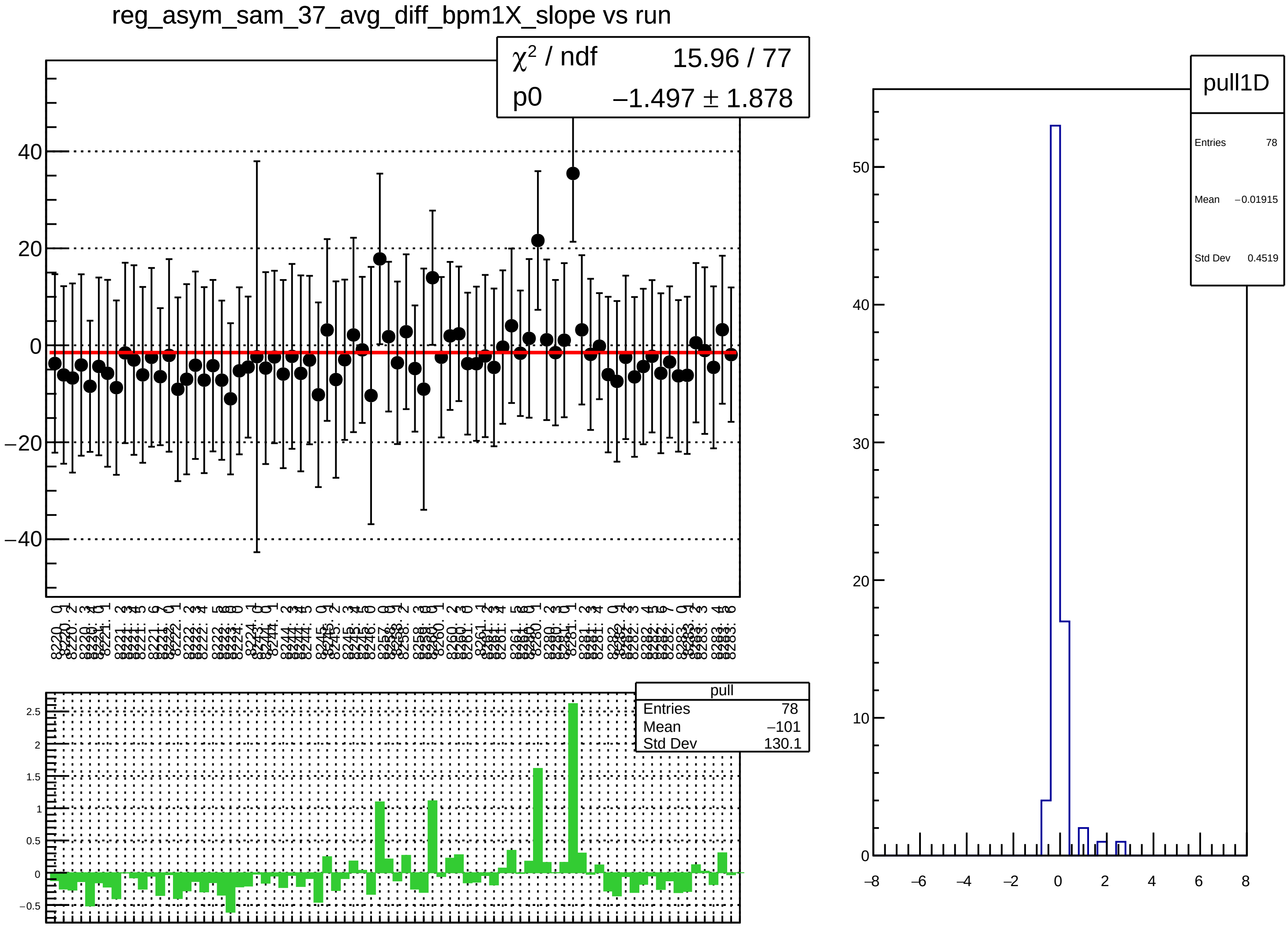
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.061 / 77
p0 −4.877 ± 0.726
pull
Entries 78
Mean −127
Std Dev 165.3
pull1D
Entries 78
Mean −0.02487
Std Dev 0.2268



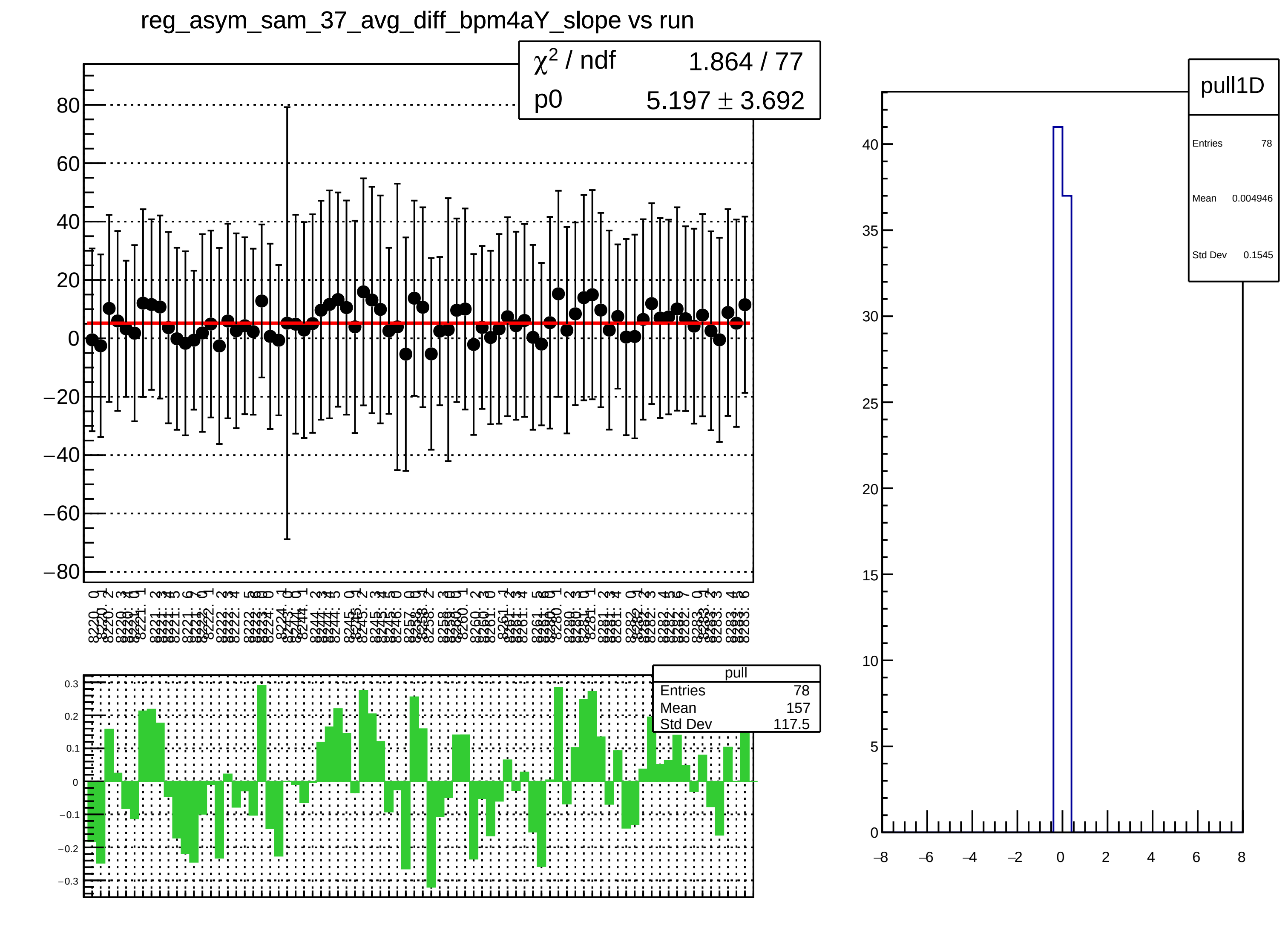
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 15.41 / 77
p0 −20.15 ± 1.379
pull
Entries 78
Mean −181.2
Std Dev 214
pull1D
Entries 78
Mean 0.02936
Std Dev 0.4435



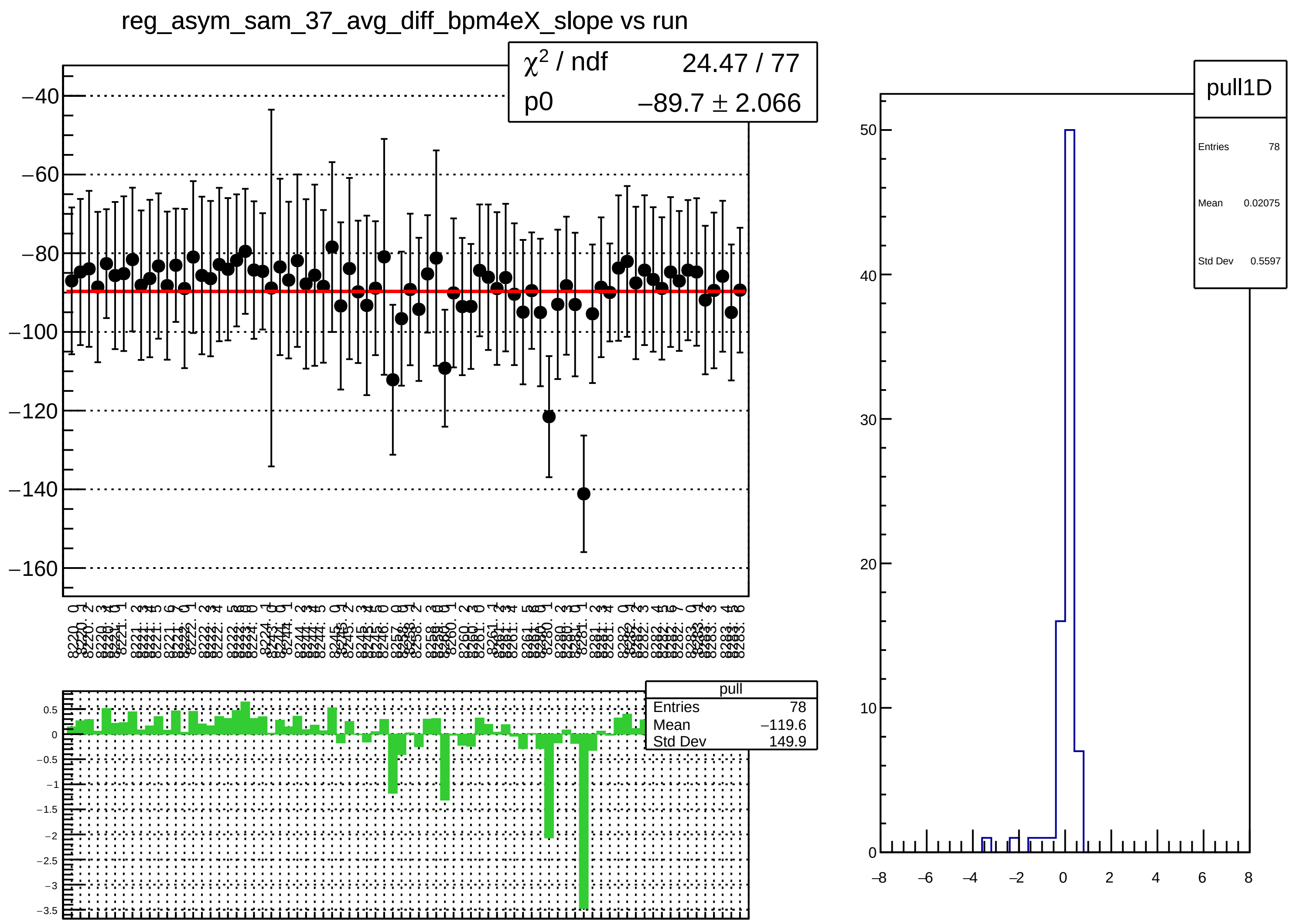
reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.84 / 77
p0 0.9959 ± 0.07142
pull
Entries 78
Mean −2696
Std Dev 2784
pull1D
Entries 78
Mean −9.43e−05
Std Dev 0.1908



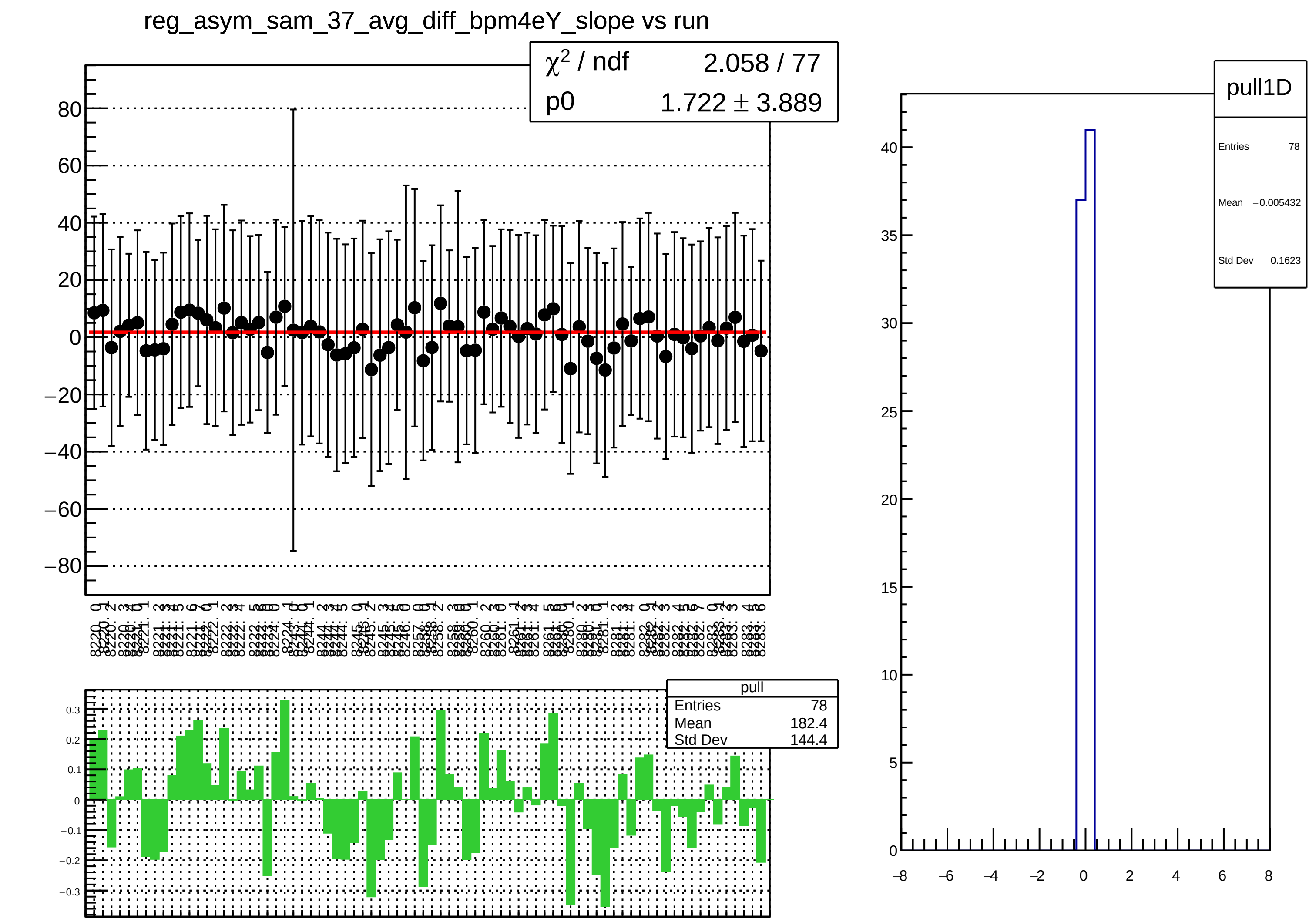
reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 15.96 / 77
p0 −1.497 ± 1.878
pull
Entries 78
Mean −101
Std Dev 130.1
pull1D
Entries 78
Mean −0.01915
Std Dev 0.4519



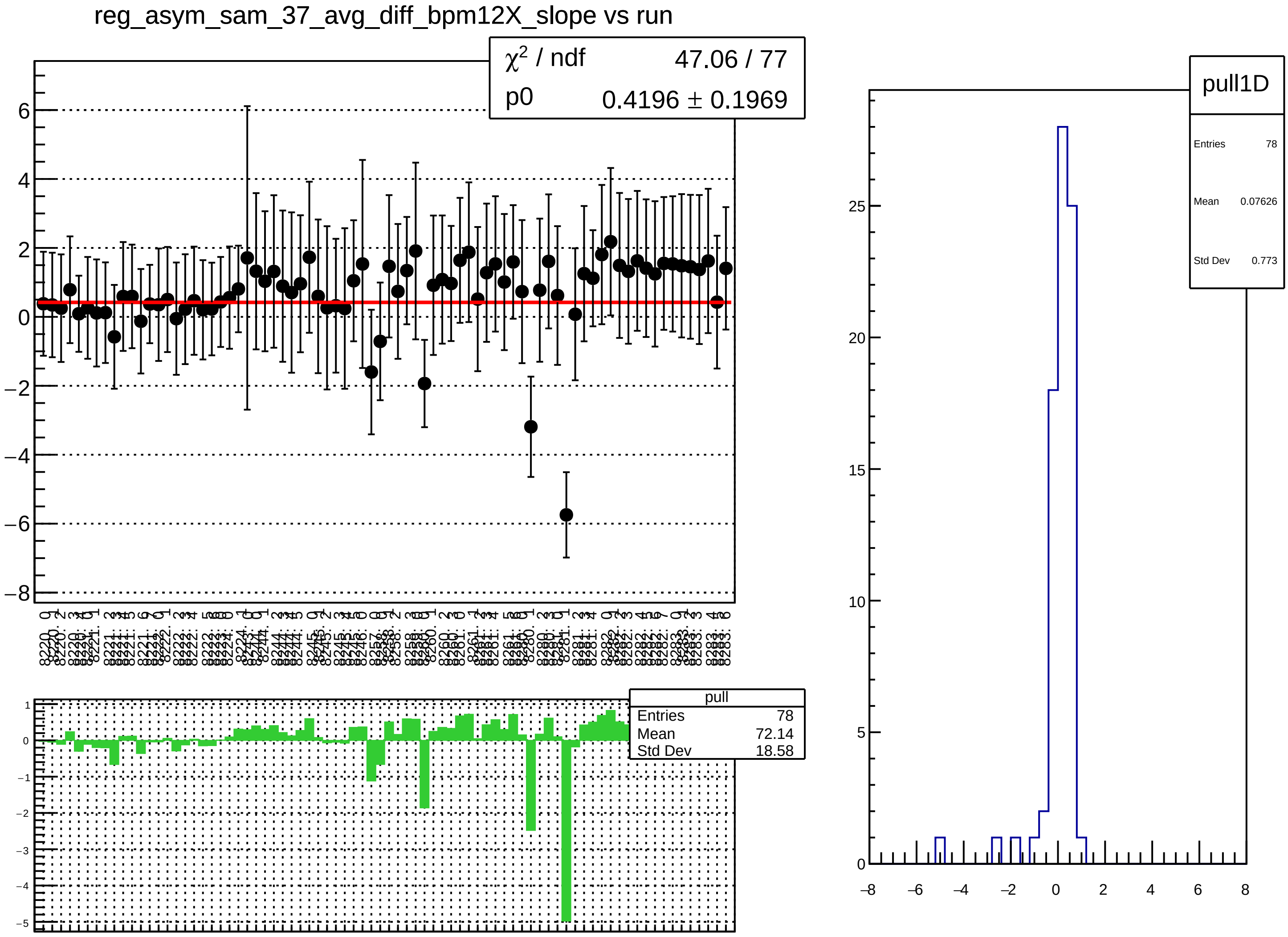
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.864 / 77
p0 5.197 ± 3.692
pull
Entries 78
Mean 157
Std Dev 117.5
pull1D
Entries 78
Mean 0.004946
Std Dev 0.1545



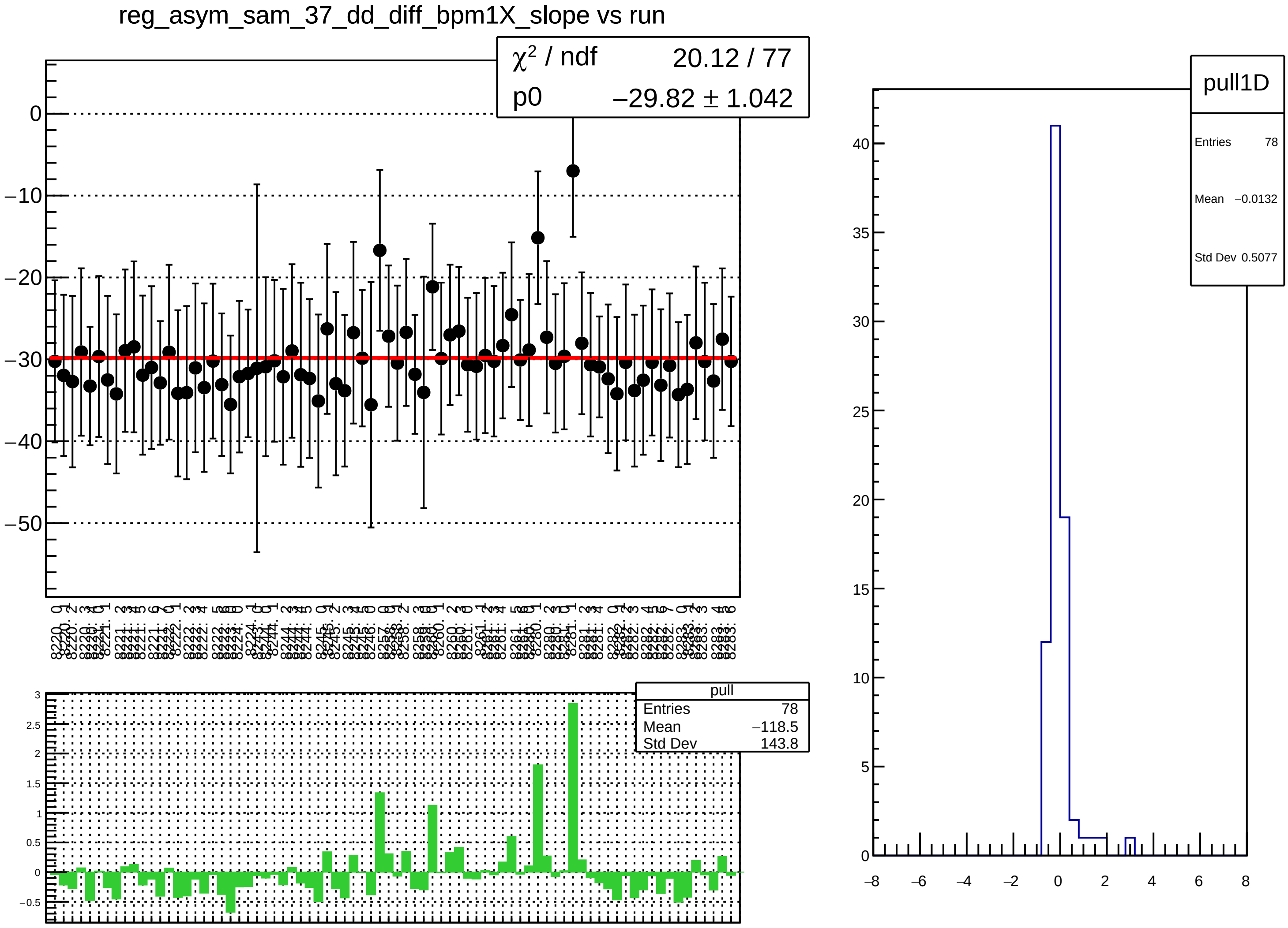
reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 24.47 / 77
p0 −89.7 ± 2.066
pull
Entries 78
Mean −119.6
Std Dev 149.9
pull1D
Entries 78
Mean 0.02075
Std Dev 0.5597



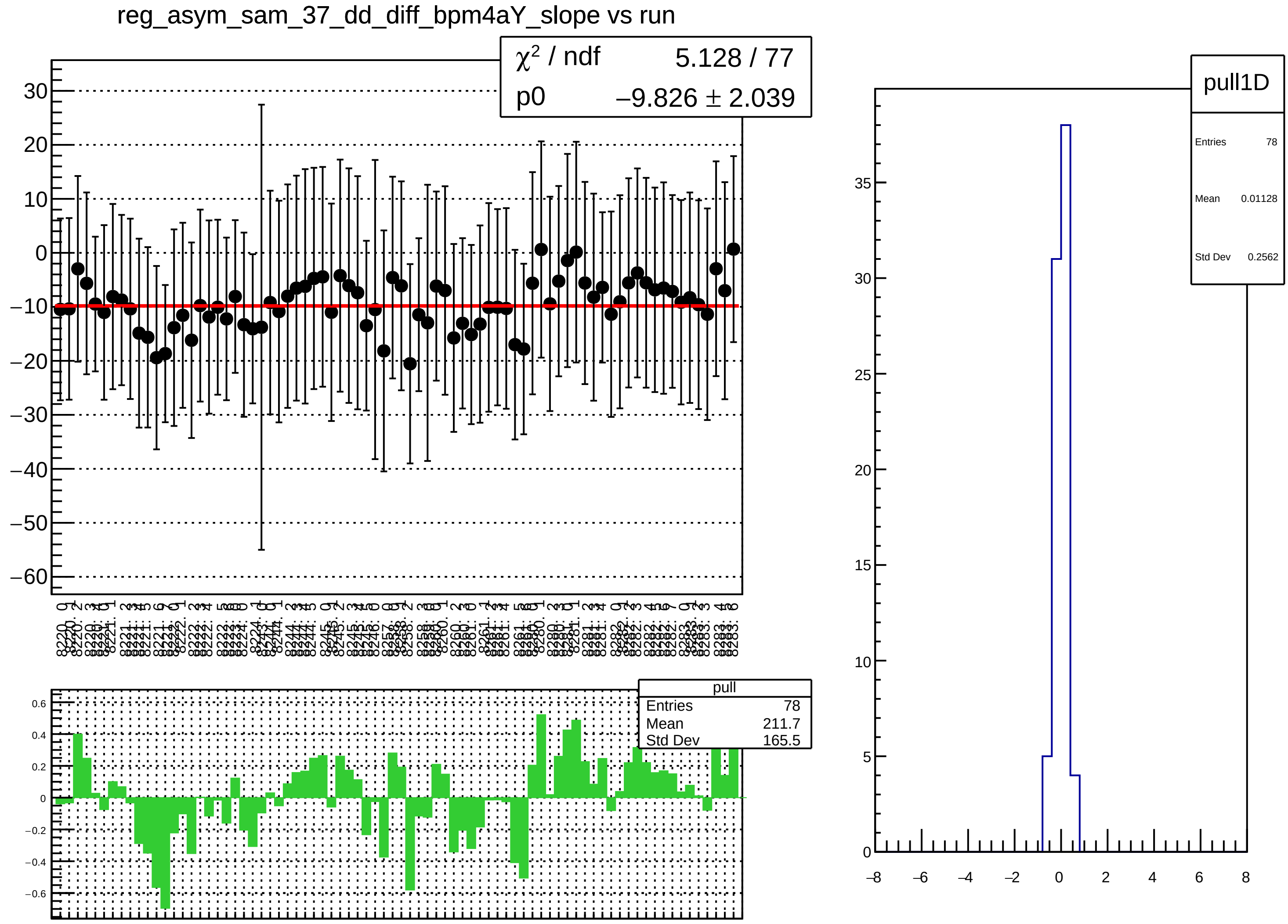
reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.058 / 77
p0 1.722 ± 3.889
pull
Entries 78
Mean 182.4
Std Dev 144.4
pull1D
Entries 78
Mean −0.005432
Std Dev 0.1623

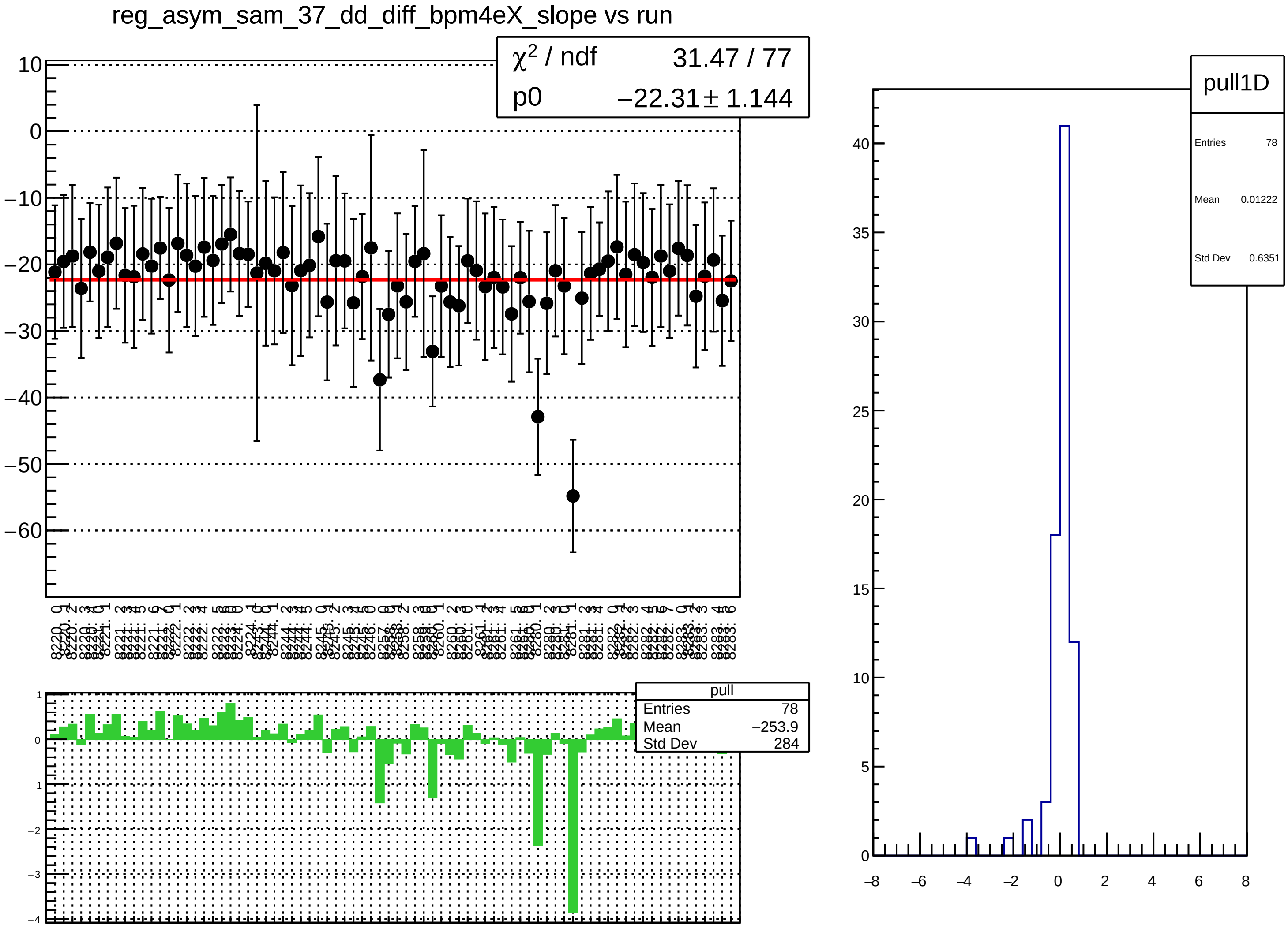


reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ2 / ndf 47.06 / 77
p0 0.4196 ± 0.1969
pull
Entries 78
Mean 72.14
Std Dev 18.58
pull1D
Entries 78
Mean 0.07626
Std Dev 0.773

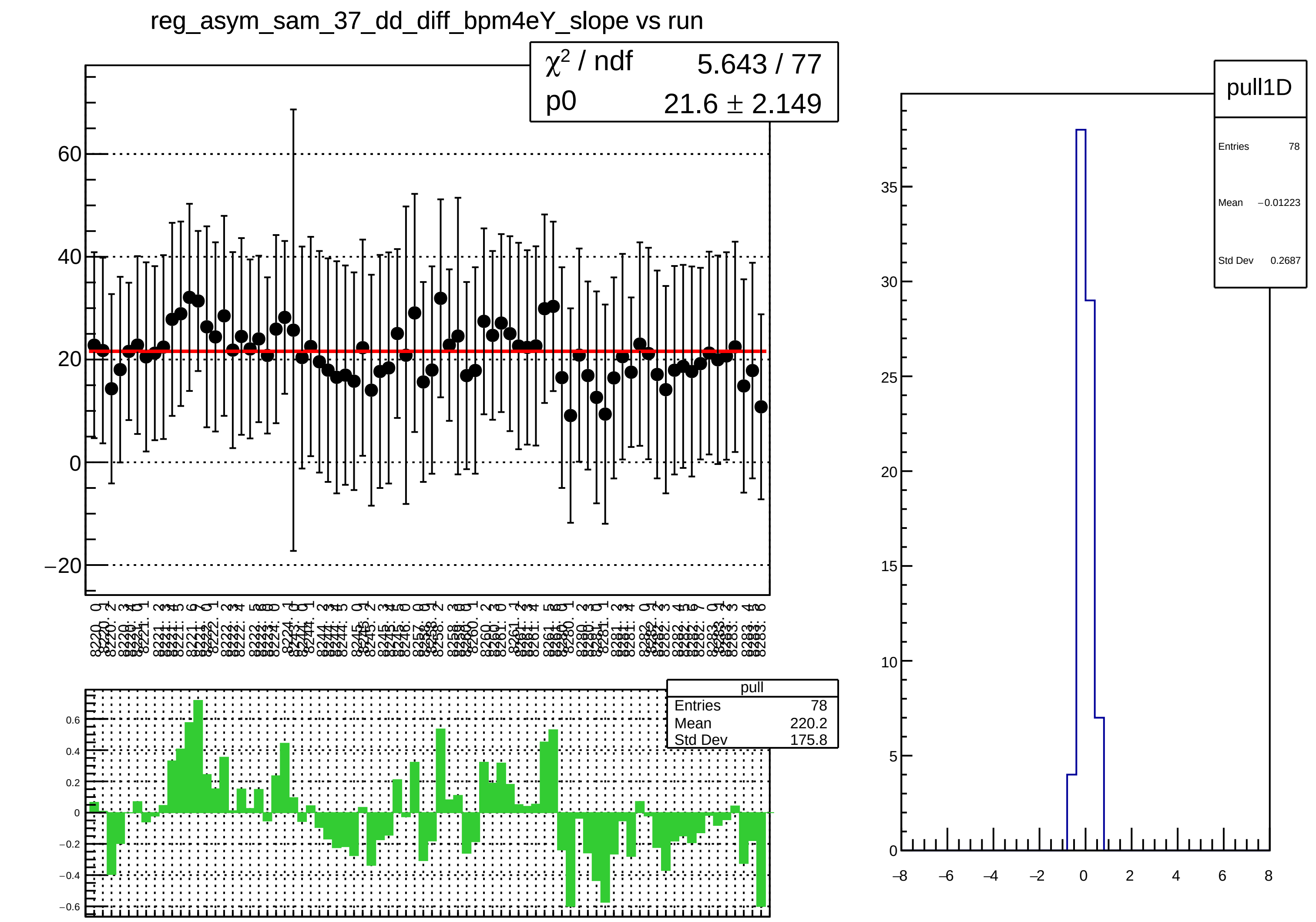


reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 20.12 / 77
p0 −29.82 ± 1.042
pull
Entries 78
Mean −118.5
Std Dev 143.8
pull1D
Entries 78
Mean −0.0132
Std Dev 0.5077

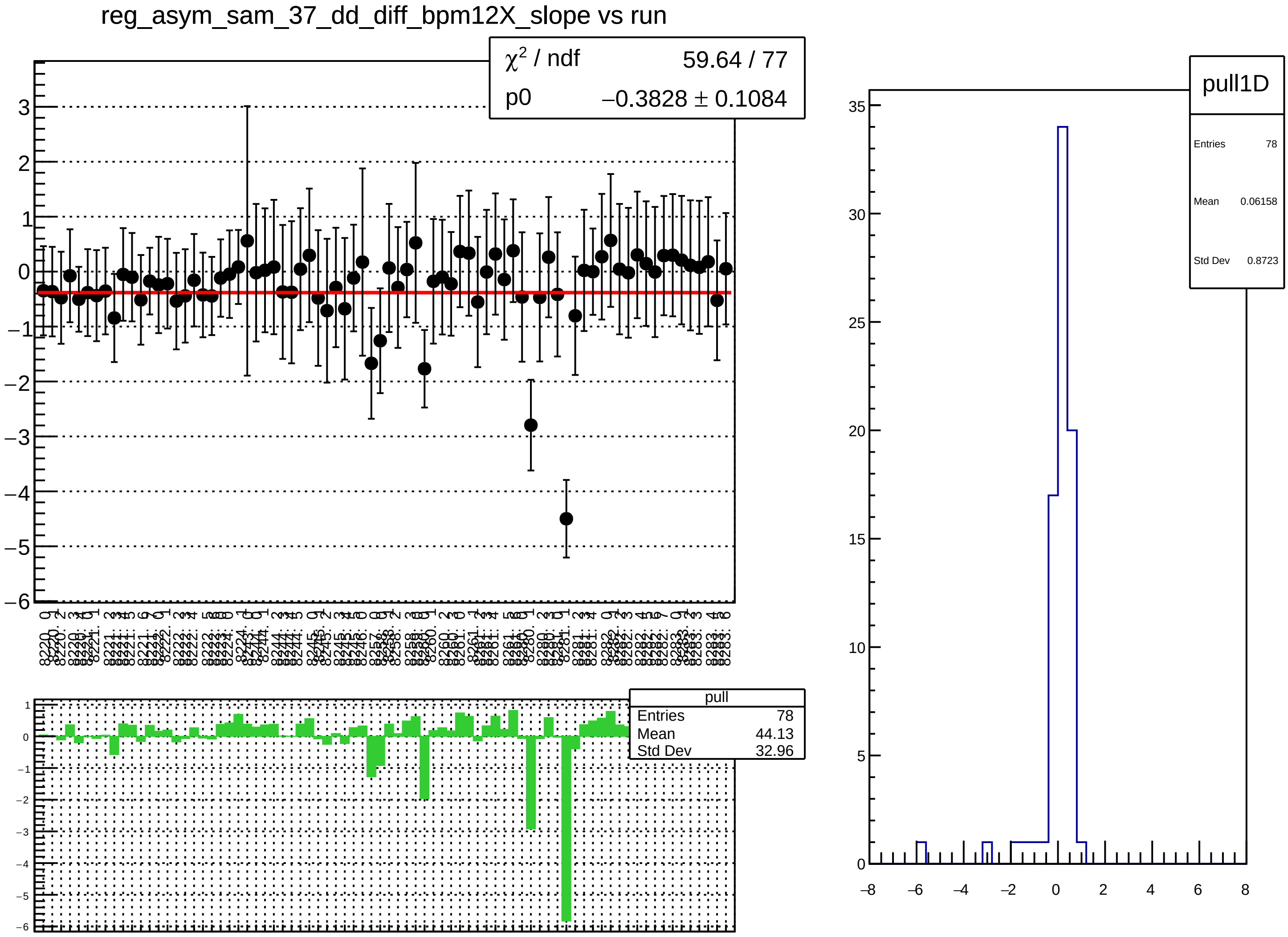

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.128 / 77
p0 −9.826 ± 2.039
pull
Entries 78
Mean 211.7
Std Dev 165.5
pull1D
Entries 78
Mean 0.01128
Std Dev 0.2562



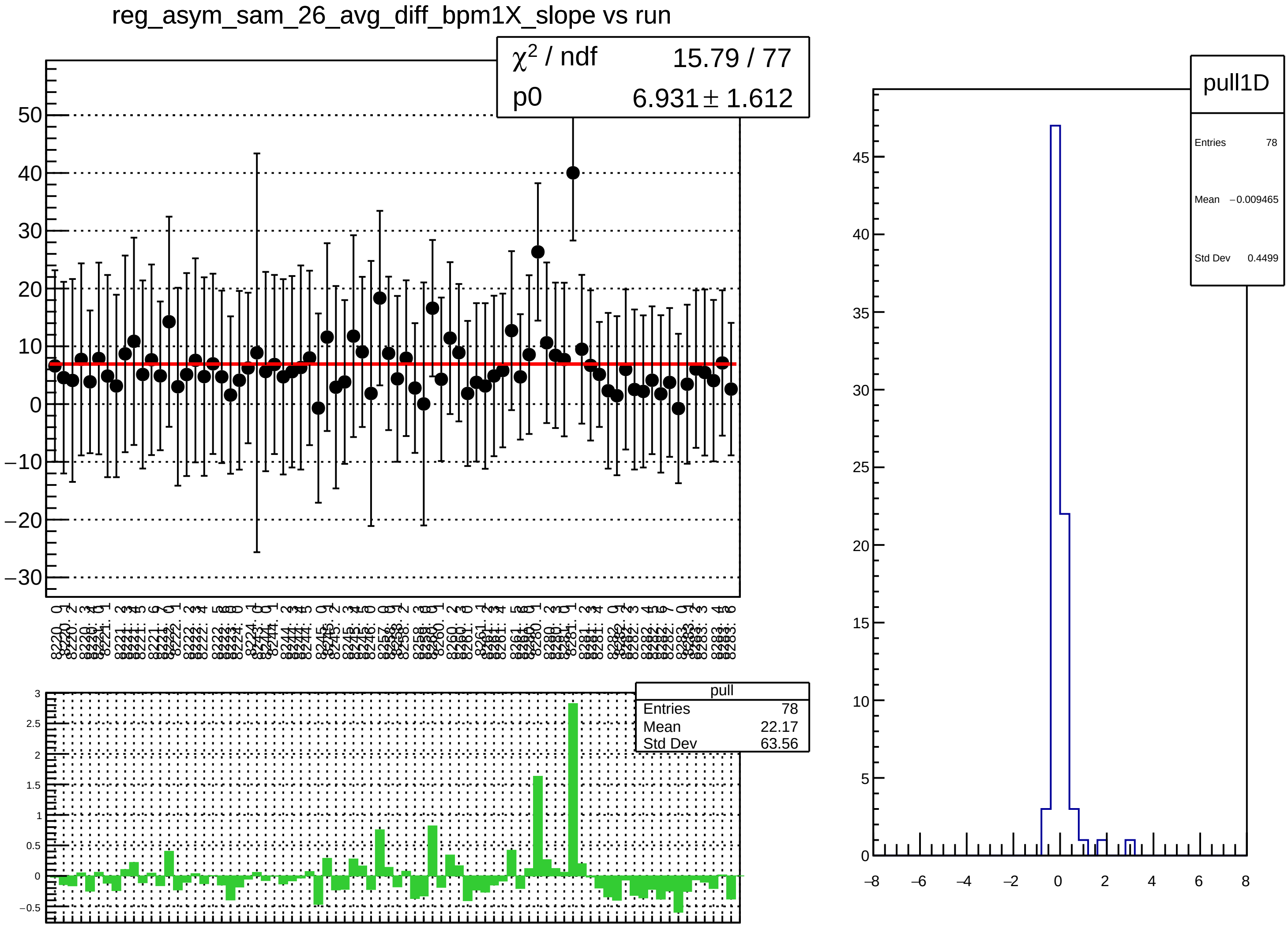
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 31.47 / 77
p0 −22.31 ± 1.144
pull
Entries 78
Mean −253.9
Std Dev 284
pull1D
Entries 78
Mean 0.01222
Std Dev 0.6351



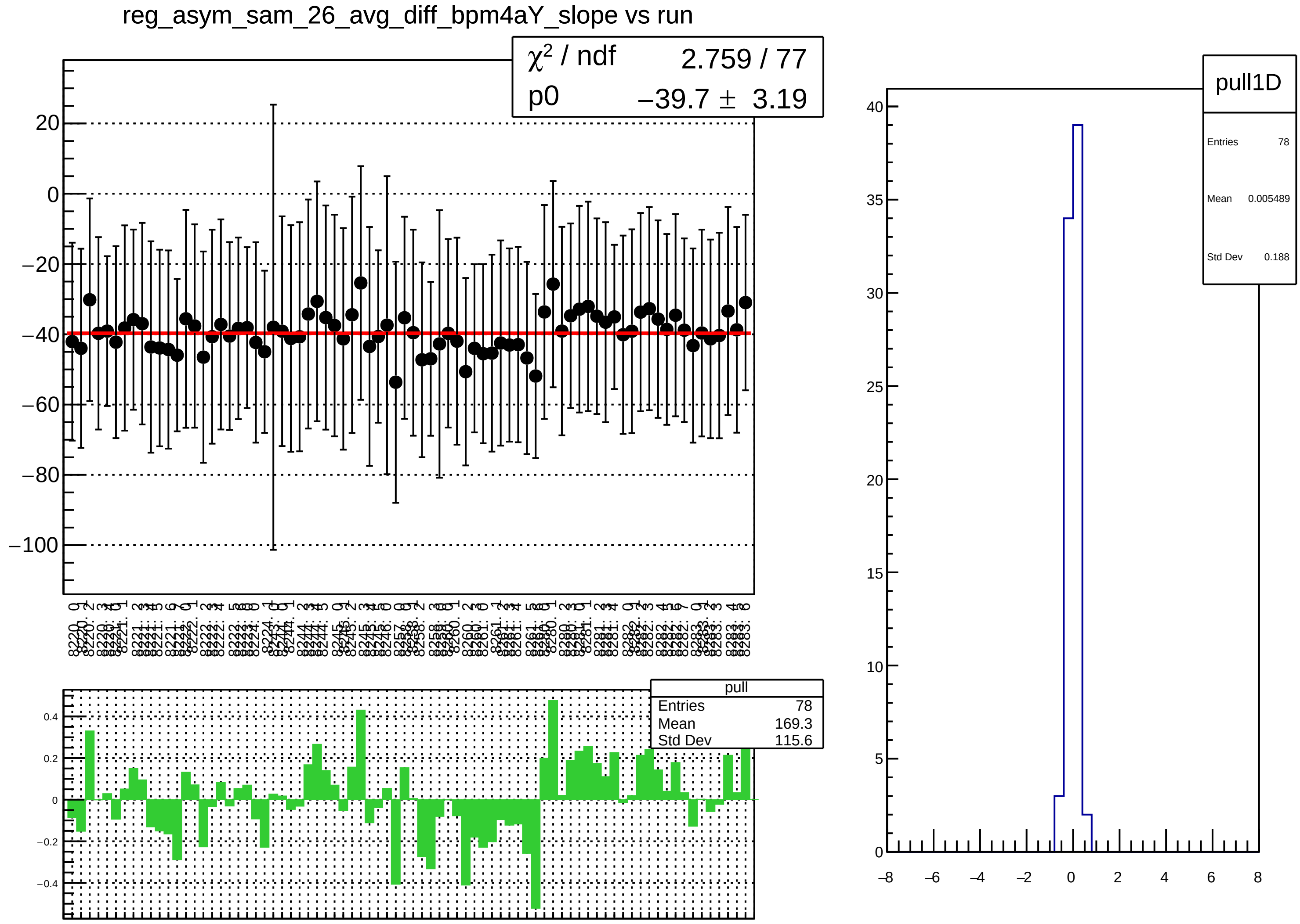
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.643 / 77
p0 21.6 ± 2.149
pull
Entries 78
Mean 220.2
Std Dev 175.8
pull1D
Entries 78
Mean −0.01223
Std Dev 0.2687



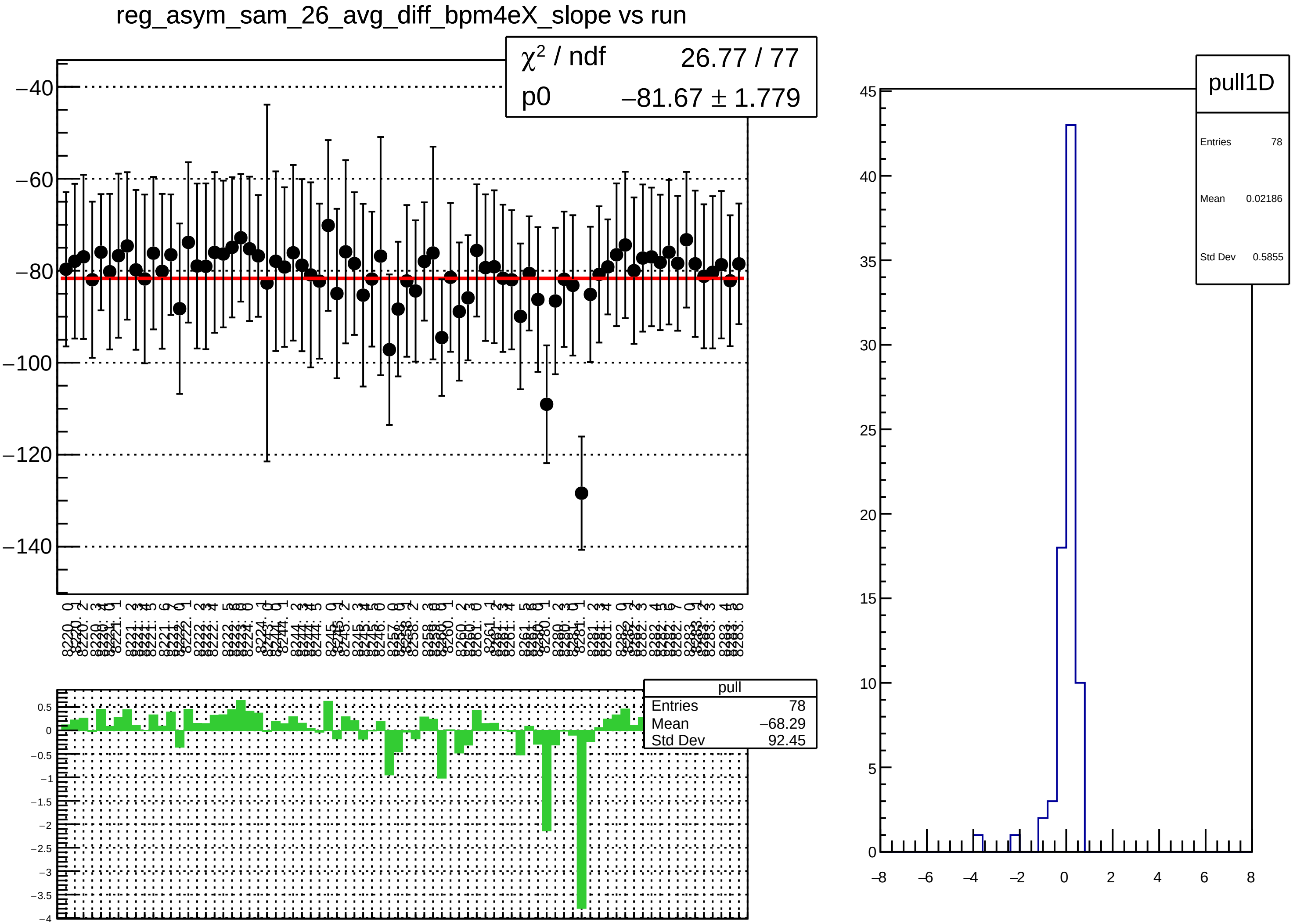
reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 59.64 / 77
p0 −0.3828 ± 0.1084
pull
Entries 78
Mean 44.13
Std Dev 32.96
pull1D
Entries 78
Mean 0.06158
Std Dev 0.8723



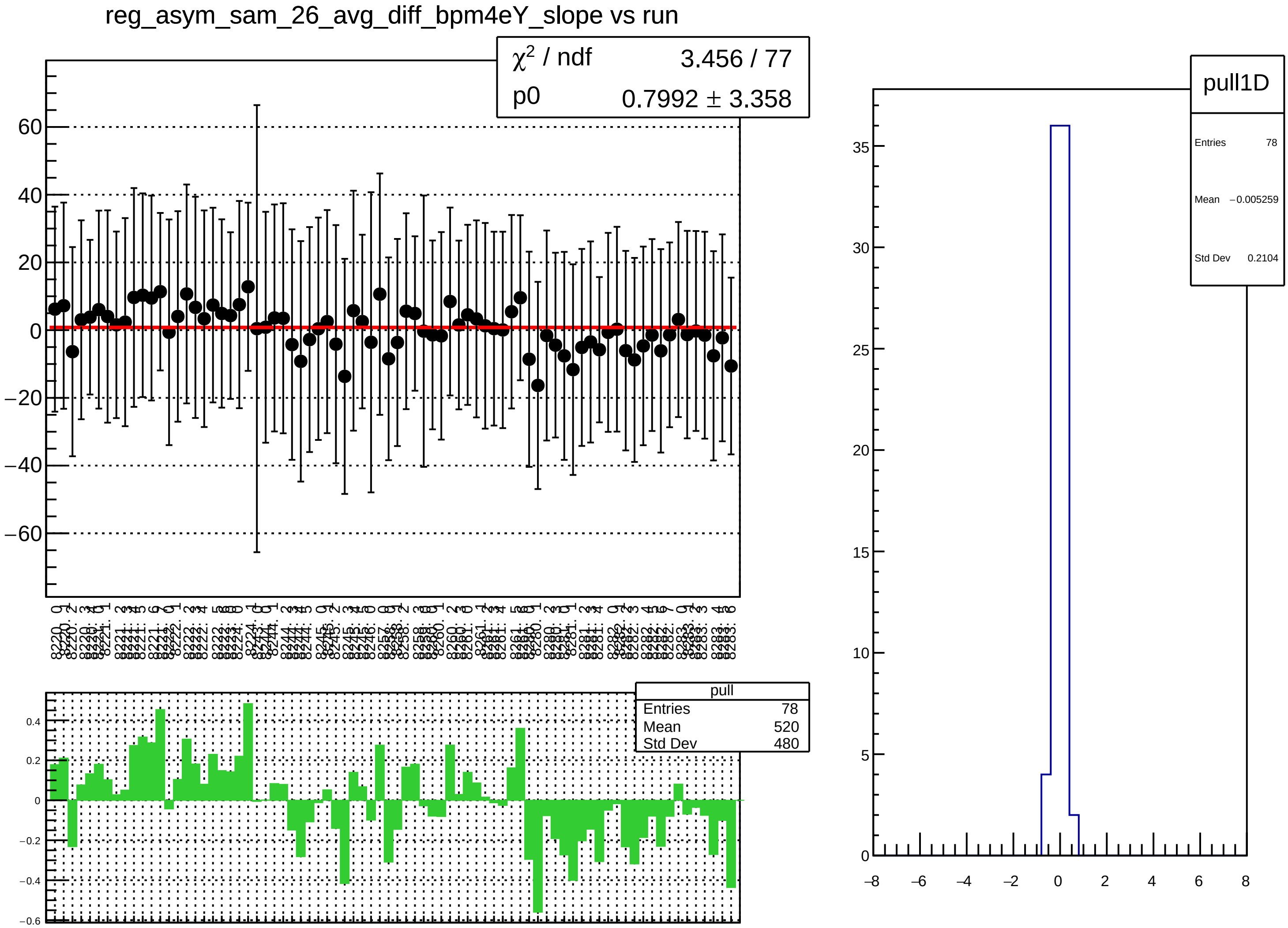
reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 15.79 / 77
p0 6.931 ± 1.612
pull
Entries 78
Mean 22.17
Std Dev 63.56
pull1D
Entries 78
Mean −0.009465
Std Dev 0.4499



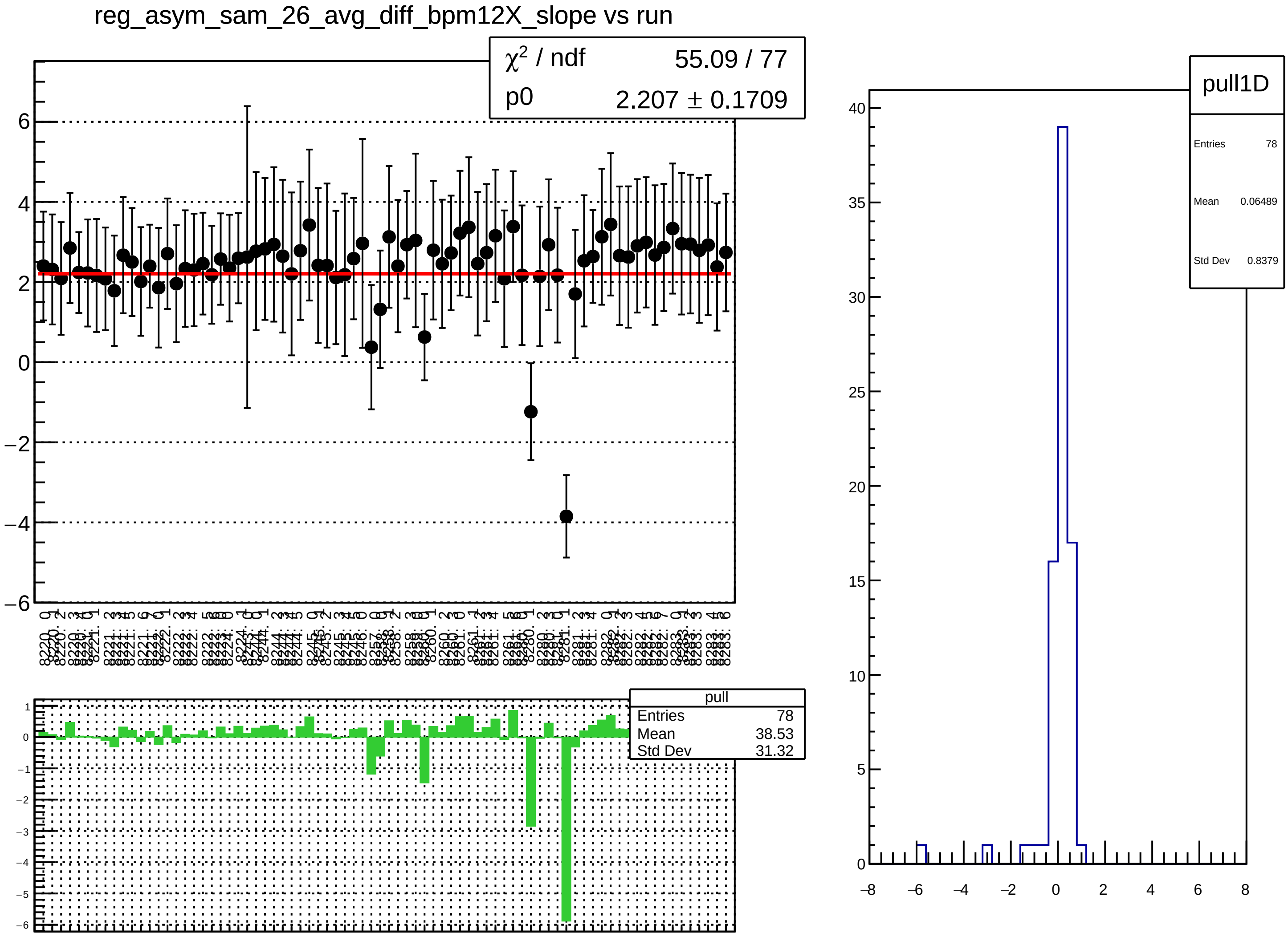
reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.759 / 77
p0 −39.7 ± 3.19
pull
Entries 78
Mean 169.3
Std Dev 115.6
pull1D
Entries 78
Mean 0.005489
Std Dev 0.188



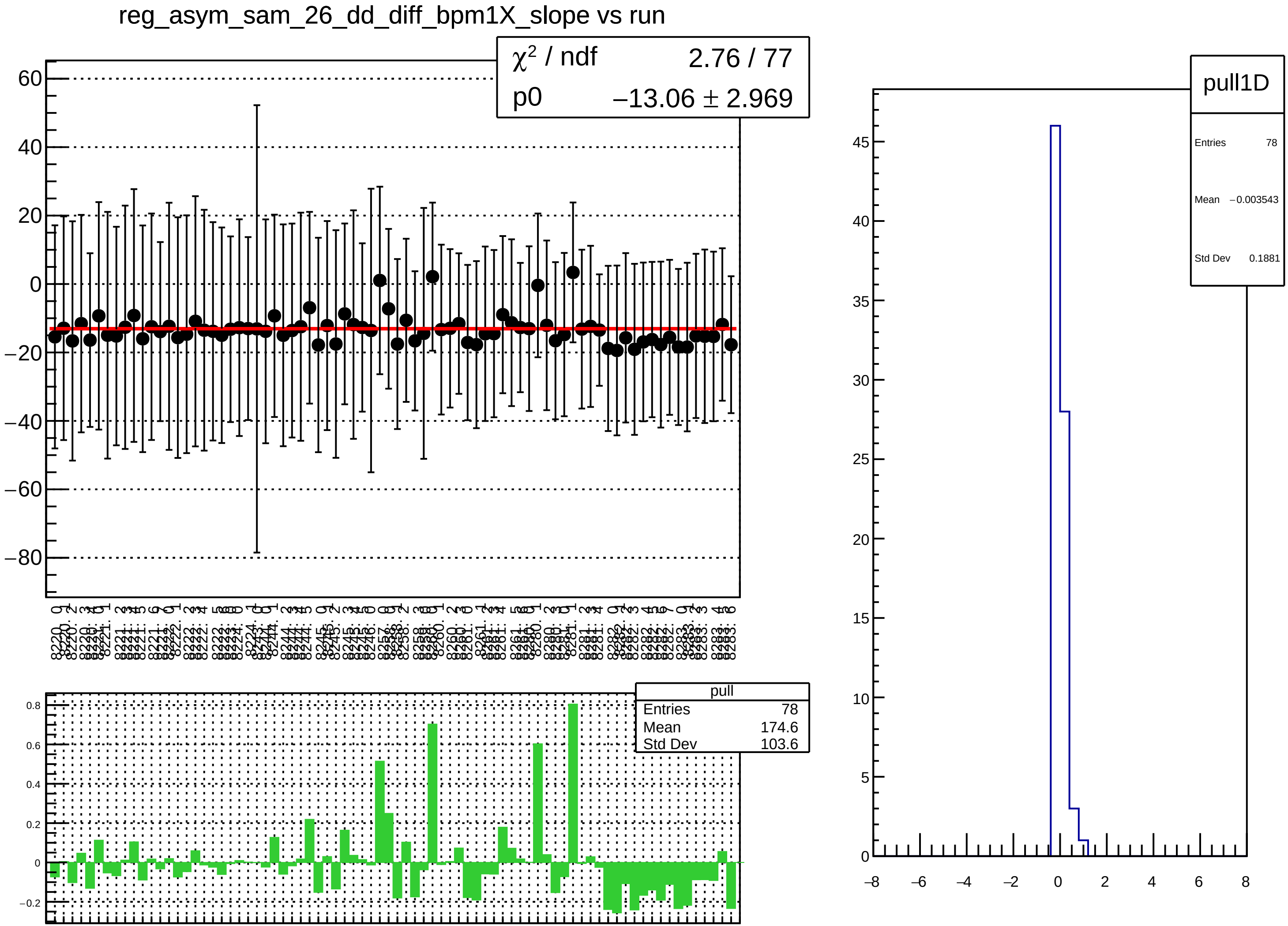
reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 26.77 / 77
p0 −81.67 ± 1.779
pull
Entries 78
Mean −68.29
Std Dev 92.45
pull1D
Entries 78
Mean 0.02186
Std Dev 0.5855



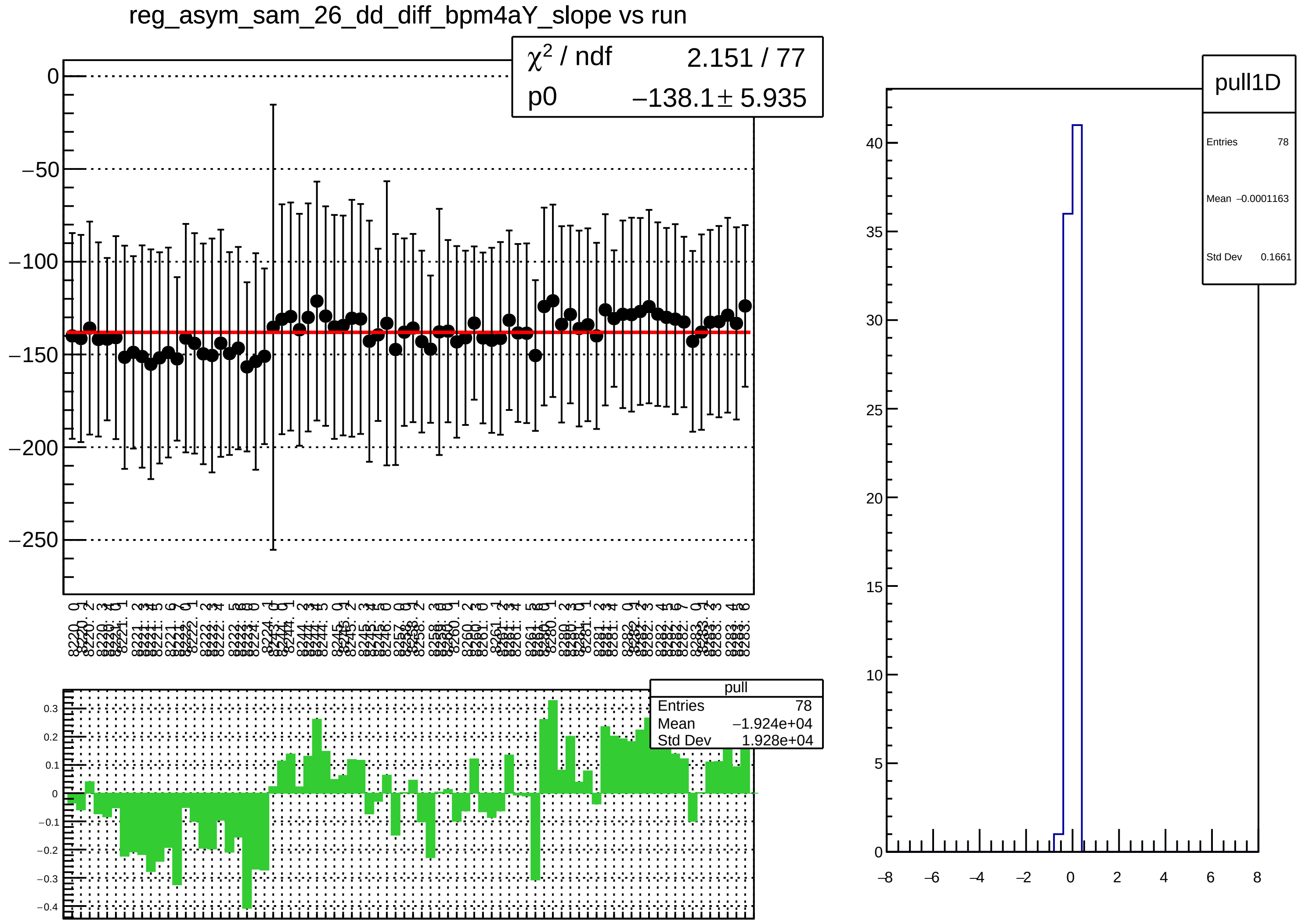
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ2 / ndf 3.456 / 77
p0 0.7992 ± 3.358
pull
Entries 78
Mean 520
Std Dev 480
pull1D
Entries 78
Mean −0.005259
Std Dev 0.2104



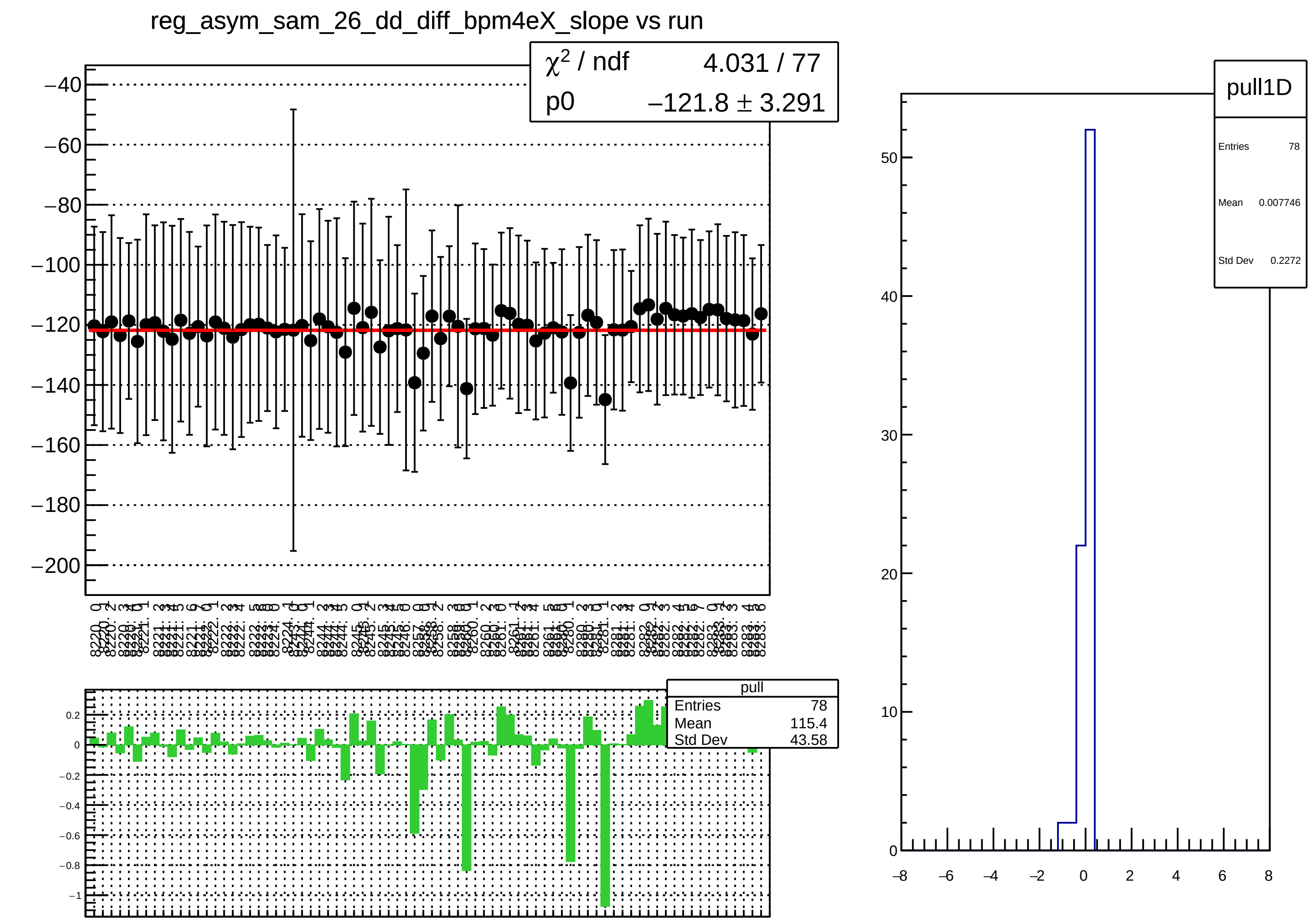
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 55.09 / 77
p0 2.207 ± 0.1709
pull
Entries 78
Mean 38.53
Std Dev 31.32
pull1D
Entries 78
Mean 0.06489
Std Dev 0.8379

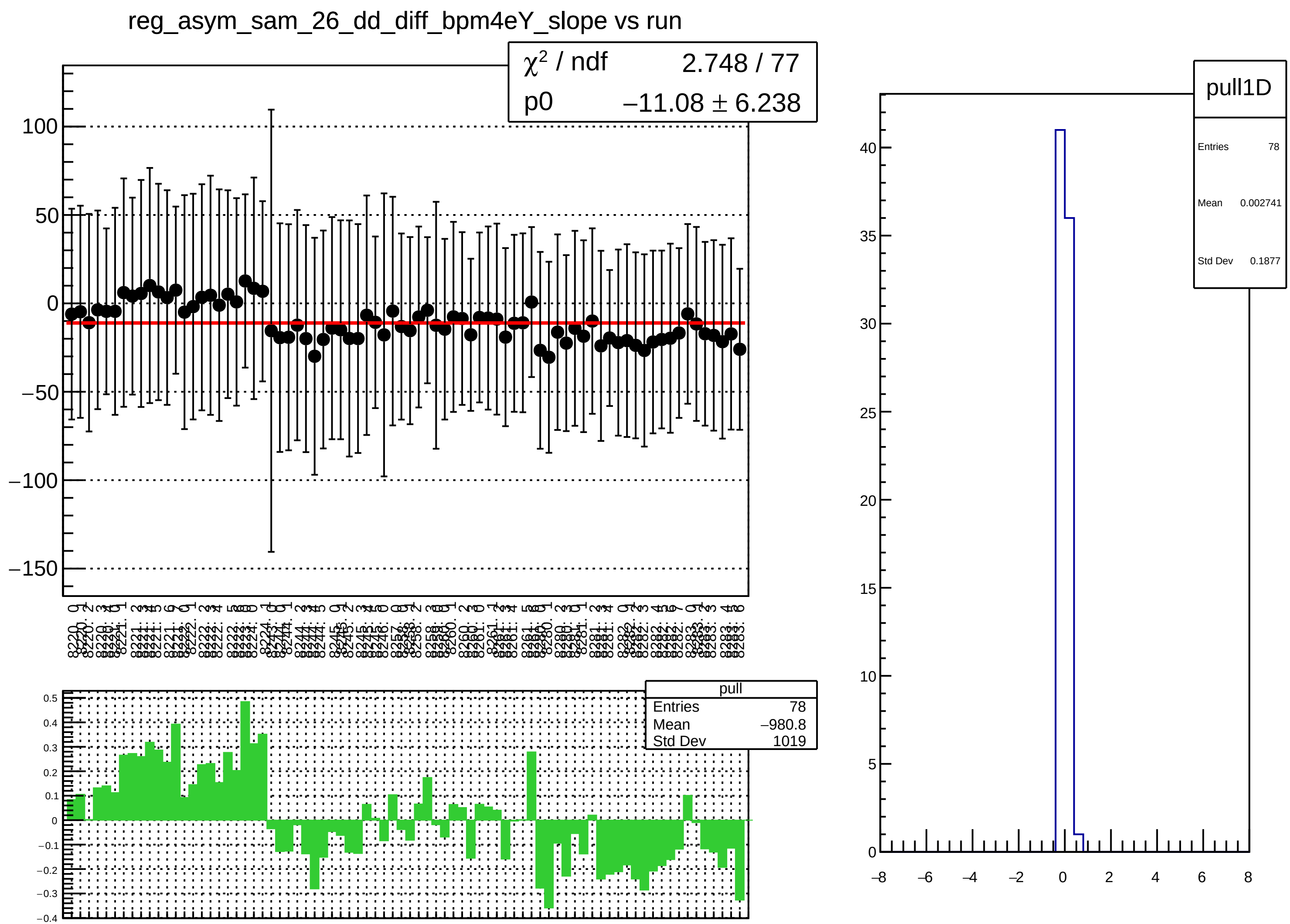


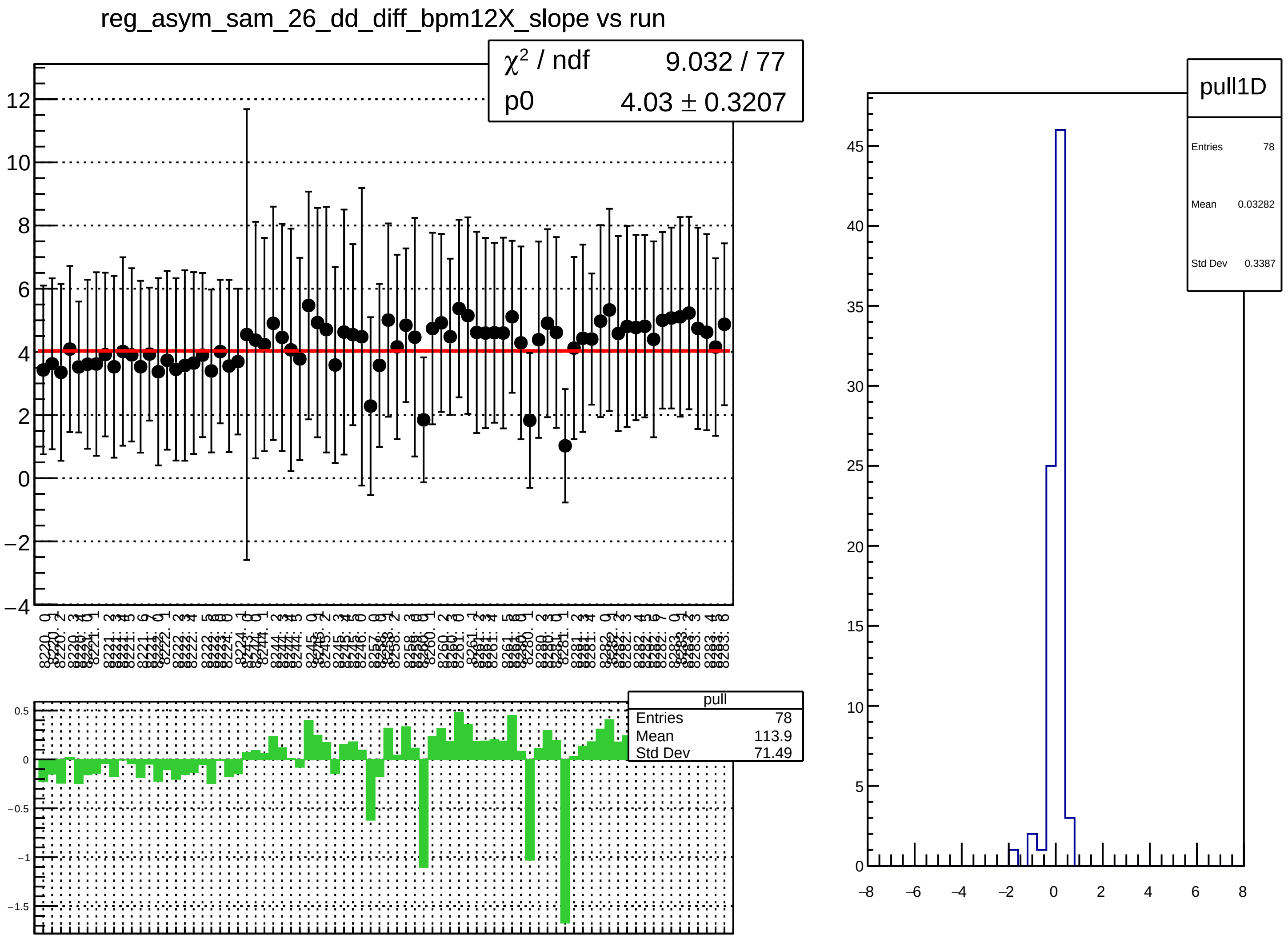
reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 2.76 / 77
p0 −13.06 ± 2.969
pull
Entries 78
Mean 174.6
Std Dev 103.6
pull1D
Entries 78
Mean −0.003543
Std Dev 0.1881



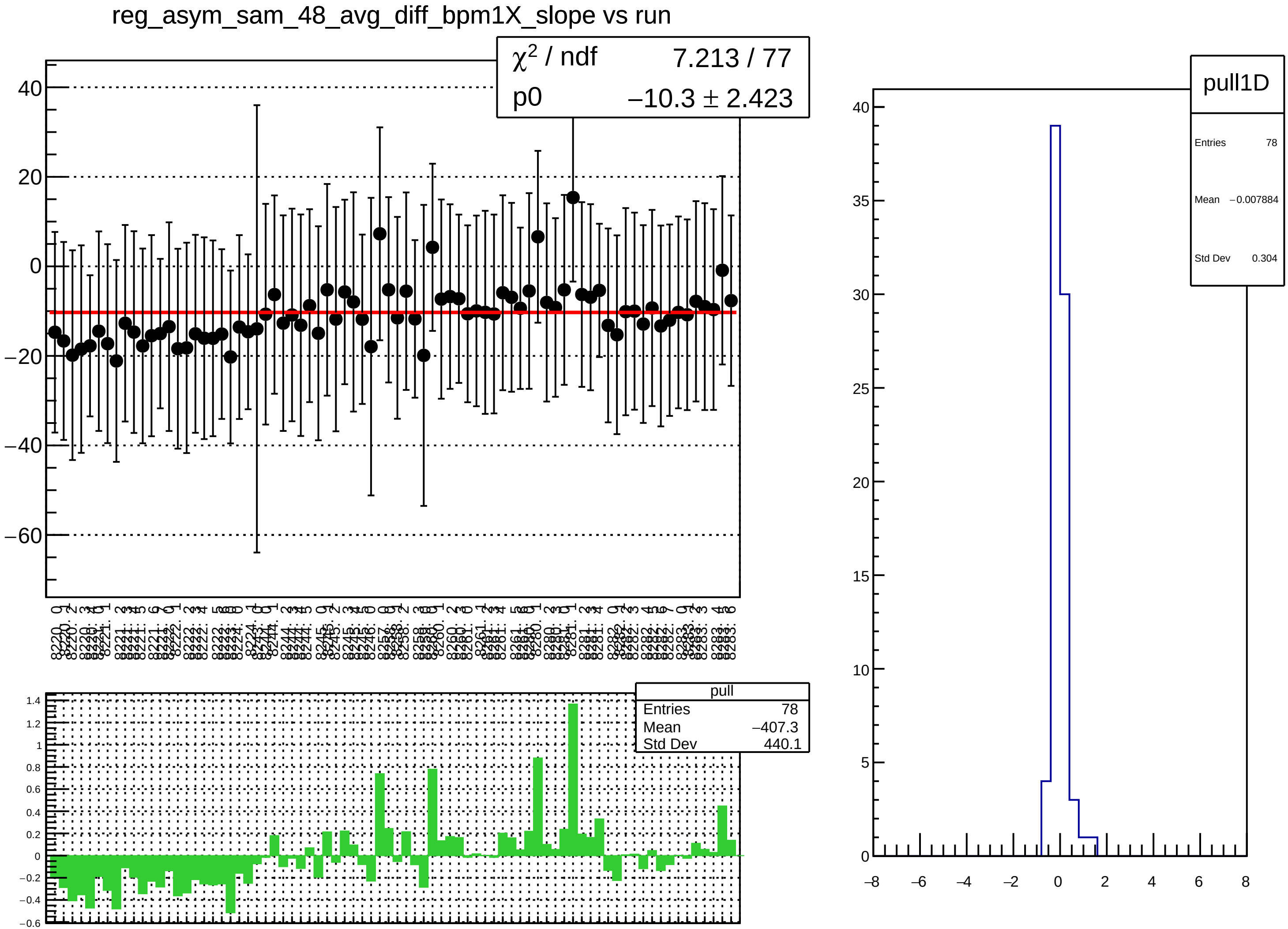
reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.151 / 77
p0 −138.1 ± 5.935
pull
Entries 78
Mean −1.924e+04
Std Dev 1.928e+04
pull1D
Entries 78
Mean −0.0001163
Std Dev 0.1661


reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.031 / 77
p0 −121.8 ± 3.291
pull
Entries 78
Mean 115.4
Std Dev 43.58
pull1D
Entries 78
Mean 0.007746
Std Dev 0.2272

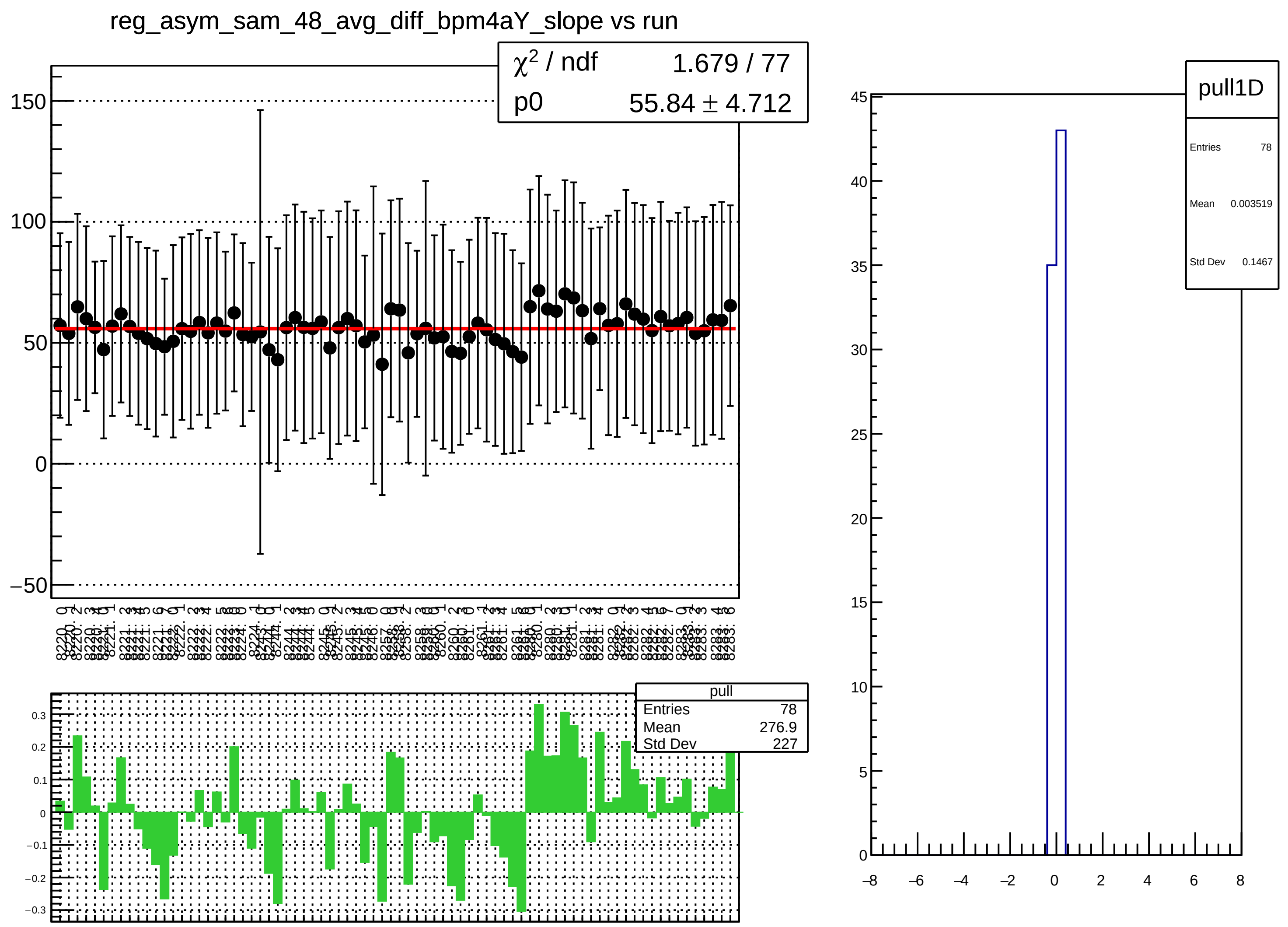

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.748 / 77
p0 −11.08 ± 6.238
pull
Entries 78
Mean −980.8
Std Dev 1019
pull1D
Entries 78
Mean 0.002741
Std Dev 0.1877



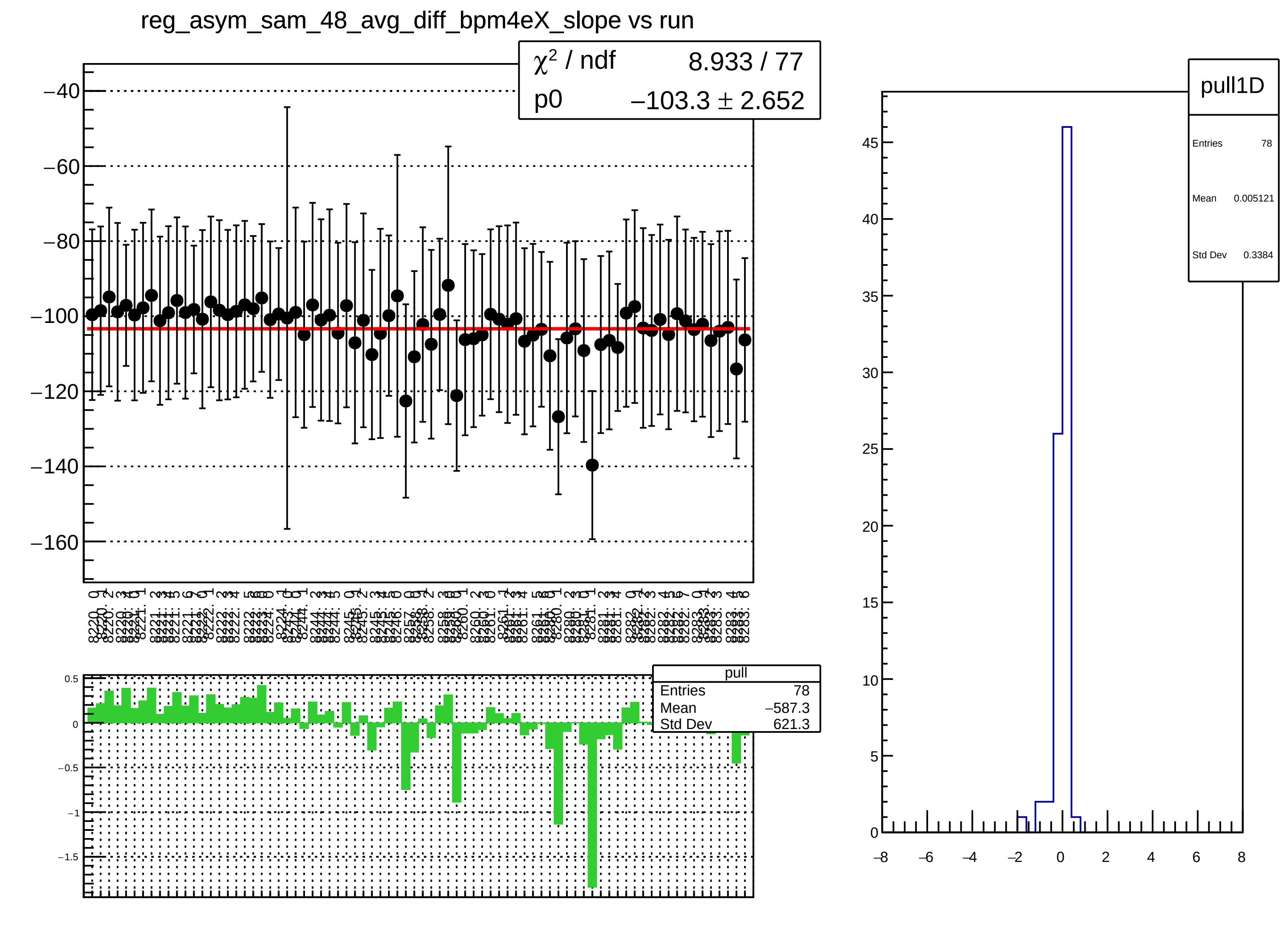
reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ2 / ndf 9.032 / 77
p0 4.03 ± 0.3207
pull
Entries 78
Mean 113.9
Std Dev 71.49
pull1D
Entries 78
Mean 0.03282
Std Dev 0.3387



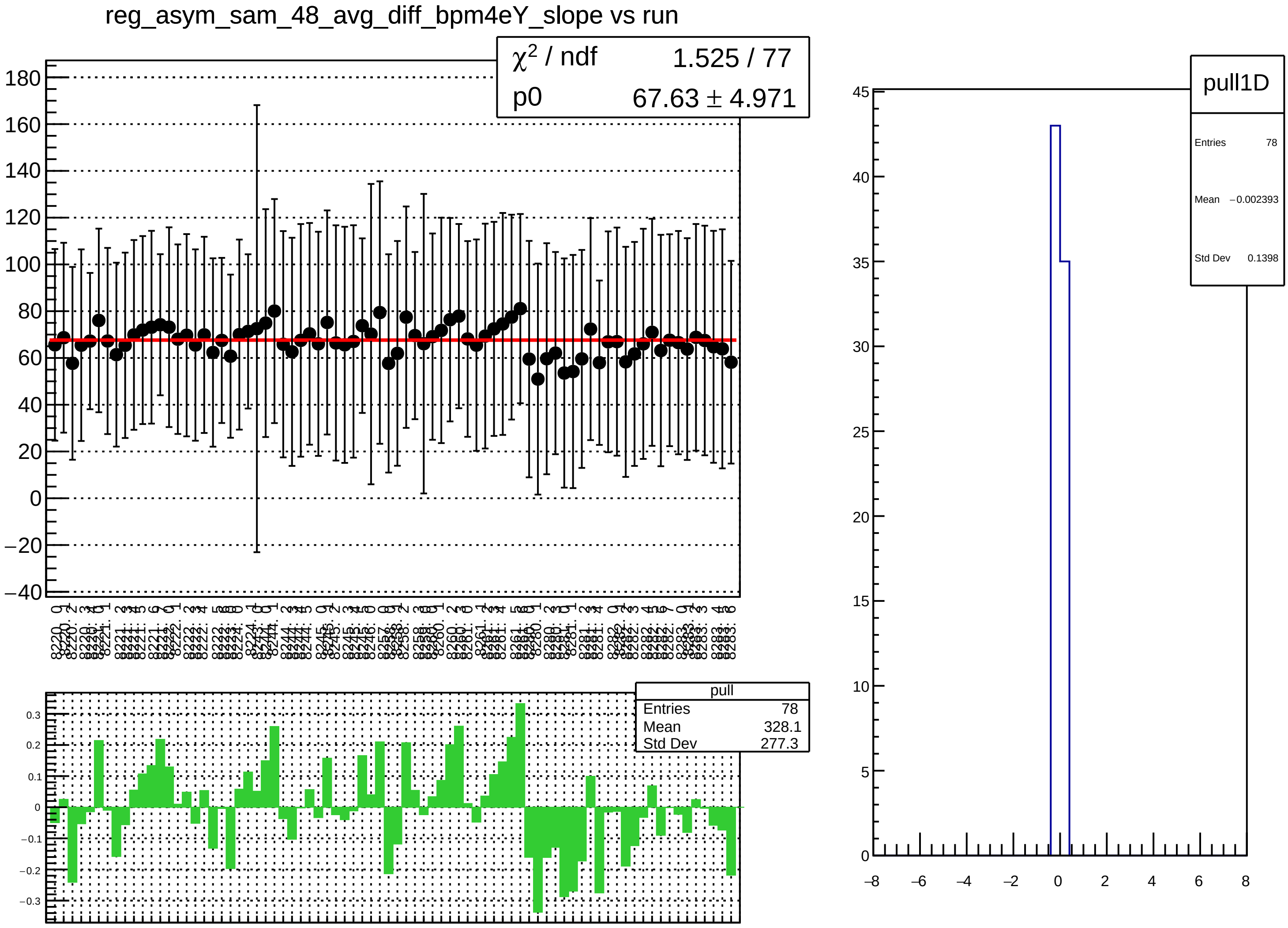
reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.213 / 77
p0 −10.3 ± 2.423
pull
Entries 78
Mean −407.3
Std Dev 440.1
pull1D
Entries 78
Mean −0.007884
Std Dev 0.304



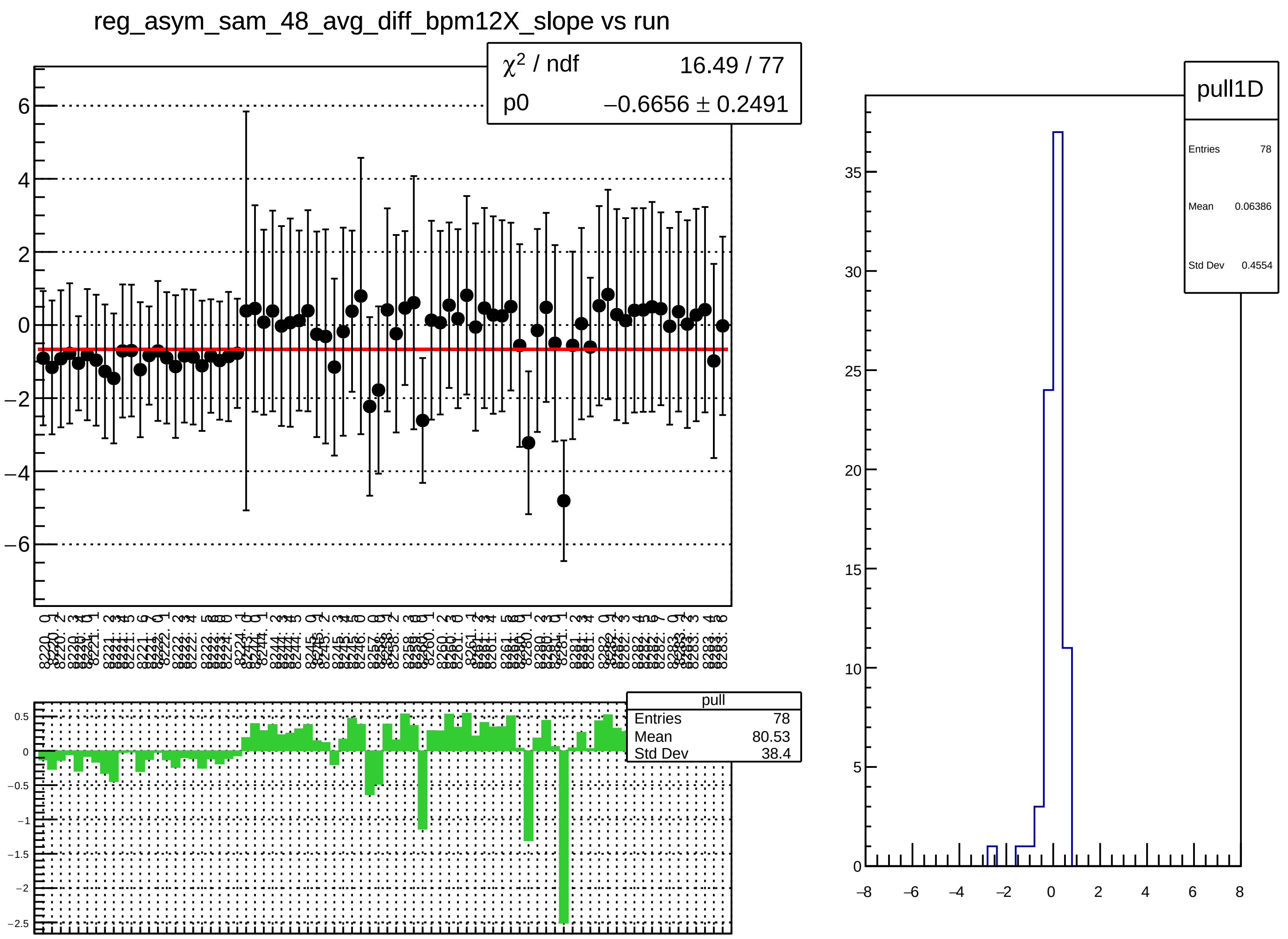
reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ2 / ndf 1.679 / 77
p0 55.84 ± 4.712
pull1D
Entries 78
Mean 0.003519
Std Dev 0.1467
pull
Entries 78
Mean 276.9
Std Dev 227



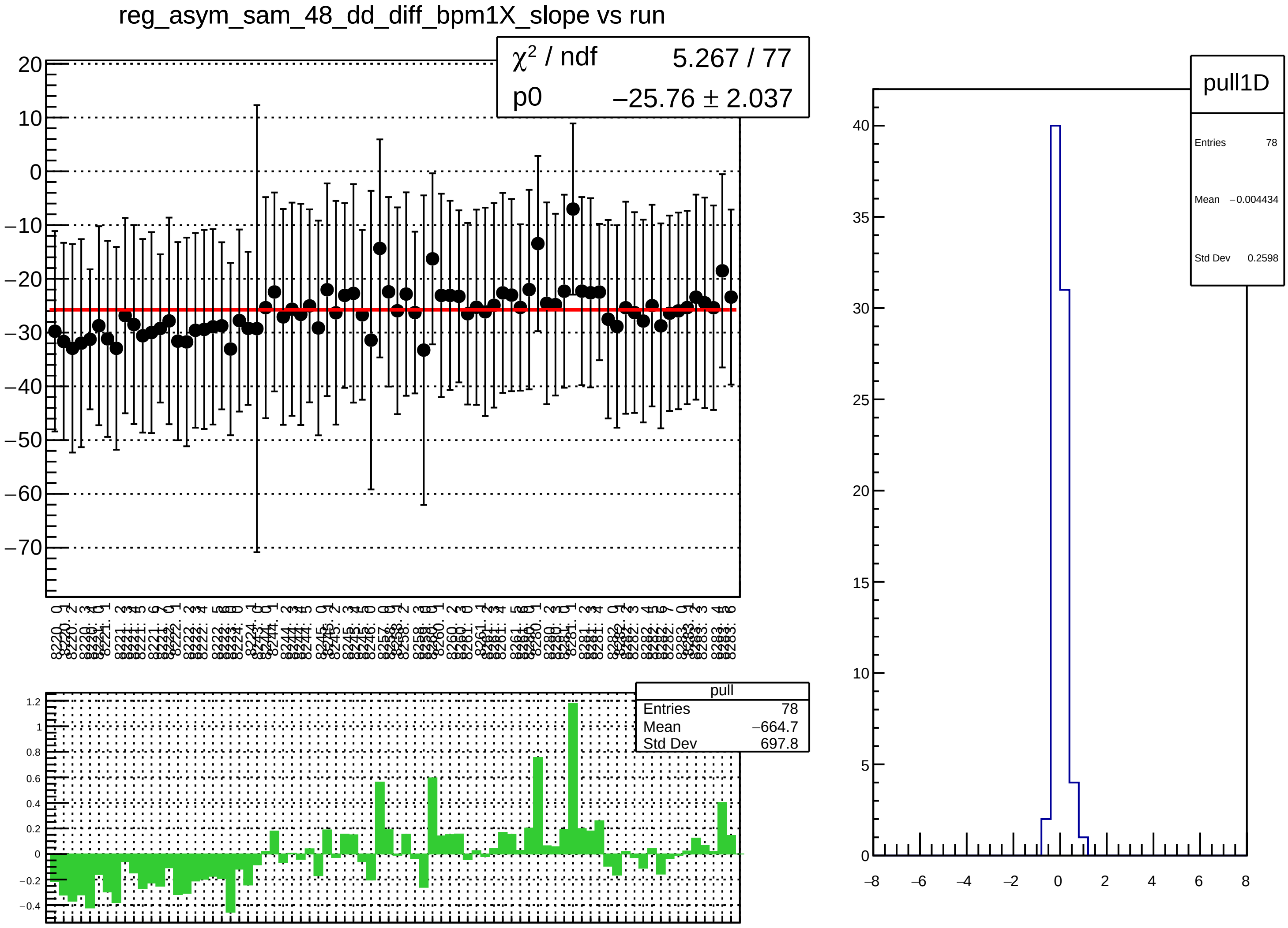
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.933 / 77
p0 −103.3 ± 2.652
pull
Entries 78
Mean −587.3
Std Dev 621.3
pull1D
Entries 78
Mean 0.005121
Std Dev 0.3384



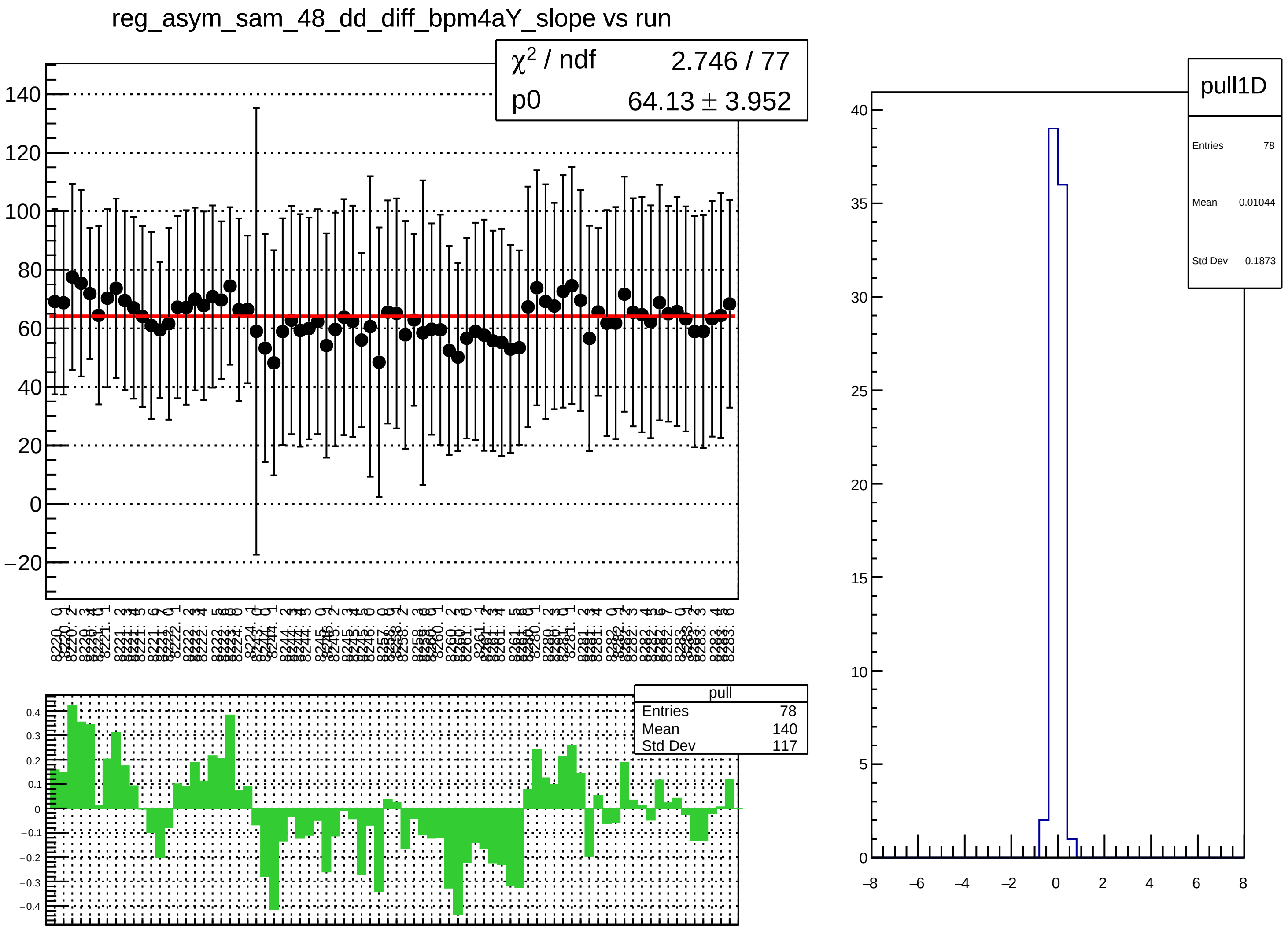
reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1.525 / 77
p0 67.63 ± 4.971
pull
Entries 78
Mean 328.1
Std Dev 277.3
pull1D
Entries 78
Mean −0.002393
Std Dev 0.1398



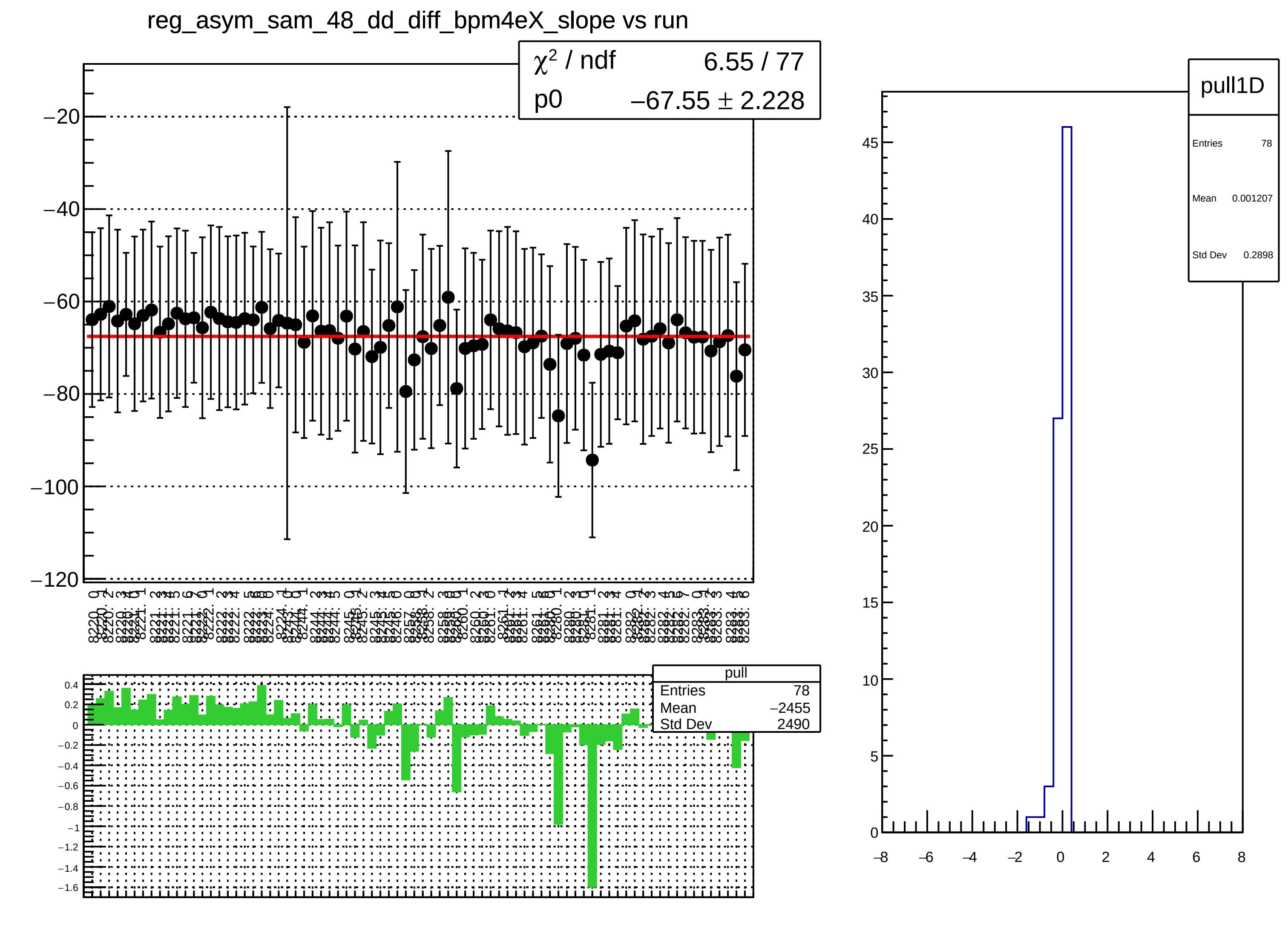
reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 16.49 / 77
p0 −0.6656 ± 0.2491
pull
Entries 78
Mean 80.53
Std Dev 38.4
pull1D
Entries 78
Mean 0.06386
Std Dev 0.4554



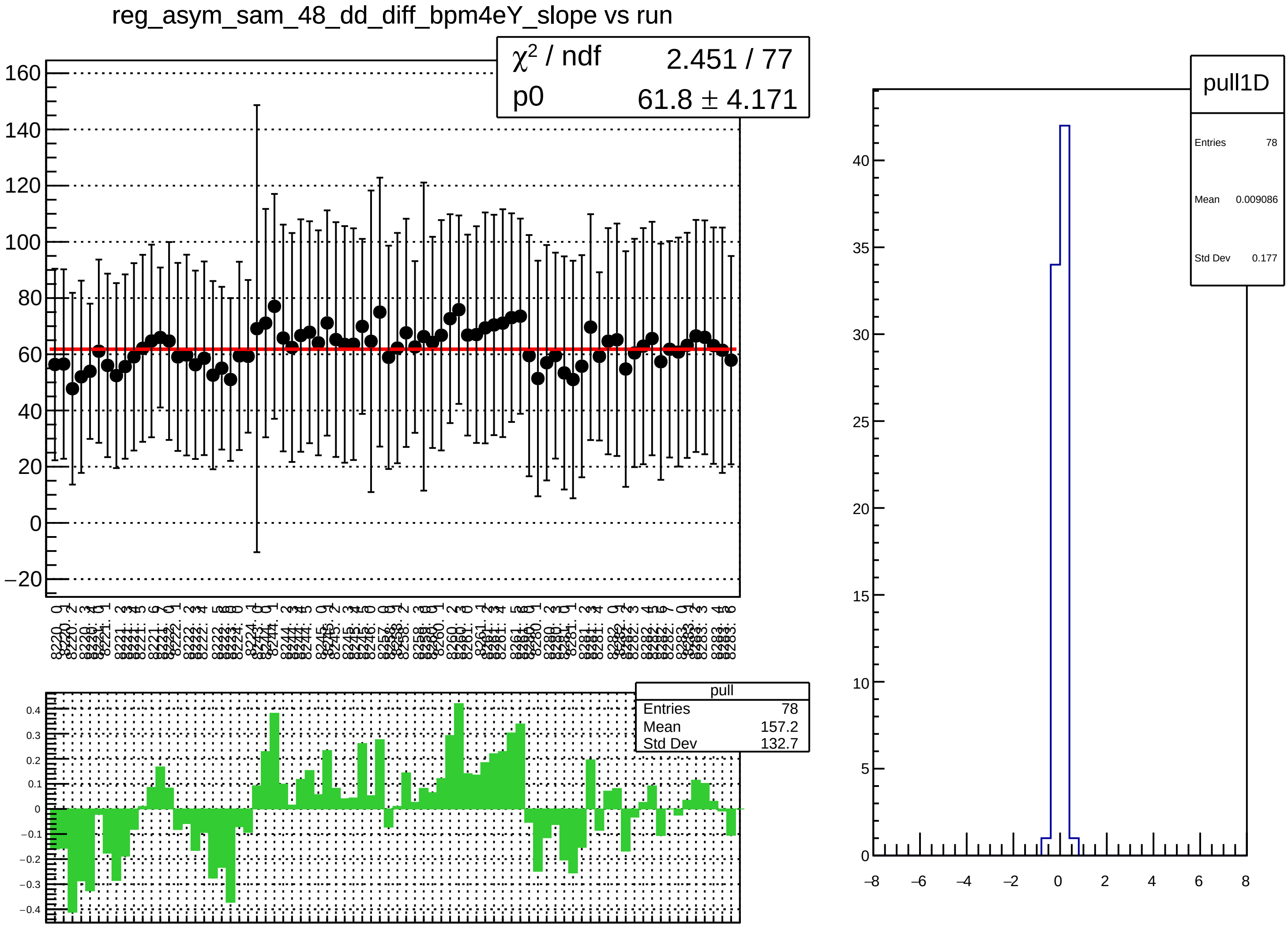
reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 5.267 / 77
p0 −25.76 ± 2.037
pull
Entries 78
Mean −664.7
Std Dev 697.8
pull1D
Entries 78
Mean −0.004434
Std Dev 0.2598



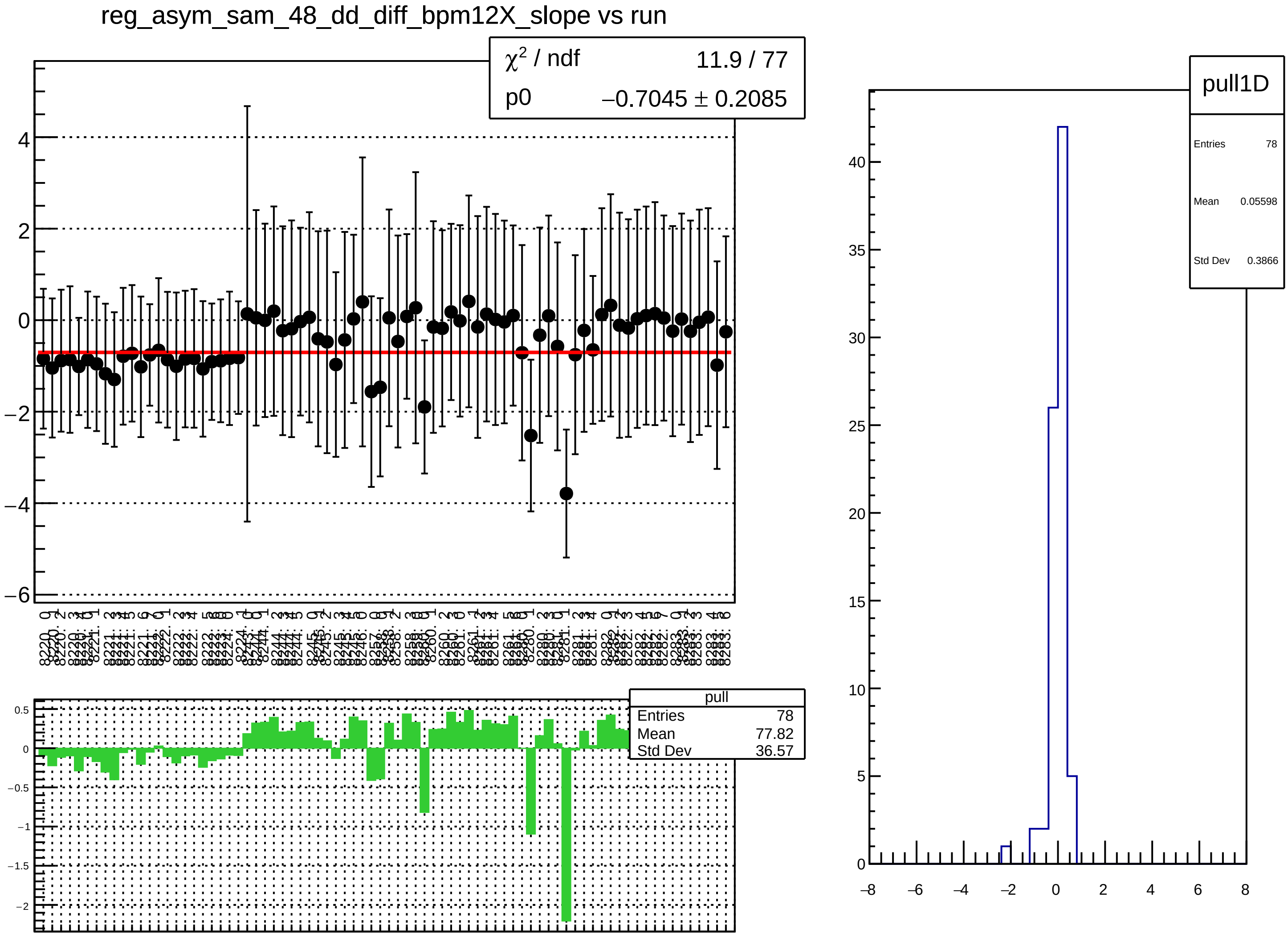
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.746 / 77
p0 64.13 ± 3.952
pull
Entries 78
Mean 140
Std Dev 117
pull1D
Entries 78
Mean −0.01044
Std Dev 0.1873



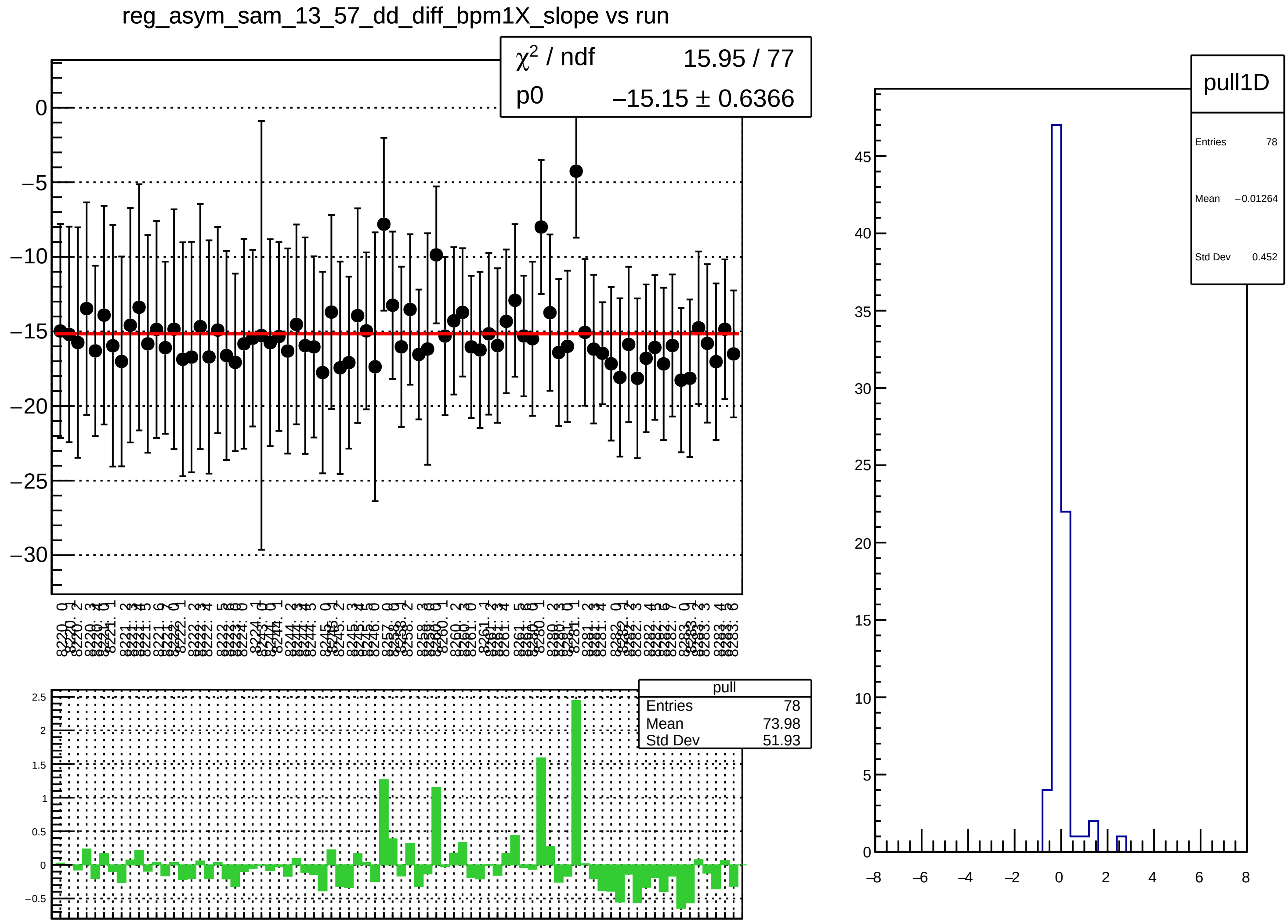
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 6.55 / 77
p0 −67.55 ± 2.228
pull
Entries 78
Mean −2455
Std Dev 2490
pull1D
Entries 78
Mean 0.001207
Std Dev 0.2898

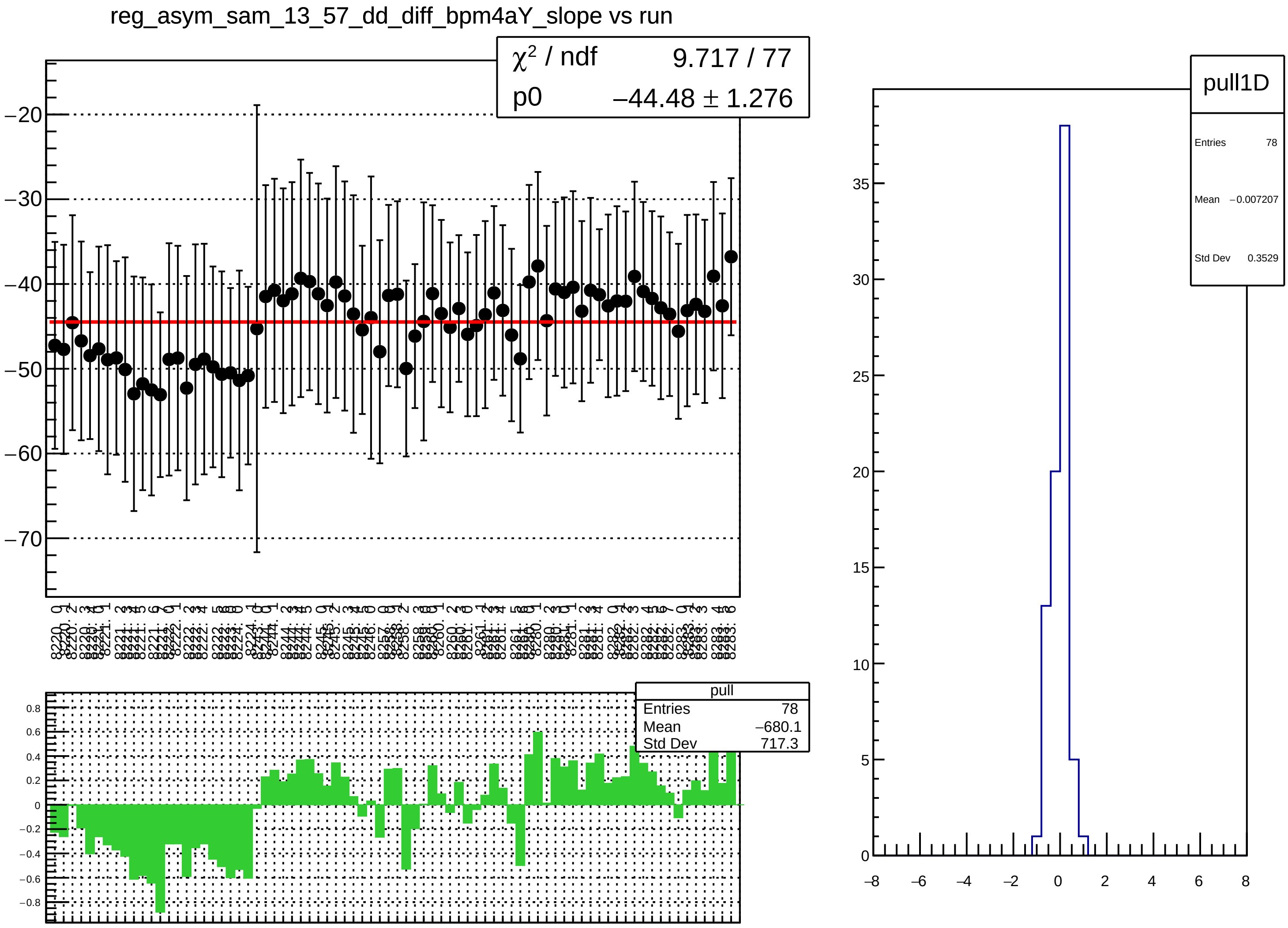


reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.451 / 77
p0 61.8 ± 4.171
pull
Entries 78
Mean 157.2
Std Dev 132.7
pull1D
Entries 78
Mean 0.009086
Std Dev 0.177

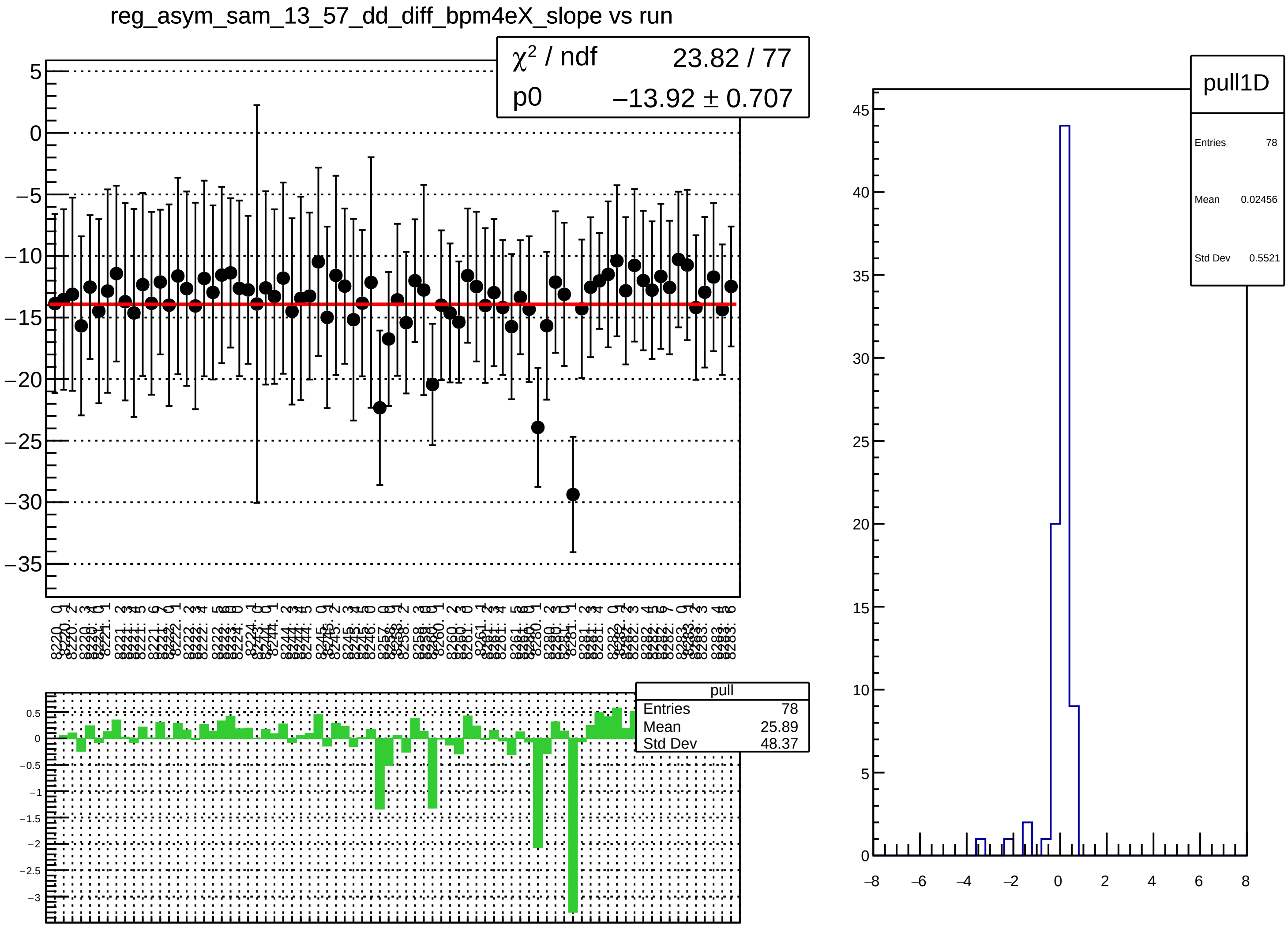


reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.9 / 77
p0 −0.7045 ± 0.2085
pull
Entries 78
Mean 77.82
Std Dev 36.57
pull1D
Entries 78
Mean 0.05598
Std Dev 0.3866

