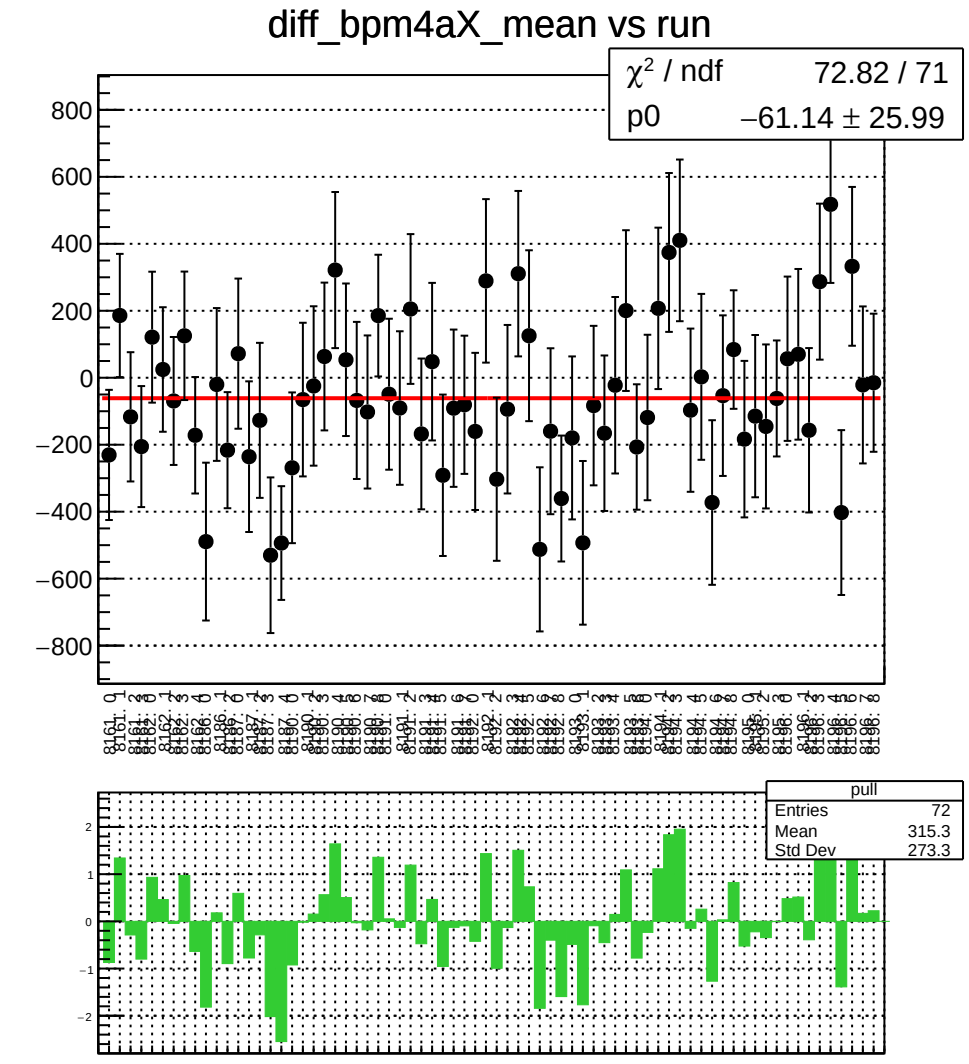
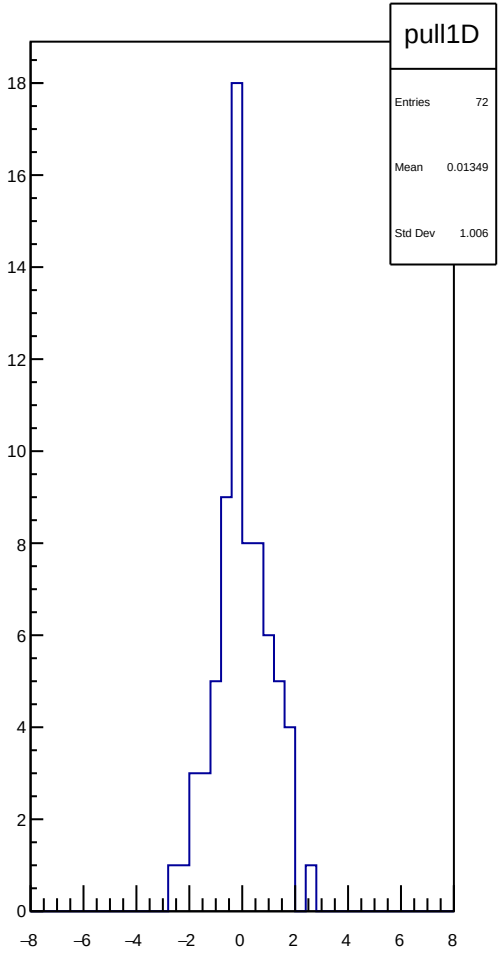
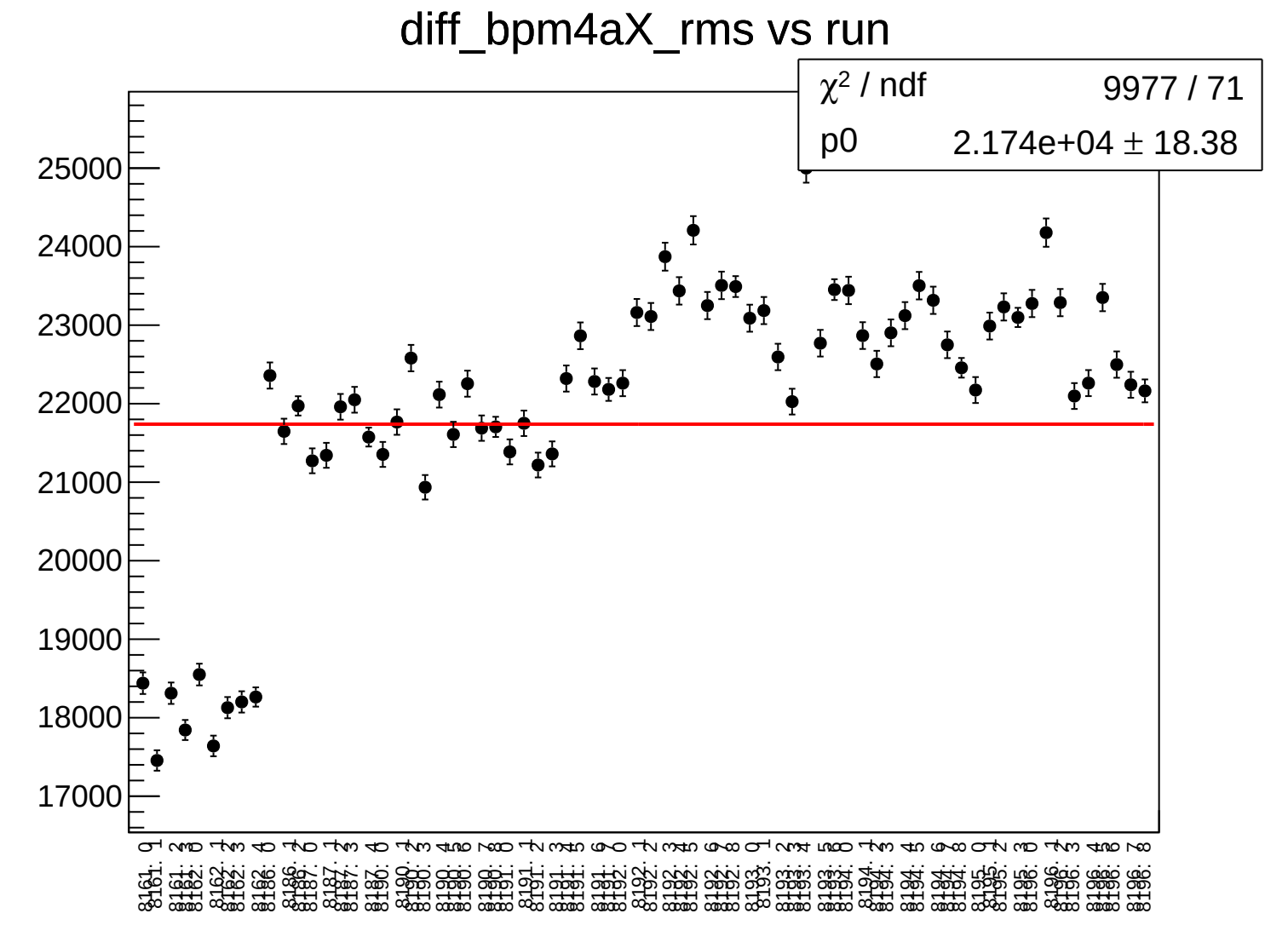
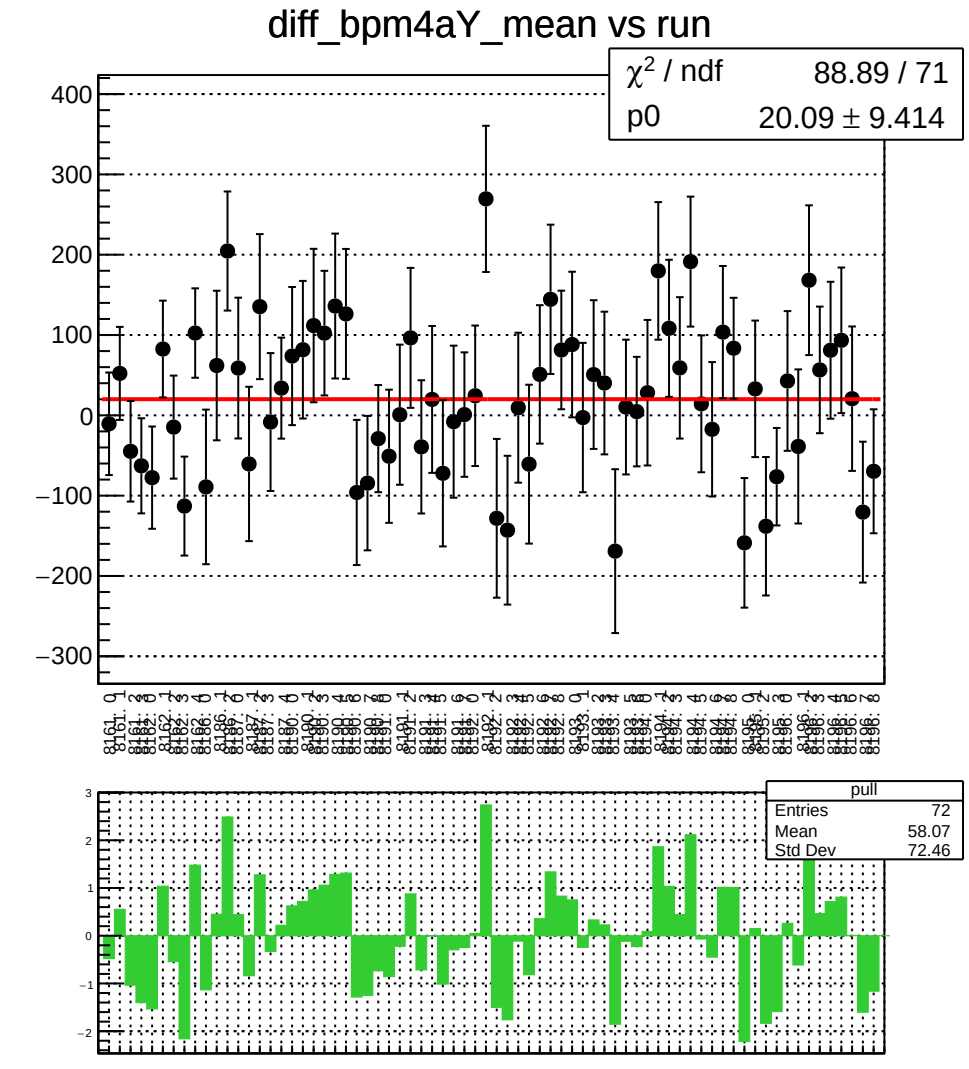
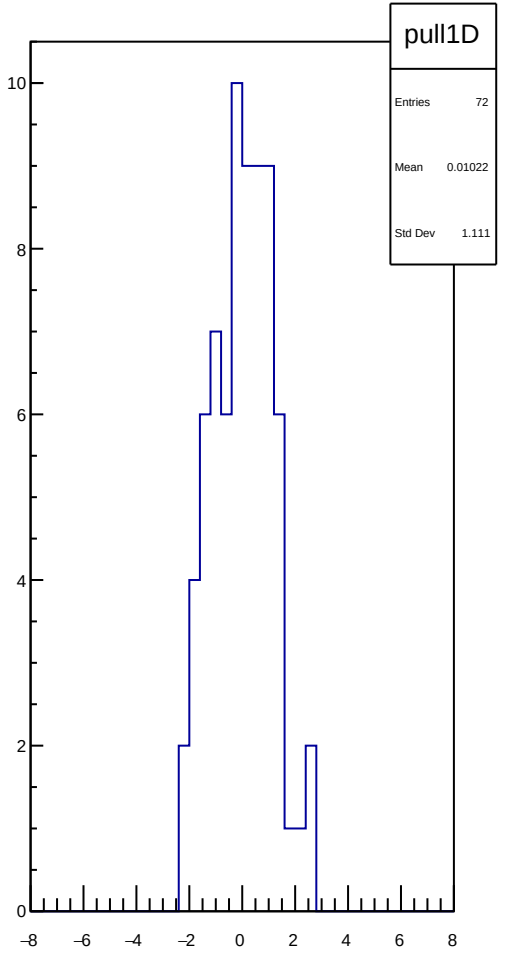
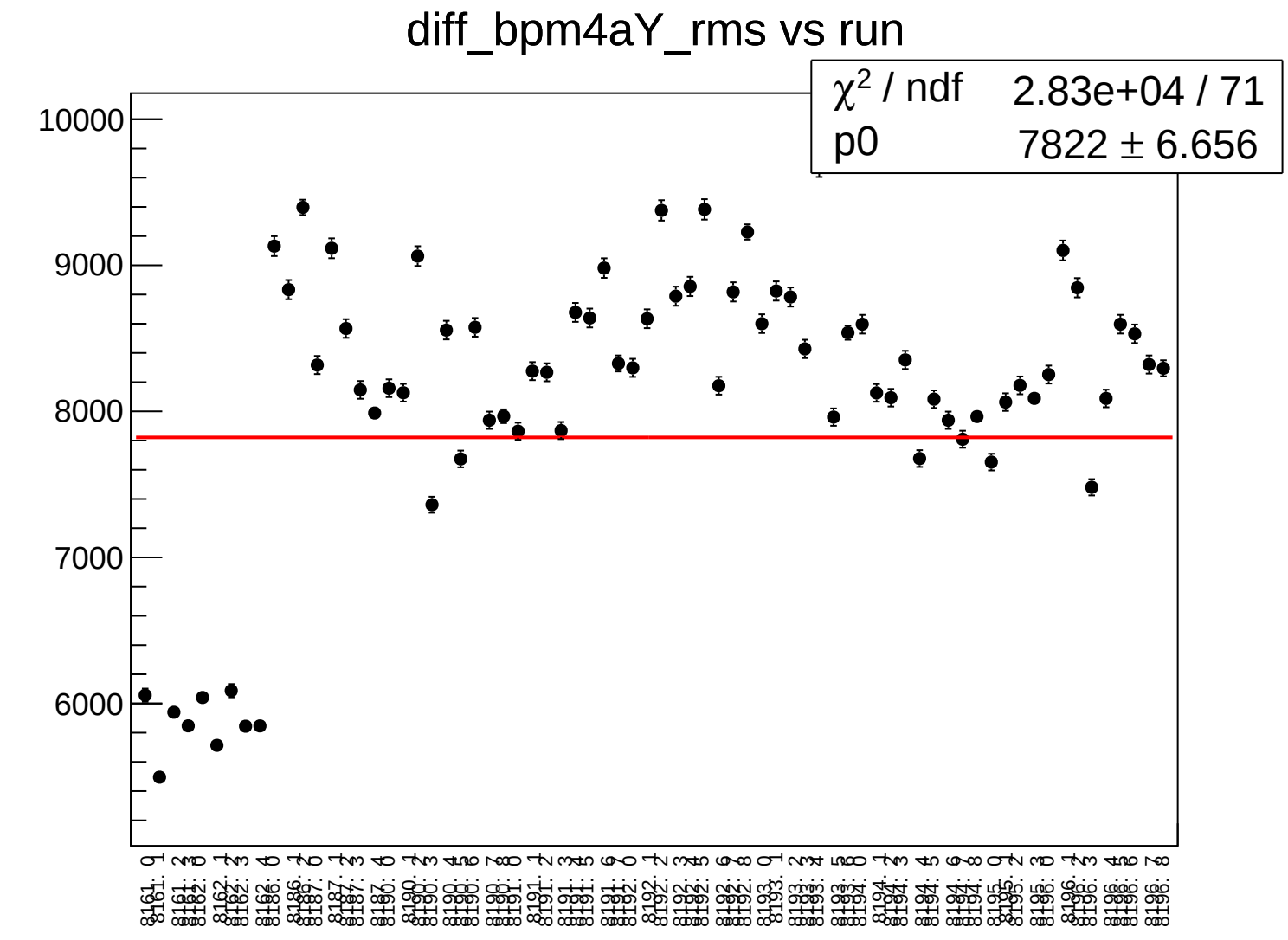

diff_bpm4aX_mean vs run
χ² / ndf 72.82 / 71
p0 −61.14 ± 25.99
pull
Entries 72
Mean 315.3
Std Dev 273.3

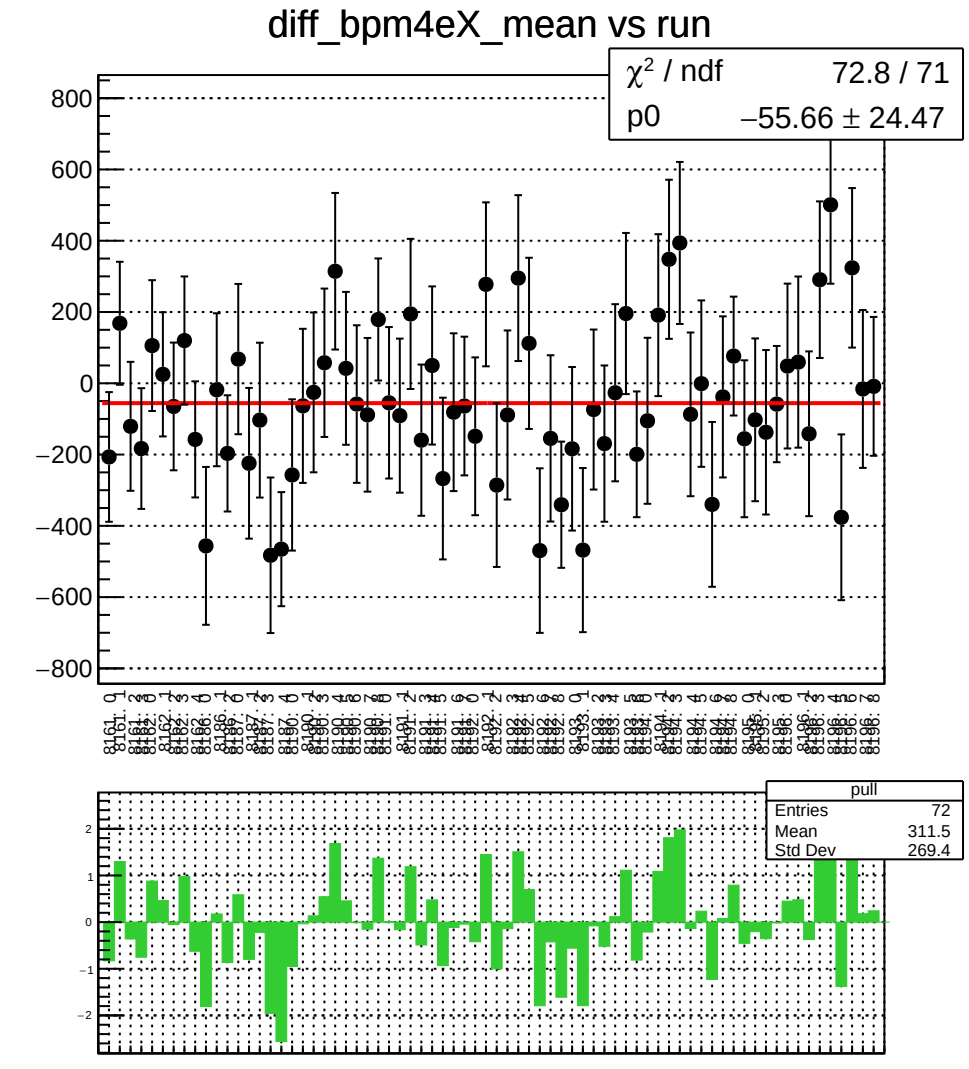

pull1D
Entries 72
Mean 0.01349
Std Dev 1.006

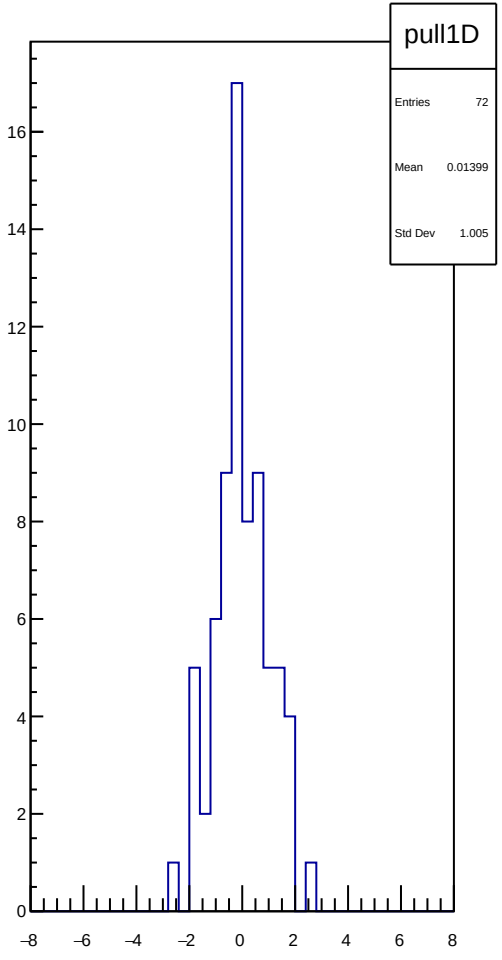

diff_bpm4aX_rms vs run
χ² / ndf 9977 / 71
p0 2.174e+04 ± 18.38
25000
24000
23000
22000
21000
20000
19000
18000
17000

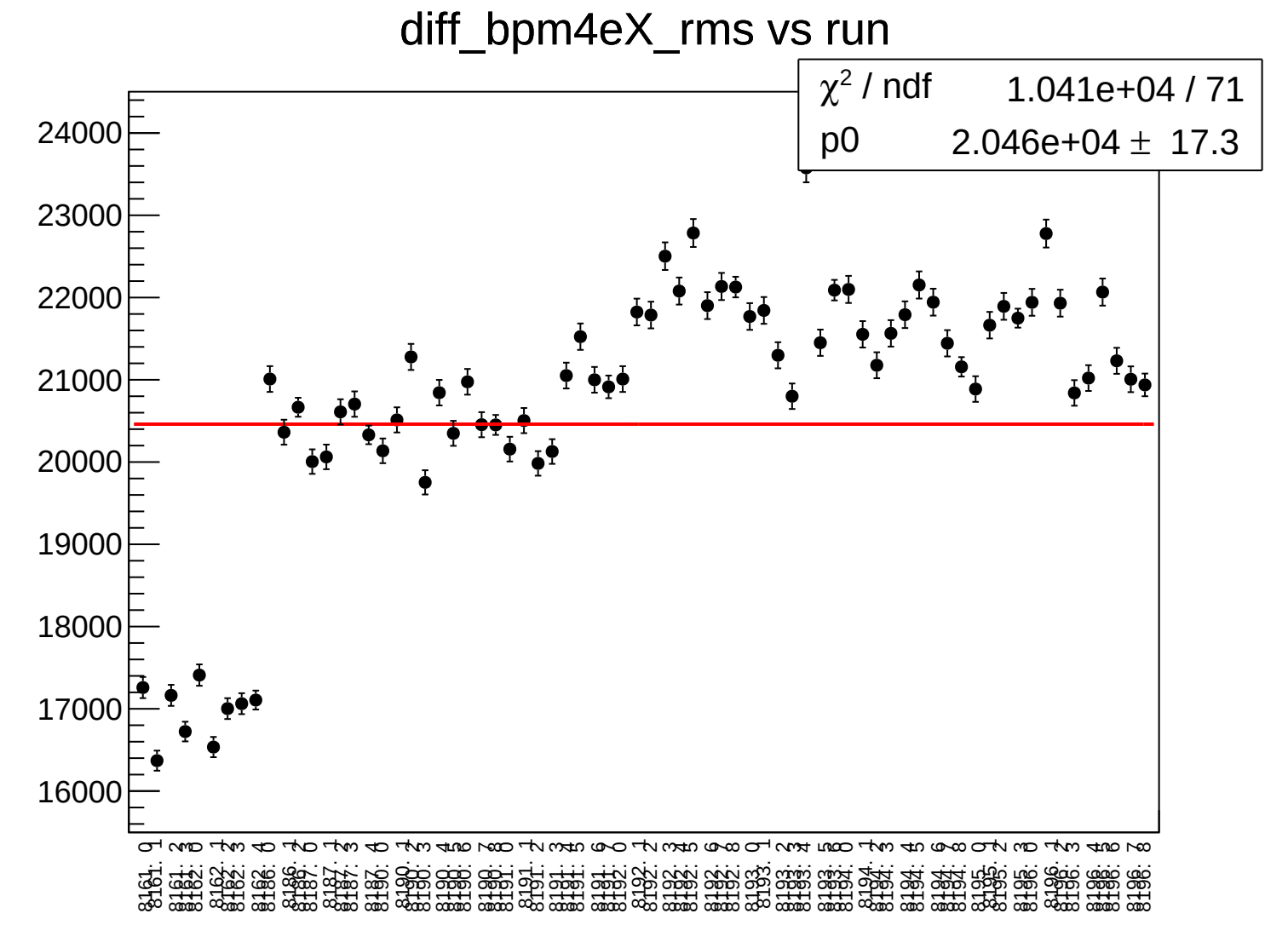

diff_bpm4aY_mean vs run
χ² / ndf 88.89 / 71
p0 20.09 ± 9.414
pull
Entries 72
Mean 58.07
Std Dev 72.46

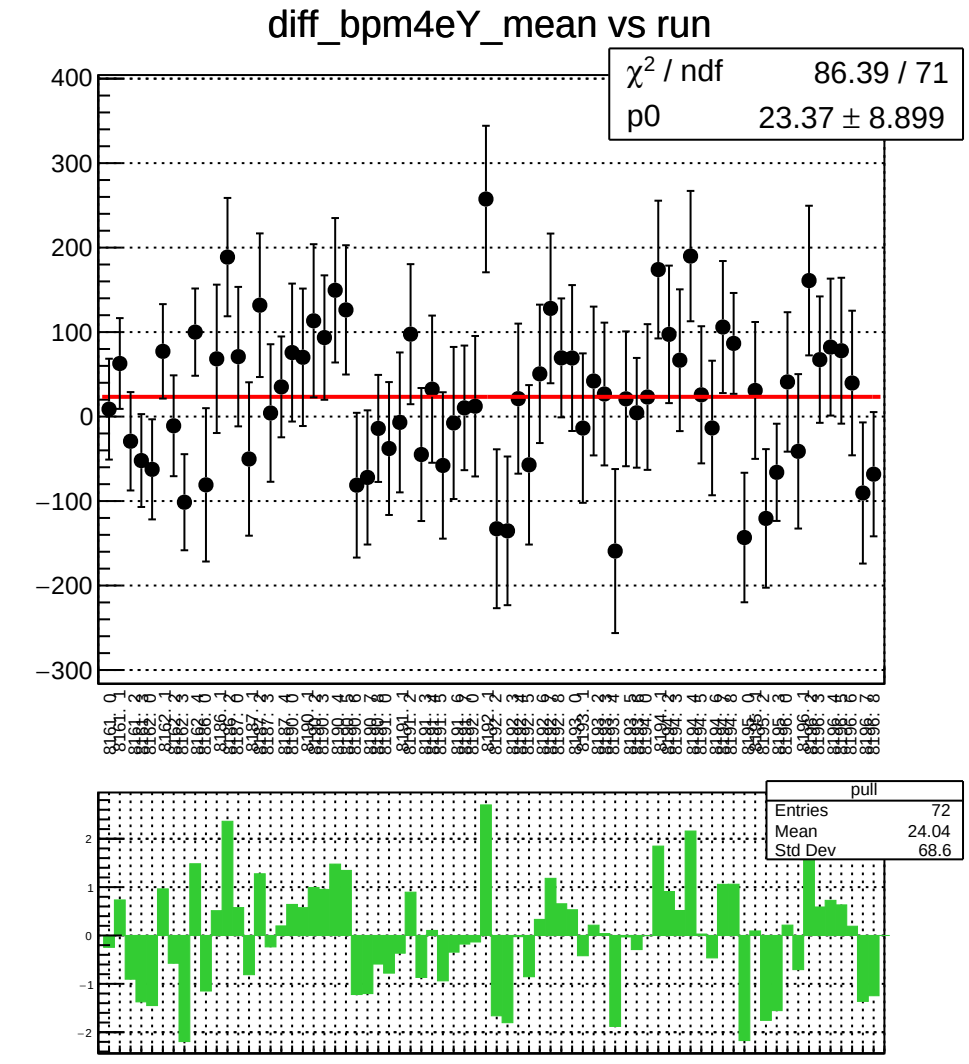

pull1D
Entries 72
Mean 0.01022
Std Dev 1.111

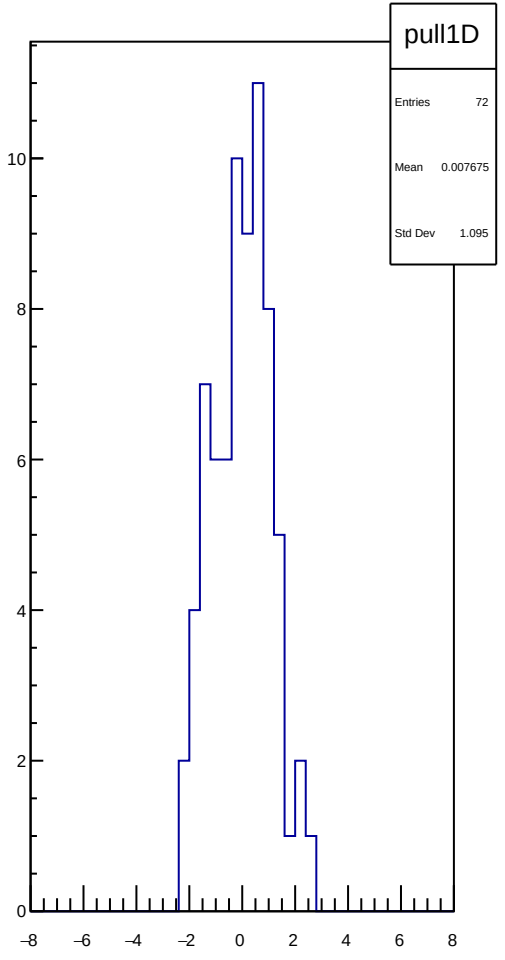

diff_bpm4aY_rms vs run
χ² / ndf 2.83e+04 / 71
p0 7822 ± 6.656
10000
9000
8000
7000
6000

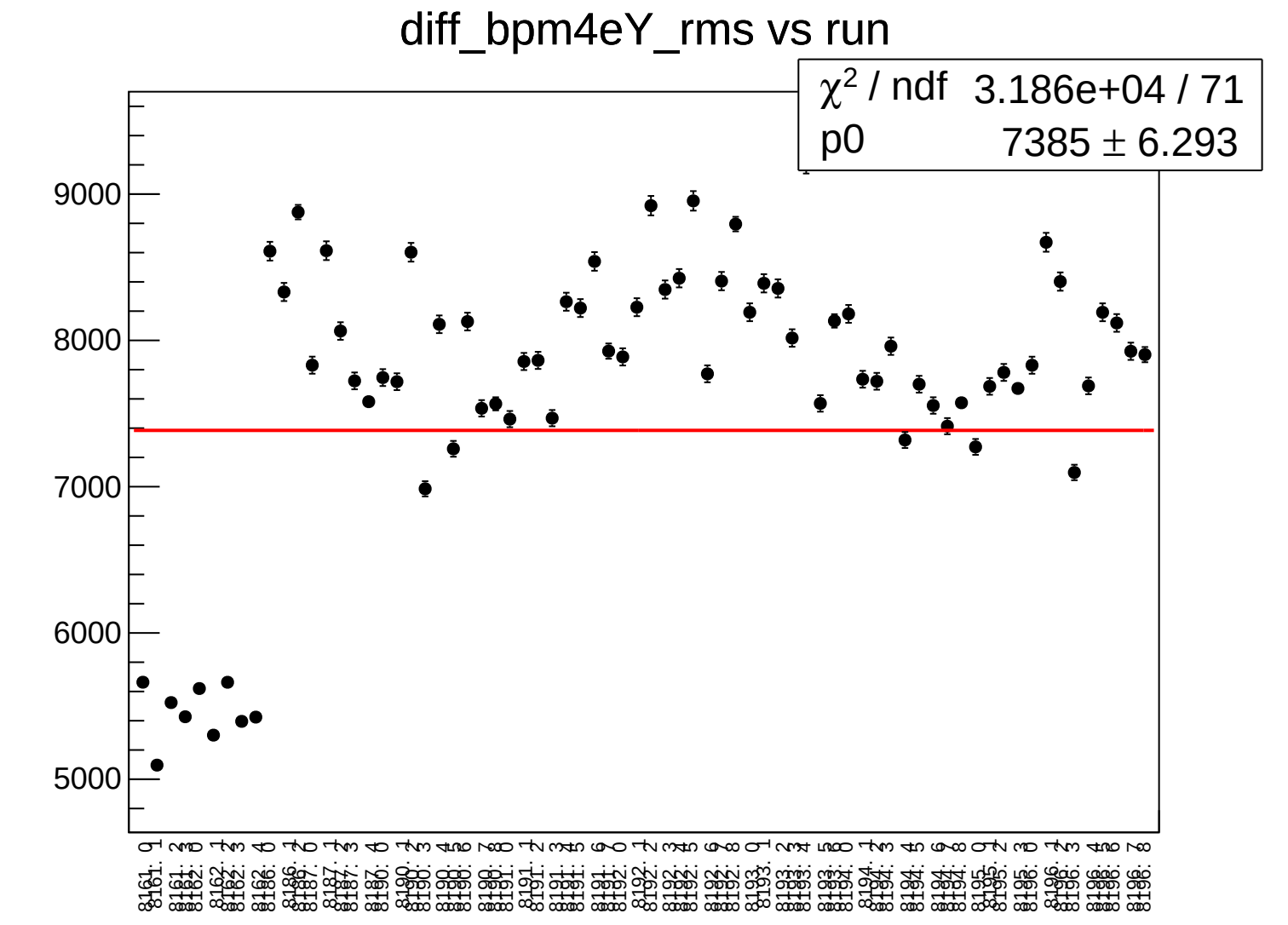

diff_bpm4eX_mean vs run
χ² / ndf 72.8 / 71
p0 −55.66 ± 24.47
pull
Entries 72
Mean 311.5
Std Dev 269.4

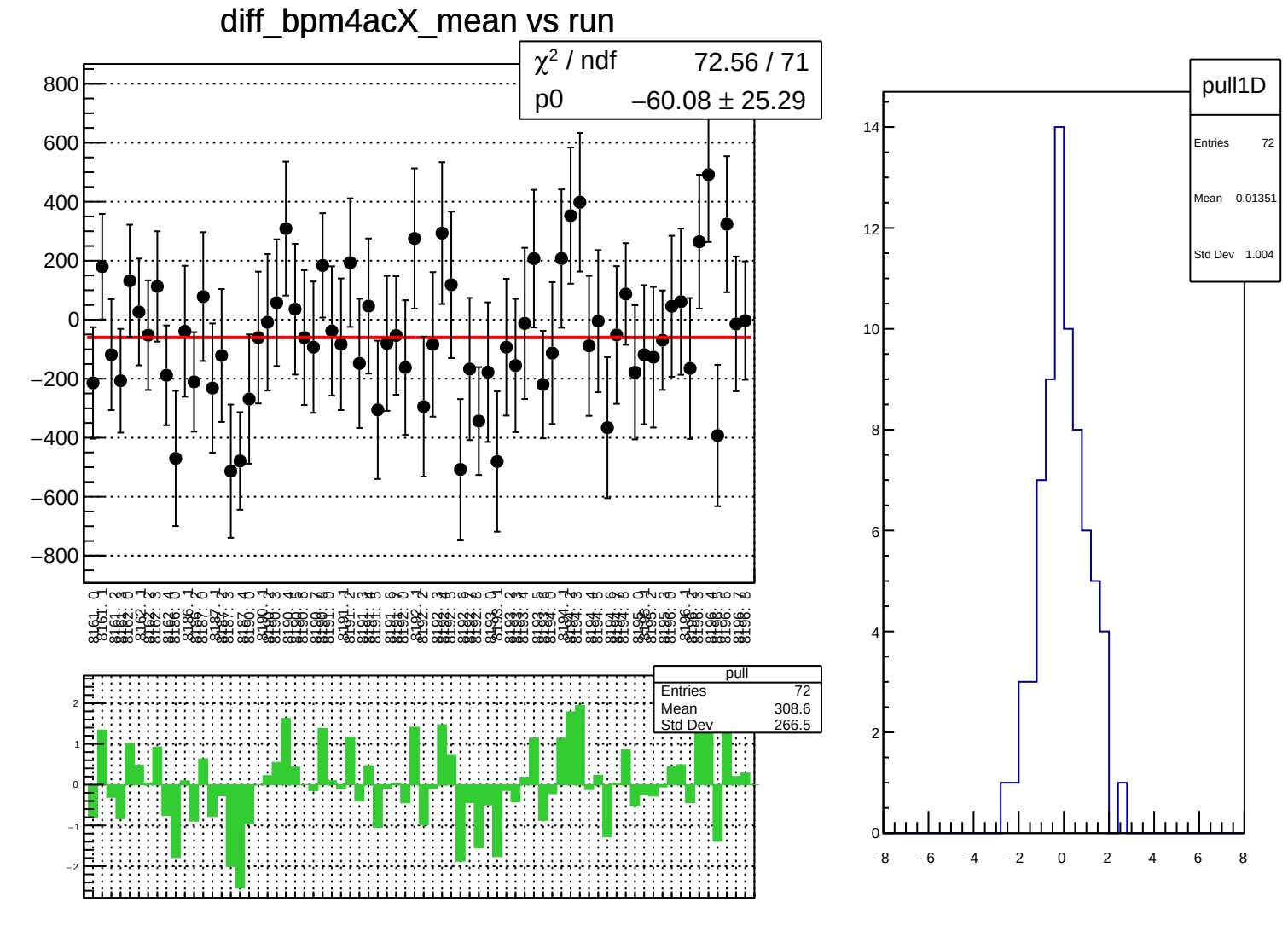

pull1D
Entries 72
Mean 0.01399
Std Dev 1.005

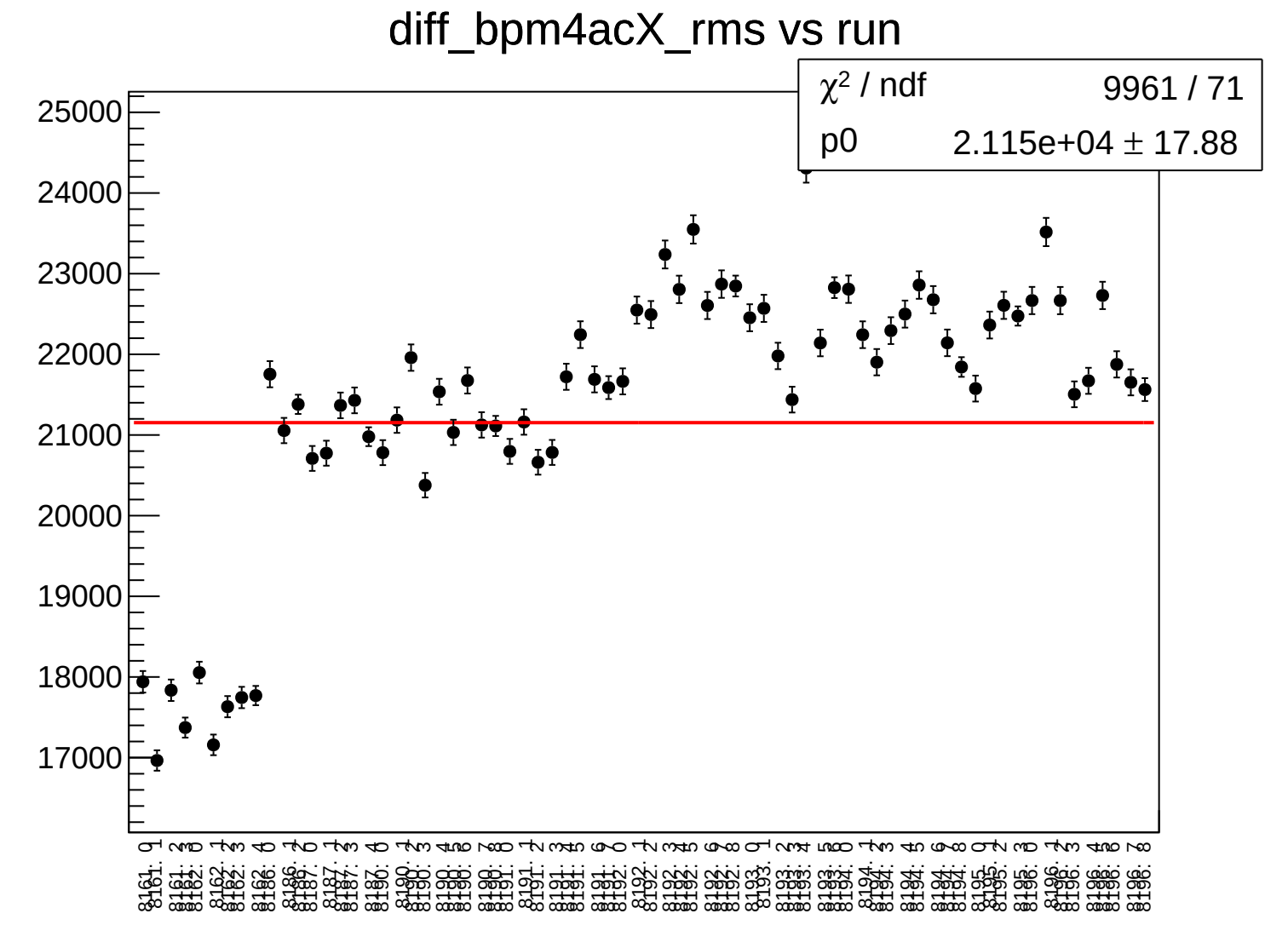

diff_bpm4eX_rms vs run
χ² / ndf 1.041e+04 / 71
p0 2.046e+04 ± 17.3
24000
23000
22000
21000
20000
19000
18000
17000
16000

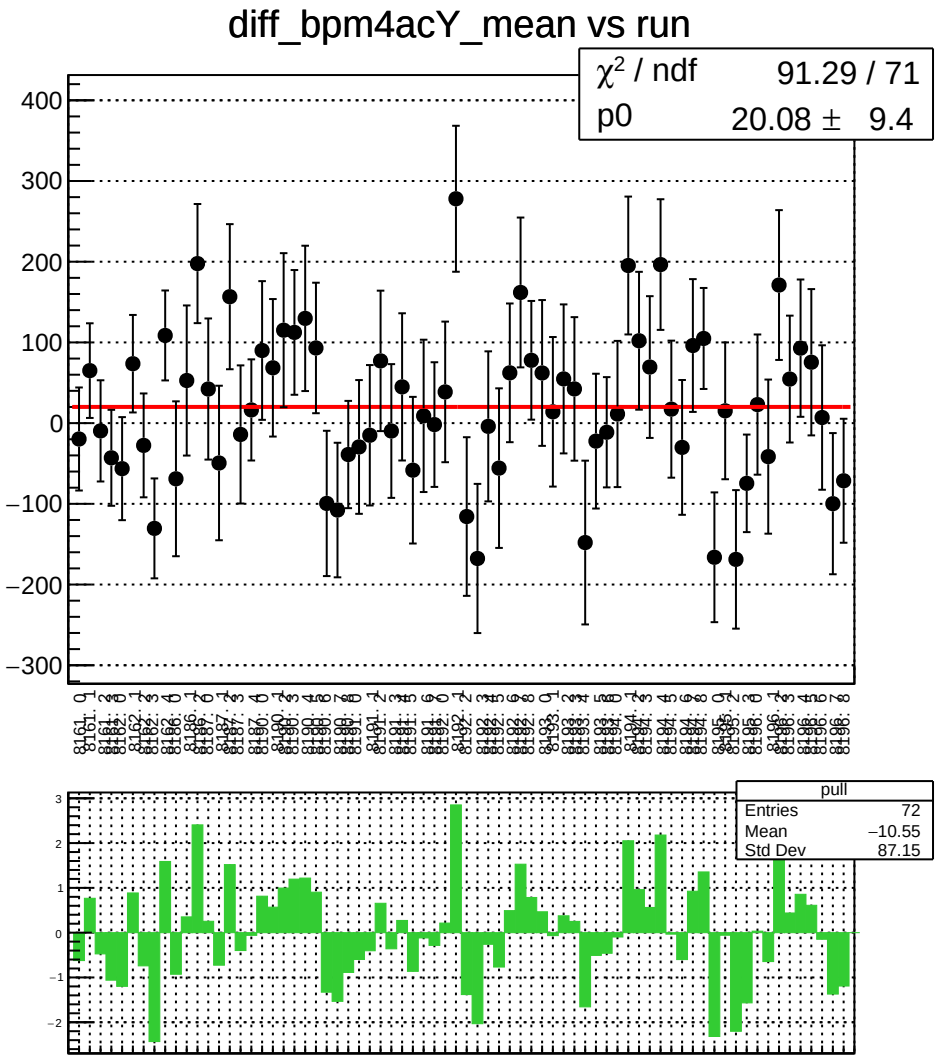

diff_bpm4eY_mean vs run
χ² / ndf 86.39 / 71
p0 23.37 ± 8.899
pull
Entries 72
Mean 24.04
Std Dev 68.6

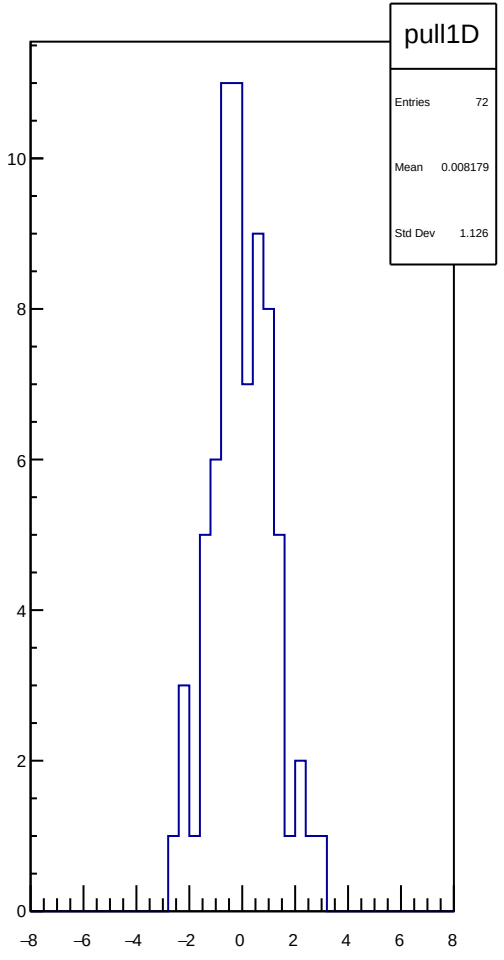

pull1D
Entries 72
Mean 0.007675
Std Dev 1.095

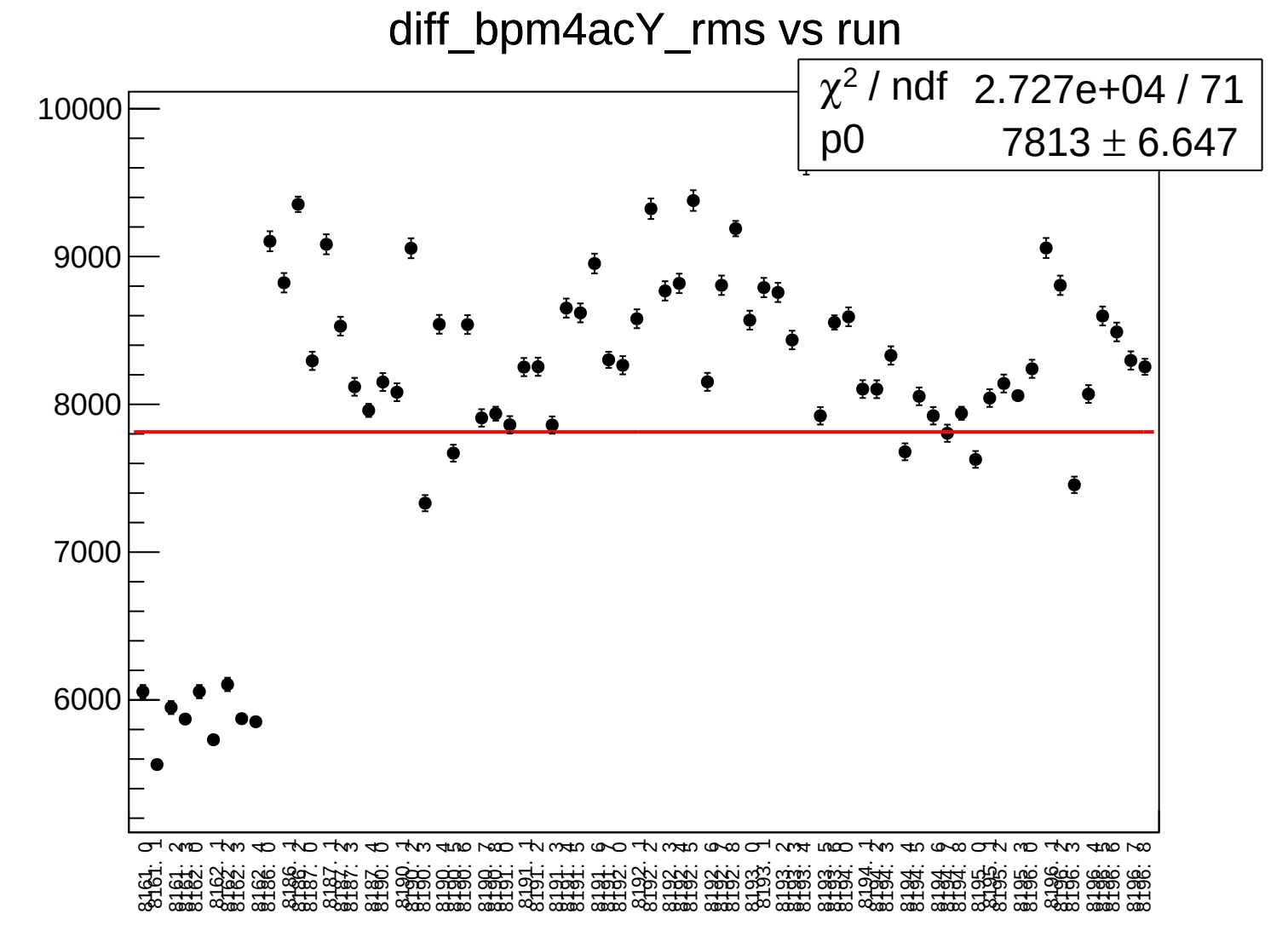

diff_bpm4eY_rms vs run
χ² / ndf 3.186e+04 / 71
p0 7385 ± 6.293
9000
8000
7000
6000
5000

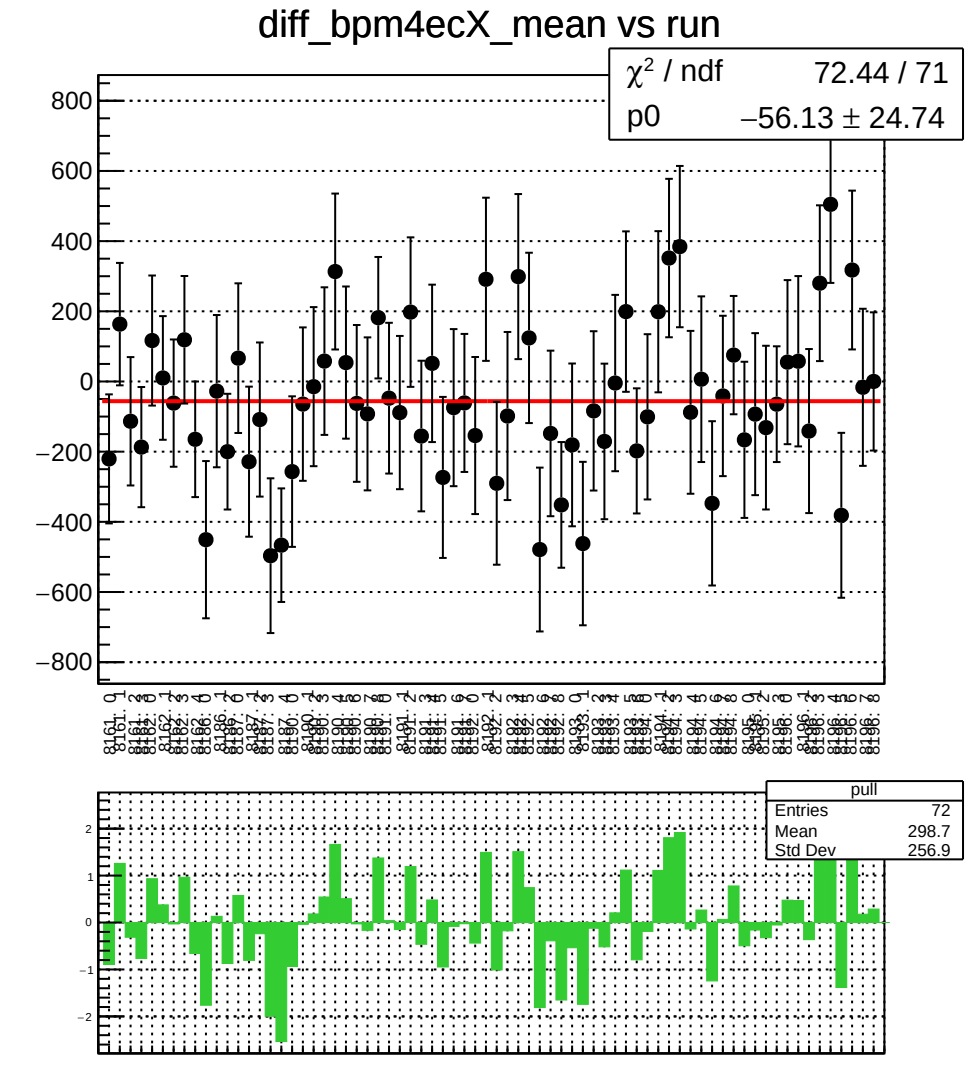

diff_bpm4acX_mean vs run
χ² / ndf 72.56 / 71
p0 −60.08 ± 25.29
pull
Entries 72
Mean 308.6
Std Dev 266.5
pull1D
Entries 72
Mean 0.01351
Std Dev 1.004

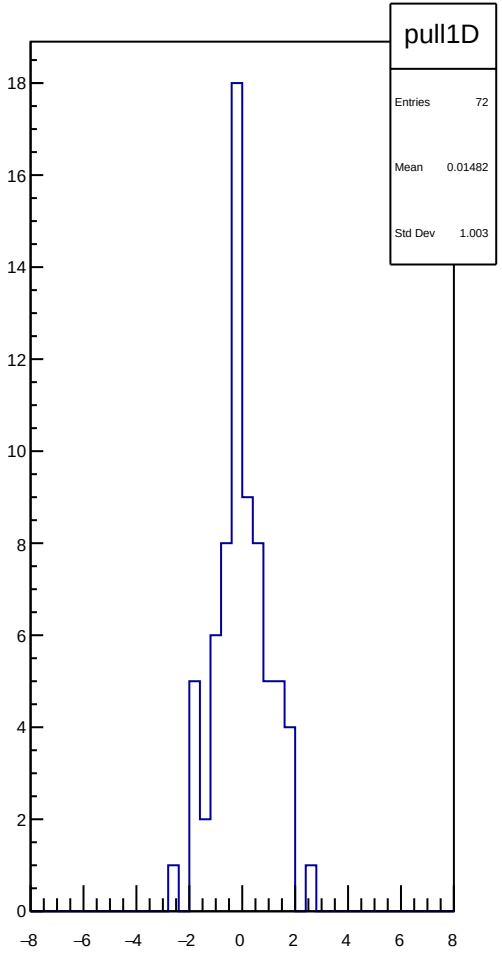

diff_bpm4acX_rms vs run
χ² / ndf 9961 / 71
p0 2.115e+04 ± 17.88
25000
24000
23000
22000
21000
20000
19000
18000
17000

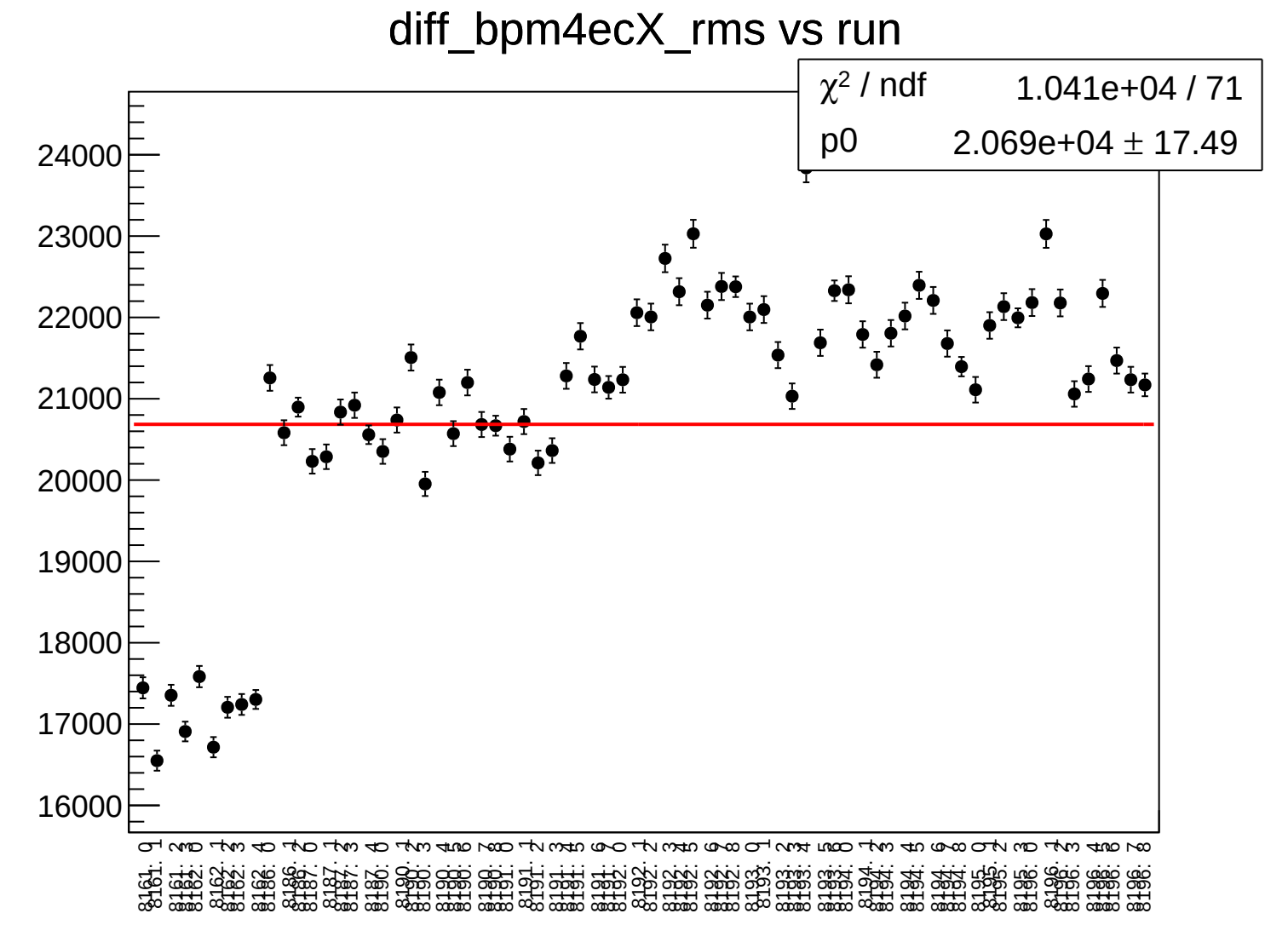

diff_bpm4acY_mean vs run
χ² / ndf 91.29 / 71
p0 20.08 ± 9.4
pull
Entries 72
Mean −10.55
Std Dev 87.15

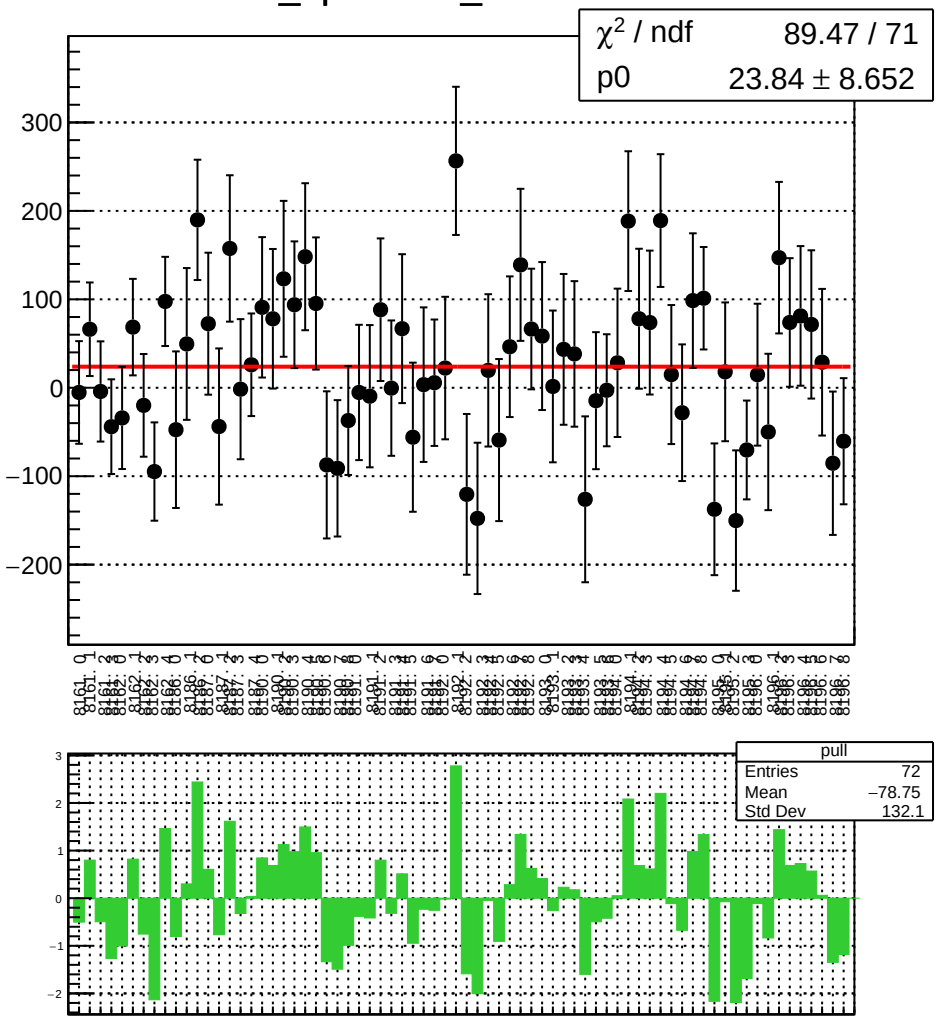

pull1D
Entries 72
Mean 0.008179
Std Dev 1.126

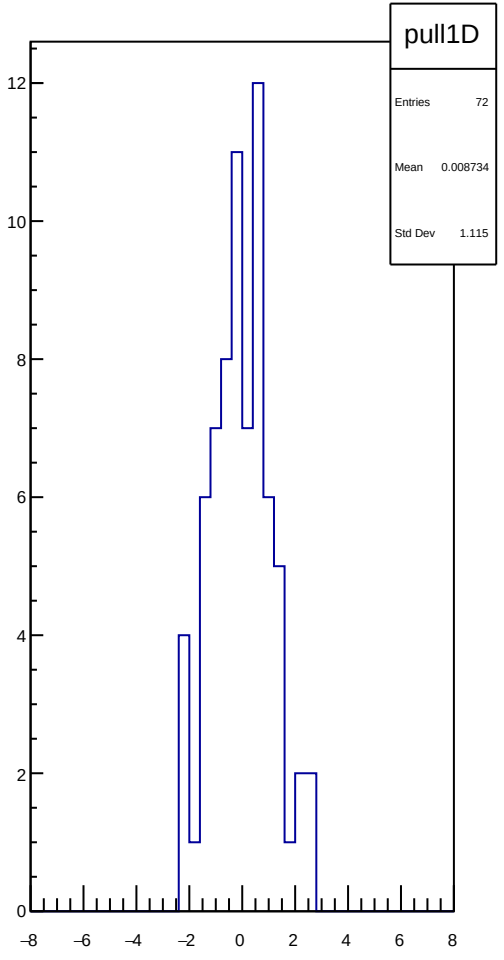

diff_bpm4acY_rms vs run
χ² / ndf 2.727e+04 / 71
p0 7813 ± 6.647
10000
9000
8000
7000
6000

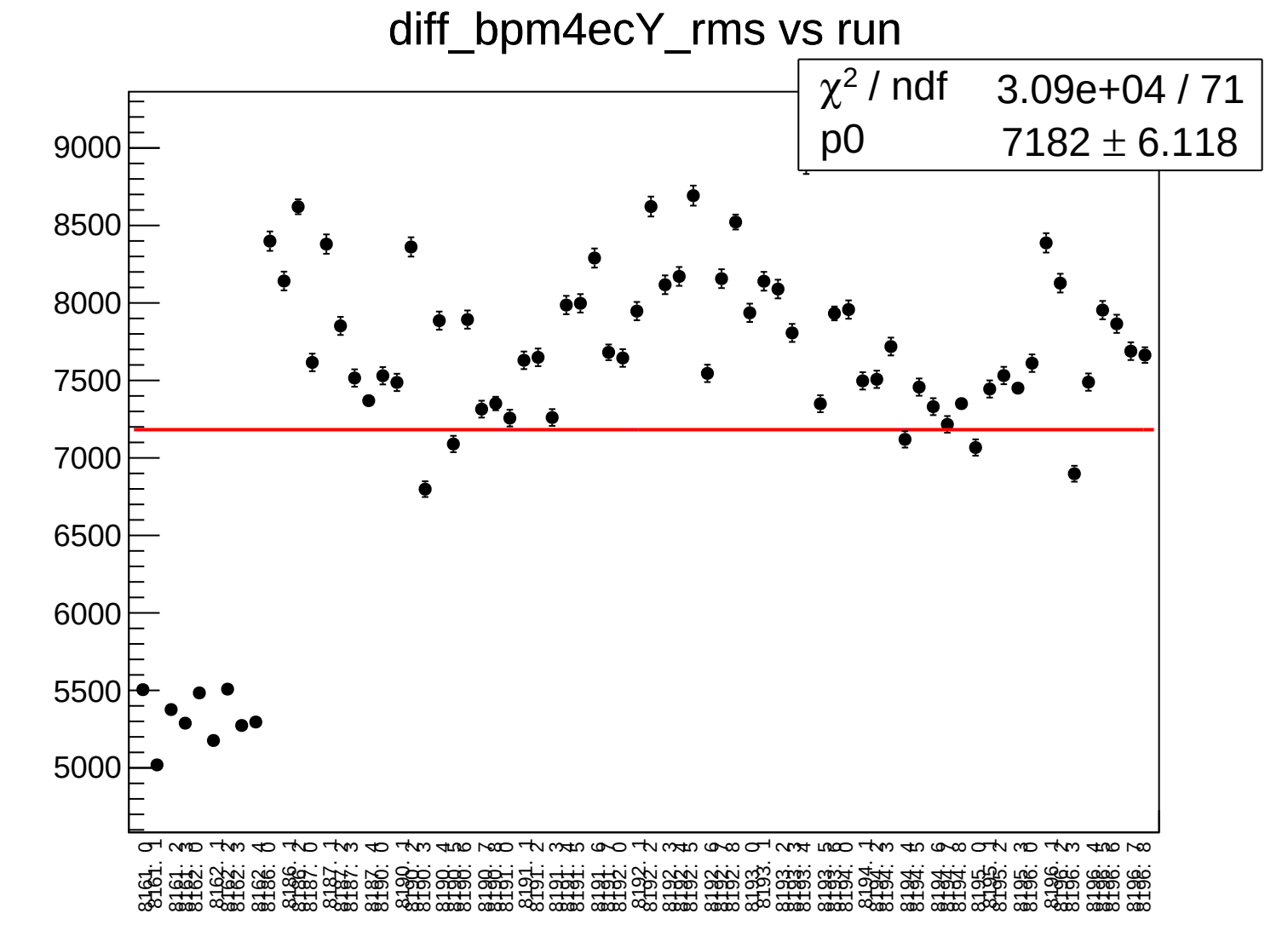

diff_bpm4ecX_mean vs run
χ² / ndf 72.44 / 71
p0 −56.13 ± 24.74
pull
Entries 72
Mean 298.7
Std Dev 256.9

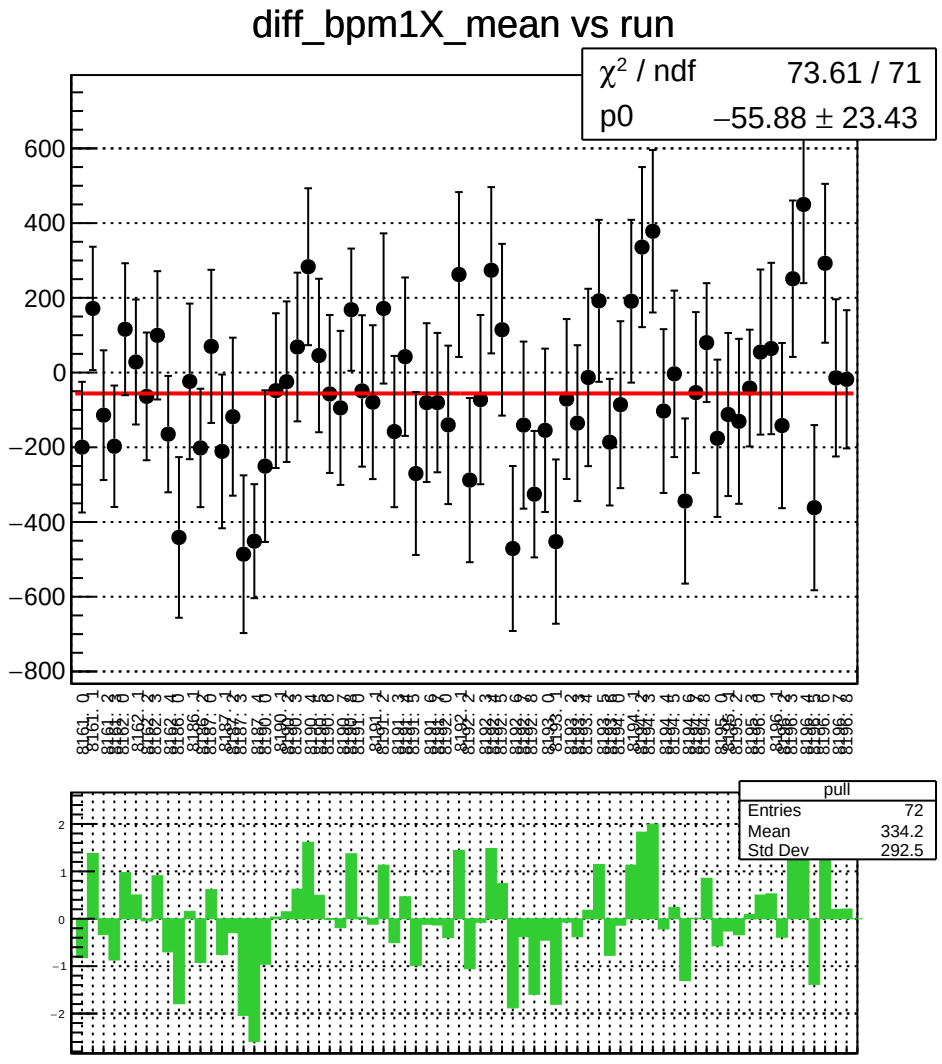

pull1D
Entries 72
Mean 0.01482
Std Dev 1.003

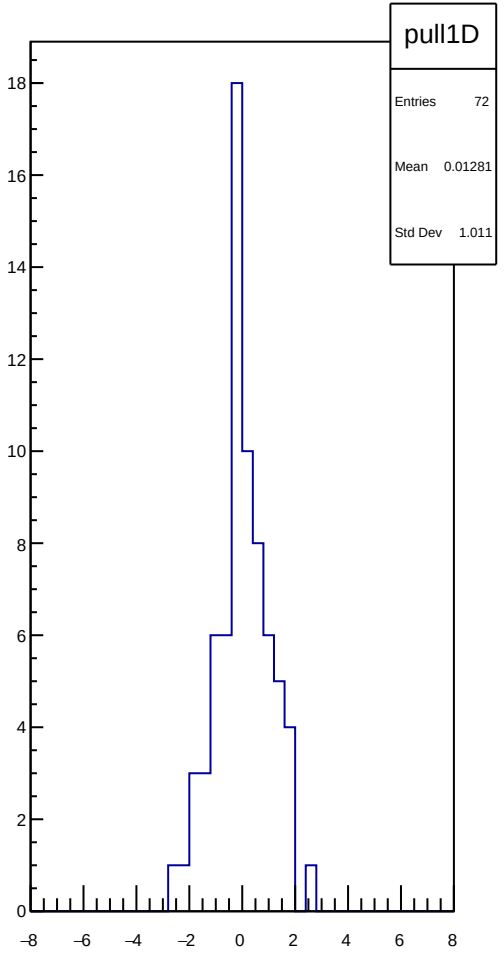

diff_bpm4ecX_rms vs run
χ² / ndf 1.041e+04 / 71
p0 2.069e+04 ± 17.49
24000
23000
22000
21000
20000
19000
18000
17000
16000

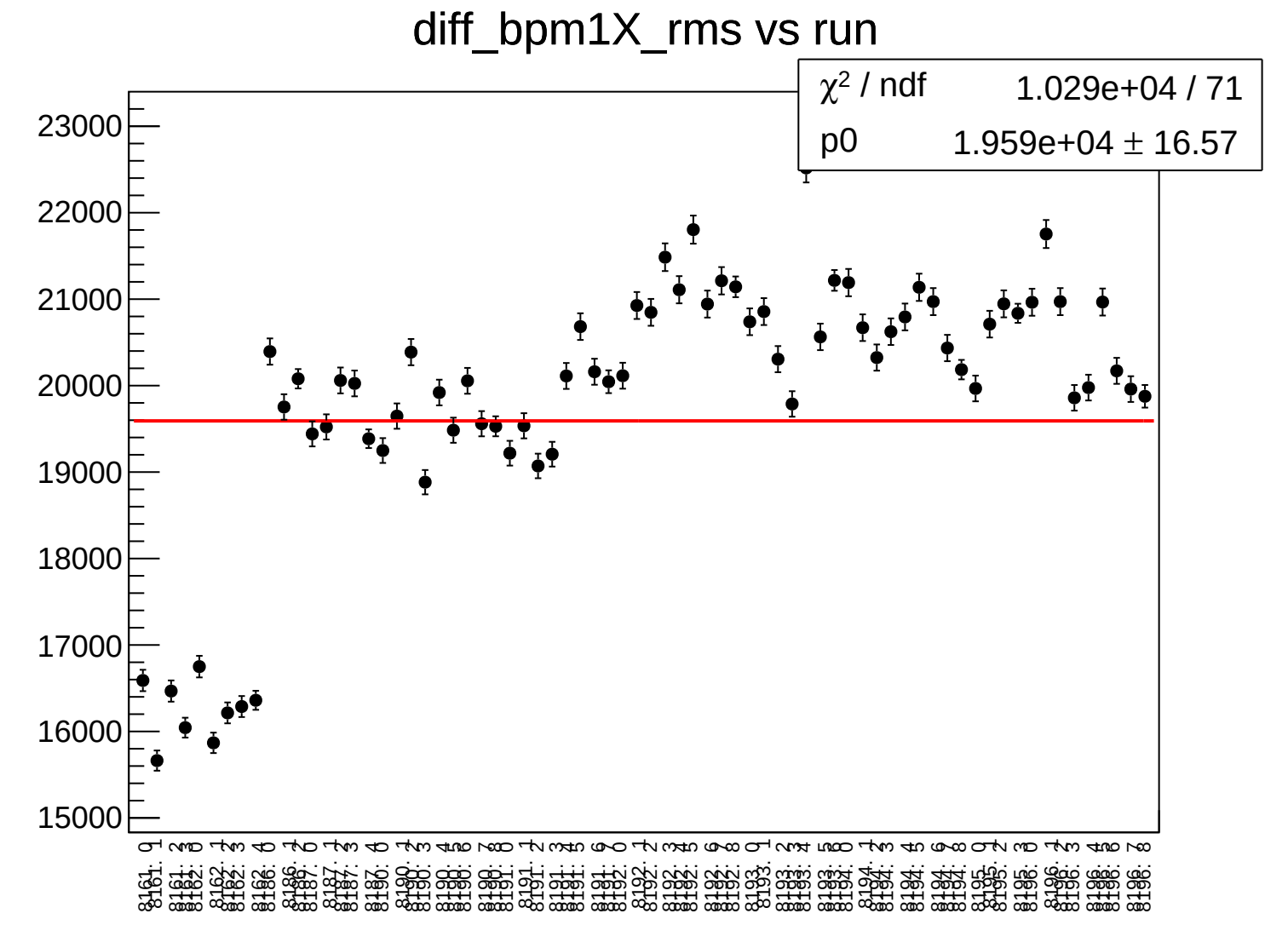

diff_bpm4ecY_mean vs run
χ^2 / ndf 89.47 / 71
p0 23.84 ± 8.652
pull
Entries 72
Mean −78.75
Std Dev 132.1

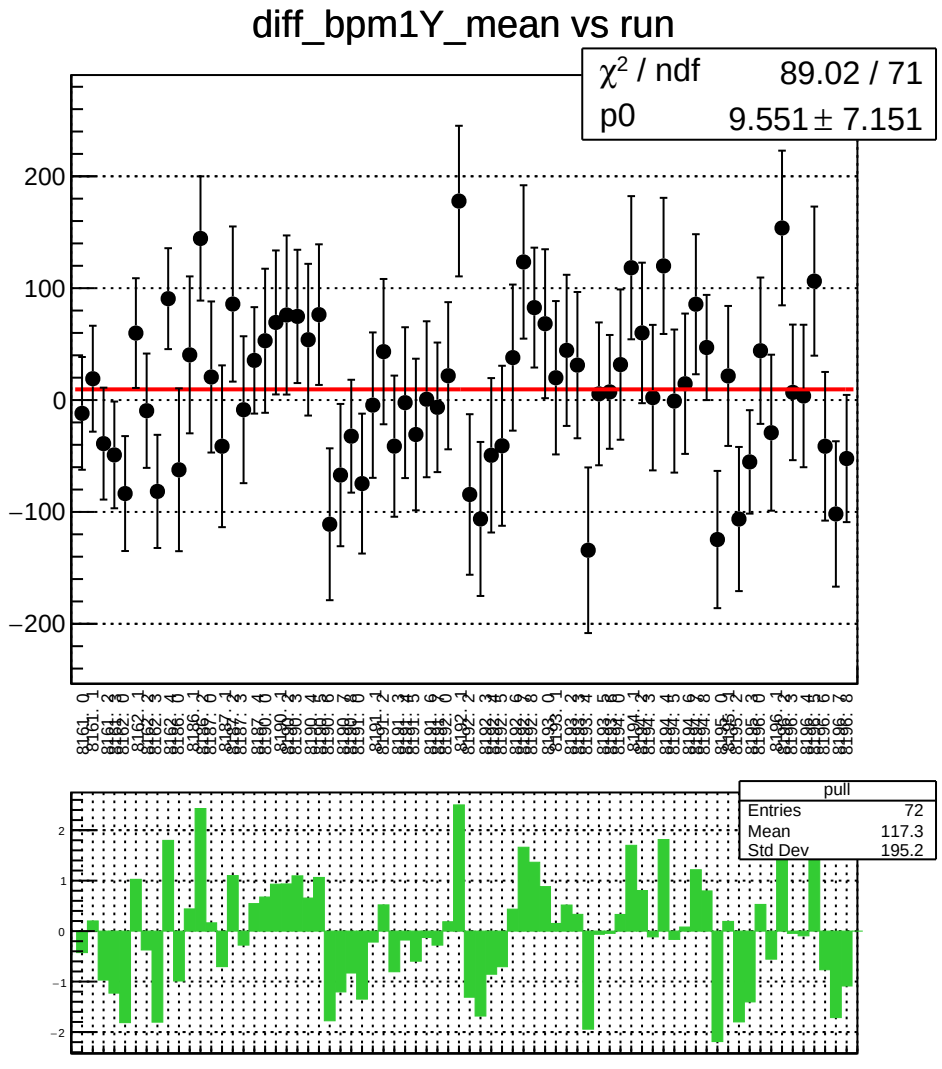

pull1D
Entries 72
Mean 0.008734
Std Dev 1.115

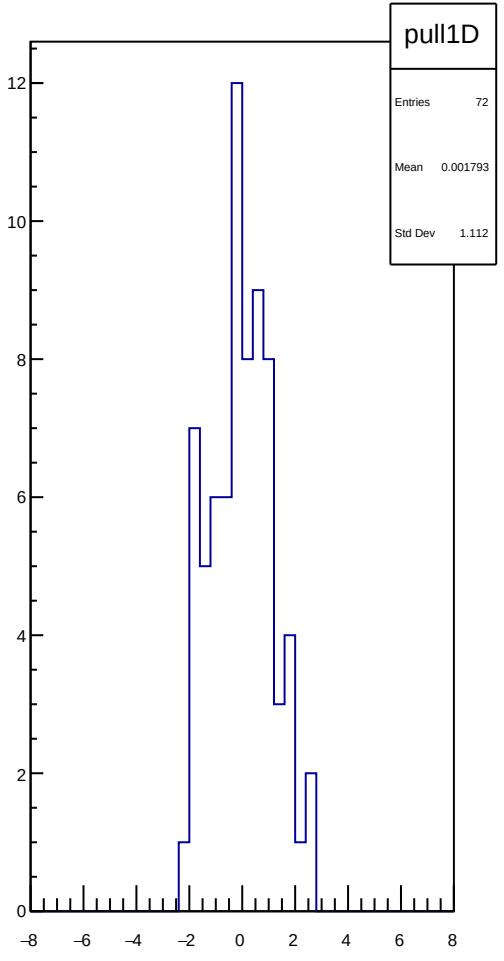

diff_bpm4ecY_rms vs run
χ^2 / ndf 3.09e+04 / 71
p0 7182 ± 6.118
9000
8500
8000
7500
7000
6500
6000
5500
5000

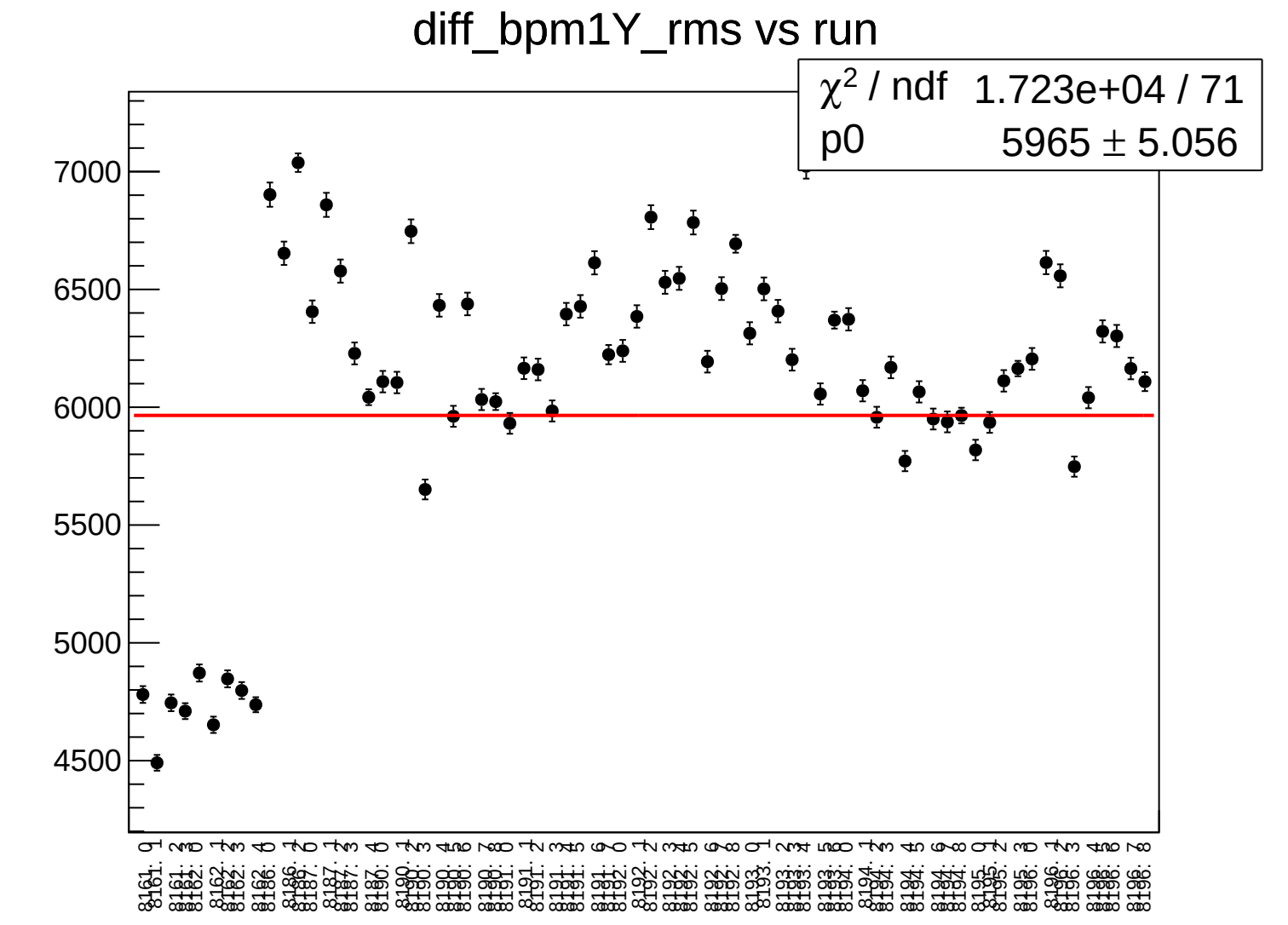

diff_bpm1X_mean vs run
χ² / ndf 73.61 / 71
p0 −55.88 ± 23.43
pull
Entries 72
Mean 334.2
Std Dev 292.5

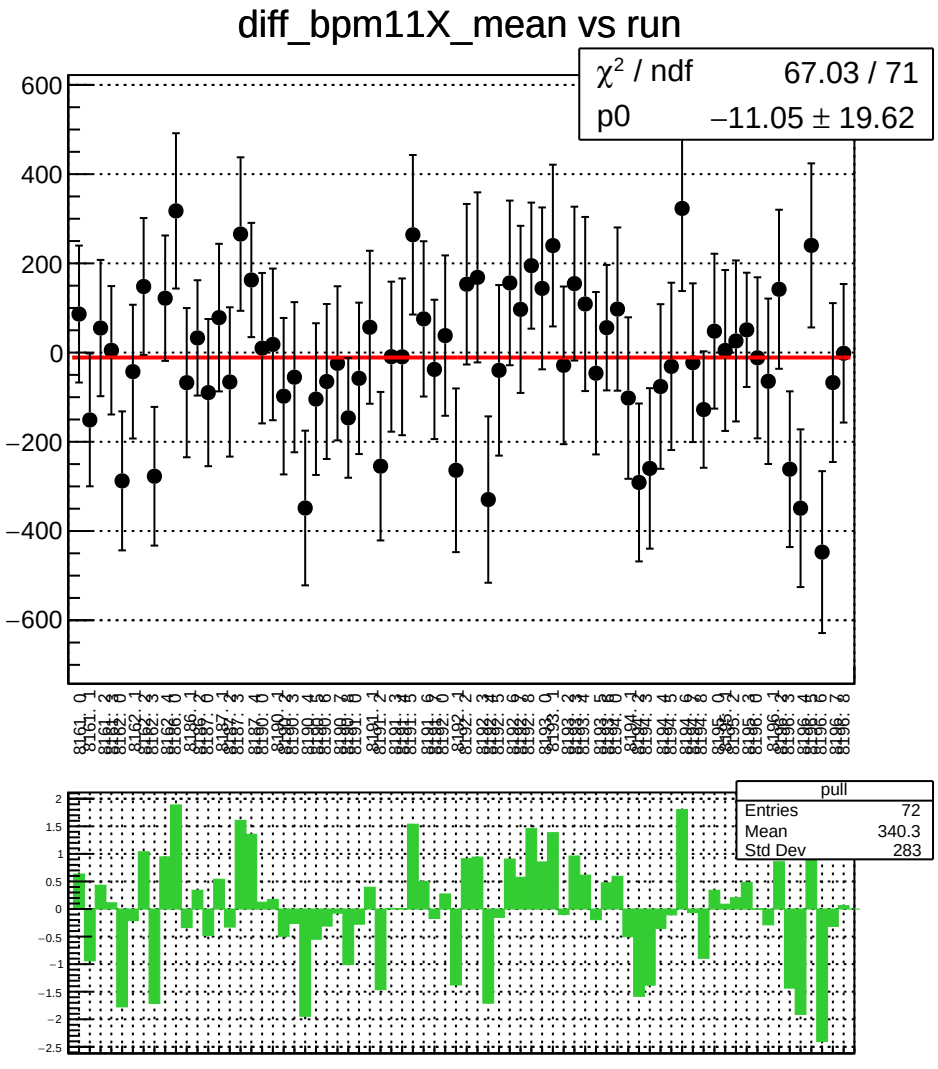

pull1D
Entries 72
Mean 0.01281
Std Dev 1.011

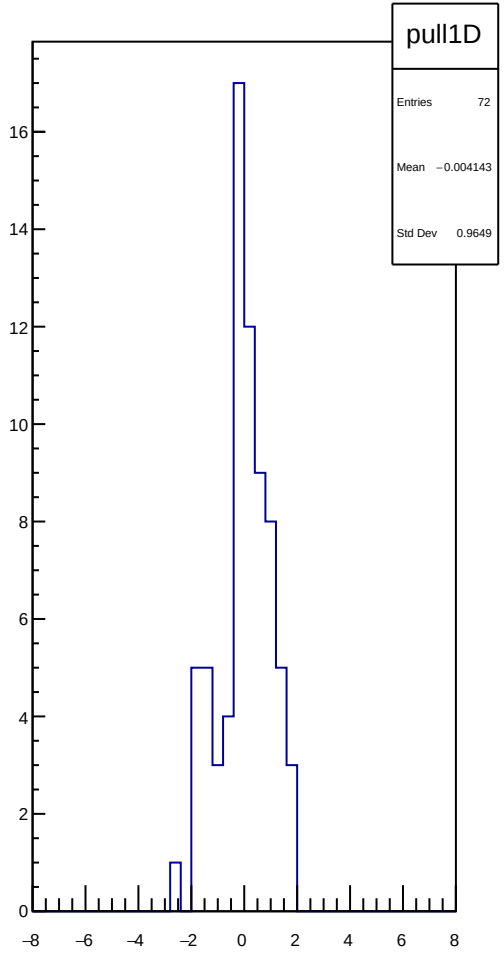

diff_bpm1X_rms vs run
χ² / ndf 1.029e+04 / 71
p0 1.959e+04 ± 16.57
23000
22000
21000
20000
19000
18000
17000
16000
15000

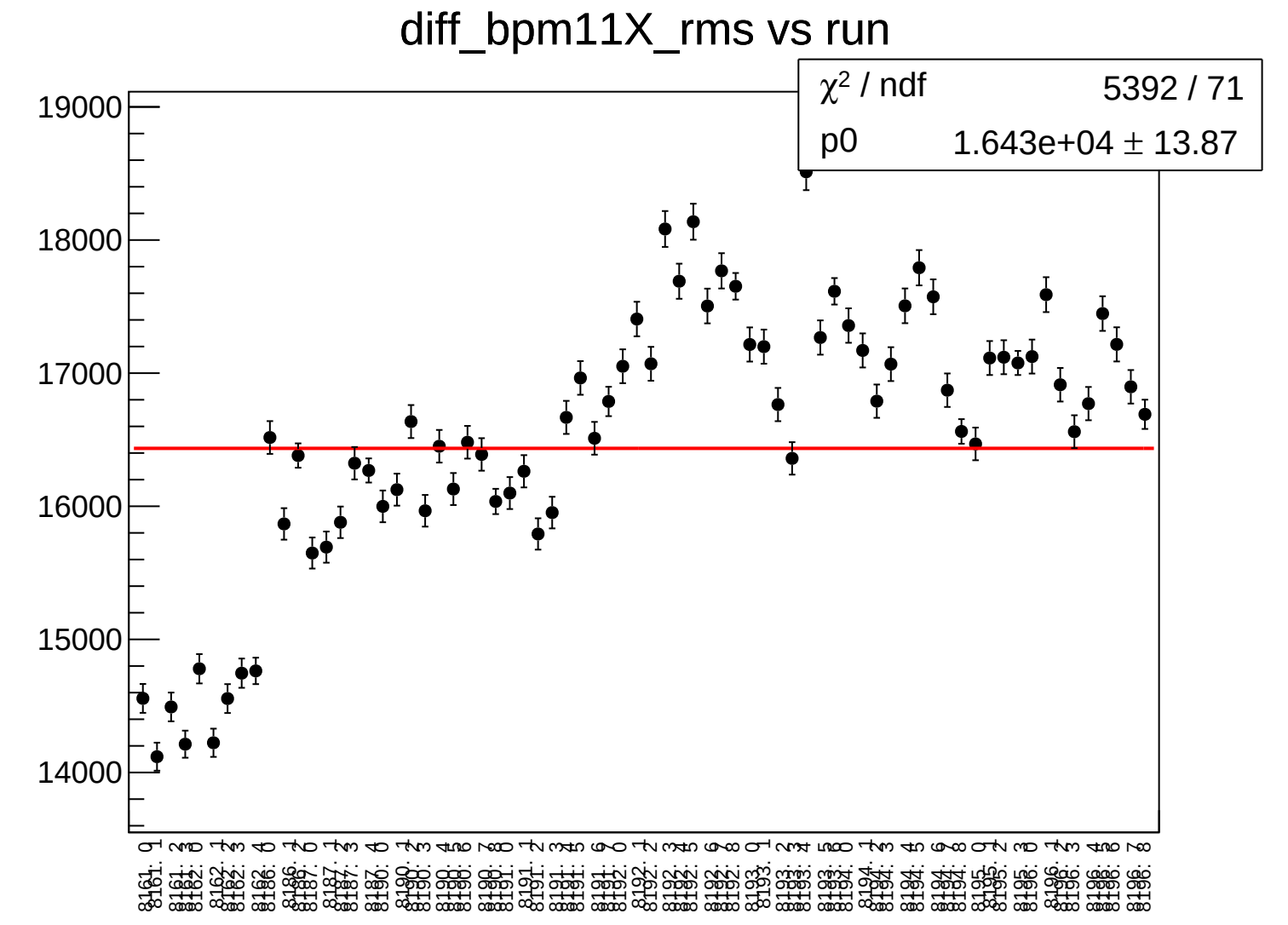

diff_bpm1Y_mean vs run
χ² / ndf 89.02 / 71
p0 9.551 ± 7.151
200
100
0
−100
−200
pull
Entries 72
Mean 117.3
Std Dev 195.2
2
1
0
−1
−2

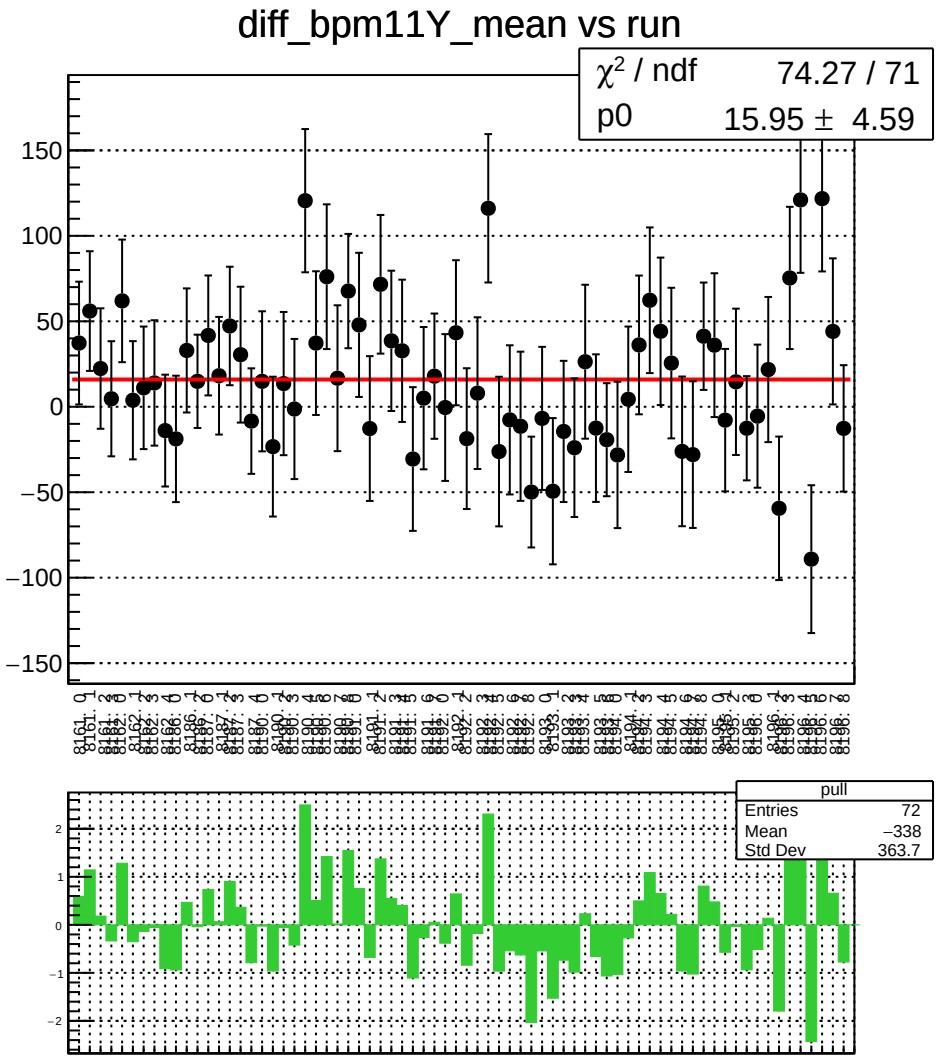

pull1D
Entries 72
Mean 0.001793
Std Dev 1.112
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

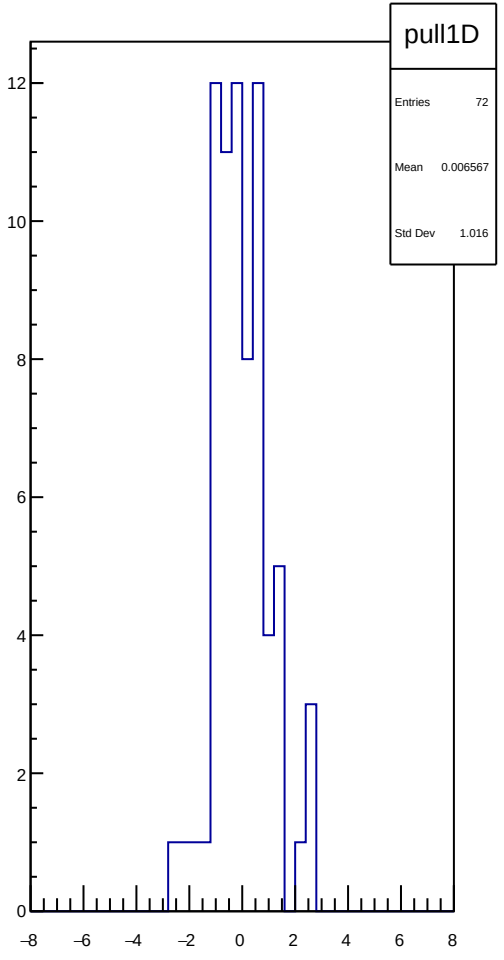

diff_bpm1Y_rms vs run
χ² / ndf 1.723e+04 / 71
p0 5965 ± 5.056
7000
6500
6000
5500
5000
4500

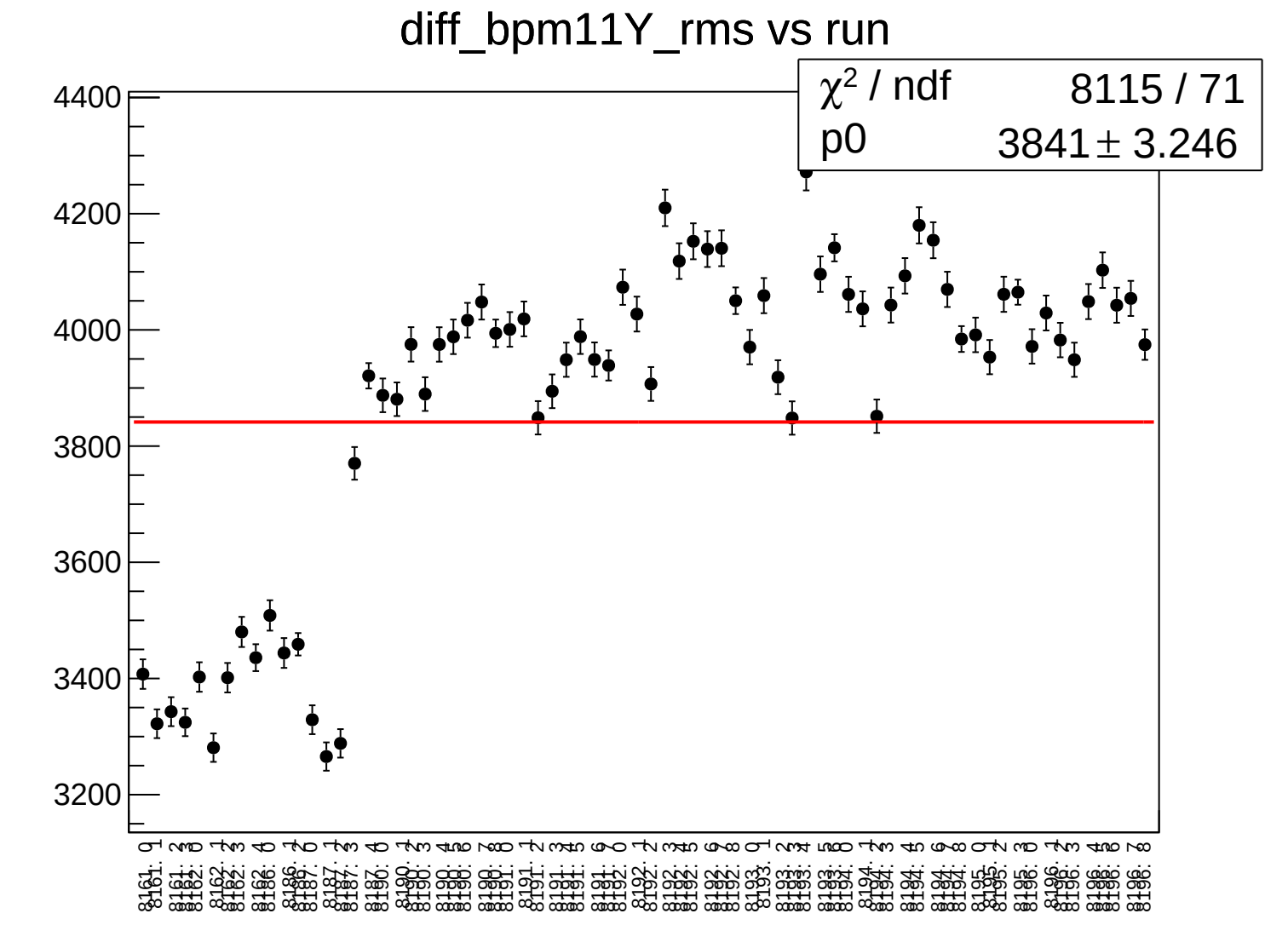

diff_bpm11X_mean vs run
χ² / ndf 67.03 / 71
p0 −11.05 ± 19.62
pull
Entries 72
Mean 340.3
Std Dev 283

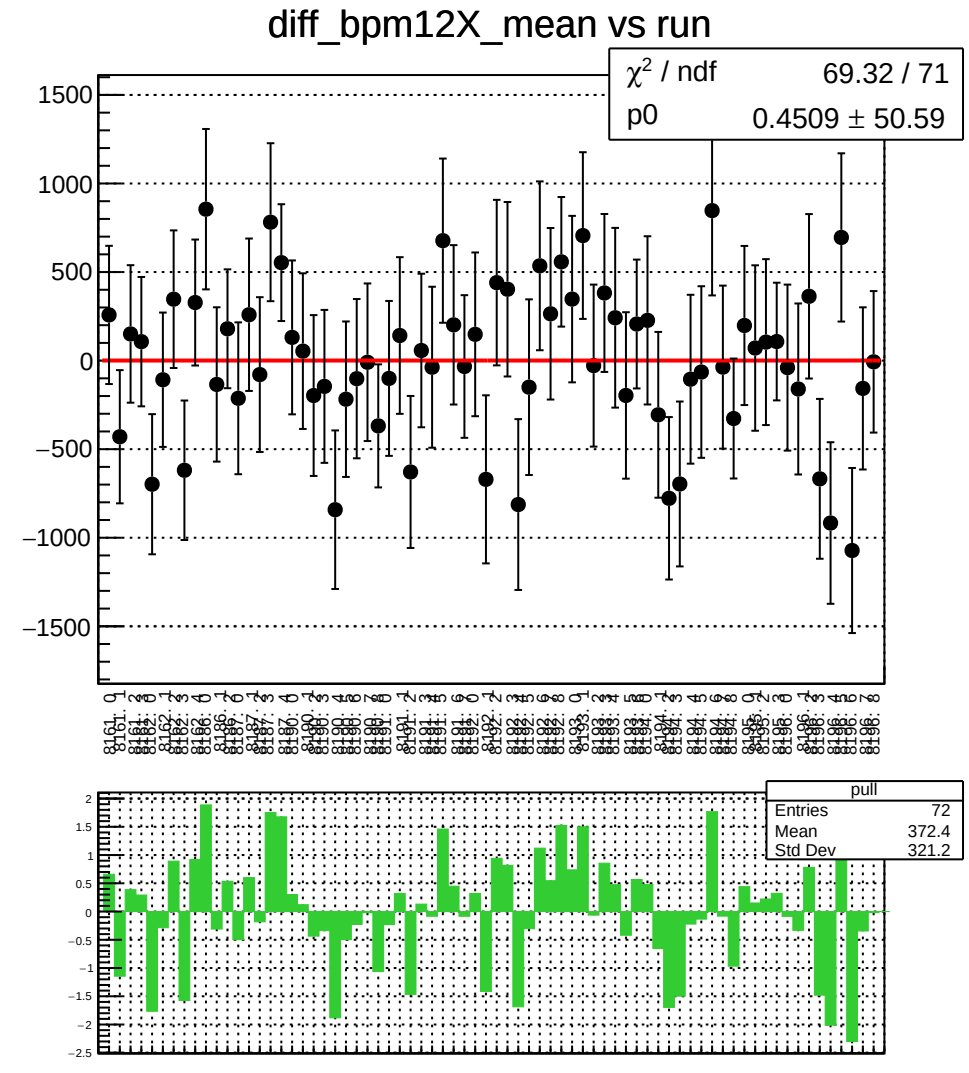

pull1D
Entries 72
Mean −0.004143
Std Dev 0.9649

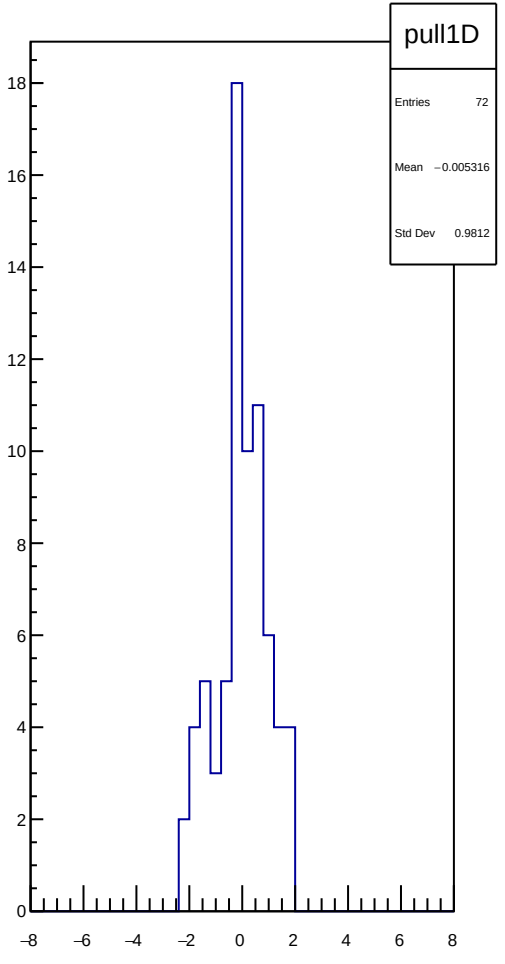

diff_bpm11X_rms vs run
χ^2 / ndf 5392 / 71
p0 1.643e+04 ± 13.87
19000
18000
17000
16000
15000
14000

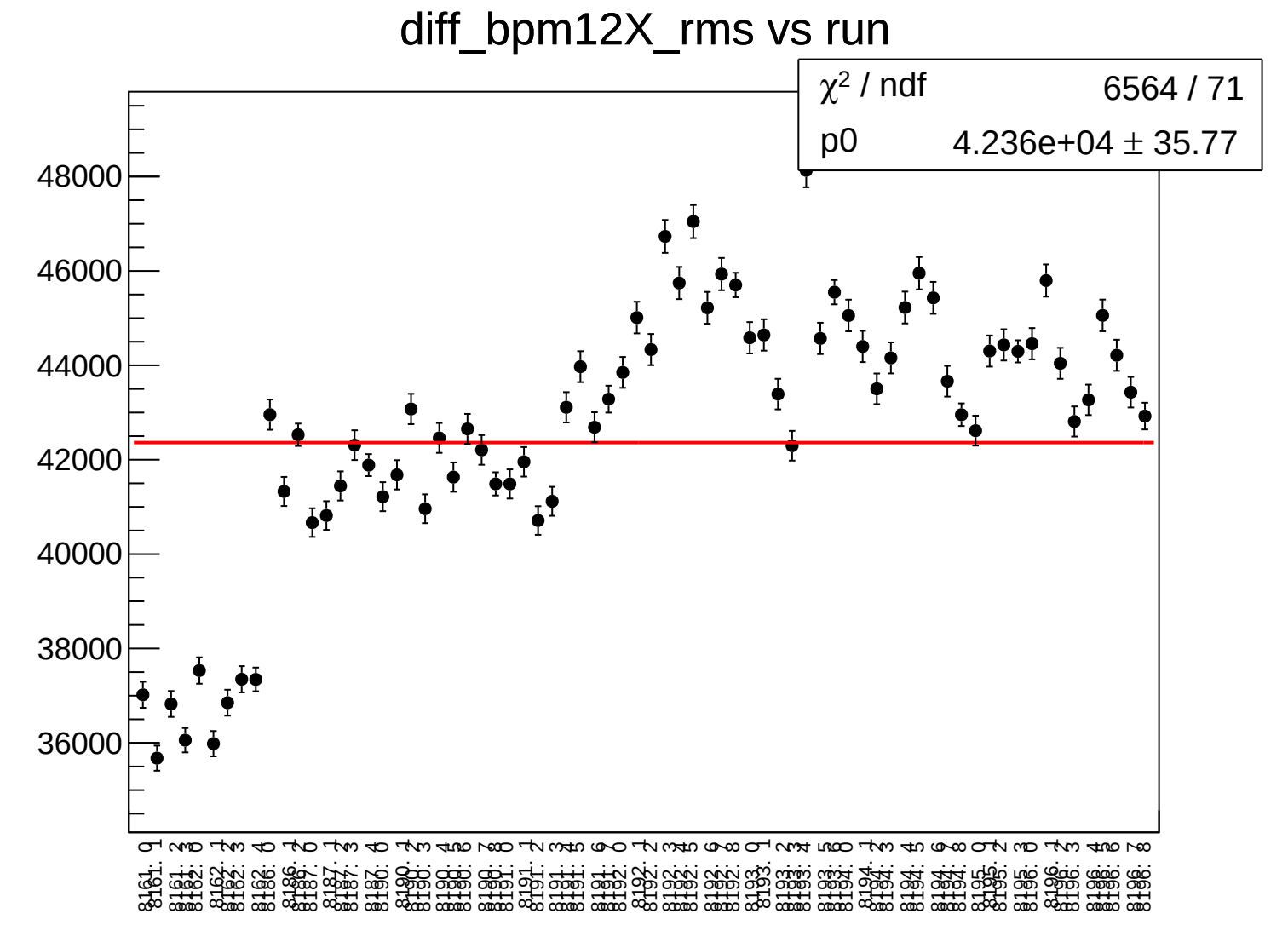

diff_bpm11Y_mean vs run
χ² / ndf 74.27 / 71
p0 15.95 ± 4.59
pull
Entries 72
Mean −338
Std Dev 363.7

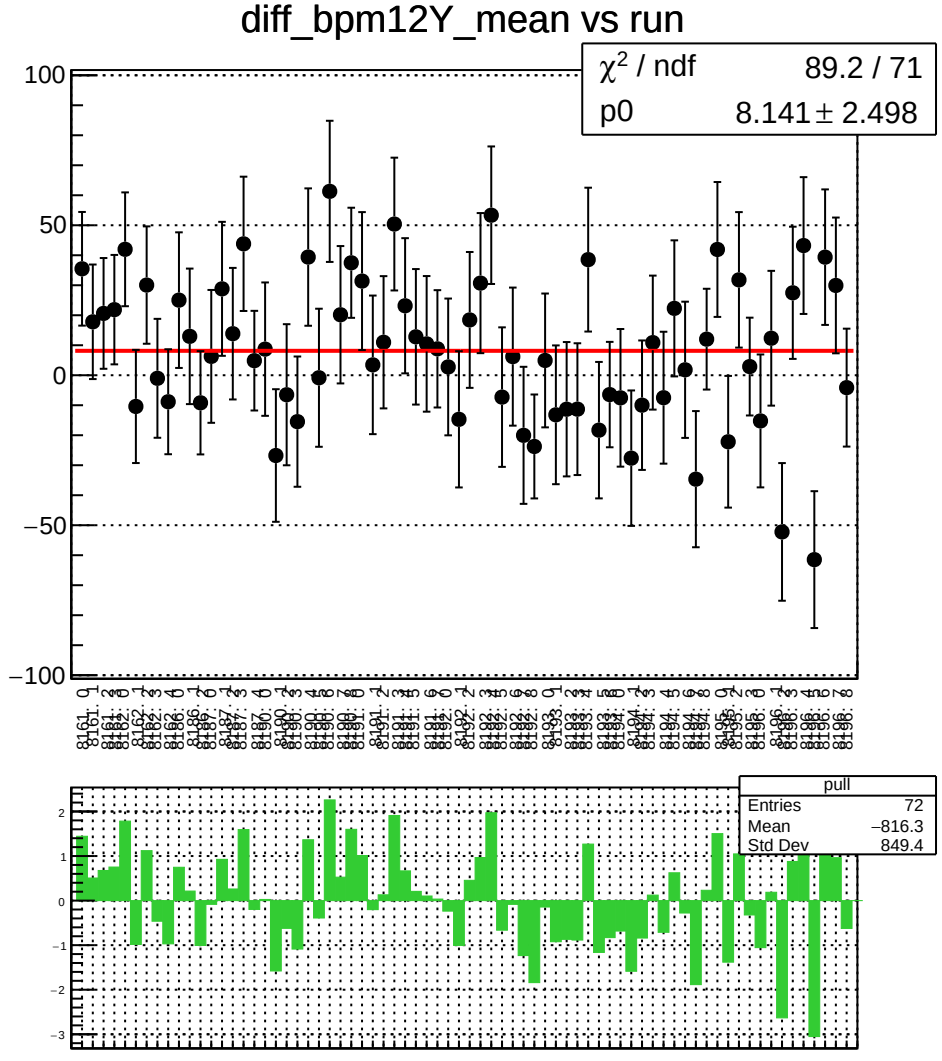

pull1D
Entries 72
Mean 0.006567
Std Dev 1.016

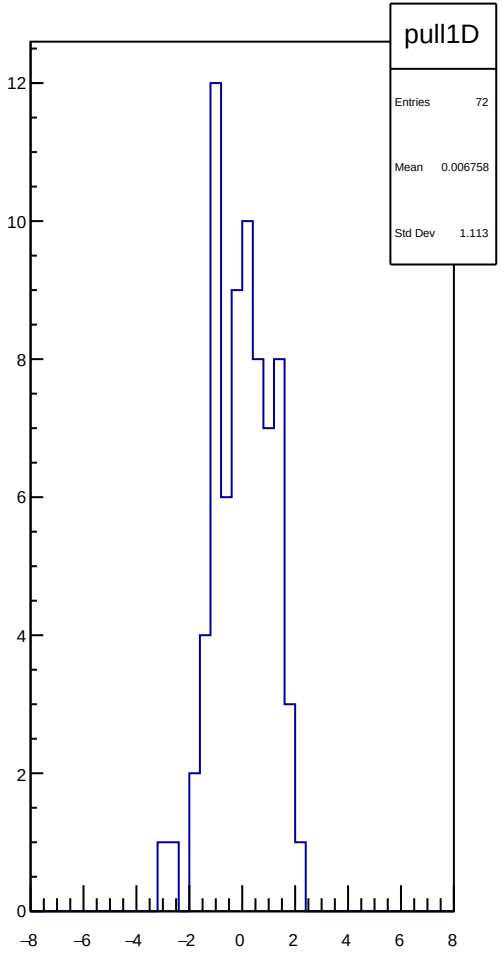

diff_bpm11Y_rms vs run
χ² / ndf 8115 / 71
p0 3841 ± 3.246
4400
4200
4000
3800
3600
3400
3200

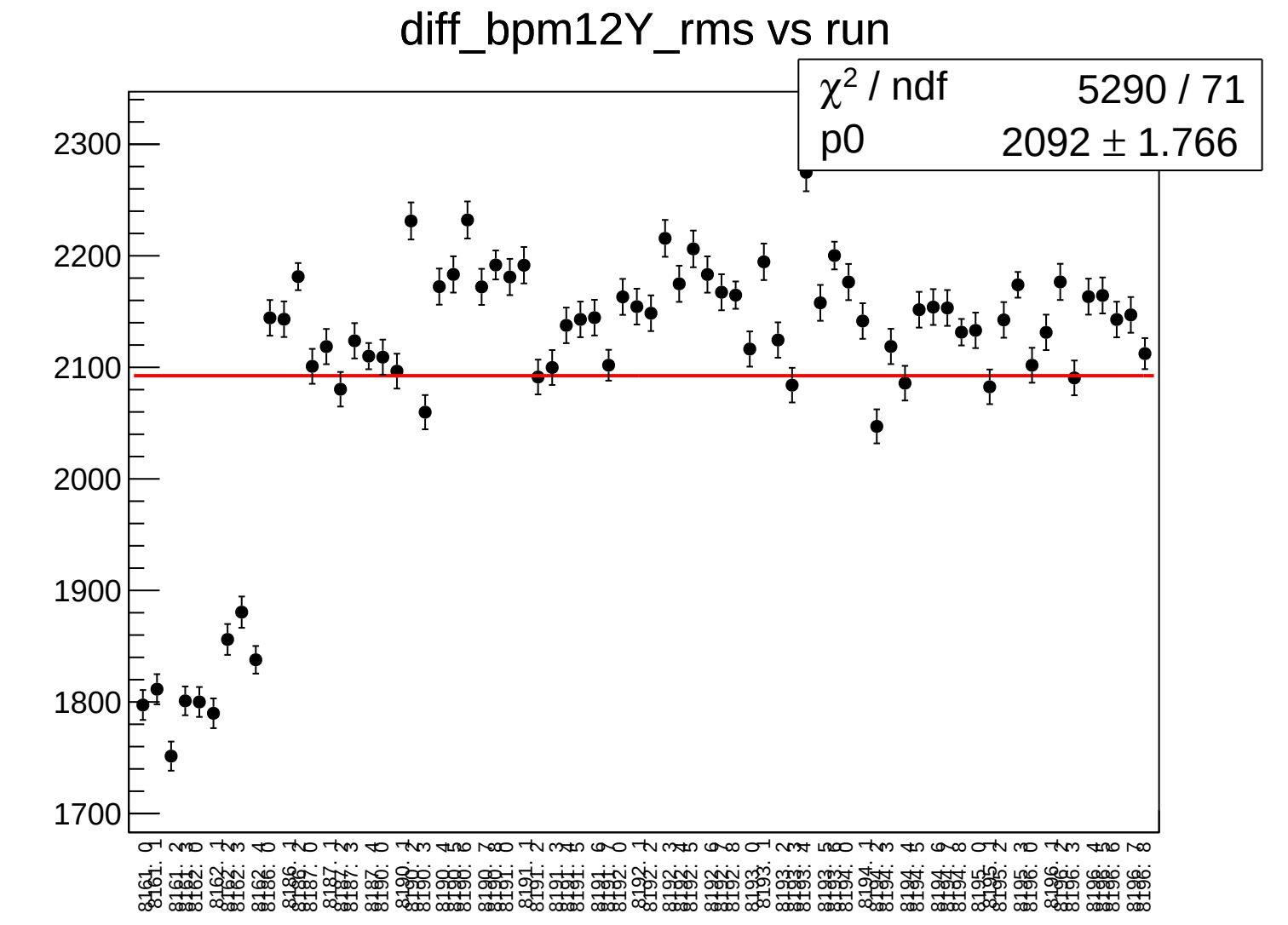

diff_bpm12X_mean vs run
χ² / ndf 69.32 / 71
p0 0.4509 ± 50.59
pull
Entries 72
Mean 372.4
Std Dev 321.2

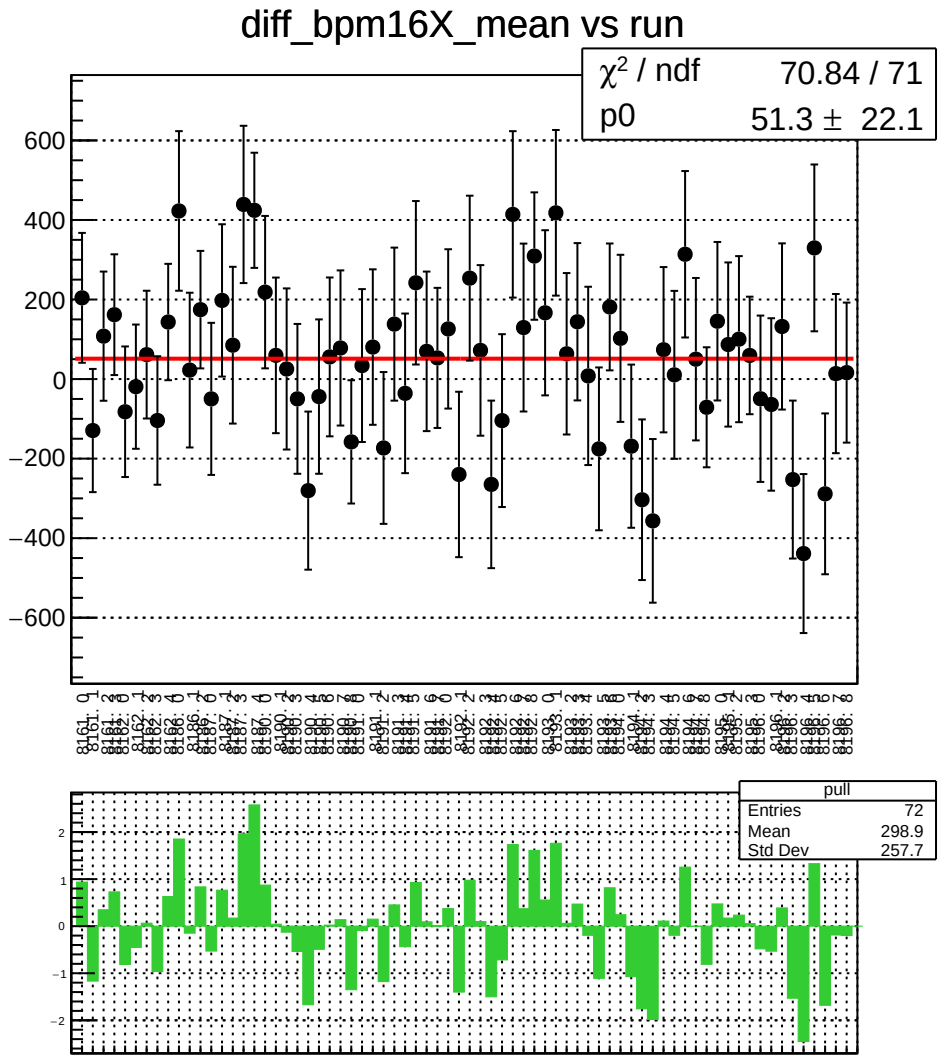

pull1D
Entries 72
Mean −0.005316
Std Dev 0.9812

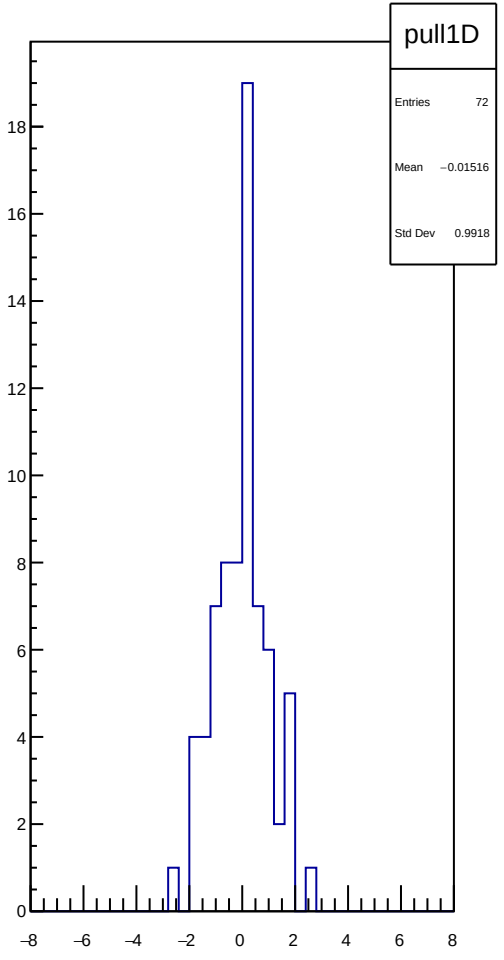

diff_bpm12X_rms vs run
χ² / ndf 6564 / 71
p0 4.236e+04 ± 35.77
48000
46000
44000
42000
40000
38000
36000

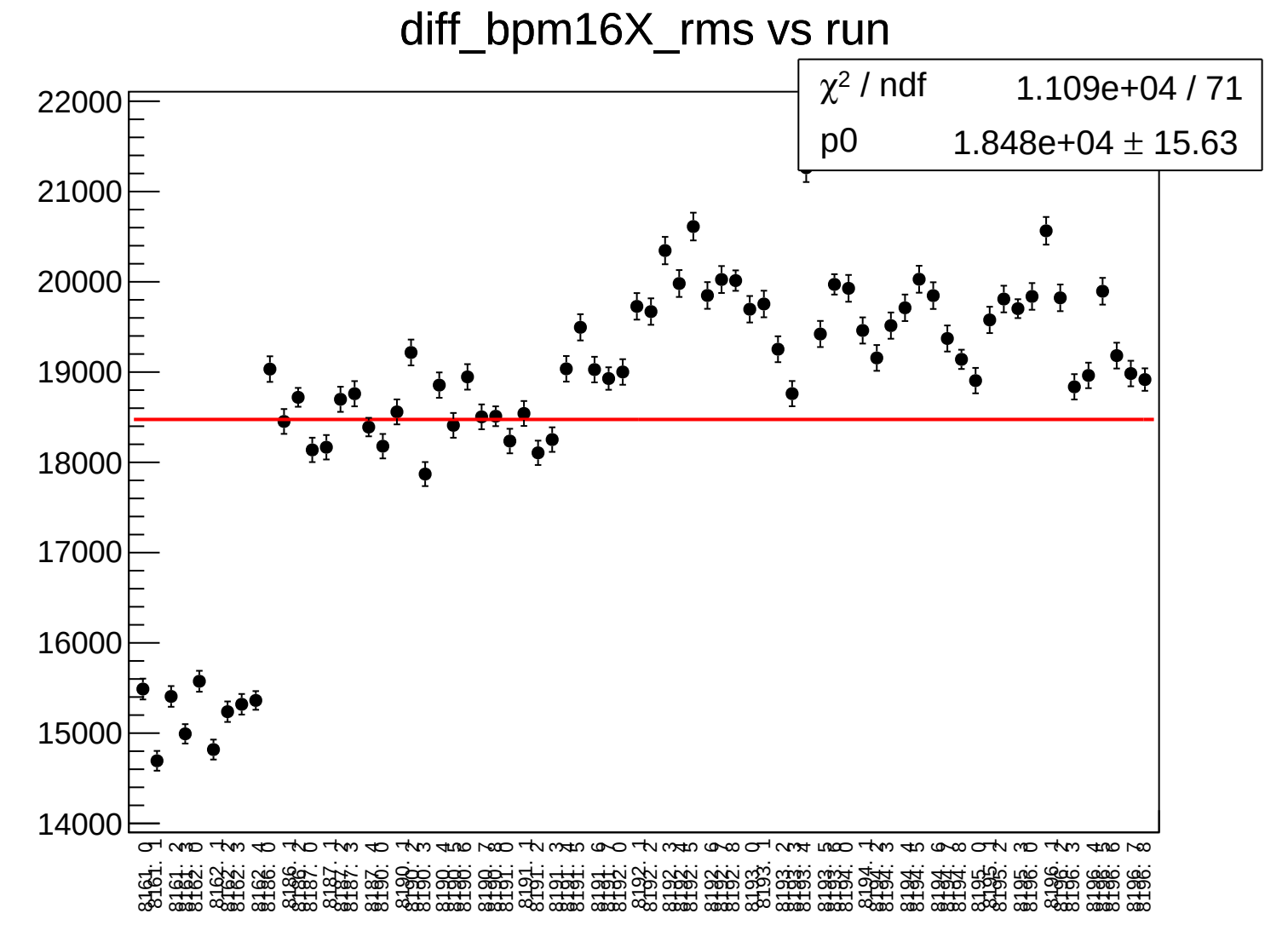

diff_bpm12Y_mean vs run
χ^2 / ndf 89.2 / 71
p0 8.141 ± 2.498
pull
Entries 72
Mean −816.3
Std Dev 849.4

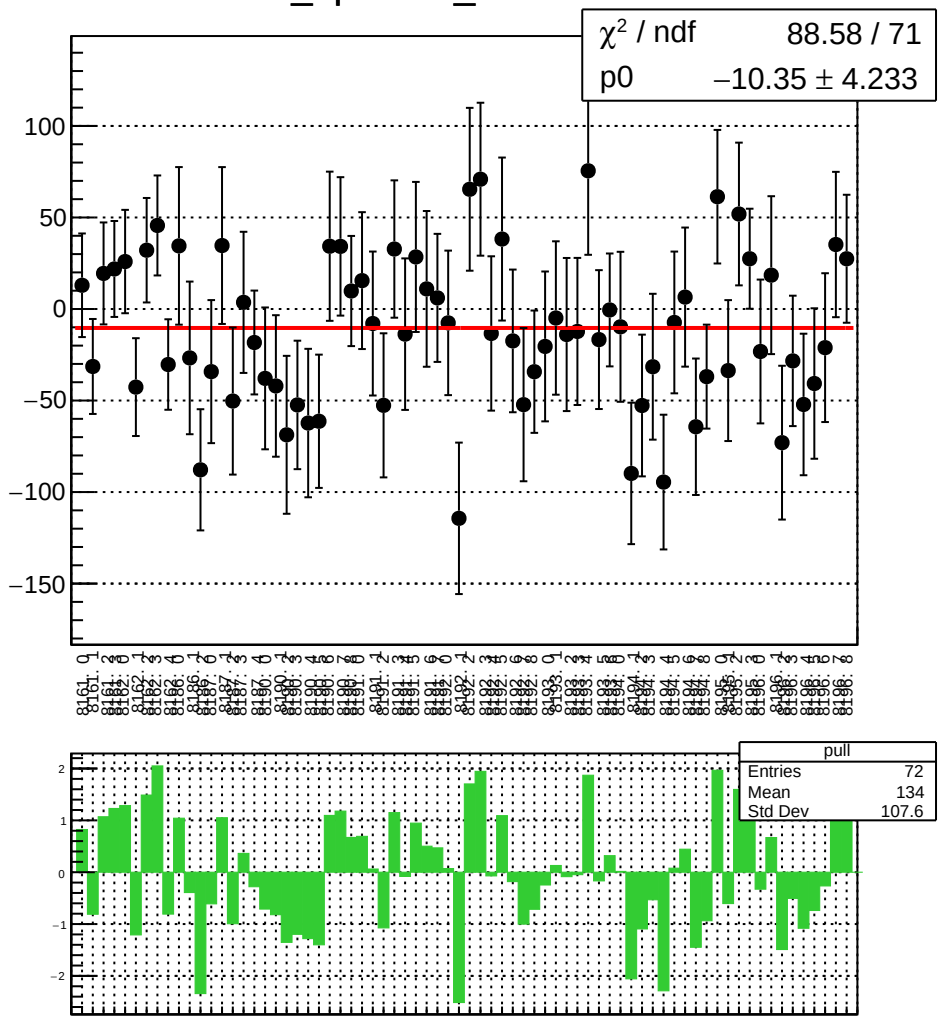

pull1D
Entries 72
Mean 0.006758
Std Dev 1.113

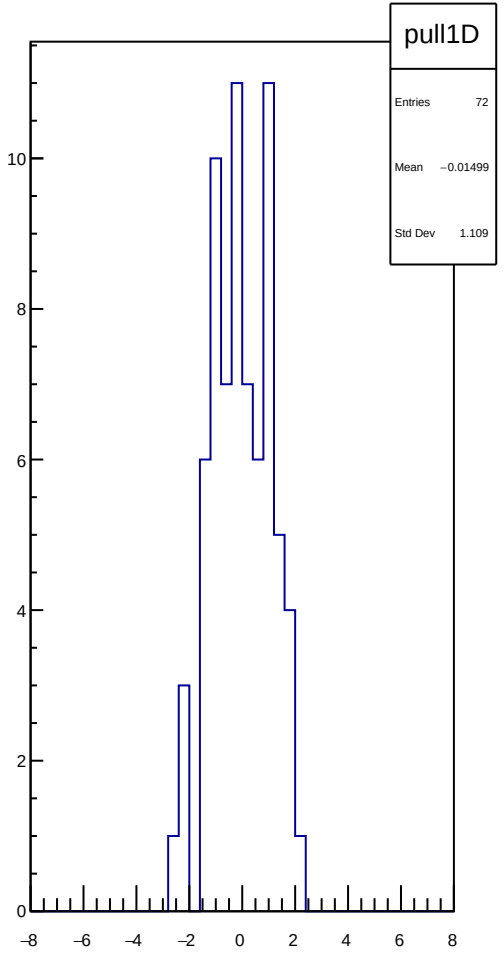

diff_bpm12Y_rms vs run
χ² / ndf 5290 / 71
p0 2092 ± 1.766
2300
2200
2100
2000
1900
1800
1700

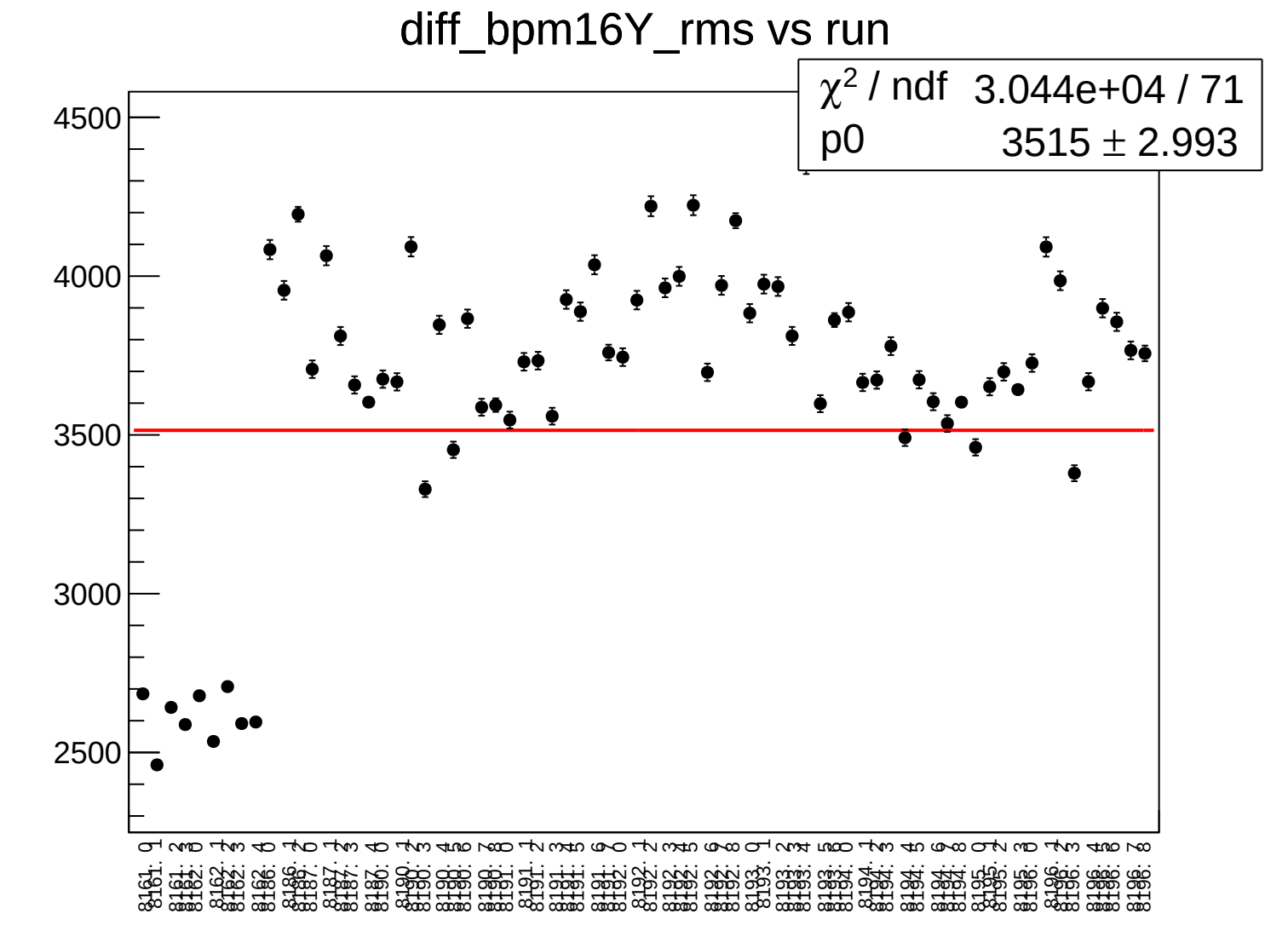

diff_bpm16X_mean vs run
χ² / ndf 70.84 / 71
p0 51.3 ± 22.1
pull
Entries 72
Mean 298.9
Std Dev 257.7

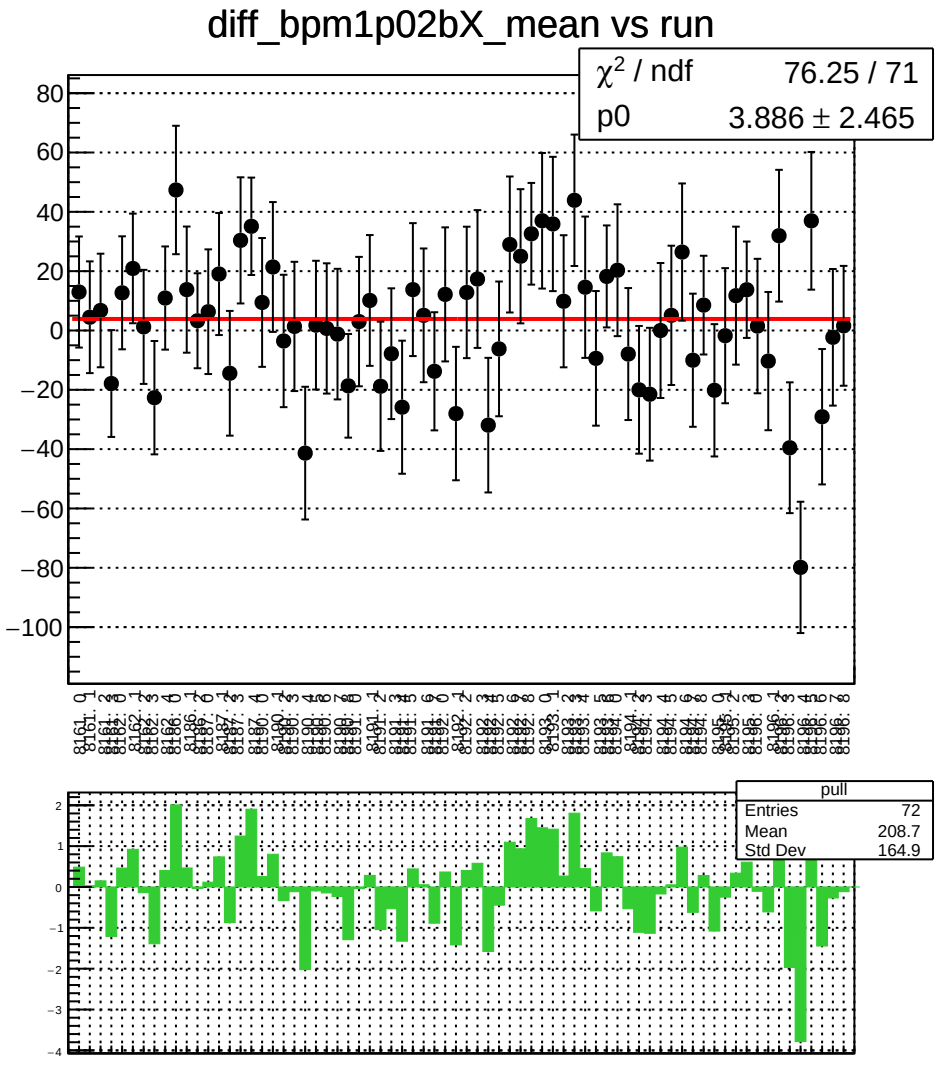

pull1D
Entries 72
Mean −0.01516
Std Dev 0.9918

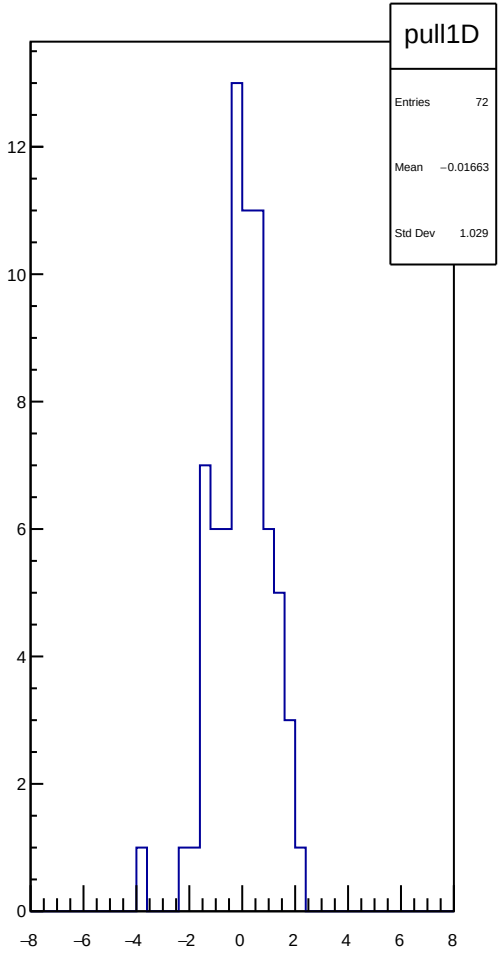

diff_bpm16X_rms vs run
χ² / ndf 1.109e+04 / 71
p0 1.848e+04 ± 15.63
22000
21000
20000
19000
18000
17000
16000
15000
14000

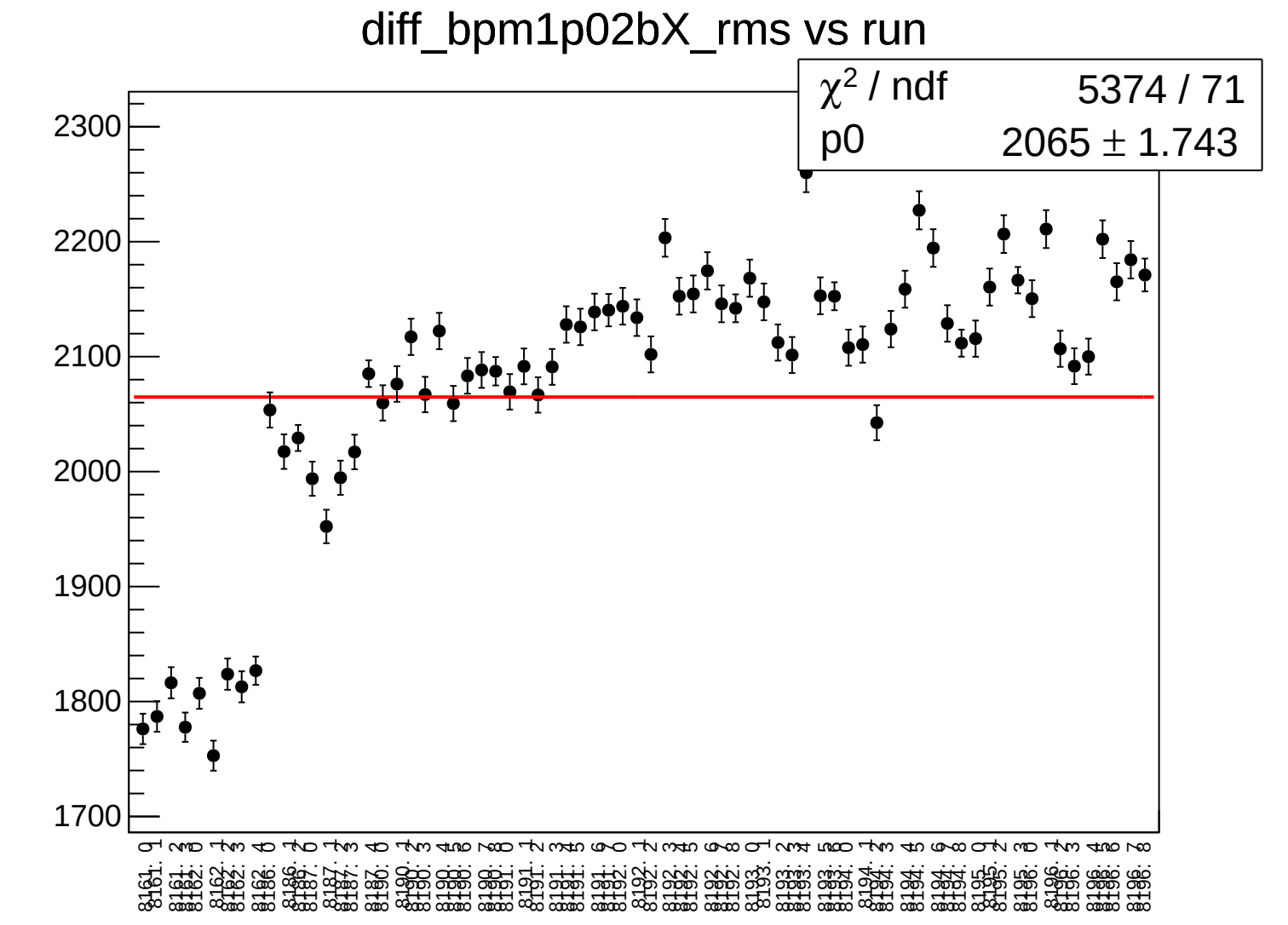

diff_bpm16Y_mean vs run
χ² / ndf 88.58 / 71
p0 −10.35 ± 4.233
pull
Entries 72
Mean 134
Std Dev 107.6

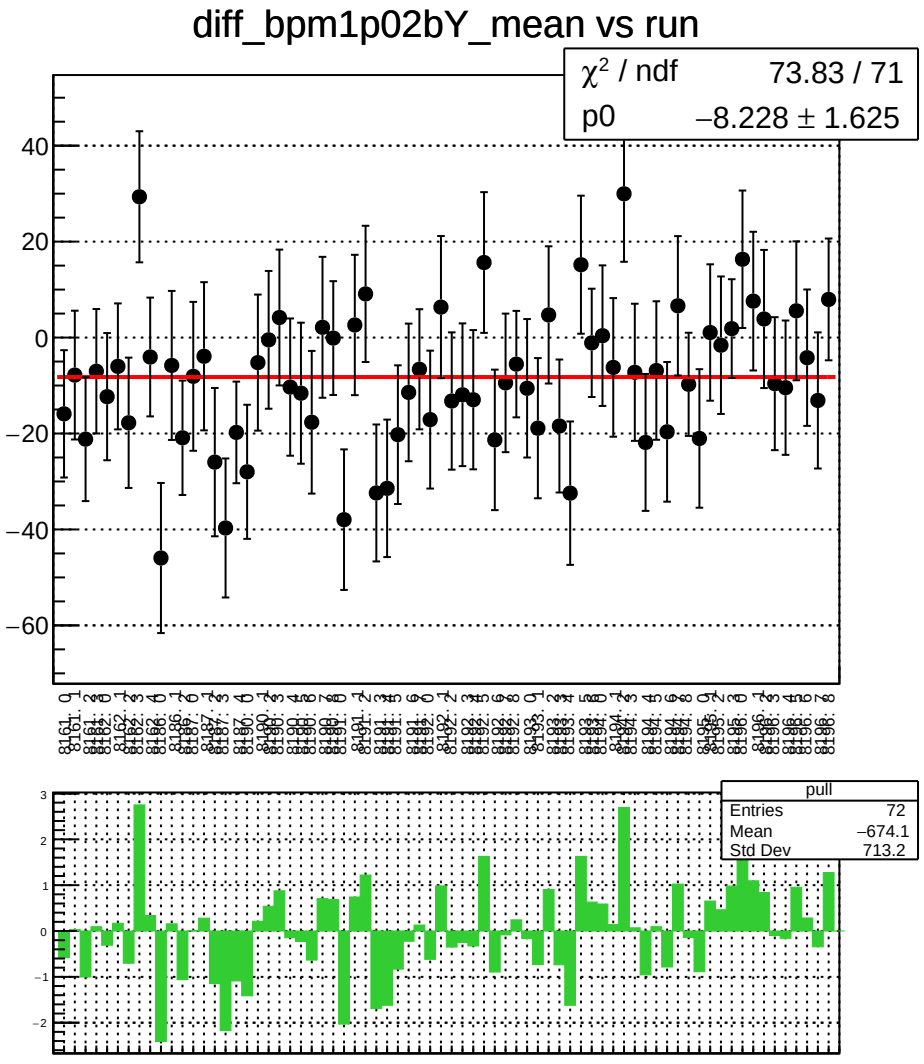

pull1D
Entries 72
Mean −0.01499
Std Dev 1.109

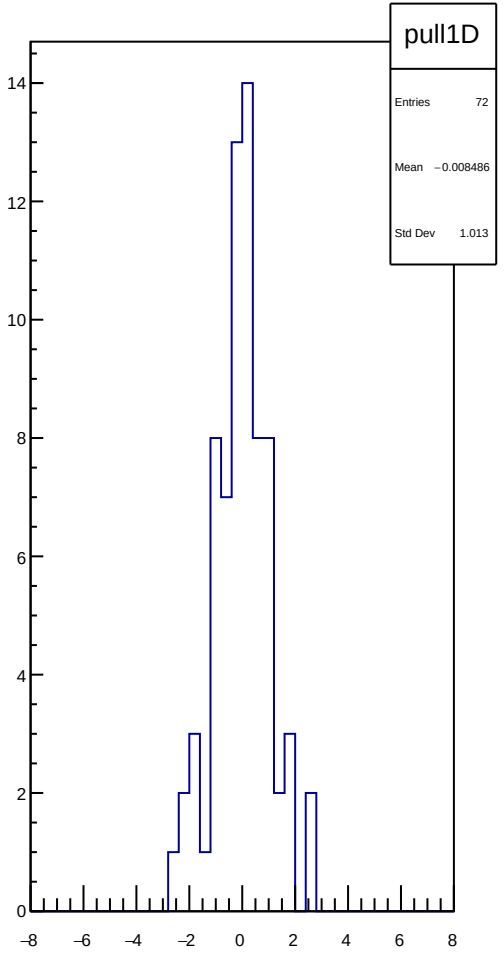

diff_bpm16Y_rms vs run
χ² / ndf 3.044e+04 / 71
p0 3515 ± 2.993
4500
4000
3500
3000
2500

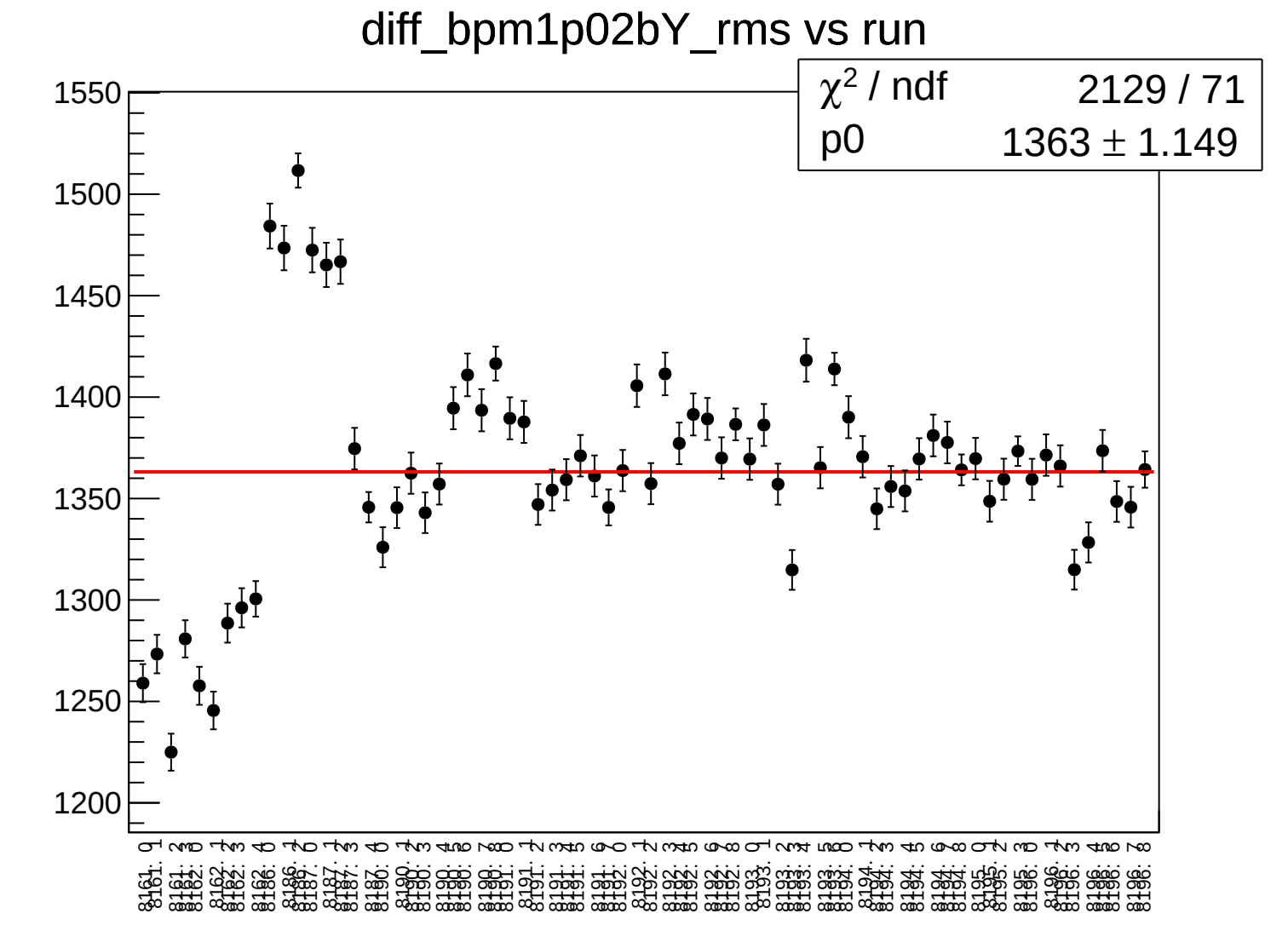

diff_bpm1p02bX_mean vs run
χ² / ndf 76.25 / 71
p0 3.886 ± 2.465
pull
Entries 72
Mean 208.7
Std Dev 164.9

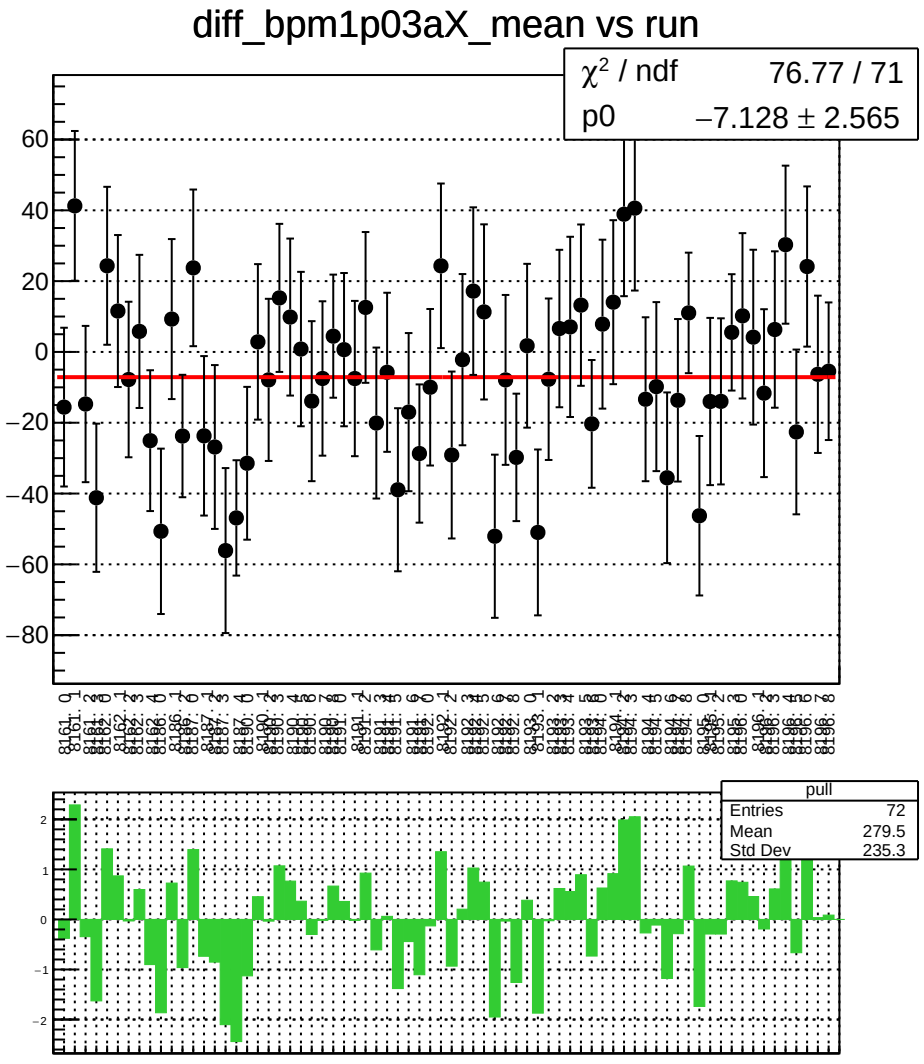

pull1D
Entries 72
Mean −0.01663
Std Dev 1.029

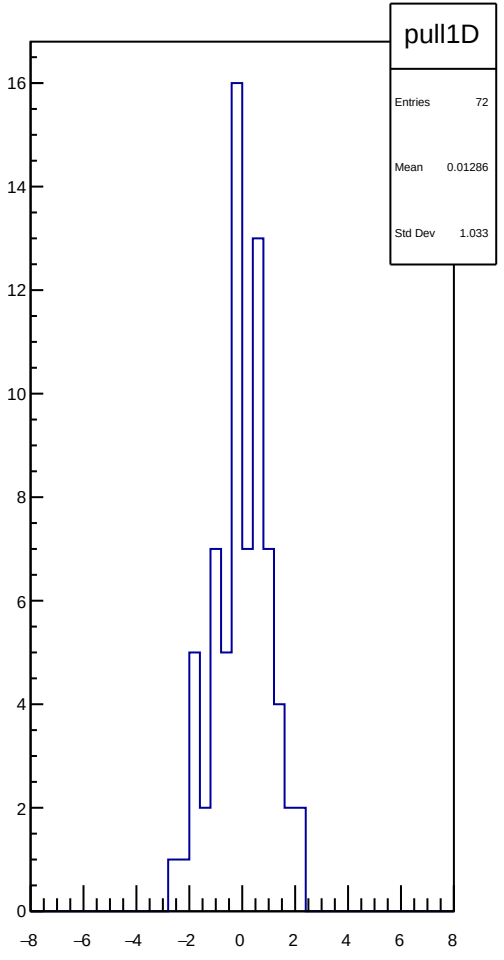

diff_bpm1p02bX_rms vs run
χ² / ndf 5374 / 71
p0 2065 ± 1.743
2300
2200
2100
2000
1900
1800
1700

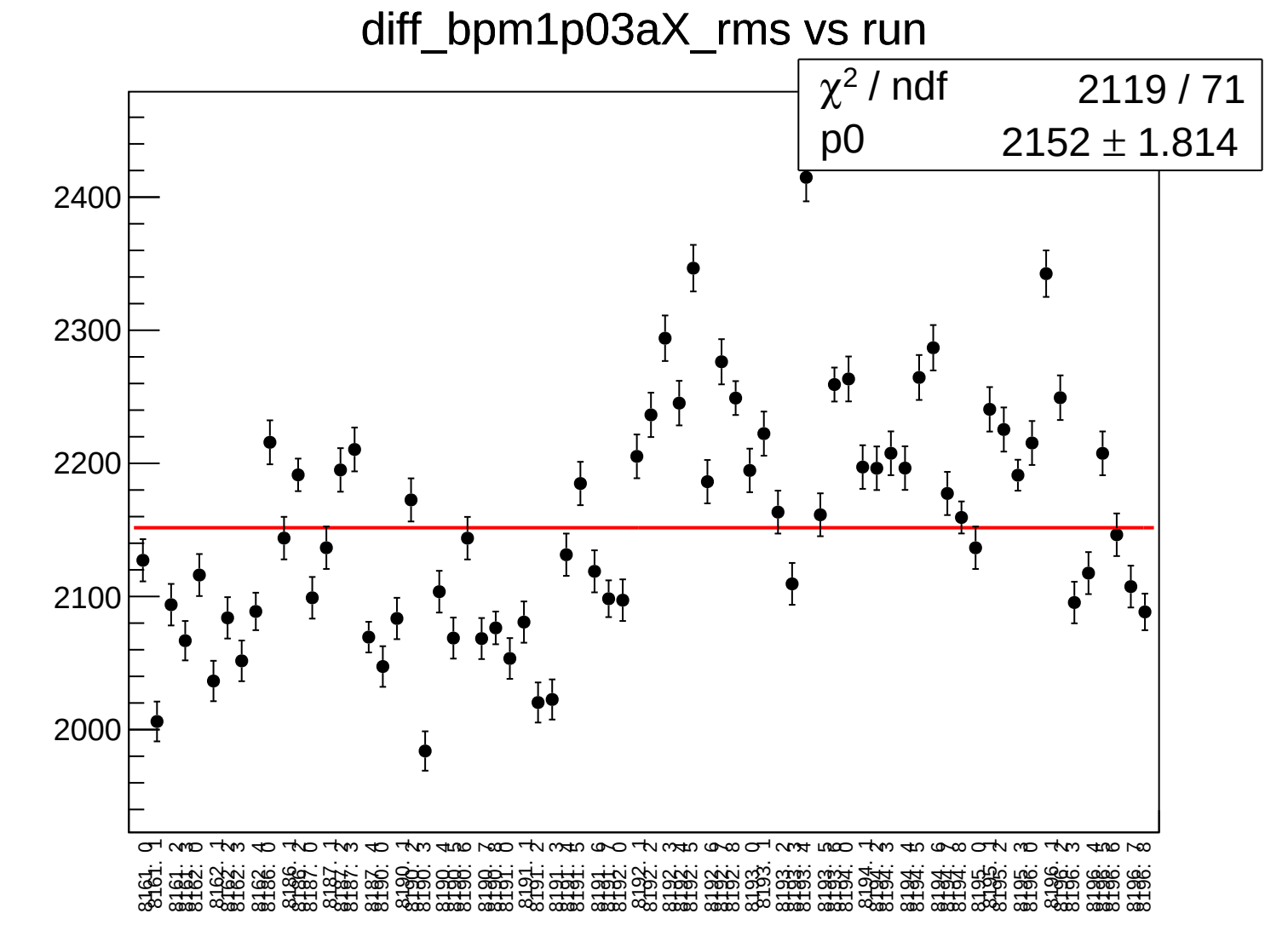

diff_bpm1p02bY_mean vs run
χ² / ndf 73.83 / 71
p0 −8.228 ± 1.625
pull
Entries 72
Mean −674.1
Std Dev 713.2

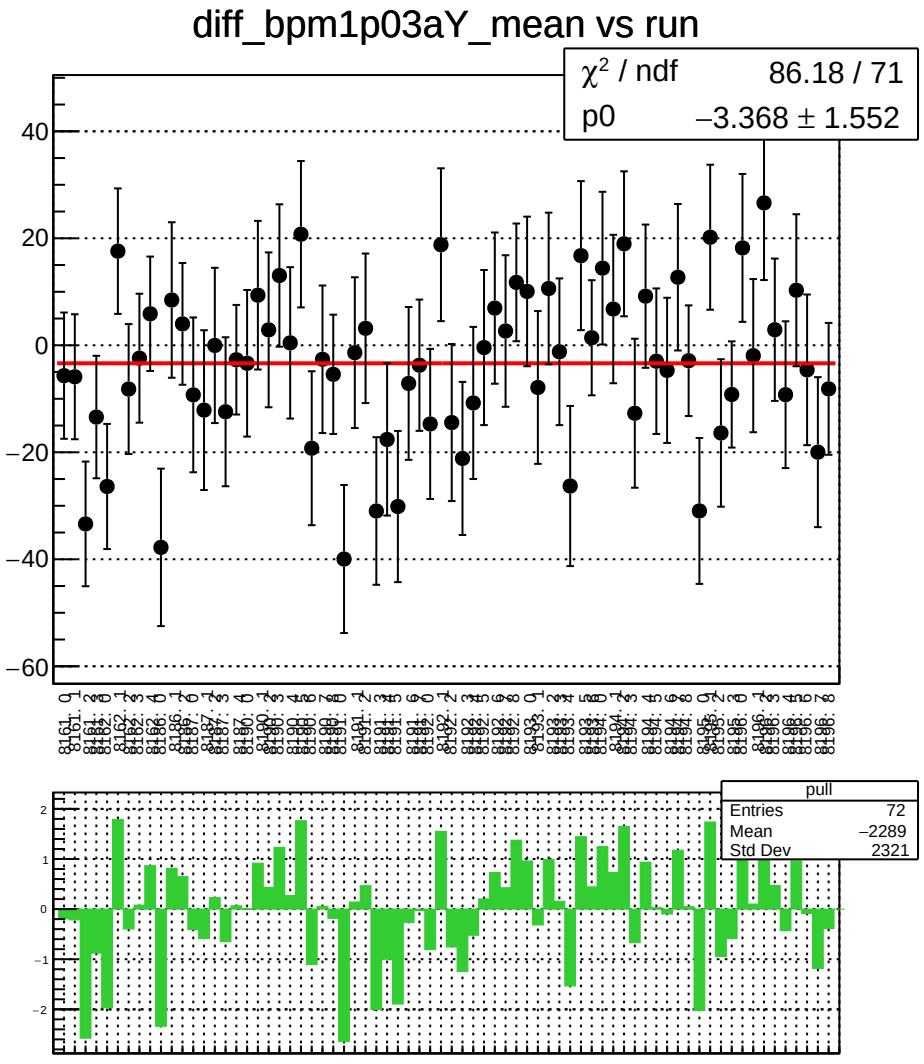

pull1D
Entries 72
Mean −0.008486
Std Dev 1.013

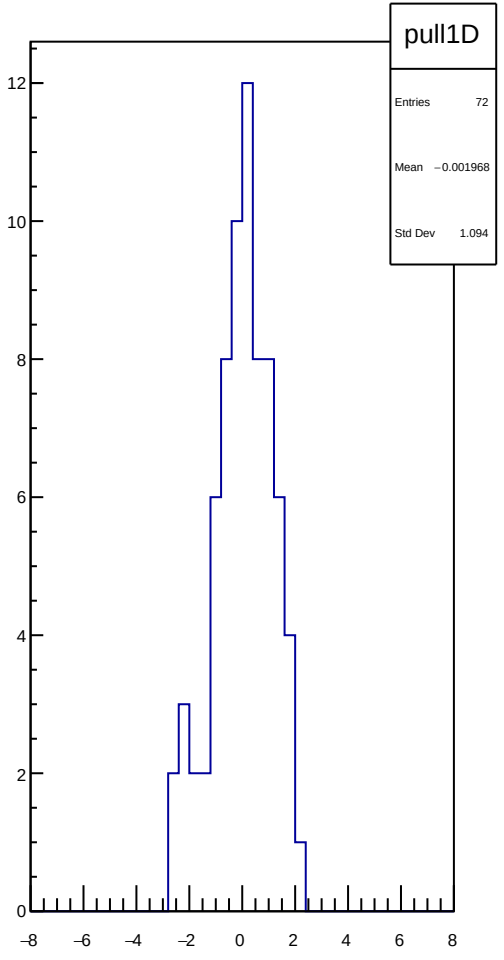

diff_bpm1p02bY_rms vs run
χ² / ndf 2129 / 71
p0 1363 ± 1.149
1550
1500
1450
1400
1350
1300
1250
1200

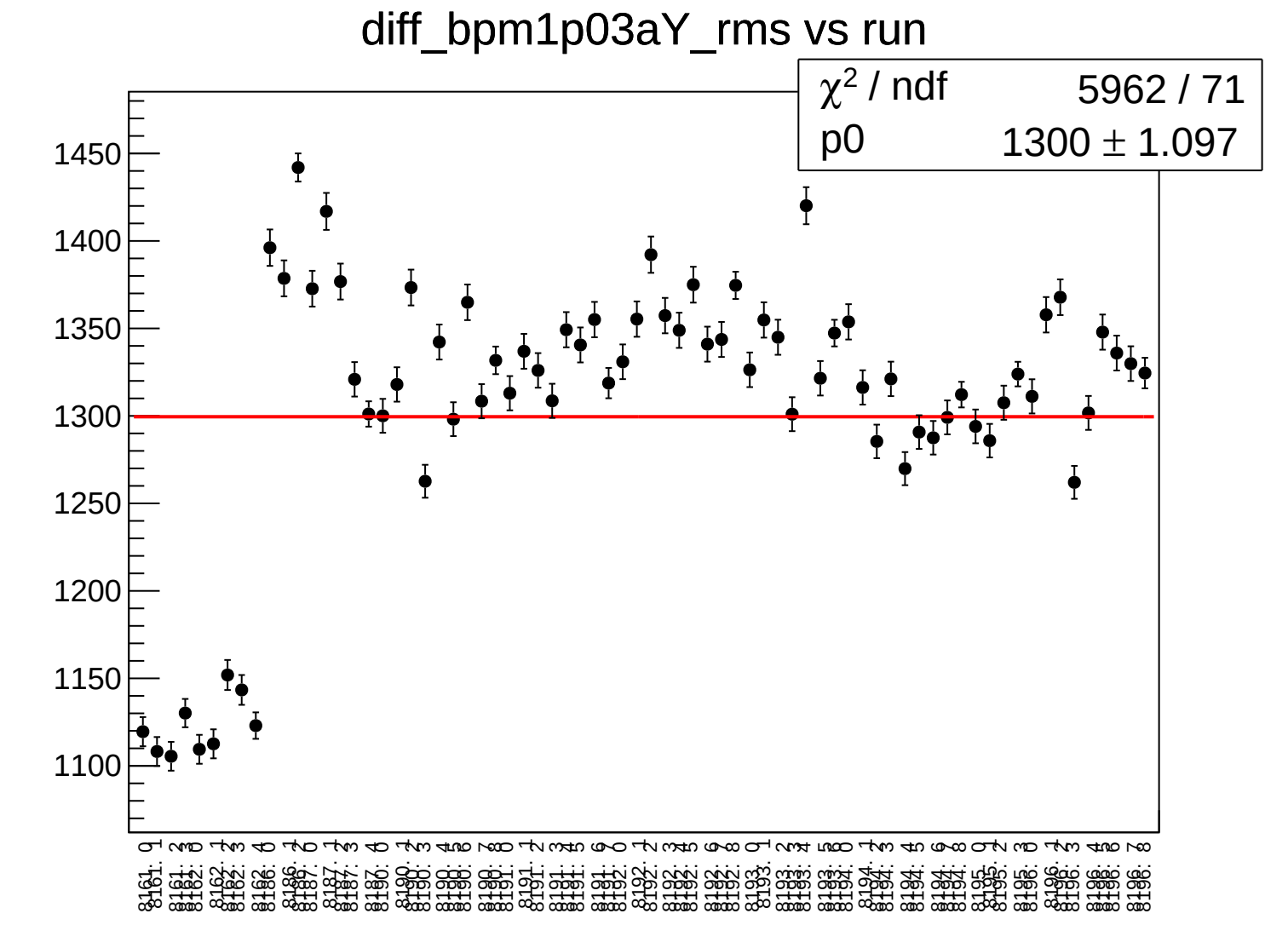

diff_bpm1p03aX_mean vs run
χ² / ndf 76.77 / 71
p0 −7.128 ± 2.565
pull
Entries 72
Mean 279.5
Std Dev 235.3

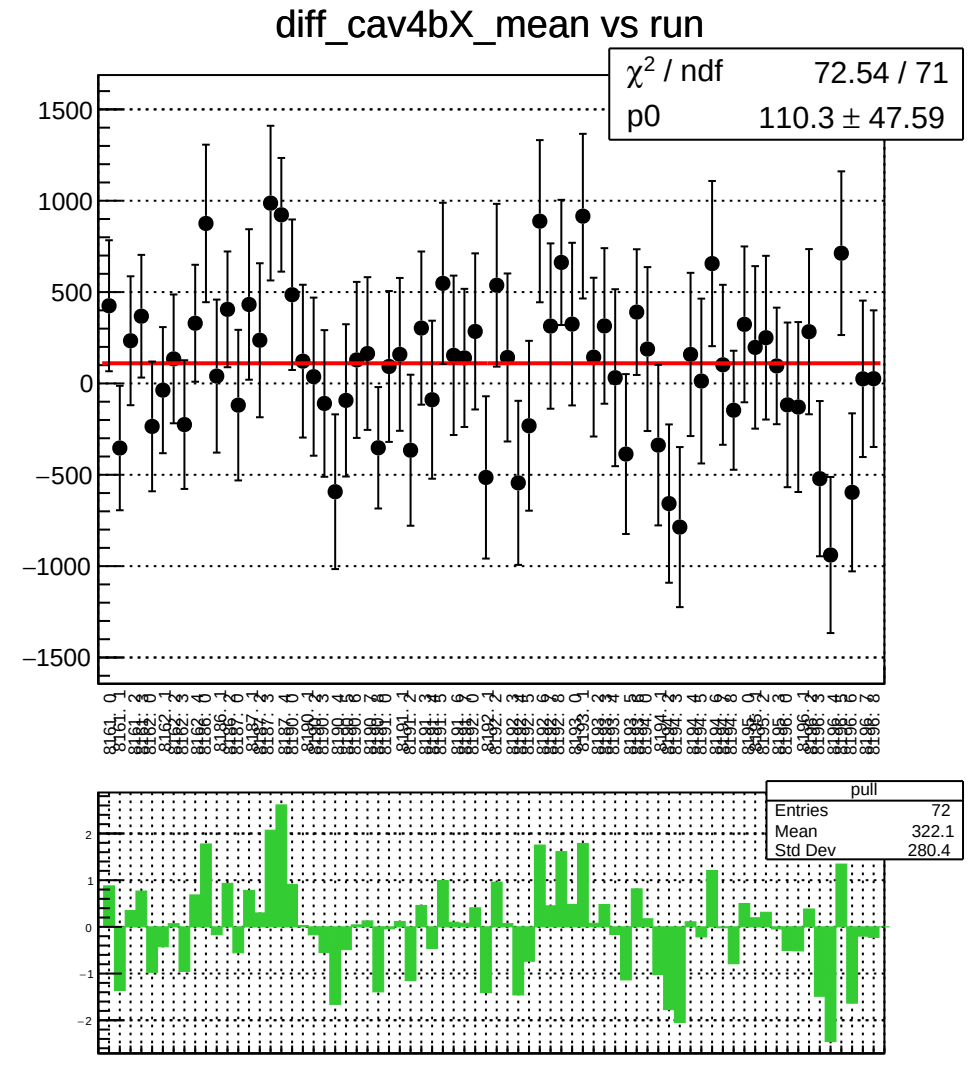

pull1D
Entries 72
Mean 0.01286
Std Dev 1.033

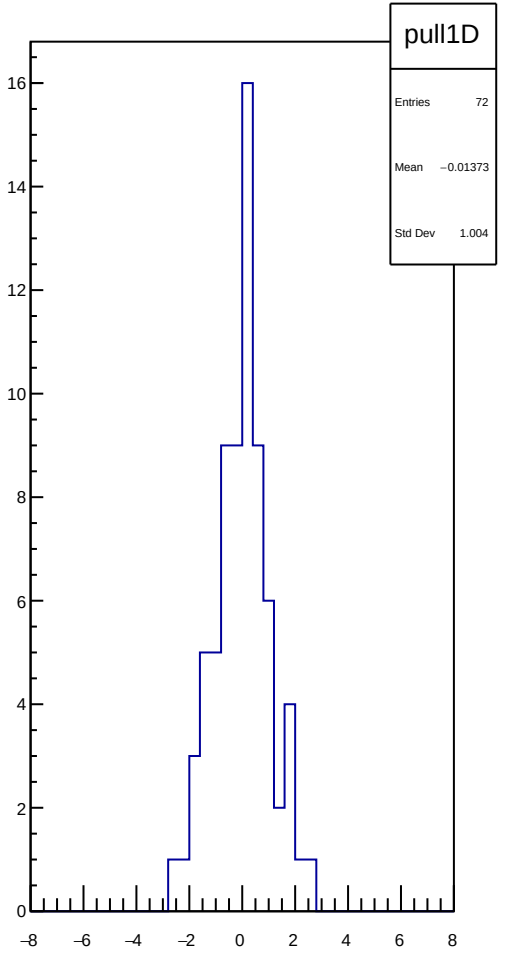

diff_bpm1p03aX_rms vs run
χ² / ndf 2119 / 71
p0 2152 ± 1.814
2400
2300
2200
2100
2000

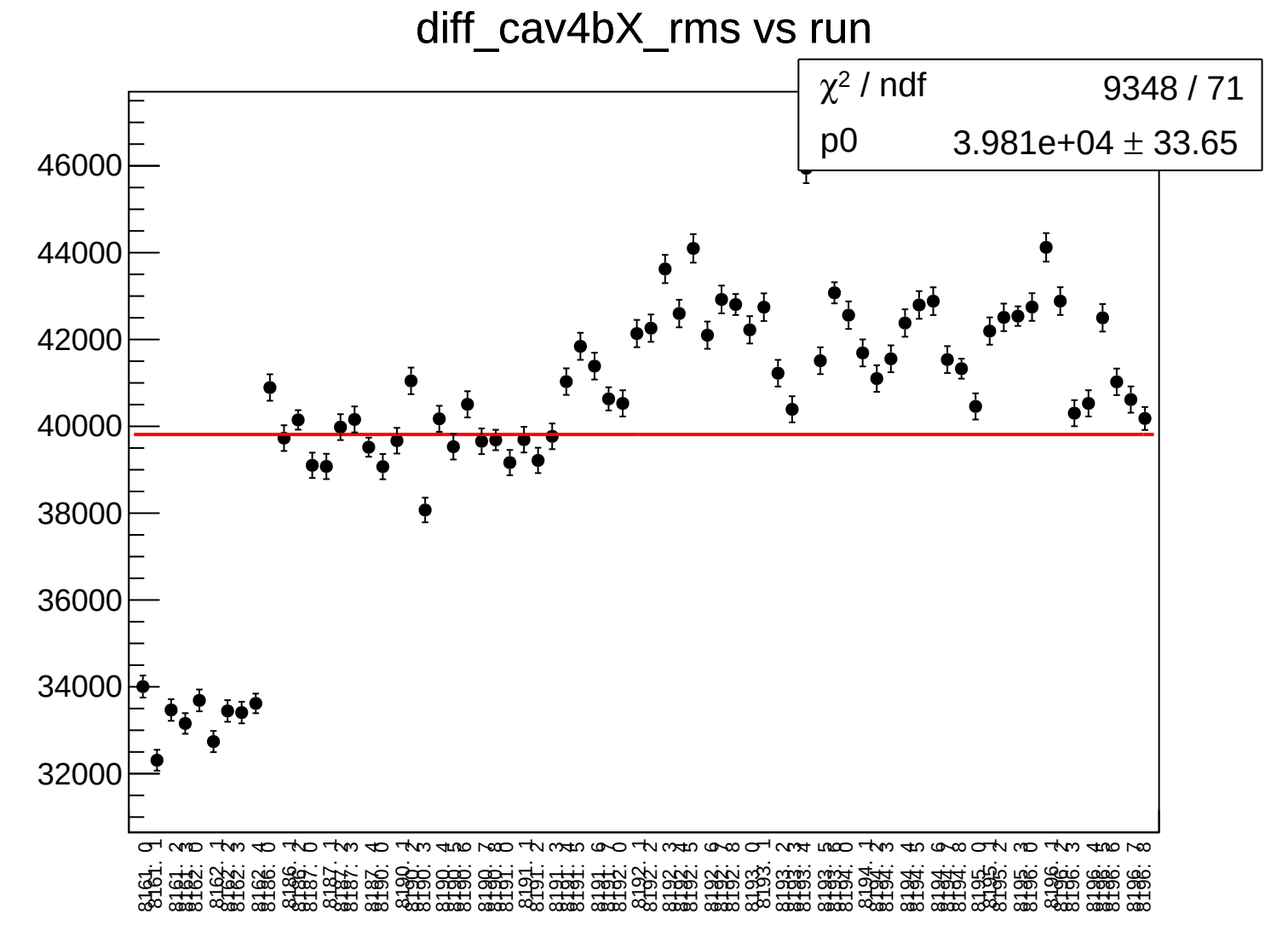

diff_bpm1p03aY_mean vs run
χ² / ndf 86.18 / 71
p0 −3.368 ± 1.552
pull
Entries 72
Mean −2289
Std Dev 2321

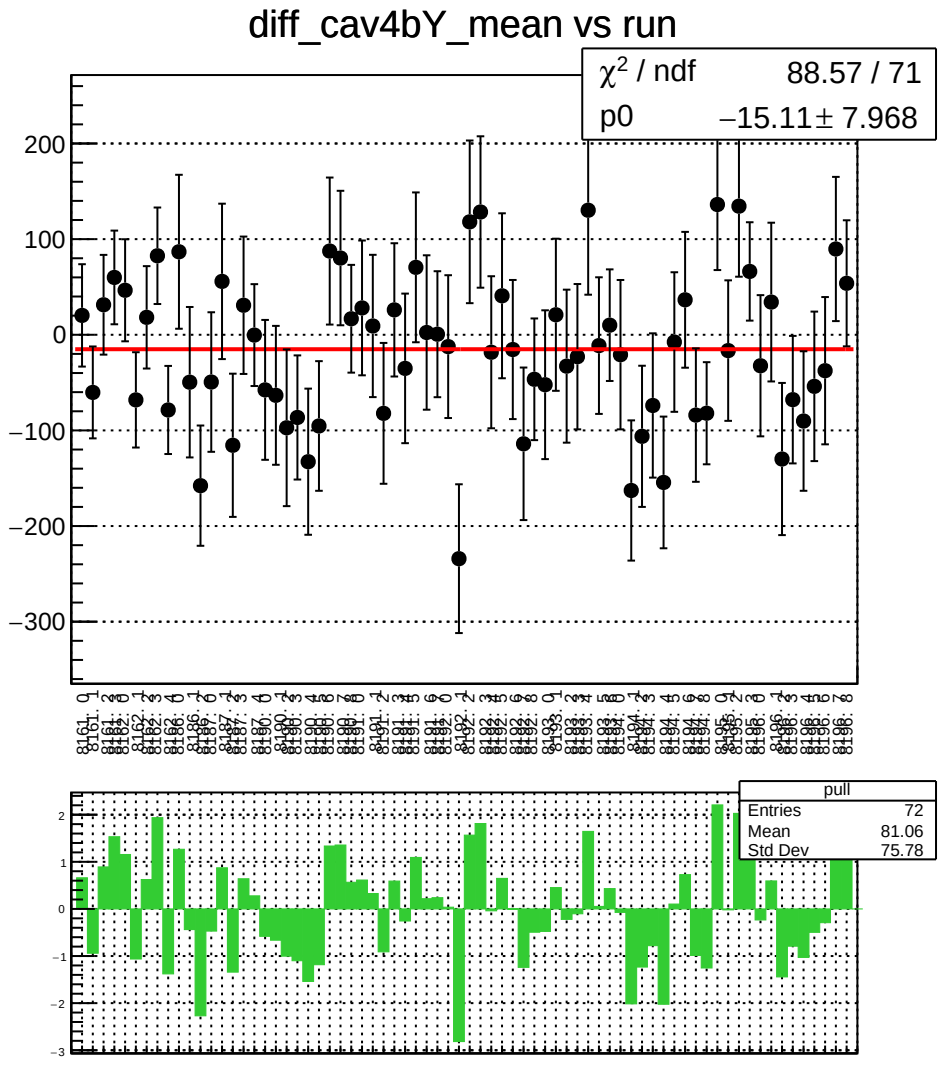

pull1D
Entries 72
Mean −0.001968
Std Dev 1.094

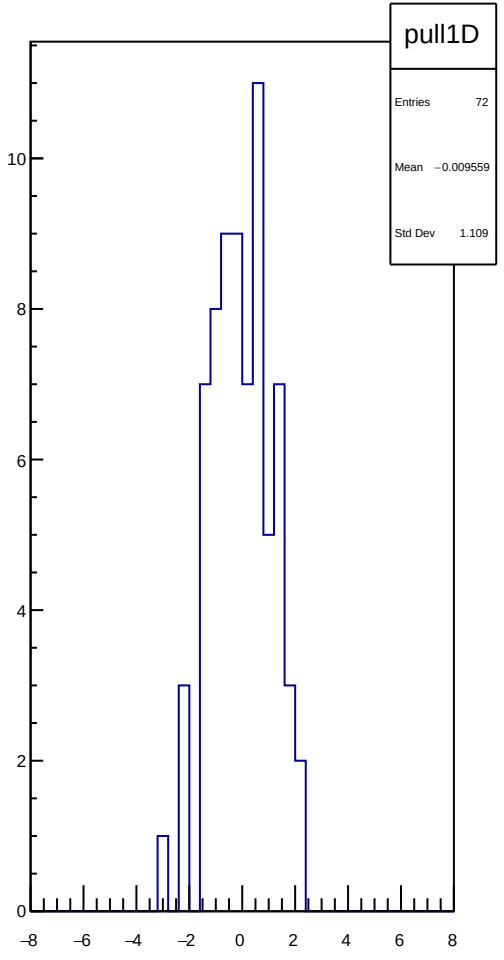

diff_bpm1p03aY_rms vs run
χ² / ndf 5962 / 71
p0 1300 ± 1.097
1450
1400
1350
1300
1250
1200
1150
1100

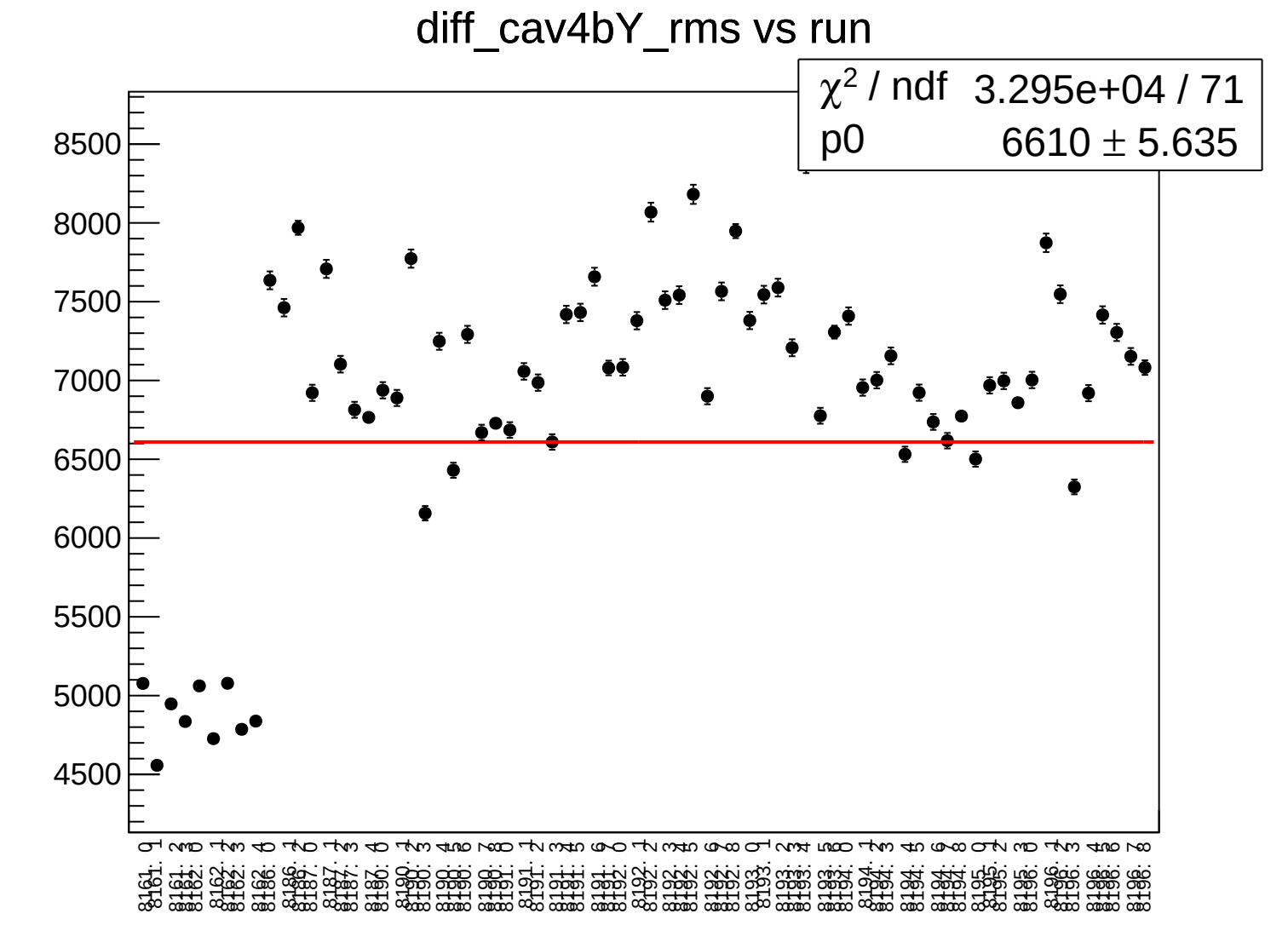

diff_cav4bX_mean vs run
χ² / ndf 72.54 / 71
p0 110.3 ± 47.59
pull
Entries 72
Mean 322.1
Std Dev 280.4

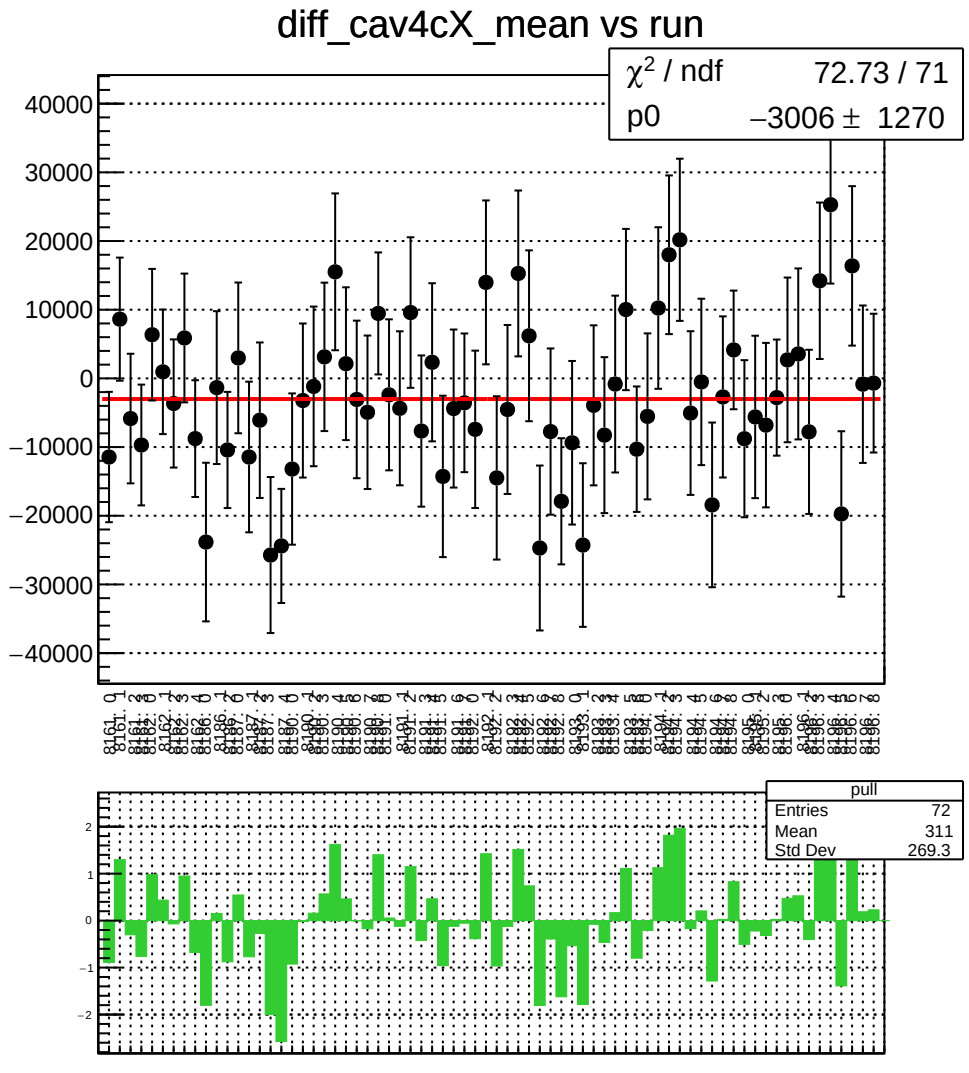

pull1D
Entries 72
Mean −0.01373
Std Dev 1.004

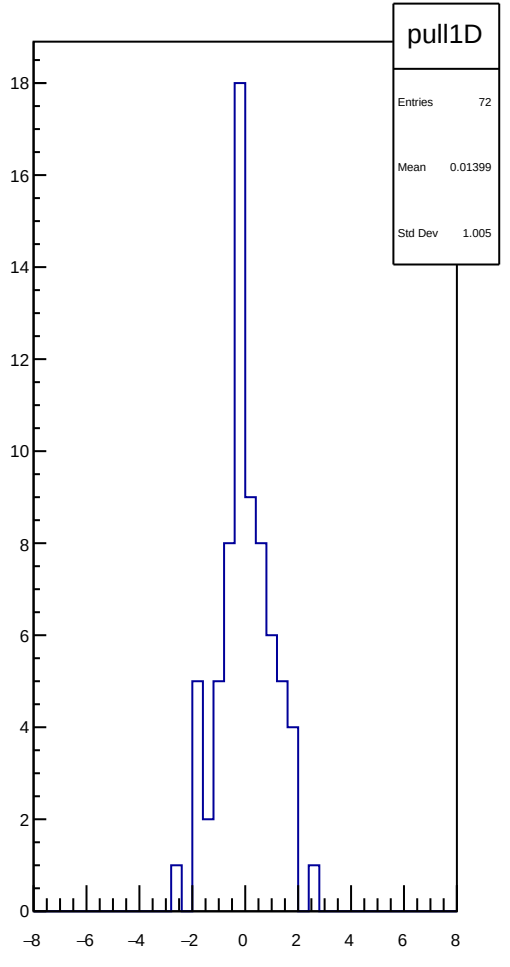

diff_cav4bX_rms vs run
χ² / ndf 9348 / 71
p0 3.981e+04 ± 33.65
46000
44000
42000
40000
38000
36000
34000
32000

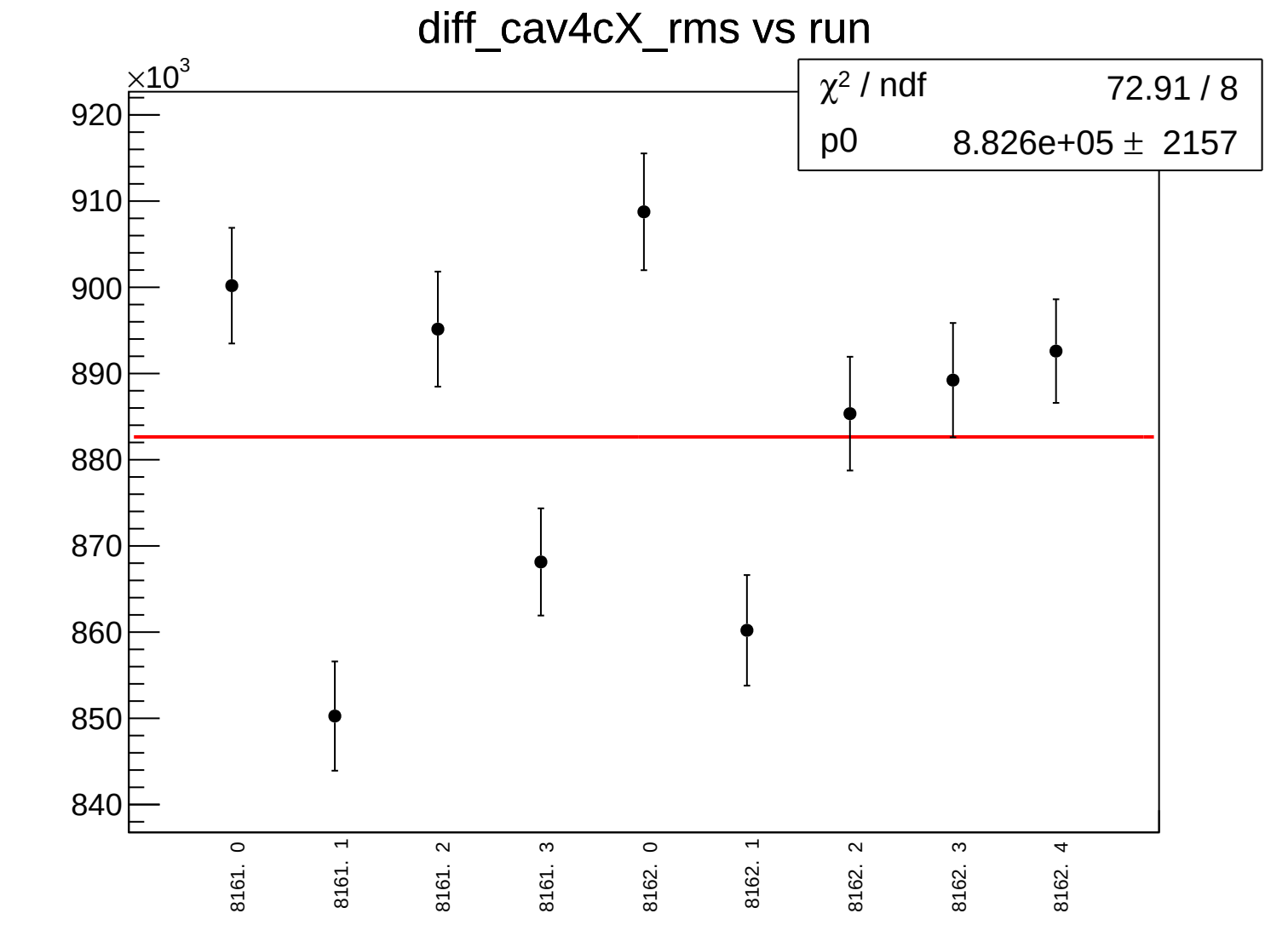

diff_cav4bY_mean vs run
χ² / ndf 88.57 / 71
p0 −15.11± 7.968
pull
Entries 72
Mean 81.06
Std Dev 75.78

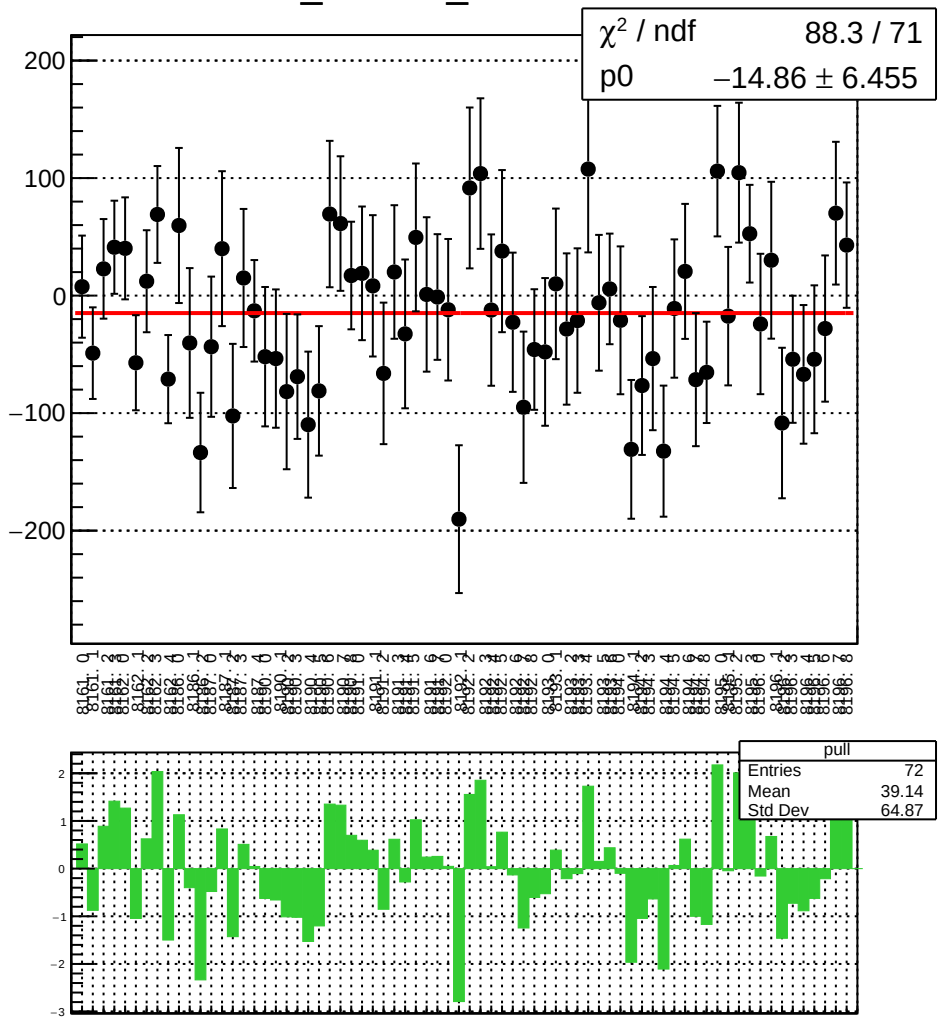

pull1D
Entries 72
Mean −0.009559
Std Dev 1.109

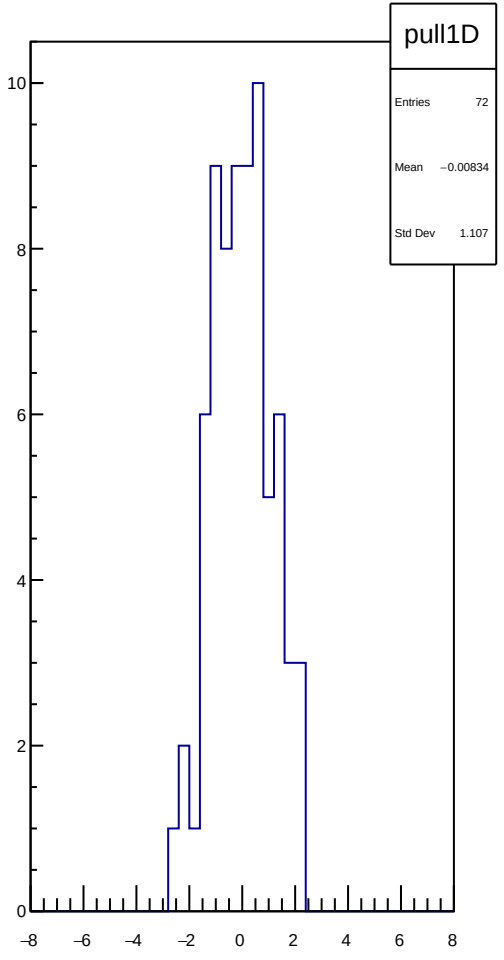

diff_cav4bY_rms vs run
χ² / ndf 3.295e+04 / 71
p0 6610 ± 5.635
8500
8000
7500
7000
6500
6000
5500
5000
4500

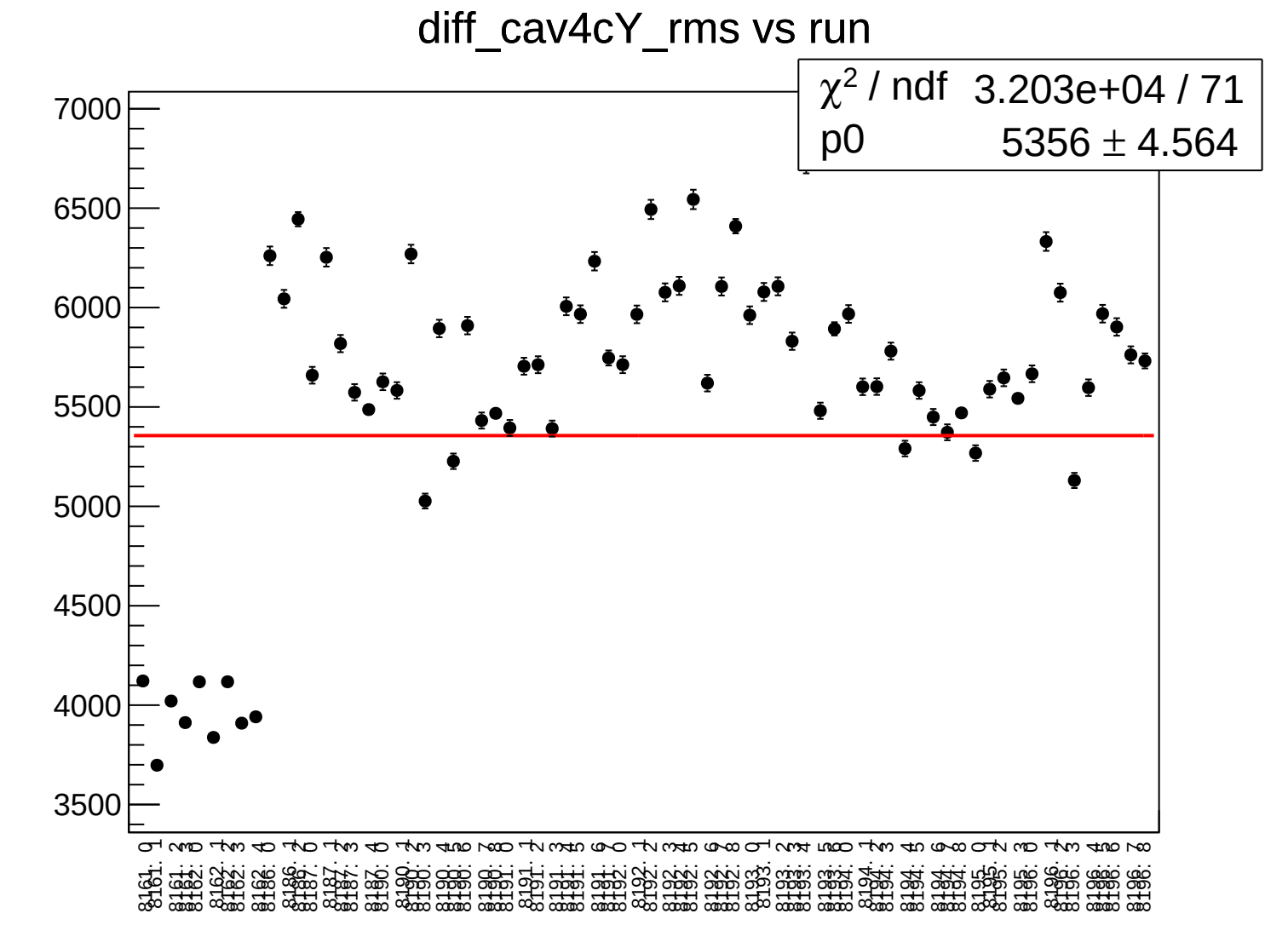

diff_cav4cX_mean vs run
χ² / ndf 72.73 / 71
p0 −3006 ± 1270
pull
Entries 72
Mean 311
Std Dev 269.3

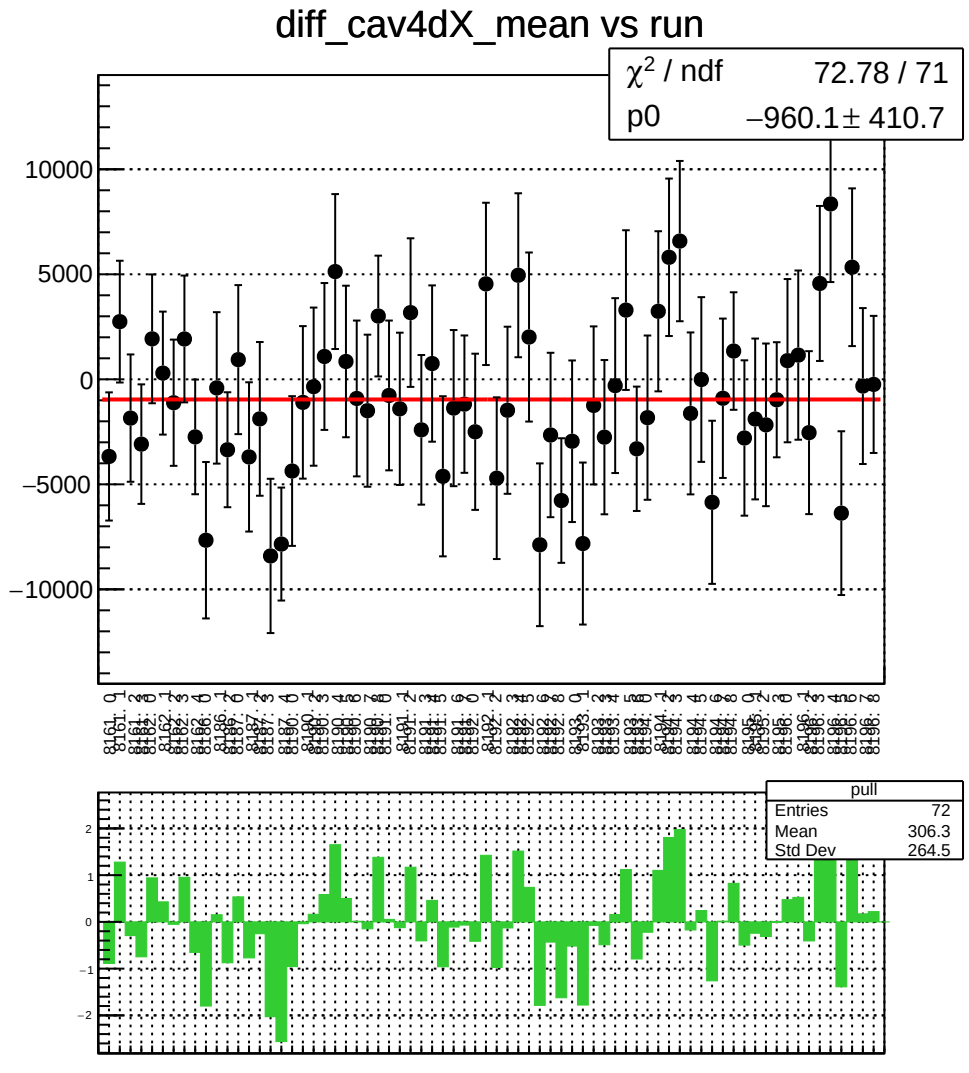

pull1D
Entries 72
Mean 0.01399
Std Dev 1.005

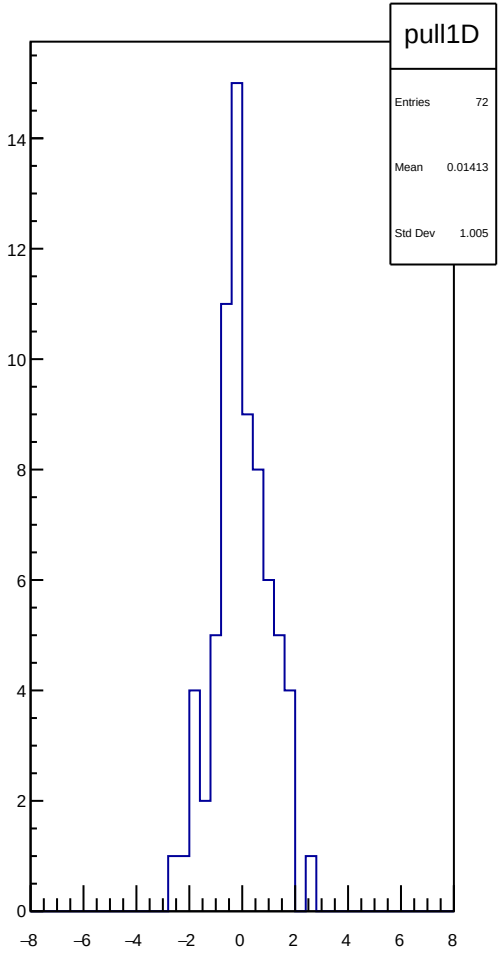

diff_cav4cX_rms vs run
×10^3
920
910
900
890
880
870
860
850
840
χ² / ndf 72.91 / 8
p0 8.826e+05 ± 2157
8161. 0
8161. 1
8161. 2
8161. 3
8162. 0
8162. 1
8162. 2
8162. 3
8162. 4

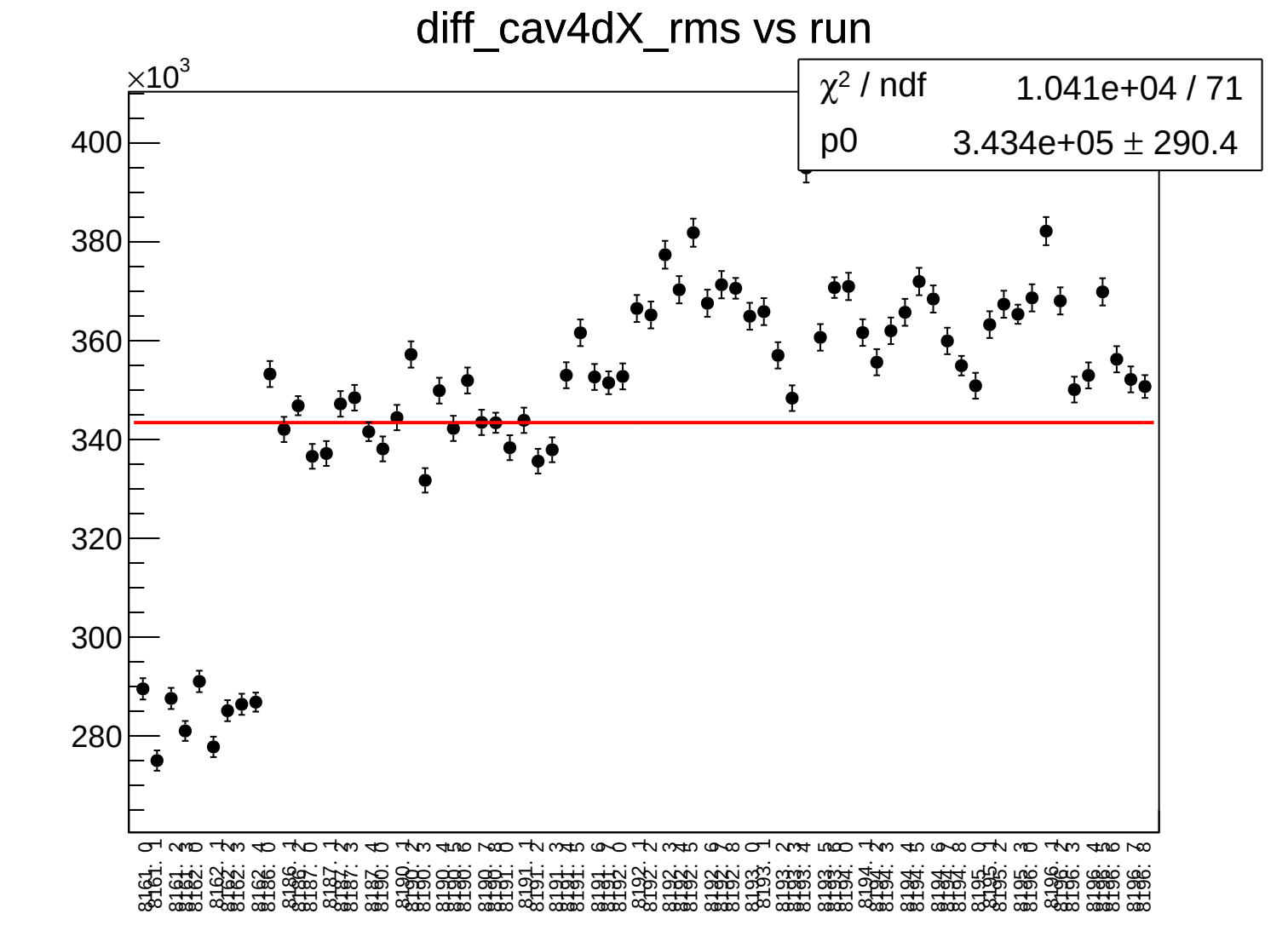

diff_cav4cY_mean vs run
χ² / ndf 88.3 / 71
p0 −14.86 ± 6.455
pull
Entries 72
Mean 39.14
Std Dev 64.87

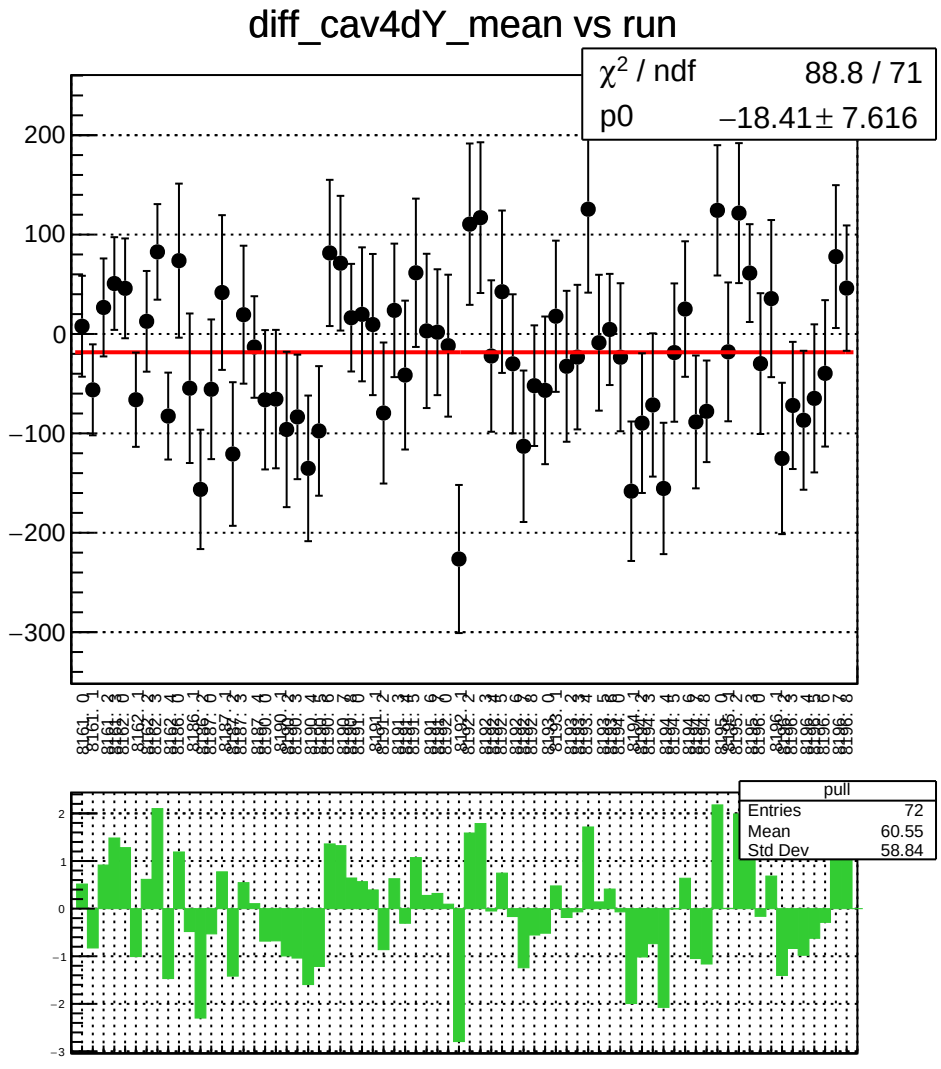

pull1D
Entries 72
Mean −0.00834
Std Dev 1.107

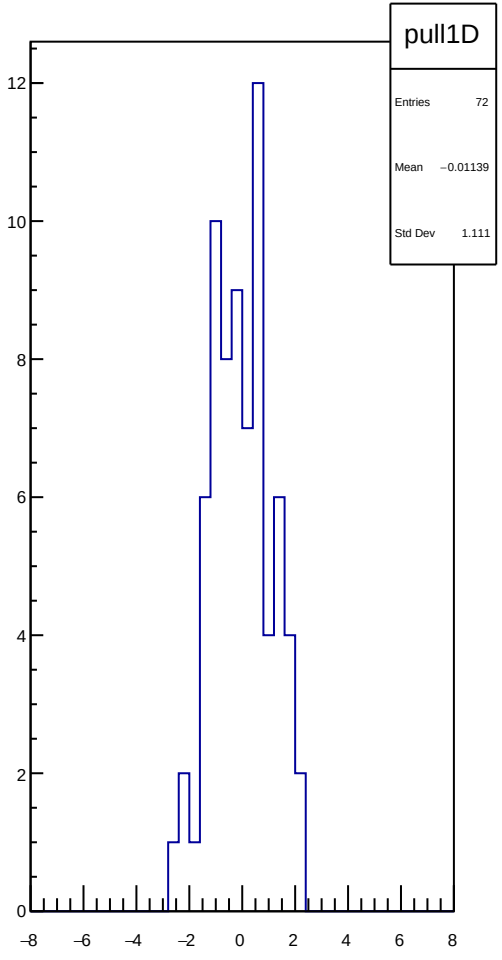

diff_cav4cY_rms vs run
χ² / ndf 3.203e+04 / 71
p0 5356 ± 4.564
7000
6500
6000
5500
5000
4500
4000
3500

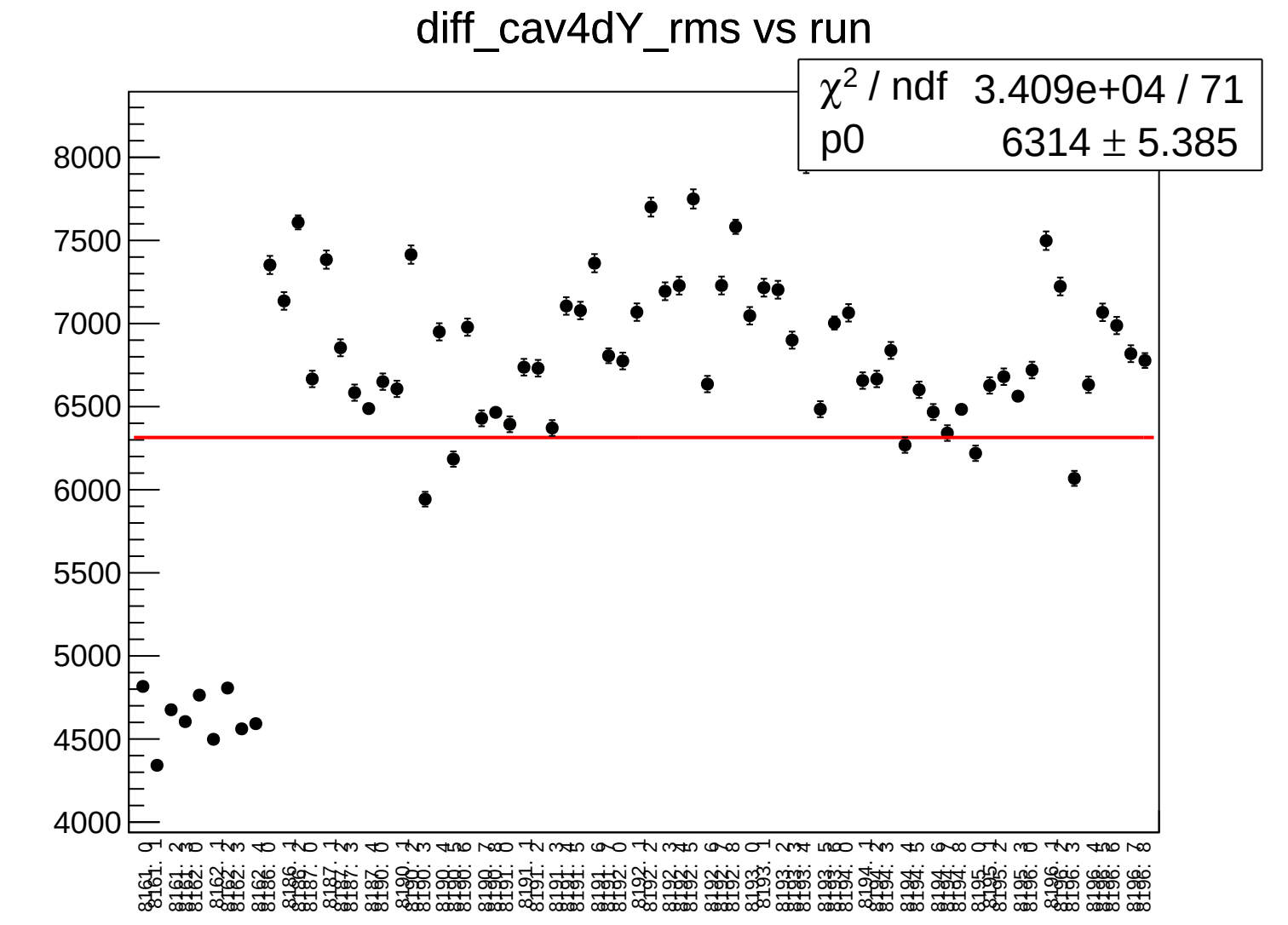

diff_cav4dX_mean vs run
χ² / ndf 72.78 / 71
p0 −960.1 ± 410.7
10000
5000
0
−5000
−10000
pull
Entries 72
Mean 306.3
Std Dev 264.5
2
1
0
−1
−2

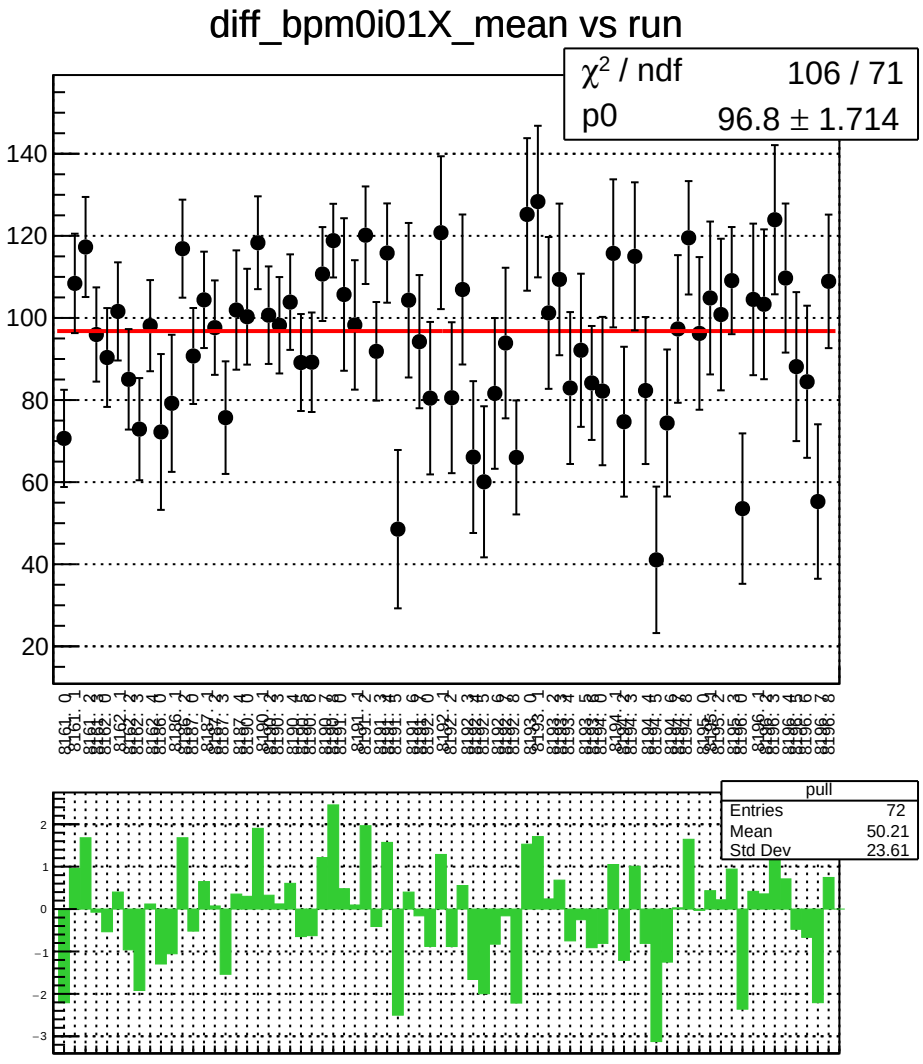

pull1D
Entries 72
Mean 0.01413
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

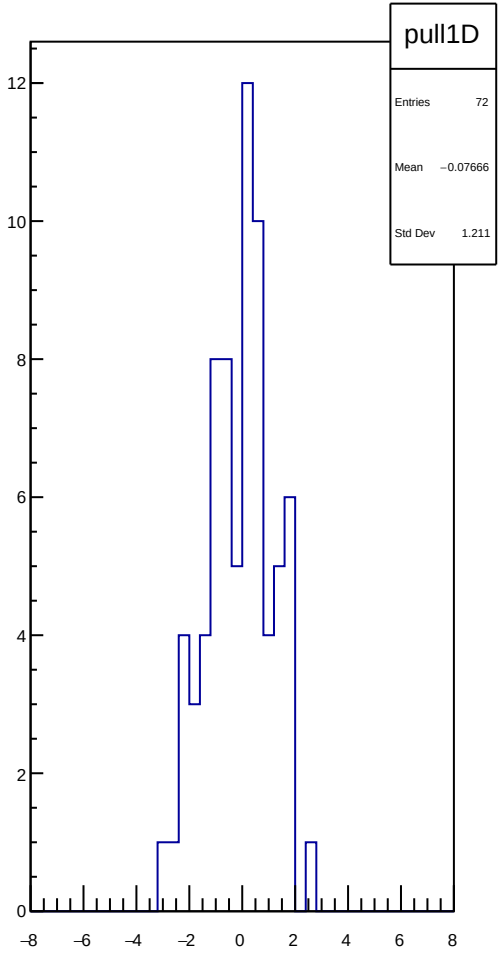

diff_cav4dX_rms vs run
×10^3
400
380
360
340
320
300
280
χ² / ndf 1.041e+04 / 71
p0 3.434e+05 ± 290.4

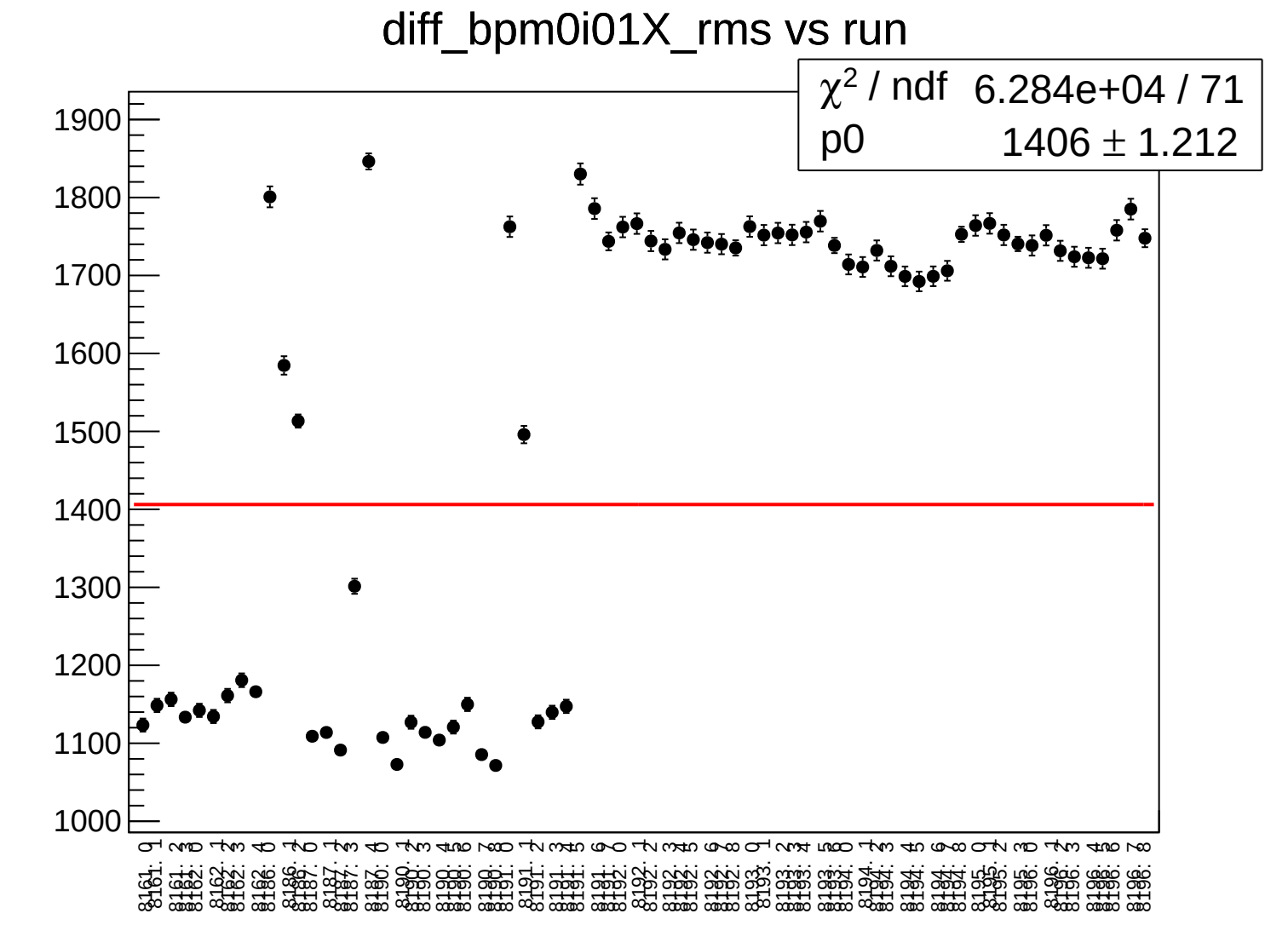

diff_cav4dY_mean vs run
χ² / ndf 88.8 / 71
p0 −18.41± 7.616
pull
Entries 72
Mean 60.55
Std Dev 58.84

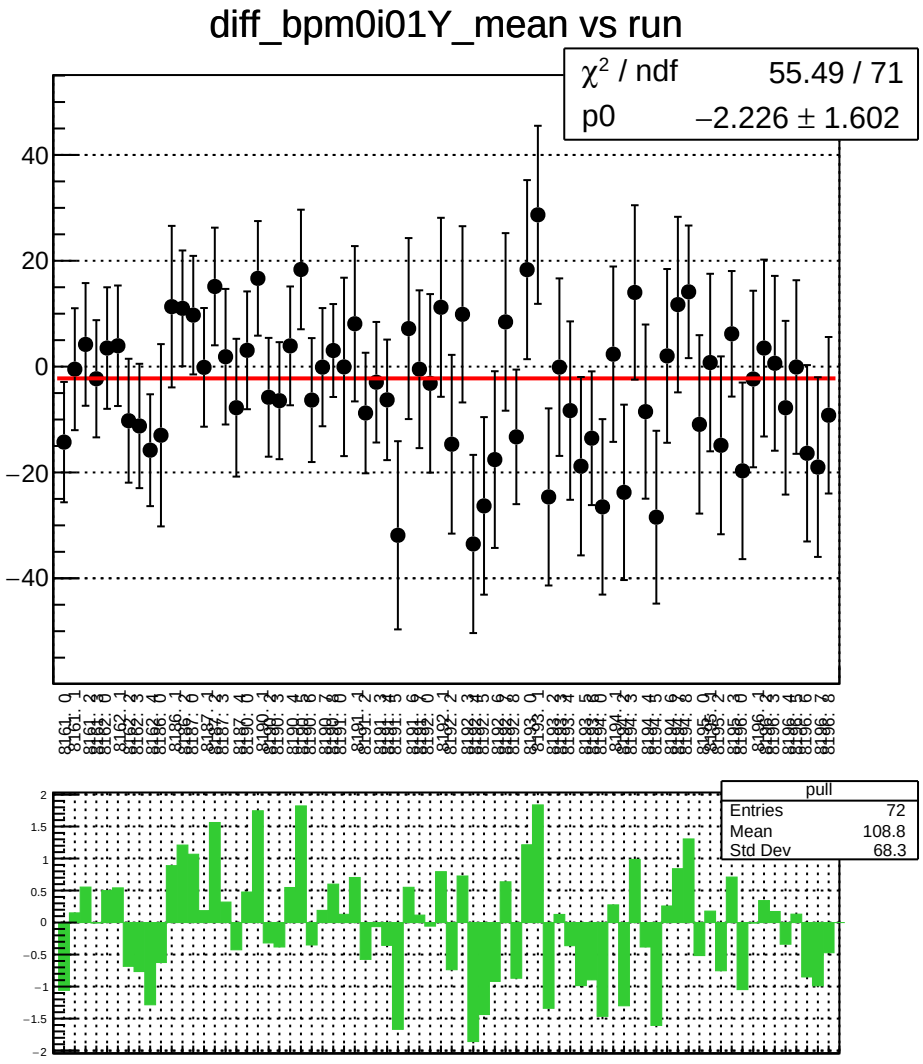

pull1D
Entries 72
Mean −0.01139
Std Dev 1.111

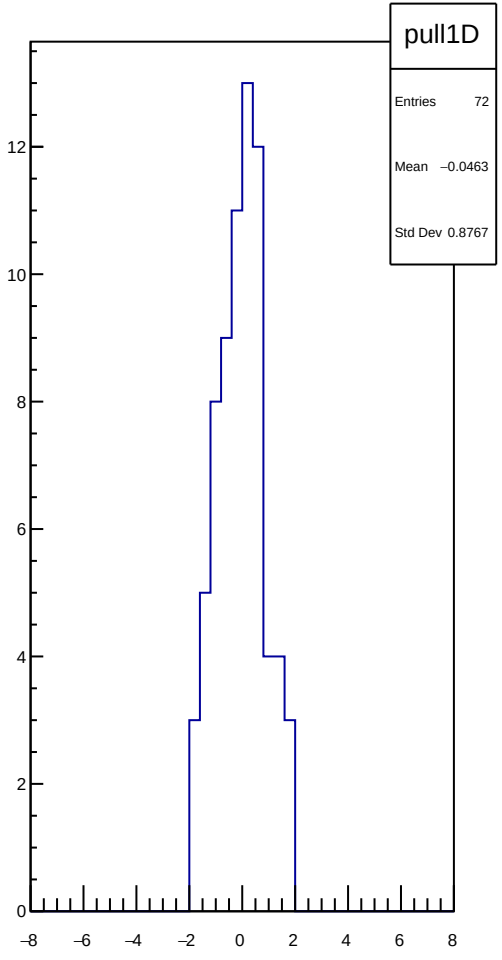

diff_cav4dY_rms vs run
χ² / ndf 3.409e+04 / 71
p0 6314 ± 5.385
8000
7500
7000
6500
6000
5500
5000
4500
4000

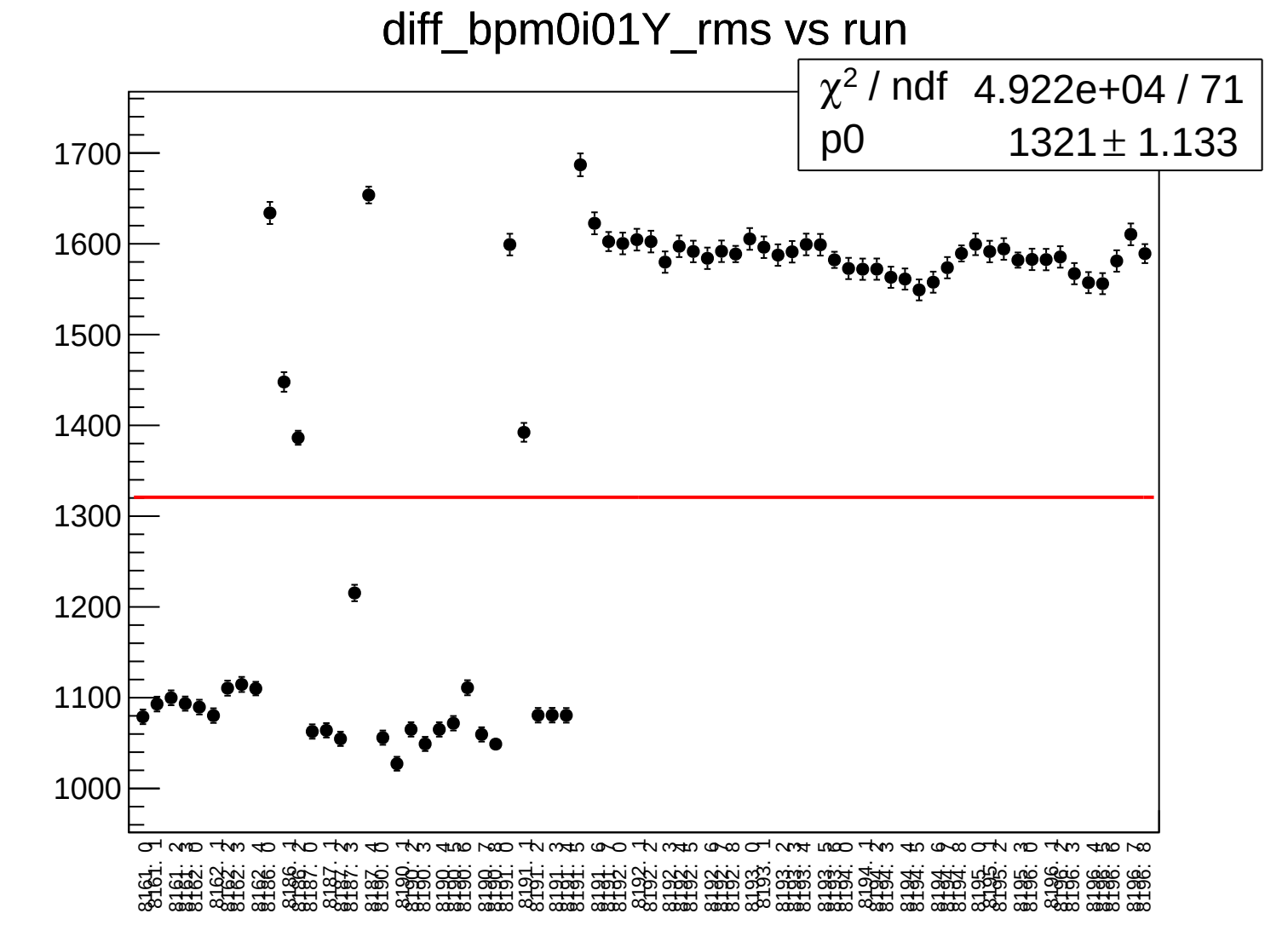

diff_bpm0i01X_mean vs run
χ² / ndf 106 / 71
p0 96.8 ± 1.714
pull
Entries 72
Mean 50.21
Std Dev 23.61

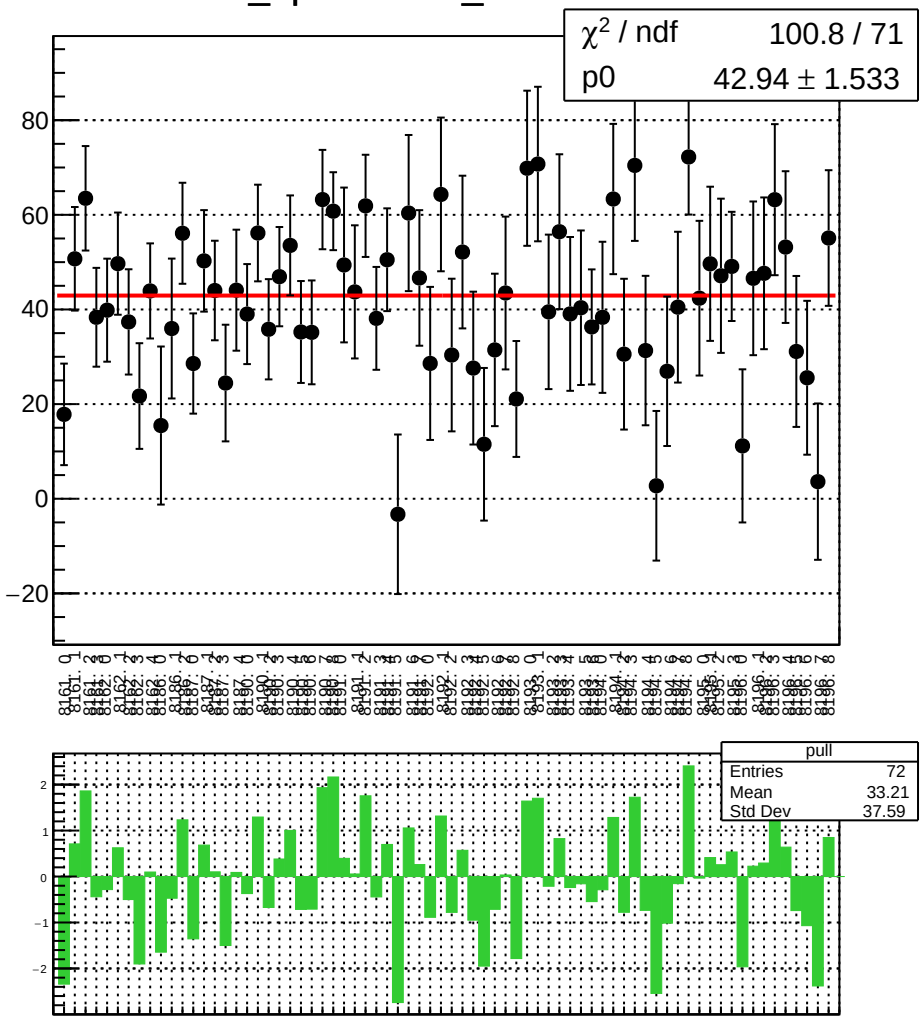

pull1D
Entries 72
Mean −0.07666
Std Dev 1.211

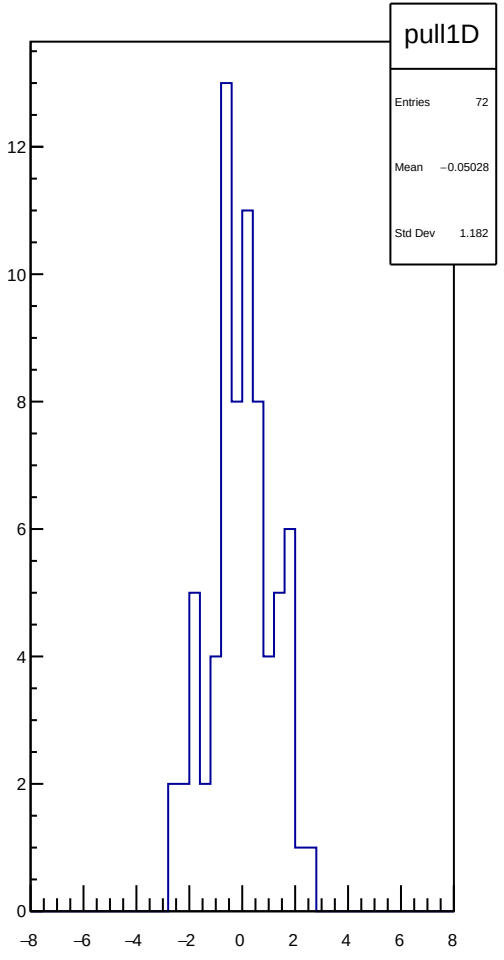

diff_bpm0i01X_rms vs run
χ² / ndf 6.284e+04 / 71
p0 1406 ± 1.212
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000

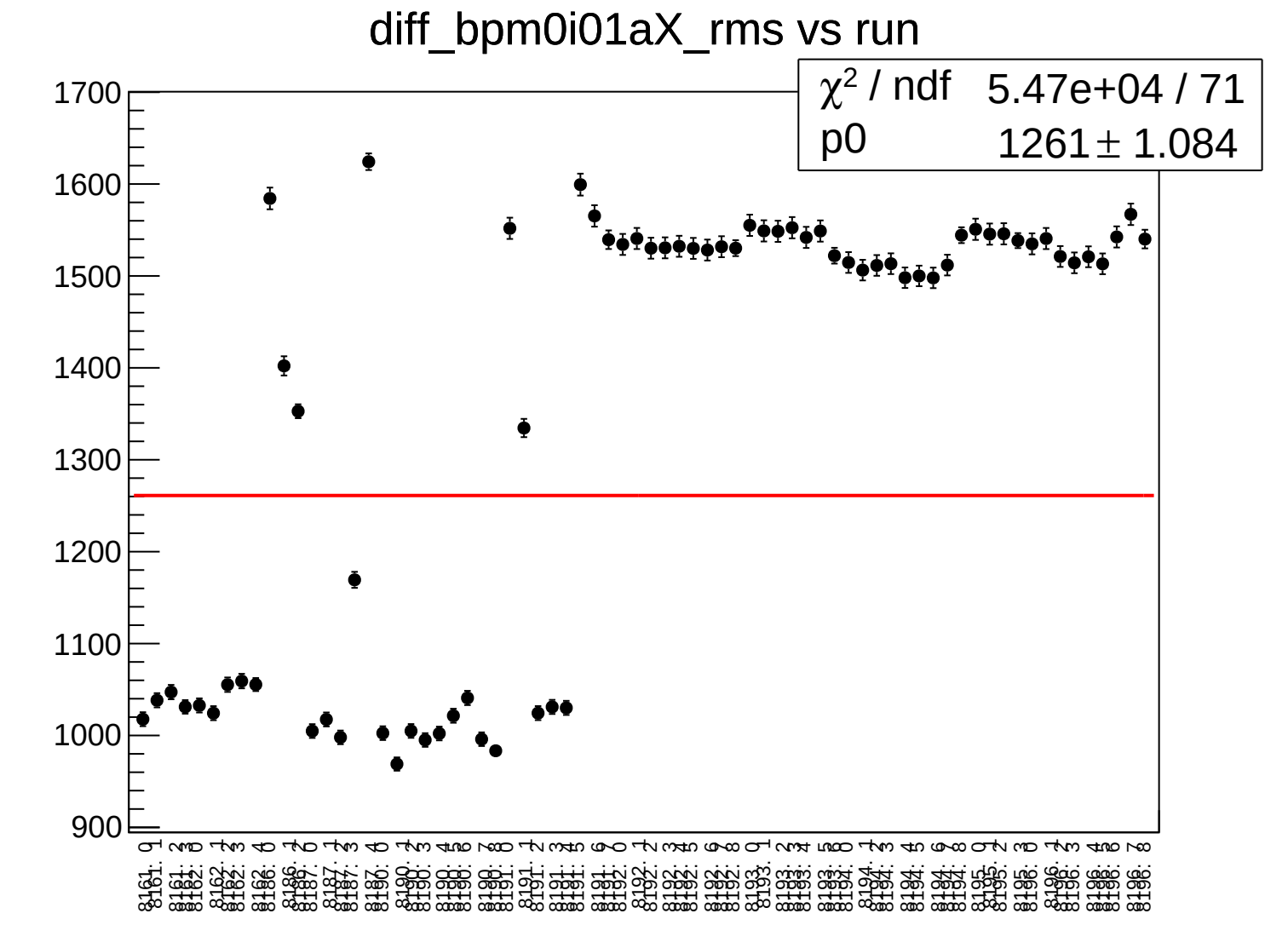

diff_bpm0i01Y_mean vs run
χ² / ndf 55.49 / 71
p0 −2.226 ± 1.602
pull
Entries 72
Mean 108.8
Std Dev 68.3

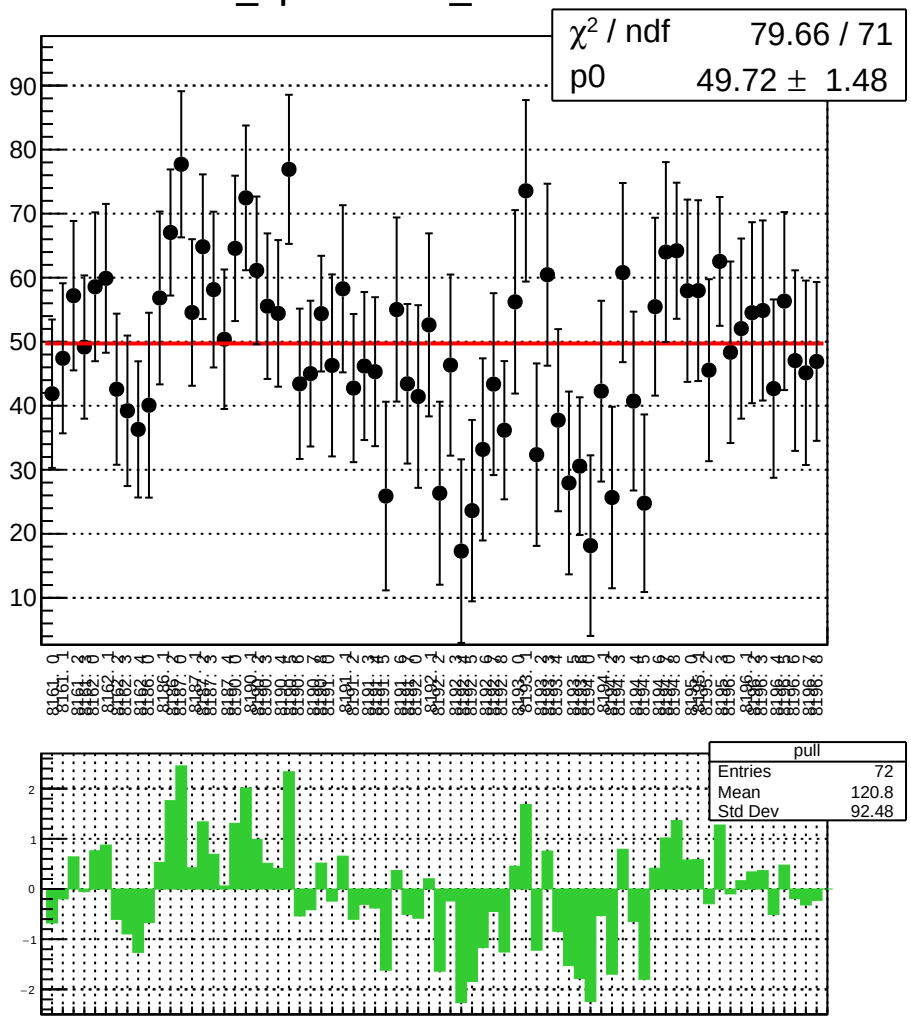

pull1D
Entries 72
Mean −0.0463
Std Dev 0.8767

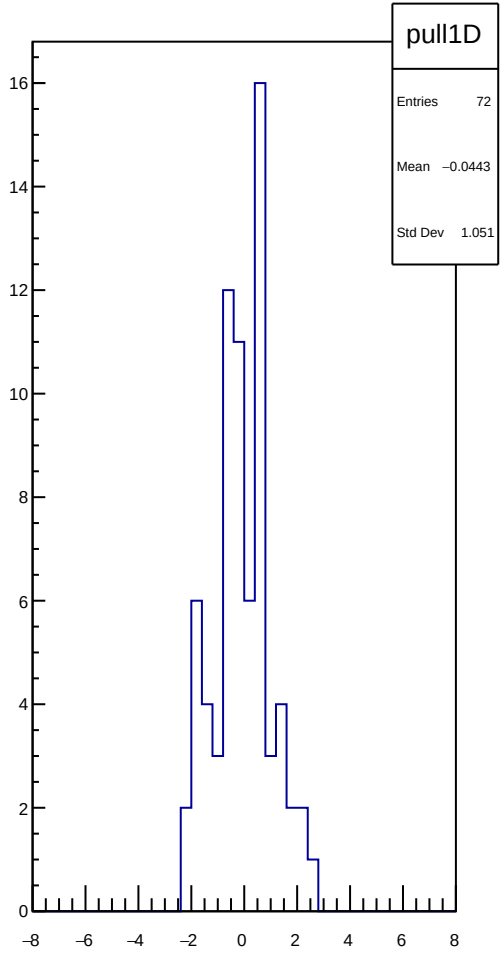

diff_bpm0i01Y_rms vs run
χ² / ndf 4.922e+04 / 71
p0 1321 ± 1.133
1700
1600
1500
1400
1300
1200
1100
1000

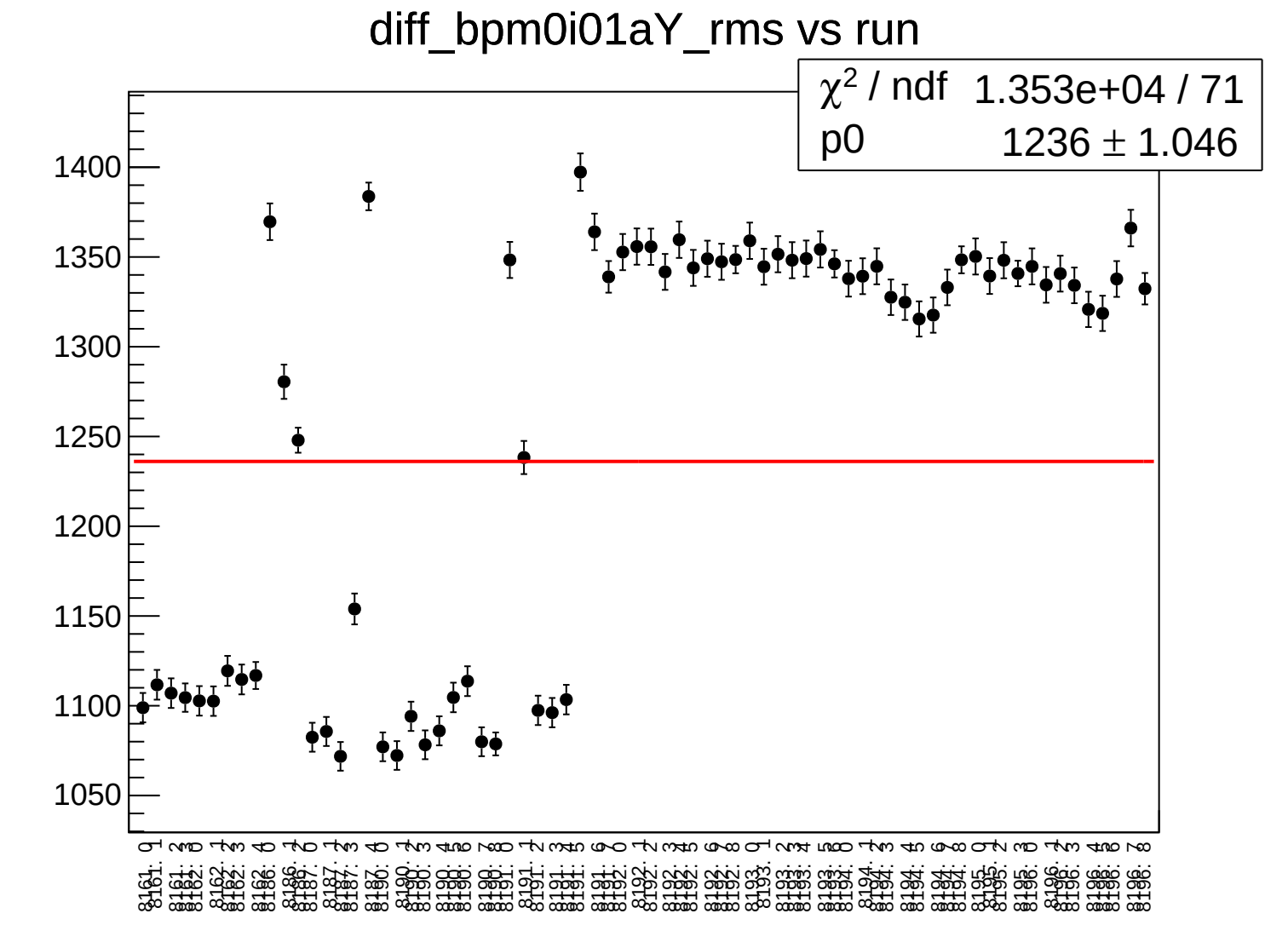

diff_bpm0i01aX_mean vs run
χ² / ndf 100.8 / 71
p0 42.94 ± 1.533
pull
Entries 72
Mean 33.21
Std Dev 37.59

