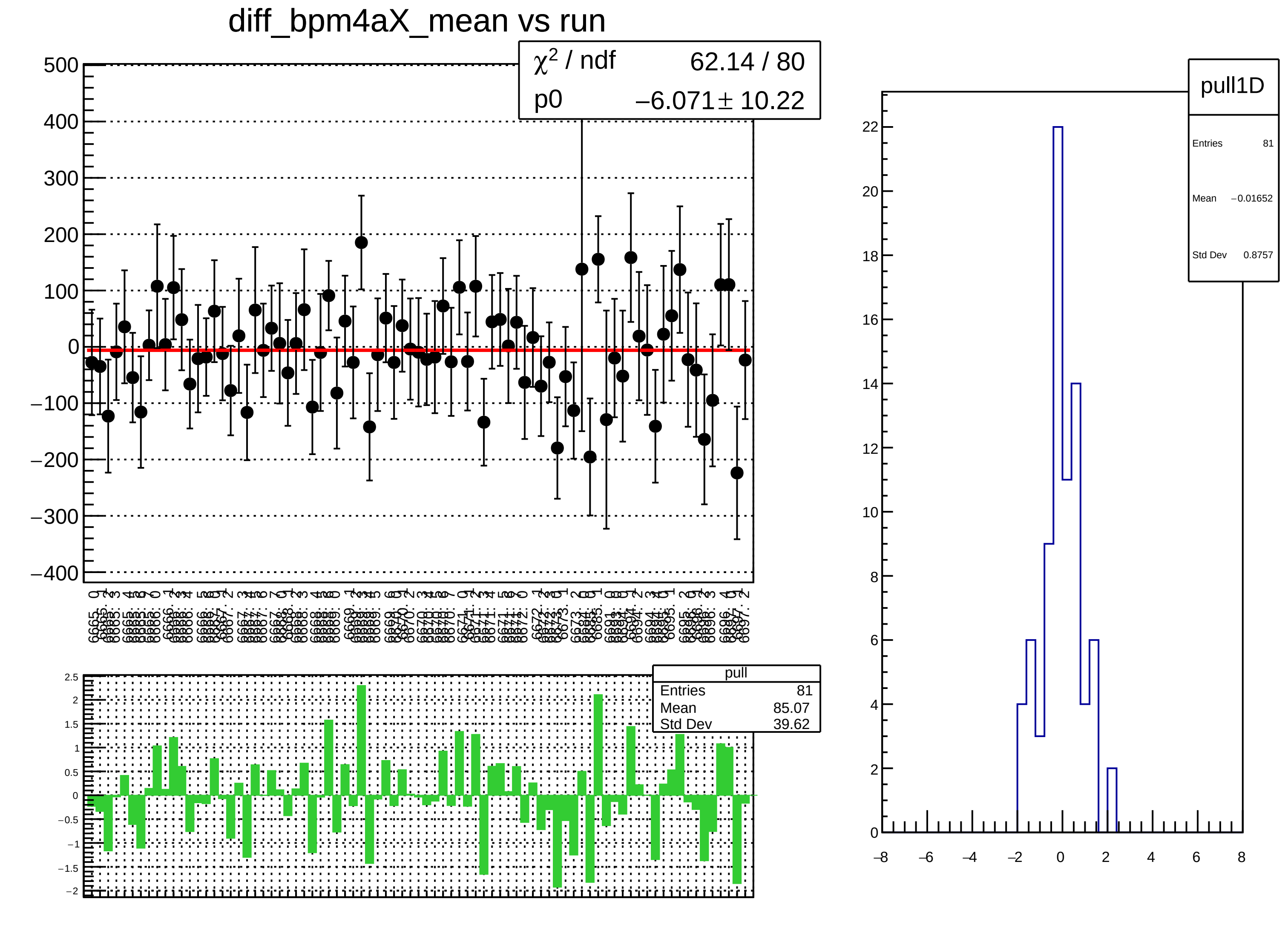
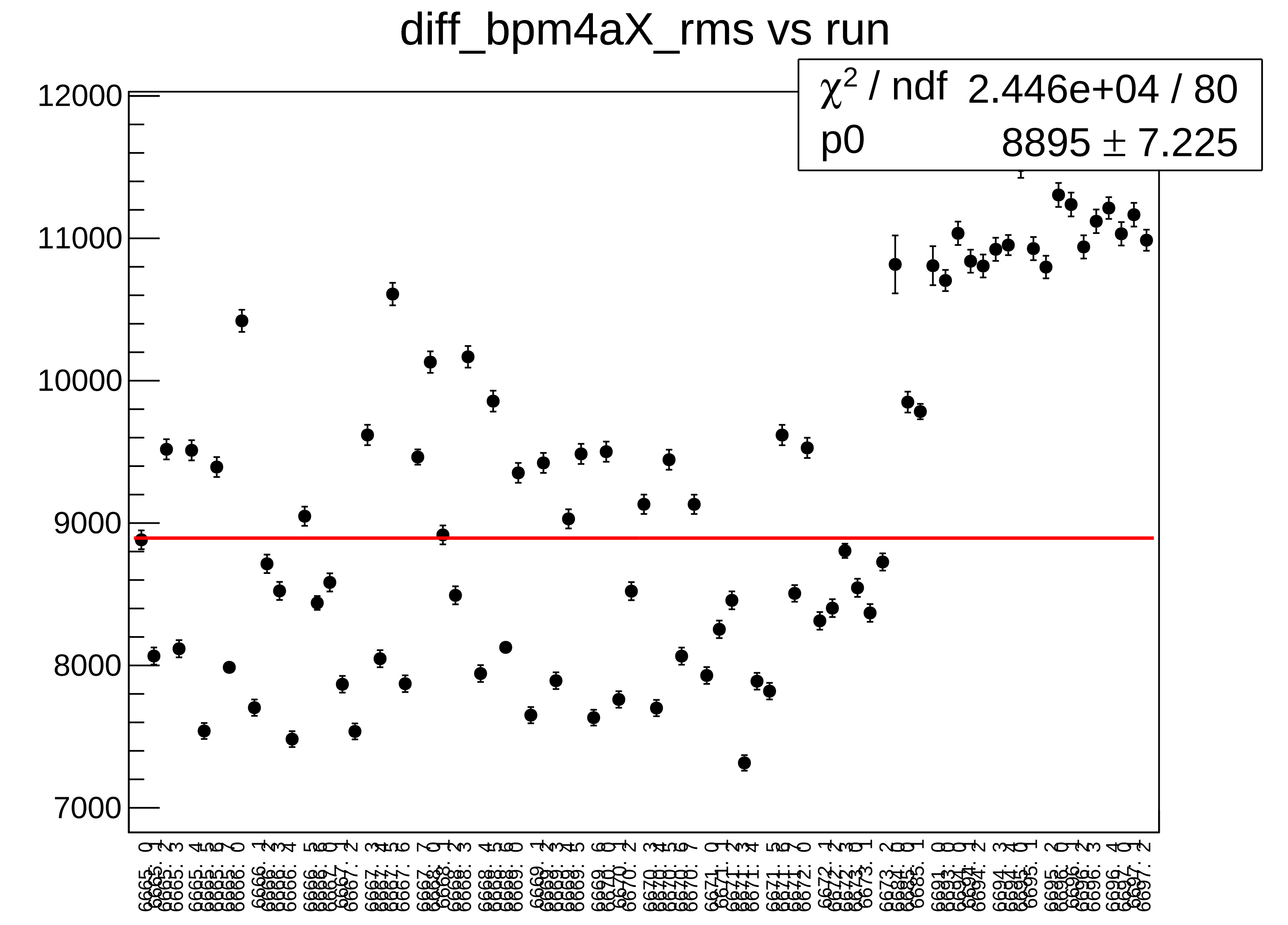
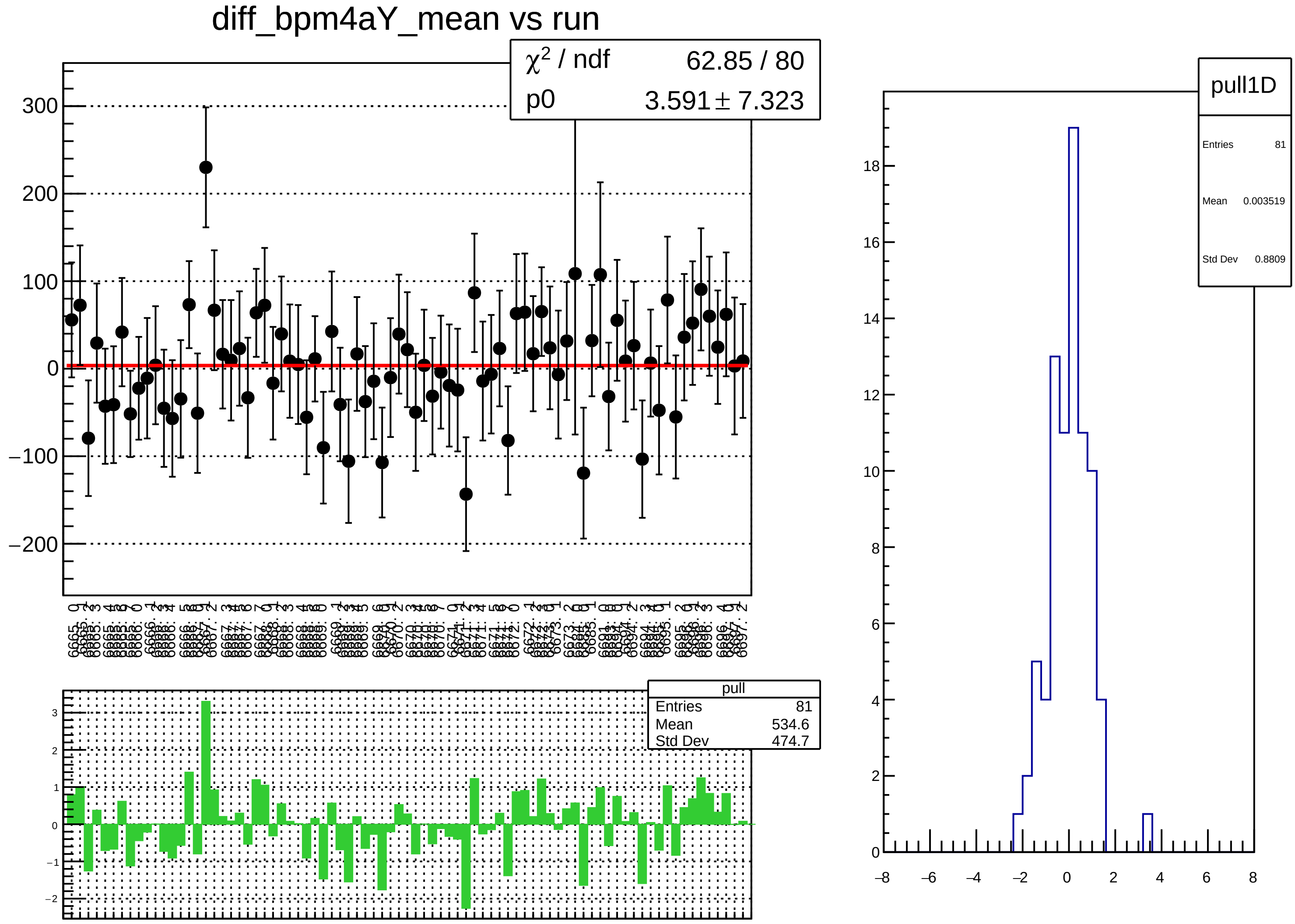


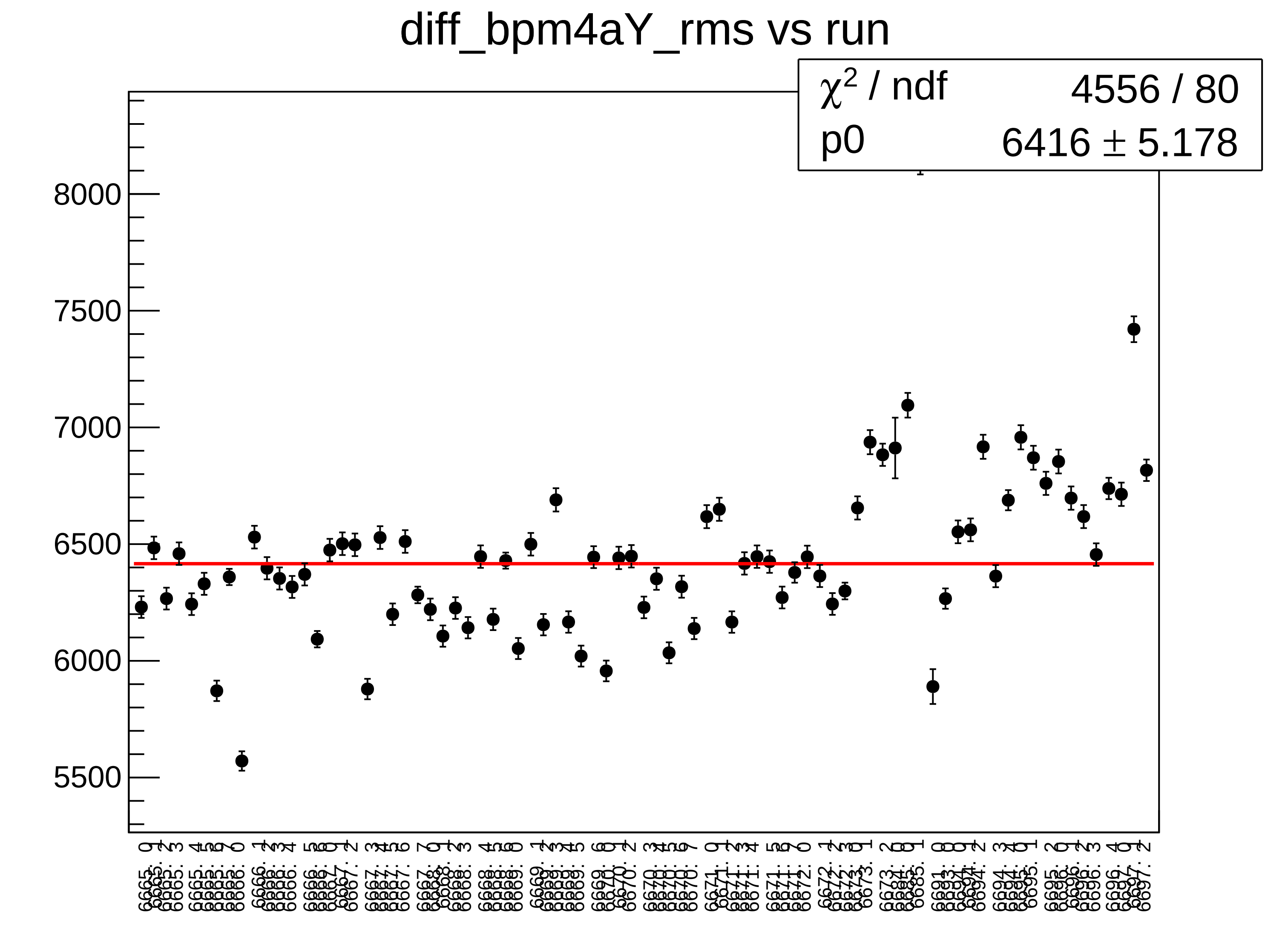
diff_bpm4aX_mean vs run
χ^2 / ndf 62.14 / 80
p0 −6.071 ± 10.22
pull
Entries 81
Mean 85.07
Std Dev 39.62
pull1D
Entries 81
Mean −0.01652
Std Dev 0.8757

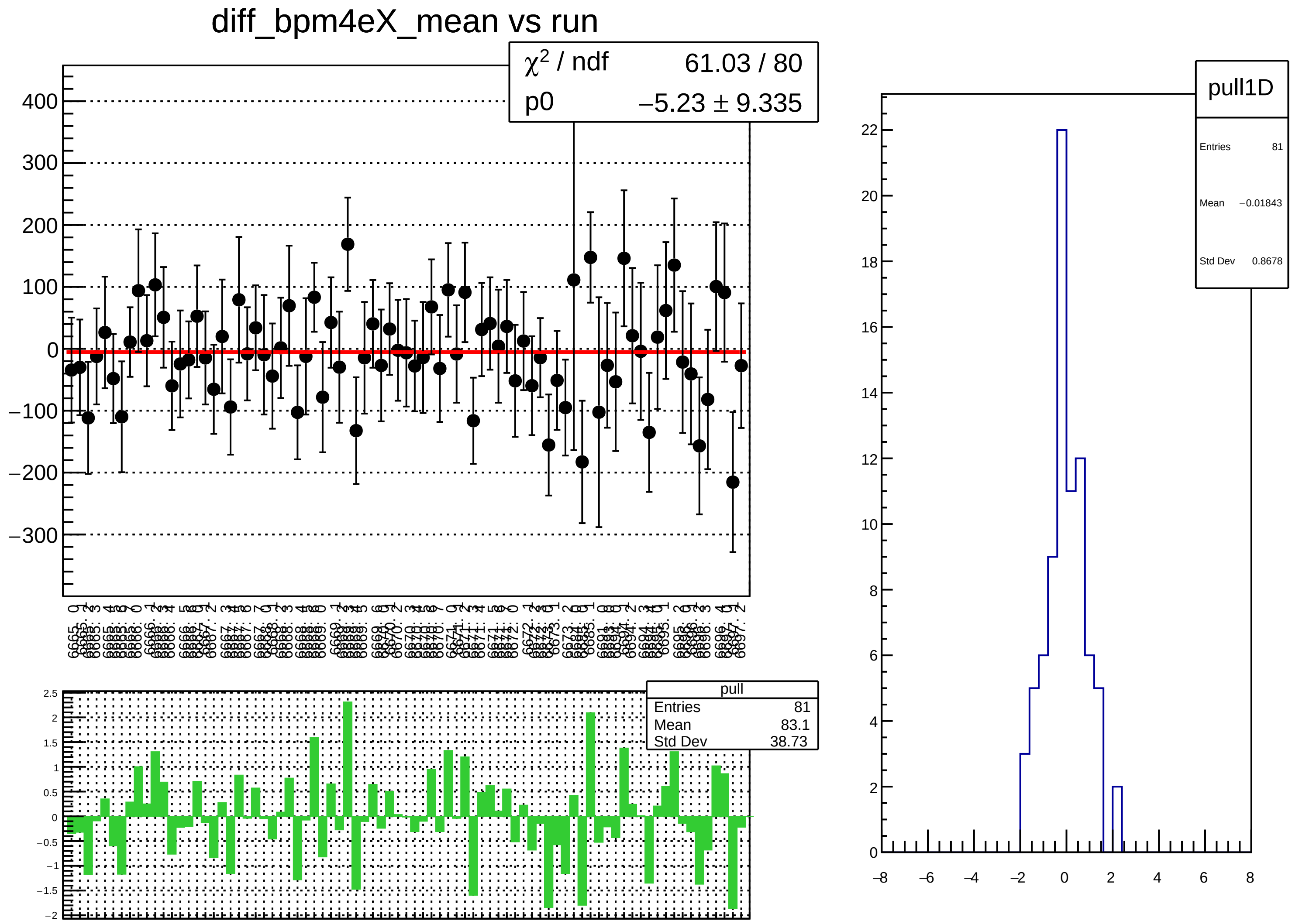


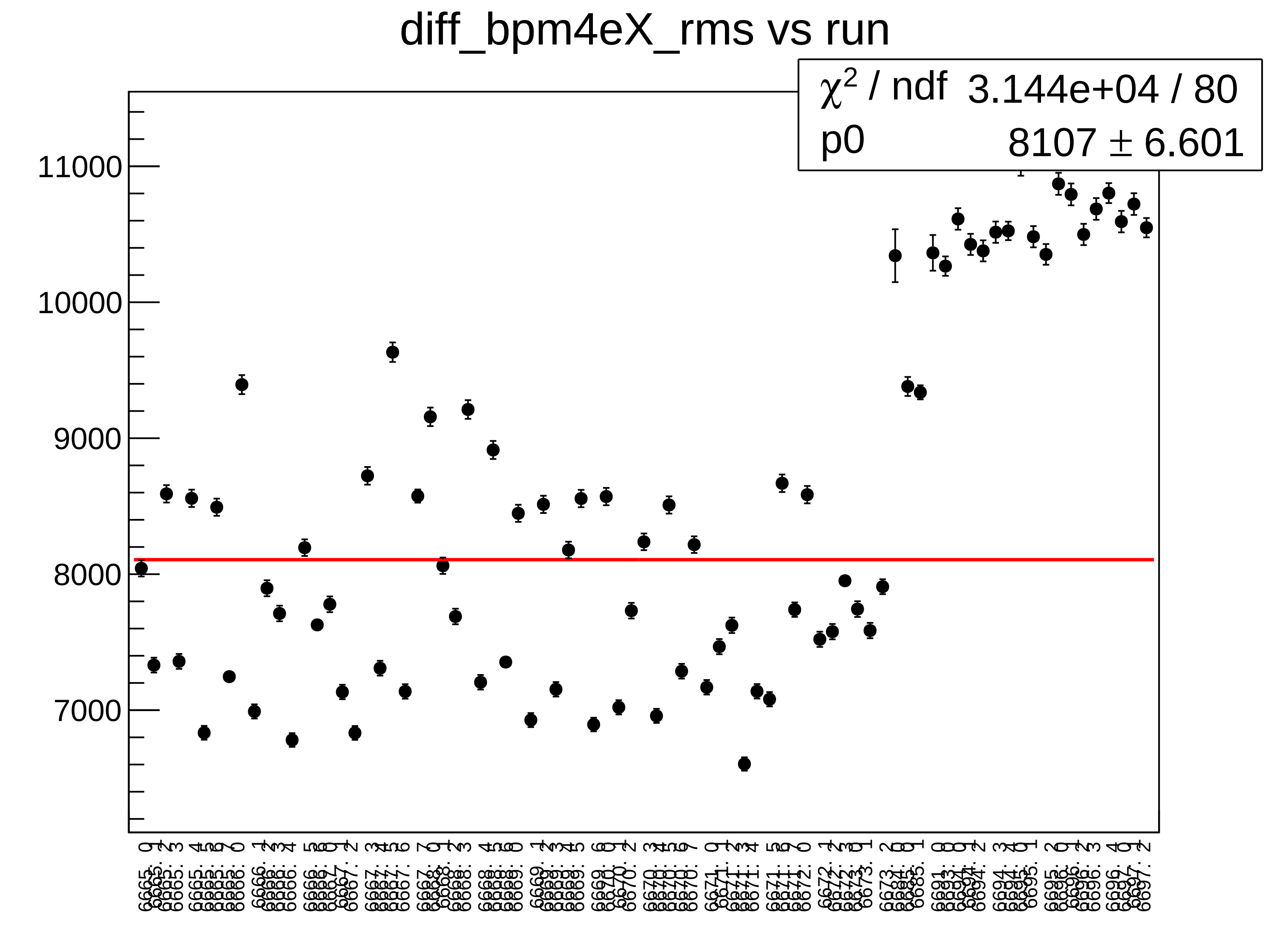
diff_bpm4aX_rms vs run
χ^2 / ndf 2.446e+04 / 80
p0 8895 ± 7.225
12000
11000
10000
9000
8000
7000



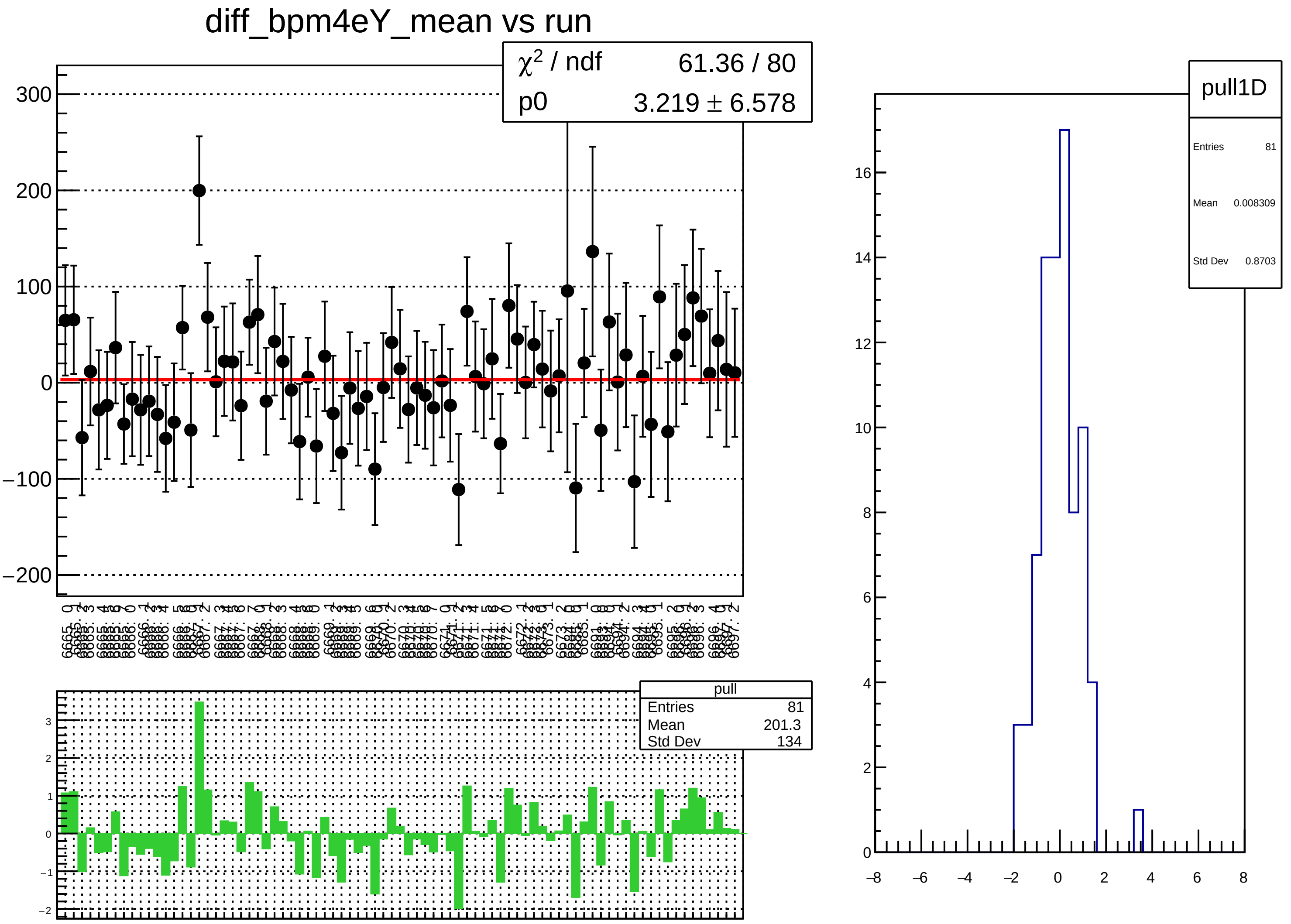
diff_bpm4aY_mean vs run
χ2 / ndf 62.85 / 80
p0 3.591 ± 7.323
300
200
100
0
−100
−200
pull
Entries 81
Mean 534.6
Std Dev 474.7
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.003519
Std Dev 0.8809
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4aY_rms vs run
χ2 / ndf 4556 / 80
p0 6416 ± 5.178