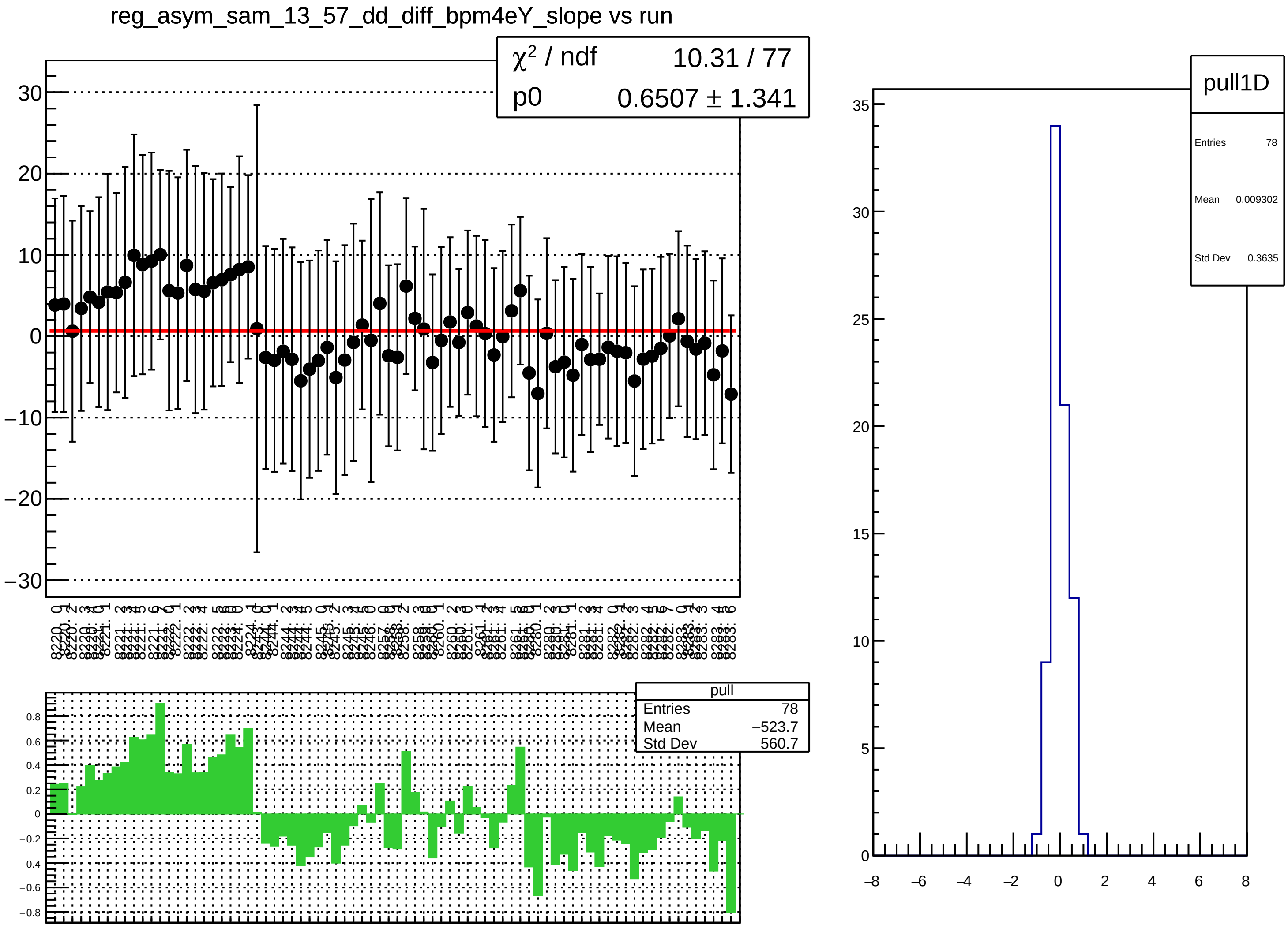

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ2 / ndf 15.95 / 77
p0 −15.15 ± 0.6366
pull
Entries 78
Mean 73.98
Std Dev 51.93
pull1D
Entries 78
Mean −0.01264
Std Dev 0.452

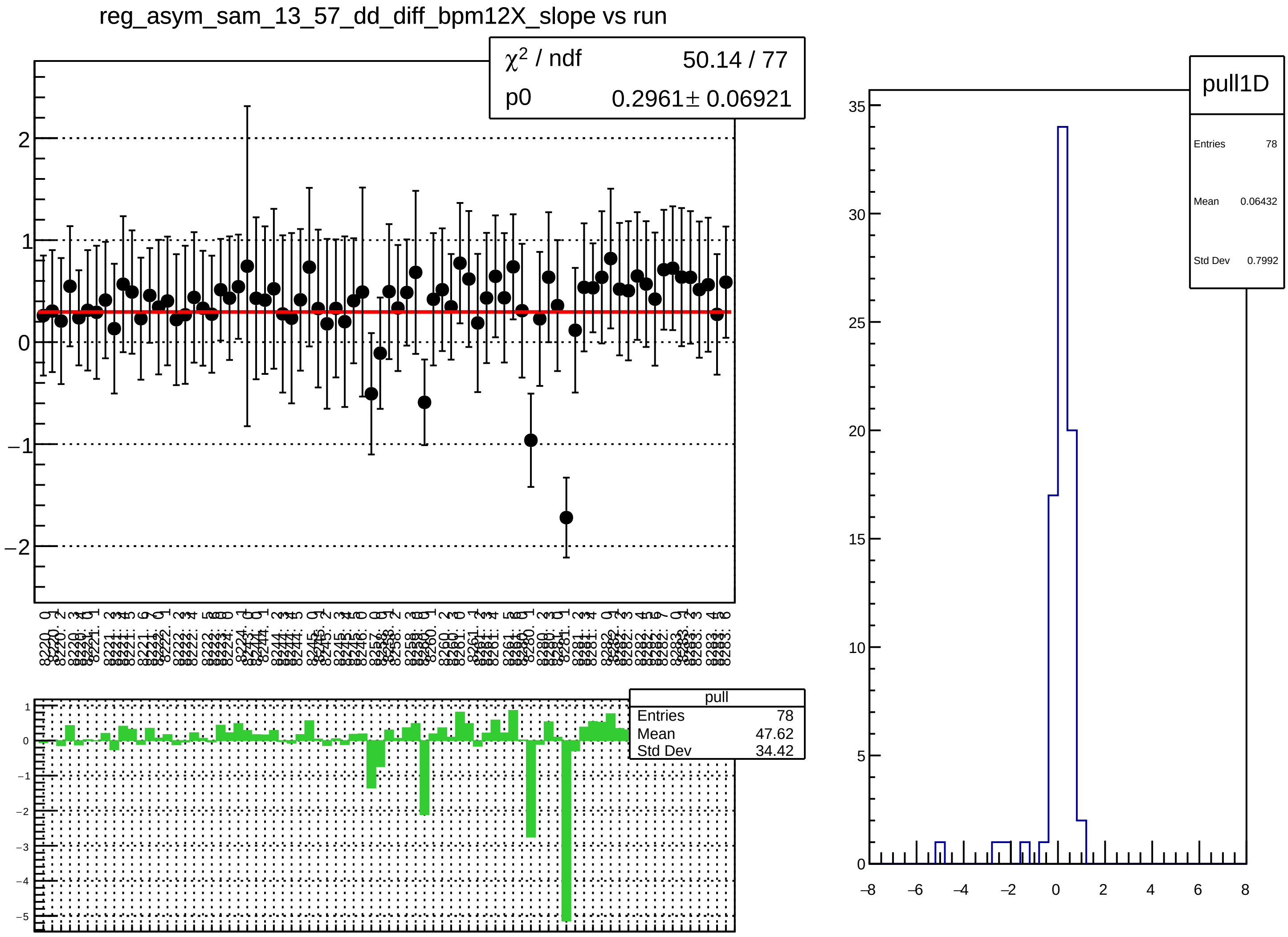


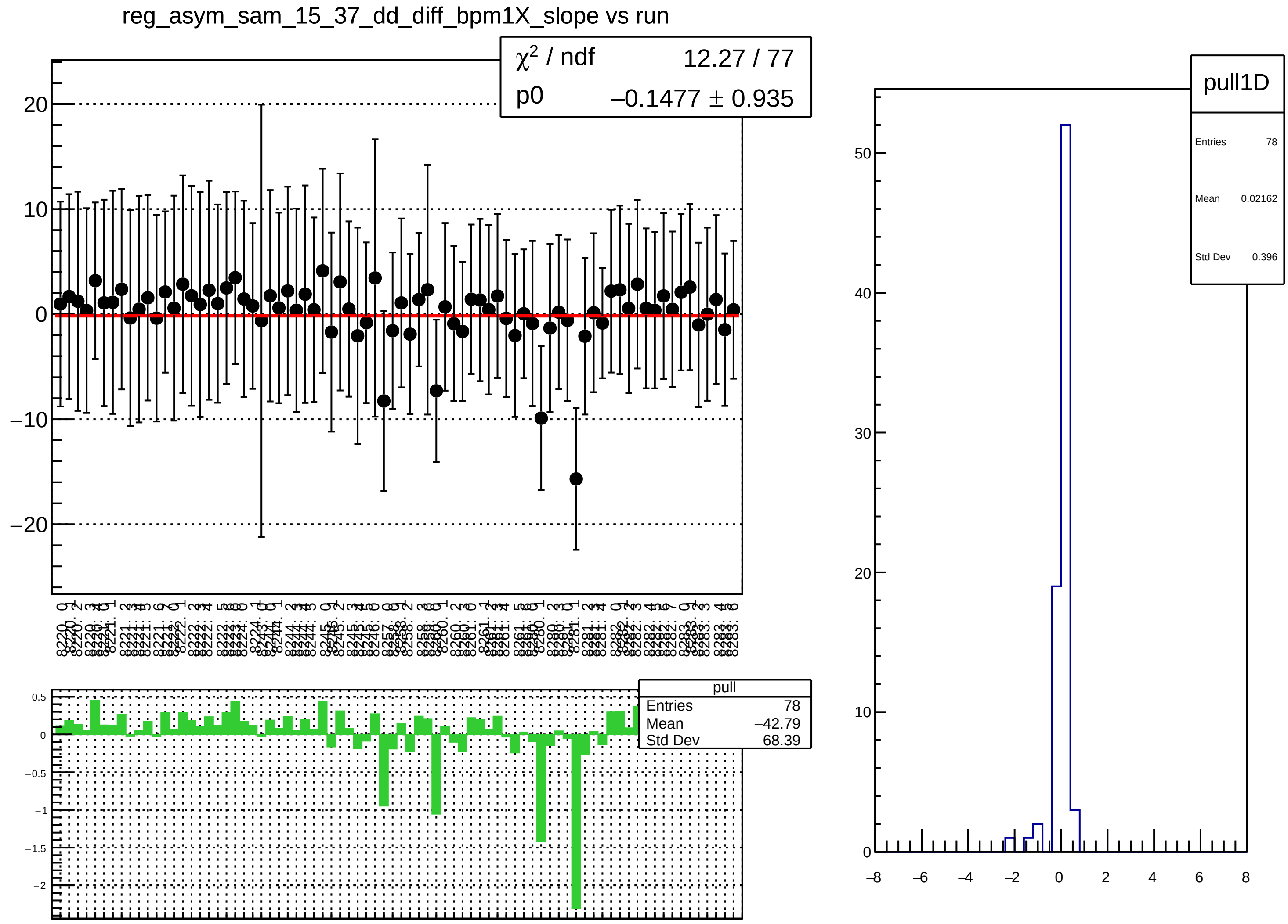
reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.717 / 77
p0 −44.48 ± 1.276
pull
Entries 78
Mean −680.1
Std Dev 717.3
pull1D
Entries 78
Mean −0.007207
Std Dev 0.3529



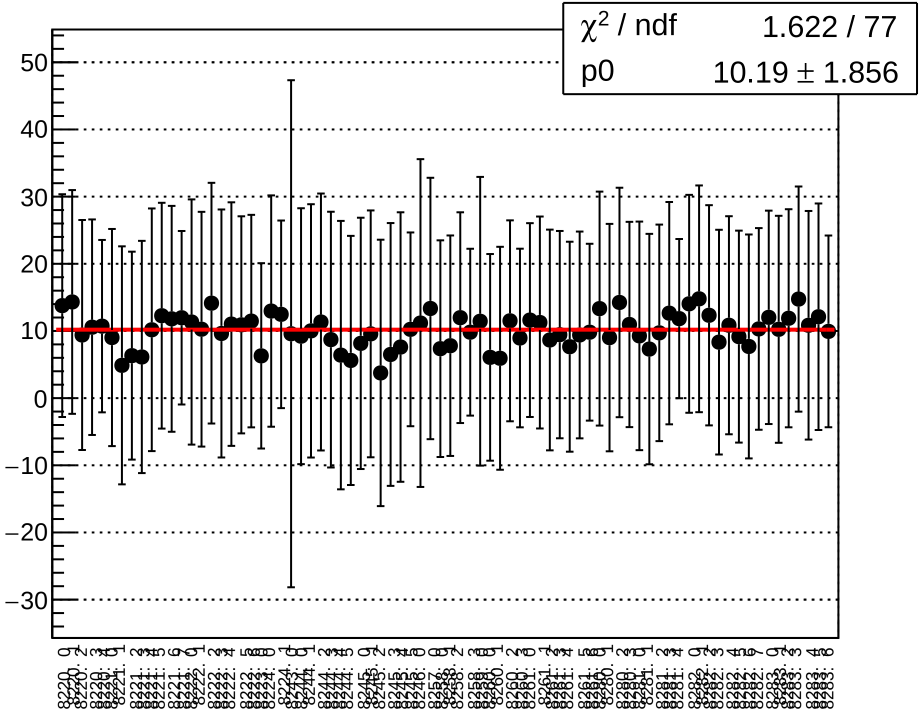
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ2 / ndf 23.82 / 77
p0 −13.92 ± 0.707
pull
Entries 78
Mean 25.89
Std Dev 48.37
pull1D
Entries 78
Mean 0.02456
Std Dev 0.5521

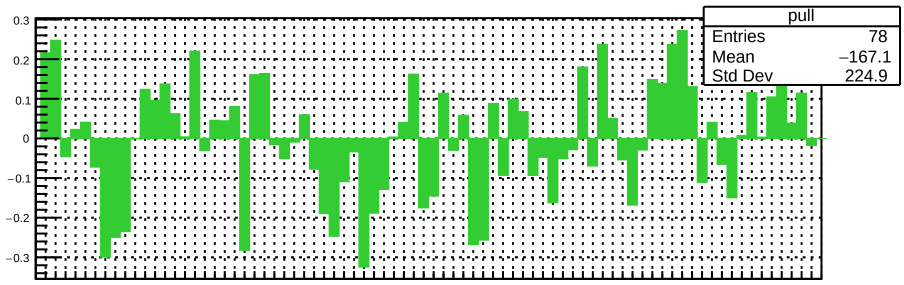

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 10.31 / 77
p0 0.6507 ± 1.341
pull
Entries 78
Mean −523.7
Std Dev 560.7
pull1D
Entries 78
Mean 0.009302
Std Dev 0.3635

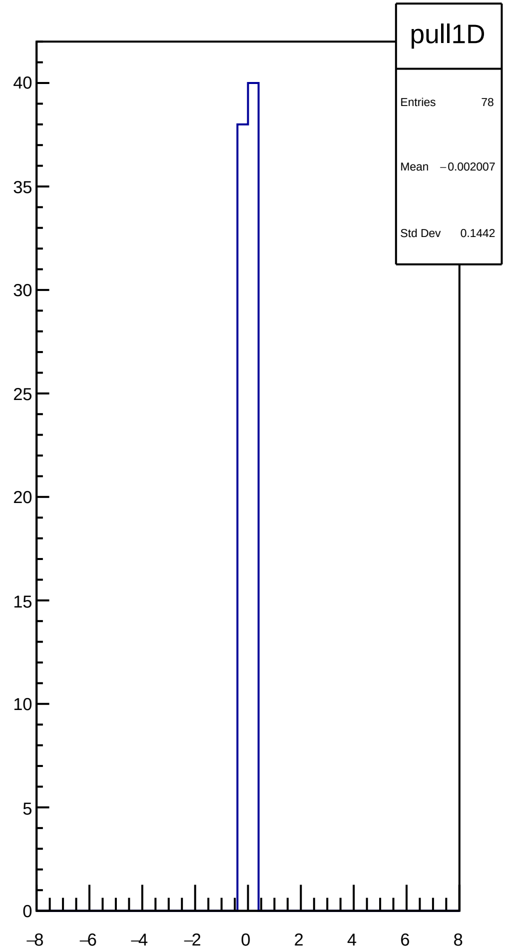

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ2 / ndf 50.14 / 77
p0 0.2961± 0.06921
pull
Entries 78
Mean 47.62
Std Dev 34.42
pull1D
Entries 78
Mean 0.06432
Std Dev 0.7992

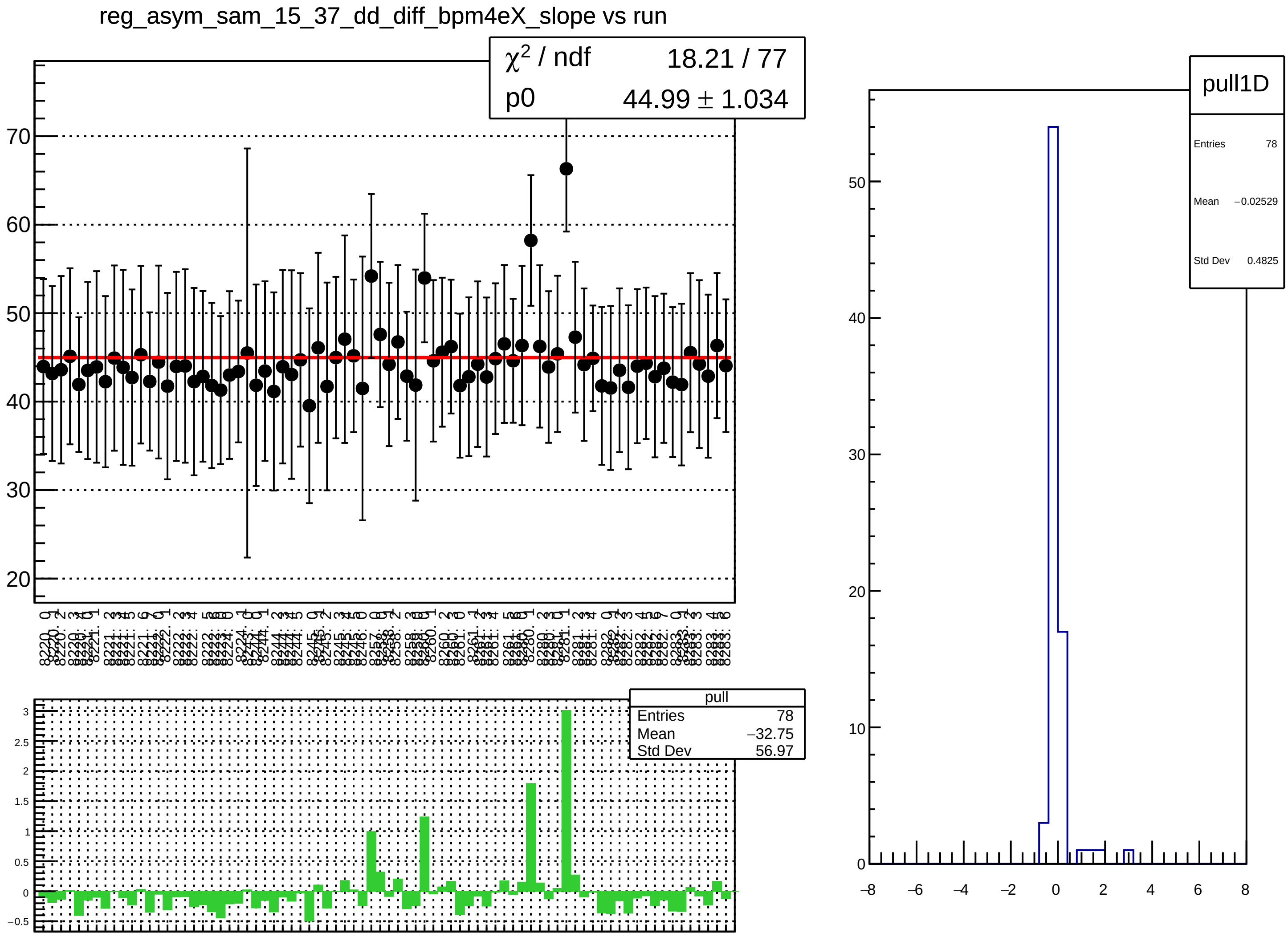

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 12.27 / 77
p0 −0.1477 ± 0.935
pull
Entries 78
Mean −42.79
Std Dev 68.39
pull1D
Entries 78
Mean 0.02162
Std Dev 0.396

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run

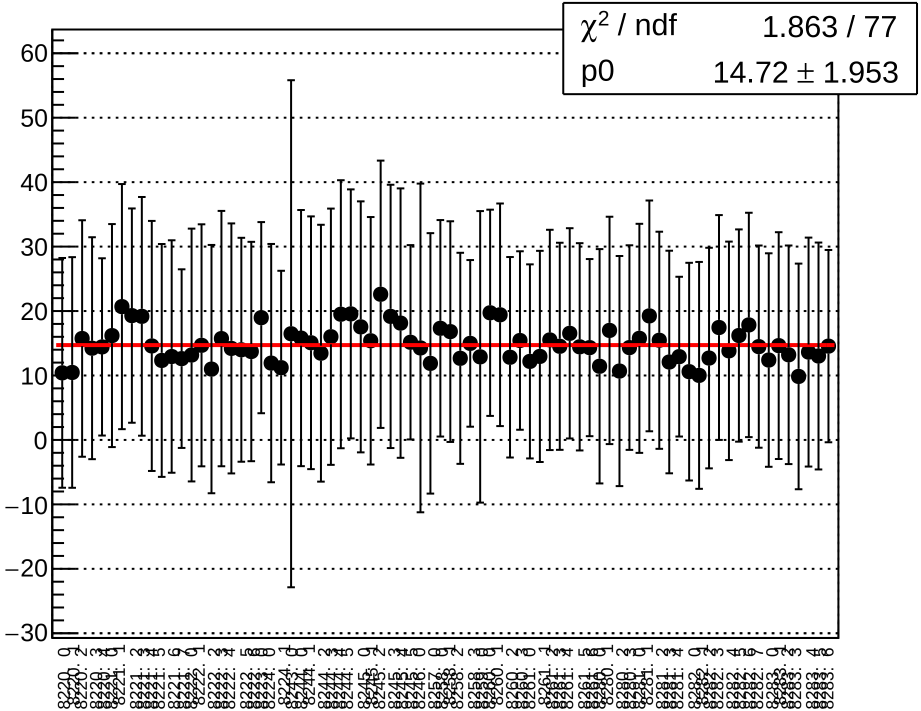


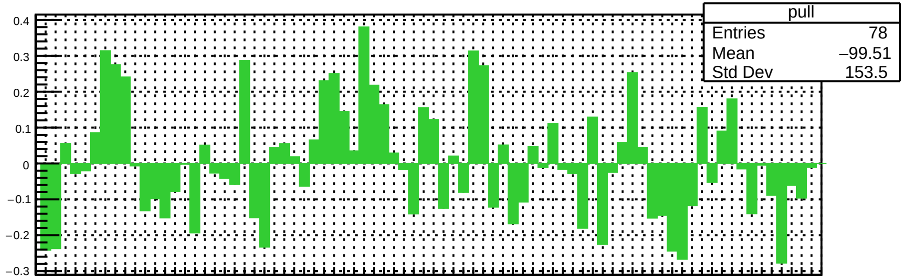


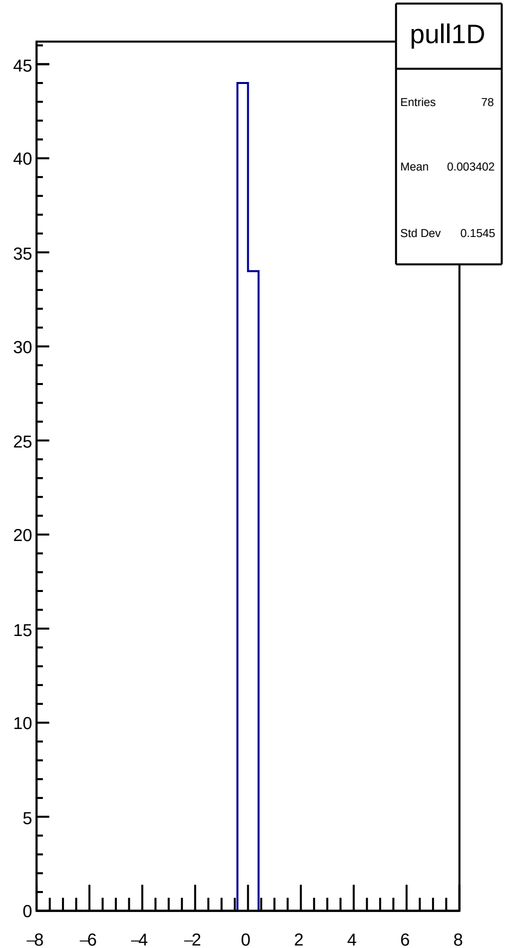


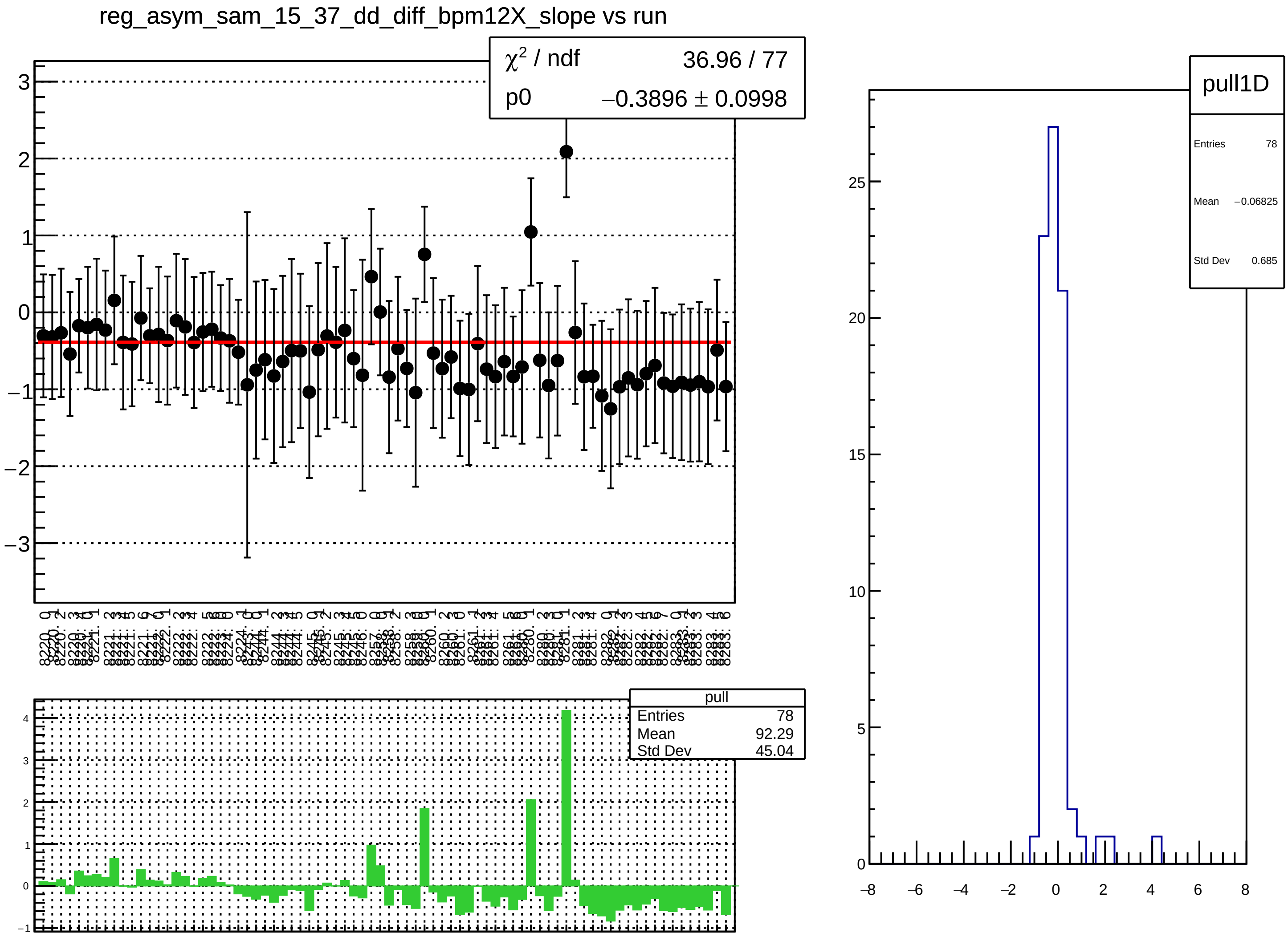

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 18.21 / 77
p0 44.99 ± 1.034
pull
Entries 78
Mean −32.75
Std Dev 56.97
pull1D
Entries 78
Mean −0.02529
Std Dev 0.4825

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run

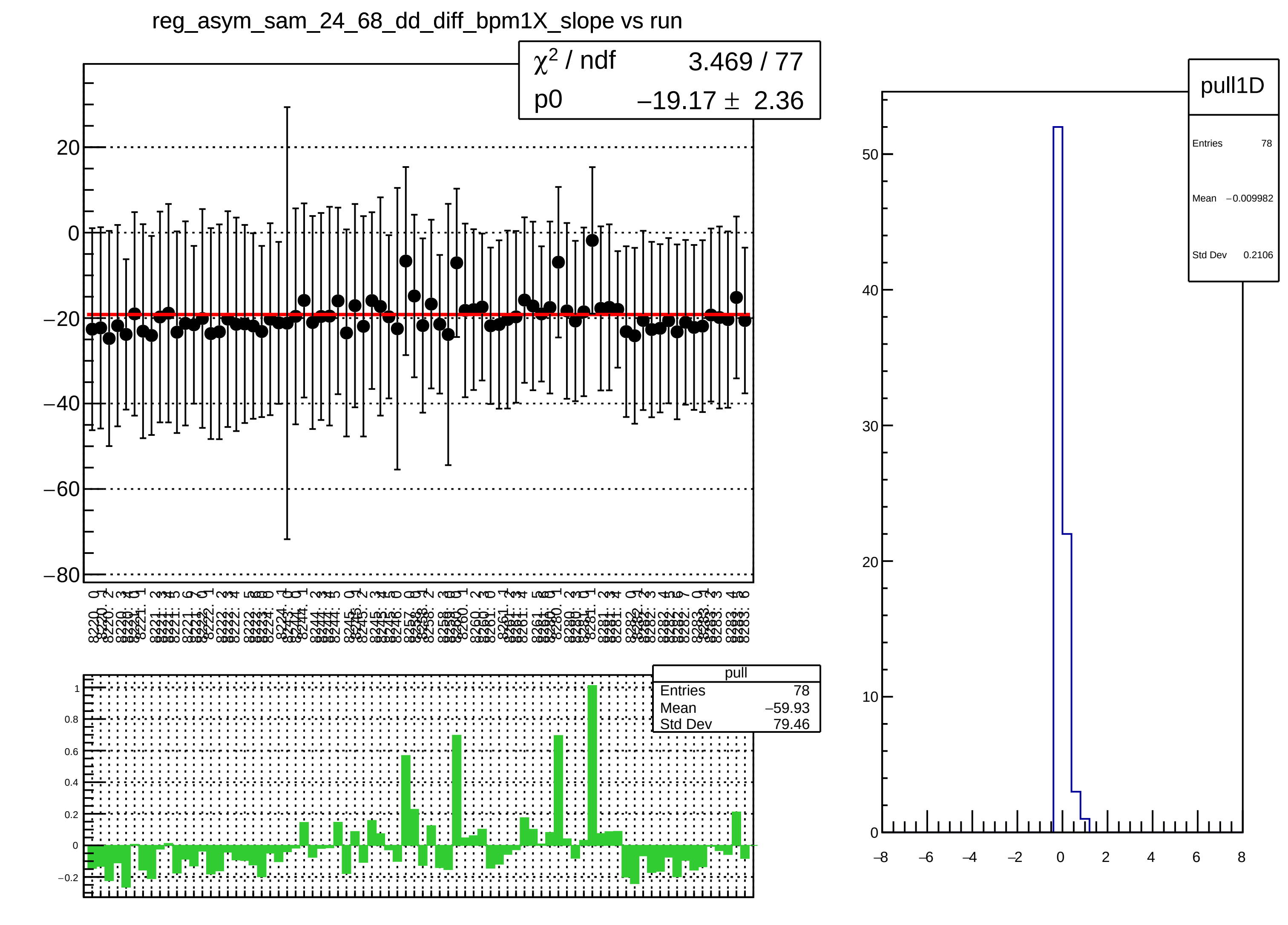




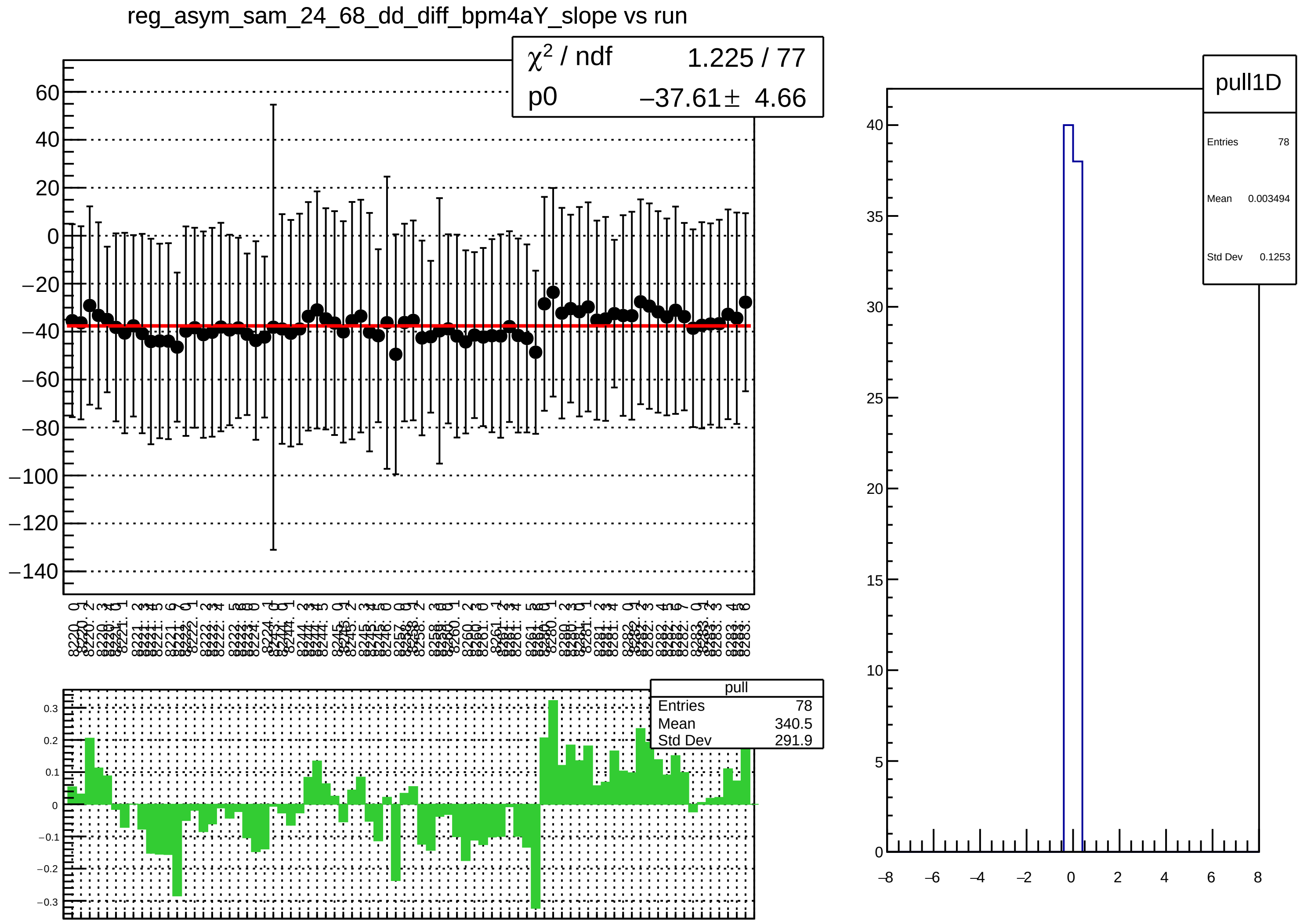




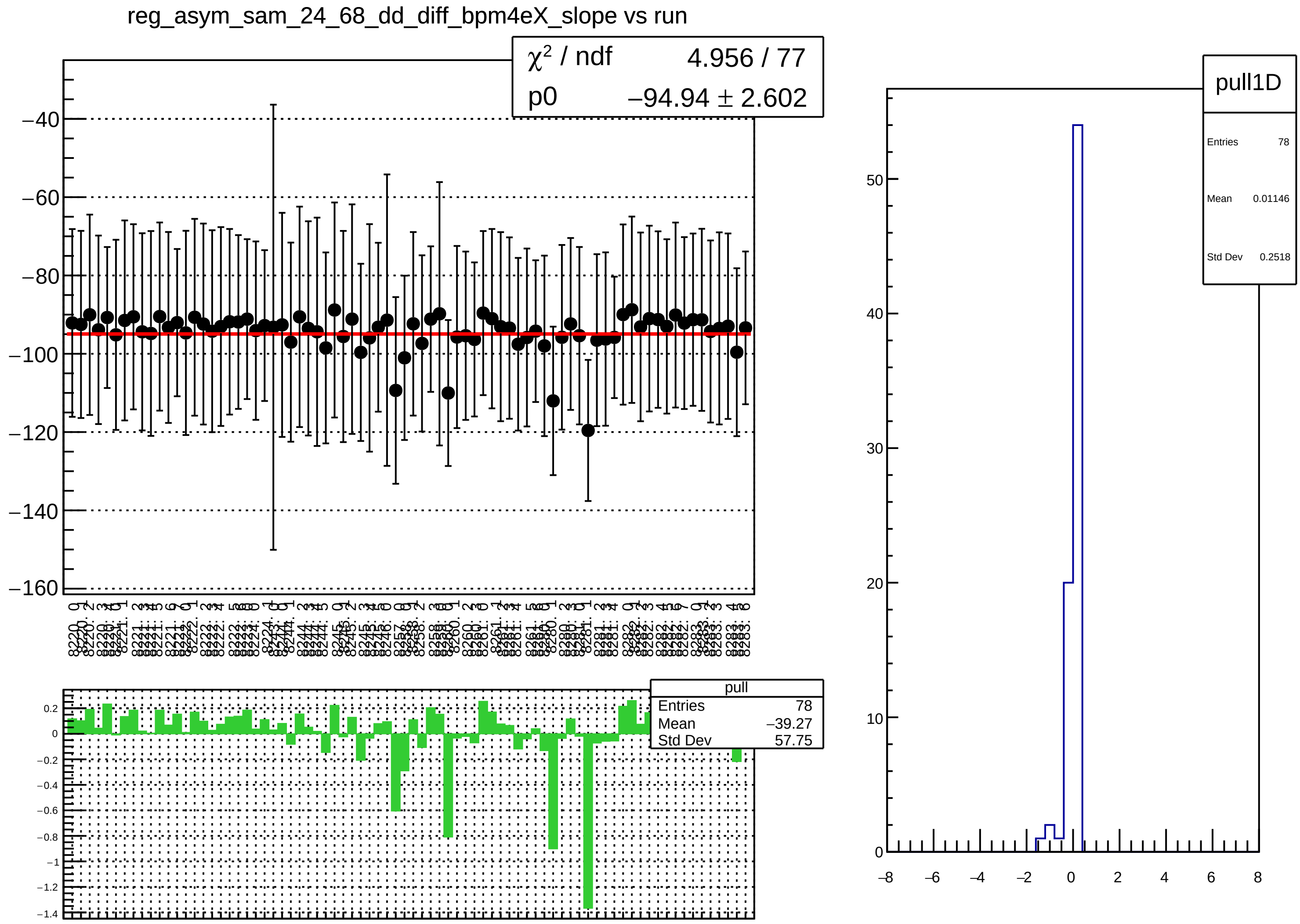
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ2 / ndf 36.96 / 77
p0 −0.3896 ± 0.0998
pull
Entries 78
Mean 92.29
Std Dev 45.04
pull1D
Entries 78
Mean −0.06825
Std Dev 0.685



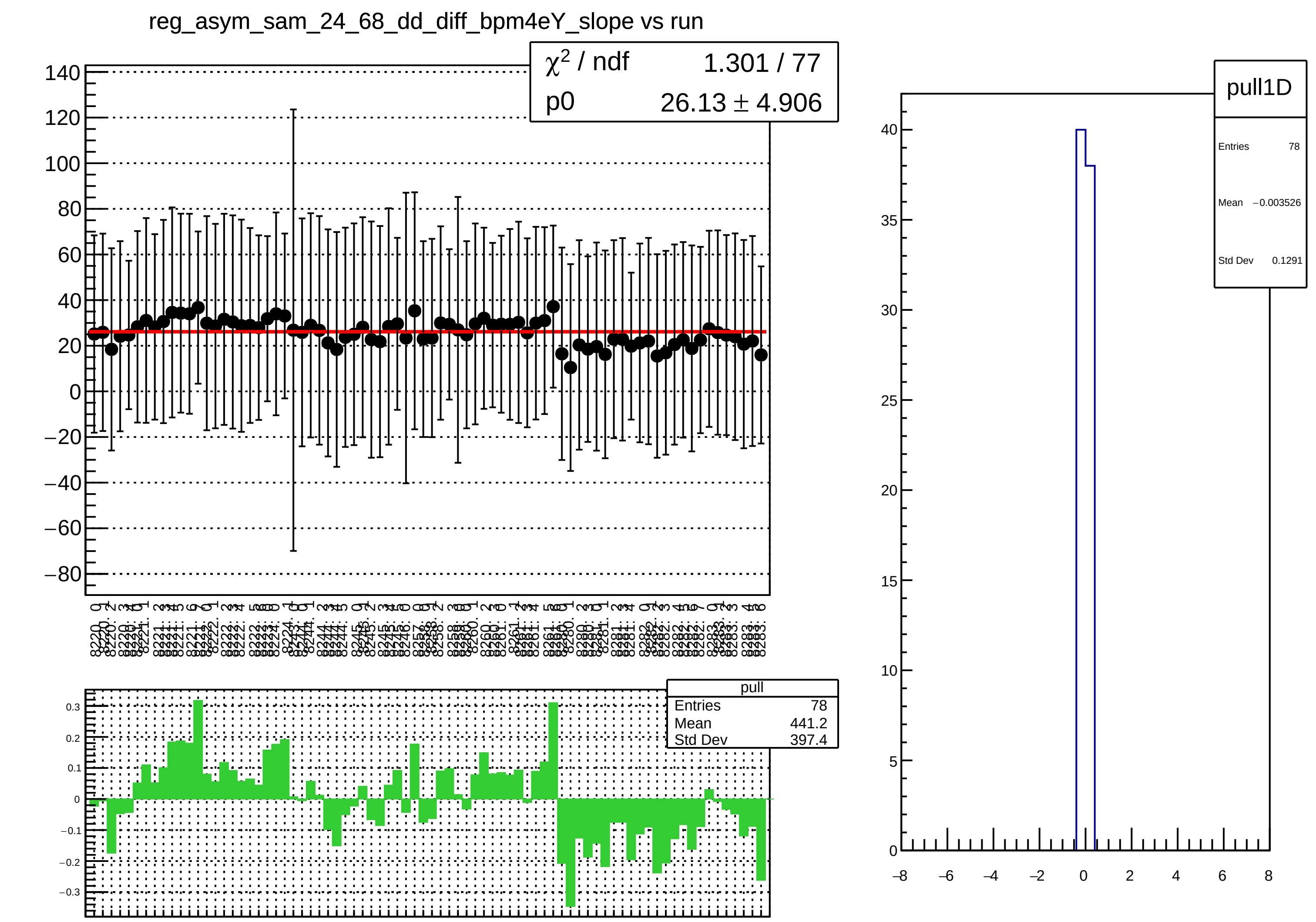
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.469 / 77
p0 −19.17 ± 2.36
pull
Entries 78
Mean −59.93
Std Dev 79.46
pull1D
Entries 78
Mean −0.009982
Std Dev 0.2106

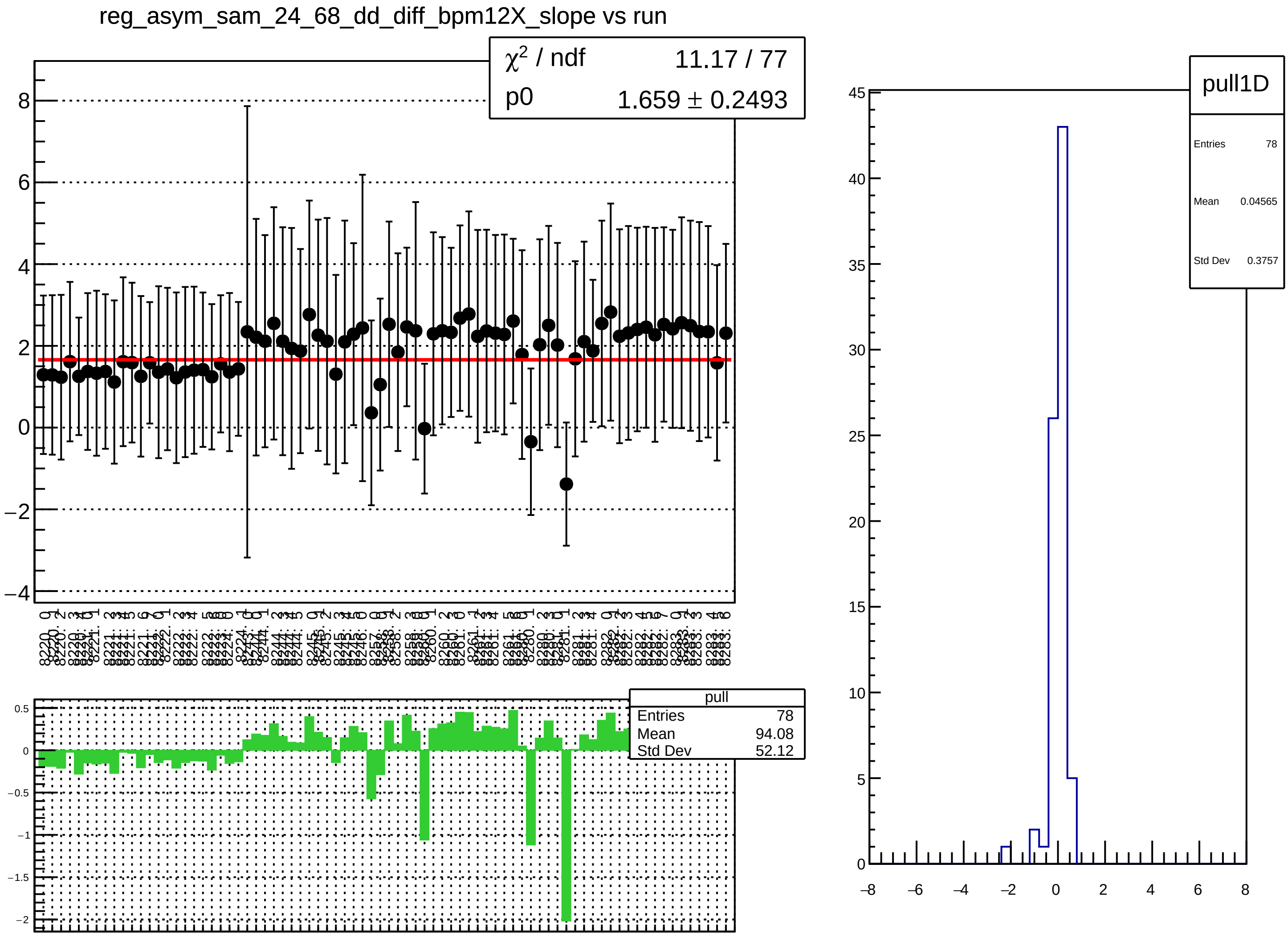


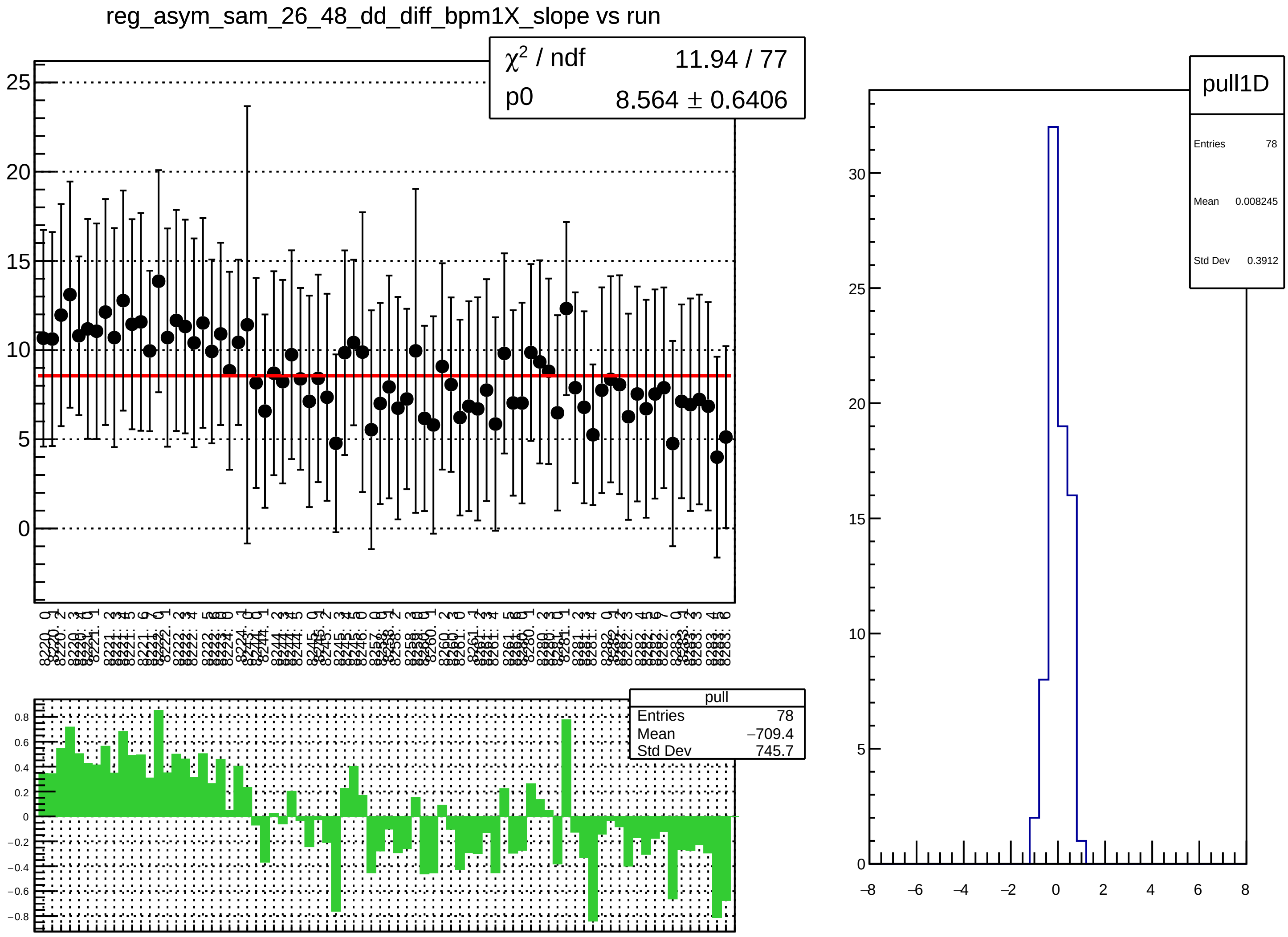
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.225 / 77
p0 −37.61 ± 4.66
pull
Entries 78
Mean 340.5
Std Dev 291.9
pull1D
Entries 78
Mean 0.003494
Std Dev 0.1253



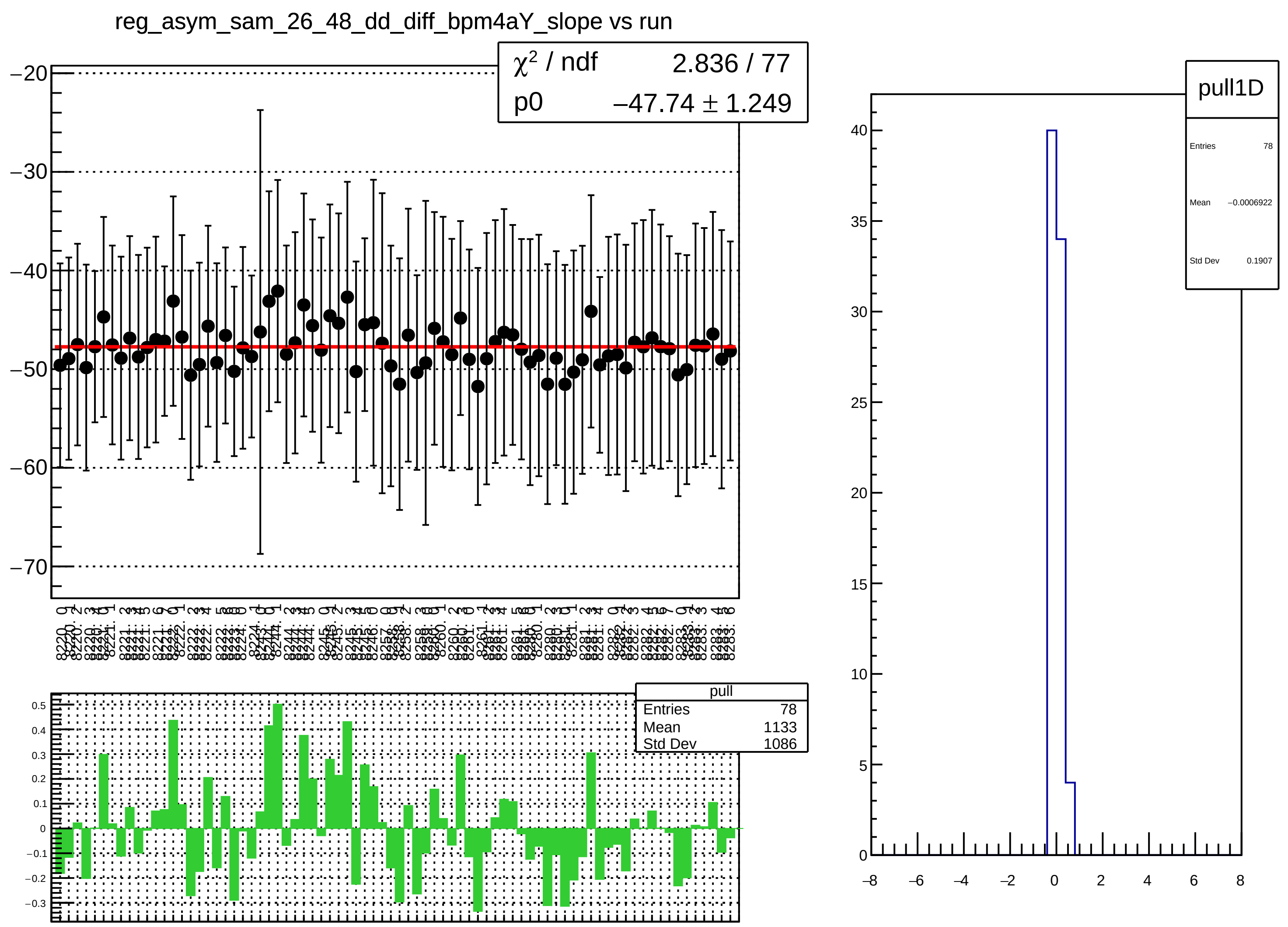
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.956 / 77
p0 −94.94 ± 2.602
pull
Entries 78
Mean −39.27
Std Dev 57.75
pull1D
Entries 78
Mean 0.01146
Std Dev 0.2518


reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.301 / 77
p0 26.13 ± 4.906
pull
Entries 78
Mean 441.2
Std Dev 397.4
pull1D
Entries 78
Mean −0.003526
Std Dev 0.1291

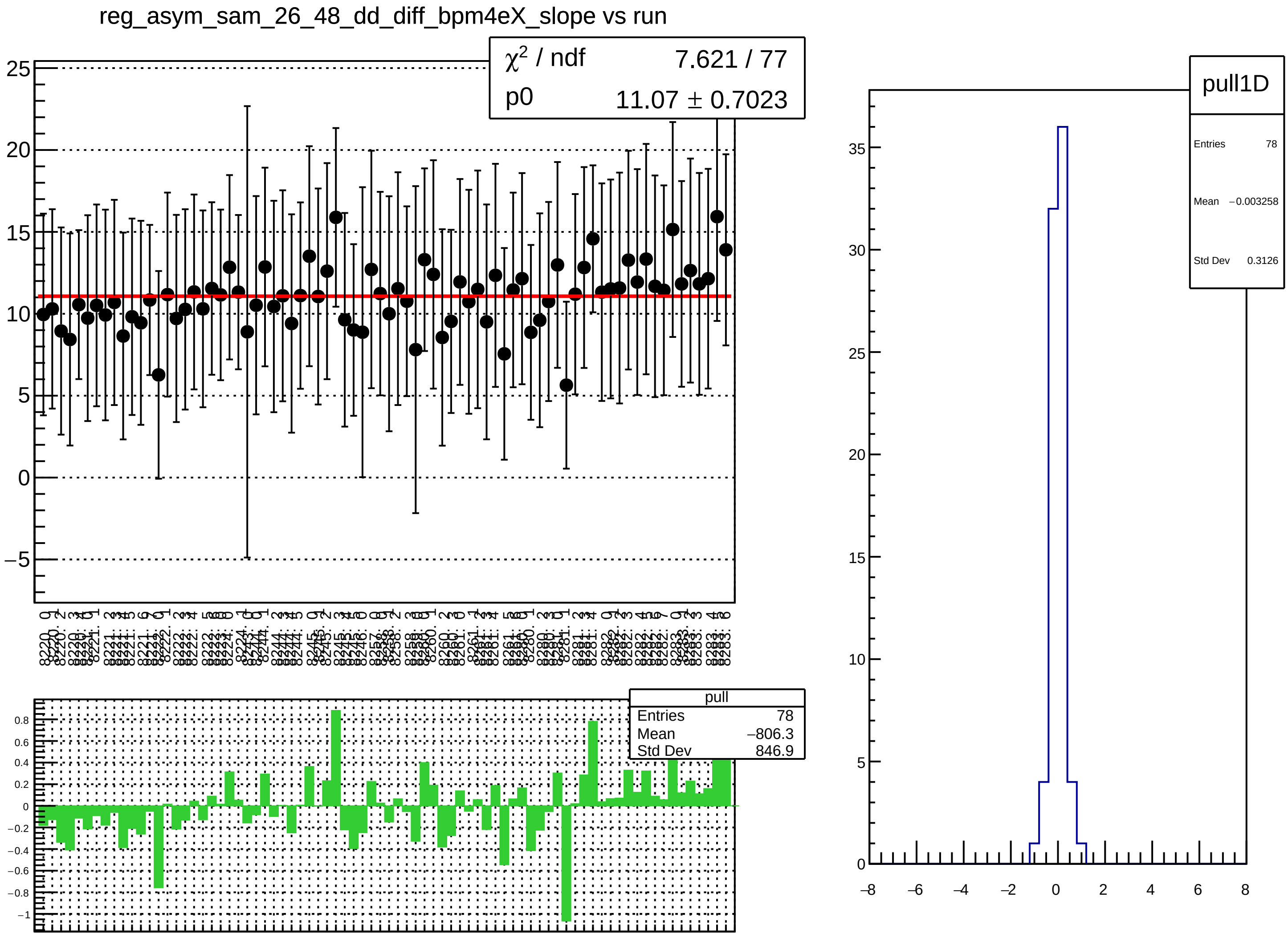

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.17 / 77
p0 1.659 ± 0.2493
pull
Entries 78
Mean 94.08
Std Dev 52.12
pull1D
Entries 78
Mean 0.04565
Std Dev 0.3757

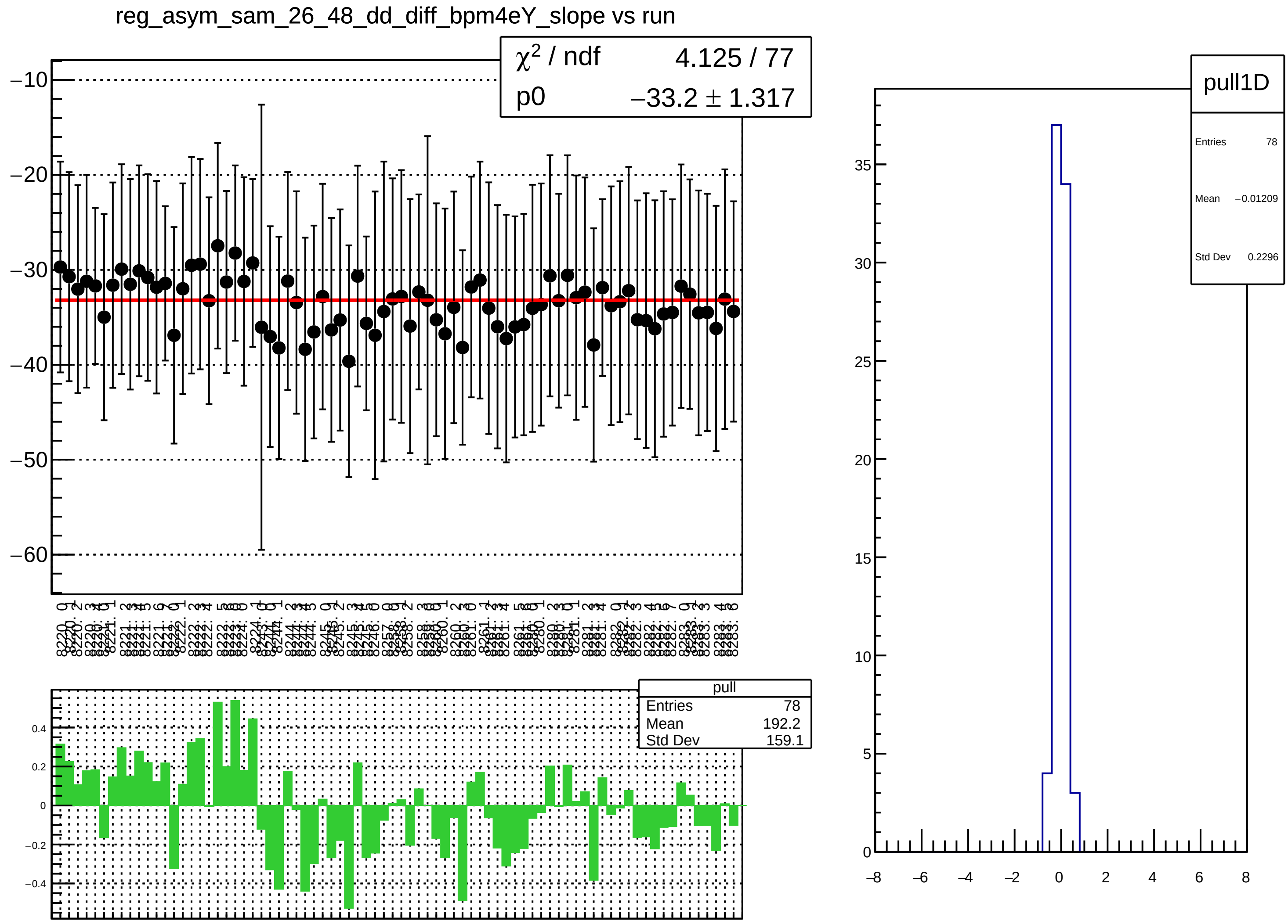


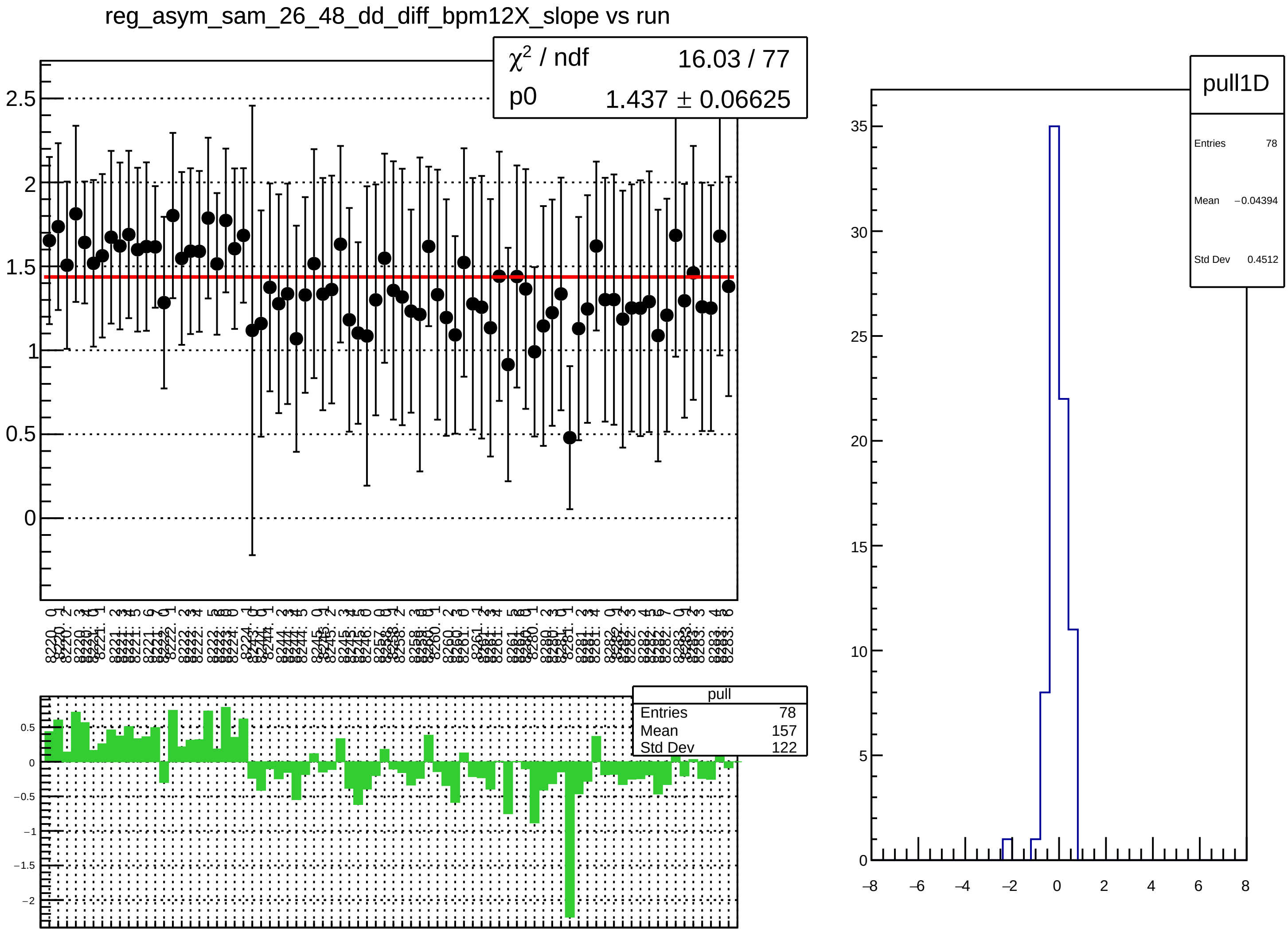
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 11.94 / 77
p0 8.564 ± 0.6406
pull
Entries 78
Mean −709.4
Std Dev 745.7
pull1D
Entries 78
Mean 0.008245
Std Dev 0.3912



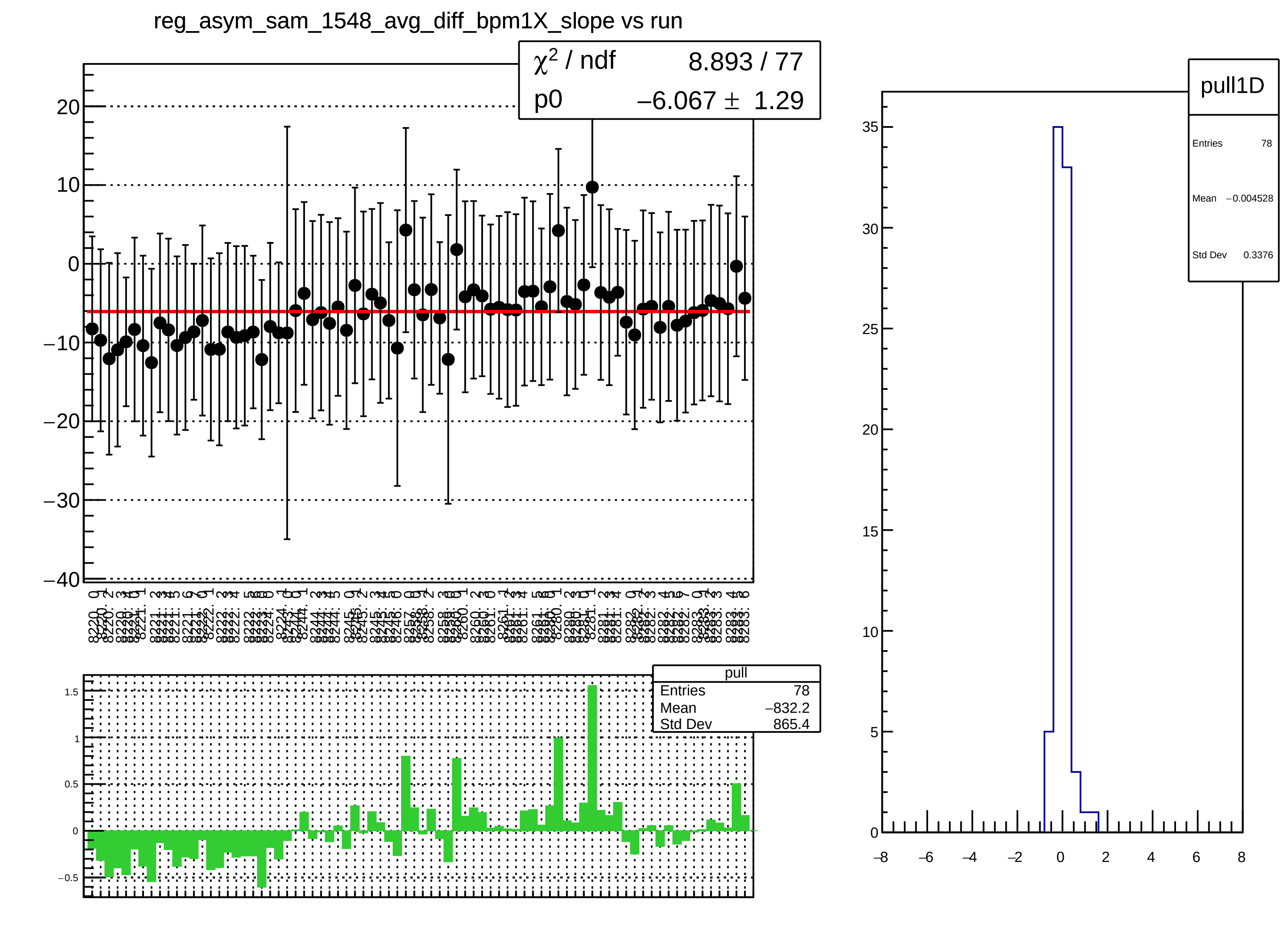
reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.836 / 77
p0 −47.74 ± 1.249
pull
Entries 78
Mean 1133
Std Dev 1086
pull1D
Entries 78
Mean −0.0006922
Std Dev 0.1907


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 7.621 / 77
p0 11.07 ± 0.7023
pull
Entries 78
Mean −806.3
Std Dev 846.9
pull1D
Entries 78
Mean −0.003258
Std Dev 0.3126

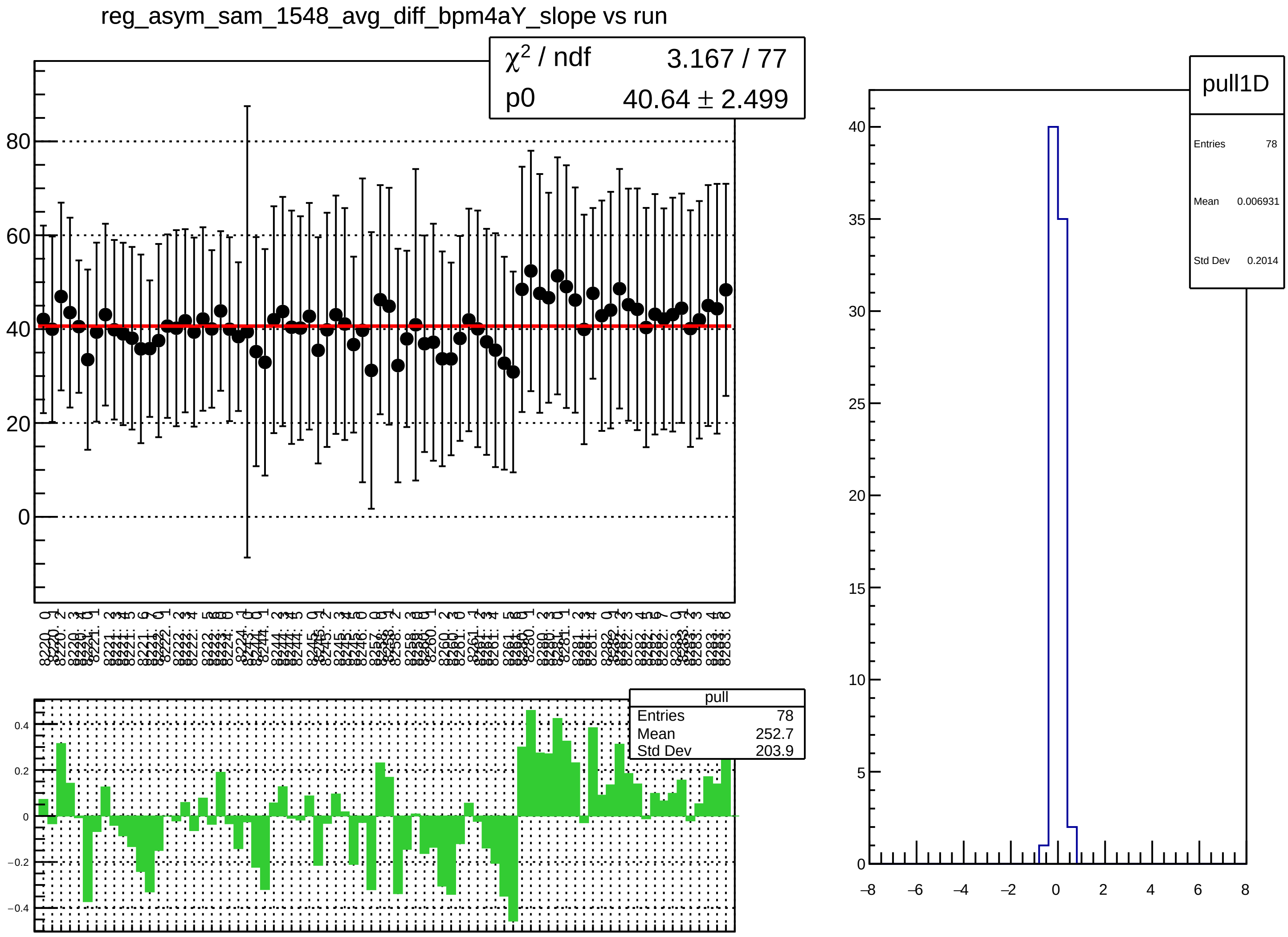

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.125 / 77
p0 −33.2 ± 1.317
pull
Entries 78
Mean 192.2
Std Dev 159.1
pull1D
Entries 78
Mean −0.01209
Std Dev 0.2296



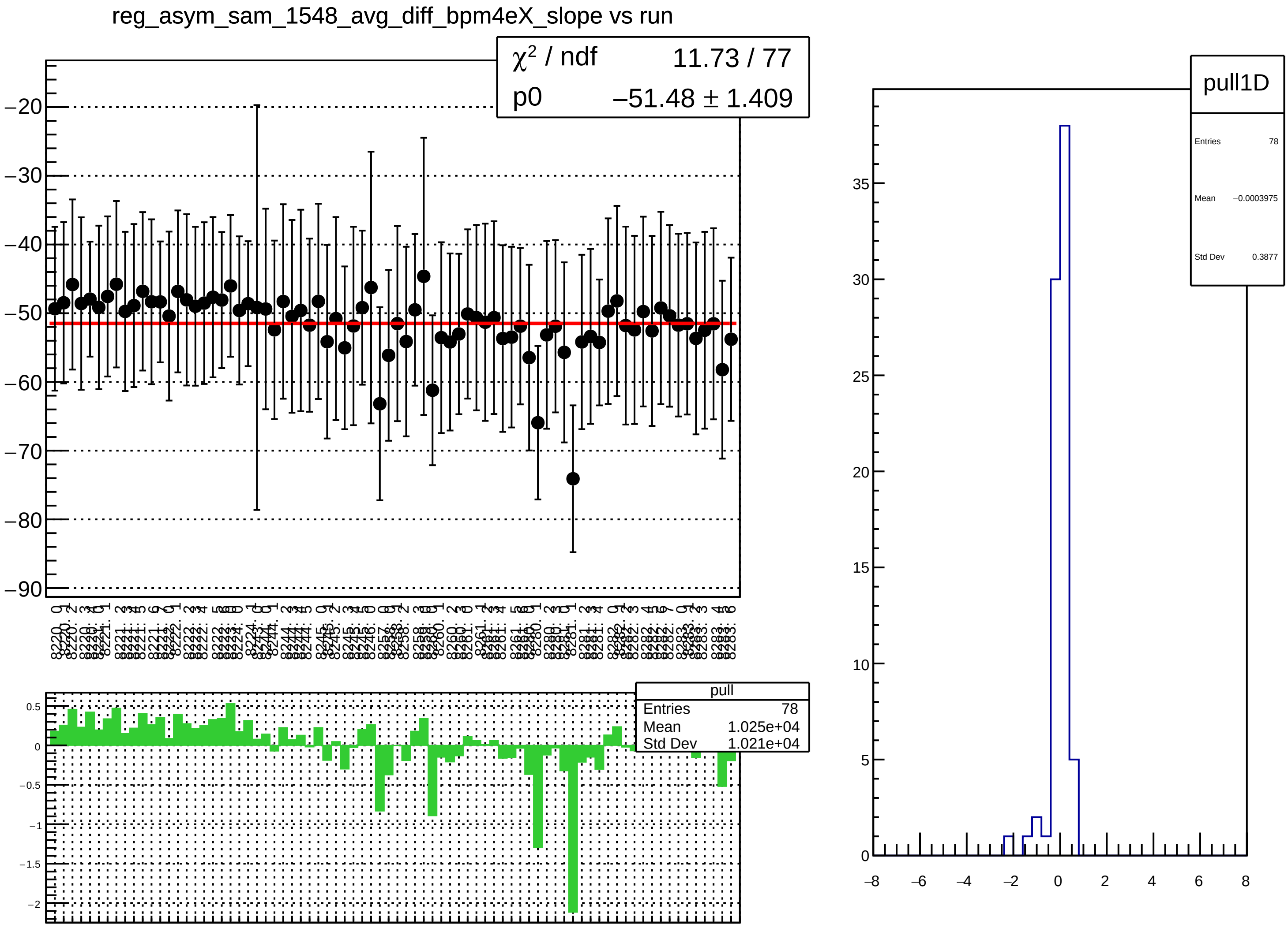
reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.03 / 77
p0 1.437 ± 0.06625
pull
Entries 78
Mean 157
Std Dev 122
pull1D
Entries 78
Mean −0.04394
Std Dev 0.4512



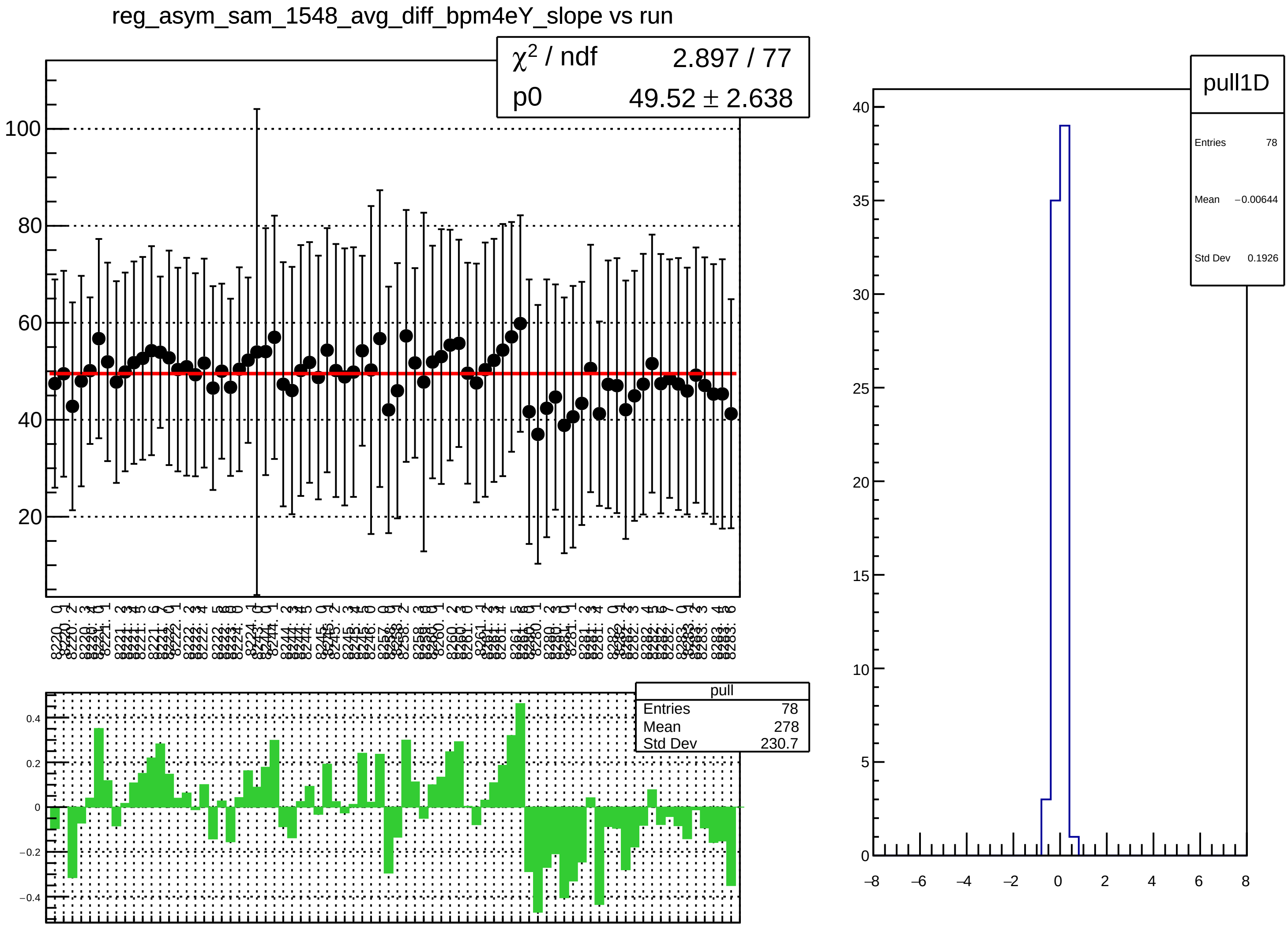
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.893 / 77
p0 −6.067 ± 1.29
pull
Entries 78
Mean −832.2
Std Dev 865.4
pull1D
Entries 78
Mean −0.004528
Std Dev 0.3376



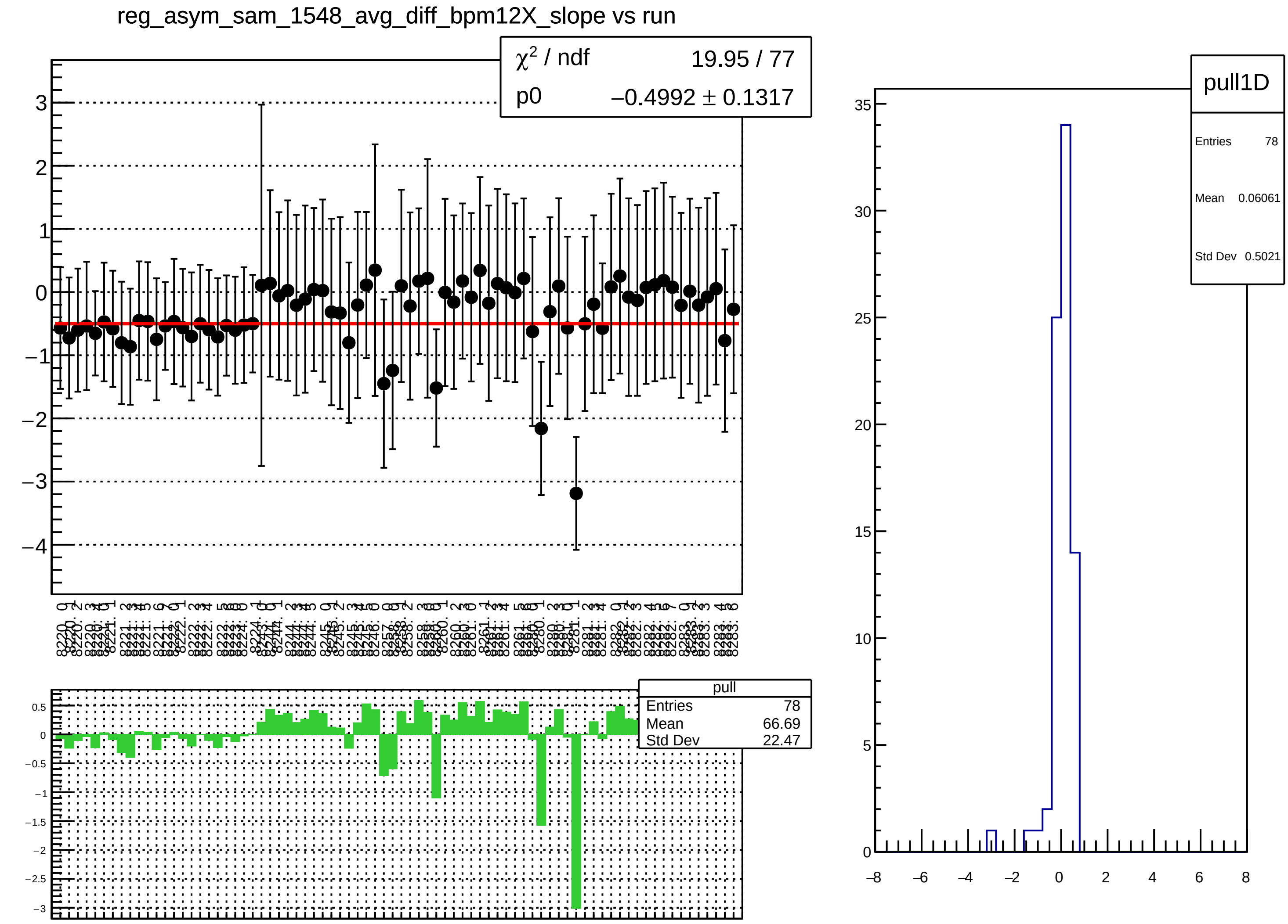
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.167 / 77
p0 40.64 ± 2.499
pull
Entries 78
Mean 252.7
Std Dev 203.9
pull1D
Entries 78
Mean 0.006931
Std Dev 0.2014

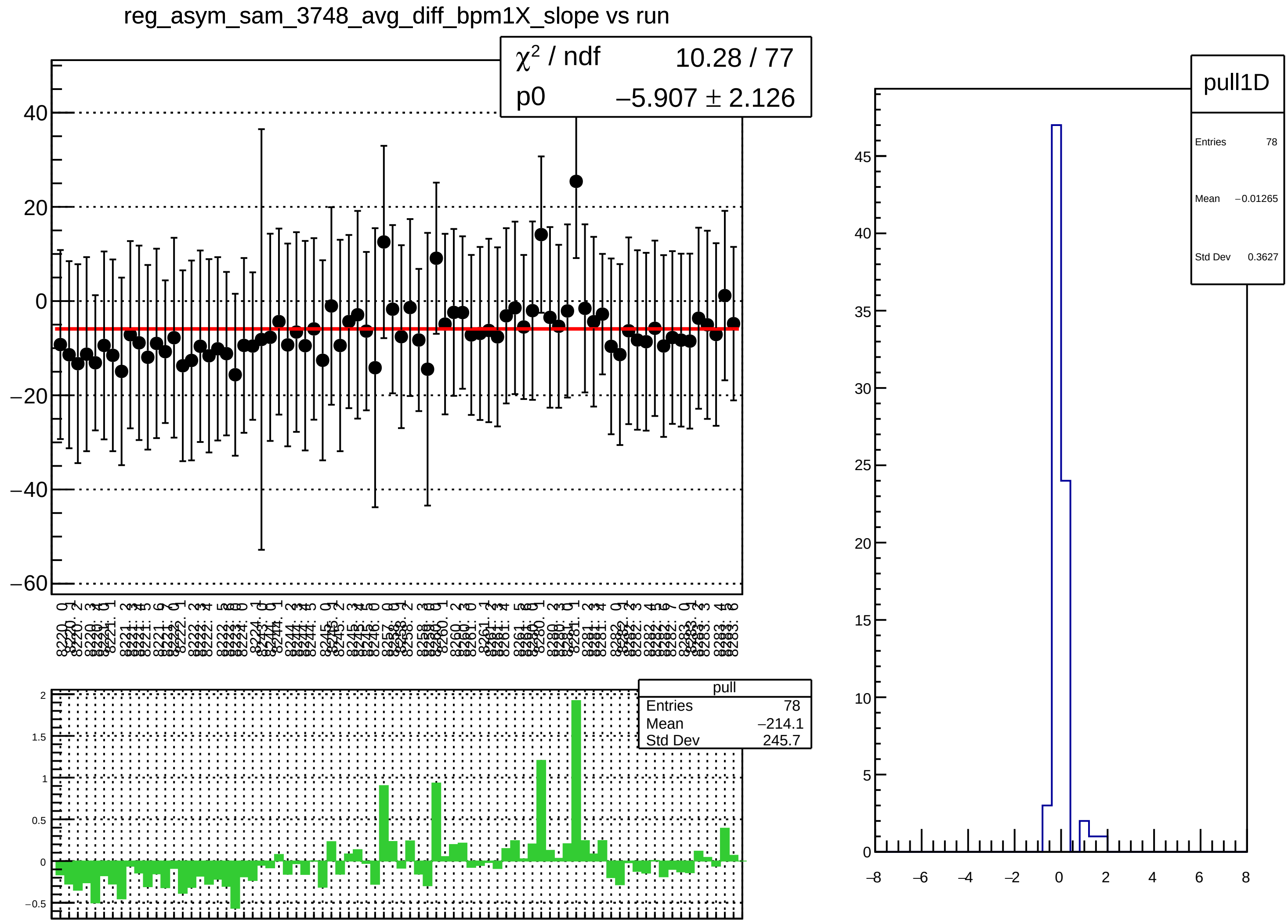


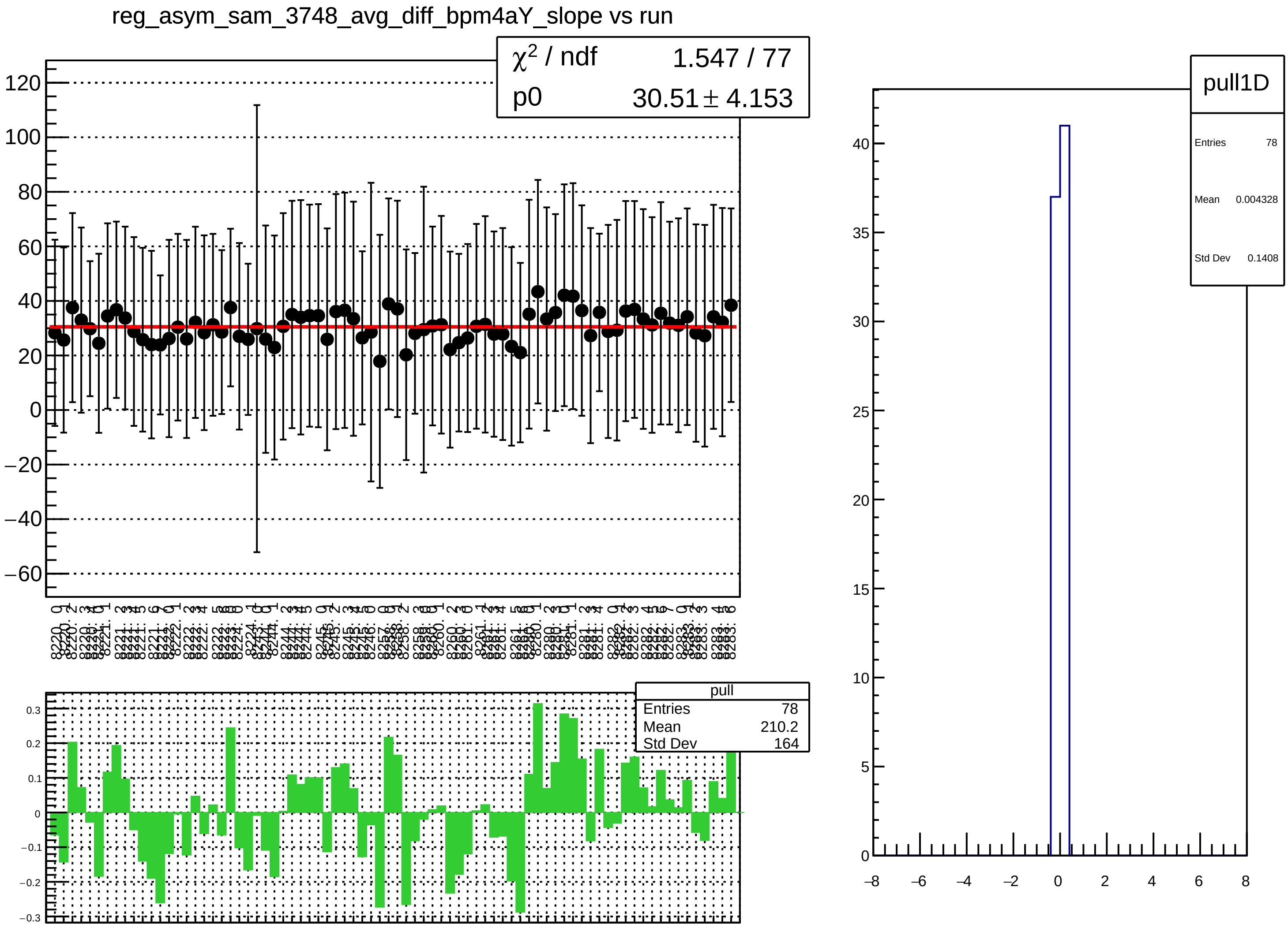
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 11.73 / 77
p0 −51.48 ± 1.409
pull
Entries 78
Mean 1.025e+04
Std Dev 1.021e+04
pull1D
Entries 78
Mean −0.0003975
Std Dev 0.3877

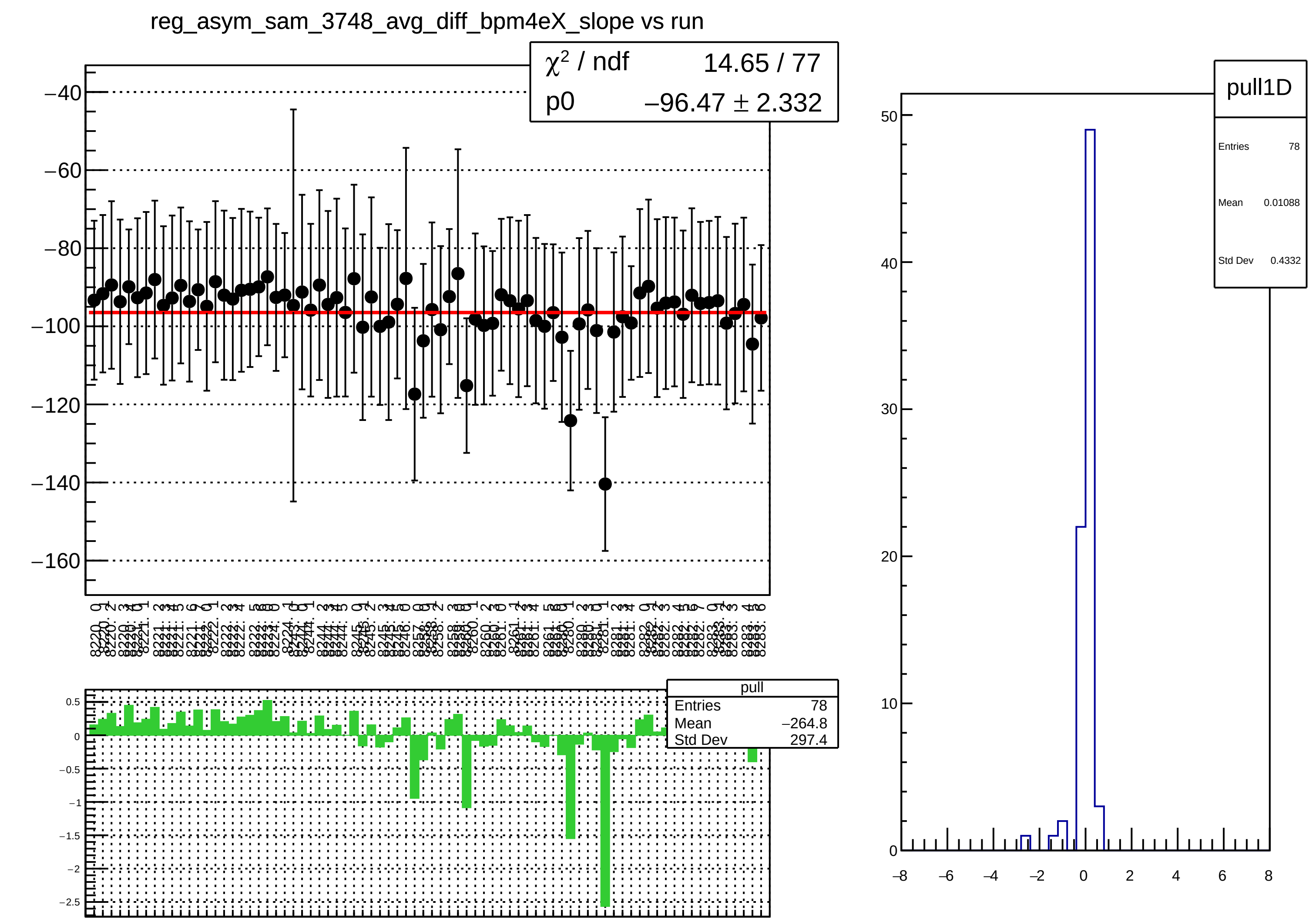


reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.897 / 77
p0 49.52 ± 2.638
pull
Entries 78
Mean 278
Std Dev 230.7
pull1D
Entries 78
Mean −0.00644
Std Dev 0.1926

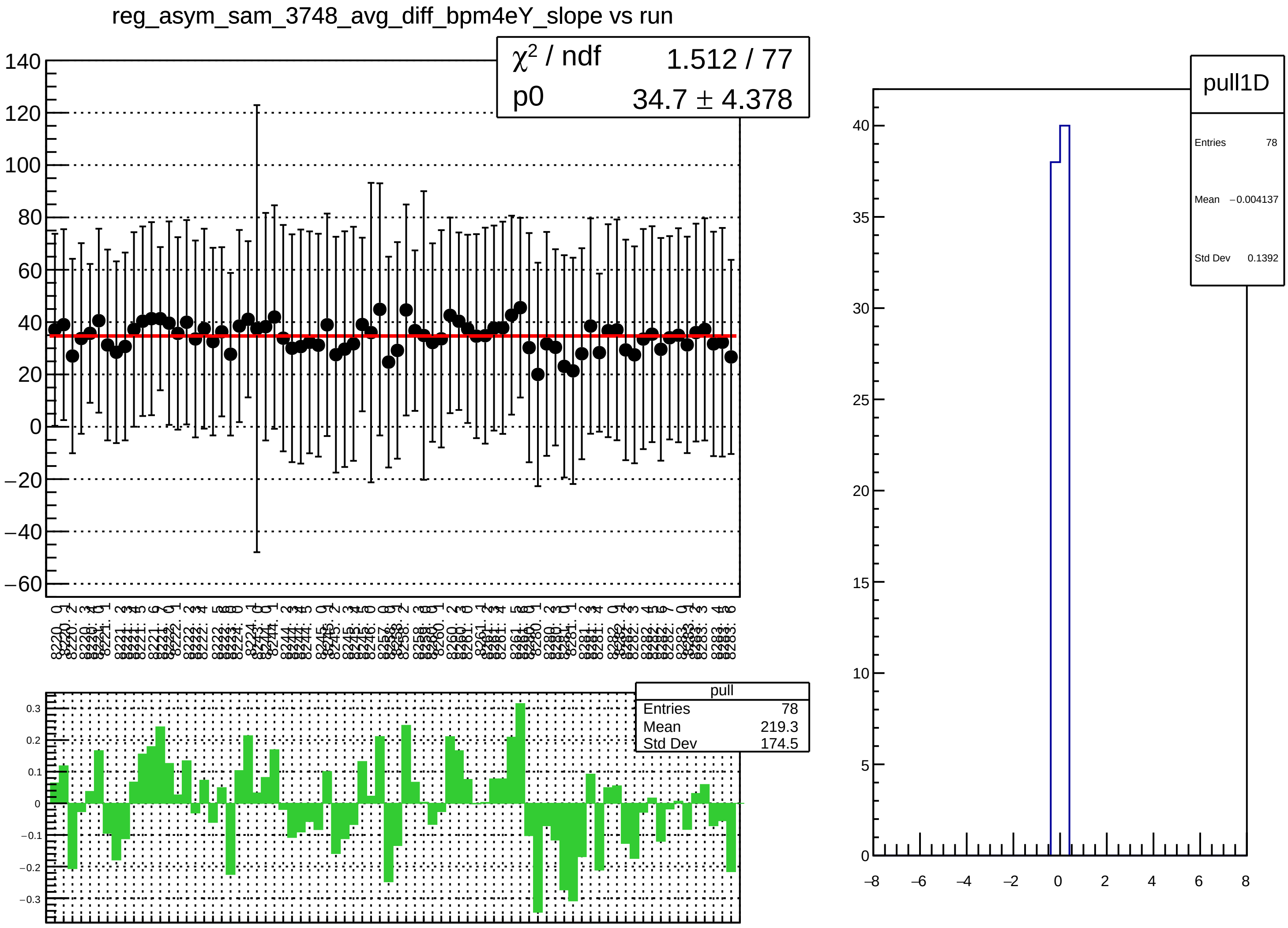

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 19.95 / 77
p0 −0.4992 ± 0.1317
pull
Entries 78
Mean 66.69
Std Dev 22.47
pull1D
Entries 78
Mean 0.06061
Std Dev 0.5021


reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 10.28 / 77
p0 −5.907 ± 2.126
pull
Entries 78
Mean −214.1
Std Dev 245.7
pull1D
Entries 78
Mean −0.01265
Std Dev 0.3627

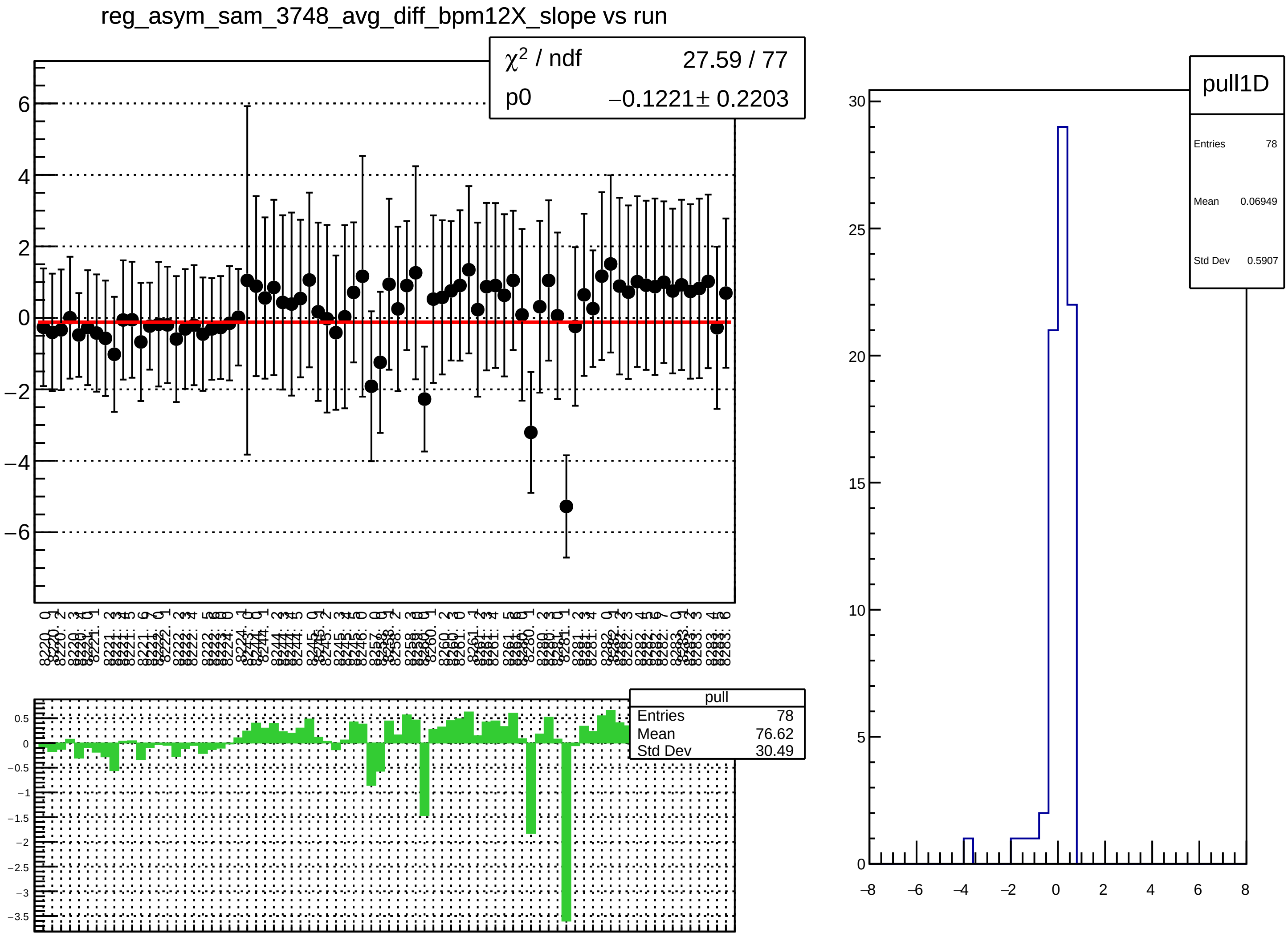

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.547 / 77
p0 30.51 ± 4.153
pull
Entries 78
Mean 210.2
Std Dev 164
pull1D
Entries 78
Mean 0.004328
Std Dev 0.1408



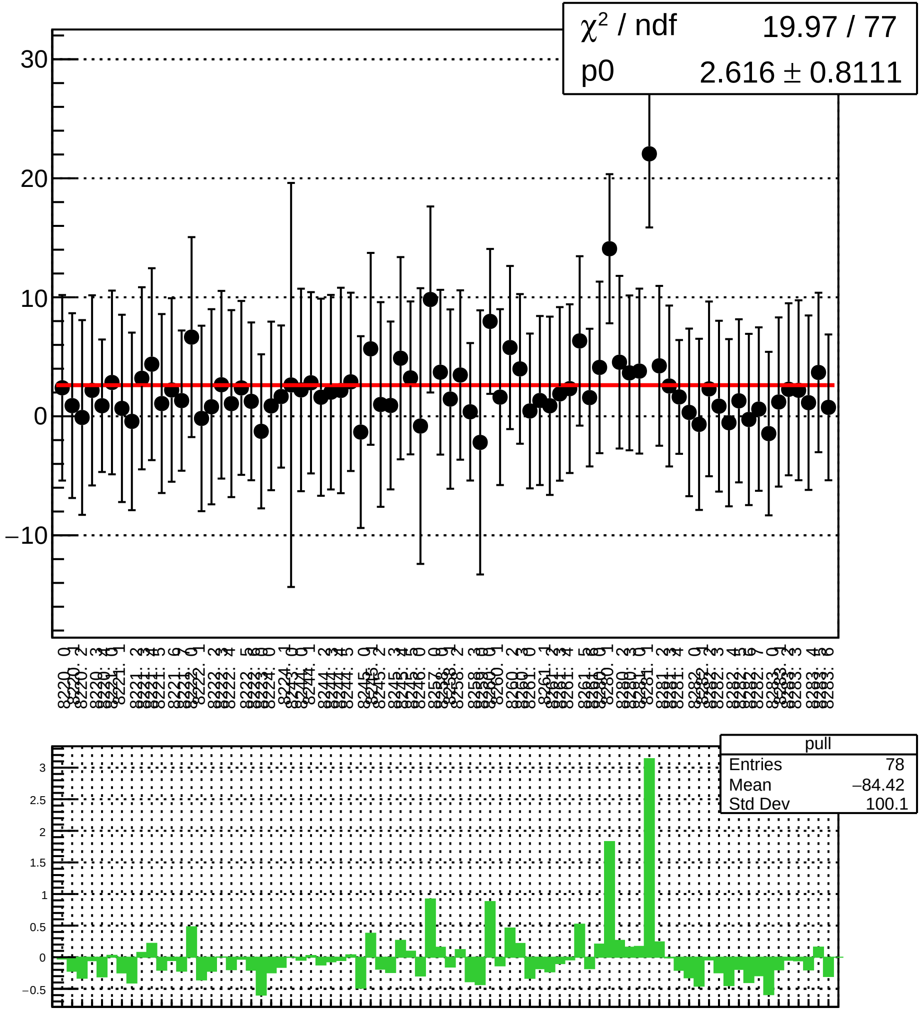
reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ2 / ndf 14.65 / 77
p0 −96.47 ± 2.332
pull
Entries 78
Mean −264.8
Std Dev 297.4
pull1D
Entries 78
Mean 0.01088
Std Dev 0.4332

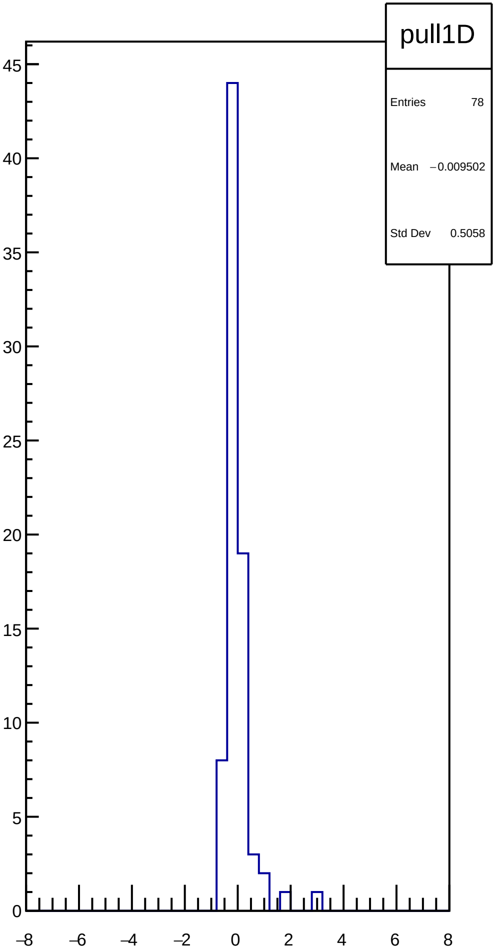


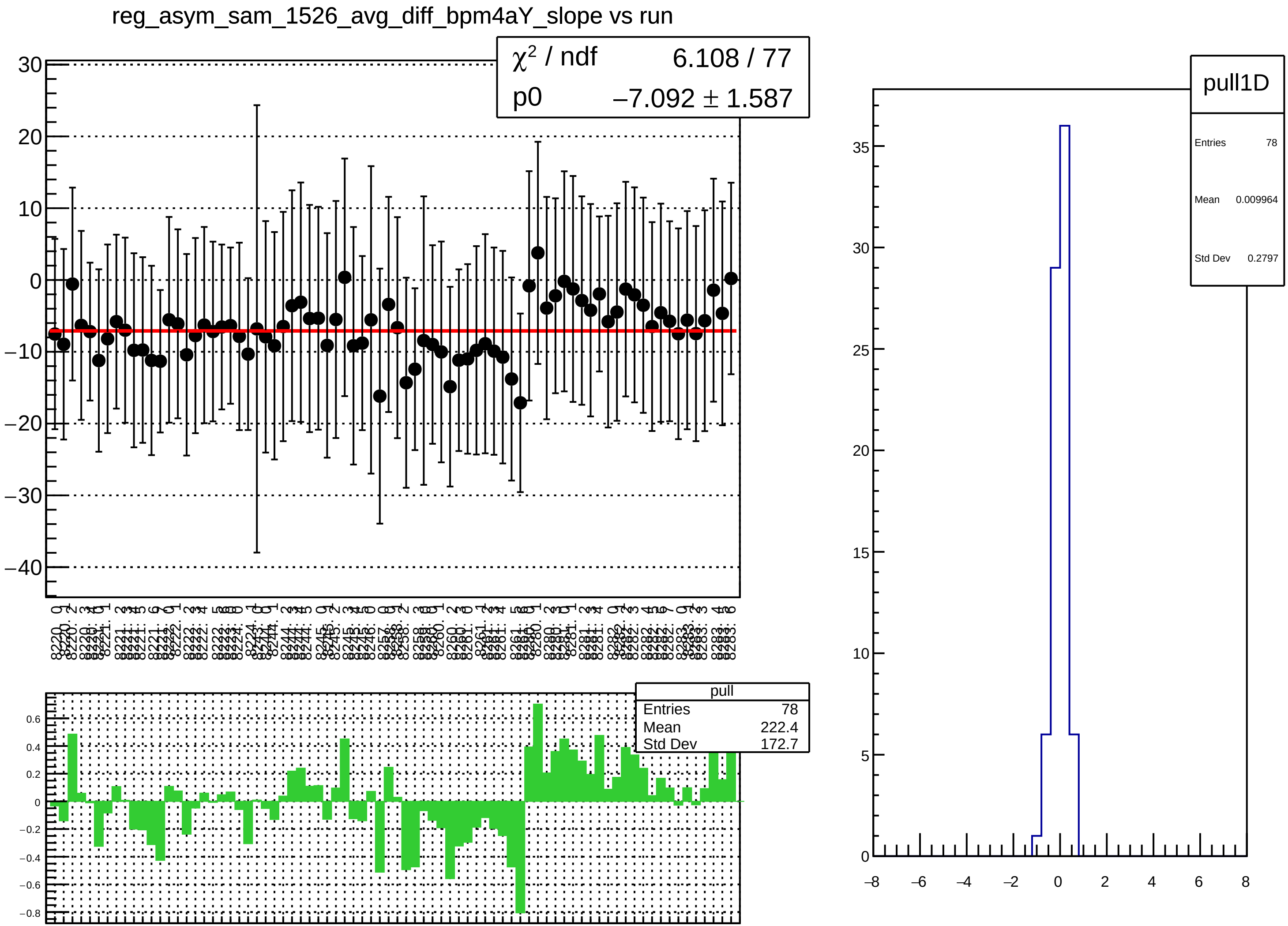
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1.512 / 77
p0 34.7 ± 4.378
pull
Entries 78
Mean 219.3
Std Dev 174.5
pull1D
Entries 78
Mean −0.004137
Std Dev 0.1392


reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ2 / ndf 27.59 / 77
p0 −0.1221± 0.2203
pull
Entries 78
Mean 76.62
Std Dev 30.49
pull1D
Entries 78
Mean 0.06949
Std Dev 0.5907

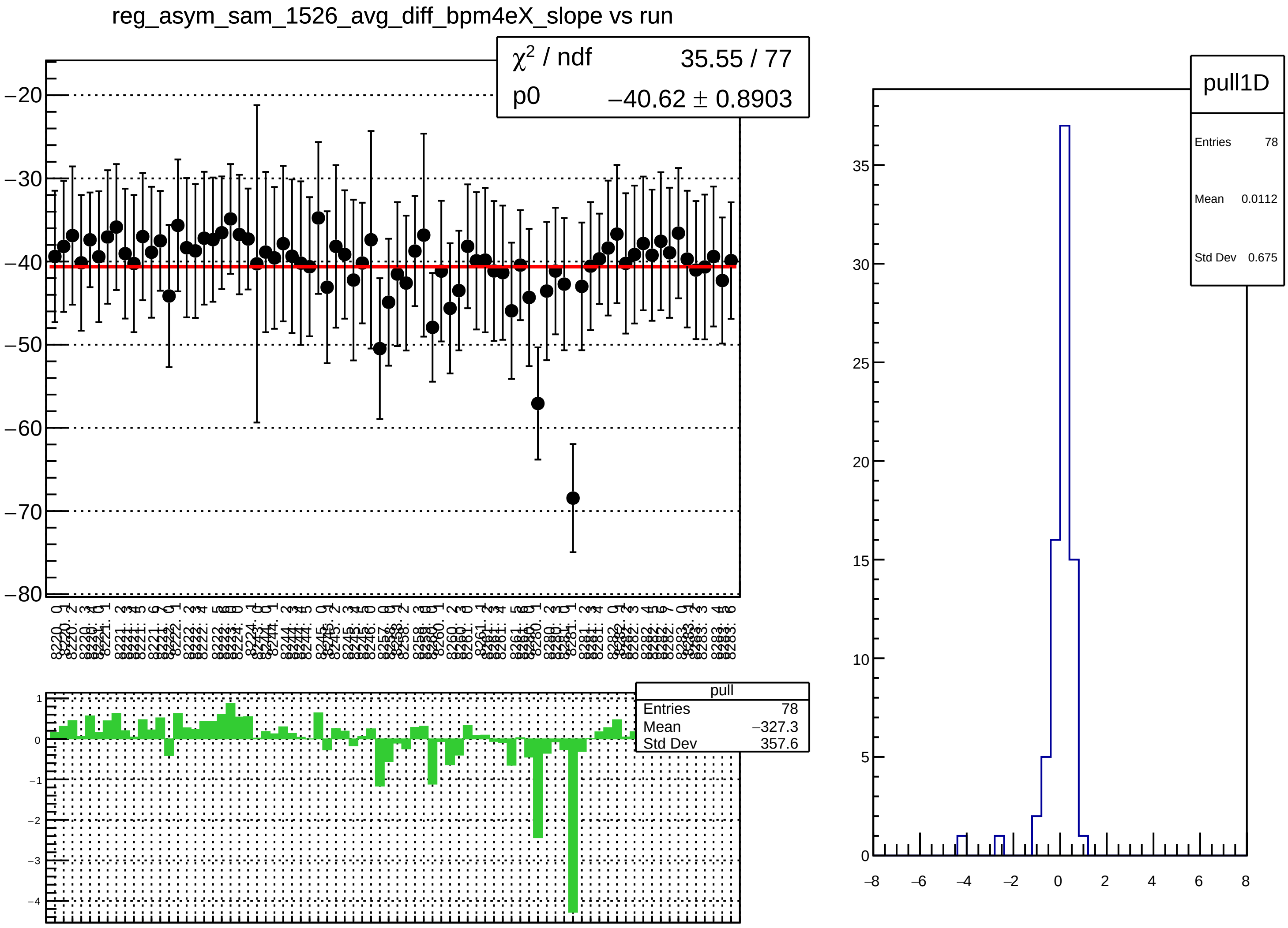
reg_asym_sam_1526_avg_diff_bpm1X_slope vs run

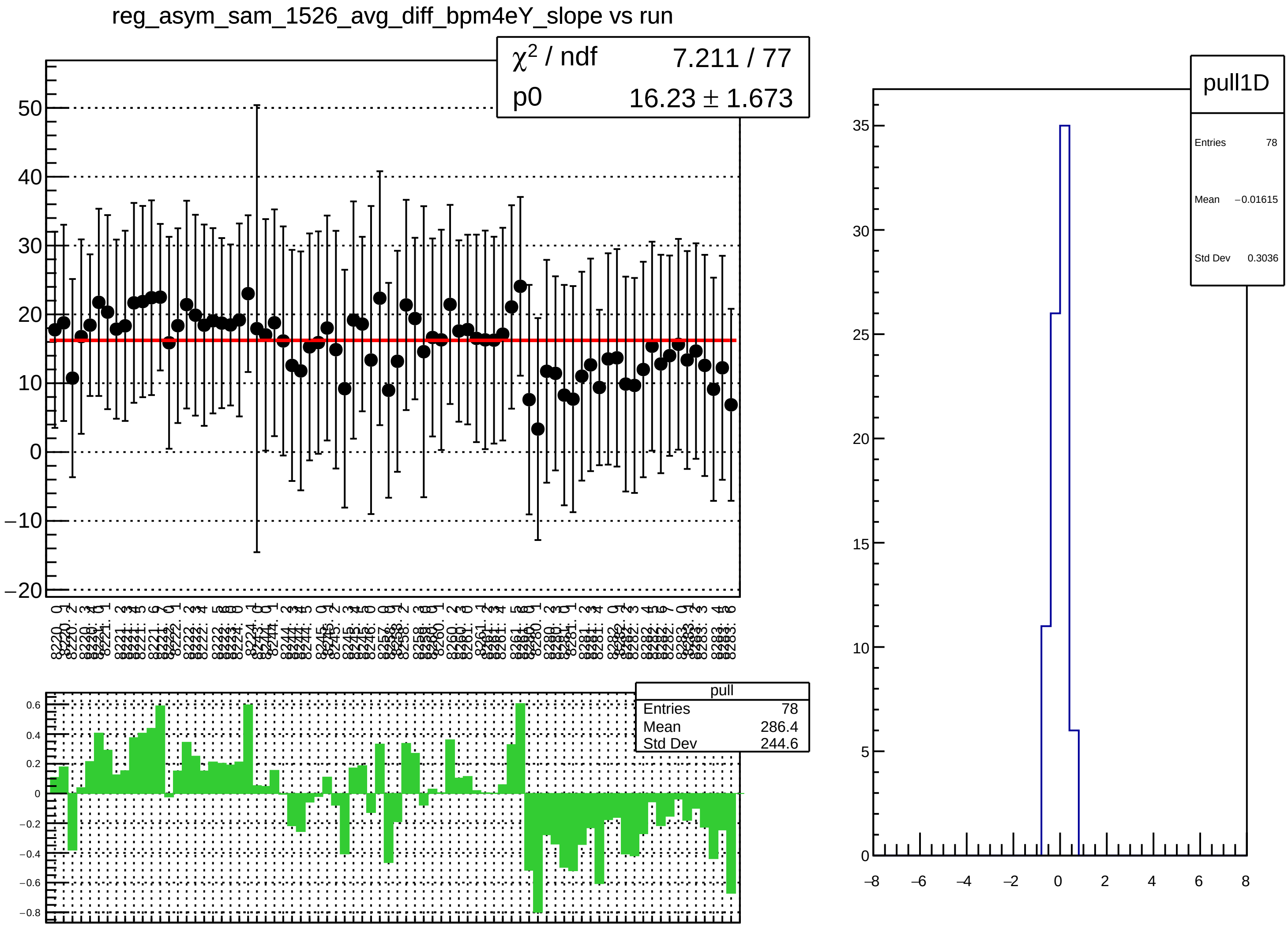




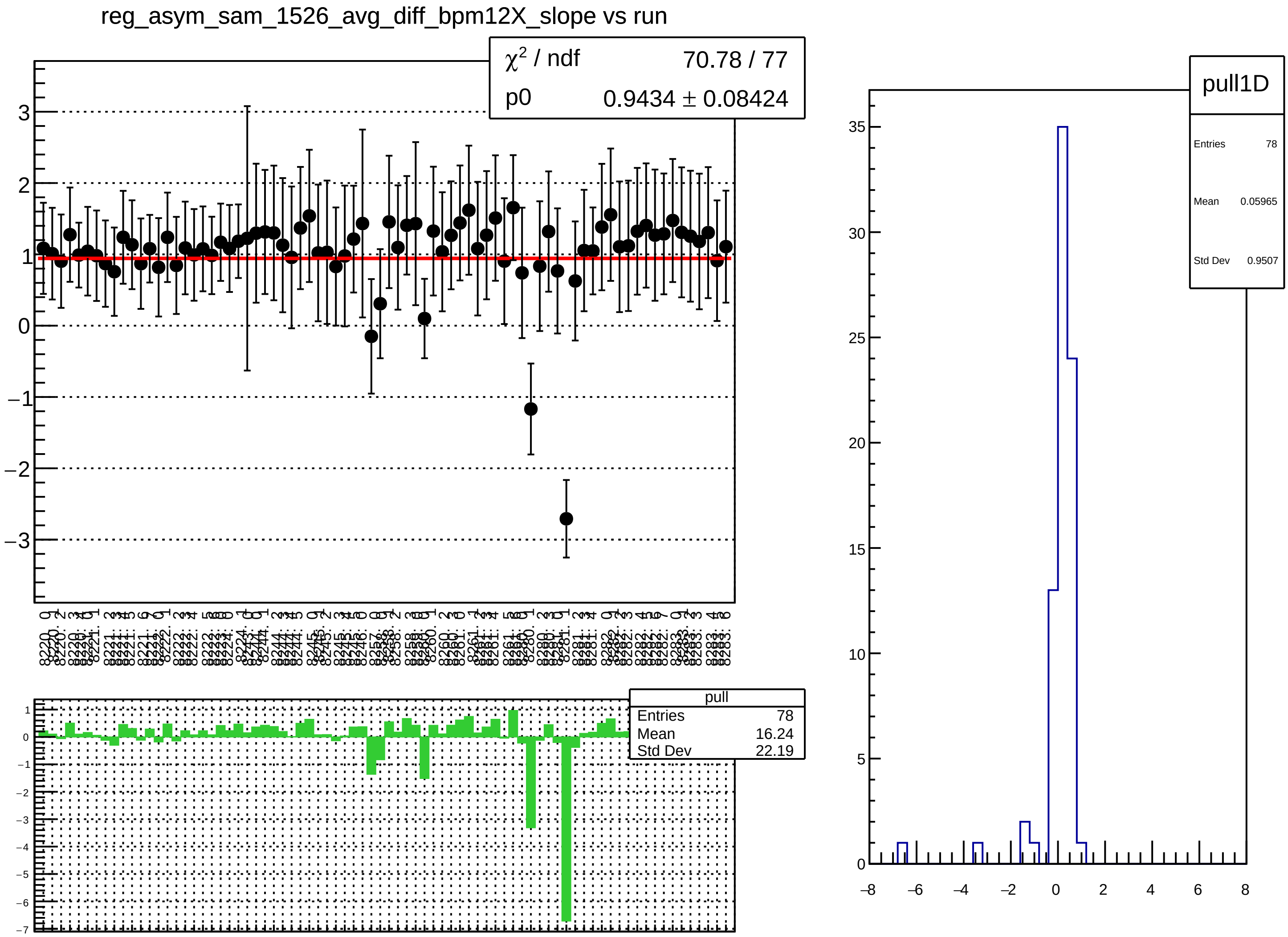


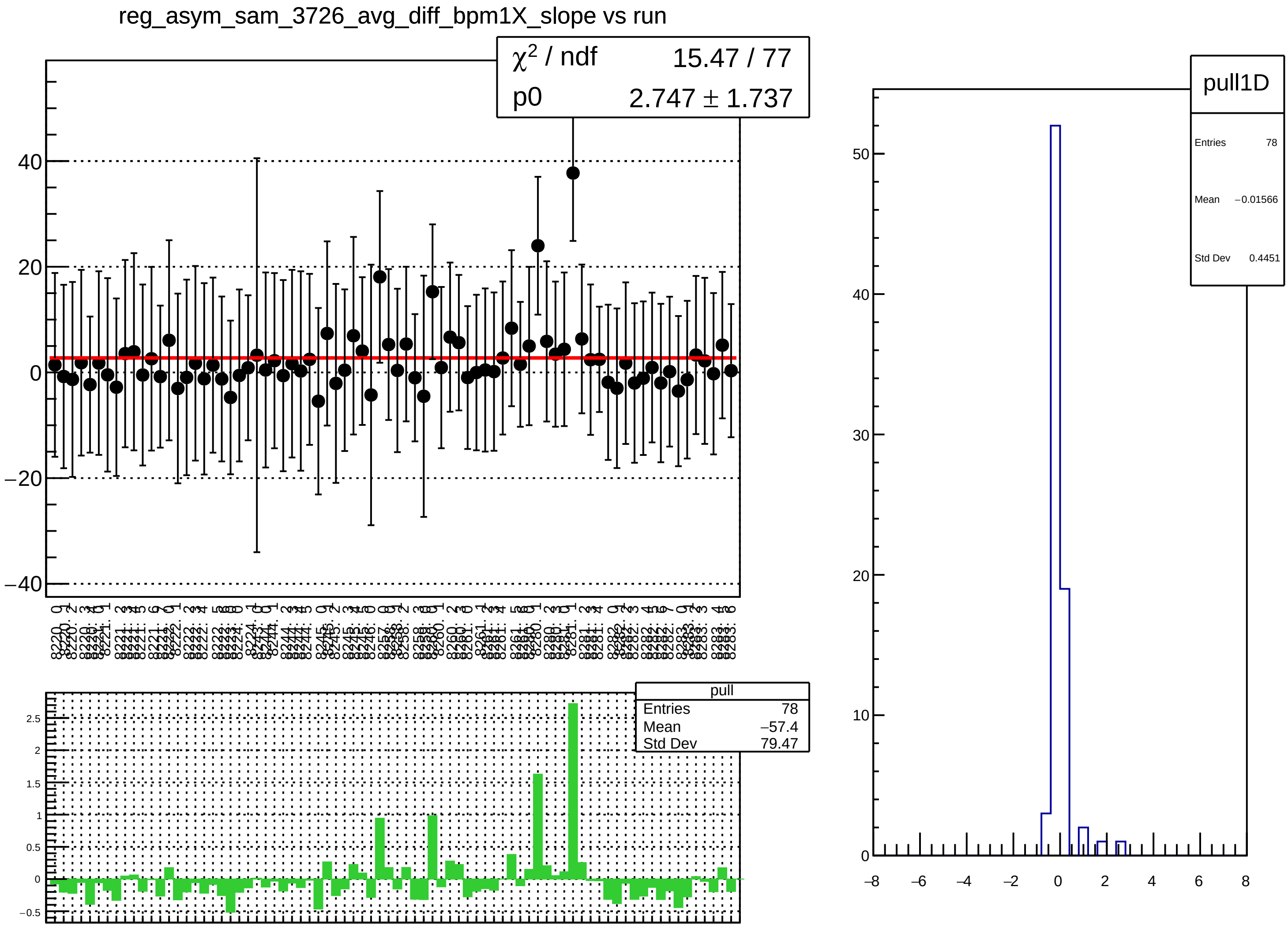
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.108 / 77
p0 −7.092 ± 1.587
pull
Entries 78
Mean 222.4
Std Dev 172.7
pull1D
Entries 78
Mean 0.009964
Std Dev 0.2797


reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ2 / ndf 35.55 / 77
p0 −40.62 ± 0.8903
pull
Entries 78
Mean −327.3
Std Dev 357.6
pull1D
Entries 78
Mean 0.0112
Std Dev 0.675