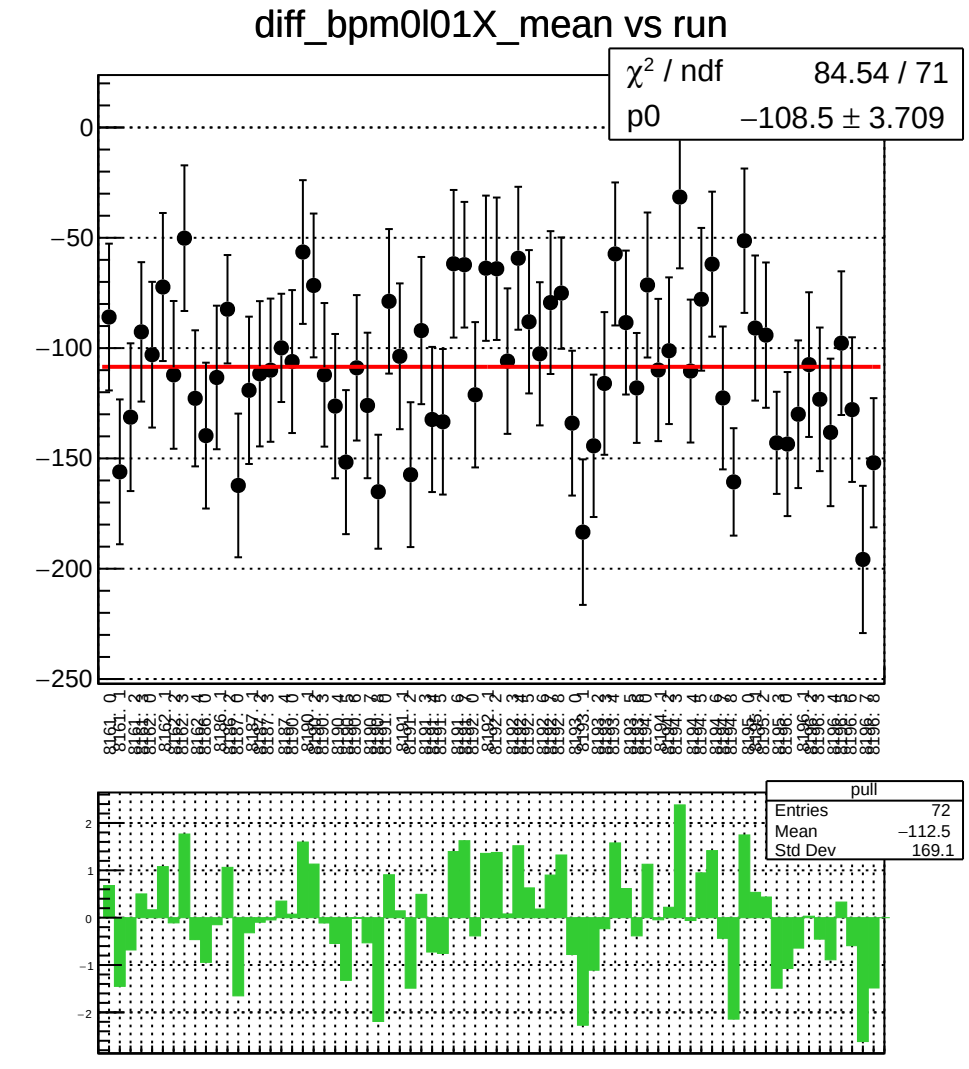

pull1D
Entries 72
Mean −0.05028
Std Dev 1.182

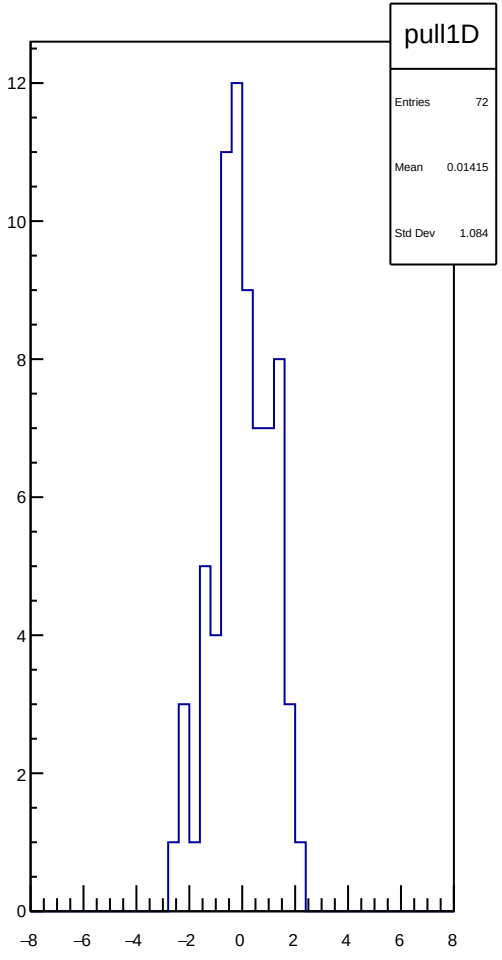

diff_bpm0i01aX_rms vs run
χ² / ndf 5.47e+04 / 71
p0 1261 ± 1.084
1700
1600
1500
1400
1300
1200
1100
1000
900

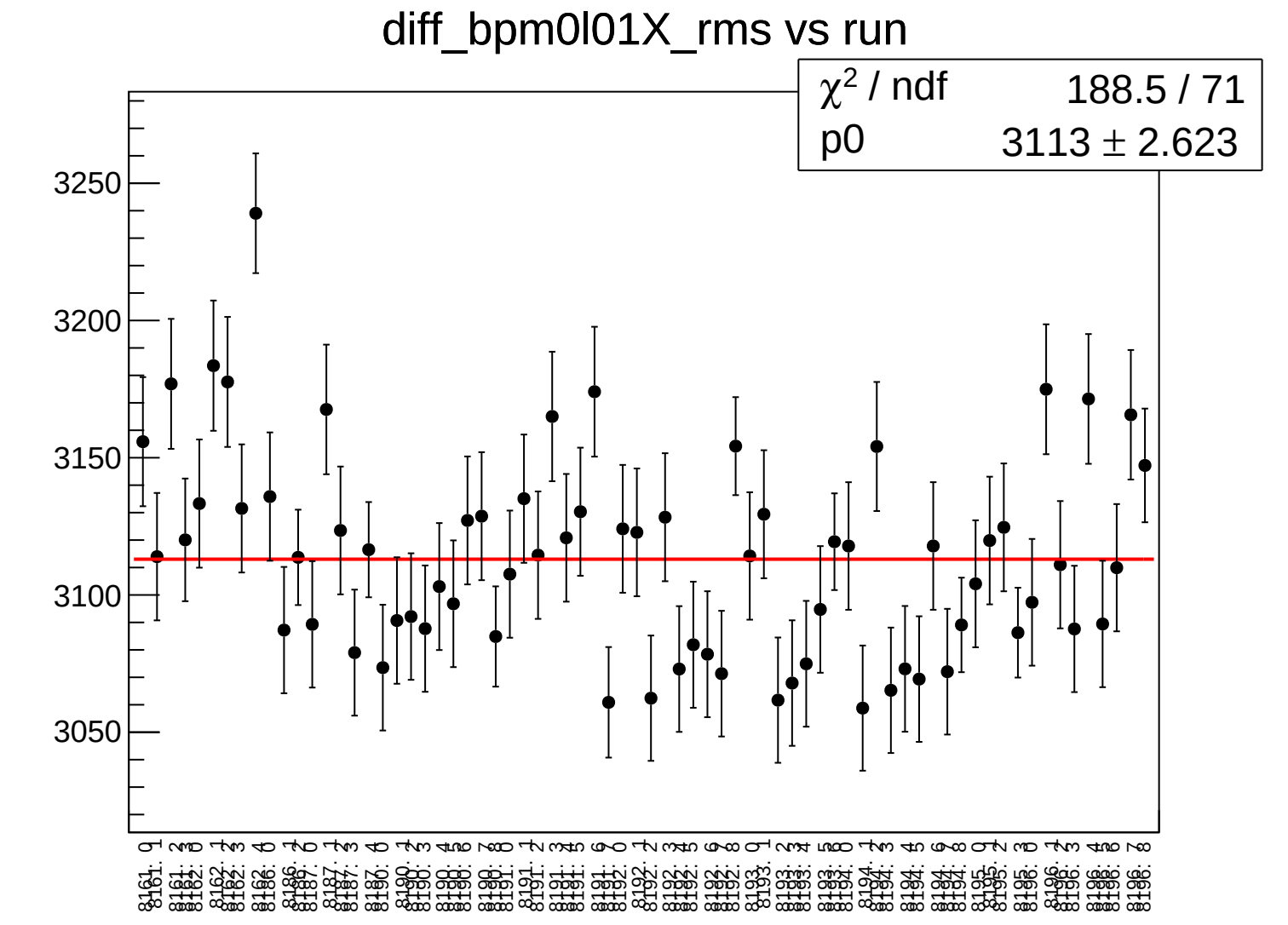

diff_bpm0i01aY_mean vs run
χ² / ndf 79.66 / 71
p0 49.72 ± 1.48
pull
Entries 72
Mean 120.8
Std Dev 92.48

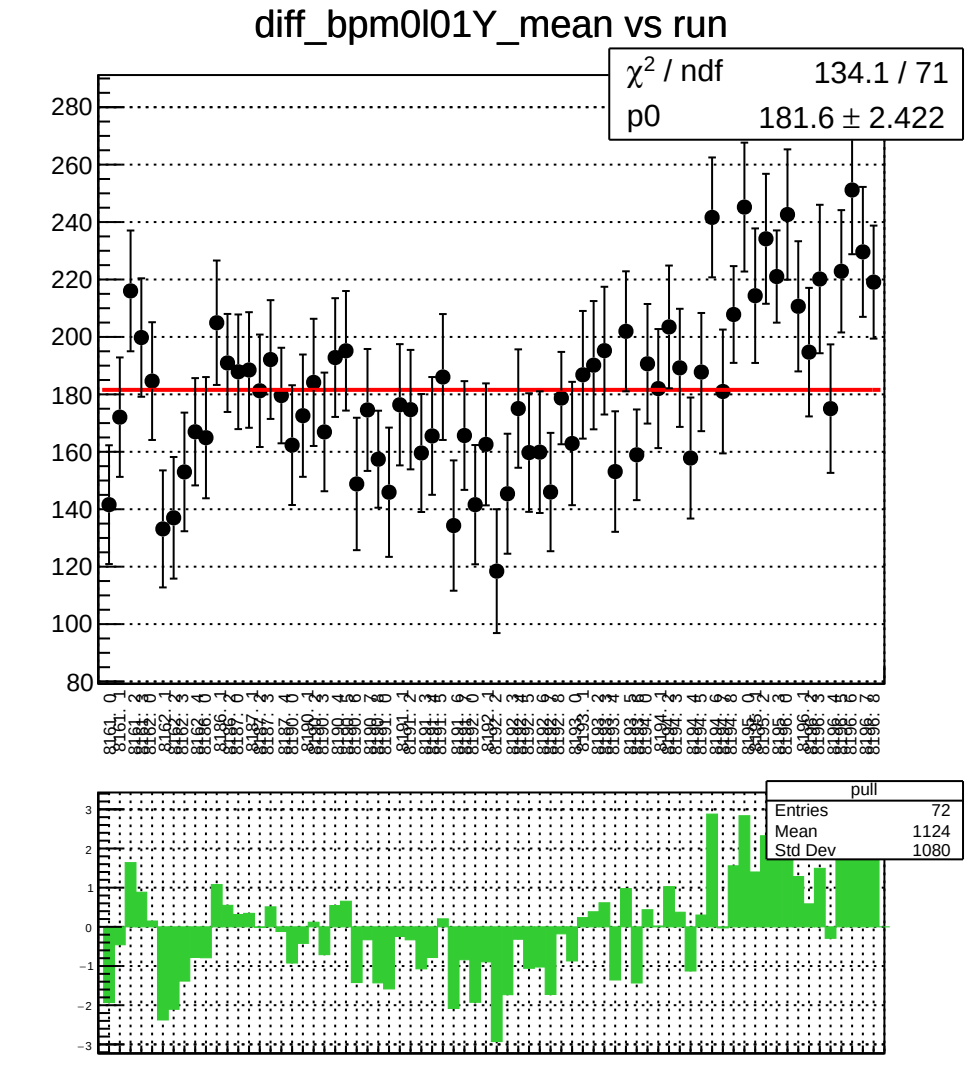

pull1D
Entries 72
Mean −0.0443
Std Dev 1.051

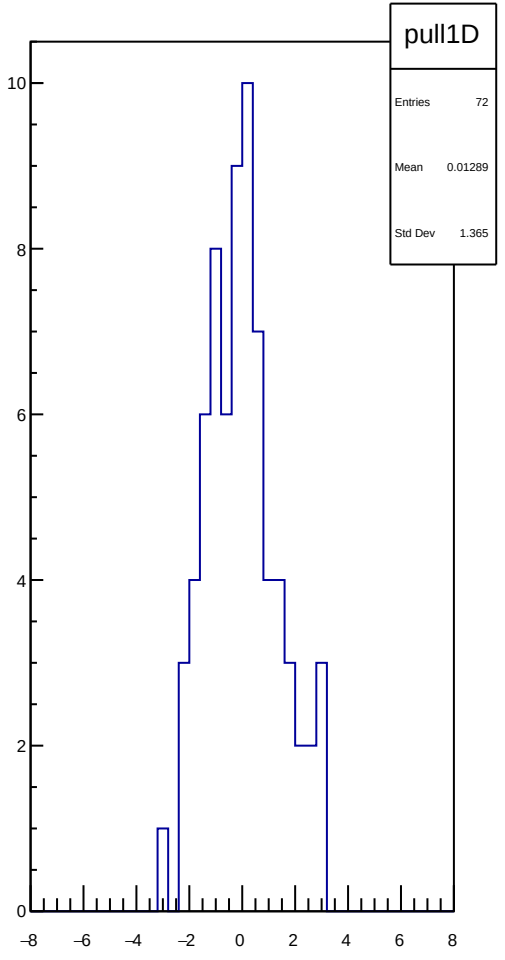

diff_bpm0i01aY_rms vs run
χ² / ndf 1.353e+04 / 71
p0 1236 ± 1.046
1400
1350
1300
1250
1200
1150
1100
1050

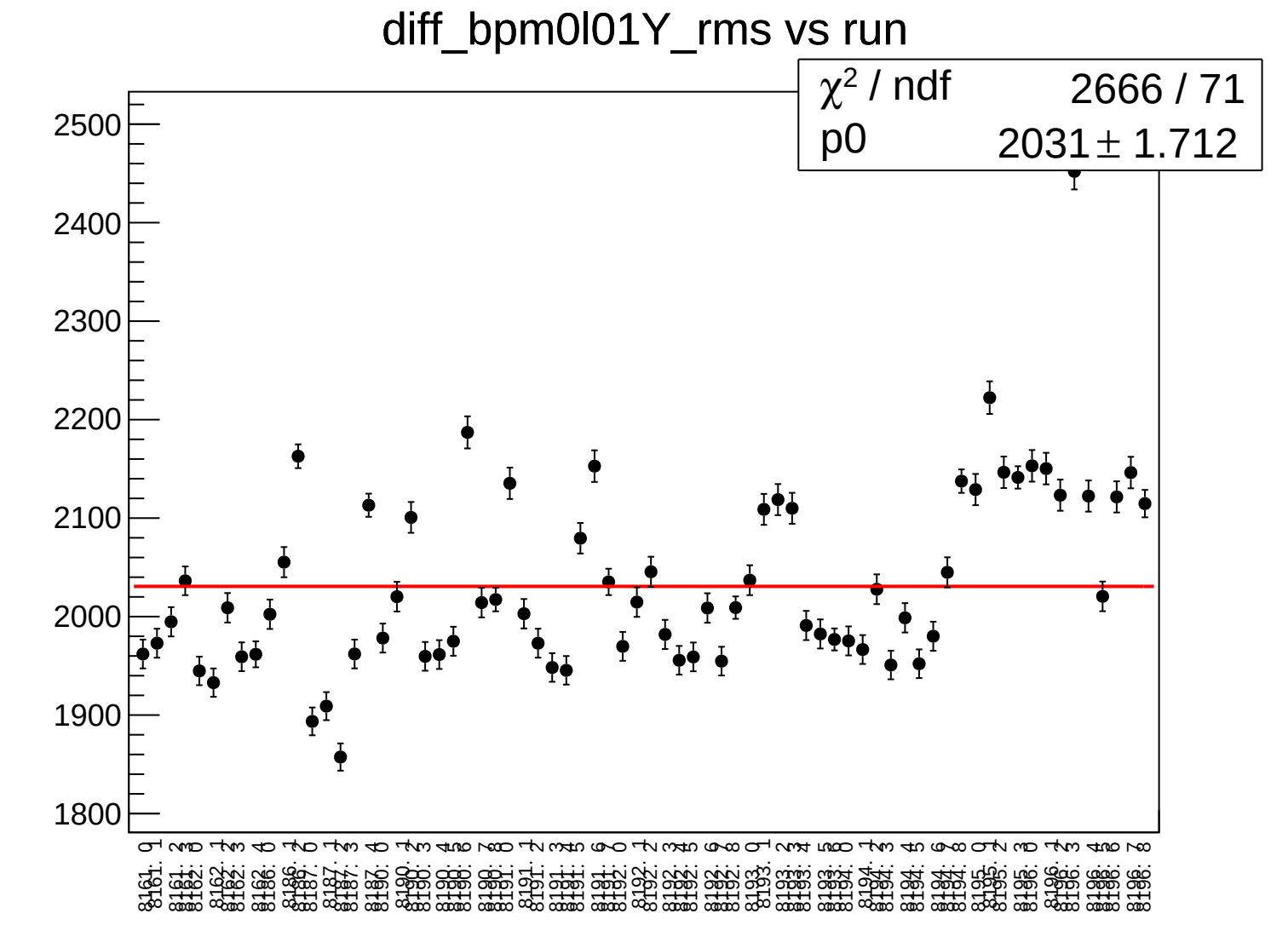

diff_bpm0l01X_mean vs run
χ² / ndf 84.54 / 71
p0 −108.5 ± 3.709
pull
Entries 72
Mean −112.5
Std Dev 169.1

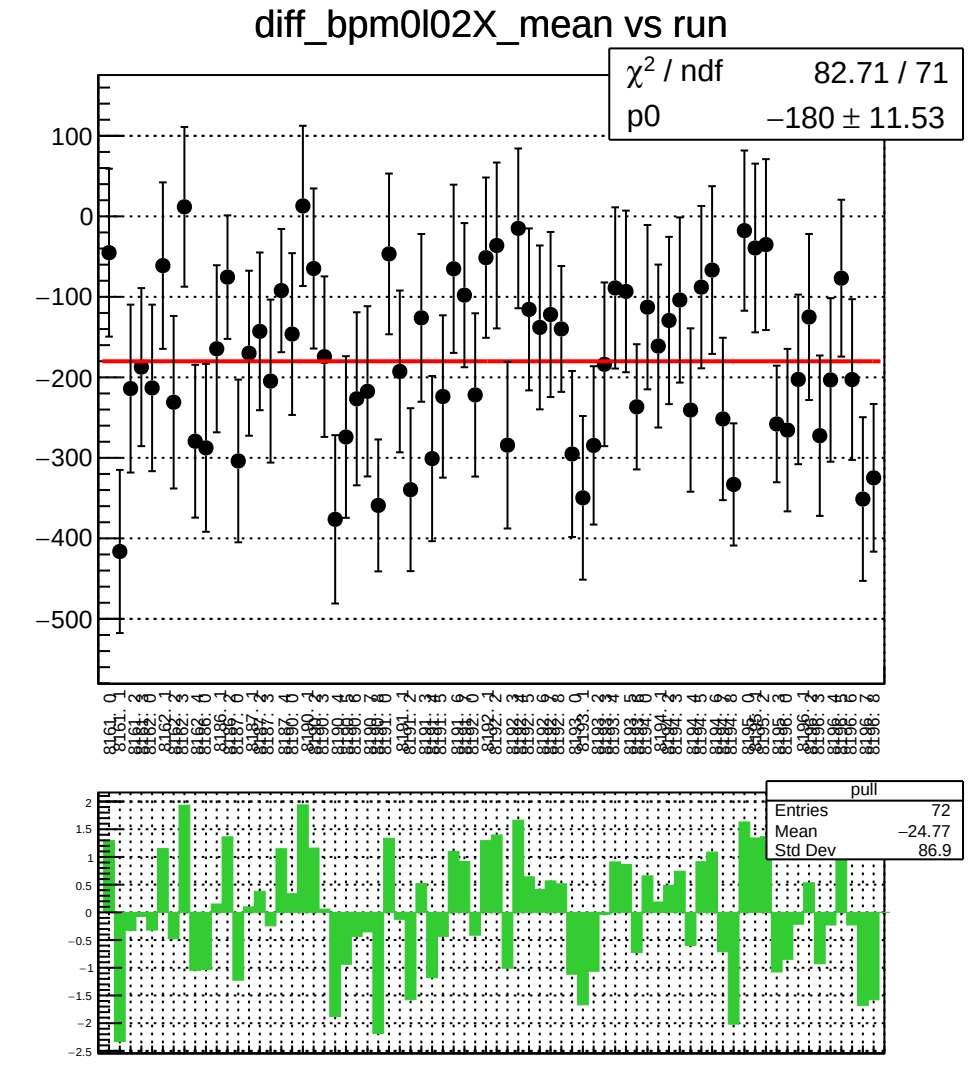

pull1D
Entries 72
Mean 0.01415
Std Dev 1.084

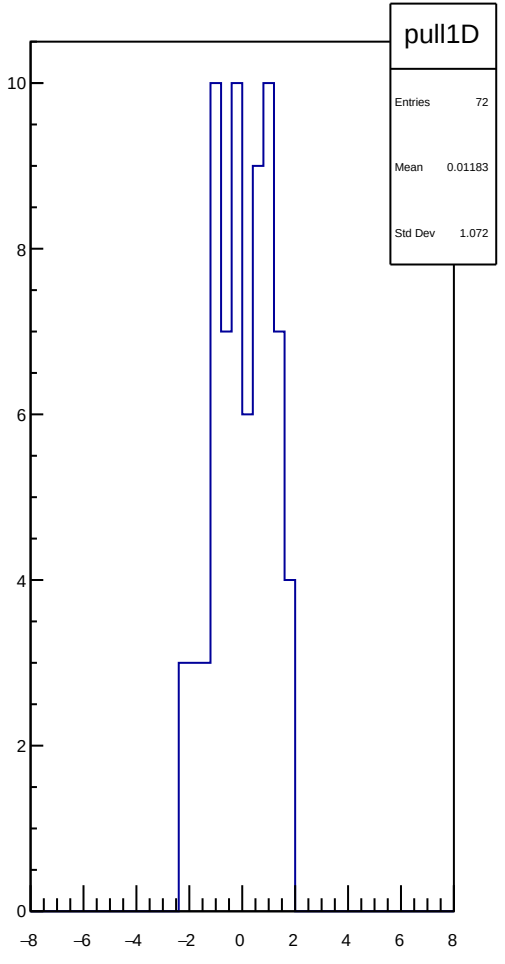

diff_bpm0l01X_rms vs run
χ² / ndf 188.5 / 71
p0 3113 ± 2.623
3250
3200
3150
3100
3050

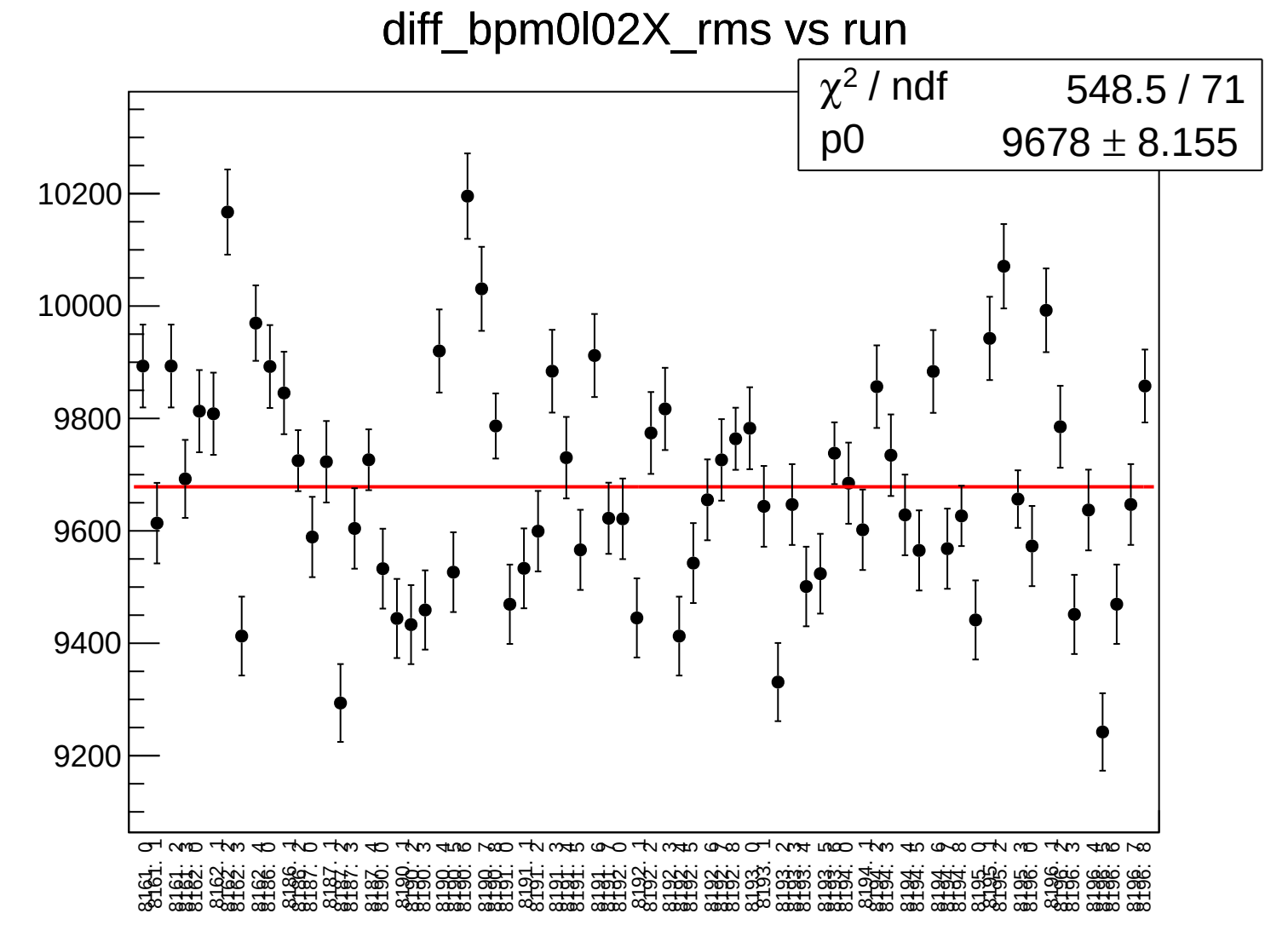

diff_bpm0l01Y_mean vs run
χ² / ndf 134.1 / 71
p0 181.6 ± 2.422
pull
Entries 72
Mean 1124
Std Dev 1080

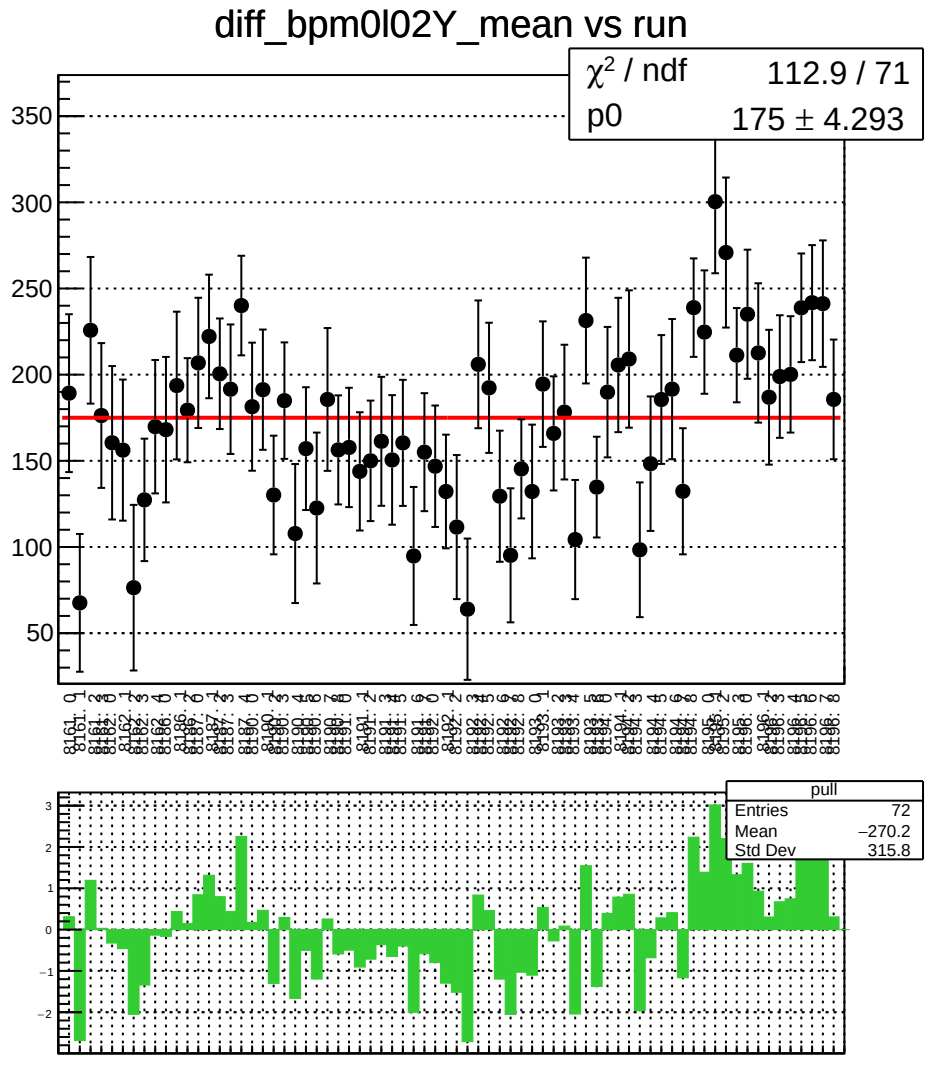

pull1D
Entries 72
Mean 0.01289
Std Dev 1.365

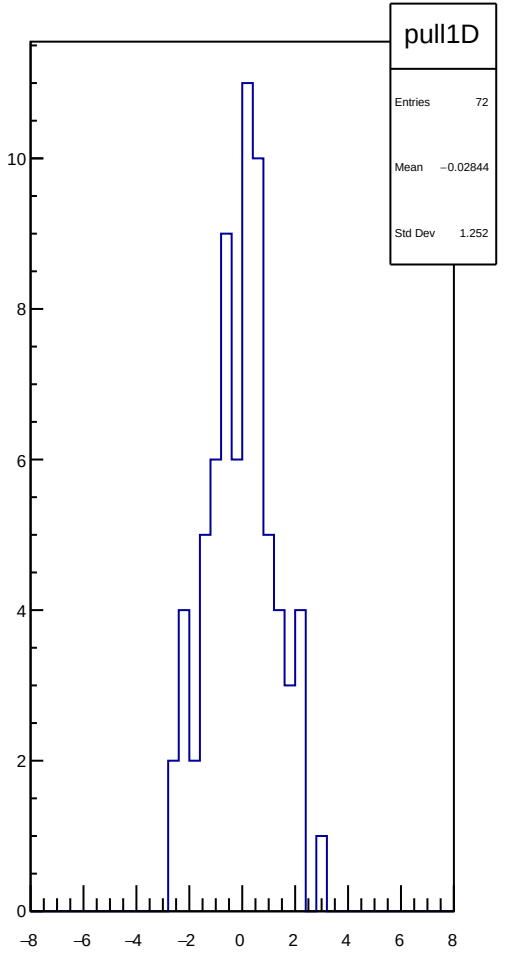

diff_bpm0l01Y_rms vs run
χ² / ndf 2666 / 71
p0 2031 ± 1.712
2500
2400
2300
2200
2100
2000
1900
1800

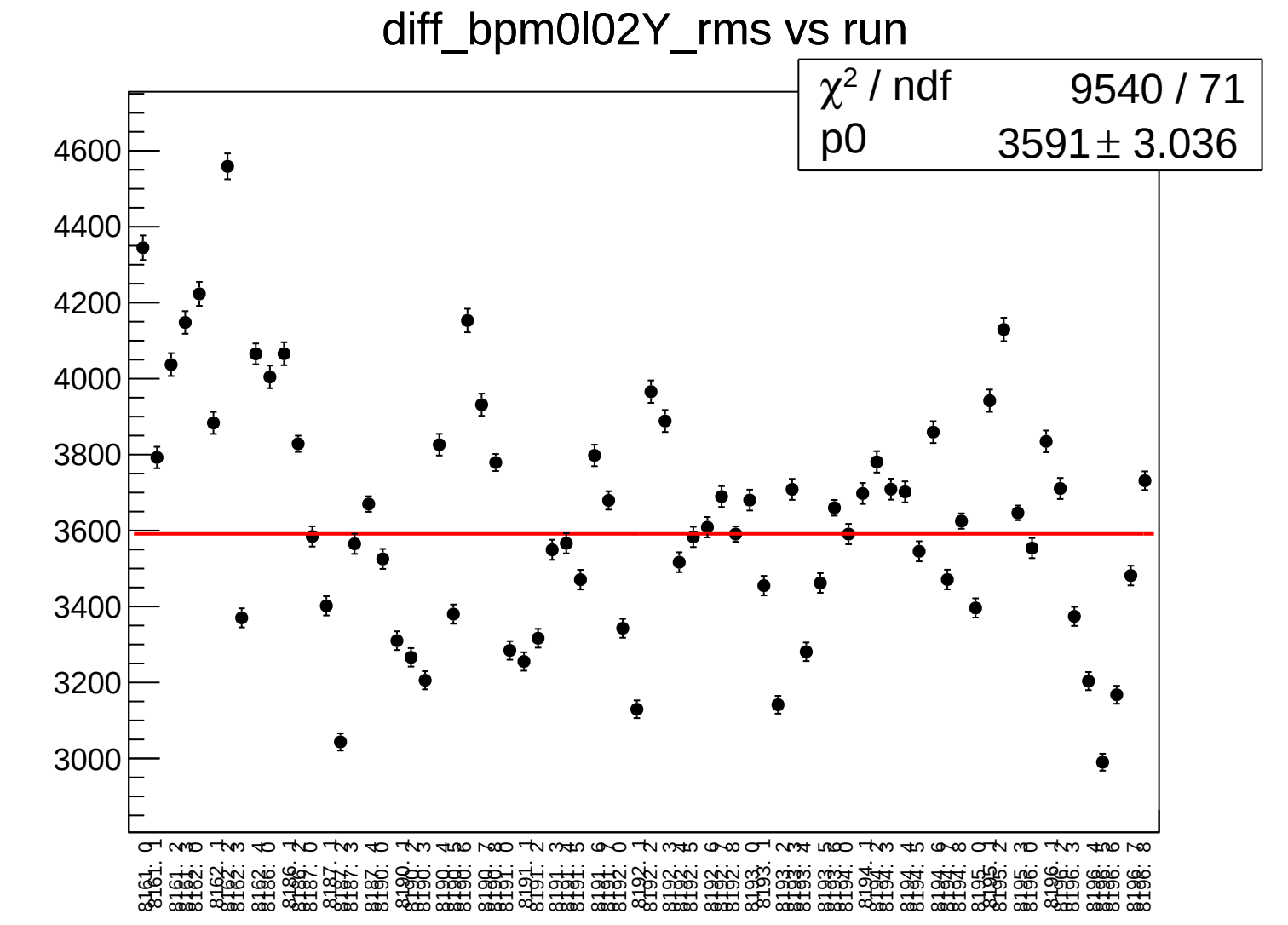

diff_bpm0l02X_mean vs run
χ² / ndf 82.71 / 71
p0 −180 ± 11.53
pull
Entries 72
Mean −24.77
Std Dev 86.9

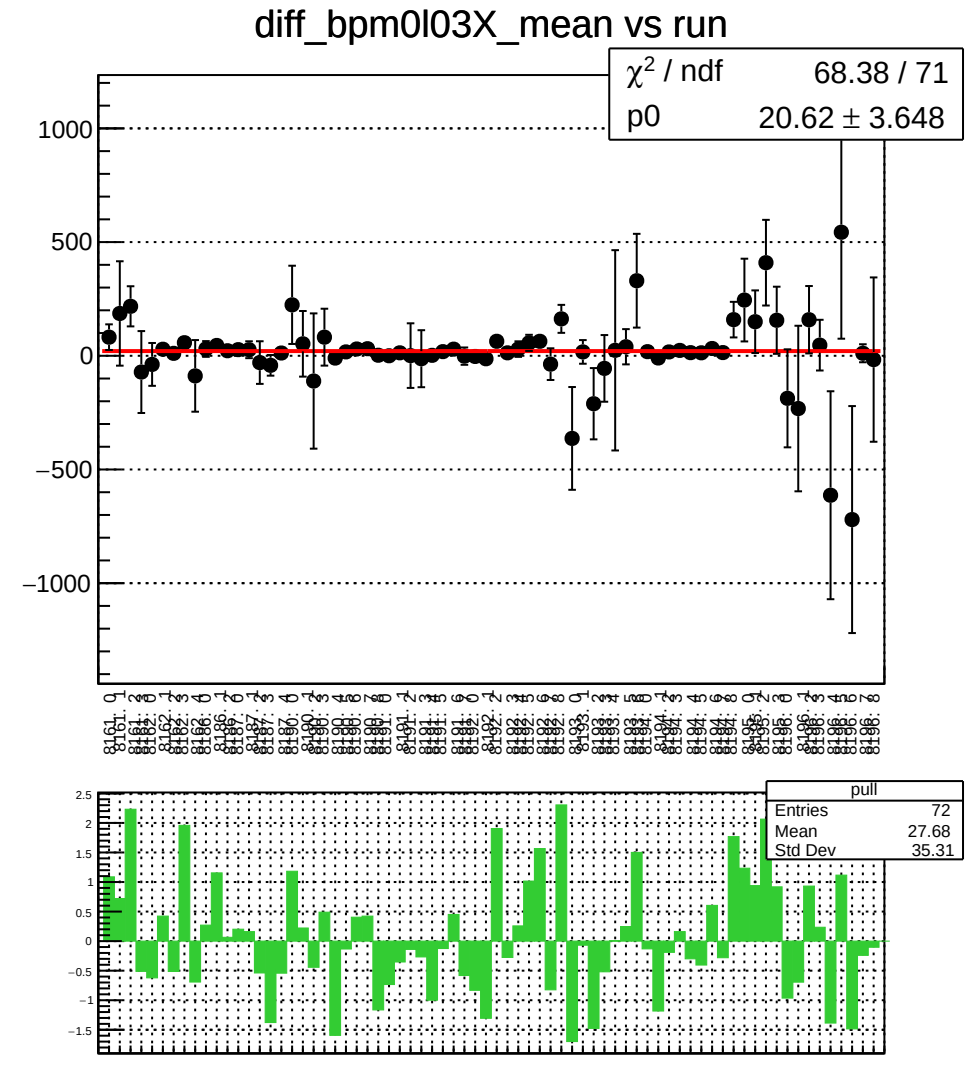

pull1D
Entries 72
Mean 0.01183
Std Dev 1.072

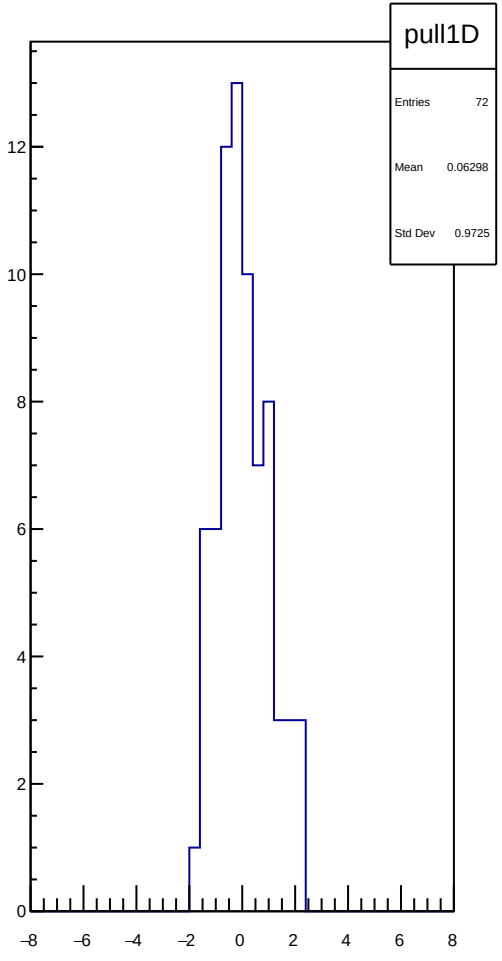

diff_bpm0l02X_rms vs run
χ² / ndf 548.5 / 71
p0 9678 ± 8.155
10200
10000
9800
9600
9400
9200


diff_bpm0l02Y_mean vs run
χ² / ndf 112.9 / 71
p0 175 ± 4.293
pull
Entries 72
Mean −270.2
Std Dev 315.8

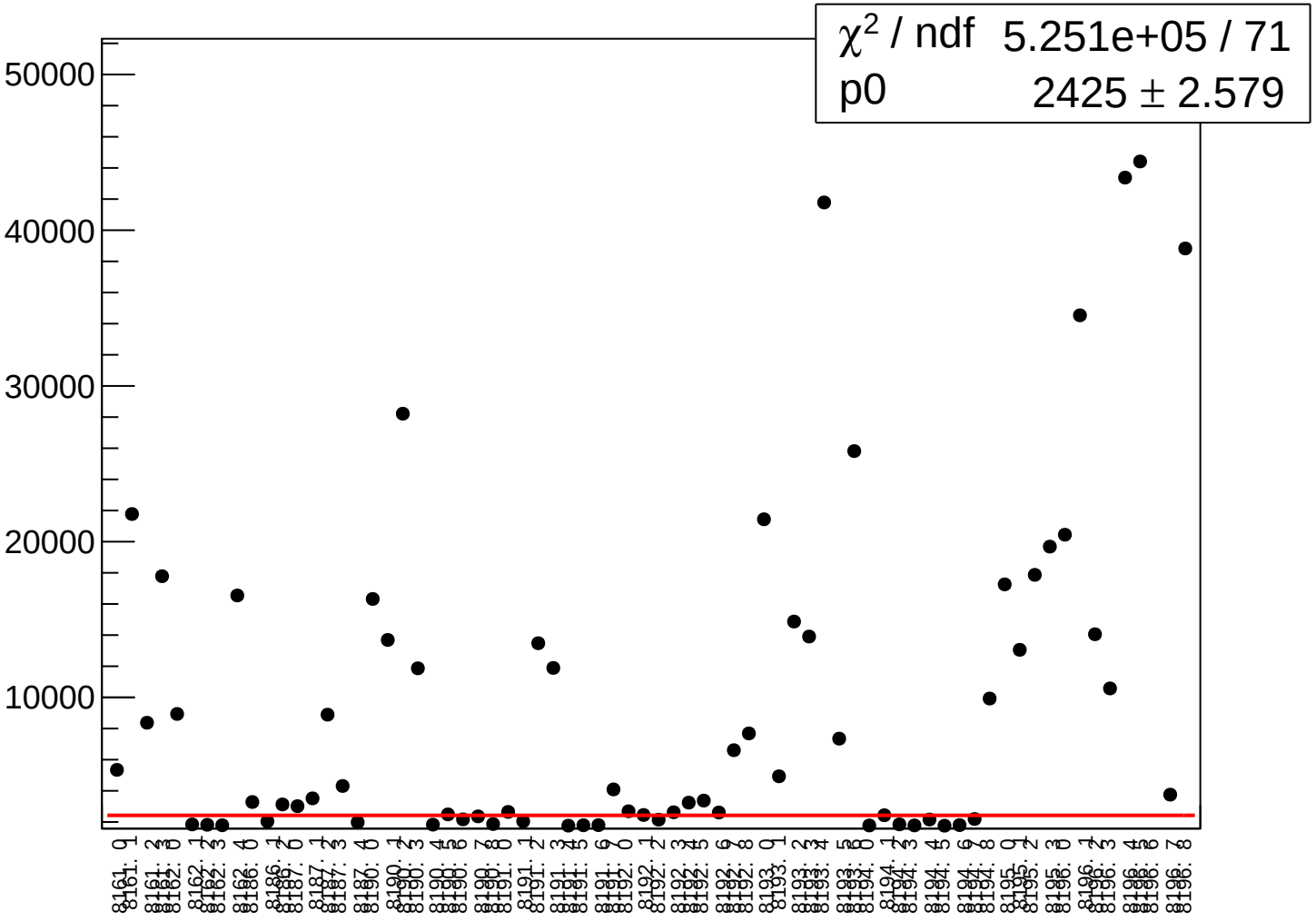

pull1D
Entries 72
Mean −0.02844
Std Dev 1.252

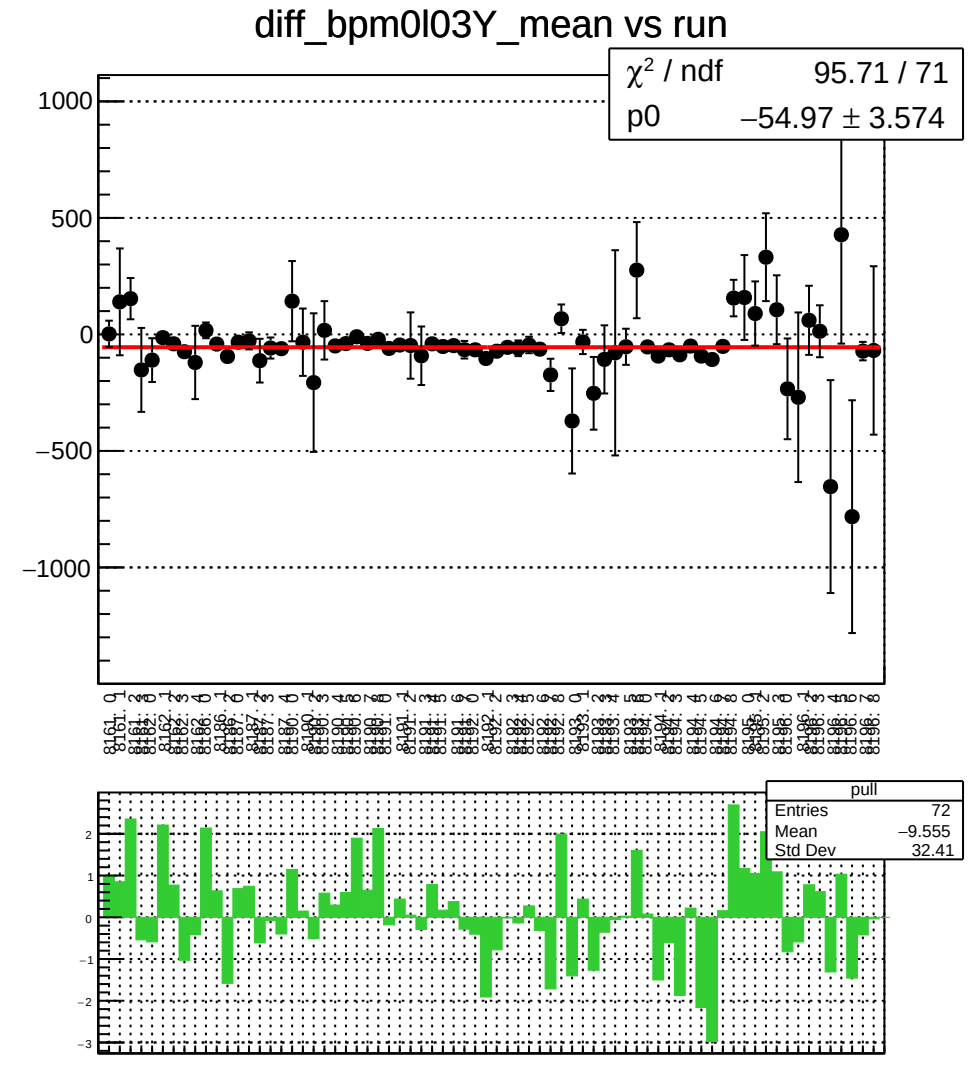

diff_bpm0l02Y_rms vs run
χ² / ndf 9540 / 71
p0 3591 ± 3.036
4600
4400
4200
4000
3800
3600
3400
3200
3000

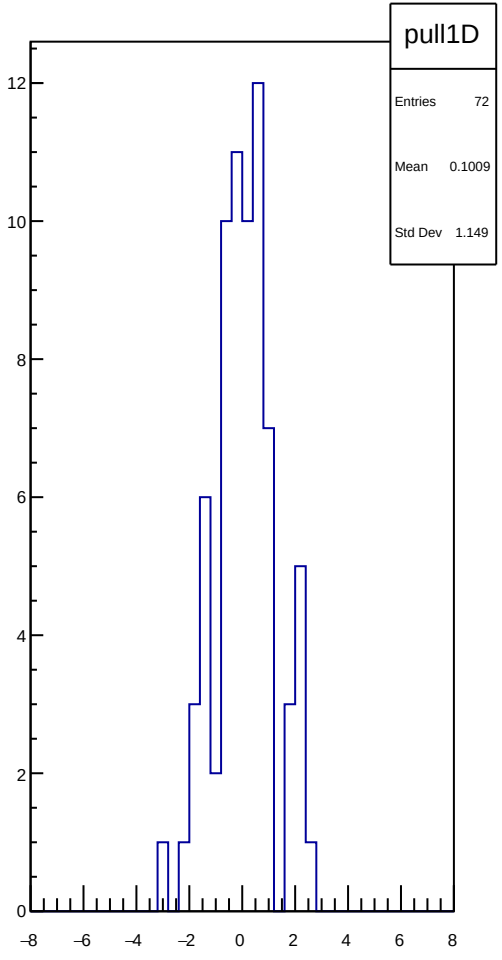

diff_bpm0l03X_mean vs run
χ² / ndf 68.38 / 71
p0 20.62 ± 3.648
1000
500
0
−500
−1000
pull
Entries 72
Mean 27.68
Std Dev 35.31
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

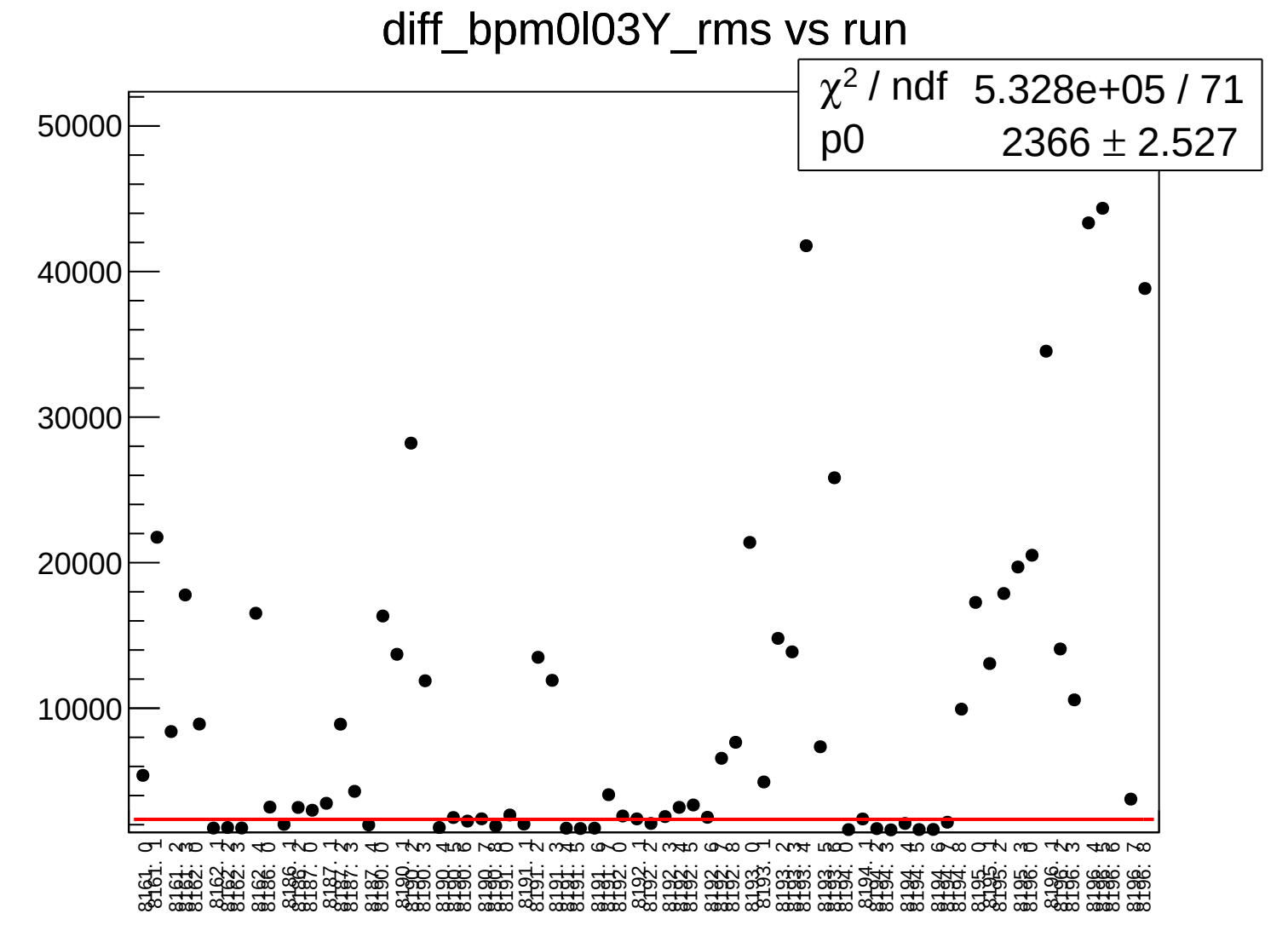

pull1D
Entries 72
Mean 0.06298
Std Dev 0.9725
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

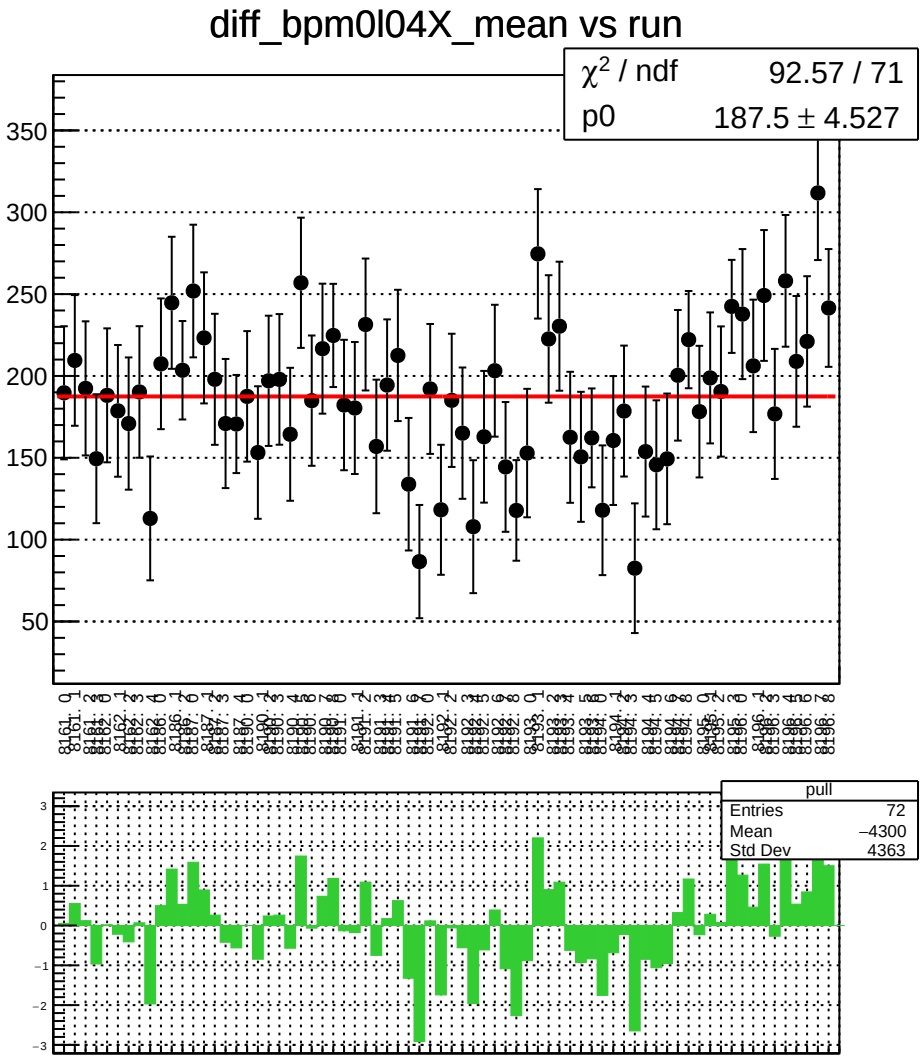
diff_bpm0l03X_rms vs run

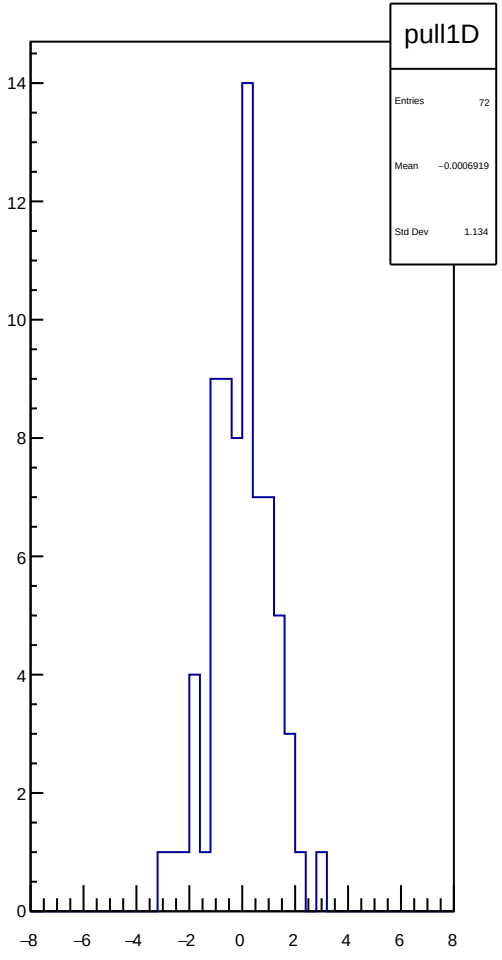


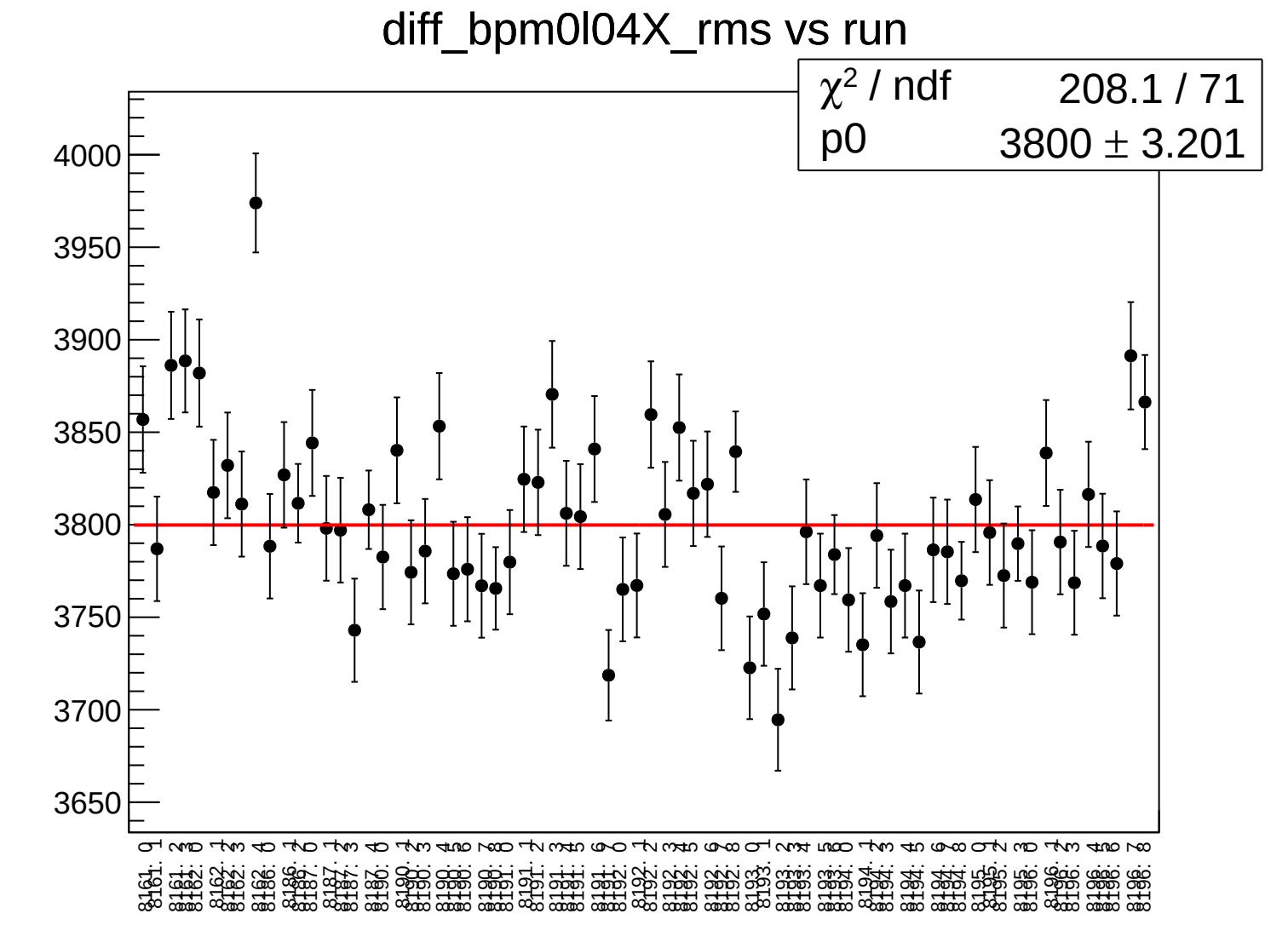

diff_bpm0l03Y_mean vs run
χ² / ndf 95.71 / 71
p0 −54.97 ± 3.574
pull
Entries 72
Mean −9.555
Std Dev 32.41

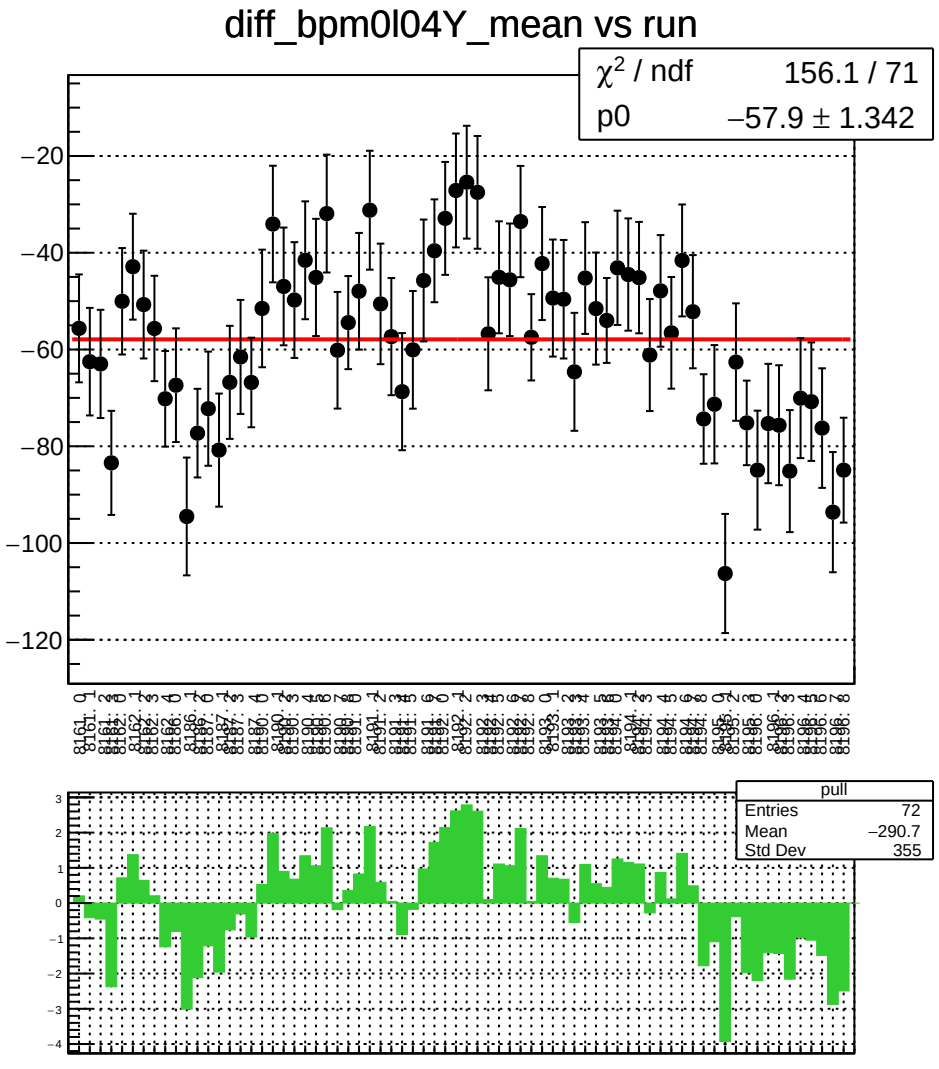

pull1D
Entries 72
Mean 0.1009
Std Dev 1.149

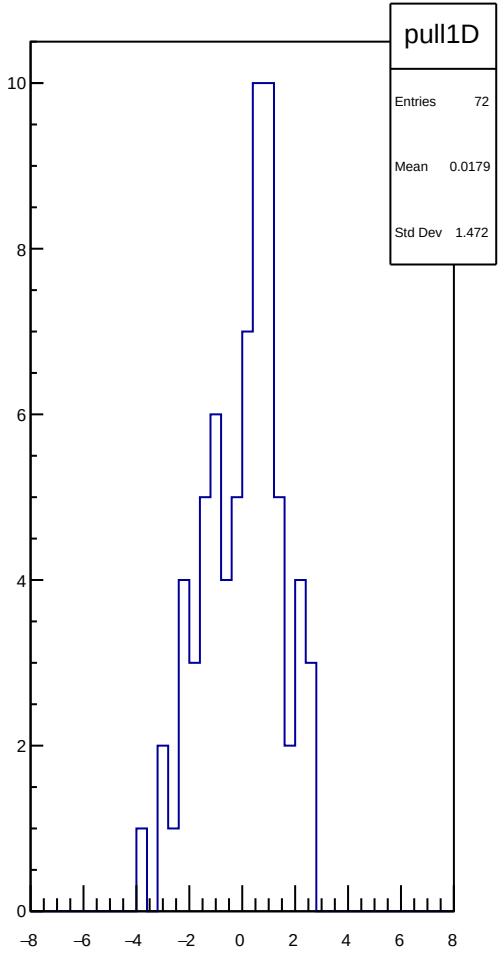

diff_bpm0l03Y_rms vs run
χ² / ndf 5.328e+05 / 71
p0 2366 ± 2.527
50000
40000
30000
20000
10000

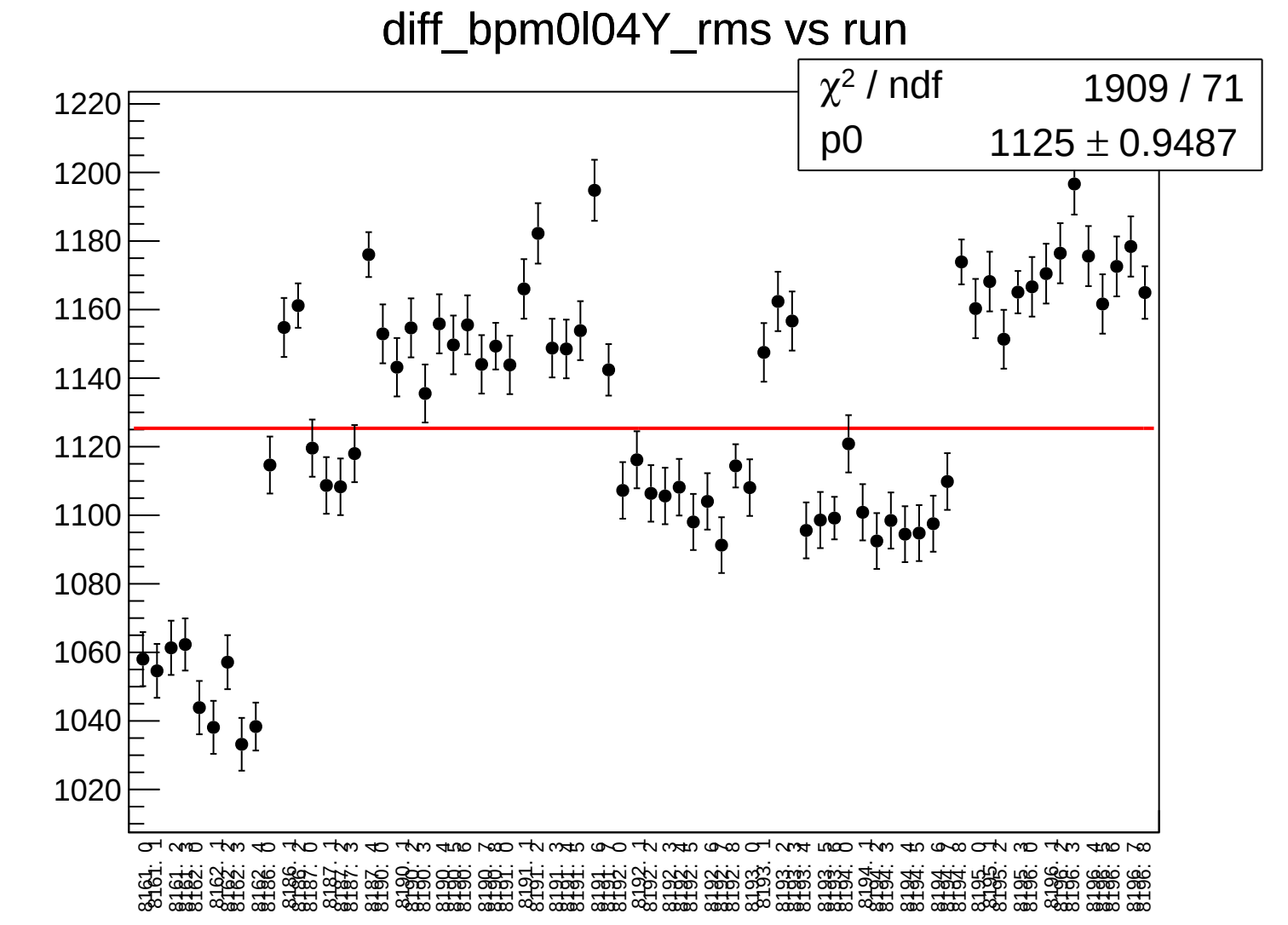

diff_bpm0l04X_mean vs run
χ² / ndf 92.57 / 71
p0 187.5 ± 4.527
350
300
250
200
150
100
50
pull
Entries 72
Mean −4300
Std Dev 4363
3
2
1
0
−1
−2
−3

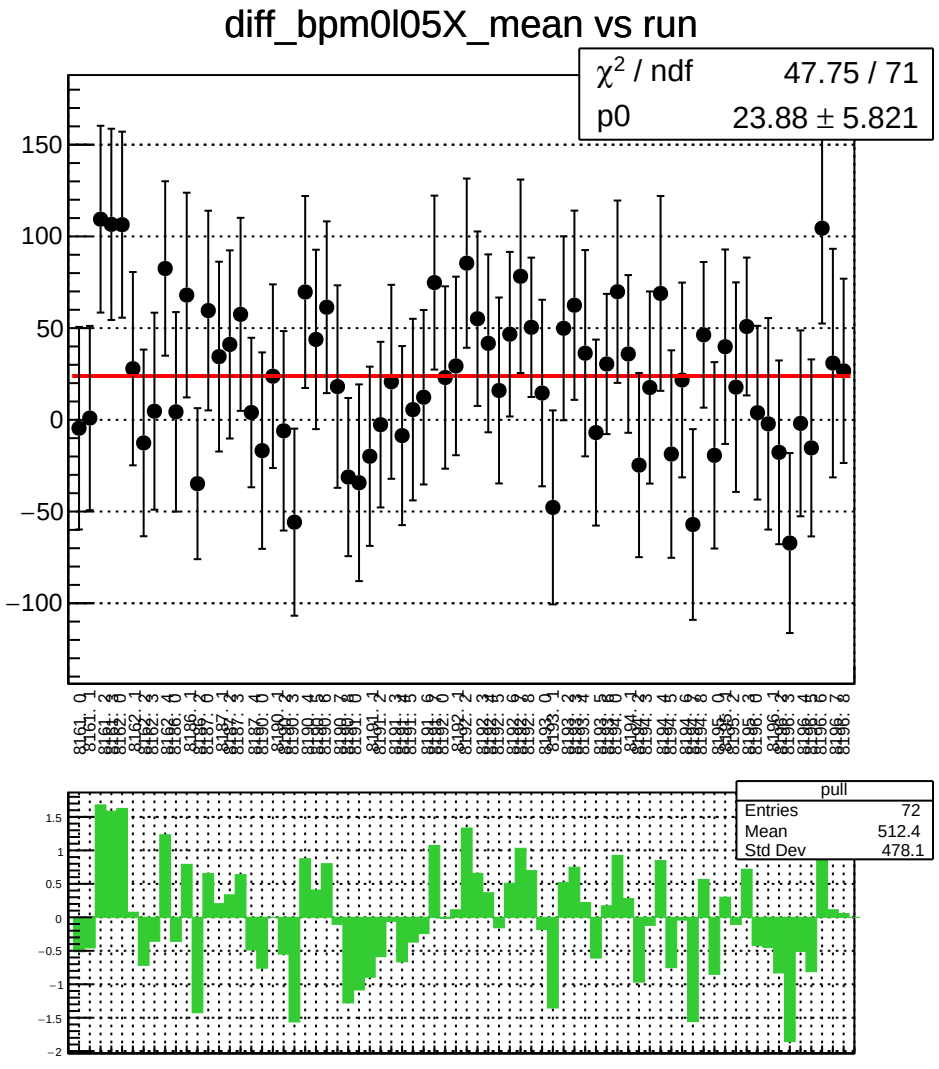

pull1D
Entries 72
Mean −0.0006919
Std Dev 1.134
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

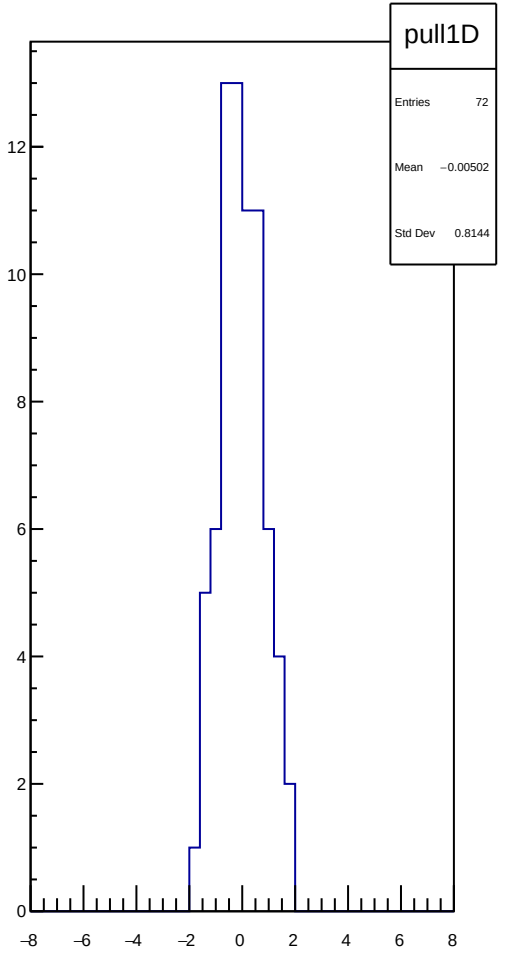

diff_bpm0l04X_rms vs run
χ² / ndf 208.1 / 71
p0 3800 ± 3.201
4000
3950
3900
3850
3800
3750
3700
3650

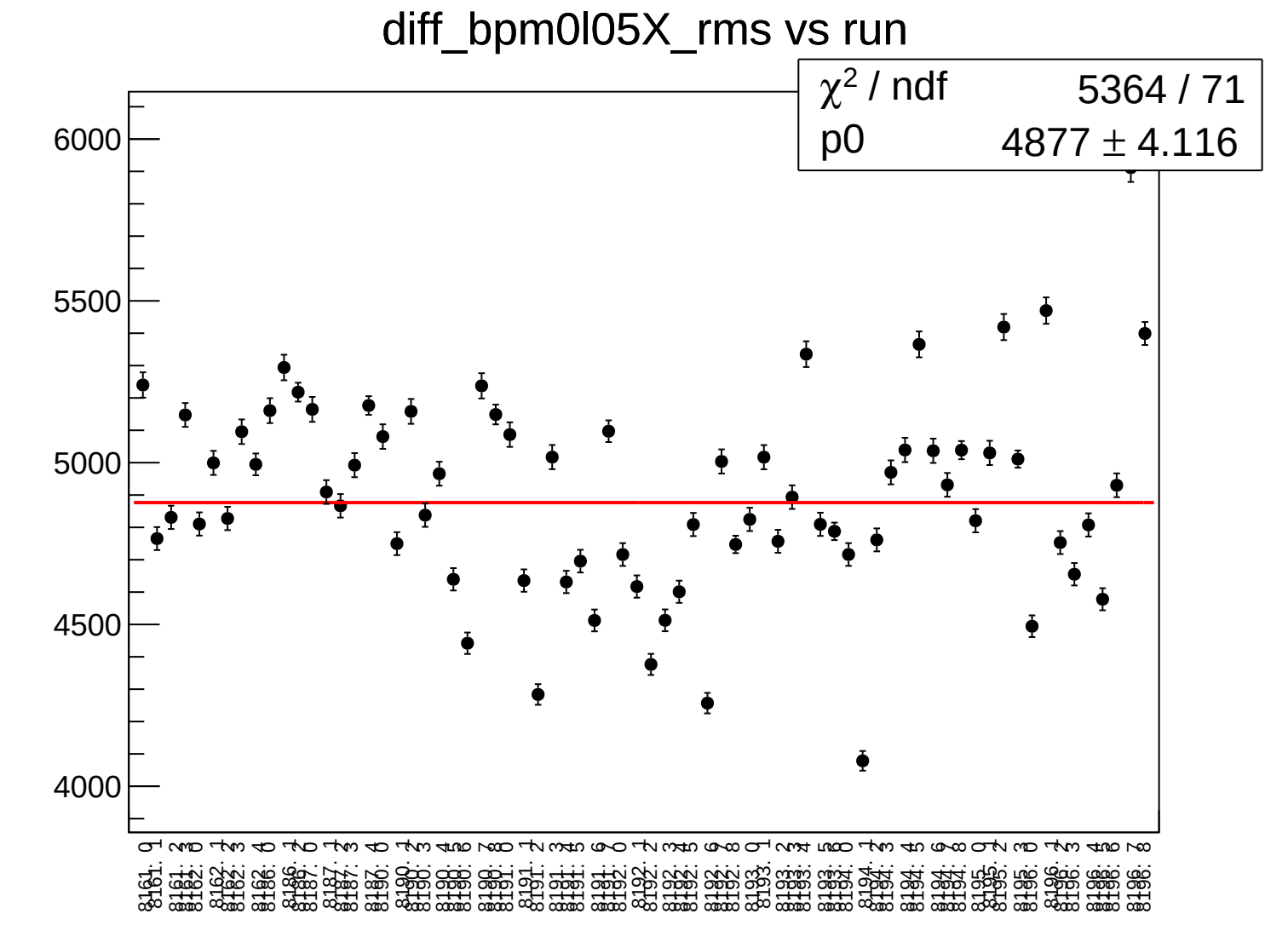

diff_bpm0l04Y_mean vs run
χ² / ndf 156.1 / 71
p0 −57.9 ± 1.342
pull
Entries 72
Mean −290.7
Std Dev 355

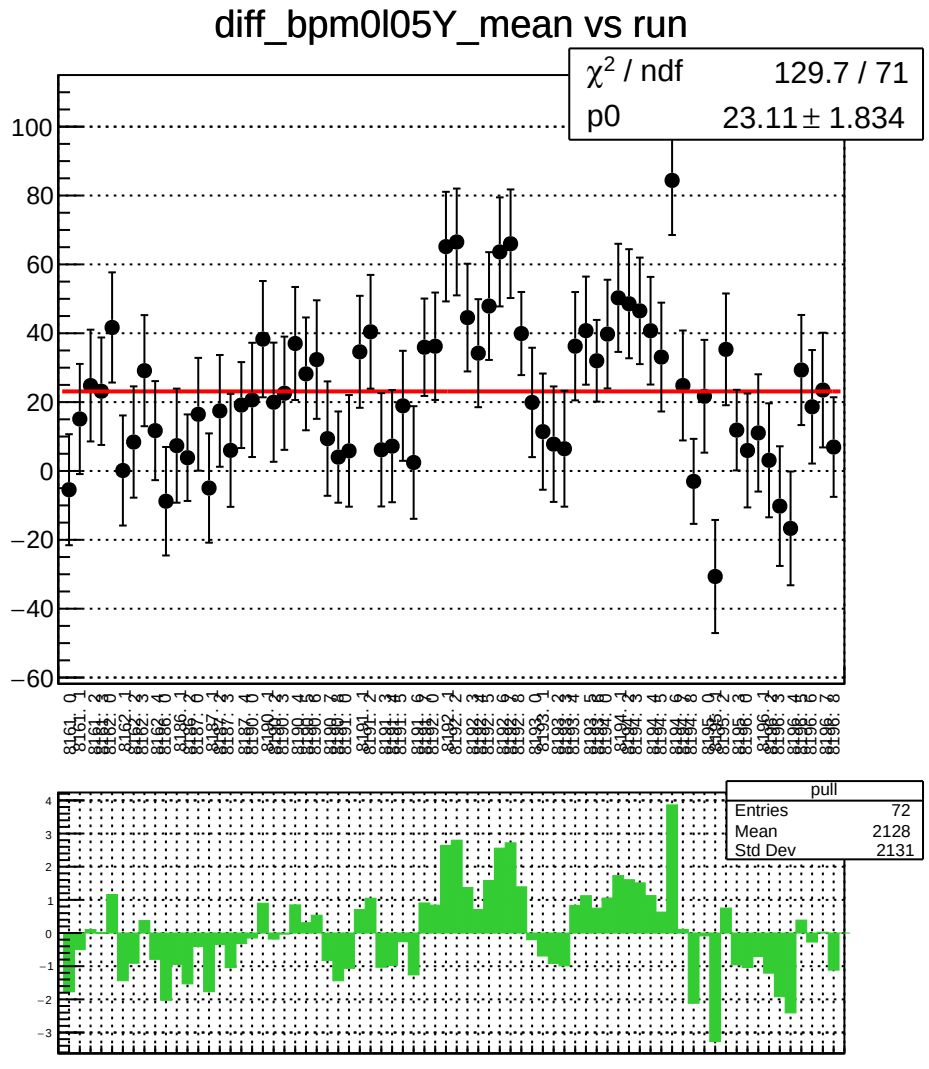

pull1D
Entries 72
Mean 0.0179
Std Dev 1.472

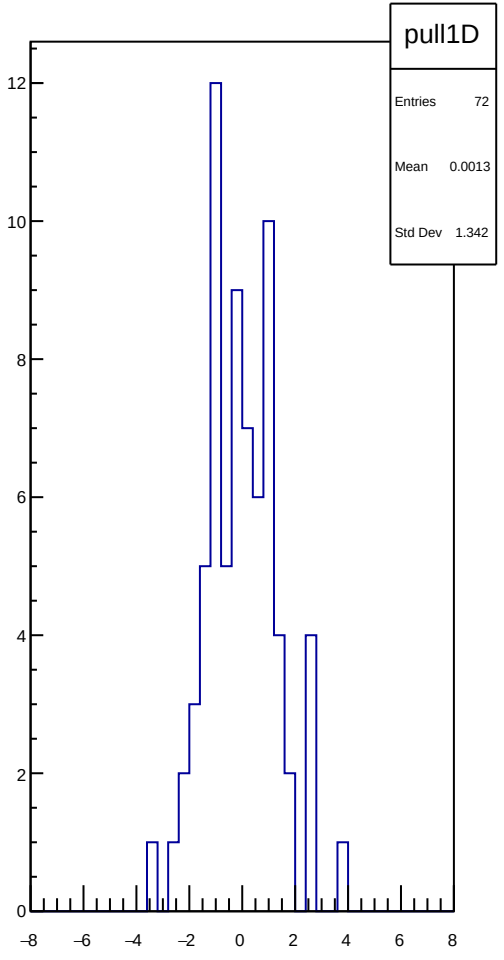

diff_bpm0l04Y_rms vs run
χ² / ndf 1909 / 71
p0 1125 ± 0.9487
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020

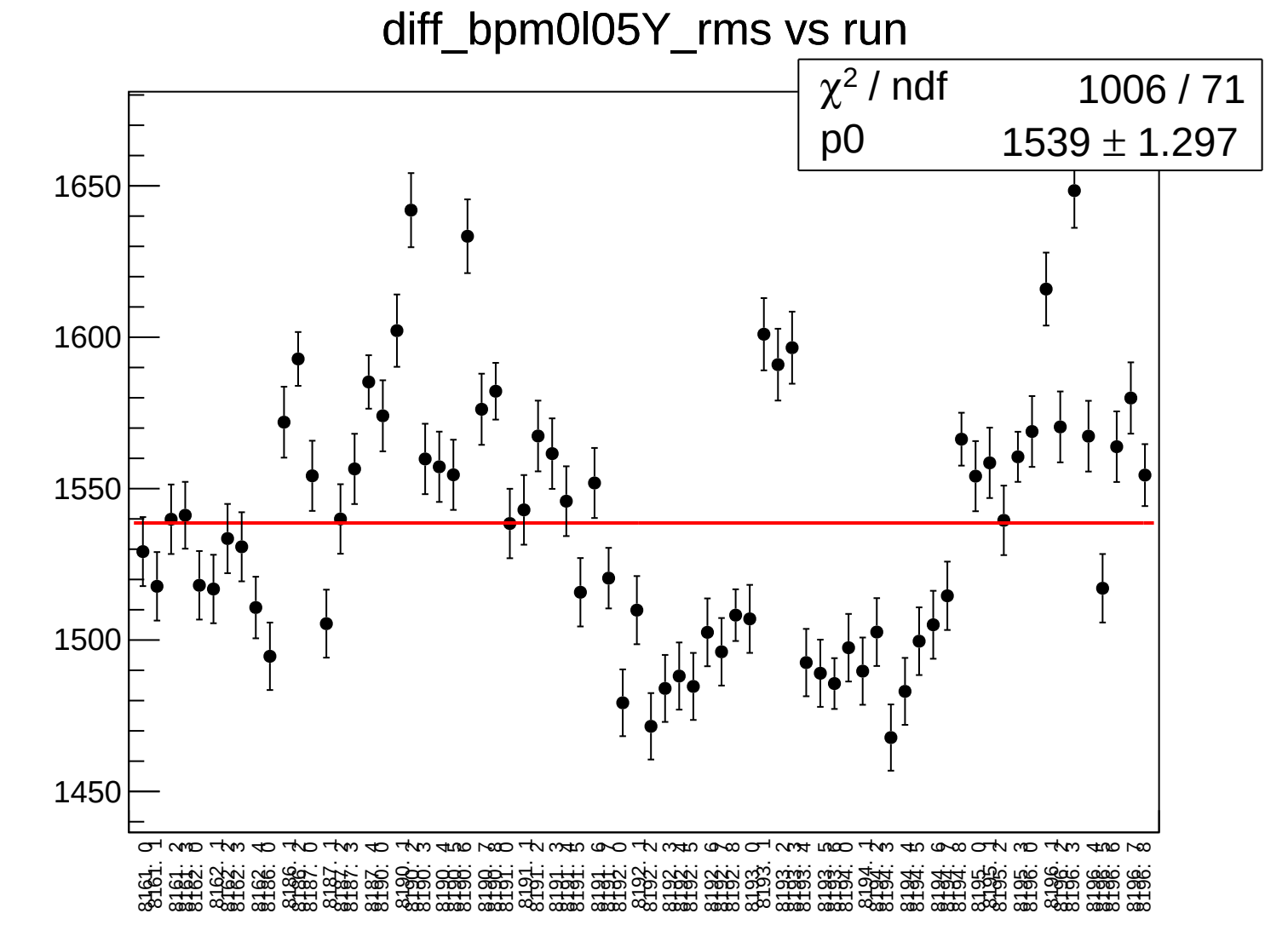

diff_bpm0l05X_mean vs run
χ^2 / ndf 47.75 / 71
p0 23.88 ± 5.821
150
100
50
0
−50
−100
pull
Entries 72
Mean 512.4
Std Dev 478.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

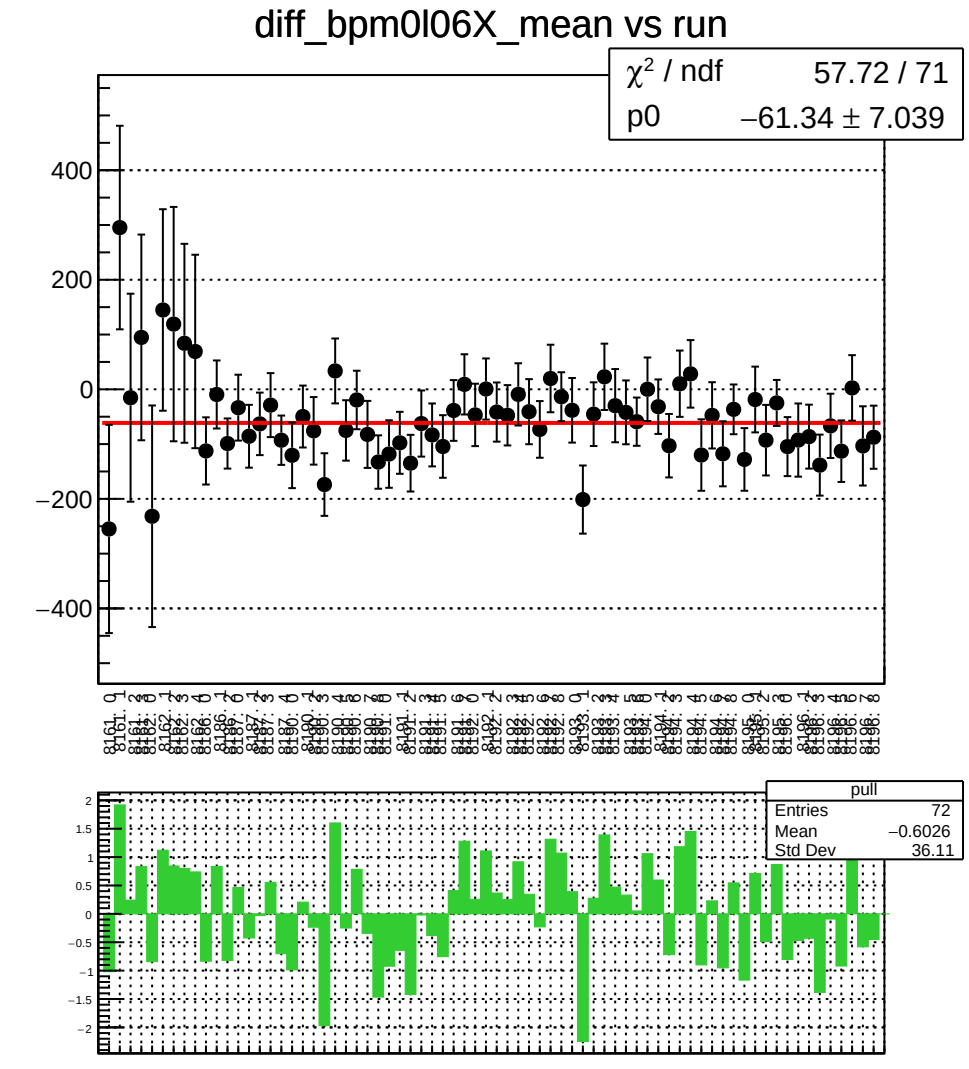

pull1D
Entries 72
Mean −0.00502
Std Dev 0.8144
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

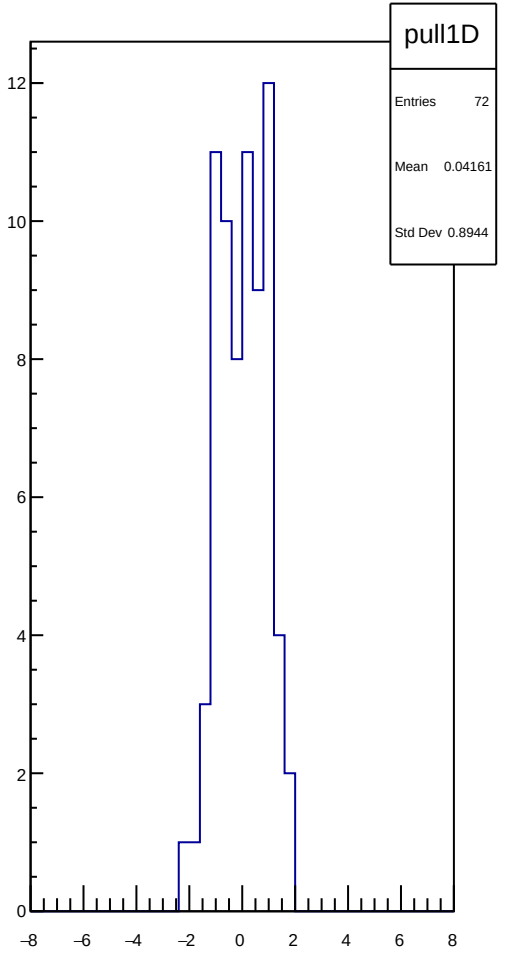

diff_bpm0l05X_rms vs run
χ² / ndf 5364 / 71
p0 4877 ± 4.116
6000
5500
5000
4500
4000

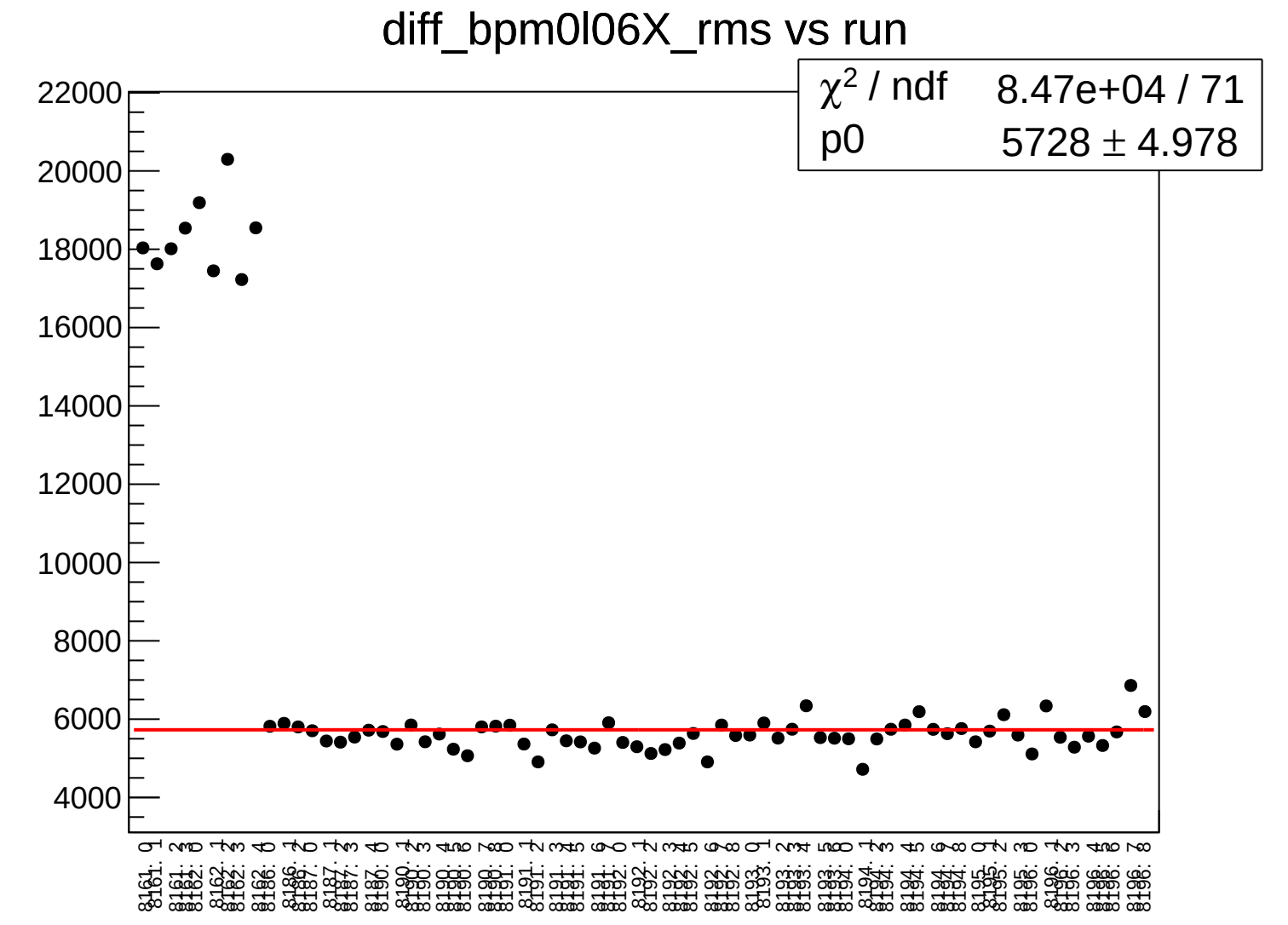

diff_bpm0l05Y_mean vs run
χ^2 / ndf 129.7 / 71
p0 23.11 ± 1.834
pull
Entries 72
Mean 2128
Std Dev 2131

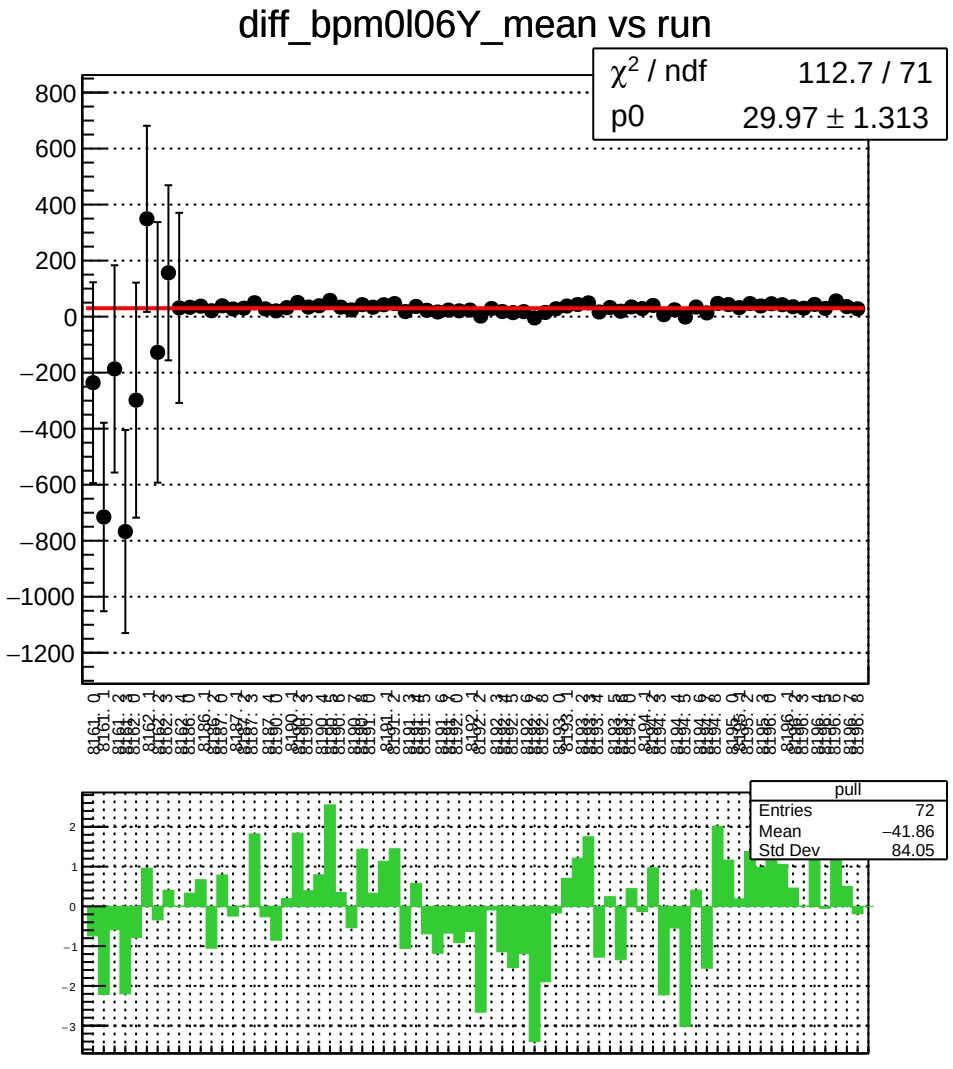

pull1D
Entries 72
Mean 0.0013
Std Dev 1.342

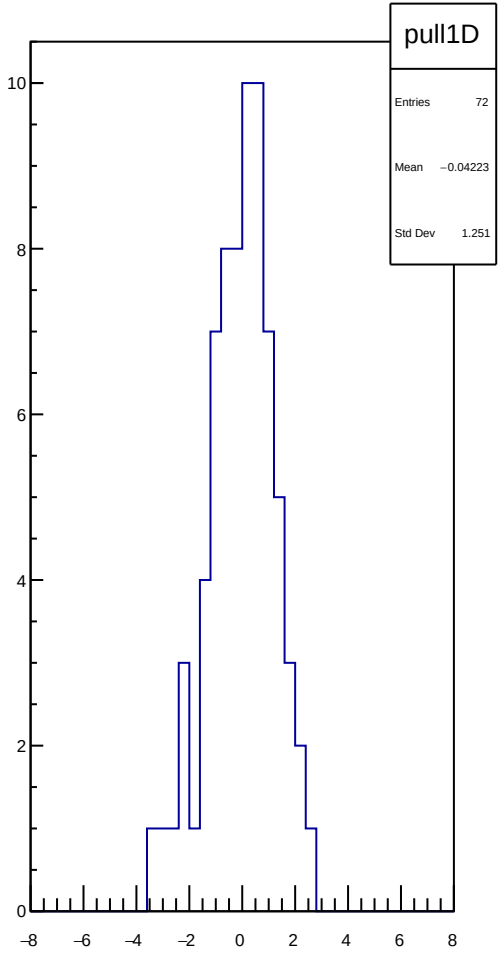

diff_bpm0l05Y_rms vs run
χ² / ndf 1006 / 71
p0 1539 ± 1.297
1650
1600
1550
1500
1450

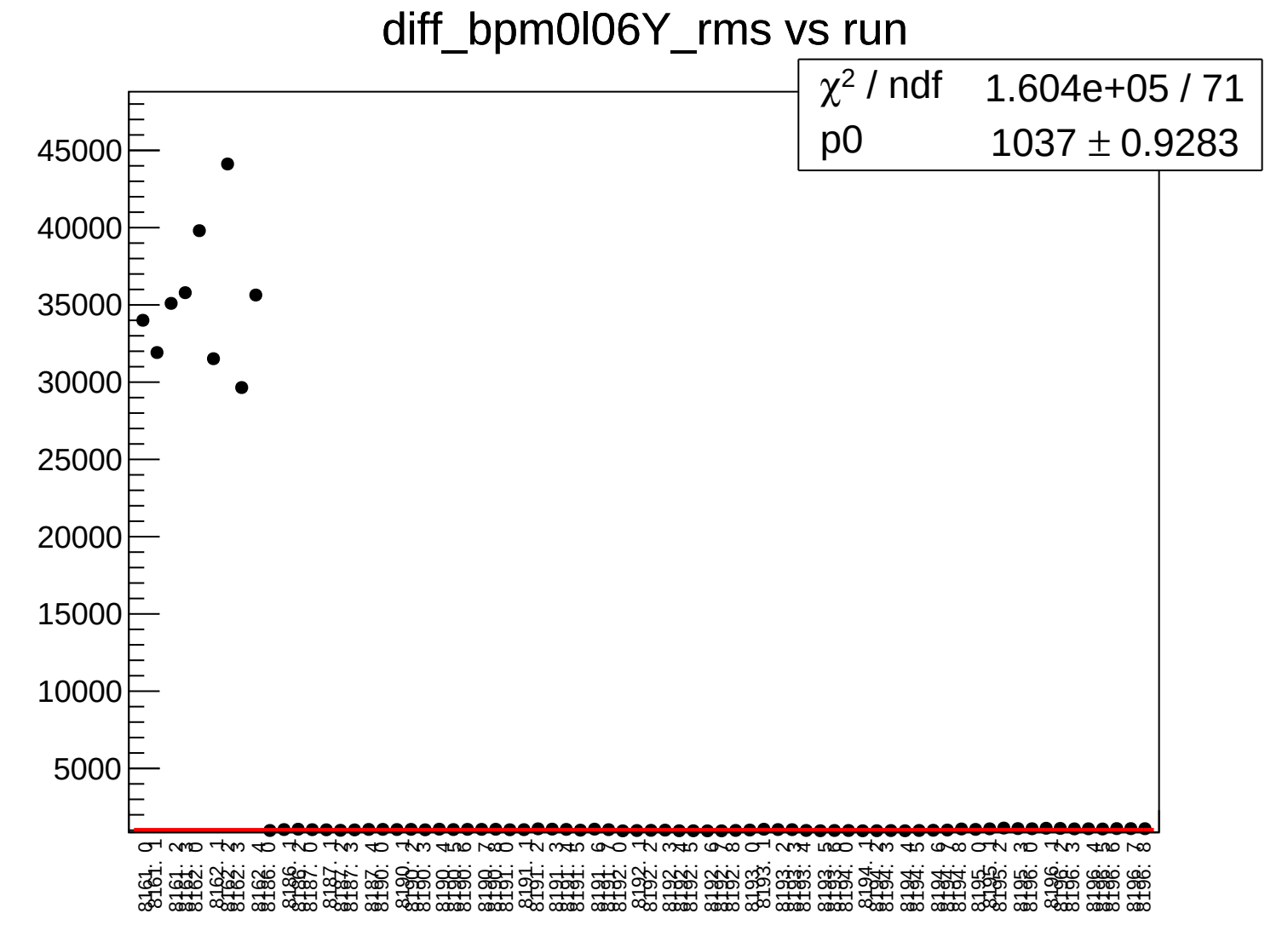

diff_bpm0l06X_mean vs run
χ² / ndf 57.72 / 71
p0 −61.34 ± 7.039
400
200
0
−200
−400
pull
Entries 72
Mean −0.6026
Std Dev 36.11
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

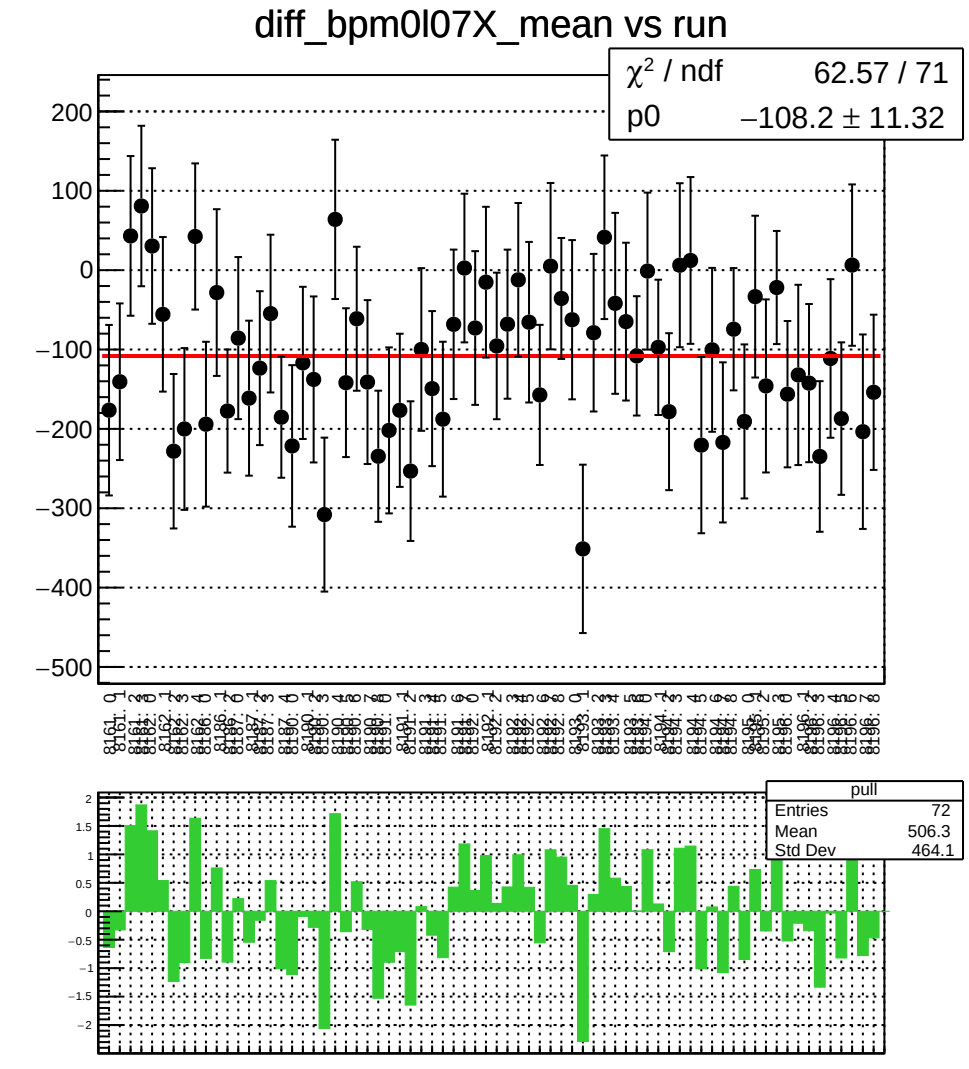

pull1D
Entries 72
Mean 0.04161
Std Dev 0.8944
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

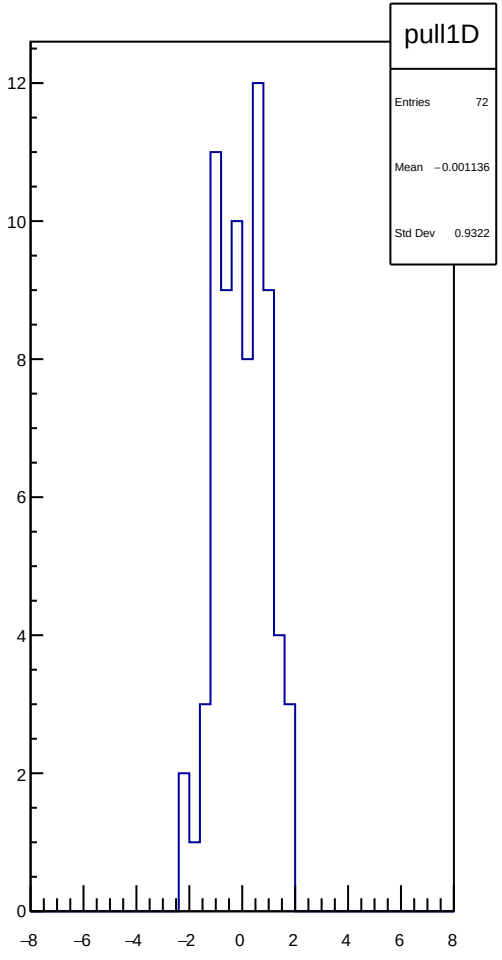

diff_bpm0l06X_rms vs run
χ² / ndf 8.47e+04 / 71
p0 5728 ± 4.978
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000

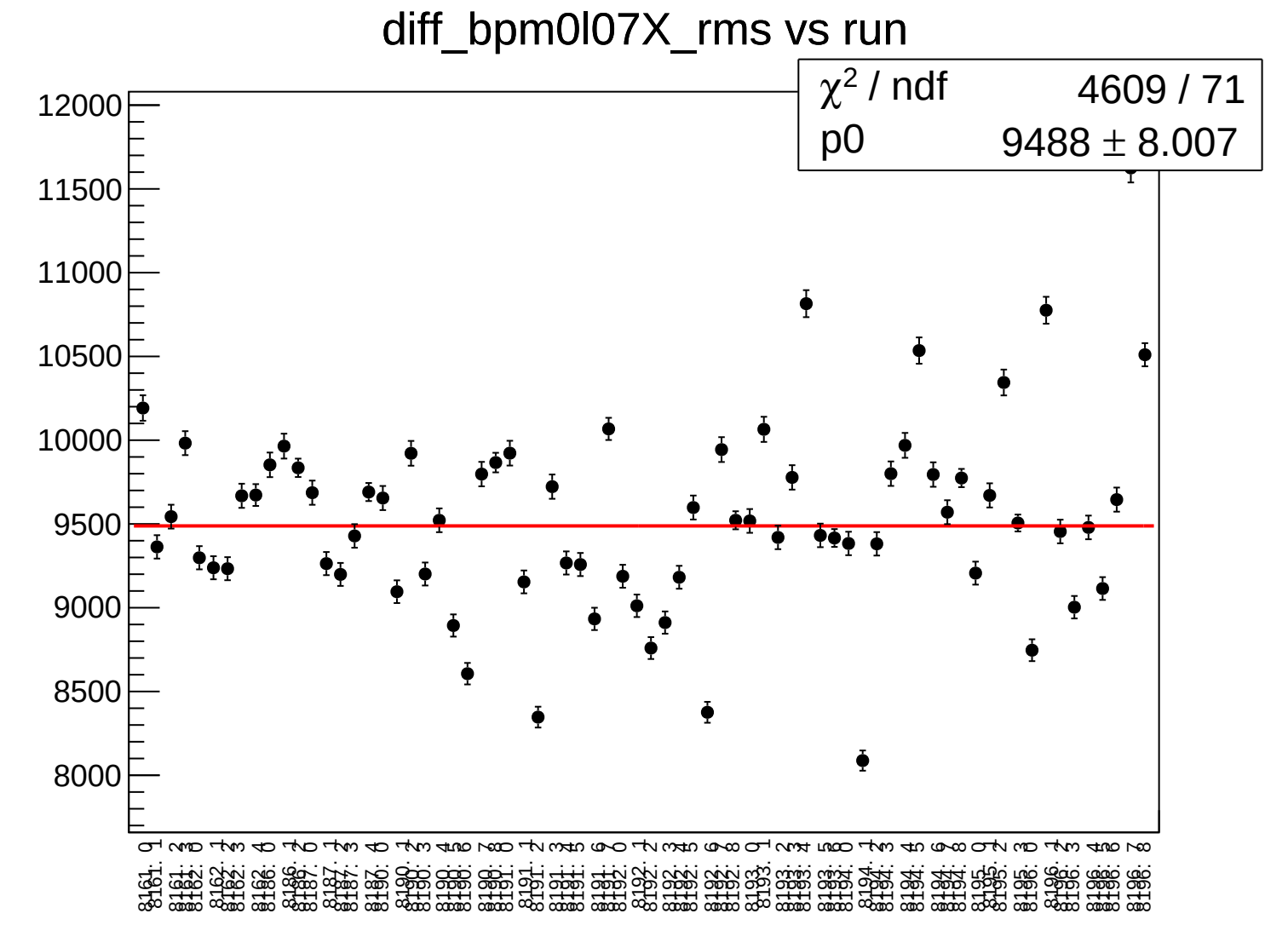

diff_bpm0l06Y_mean vs run
χ² / ndf 112.7 / 71
p0 29.97 ± 1.313
pull
Entries 72
Mean −41.86
Std Dev 84.05

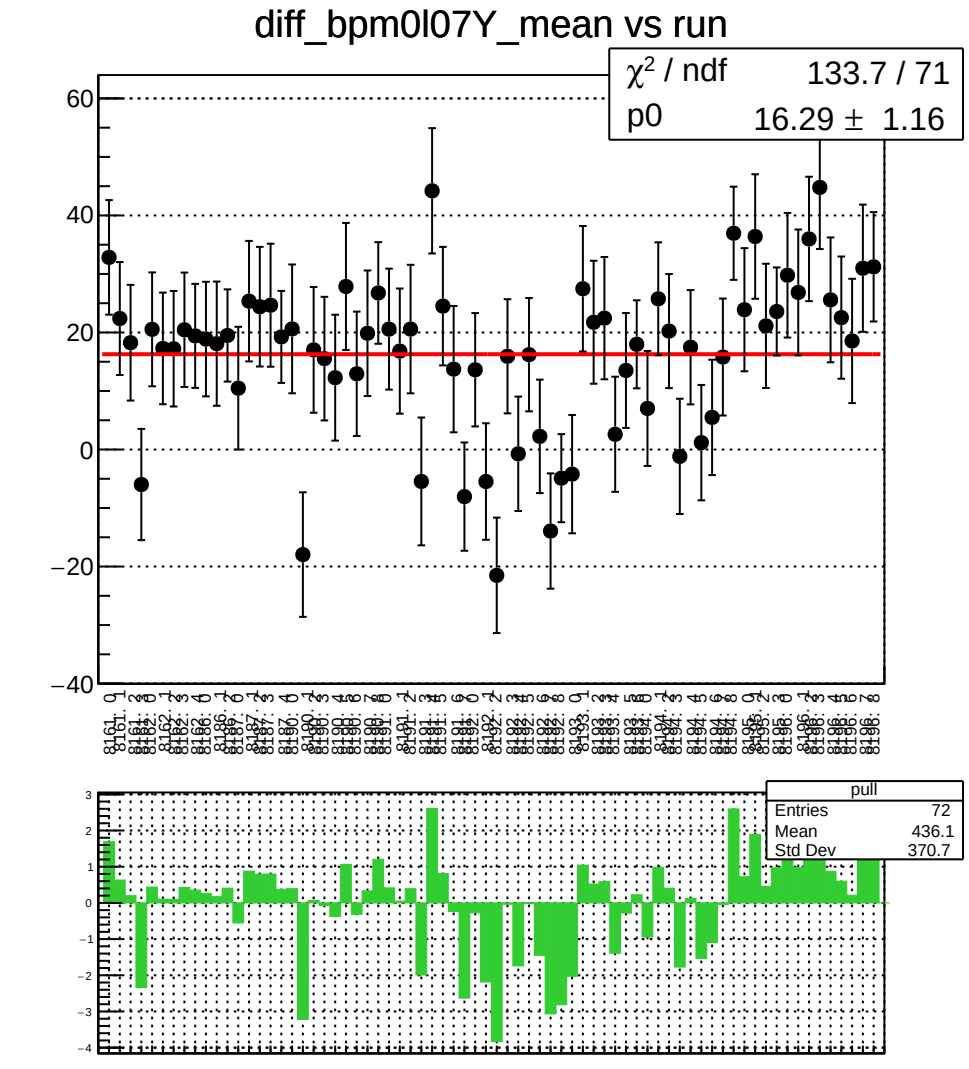

pull1D
Entries 72
Mean −0.04223
Std Dev 1.251

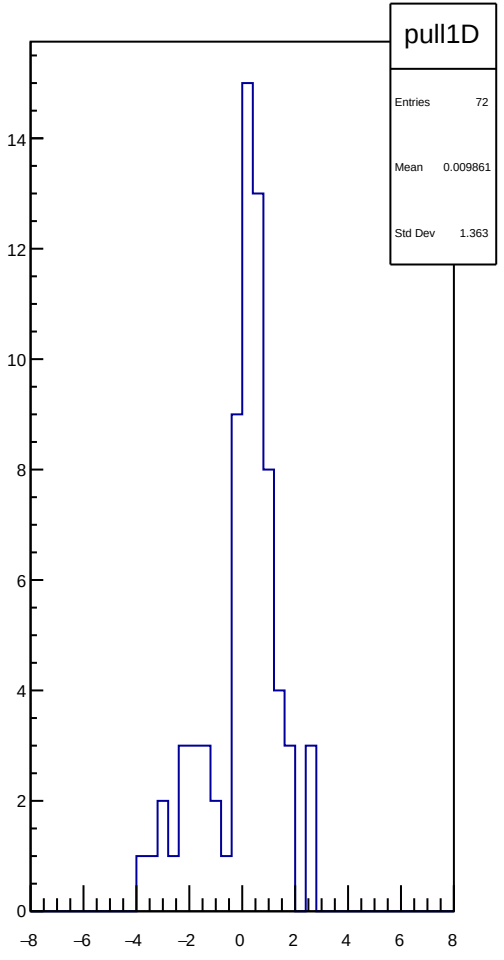

diff_bpm0l06Y_rms vs run
χ² / ndf 1.604e+05 / 71
p0 1037 ± 0.9283
45000
40000
35000
30000
25000
20000
15000
10000
5000

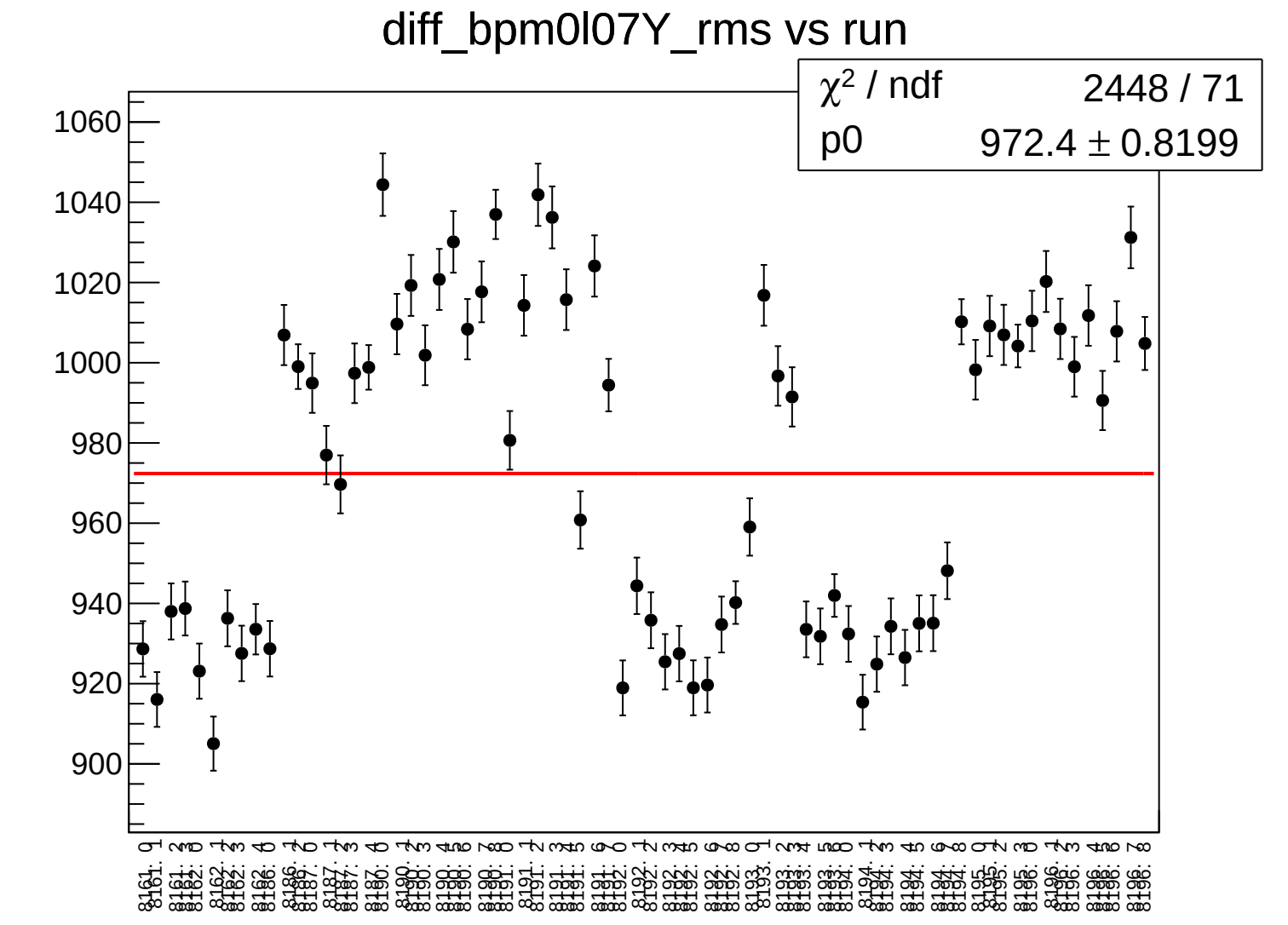

diff_bpm0l07X_mean vs run
χ² / ndf 62.57 / 71
p0 −108.2 ± 11.32
pull
Entries 72
Mean 506.3
Std Dev 464.1

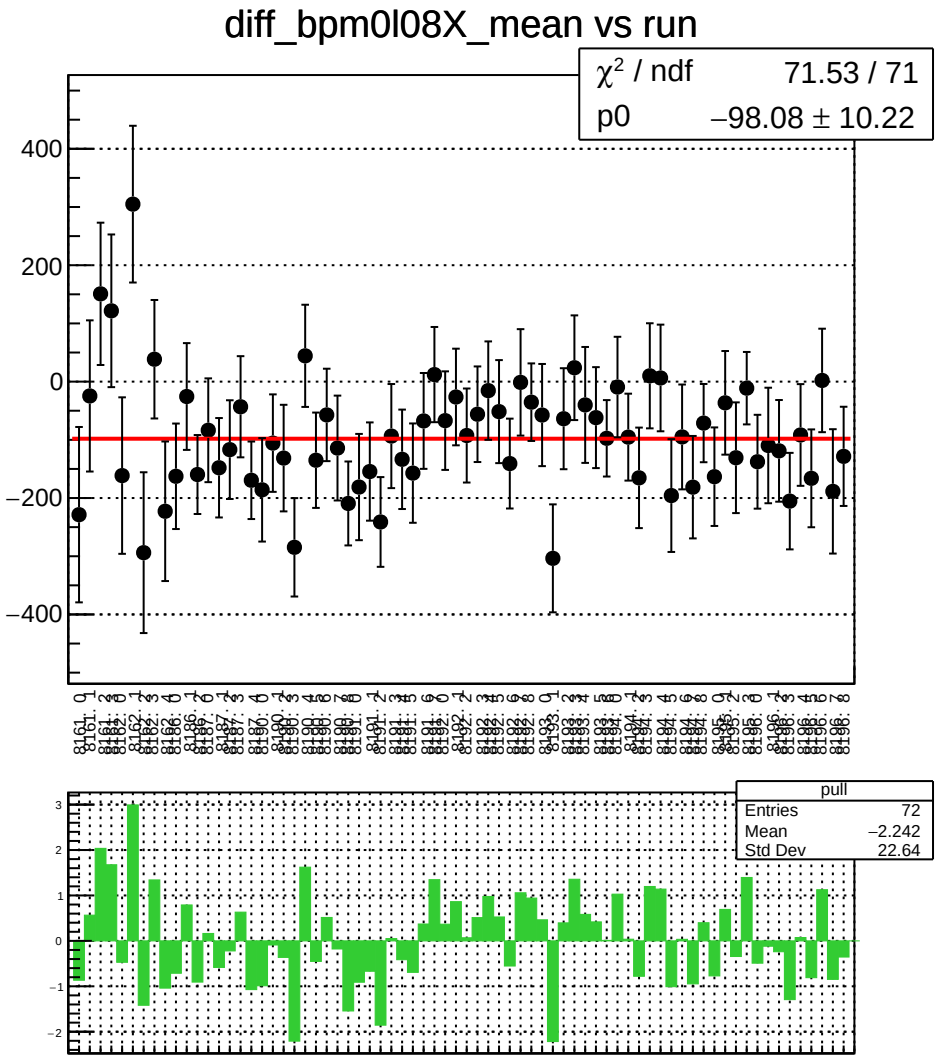

pull1D
Entries 72
Mean −0.001136
Std Dev 0.9322

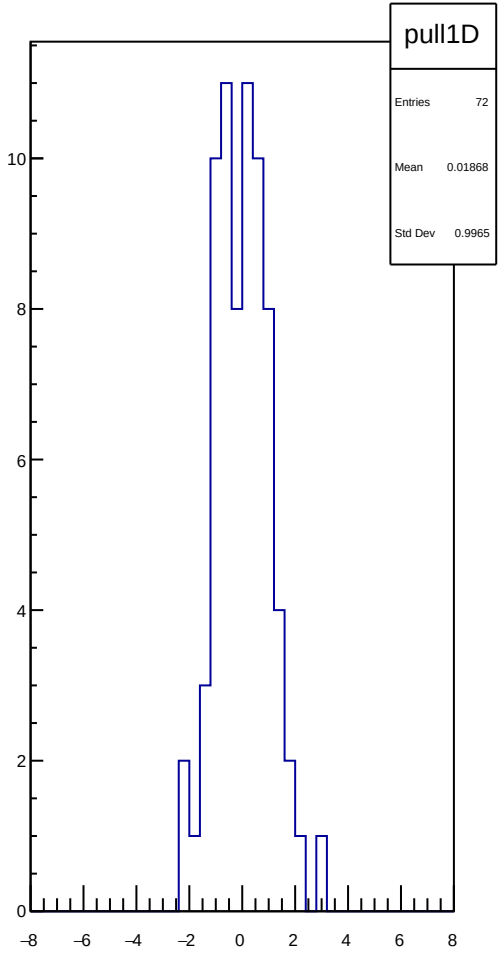

diff_bpm0l07X_rms vs run
χ² / ndf 4609 / 71
p0 9488 ± 8.007
12000
11500
11000
10500
10000
9500
9000
8500
8000

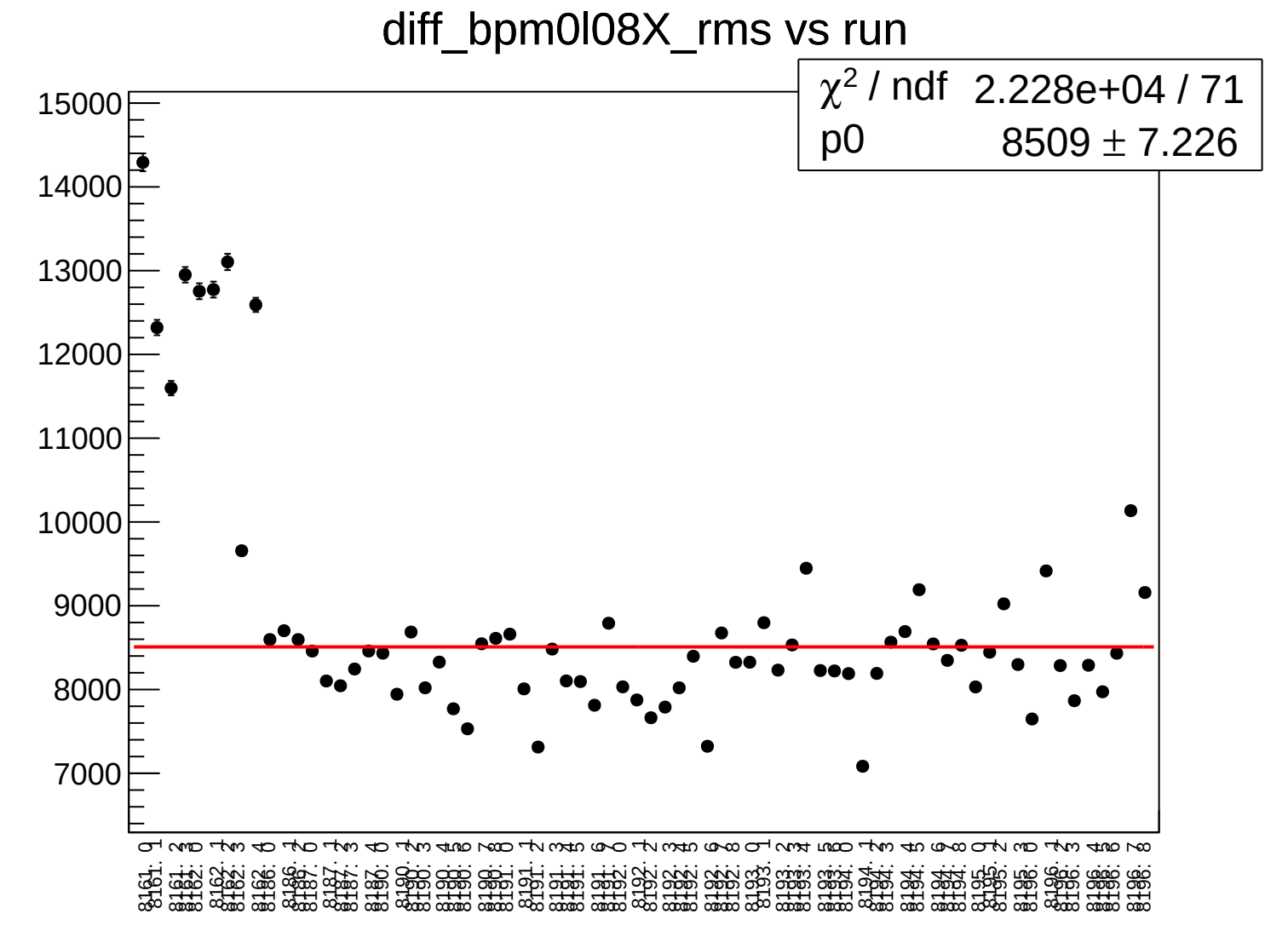

diff_bpm0l07Y_mean vs run
χ² / ndf 133.7 / 71
p0 16.29 ± 1.16
pull
Entries 72
Mean 436.1
Std Dev 370.7

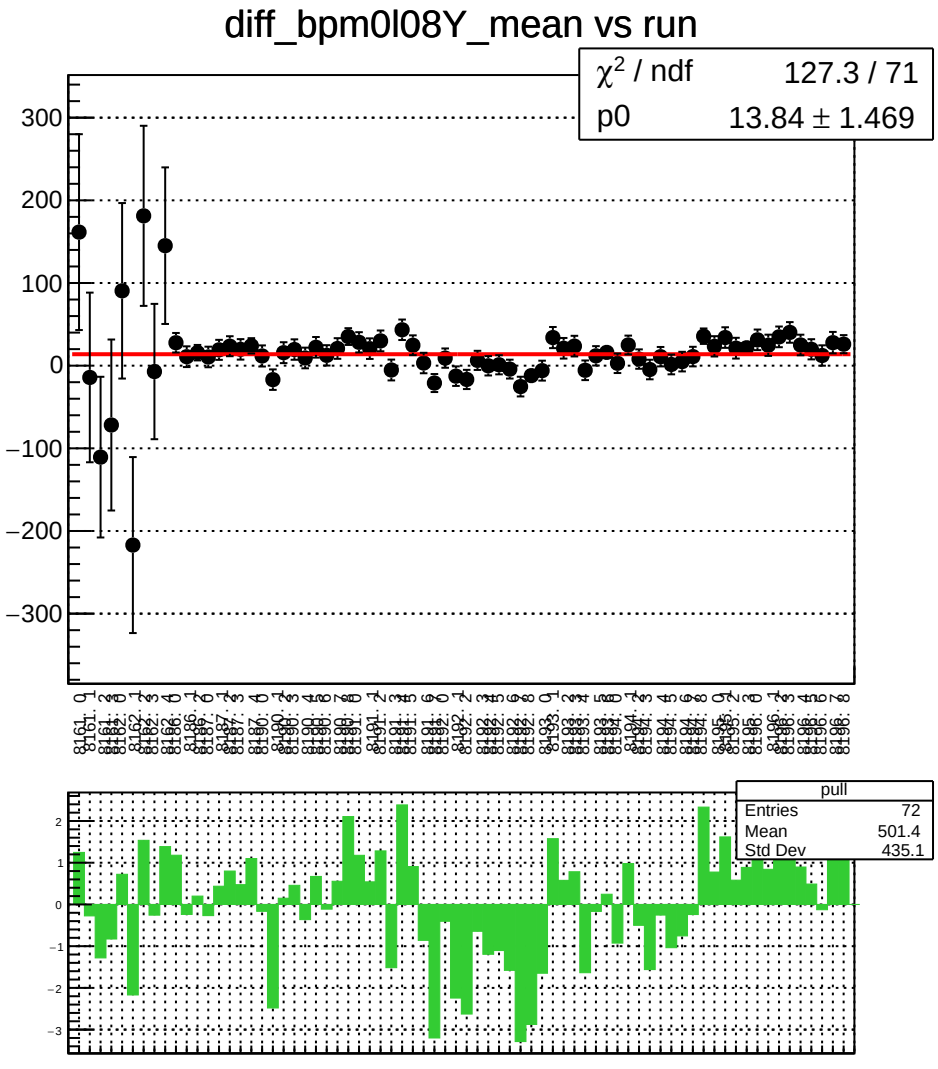

pull1D
Entries 72
Mean 0.009861
Std Dev 1.363

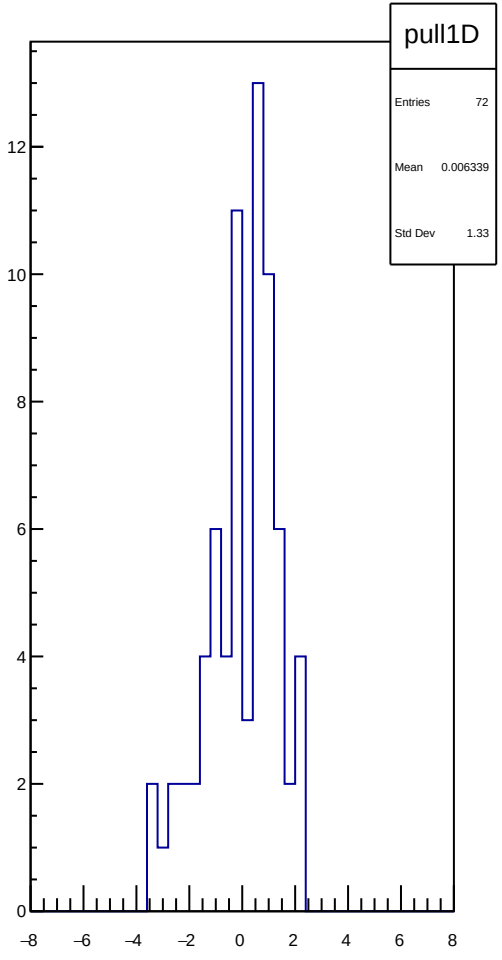

diff_bpm0l07Y_rms vs run
χ² / ndf 2448 / 71
p0 972.4 ± 0.8199
1060
1040
1020
1000
980
960
940
920
900

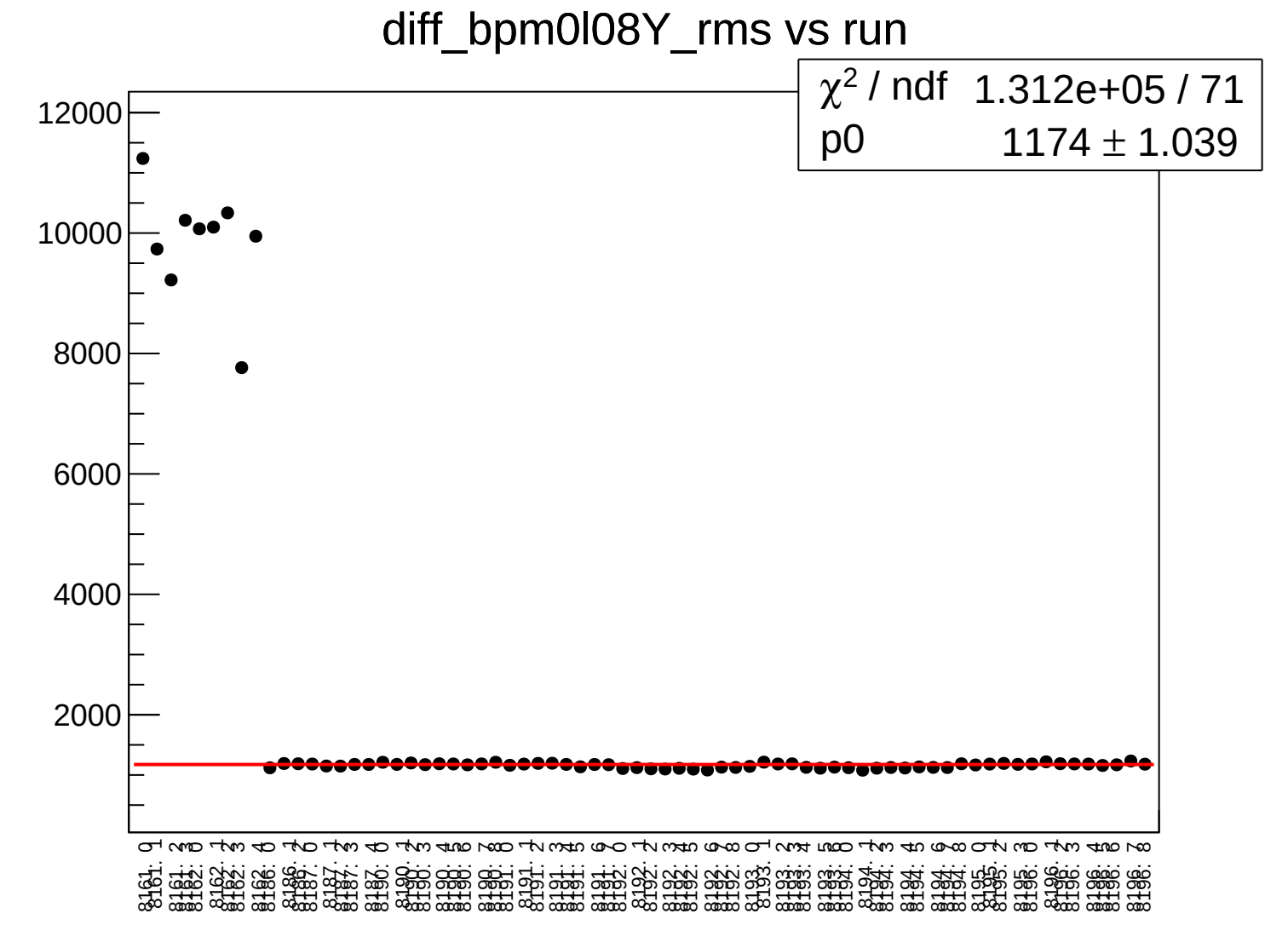

diff_bpm0l08X_mean vs run
χ² / ndf 71.53 / 71
p0 −98.08 ± 10.22
400
200
0
−200
−400
pull
Entries 72
Mean −2.242
Std Dev 22.64
3
2
1
0
−1
−2

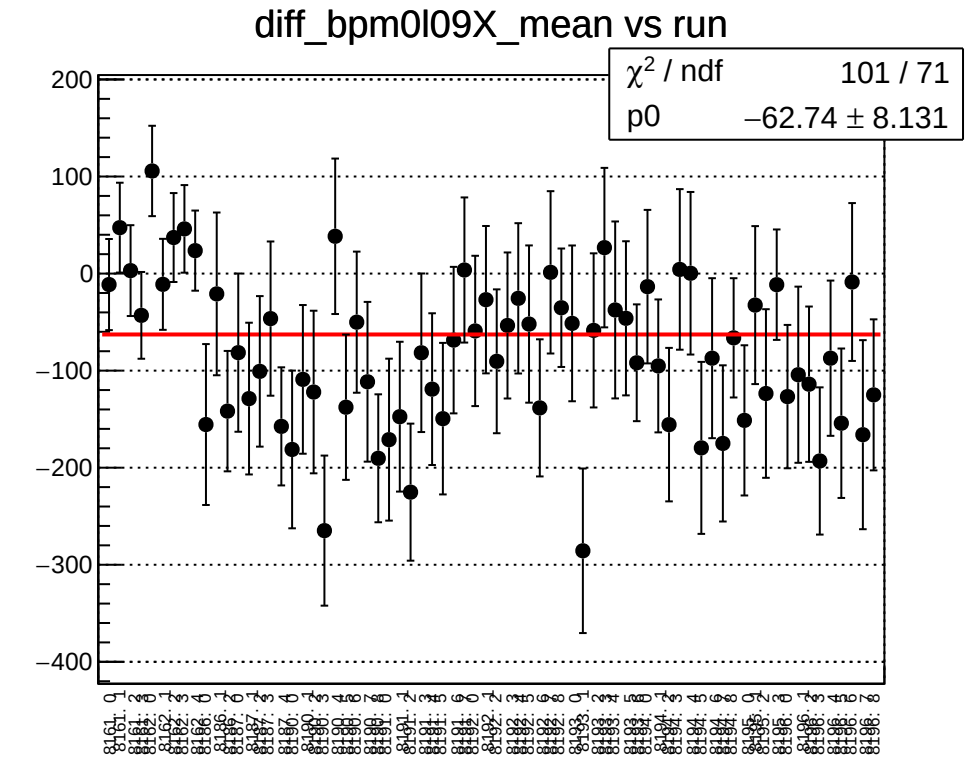

pull1D
Entries 72
Mean 0.01868
Std Dev 0.9965
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

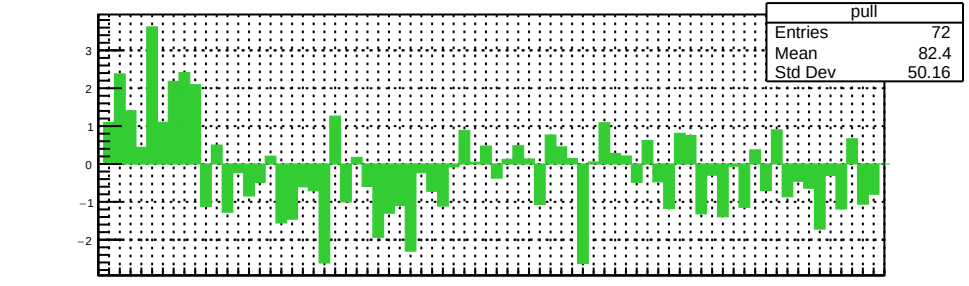

diff_bpm0l08X_rms vs run
χ² / ndf 2.228e+04 / 71
p0 8509 ± 7.226
15000
14000
13000
12000
11000
10000
9000
8000
7000

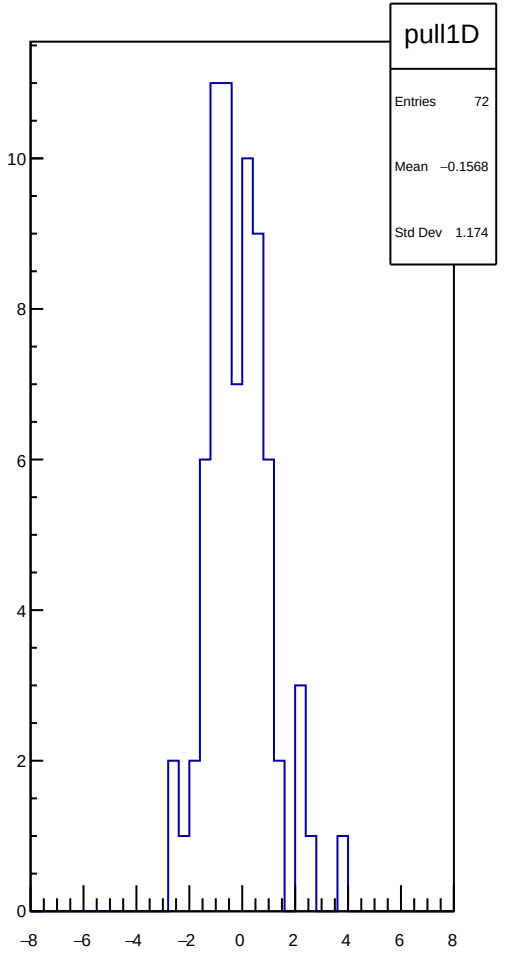

diff_bpm0l08Y_mean vs run
χ² / ndf 127.3 / 71
p0 13.84 ± 1.469
pull
Entries 72
Mean 501.4
Std Dev 435.1

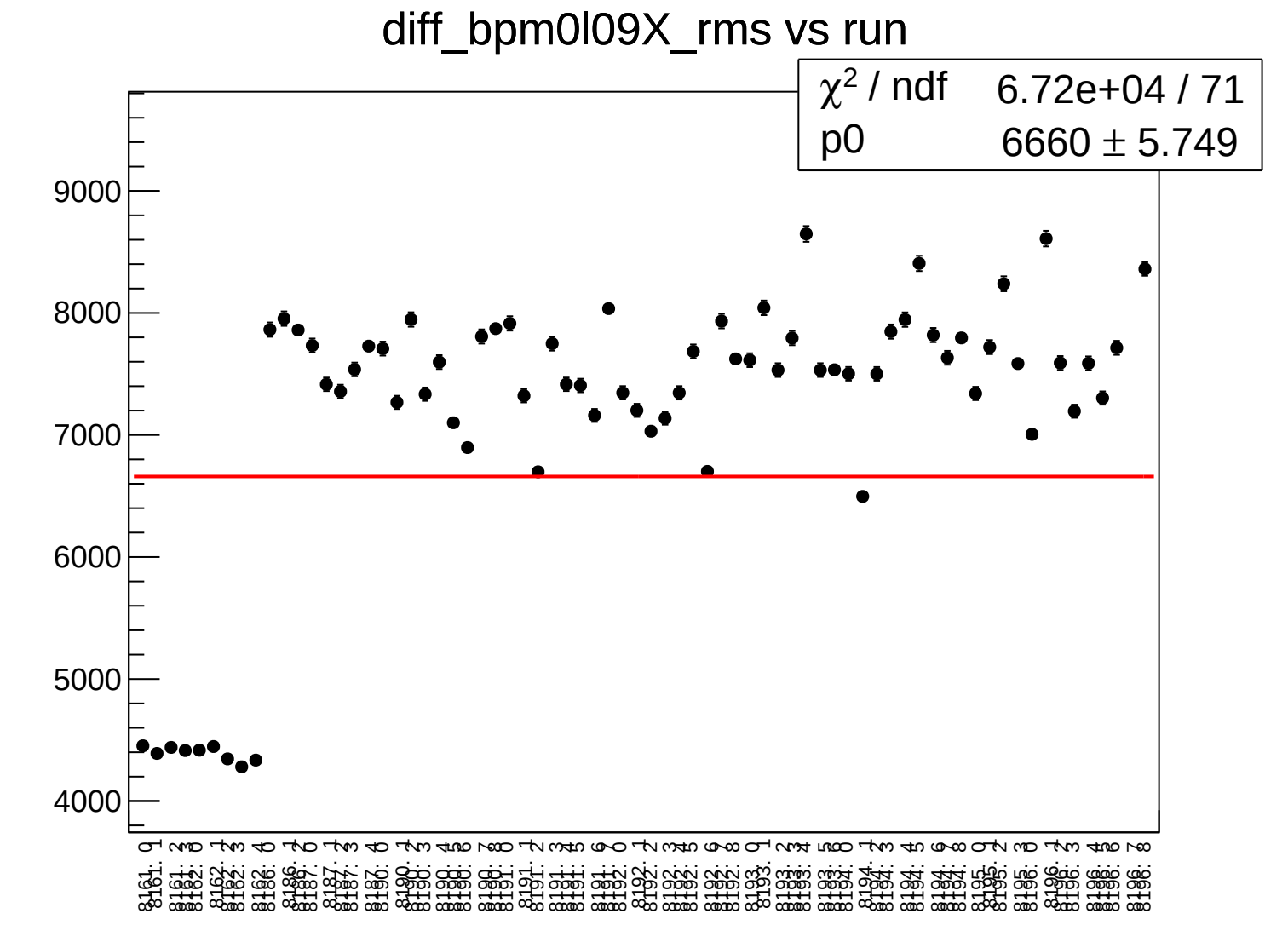

pull1D
Entries 72
Mean 0.006339
Std Dev 1.33

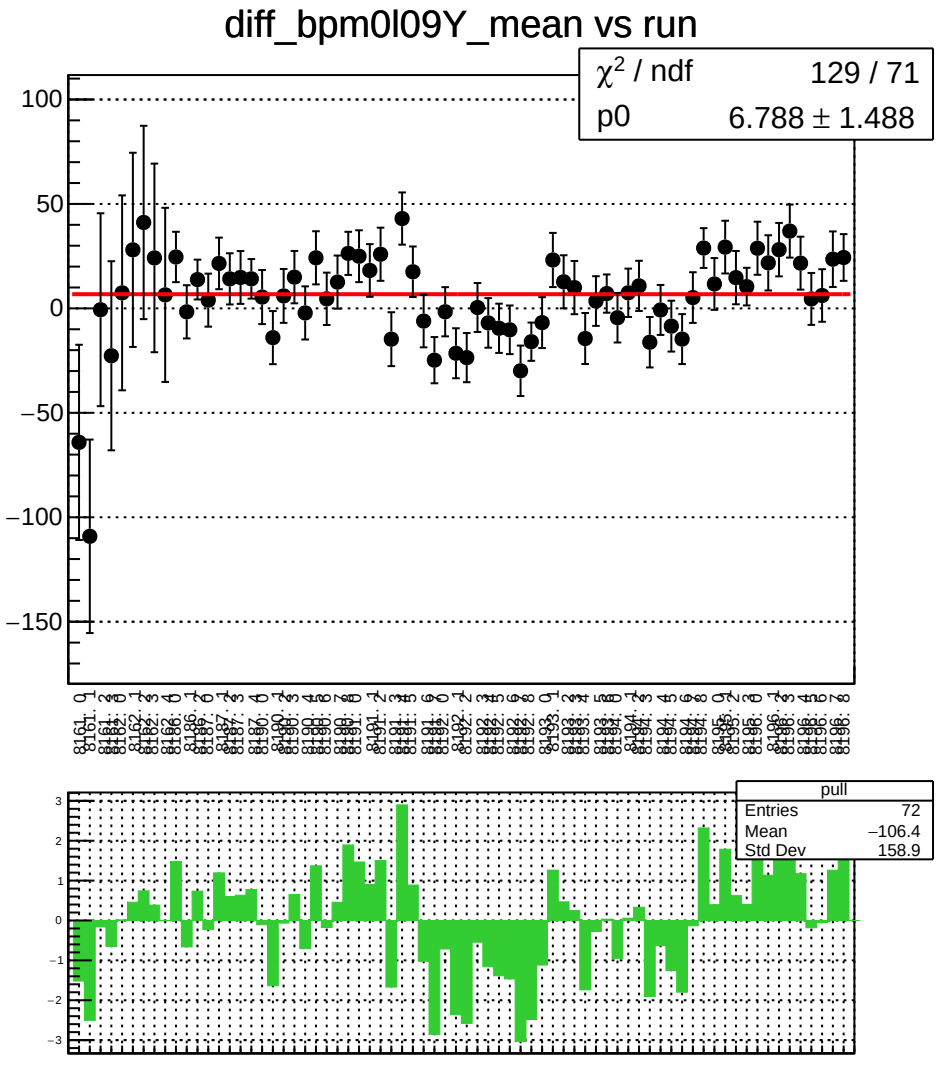

diff_bpm0l08Y_rms vs run
χ² / ndf 1.312e+05 / 71
p0 1174 ± 1.039
12000
10000
8000
6000
4000
2000

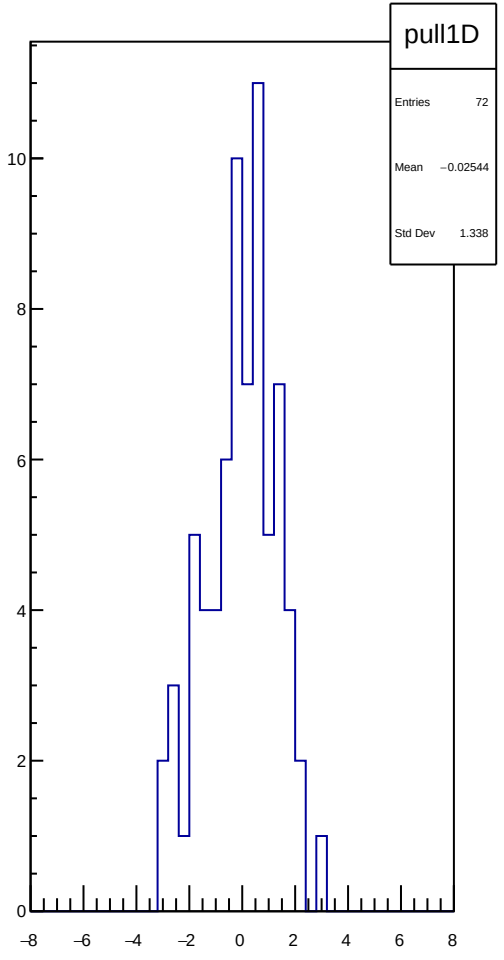

diff_bpm0l09X_mean vs run
χ² / ndf 101 / 71
p0 −62.74 ± 8.131
200
100
0
−100
−200
−300
−400

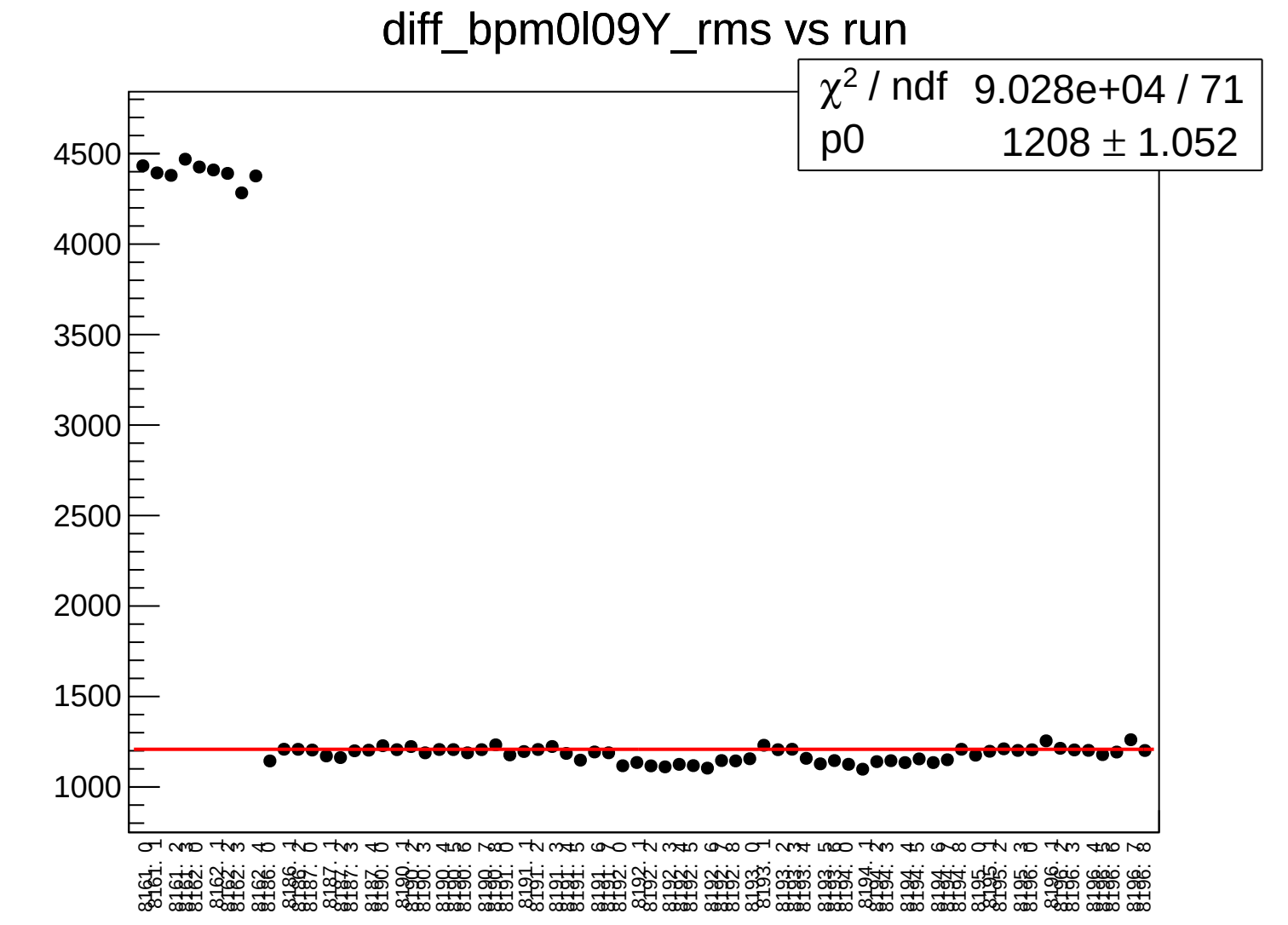

pull
Entries 72
Mean 82.4
Std Dev 50.16
3
2
1
0
−1
−2

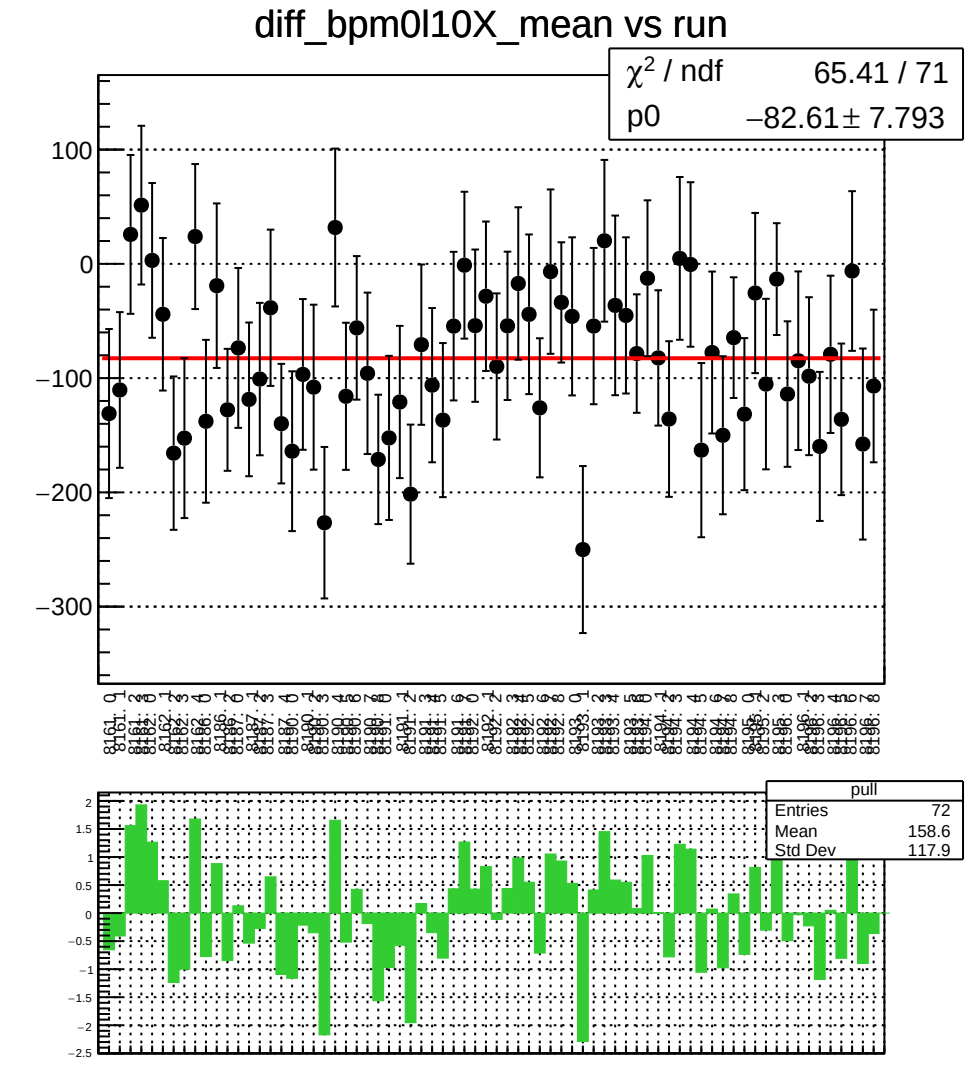

pull1D
Entries 72
Mean −0.1568
Std Dev 1.174
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

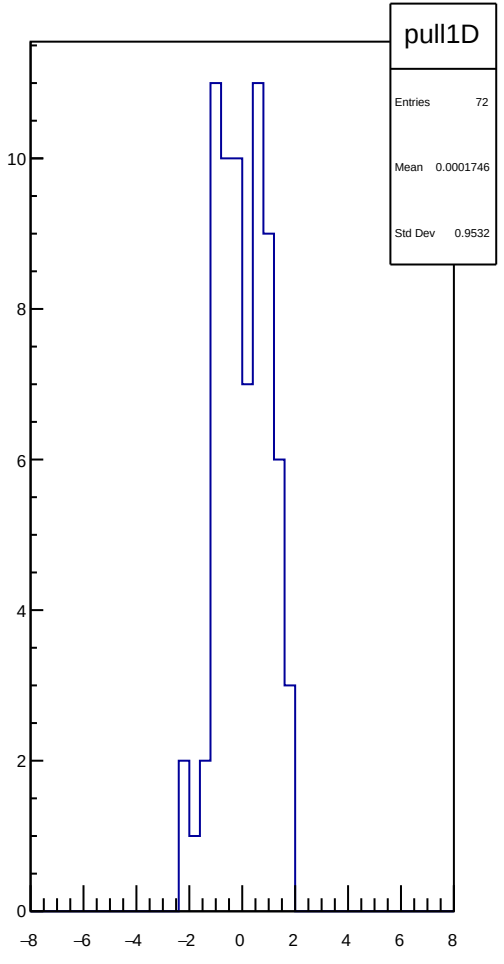

diff_bpm0l09X_rms vs run
χ² / ndf 6.72e+04 / 71
p0 6660 ± 5.749
9000
8000
7000
6000
5000
4000

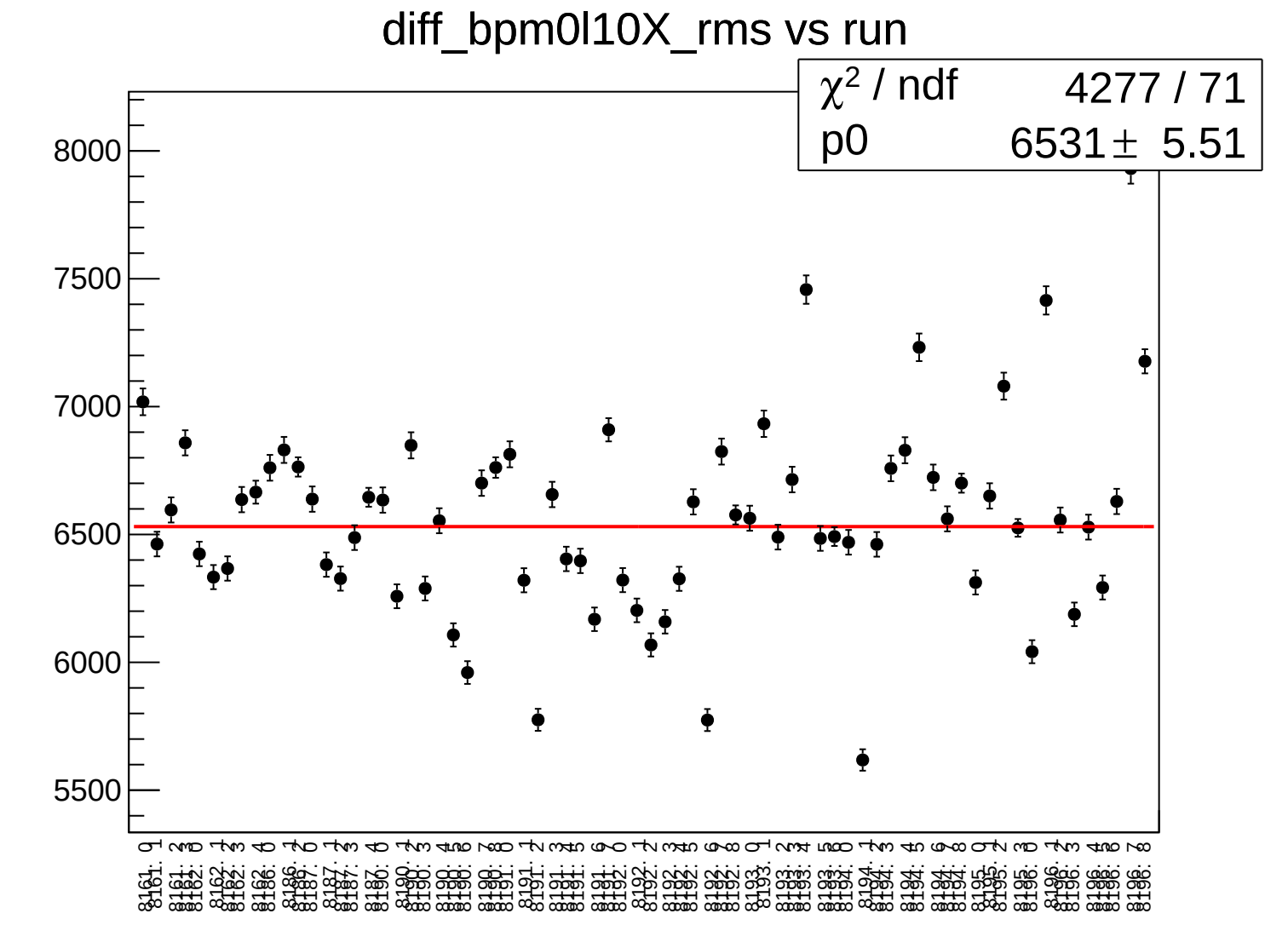

diff_bpm0l09Y_mean vs run
χ² / ndf 129 / 71
p0 6.788 ± 1.488
100
50
0
−50
−100
−150
pull
Entries 72
Mean −106.4
Std Dev 158.9
3
2
1
0
−1
−2
−3

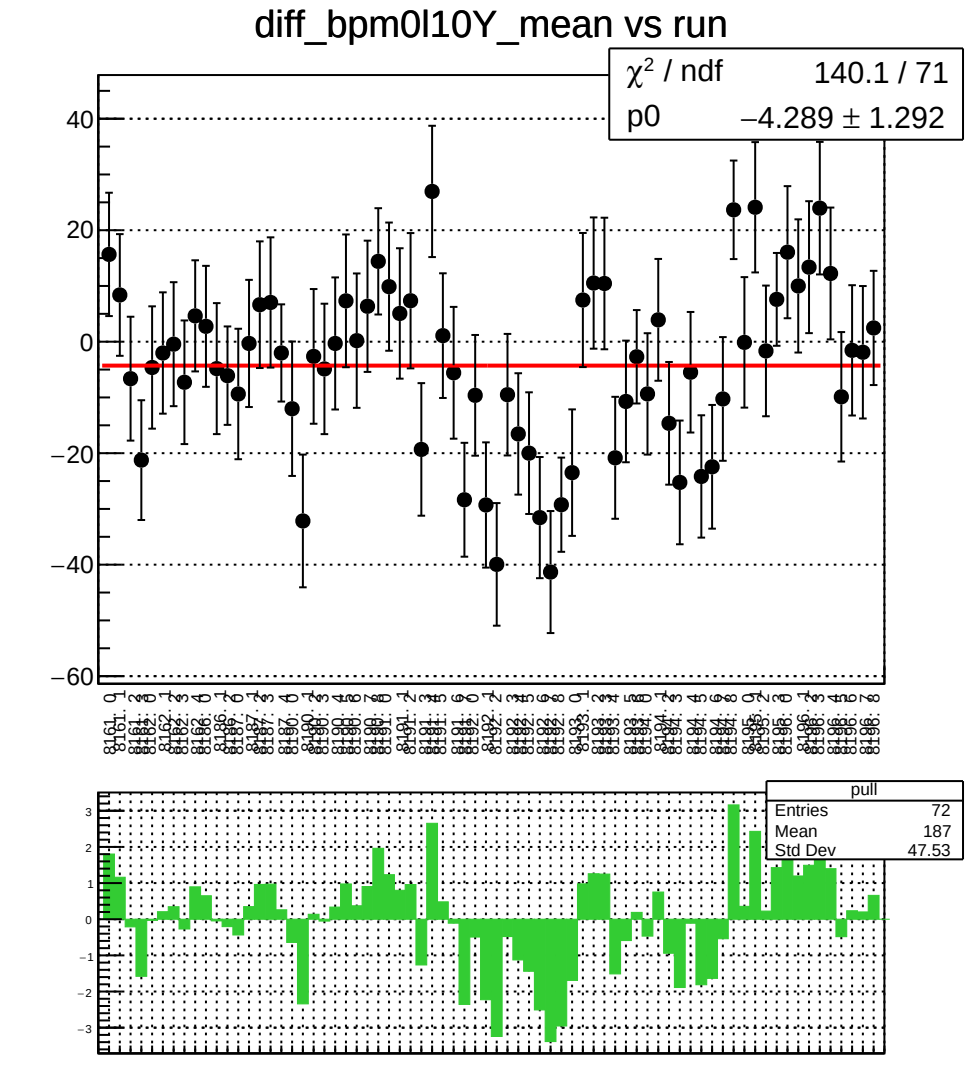

pull1D
Entries 72
Mean −0.02544
Std Dev 1.338
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

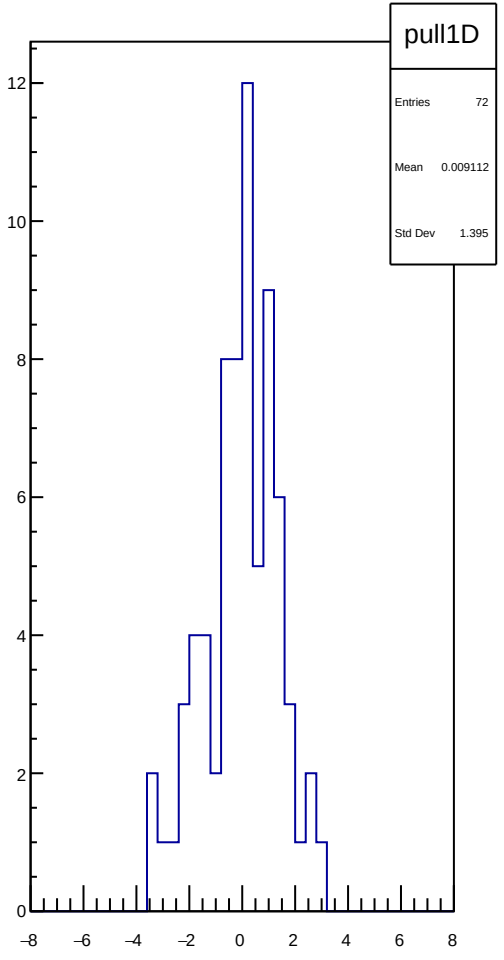

diff_bpm0l09Y_rms vs run
χ² / ndf 9.028e+04 / 71
p0 1208 ± 1.052
4500
4000
3500
3000
2500
2000
1500
1000

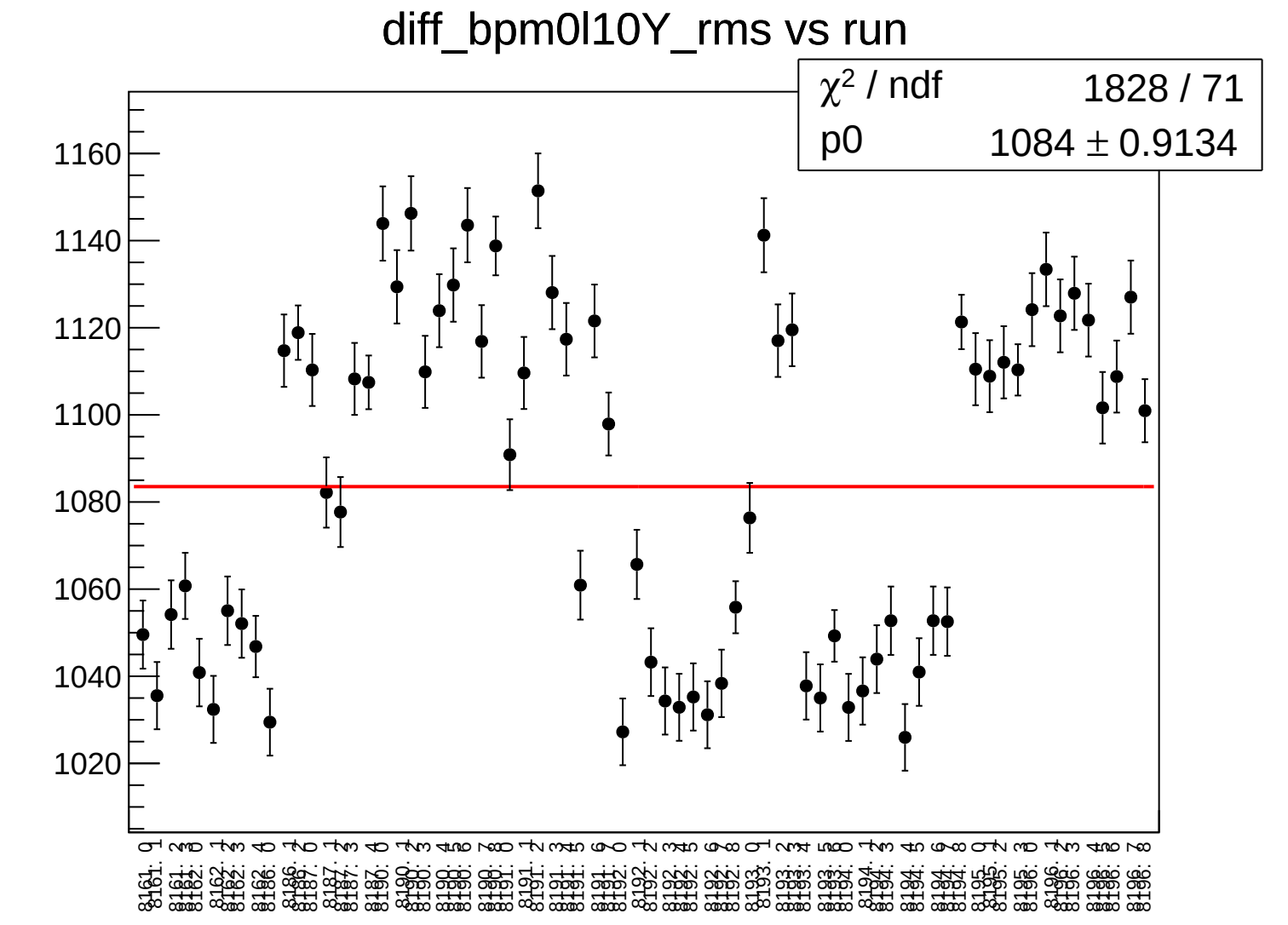

diff_bpm0l10X_mean vs run
χ² / ndf 65.41 / 71
p0 −82.61 ± 7.793
pull
Entries 72
Mean 158.6
Std Dev 117.9

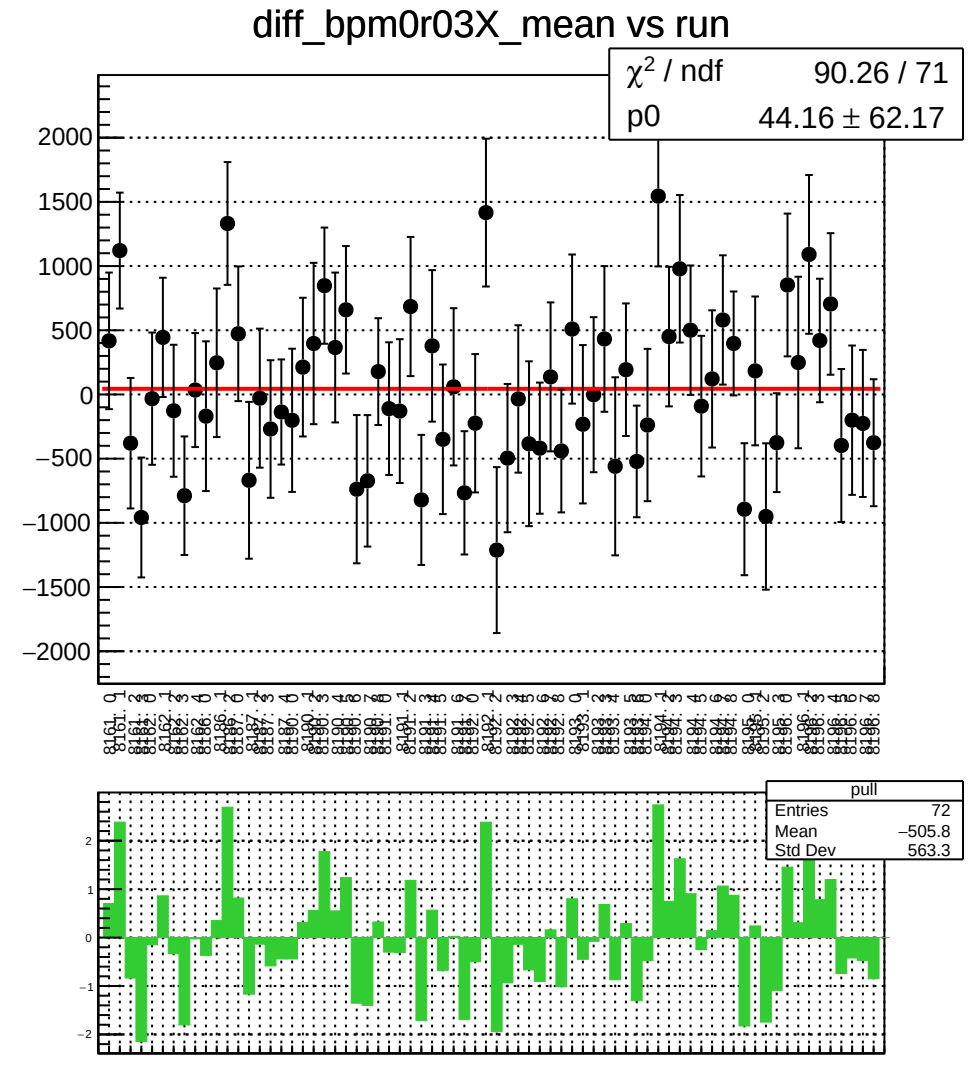

pull1D
Entries 72
Mean 0.0001746
Std Dev 0.9532

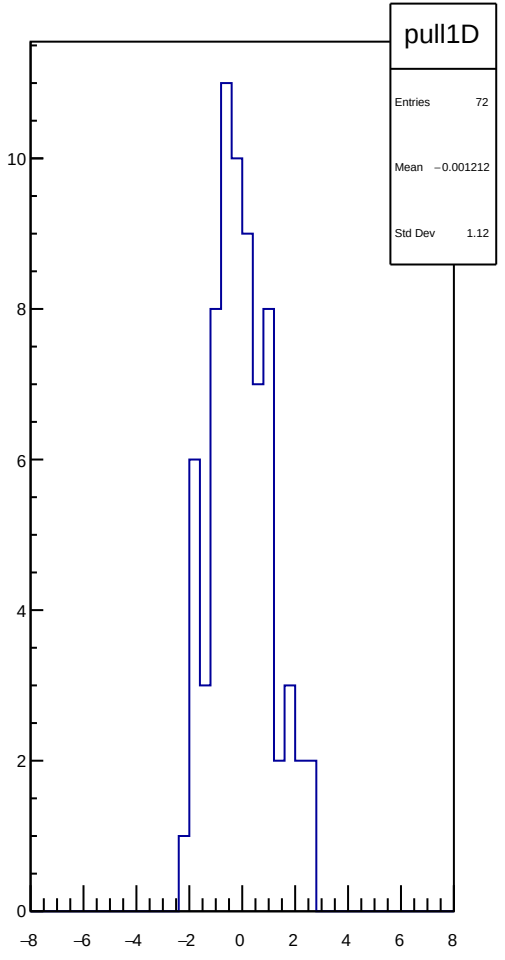

diff_bpm0l10X_rms vs run
χ² / ndf 4277 / 71
p0 6531 ± 5.51
8000
7500
7000
6500
6000
5500

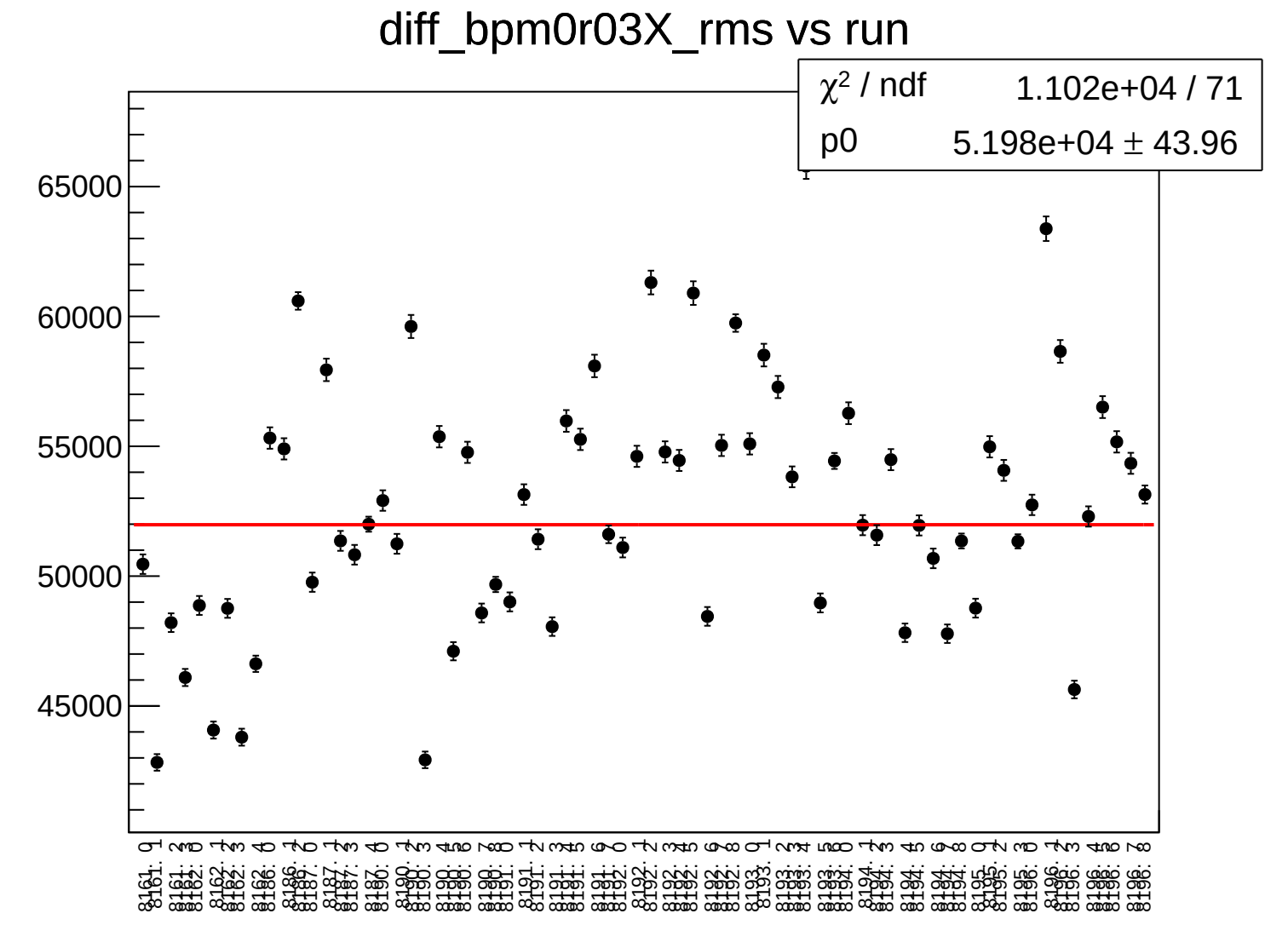

diff_bpm0l10Y_mean vs run
χ² / ndf 140.1 / 71
p0 −4.289 ± 1.292
pull
Entries 72
Mean 187
Std Dev 47.53

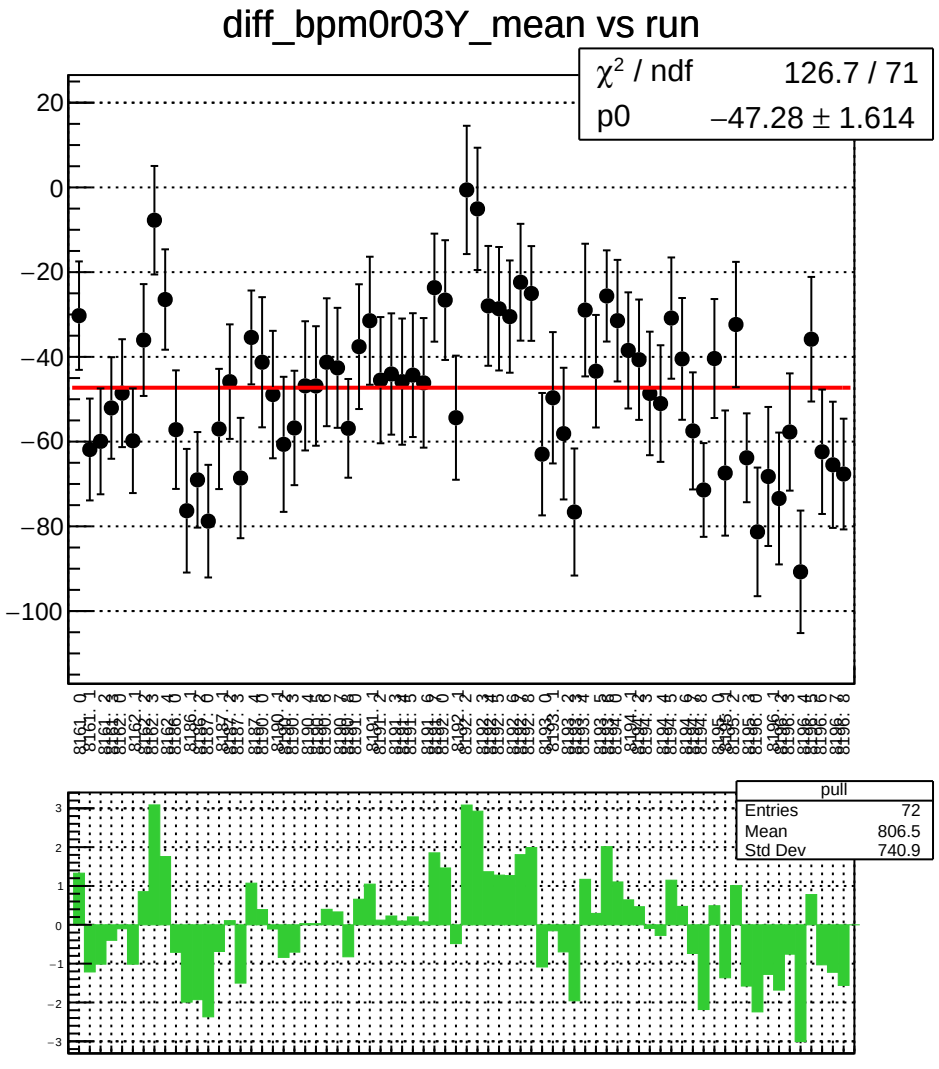

pull1D
Entries 72
Mean 0.009112
Std Dev 1.395

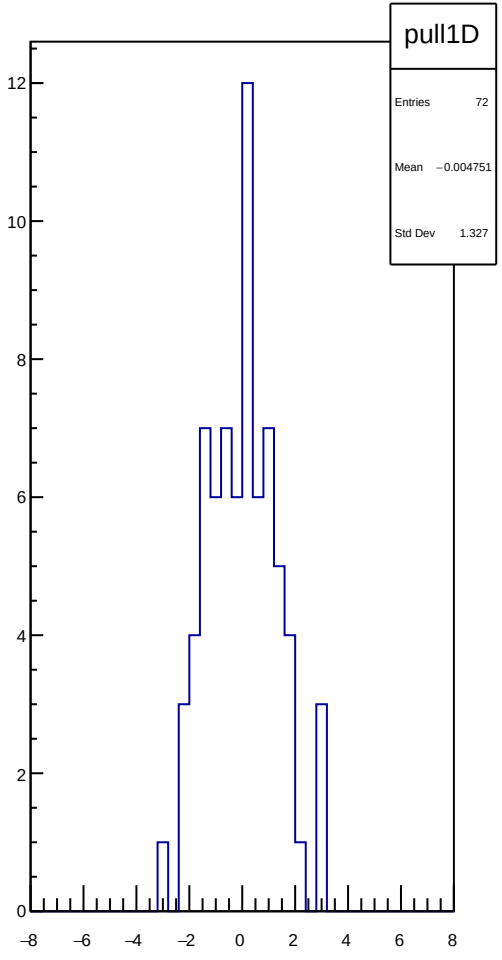

diff_bpm0l10Y_rms vs run
χ² / ndf 1828 / 71
p0 1084 ± 0.9134
1160
1140
1120
1100
1080
1060
1040
1020

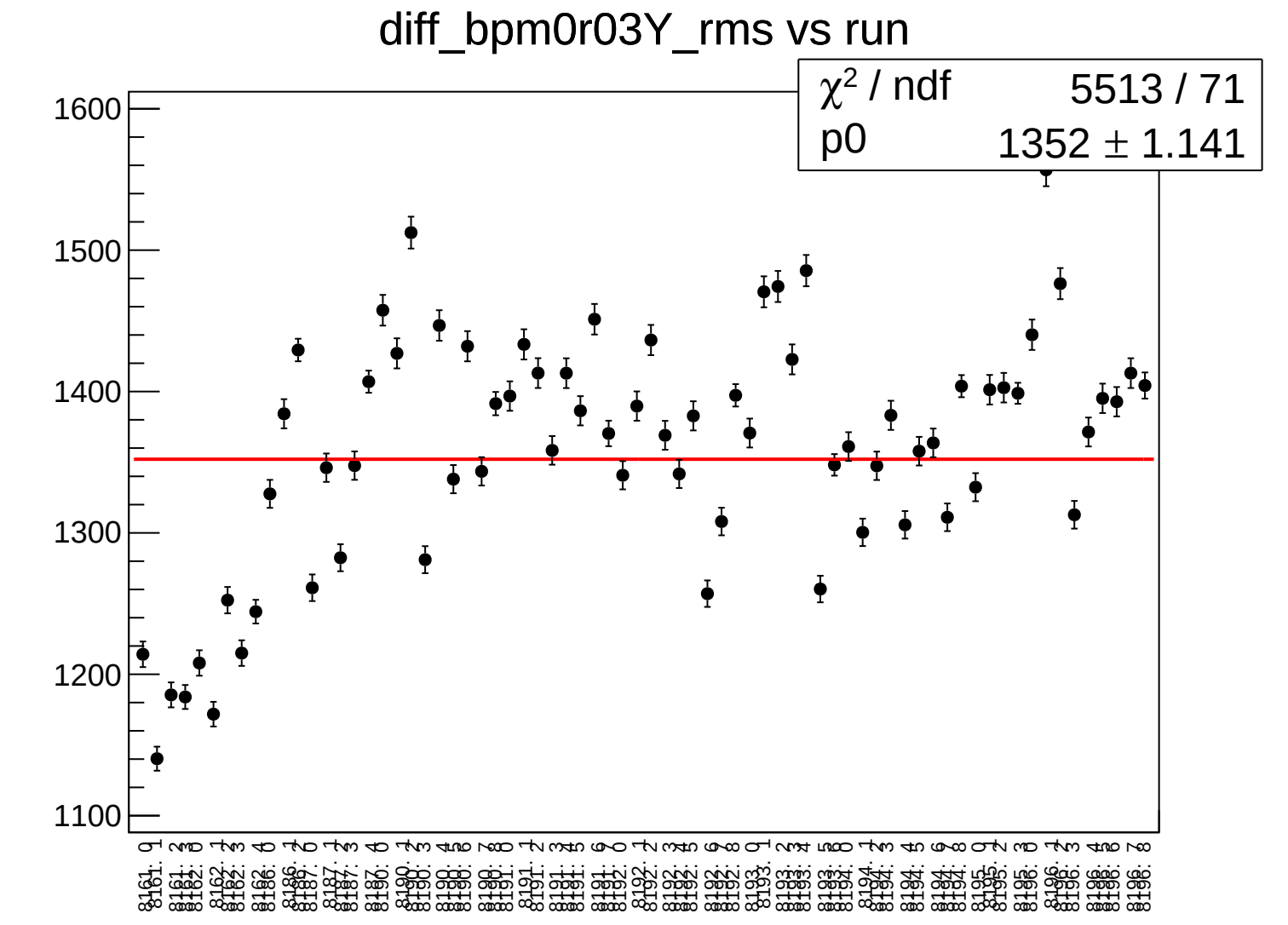

diff_bpm0r03X_mean vs run
χ^2 / ndf 90.26 / 71
p0 44.16 ± 62.17
pull
Entries 72
Mean −505.8
Std Dev 563.3

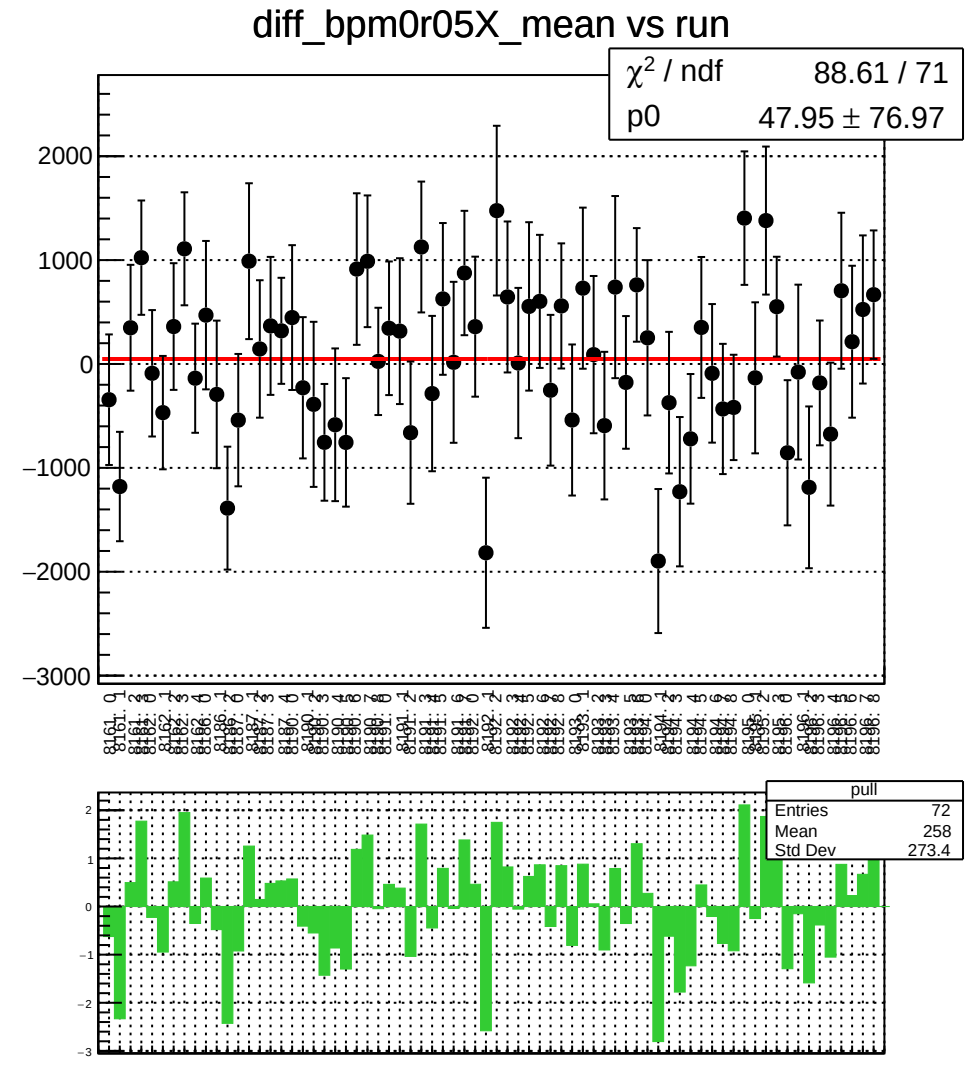

pull1D
Entries 72
Mean −0.001212
Std Dev 1.12

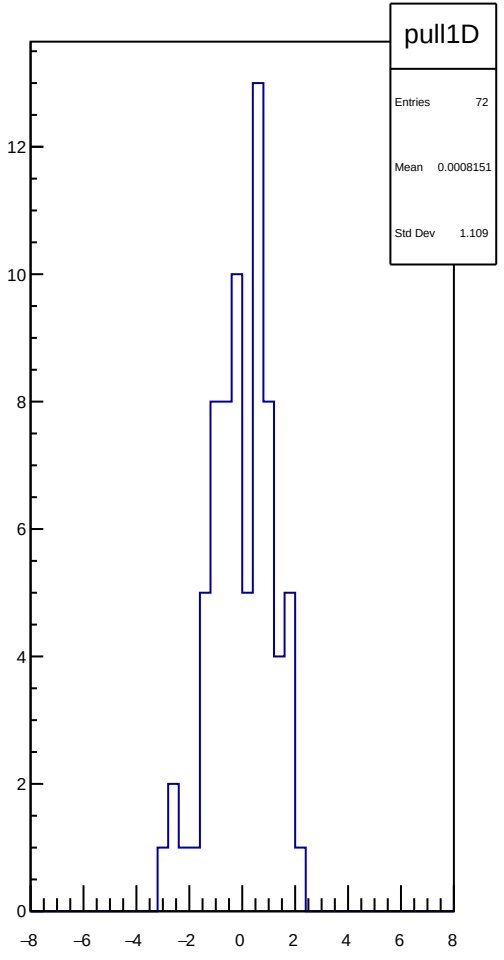

diff_bpm0r03X_rms vs run
χ² / ndf 1.102e+04 / 71
p0 5.198e+04 ± 43.96
65000
60000
55000
50000
45000

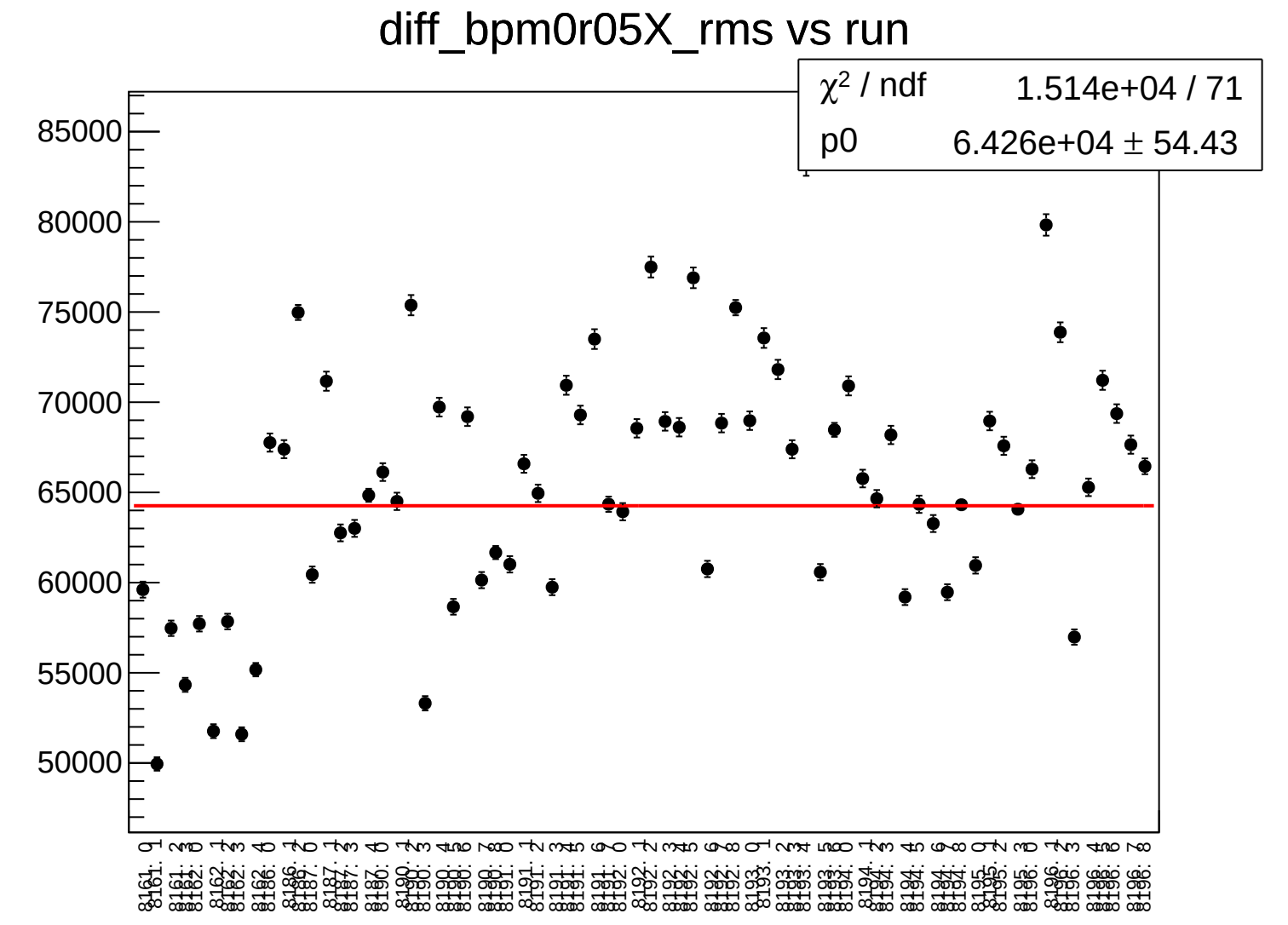

diff_bpm0r03Y_mean vs run
χ² / ndf 126.7 / 71
p0 −47.28 ± 1.614
pull
Entries 72
Mean 806.5
Std Dev 740.9

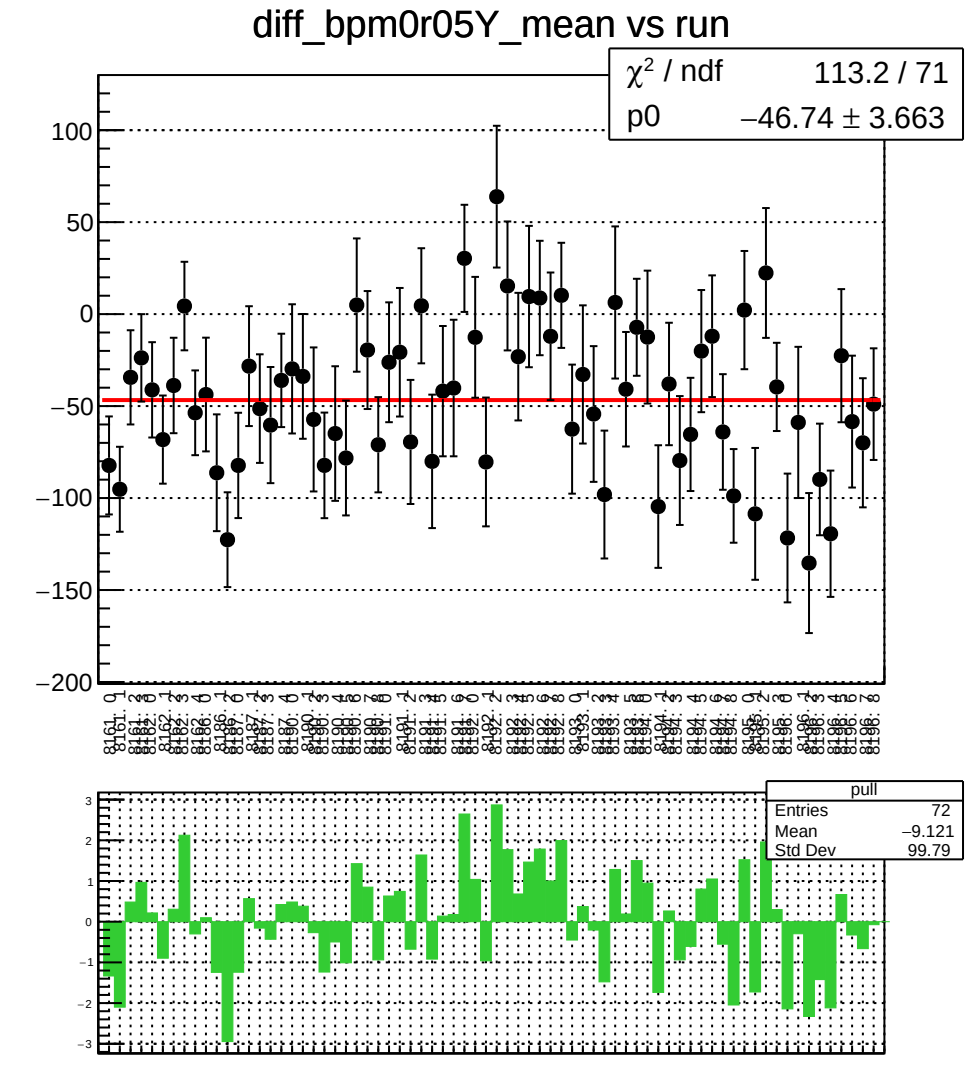

pull1D
Entries 72
Mean −0.004751
Std Dev 1.327

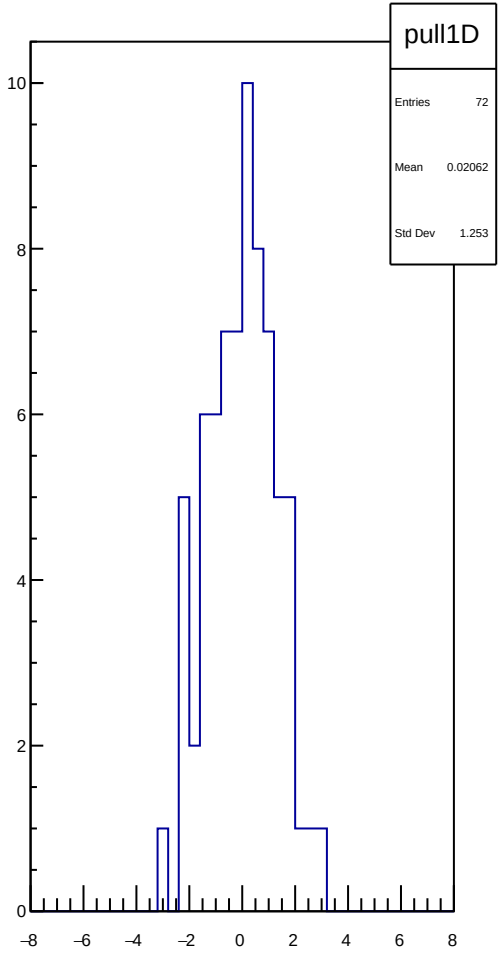

diff_bpm0r03Y_rms vs run
χ² / ndf 5513 / 71
p0 1352 ± 1.141
1600
1500
1400
1300
1200
1100

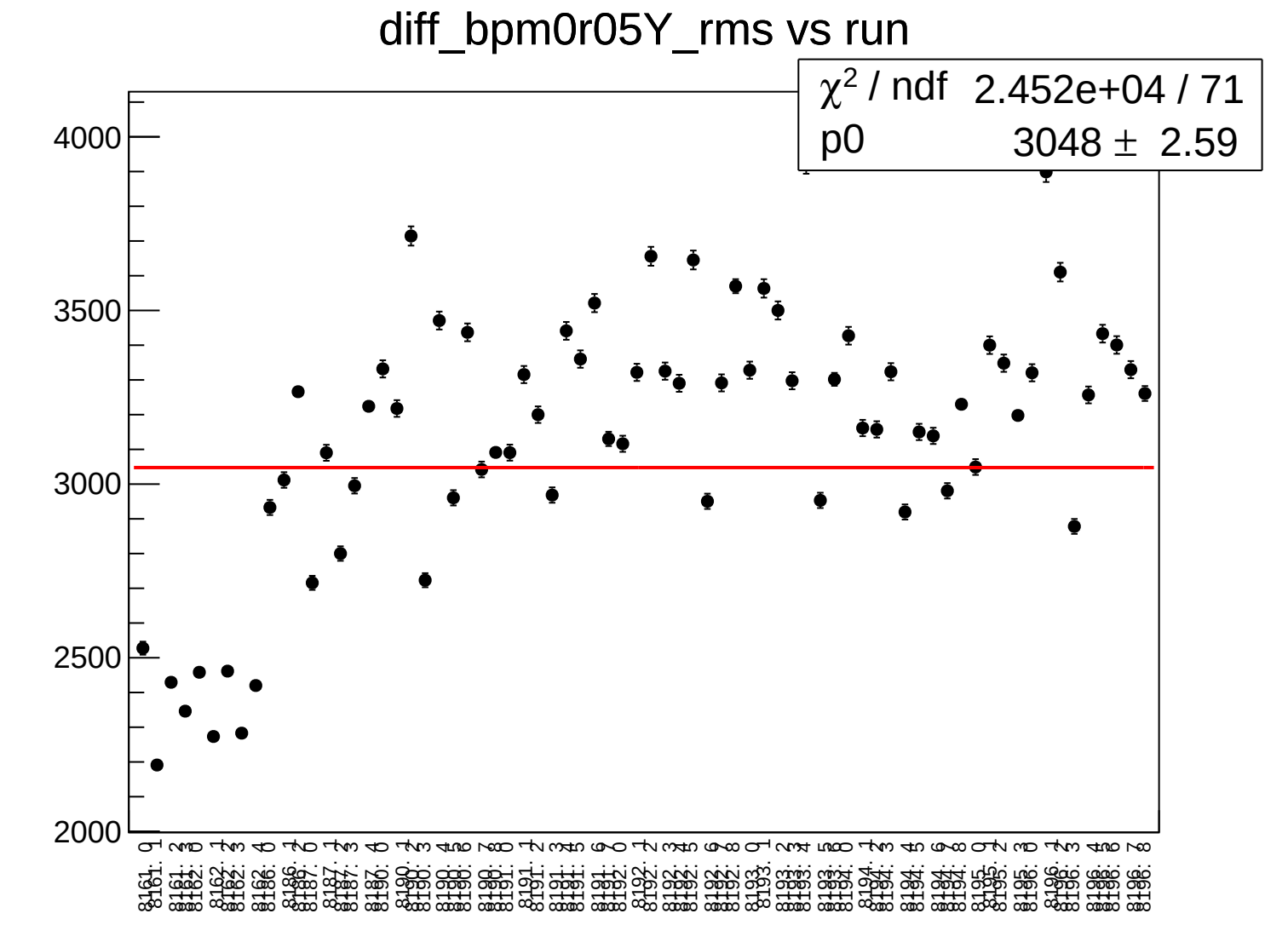

diff_bpm0r05X_mean vs run
χ² / ndf 88.61 / 71
p0 47.95 ± 76.97
pull
Entries 72
Mean 258
Std Dev 273.4

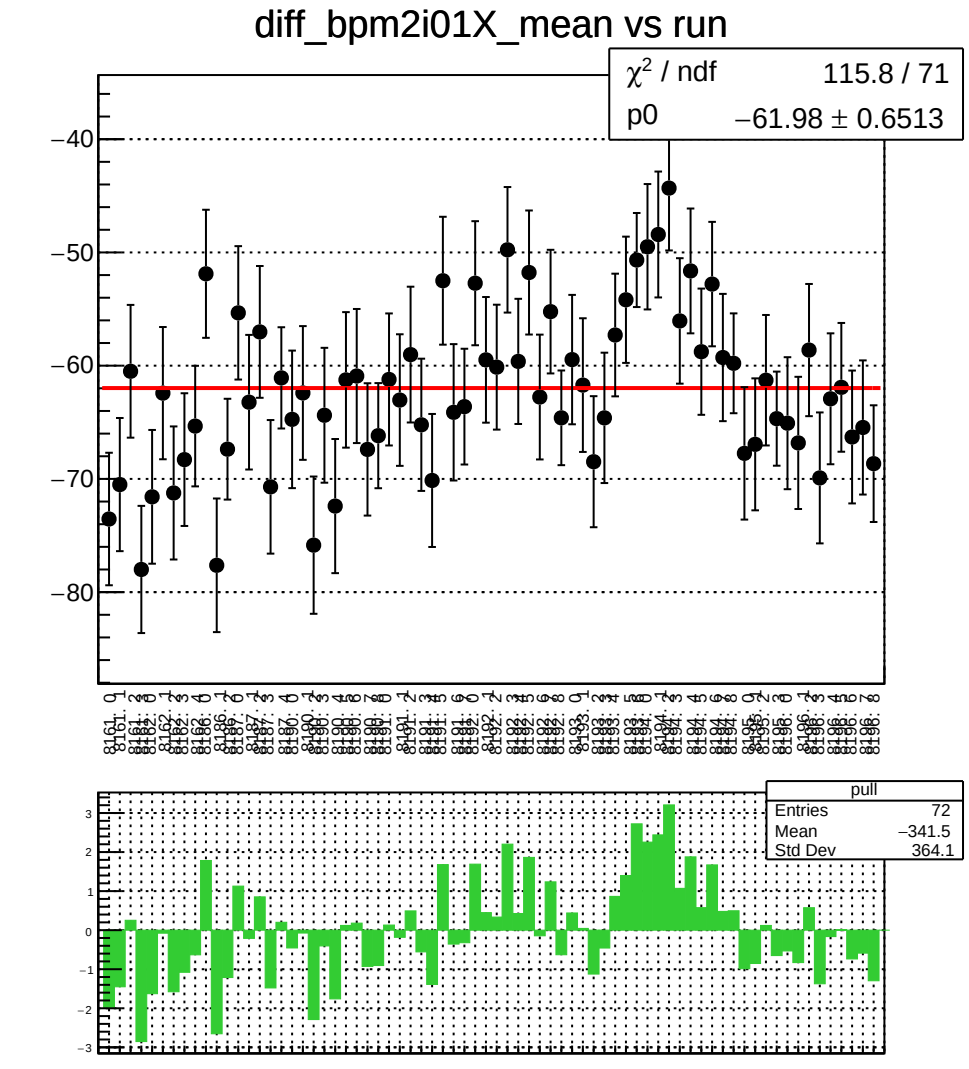

pull1D
Entries 72
Mean 0.0008151
Std Dev 1.109

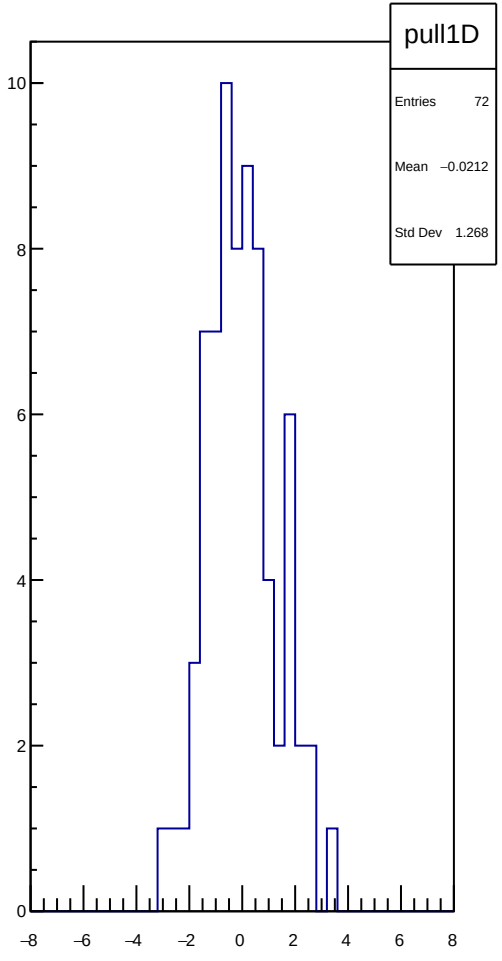

diff_bpm0r05X_rms vs run
χ² / ndf 1.514e+04 / 71
p0 6.426e+04 ± 54.43
85000
80000
75000
70000
65000
60000
55000
50000

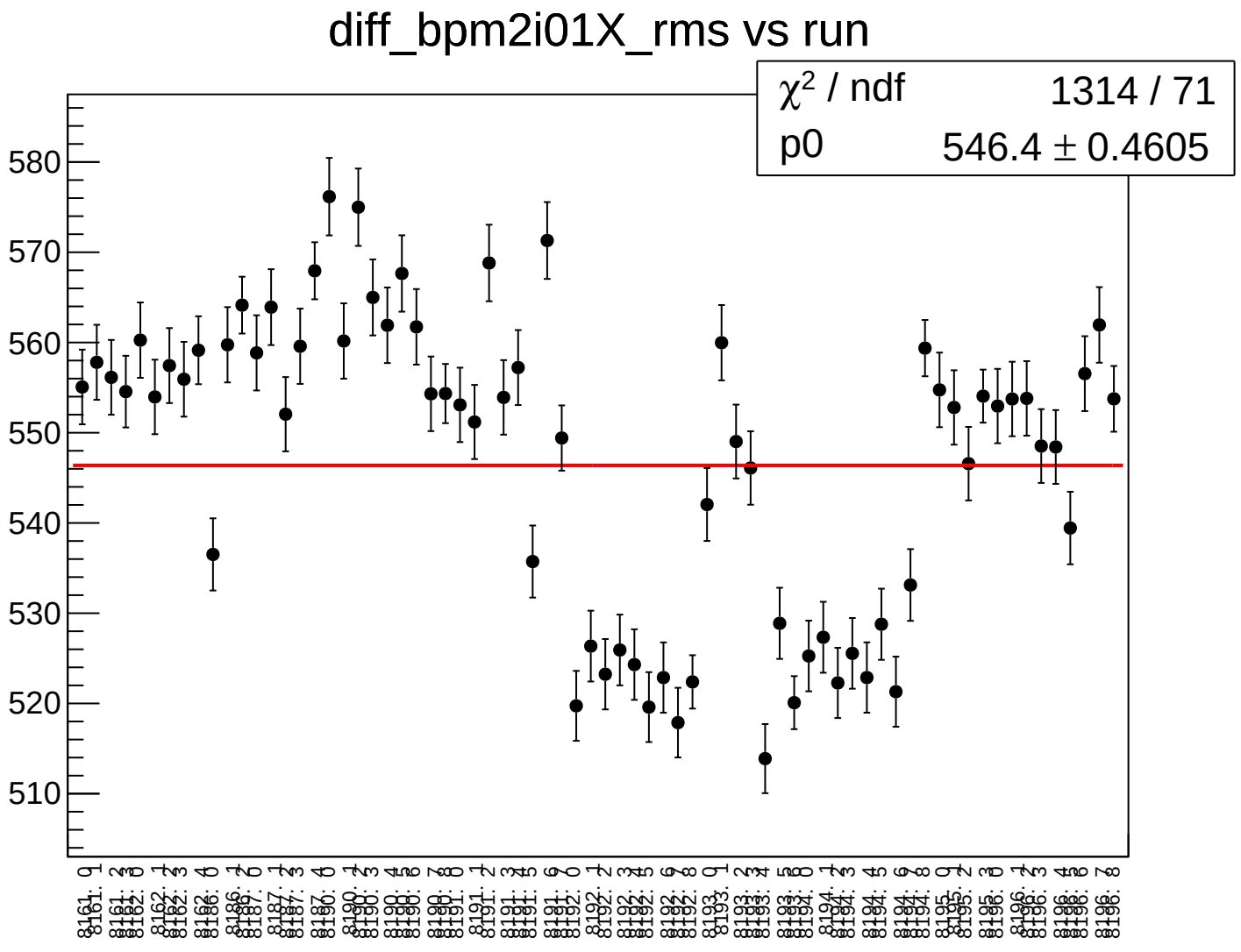

diff_bpm0r05Y_mean vs run
χ² / ndf 113.2 / 71
p0 −46.74 ± 3.663
pull
Entries 72
Mean −9.121
Std Dev 99.79

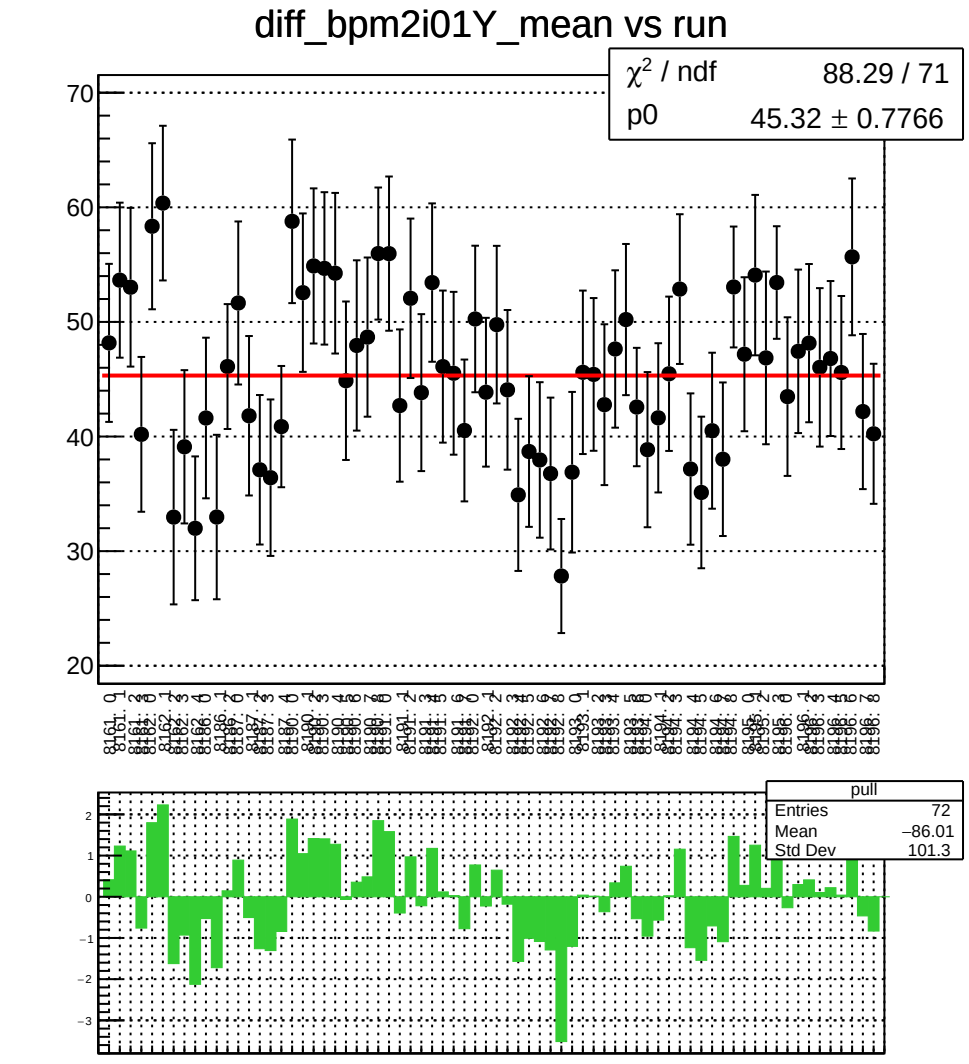

pull1D
Entries 72
Mean 0.02062
Std Dev 1.253

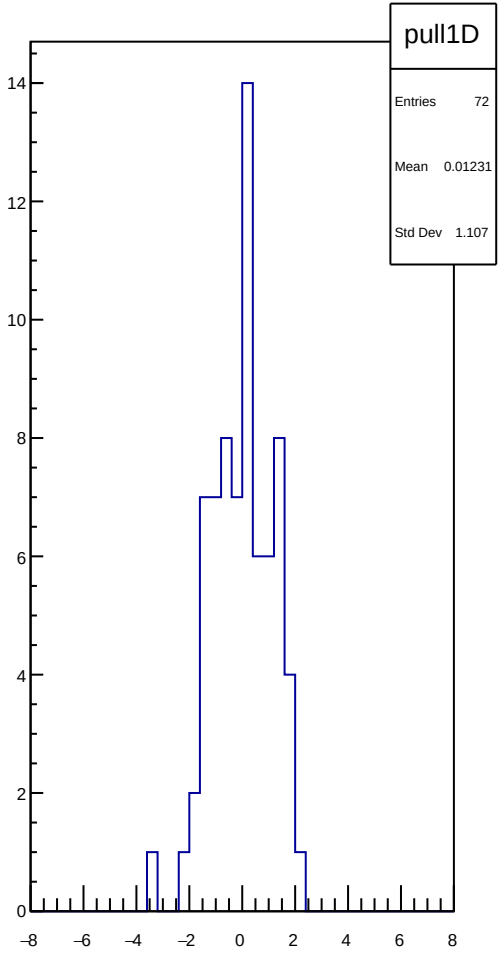

diff_bpm0r05Y_rms vs run
χ² / ndf 2.452e+04 / 71
p0 3048 ± 2.59
4000
3500
3000
2500
2000

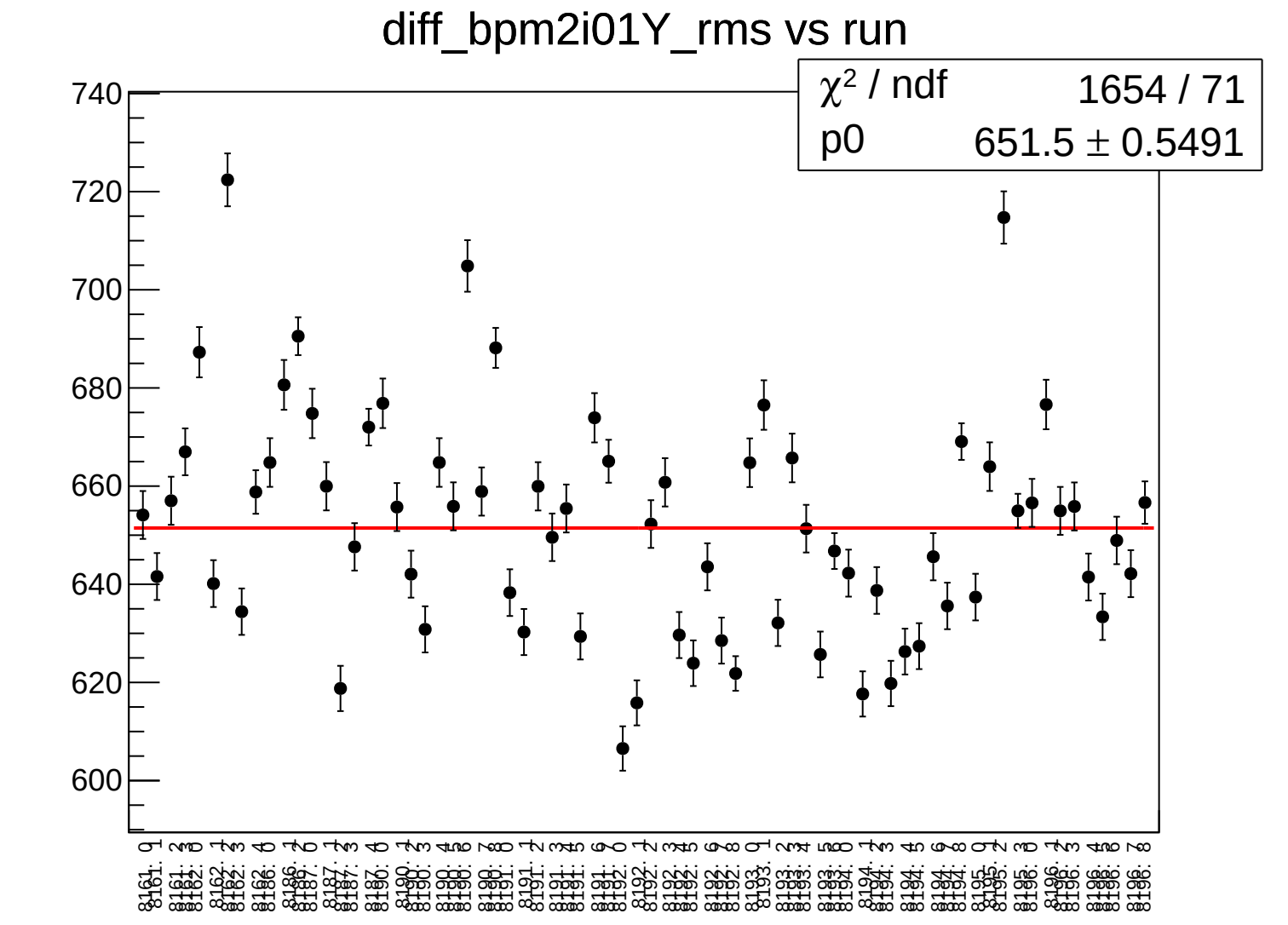

diff_bpm2i01X_mean vs run
χ² / ndf 115.8 / 71
p0 −61.98 ± 0.6513
−40
−50
−60
−70
−80
pull
Entries 72
Mean −341.5
Std Dev 364.1
3
2
1
0
−1
−2
−3

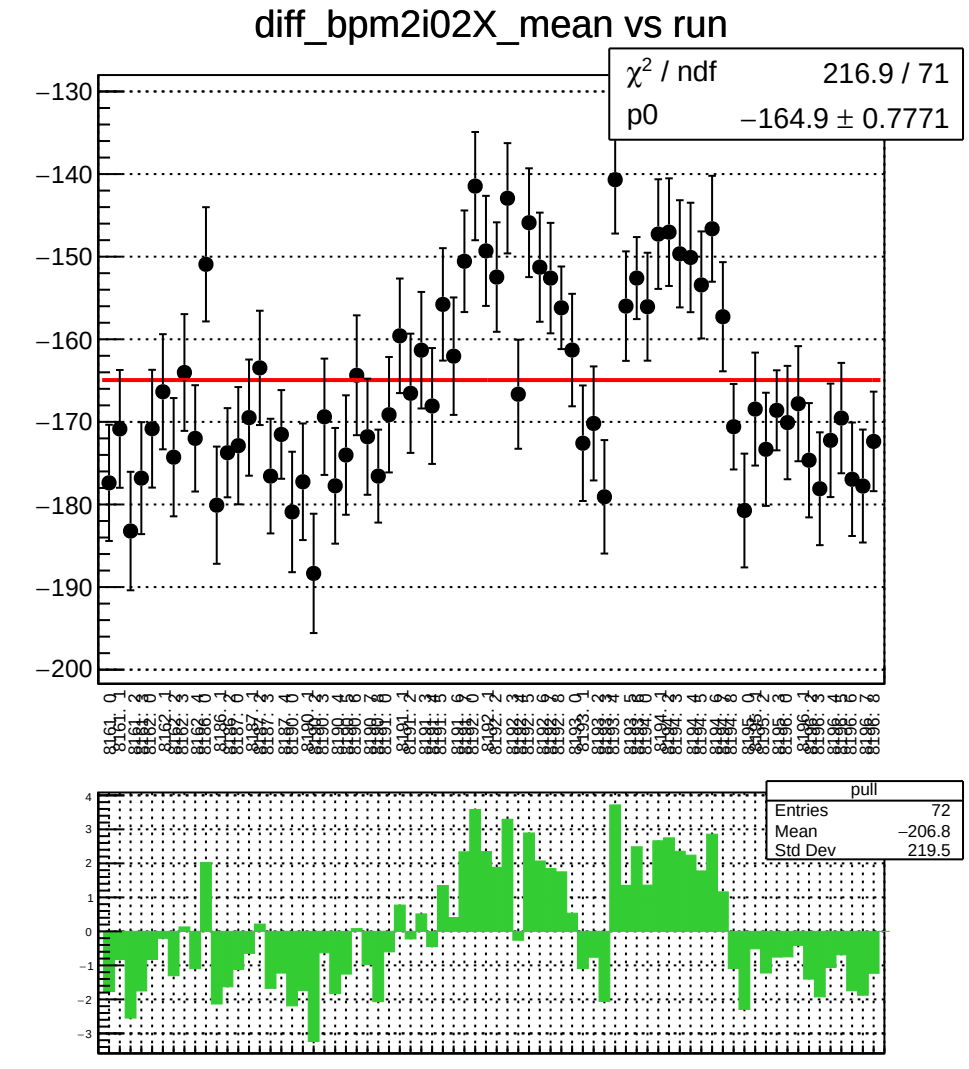

pull1D
Entries 72
Mean −0.0212
Std Dev 1.268
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

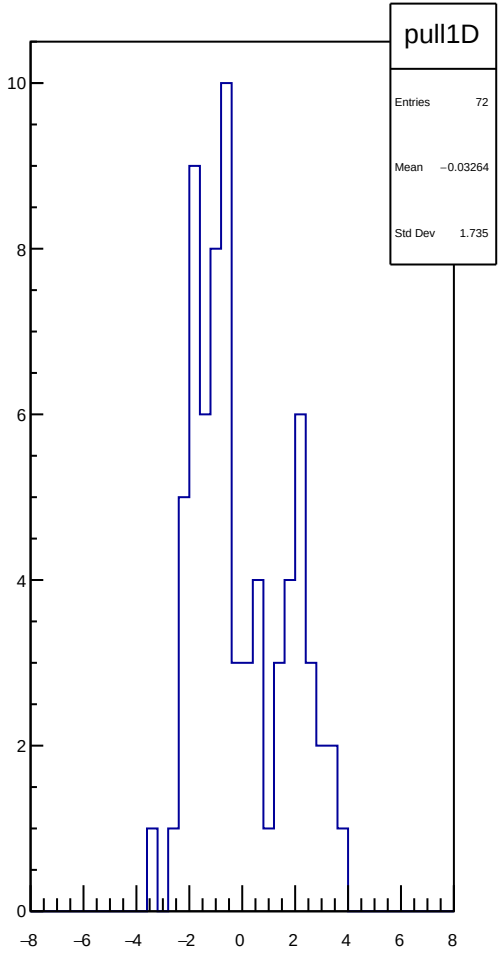

diff_bpm2i01X_rms vs run
χ² / ndf 1314 / 71
p0 546.4 ± 0.4605
580
570
560
550
540
530
520
510

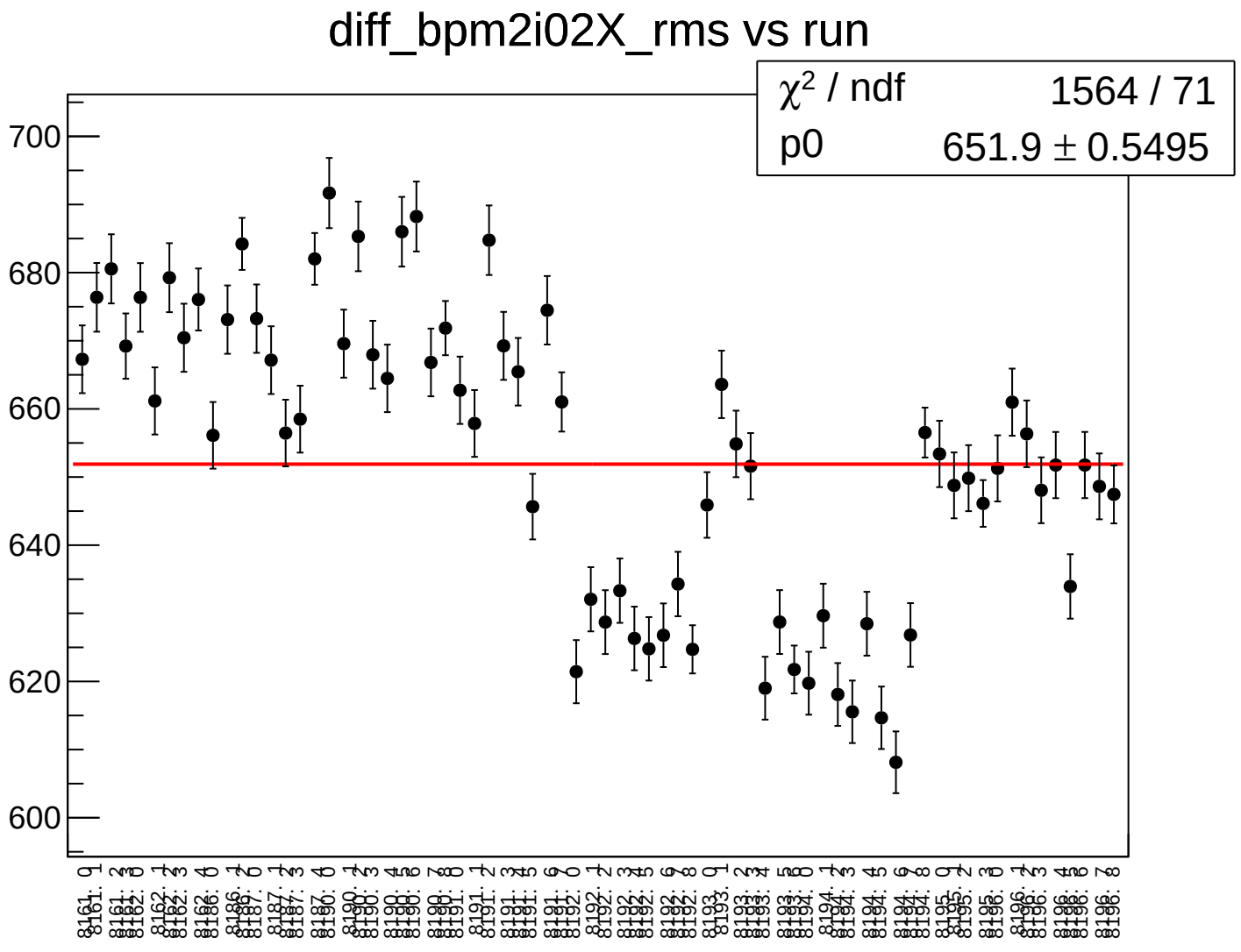

diff_bpm2i01Y_mean vs run
χ² / ndf 88.29 / 71
p0 45.32 ± 0.7766
pull
Entries 72
Mean −86.01
Std Dev 101.3

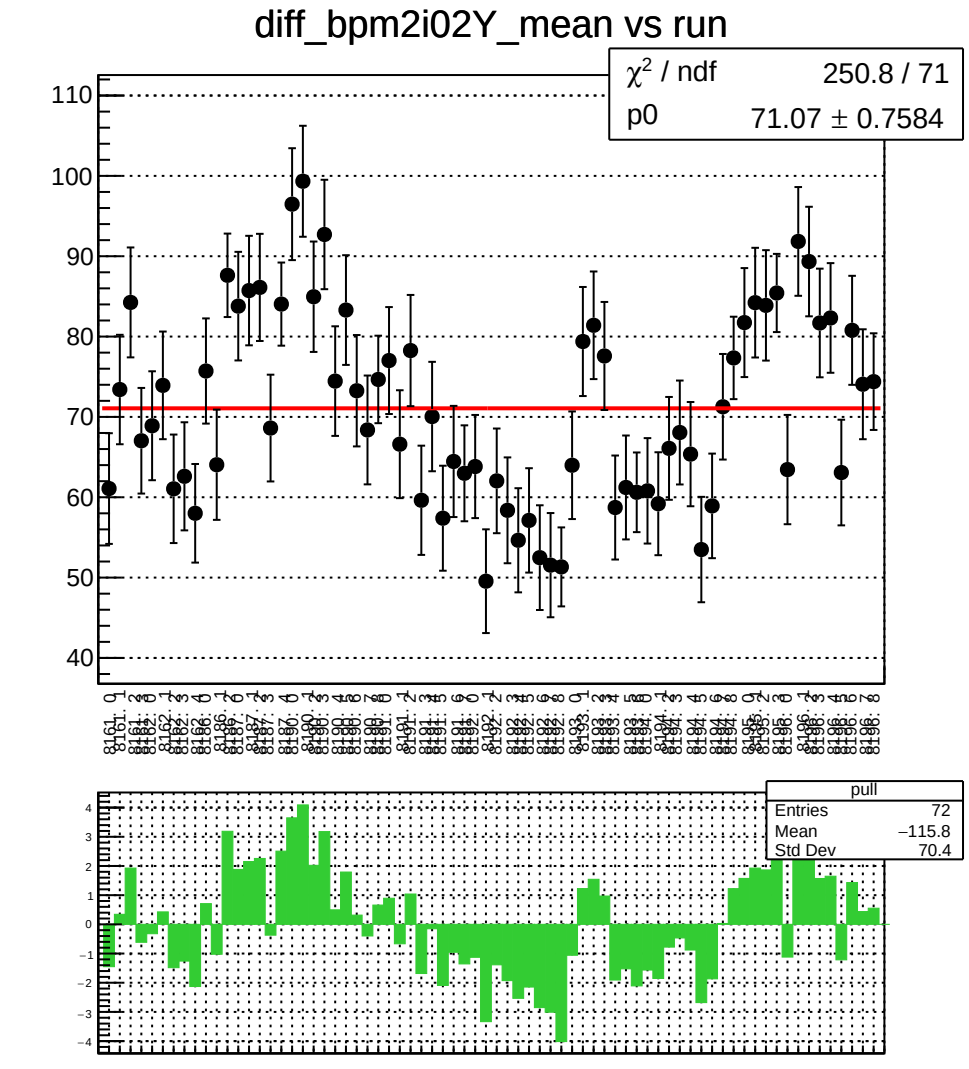

pull1D
Entries 72
Mean 0.01231
Std Dev 1.107

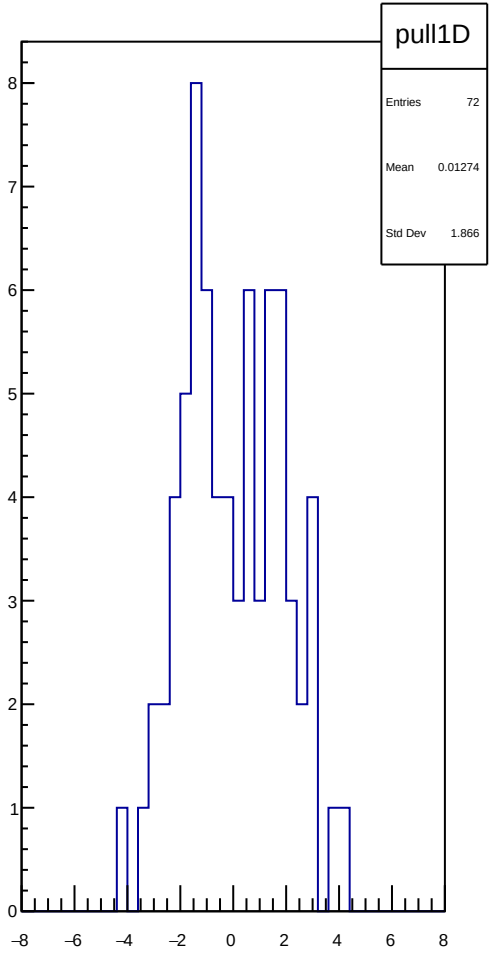

diff_bpm2i01Y_rms vs run
χ² / ndf 1654 / 71
p0 651.5 ± 0.5491
740
720
700
680
660
640
620
600

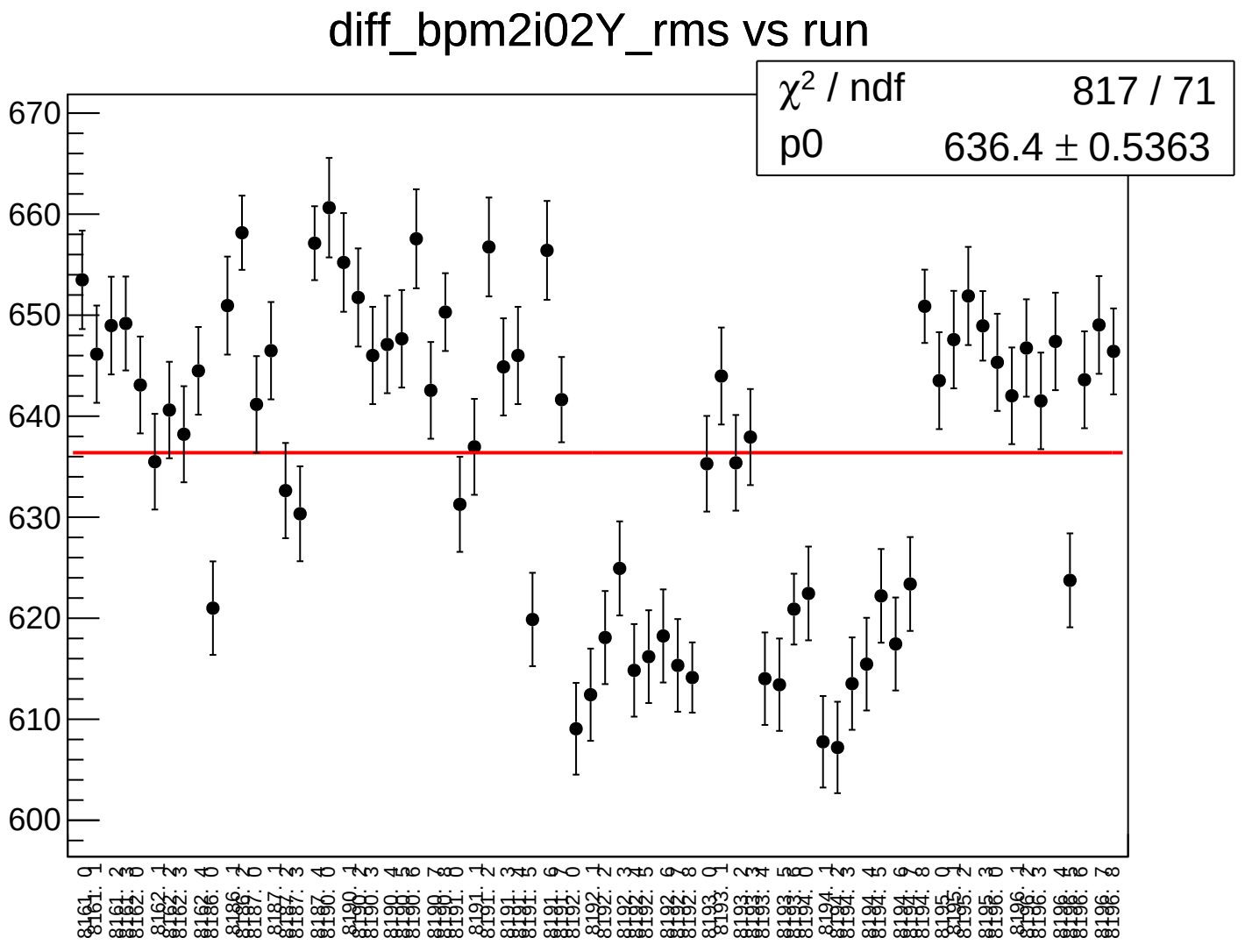

diff_bpm2i02X_mean vs run
χ² / ndf 216.9 / 71
p0 −164.9 ± 0.7771
pull
Entries 72
Mean −206.8
Std Dev 219.5

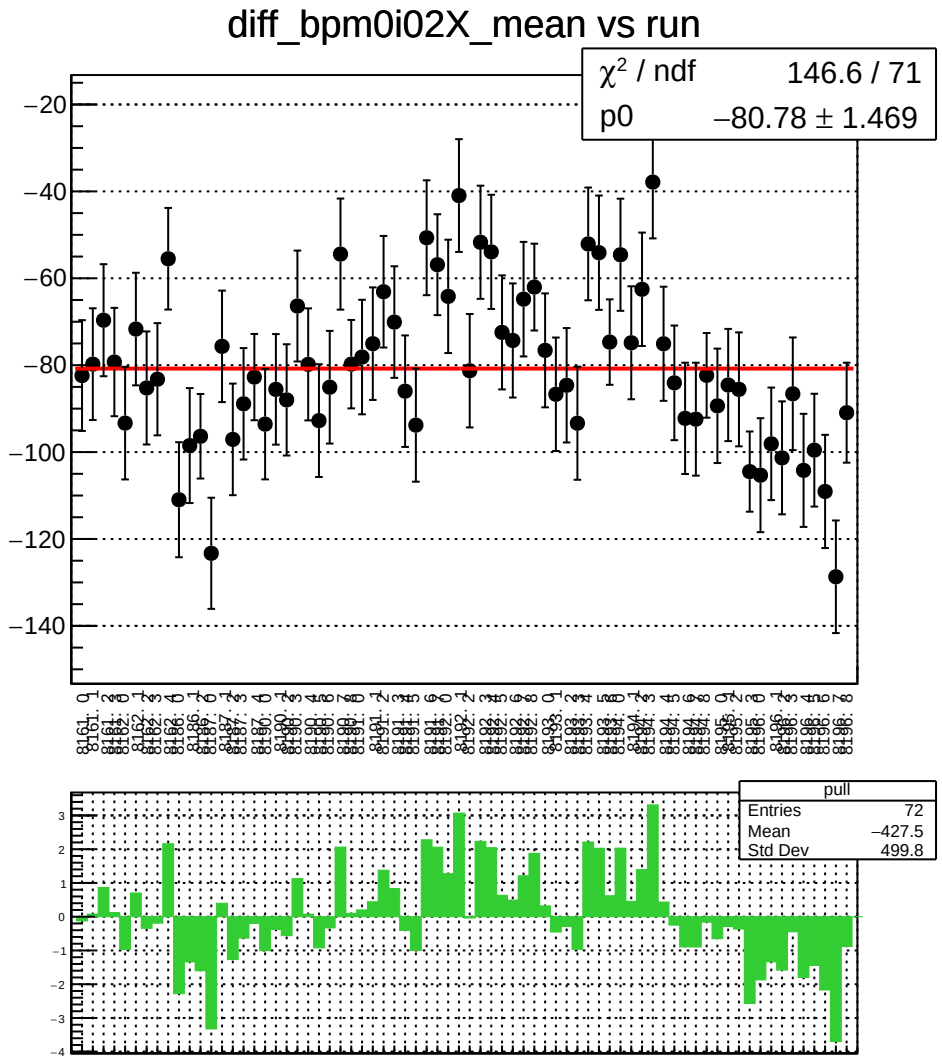

pull1D
Entries 72
Mean −0.03264
Std Dev 1.735

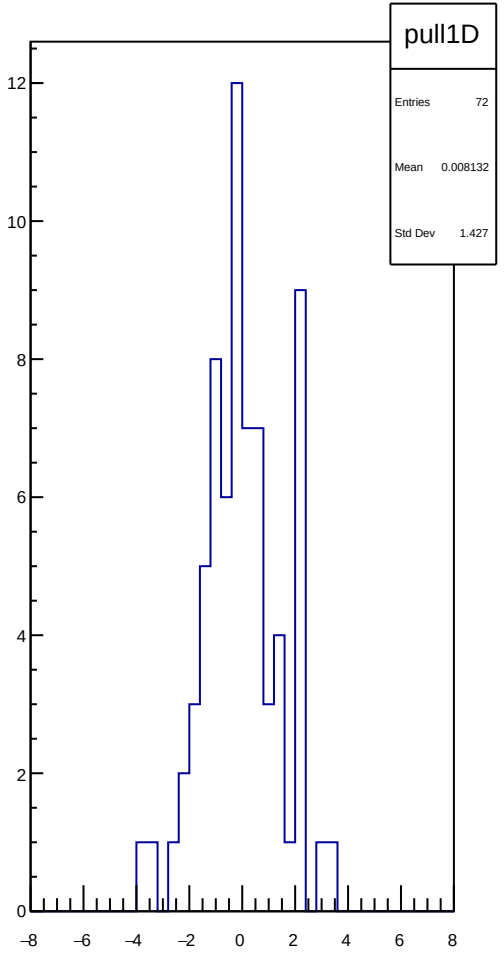

diff_bpm2i02X_rms vs run
χ² / ndf 1564 / 71
p0 651.9 ± 0.5495
700
680
660
640
620
600

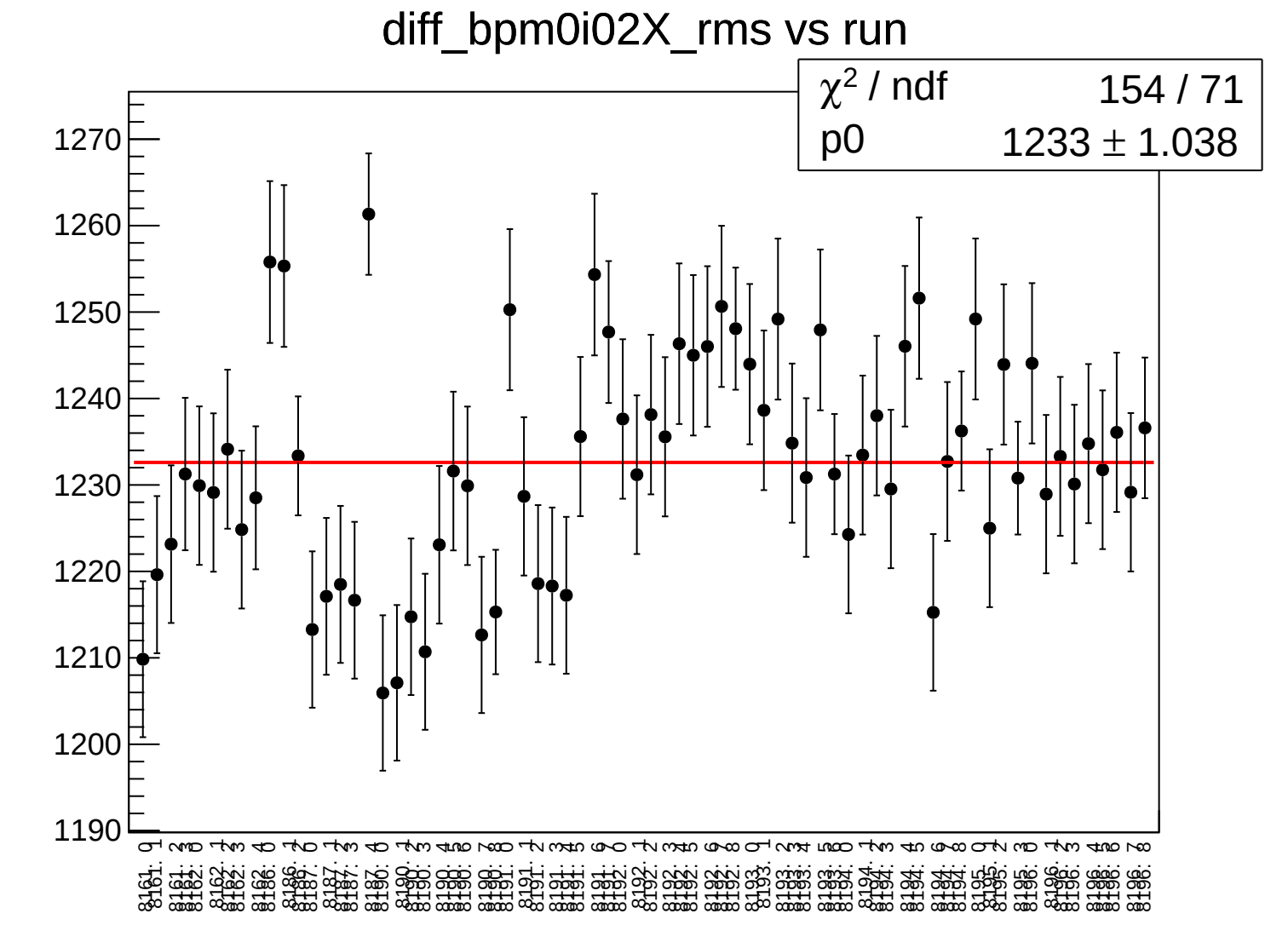

diff_bpm2i02Y_mean vs run
χ² / ndf 250.8 / 71
p0 71.07 ± 0.7584
pull
Entries 72
Mean −115.8
Std Dev 70.4

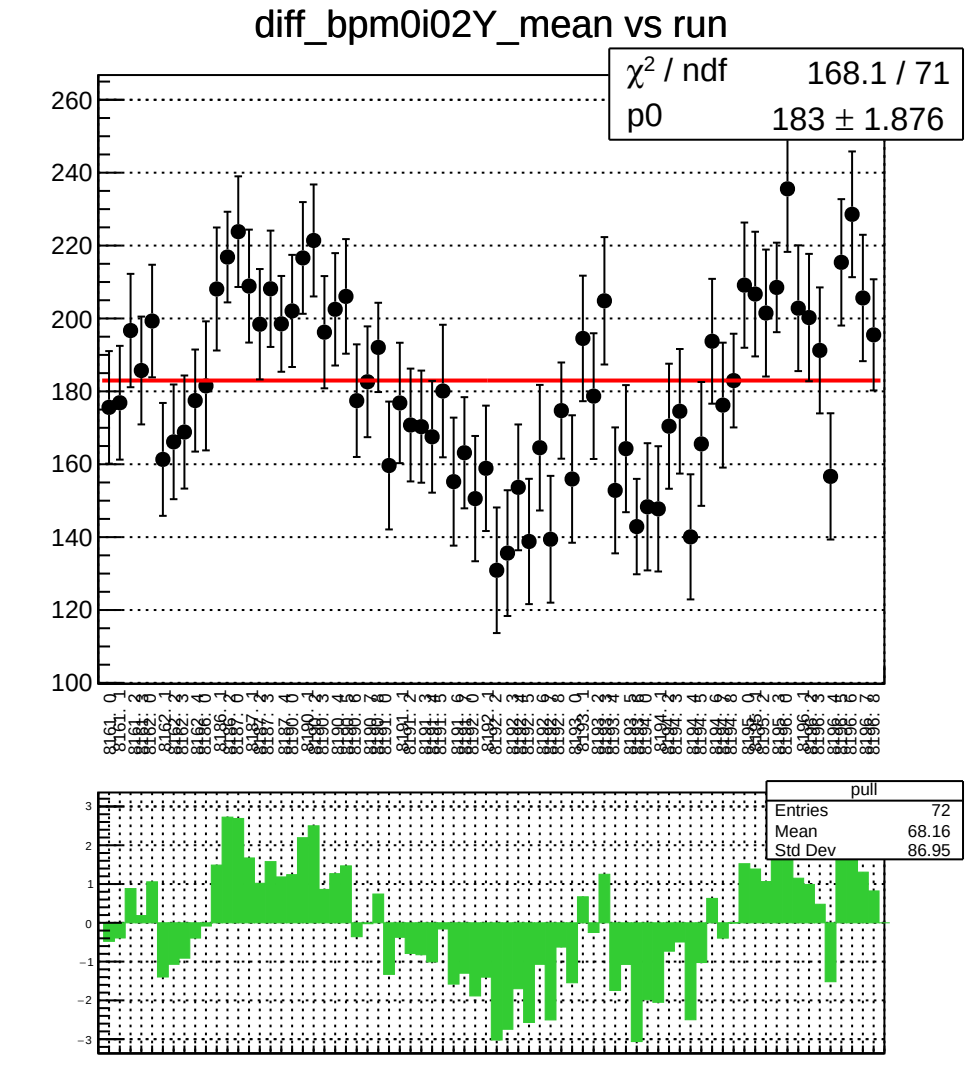

pull1D
Entries 72
Mean 0.01274
Std Dev 1.866

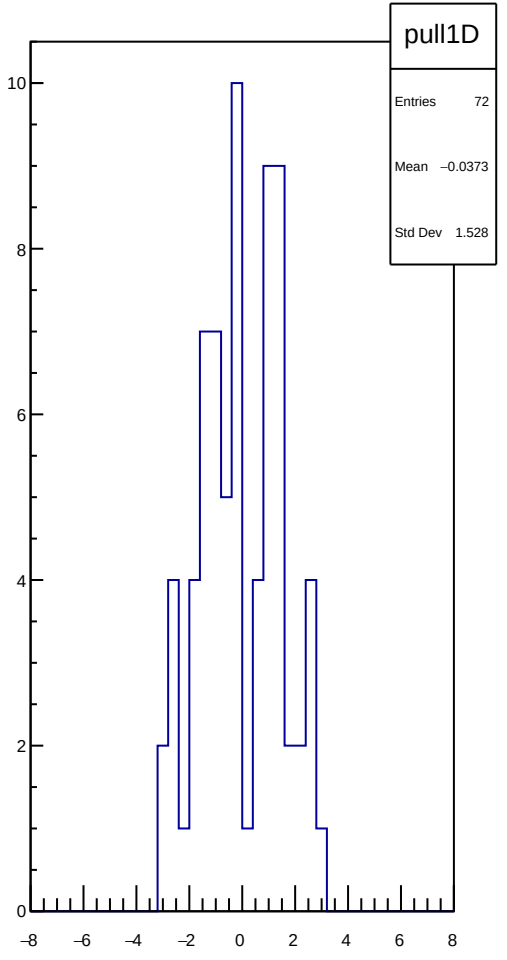

diff_bpm2i02Y_rms vs run
χ² / ndf 817 / 71
p0 636.4 ± 0.5363
670
660
650
640
630
620
610
600