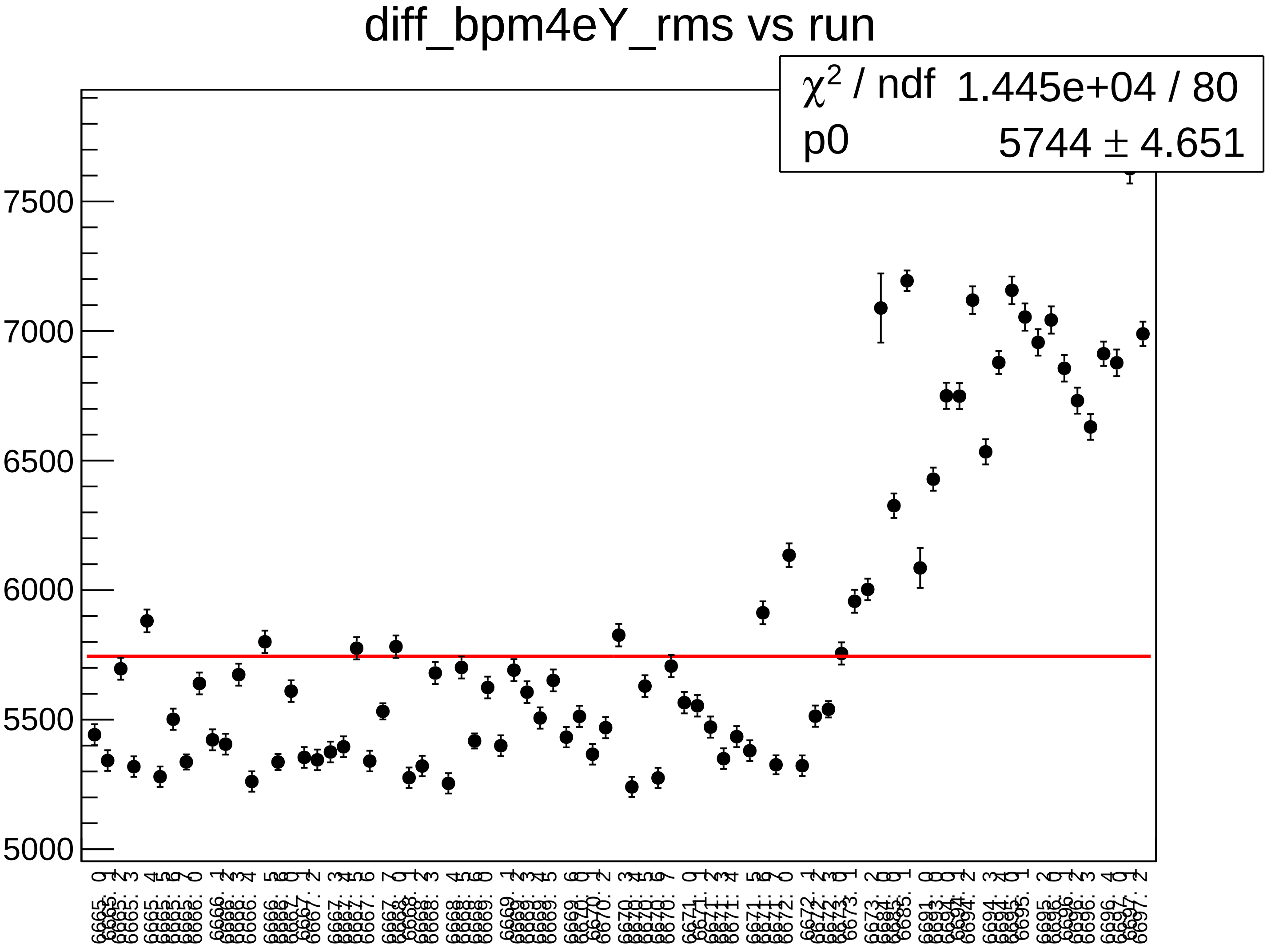

diff_bpm4eX_mean vs run
χ^2 / ndf 61.03 / 80
p0 −5.23 ± 9.335
pull
Entries 81
Mean 83.1
Std Dev 38.73
pull1D
Entries 81
Mean −0.01843
Std Dev 0.8678

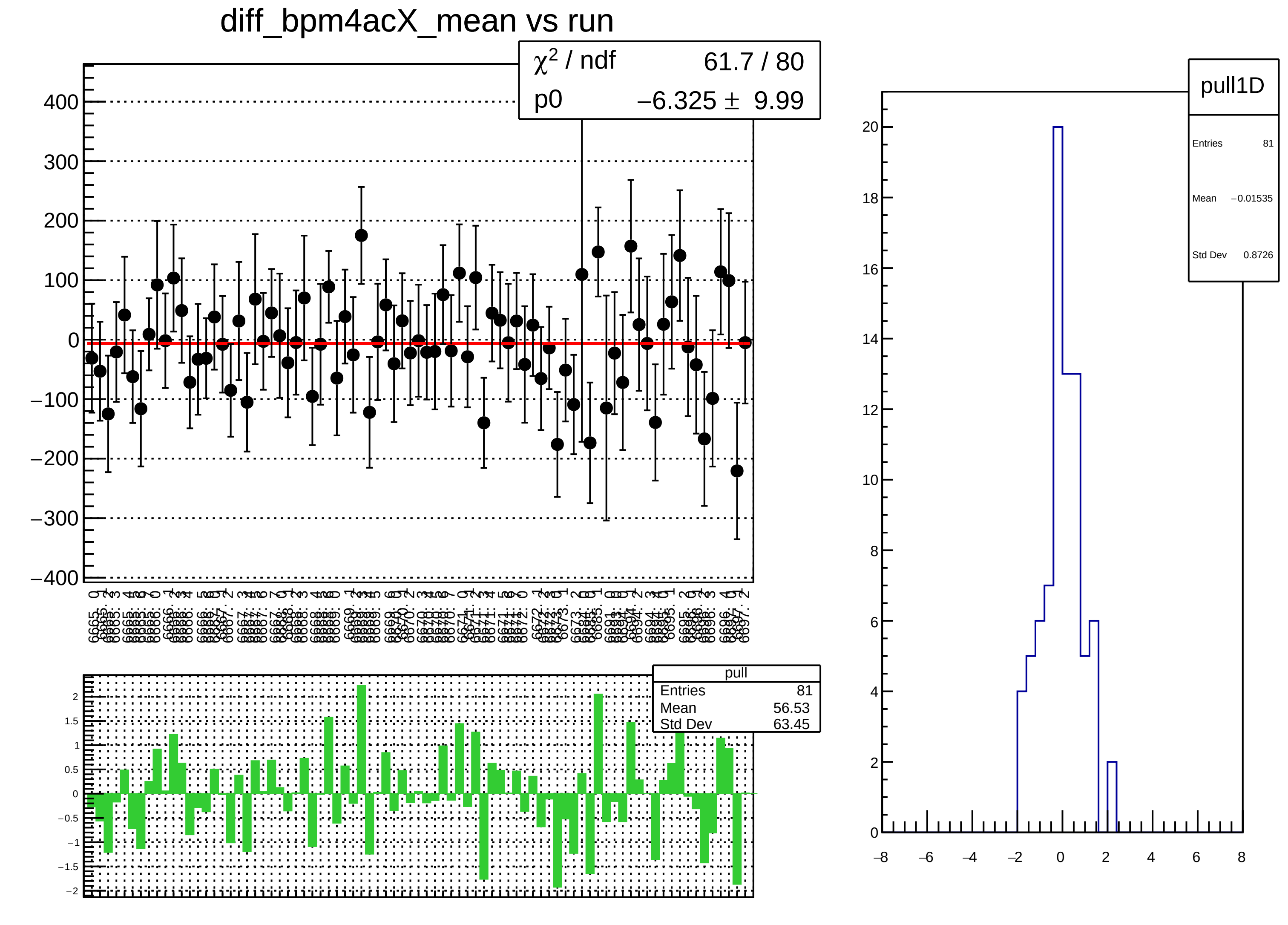


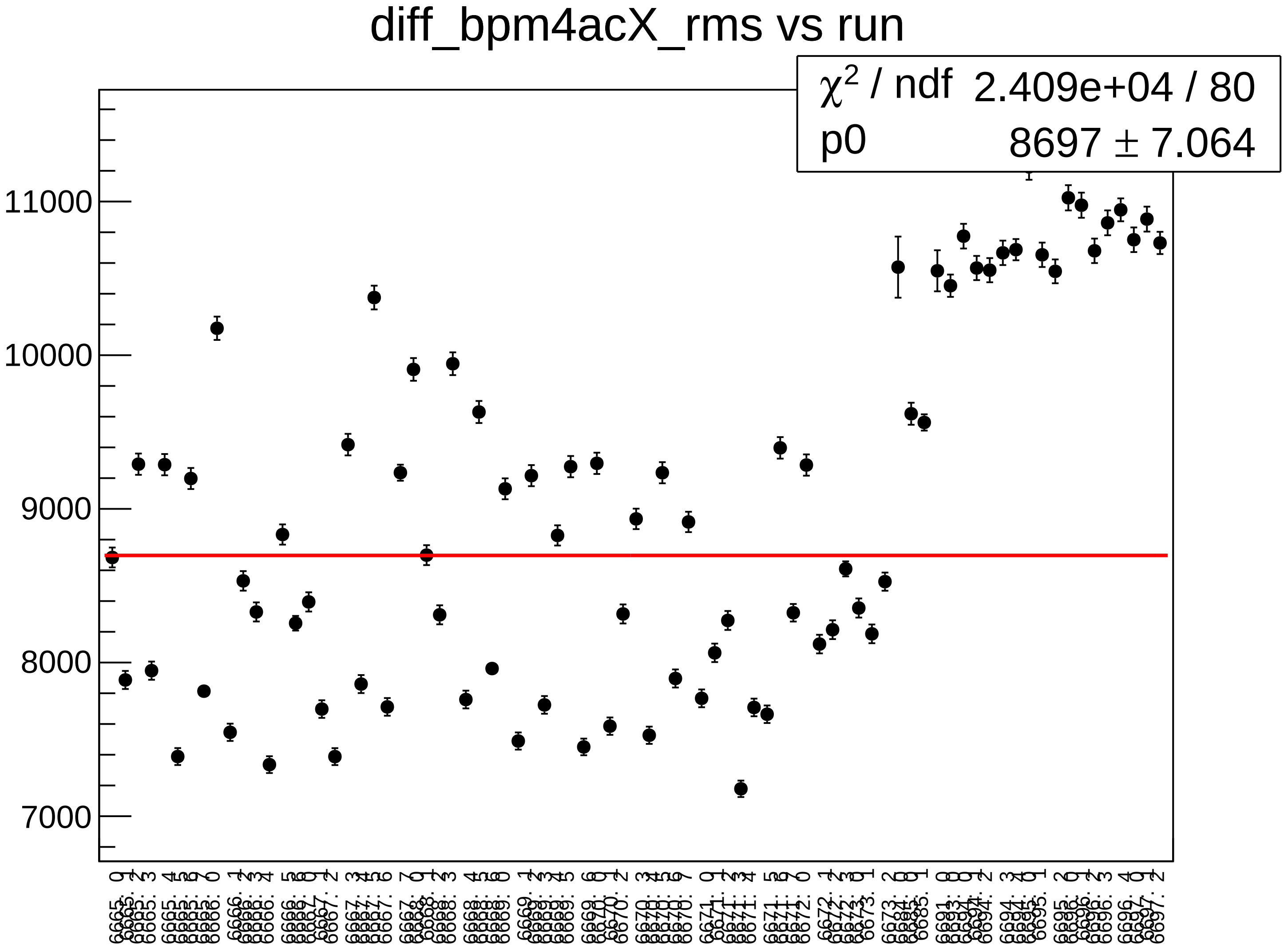
diff_bpm4eX_rms vs run
χ2 / ndf 3.144e+04 / 80
p0 8107 ± 6.601
11000
10000
9000
8000
7000

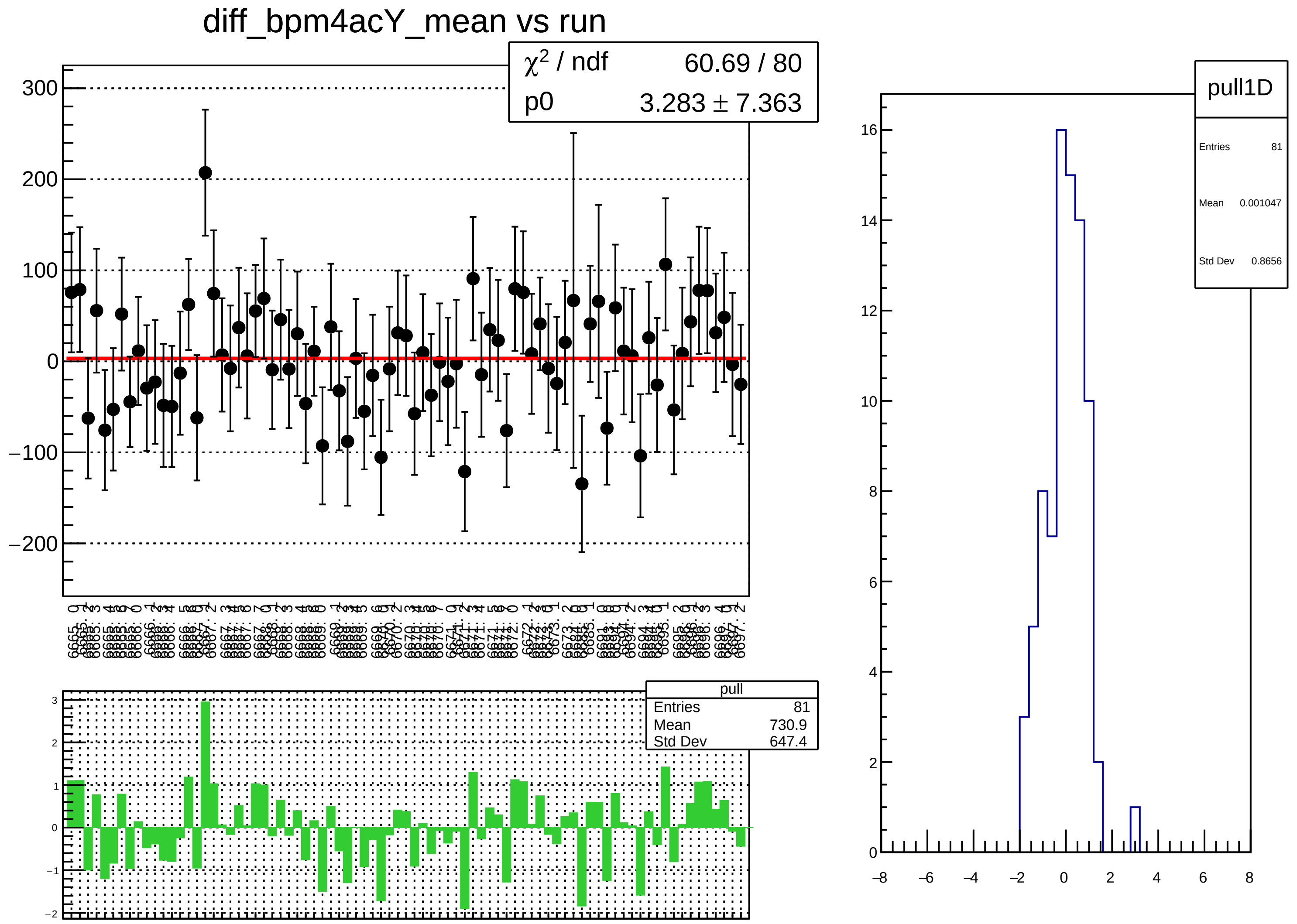


diff_bpm4eY_mean vs run
χ^2 / ndf 61.36 / 80
p0 3.219 ± 6.578
pull
Entries 81
Mean 201.3
Std Dev 134
pull1D
Entries 81
Mean 0.008309
Std Dev 0.8703

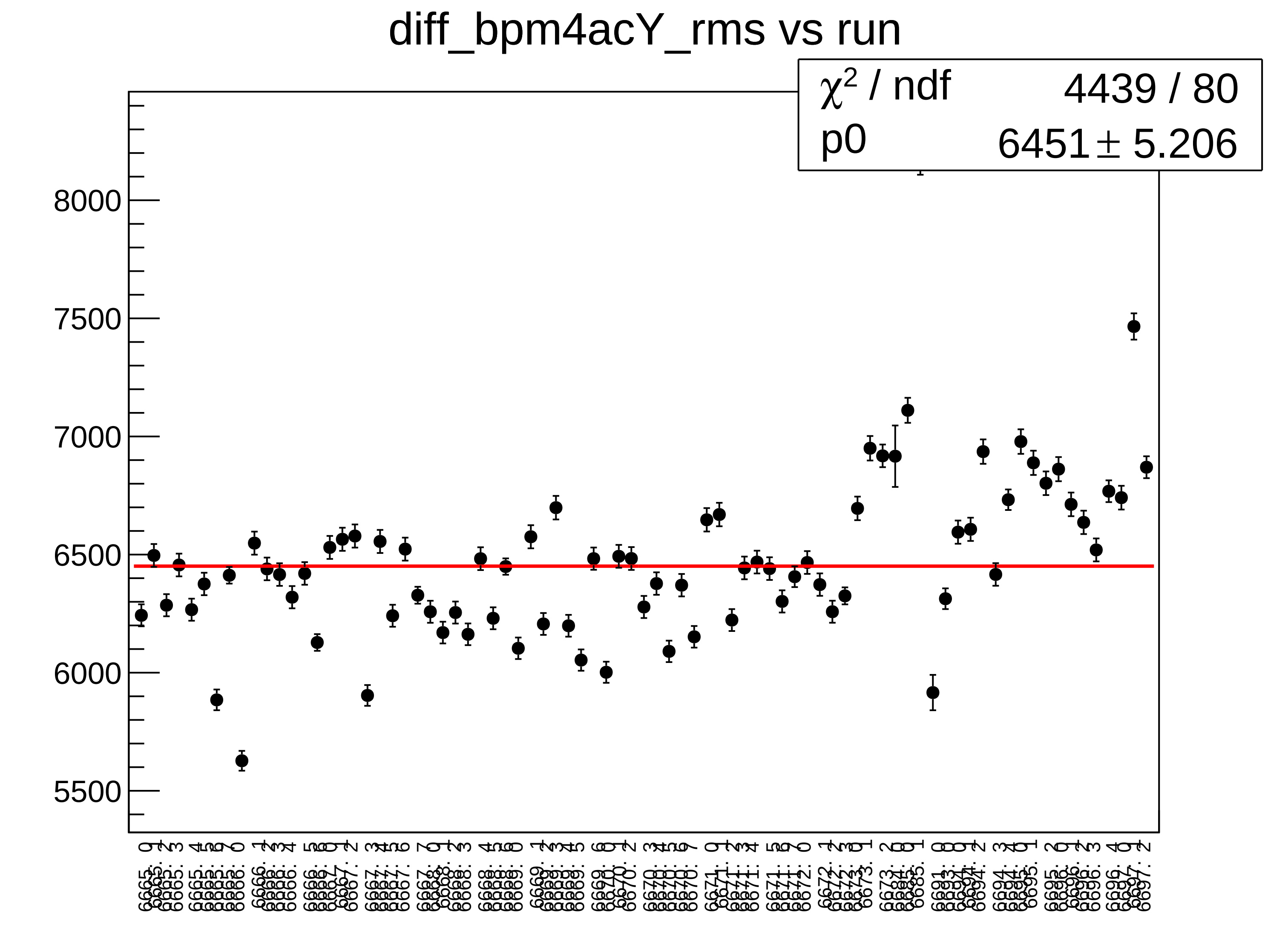

diff_bpm4eY_rms vs run
χ² / ndf 1.445e+04 / 80
p0 5744 ± 4.651
7500
7000
6500
6000
5500
5000

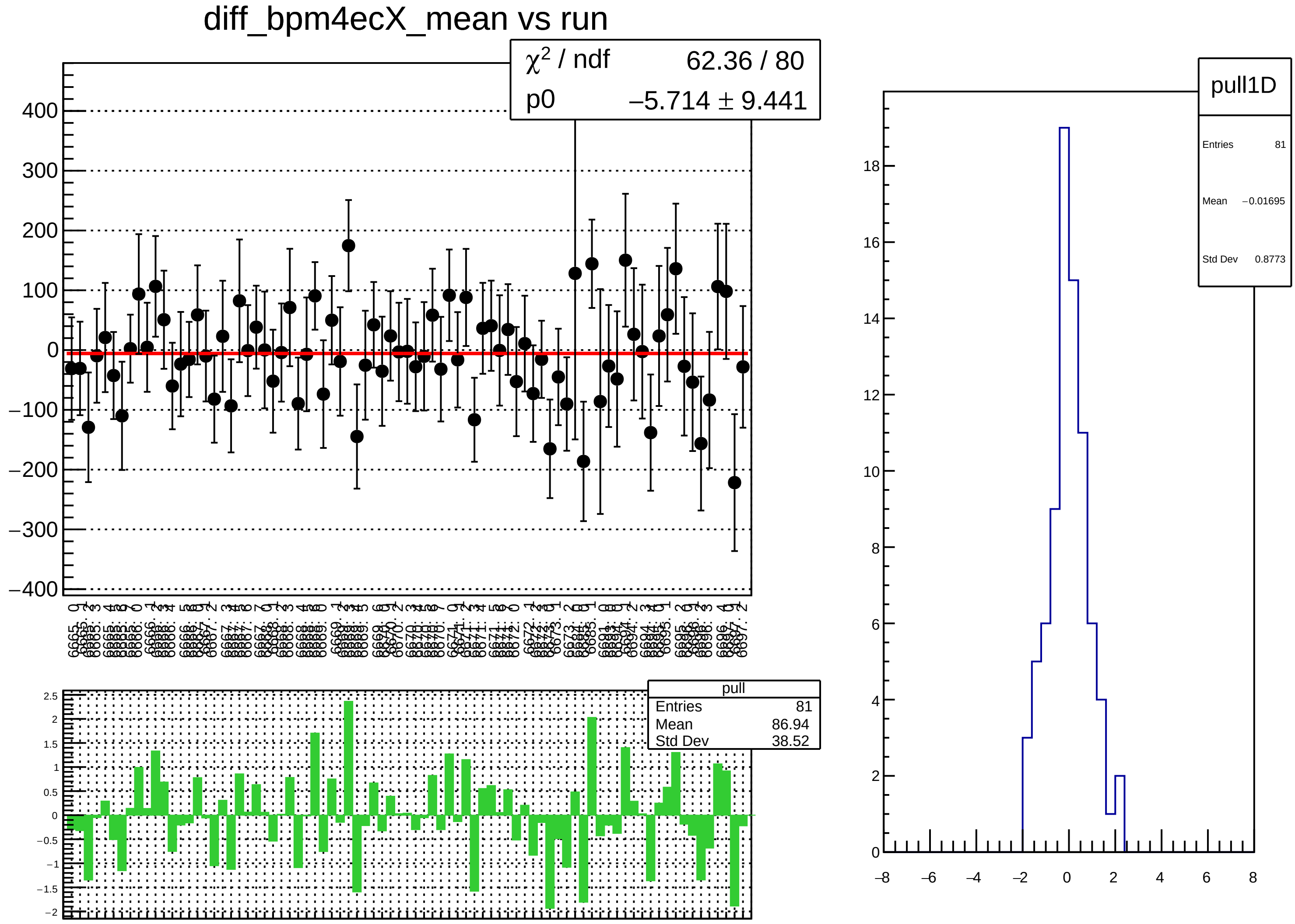

diff_bpm4acX_mean vs run
χ^2 / ndf 61.7 / 80
p0 −6.325 ± 9.99
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 81
Mean 56.53
Std Dev 63.45
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.01535
Std Dev 0.8726
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4acX_rms vs run
χ^2 / ndf 2.409e+04 / 80
p0 8697 ± 7.064
11000
10000
9000
8000
7000

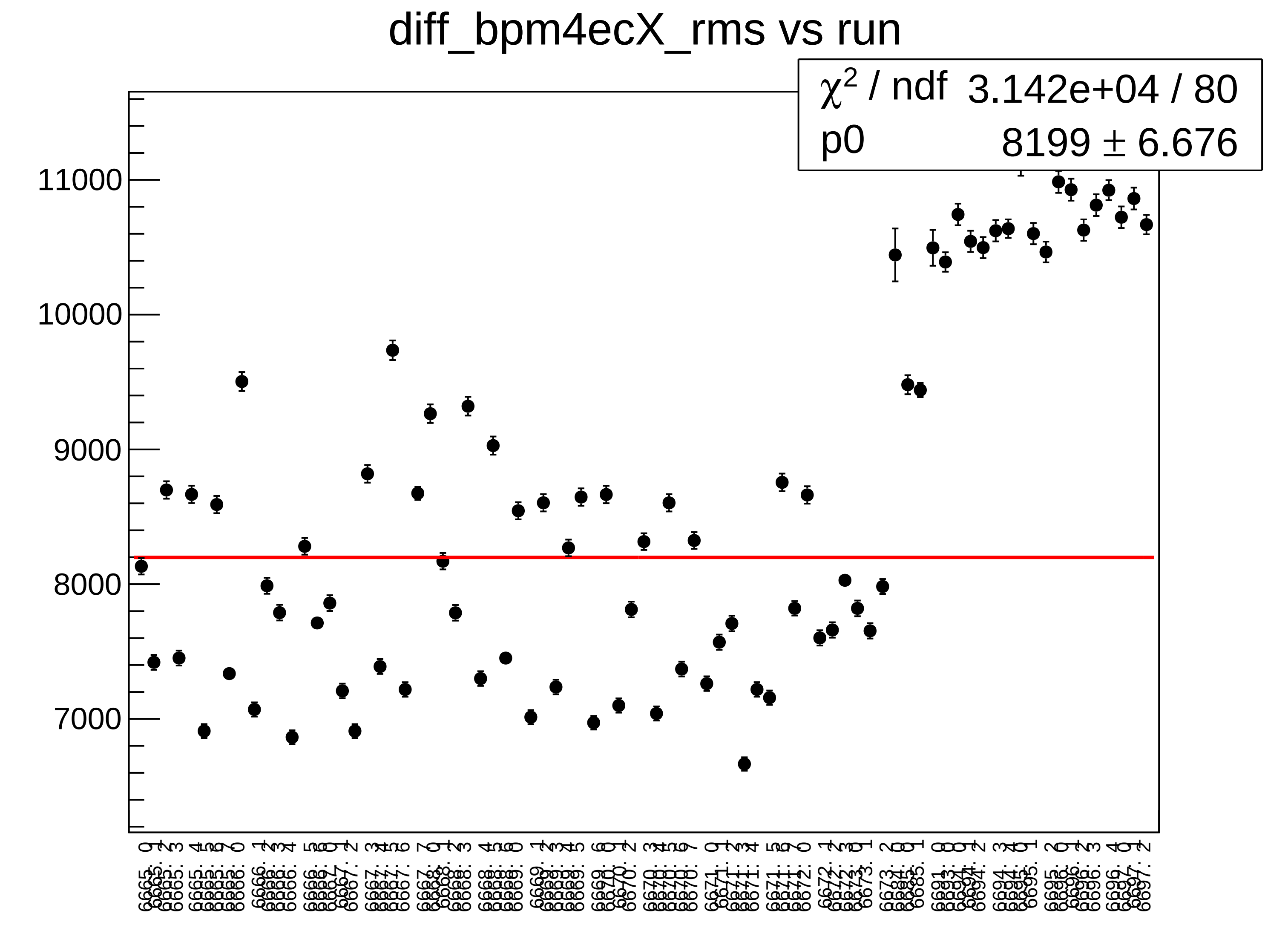


diff_bpm4acY_mean vs run
χ^2 / ndf 60.69 / 80
p0 3.283 ± 7.363
pull
Entries 81
Mean 730.9
Std Dev 647.4
pull1D
Entries 81
Mean 0.001047
Std Dev 0.8656