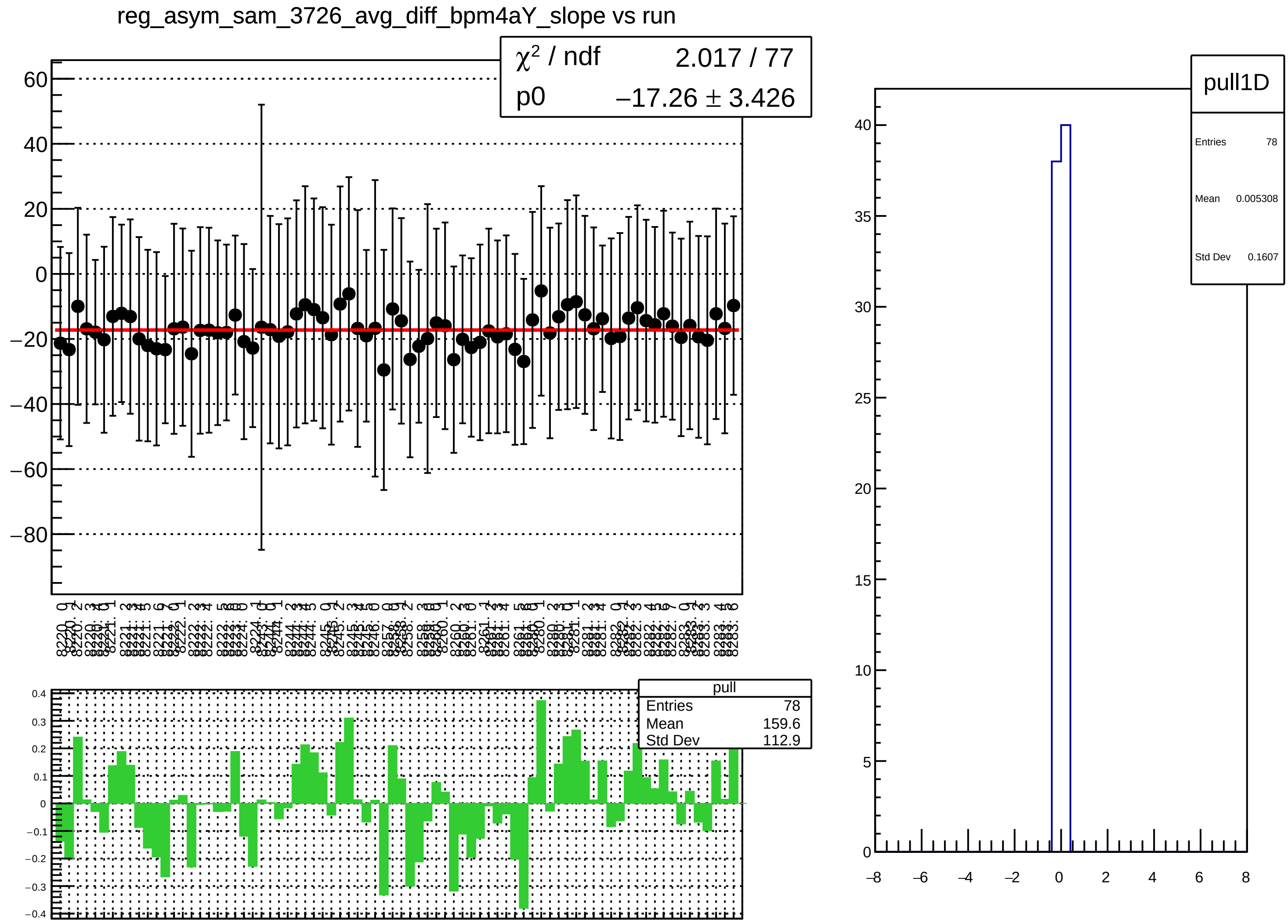


reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.211 / 77
p0 16.23 ± 1.673
pull
Entries 78
Mean 286.4
Std Dev 244.6
pull1D
Entries 78
Mean −0.01615
Std Dev 0.3036

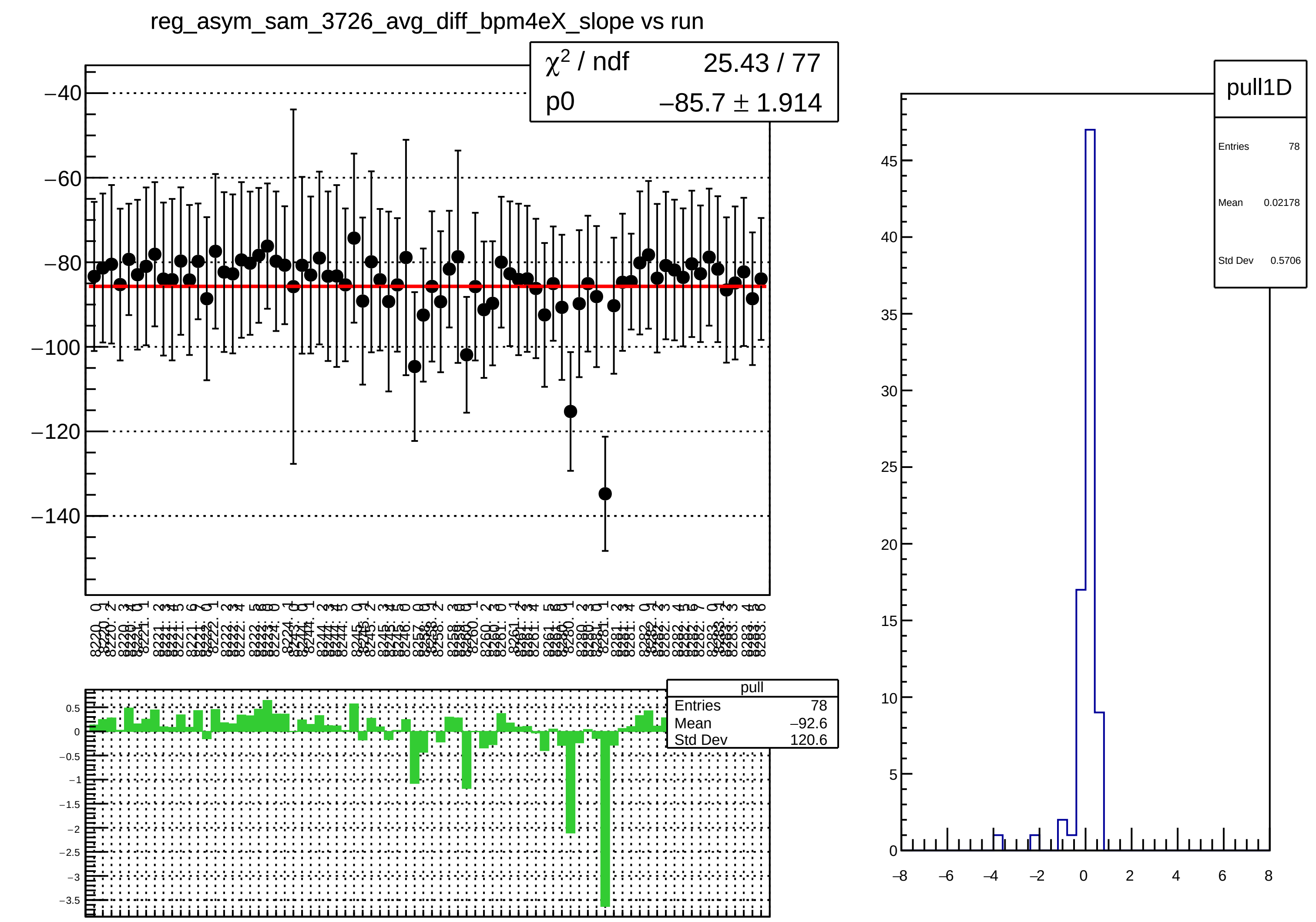

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 70.78 / 77
p0 0.9434 ± 0.08424
pull
Entries 78
Mean 16.24
Std Dev 22.19
pull1D
Entries 78
Mean 0.05965
Std Dev 0.9507

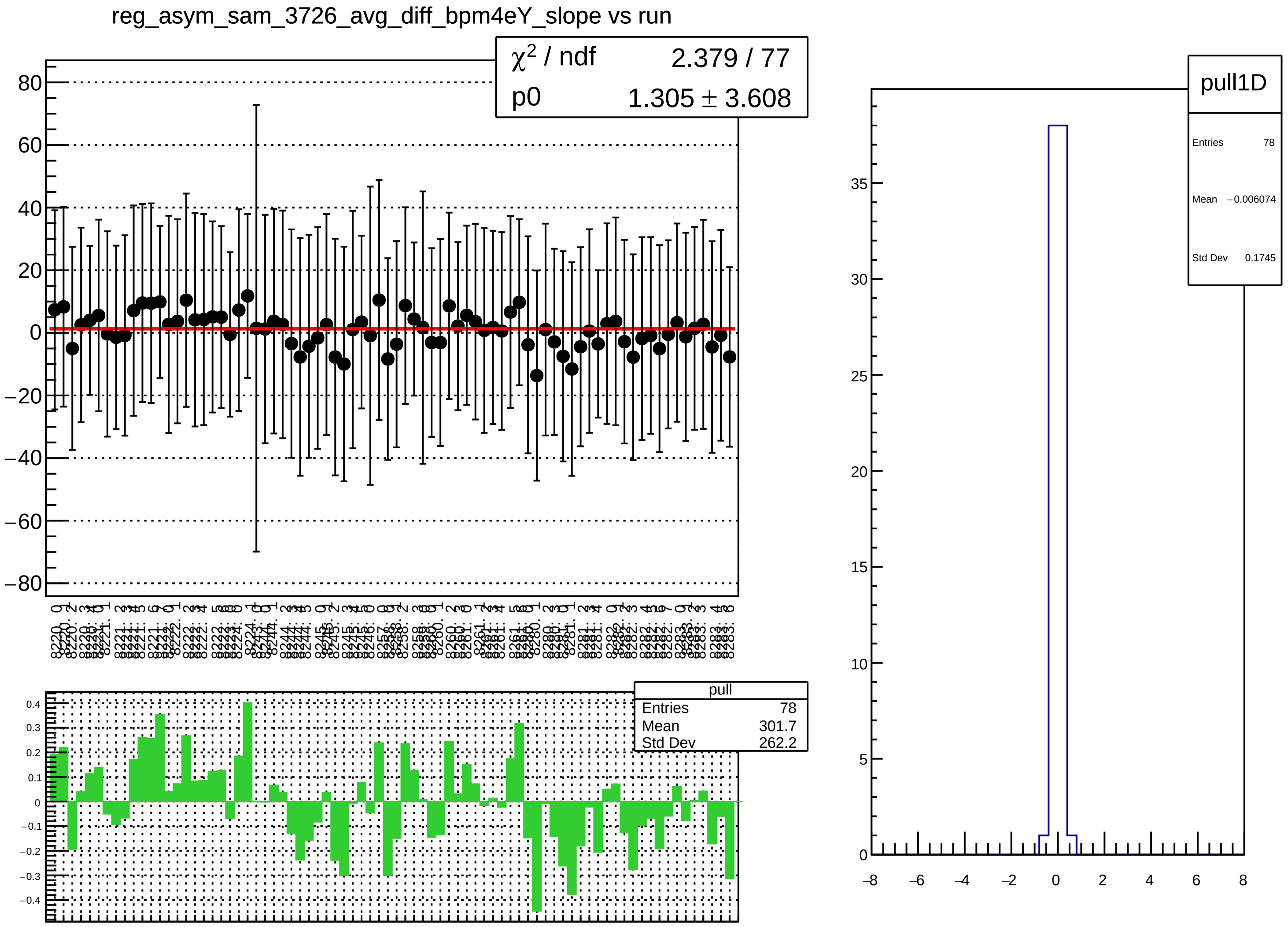


reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 15.47 / 77
p0 2.747 ± 1.737
pull
Entries 78
Mean −57.4
Std Dev 79.47
pull1D
Entries 78
Mean −0.01566
Std Dev 0.4451

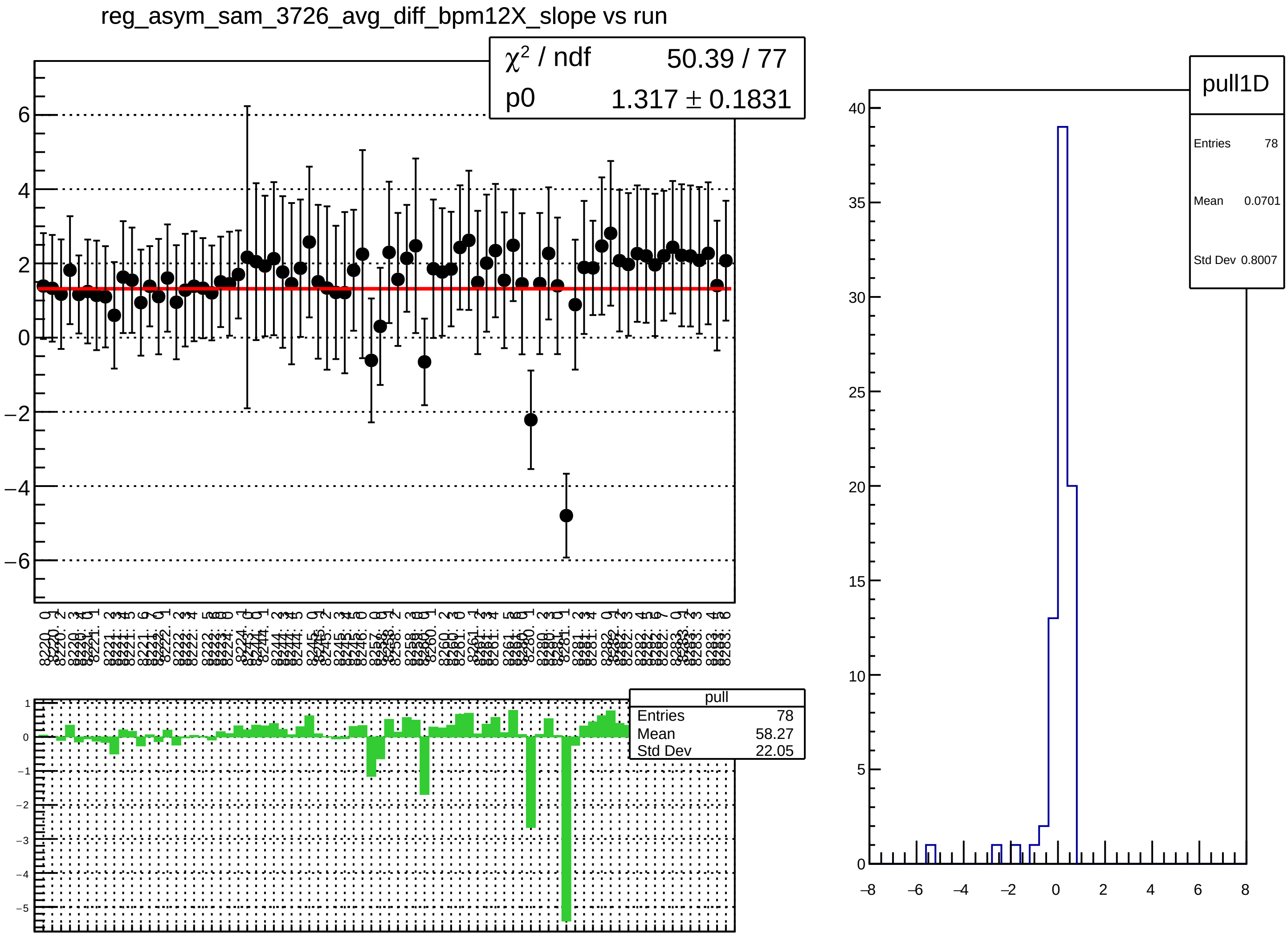


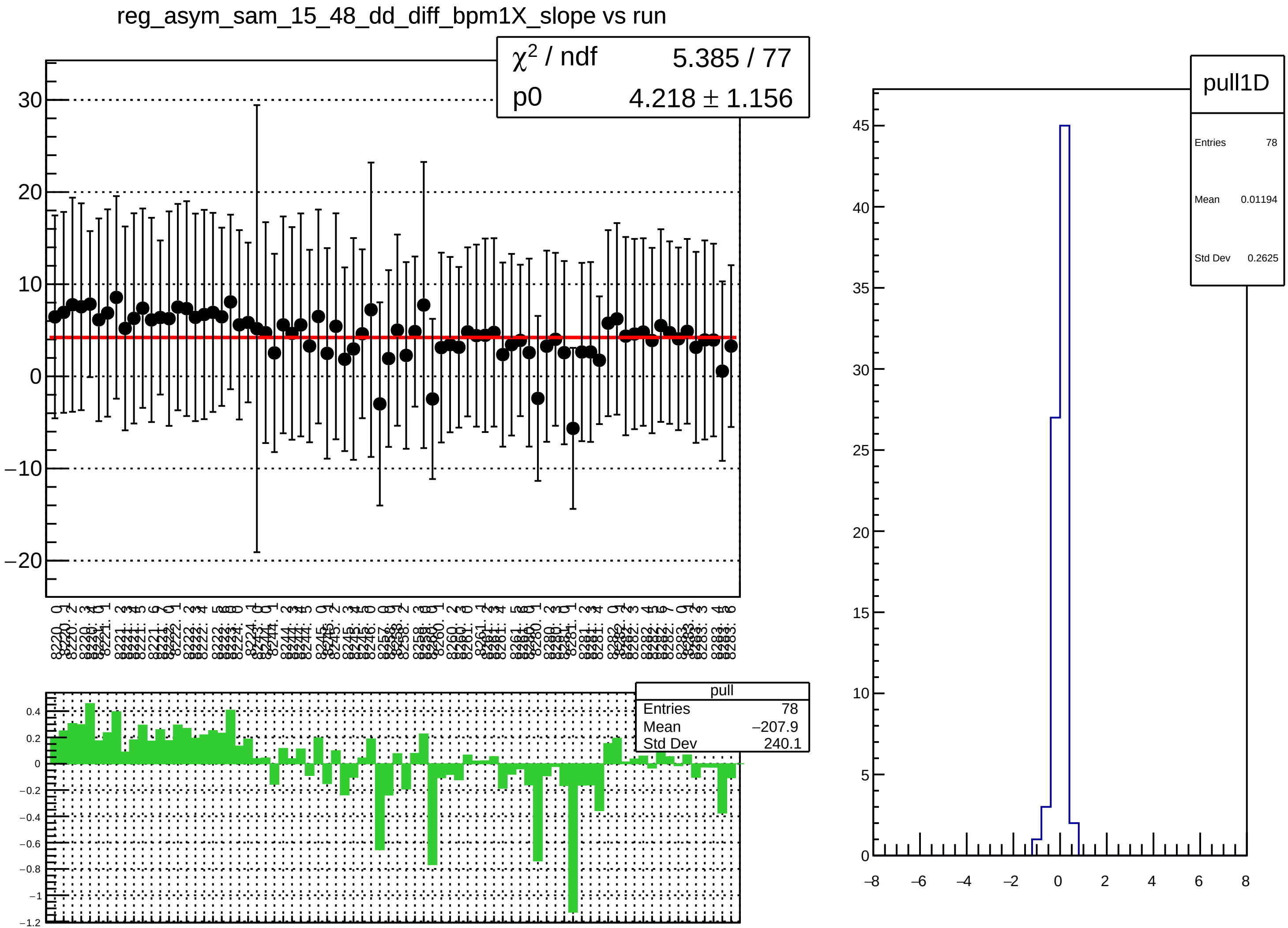
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.017 / 77
p0 −17.26 ± 3.426
pull
Entries 78
Mean 159.6
Std Dev 112.9
pull1D
Entries 78
Mean 0.005308
Std Dev 0.1607


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ2 / ndf 25.43 / 77
p0 −85.7 ± 1.914
pull
Entries 78
Mean −92.6
Std Dev 120.6
pull1D
Entries 78
Mean 0.02178
Std Dev 0.5706

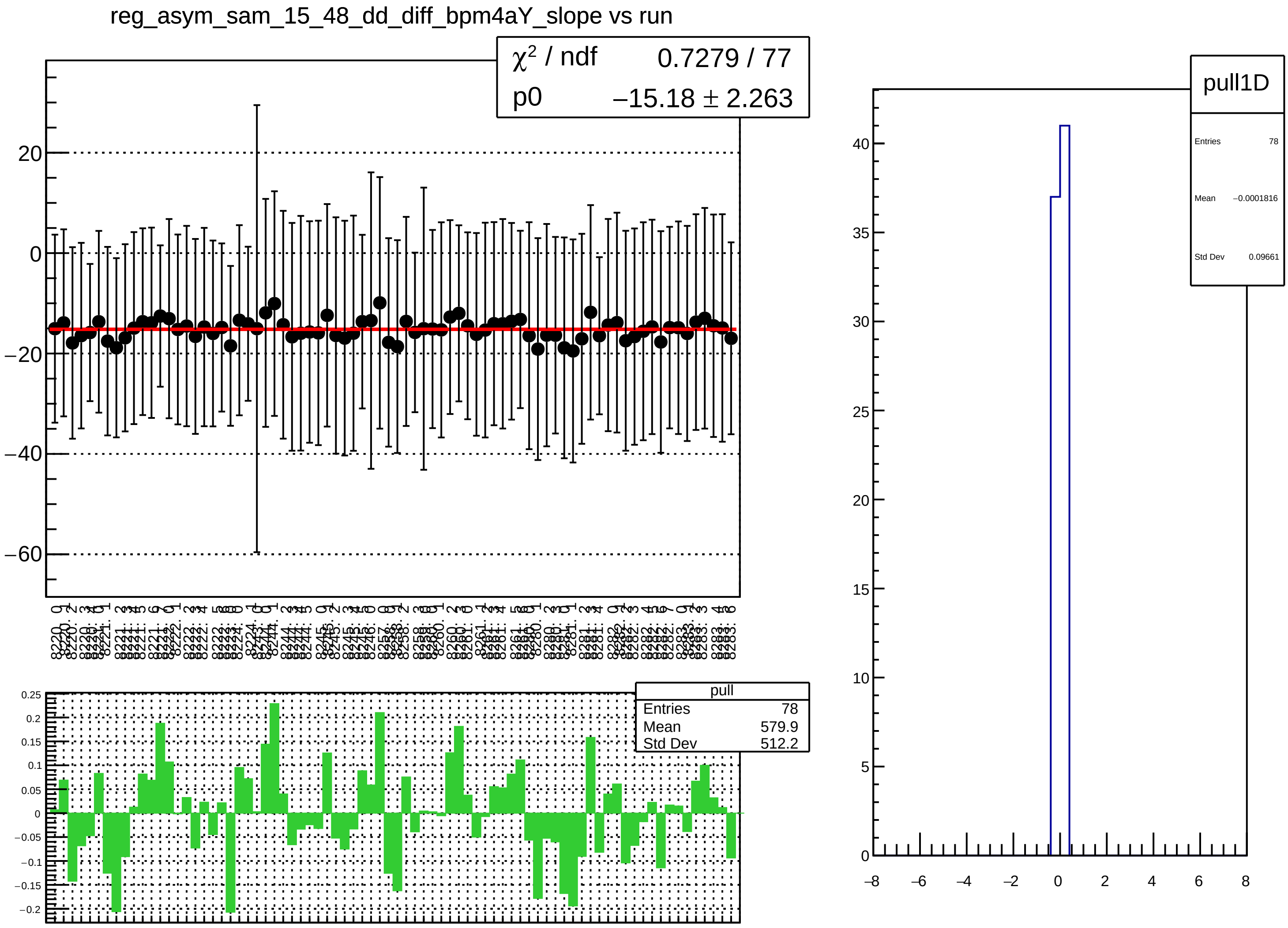


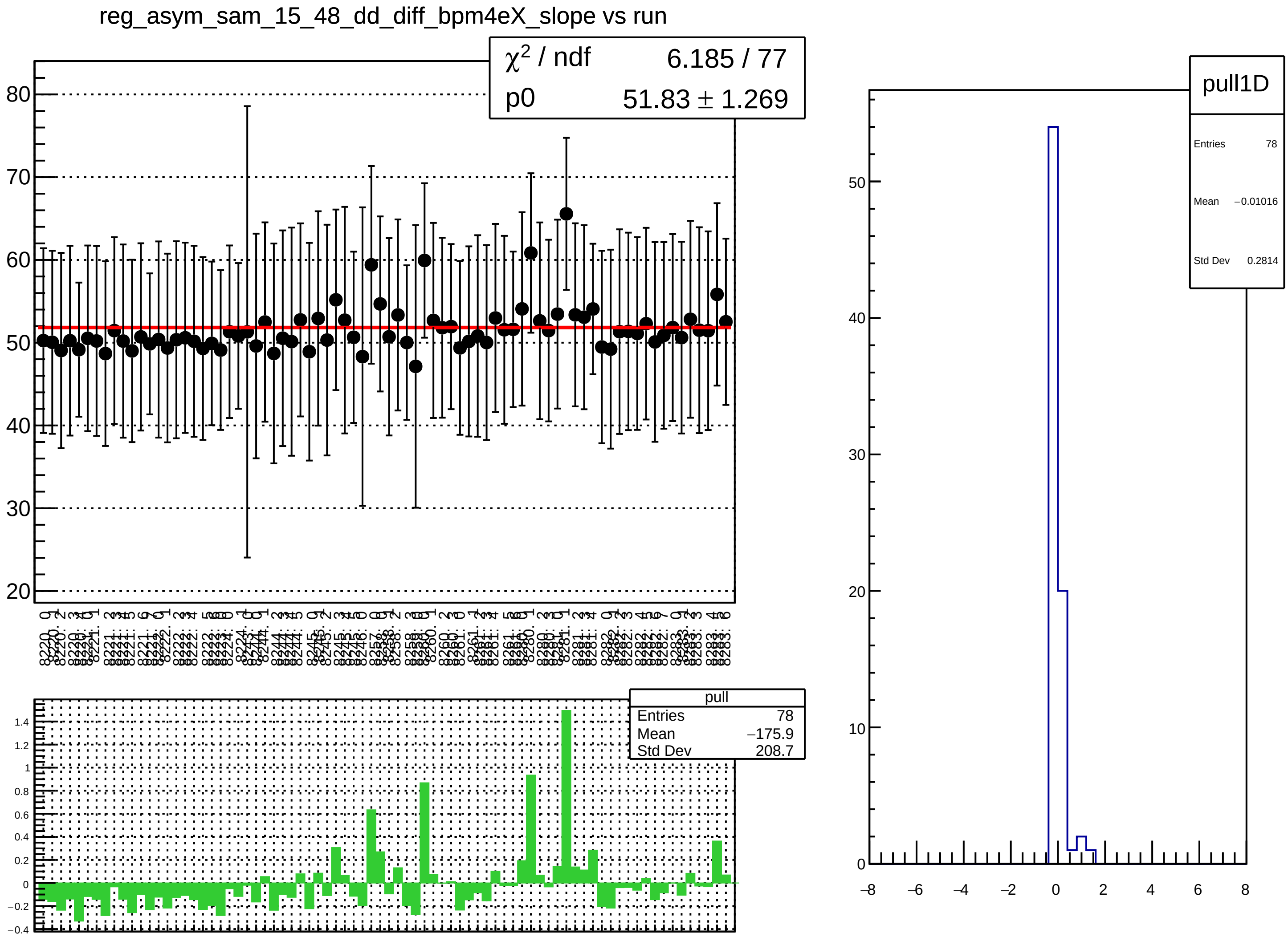
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ2 / ndf 2.379 / 77
p0 1.305 ± 3.608
pull
Entries 78
Mean 301.7
Std Dev 262.2
pull1D
Entries 78
Mean −0.006074
Std Dev 0.1745


reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 50.39 / 77
p0 1.317 ± 0.1831
pull
Entries 78
Mean 58.27
Std Dev 22.05
pull1D
Entries 78
Mean 0.0701
Std Dev 0.8007



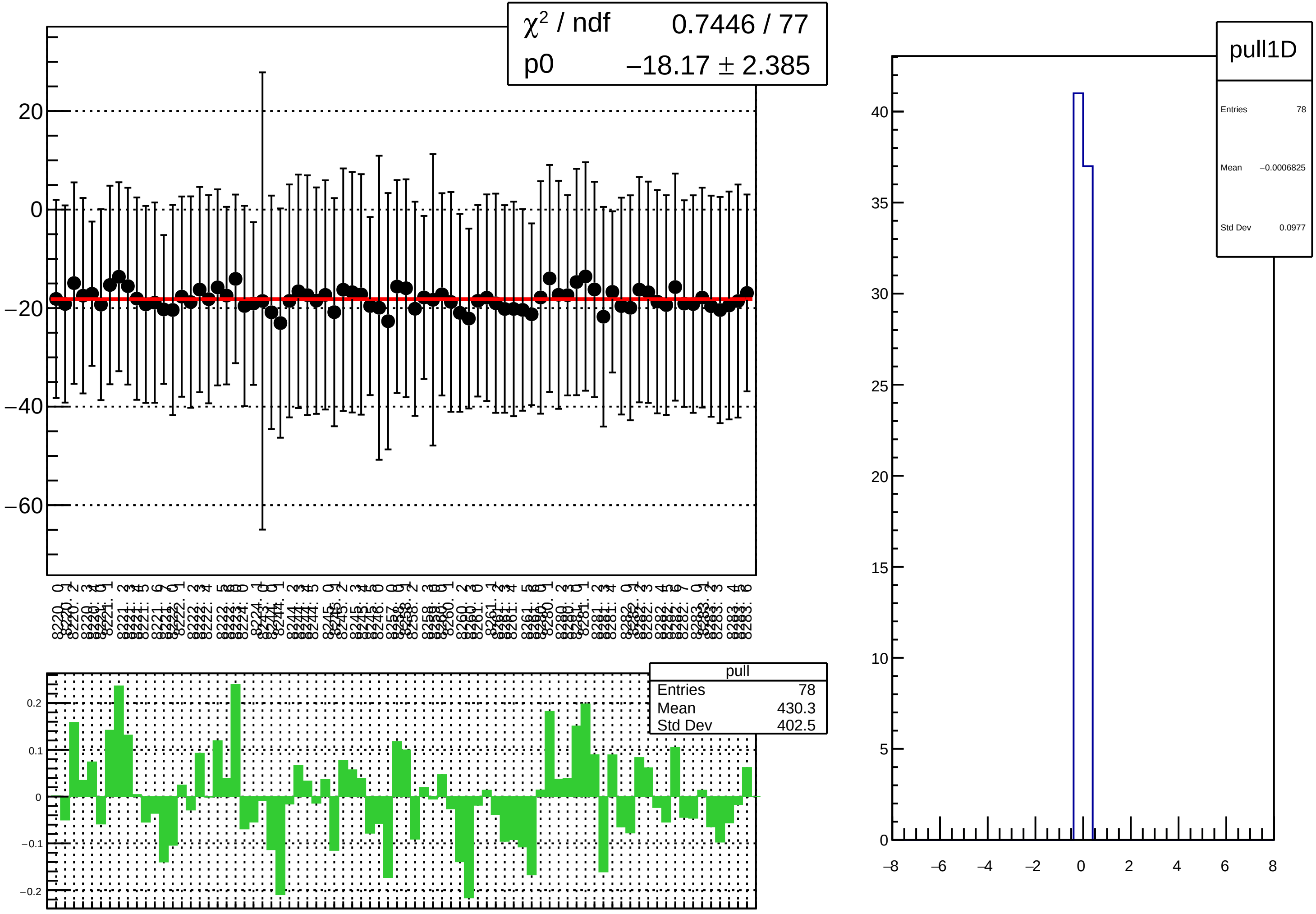
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 5.385 / 77
p0 4.218 ± 1.156
pull
Entries 78
Mean −207.9
Std Dev 240.1
pull1D
Entries 78
Mean 0.01194
Std Dev 0.2625

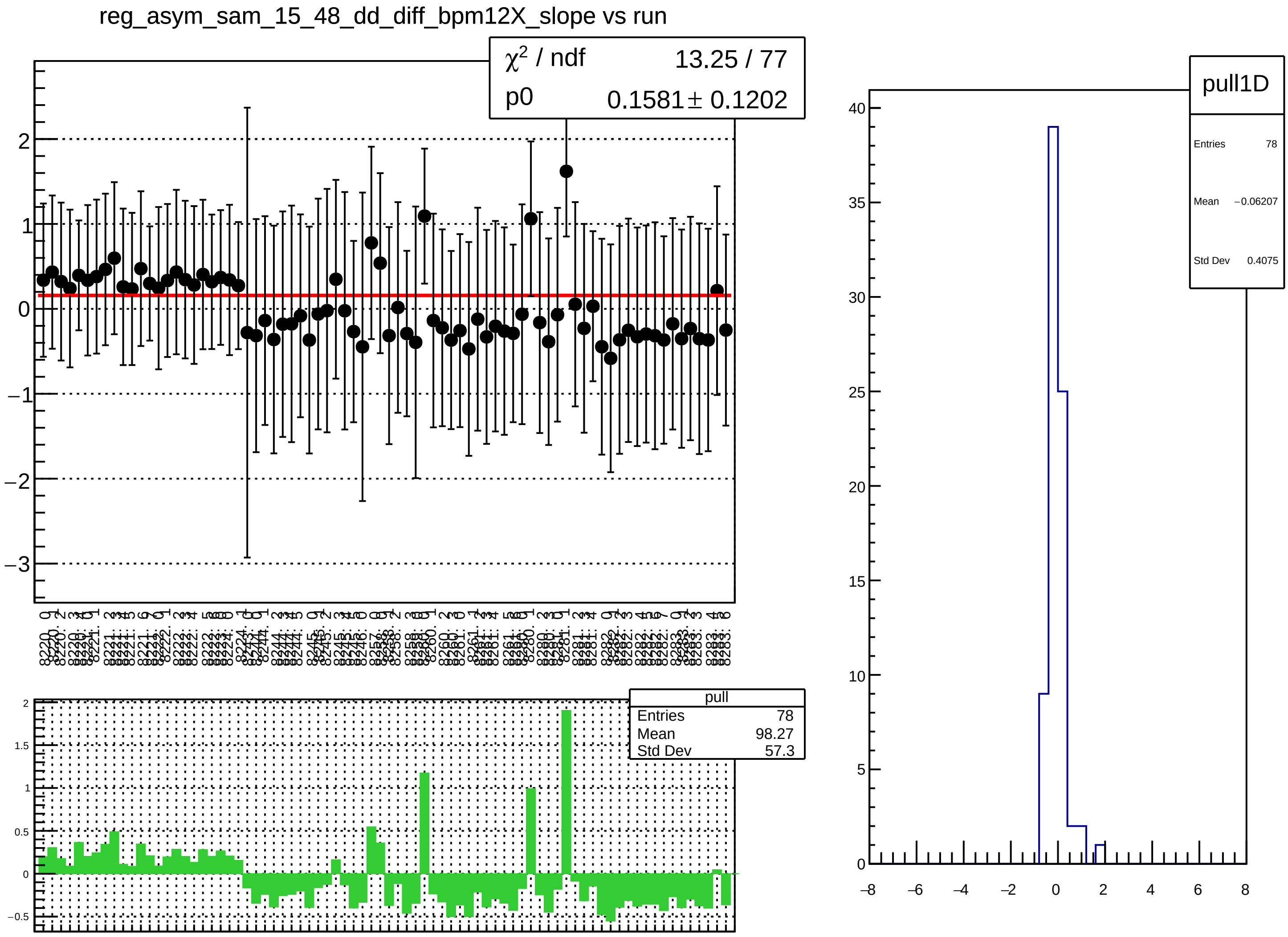

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 0.7279 / 77
p0 −15.18 ± 2.263
pull
Entries 78
Mean 579.9
Std Dev 512.2
pull1D
Entries 78
Mean −0.0001816
Std Dev 0.09661



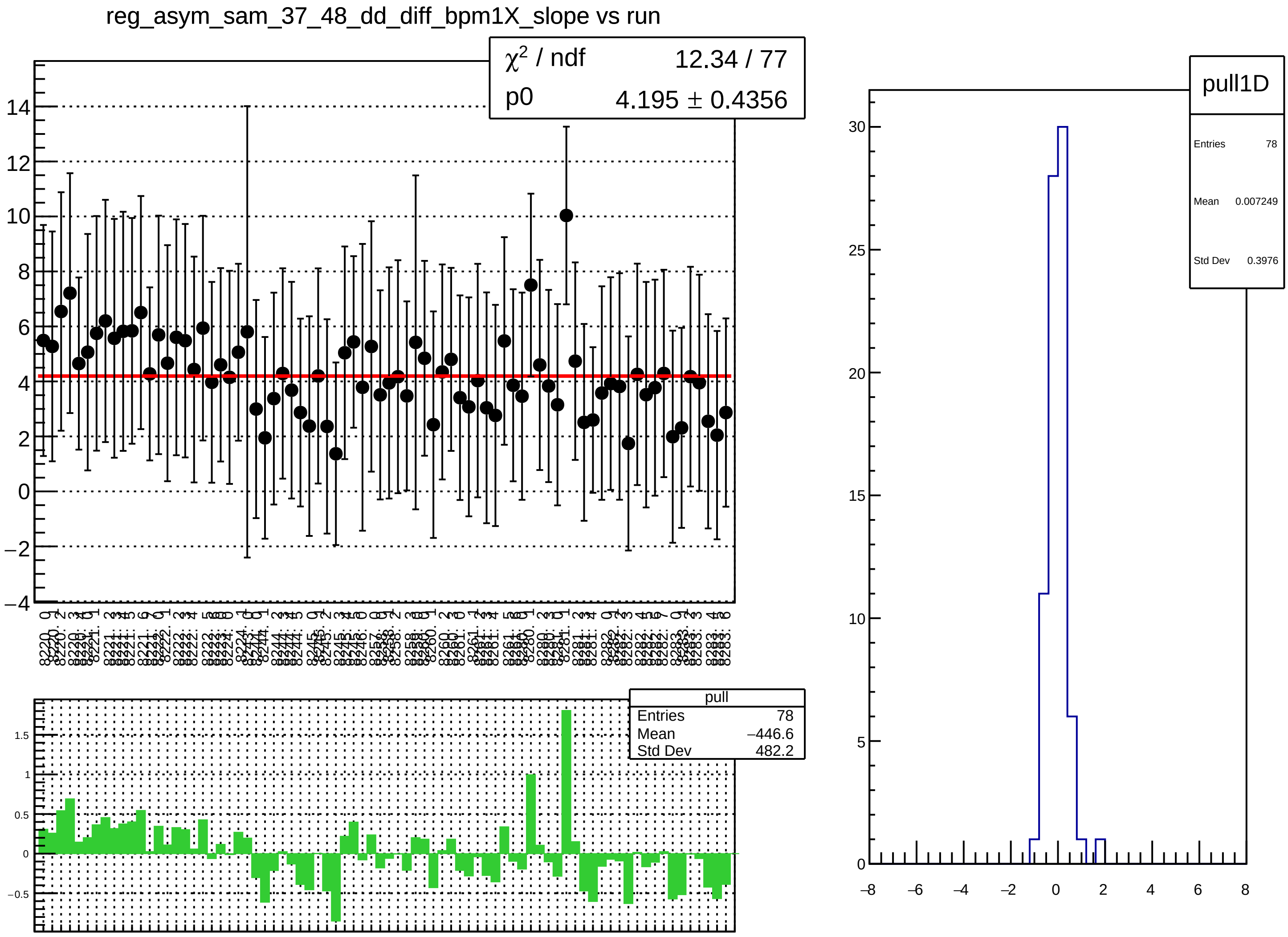
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 6.185 / 77
p0 51.83 ± 1.269
pull
Entries 78
Mean −175.9
Std Dev 208.7
pull1D
Entries 78
Mean −0.01016
Std Dev 0.2814

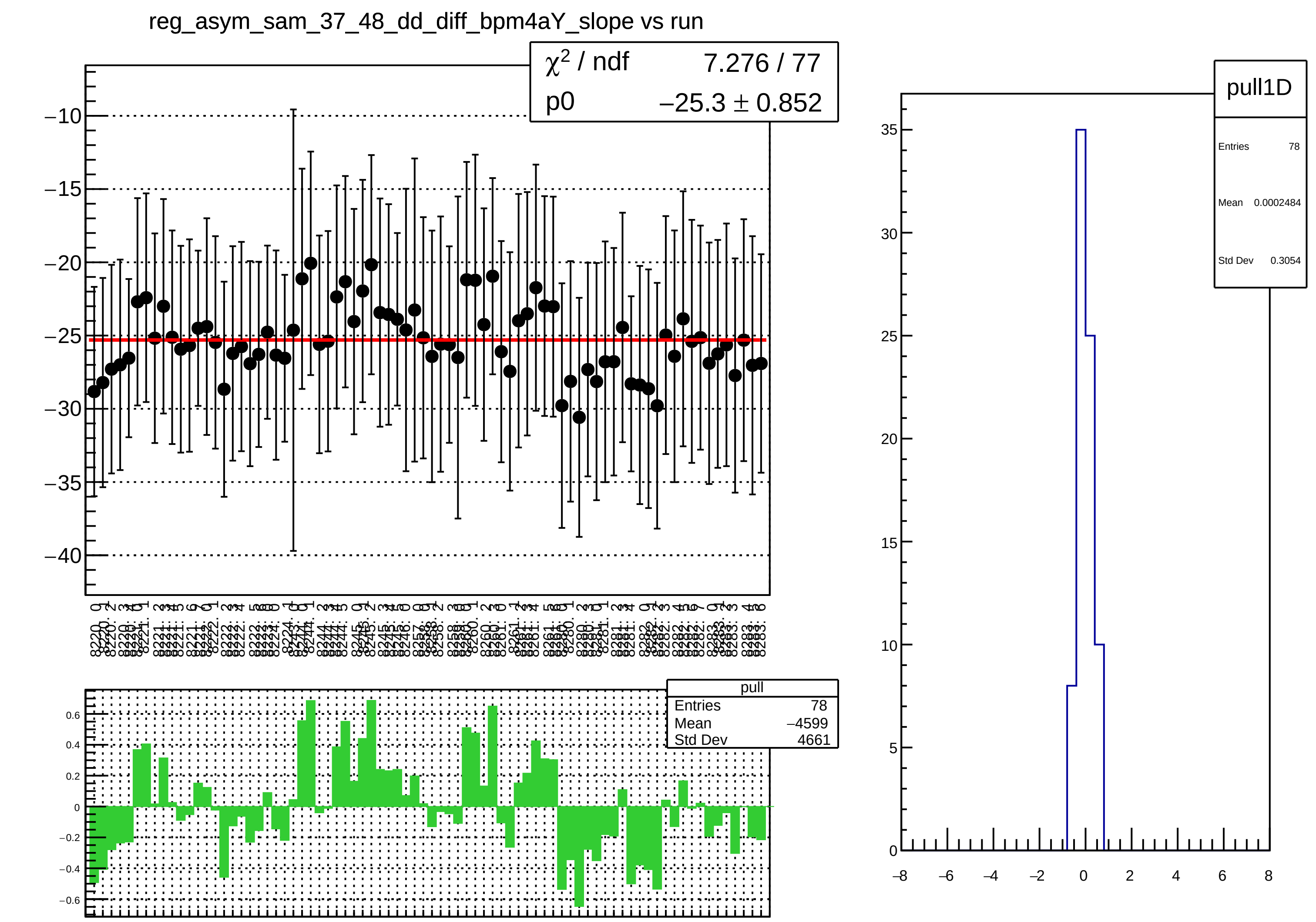
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run



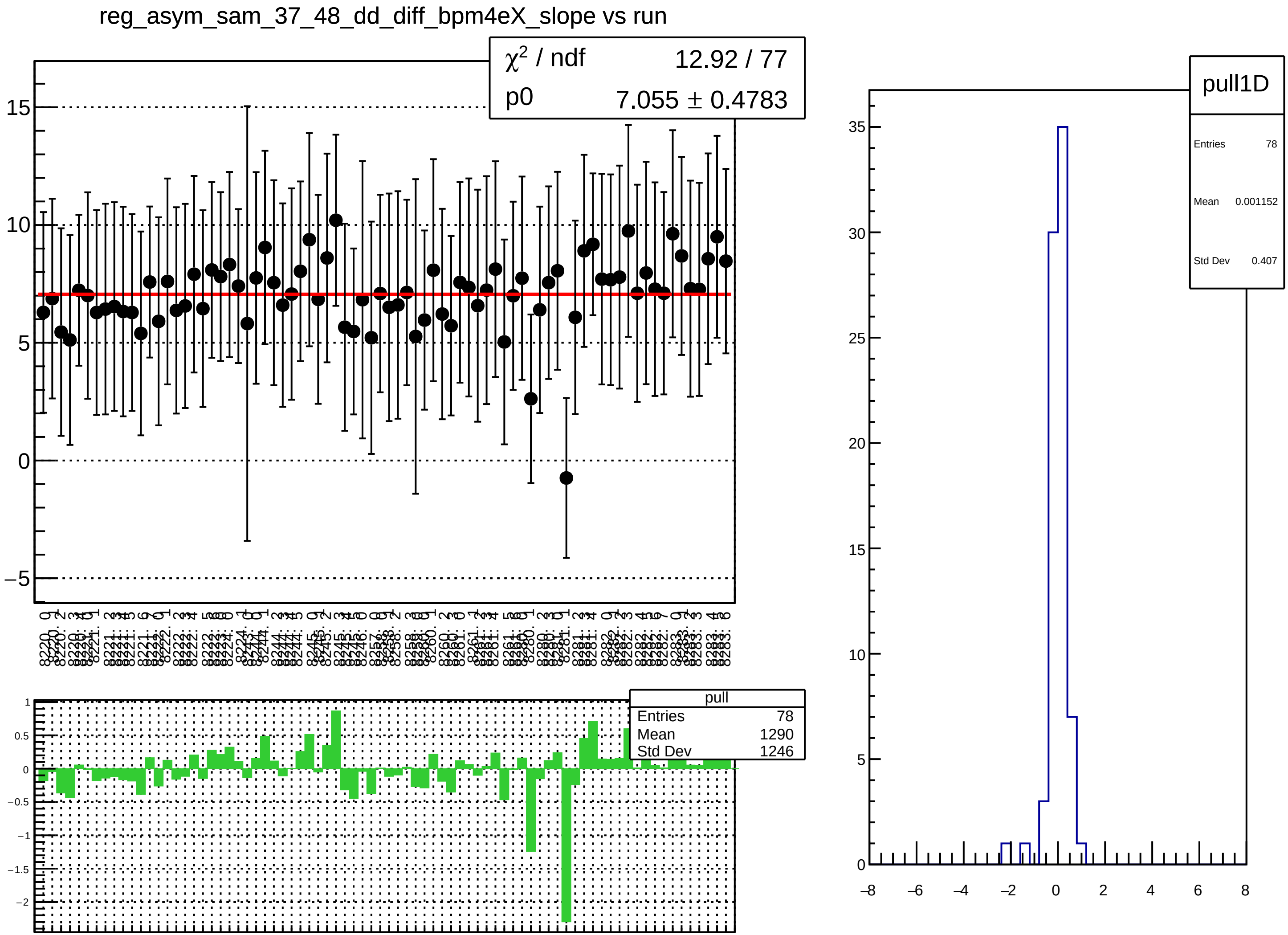


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.25 / 77
p0 0.1581 ± 0.1202
pull
Entries 78
Mean 98.27
Std Dev 57.3
pull1D
Entries 78
Mean −0.06207
Std Dev 0.4075

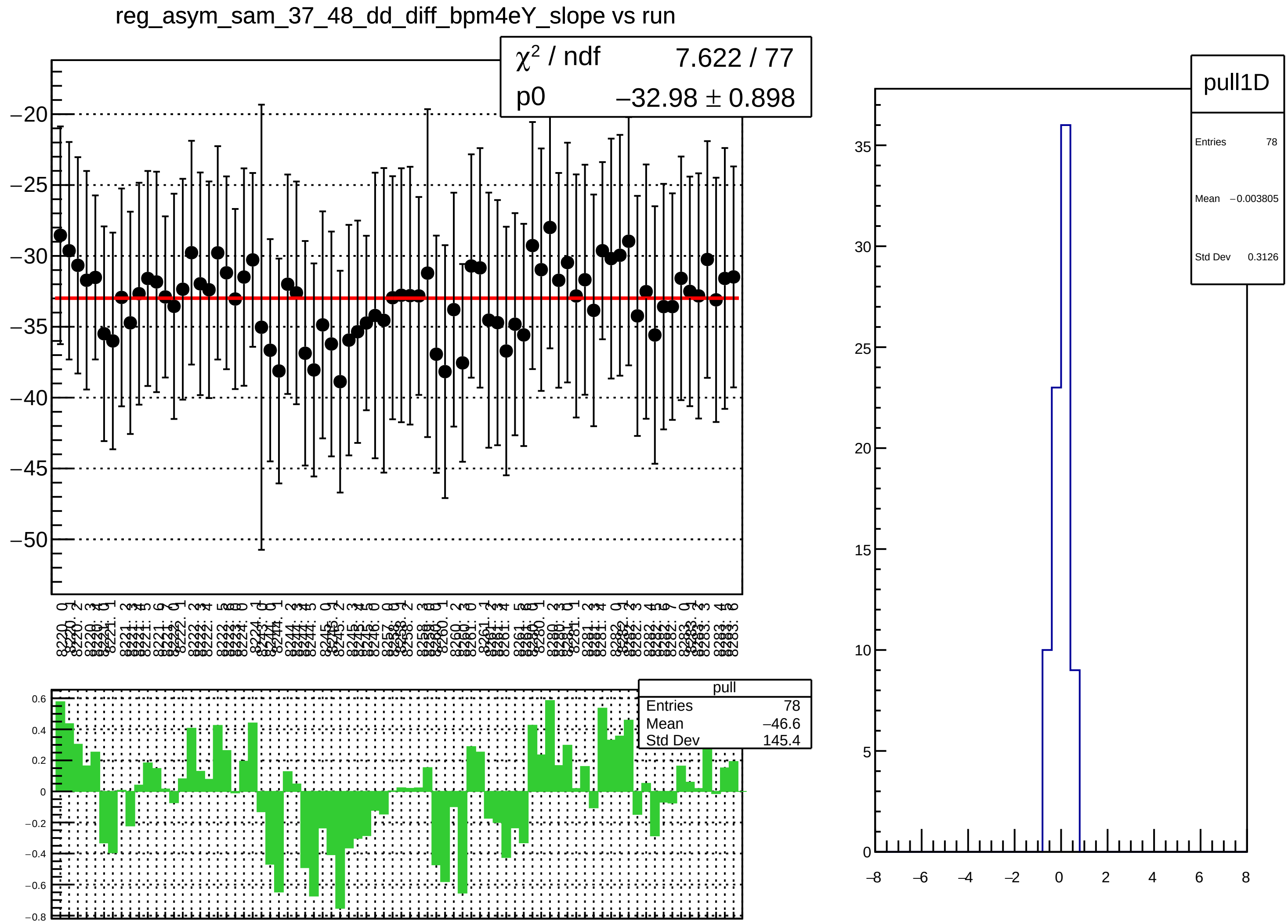

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 12.34 / 77
p0 4.195 ± 0.4356
pull
Entries 78
Mean −446.6
Std Dev 482.2
pull1D
Entries 78
Mean 0.007249
Std Dev 0.3976



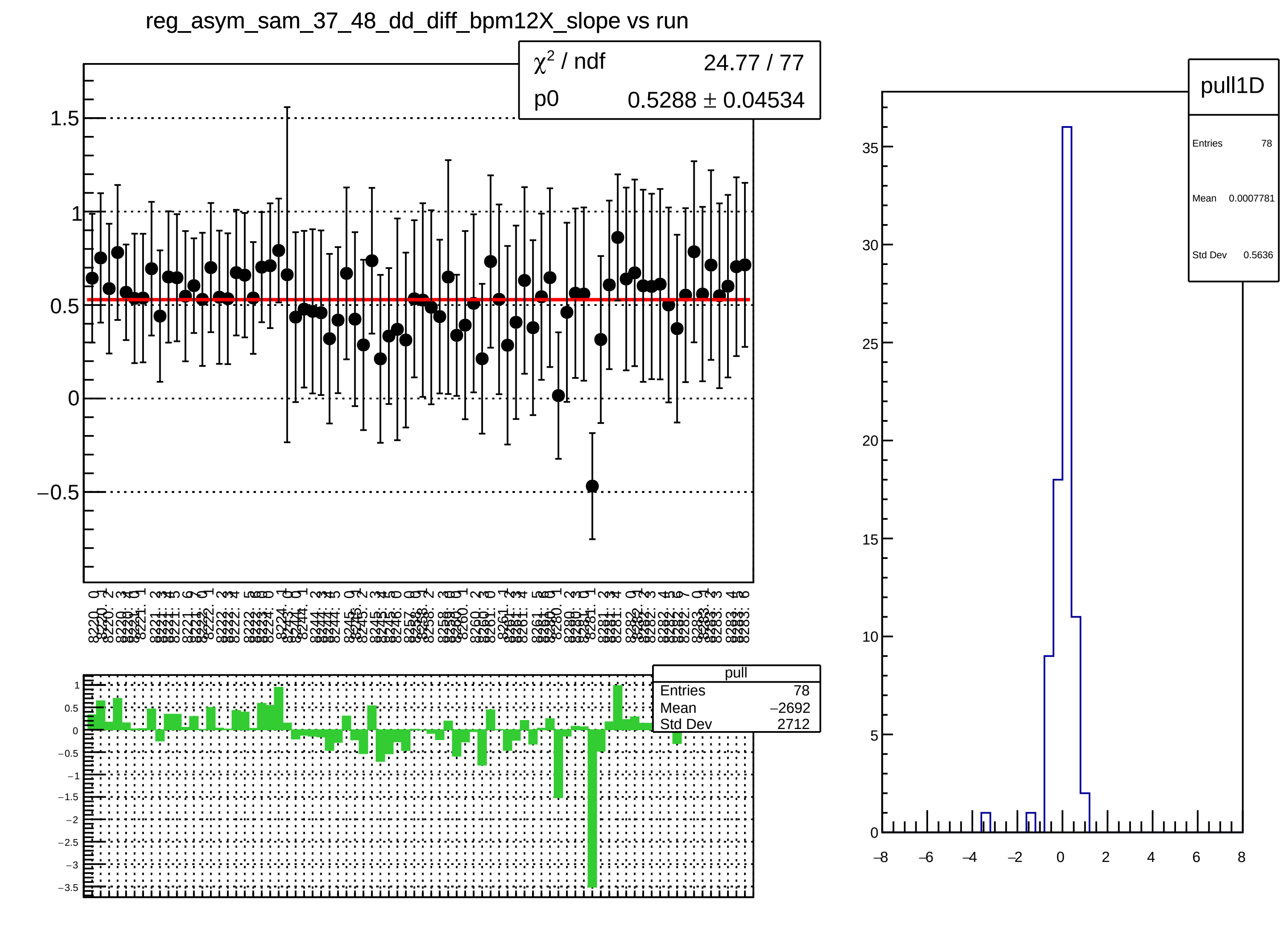
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.276 / 77
p0 −25.3 ± 0.852
pull
Entries 78
Mean −4599
Std Dev 4661
pull1D
Entries 78
Mean 0.0002484
Std Dev 0.3054



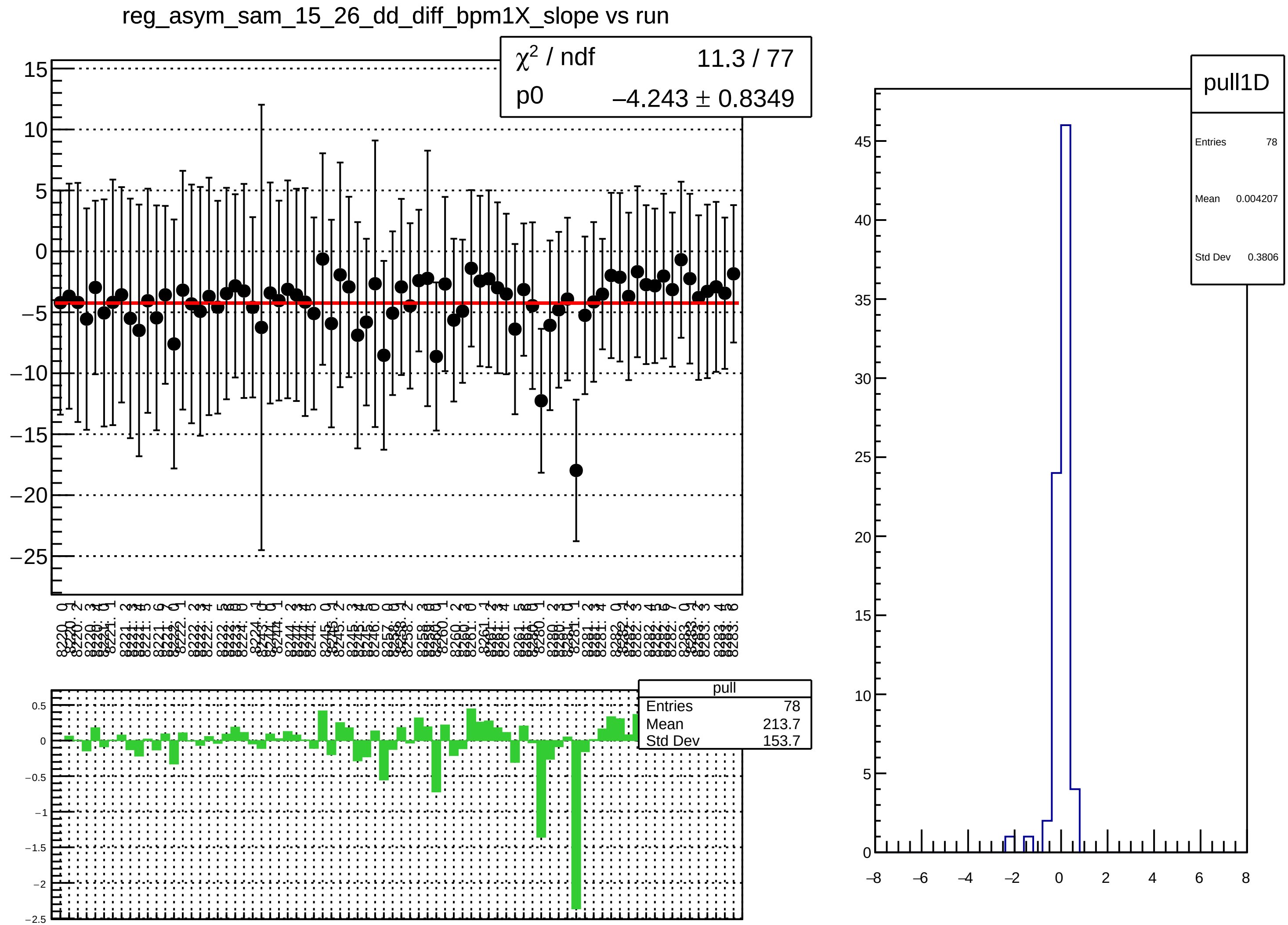
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.92 / 77
p0 7.055 ± 0.4783
pull
Entries 78
Mean 1290
Std Dev 1246
pull1D
Entries 78
Mean 0.001152
Std Dev 0.407

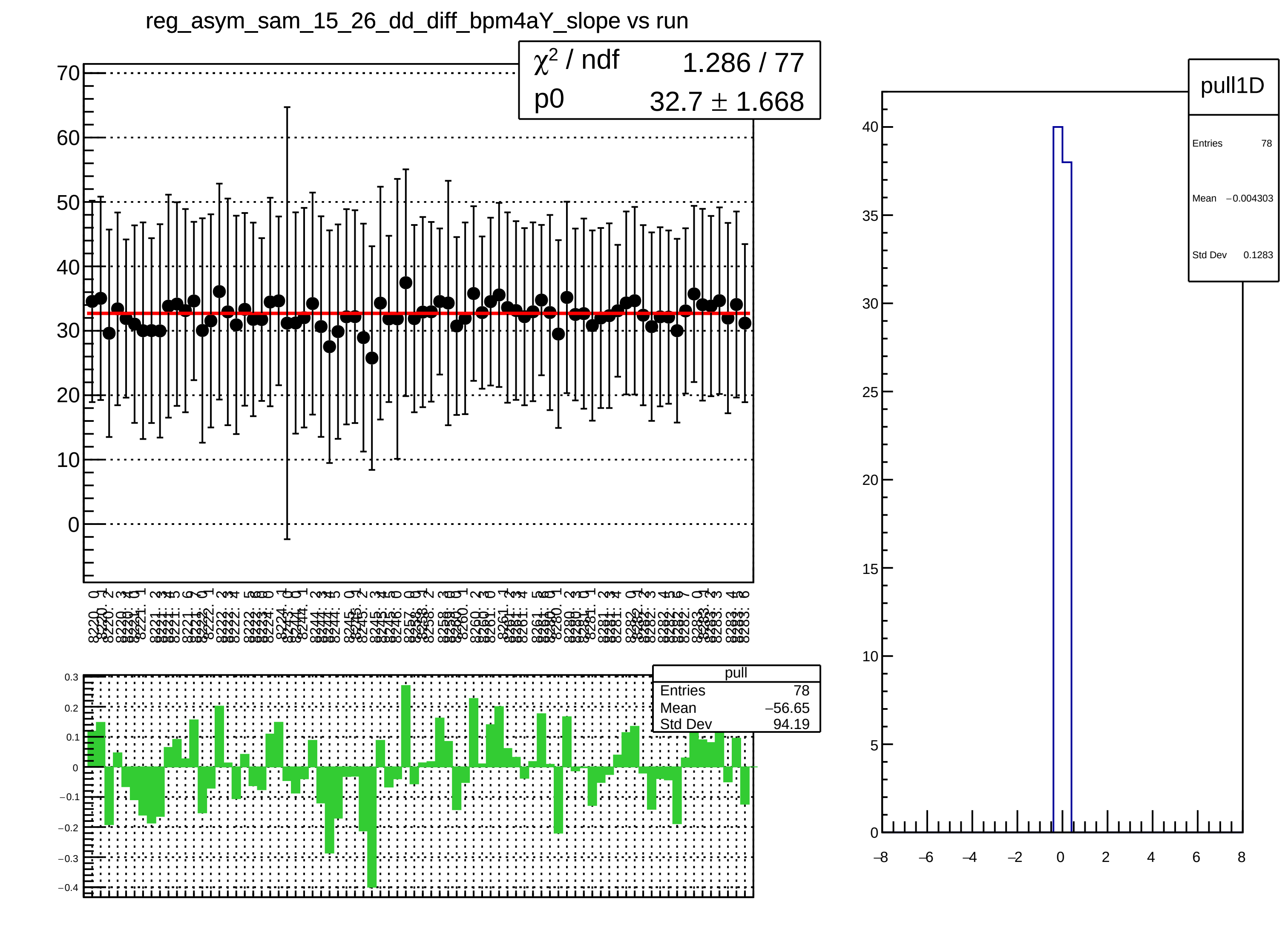


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.622 / 77
p0 −32.98 ± 0.898
pull
Entries 78
Mean −46.6
Std Dev 145.4
pull1D
Entries 78
Mean −0.003805
Std Dev 0.3126

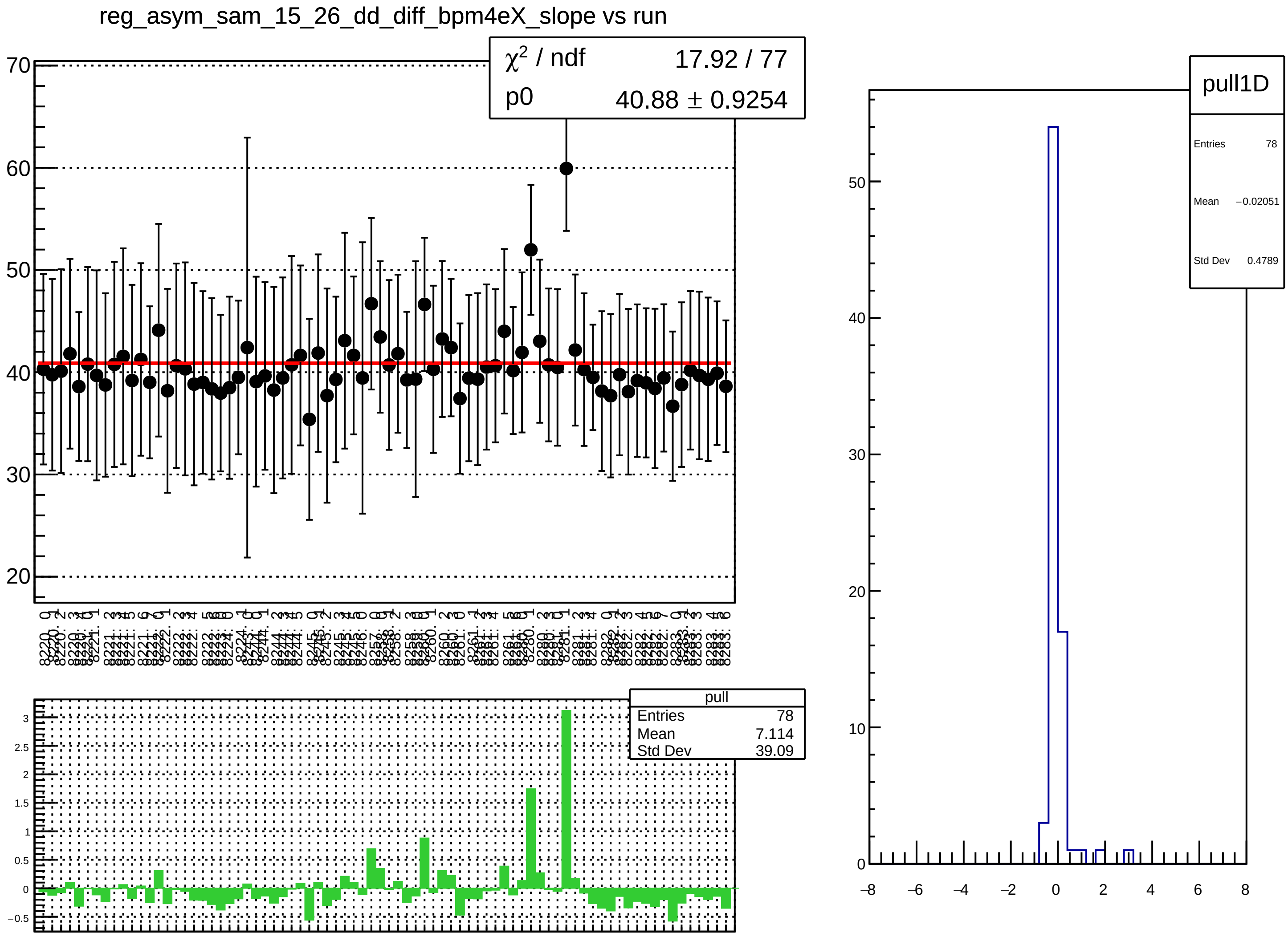


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ2 / ndf 24.77 / 77
p0 0.5288 ± 0.04534
pull
Entries 78
Mean −2692
Std Dev 2712
pull1D
Entries 78
Mean 0.0007781
Std Dev 0.5636

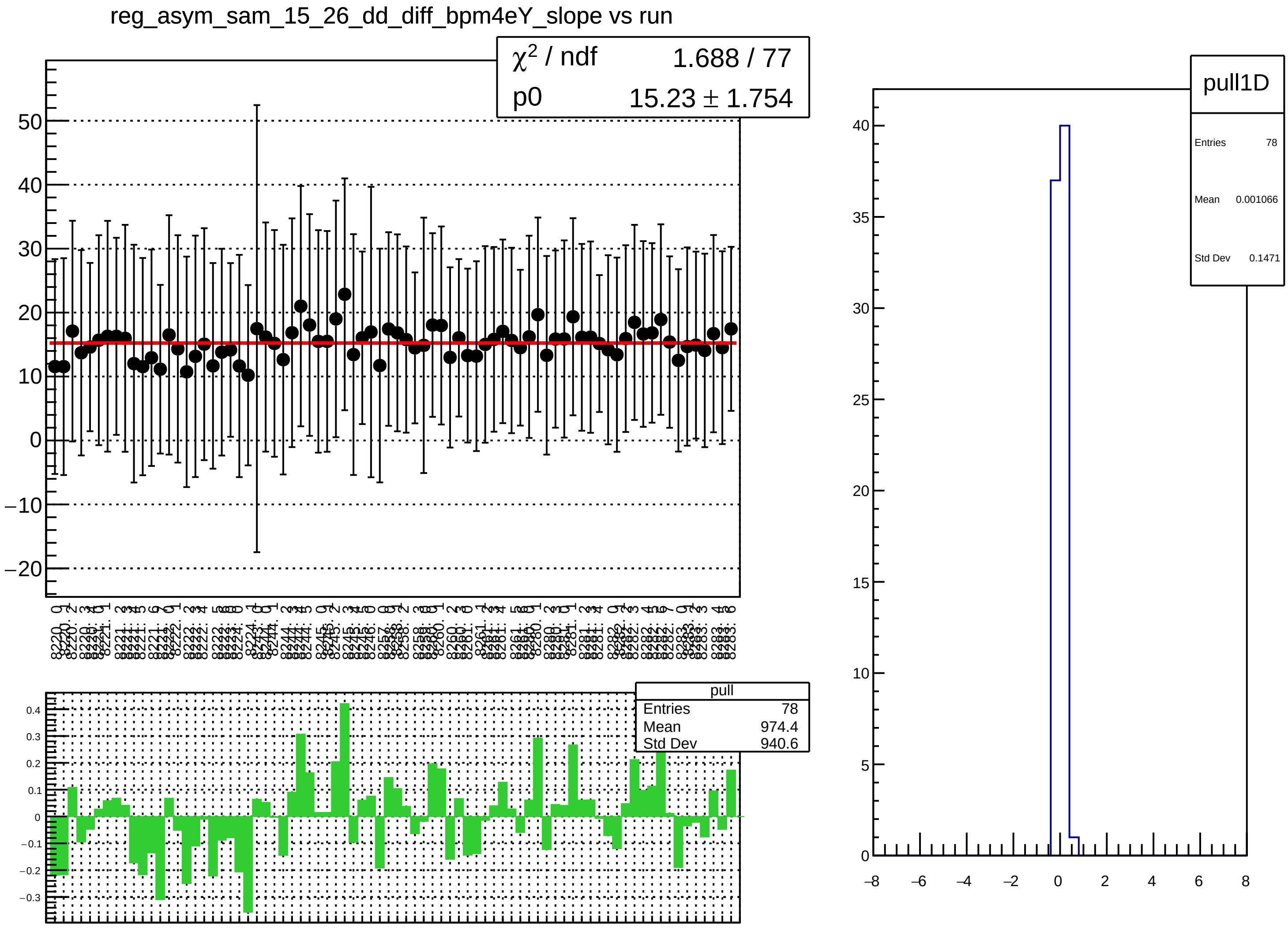

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 11.3 / 77
p0 −4.243 ± 0.8349
pull
Entries 78
Mean 213.7
Std Dev 153.7
pull1D
Entries 78
Mean 0.004207
Std Dev 0.3806

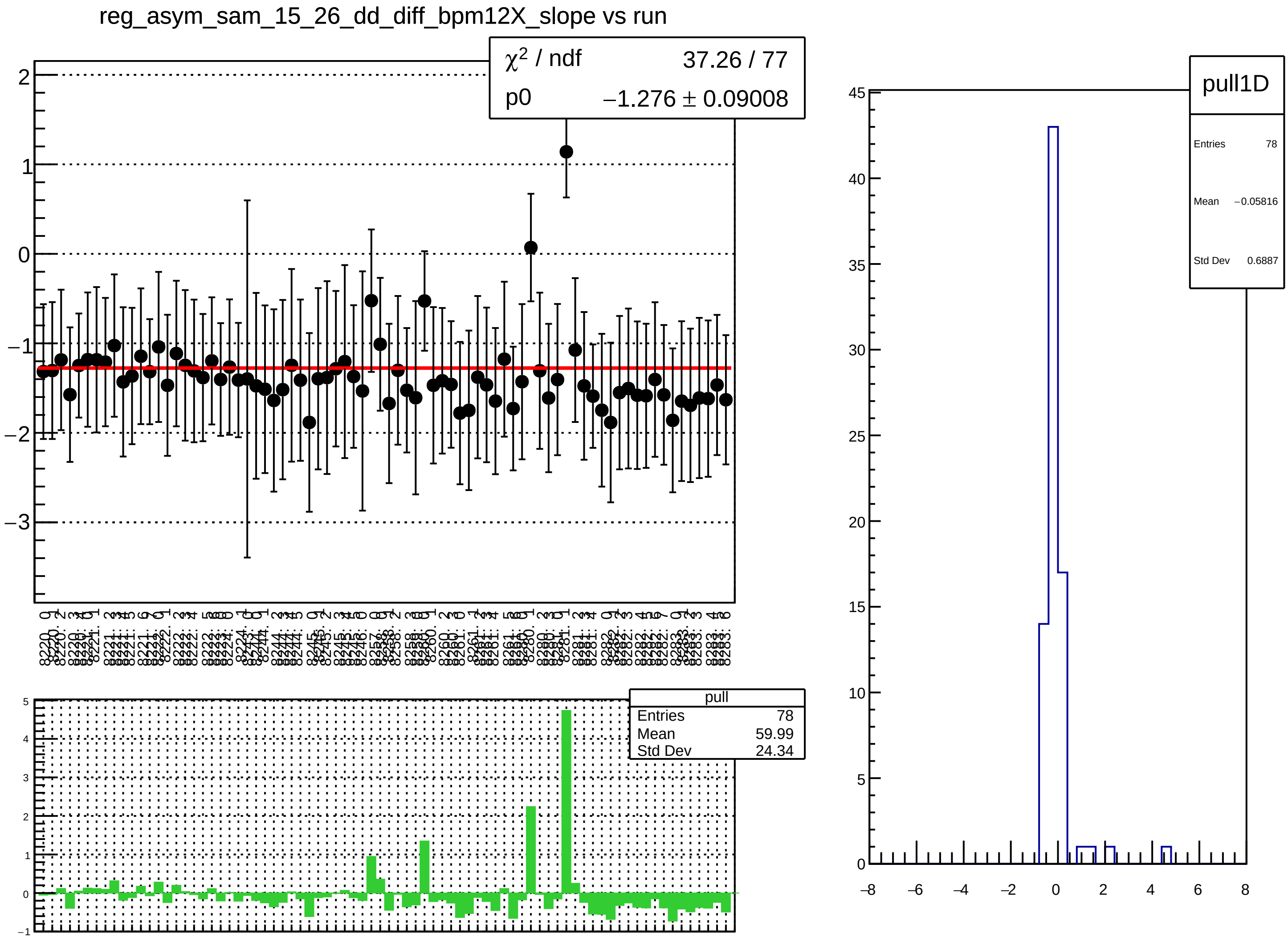


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.286 / 77
p0 32.7 ± 1.668
pull
Entries 78
Mean −56.65
Std Dev 94.19
pull1D
Entries 78
Mean −0.004303
Std Dev 0.1283

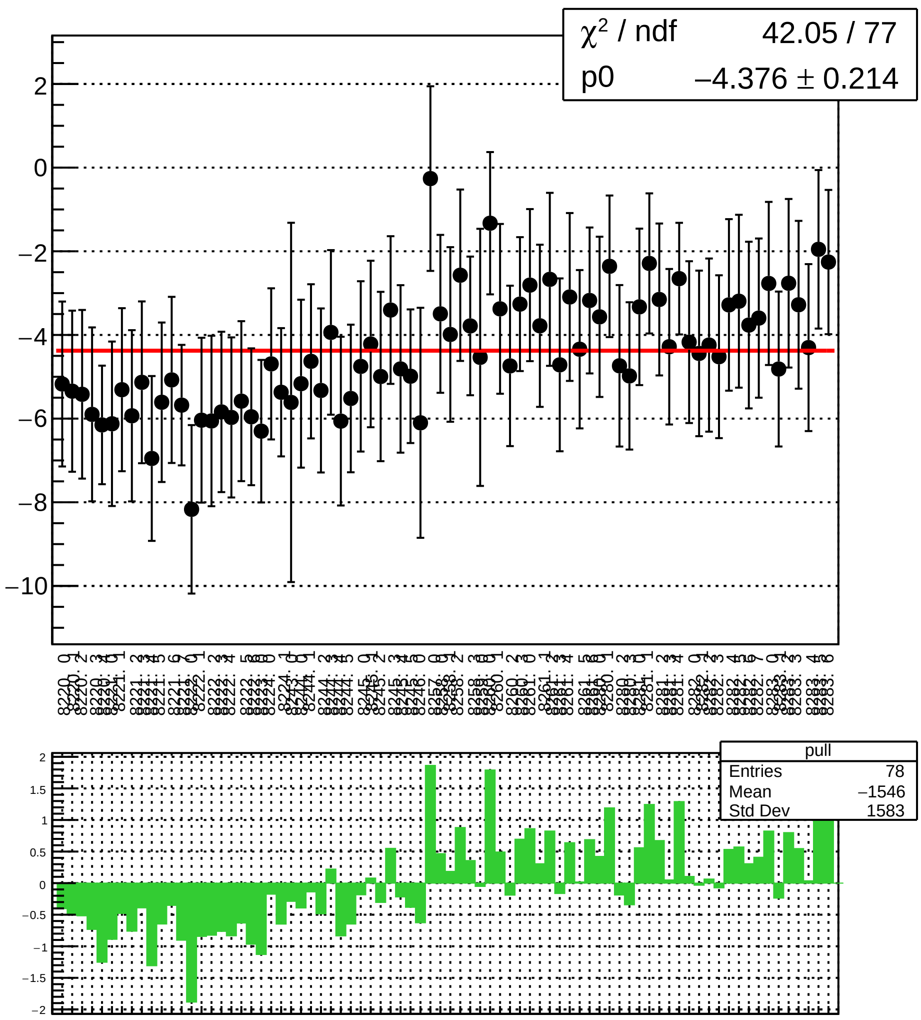


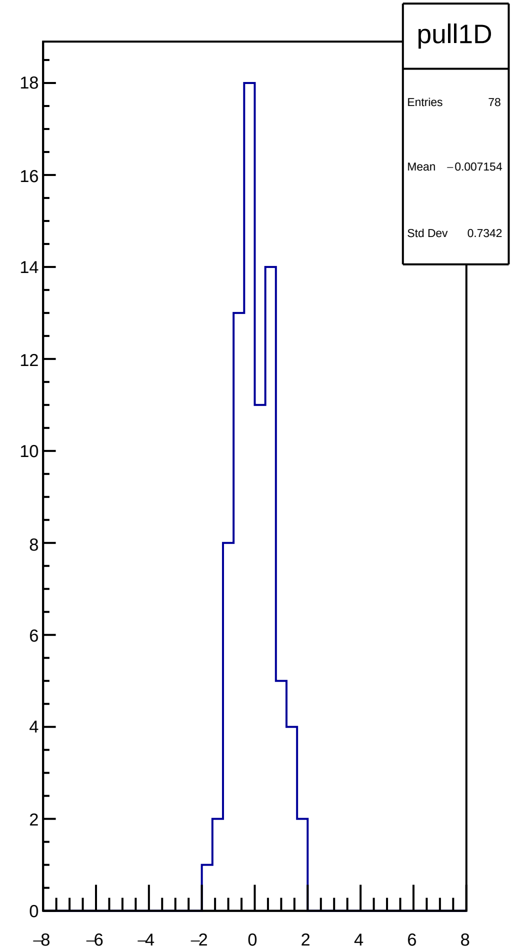
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 17.92 / 77
p0 40.88 ± 0.9254
pull
Entries 78
Mean 7.114
Std Dev 39.09
pull1D
Entries 78
Mean −0.02051
Std Dev 0.4789


reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.688 / 77
p0 15.23 ± 1.754
pull
Entries 78
Mean 974.4
Std Dev 940.6
pull1D
Entries 78
Mean 0.001066
Std Dev 0.1471

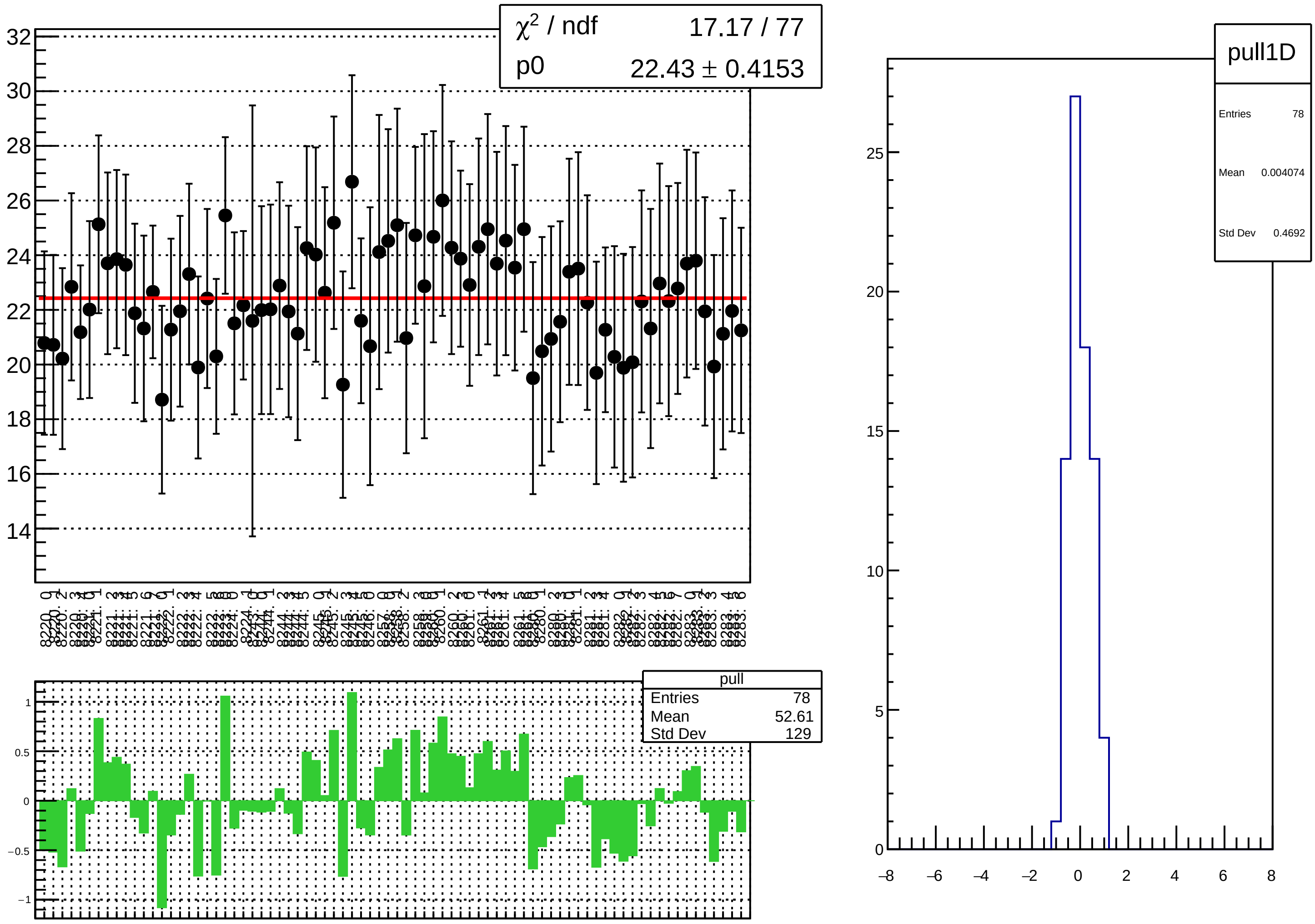

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 37.26 / 77
p0 −1.276 ± 0.09008
pull
Entries 78
Mean 59.99
Std Dev 24.34
pull1D
Entries 78
Mean −0.05816
Std Dev 0.6887

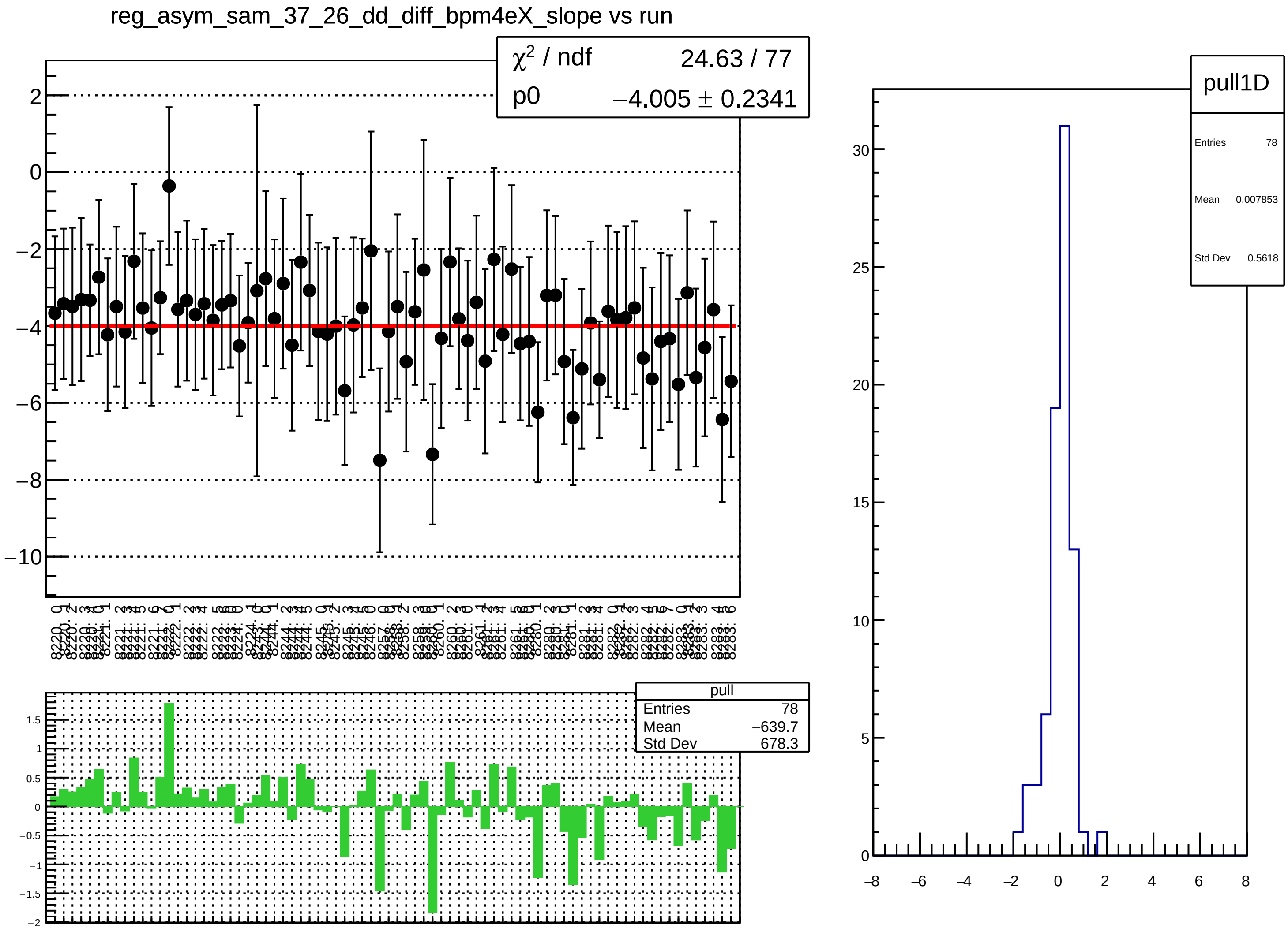
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run





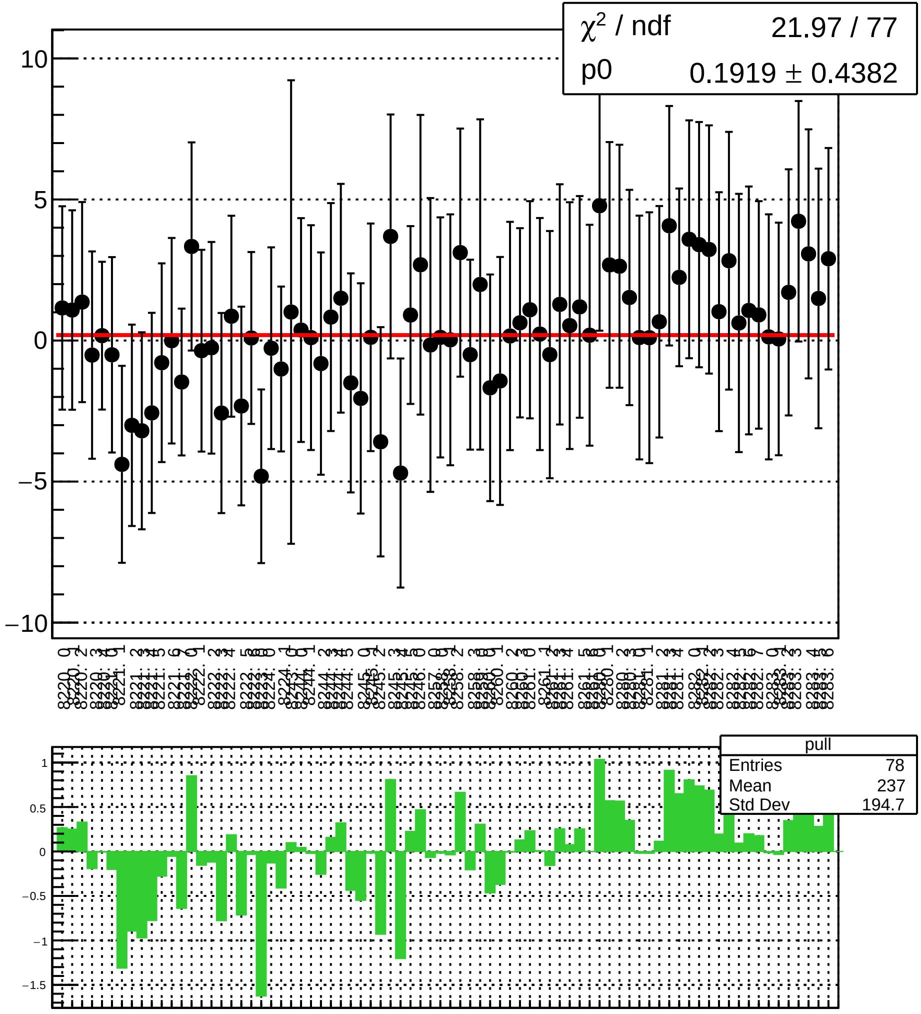
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run

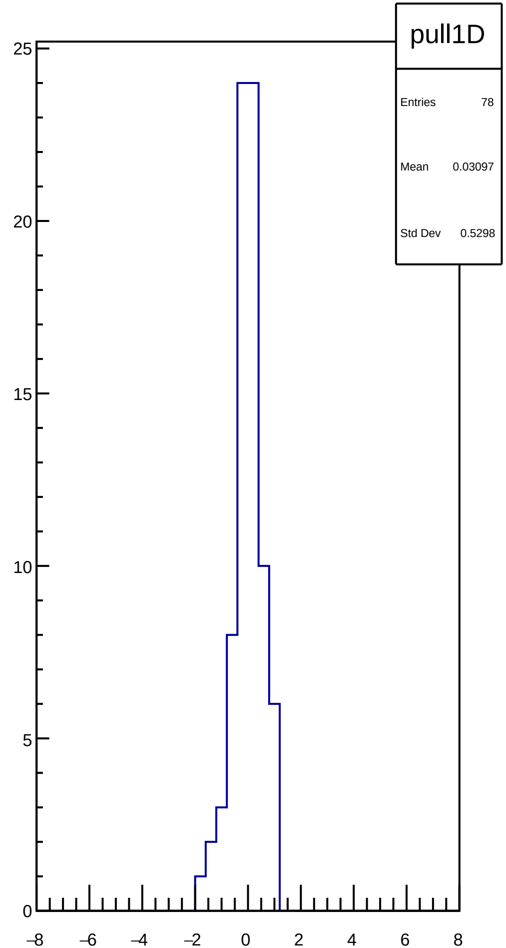


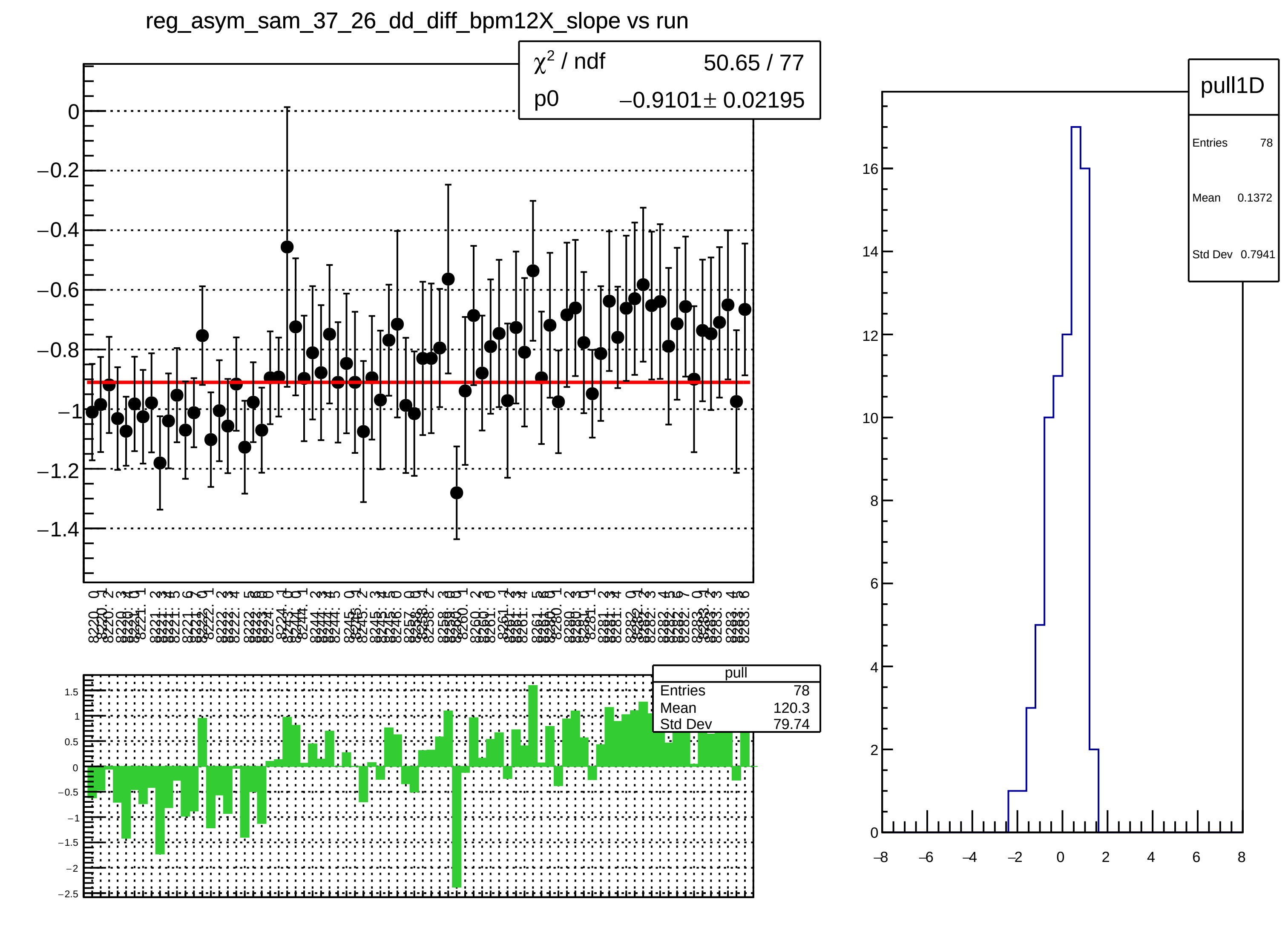


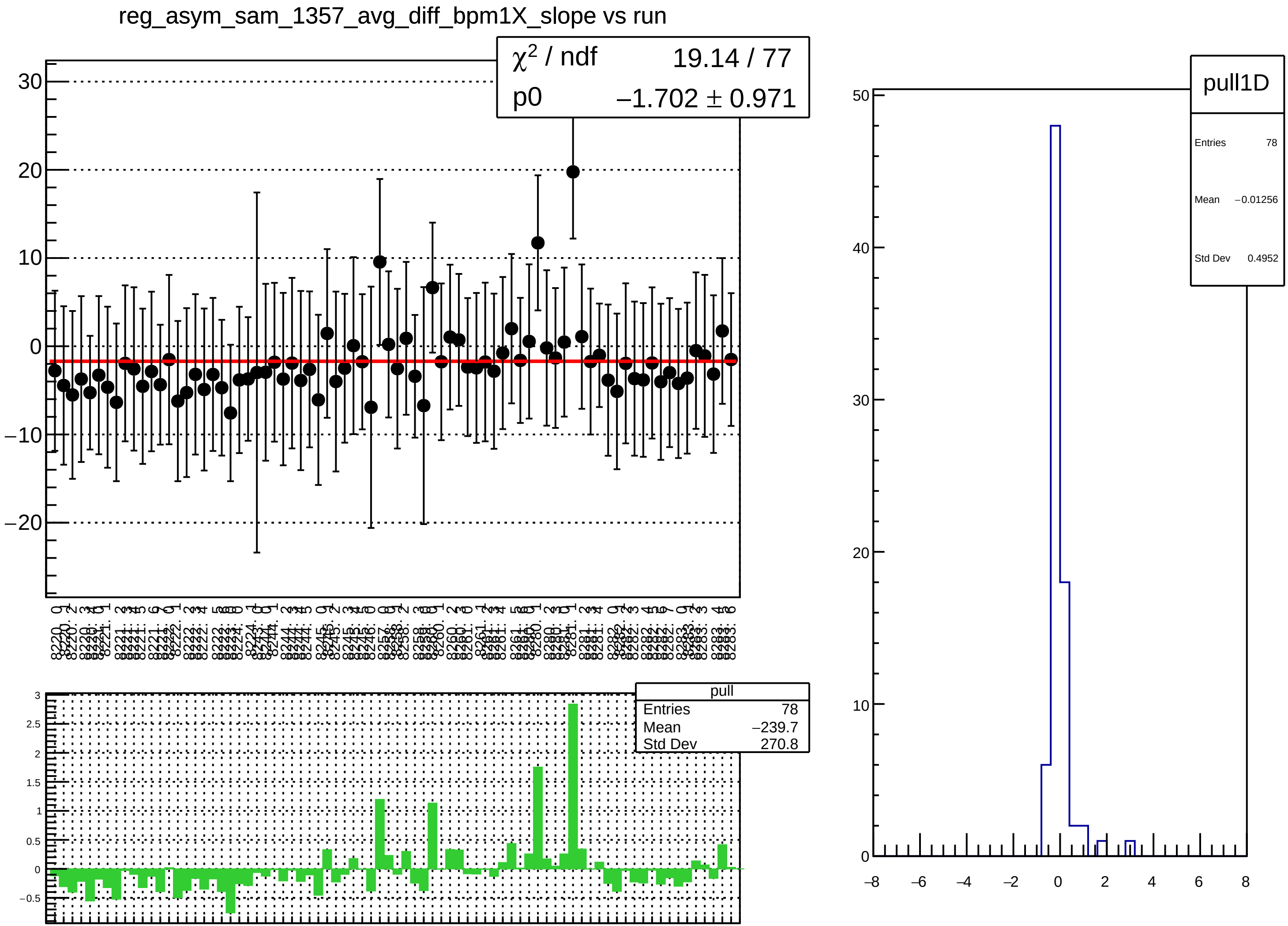
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 24.63 / 77
p0 −4.005 ± 0.2341
pull
Entries 78
Mean −639.7
Std Dev 678.3
pull1D
Entries 78
Mean 0.007853
Std Dev 0.5618

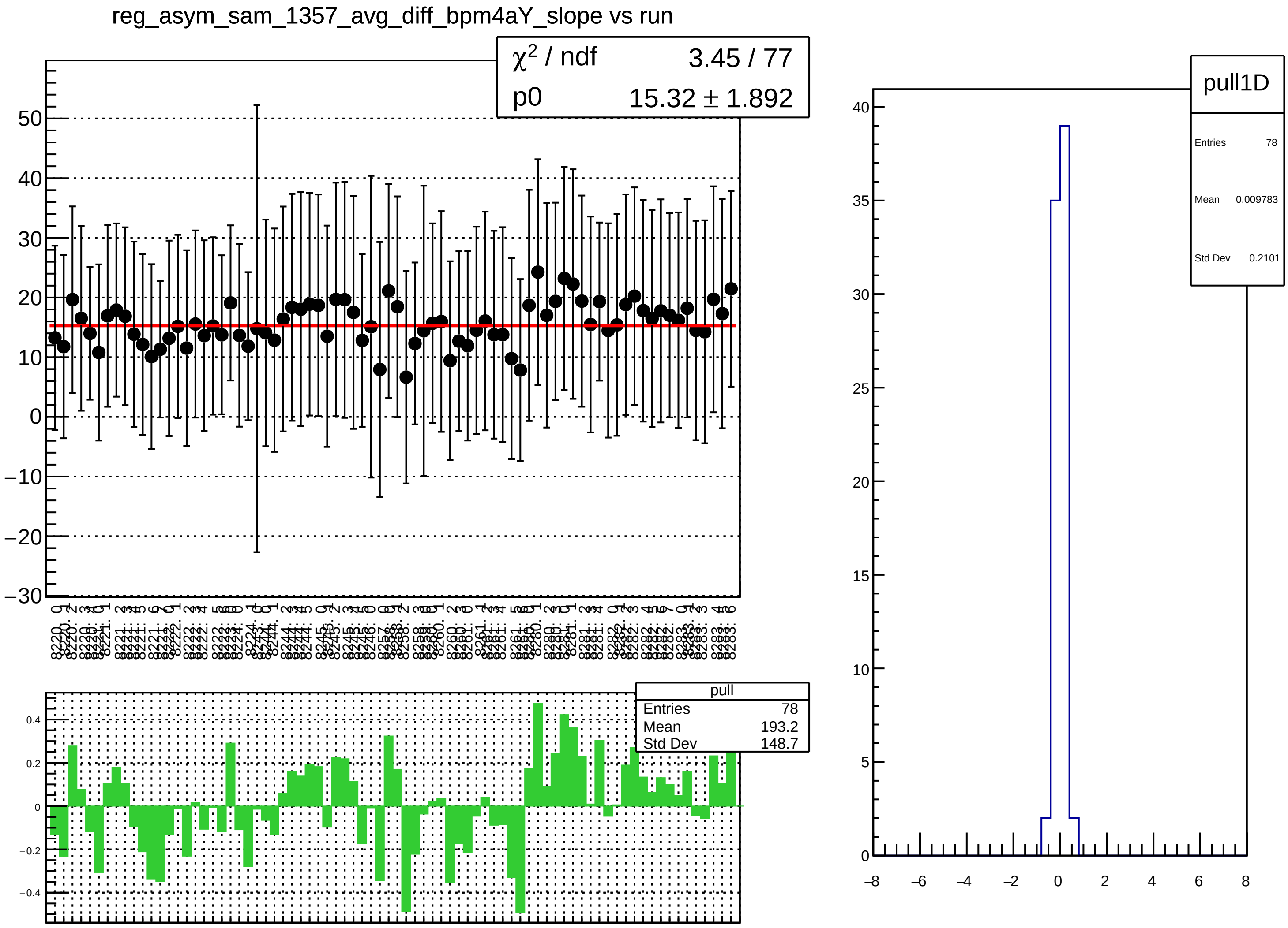
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run



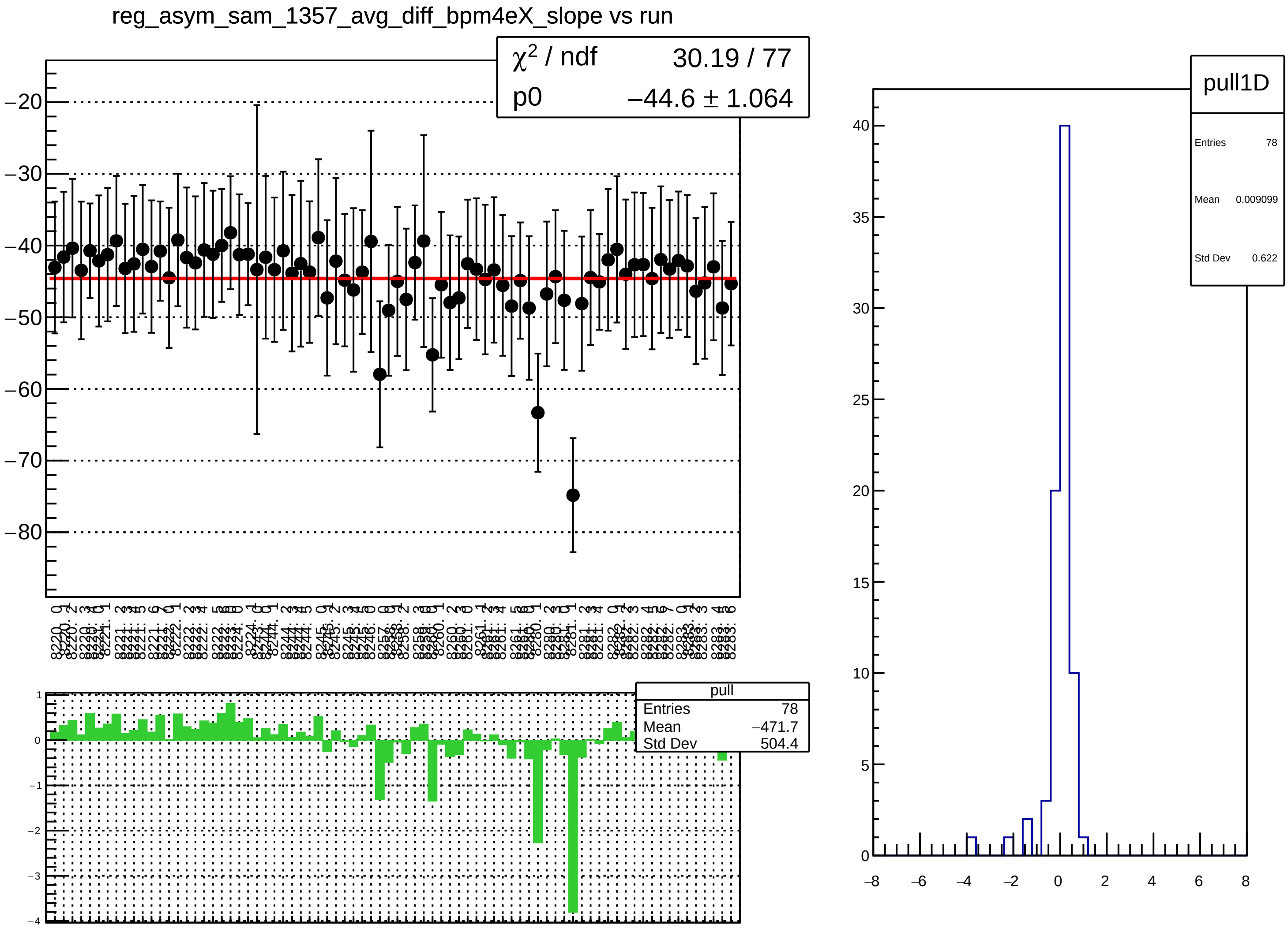



reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 50.65 / 77
p0 −0.9101 ± 0.02195
pull
Entries 78
Mean 120.3
Std Dev 79.74
pull1D
Entries 78
Mean 0.1372
Std Dev 0.7941

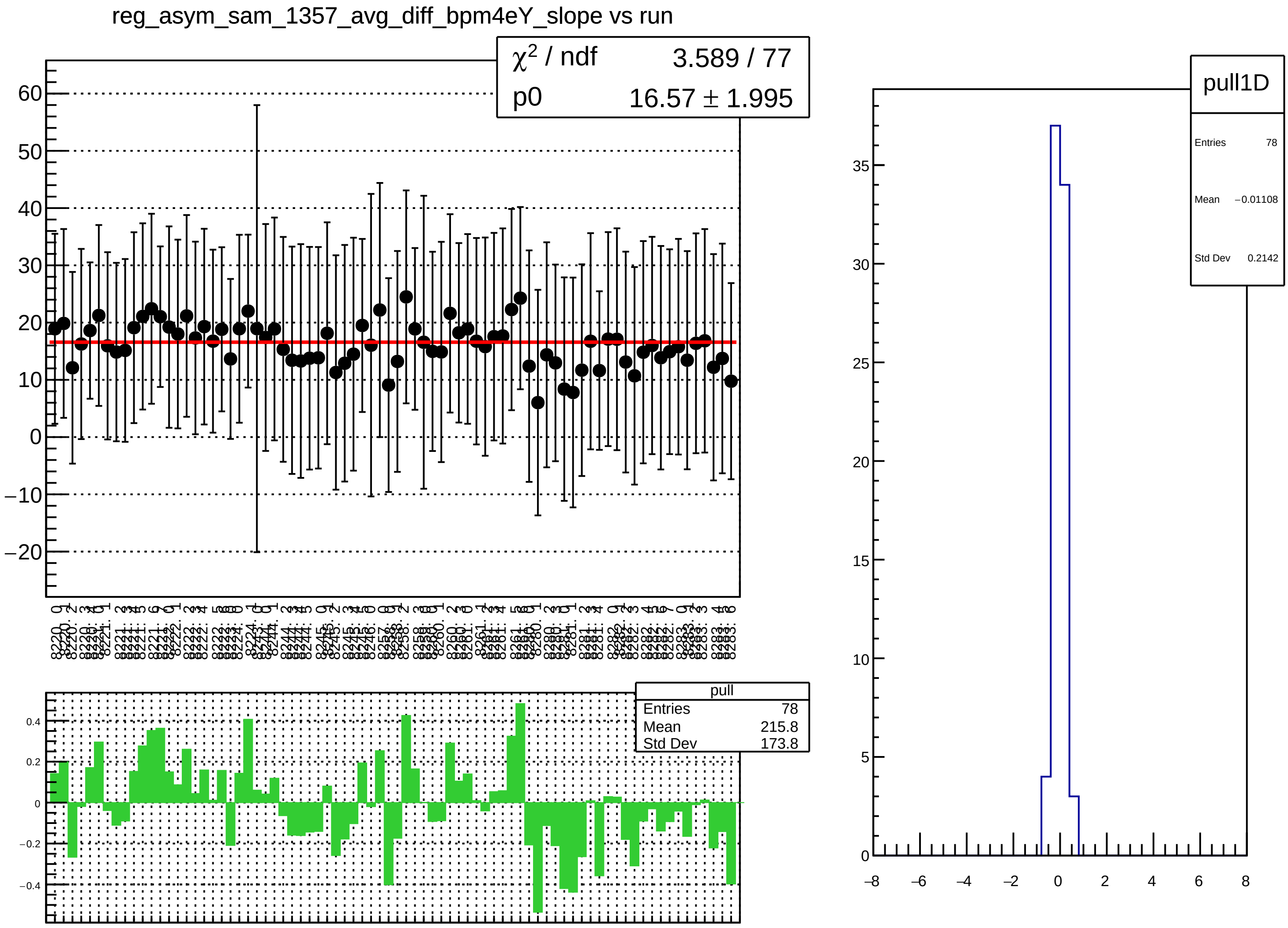

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 19.14 / 77
p0 −1.702 ± 0.971
pull
Entries 78
Mean −239.7
Std Dev 270.8
pull1D
Entries 78
Mean −0.01256
Std Dev 0.4952



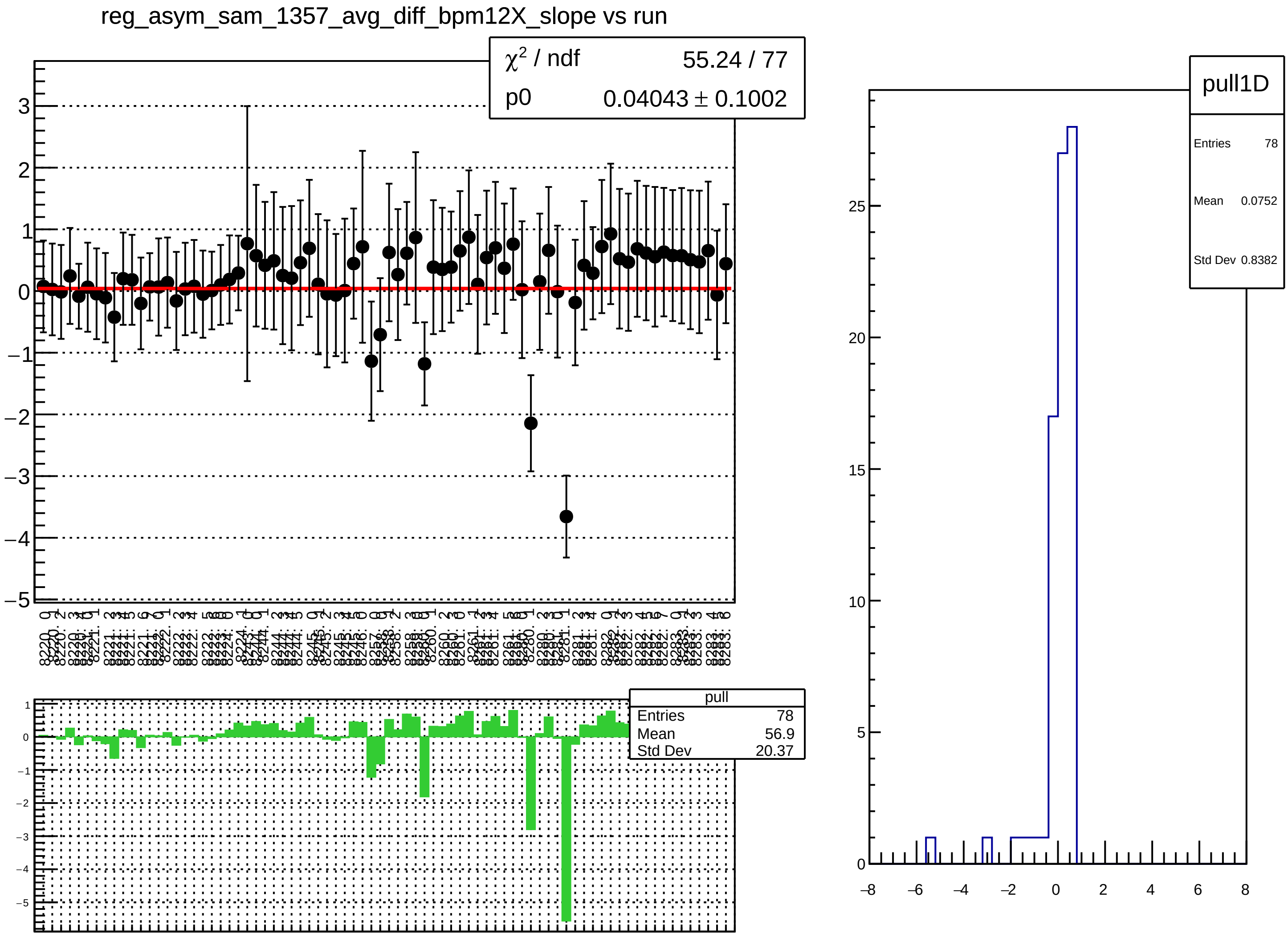
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.45 / 77
p0 15.32 ± 1.892
pull
Entries 78
Mean 193.2
Std Dev 148.7
pull1D
Entries 78
Mean 0.009783
Std Dev 0.2101

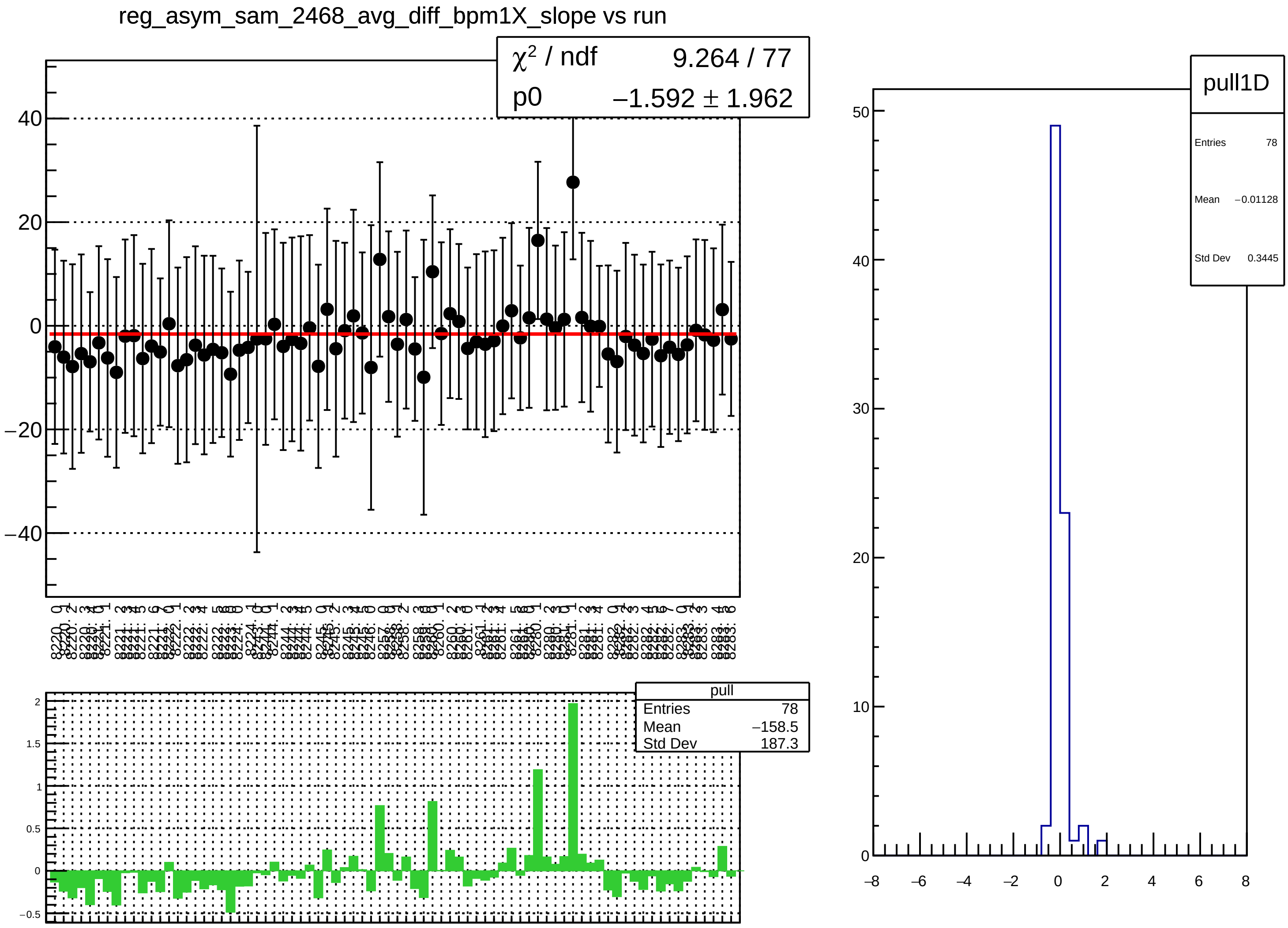


reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 30.19 / 77
p0 −44.6 ± 1.064
pull
Entries 78
Mean −471.7
Std Dev 504.4
pull1D
Entries 78
Mean 0.009099
Std Dev 0.622

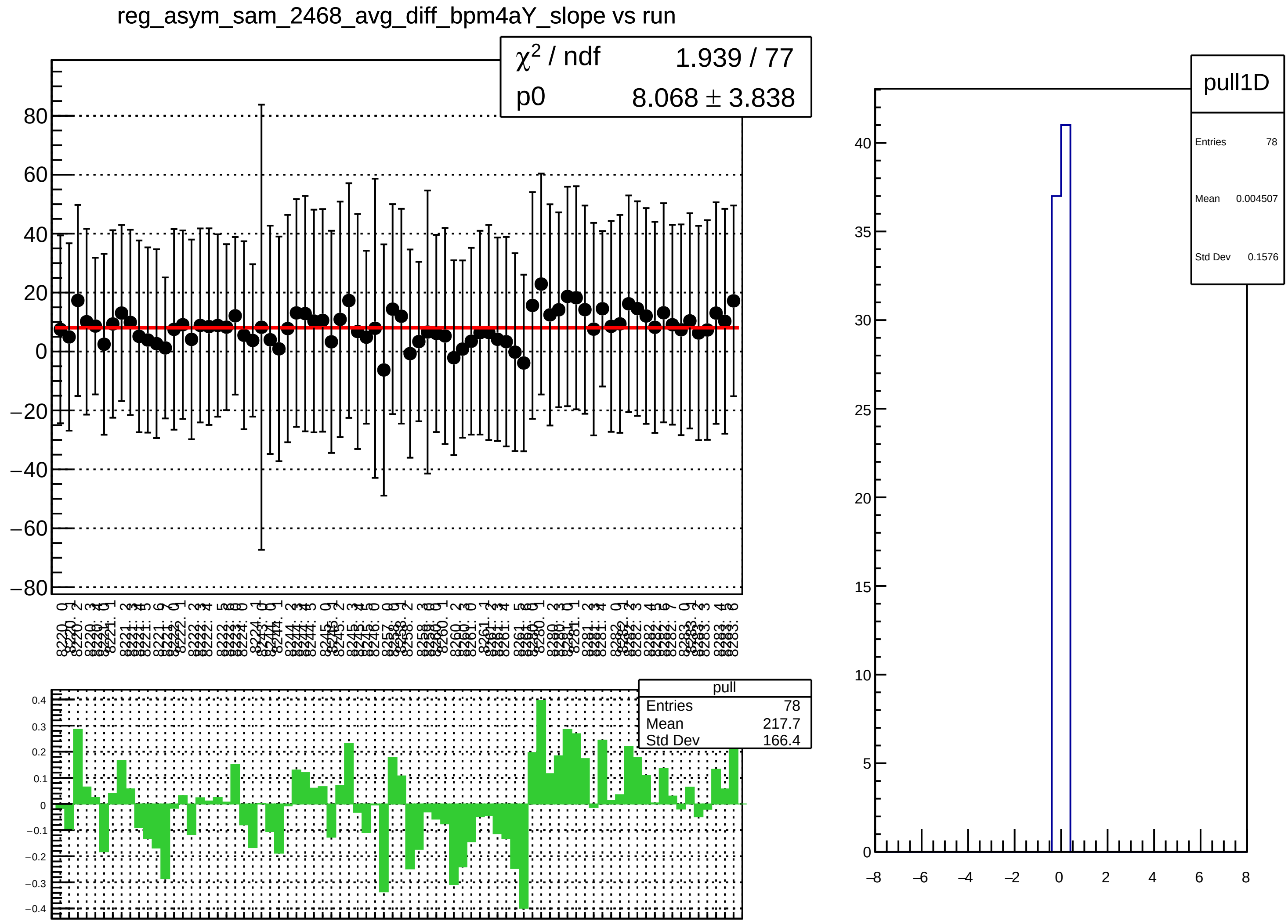


reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.589 / 77
p0 16.57 ± 1.995
pull
Entries 78
Mean 215.8
Std Dev 173.8
pull1D
Entries 78
Mean −0.01108
Std Dev 0.2142