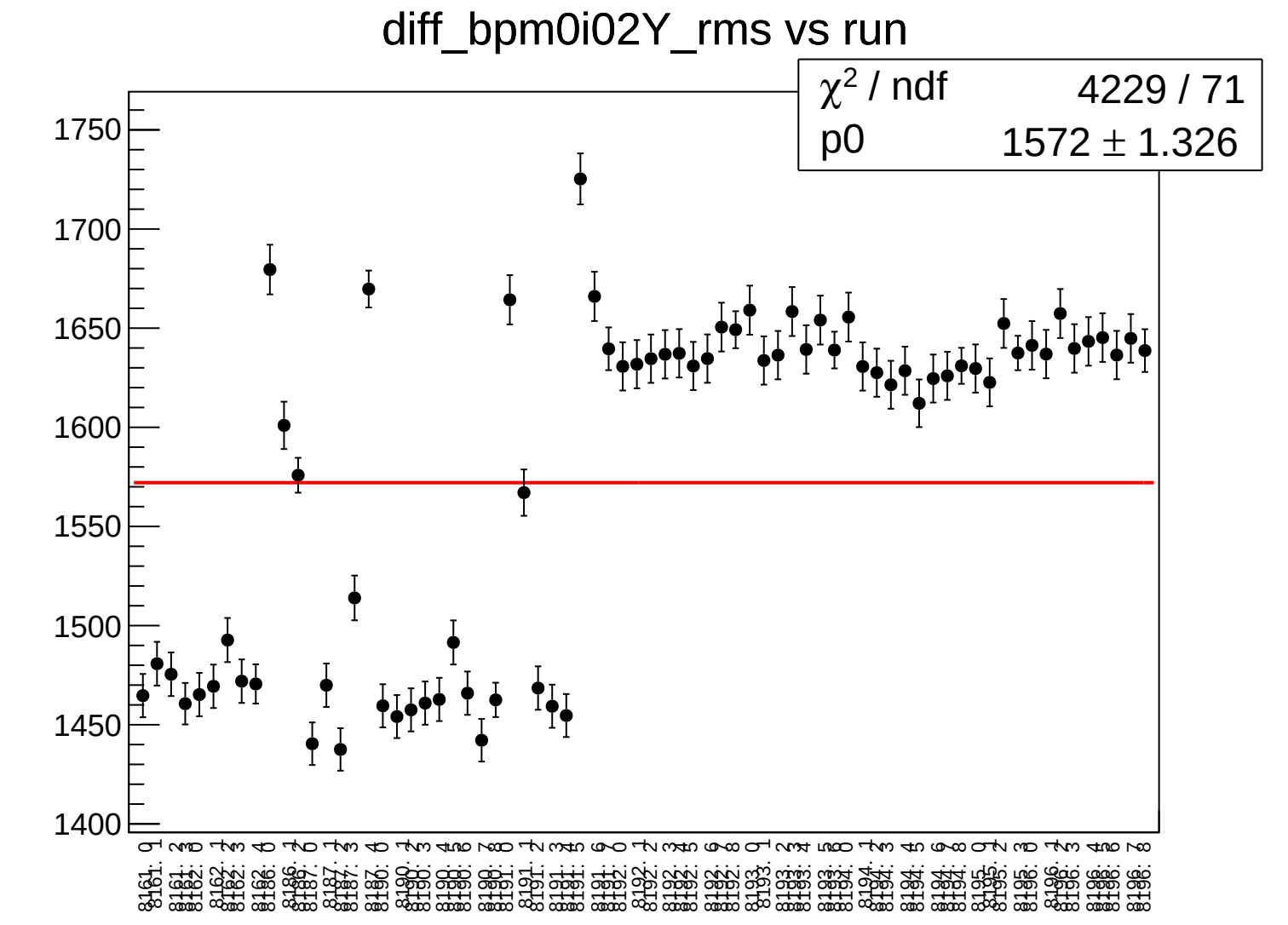

diff_bpm0i02X_mean vs run
χ² / ndf 146.6 / 71
p0 −80.78 ± 1.469
pull
Entries 72
Mean −427.5
Std Dev 499.8

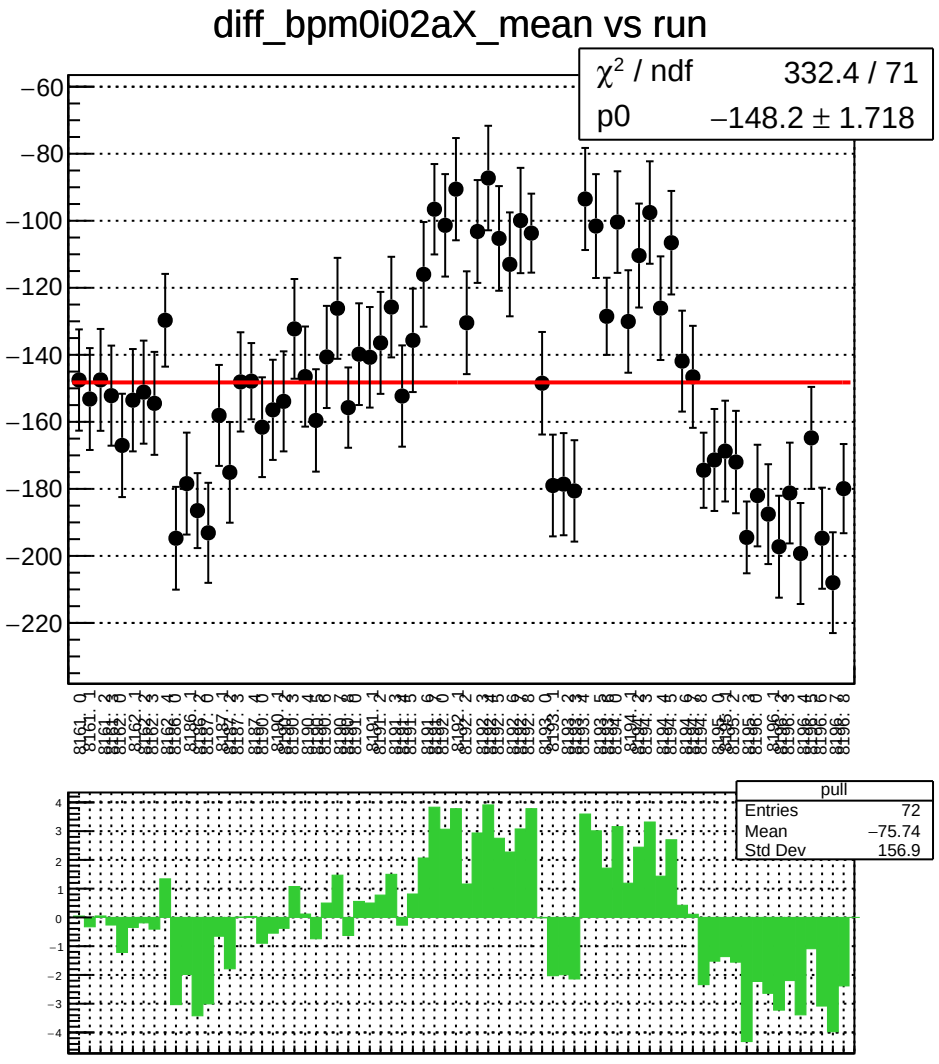

pull1D
Entries 72
Mean 0.008132
Std Dev 1.427

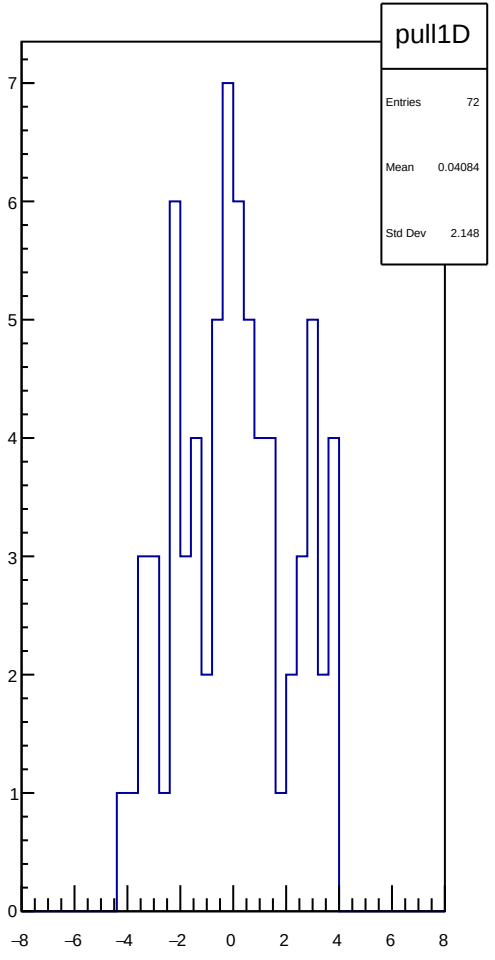

diff_bpm0i02X_rms vs run
χ² / ndf 154 / 71
p0 1233 ± 1.038
1270
1260
1250
1240
1230
1220
1210
1200
1190

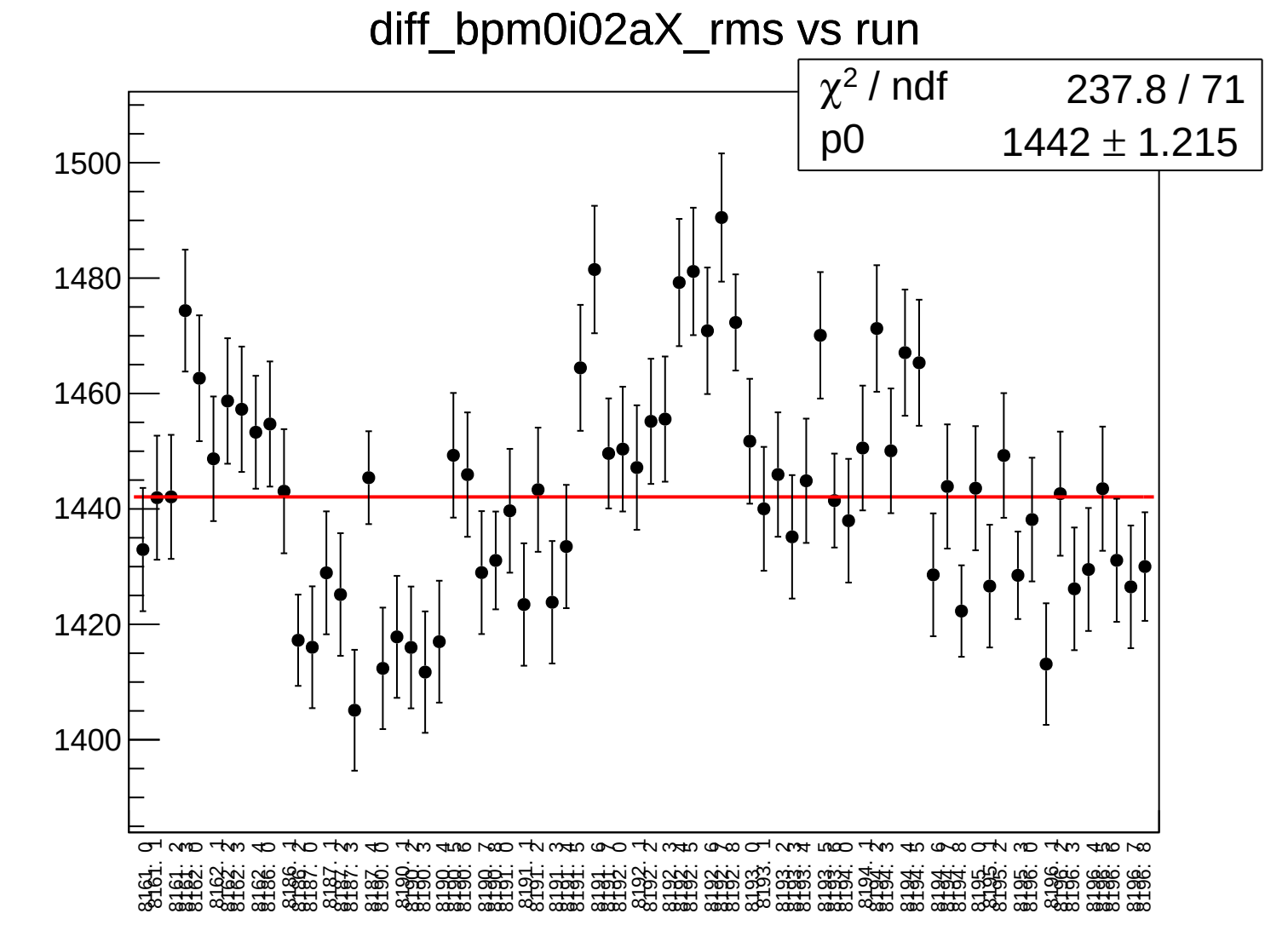

diff_bpm0i02Y_mean vs run
χ² / ndf 168.1 / 71
p0 183 ± 1.876
pull
Entries 72
Mean 68.16
Std Dev 86.95

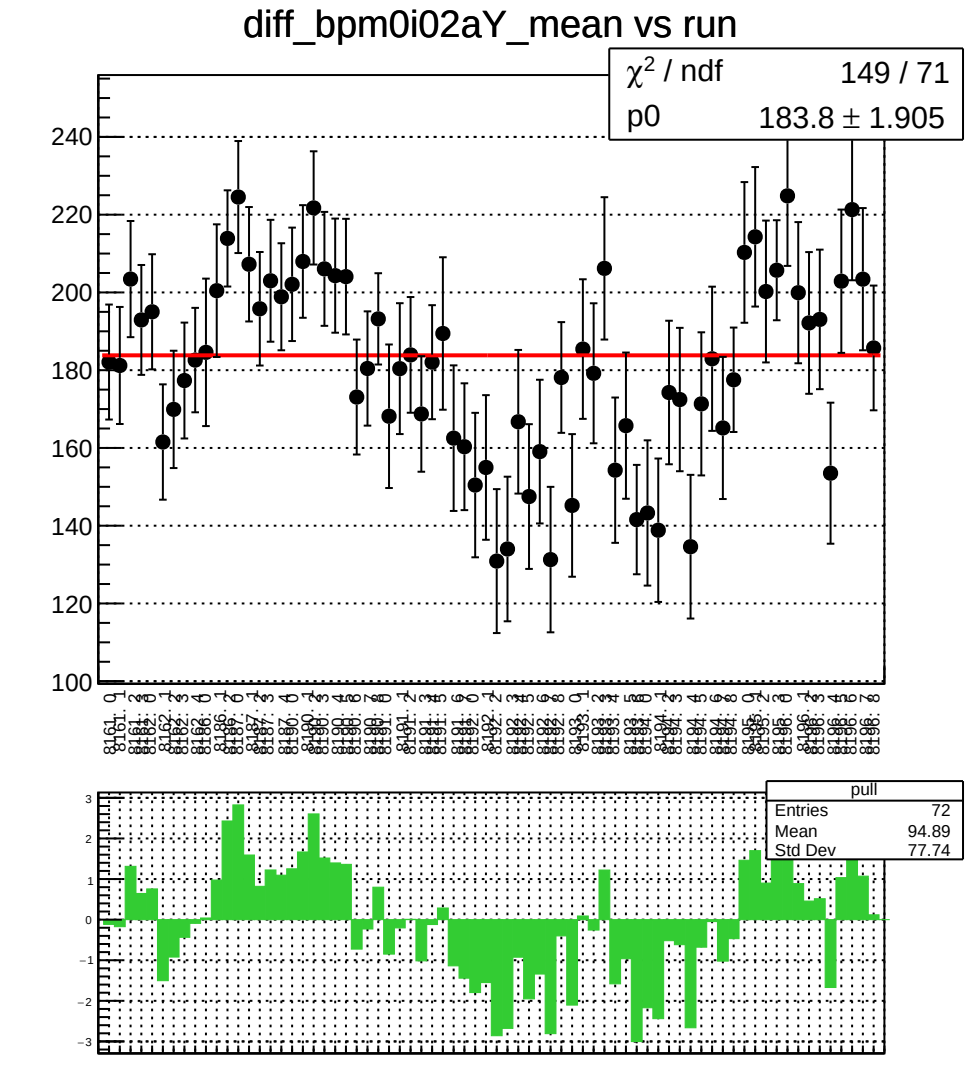

pull1D
Entries 72
Mean −0.0373
Std Dev 1.528

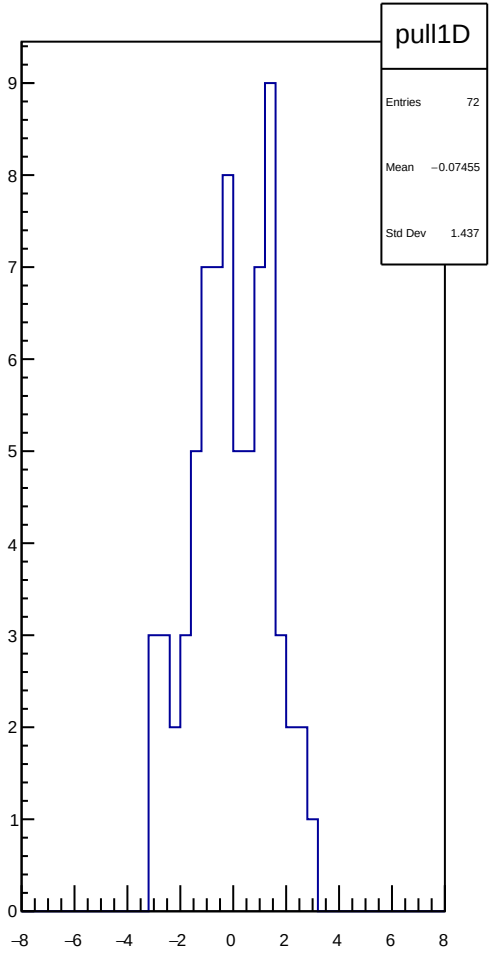

diff_bpm0i02Y_rms vs run
χ² / ndf 4229 / 71
p0 1572 ± 1.326
1750
1700
1650
1600
1550
1500
1450
1400

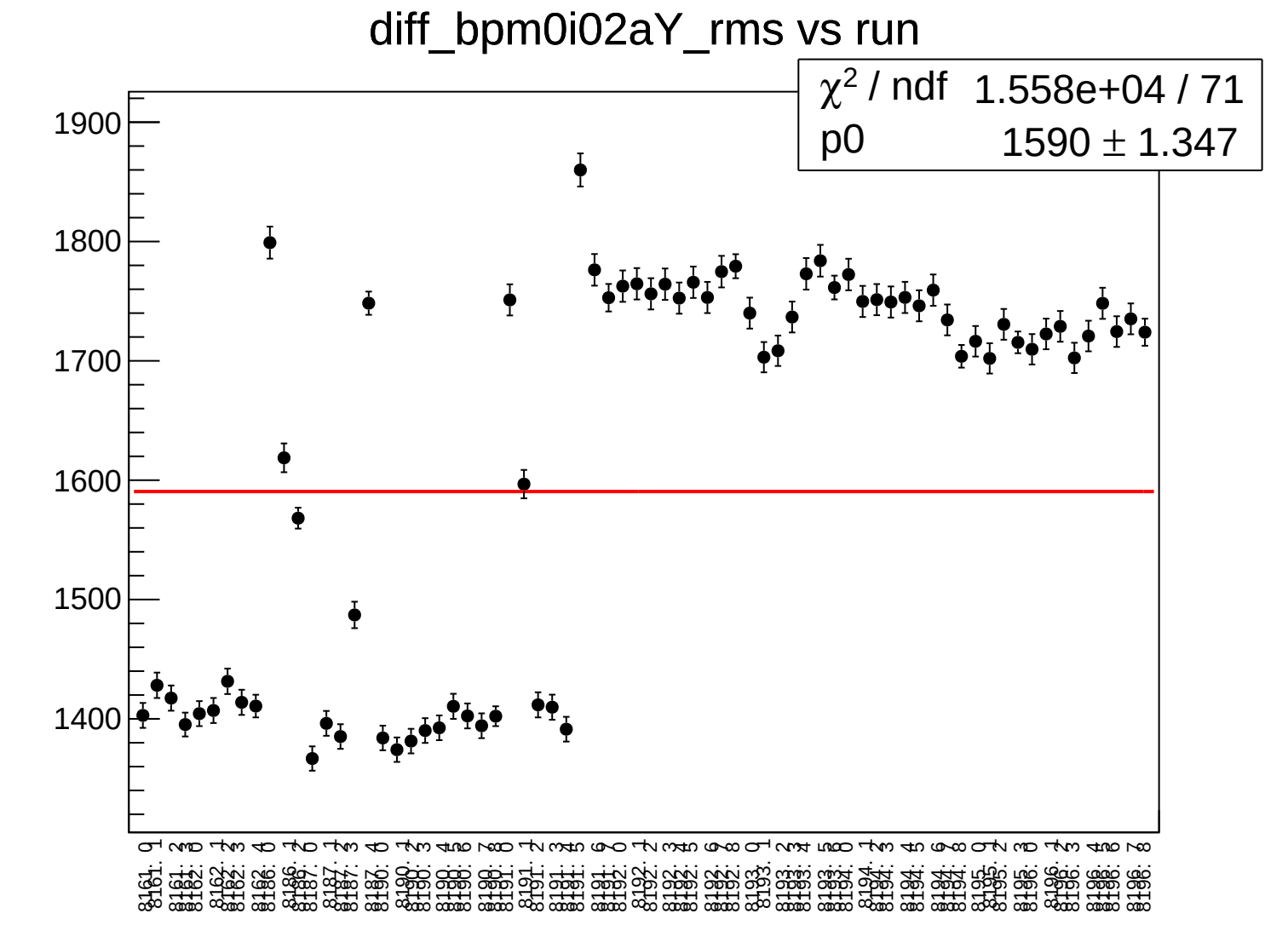

diff_bpm0i02aX_mean vs run
χ² / ndf 332.4 / 71
p0 −148.2 ± 1.718
pull
Entries 72
Mean −75.74
Std Dev 156.9

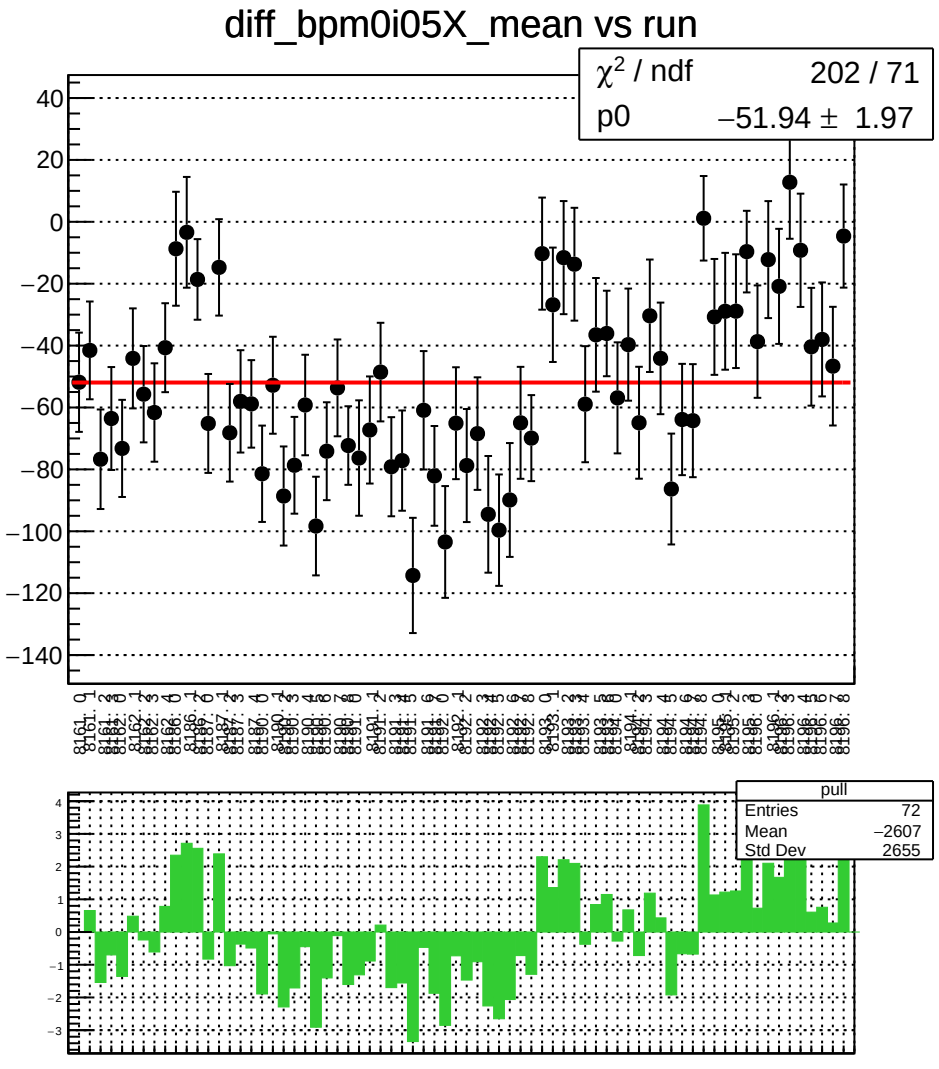

pull1D
Entries 72
Mean 0.04084
Std Dev 2.148

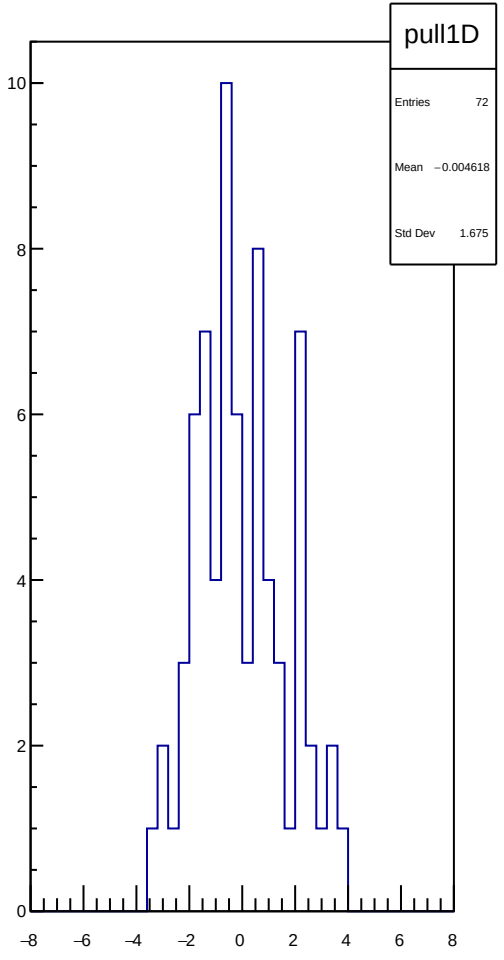

diff_bpm0i02aX_rms vs run
χ² / ndf 237.8 / 71
p0 1442 ± 1.215
1500
1480
1460
1440
1420
1400

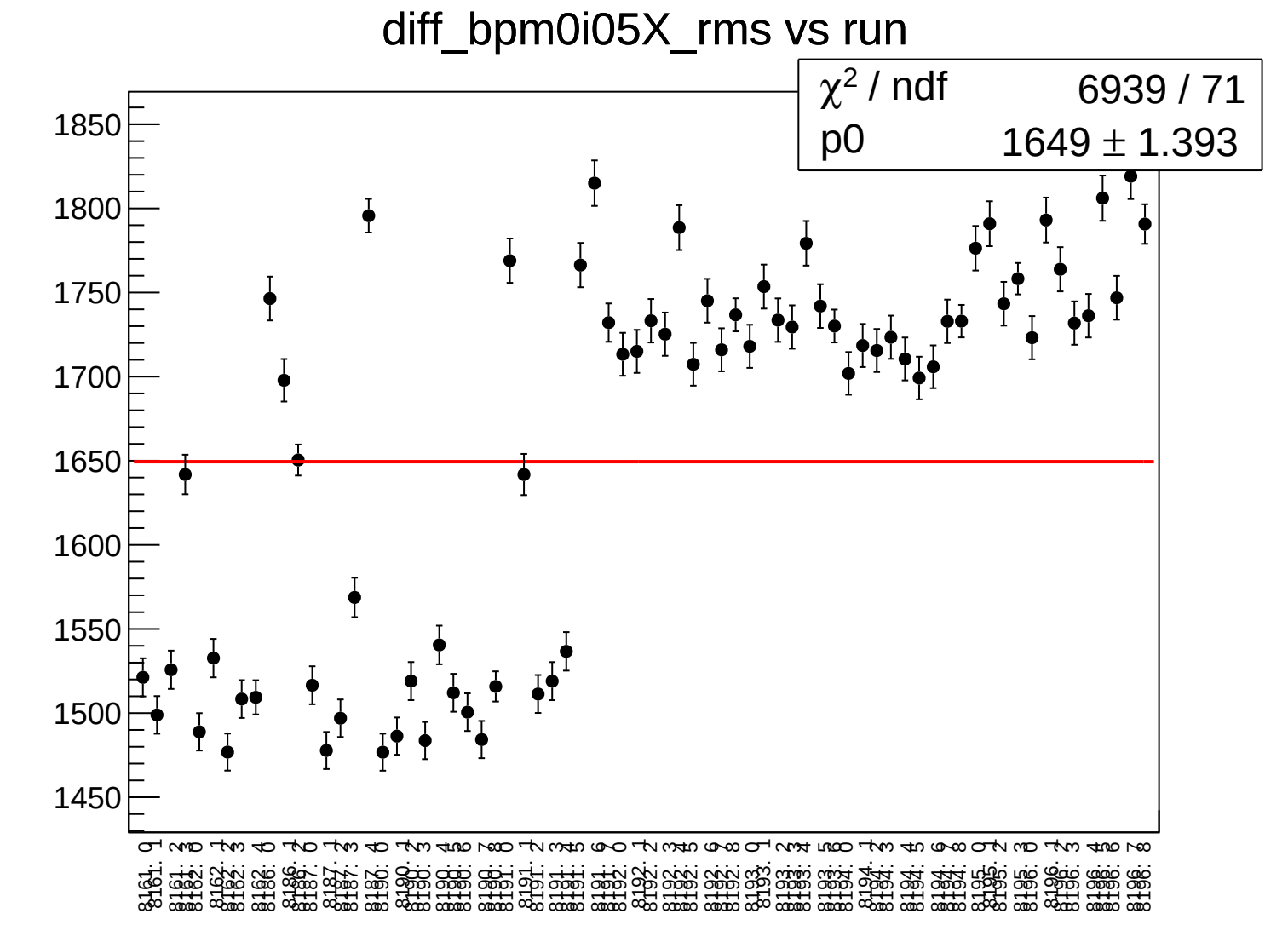

diff_bpm0i02aY_mean vs run
χ² / ndf 149 / 71
p0 183.8 ± 1.905
pull
Entries 72
Mean 94.89
Std Dev 77.74

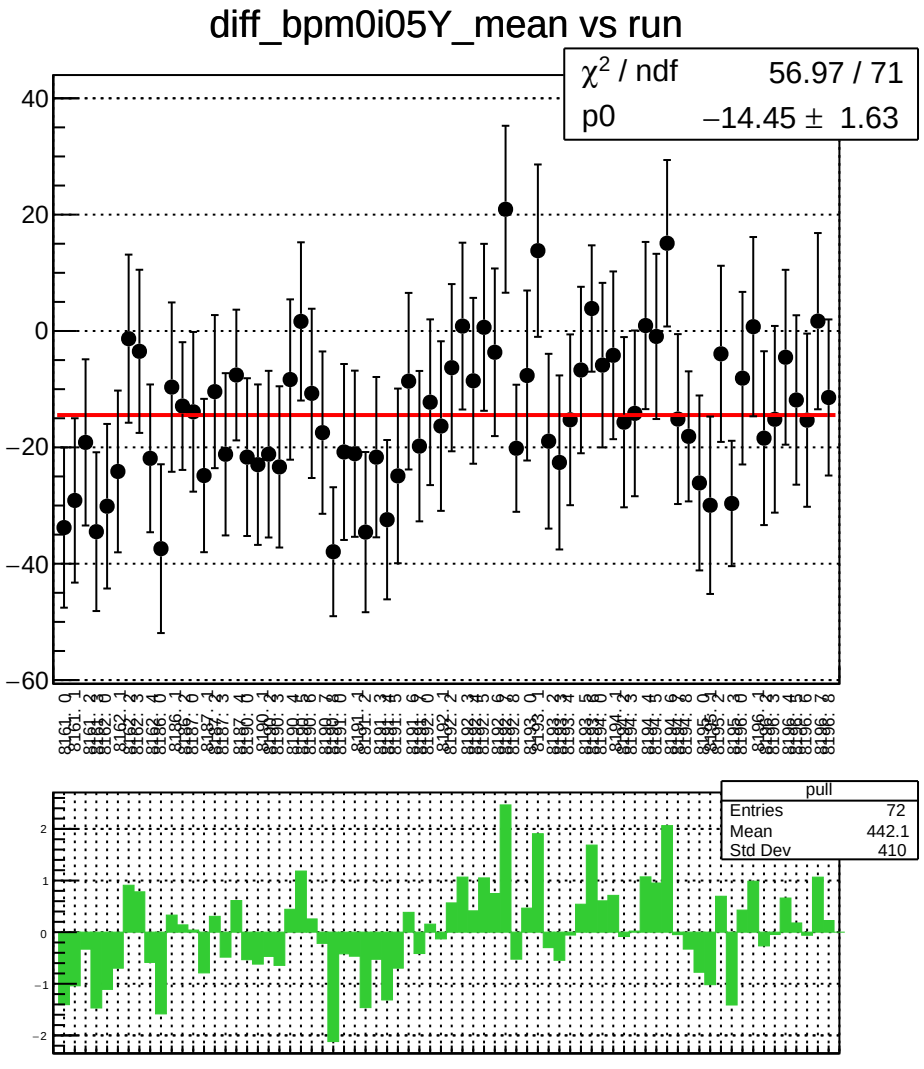

pull1D
Entries 72
Mean −0.07455
Std Dev 1.437

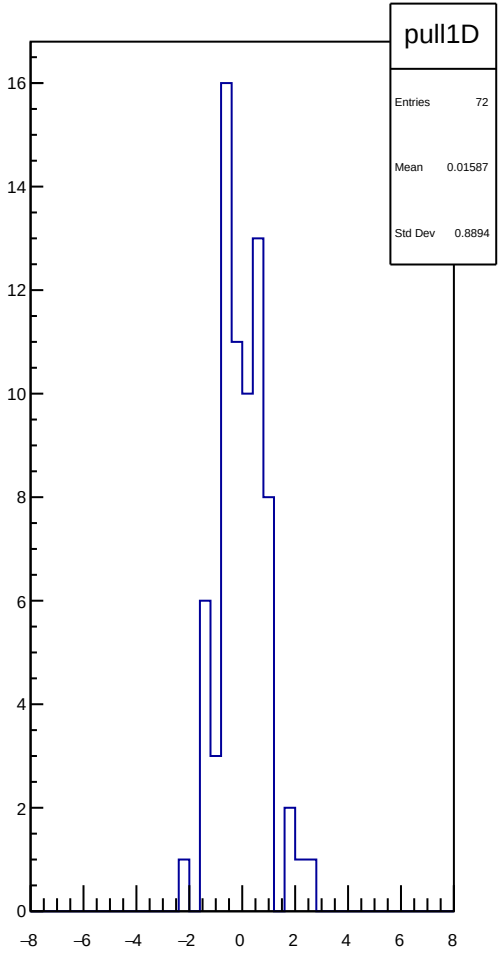

diff_bpm0i02aY_rms vs run
χ² / ndf 1.558e+04 / 71
p0 1590 ± 1.347
1900
1800
1700
1600
1500
1400

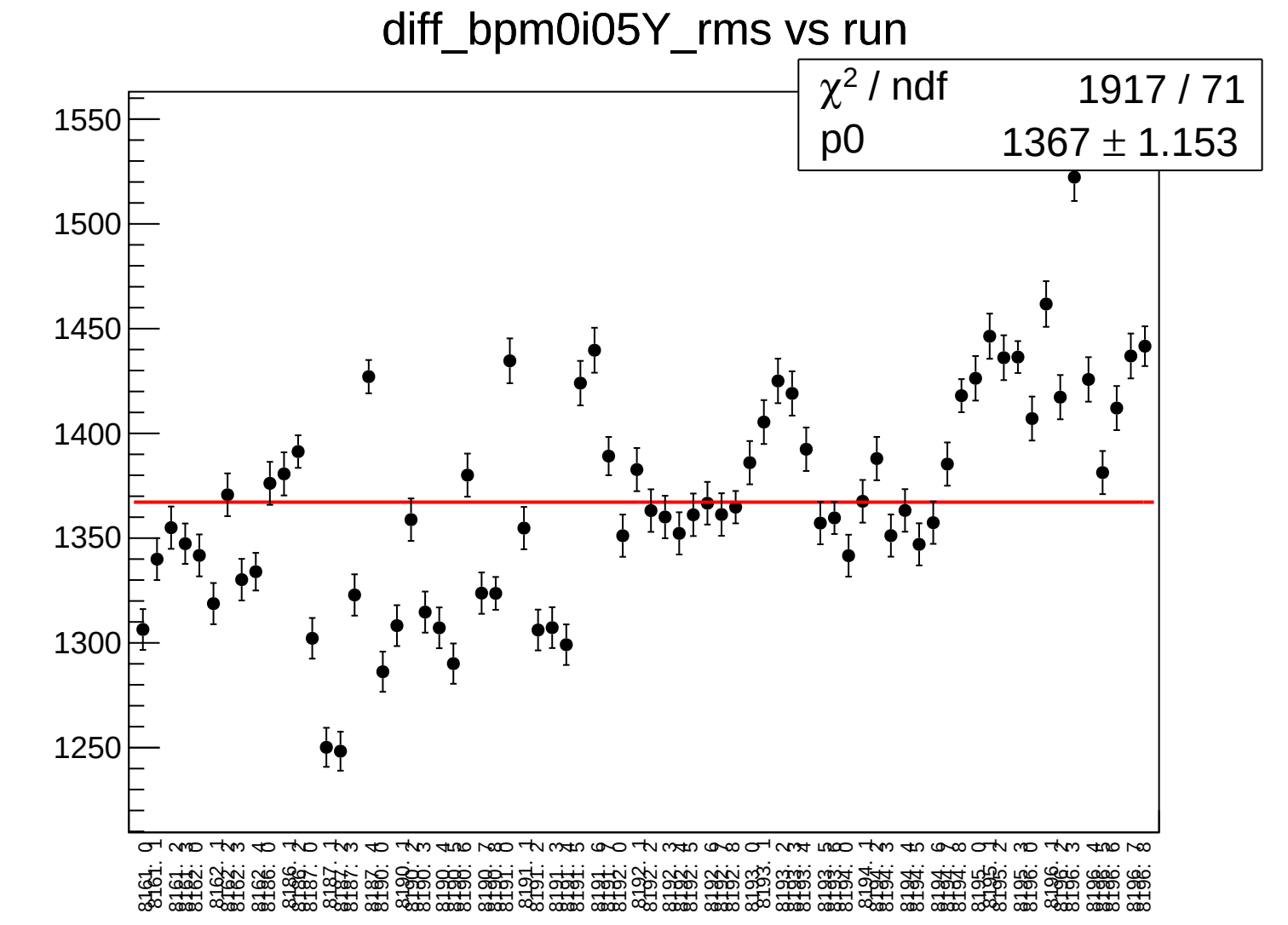

diff_bpm0i05X_mean vs run
χ² / ndf 202 / 71
p0 −51.94 ± 1.97
pull
Entries 72
Mean −2607
Std Dev 2655

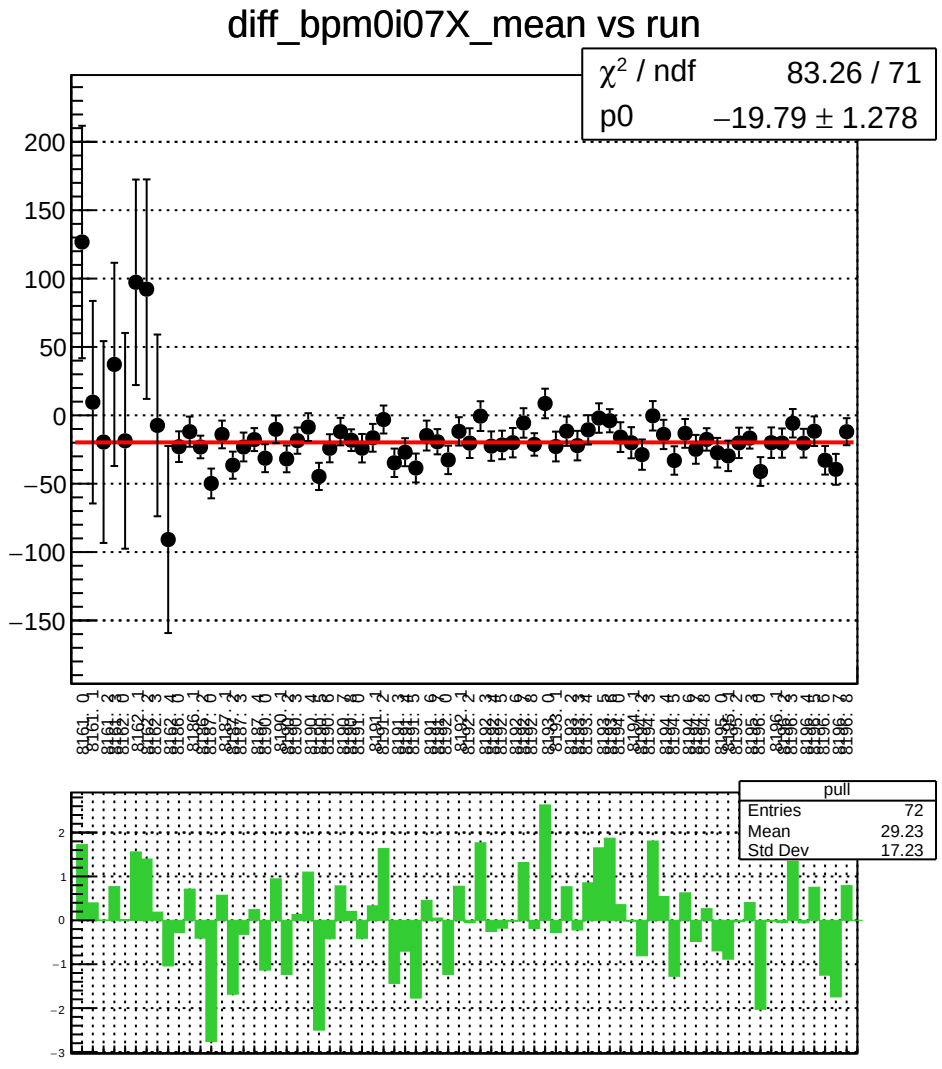

pull1D
Entries 72
Mean −0.004618
Std Dev 1.675

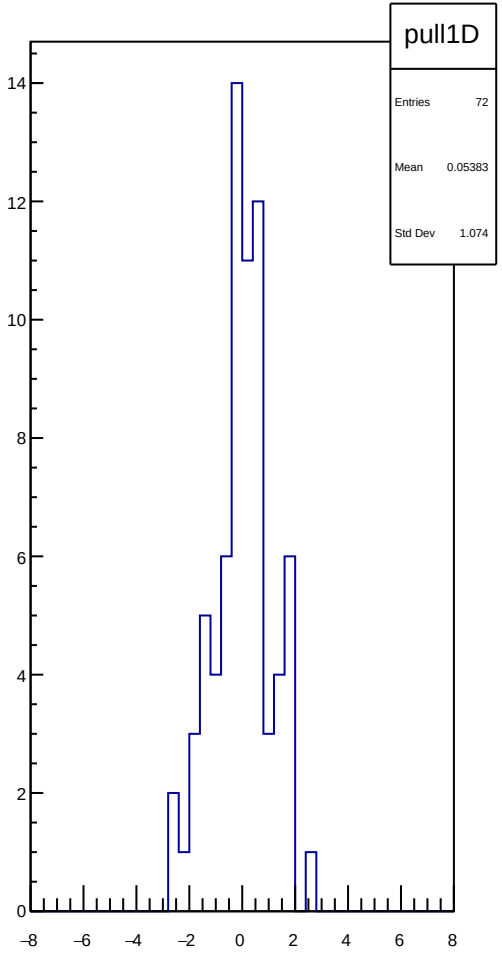

diff_bpm0i05X_rms vs run
χ² / ndf 6939 / 71
p0 1649 ± 1.393
1850
1800
1750
1700
1650
1600
1550
1500
1450

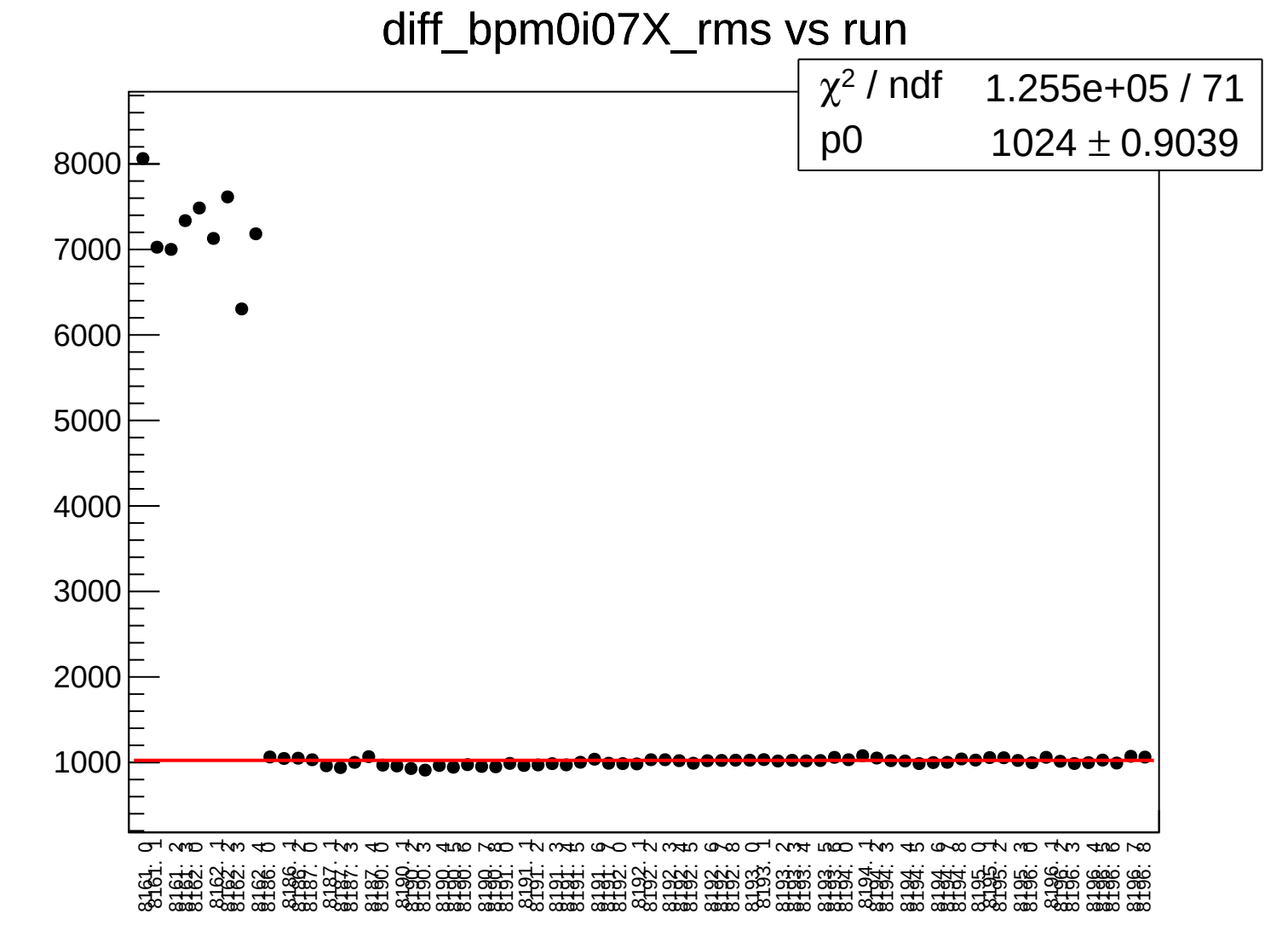

diff_bpm0i05Y_mean vs run
χ² / ndf 56.97 / 71
p0 −14.45 ± 1.63
pull
Entries 72
Mean 442.1
Std Dev 410

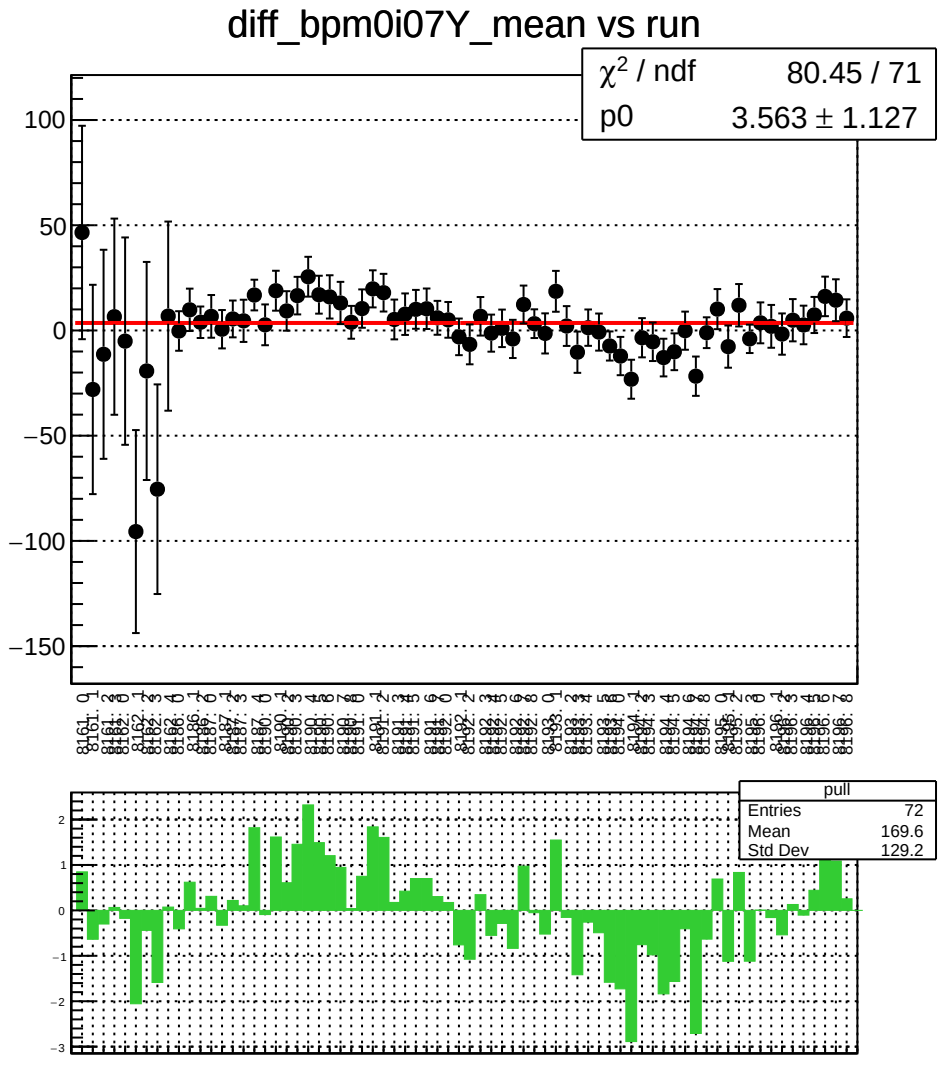

pull1D
Entries 72
Mean 0.01587
Std Dev 0.8894

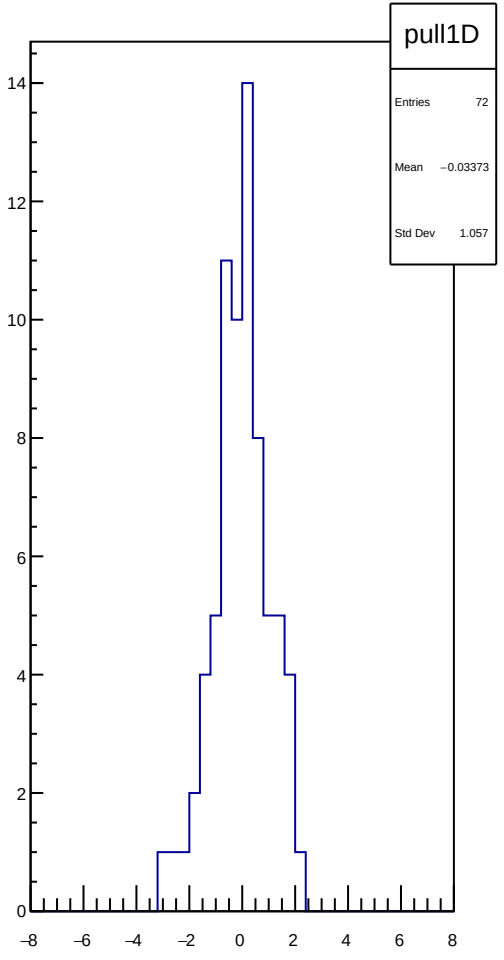

diff_bpm0i05Y_rms vs run
χ² / ndf 1917 / 71
p0 1367 ± 1.153
1550
1500
1450
1400
1350
1300
1250

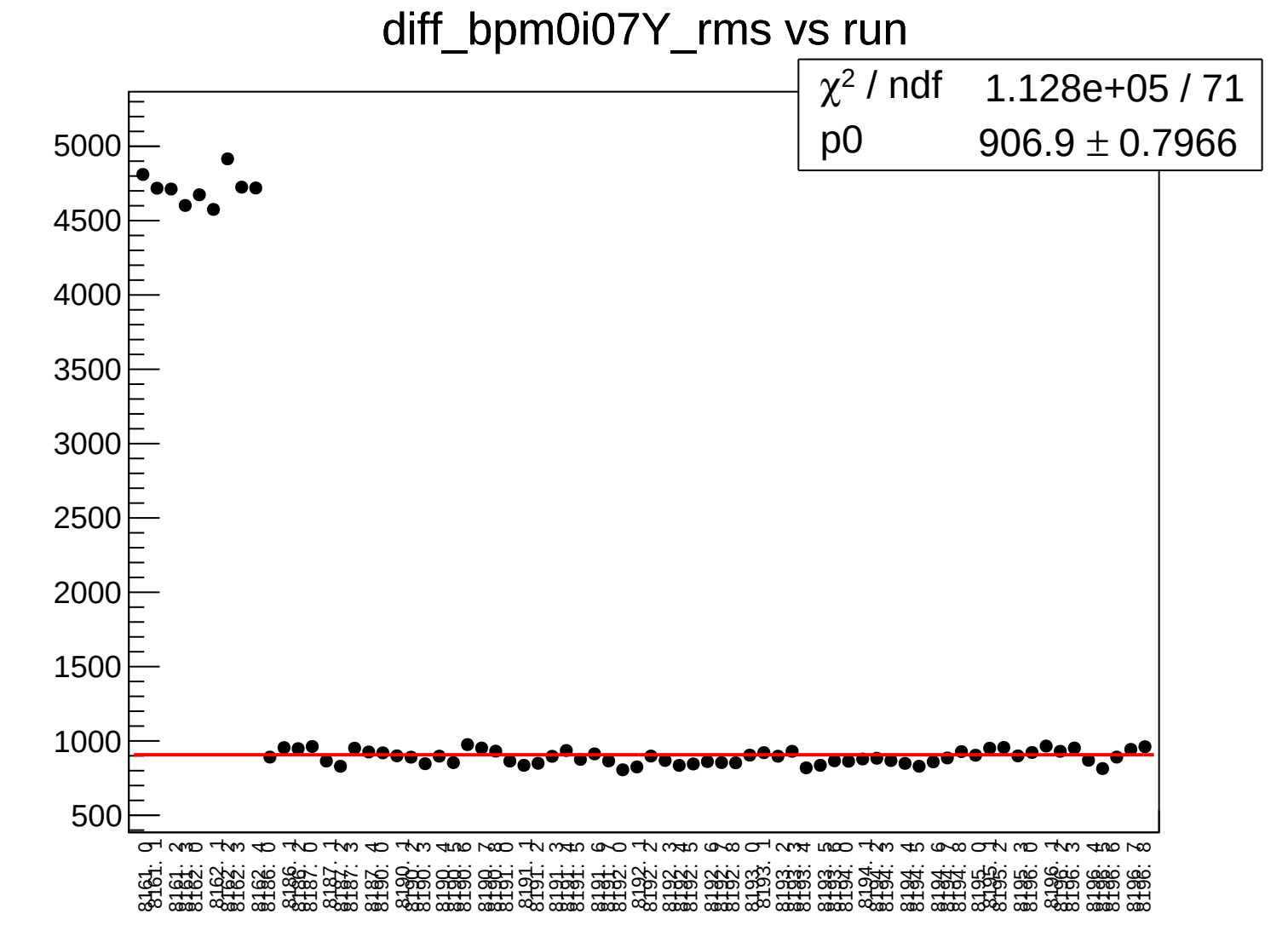

diff_bpm0i07X_mean vs run
χ² / ndf 83.26 / 71
p0 −19.79 ± 1.278
pull
Entries 72
Mean 29.23
Std Dev 17.23

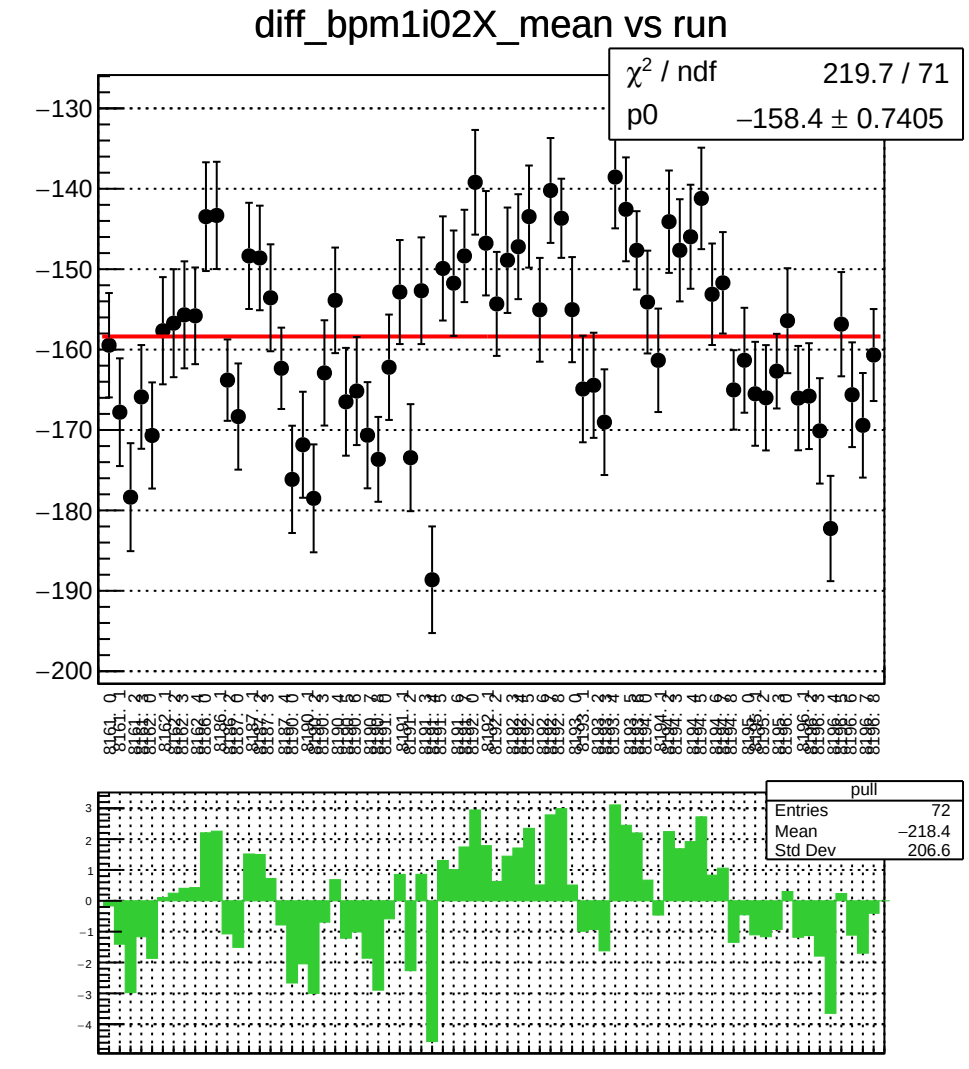

pull1D
Entries 72
Mean 0.05383
Std Dev 1.074

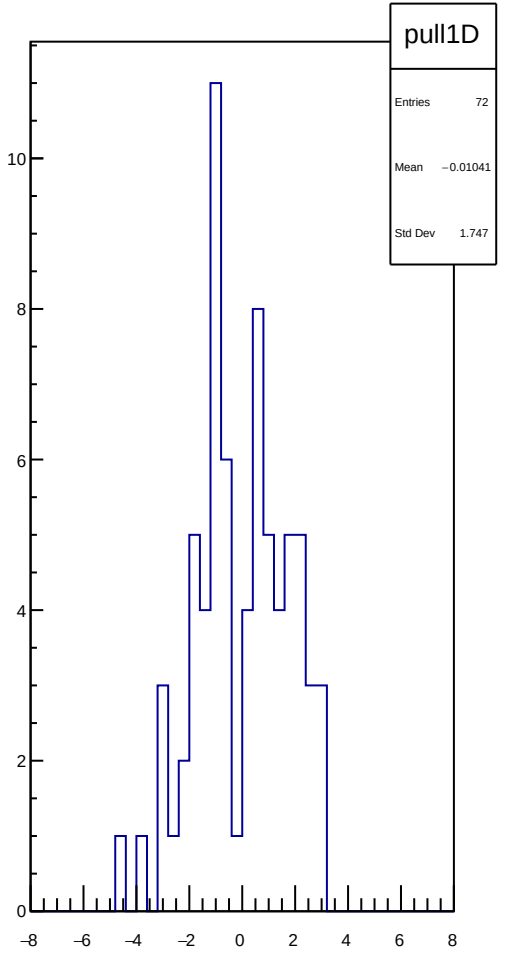

diff_bpm0i07X_rms vs run
χ² / ndf 1.255e+05 / 71
p0 1024 ± 0.9039
8000
7000
6000
5000
4000
3000
2000
1000

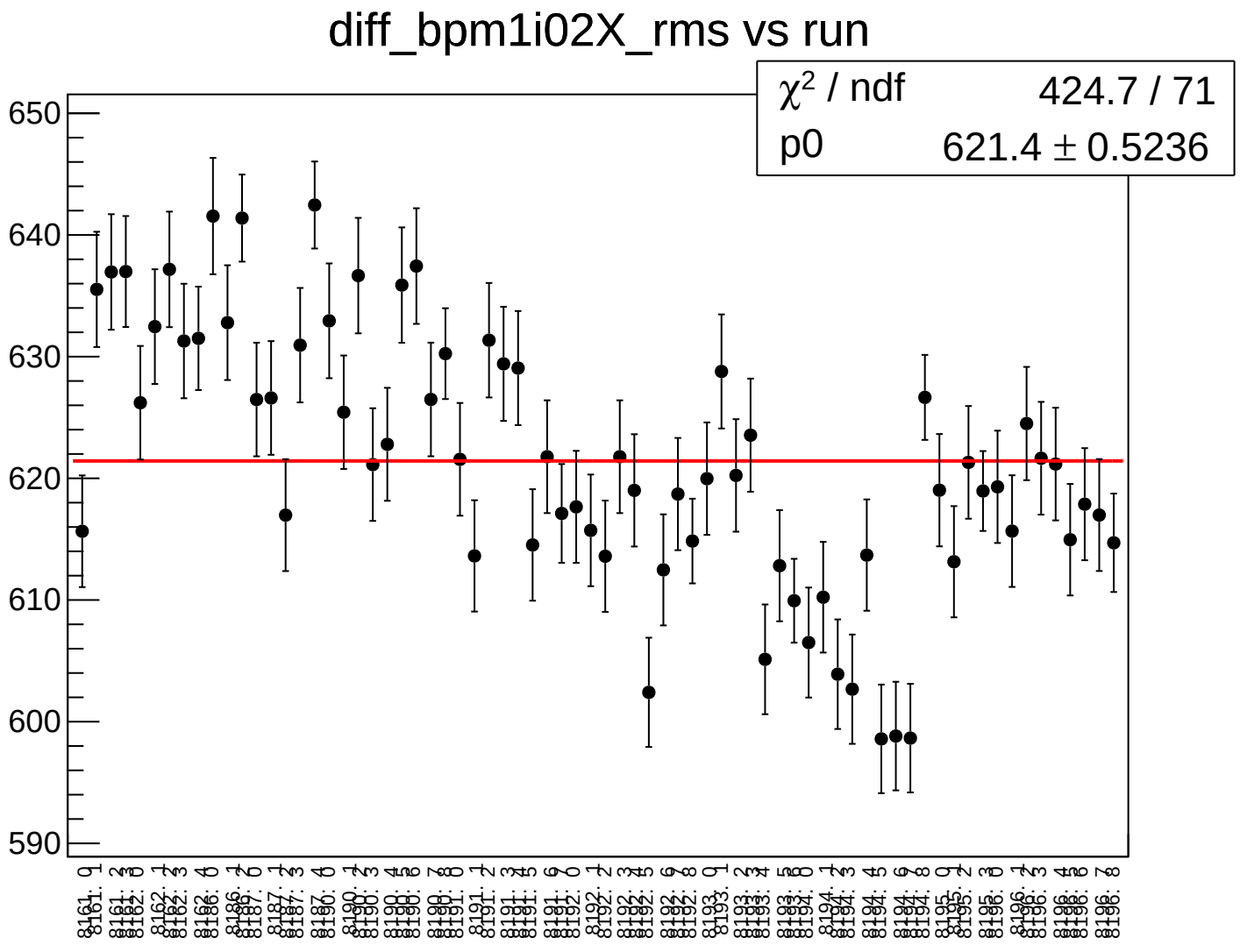

diff_bpm0i07Y_mean vs run
χ^2 / ndf 80.45 / 71
p0 3.563 ± 1.127
pull
Entries 72
Mean 169.6
Std Dev 129.2

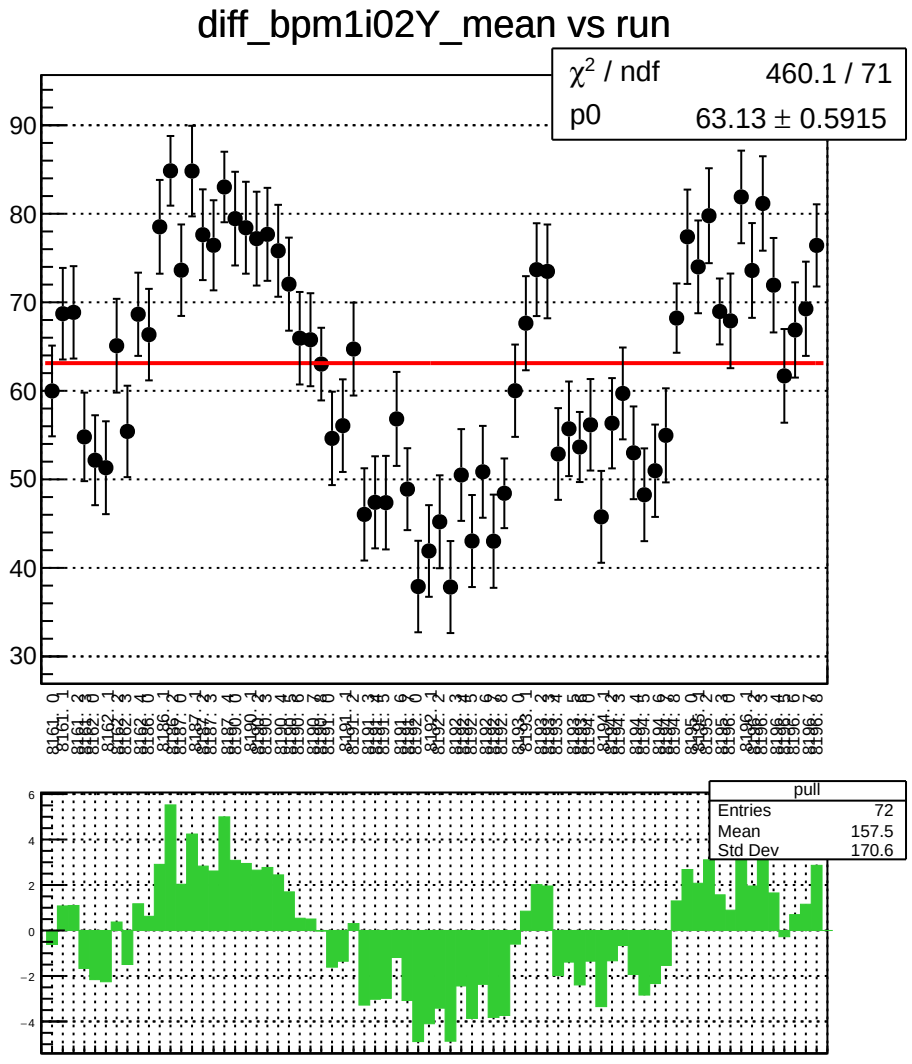

pull1D
Entries 72
Mean −0.03373
Std Dev 1.057

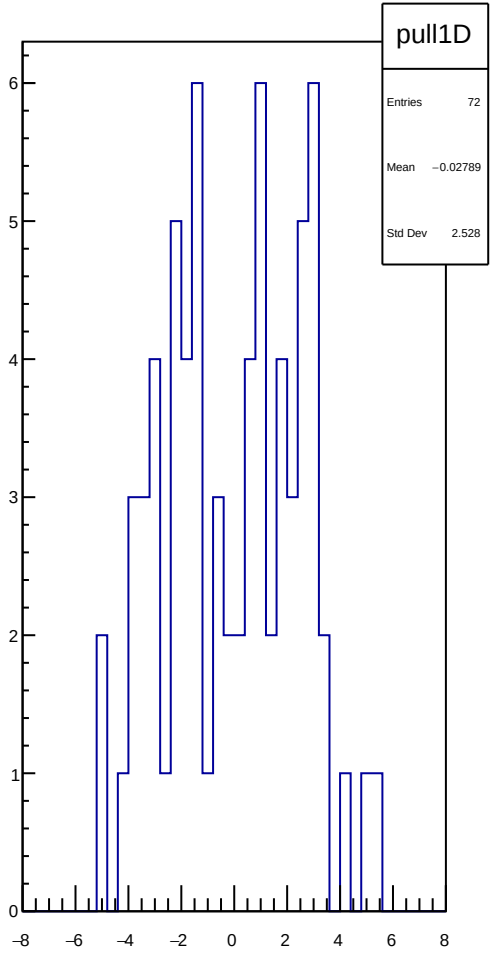

diff_bpm0i07Y_rms vs run
χ² / ndf 1.128e+05 / 71
p0 906.9 ± 0.7966
5000
4500
4000
3500
3000
2500
2000
1500
1000
500

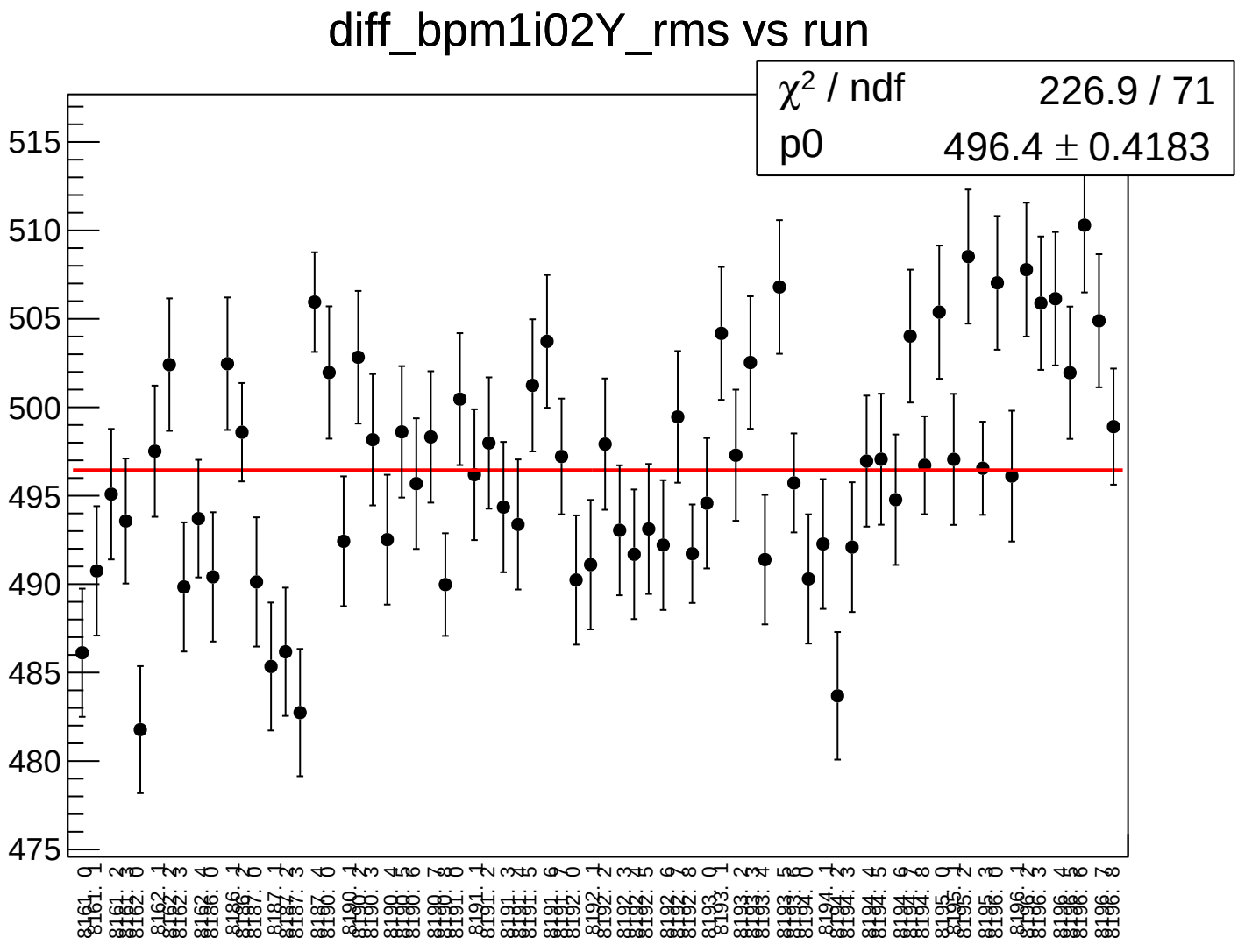

diff_bpm1i02X_mean vs run
χ² / ndf 219.7 / 71
p0 −158.4 ± 0.7405
pull
Entries 72
Mean −218.4
Std Dev 206.6

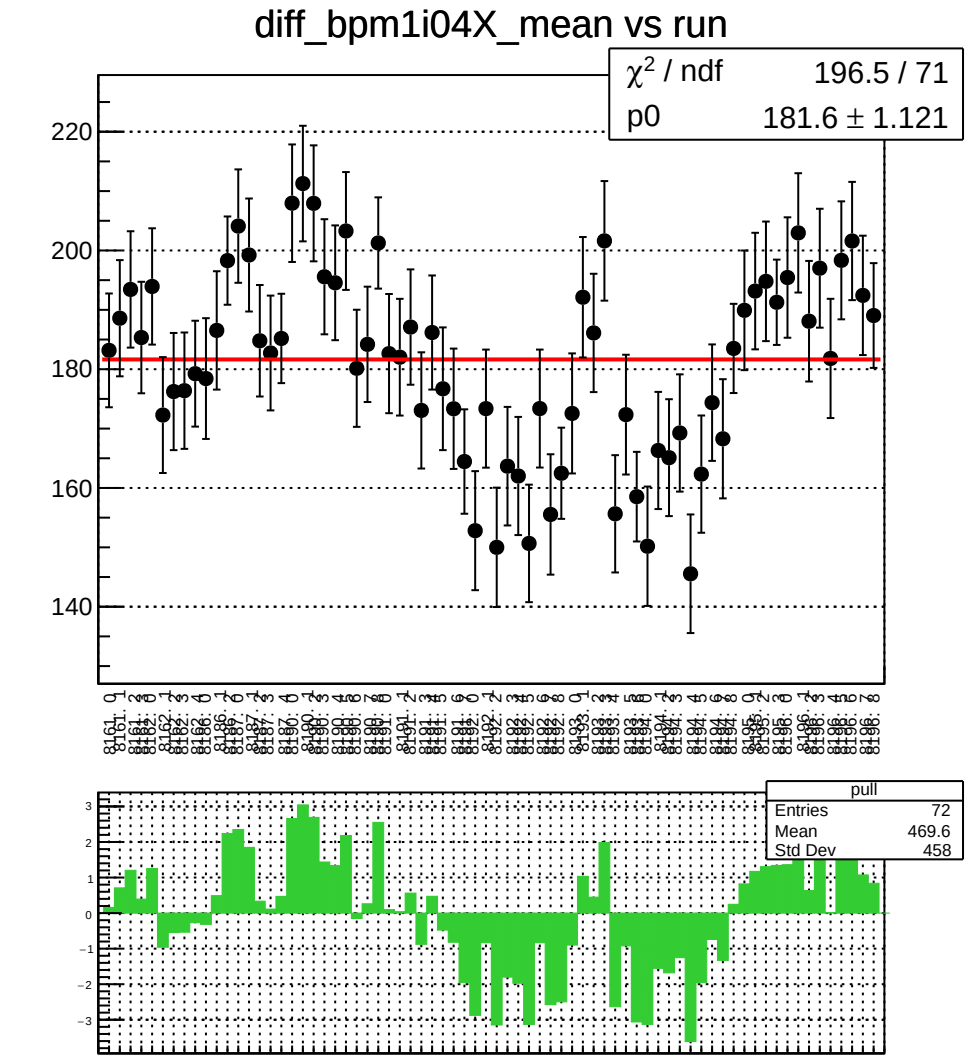

pull1D
Entries 72
Mean −0.01041
Std Dev 1.747

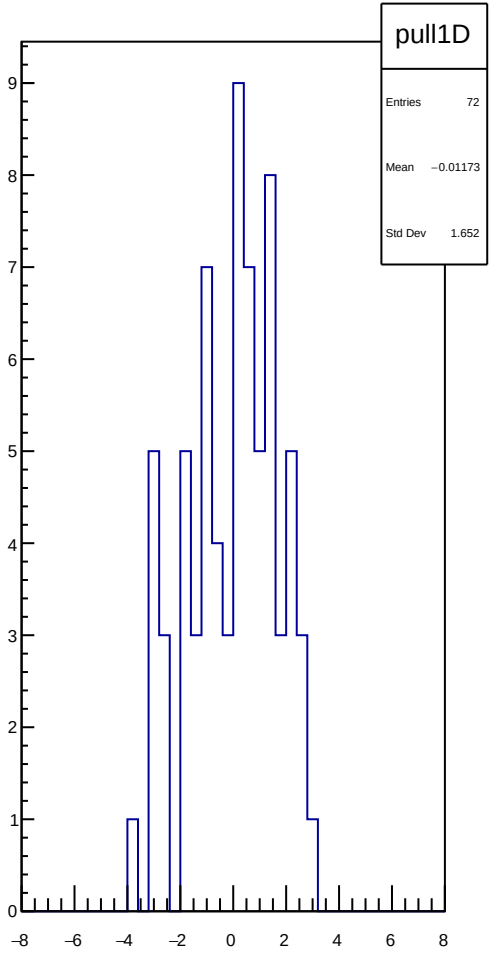

diff_bpm1i02X_rms vs run
χ² / ndf 424.7 / 71
p0 621.4 ± 0.5236
650
640
630
620
610
600
590

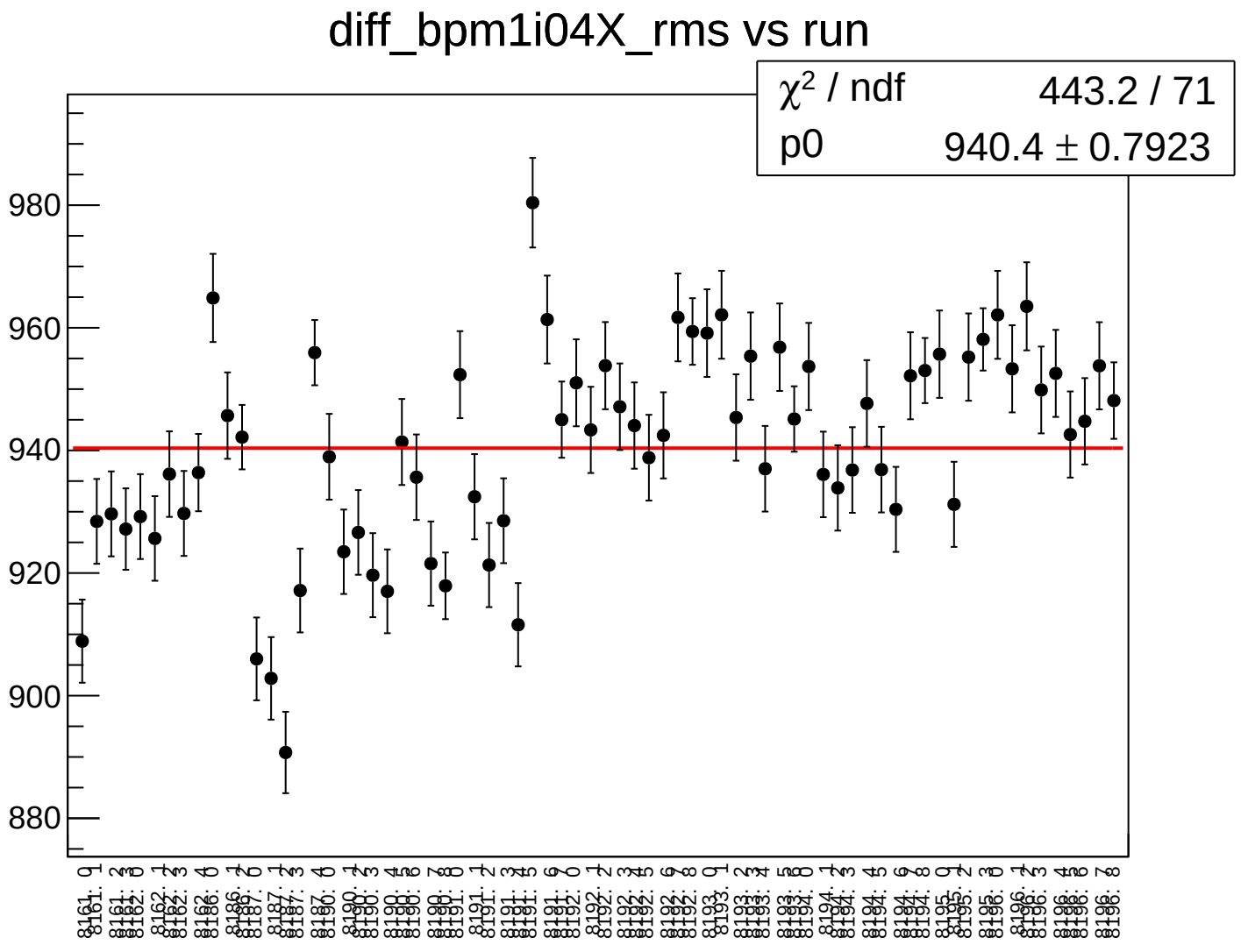

diff_bpm1i02Y_mean vs run
χ² / ndf 460.1 / 71
p0 63.13 ± 0.5915
pull
Entries 72
Mean 157.5
Std Dev 170.6

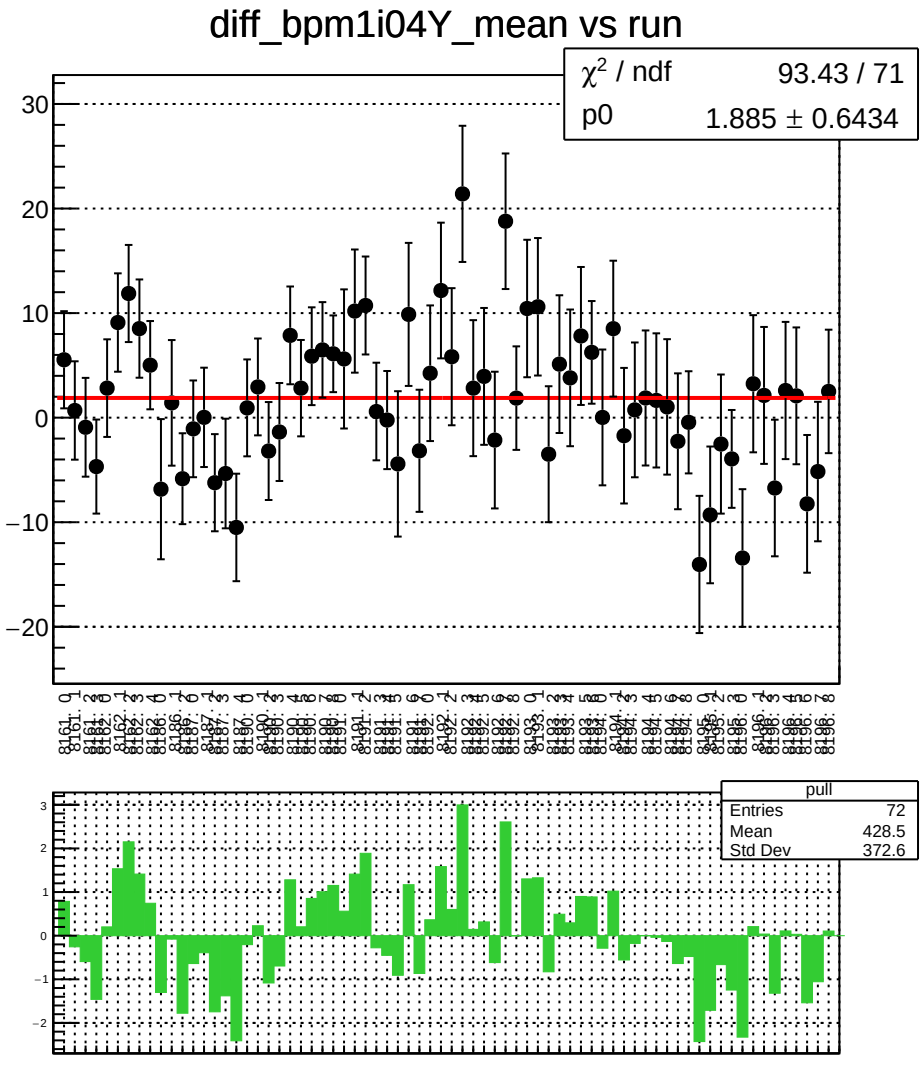

pull1D
Entries 72
Mean −0.02789
Std Dev 2.528

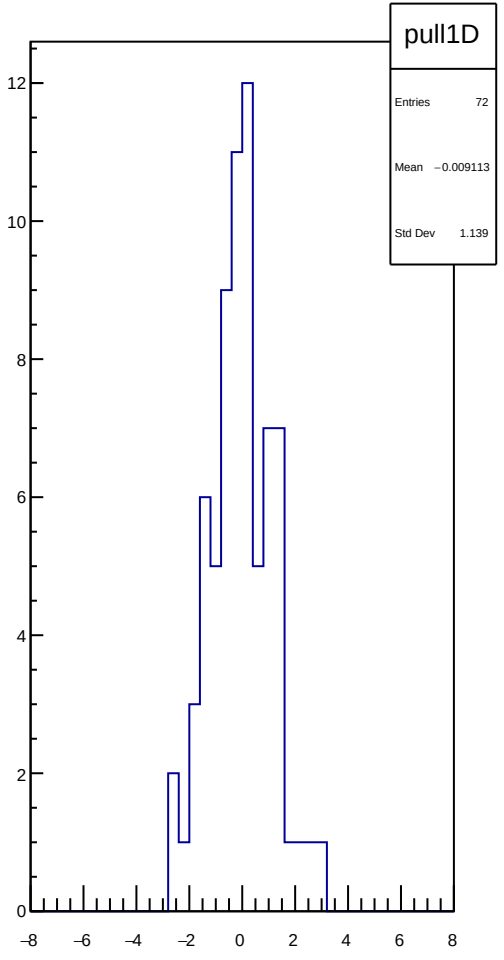

diff_bpm1i02Y_rms vs run
χ² / ndf 226.9 / 71
p0 496.4 ± 0.4183
515
510
505
500
495
490
485
480
475

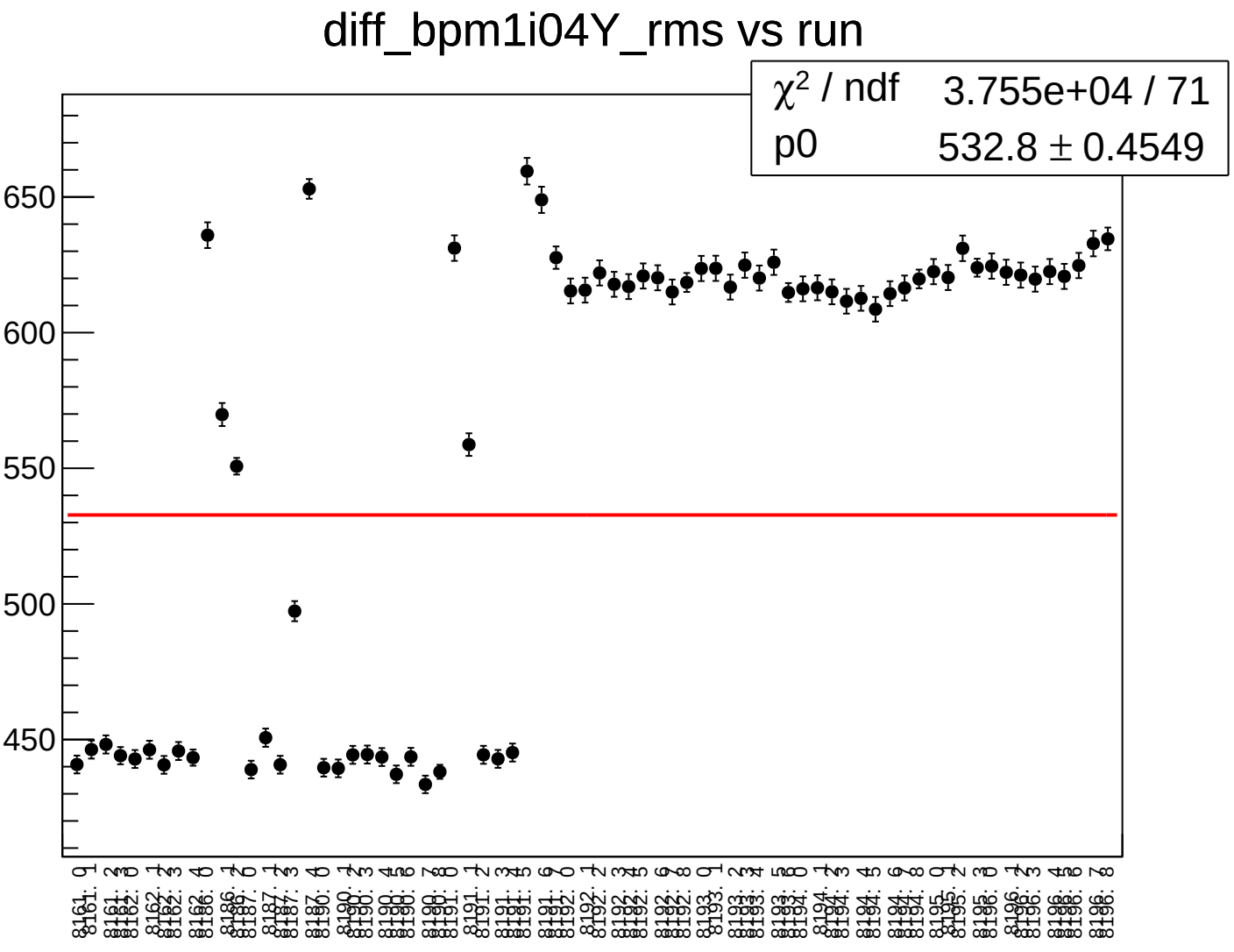

diff_bpm1i04X_mean vs run
χ² / ndf 196.5 / 71
p0 181.6 ± 1.121
220
200
180
160
140
pull
Entries 72
Mean 469.6
Std Dev 458
3
2
1
0
−1
−2
−3

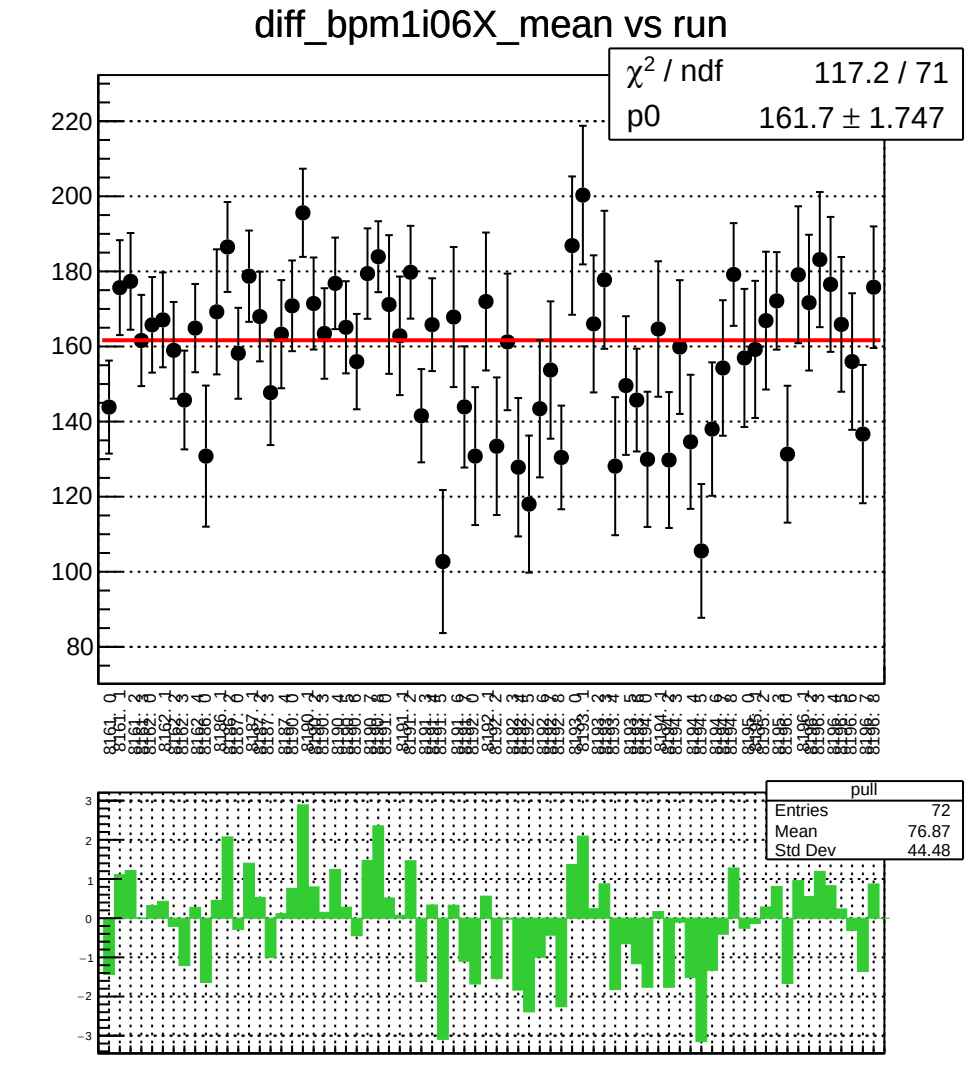

pull1D
Entries 72
Mean −0.01173
Std Dev 1.652
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

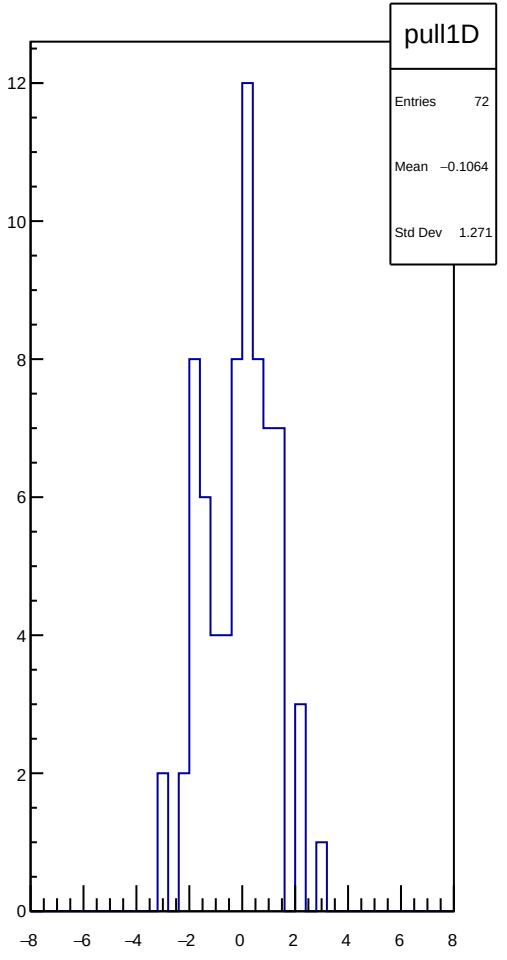

diff_bpm1i04X_rms vs run
χ² / ndf 443.2 / 71
p0 940.4 ± 0.7923
980
960
940
920
900
880

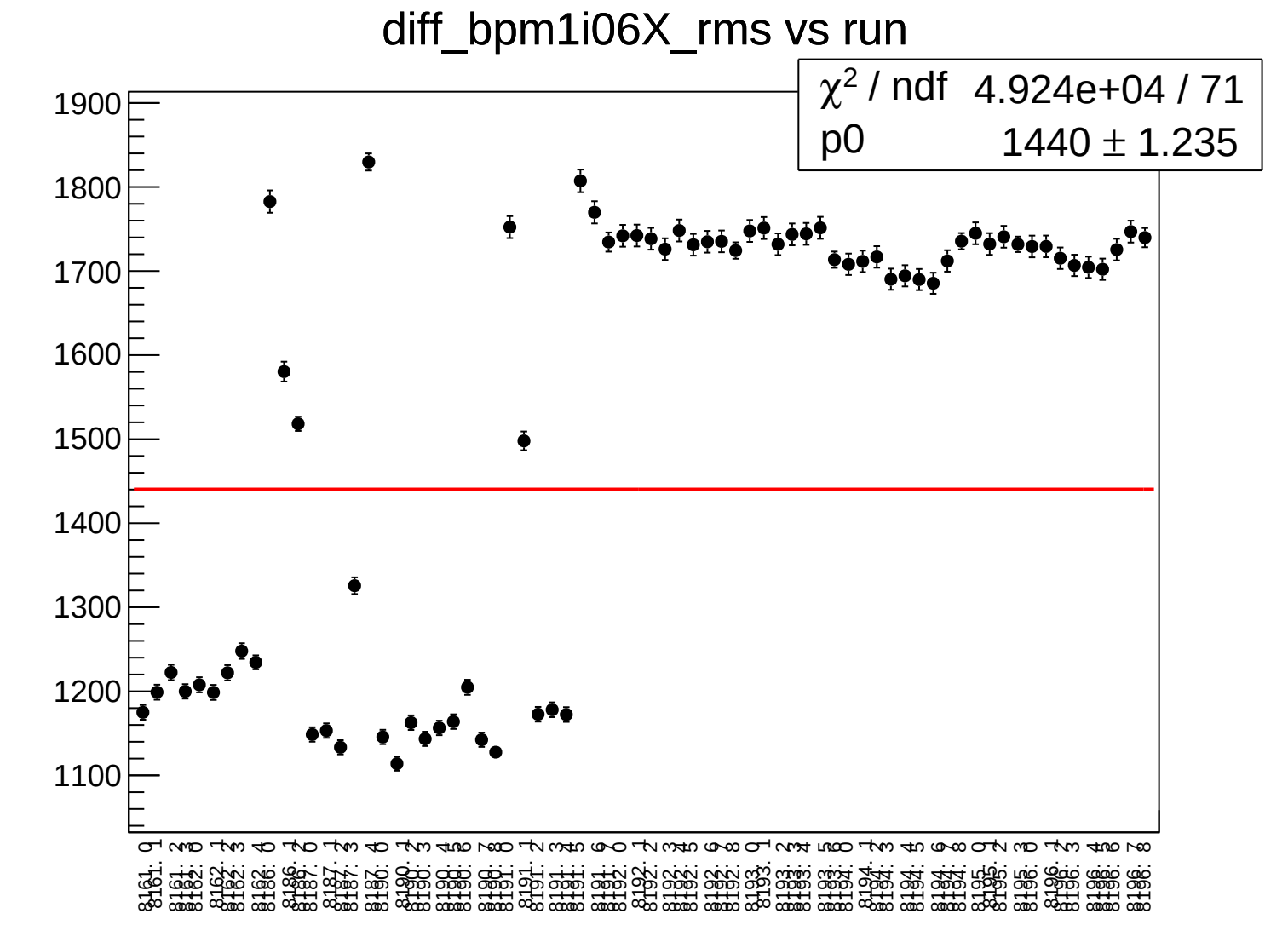

diff_bpm1i04Y_mean vs run
χ^2 / ndf 93.43 / 71
p0 1.885 ± 0.6434
pull
Entries 72
Mean 428.5
Std Dev 372.6

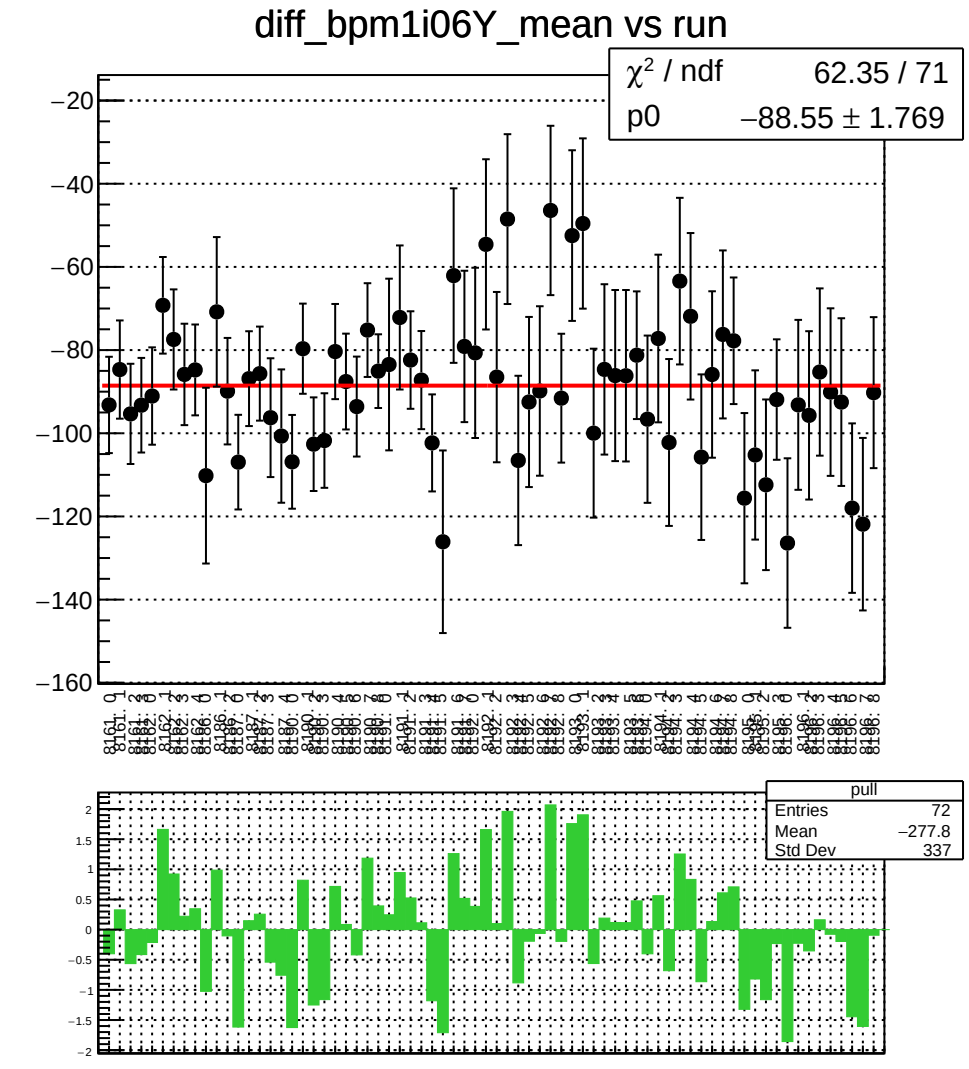

pull1D
Entries 72
Mean −0.009113
Std Dev 1.139

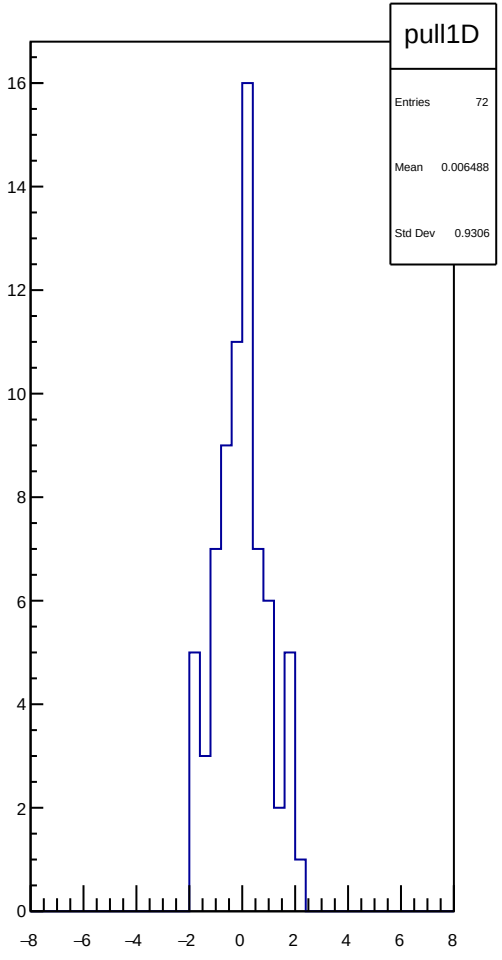

diff_bpm1i04Y_rms vs run
χ² / ndf 3.755e+04 / 71
p0 532.8 ± 0.4549
650
600
550
500
450

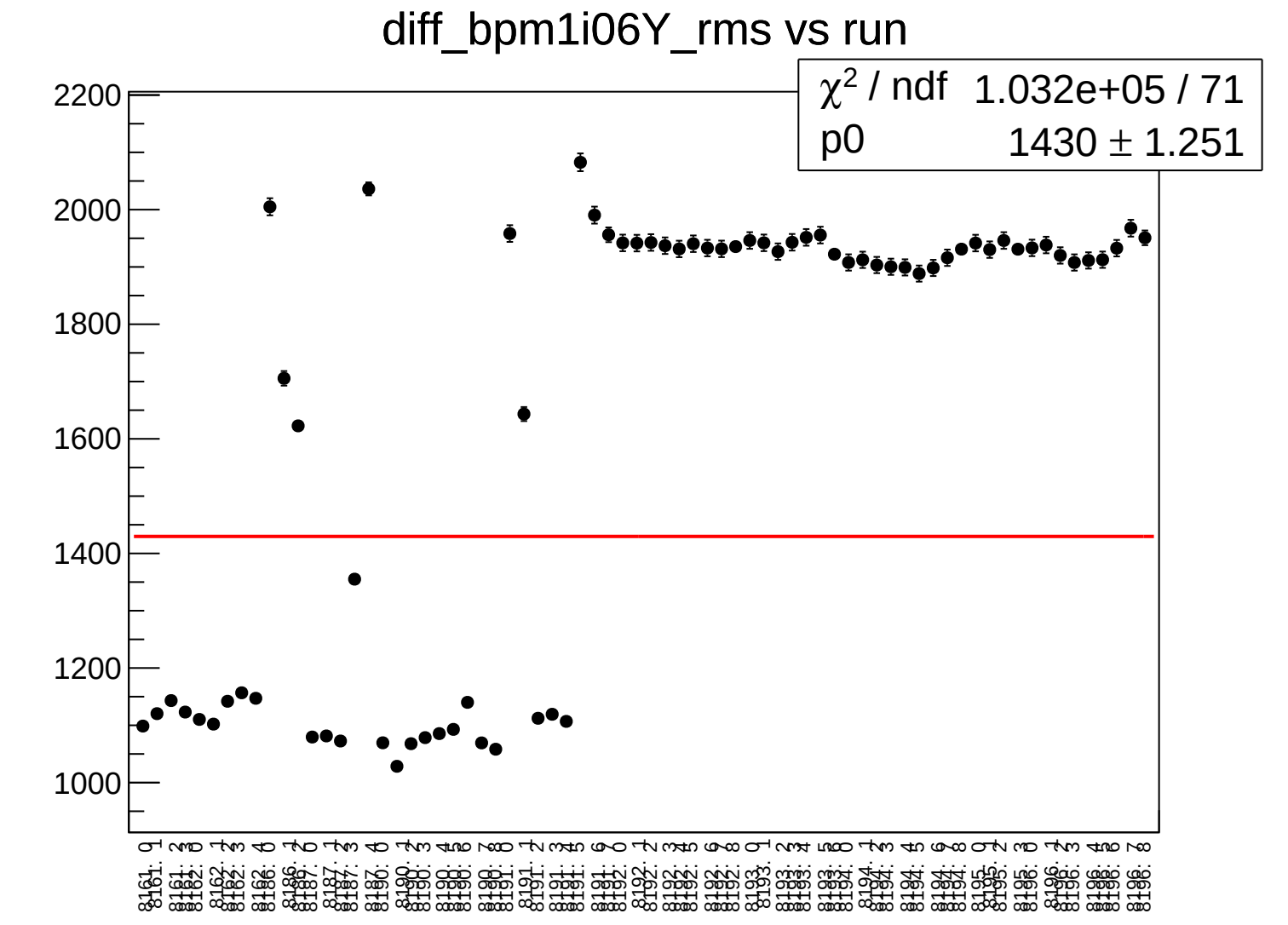

diff_bpm1i06X_mean vs run
χ^2 / ndf 117.2 / 71
p0 161.7 ± 1.747
pull
Entries 72
Mean 76.87
Std Dev 44.48

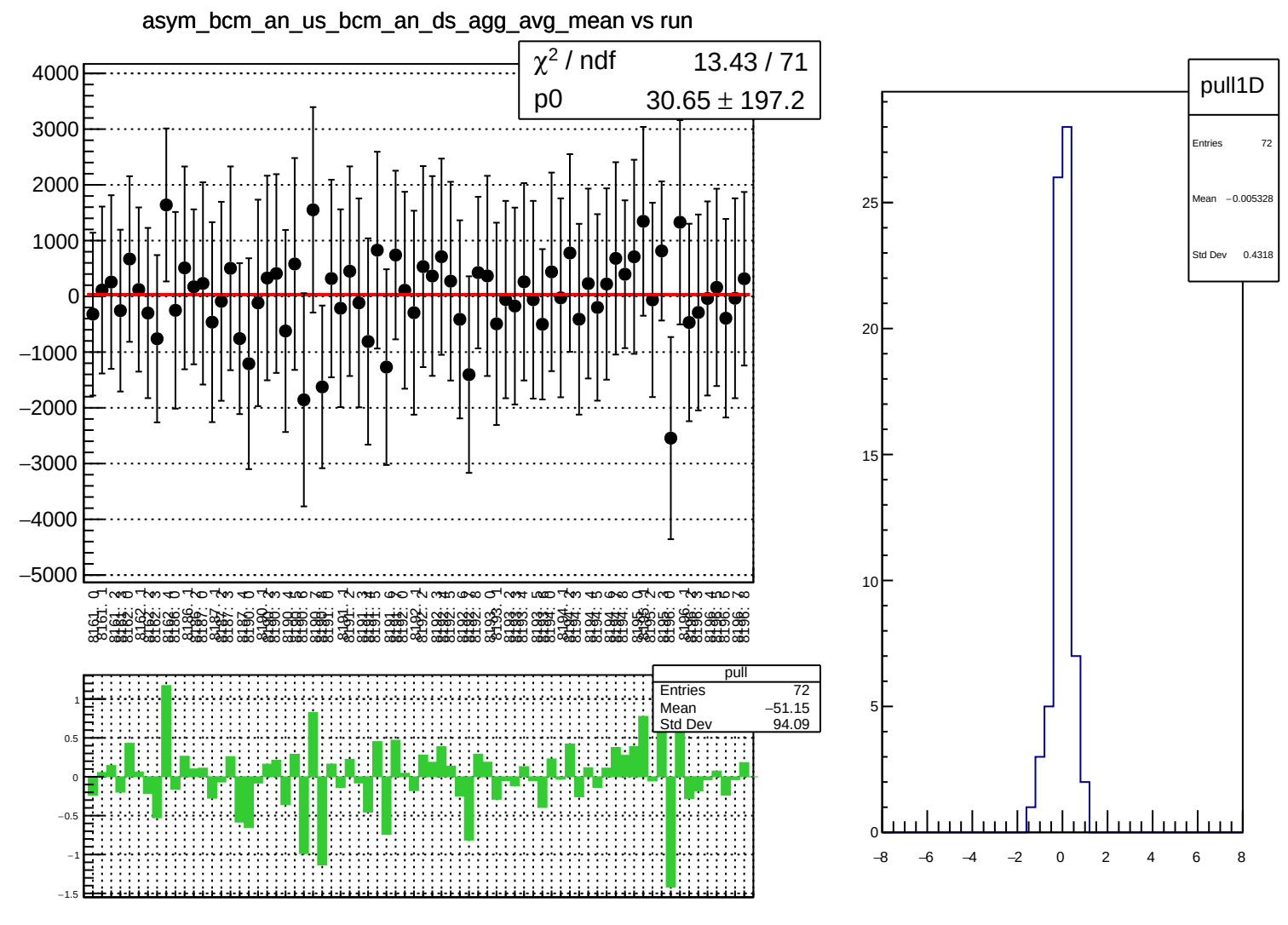

pull1D
Entries 72
Mean −0.1064
Std Dev 1.271

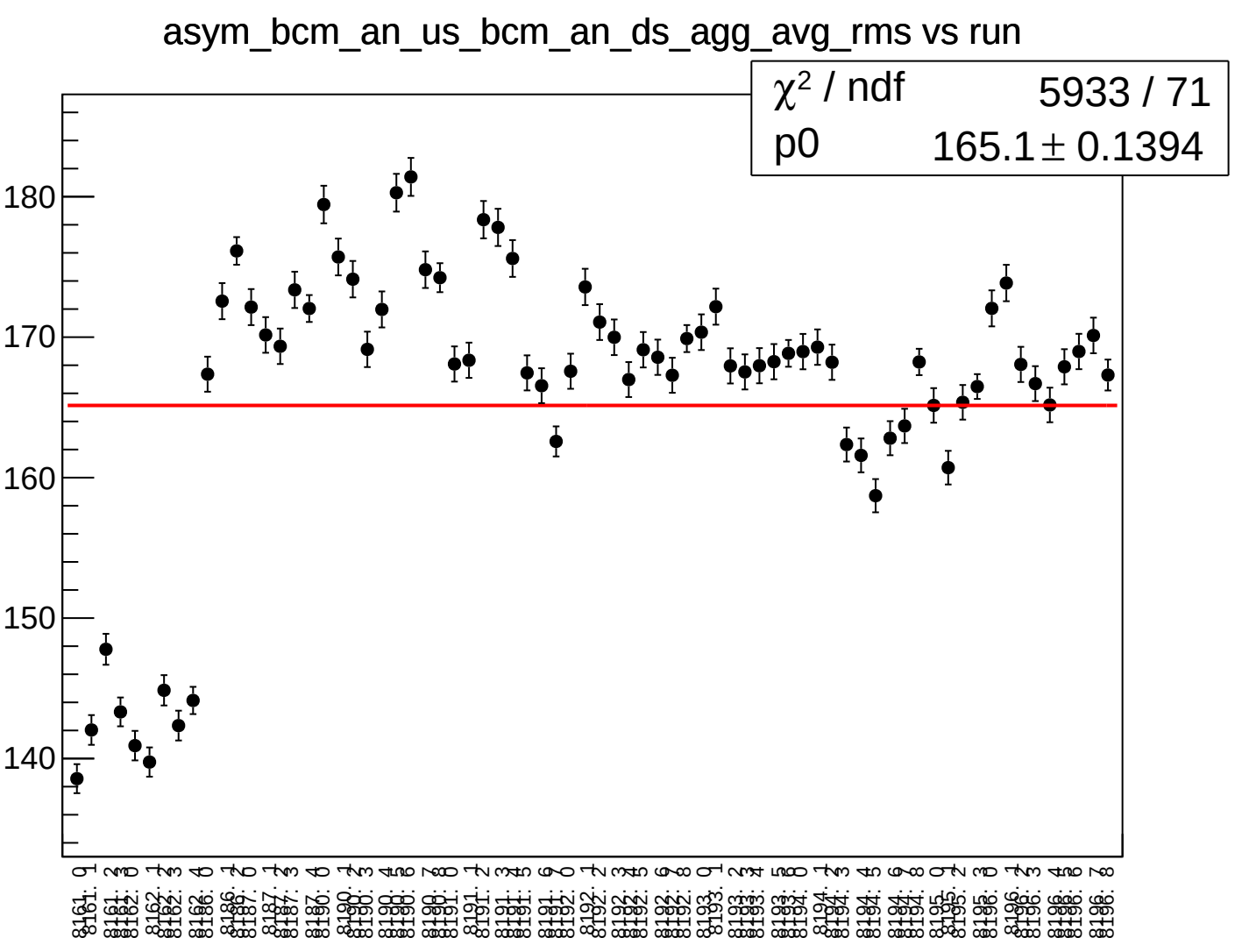

diff_bpm1i06X_rms vs run
χ² / ndf 4.924e+04 / 71
p0 1440 ± 1.235
1900
1800
1700
1600
1500
1400
1300
1200
1100

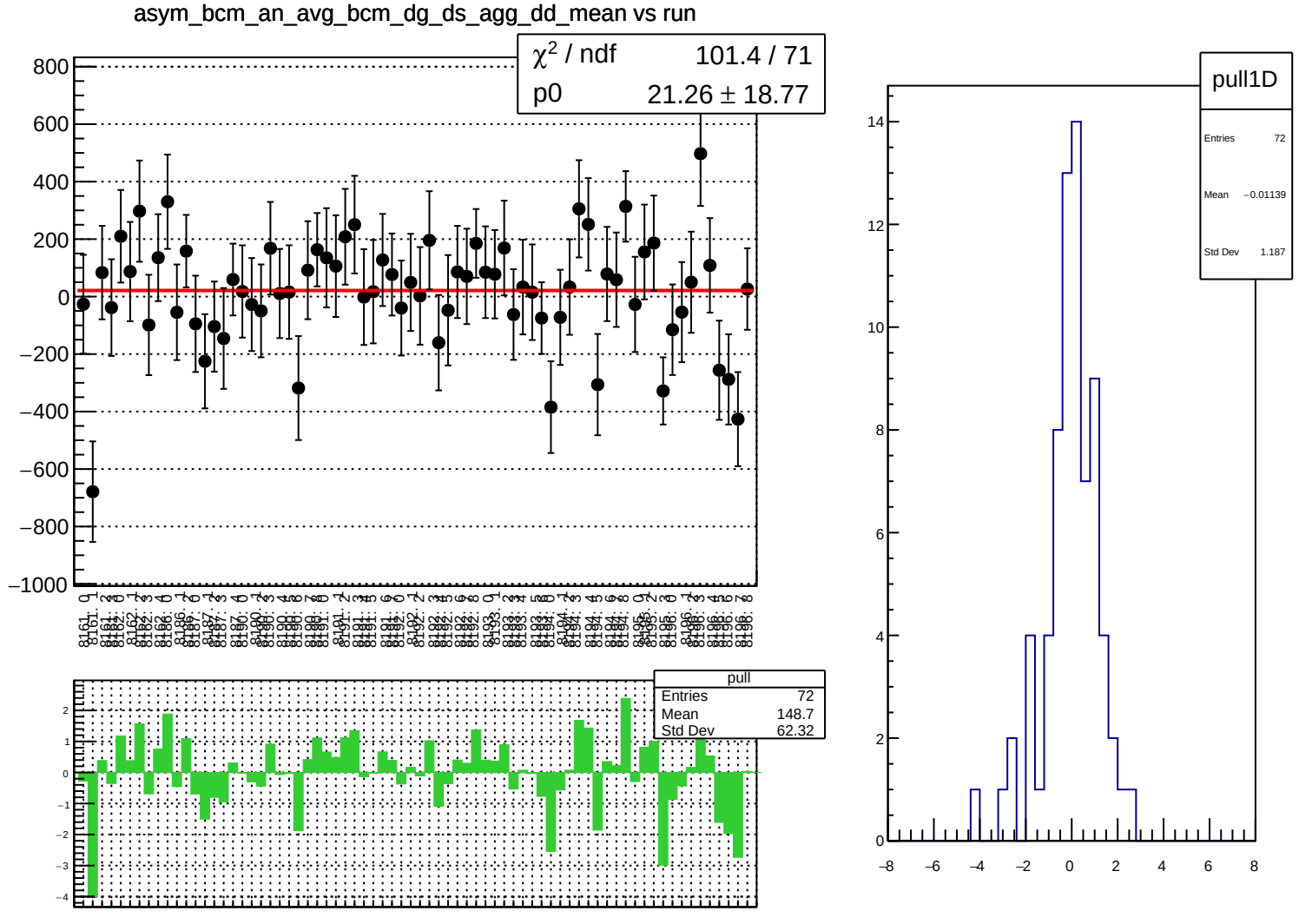

diff_bpm1i06Y_mean vs run
χ² / ndf 62.35 / 71
p0 −88.55 ± 1.769
pull
Entries 72
Mean −277.8
Std Dev 337

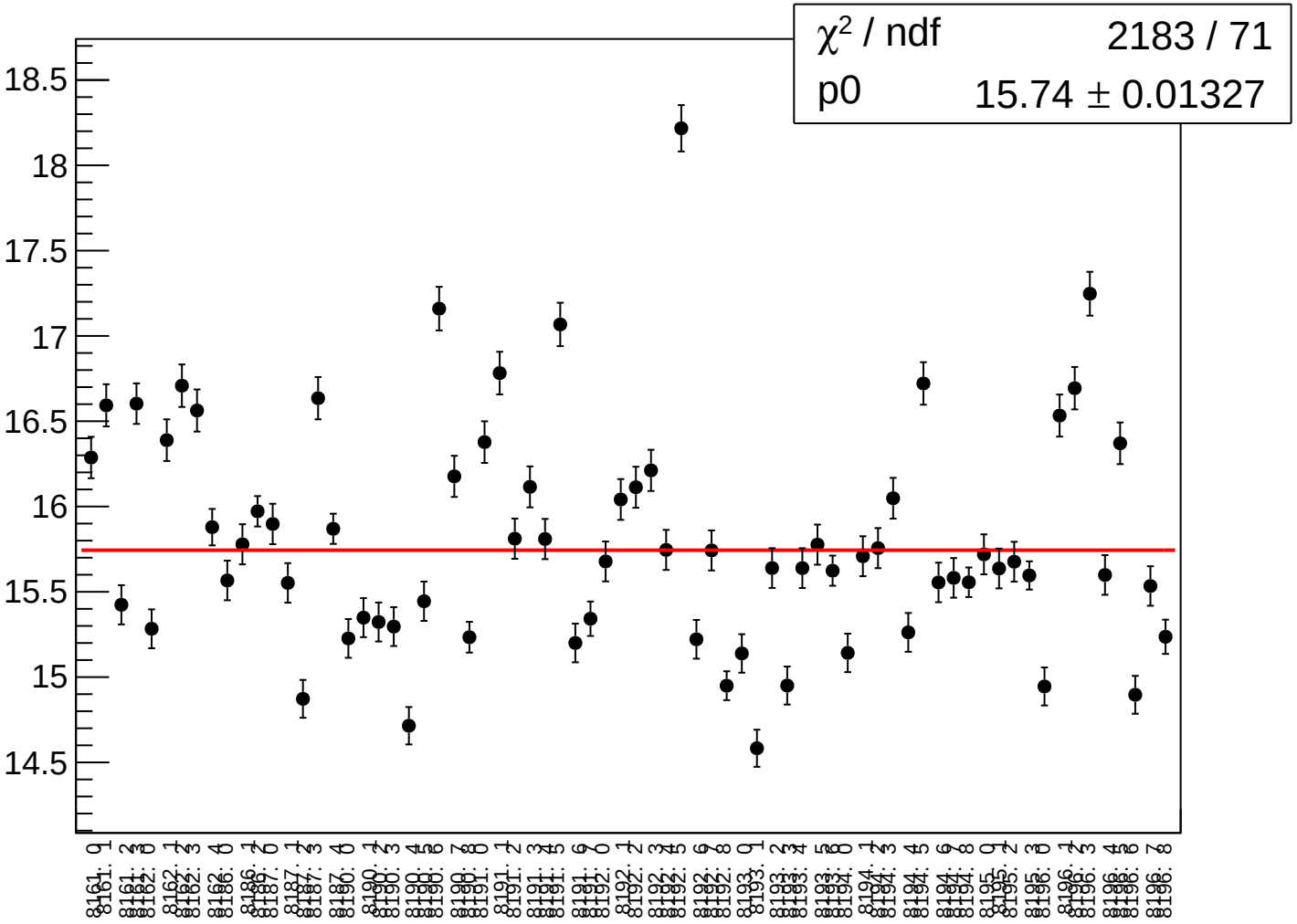

pull1D
Entries 72
Mean 0.006488
Std Dev 0.9306

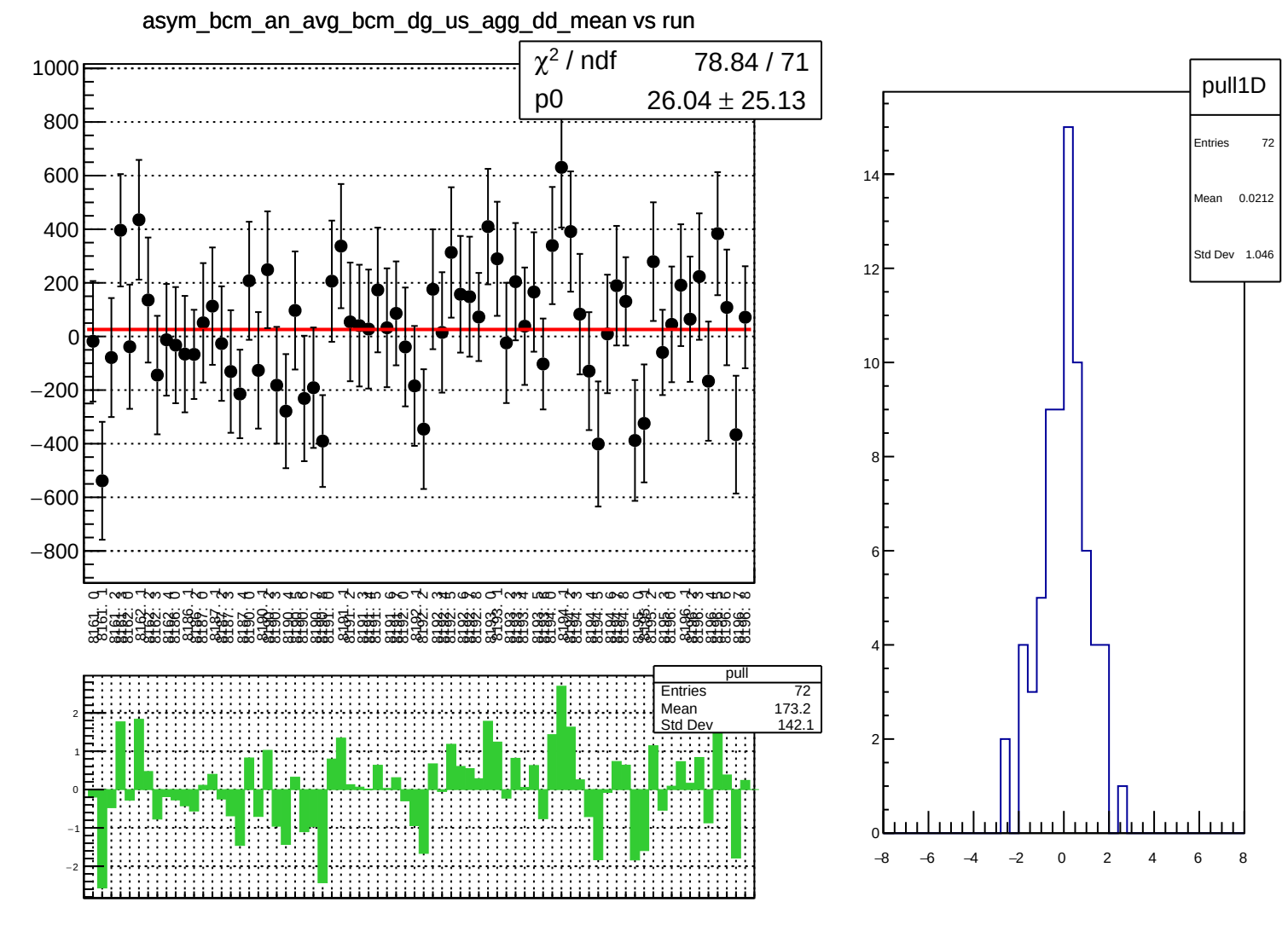

diff_bpm1i06Y_rms vs run
χ² / ndf 1.032e+05 / 71
p0 1430 ± 1.251
2200
2000
1800
1600
1400
1200
1000

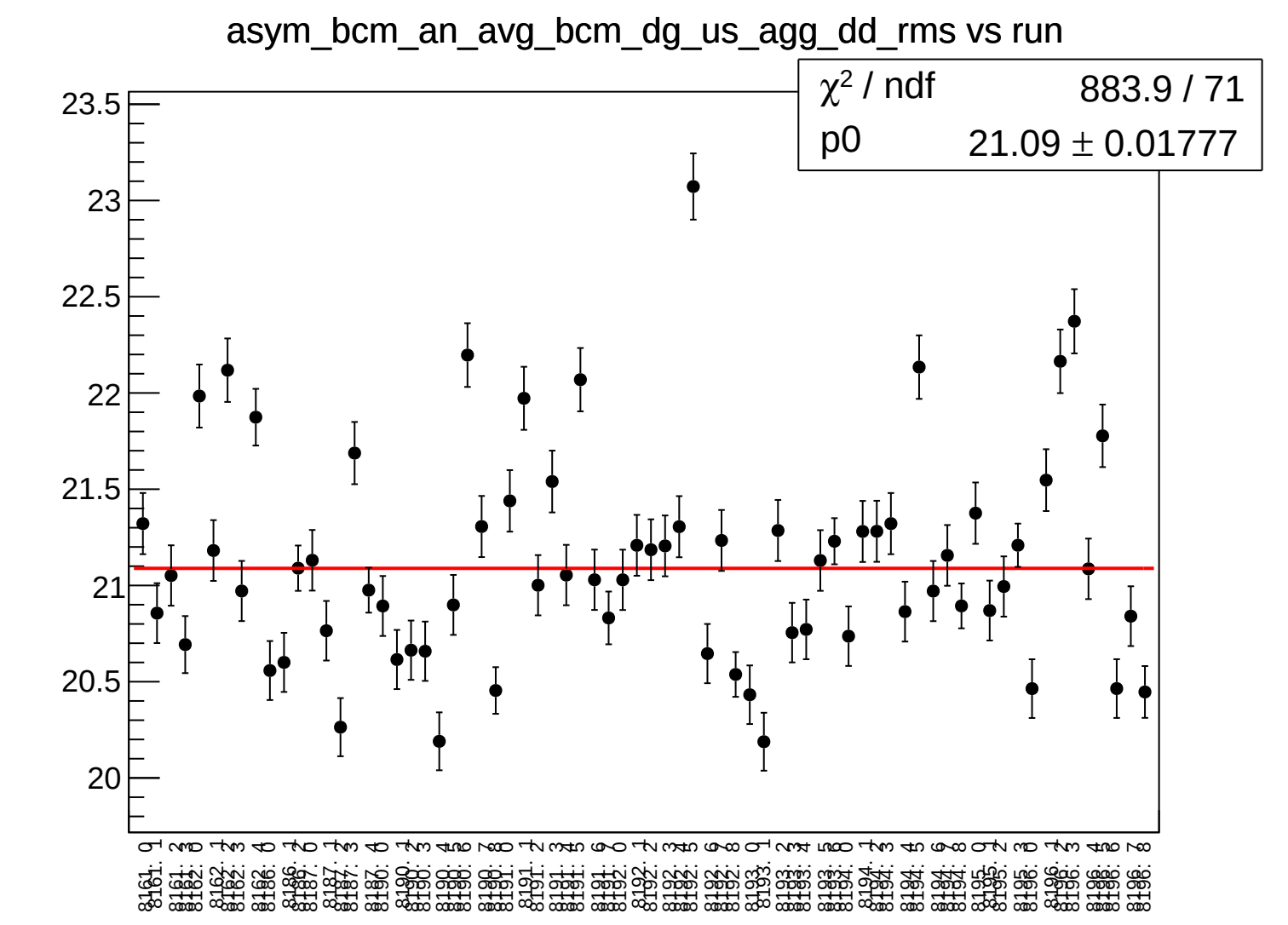

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 13.43 / 71
p0 30.65 ± 197.2
pull
Entries 72
Mean −51.15
Std Dev 94.09
pull1D
Entries 72
Mean −0.005328
Std Dev 0.4318

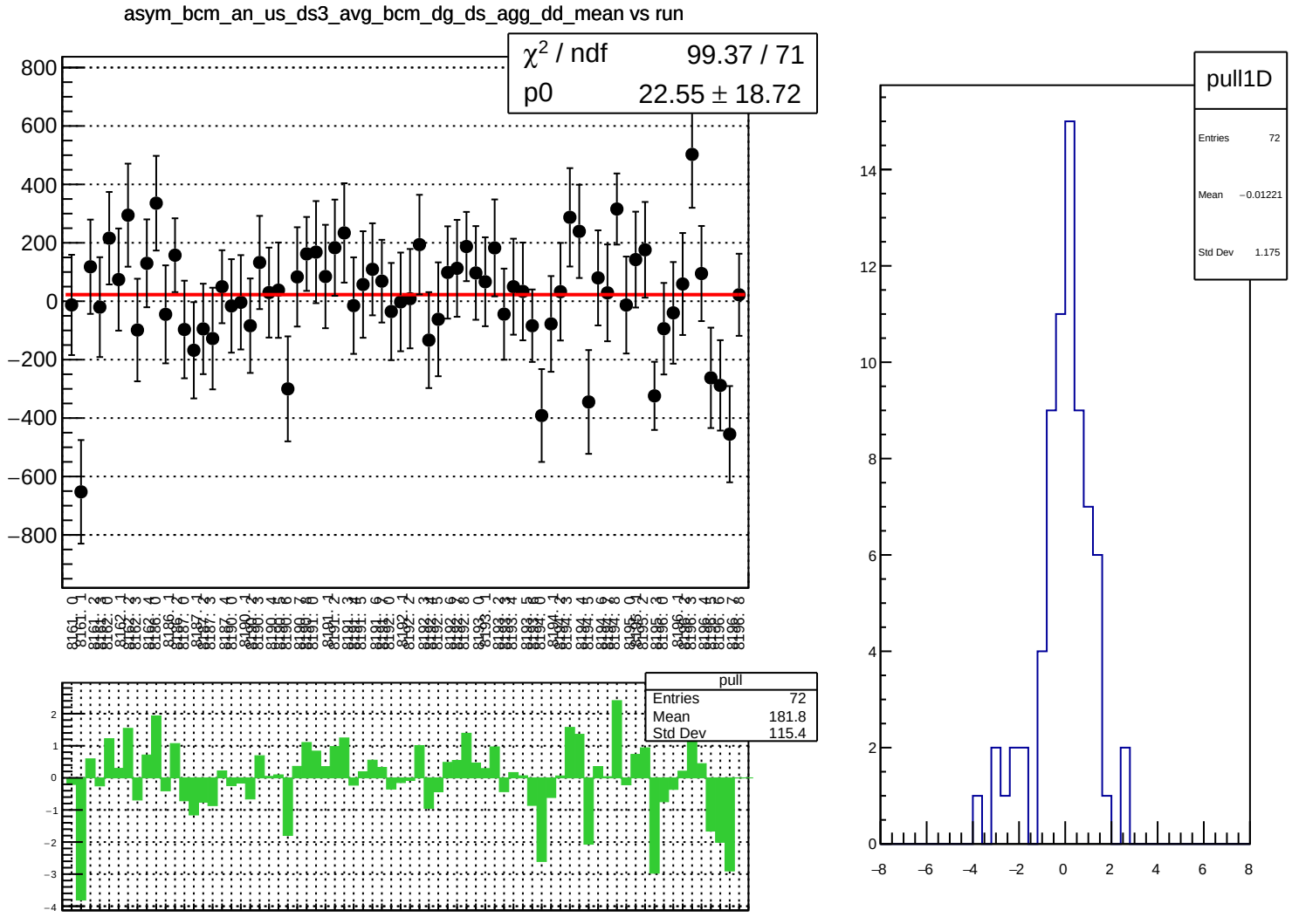

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 5933 / 71
p0 165.1 ± 0.1394
180
170
160
150
140

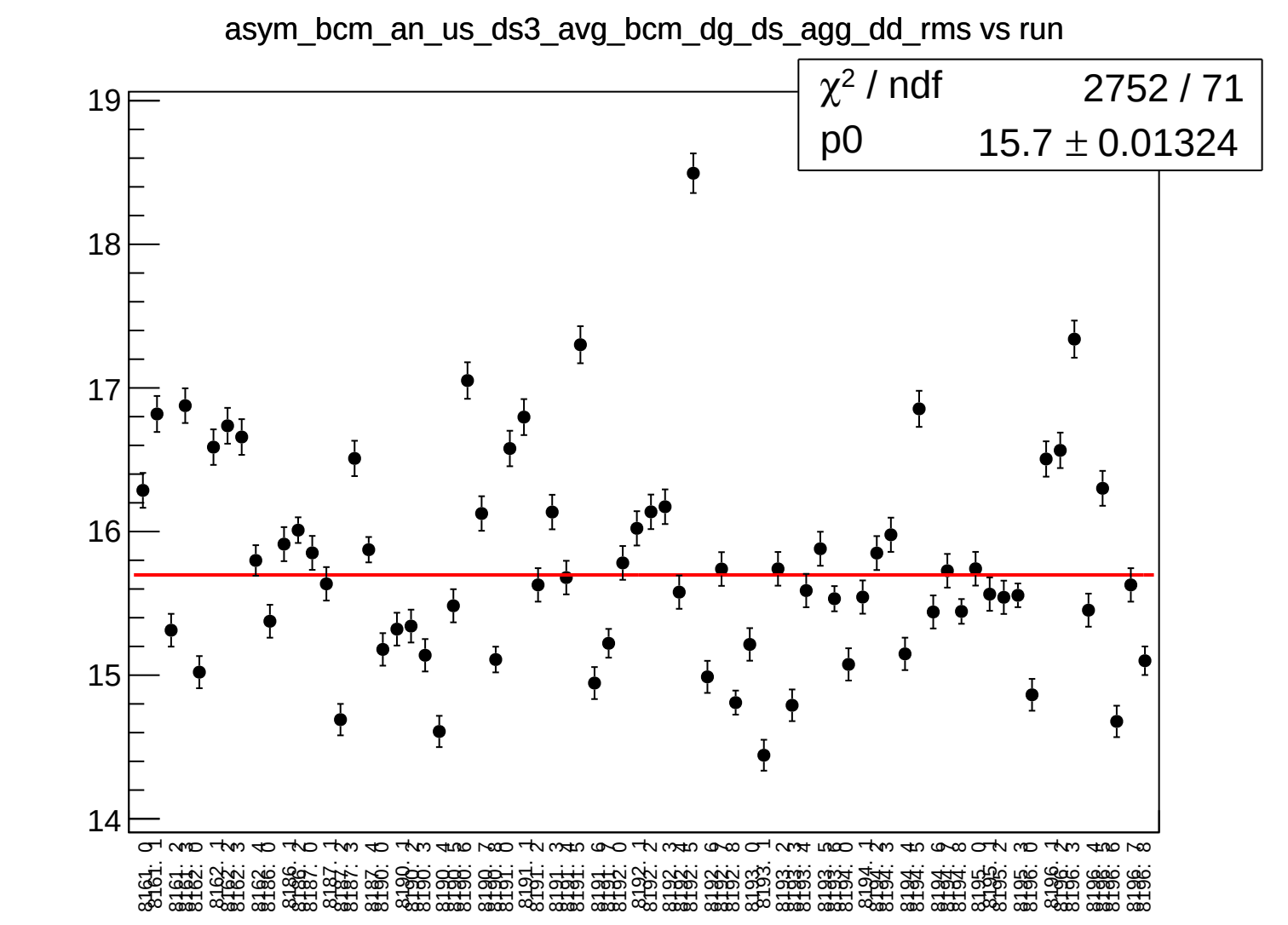

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 101.4 / 71
p0 21.26 ± 18.77
pull
Entries 72
Mean 148.7
Std Dev 62.32
pull1D
Entries 72
Mean −0.01139
Std Dev 1.187

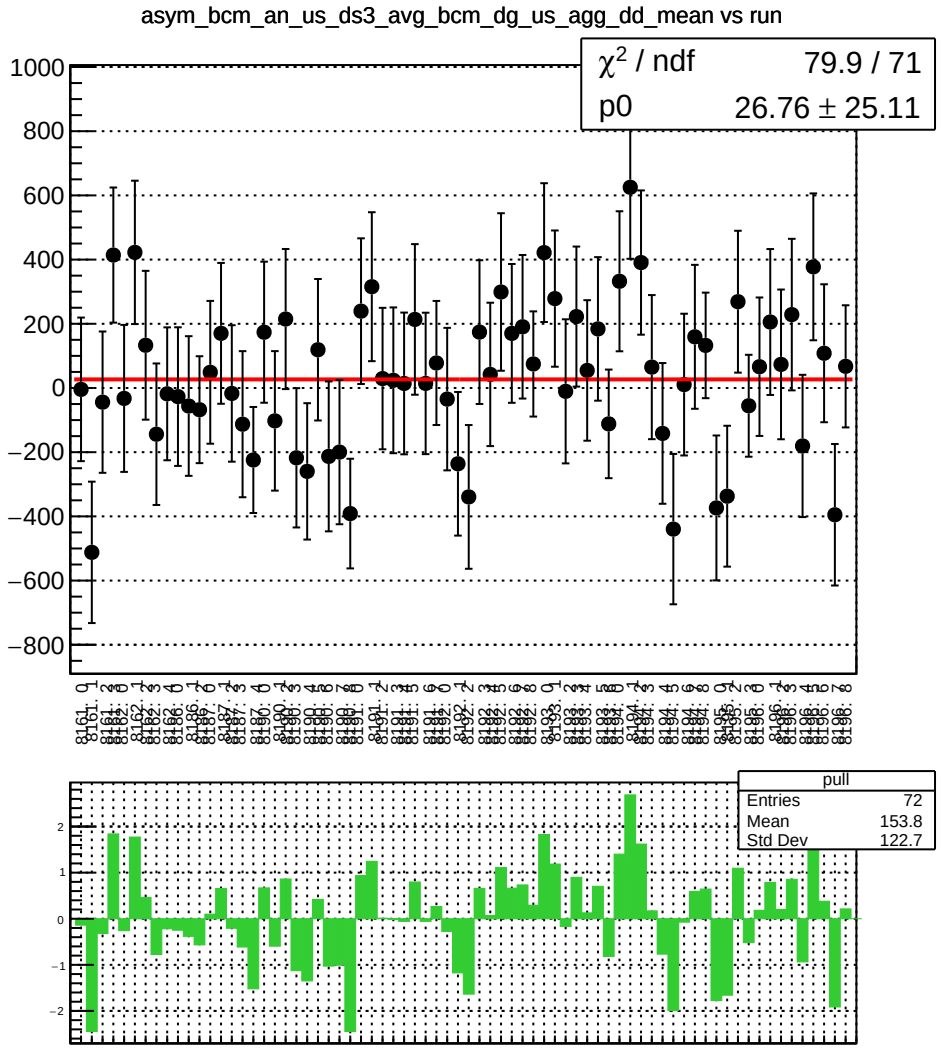

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2183 / 71
p0 15.74 ± 0.01327
18.5
18
17.5
17
16.5
16
15.5
15
14.5

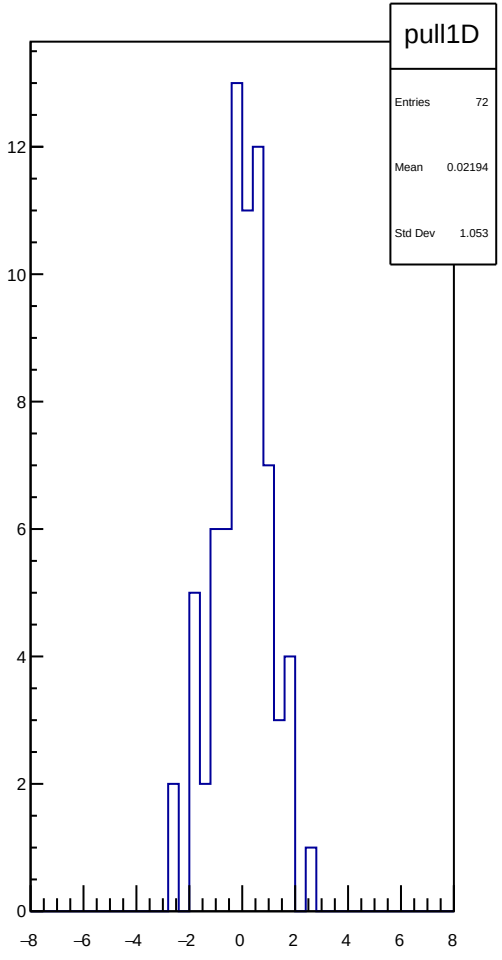

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 78.84 / 71
p0 26.04 ± 25.13
pull
Entries 72
Mean 173.2
Std Dev 142.1
pull1D
Entries 72
Mean 0.0212
Std Dev 1.046

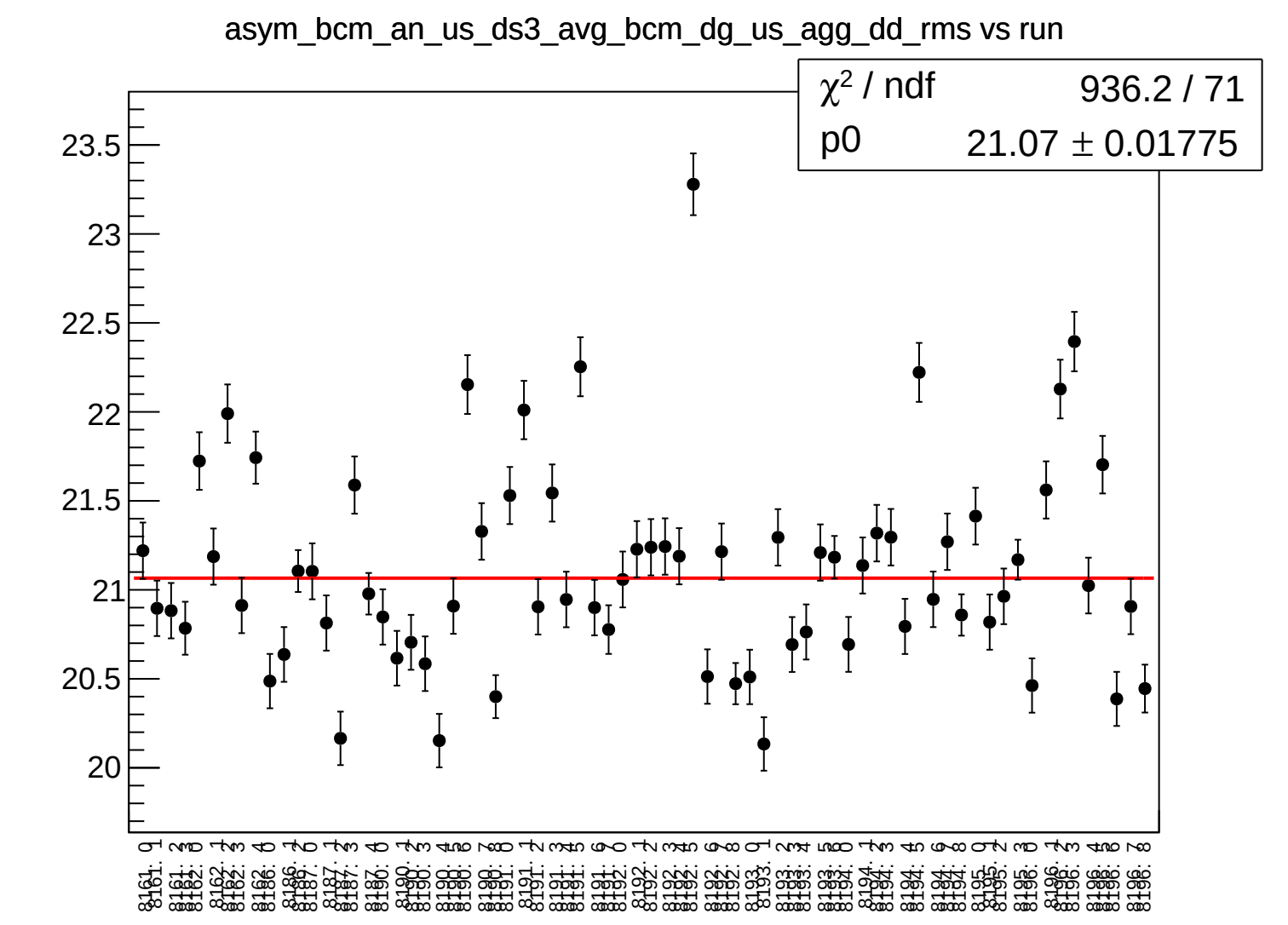

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 883.9 / 71
p0 21.09 ± 0.01777
23.5
23
22.5
22
21.5
21
20.5
20

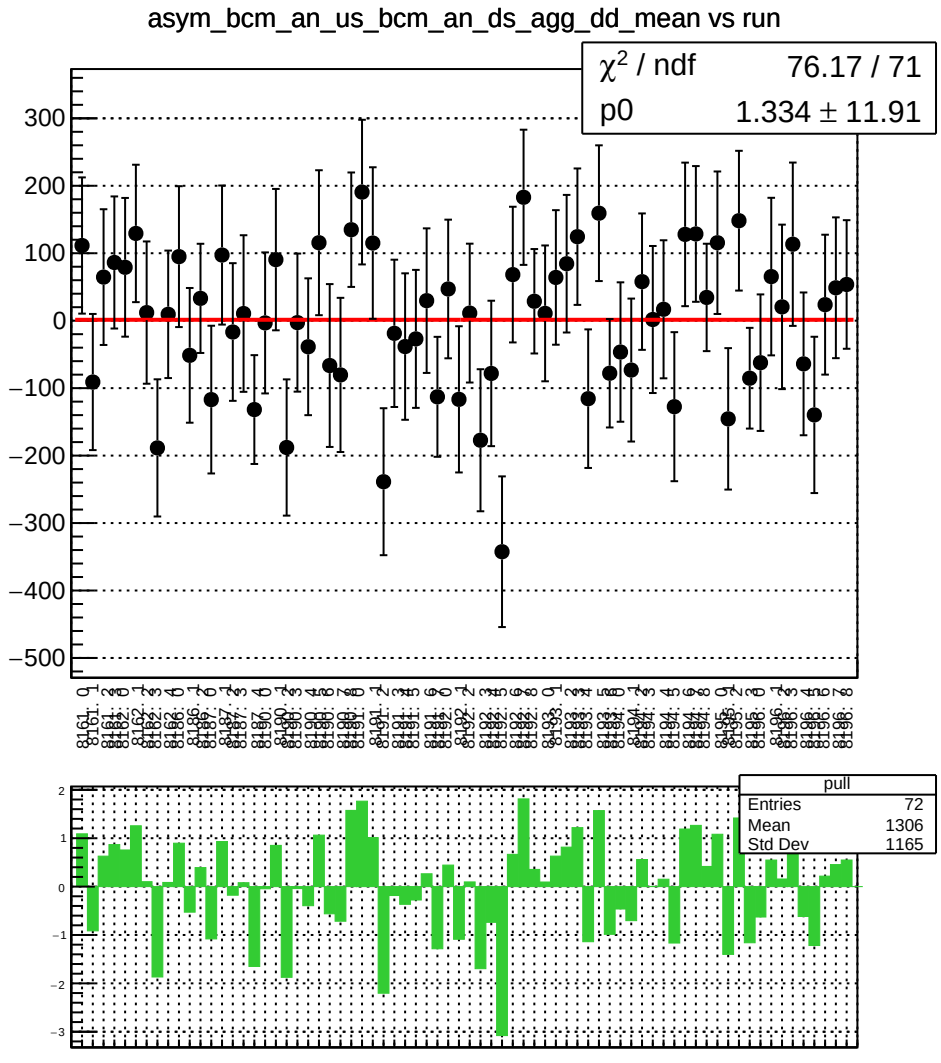

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 99.37 / 71
p0 22.55 ± 18.72
pull
Entries 72
Mean 181.8
Std Dev 115.4
pull1D
Entries 72
Mean −0.01221
Std Dev 1.175

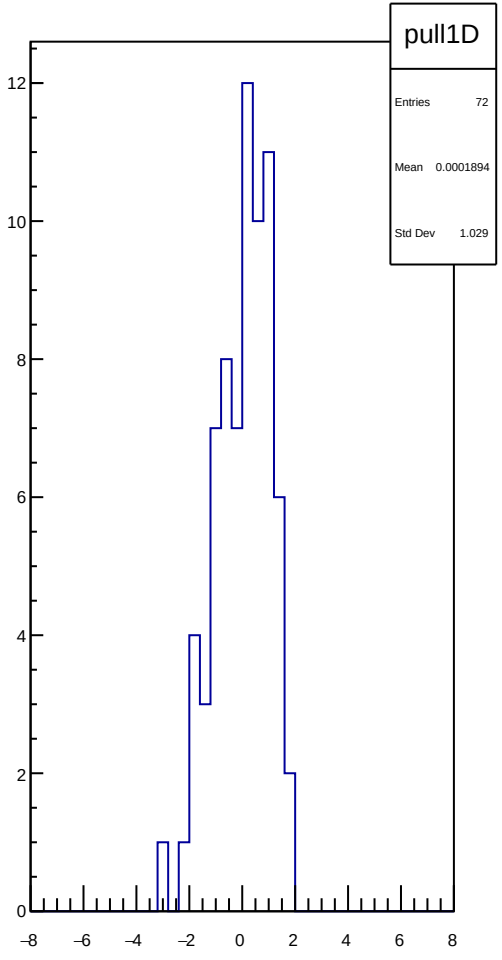

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2752 / 71
p0 15.7 ± 0.01324
19
18
17
16
15
14

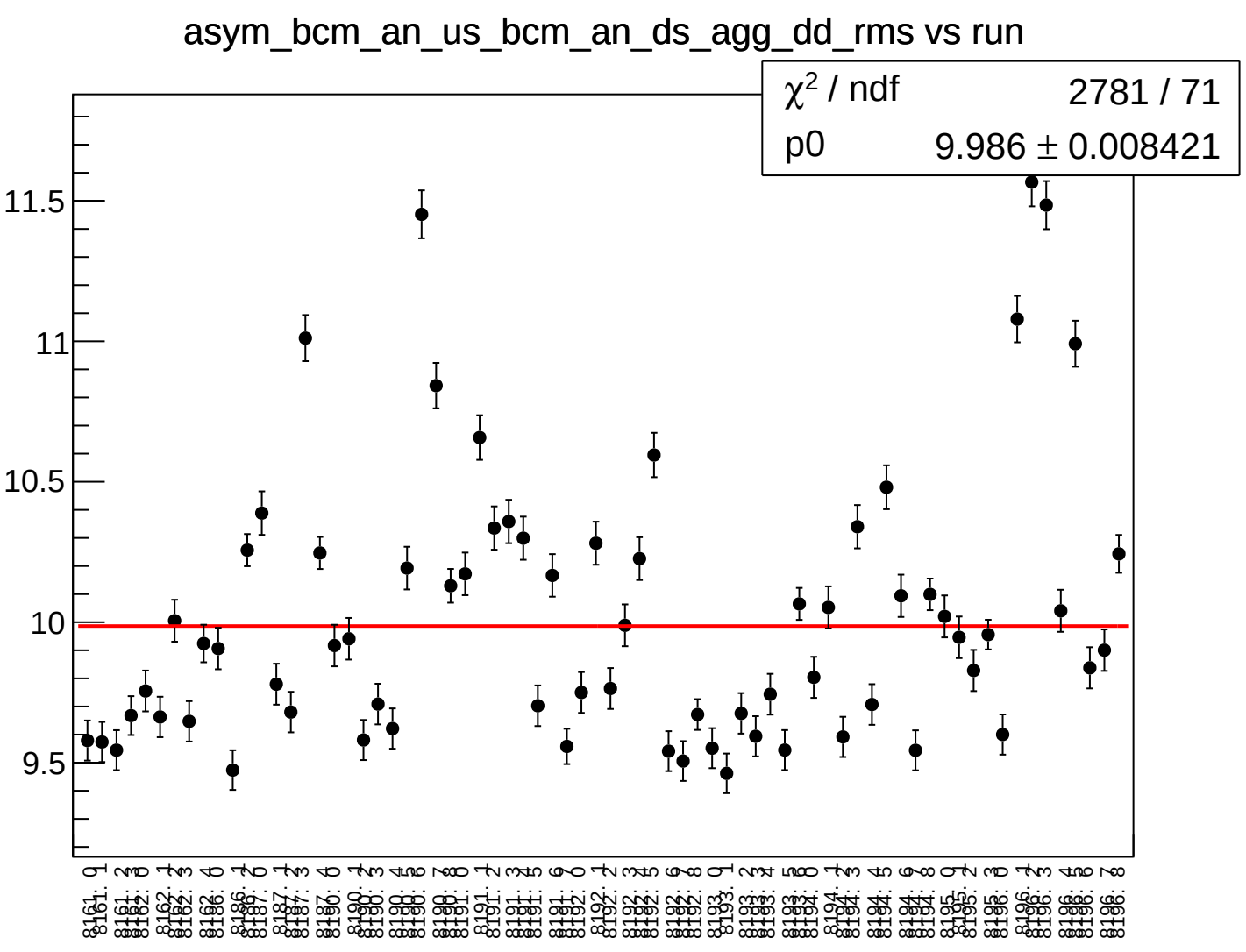

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 79.9 / 71
p0 26.76 ± 25.11
pull
Entries 72
Mean 153.8
Std Dev 122.7

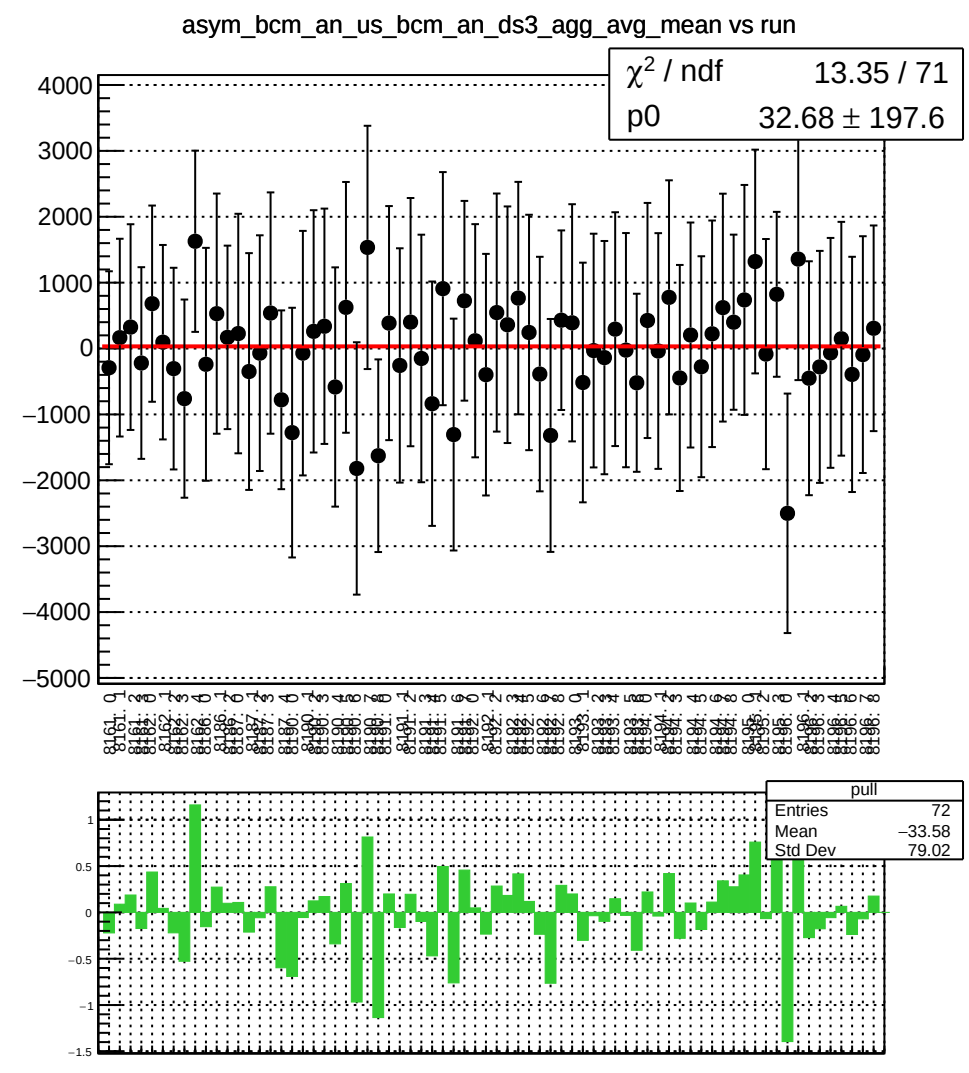

pull1D
Entries 72
Mean 0.02194
Std Dev 1.053

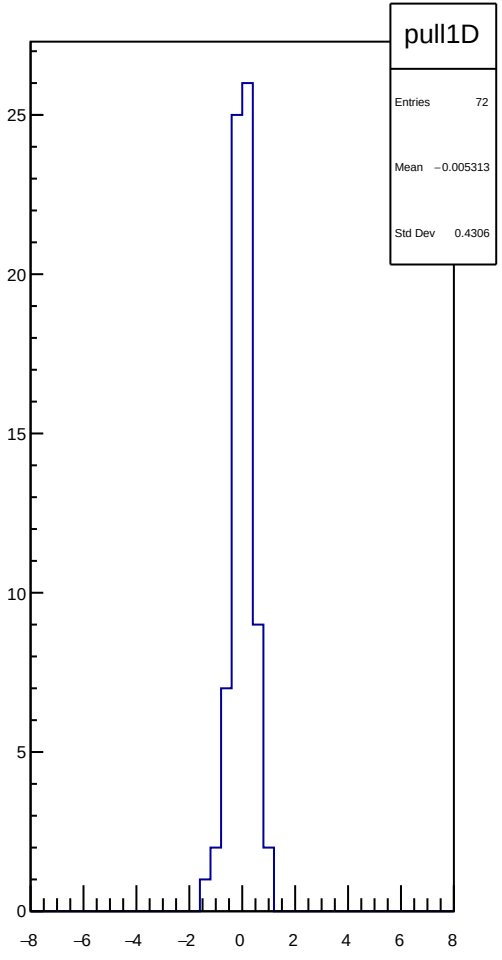

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 936.2 / 71
p0 21.07 ± 0.01775
23.5
23
22.5
22
21.5
21
20.5
20

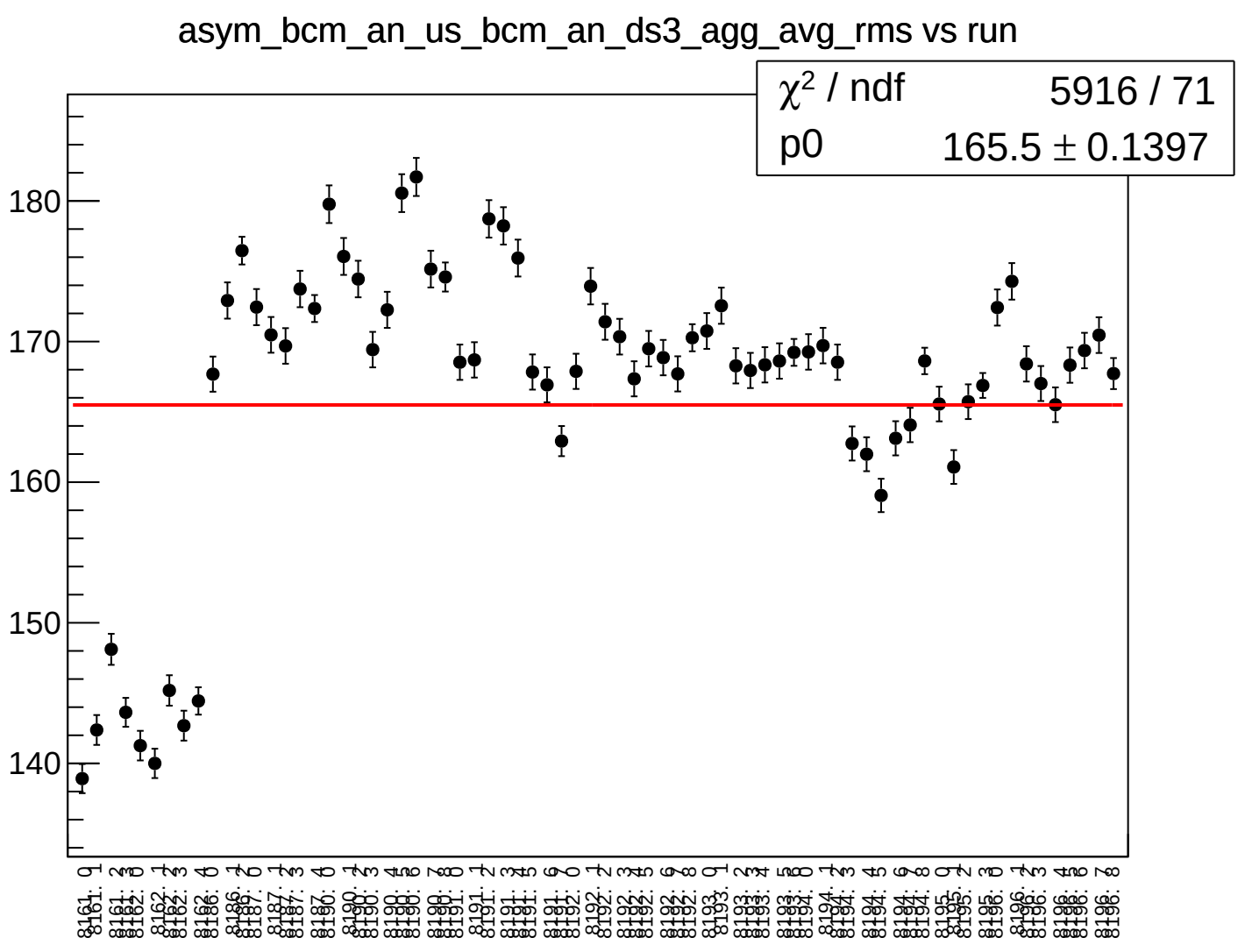

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 76.17 / 71
p0 1.334 ± 11.91
pull
Entries 72
Mean 1306
Std Dev 1165

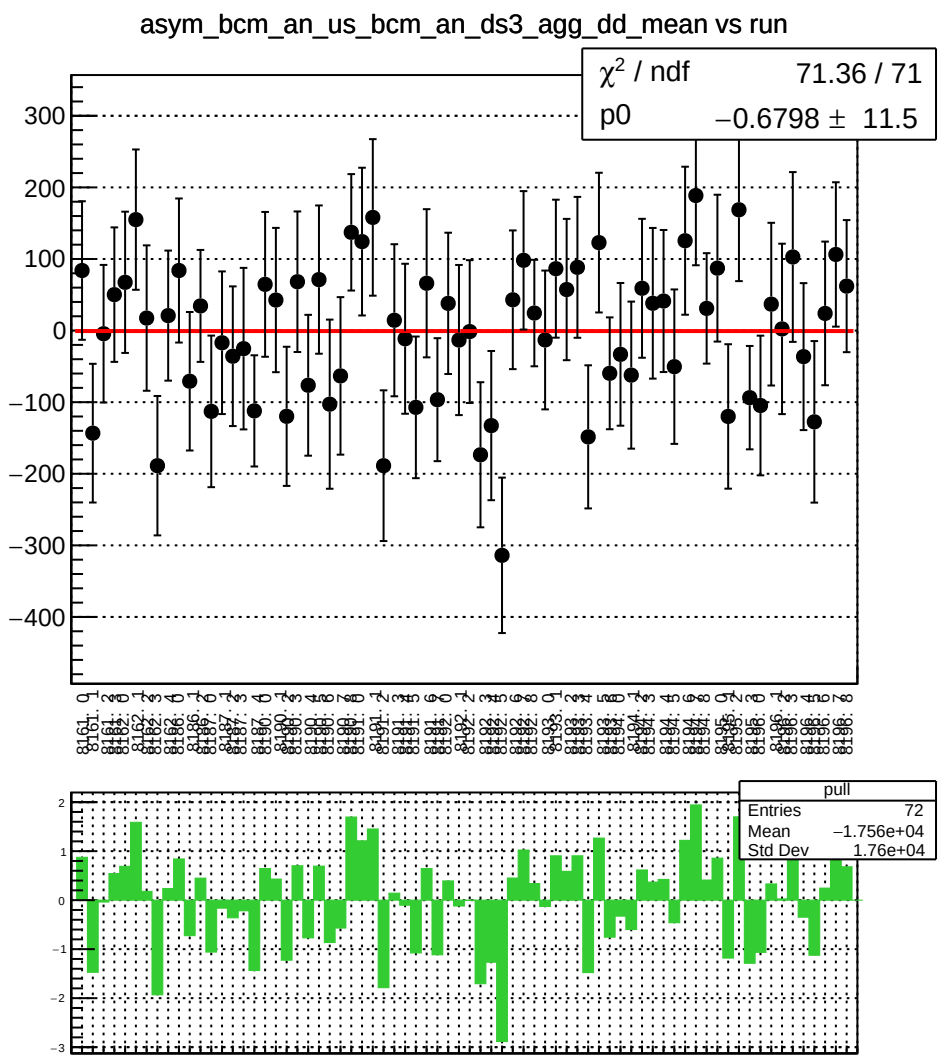

pull1D
Entries 72
Mean 0.0001894
Std Dev 1.029

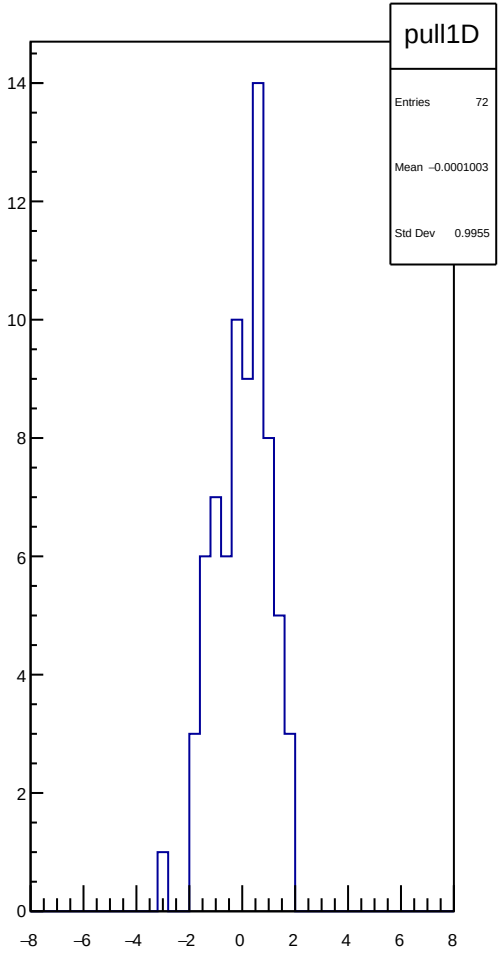

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2781 / 71
p0 9.986 ± 0.008421
11.5
11
10.5
10
9.5

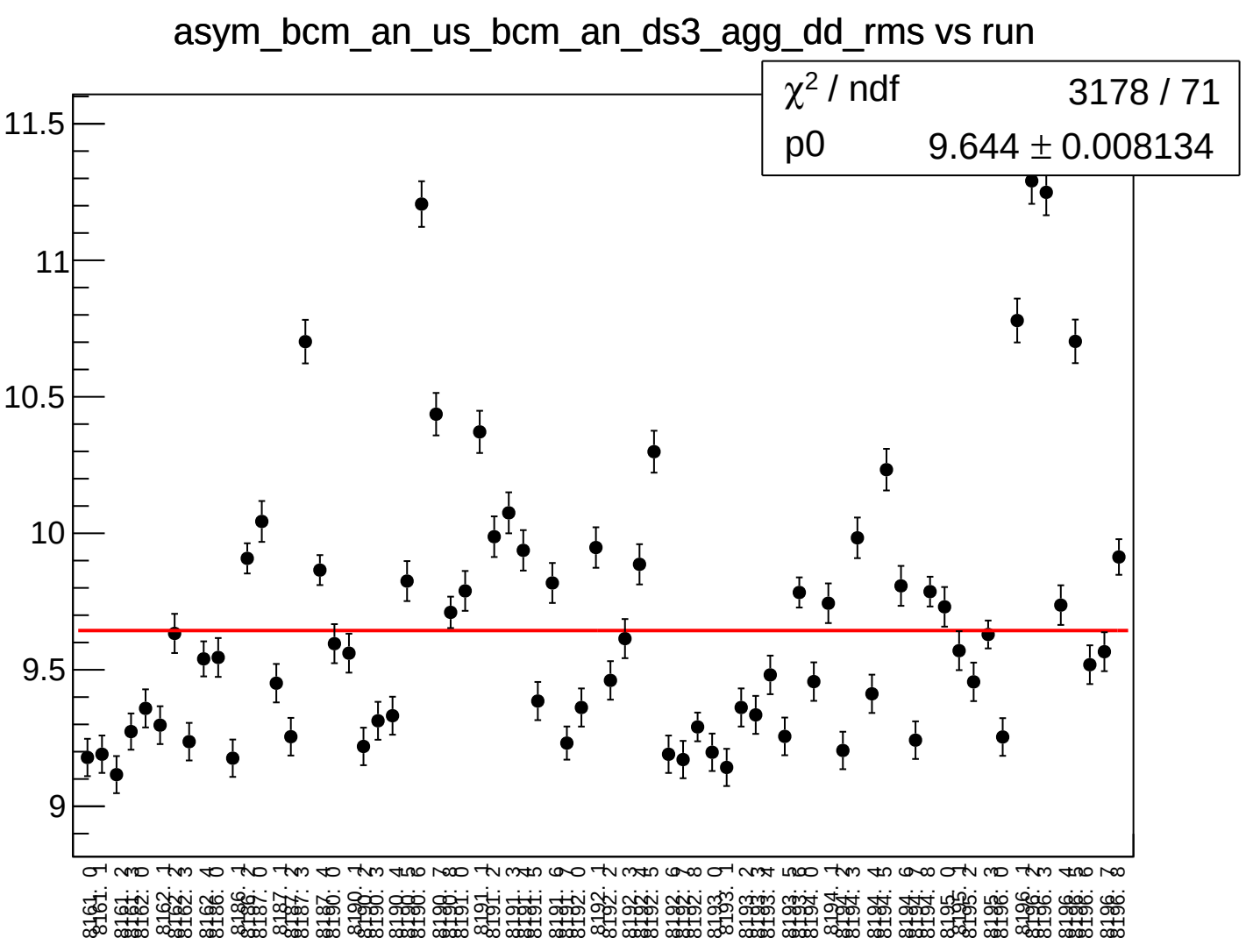

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 13.35 / 71
p0 32.68 ± 197.6
pull
Entries 72
Mean −33.58
Std Dev 79.02

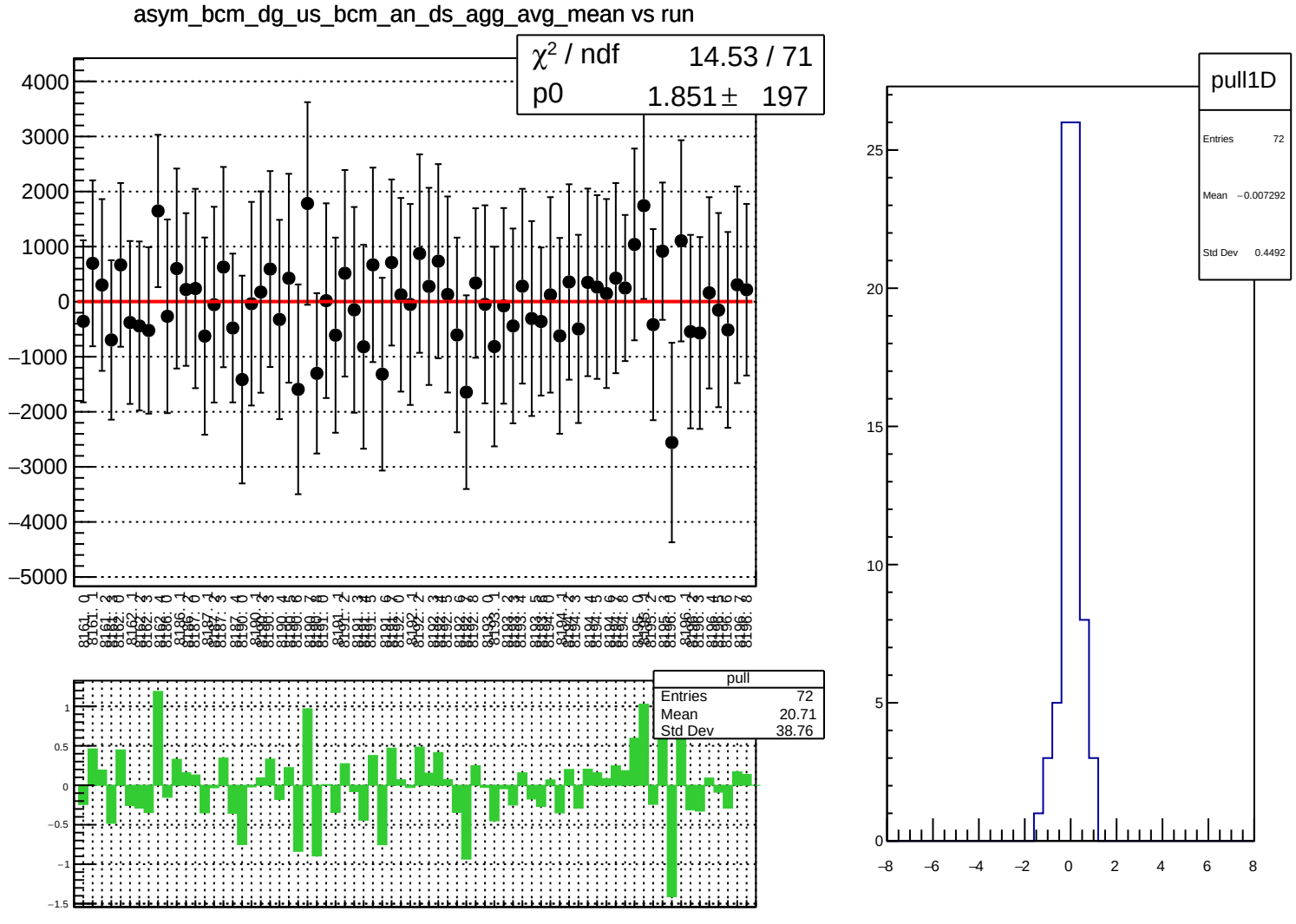

pull1D
Entries 72
Mean −0.005313
Std Dev 0.4306

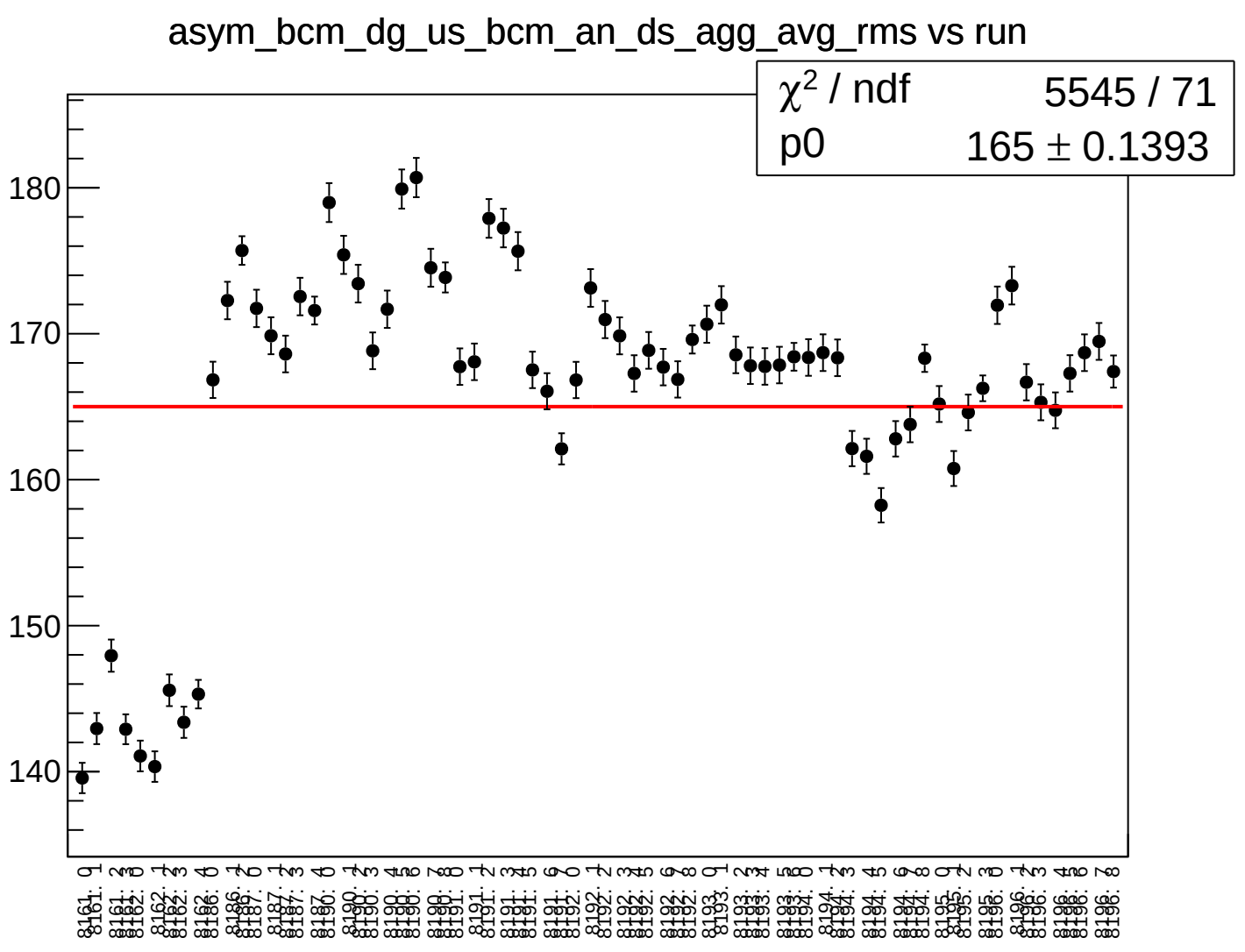

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 5916 / 71
p0 165.5 ± 0.1397
180
170
160
150
140

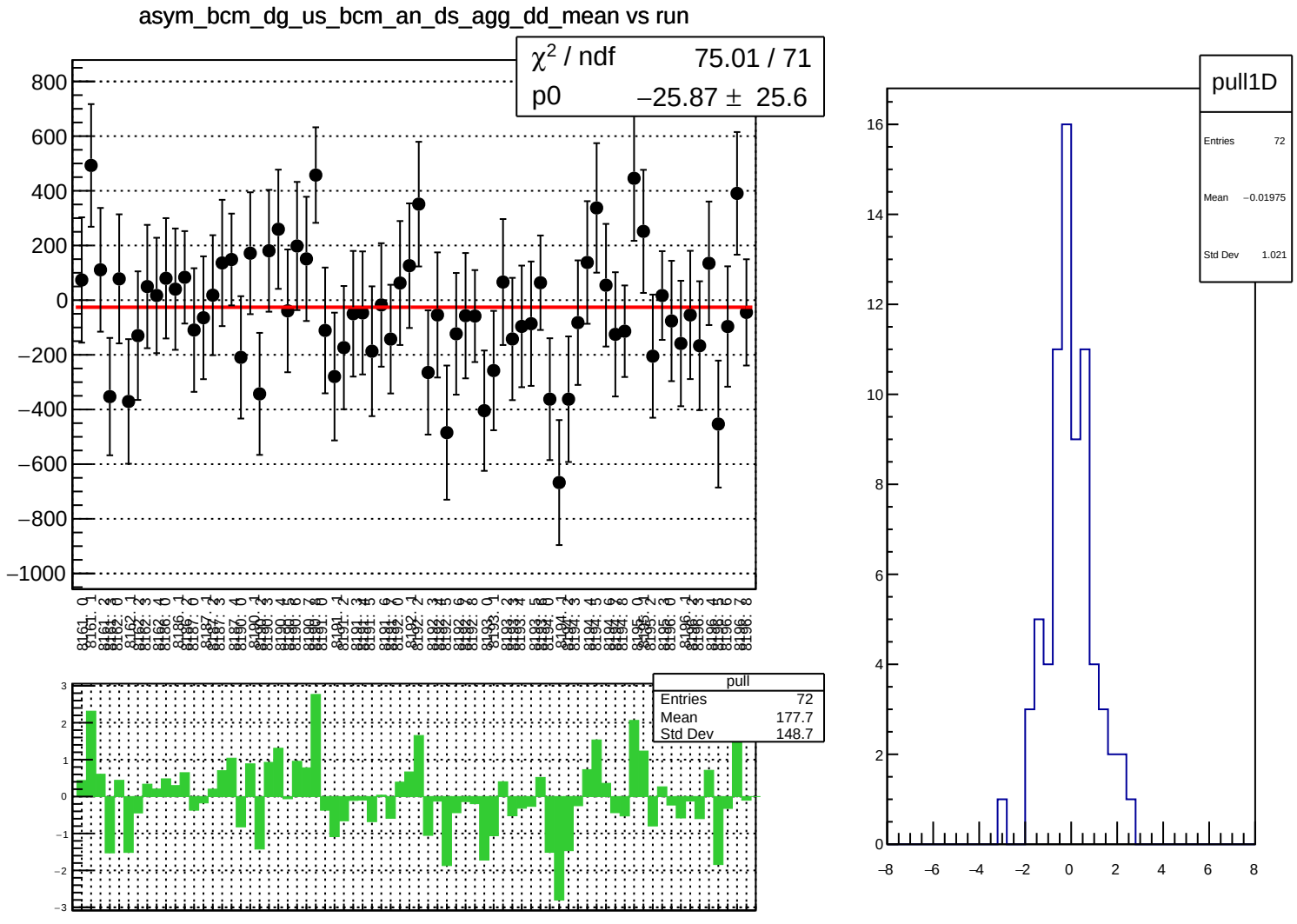

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 71.36 / 71
p0 −0.6798 ± 11.5
pull
Entries 72
Mean −1.756e+04
Std Dev 1.76e+04

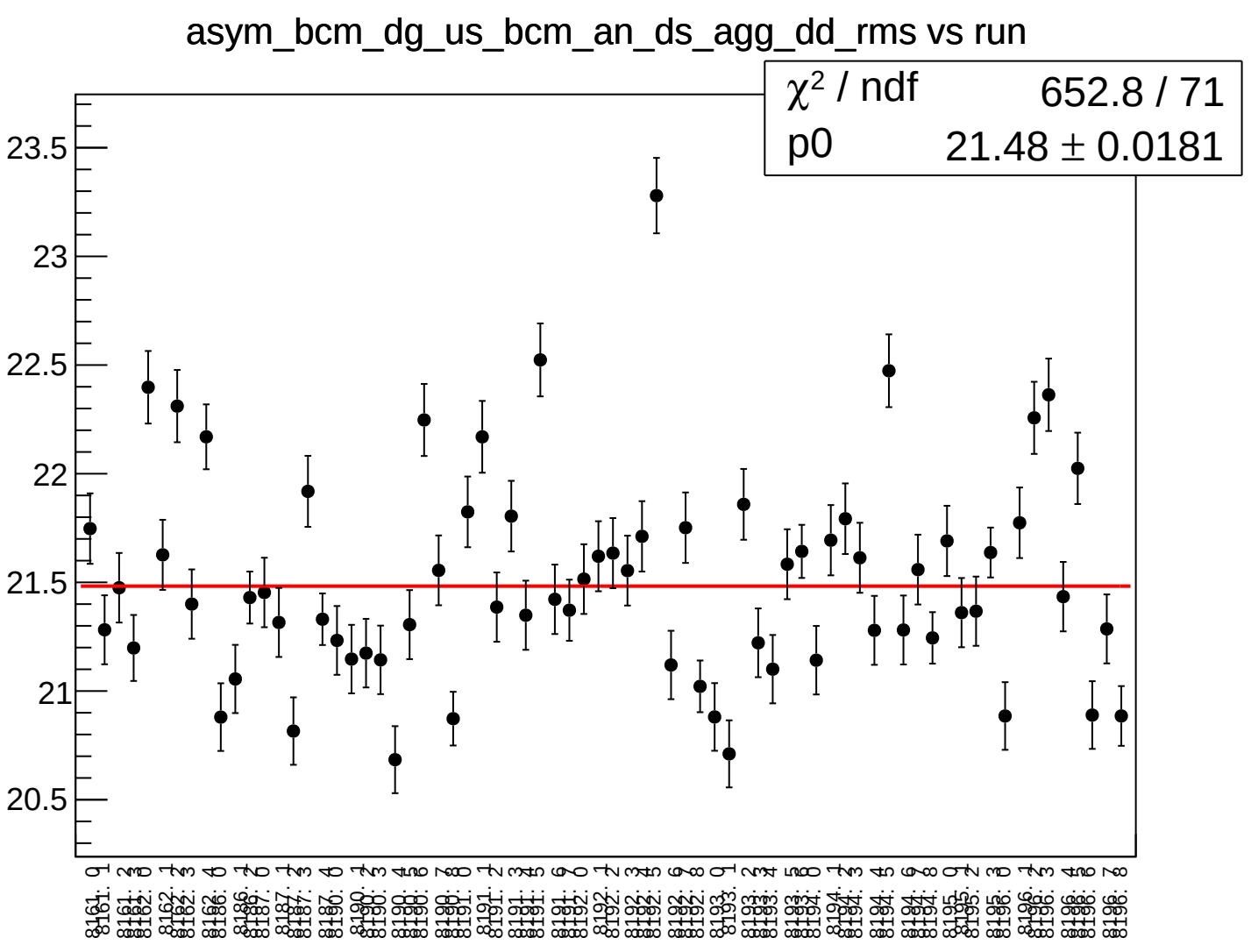

pull1D
Entries 72
Mean −0.0001003
Std Dev 0.9955

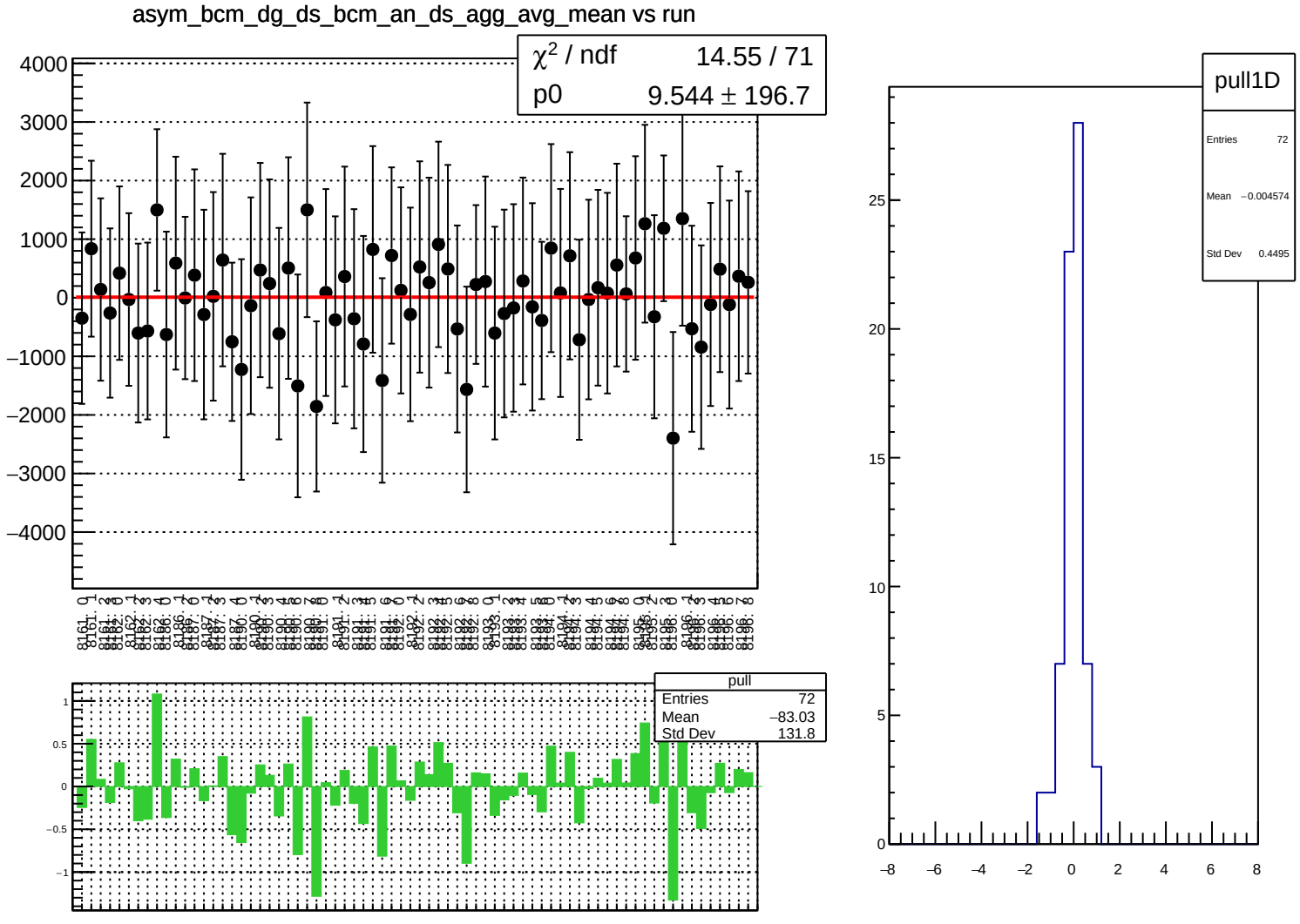

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 3178 / 71
p0 9.644 ± 0.008134
11.5
11
10.5
10
9.5
9

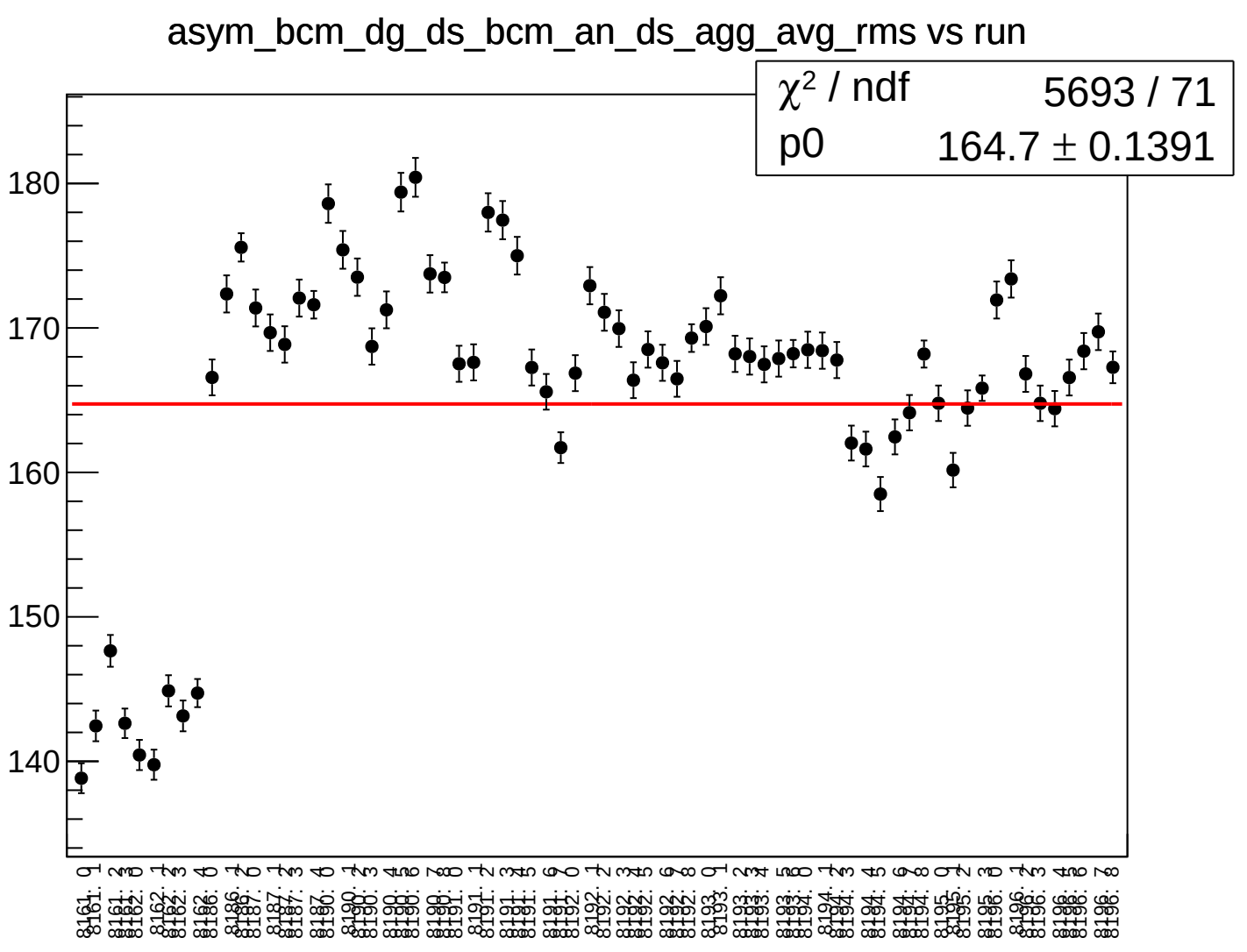

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 14.53 / 71
p0 1.851 ± 197
pull
Entries 72
Mean 20.71
Std Dev 38.76
pull1D
Entries 72
Mean −0.007292
Std Dev 0.4492

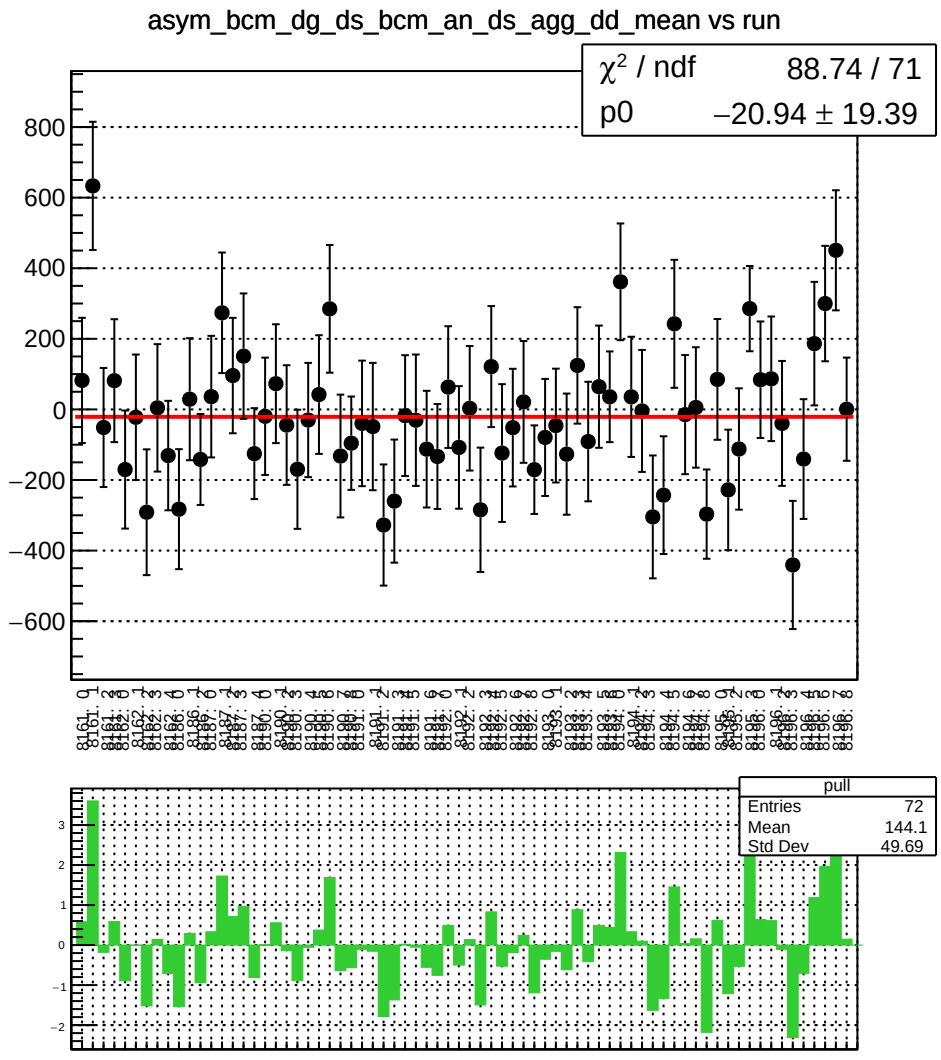

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 5545 / 71
p0 165 ± 0.1393
180
170
160
150
140

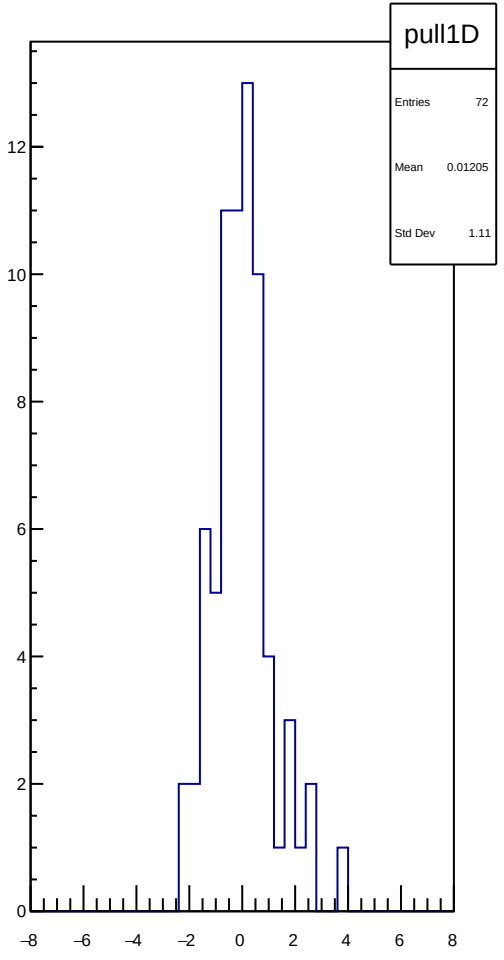

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 75.01 / 71
p0 −25.87 ± 25.6
pull
Entries 72
Mean 177.7
Std Dev 148.7
pull1D
Entries 72
Mean −0.01975
Std Dev 1.021

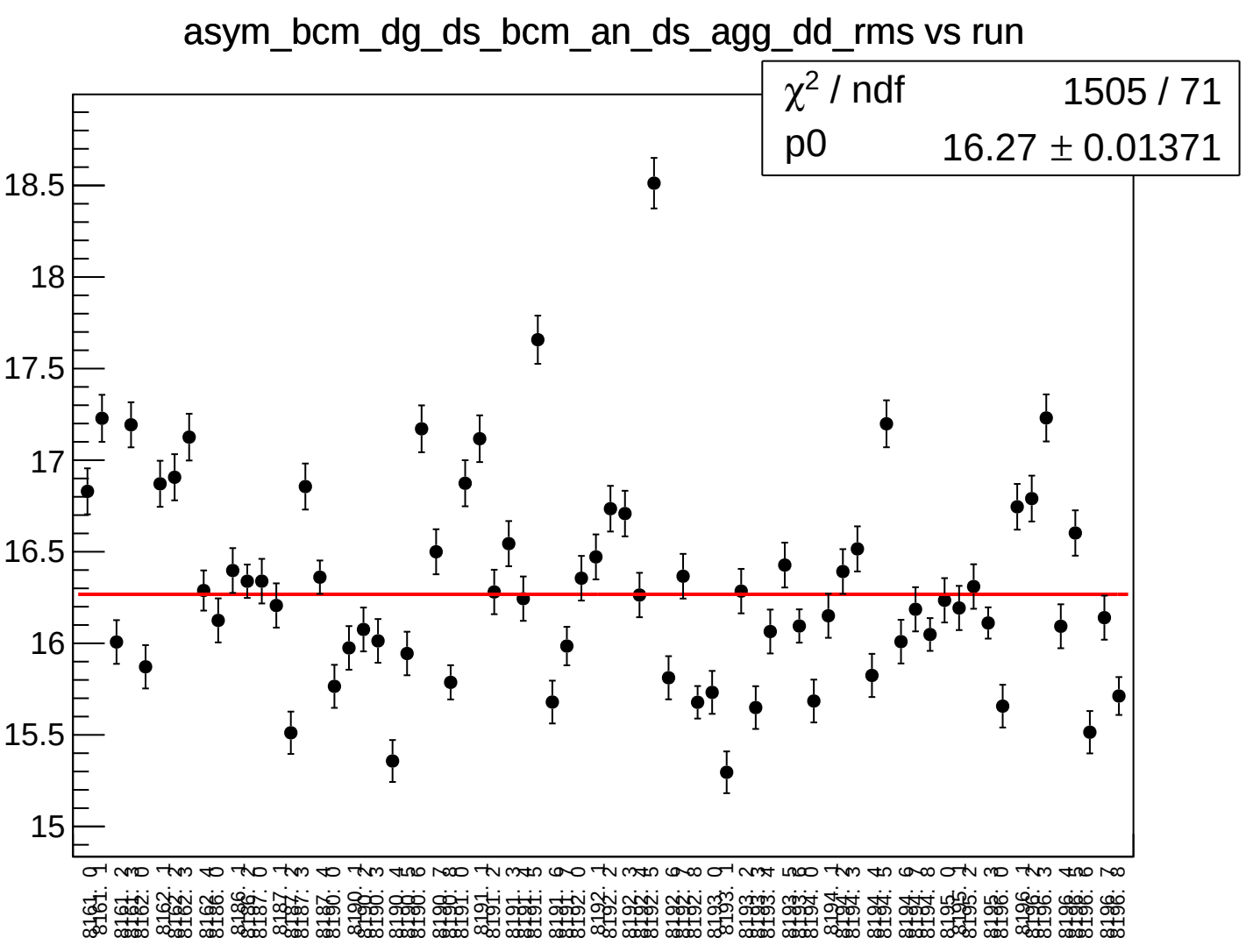

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 652.8 / 71
p0 21.48 ± 0.0181
23.5
23
22.5
22
21.5
21
20.5

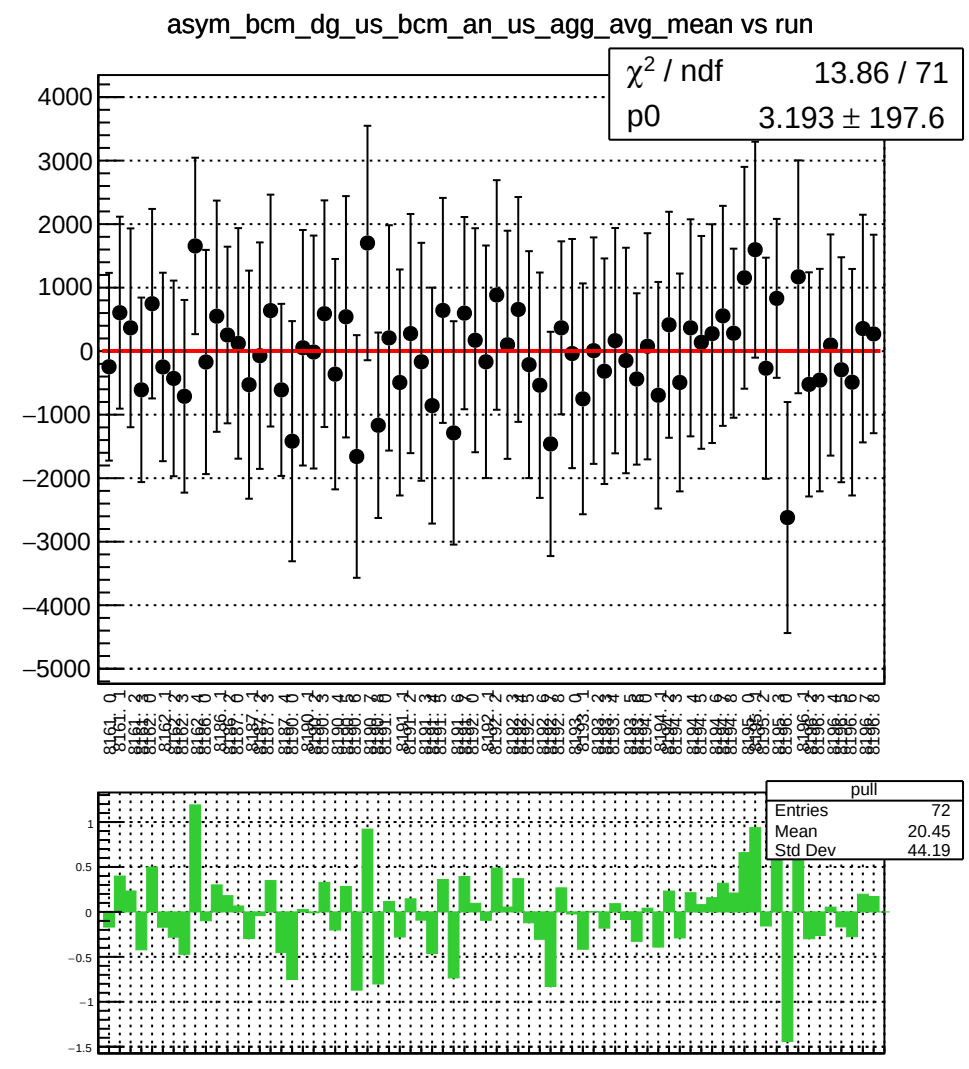

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 14.55 / 71
p0 9.544 ± 196.7
pull
Entries 72
Mean −83.03
Std Dev 131.8
pull1D
Entries 72
Mean −0.004574
Std Dev 0.4495

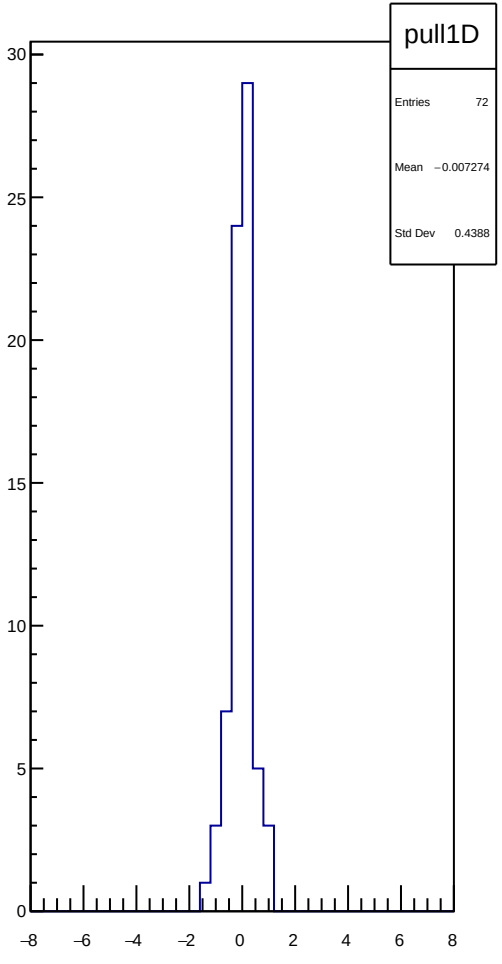

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 5693 / 71
p0 164.7 ± 0.1391
180
170
160
150
140

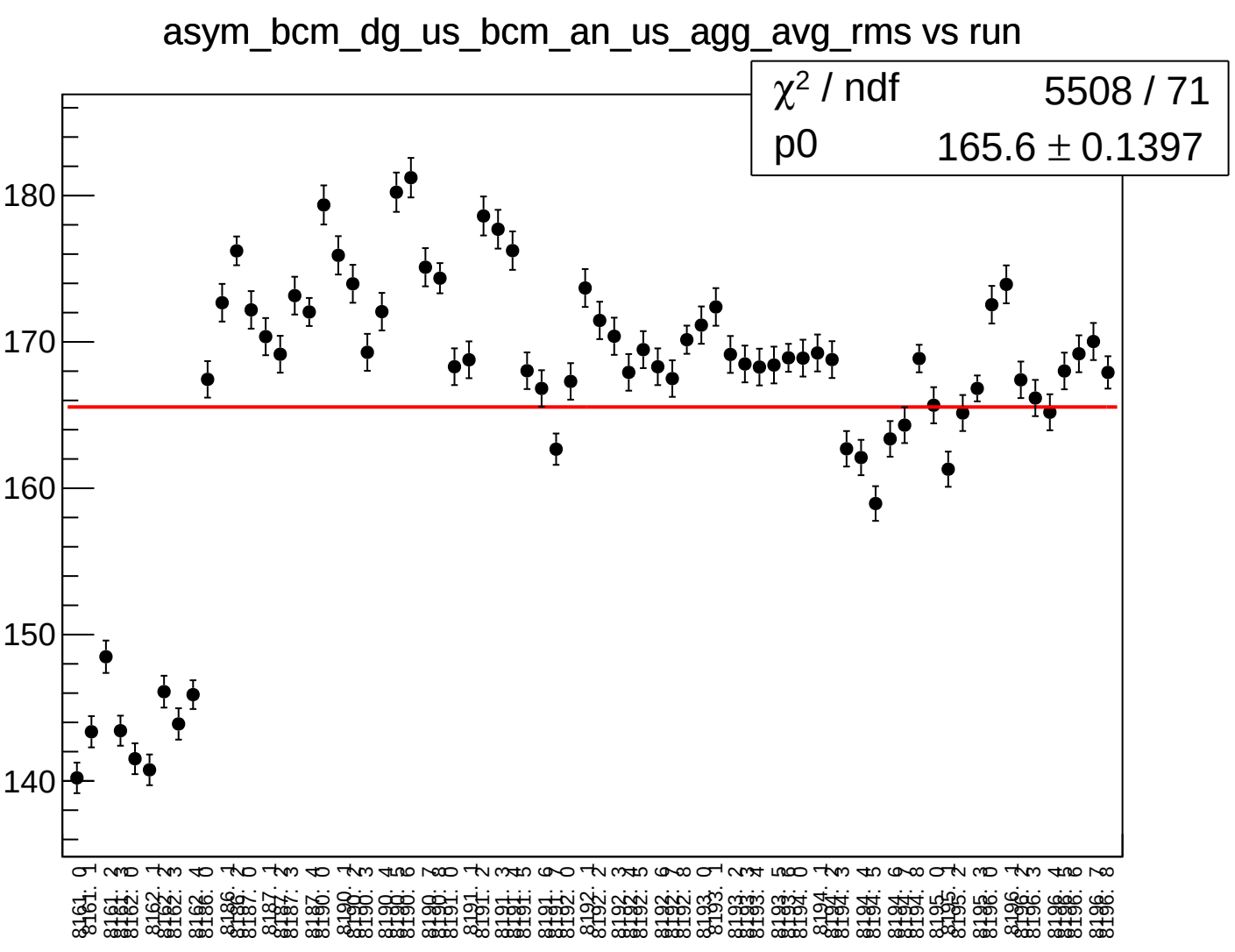

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 88.74 / 71
p0 −20.94 ± 19.39
pull
Entries 72
Mean 144.1
Std Dev 49.69

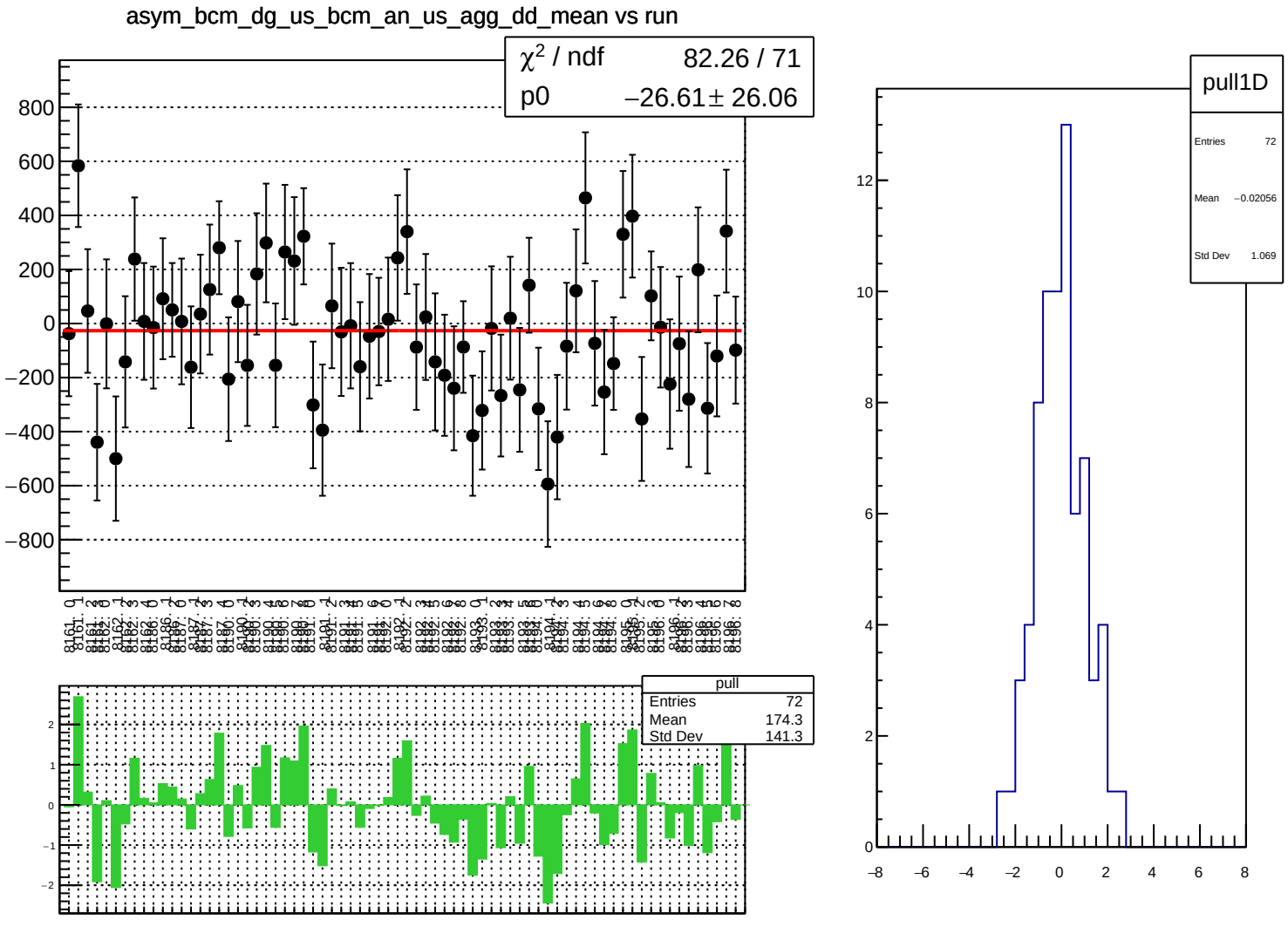

pull1D
Entries 72
Mean 0.01205
Std Dev 1.11

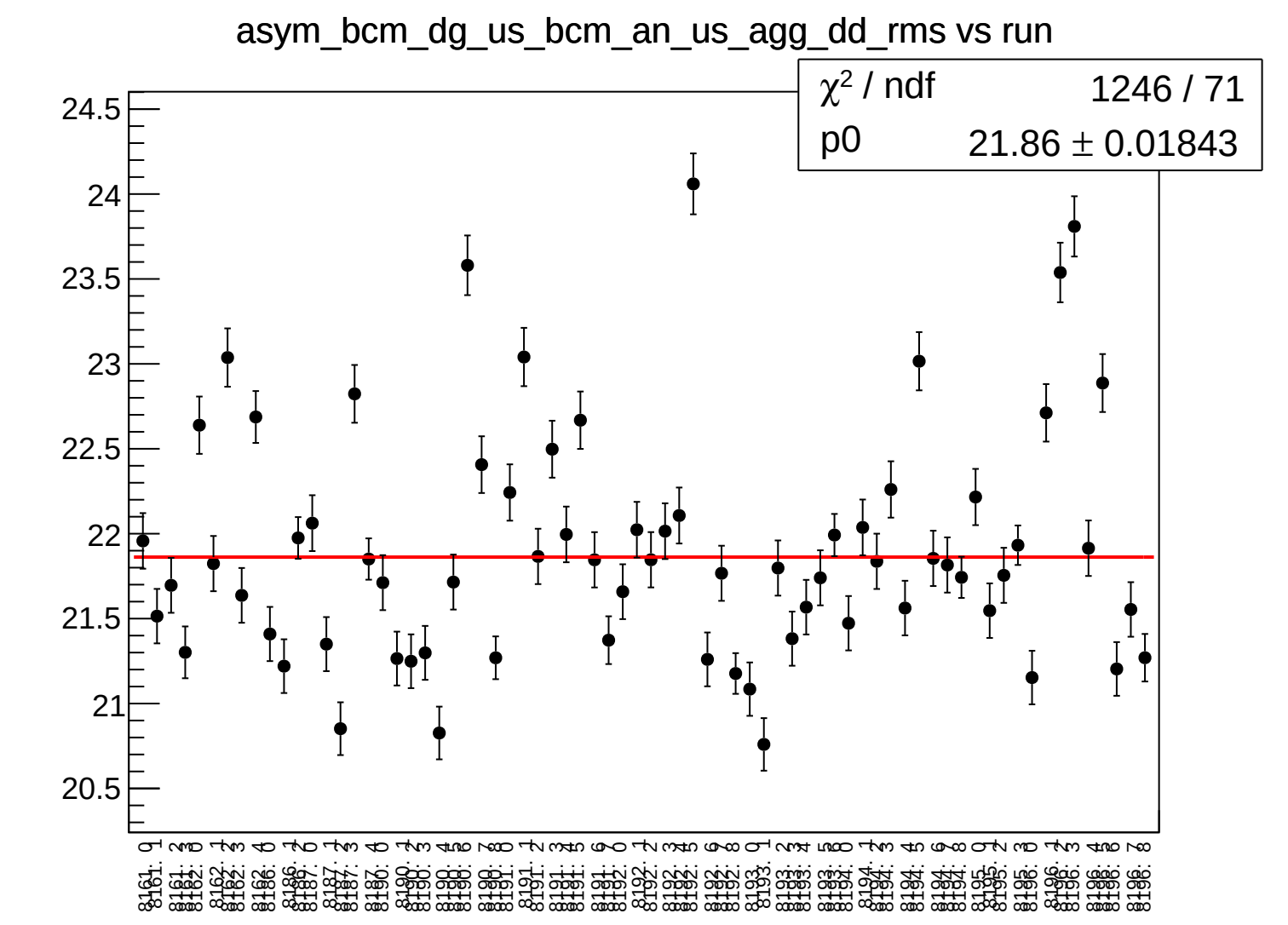

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1505 / 71
p0 16.27 ± 0.01371
18.5
18
17.5
17
16.5
16
15.5
15

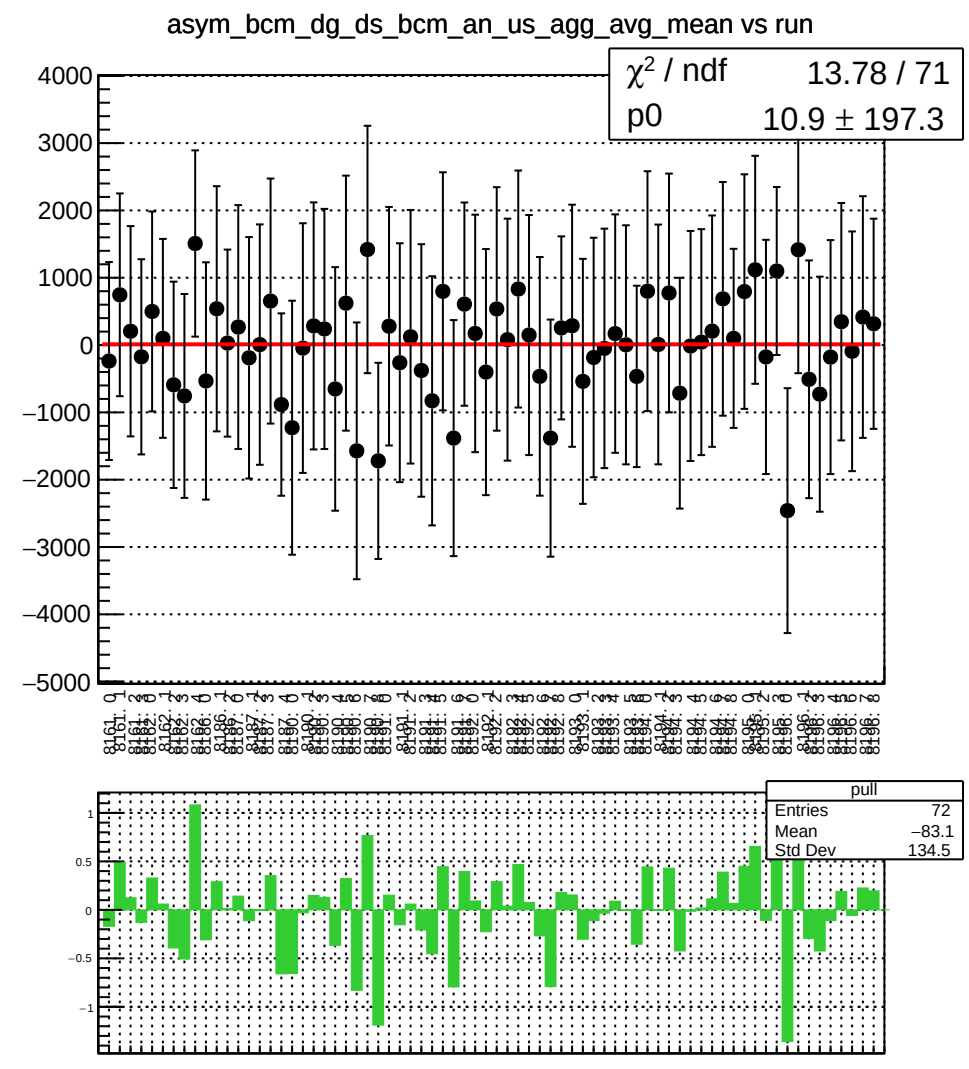

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 13.86 / 71
p0 3.193 ± 197.6
pull
Entries 72
Mean 20.45
Std Dev 44.19

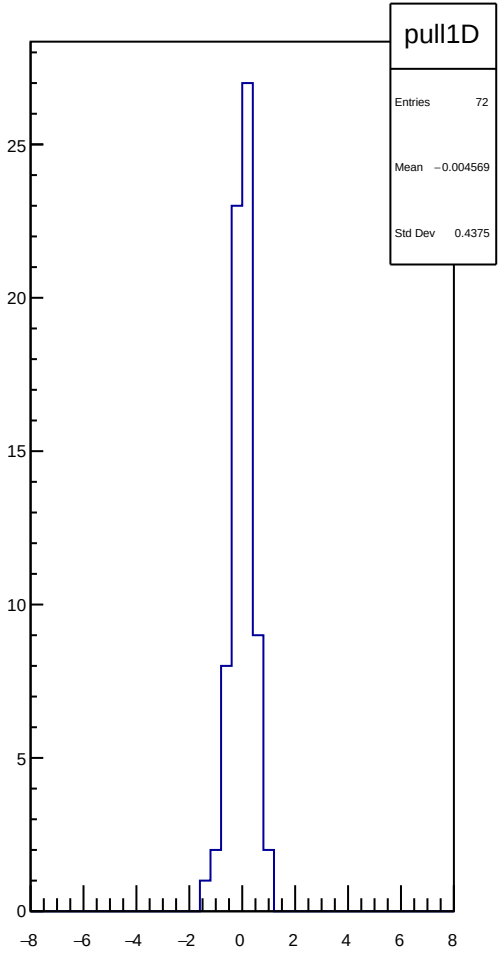

pull1D
Entries 72
Mean −0.007274
Std Dev 0.4388

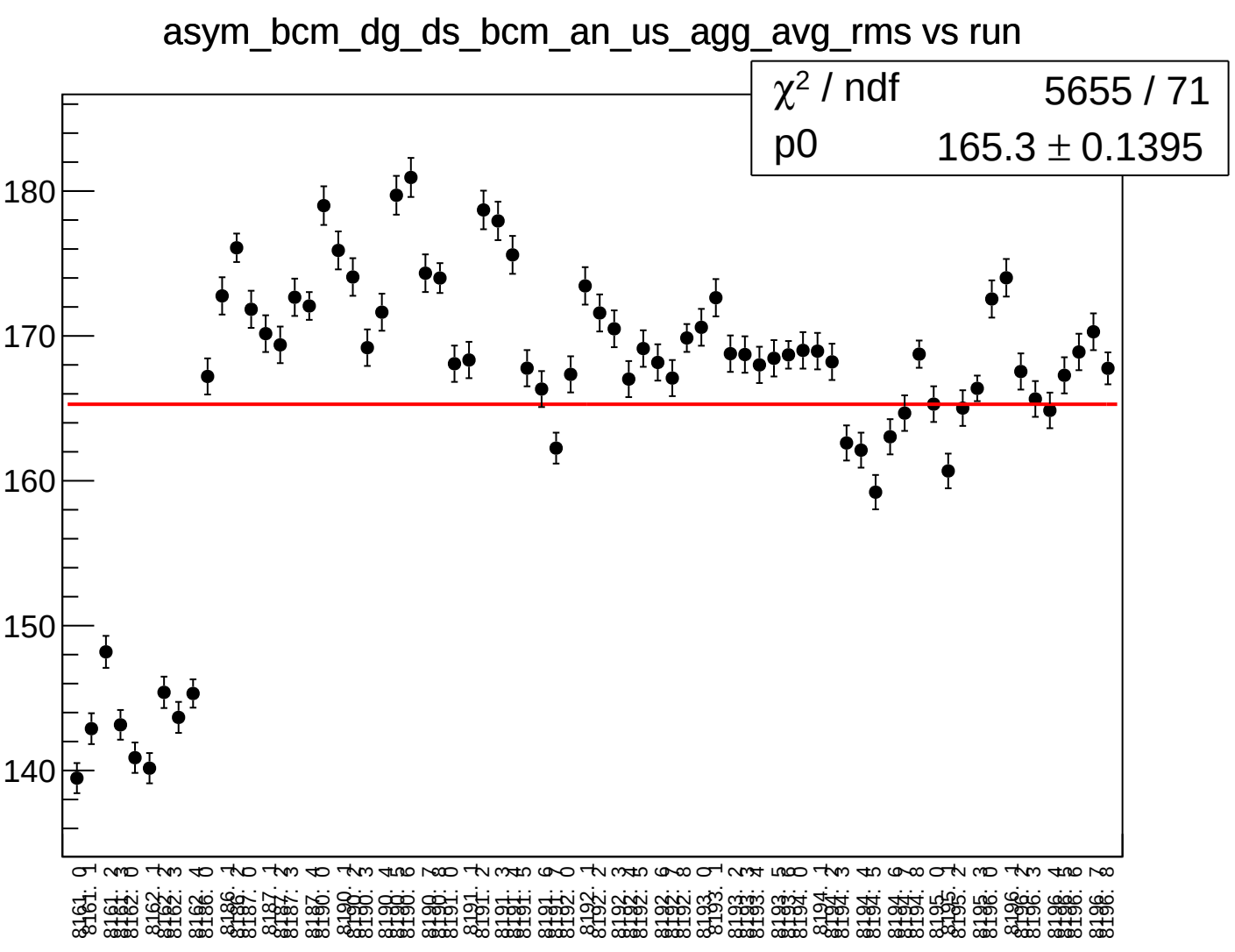

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 5508 / 71
p0 165.6 ± 0.1397
180
170
160
150
140

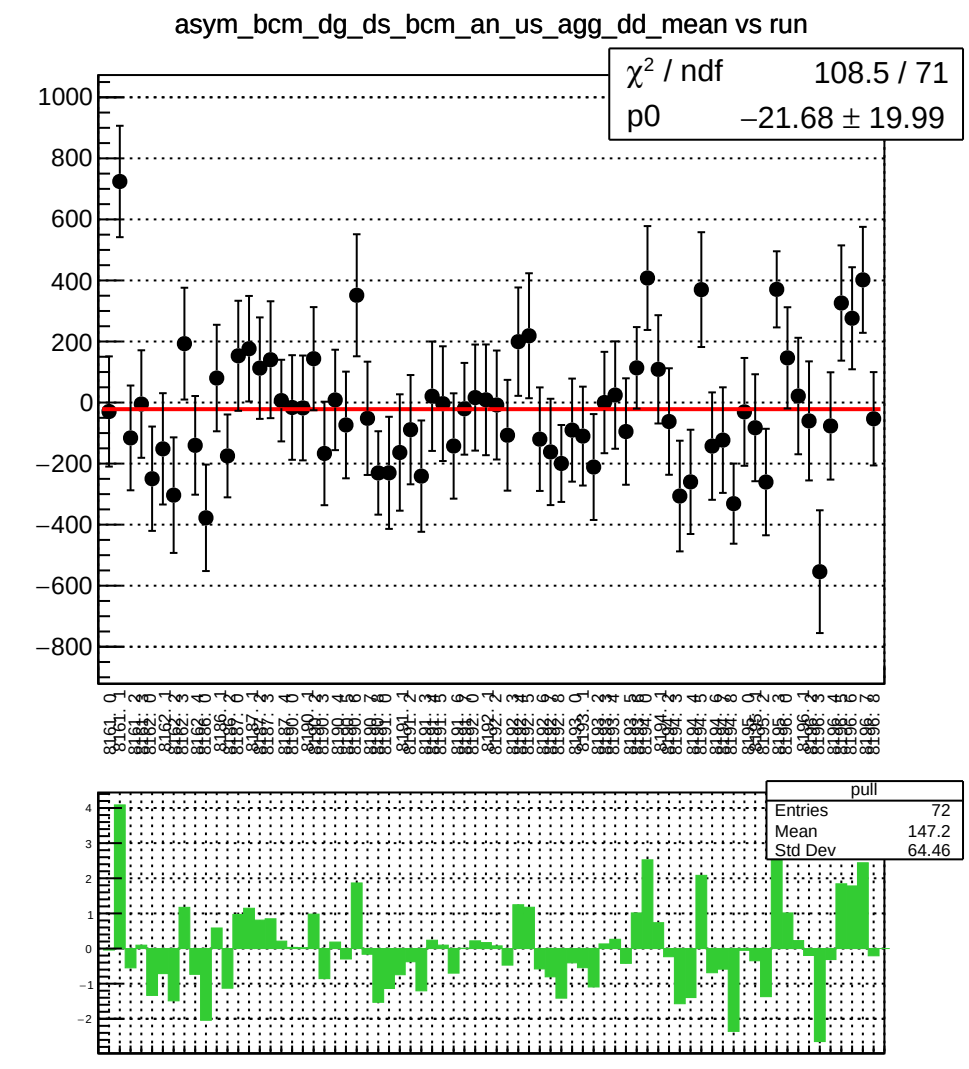

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 82.26 / 71
p0 −26.61 ± 26.06
pull
Entries 72
Mean 174.3
Std Dev 141.3
pull1D
Entries 72
Mean −0.02056
Std Dev 1.069

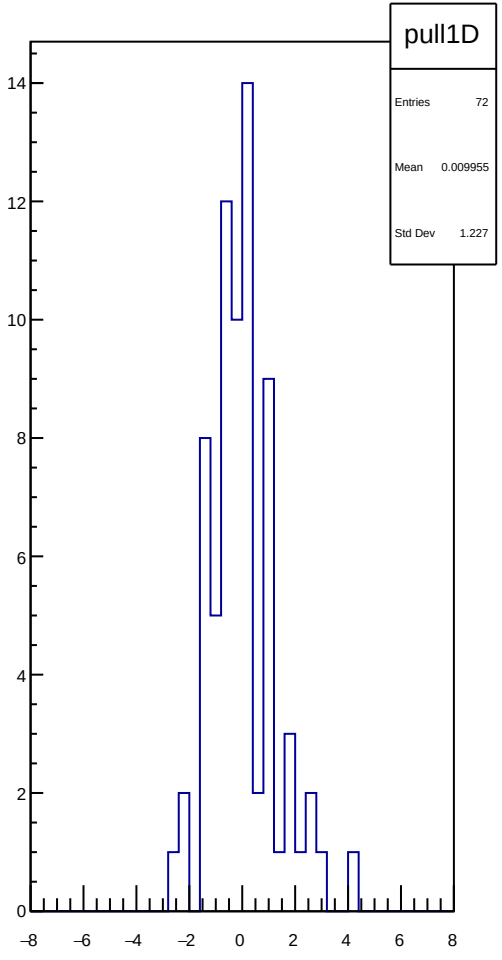

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1246 / 71
p0 21.86 ± 0.01843
24.5
24
23.5
23
22.5
22
21.5
21
20.5

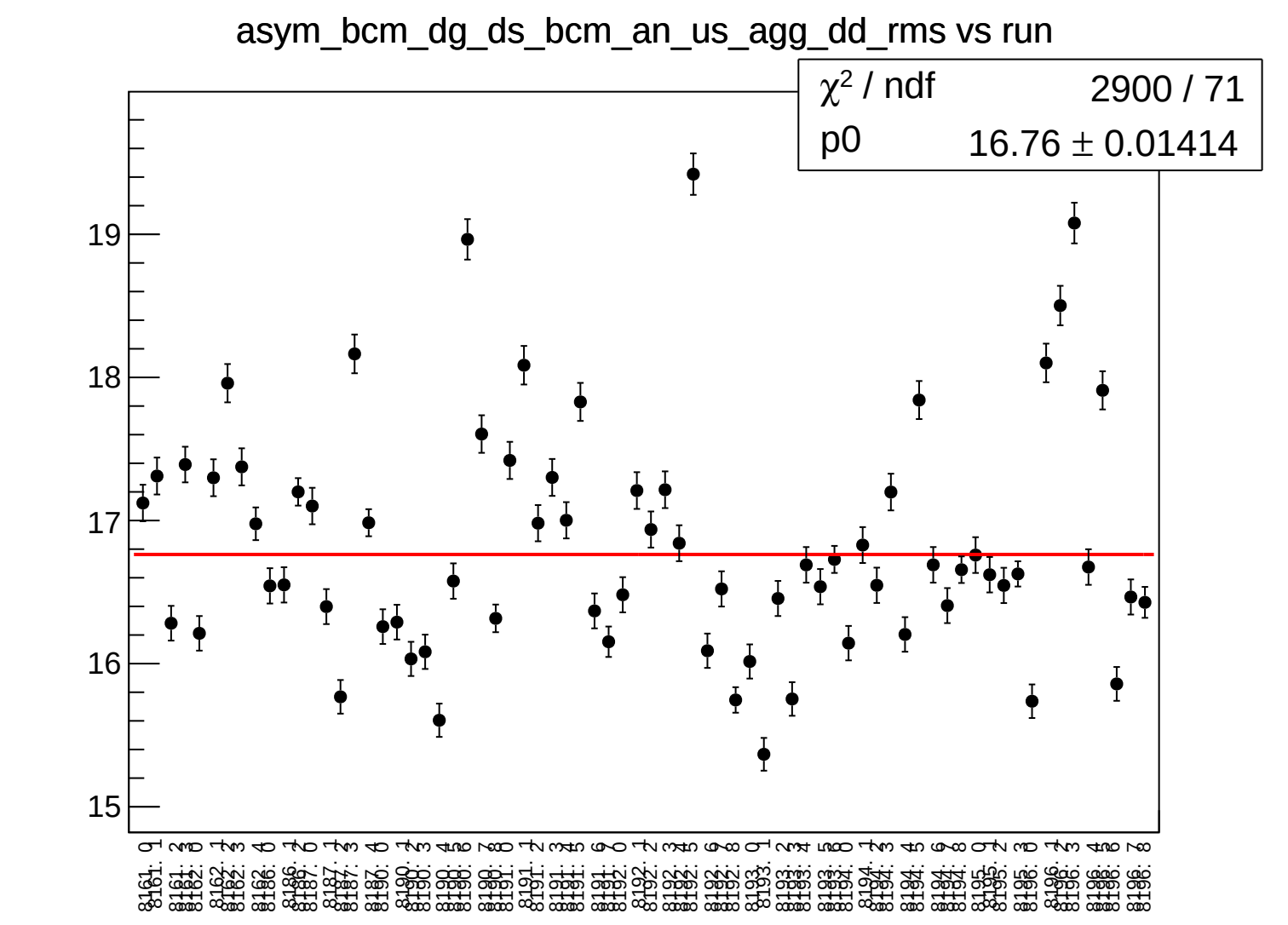

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 13.78 / 71
p0 10.9 ± 197.3
pull
Entries 72
Mean −83.1
Std Dev 134.5

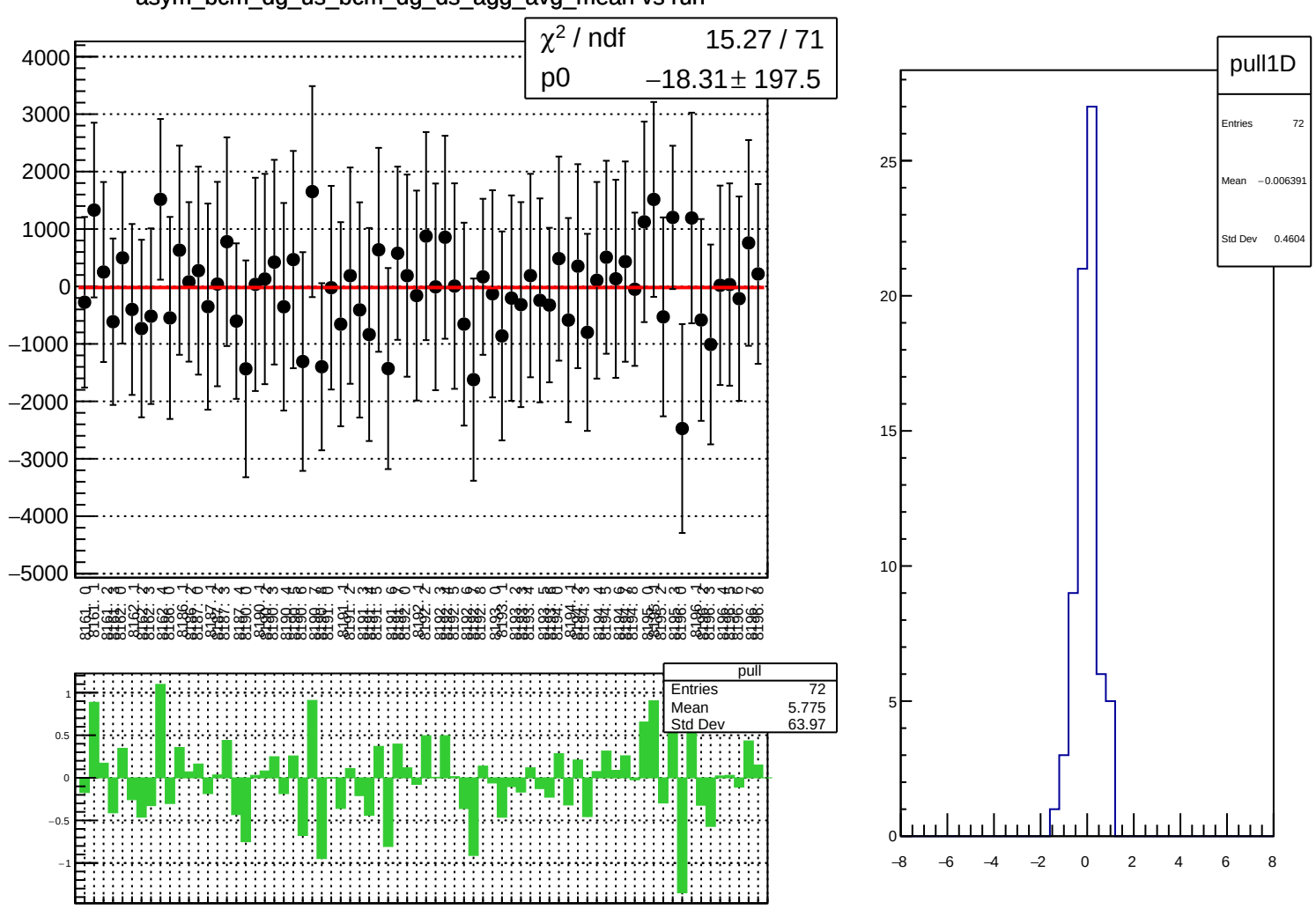

pull1D
Entries 72
Mean −0.004569
Std Dev 0.4375

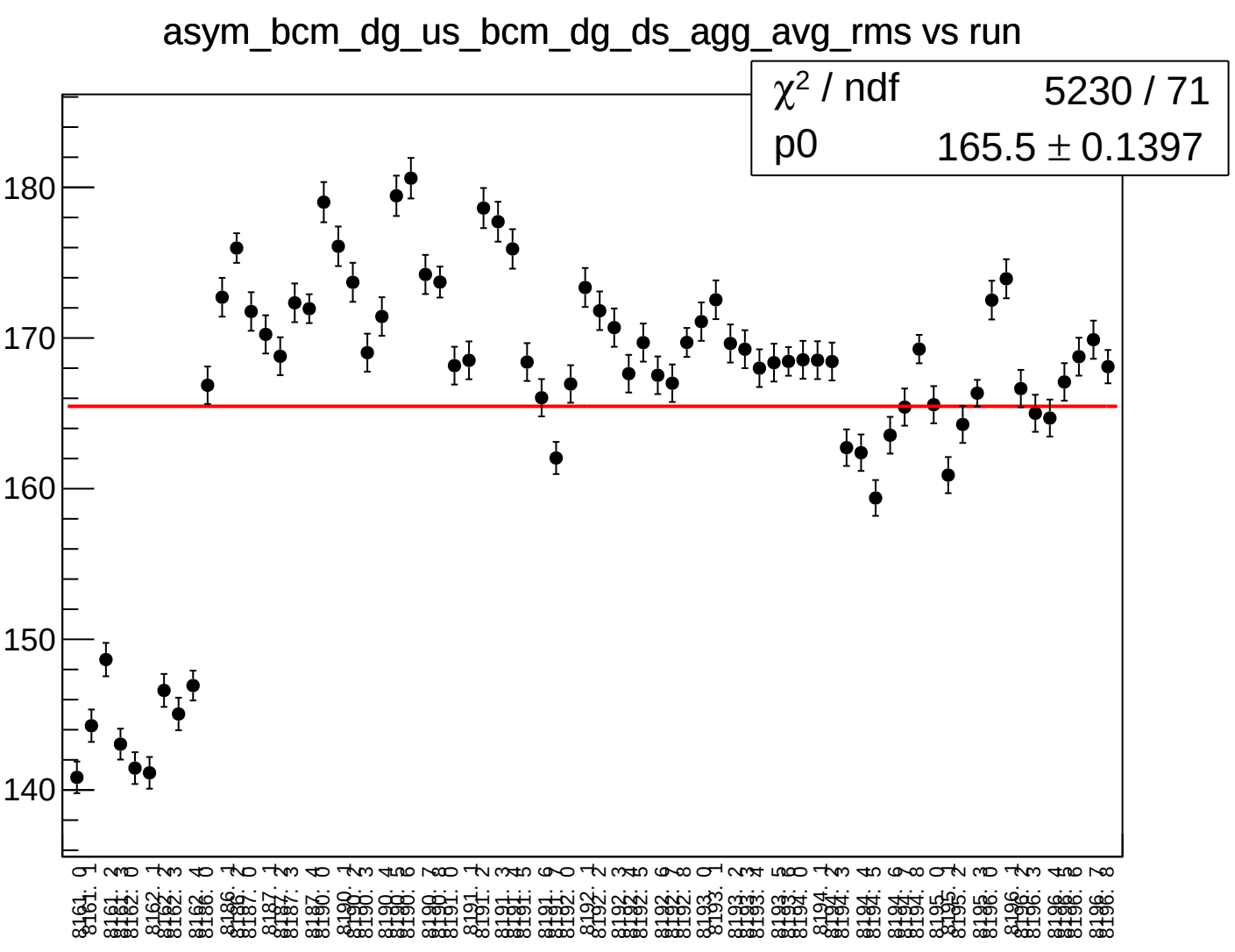

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 5655 / 71
p0 165.3 ± 0.1395
180
170
160
150
140

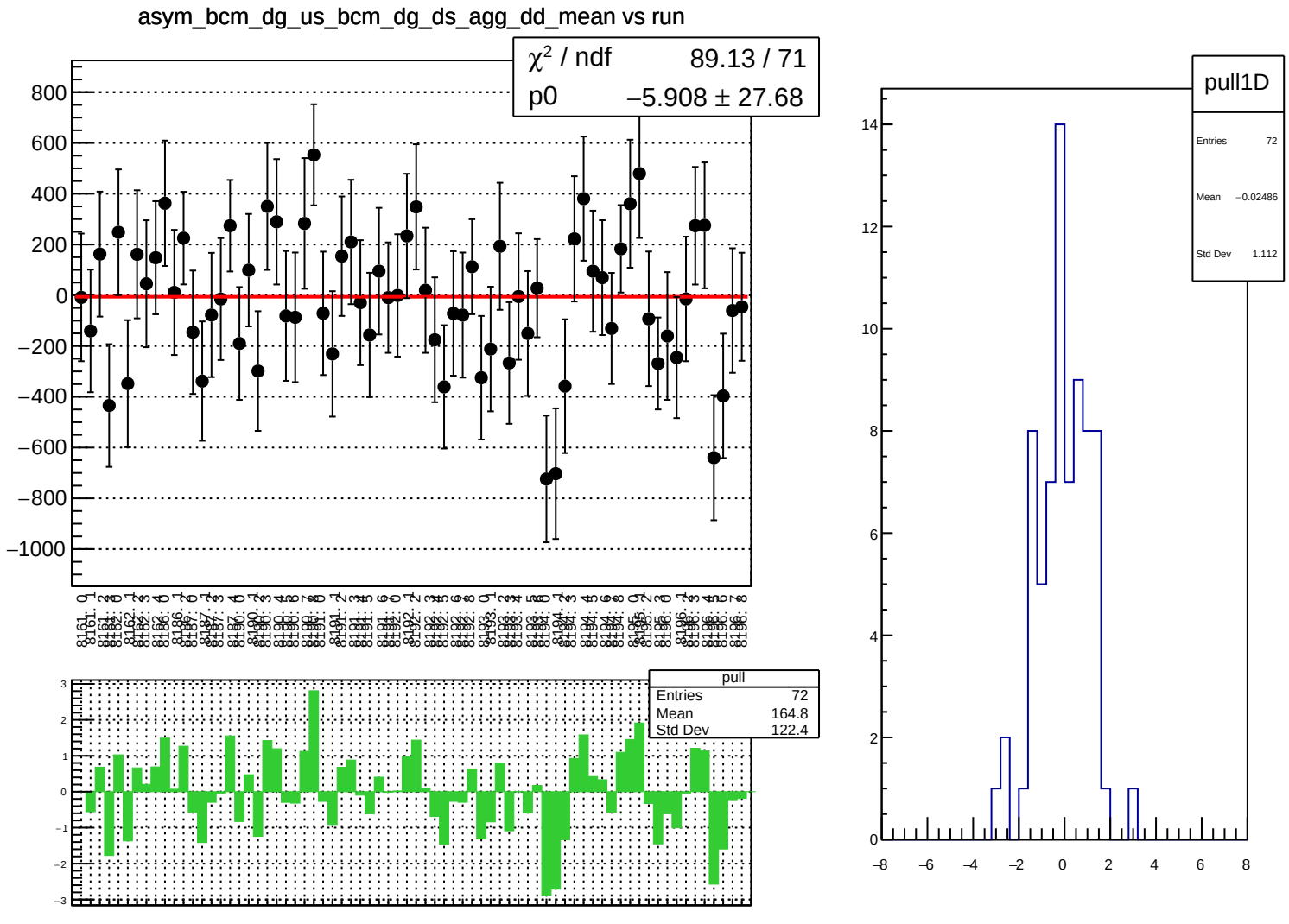

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 108.5 / 71
p0 −21.68 ± 19.99
pull
Entries 72
Mean 147.2
Std Dev 64.46

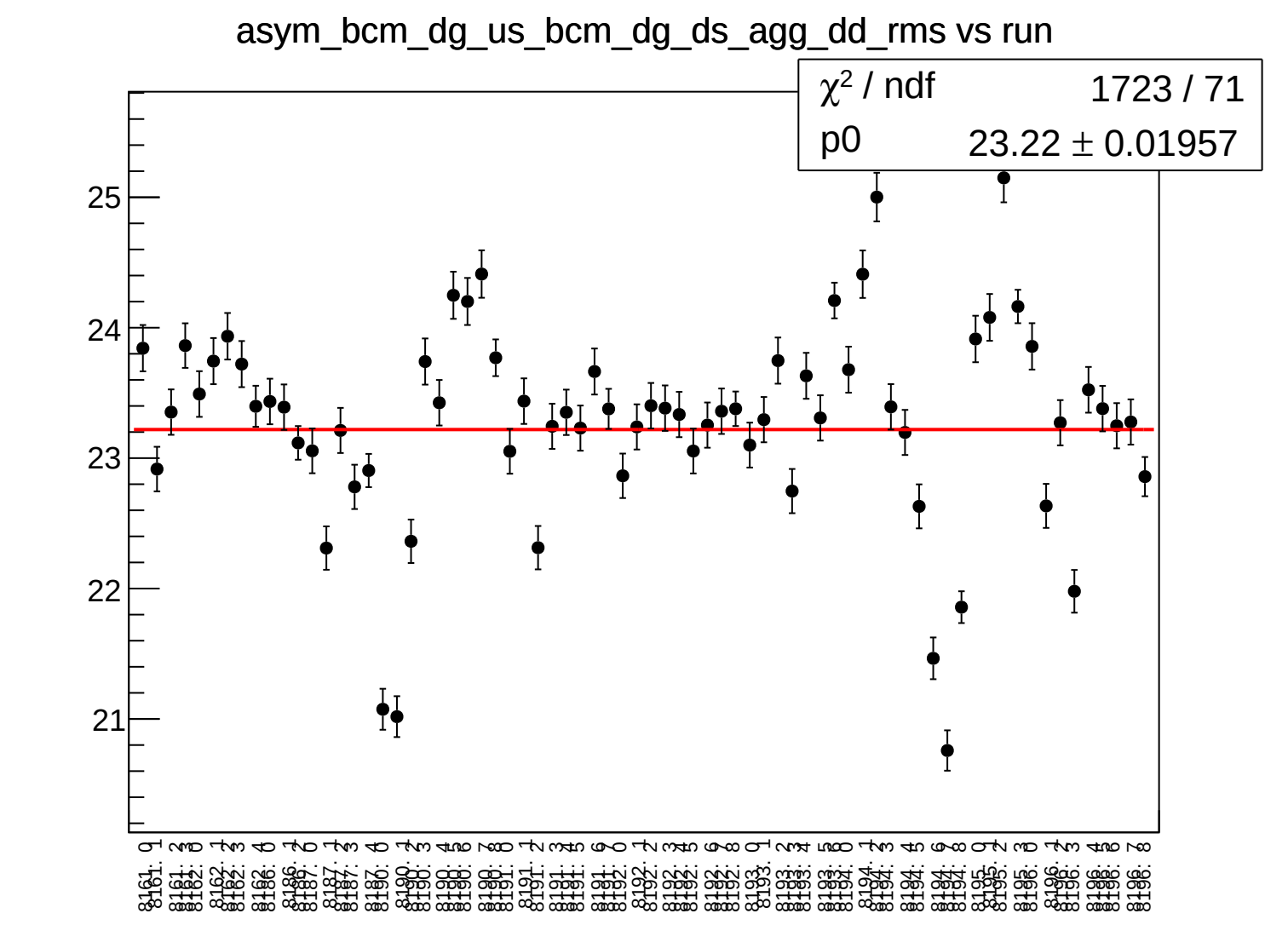

pull1D
Entries 72
Mean 0.009955
Std Dev 1.227

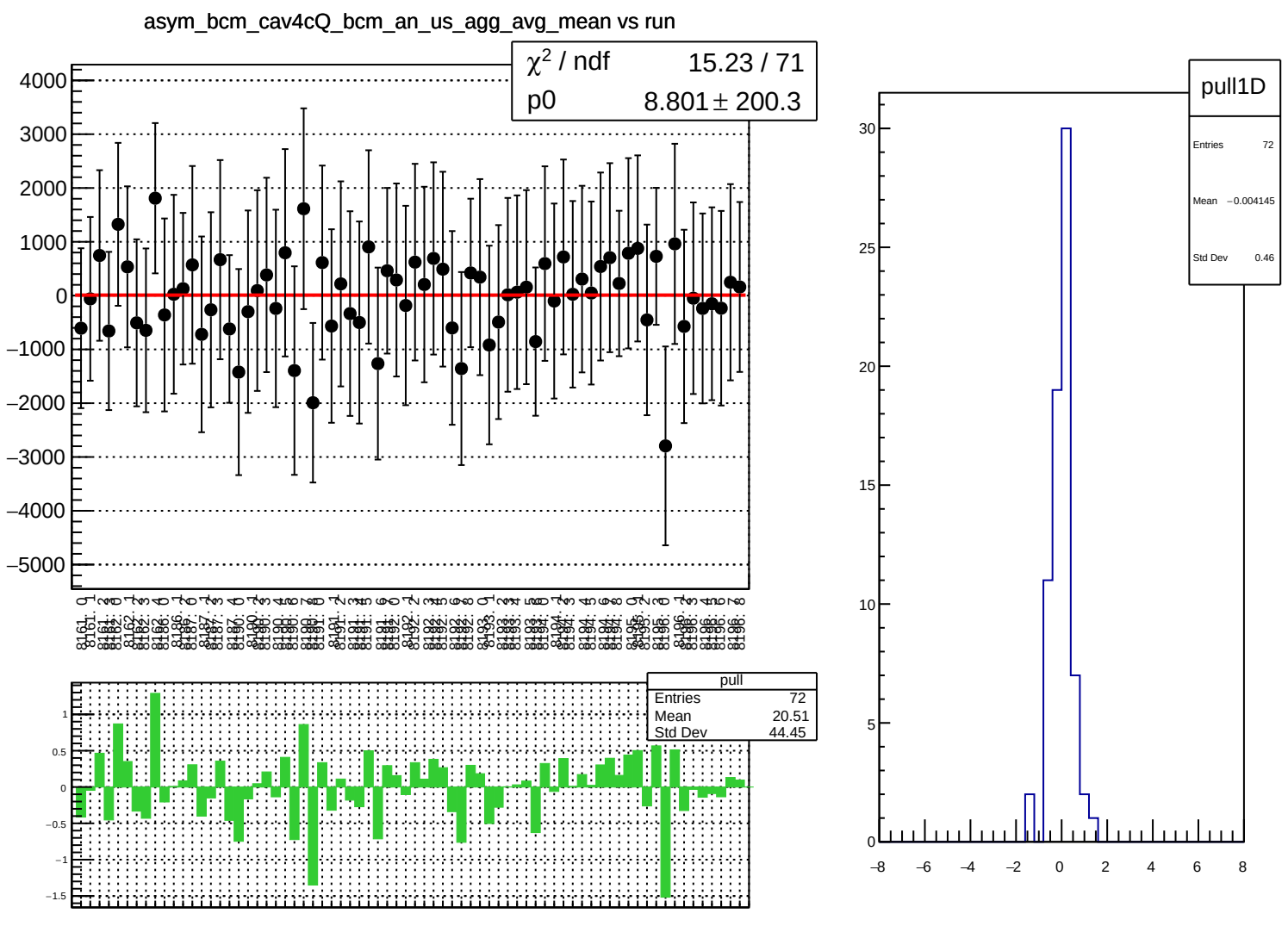

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2900 / 71
p0 16.76 ± 0.01414
19
18
17
16
15

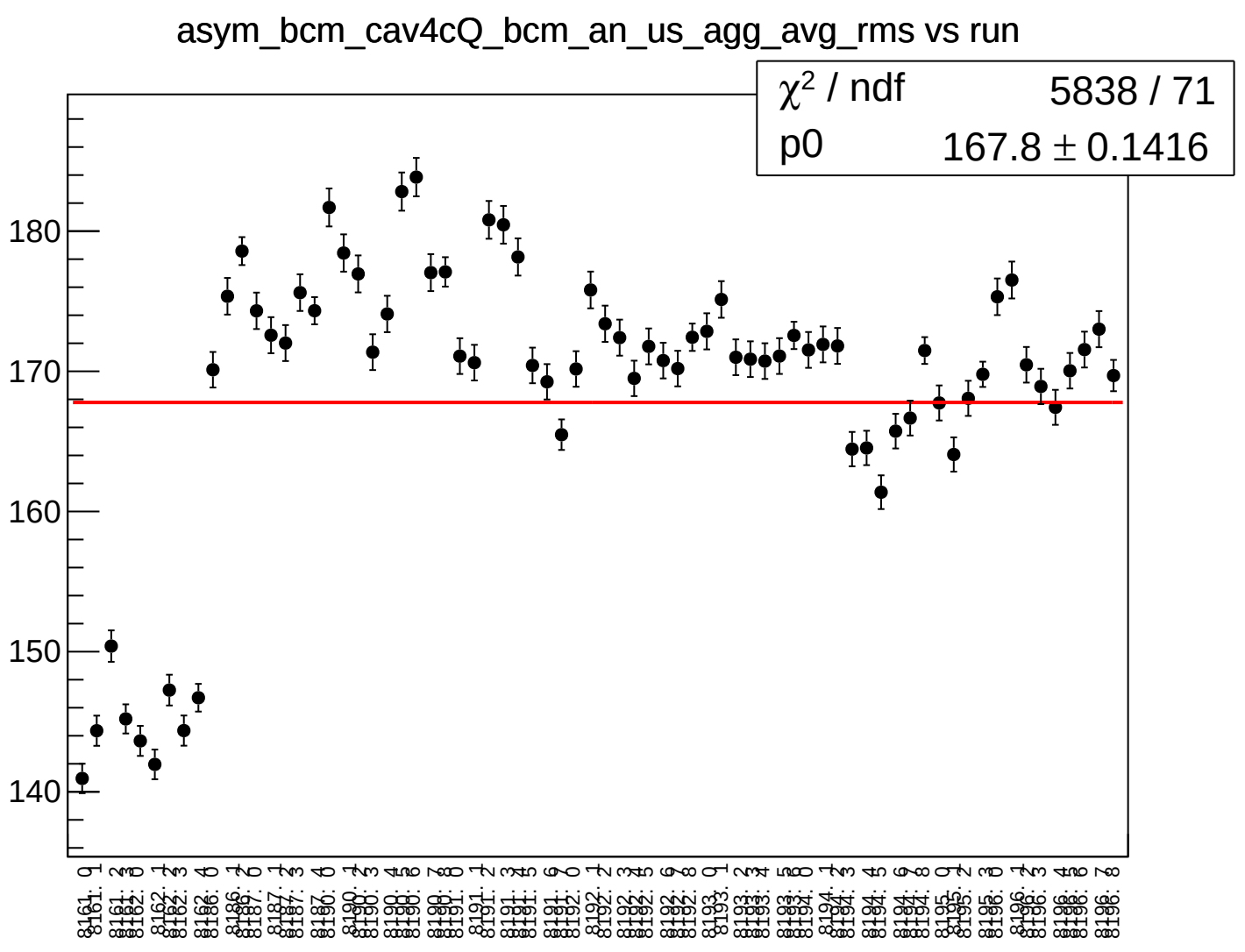

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 15.27 / 71
p0 −18.31 ± 197.5
pull
Entries 72
Mean 5.775
Std Dev 63.97
pull1D
Entries 72
Mean −0.006391
Std Dev 0.4604