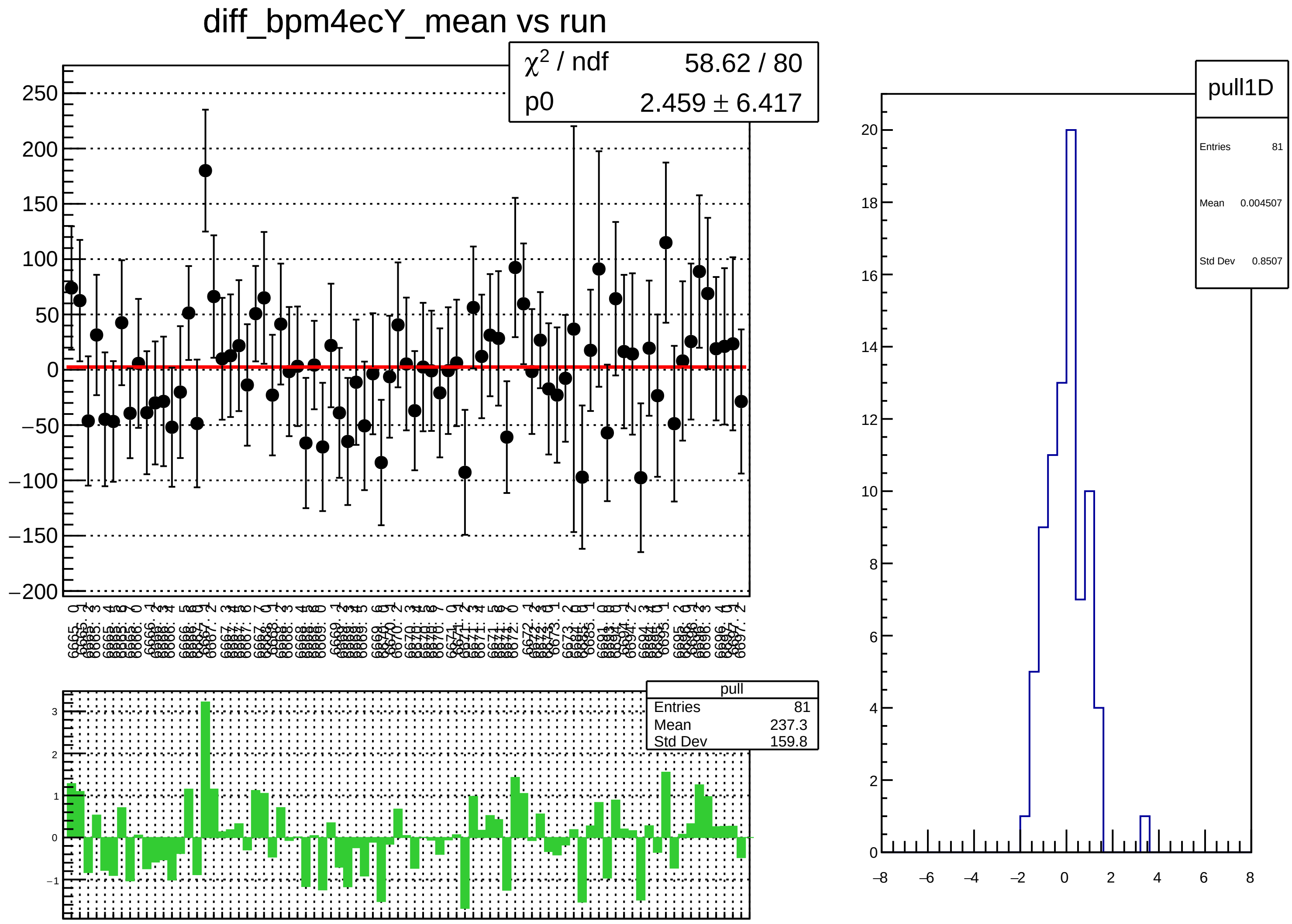

diff_bpm4acY_rms vs run
χ2 / ndf 4439 / 80
p0 6451 ± 5.206
8000
7500
7000
6500
6000
5500

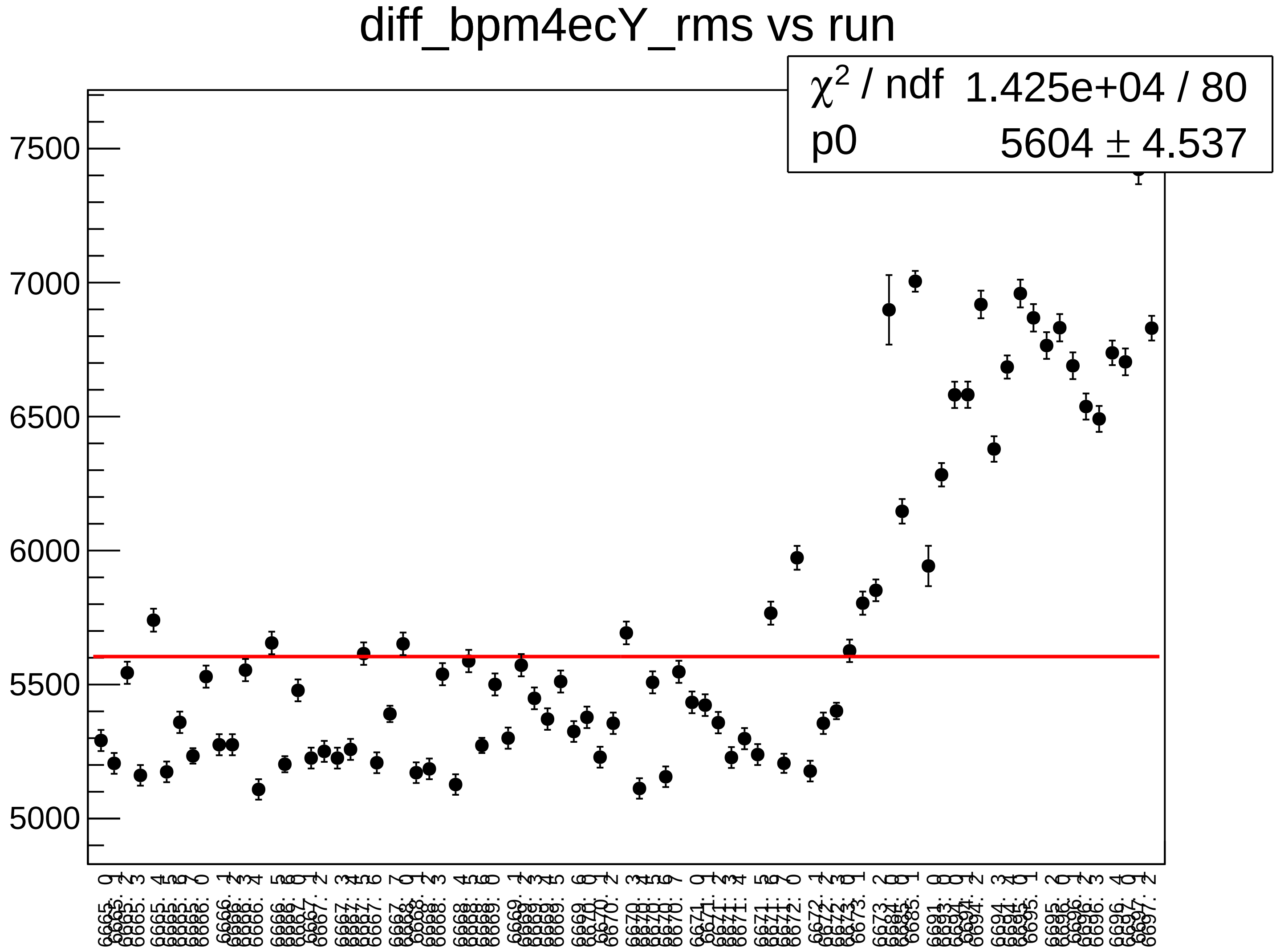


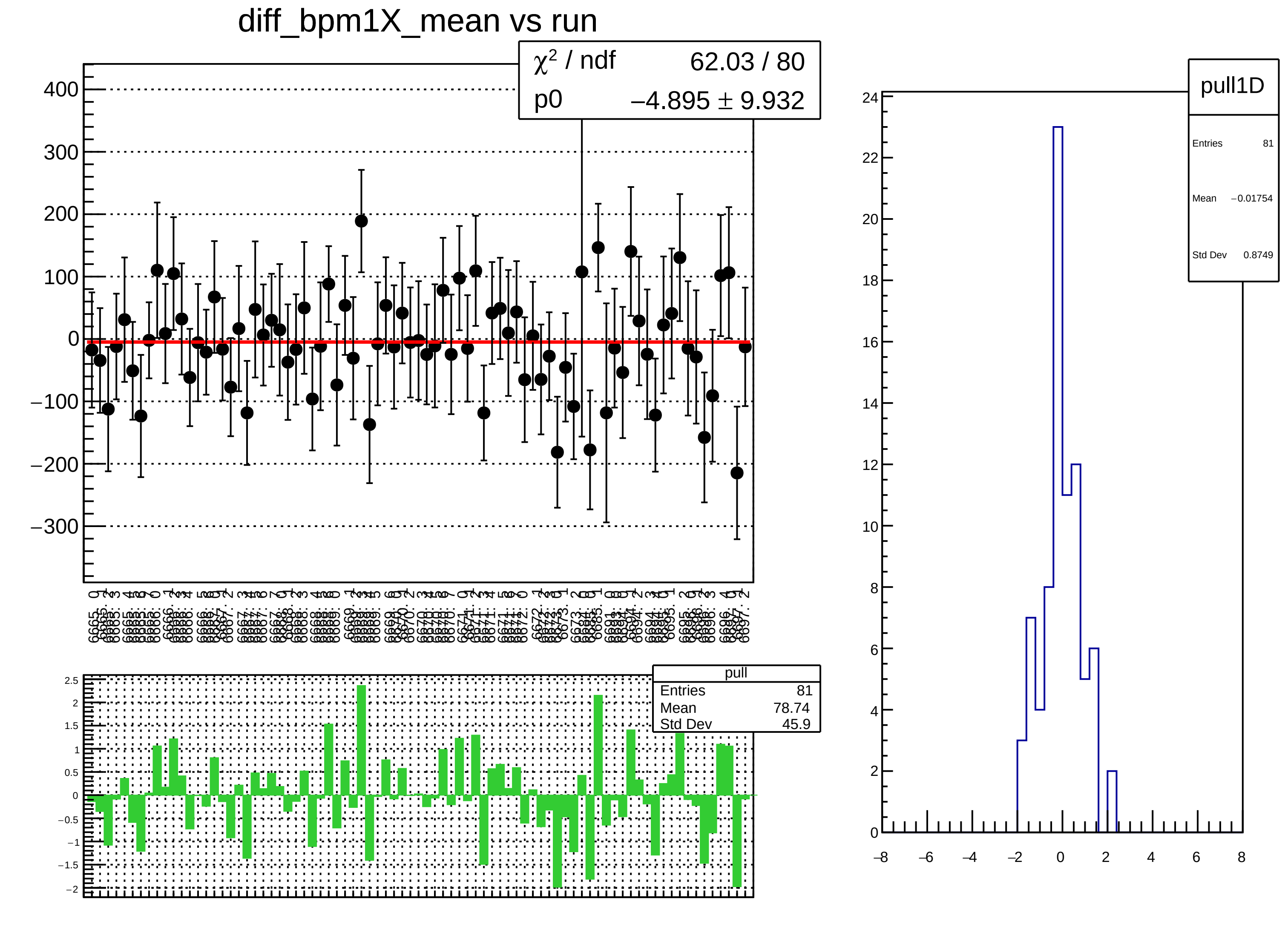
diff_bpm4ecX_mean vs run
χ^2 / ndf 62.36 / 80
p0 −5.714 ± 9.441
pull
Entries 81
Mean 86.94
Std Dev 38.52
pull1D
Entries 81
Mean −0.01695
Std Dev 0.8773

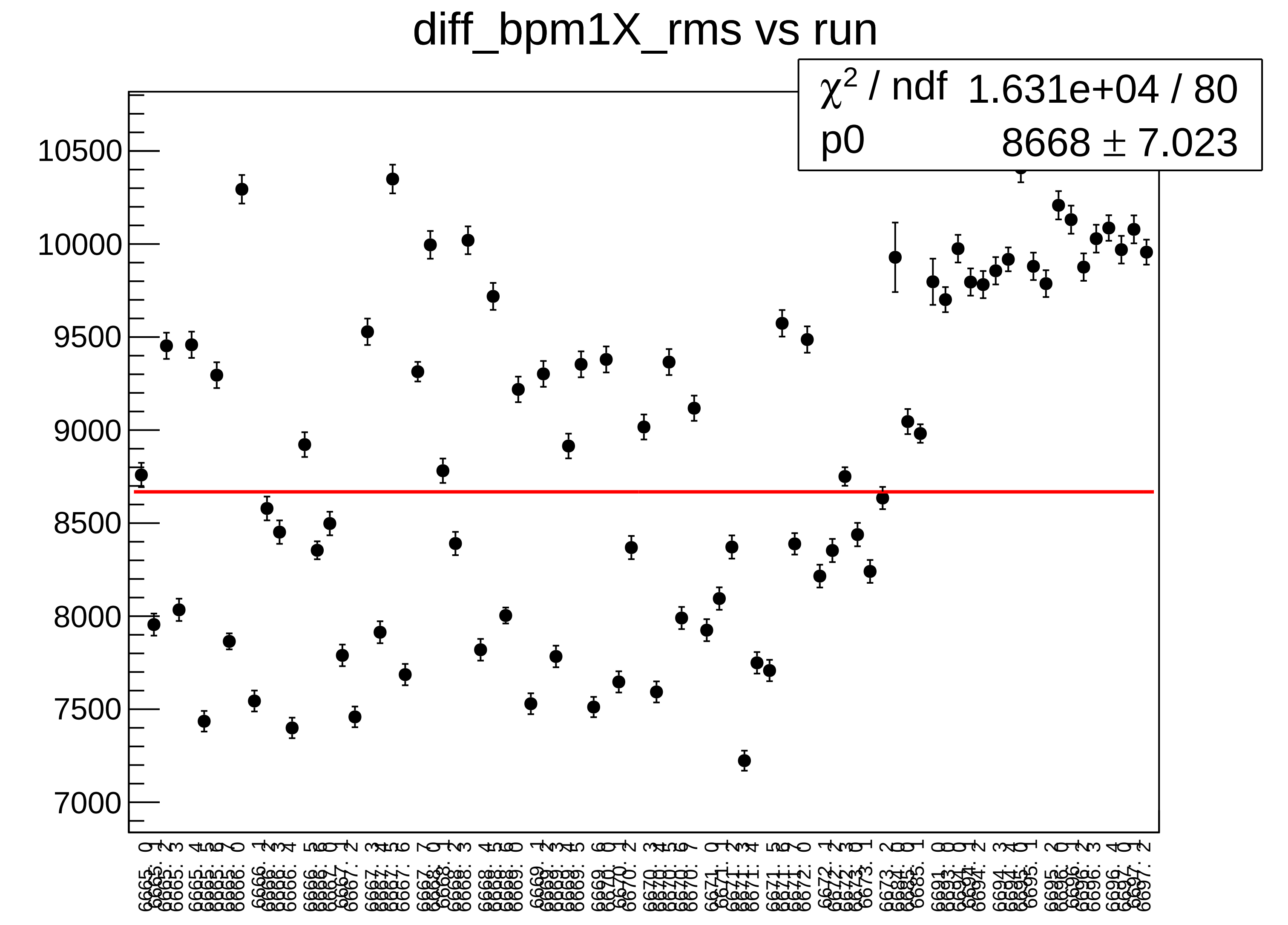


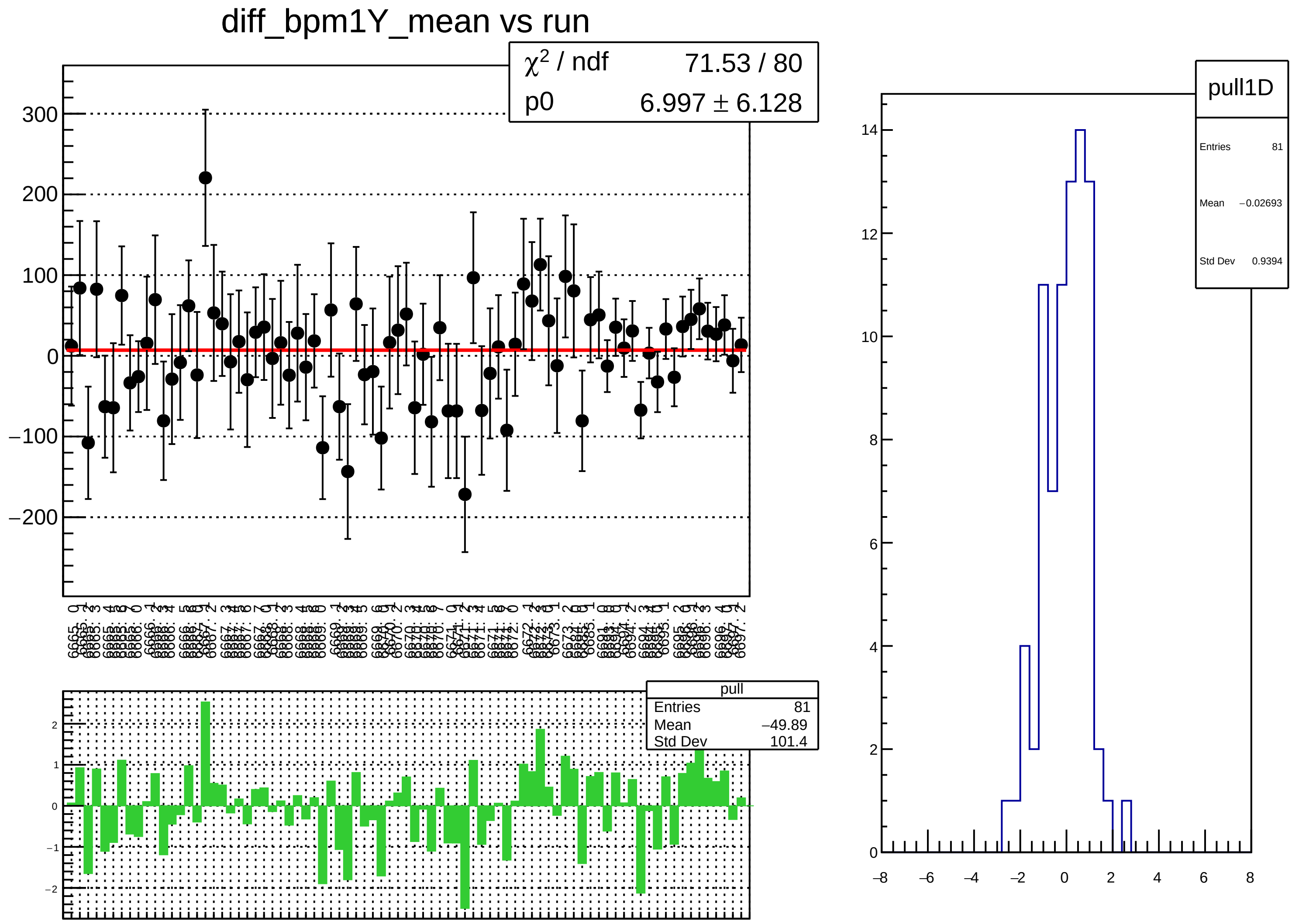
diff_bpm4ecX_rms vs run
χ^2 / ndf 3.142e+04 / 80
p0 8199 ± 6.676
11000
10000
9000
8000
7000


diff_bpm4ecY_mean vs run
χ2 / ndf 58.62 / 80
p0 2.459 ± 6.417
pull
Entries 81
Mean 237.3
Std Dev 159.8
pull1D
Entries 81
Mean 0.004507
Std Dev 0.8507

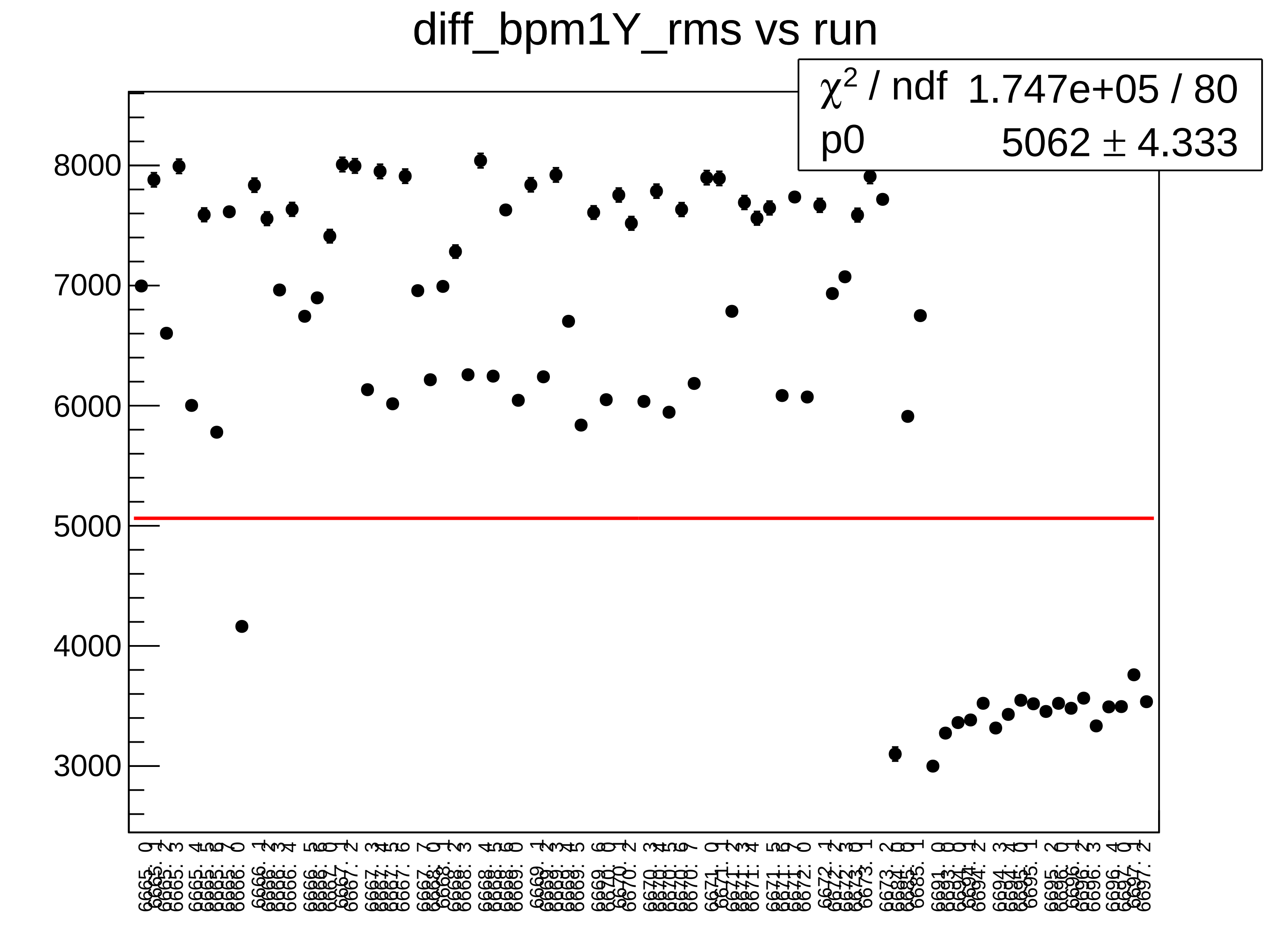

diff_bpm4ecY_rms vs run
χ^2 / ndf 1.425e+04 / 80
p0 5604 ± 4.537
7500
7000
6500
6000
5500
5000


diff_bpm1X_mean vs run
χ2 / ndf 62.03 / 80
p0 −4.895 ± 9.932
pull
Entries 81
Mean 78.74
Std Dev 45.9
pull1D
Entries 81
Mean −0.01754
Std Dev 0.8749

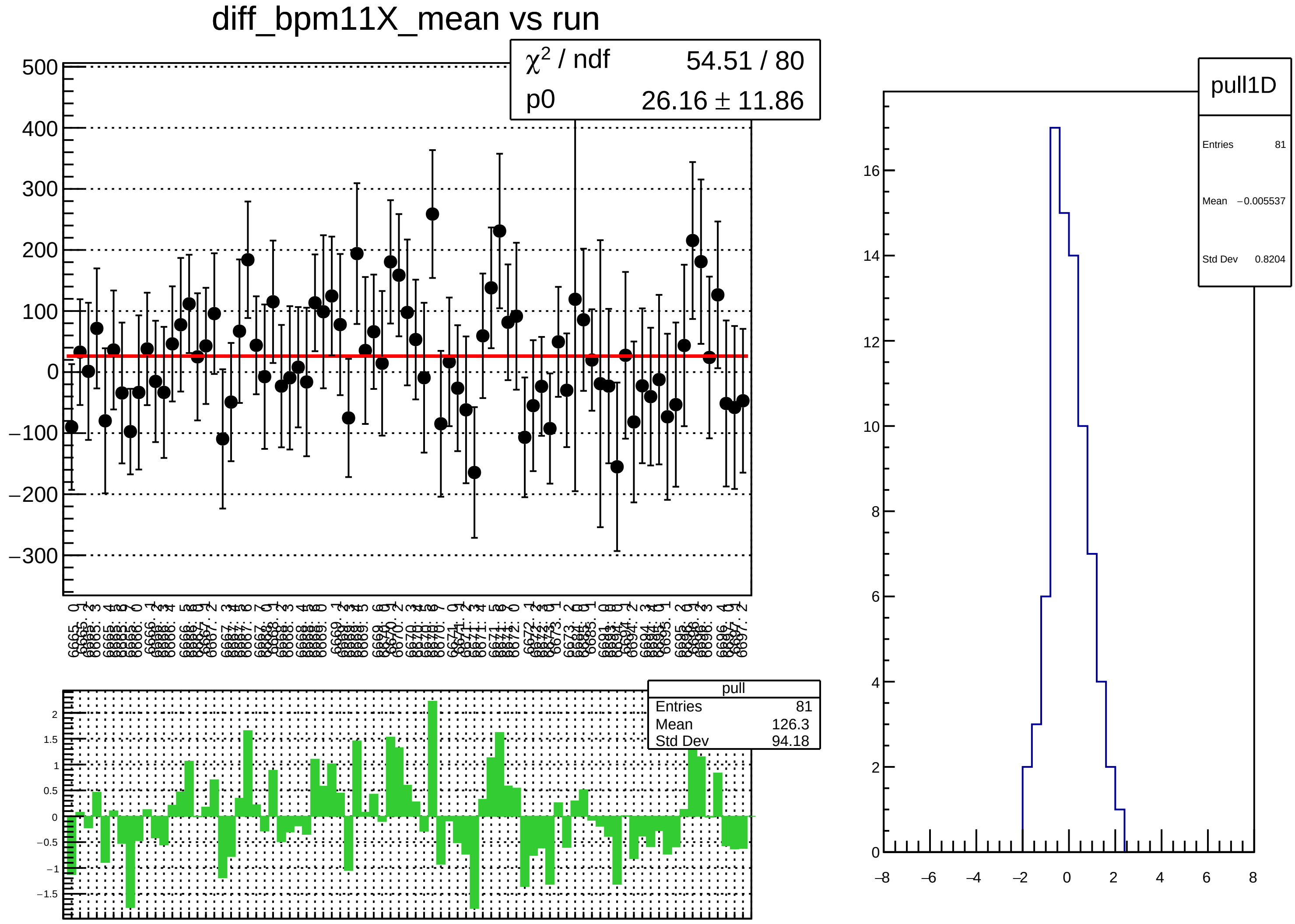

diff_bpm1X_rms vs run
χ^2 / ndf 1.631e+04 / 80
p0 8668 ± 7.023
10500
10000
9500
9000
8500
8000
7500
7000