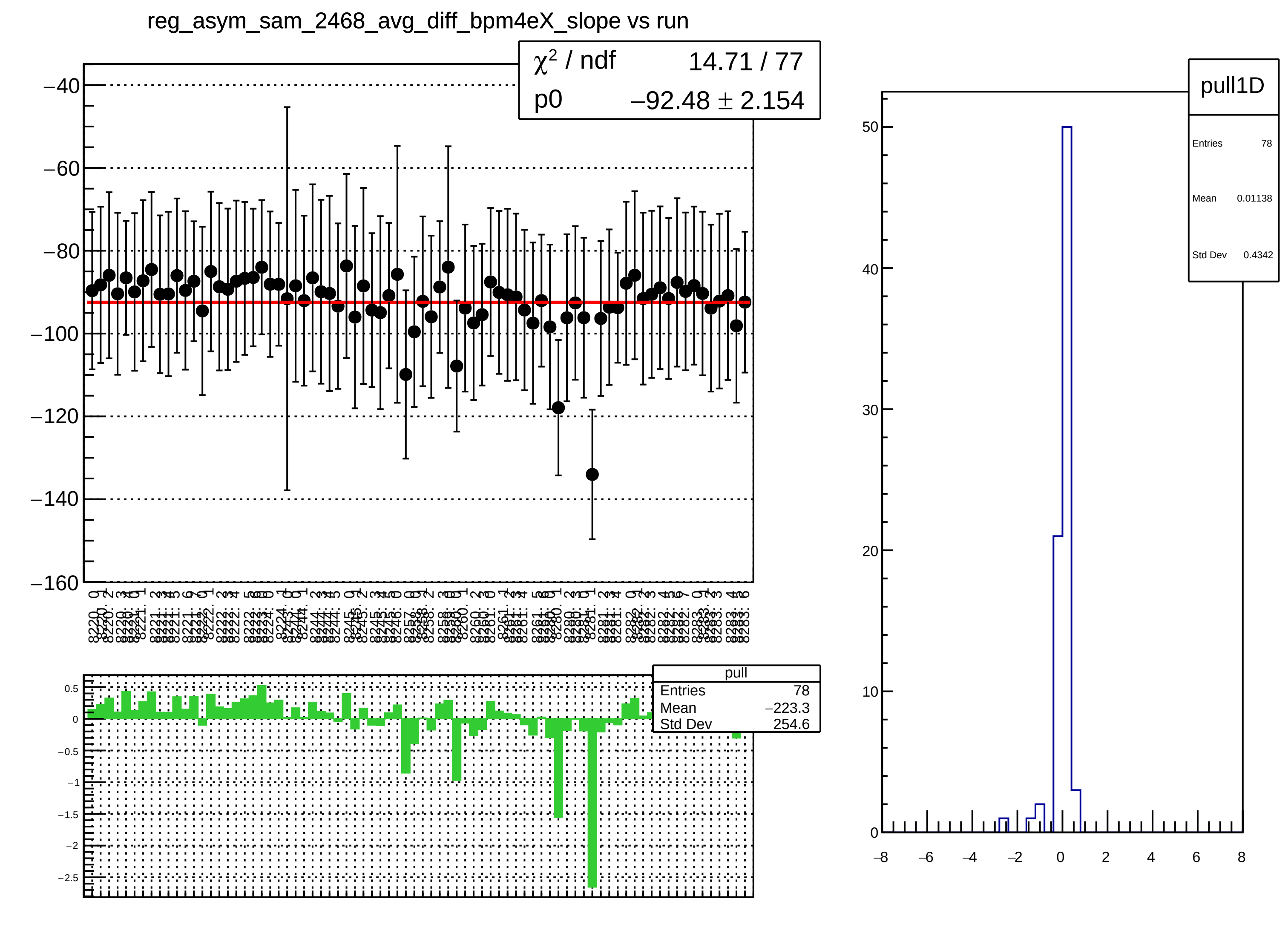

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 55.24 / 77
p0 0.04043 ± 0.1002
pull
Entries 78
Mean 56.9
Std Dev 20.37
pull1D
Entries 78
Mean 0.0752
Std Dev 0.8382



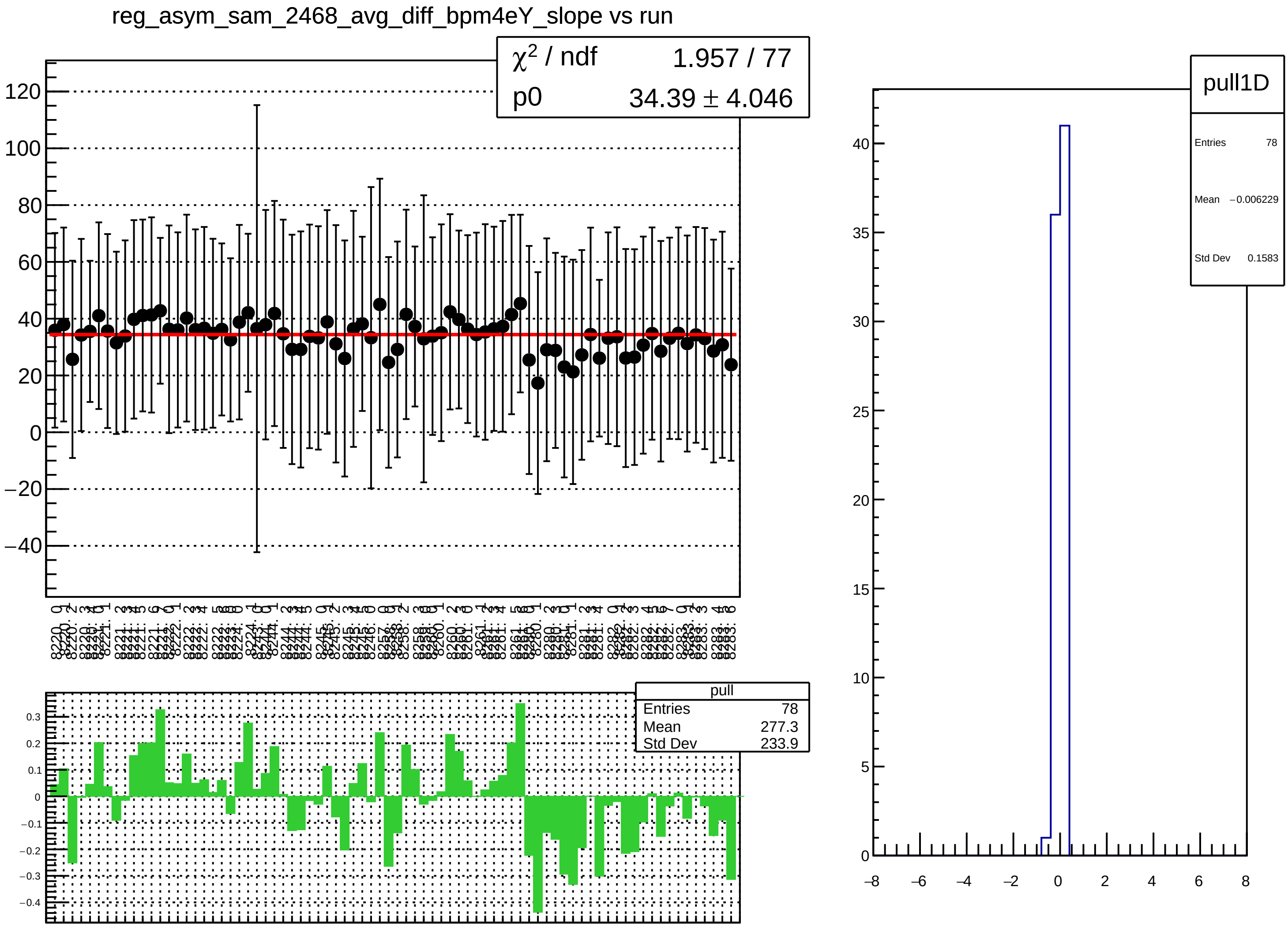
reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ2 / ndf 9.264 / 77
p0 −1.592 ± 1.962
pull
Entries 78
Mean −158.5
Std Dev 187.3
pull1D
Entries 78
Mean −0.01128
Std Dev 0.3445



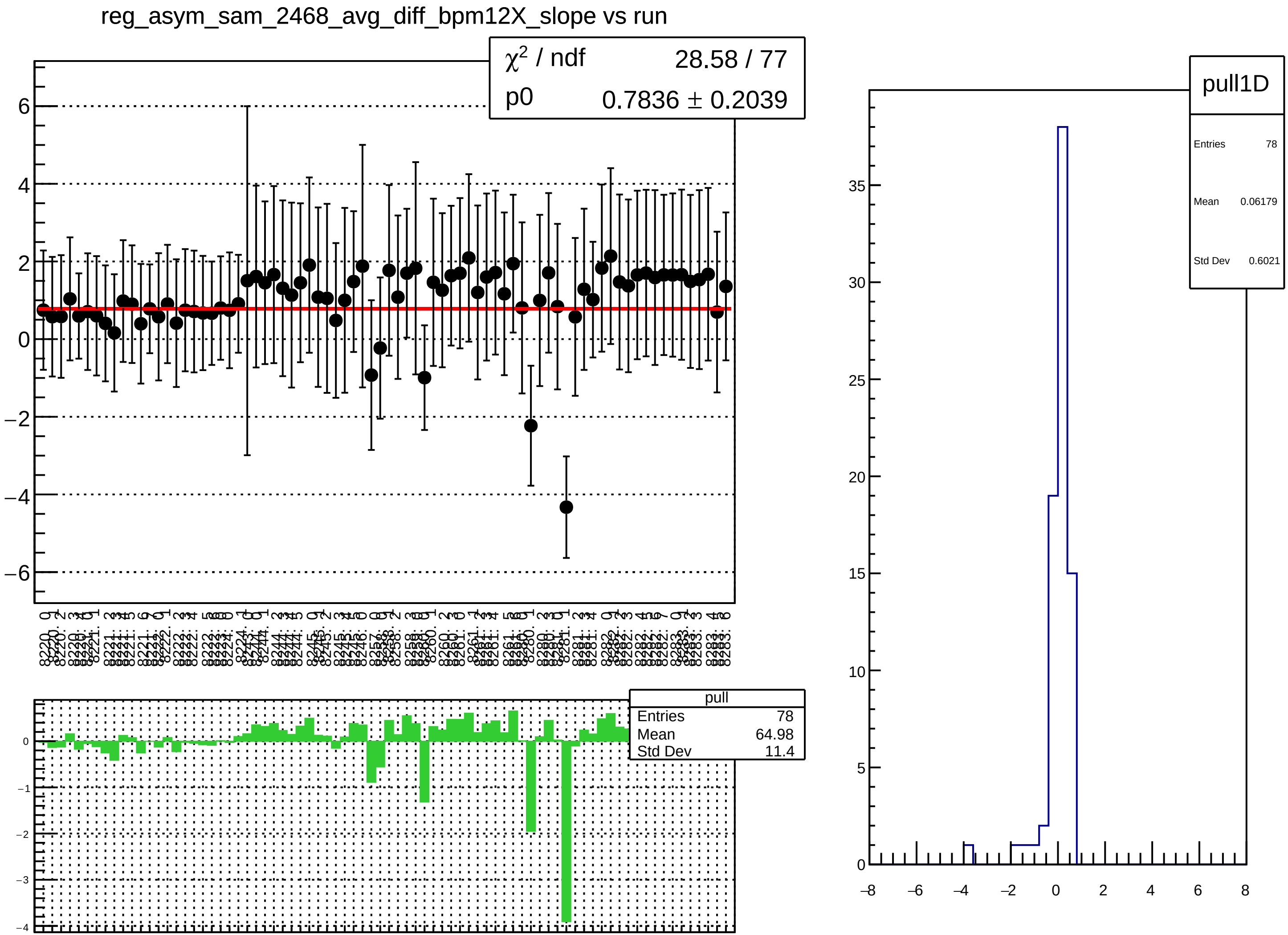
reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.939 / 77
p0 8.068 ± 3.838
pull
Entries 78
Mean 217.7
Std Dev 166.4
pull1D
Entries 78
Mean 0.004507
Std Dev 0.1576



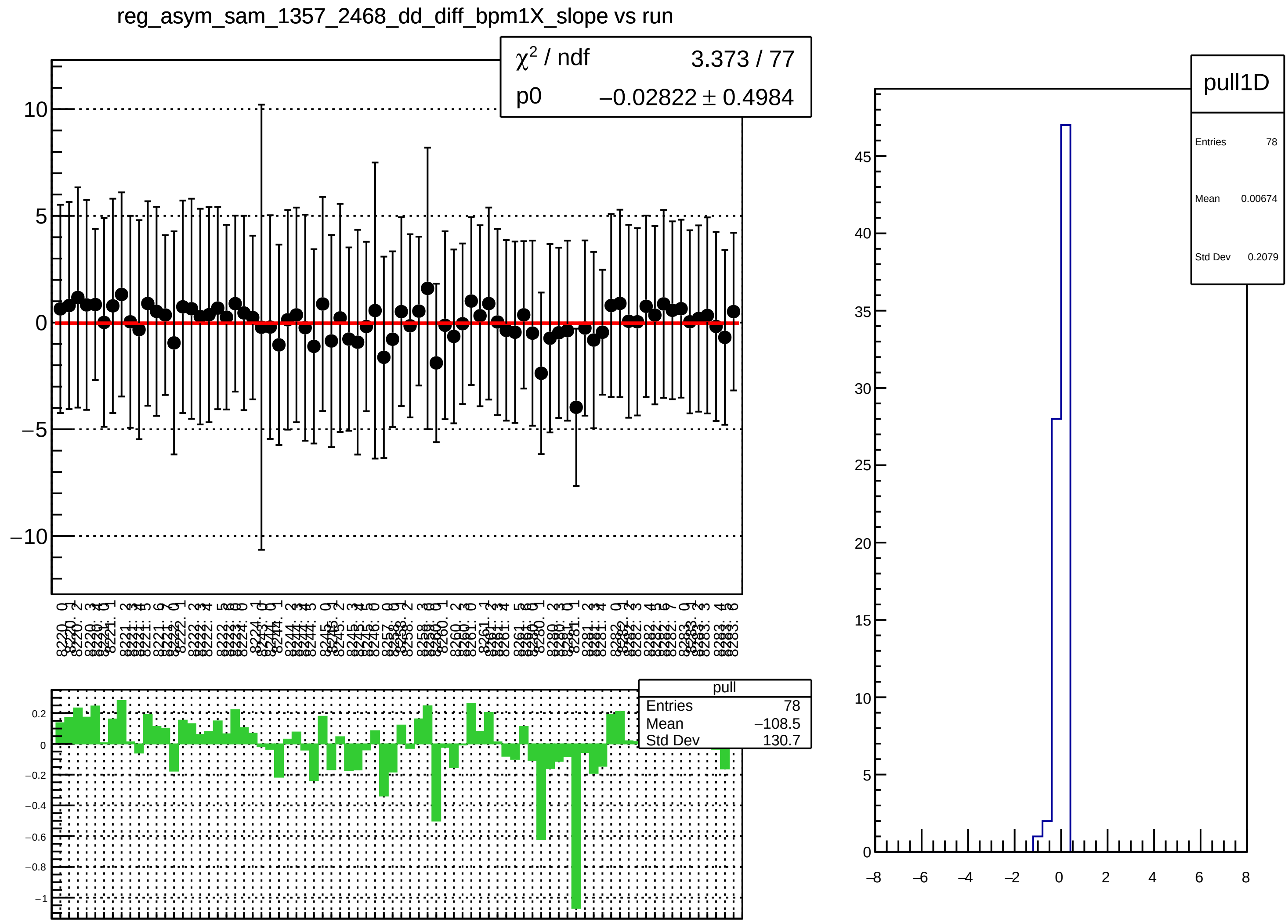
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ2 / ndf 14.71 / 77
p0 −92.48 ± 2.154
pull
Entries 78
Mean −223.3
Std Dev 254.6
pull1D
Entries 78
Mean 0.01138
Std Dev 0.4342



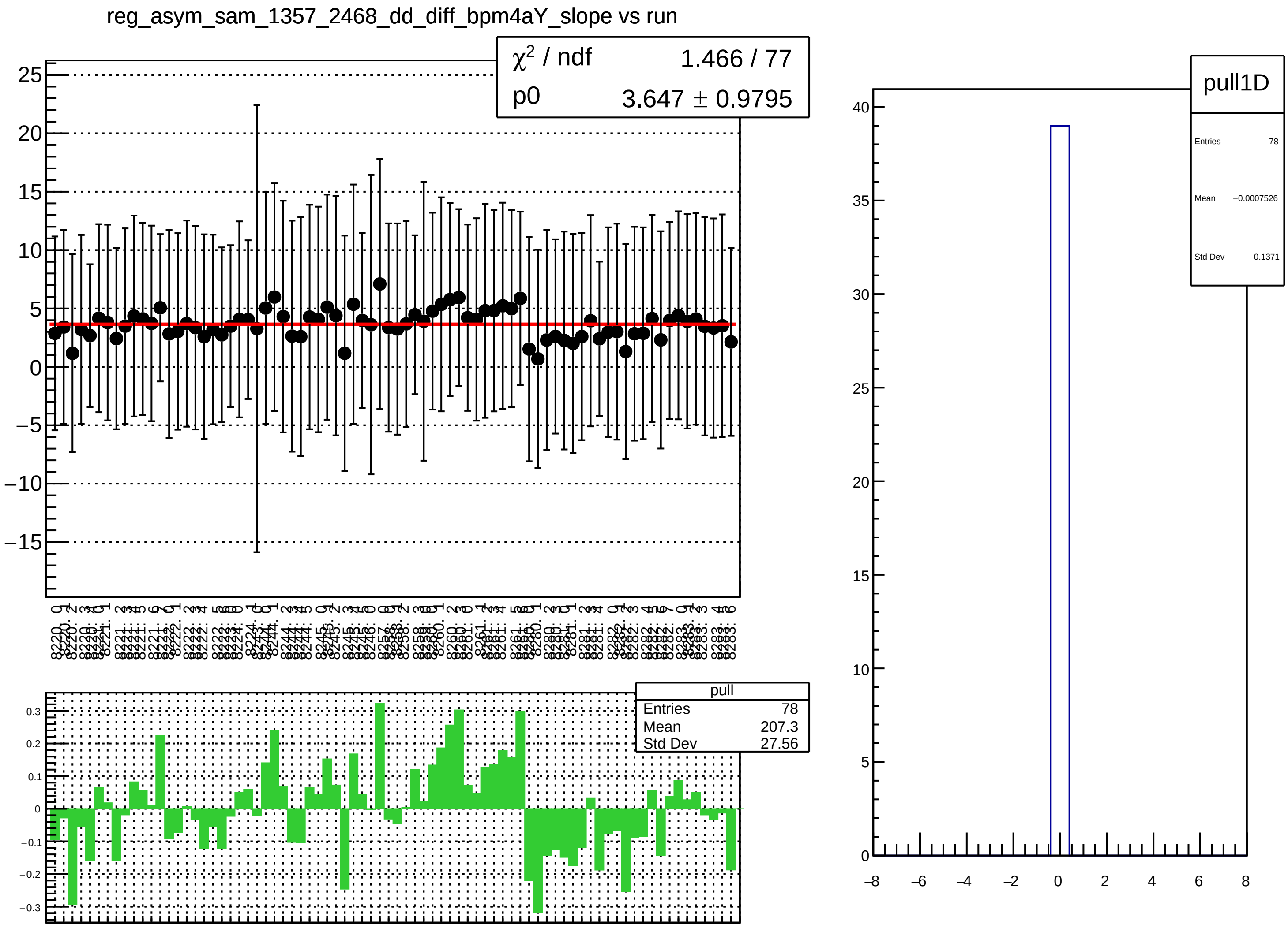
reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ2 / ndf 1.957 / 77
p0 34.39 ± 4.046
pull
Entries 78
Mean 277.3
Std Dev 233.9
pull1D
Entries 78
Mean −0.006229
Std Dev 0.1583



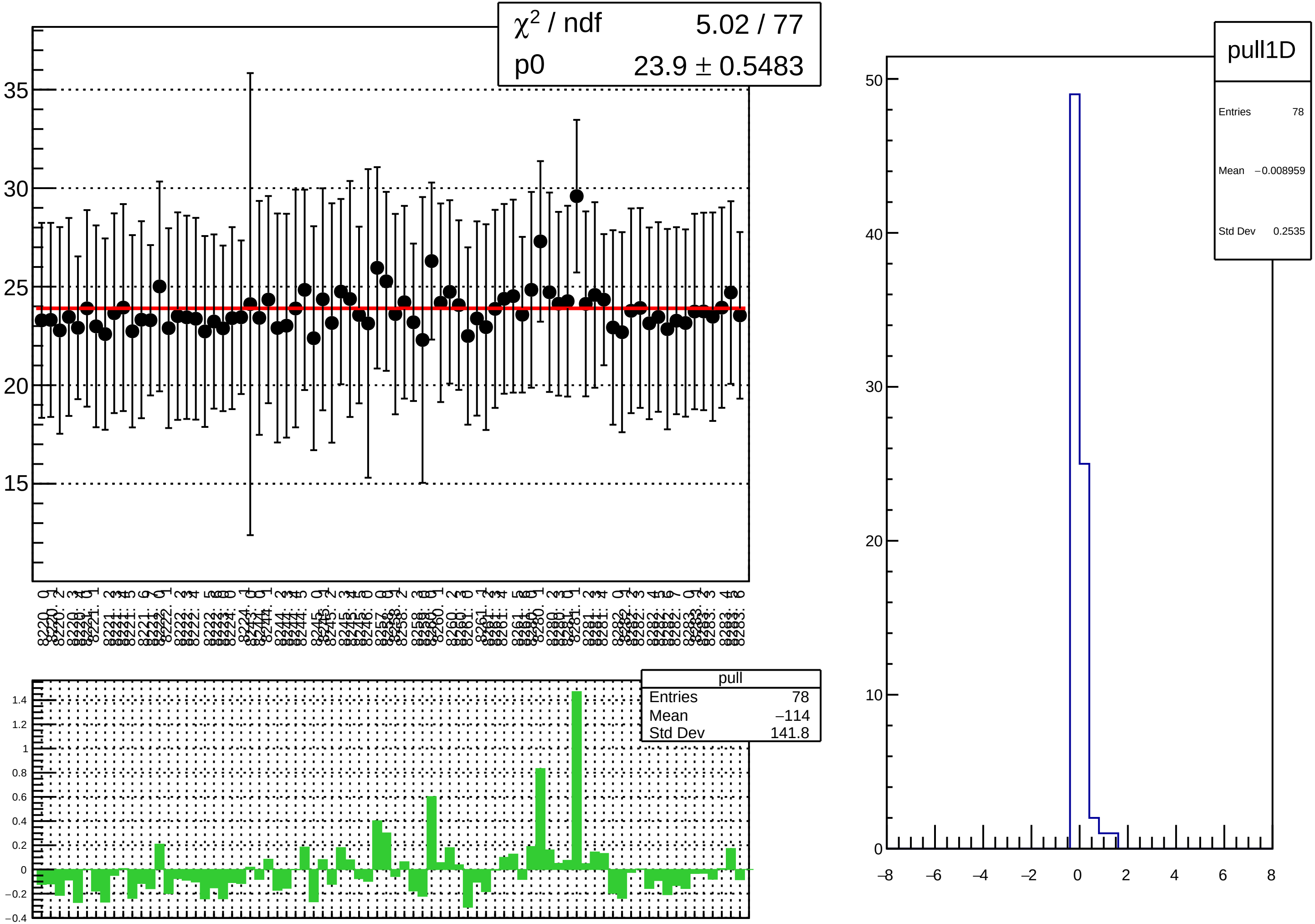
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 28.58 / 77
p0 0.7836 ± 0.2039
pull
Entries 78
Mean 64.98
Std Dev 11.4
pull1D
Entries 78
Mean 0.06179
Std Dev 0.6021

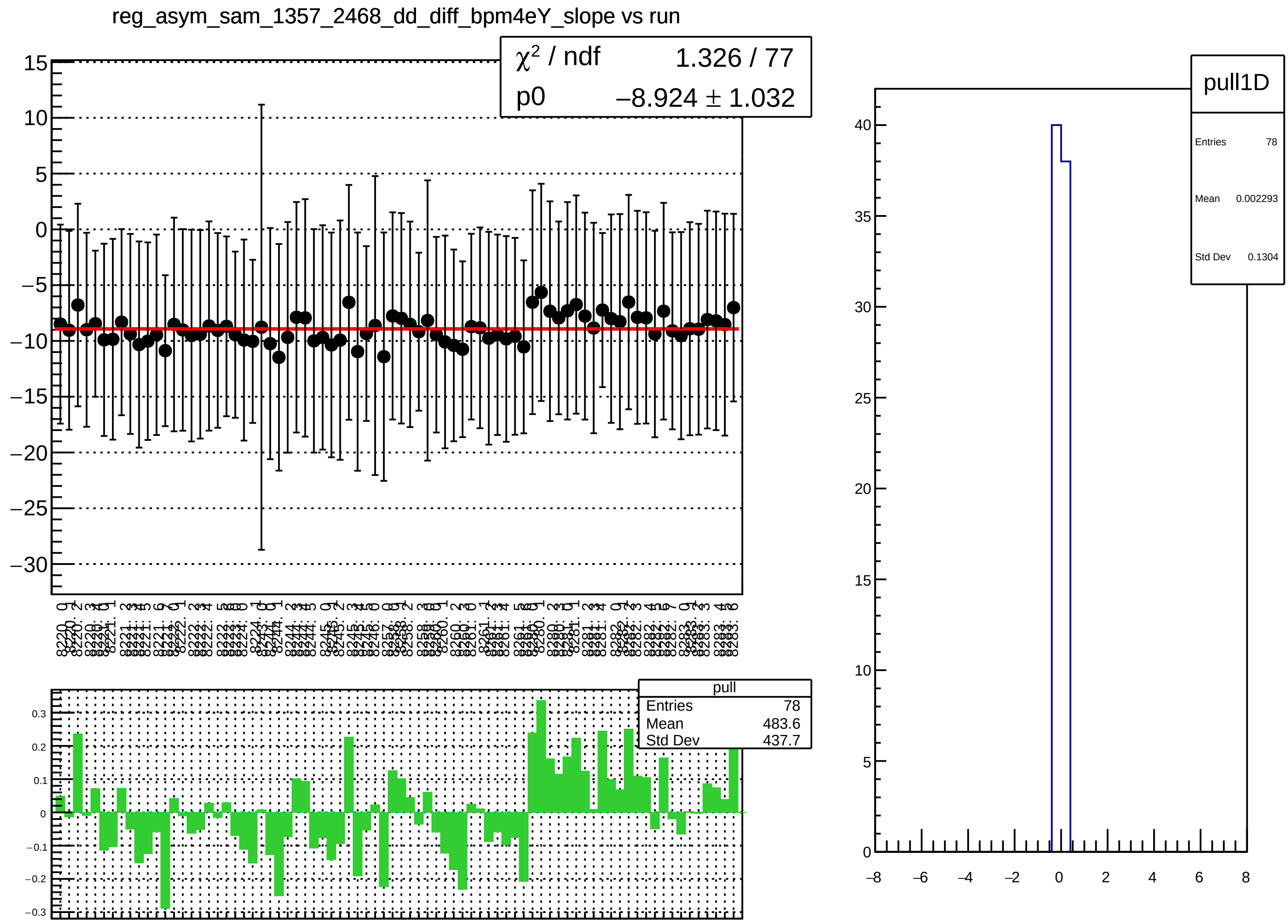


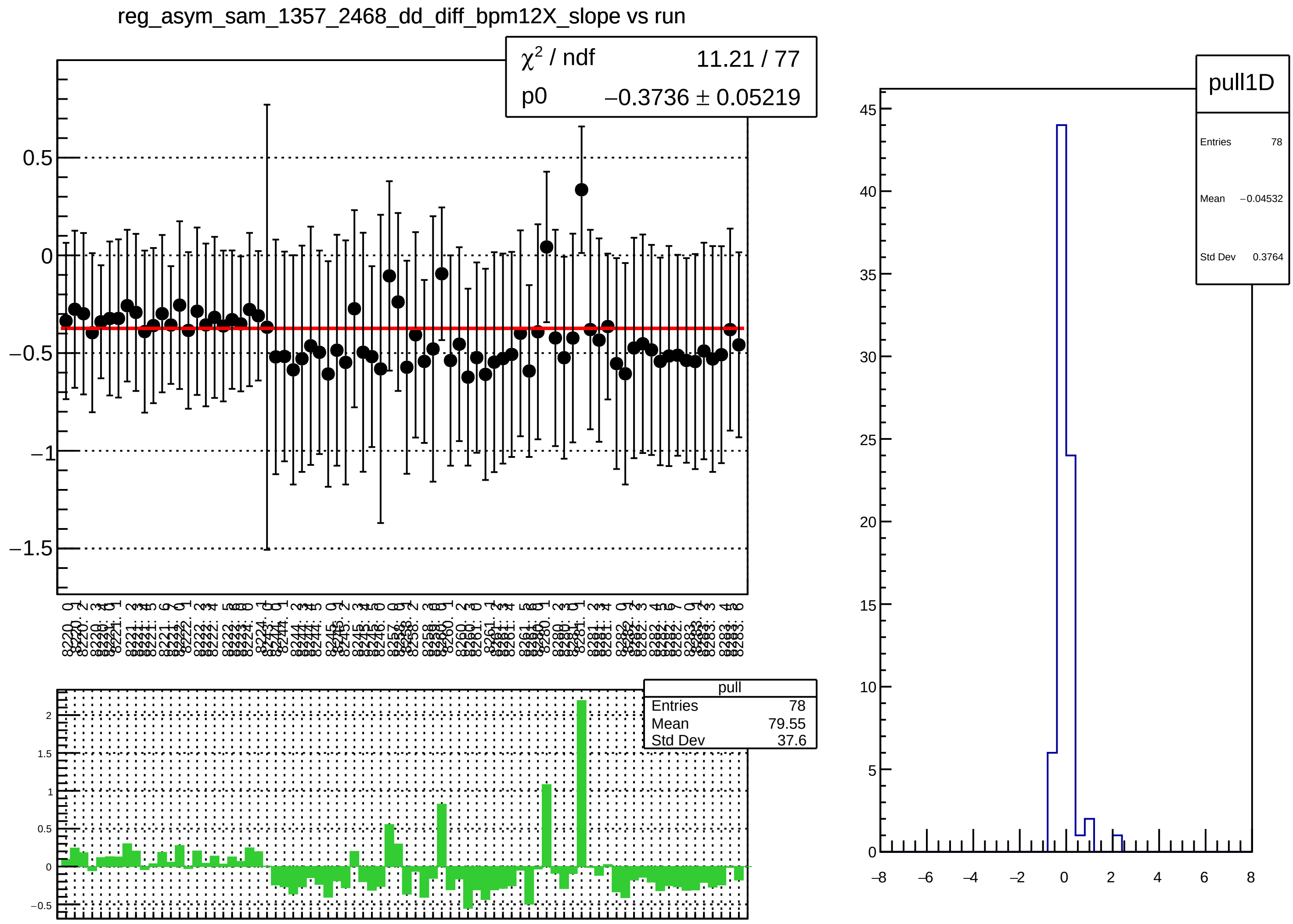
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.373 / 77
p0 −0.02822 ± 0.4984
pull
Entries 78
Mean −108.5
Std Dev 130.7
pull1D
Entries 78
Mean 0.00674
Std Dev 0.2079

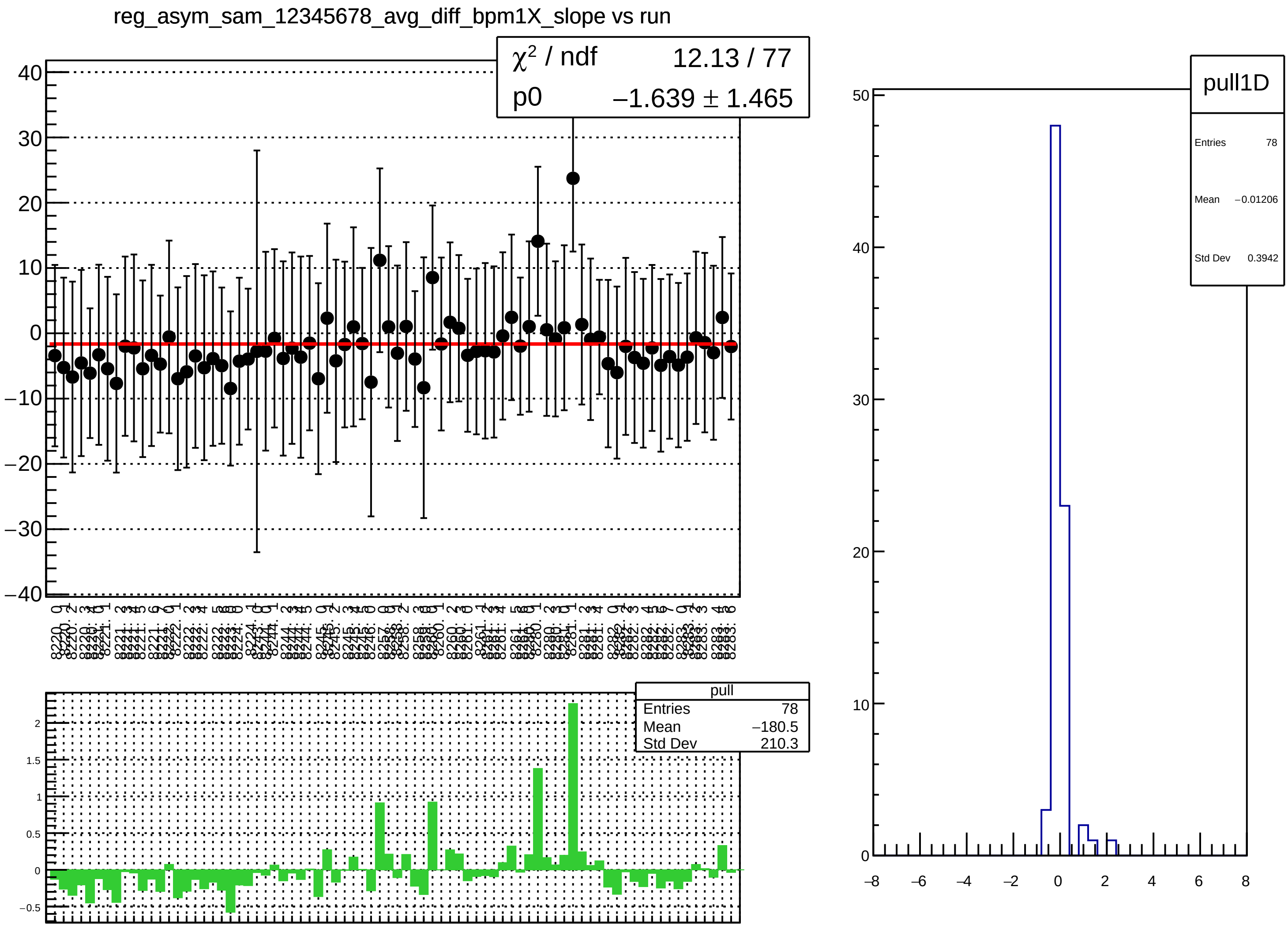

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.466 / 77
p0 3.647 ± 0.9795
pull
Entries 78
Mean 207.3
Std Dev 27.56
pull1D
Entries 78
Mean −0.0007526
Std Dev 0.1371

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

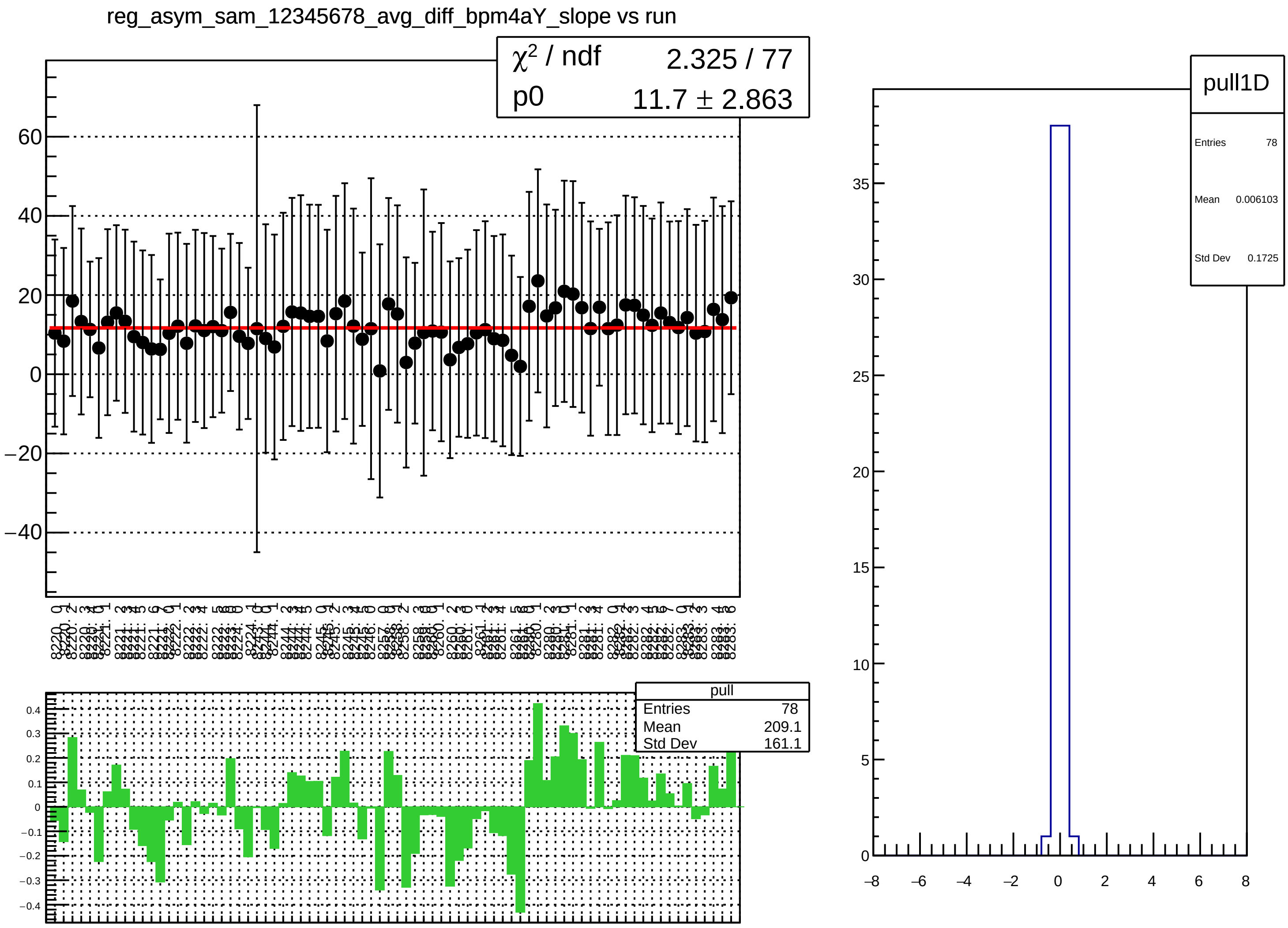


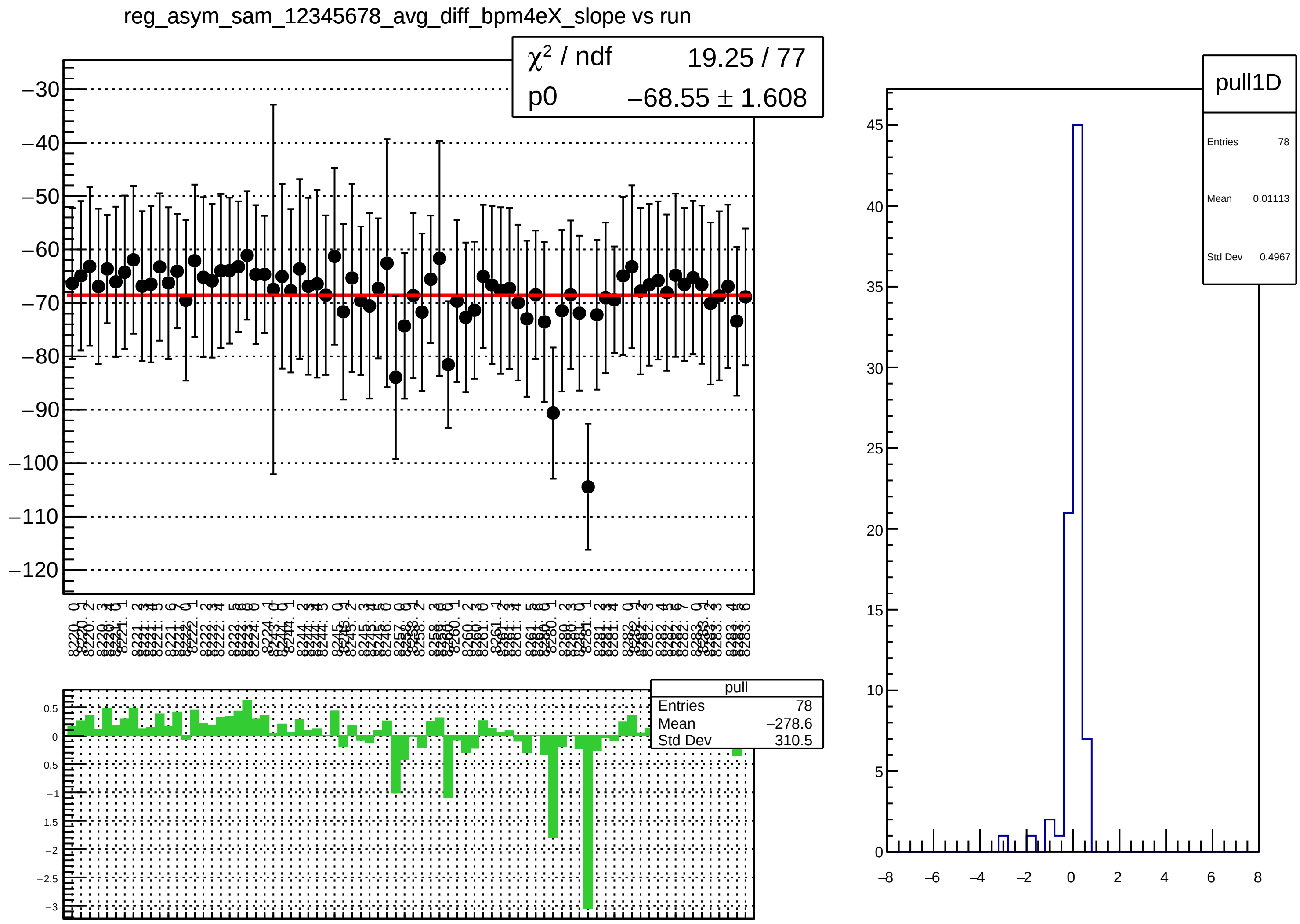

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ2 / ndf 1.326 / 77
p0 −8.924 ± 1.032
pull
Entries 78
Mean 483.6
Std Dev 437.7
pull1D
Entries 78
Mean 0.002293
Std Dev 0.1304

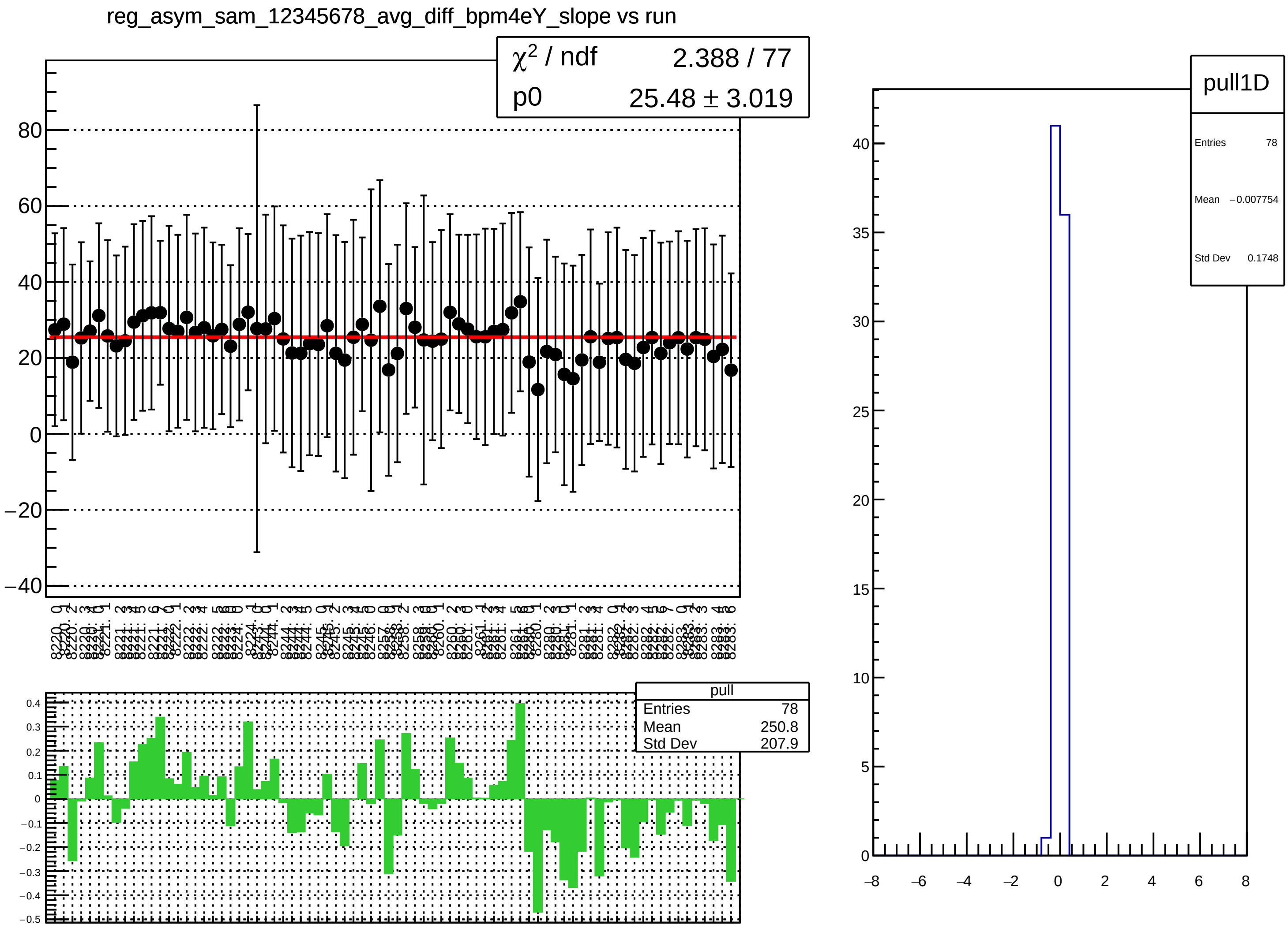

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.21 / 77
p0 −0.3736 ± 0.05219
pull
Entries 78
Mean 79.55
Std Dev 37.6
pull1D
Entries 78
Mean −0.04532
Std Dev 0.3764

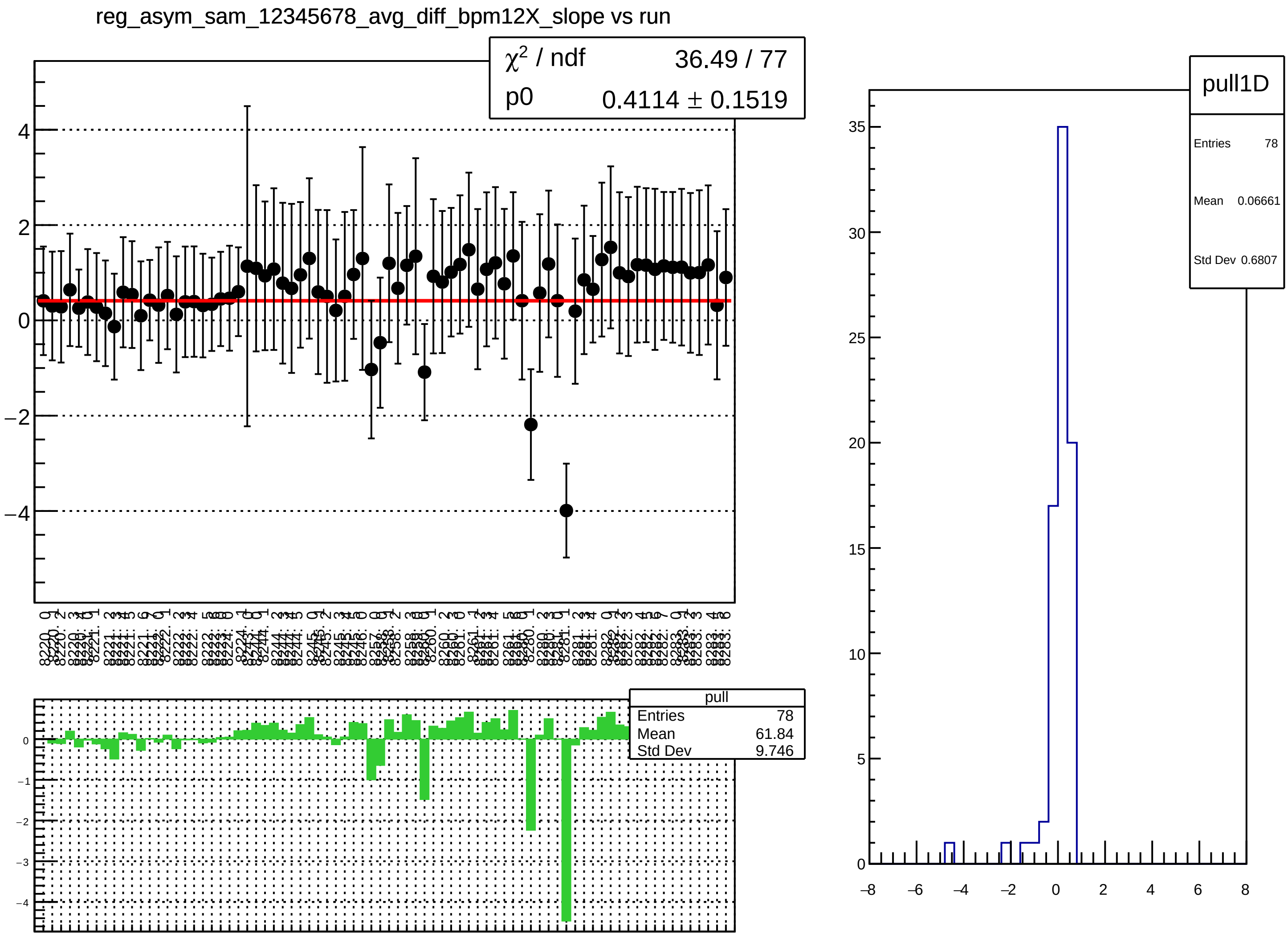


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.13 / 77
p0 −1.639 ± 1.465
pull
Entries 78
Mean −180.5
Std Dev 210.3
pull1D
Entries 78
Mean −0.01206
Std Dev 0.3942

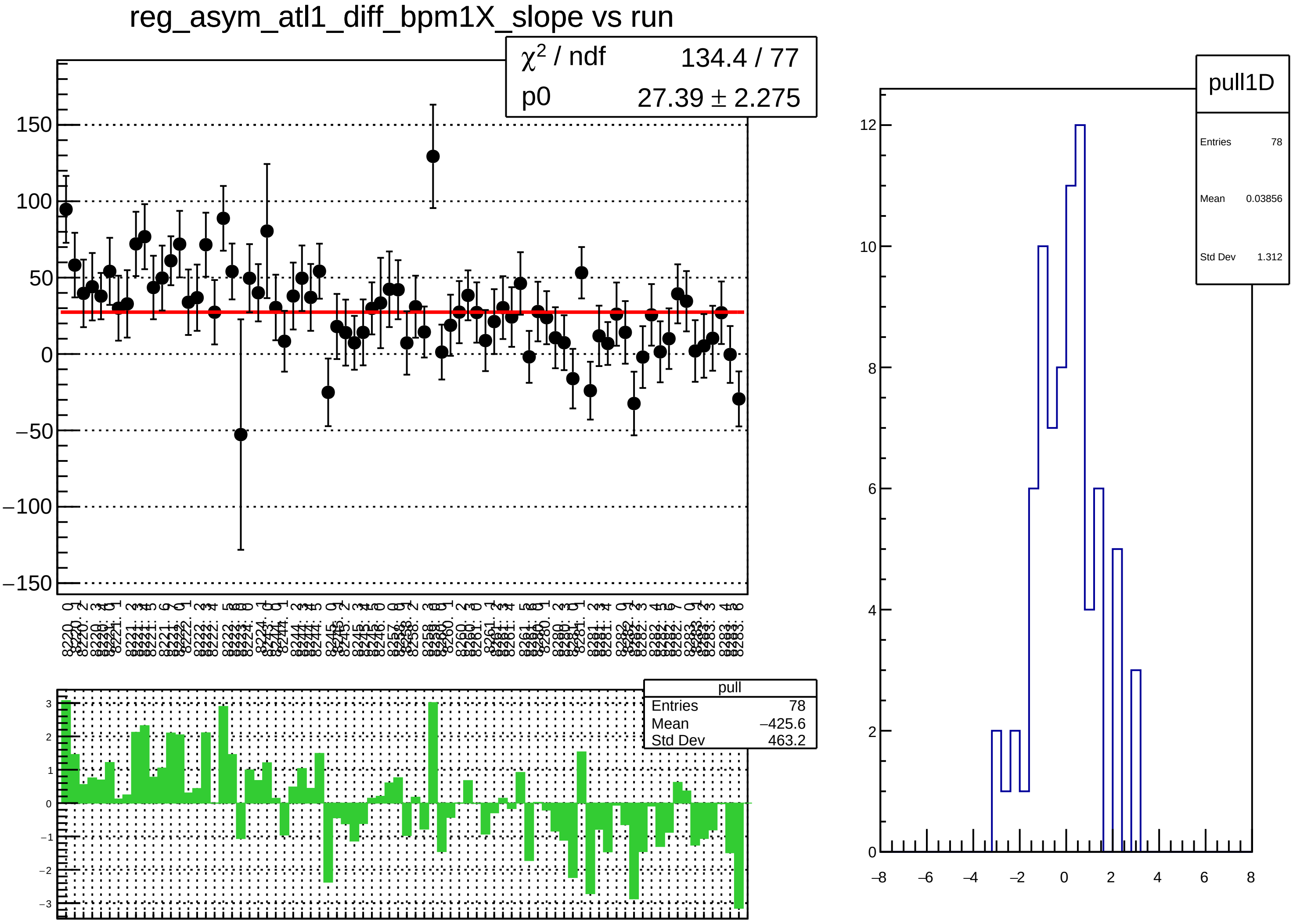

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.325 / 77
p0 11.7 ± 2.863
pull
Entries 78
Mean 209.1
Std Dev 161.1
pull1D
Entries 78
Mean 0.006103
Std Dev 0.1725


reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 19.25 / 77
p0 −68.55 ± 1.608
pull
Entries 78
Mean −278.6
Std Dev 310.5
pull1D
Entries 78
Mean 0.01113
Std Dev 0.4967

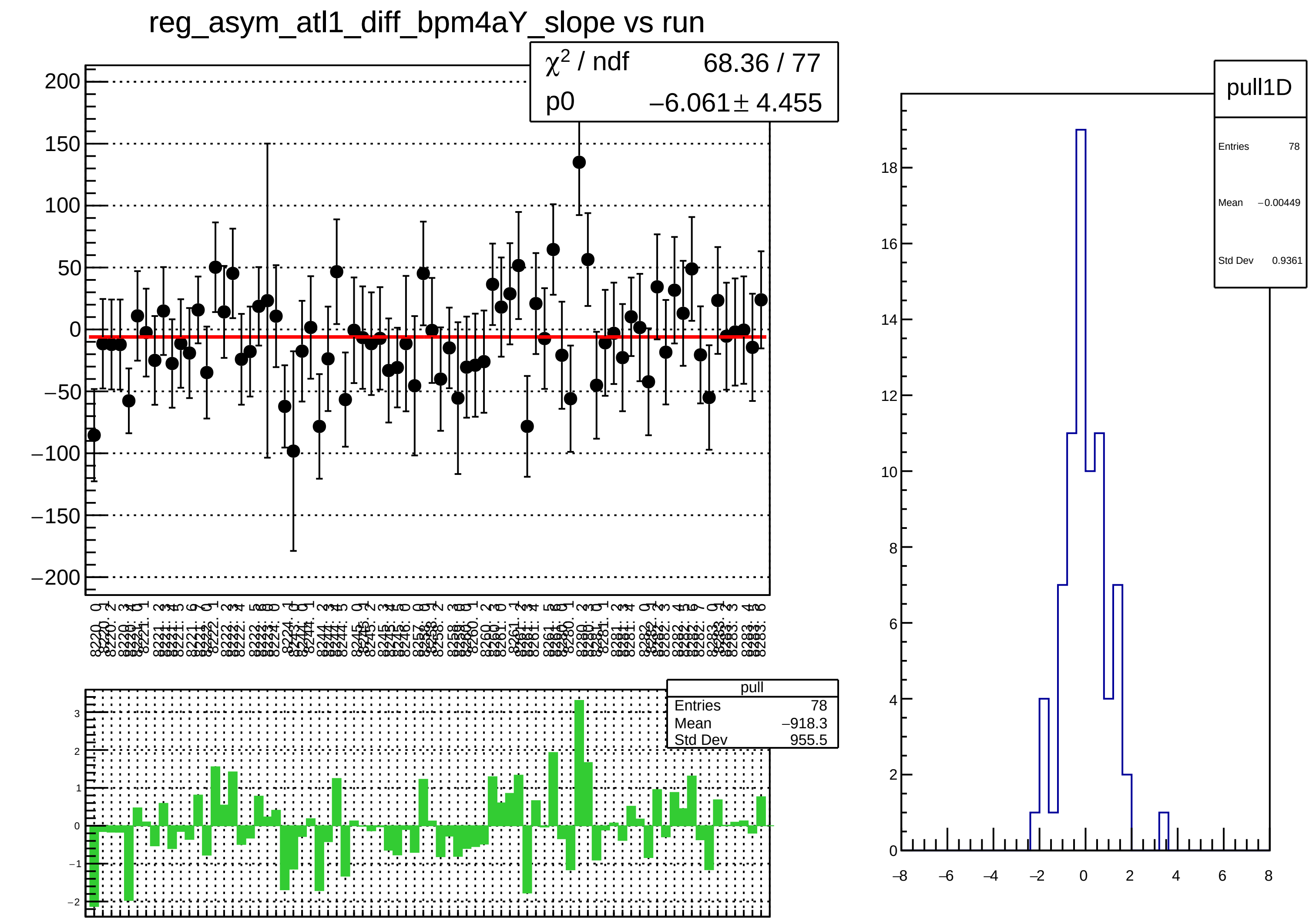

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.388 / 77
p0 25.48 ± 3.019
pull
Entries 78
Mean 250.8
Std Dev 207.9
pull1D
Entries 78
Mean −0.007754
Std Dev 0.1748



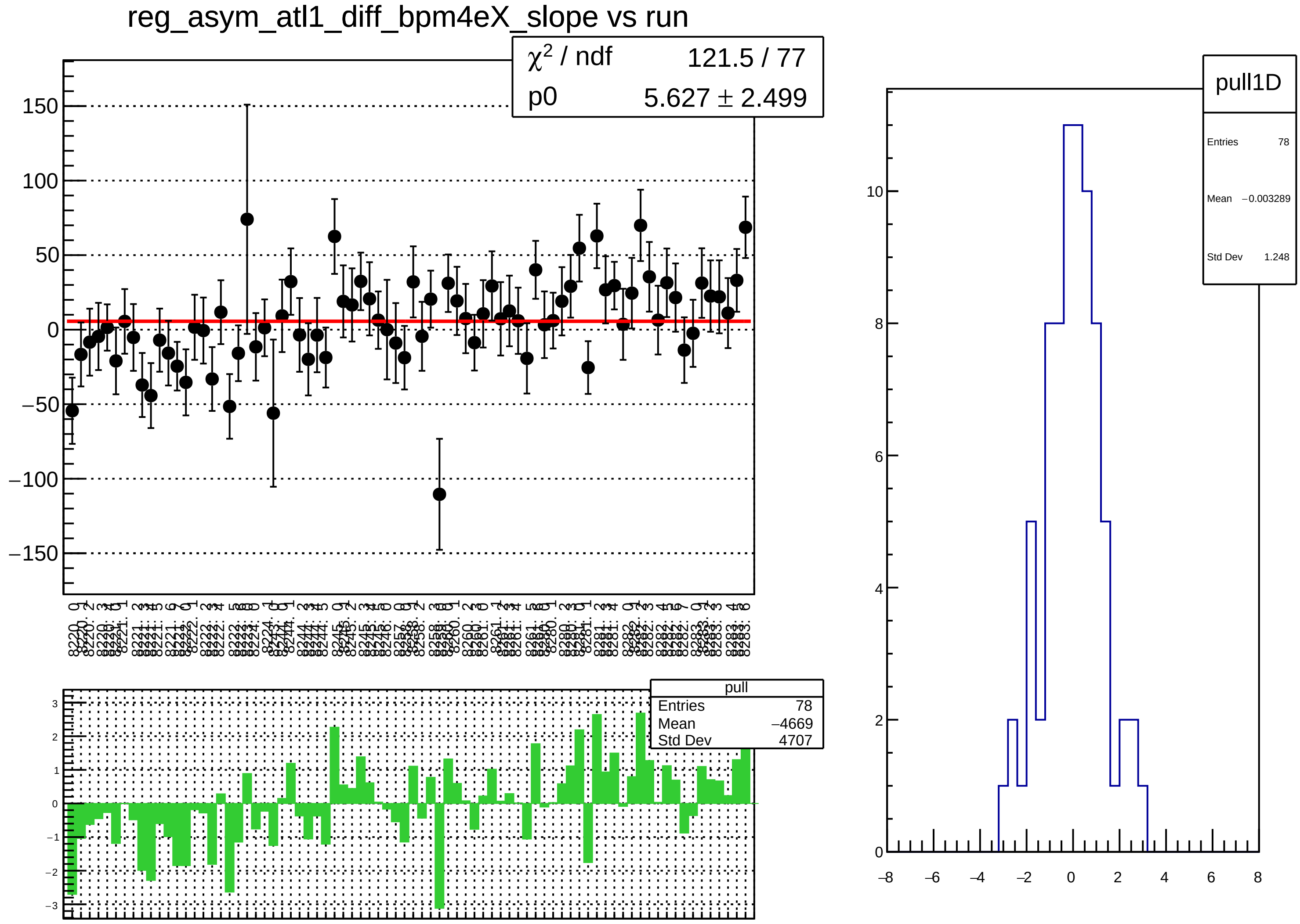
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 36.49 / 77
p0 0.4114 ± 0.1519
pull
Entries 78
Mean 61.84
Std Dev 9.746
pull1D
Entries 78
Mean 0.06661
Std Dev 0.6807



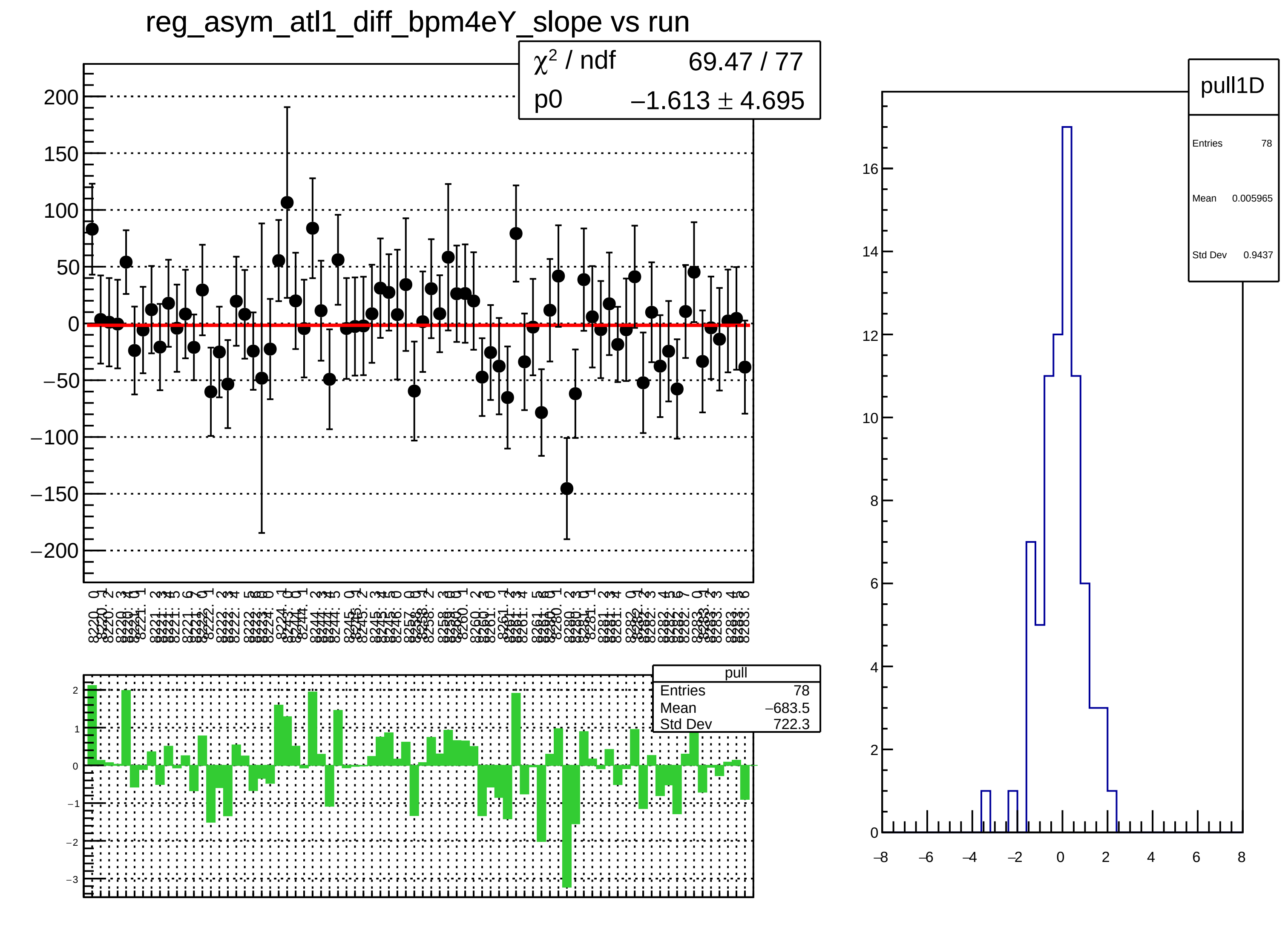
reg_asym_atl1_diff_bpm1X_slope vs run
χ2 / ndf 134.4 / 77
p0 27.39 ± 2.275
pull
Entries 78
Mean −425.6
Std Dev 463.2
pull1D
Entries 78
Mean 0.03856
Std Dev 1.312



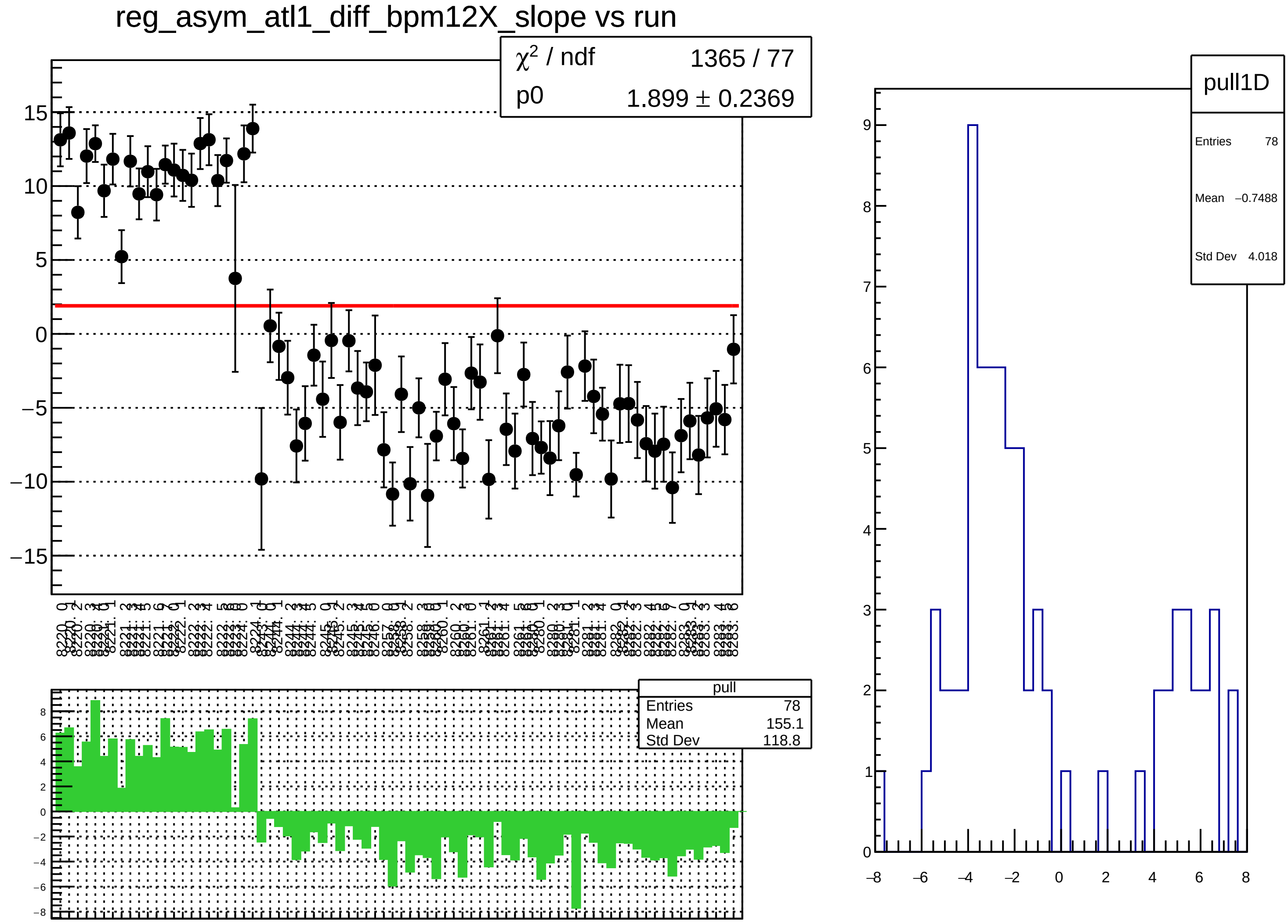
reg_asym_atl1_diff_bpm4aY_slope vs run
χ2 / ndf 68.36 / 77
p0 −6.061 ± 4.455
pull
Entries 78
Mean −918.3
Std Dev 955.5
pull1D
Entries 78
Mean −0.00449
Std Dev 0.9361

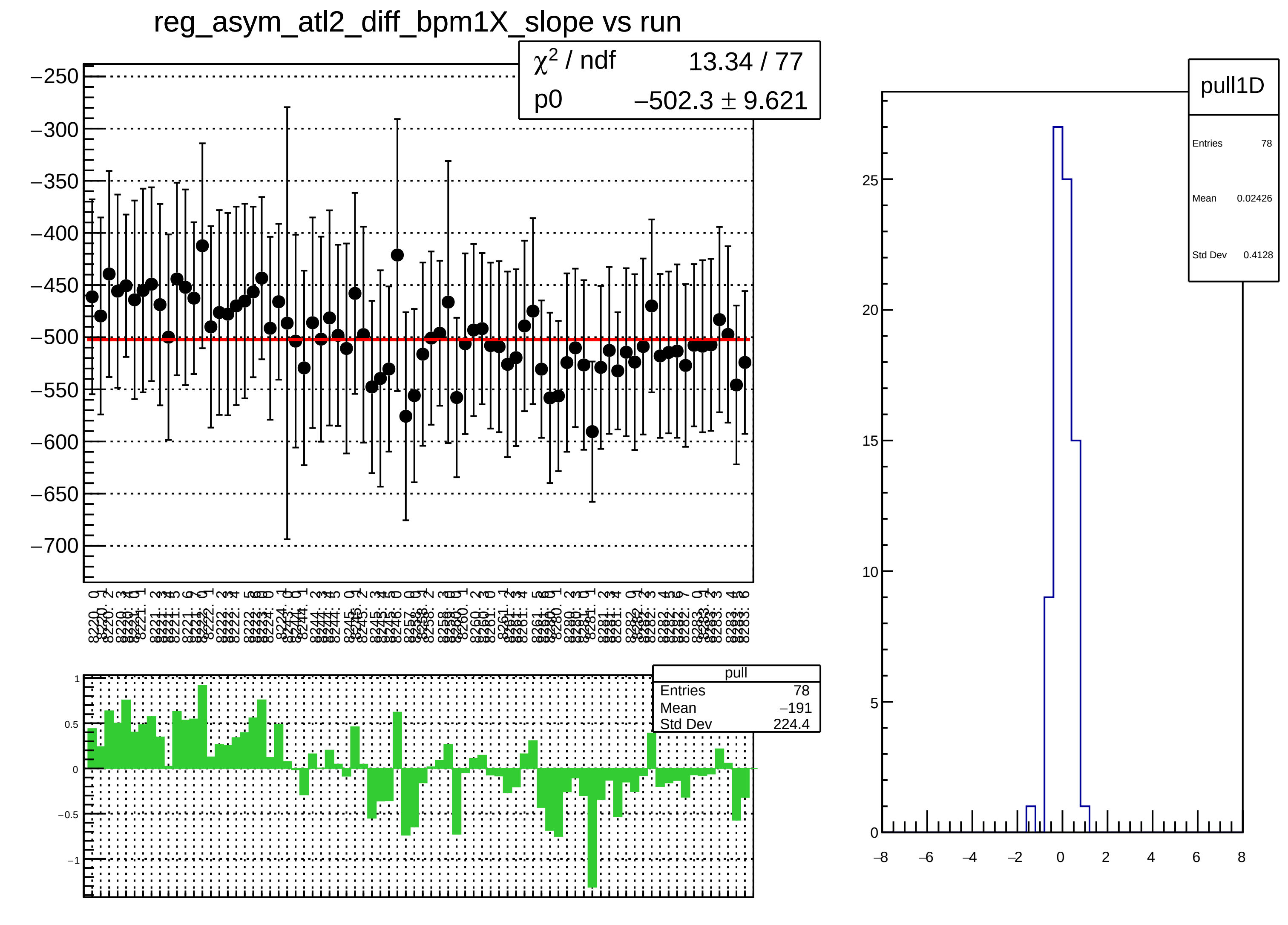


reg_asym_atl1_diff_bpm4eX_slope vs run
χ2 / ndf 121.5 / 77
p0 5.627 ± 2.499
pull
Entries 78
Mean −4669
Std Dev 4707
pull1D
Entries 78
Mean −0.003289
Std Dev 1.248

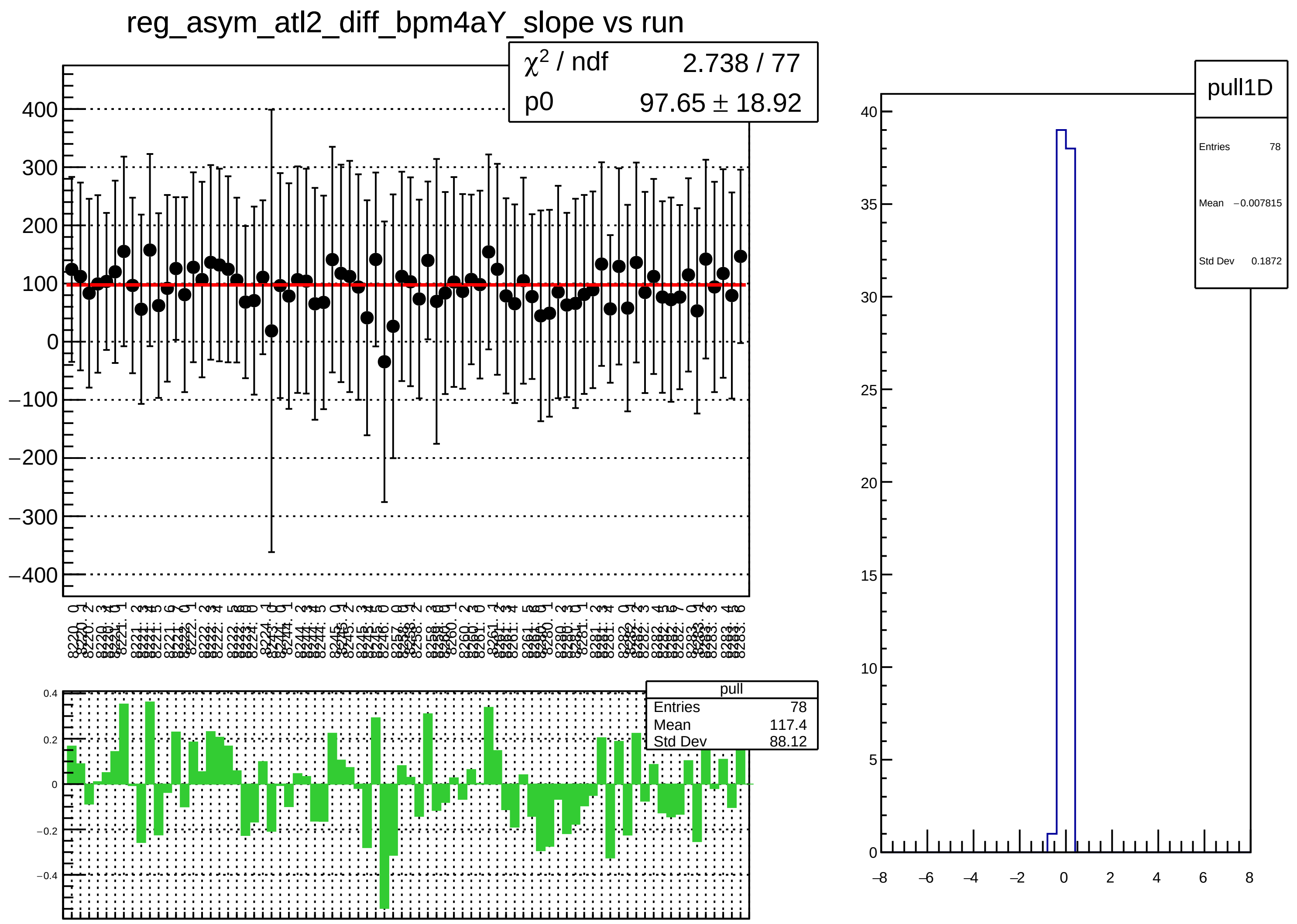


reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 69.47 / 77
p0 −1.613 ± 4.695
pull
Entries 78
Mean −683.5
Std Dev 722.3
pull1D
Entries 78
Mean 0.005965
Std Dev 0.9437

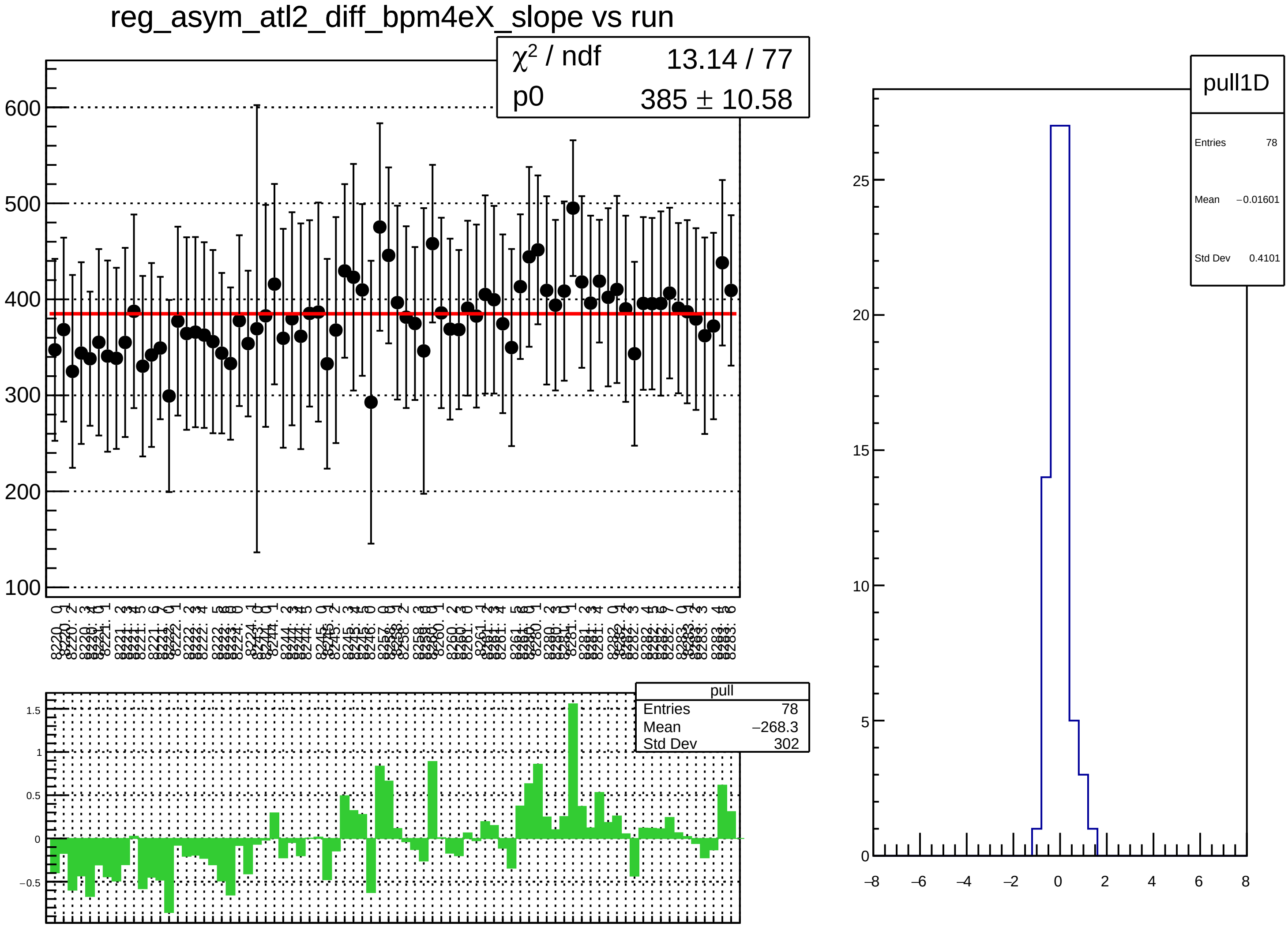

reg_asym_atl1_diff_bpm12X_slope vs run
χ2 / ndf 1365 / 77
p0 1.899 ± 0.2369
pull
Entries 78
Mean 155.1
Std Dev 118.8
pull1D
Entries 78
Mean −0.7488
Std Dev 4.018



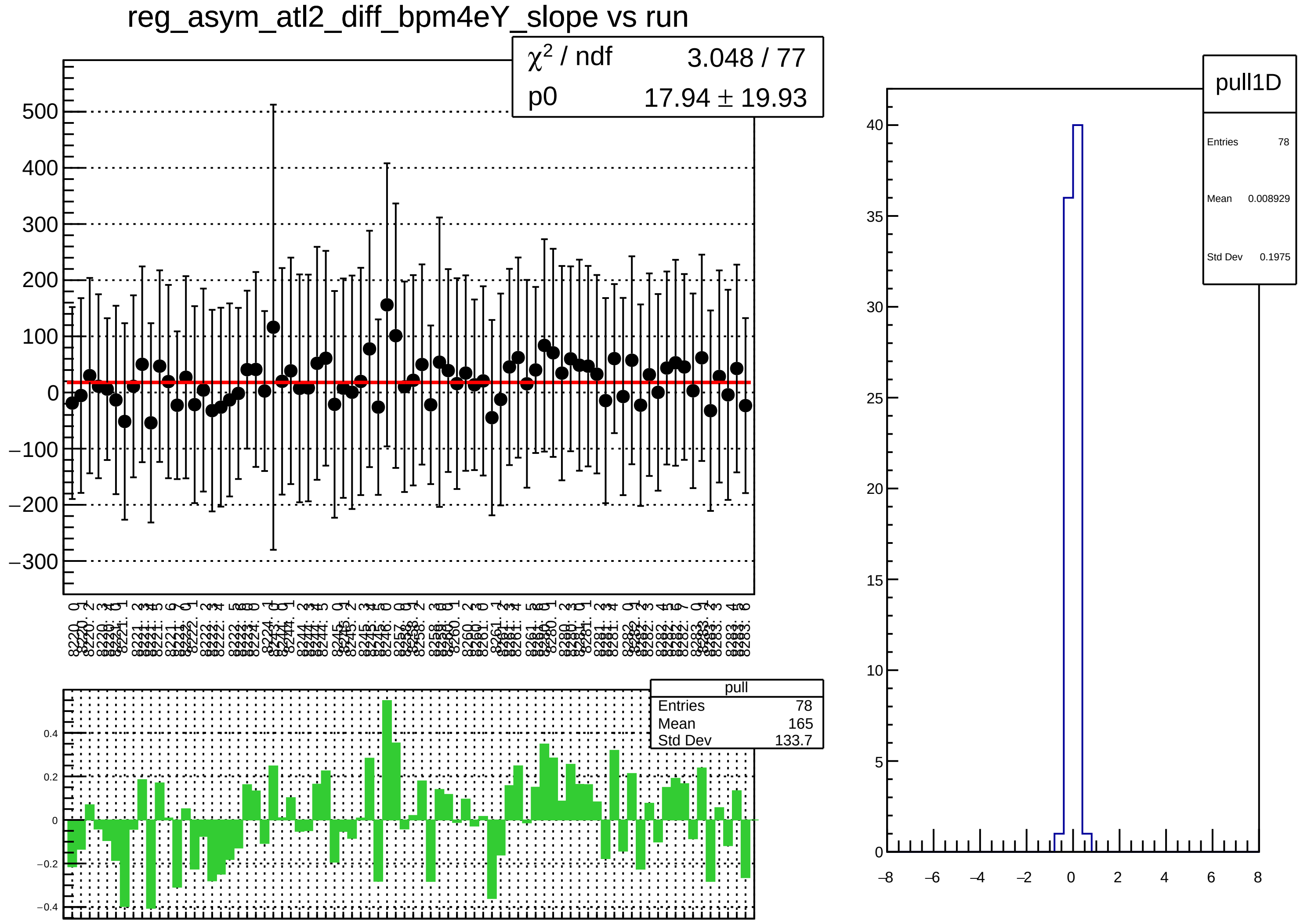
reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 13.34 / 77
p0 −502.3 ± 9.621
pull
Entries 78
Mean −191
Std Dev 224.4
pull1D
Entries 78
Mean 0.02426
Std Dev 0.4128



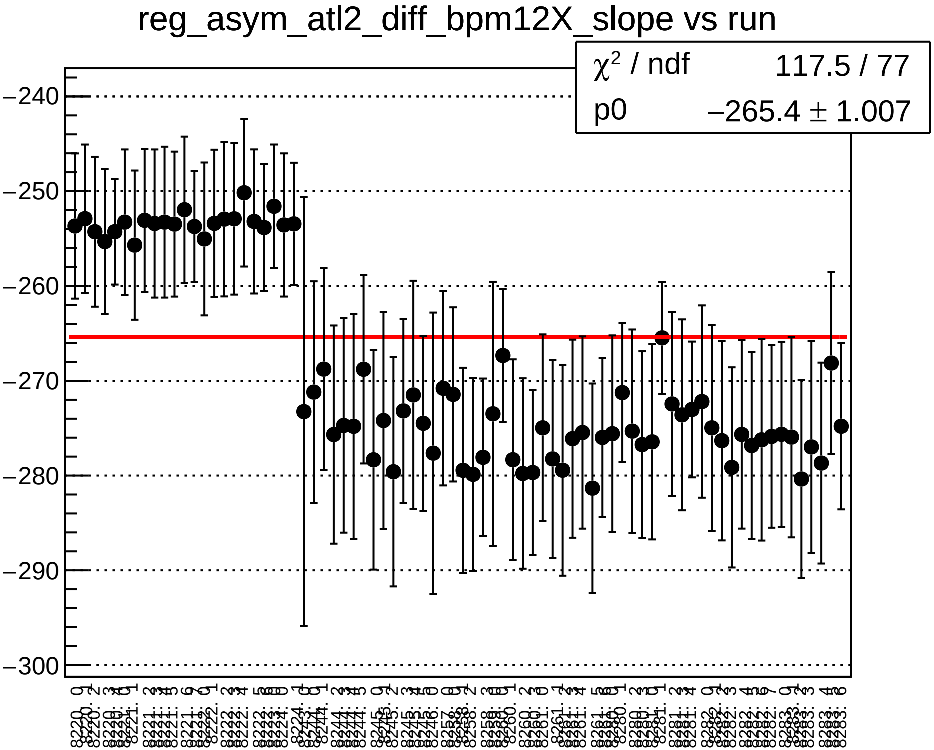
reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 2.738 / 77
p0 97.65 ± 18.92
pull
Entries 78
Mean 117.4
Std Dev 88.12
pull1D
Entries 78
Mean −0.007815
Std Dev 0.1872

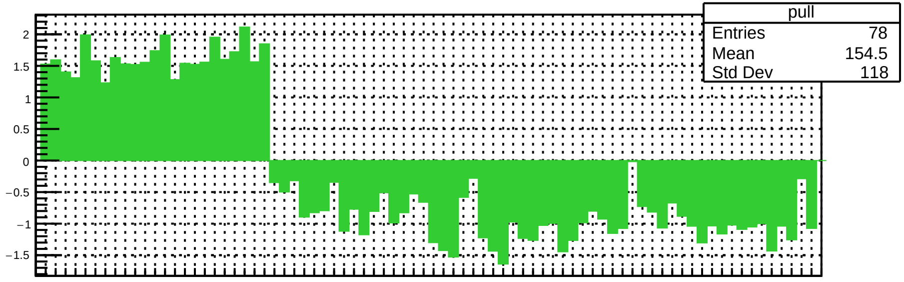


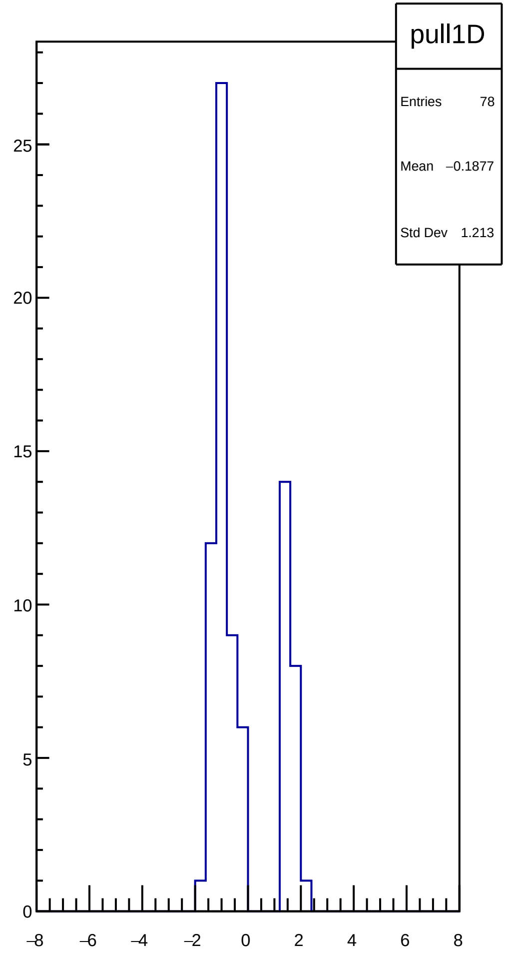
reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 13.14 / 77
p0 385 ± 10.58
pull
Entries 78
Mean −268.3
Std Dev 302
pull1D
Entries 78
Mean −0.01601
Std Dev 0.4101

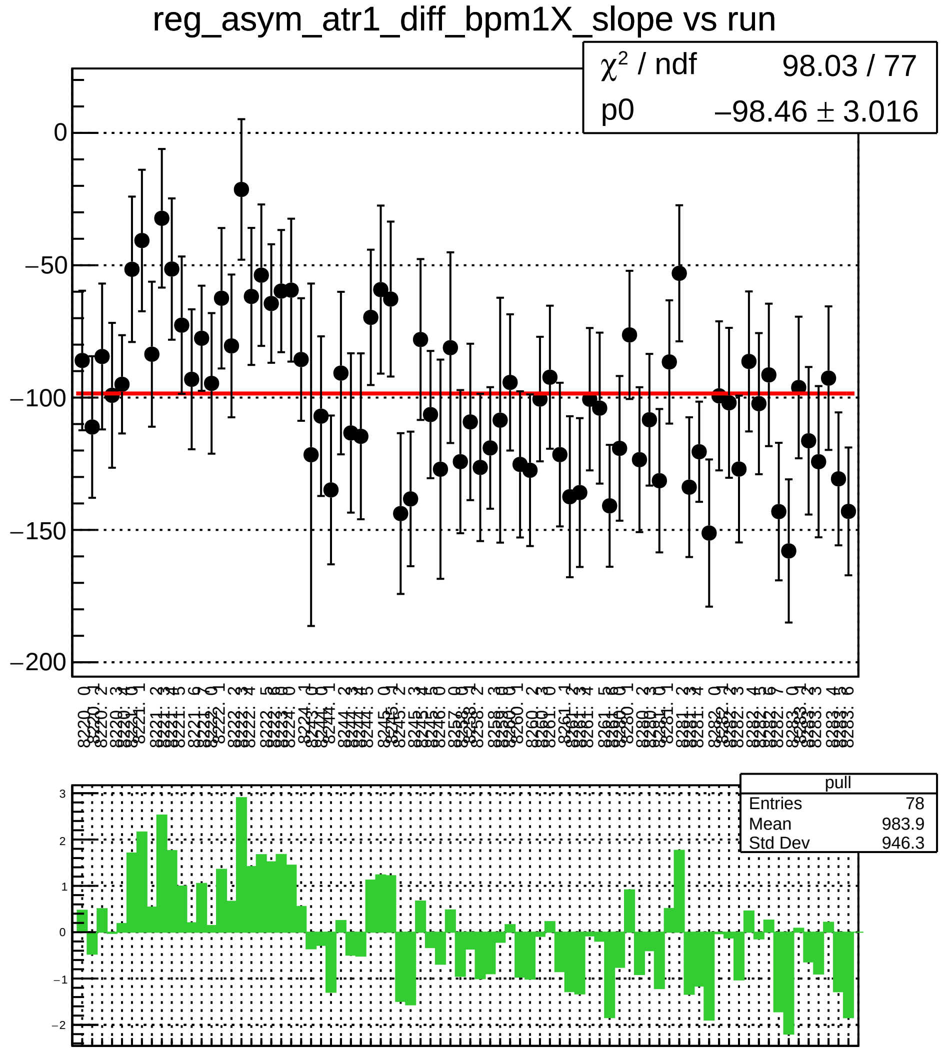


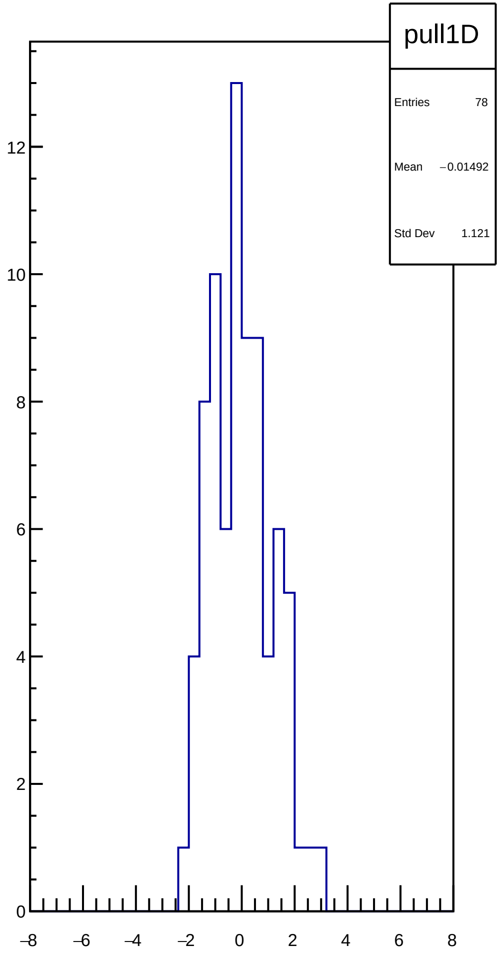
reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 3.048 / 77
p0 17.94 ± 19.93
pull
Entries 78
Mean 165
Std Dev 133.7
pull1D
Entries 78
Mean 0.008929
Std Dev 0.1975

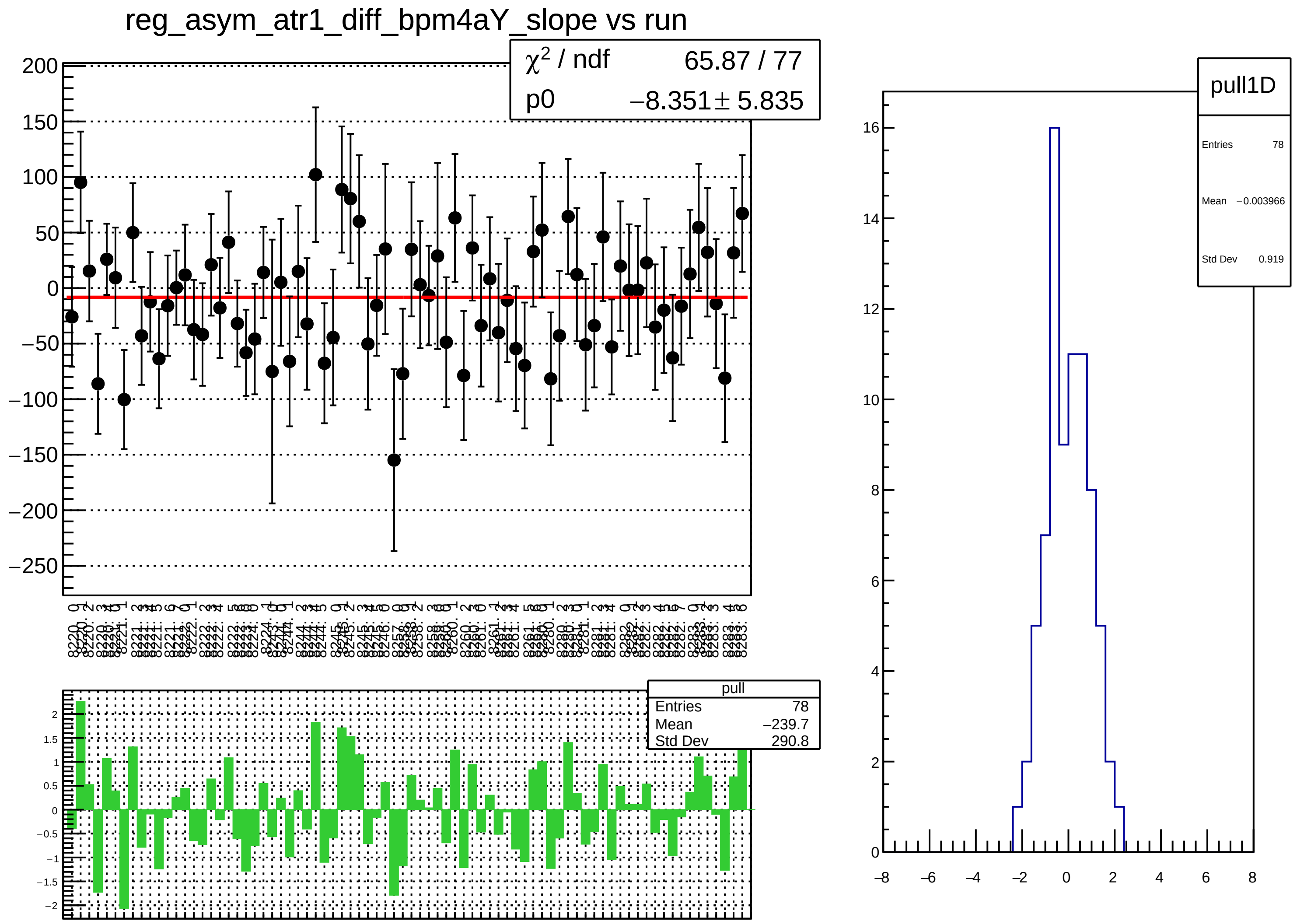

reg_asym_atl2_diff_bpm12X_slope vs run
χ2 / ndf 117.5 / 77
p0 −265.4 ± 1.007
−240
−250
−260
−270
−280
−290
−300

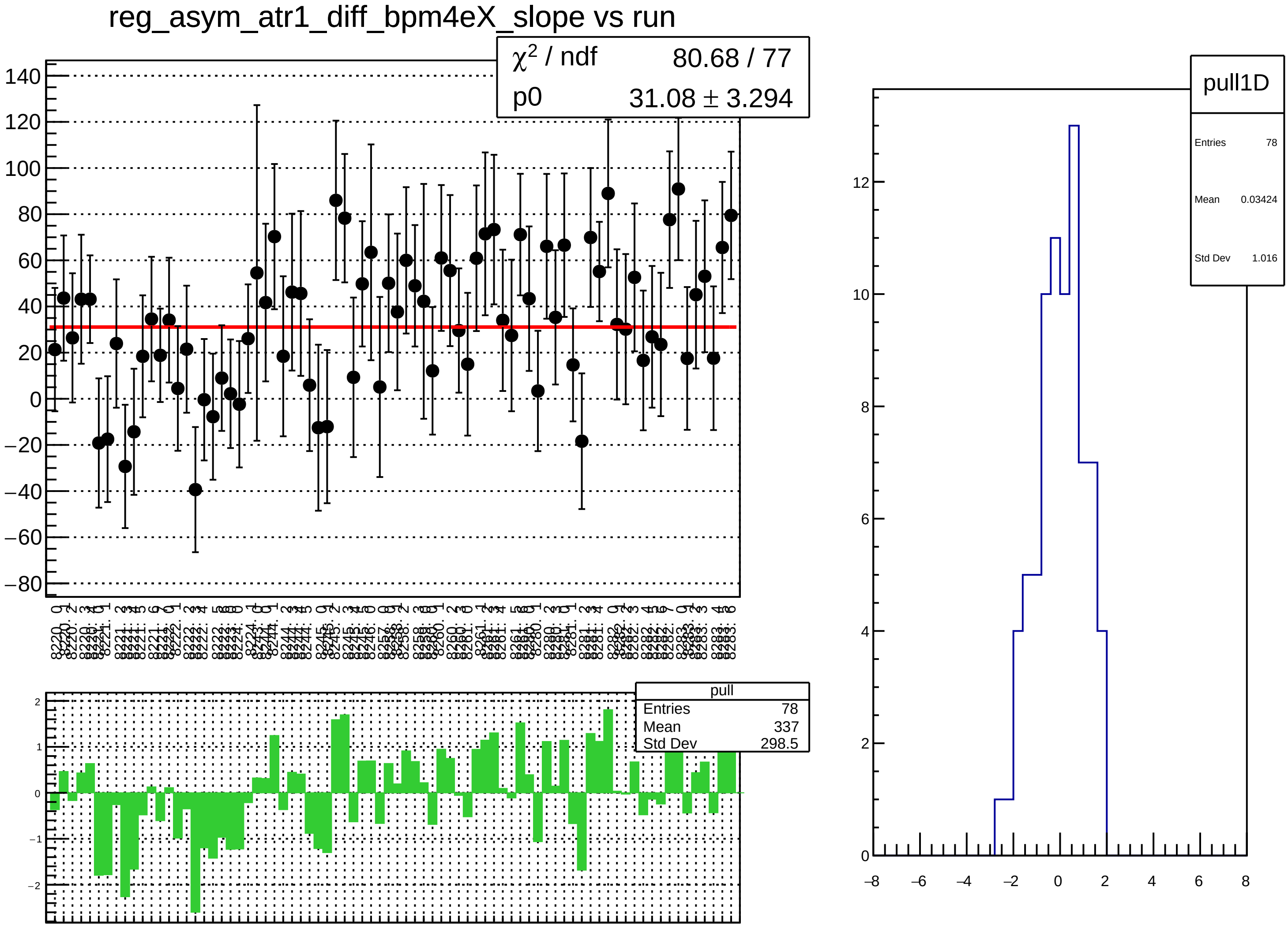

pull
Entries 78
Mean 154.5
Std Dev 118

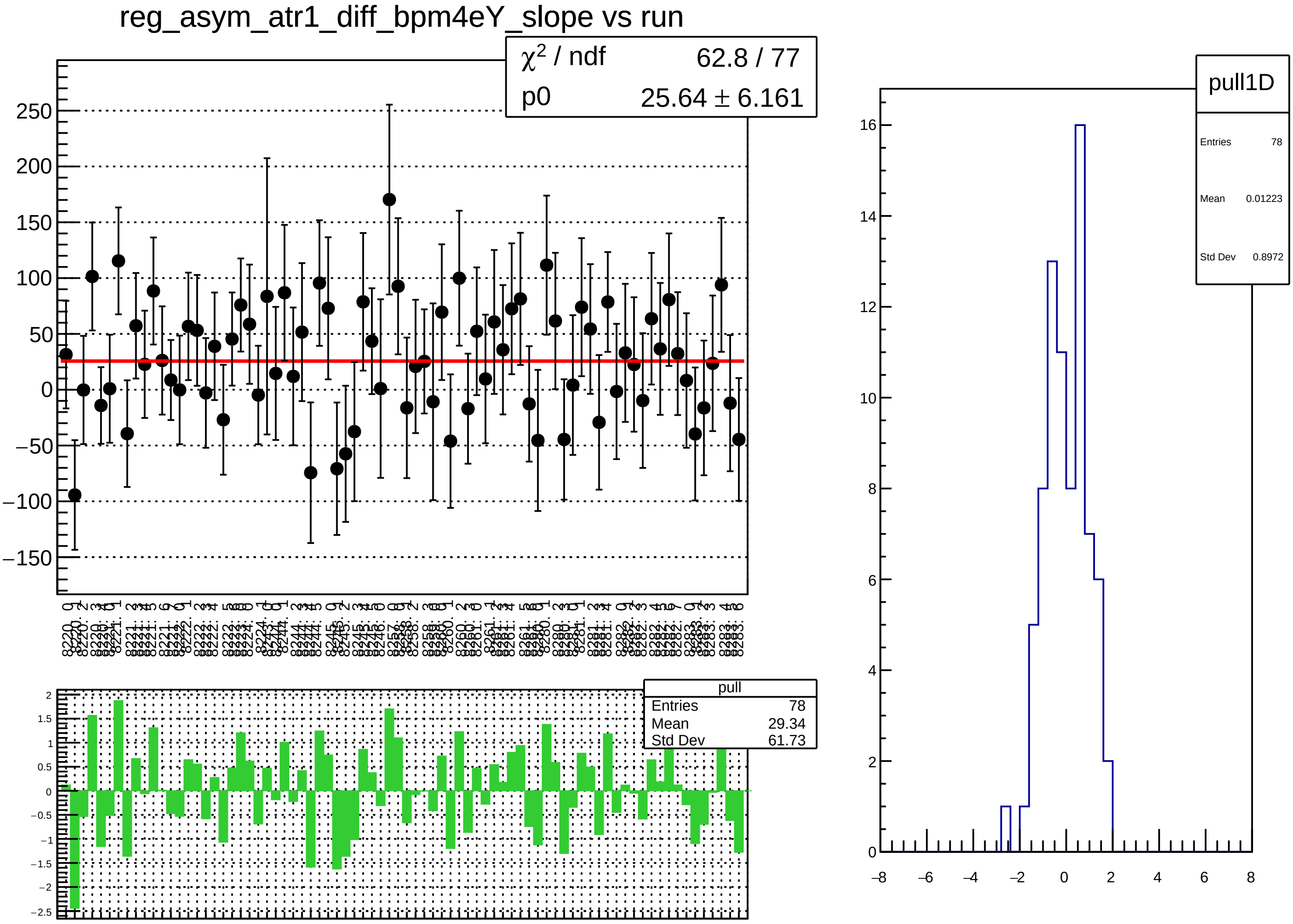

pull1D
Entries 78
Mean −0.1877
Std Dev 1.213


reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 98.03 / 77
p0 −98.46 ± 3.016
0
−50
−100
−150
−200
pull
Entries 78
Mean 983.9
Std Dev 946.3
3
2
1
0
−1
−2

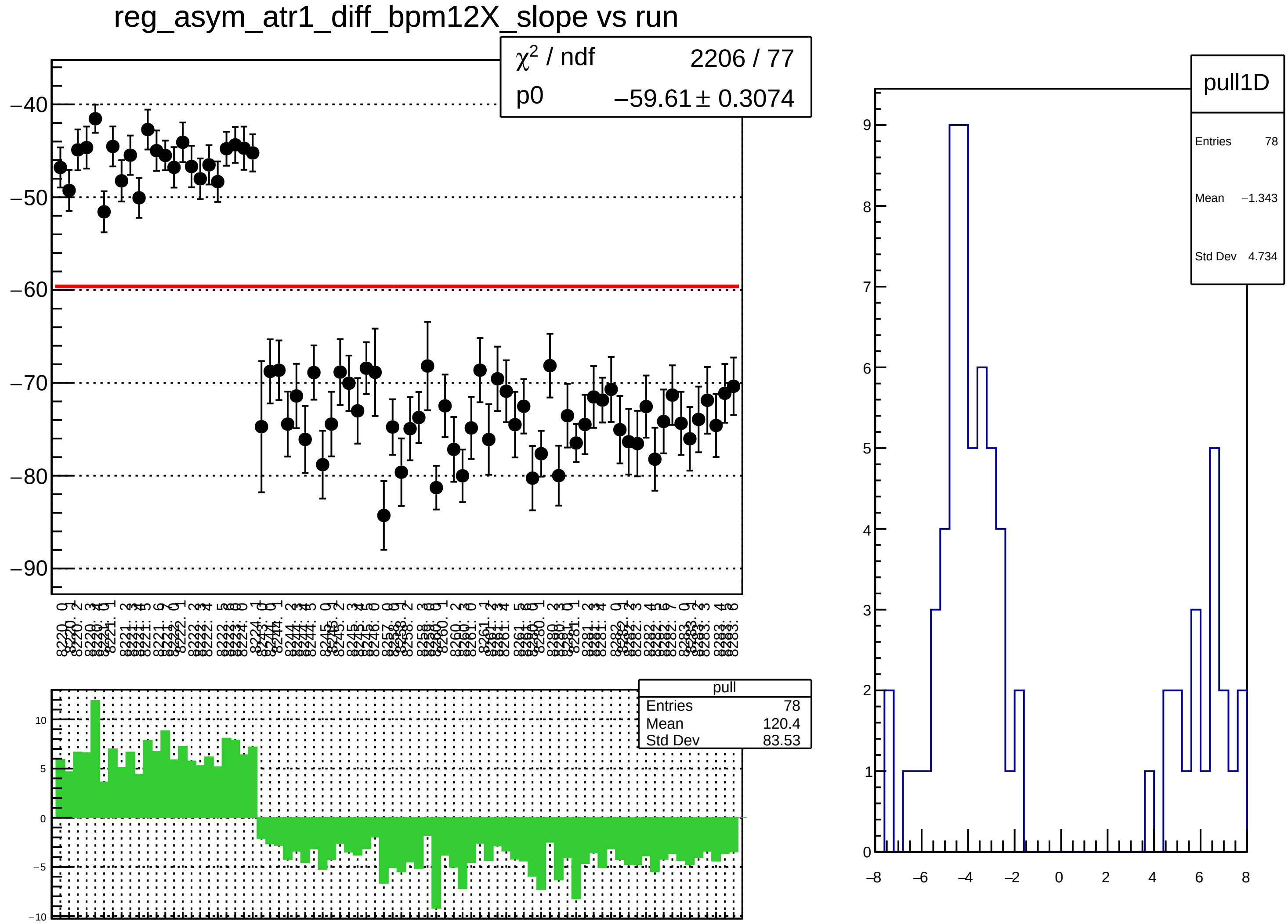

pull1D
Entries 78
Mean −0.01492
Std Dev 1.121
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1_diff_bpm4aY_slope vs run
χ2 / ndf 65.87 / 77
p0 −8.351 ± 5.835
pull
Entries 78
Mean −239.7
Std Dev 290.8
pull1D
Entries 78
Mean −0.003966
Std Dev 0.919

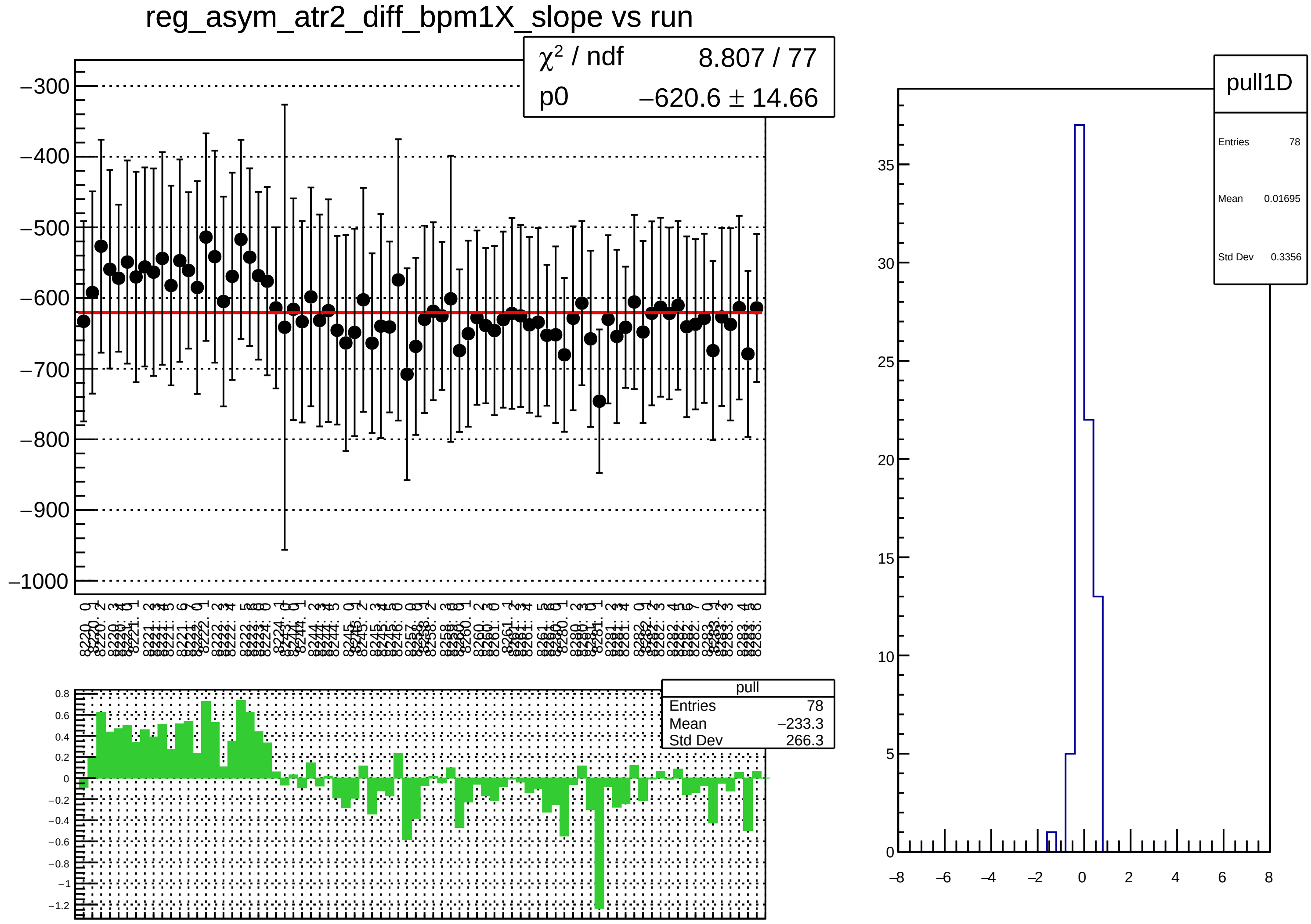

reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 80.68 / 77
p0 31.08 ± 3.294
pull
Entries 78
Mean 337
Std Dev 298.5
pull1D
Entries 78
Mean 0.03424
Std Dev 1.016



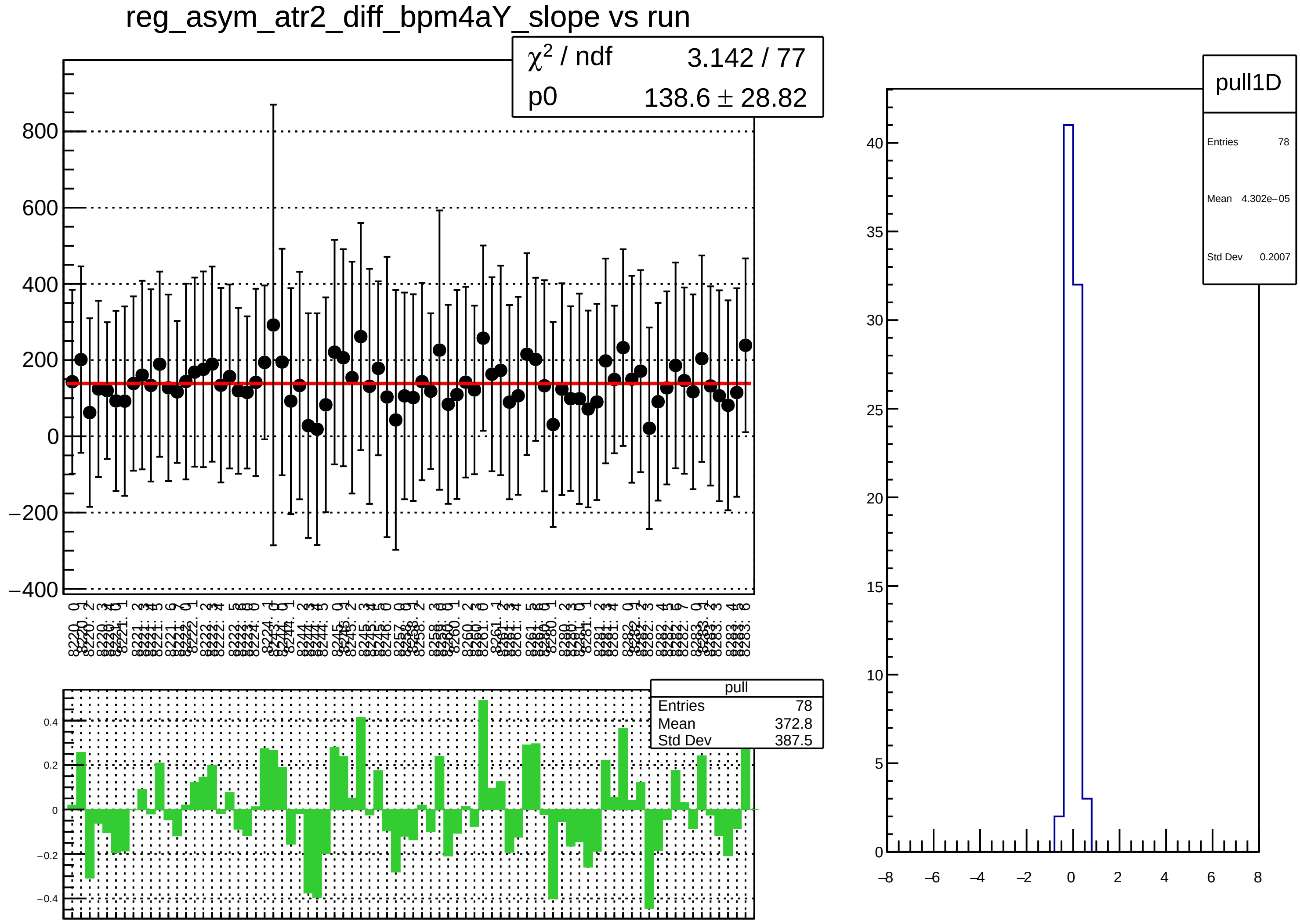
reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 62.8 / 77
p0 25.64 ± 6.161
pull
Entries 78
Mean 29.34
Std Dev 61.73
pull1D
Entries 78
Mean 0.01223
Std Dev 0.8972



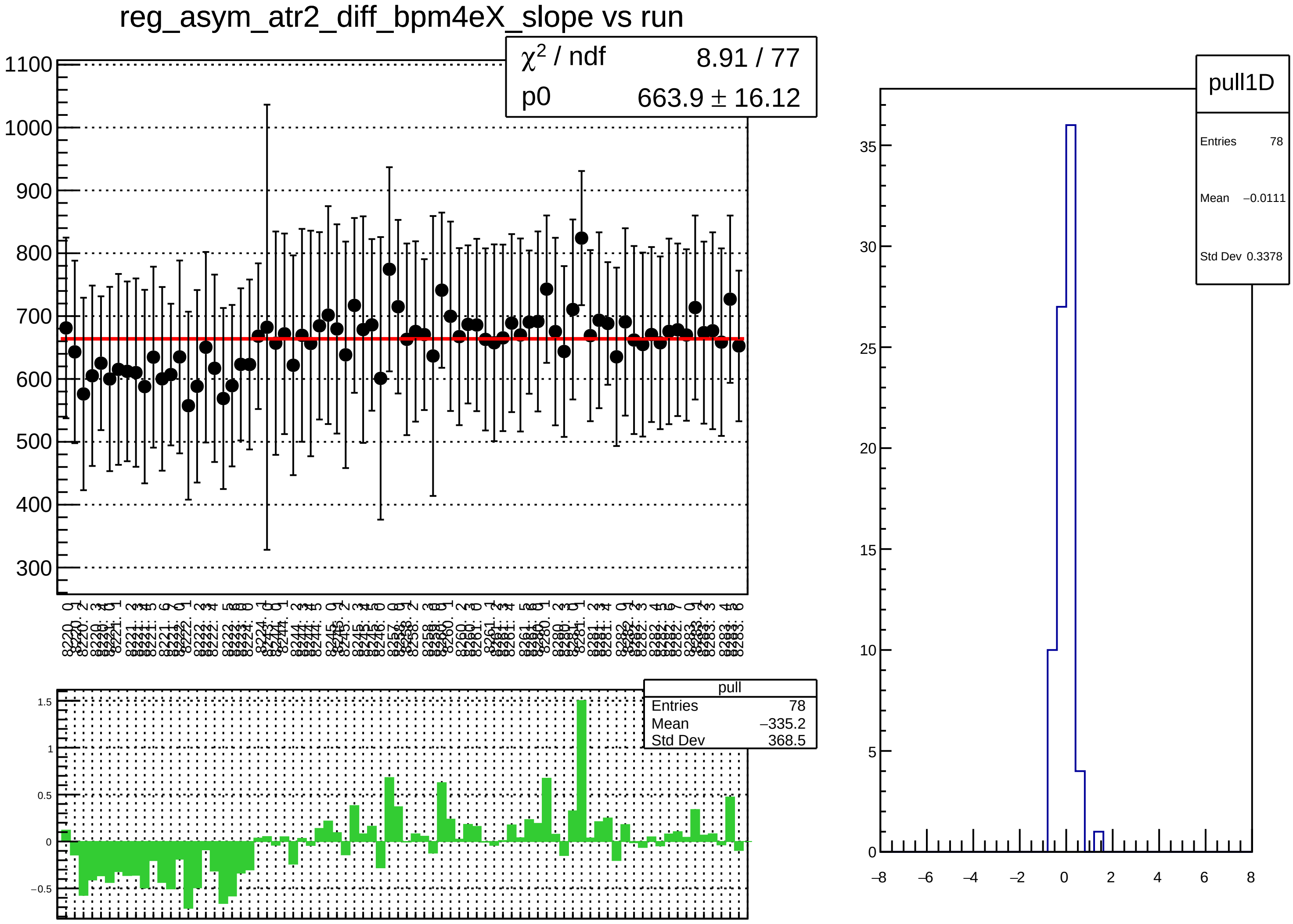
reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 2206 / 77
p0 −59.61 ± 0.3074
pull
Entries 78
Mean 120.4
Std Dev 83.53
pull1D
Entries 78
Mean −1.343
Std Dev 4.734

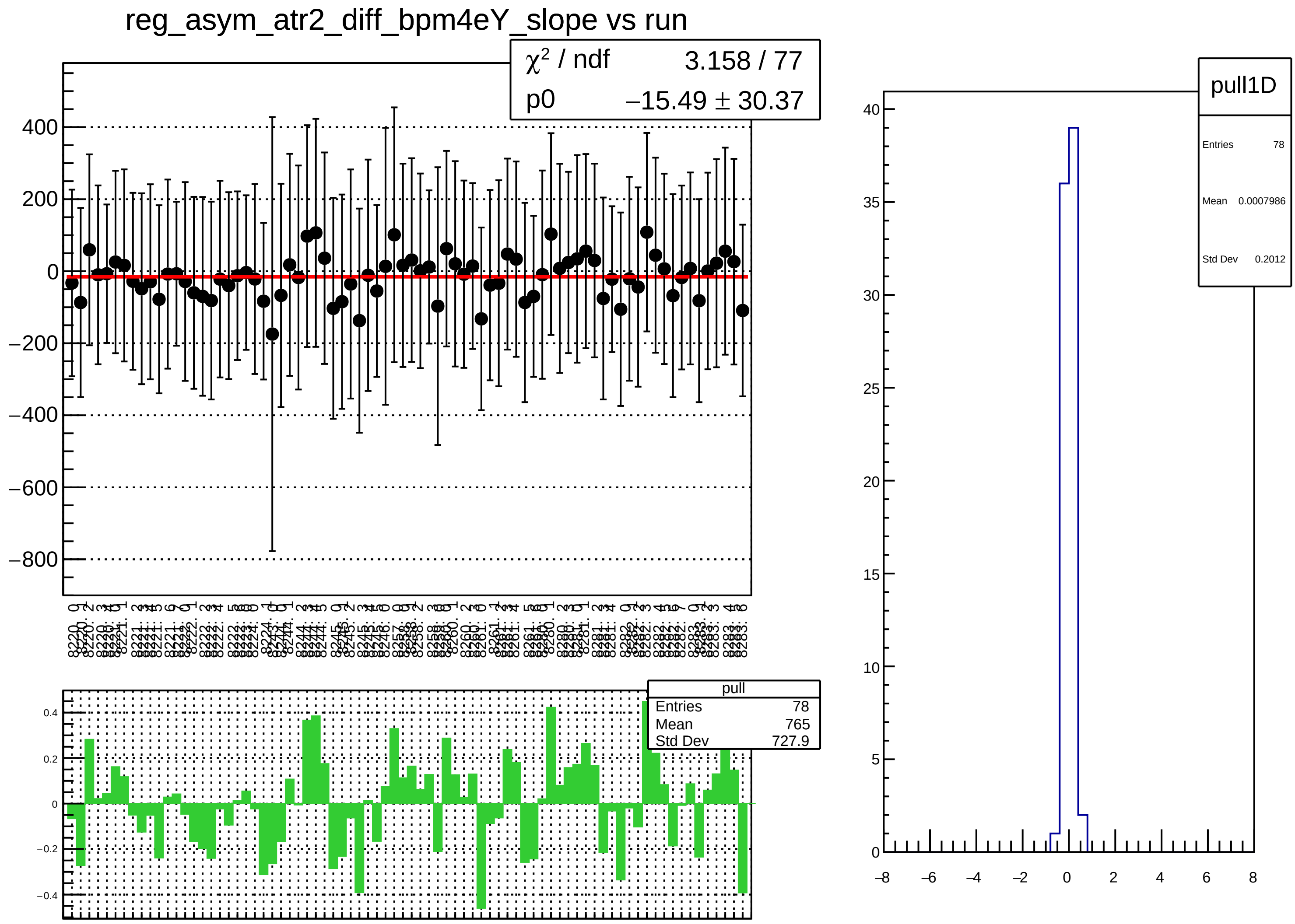


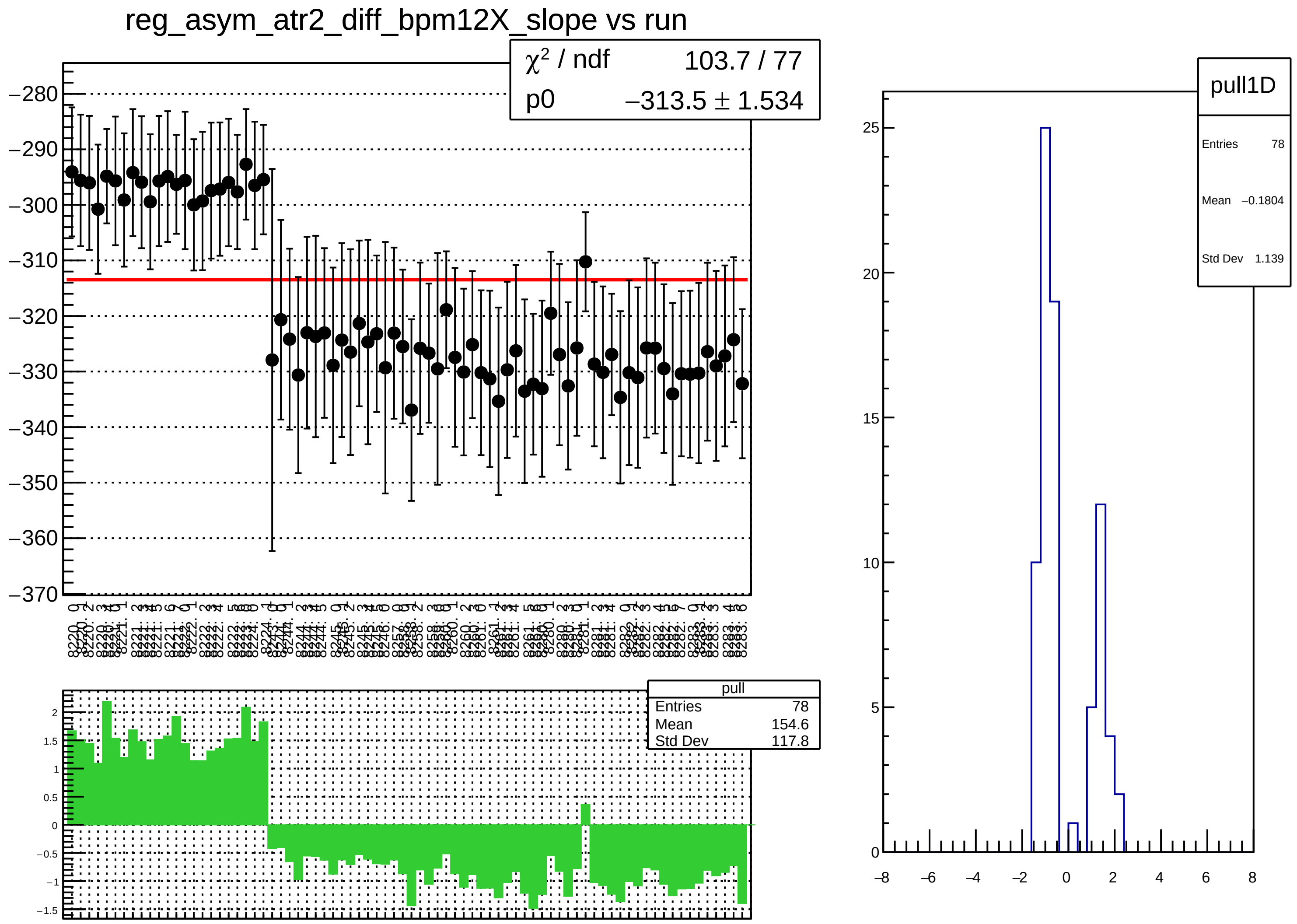
reg_asym_atr2_diff_bpm1X_slope vs run
χ2 / ndf 8.807 / 77
p0 −620.6 ± 14.66
pull
Entries 78
Mean −233.3
Std Dev 266.3
pull1D
Entries 78
Mean 0.01695
Std Dev 0.3356