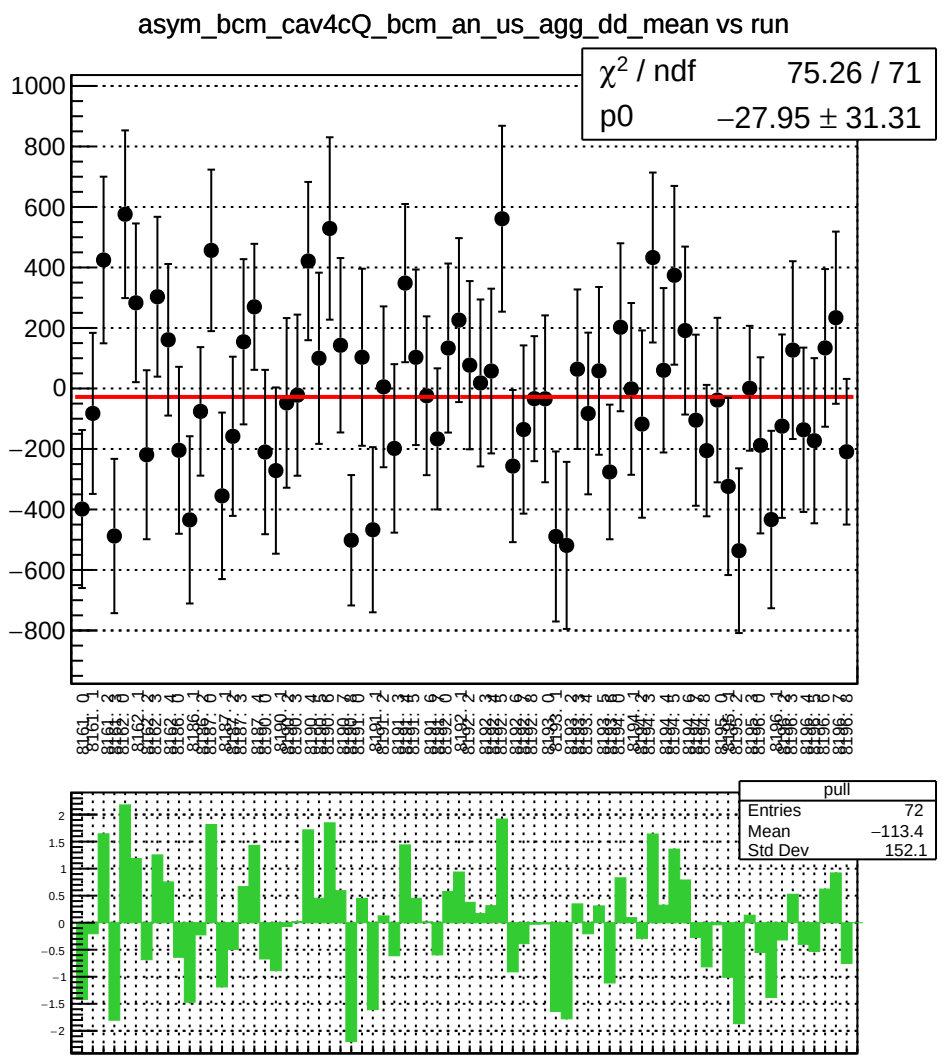

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 5230 / 71
p0 165.5 ± 0.1397
180
170
160
150
140

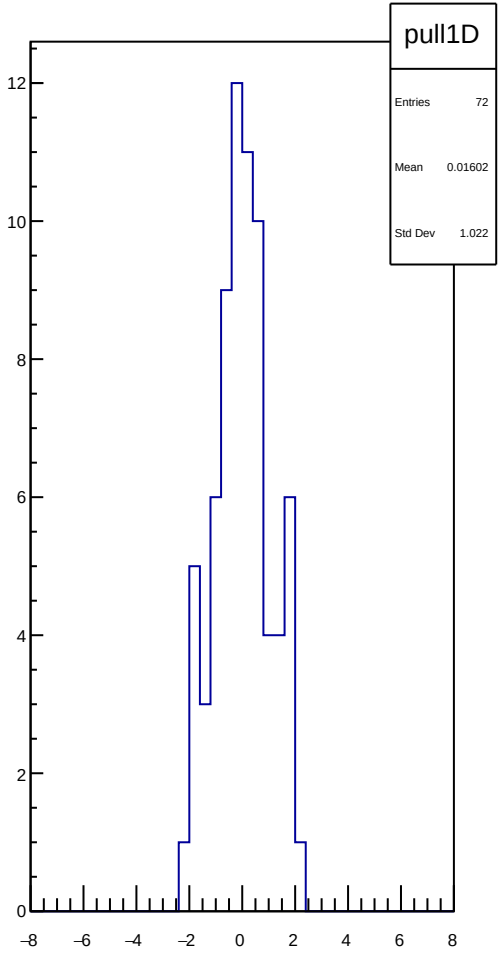

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 89.13 / 71
p0 −5.908 ± 27.68
pull
Entries 72
Mean 164.8
Std Dev 122.4
pull1D
Entries 72
Mean −0.02486
Std Dev 1.112

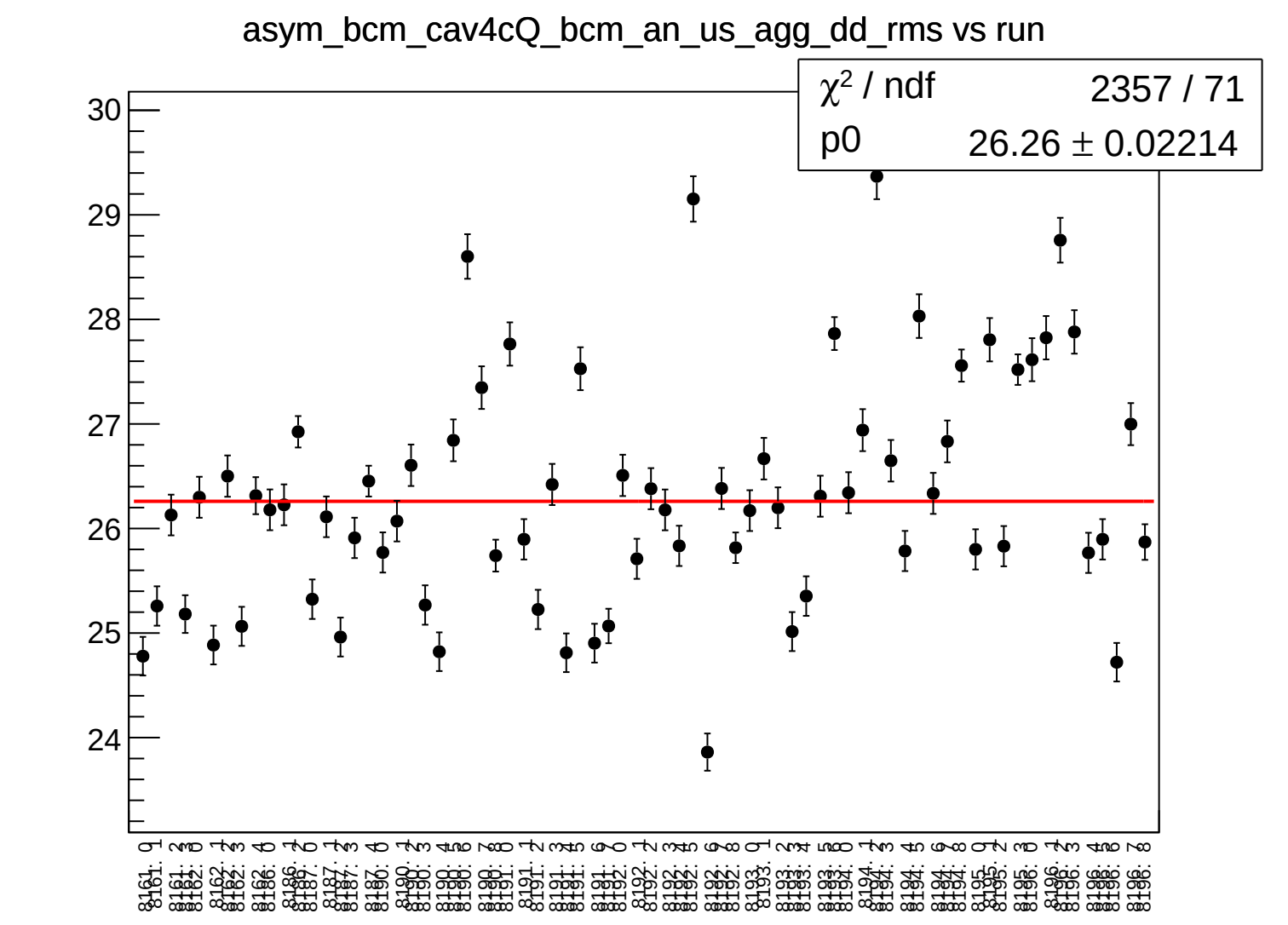

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1723 / 71
p0 23.22 ± 0.01957
25
24
23
22
21

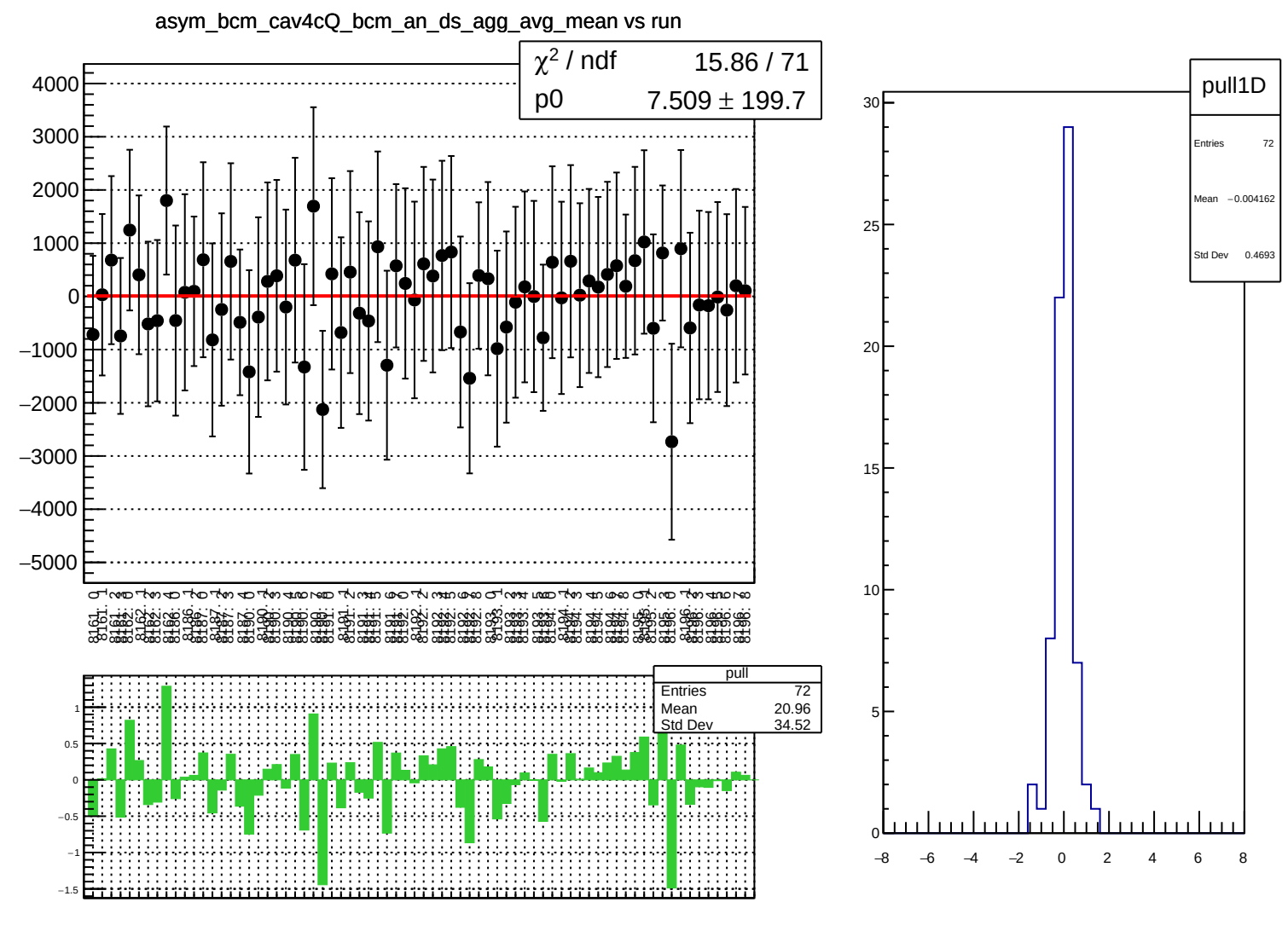

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 15.23 / 71
p0 8.801 ± 200.3
pull
Entries 72
Mean 20.51
Std Dev 44.45
pull1D
Entries 72
Mean −0.004145
Std Dev 0.46

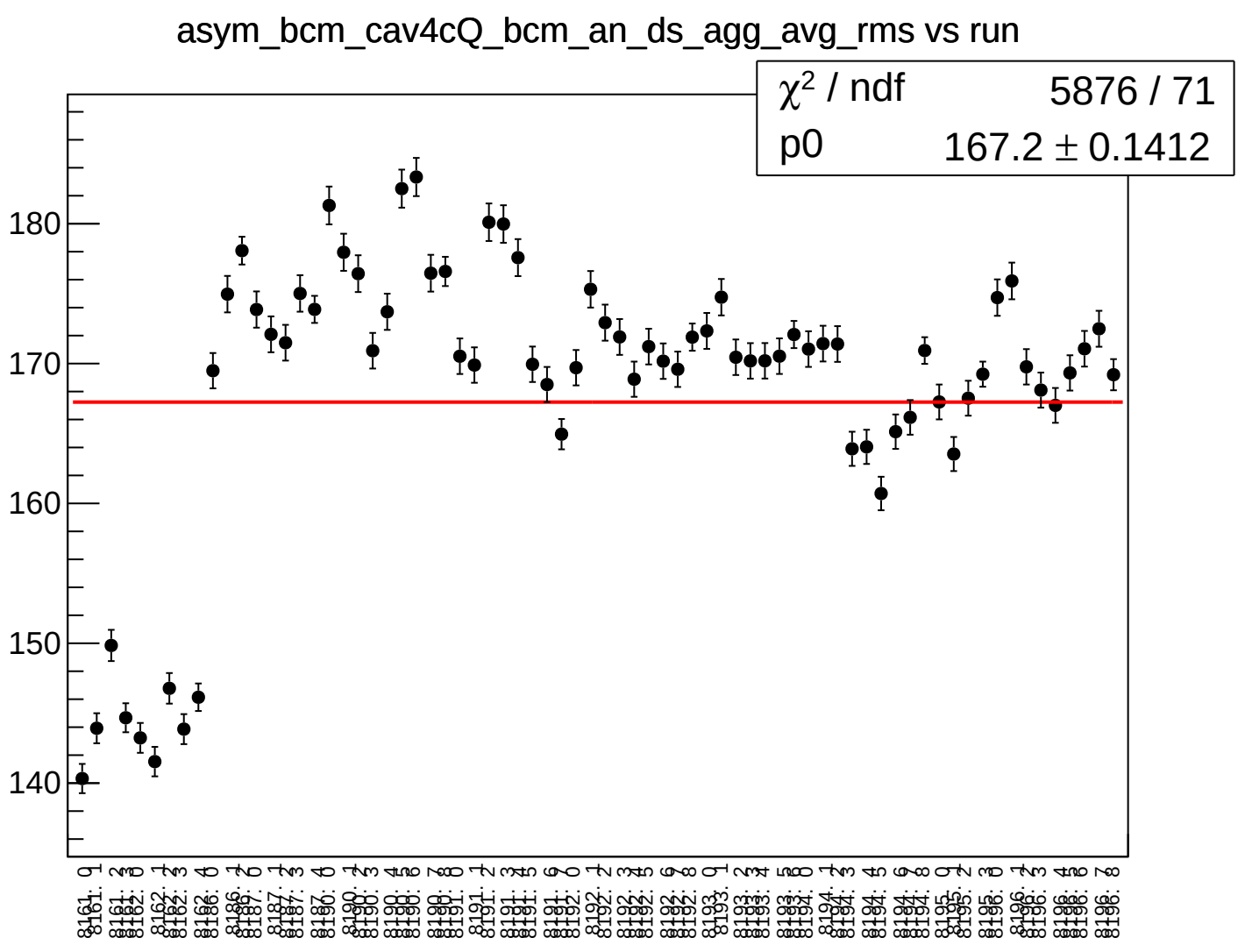

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 5838 / 71
p0 167.8 ± 0.1416
180
170
160
150
140

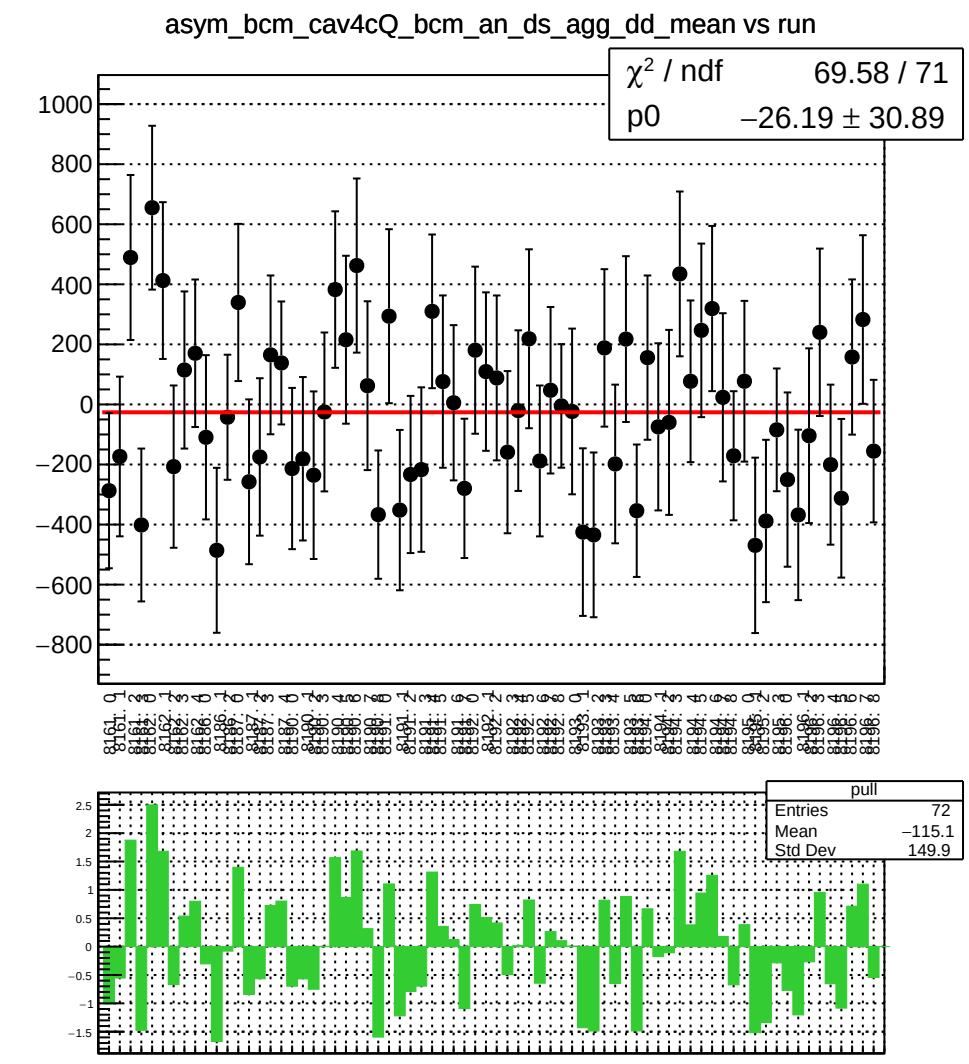

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 75.26 / 71
p0 −27.95 ± 31.31
pull
Entries 72
Mean −113.4
Std Dev 152.1

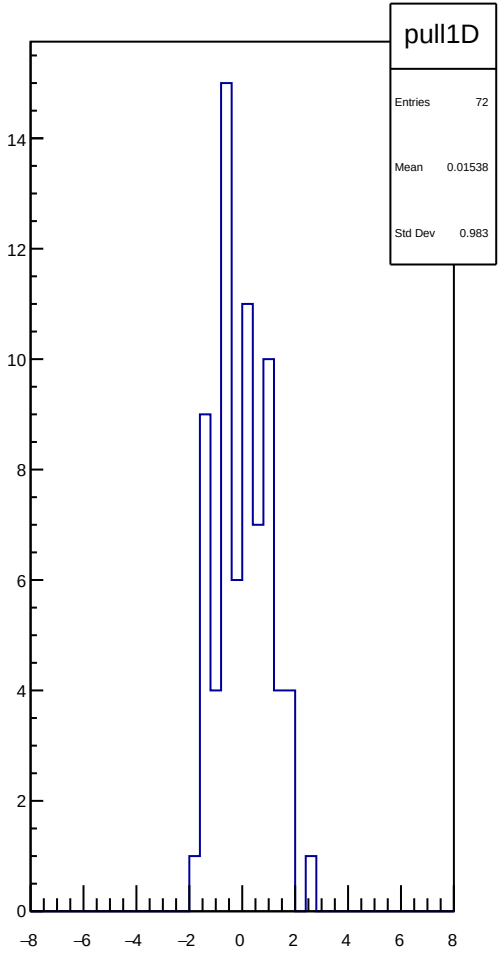

pull1D
Entries 72
Mean 0.01602
Std Dev 1.022

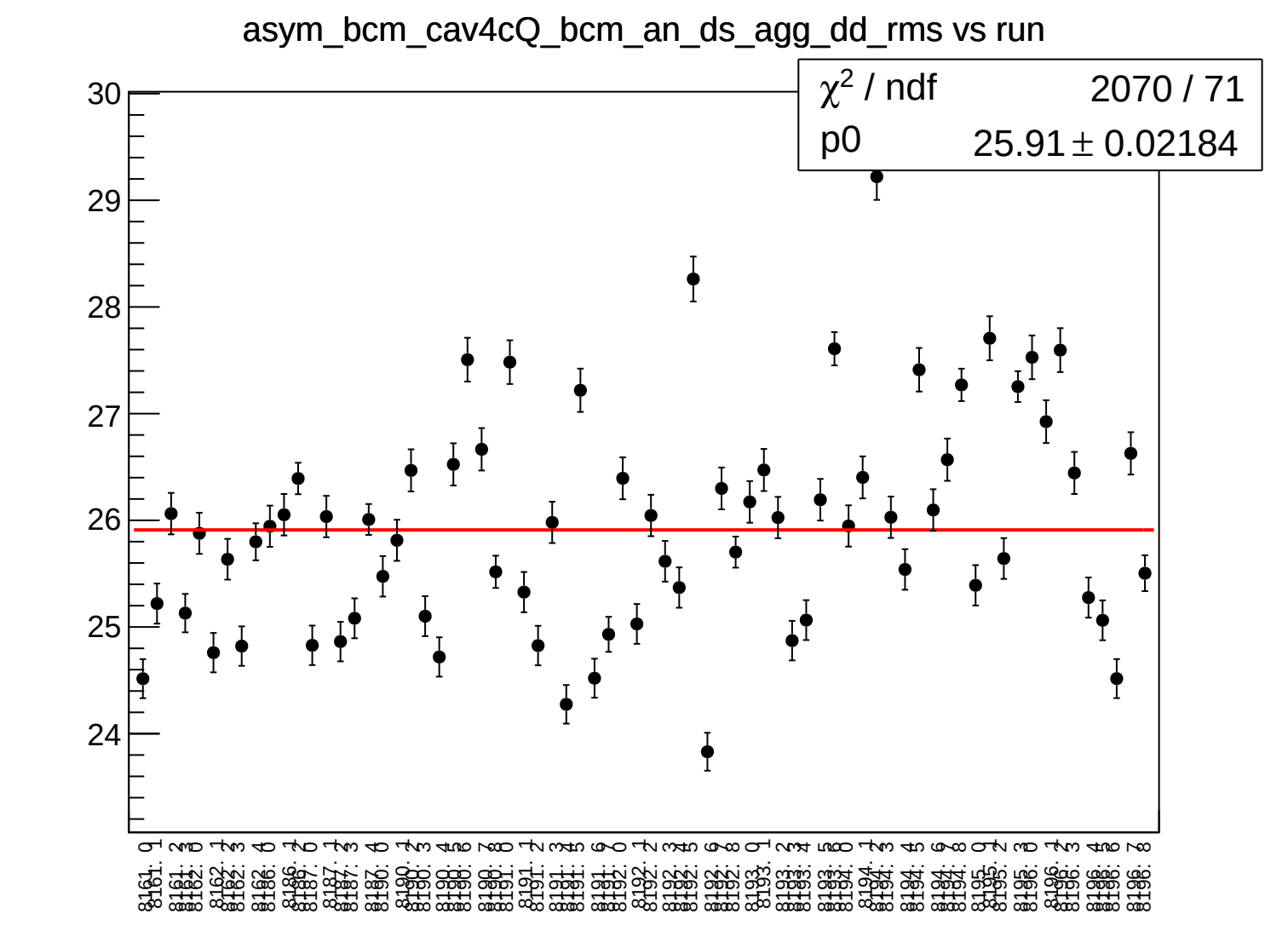

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2357 / 71
p0 26.26 ± 0.02214
30
29
28
27
26
25
24

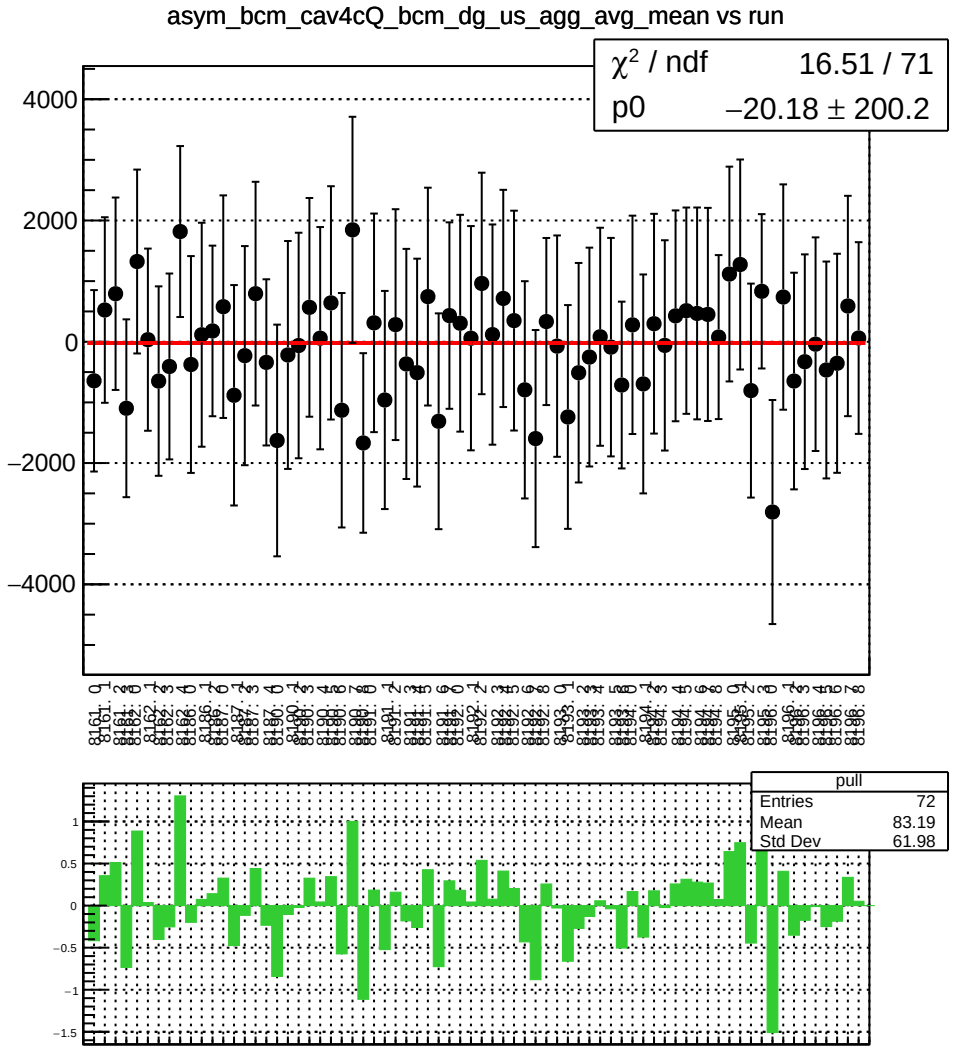

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 15.86 / 71
p0 7.509 ± 199.7
pull
Entries 72
Mean 20.96
Std Dev 34.52
pull1D
Entries 72
Mean −0.004162
Std Dev 0.4693

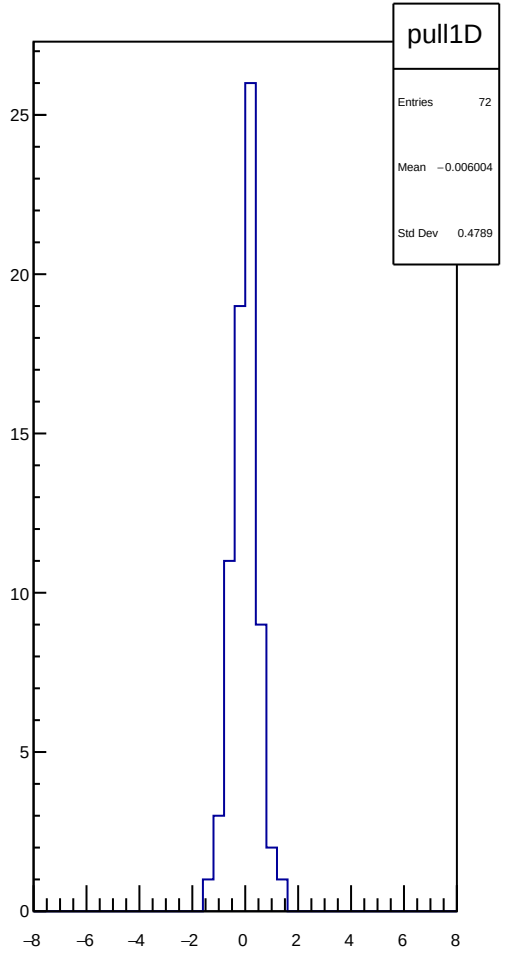

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 5876 / 71
p0 167.2 ± 0.1412
180
170
160
150
140

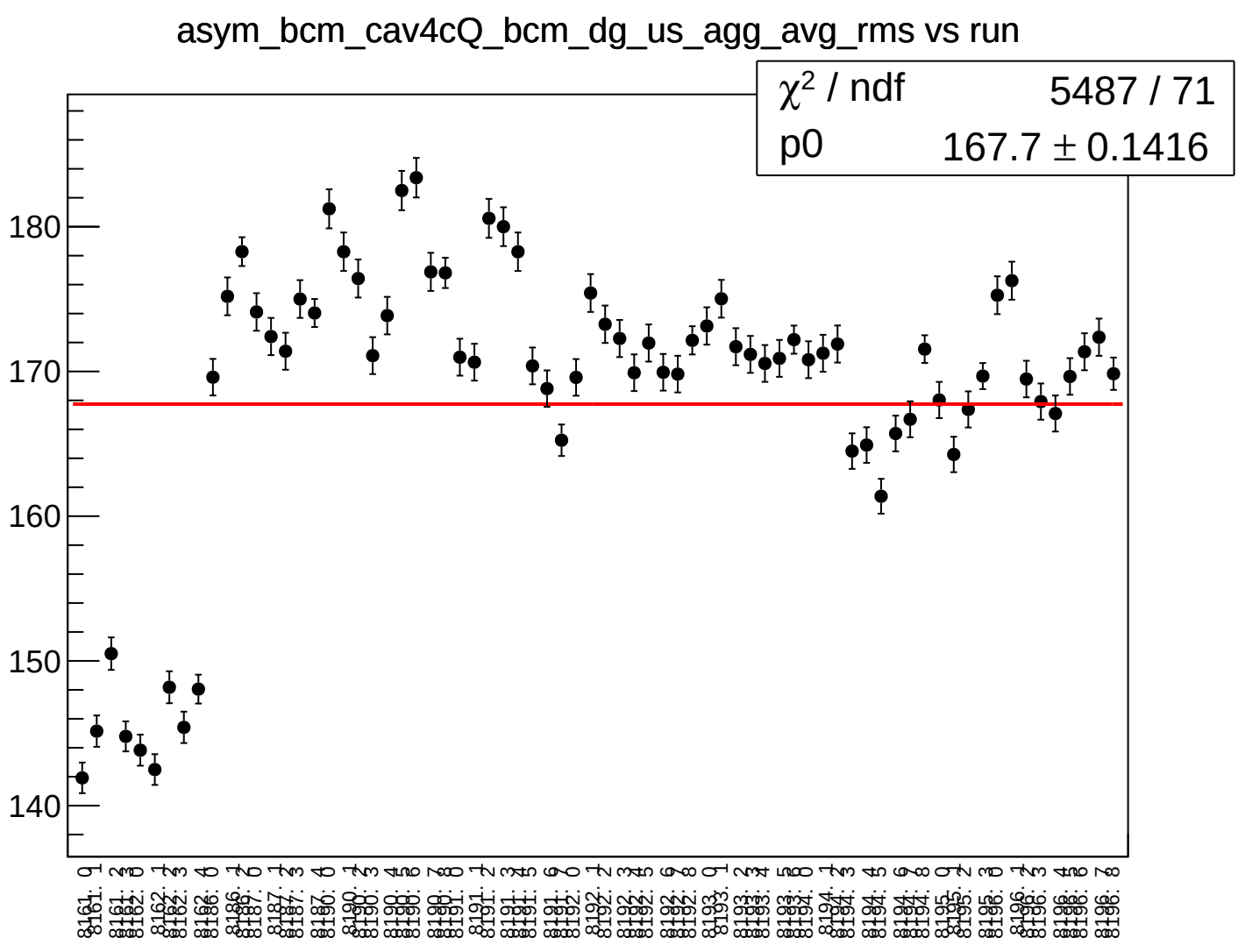

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 69.58 / 71
p0 −26.19 ± 30.89
pull
Entries 72
Mean −115.1
Std Dev 149.9

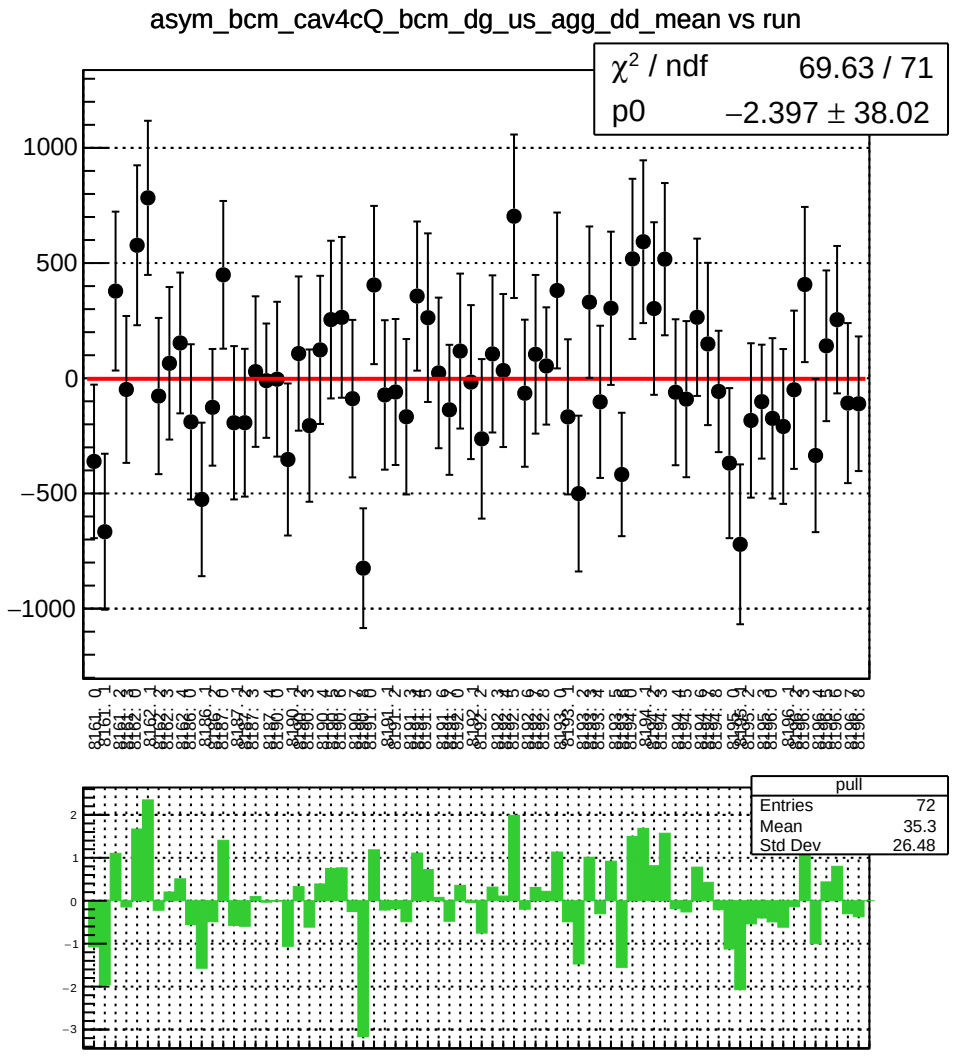

pull1D
Entries 72
Mean 0.01538
Std Dev 0.983

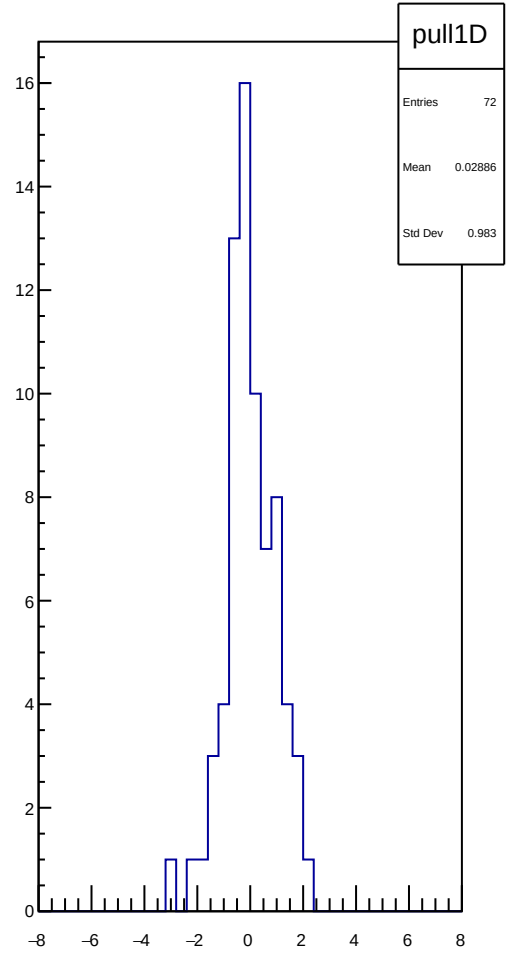

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2070 / 71
p0 25.91 ± 0.02184
30
29
28
27
26
25
24

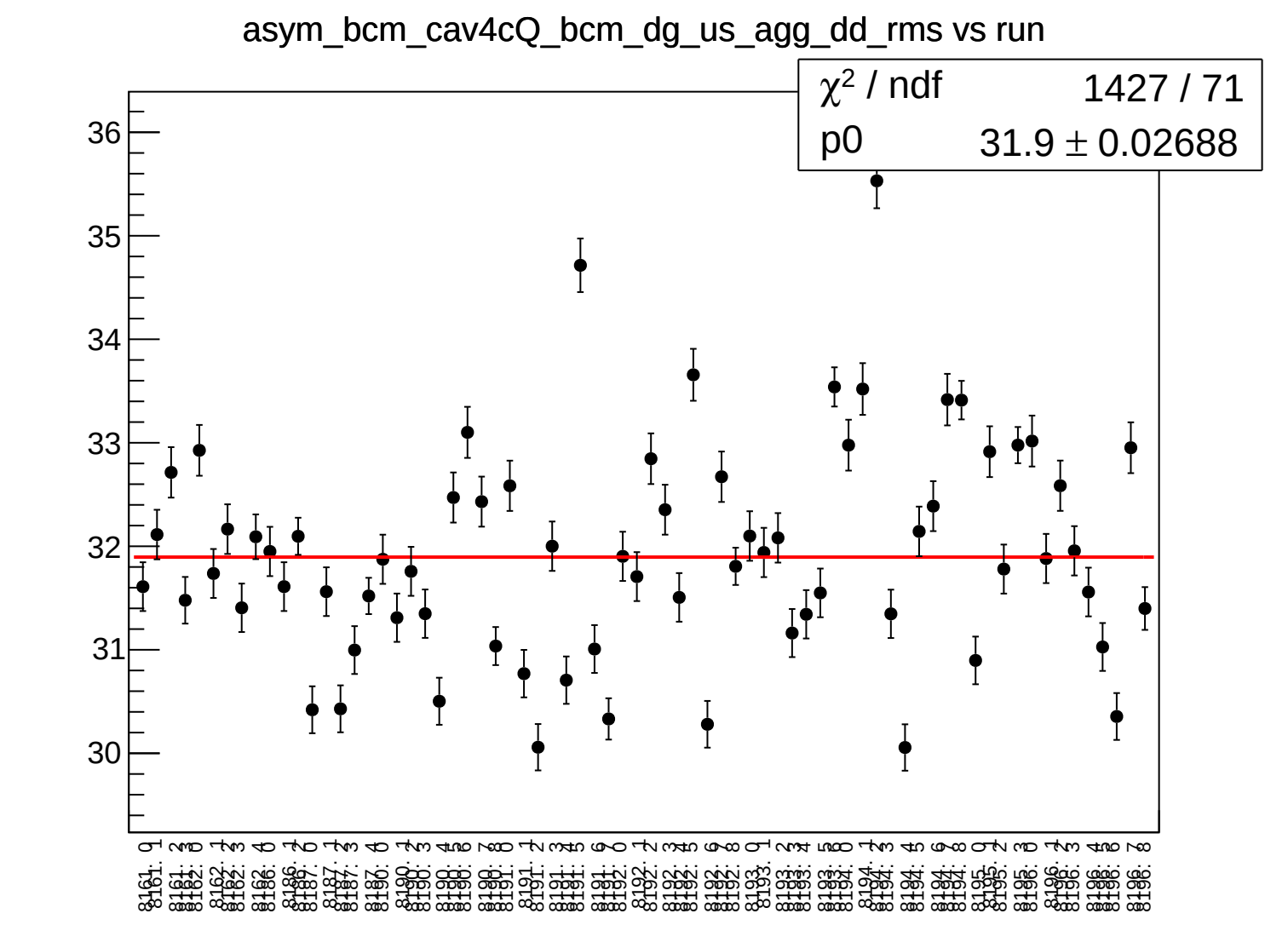

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 16.51 / 71
p0 −20.18 ± 200.2
4000
2000
0
−2000
−4000
pull
Entries 72
Mean 83.19
Std Dev 61.98
1
0.5
0
−0.5
−1
−1.5

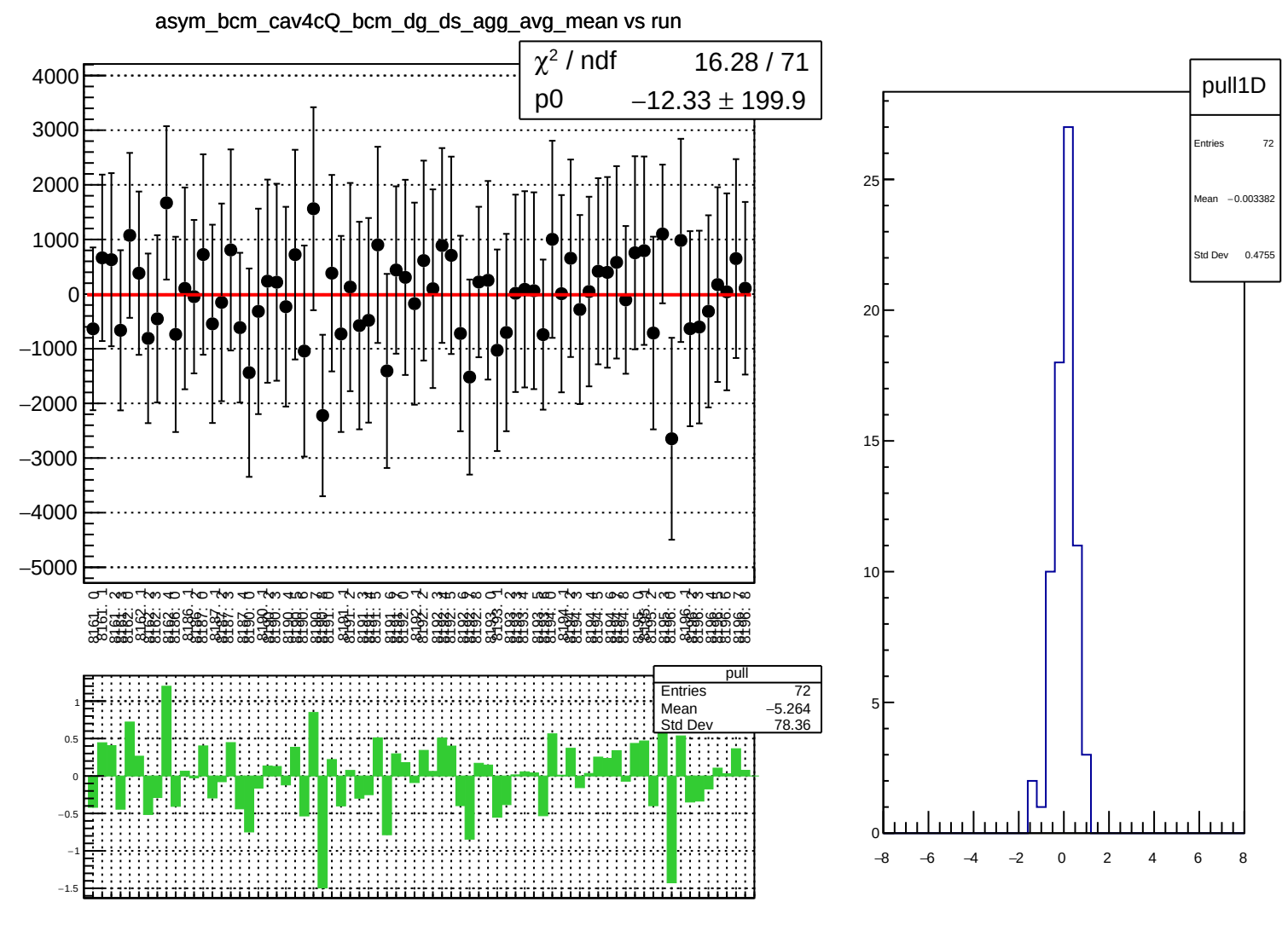

pull1D
Entries 72
Mean −0.006004
Std Dev 0.4789
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

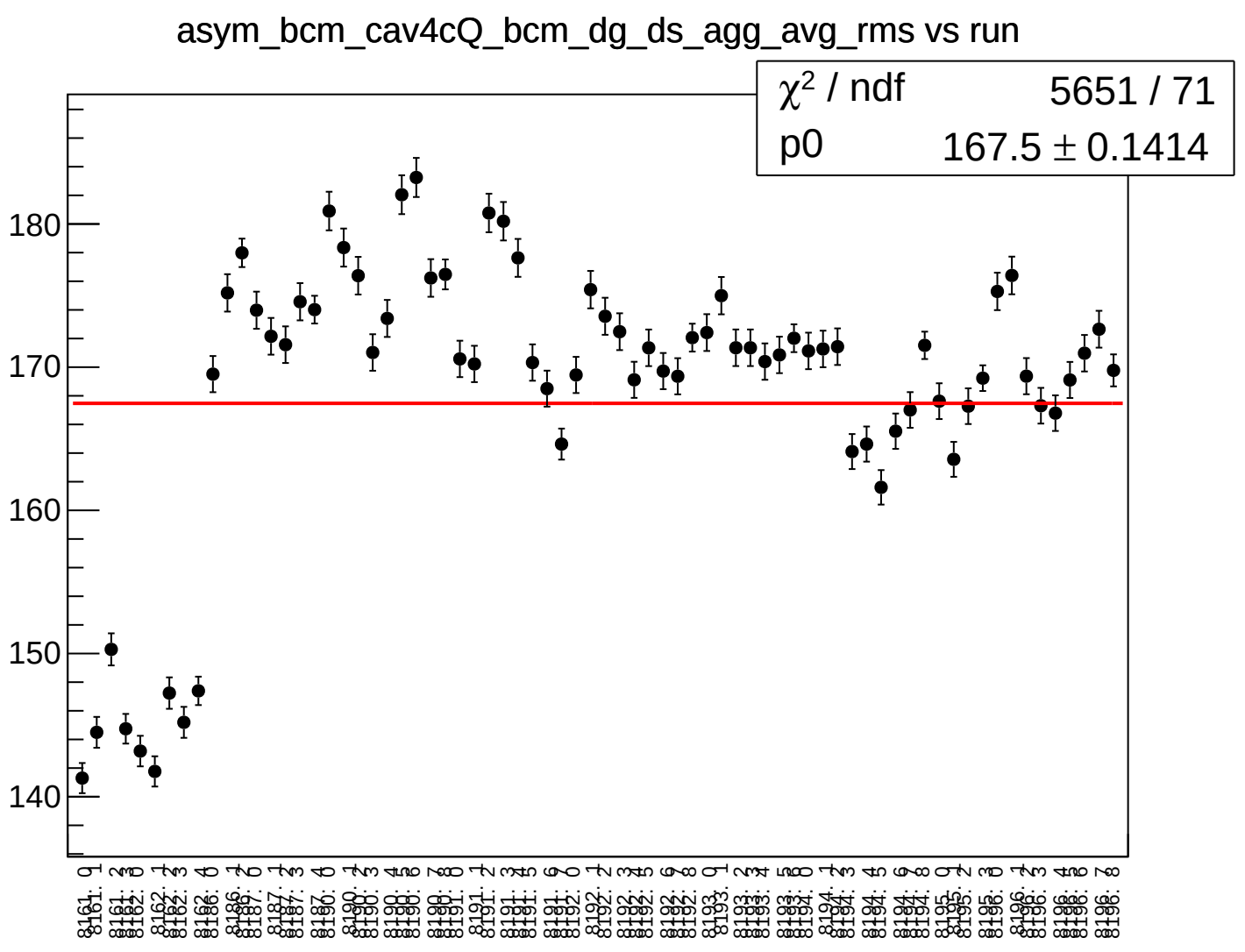

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 5487 / 71
p0 167.7 ± 0.1416
180
170
160
150
140

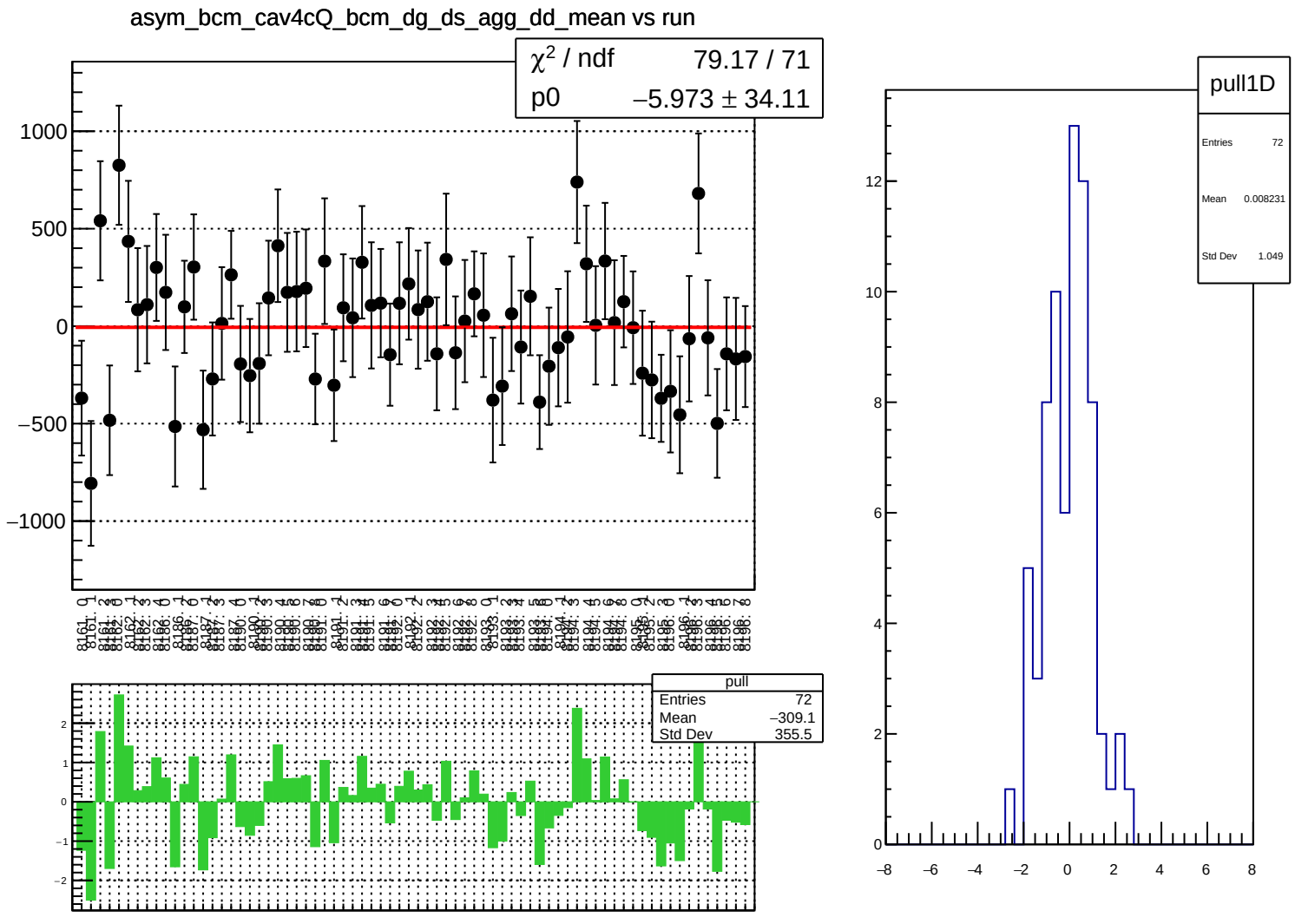

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 69.63 / 71
p0 −2.397 ± 38.02
pull
Entries 72
Mean 35.3
Std Dev 26.48

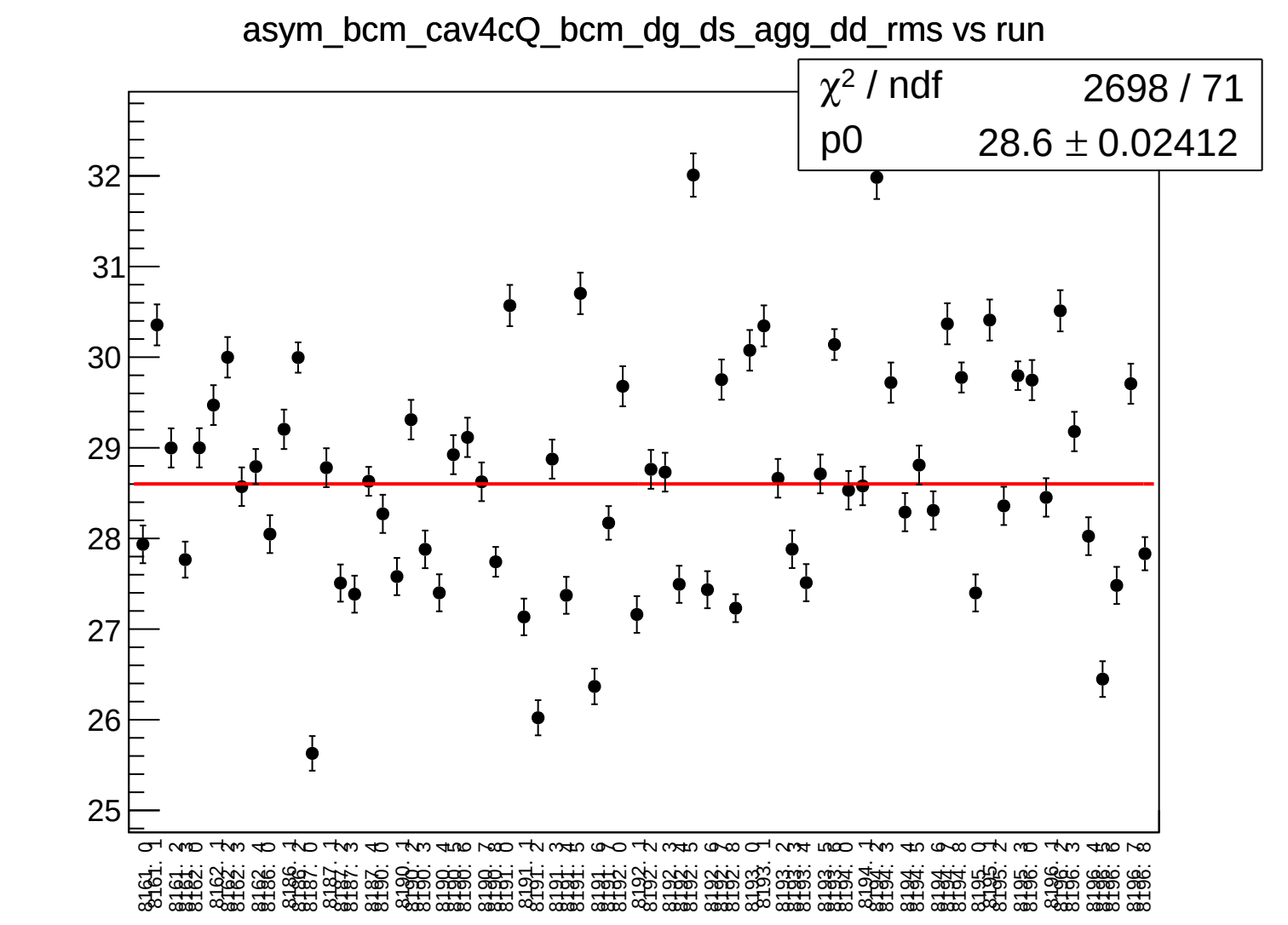

pull1D
Entries 72
Mean 0.02886
Std Dev 0.983

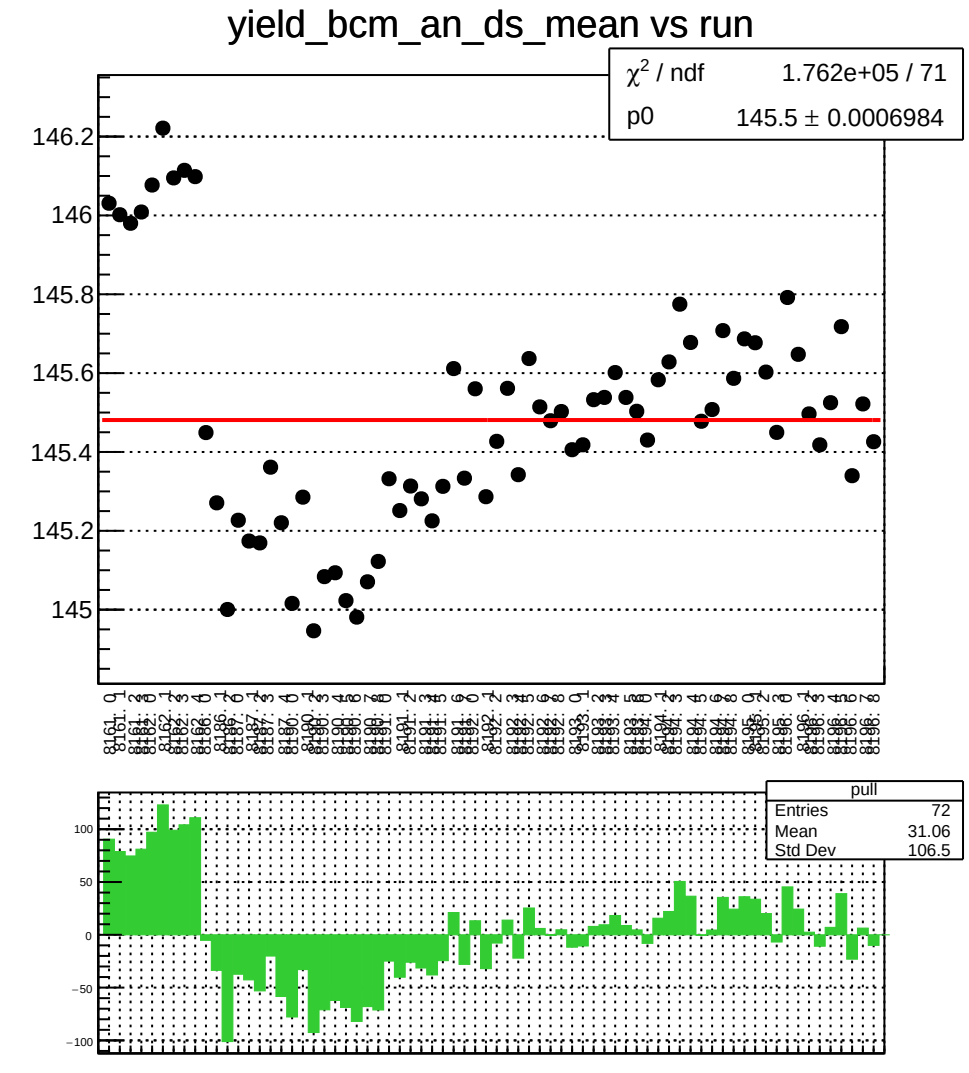

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1427 / 71
p0 31.9 ± 0.02688
36
35
34
33
32
31
30

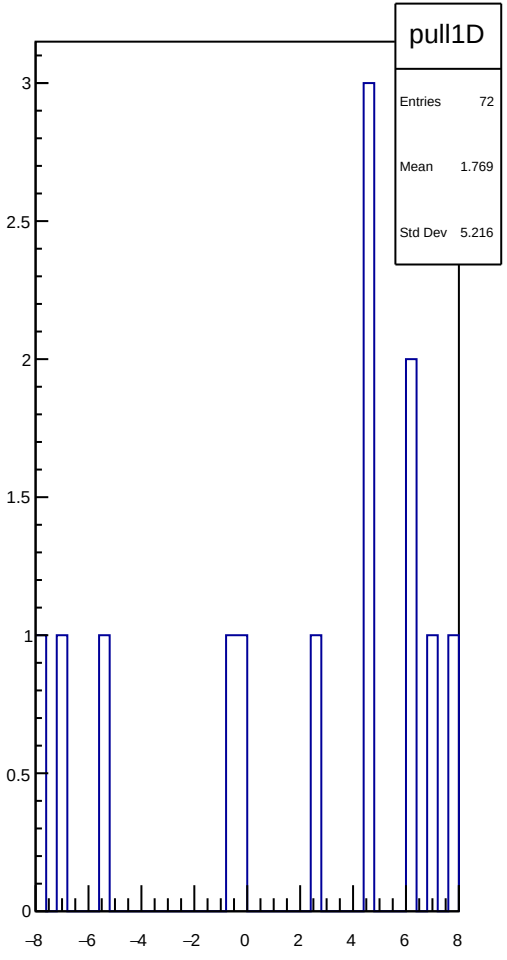

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 16.28 / 71
p0 −12.33 ± 199.9
pull
Entries 72
Mean −5.264
Std Dev 78.36
pull1D
Entries 72
Mean −0.003382
Std Dev 0.4755

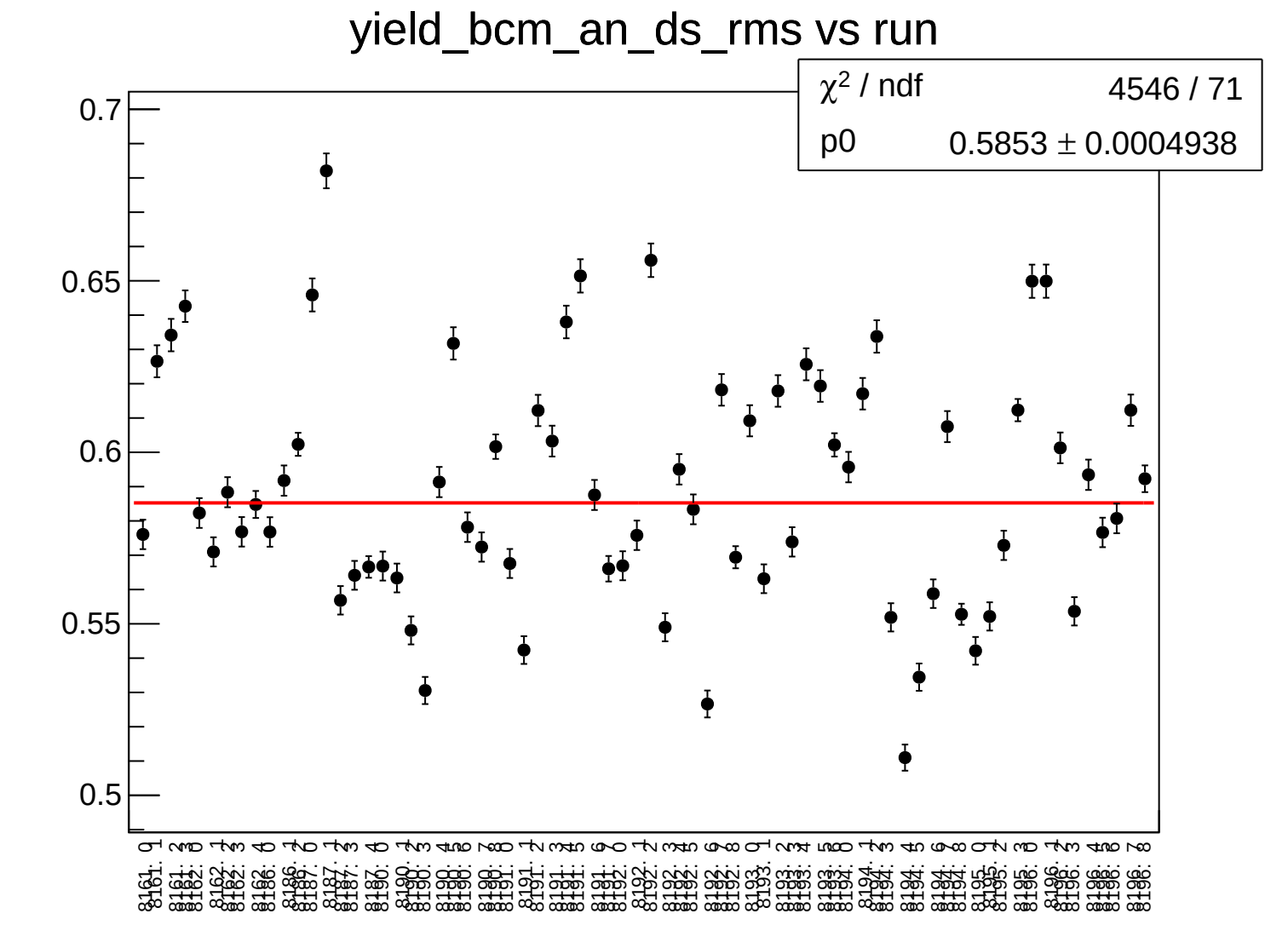

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 5651 / 71
p0 167.5 ± 0.1414
180
170
160
150
140

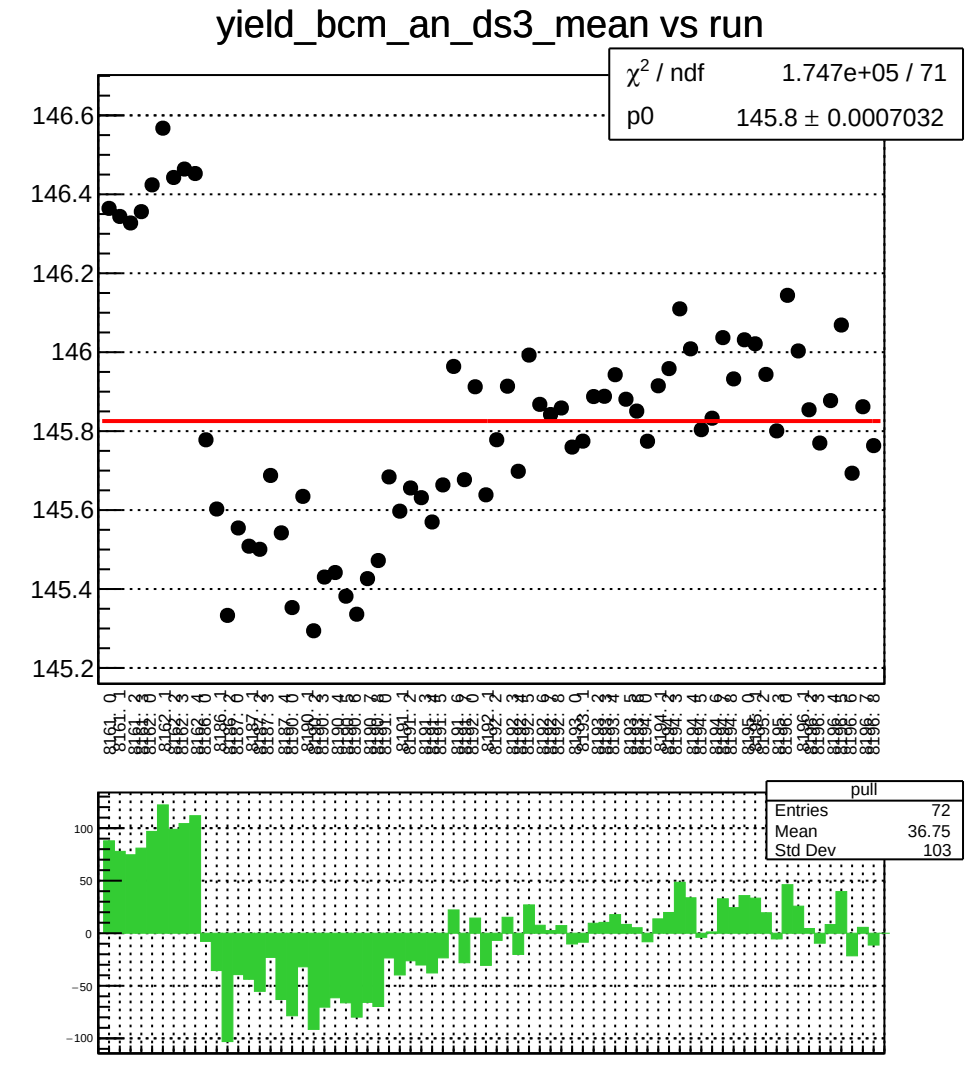

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 79.17 / 71
p0 −5.973 ± 34.11
1000
500
0
−500
−1000
pull
Entries 72
Mean −309.1
Std Dev 355.5
pull1D
Entries 72
Mean 0.008231
Std Dev 1.049

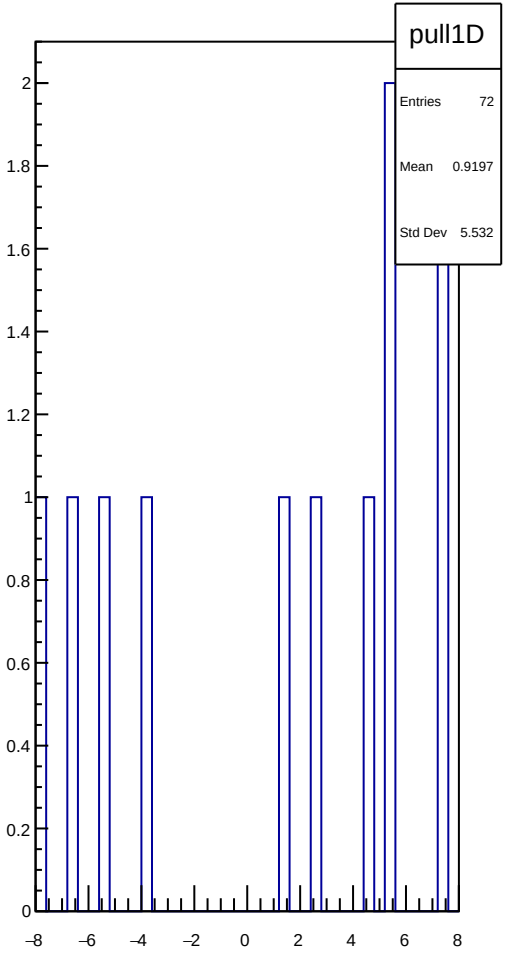

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2698 / 71
p0 28.6 ± 0.02412
32
31
30
29
28
27
26
25

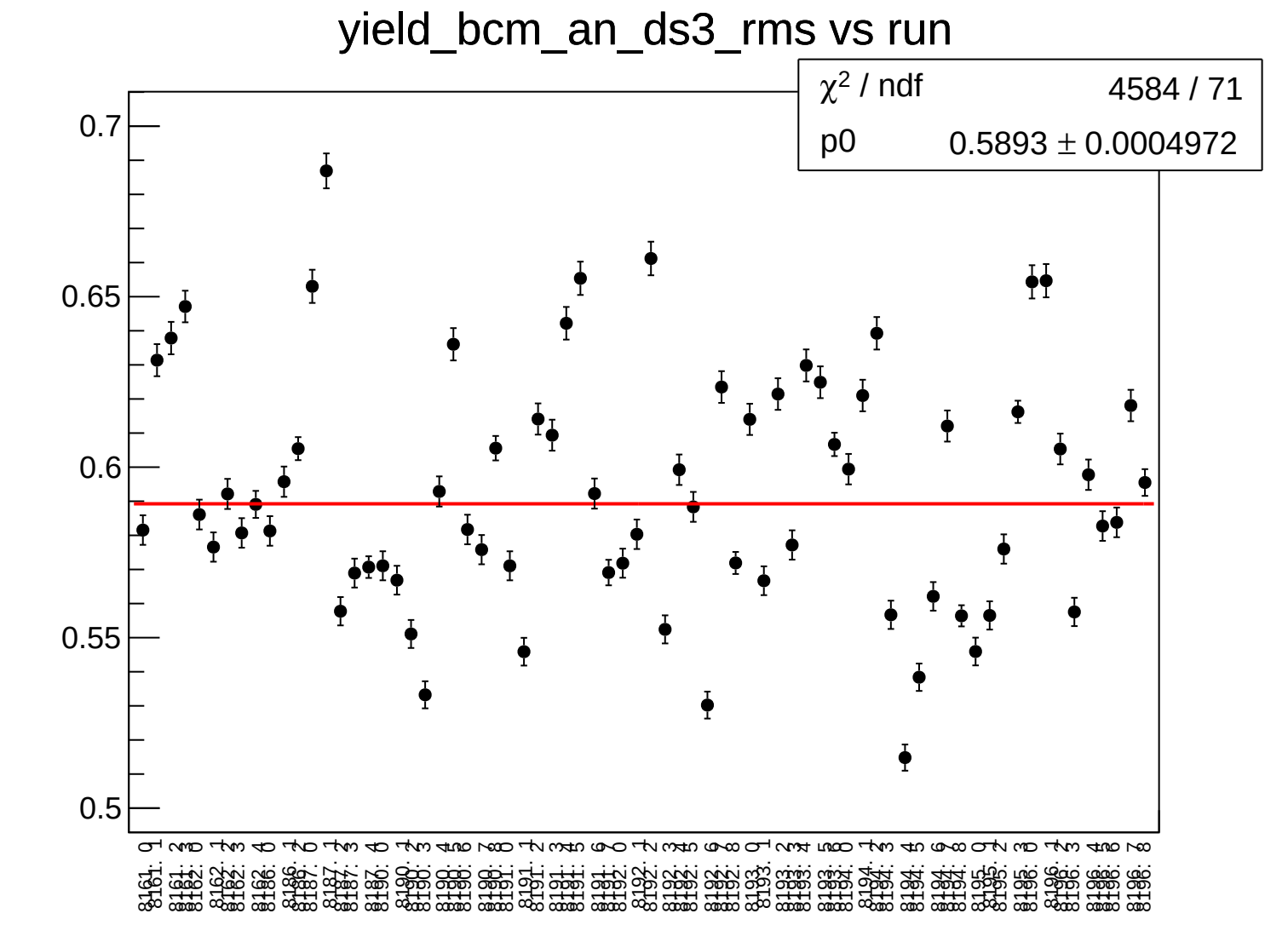

yield_bcm_an_ds_mean vs run
χ² / ndf 1.762e+05 / 71
p0 145.5 ± 0.0006984
146.2
146
145.8
145.6
145.4
145.2
145
pull
Entries 72
Mean 31.06
Std Dev 106.5
100
50
0
−50
−100

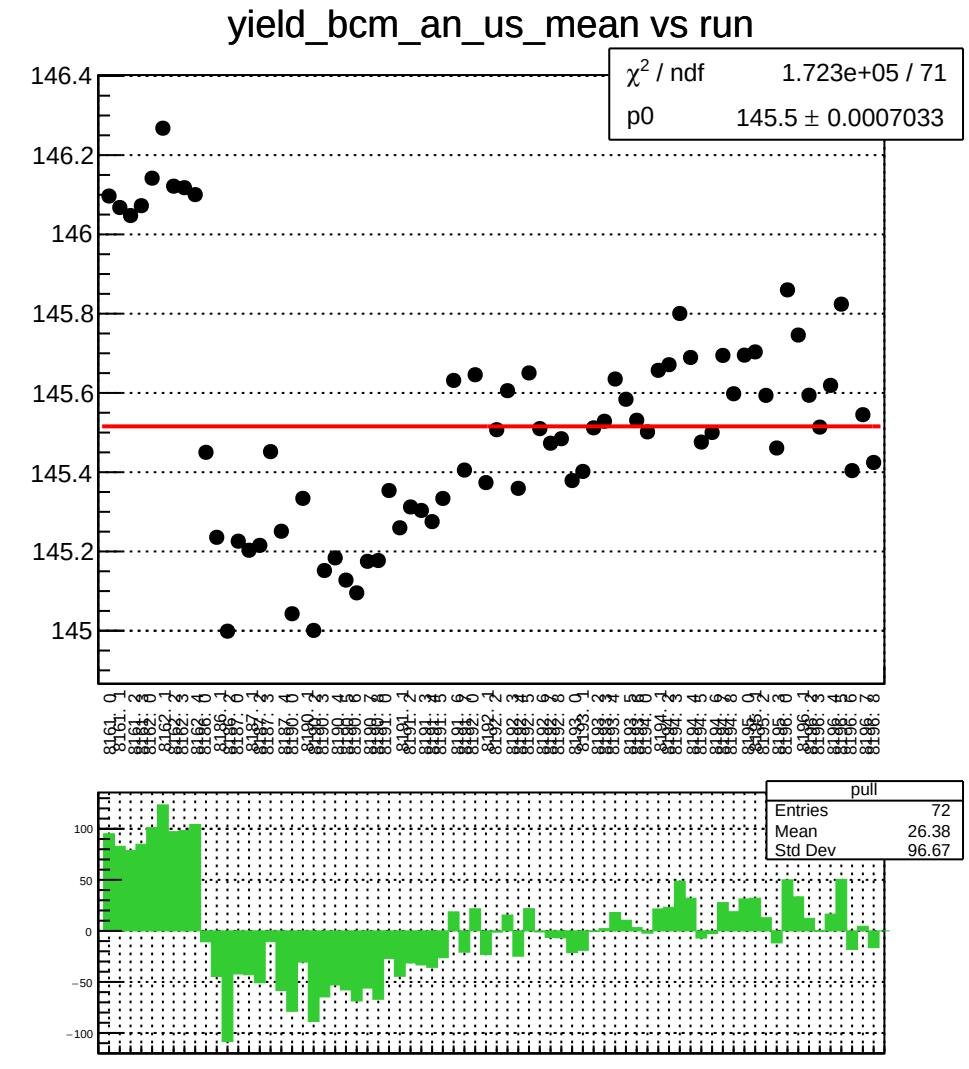

pull1D
Entries 72
Mean 1.769
Std Dev 5.216
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

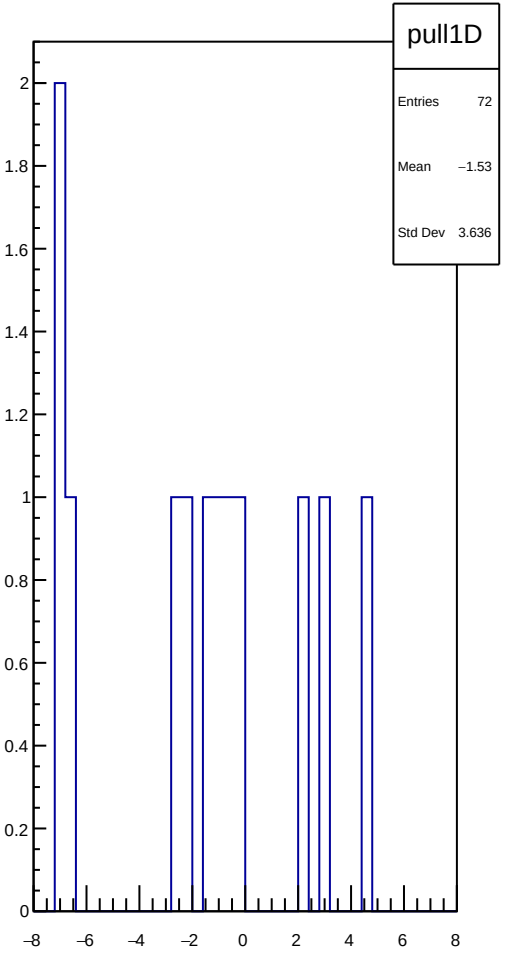

yield_bcm_an_ds_rms vs run
χ² / ndf 4546 / 71
p0 0.5853 ± 0.0004938
0.7
0.65
0.6
0.55
0.5

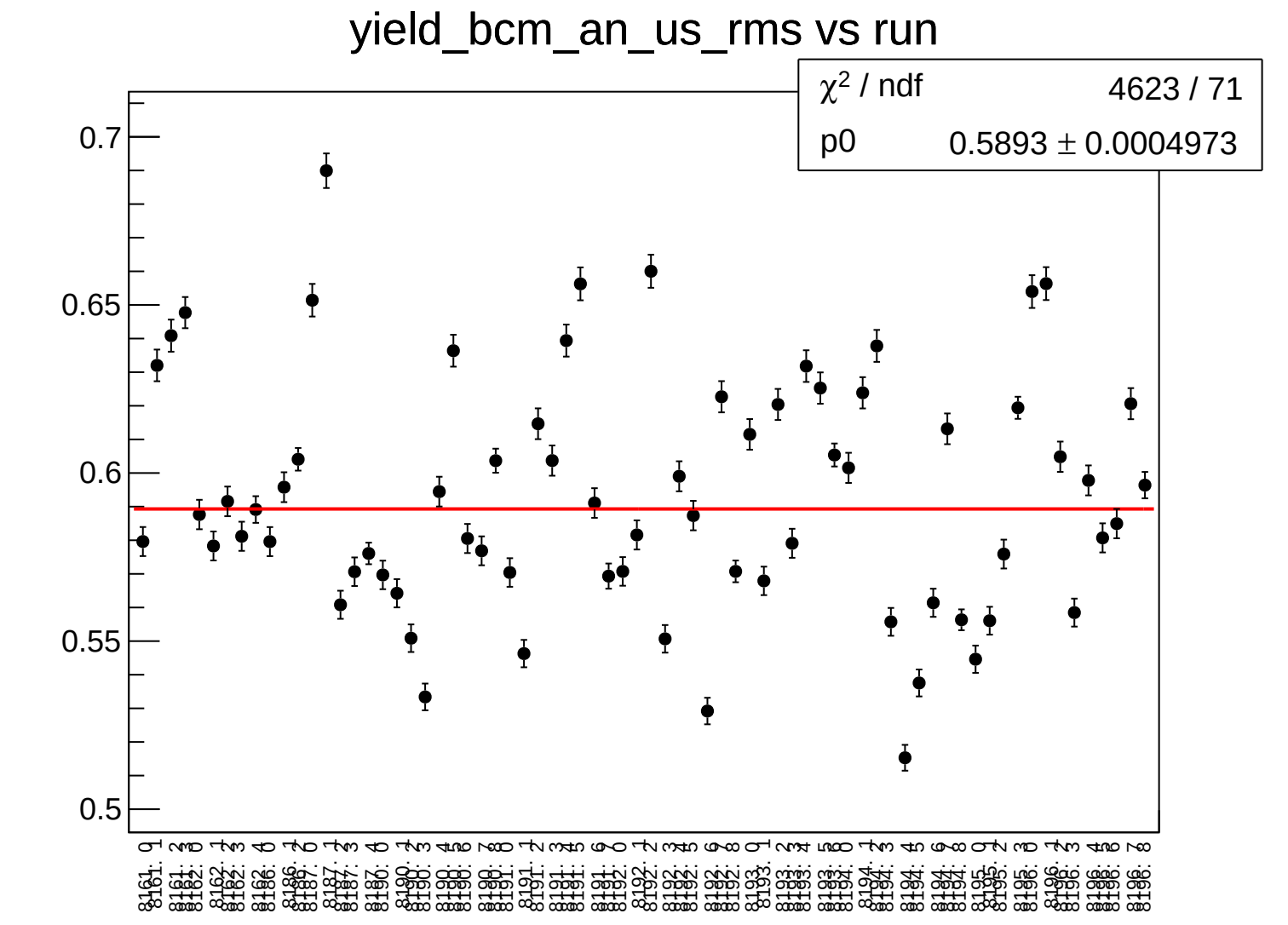

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.747e+05 / 71
p0 145.8 ± 0.0007032
146.6
146.4
146.2
146
145.8
145.6
145.4
145.2
pull
Entries 72
Mean 36.75
Std Dev 103
100
50
0
−50
−100

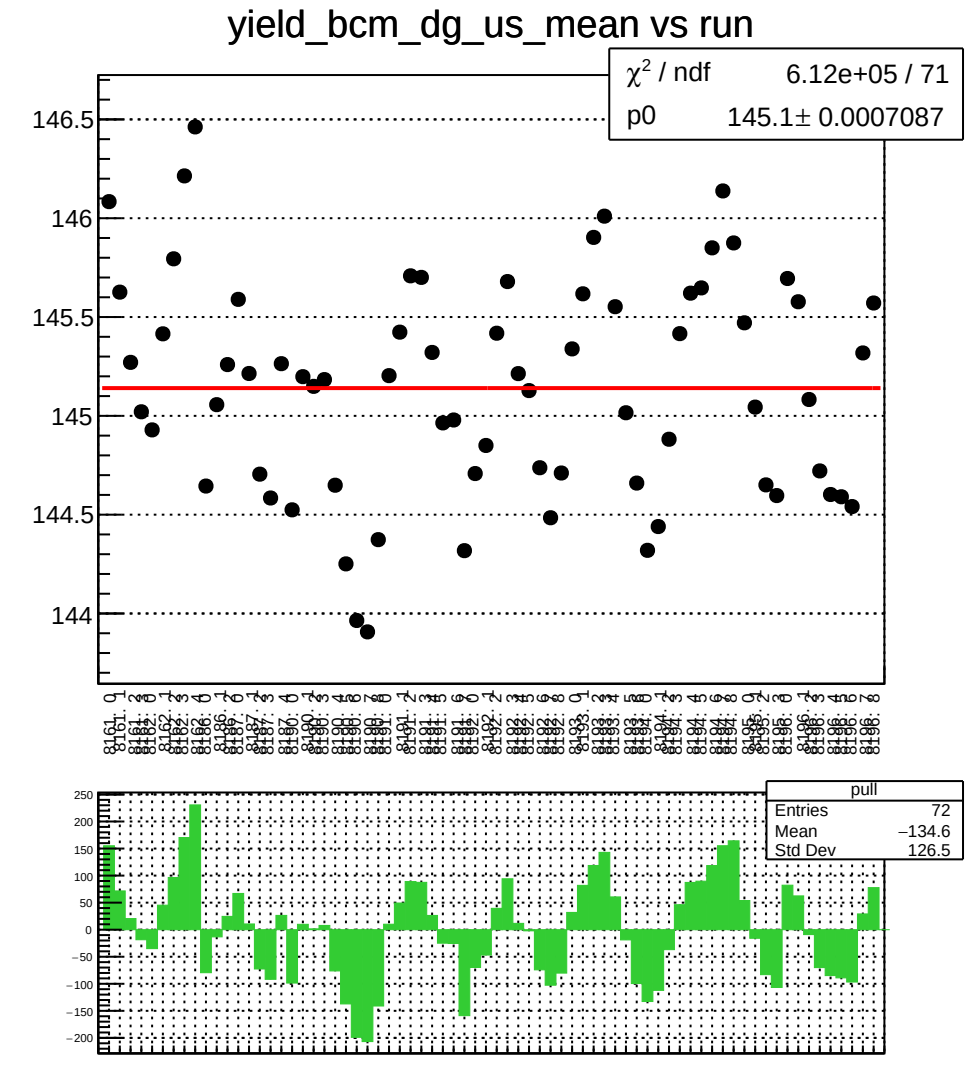

pull1D
Entries 72
Mean 0.9197
Std Dev 5.532
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

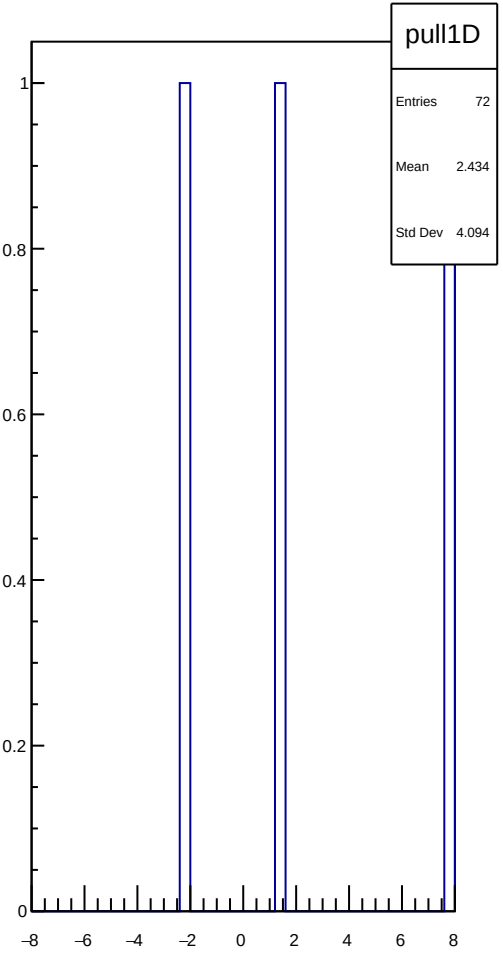

yield_bcm_an_ds3_rms vs run
χ² / ndf 4584 / 71
p0 0.5893 ± 0.0004972
0.7
0.65
0.6
0.55
0.5

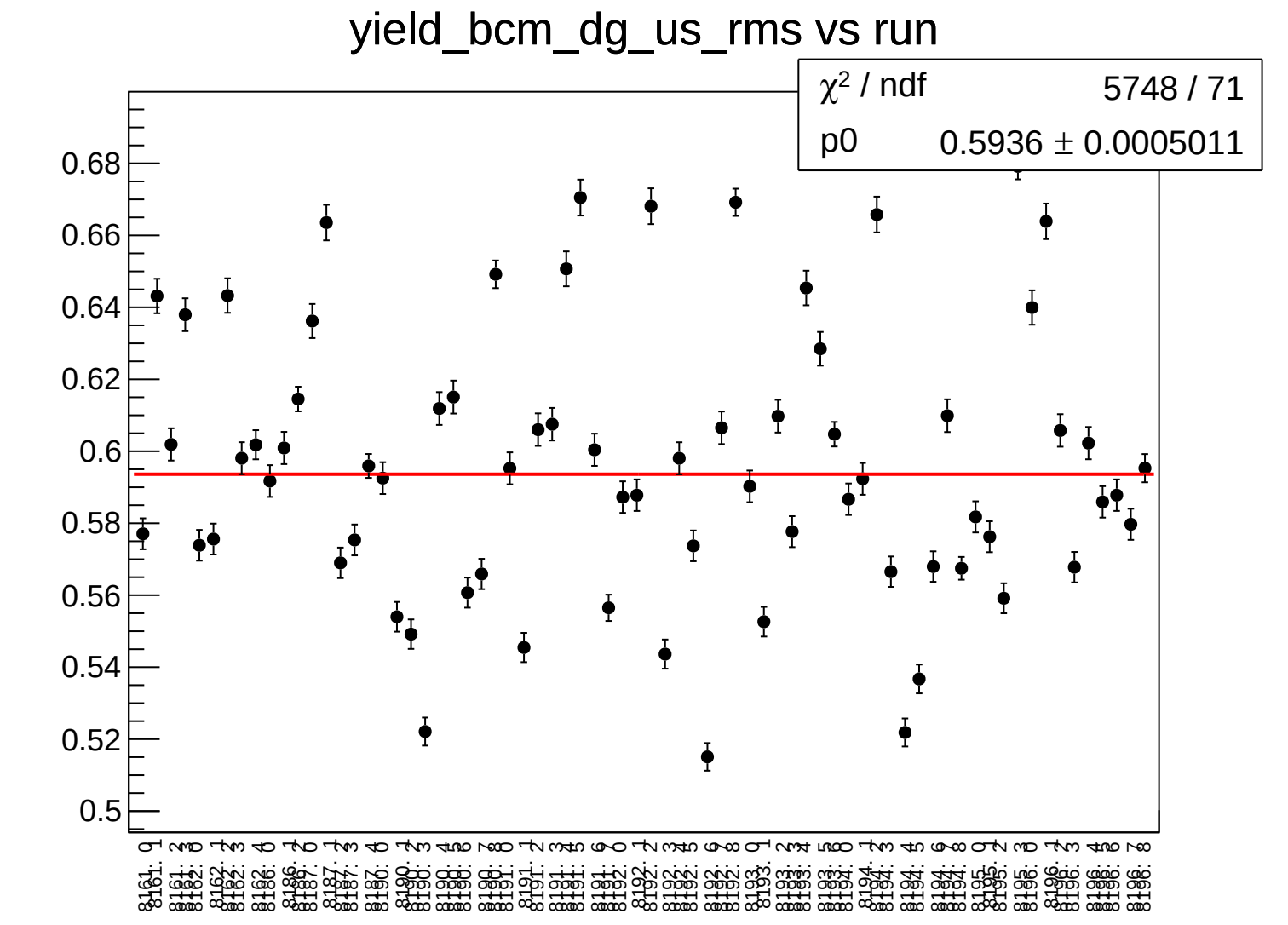

yield_bcm_an_us_mean vs run
χ² / ndf 1.723e+05 / 71
p0 145.5 ± 0.0007033
146.4
146.2
146
145.8
145.6
145.4
145.2
145
pull
Entries 72
Mean 26.38
Std Dev 96.67
100
50
0
−50
−100

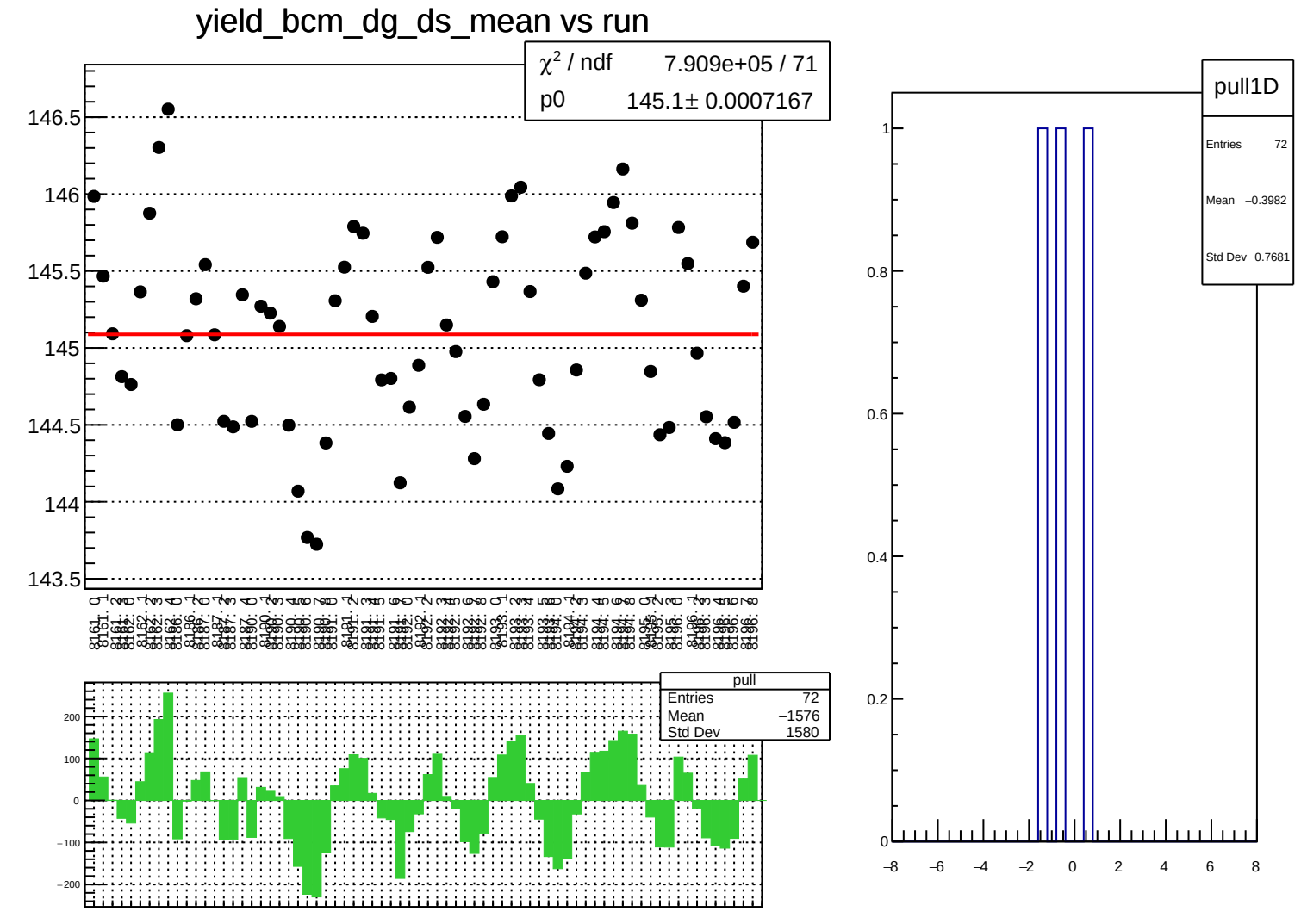

pull1D
Entries 72
Mean −1.53
Std Dev 3.636
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

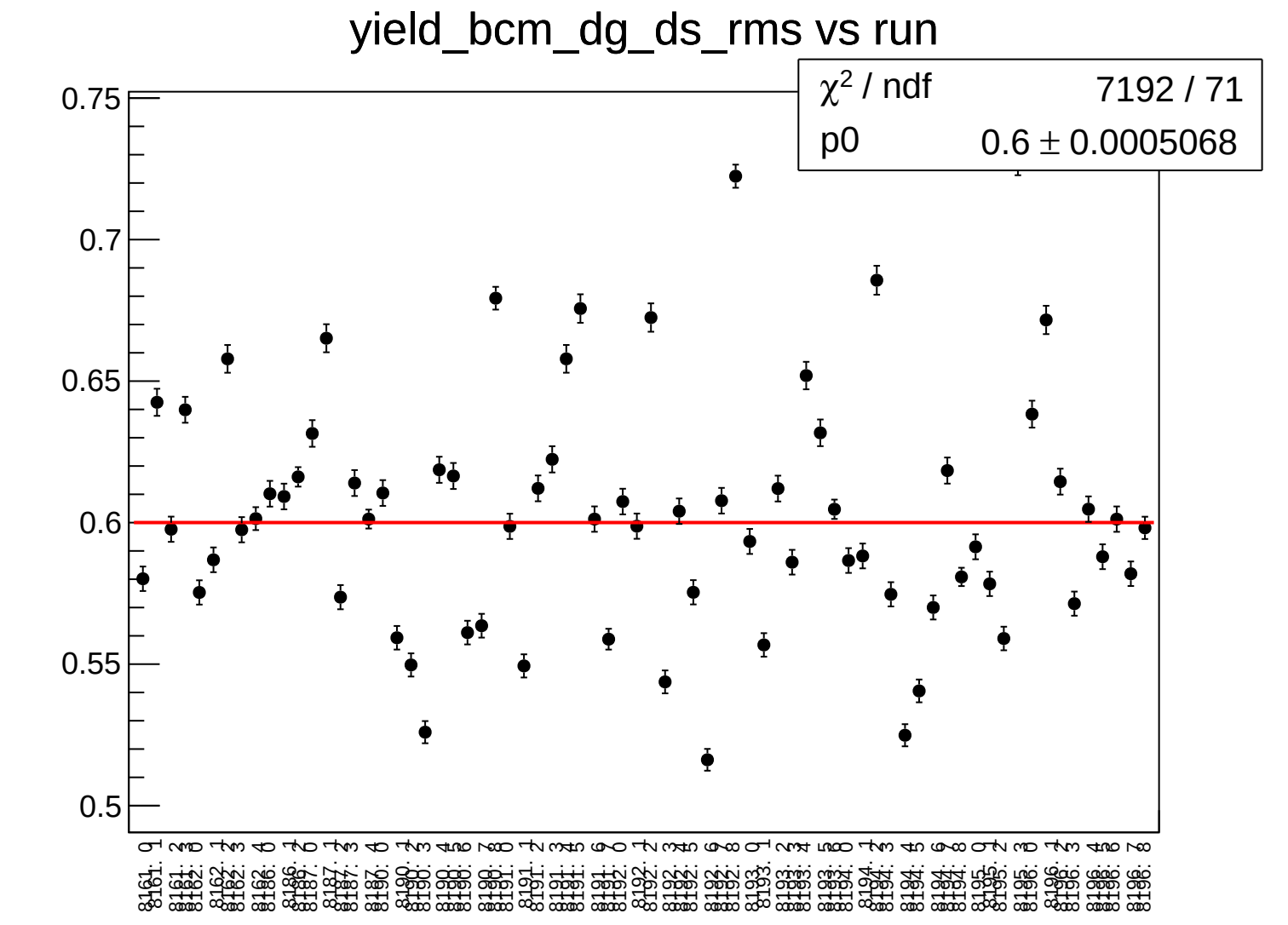

yield_bcm_an_us_rms vs run
χ² / ndf 4623 / 71
p0 0.5893 ± 0.0004973
0.7
0.65
0.6
0.55
0.5

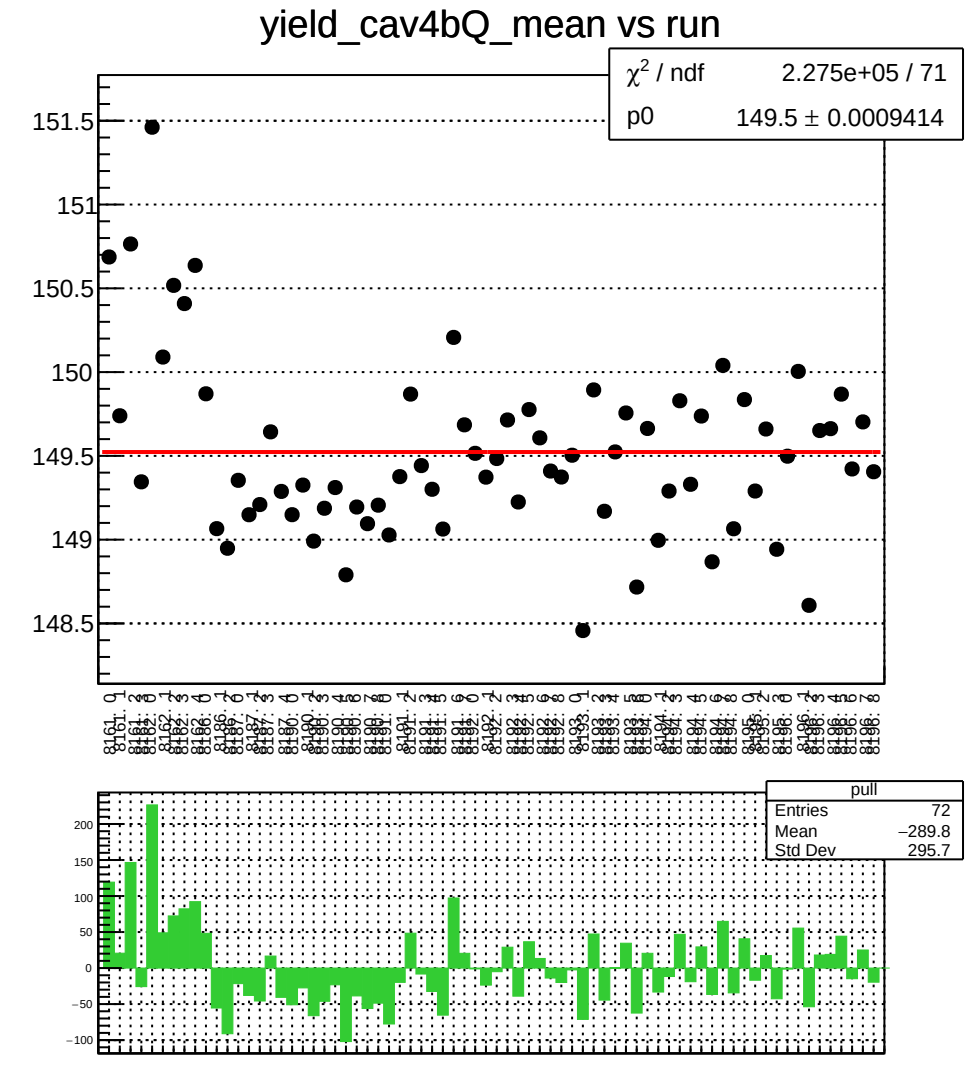

yield_bcm_dg_us_mean vs run
χ² / ndf 6.12e+05 / 71
p0 145.1± 0.0007087
146.5
146
145.5
145
144.5
144
pull
Entries 72
Mean −134.6
Std Dev 126.5
250
200
150
100
50
0
−50
−100
−150
−200

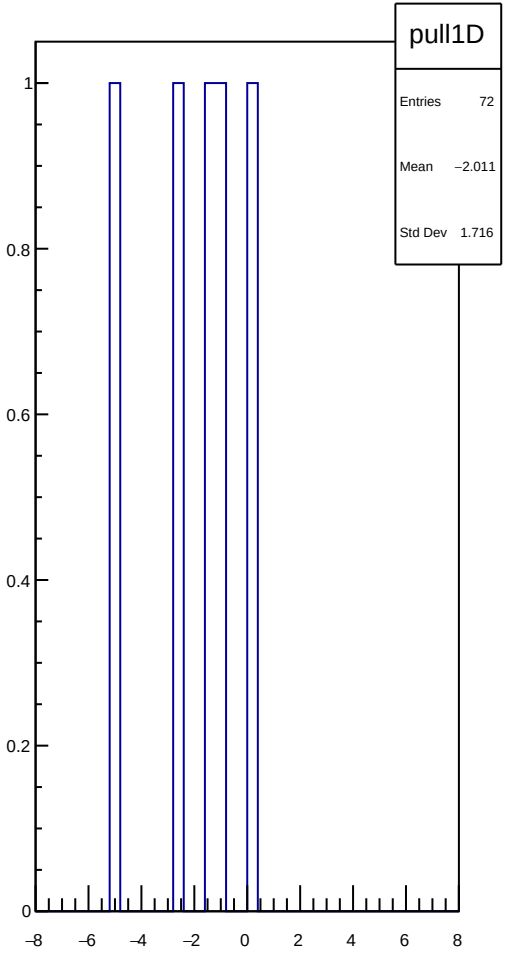

pull1D
Entries 72
Mean 2.434
Std Dev 4.094
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

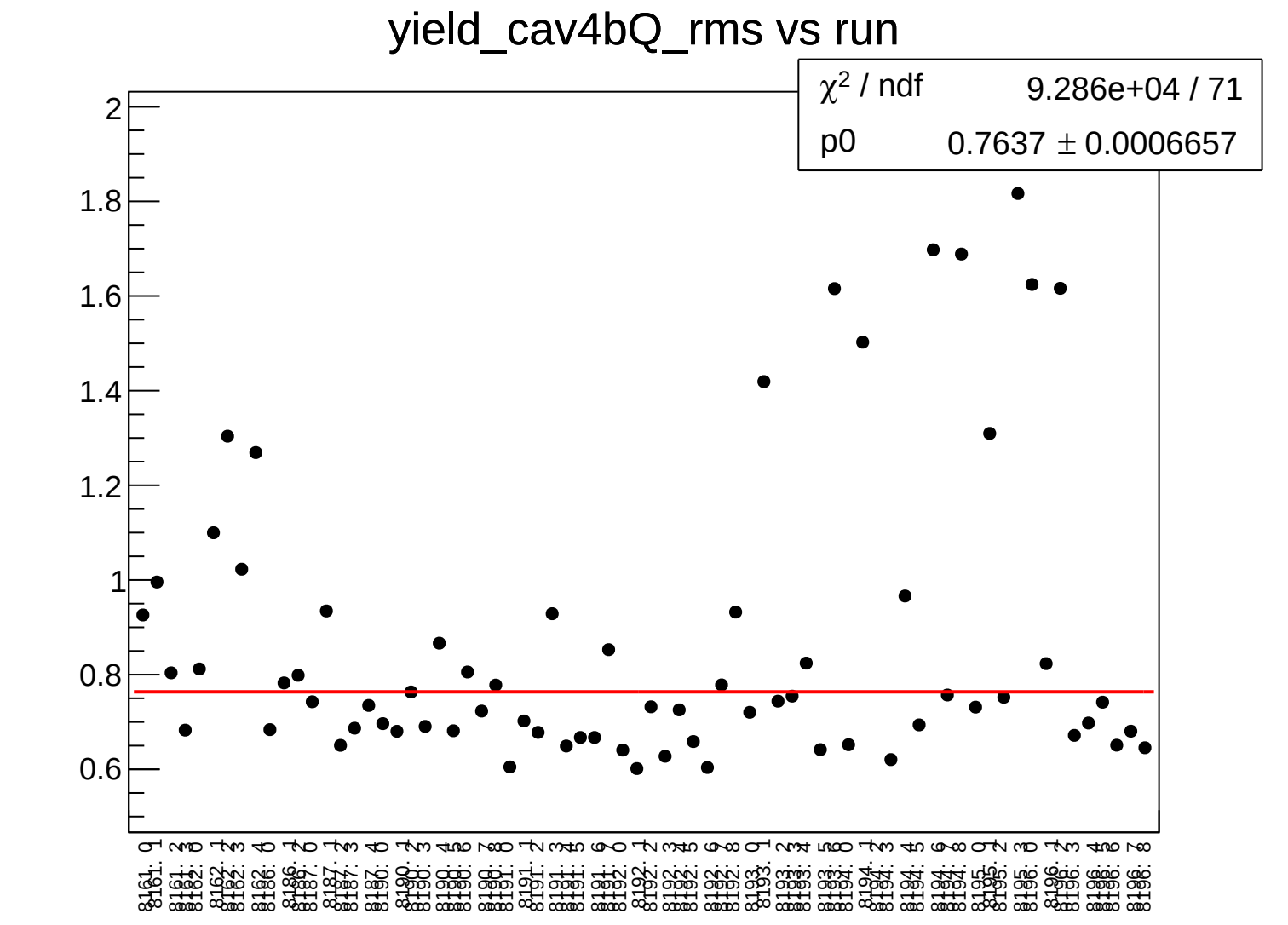

yield_bcm_dg_us_rms vs run
χ² / ndf 5748 / 71
p0 0.5936 ± 0.0005011
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
0.52
0.5

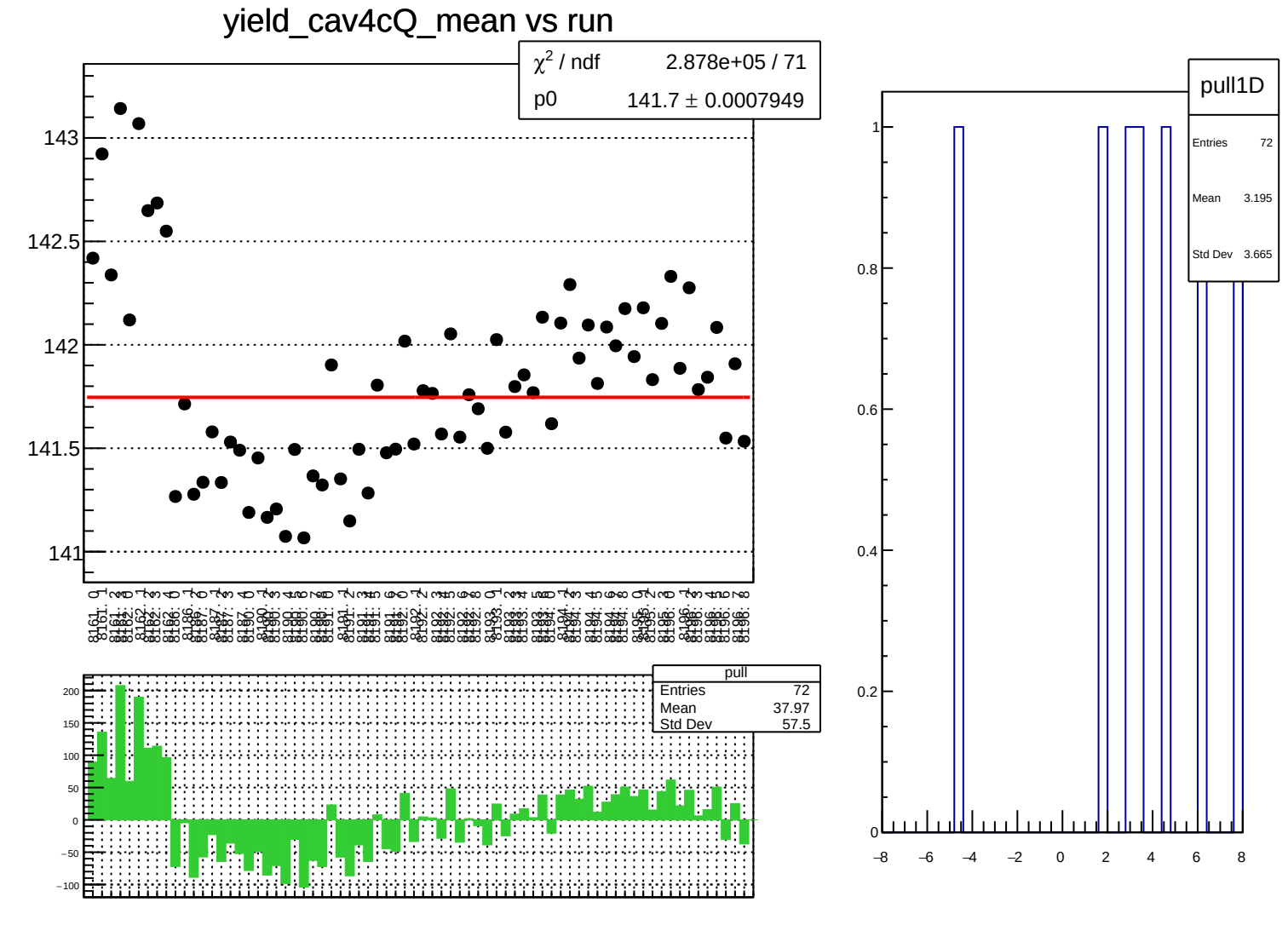

yield_bcm_dg_ds_mean vs run
χ² / ndf 7.909e+05 / 71
p0 145.1± 0.0007167
146.5
146
145.5
145
144.5
144
143.5
pull
Entries 72
Mean −1576
Std Dev 1580
200
100
0
−100
−200
pull1D
Entries 72
Mean −0.3982
Std Dev 0.7681
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

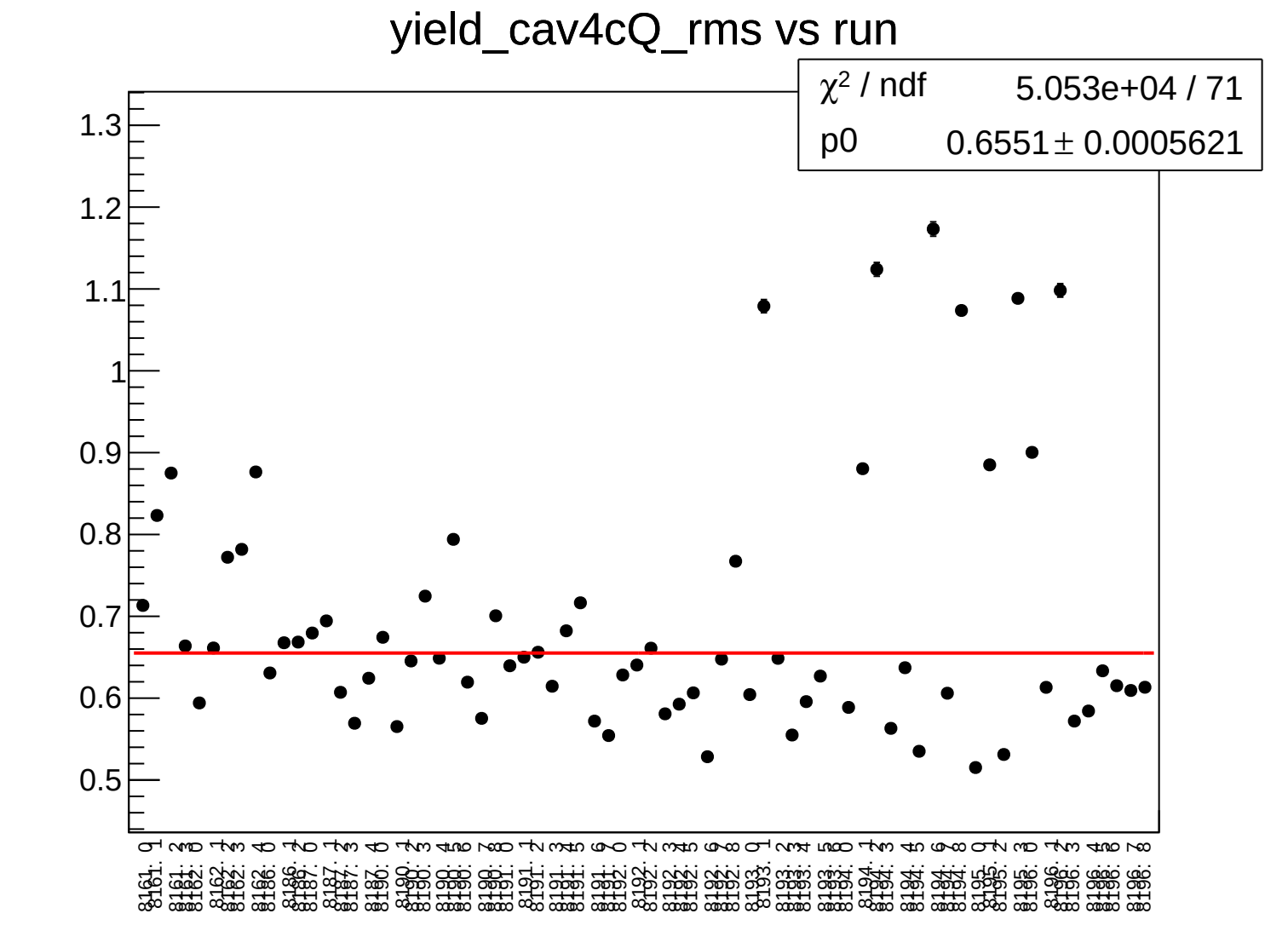

yield_bcm_dg_ds_rms vs run
χ² / ndf 7192 / 71
p0 0.6 ± 0.0005068
0.75
0.7
0.65
0.6
0.55
0.5

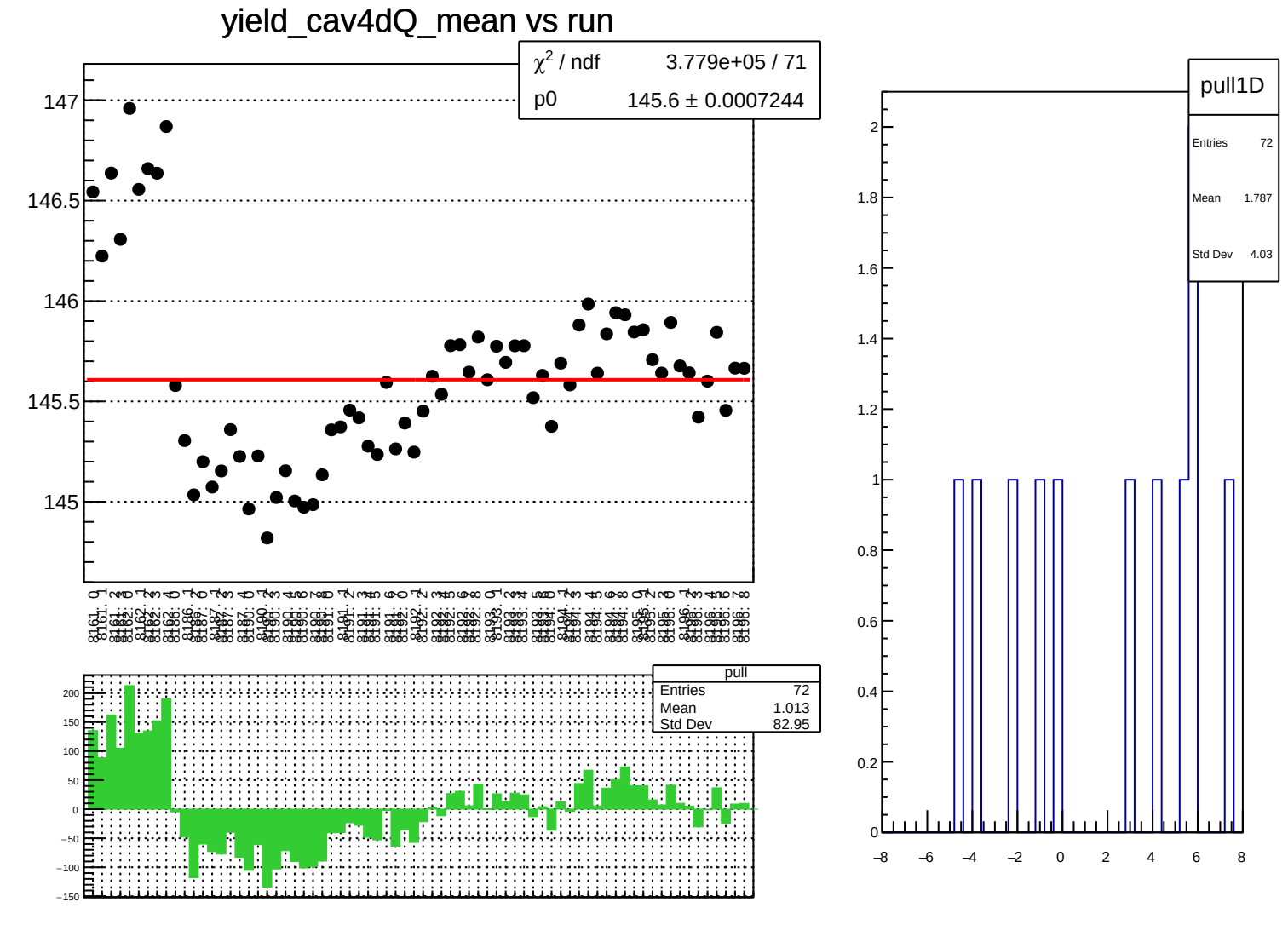

yield_cav4bQ_mean vs run
χ² / ndf 2.275e+05 / 71
p0 149.5 ± 0.0009414
151.5
151
150.5
150
149.5
149
148.5
pull
Entries 72
Mean −289.8
Std Dev 295.7
200
150
100
50
0
−50
−100

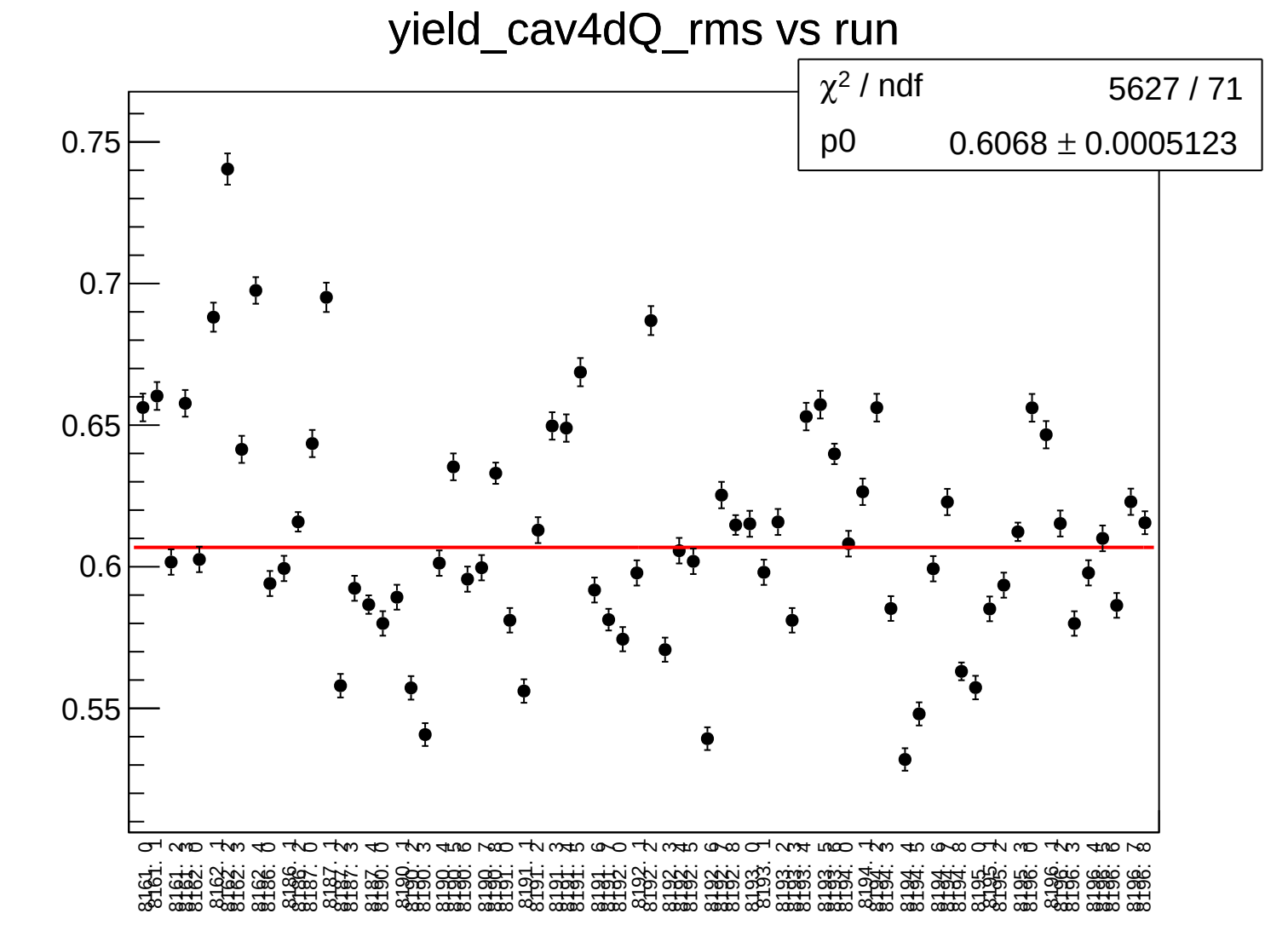

pull1D
Entries 72
Mean −2.011
Std Dev 1.716
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

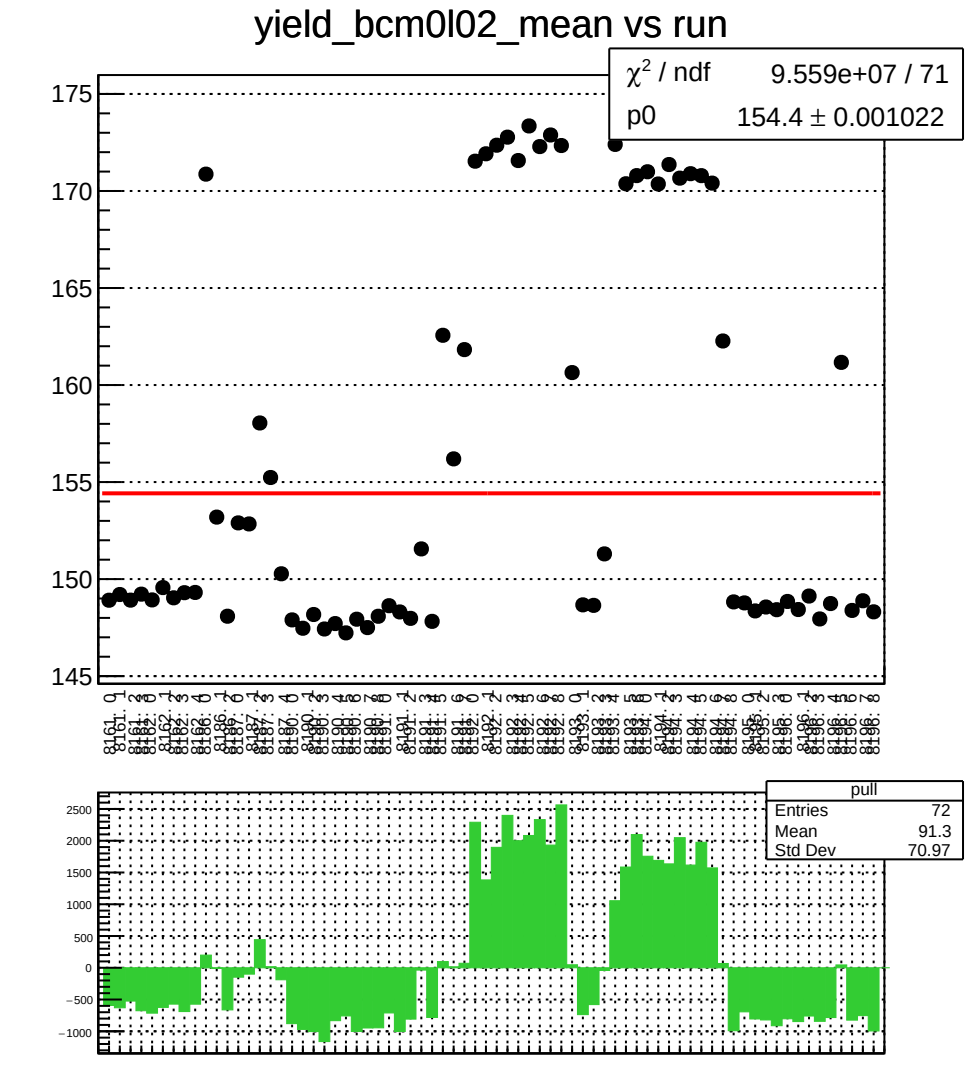

yield_cav4bQ_rms vs run
χ^2 / ndf 9.286e+04 / 71
p0 0.7637 ± 0.0006657
2
1.8
1.6
1.4
1.2
1
0.8
0.6

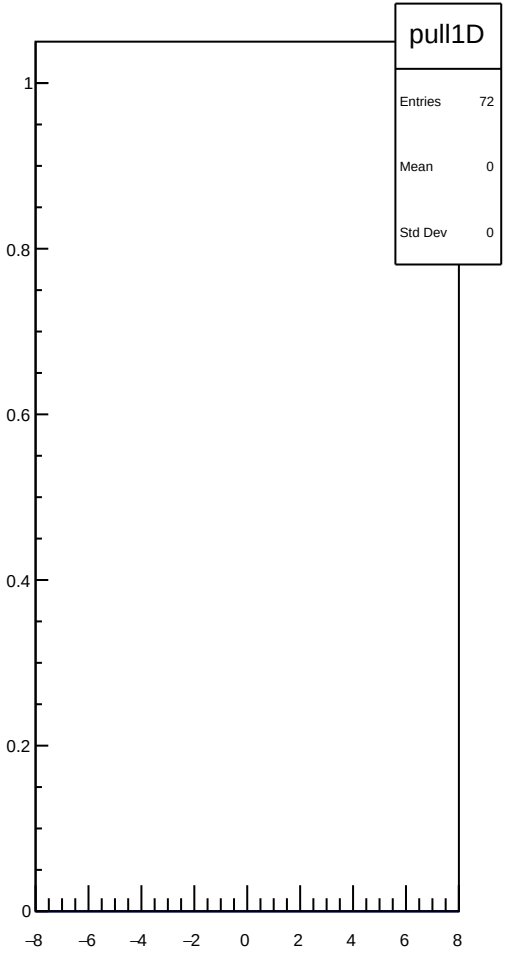

yield_cav4cQ_mean vs run
χ² / ndf 2.878e+05 / 71
p0 141.7 ± 0.0007949
143
142.5
142
141.5
141
pull
Entries 72
Mean 37.97
Std Dev 57.5
200
150
100
50
0
−50
−100
pull1D
Entries 72
Mean 3.195
Std Dev 3.665
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

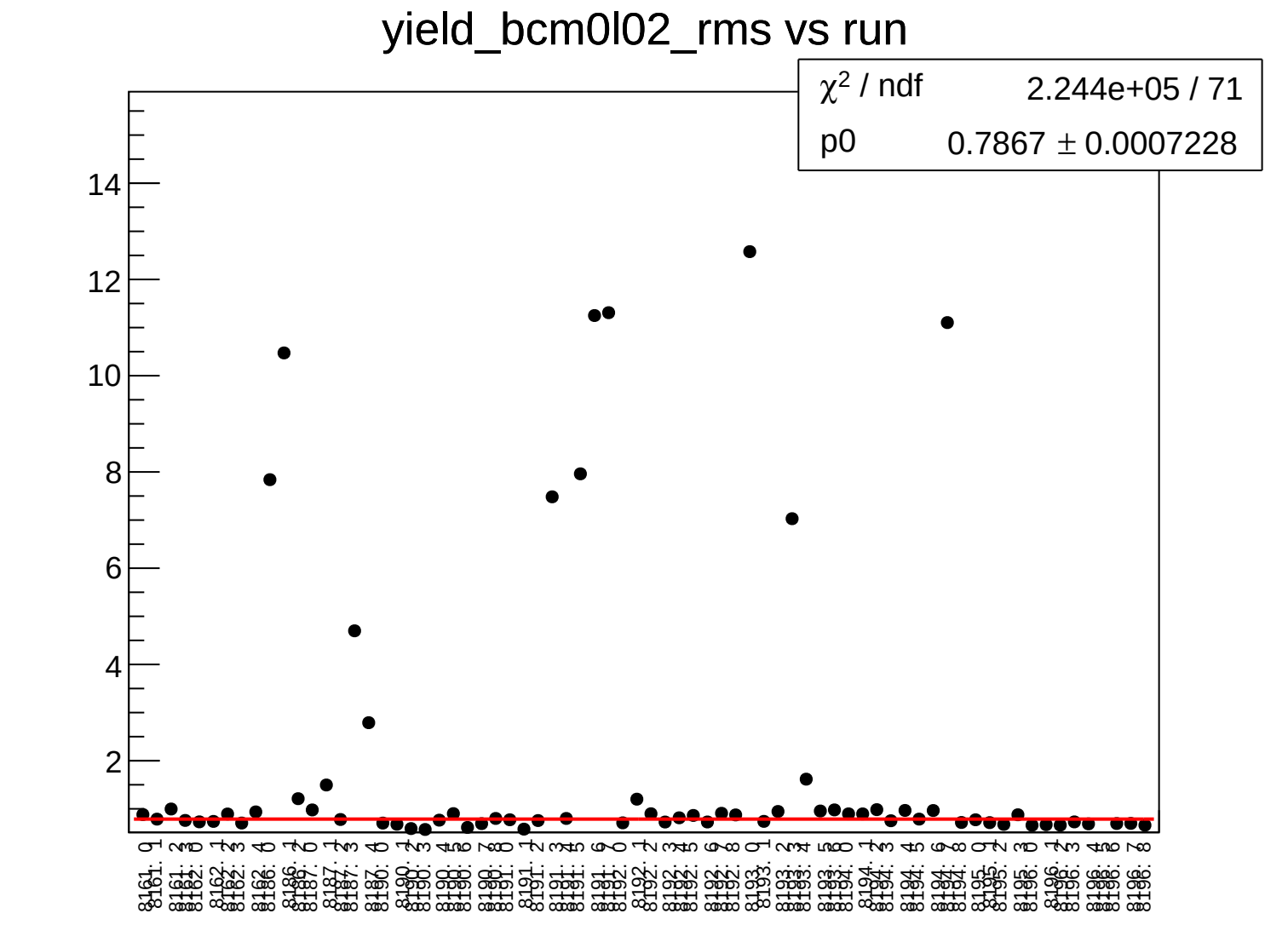

yield_cav4cQ_rms vs run
χ² / ndf 5.053e+04 / 71
p0 0.6551 ± 0.0005621
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5

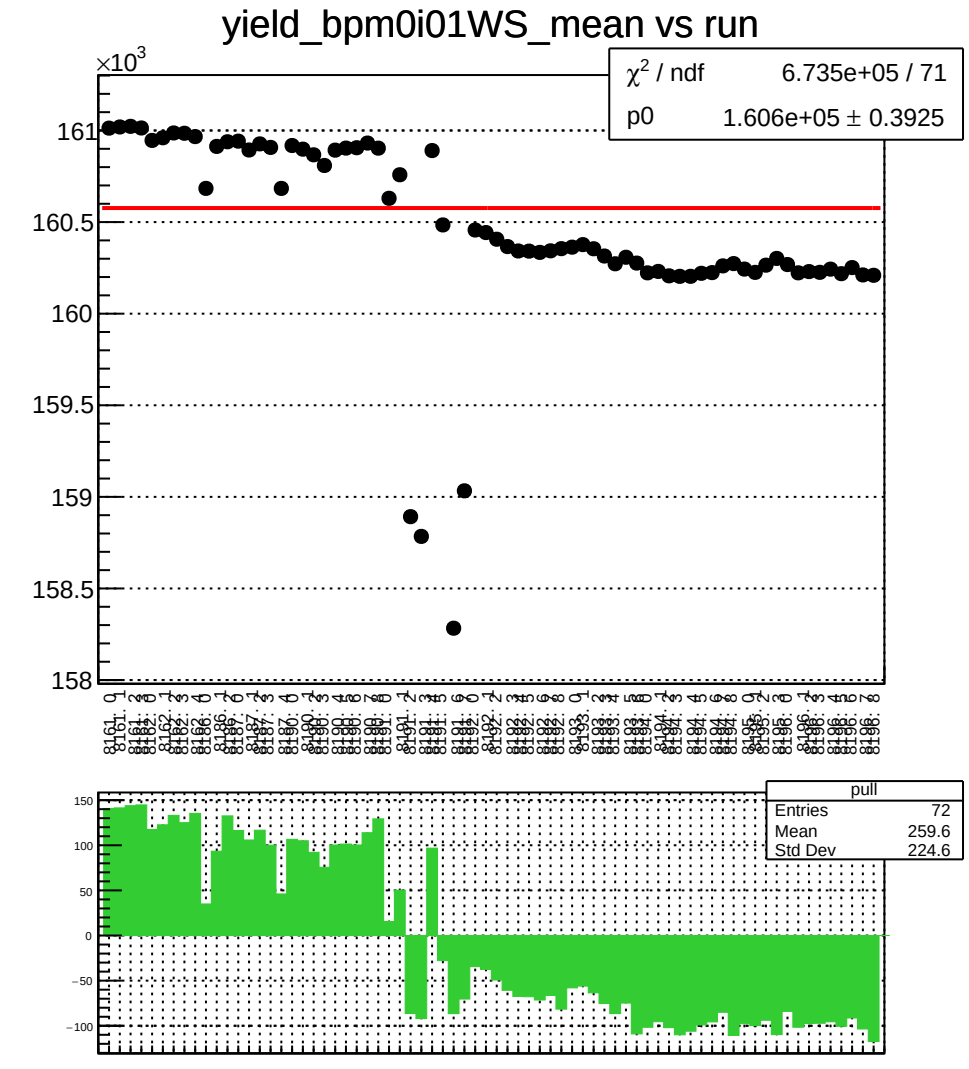

yield_cav4dQ_mean vs run
χ² / ndf 3.779e+05 / 71
p0 145.6 ± 0.0007244
147
146.5
146
145.5
145
pull
Entries 72
Mean 1.013
Std Dev 82.95
200
150
100
50
0
−50
−100
−150
pull1D
Entries 72
Mean 1.787
Std Dev 4.03
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

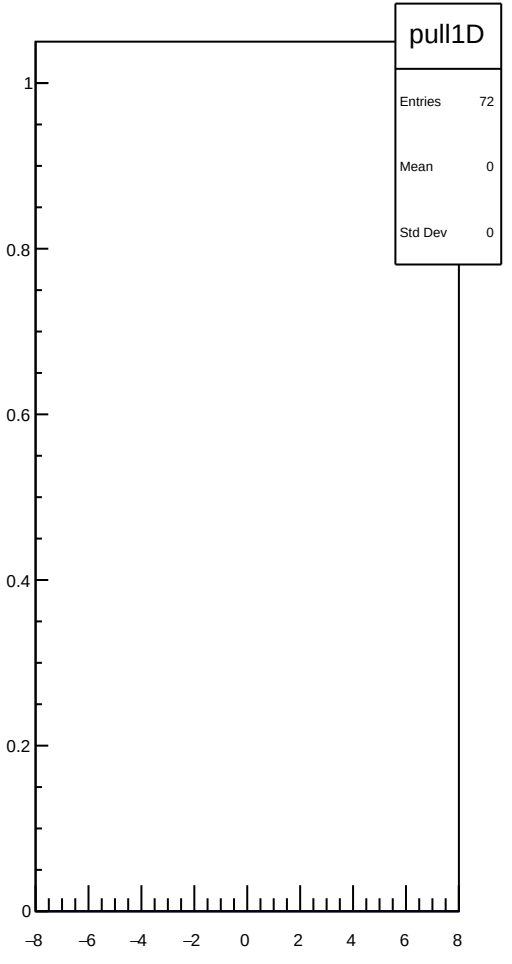

yield_cav4dQ_rms vs run
χ² / ndf 5627 / 71
p0 0.6068 ± 0.0005123
0.75
0.7
0.65
0.6
0.55

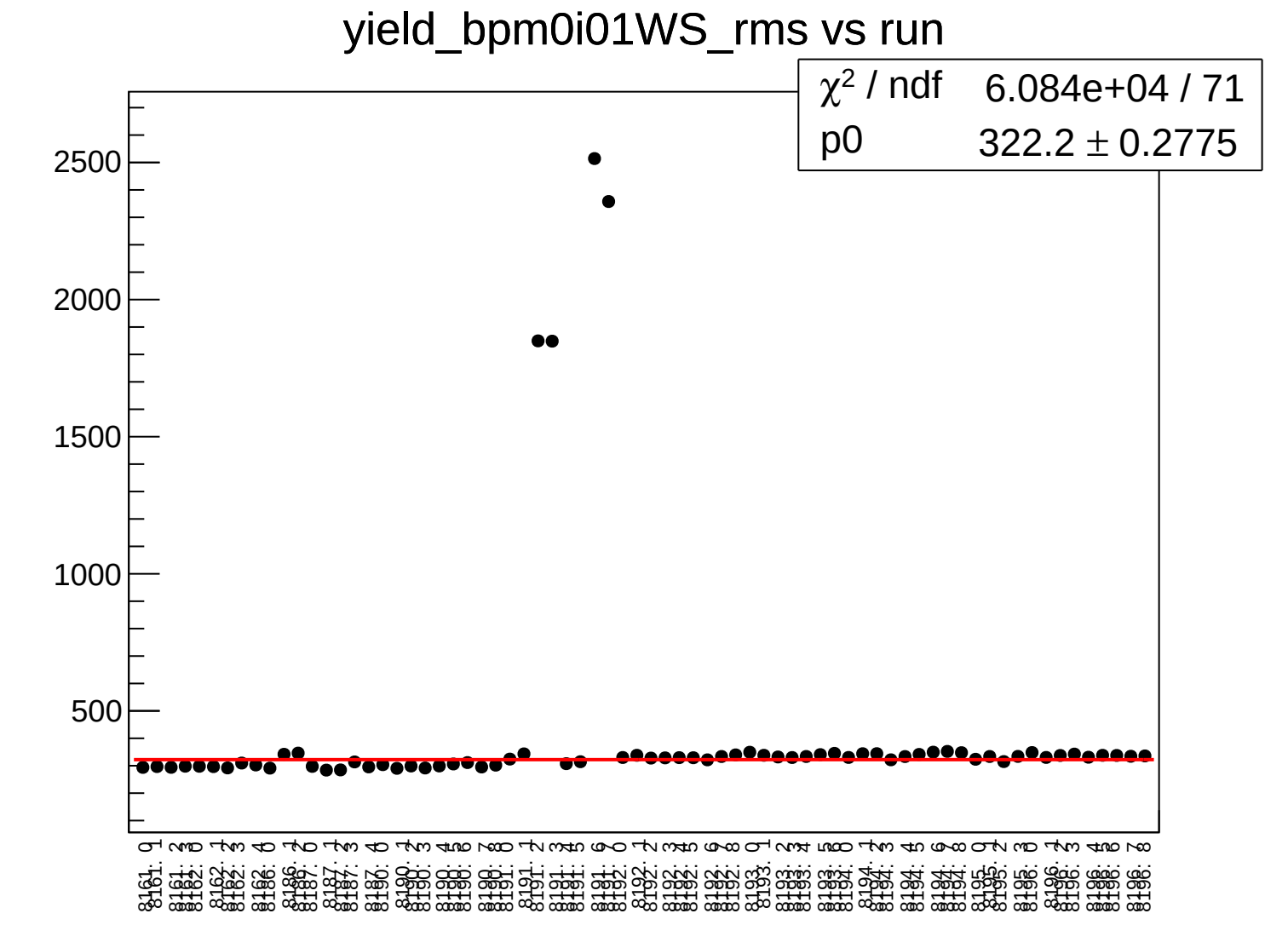

yield_bcm0l02_mean vs run
χ² / ndf 9.559e+07 / 71
p0 154.4 ± 0.001022
pull
Entries 72
Mean 91.3
Std Dev 70.97

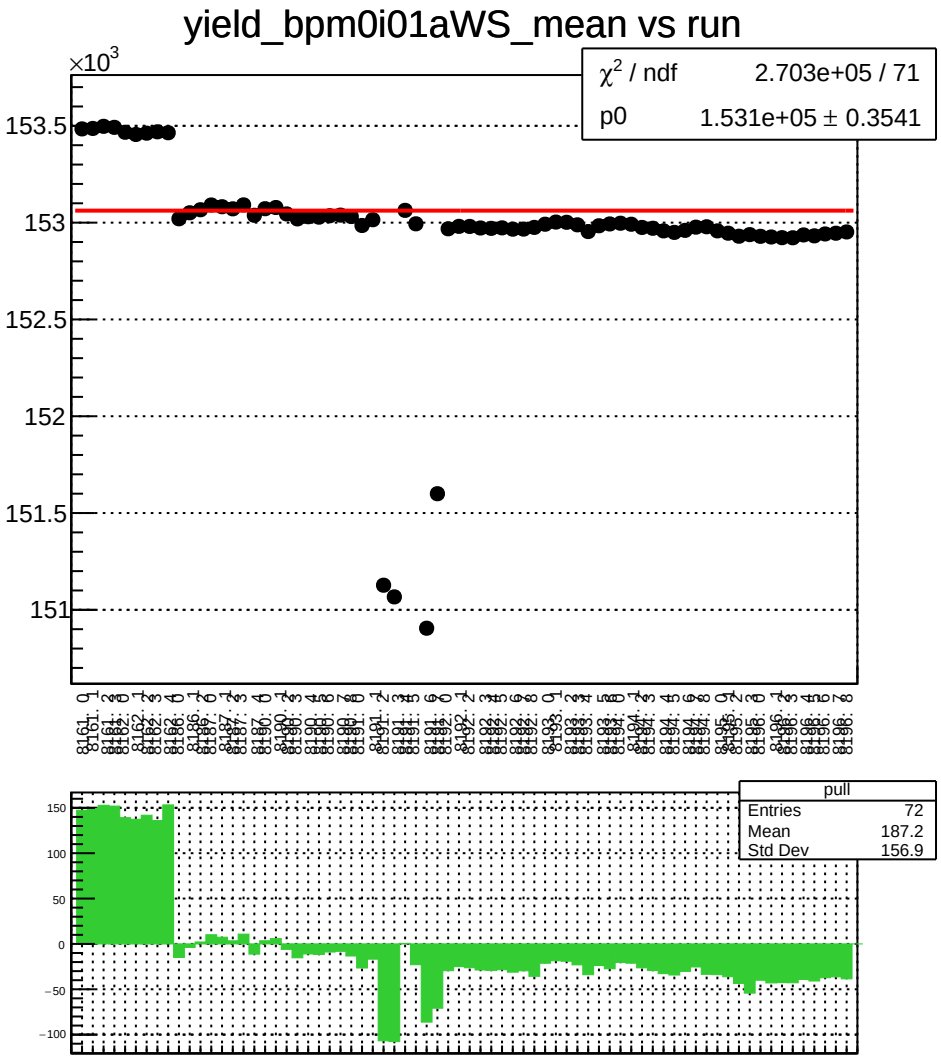

pull1D
Entries 72
Mean 0
Std Dev 0

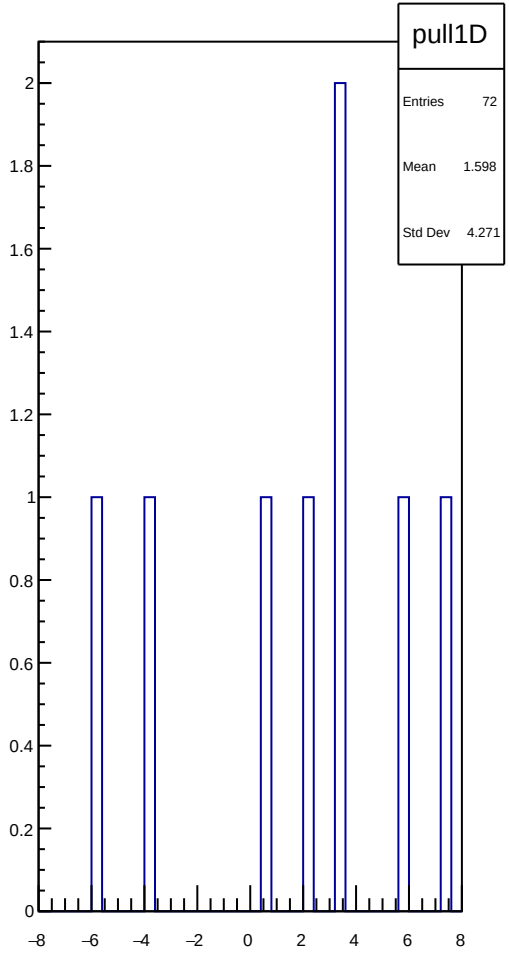

yield_bcm0l02_rms vs run
χ² / ndf 2.244e+05 / 71
p0 0.7867 ± 0.0007228
14
12
10
8
6
4
2

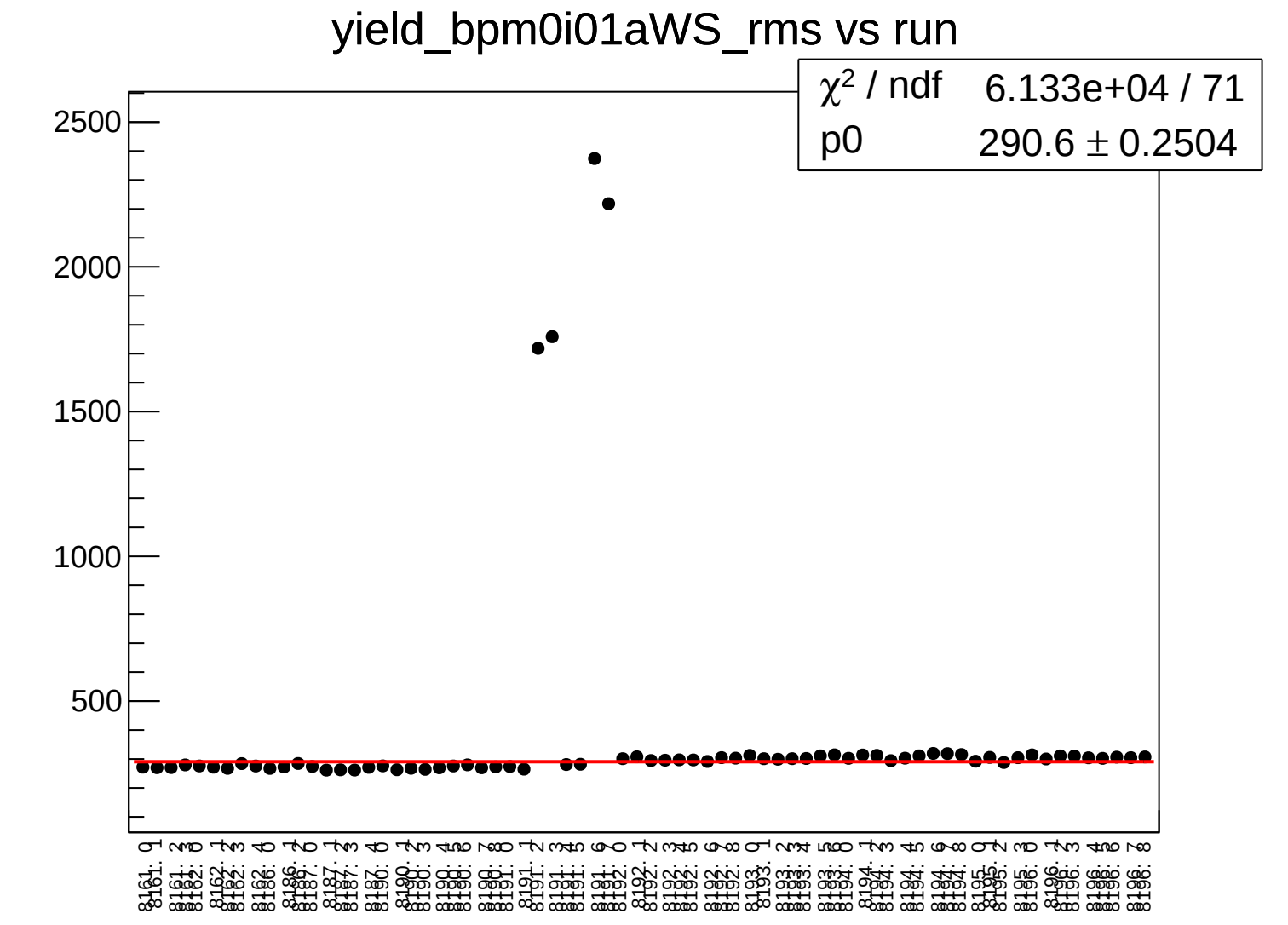

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 6.735e+05 / 71
p0 1.606e+05 ± 0.3925
161
160.5
160
159.5
159
158.5
158
pull
Entries 72
Mean 259.6
Std Dev 224.6
150
100
50
0
−50
−100

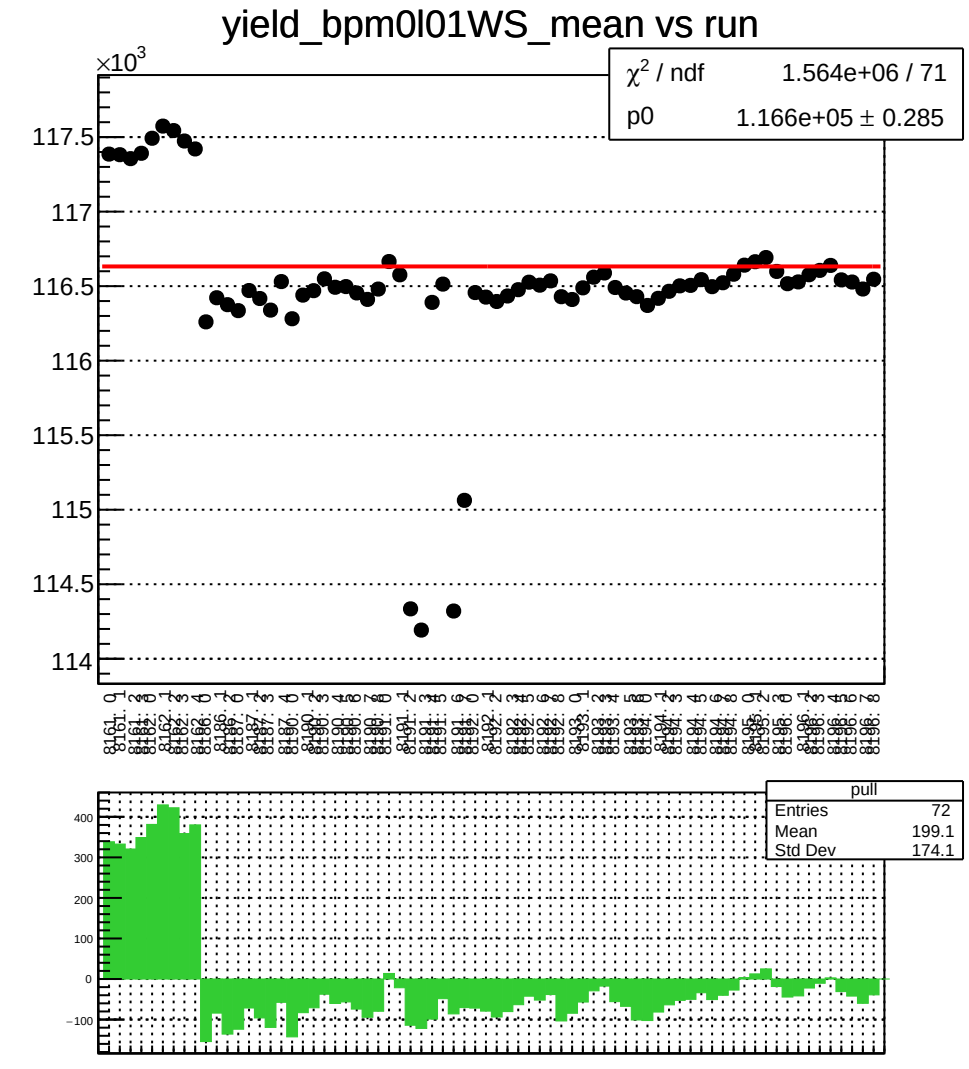

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

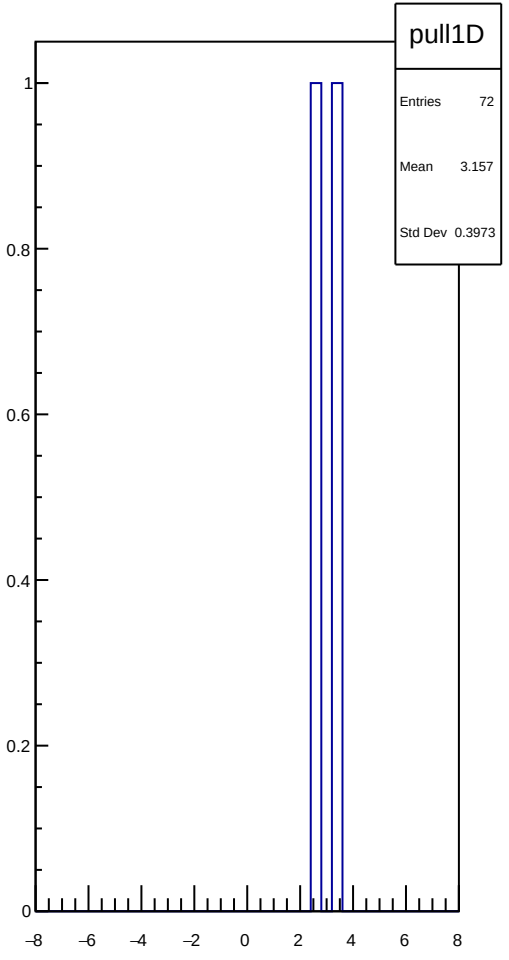

yield_bpm0i01WS_rms vs run
χ² / ndf 6.084e+04 / 71
p0 322.2 ± 0.2775
2500
2000
1500
1000
500

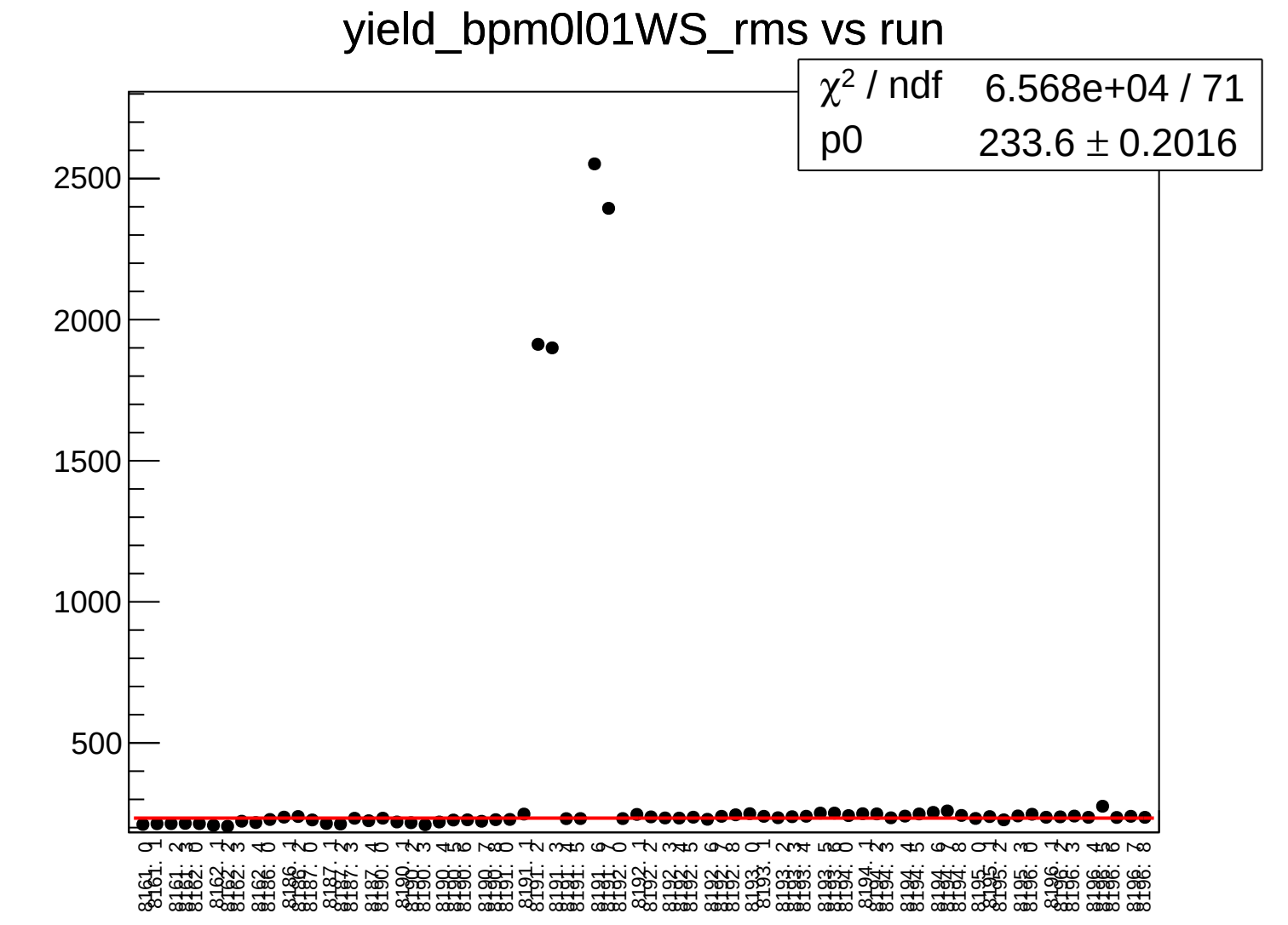

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 2.703e+05 / 71
p0 1.531e+05 ± 0.3541
153.5
153
152.5
152
151.5
151
pull
Entries 72
Mean 187.2
Std Dev 156.9
150
100
50
0
−50
−100

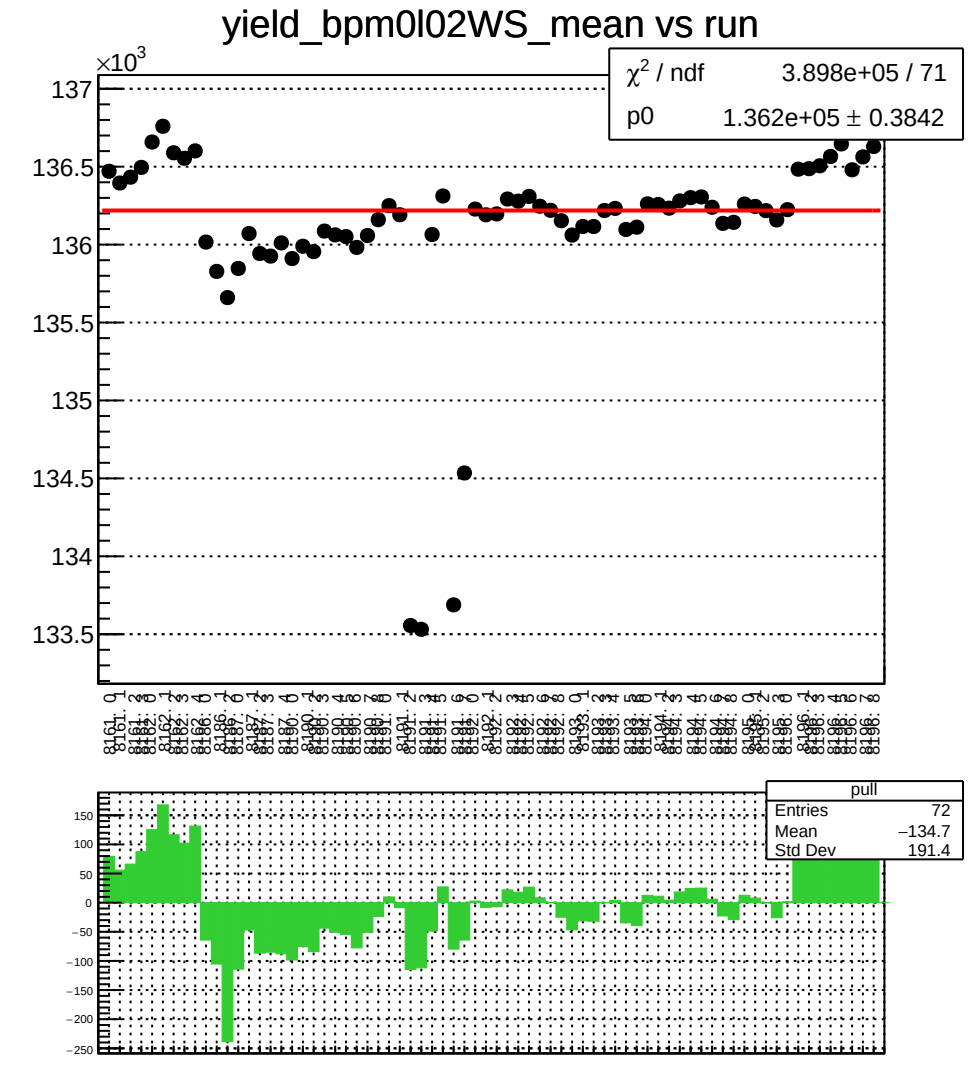

pull1D
Entries 72
Mean 1.598
Std Dev 4.271
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

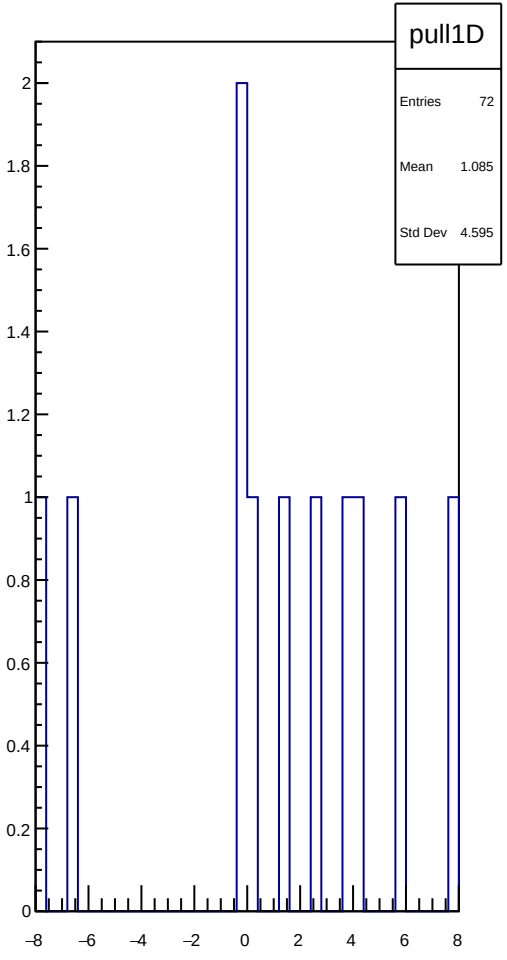

yield_bpm0i01aWS_rms vs run
χ² / ndf 6.133e+04 / 71
p0 290.6 ± 0.2504
2500
2000
1500
1000
500

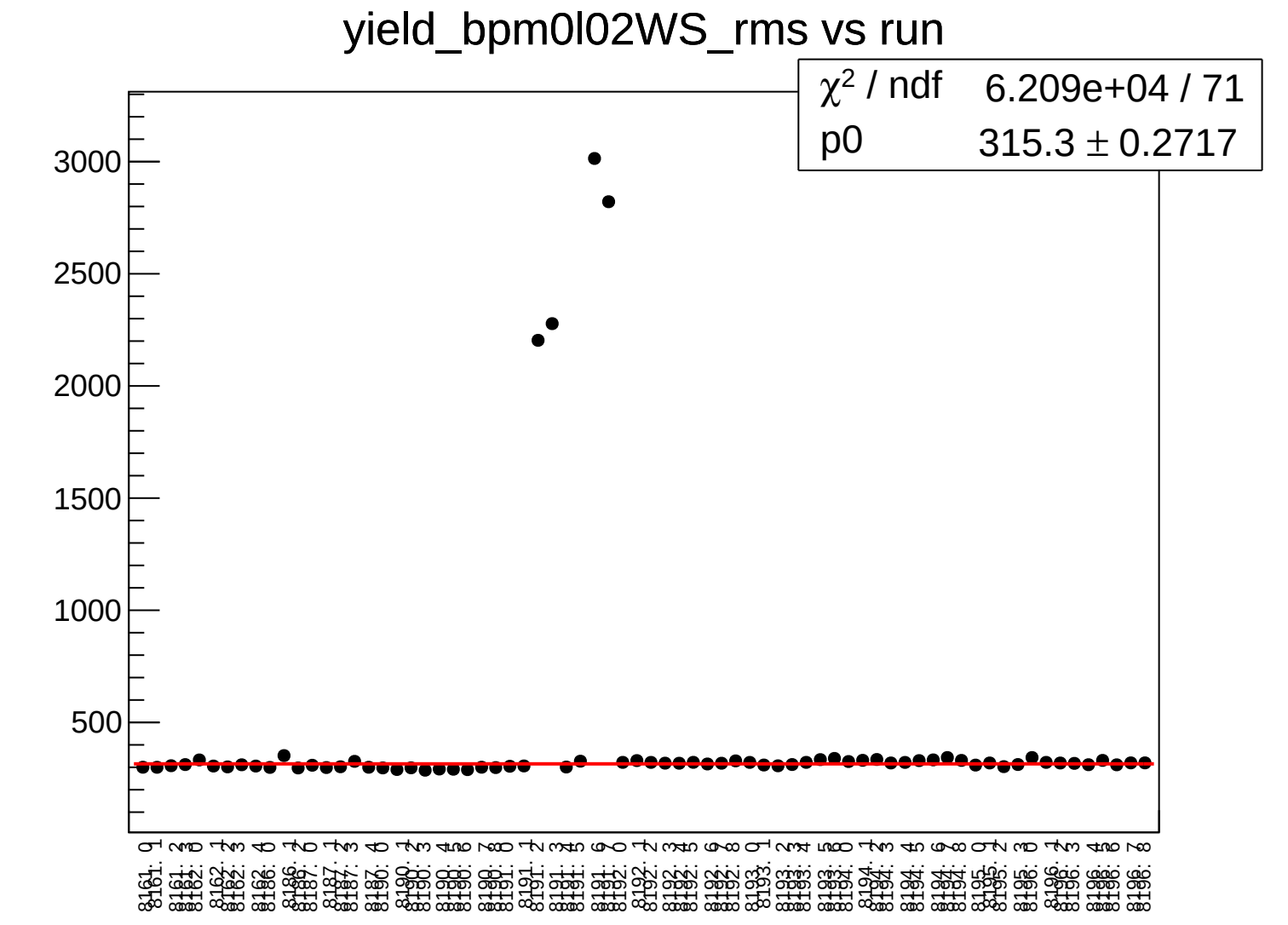

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 1.564e+06 / 71
p0 1.166e+05 ± 0.285
117.5
117
116.5
116
115.5
115
114.5
114
pull
Entries 72
Mean 199.1
Std Dev 174.1
400
300
200
100
0
−100

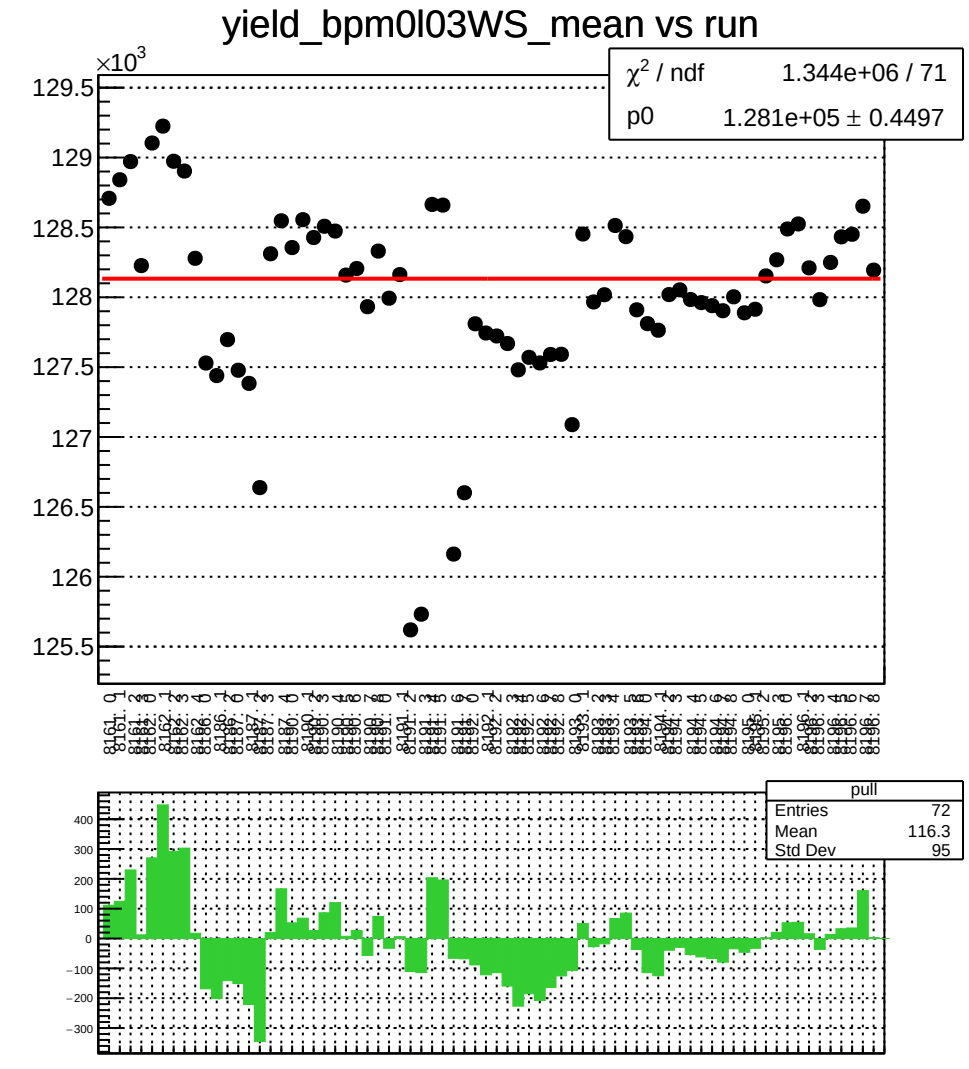

pull1D
Entries 72
Mean 3.157
Std Dev 0.3973
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

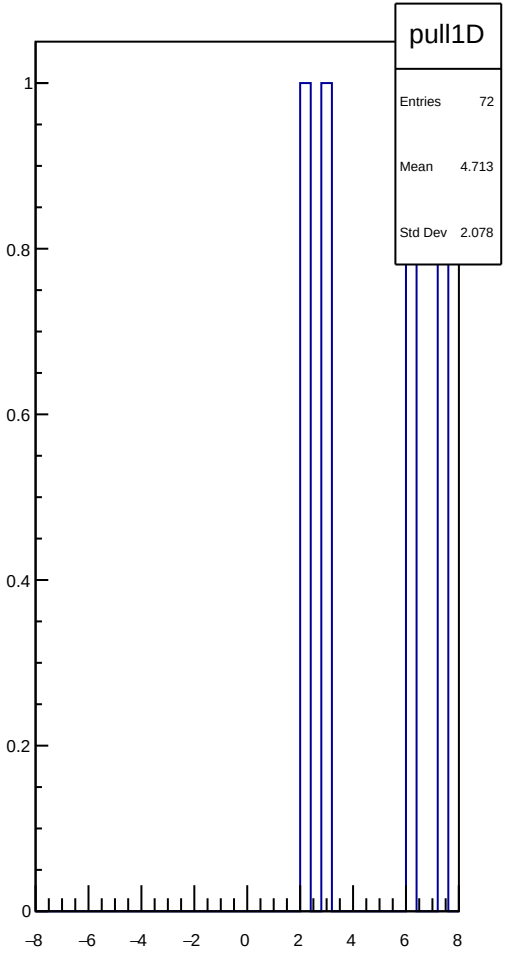

yield_bpm0l01WS_rms vs run
χ² / ndf 6.568e+04 / 71
p0 233.6 ± 0.2016
2500
2000
1500
1000
500

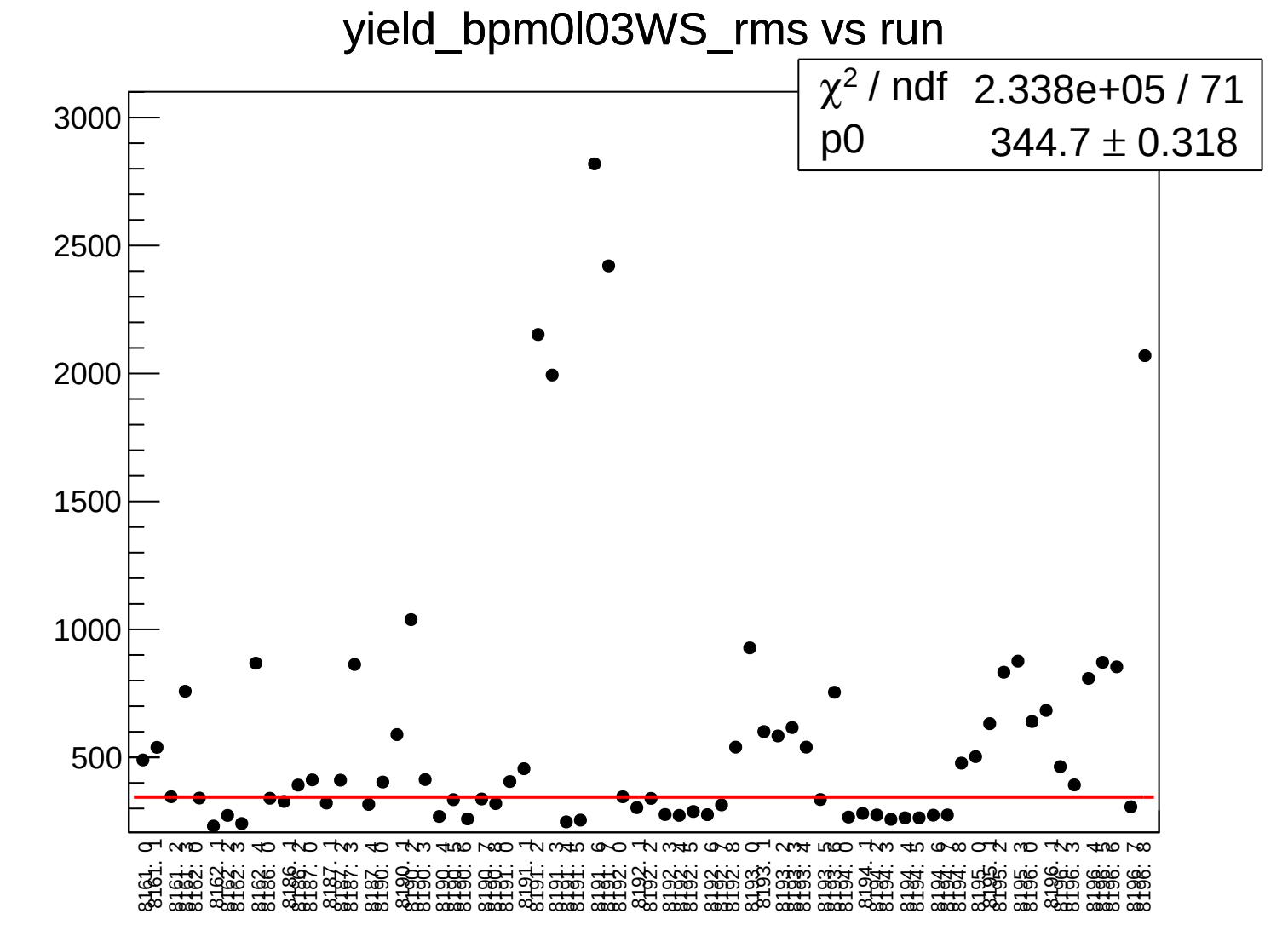

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 3.898e+05 / 71
p0 1.362e+05 ± 0.3842
137
136.5
136
135.5
135
134.5
134
133.5
pull
Entries 72
Mean −134.7
Std Dev 191.4
150
100
50
0
−50
−100
−150
−200
−250

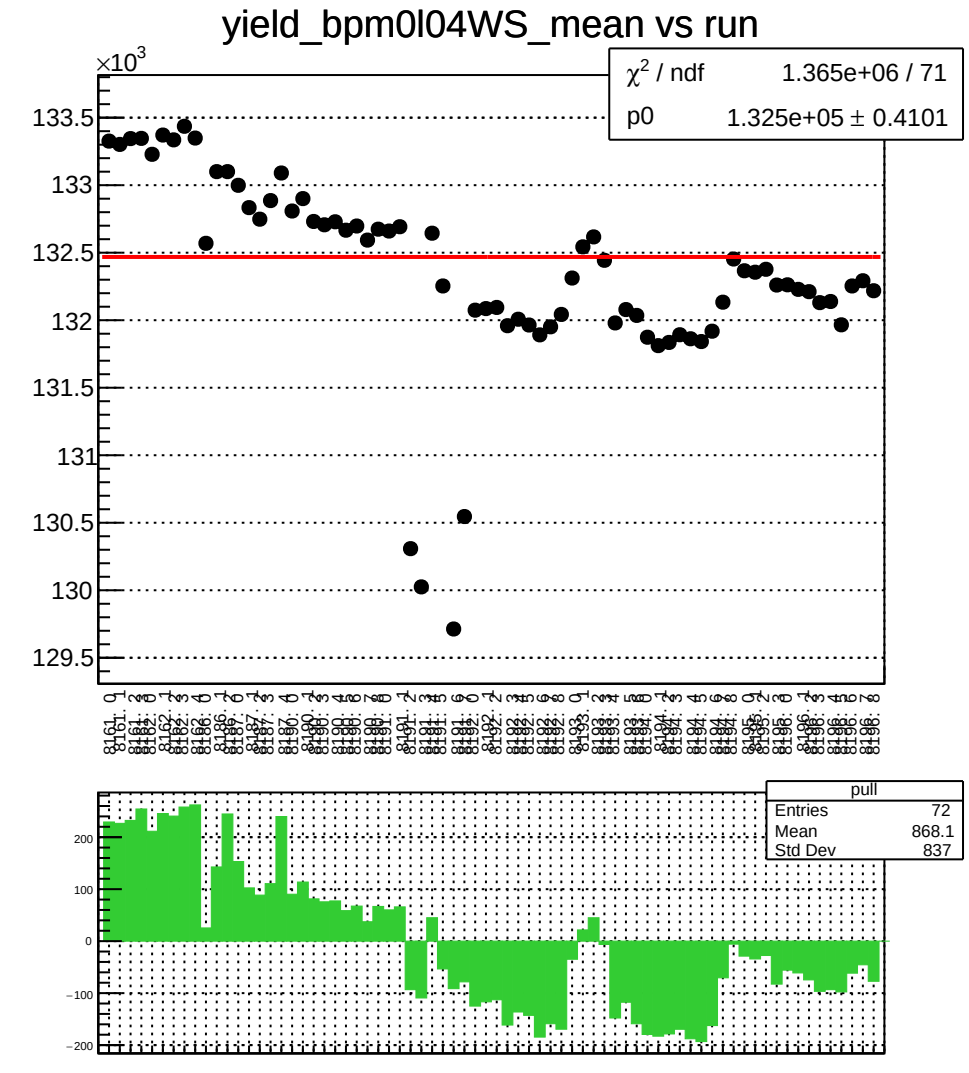

pull1D
Entries 72
Mean 1.085
Std Dev 4.595
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

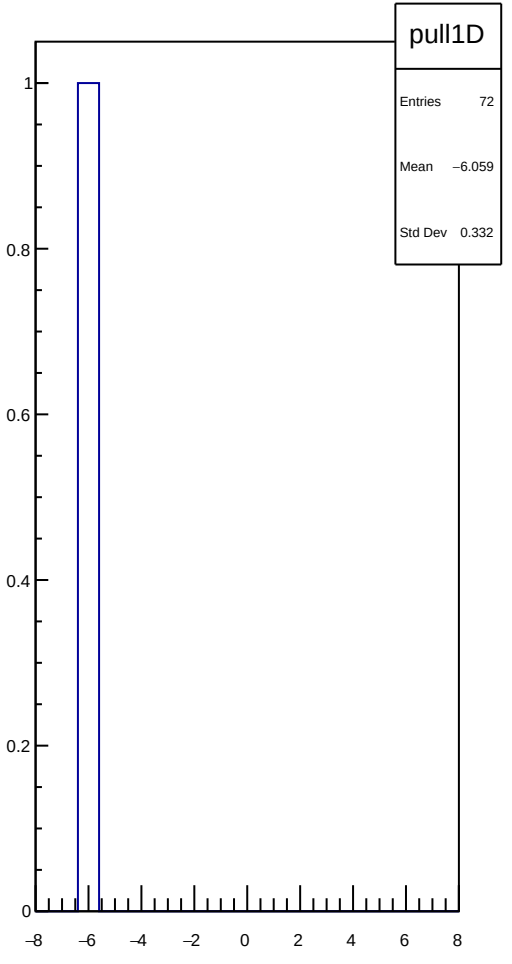

yield_bpm0l02WS_rms vs run
χ² / ndf 6.209e+04 / 71
p0 315.3 ± 0.2717
3000
2500
2000
1500
1000
500

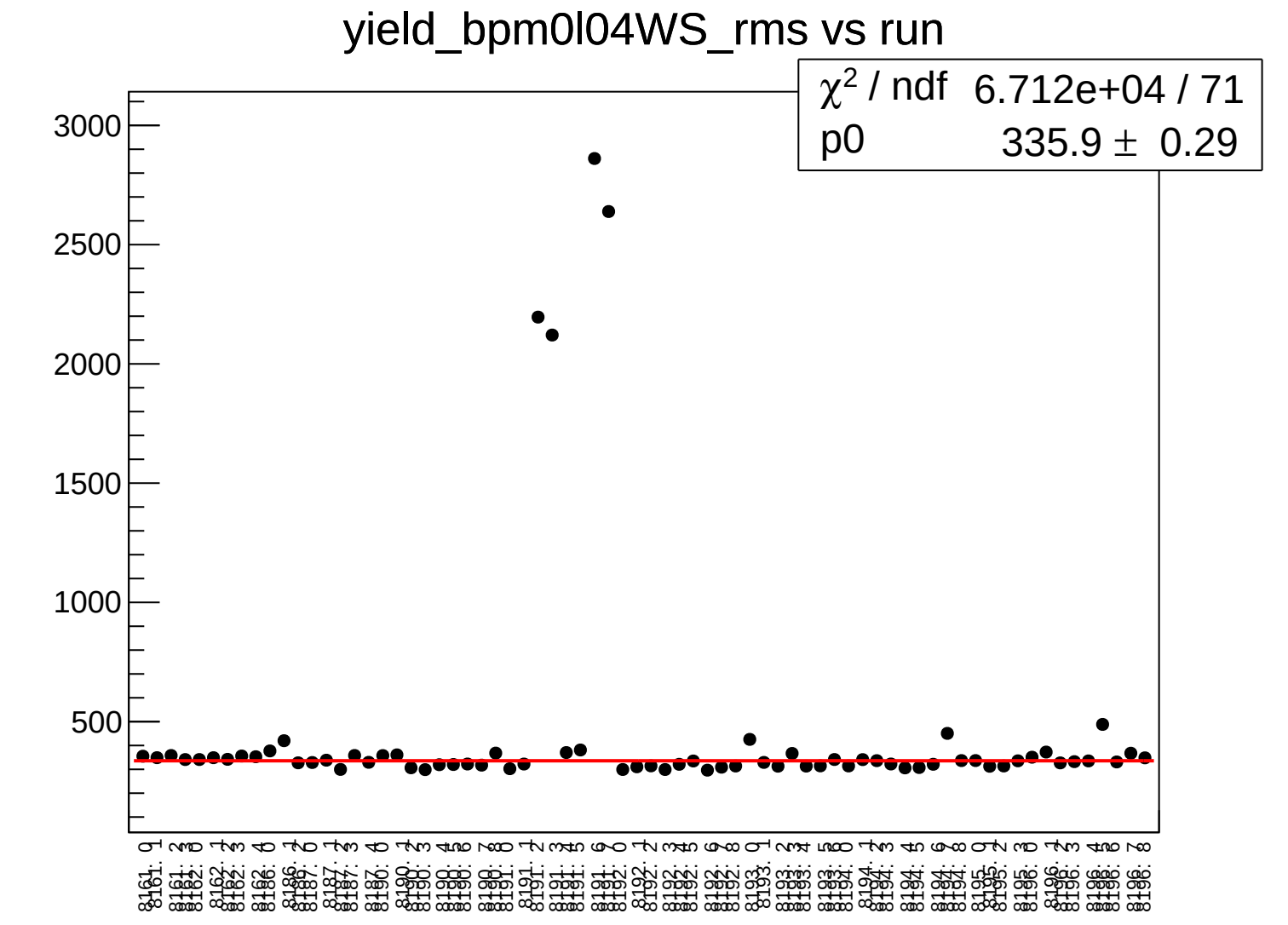

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 1.344e+06 / 71
p0 1.281e+05 ± 0.4497
129.5
129
128.5
128
127.5
127
126.5
126
125.5
pull
Entries 72
Mean 116.3
Std Dev 95
400
300
200
100
0
−100
−200
−300

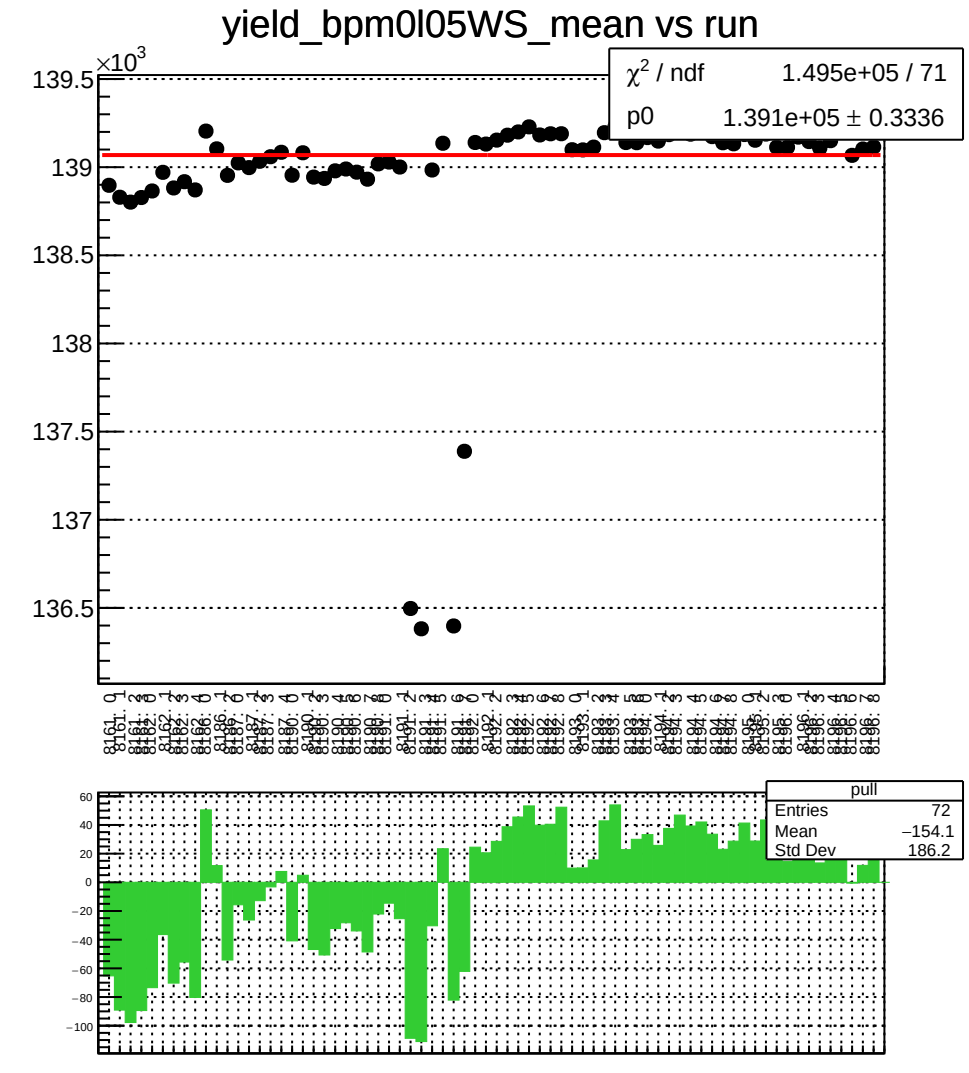

pull1D
Entries 72
Mean 4.713
Std Dev 2.078
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

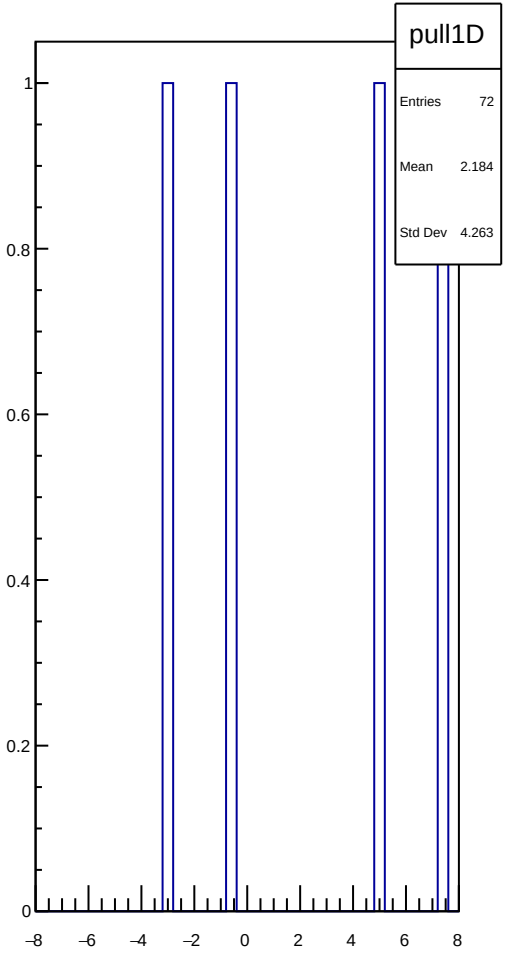

yield_bpm0l03WS_rms vs run
χ^2 / ndf 2.338e+05 / 71
p0 344.7 ± 0.318
3000
2500
2000
1500
1000
500

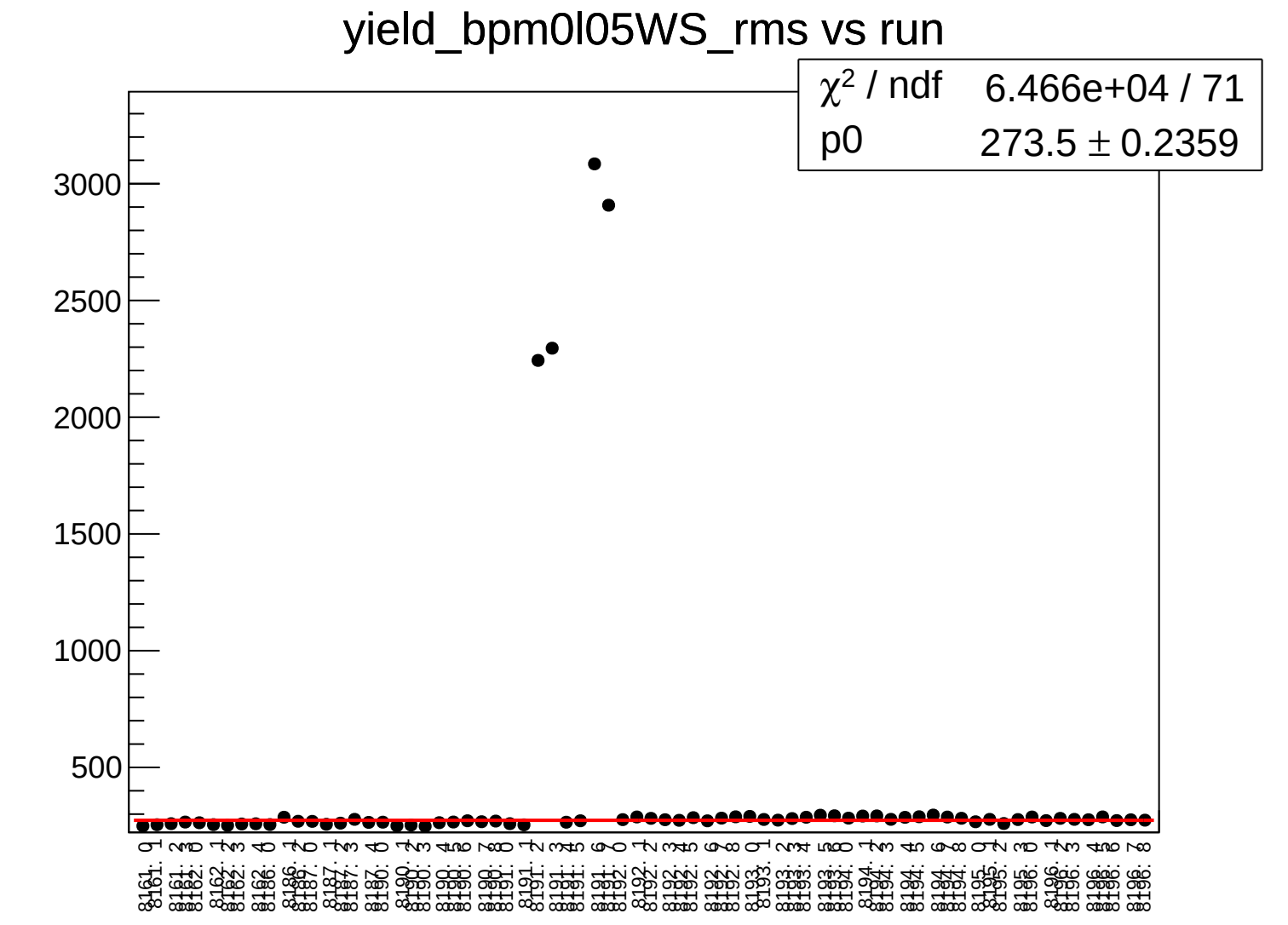

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 1.365e+06 / 71
p0 1.325e+05 ± 0.4101
133.5
133
132.5
132
131.5
131
130.5
130
129.5
pull
Entries 72
Mean 868.1
Std Dev 837
200
100
0
−100
−200

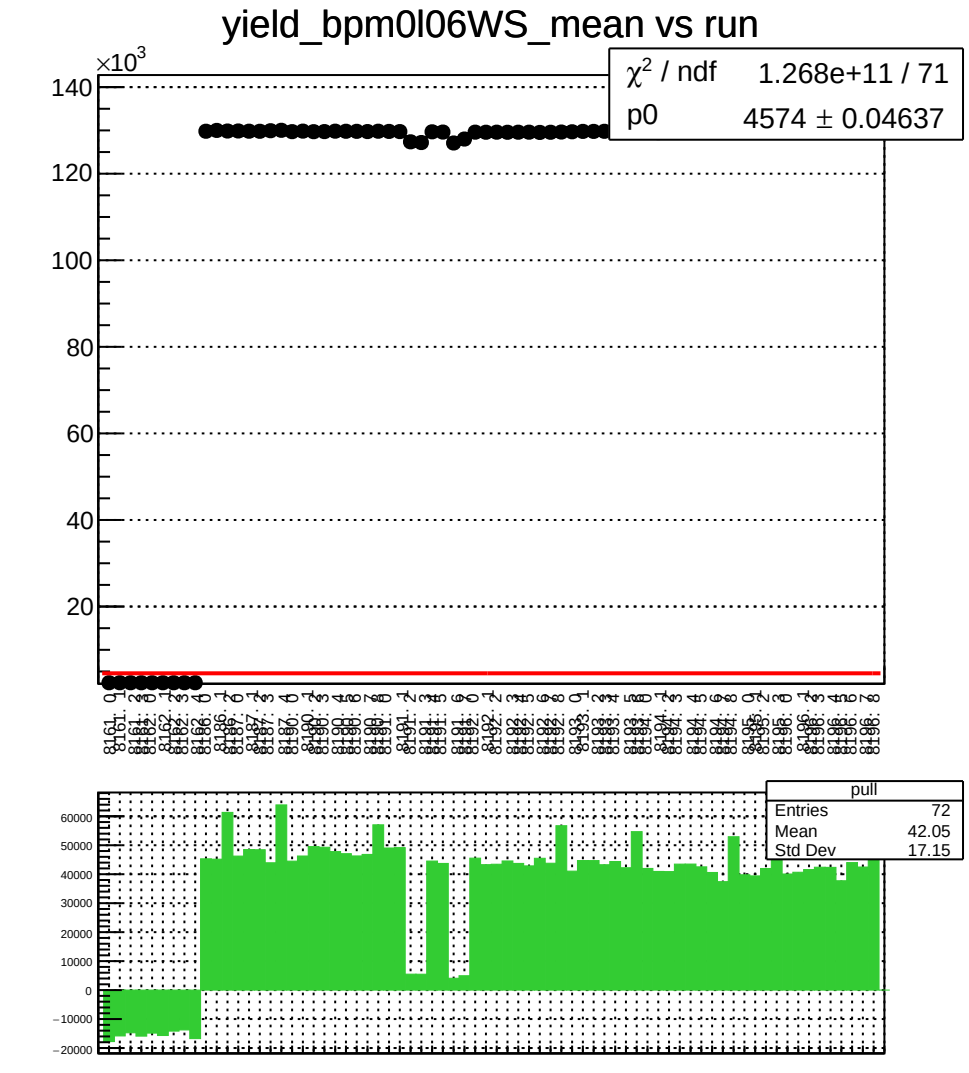

pull1D
Entries 72
Mean −6.059
Std Dev 0.332
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

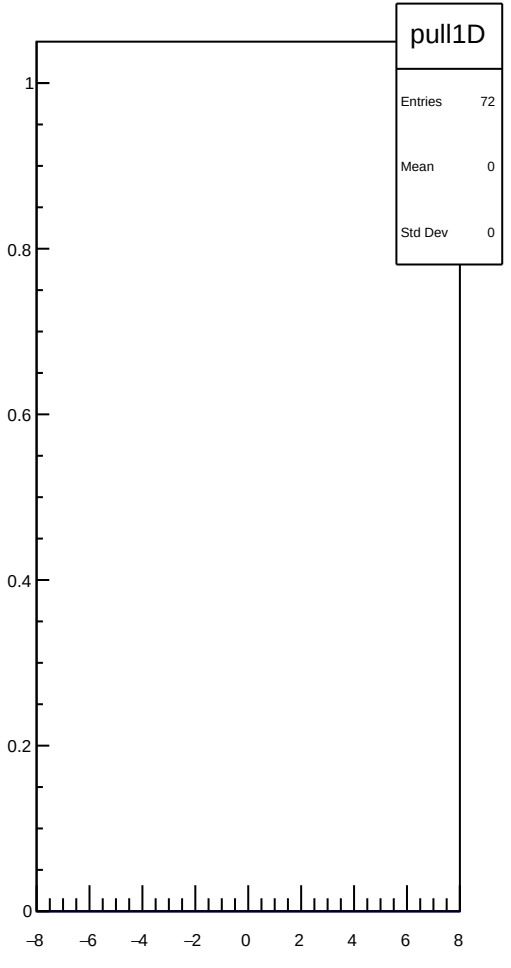

yield_bpm0l04WS_rms vs run
χ² / ndf 6.712e+04 / 71
p0 335.9 ± 0.29
3000
2500
2000
1500
1000
500

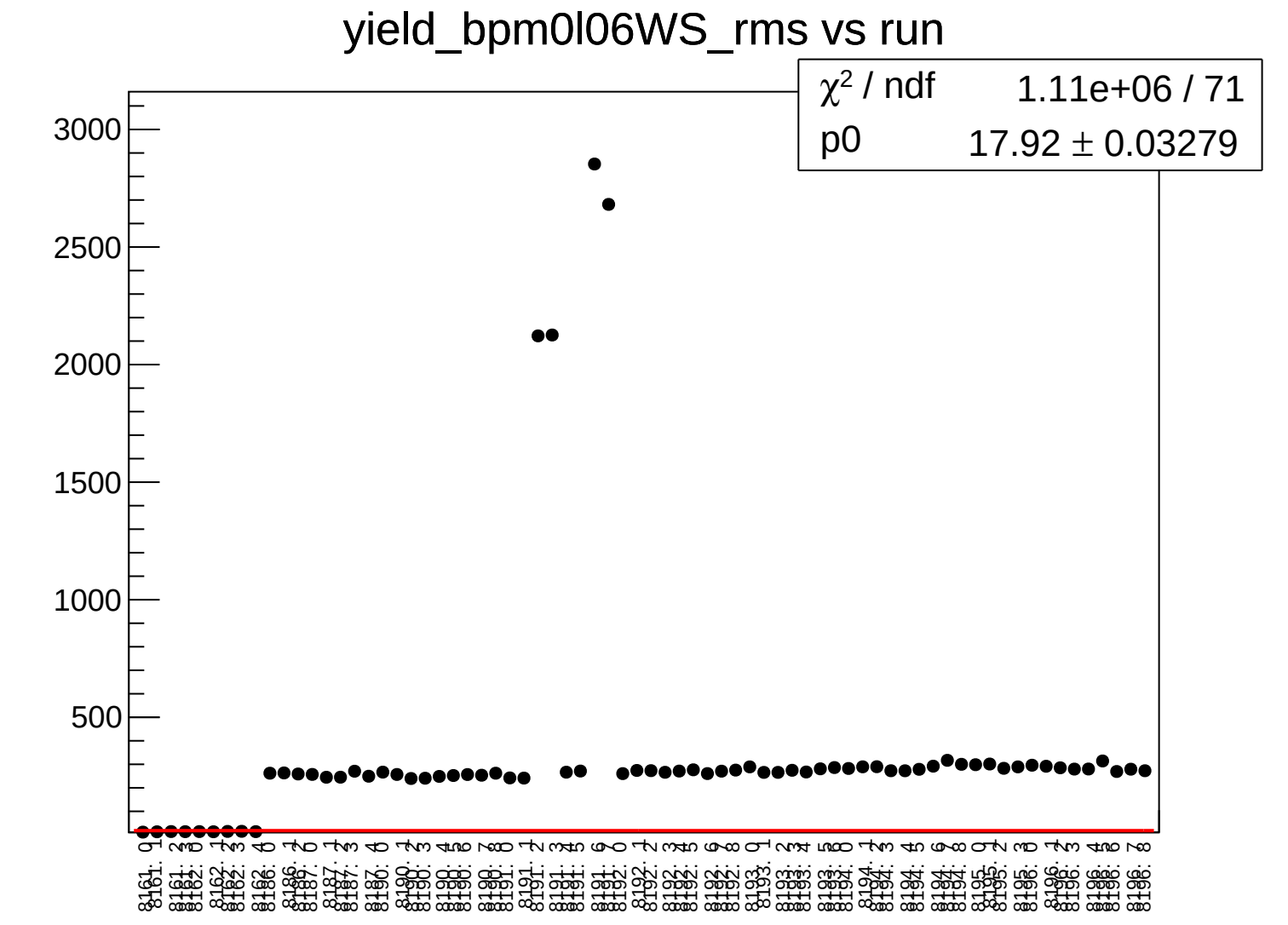

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 1.495e+05 / 71
p0 1.391e+05 ± 0.3336
139.5
139
138.5
138
137.5
137
136.5
pull
Entries 72
Mean −154.1
Std Dev 186.2
60
40
20
0
−20
−40
−60
−80
−100

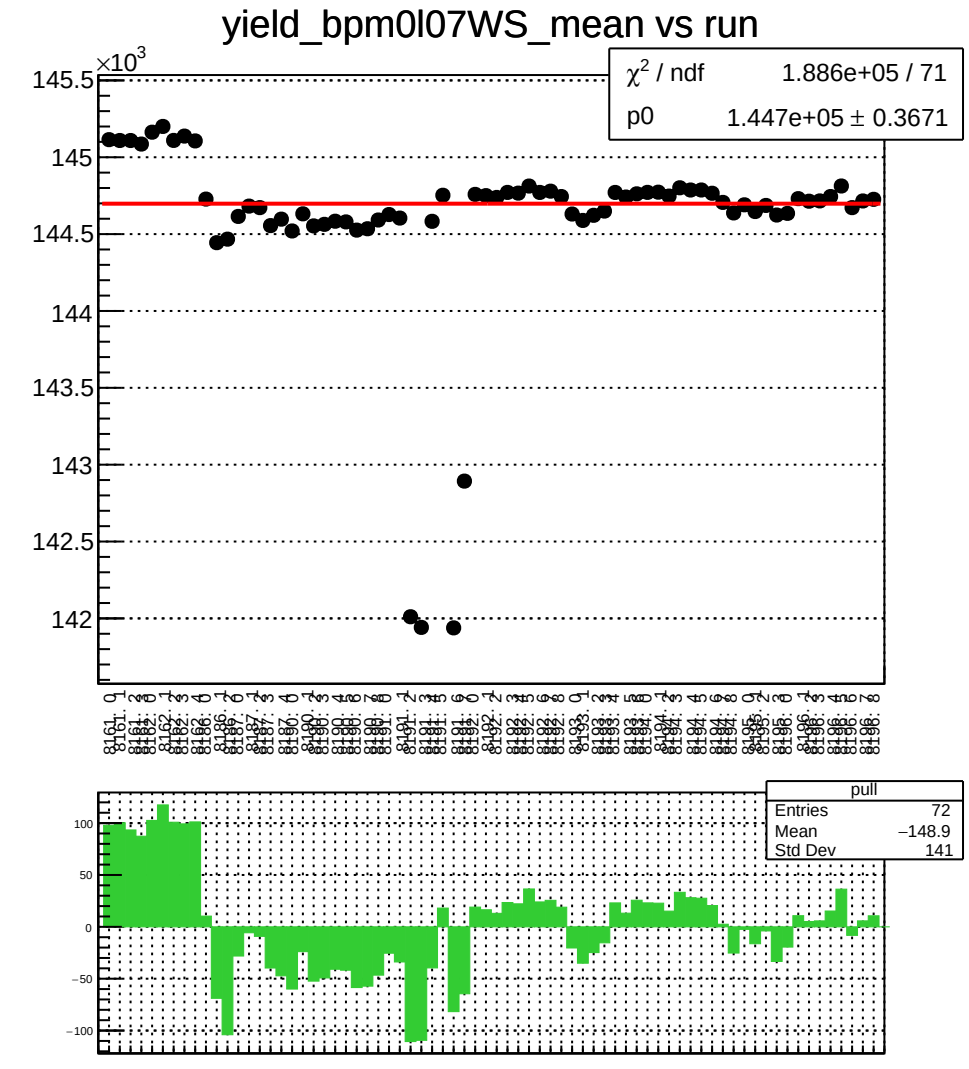

pull1D
Entries 72
Mean 2.184
Std Dev 4.263
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

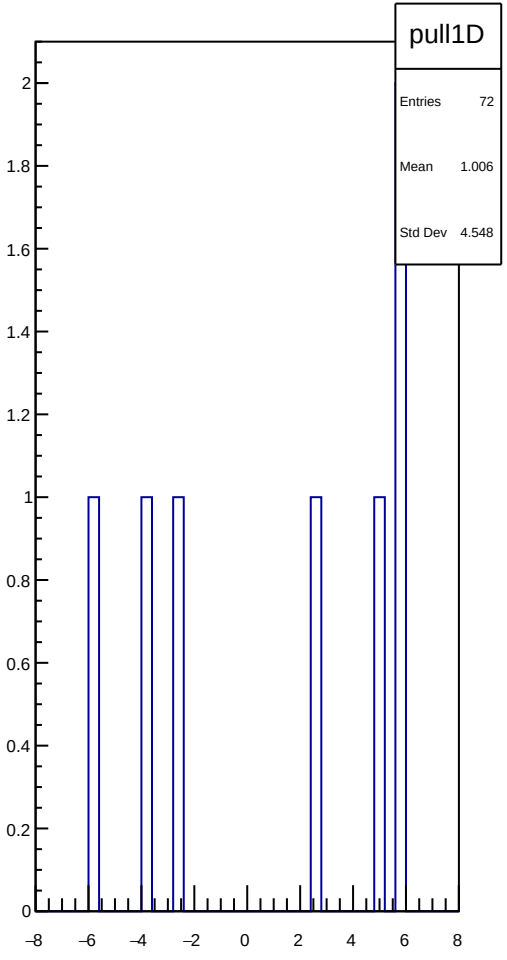

yield_bpm0l05WS_rms vs run
χ² / ndf 6.466e+04 / 71
p0 273.5 ± 0.2359
3000
2500
2000
1500
1000
500

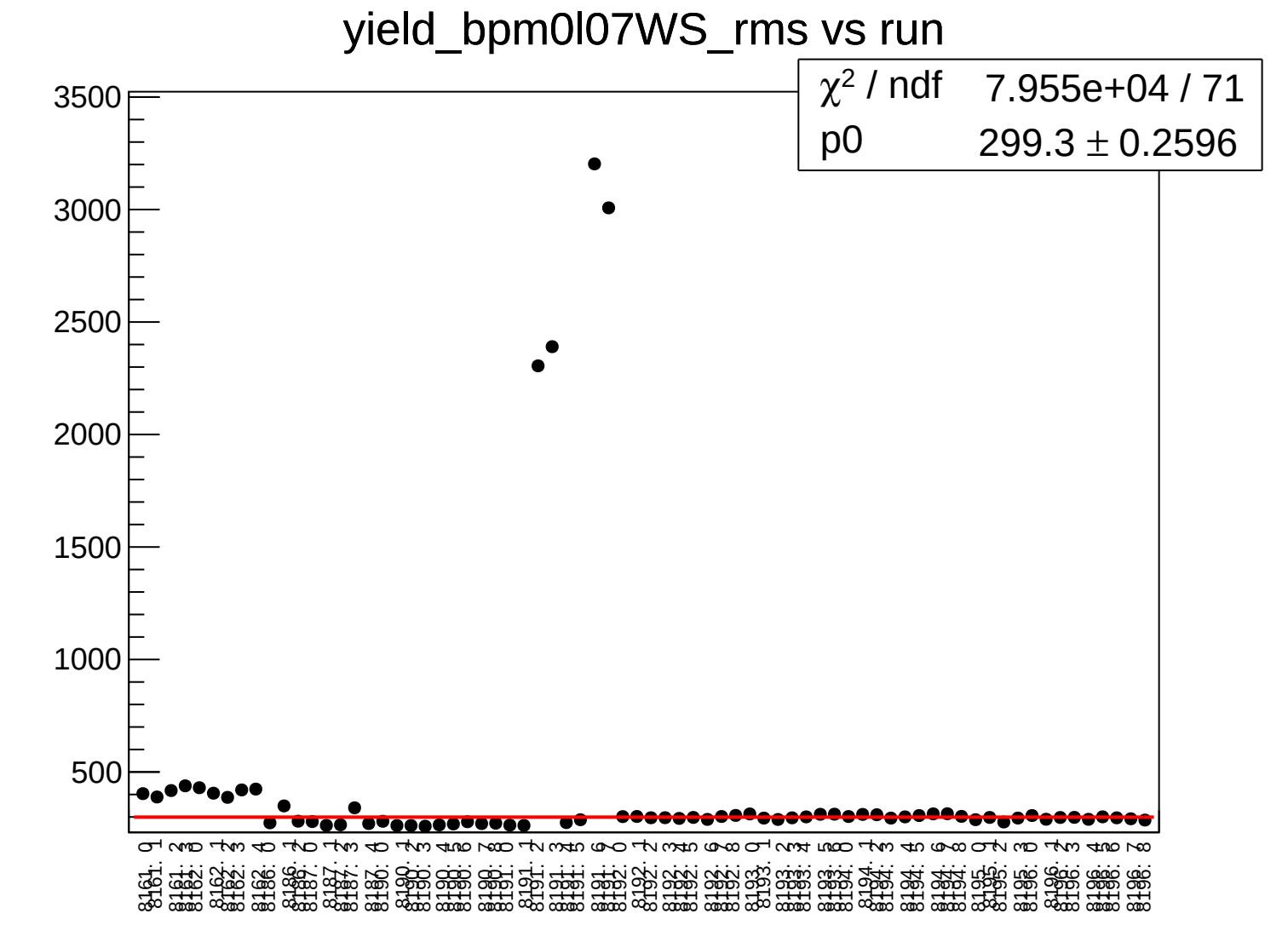

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 1.268e+11 / 71
p0 4574 ± 0.04637
140
120
100
80
60
40
20
pull
Entries 72
Mean 42.05
Std Dev 17.15
60000
50000
40000
30000
20000
10000
0
−10000
−20000

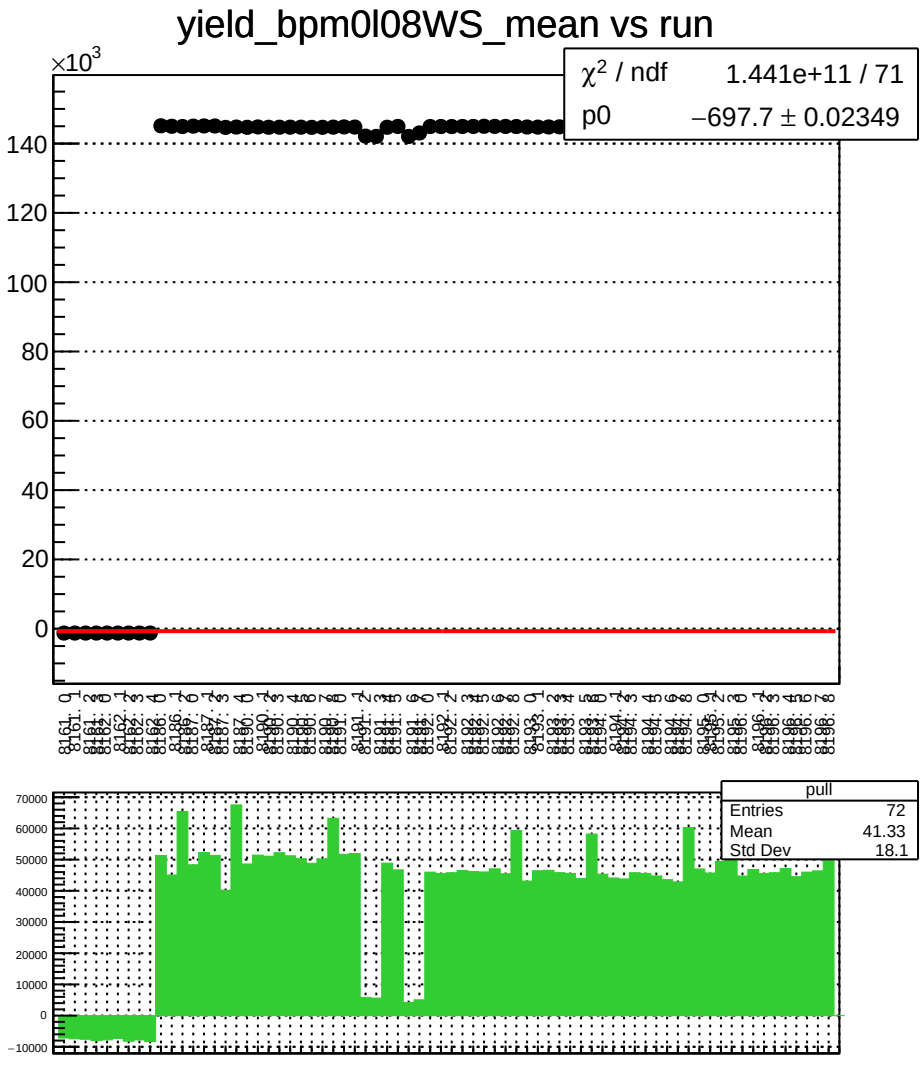

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

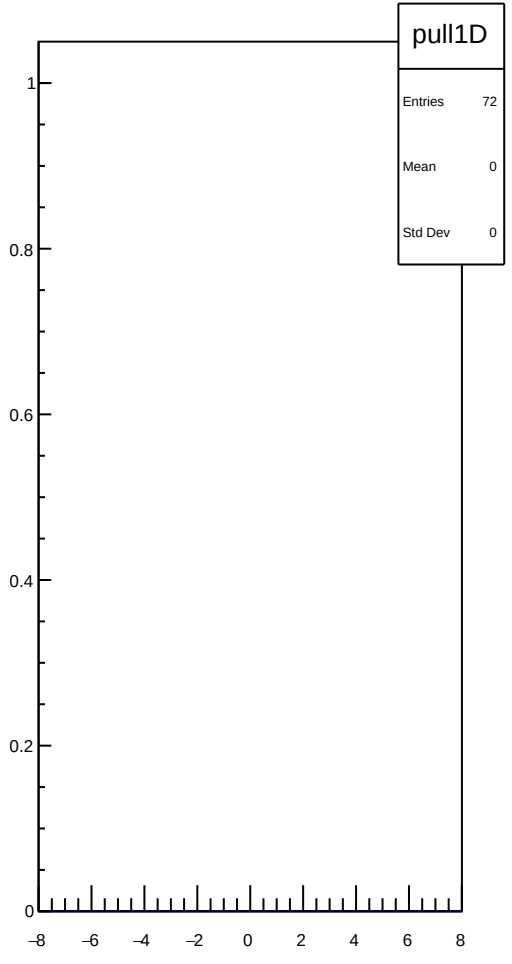

yield_bpm0l06WS_rms vs run
χ² / ndf 1.11e+06 / 71
p0 17.92 ± 0.03279
3000
2500
2000
1500
1000
500

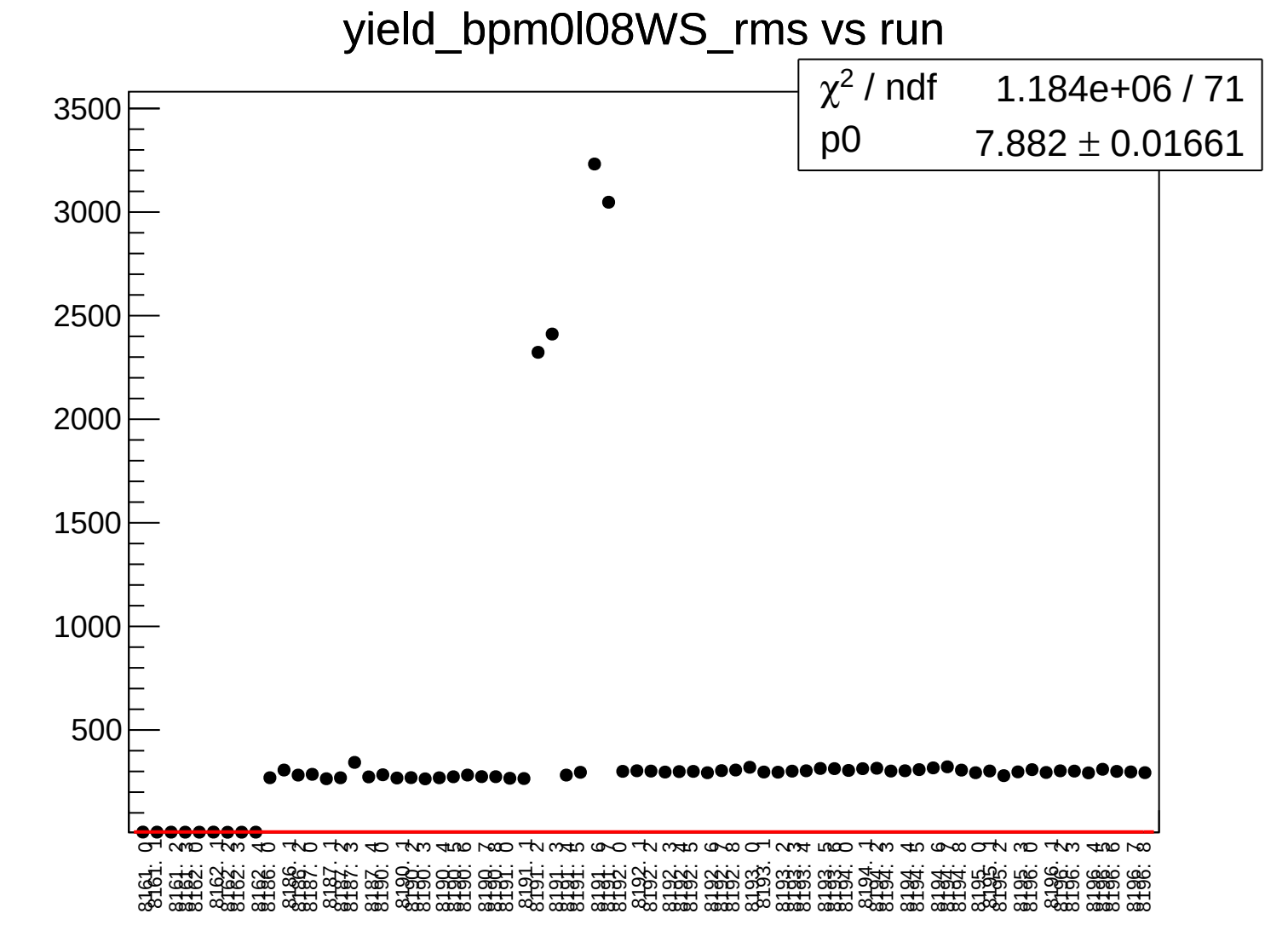

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.886e+05 / 71
p0 1.447e+05 ± 0.3671
145.5
145
144.5
144
143.5
143
142.5
142
pull
Entries 72
Mean −148.9
Std Dev 141
100
50
0
−50
−100

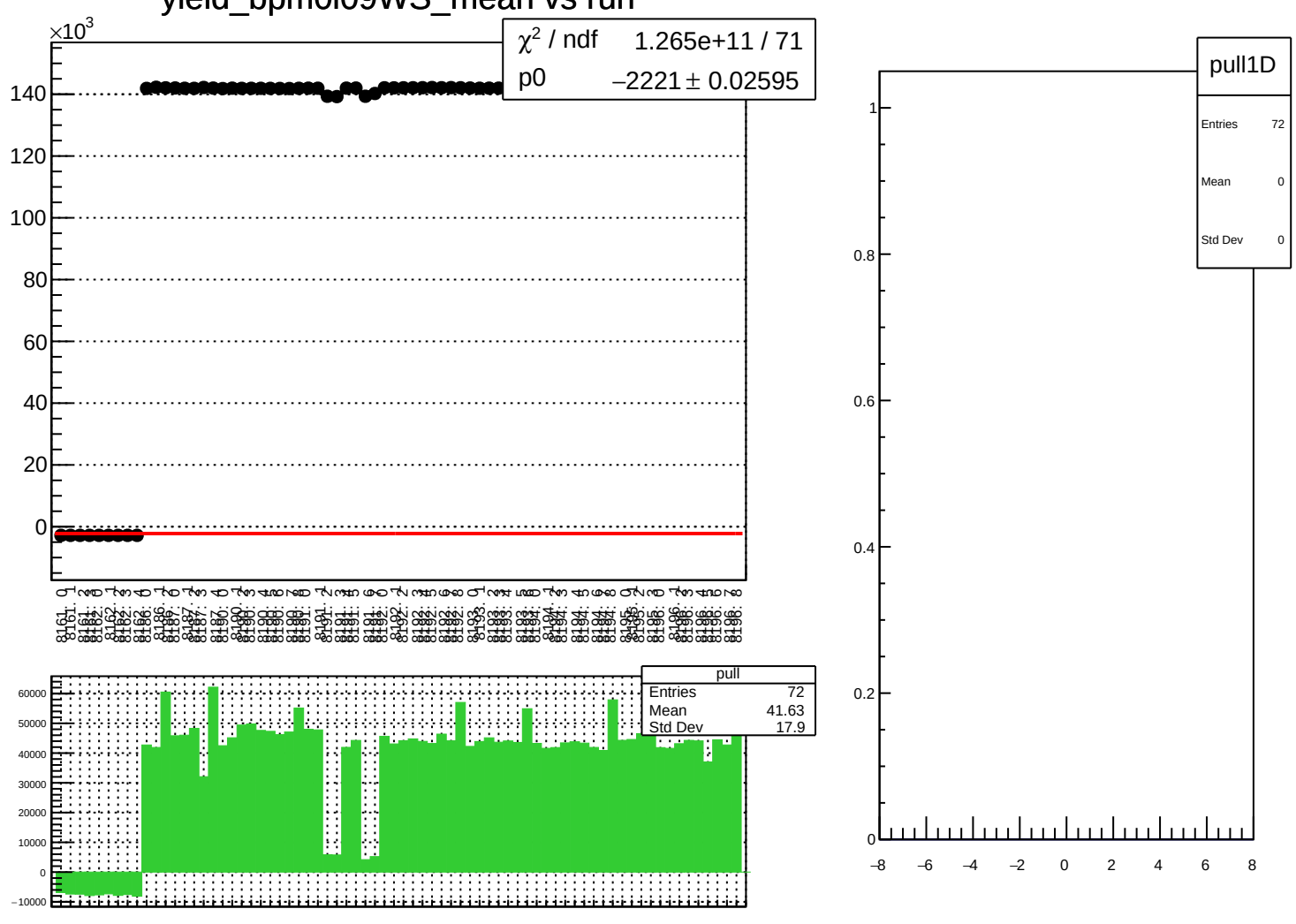

pull1D
Entries 72
Mean 1.006
Std Dev 4.548
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

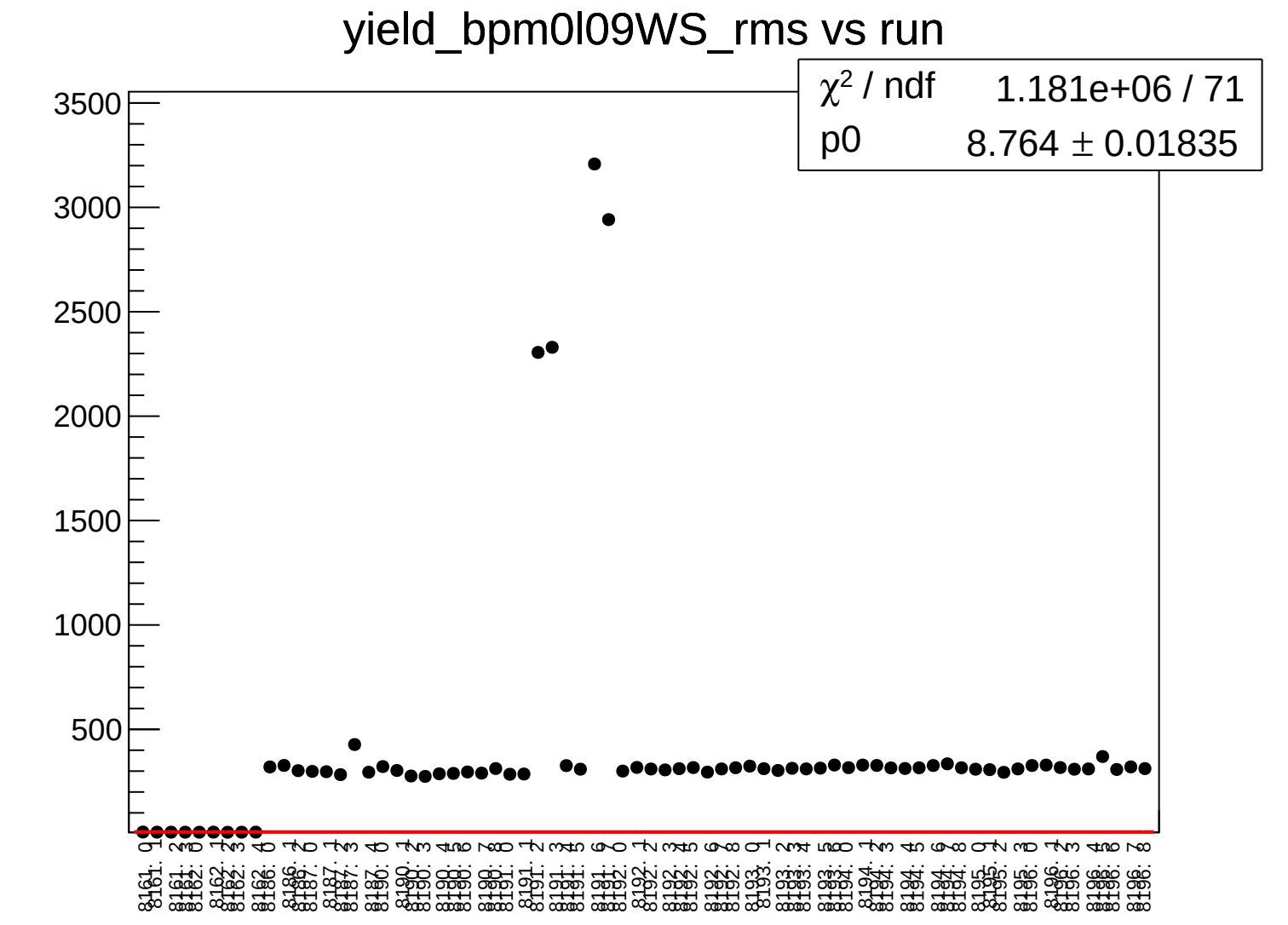

yield_bpm0l07WS_rms vs run
χ² / ndf 7.955e+04 / 71
p0 299.3 ± 0.2596
3500
3000
2500
2000
1500
1000
500

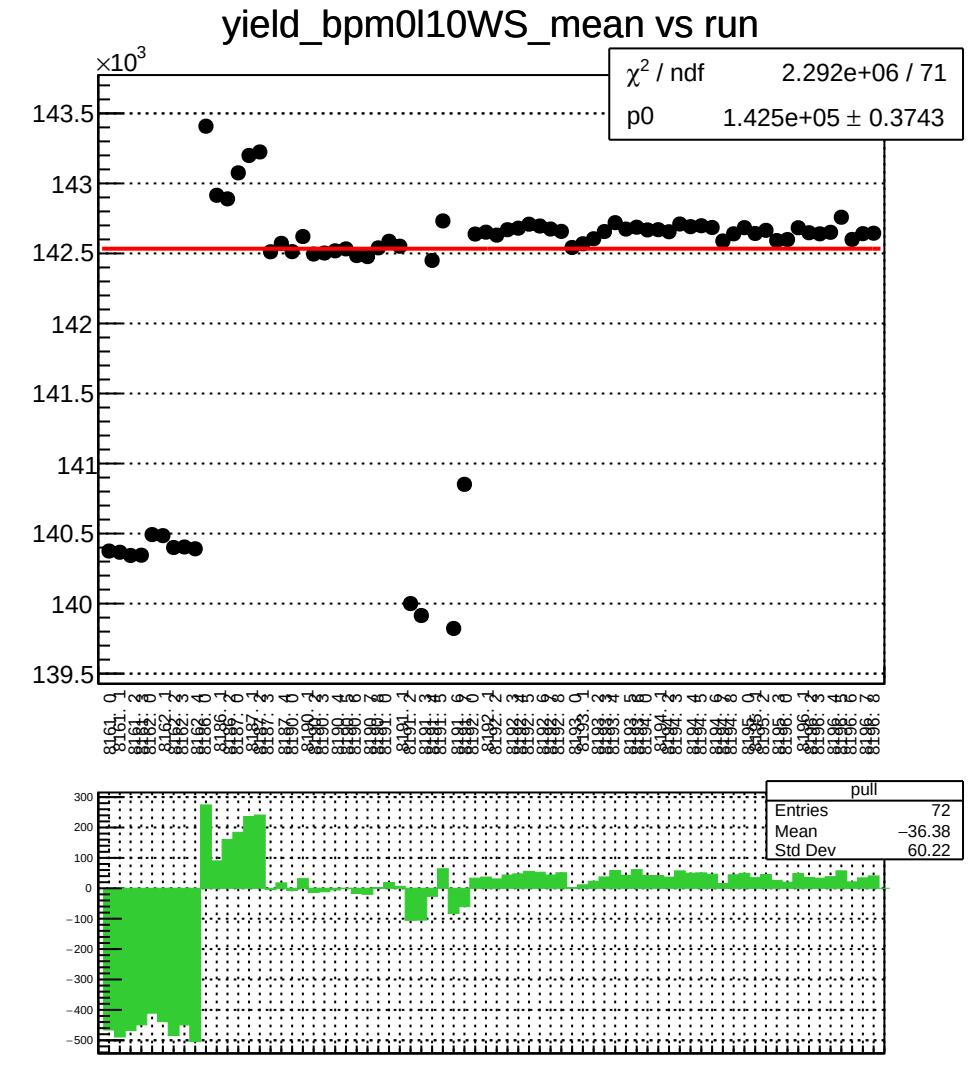

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 1.441e+11 / 71
p0 −697.7 ± 0.02349
140
120
100
80
60
40
20
0
pull
Entries 72
Mean 41.33
Std Dev 18.1
70000
60000
50000
40000
30000
20000
10000
0
−10000

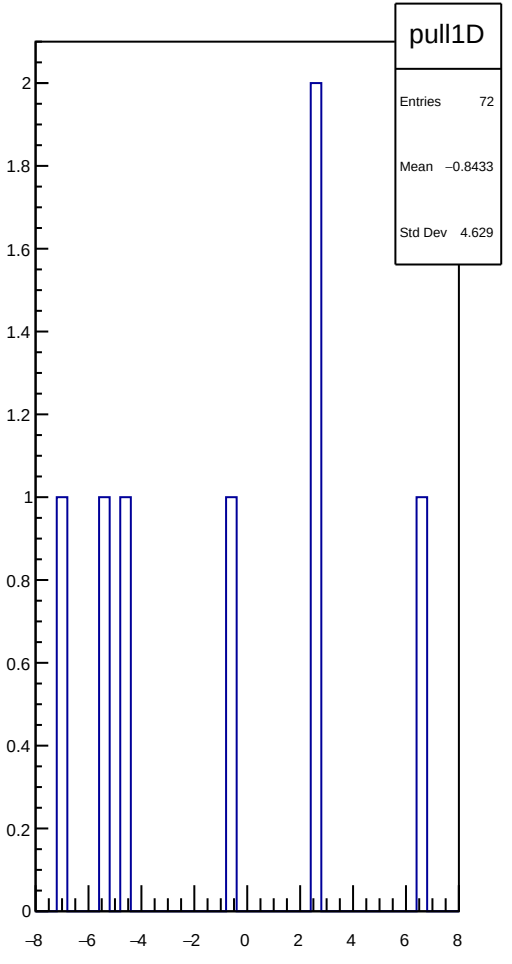

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

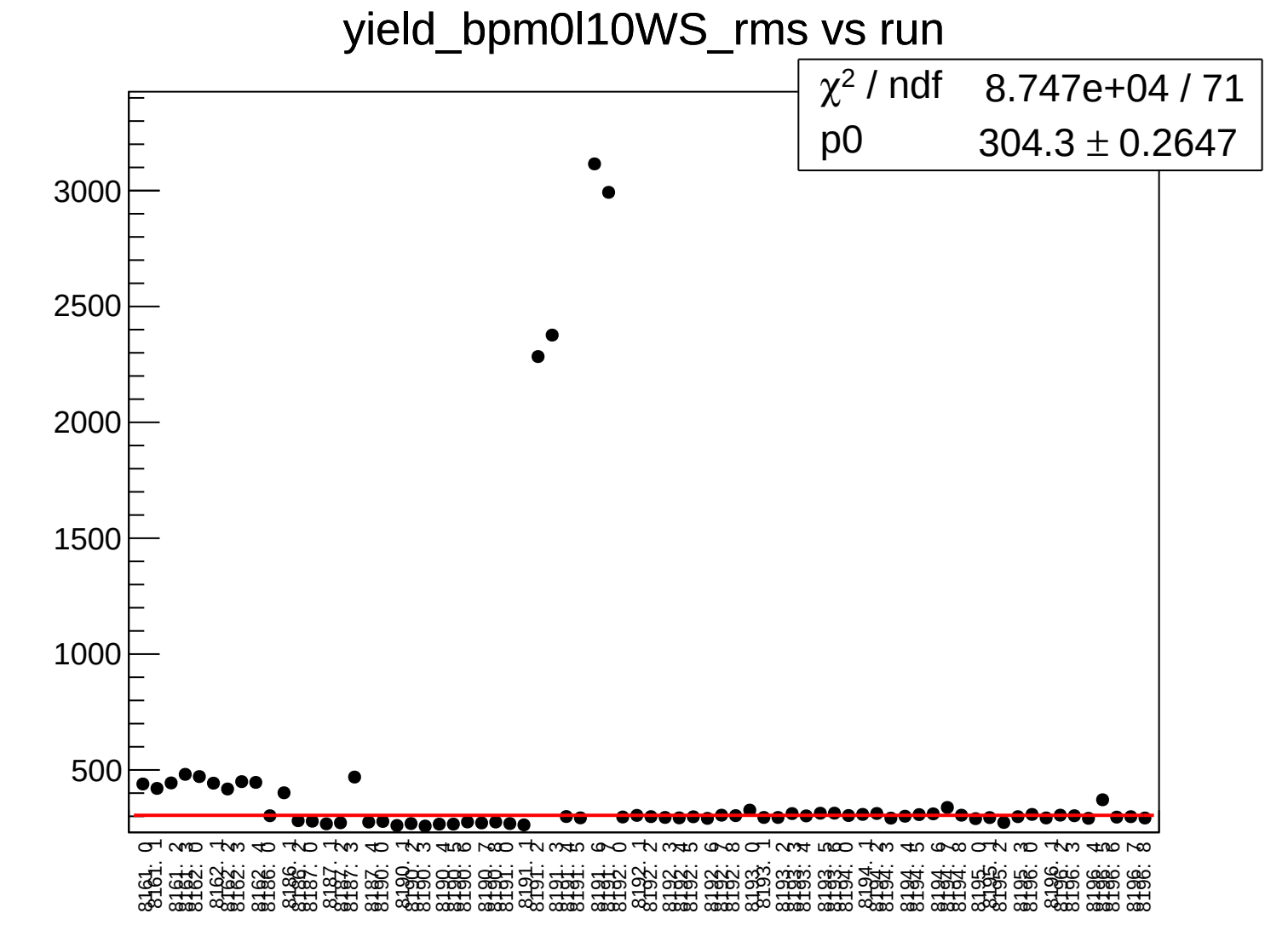

yield_bpm0l08WS_rms vs run
χ² / ndf 1.184e+06 / 71
p0 7.882 ± 0.01661
3500
3000
2500
2000
1500
1000
500

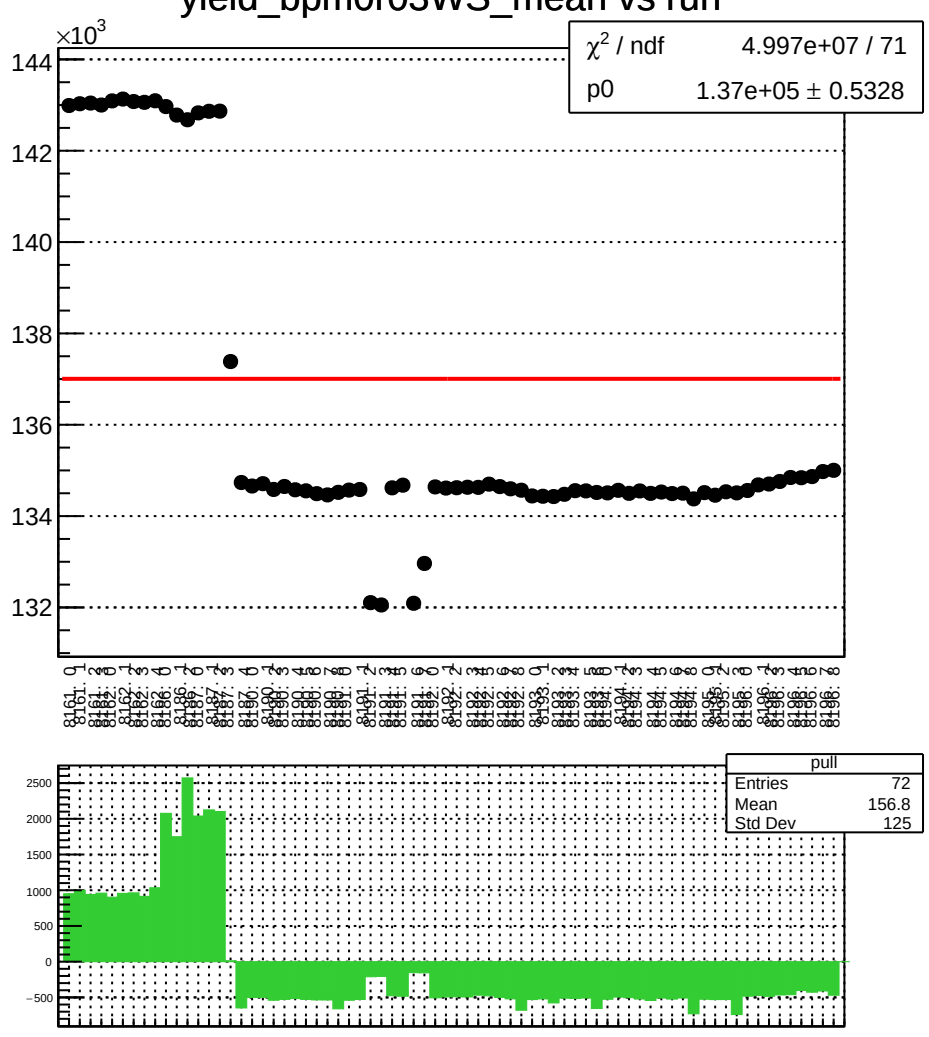

yield_bpm0l09WS_mean vs run
×10^3
χ^2 / ndf 1.265e+11 / 71
p0 −2221 ± 0.02595
140
120
100
80
60
40
20
0
pull
Entries 72
Mean 41.63
Std Dev 17.9
60000
50000
40000
30000
20000
10000
0
−10000
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

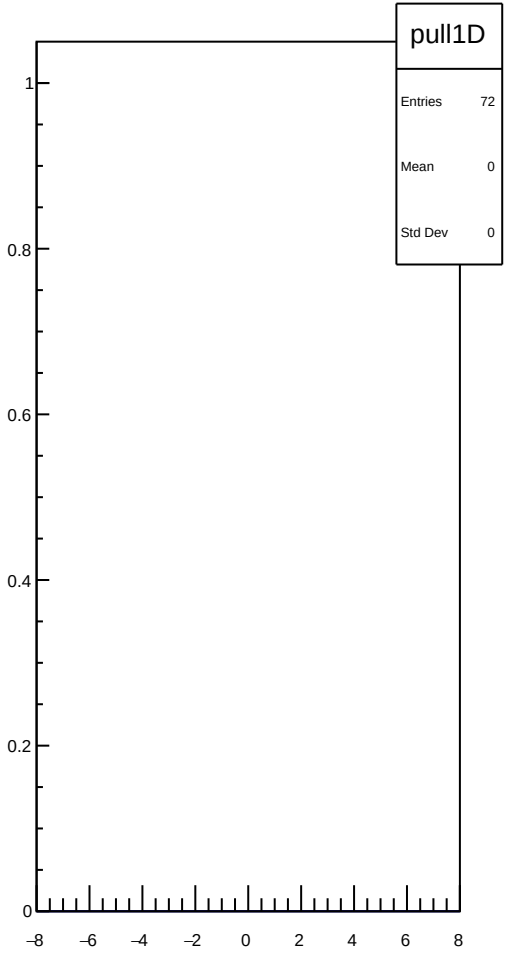

yield_bpm0l09WS_rms vs run
χ² / ndf 1.181e+06 / 71
p0 8.764 ± 0.01835
3500
3000
2500
2000
1500
1000
500

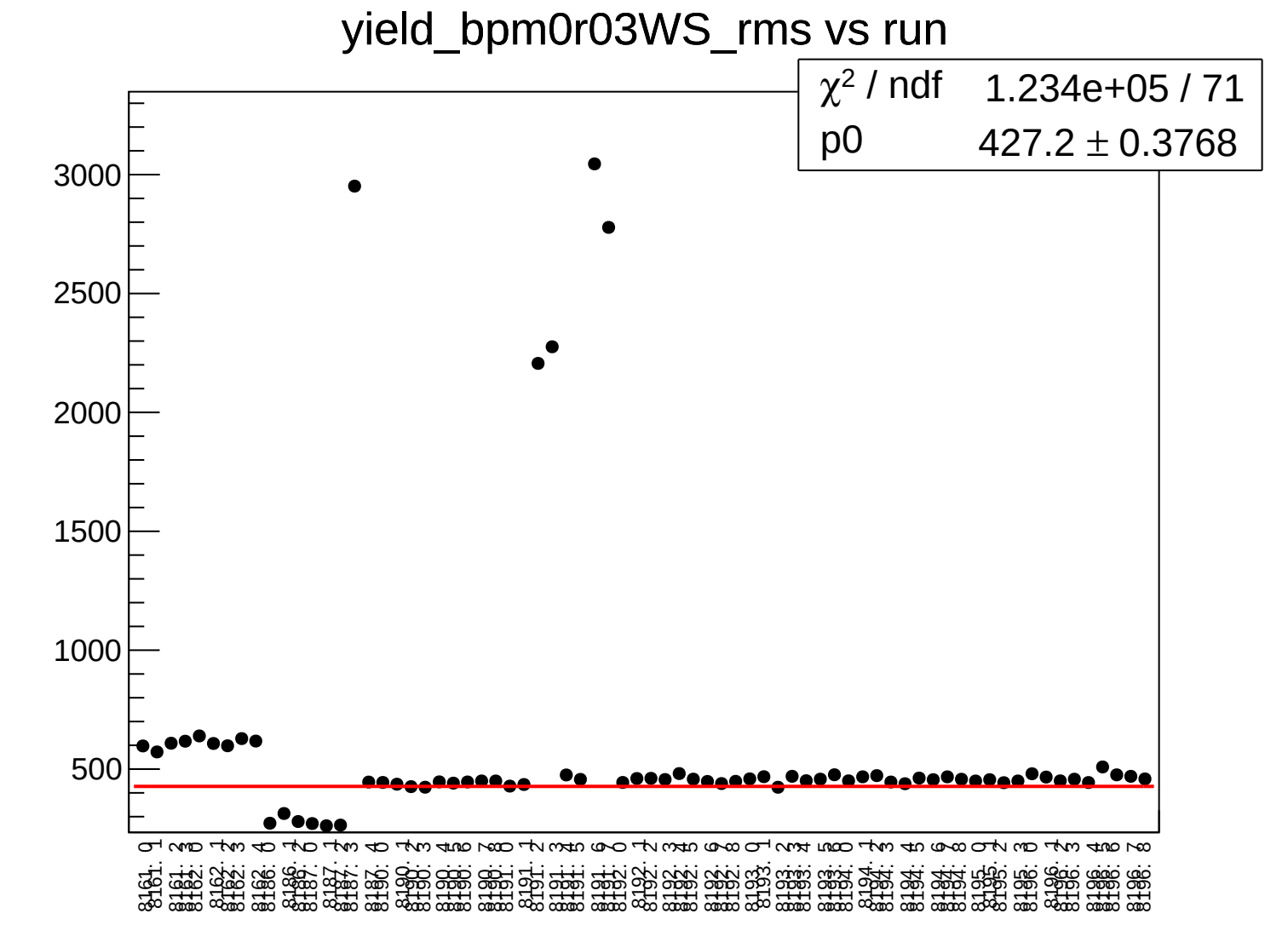

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 2.292e+06 / 71
p0 1.425e+05 ± 0.3743
143.5
143
142.5
142
141.5
141
140.5
140
139.5
pull
Entries 72
Mean −36.38
Std Dev 60.22
300
200
100
0
−100
−200
−300
−400
−500

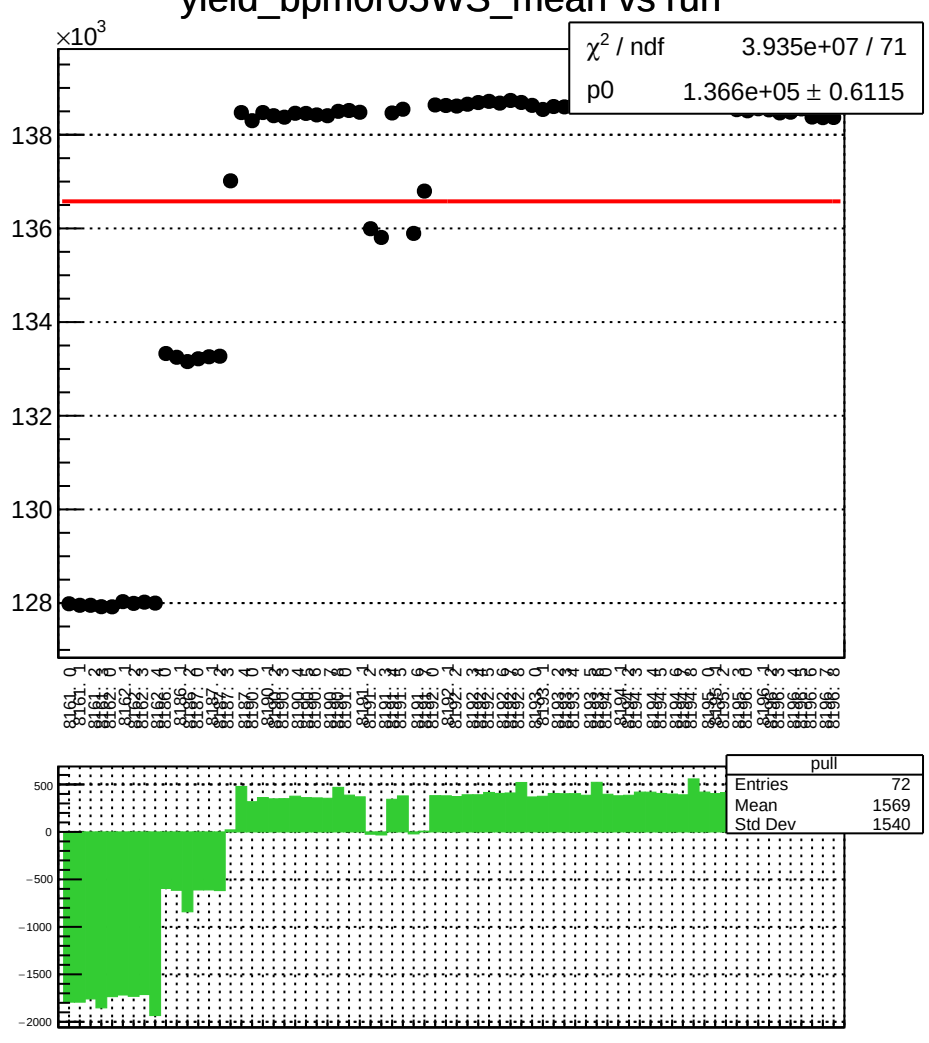

pull1D
Entries 72
Mean −0.8433
Std Dev 4.629
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

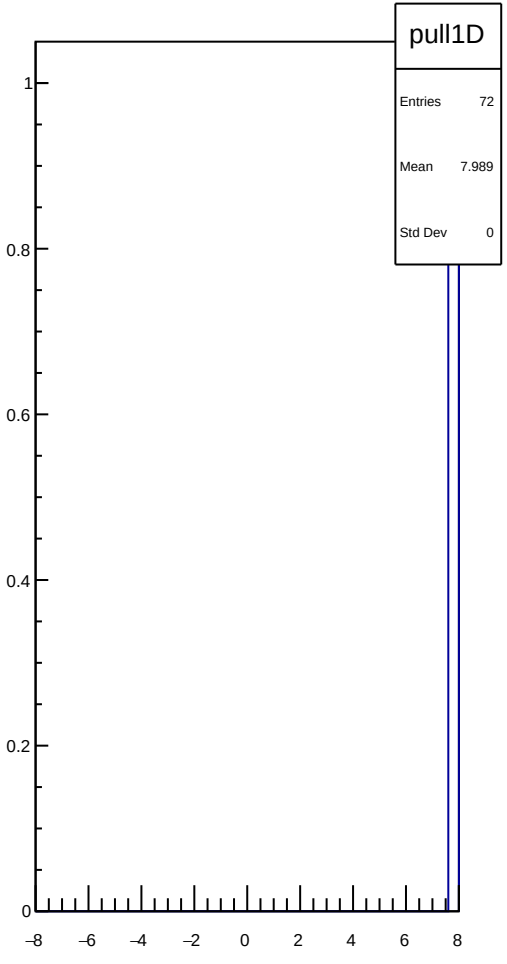

yield_bpm0l10WS_rms vs run
χ² / ndf 8.747e+04 / 71
p0 304.3 ± 0.2647
3000
2500
2000
1500
1000
500

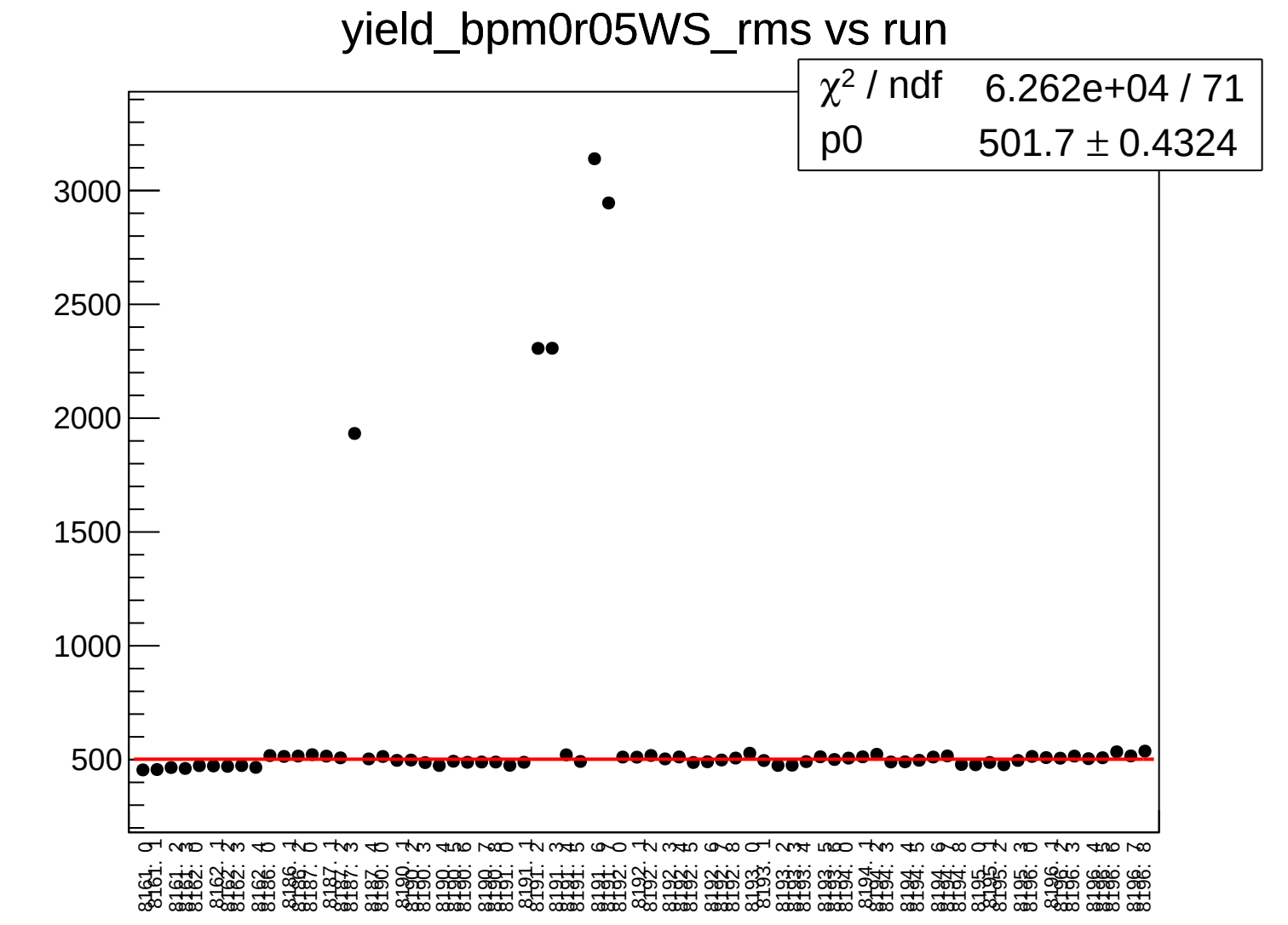

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 4.997e+07 / 71
p0 1.37e+05 ± 0.5328
144
142
140
138
136
134
132
pull
Entries 72
Mean 156.8
Std Dev 125
2500
2000
1500
1000
500
0
−500