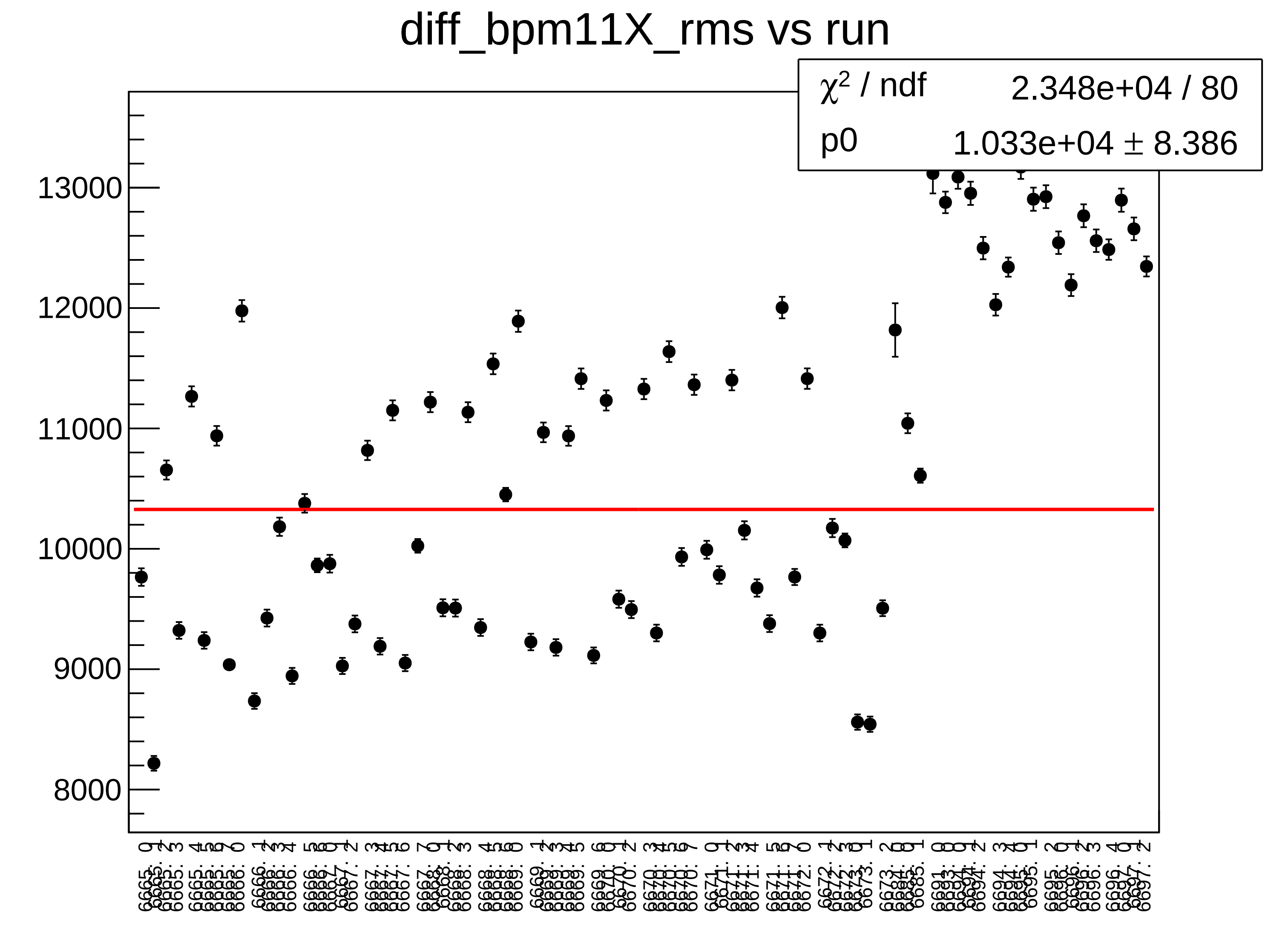
diff_bpm1Y_mean vs run
χ^2 / ndf 71.53 / 80
p0 6.997 ± 6.128
pull
Entries 81
Mean −49.89
Std Dev 101.4
pull1D
Entries 81
Mean −0.02693
Std Dev 0.9394



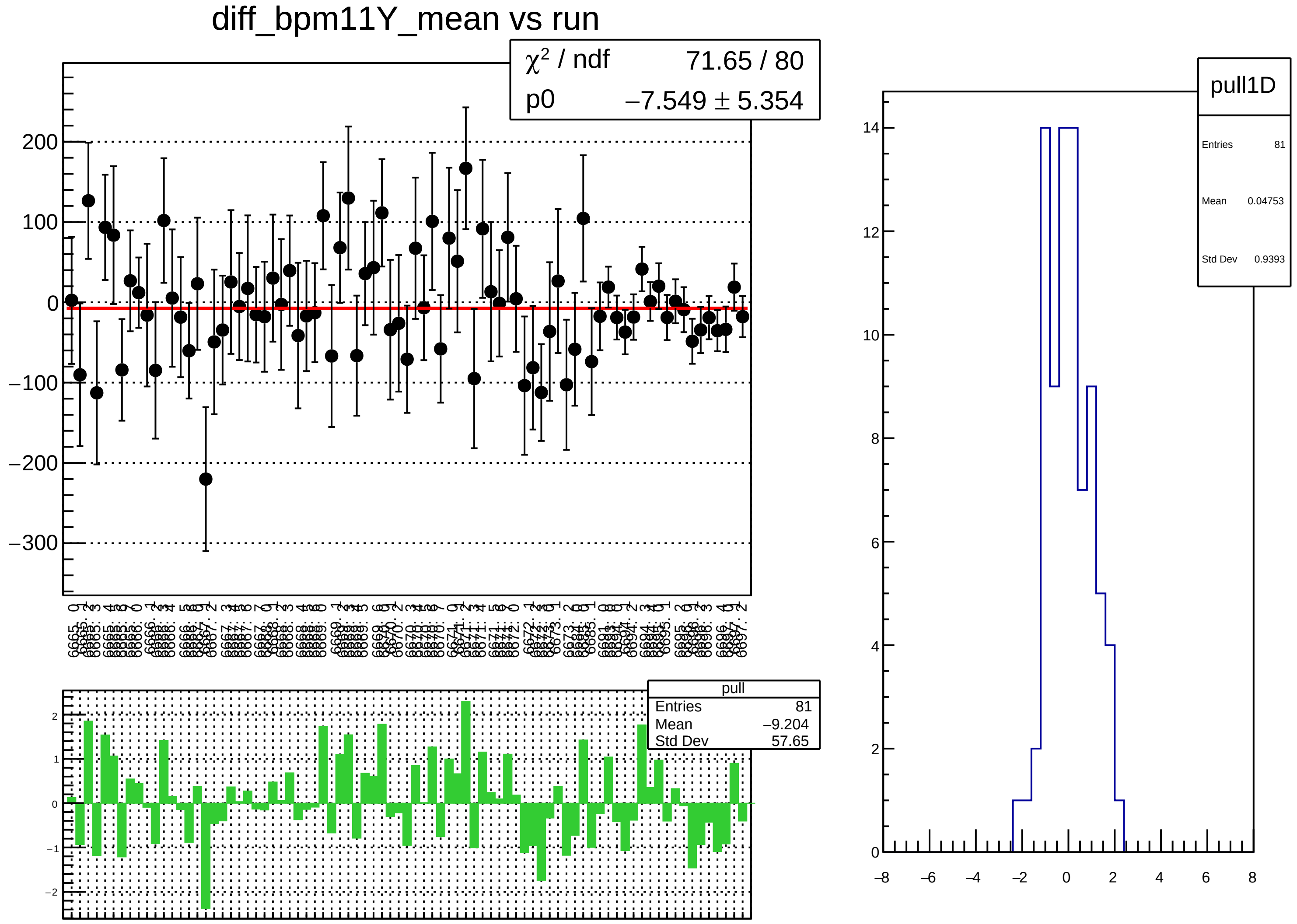
diff_bpm1Y_rms vs run
χ2 / ndf 1.747e+05 / 80
p0 5062 ± 4.333
8000
7000
6000
5000
4000
3000

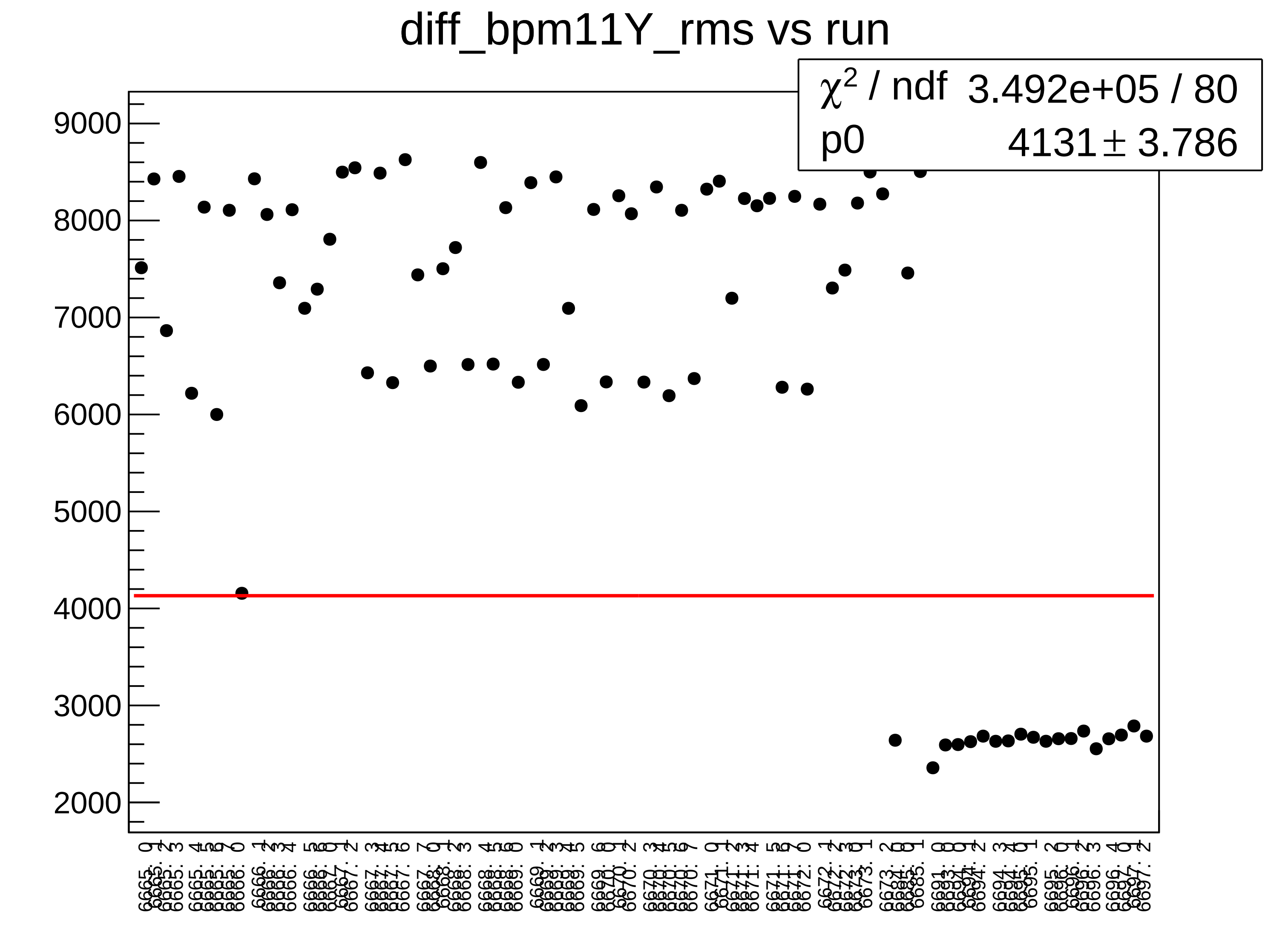


diff_bpm11X_mean vs run
χ^2 / ndf 54.51 / 80
p0 26.16 ± 11.86
pull
Entries 81
Mean 126.3
Std Dev 94.18
pull1D
Entries 81
Mean −0.005537
Std Dev 0.8204

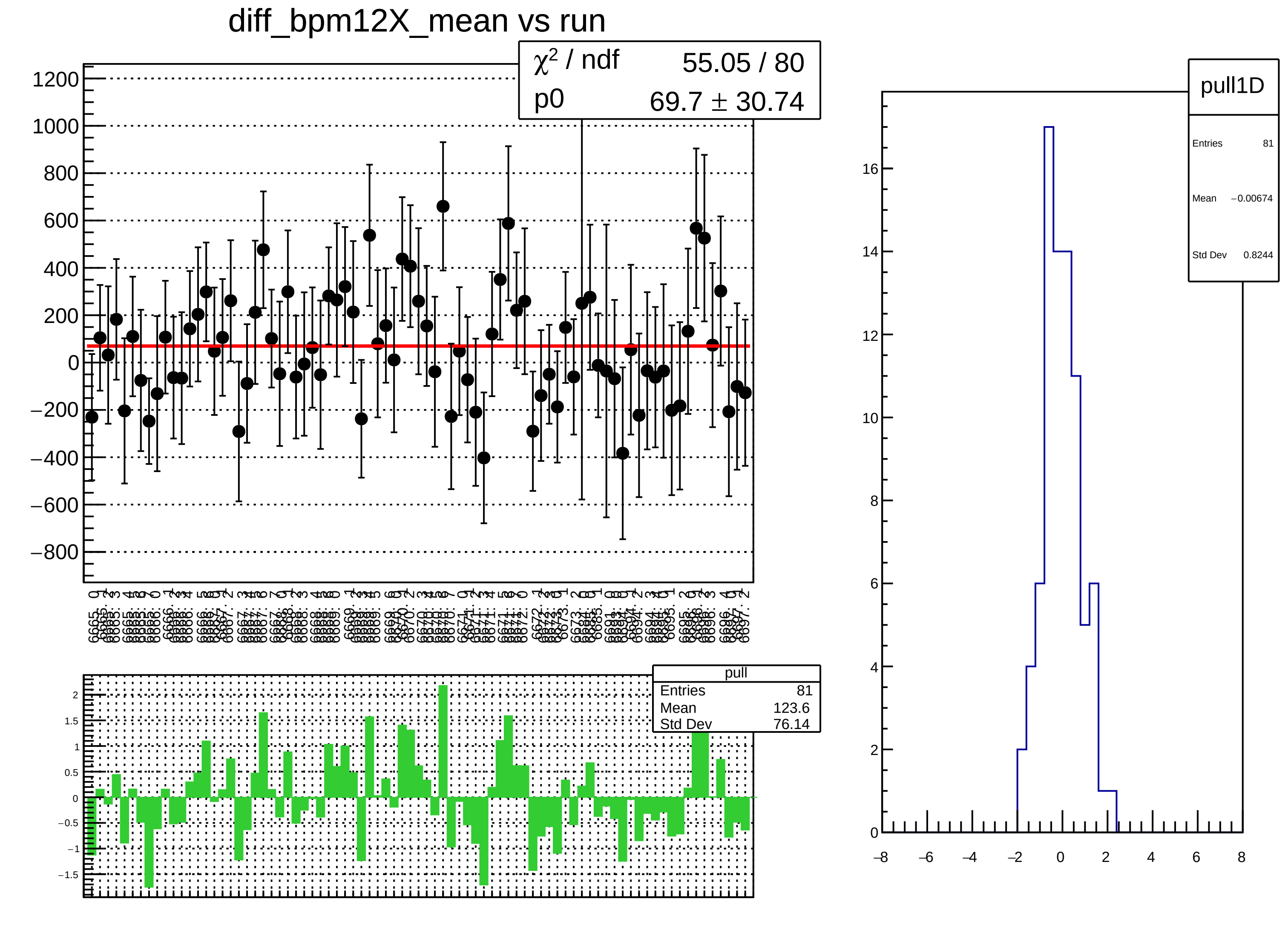


diff_bpm11X_rms vs run
χ^2 / ndf 2.348e+04 / 80
p0 1.033e+04 ± 8.386
13000
12000
11000
10000
9000
8000

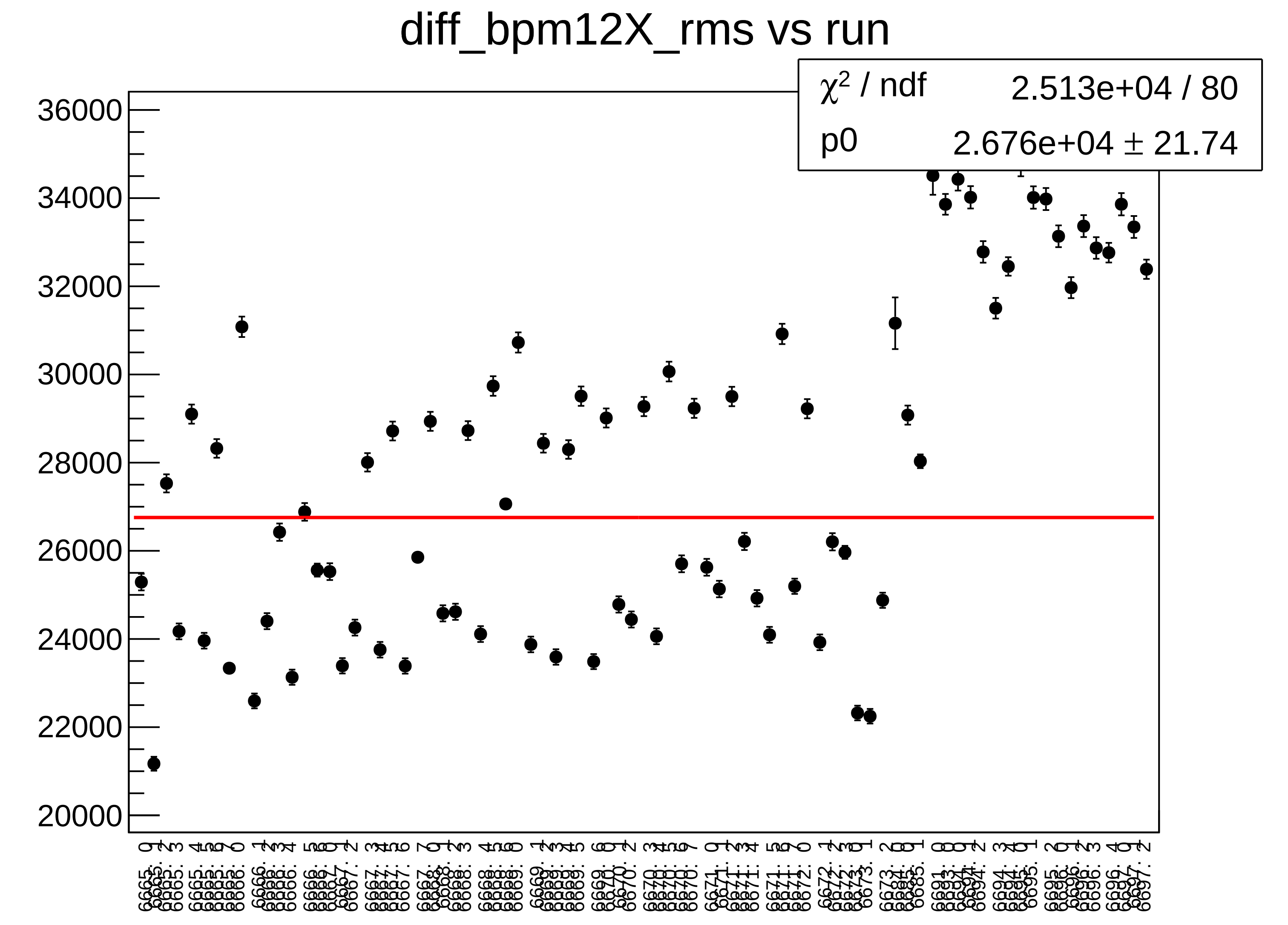

diff_bpm11Y_mean vs run
χ^2 / ndf 71.65 / 80
p0 −7.549 ± 5.354
pull
Entries 81
Mean −9.204
Std Dev 57.65
pull1D
Entries 81
Mean 0.04753
Std Dev 0.9393



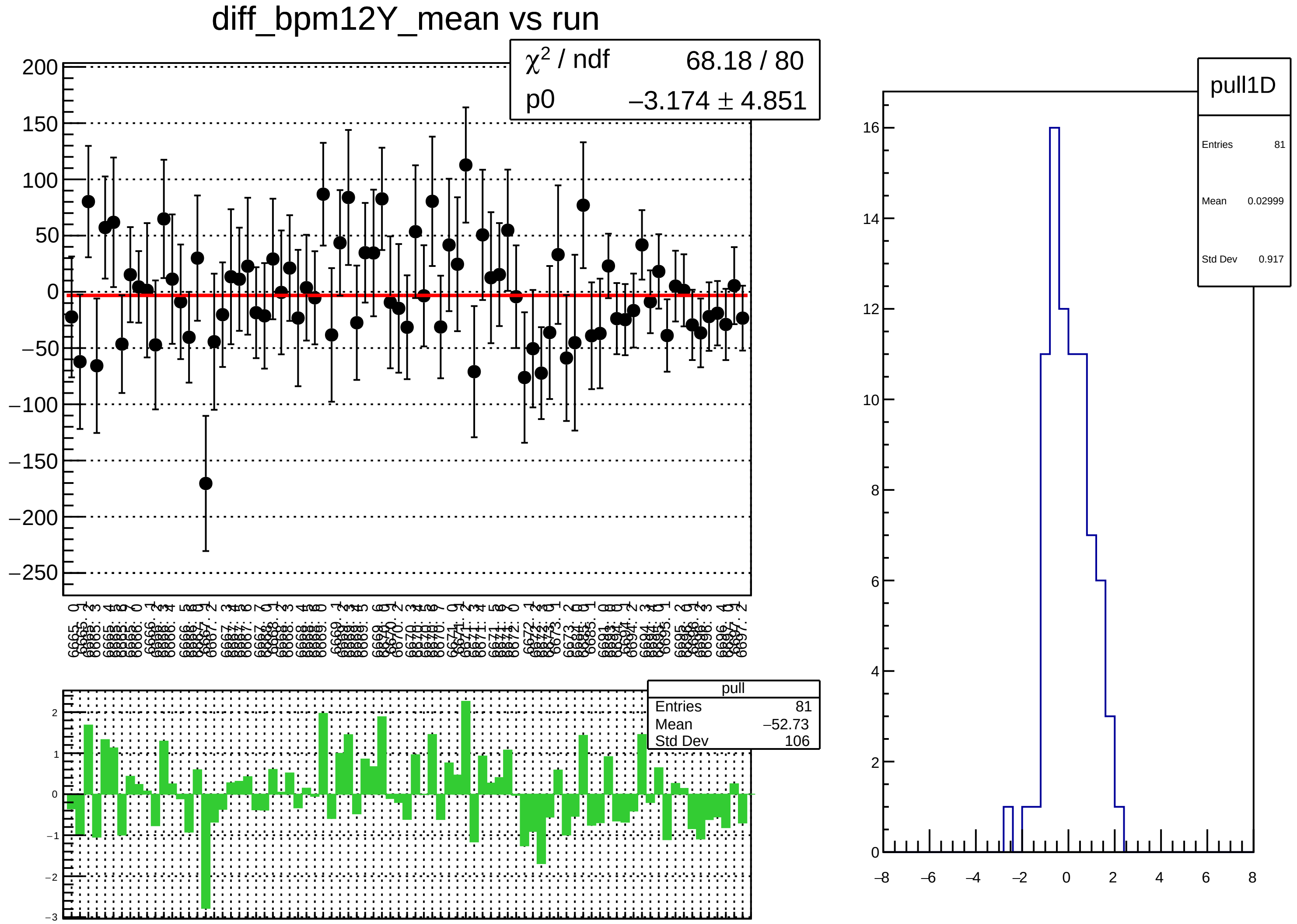
diff_bpm11Y_rms vs run
χ^2 / ndf 3.492e+05 / 80
p0 4131 ± 3.786
9000
8000
7000
6000
5000
4000
3000
2000



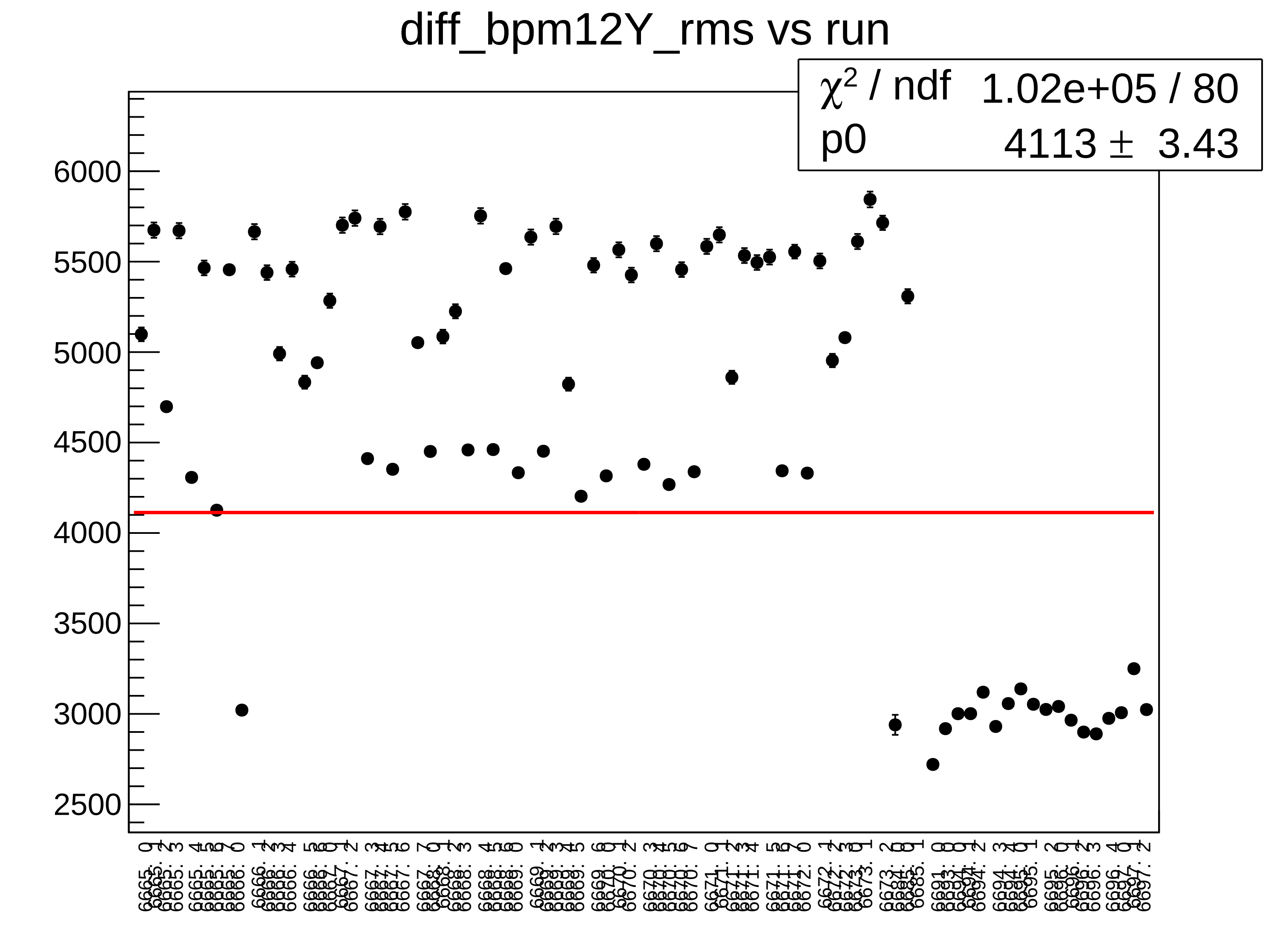
diff_bpm12X_mean vs run
χ2 / ndf 55.05 / 80
p0 69.7 ± 30.74
pull
Entries 81
Mean 123.6
Std Dev 76.14
pull1D
Entries 81
Mean −0.00674
Std Dev 0.8244