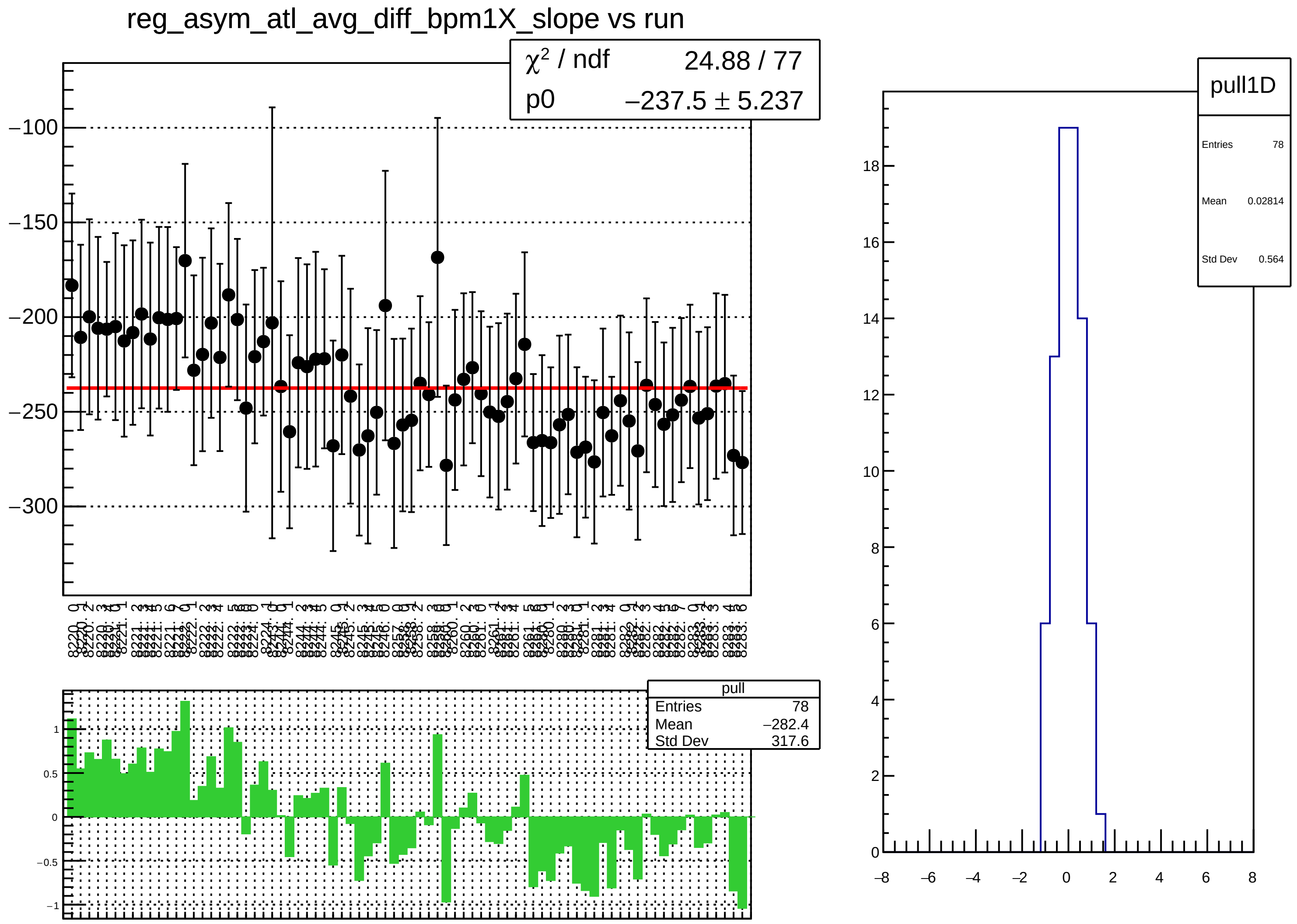


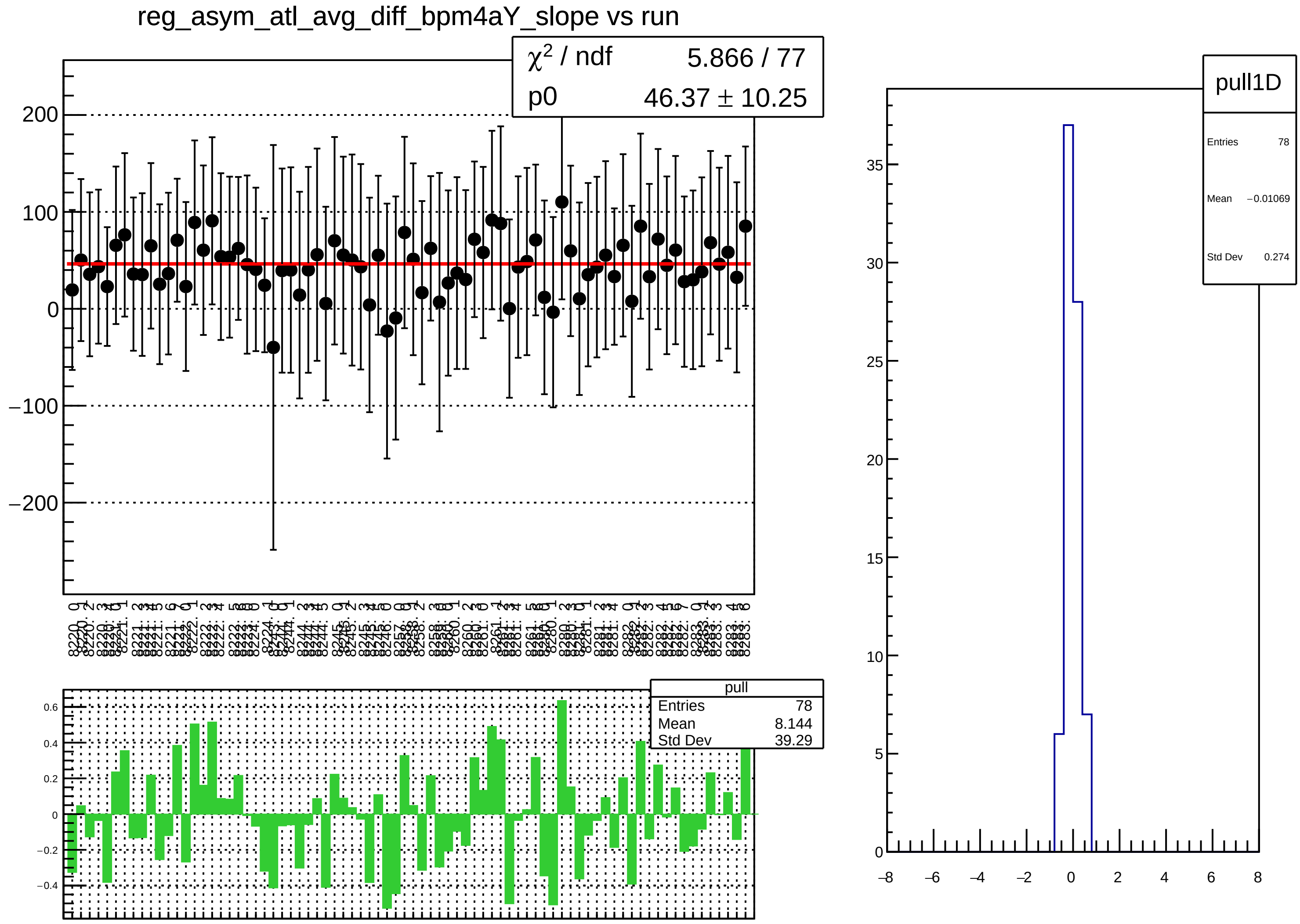
reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 3.142 / 77
p0 138.6 ± 28.82
pull
Entries 78
Mean 372.8
Std Dev 387.5
pull1D
Entries 78
Mean 4.302e−05
Std Dev 0.2007


reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 8.91 / 77
p0 663.9 ± 16.12
pull
Entries 78
Mean −335.2
Std Dev 368.5
pull1D
Entries 78
Mean −0.0111
Std Dev 0.3378

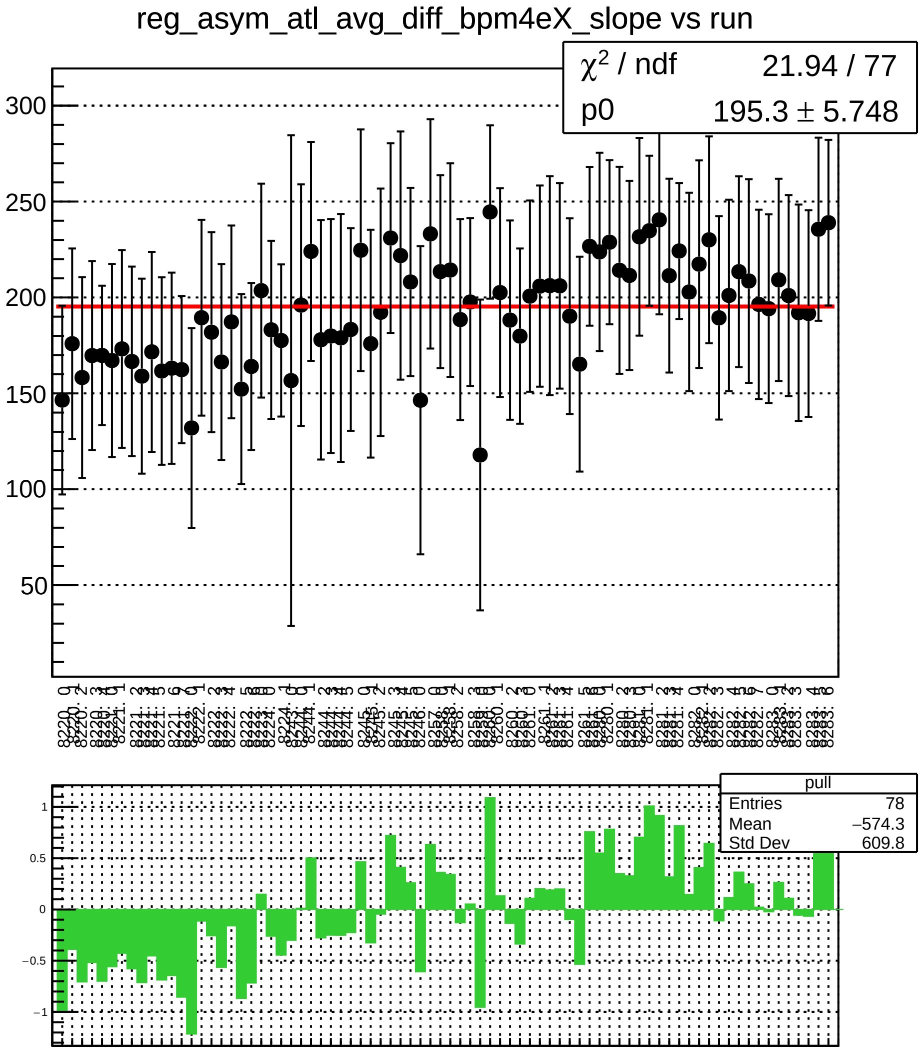

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 3.158 / 77
p0 −15.49 ± 30.37
pull
Entries 78
Mean 765
Std Dev 727.9
pull1D
Entries 78
Mean 0.0007986
Std Dev 0.2012


reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 103.7 / 77
p0 −313.5 ± 1.534
pull
Entries 78
Mean 154.6
Std Dev 117.8
pull1D
Entries 78
Mean −0.1804
Std Dev 1.139

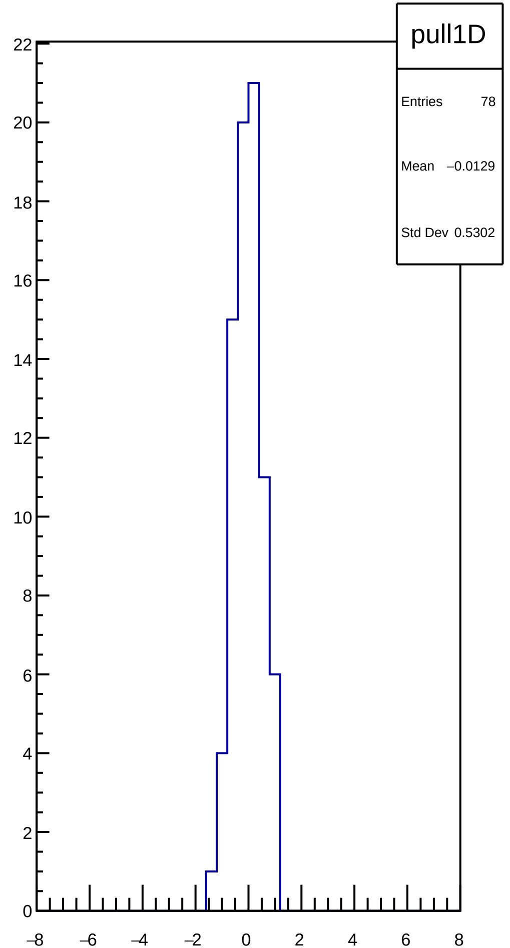

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.88 / 77
p0 −237.5 ± 5.237
pull
Entries 78
Mean −282.4
Std Dev 317.6
pull1D
Entries 78
Mean 0.02814
Std Dev 0.564



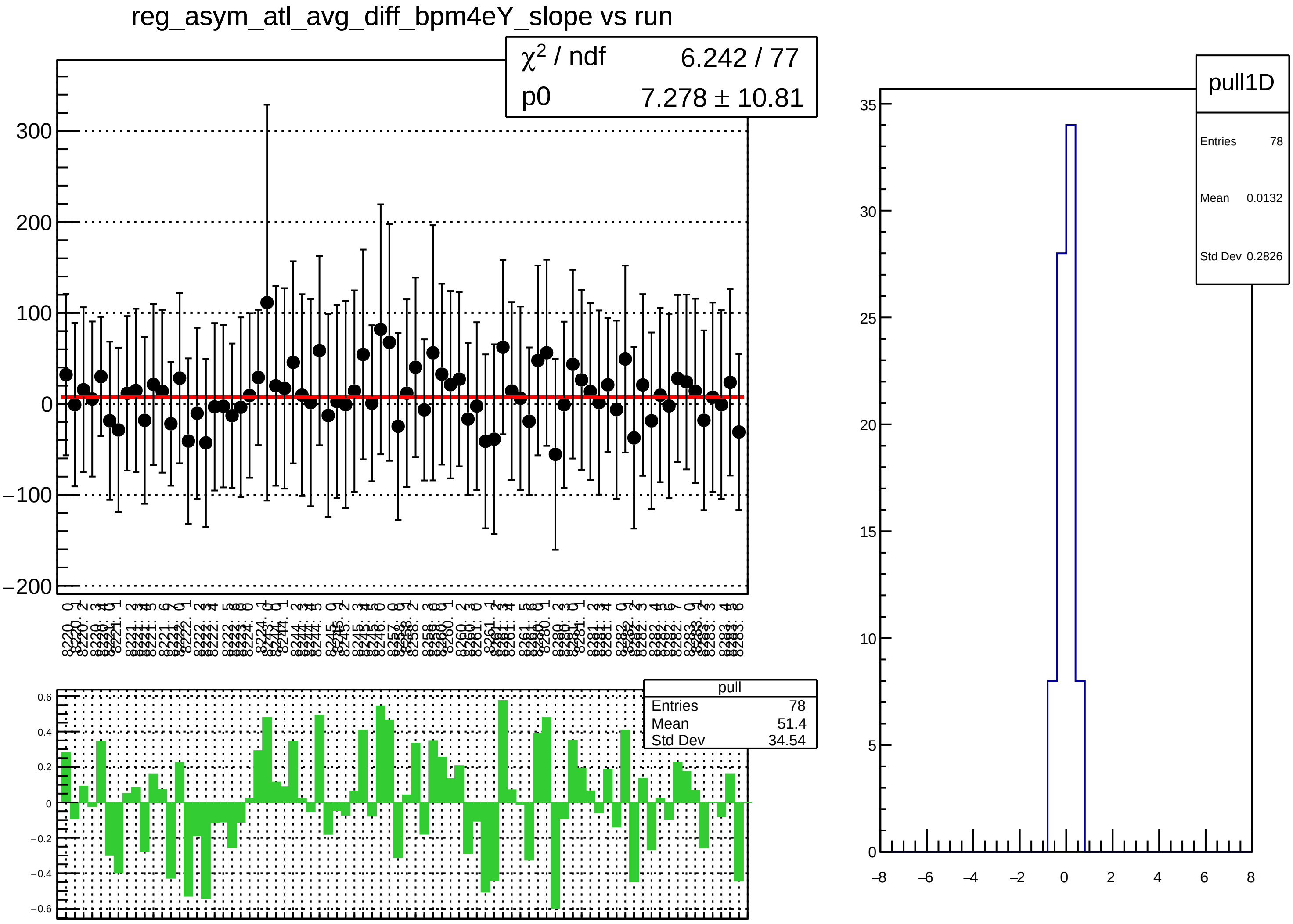
reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 5.866 / 77
p0 46.37 ± 10.25
pull
Entries 78
Mean 8.144
Std Dev 39.29
pull1D
Entries 78
Mean −0.01069
Std Dev 0.274

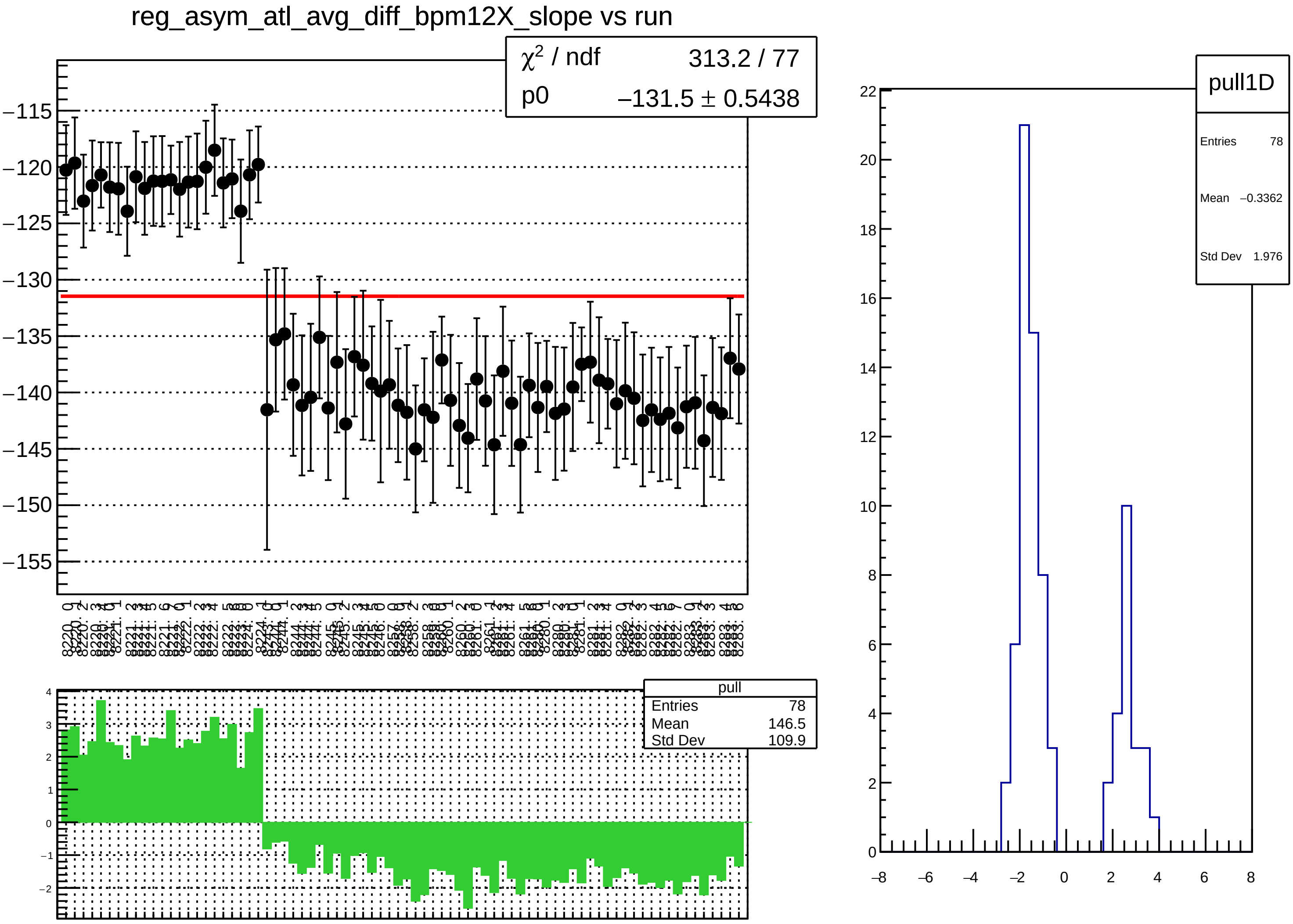


reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 21.94 / 77
p0 195.3 ± 5.748
pull
Entries 78
Mean −574.3
Std Dev 609.8

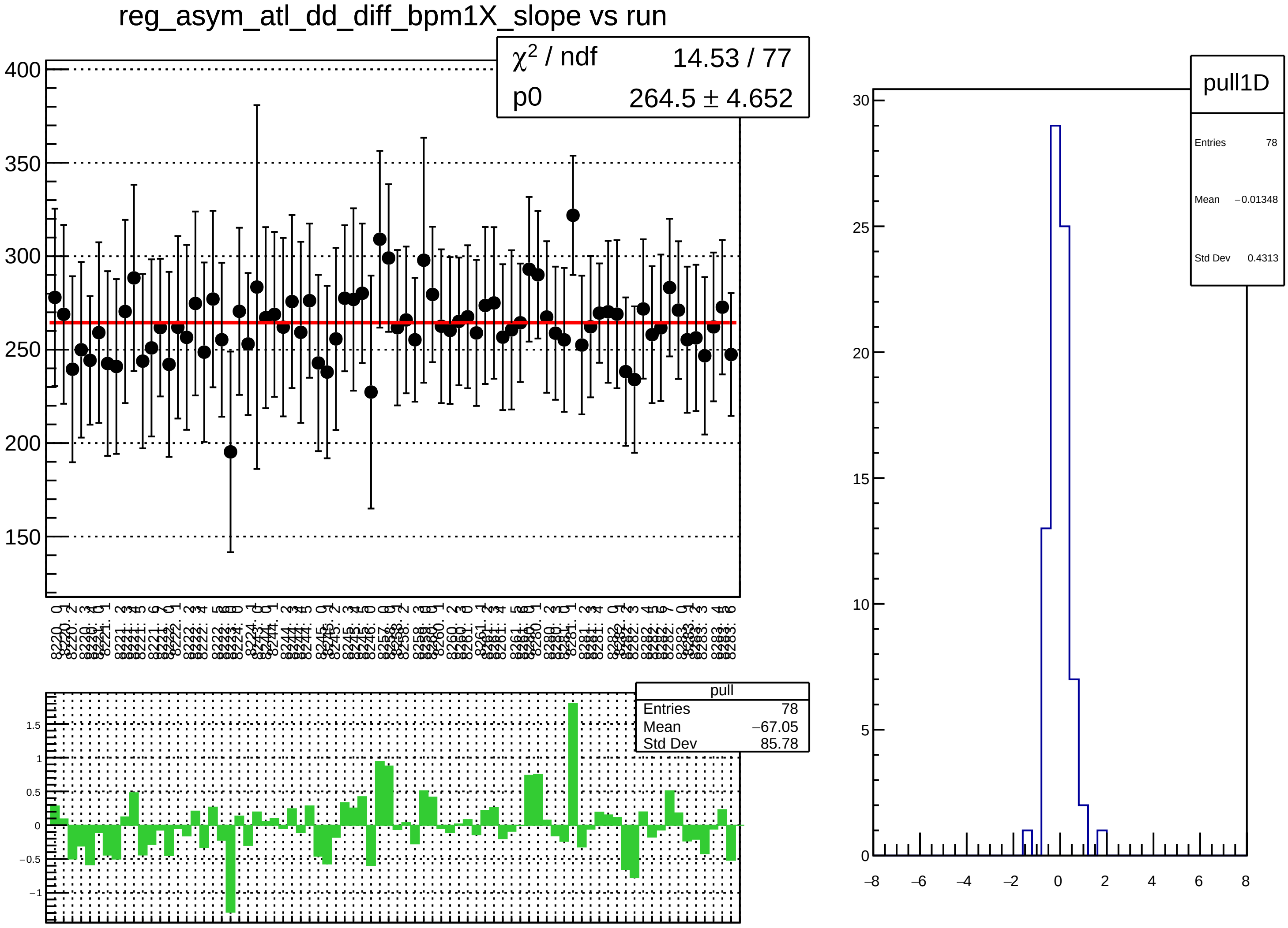


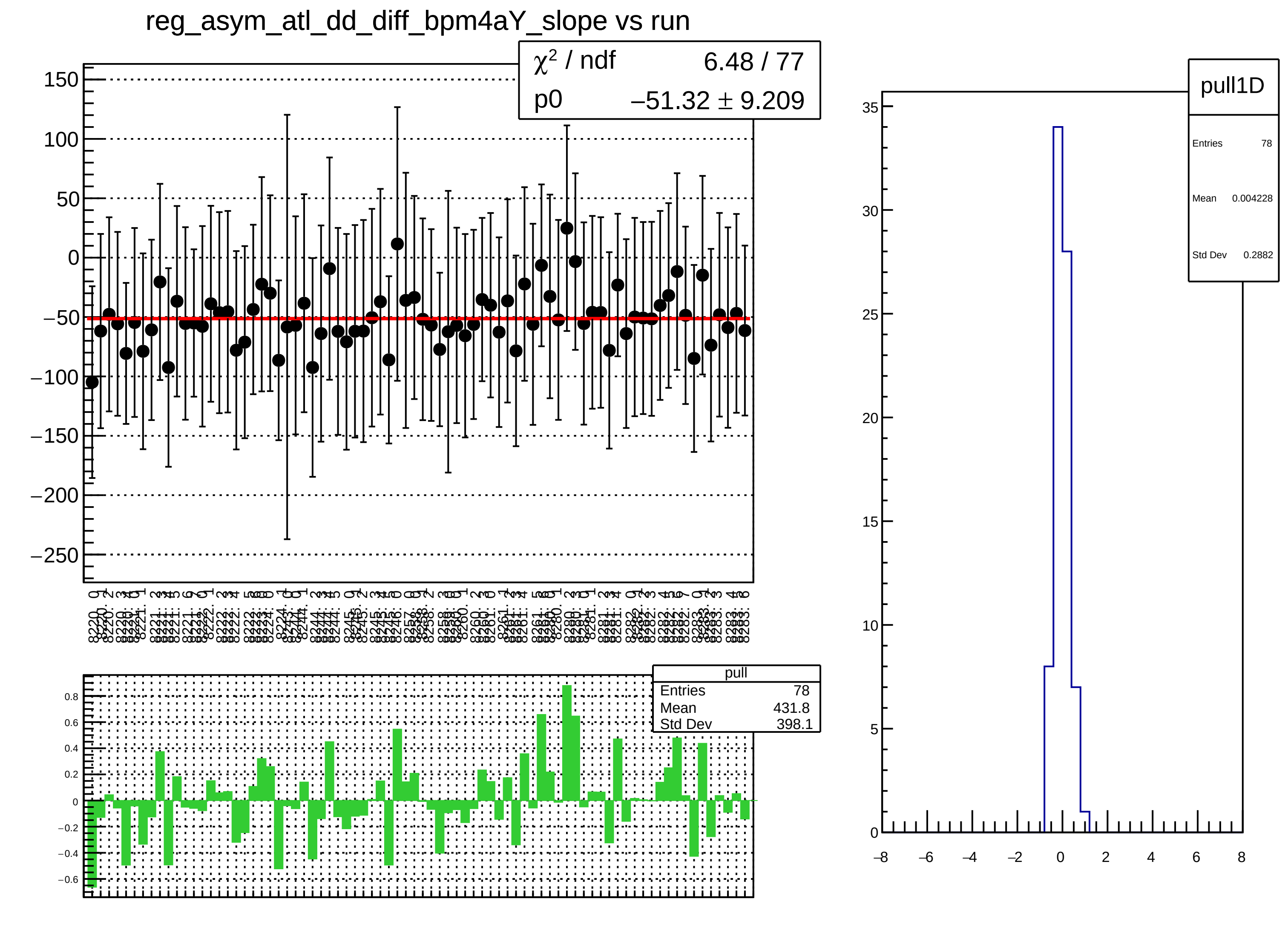
pull1D
Entries 78
Mean −0.0129
Std Dev 0.5302


reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.242 / 77
p0 7.278 ± 10.81
pull
Entries 78
Mean 51.4
Std Dev 34.54
pull1D
Entries 78
Mean 0.0132
Std Dev 0.2826

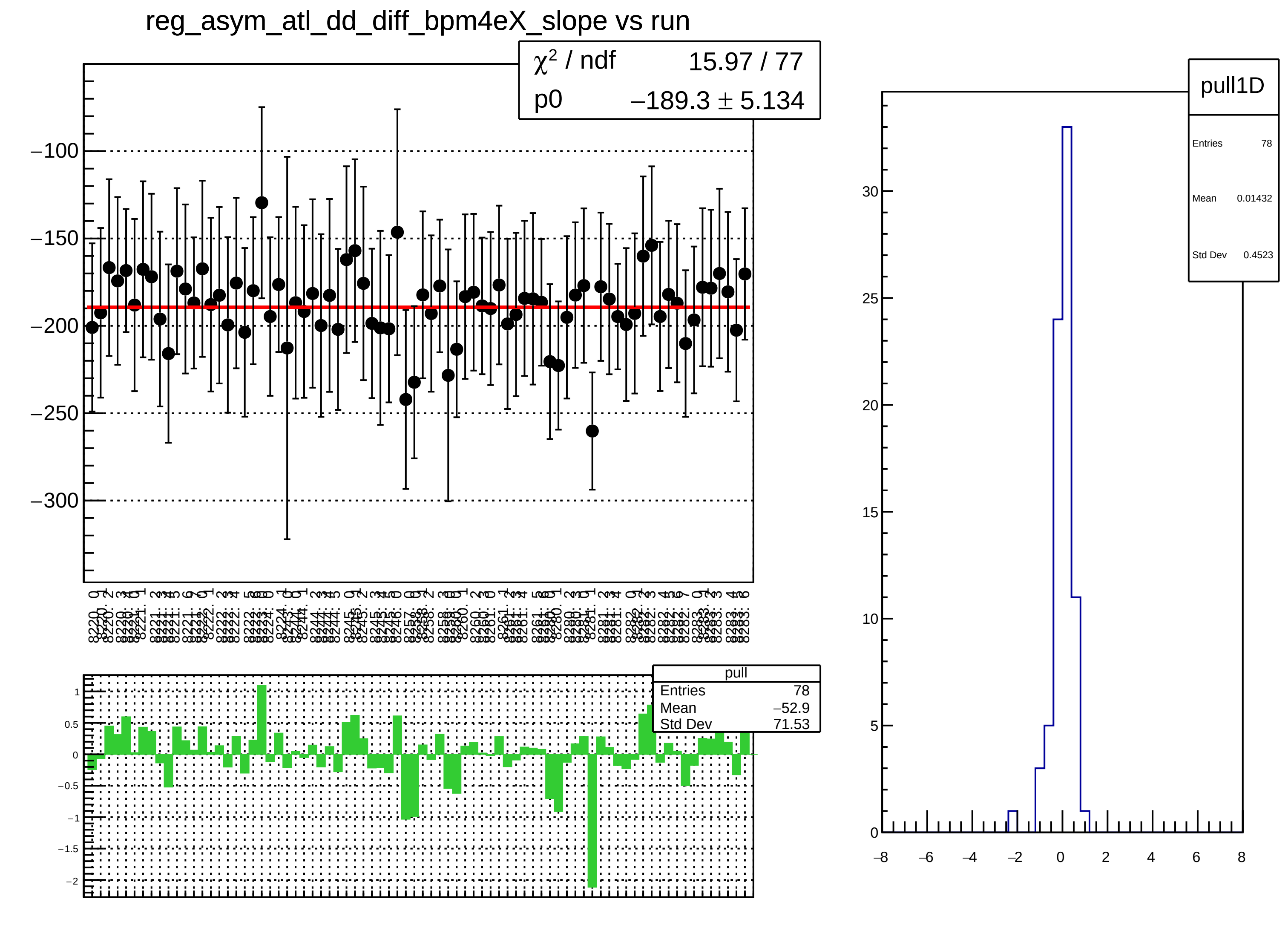


reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 313.2 / 77
p0 −131.5 ± 0.5438
pull
Entries 78
Mean 146.5
Std Dev 109.9
pull1D
Entries 78
Mean −0.3362
Std Dev 1.976

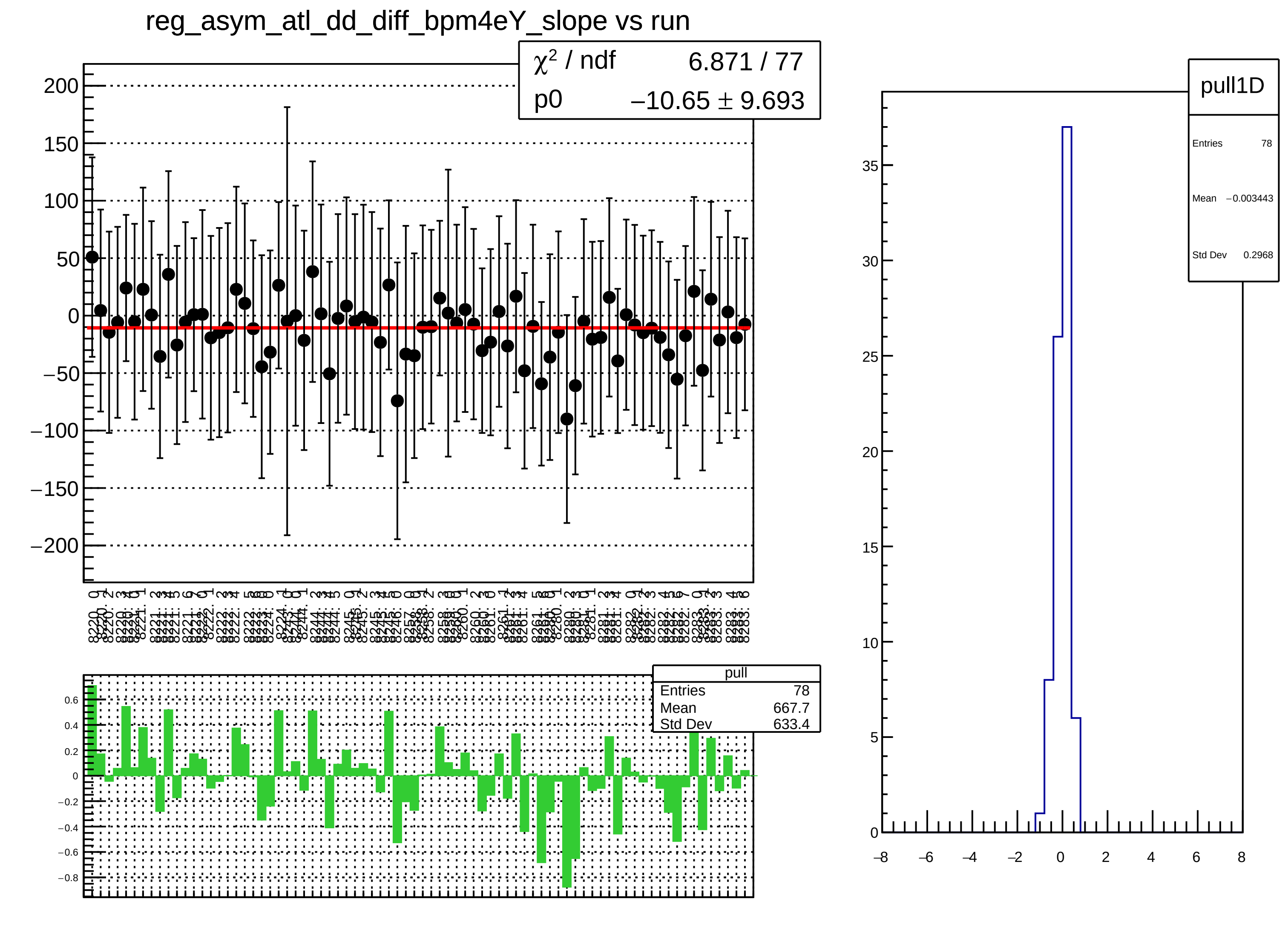

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ2 / ndf 14.53 / 77
p0 264.5 ± 4.652
pull
Entries 78
Mean −67.05
Std Dev 85.78
pull1D
Entries 78
Mean −0.01348
Std Dev 0.4313



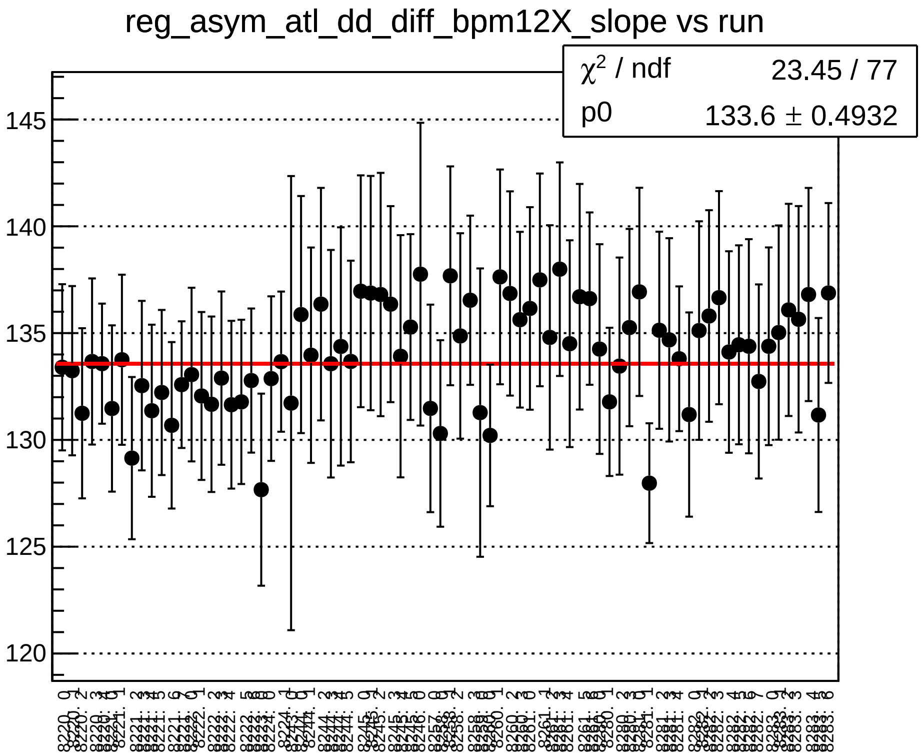
reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ2 / ndf 6.48 / 77
p0 −51.32 ± 9.209
pull
Entries 78
Mean 431.8
Std Dev 398.1
pull1D
Entries 78
Mean 0.004228
Std Dev 0.2882

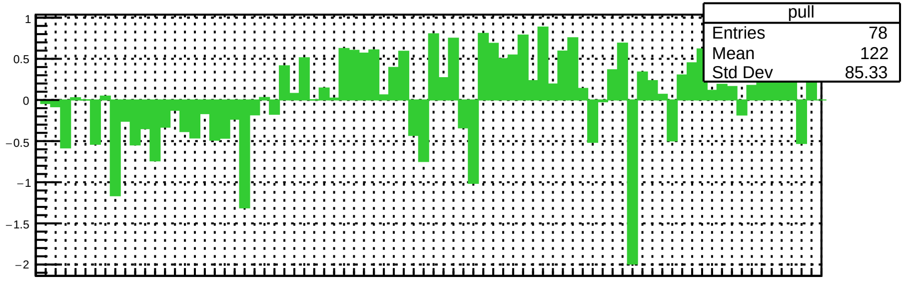


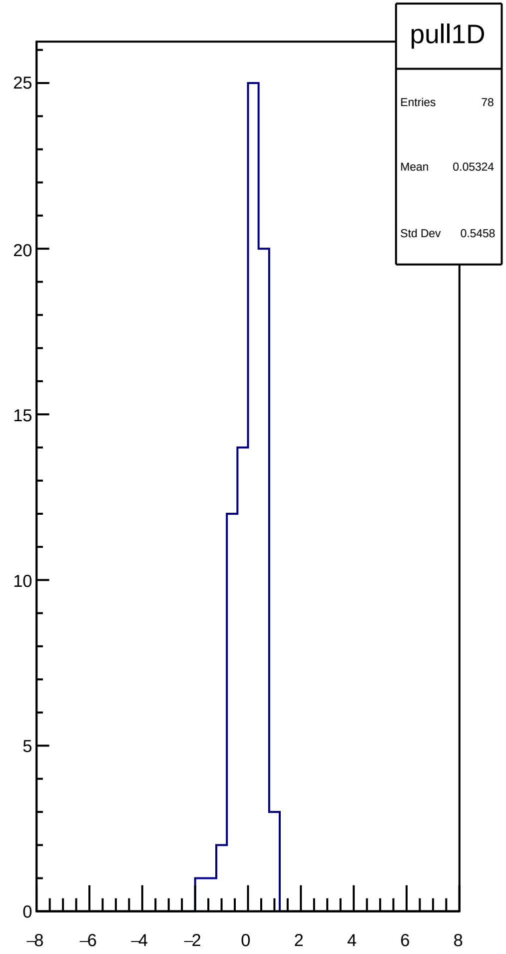
reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 15.97 / 77
p0 −189.3 ± 5.134
pull
Entries 78
Mean −52.9
Std Dev 71.53
pull1D
Entries 78
Mean 0.01432
Std Dev 0.4523

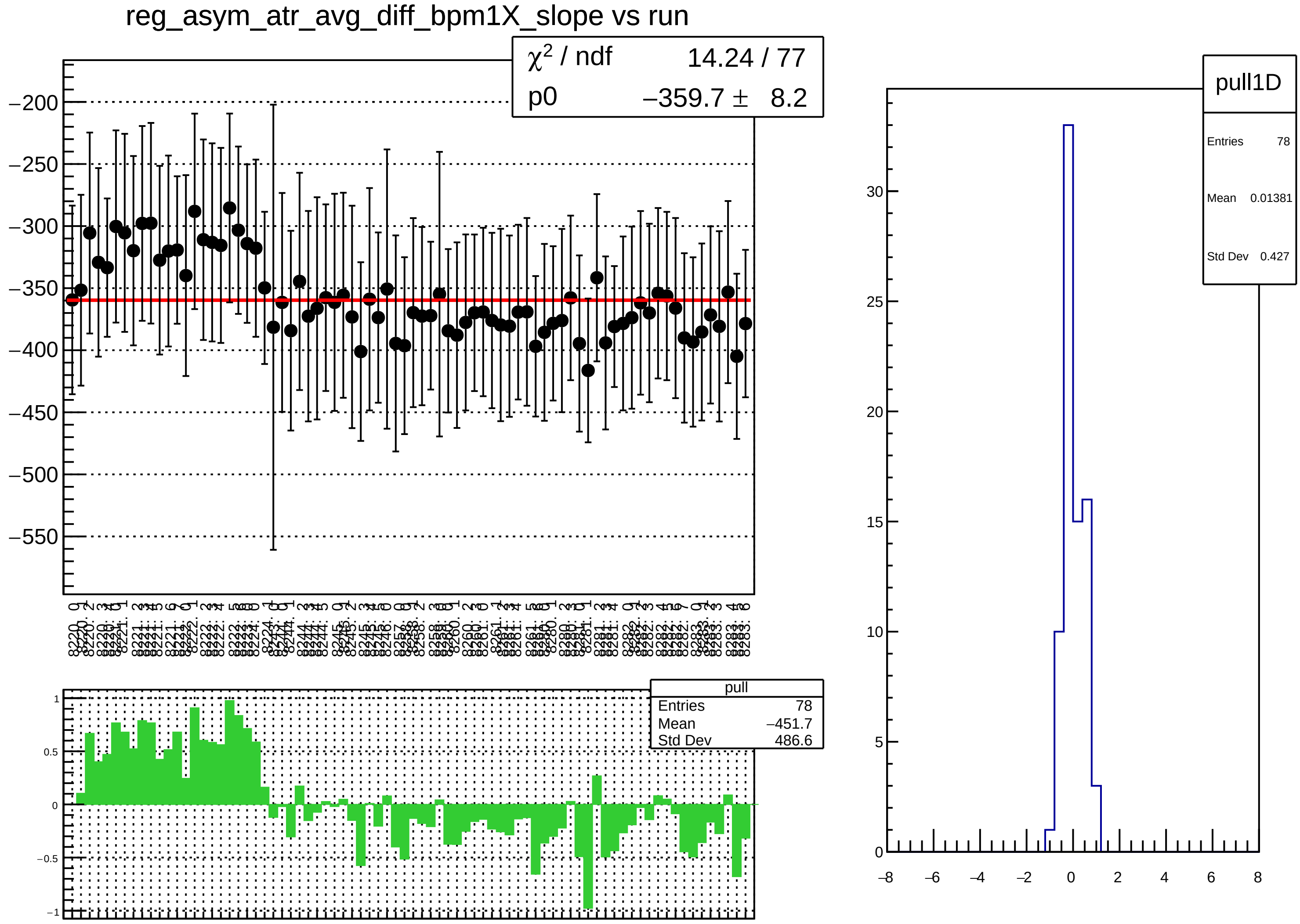


reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.871 / 77
p0 −10.65 ± 9.693
pull
Entries 78
Mean 667.7
Std Dev 633.4
pull1D
Entries 78
Mean −0.003443
Std Dev 0.2968

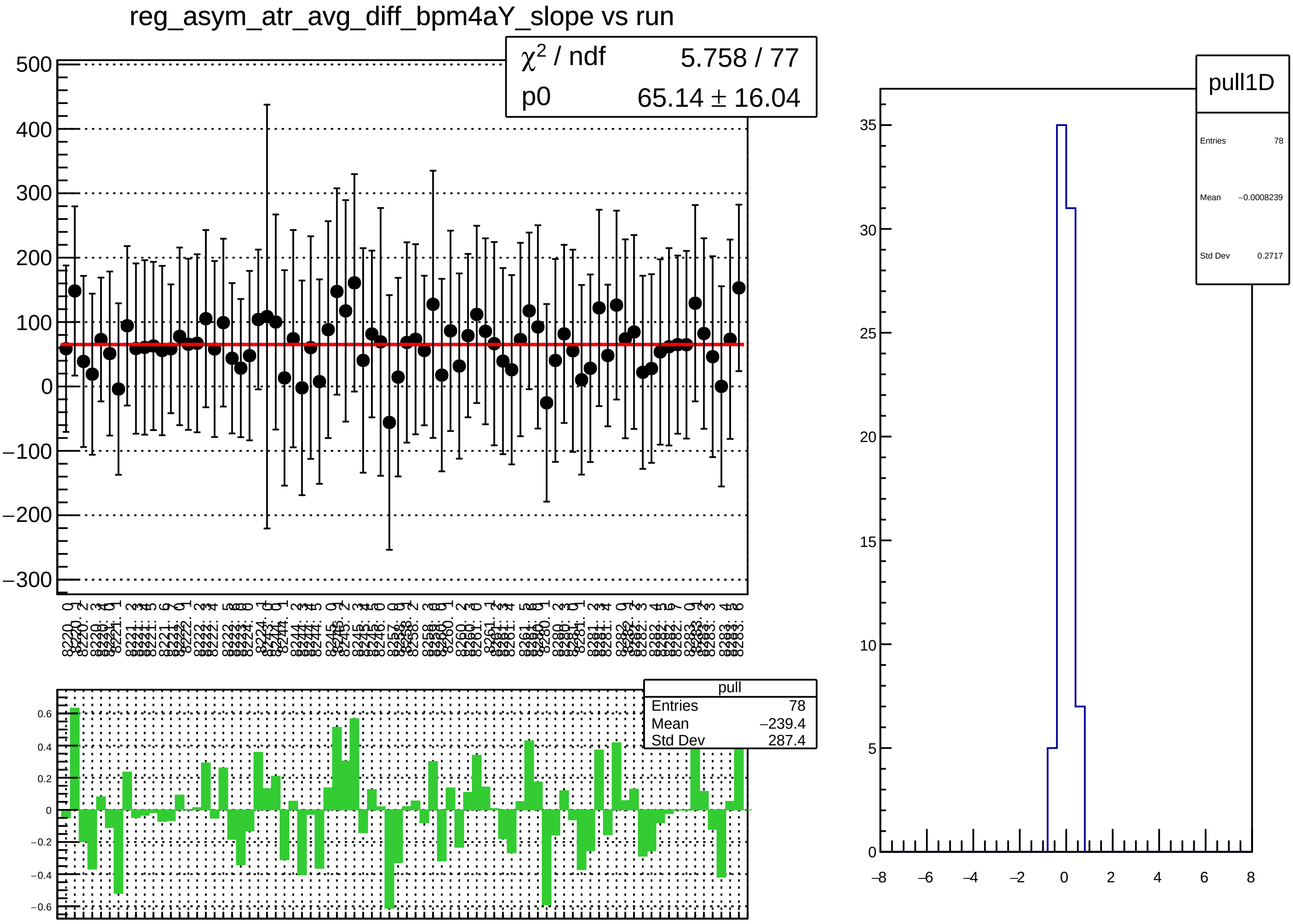

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 23.45 / 77
p0 133.6 ± 0.4932


pull
Entries 78
Mean 122
Std Dev 85.33

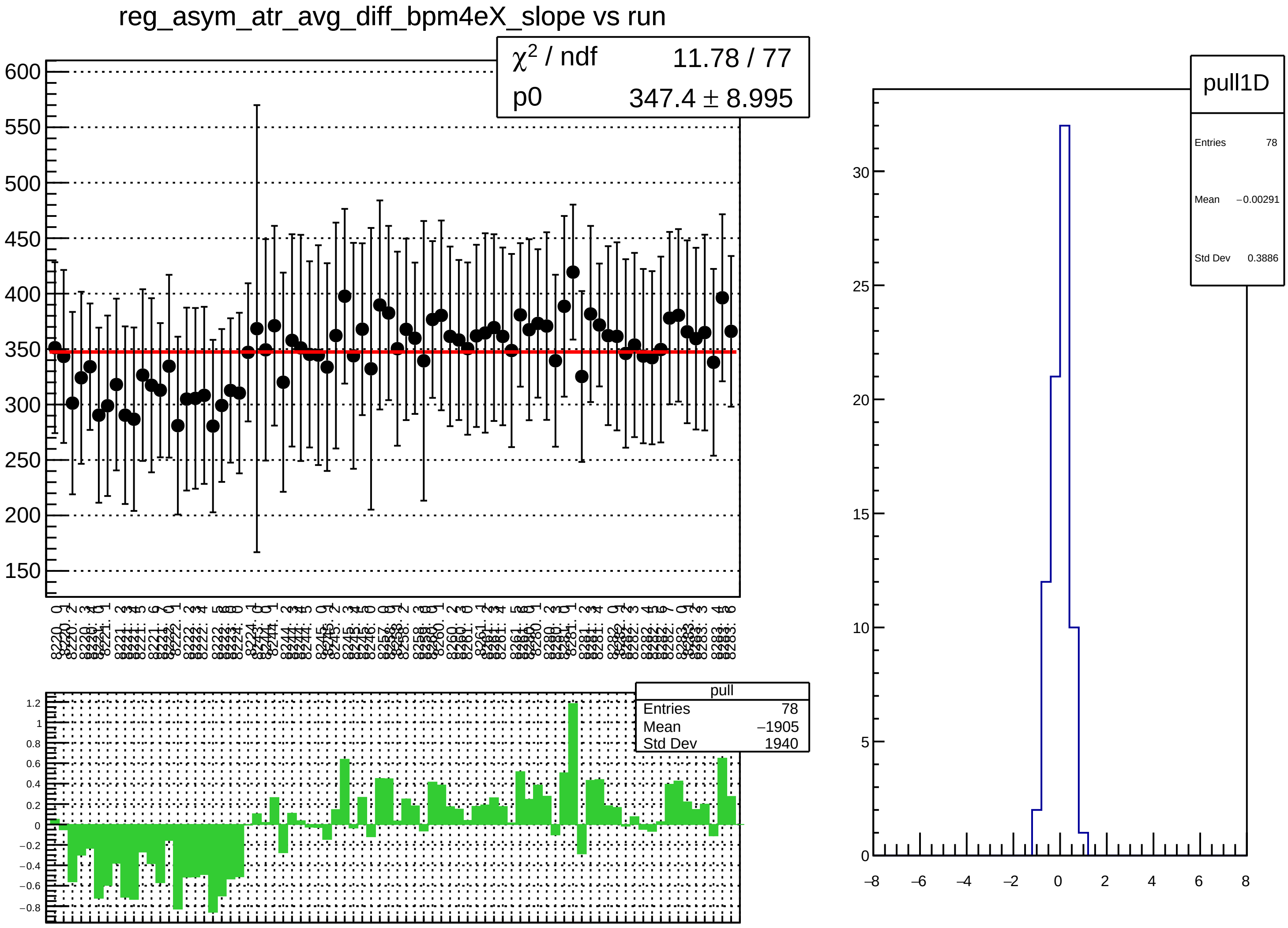

pull1D
Entries 78
Mean 0.05324
Std Dev 0.5458



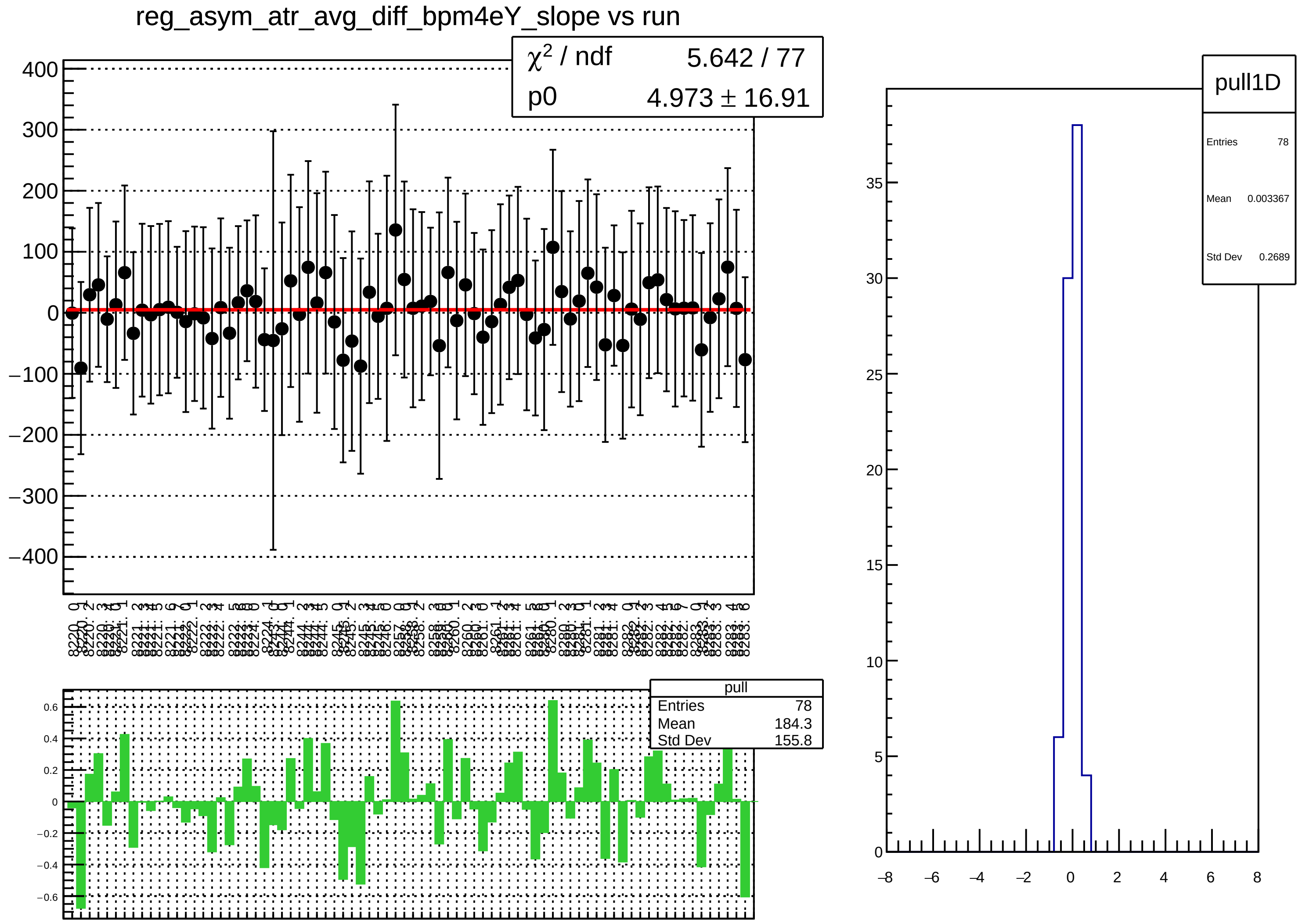
reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 14.24 / 77
p0 −359.7 ± 8.2
pull
Entries 78
Mean −451.7
Std Dev 486.6
pull1D
Entries 78
Mean 0.01381
Std Dev 0.427



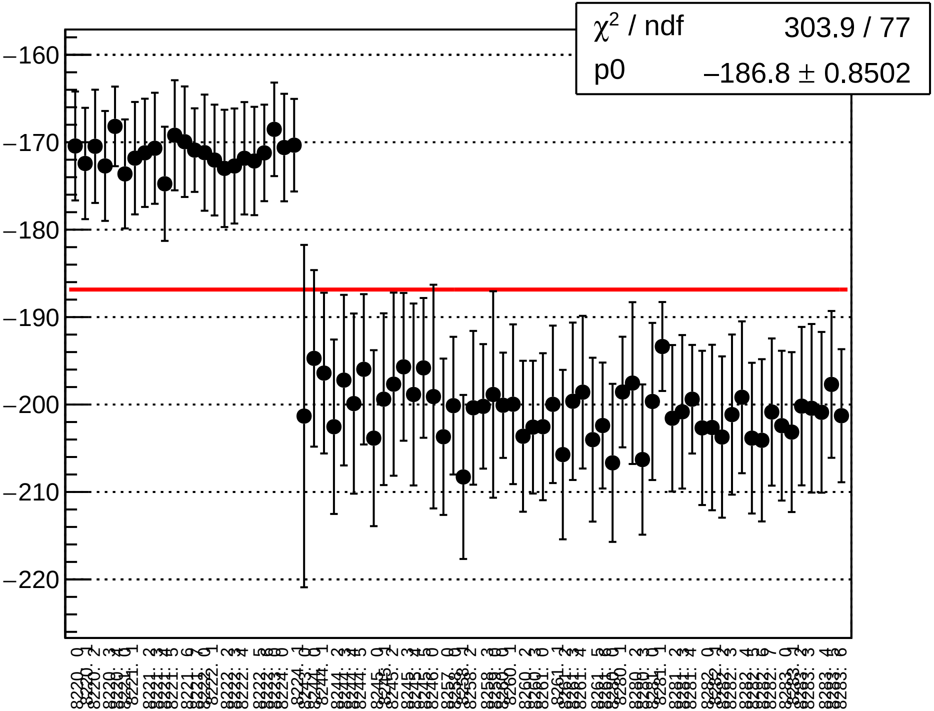
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.758 / 77
p0 65.14 ± 16.04
pull
Entries 78
Mean −239.4
Std Dev 287.4
pull1D
Entries 78
Mean −0.0008239
Std Dev 0.2717

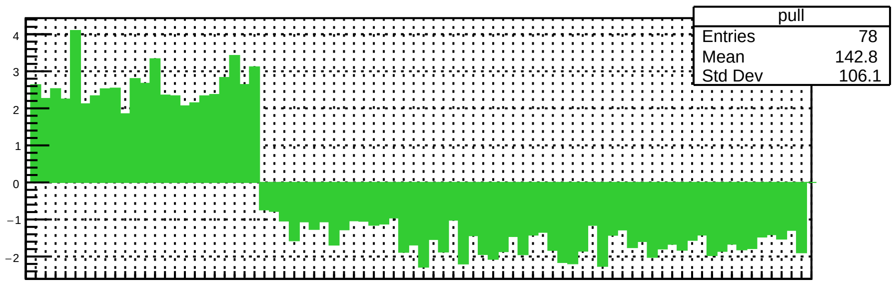


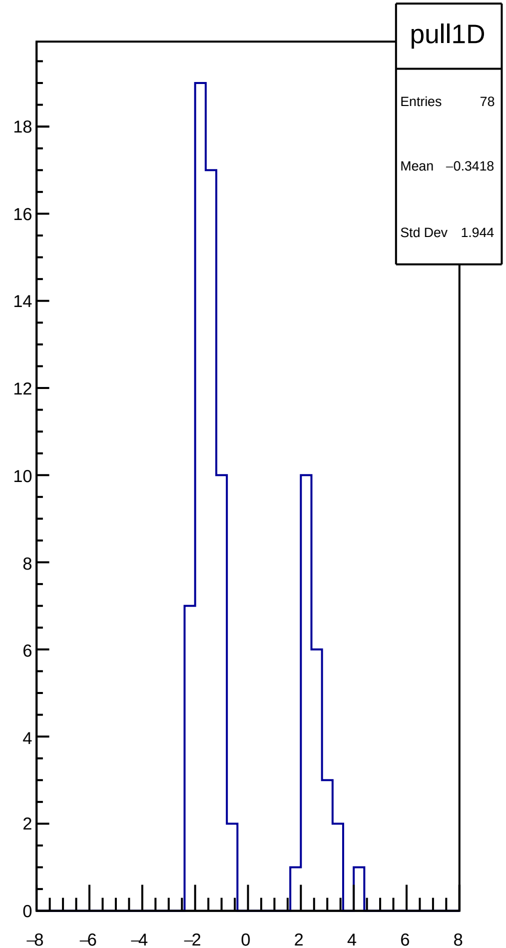
reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 11.78 / 77
p0 347.4 ± 8.995
pull
Entries 78
Mean −1905
Std Dev 1940
pull1D
Entries 78
Mean −0.00291
Std Dev 0.3886


reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.642 / 77
p0 4.973 ± 16.91
pull
Entries 78
Mean 184.3
Std Dev 155.8
pull1D
Entries 78
Mean 0.003367
Std Dev 0.2689

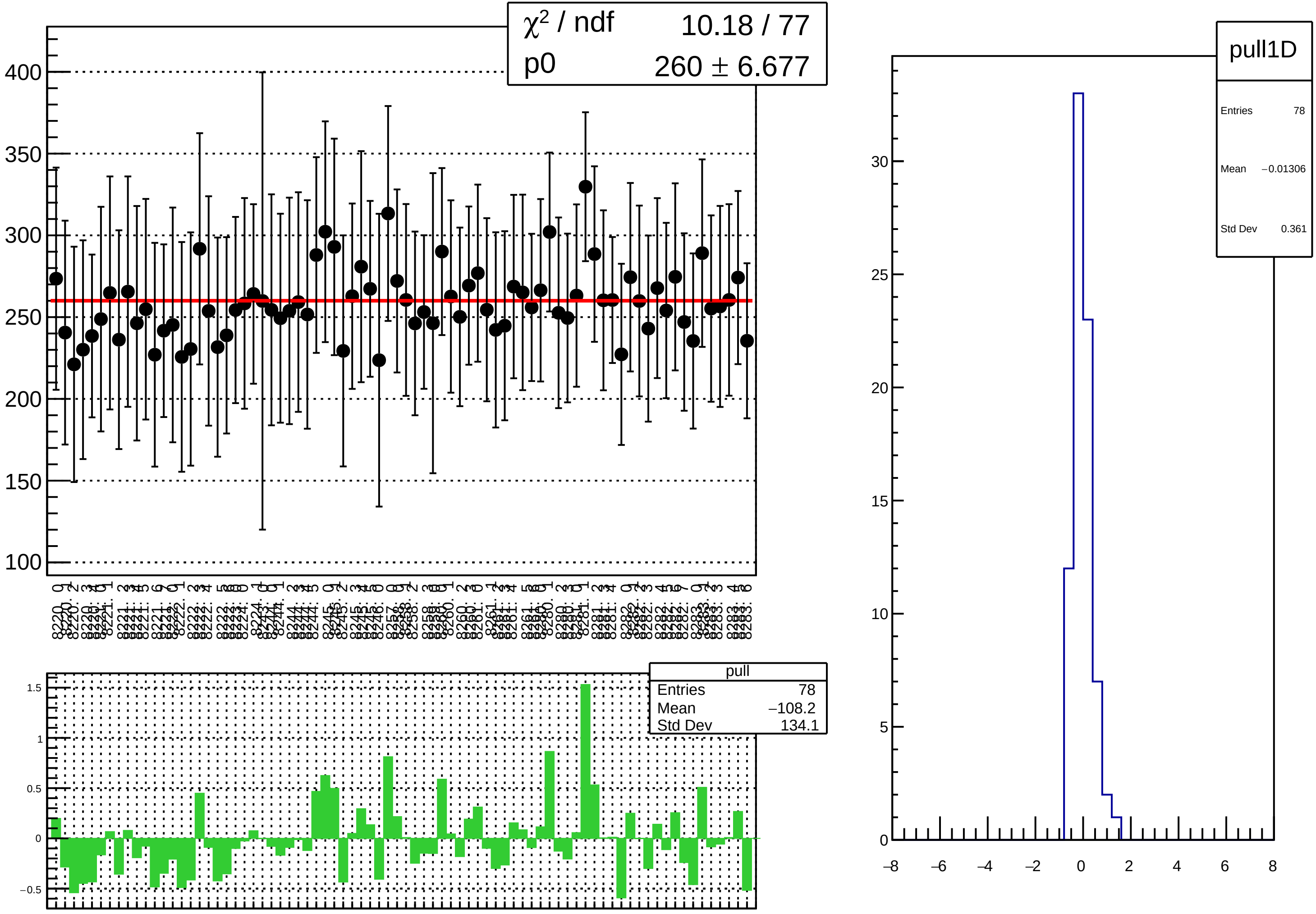
reg_asym_atr_avg_diff_bpm12X_slope vs run

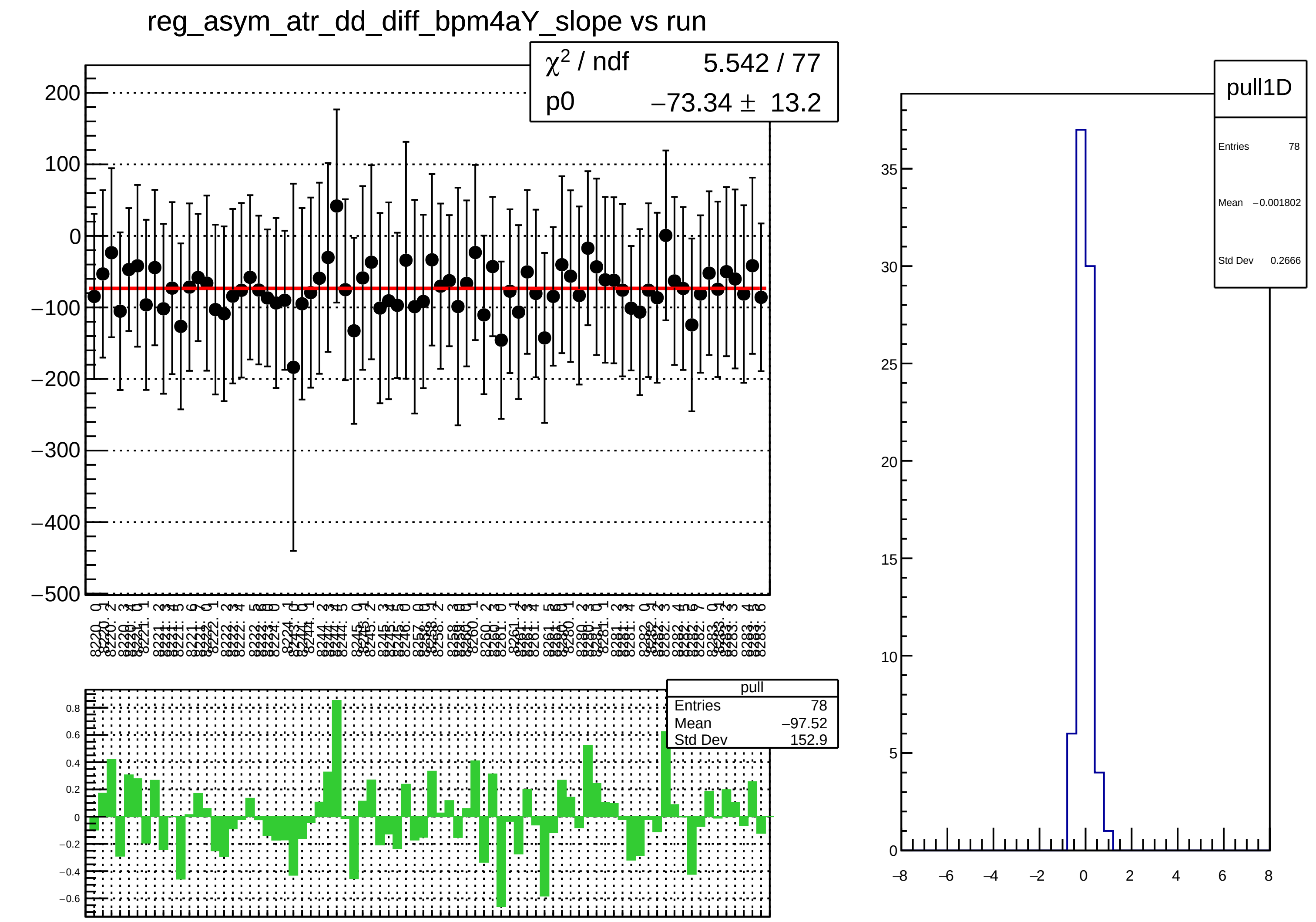




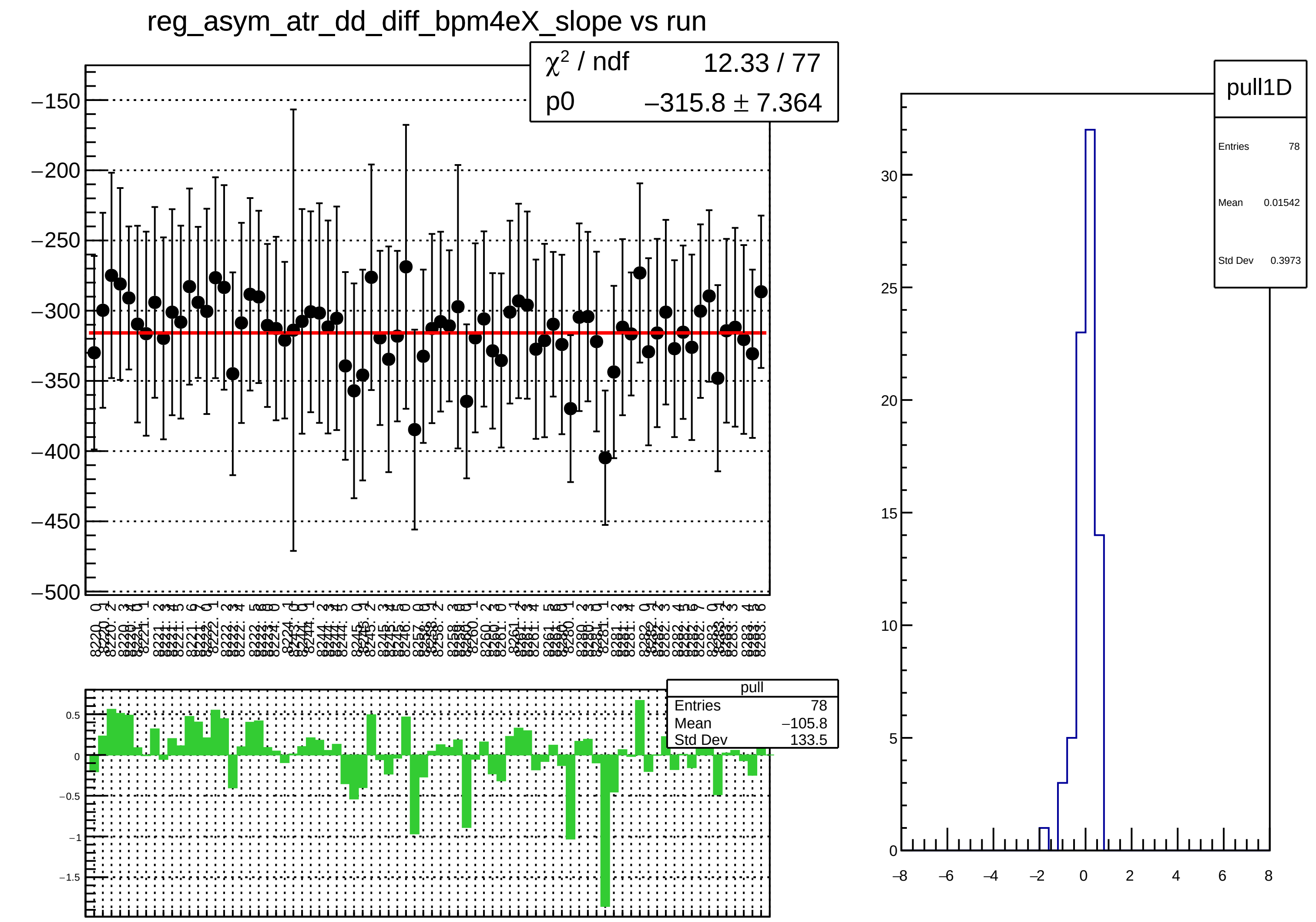


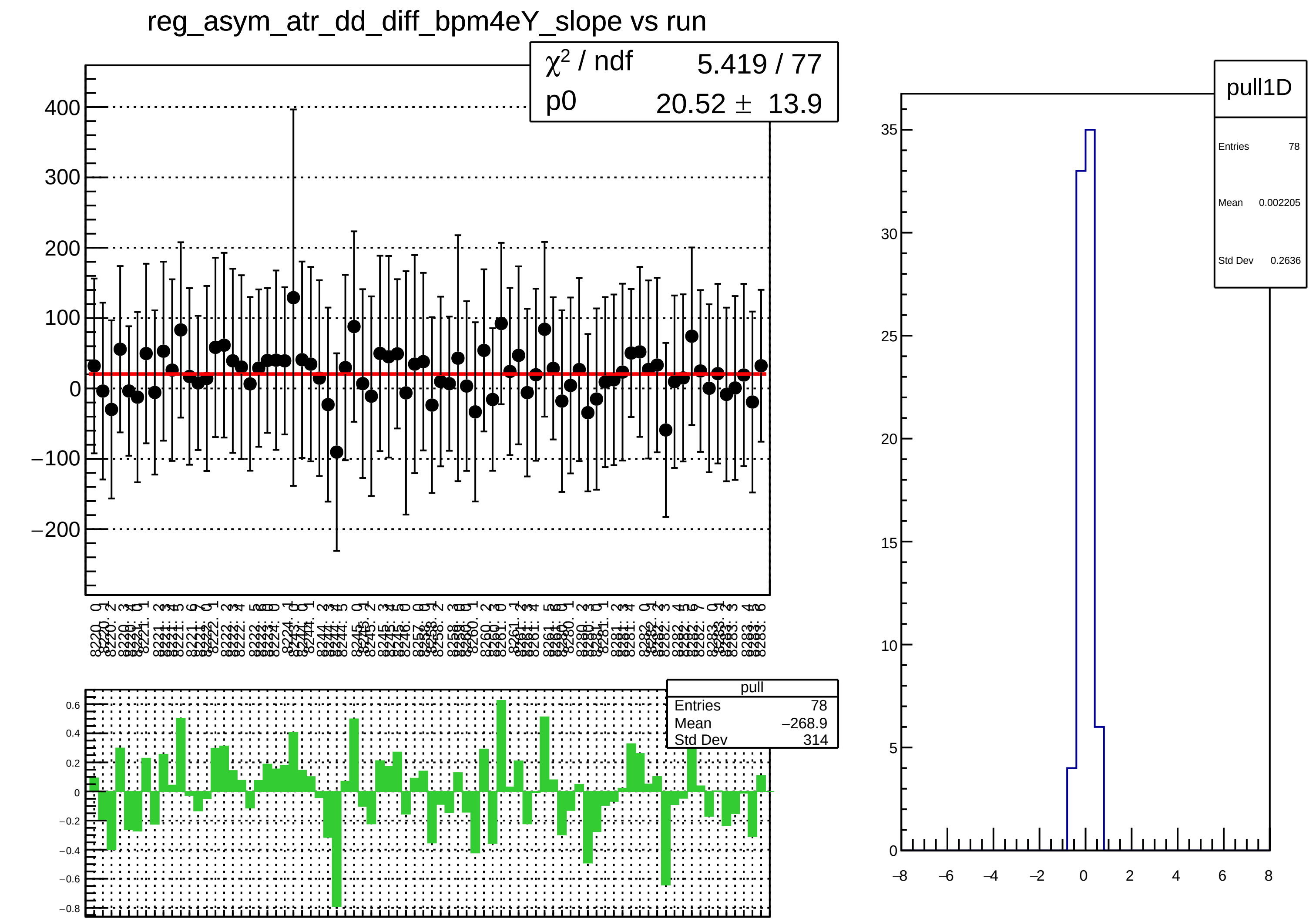
reg_asym_atr_dd_diff_bpm1X_slope vs run

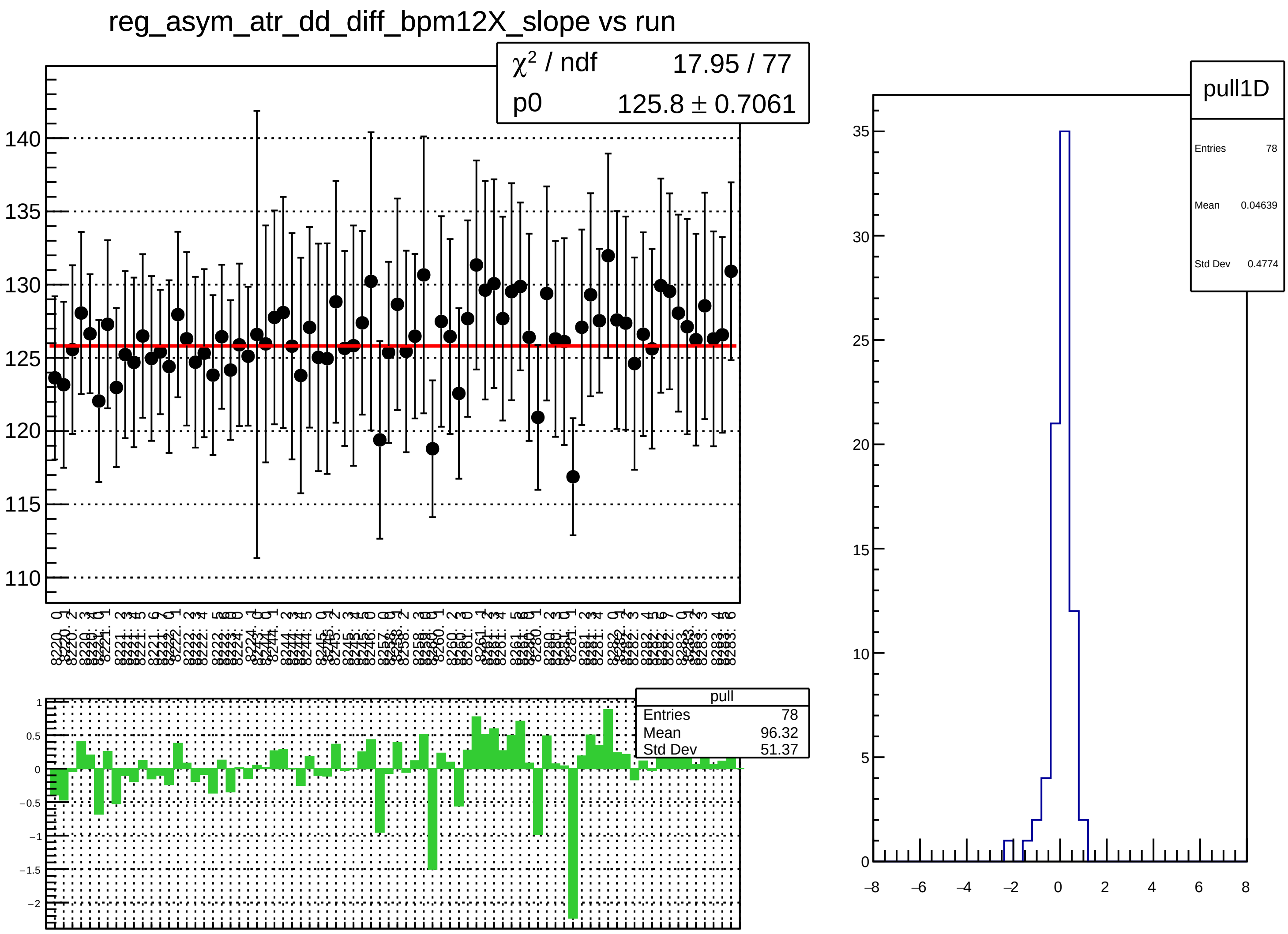




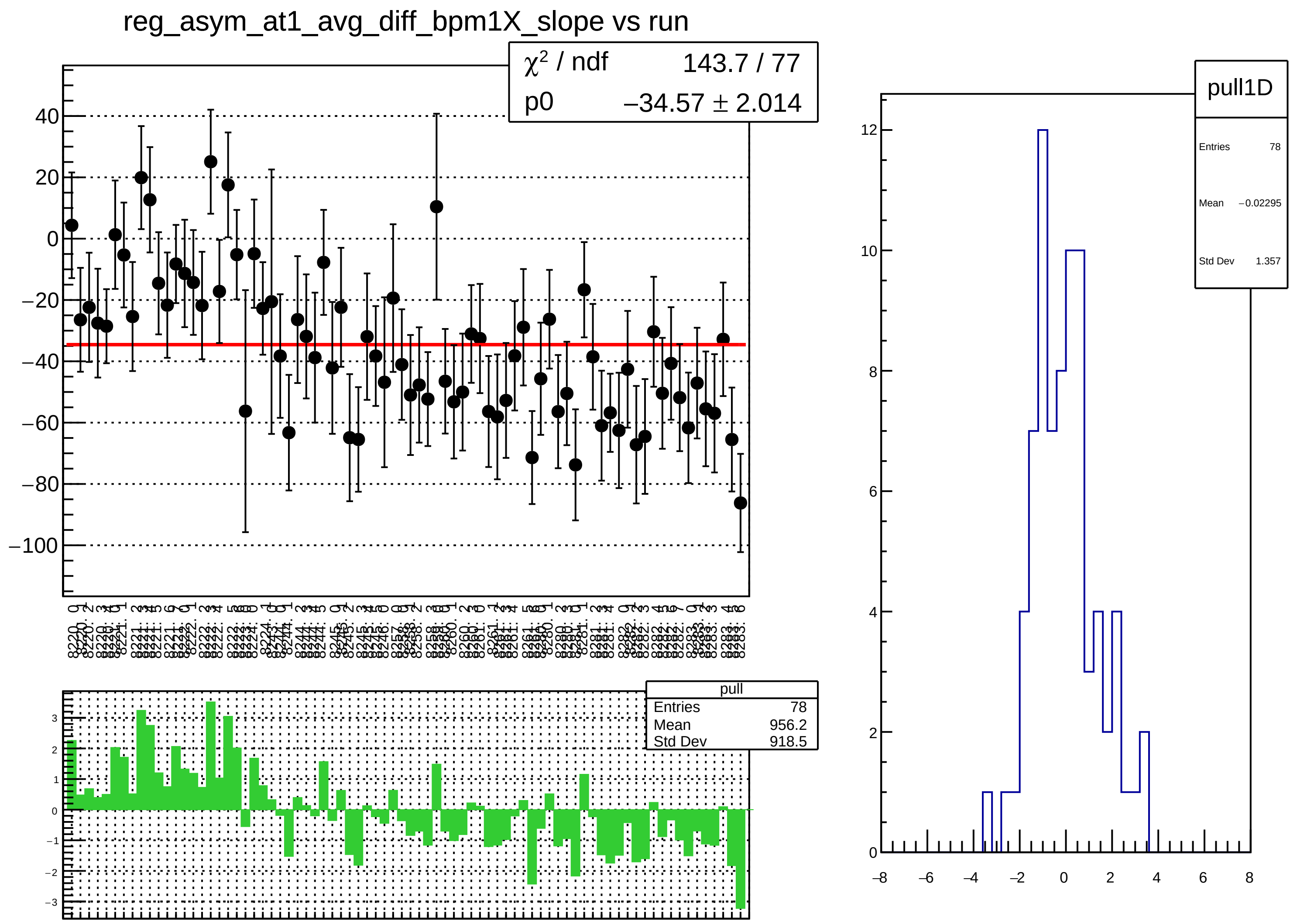
reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ2 / ndf 5.542 / 77
p0 −73.34 ± 13.2
pull
Entries 78
Mean −97.52
Std Dev 152.9
pull1D
Entries 78
Mean −0.001802
Std Dev 0.2666


reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ2 / ndf 12.33 / 77
p0 −315.8 ± 7.364
pull
Entries 78
Mean −105.8
Std Dev 133.5
pull1D
Entries 78
Mean 0.01542
Std Dev 0.3973

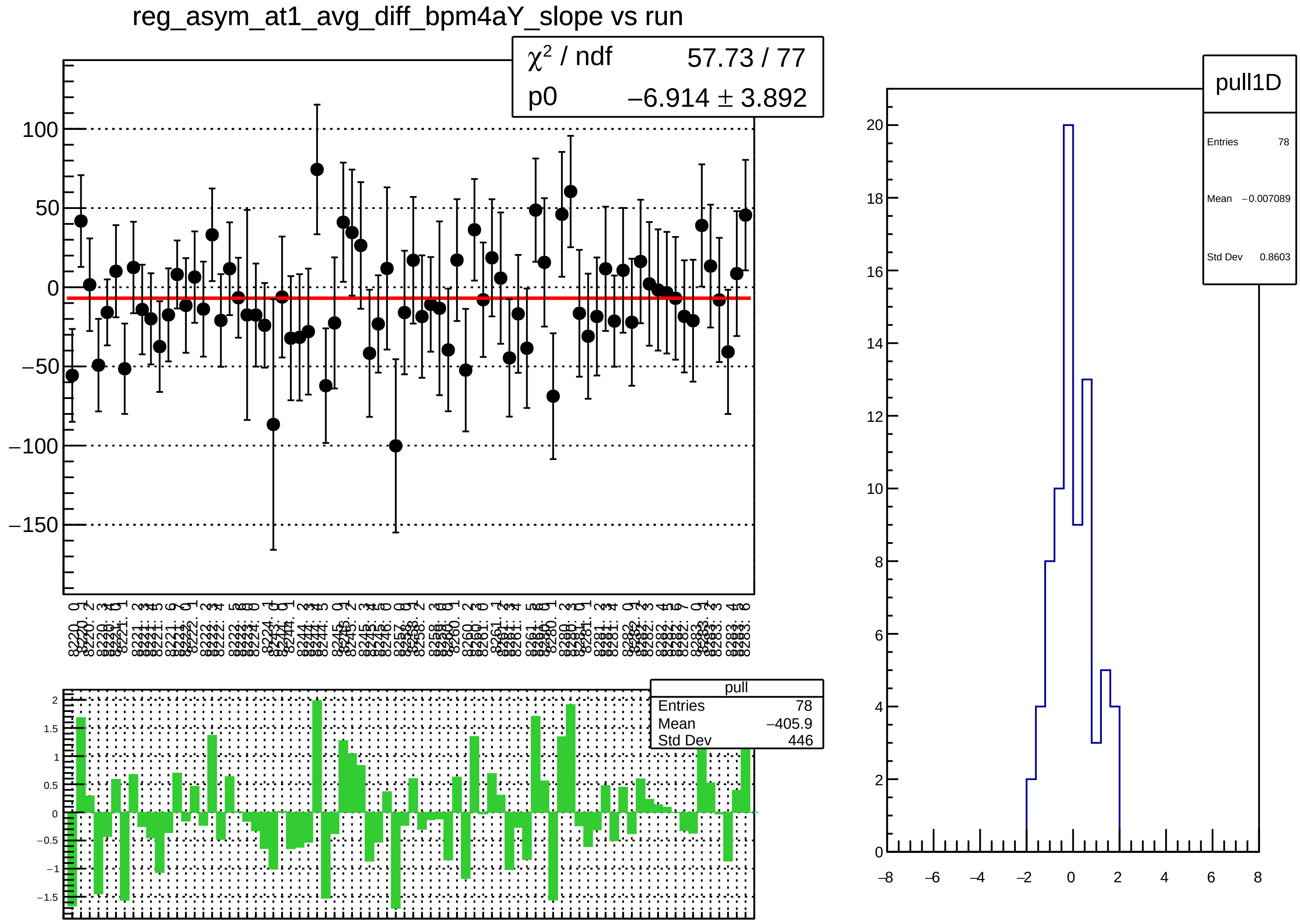

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ2 / ndf 5.419 / 77
p0 20.52 ± 13.9
pull
Entries 78
Mean −268.9
Std Dev 314
pull1D
Entries 78
Mean 0.002205
Std Dev 0.2636

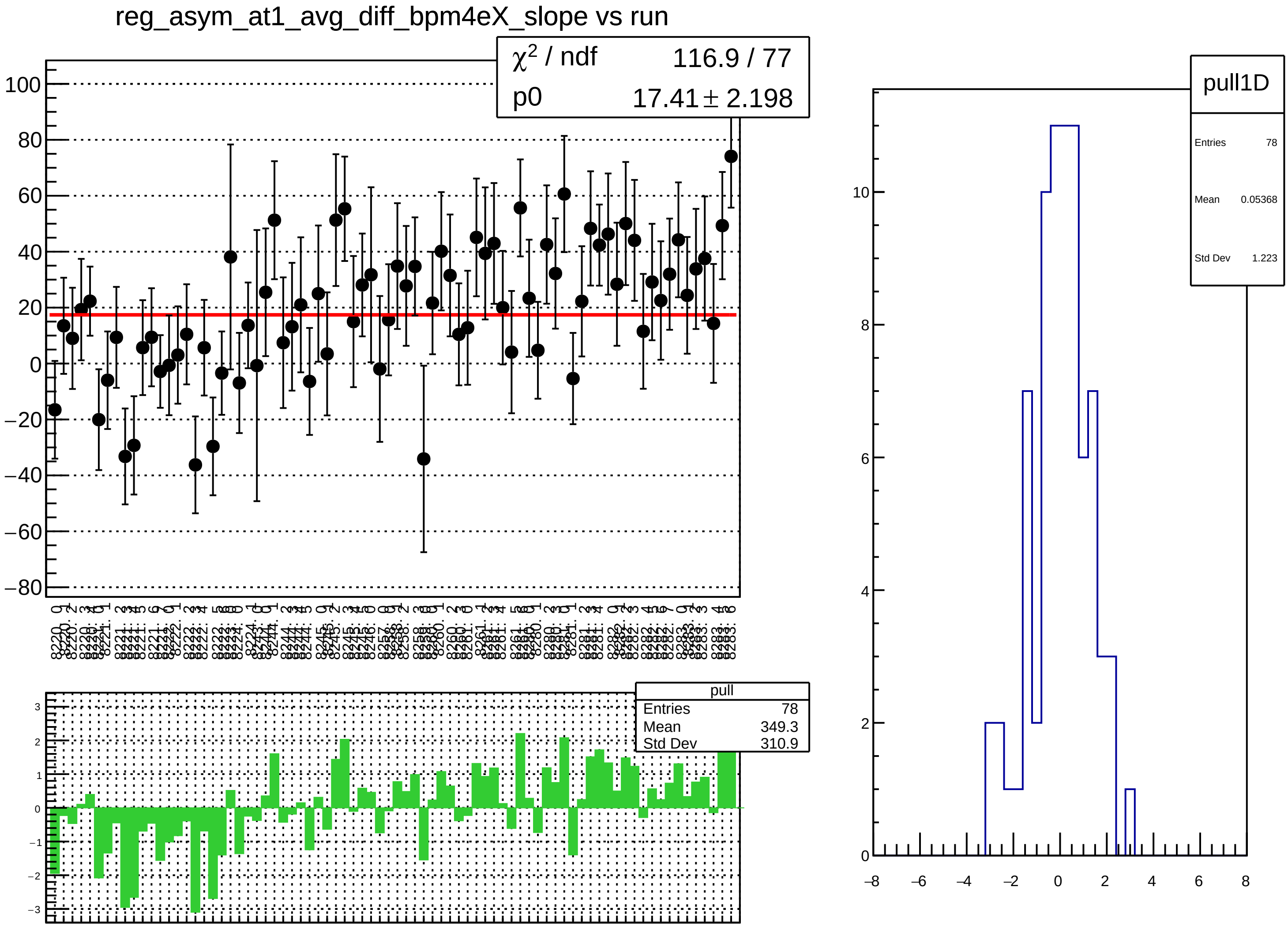


reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.95 / 77
p0 125.8 ± 0.7061
pull
Entries 78
Mean 96.32
Std Dev 51.37
pull1D
Entries 78
Mean 0.04639
Std Dev 0.4774

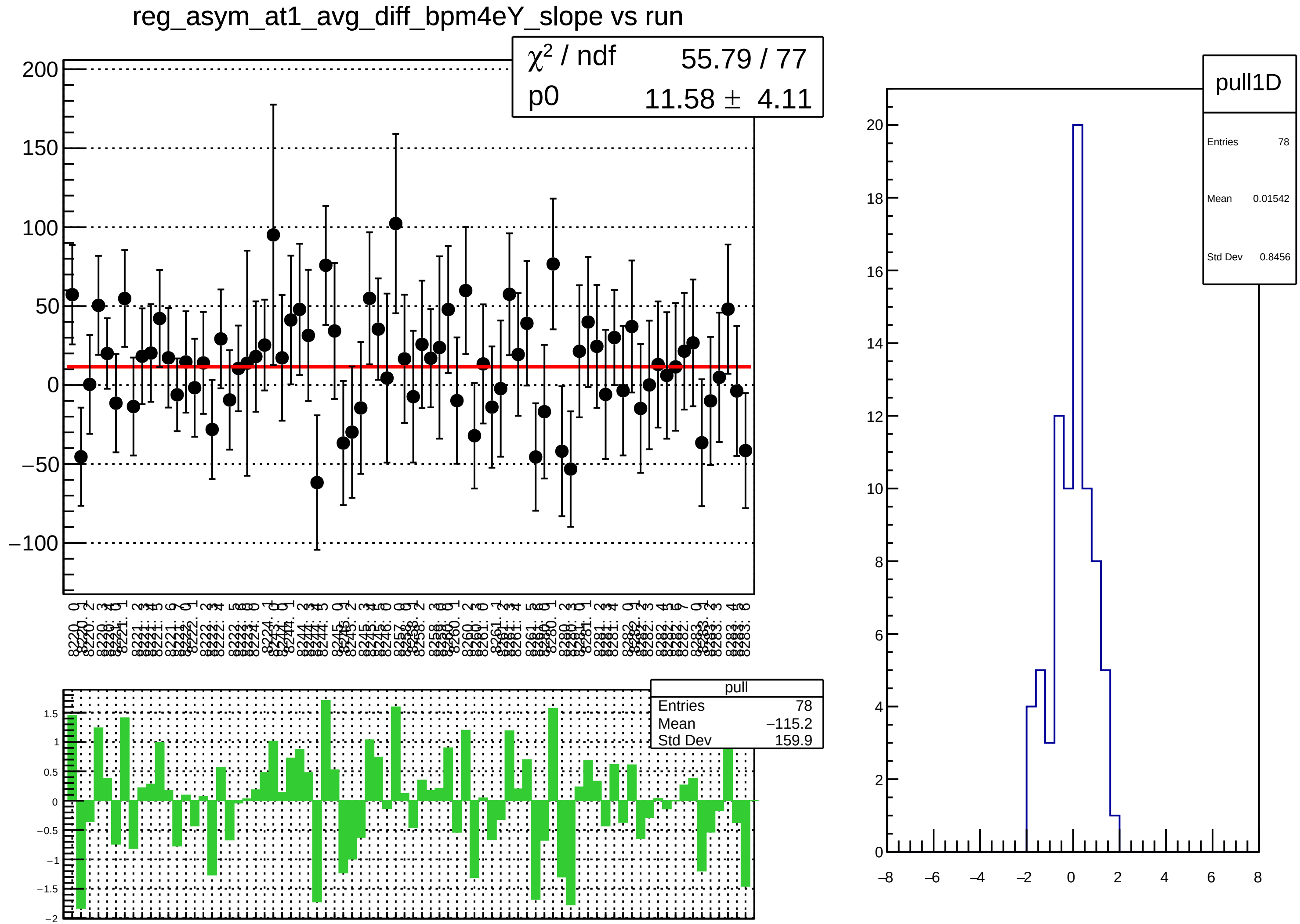


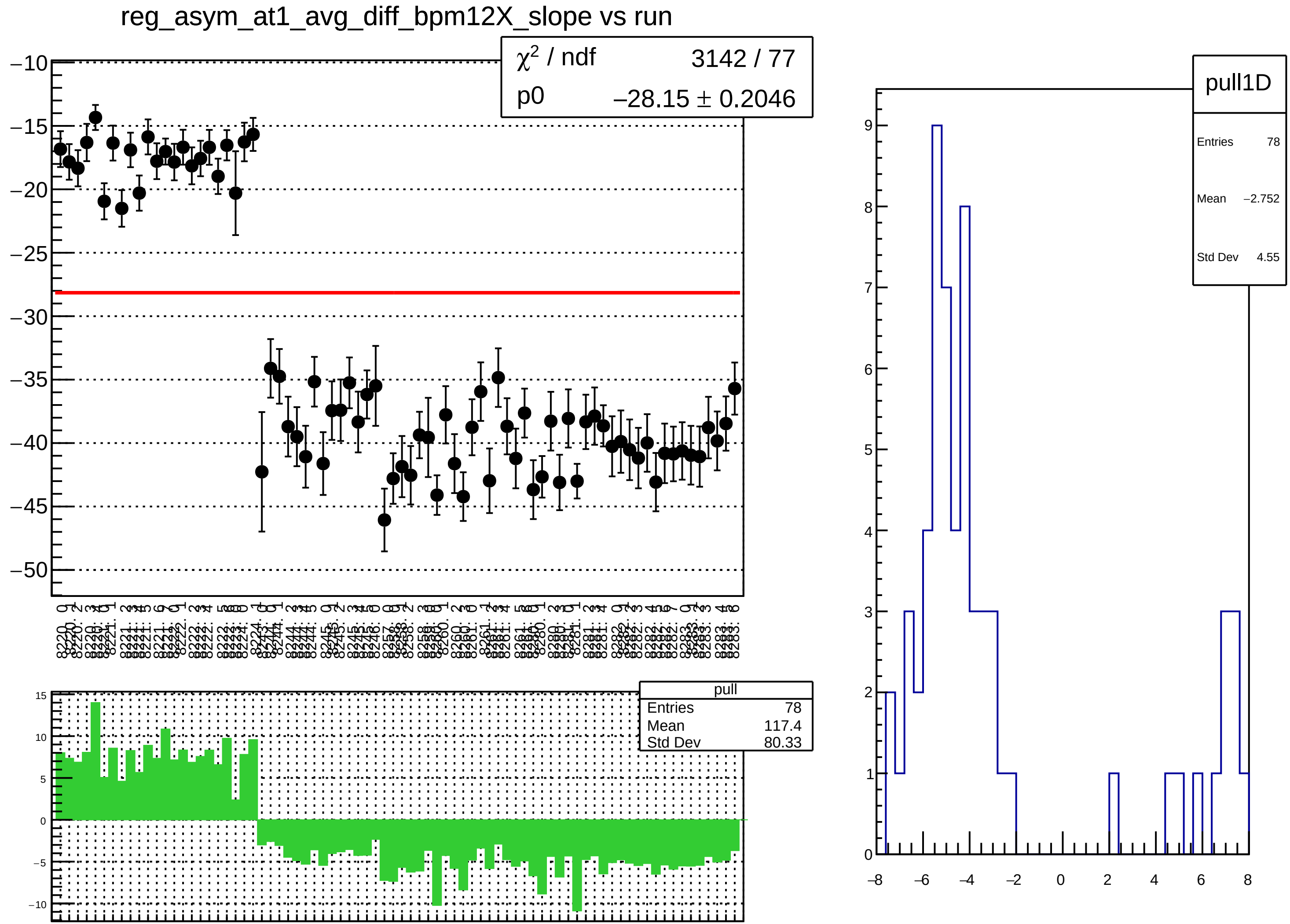
reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 143.7 / 77
p0 −34.57 ± 2.014
pull
Entries 78
Mean 956.2
Std Dev 918.5
pull1D
Entries 78
Mean −0.02295
Std Dev 1.357


reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 57.73 / 77
p0 −6.914 ± 3.892
pull
Entries 78
Mean −405.9
Std Dev 446
pull1D
Entries 78
Mean −0.007089
Std Dev 0.8603

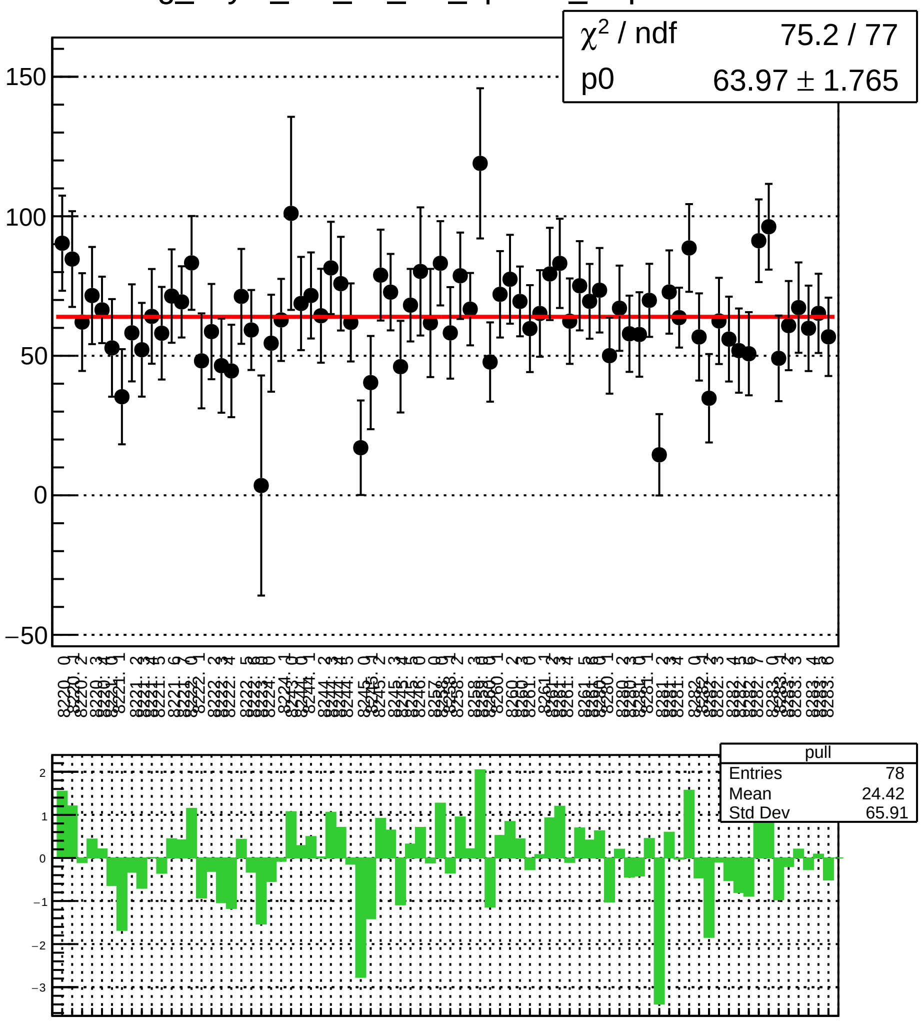


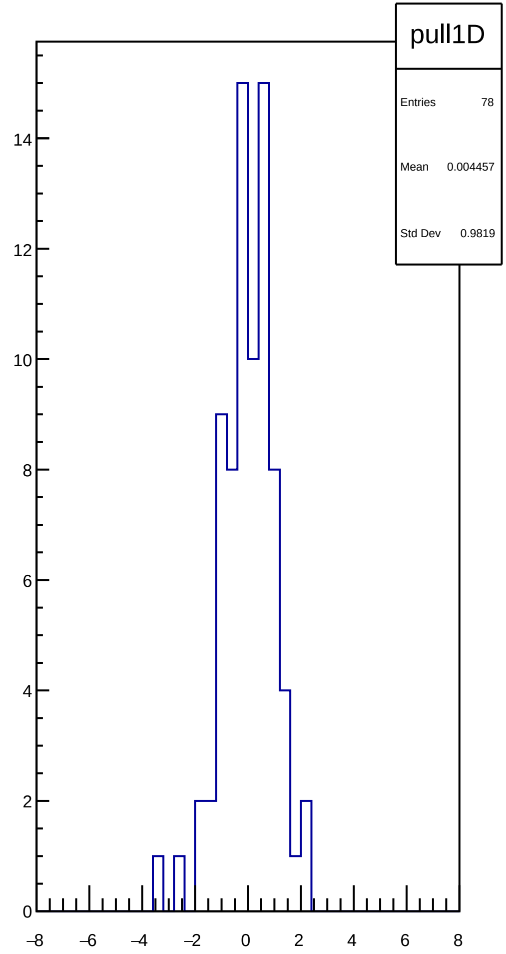
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 116.9 / 77
p0 17.41 ± 2.198
pull
Entries 78
Mean 349.3
Std Dev 310.9
pull1D
Entries 78
Mean 0.05368
Std Dev 1.223

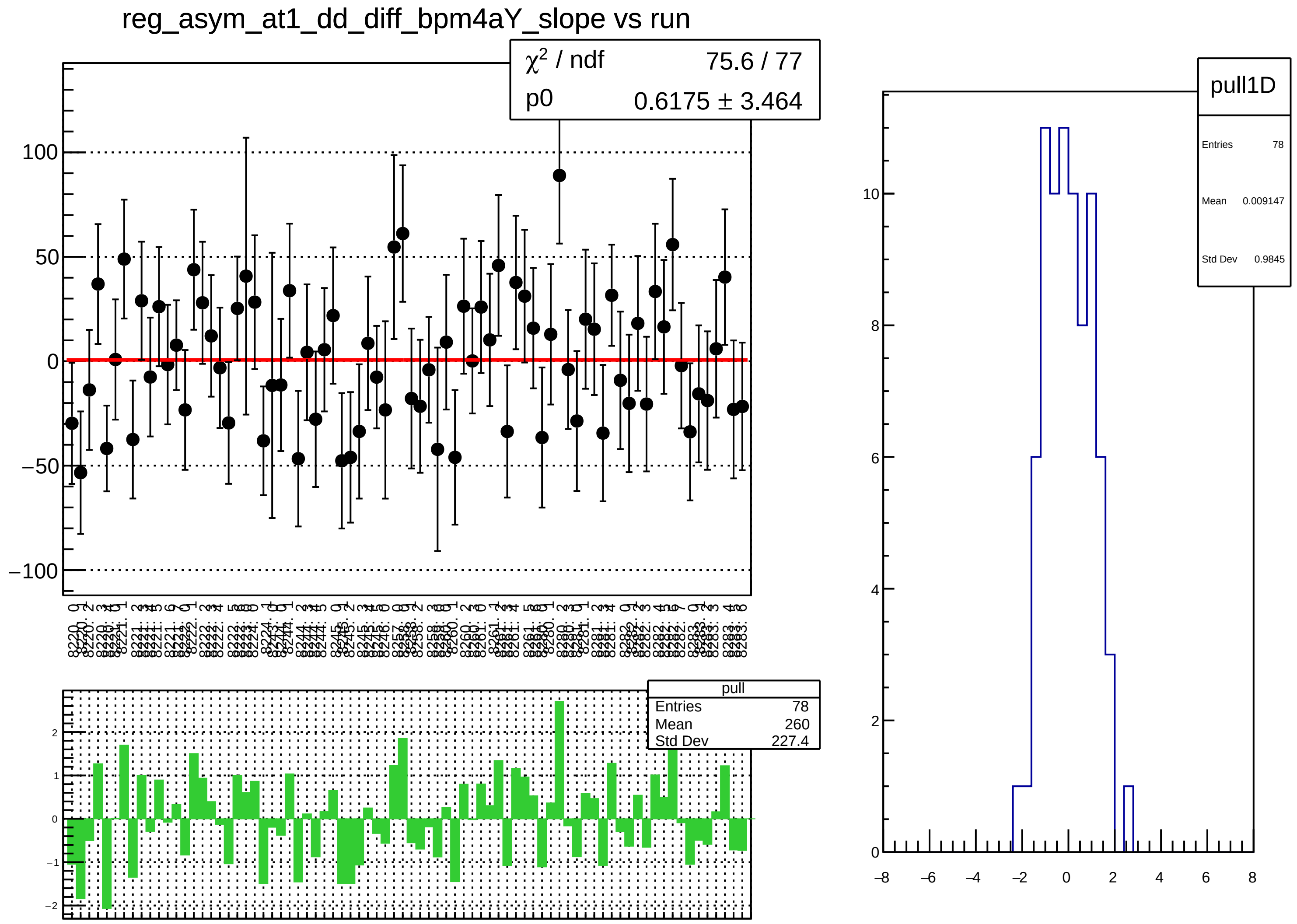

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ2 / ndf 55.79 / 77
p0 11.58 ± 4.11
pull
Entries 78
Mean −115.2
Std Dev 159.9
pull1D
Entries 78
Mean 0.01542
Std Dev 0.8456

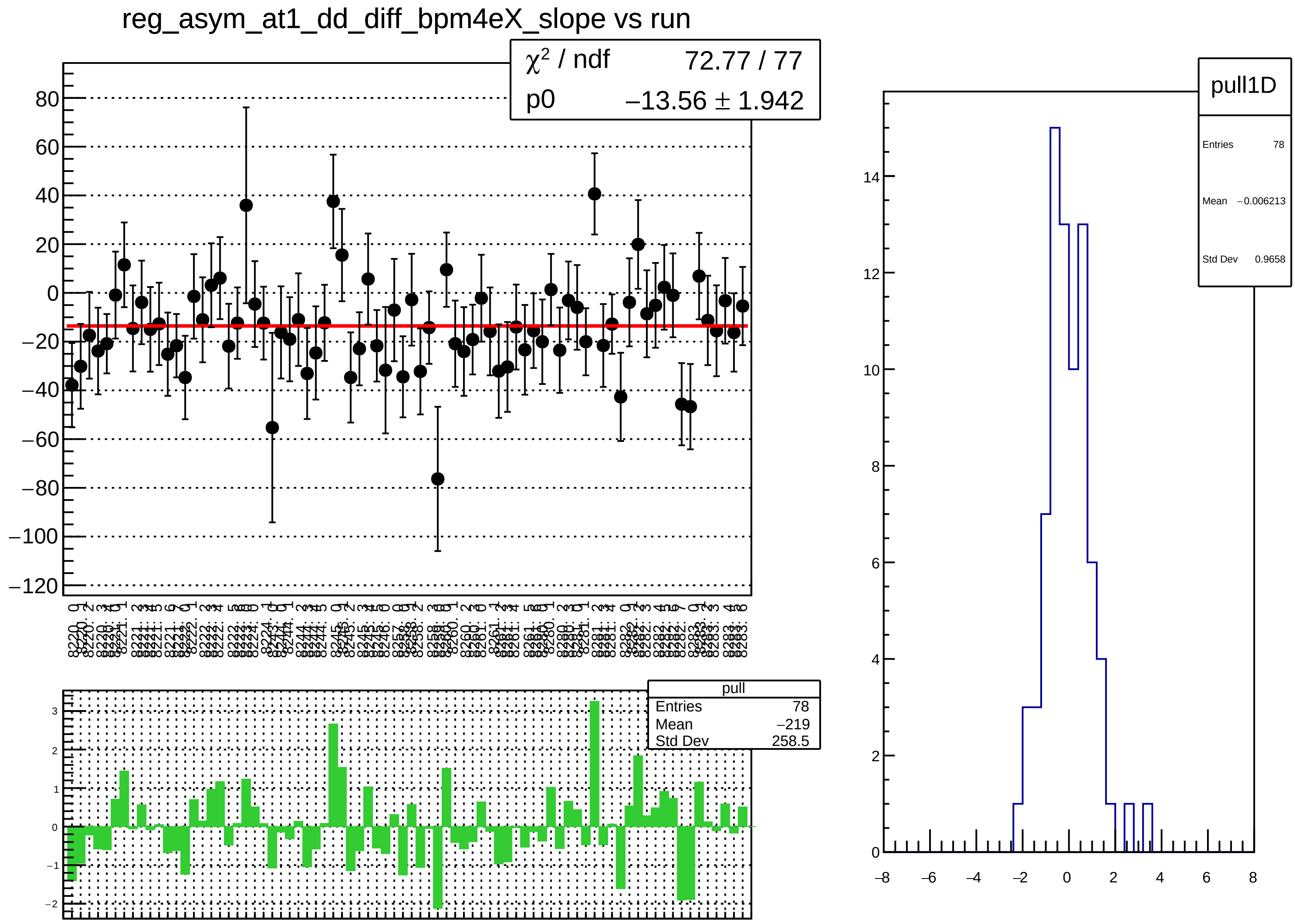

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3142 / 77
p0 −28.15 ± 0.2046
pull
Entries 78
Mean 117.4
Std Dev 80.33
pull1D
Entries 78
Mean −2.752
Std Dev 4.55

reg_asym_at1_dd_diff_bpm1X_slope vs run

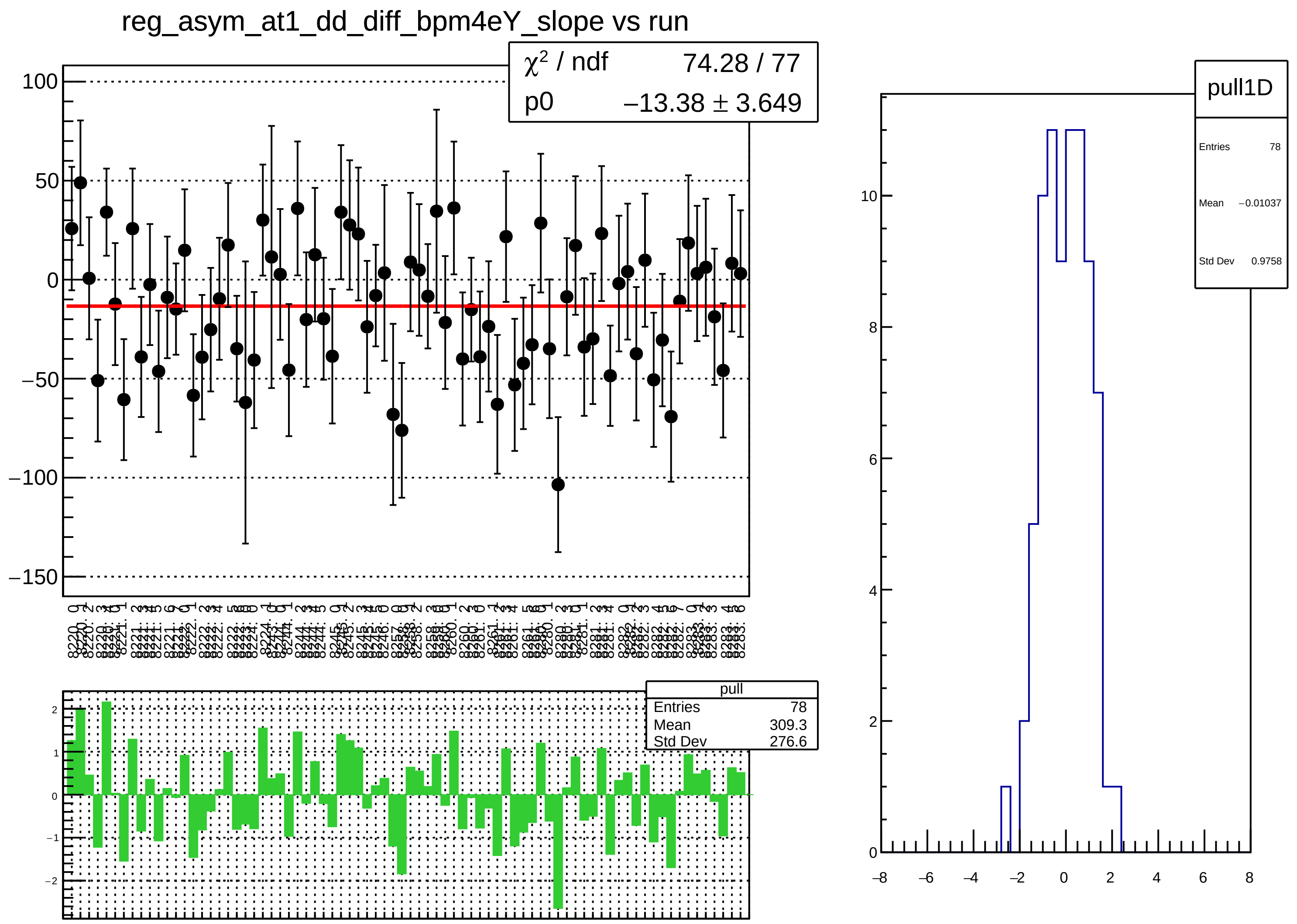




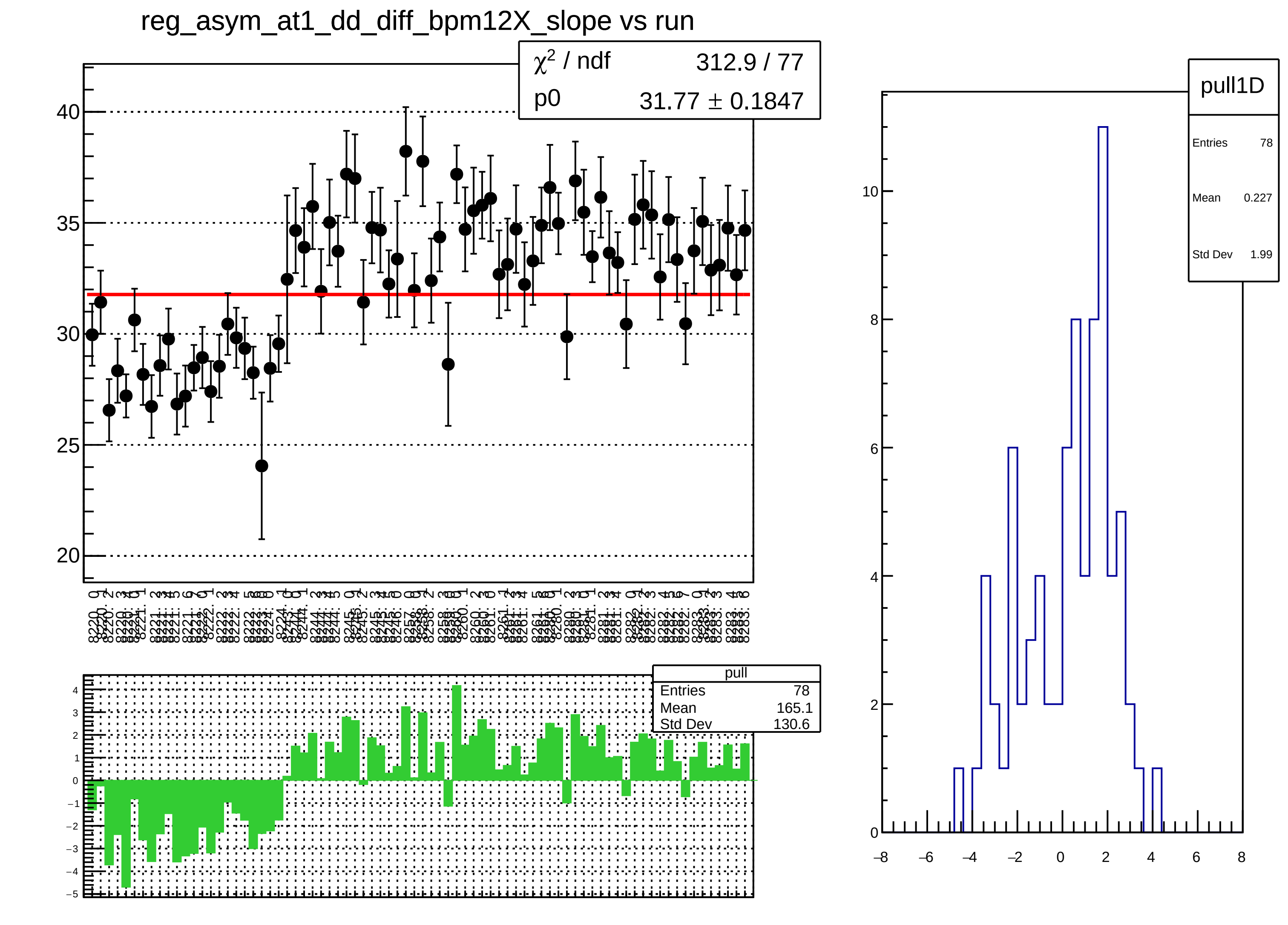

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 75.6 / 77
p0 0.6175 ± 3.464
100
50
0
−50
−100
pull
Entries 78
Mean 260
Std Dev 227.4
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.009147
Std Dev 0.9845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



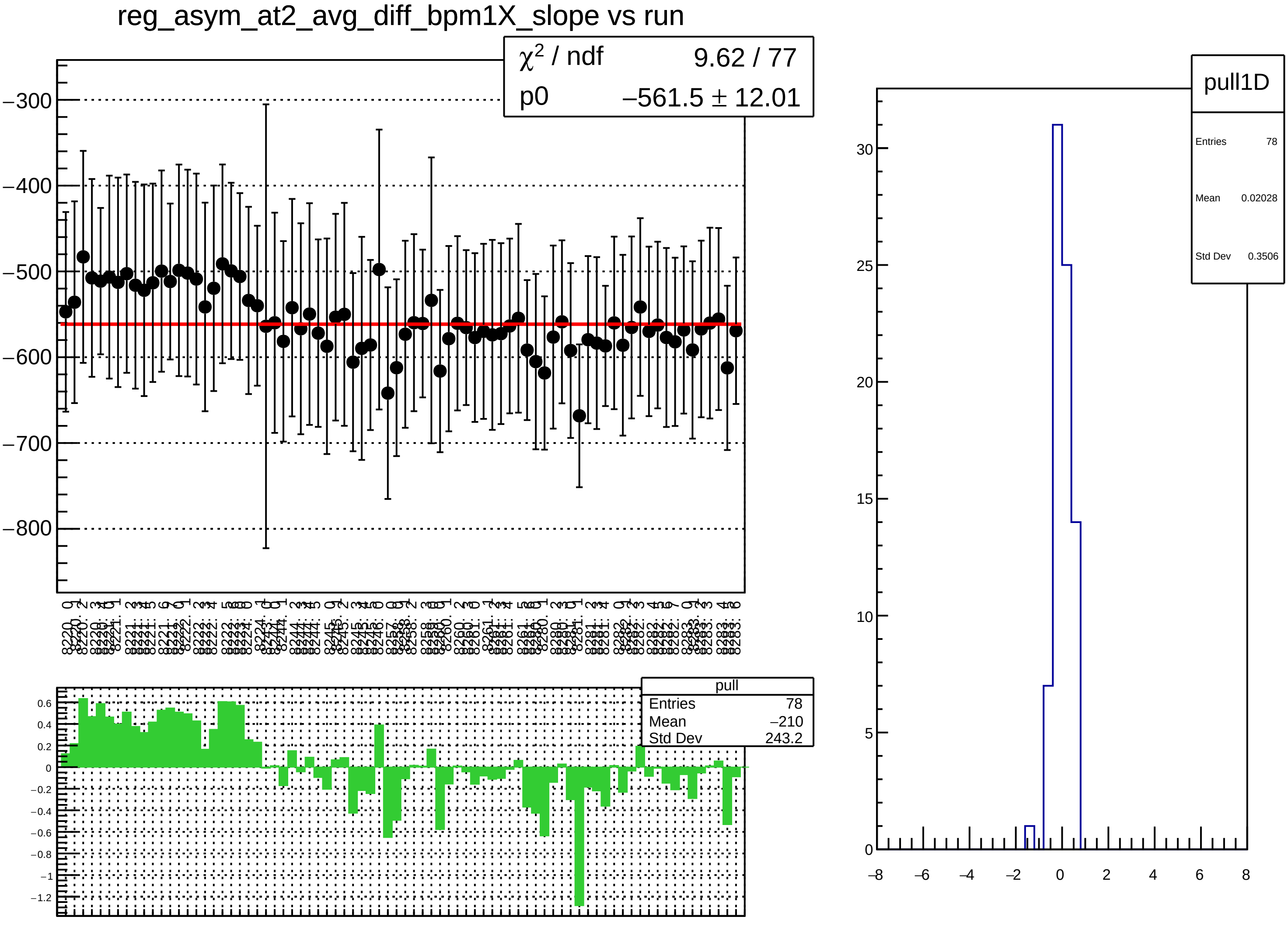
reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.77 / 77
p0 −13.56 ± 1.942
pull
Entries 78
Mean −219
Std Dev 258.5
pull1D
Entries 78
Mean −0.006213
Std Dev 0.9658