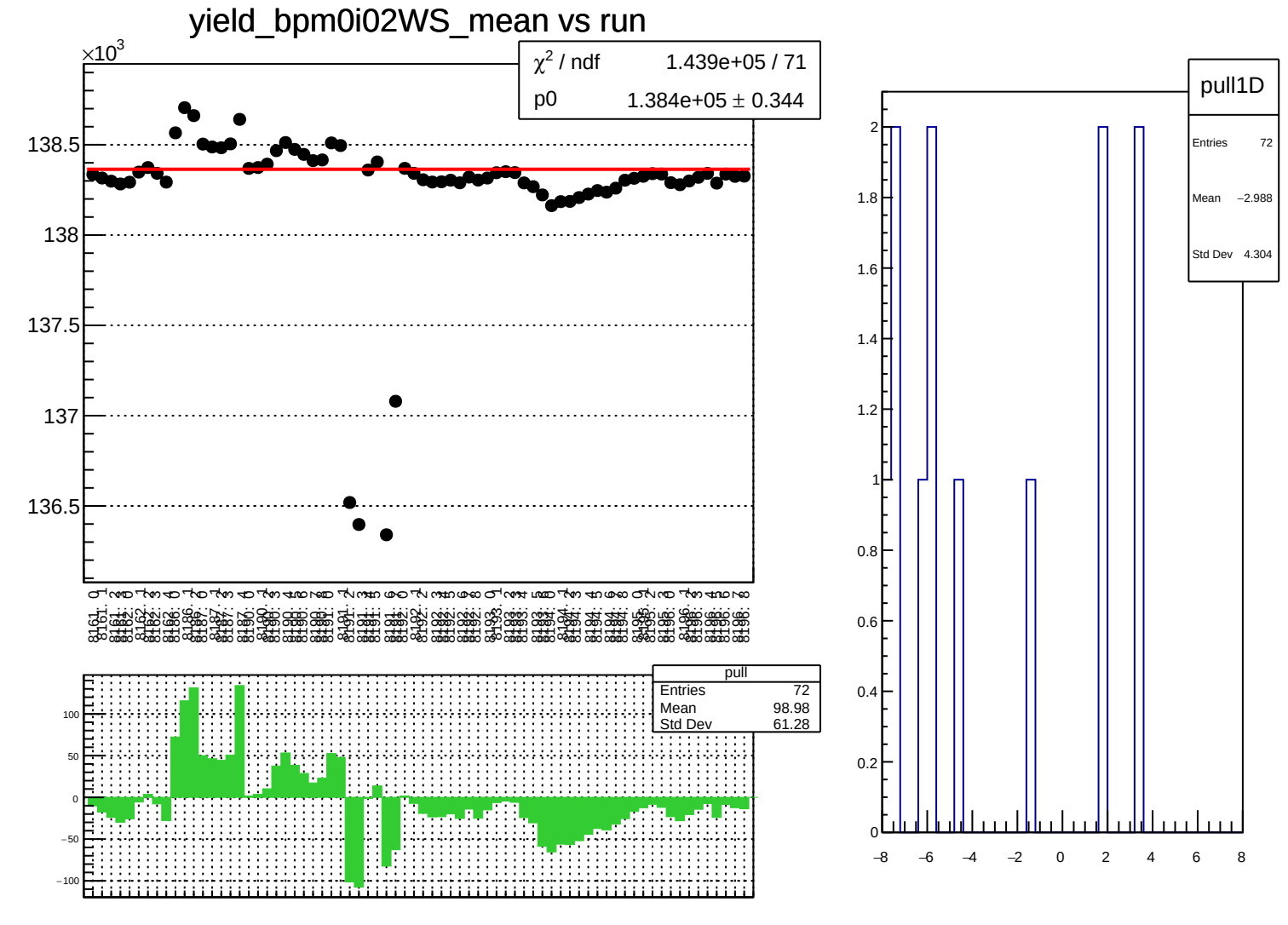

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

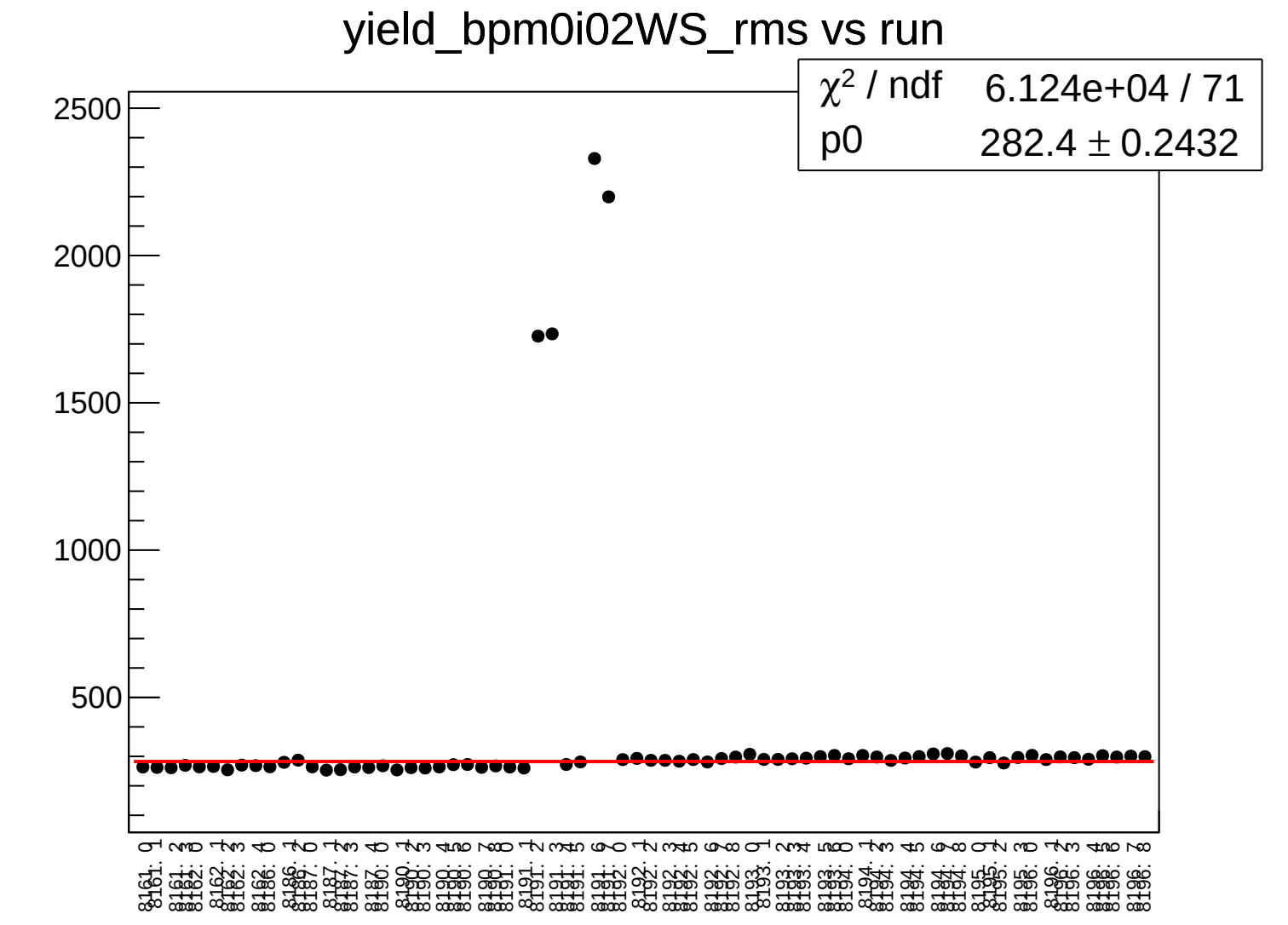

yield_bpm0r03WS_rms vs run
χ² / ndf 1.234e+05 / 71
p0 427.2 ± 0.3768
3000
2500
2000
1500
1000
500

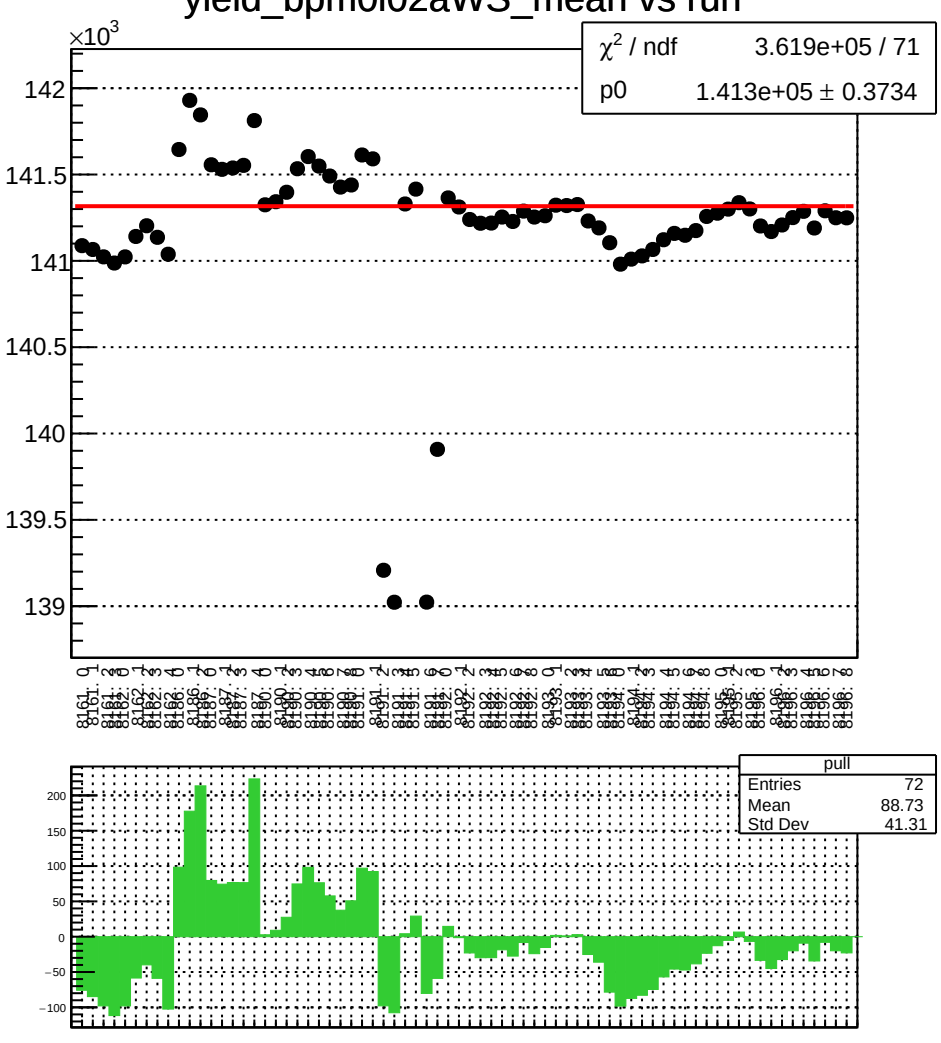

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 3.935e+07 / 71
p0 1.366e+05 ± 0.6115
138
136
134
132
130
128
pull
Entries 72
Mean 1569
Std Dev 1540
500
0
−500
−1000
−1500
−2000

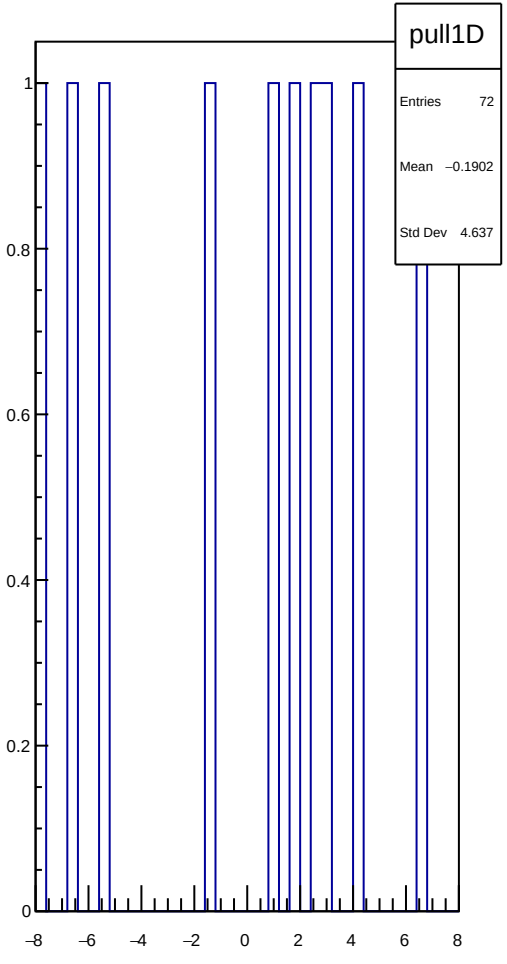

pull1D
Entries 72
Mean 7.989
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

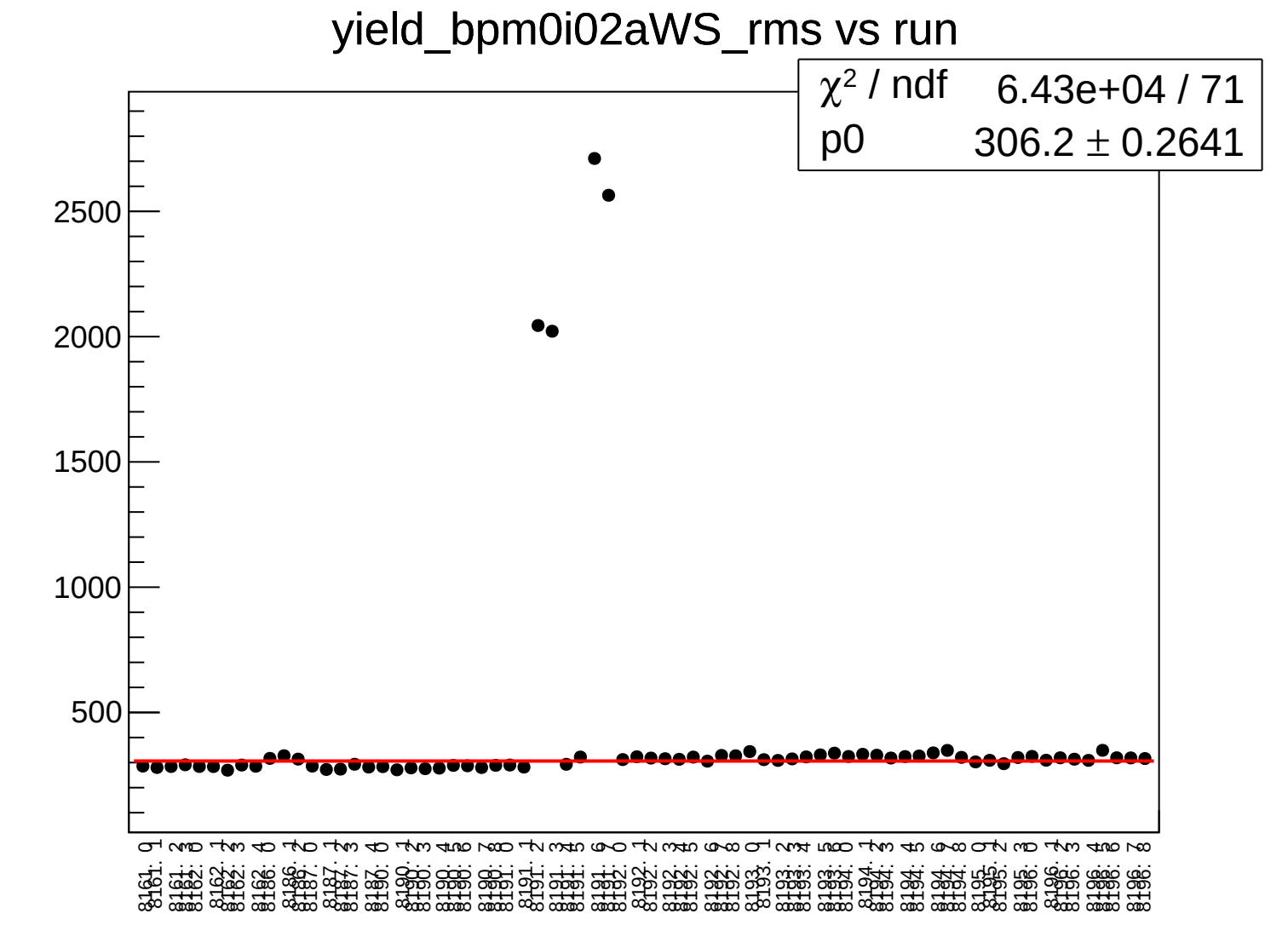

yield_bpm0r05WS_rms vs run
χ² / ndf 6.262e+04 / 71
p0 501.7 ± 0.4324
3000
2500
2000
1500
1000
500

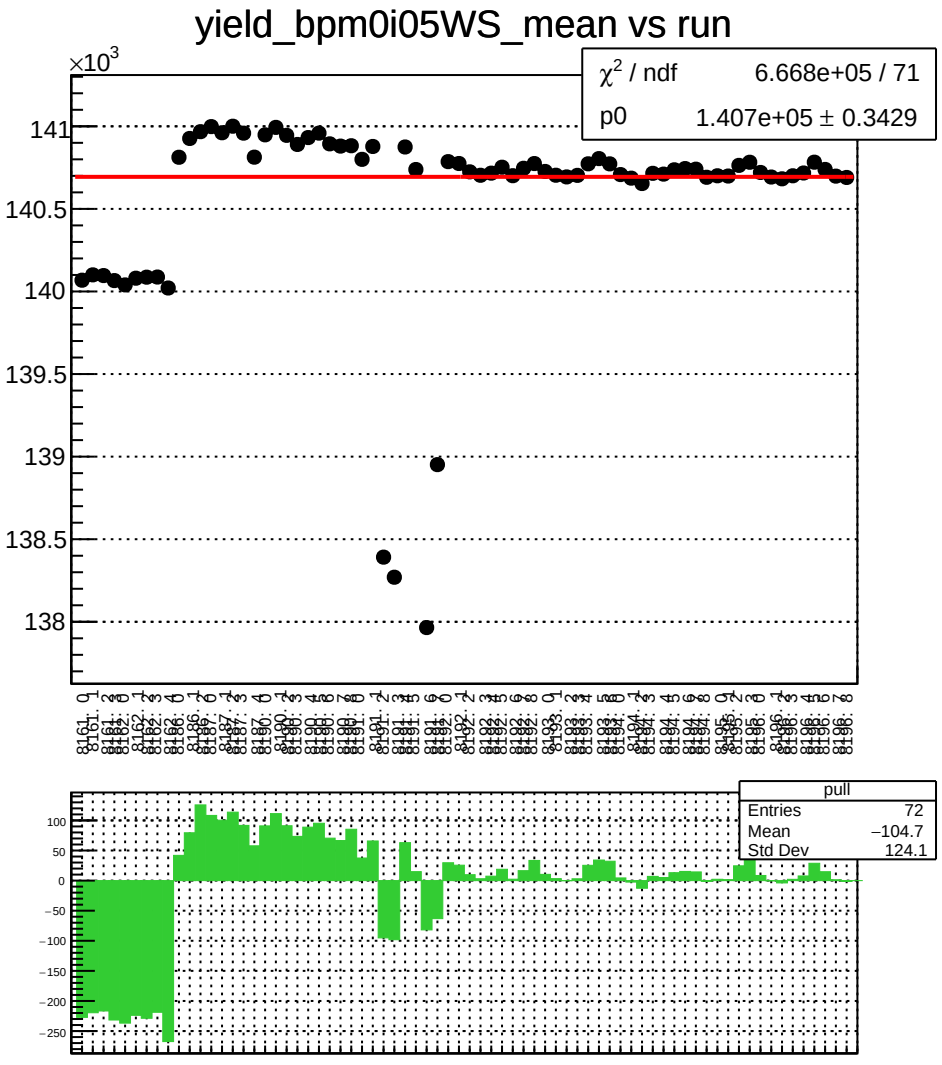

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 1.439e+05 / 71
p0 1.384e+05 ± 0.344
138.5
138
137.5
137
136.5
pull
Entries 72
Mean 98.98
Std Dev 61.28
100
50
0
−50
−100
pull1D
Entries 72
Mean −2.988
Std Dev 4.304
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

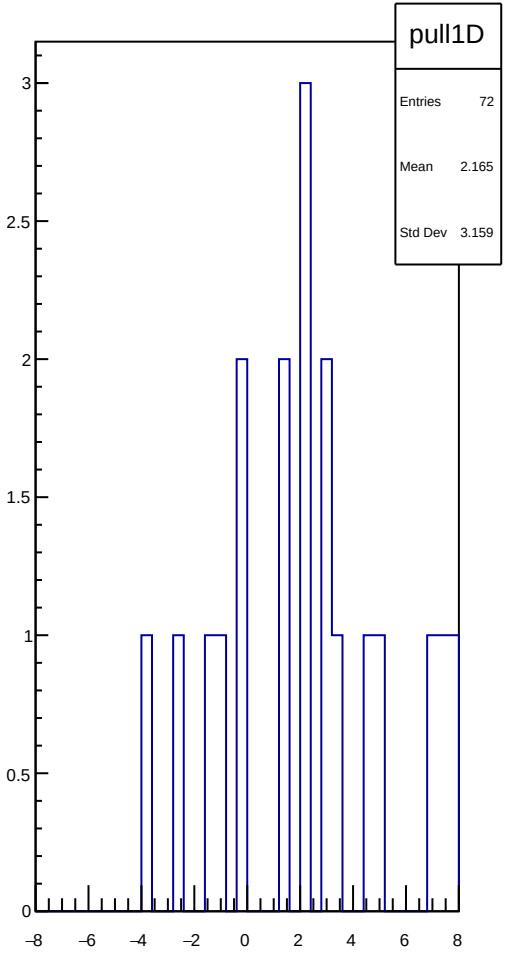

yield_bpm0i02WS_rms vs run
χ² / ndf 6.124e+04 / 71
p0 282.4 ± 0.2432
2500
2000
1500
1000
500

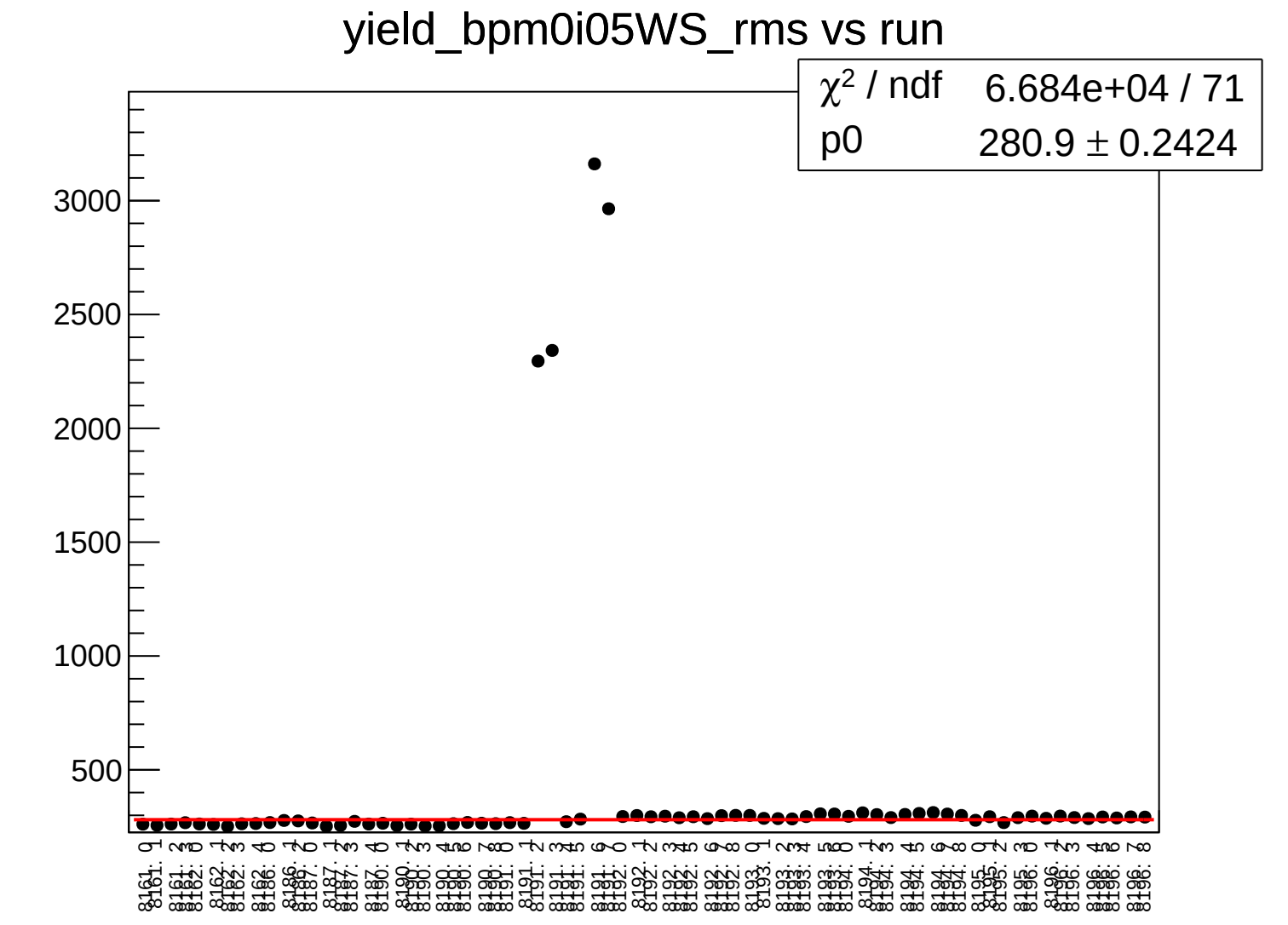

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 3.619e+05 / 71
p0 1.413e+05 ± 0.3734
142
141.5
141
140.5
140
139.5
139
pull
Entries 72
Mean 88.73
Std Dev 41.31
200
150
100
50
0
−50
−100

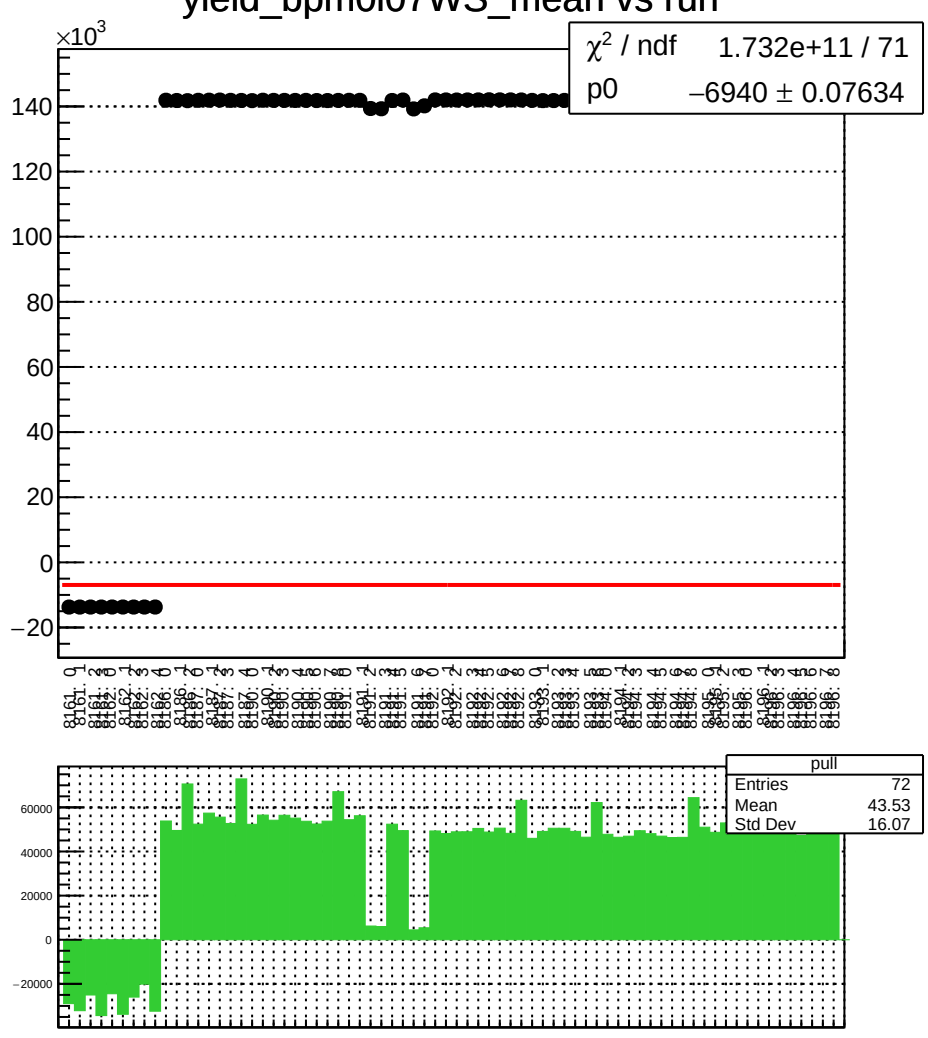

pull1D
Entries 72
Mean −0.1902
Std Dev 4.637
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

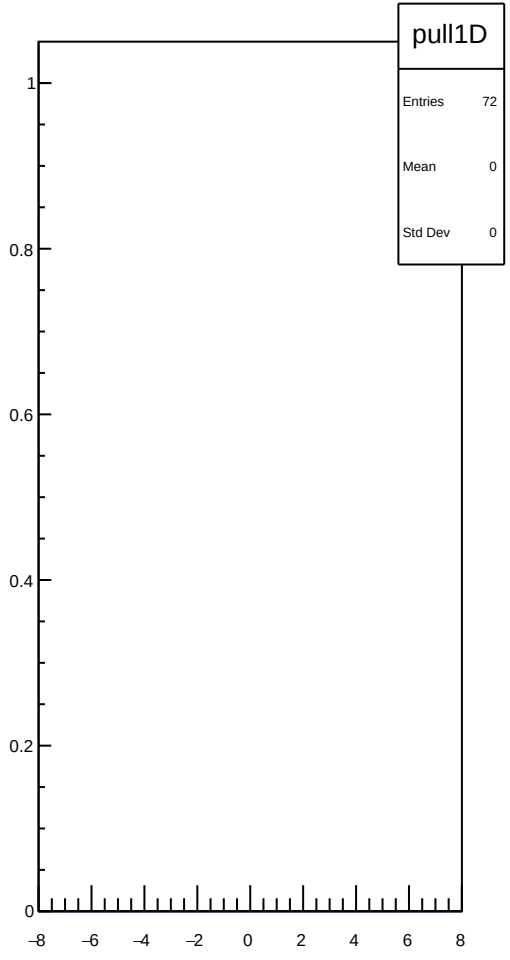

yield_bpm0i02aWS_rms vs run
χ² / ndf 6.43e+04 / 71
p0 306.2 ± 0.2641
2500
2000
1500
1000
500

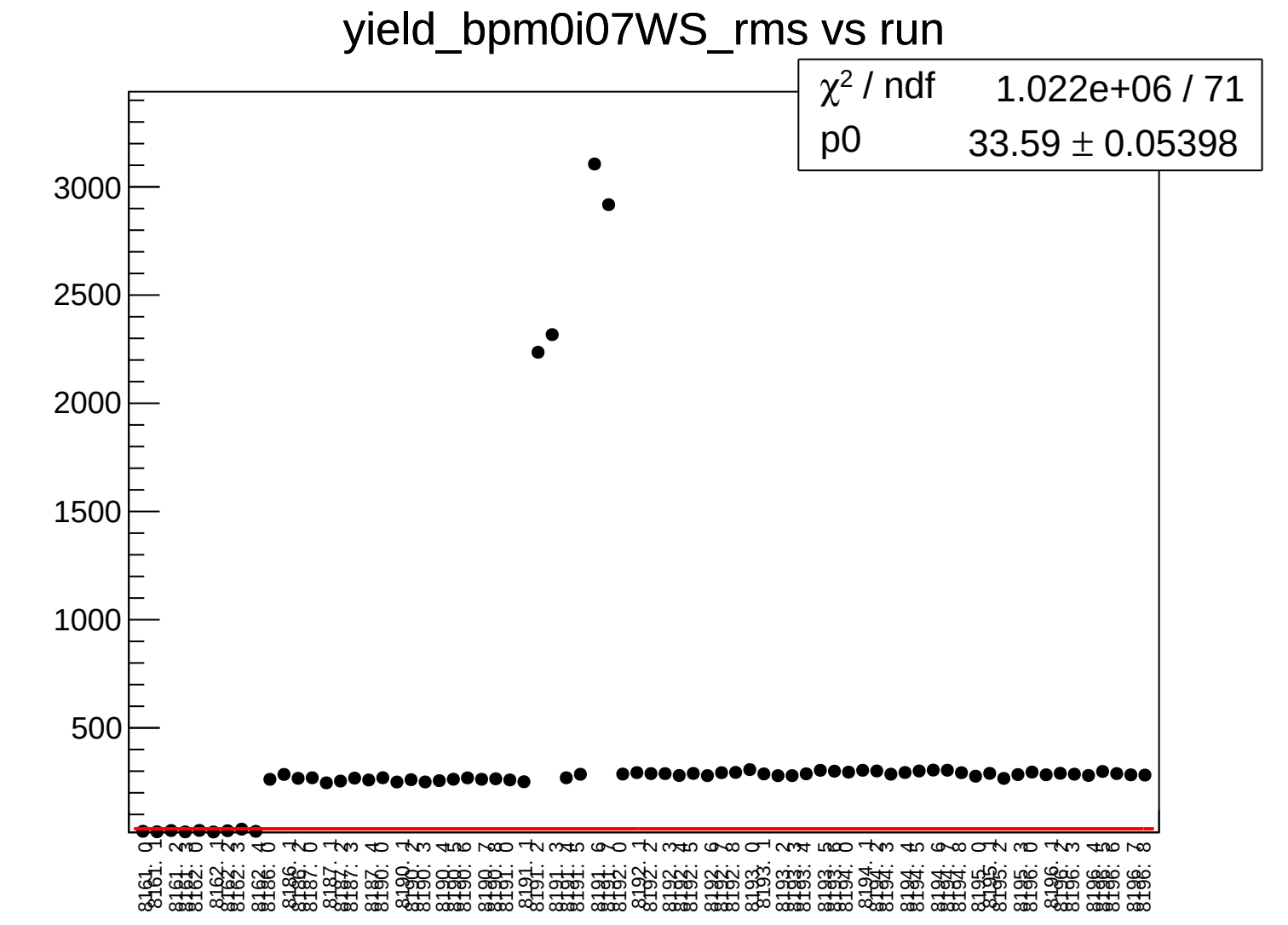

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 6.668e+05 / 71
p0 1.407e+05 ± 0.3429
141
140.5
140
139.5
139
138.5
138
pull
Entries 72
Mean −104.7
Std Dev 124.1
100
50
0
−50
−100
−150
−200
−250

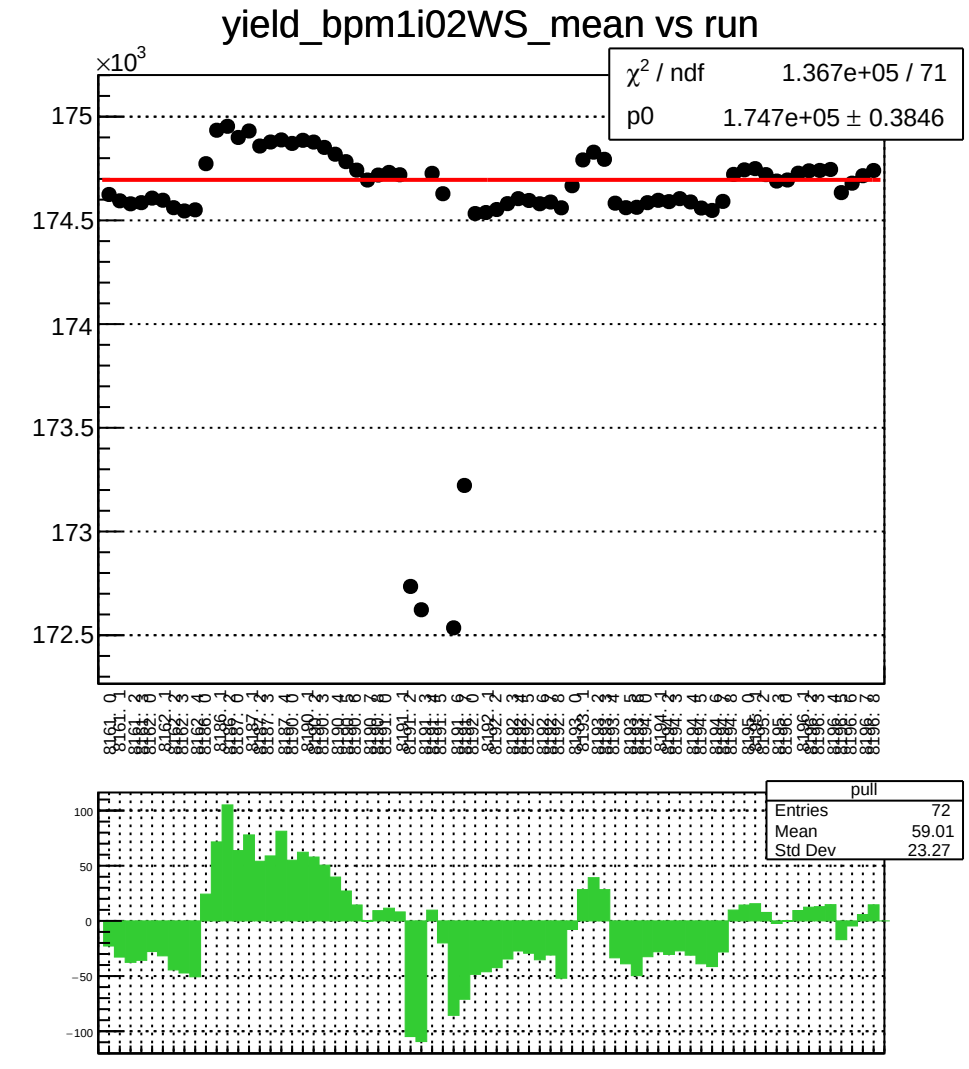

pull1D
Entries 72
Mean 2.165
Std Dev 3.159
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

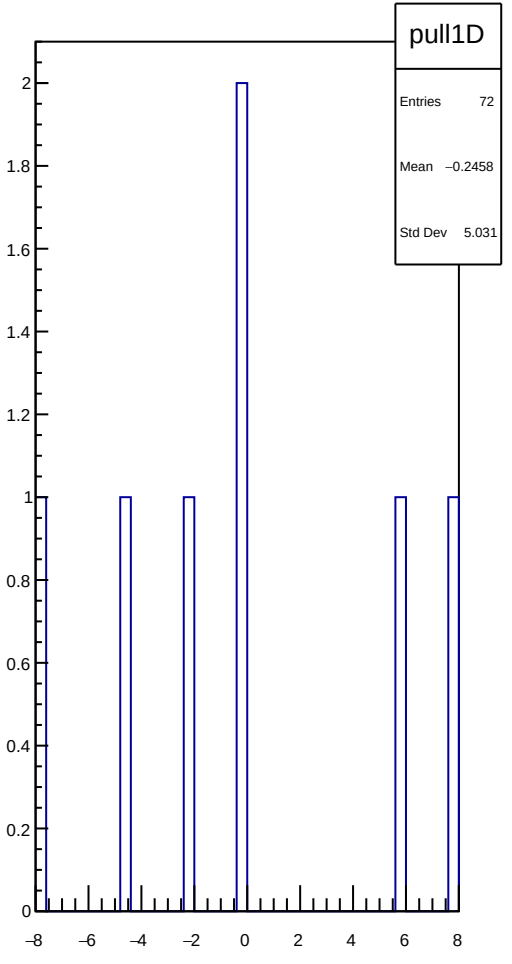

yield_bpm0i05WS_rms vs run
χ² / ndf 6.684e+04 / 71
p0 280.9 ± 0.2424
3000
2500
2000
1500
1000
500

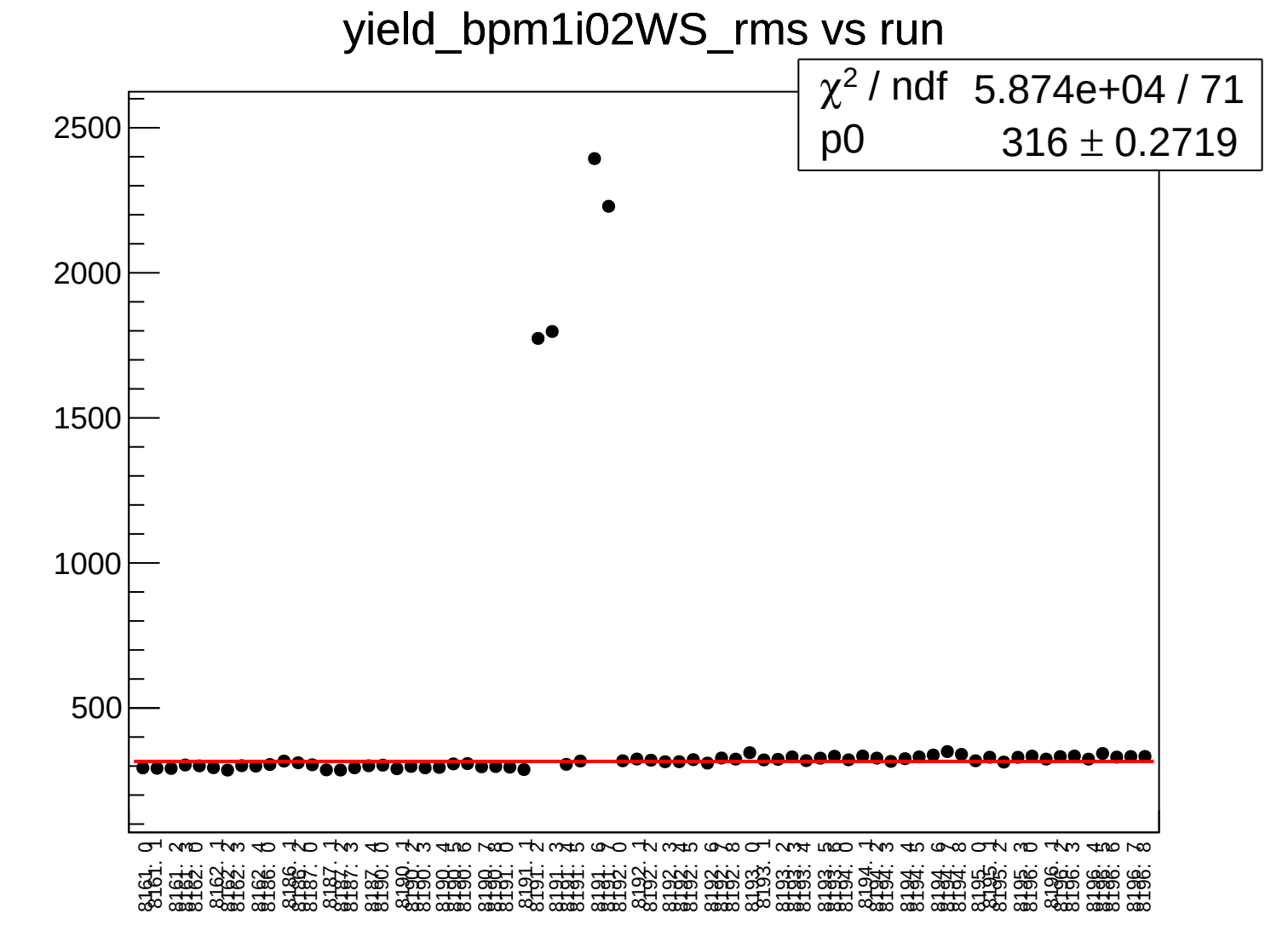

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.732e+11 / 71
p0 −6940 ± 0.07634
140
120
100
80
60
40
20
0
−20
pull
Entries 72
Mean 43.53
Std Dev 16.07
60000
40000
20000
0
−20000

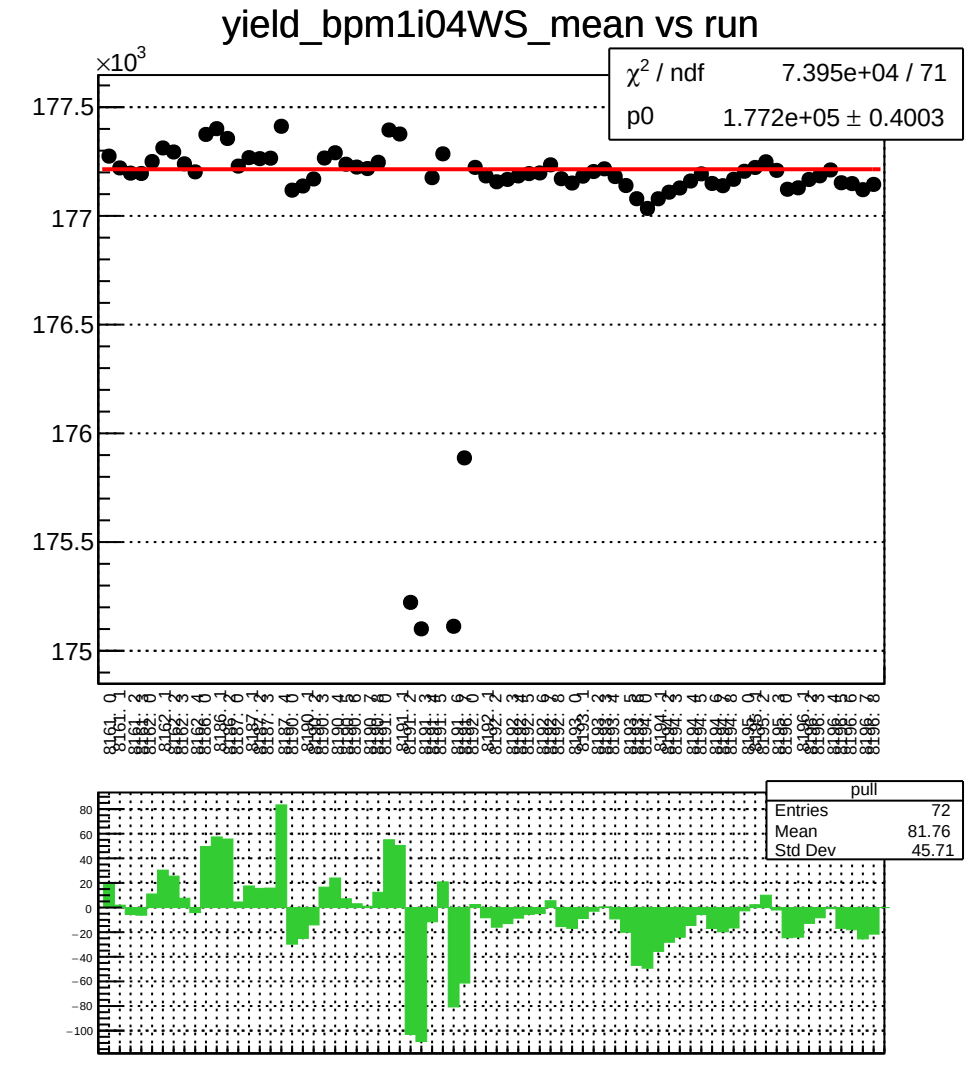

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

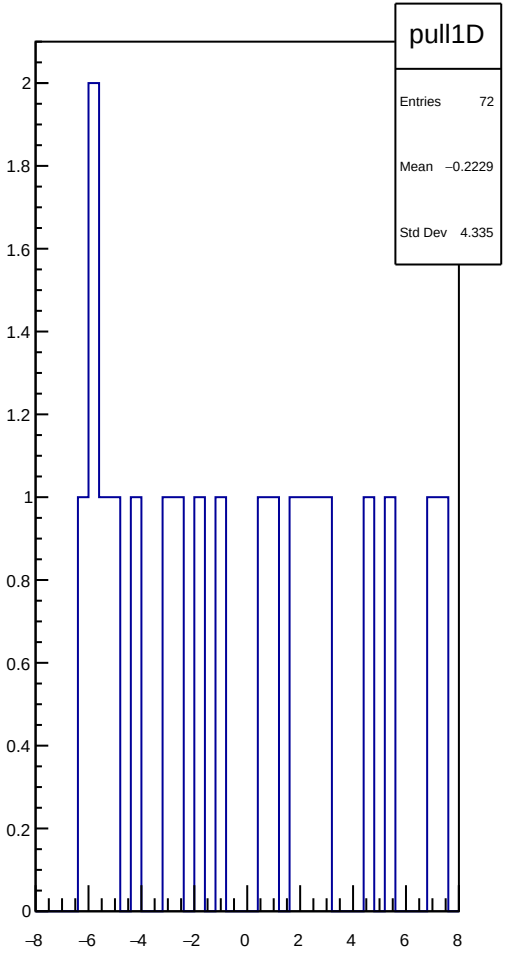

yield_bpm0i07WS_rms vs run
χ² / ndf 1.022e+06 / 71
p0 33.59 ± 0.05398
3000
2500
2000
1500
1000
500

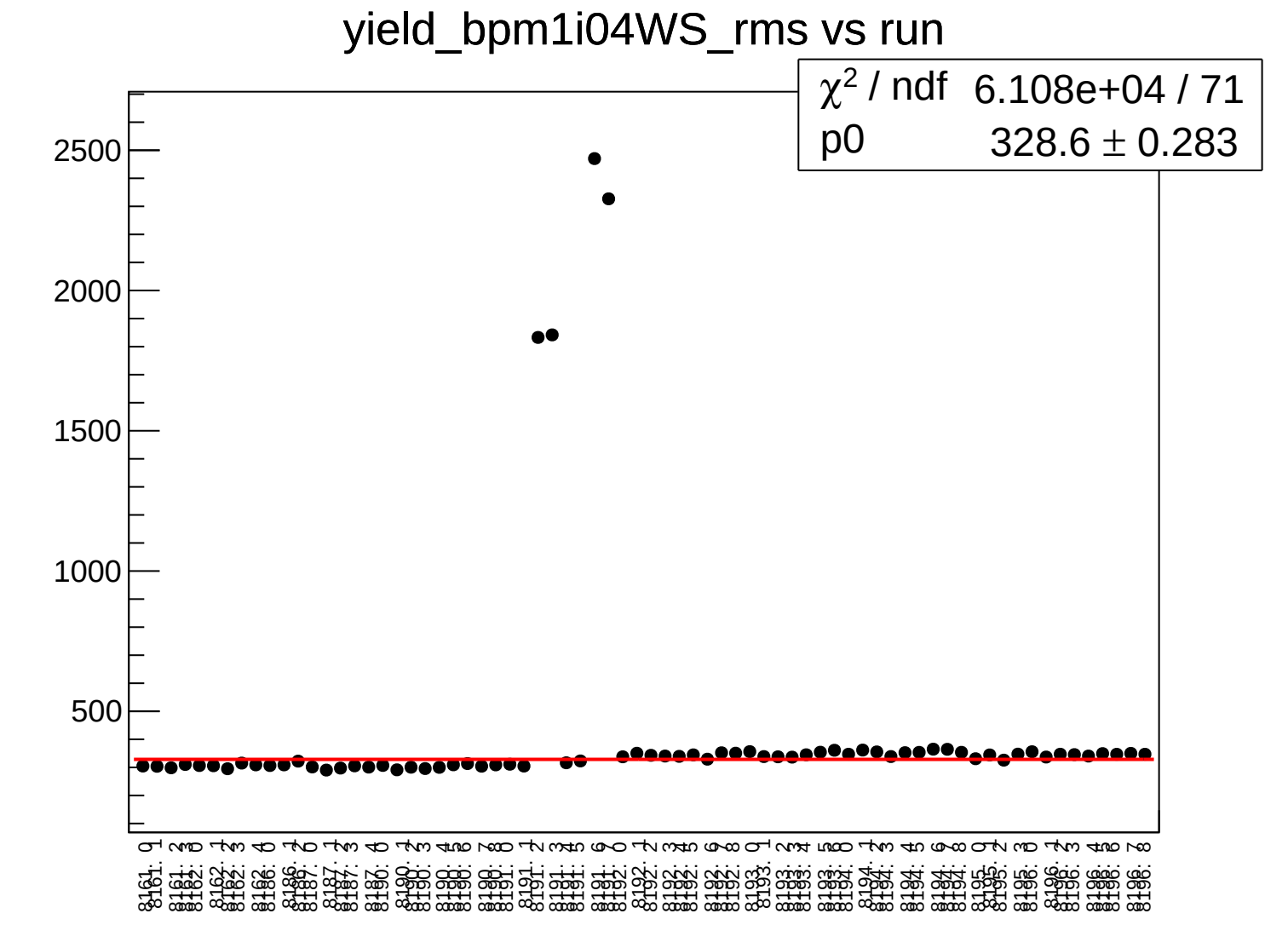

yield_bpm1i02WS_mean vs run
×10^3
χ² / ndf 1.367e+05 / 71
p0 1.747e+05 ± 0.3846
175
174.5
174
173.5
173
172.5
pull
Entries 72
Mean 59.01
Std Dev 23.27
100
50
0
−50
−100

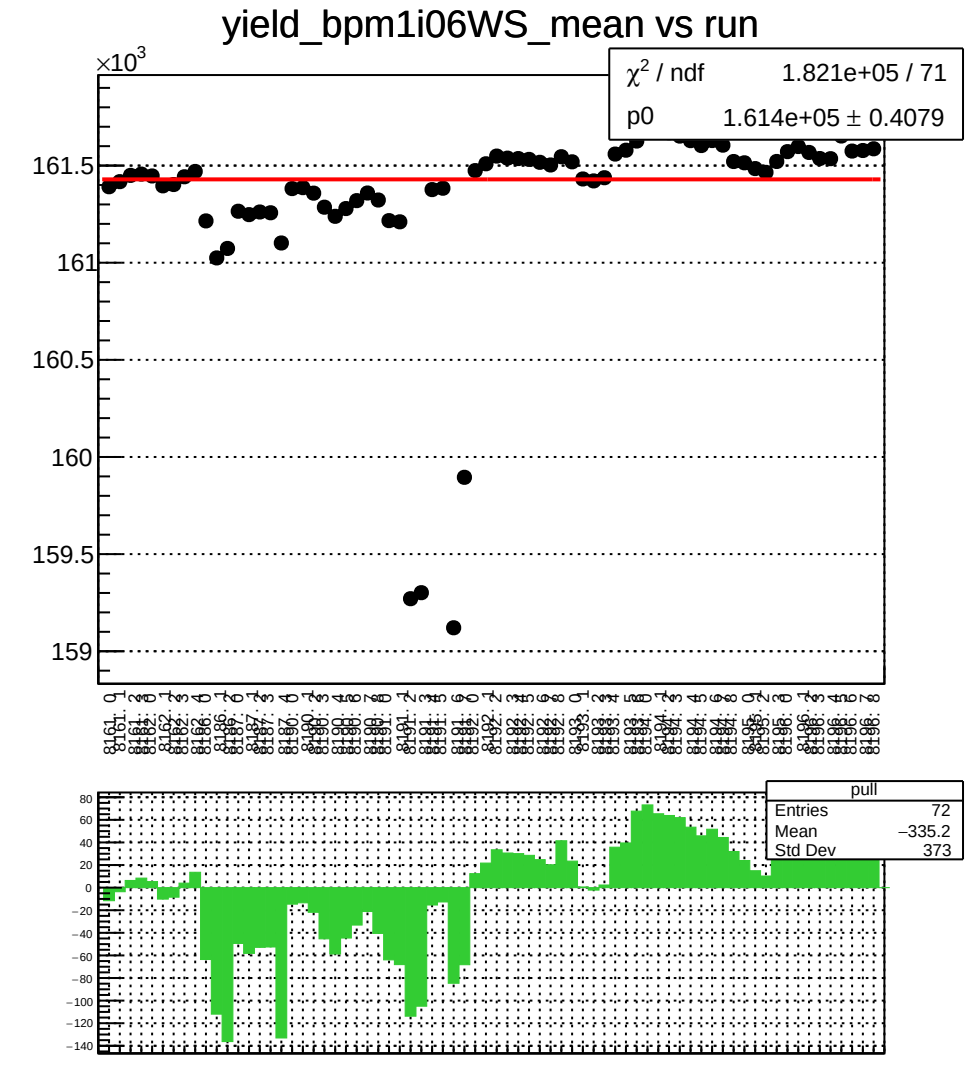

pull1D
Entries 72
Mean −0.2458
Std Dev 5.031
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

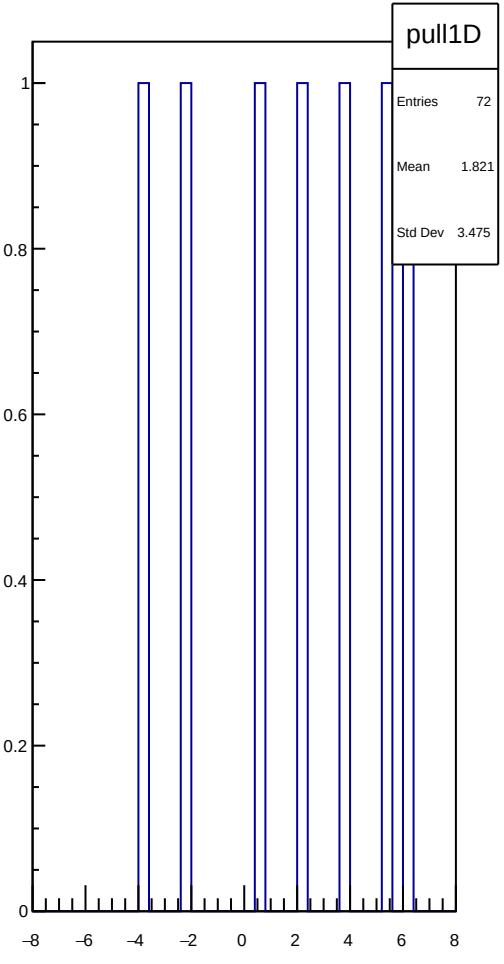

yield_bpm1i02WS_rms vs run
χ² / ndf 5.874e+04 / 71
p0 316 ± 0.2719
2500
2000
1500
1000
500

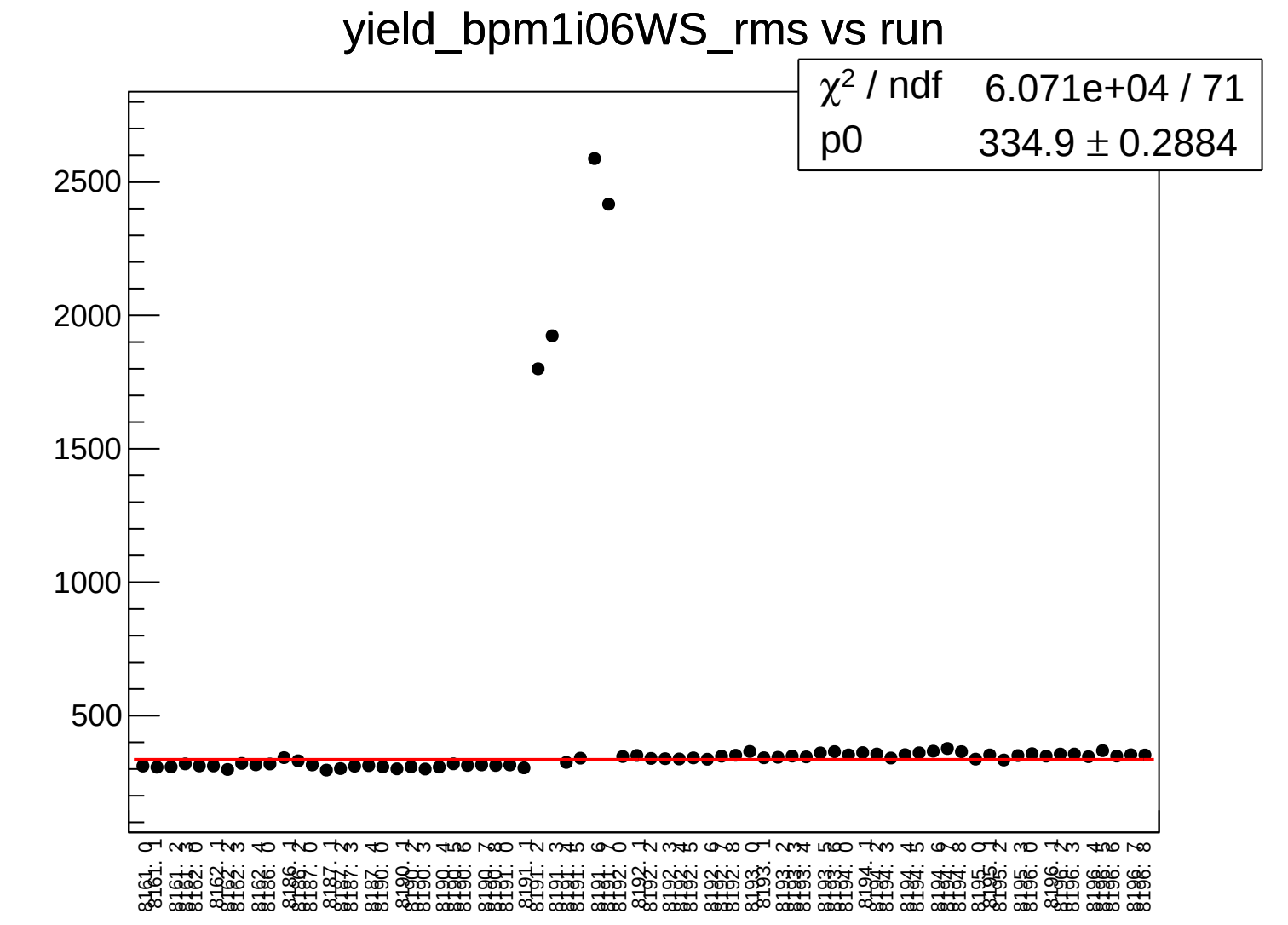

yield_bpm1i04WS_mean vs run
×10^3
χ^2 / ndf 7.395e+04 / 71
p0 1.772e+05 ± 0.4003
177.5
177
176.5
176
175.5
175
pull
Entries 72
Mean 81.76
Std Dev 45.71
80
60
40
20
0
−20
−40
−60
−80
−100

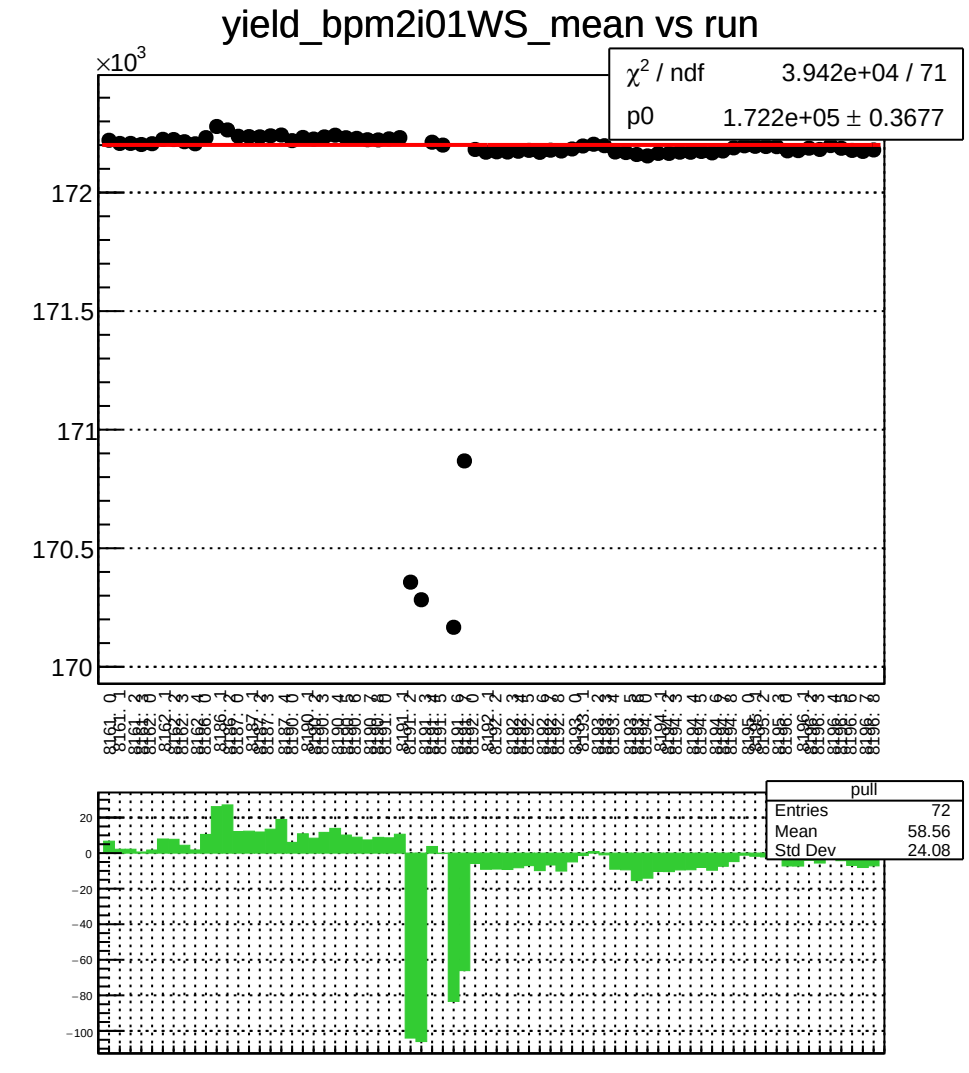

pull1D
Entries 72
Mean −0.2229
Std Dev 4.335
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

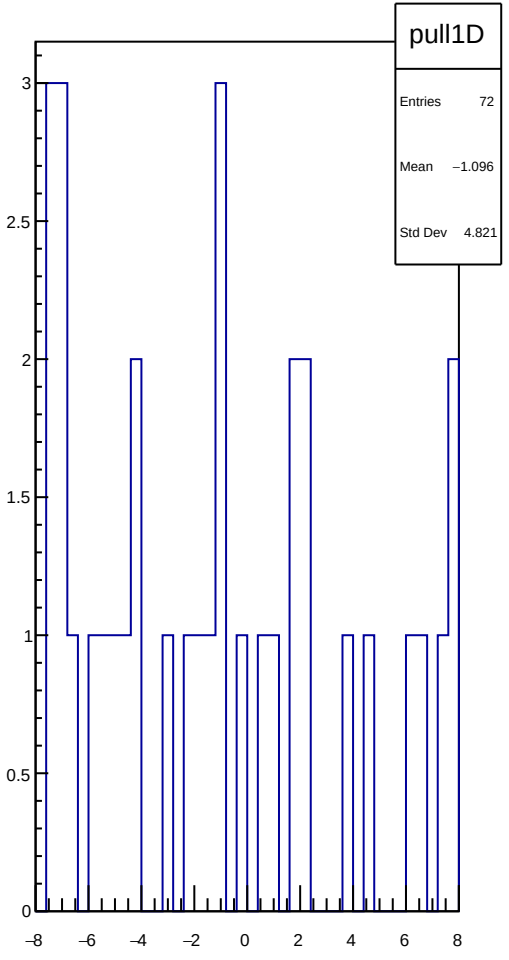

yield_bpm1i04WS_rms vs run
χ² / ndf 6.108e+04 / 71
p0 328.6 ± 0.283
2500
2000
1500
1000
500

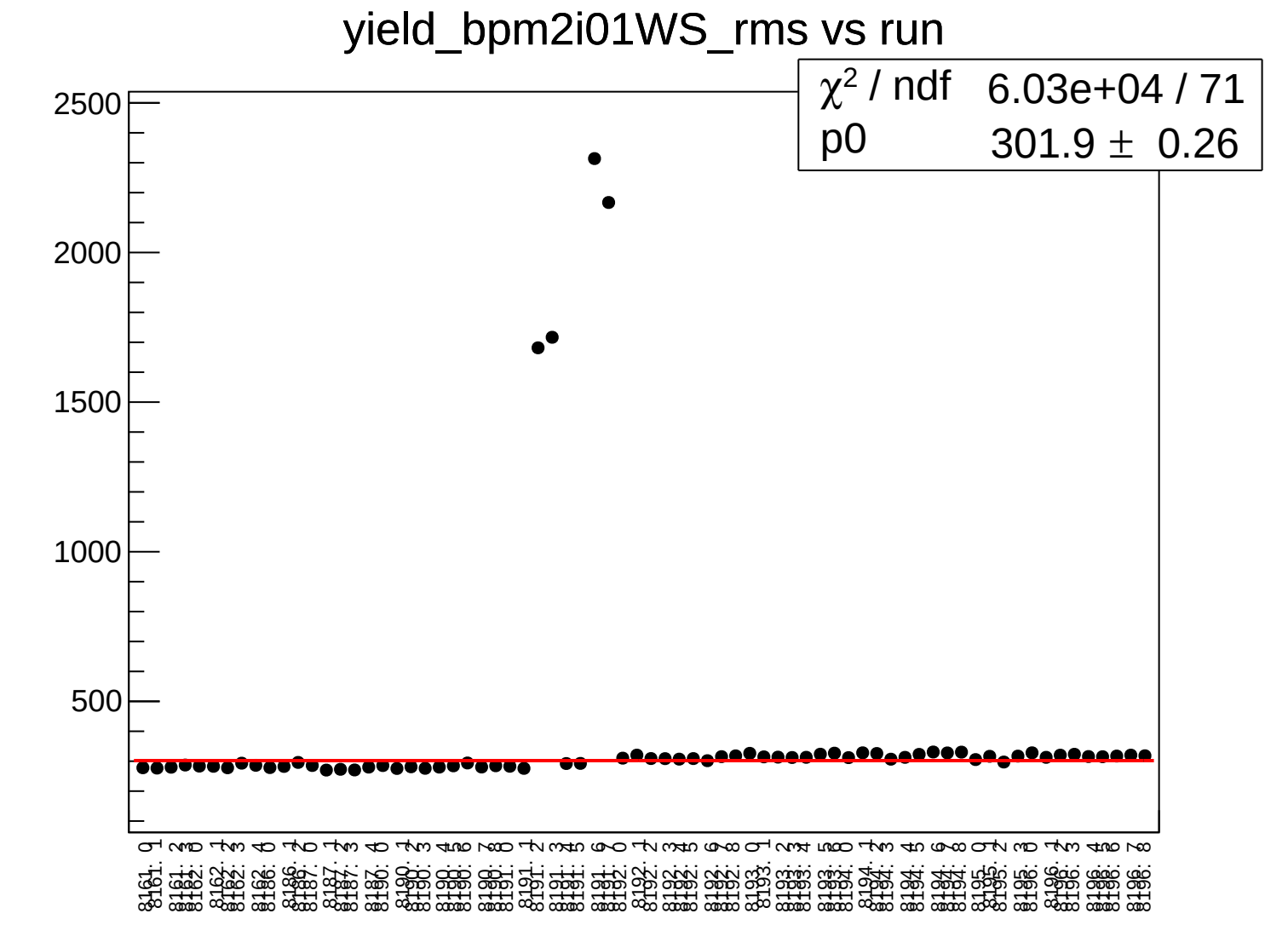

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 1.821e+05 / 71
p0 1.614e+05 ± 0.4079
161.5
161
160.5
160
159.5
159
pull
Entries 72
Mean −335.2
Std Dev 373
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140

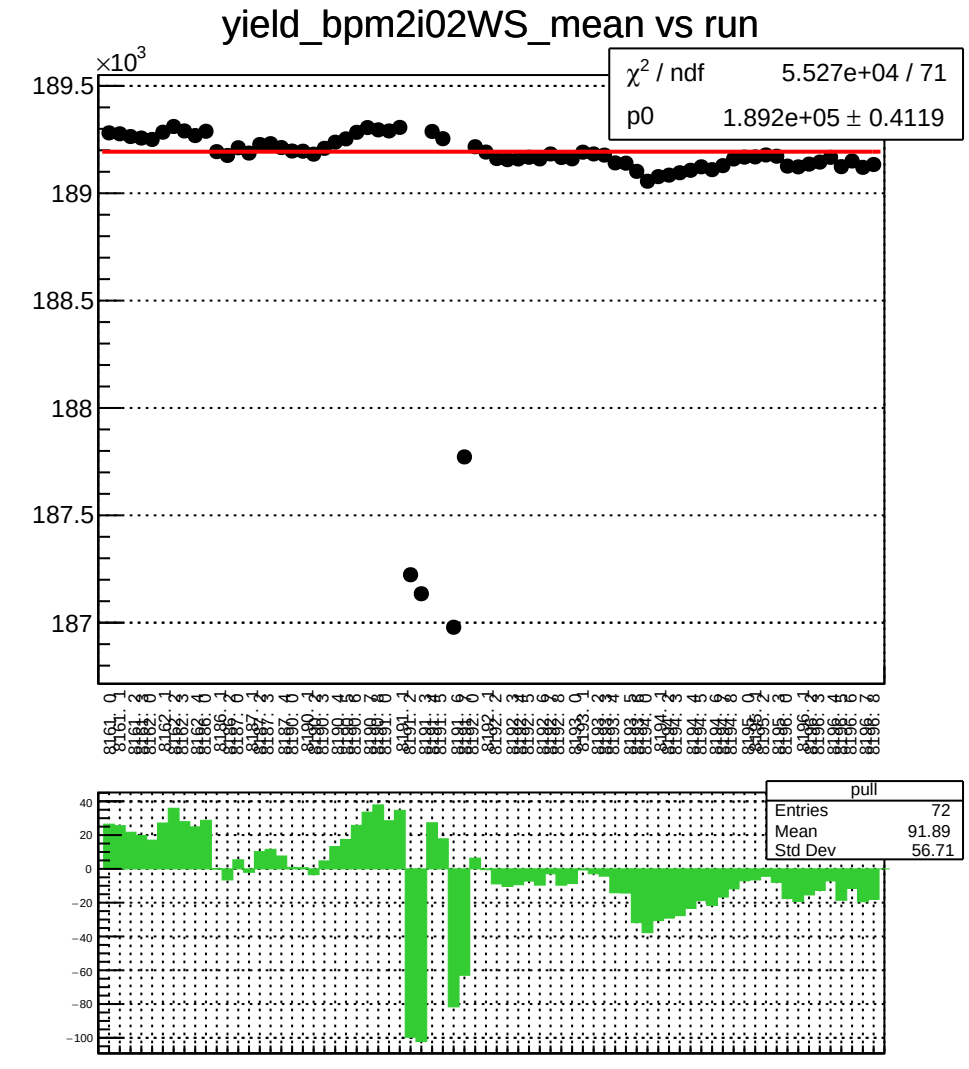

pull1D
Entries 72
Mean 1.821
Std Dev 3.475
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

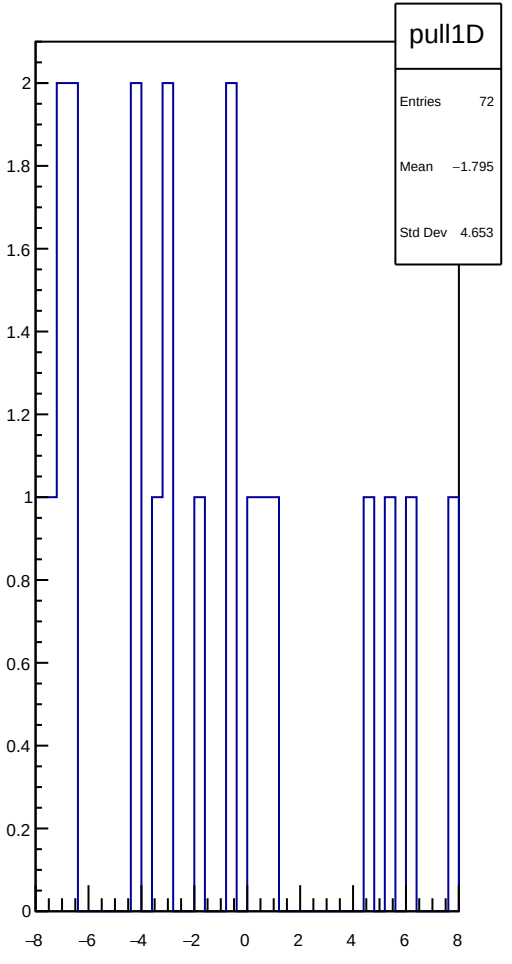

yield_bpm1i06WS_rms vs run
χ² / ndf 6.071e+04 / 71
p0 334.9 ± 0.2884
2500
2000
1500
1000
500

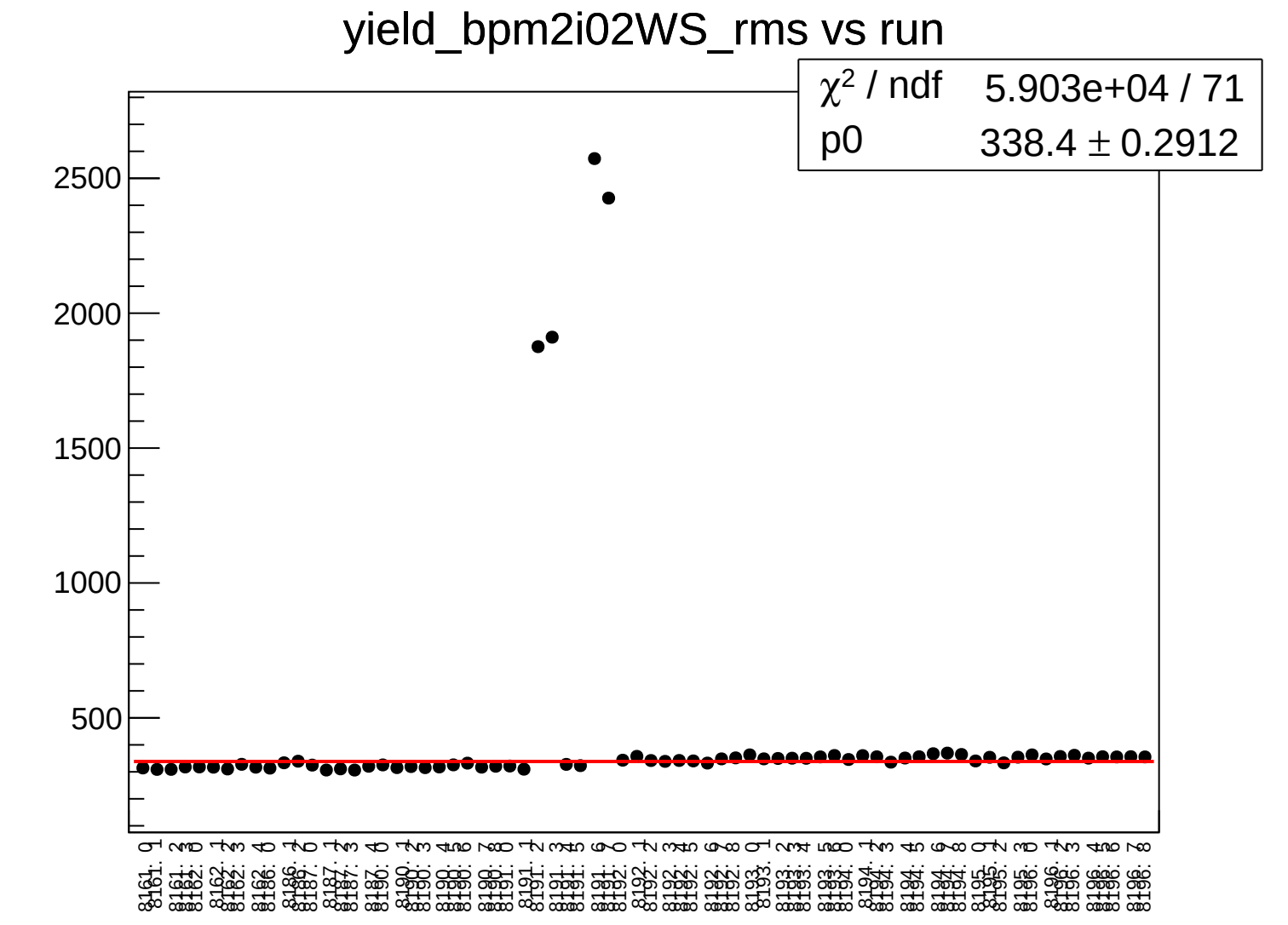

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 3.942e+04 / 71
p0 1.722e+05 ± 0.3677
172
171.5
171
170.5
170
pull
Entries 72
Mean 58.56
Std Dev 24.08
20
0
−20
−40
−60
−80
−100

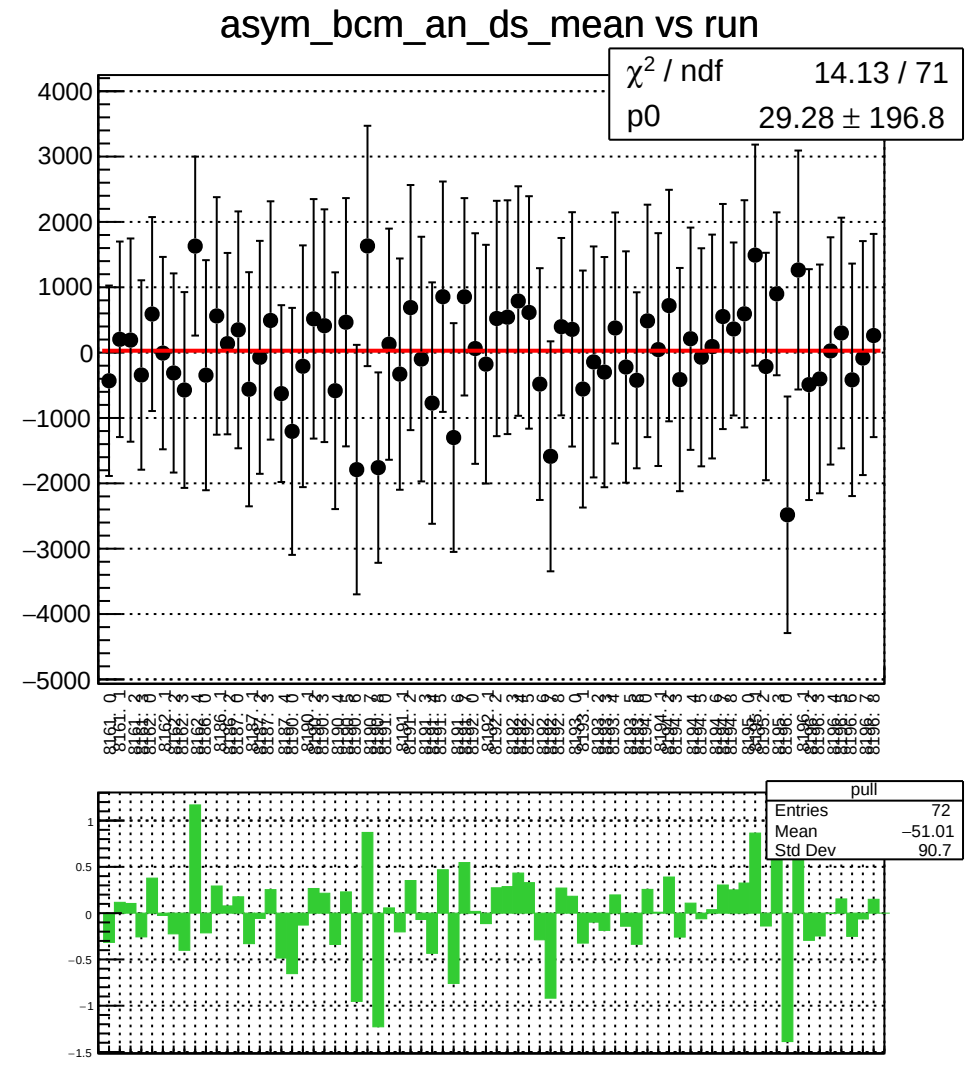

pull1D
Entries 72
Mean −1.096
Std Dev 4.821
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

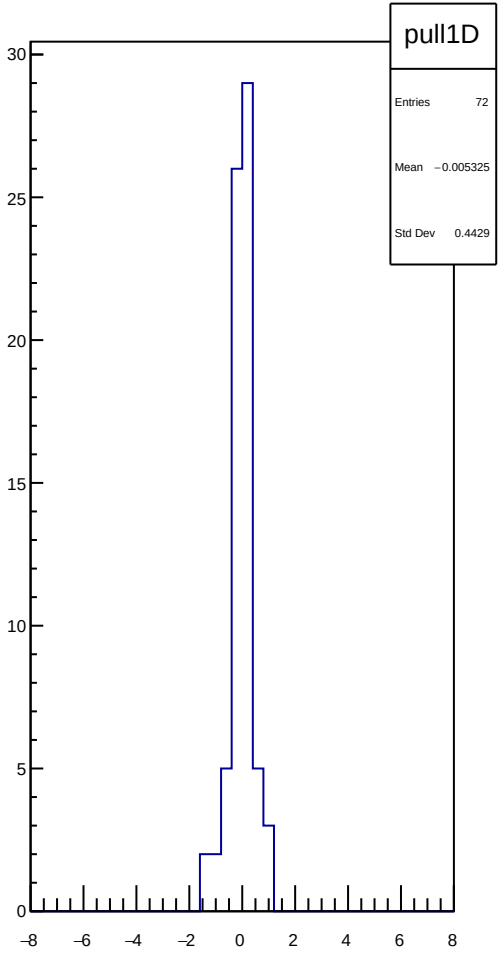

yield_bpm2i01WS_rms vs run
χ² / ndf 6.03e+04 / 71
p0 301.9 ± 0.26
2500
2000
1500
1000
500

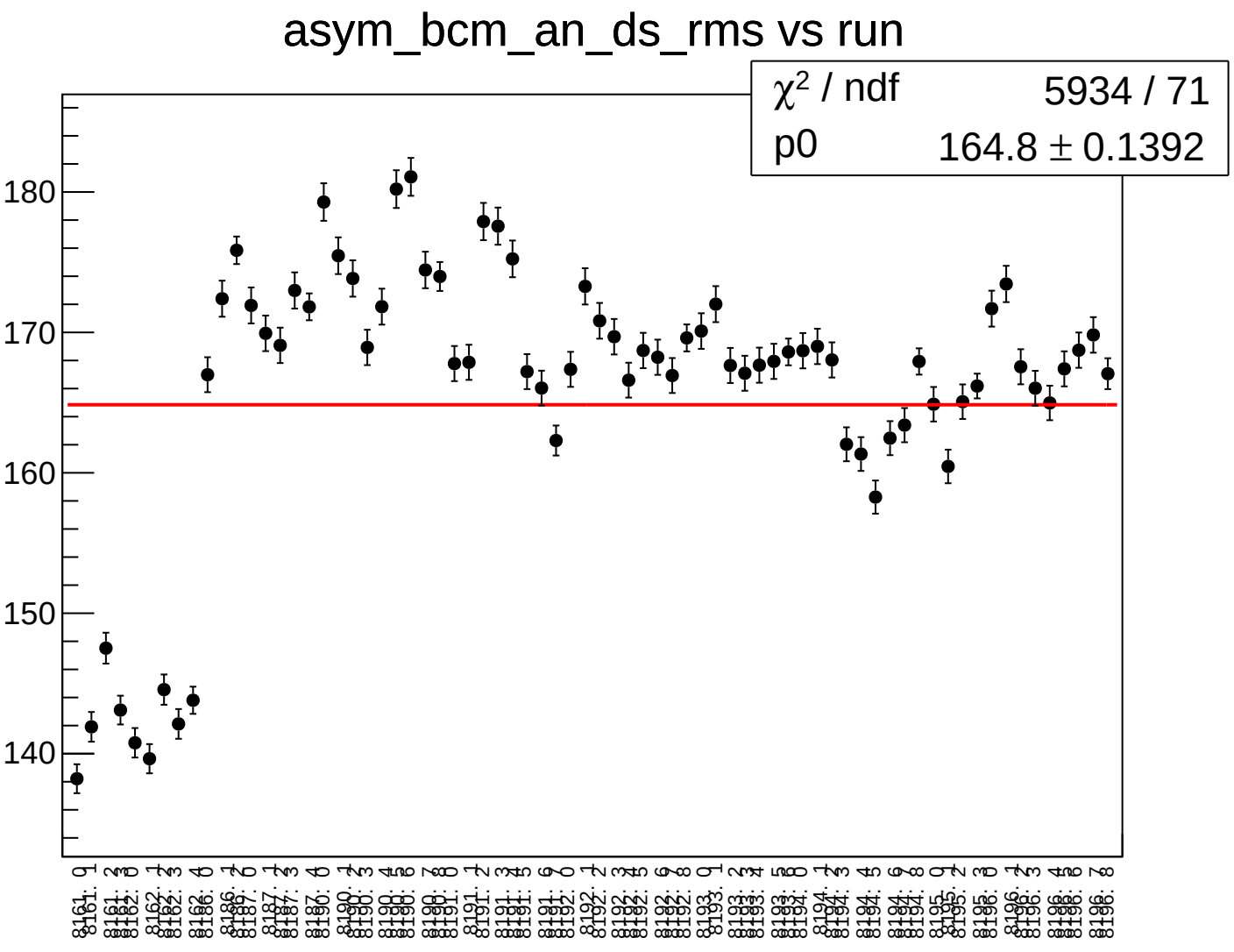

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 5.527e+04 / 71
p0 1.892e+05 ± 0.4119
189.5
189
188.5
188
187.5
187
pull
Entries 72
Mean 91.89
Std Dev 56.71
40
20
0
−20
−40
−60
−80
−100

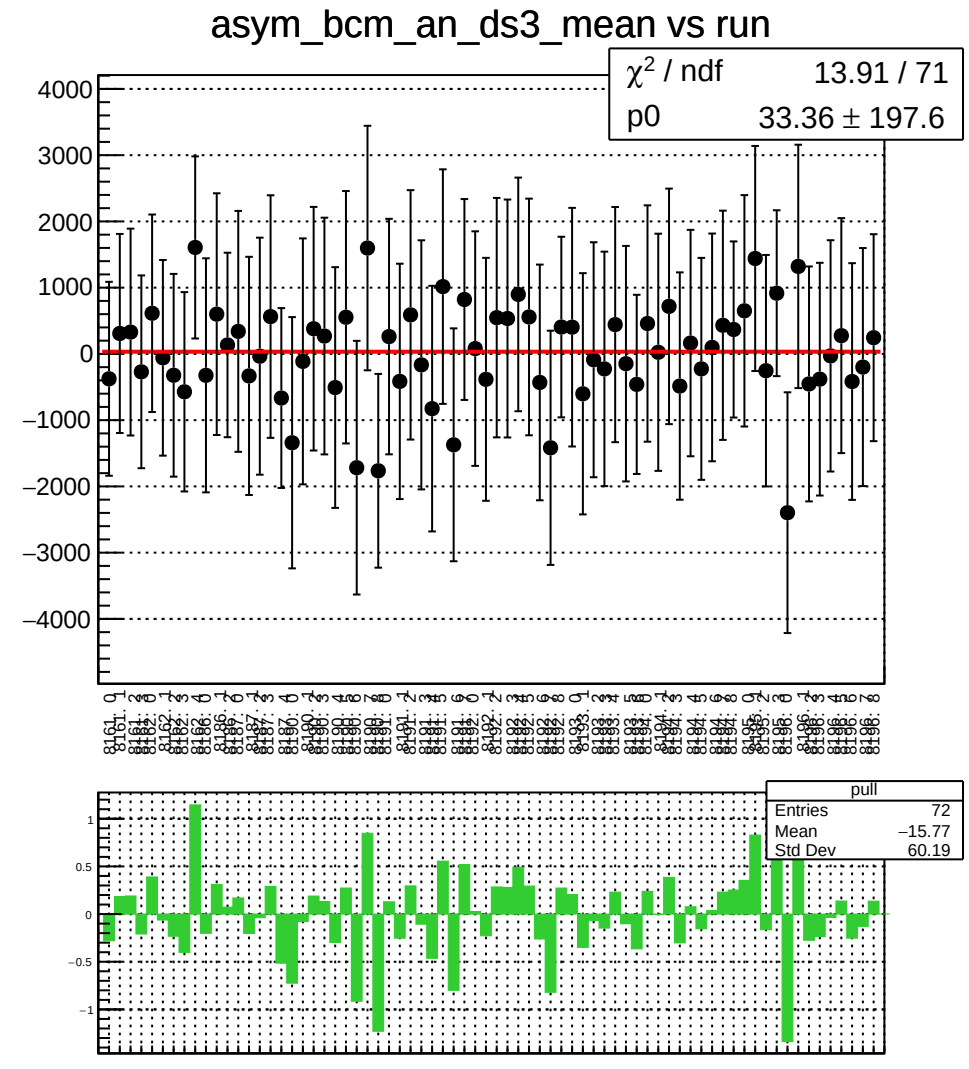

pull1D
Entries 72
Mean −1.795
Std Dev 4.653
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

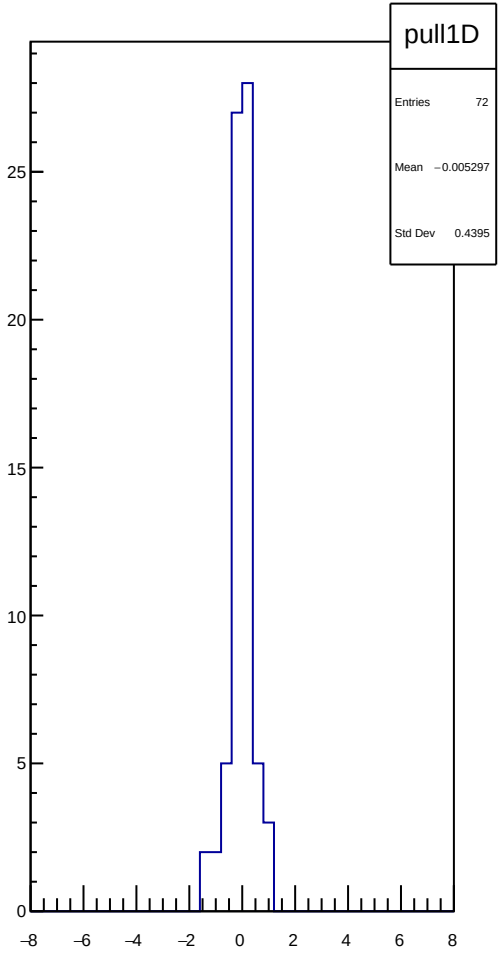

yield_bpm2i02WS_rms vs run
χ² / ndf 5.903e+04 / 71
p0 338.4 ± 0.2912
2500
2000
1500
1000
500

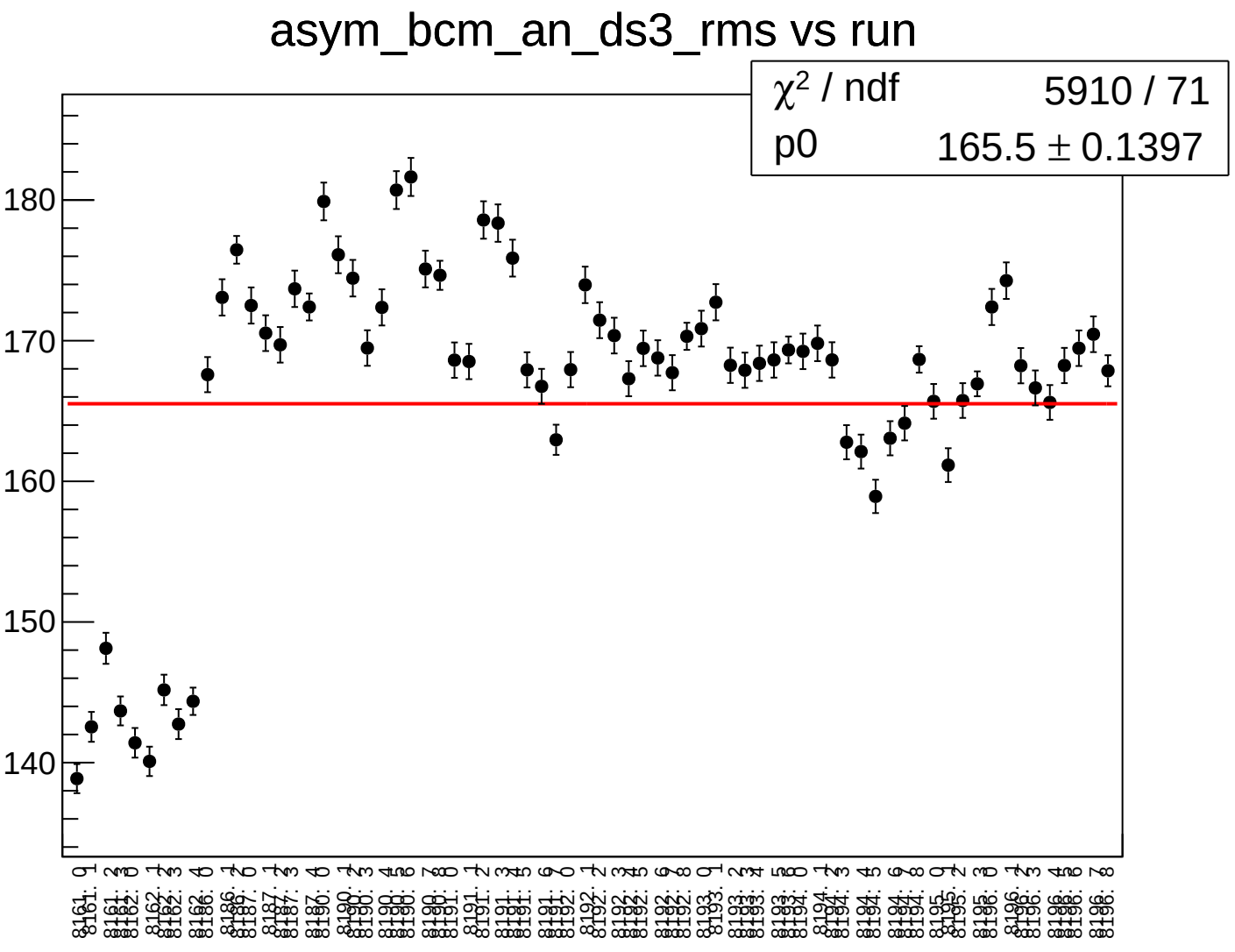

asym_bcm_an_ds_mean vs run
χ² / ndf 14.13 / 71
p0 29.28 ± 196.8
pull
Entries 72
Mean −51.01
Std Dev 90.7

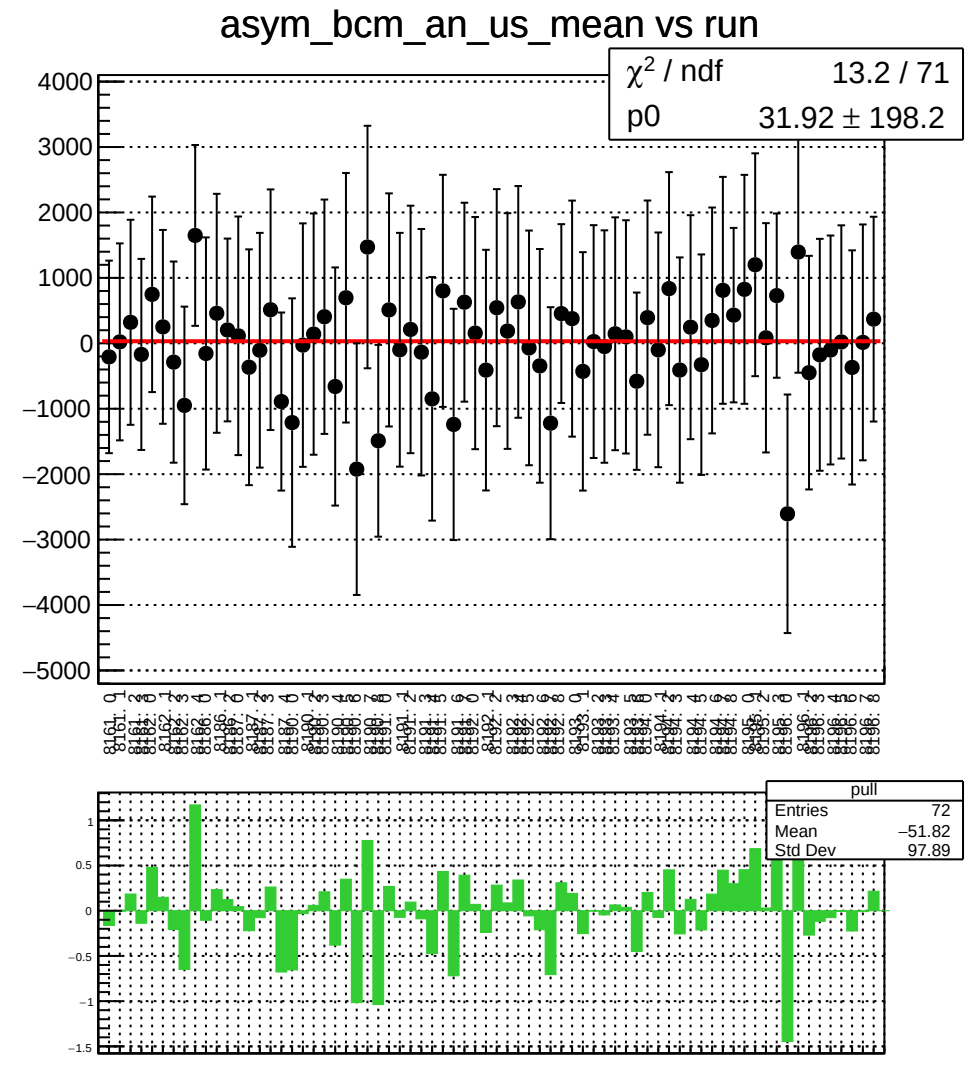

pull1D
Entries 72
Mean −0.005325
Std Dev 0.4429

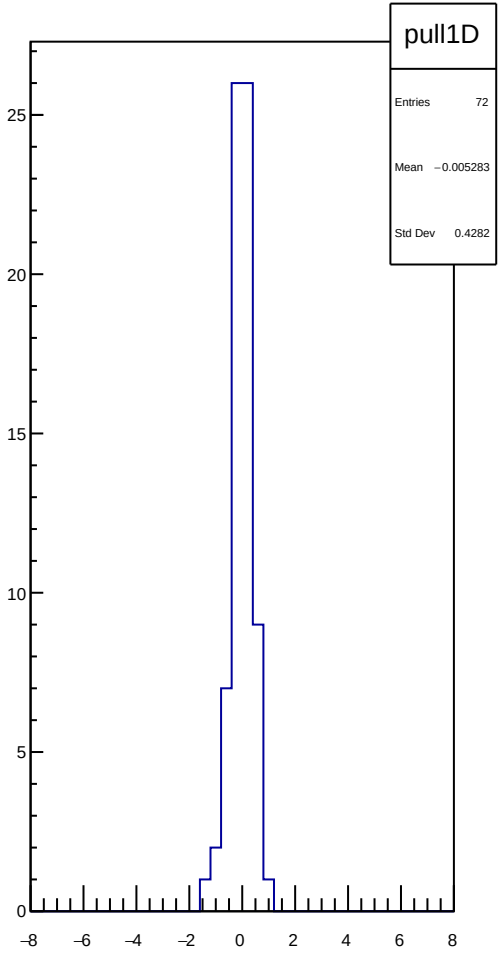

asym_bcm_an_ds_rms vs run
χ² / ndf 5934 / 71
p0 164.8 ± 0.1392
180
170
160
150
140

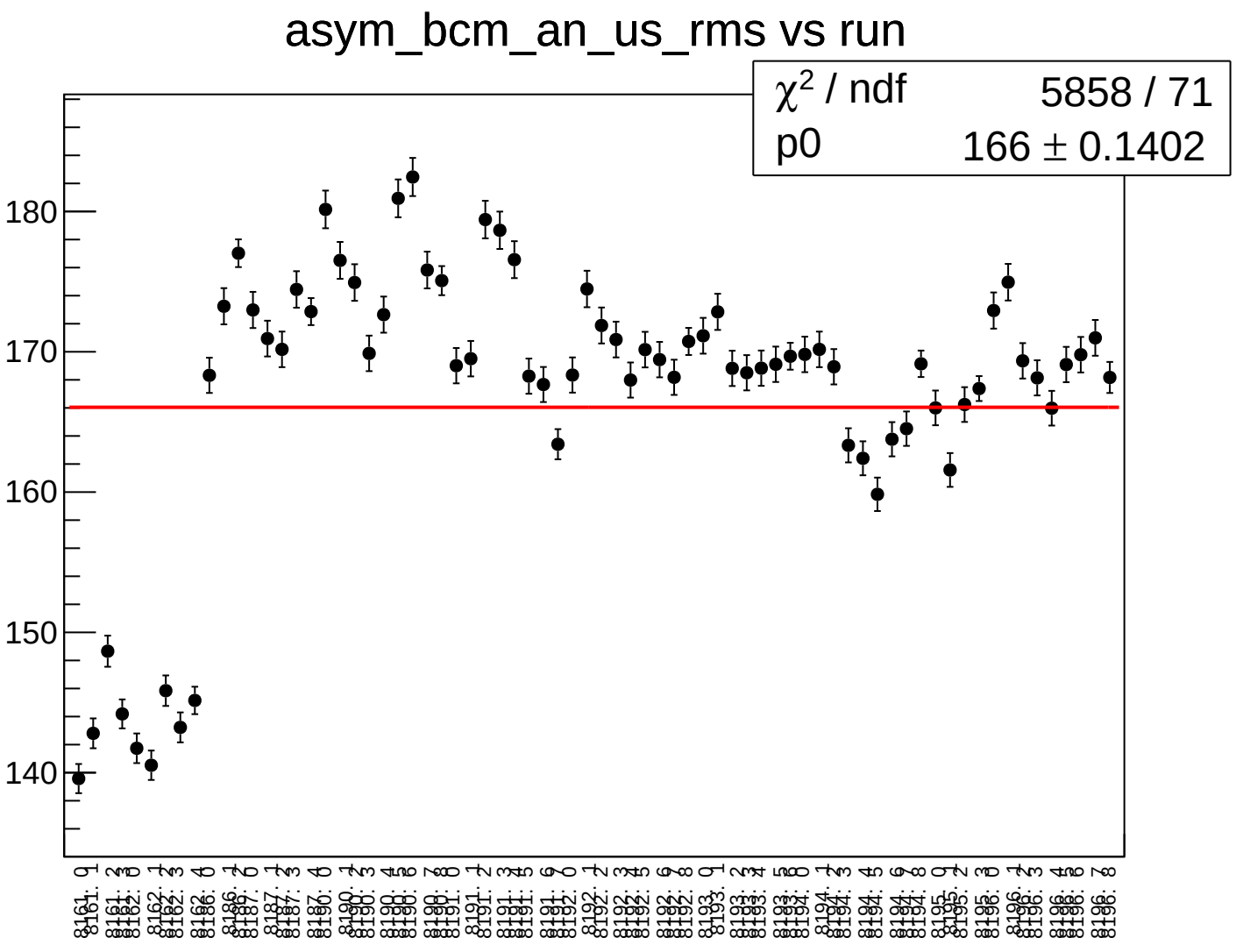

asym_bcm_an_ds3_mean vs run
χ² / ndf 13.91 / 71
p0 33.36 ± 197.6
pull
Entries 72
Mean −15.77
Std Dev 60.19

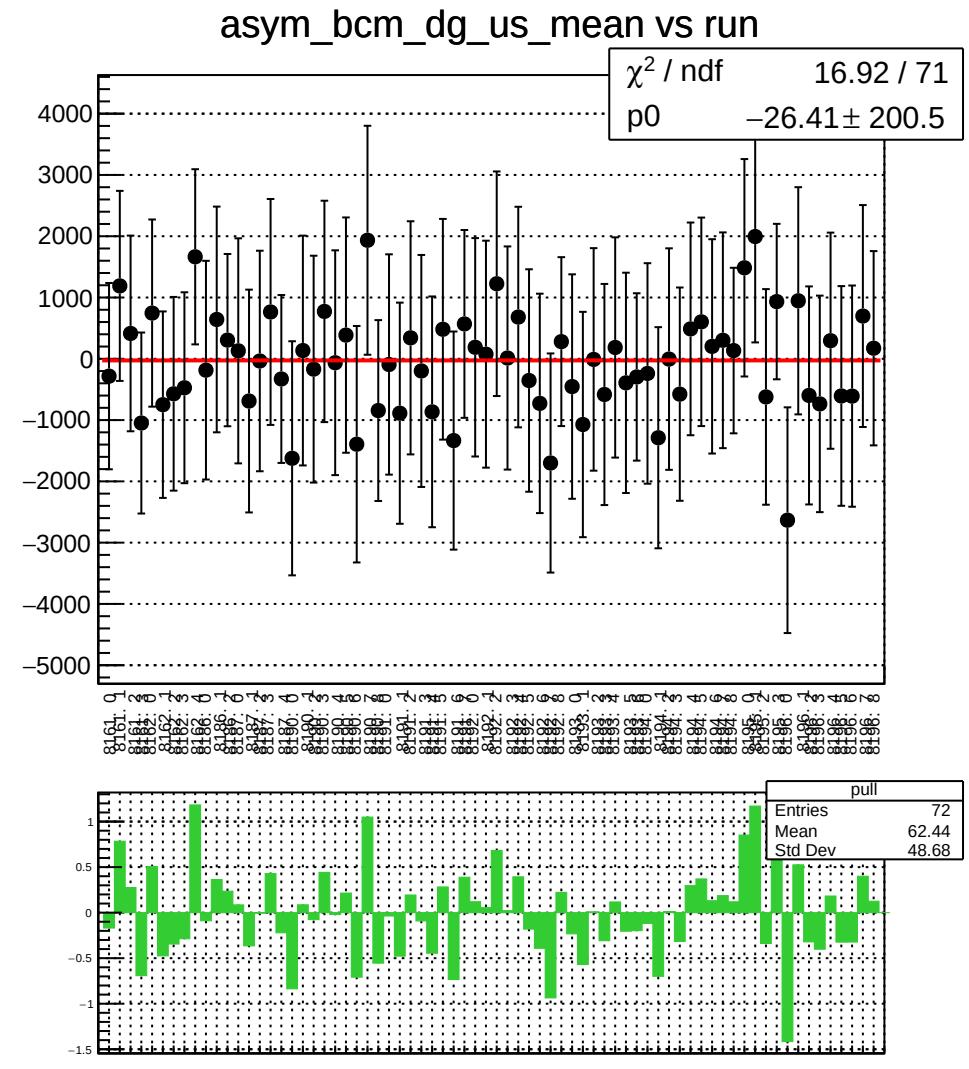

pull1D
Entries 72
Mean −0.005297
Std Dev 0.4395

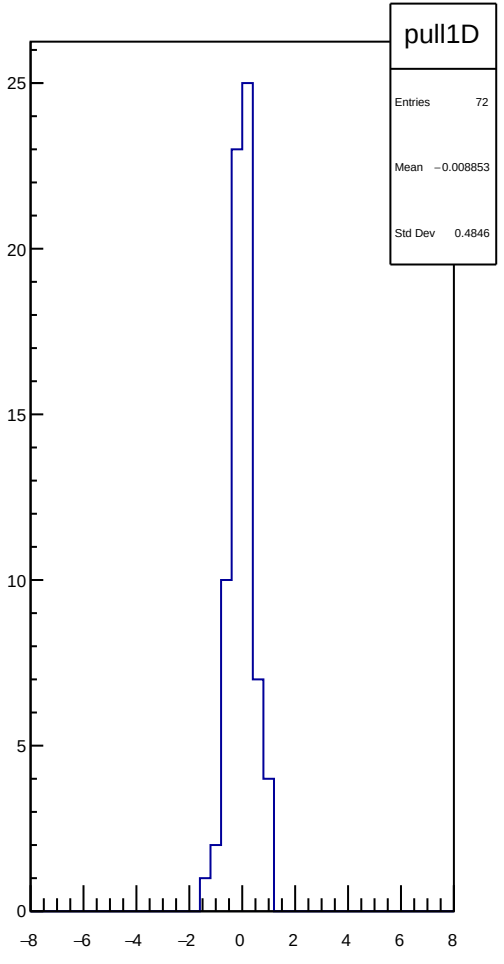

asym_bcm_an_ds3_rms vs run
χ² / ndf 5910 / 71
p0 165.5 ± 0.1397
180
170
160
150
140

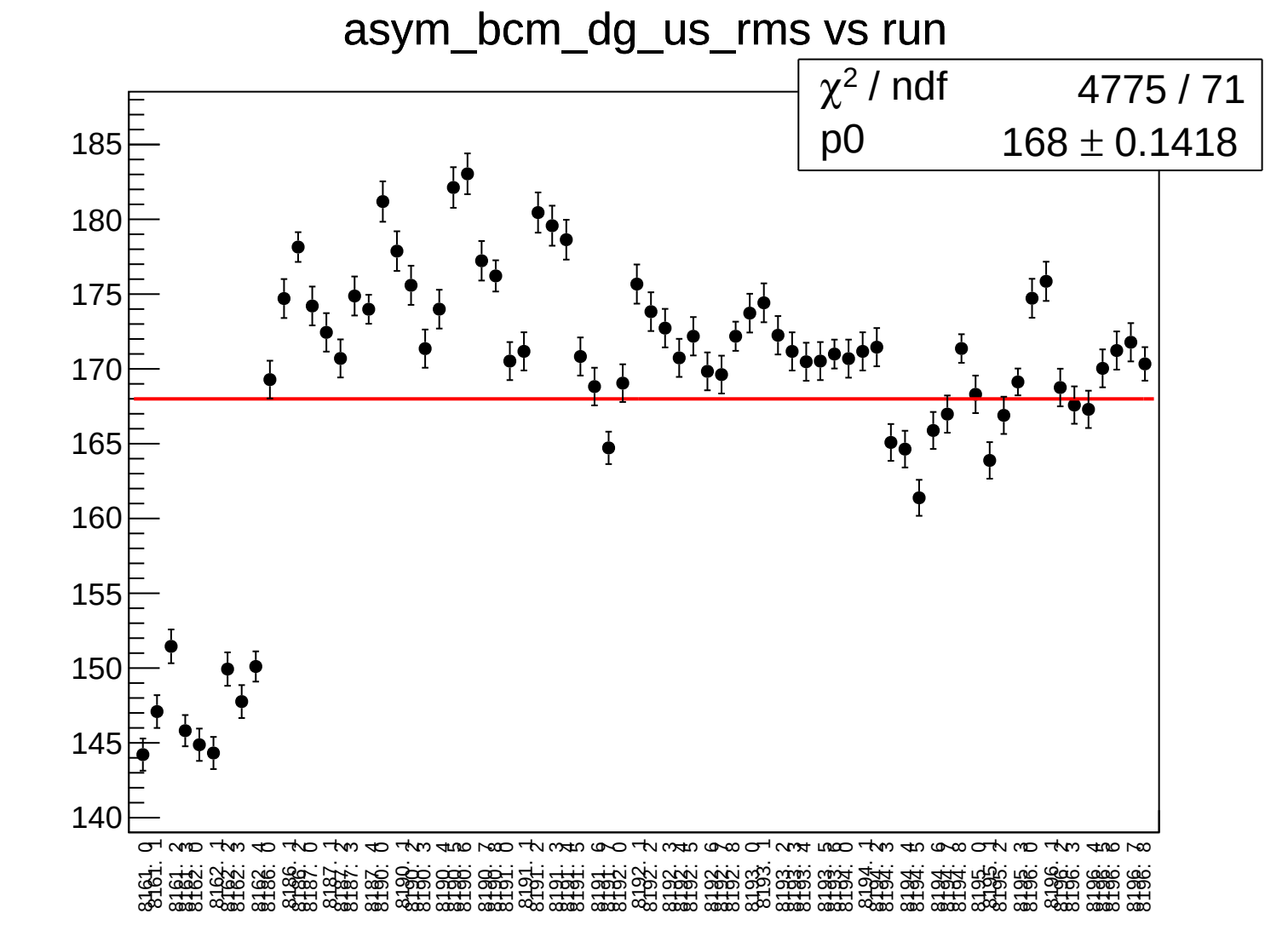

asym_bcm_an_us_mean vs run
χ² / ndf 13.2 / 71
p0 31.92 ± 198.2
pull
Entries 72
Mean −51.82
Std Dev 97.89

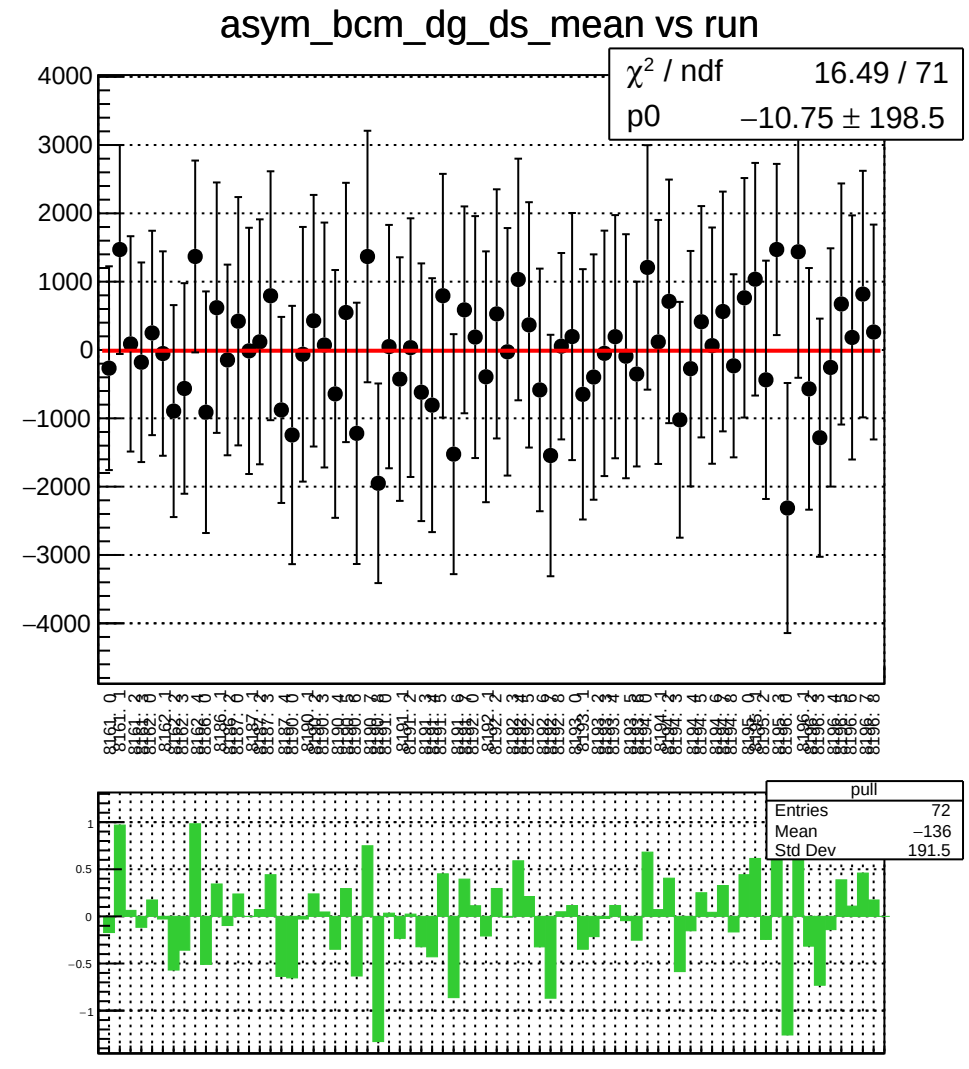

pull1D
Entries 72
Mean −0.005283
Std Dev 0.4282

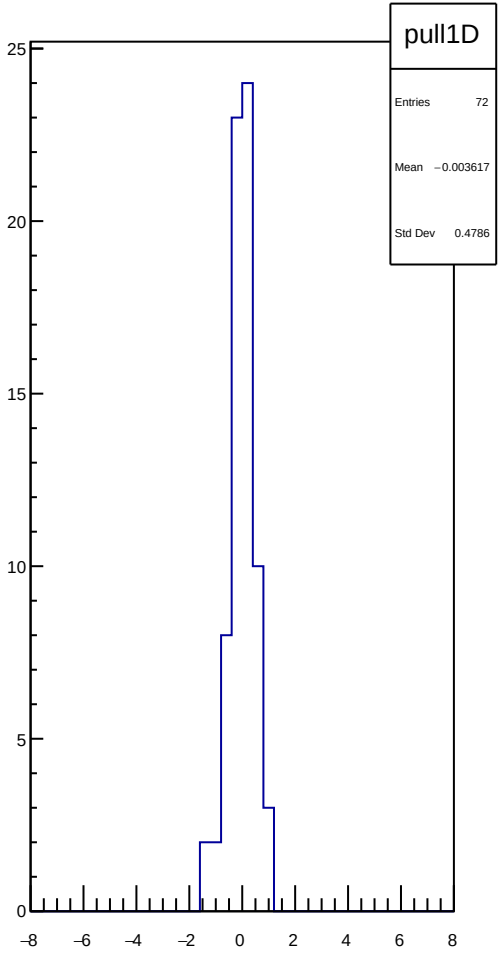

asym_bcm_an_us_rms vs run
χ^2 / ndf 5858 / 71
p0 166 ± 0.1402
180
170
160
150
140

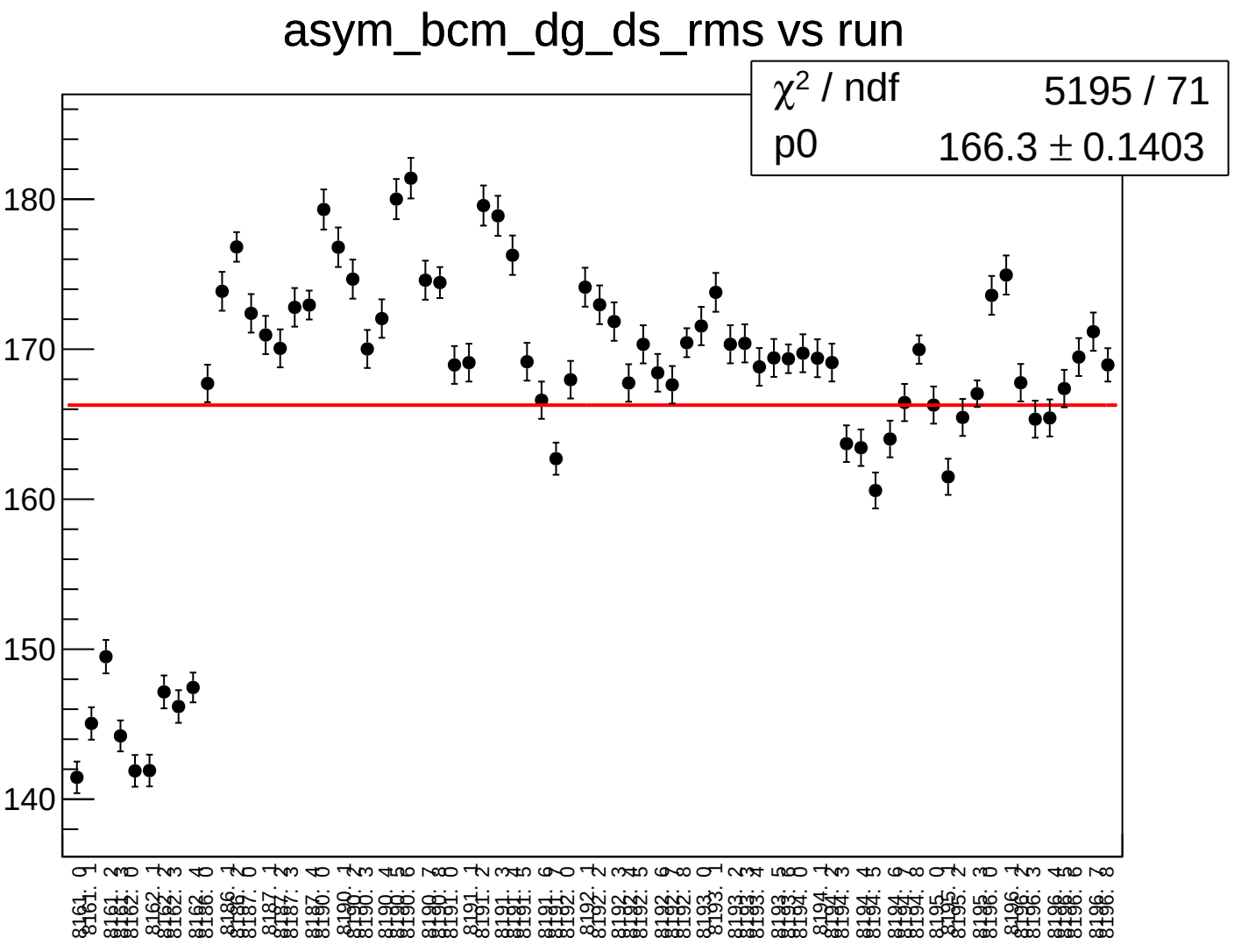

asym_bcm_dg_us_mean vs run
χ² / ndf 16.92 / 71
p0 −26.41 ± 200.5
pull
Entries 72
Mean 62.44
Std Dev 48.68

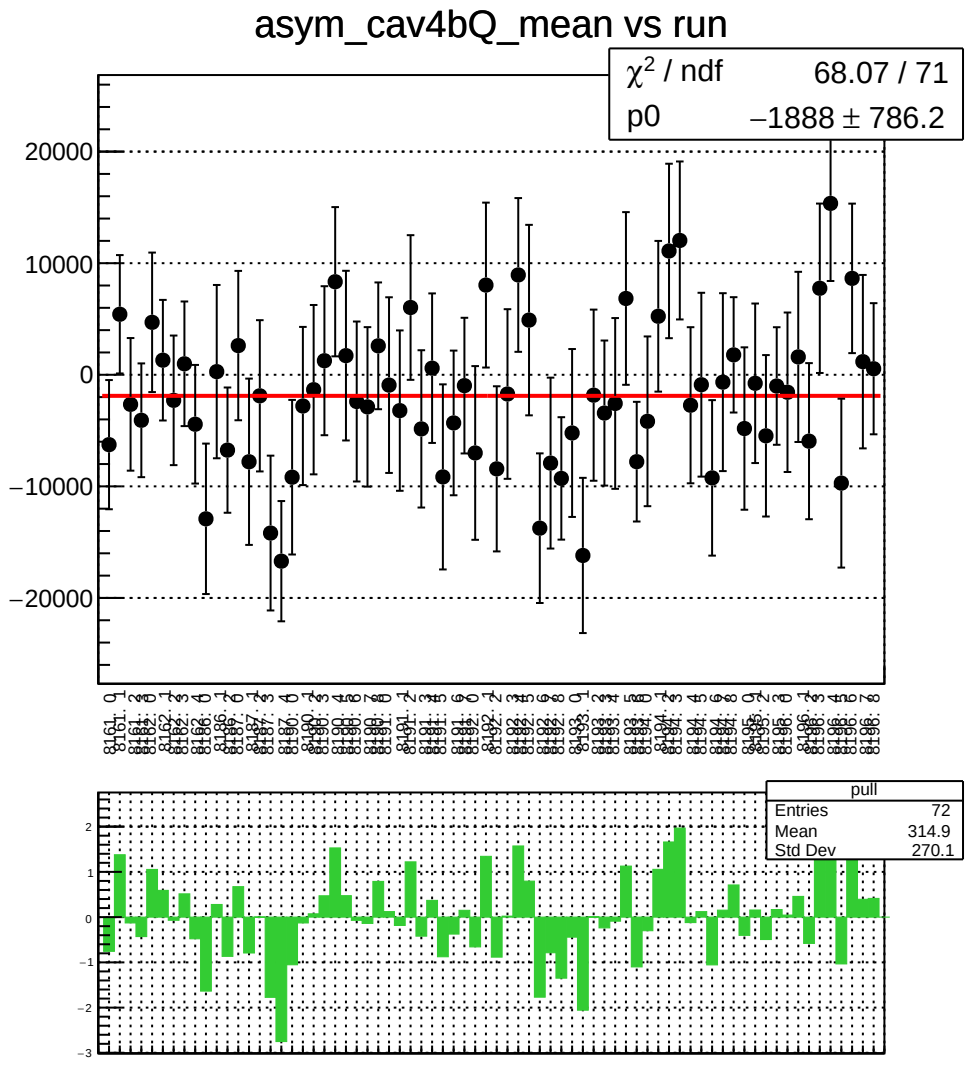

pull1D
Entries 72
Mean −0.008853
Std Dev 0.4846

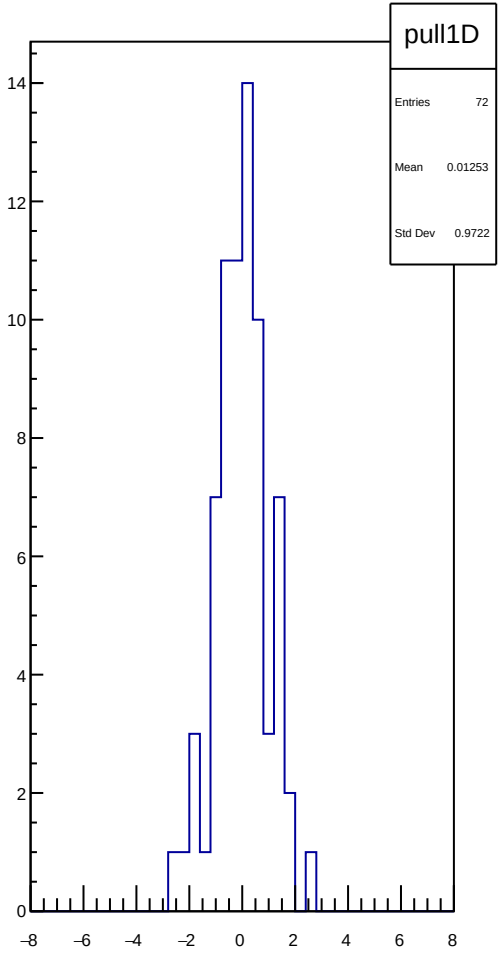

asym_bcm_dg_us_rms vs run
χ^2 / ndf 4775 / 71
p0 168 ± 0.1418
185
180
175
170
165
160
155
150
145
140

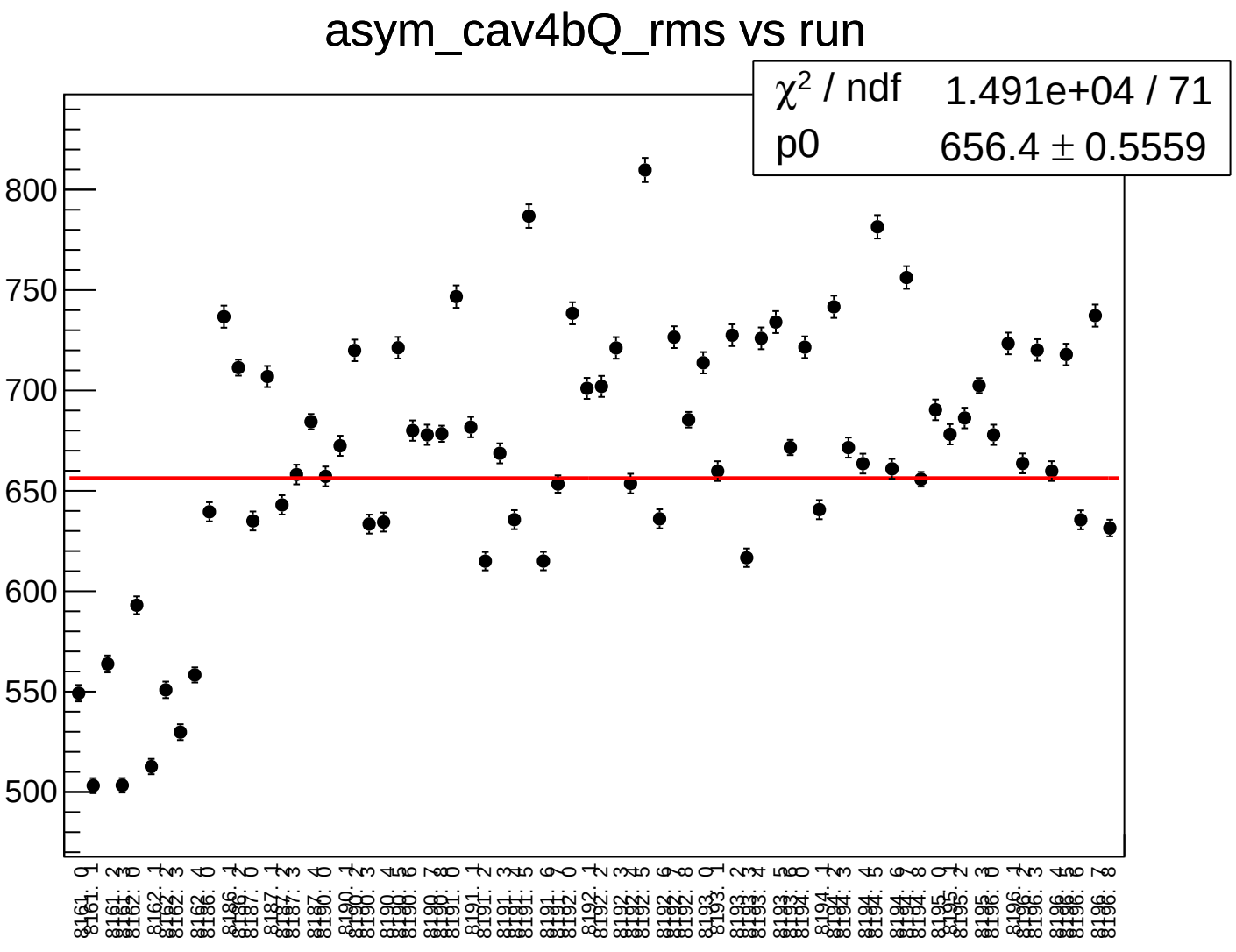

asym_bcm_dg_ds_mean vs run
χ² / ndf 16.49 / 71
p0 −10.75 ± 198.5
pull
Entries 72
Mean −136
Std Dev 191.5

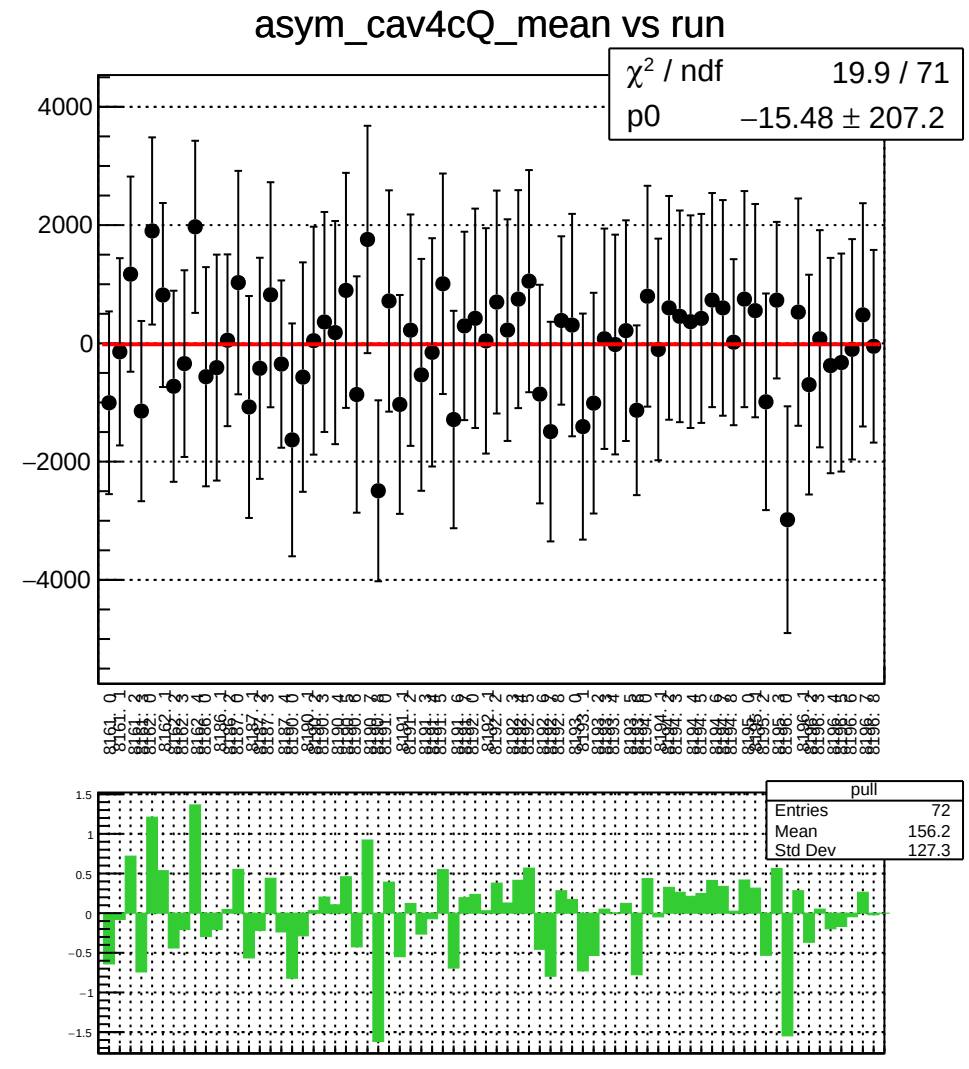

pull1D
Entries 72
Mean −0.003617
Std Dev 0.4786

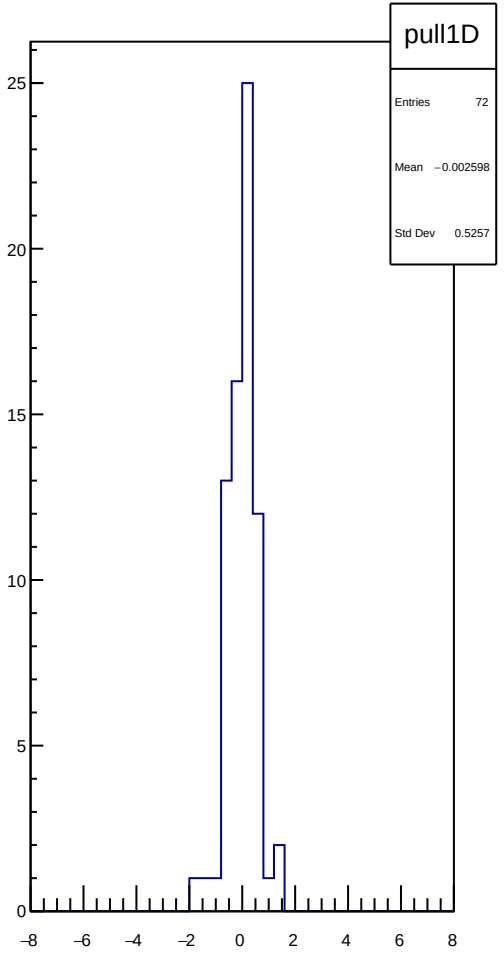

asym_bcm_dg_ds_rms vs run
χ² / ndf 5195 / 71
p0 166.3 ± 0.1403
180
170
160
150
140

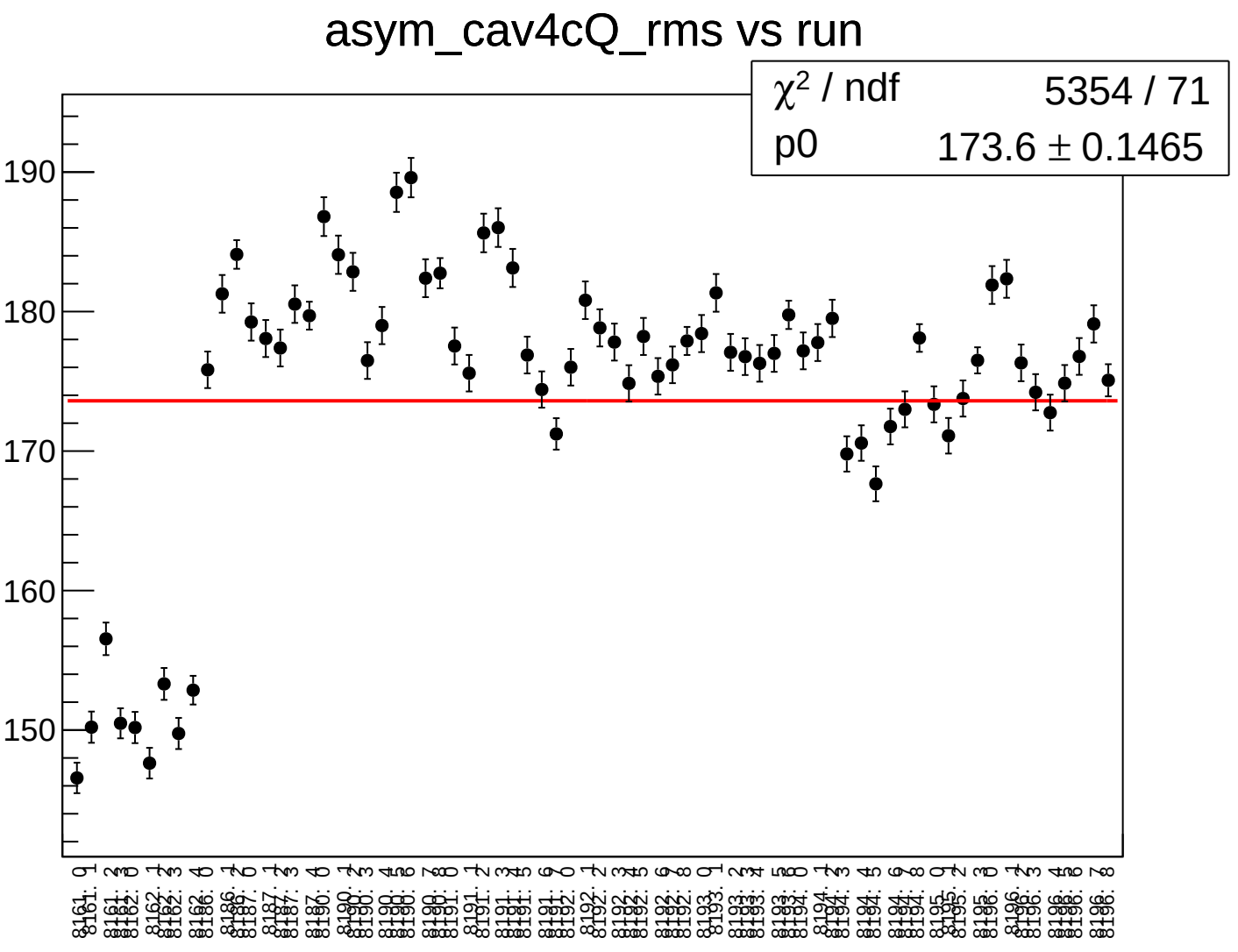

asym_cav4bQ_mean vs run
χ² / ndf 68.07 / 71
p0 −1888 ± 786.2
20000
10000
0
−10000
−20000
pull
Entries 72
Mean 314.9
Std Dev 270.1
2
1
0
−1
−2
−3

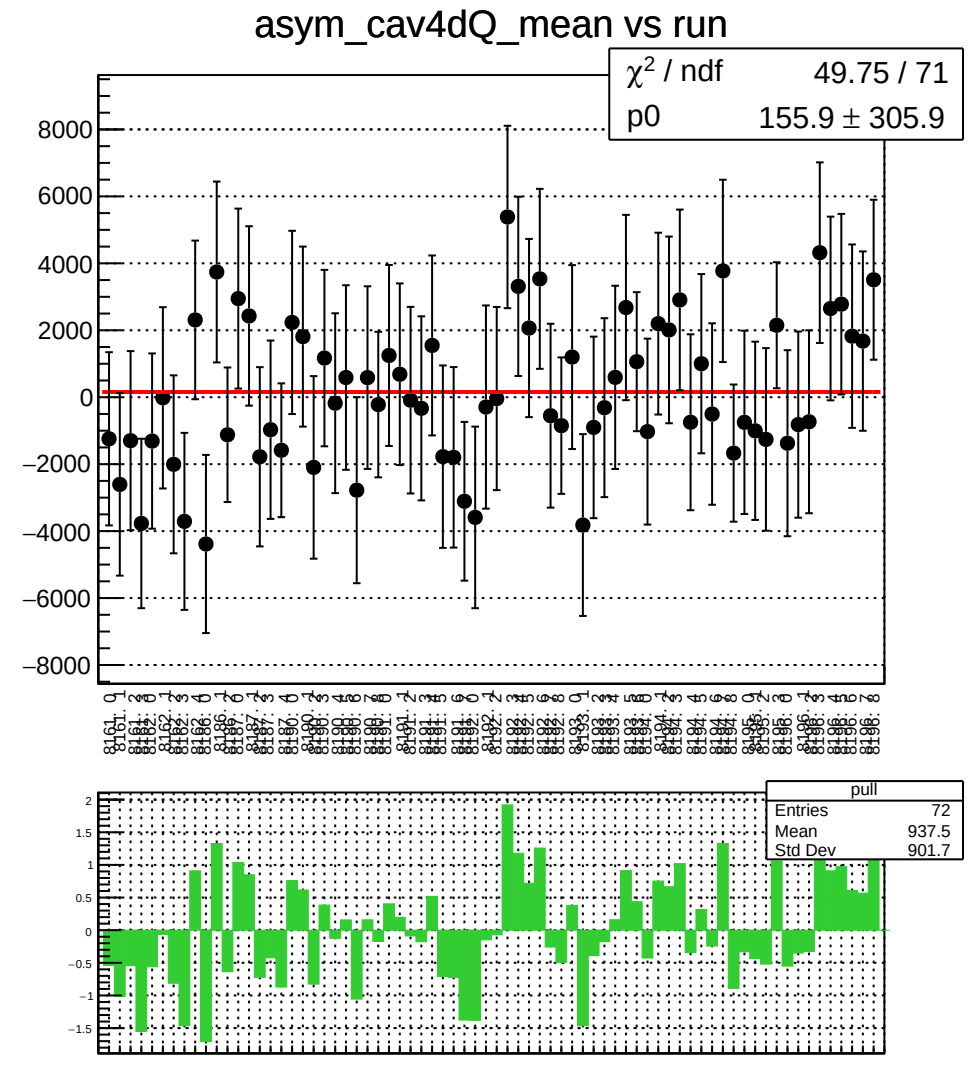

pull1D
Entries 72
Mean 0.01253
Std Dev 0.9722
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

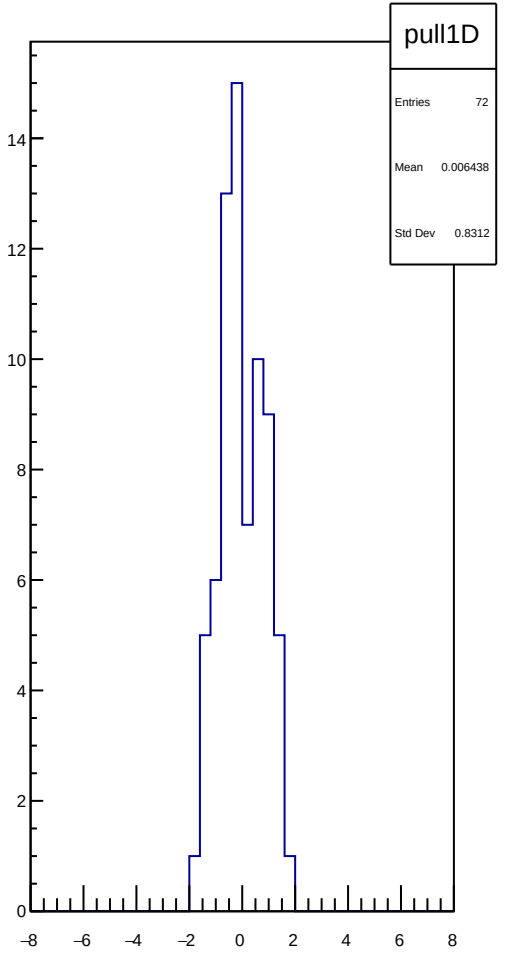

asym_cav4bQ_rms vs run
χ² / ndf 1.491e+04 / 71
p0 656.4 ± 0.5559
800
750
700
650
600
550
500

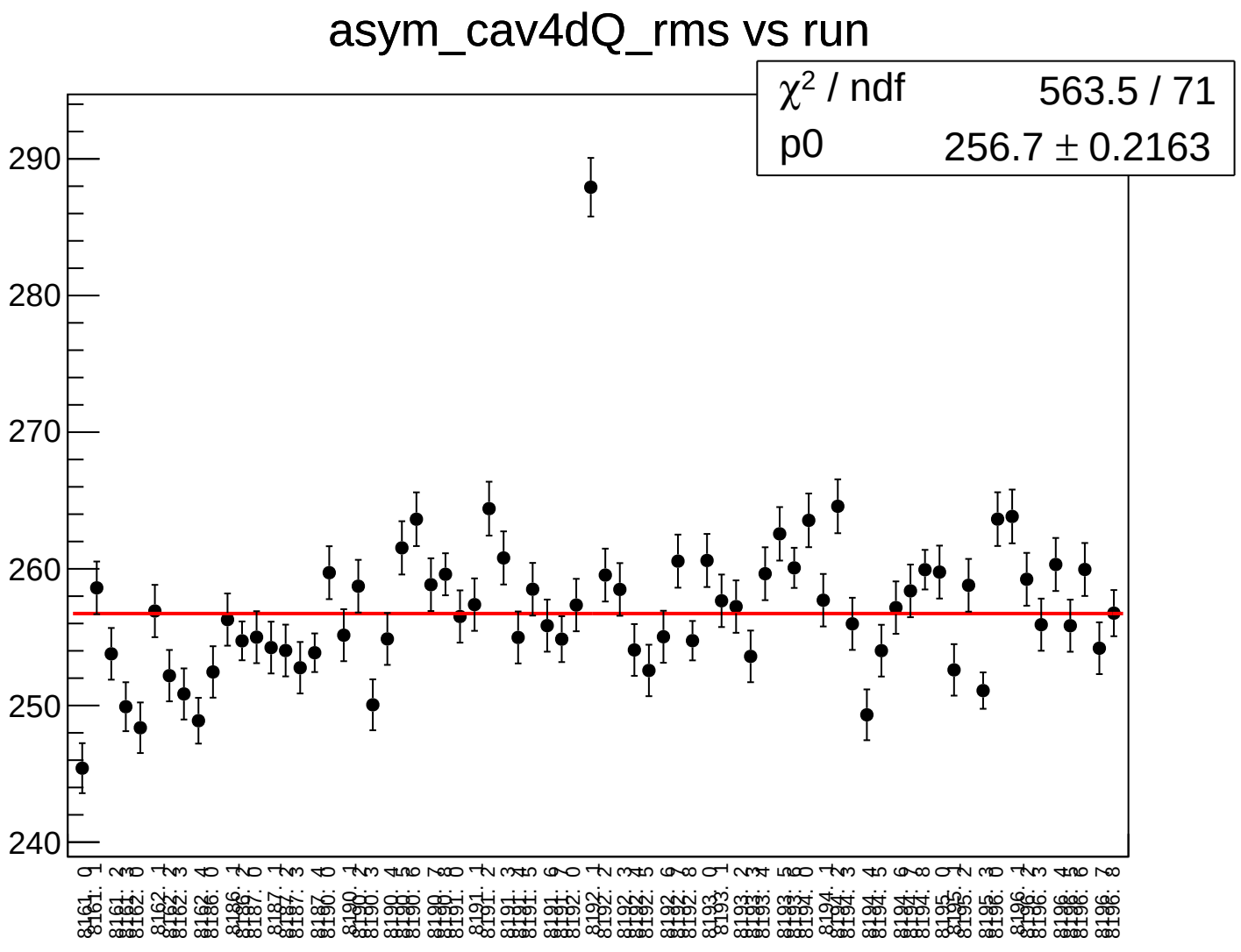

asym_cav4cQ_mean vs run
χ² / ndf 19.9 / 71
p0 −15.48 ± 207.2
4000
2000
0
−2000
−4000
pull
Entries 72
Mean 156.2
Std Dev 127.3
1.5
1
0.5
0
−0.5
−1
−1.5

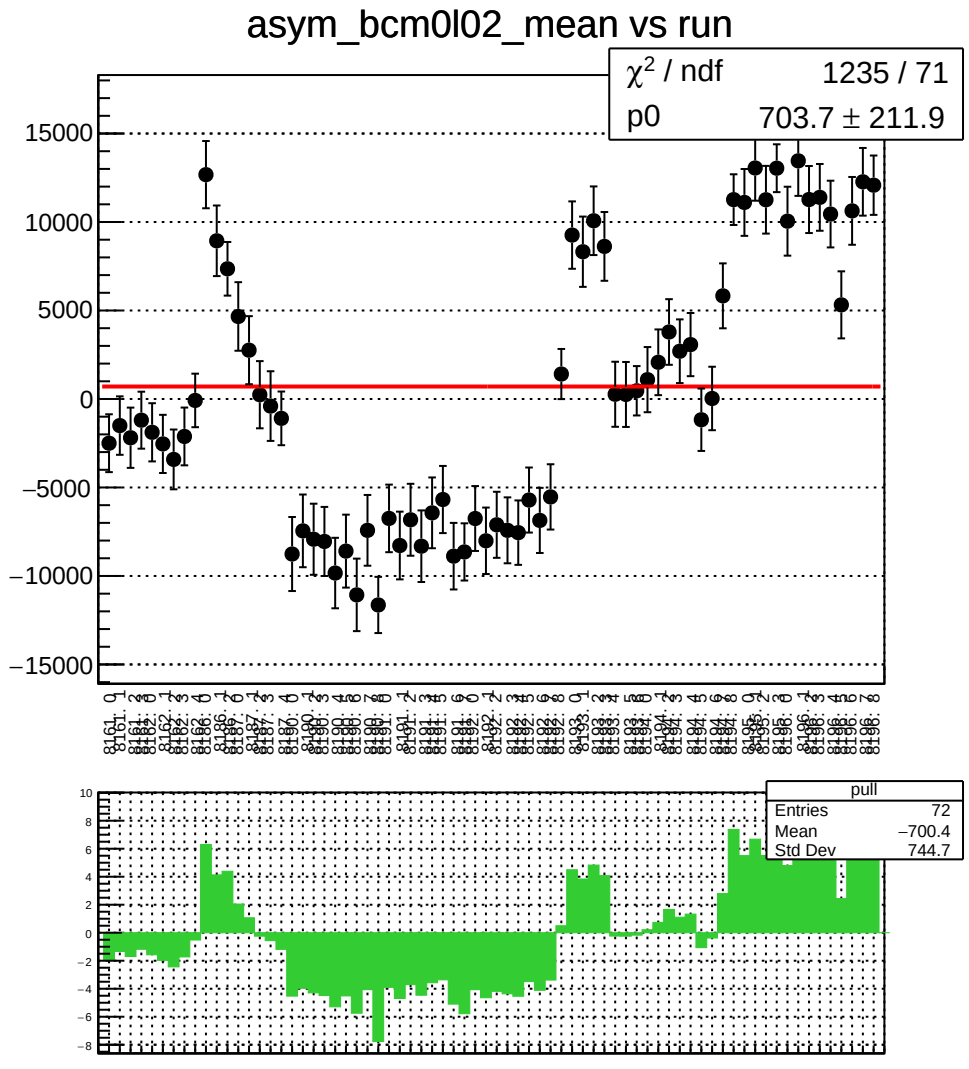

pull1D
Entries 72
Mean −0.002598
Std Dev 0.5257
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

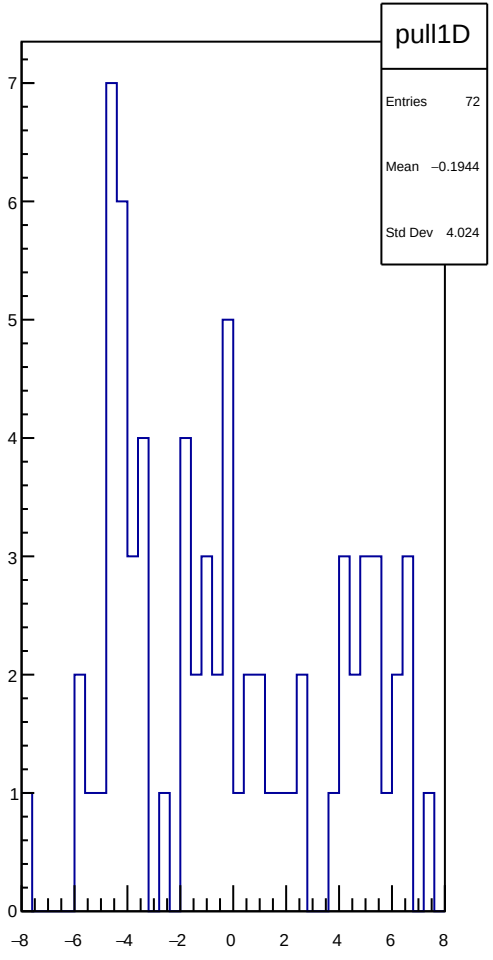

asym_cav4cQ_rms vs run
χ² / ndf 5354 / 71
p0 173.6 ± 0.1465
190
180
170
160
150

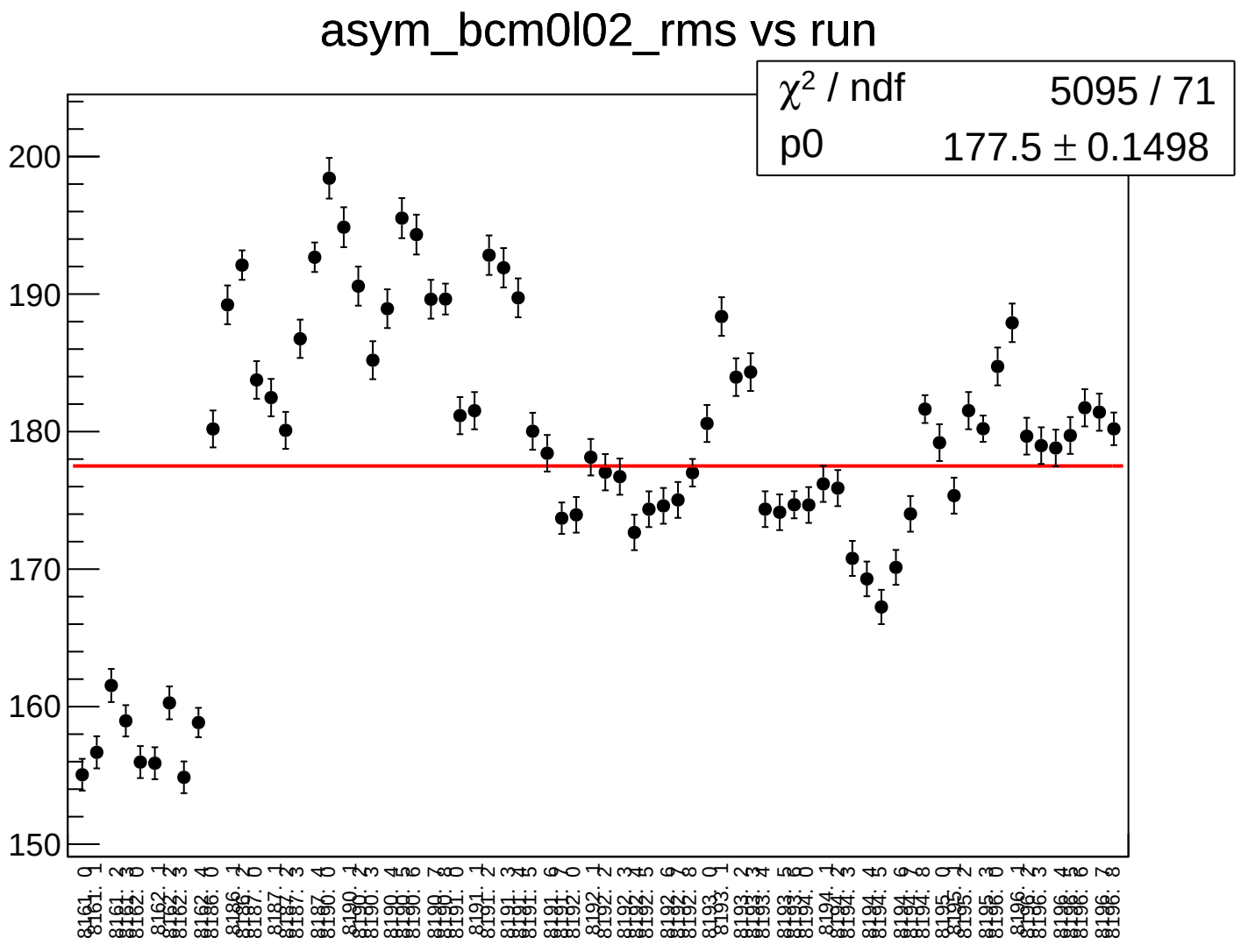

asym_cav4dQ_mean vs run
χ² / ndf 49.75 / 71
p0 155.9 ± 305.9
pull
Entries 72
Mean 937.5
Std Dev 901.7

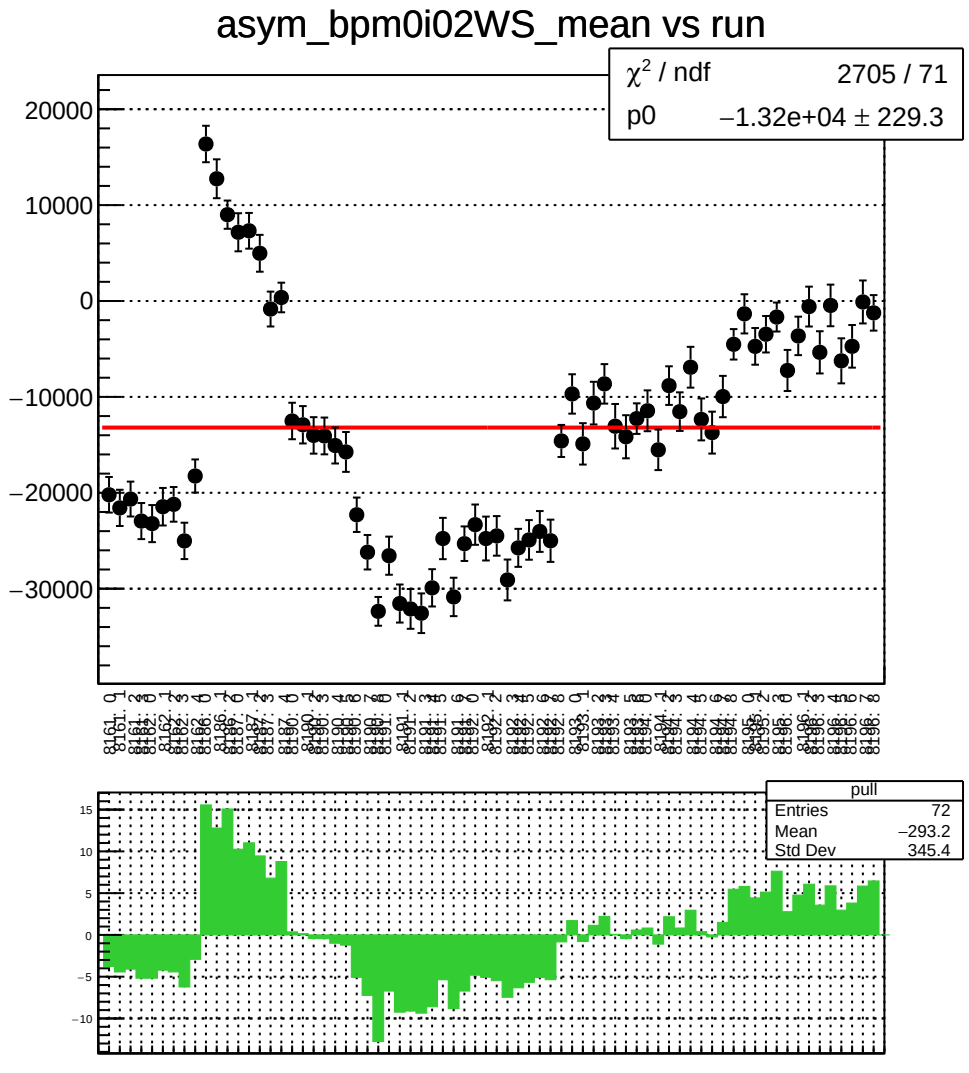

pull1D
Entries 72
Mean 0.006438
Std Dev 0.8312

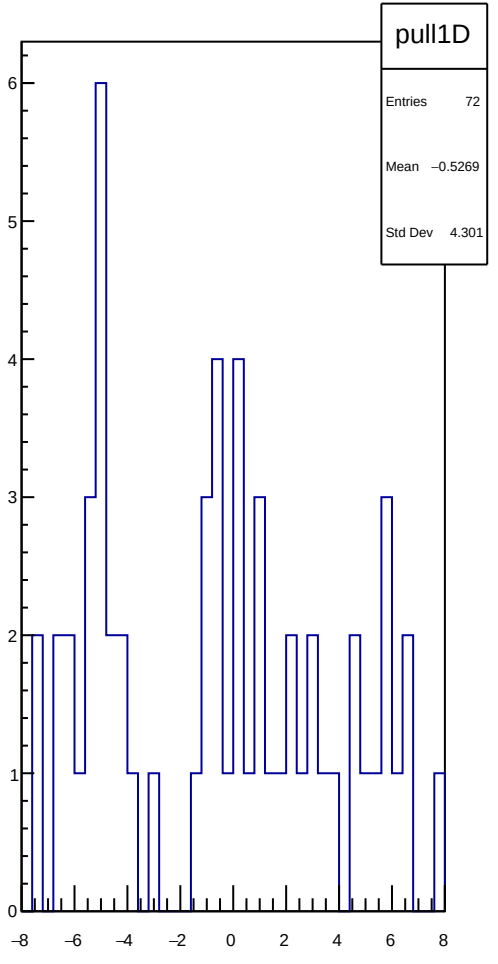

asym_cav4dQ_rms vs run
χ² / ndf 563.5 / 71
p0 256.7 ± 0.2163
290
280
270
260
250
240

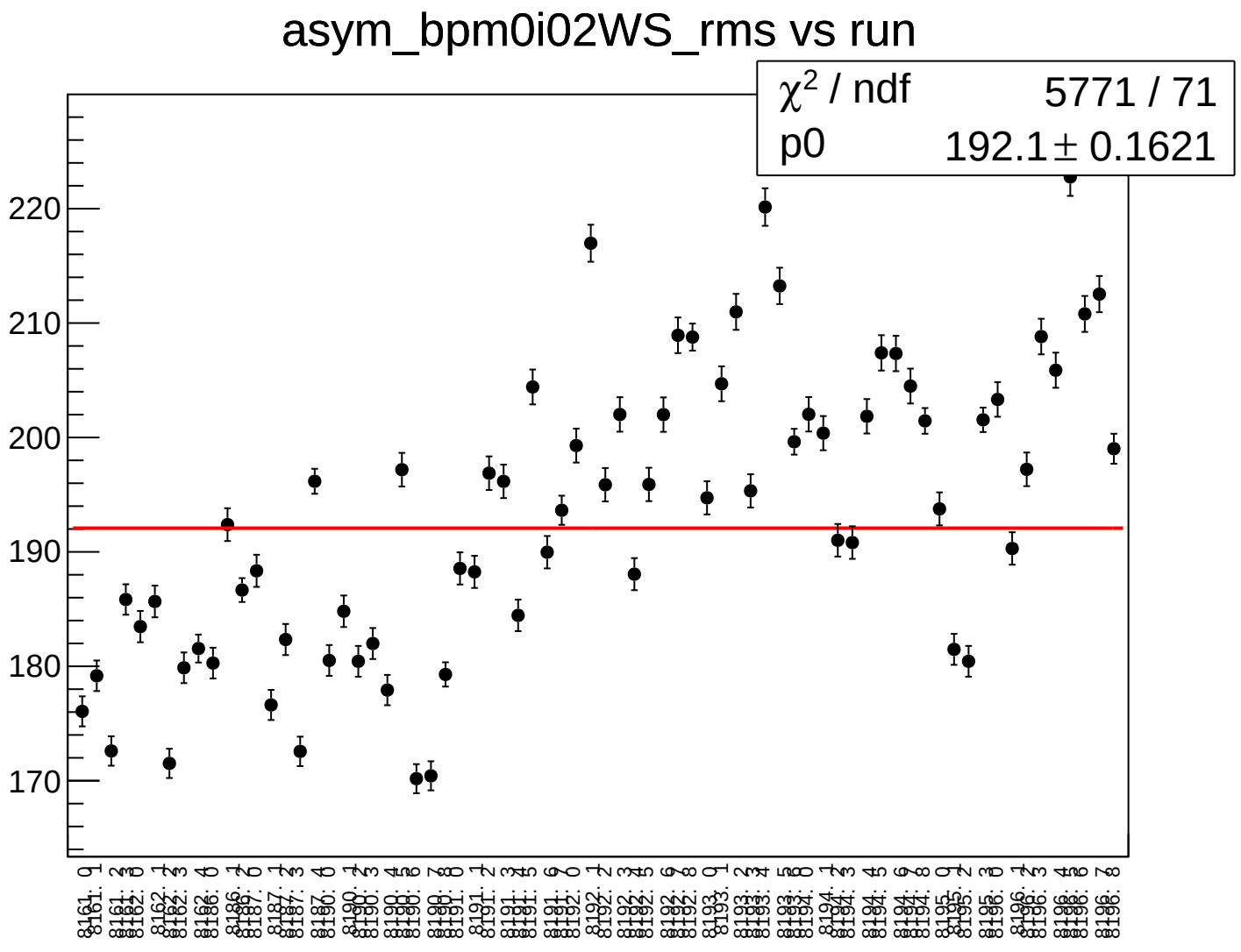

asym_bcm0l02_mean vs run
χ² / ndf 1235 / 71
p0 703.7 ± 211.9
pull
Entries 72
Mean −700.4
Std Dev 744.7

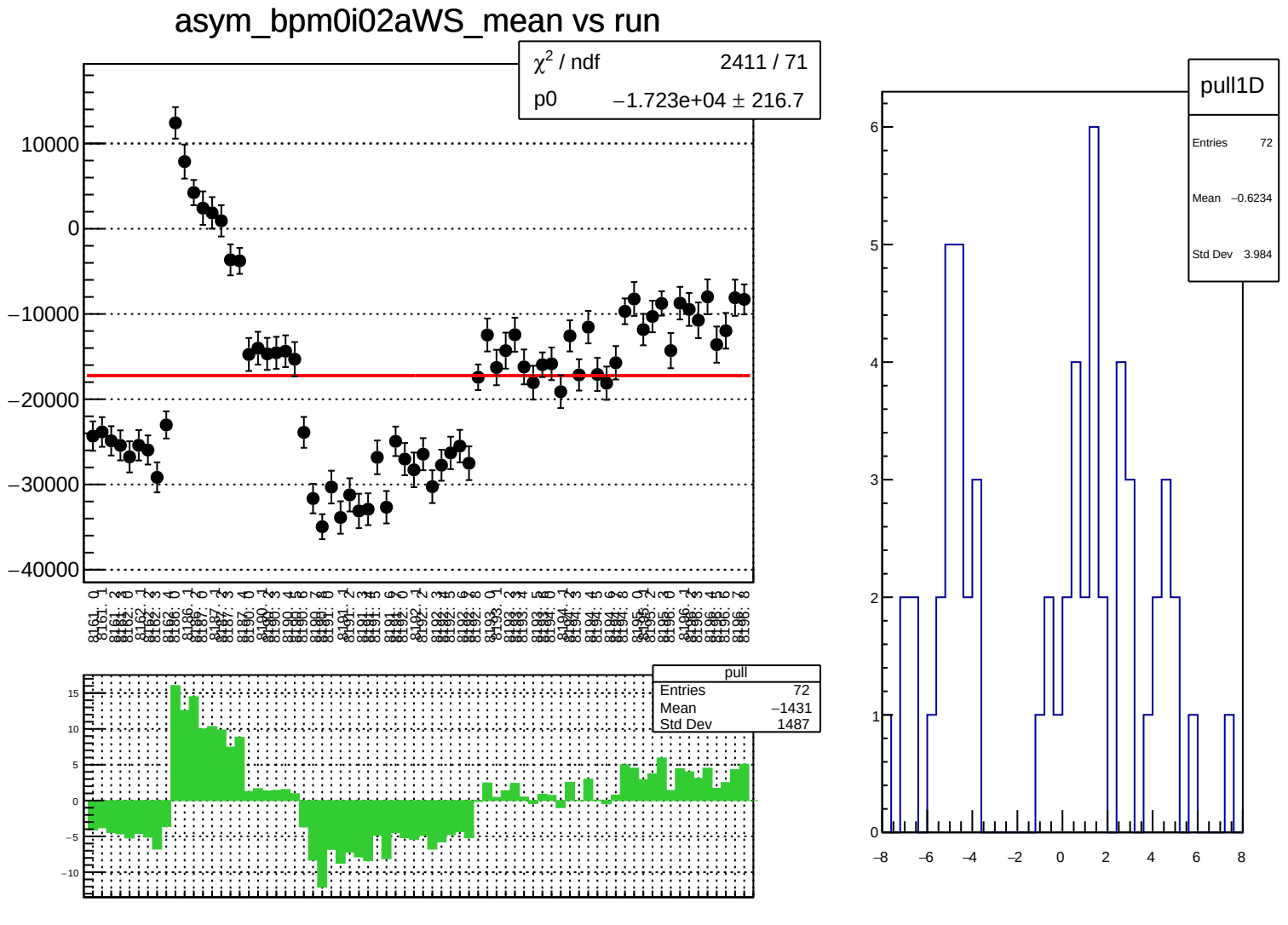

pull1D
Entries 72
Mean −0.1944
Std Dev 4.024

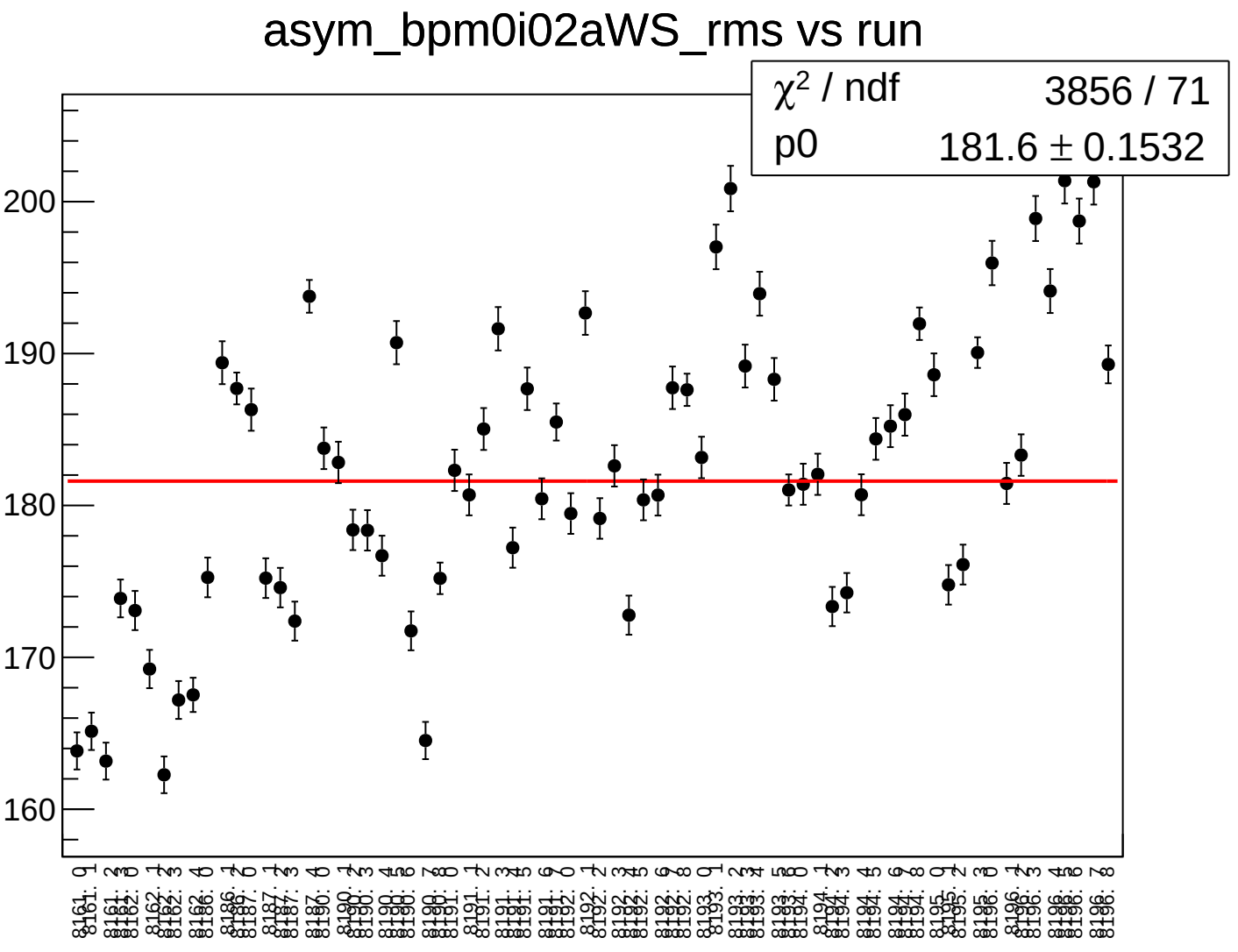

asym_bcm0l02_rms vs run
χ^2 / ndf 5095 / 71
p0 177.5 ± 0.1498
200
190
180
170
160
150

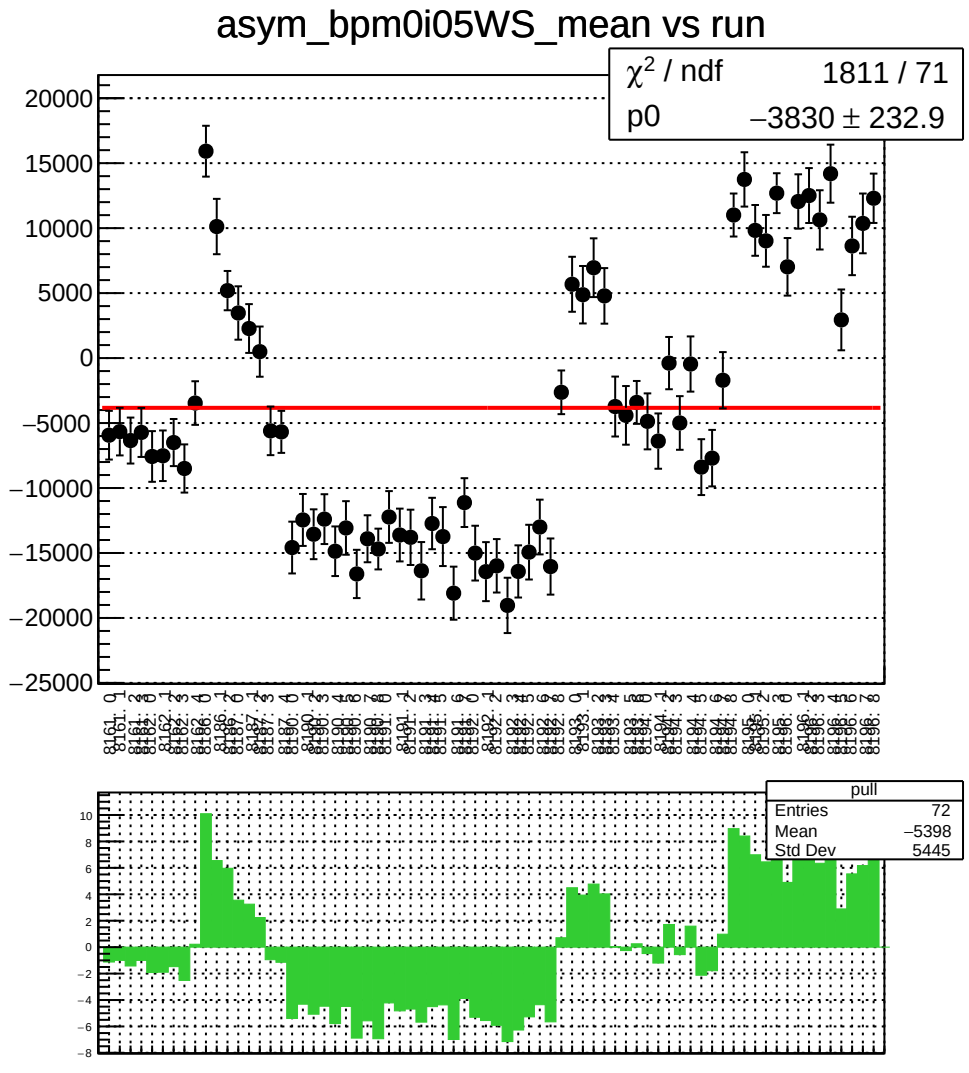

asym_bpm0i02WS_mean vs run
χ² / ndf 2705 / 71
p0 −1.32e+04 ± 229.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 72
Mean −293.2
Std Dev 345.4
15
10
5
0
−5
−10

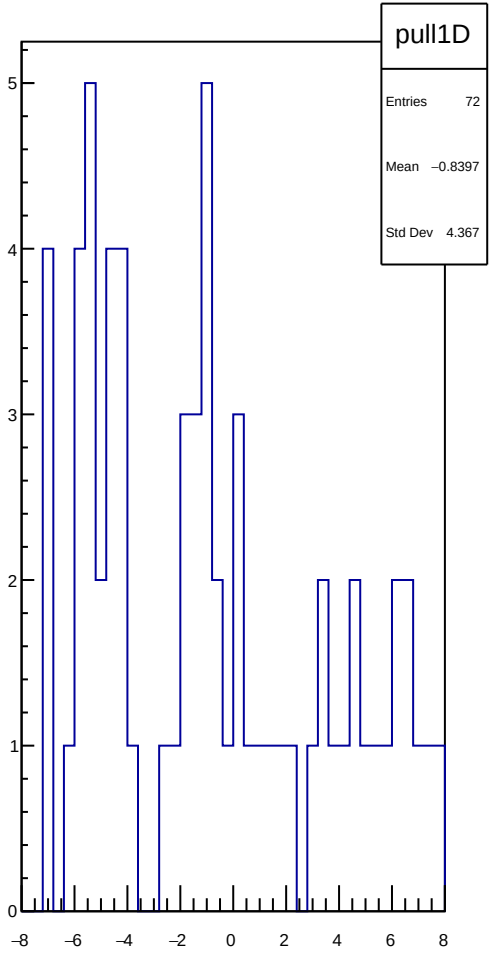

pull1D
Entries 72
Mean −0.5269
Std Dev 4.301
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

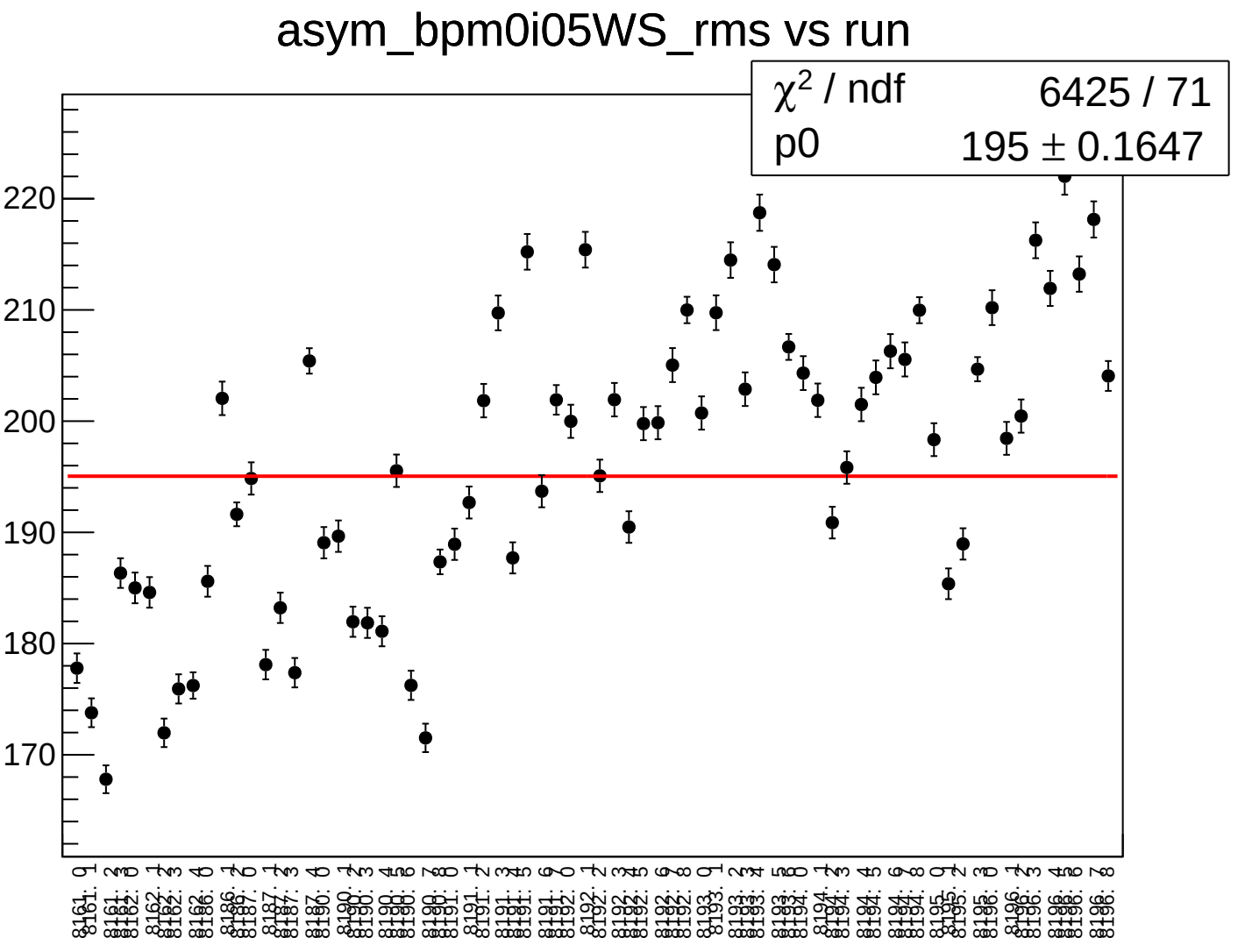

asym_bpm0i02WS_rms vs run
χ^2 / ndf 5771 / 71
p0 192.1 ± 0.1621
220
210
200
190
180
170

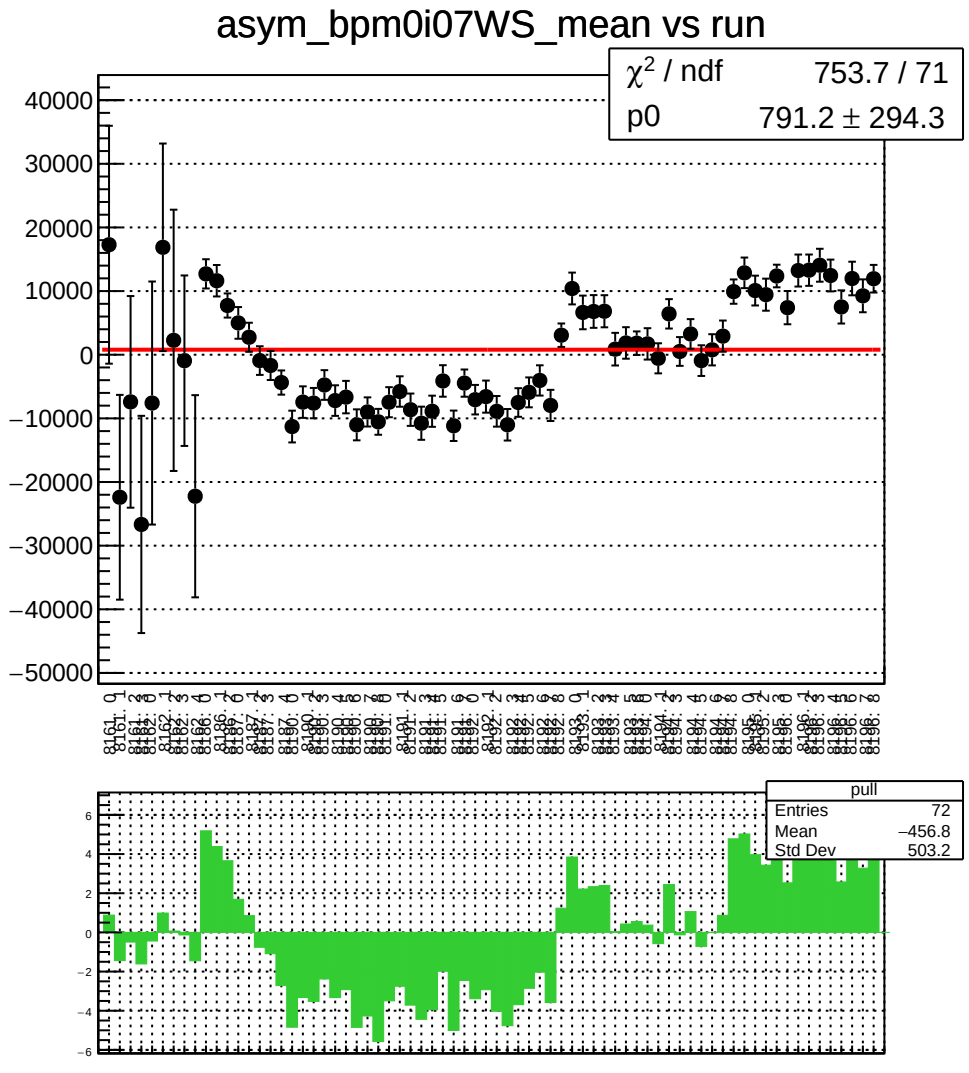

asym_bpm0i02aWS_mean vs run
χ² / ndf 2411 / 71
p0 −1.723e+04 ± 216.7
10000
0
−10000
−20000
−30000
−40000
pull
Entries 72
Mean −1431
Std Dev 1487
15
10
5
0
−5
−10
pull1D
Entries 72
Mean −0.6234
Std Dev 3.984
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

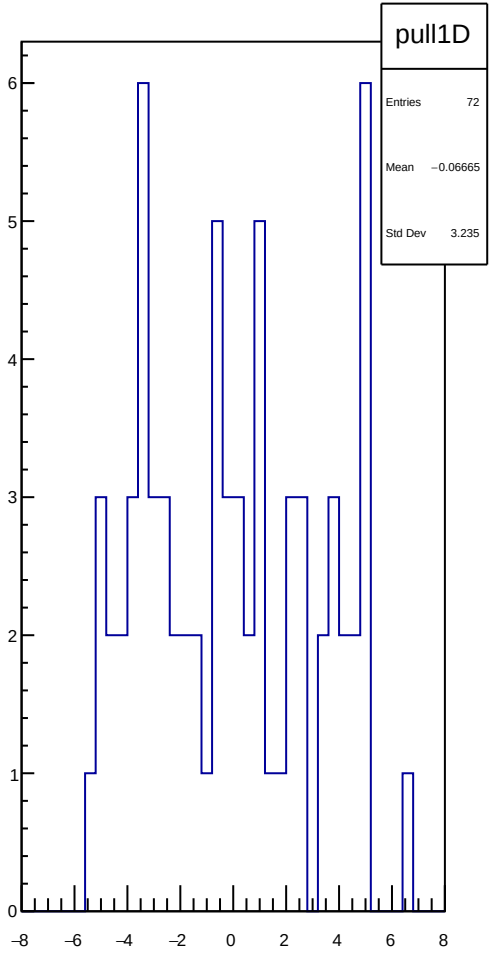

asym_bpm0i02aWS_rms vs run
χ^2 / ndf 3856 / 71
p0 181.6 ± 0.1532
200
190
180
170
160

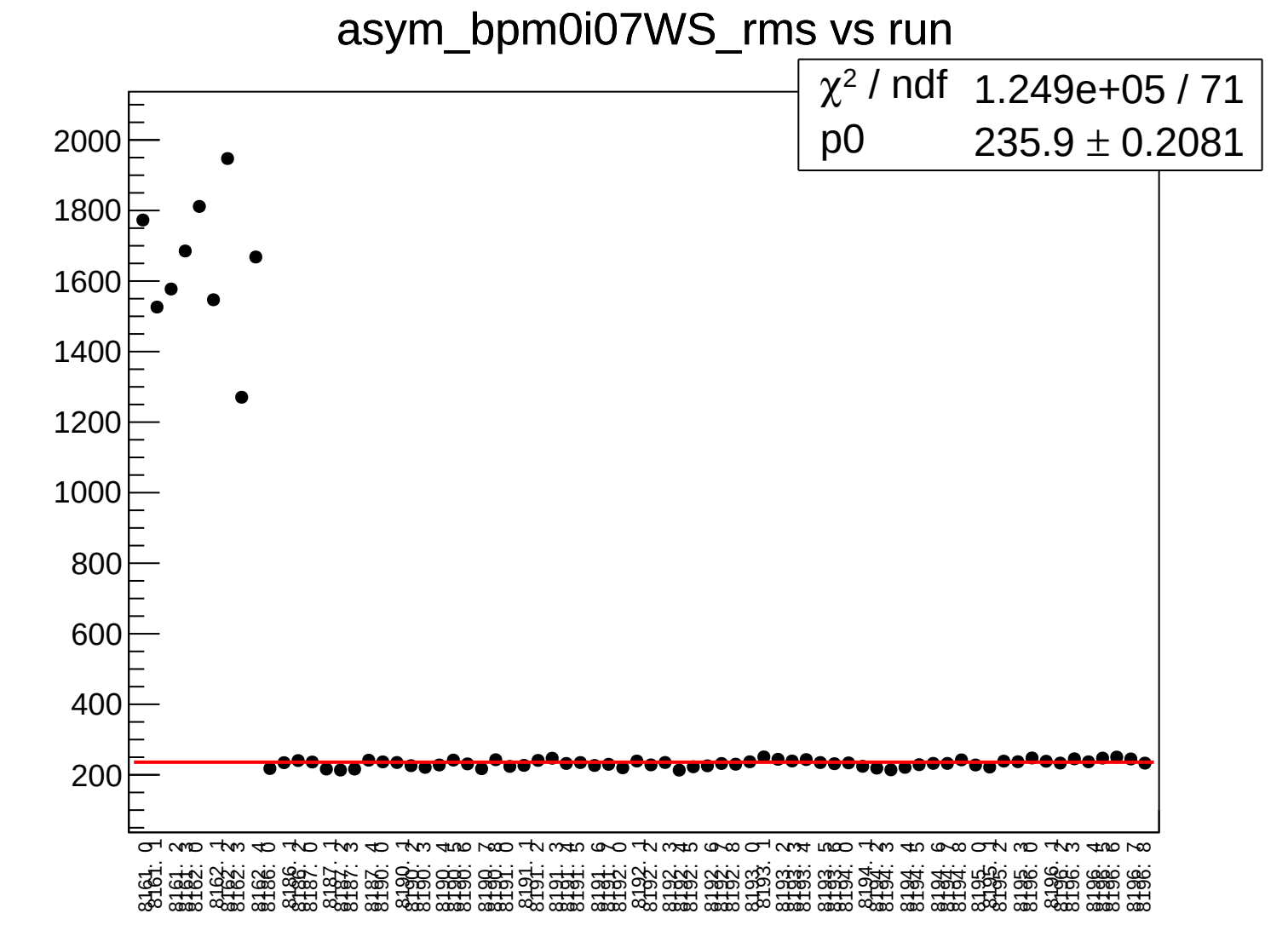

asym_bpm0i05WS_mean vs run
χ² / ndf 1811 / 71
p0 −3830 ± 232.9
pull
Entries 72
Mean −5398
Std Dev 5445

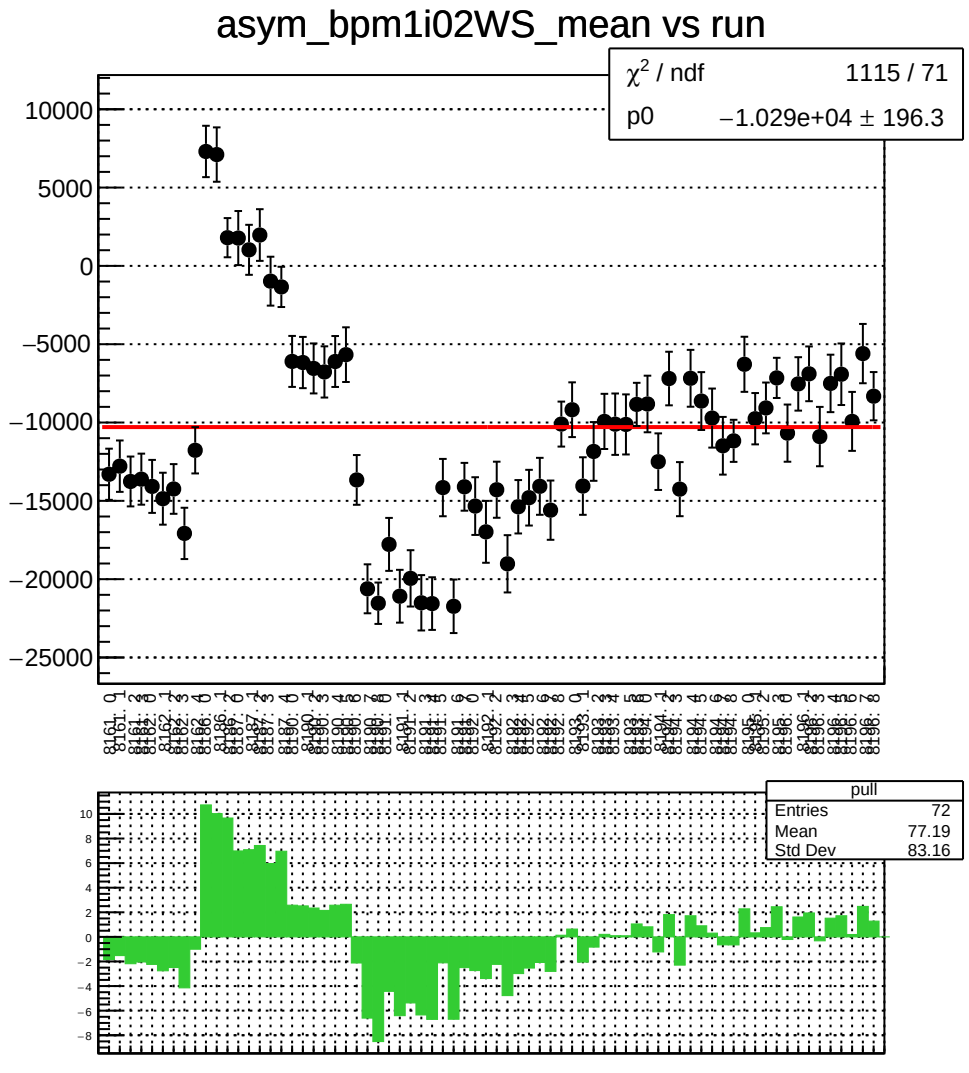

pull1D
Entries 72
Mean −0.8397
Std Dev 4.367

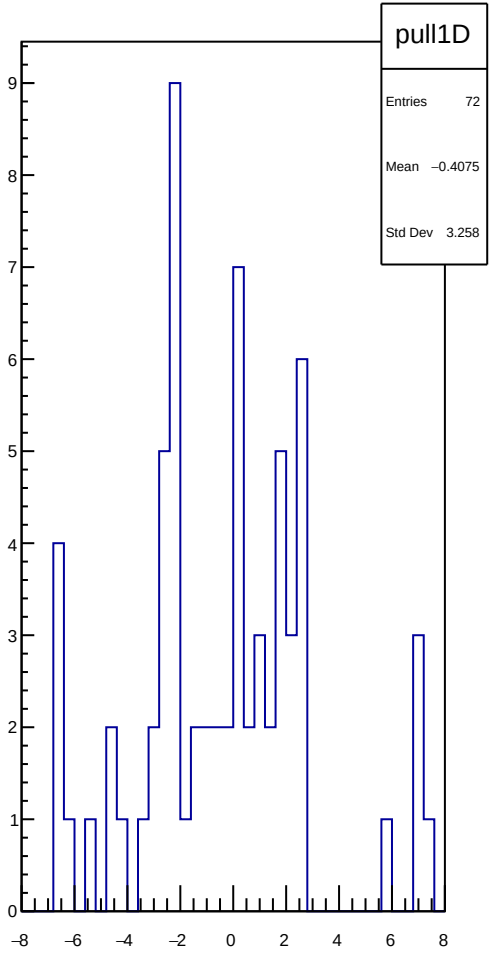

asym_bpm0i05WS_rms vs run
χ² / ndf 6425 / 71
p0 195 ± 0.1647
220
210
200
190
180
170

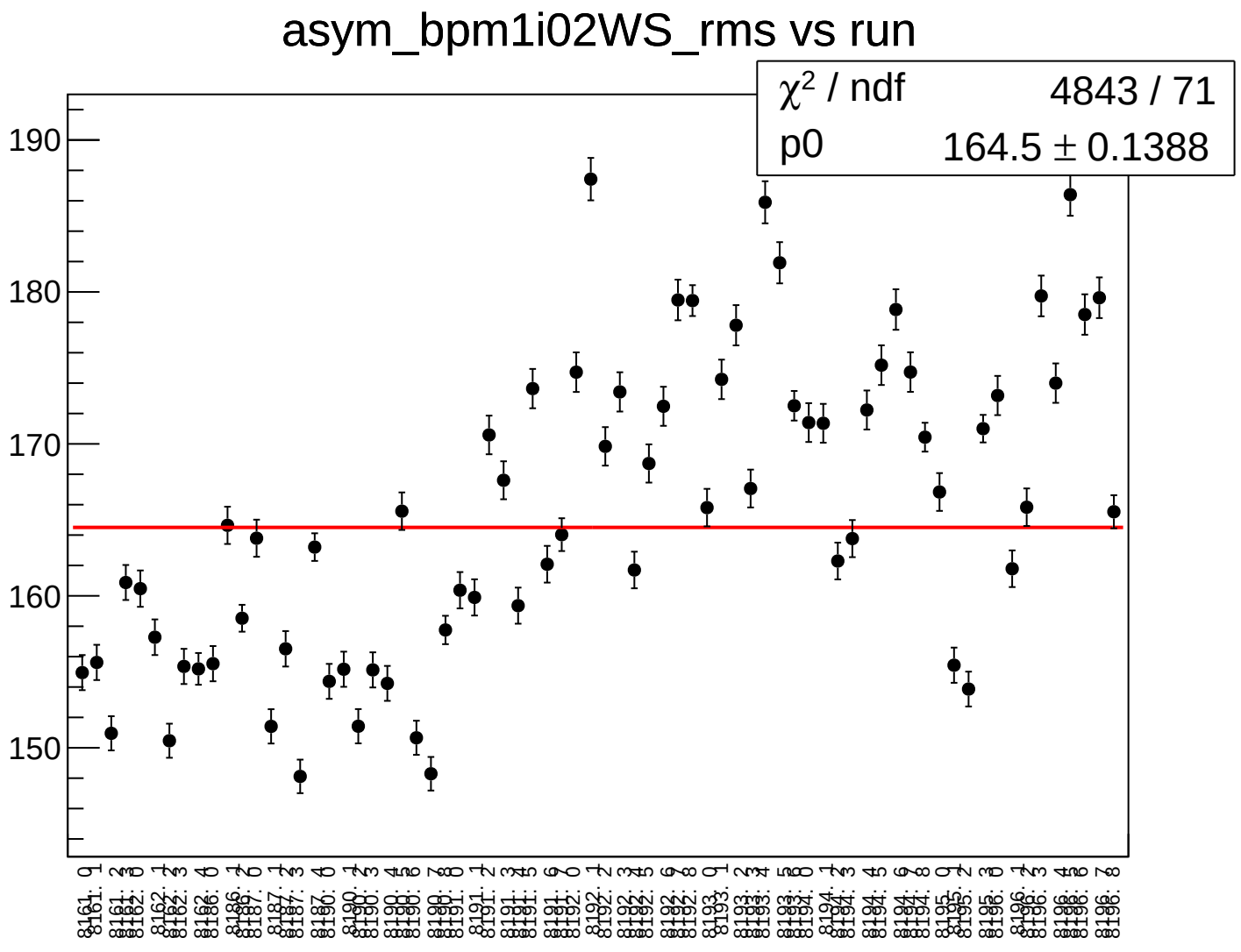

asym_bpm0i07WS_mean vs run
χ² / ndf 753.7 / 71
p0 791.2 ± 294.3
pull
Entries 72
Mean −456.8
Std Dev 503.2

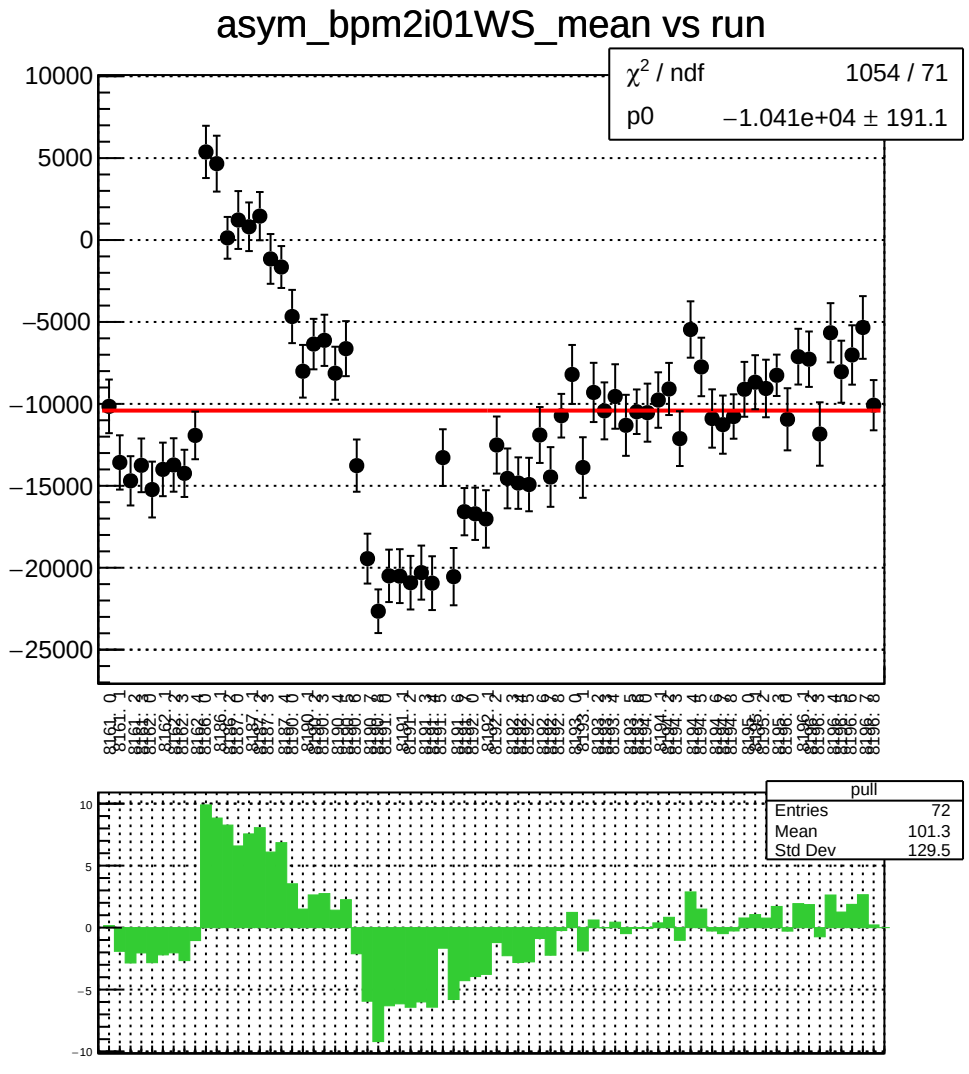

pull1D
Entries 72
Mean −0.06665
Std Dev 3.235

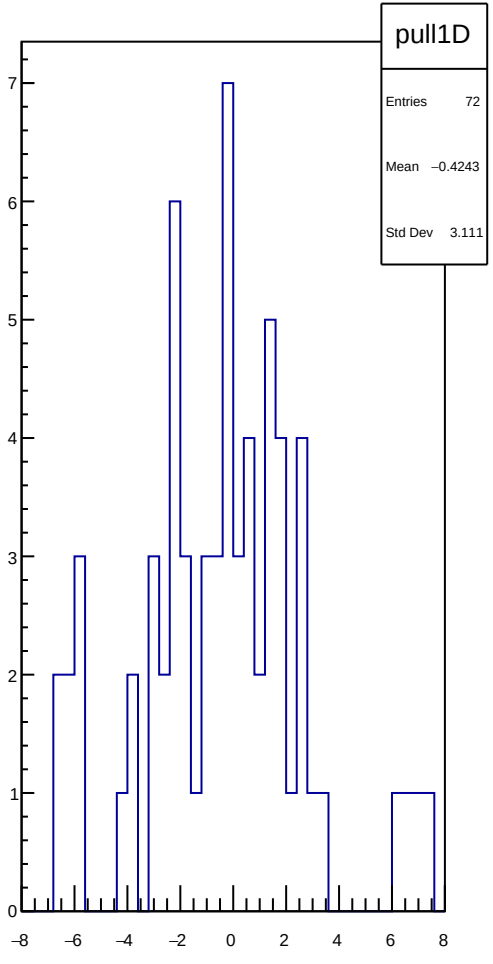

asym_bpm0i07WS_rms vs run
χ² / ndf 1.249e+05 / 71
p0 235.9 ± 0.2081
2000
1800
1600
1400
1200
1000
800
600
400
200

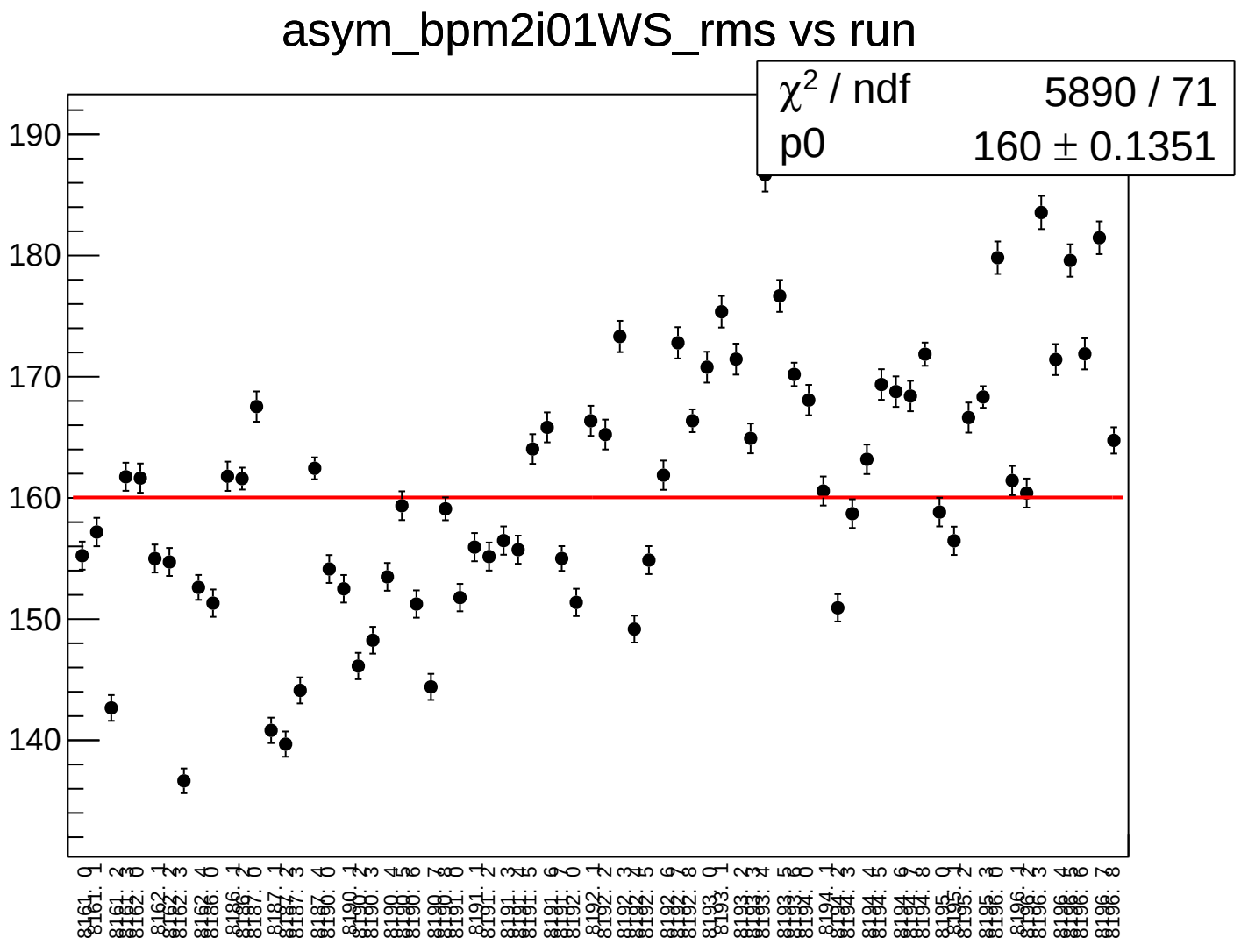

asym_bpm1i02WS_mean vs run
χ² / ndf 1115 / 71
p0 −1.029e+04 ± 196.3
pull
Entries 72
Mean 77.19
Std Dev 83.16

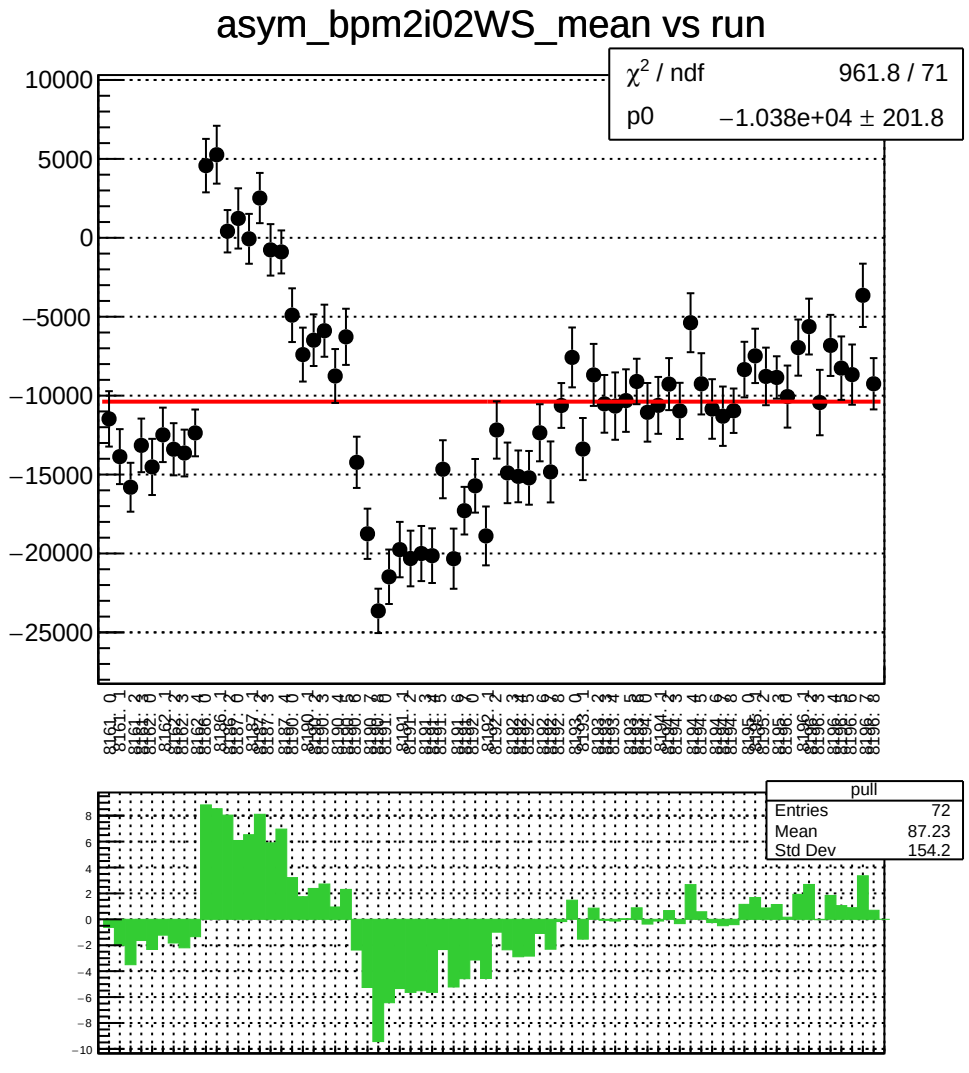

pull1D
Entries 72
Mean −0.4075
Std Dev 3.258

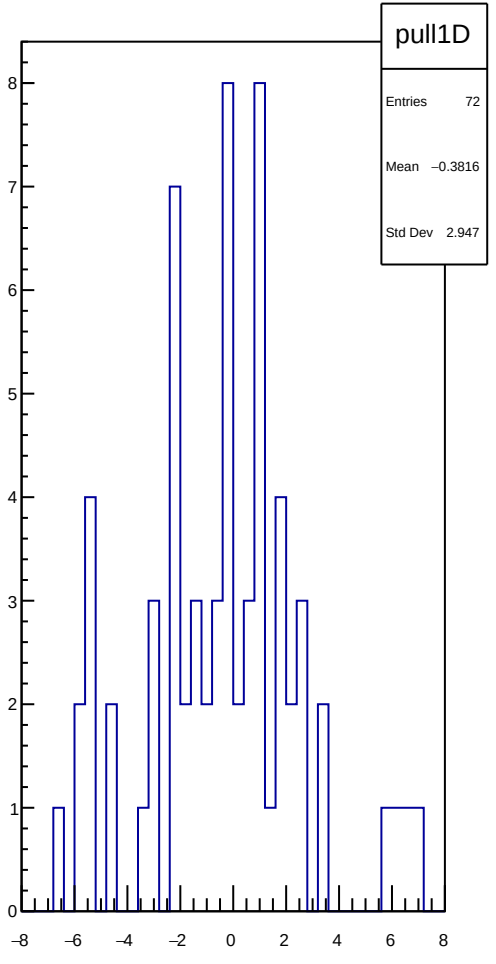

asym_bpm1i02WS_rms vs run
χ² / ndf 4843 / 71
p0 164.5 ± 0.1388
190
180
170
160
150

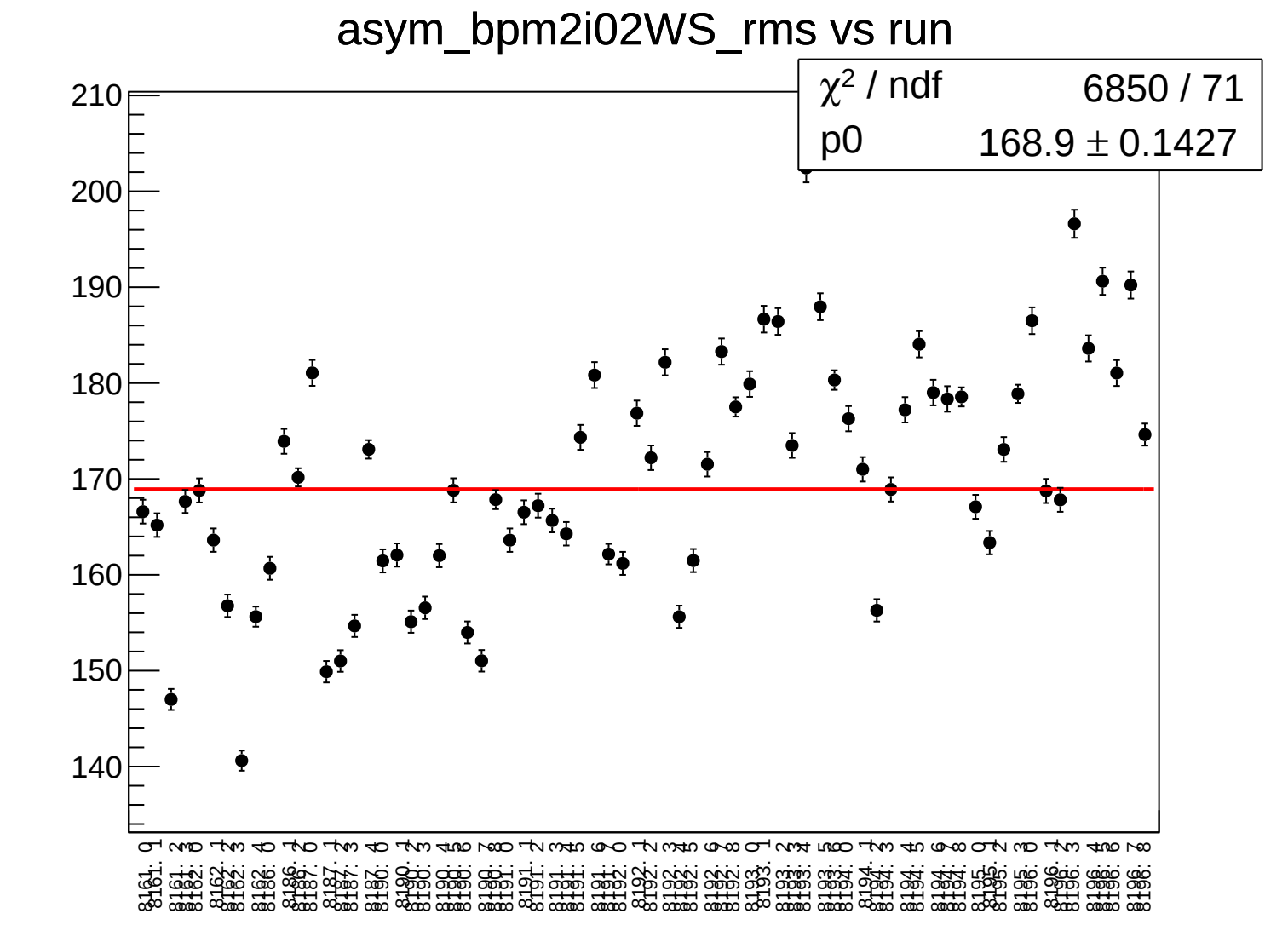

asym_bpm2i01WS_mean vs run
χ² / ndf 1054 / 71
p0 −1.041e+04 ± 191.1
pull
Entries 72
Mean 101.3
Std Dev 129.5

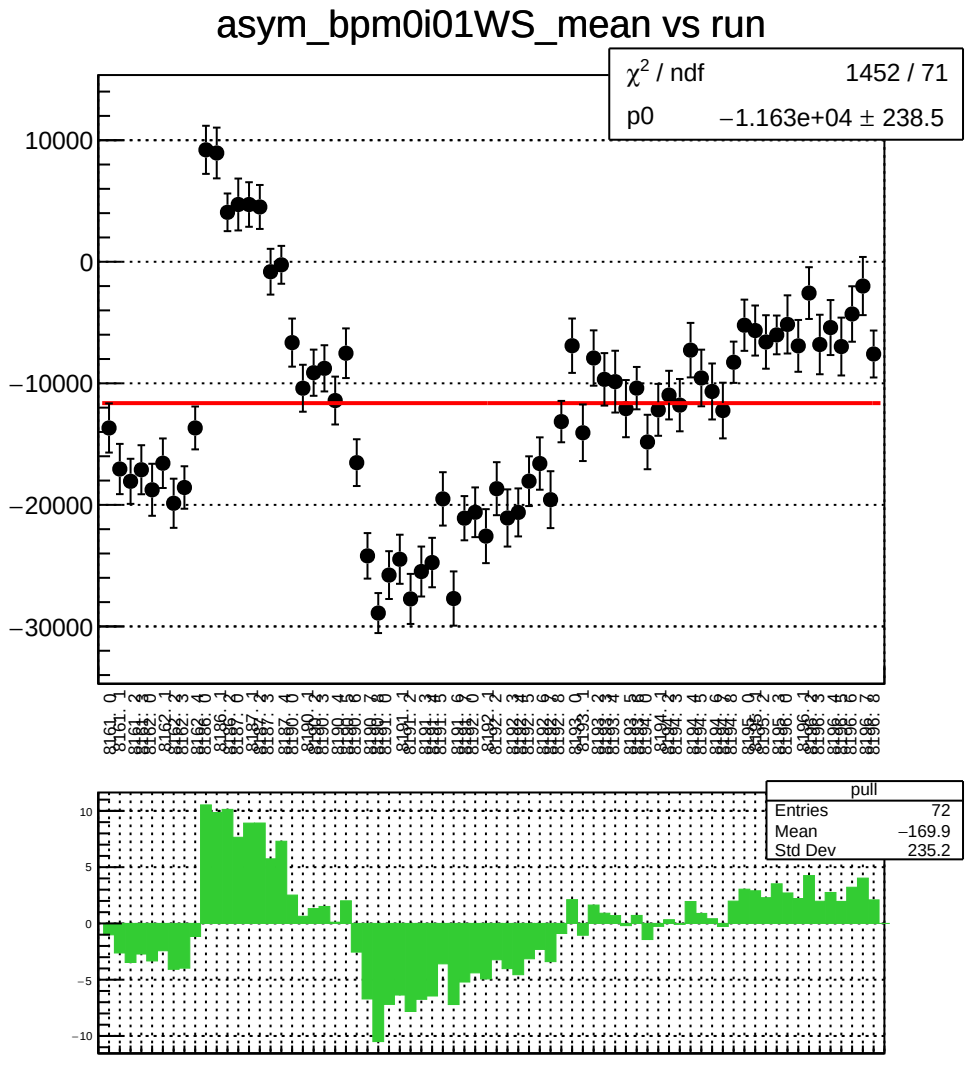

pull1D
Entries 72
Mean −0.4243
Std Dev 3.111

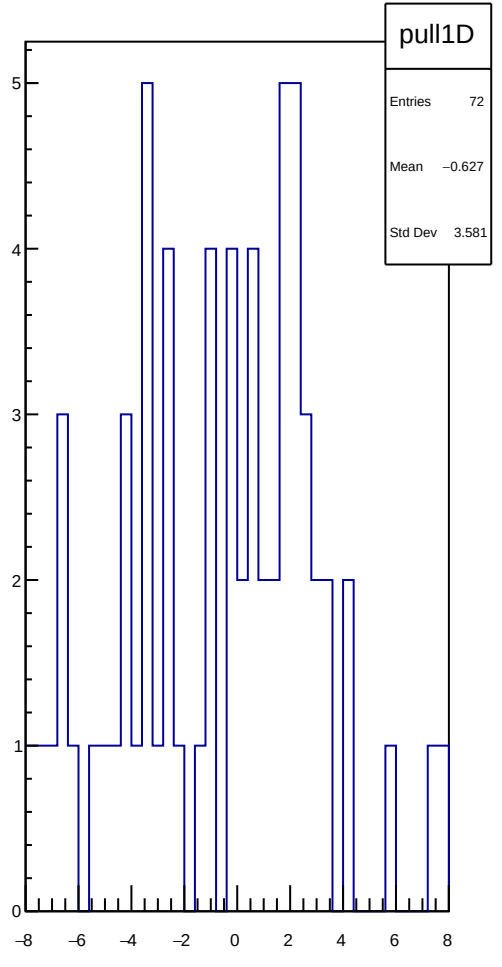

asym_bpm2i01WS_rms vs run
χ² / ndf 5890 / 71
p0 160 ± 0.1351
190
180
170
160
150
140

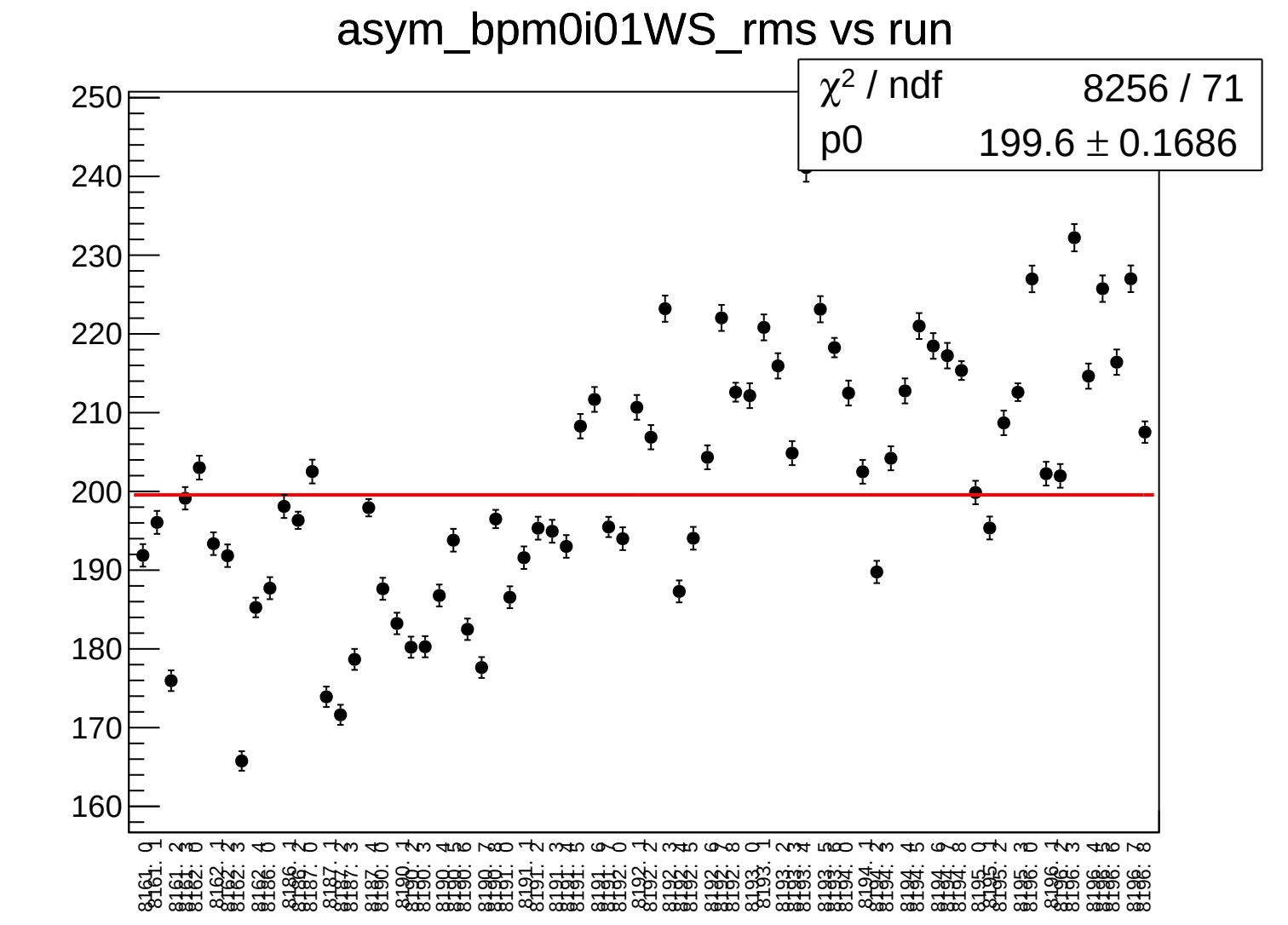

asym_bpm2i02WS_mean vs run
χ² / ndf 961.8 / 71
p0 −1.038e+04 ± 201.8
pull
Entries 72
Mean 87.23
Std Dev 154.2

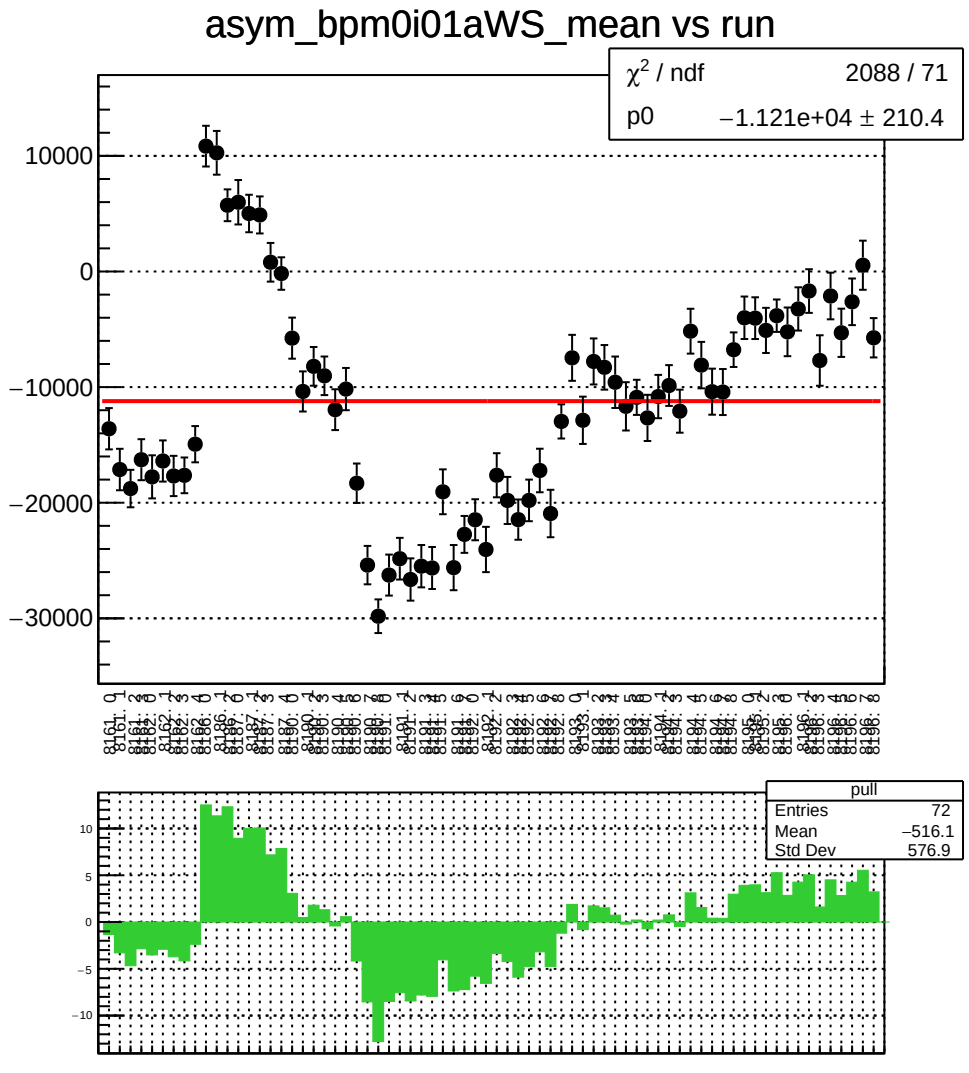

pull1D
Entries 72
Mean −0.3816
Std Dev 2.947

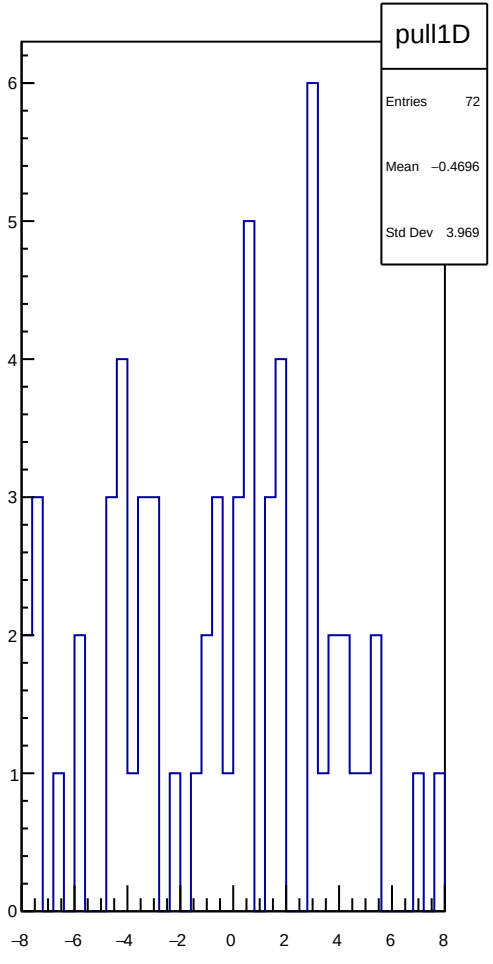

asym_bpm2i02WS_rms vs run
χ² / ndf 6850 / 71
p0 168.9 ± 0.1427
210
200
190
180
170
160
150
140

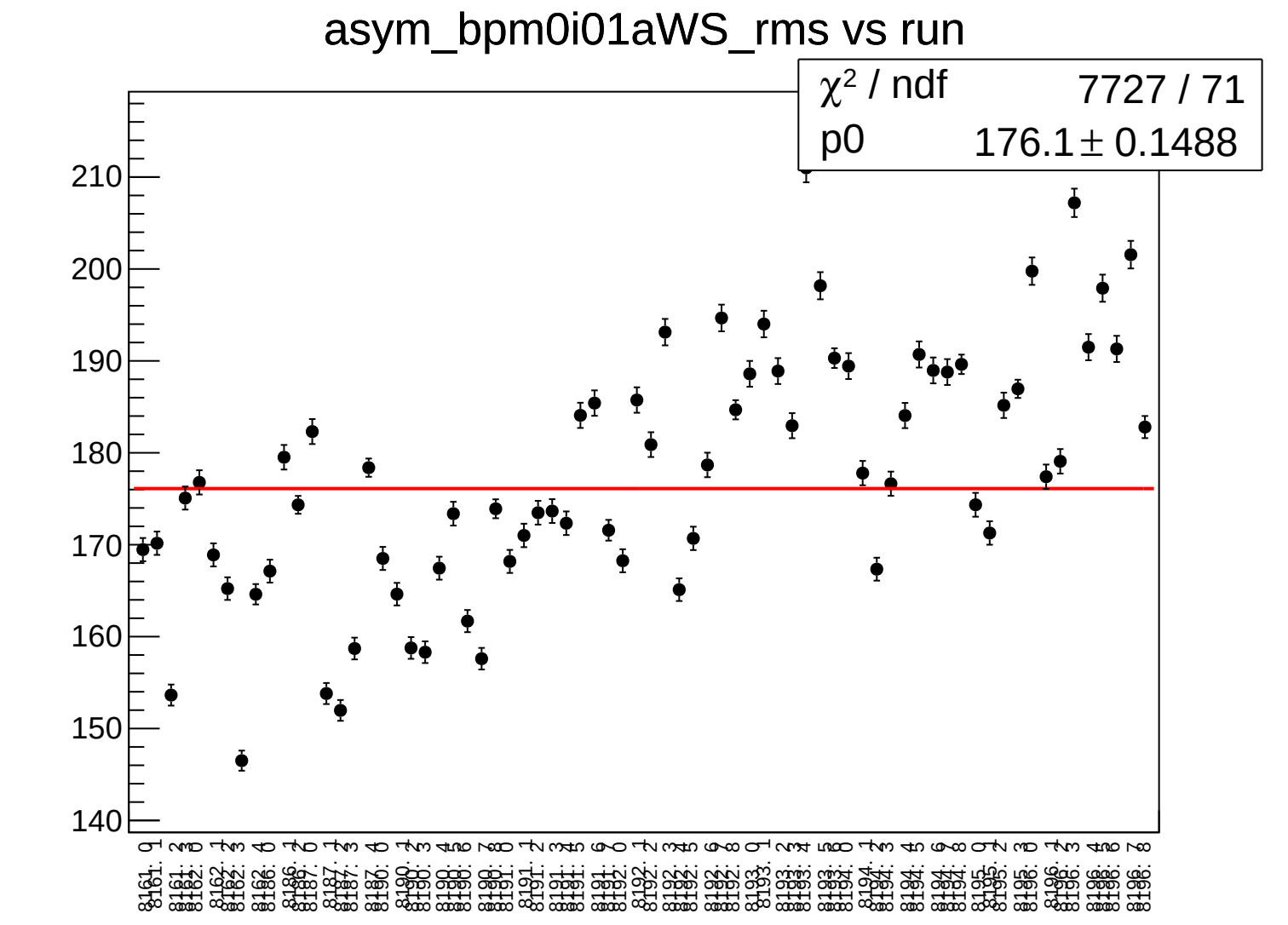

asym_bpm0i01WS_mean vs run
χ² / ndf 1452 / 71
p0 −1.163e+04 ± 238.5
10000
0
−10000
−20000
−30000
pull
Entries 72
Mean −169.9
Std Dev 235.2
10
5
0
−5
−10

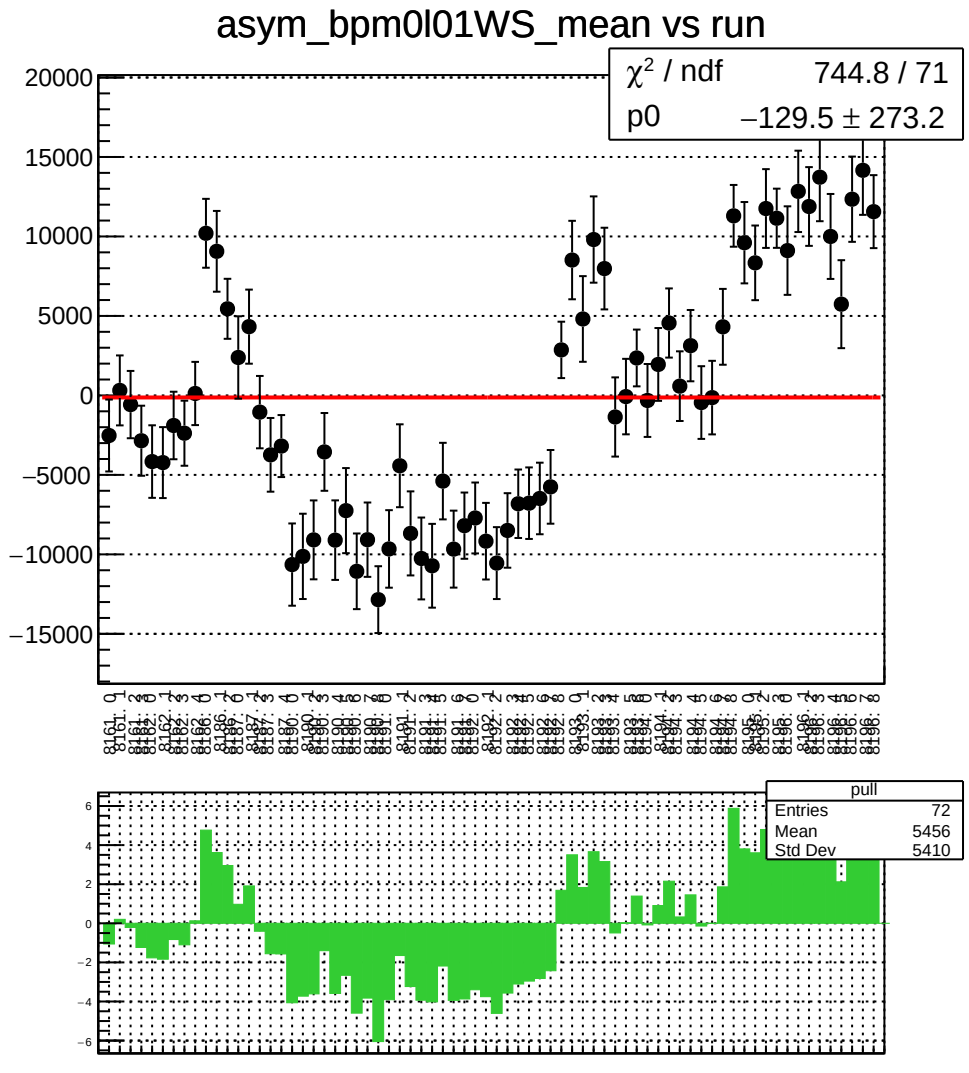

pull1D
Entries 72
Mean −0.627
Std Dev 3.581
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

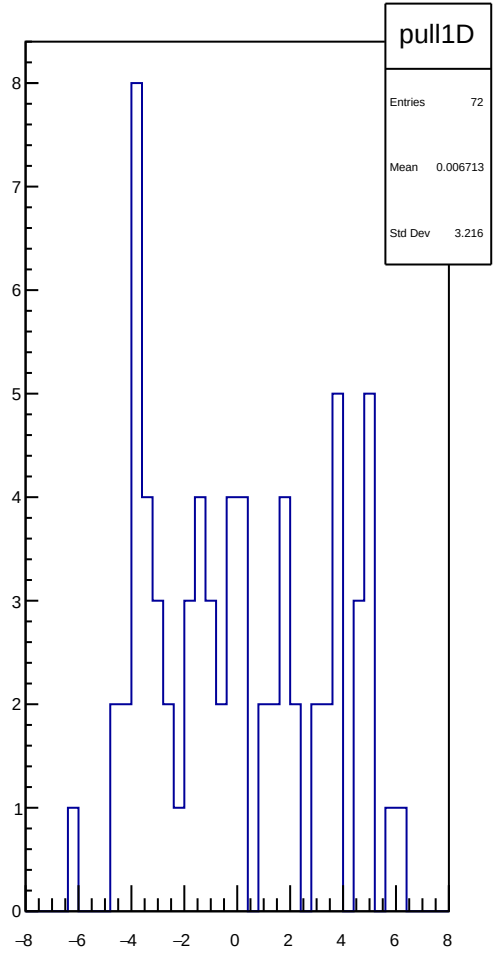

asym_bpm0i01WS_rms vs run
χ² / ndf 8256 / 71
p0 199.6 ± 0.1686
250
240
230
220
210
200
190
180
170
160

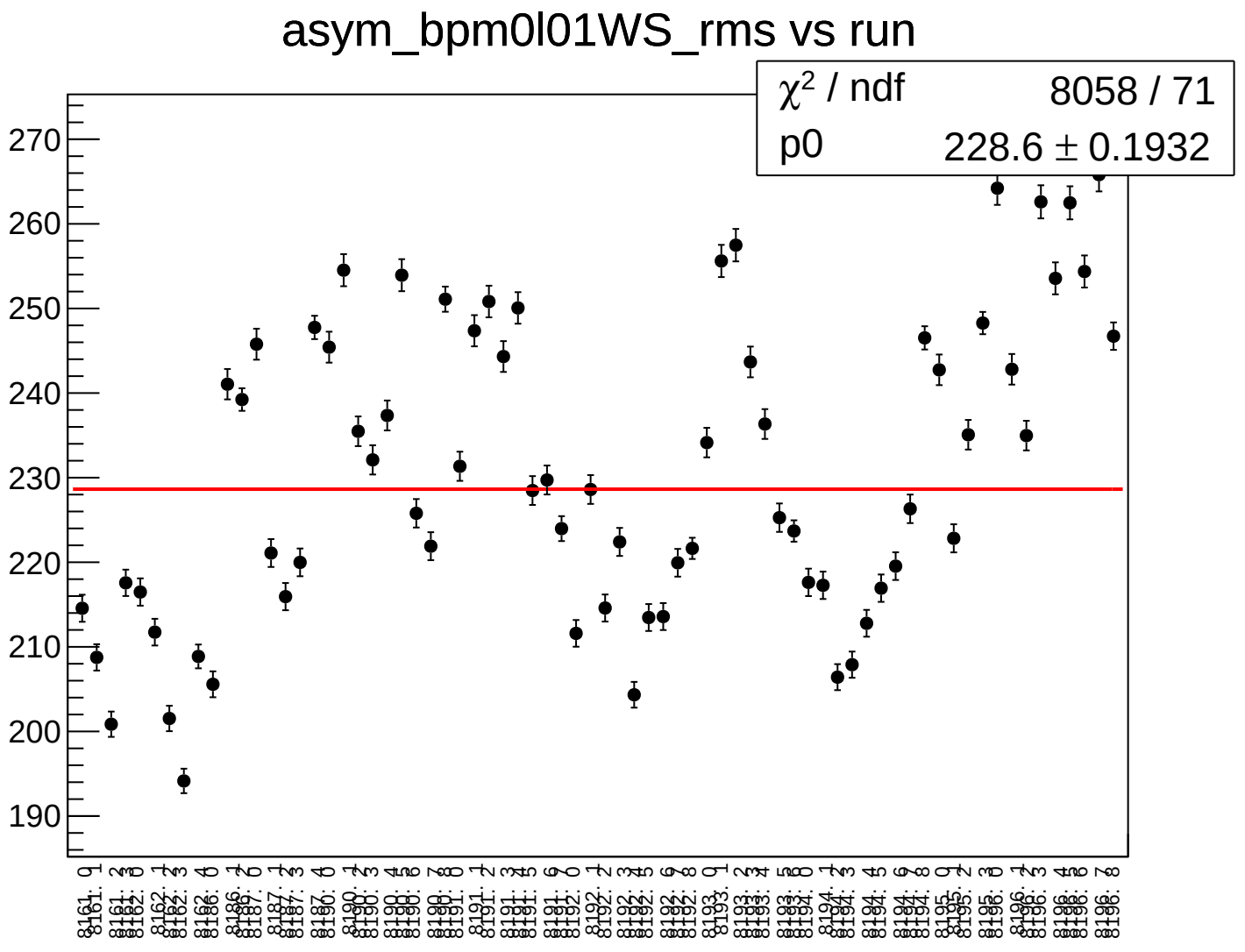

asym_bpm0i01aWS_mean vs run
χ² / ndf 2088 / 71
p0 −1.121e+04 ± 210.4
10000
0
−10000
−20000
−30000
pull
Entries 72
Mean −516.1
Std Dev 576.9
10
5
0
−5
−10

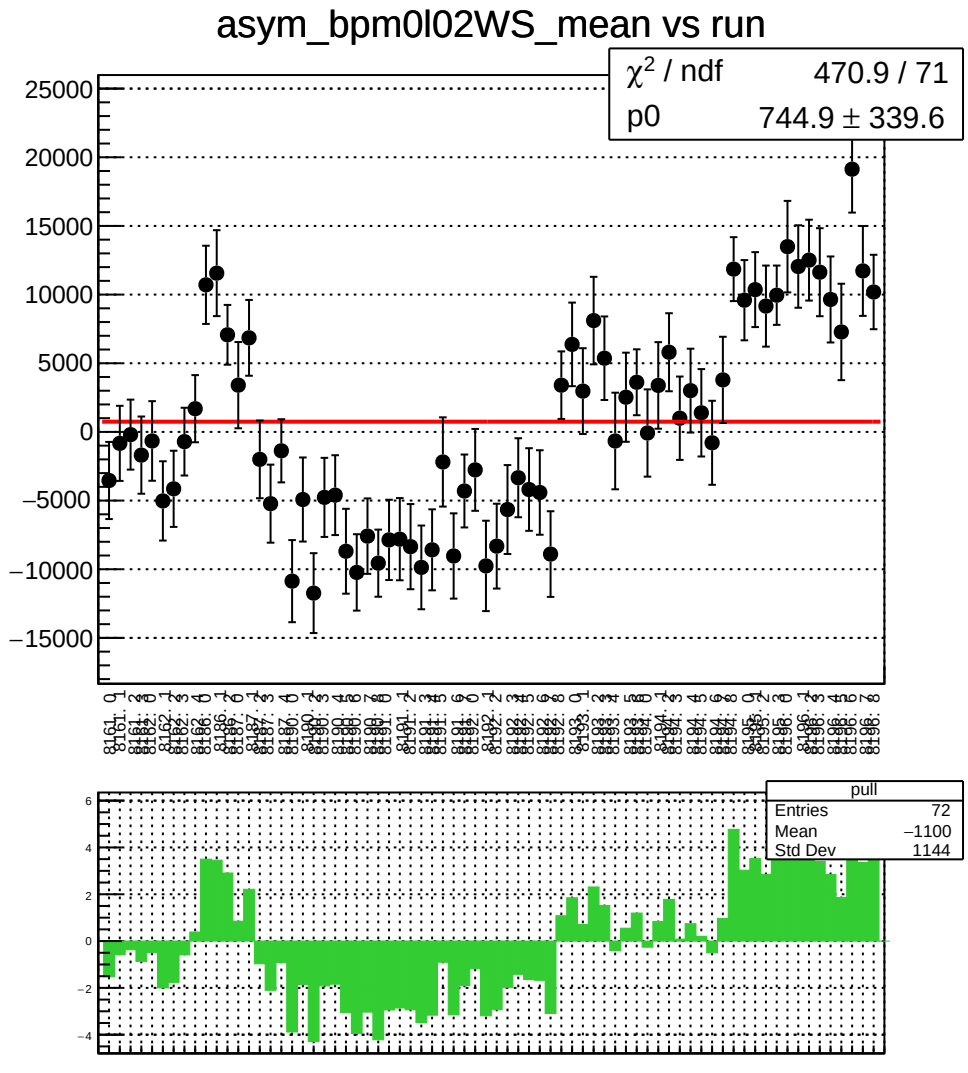

pull1D
Entries 72
Mean −0.4696
Std Dev 3.969
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

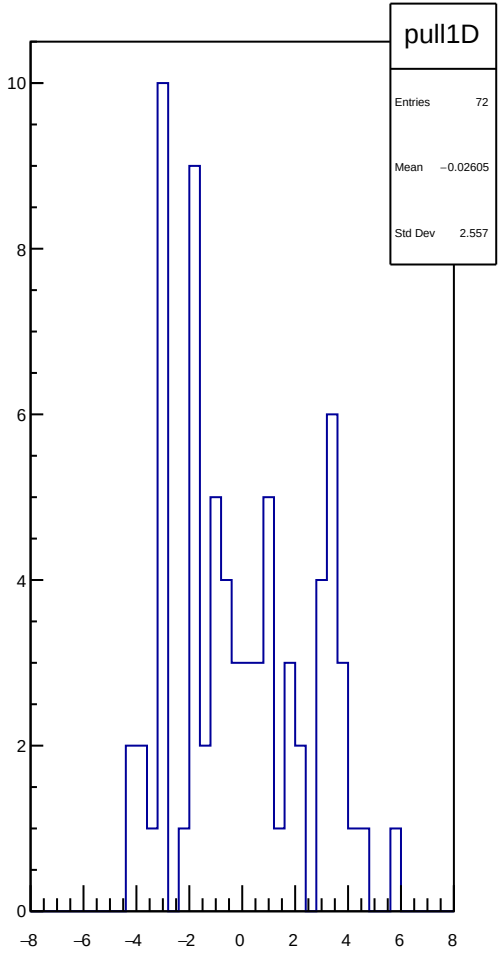

asym_bpm0i01aWS_rms vs run
χ² / ndf 7727 / 71
p0 176.1 ± 0.1488
210
200
190
180
170
160
150
140

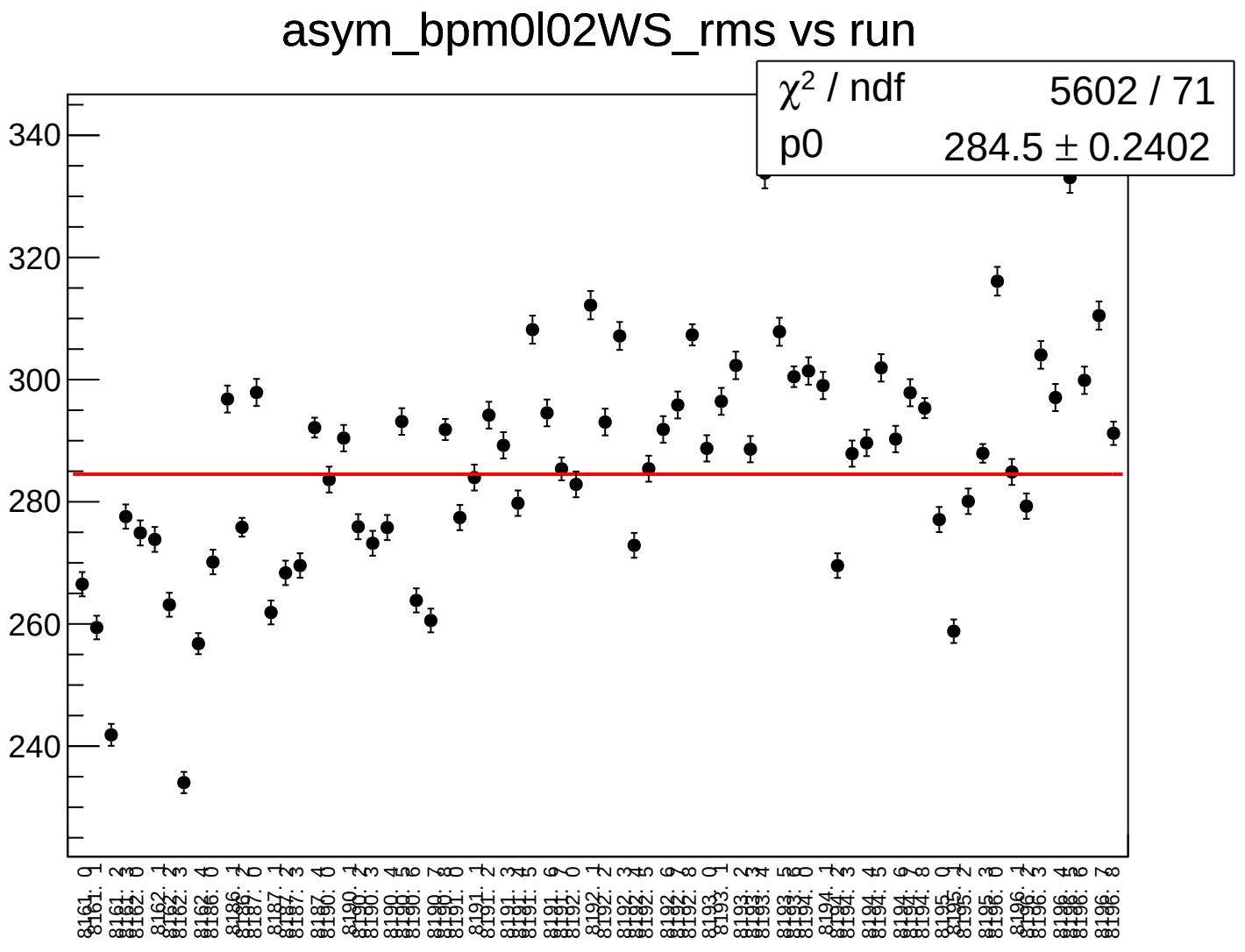

asym_bpm0l01WS_mean vs run
χ² / ndf 744.8 / 71
p0 −129.5 ± 273.2
pull
Entries 72
Mean 5456
Std Dev 5410

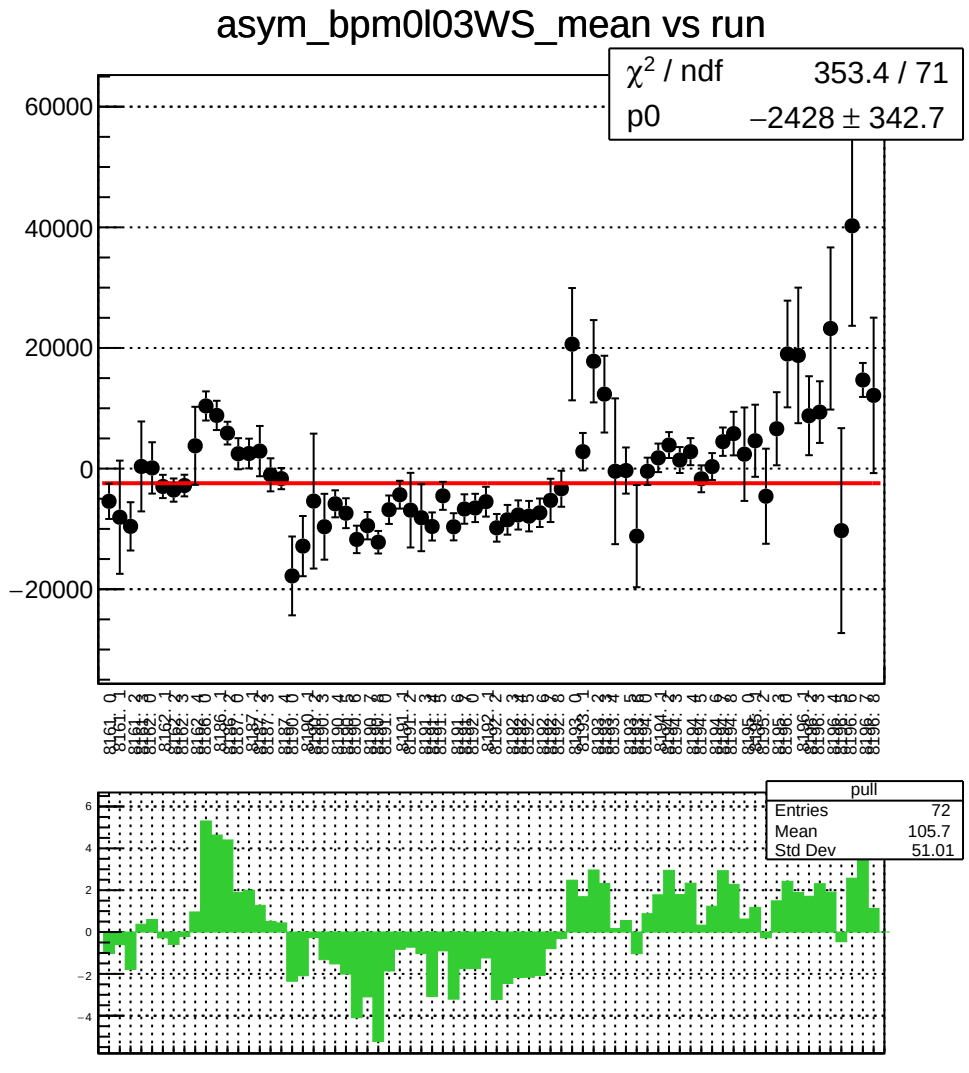

pull1D
Entries 72
Mean 0.006713
Std Dev 3.216

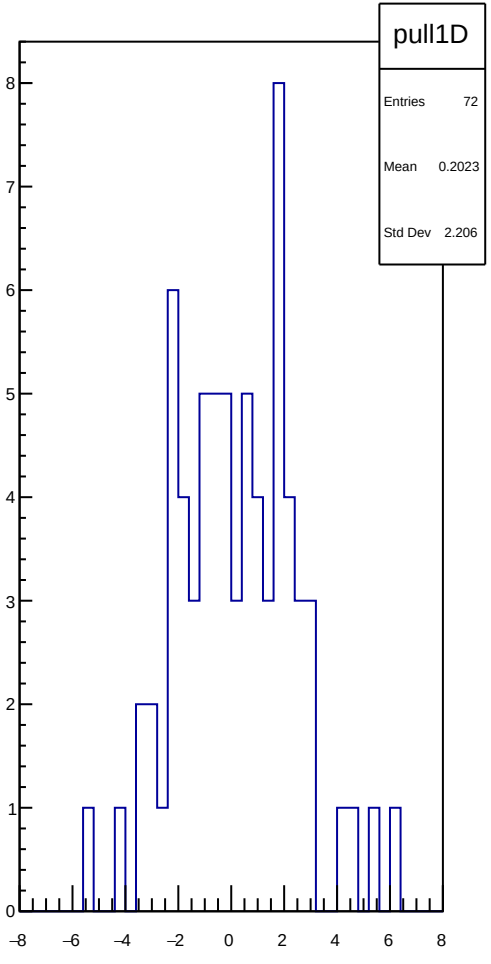

asym_bpm0l01WS_rms vs run
χ² / ndf 8058 / 71
p0 228.6 ± 0.1932
270
260
250
240
230
220
210
200
190