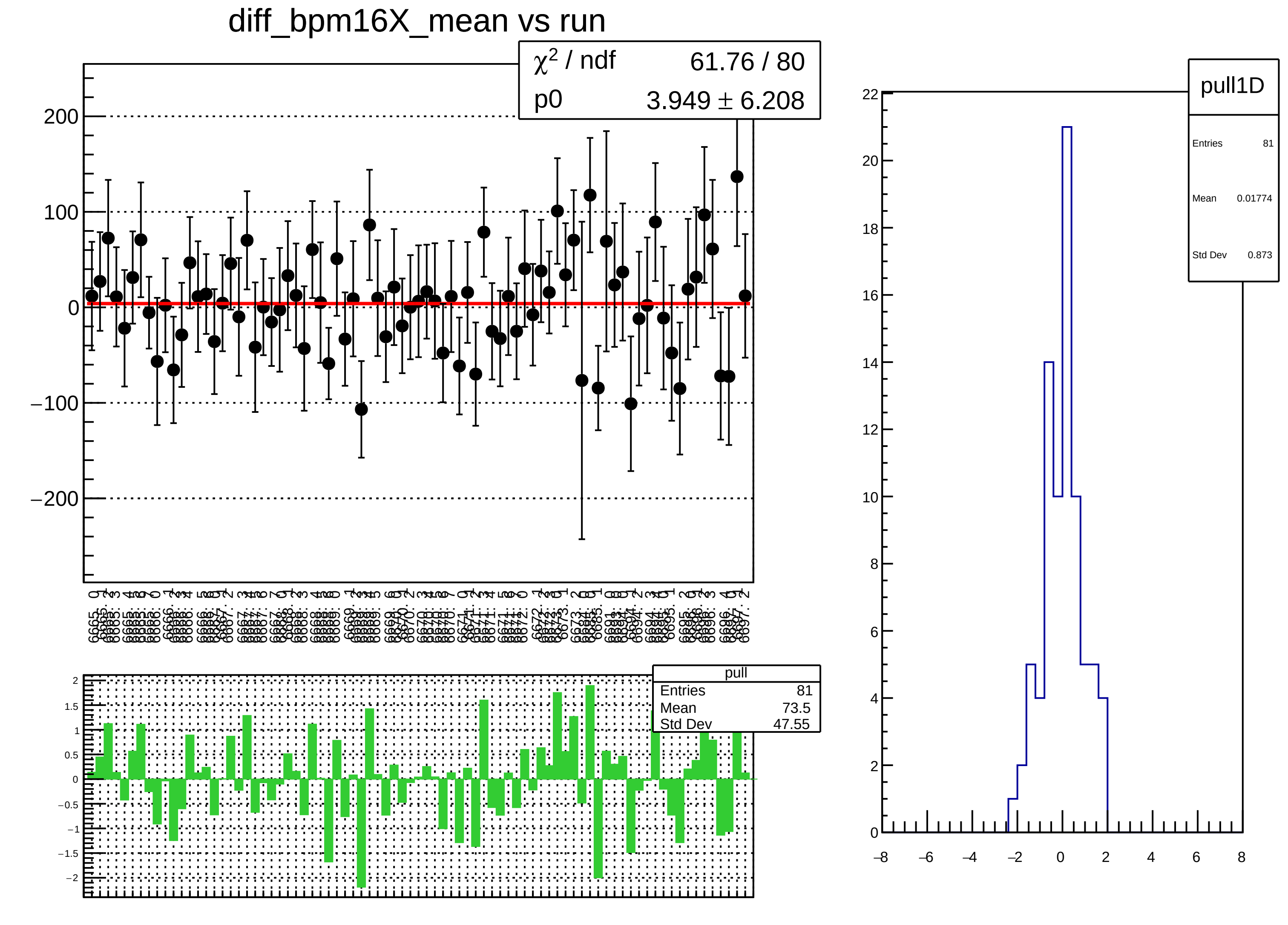


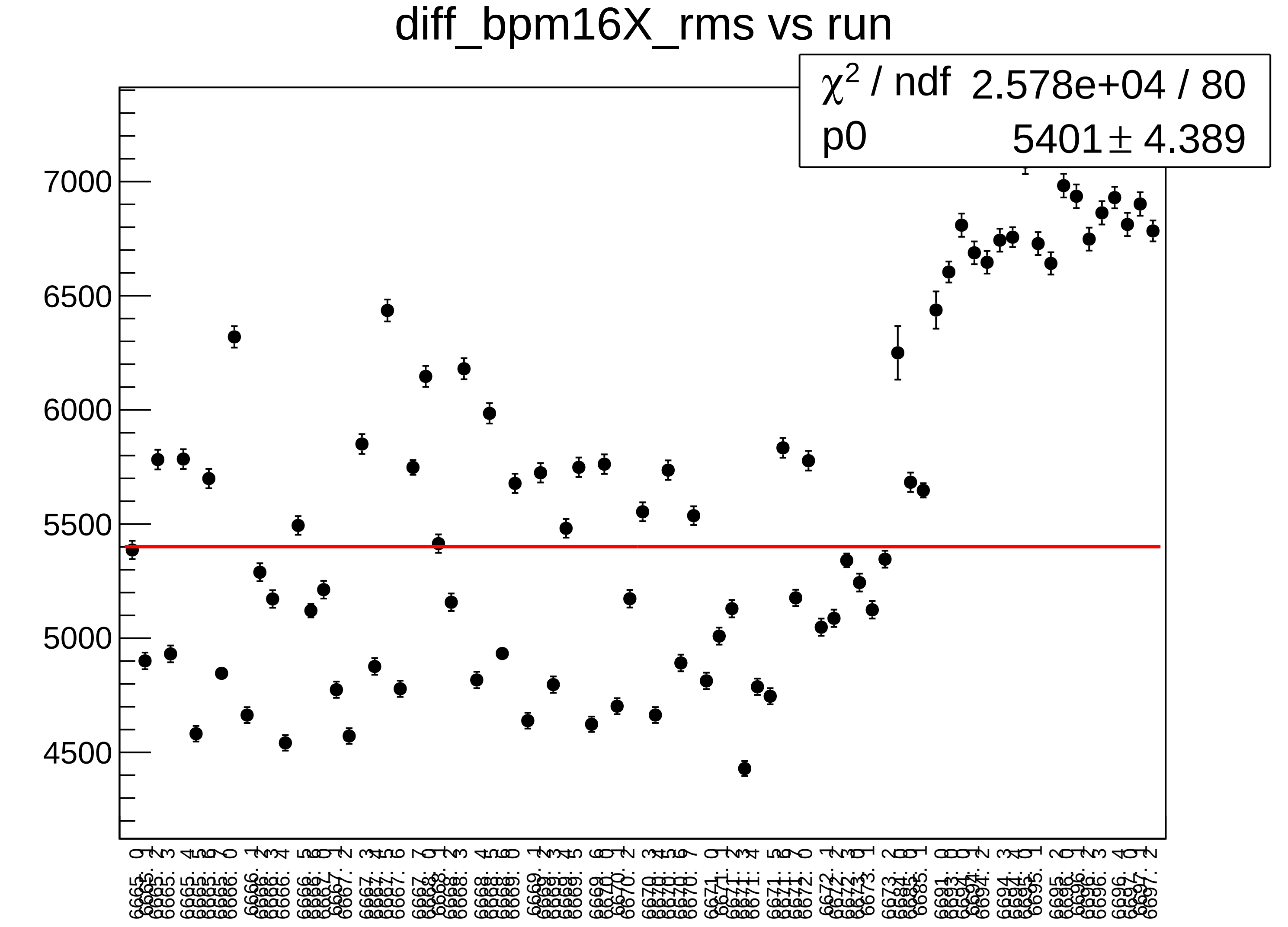
diff_bpm12X_rms vs run
χ^2 / ndf 2.513e+04 / 80
p0 2.676e+04 ± 21.74
36000
34000
32000
30000
28000
26000
24000
22000
20000

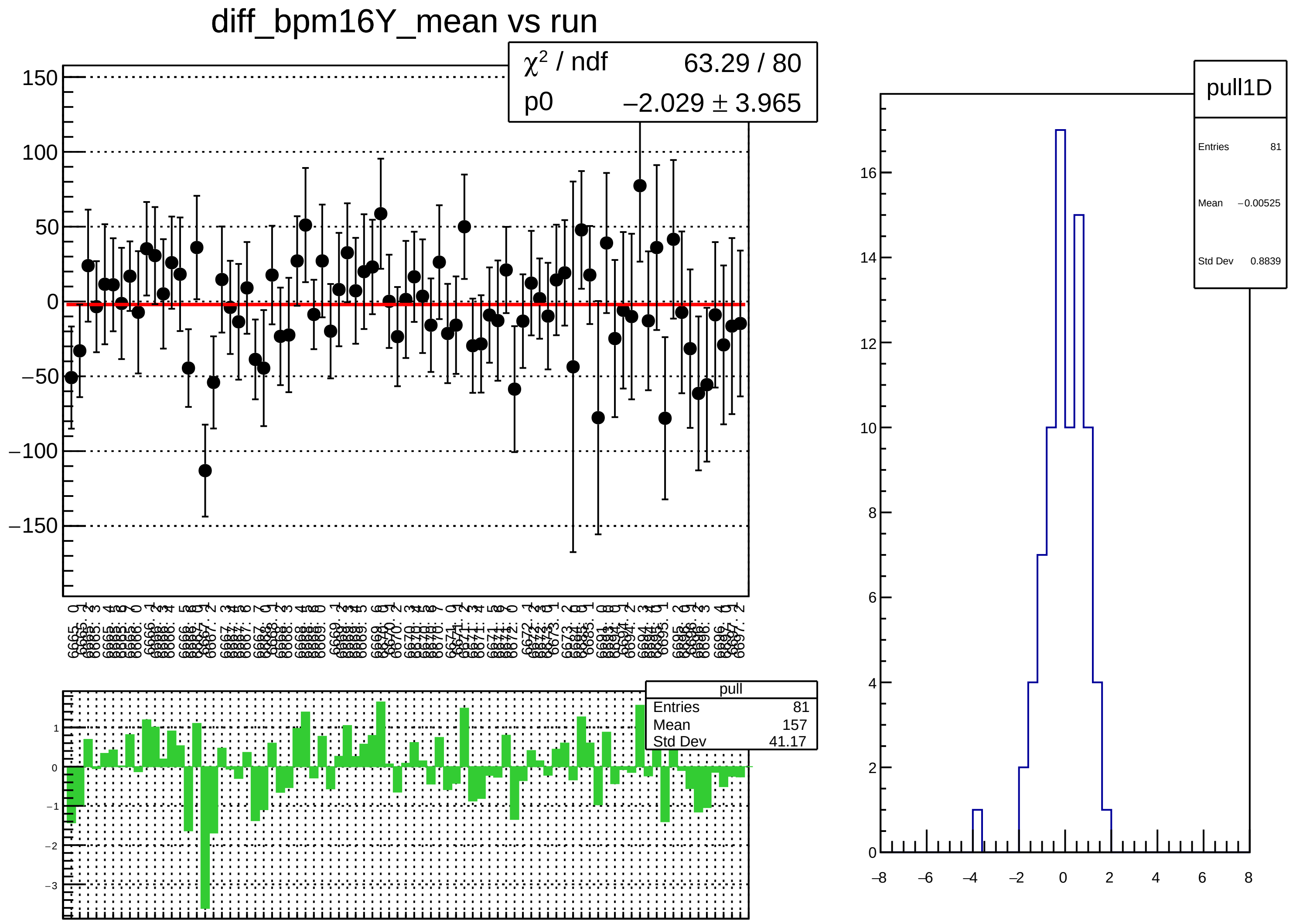


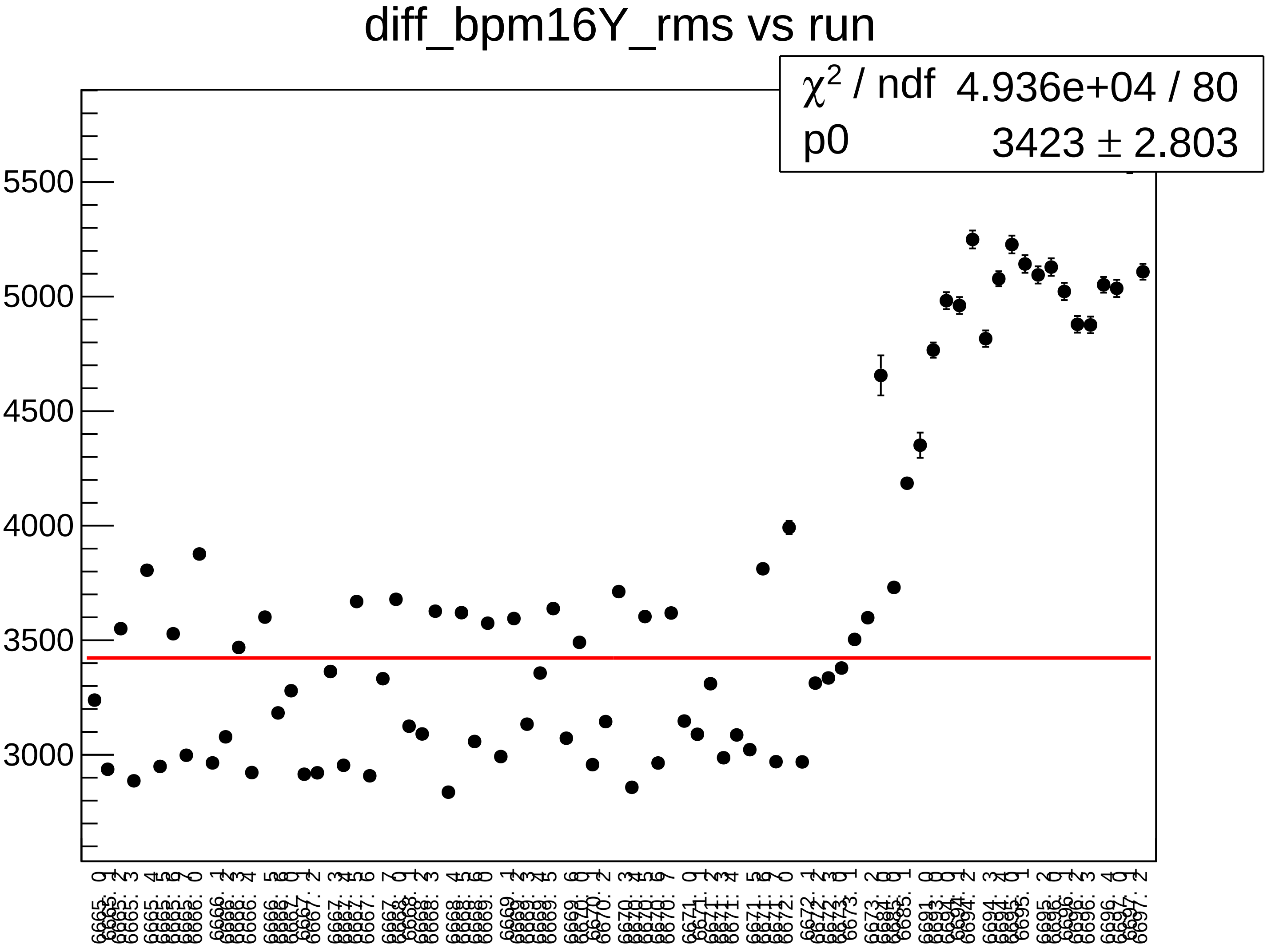
diff_bpm12Y_mean vs run
χ^2 / ndf 68.18 / 80
p0 −3.174 ± 4.851
pull
Entries 81
Mean −52.73
Std Dev 106
pull1D
Entries 81
Mean 0.02999
Std Dev 0.917


diff_bpm12Y_rms vs run
χ2 / ndf 1.02e+05 / 80
p0 4113 ± 3.43
6000
5500
5000
4500
4000
3500
3000
2500

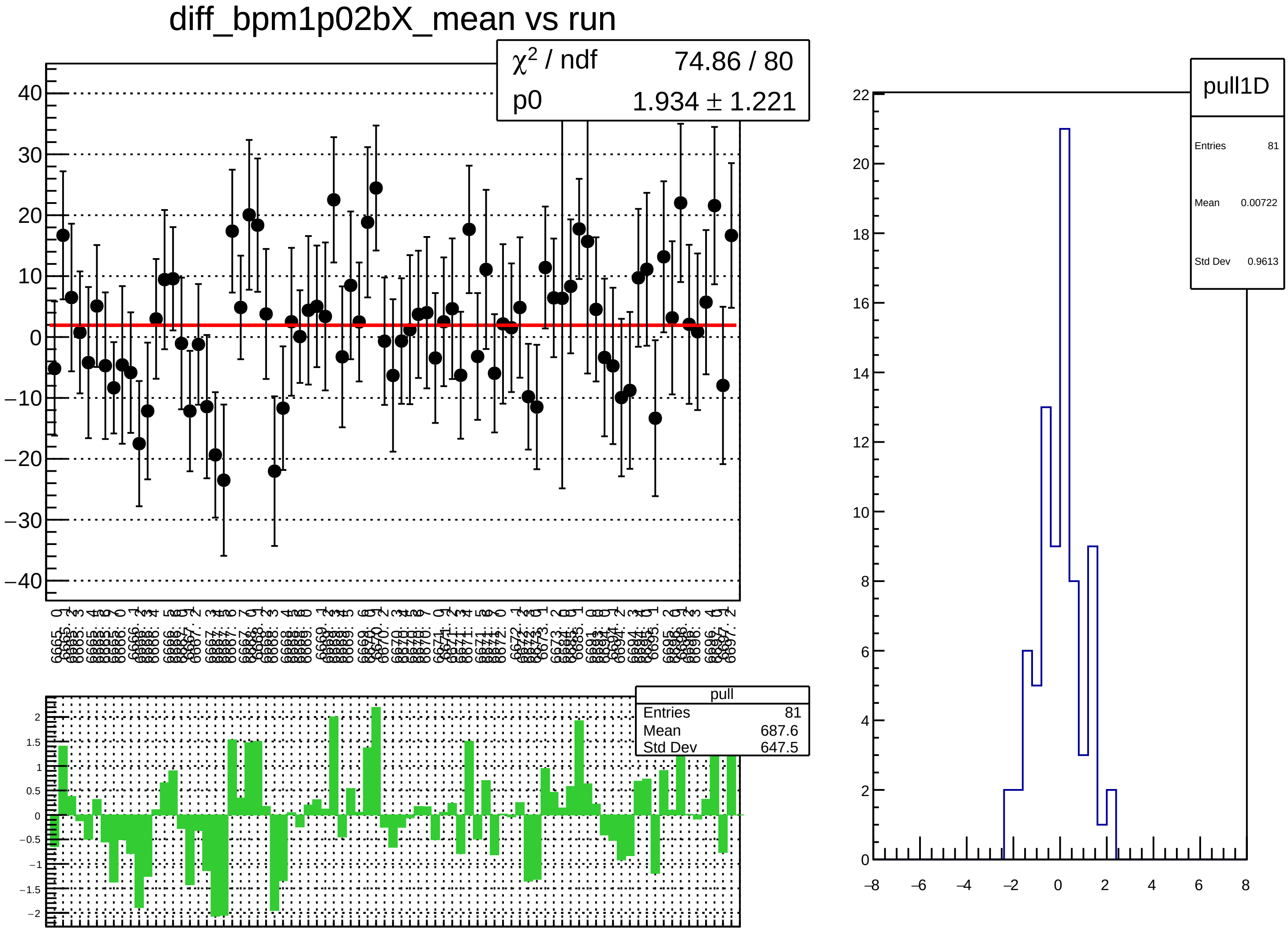

diff_bpm16X_mean vs run
χ2 / ndf 61.76 / 80
p0 3.949 ± 6.208
200
100
0
−100
−200
pull
Entries 81
Mean 73.5
Std Dev 47.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.01774
Std Dev 0.873
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

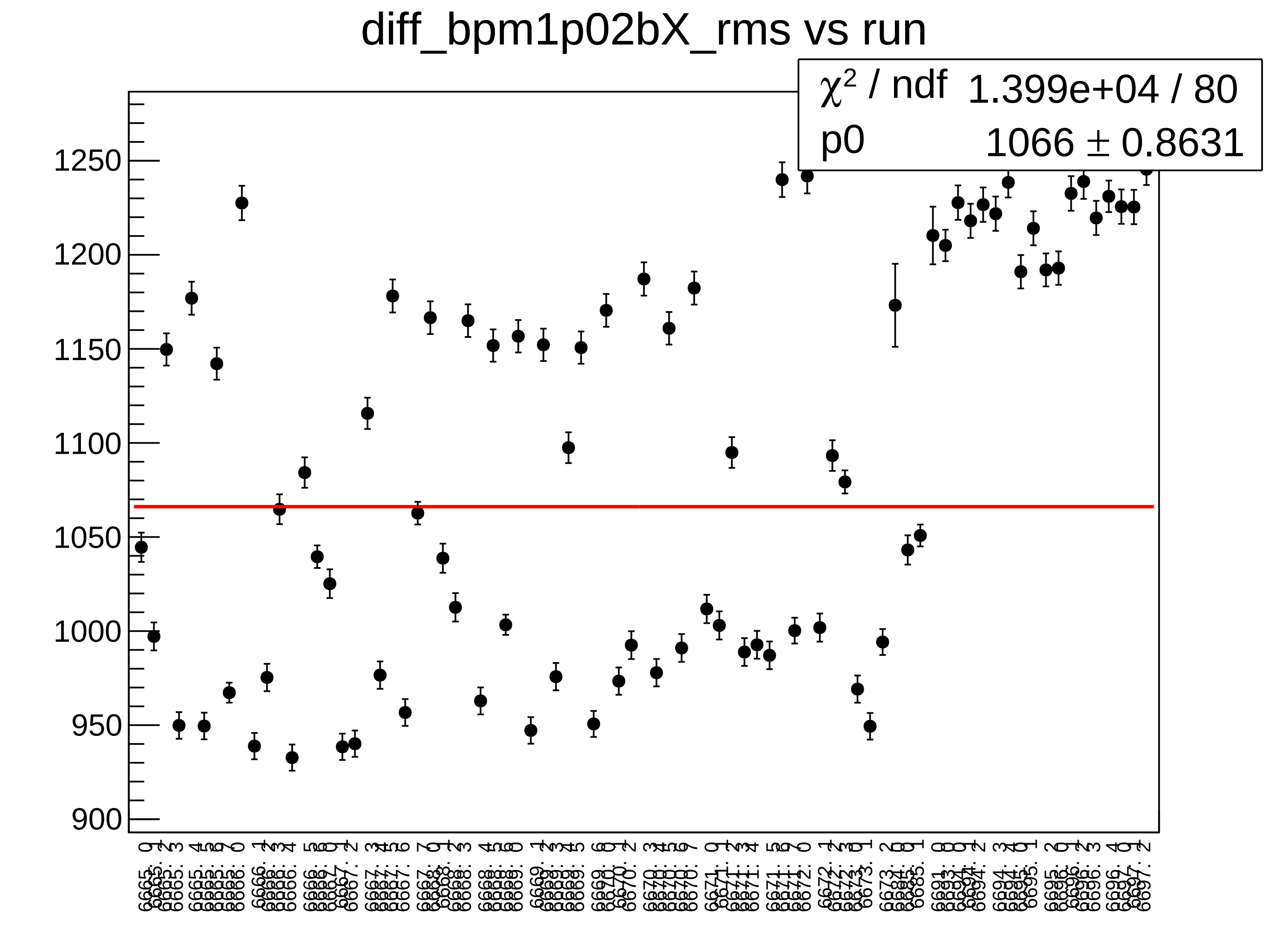

diff_bpm16X_rms vs run
χ2 / ndf 2.578e+04 / 80
p0 5401 ± 4.389
7000
6500
6000
5500
5000
4500


diff_bpm16Y_mean vs run
χ^2 / ndf 63.29 / 80
p0 −2.029 ± 3.965
pull
Entries 81
Mean 157
Std Dev 41.17
pull1D
Entries 81
Mean −0.00525
Std Dev 0.8839

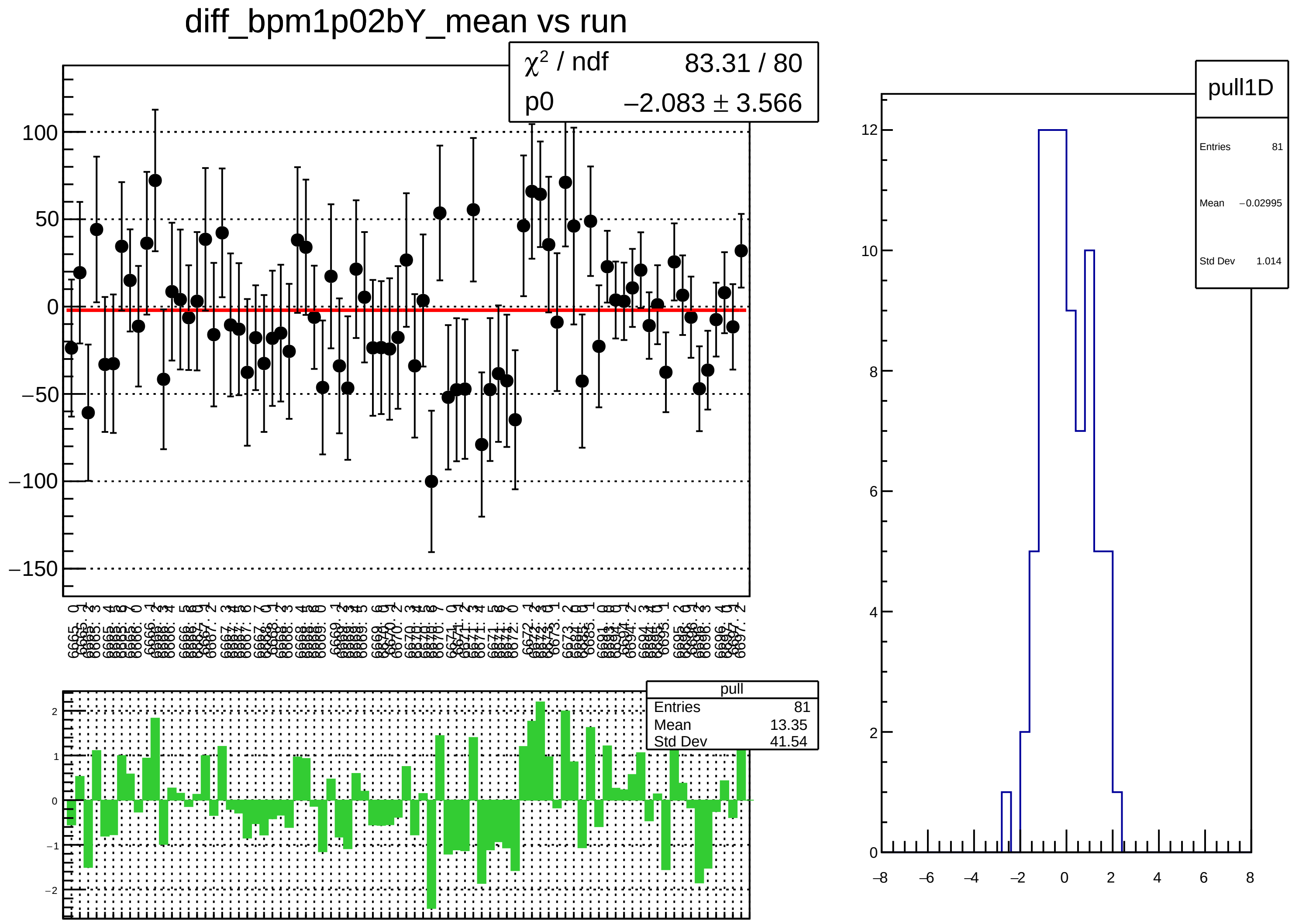


diff_bpm16Y_rms vs run
χ^2 / ndf 4.936e+04 / 80
p0 3423 ± 2.803
5500
5000
4500
4000
3500
3000