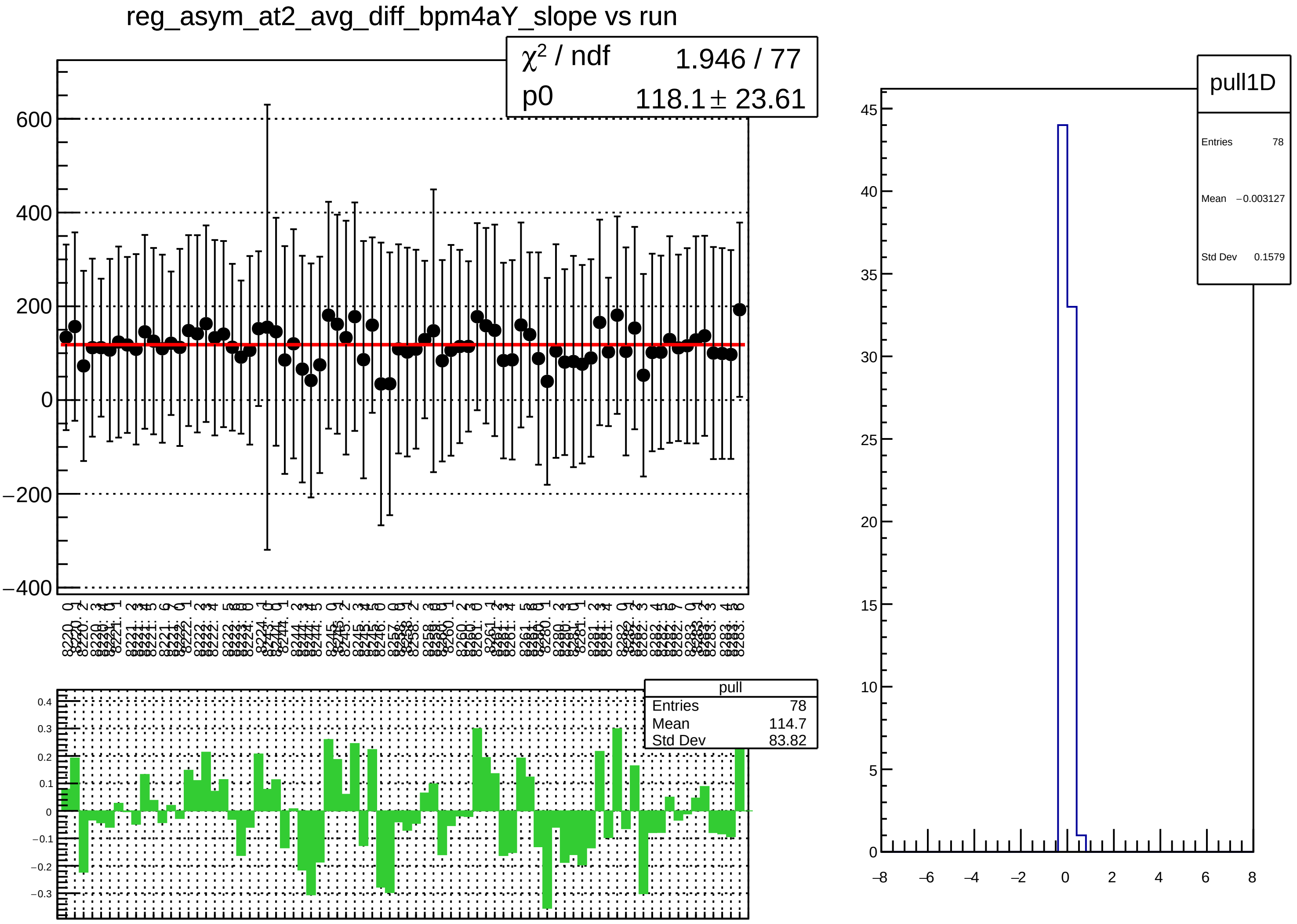


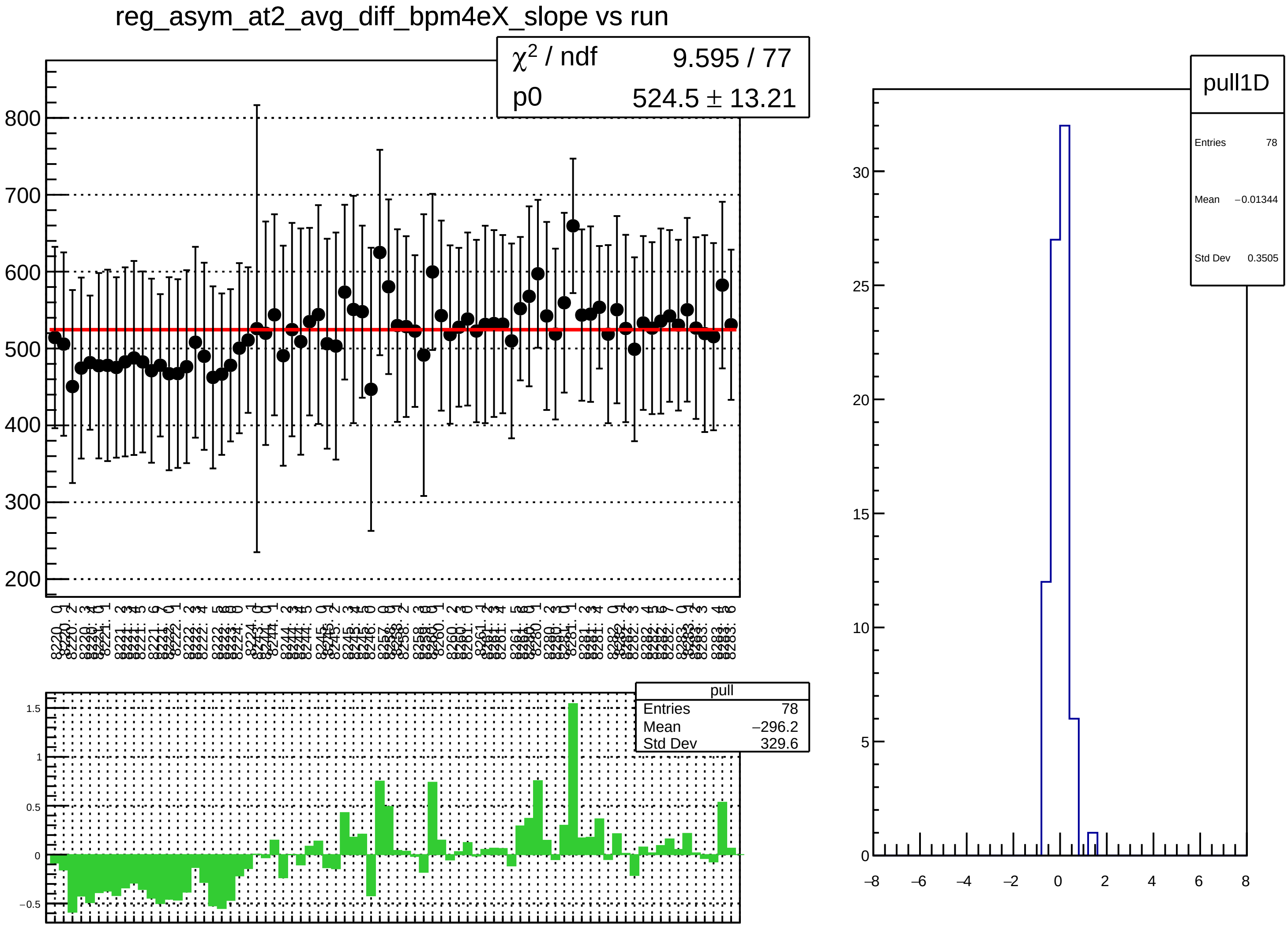
reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 74.28 / 77
p0 −13.38 ± 3.649
pull
Entries 78
Mean 309.3
Std Dev 276.6
pull1D
Entries 78
Mean −0.01037
Std Dev 0.9758



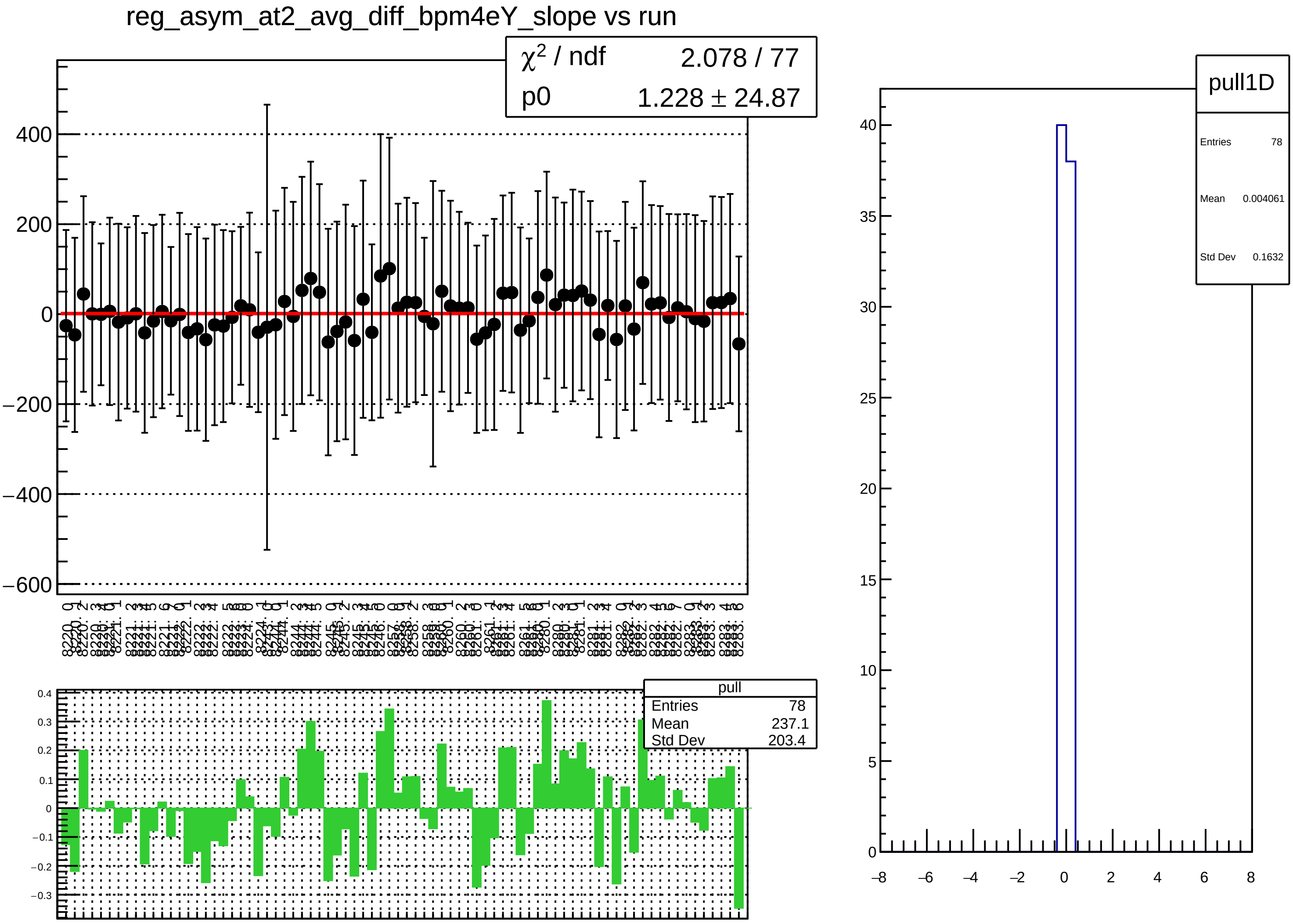
reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 312.9 / 77
p0 31.77 ± 0.1847
40
35
30
25
20
pull
Entries 78
Mean 165.1
Std Dev 130.6
pull1D
Entries 78
Mean 0.227
Std Dev 1.99
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

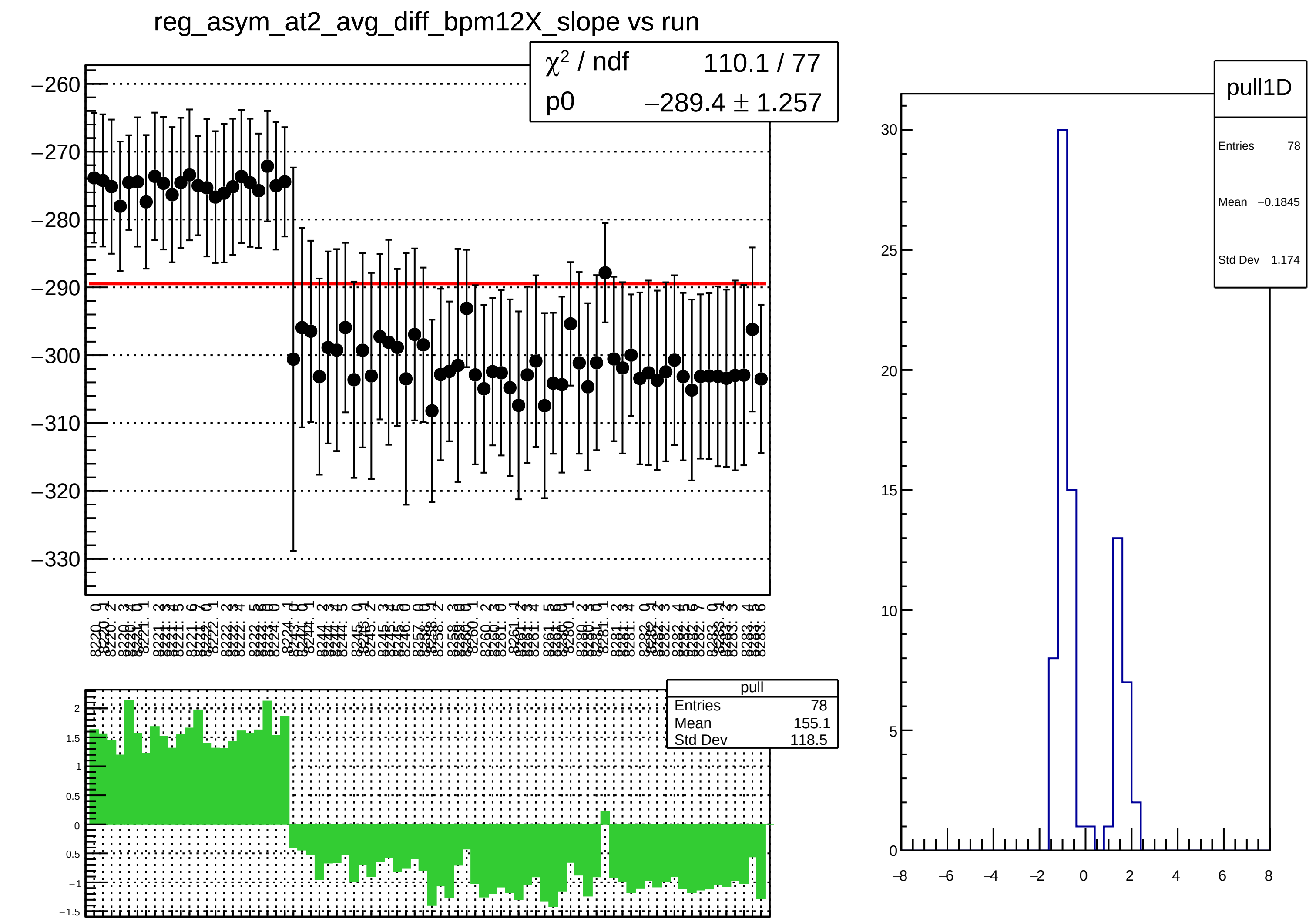

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.62 / 77
p0 −561.5 ± 12.01
pull
Entries 78
Mean −210
Std Dev 243.2
pull1D
Entries 78
Mean 0.02028
Std Dev 0.3506


reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.946 / 77
p0 118.1 ± 23.61
pull
Entries 78
Mean 114.7
Std Dev 83.82
pull1D
Entries 78
Mean −0.003127
Std Dev 0.1579

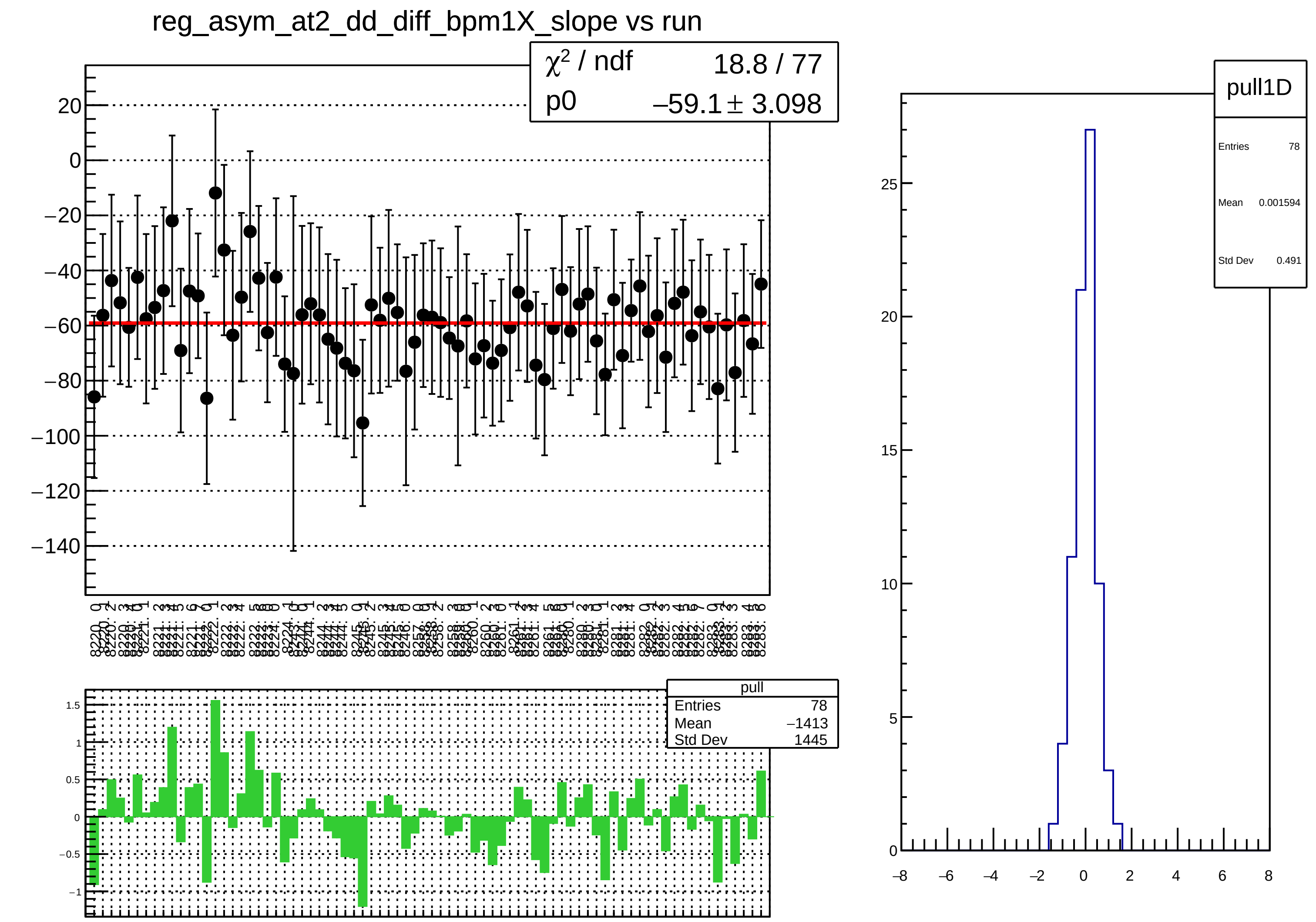


reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 9.595 / 77
p0 524.5 ± 13.21
pull
Entries 78
Mean −296.2
Std Dev 329.6
pull1D
Entries 78
Mean −0.01344
Std Dev 0.3505

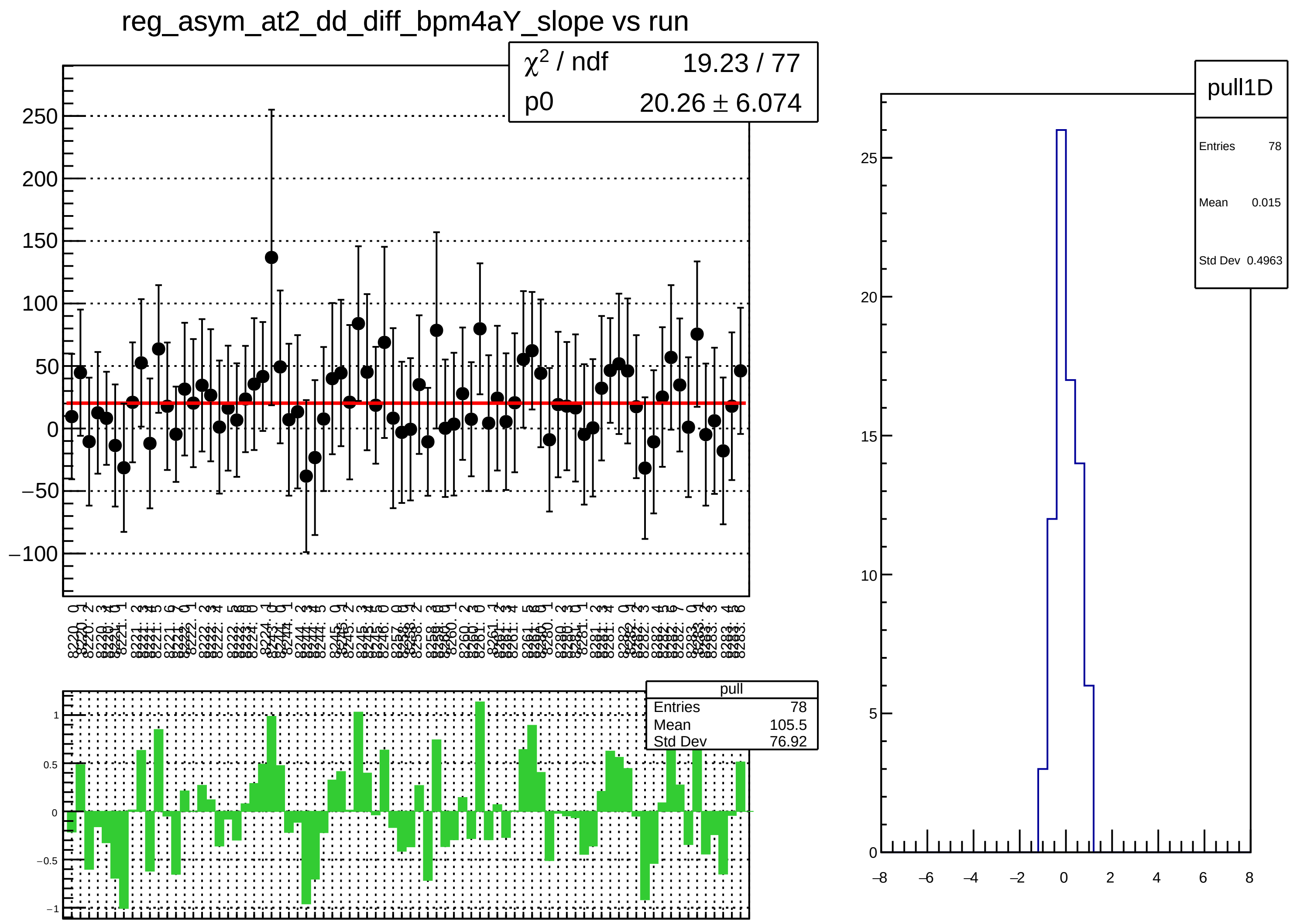

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.078 / 77
p0 1.228 ± 24.87
pull
Entries 78
Mean 237.1
Std Dev 203.4
pull1D
Entries 78
Mean 0.004061
Std Dev 0.1632



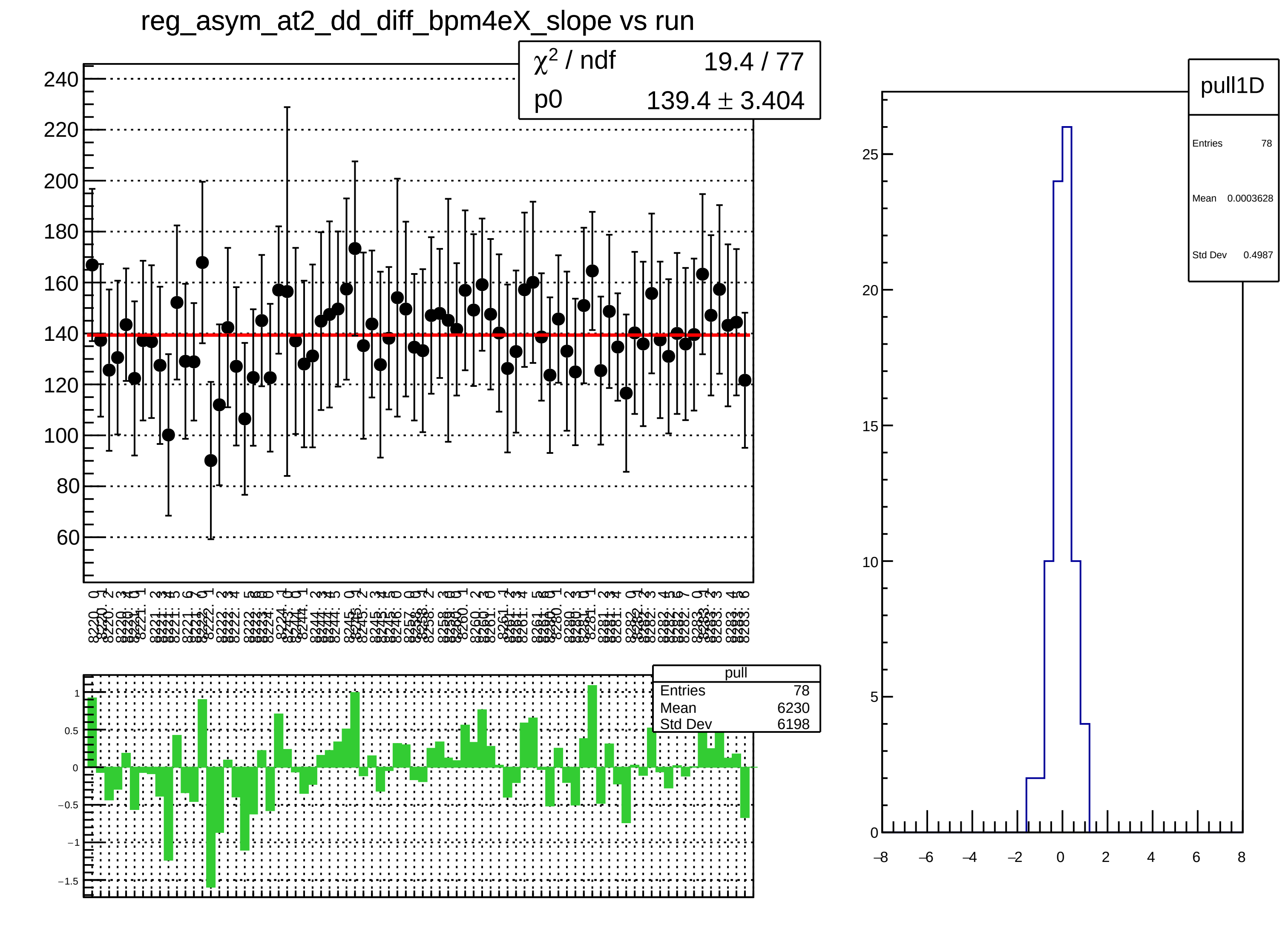
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ2 / ndf 110.1 / 77
p0 −289.4 ± 1.257
−260
−270
−280
−290
−300
−310
−320
−330
pull
Entries 78
Mean 155.1
Std Dev 118.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.1845
Std Dev 1.174
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



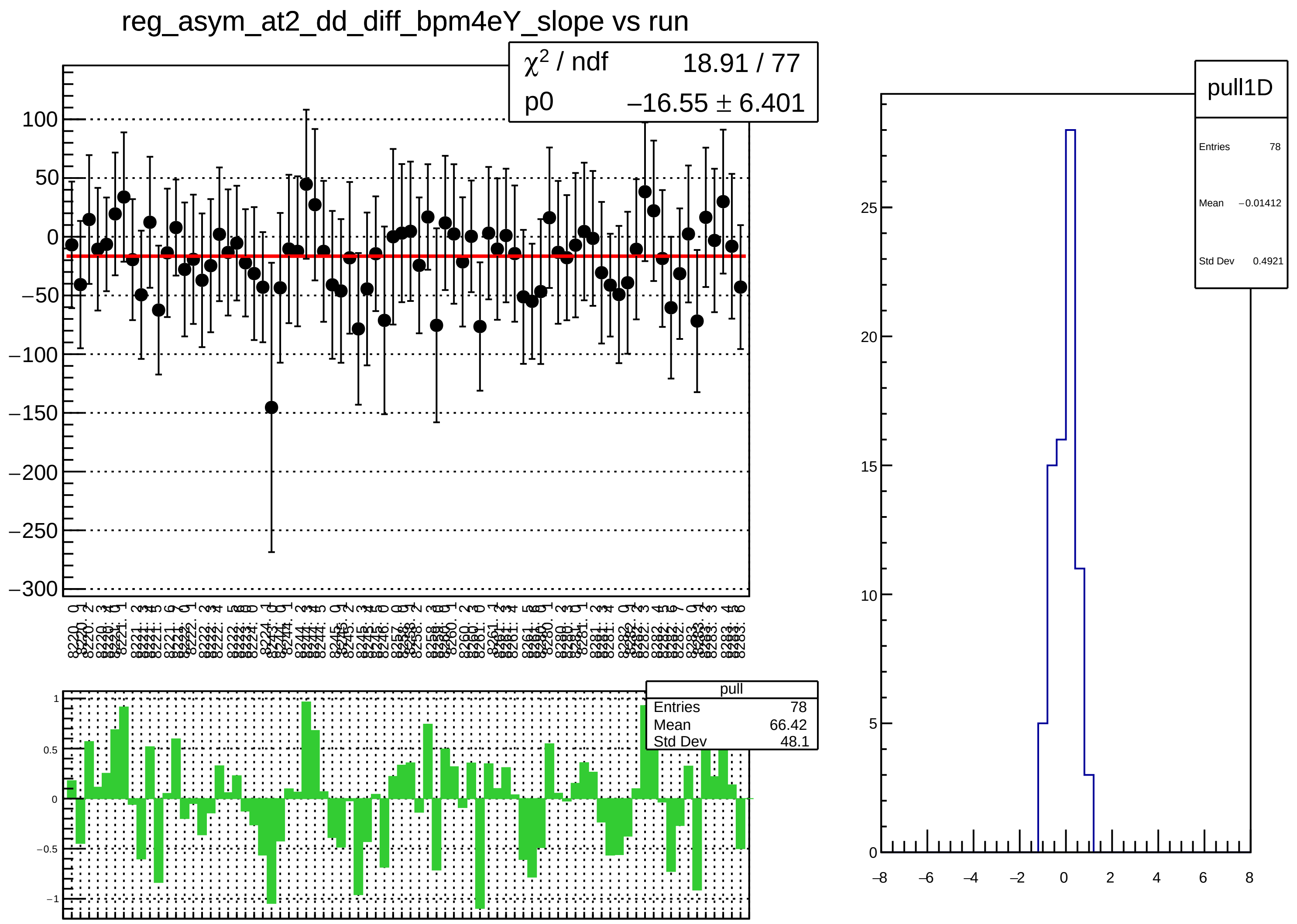
reg_asym_at2_dd_diff_bpm1X_slope vs run
χ2 / ndf 18.8 / 77
p0 −59.1 ± 3.098
pull
Entries 78
Mean −1413
Std Dev 1445
pull1D
Entries 78
Mean 0.001594
Std Dev 0.491



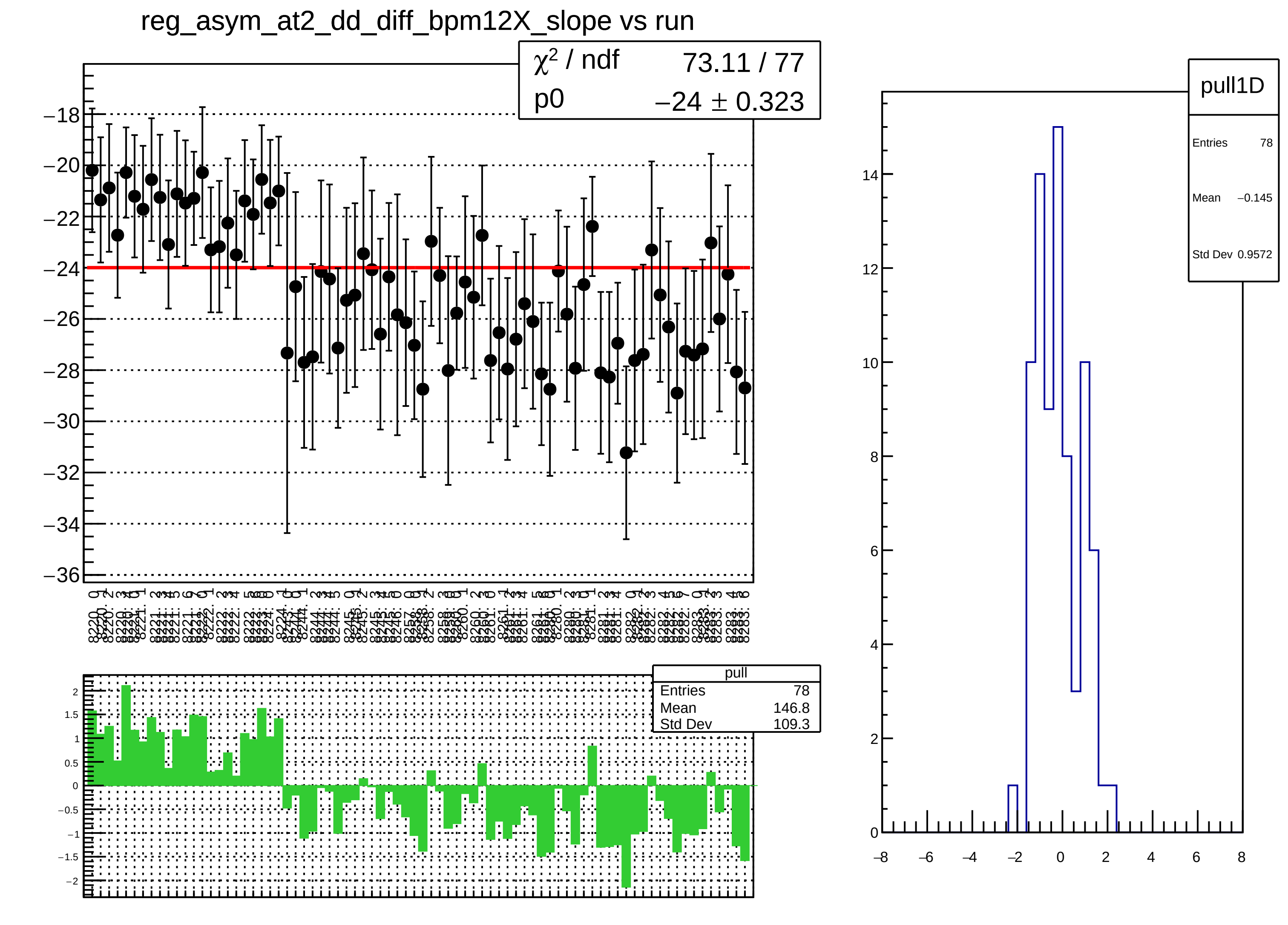
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 19.23 / 77
p0 20.26 ± 6.074
pull
Entries 78
Mean 105.5
Std Dev 76.92
pull1D
Entries 78
Mean 0.015
Std Dev 0.4963



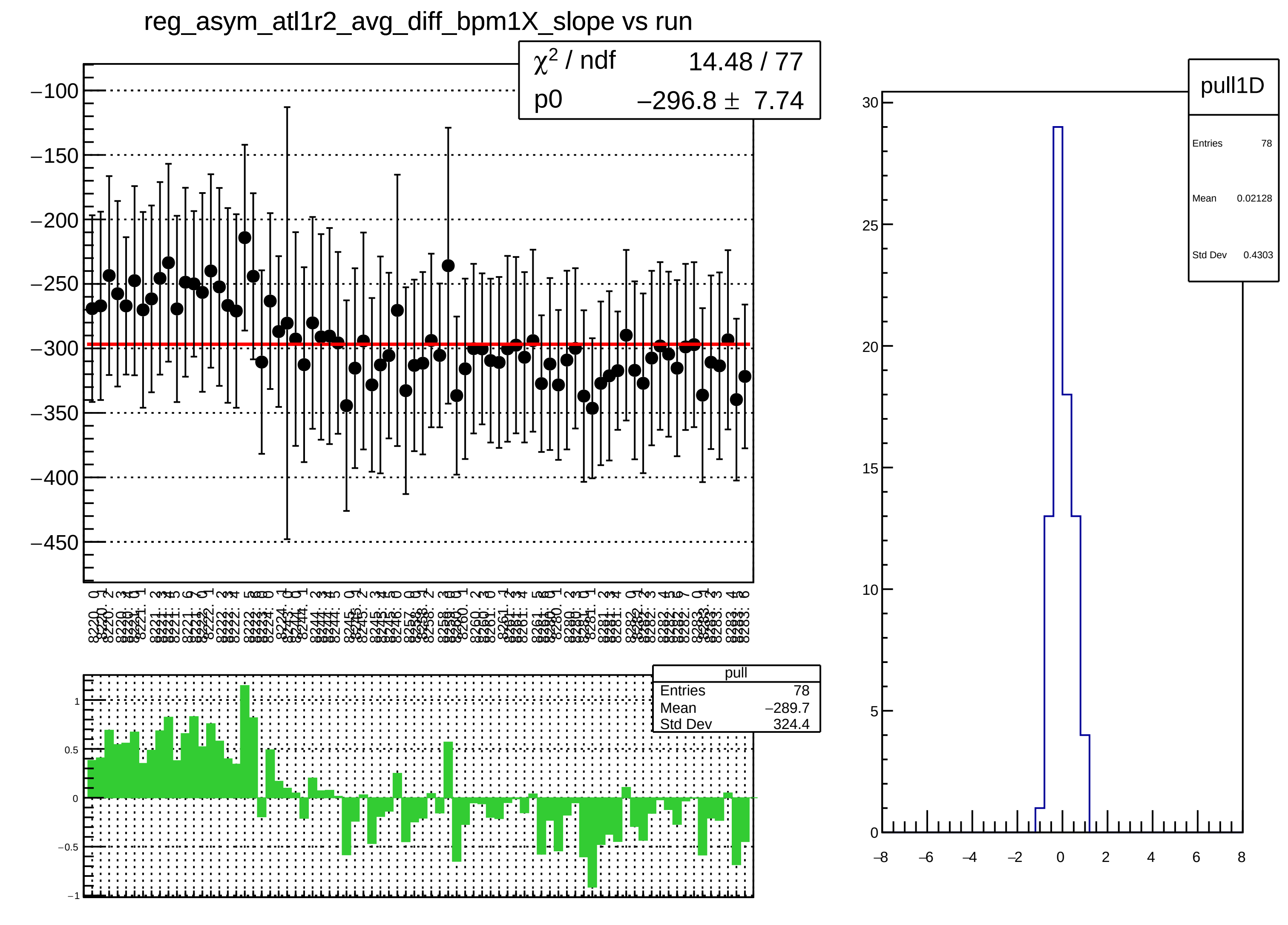
reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 19.4 / 77
p0 139.4 ± 3.404
240
220
200
180
160
140
120
100
80
60
pull
Entries 78
Mean 6230
Std Dev 6198
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean 0.0003628
Std Dev 0.4987
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



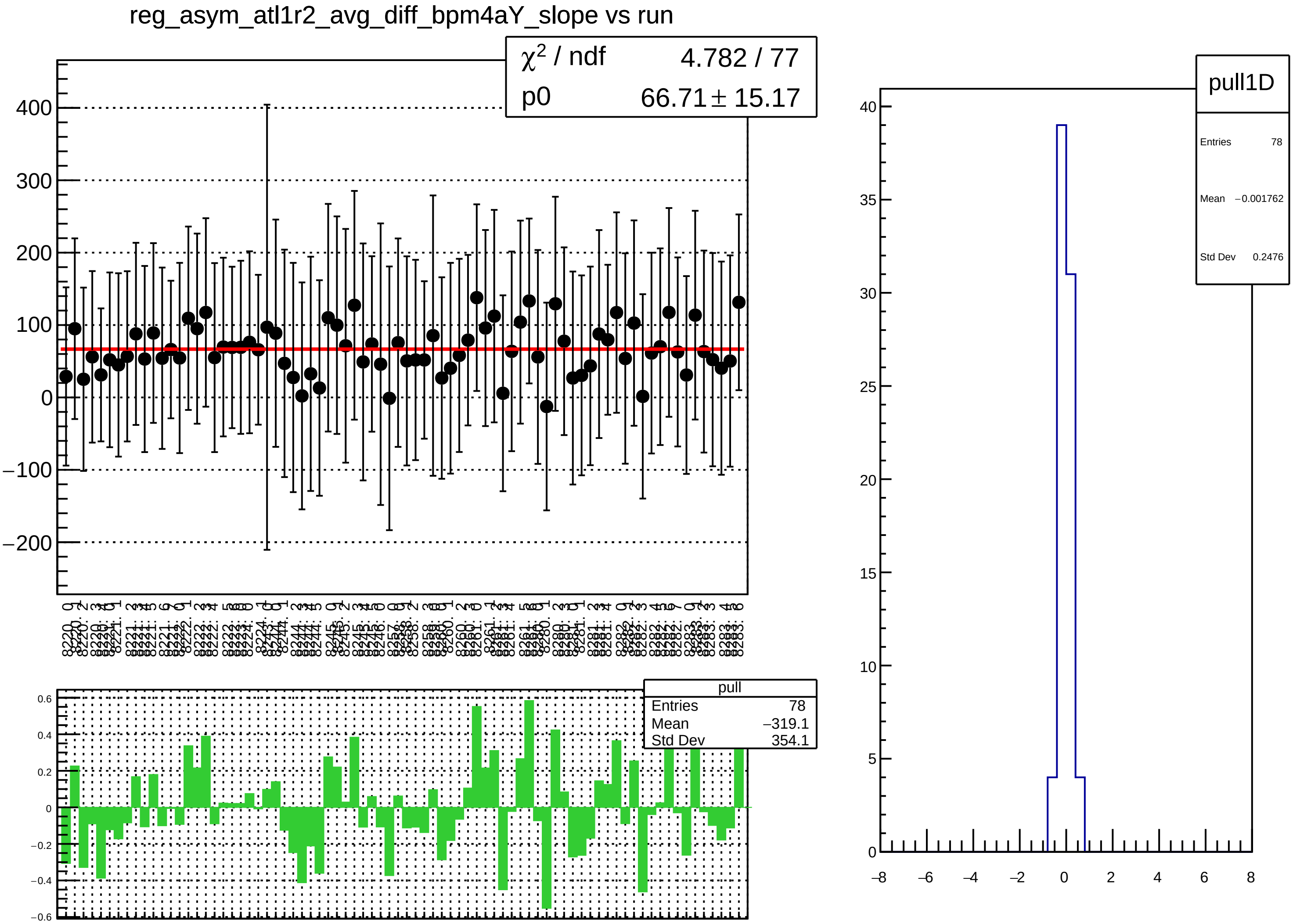
reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 18.91 / 77
p0 −16.55 ± 6.401
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 78
Mean 66.42
Std Dev 48.1
1
0.5
0
−0.5
−1
pull1D
Entries 78
Mean −0.01412
Std Dev 0.4921
25
20
15
10
5
0
−8 −6 −4 −2 0 2 4 6 8

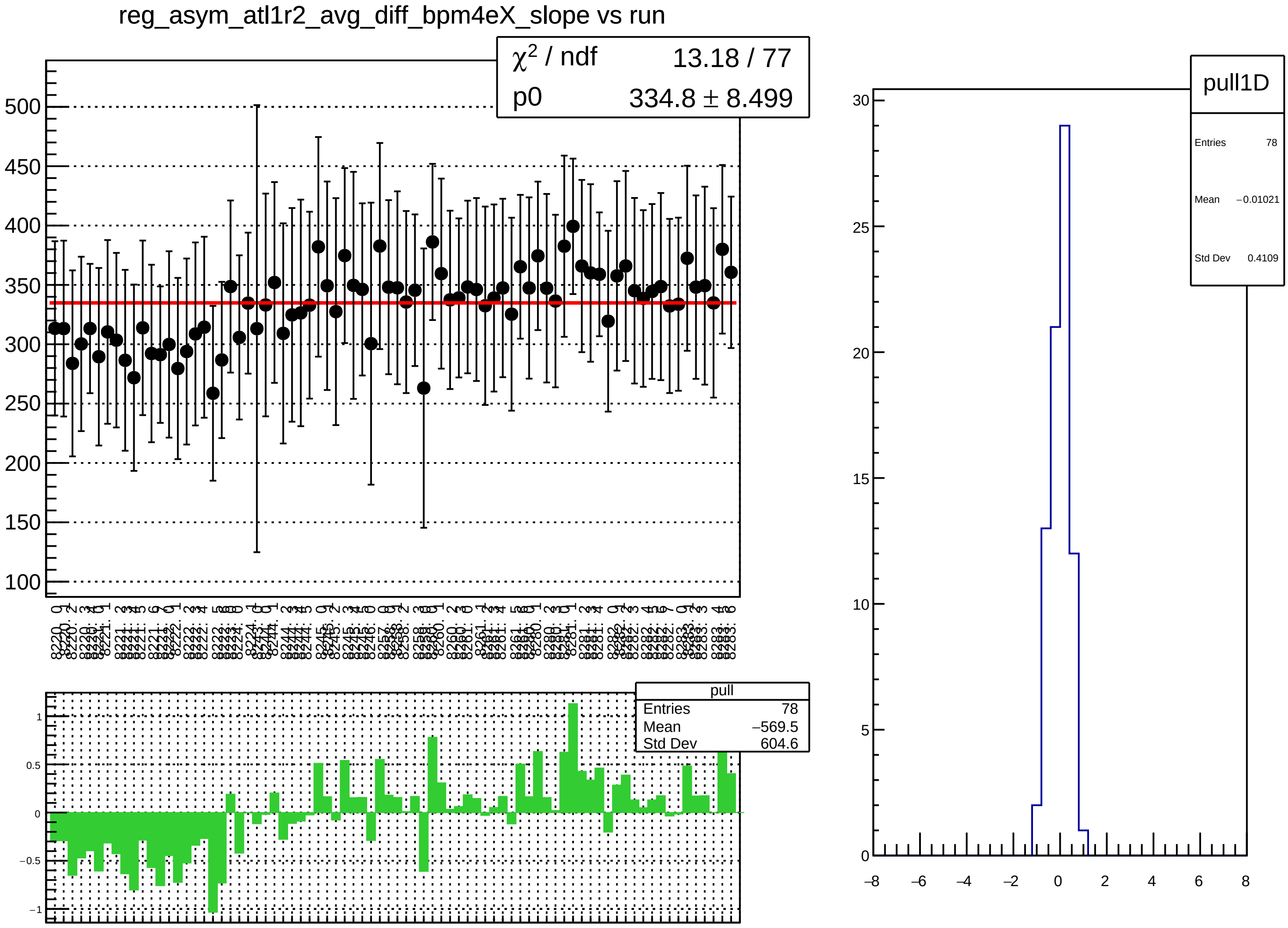


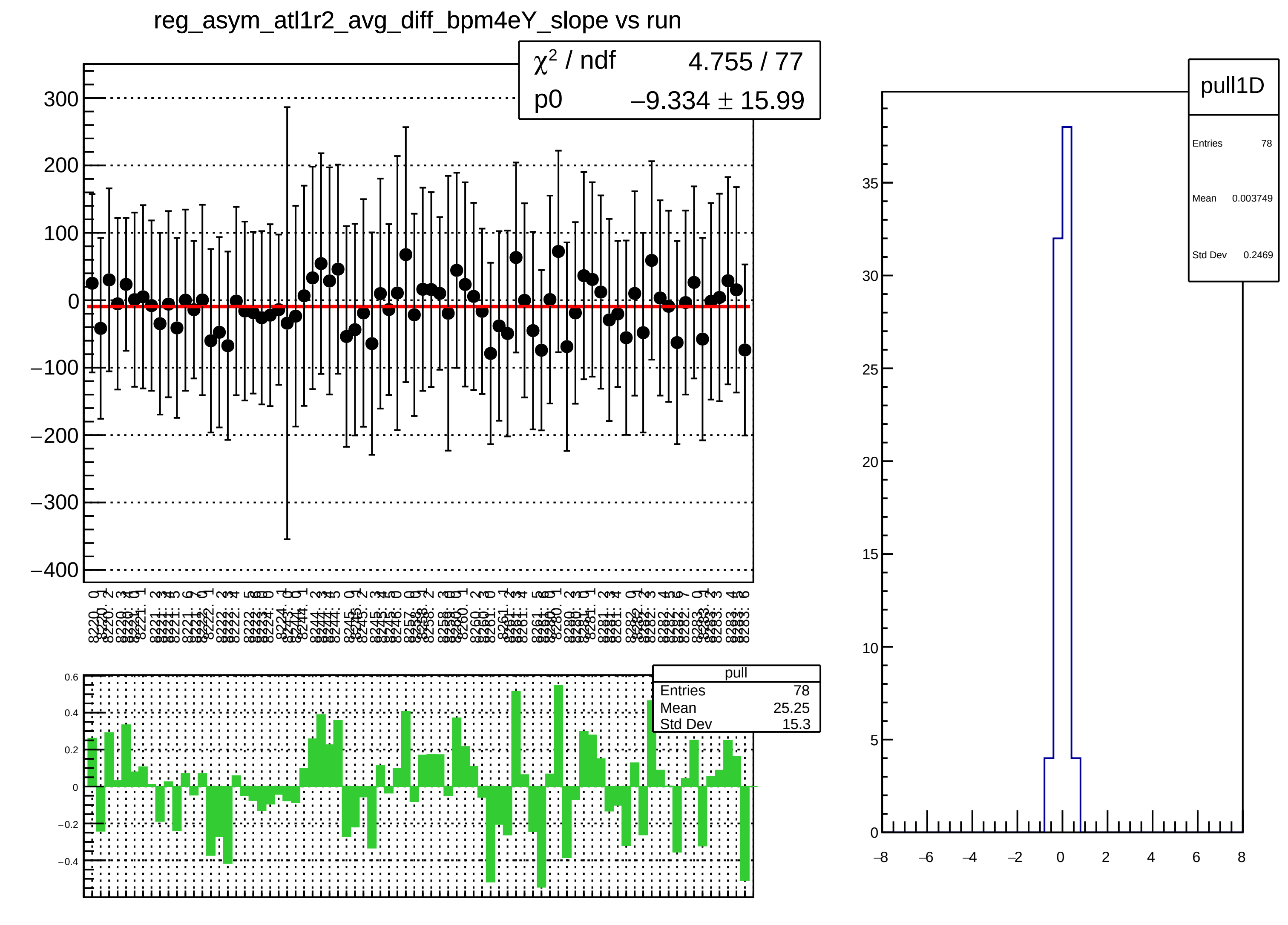
reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 73.11 / 77
p0 −24 ± 0.323
pull
Entries 78
Mean 146.8
Std Dev 109.3
pull1D
Entries 78
Mean −0.145
Std Dev 0.9572

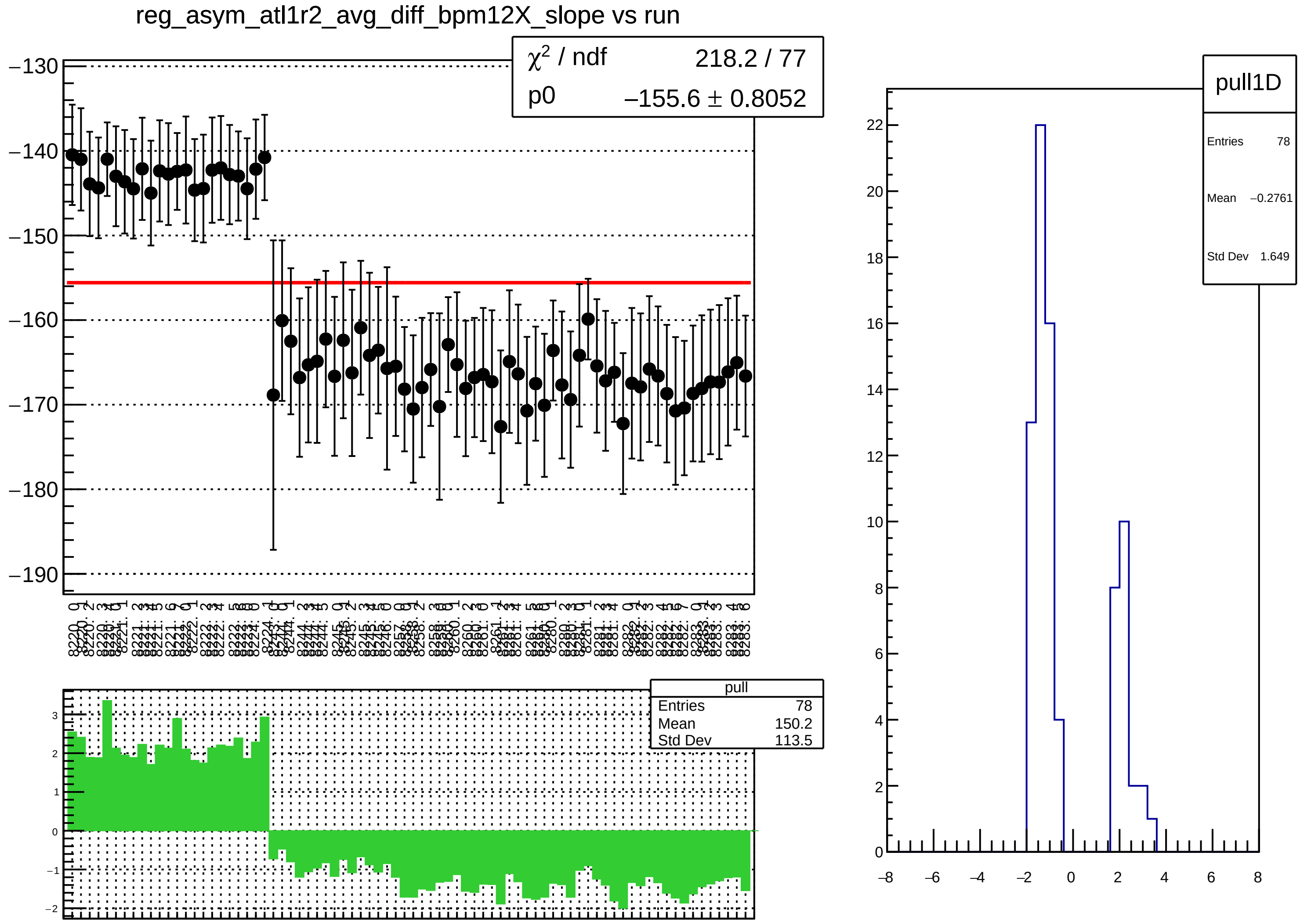


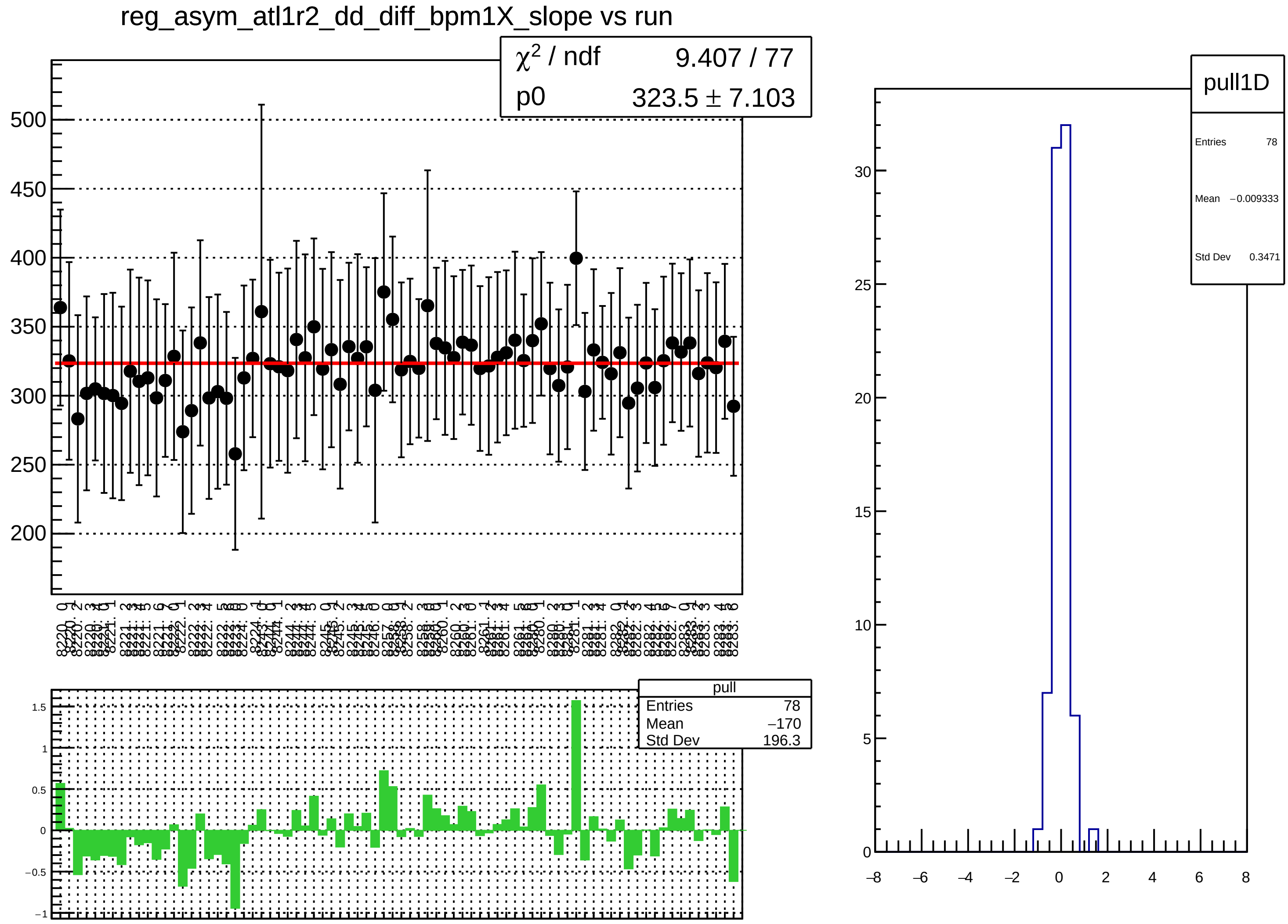
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 14.48 / 77
p0 −296.8 ± 7.74
pull
Entries 78
Mean −289.7
Std Dev 324.4
pull1D
Entries 78
Mean 0.02128
Std Dev 0.4303


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.782 / 77
p0 66.71 ± 15.17
400
300
200
100
0
−100
−200
pull
Entries 78
Mean −319.1
Std Dev 354.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 78
Mean −0.001762
Std Dev 0.2476
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

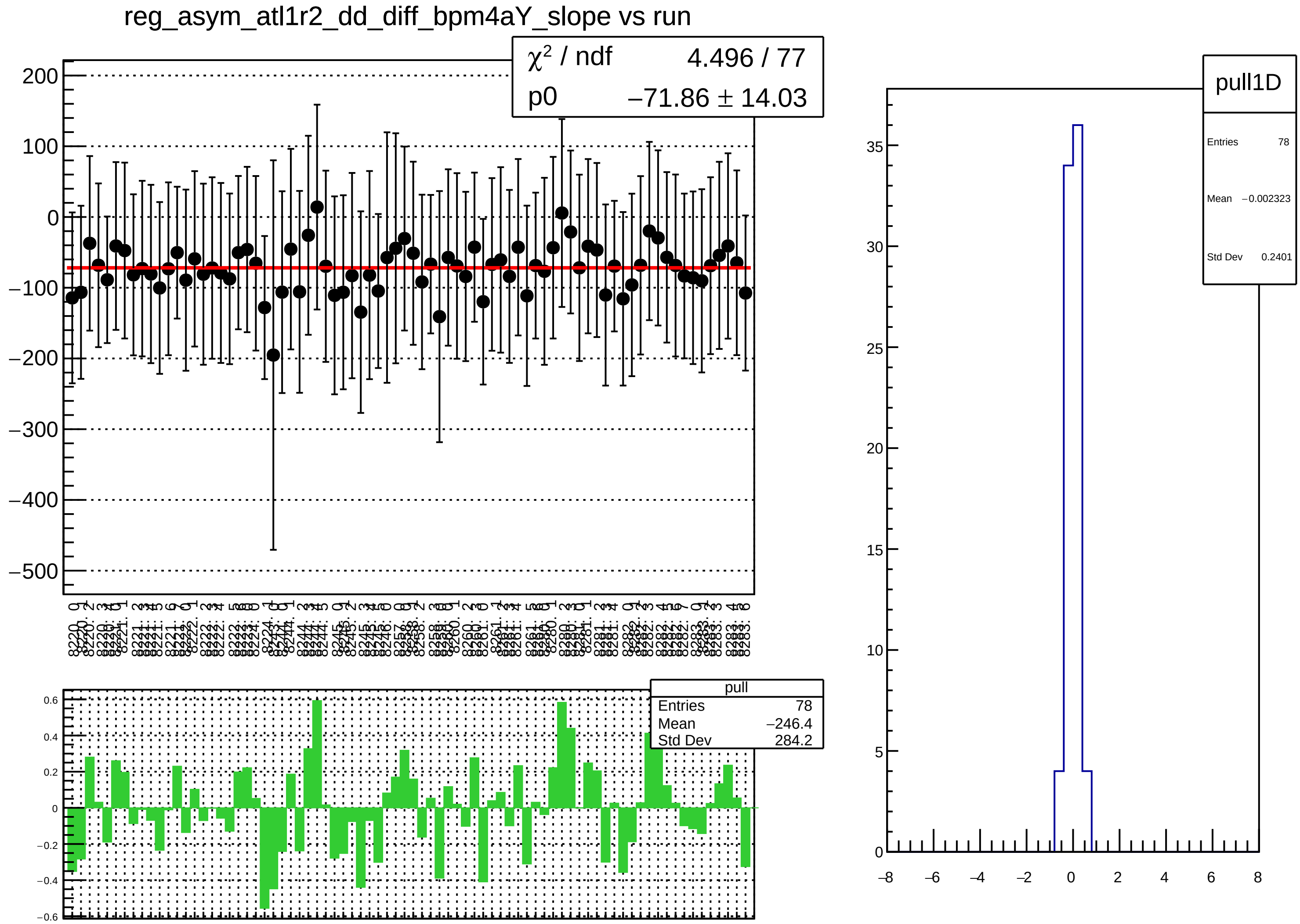

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 13.18 / 77
p0 334.8 ± 8.499
pull
Entries 78
Mean −569.5
Std Dev 604.6
pull1D
Entries 78
Mean −0.01021
Std Dev 0.4109


reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.755 / 77
p0 −9.334 ± 15.99
pull
Entries 78
Mean 25.25
Std Dev 15.3
pull1D
Entries 78
Mean 0.003749
Std Dev 0.2469

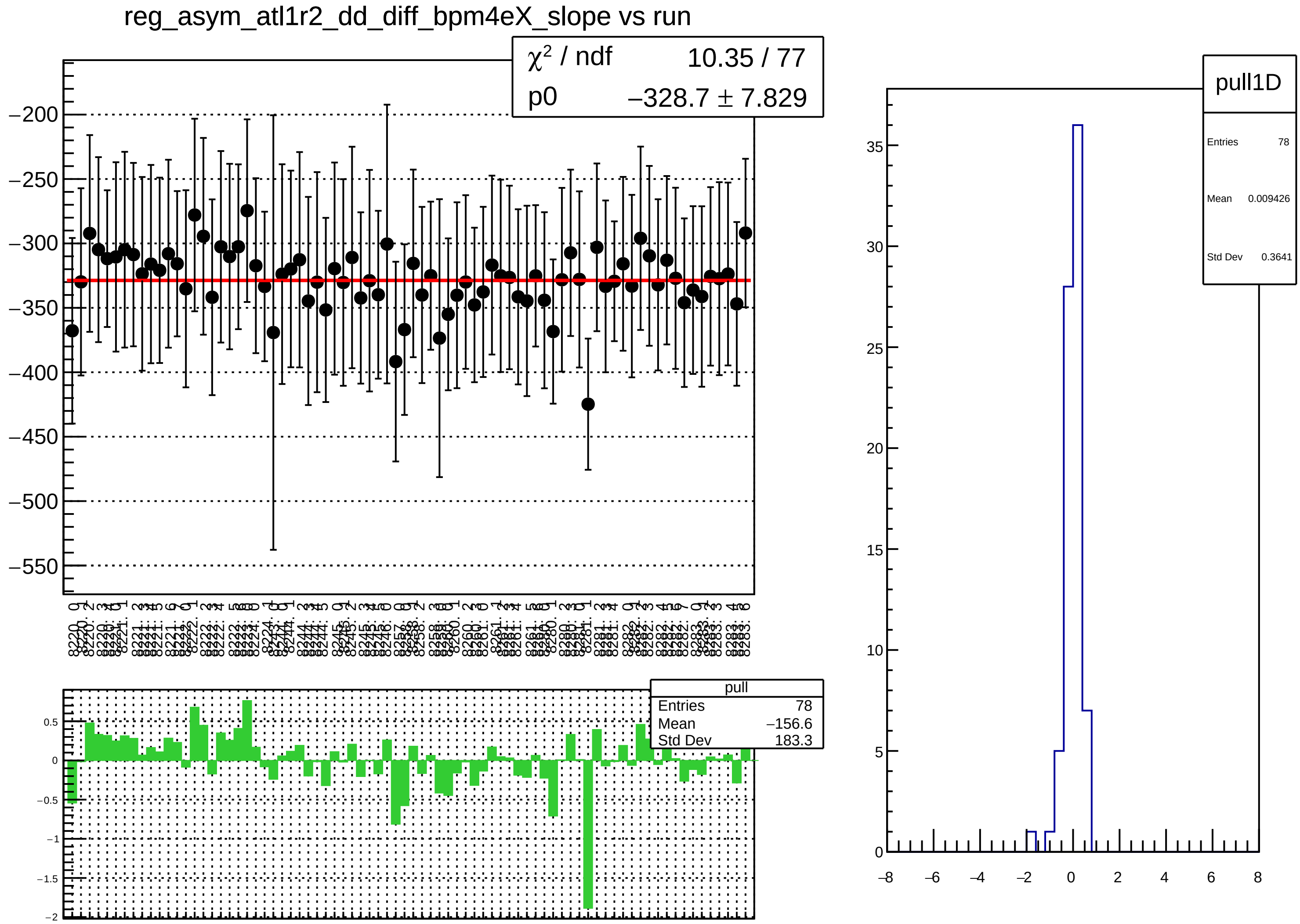

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 218.2 / 77
p0 −155.6 ± 0.8052
−130
−140
−150
−160
−170
−180
−190
pull
Entries 78
Mean 150.2
Std Dev 113.5
pull1D
Entries 78
Mean −0.2761
Std Dev 1.649



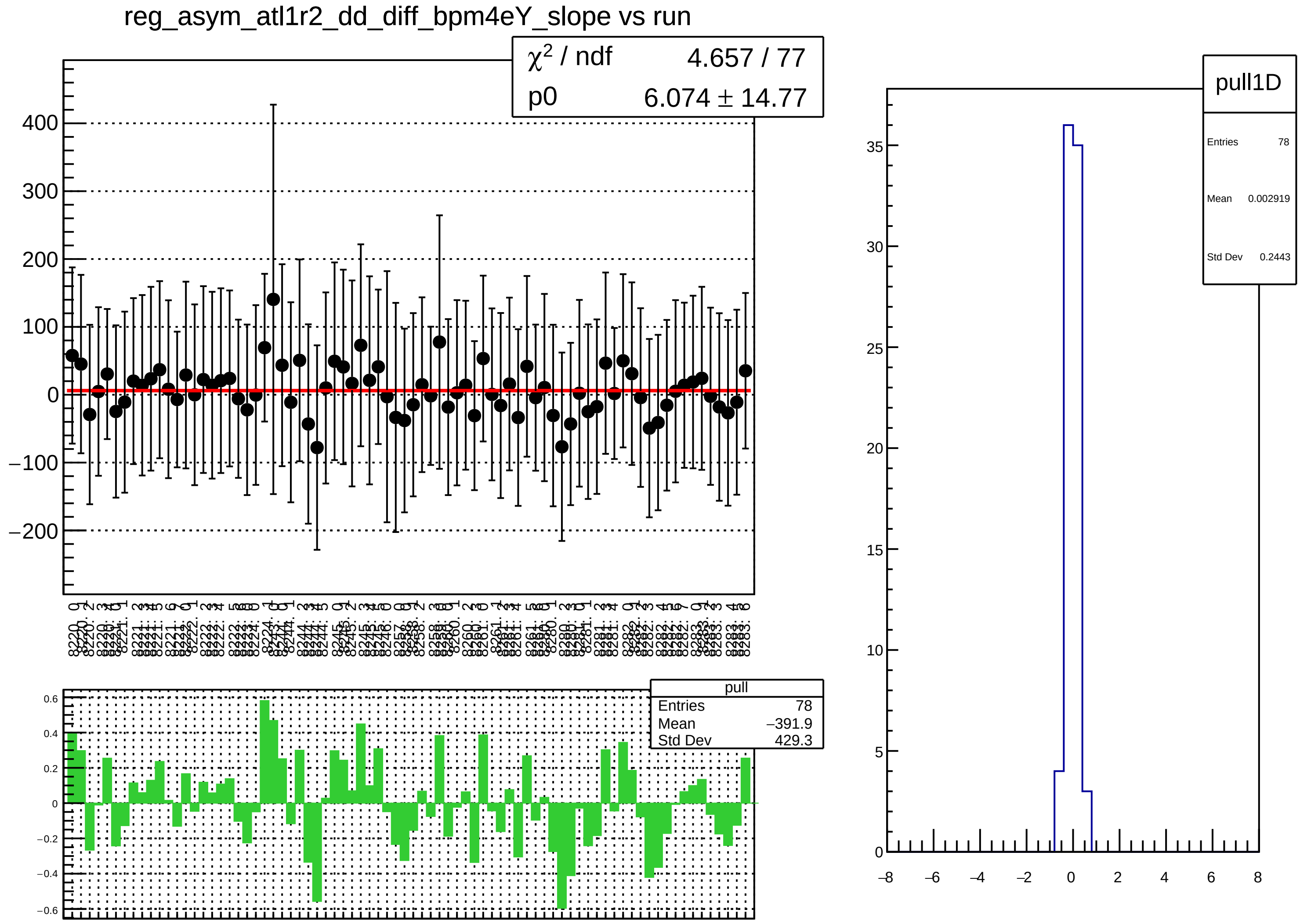
reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.407 / 77
p0 323.5 ± 7.103
pull
Entries 78
Mean −170
Std Dev 196.3
pull1D
Entries 78
Mean −0.009333
Std Dev 0.3471

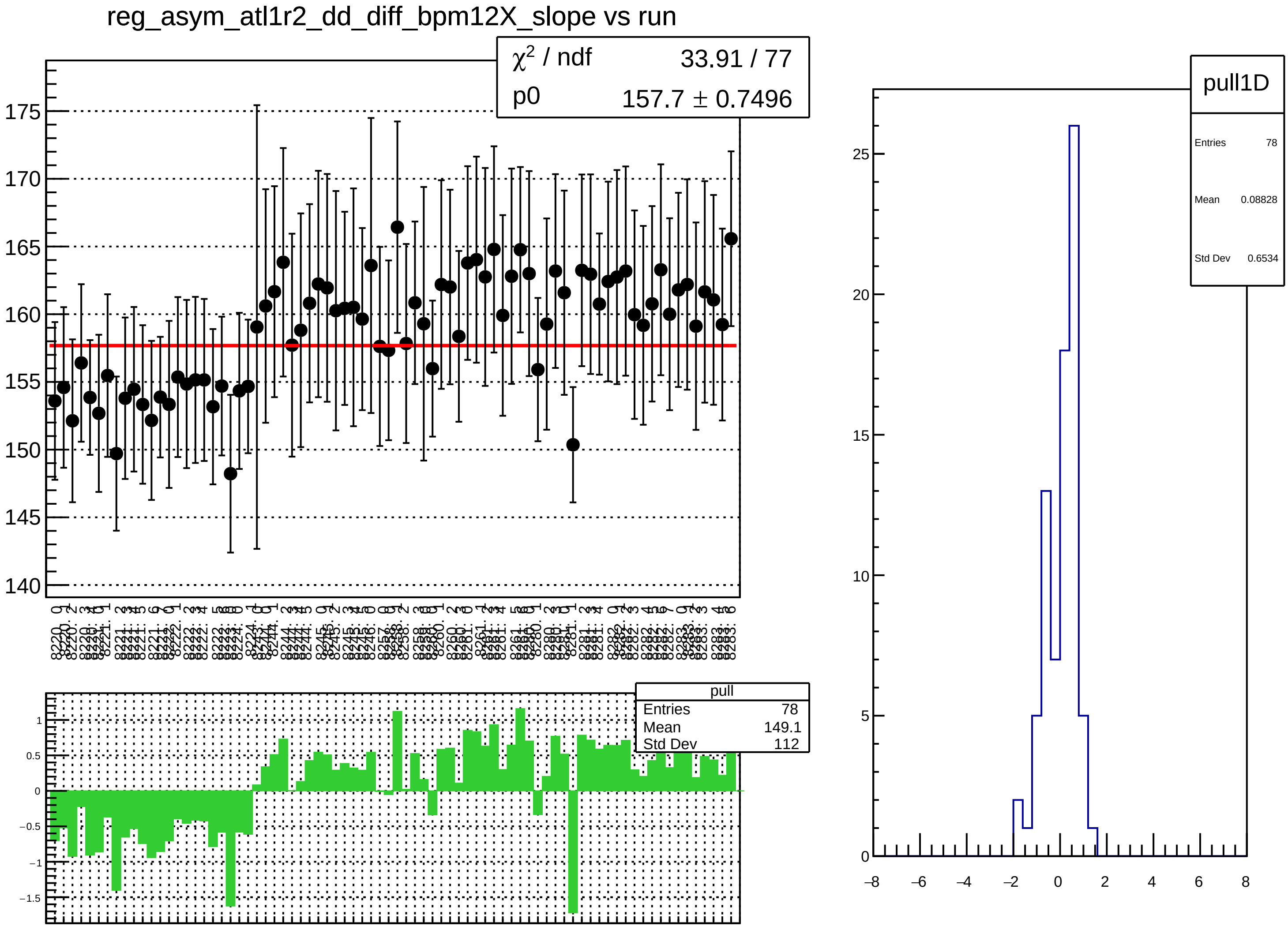


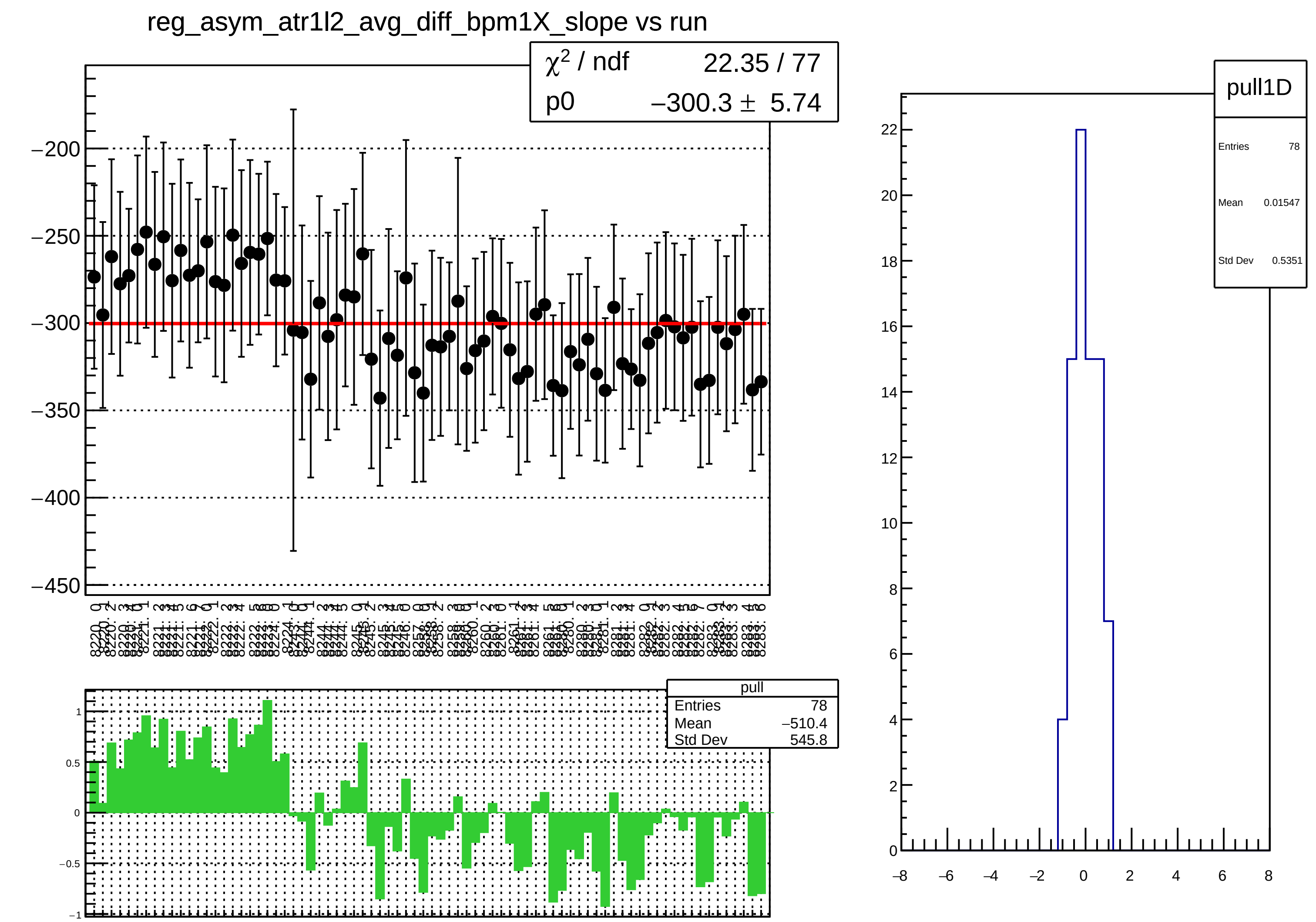
reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 4.496 / 77
p0 −71.86 ± 14.03
pull
Entries 78
Mean −246.4
Std Dev 284.2
pull1D
Entries 78
Mean −0.002323
Std Dev 0.2401



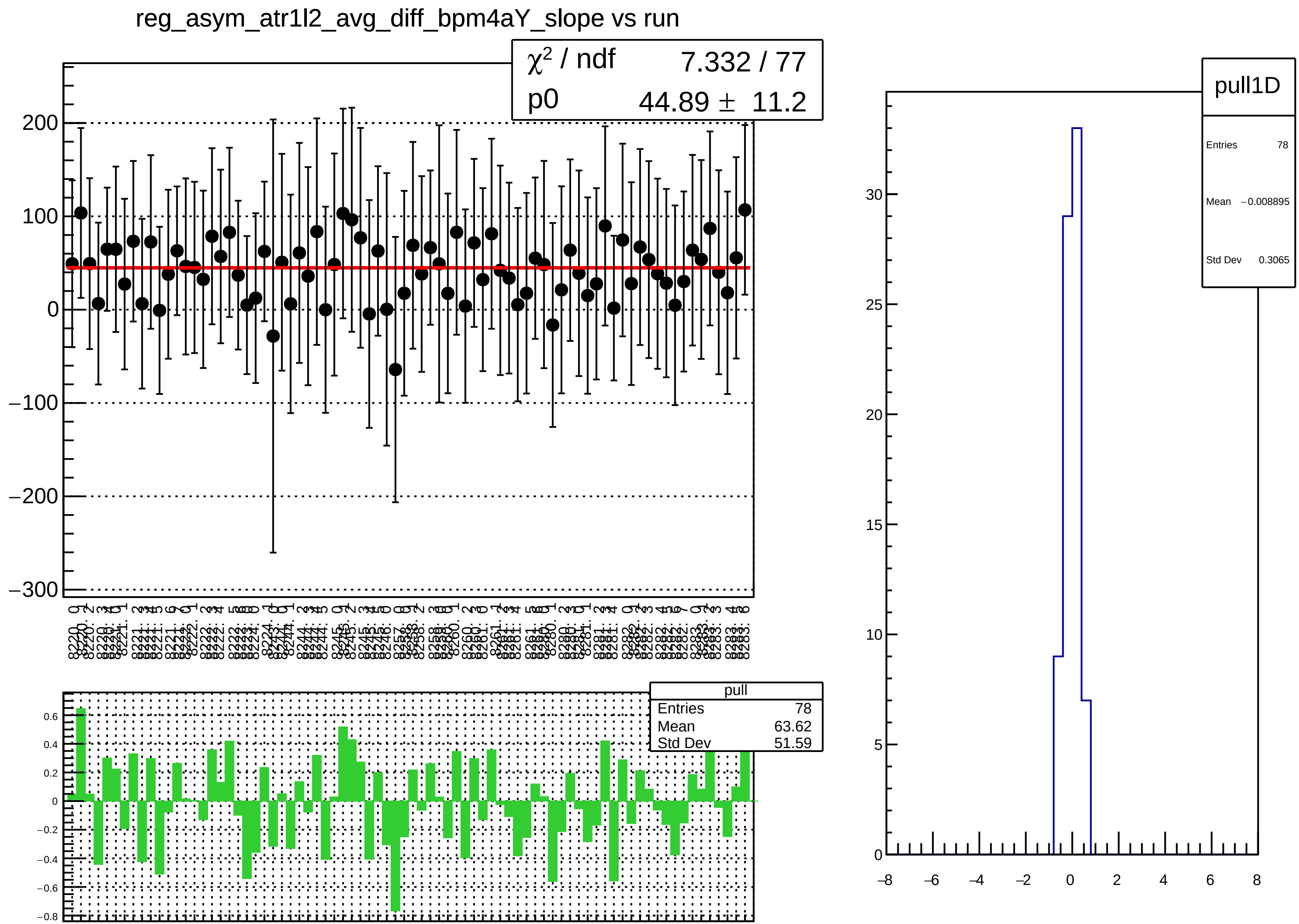
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 10.35 / 77
p0 −328.7 ± 7.829
pull
Entries 78
Mean −156.6
Std Dev 183.3
pull1D
Entries 78
Mean 0.009426
Std Dev 0.3641

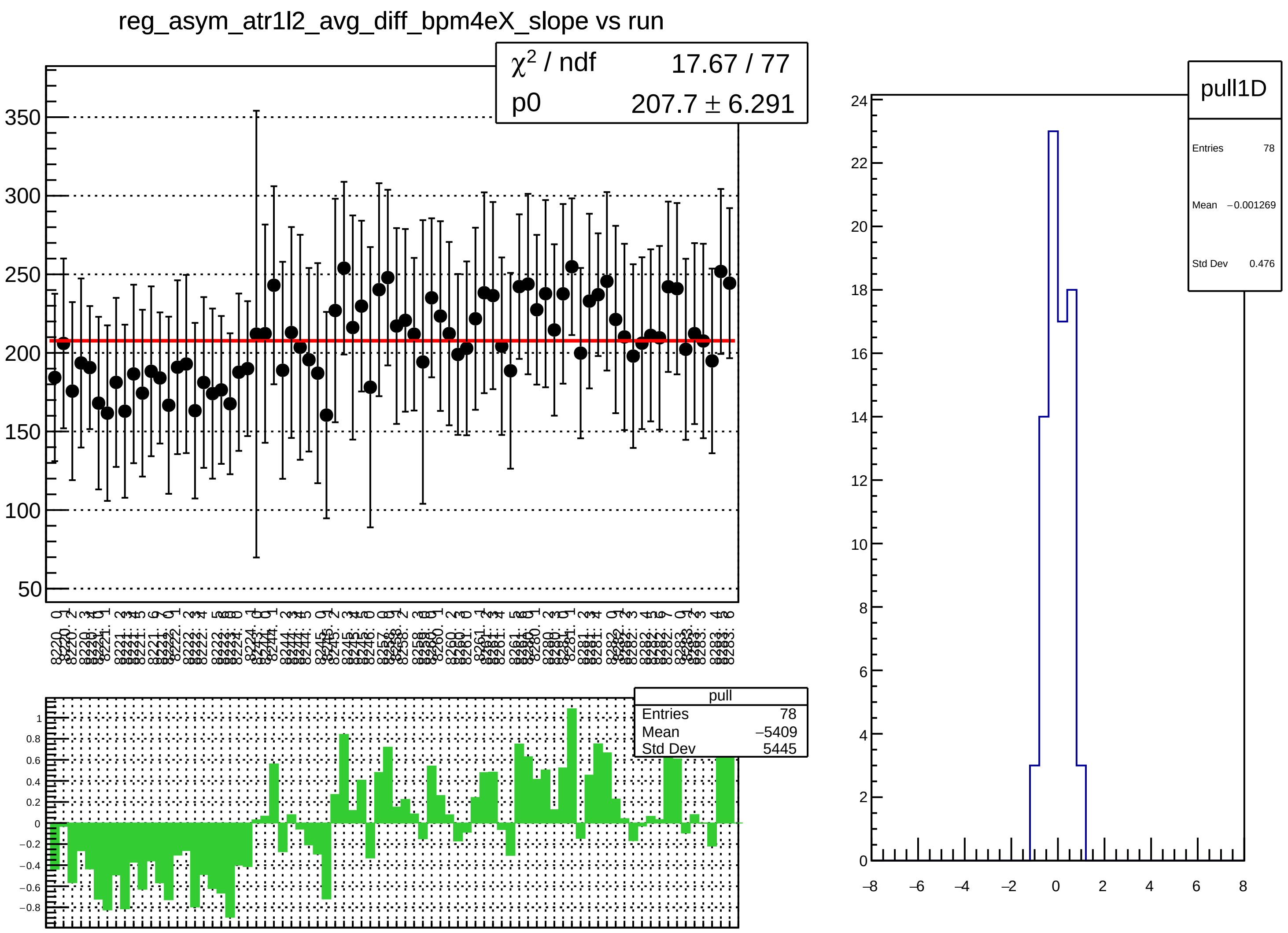

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.657 / 77
p0 6.074 ± 14.77
pull
Entries 78
Mean −391.9
Std Dev 429.3
pull1D
Entries 78
Mean 0.002919
Std Dev 0.2443


reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ2 / ndf 33.91 / 77
p0 157.7 ± 0.7496
175
170
165
160
155
150
145
140
pull
Entries 78
Mean 149.1
Std Dev 112
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean 0.08828
Std Dev 0.6534
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

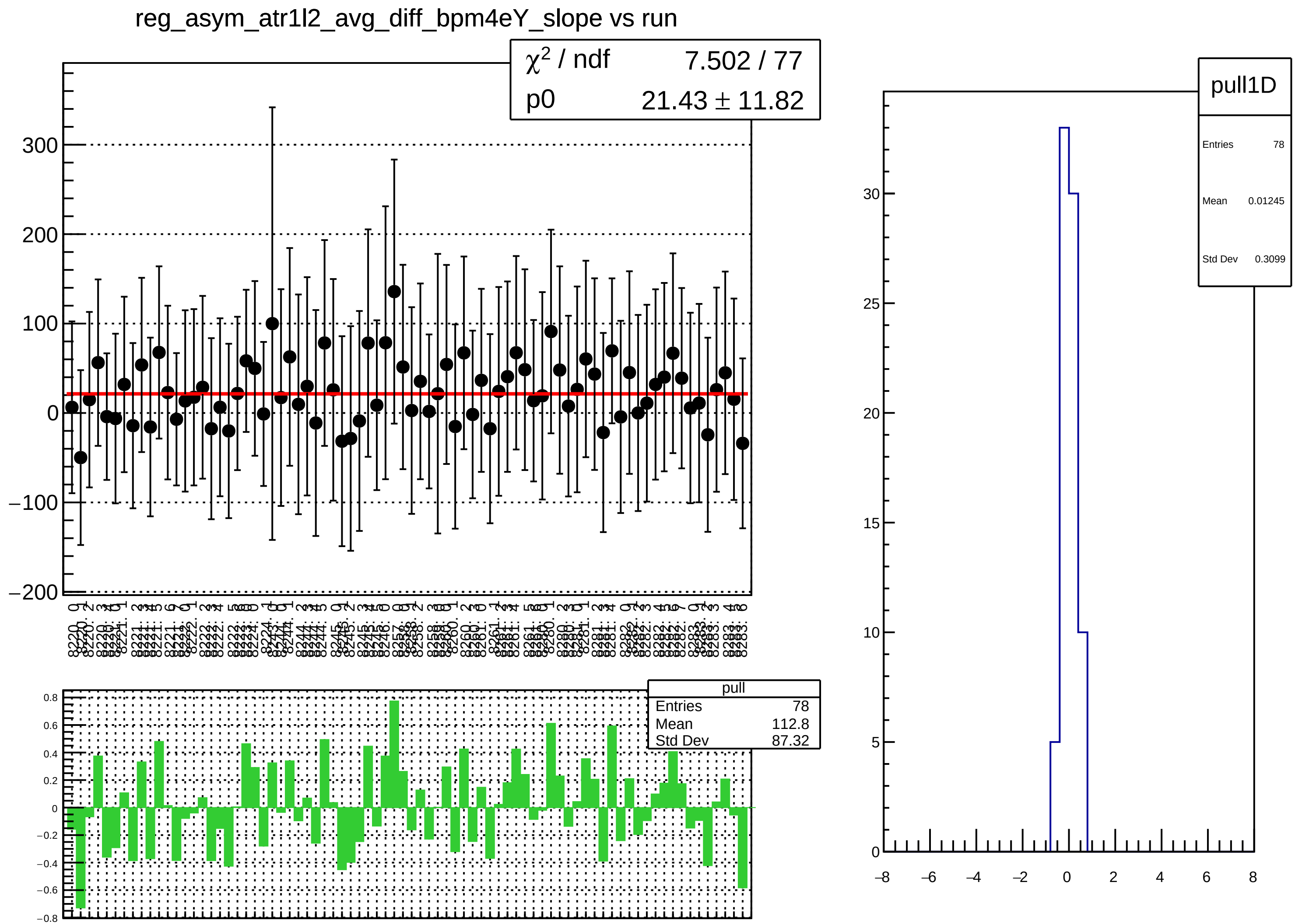


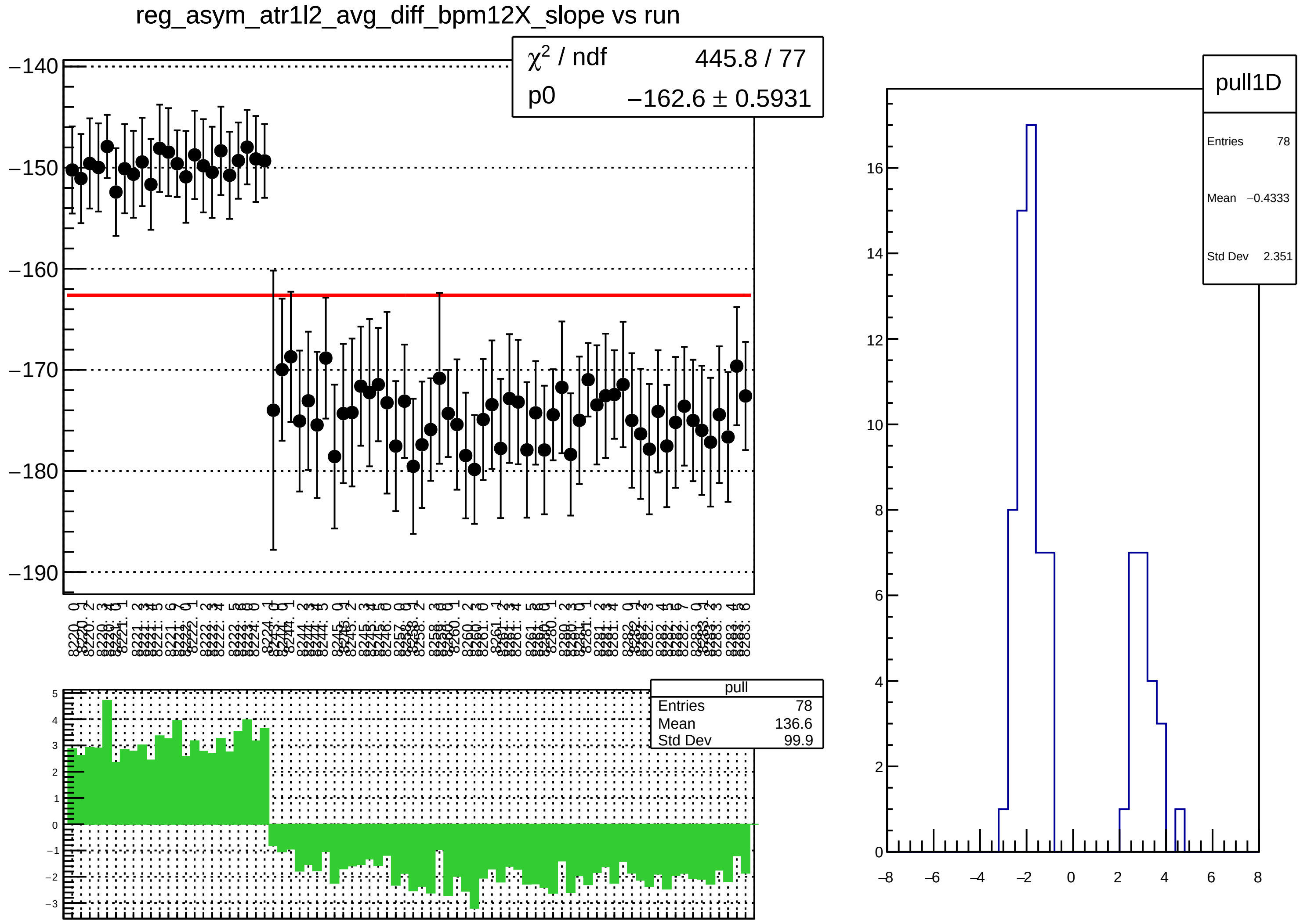
reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 22.35 / 77
p0 −300.3 ± 5.74
pull
Entries 78
Mean −510.4
Std Dev 545.8
pull1D
Entries 78
Mean 0.01547
Std Dev 0.5351


reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 7.332 / 77
p0 44.89 ± 11.2
pull
Entries 78
Mean 63.62
Std Dev 51.59
pull1D
Entries 78
Mean −0.008895
Std Dev 0.3065

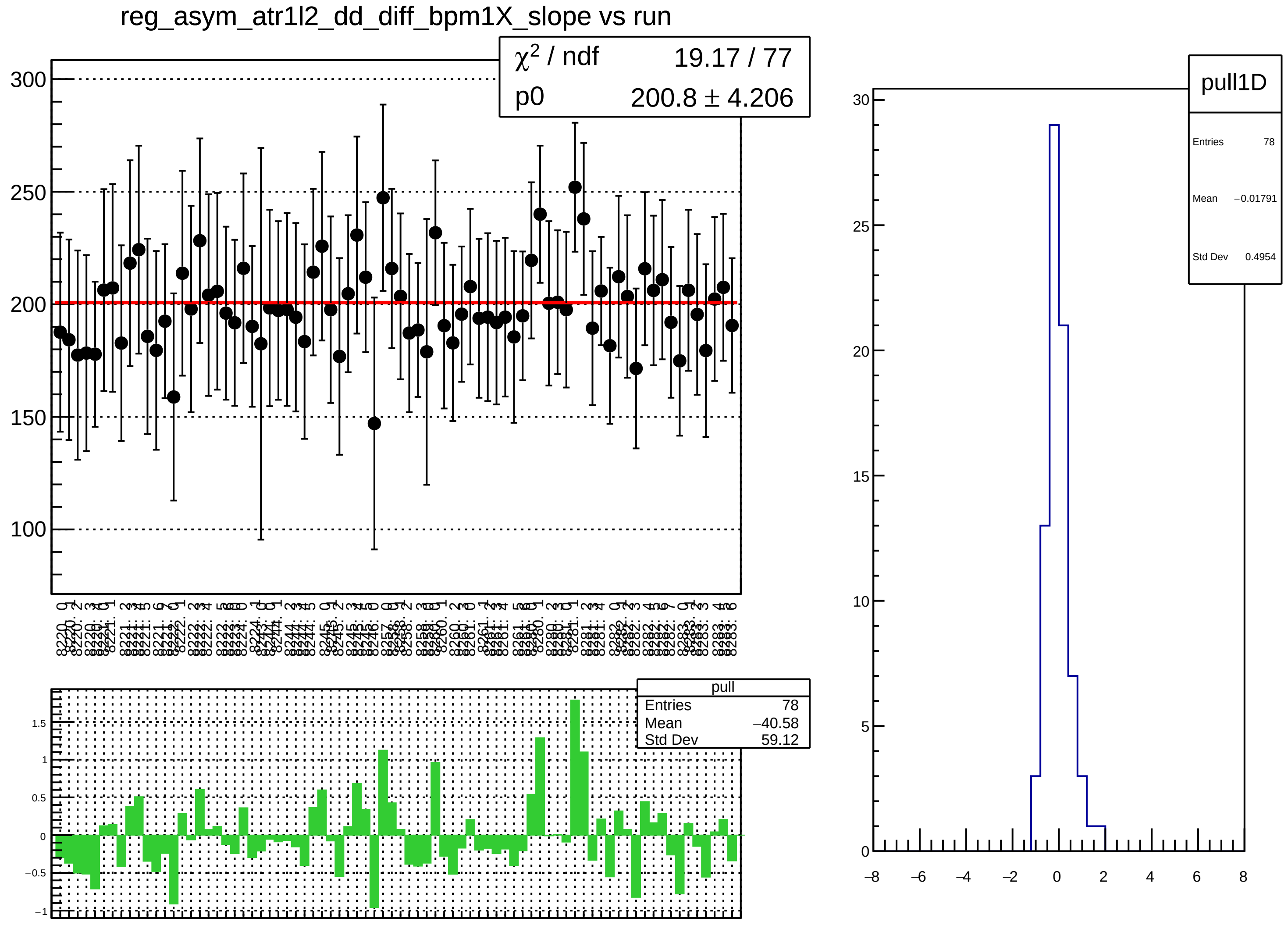


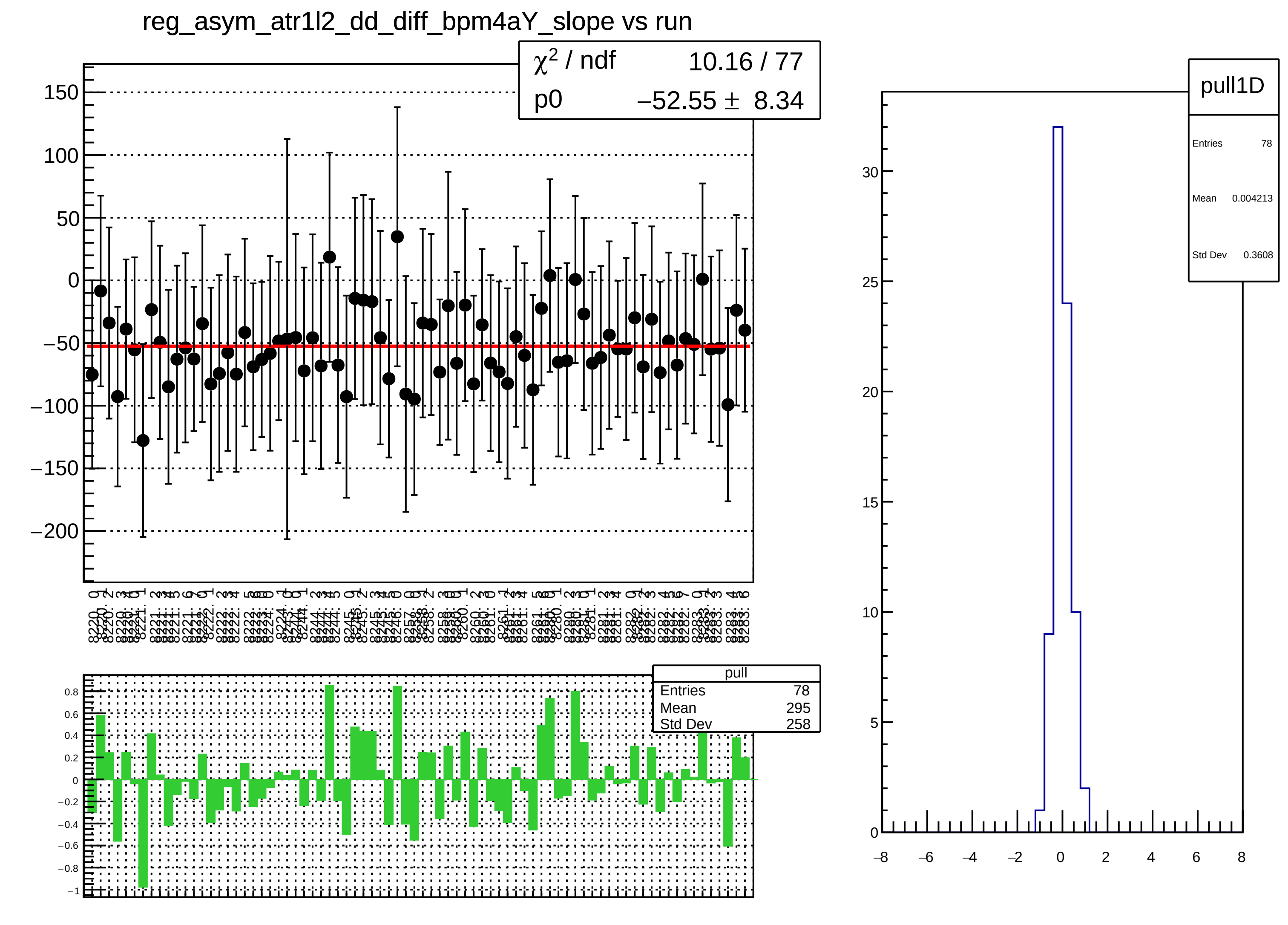
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 17.67 / 77
p0 207.7 ± 6.291
pull
Entries 78
Mean −5409
Std Dev 5445
pull1D
Entries 78
Mean −0.001269
Std Dev 0.476


reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.502 / 77
p0 21.43 ± 11.82
pull1D
Entries 78
Mean 0.01245
Std Dev 0.3099
pull
Entries 78
Mean 112.8
Std Dev 87.32

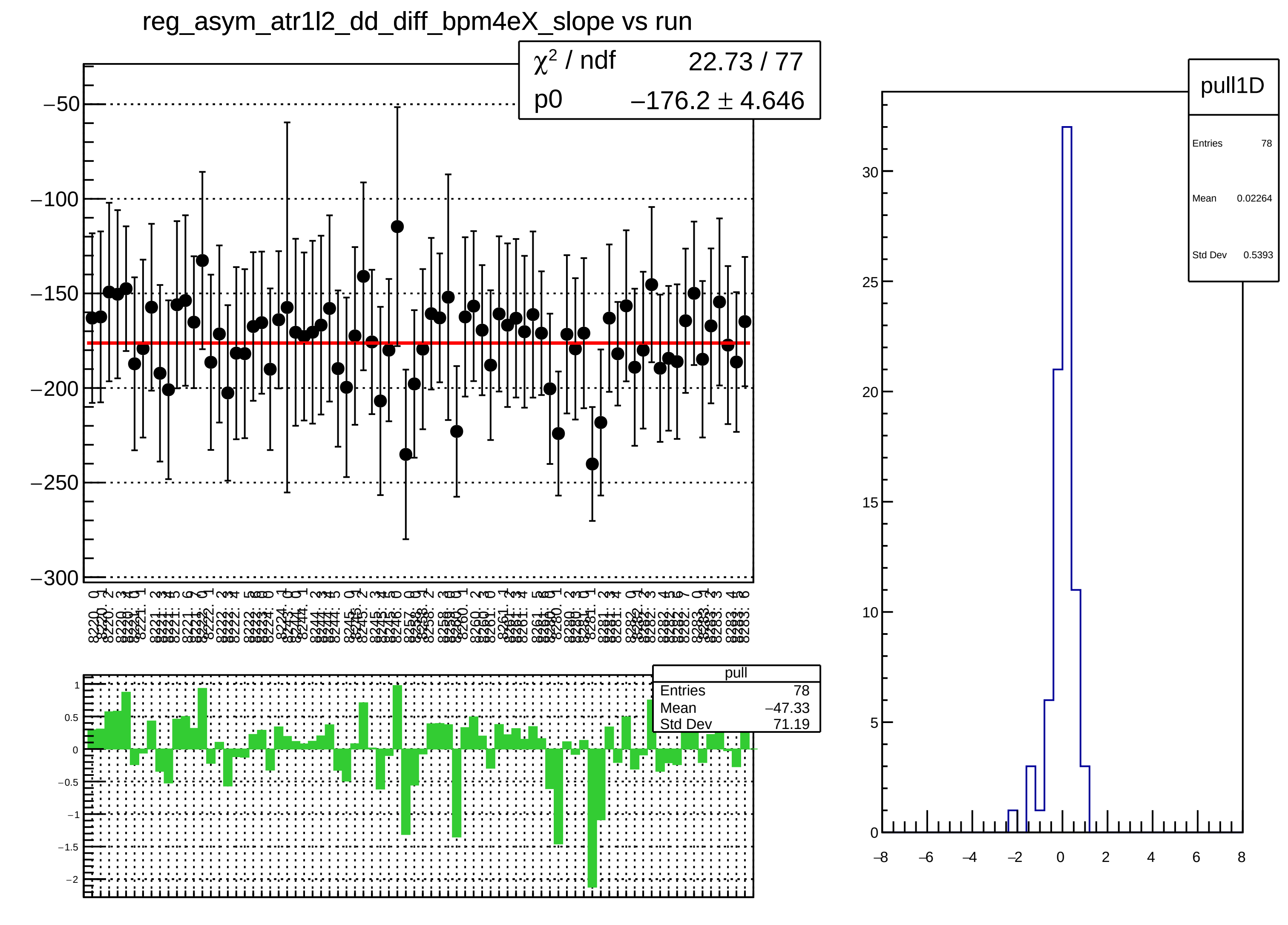


reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 445.8 / 77
p0 −162.6 ± 0.5931
pull
Entries 78
Mean 136.6
Std Dev 99.9
pull1D
Entries 78
Mean −0.4333
Std Dev 2.351

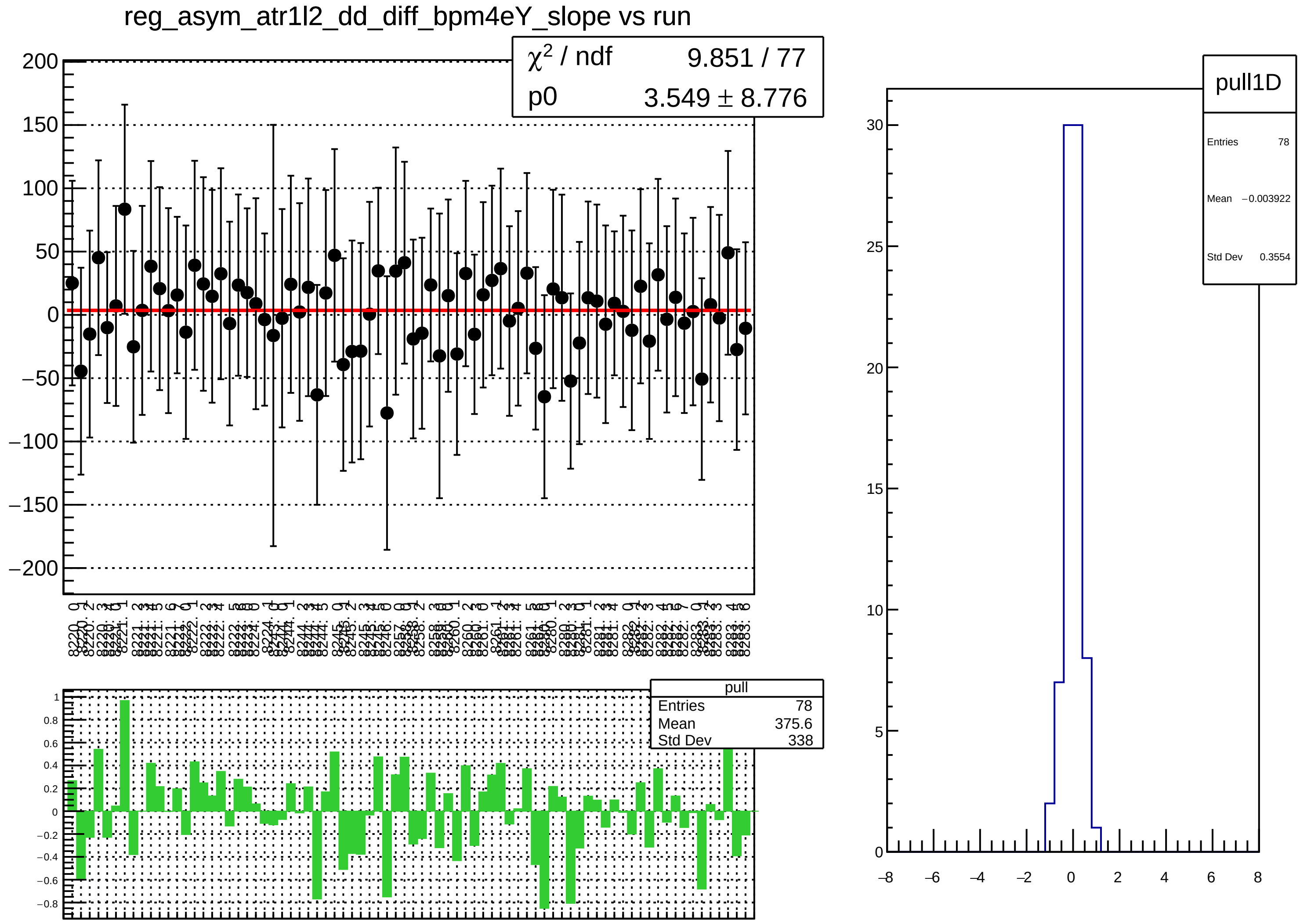

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ2 / ndf 19.17 / 77
p0 200.8 ± 4.206
pull
Entries 78
Mean −40.58
Std Dev 59.12
pull1D
Entries 78
Mean −0.01791
Std Dev 0.4954



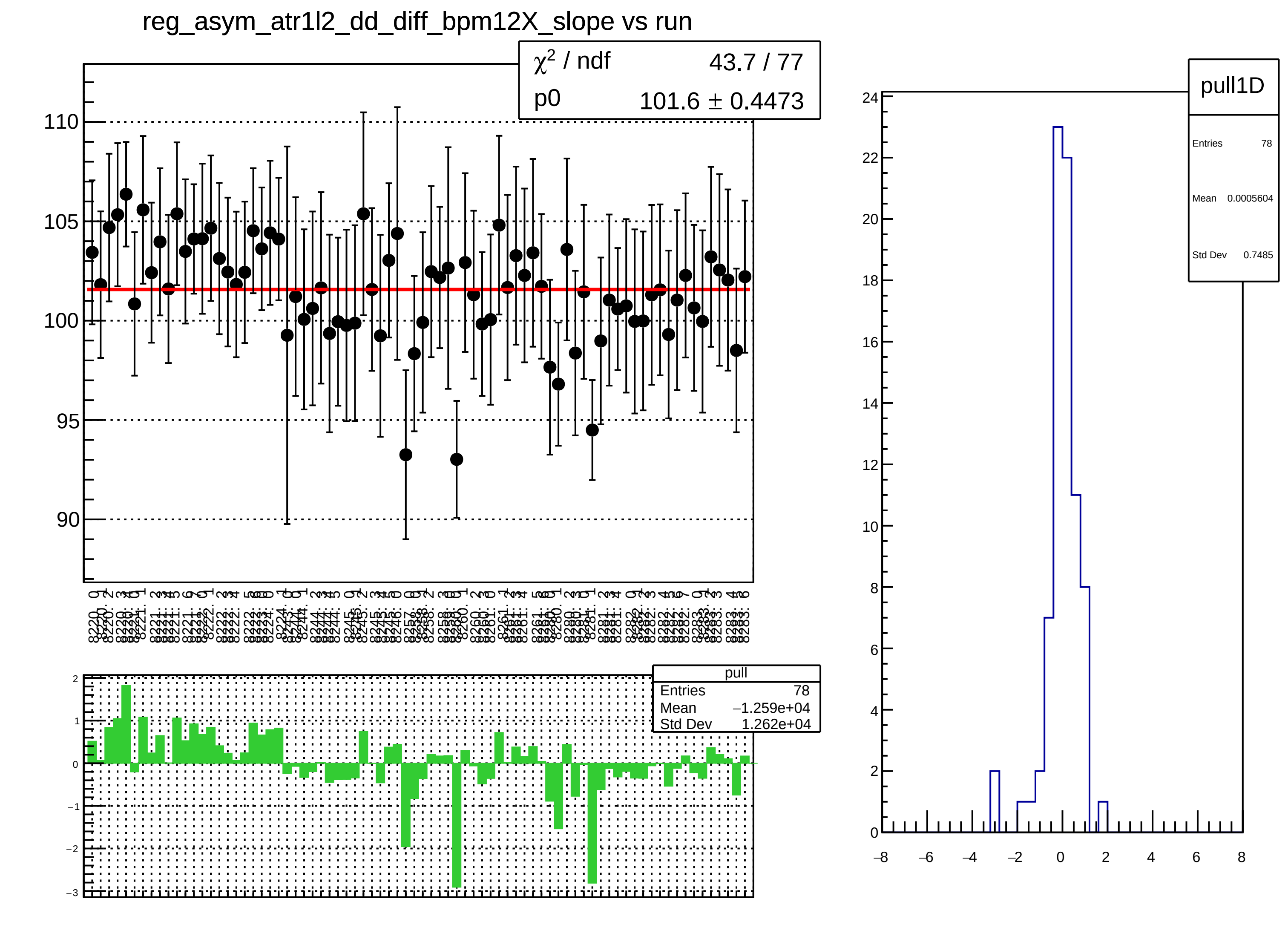
reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.16 / 77
p0 −52.55 ± 8.34
pull
Entries 78
Mean 295
Std Dev 258
pull1D
Entries 78
Mean 0.004213
Std Dev 0.3608



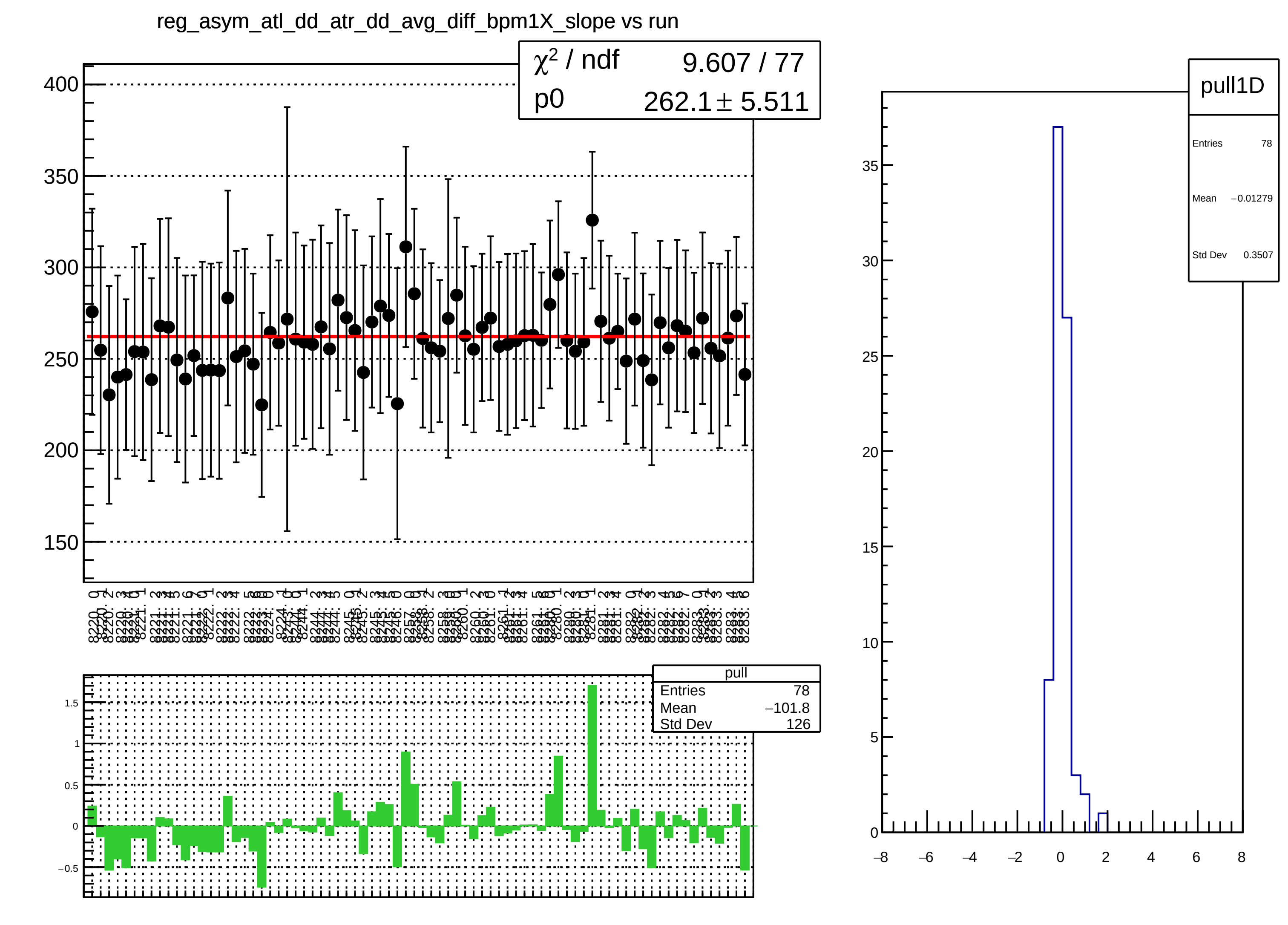
reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 22.73 / 77
p0 −176.2 ± 4.646
pull
Entries 78
Mean −47.33
Std Dev 71.19
pull1D
Entries 78
Mean 0.02264
Std Dev 0.5393

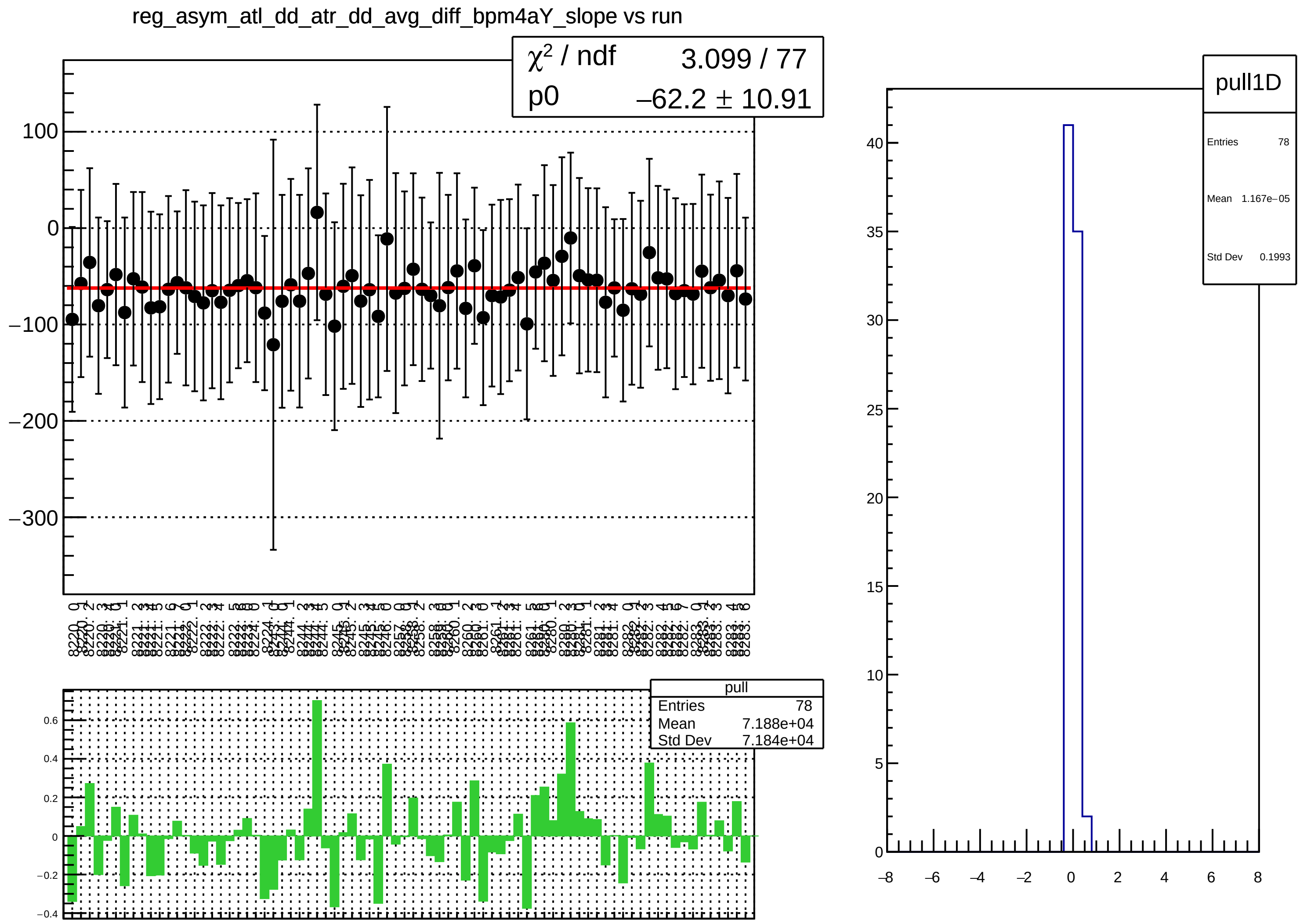


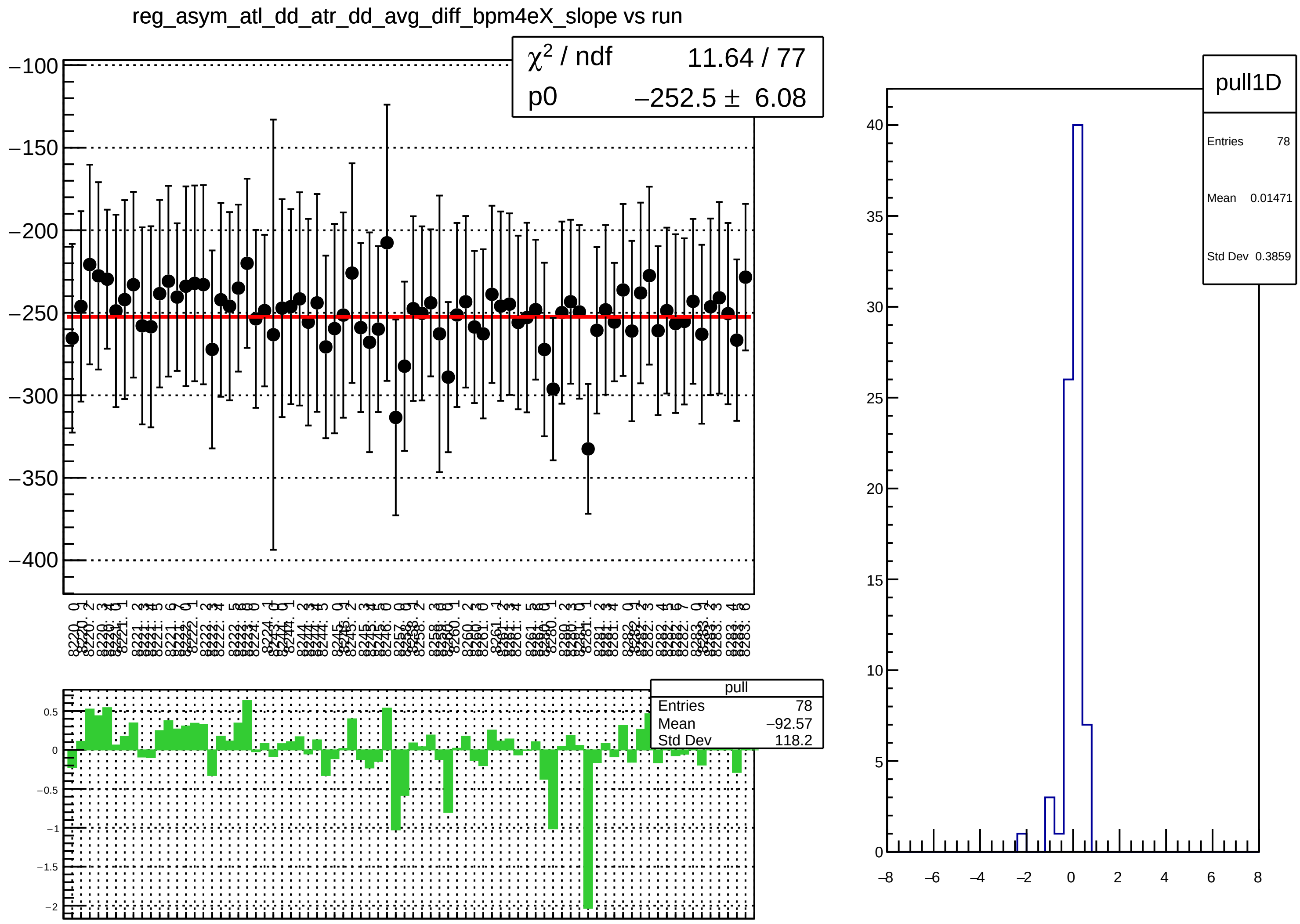
reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 9.851 / 77
p0 3.549 ± 8.776
pull
Entries 78
Mean 375.6
Std Dev 338
pull1D
Entries 78
Mean −0.003922
Std Dev 0.3554



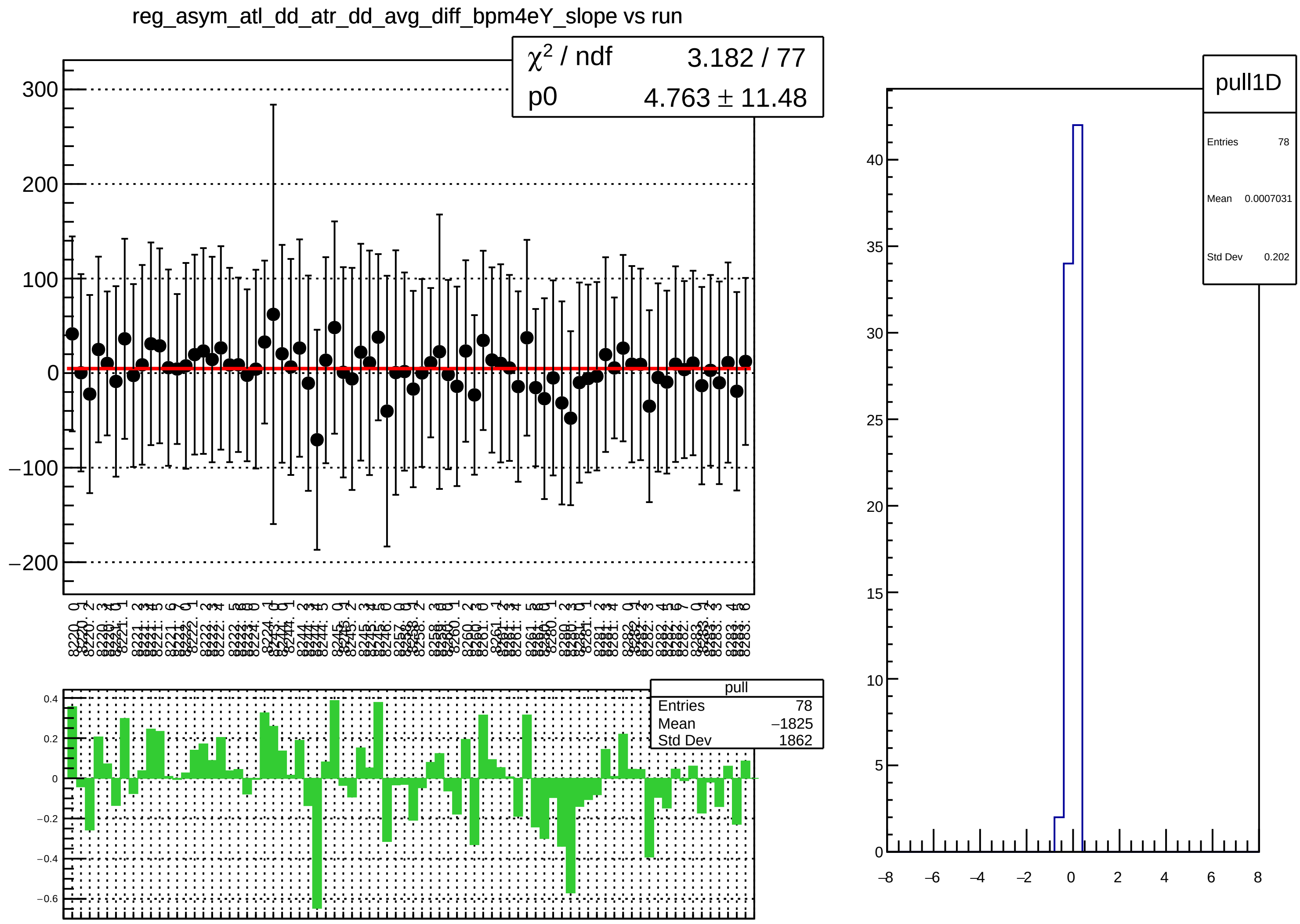
reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 43.7 / 77
p0 101.6 ± 0.4473
pull
Entries 78
Mean −1.259e+04
Std Dev 1.262e+04
pull1D
Entries 78
Mean 0.0005604
Std Dev 0.7485