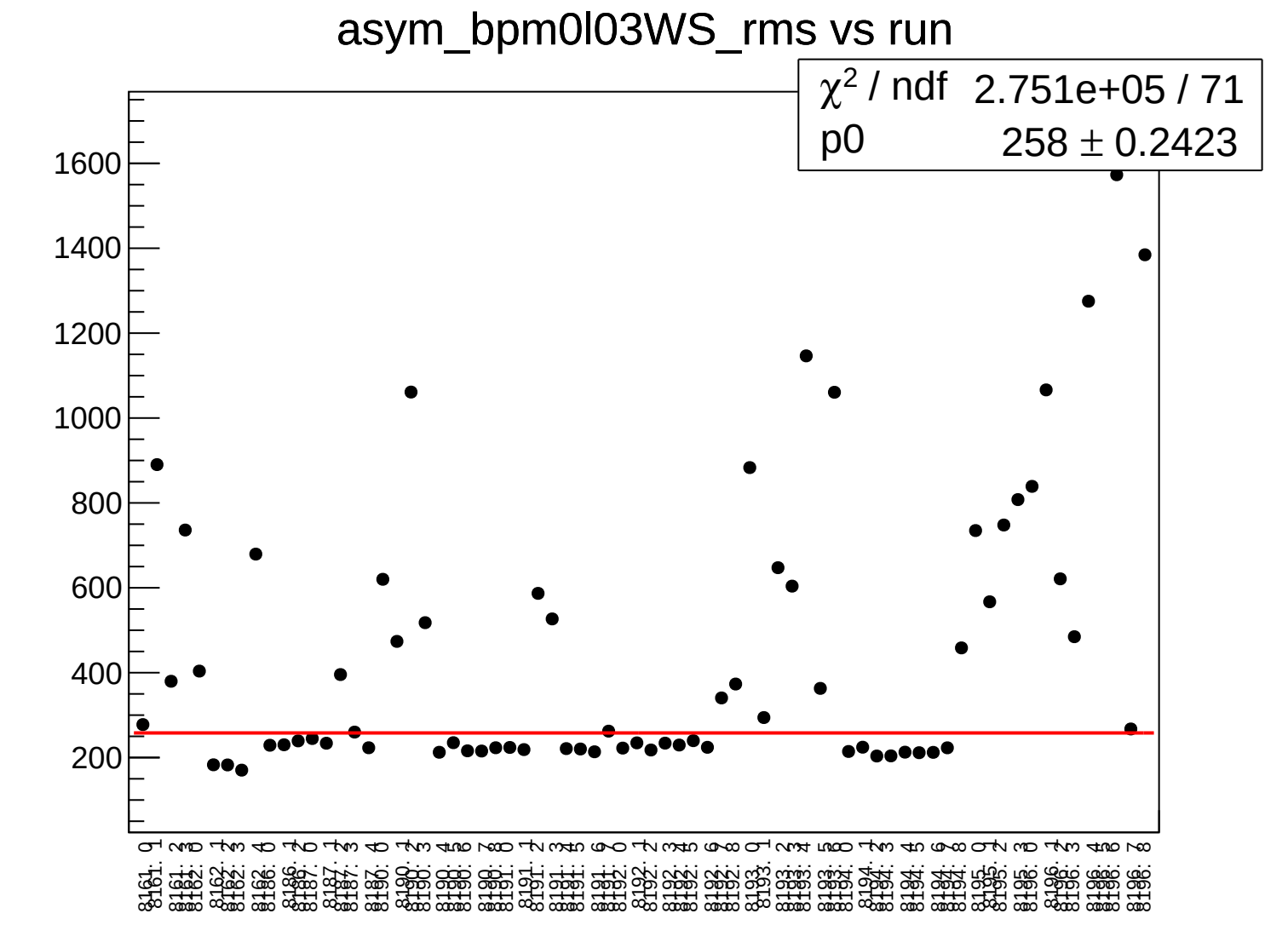

asym_bpm0l02WS_mean vs run
χ² / ndf 470.9 / 71
p0 744.9 ± 339.6
pull
Entries 72
Mean −1100
Std Dev 1144

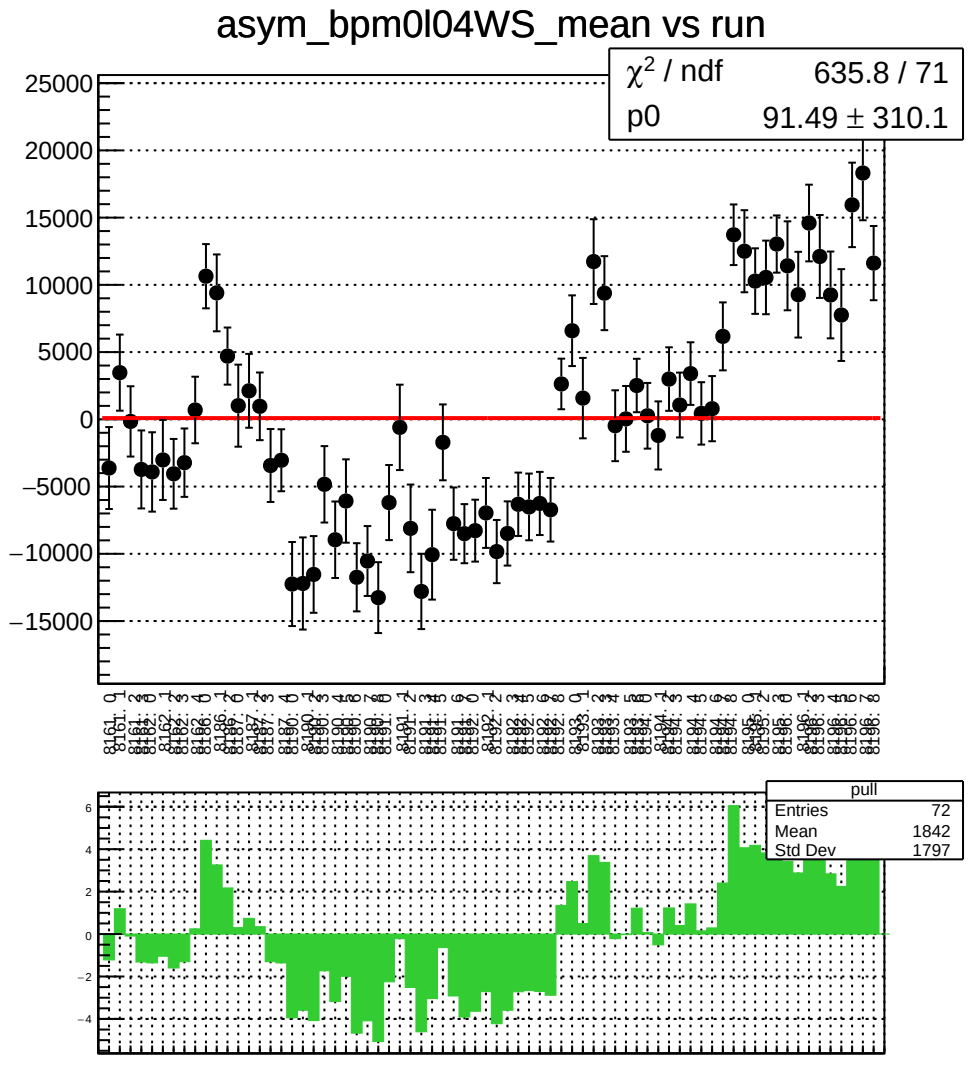

pull1D
Entries 72
Mean −0.02605
Std Dev 2.557

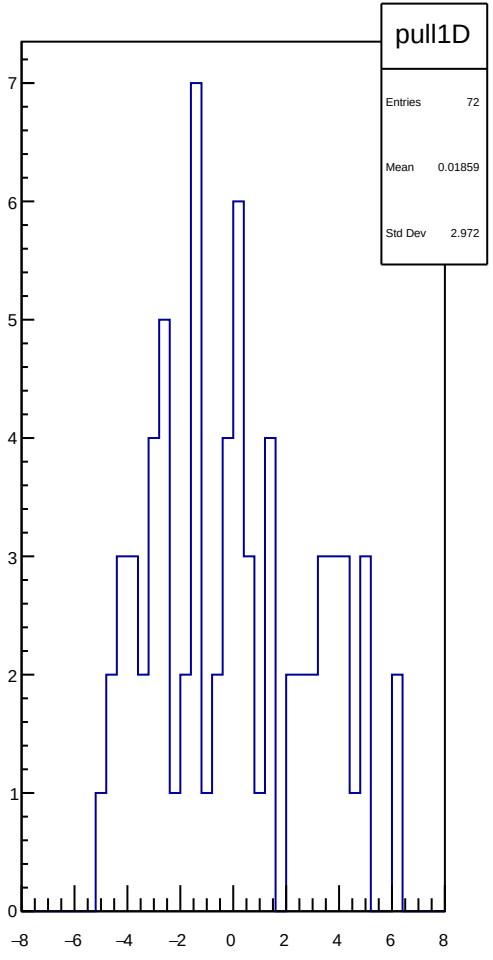

asym_bpm0l02WS_rms vs run
χ² / ndf 5602 / 71
p0 284.5 ± 0.2402
340
320
300
280
260
240

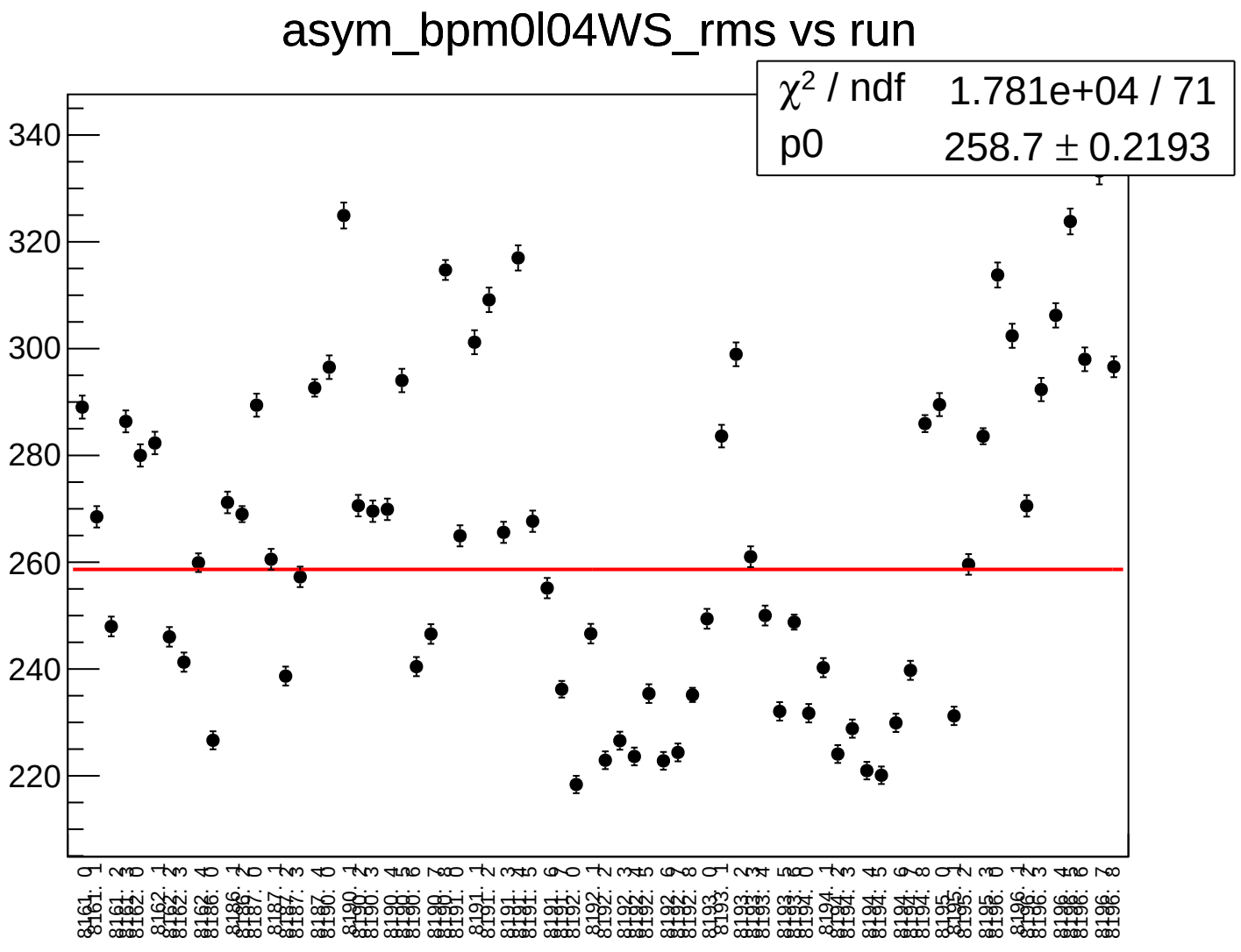

asym_bpm0l03WS_mean vs run
χ² / ndf 353.4 / 71
p0 −2428 ± 342.7
60000
40000
20000
0
−20000
pull
Entries 72
Mean 105.7
Std Dev 51.01
6
4
2
0
−2
−4

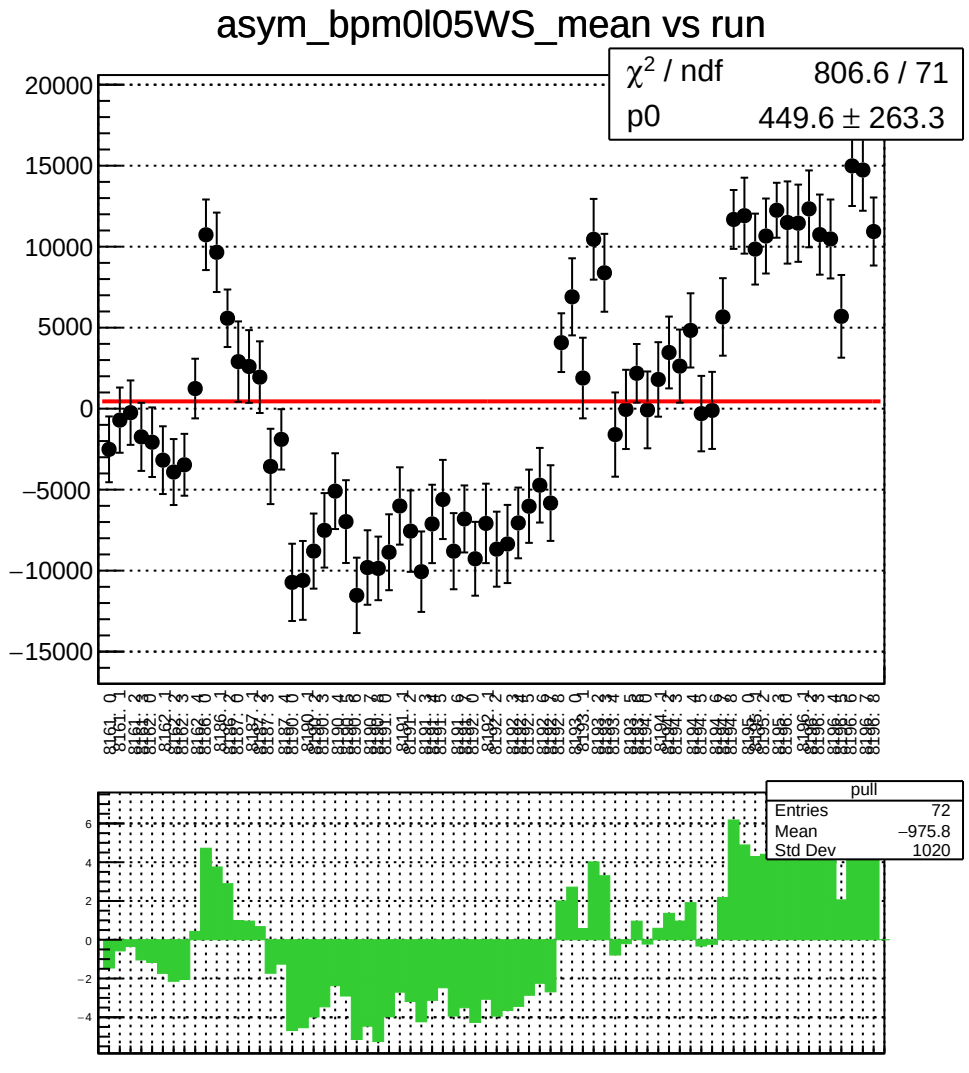

pull1D
Entries 72
Mean 0.2023
Std Dev 2.206
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

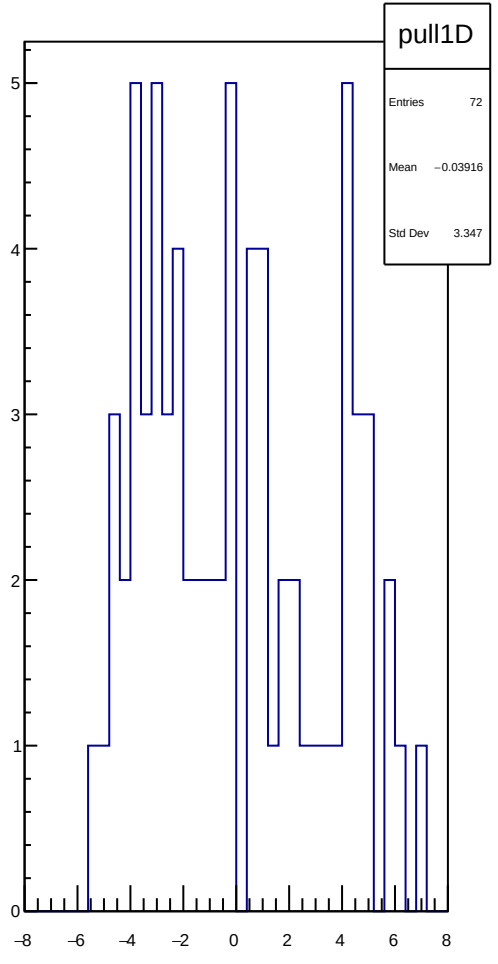

asym_bpm0l03WS_rms vs run
χ^2 / ndf 2.751e+05 / 71
p0 258 ± 0.2423
1600
1400
1200
1000
800
600
400
200

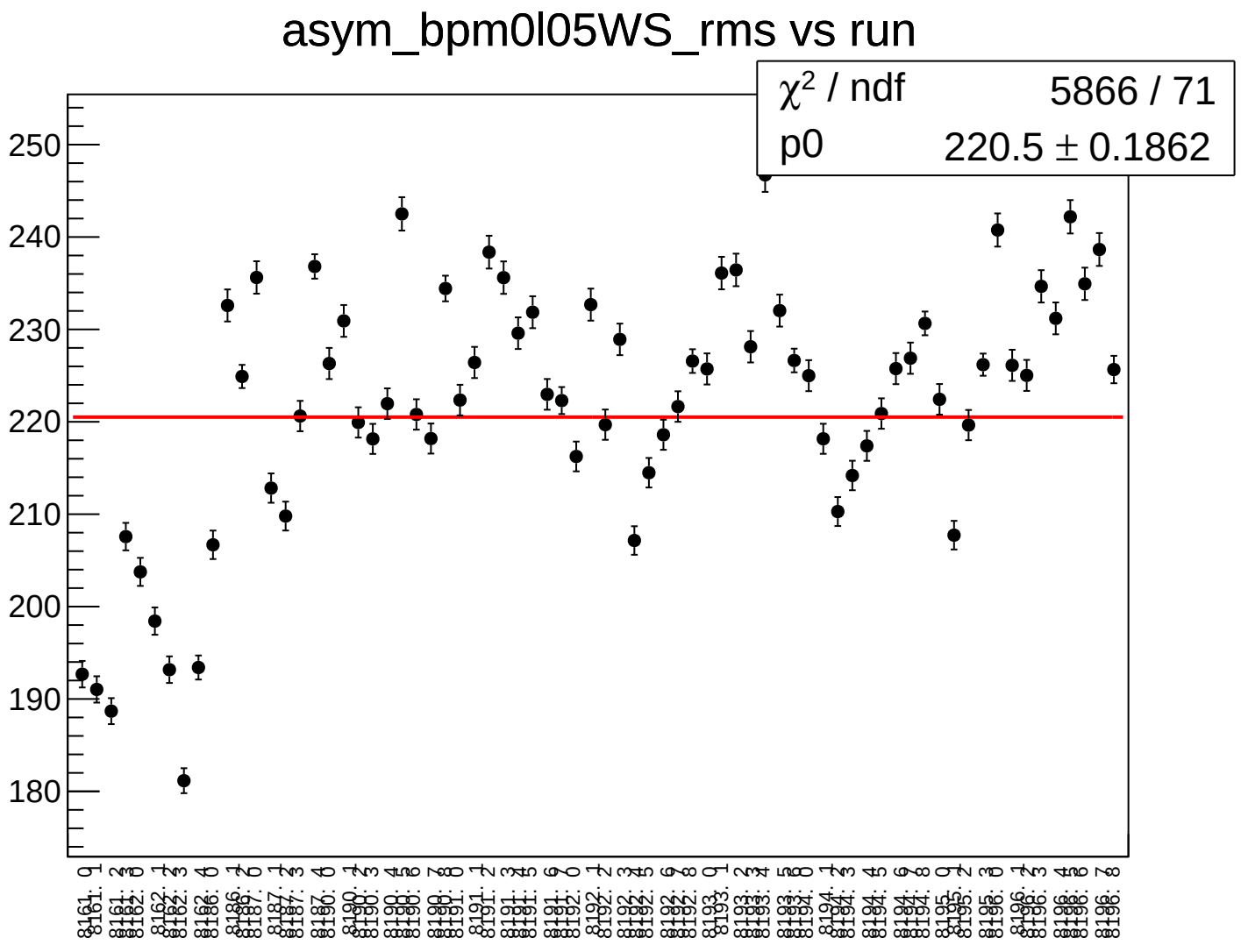

asym_bpm0l04WS_mean vs run
χ² / ndf 635.8 / 71
p0 91.49 ± 310.1
pull
Entries 72
Mean 1842
Std Dev 1797

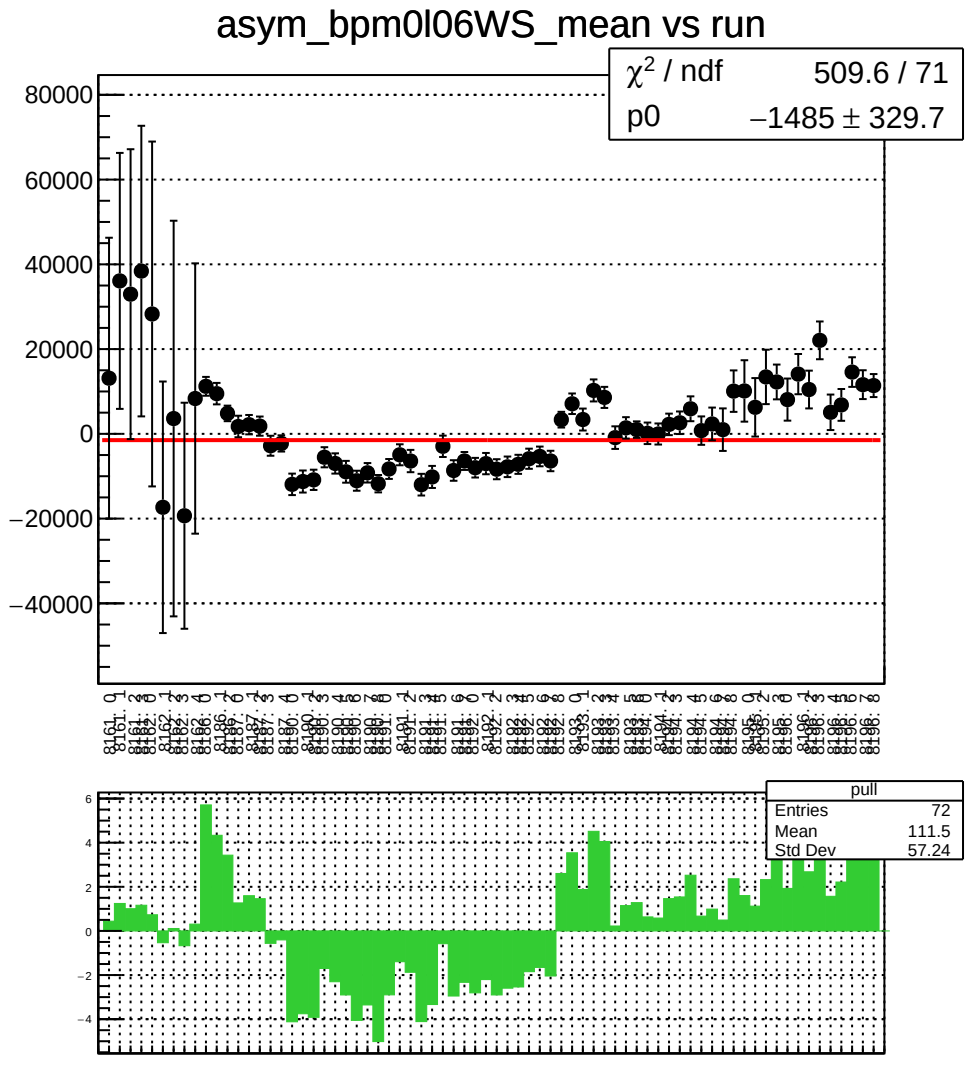

pull1D
Entries 72
Mean 0.01859
Std Dev 2.972

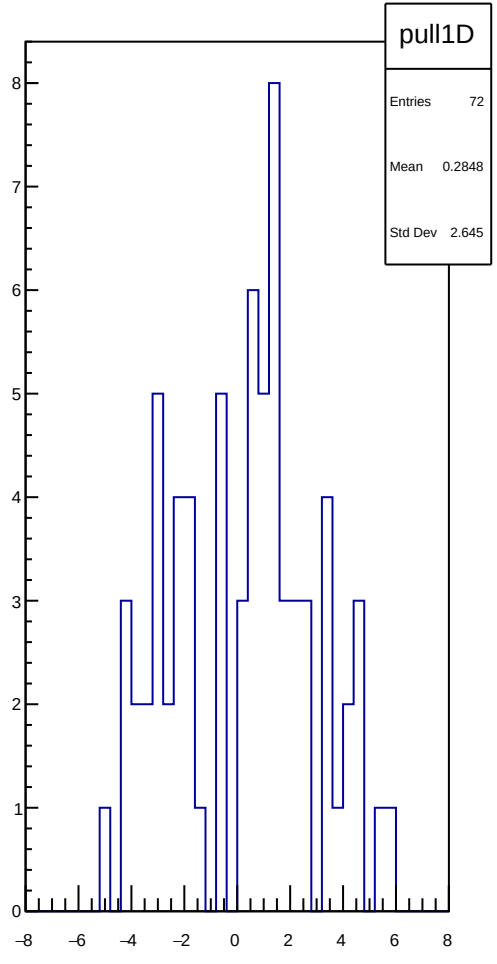

asym_bpm0l04WS_rms vs run
χ² / ndf 1.781e+04 / 71
p0 258.7 ± 0.2193
340
320
300
280
260
240
220

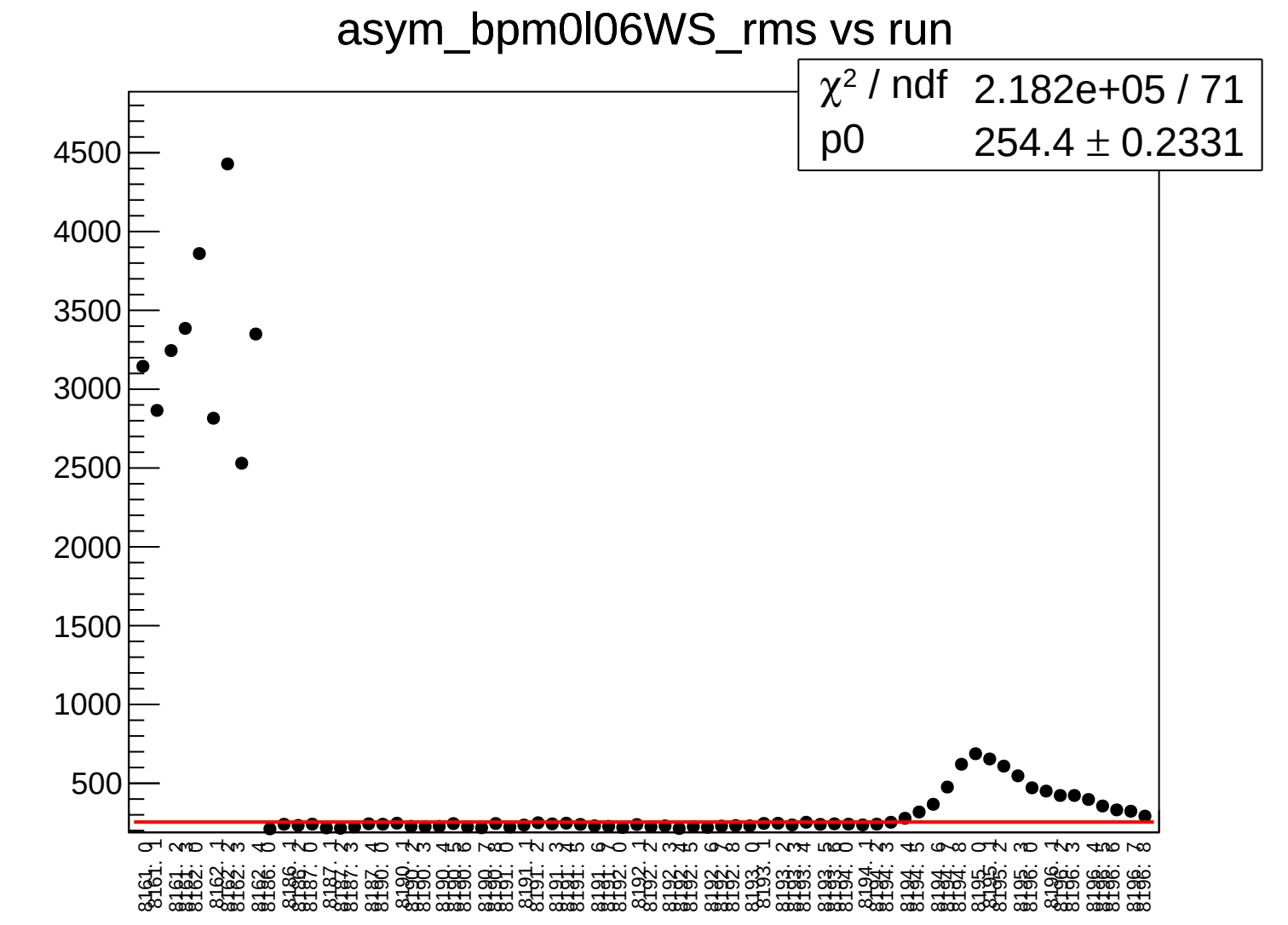

asym_bpm0l05WS_mean vs run
χ² / ndf 806.6 / 71
p0 449.6 ± 263.3
pull
Entries 72
Mean −975.8
Std Dev 1020

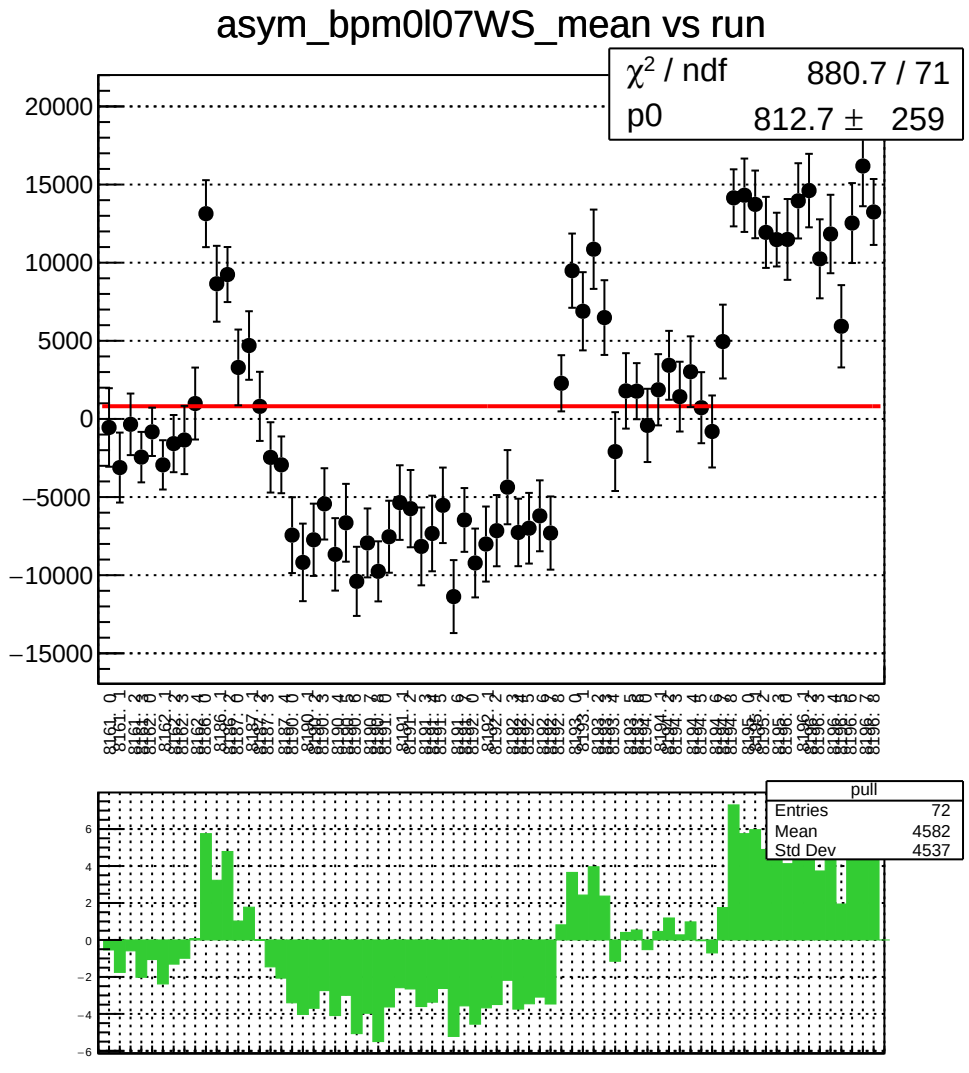

pull1D
Entries 72
Mean −0.03916
Std Dev 3.347

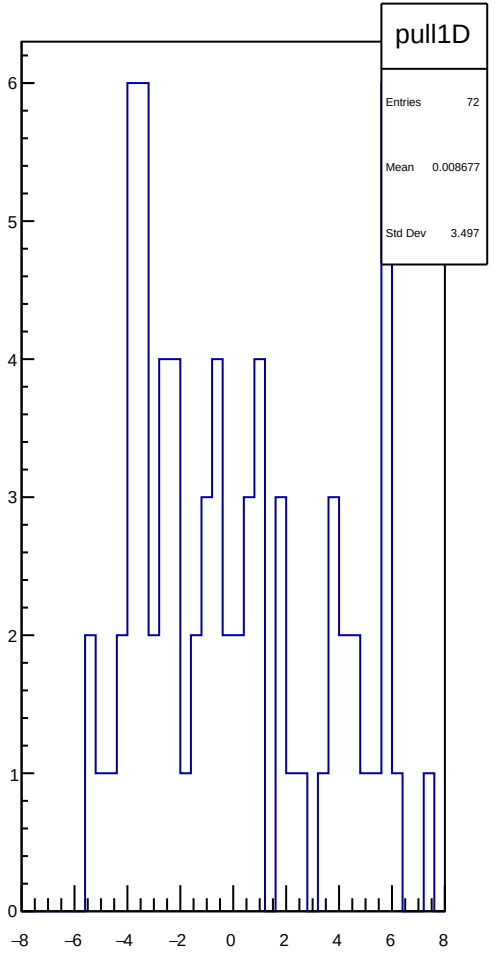

asym_bpm0l05WS_rms vs run
χ² / ndf 5866 / 71
p0 220.5 ± 0.1862
250
240
230
220
210
200
190
180

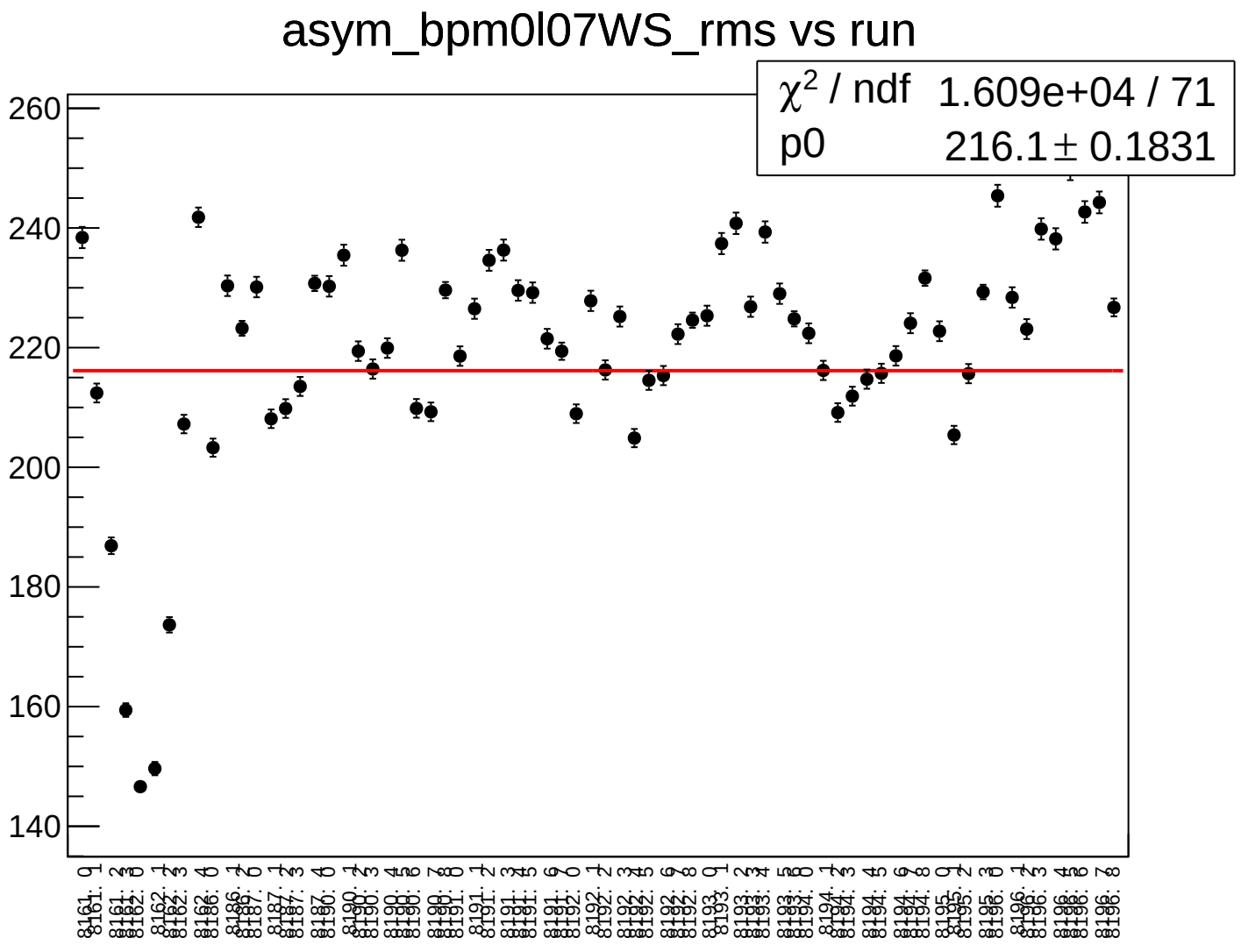

asym_bpm0l06WS_mean vs run
χ² / ndf 509.6 / 71
p0 −1485 ± 329.7
pull
Entries 72
Mean 111.5
Std Dev 57.24

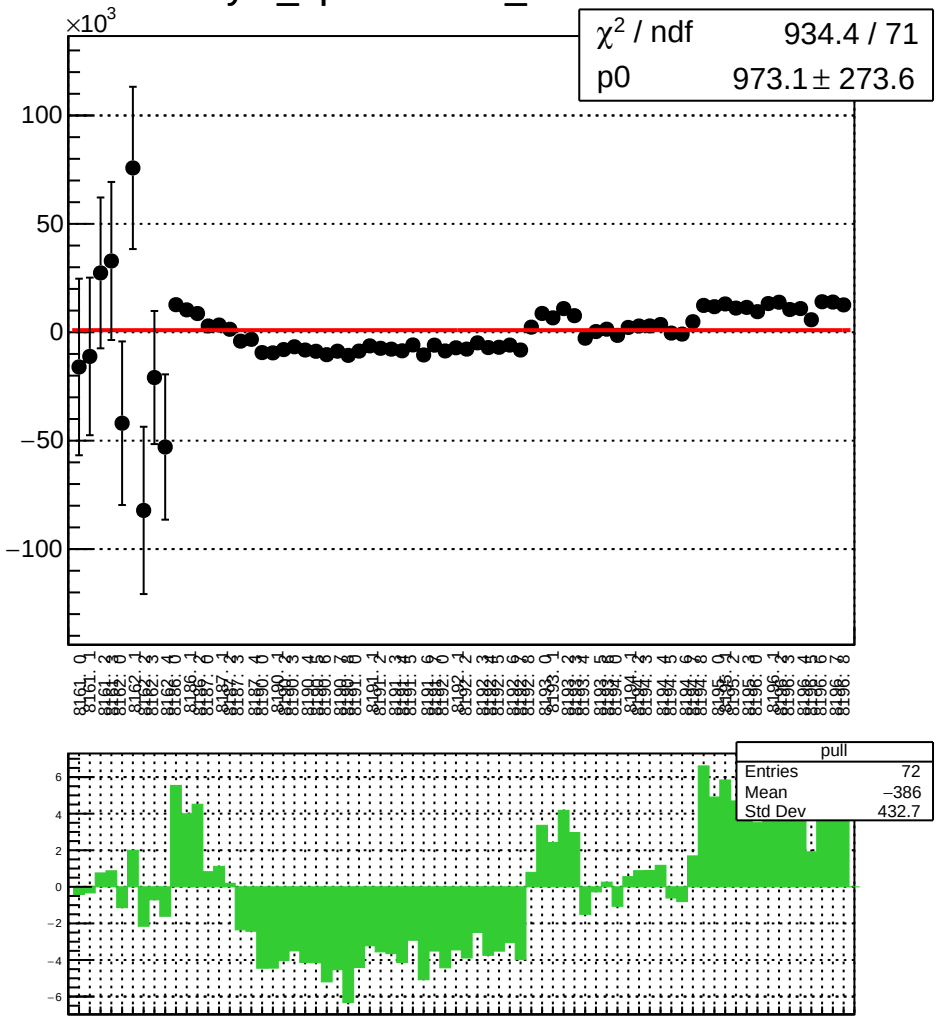

pull1D
Entries 72
Mean 0.2848
Std Dev 2.645

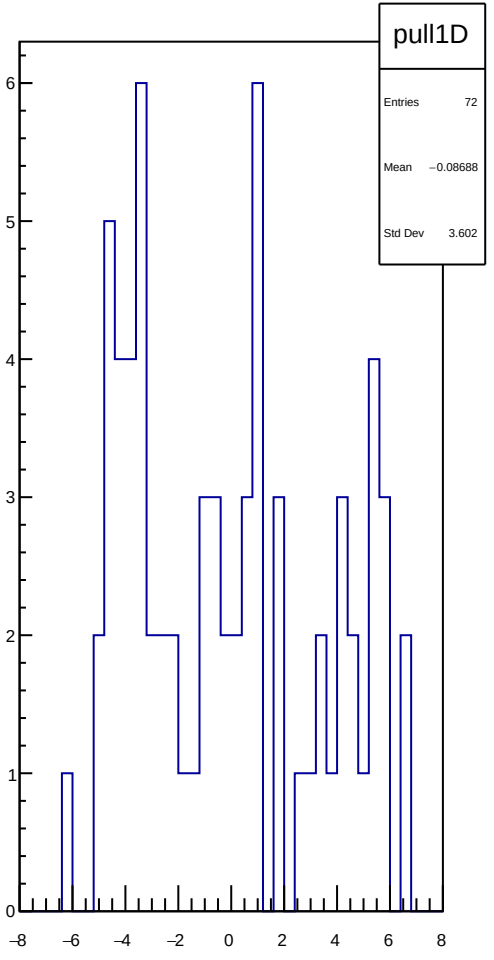

asym_bpm0l06WS_rms vs run
χ² / ndf 2.182e+05 / 71
p0 254.4 ± 0.2331
4500
4000
3500
3000
2500
2000
1500
1000
500

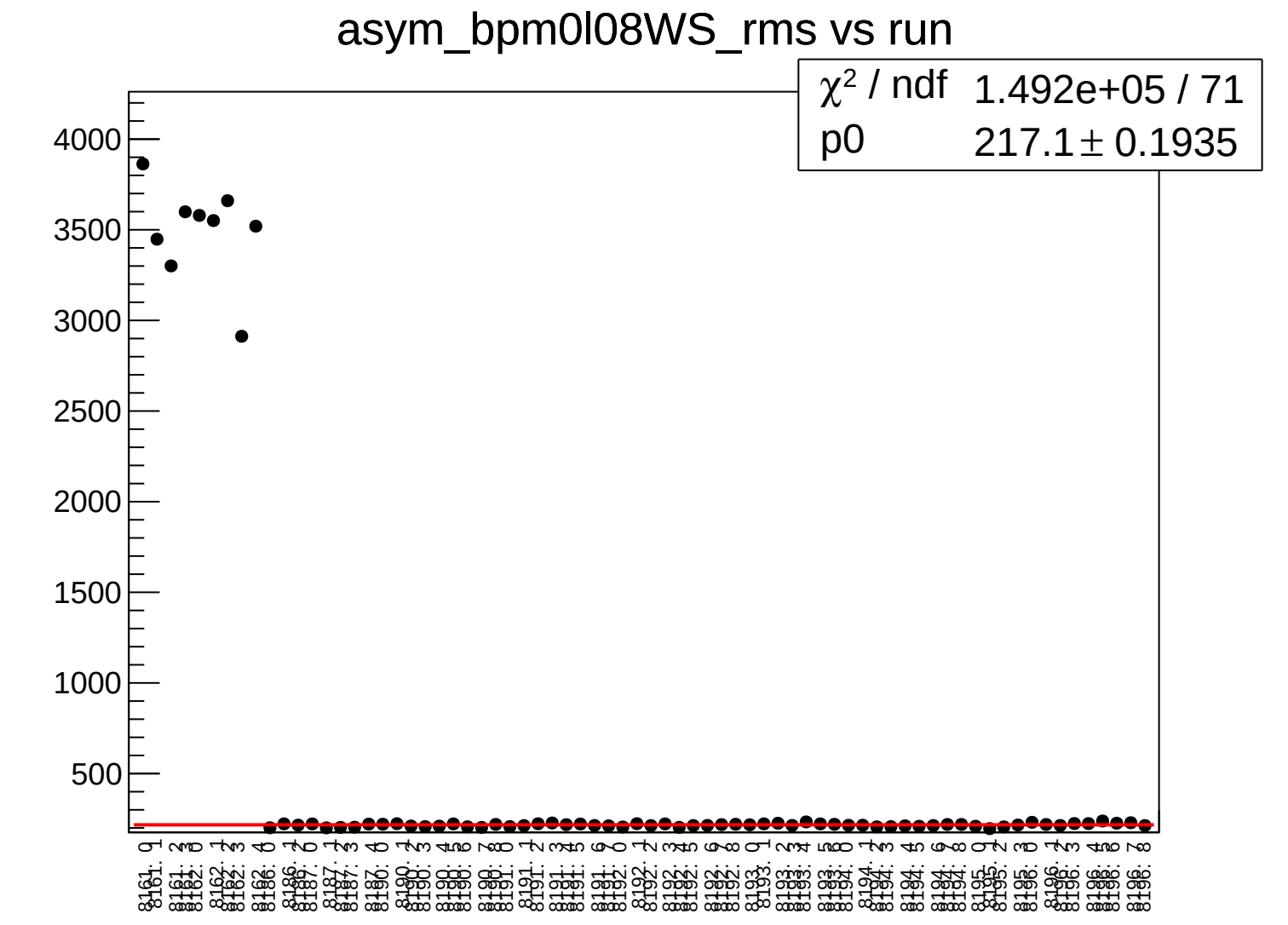

asym_bpm0l07WS_mean vs run
χ² / ndf 880.7 / 71
p0 812.7 ± 259
pull
Entries 72
Mean 4582
Std Dev 4537

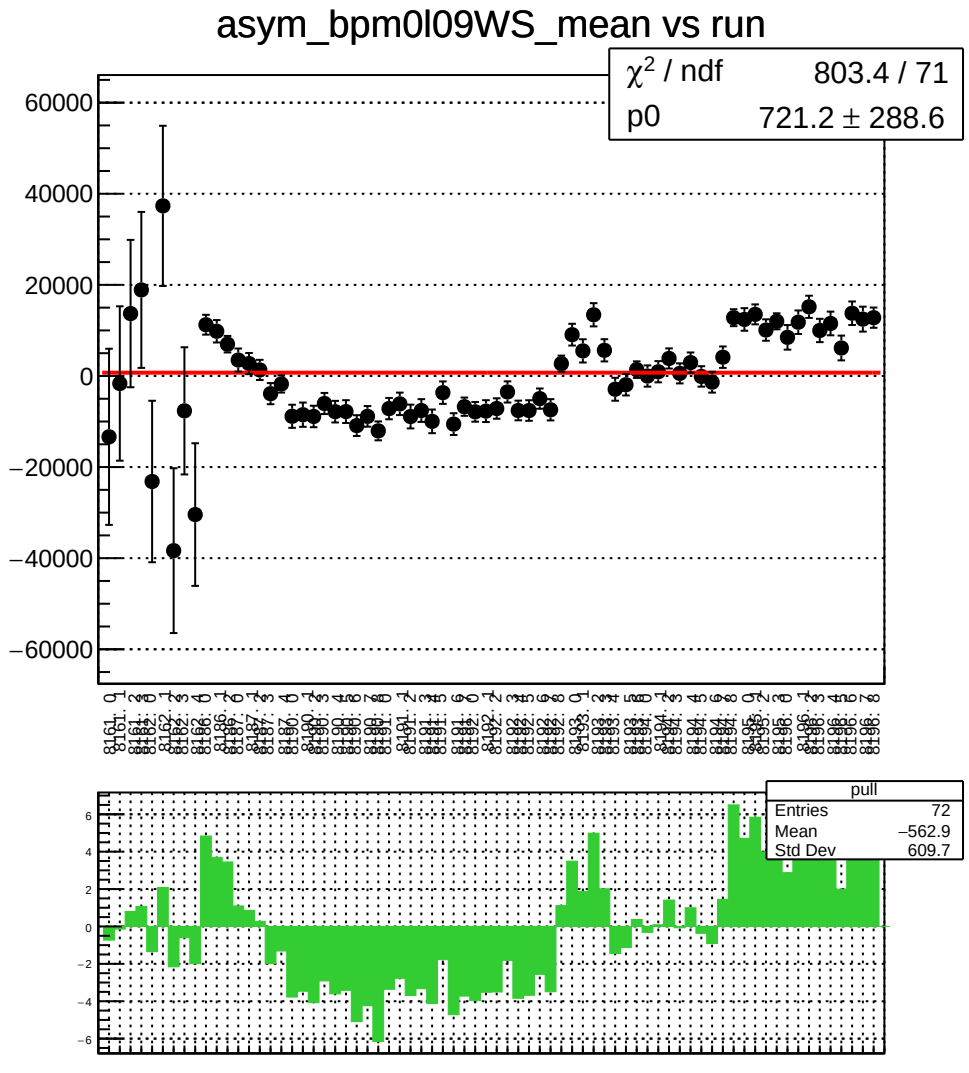

pull1D
Entries 72
Mean 0.008677
Std Dev 3.497

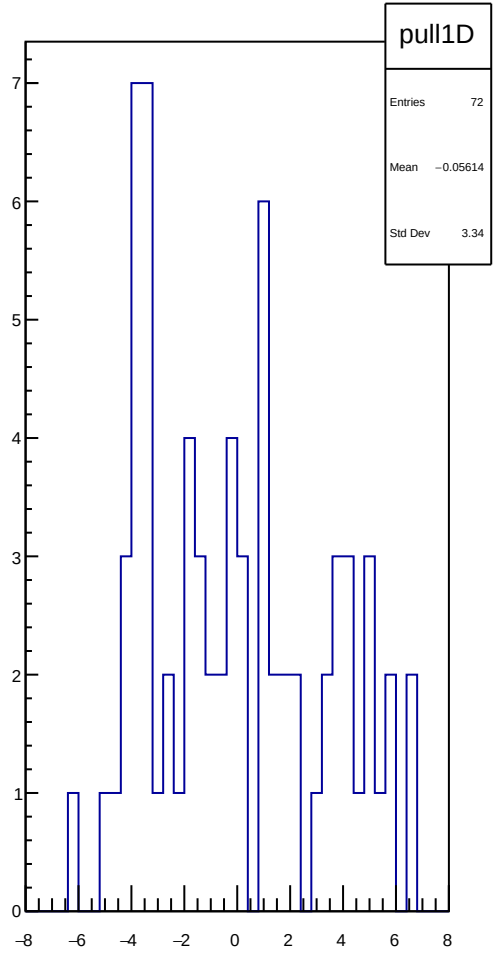

asym_bpm0l07WS_rms vs run
χ² / ndf 1.609e+04 / 71
p0 216.1 ± 0.1831
260
240
220
200
180
160
140

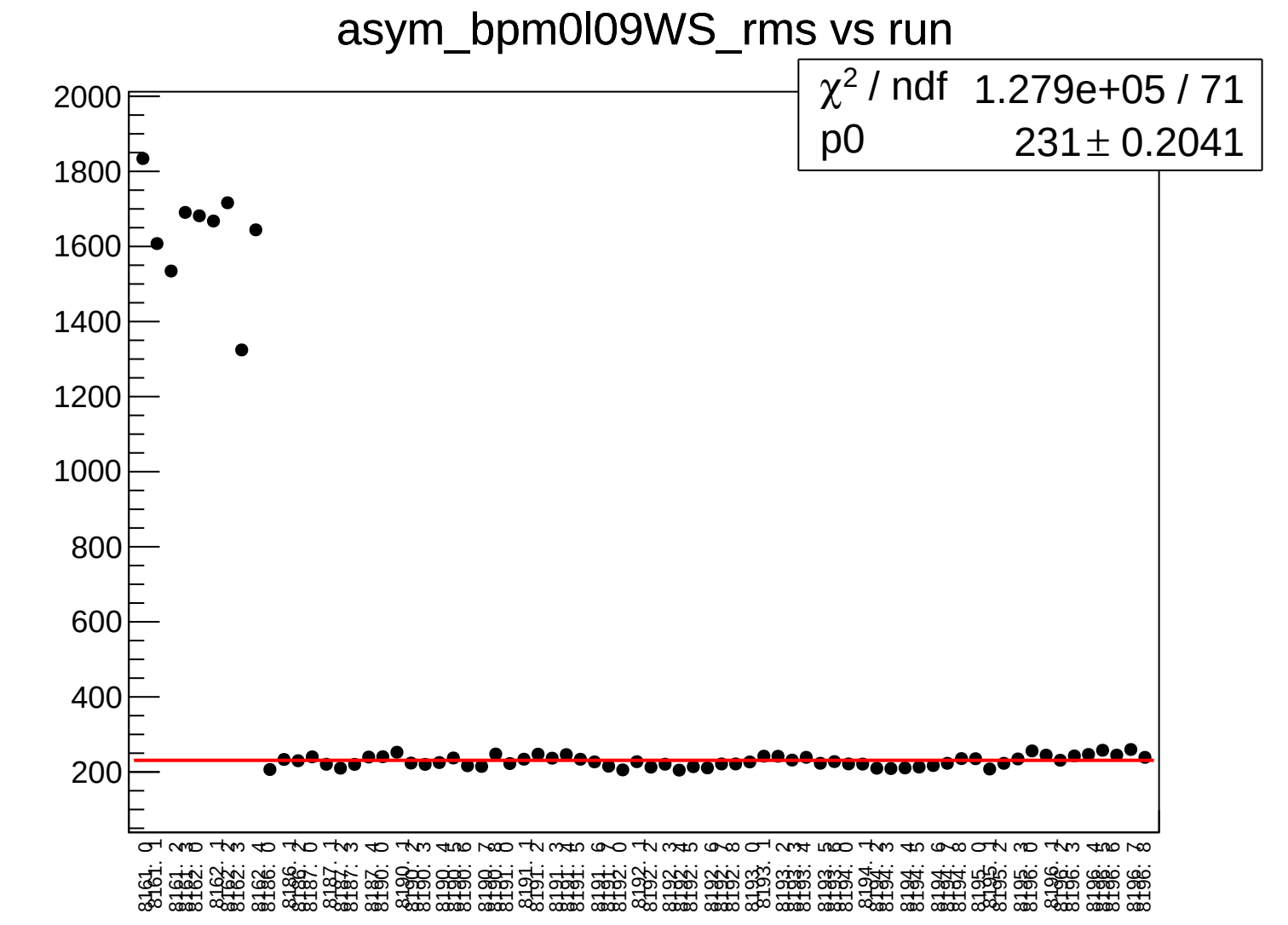

asym_bpm0l08WS_mean vs run
χ^2 / ndf 934.4 / 71
p0 973.1 ± 273.6
×10^3
pull
Entries 72
Mean −386
Std Dev 432.7

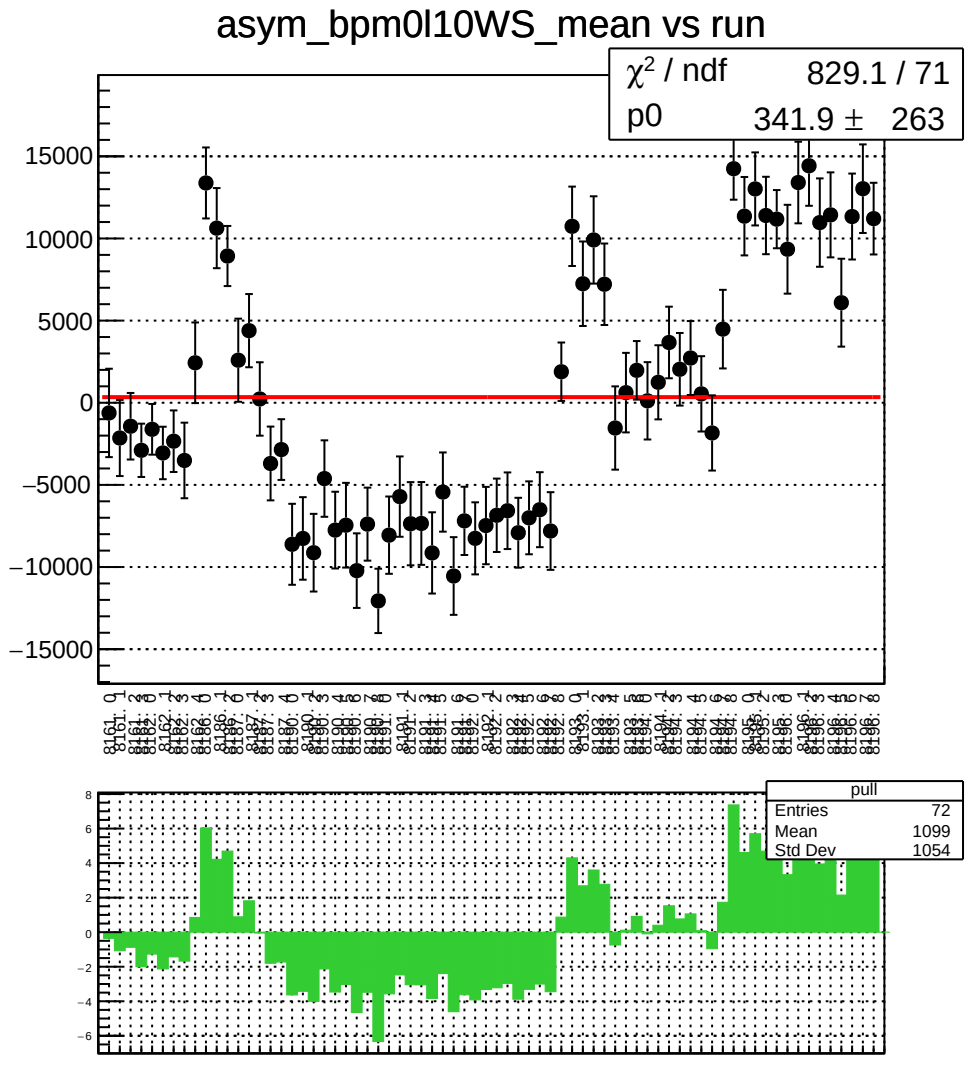

pull1D
Entries 72
Mean −0.08688
Std Dev 3.602

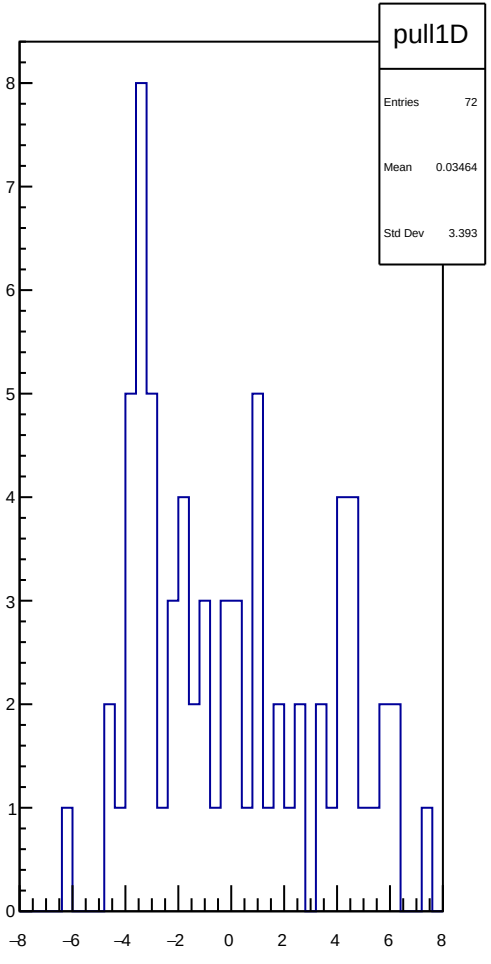

asym_bpm0l08WS_rms vs run
χ² / ndf 1.492e+05 / 71
p0 217.1 ± 0.1935
4000
3500
3000
2500
2000
1500
1000
500

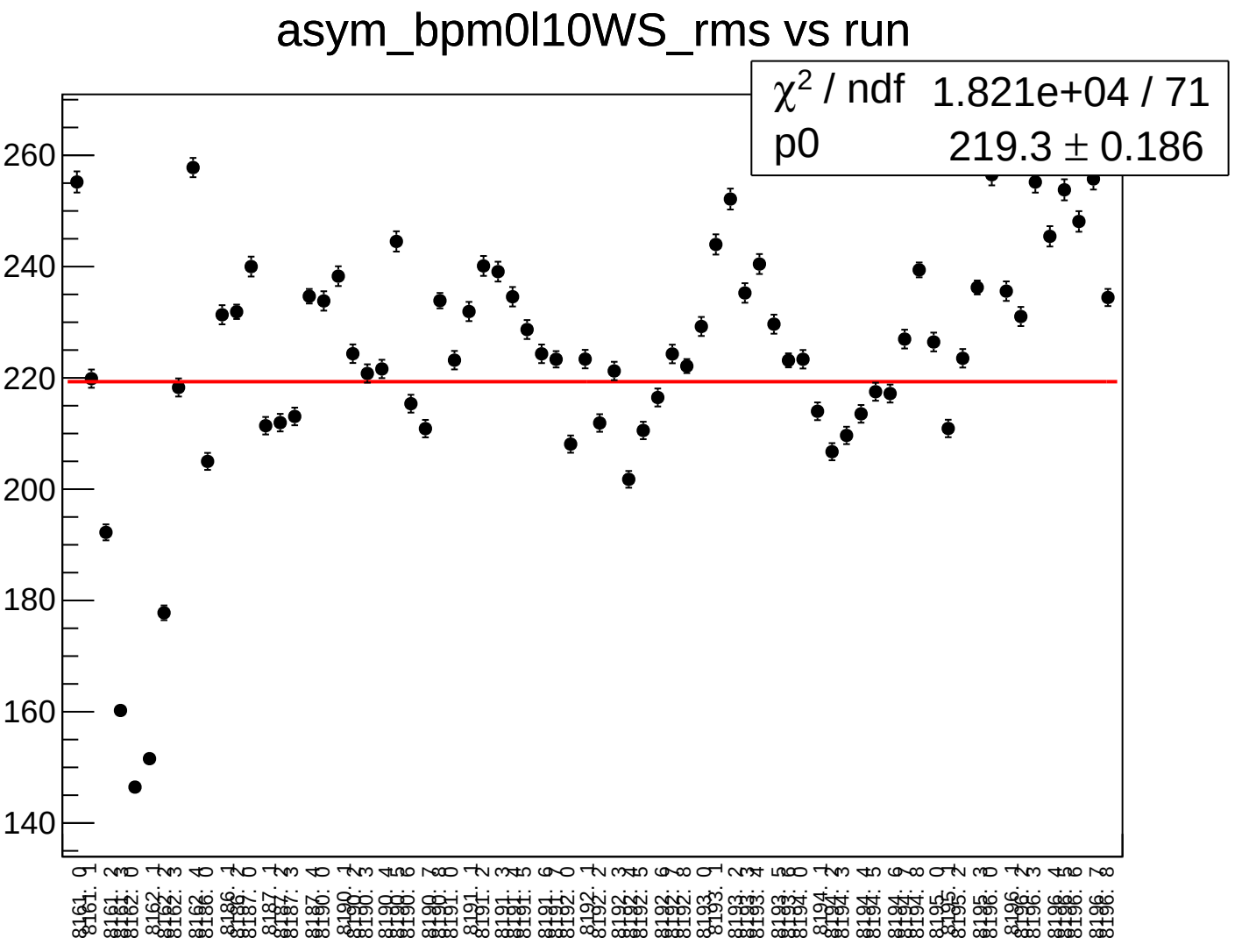

asym_bpm0l09WS_mean vs run
χ² / ndf 803.4 / 71
p0 721.2 ± 288.6
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 72
Mean −562.9
Std Dev 609.7
6
4
2
0
−2
−4
−6

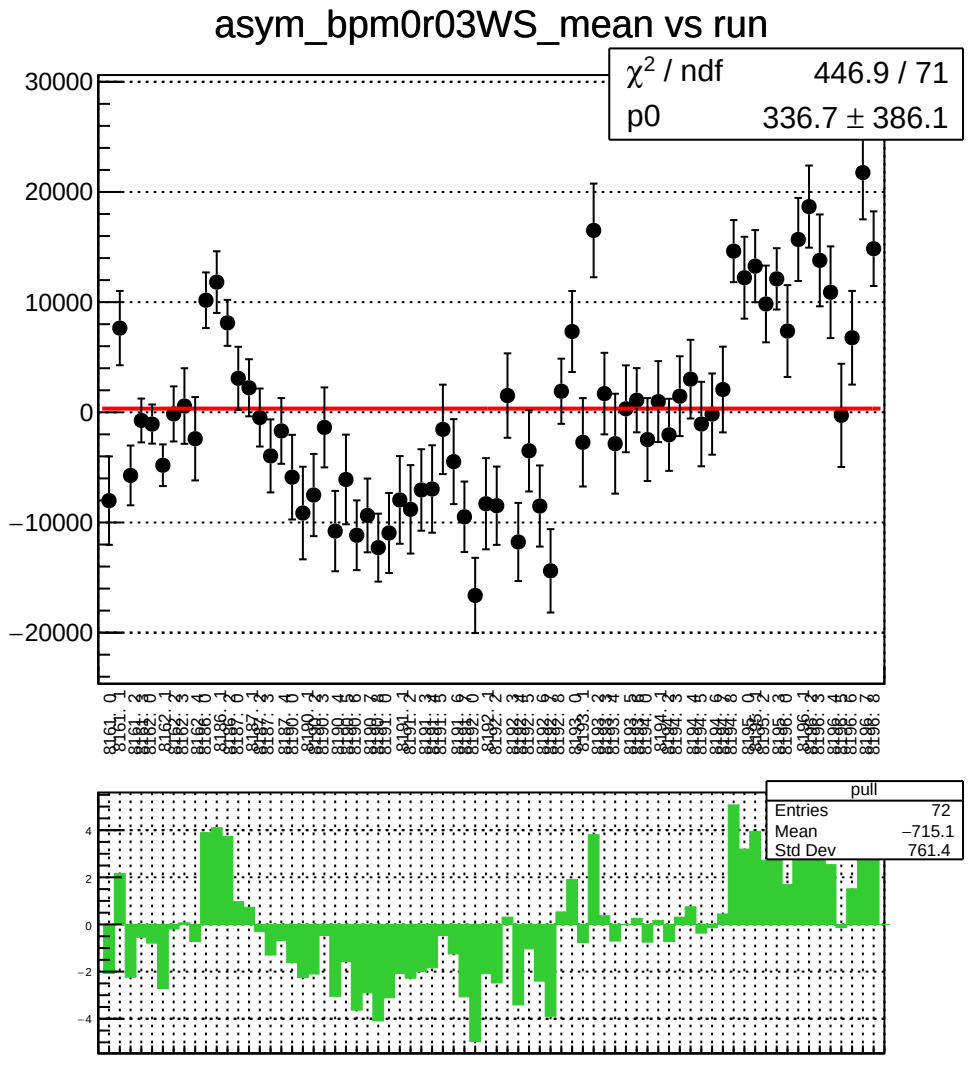

pull1D
Entries 72
Mean −0.05614
Std Dev 3.34
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

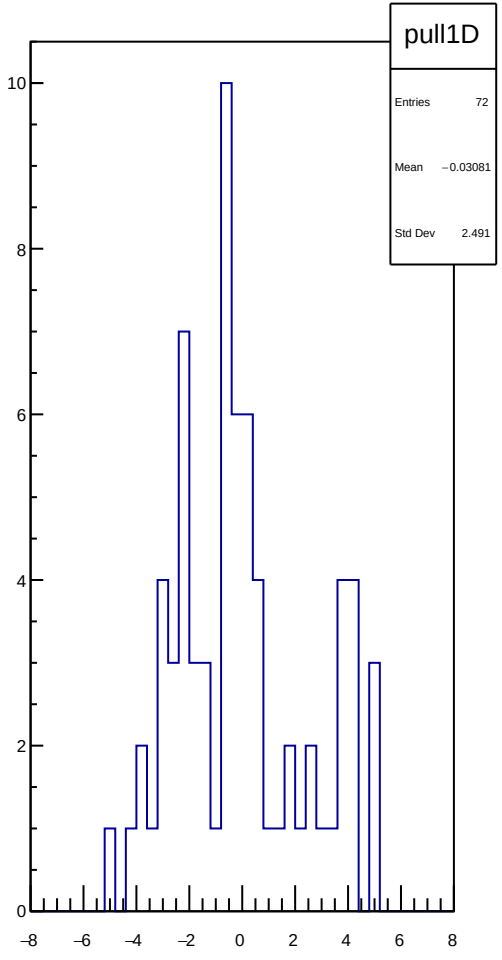

asym_bpm0l09WS_rms vs run
χ² / ndf 1.279e+05 / 71
p0 231 ± 0.2041
2000
1800
1600
1400
1200
1000
800
600
400
200

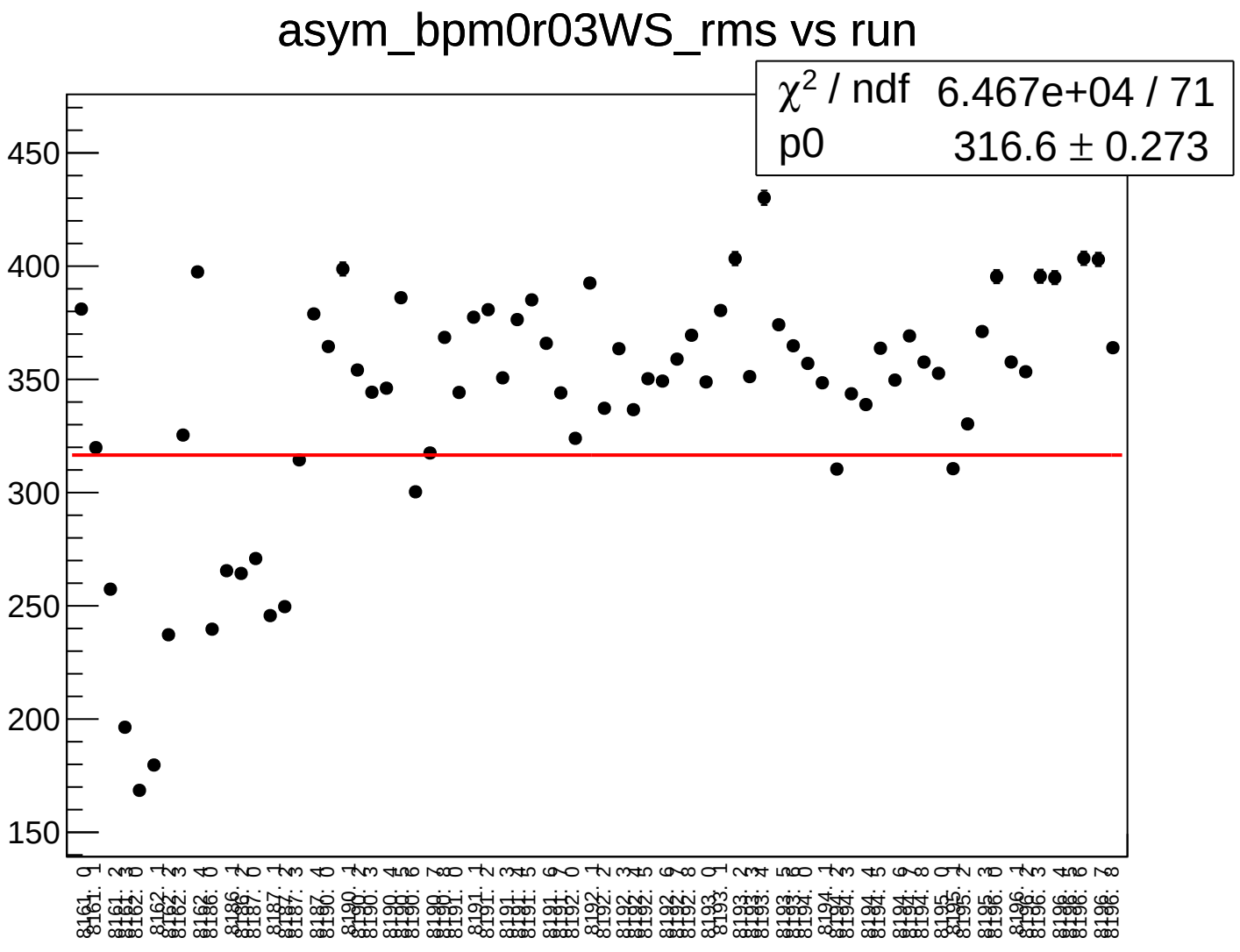

asym_bpm0l10WS_mean vs run
χ² / ndf 829.1 / 71
p0 341.9 ± 263
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 72
Mean 1099
Std Dev 1054
8
6
4
2
0
−2
−4
−6

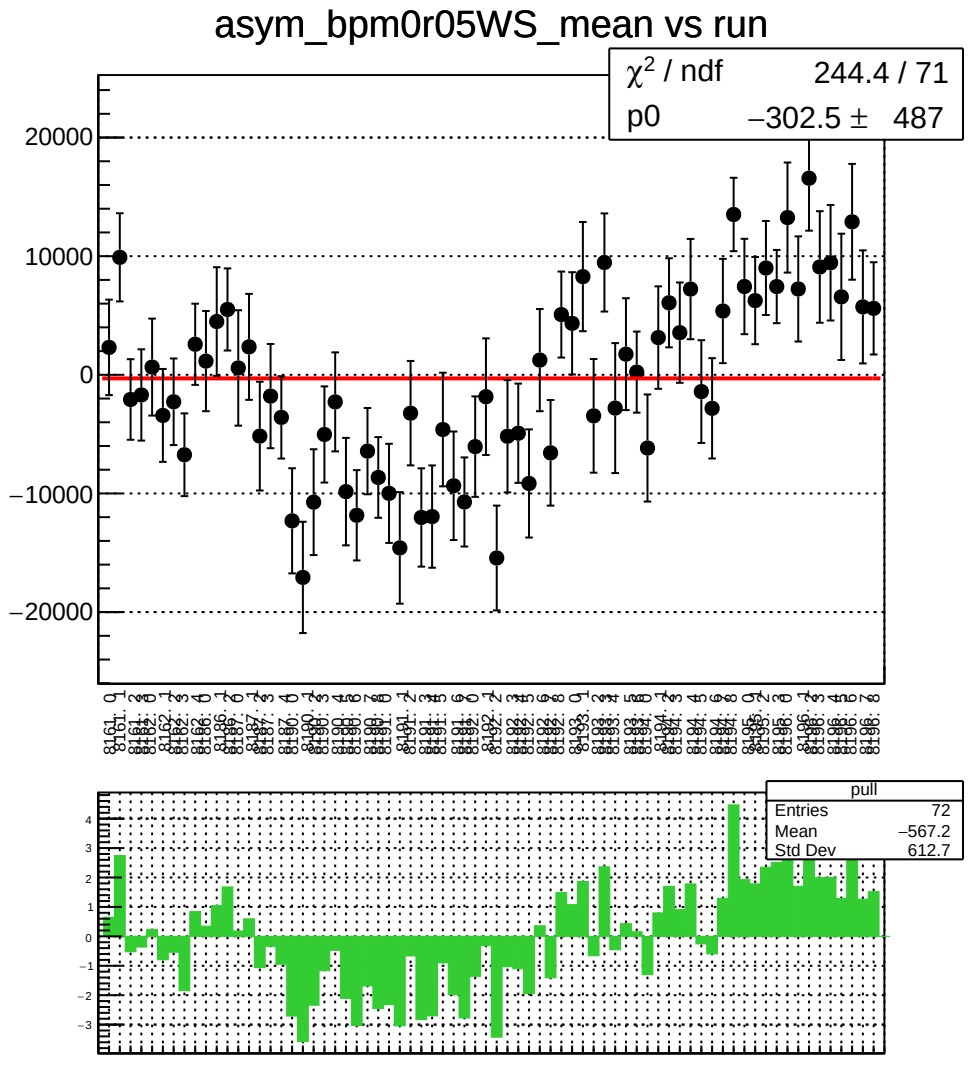

pull1D
Entries 72
Mean 0.03464
Std Dev 3.393
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

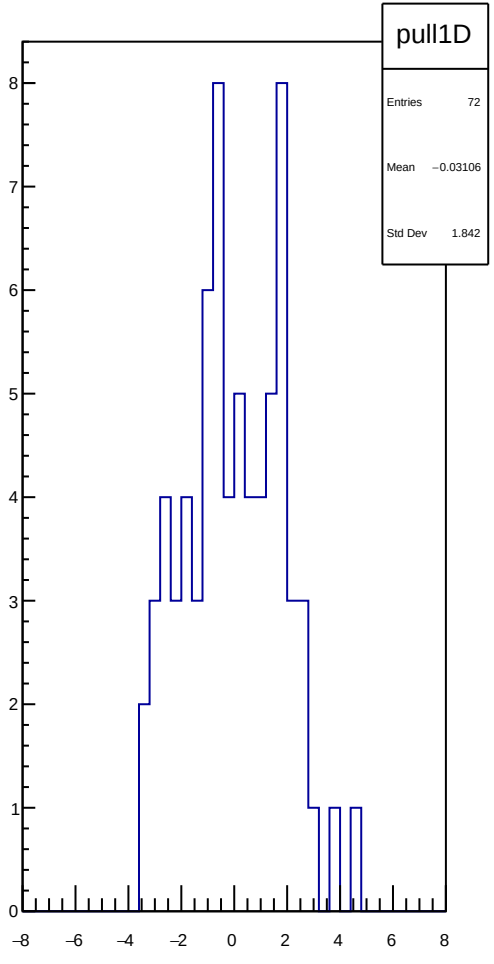

asym_bpm0l10WS_rms vs run
χ^2 / ndf 1.821e+04 / 71
p0 219.3 ± 0.186
260
240
220
200
180
160
140

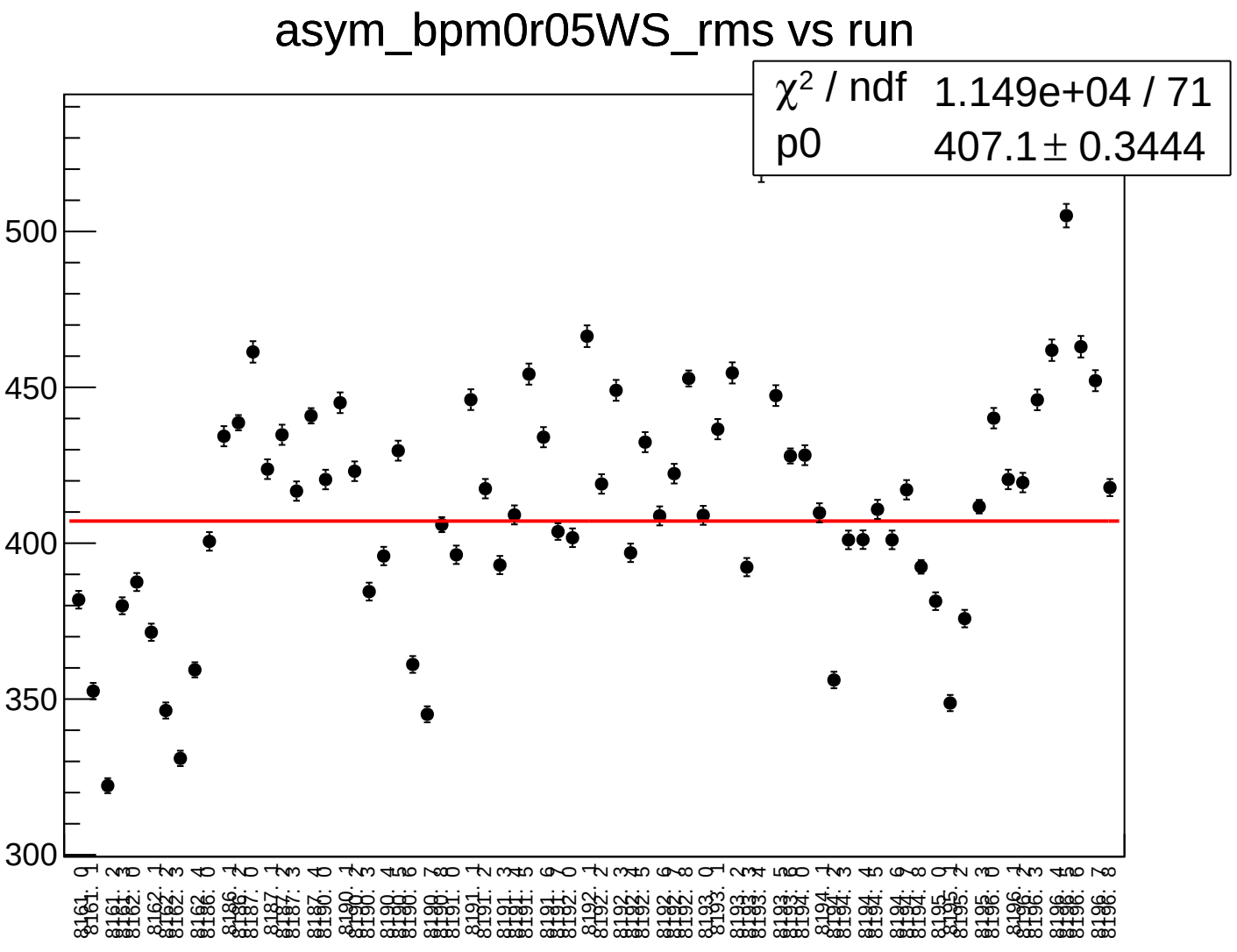

asym_bpm0r03WS_mean vs run
χ² / ndf 446.9 / 71
p0 336.7 ± 386.1
30000
20000
10000
0
−10000
−20000
pull
Entries 72
Mean −715.1
Std Dev 761.4
4
2
0
−2
−4

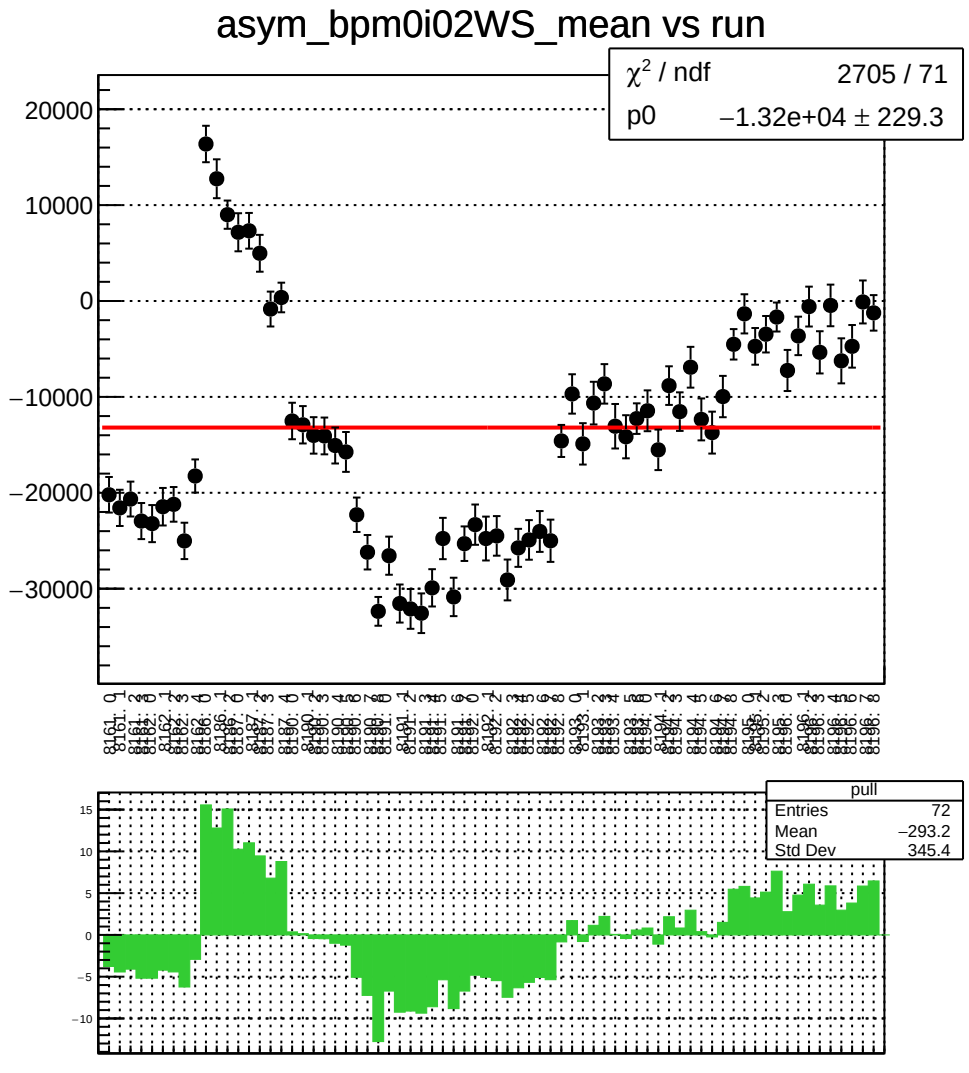

pull1D
Entries 72
Mean −0.03081
Std Dev 2.491
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

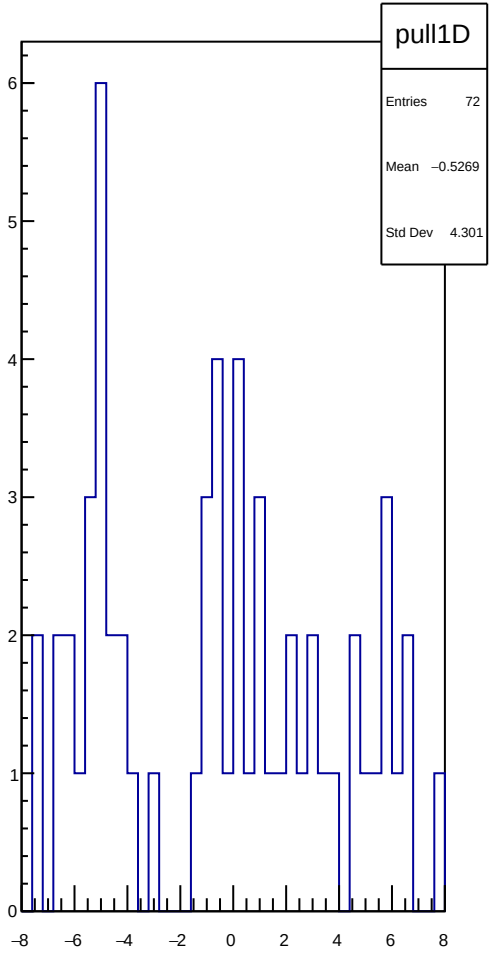

asym_bpm0r03WS_rms vs run
χ^2 / ndf 6.467e+04 / 71
p0 316.6 ± 0.273
450
400
350
300
250
200
150

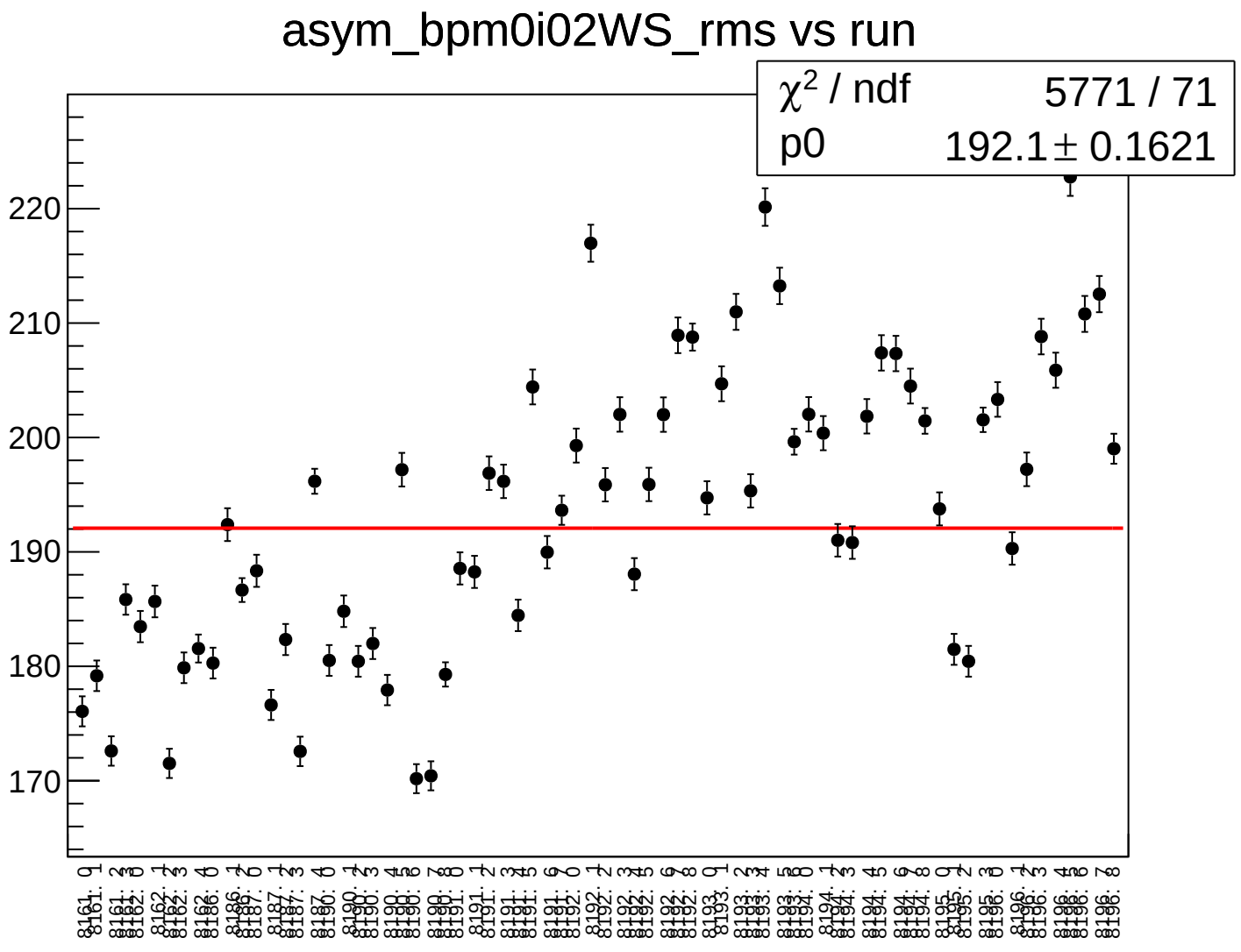

asym_bpm0r05WS_mean vs run
χ² / ndf 244.4 / 71
p0 −302.5 ± 487
20000
10000
0
−10000
−20000
pull
Entries 72
Mean −567.2
Std Dev 612.7
4
3
2
1
0
−1
−2
−3

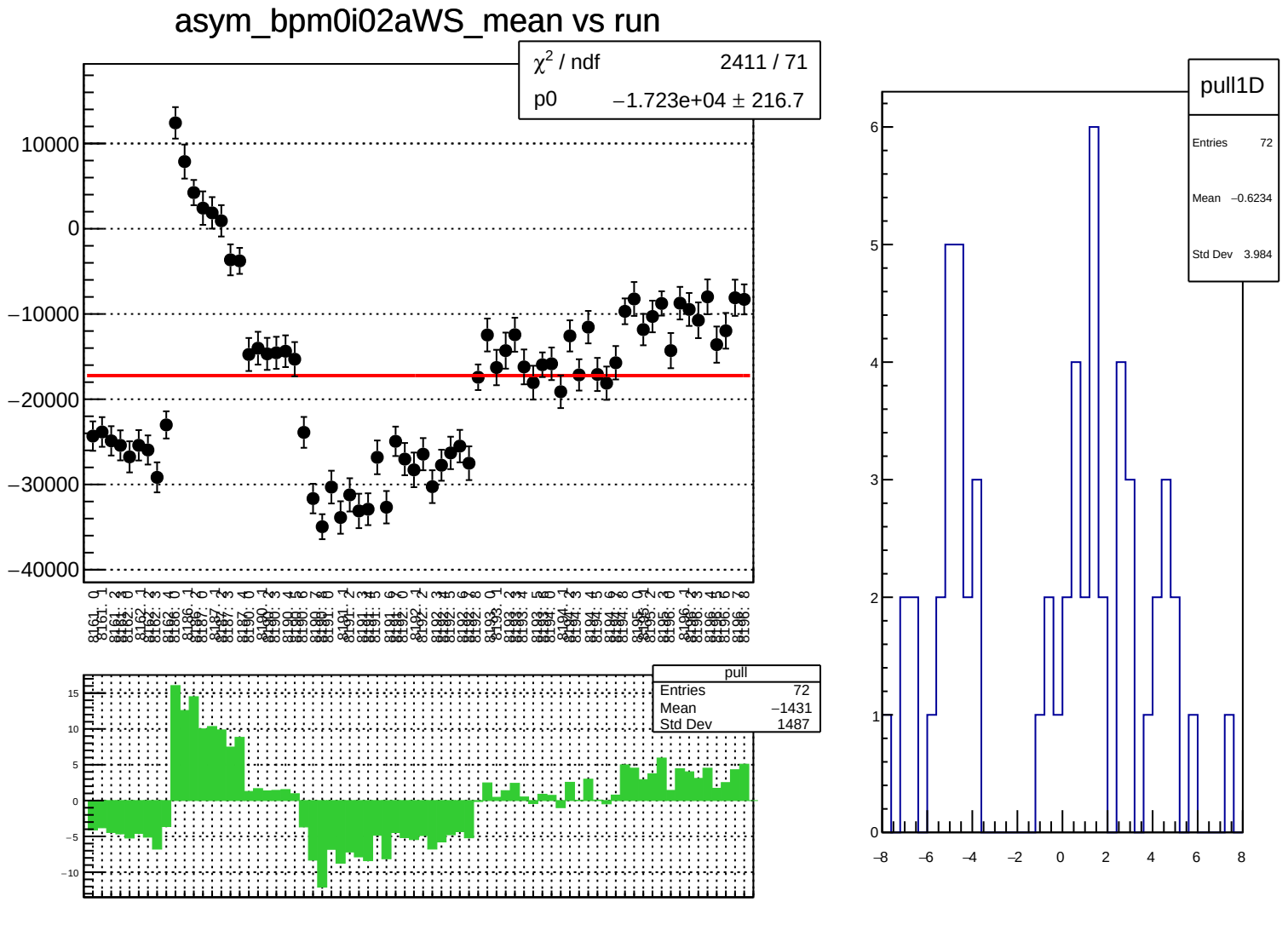

pull1D
Entries 72
Mean −0.03106
Std Dev 1.842
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

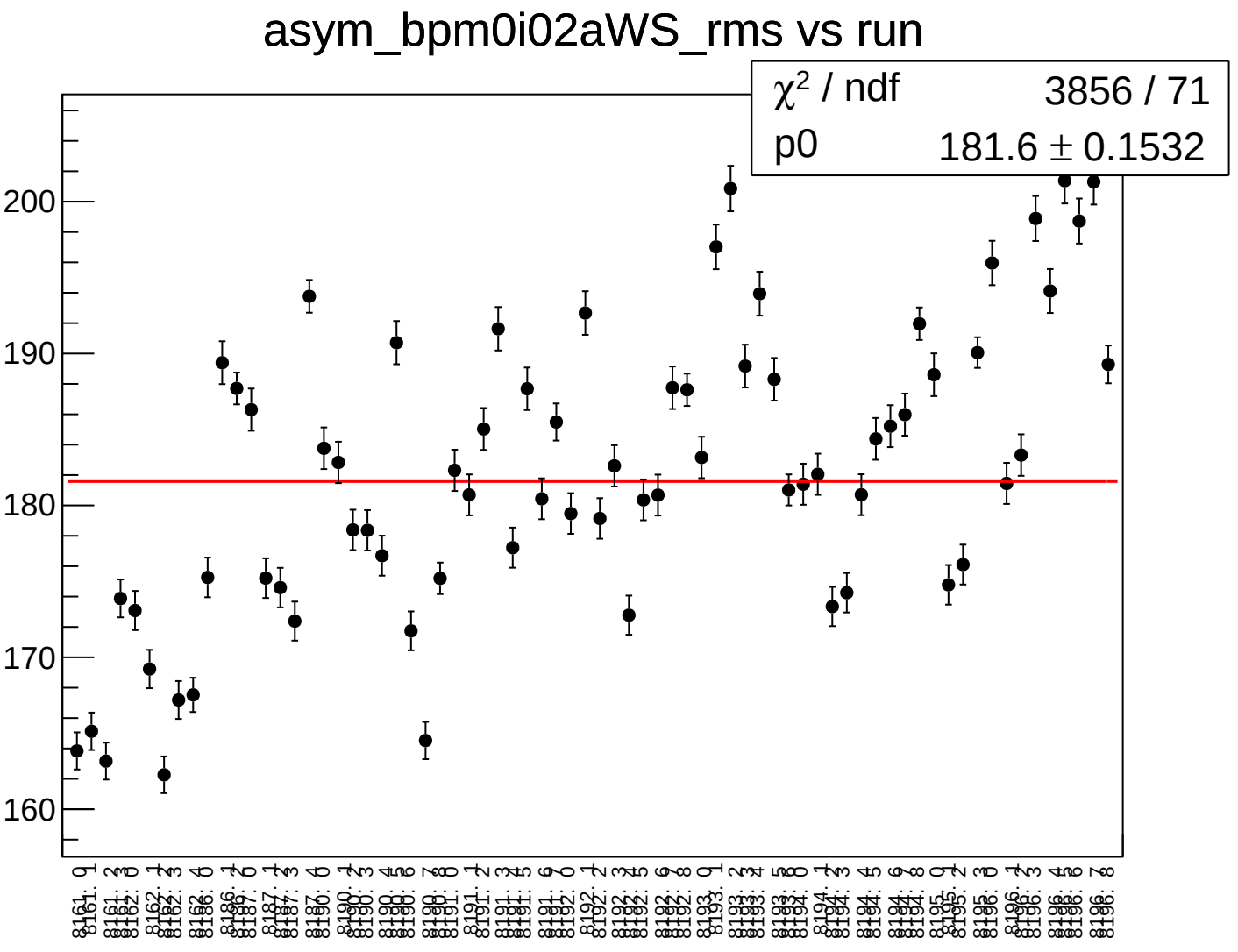

asym_bpm0r05WS_rms vs run
χ² / ndf 1.149e+04 / 71
p0 407.1 ± 0.3444
500
450
400
350
300

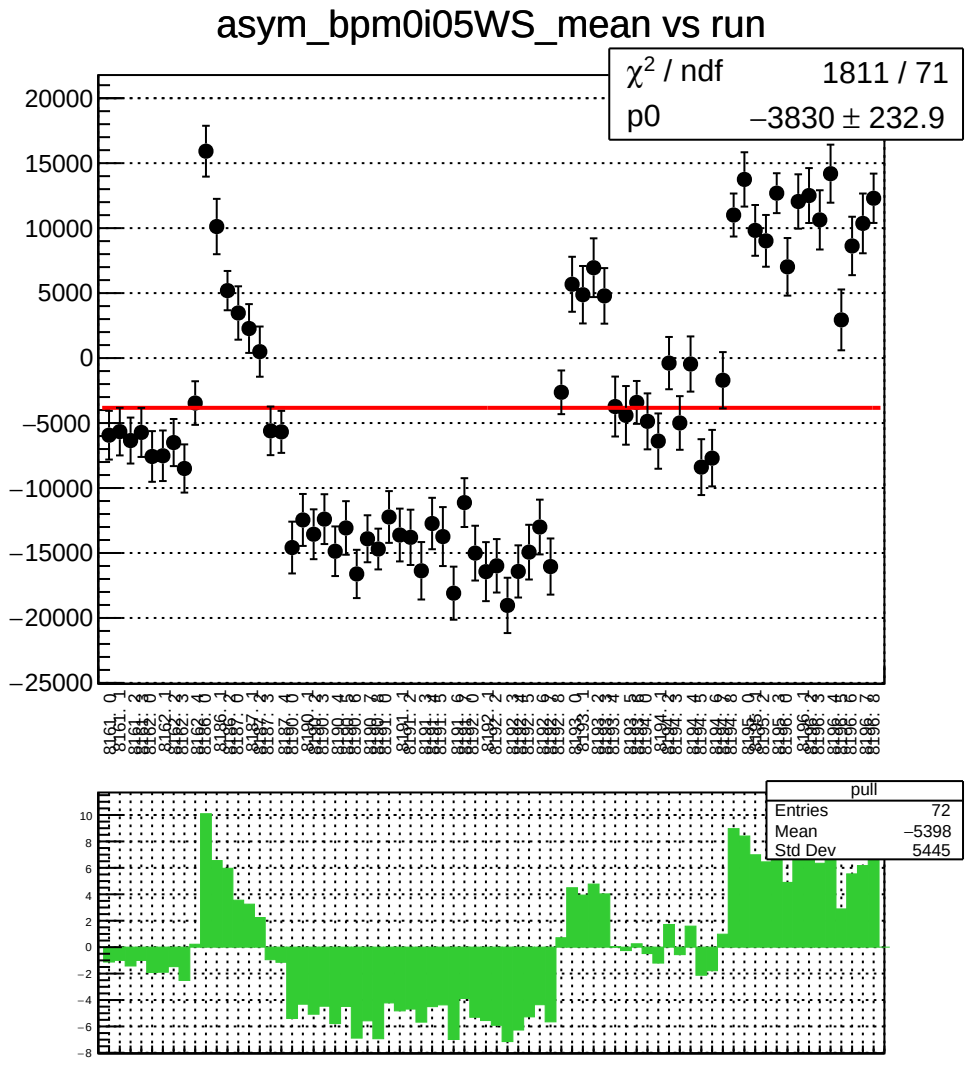

asym_bpm0i02WS_mean vs run
χ² / ndf 2705 / 71
p0 −1.32e+04 ± 229.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 72
Mean −293.2
Std Dev 345.4
15
10
5
0
−5
−10

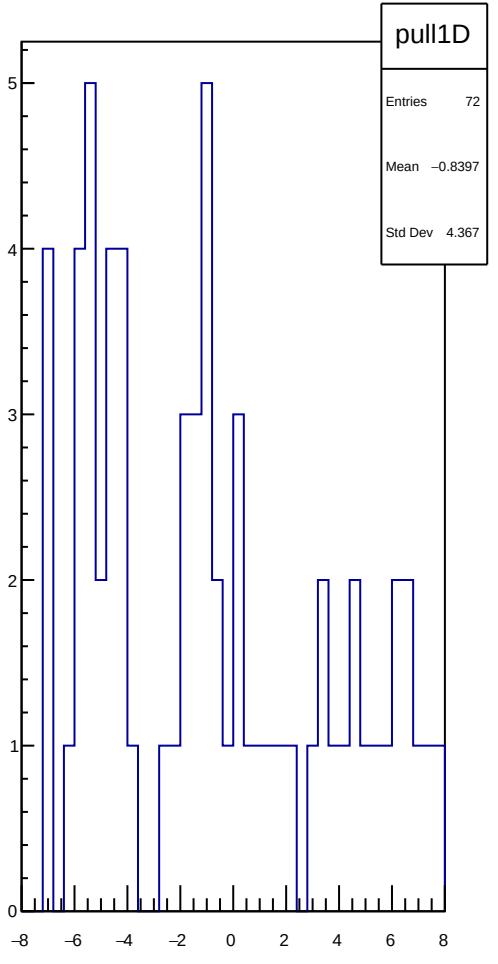

pull1D
Entries 72
Mean −0.5269
Std Dev 4.301
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

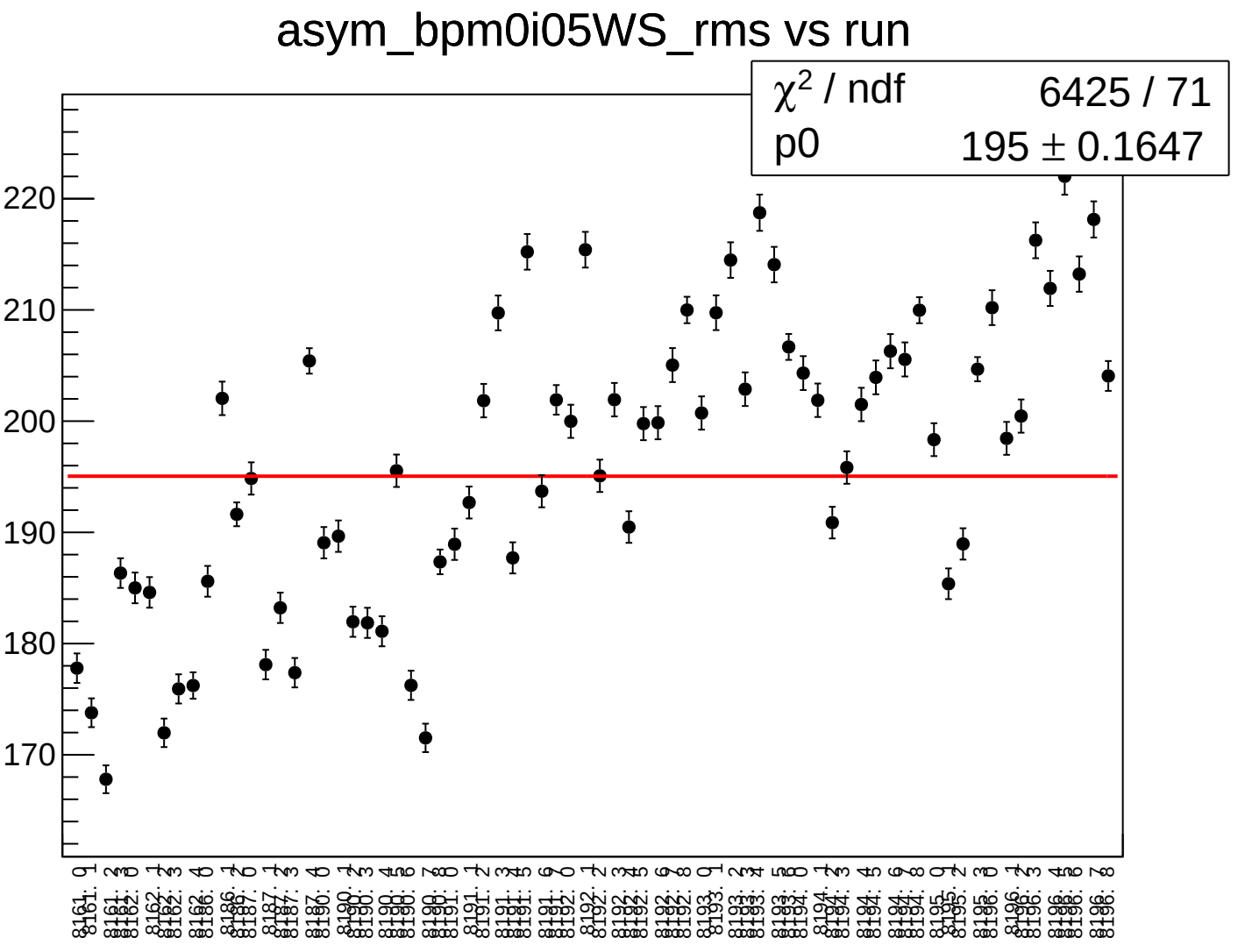

asym_bpm0i02WS_rms vs run
χ^2 / ndf 5771 / 71
p0 192.1 ± 0.1621
220
210
200
190
180
170

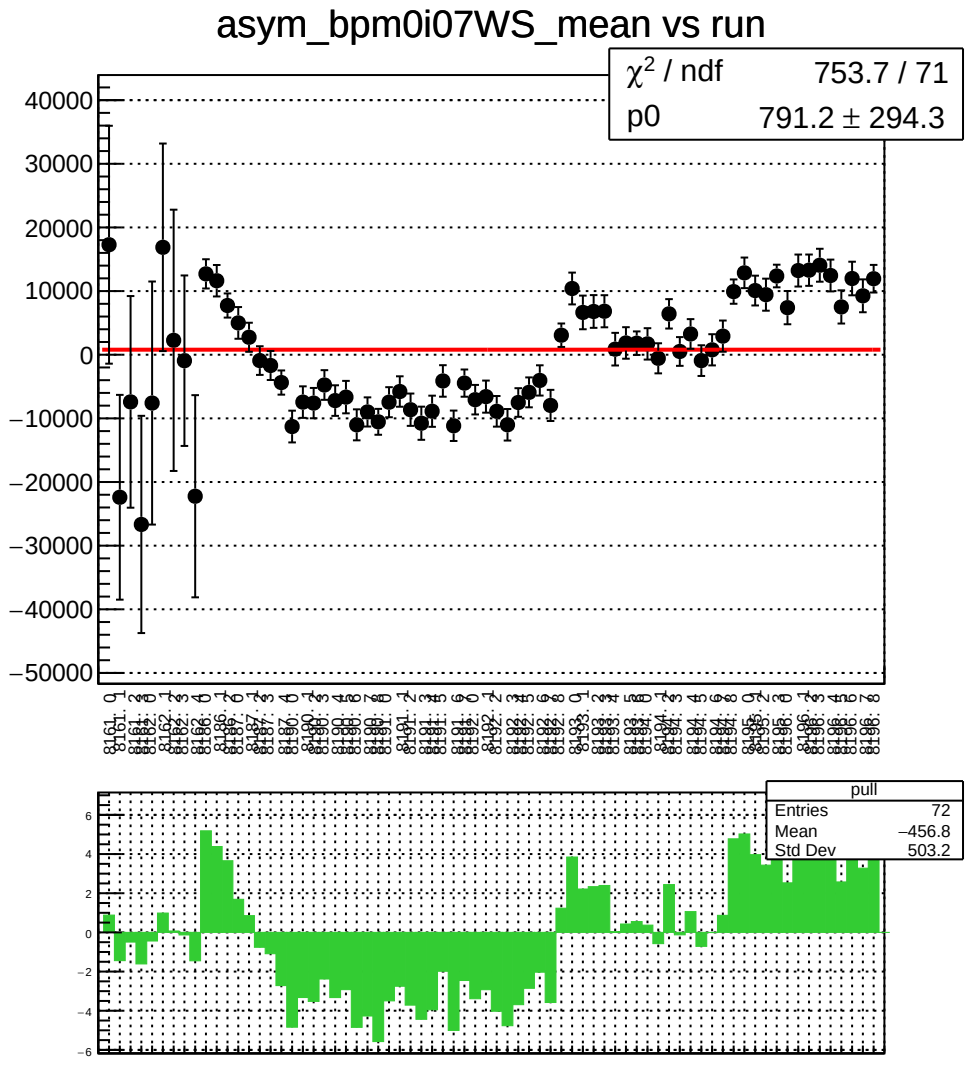

asym_bpm0i02aWS_mean vs run
χ² / ndf 2411 / 71
p0 −1.723e+04 ± 216.7
10000
0
−10000
−20000
−30000
−40000
pull
Entries 72
Mean −1431
Std Dev 1487
15
10
5
0
−5
−10
pull1D
Entries 72
Mean −0.6234
Std Dev 3.984
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

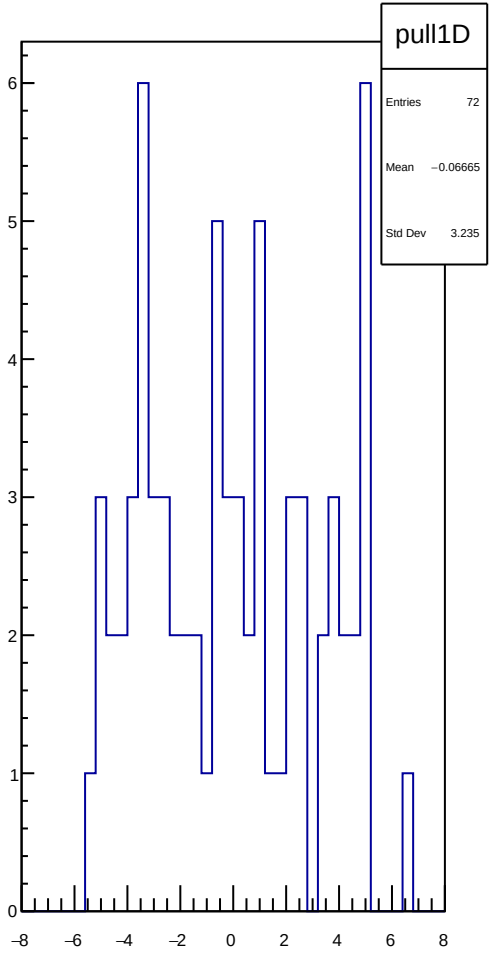

asym_bpm0i02aWS_rms vs run
χ^2 / ndf 3856 / 71
p0 181.6 ± 0.1532
200
190
180
170
160

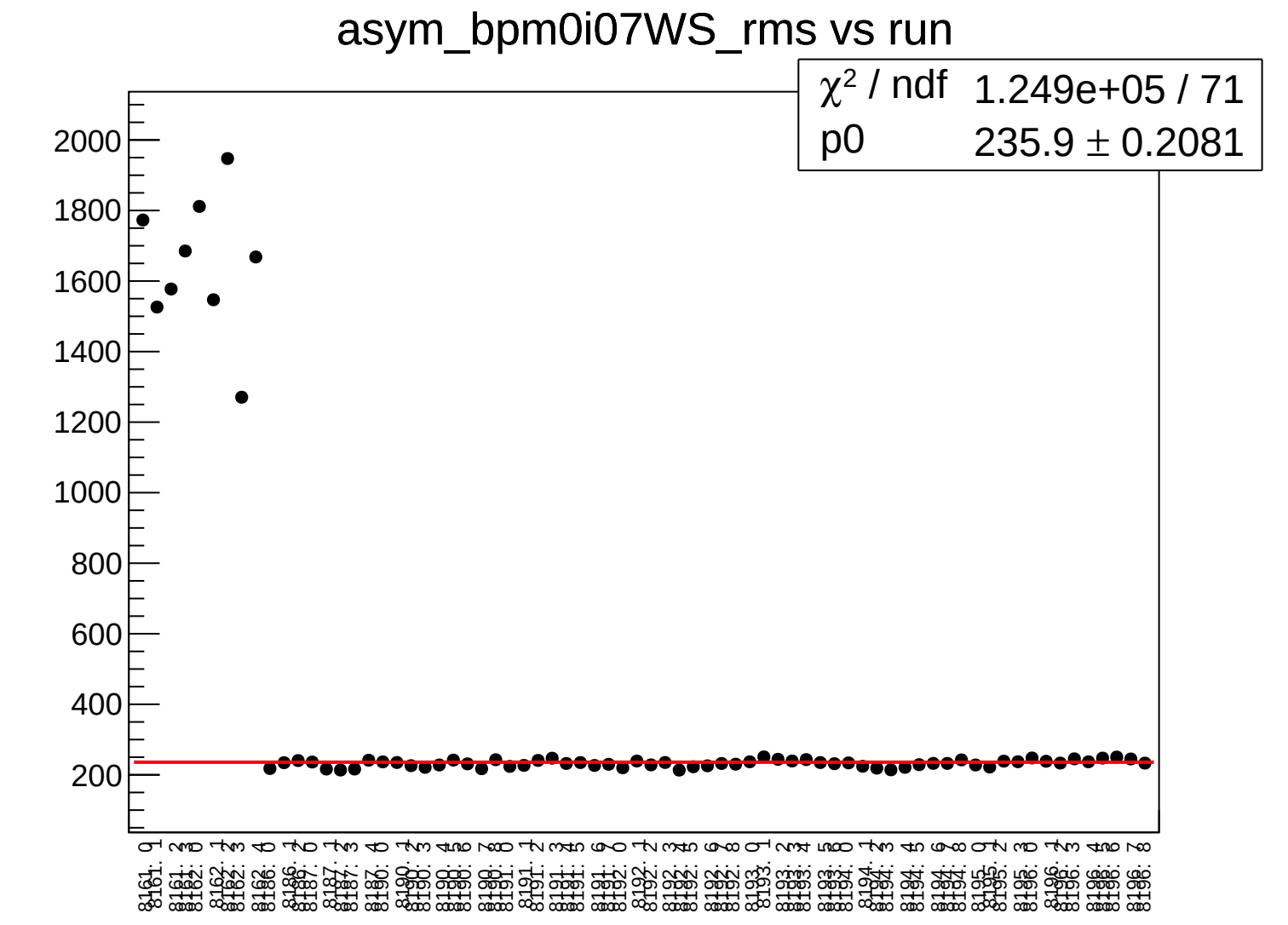

asym_bpm0i05WS_mean vs run
χ² / ndf 1811 / 71
p0 −3830 ± 232.9
pull
Entries 72
Mean −5398
Std Dev 5445

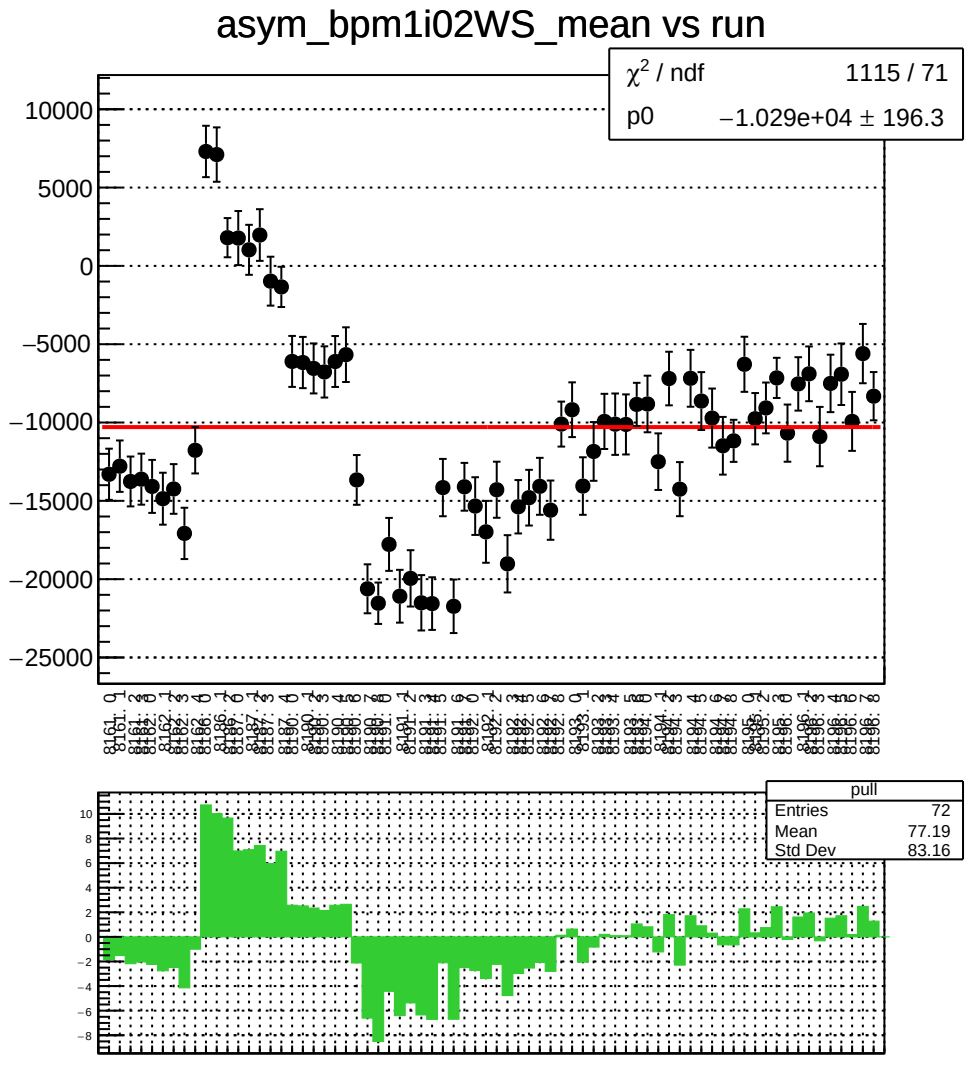

pull1D
Entries 72
Mean −0.8397
Std Dev 4.367

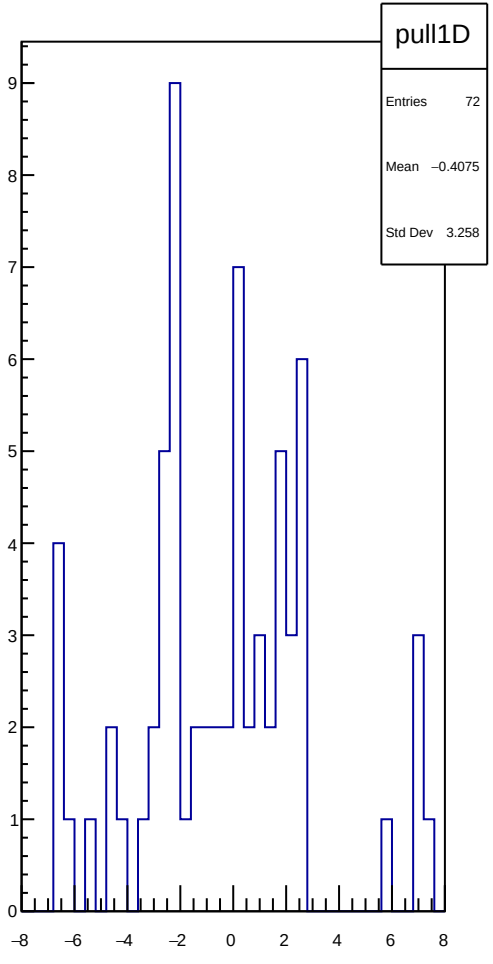

asym_bpm0i05WS_rms vs run
χ² / ndf 6425 / 71
p0 195 ± 0.1647
220
210
200
190
180
170

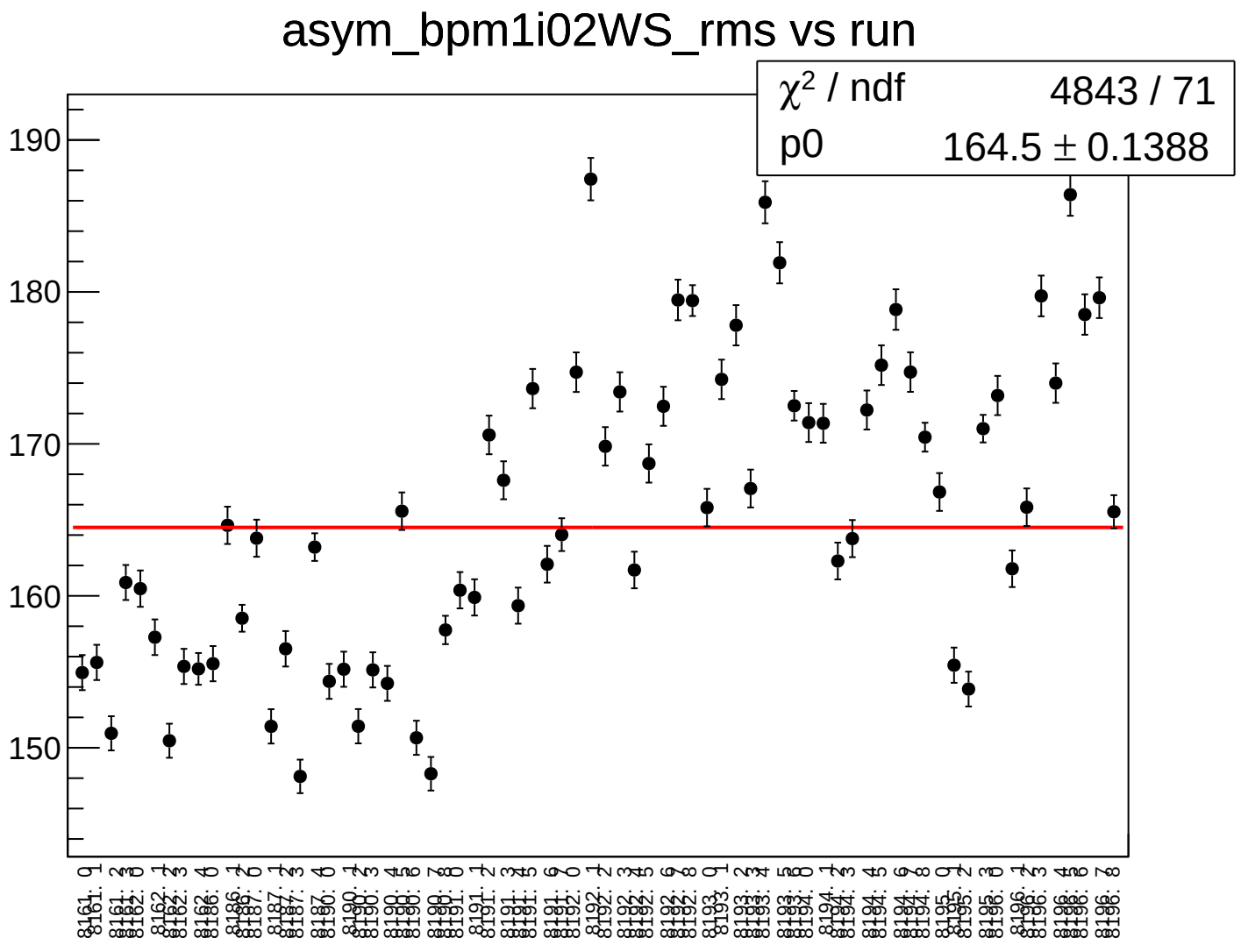

asym_bpm0i07WS_mean vs run
χ² / ndf 753.7 / 71
p0 791.2 ± 294.3
pull
Entries 72
Mean −456.8
Std Dev 503.2

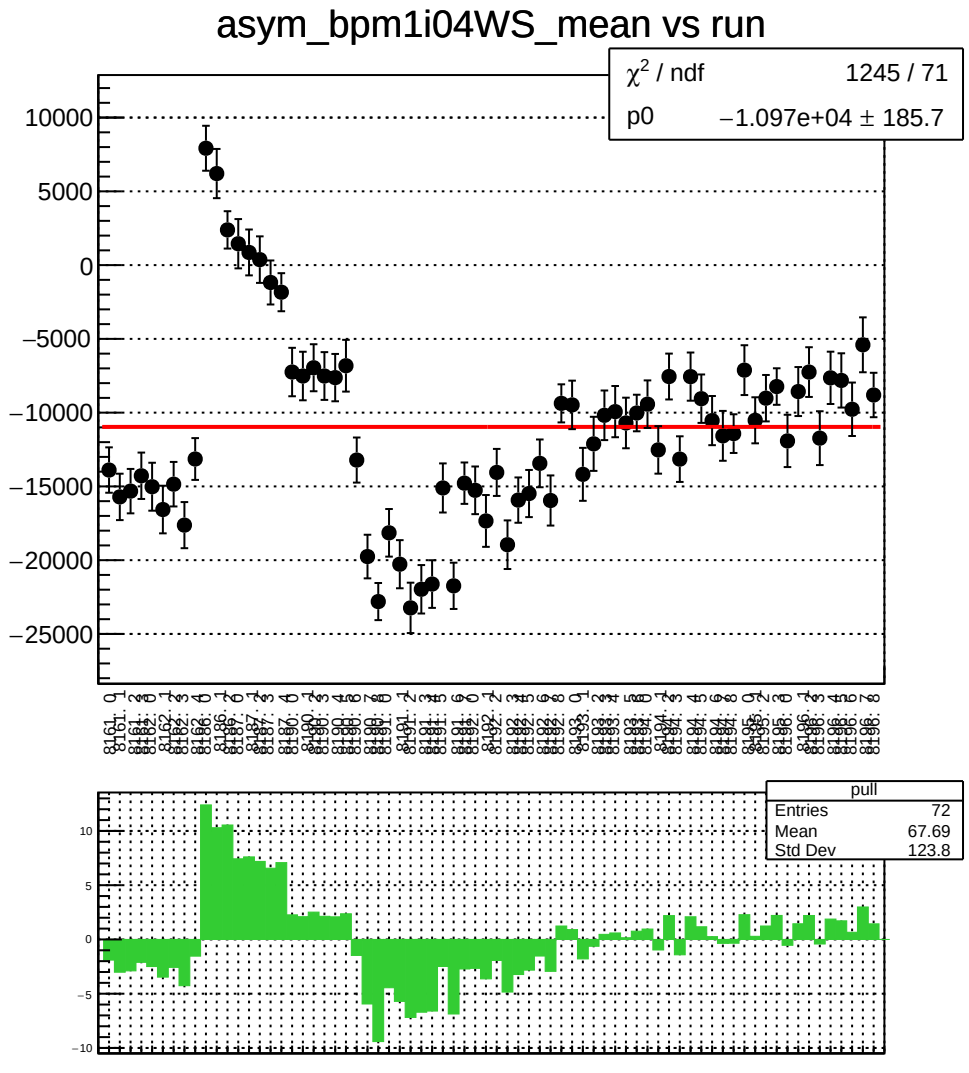

pull1D
Entries 72
Mean −0.06665
Std Dev 3.235

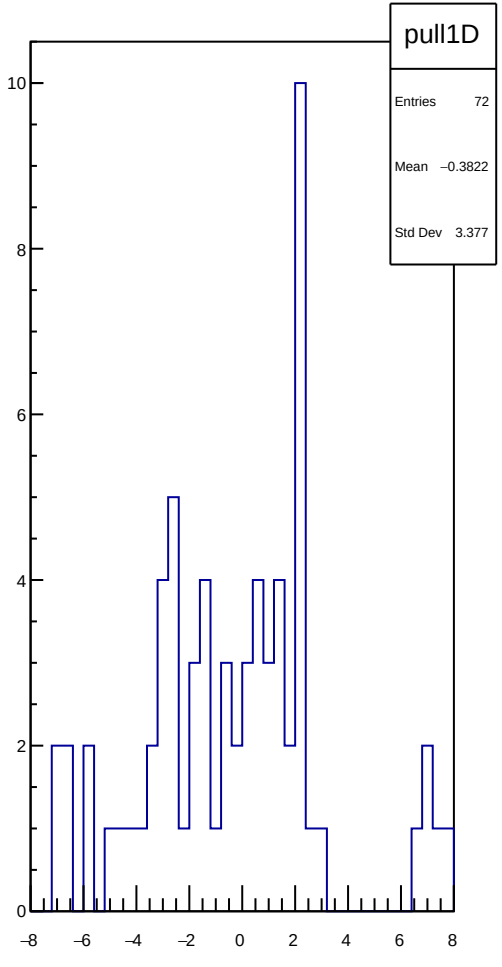

asym_bpm0i07WS_rms vs run
χ² / ndf 1.249e+05 / 71
p0 235.9 ± 0.2081
2000
1800
1600
1400
1200
1000
800
600
400
200

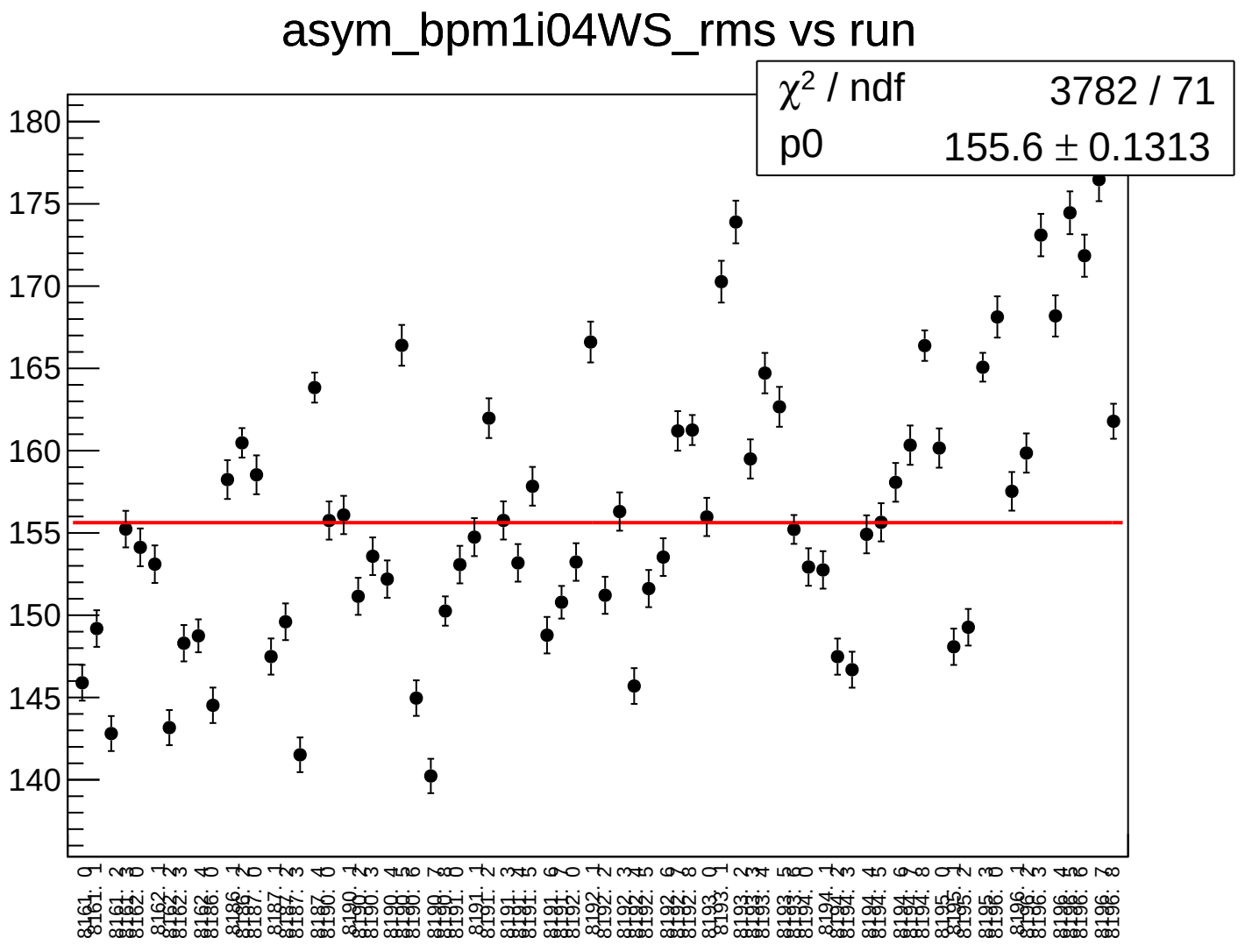

asym_bpm1i02WS_mean vs run
χ² / ndf 1115 / 71
p0 −1.029e+04 ± 196.3
pull
Entries 72
Mean 77.19
Std Dev 83.16

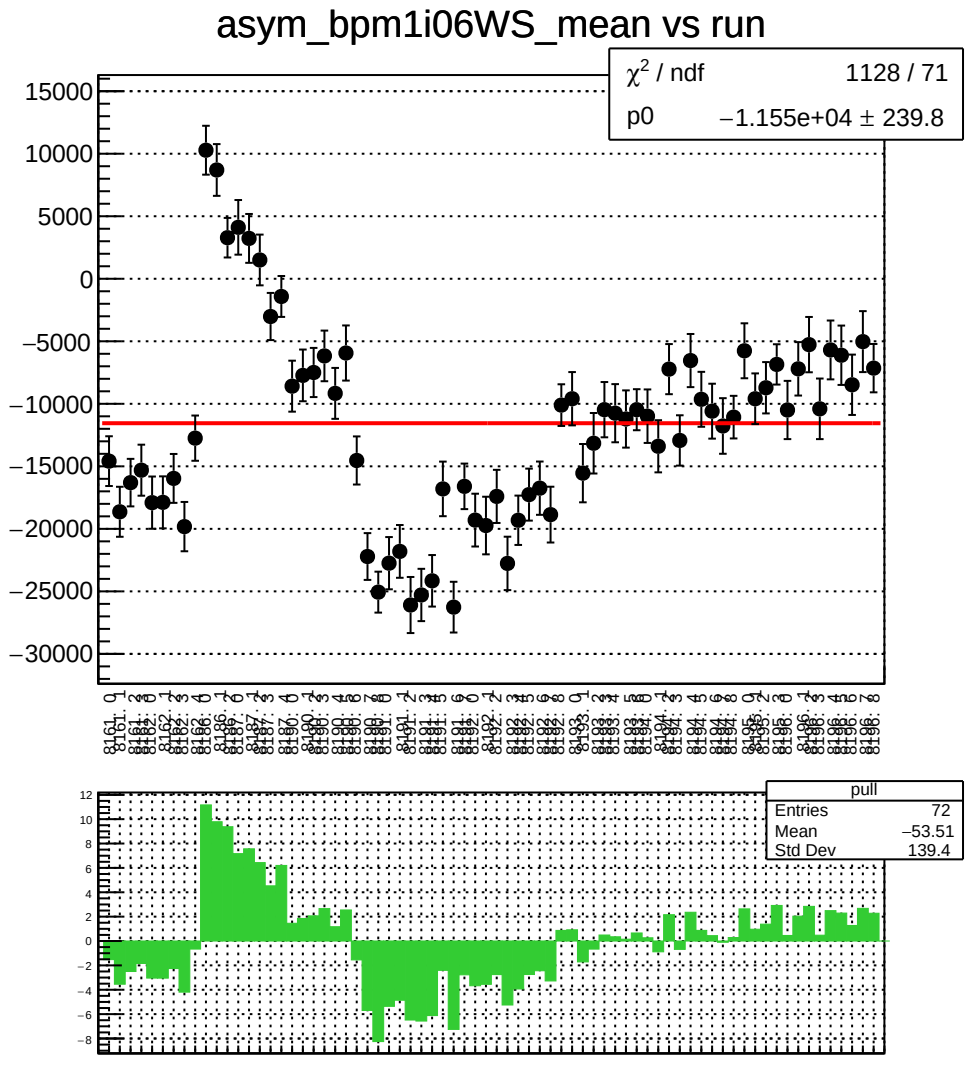

pull1D
Entries 72
Mean −0.4075
Std Dev 3.258

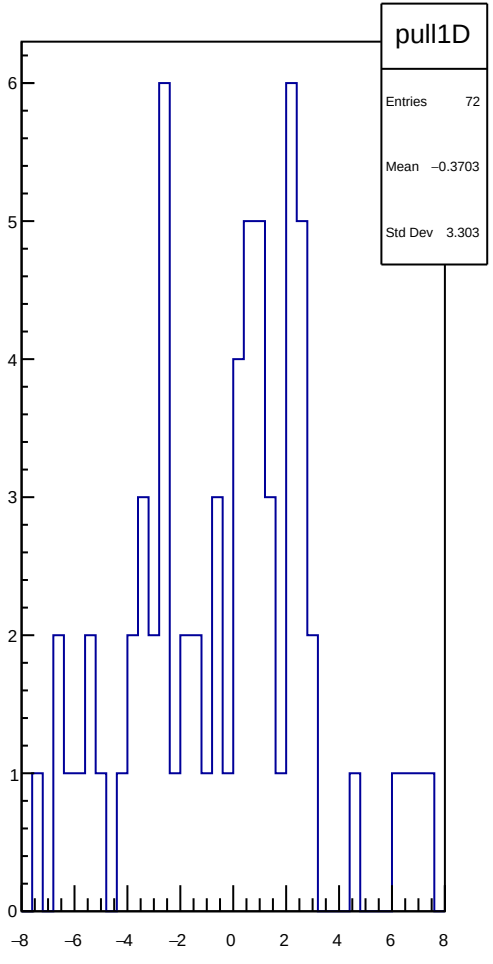

asym_bpm1i02WS_rms vs run
χ² / ndf 4843 / 71
p0 164.5 ± 0.1388
190
180
170
160
150

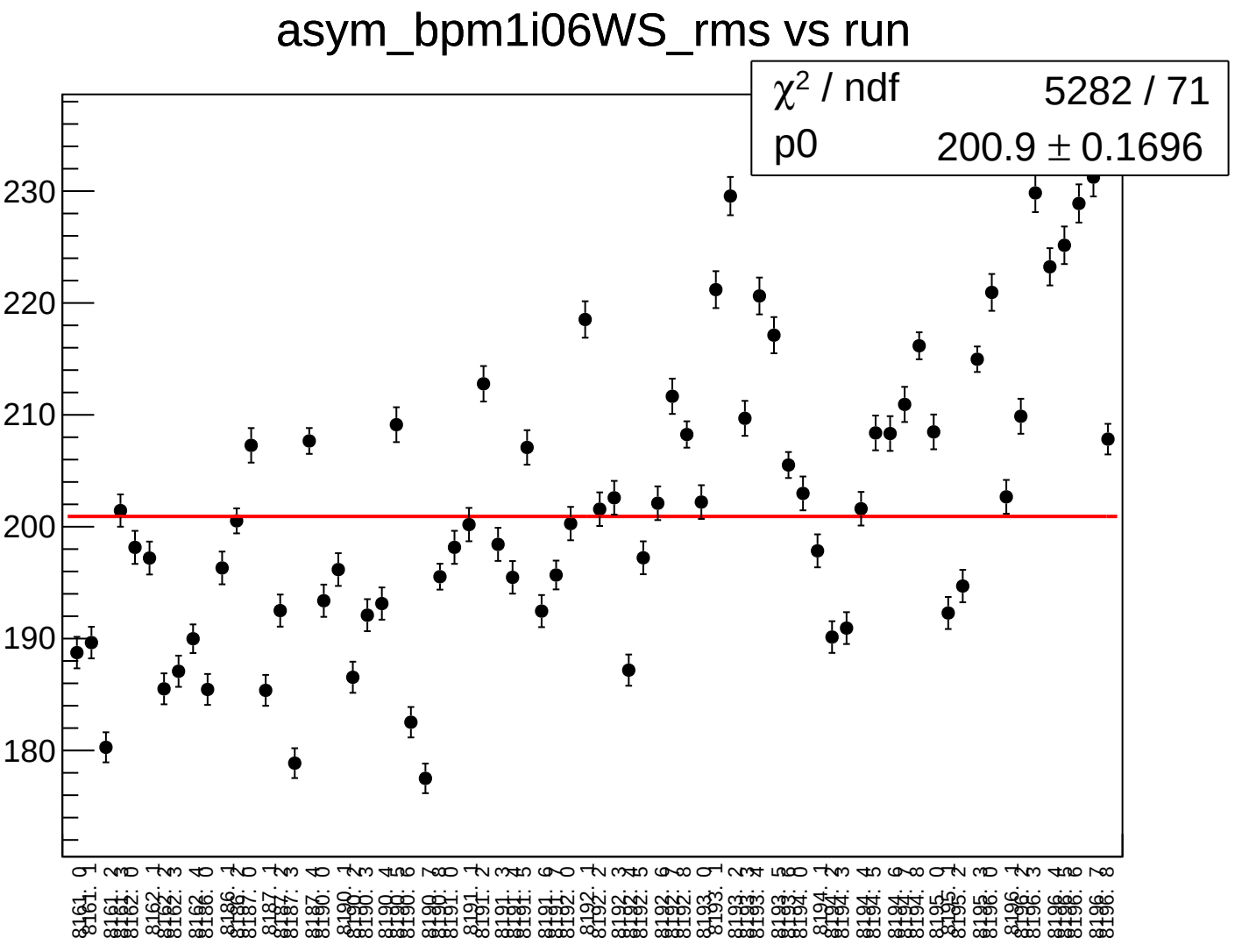

asym_bpm1i04WS_mean vs run
χ² / ndf 1245 / 71
p0 −1.097e+04 ± 185.7
pull
Entries 72
Mean 67.69
Std Dev 123.8

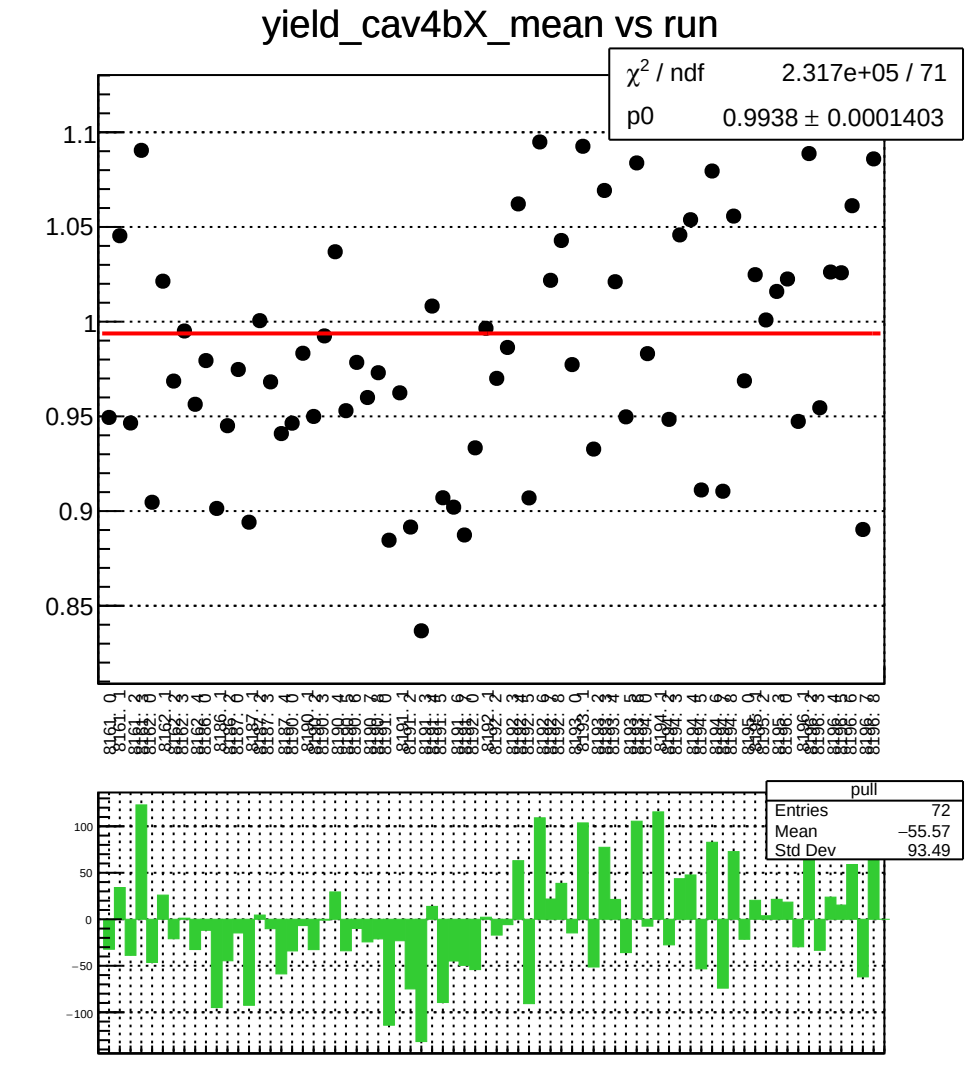

pull1D
Entries 72
Mean −0.3822
Std Dev 3.377

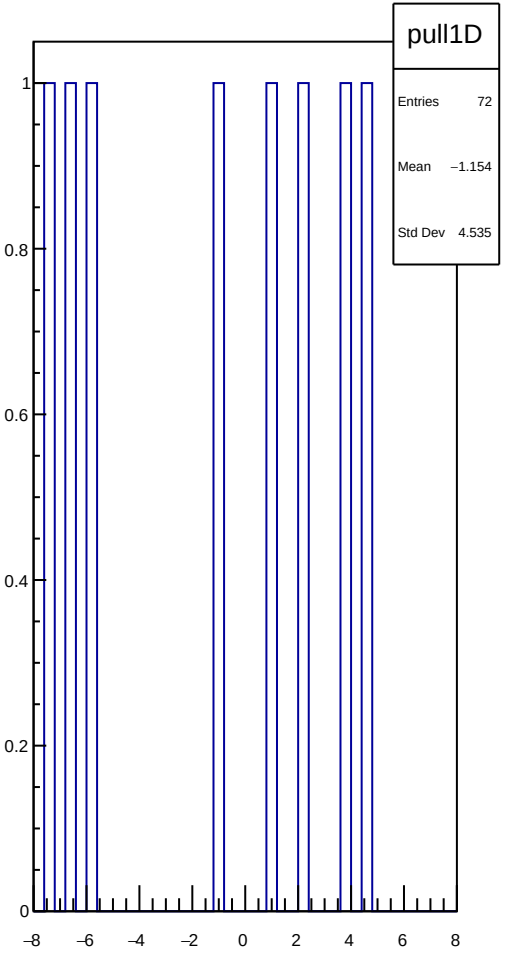

asym_bpm1i04WS_rms vs run
χ² / ndf 3782 / 71
p0 155.6 ± 0.1313
180
175
170
165
160
155
150
145
140

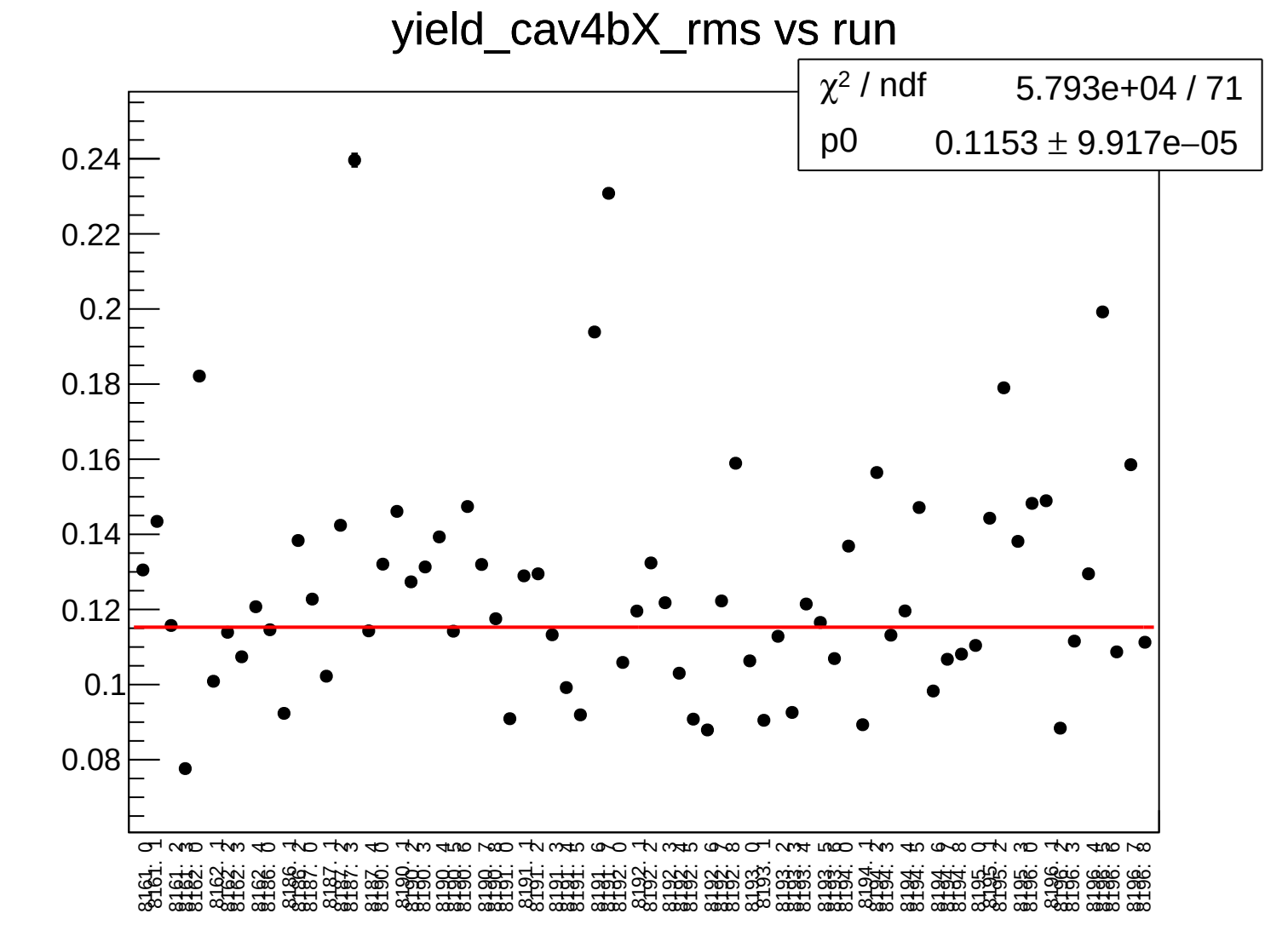

asym_bpm1i06WS_mean vs run
χ² / ndf 1128 / 71
p0 −1.155e+04 ± 239.8
pull
Entries 72
Mean −53.51
Std Dev 139.4

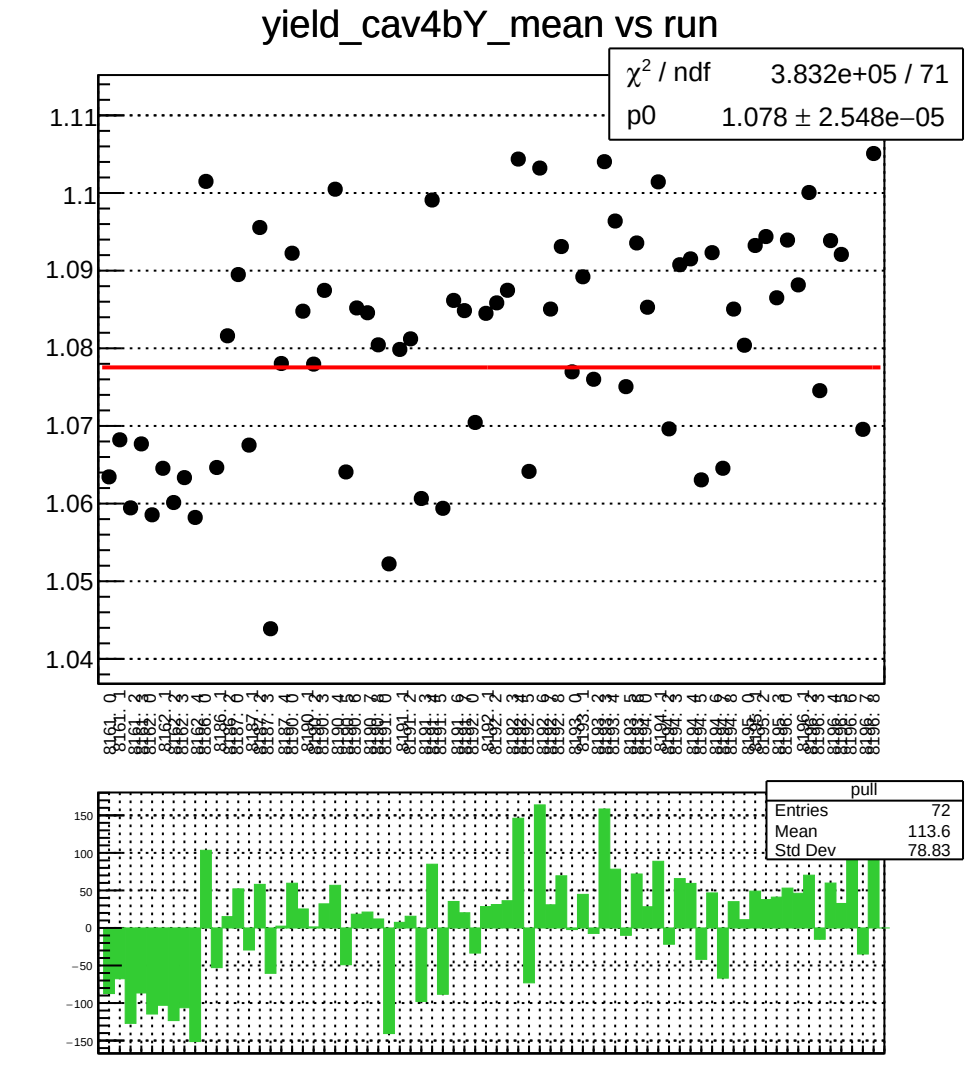

pull1D
Entries 72
Mean −0.3703
Std Dev 3.303

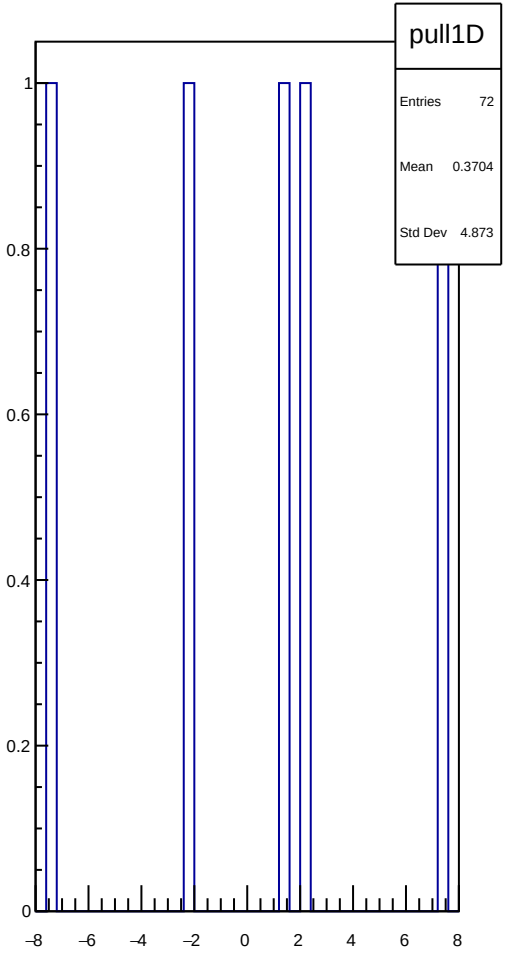

asym_bpm1i06WS_rms vs run
χ^2 / ndf 5282 / 71
p0 200.9 ± 0.1696
230
220
210
200
190
180

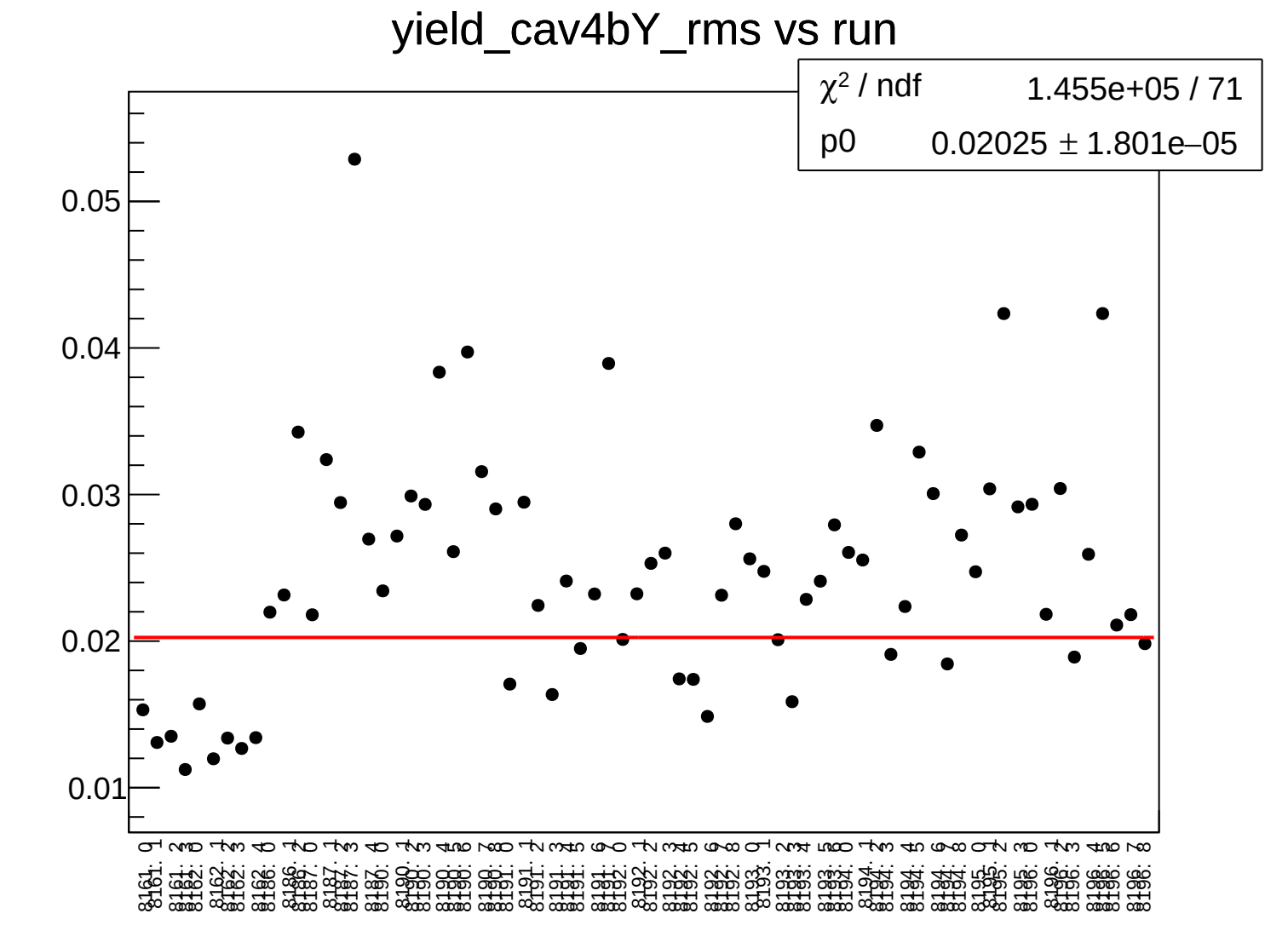

yield_cav4bX_mean vs run
χ² / ndf 2.317e+05 / 71
p0 0.9938 ± 0.0001403
1.1
1.05
1
0.95
0.9
0.85
pull
Entries 72
Mean −55.57
Std Dev 93.49
100
50
0
−50
−100

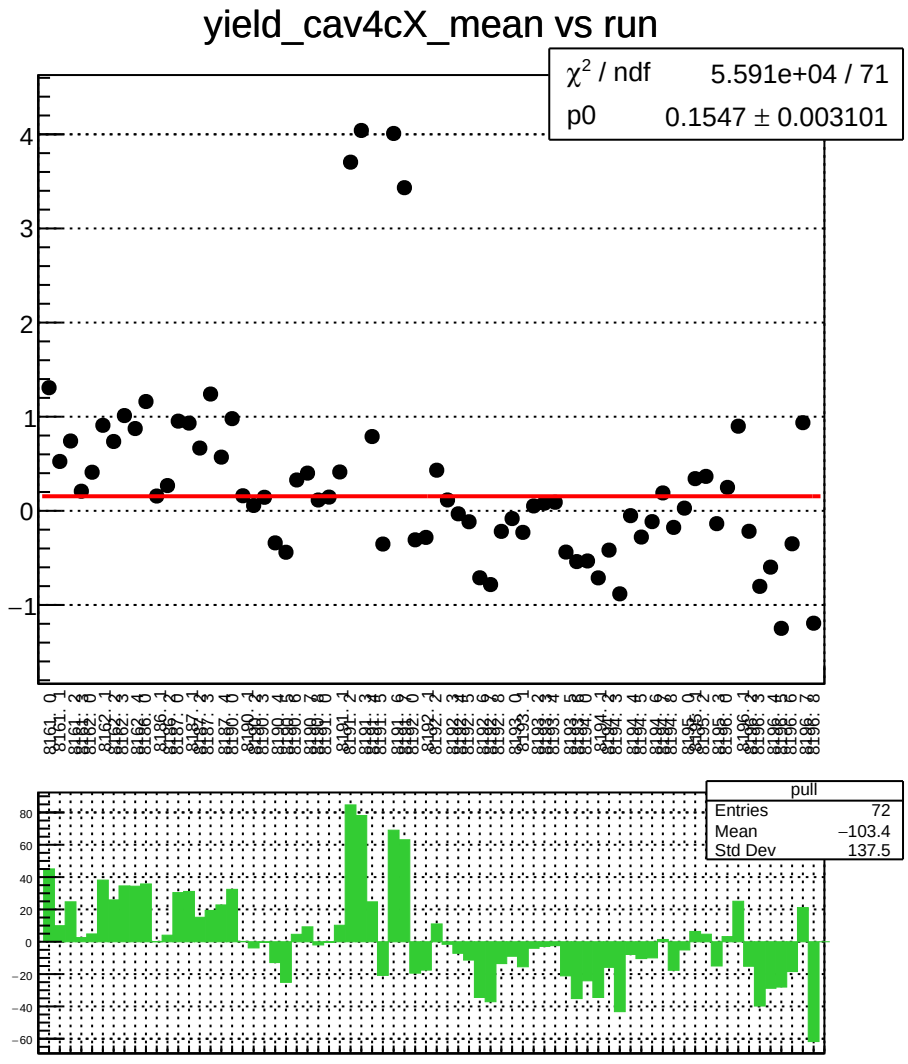

pull1D
Entries 72
Mean −1.154
Std Dev 4.535
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

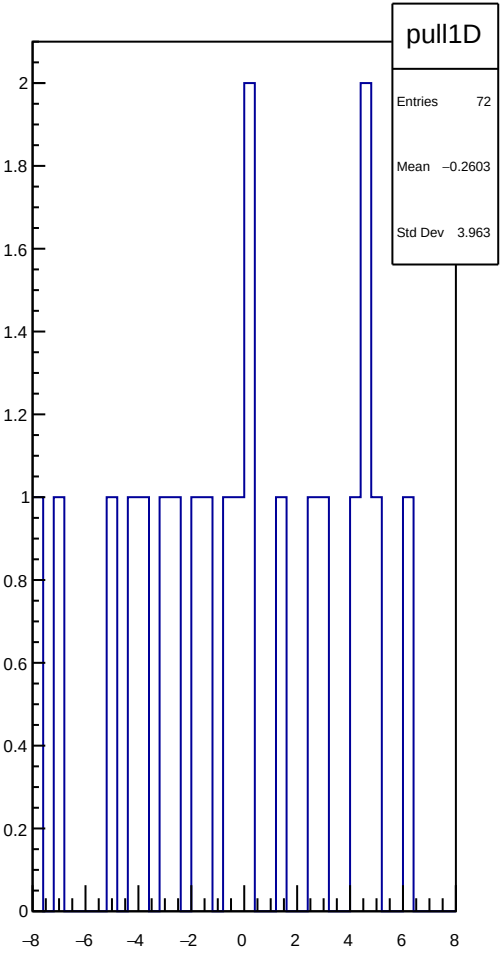

yield_cav4bX_rms vs run
χ² / ndf 5.793e+04 / 71
p0 0.1153 ± 9.917e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08

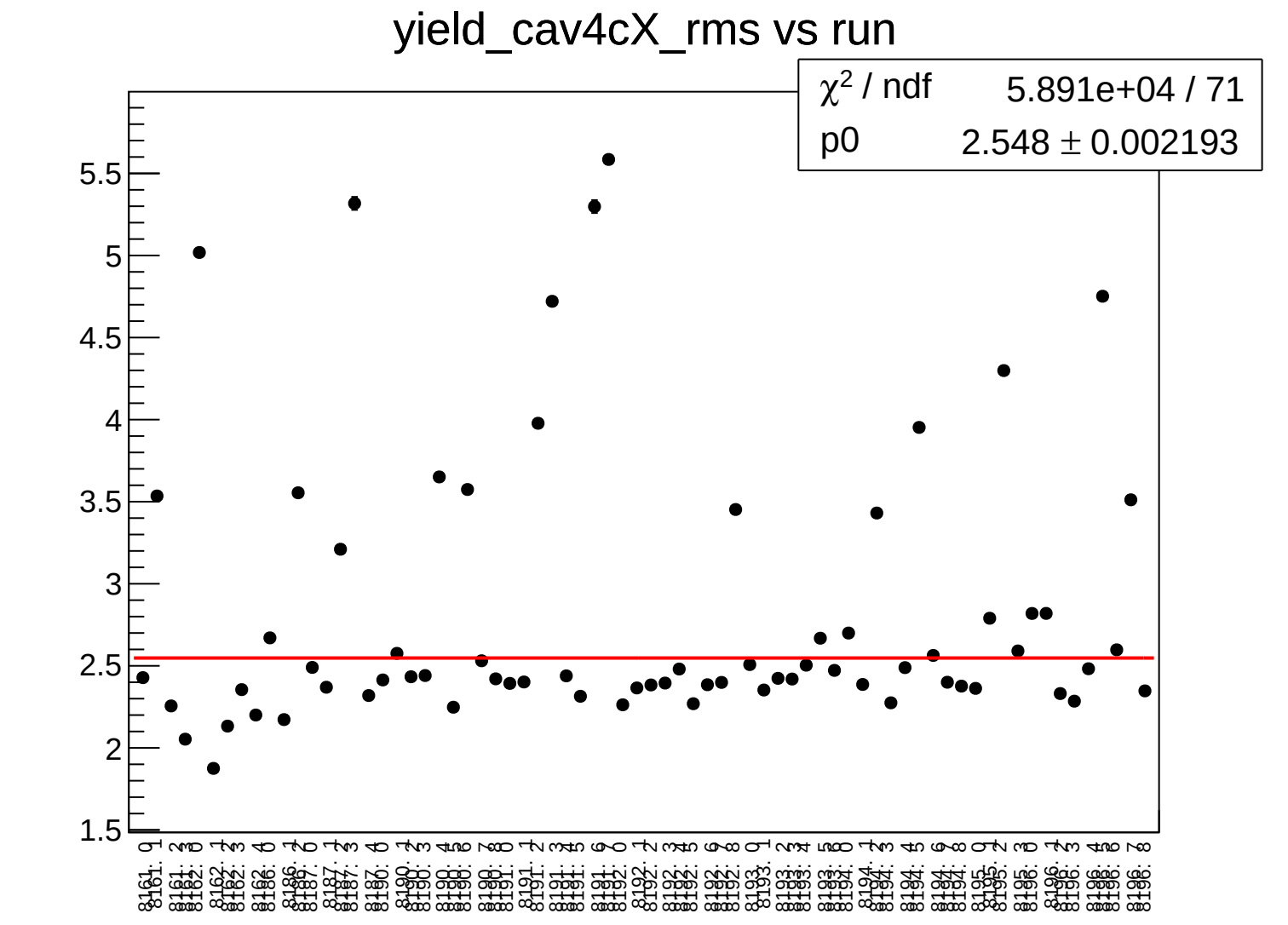

yield_cav4bY_mean vs run
χ^2 / ndf 3.832e+05 / 71
p0 1.078 ± 2.548e−05
1.11
1.1
1.09
1.08
1.07
1.06
1.05
1.04
pull
Entries 72
Mean 113.6
Std Dev 78.83
150
100
50
0
−50
−100
−150

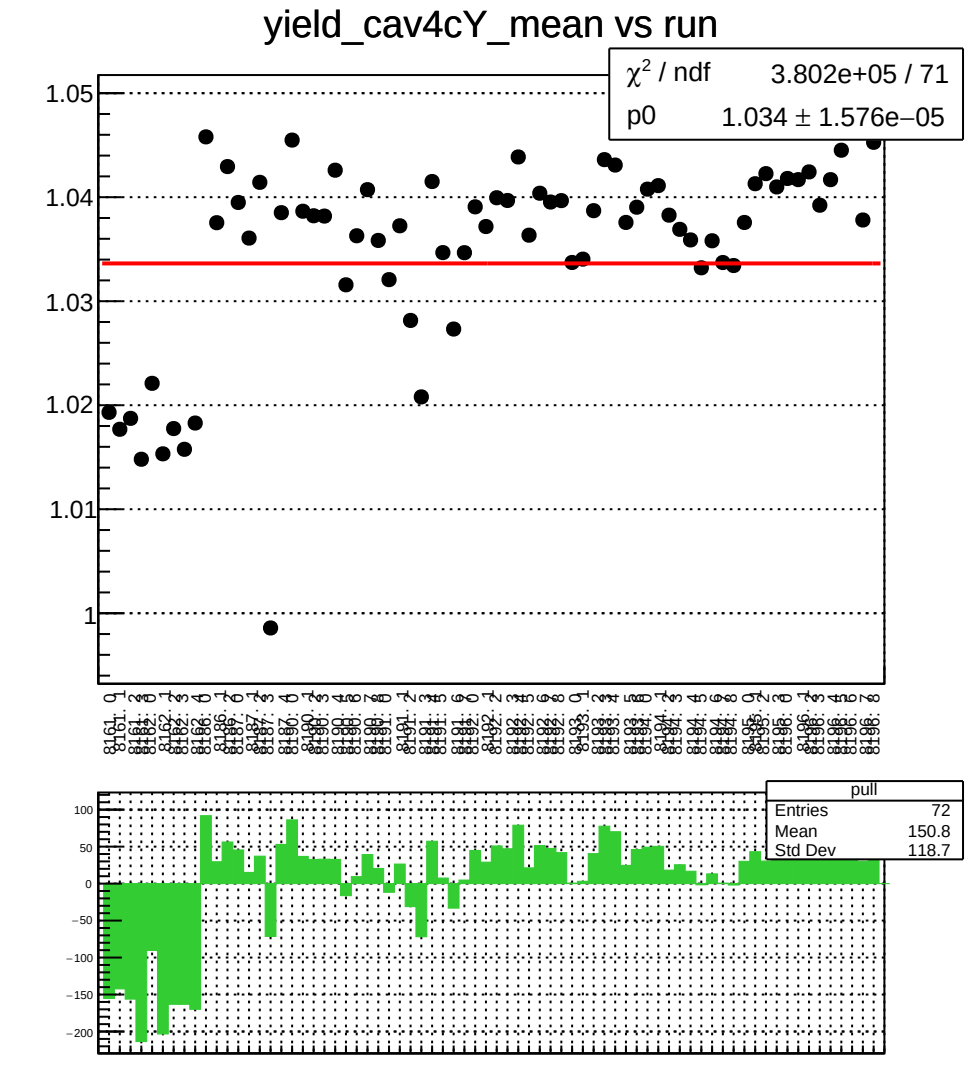

pull1D
Entries 72
Mean 0.3704
Std Dev 4.873
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

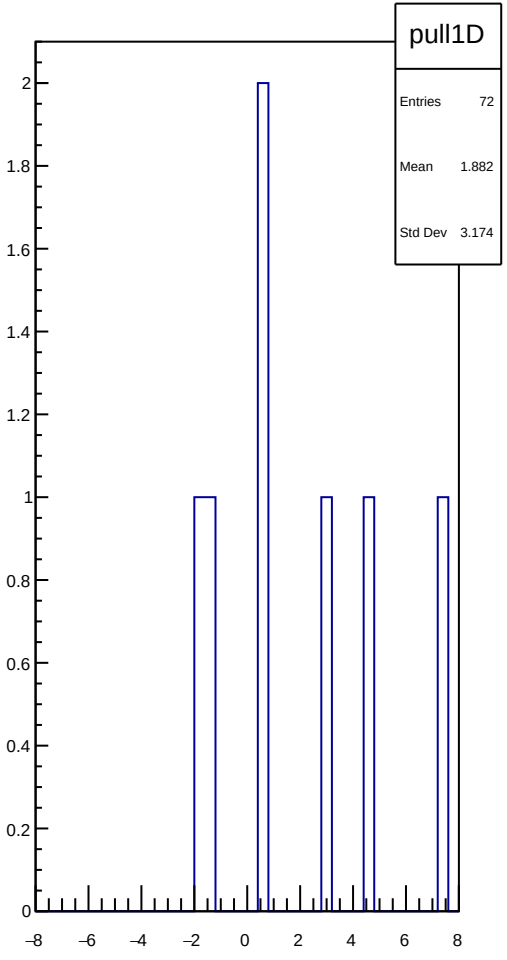

yield_cav4bY_rms vs run
χ² / ndf 1.455e+05 / 71
p0 0.02025 ± 1.801e−05
0.05
0.04
0.03
0.02
0.01

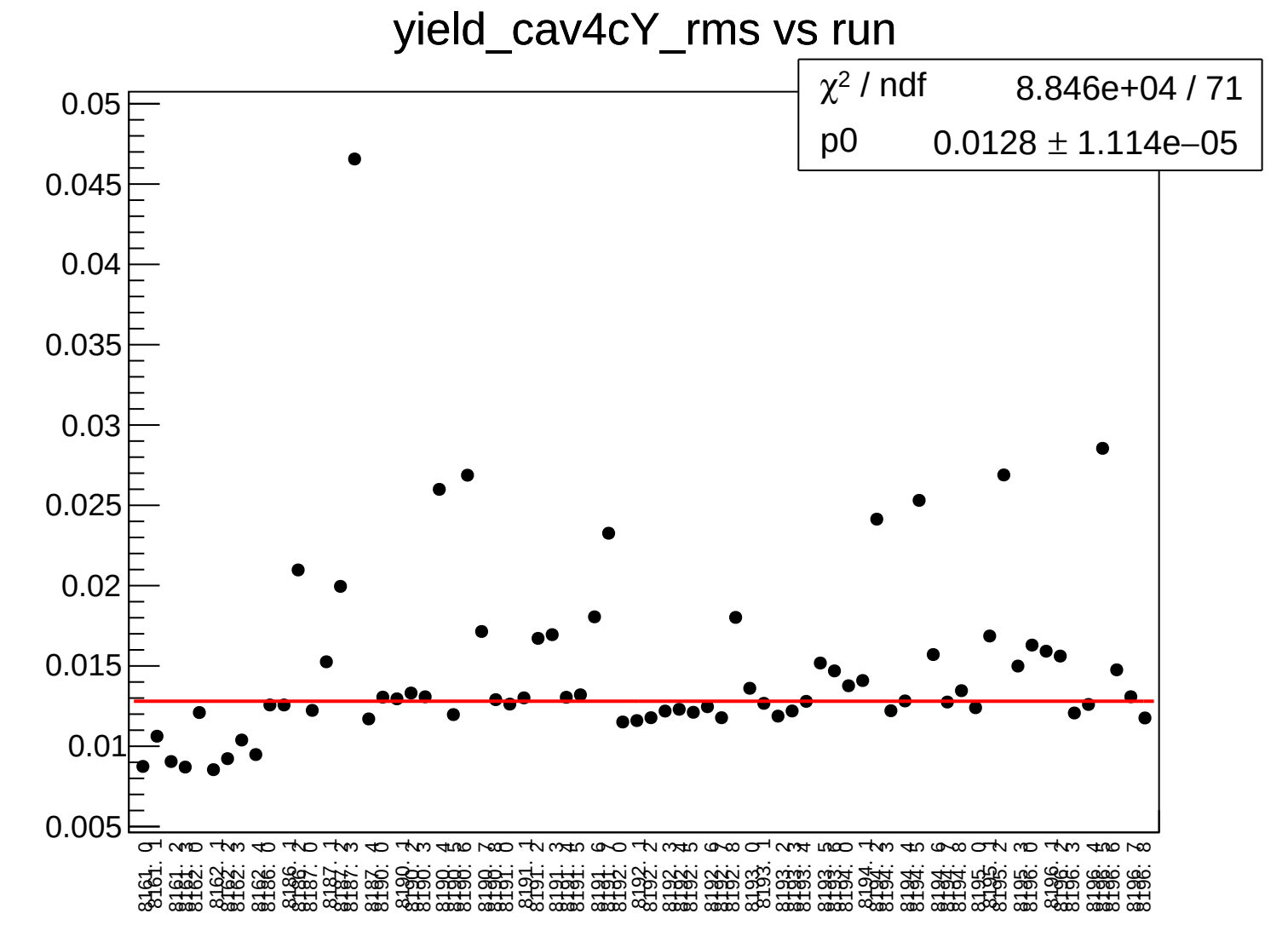

yield_cav4cX_mean vs run
χ² / ndf 5.591e+04 / 71
p0 0.1547 ± 0.003101
pull
Entries 72
Mean −103.4
Std Dev 137.5

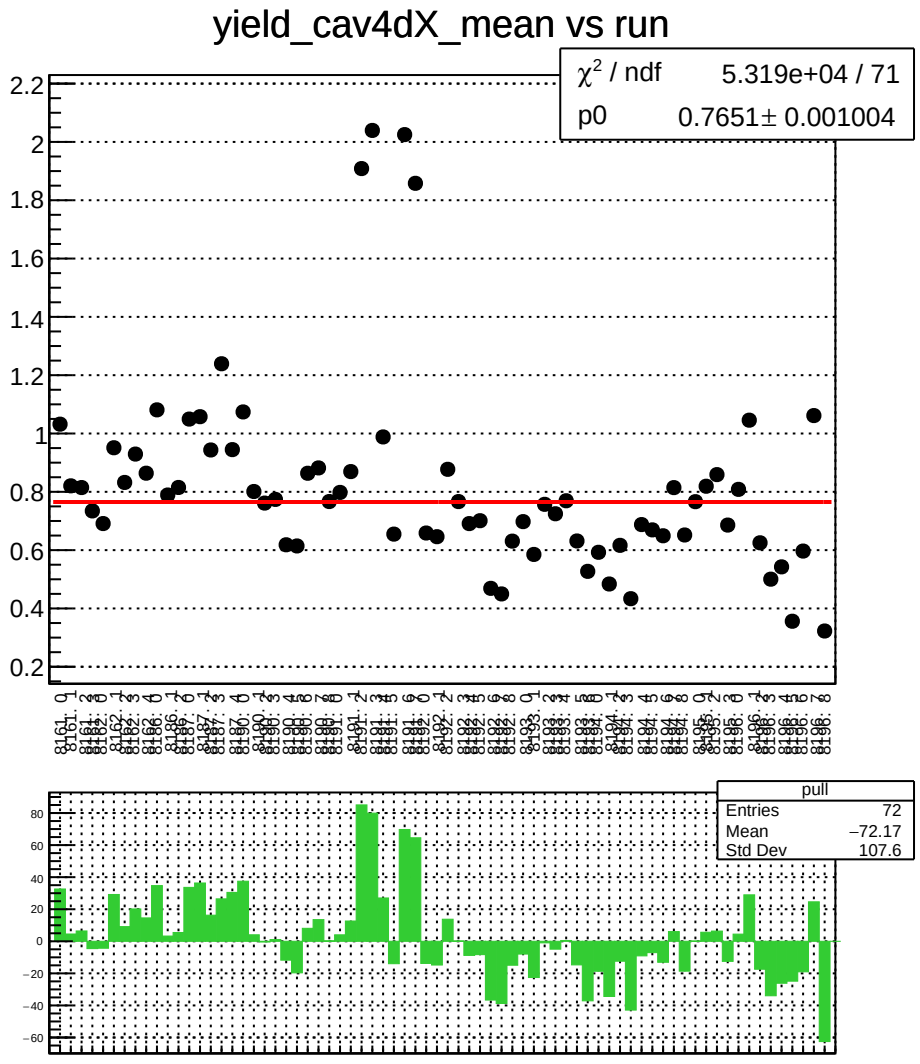

pull1D
Entries 72
Mean −0.2603
Std Dev 3.963

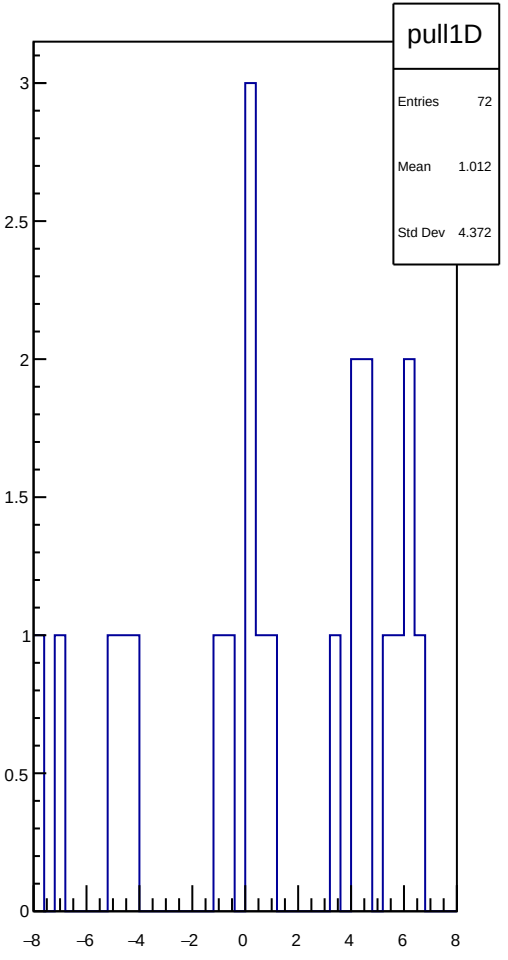

yield_cav4cX_rms vs run
χ^2 / ndf 5.891e+04 / 71
p0 2.548 ± 0.002193
5.5
5
4.5
4
3.5
3
2.5
2
1.5

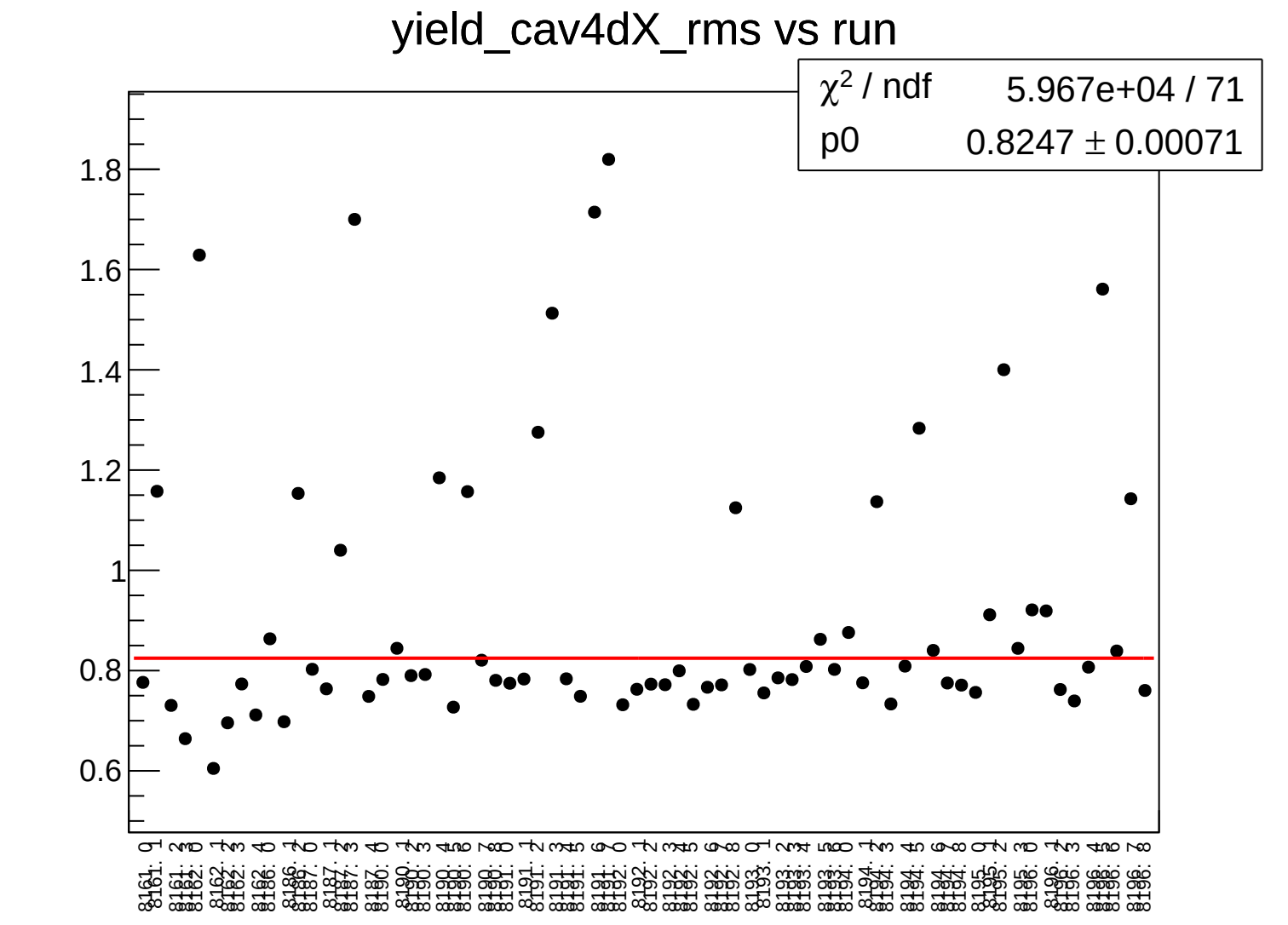

yield_cav4cY_mean vs run
χ² / ndf 3.802e+05 / 71
p0 1.034 ± 1.576e−05
pull
Entries 72
Mean 150.8
Std Dev 118.7

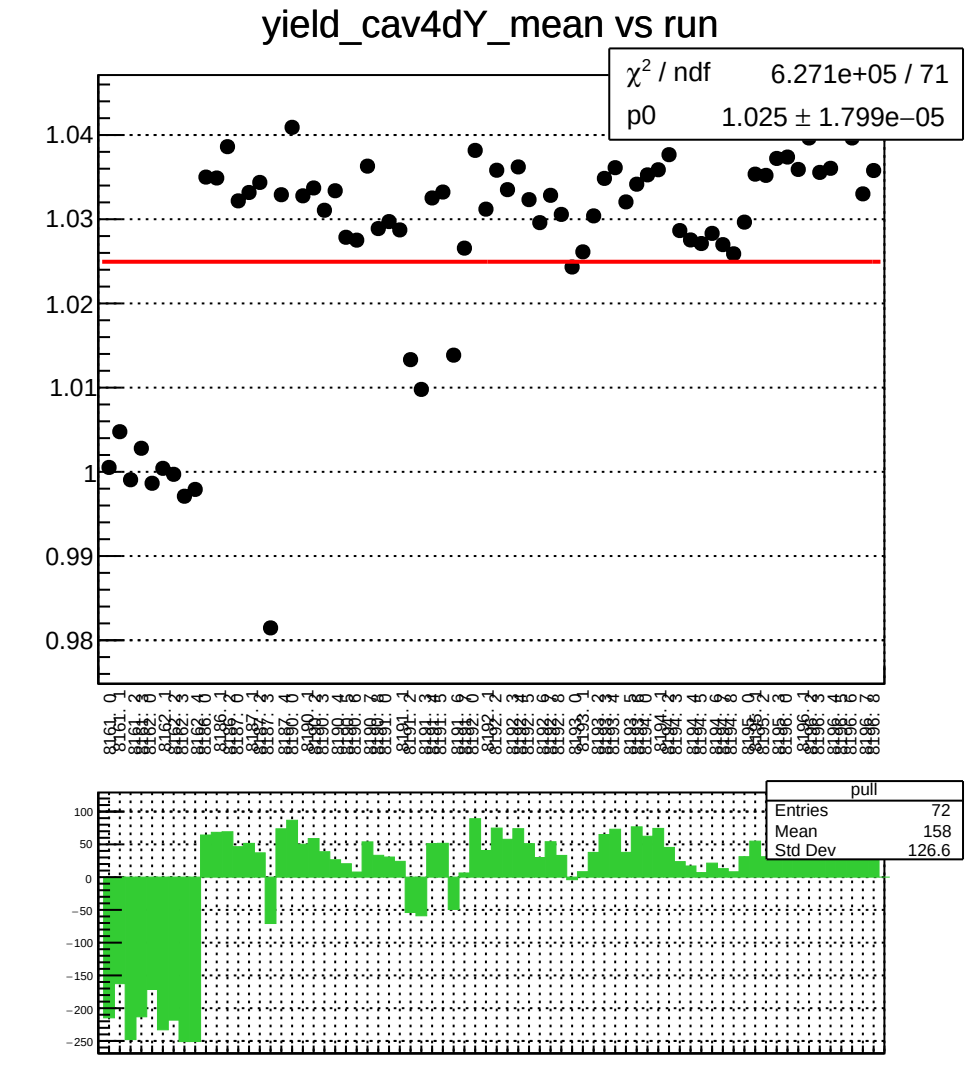

pull1D
Entries 72
Mean 1.882
Std Dev 3.174

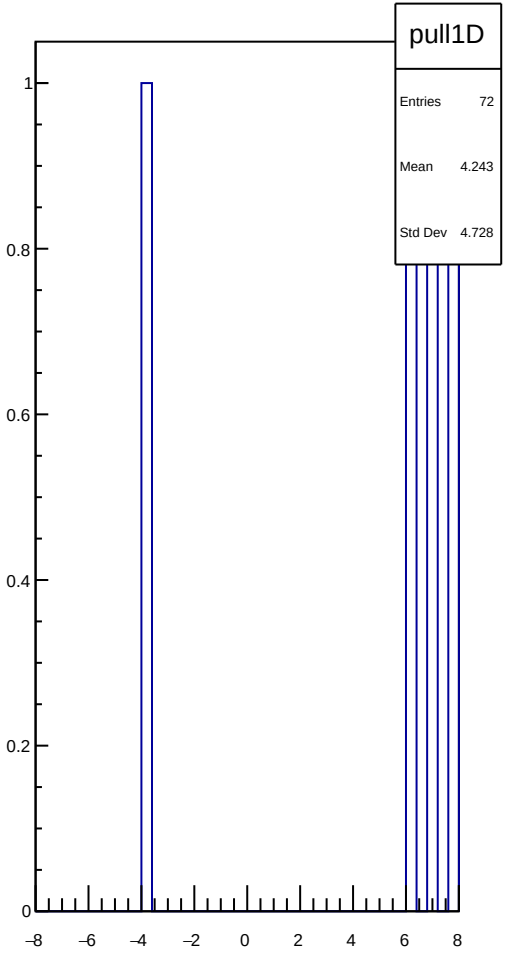

yield_cav4cY_rms vs run
χ² / ndf 8.846e+04 / 71
p0 0.0128 ± 1.114e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

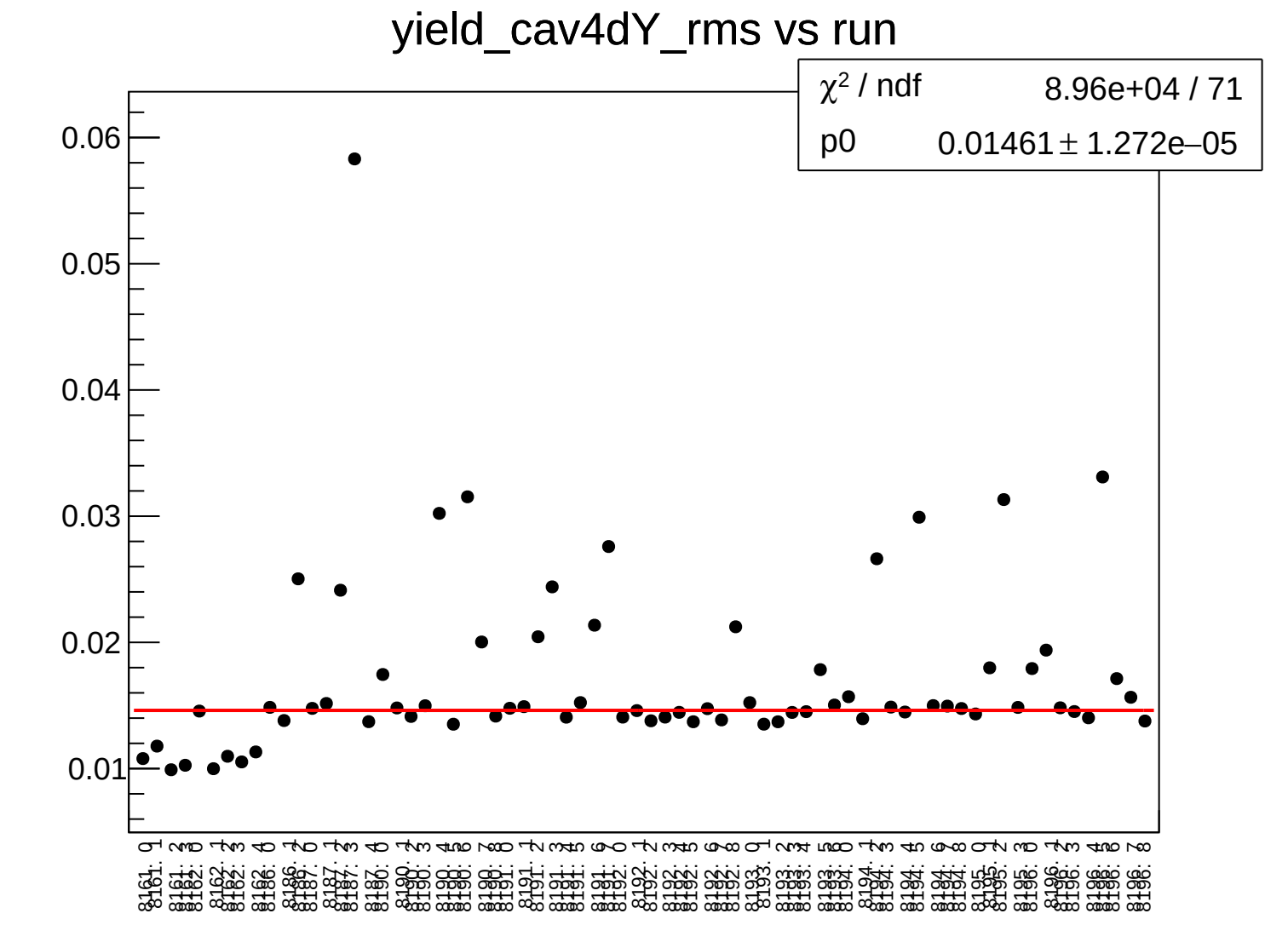

yield_cav4dX_mean vs run
χ² / ndf 5.319e+04 / 71
p0 0.7651± 0.001004
pull
Entries 72
Mean −72.17
Std Dev 107.6

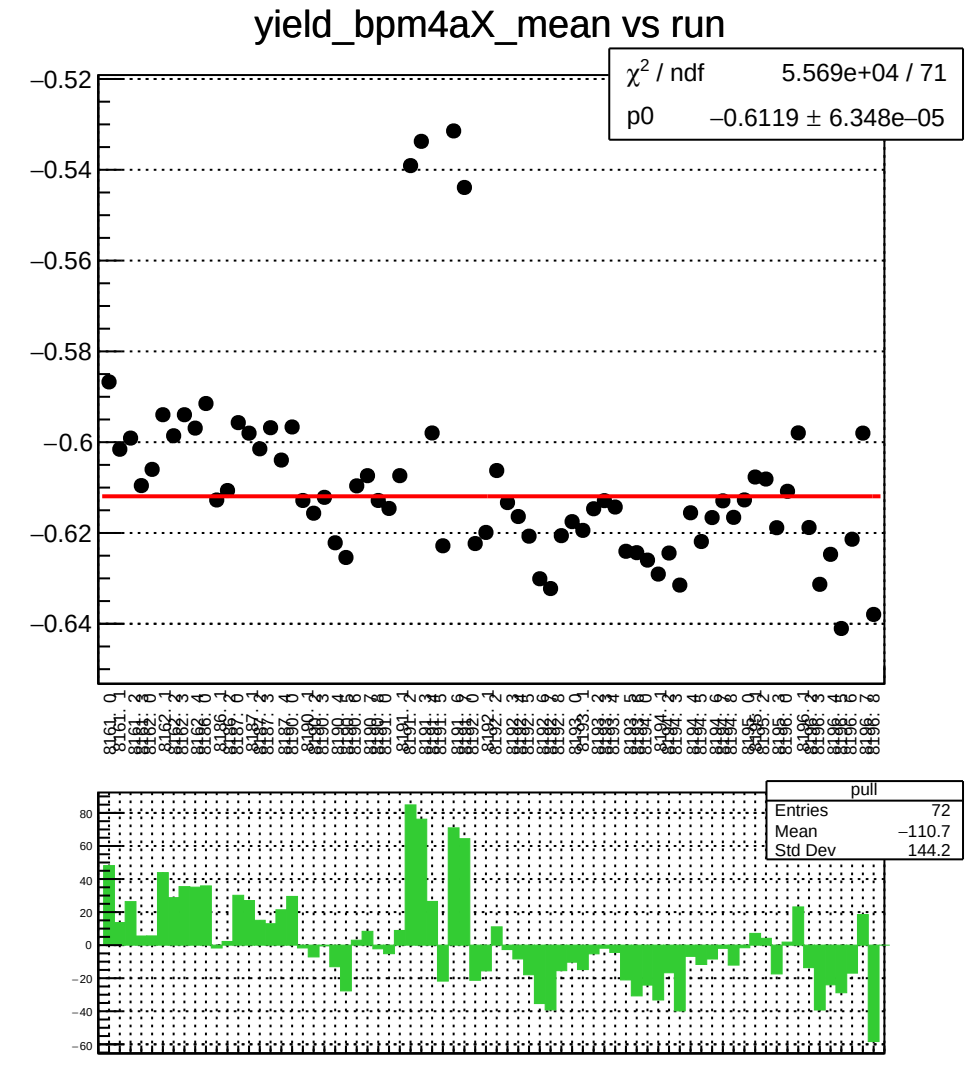

pull1D
Entries 72
Mean 1.012
Std Dev 4.372

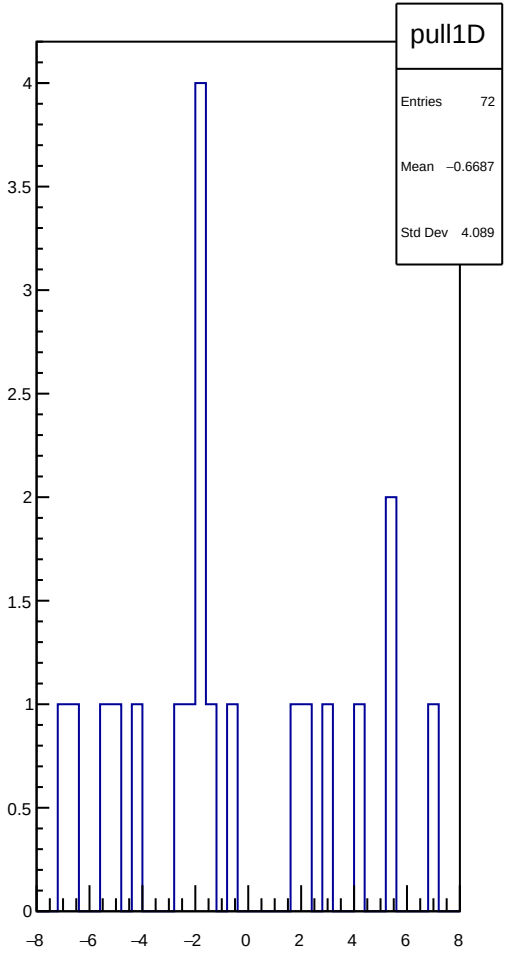

yield_cav4dX_rms vs run
χ^2 / ndf 5.967e+04 / 71
p0 0.8247 ± 0.00071
1.8
1.6
1.4
1.2
1
0.8
0.6

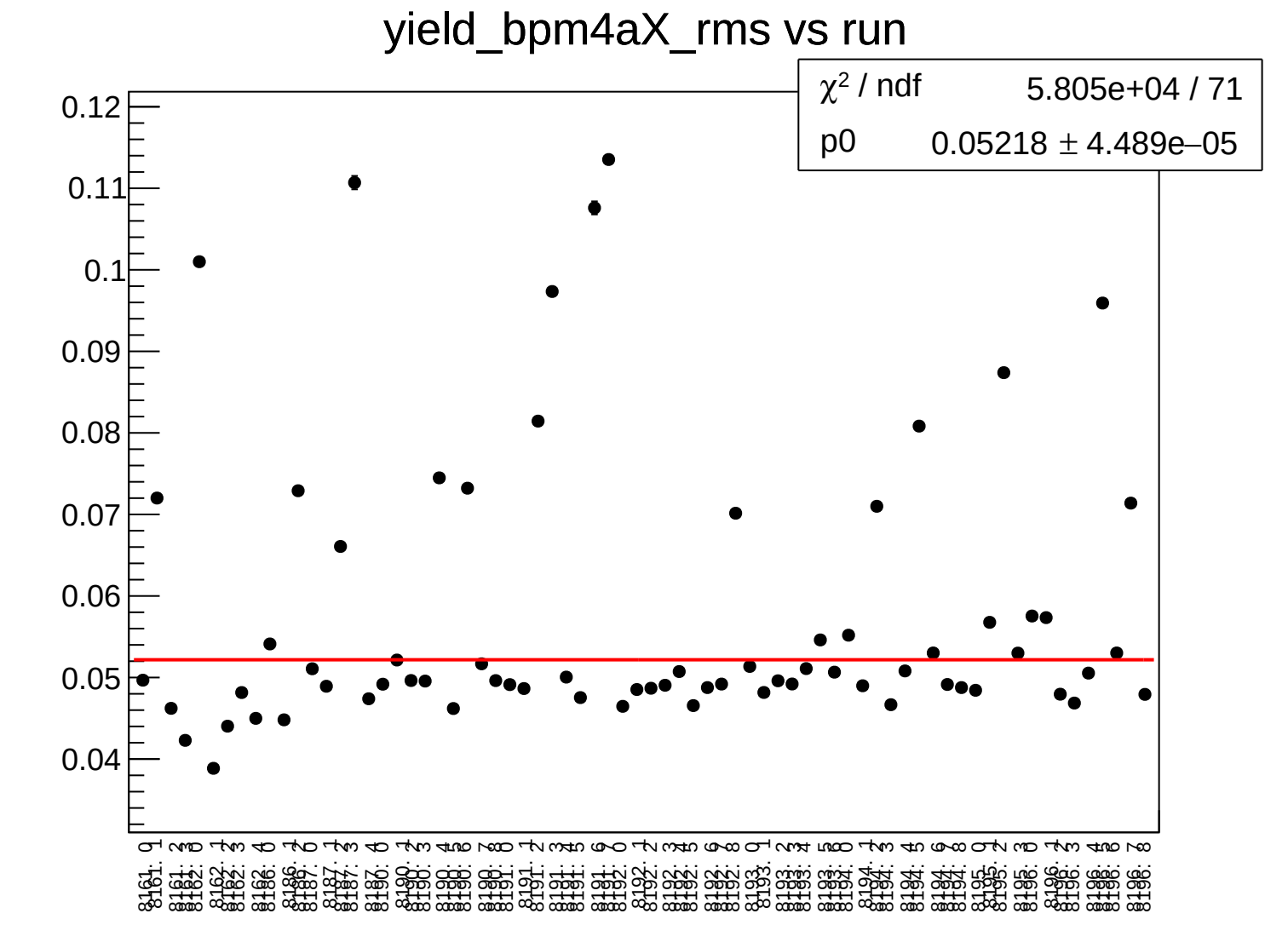

yield_cav4dY_mean vs run
χ² / ndf 6.271e+05 / 71
p0 1.025 ± 1.799e−05
1.04
1.03
1.02
1.01
1
0.99
0.98
pull
Entries 72
Mean 158
Std Dev 126.6
100
50
0
−50
−100
−150
−200
−250

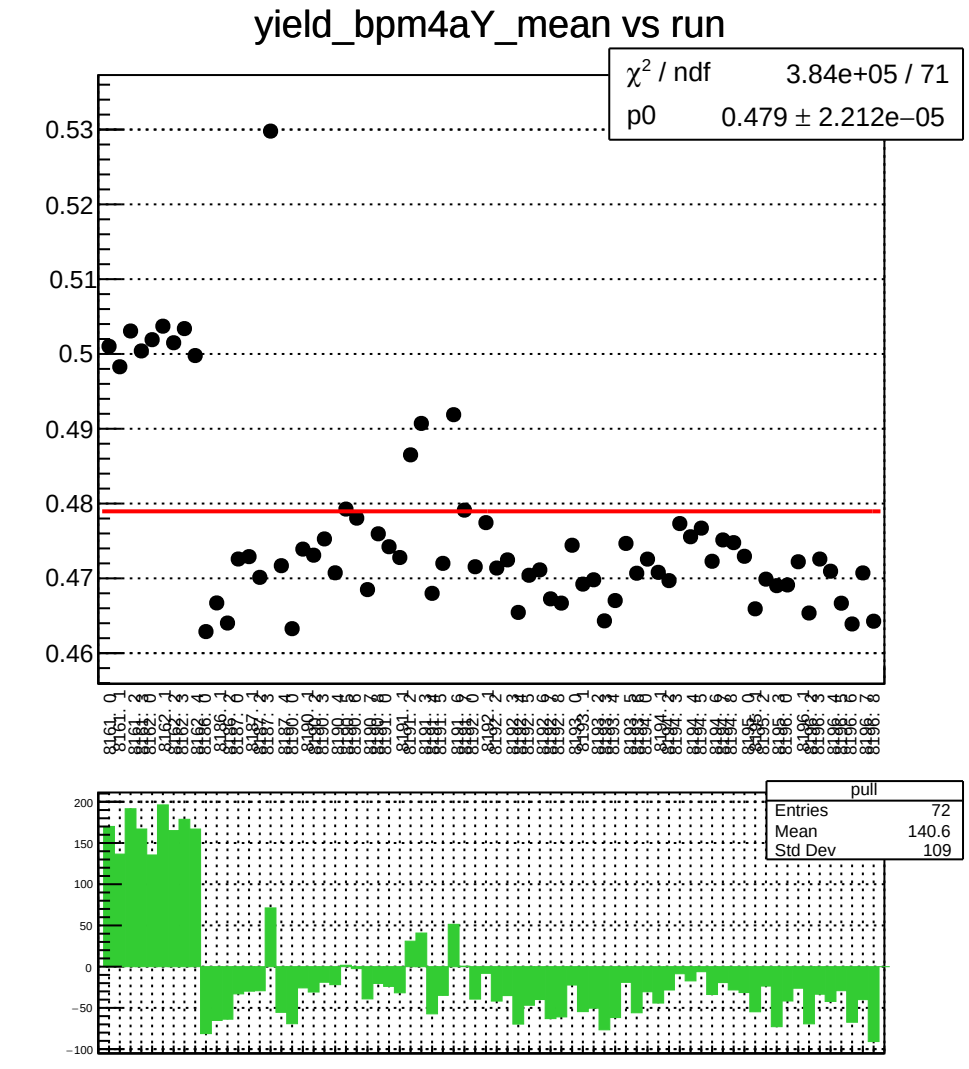

pull1D
Entries 72
Mean 4.243
Std Dev 4.728
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

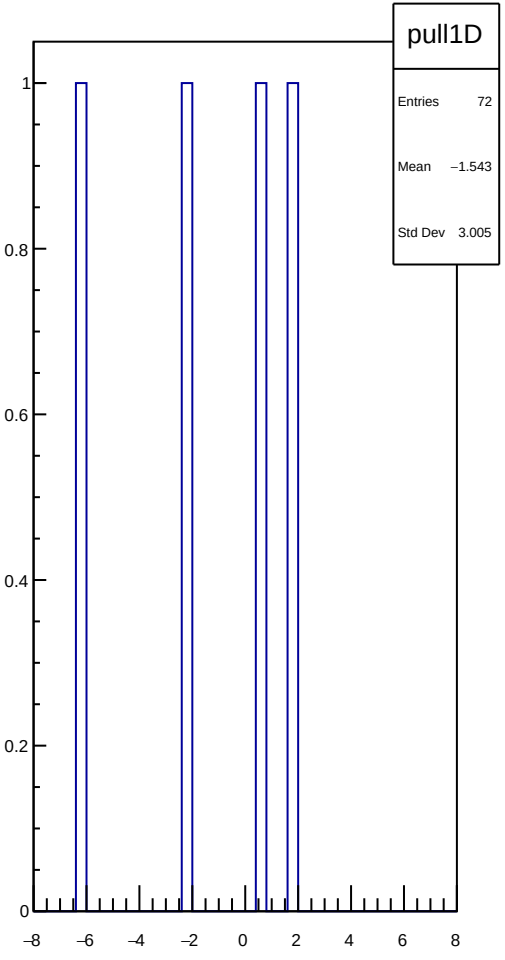

yield_cav4dY_rms vs run
χ² / ndf 8.96e+04 / 71
p0 0.01461 ± 1.272e−05
0.06
0.05
0.04
0.03
0.02
0.01

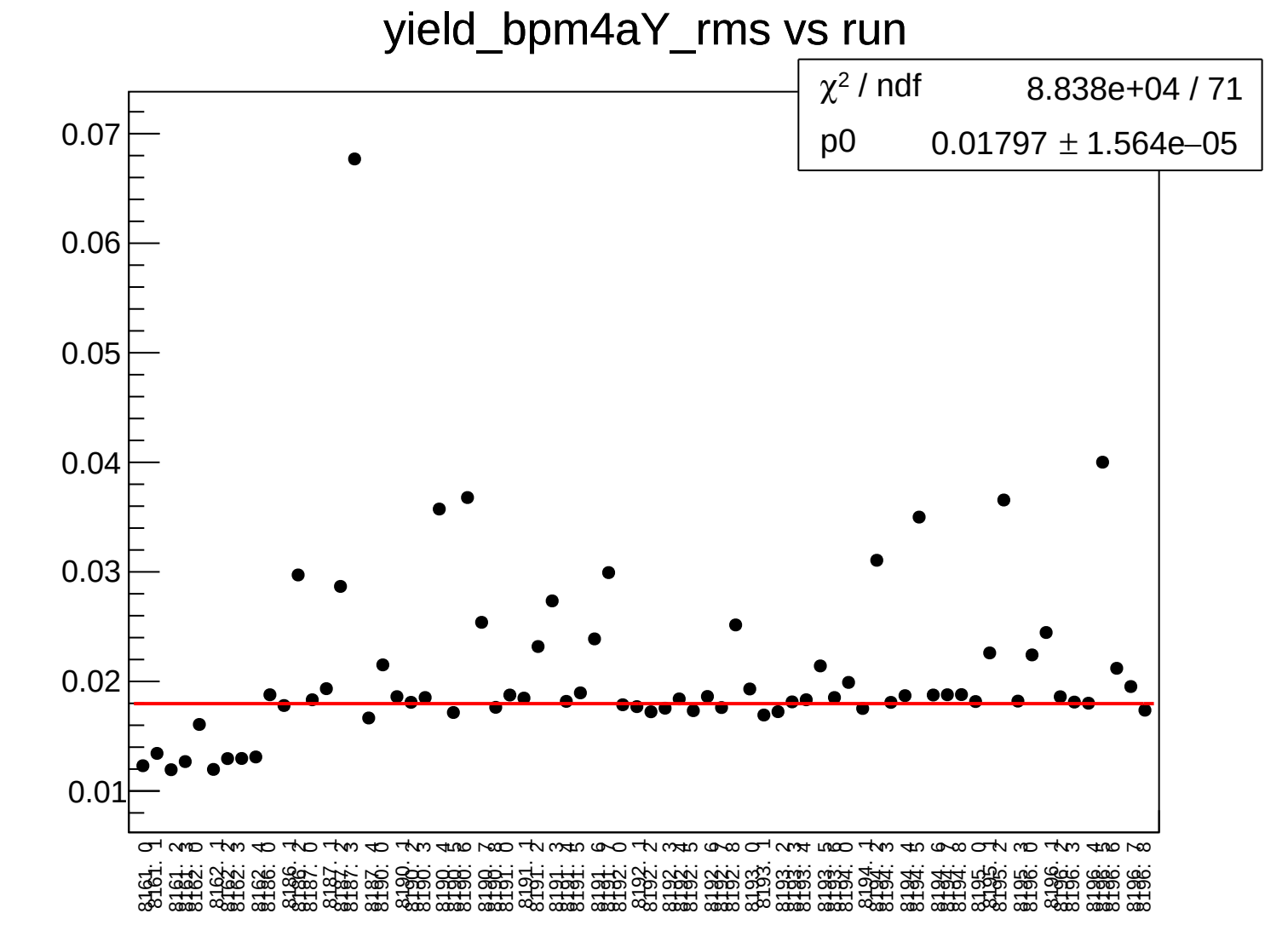

yield_bpm4aX_mean vs run
χ² / ndf 5.569e+04 / 71
p0 −0.6119 ± 6.348e−05
pull
Entries 72
Mean −110.7
Std Dev 144.2

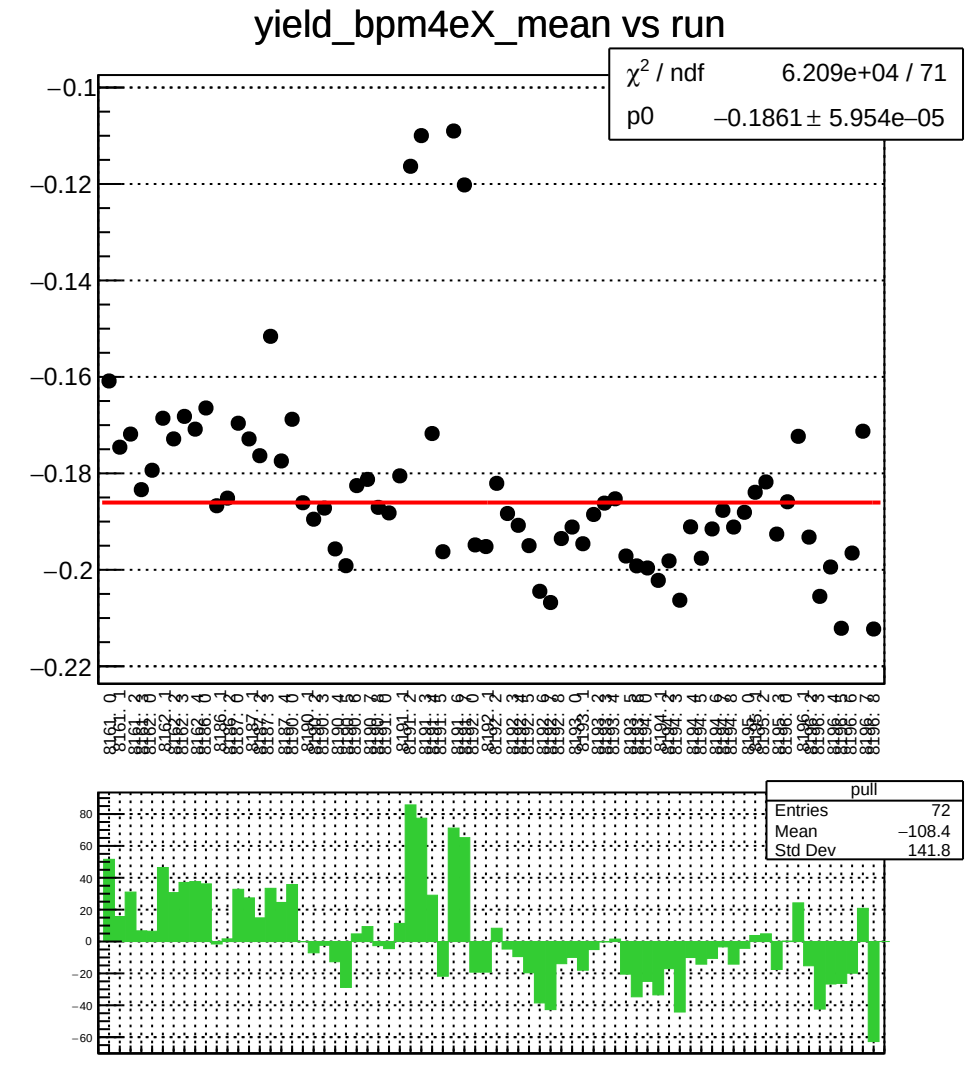

pull1D
Entries 72
Mean −0.6687
Std Dev 4.089

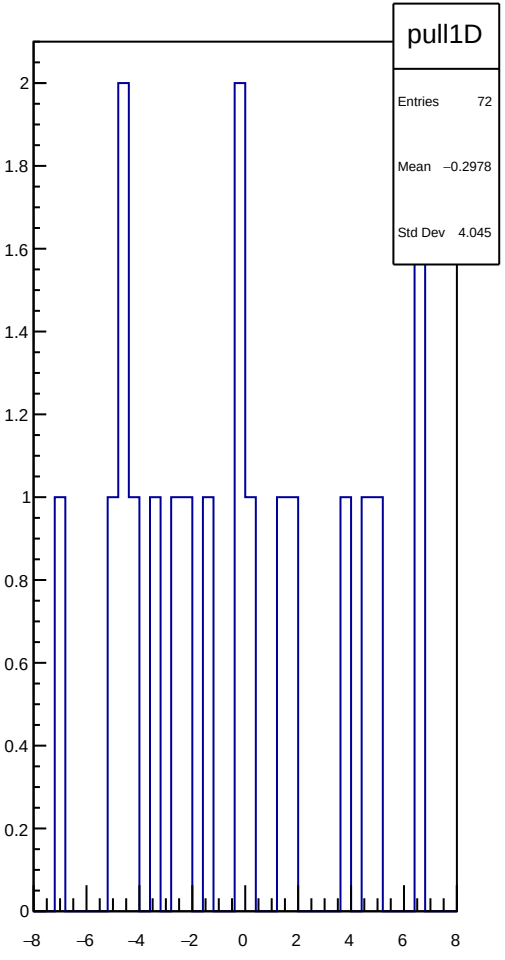

yield_bpm4aX_rms vs run
χ² / ndf 5.805e+04 / 71
p0 0.05218 ± 4.489e–05
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04

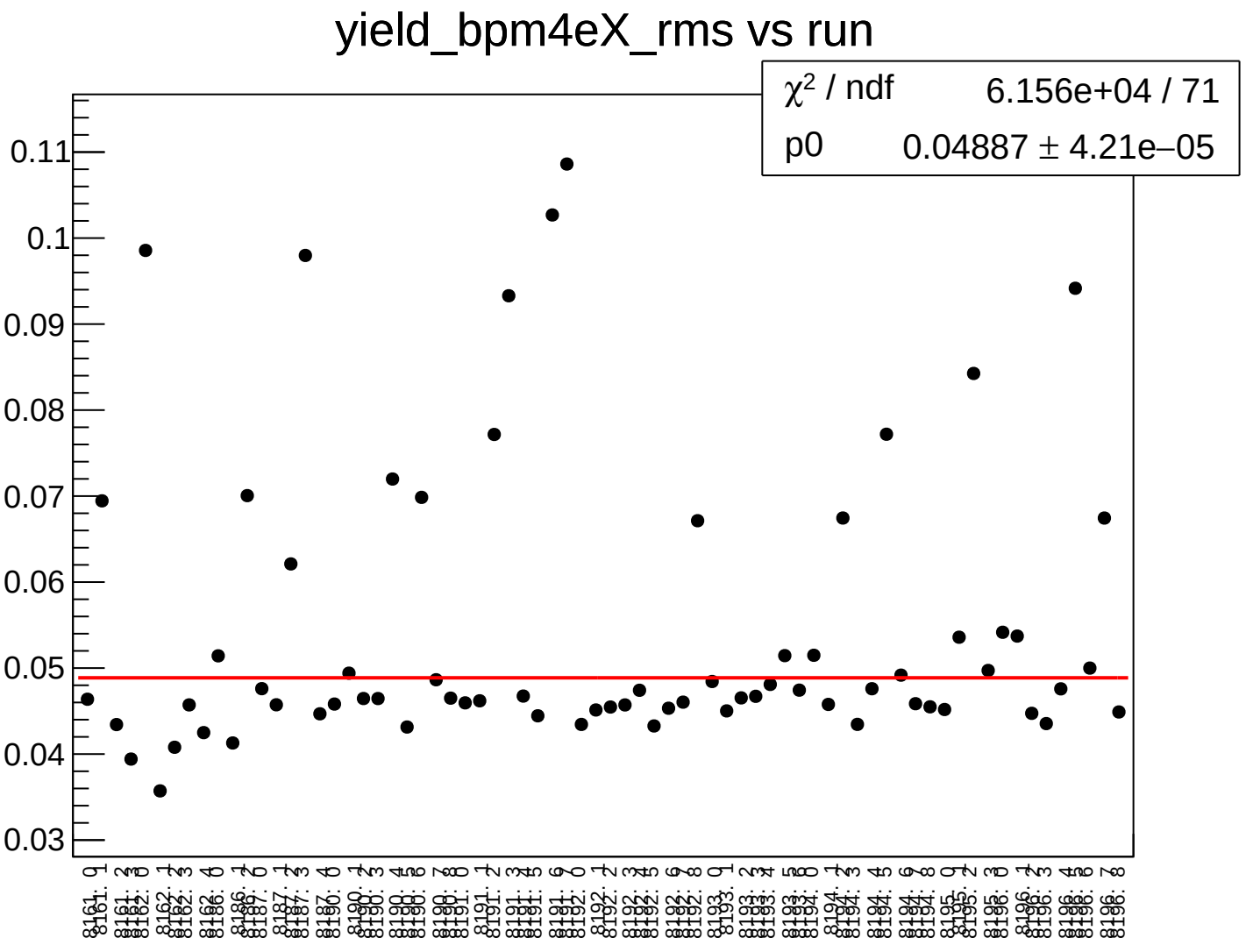

yield_bpm4aY_mean vs run
χ² / ndf 3.84e+05 / 71
p0 0.479 ± 2.212e−05
pull
Entries 72
Mean 140.6
Std Dev 109

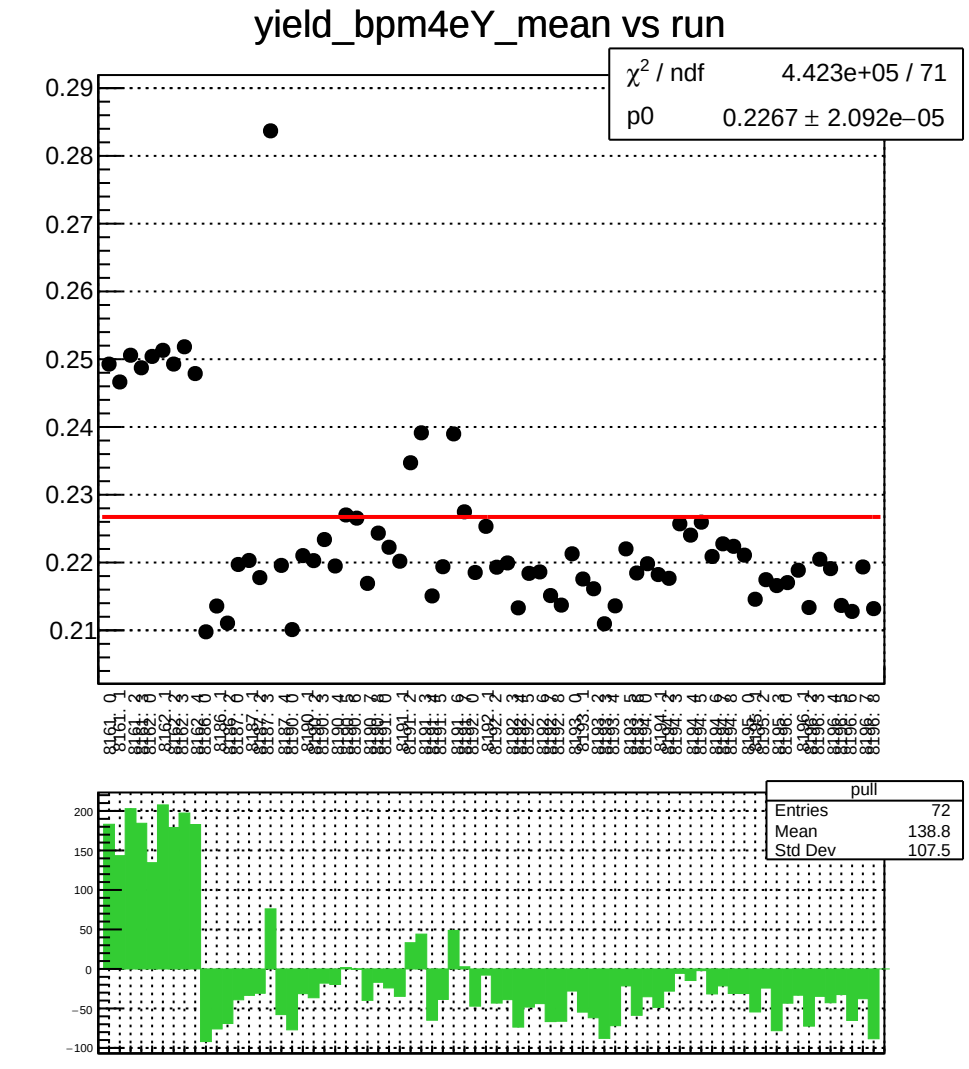

pull1D
Entries 72
Mean −1.543
Std Dev 3.005

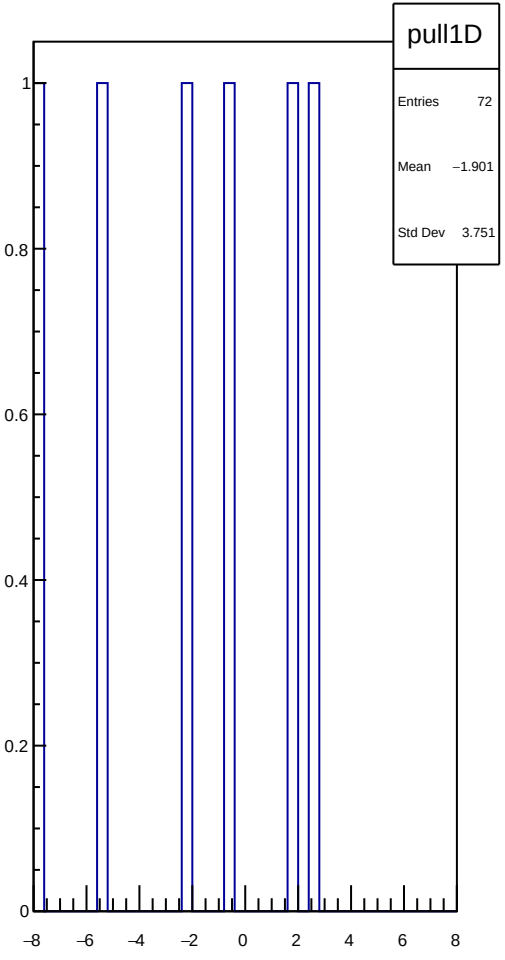

yield_bpm4aY_rms vs run
χ² / ndf 8.838e+04 / 71
p0 0.01797 ± 1.564e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

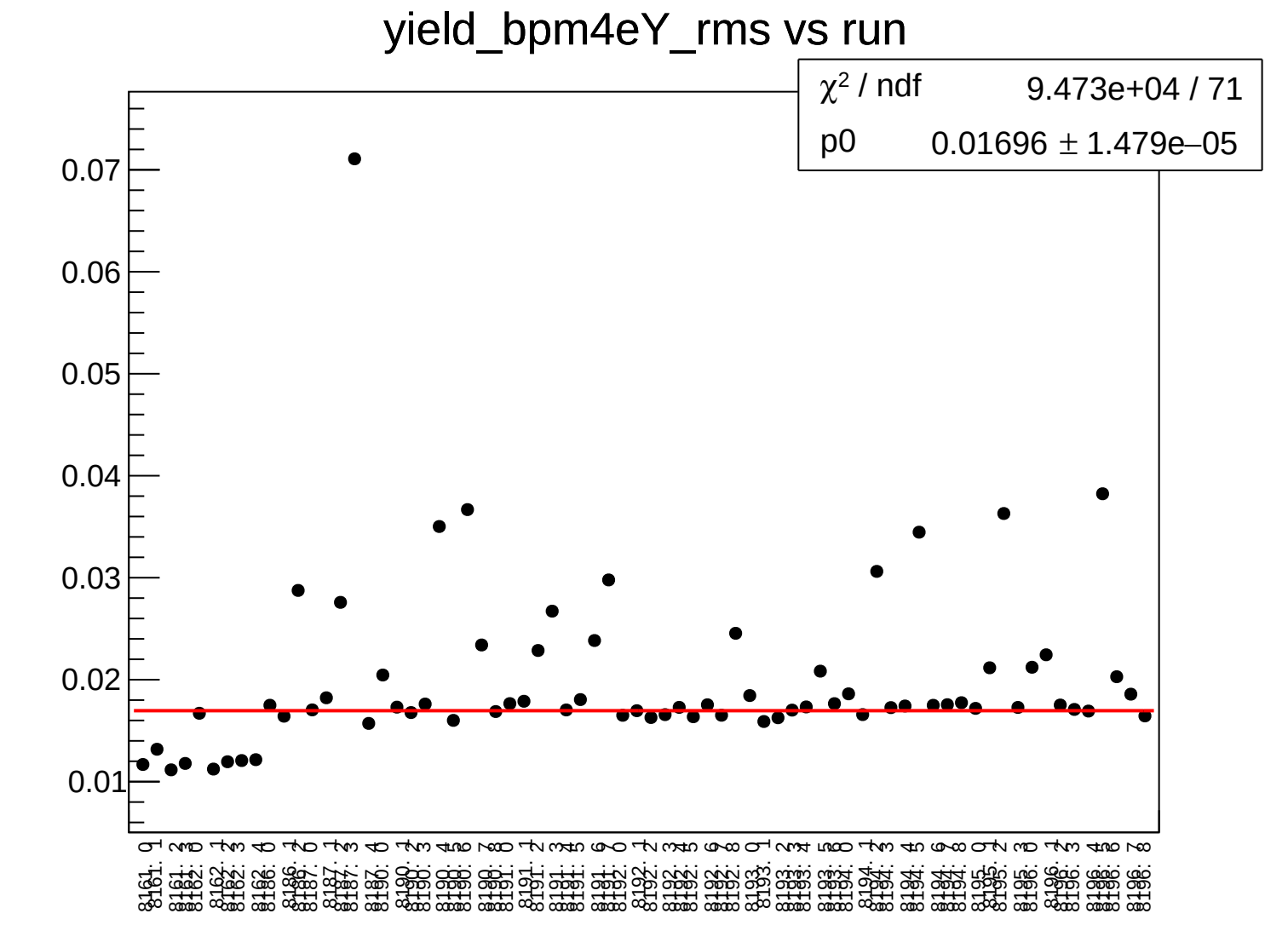

yield_bpm4eX_mean vs run
χ² / ndf 6.209e+04 / 71
p0 −0.1861 ± 5.954e−05
pull
Entries 72
Mean −108.4
Std Dev 141.8

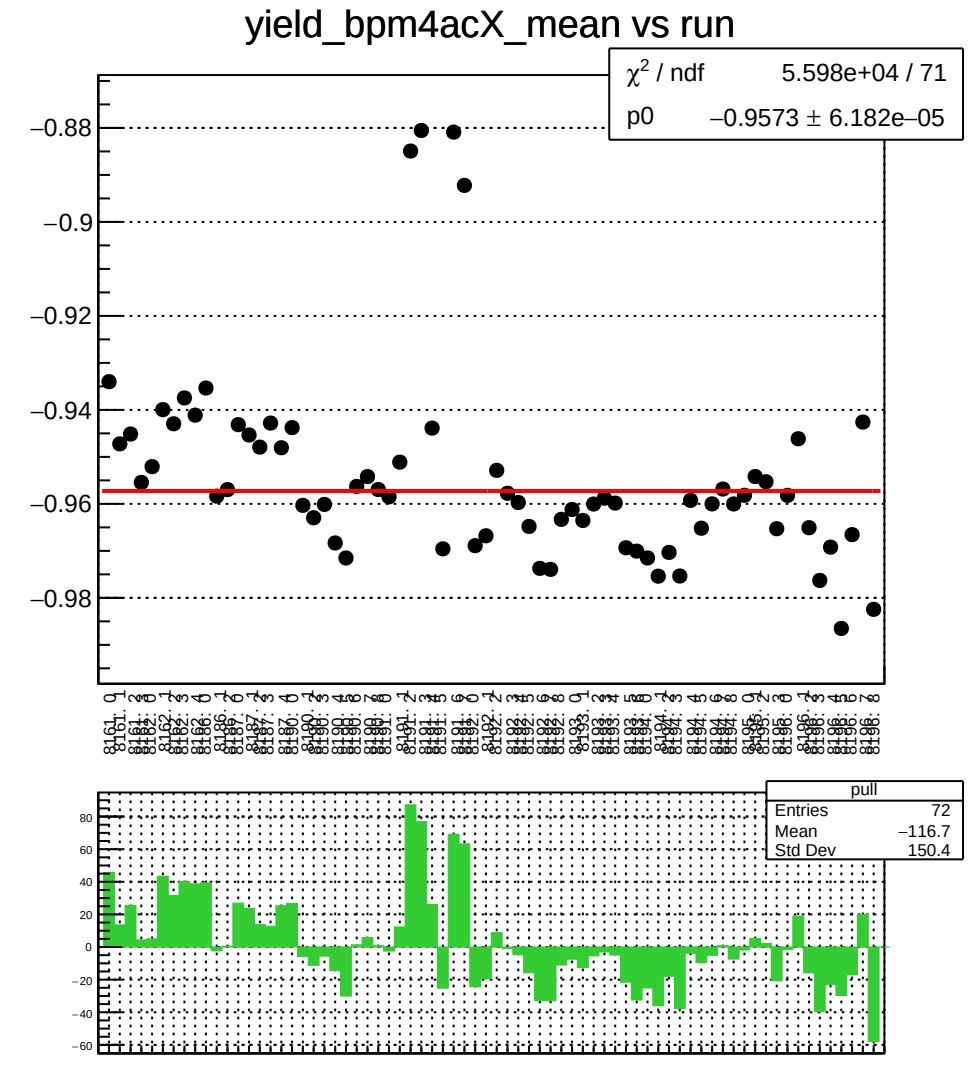

pull1D
Entries 72
Mean −0.2978
Std Dev 4.045

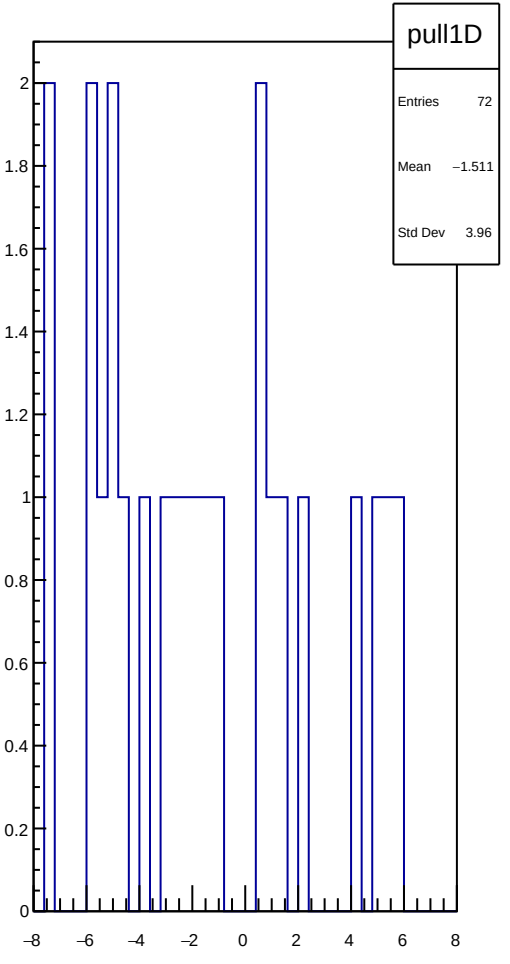

yield_bpm4eX_rms vs run
χ² / ndf 6.156e+04 / 71
p0 0.04887 ± 4.21e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

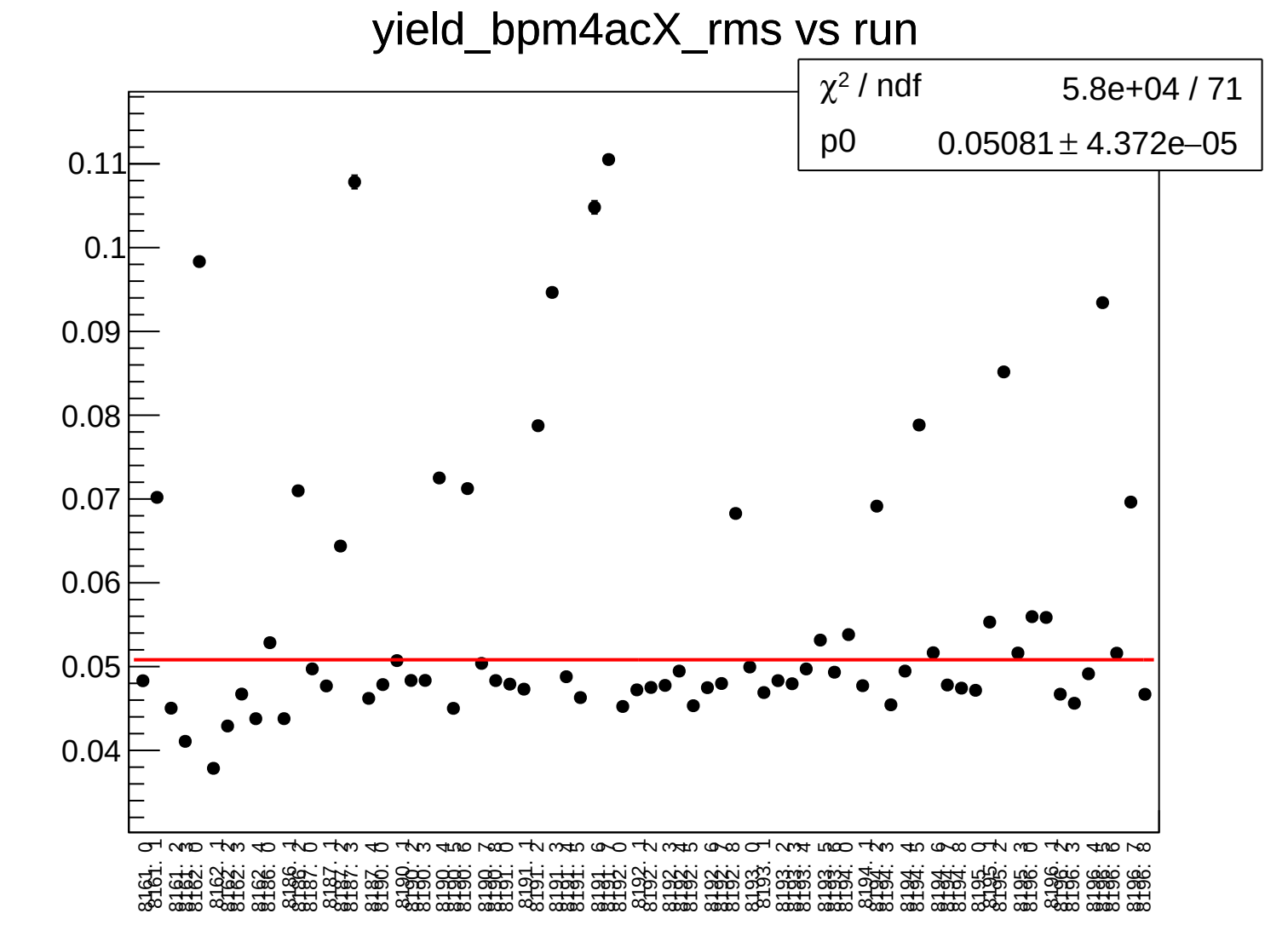

yield_bpm4eY_mean vs run
χ² / ndf 4.423e+05 / 71
p0 0.2267 ± 2.092e−05
pull
Entries 72
Mean 138.8
Std Dev 107.5

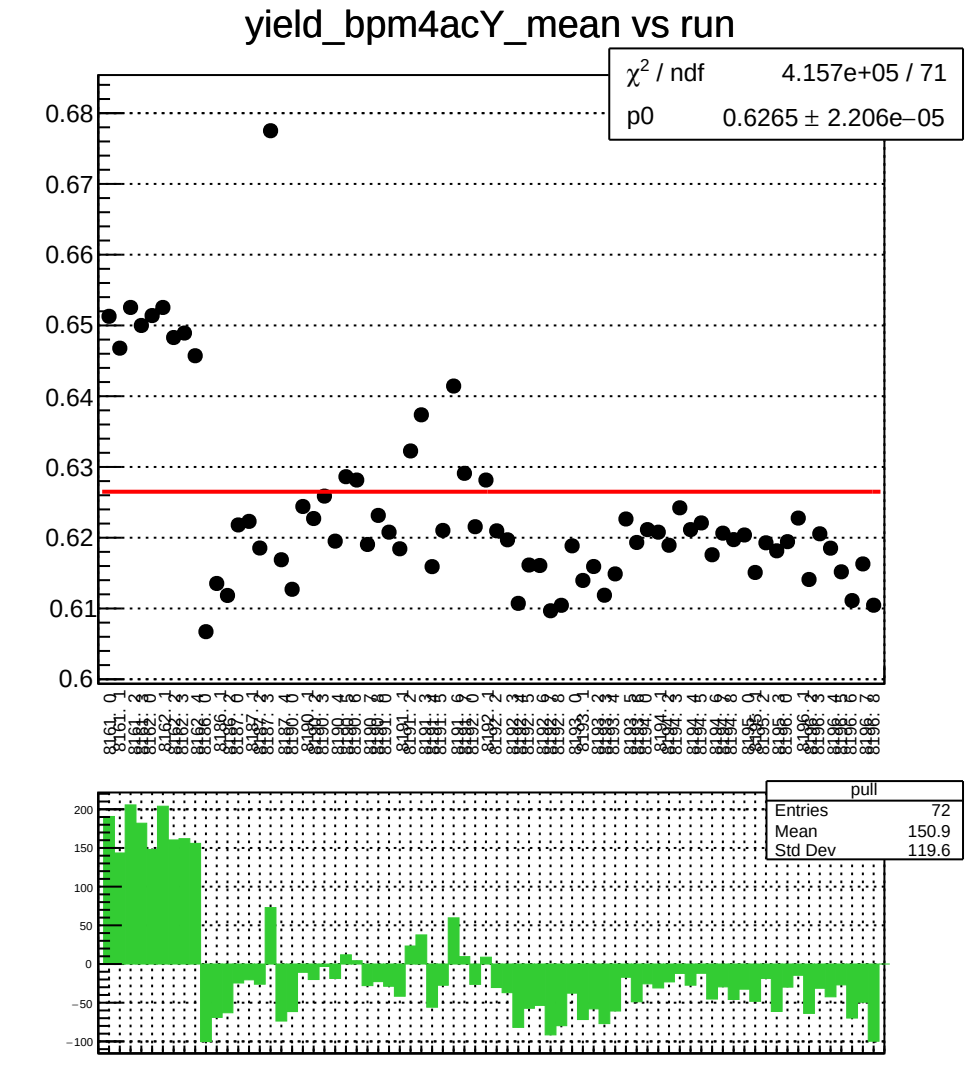

pull1D
Entries 72
Mean −1.901
Std Dev 3.751

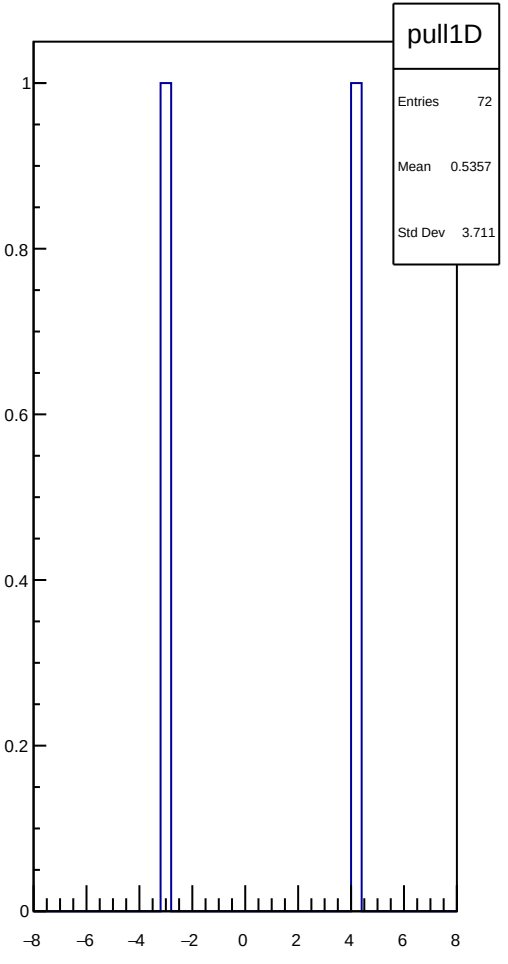

yield_bpm4eY_rms vs run
χ² / ndf 9.473e+04 / 71
p0 0.01696 ± 1.479e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

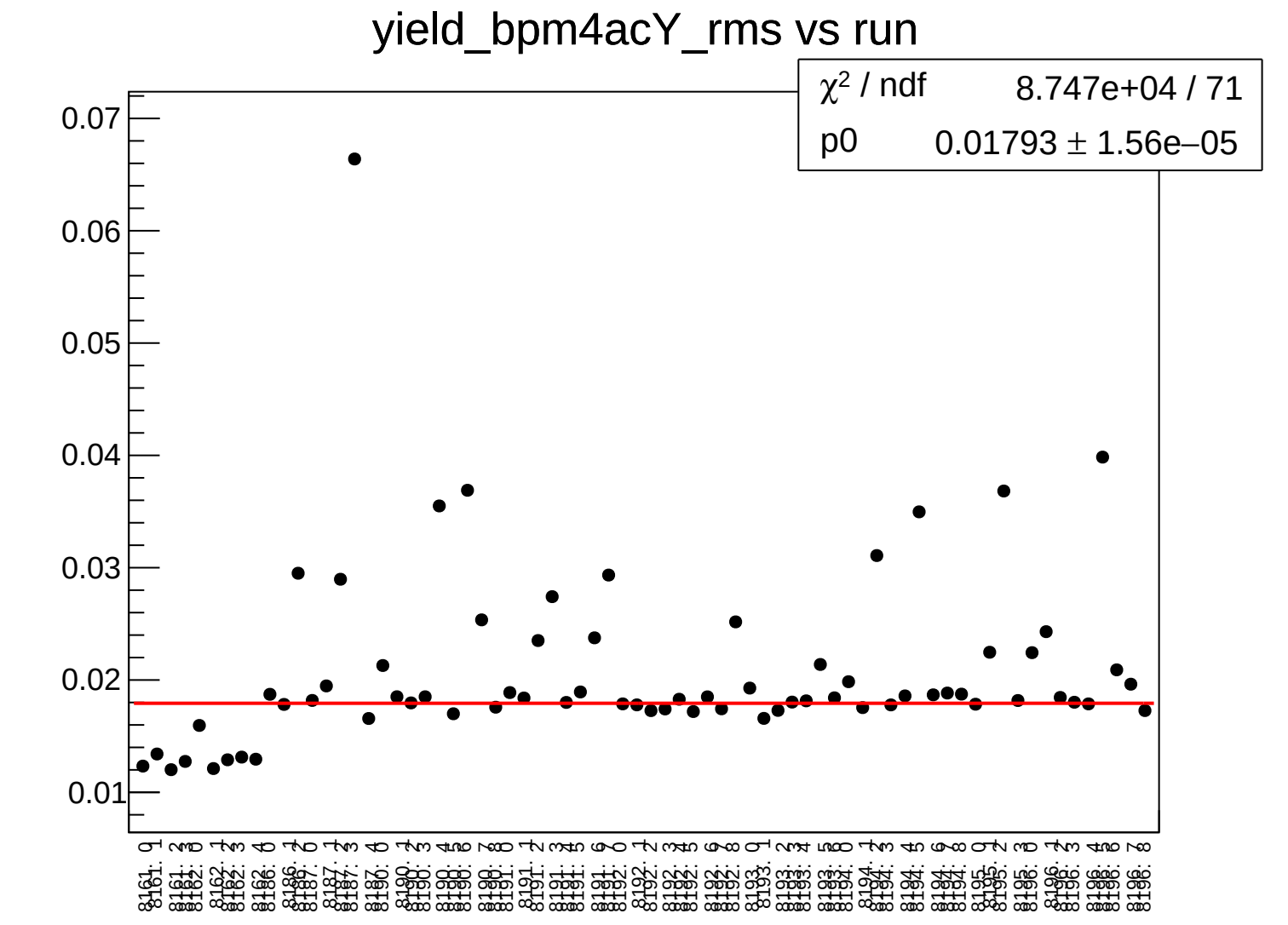

yield_bpm4acX_mean vs run
χ² / ndf 5.598e+04 / 71
p0 −0.9573 ± 6.182e−05
−0.88
−0.9
−0.92
−0.94
−0.96
−0.98
pull
Entries 72
Mean −116.7
Std Dev 150.4
80
60
40
20
0
−20
−40
−60

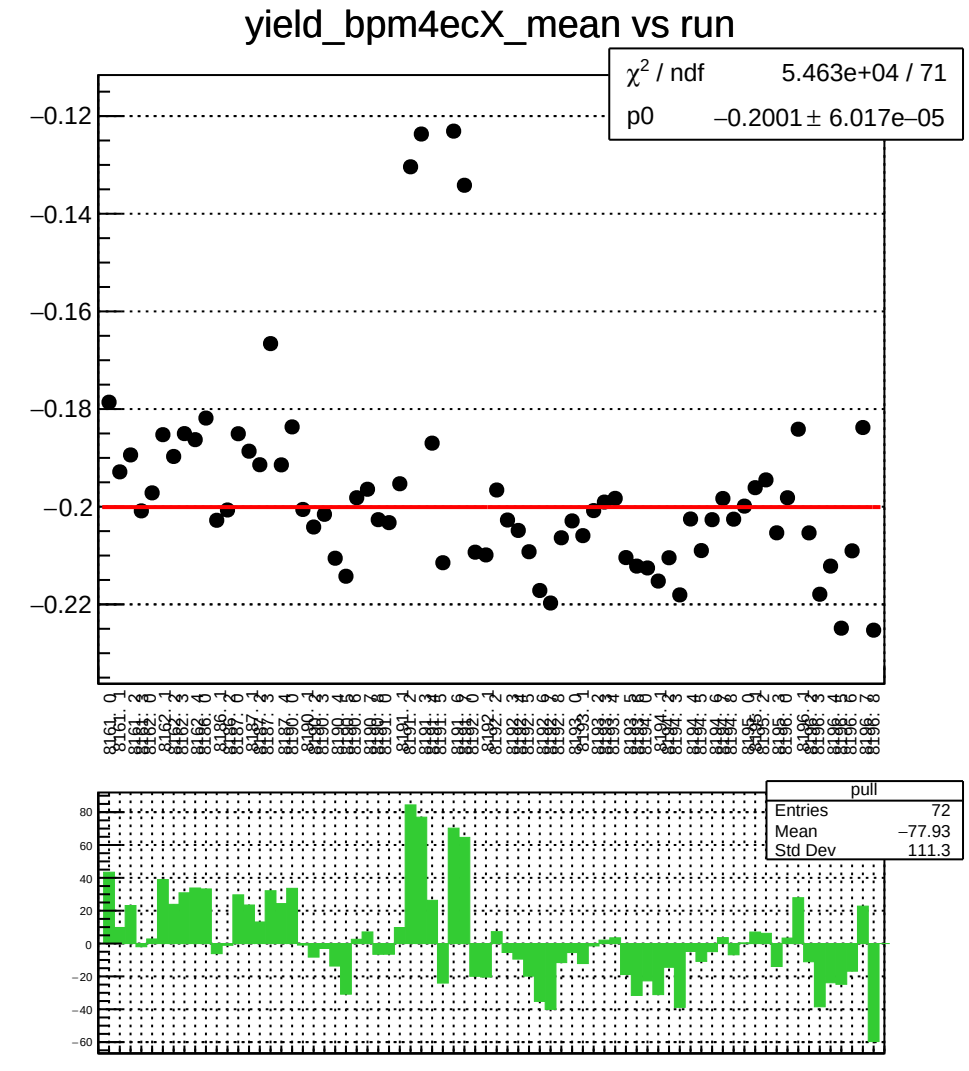

pull1D
Entries 72
Mean −1.511
Std Dev 3.96
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

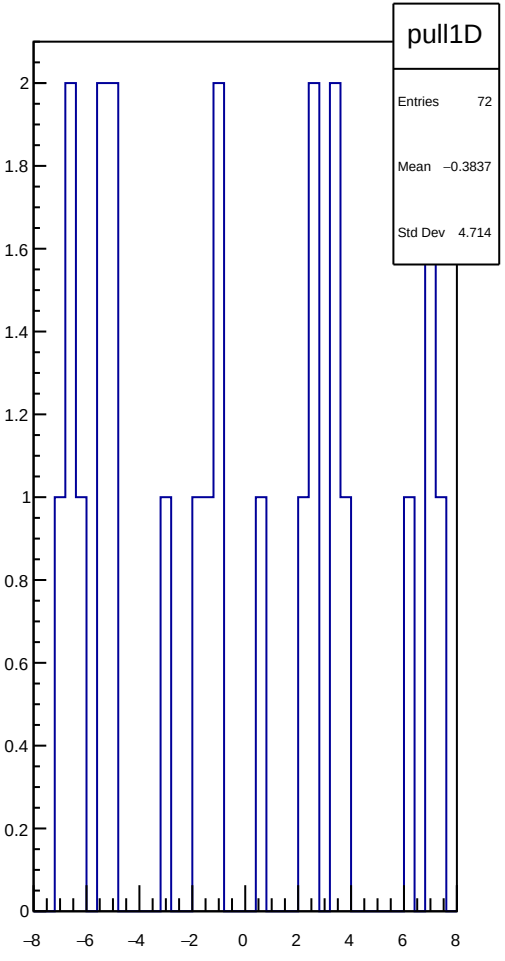

yield_bpm4acX_rms vs run
χ² / ndf 5.8e+04 / 71
p0 0.05081 ± 4.372e–05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04

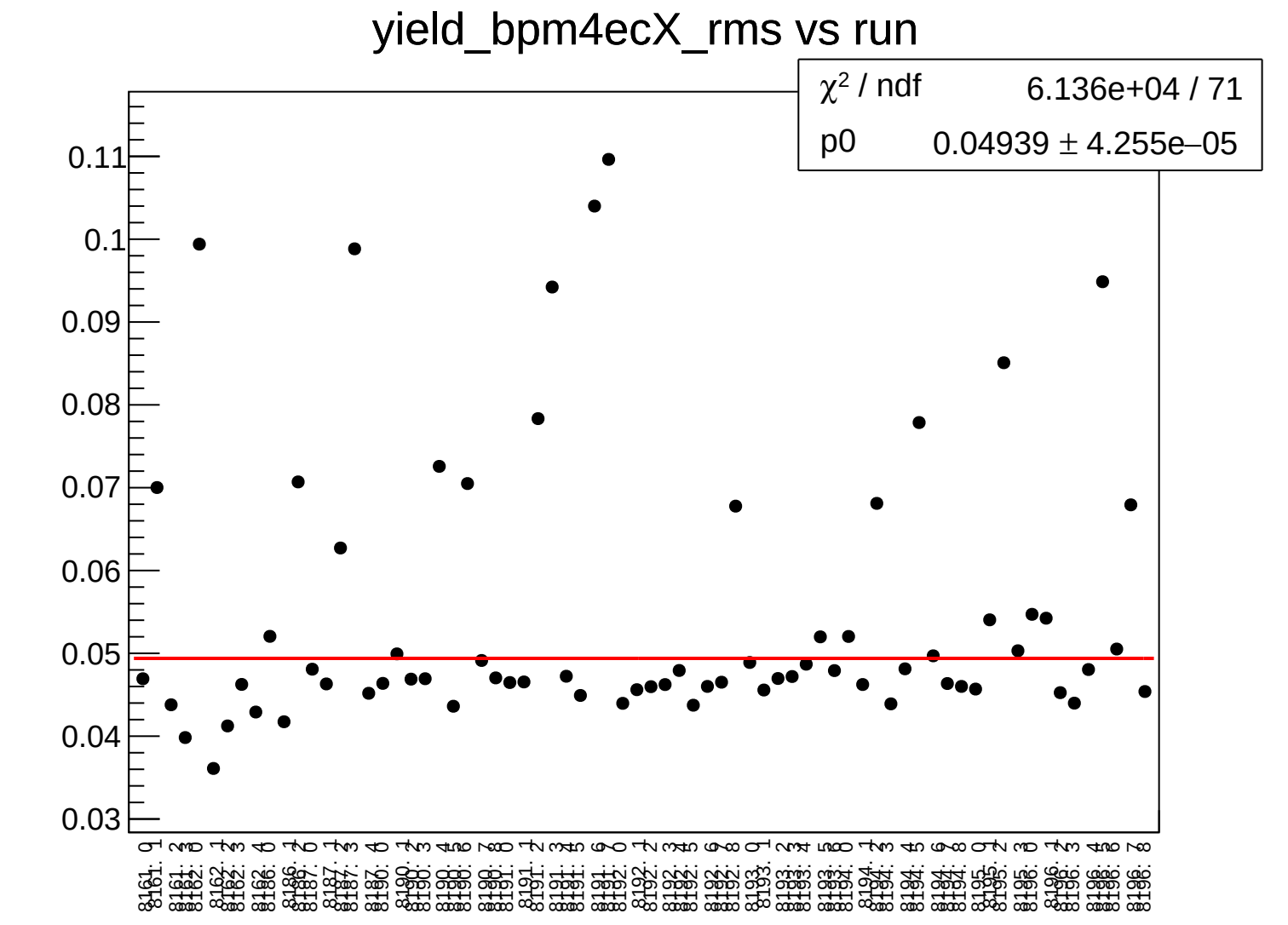

yield_bpm4acY_mean vs run
χ² / ndf 4.157e+05 / 71
p0 0.6265 ± 2.206e−05
pull
Entries 72
Mean 150.9
Std Dev 119.6

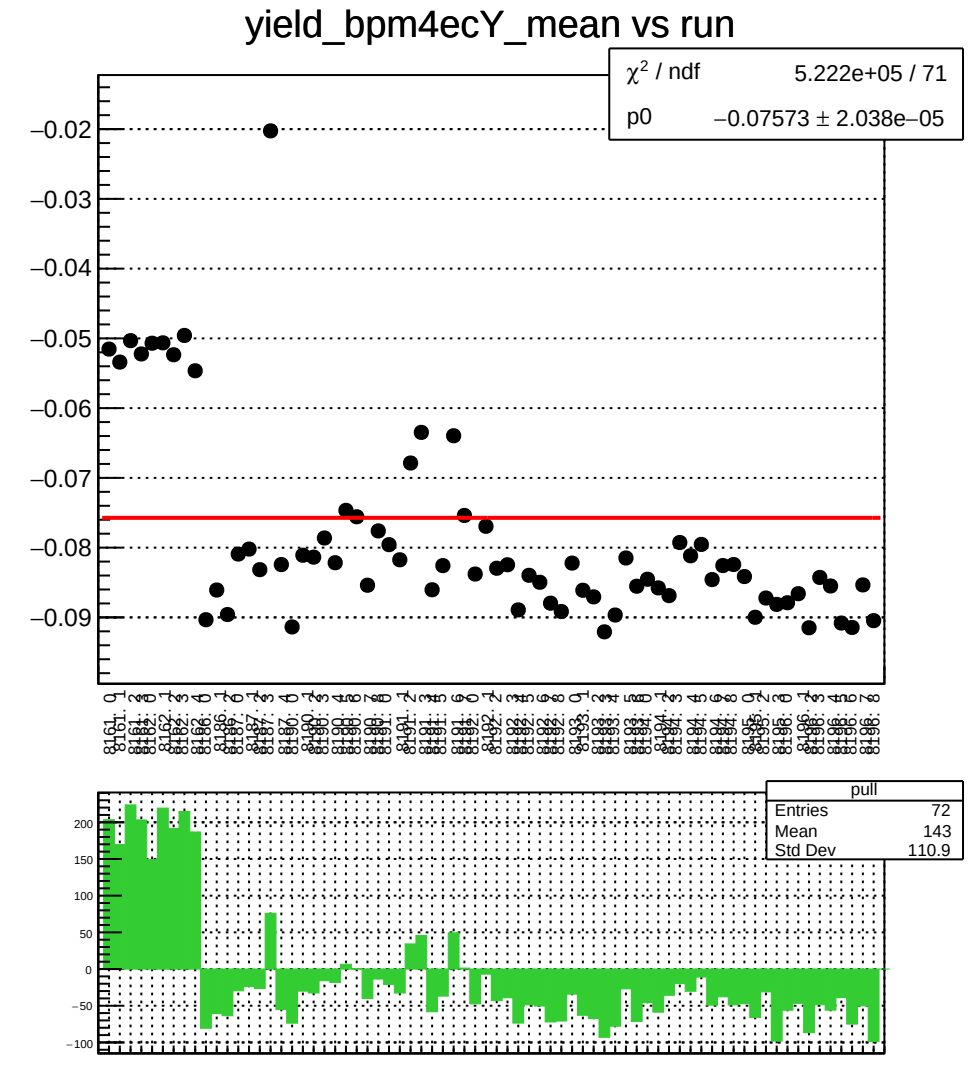

pull1D
Entries 72
Mean 0.5357
Std Dev 3.711

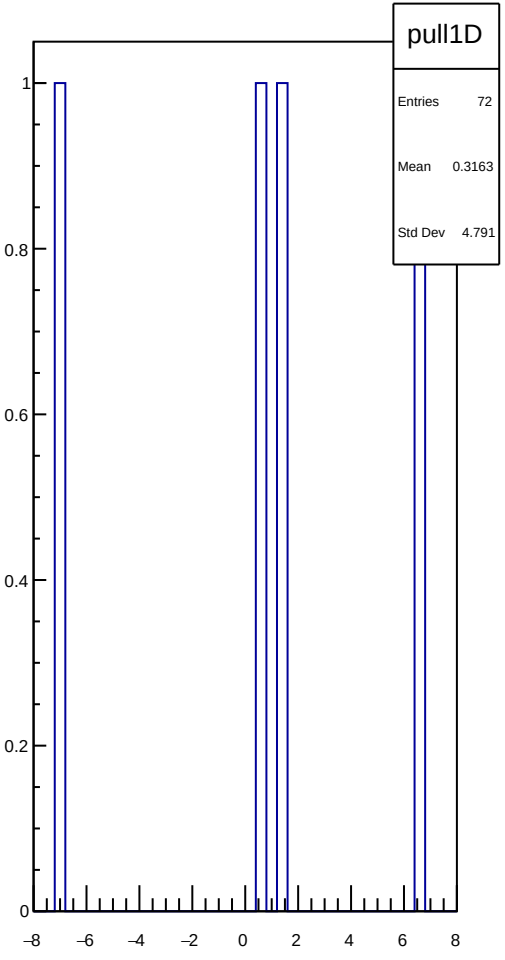

yield_bpm4acY_rms vs run
χ² / ndf 8.747e+04 / 71
p0 0.01793 ± 1.56e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