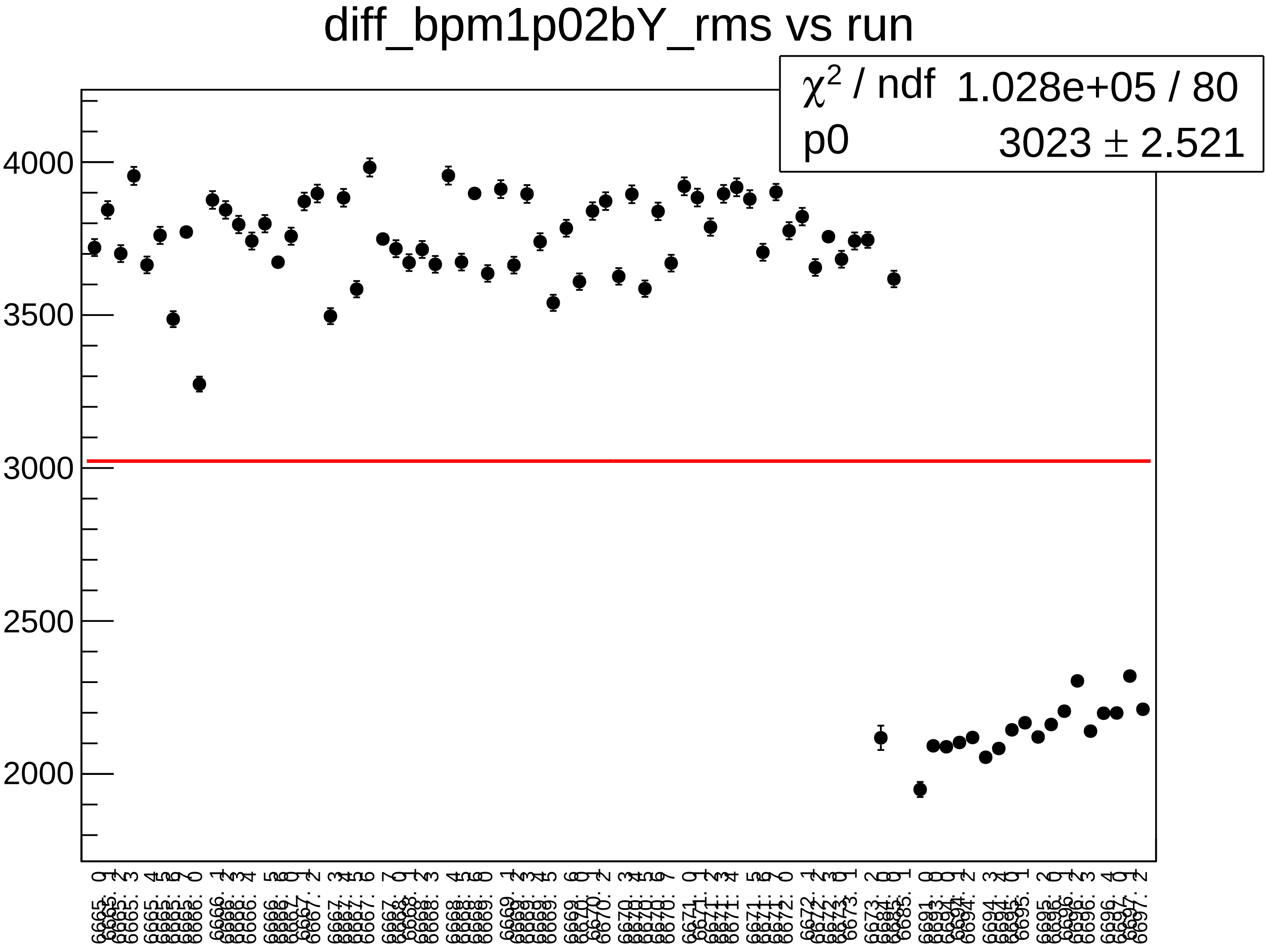

diff_bpm1p02bX_mean vs run
χ2 / ndf 74.86 / 80
p0 1.934 ± 1.221
pull
Entries 81
Mean 687.6
Std Dev 647.5
pull1D
Entries 81
Mean 0.00722
Std Dev 0.9613



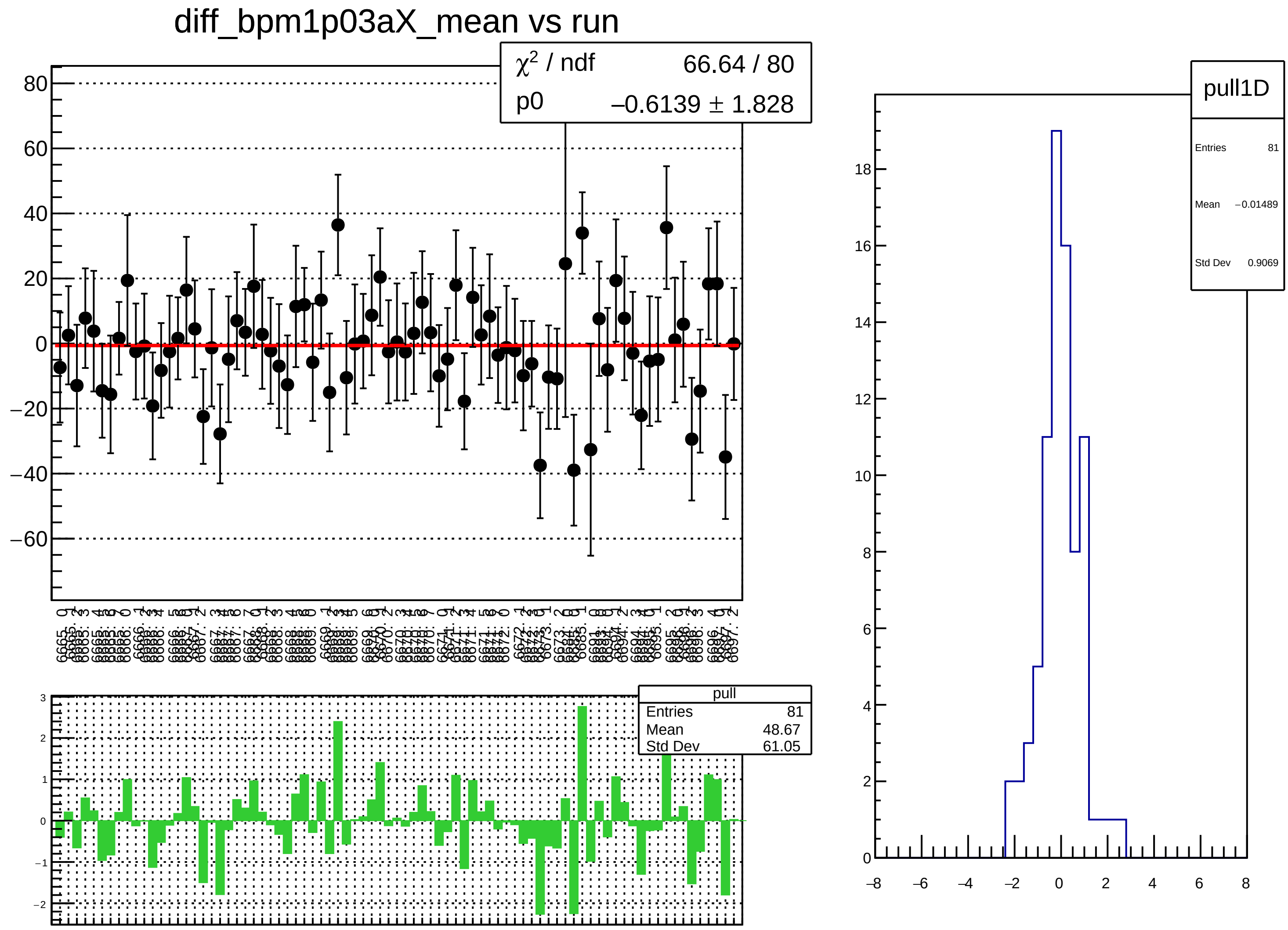
diff_bpm1p02bX_rms vs run
χ^2 / ndf 1.399e+04 / 80
p0 1066 ± 0.8631
1250
1200
1150
1100
1050
1000
950
900



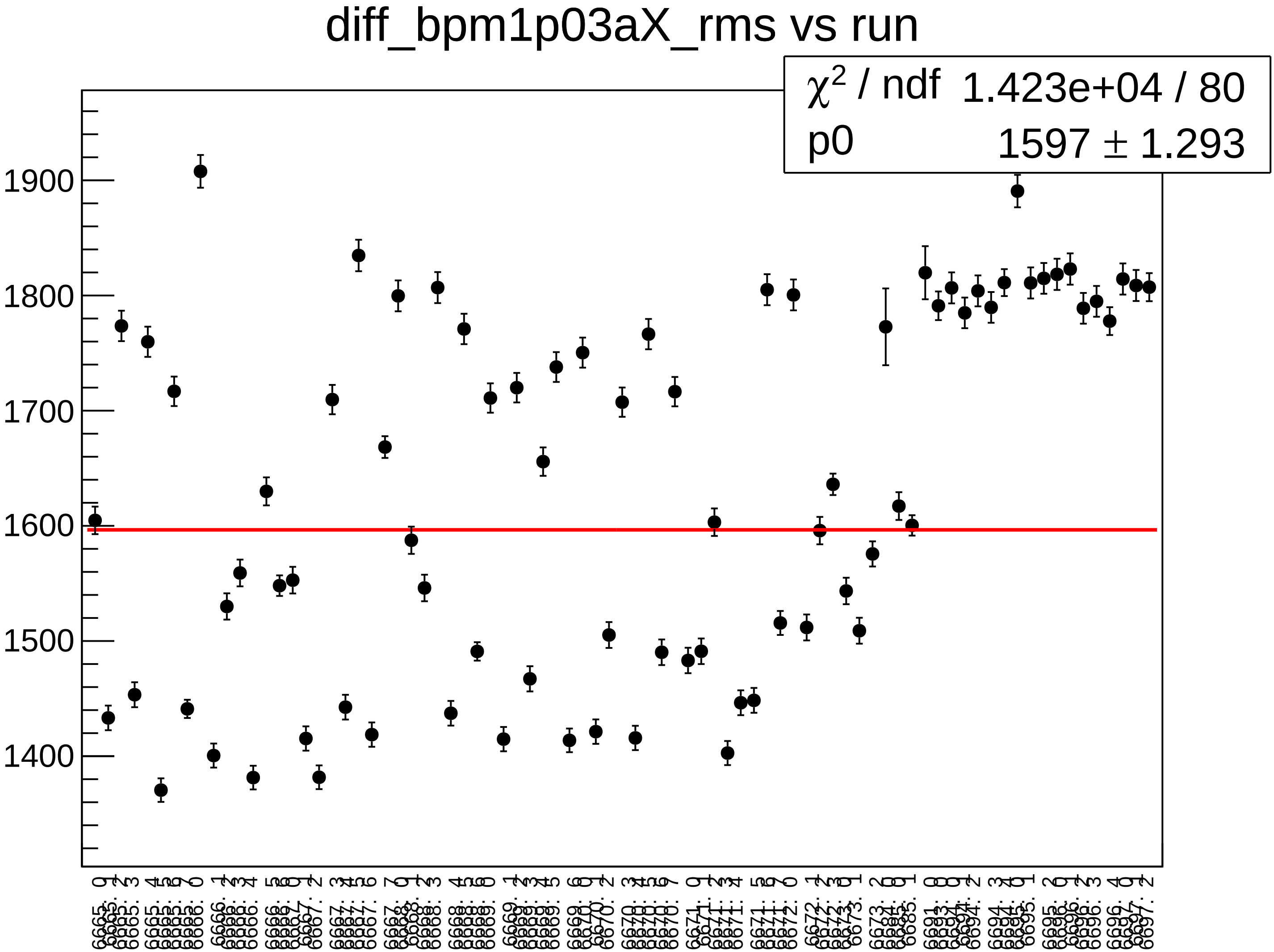
diff_bpm1p02bY_mean vs run
χ2 / ndf 83.31 / 80
p0 −2.083 ± 3.566
pull
Entries 81
Mean 13.35
Std Dev 41.54
pull1D
Entries 81
Mean −0.02995
Std Dev 1.014



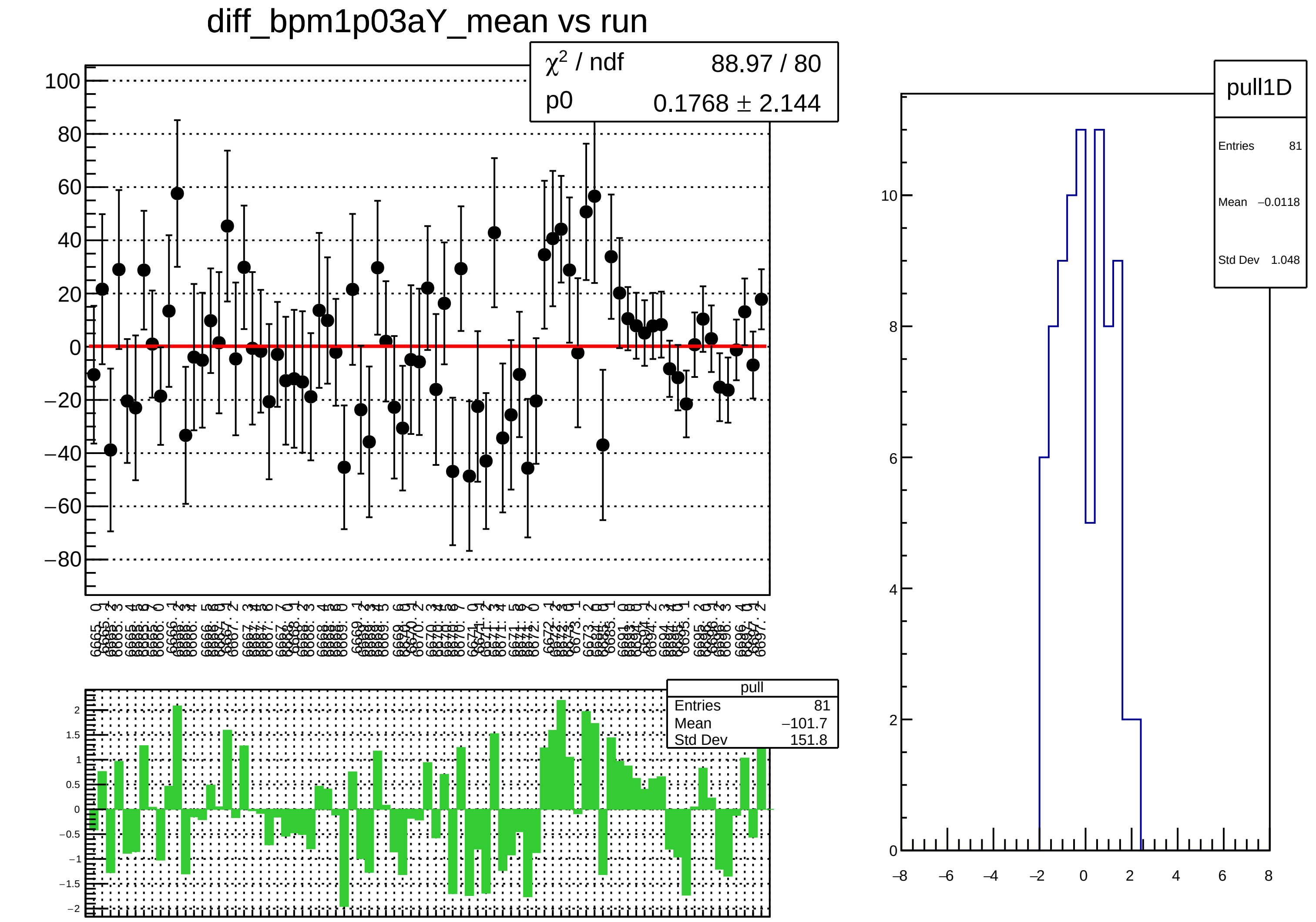
diff_bpm1p02bY_rms vs run
χ^2 / ndf 1.028e+05 / 80
p0 3023 ± 2.521
4000
3500
3000
2500
2000



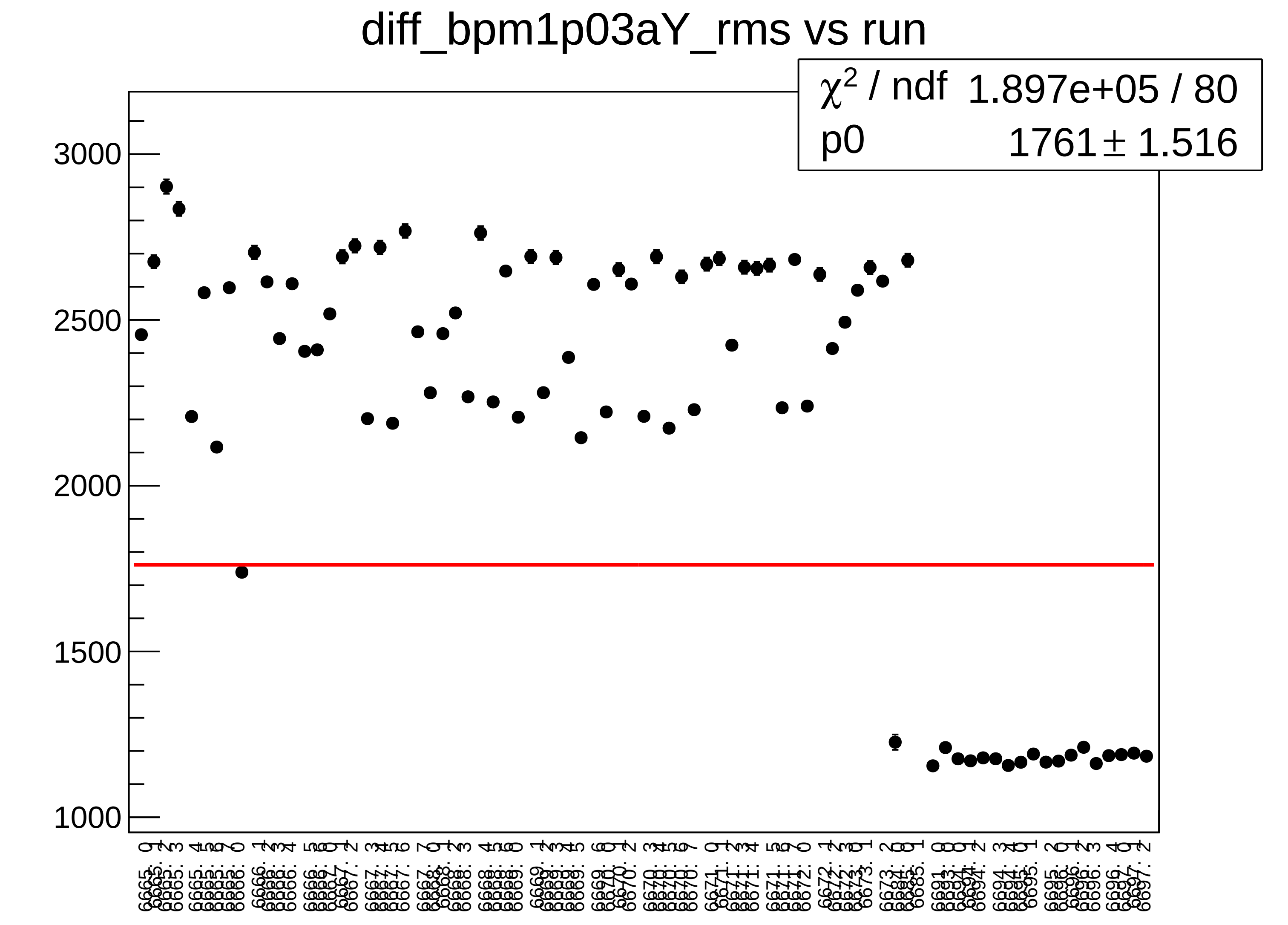
diff_bpm1p03aX_mean vs run
χ^2 / ndf 66.64 / 80
p0 −0.6139 ± 1.828
80
60
40
20
0
−20
−40
−60
pull
Entries 81
Mean 48.67
Std Dev 61.05
3
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01489
Std Dev 0.9069
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



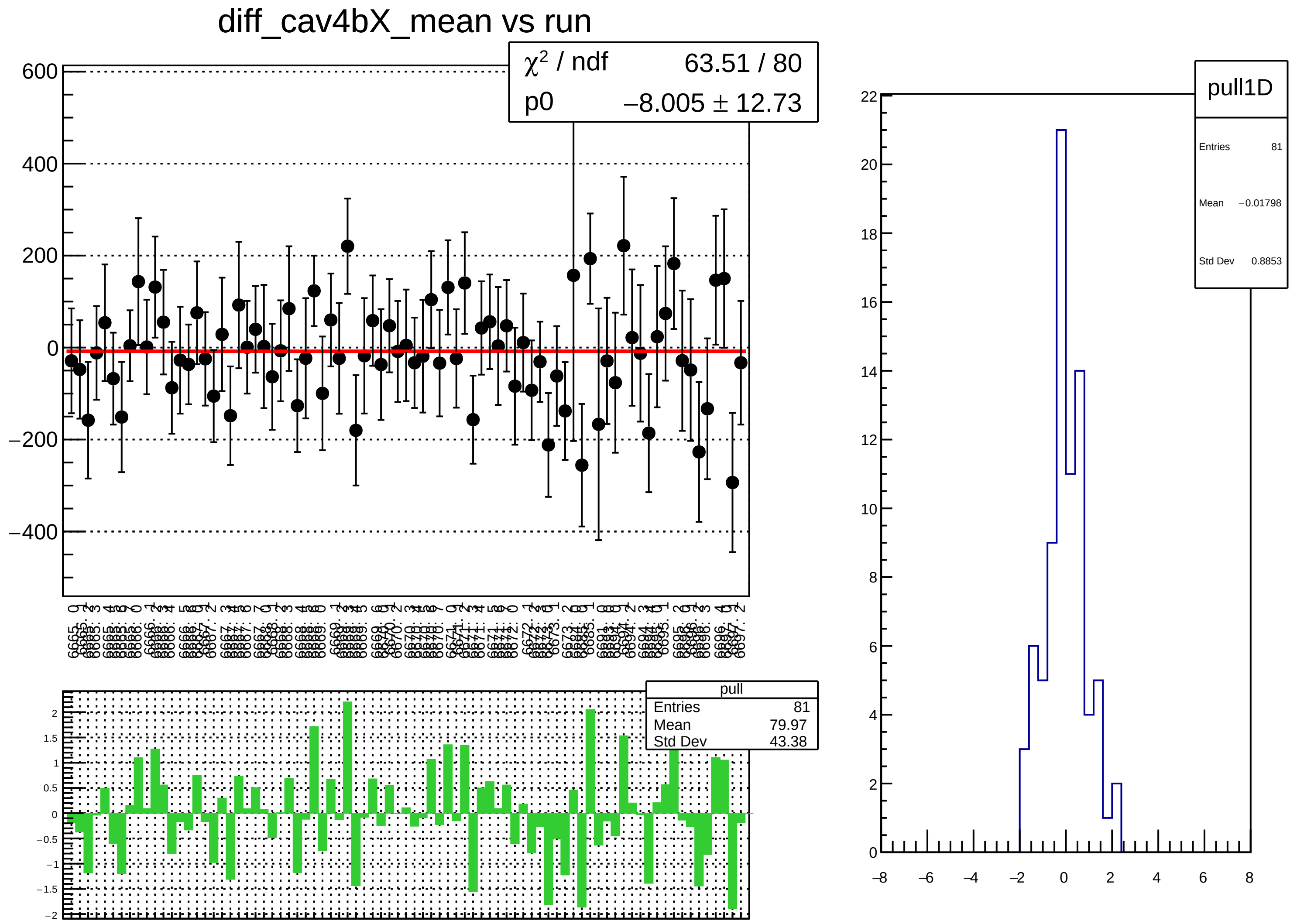
diff_bpm1p03aX_rms vs run
χ2 / ndf 1.423e+04 / 80
p0 1597 ± 1.293
1900
1800
1700
1600
1500
1400



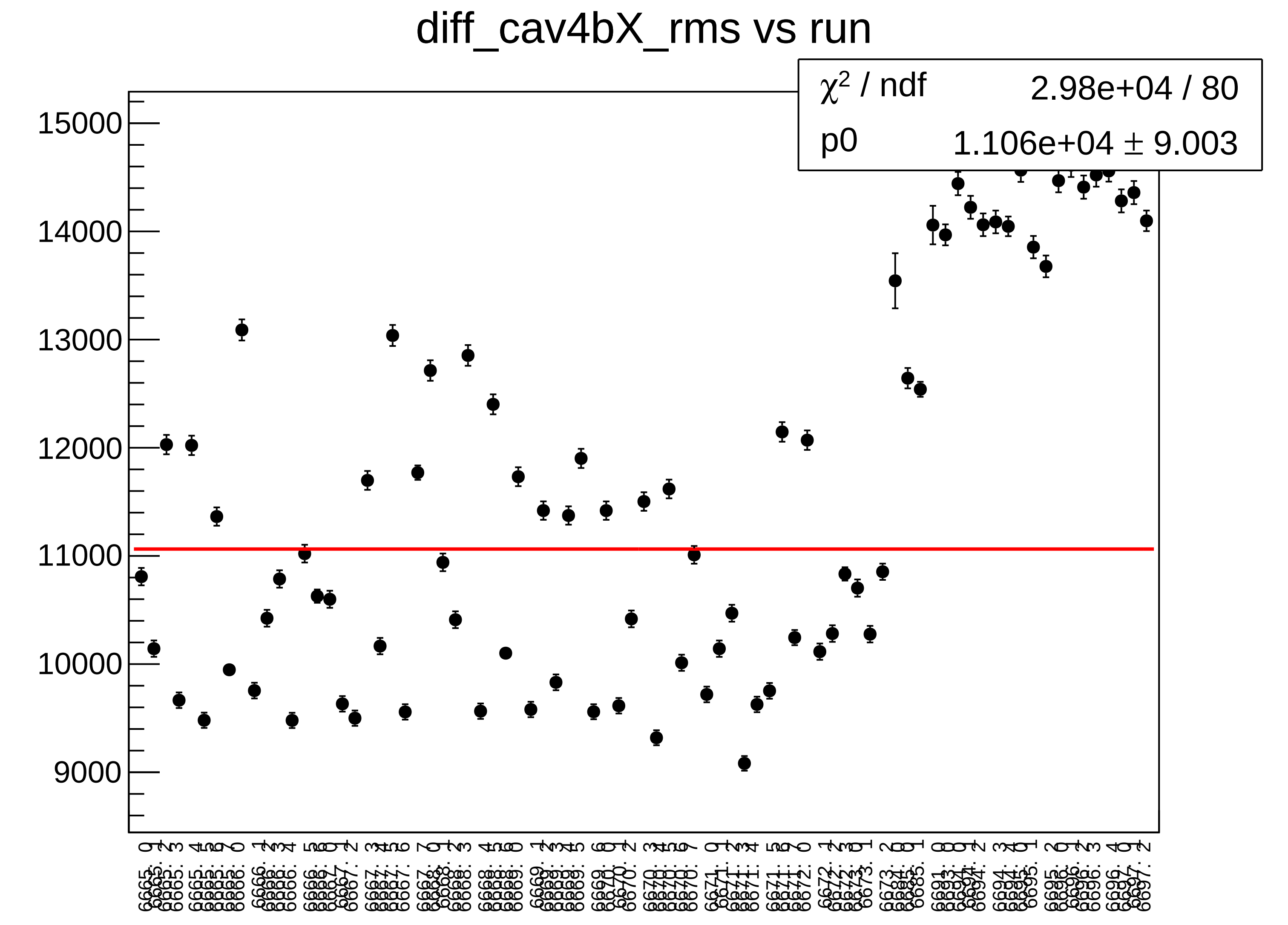
diff_bpm1p03aY_mean vs run
χ^2 / ndf 88.97 / 80
p0 0.1768 ± 2.144
pull
Entries 81
Mean −101.7
Std Dev 151.8
pull1D
Entries 81
Mean −0.0118
Std Dev 1.048