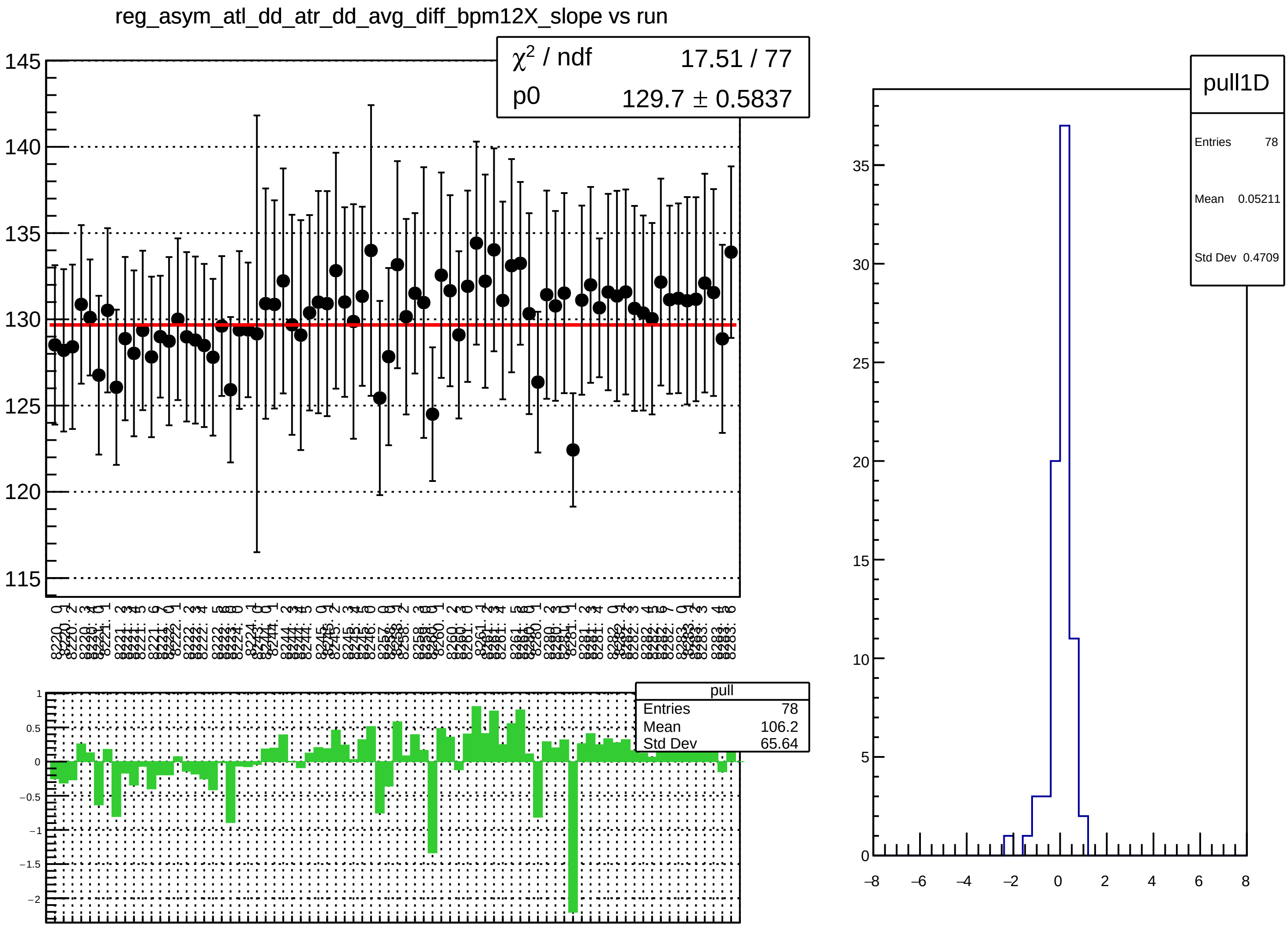

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ2 / ndf 9.607 / 77
p0 262.1 ± 5.511
pull
Entries 78
Mean −101.8
Std Dev 126
pull1D
Entries 78
Mean −0.01279
Std Dev 0.3507


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ2 / ndf 3.099 / 77
p0 −62.2 ± 10.91
pull
Entries 78
Mean 7.188e+04
Std Dev 7.184e+04
pull1D
Entries 78
Mean 1.167e−05
Std Dev 0.1993

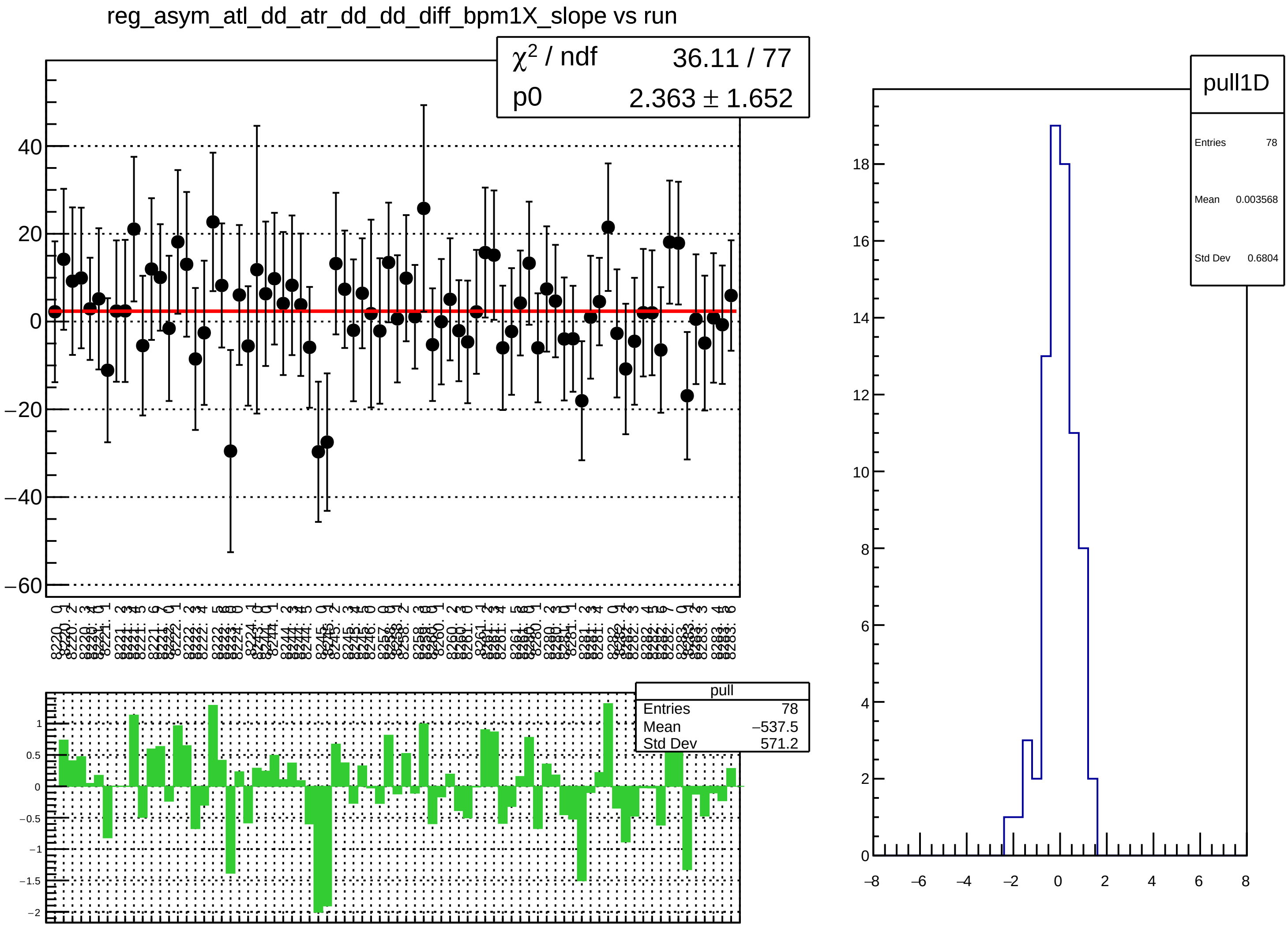


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 11.64 / 77
p0 −252.5 ± 6.08
pull
Entries 78
Mean −92.57
Std Dev 118.2
pull1D
Entries 78
Mean 0.01471
Std Dev 0.3859

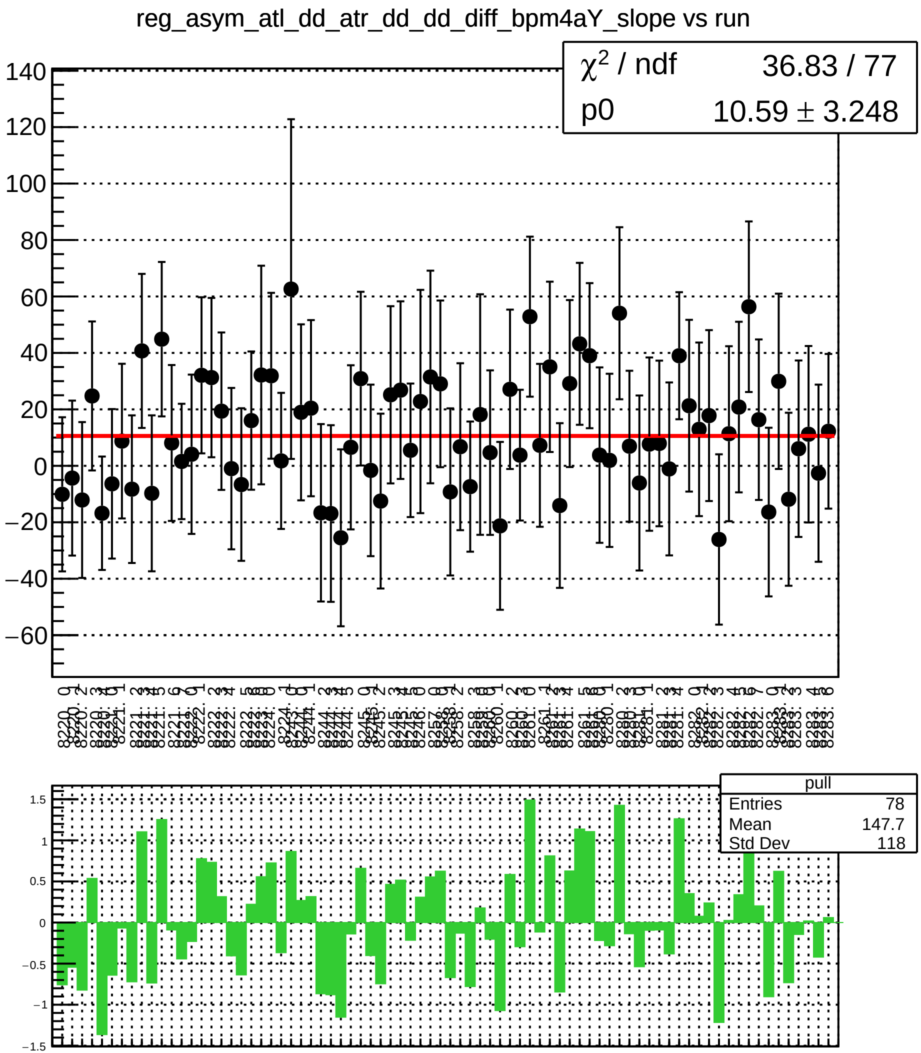

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.182 / 77
p0 4.763 ± 11.48
pull
Entries 78
Mean −1825
Std Dev 1862
pull1D
Entries 78
Mean 0.0007031
Std Dev 0.202



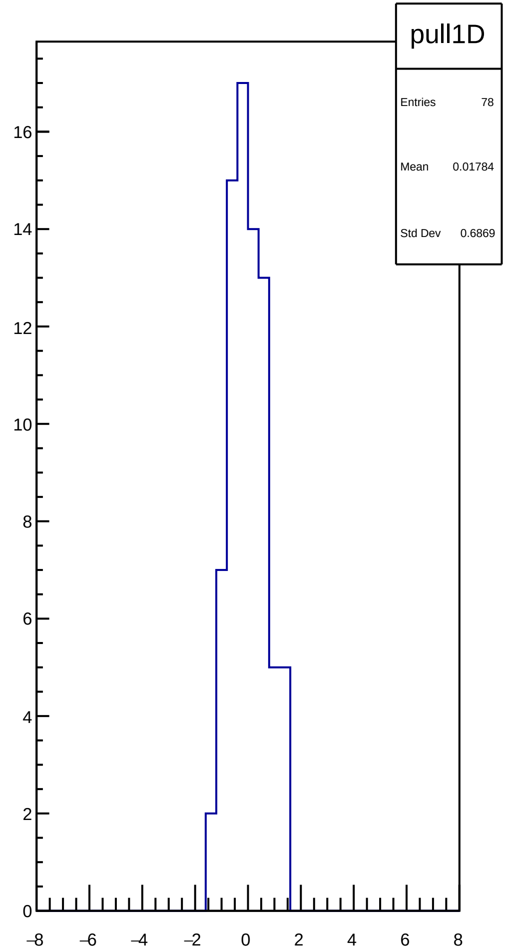
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 17.51 / 77
p0 129.7 ± 0.5837
pull
Entries 78
Mean 106.2
Std Dev 65.64
pull1D
Entries 78
Mean 0.05211
Std Dev 0.4709



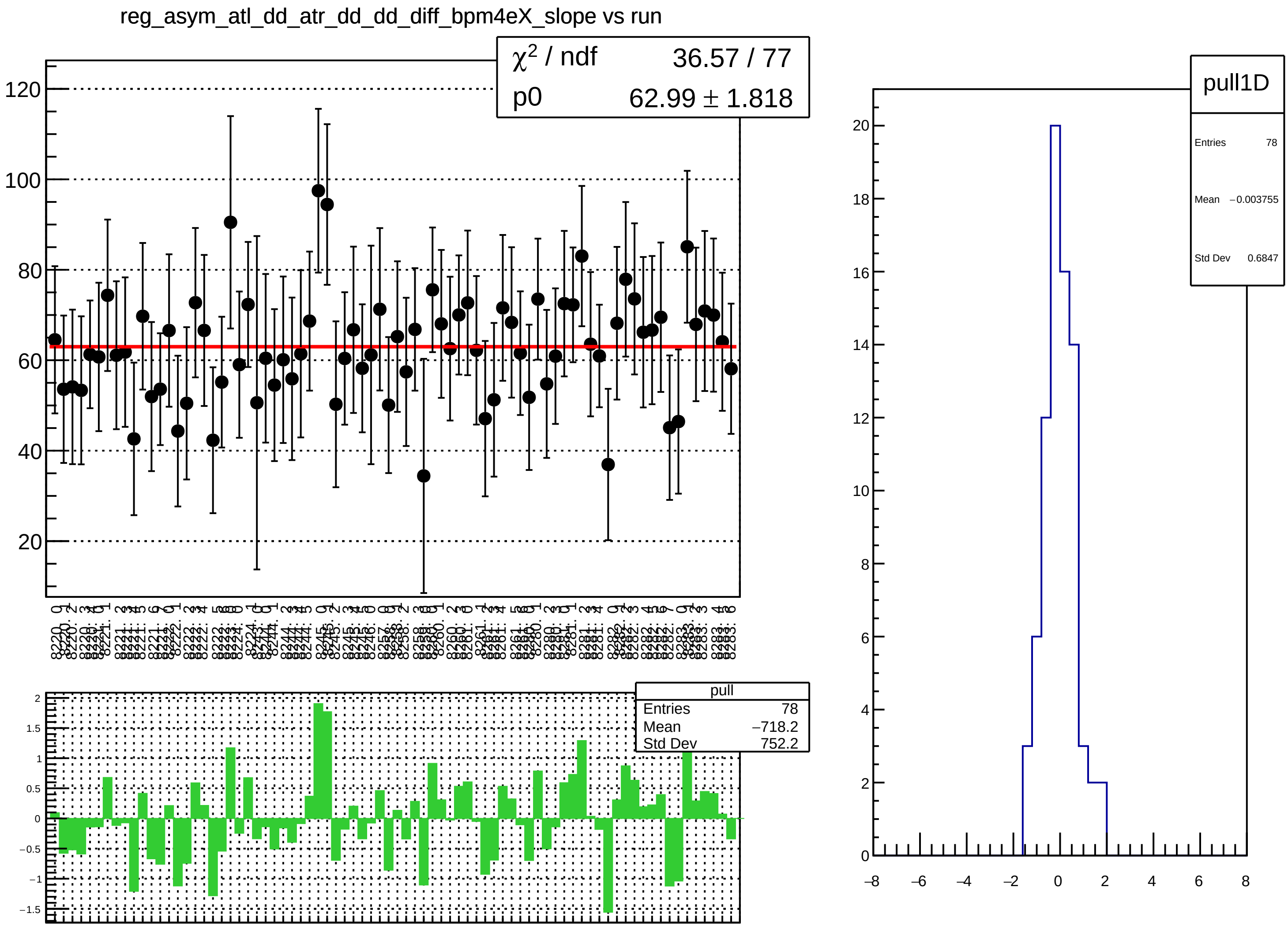
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ^2 / ndf 36.11 / 77
p0 2.363 ± 1.652
pull
Entries 78
Mean −537.5
Std Dev 571.2
pull1D
Entries 78
Mean 0.003568
Std Dev 0.6804



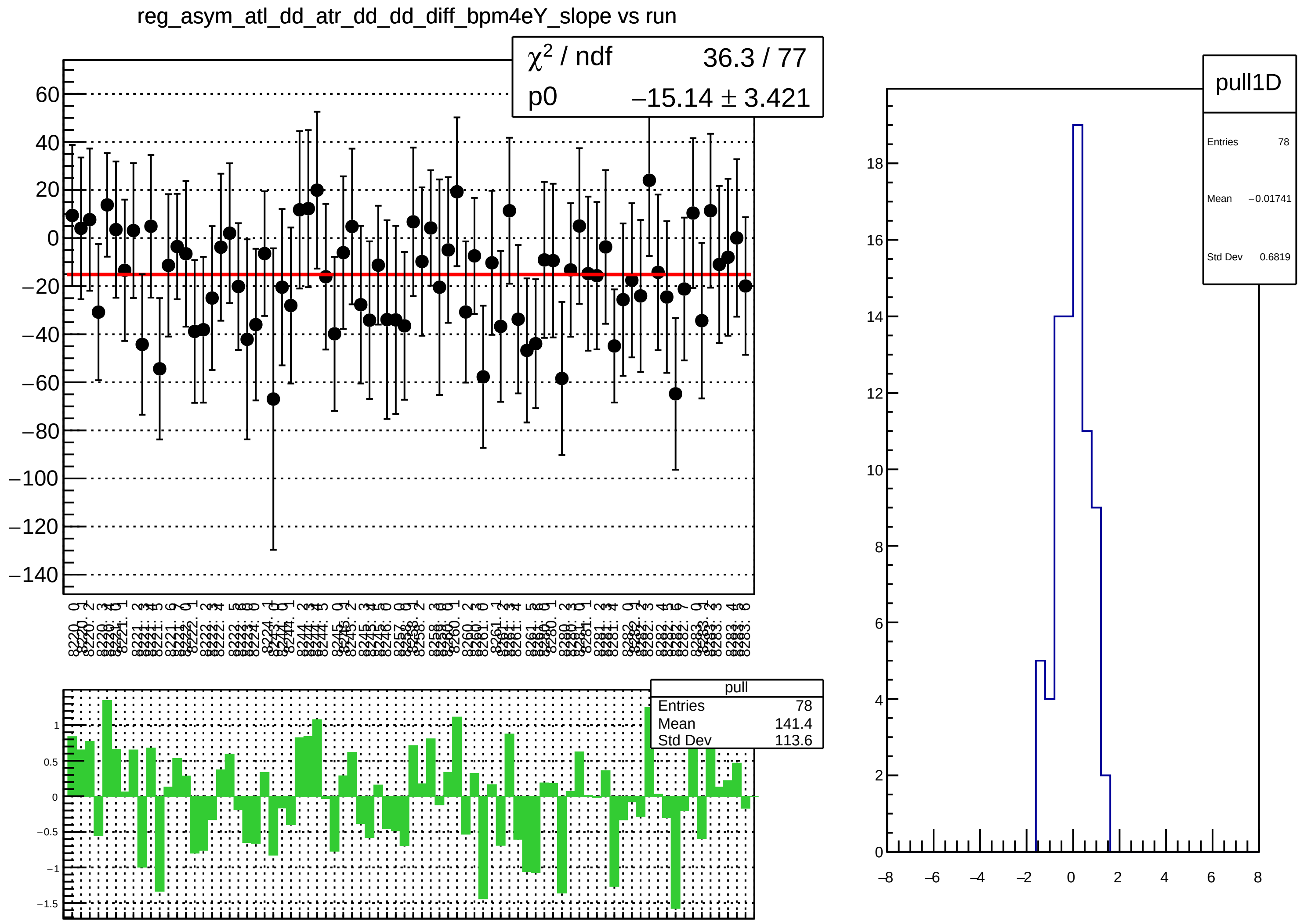
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 36.83 / 77
p0 10.59 ± 3.248
pull
Entries 78
Mean 147.7
Std Dev 118



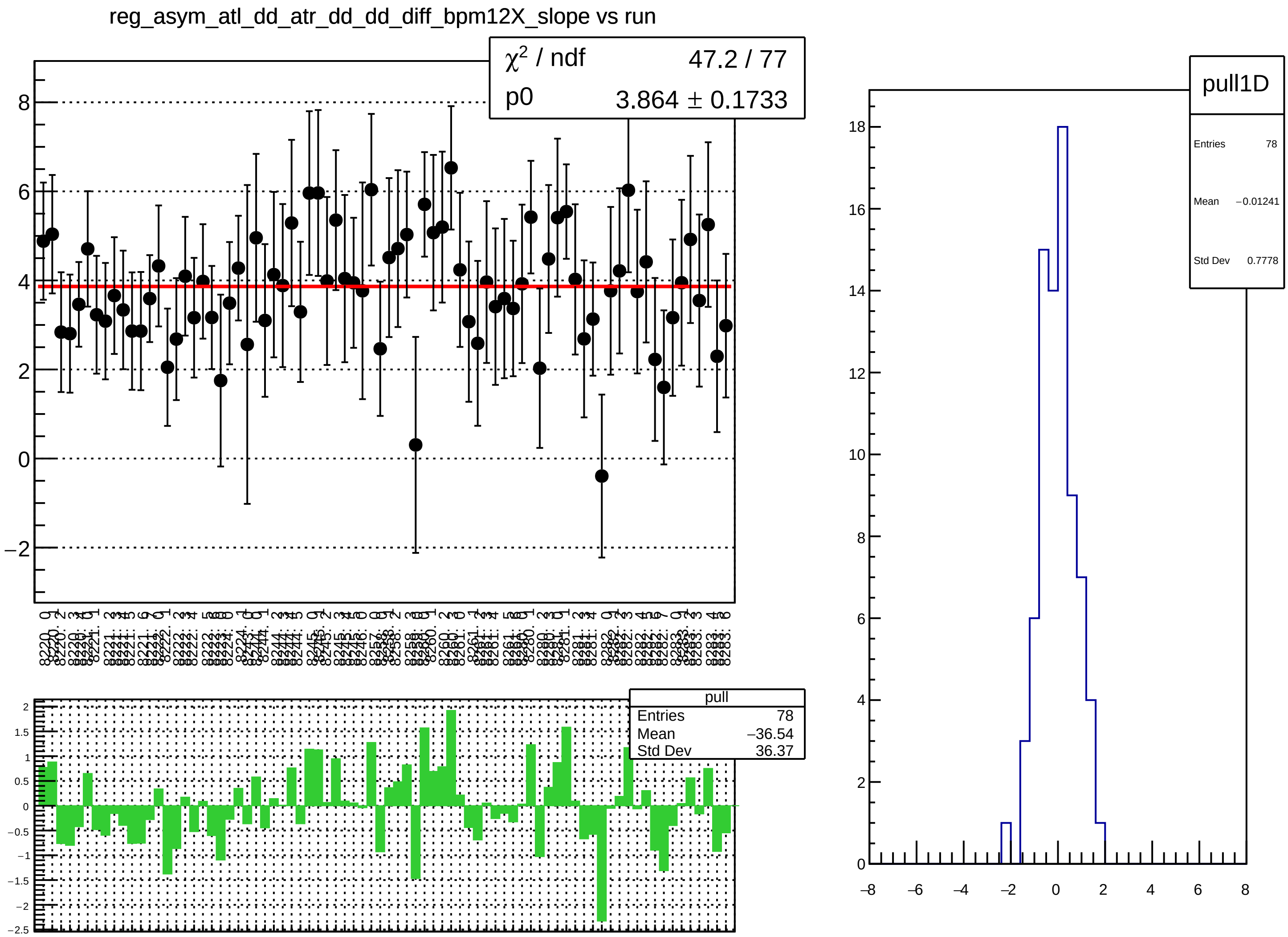
pull1D
Entries 78
Mean 0.01784
Std Dev 0.6869



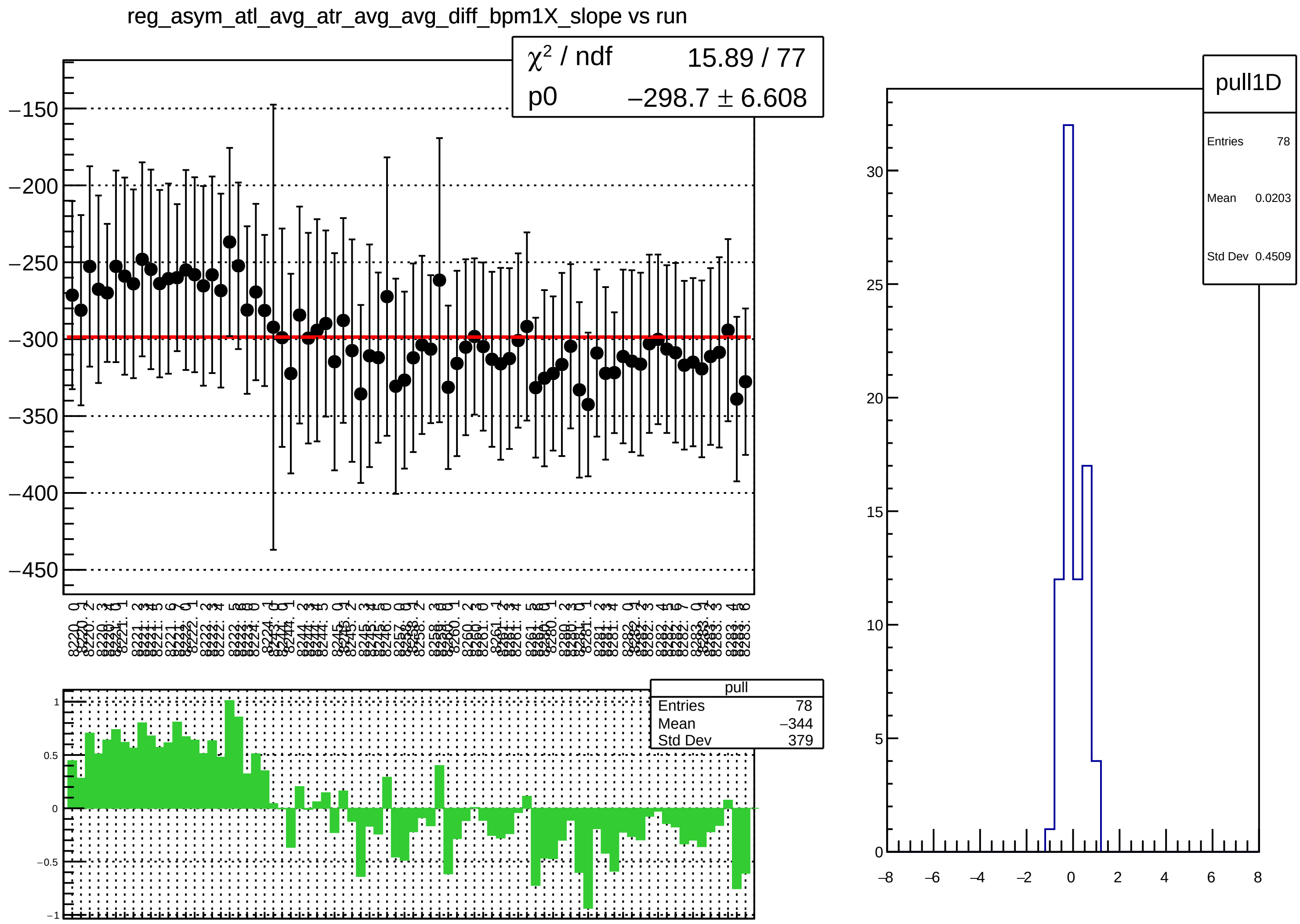
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 36.57 / 77
p0 62.99 ± 1.818
pull
Entries 78
Mean −718.2
Std Dev 752.2
pull1D
Entries 78
Mean −0.003755
Std Dev 0.6847



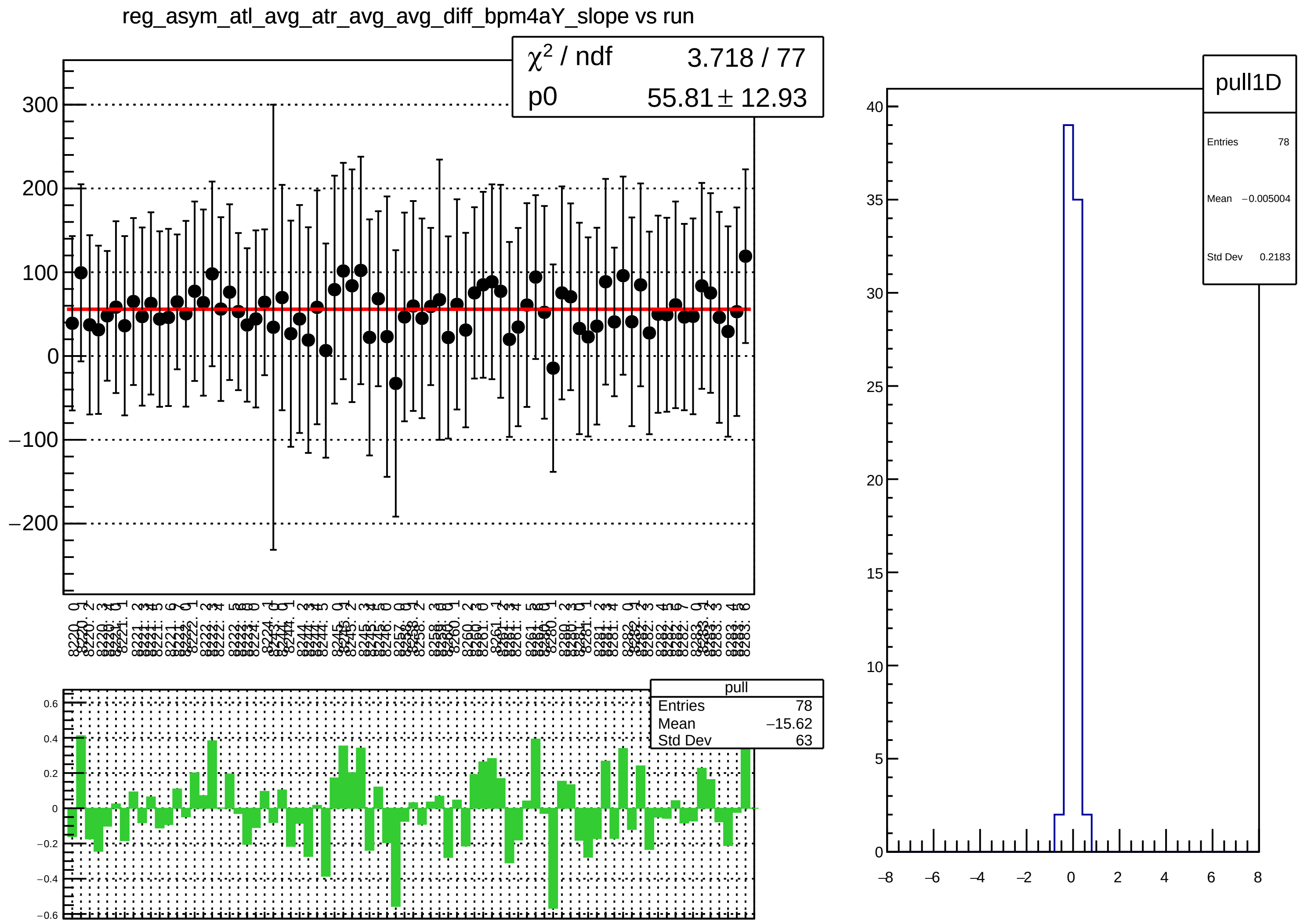
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ2 / ndf 36.3 / 77
p0 −15.14 ± 3.421
pull
Entries 78
Mean 141.4
Std Dev 113.6
pull1D
Entries 78
Mean −0.01741
Std Dev 0.6819



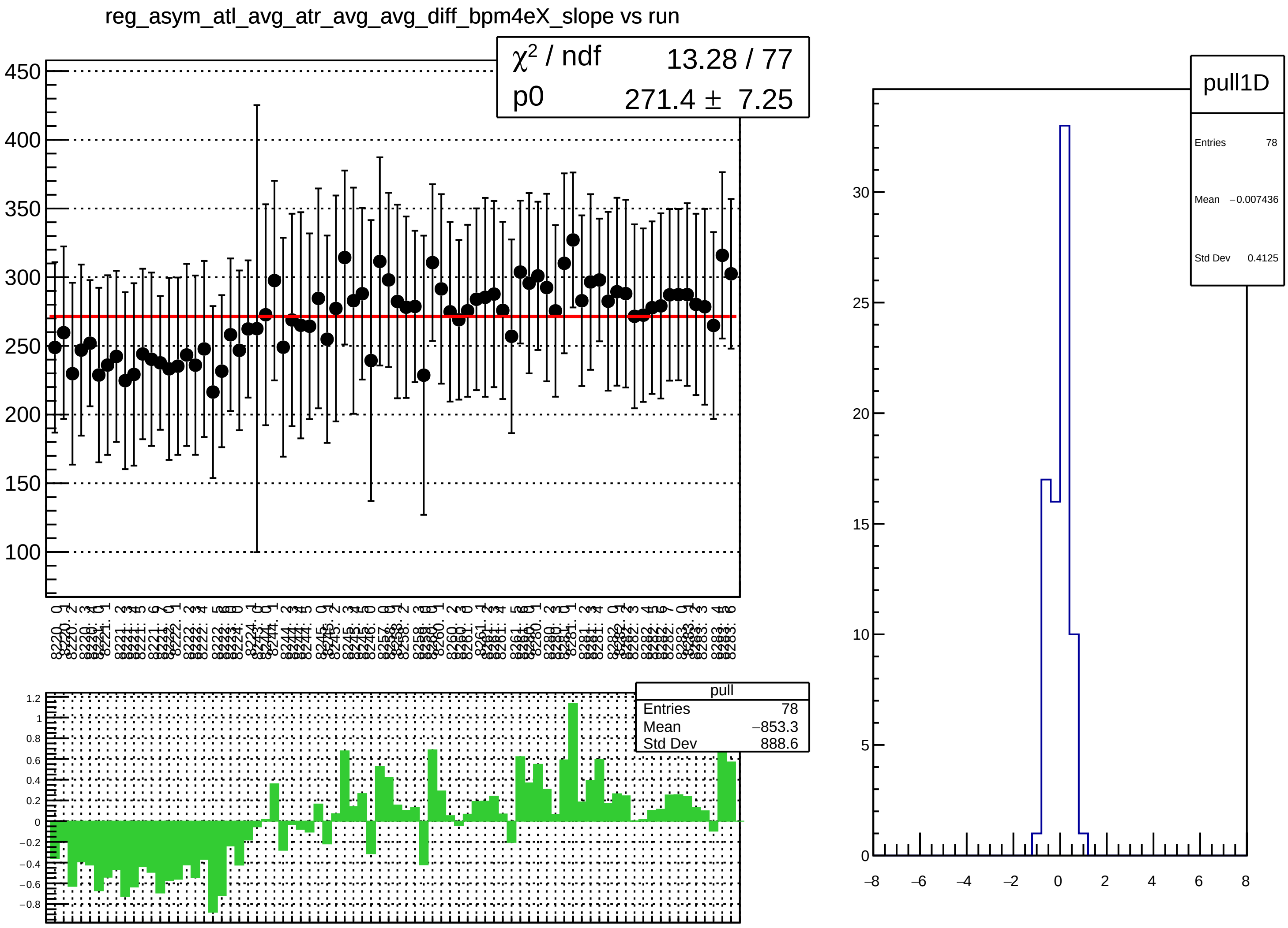
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 47.2 / 77
p0 3.864 ± 0.1733
pull
Entries 78
Mean −36.54
Std Dev 36.37
pull1D
Entries 78
Mean −0.01241
Std Dev 0.7778

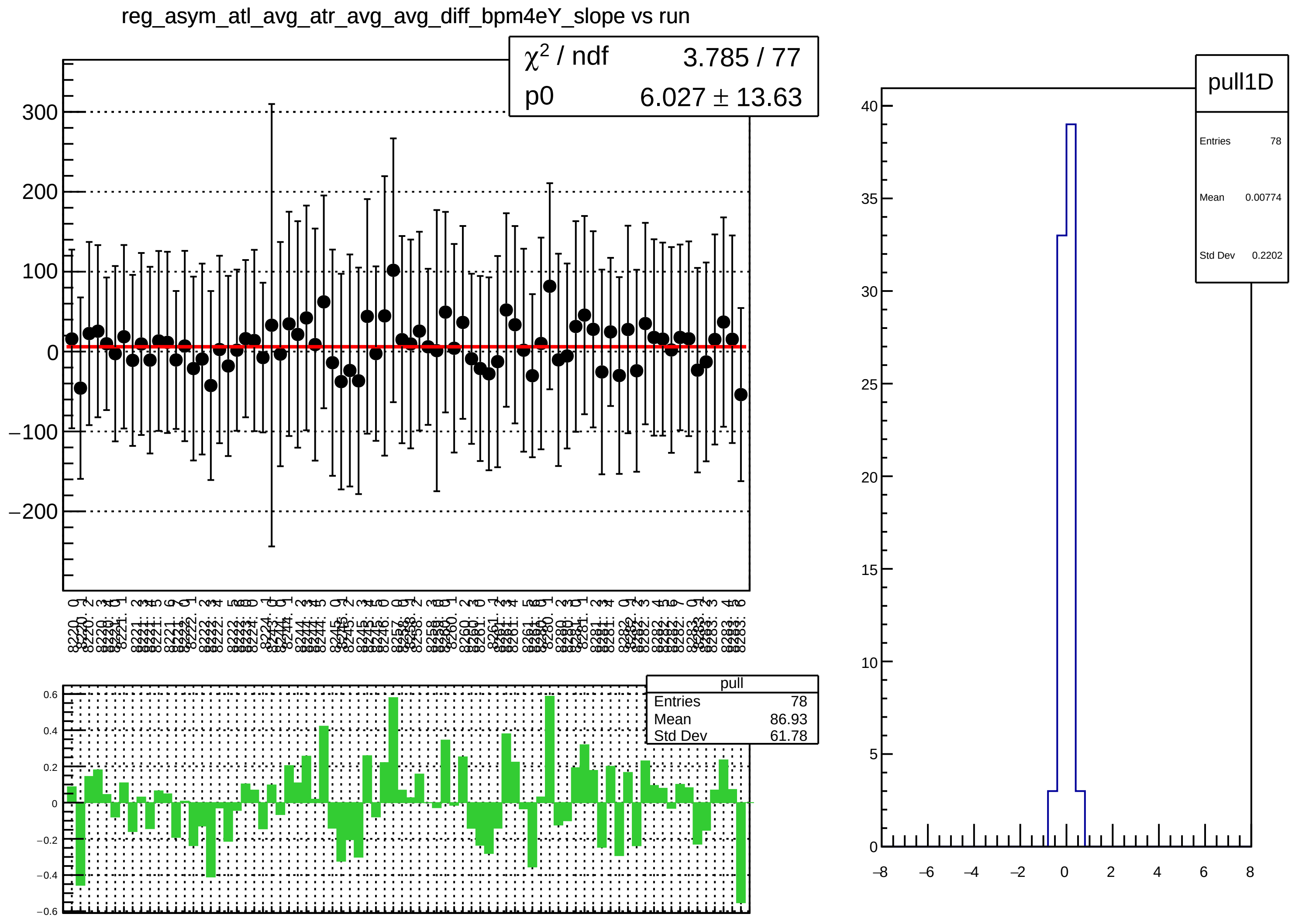


reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 15.89 / 77
p0 −298.7 ± 6.608
pull
Entries 78
Mean −344
Std Dev 379
pull1D
Entries 78
Mean 0.0203
Std Dev 0.4509

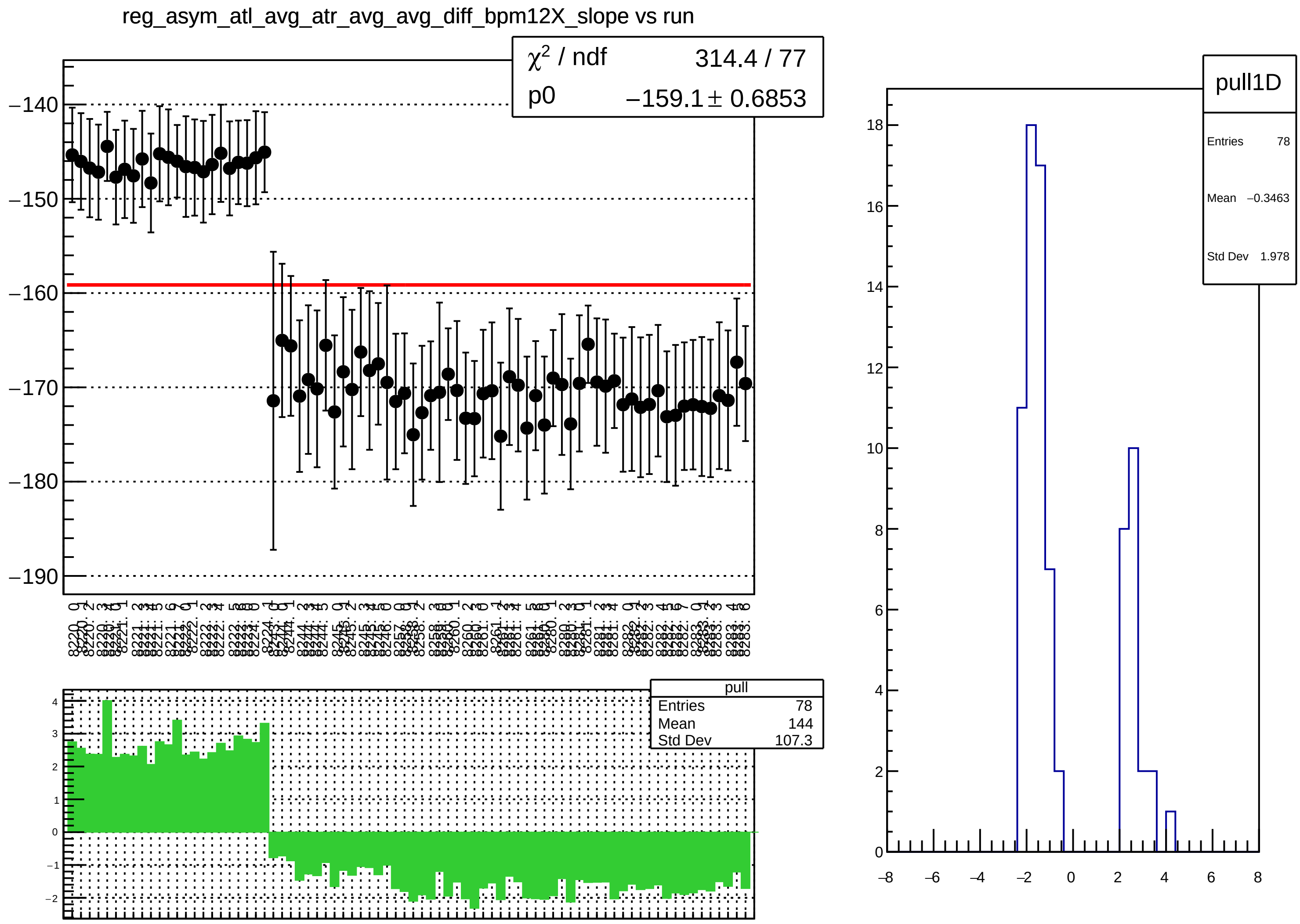


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.718 / 77
p0 55.81 ± 12.93
pull
Entries 78
Mean −15.62
Std Dev 63
pull1D
Entries 78
Mean −0.005004
Std Dev 0.2183

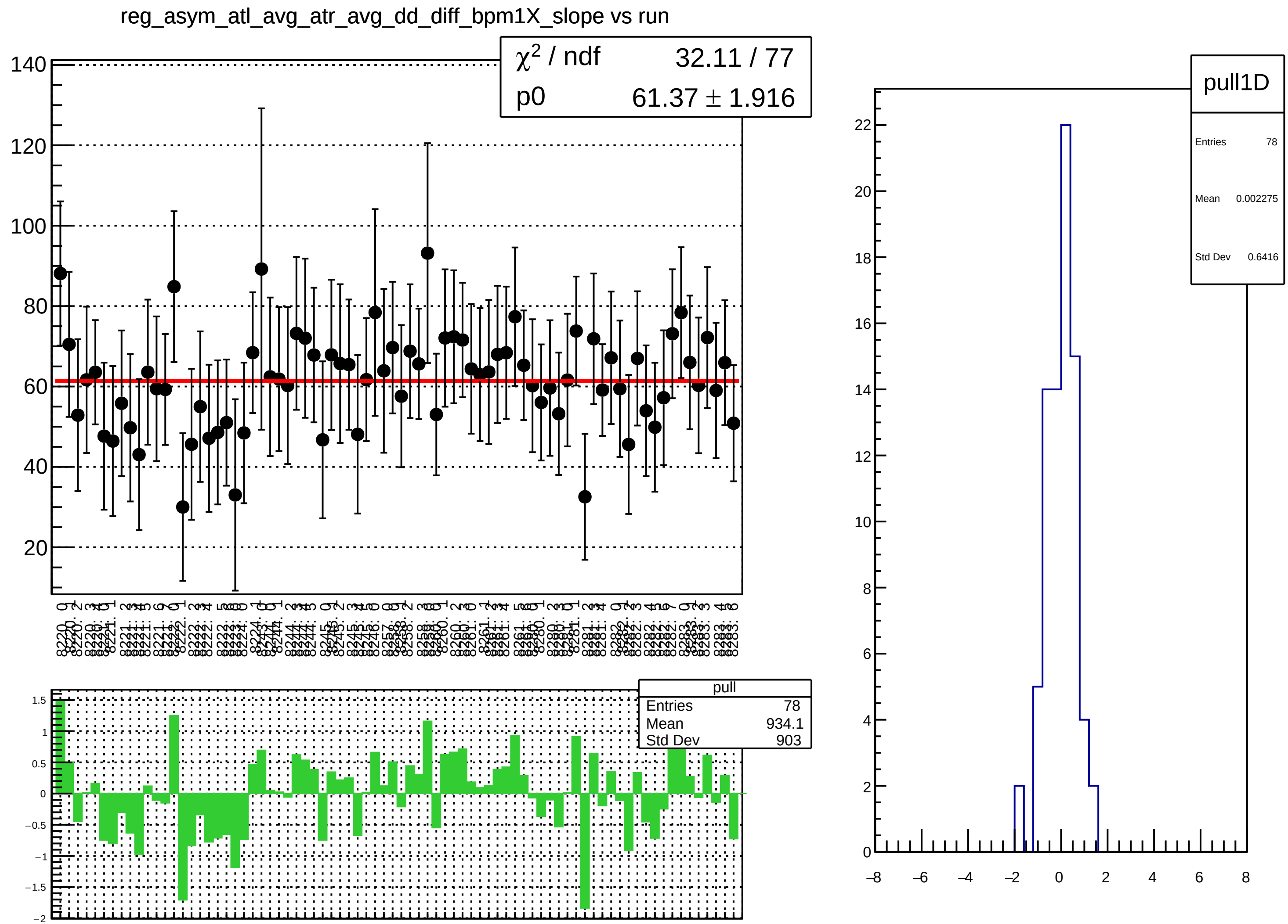

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 13.28 / 77
p0 271.4 ± 7.25
pull
Entries 78
Mean −853.3
Std Dev 888.6
pull1D
Entries 78
Mean −0.007436
Std Dev 0.4125

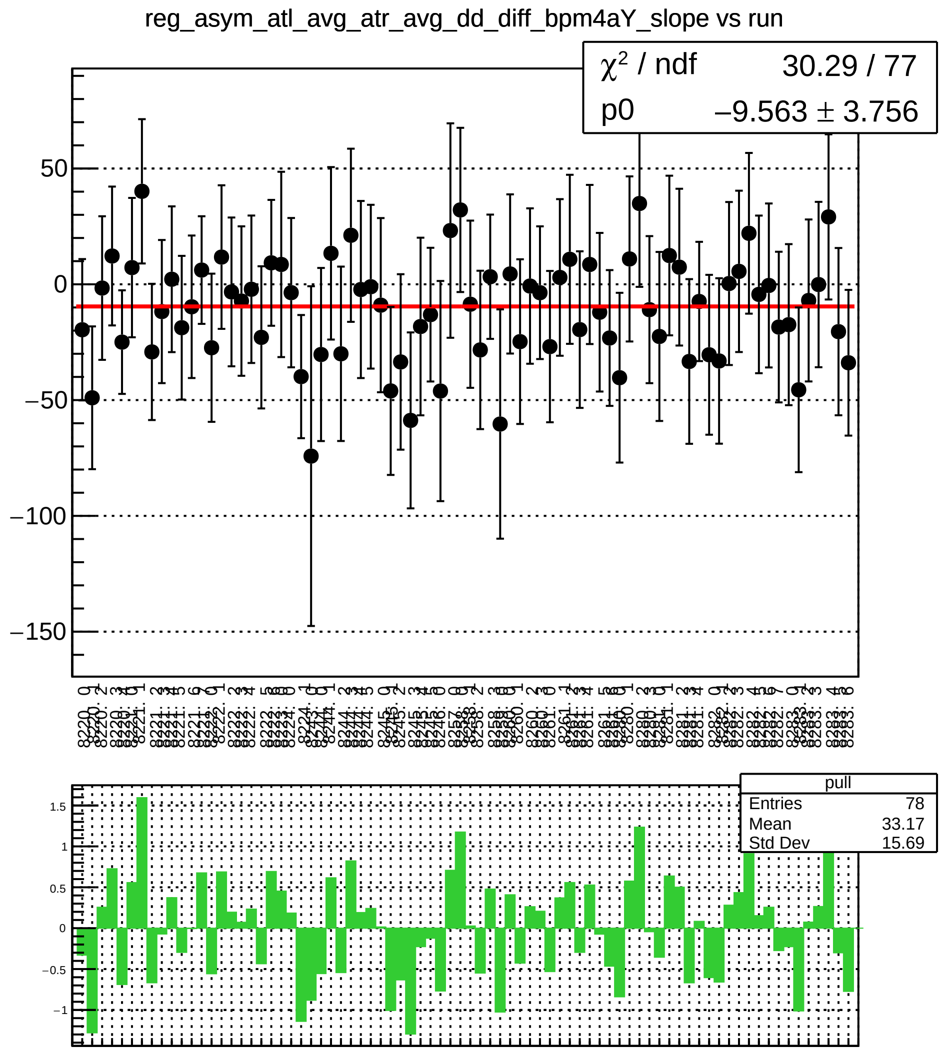


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.785 / 77
p0 6.027 ± 13.63
pull
Entries 78
Mean 86.93
Std Dev 61.78
pull1D
Entries 78
Mean 0.00774
Std Dev 0.2202

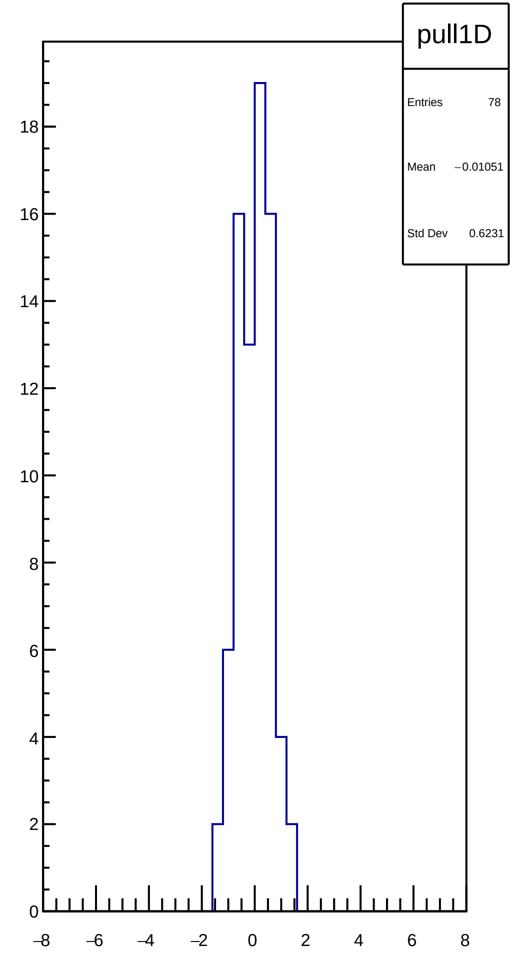


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 314.4 / 77
p0 −159.1 ± 0.6853
−140
−150
−160
−170
−180
−190
pull
Entries 78
Mean 144
Std Dev 107.3
pull1D
Entries 78
Mean −0.3463
Std Dev 1.978

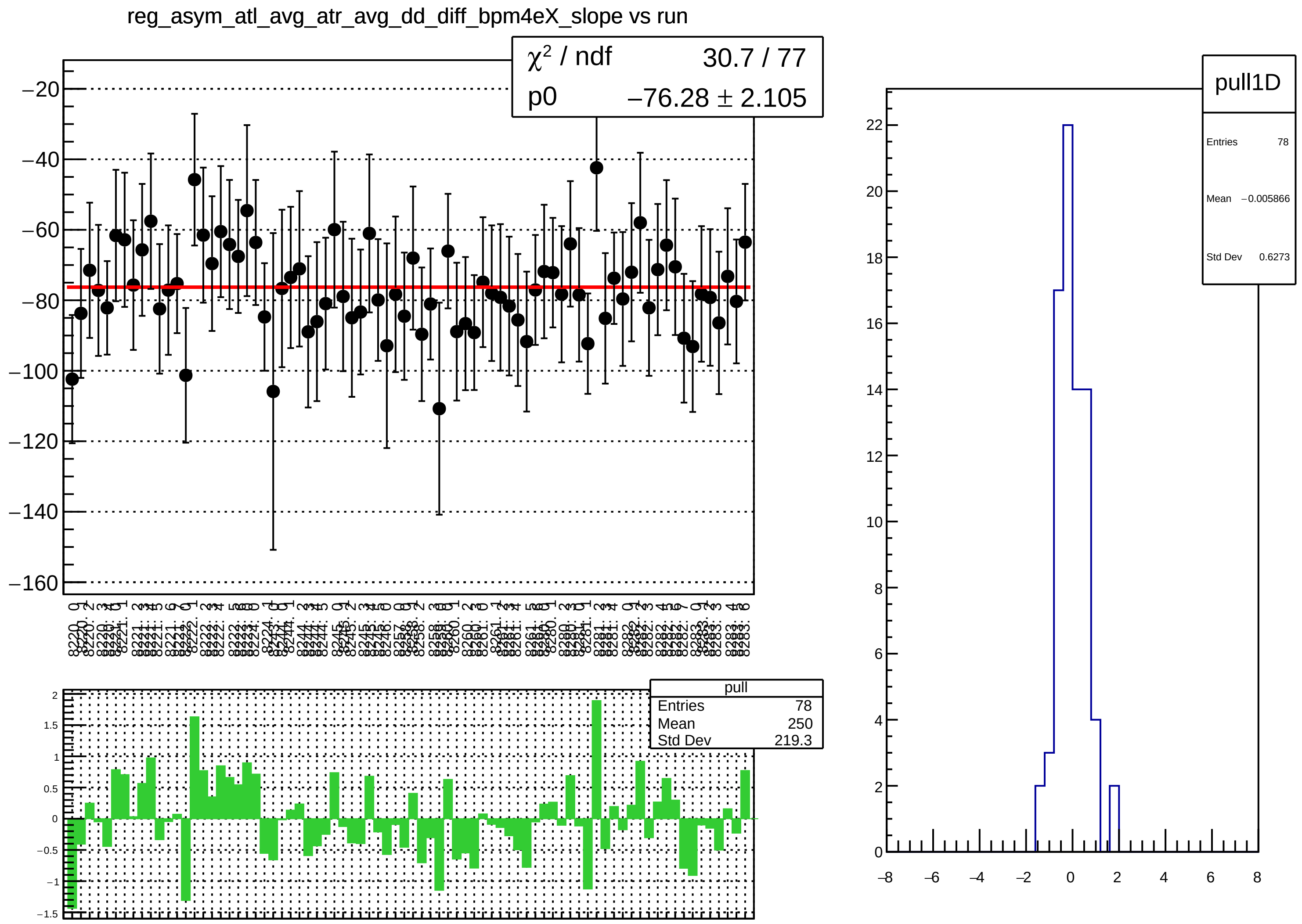

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ^2 / ndf 32.11 / 77
p0 61.37 ± 1.916
pull
Entries 78
Mean 934.1
Std Dev 903
pull1D
Entries 78
Mean 0.002275
Std Dev 0.6416

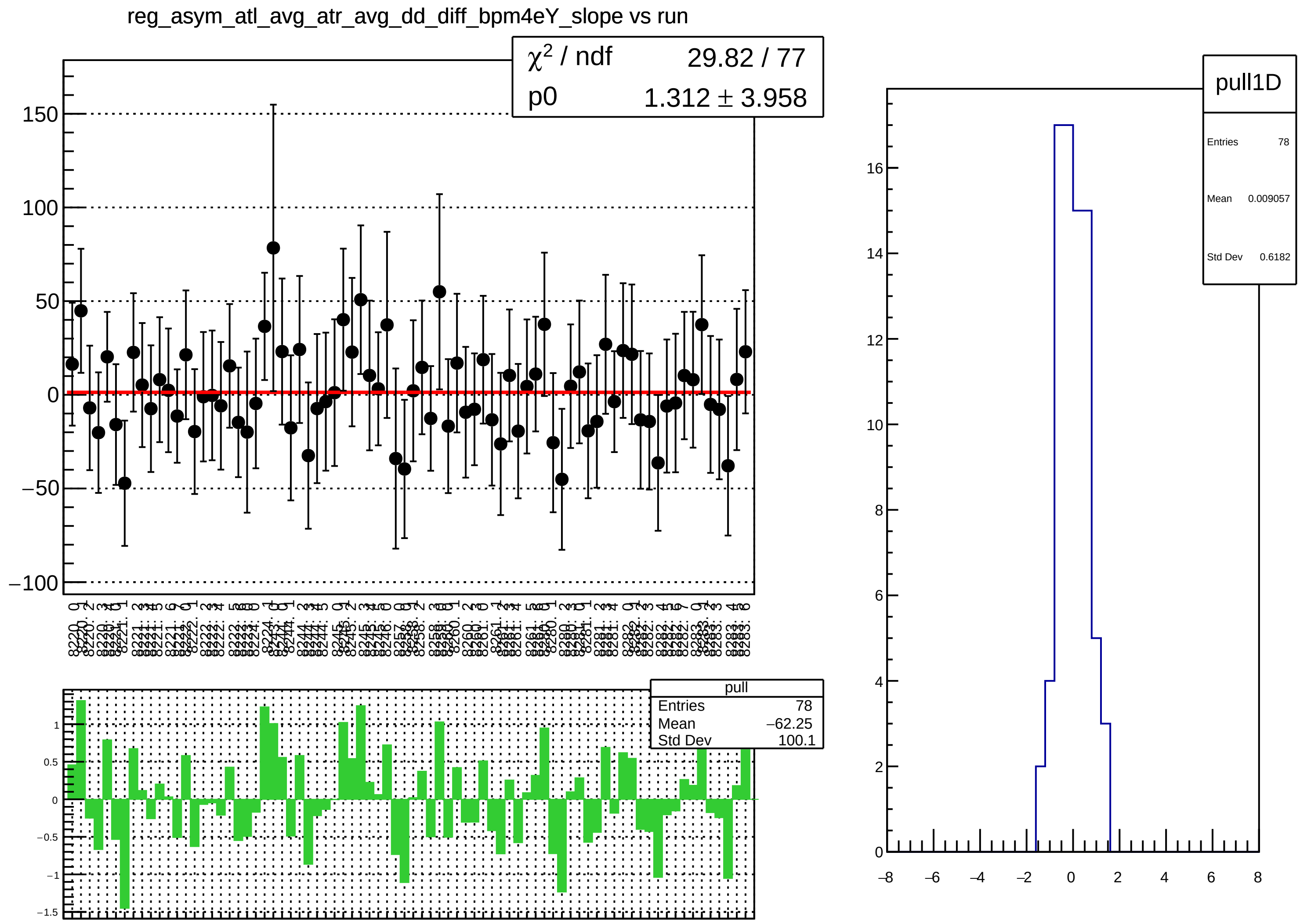


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 30.29 / 77
p0 −9.563 ± 3.756
pull
Entries 78
Mean 33.17
Std Dev 15.69

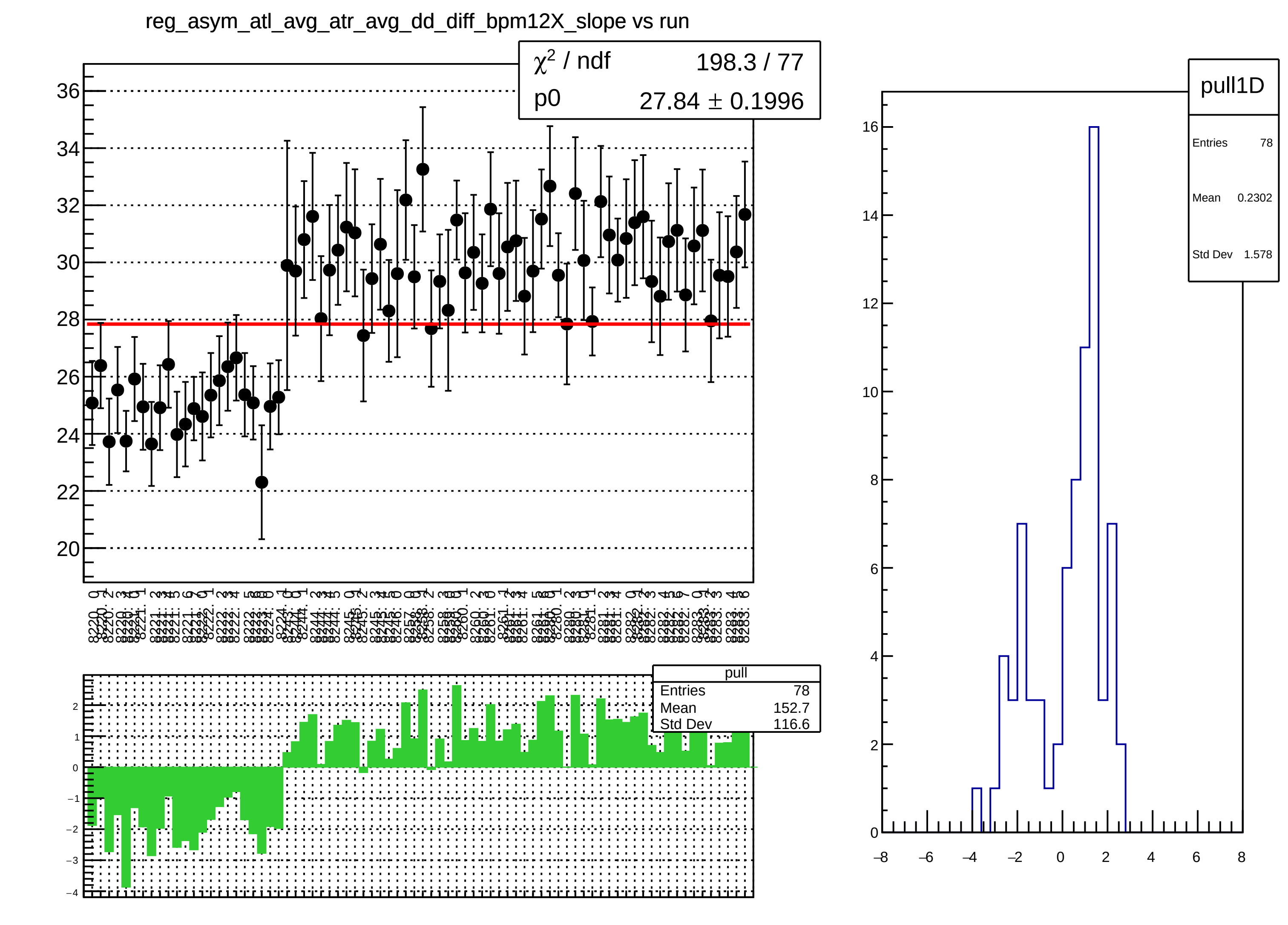


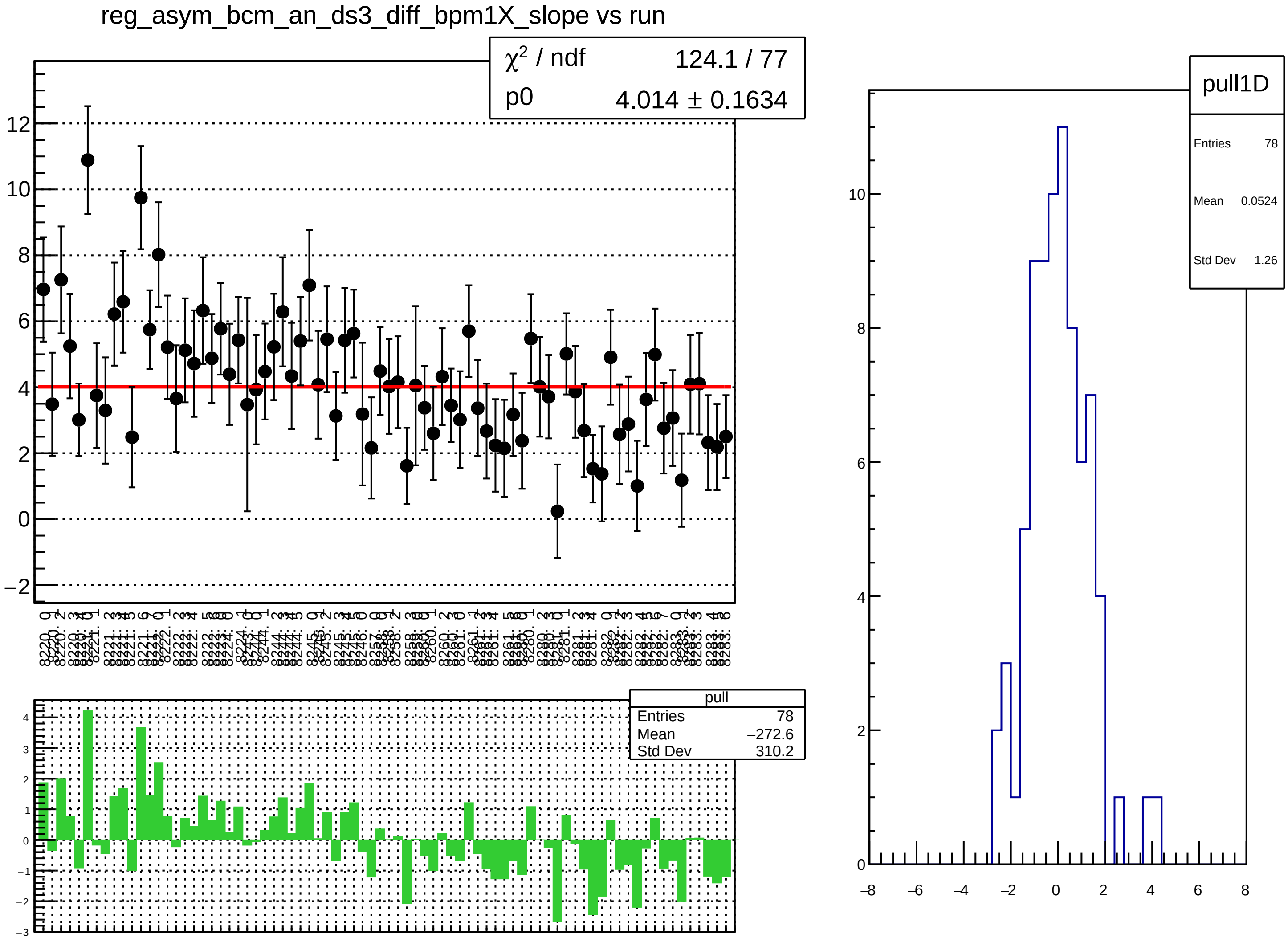
pull1D
Entries 78
Mean −0.01051
Std Dev 0.6231


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ2 / ndf 30.7 / 77
p0 −76.28 ± 2.105
pull
Entries 78
Mean 250
Std Dev 219.3
pull1D
Entries 78
Mean −0.005866
Std Dev 0.6273

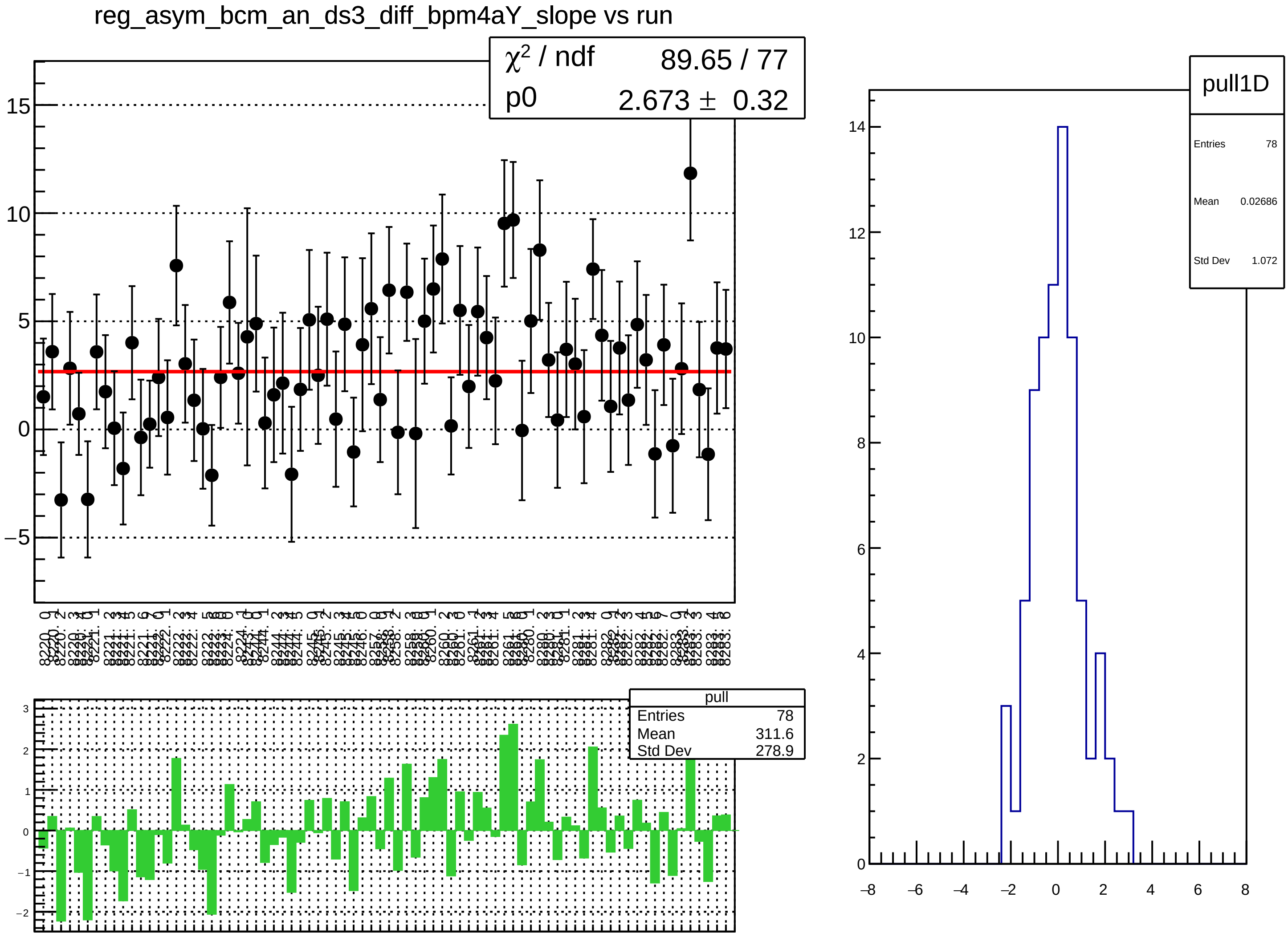


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 29.82 / 77
p0 1.312 ± 3.958
pull
Entries 78
Mean −62.25
Std Dev 100.1
pull1D
Entries 78
Mean 0.009057
Std Dev 0.6182

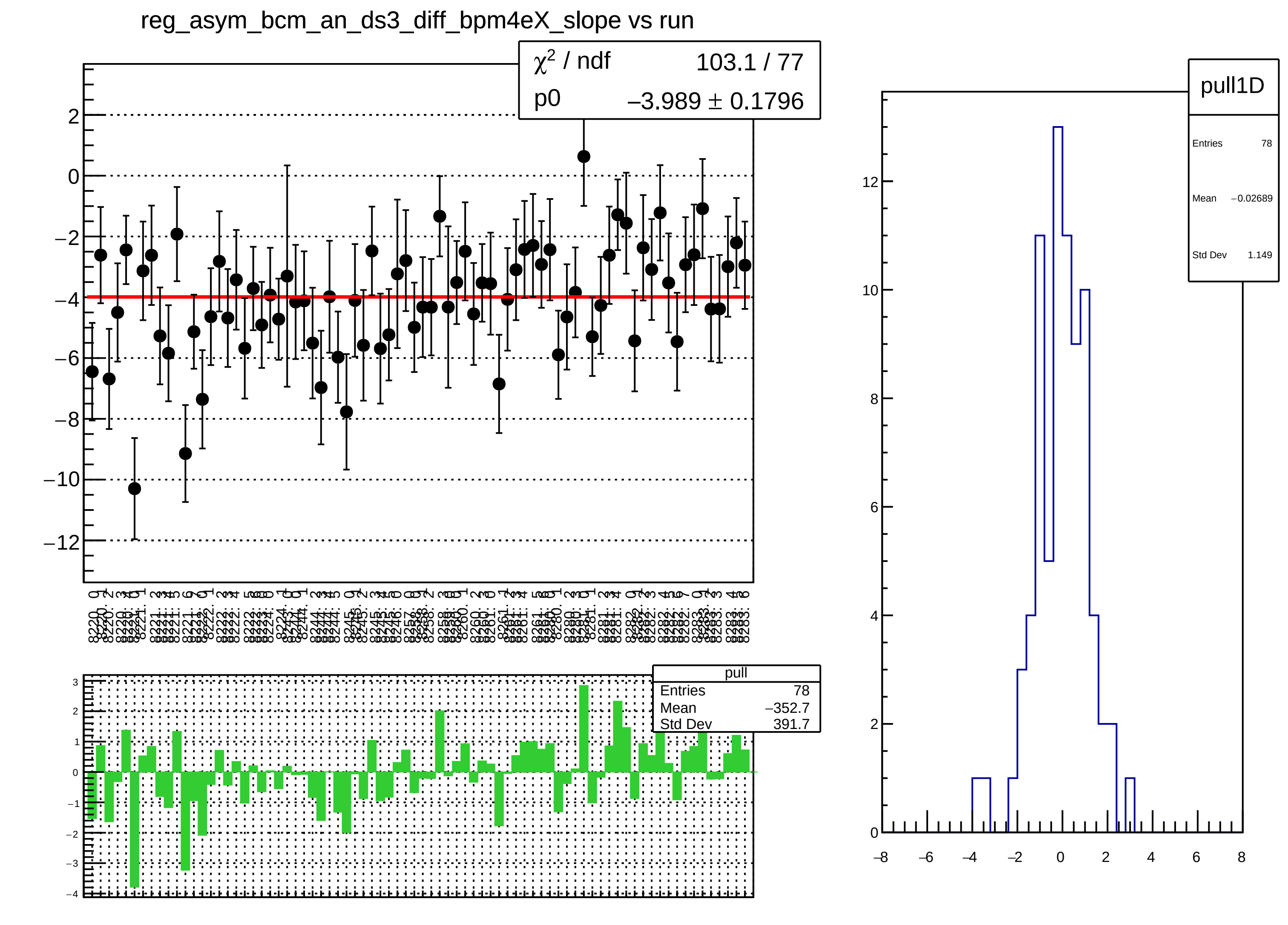

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ2 / ndf 198.3 / 77
p0 27.84 ± 0.1996
pull
Entries 78
Mean 152.7
Std Dev 116.6
pull1D
Entries 78
Mean 0.2302
Std Dev 1.578



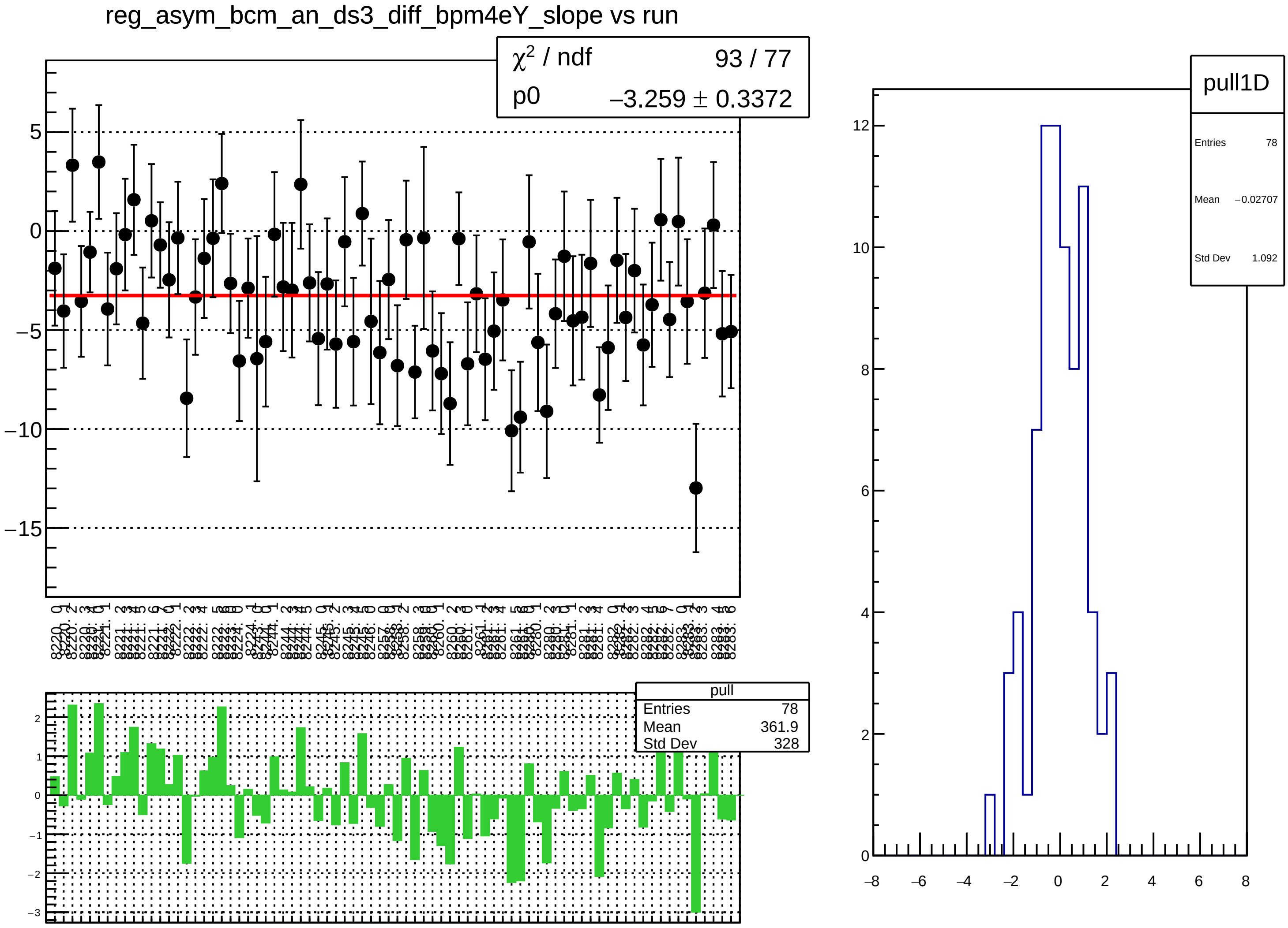
reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 124.1 / 77
p0 4.014 ± 0.1634
pull
Entries 78
Mean −272.6
Std Dev 310.2
pull1D
Entries 78
Mean 0.0524
Std Dev 1.26



reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 89.65 / 77
p0 2.673 ± 0.32
pull
Entries 78
Mean 311.6
Std Dev 278.9
pull1D
Entries 78
Mean 0.02686
Std Dev 1.072

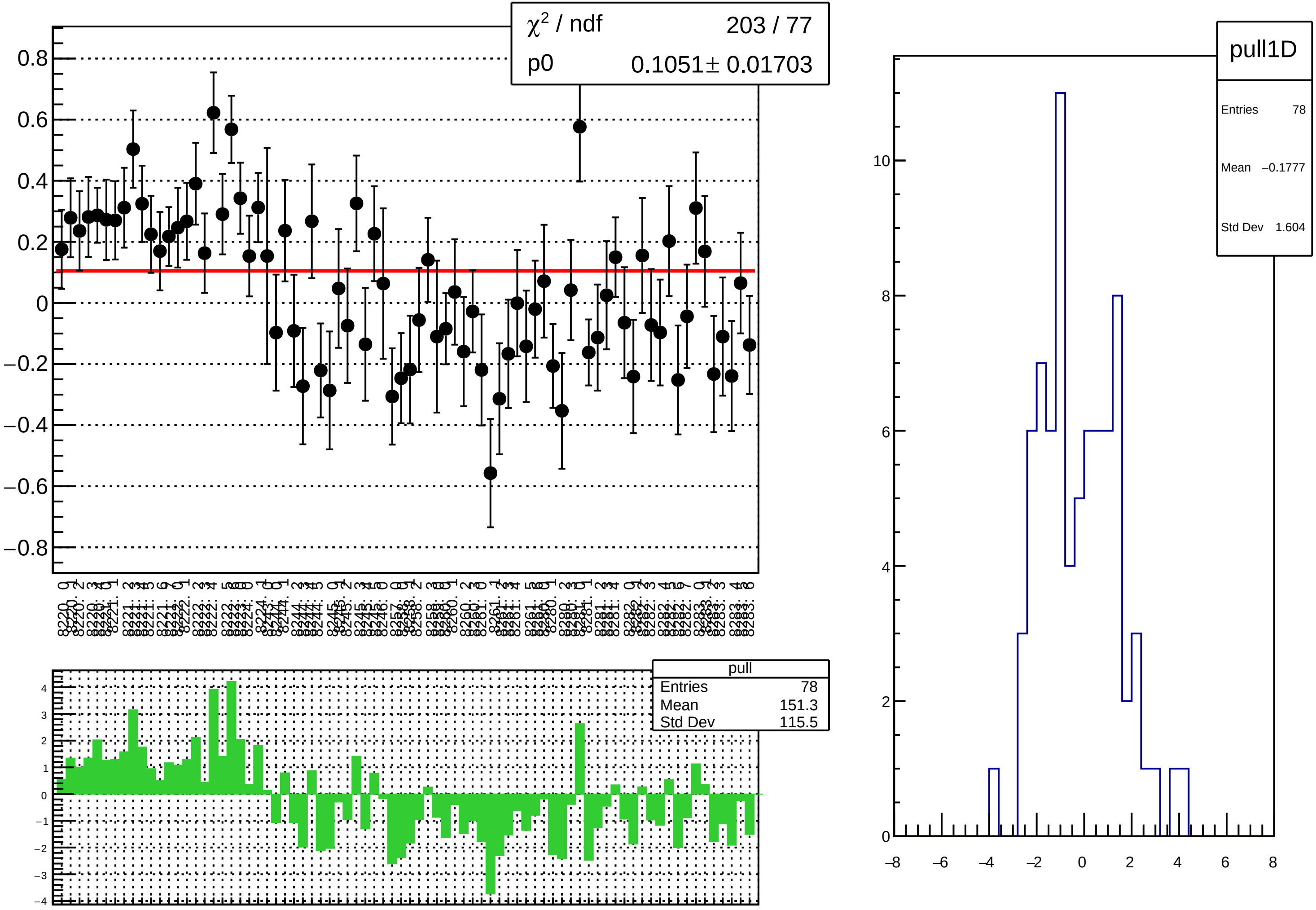


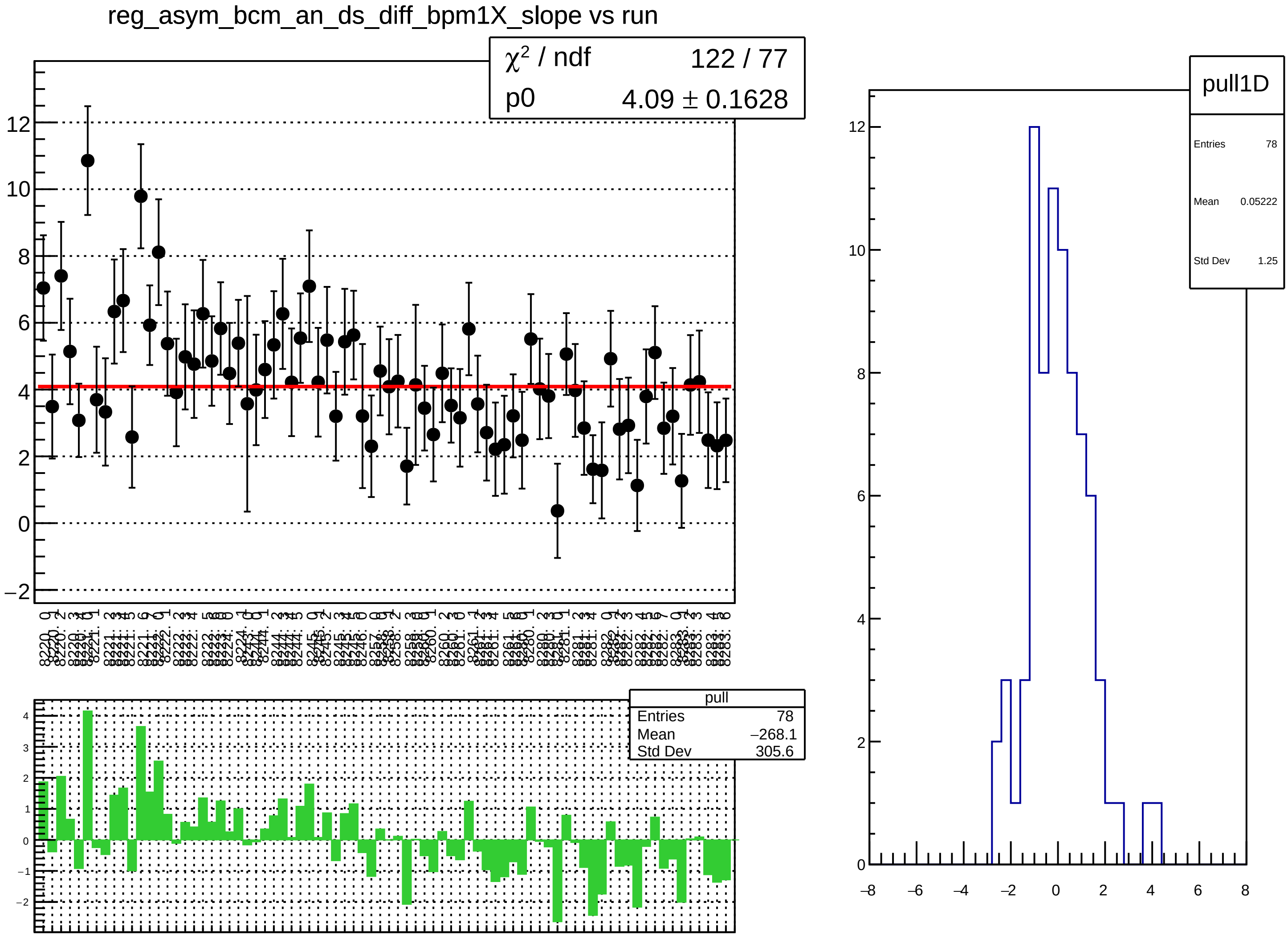
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ^2 / ndf 103.1 / 77
p0 −3.989 ± 0.1796
pull
Entries 78
Mean −352.7
Std Dev 391.7
pull1D
Entries 78
Mean −0.02689
Std Dev 1.149



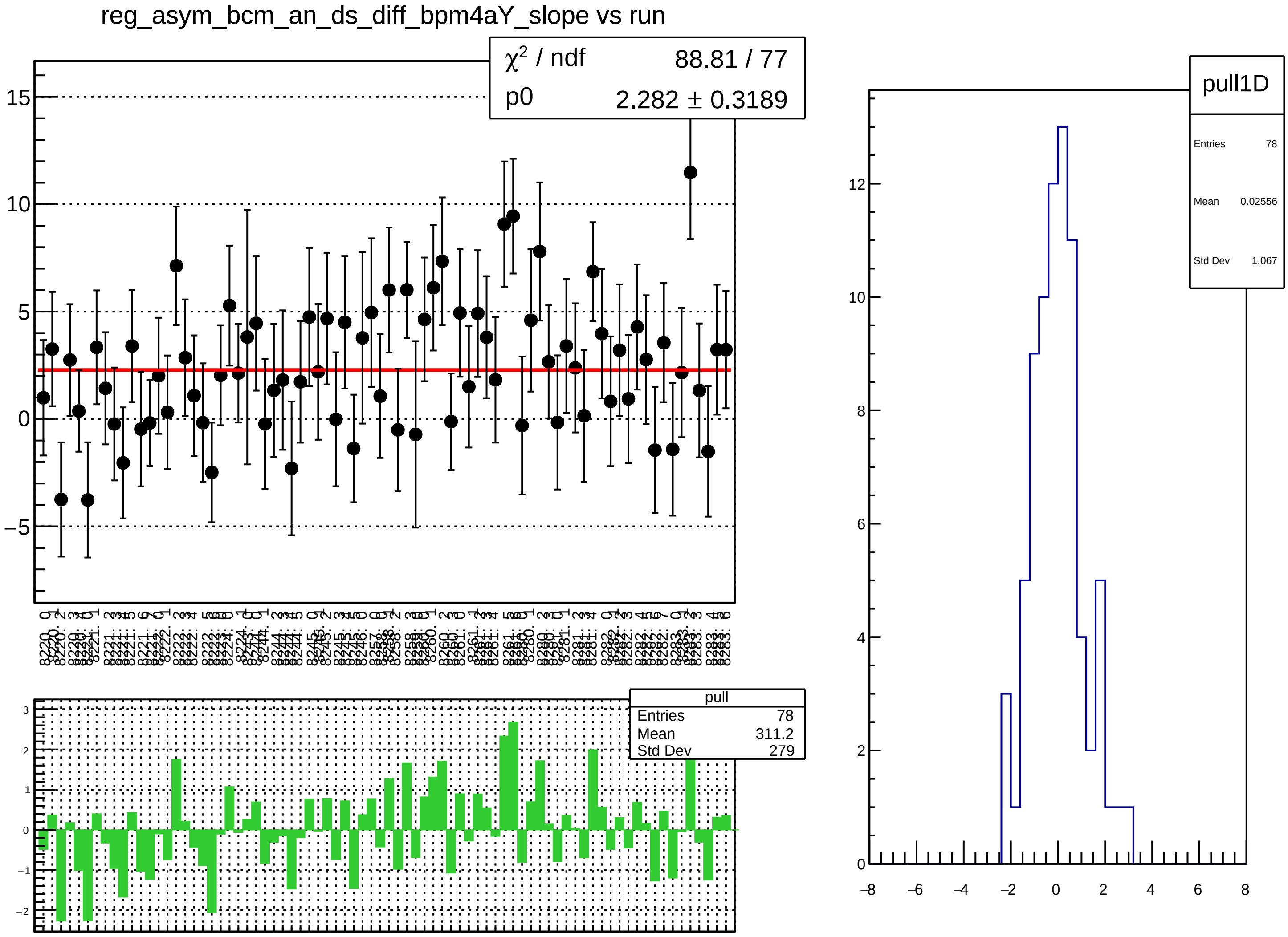
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 93 / 77
p0 −3.259 ± 0.3372
pull
Entries 78
Mean 361.9
Std Dev 328
pull1D
Entries 78
Mean −0.02707
Std Dev 1.092

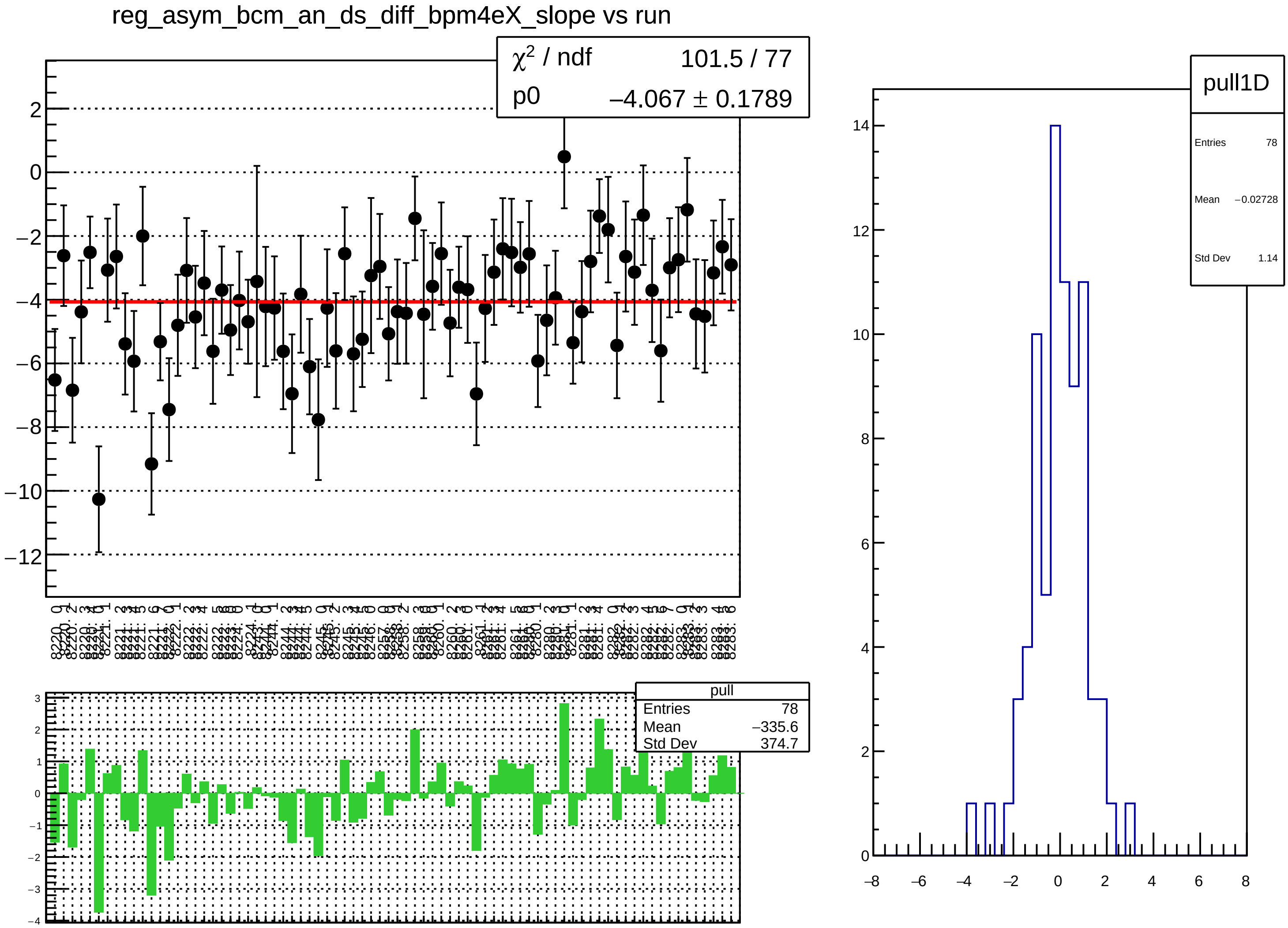
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run

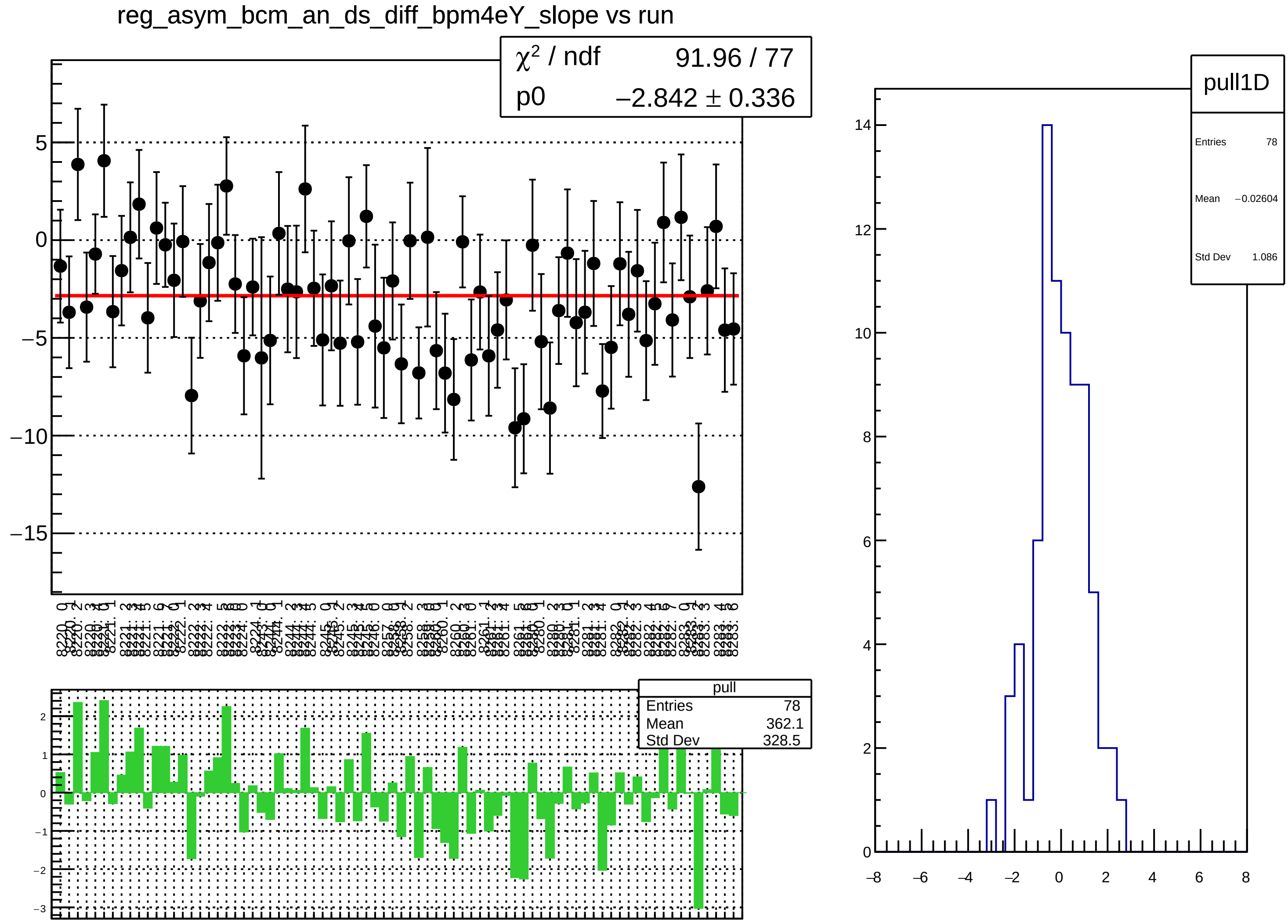




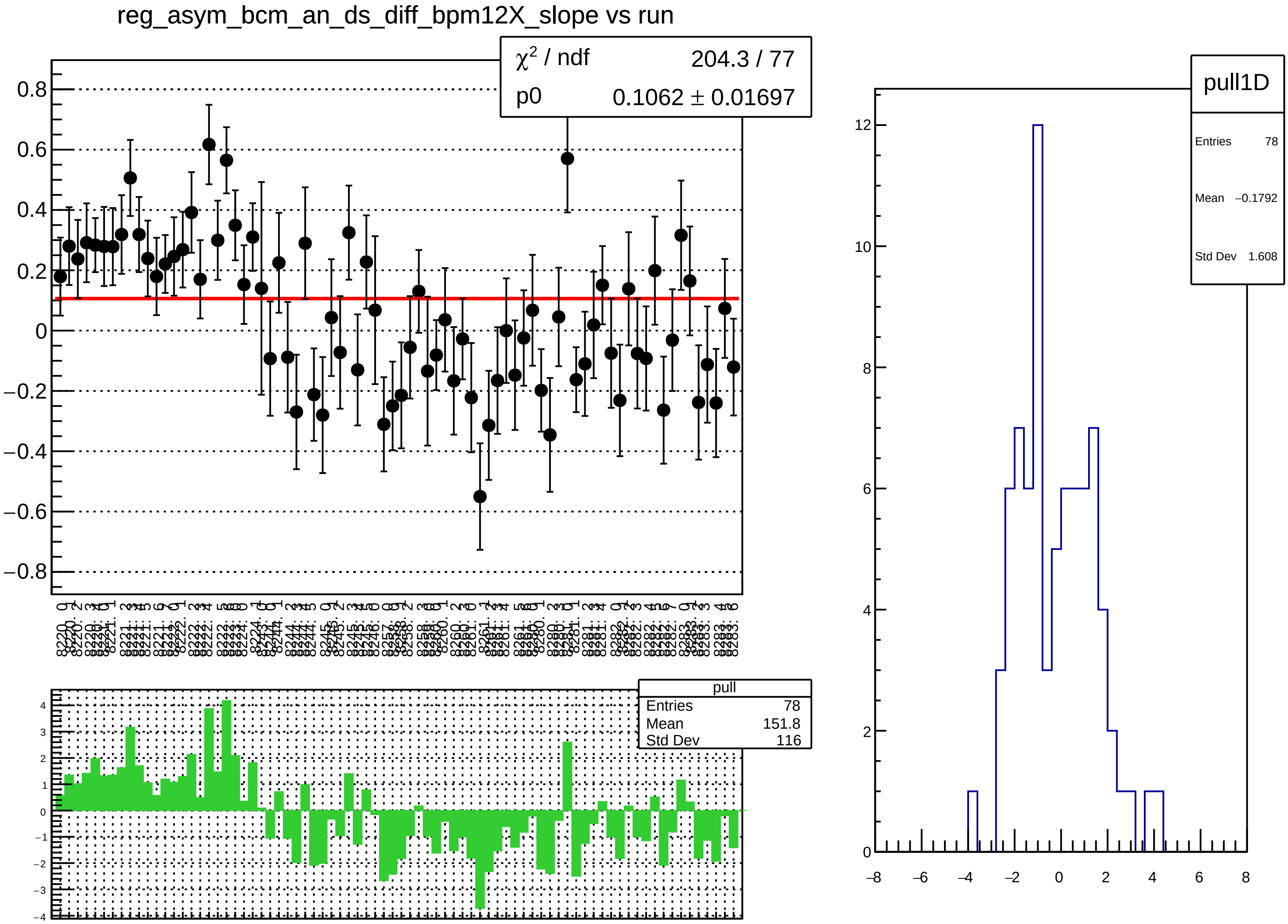
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 122 / 77
p0 4.09 ± 0.1628
pull
Entries 78
Mean −268.1
Std Dev 305.6
pull1D
Entries 78
Mean 0.05222
Std Dev 1.25


reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 88.81 / 77
p0 2.282 ± 0.3189
pull
Entries 78
Mean 311.2
Std Dev 279
pull1D
Entries 78
Mean 0.02556
Std Dev 1.067


reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 101.5 / 77
p0 −4.067 ± 0.1789
pull
Entries 78
Mean −335.6
Std Dev 374.7
pull1D
Entries 78
Mean −0.02728
Std Dev 1.14

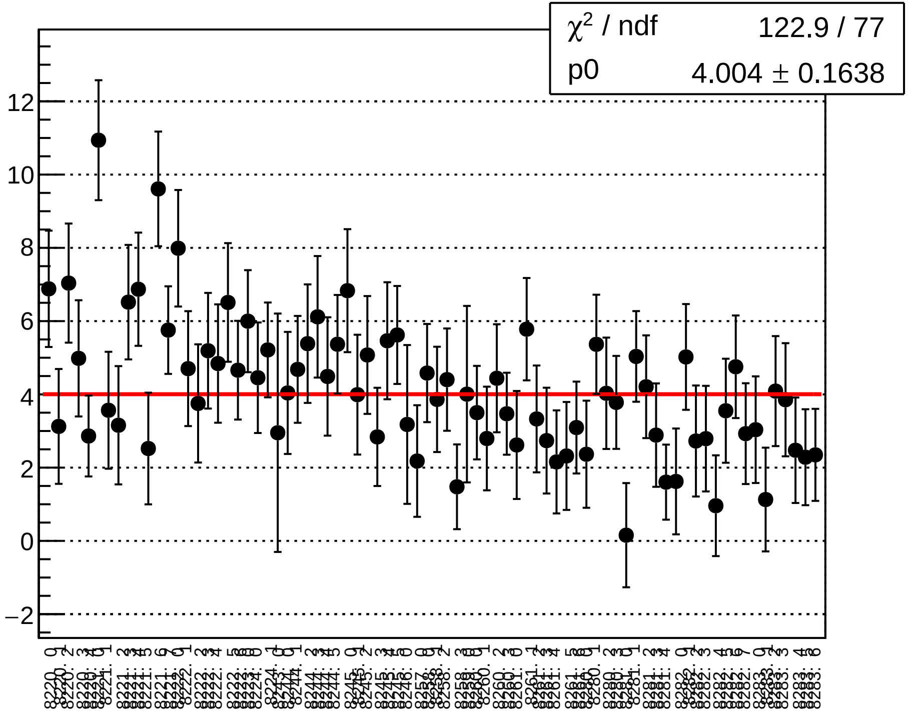


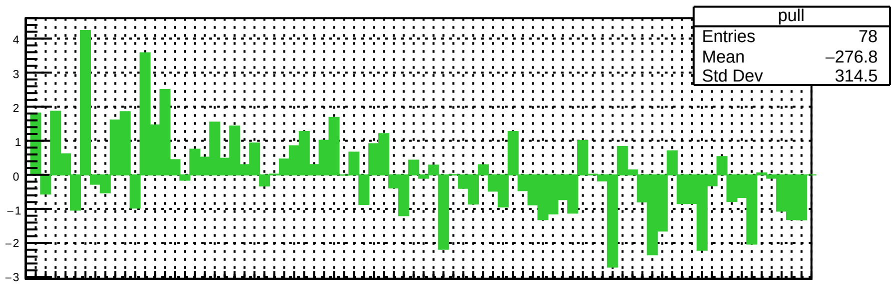
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 91.96 / 77
p0 −2.842 ± 0.336
pull
Entries 78
Mean 362.1
Std Dev 328.5
pull1D
Entries 78
Mean −0.02604
Std Dev 1.086

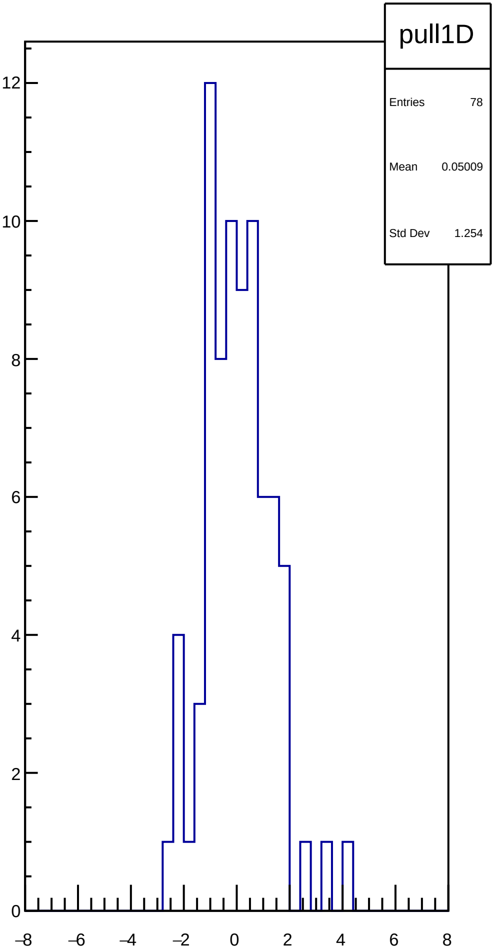


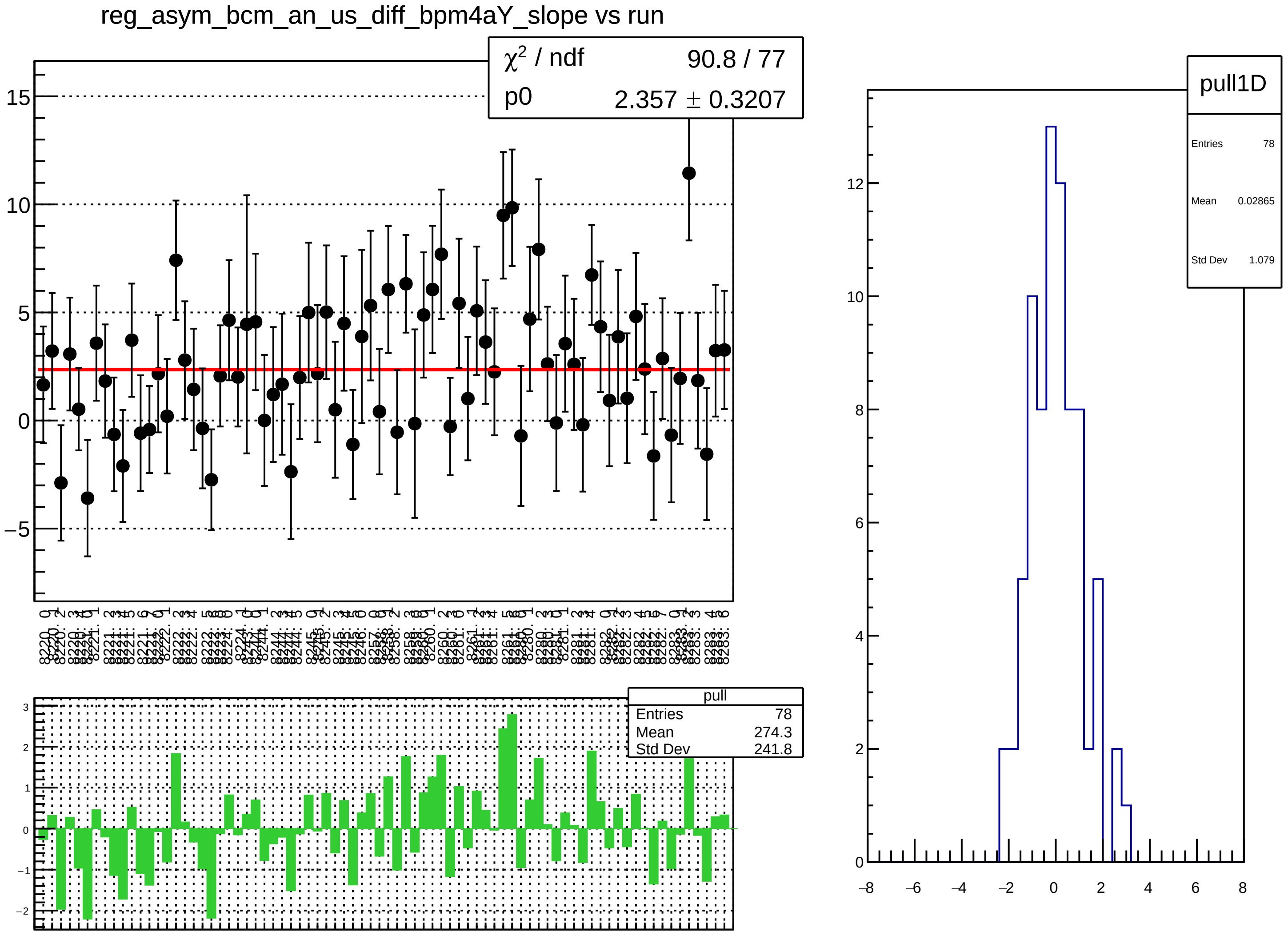
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ2 / ndf 204.3 / 77
p0 0.1062 ± 0.01697
pull
Entries 78
Mean 151.8
Std Dev 116
pull1D
Entries 78
Mean −0.1792
Std Dev 1.608

reg_asym_bcm_an_us_diff_bpm1X_slope vs run

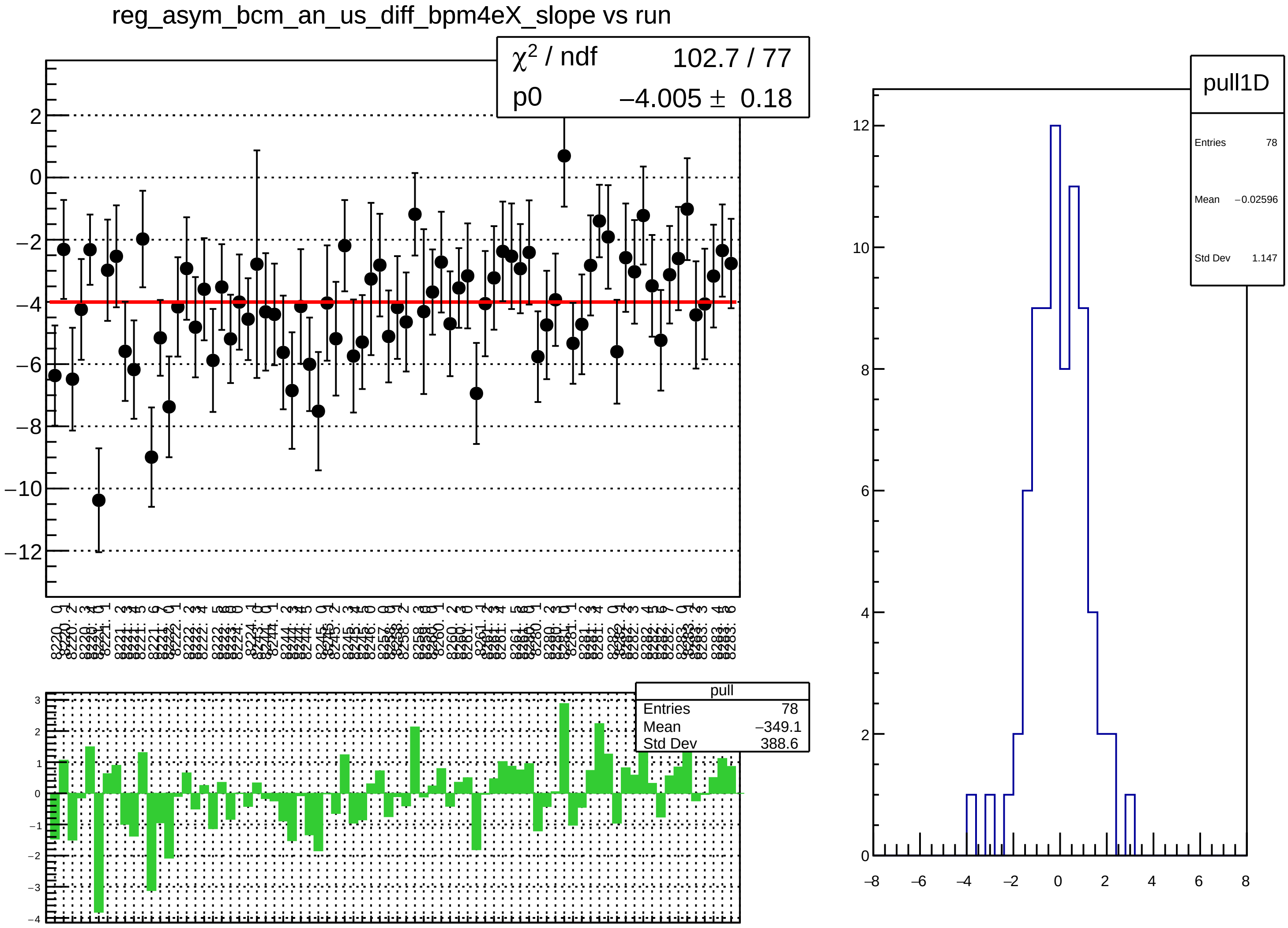




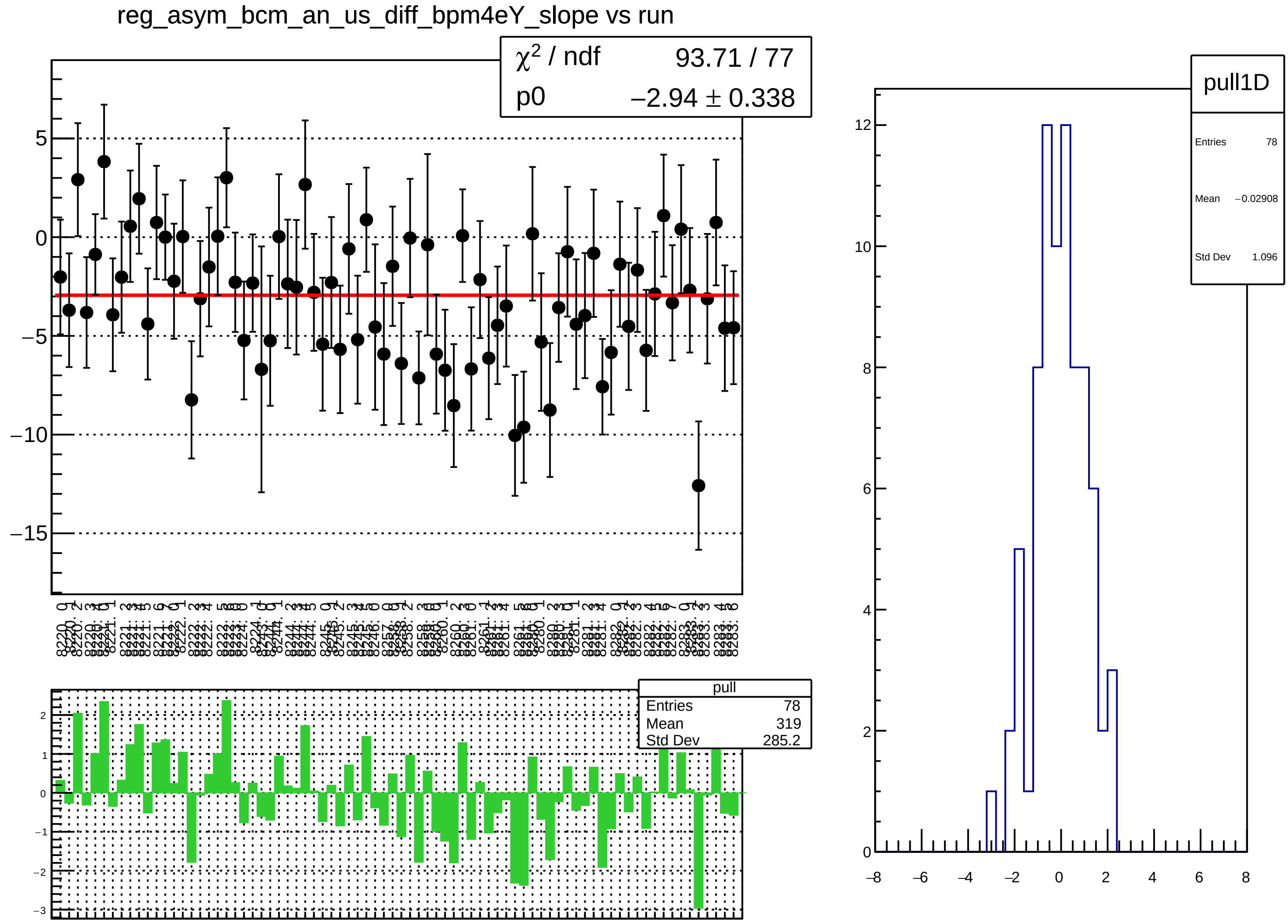




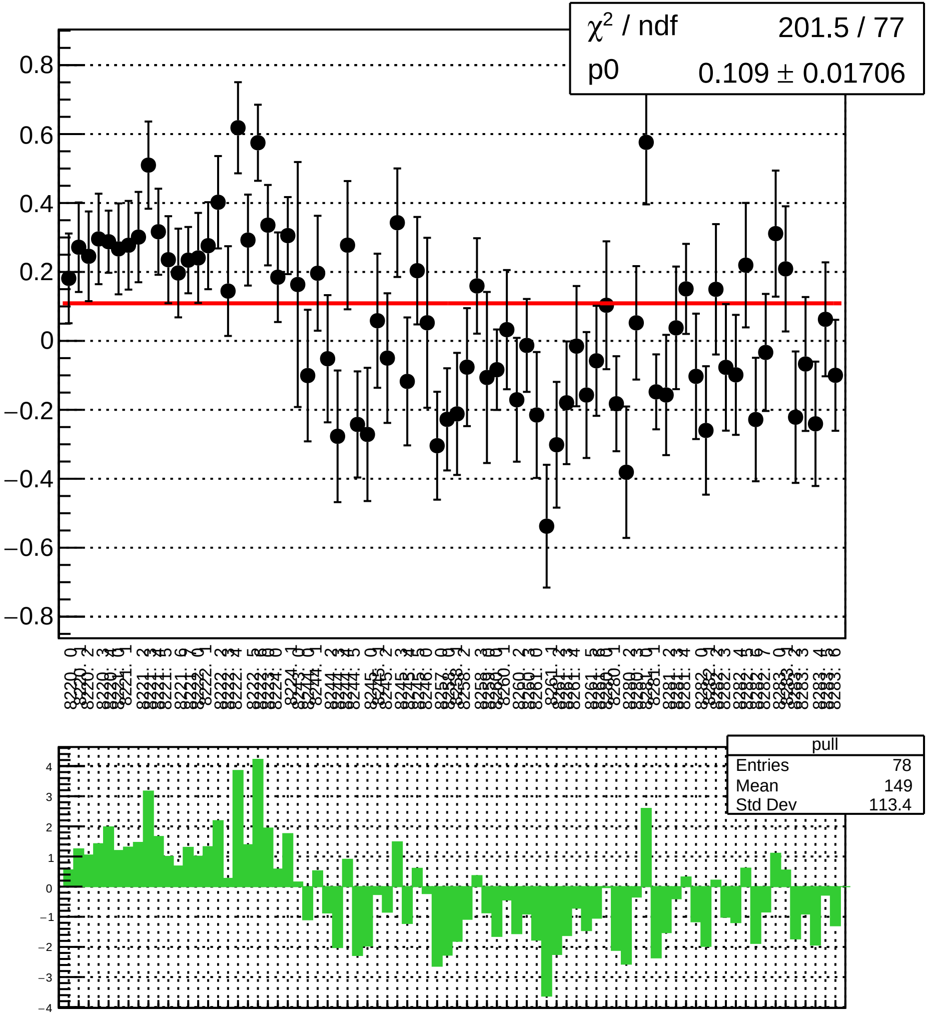
reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / ndf 90.8 / 77
p0 2.357 ± 0.3207
pull
Entries 78
Mean 274.3
Std Dev 241.8
pull1D
Entries 78
Mean 0.02865
Std Dev 1.079