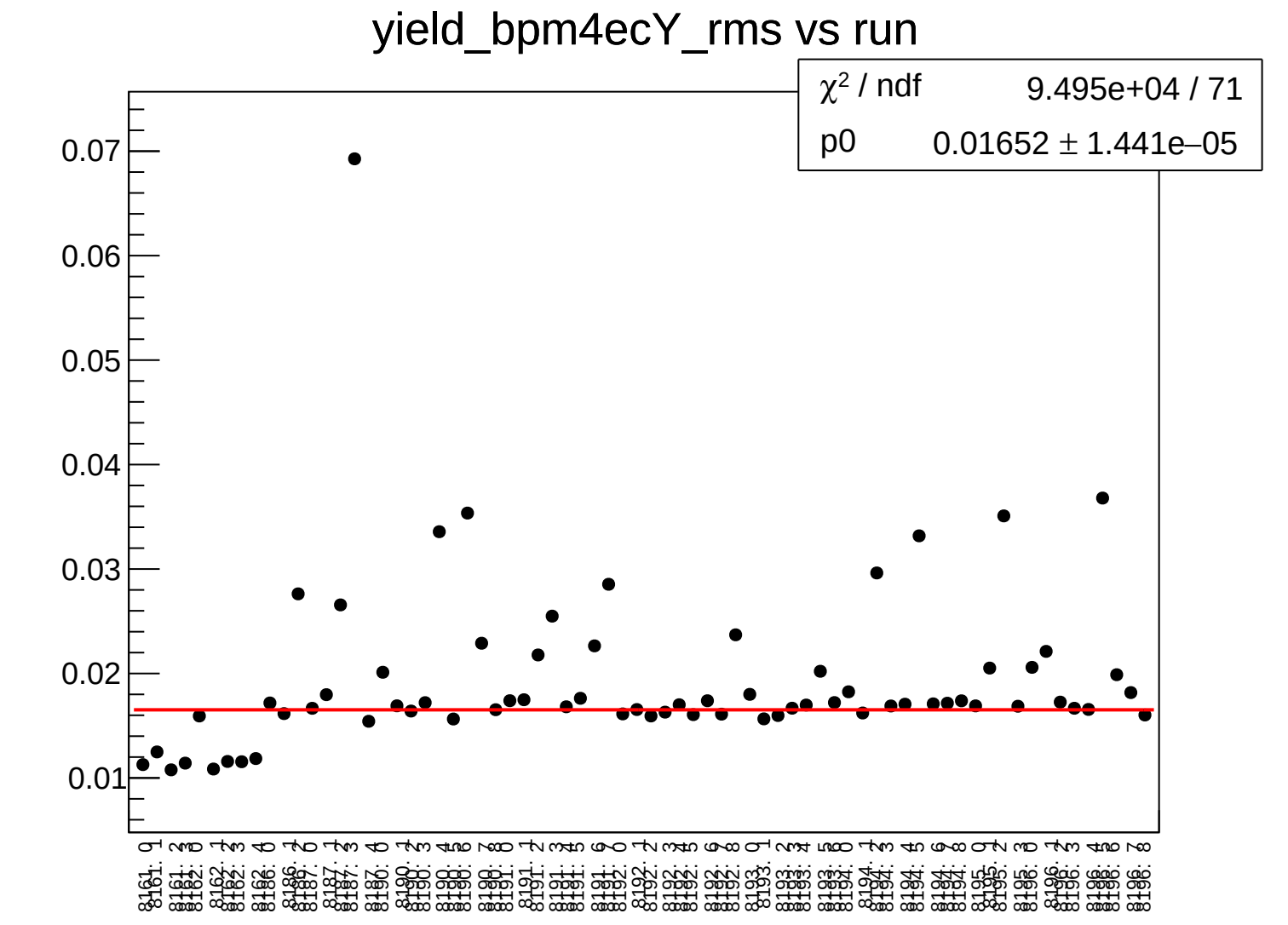

yield_bpm4ecX_mean vs run
χ² / ndf 5.463e+04 / 71
p0 −0.2001 ± 6.017e−05
−0.12
−0.14
−0.16
−0.18
−0.2
−0.22
pull
Entries 72
Mean −77.93
Std Dev 111.3
80
60
40
20
0
−20
−40
−60

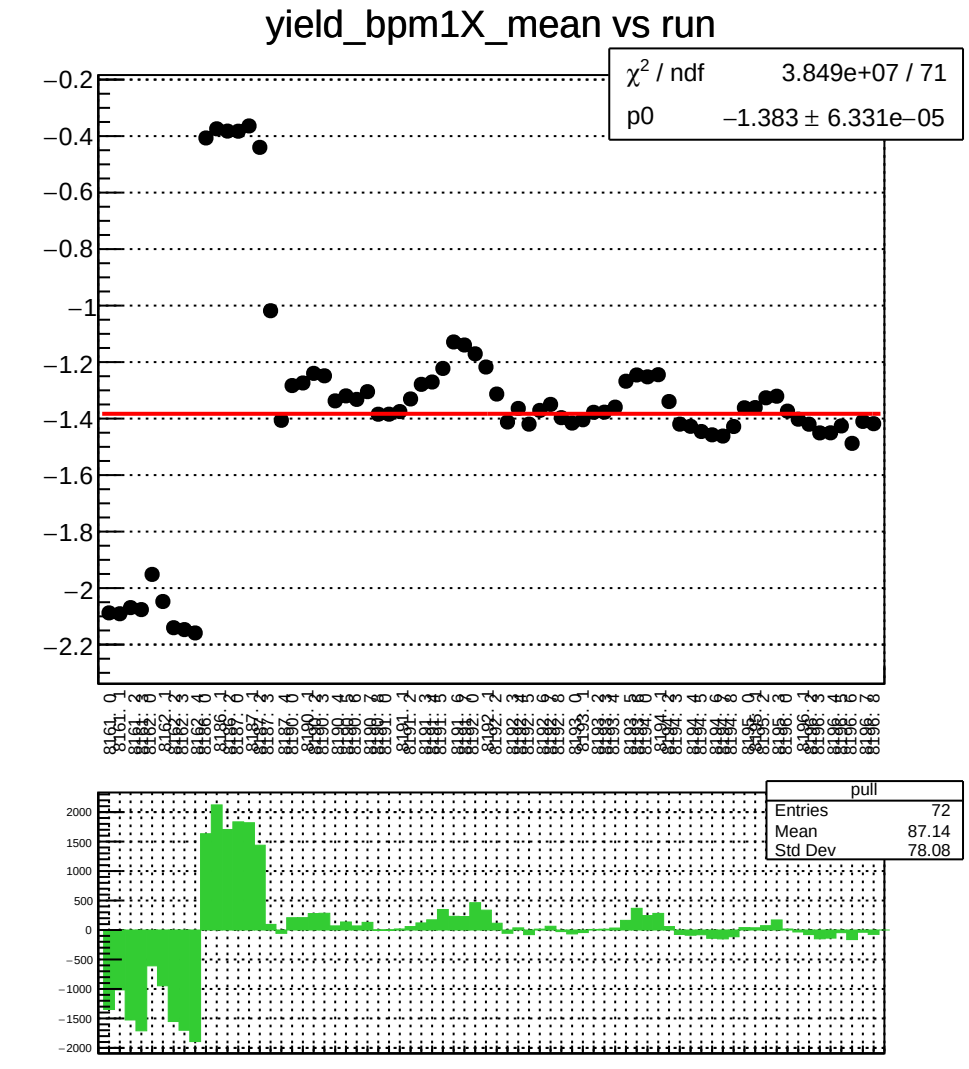

pull1D
Entries 72
Mean −0.3837
Std Dev 4.714
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

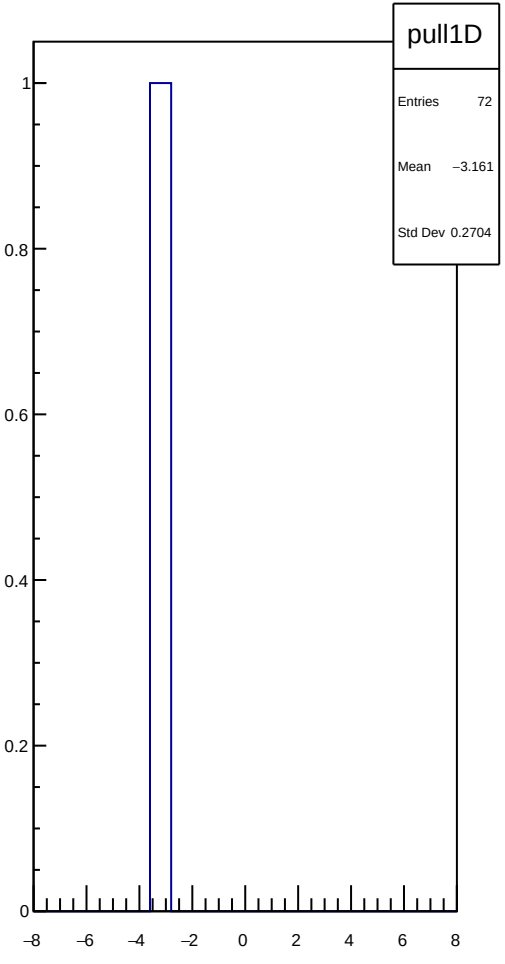

yield_bpm4ecX_rms vs run
χ² / ndf 6.136e+04 / 71
p0 0.04939 ± 4.255e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

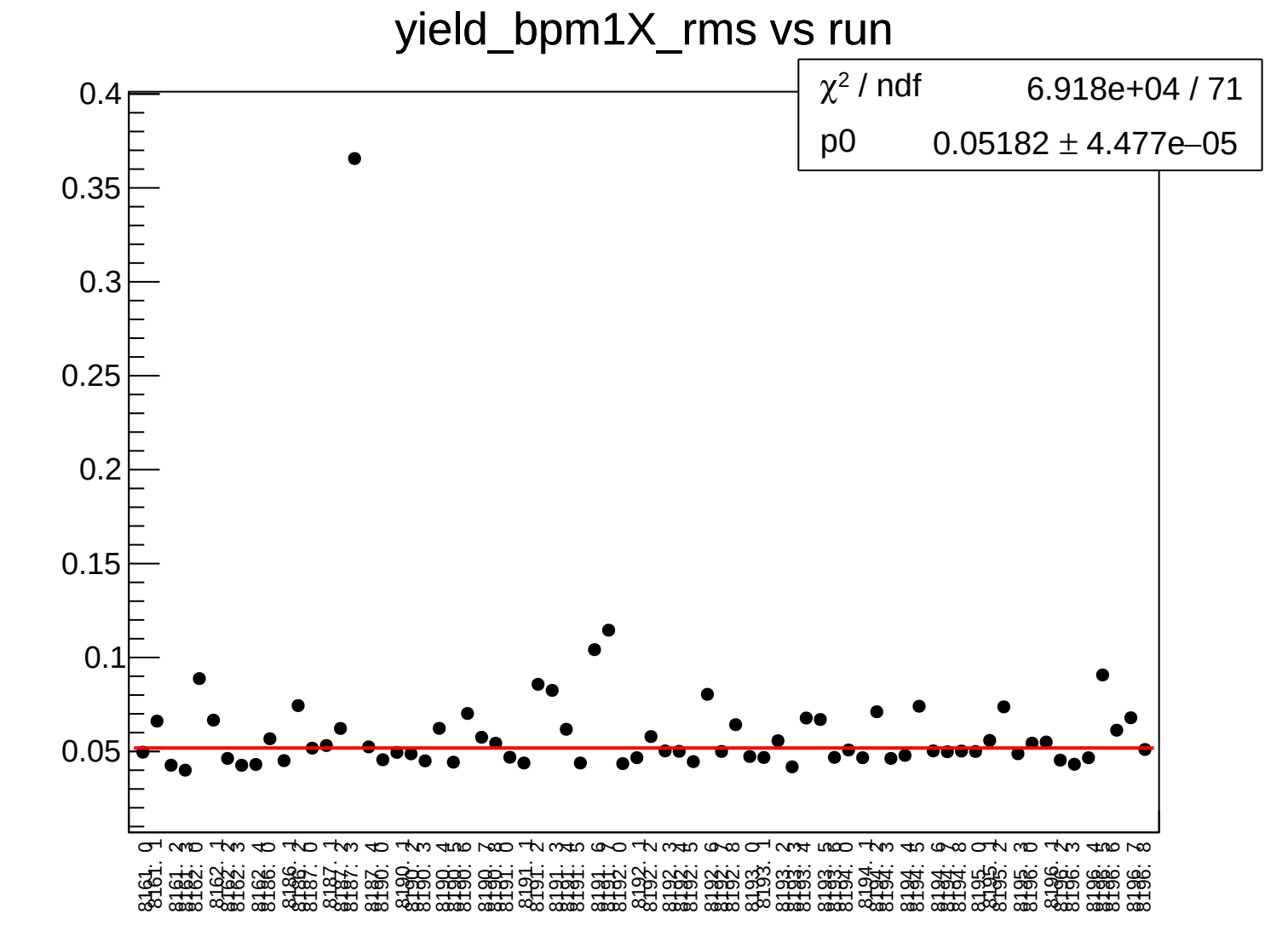

yield_bpm4ecY_mean vs run
χ² / ndf 5.222e+05 / 71
p0 −0.07573 ± 2.038e−05
pull
Entries 72
Mean 143
Std Dev 110.9

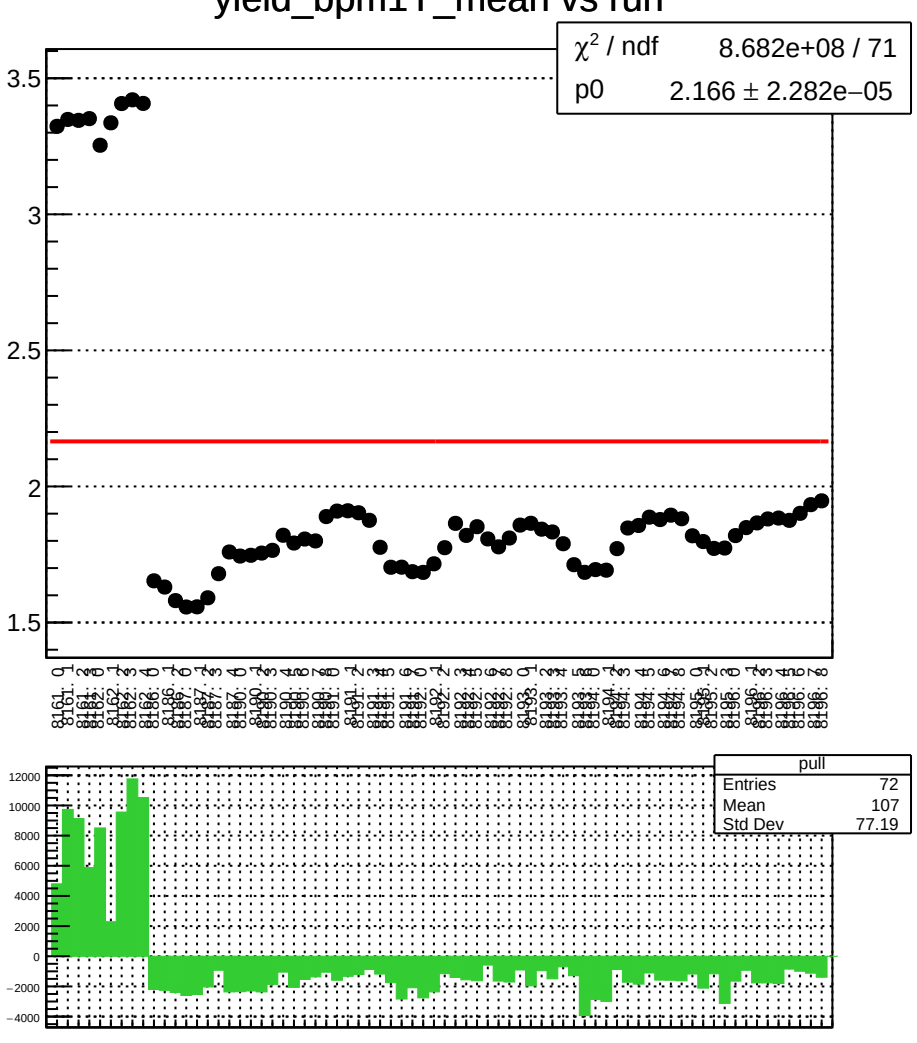

pull1D
Entries 72
Mean 0.3163
Std Dev 4.791

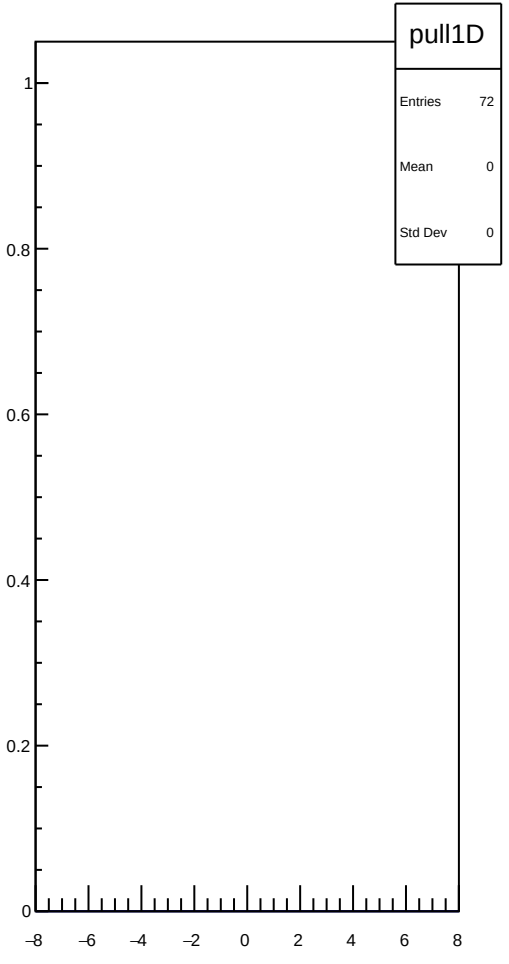

yield_bpm4ecY_rms vs run
χ² / ndf 9.495e+04 / 71
p0 0.01652 ± 1.441e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

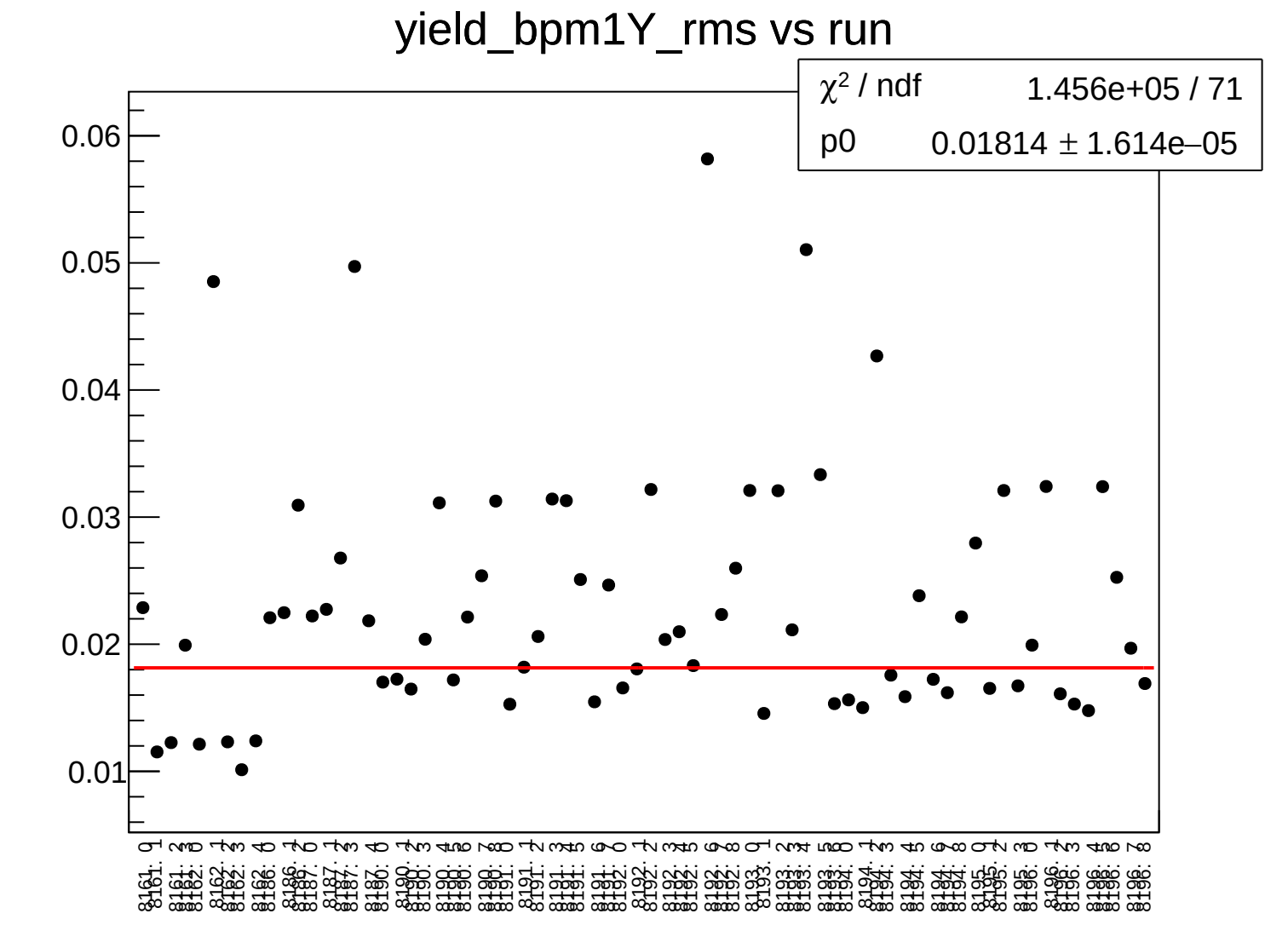

yield_bpm1X_mean vs run
χ² / ndf 3.849e+07 / 71
p0 −1.383 ± 6.331e−05
pull
Entries 72
Mean 87.14
Std Dev 78.08

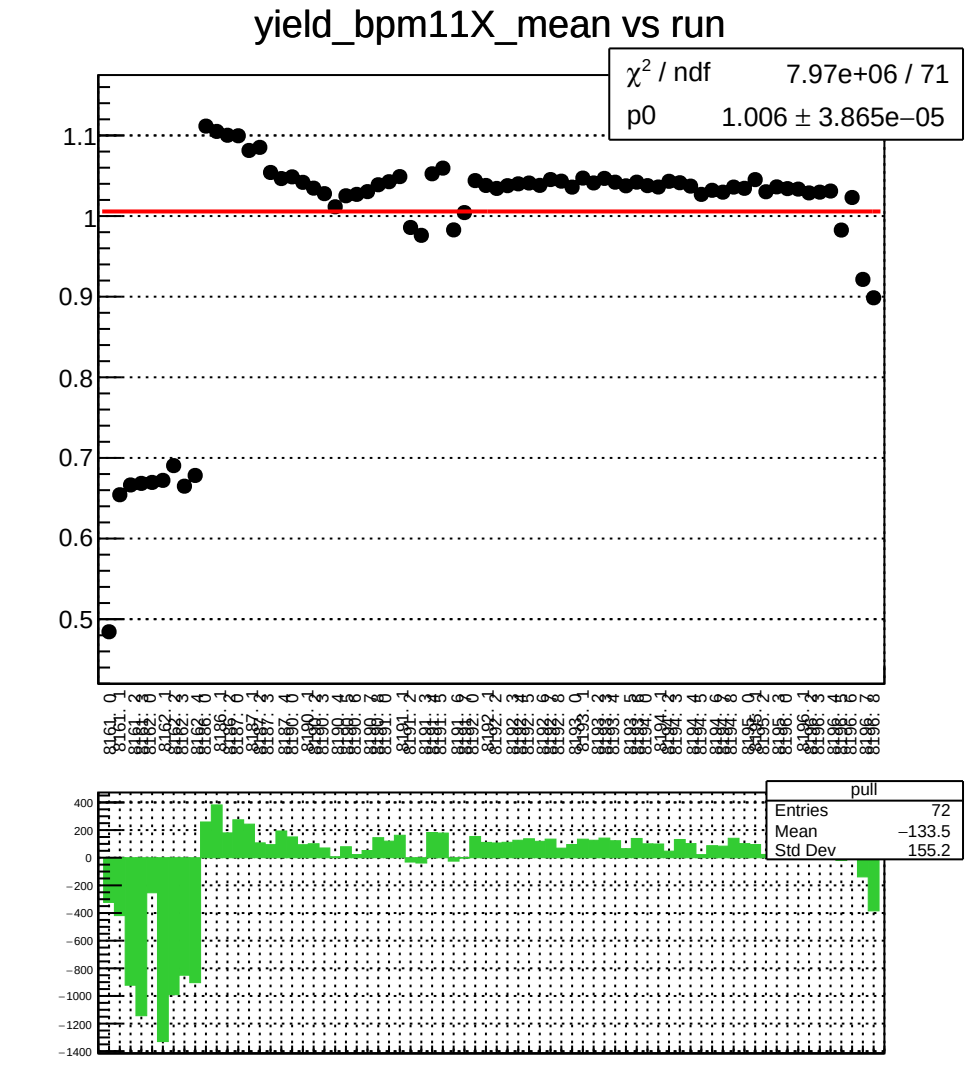

pull1D
Entries 72
Mean −3.161
Std Dev 0.2704

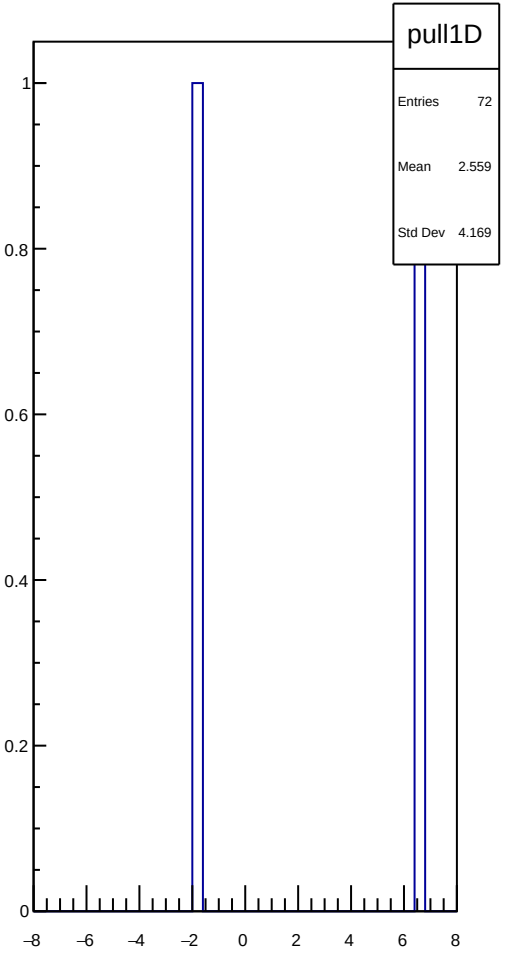

yield_bpm1X_rms vs run
χ² / ndf 6.918e+04 / 71
p0 0.05182 ± 4.477e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

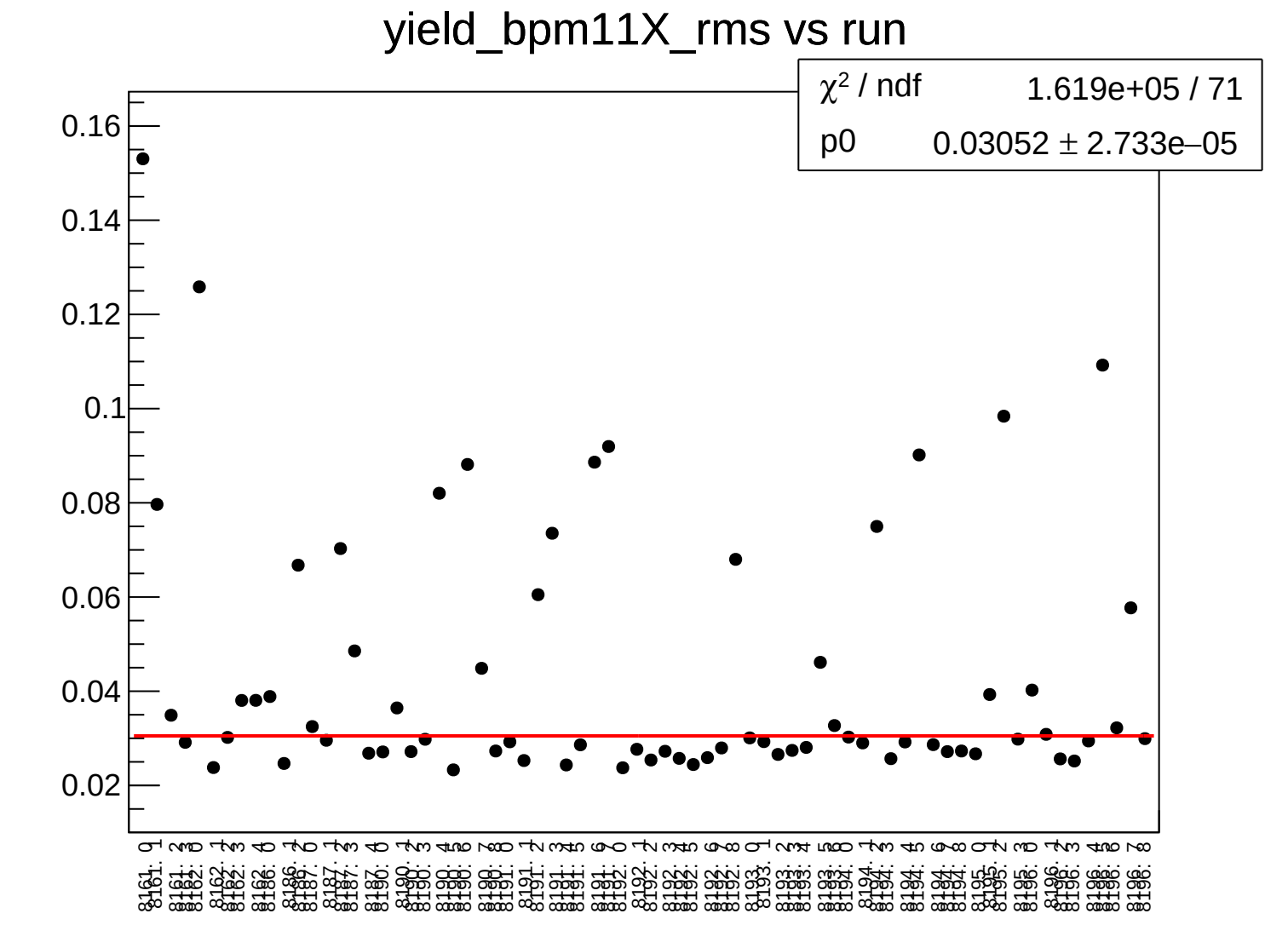

yield_bpm1Y_mean vs run
χ² / ndf 8.682e+08 / 71
p0 2.166 ± 2.282e−05
pull
Entries 72
Mean 107
Std Dev 77.19

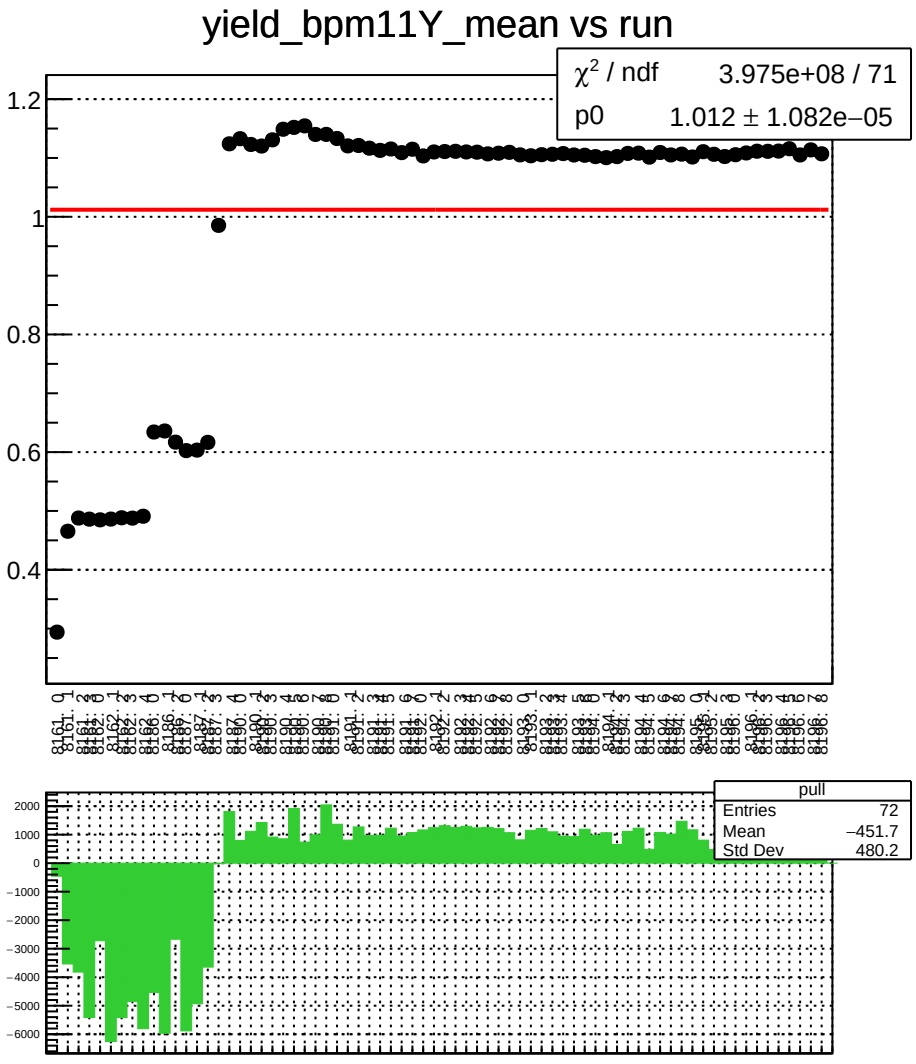

pull1D
Entries 72
Mean 0
Std Dev 0

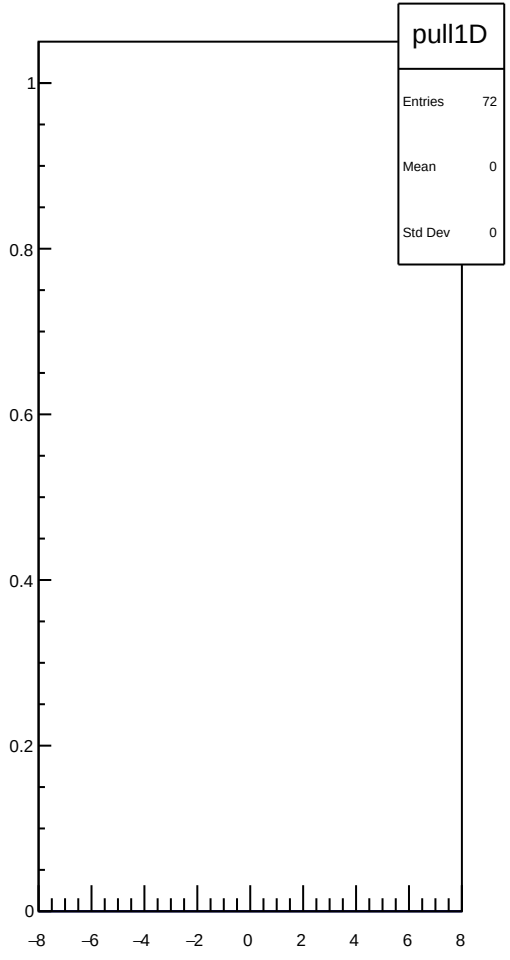

yield_bpm1Y_rms vs run
χ² / ndf 1.456e+05 / 71
p0 0.01814 ± 1.614e−05
0.06
0.05
0.04
0.03
0.02
0.01

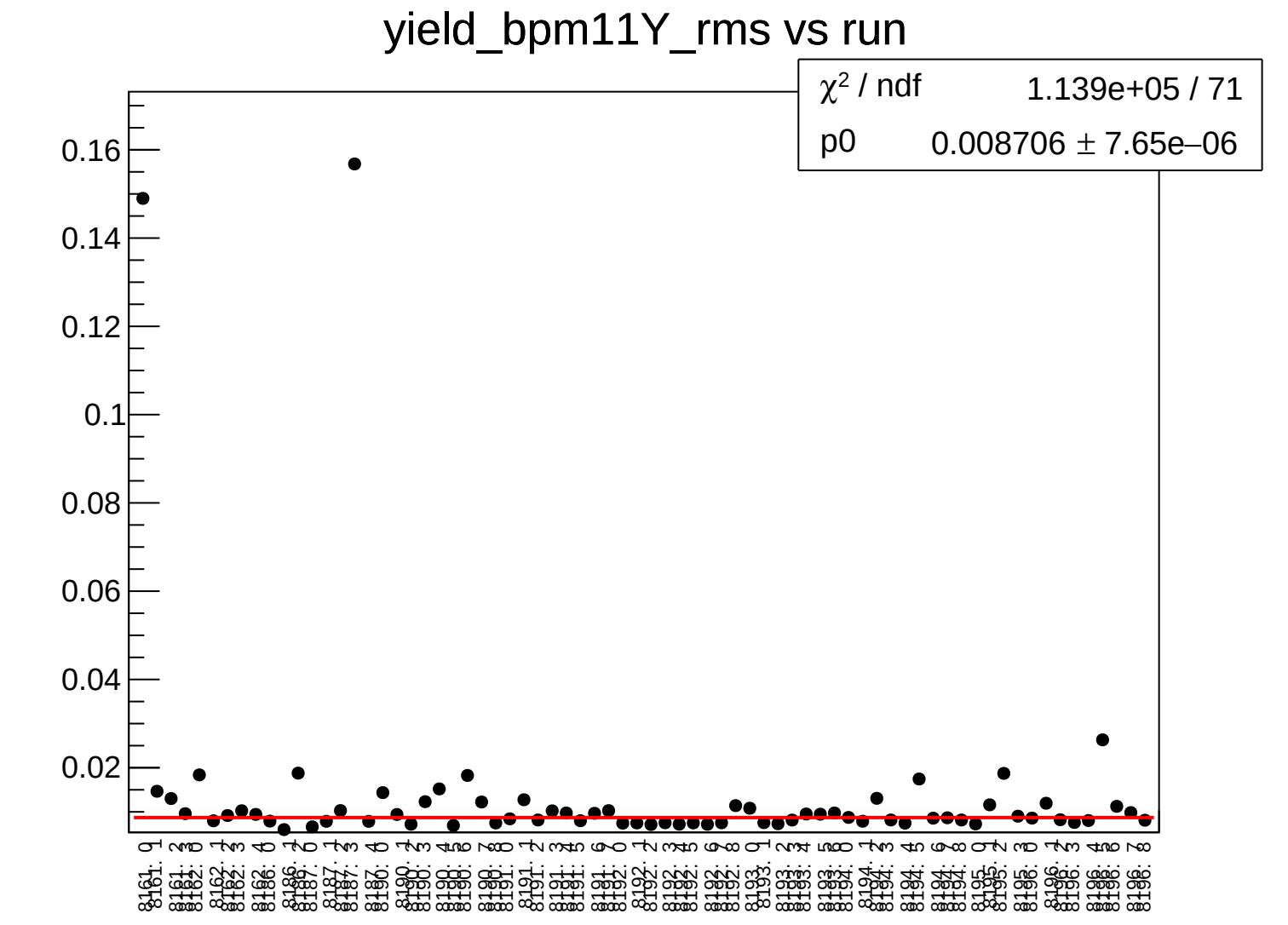

yield_bpm11X_mean vs run
χ² / ndf 7.97e+06 / 71
p0 1.006 ± 3.865e−05
pull
Entries 72
Mean −133.5
Std Dev 155.2

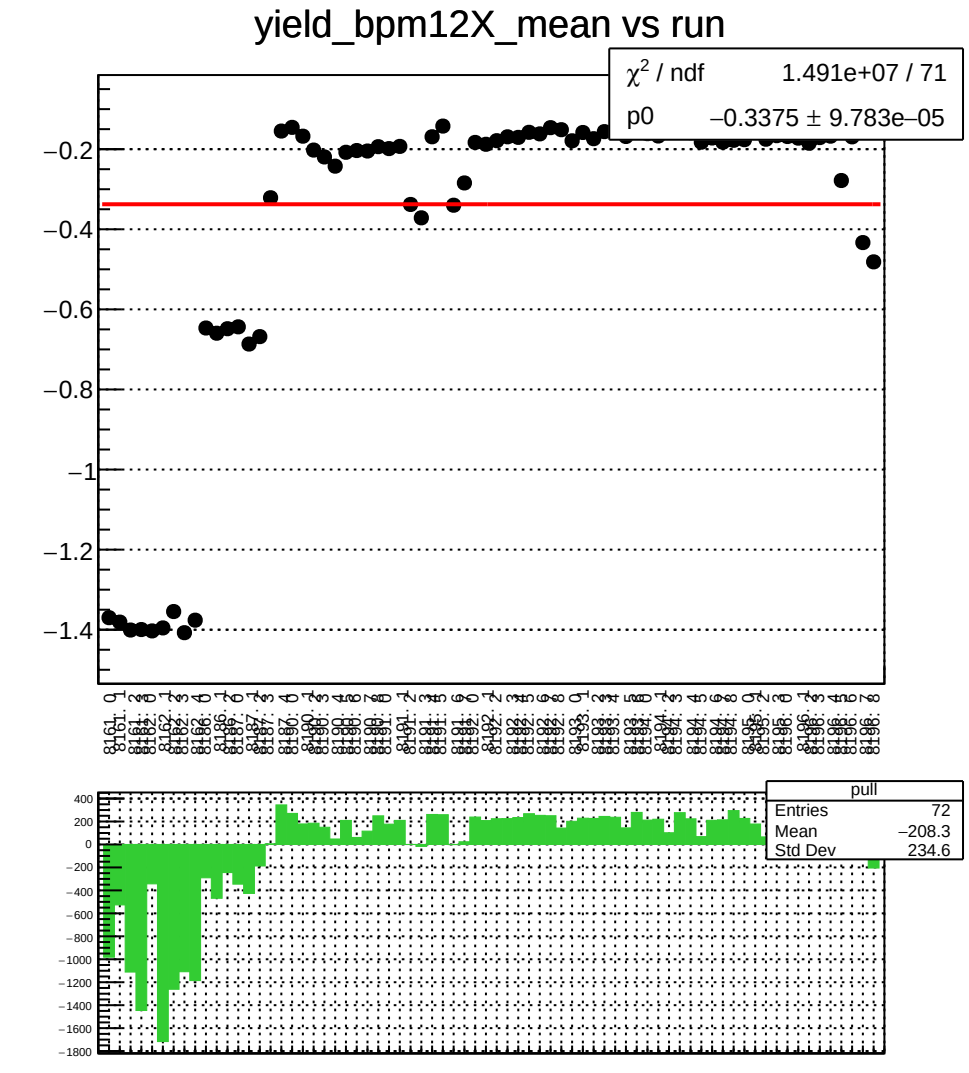

pull1D
Entries 72
Mean 2.559
Std Dev 4.169

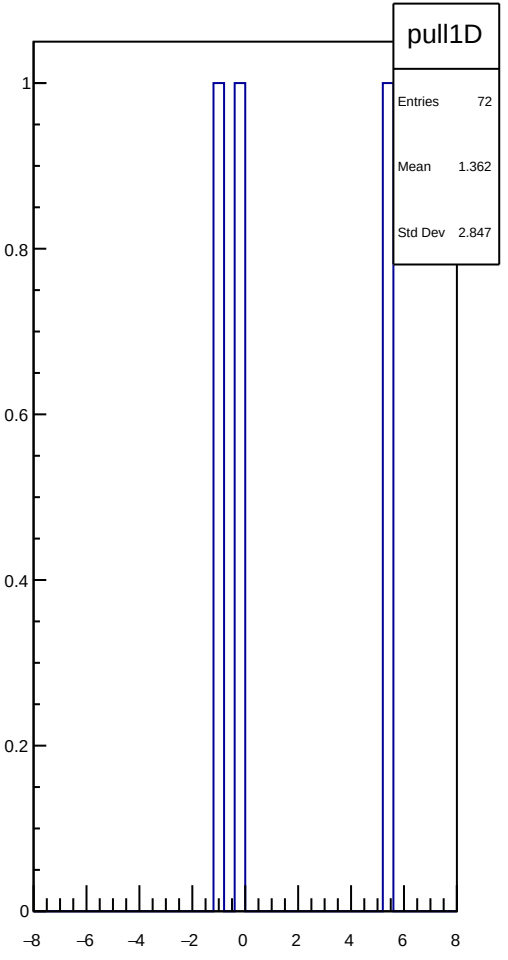

yield_bpm11X_rms vs run
χ² / ndf 1.619e+05 / 71
p0 0.03052 ± 2.733e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

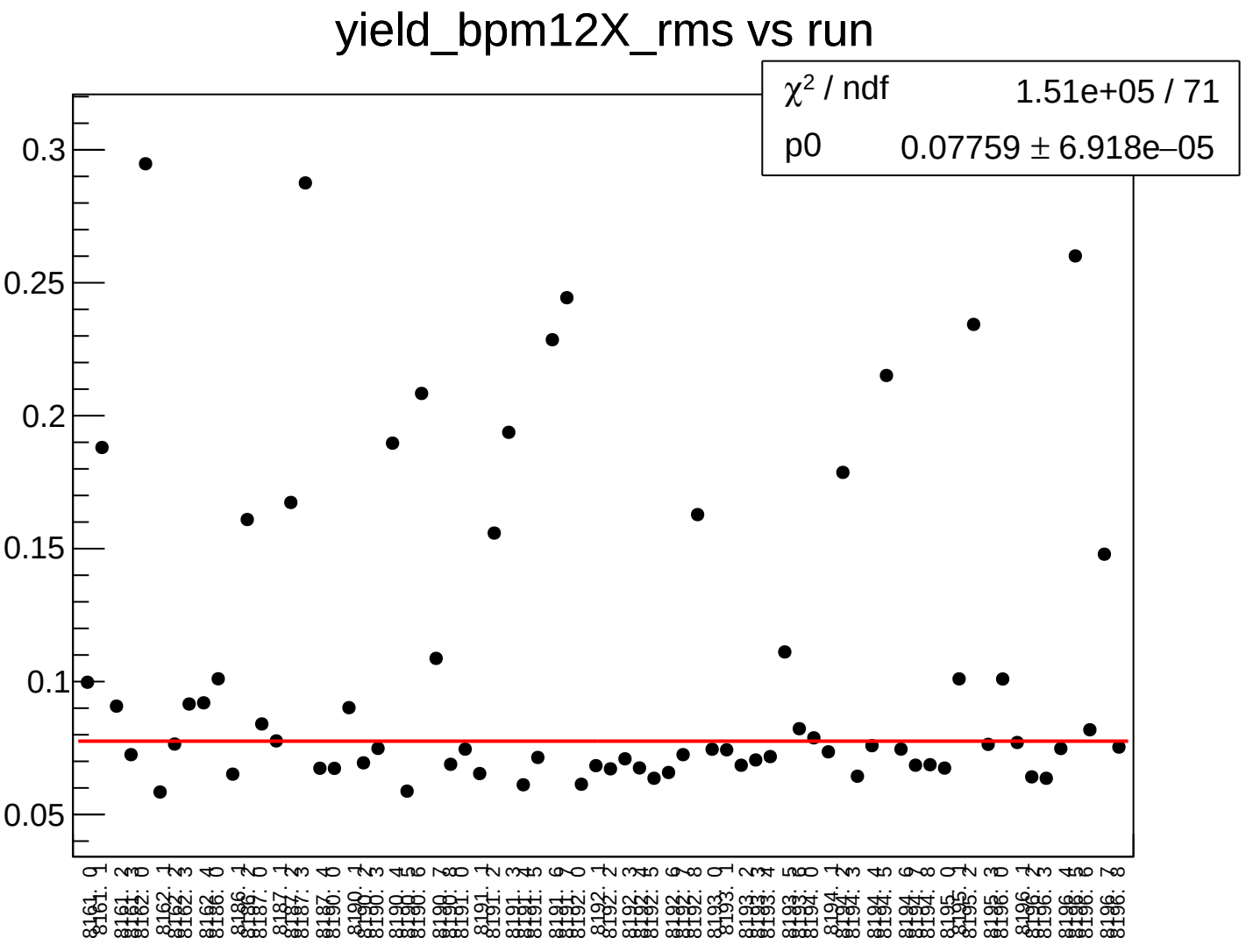

yield_bpm11Y_mean vs run
χ² / ndf 3.975e+08 / 71
p0 1.012 ± 1.082e−05
pull
Entries 72
Mean −451.7
Std Dev 480.2

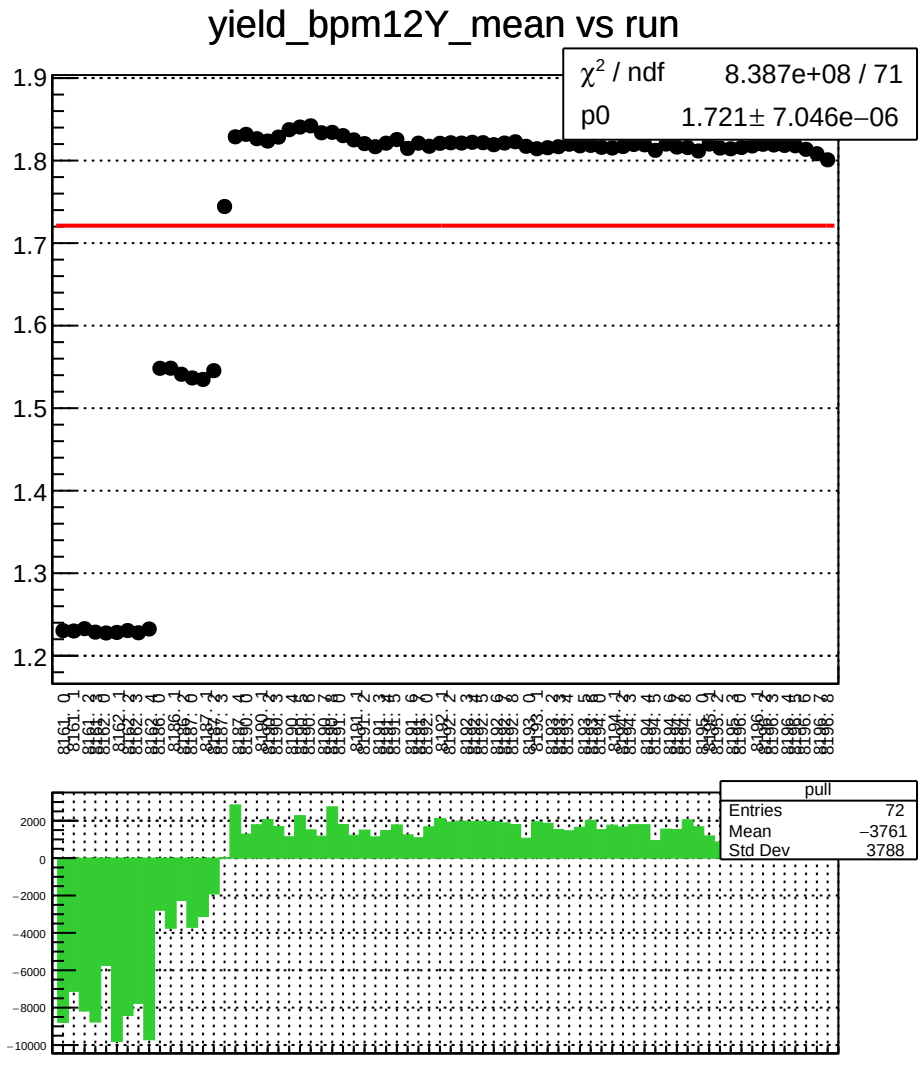

pull1D
Entries 72
Mean 0
Std Dev 0

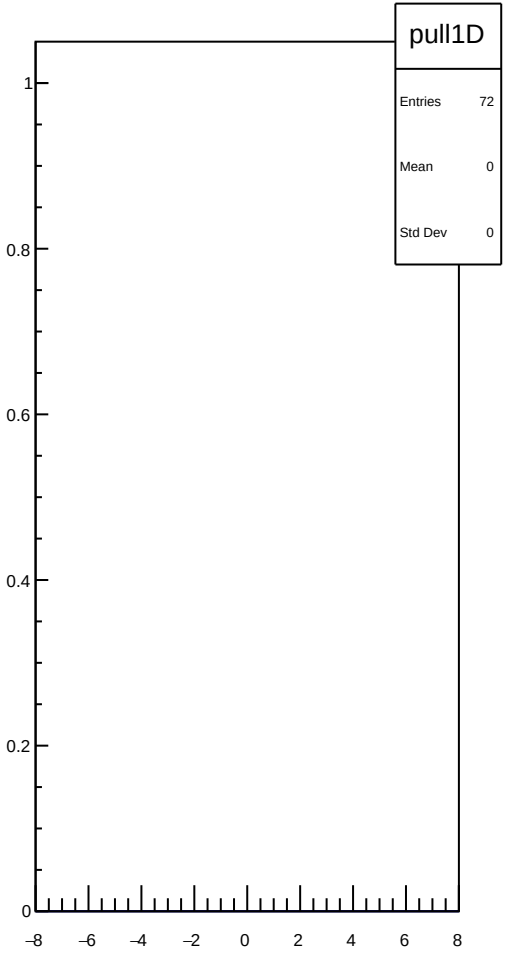

yield_bpm11Y_rms vs run
χ² / ndf 1.139e+05 / 71
p0 0.008706 ± 7.65e−06
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02


yield_bpm12X_mean vs run
χ² / ndf 1.491e+07 / 71
p0 −0.3375 ± 9.783e−05
pull
Entries 72
Mean −208.3
Std Dev 234.6

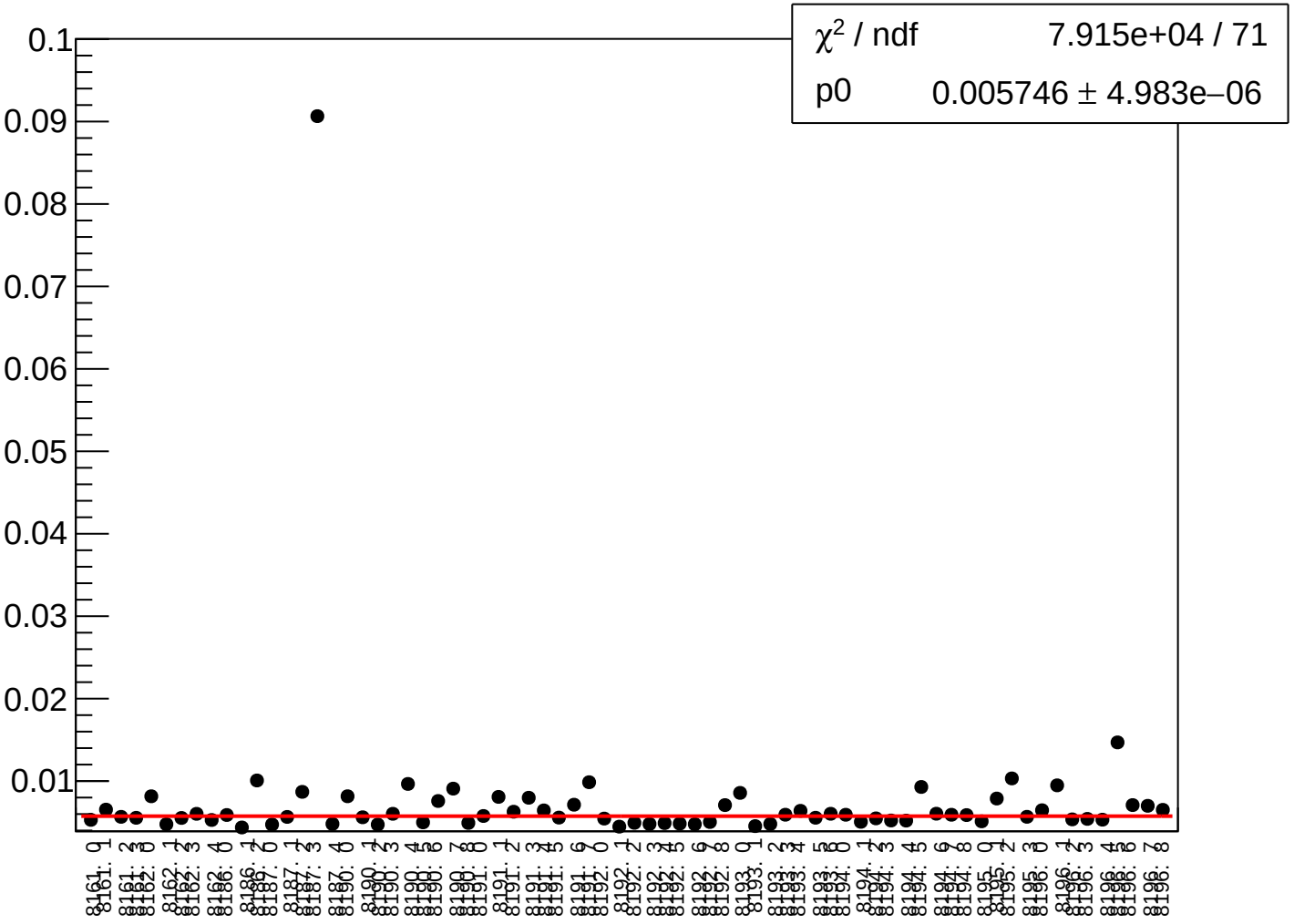

pull1D
Entries 72
Mean 1.362
Std Dev 2.847

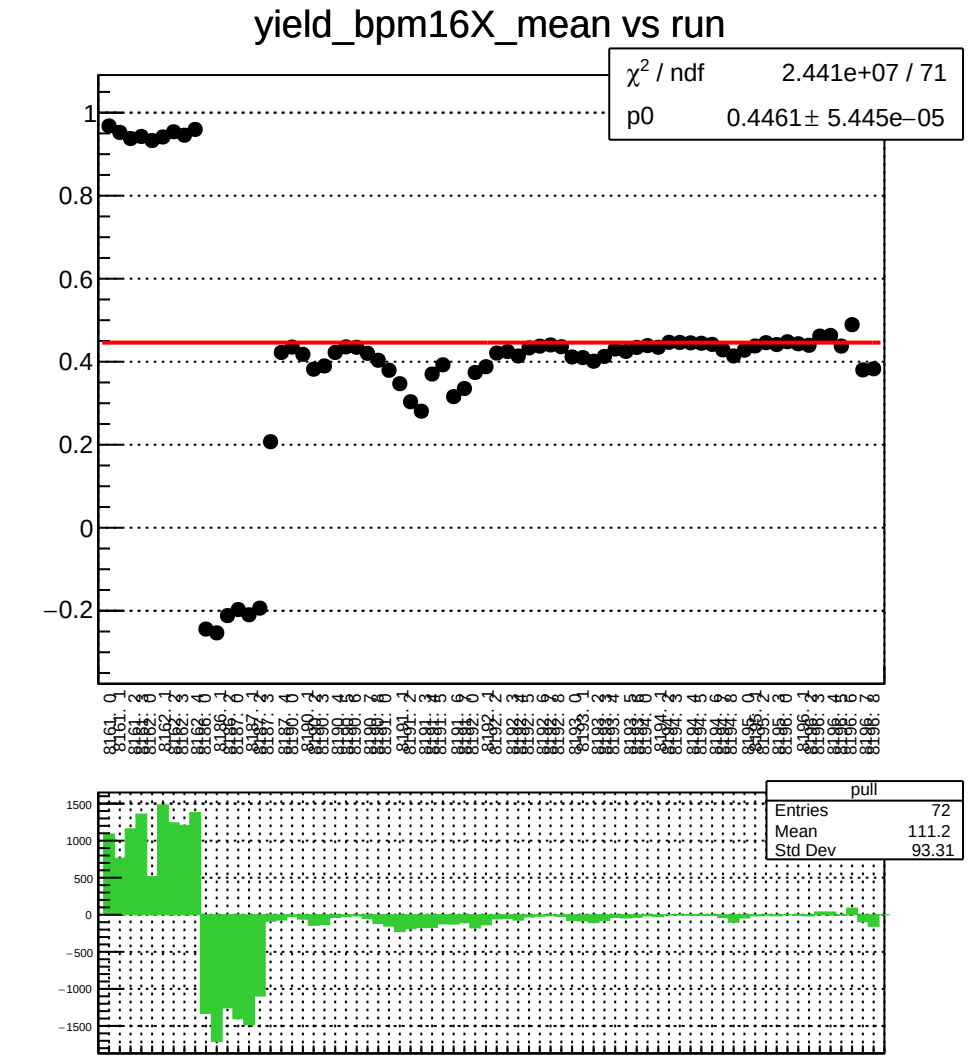

yield_bpm12X_rms vs run
χ² / ndf 1.51e+05 / 71
p0 0.07759 ± 6.918e−05
0.3
0.25
0.2
0.15
0.1
0.05

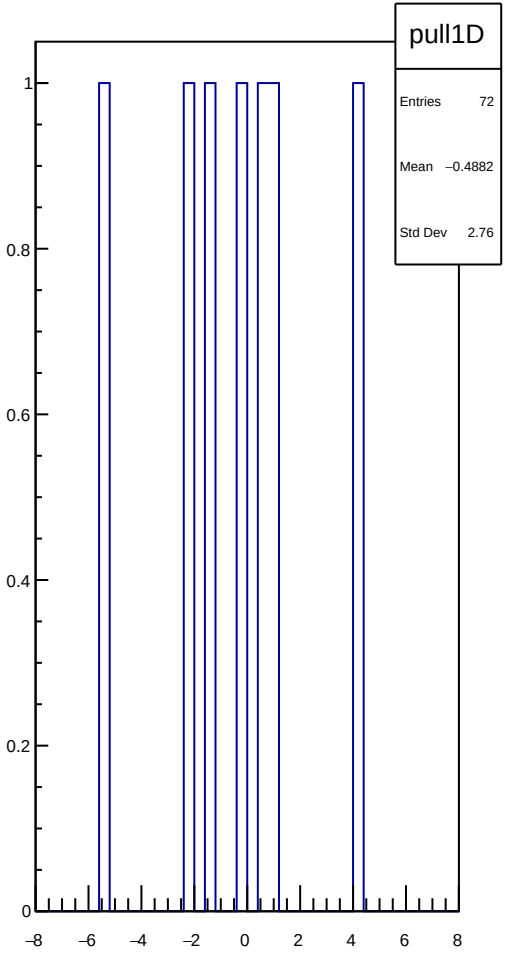

yield_bpm12Y_mean vs run
χ² / ndf 8.387e+08 / 71
p0 1.721± 7.046e−06
pull
Entries 72
Mean −3761
Std Dev 3788

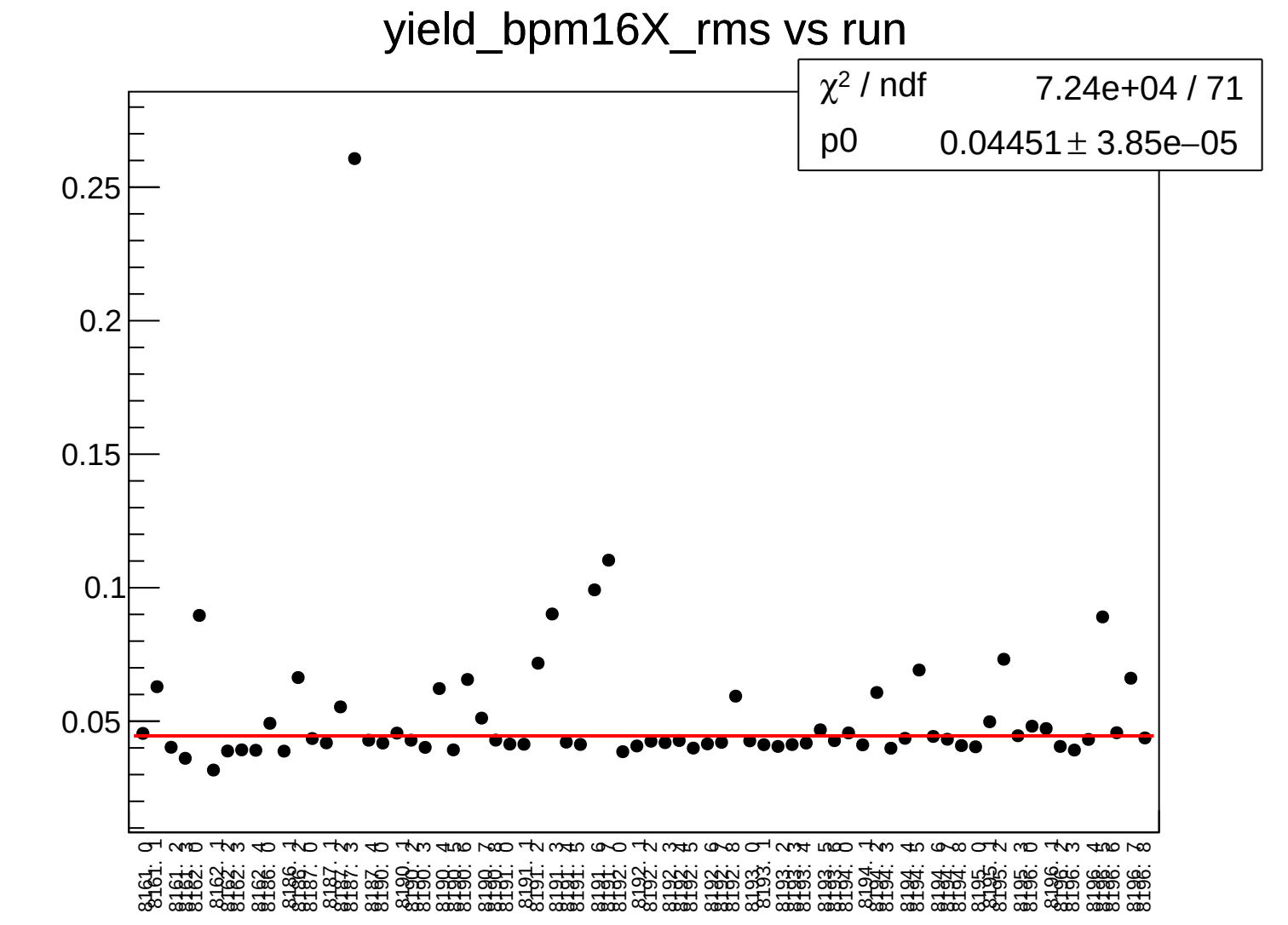

pull1D
Entries 72
Mean 0
Std Dev 0

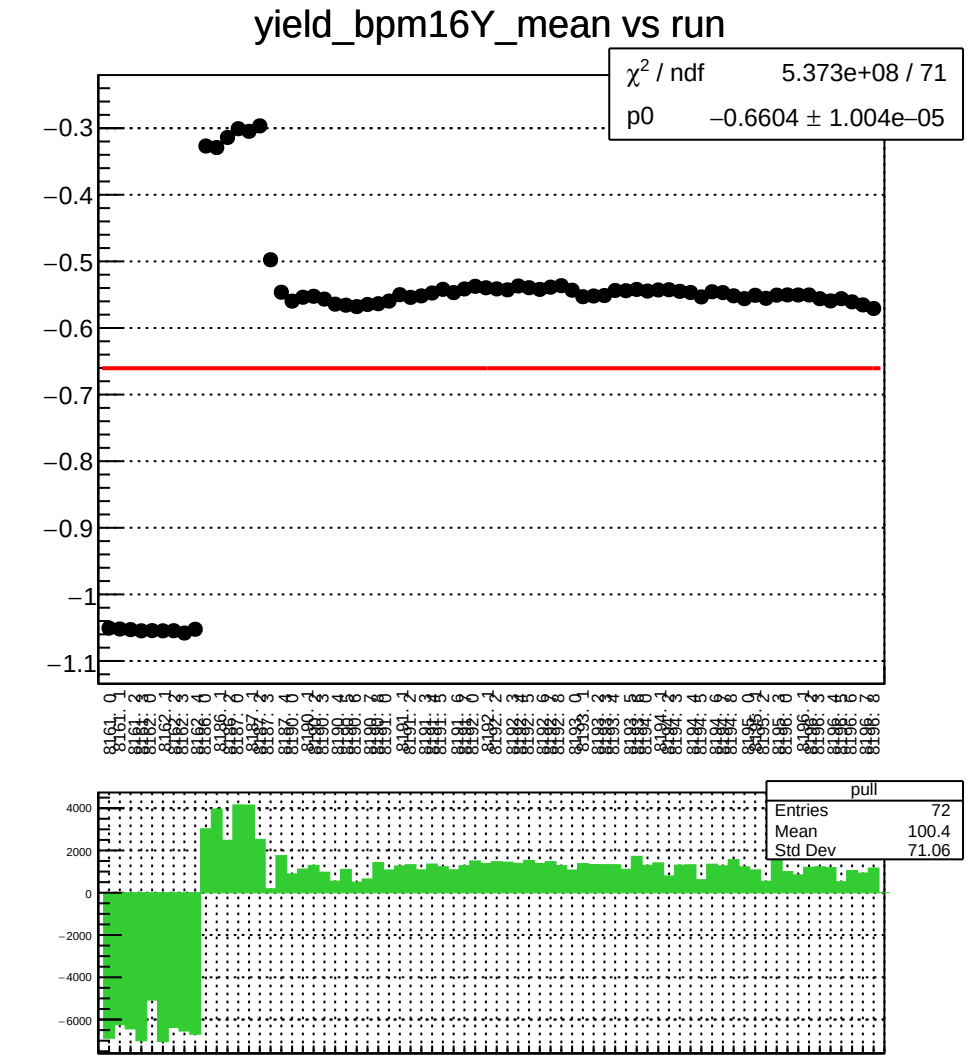
yield_bpm12Y_rms vs run

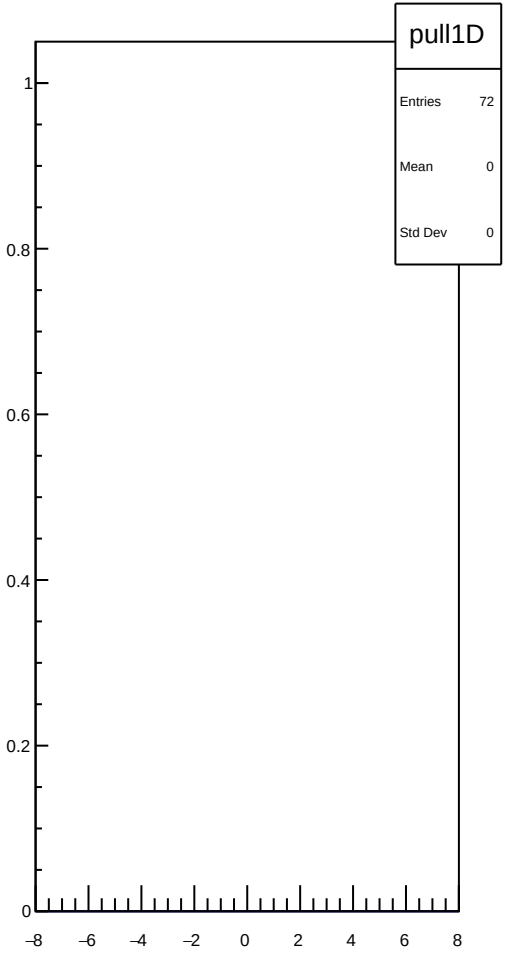


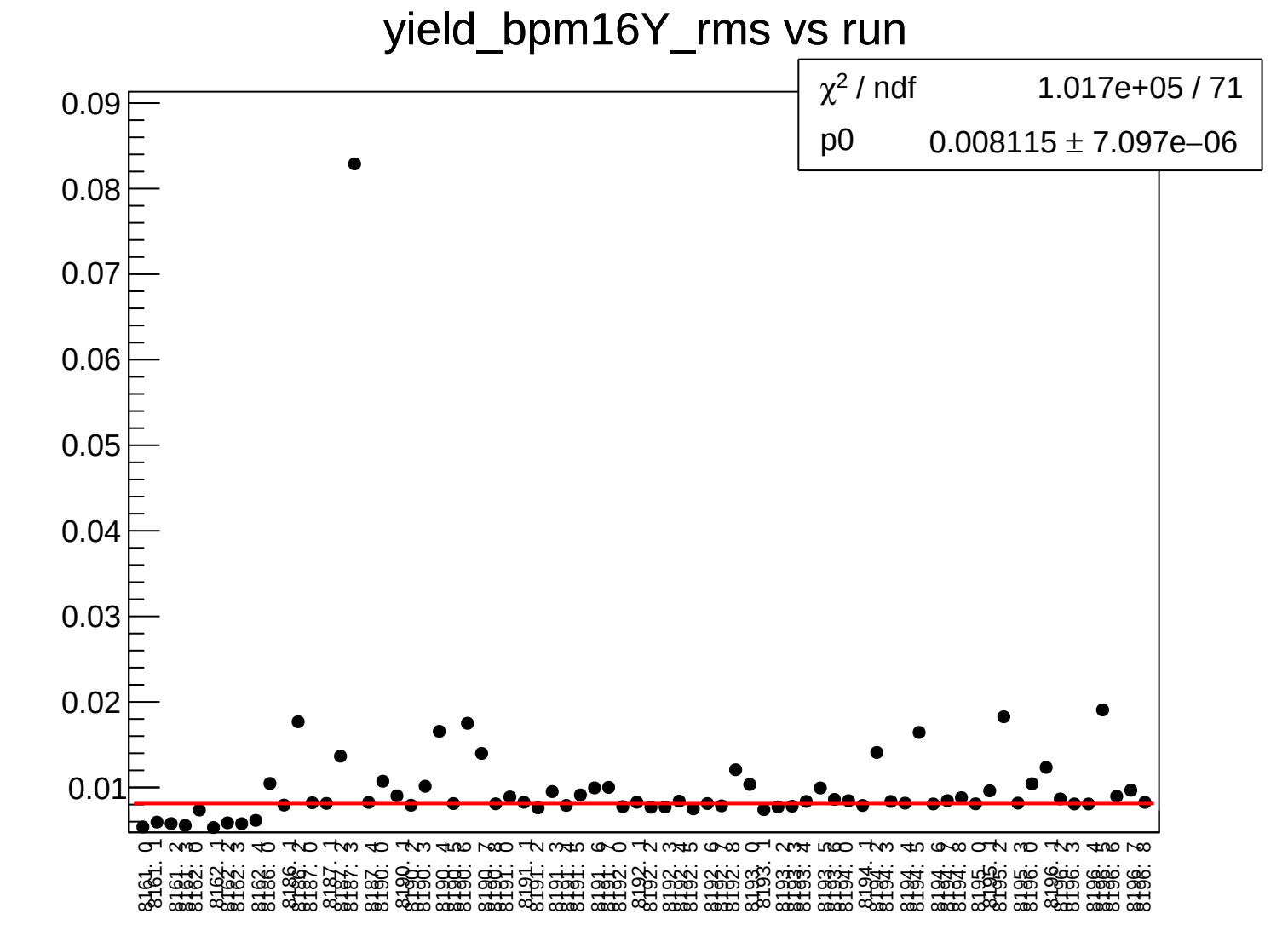

yield_bpm16X_mean vs run
χ² / ndf 2.441e+07 / 71
p0 0.4461 ± 5.445e−05
pull
Entries 72
Mean 111.2
Std Dev 93.31

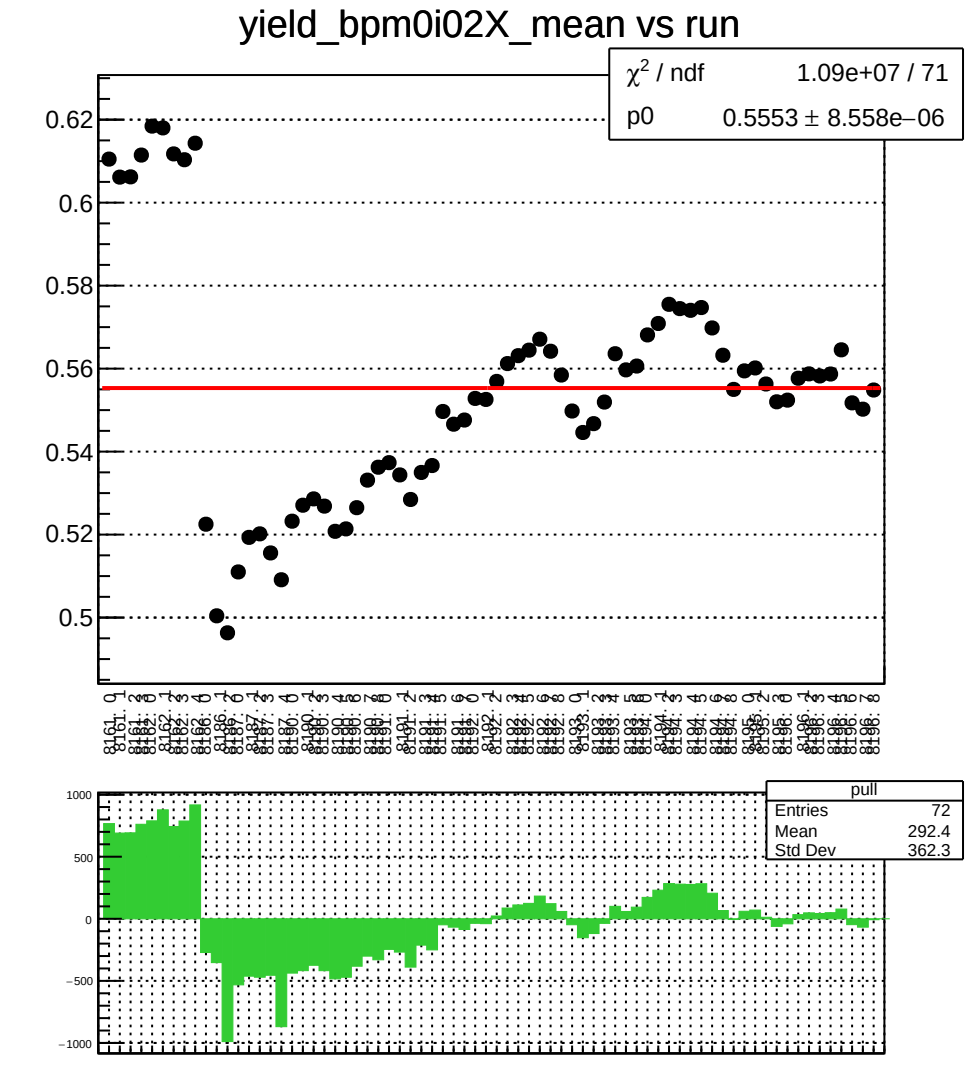

pull1D
Entries 72
Mean −0.4882
Std Dev 2.76

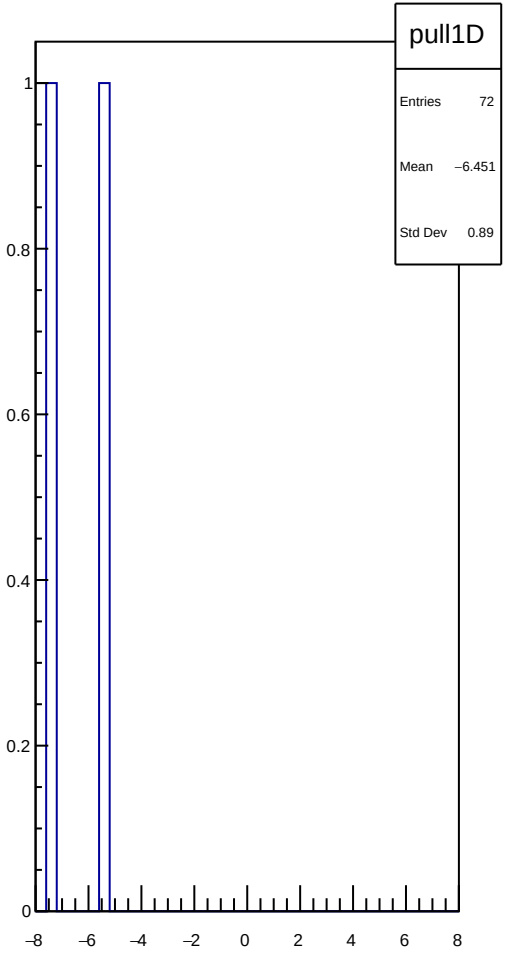

yield_bpm16X_rms vs run
χ² / ndf 7.24e+04 / 71
p0 0.04451 ± 3.85e−05
0.25
0.2
0.15
0.1
0.05


yield_bpm16Y_mean vs run
χ² / ndf 5.373e+08 / 71
p0 −0.6604 ± 1.004e−05
pull
Entries 72
Mean 100.4
Std Dev 71.06

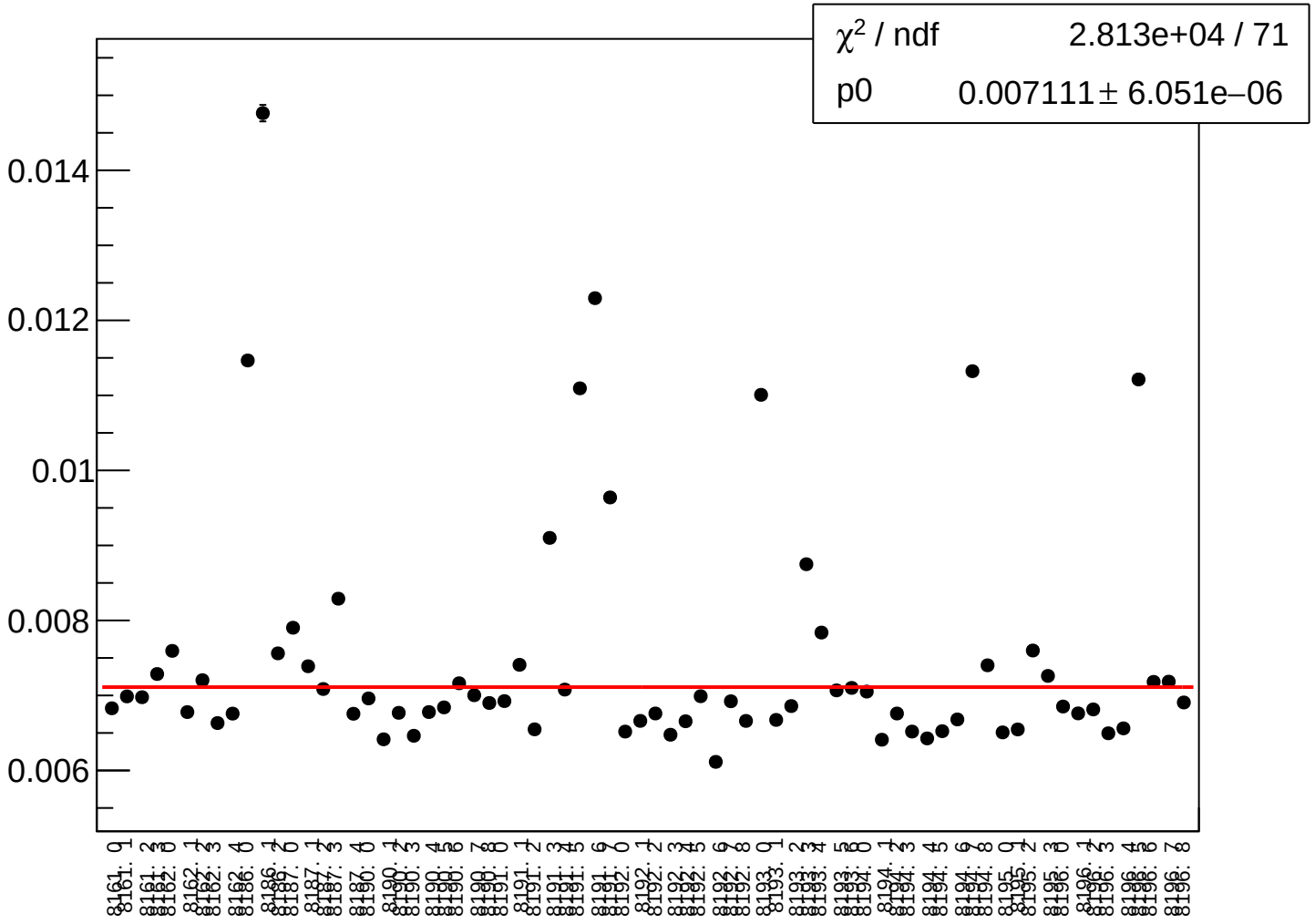

pull1D
Entries 72
Mean 0
Std Dev 0

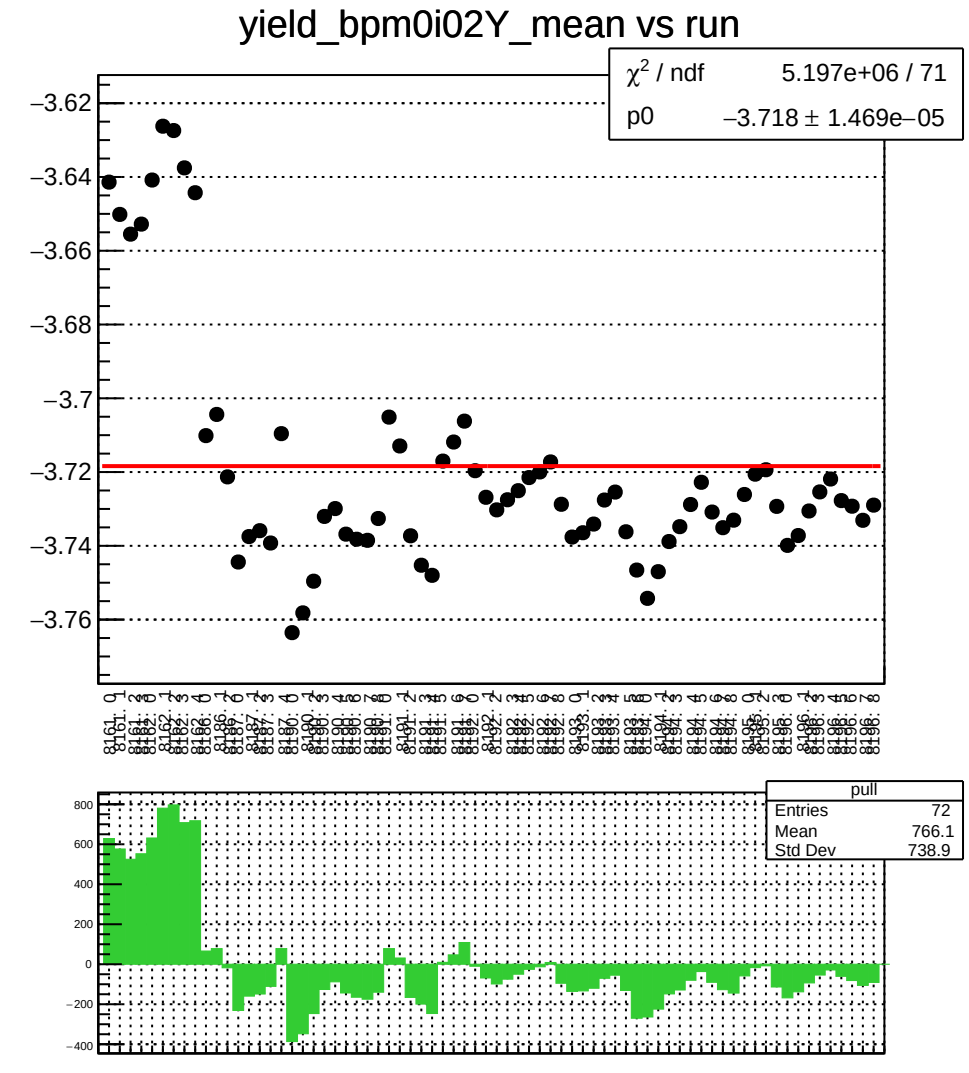

yield_bpm16Y_rms vs run
χ² / ndf 1.017e+05 / 71
p0 0.008115 ± 7.097e−06
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

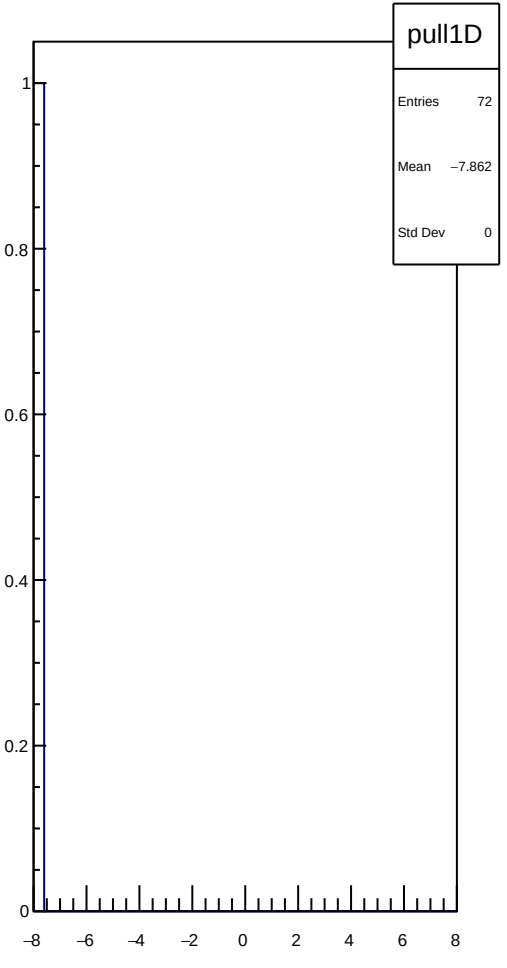

yield_bpm0i02X_mean vs run
χ² / ndf 1.09e+07 / 71
p0 0.5553 ± 8.558e−06
0.62
0.6
0.58
0.56
0.54
0.52
0.5
pull
Entries 72
Mean 292.4
Std Dev 362.3
1000
500
0
−500
−1000

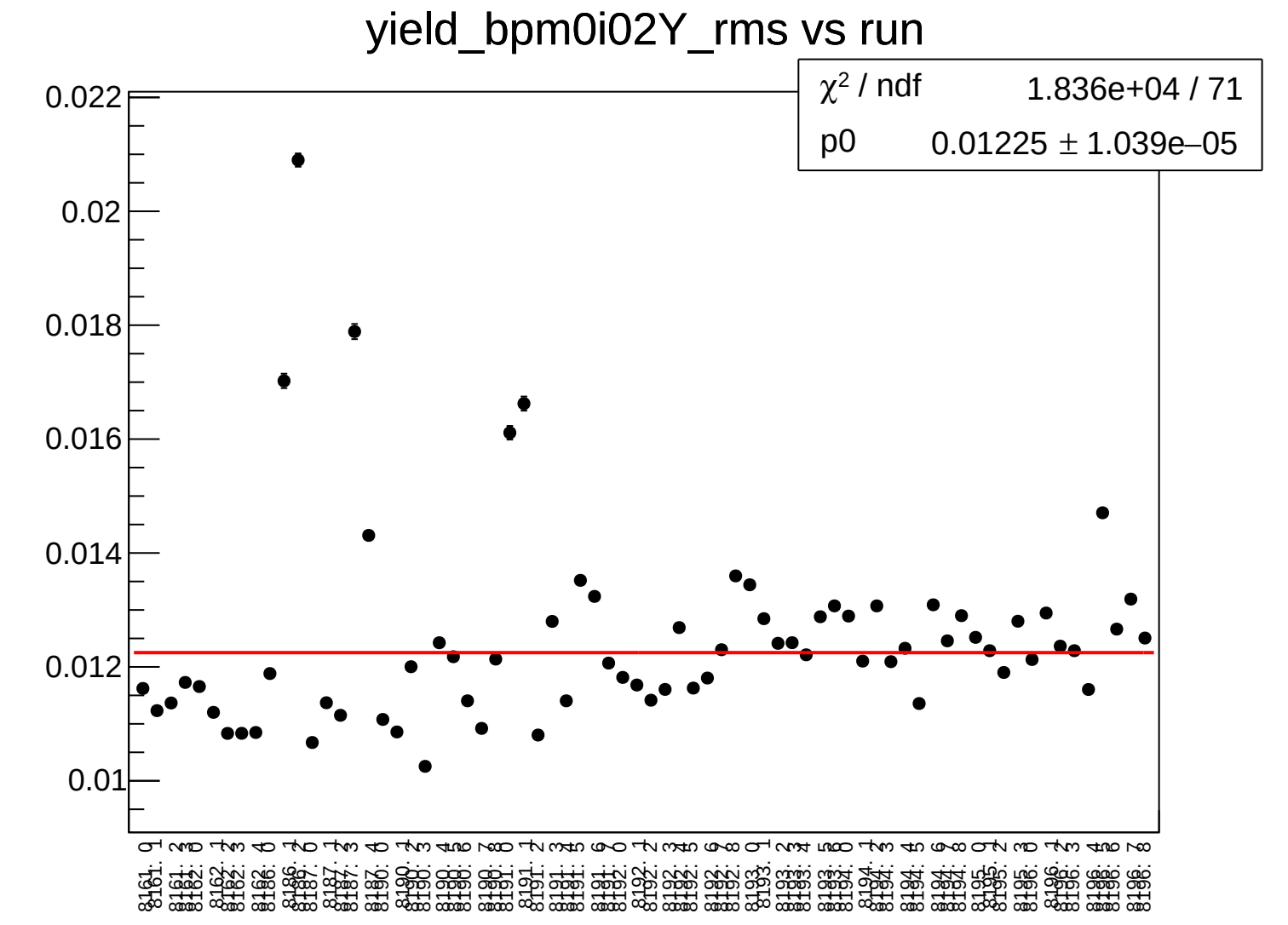

pull1D
Entries 72
Mean −6.451
Std Dev 0.89
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

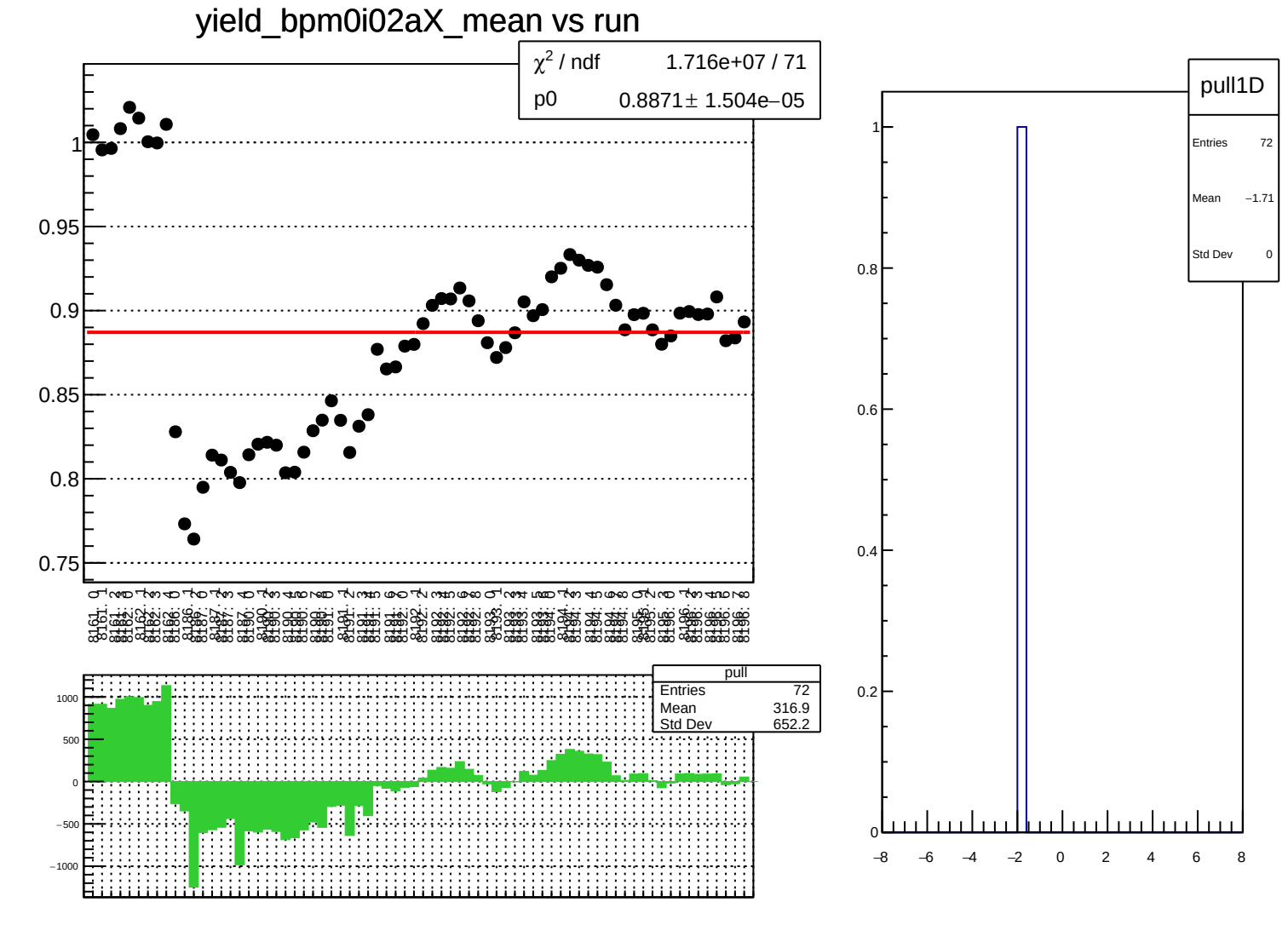
yield_bpm0i02X_rms vs run

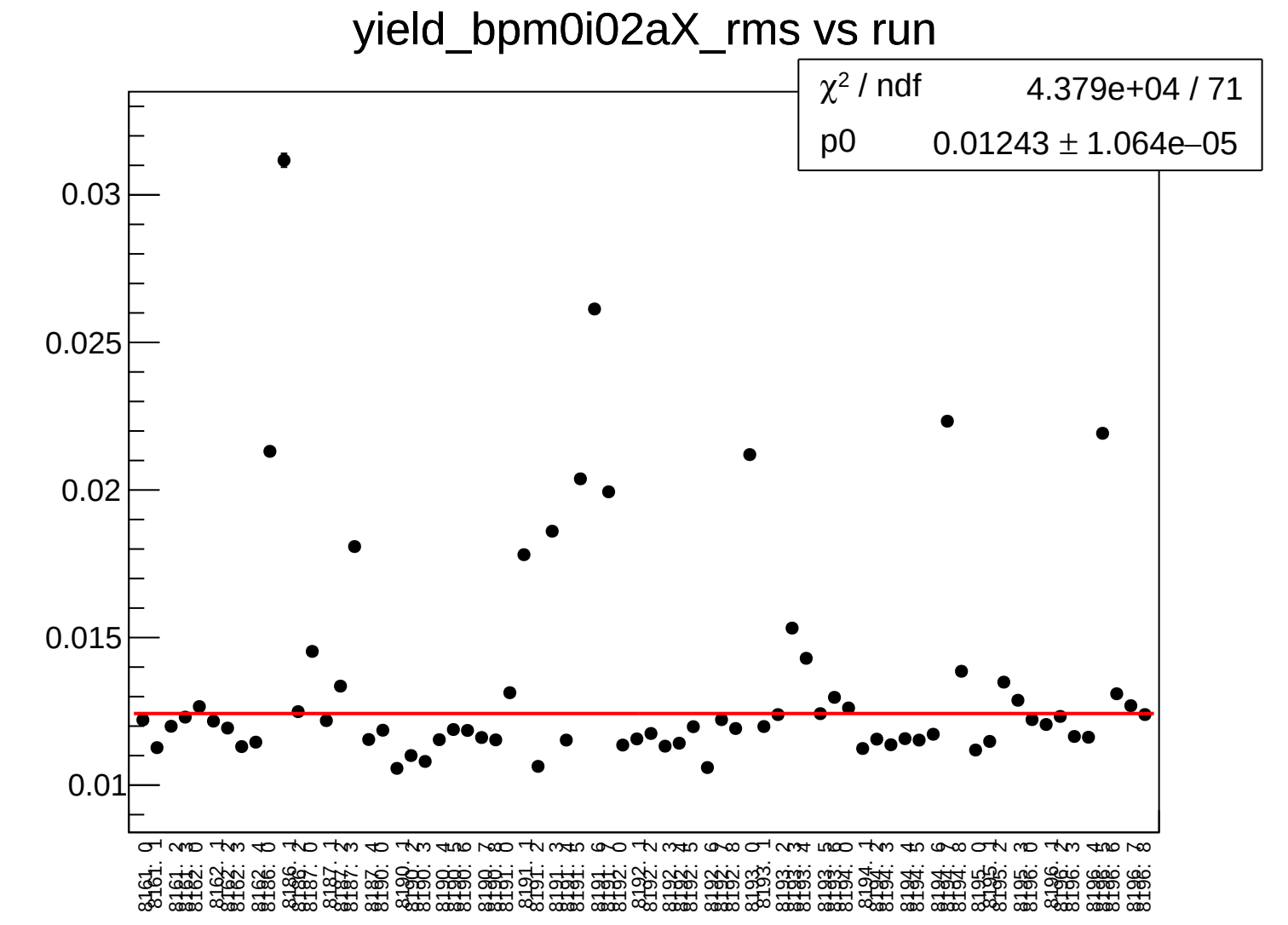


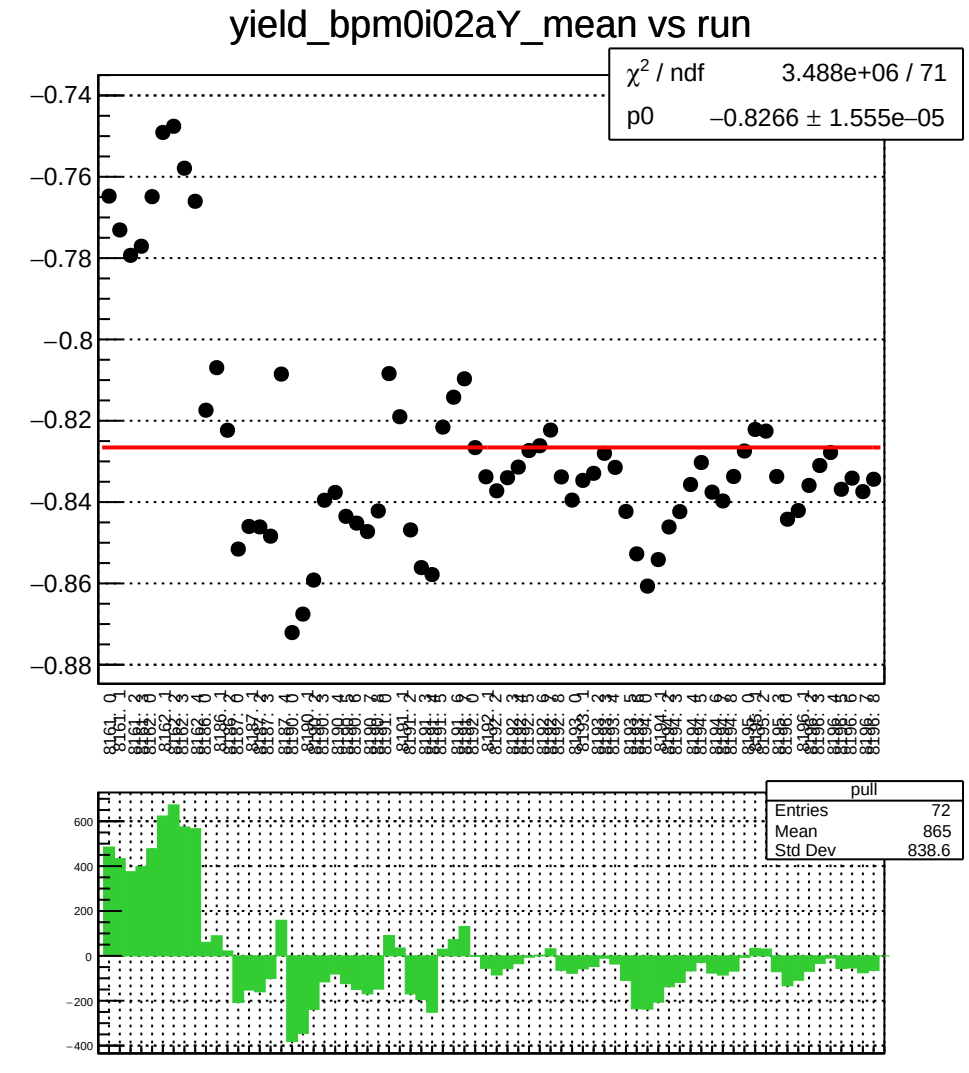

yield_bpm0i02Y_mean vs run
χ² / ndf 5.197e+06 / 71
p0 −3.718 ± 1.469e−05
−3.62
−3.64
−3.66
−3.68
−3.7
−3.72
−3.74
−3.76
pull
Entries 72
Mean 766.1
Std Dev 738.9
800
600
400
200
0
−200
−400

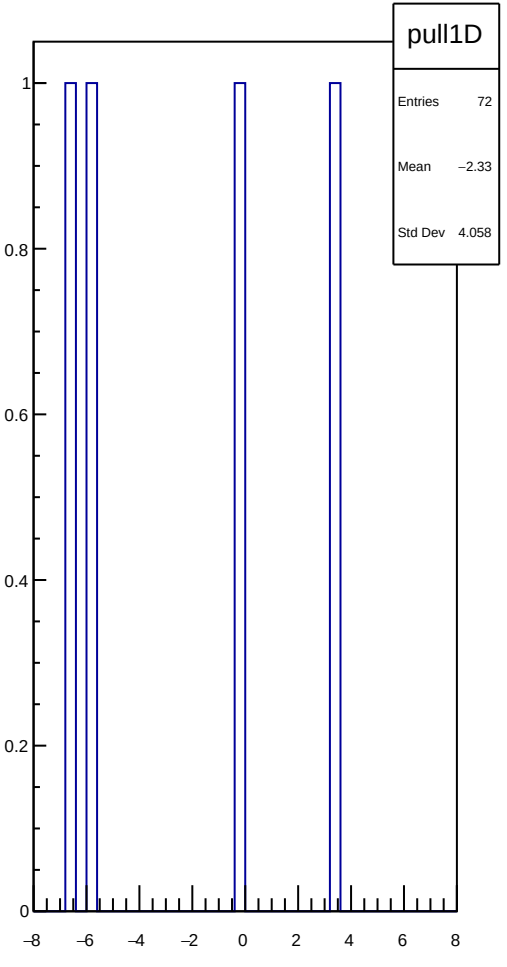

pull1D
Entries 72
Mean −7.862
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

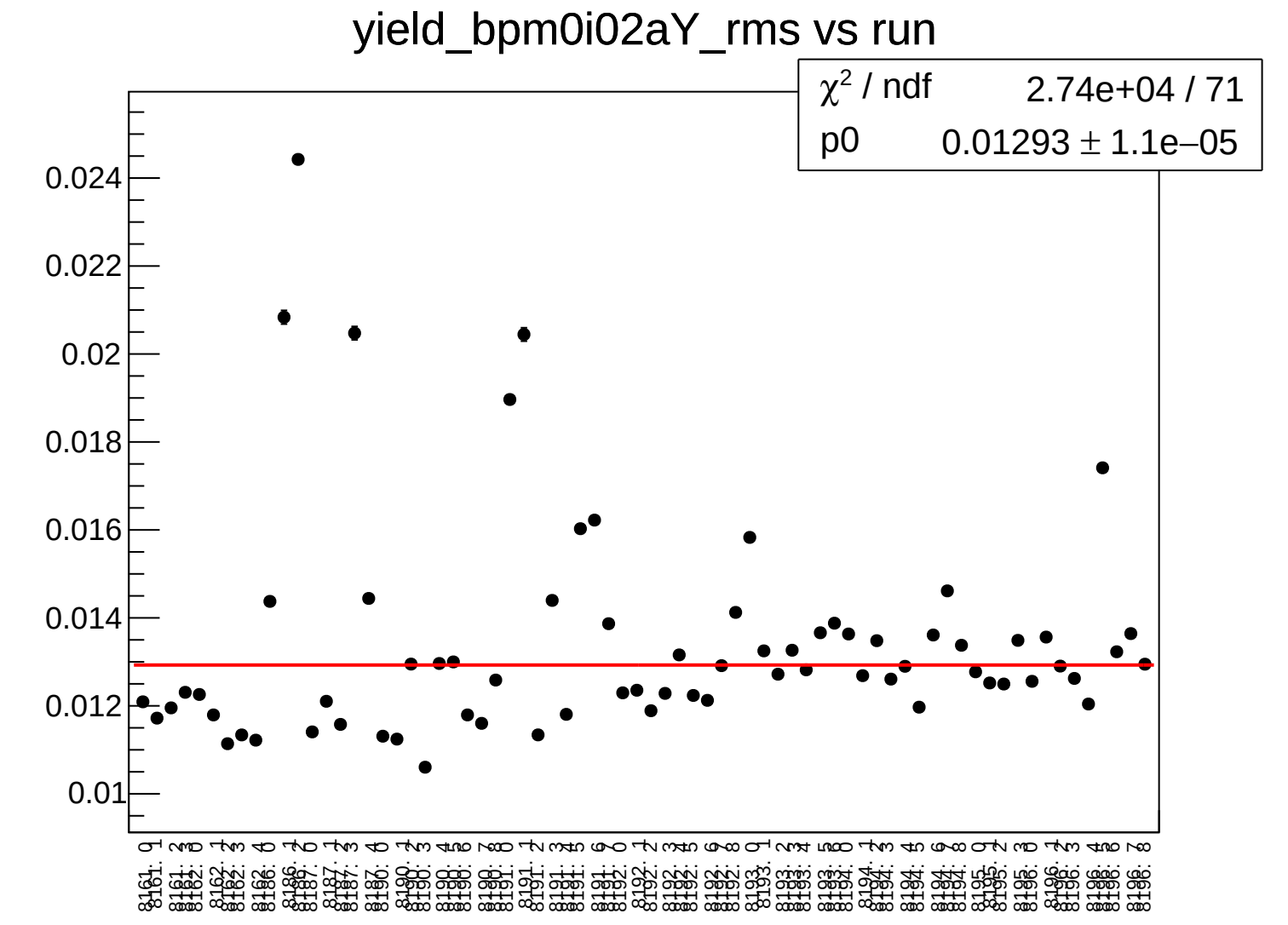

yield_bpm0i02Y_rms vs run
χ² / ndf 1.836e+04 / 71
p0 0.01225 ± 1.039e–05
0.022
0.02
0.018
0.016
0.014
0.012
0.01

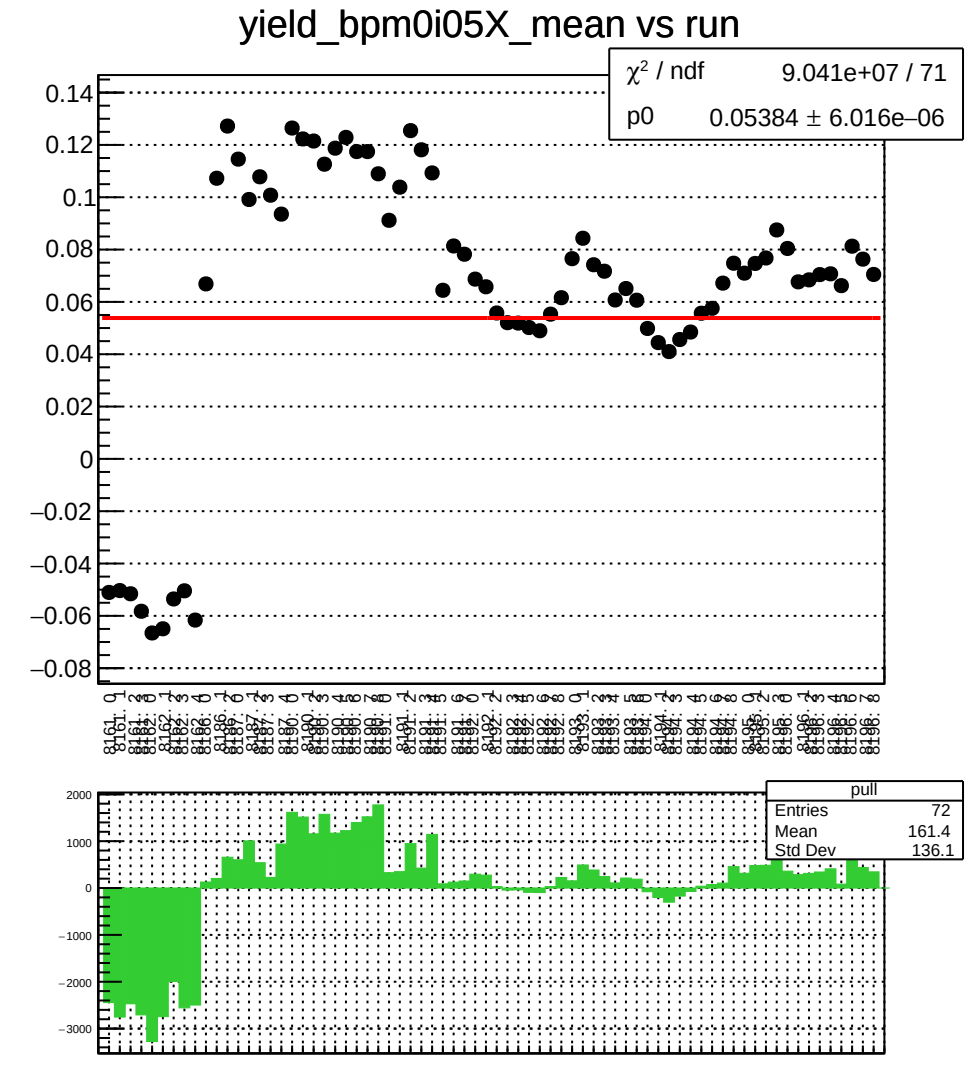

yield_bpm0i02aX_mean vs run
χ² / ndf 1.716e+07 / 71
p0 0.8871 ± 1.504e−05
pull
Entries 72
Mean 316.9
Std Dev 652.2
pull1D
Entries 72
Mean −1.71
Std Dev 0

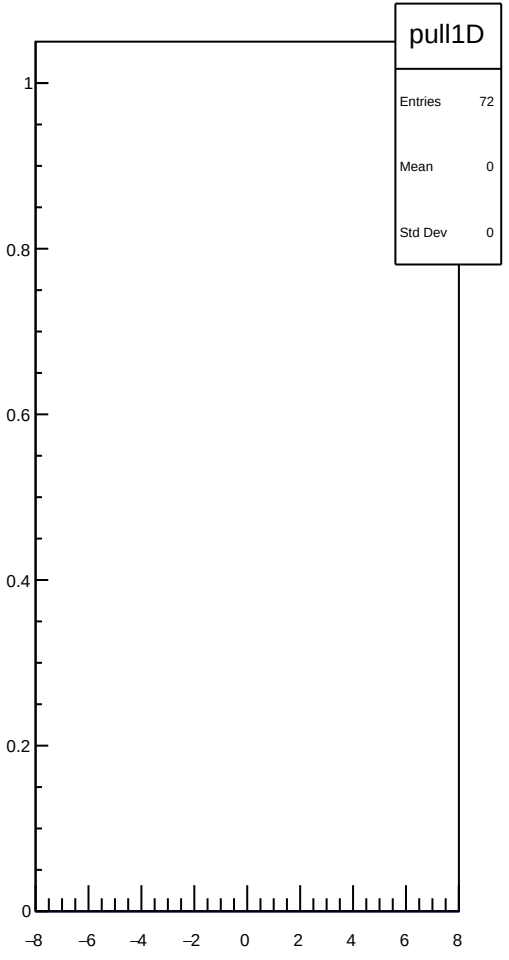

yield_bpm0i02aX_rms vs run
χ² / ndf 4.379e+04 / 71
p0 0.01243 ± 1.064e−05
0.03
0.025
0.02
0.015
0.01

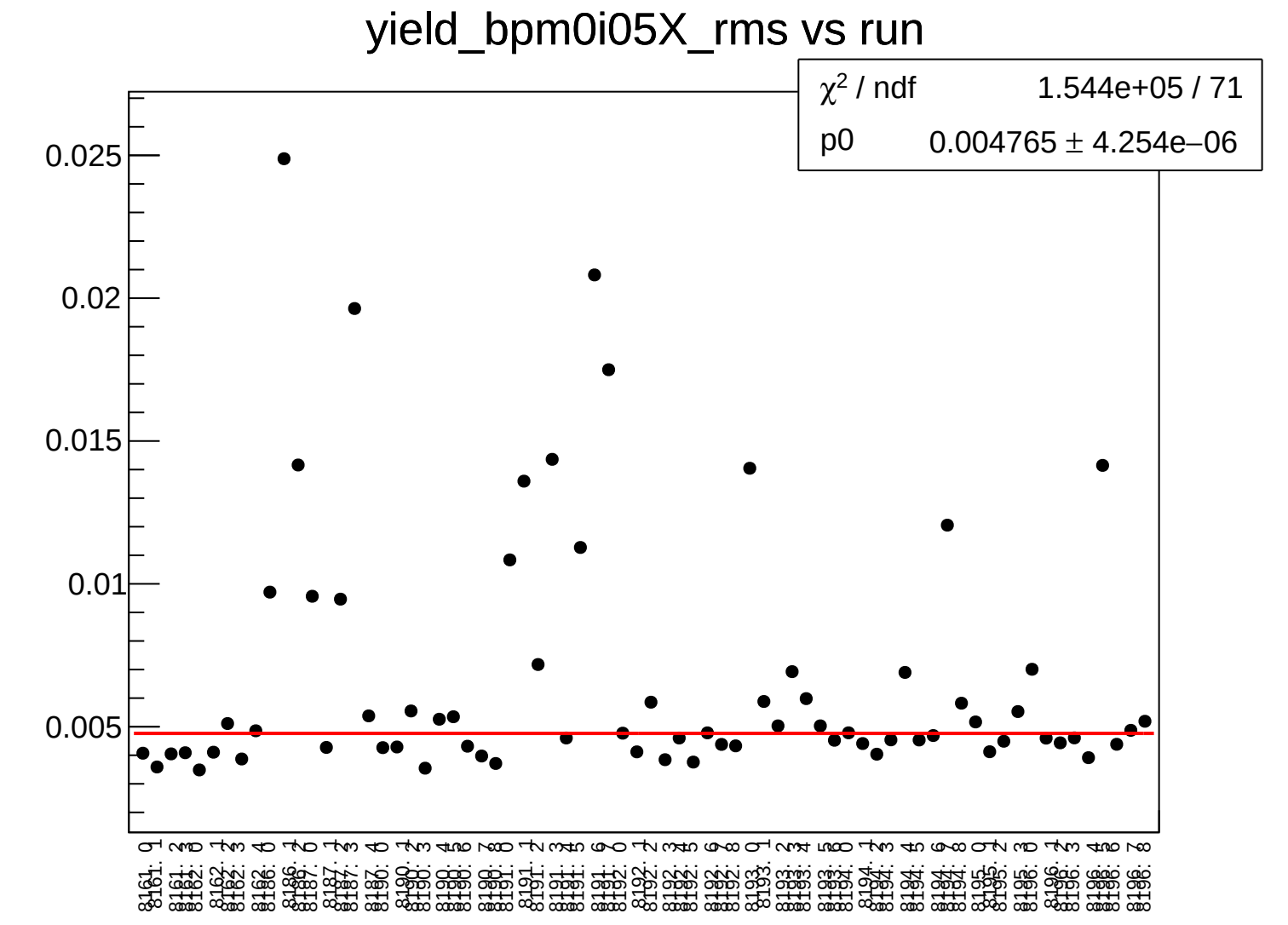

yield_bpm0i02aY_mean vs run
χ² / ndf 3.488e+06 / 71
p0 −0.8266 ± 1.555e−05
−0.74
−0.76
−0.78
−0.8
−0.82
−0.84
−0.86
−0.88
pull
Entries 72
Mean 865
Std Dev 838.6
600
400
200
0
−200
−400

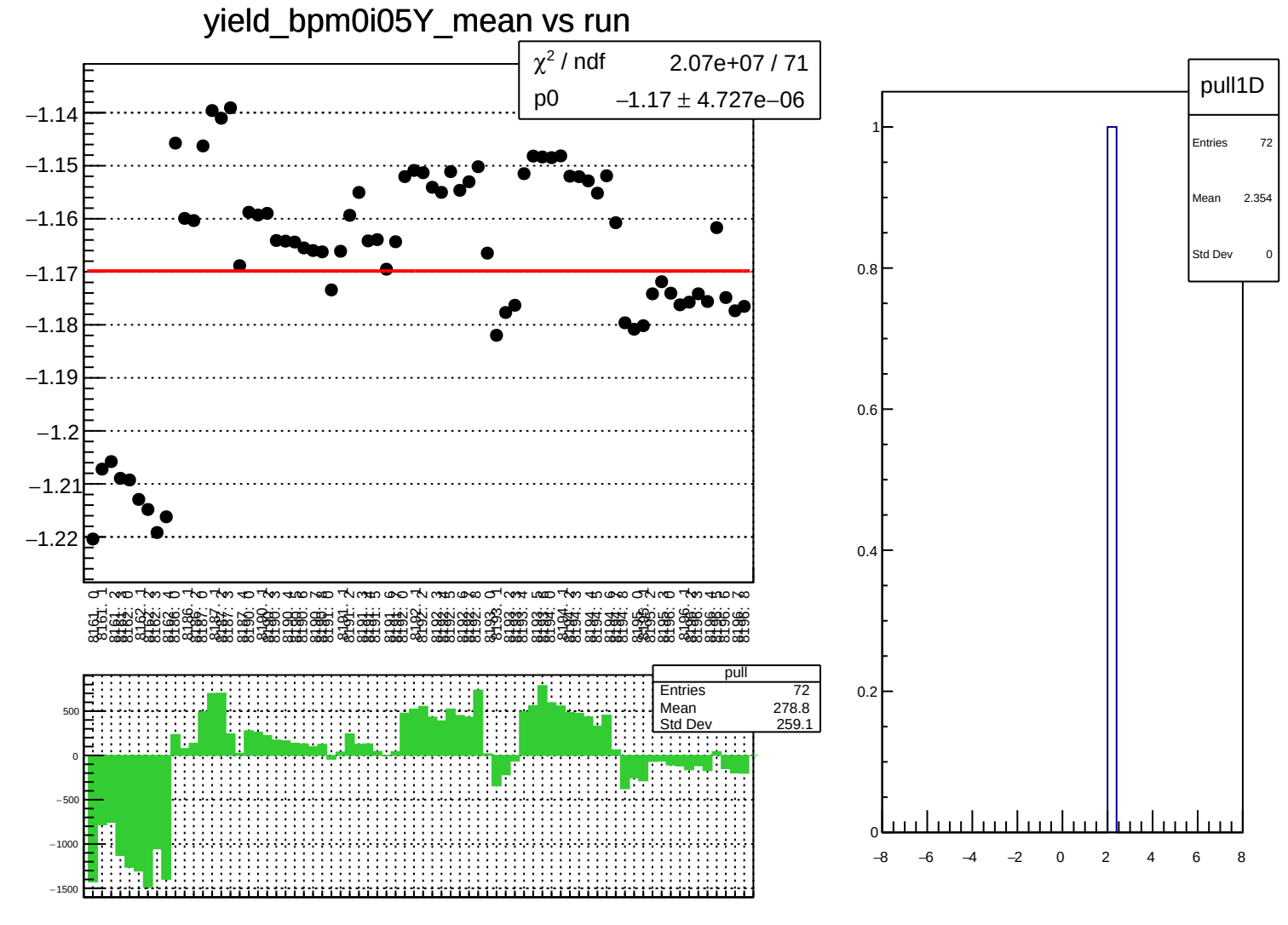

pull1D
Entries 72
Mean −2.33
Std Dev 4.058
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

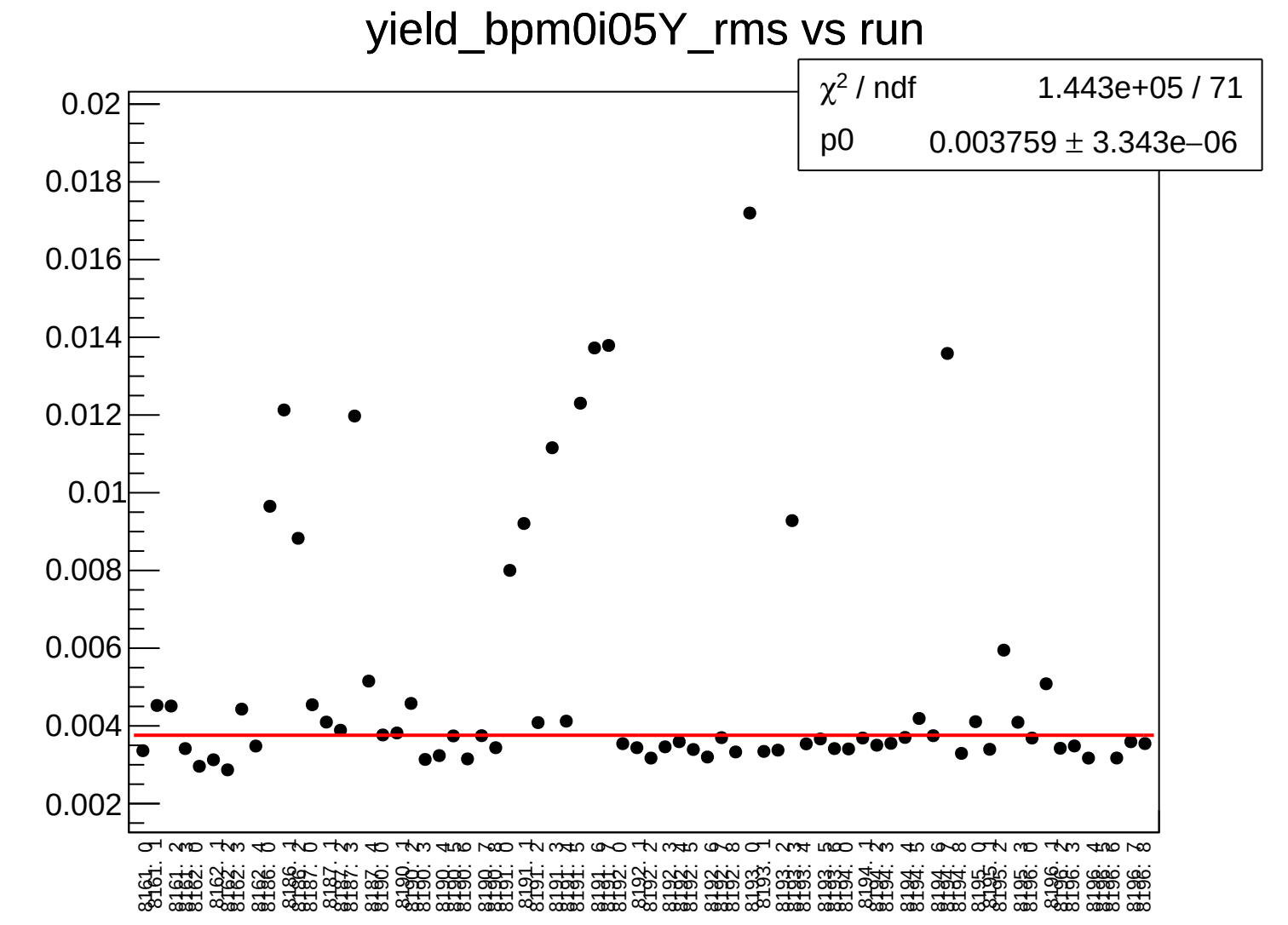

yield_bpm0i02aY_rms vs run
χ² / ndf 2.74e+04 / 71
p0 0.01293 ± 1.1e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

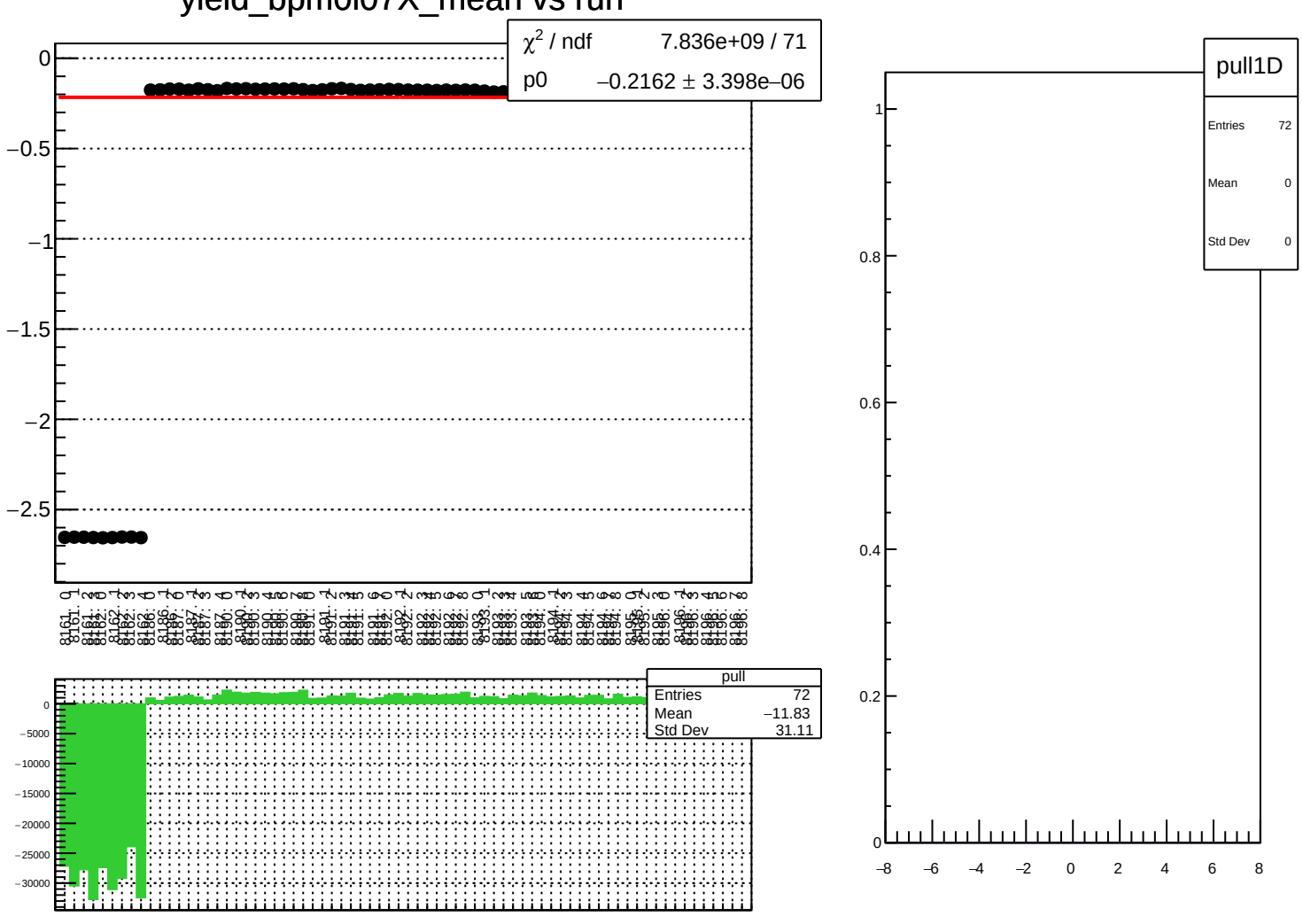

yield_bpm0i05X_mean vs run
χ² / ndf 9.041e+07 / 71
p0 0.05384 ± 6.016e−06
pull
Entries 72
Mean 161.4
Std Dev 136.1

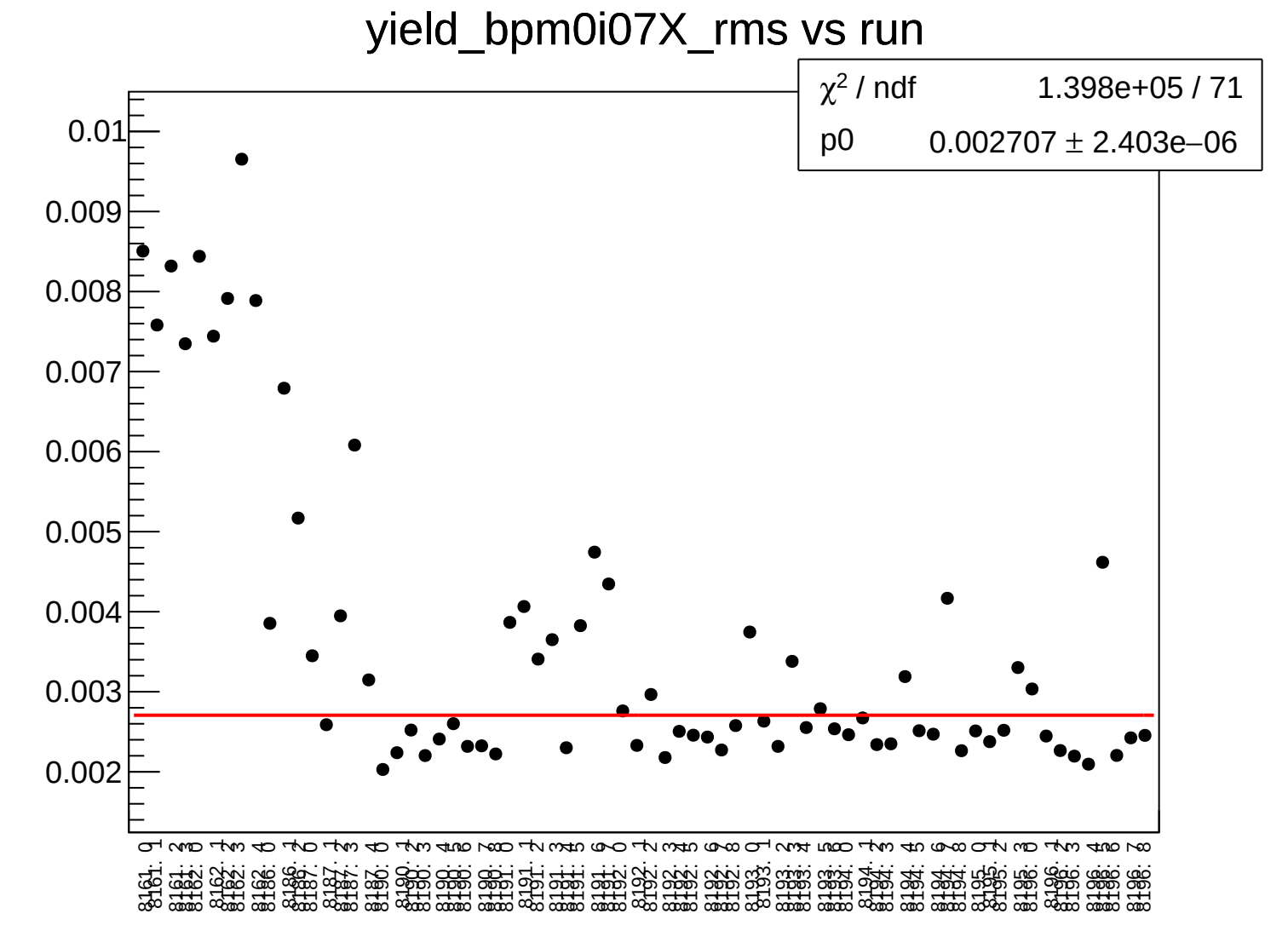

pull1D
Entries 72
Mean 0
Std Dev 0

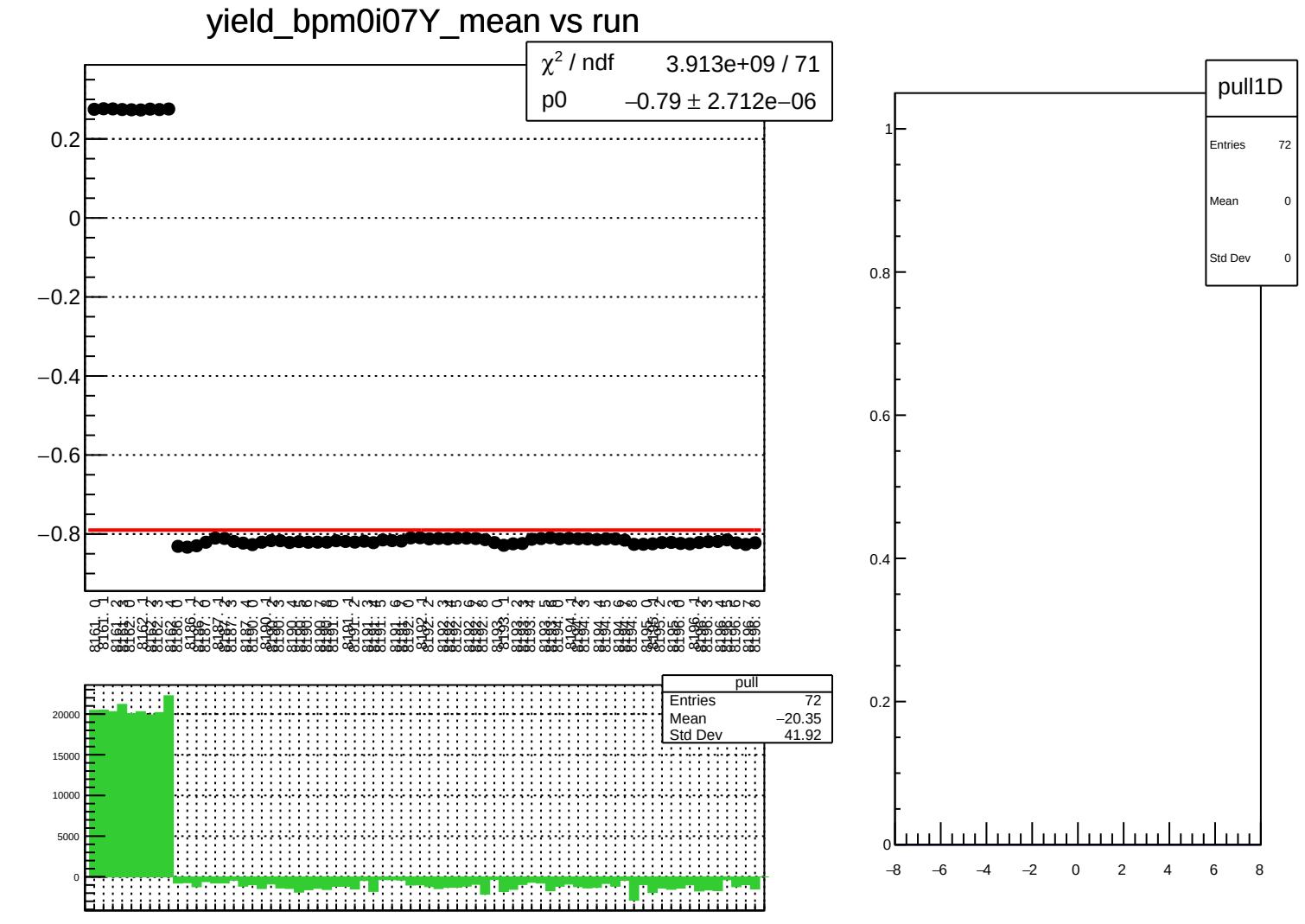

yield_bpm0i05X_rms vs run
χ^2 / ndf 1.544e+05 / 71
p0 0.004765 ± 4.254e−06
0.025
0.02
0.015
0.01
0.005

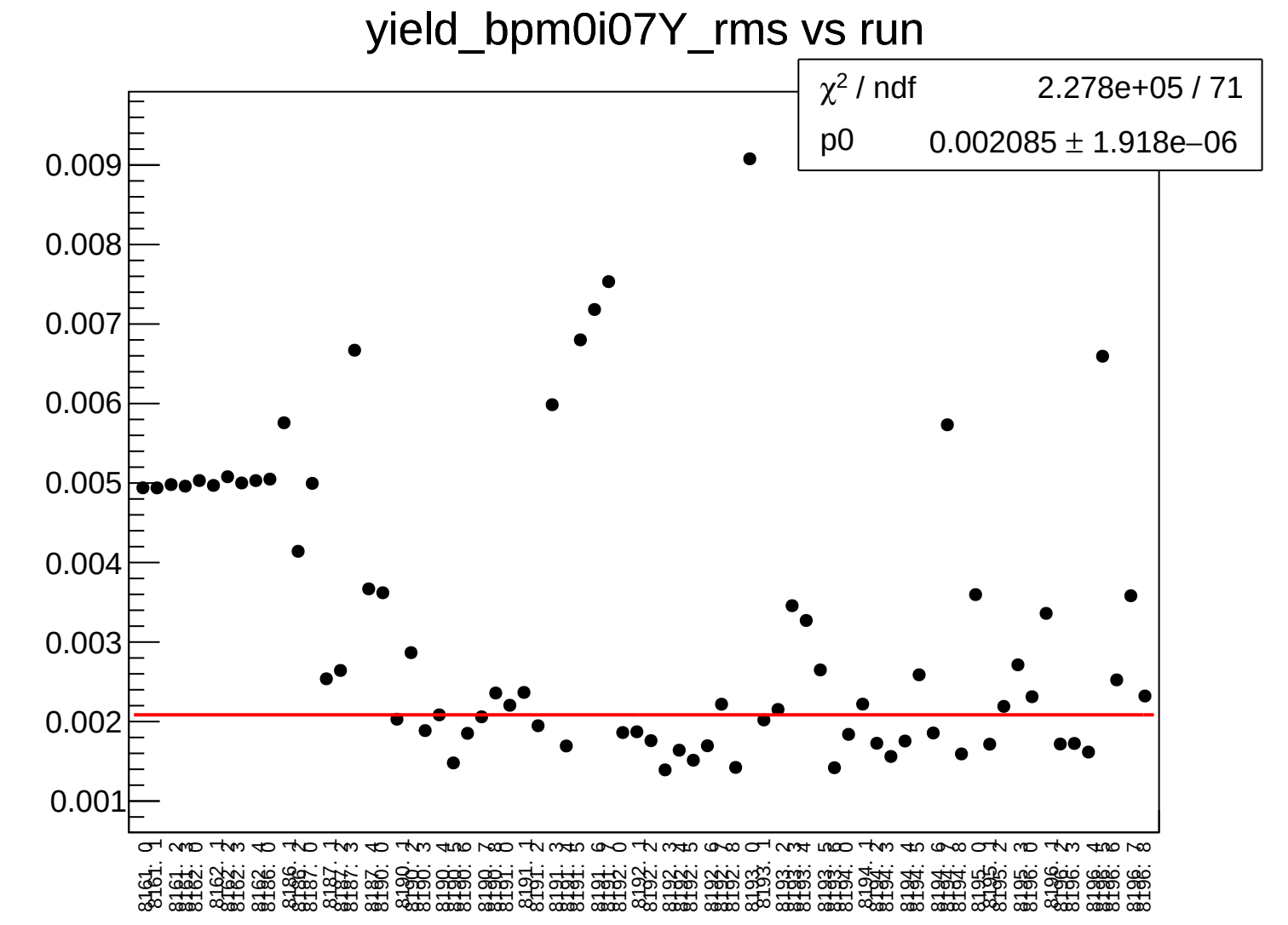

yield_bpm0i05Y_mean vs run
χ² / ndf 2.07e+07 / 71
p0 −1.17 ± 4.727e−06
−1.14
−1.15
−1.16
−1.17
−1.18
−1.19
−1.2
−1.21
−1.22
pull
Entries 72
Mean 278.8
Std Dev 259.1
500
0
−500
−1000
−1500
pull1D
Entries 72
Mean 2.354
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

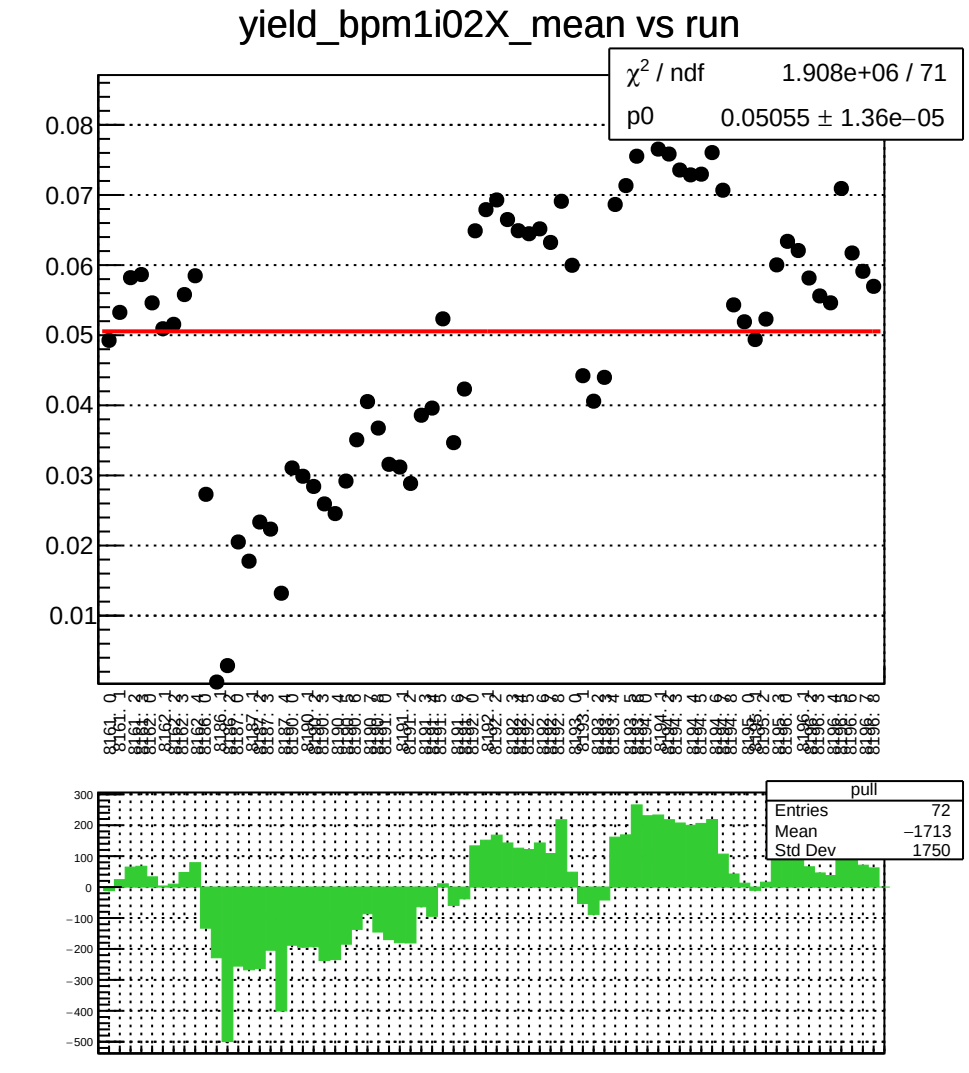

yield_bpm0i05Y_rms vs run
χ² / ndf 1.443e+05 / 71
p0 0.003759 ± 3.343e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

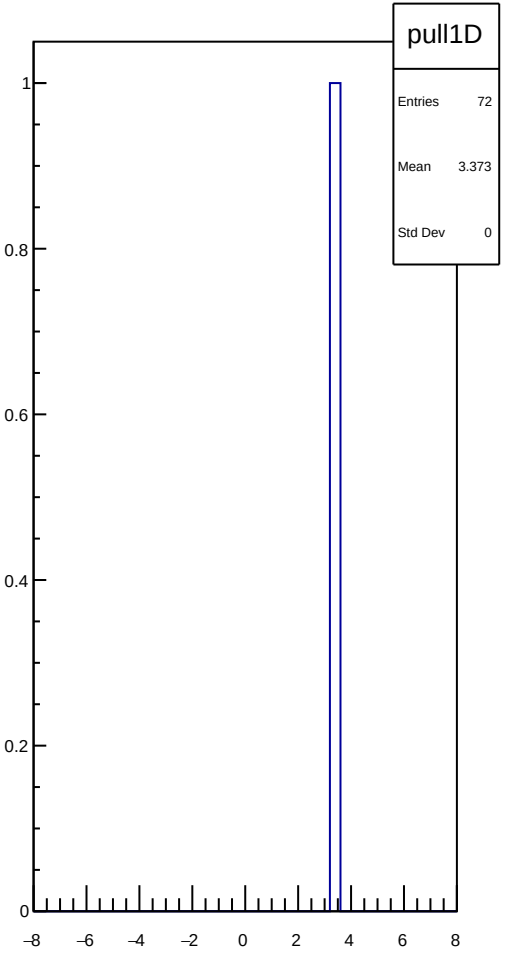

yield_bpm0i07X_mean vs run
χ² / ndf 7.836e+09 / 71
p0 −0.2162 ± 3.398e−06
pull
Entries 72
Mean −11.83
Std Dev 31.11
pull1D
Entries 72
Mean 0
Std Dev 0

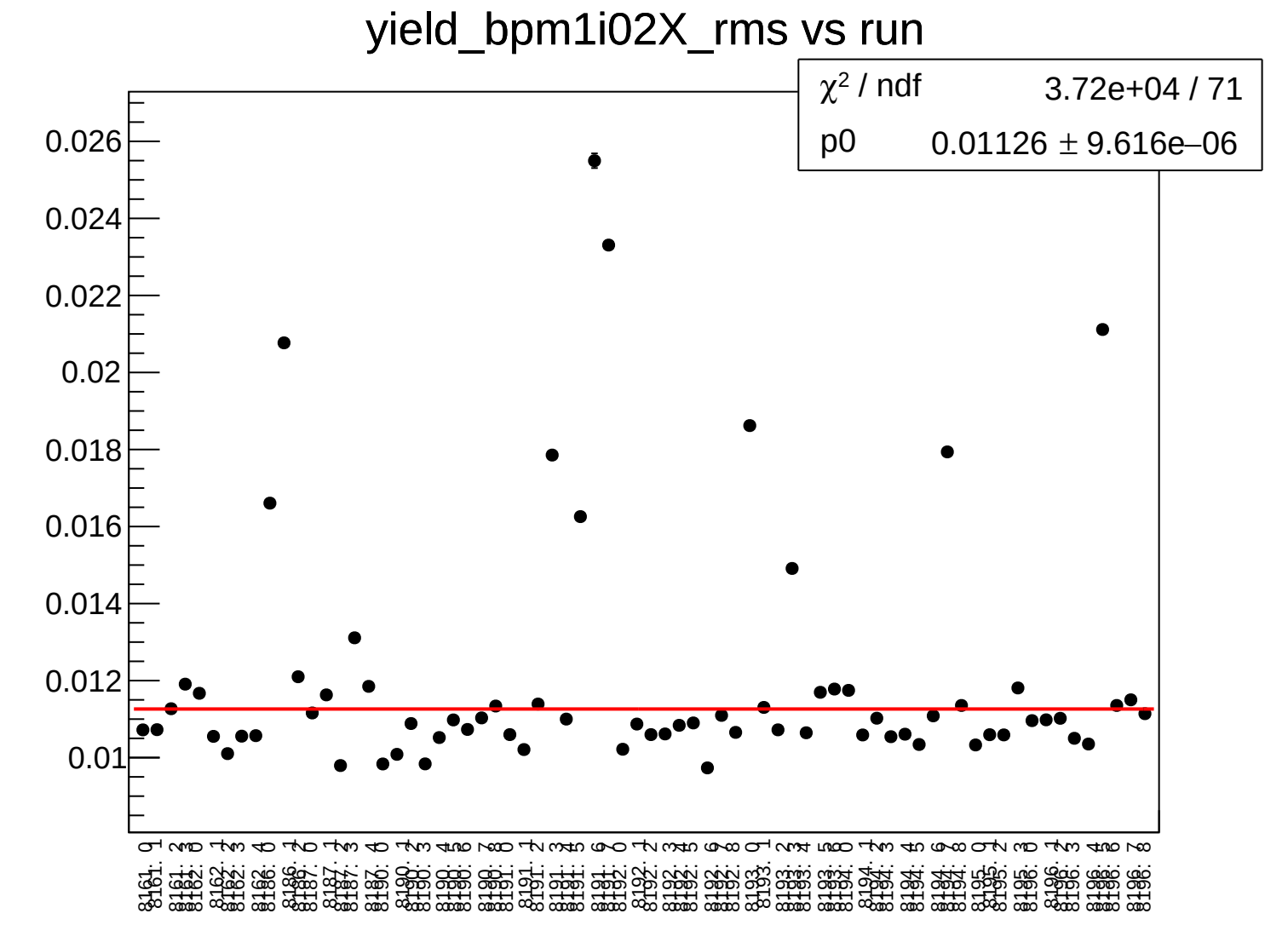

yield_bpm0i07X_rms vs run
χ² / ndf 1.398e+05 / 71
p0 0.002707 ± 2.403e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002

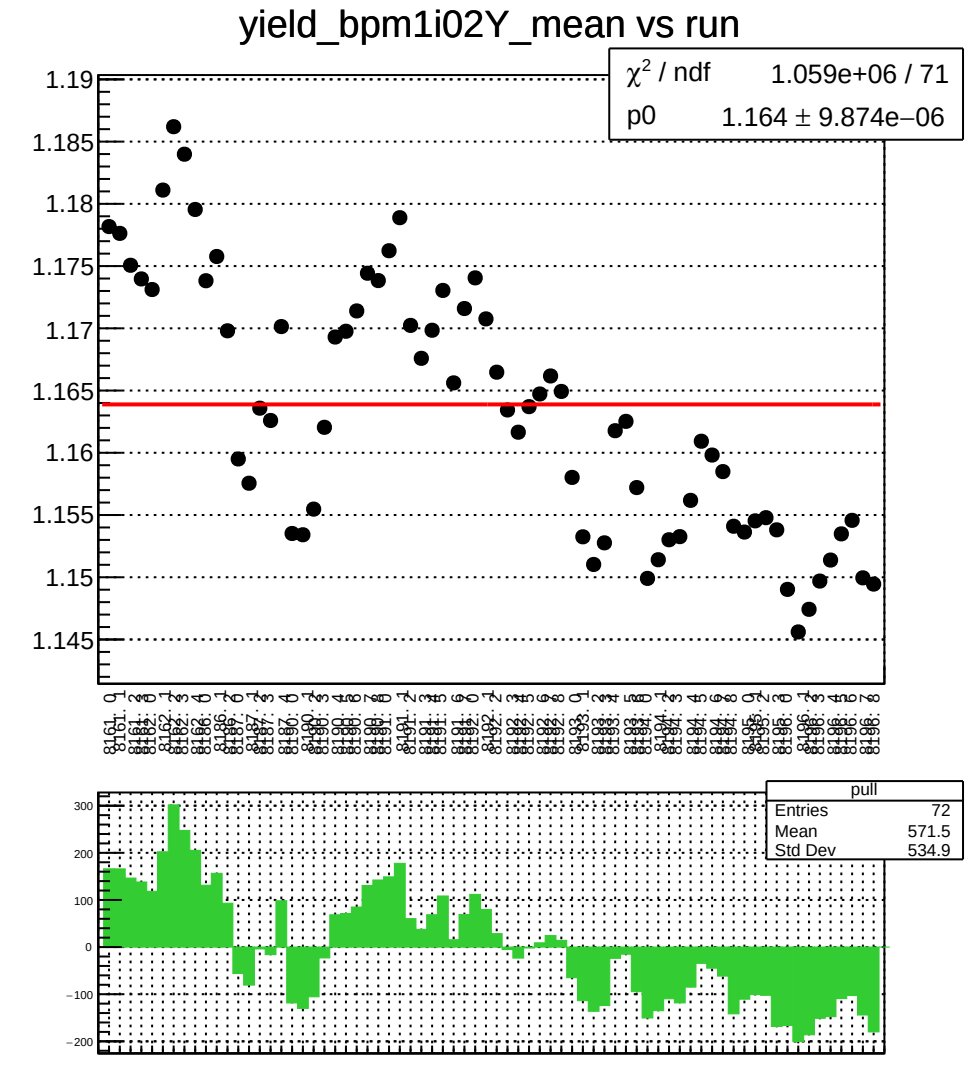

yield_bpm0i07Y_mean vs run
χ² / ndf 3.913e+09 / 71
p0 −0.79 ± 2.712e−06
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 72
Mean −20.35
Std Dev 41.92
20000
15000
10000
5000
0
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

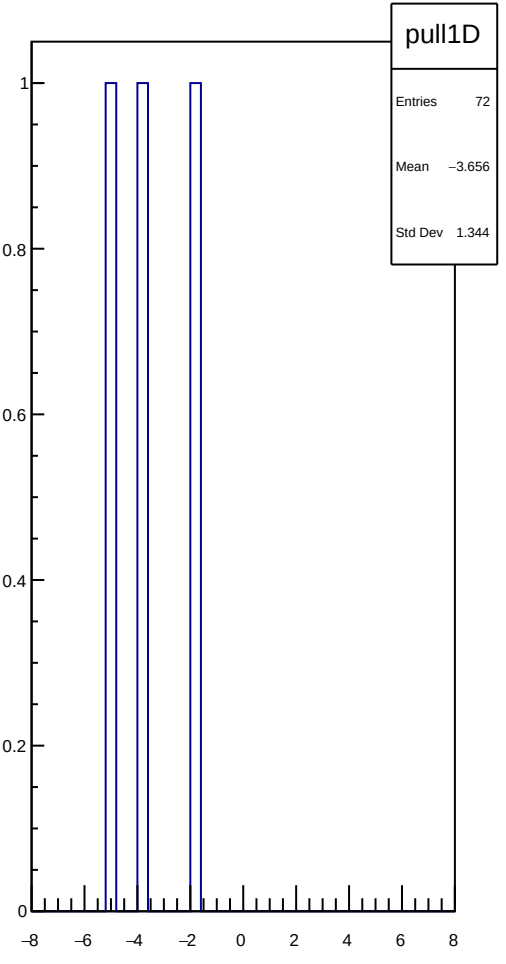

yield_bpm0i07Y_rms vs run
χ² / ndf 2.278e+05 / 71
p0 0.002085 ± 1.918e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001

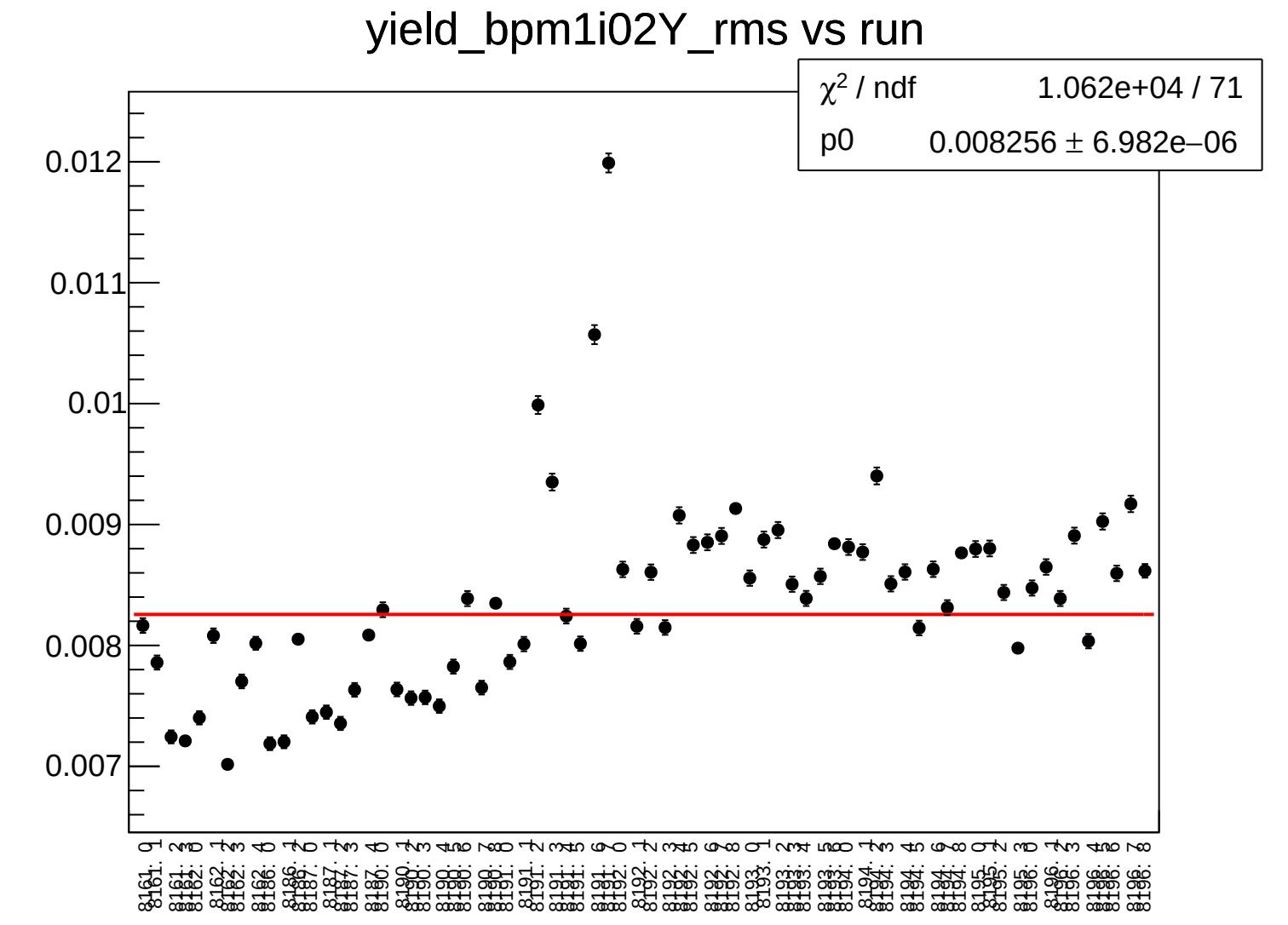

yield_bpm1i02X_mean vs run
χ² / ndf 1.908e+06 / 71
p0 0.05055 ± 1.36e−05
pull
Entries 72
Mean −1713
Std Dev 1750

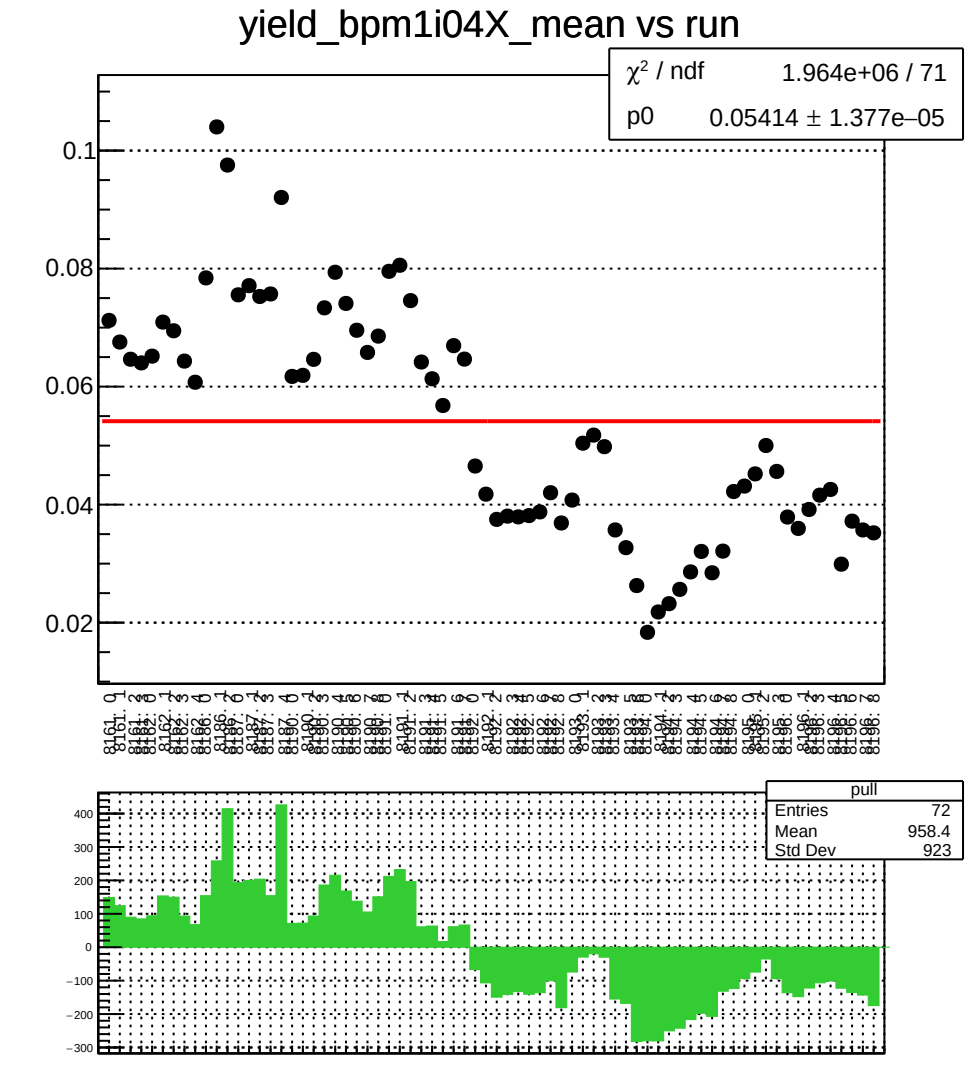

pull1D
Entries 72
Mean 3.373
Std Dev 0

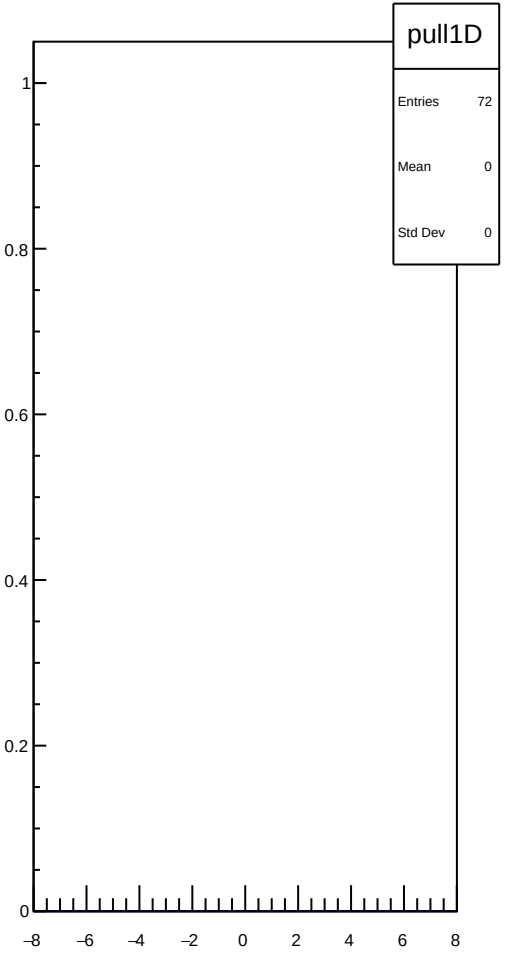

yield_bpm1i02X_rms vs run
χ² / ndf 3.72e+04 / 71
p0 0.01126 ± 9.616e–06
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

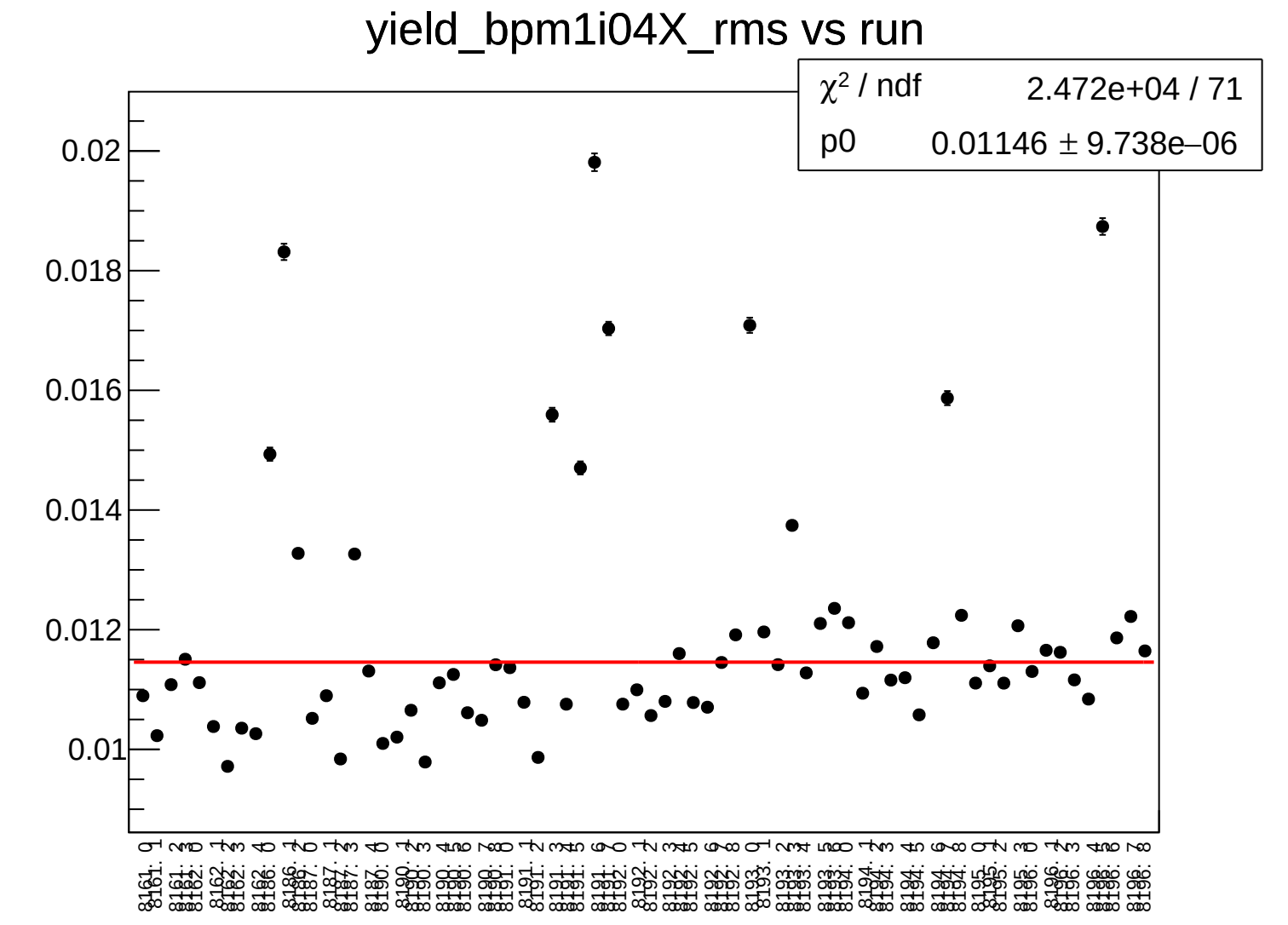

yield_bpm1i02Y_mean vs run
χ² / ndf 1.059e+06 / 71
p0 1.164 ± 9.874e−06
pull
Entries 72
Mean 571.5
Std Dev 534.9

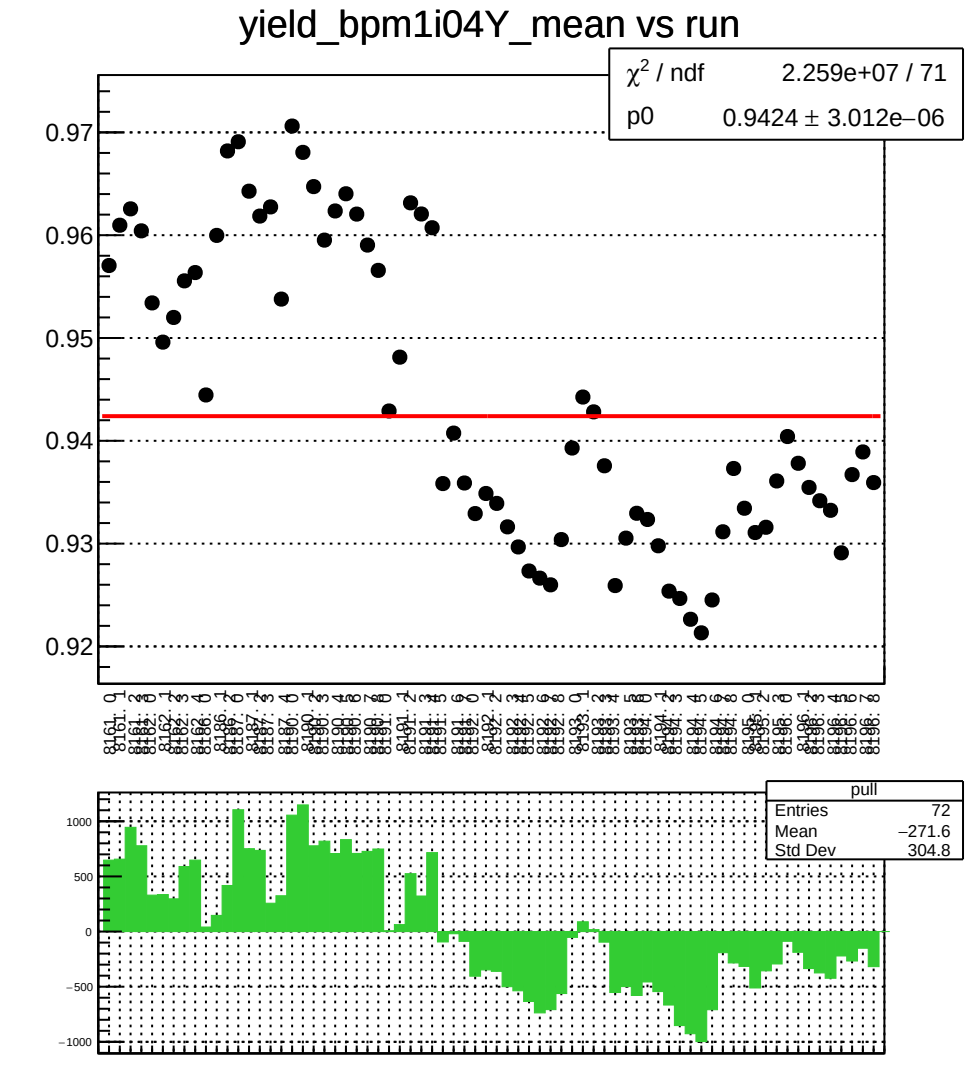

pull1D
Entries 72
Mean −3.656
Std Dev 1.344

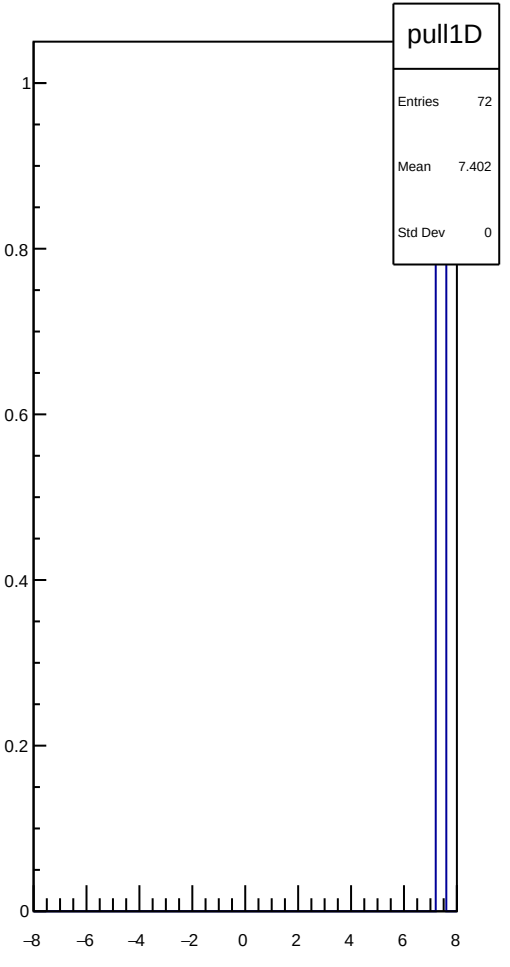

yield_bpm1i02Y_rms vs run
χ² / ndf 1.062e+04 / 71
p0 0.008256 ± 6.982e−06
0.012
0.011
0.01
0.009
0.008
0.007

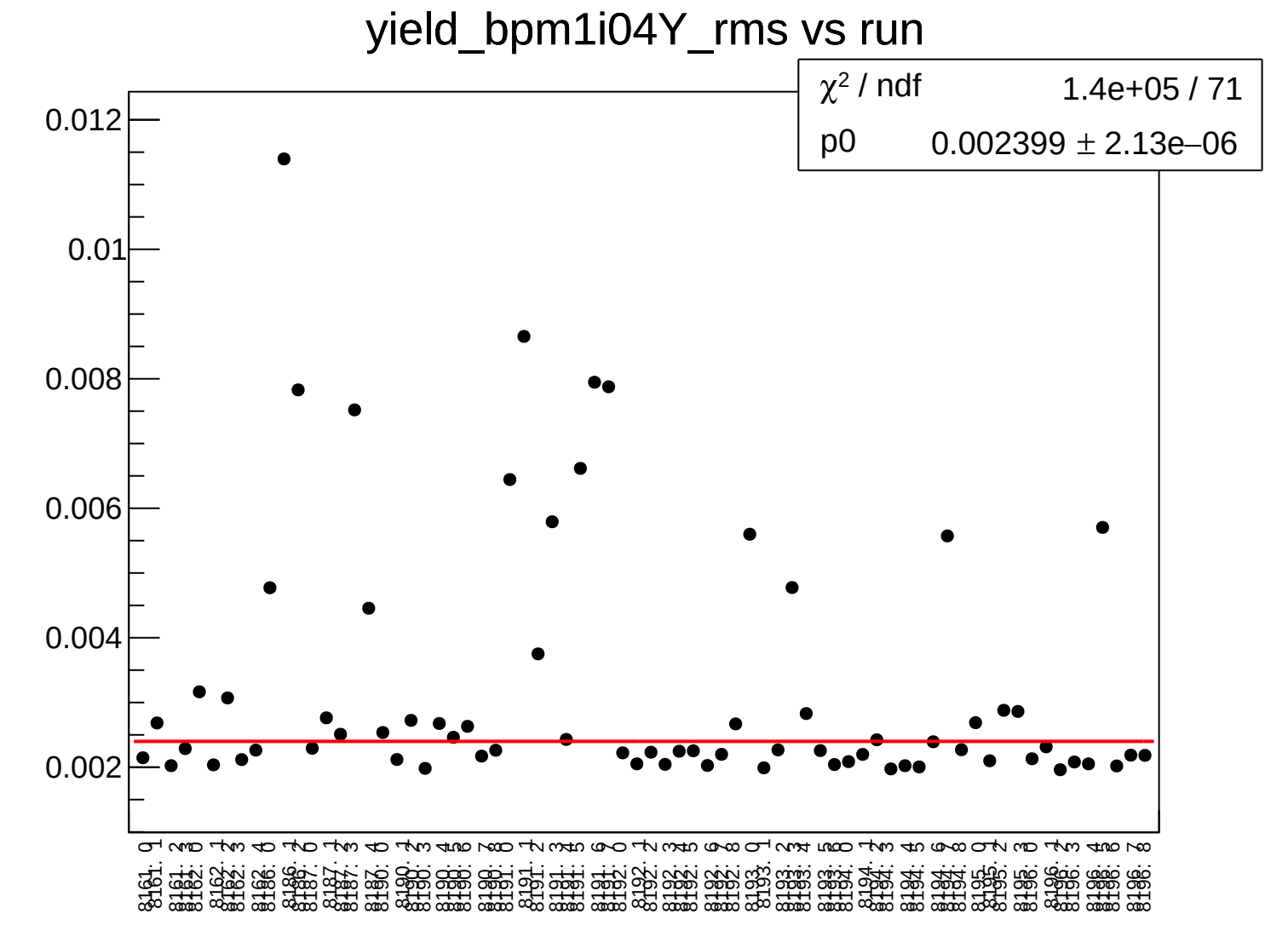

yield_bpm1i04X_mean vs run
χ² / ndf 1.964e+06 / 71
p0 0.05414 ± 1.377e−05
0.1
0.08
0.06
0.04
0.02
pull
Entries 72
Mean 958.4
Std Dev 923
400
300
200
100
0
−100
−200
−300

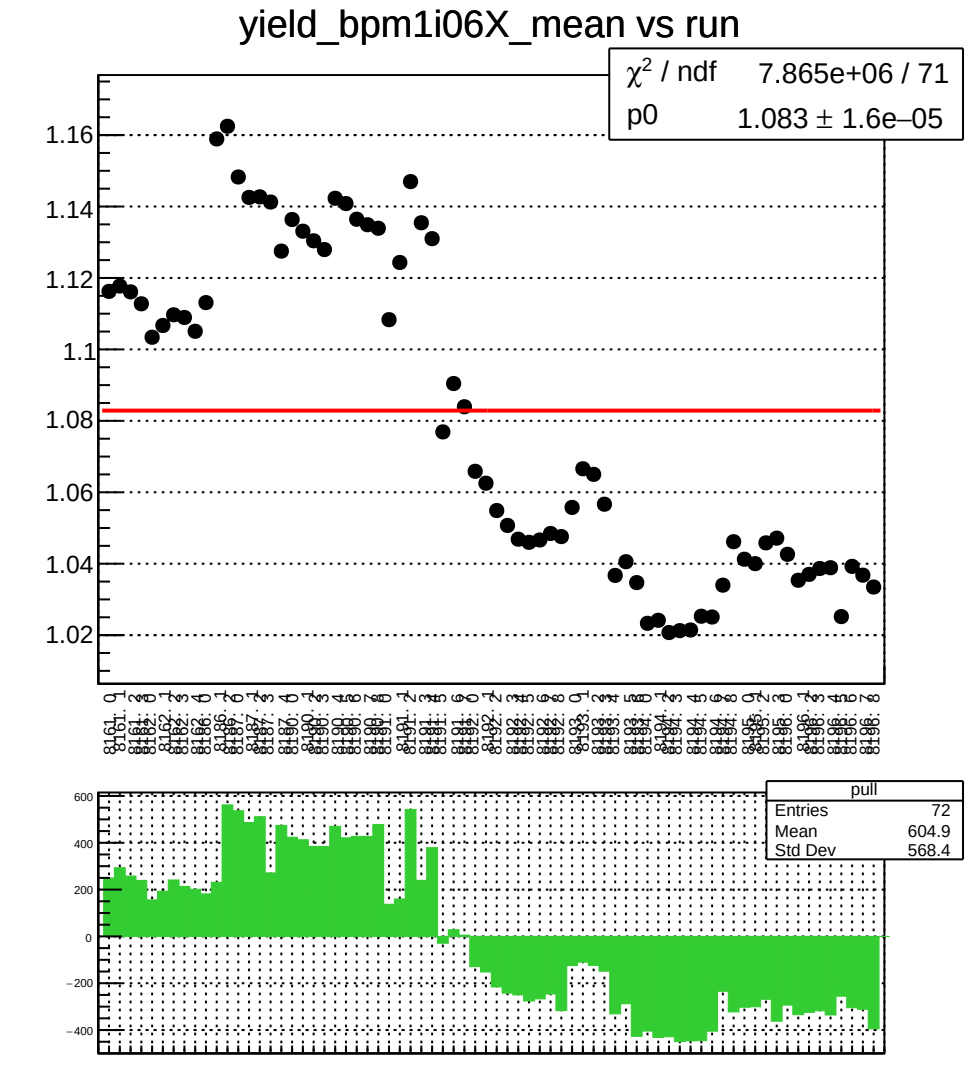

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

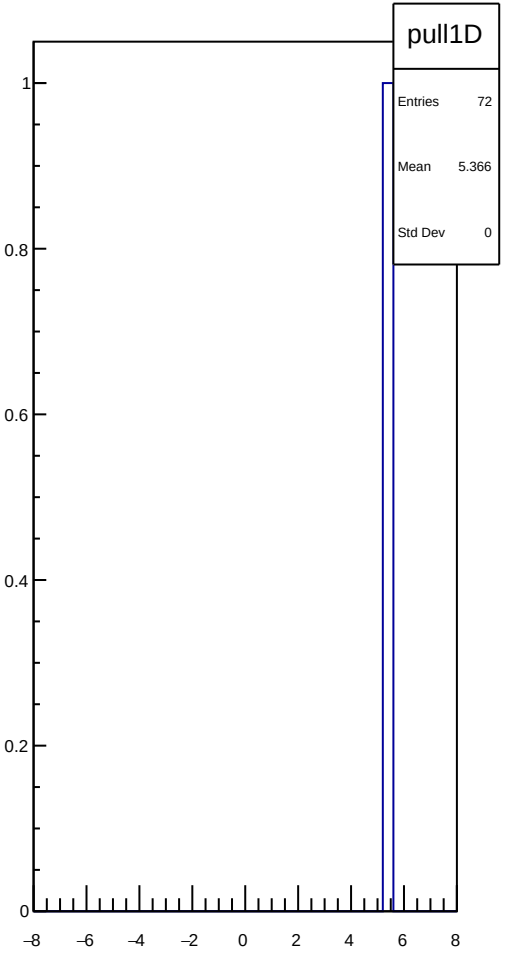

yield_bpm1i04X_rms vs run
χ² / ndf 2.472e+04 / 71
p0 0.01146 ± 9.738e–06
0.02
0.018
0.016
0.014
0.012
0.01

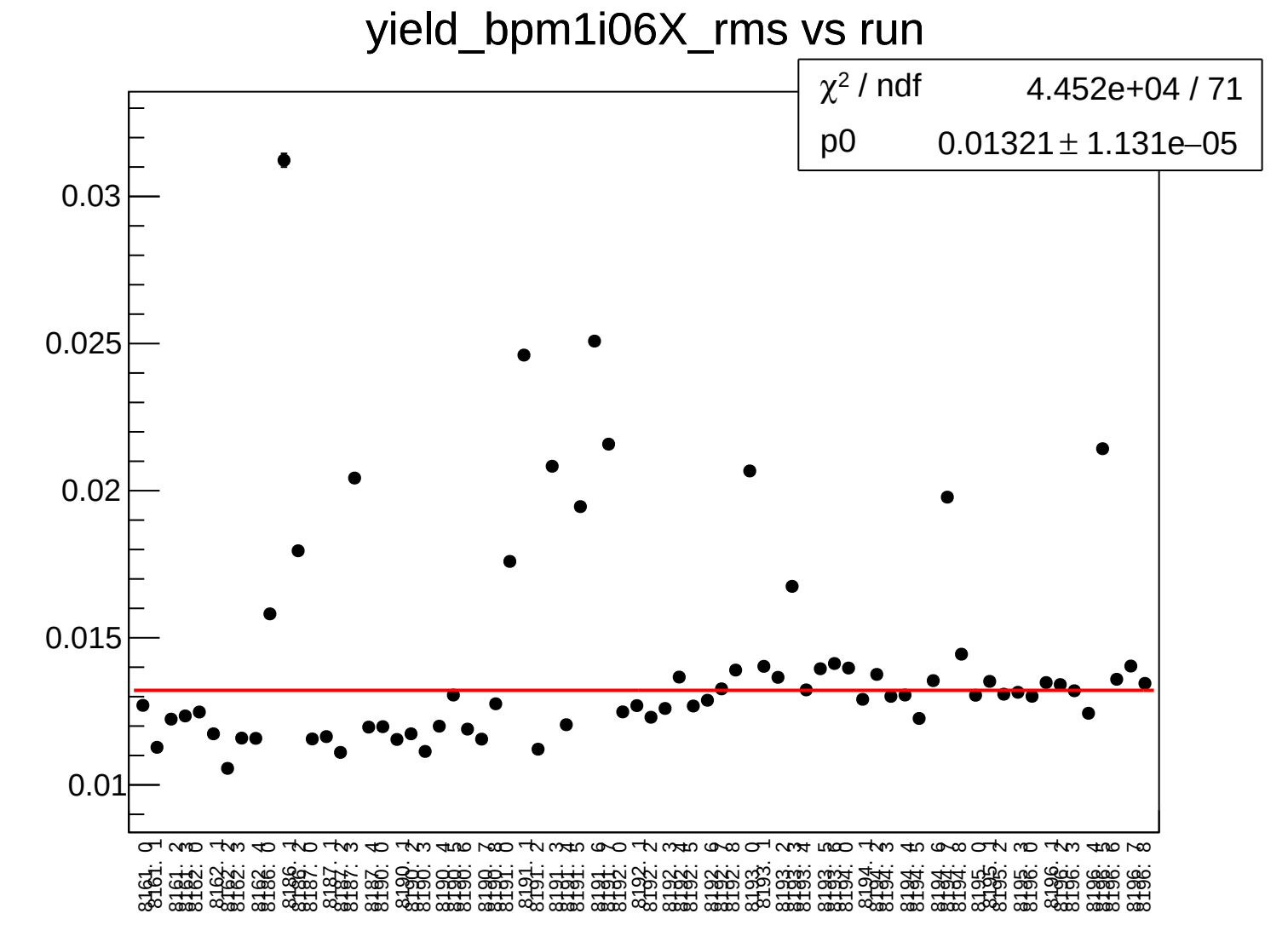

yield_bpm1i04Y_mean vs run
χ² / ndf 2.259e+07 / 71
p0 0.9424 ± 3.012e−06
0.97
0.96
0.95
0.94
0.93
0.92
pull
Entries 72
Mean −271.6
Std Dev 304.8
1000
500
0
−500
−1000

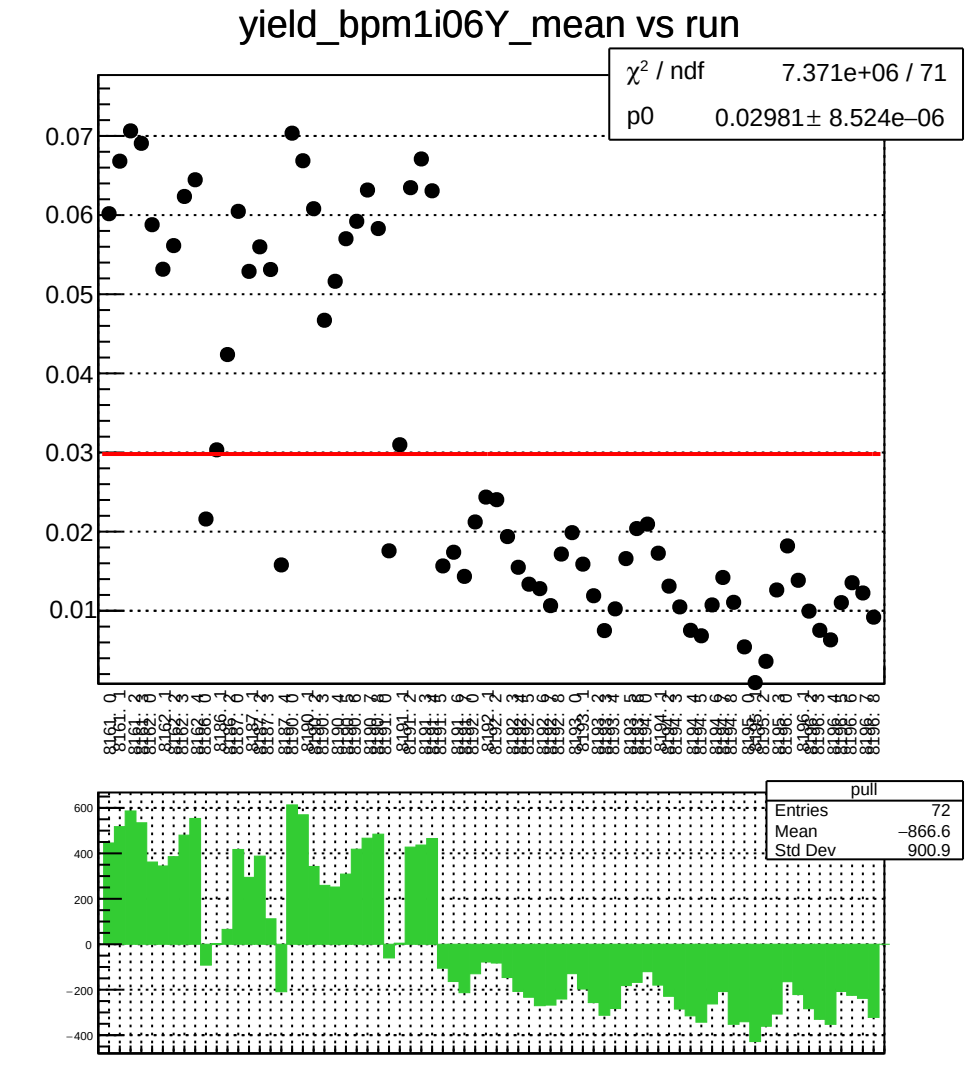

pull1D
Entries 72
Mean 7.402
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

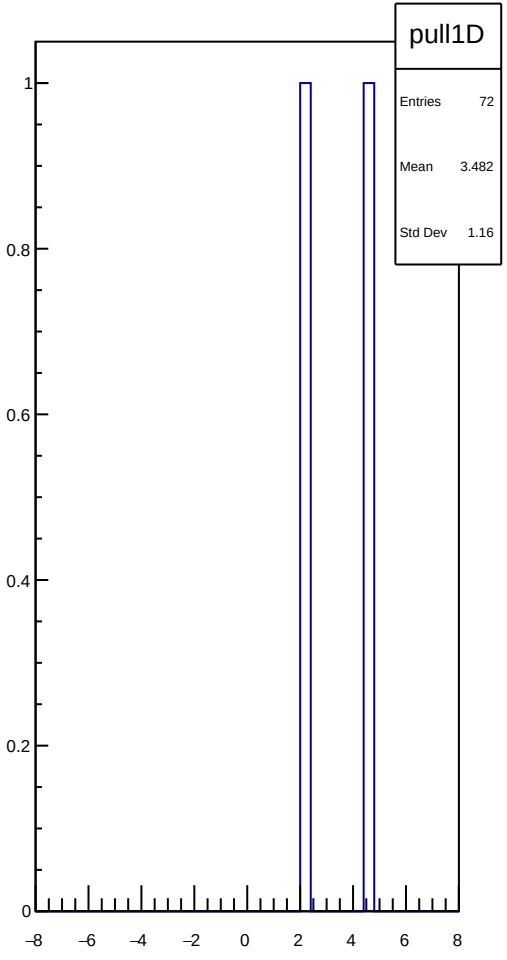

yield_bpm1i04Y_rms vs run
χ² / ndf 1.4e+05 / 71
p0 0.002399 ± 2.13e–06
0.012
0.01
0.008
0.006
0.004
0.002

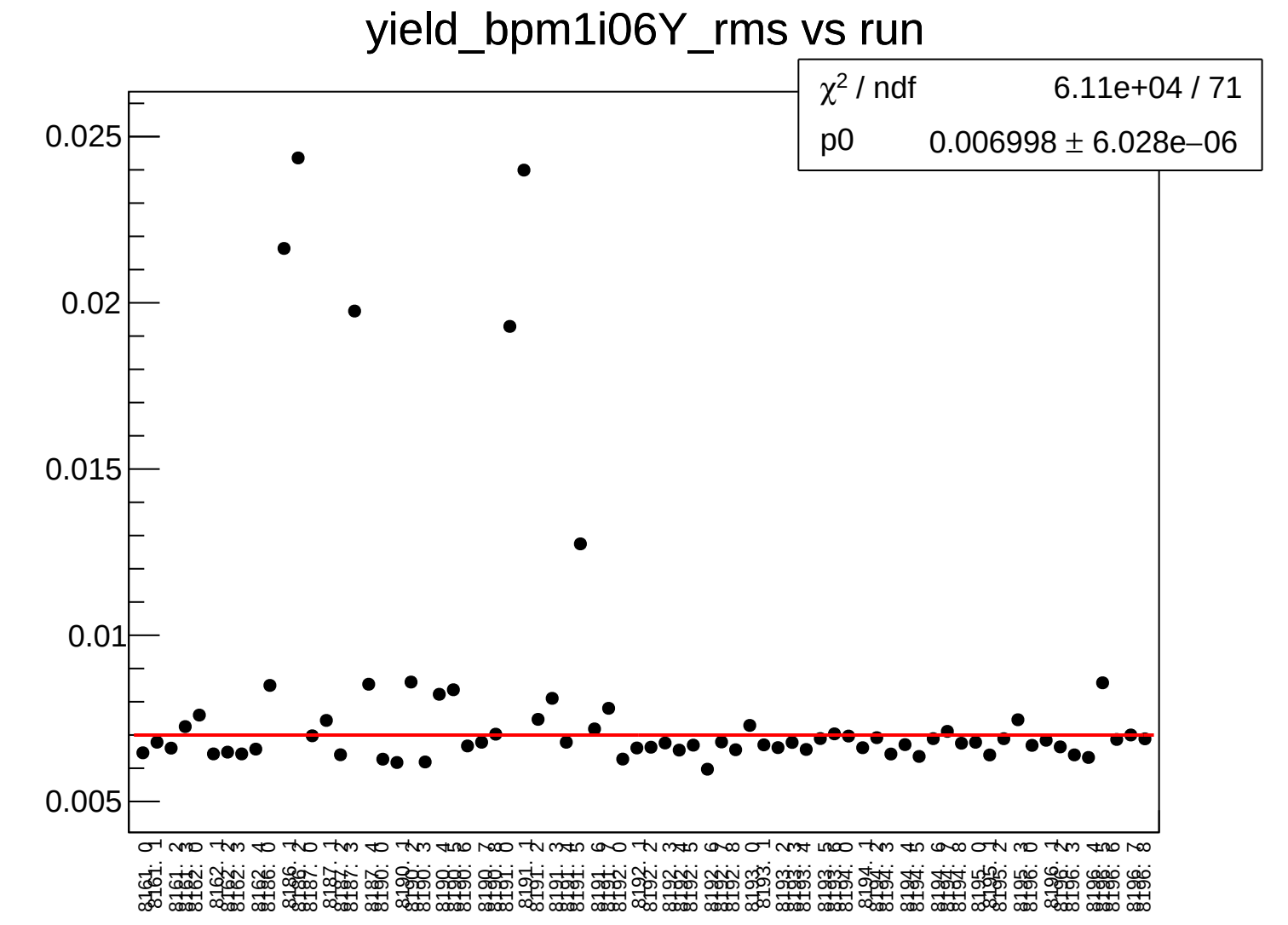

yield_bpm1i06X_mean vs run
χ² / ndf 7.865e+06 / 71
p0 1.083 ± 1.6e–05
1.16
1.14
1.12
1.1
1.08
1.06
1.04
1.02
pull
Entries 72
Mean 604.9
Std Dev 568.4
600
400
200
0
–200
–400

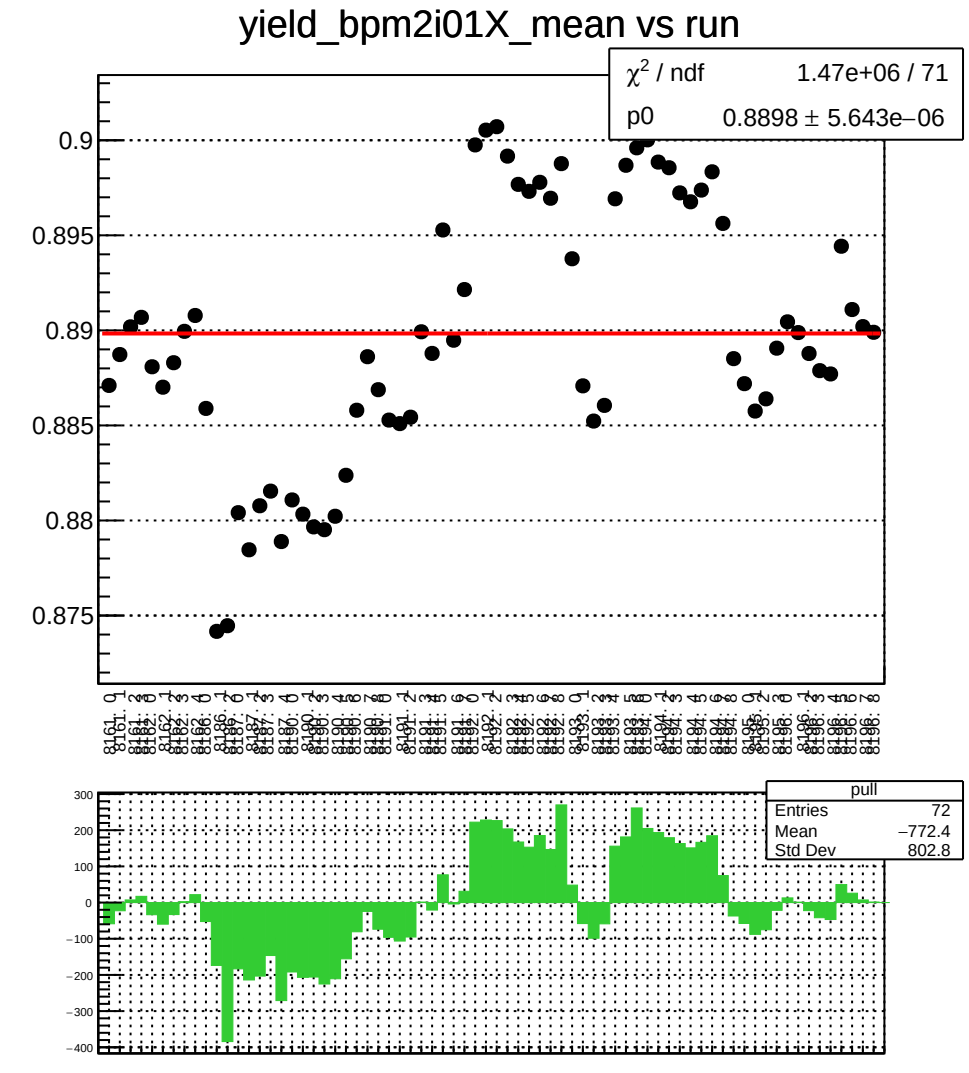

pull1D
Entries 72
Mean 5.366
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

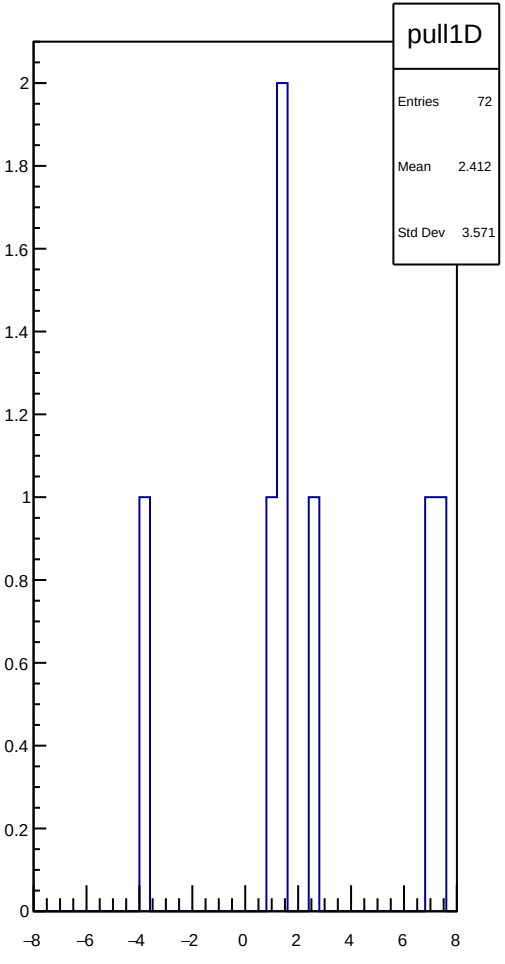

yield_bpm1i06X_rms vs run
χ² / ndf 4.452e+04 / 71
p0 0.01321 ± 1.131e–05
0.03
0.025
0.02
0.015
0.01

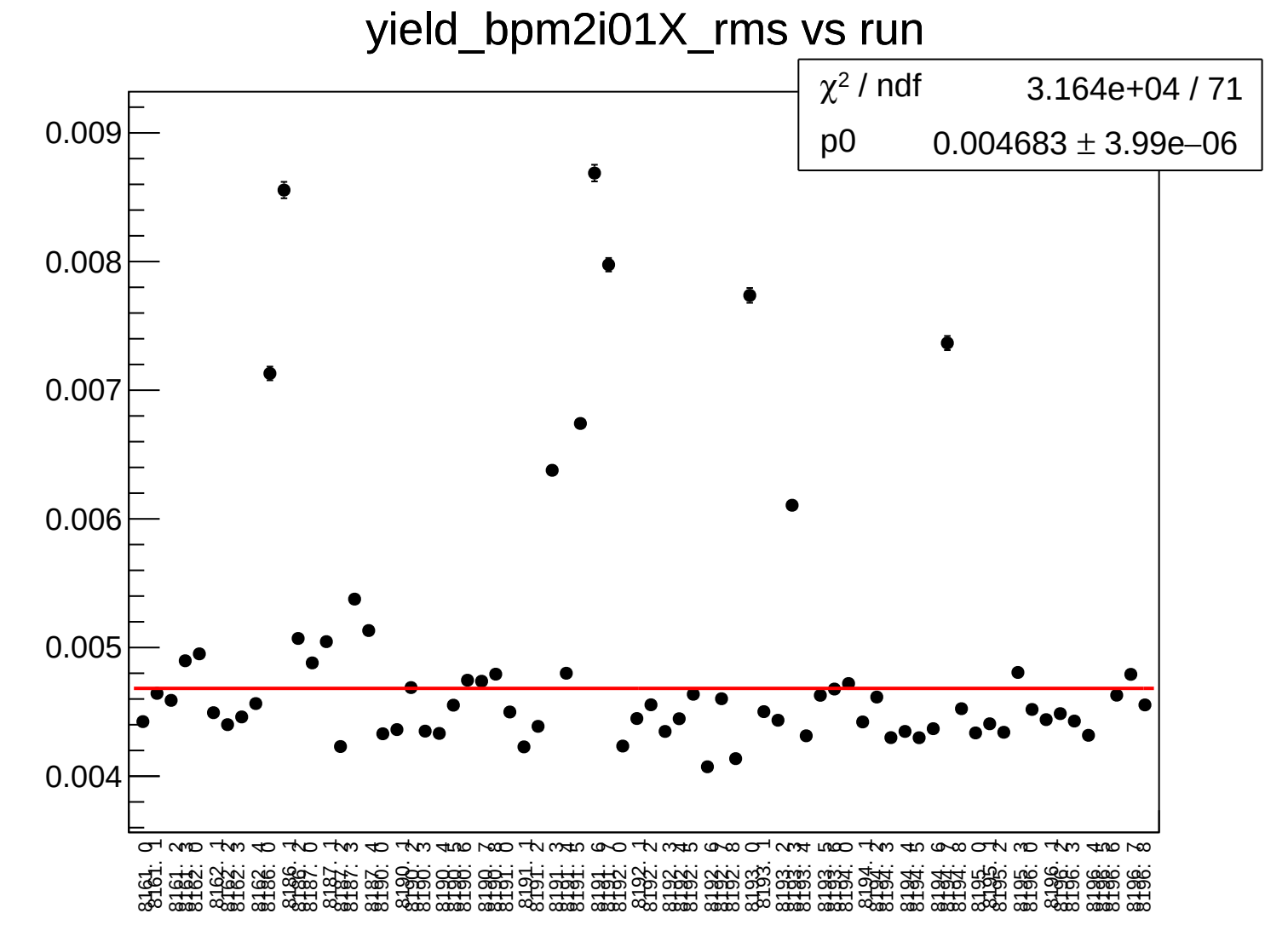

yield_bpm1i06Y_mean vs run
χ² / ndf 7.371e+06 / 71
p0 0.02981± 8.524e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
pull
Entries 72
Mean −866.6
Std Dev 900.9
600
400
200
0
−200
−400

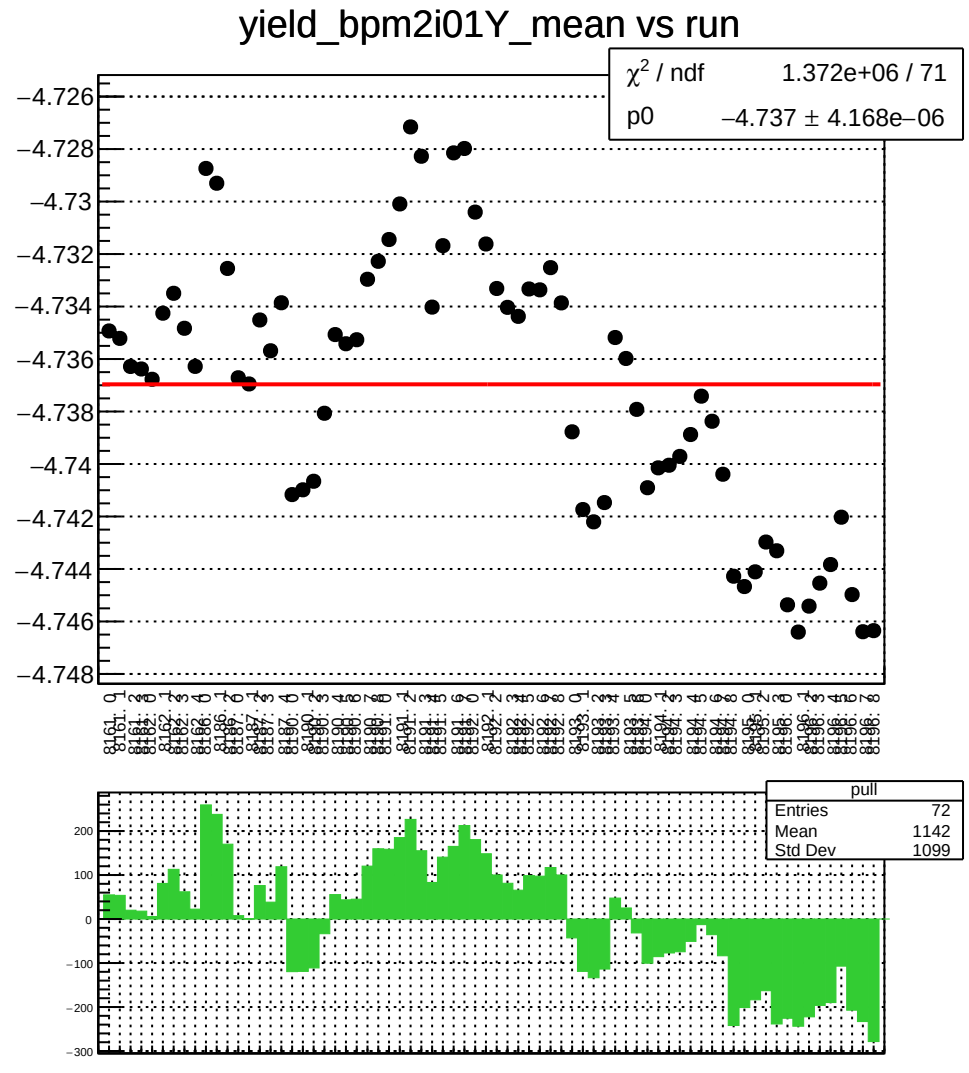

pull1D
Entries 72
Mean 3.482
Std Dev 1.16
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

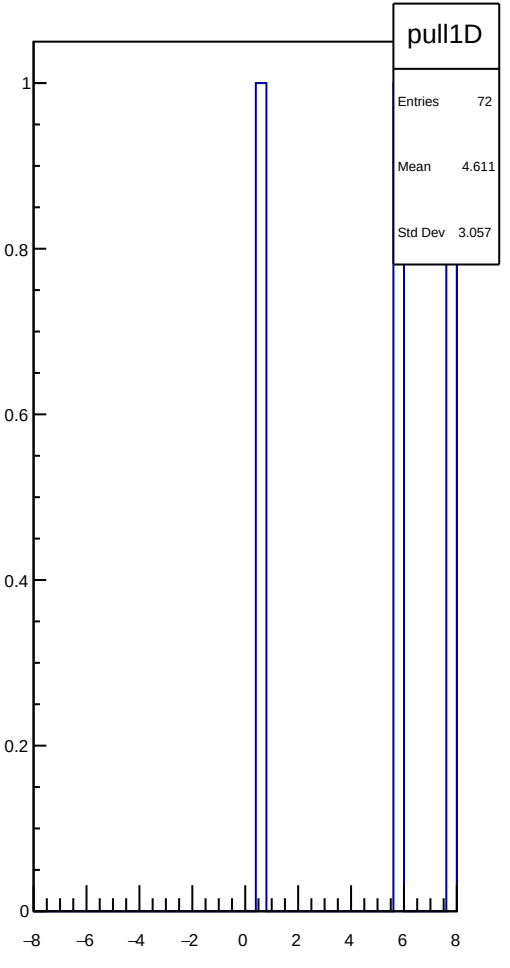

yield_bpm1i06Y_rms vs run
χ² / ndf 6.11e+04 / 71
p0 0.006998 ± 6.028e−06
0.025
0.02
0.015
0.01
0.005

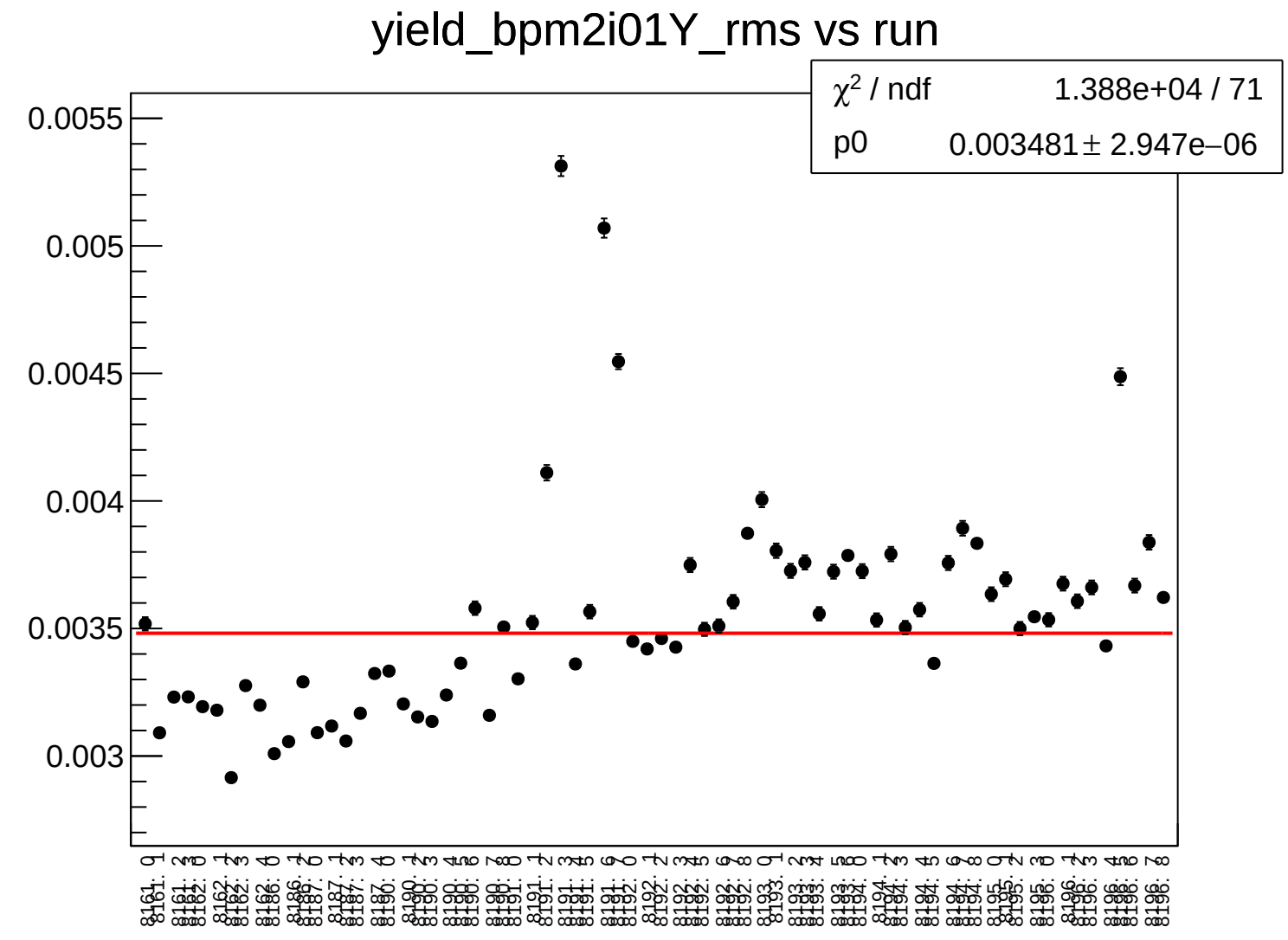

yield_bpm2i01X_mean vs run
χ² / ndf 1.47e+06 / 71
p0 0.8898 ± 5.643e−06
0.9
0.895
0.89
0.885
0.88
0.875
pull
Entries 72
Mean −772.4
Std Dev 802.8
300
200
100
0
−100
−200
−300
−400

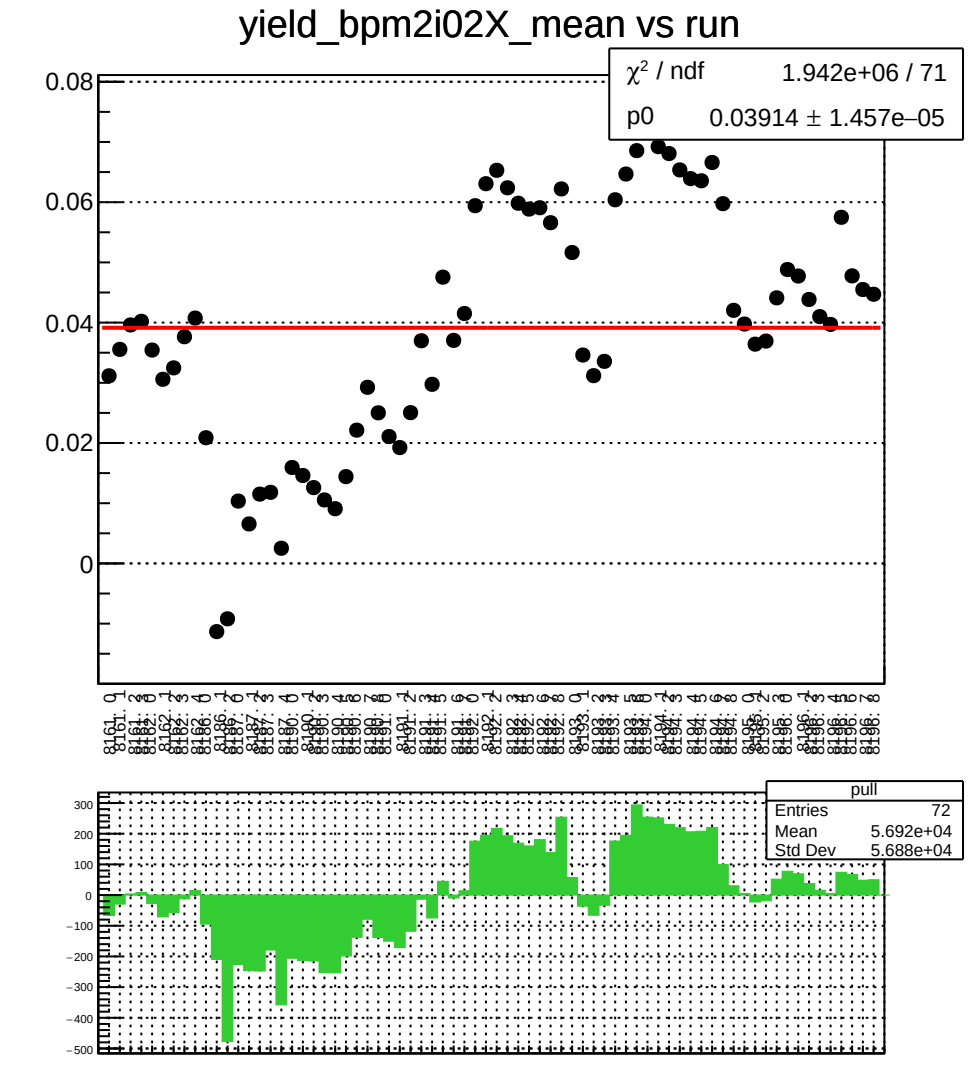

pull1D
Entries 72
Mean 2.412
Std Dev 3.571
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

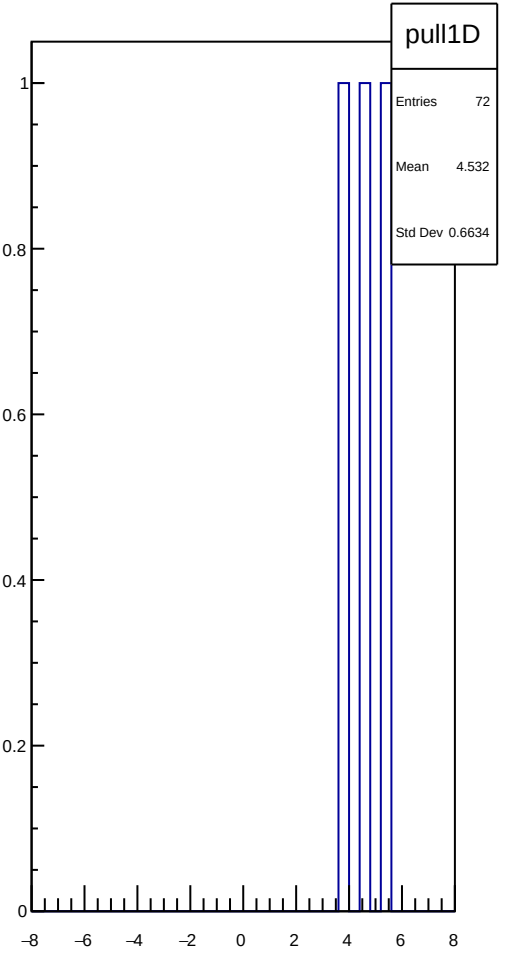

yield_bpm2i01X_rms vs run
χ² / ndf 3.164e+04 / 71
p0 0.004683 ± 3.99e–06
0.009
0.008
0.007
0.006
0.005
0.004

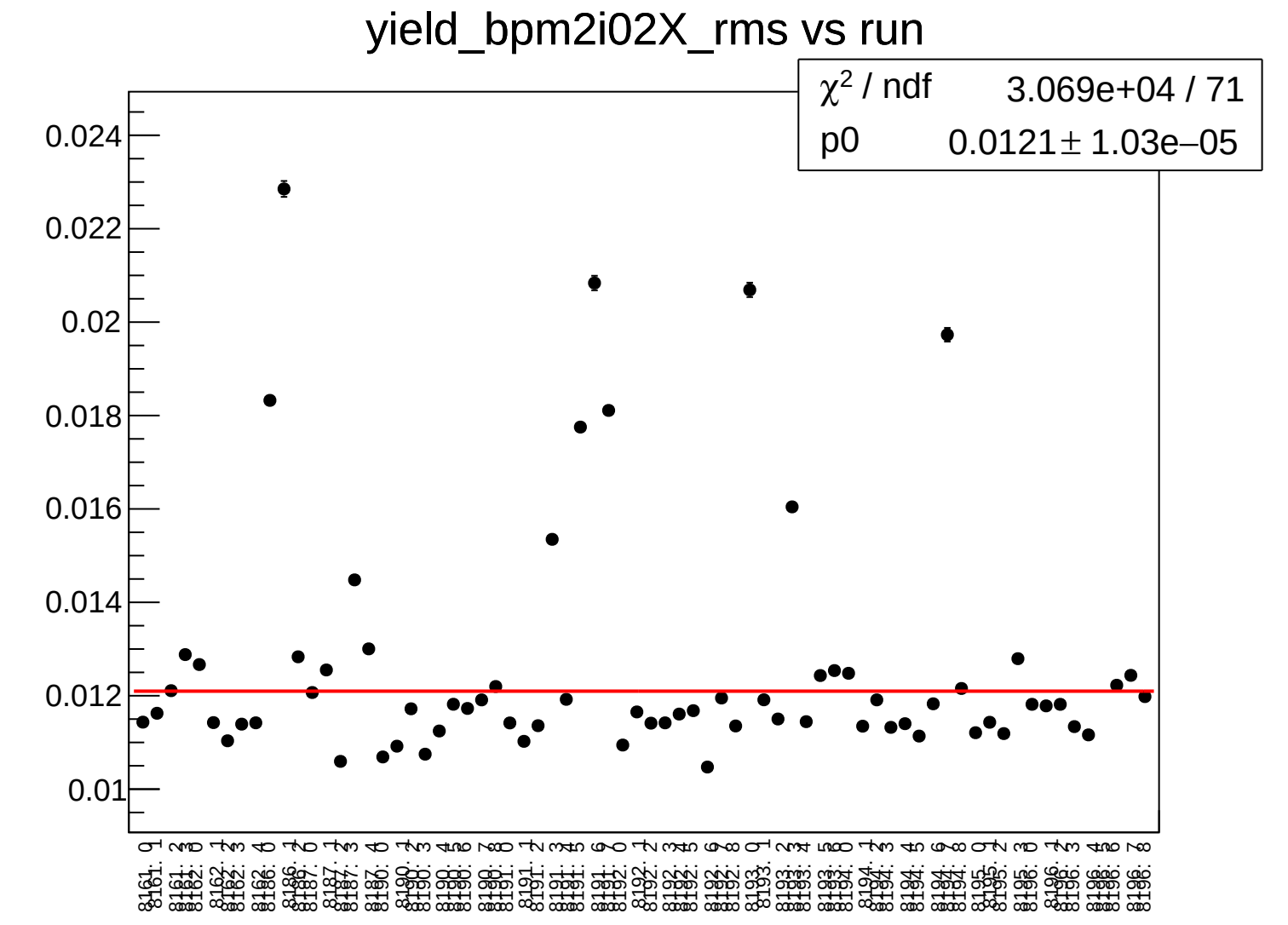

yield_bpm2i01Y_mean vs run
χ² / ndf 1.372e+06 / 71
p0 −4.737 ± 4.168e−06
−4.726
−4.728
−4.73
−4.732
−4.734
−4.736
−4.738
−4.74
−4.742
−4.744
−4.746
−4.748
pull
Entries 72
Mean 1142
Std Dev 1099
200
100
0
−100
−200
−300

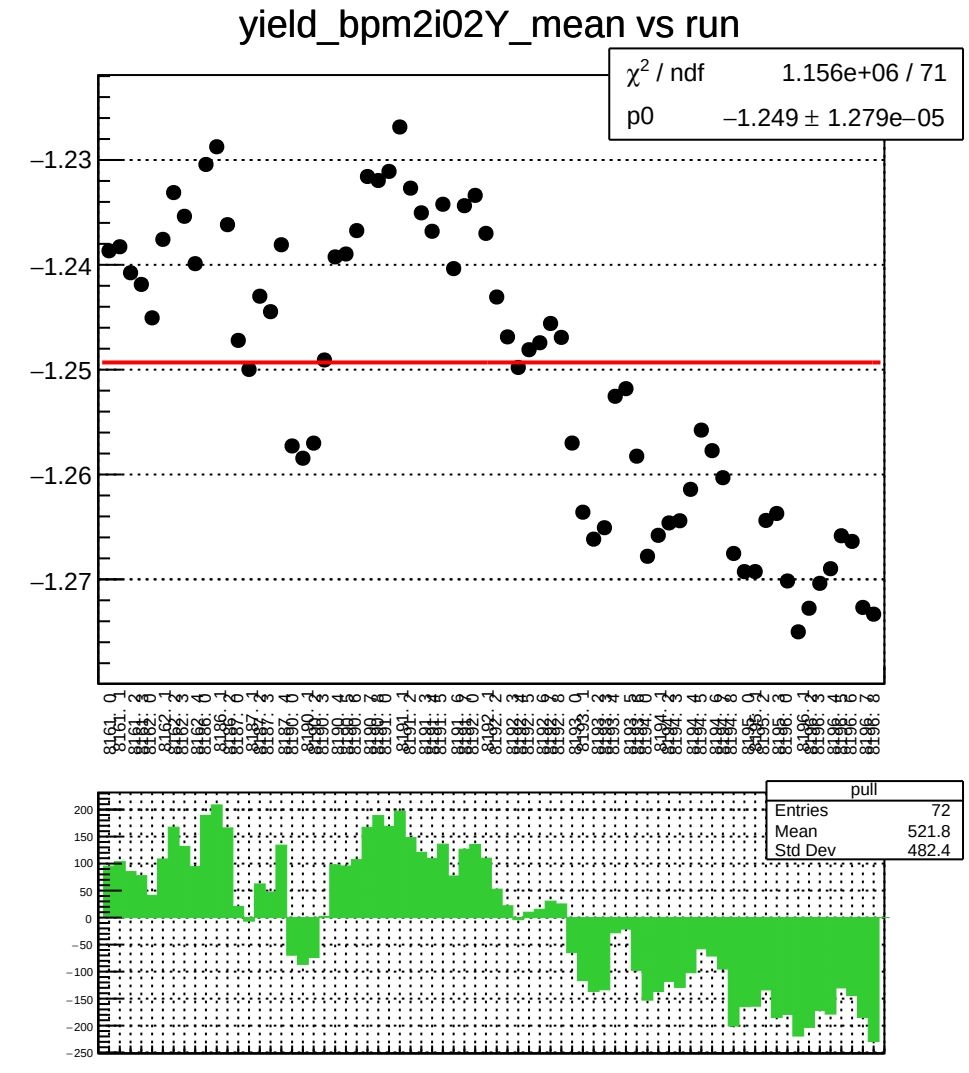

pull1D
Entries 72
Mean 4.611
Std Dev 3.057
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

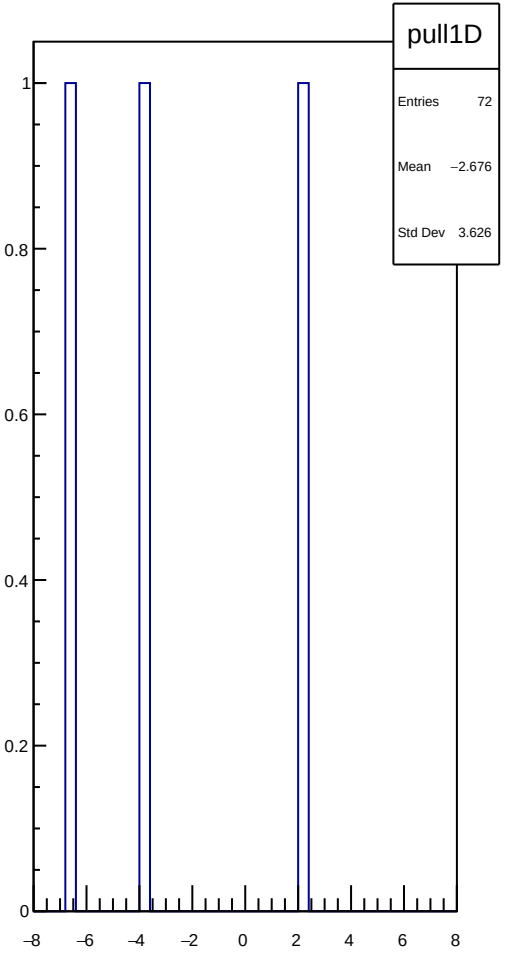

yield_bpm2i01Y_rms vs run
χ² / ndf 1.388e+04 / 71
p0 0.003481 ± 2.947e−06
0.0055
0.005
0.0045
0.004
0.0035
0.003

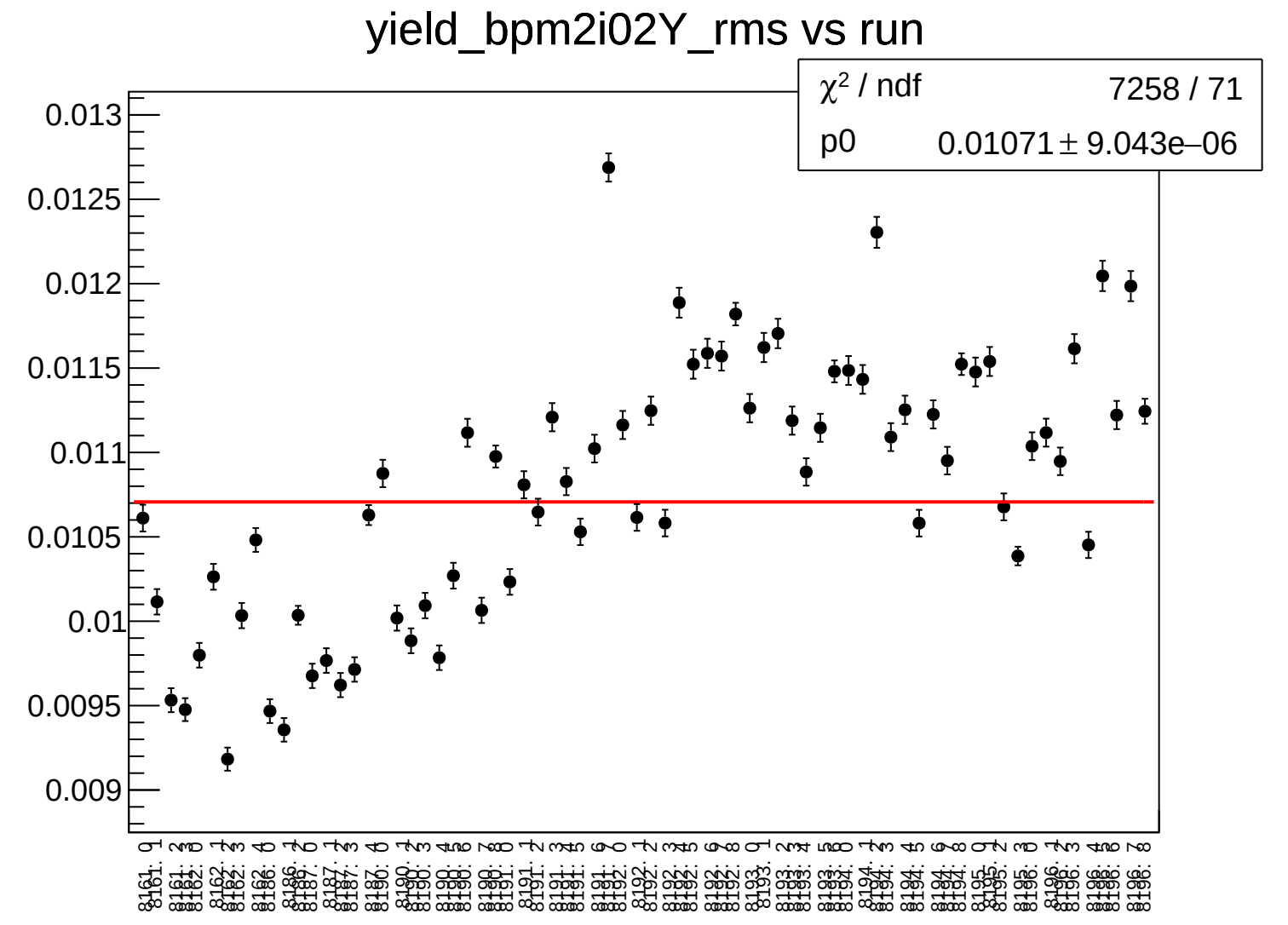

yield_bpm2i02X_mean vs run
χ² / ndf 1.942e+06 / 71
p0 0.03914 ± 1.457e−05
0.08
0.06
0.04
0.02
0
pull
Entries 72
Mean 5.692e+04
Std Dev 5.688e+04
300
200
100
0
−100
−200
−300
−400
−500

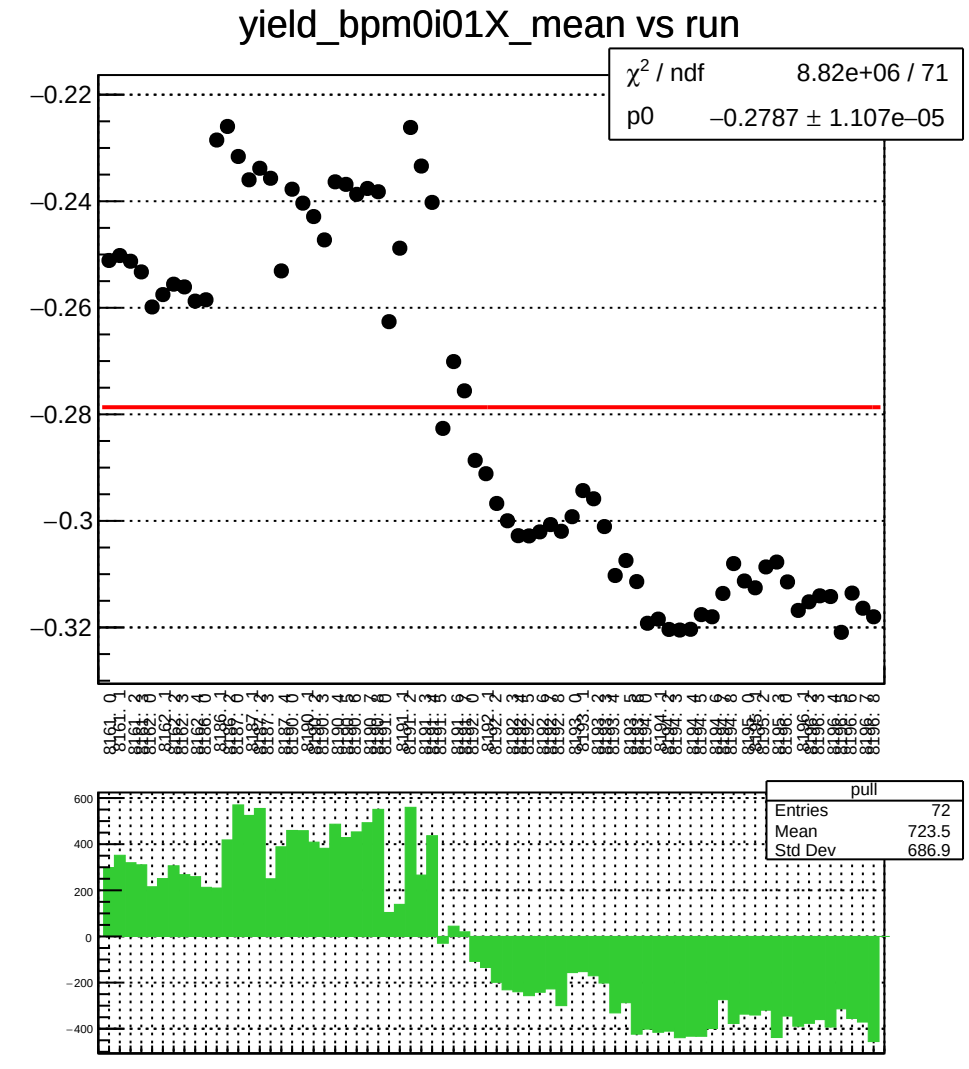

pull1D
Entries 72
Mean 4.532
Std Dev 0.6634
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

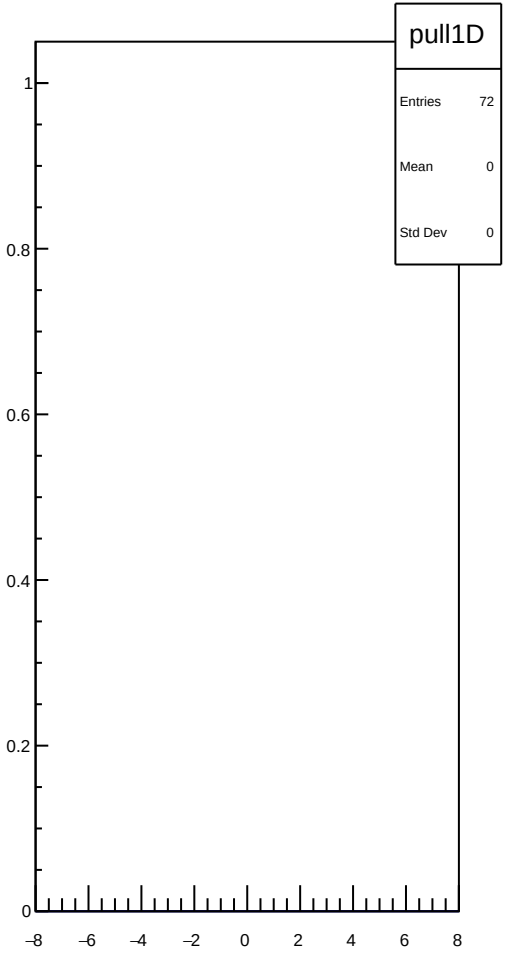

yield_bpm2i02X_rms vs run
χ^2 / ndf 3.069e+04 / 71
p0 0.0121 ± 1.03e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

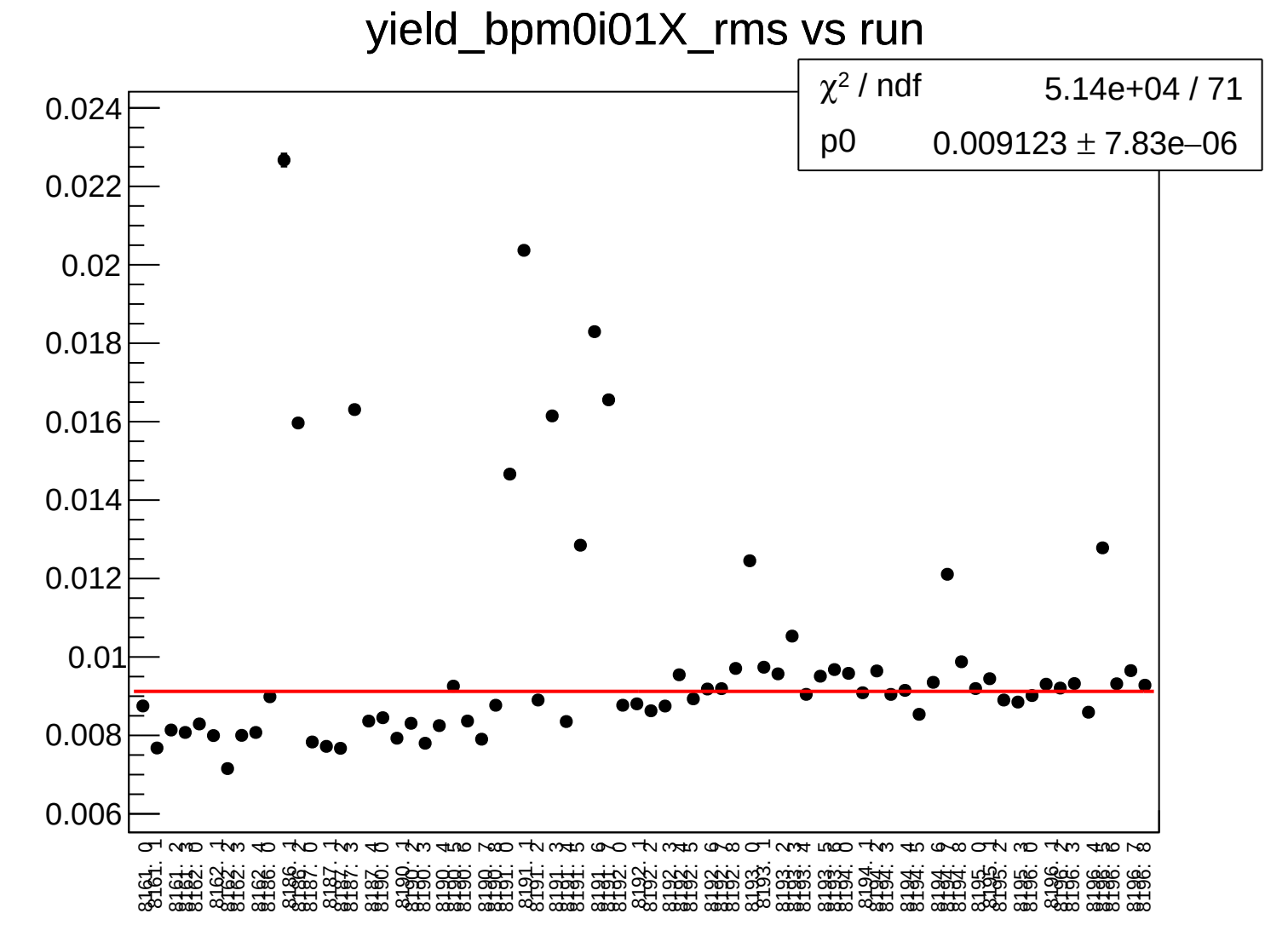

yield_bpm2i02Y_mean vs run
χ² / ndf 1.156e+06 / 71
p0 −1.249 ± 1.279e−05
−1.23
−1.24
−1.25
−1.26
−1.27
pull
Entries 72
Mean 521.8
Std Dev 482.4
200
150
100
50
0
−50
−100
−150
−200
−250

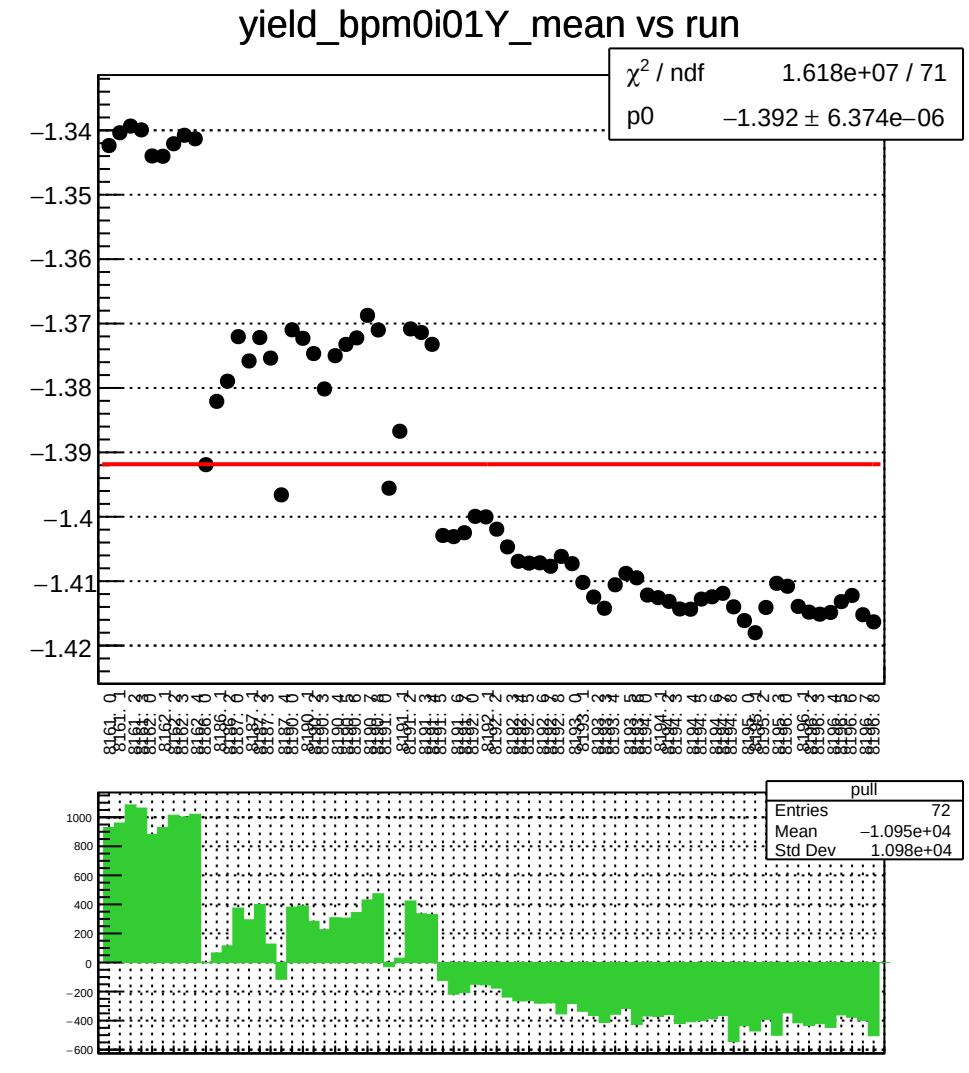

pull1D
Entries 72
Mean −2.676
Std Dev 3.626
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

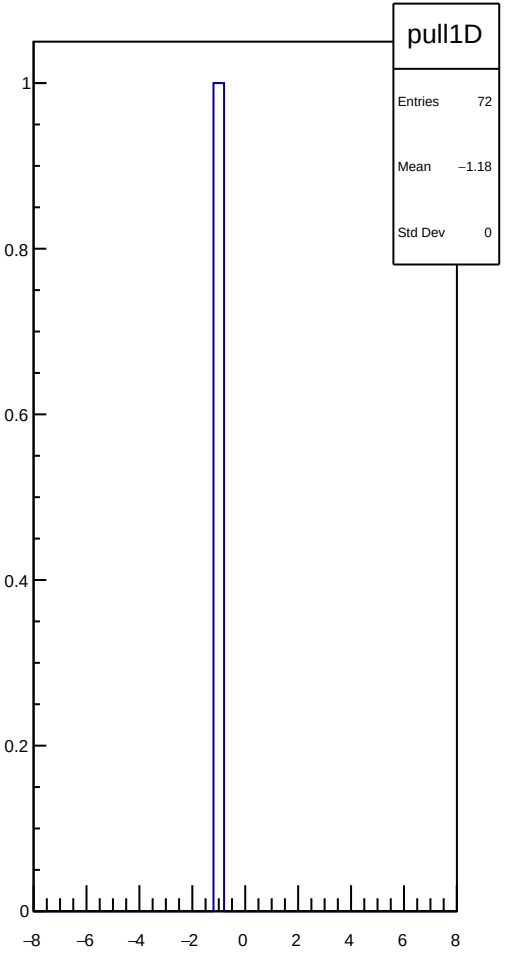

yield_bpm2i02Y_rms vs run
χ² / ndf 7258 / 71
p0 0.01071 ± 9.043e–06
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009

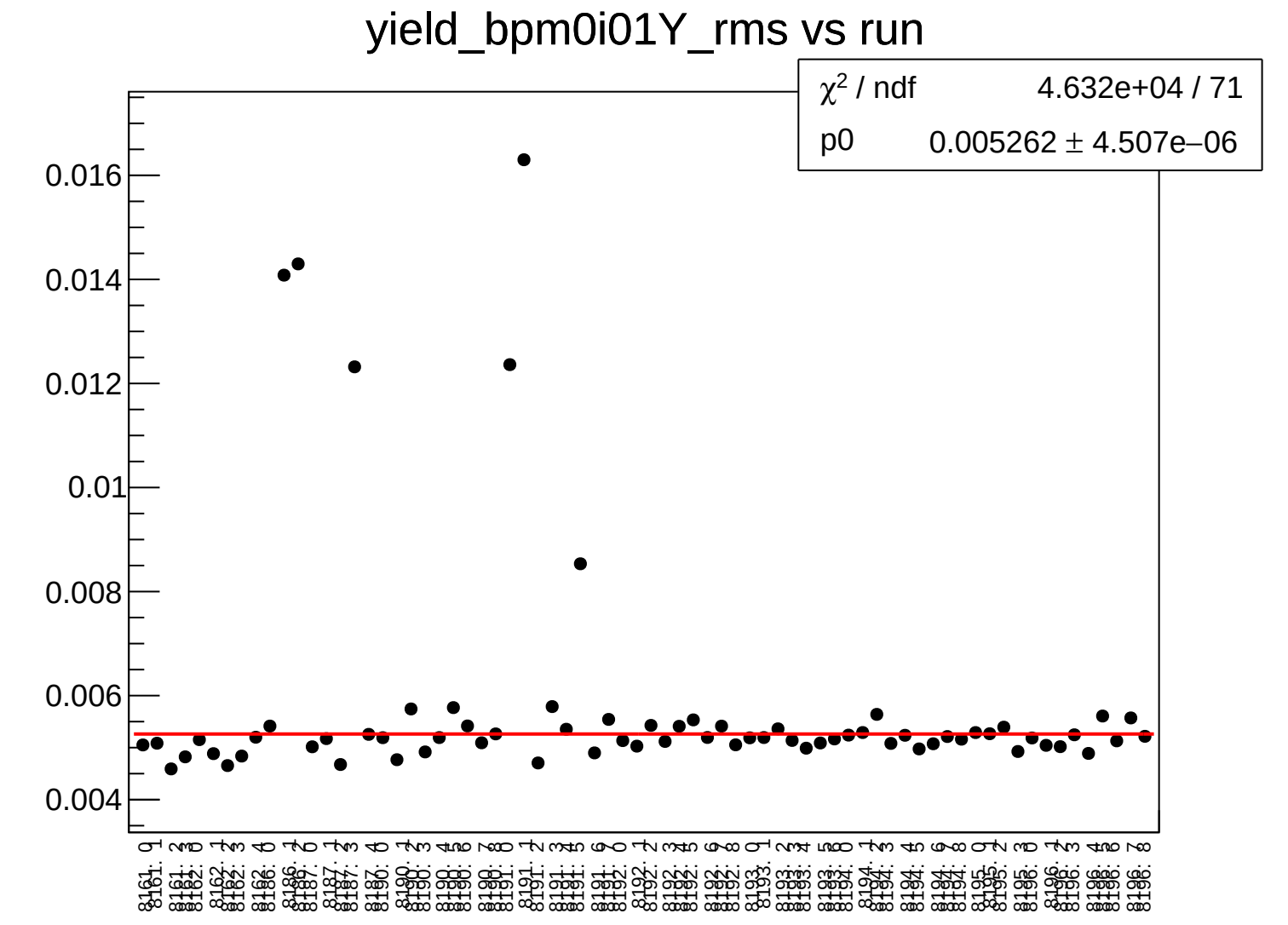

yield_bpm0i01X_mean vs run
χ² / ndf 8.82e+06 / 71
p0 −0.2787 ± 1.107e−05
−0.22
−0.24
−0.26
−0.28
−0.3
−0.32
pull
Entries 72
Mean 723.5
Std Dev 686.9
600
400
200
0
−200
−400

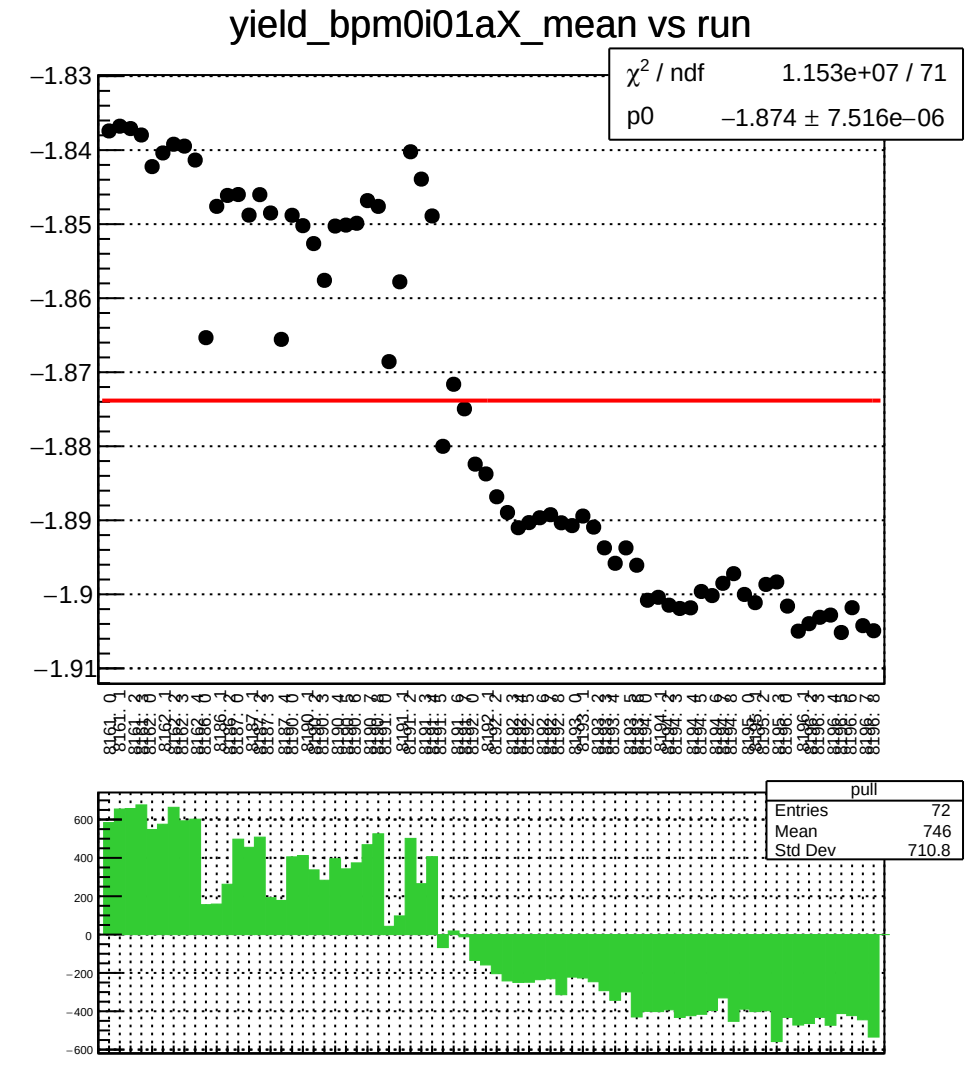

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

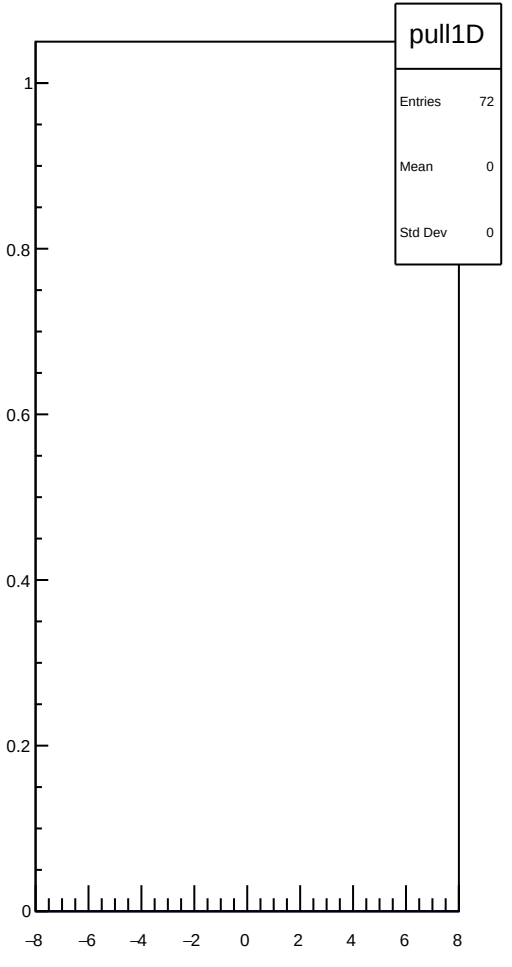

yield_bpm0i01X_rms vs run
χ² / ndf 5.14e+04 / 71
p0 0.009123 ± 7.83e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

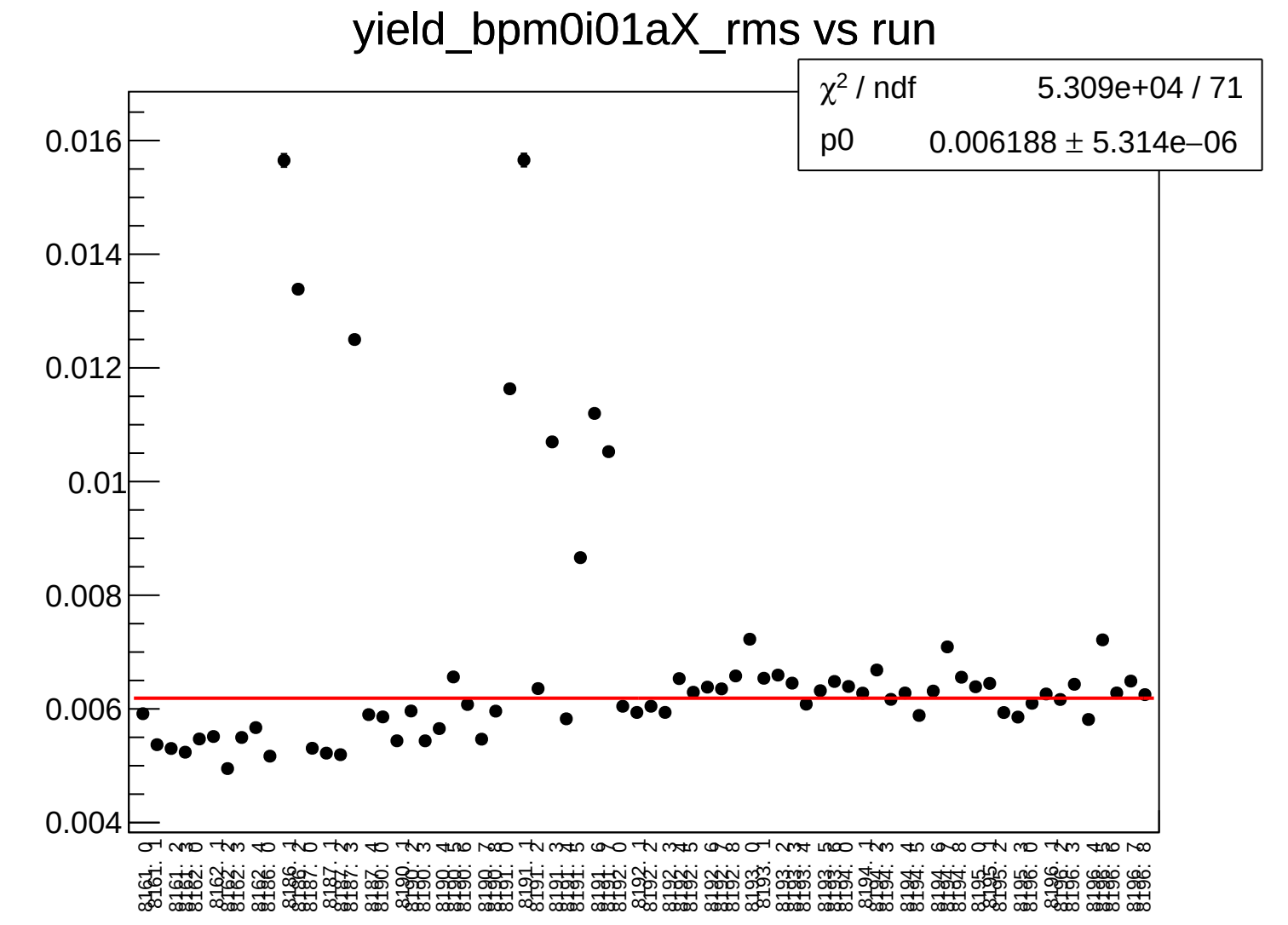

yield_bpm0i01Y_mean vs run
χ² / ndf 1.618e+07 / 71
p0 −1.392 ± 6.374e−06
−1.34
−1.35
−1.36
−1.37
−1.38
−1.39
−1.4
−1.41
−1.42
pull
Entries 72
Mean −1.095e+04
Std Dev 1.098e+04
1000
800
600
400
200
0
−200
−400
−600