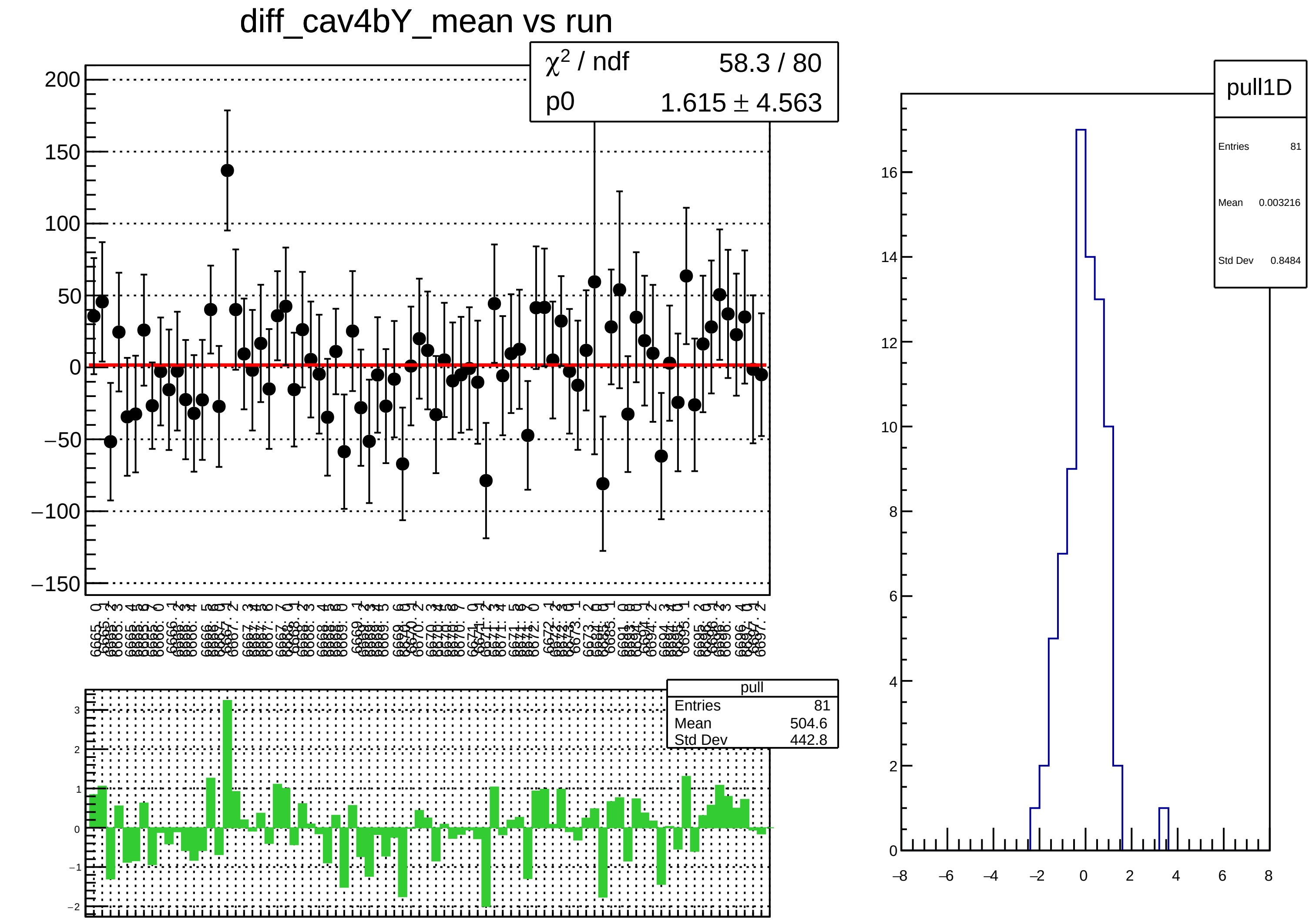


diff_bpm1p03aY_rms vs run
χ2 / ndf 1.897e+05 / 80
p0 1761 ± 1.516
3000
2500
2000
1500
1000

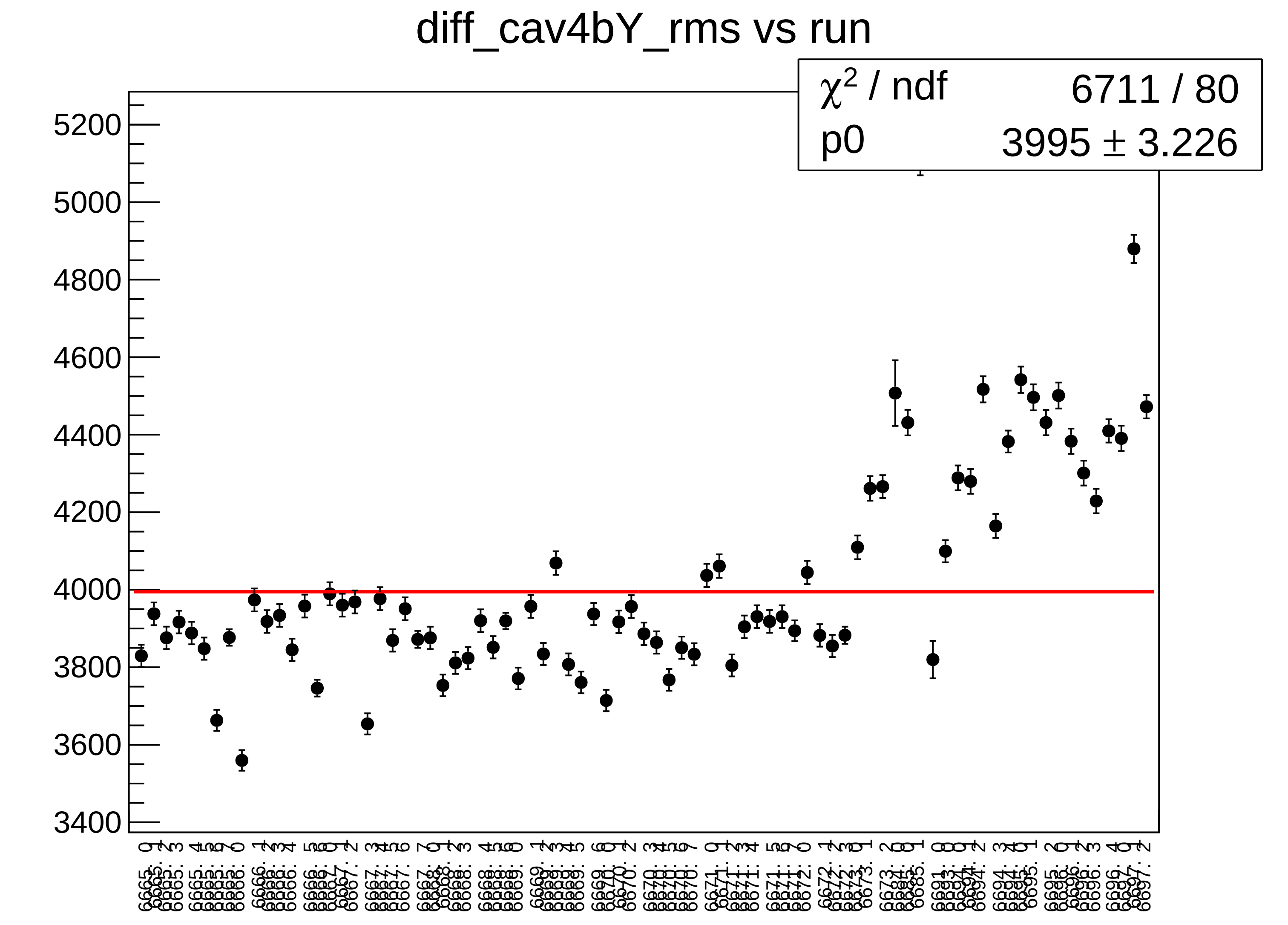


diff_cav4bX_mean vs run
χ^2 / ndf 63.51 / 80
p0 −8.005 ± 12.73
pull
Entries 81
Mean 79.97
Std Dev 43.38
pull1D
Entries 81
Mean −0.01798
Std Dev 0.8853

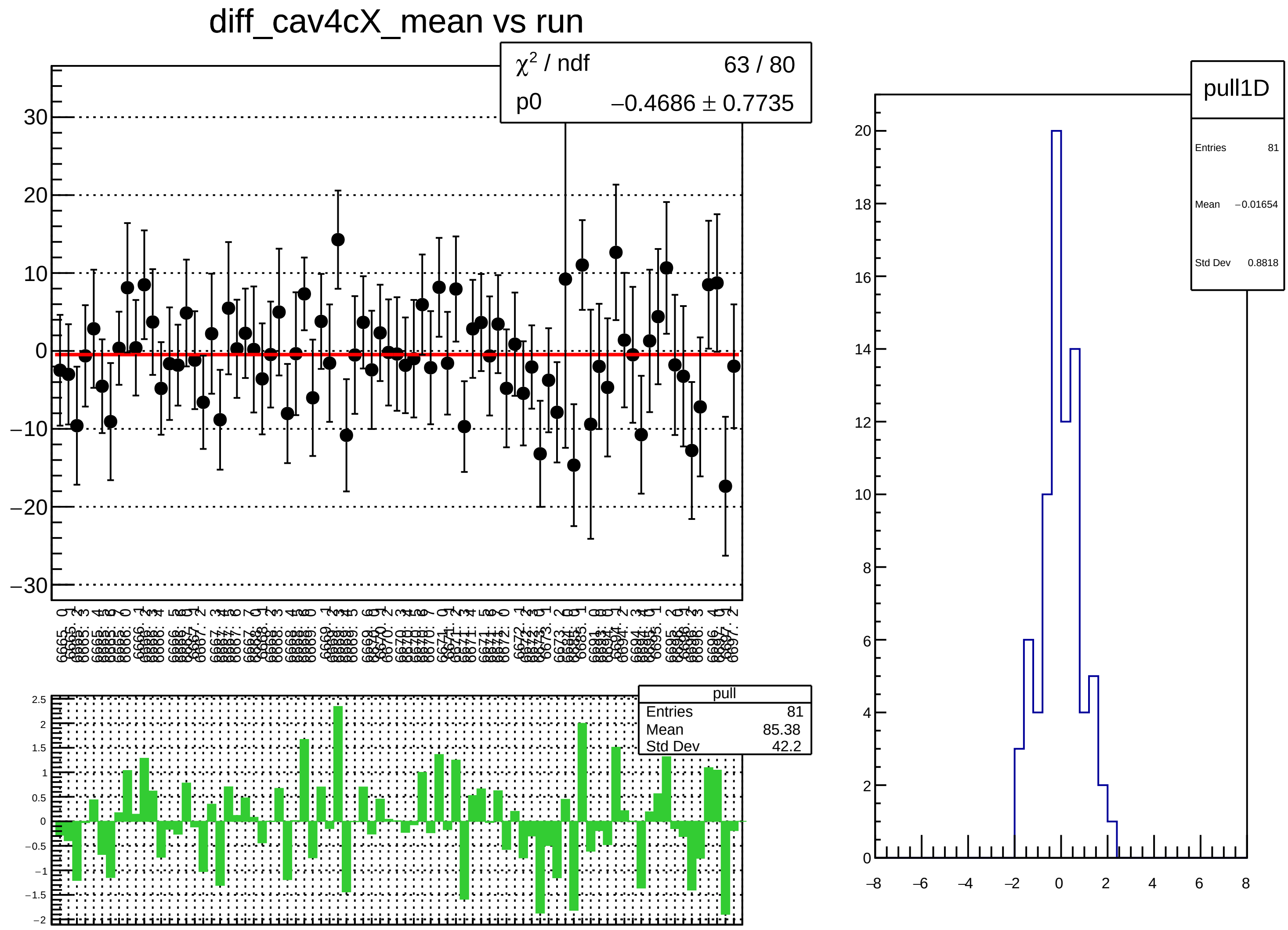

diff_cav4bX_rms vs run
χ2 / ndf 2.98e+04 / 80
p0 1.106e+04 ± 9.003
15000
14000
13000
12000
11000
10000
9000



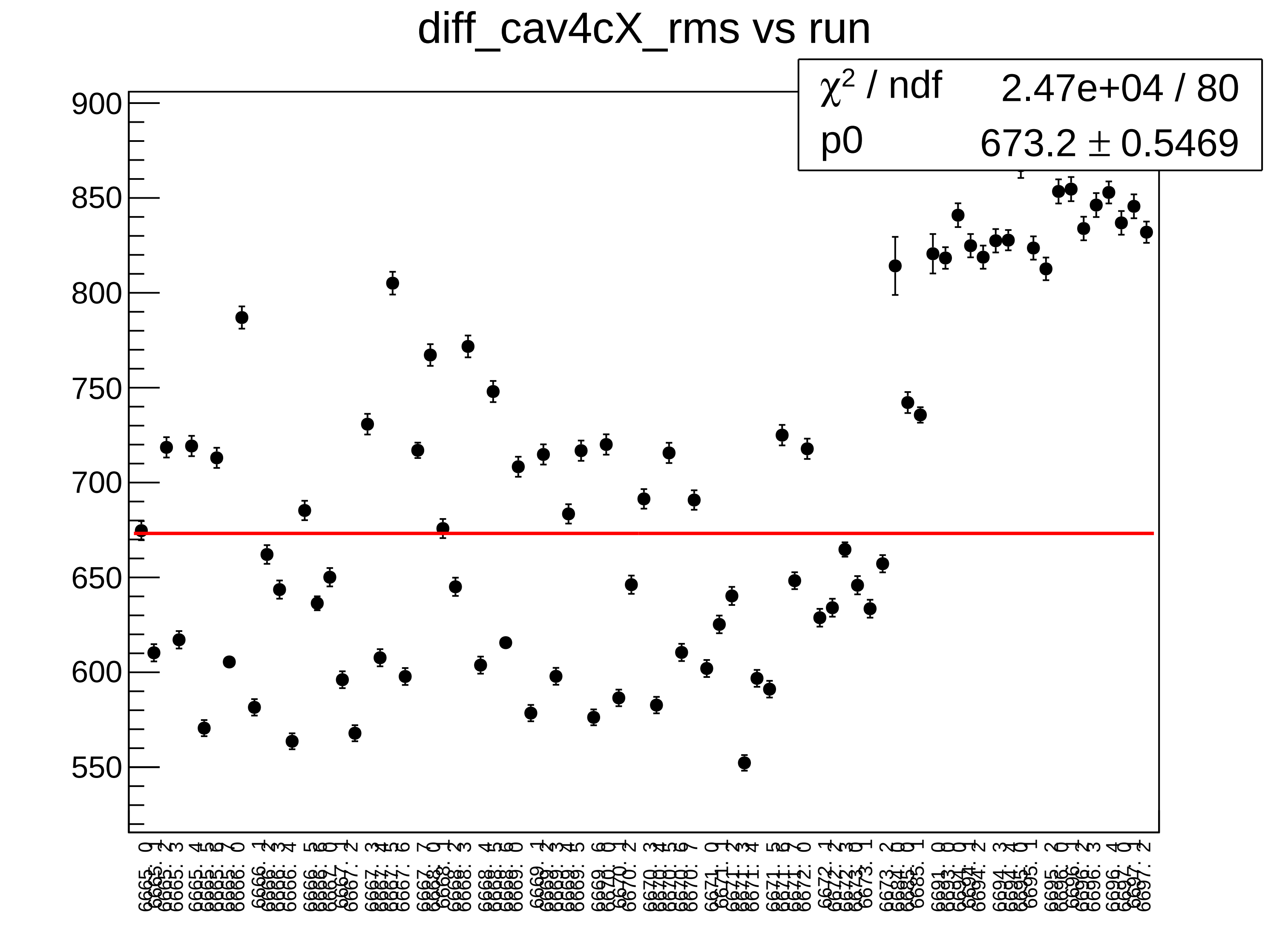
diff_cav4bY_mean vs run
χ^2 / ndf 58.3 / 80
p0 1.615 ± 4.563
200
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 504.6
Std Dev 442.8
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.003216
Std Dev 0.8484
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

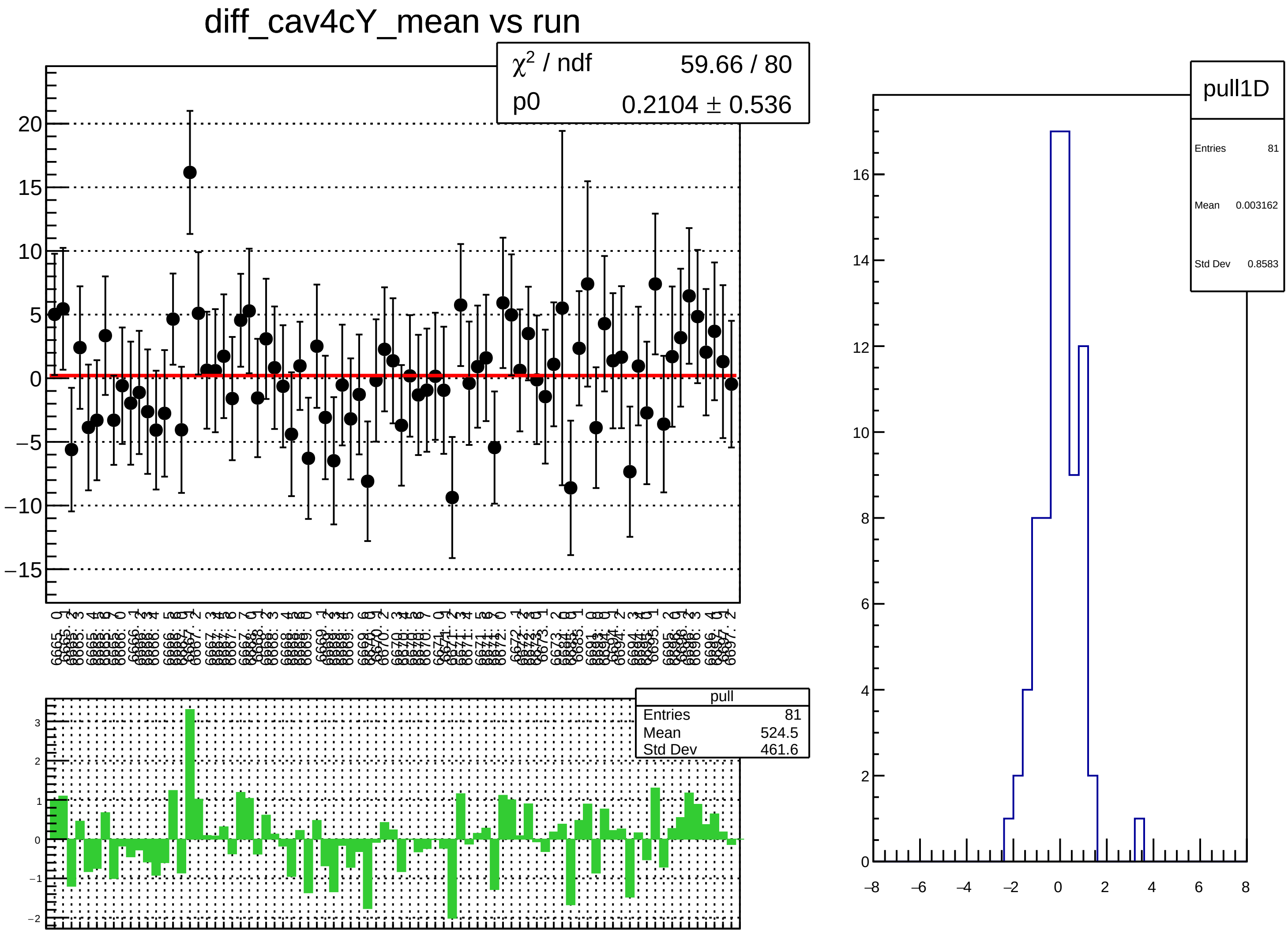


diff_cav4bY_rms vs run
χ^2 / ndf 6711 / 80
p0 3995 ± 3.226
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400

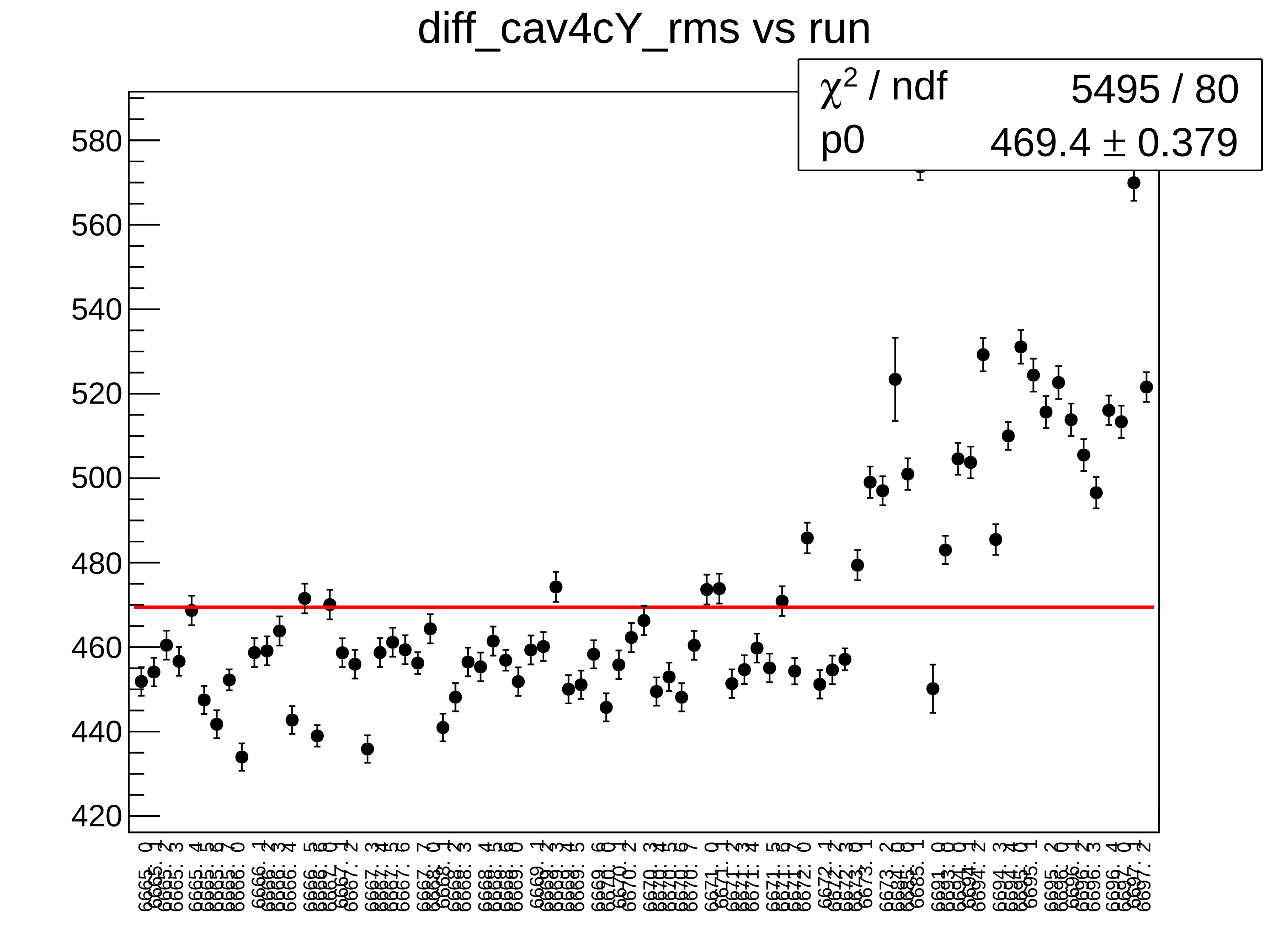


diff_cav4cX_mean vs run
χ^2 / ndf 63 / 80
p0 −0.4686 ± 0.7735
pull
Entries 81
Mean 85.38
Std Dev 42.2
pull1D
Entries 81
Mean −0.01654
Std Dev 0.8818

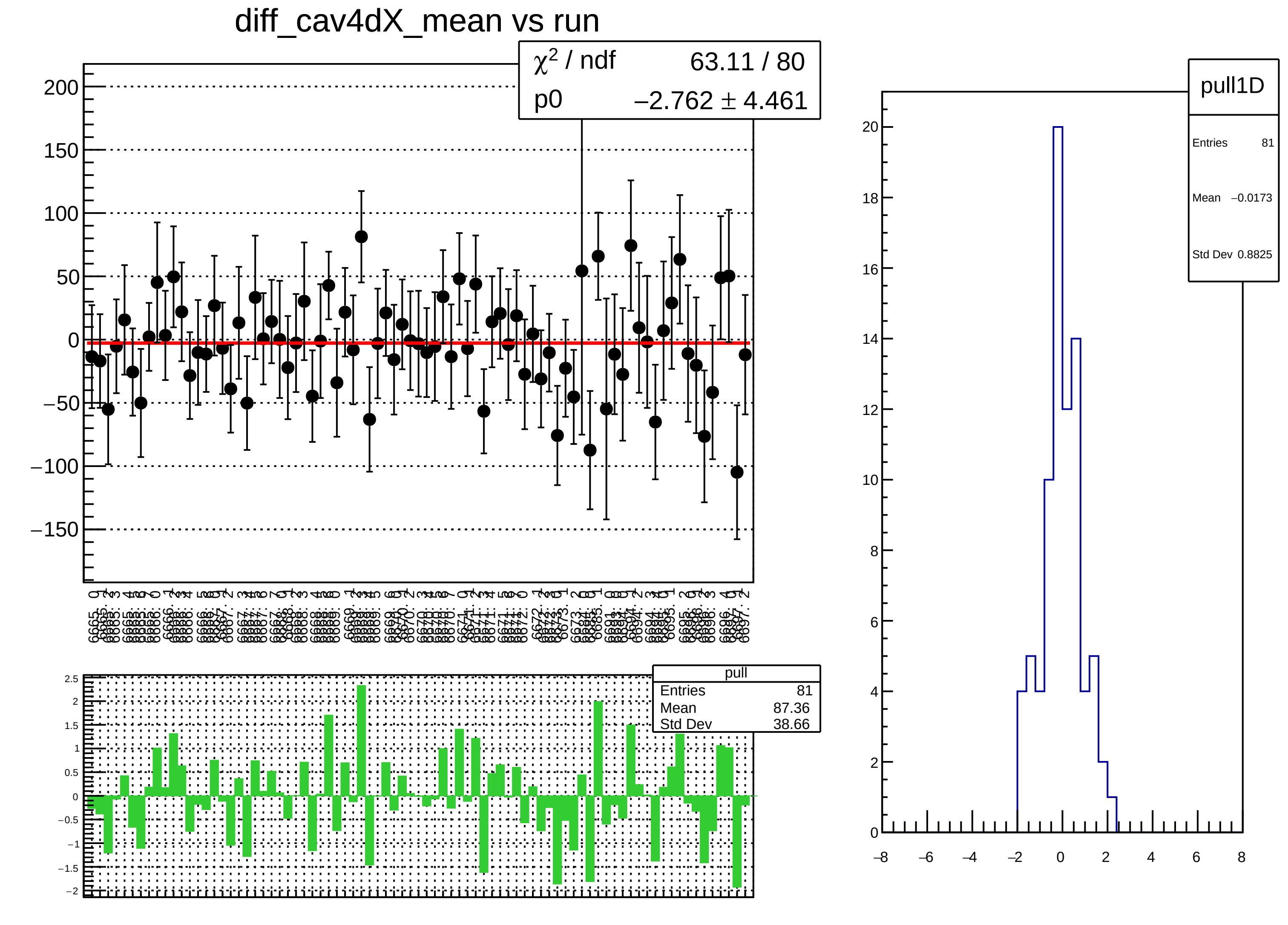

diff_cav4cX_rms vs run
χ² / ndf 2.47e+04 / 80
p0 673.2 ± 0.5469
900
850
800
750
700
650
600
550