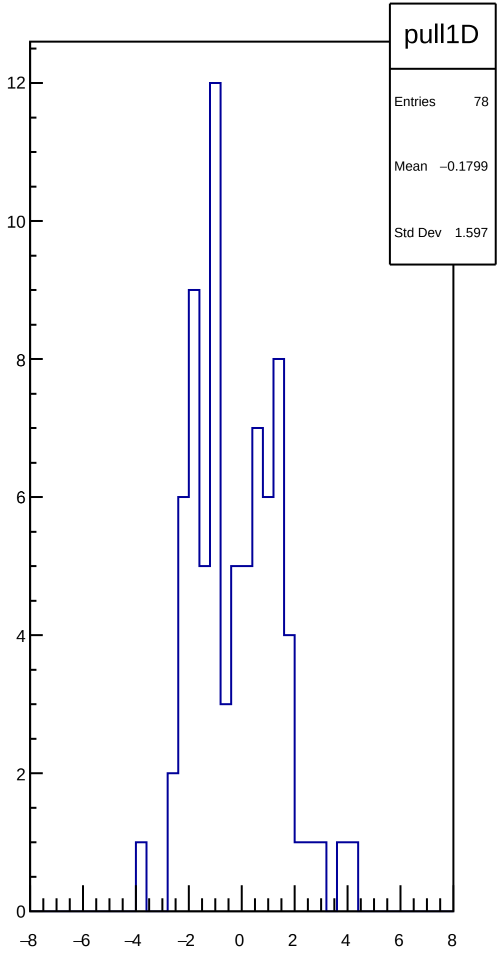


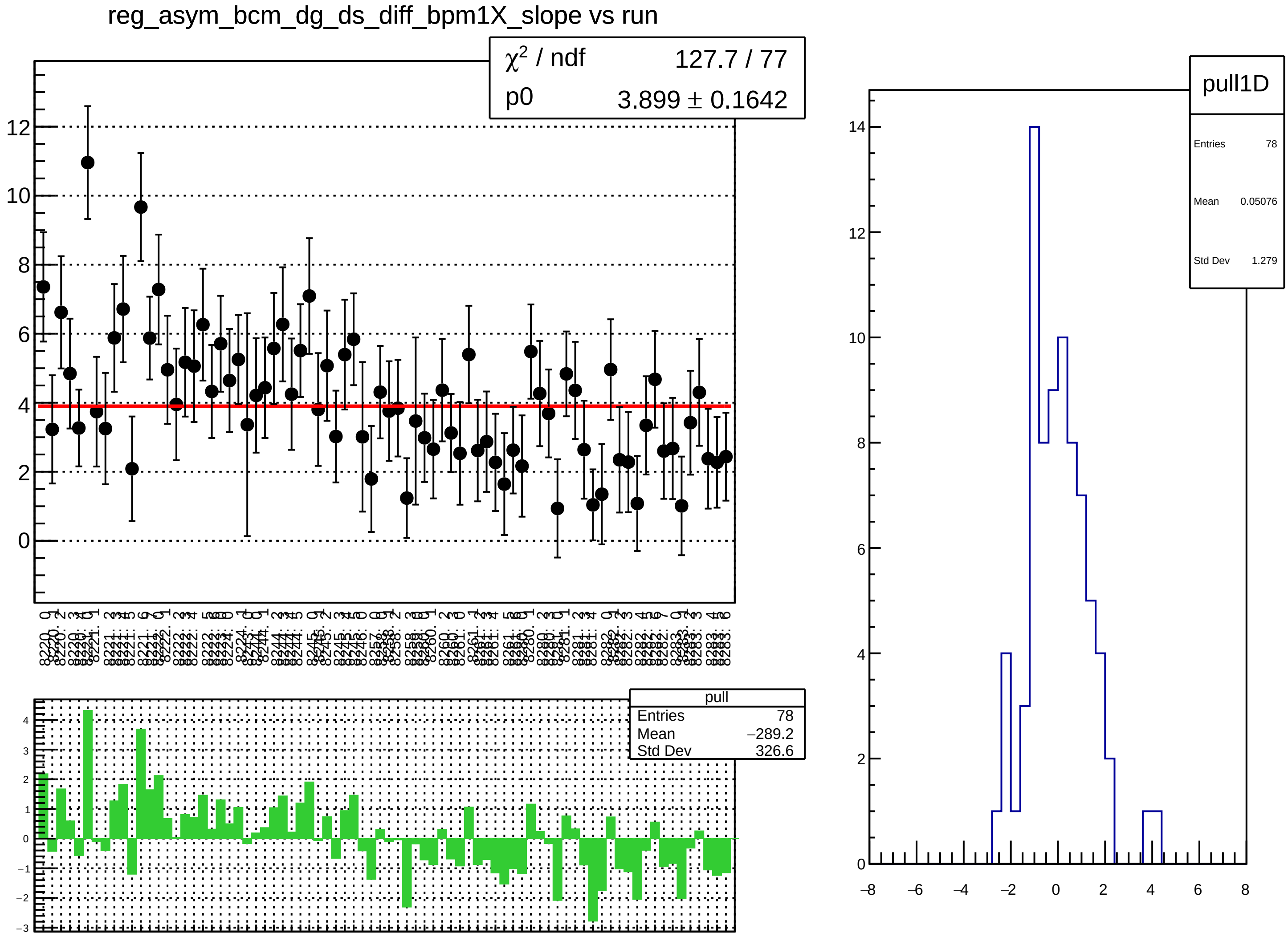
reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 102.7 / 77
p0 −4.005 ± 0.18
pull
Entries 78
Mean −349.1
Std Dev 388.6
pull1D
Entries 78
Mean −0.02596
Std Dev 1.147


reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 93.71 / 77
p0 −2.94 ± 0.338
pull
Entries 78
Mean 319
Std Dev 285.2
pull1D
Entries 78
Mean −0.02908
Std Dev 1.096

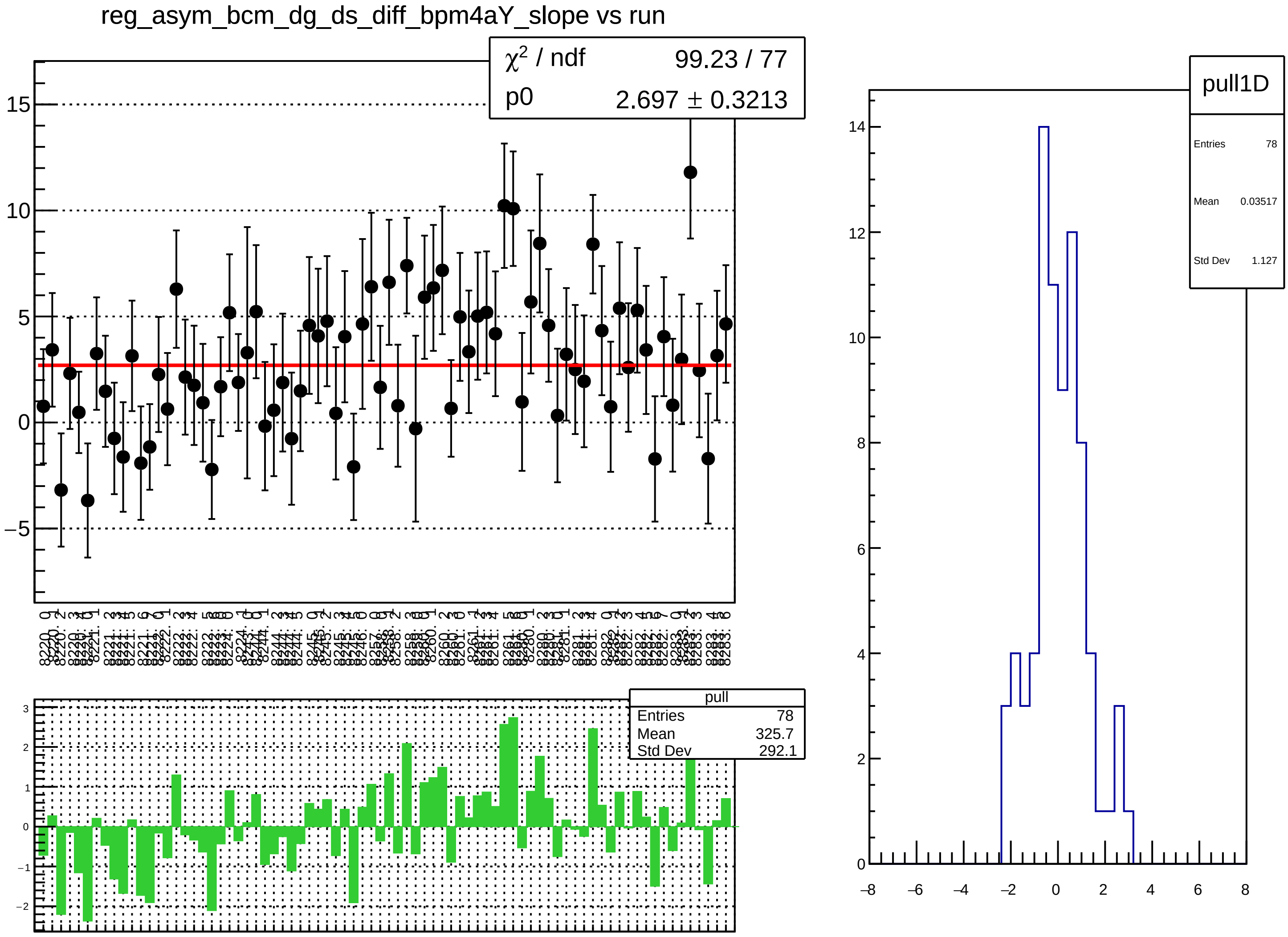
reg_asym_bcm_an_us_diff_bpm12X_slope vs run



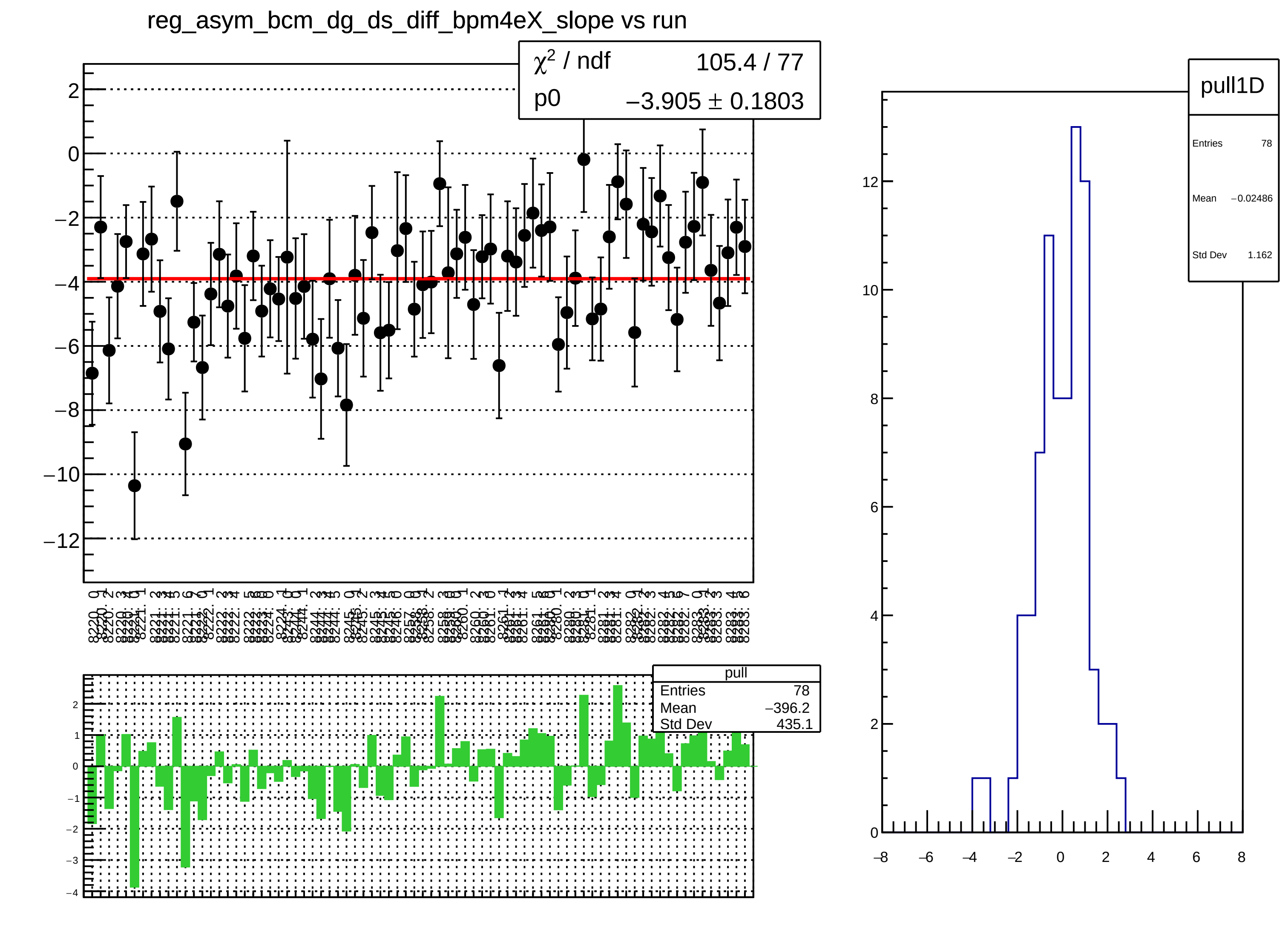




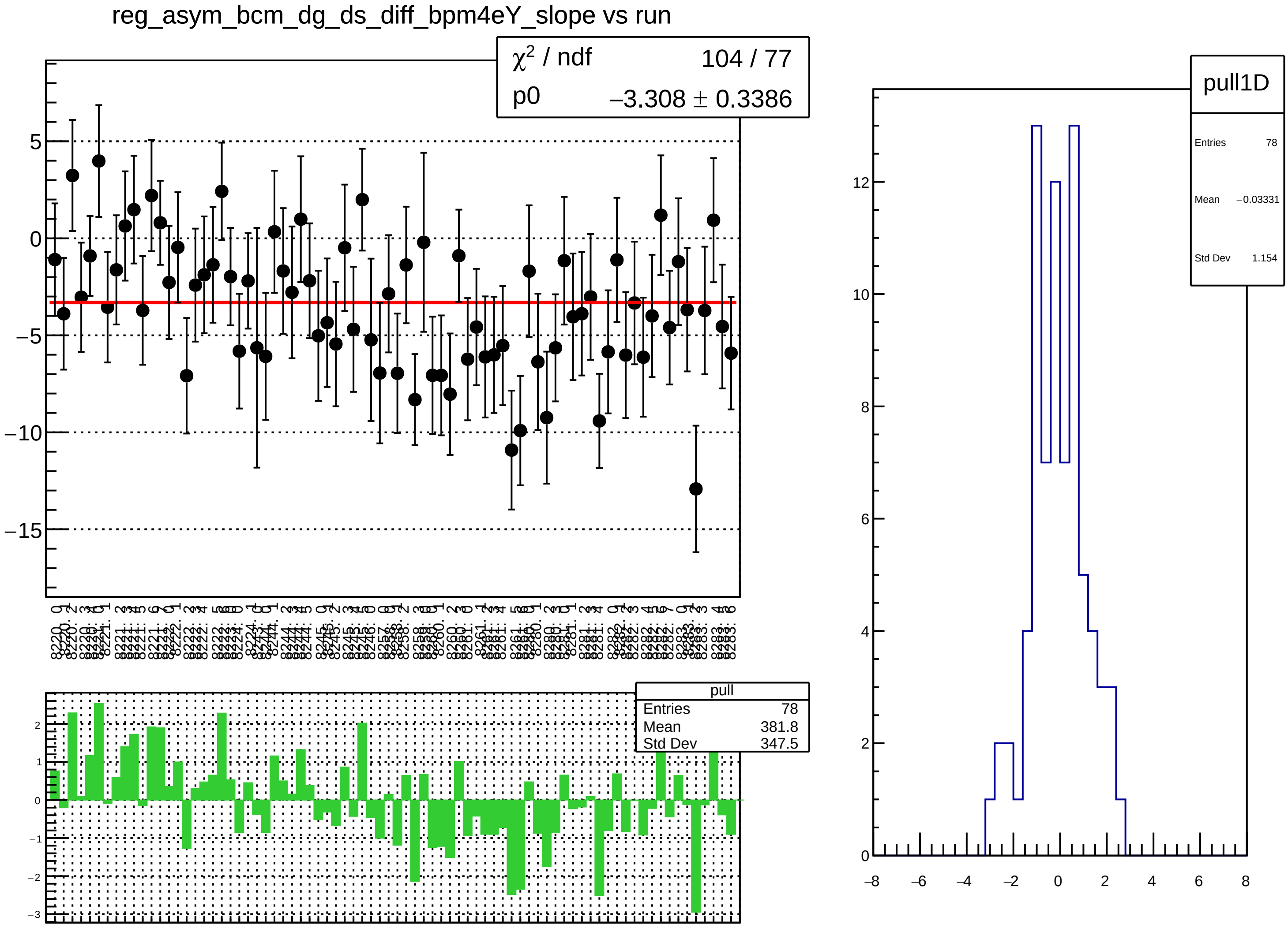
reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 127.7 / 77
p0 3.899 ± 0.1642
pull
Entries 78
Mean −289.2
Std Dev 326.6
pull1D
Entries 78
Mean 0.05076
Std Dev 1.279

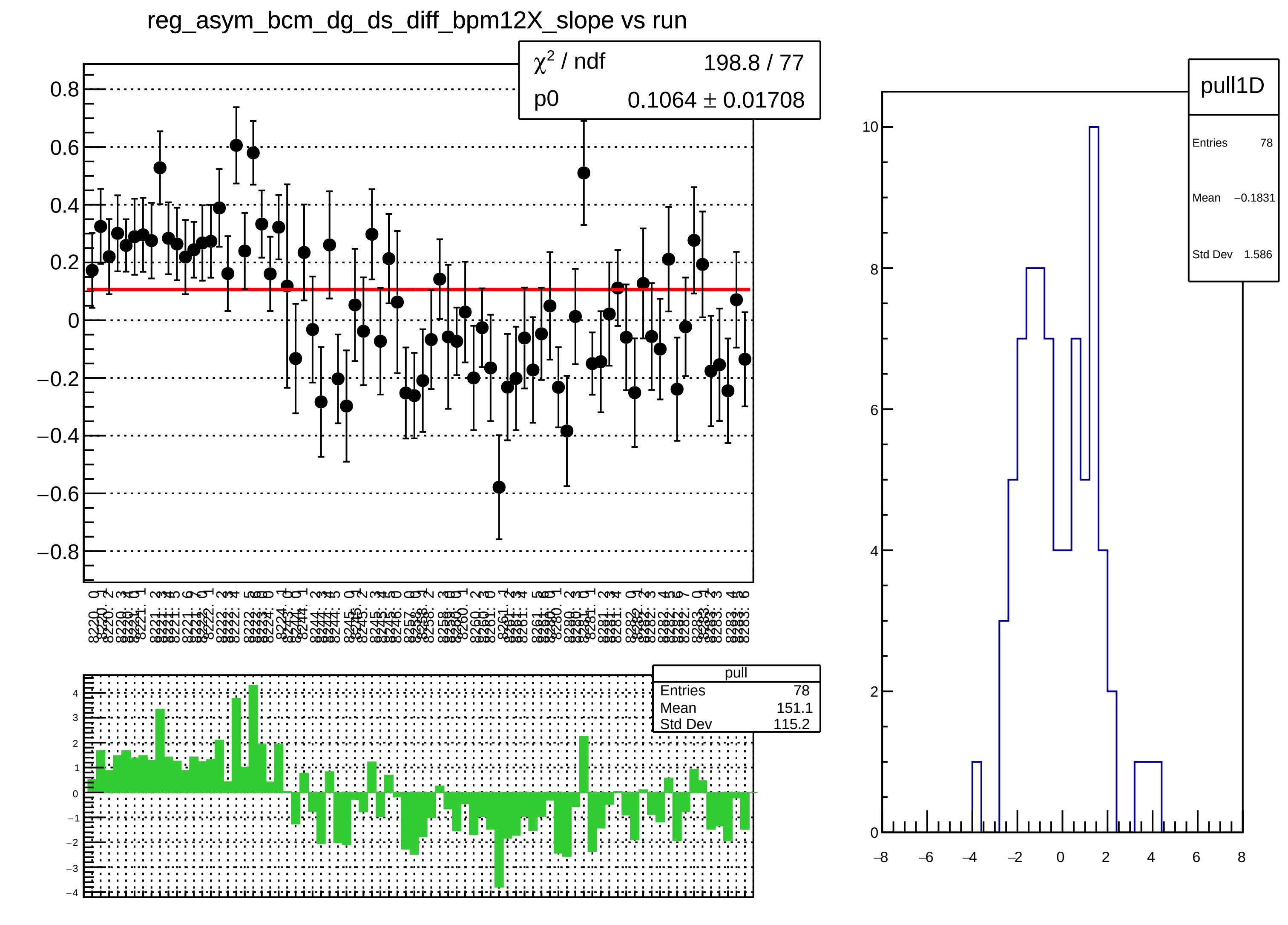


reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 99.23 / 77
p0 2.697 ± 0.3213
pull
Entries 78
Mean 325.7
Std Dev 292.1
pull1D
Entries 78
Mean 0.03517
Std Dev 1.127

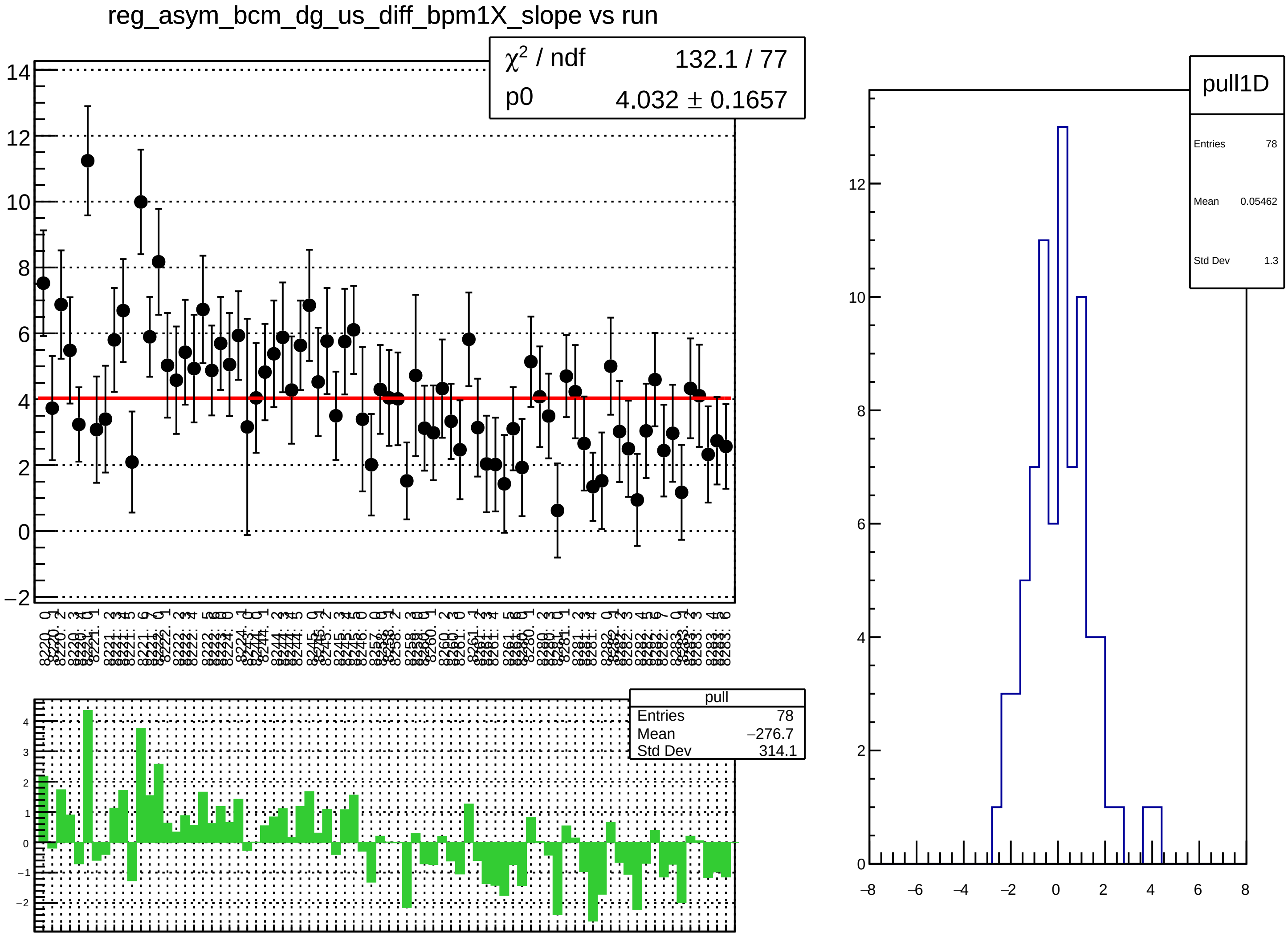


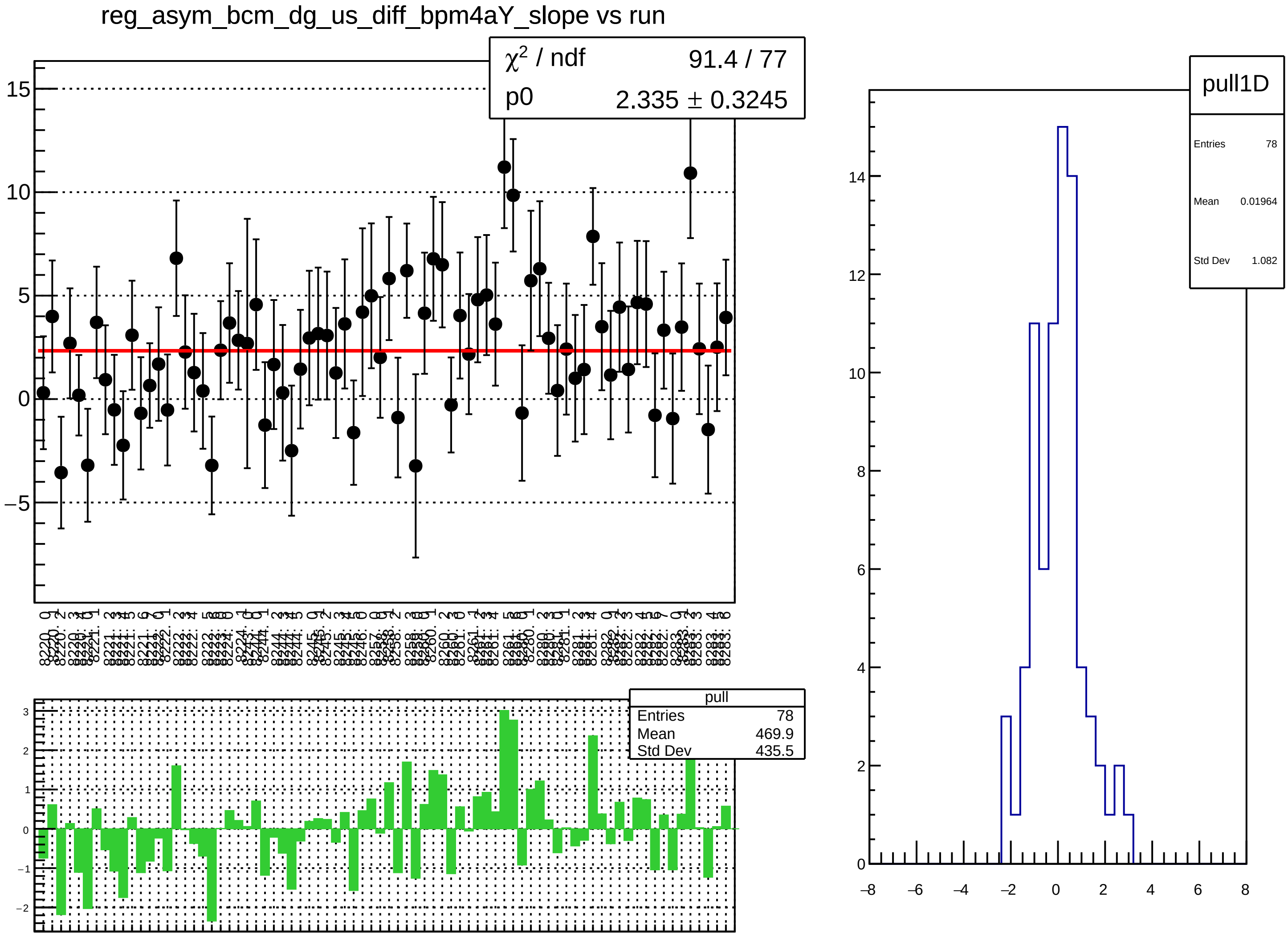
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 105.4 / 77
p0 −3.905 ± 0.1803
pull
Entries 78
Mean −396.2
Std Dev 435.1
pull1D
Entries 78
Mean −0.02486
Std Dev 1.162


reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ2 / ndf 104 / 77
p0 −3.308 ± 0.3386
pull
Entries 78
Mean 381.8
Std Dev 347.5
pull1D
Entries 78
Mean −0.03331
Std Dev 1.154

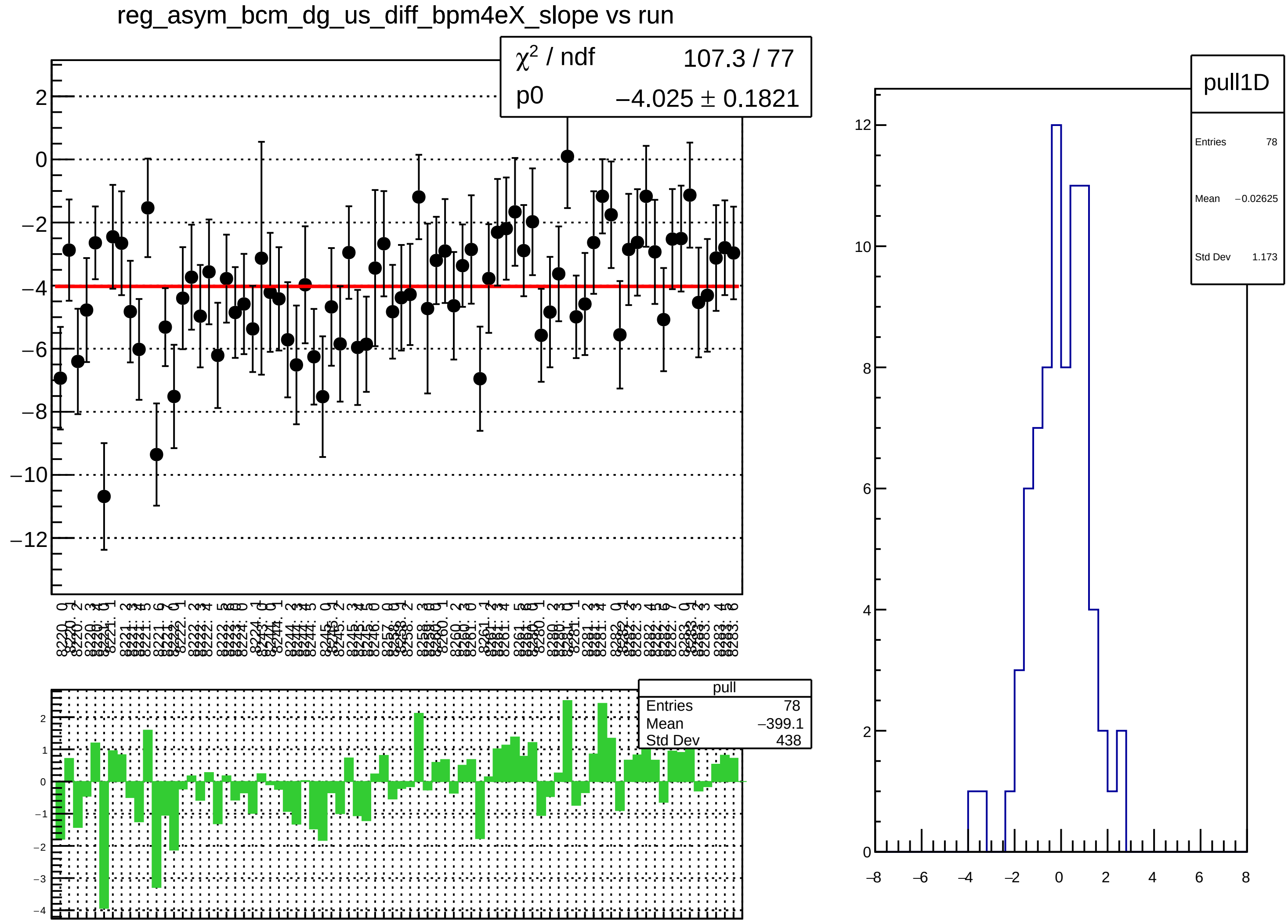


reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ^2 / ndf 198.8 / 77
p0 0.1064 ± 0.01708
pull
Entries 78
Mean 151.1
Std Dev 115.2
pull1D
Entries 78
Mean −0.1831
Std Dev 1.586

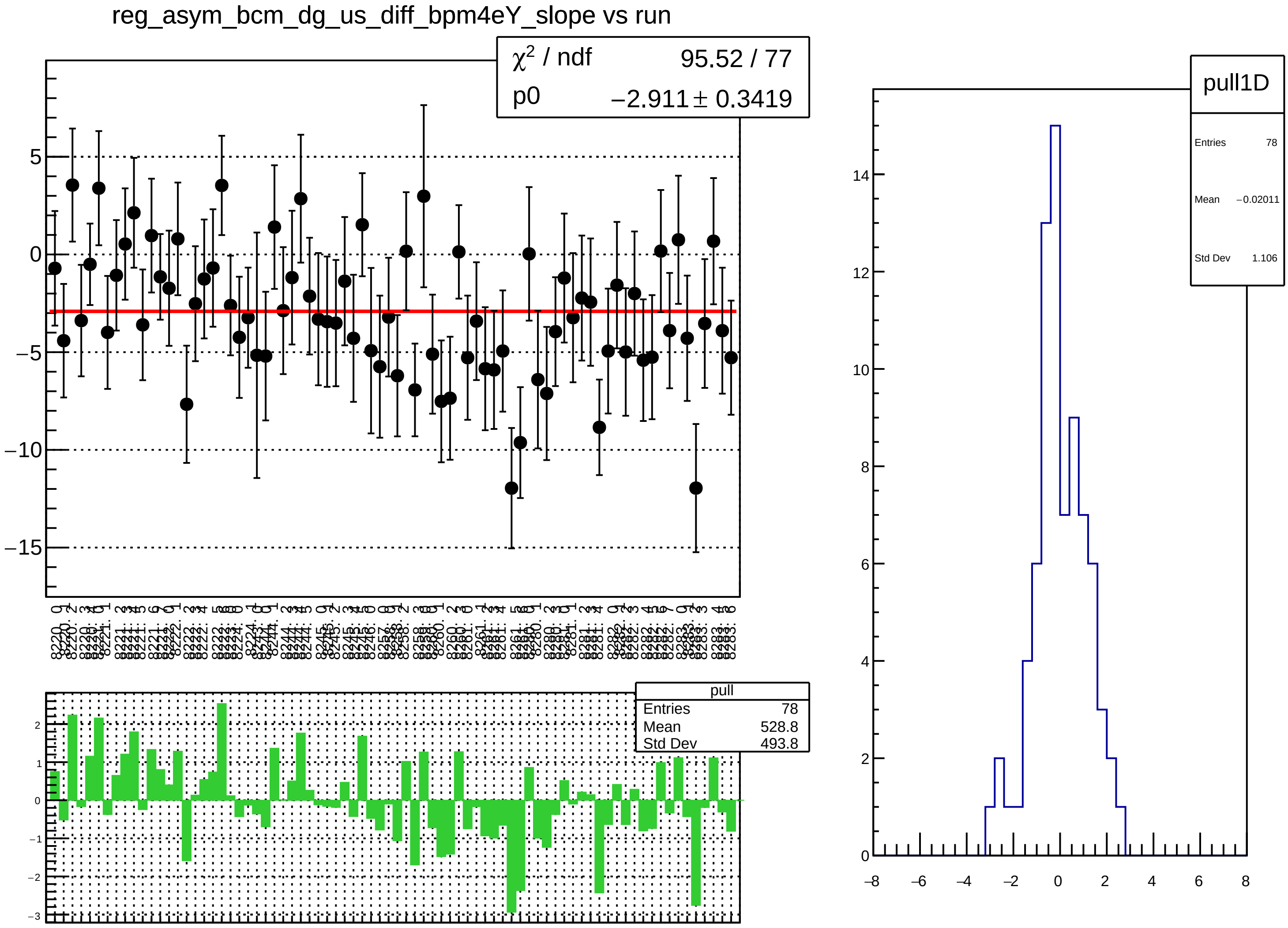

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 132.1 / 77
p0 4.032 ± 0.1657
pull
Entries 78
Mean −276.7
Std Dev 314.1
pull1D
Entries 78
Mean 0.05462
Std Dev 1.3



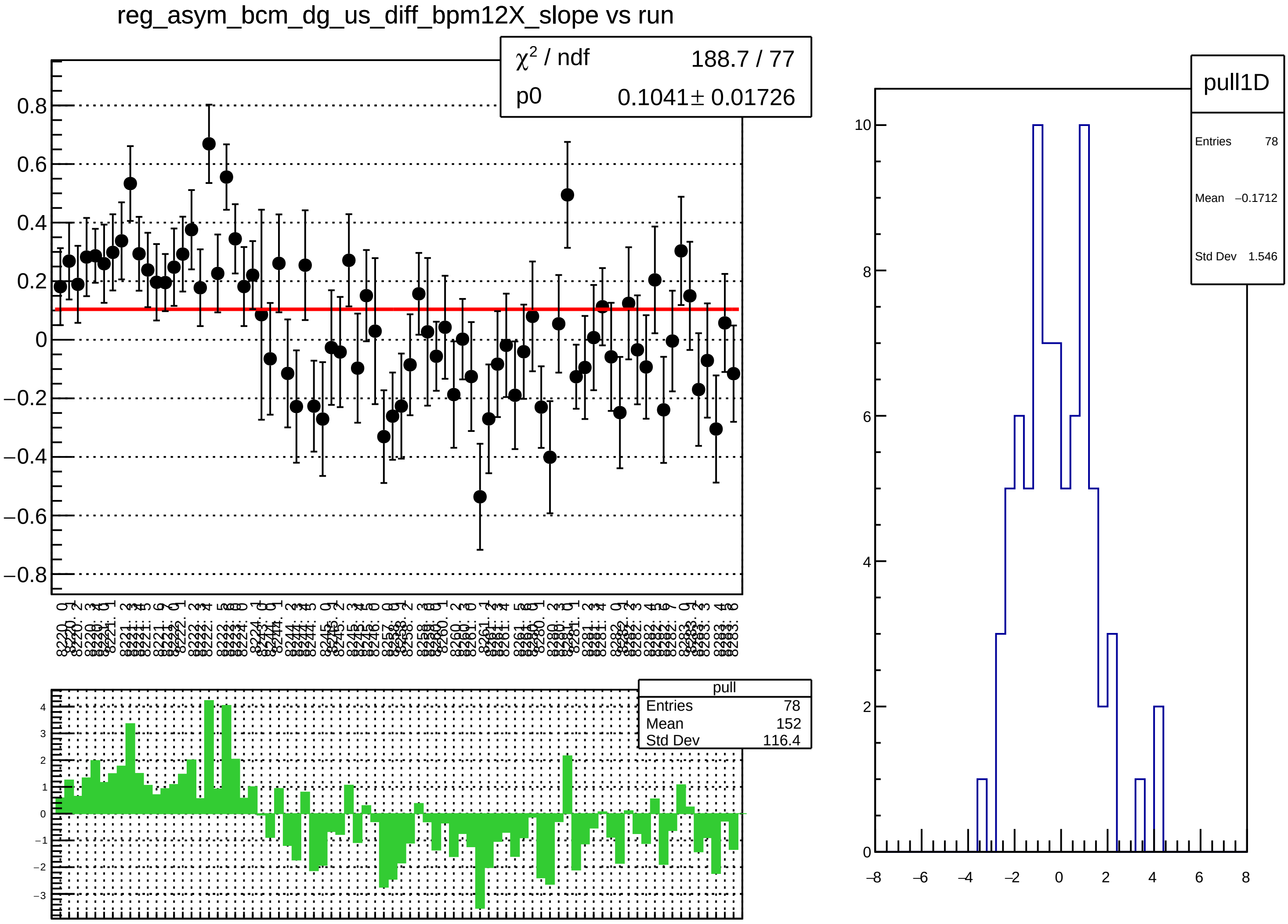
reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ2 / ndf 91.4 / 77
p0 2.335 ± 0.3245
pull
Entries 78
Mean 469.9
Std Dev 435.5
pull1D
Entries 78
Mean 0.01964
Std Dev 1.082



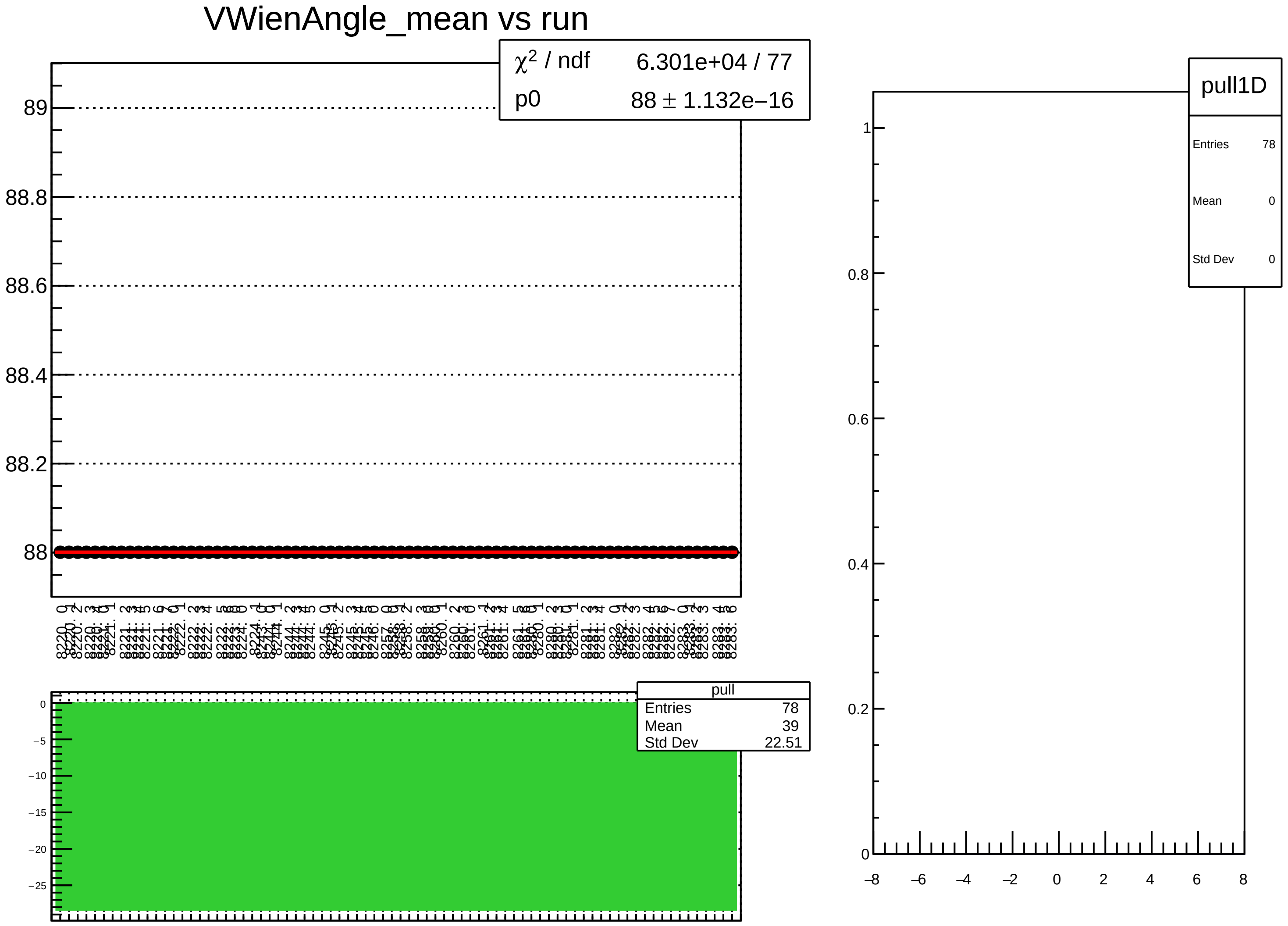
reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 107.3 / 77
p0 −4.025 ± 0.1821
pull
Entries 78
Mean −399.1
Std Dev 438
pull1D
Entries 78
Mean −0.02625
Std Dev 1.173



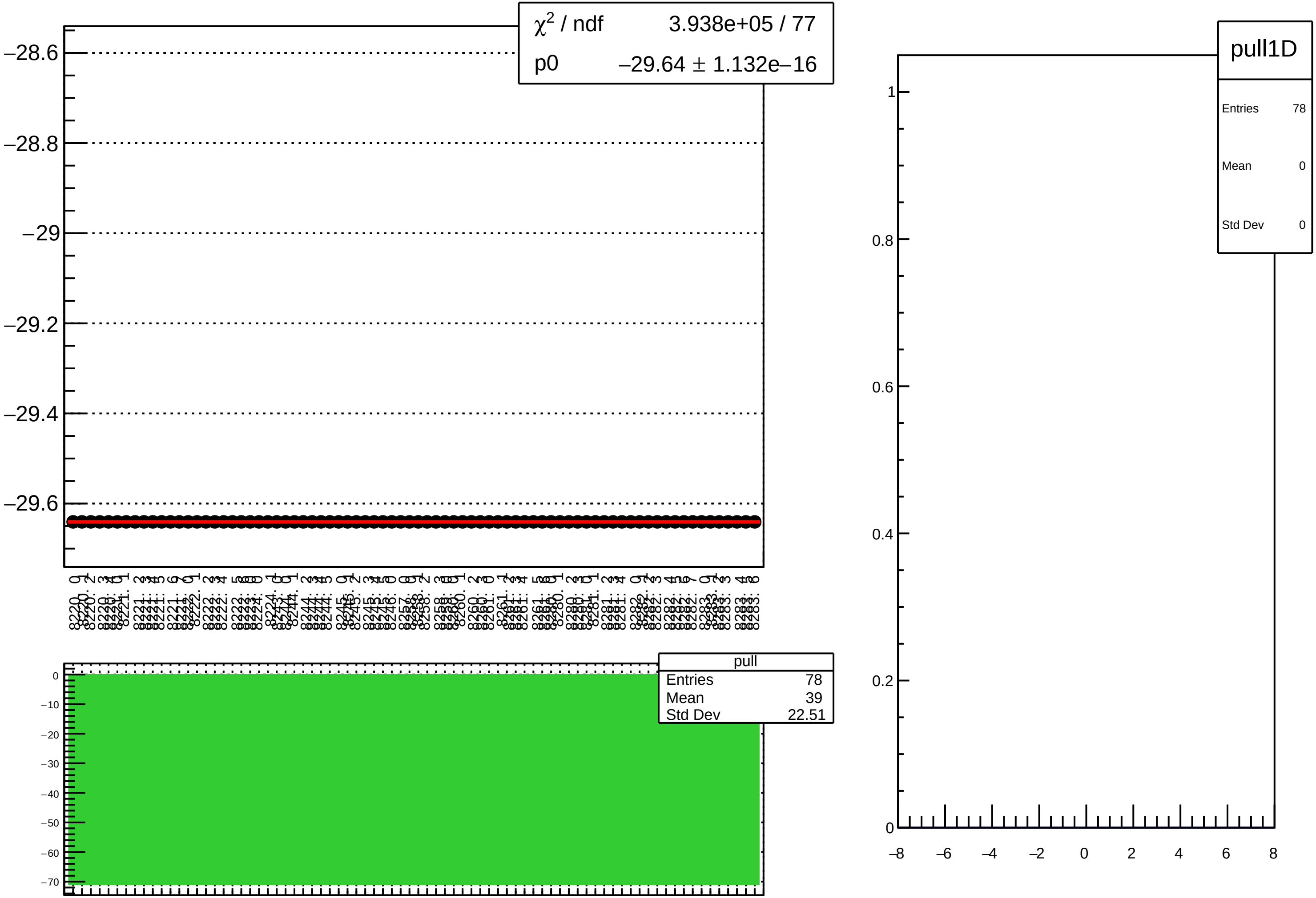
reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ^2 / ndf 95.52 / 77
p0 −2.911 ± 0.3419
pull
Entries 78
Mean 528.8
Std Dev 493.8
pull1D
Entries 78
Mean −0.02011
Std Dev 1.106

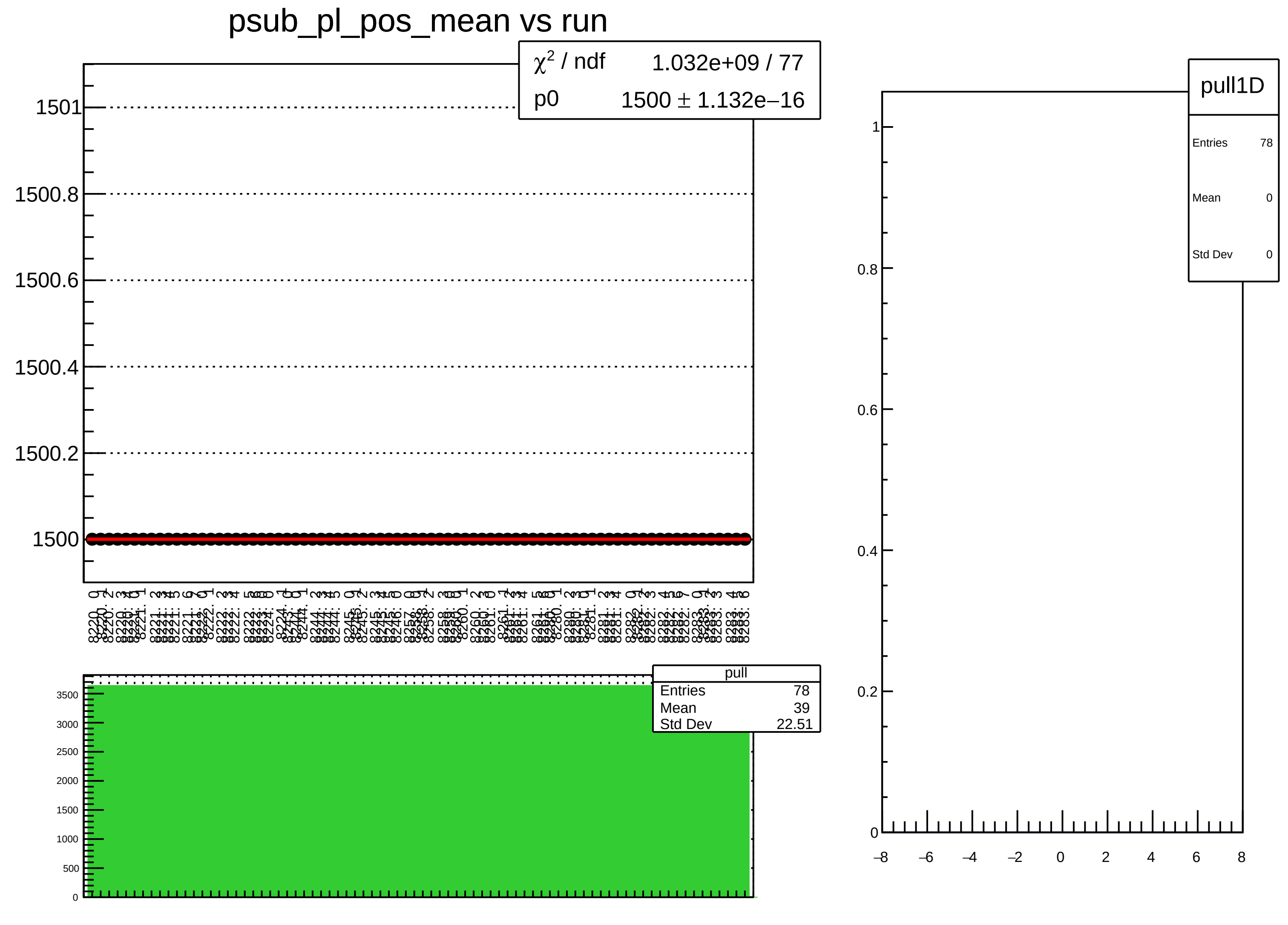


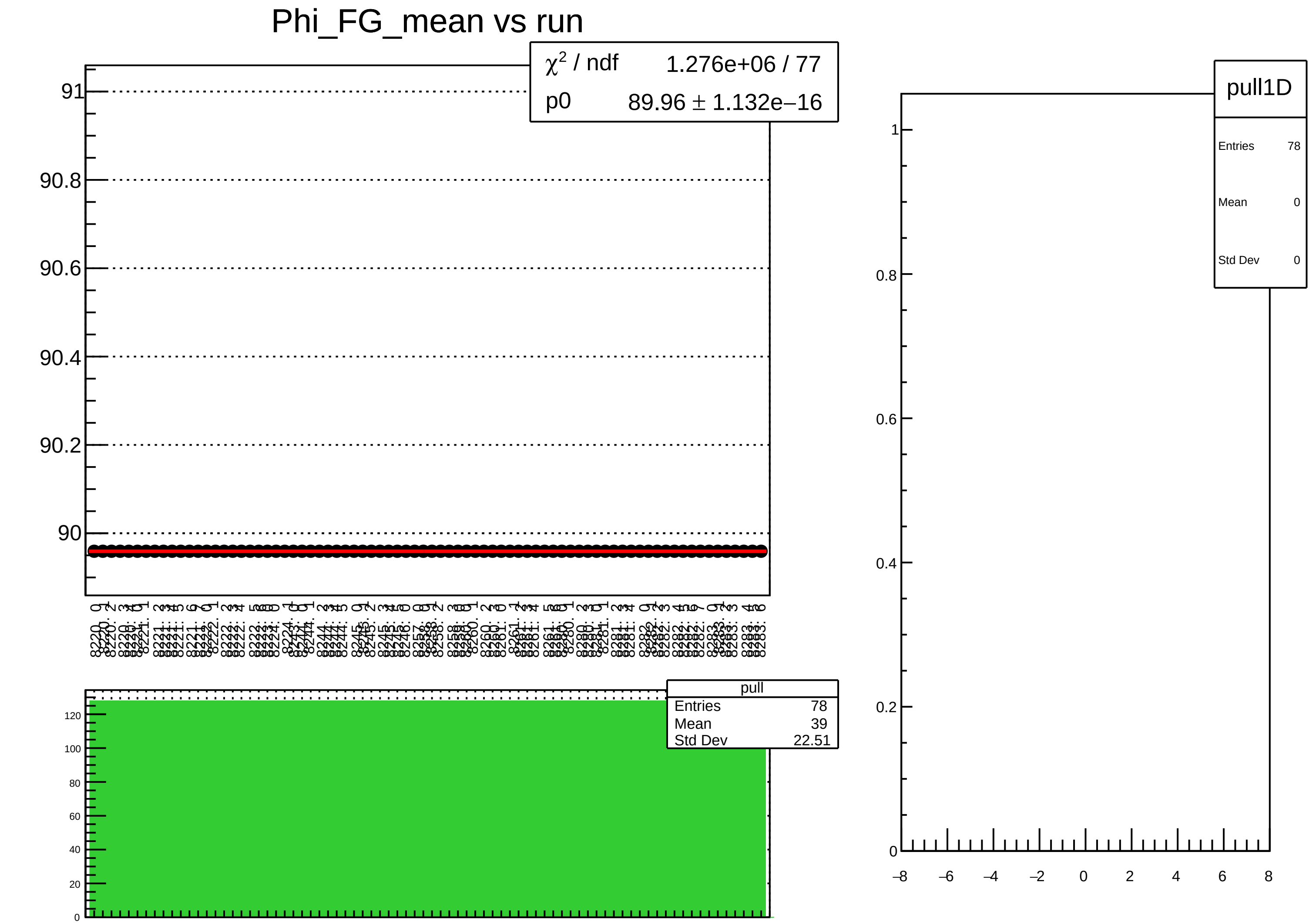
reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ^2 / ndf 188.7 / 77
p0 0.1041 ± 0.01726
pull
Entries 78
Mean 152
Std Dev 116.4
pull1D
Entries 78
Mean −0.1712
Std Dev 1.546


VWienAngle_mean vs run
χ² / ndf 6.301e+04 / 77
p0 88 ± 1.132e−16
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 0
Std Dev 0

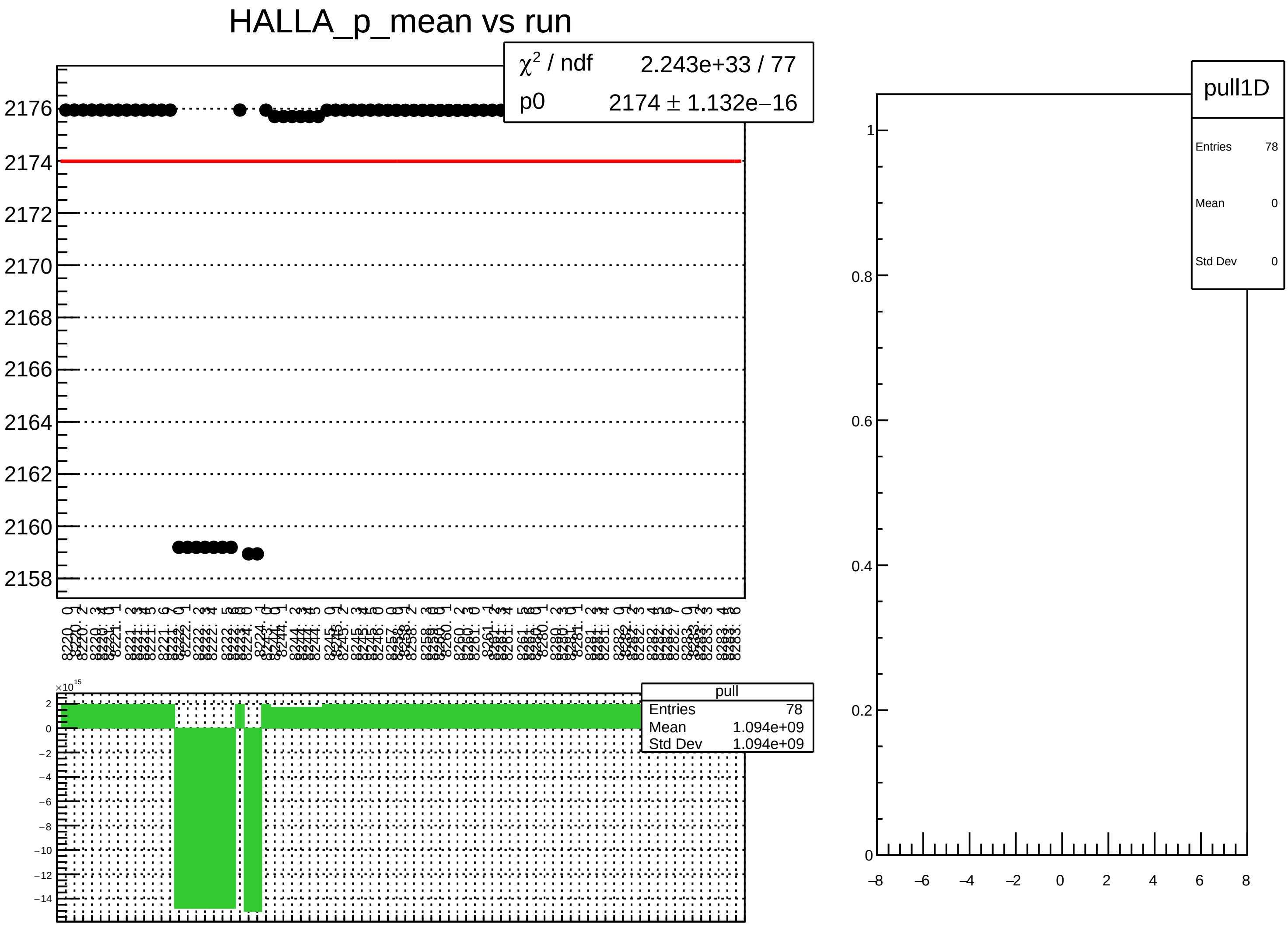
HWienAngle_mean vs run



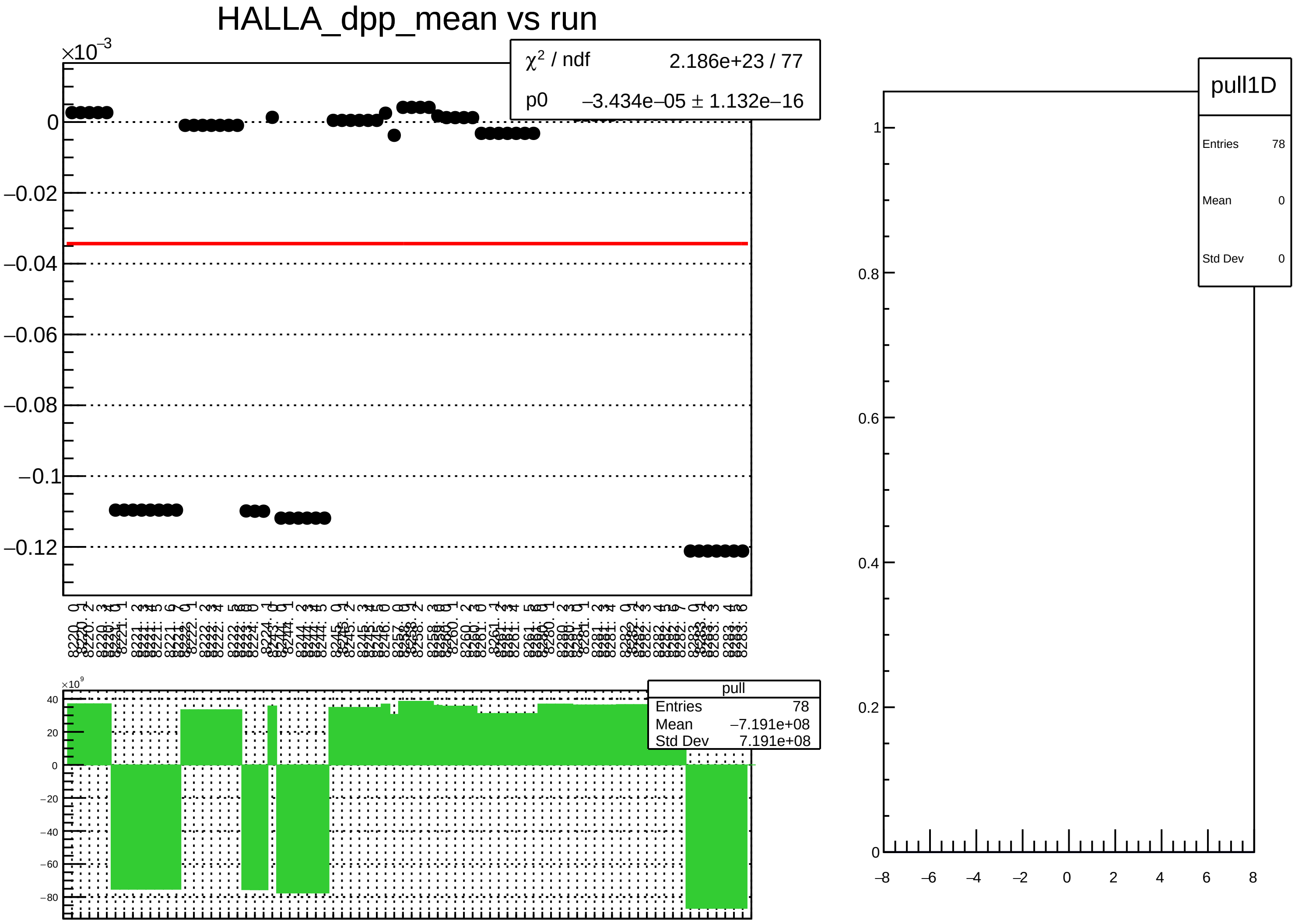

psub_pl_pos_mean vs run
χ^2 / ndf 1.032e+09 / 77
p0 1500 ± 1.132e−16
1501
1500.8
1500.6
1500.4
1500.2
1500
pull
Entries 78
Mean 39
Std Dev 22.51
3500
3000
2500
2000
1500
1000
500
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



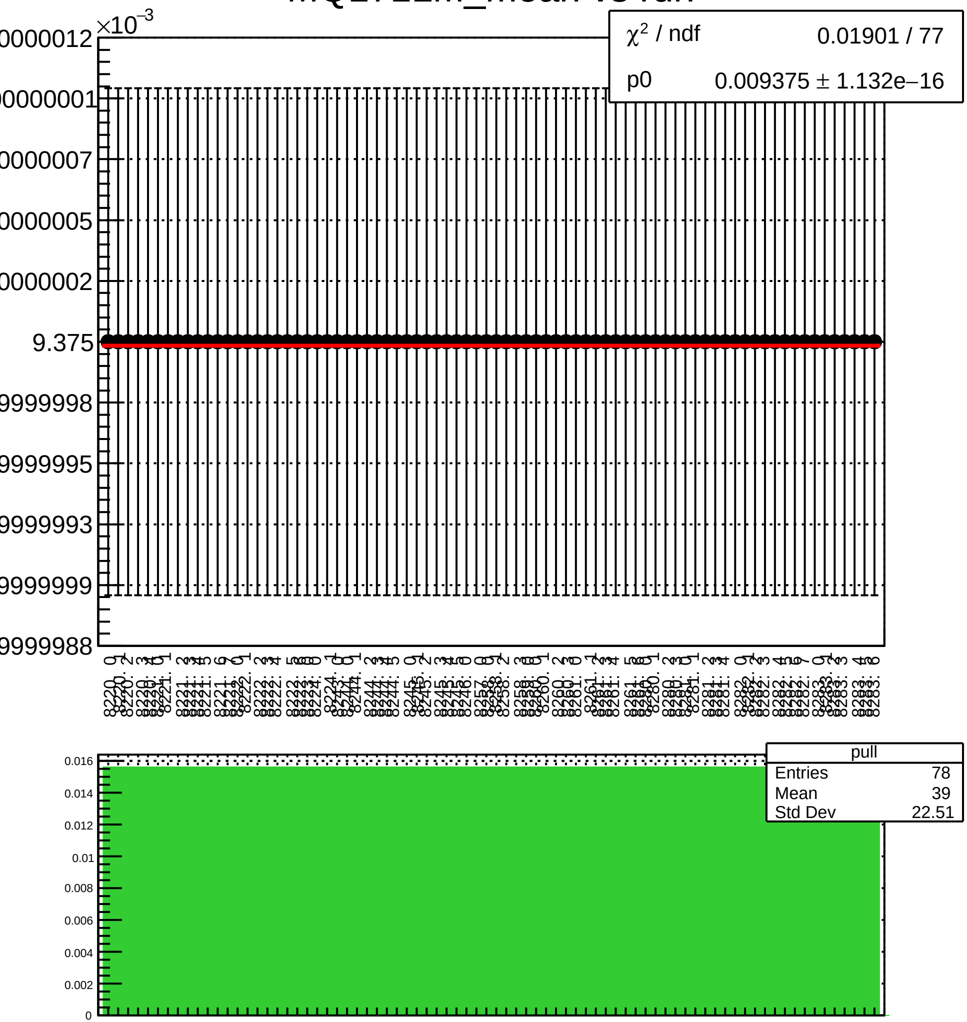
Phi_FG_mean vs run
χ^2 / ndf 1.276e+06 / 77
p0 89.96 ± 1.132e−16
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 0
Std Dev 0

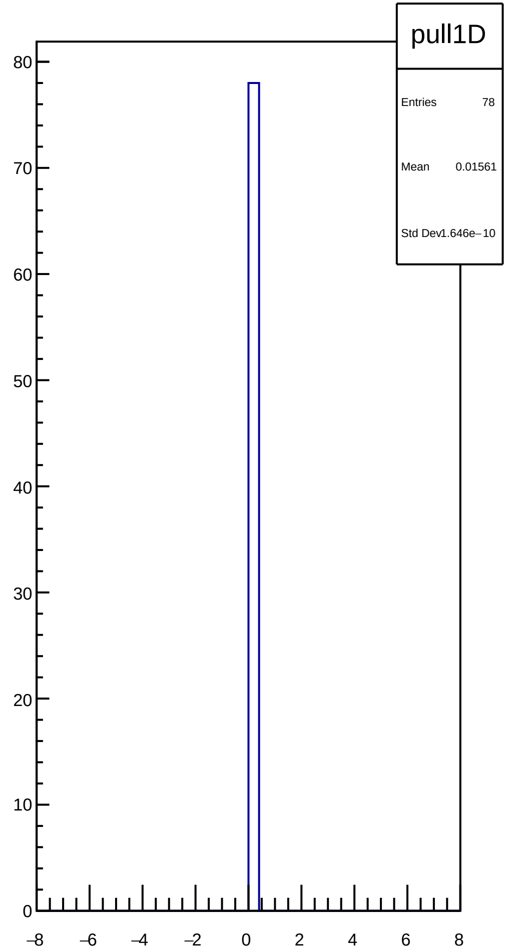


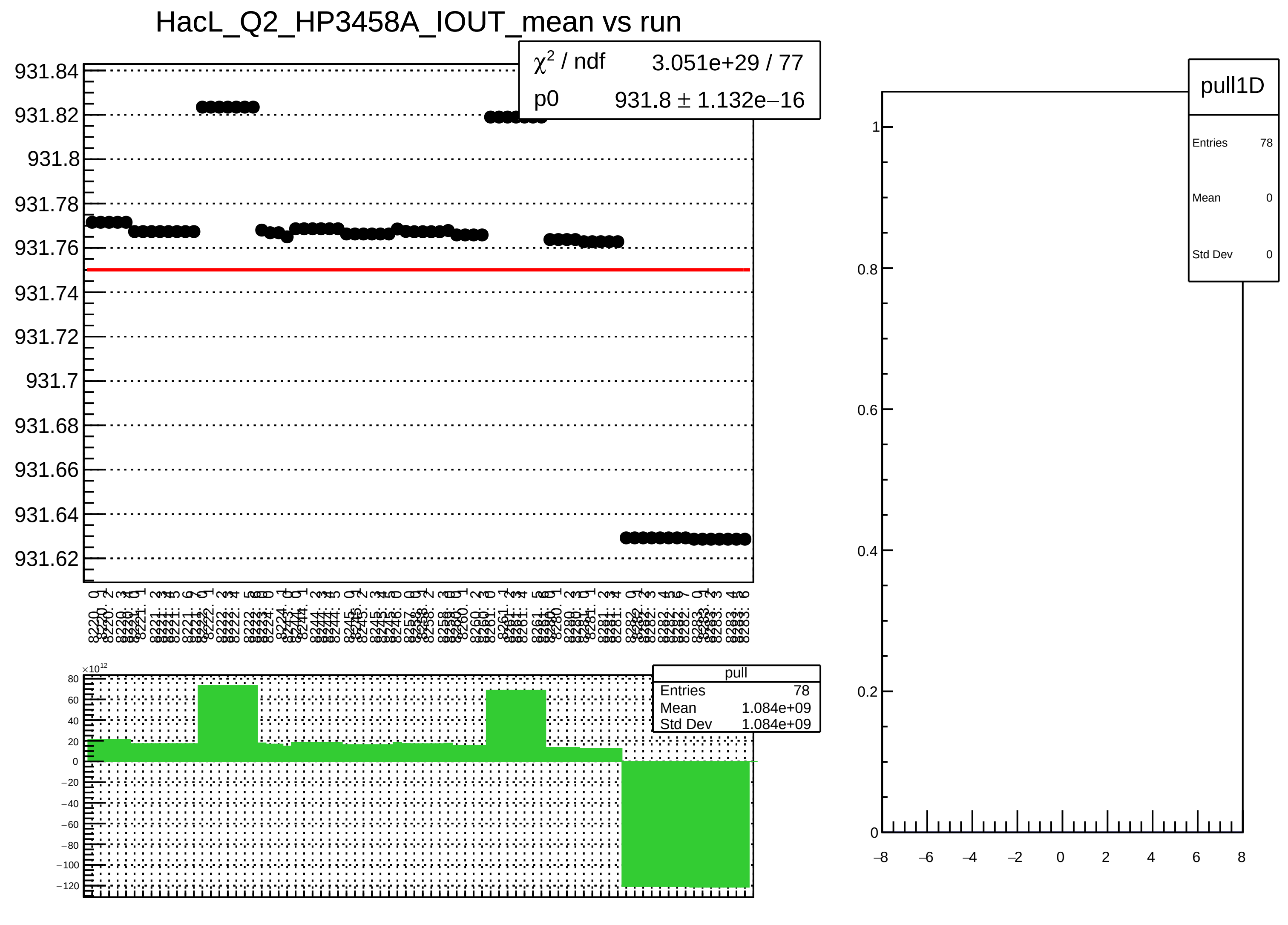
HALLA_p_mean vs run
χ² / ndf 2.243e+33 / 77
p0 2174 ± 1.132e−16
pull
Entries 78
Mean 1.094e+09
Std Dev 1.094e+09
pull1D
Entries 78
Mean 0
Std Dev 0


HALLA_dpp_mean vs run
$\times10^{-3}$
χ^2 / ndf 2.186e+23 / 77
p0 −3.434e−05 ± 1.132e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
$\times10^{9}$
40
20
0
−20
−40
−60
−80
pull
Entries 78
Mean −7.191e+08
Std Dev 7.191e+08
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

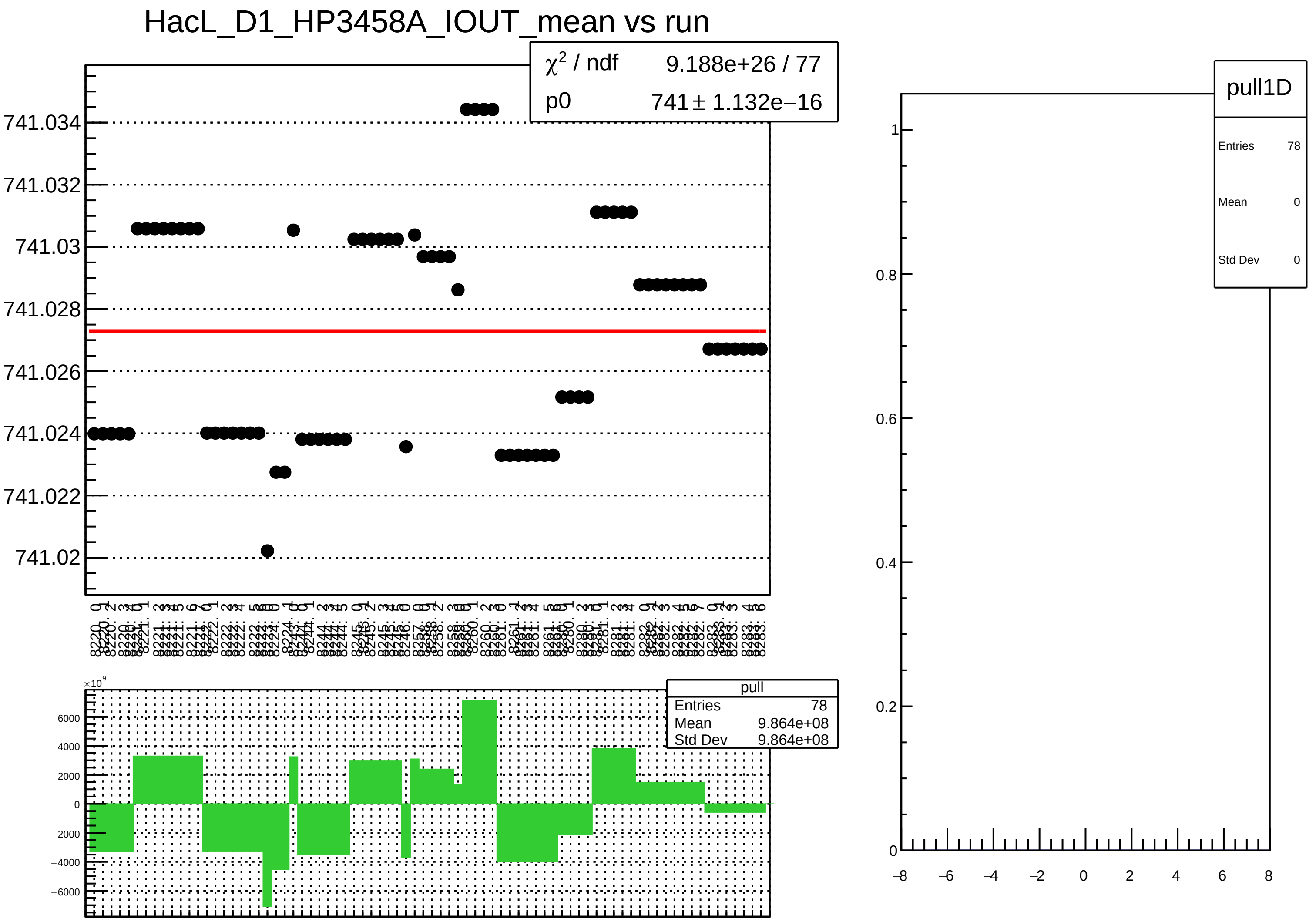
MQ171LM_mean vs run





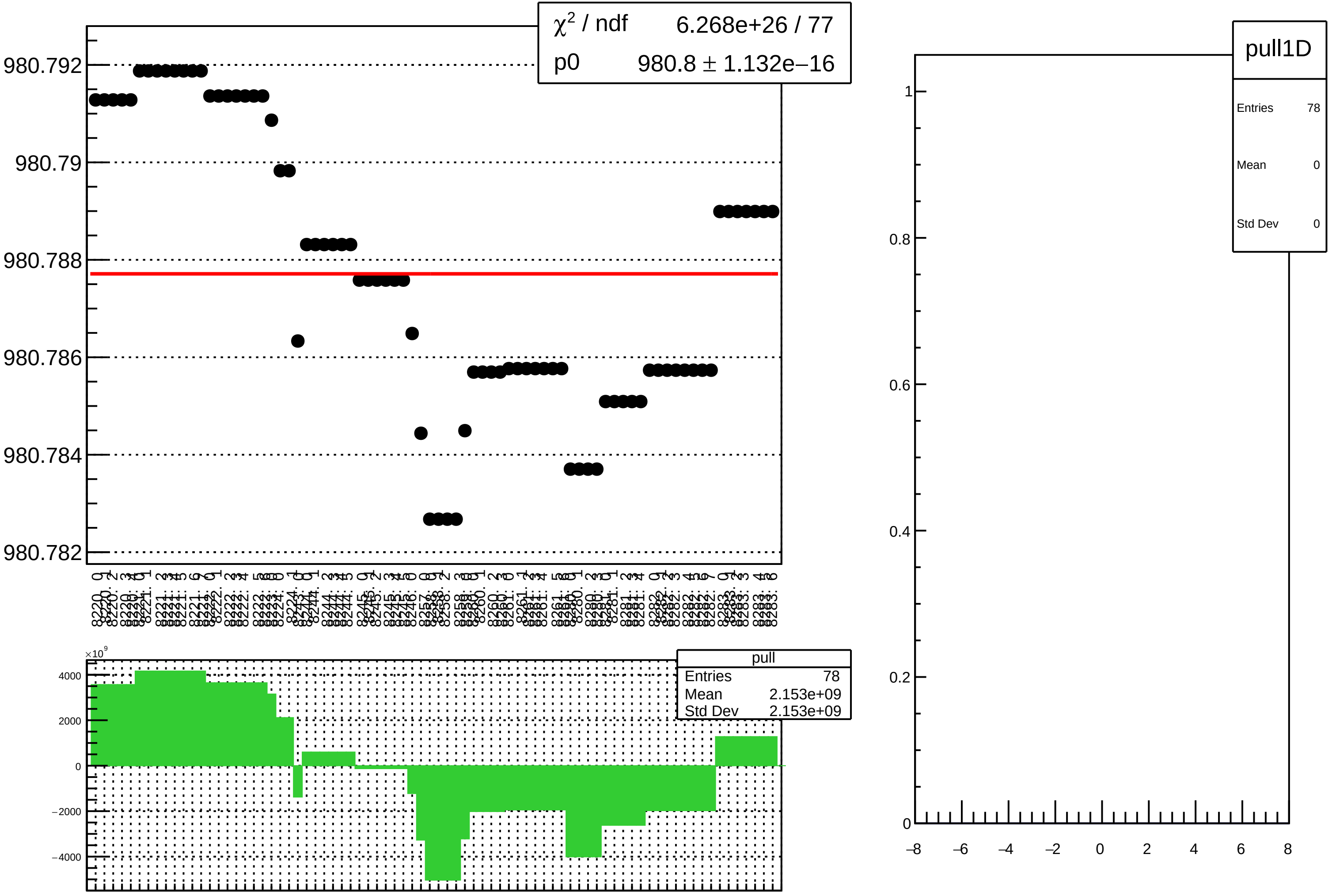


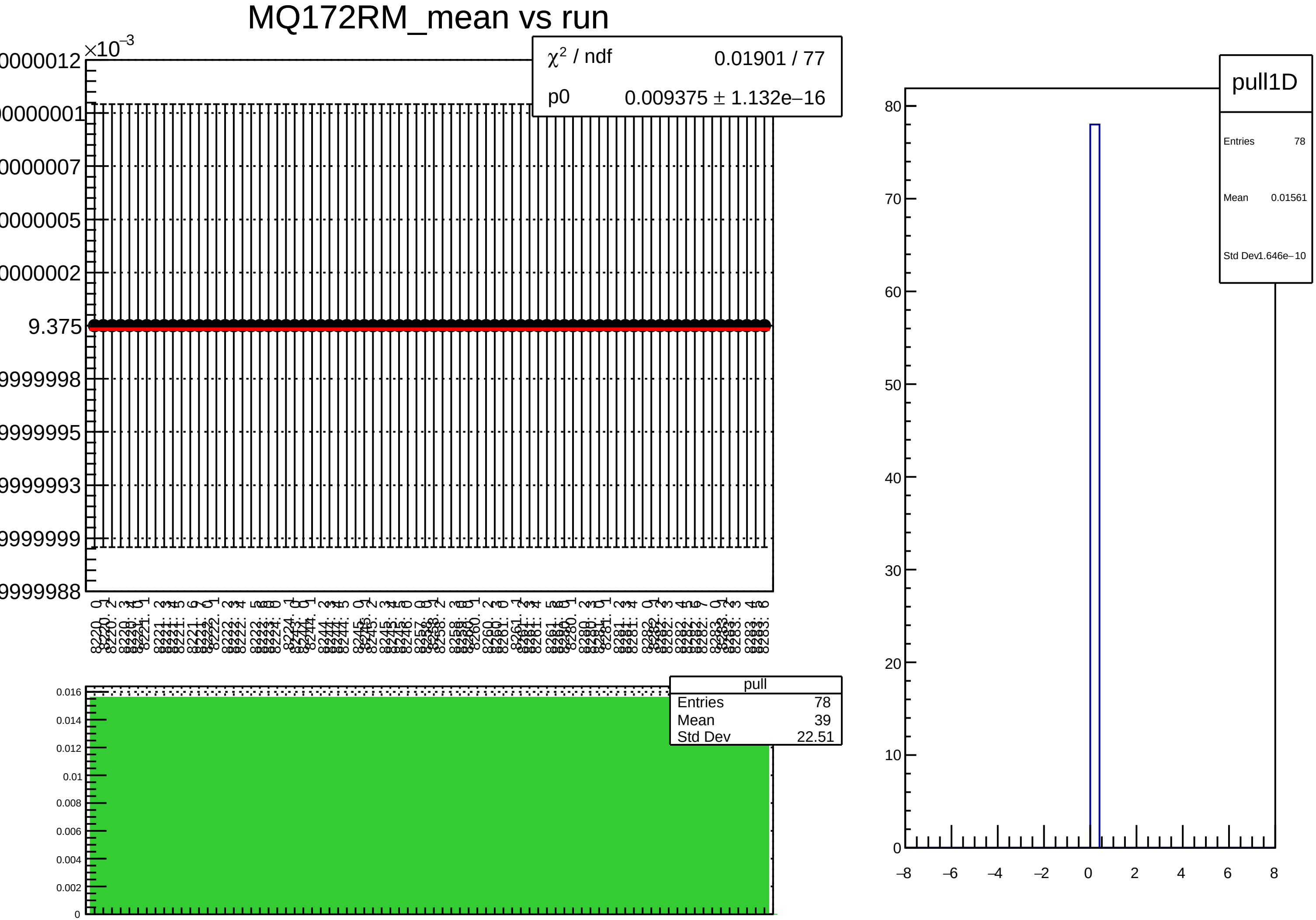
HacL_Q2_HP3458A_IOUT_mean vs run
χ2 / ndf 3.051e+29 / 77
p0 931.8 ± 1.132e−16
pull
Entries 78
Mean 1.084e+09
Std Dev 1.084e+09
pull1D
Entries 78
Mean 0
Std Dev 0

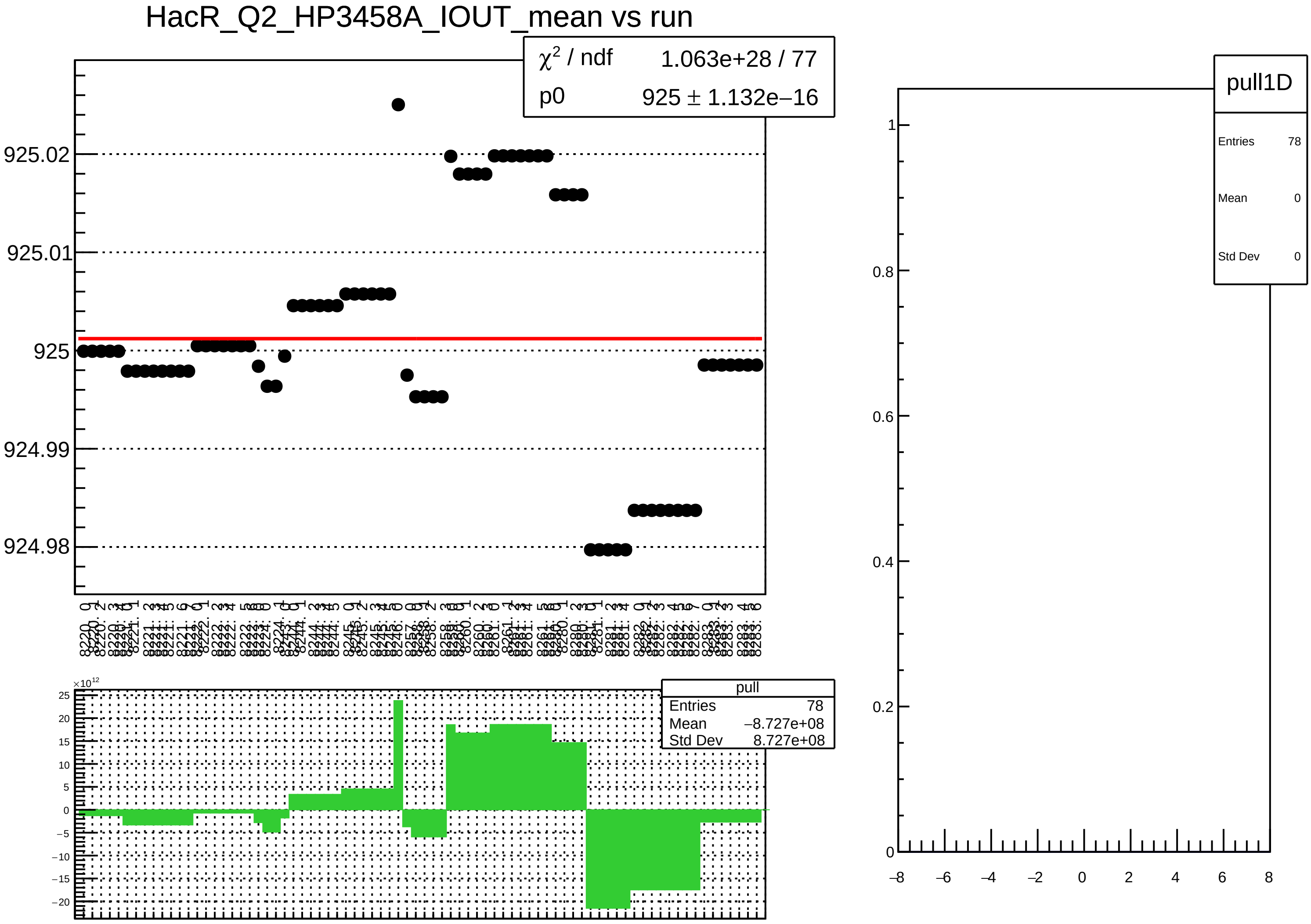


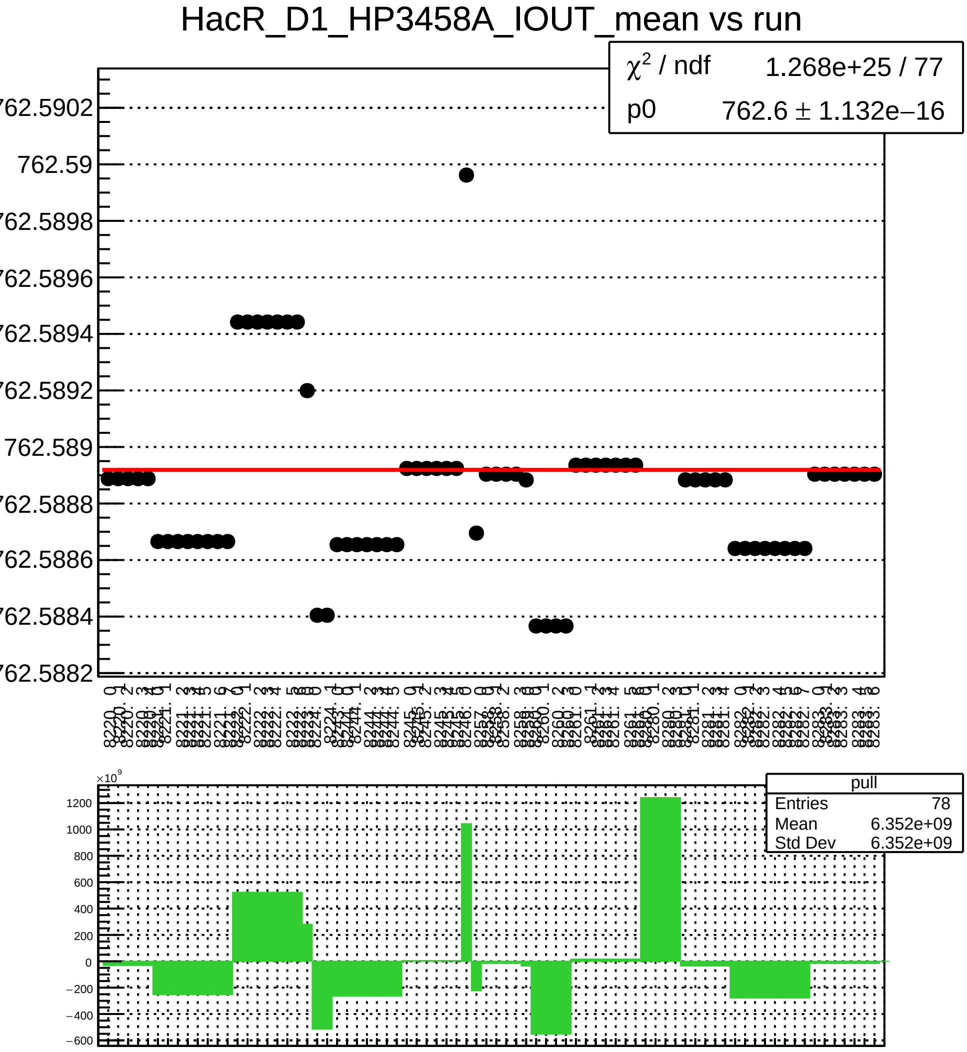
HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 9.188e+26 / 77
p0 741 ± 1.132e−16
pull
Entries 78
Mean 9.864e+08
Std Dev 9.864e+08
pull1D
Entries 78
Mean 0
Std Dev 0

HacL_Q3_HP3458A_IOUT_mean vs run

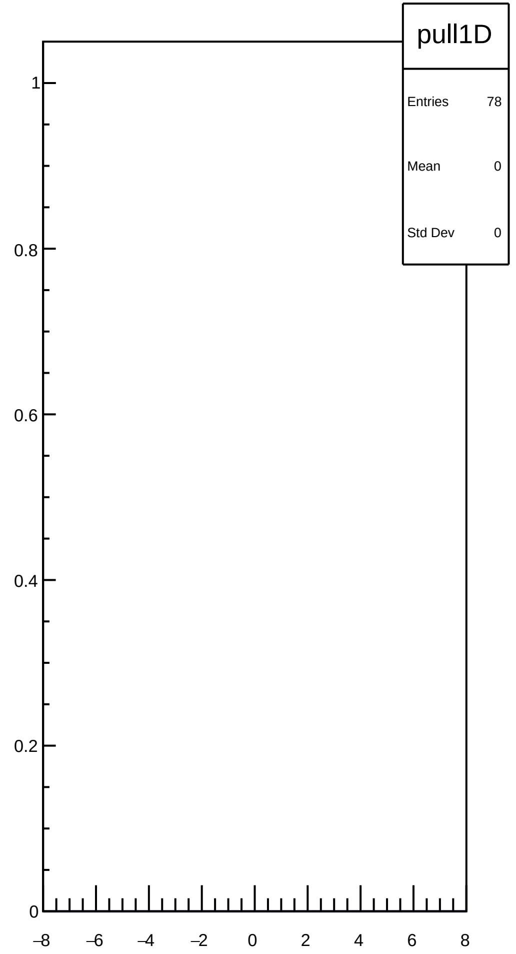



MQ172RM_mean vs run
χ2 / ndf 0.01901 / 77
p0 0.009375 ± 1.132e−16
9.375
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 0.01561
Std Dev1.646e−10

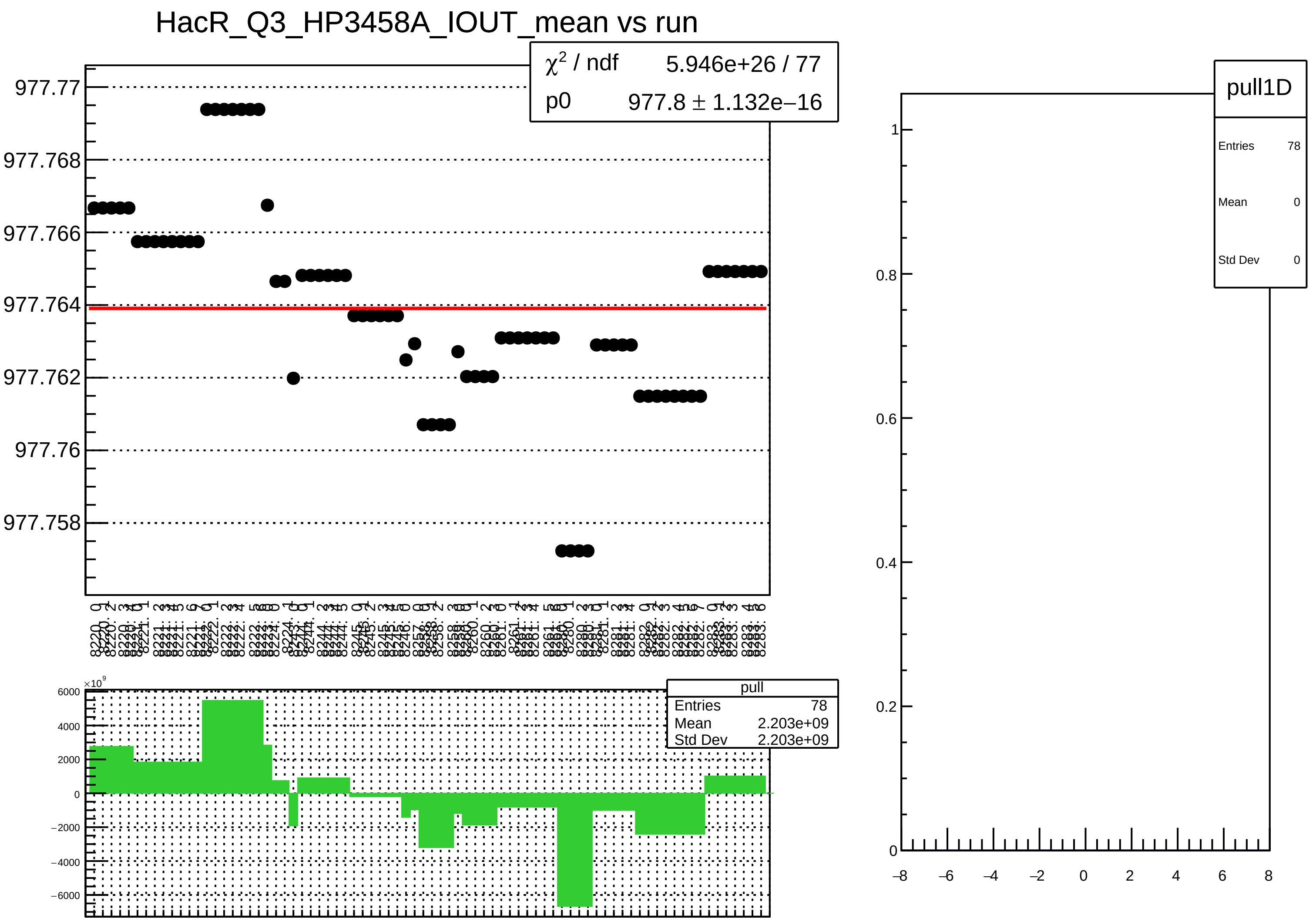

HacR_Q2_HP3458A_IOUT_mean vs run
χ^2 / ndf 1.063e+28 / 77
p0 925 ± 1.132e−16
pull
Entries 78
Mean −8.727e+08
Std Dev 8.727e+08
pull1D
Entries 78
Mean 0
Std Dev 0



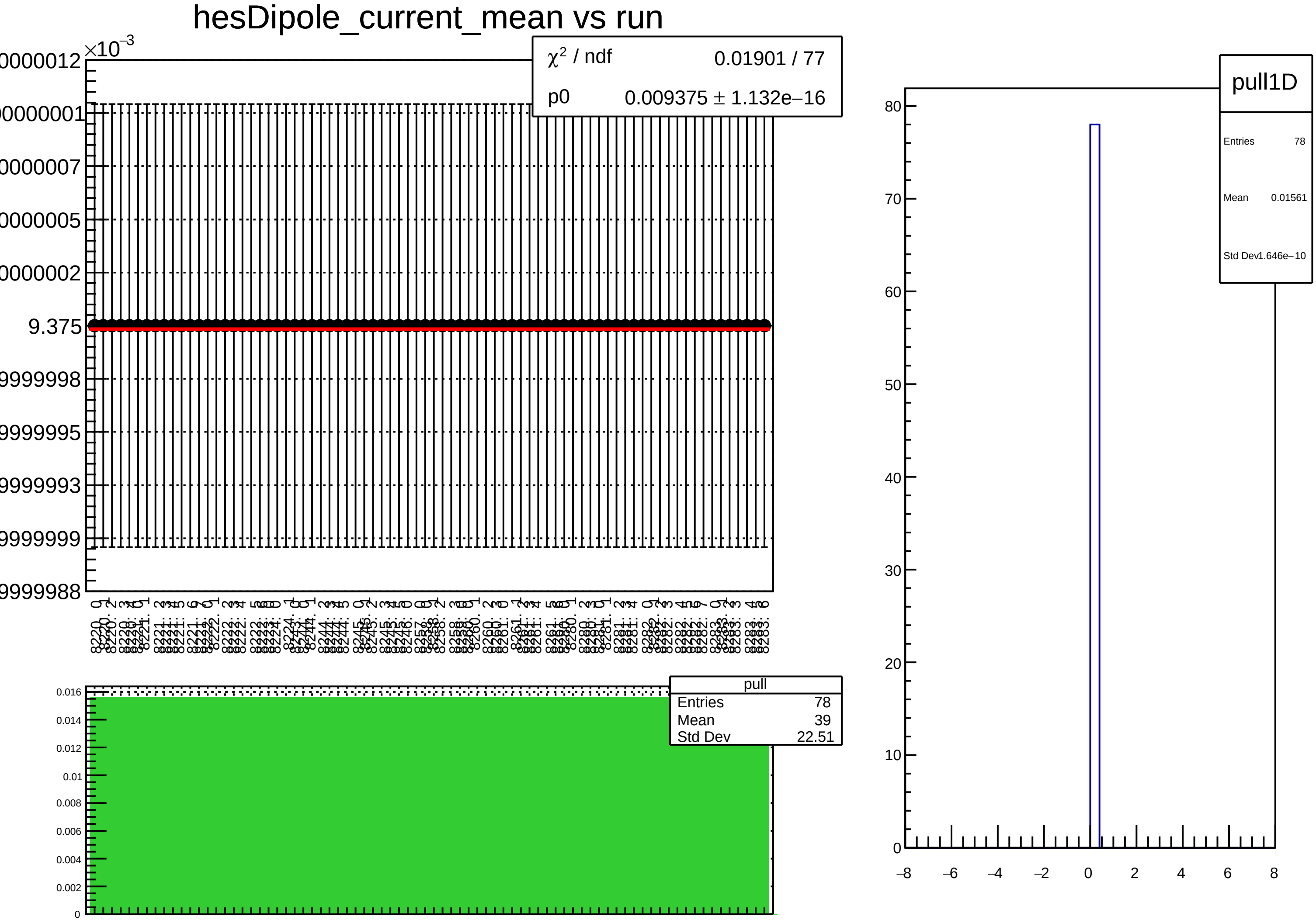
HacR_D1_HP3458A_IOUT_mean vs run
χ2 / ndf 1.268e+25 / 77
p0 762.6 ± 1.132e−16
pull
Entries 78
Mean 6.352e+09
Std Dev 6.352e+09



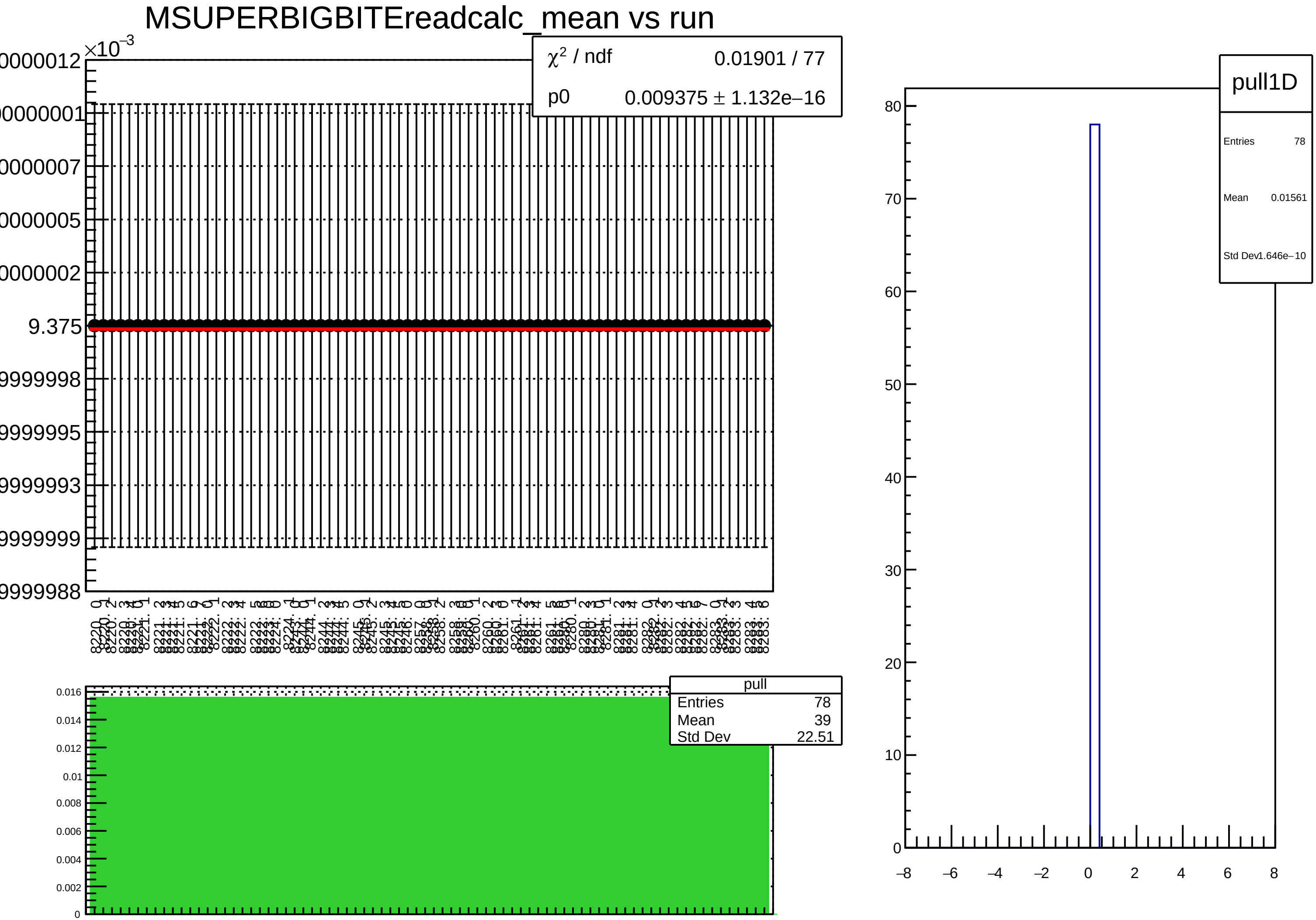
pull1D
Entries 78
Mean 0
Std Dev 0



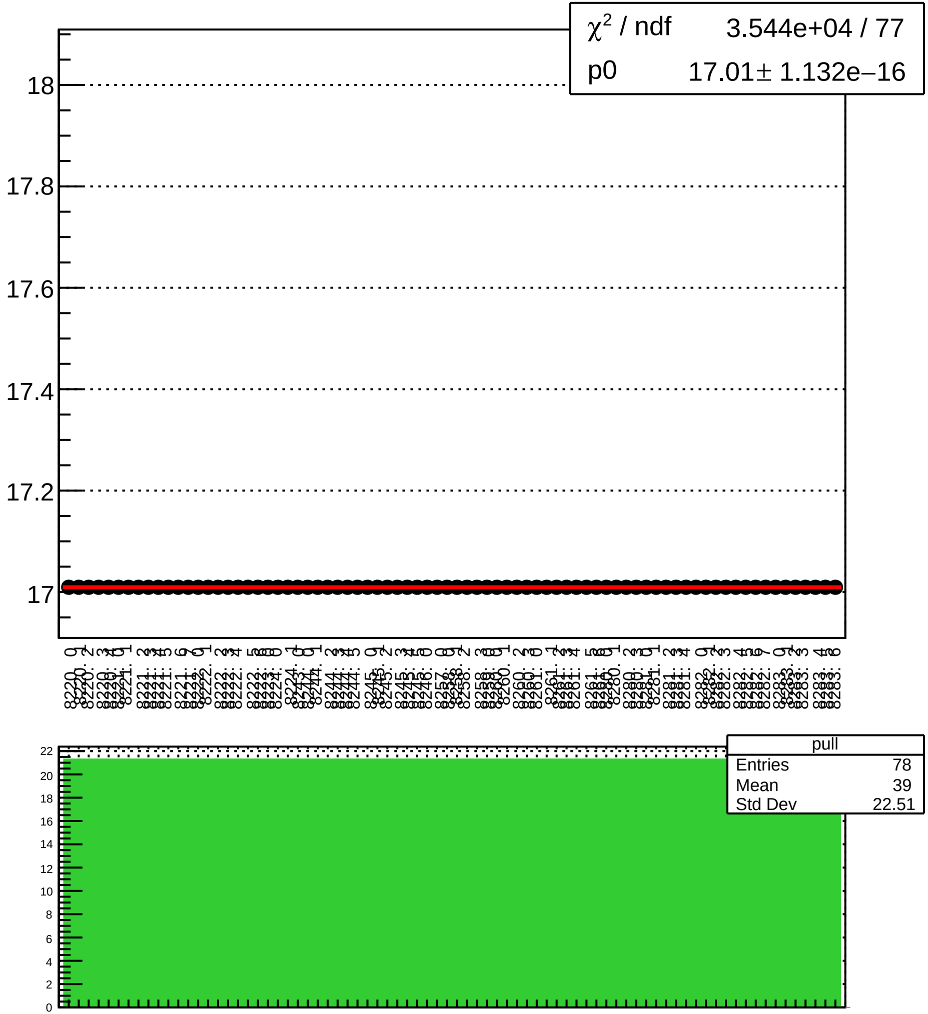
HacR_Q3_HP3458A_IOUT_mean vs run
χ^2 / ndf 5.946e+26 / 77
p0 977.8 ± 1.132e−16
977.77
977.768
977.766
977.764
977.762
977.76
977.758
pull
Entries 78
Mean 2.203e+09
Std Dev 2.203e+09
×10^9
6000
4000
2000
0
−2000
−4000
−6000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

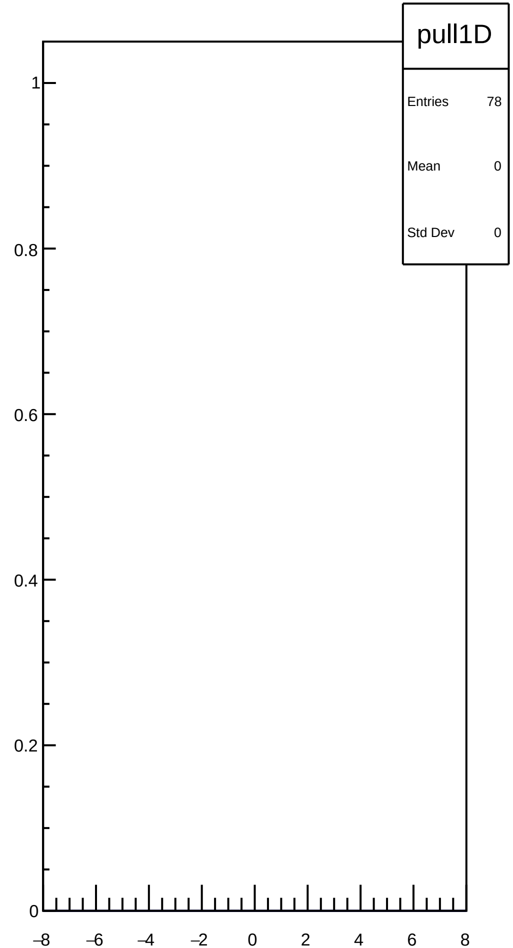


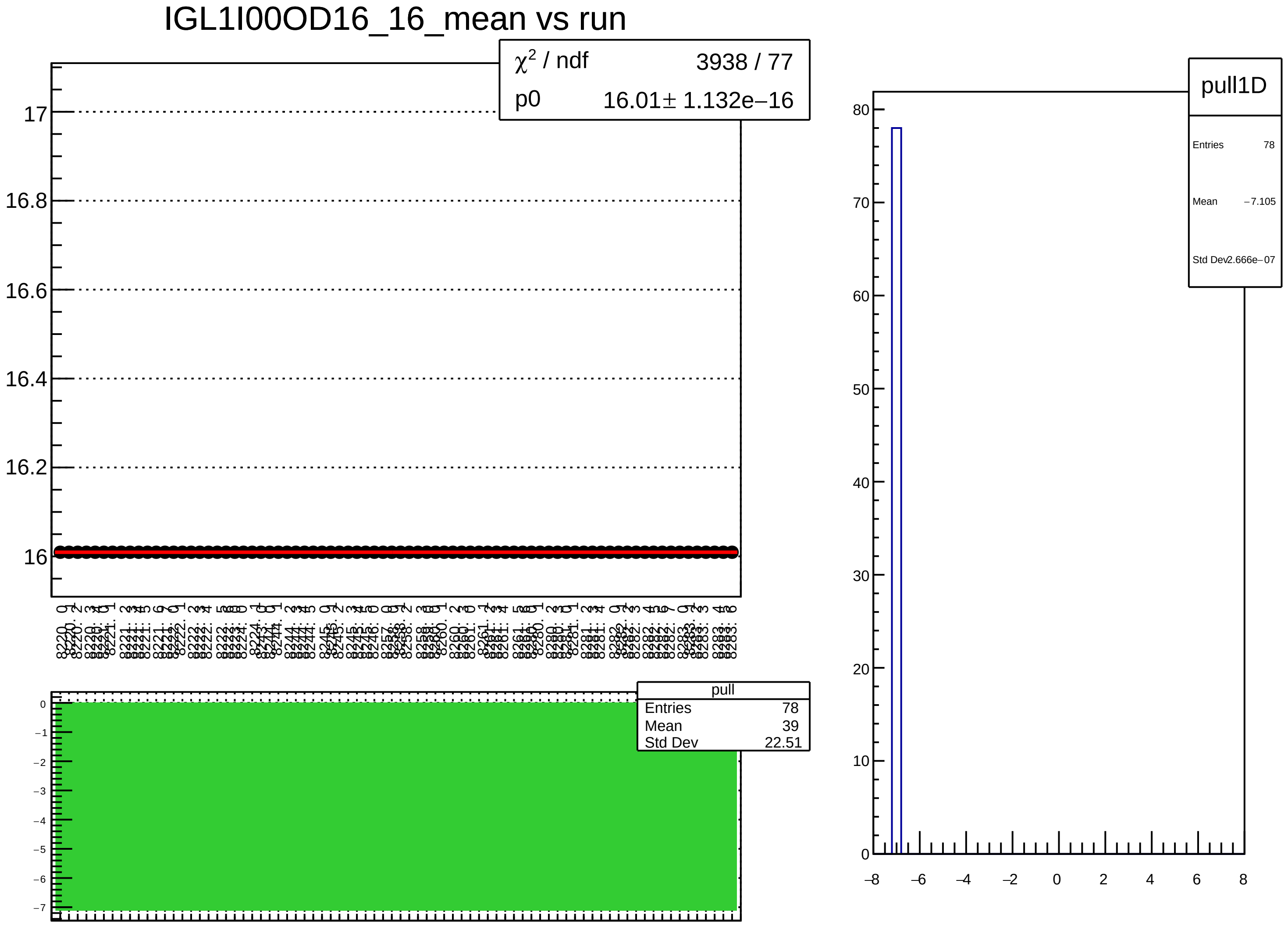
hesDipole_current_mean vs run
χ^2 / ndf 0.01901 / 77
p0 0.009375 ± 1.132e−16
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 0.01561
Std Dev1.646e−10


MSUPERBIGBITEreadcalc_mean vs run
χ2 / ndf 0.01901 / 77
p0 0.009375 ± 1.132e−16
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 0.01561
Std Dev1.646e−10

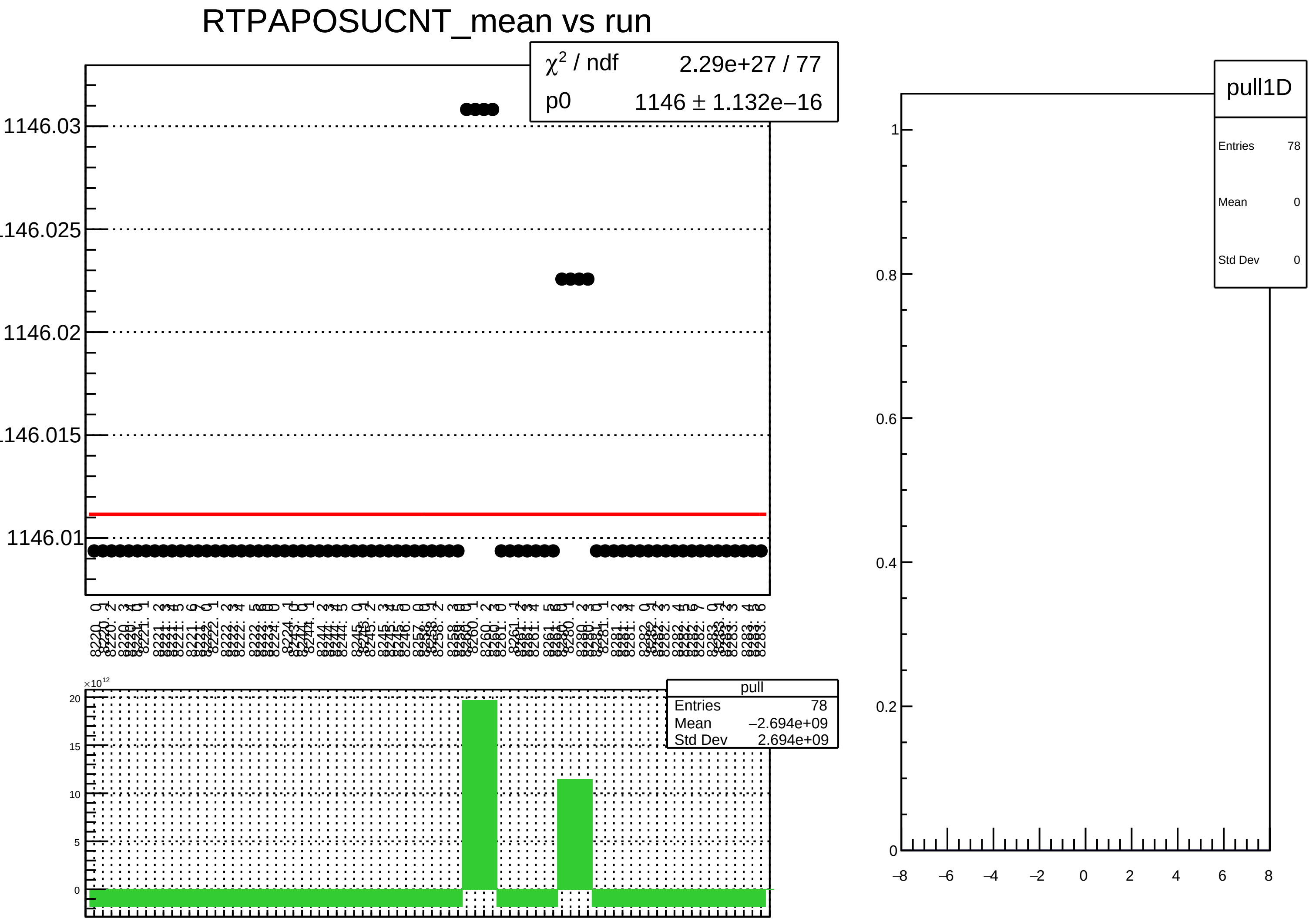
IGL1I00DI24_24M_mean vs run



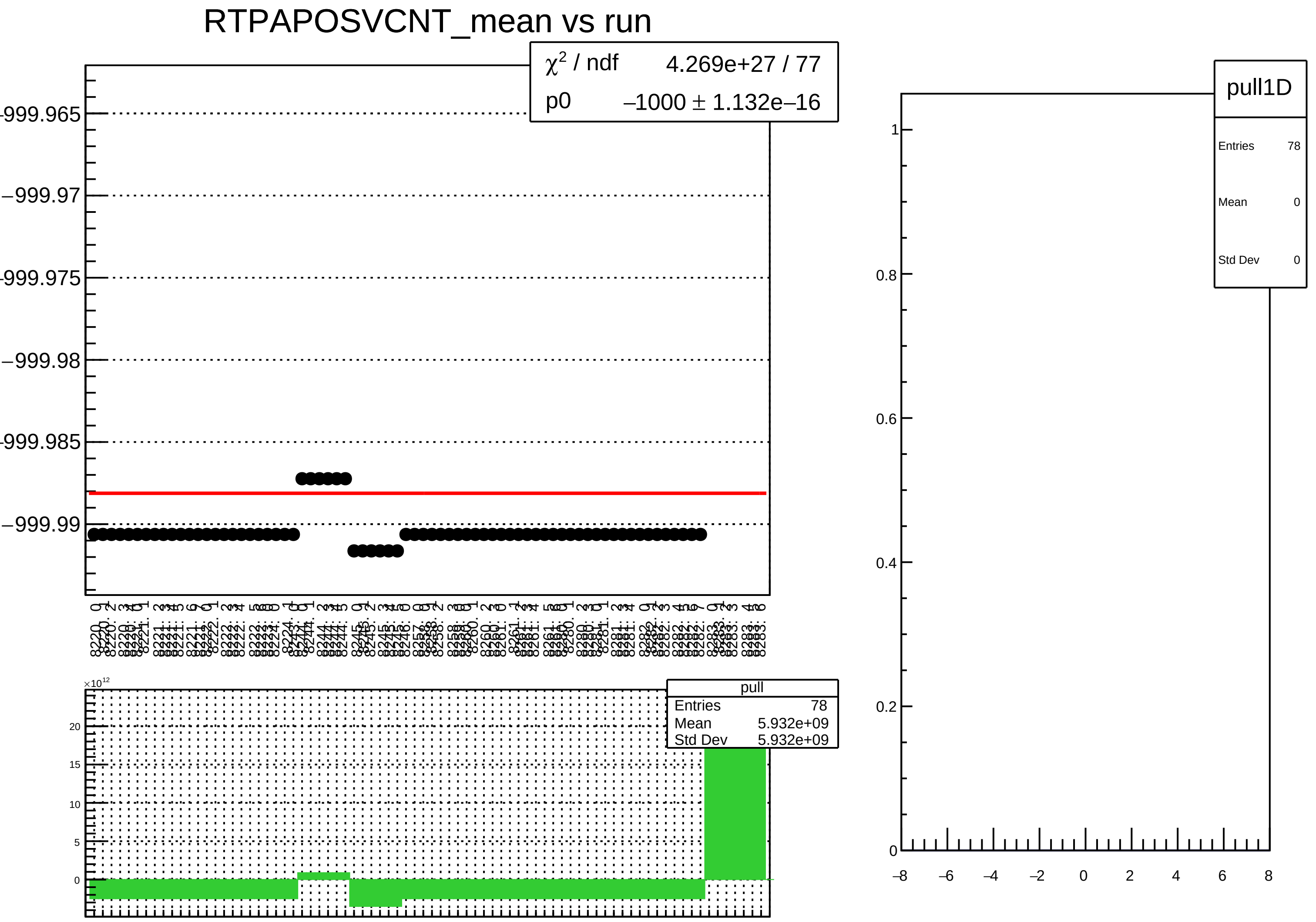




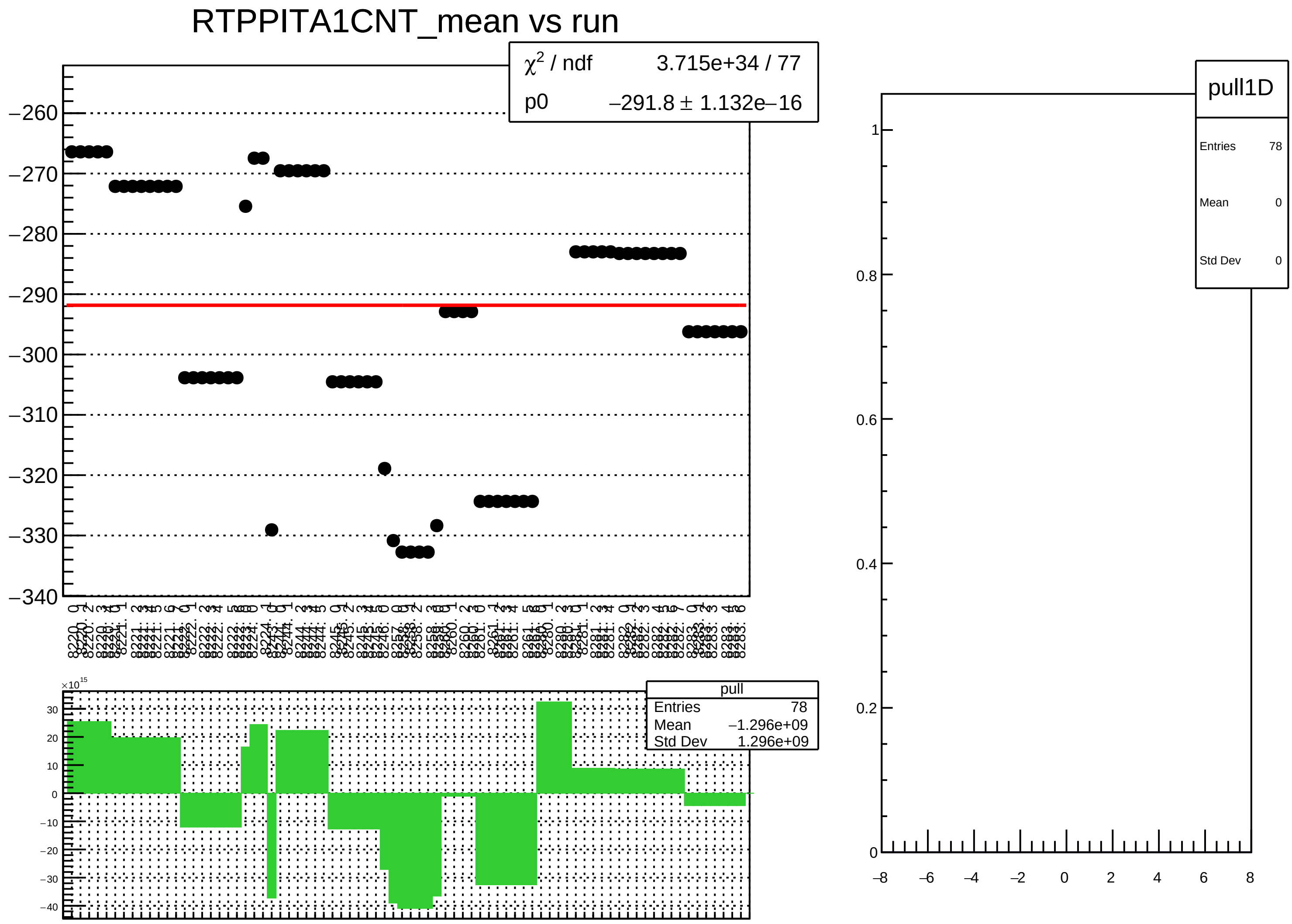
IGL1I00OD16_16_mean vs run
χ^2 / ndf 3938 / 77
p0 16.01± 1.132e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 78
Mean 39
Std Dev 22.51
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 78
Mean −7.105
Std Dev 2.666e−07
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



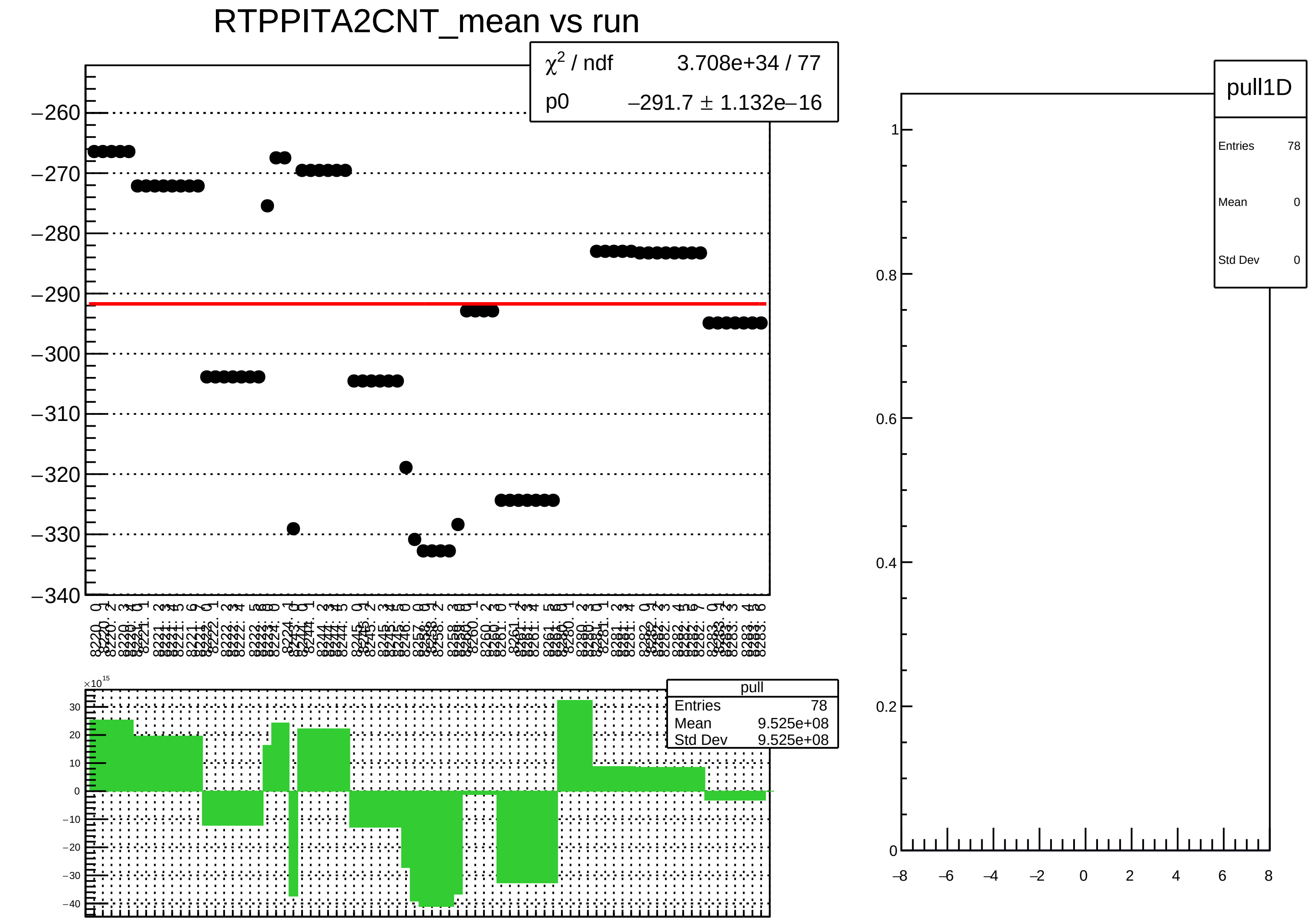
RTPAPOSUCNT_mean vs run
χ^2 / ndf 2.29e+27 / 77
p0 1146 ± 1.132e−16
pull
Entries 78
Mean −2.694e+09
Std Dev 2.694e+09
pull1D
Entries 78
Mean 0
Std Dev 0



RTPAPOSVCNT_mean vs run
χ2 / ndf 4.269e+27 / 77
p0 −1000 ± 1.132e−16
−999.965
−999.97
−999.975
−999.98
−999.985
−999.99
×10^12
pull
Entries 78
Mean 5.932e+09
Std Dev 5.932e+09
20
15
10
5
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



RTPPITA1CNT_mean vs run
χ^2 / ndf 3.715e+34 / 77
p0 −291.8 ± 1.132e−16
pull
Entries 78
Mean −1.296e+09
Std Dev 1.296e+09
pull1D
Entries 78
Mean 0
Std Dev 0



RTPPITA2CNT_mean vs run
χ^2 / ndf 3.708e+34 / 77
p0 −291.7 ± 1.132e−16
pull
Entries 78
Mean 9.525e+08
Std Dev 9.525e+08
pull1D
Entries 78
Mean 0
Std Dev 0