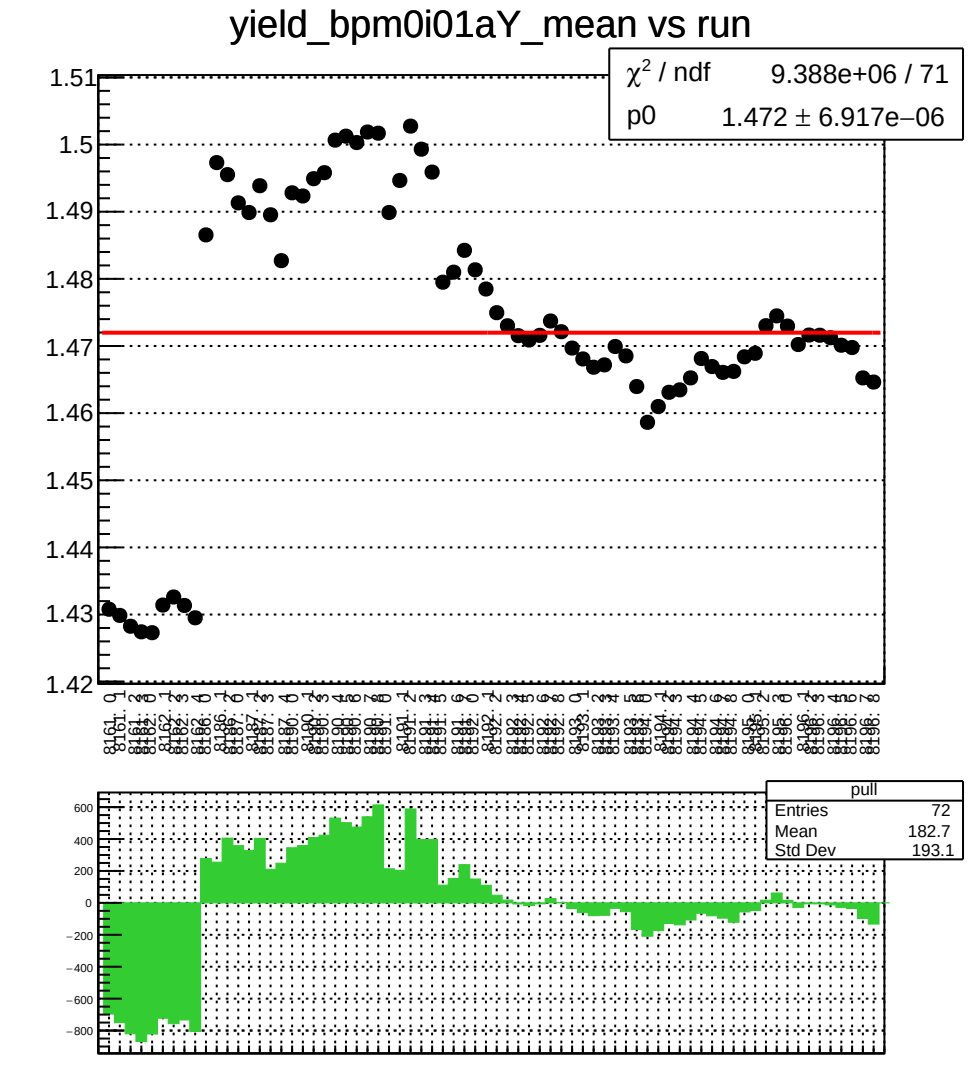

pull1D
Entries 72
Mean −1.18
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

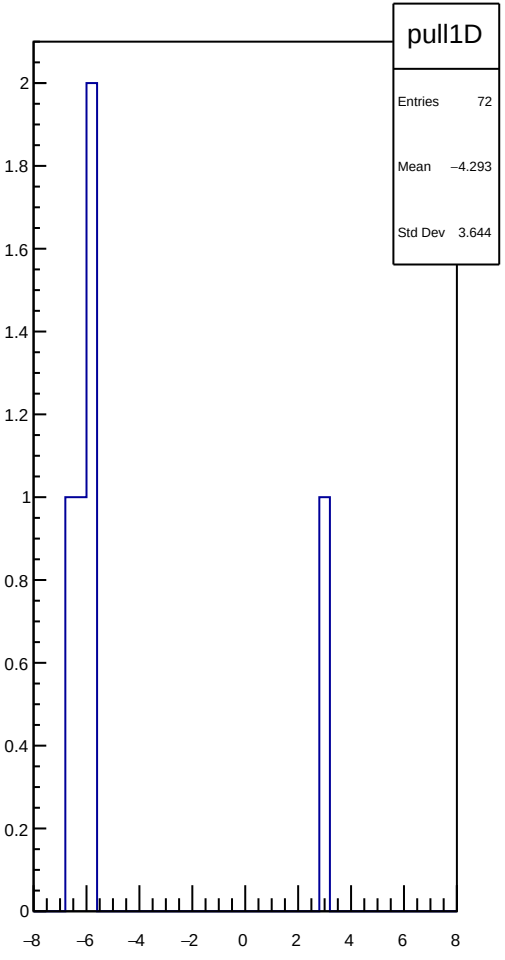

yield_bpm0i01Y_rms vs run
χ² / ndf 4.632e+04 / 71
p0 0.005262 ± 4.507e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004

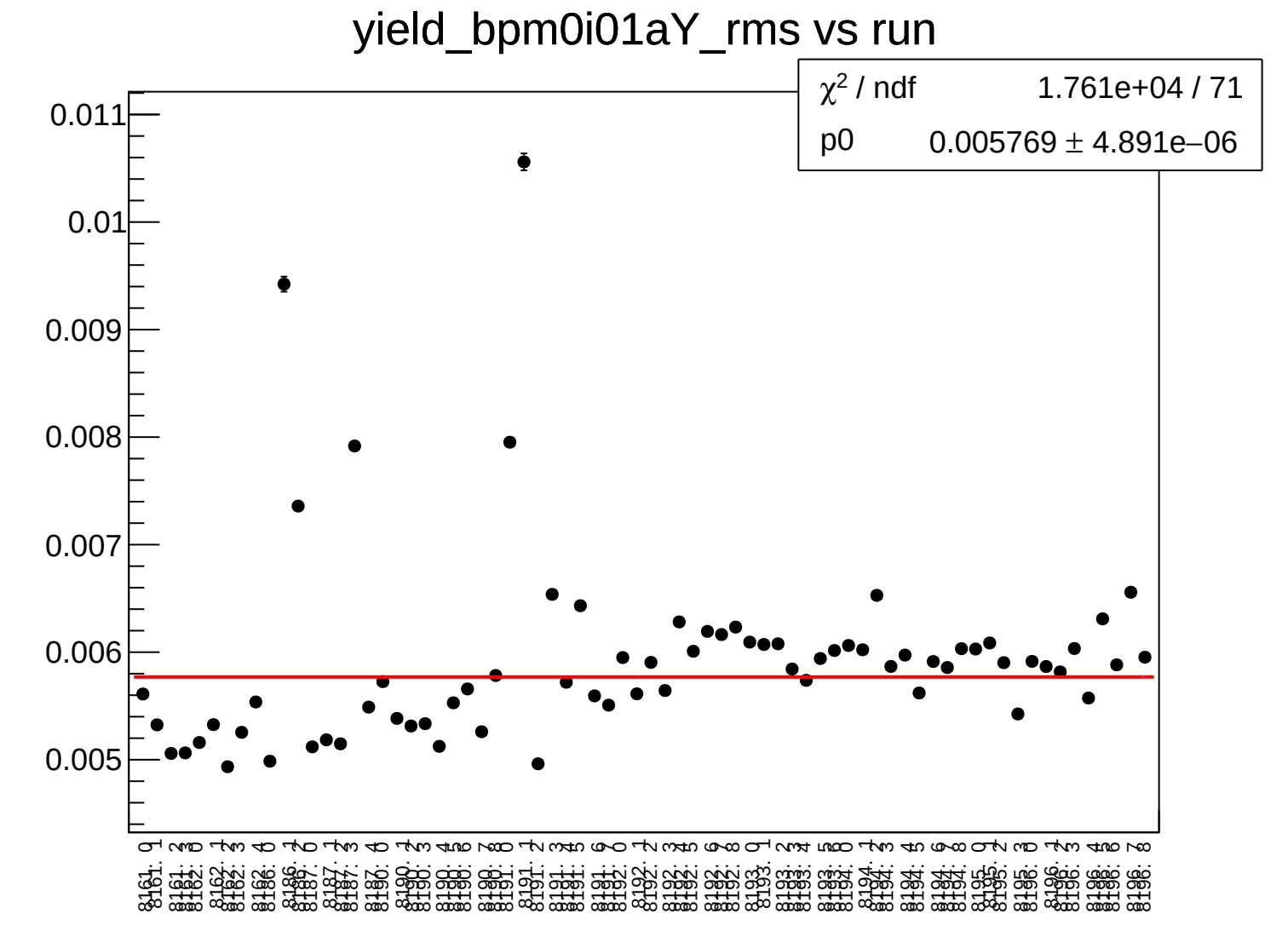

yield_bpm0i01aX_mean vs run
χ² / ndf 1.153e+07 / 71
p0 −1.874 ± 7.516e−06
−1.83
−1.84
−1.85
−1.86
−1.87
−1.88
−1.89
−1.9
−1.91
pull
Entries 72
Mean 746
Std Dev 710.8
600
400
200
0
−200
−400
−600

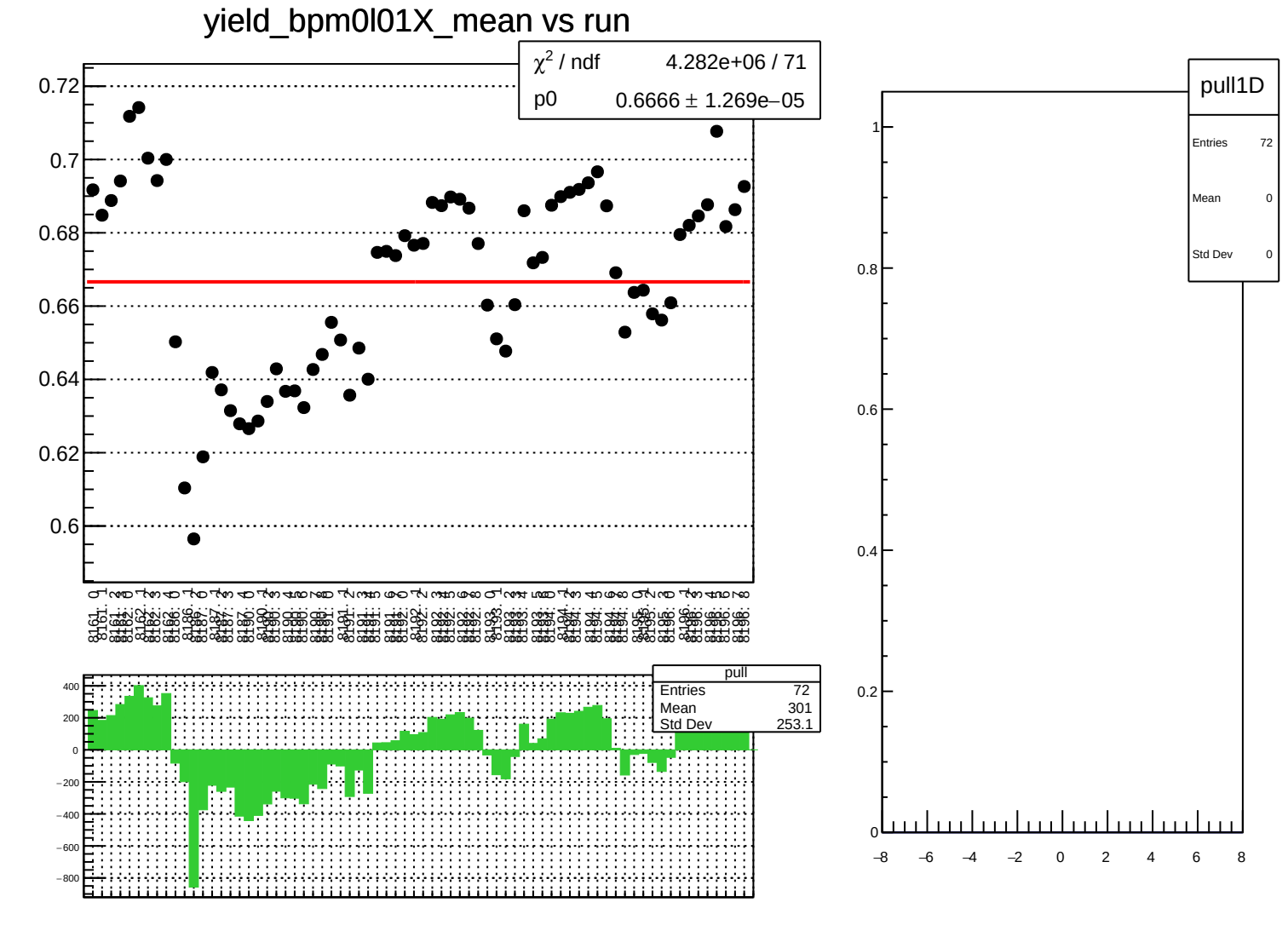

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

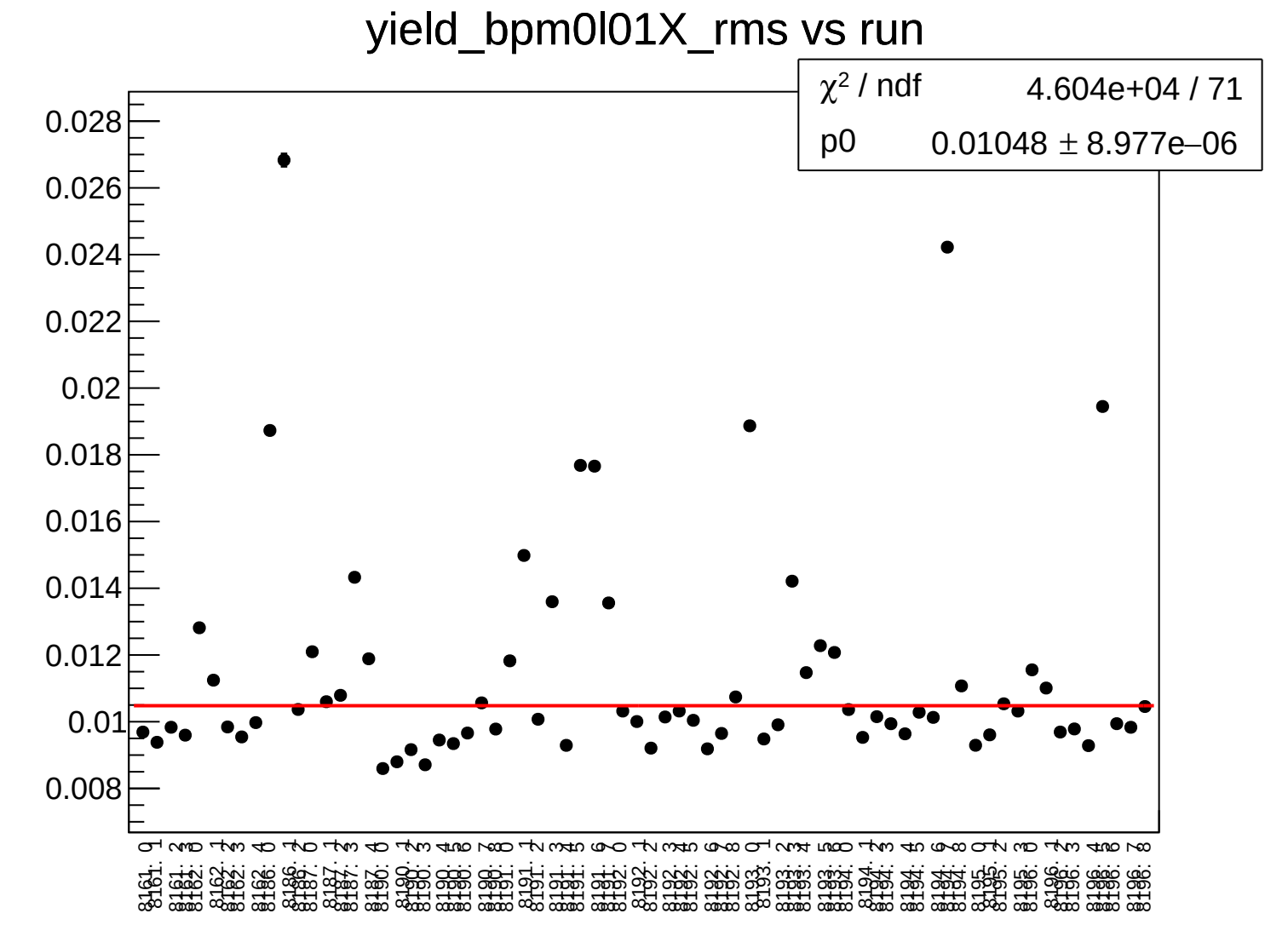

yield_bpm0i01aX_rms vs run
χ² / ndf 5.309e+04 / 71
p0 0.006188 ± 5.314e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004

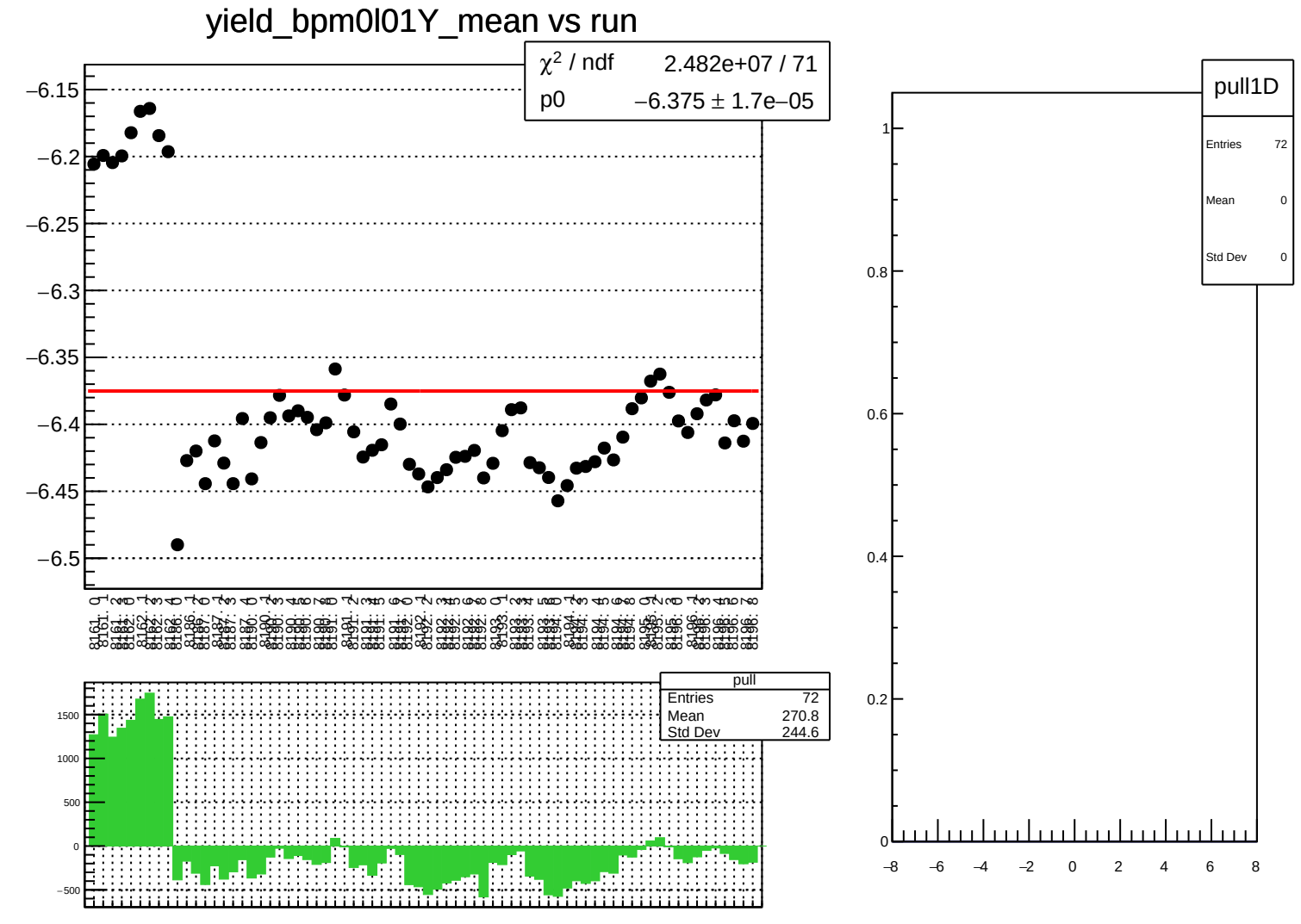

yield_bpm0i01aY_mean vs run
χ² / ndf 9.388e+06 / 71
p0 1.472 ± 6.917e−06
pull
Entries 72
Mean 182.7
Std Dev 193.1

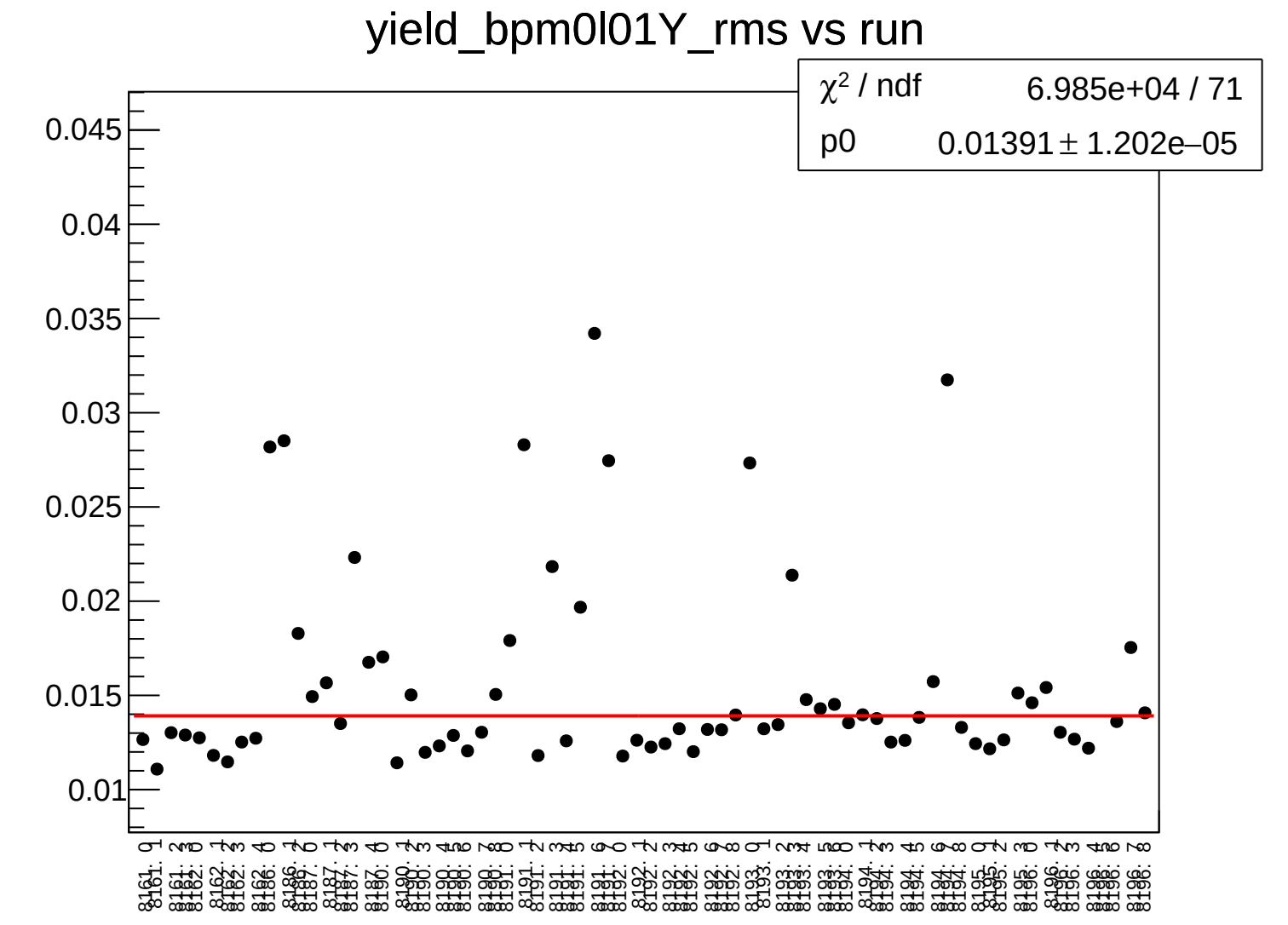

pull1D
Entries 72
Mean −4.293
Std Dev 3.644

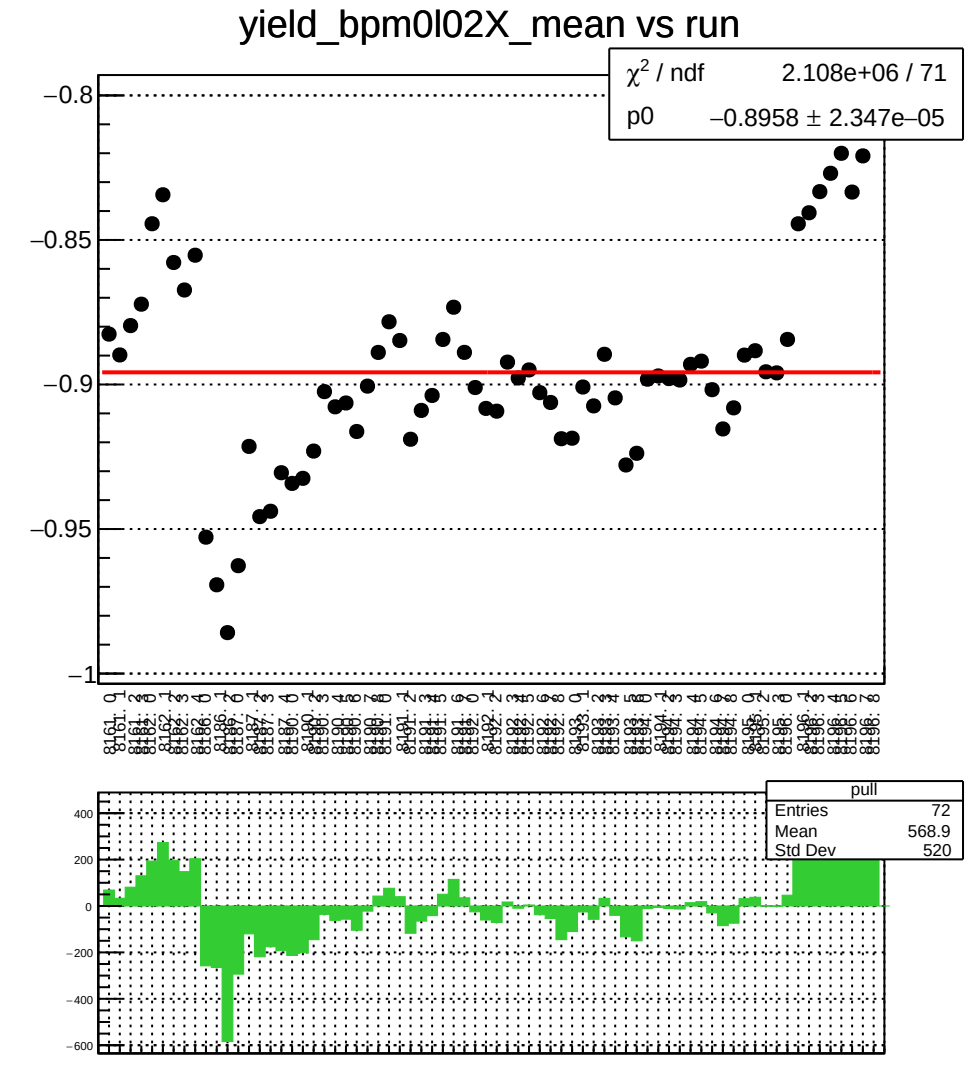

yield_bpm0i01aY_rms vs run
χ² / ndf 1.761e+04 / 71
p0 0.005769 ± 4.891e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005

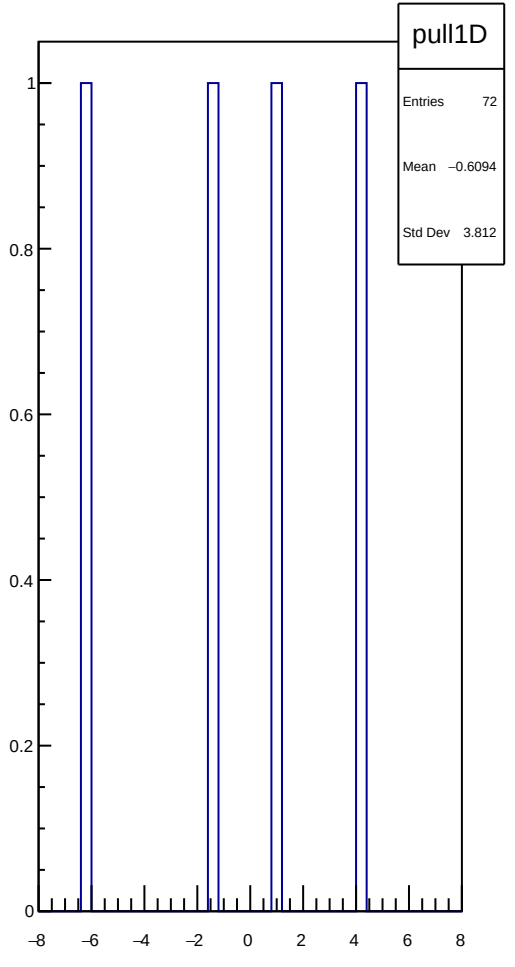

yield_bpm0l01X_mean vs run
χ² / ndf 4.282e+06 / 71
p0 0.6666 ± 1.269e−05
0.72
0.7
0.68
0.66
0.64
0.62
0.6
pull
Entries 72
Mean 301
Std Dev 253.1
400
200
0
−200
−400
−600
−800
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

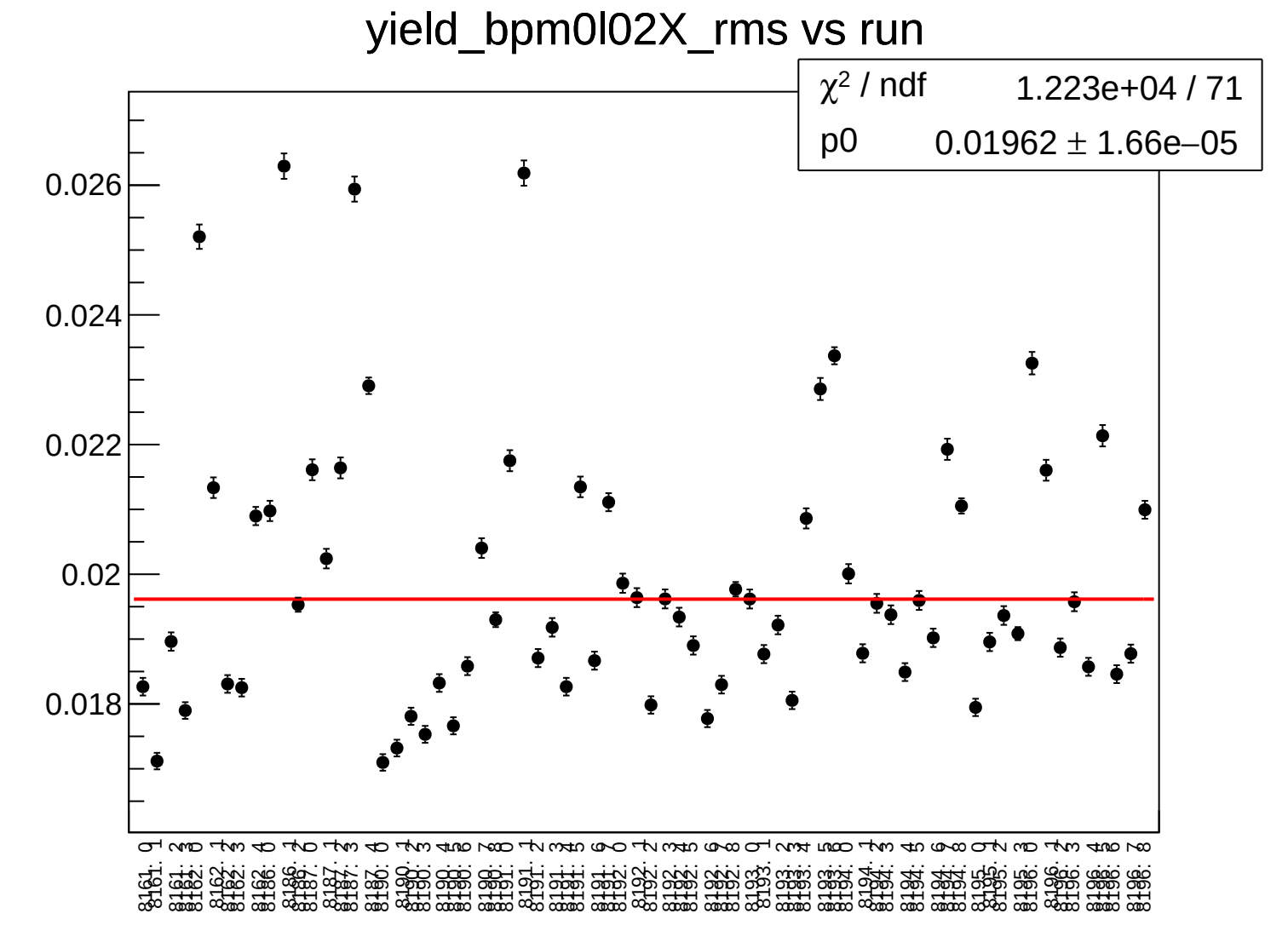

yield_bpm0l01X_rms vs run
χ² / ndf 4.604e+04 / 71
p0 0.01048 ± 8.977e–06
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008

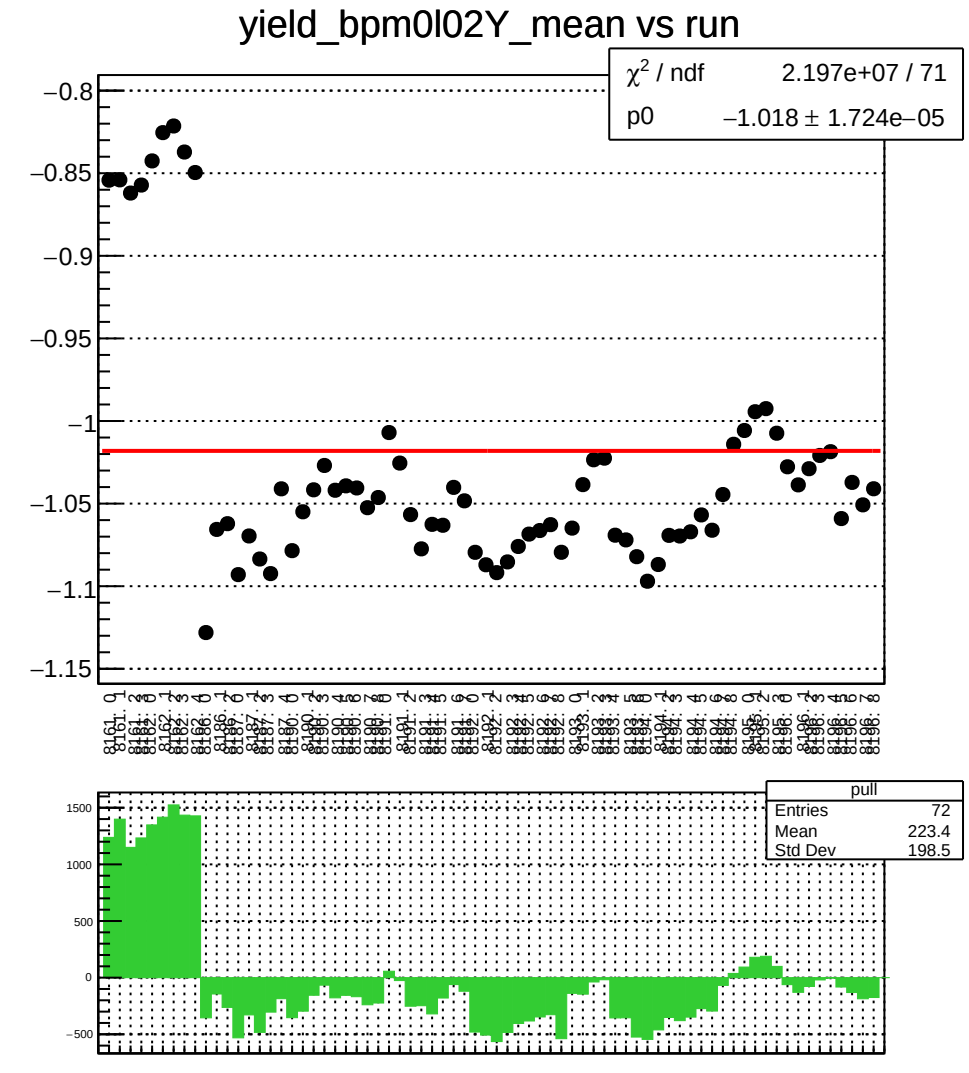

yield_bpm0l01Y_mean vs run
χ² / ndf 2.482e+07 / 71
p0 −6.375 ± 1.7e−05
−6.15
−6.2
−6.25
−6.3
−6.35
−6.4
−6.45
−6.5
pull
Entries 72
Mean 270.8
Std Dev 244.6
1500
1000
500
0
−500
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

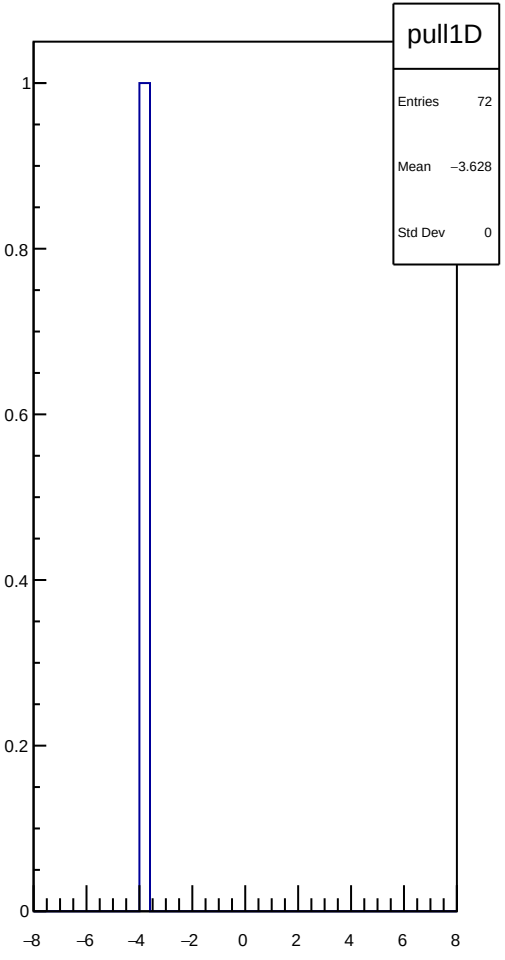

yield_bpm0l01Y_rms vs run
χ² / ndf 6.985e+04 / 71
p0 0.01391 ± 1.202e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

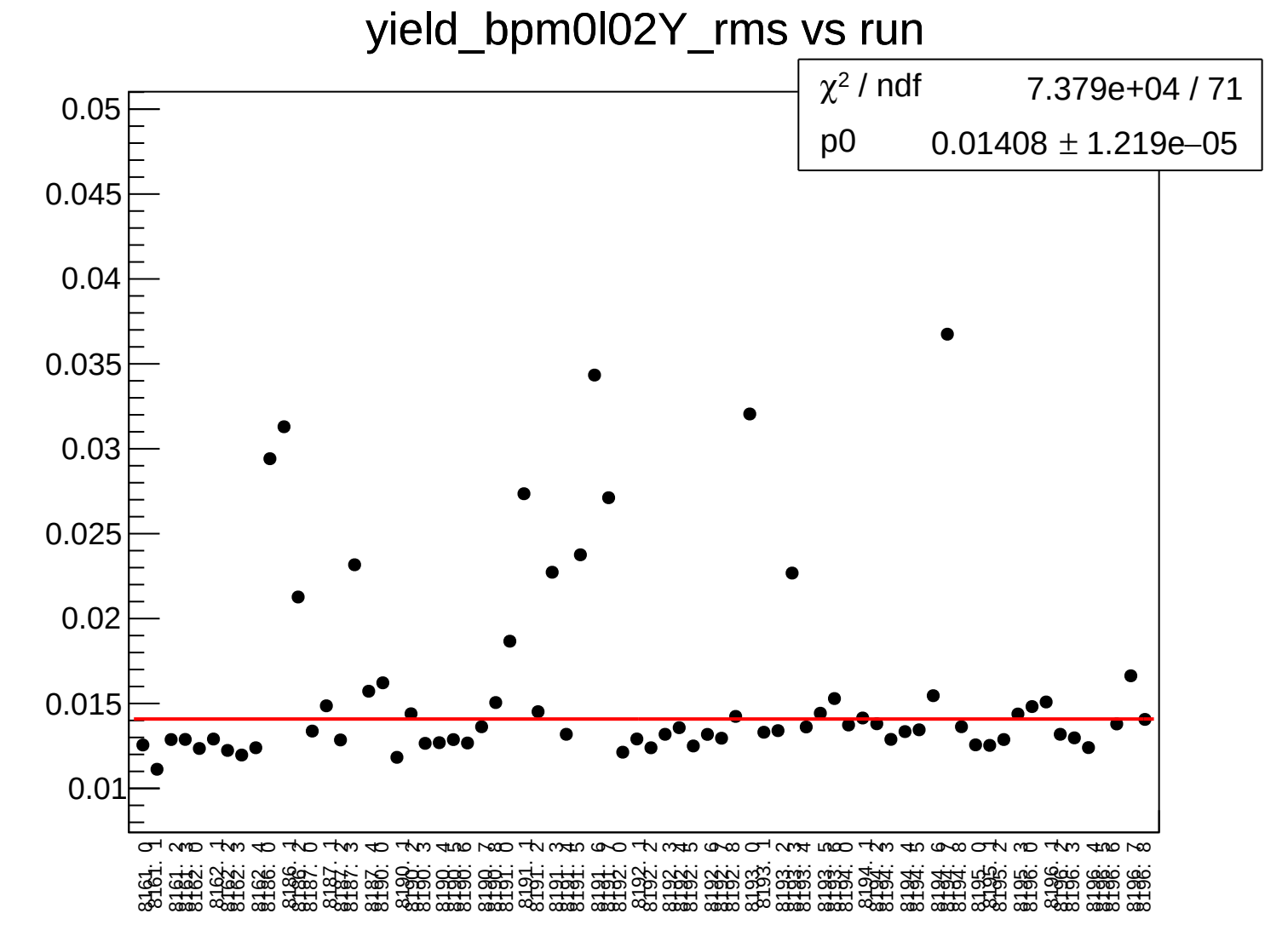

yield_bpm0l02X_mean vs run
χ² / ndf 2.108e+06 / 71
p0 −0.8958 ± 2.347e−05
pull
Entries 72
Mean 568.9
Std Dev 520

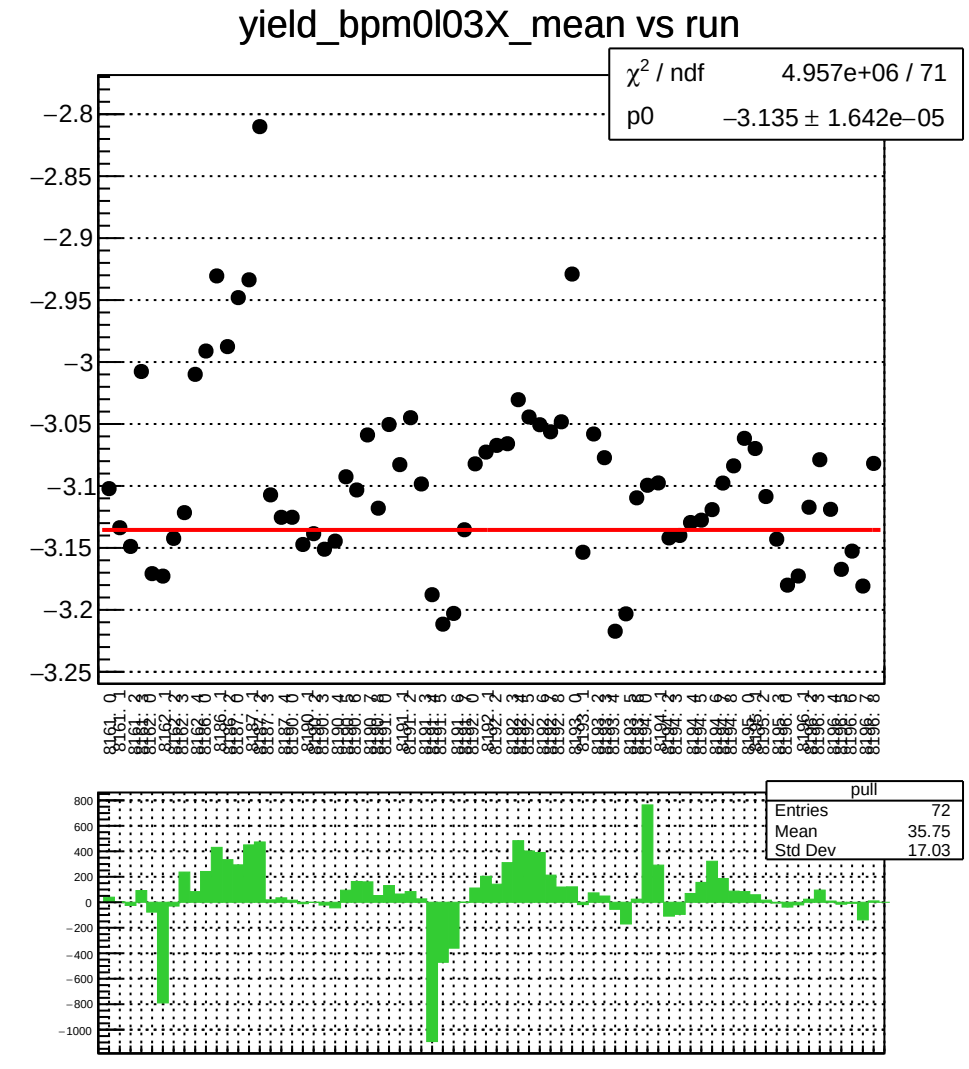

pull1D
Entries 72
Mean −0.6094
Std Dev 3.812

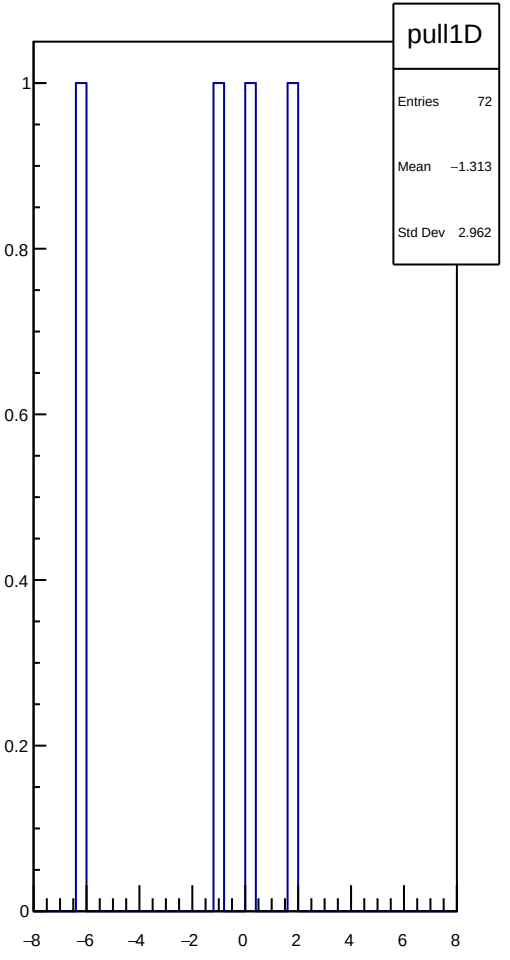

yield_bpm0l02X_rms vs run
χ² / ndf 1.223e+04 / 71
p0 0.01962 ± 1.66e−05
0.026
0.024
0.022
0.02
0.018

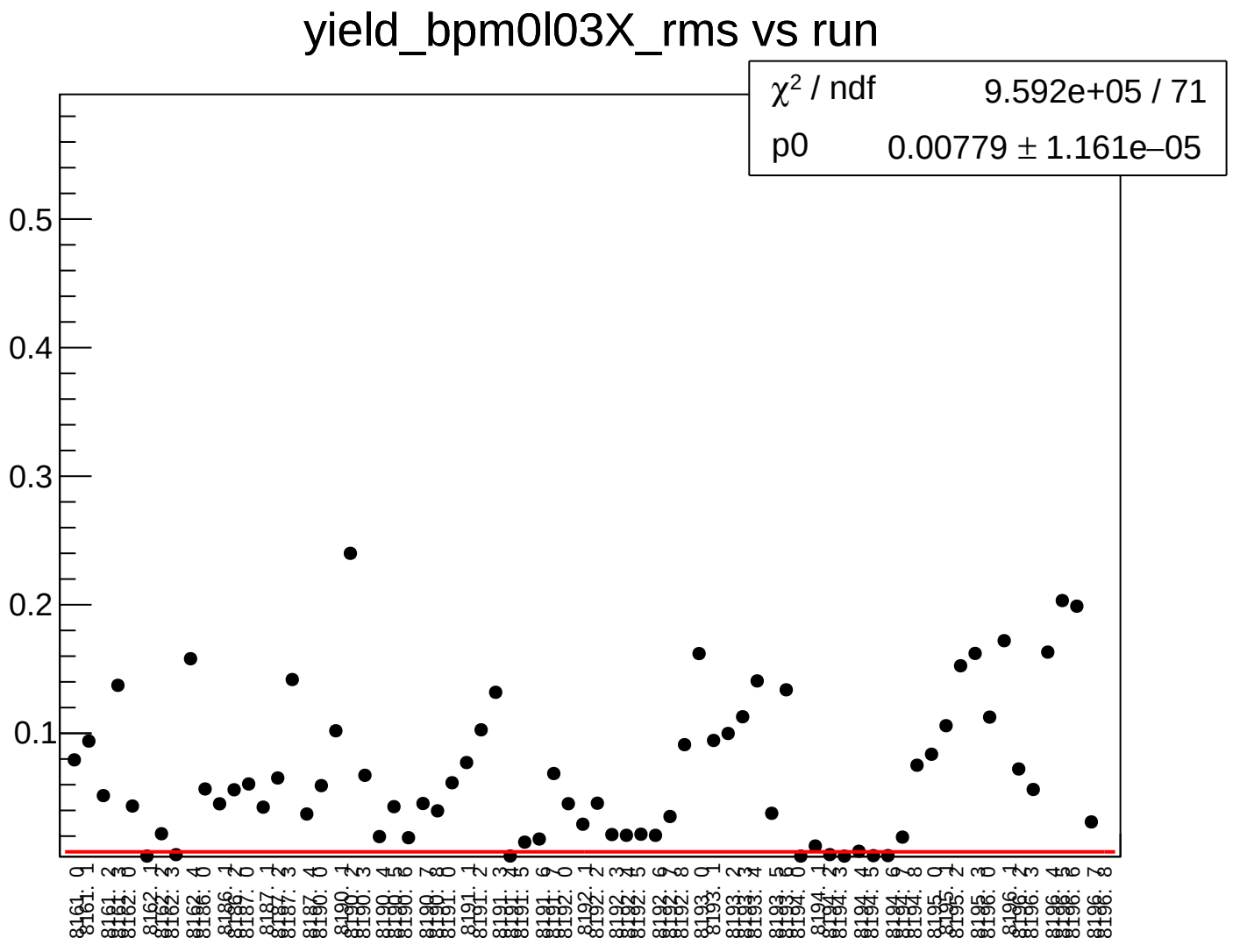

yield_bpm0l02Y_mean vs run
χ² / ndf 2.197e+07 / 71
p0 −1.018 ± 1.724e−05
pull
Entries 72
Mean 223.4
Std Dev 198.5

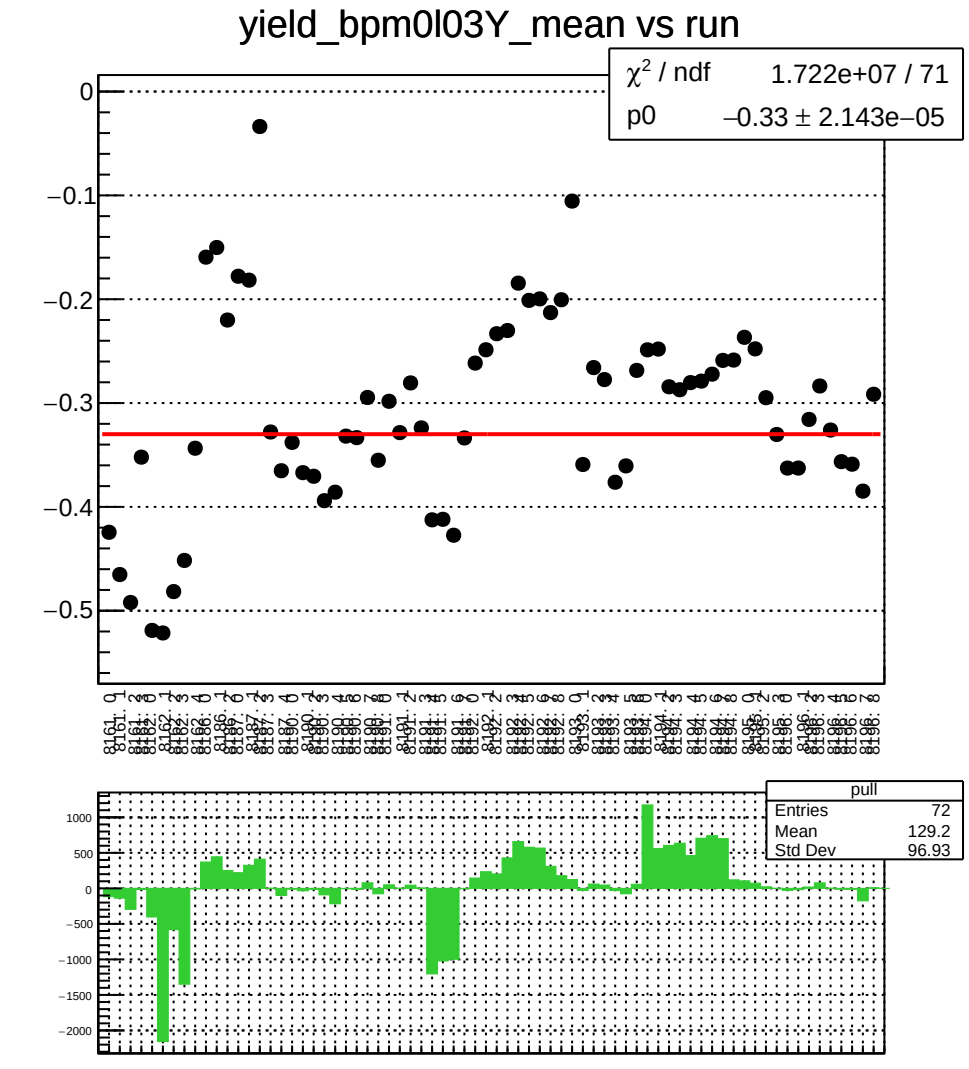

pull1D
Entries 72
Mean −3.628
Std Dev 0

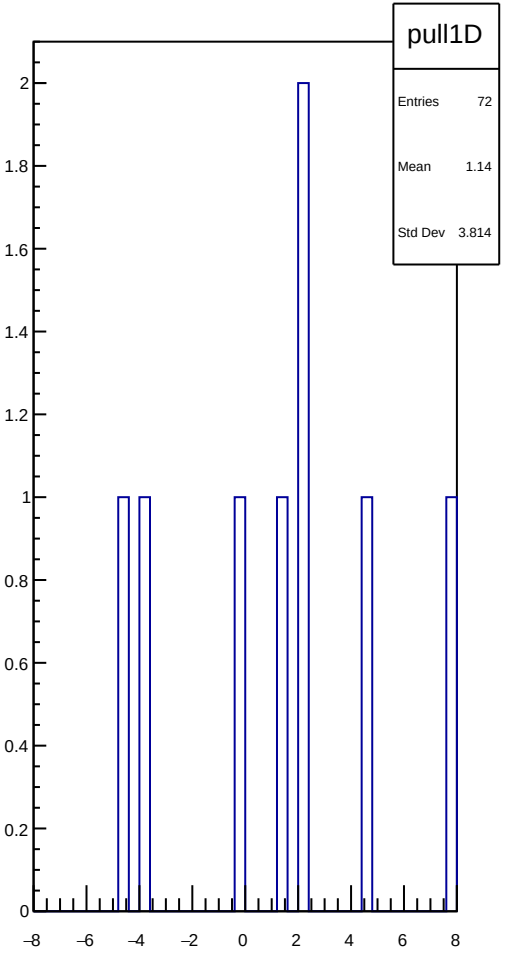

yield_bpm0l02Y_rms vs run
χ² / ndf 7.379e+04 / 71
p0 0.01408 ± 1.219e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

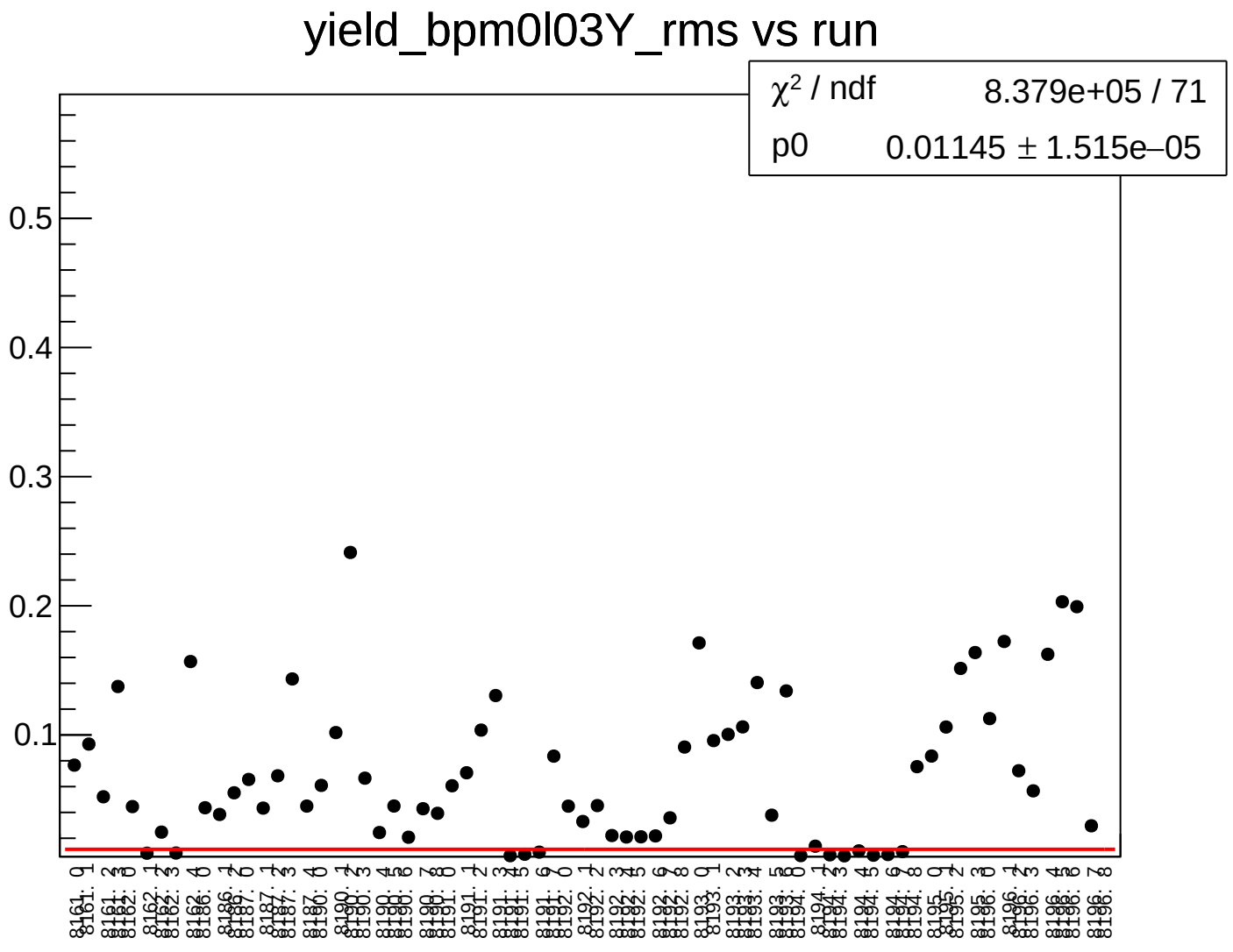

yield_bpm0l03X_mean vs run
χ² / ndf 4.957e+06 / 71
p0 −3.135 ± 1.642e−05
pull
Entries 72
Mean 35.75
Std Dev 17.03

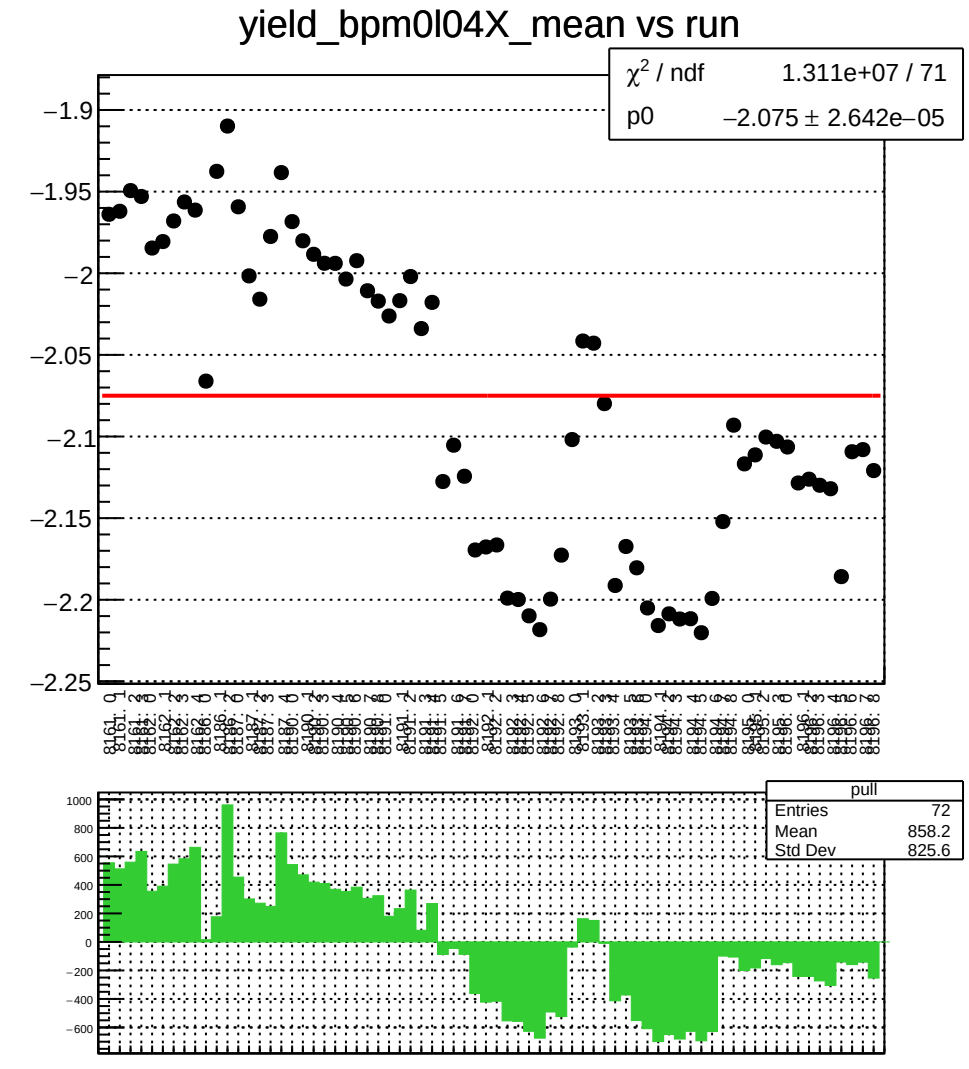

pull1D
Entries 72
Mean −1.313
Std Dev 2.962

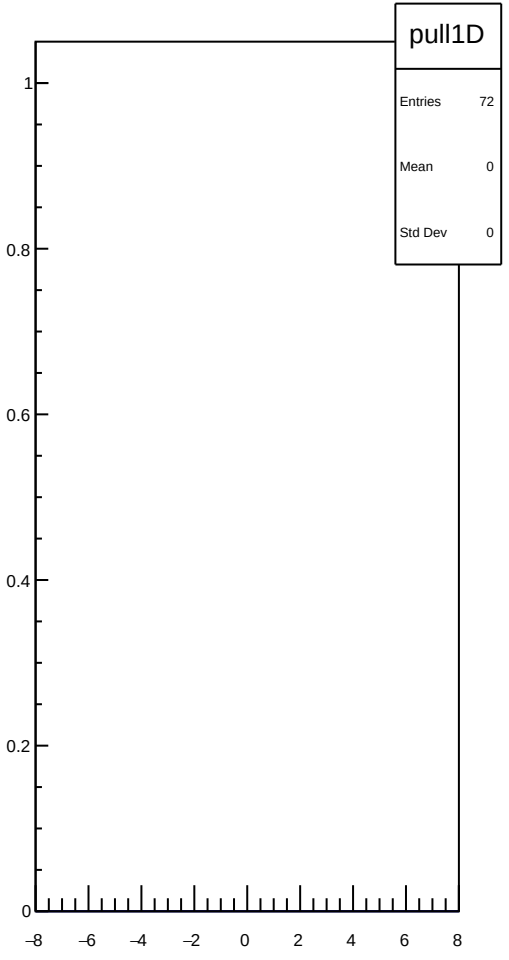

yield_bpm0l03X_rms vs run
χ² / ndf 9.592e+05 / 71
p0 0.00779 ± 1.161e−05
0.5
0.4
0.3
0.2
0.1

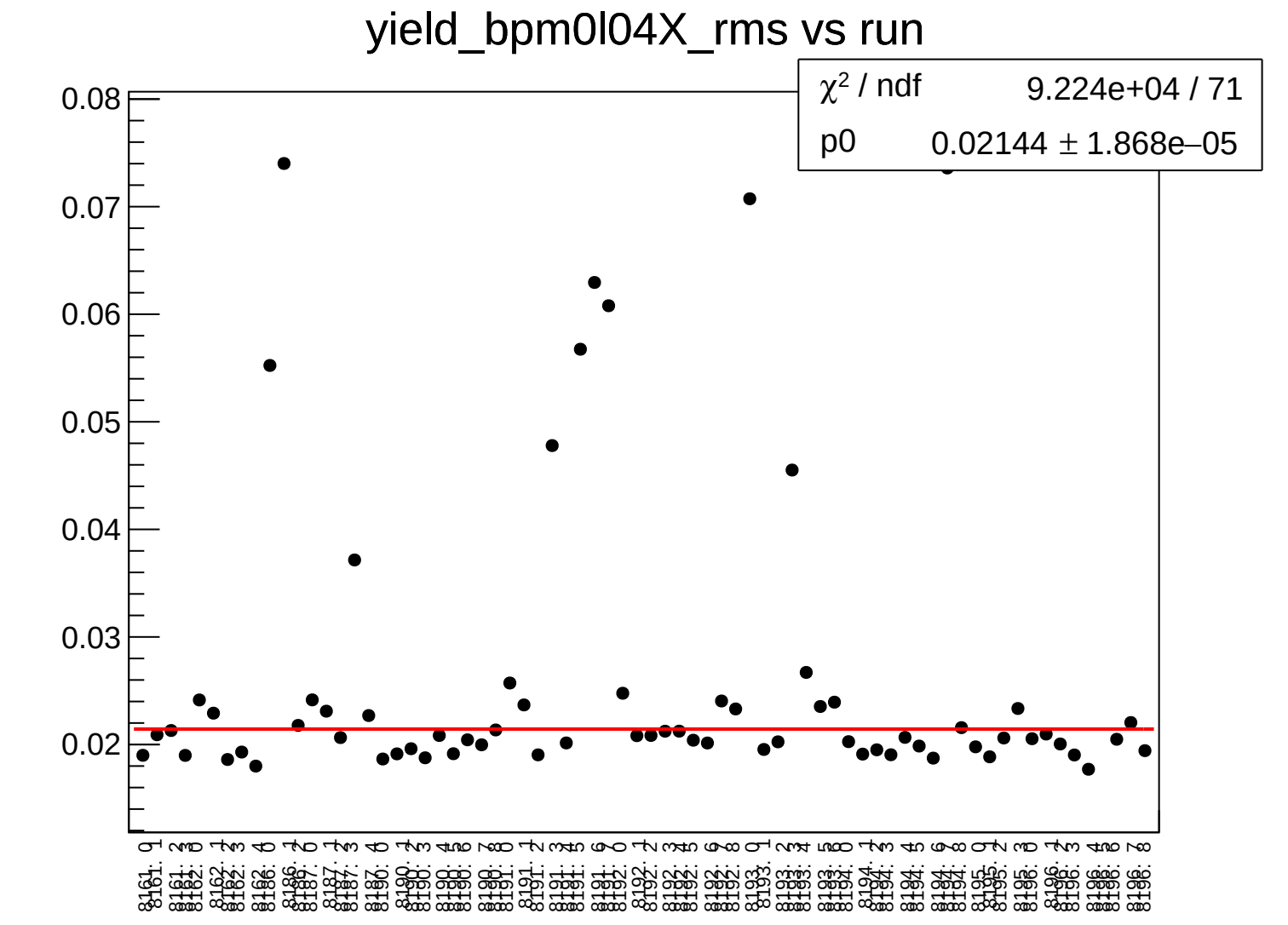

yield_bpm0l03Y_mean vs run
χ² / ndf 1.722e+07 / 71
p0 −0.33 ± 2.143e−05
pull
Entries 72
Mean 129.2
Std Dev 96.93

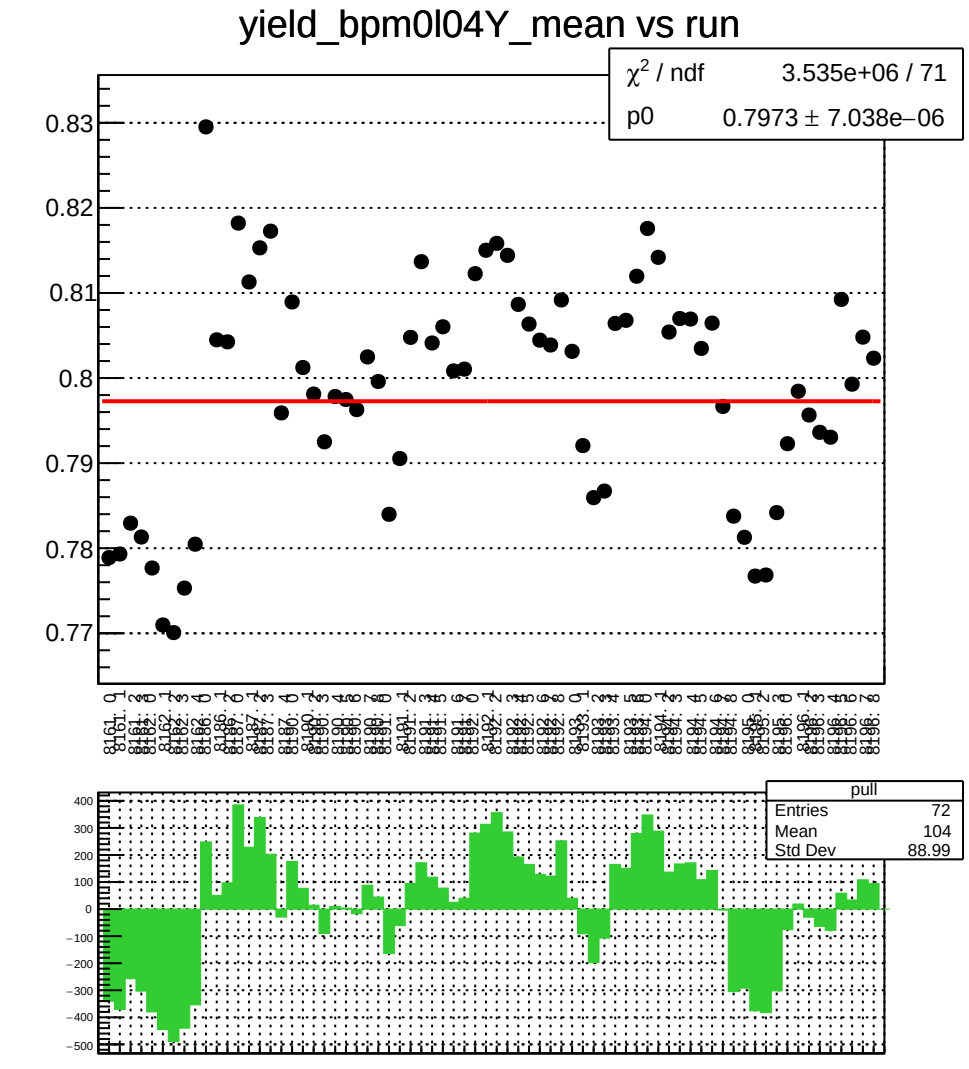

pull1D
Entries 72
Mean 1.14
Std Dev 3.814

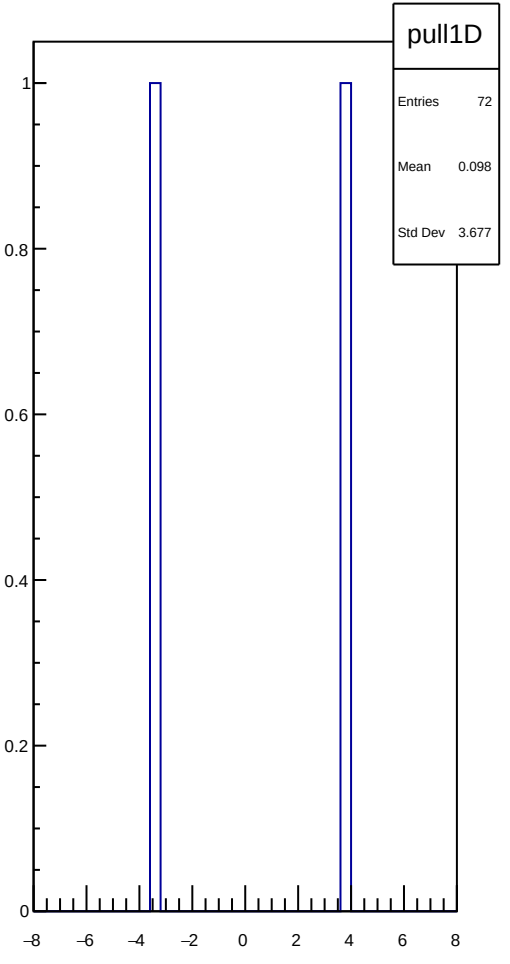

yield_bpm0l03Y_rms vs run
χ² / ndf 8.379e+05 / 71
p0 0.01145 ± 1.515e−05
0.5
0.4
0.3
0.2
0.1

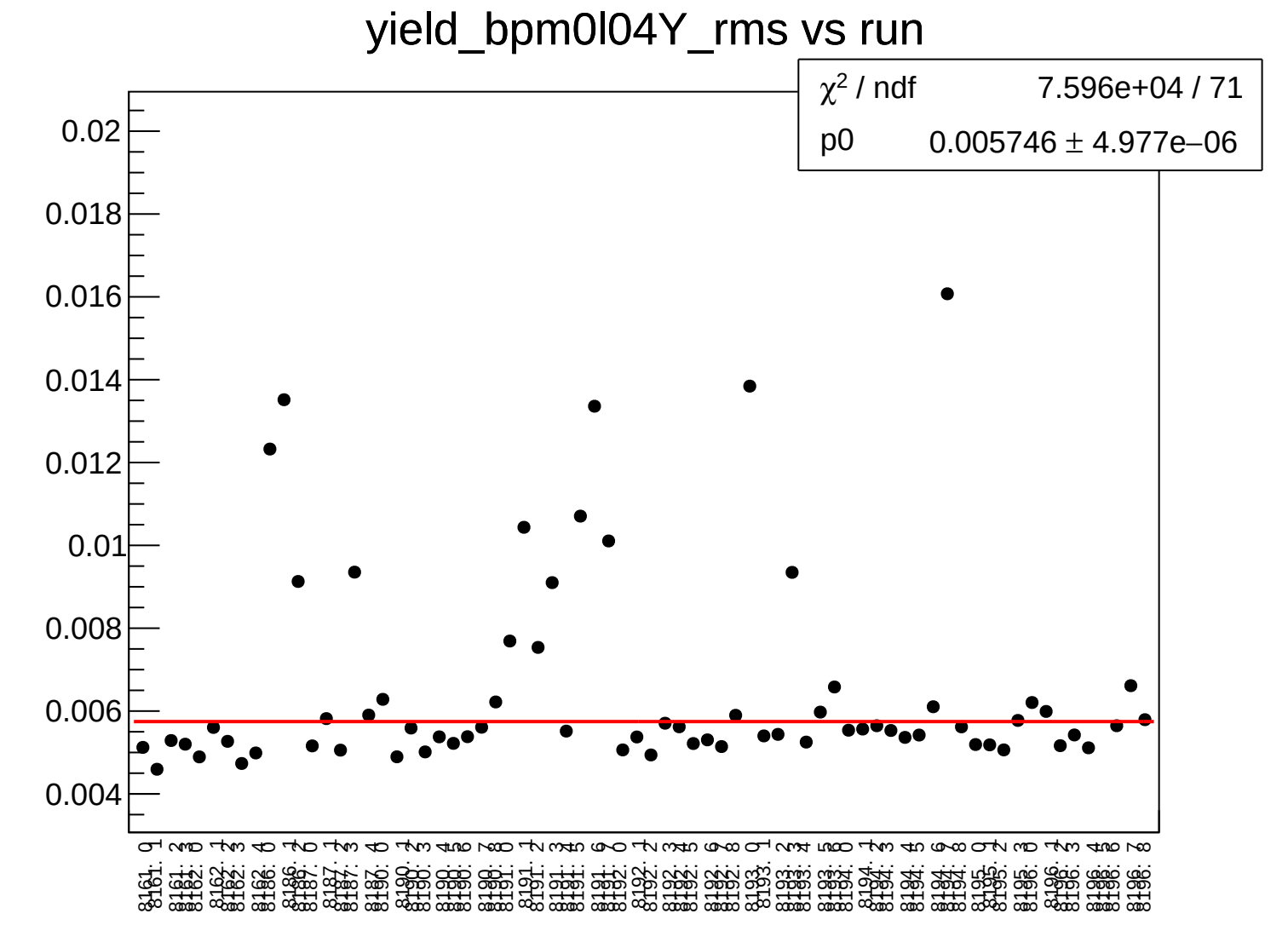

yield_bpm0l04X_mean vs run
χ² / ndf 1.311e+07 / 71
p0 −2.075 ± 2.642e−05
pull
Entries 72
Mean 858.2
Std Dev 825.6

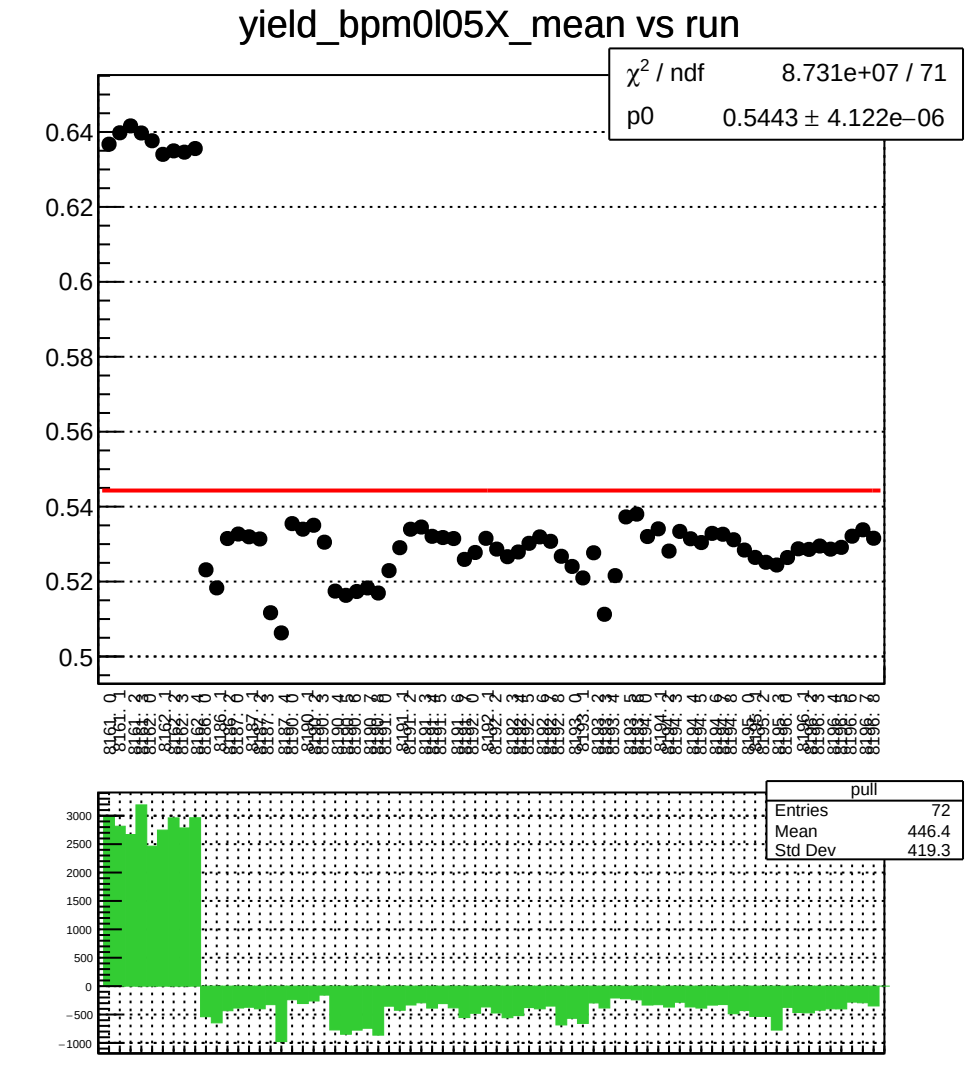

pull1D
Entries 72
Mean 0
Std Dev 0

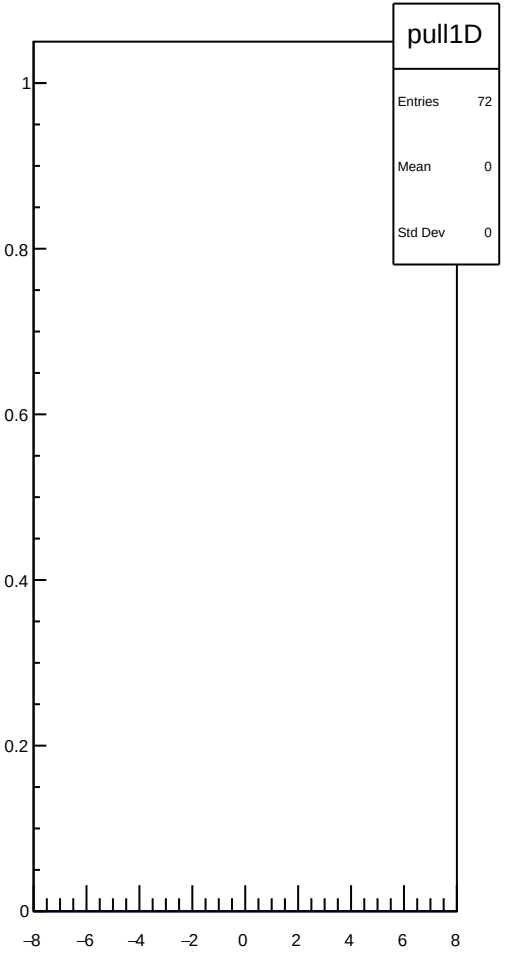

yield_bpm0l04X_rms vs run
χ^2 / ndf 9.224e+04 / 71
p0 0.02144 ± 1.868e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02

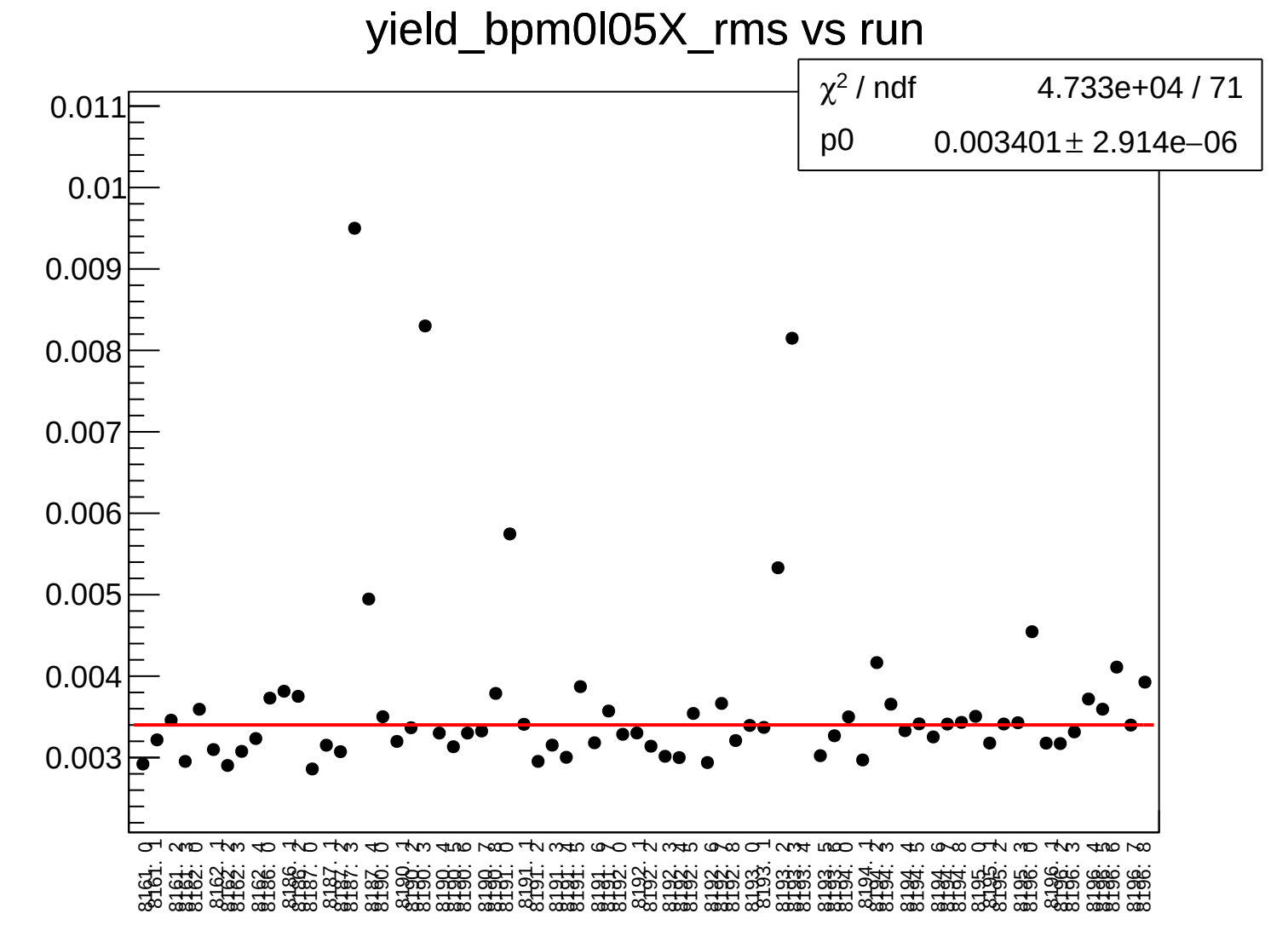

yield_bpm0l04Y_mean vs run
χ² / ndf 3.535e+06 / 71
p0 0.7973 ± 7.038e−06
0.83
0.82
0.81
0.8
0.79
0.78
0.77
pull
Entries 72
Mean 104
Std Dev 88.99
400
300
200
100
0
−100
−200
−300
−400
−500

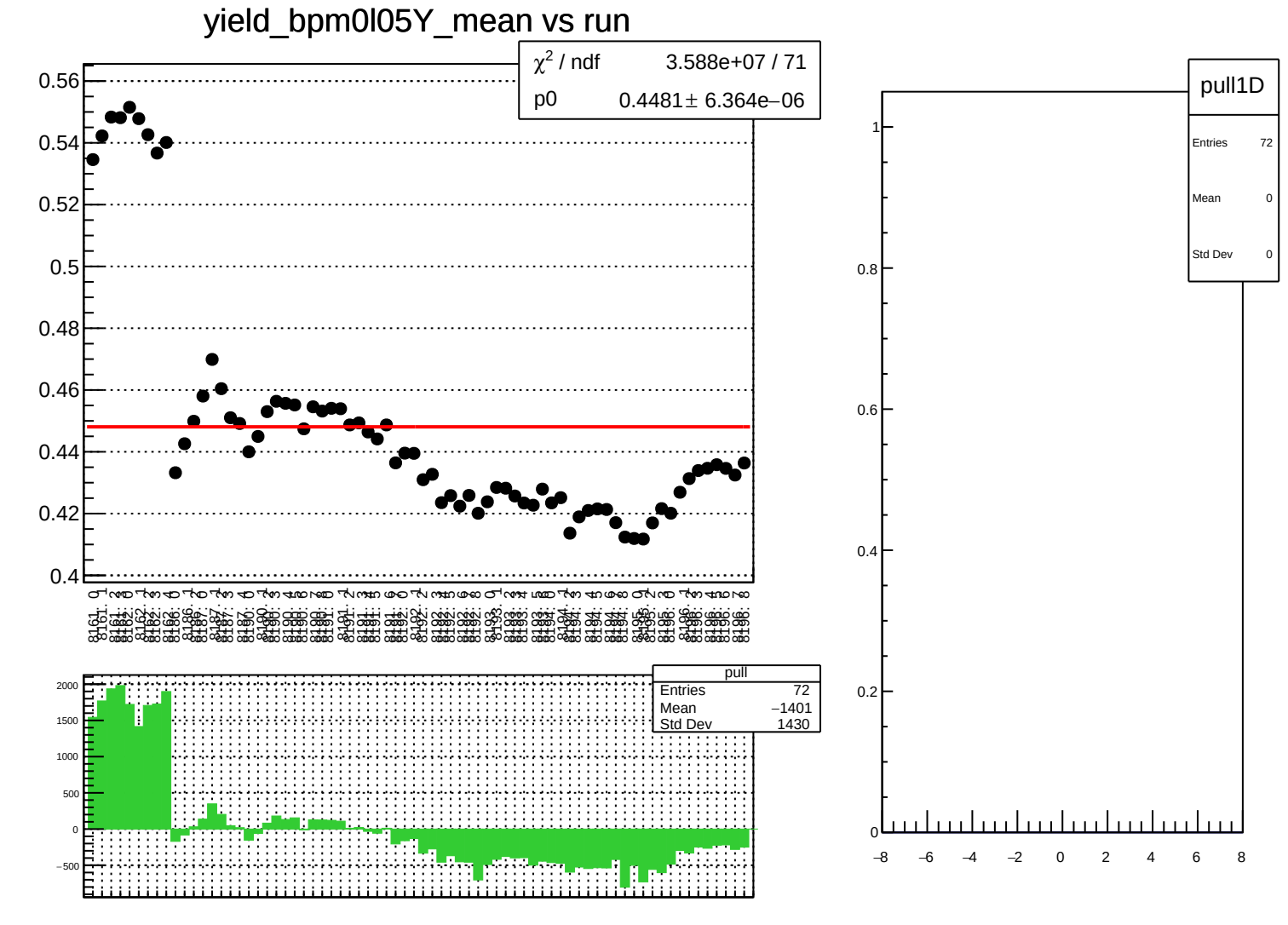

pull1D
Entries 72
Mean 0.098
Std Dev 3.677
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

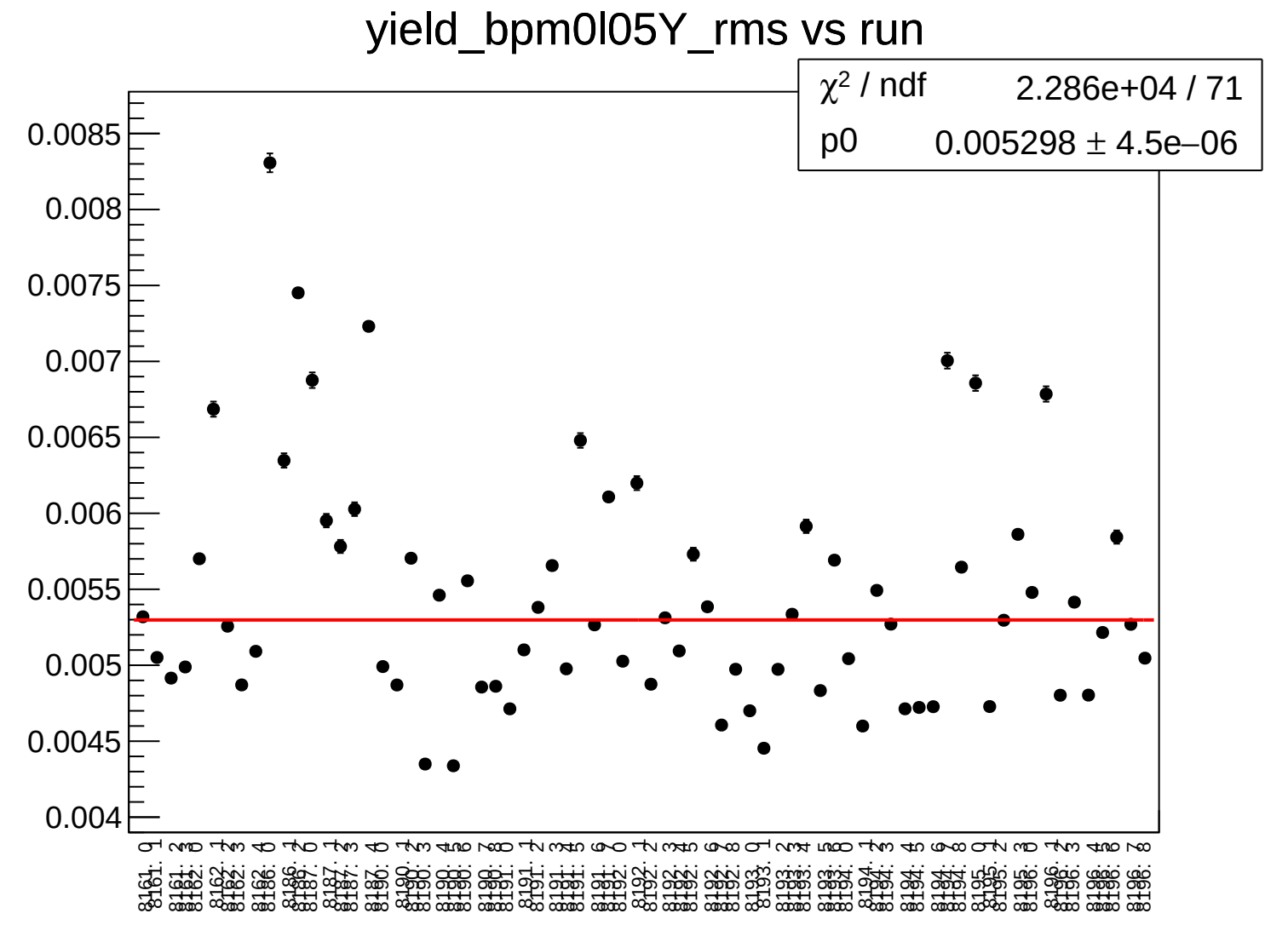

yield_bpm0l04Y_rms vs run
χ² / ndf 7.596e+04 / 71
p0 0.005746 ± 4.977e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

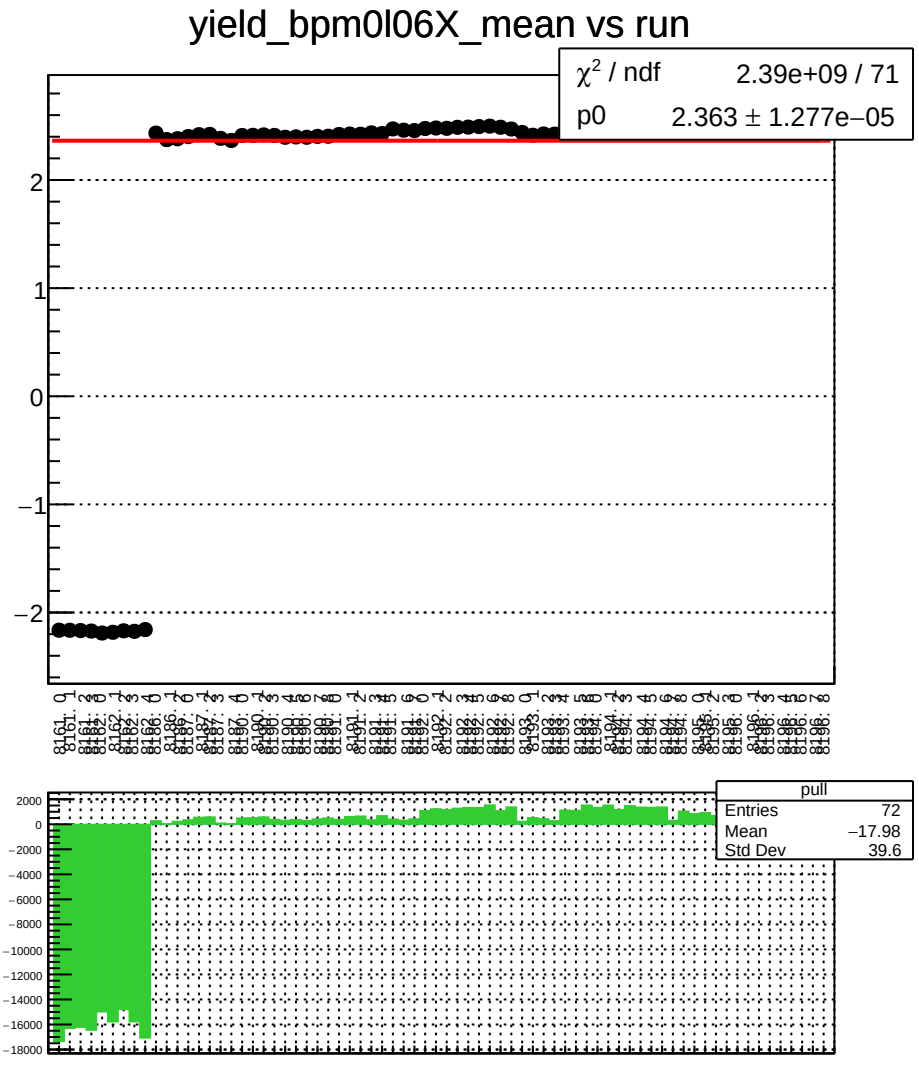

yield_bpm0l05X_mean vs run
χ² / ndf 8.731e+07 / 71
p0 0.5443 ± 4.122e−06
0.64
0.62
0.6
0.58
0.56
0.54
0.52
0.5
pull
Entries 72
Mean 446.4
Std Dev 419.3
3000
2500
2000
1500
1000
500
0
−500
−1000

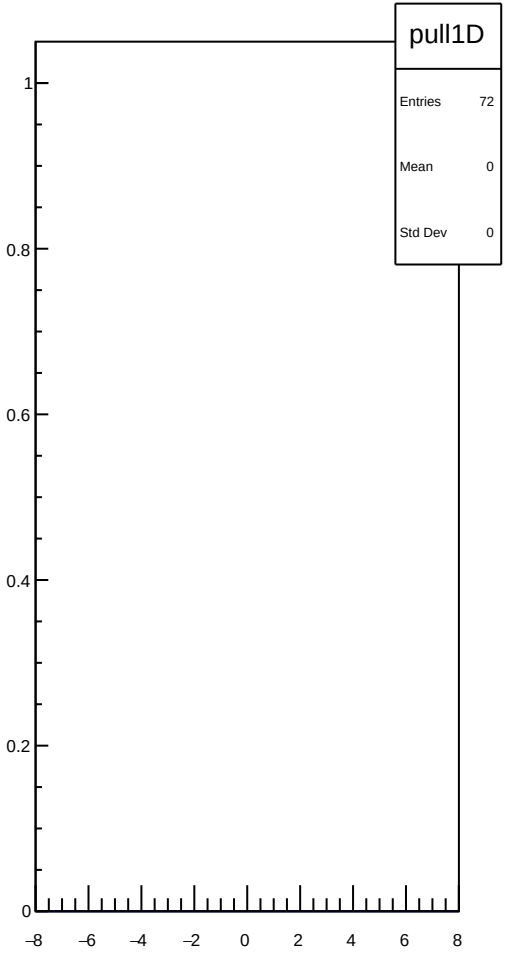

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

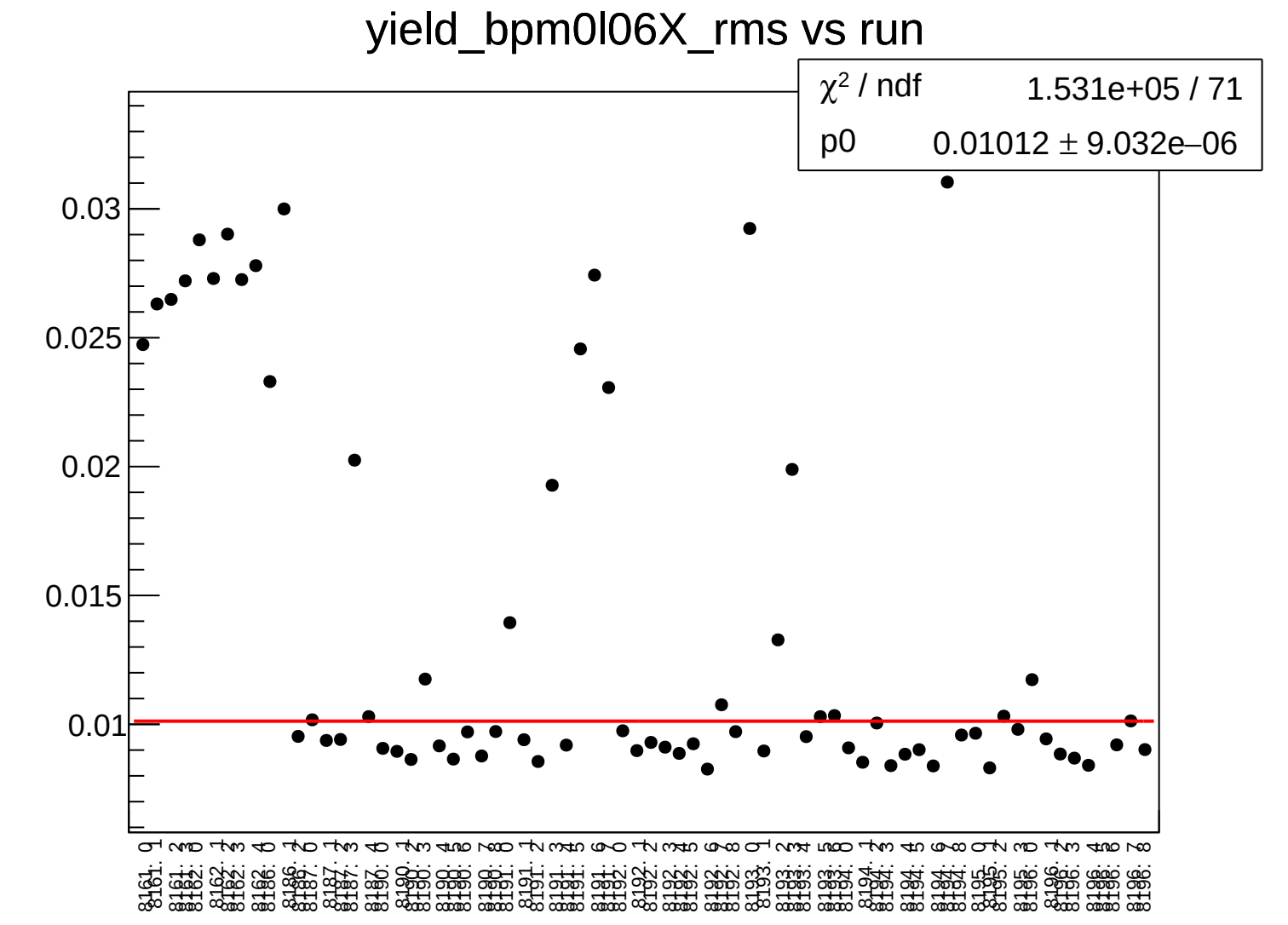

yield_bpm0l05X_rms vs run
χ^2 / ndf 4.733e+04 / 71
p0 0.003401 ± 2.914e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

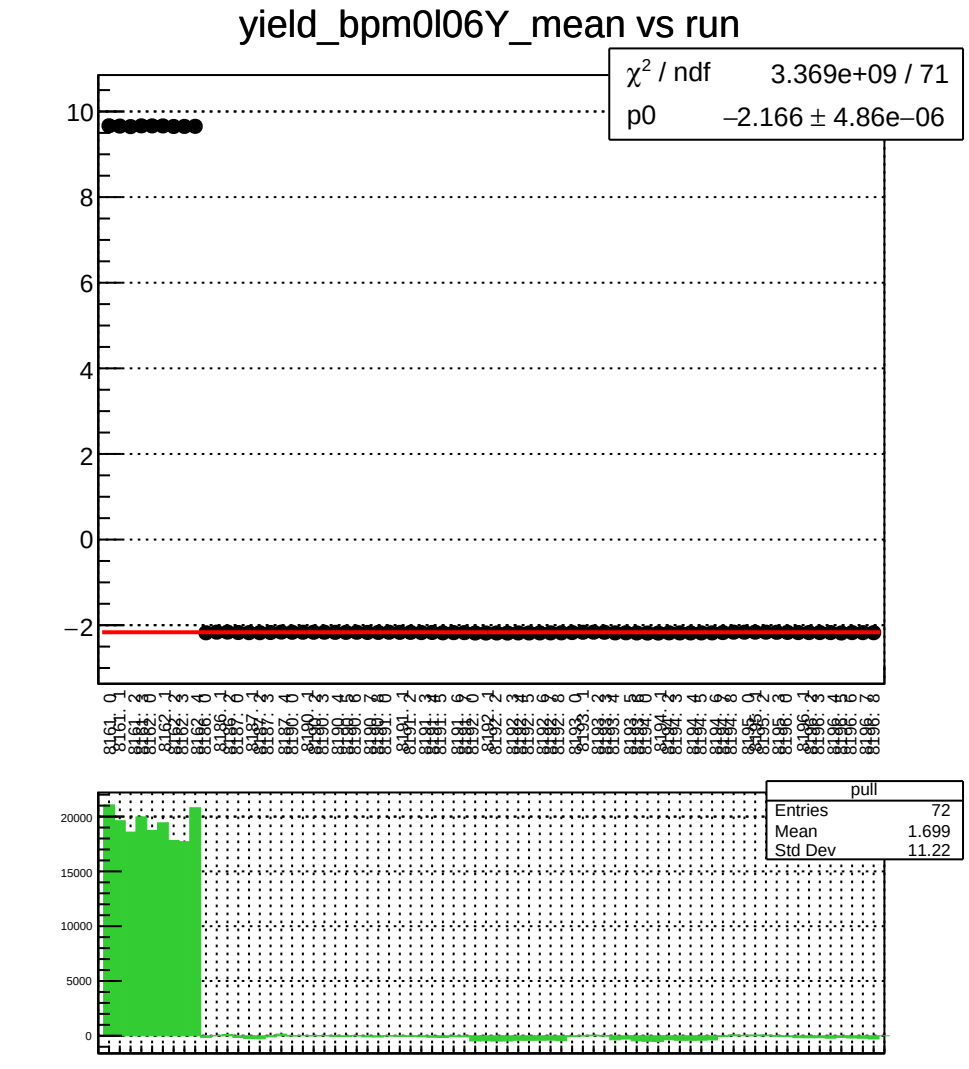

yield_bpm0l05Y_mean vs run
χ² / ndf 3.588e+07 / 71
p0 0.4481 ± 6.364e−06
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
0.4
pull
Entries 72
Mean −1401
Std Dev 1430
2000
1500
1000
500
0
−500
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

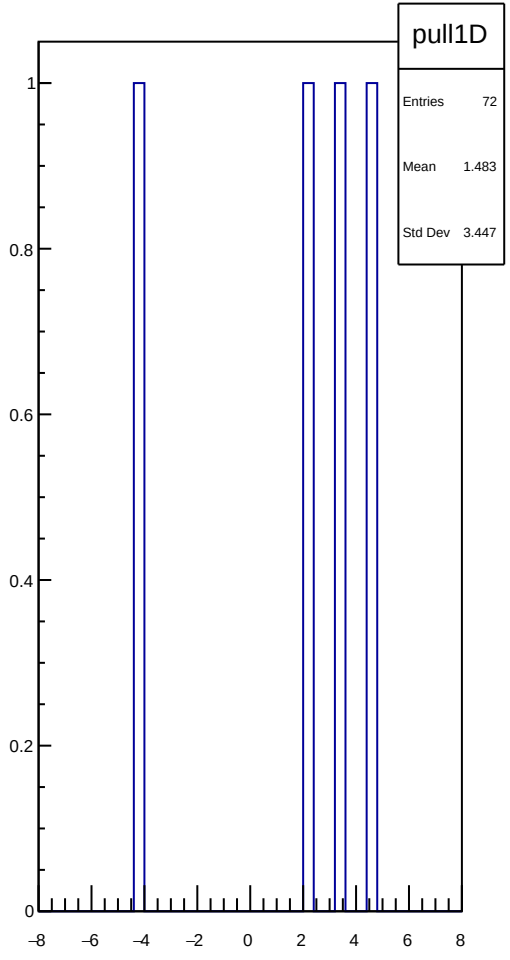

yield_bpm0l05Y_rms vs run
χ² / ndf 2.286e+04 / 71
p0 0.005298 ± 4.5e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004

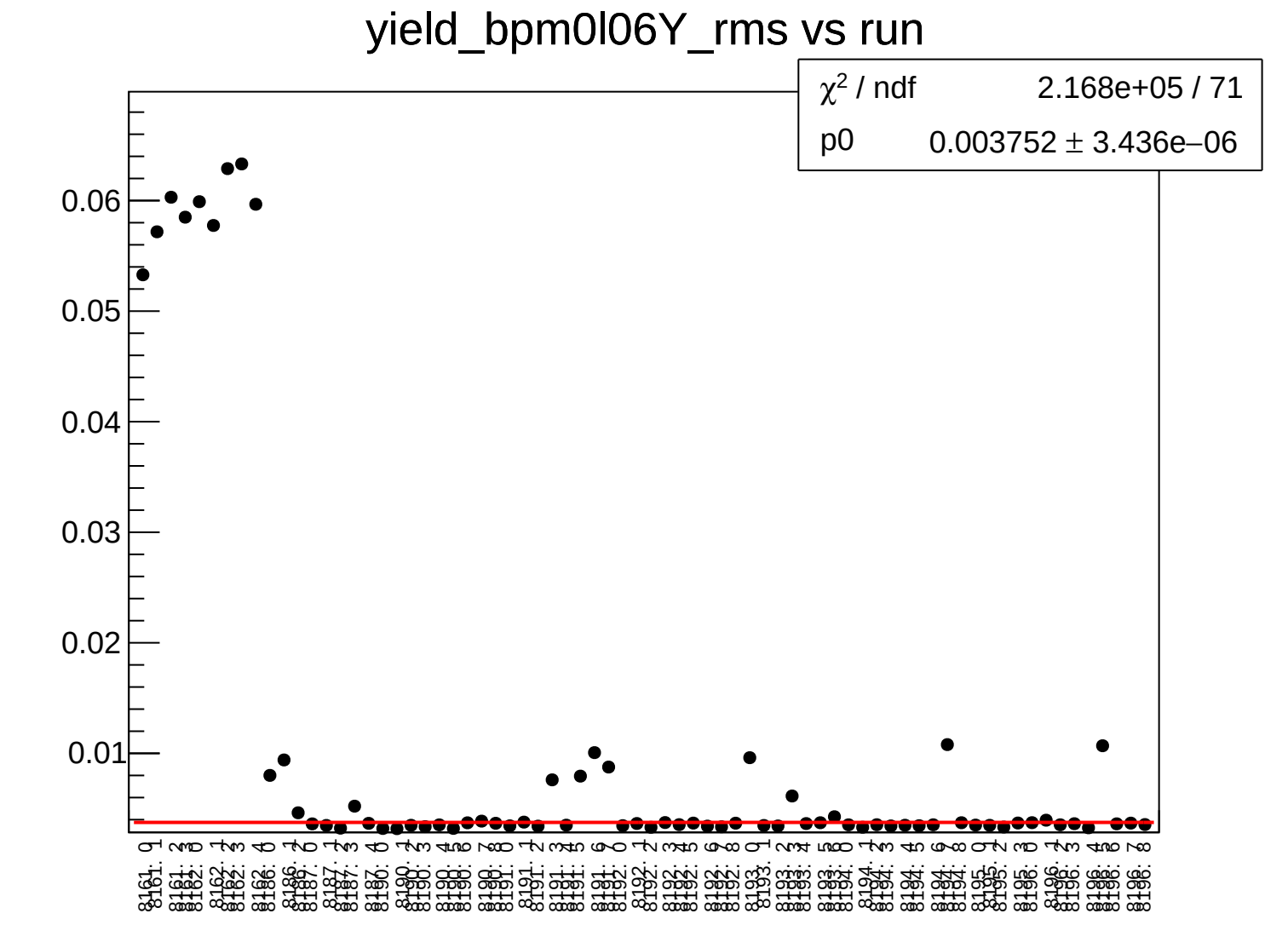

yield_bpm0l06X_mean vs run
χ² / ndf 2.39e+09 / 71
p0 2.363 ± 1.277e−05
pull
Entries 72
Mean −17.98
Std Dev 39.6

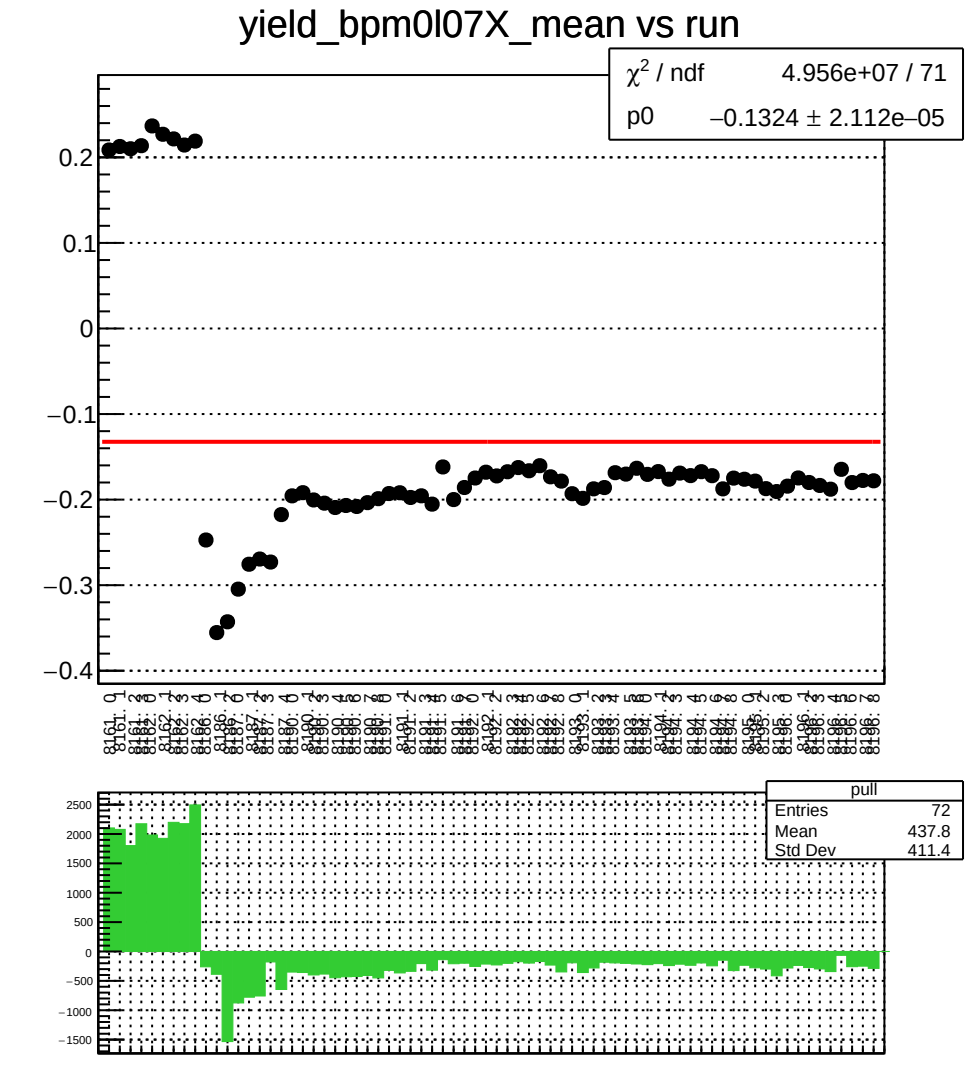

pull1D
Entries 72
Mean 0
Std Dev 0

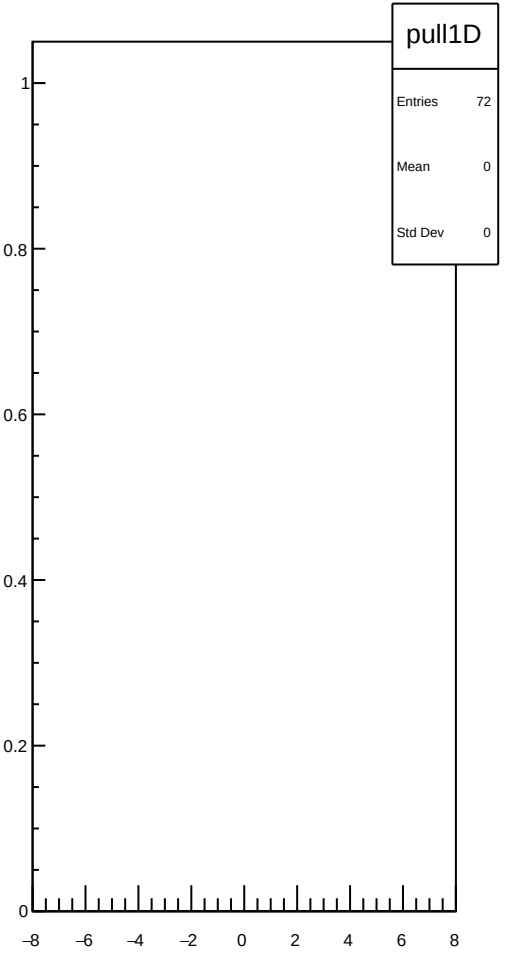

yield_bpm0l06X_rms vs run
χ² / ndf 1.531e+05 / 71
p0 0.01012 ± 9.032e–06
0.03
0.025
0.02
0.015
0.01

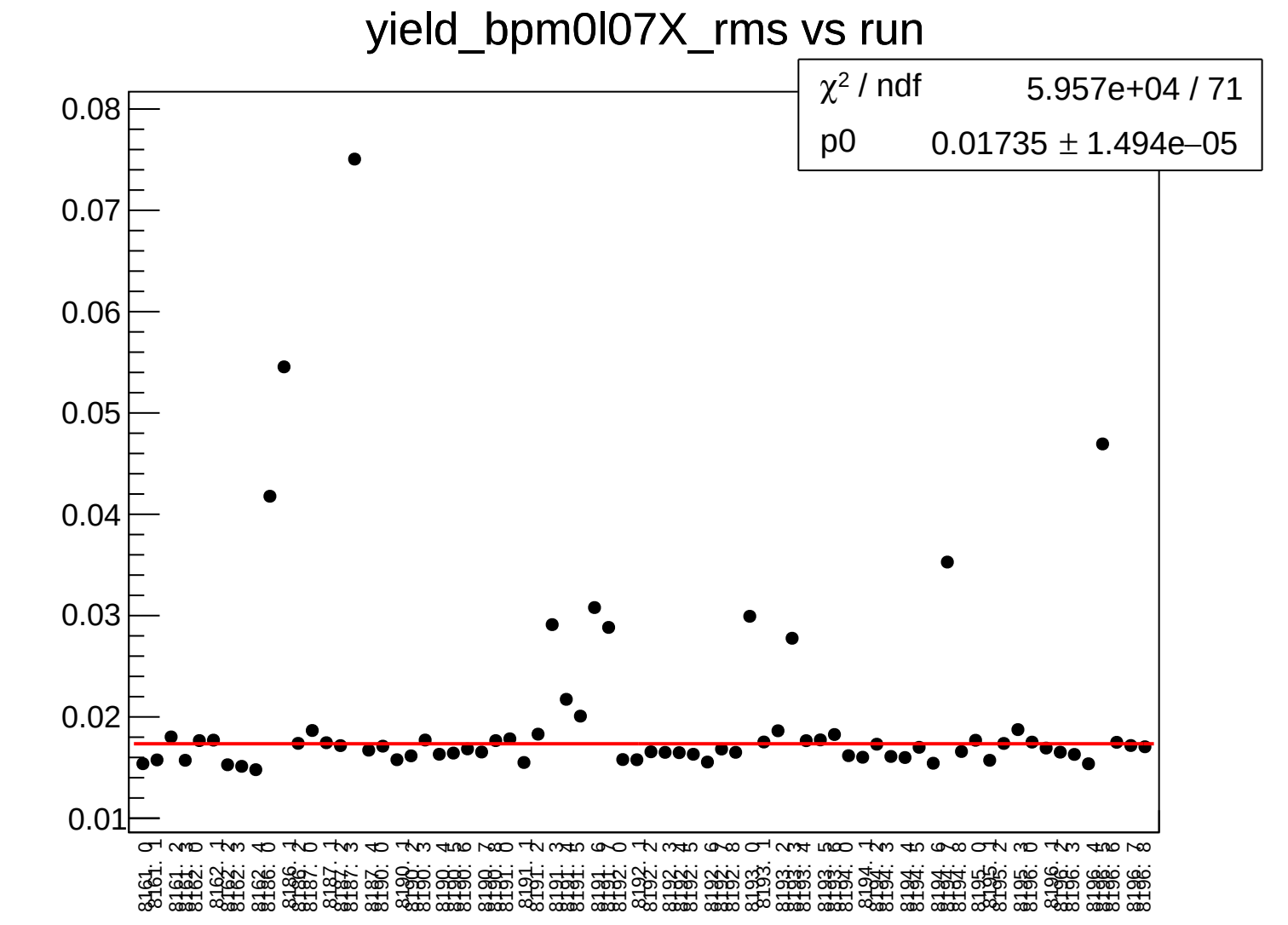

yield_bpm0l06Y_mean vs run
χ² / ndf 3.369e+09 / 71
p0 −2.166 ± 4.86e−06
pull
Entries 72
Mean 1.699
Std Dev 11.22

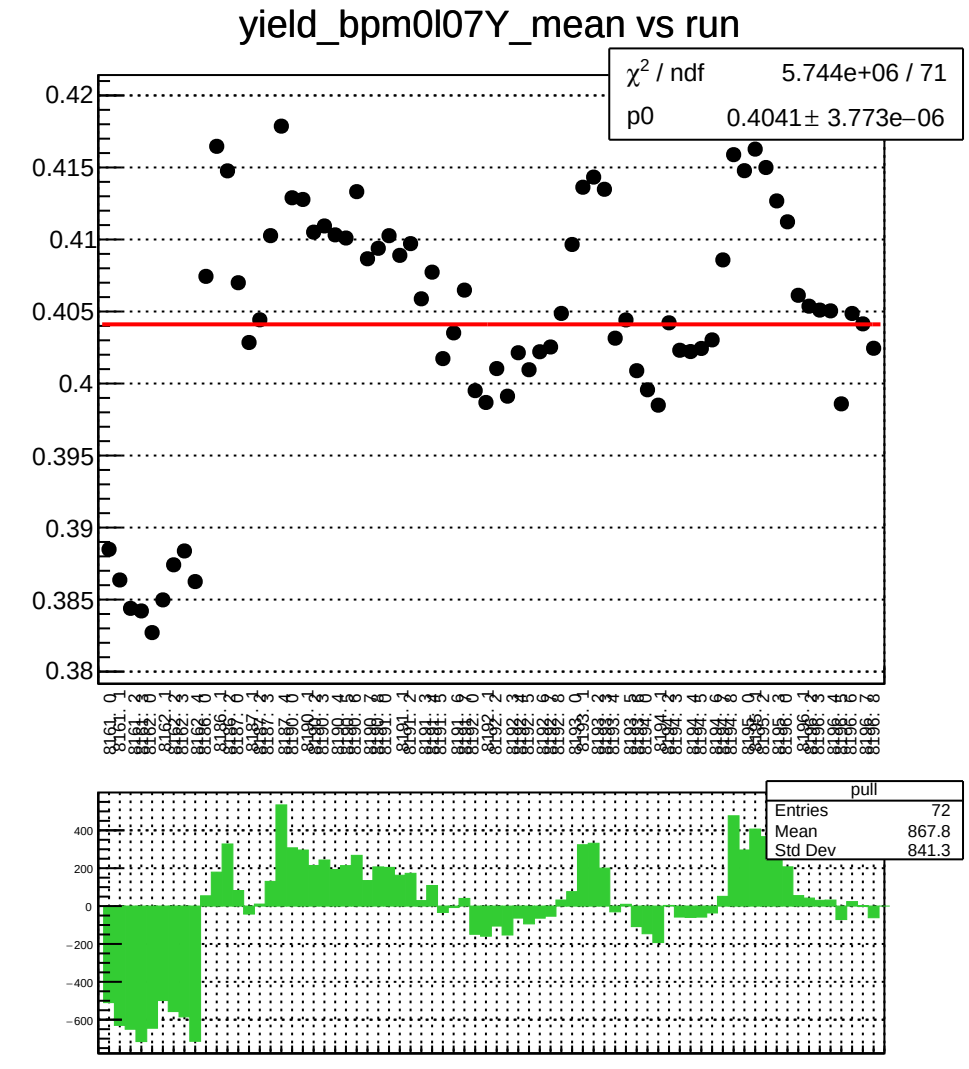

pull1D
Entries 72
Mean 1.483
Std Dev 3.447

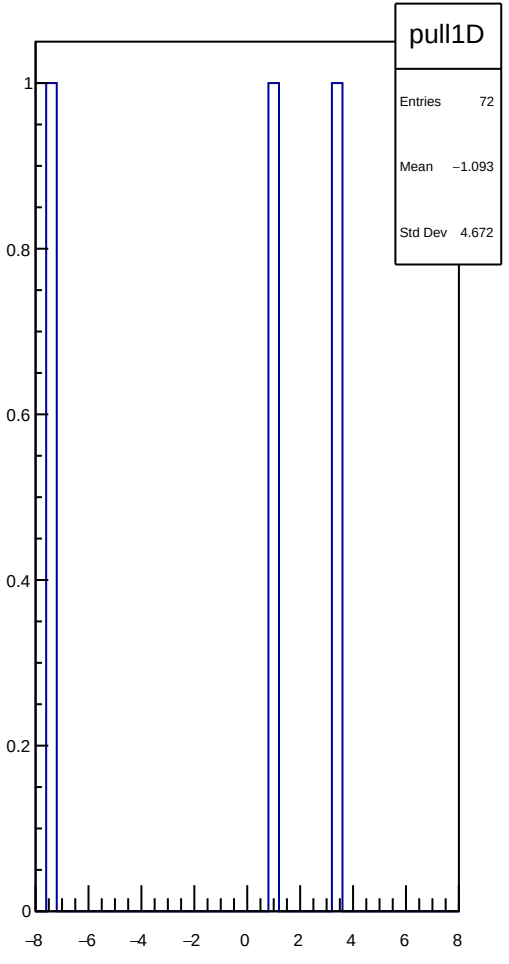

yield_bpm0l06Y_rms vs run
χ² / ndf 2.168e+05 / 71
p0 0.003752 ± 3.436e−06
0.06
0.05
0.04
0.03
0.02
0.01

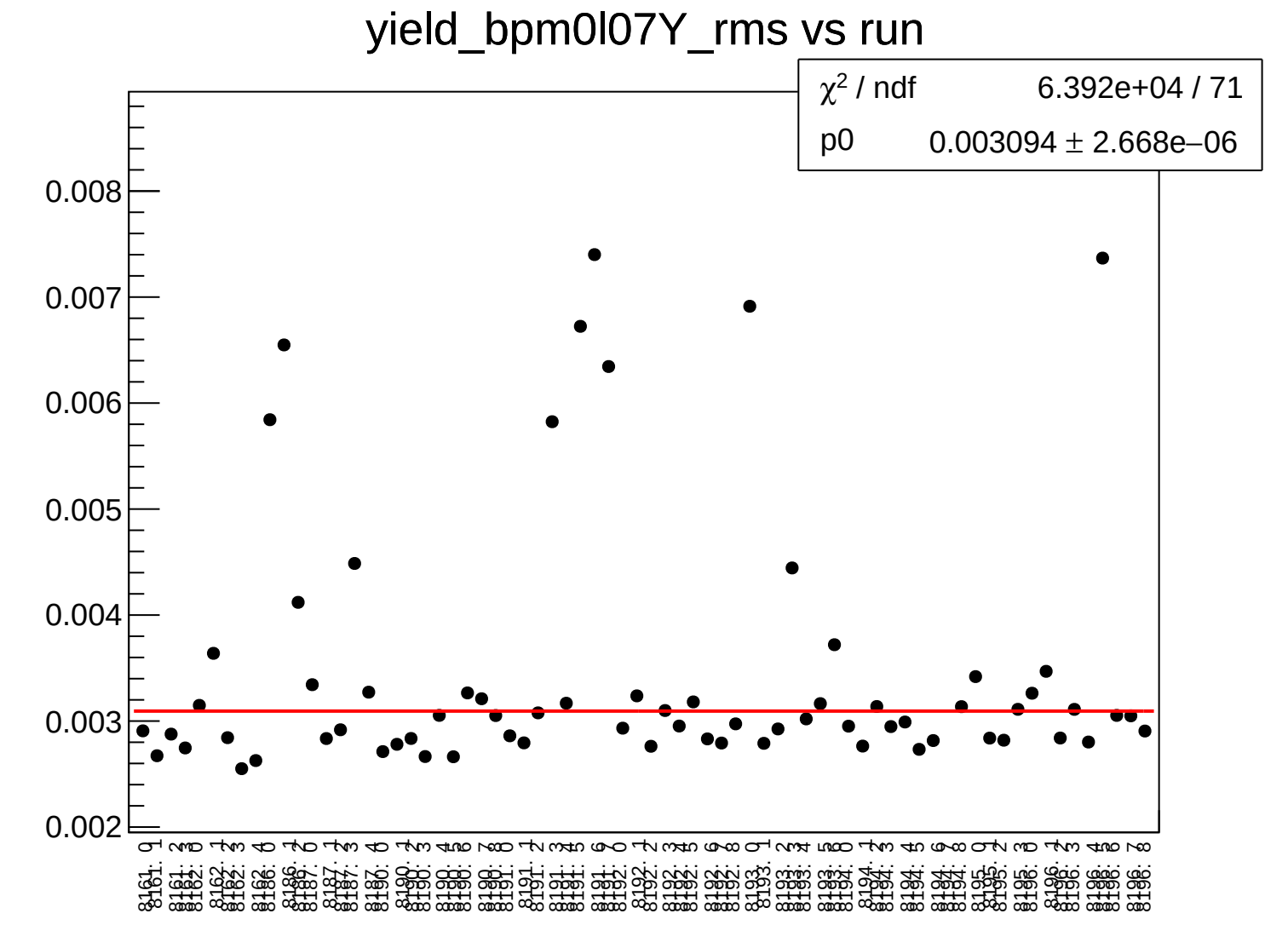

yield_bpm0l07X_mean vs run
χ² / ndf 4.956e+07 / 71
p0 −0.1324 ± 2.112e−05
pull
Entries 72
Mean 437.8
Std Dev 411.4

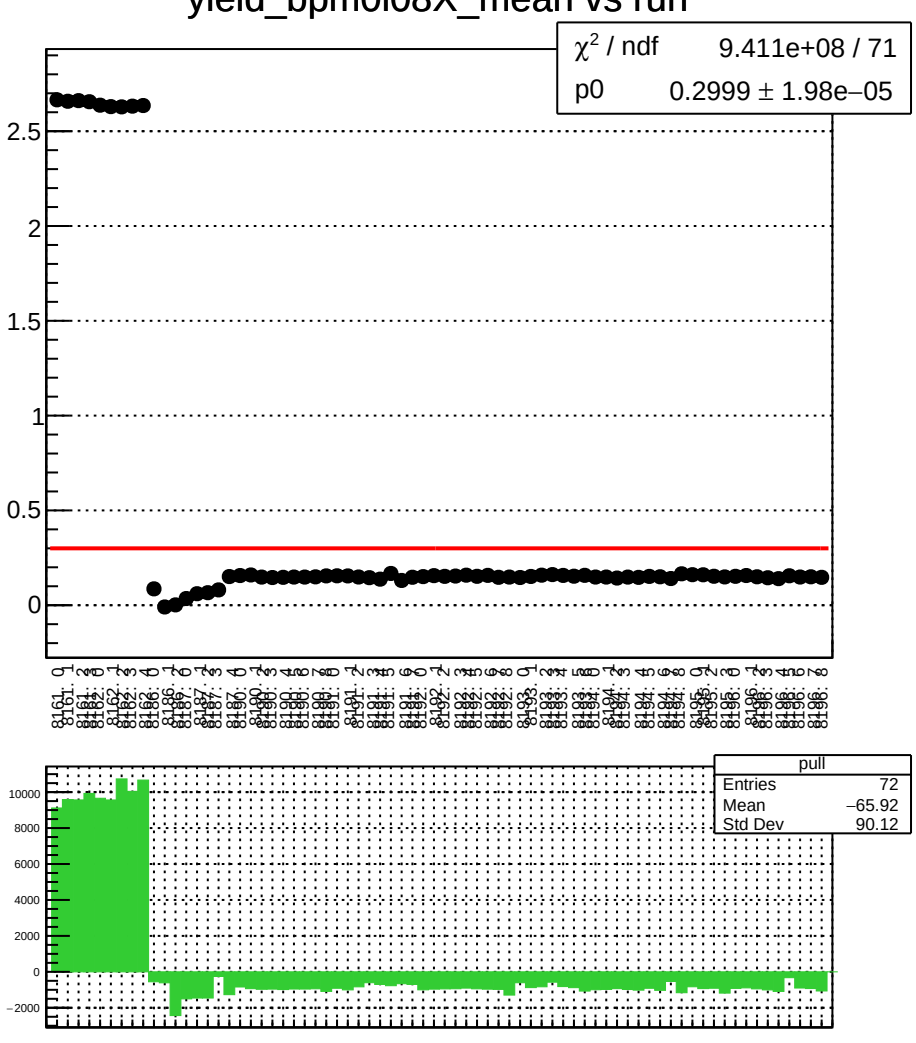

pull1D
Entries 72
Mean 0
Std Dev 0

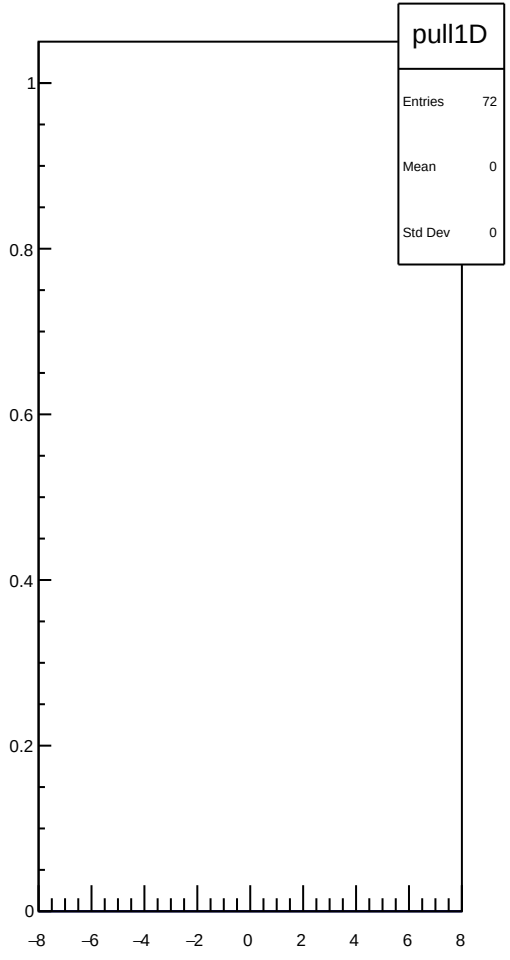

yield_bpm0l07X_rms vs run
χ² / ndf 5.957e+04 / 71
p0 0.01735 ± 1.494e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

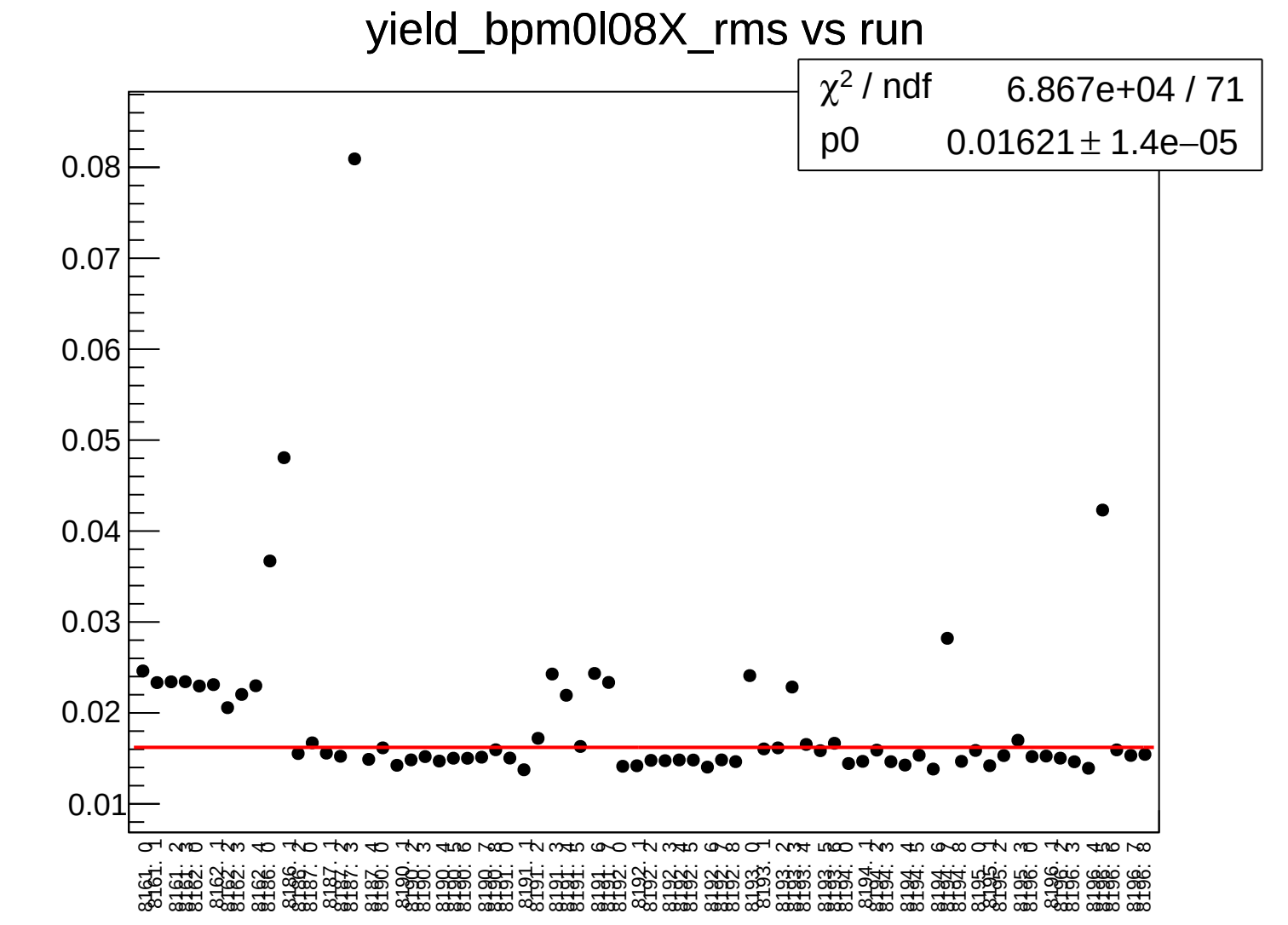

yield_bpm0l07Y_mean vs run
χ² / ndf 5.744e+06 / 71
p0 0.4041 ± 3.773e−06
0.42
0.415
0.41
0.405
0.4
0.395
0.39
0.385
0.38
pull
Entries 72
Mean 867.8
Std Dev 841.3
400
200
0
−200
−400
−600

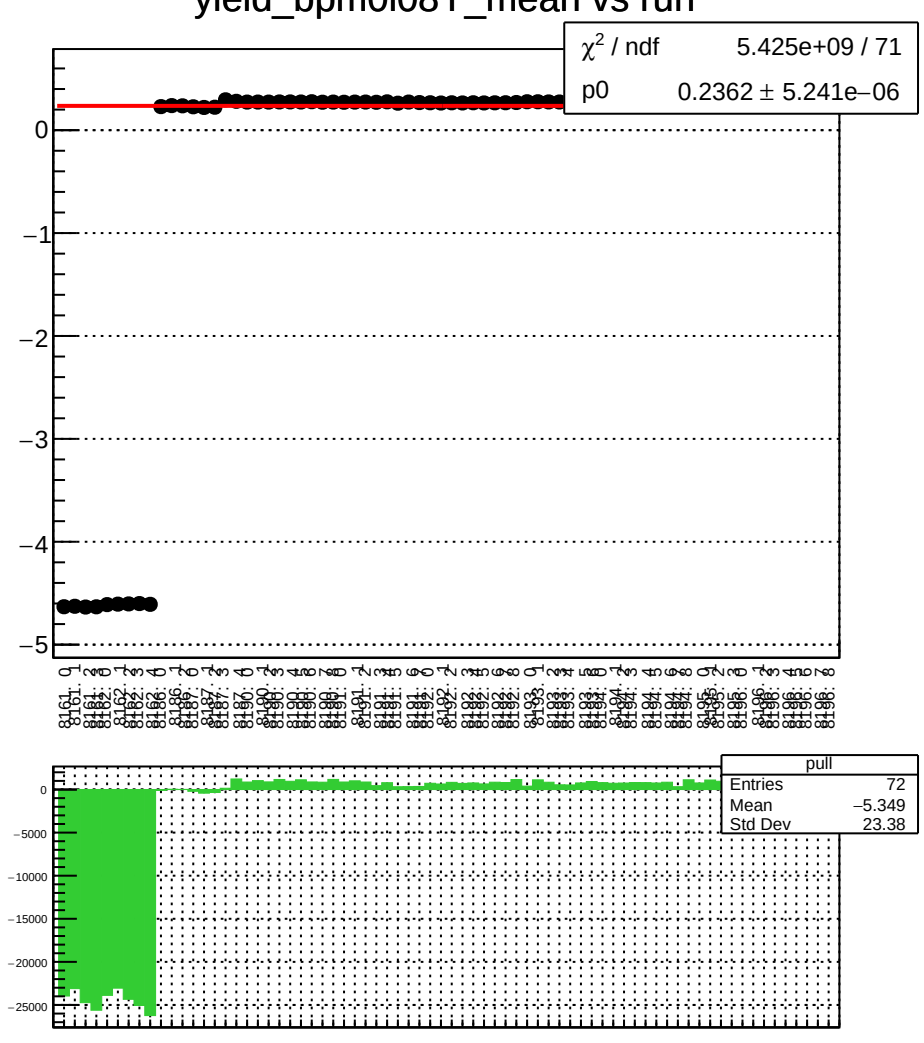

pull1D
Entries 72
Mean −1.093
Std Dev 4.672
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

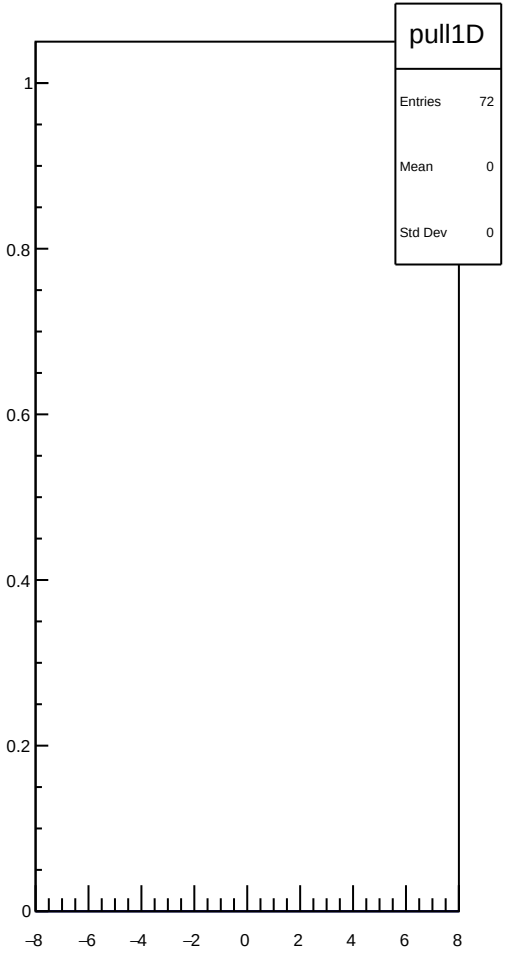

yield_bpm0l07Y_rms vs run
χ² / ndf 6.392e+04 / 71
p0 0.003094 ± 2.668e−06
0.008
0.007
0.006
0.005
0.004
0.003
0.002

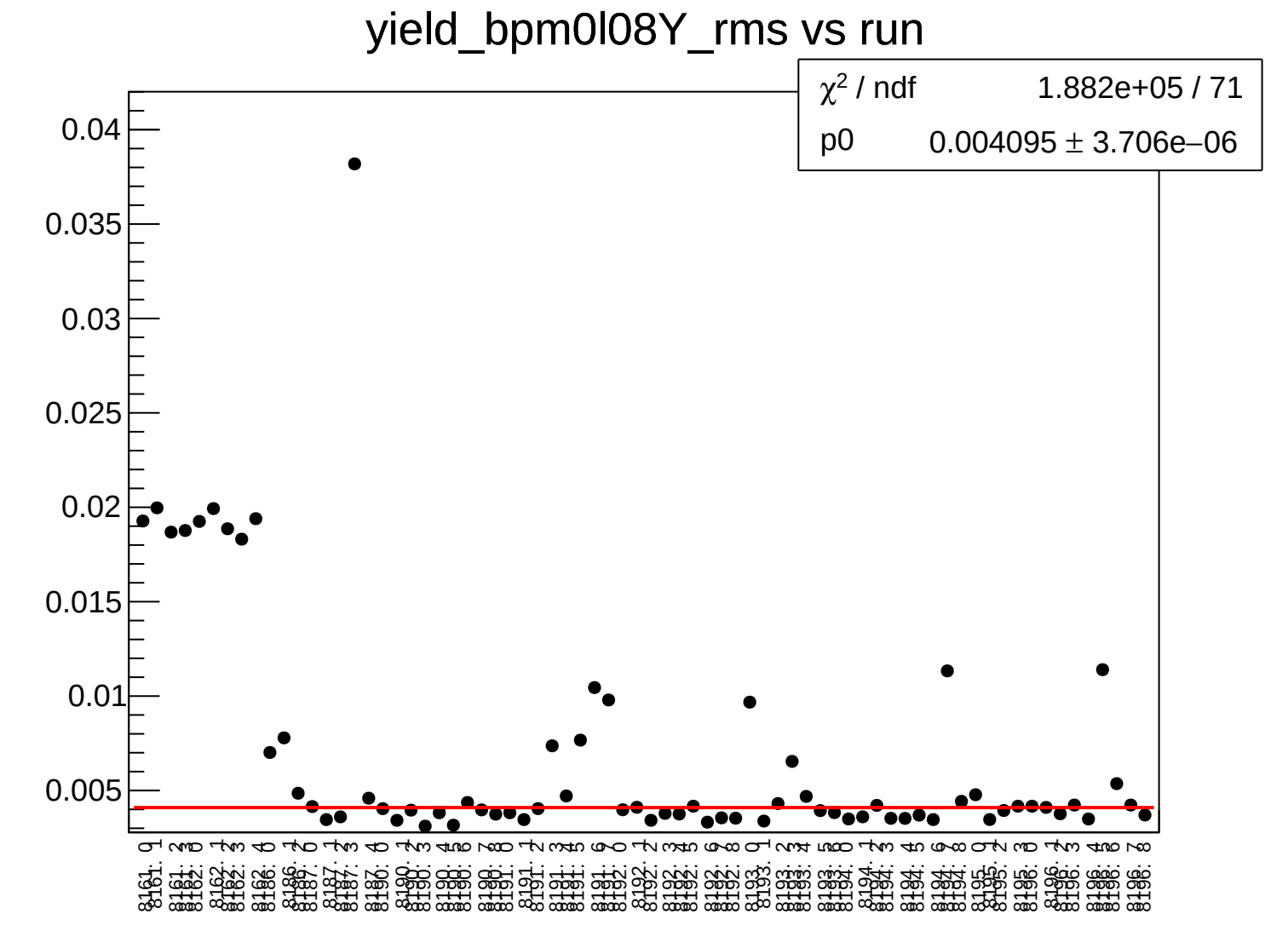

yield_bpm0l08X_mean vs run
χ² / ndf 9.411e+08 / 71
p0 0.2999 ± 1.98e−05
pull
Entries 72
Mean −65.92
Std Dev 90.12

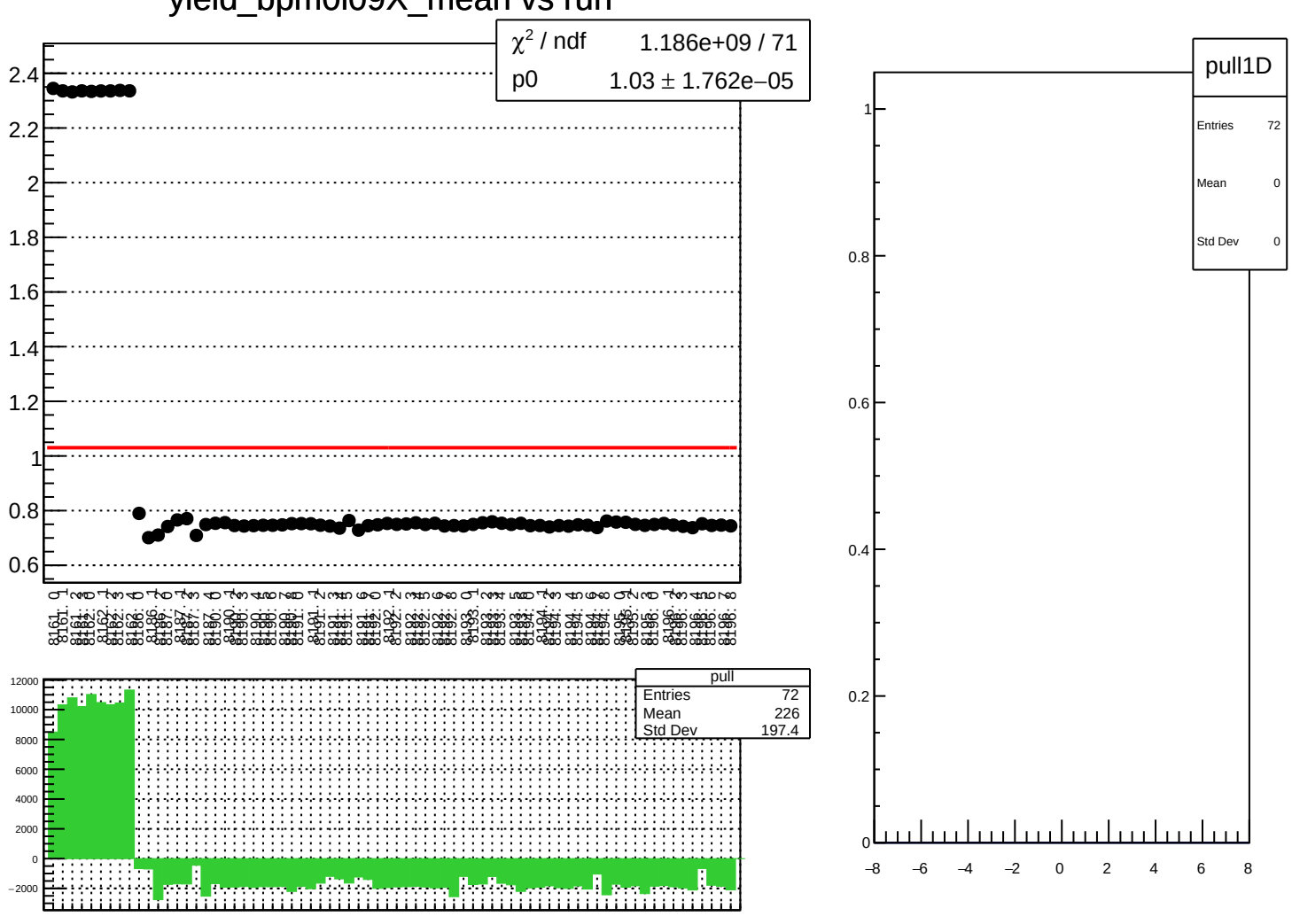

pull1D
Entries 72
Mean 0
Std Dev 0

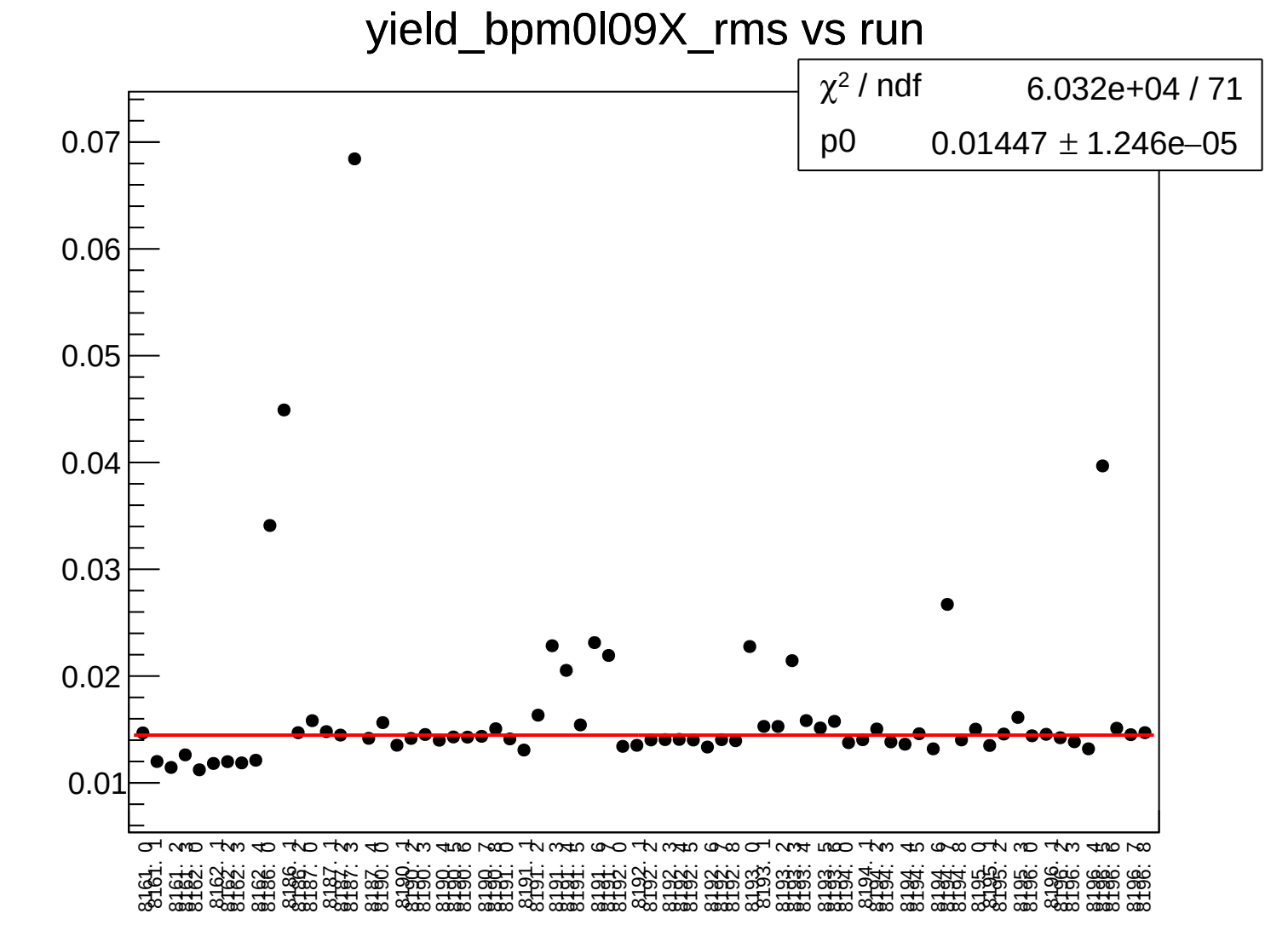

yield_bpm0l08X_rms vs run
χ^2 / ndf 6.867e+04 / 71
p0 0.01621 ± 1.4e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

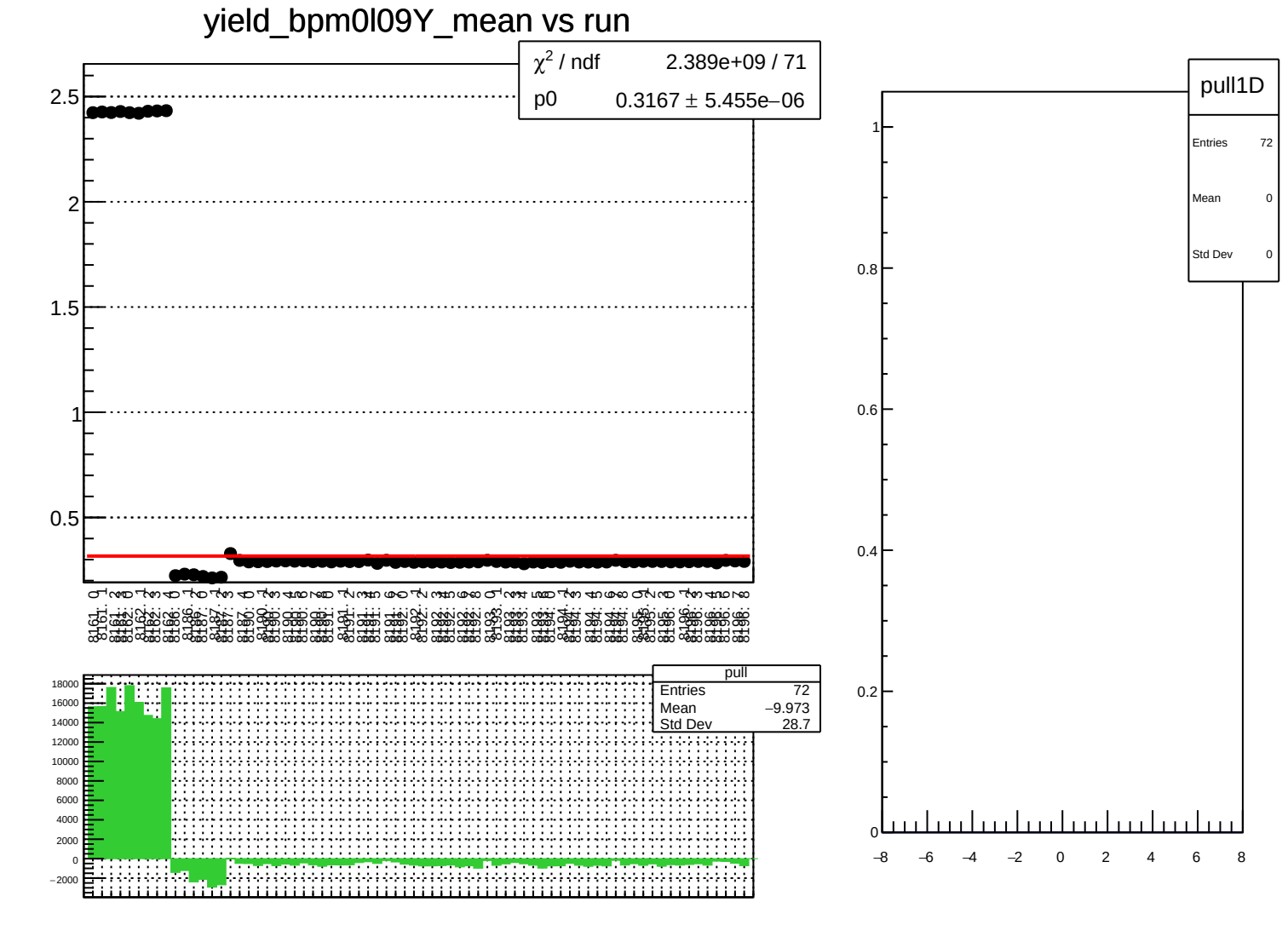

yield_bpm0l08Y_mean vs run
χ² / ndf 5.425e+09 / 71
p0 0.2362 ± 5.241e−06
pull
Entries 72
Mean −5.349
Std Dev 23.38

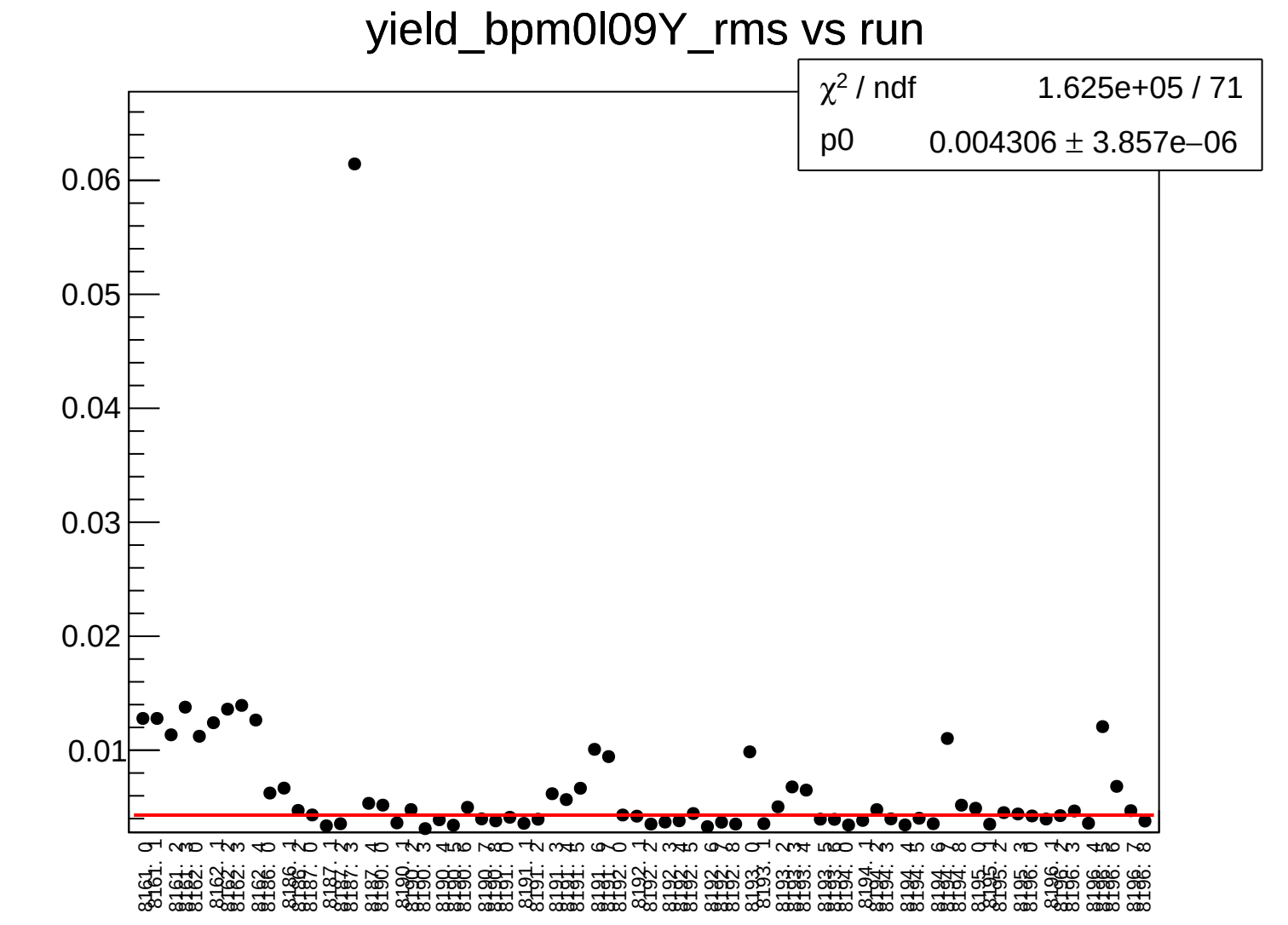

pull1D
Entries 72
Mean 0
Std Dev 0

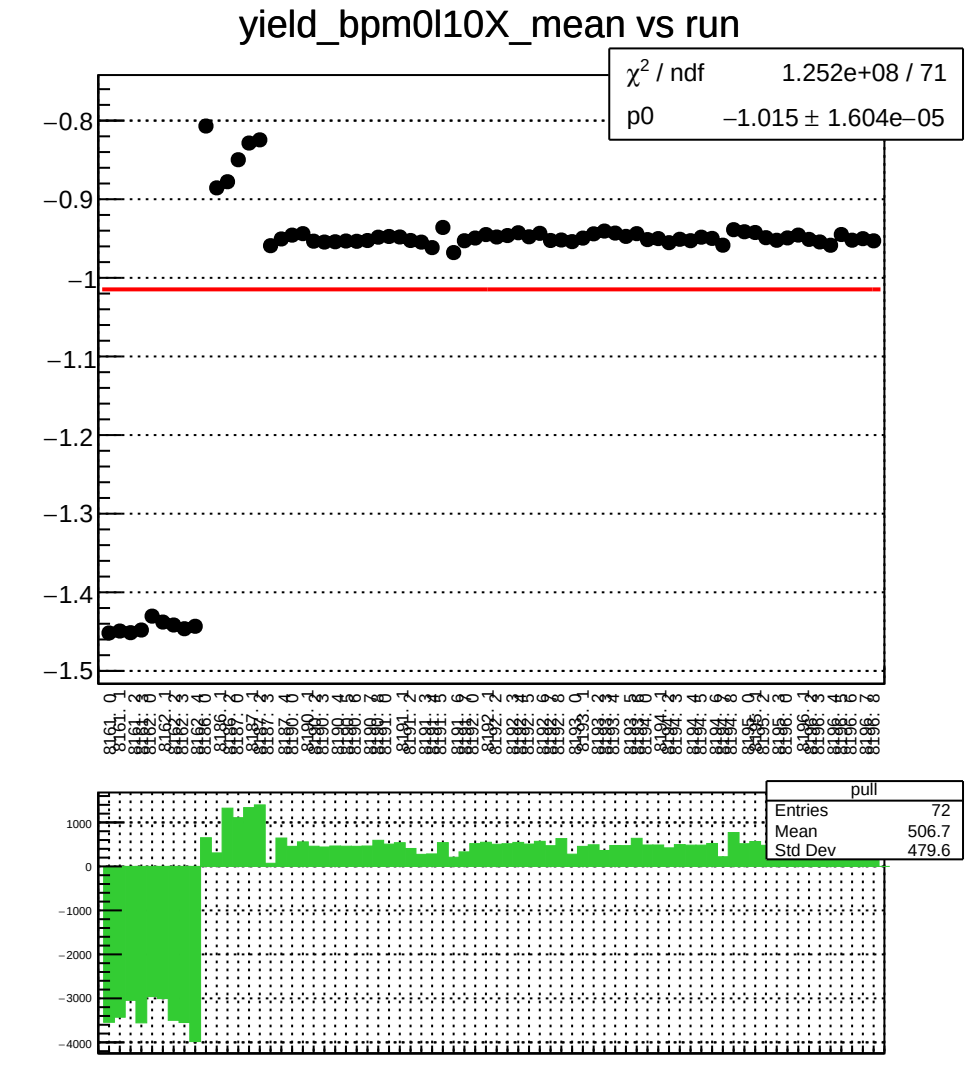

yield_bpm0l08Y_rms vs run
χ² / ndf 1.882e+05 / 71
p0 0.004095 ± 3.706e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

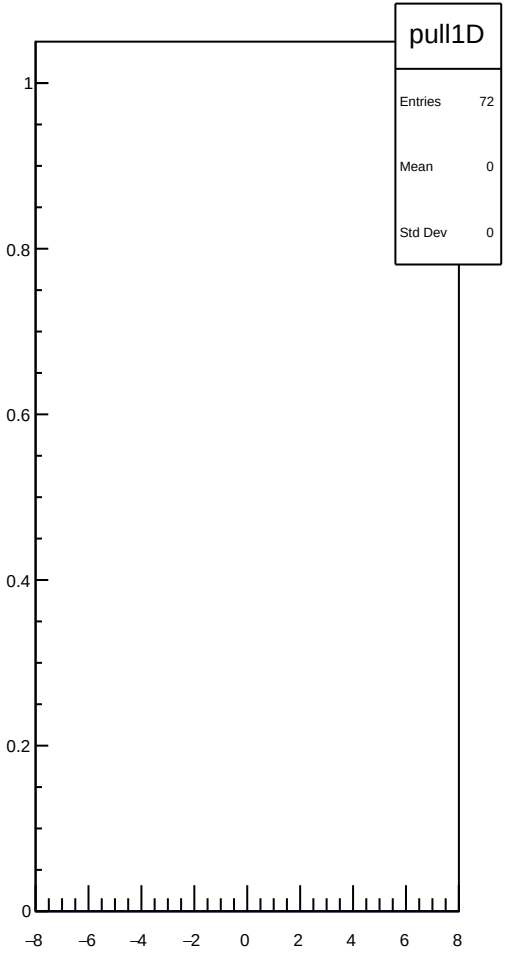

yield_bpm0l09X_mean vs run
χ² / ndf 1.186e+09 / 71
p0 1.03 ± 1.762e−05
pull
Entries 72
Mean 226
Std Dev 197.4
pull1D
Entries 72
Mean 0
Std Dev 0

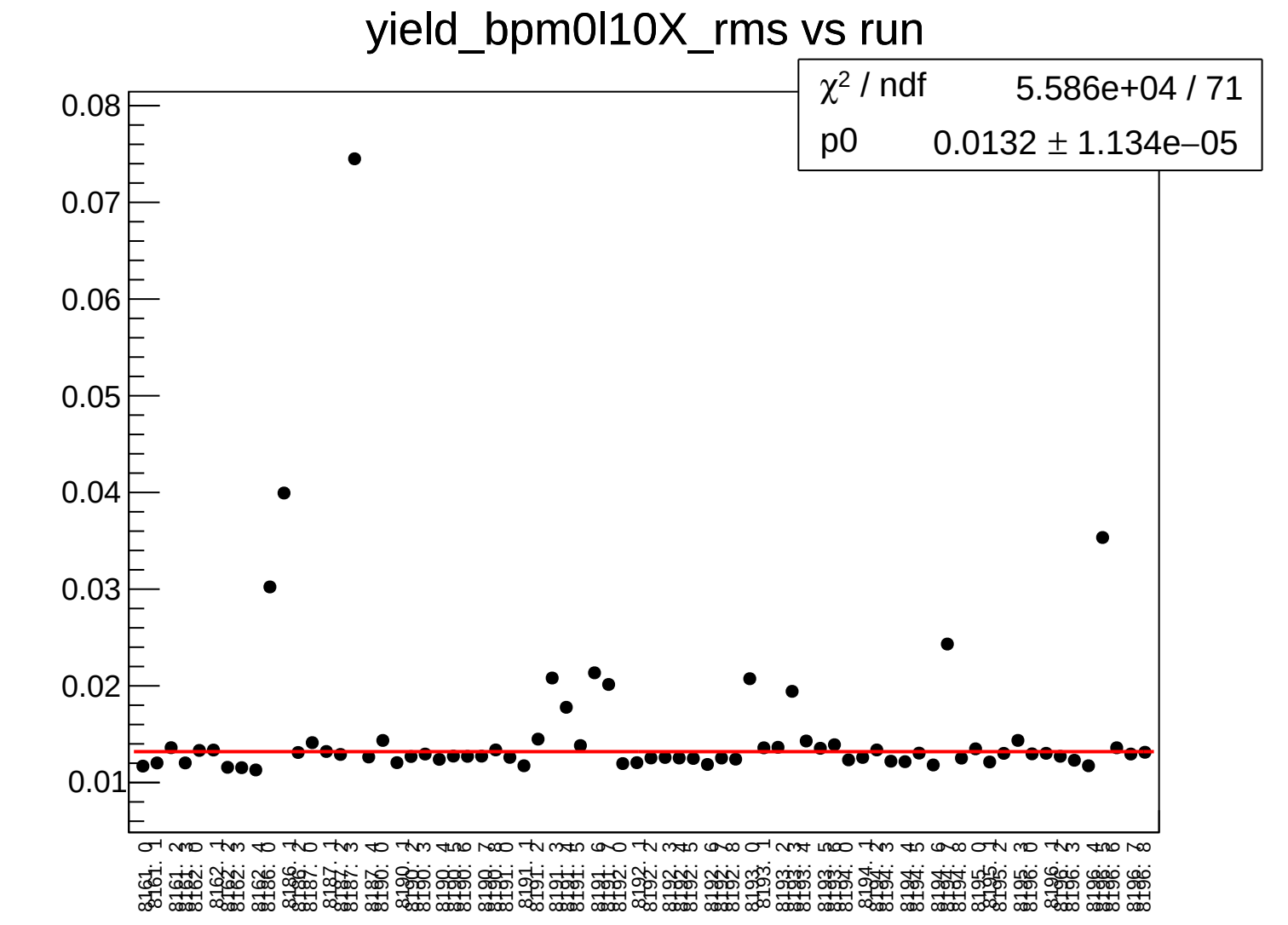

yield_bpm0l09X_rms vs run
χ² / ndf 6.032e+04 / 71
p0 0.01447 ± 1.246e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

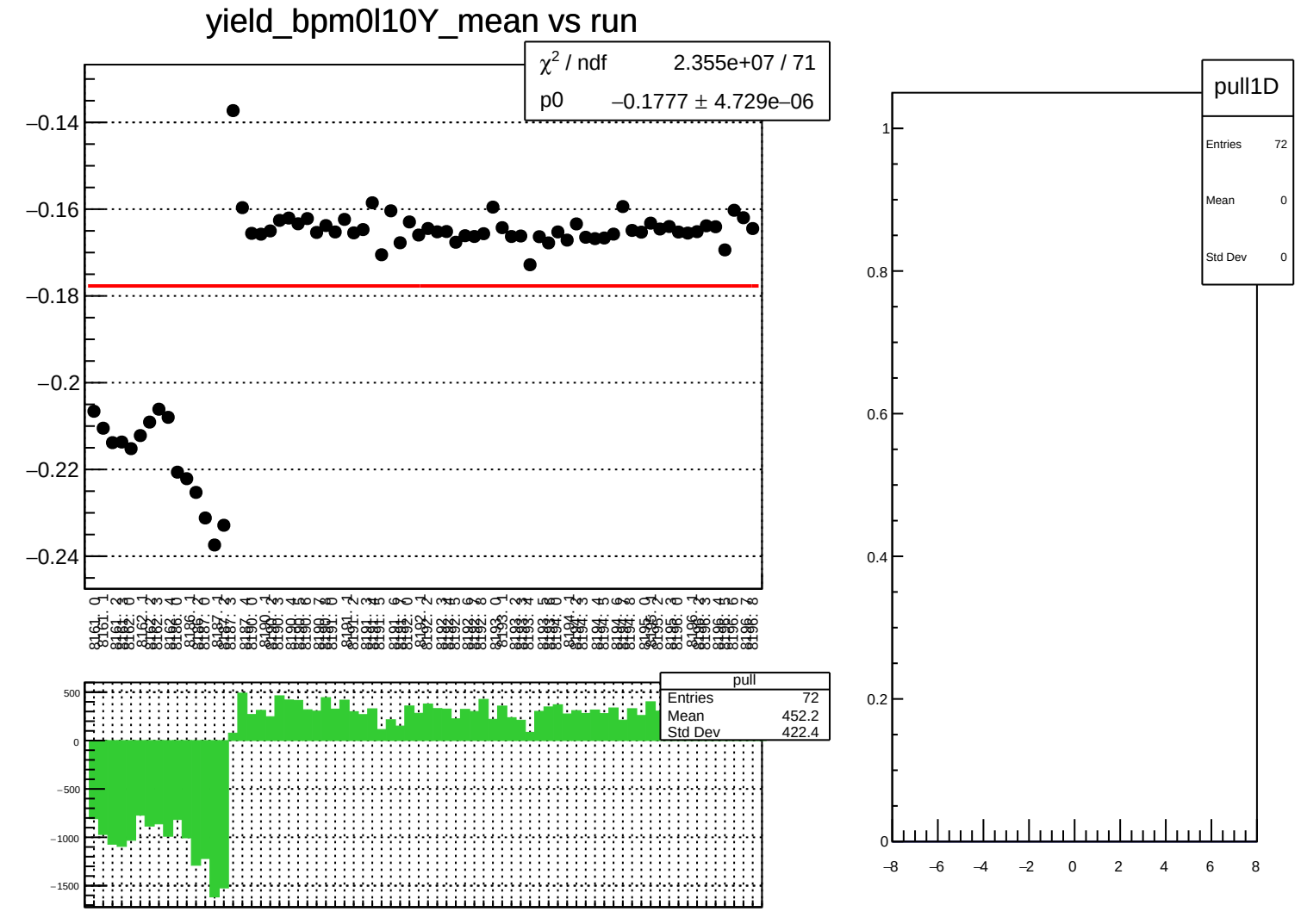

yield_bpm0l09Y_mean vs run
χ² / ndf 2.389e+09 / 71
p0 0.3167 ± 5.455e−06
pull
Entries 72
Mean −9.973
Std Dev 28.7
pull1D
Entries 72
Mean 0
Std Dev 0

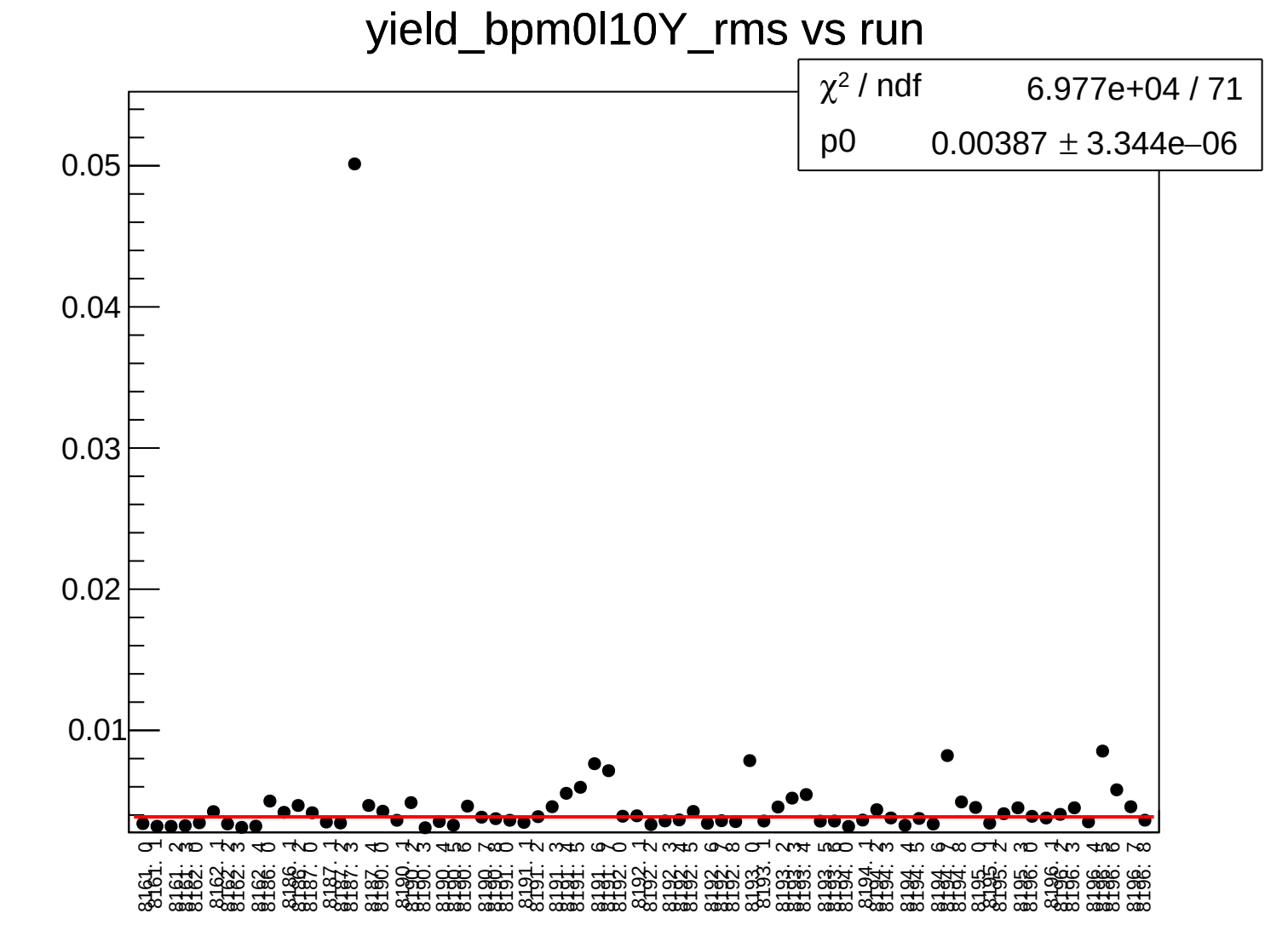

yield_bpm0l09Y_rms vs run
χ² / ndf 1.625e+05 / 71
p0 0.004306 ± 3.857e−06
0.06
0.05
0.04
0.03
0.02
0.01

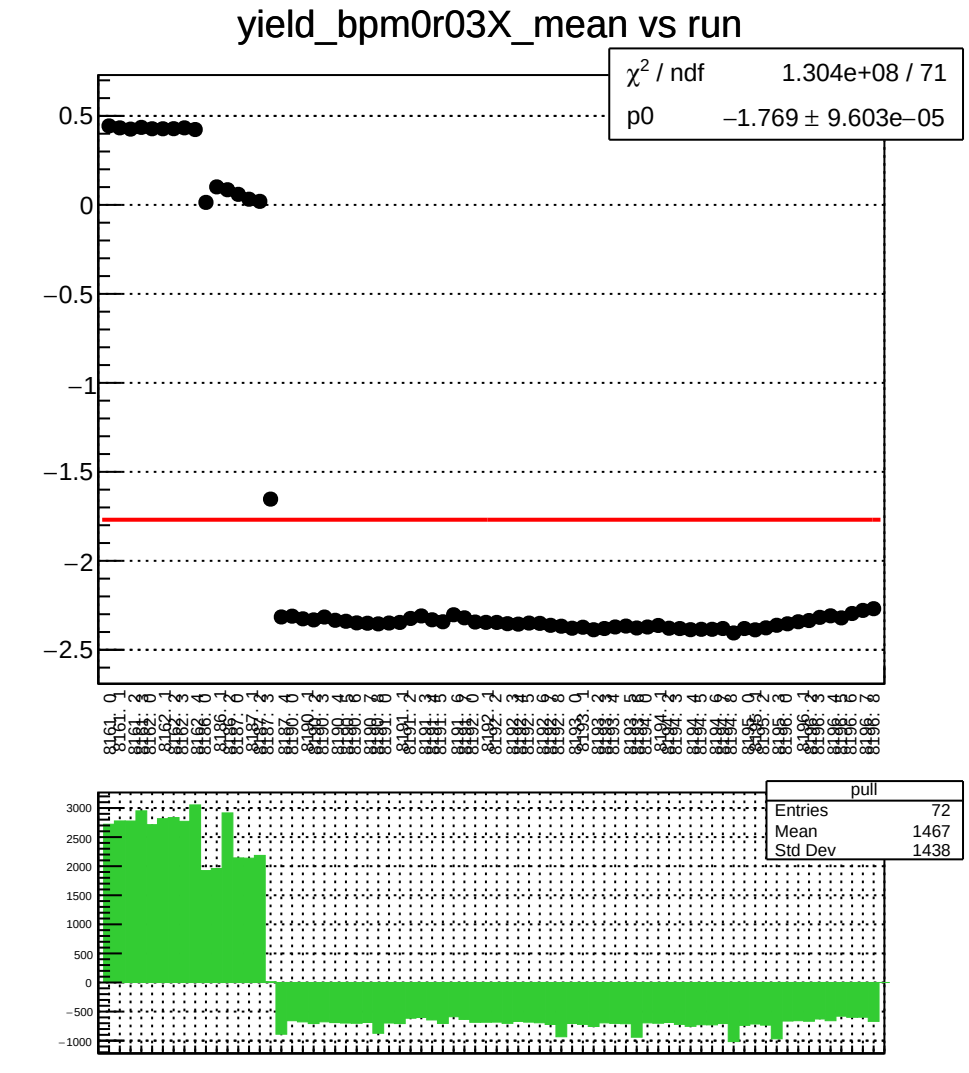

yield_bpm0l10X_mean vs run
χ² / ndf 1.252e+08 / 71
p0 −1.015 ± 1.604e−05
−0.8
−0.9
−1
−1.1
−1.2
−1.3
−1.4
−1.5
pull
Entries 72
Mean 506.7
Std Dev 479.6
1000
0
−1000
−2000
−3000
−4000

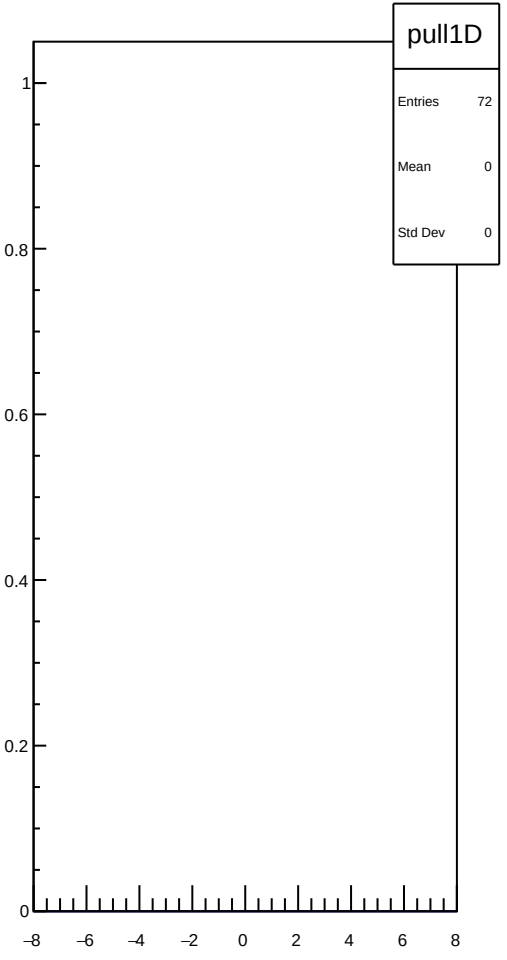

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

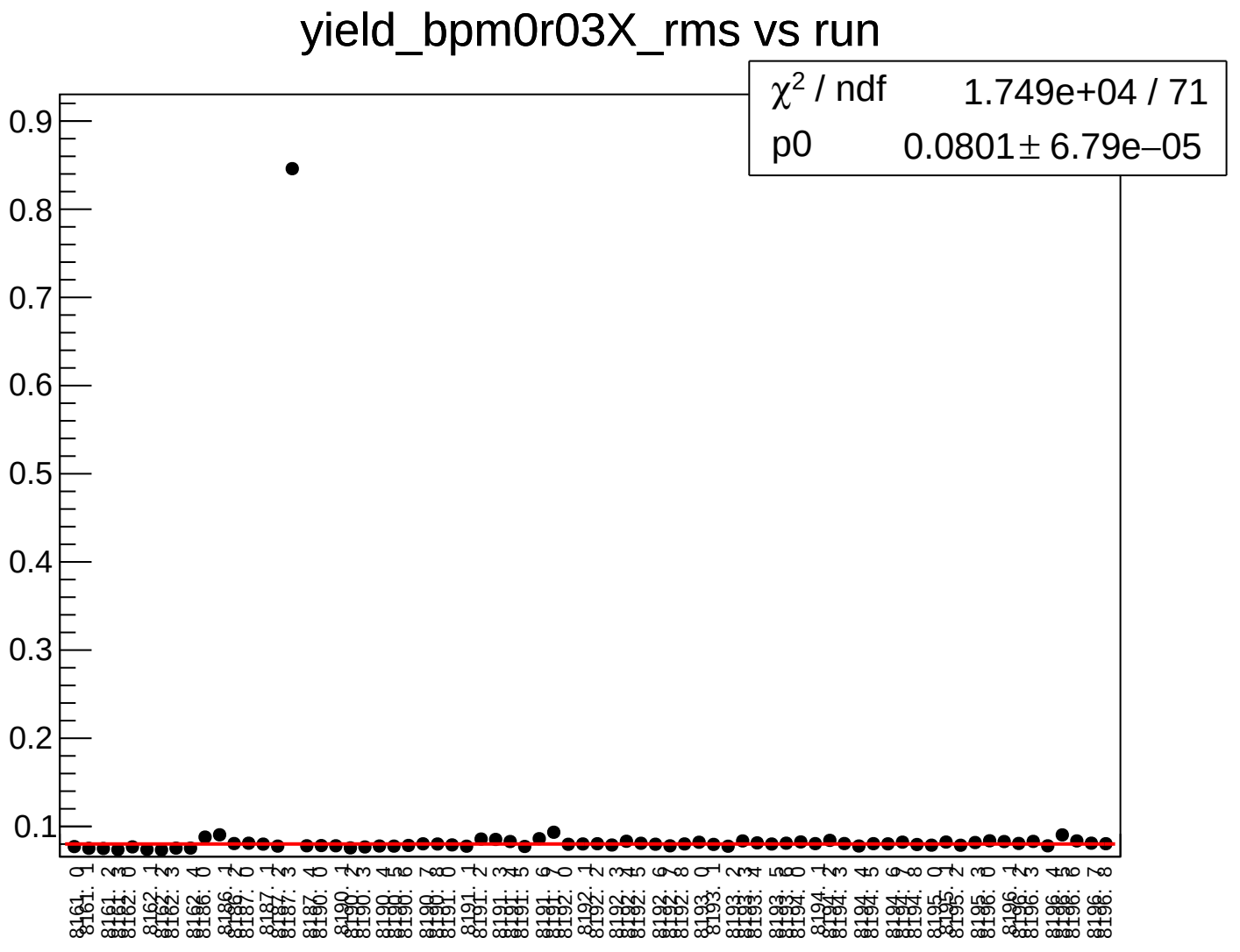

yield_bpm0l10X_rms vs run
χ² / ndf 5.586e+04 / 71
p0 0.0132 ± 1.134e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

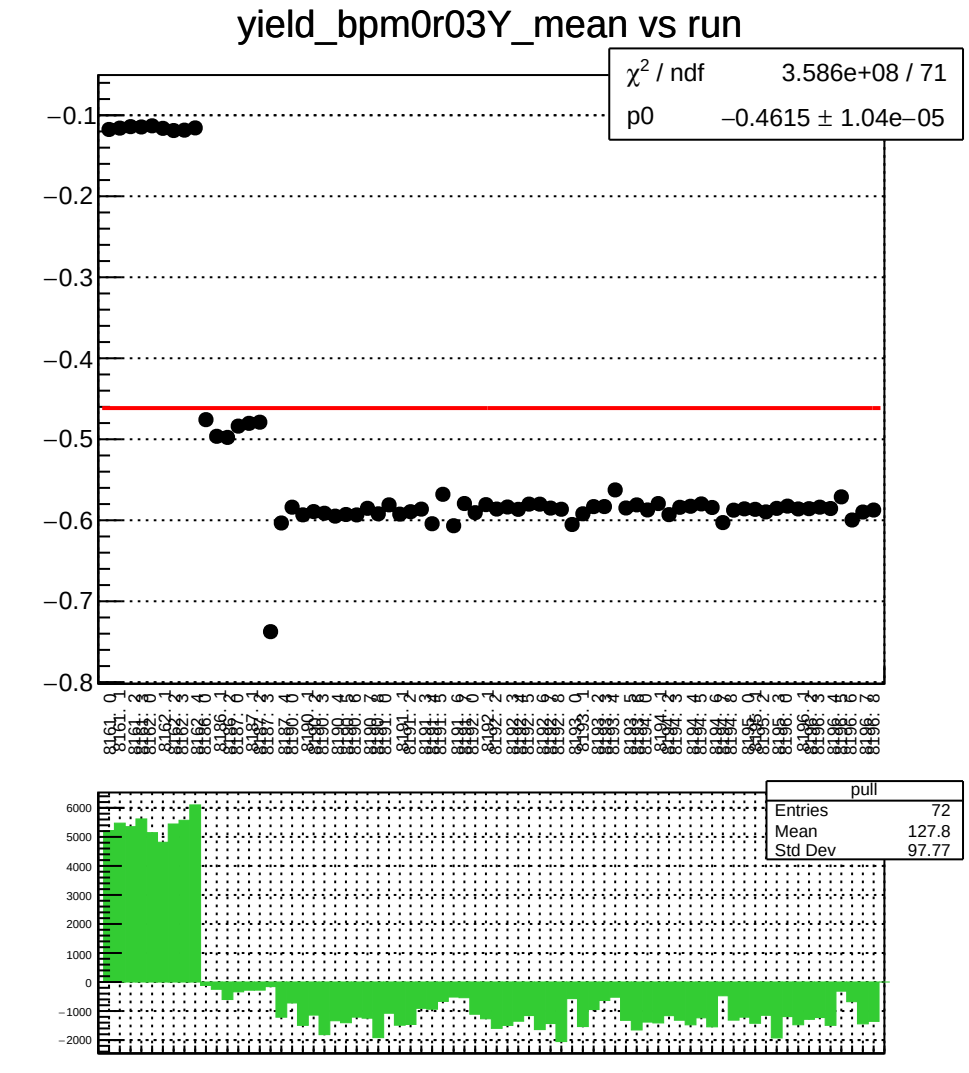

yield_bpm0l10Y_mean vs run
χ² / ndf 2.355e+07 / 71
p0 −0.1777 ± 4.729e−06
−0.14
−0.16
−0.18
−0.2
−0.22
−0.24
pull
Entries 72
Mean 452.2
Std Dev 422.4
500
0
−500
−1000
−1500
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

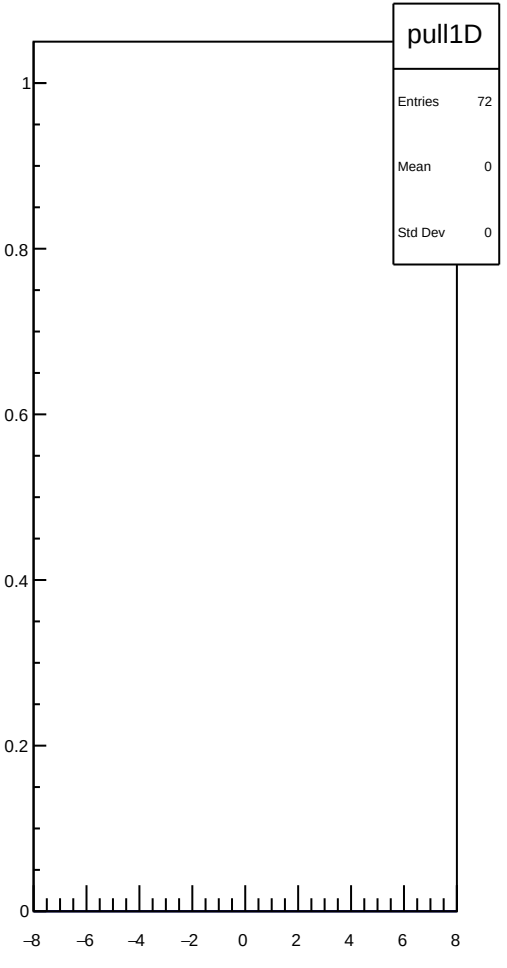

yield_bpm0l10Y_rms vs run
χ² / ndf 6.977e+04 / 71
p0 0.00387 ± 3.344e–06
0.05
0.04
0.03
0.02
0.01

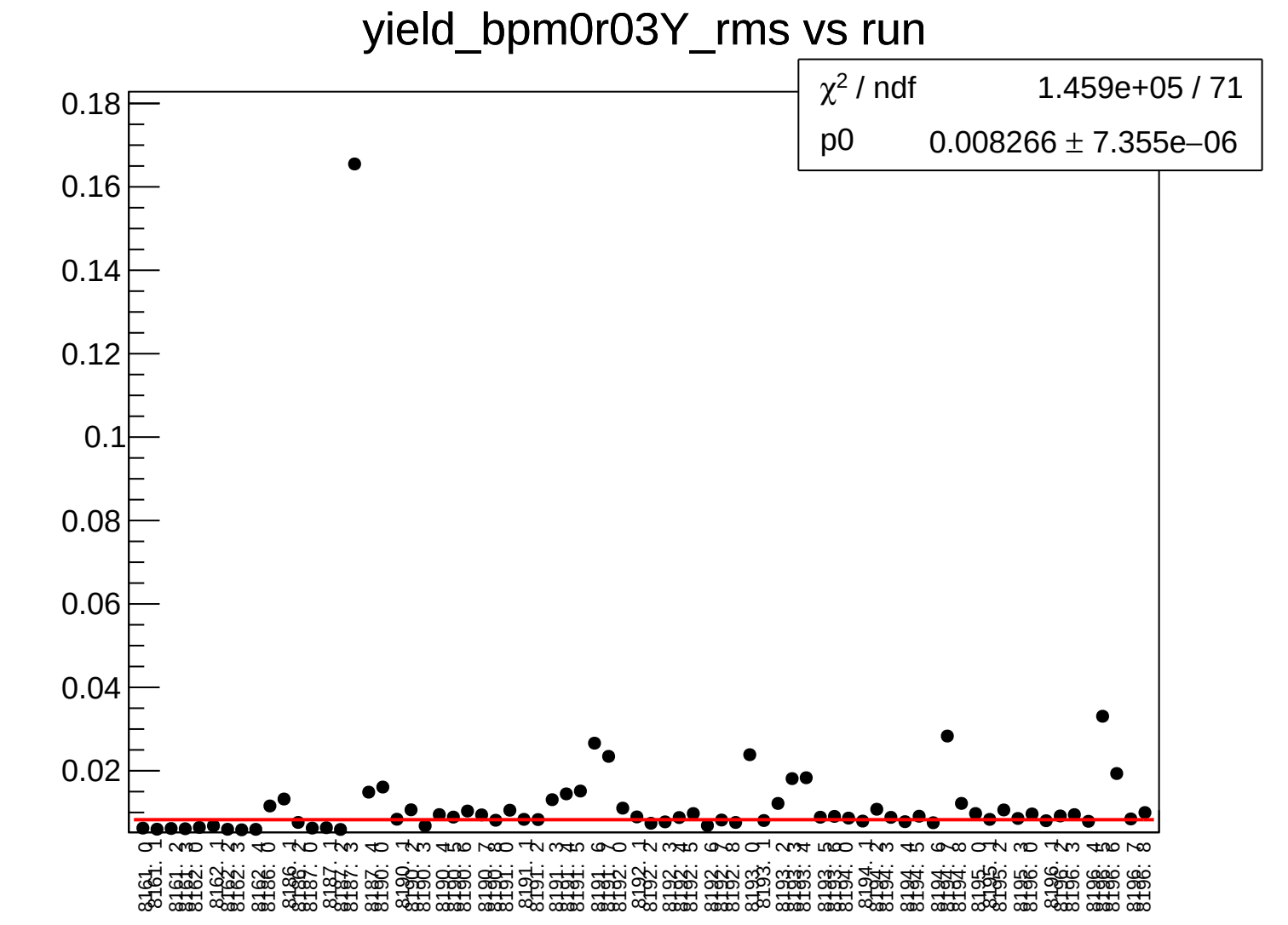

yield_bpm0r03X_mean vs run
χ² / ndf 1.304e+08 / 71
p0 −1.769 ± 9.603e−05
pull
Entries 72
Mean 1467
Std Dev 1438

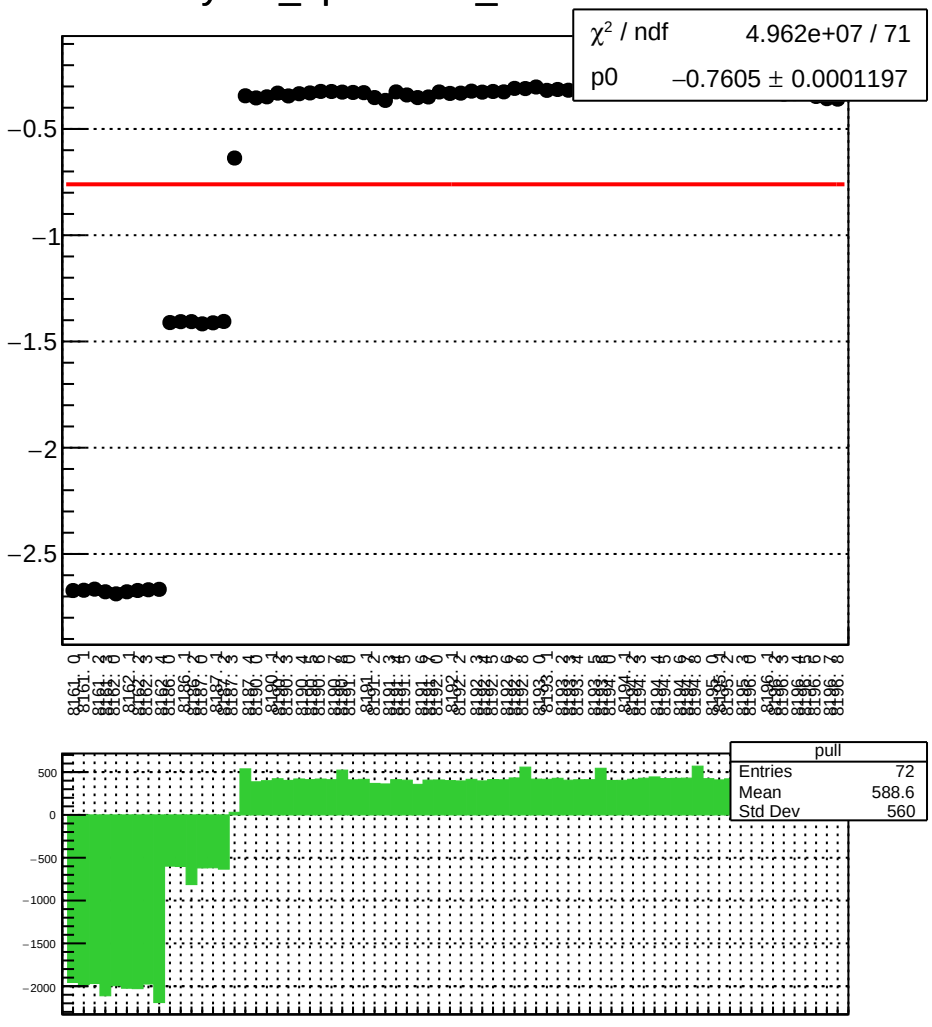

pull1D
Entries 72
Mean 0
Std Dev 0

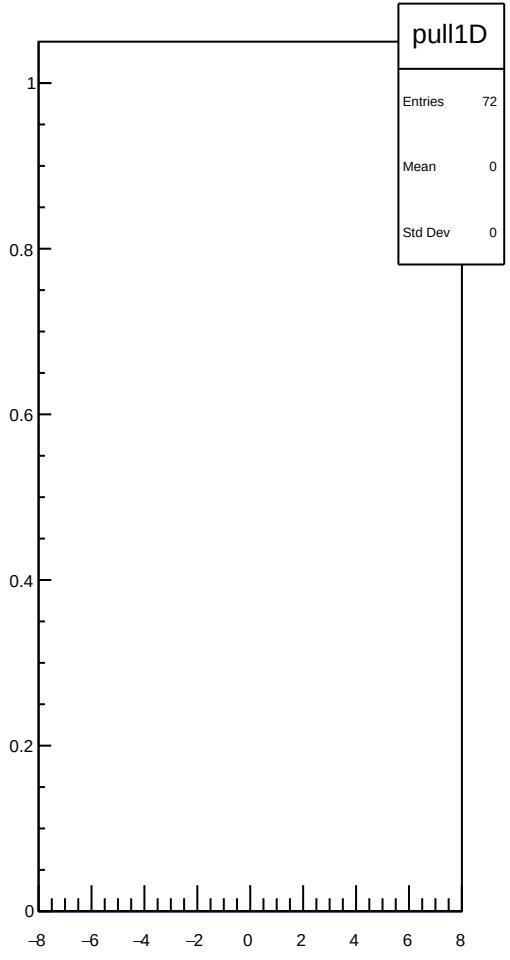

yield_bpm0r03X_rms vs run
χ² / ndf 1.749e+04 / 71
p0 0.0801 ± 6.79e−05
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

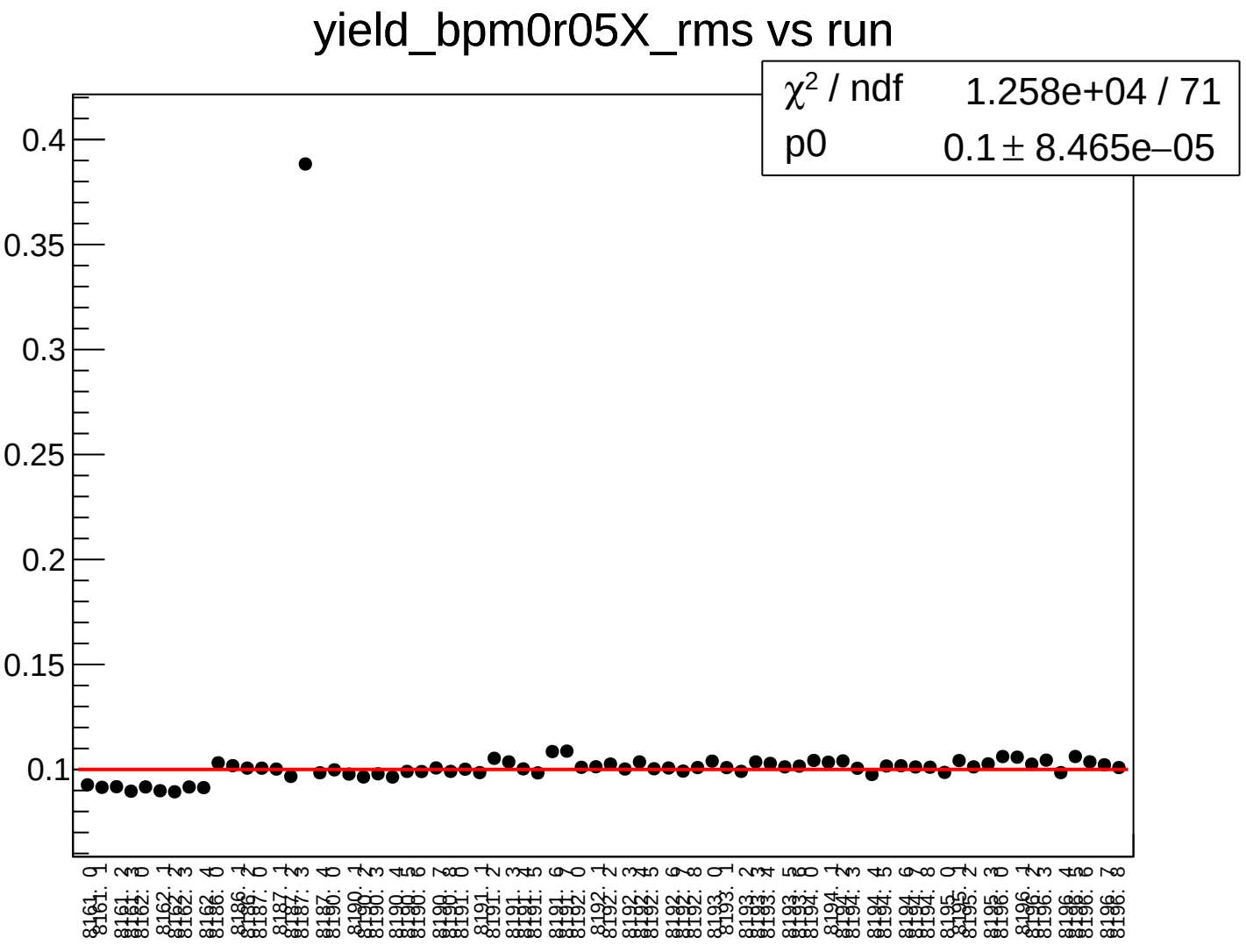

yield_bpm0r03Y_mean vs run
χ² / ndf 3.586e+08 / 71
p0 −0.4615 ± 1.04e−05
pull
Entries 72
Mean 127.8
Std Dev 97.77

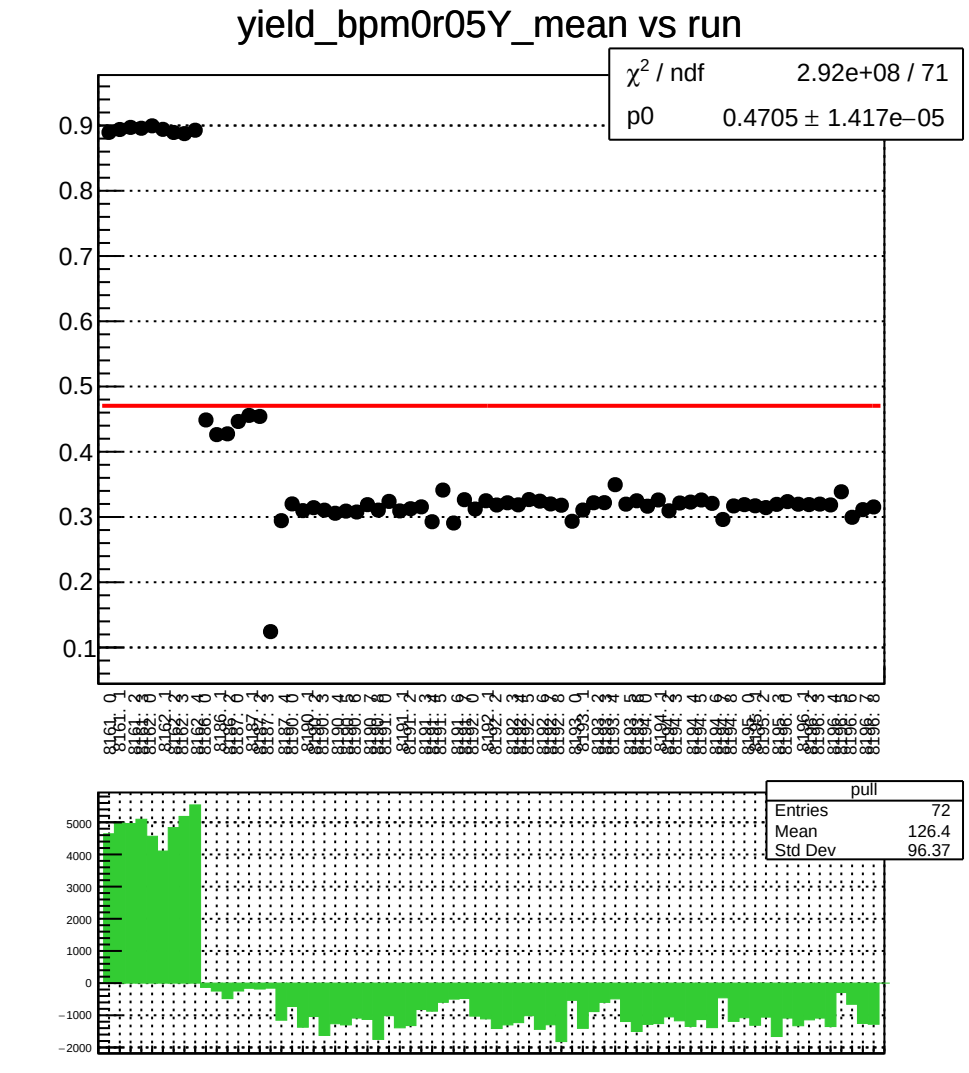

pull1D
Entries 72
Mean 0
Std Dev 0

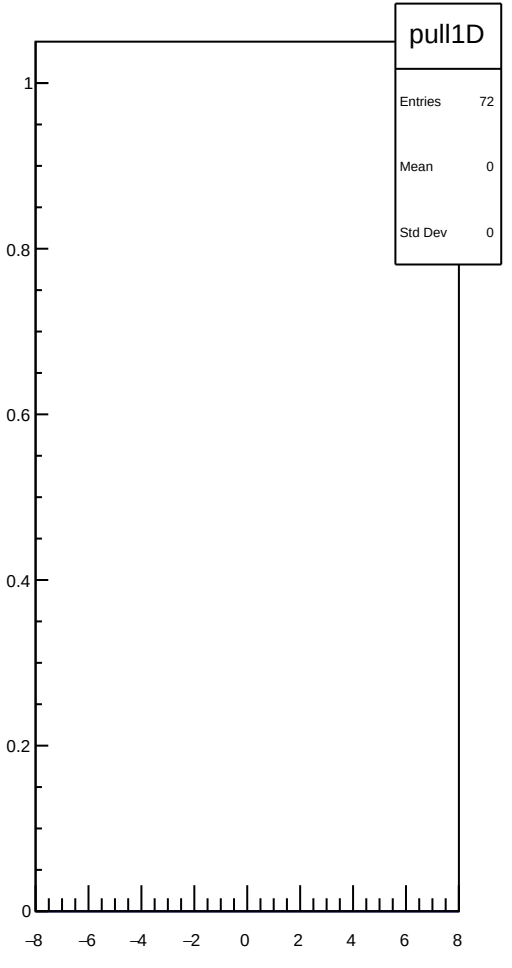

yield_bpm0r03Y_rms vs run
χ² / ndf 1.459e+05 / 71
p0 0.008266 ± 7.355e−06
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

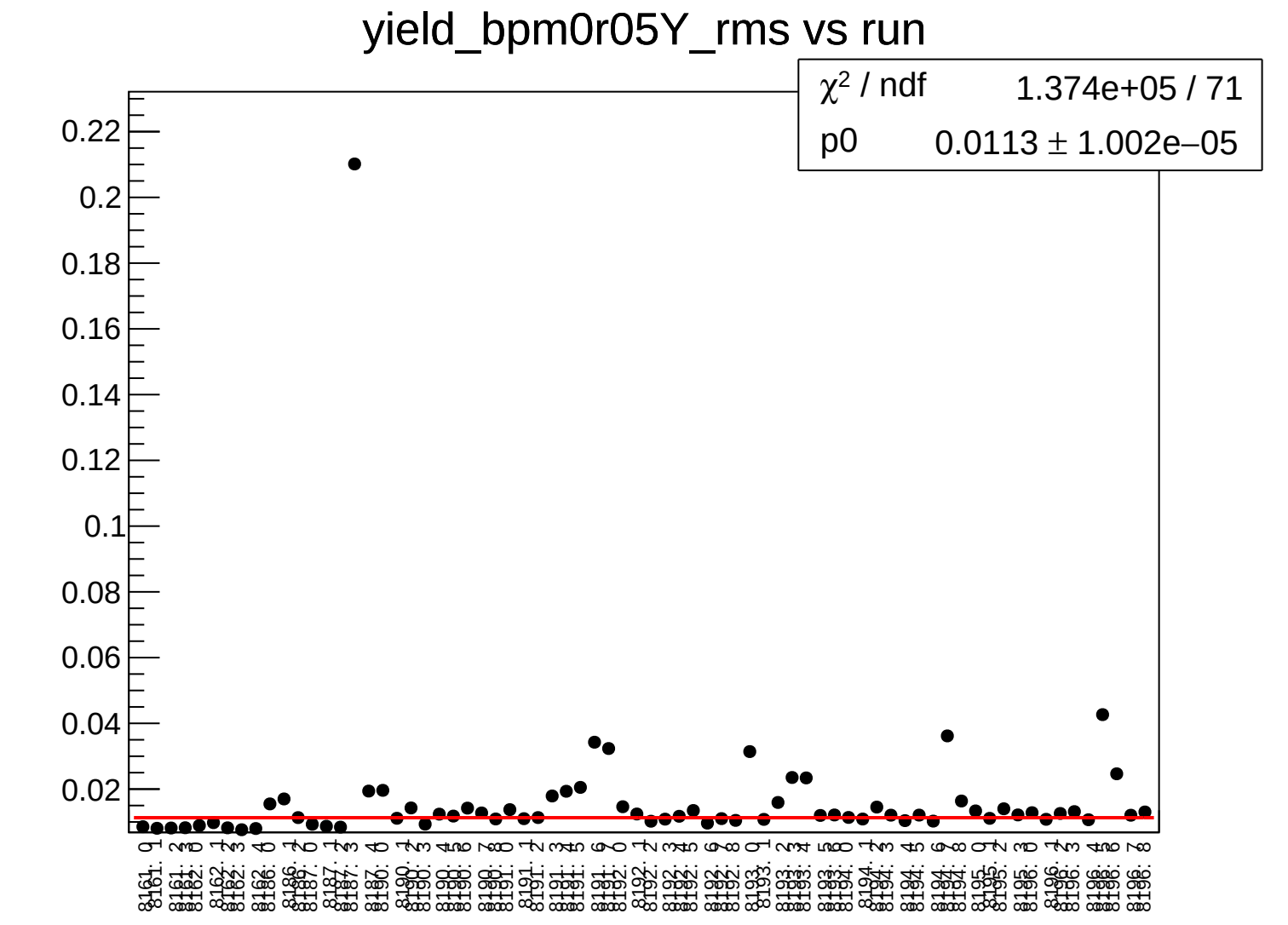

yield_bpm0r05X_mean vs run
χ² / ndf 4.962e+07 / 71
p0 −0.7605 ± 0.0001197
pull
Entries 72
Mean 588.6
Std Dev 560

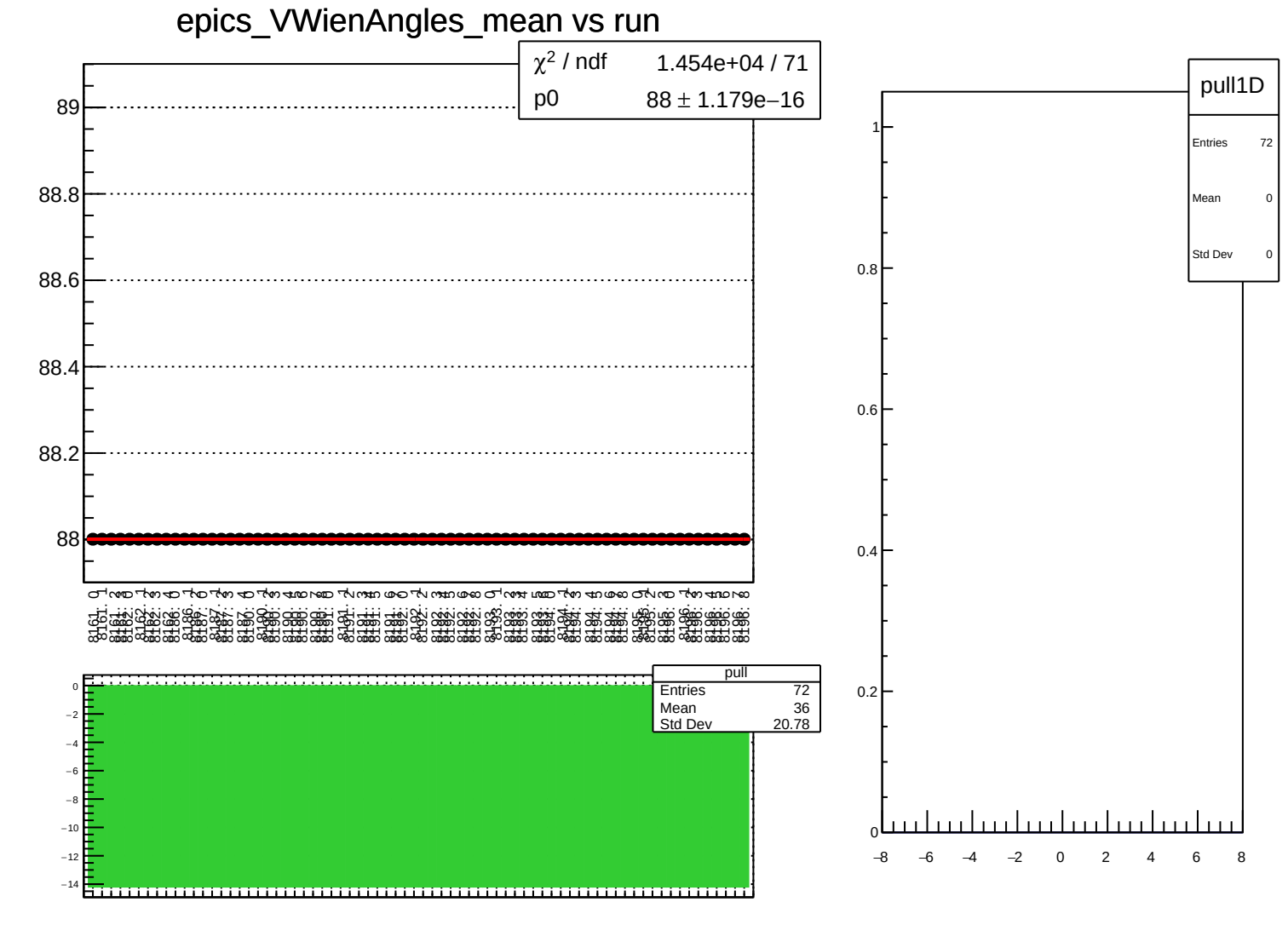

pull1D
Entries 72
Mean 0
Std Dev 0

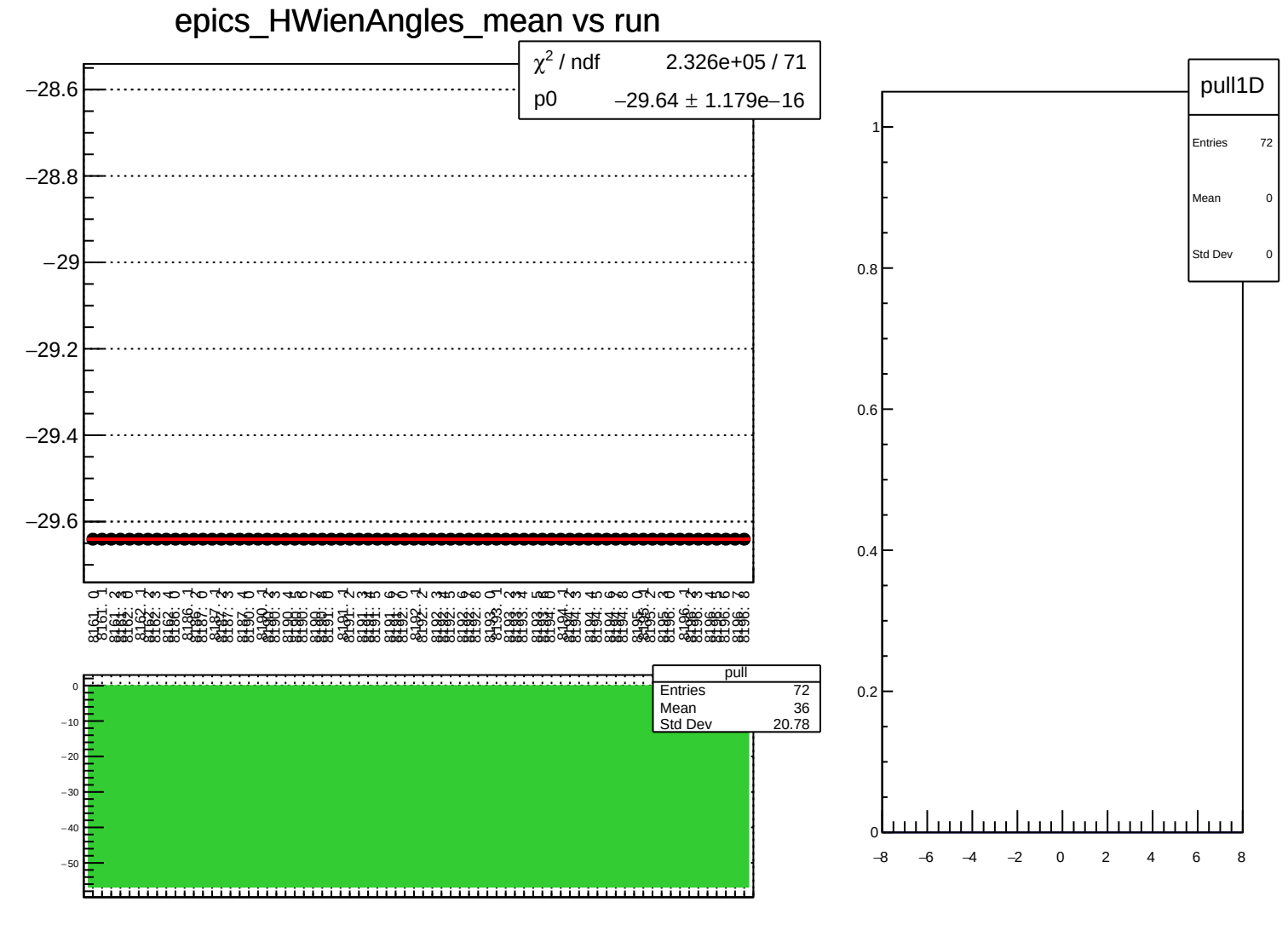

yield_bpm0r05X_rms vs run
χ² / ndf 1.258e+04 / 71
p0 0.1 ± 8.465e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1

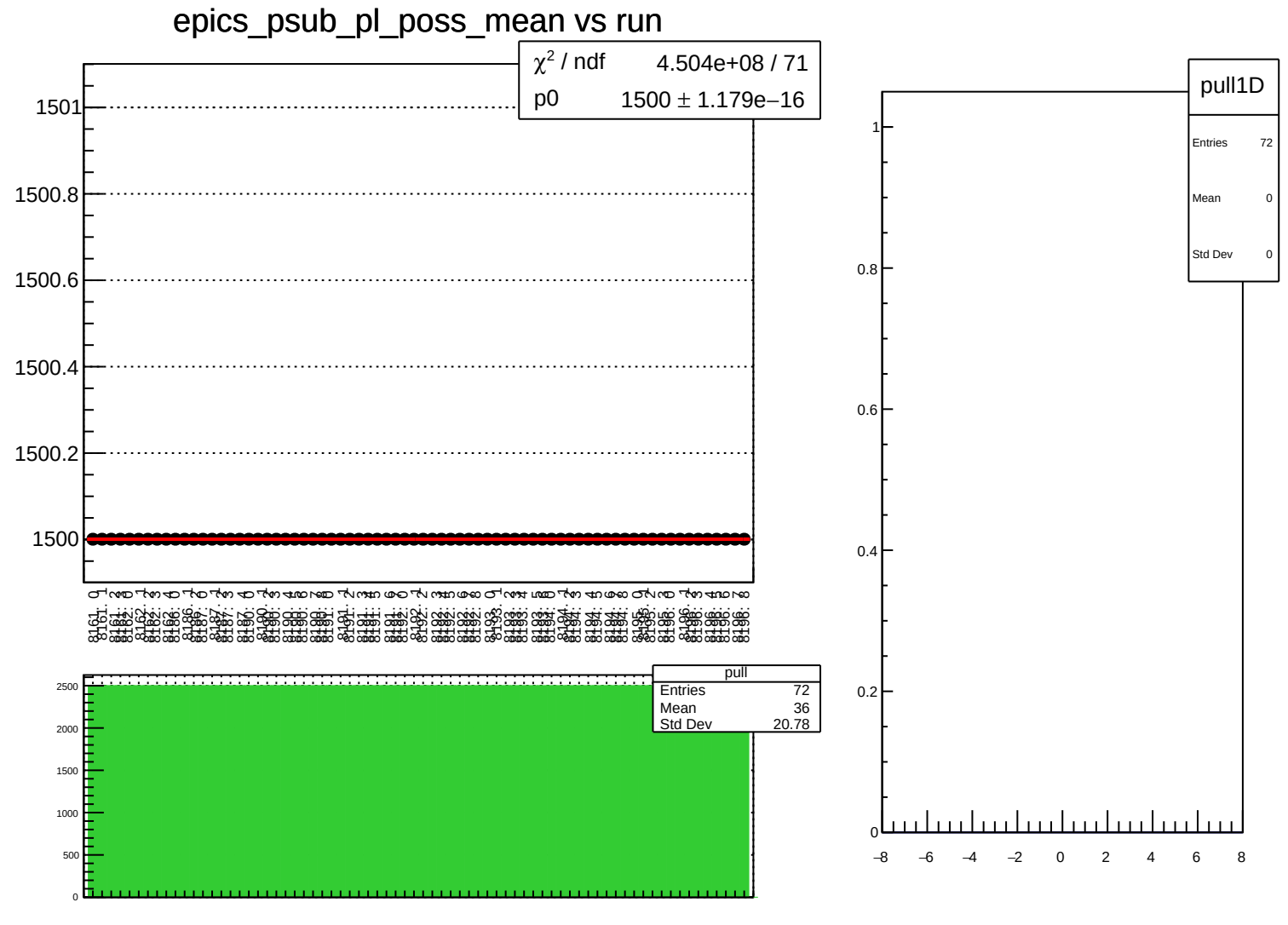

yield_bpm0r05Y_mean vs run
χ² / ndf 2.92e+08 / 71
p0 0.4705 ± 1.417e−05
pull
Entries 72
Mean 126.4
Std Dev 96.37

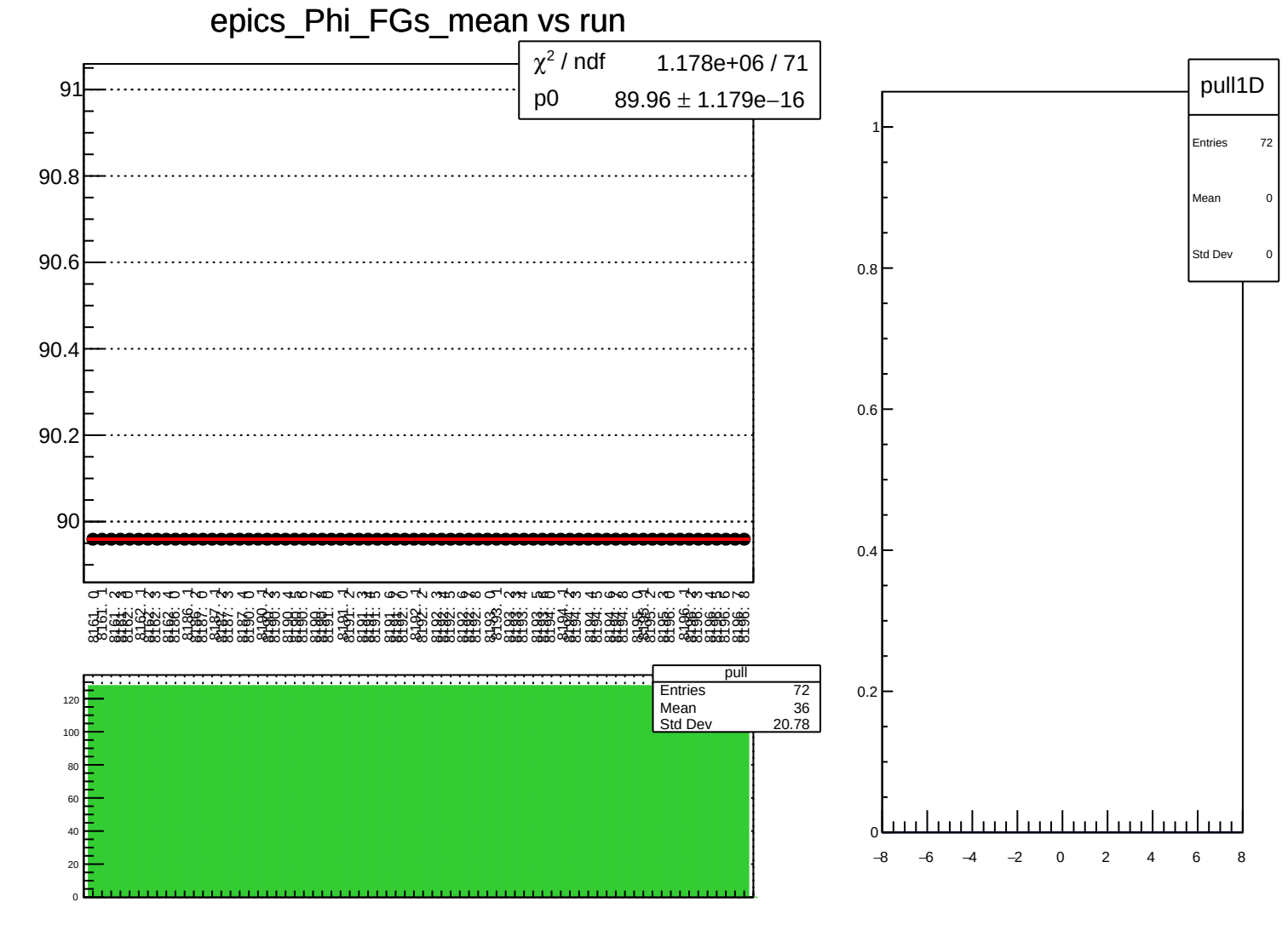

pull1D
Entries 72
Mean 0
Std Dev 0

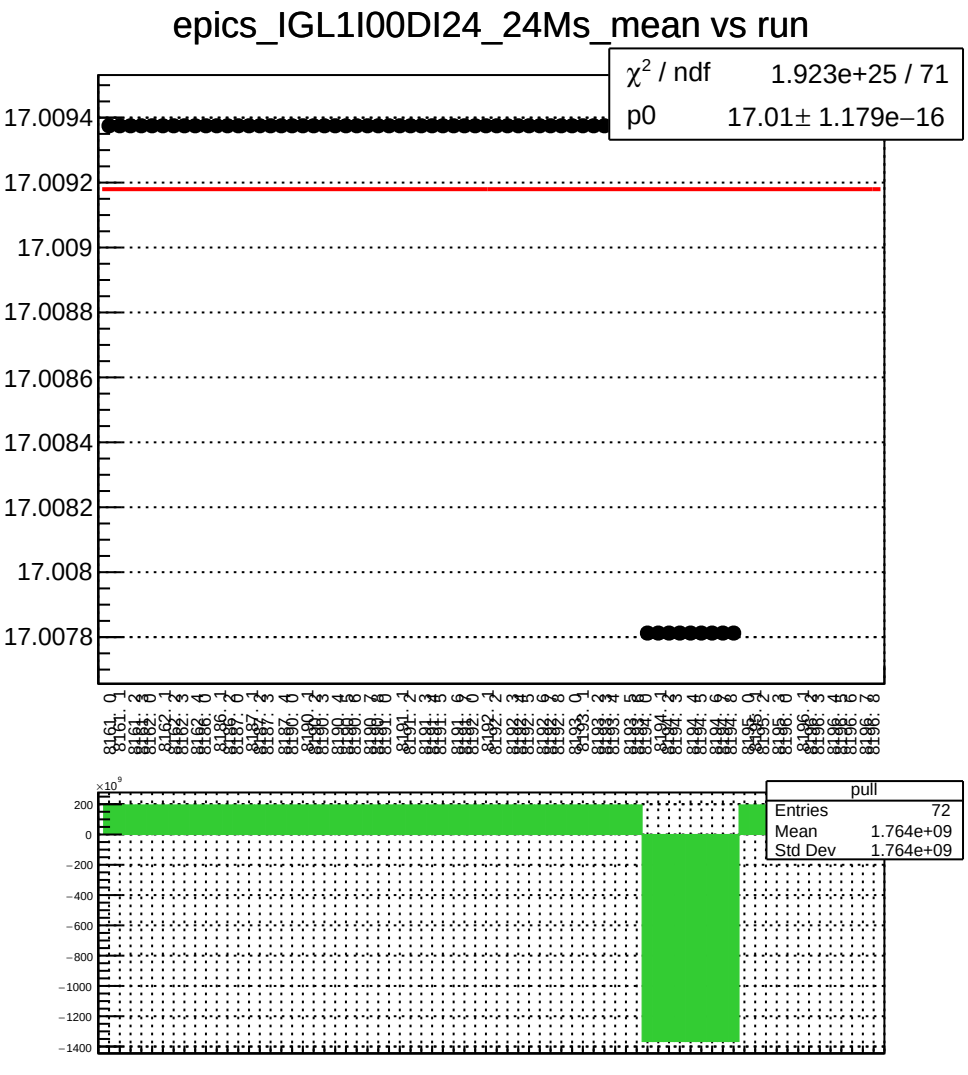

yield_bpm0r05Y_rms vs run
χ² / ndf 1.374e+05 / 71
p0 0.0113 ± 1.002e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

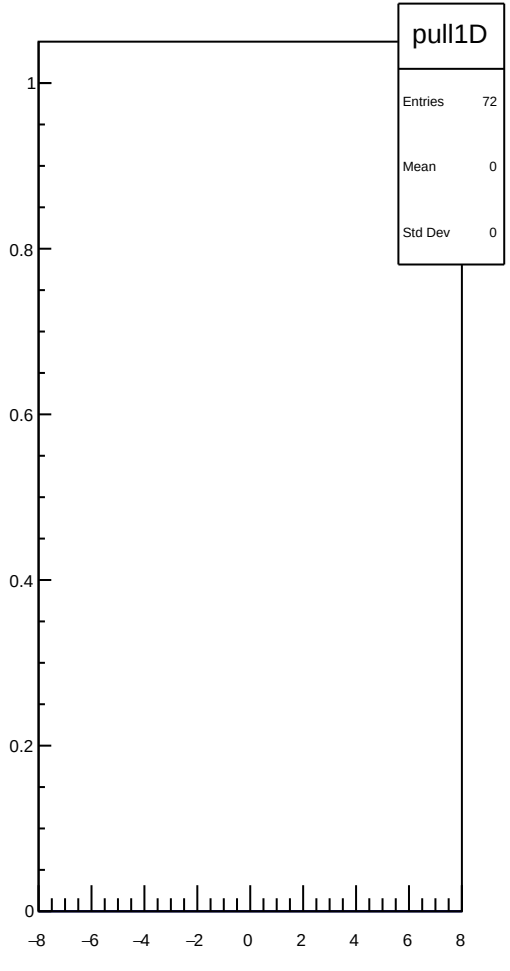

epics_VWienAngles_mean vs run
χ² / ndf 1.454e+04 / 71
p0 88 ± 1.179e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 72
Mean 36
Std Dev 20.78
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

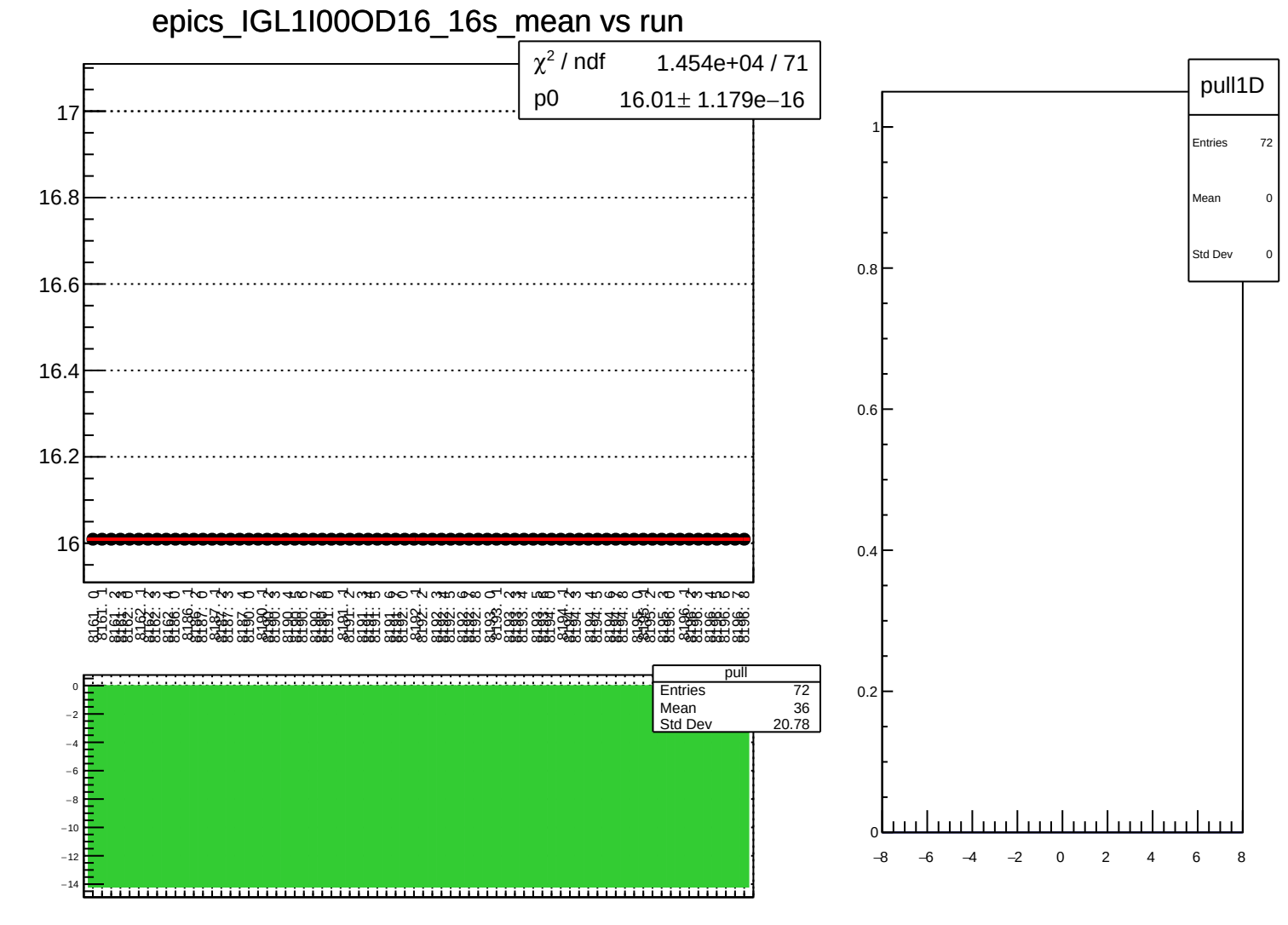

epics_HWienAngles_mean vs run
χ² / ndf 2.326e+05 / 71
p0 −29.64 ± 1.179e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 72
Mean 36
Std Dev 20.78
0
−10
−20
−30
−40
−50
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

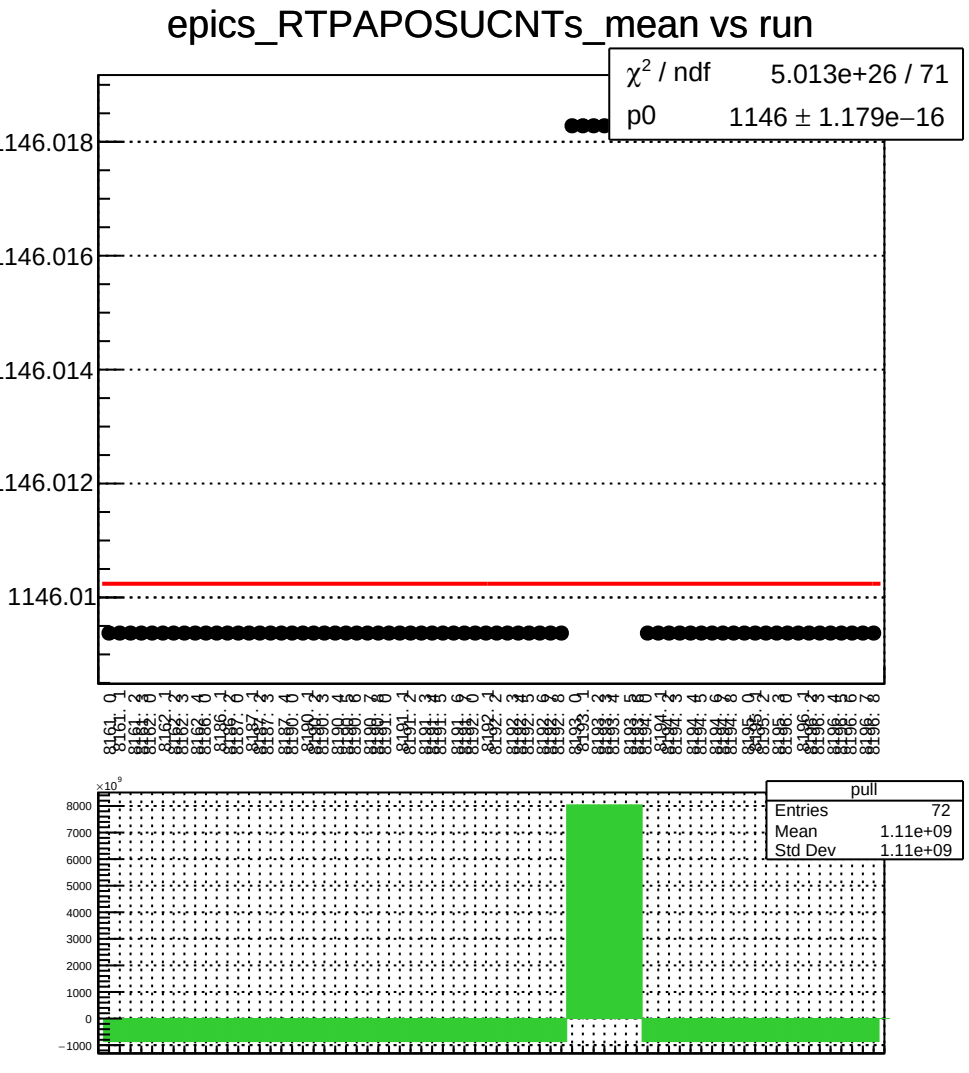

epics_psub_pl_poss_mean vs run
χ² / ndf 4.504e+08 / 71
p0 1500 ± 1.179e−16
1501
1500.8
1500.6
1500.4
1500.2
1500
pull
Entries 72
Mean 36
Std Dev 20.78
2500
2000
1500
1000
500
0
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

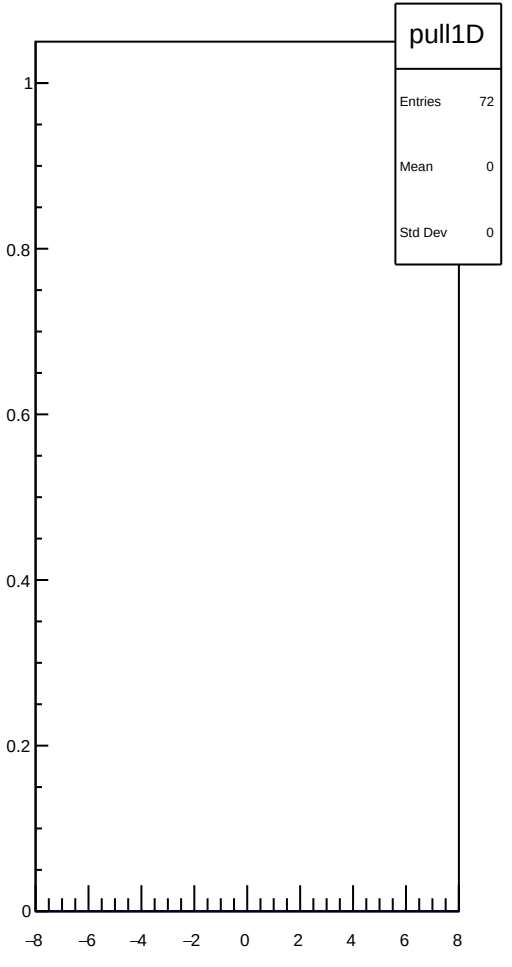

epics_Phi_FGs_mean vs run
χ² / ndf 1.178e+06 / 71
p0 89.96 ± 1.179e−16
91
90.8
90.6
90.4
90.2
90
pull
Entries 72
Mean 36
Std Dev 20.78
120
100
80
60
40
20
0
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

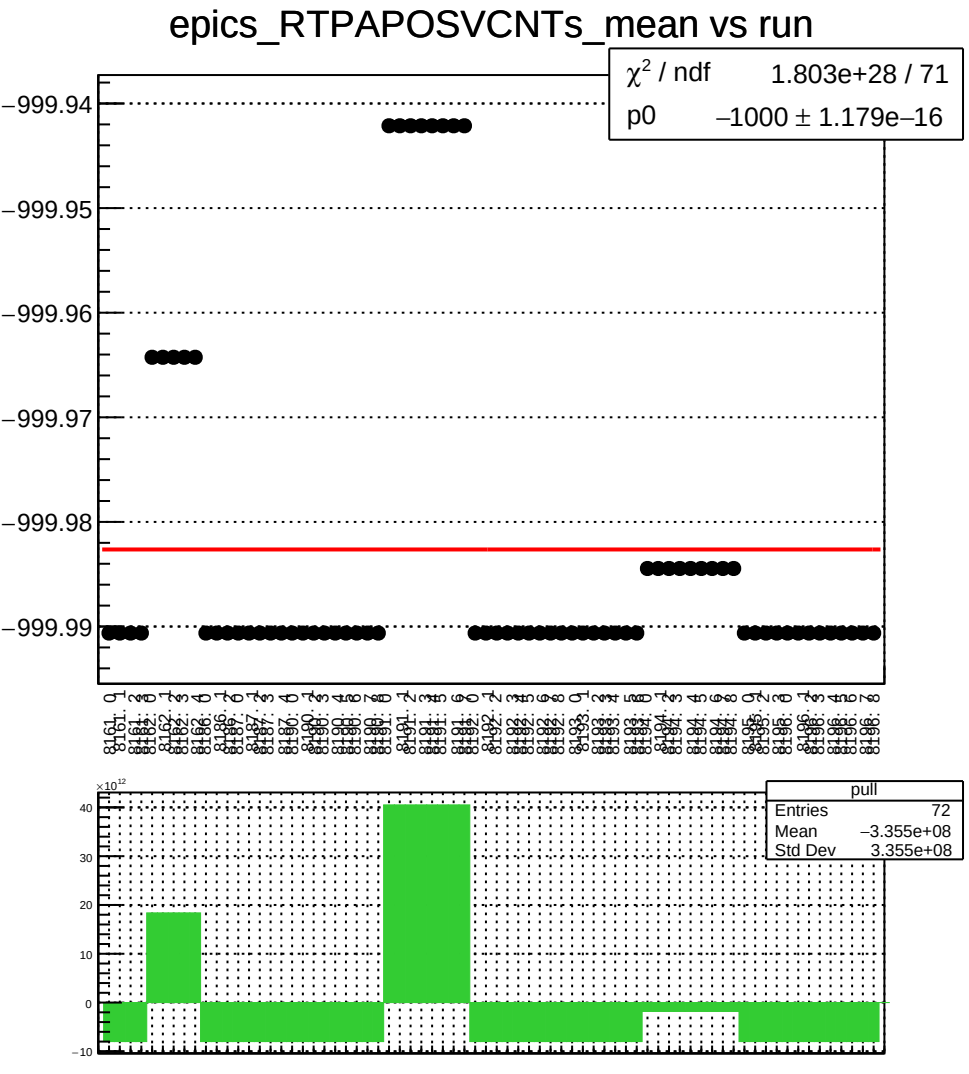

epics_IGL1I00DI24_24Ms_mean vs run
χ² / ndf 1.923e+25 / 71
p0 17.01± 1.179e−16
17.0094
17.0092
17.009
17.0088
17.0086
17.0084
17.0082
17.008
17.0078
pull
Entries 72
Mean 1.764e+09
Std Dev 1.764e+09
×10⁹
200
0
−200
−400
−600
−800
−1000
−1200
−1400

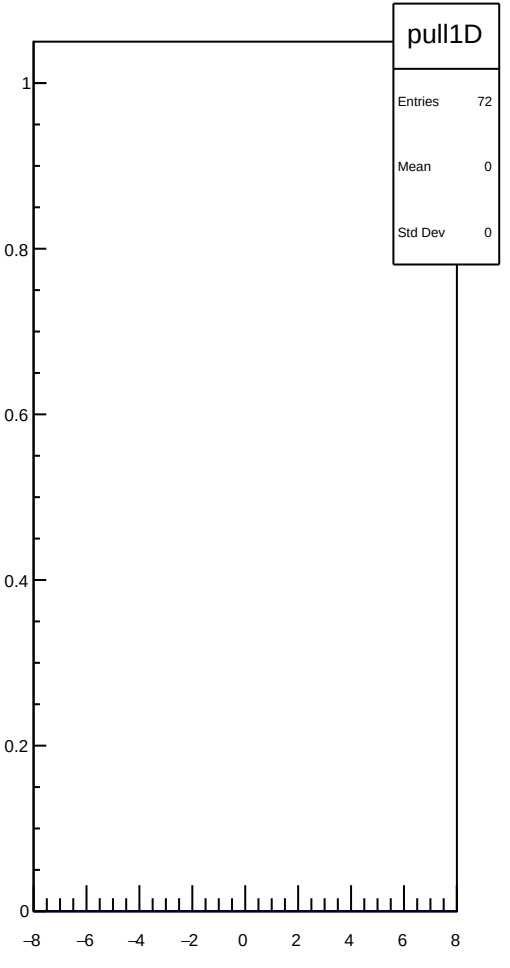

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

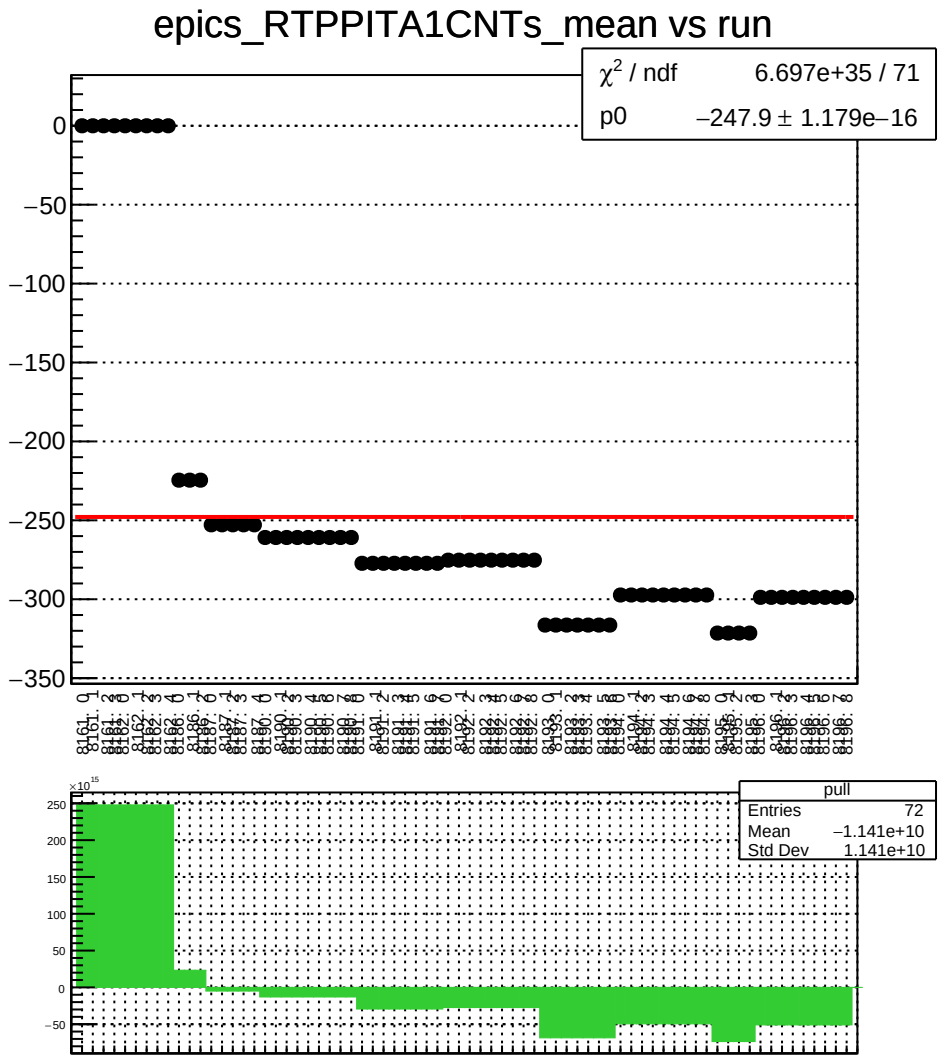

epics_IGL1I00OD16_16s_mean vs run
χ² / ndf 1.454e+04 / 71
p0 16.01± 1.179e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 72
Mean 36
Std Dev 20.78
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

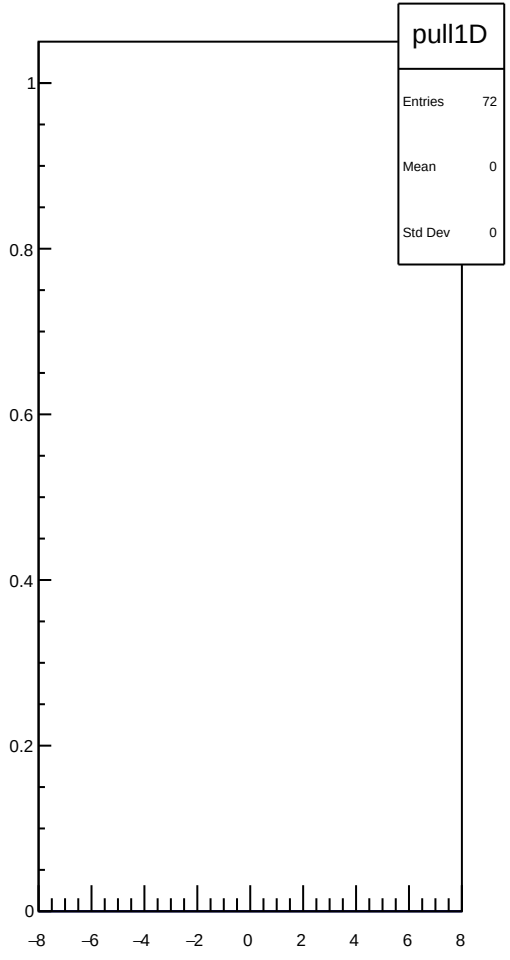

epics_RTPAPOSUCNTs_mean vs run
χ² / ndf 5.013e+26 / 71
p0 1146 ± 1.179e−16
1146.018
1146.016
1146.014
1146.012
1146.01
pull
Entries 72
Mean 1.11e+09
Std Dev 1.11e+09
×10⁹
8000
7000
6000
5000
4000
3000
2000
1000
0
−1000

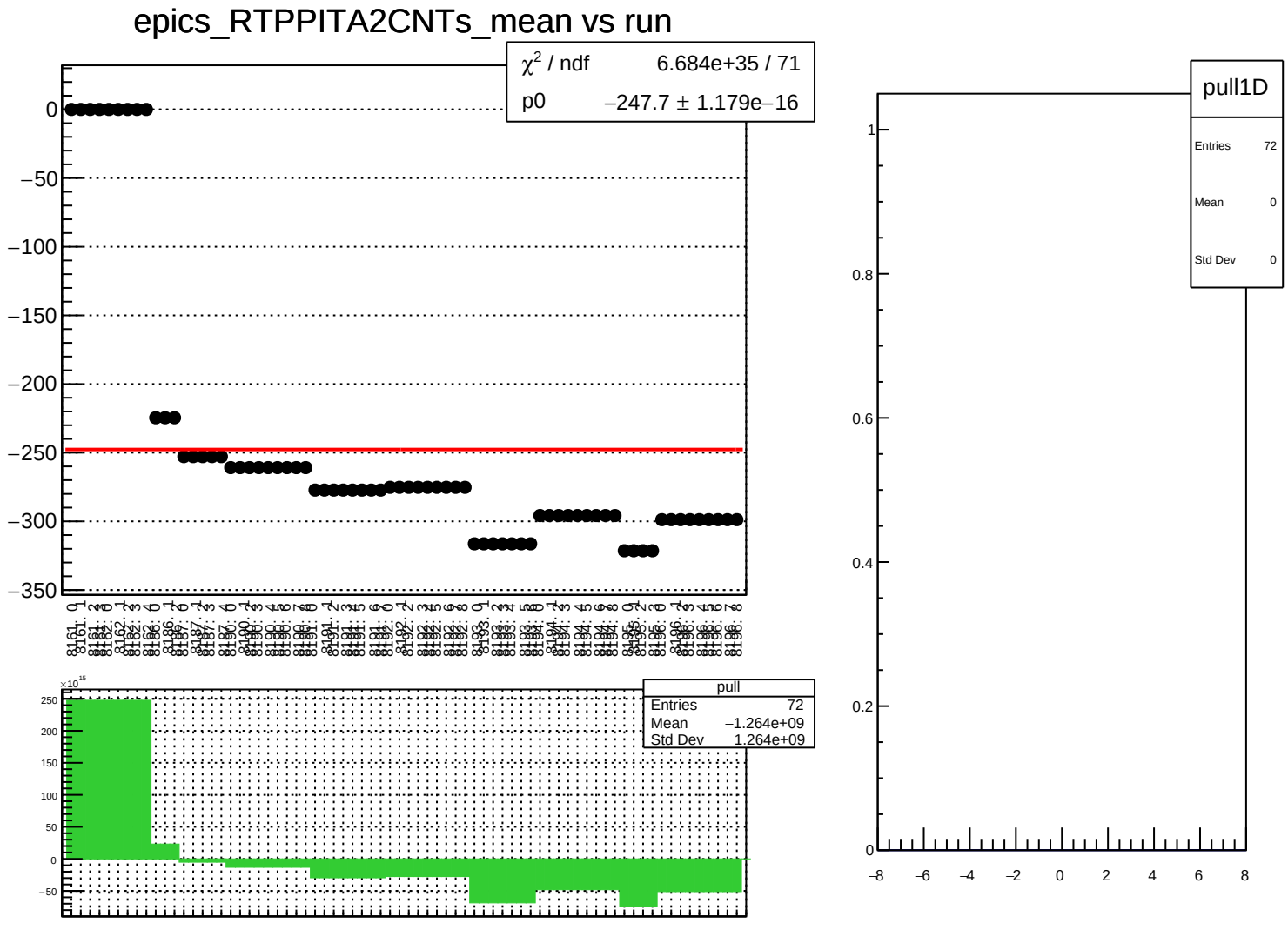

pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


epics_RTPAPOSVCNTs_mean vs run
χ² / ndf 1.803e+28 / 71
p0 −1000 ± 1.179e−16
−999.94
−999.95
−999.96
−999.97
−999.98
−999.99
pull
Entries 72
Mean −3.355e+08
Std Dev 3.355e+08
×10¹²
40
30
20
10
0
−10


pull1D
Entries 72
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


epics_RTPPITA1CNTs_mean vs run
χ² / ndf 6.697e+35 / 71
p0 −247.9 ± 1.179e−16
pull
Entries 72
Mean −1.141e+10
Std Dev 1.141e+10


pull1D
Entries 72
Mean 0
Std Dev 0


epics_RTPPITA2CNTs_mean vs run
χ² / ndf 6.684e+35 / 71
p0 −247.7 ± 1.179e−16
pull
Entries 72
Mean −1.264e+09
Std Dev 1.264e+09
pull1D
Entries 72
Mean 0
Std Dev 0