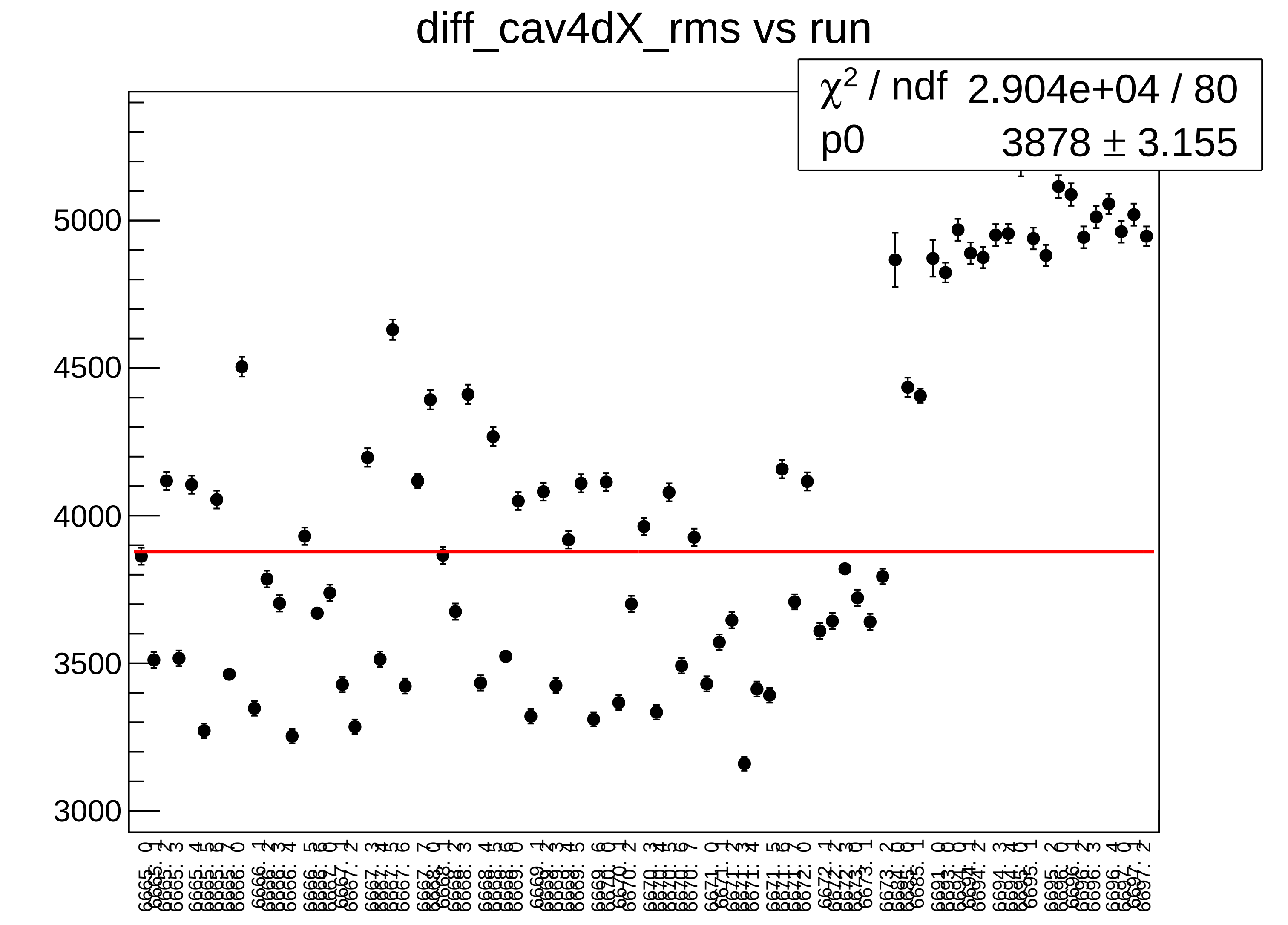


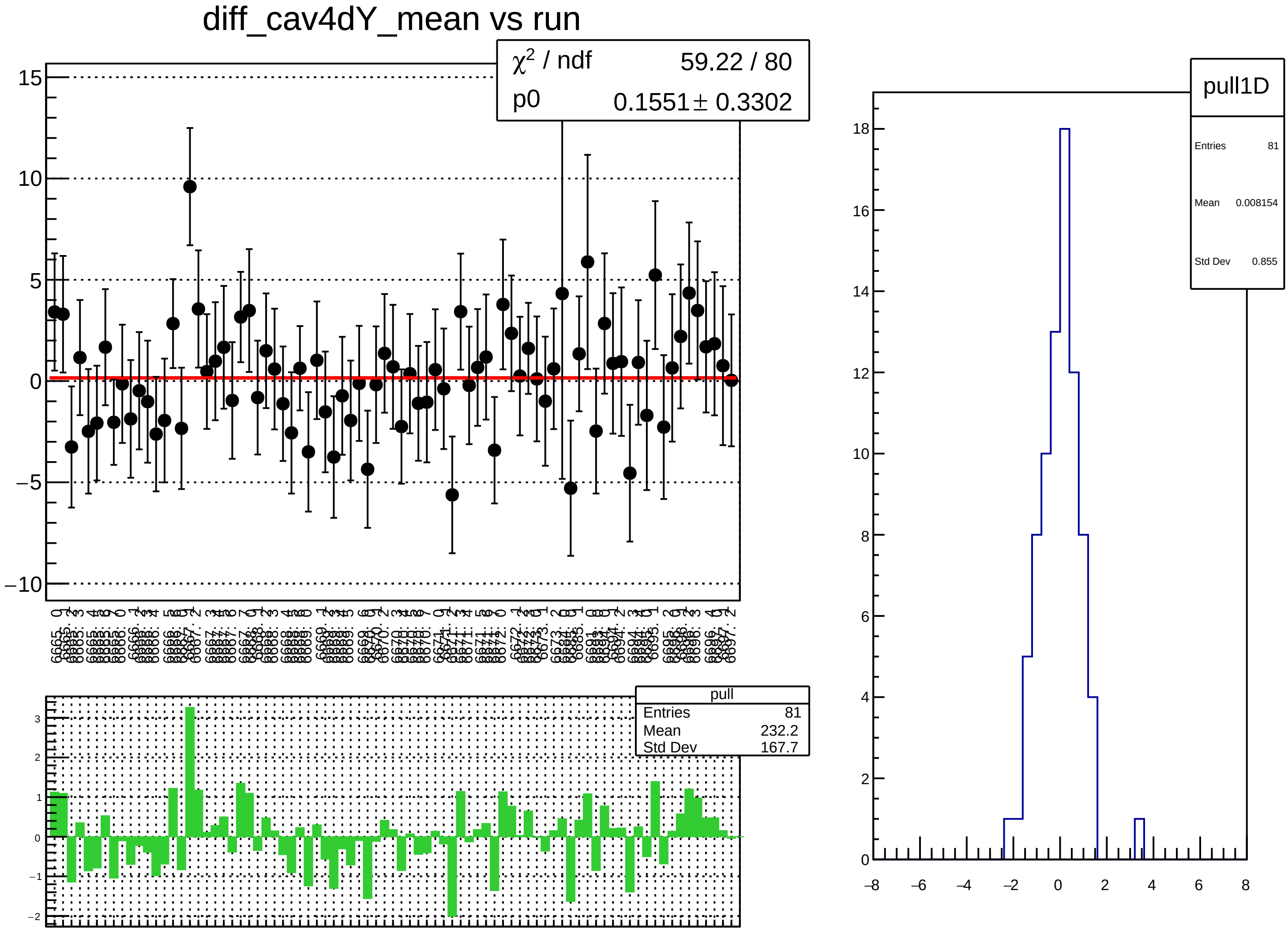
diff_cav4cY_mean vs run
χ^2 / ndf 59.66 / 80
p0 0.2104 ± 0.536
pull
Entries 81
Mean 524.5
Std Dev 461.6
pull1D
Entries 81
Mean 0.003162
Std Dev 0.8583

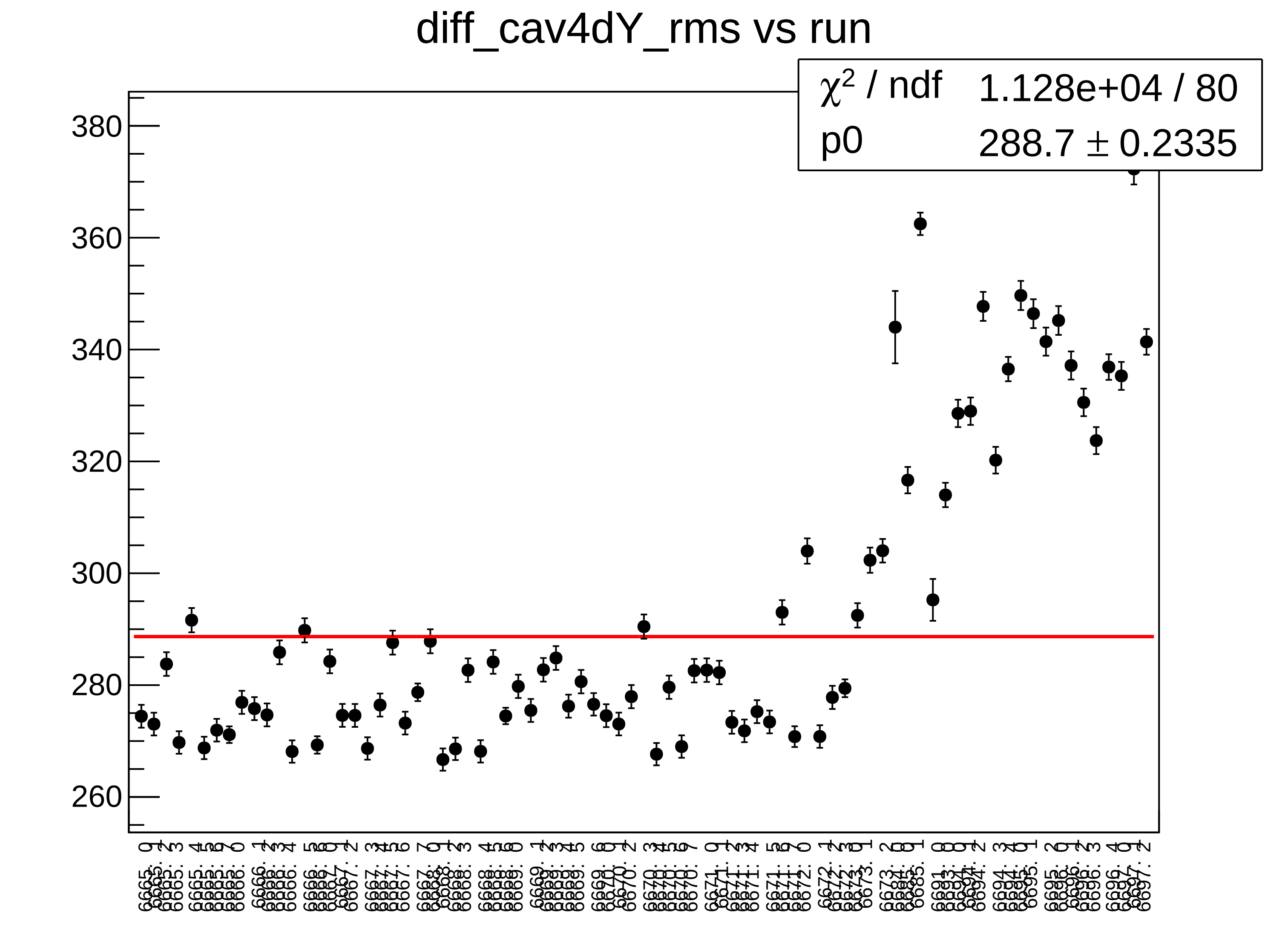


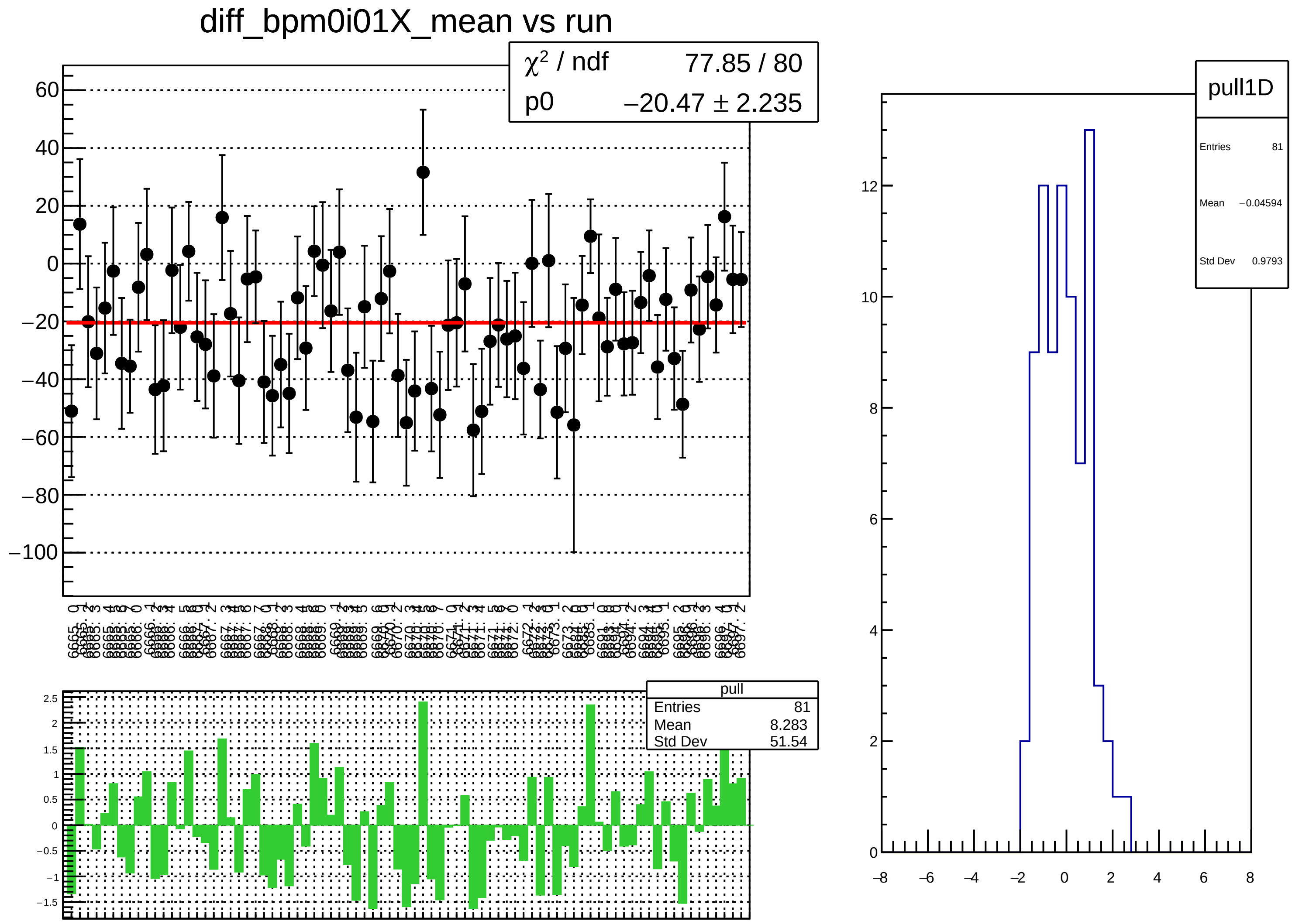
diff_cav4cY_rms vs run
χ^2 / ndf 5495 / 80
p0 469.4 ± 0.379
580
560
540
520
500
480
460
440
420


diff_cav4dX_mean vs run
χ^2 / ndf 63.11 / 80
p0 −2.762 ± 4.461
pull
Entries 81
Mean 87.36
Std Dev 38.66
pull1D
Entries 81
Mean −0.0173
Std Dev 0.8825

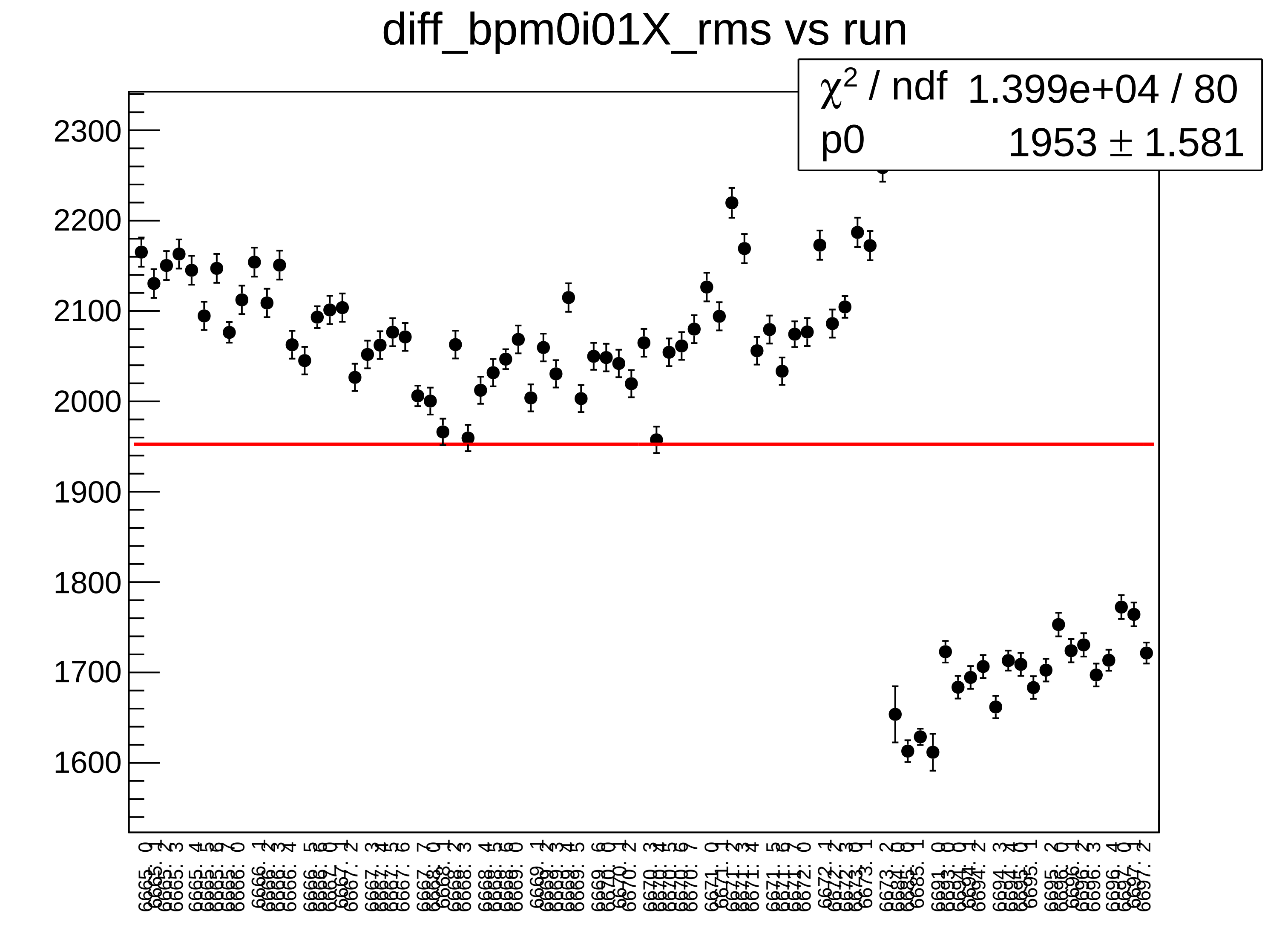

diff_cav4dX_rms vs run
χ^2 / ndf 2.904e+04 / 80
p0 3878 ± 3.155
5000
4500
4000
3500
3000

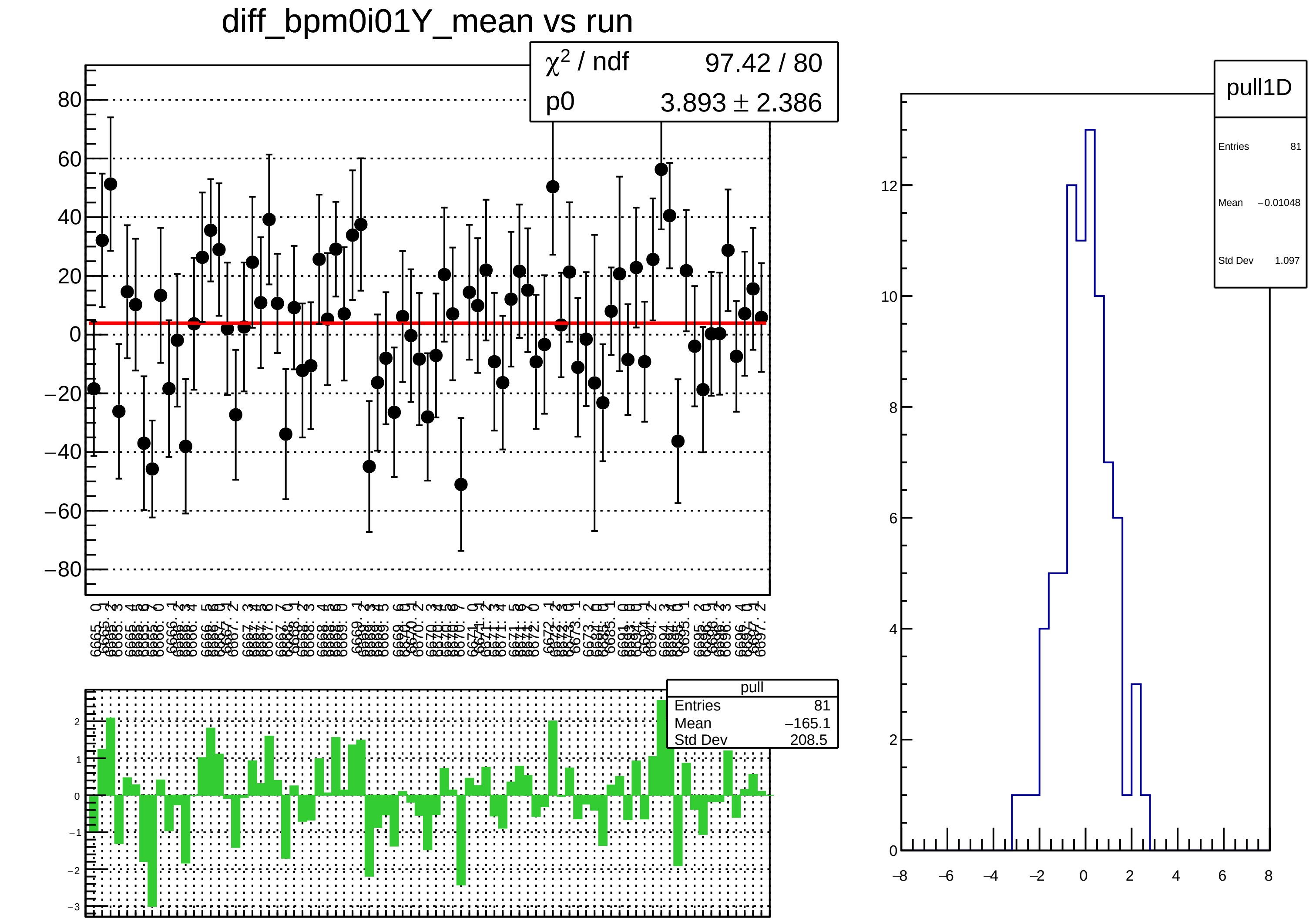

diff_cav4dY_mean vs run
χ2 / ndf 59.22 / 80
p0 0.1551 ± 0.3302
pull
Entries 81
Mean 232.2
Std Dev 167.7
pull1D
Entries 81
Mean 0.008154
Std Dev 0.855


diff_cav4dY_rms vs run
χ^2 / ndf 1.128e+04 / 80
p0 288.7 ± 0.2335
380
360
340
320
300
280
260

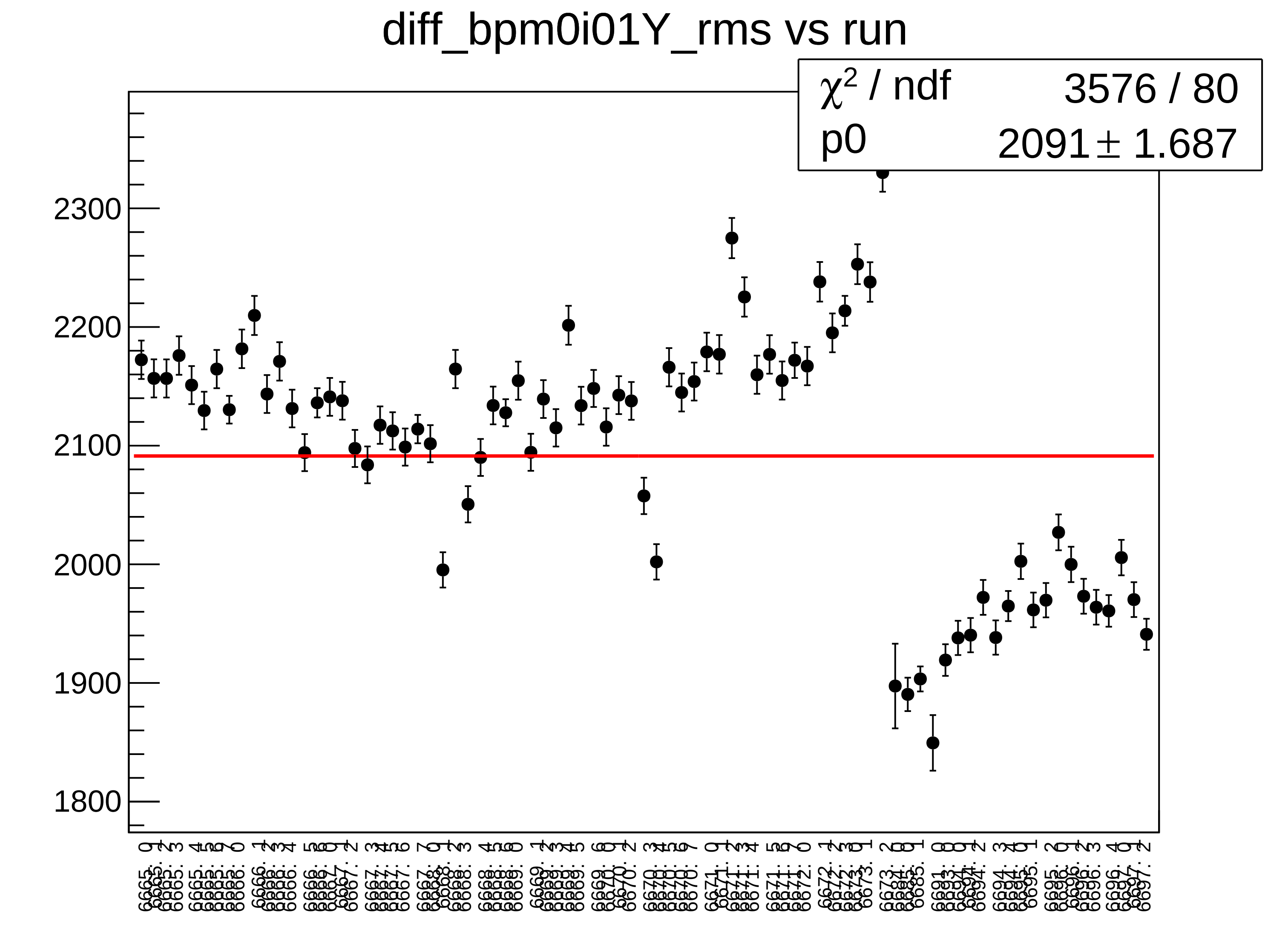


diff_bpm0i01X_mean vs run
χ^2 / ndf 77.85 / 80
p0 −20.47 ± 2.235
pull
Entries 81
Mean 8.283
Std Dev 51.54
pull1D
Entries 81
Mean −0.04594
Std Dev 0.9793

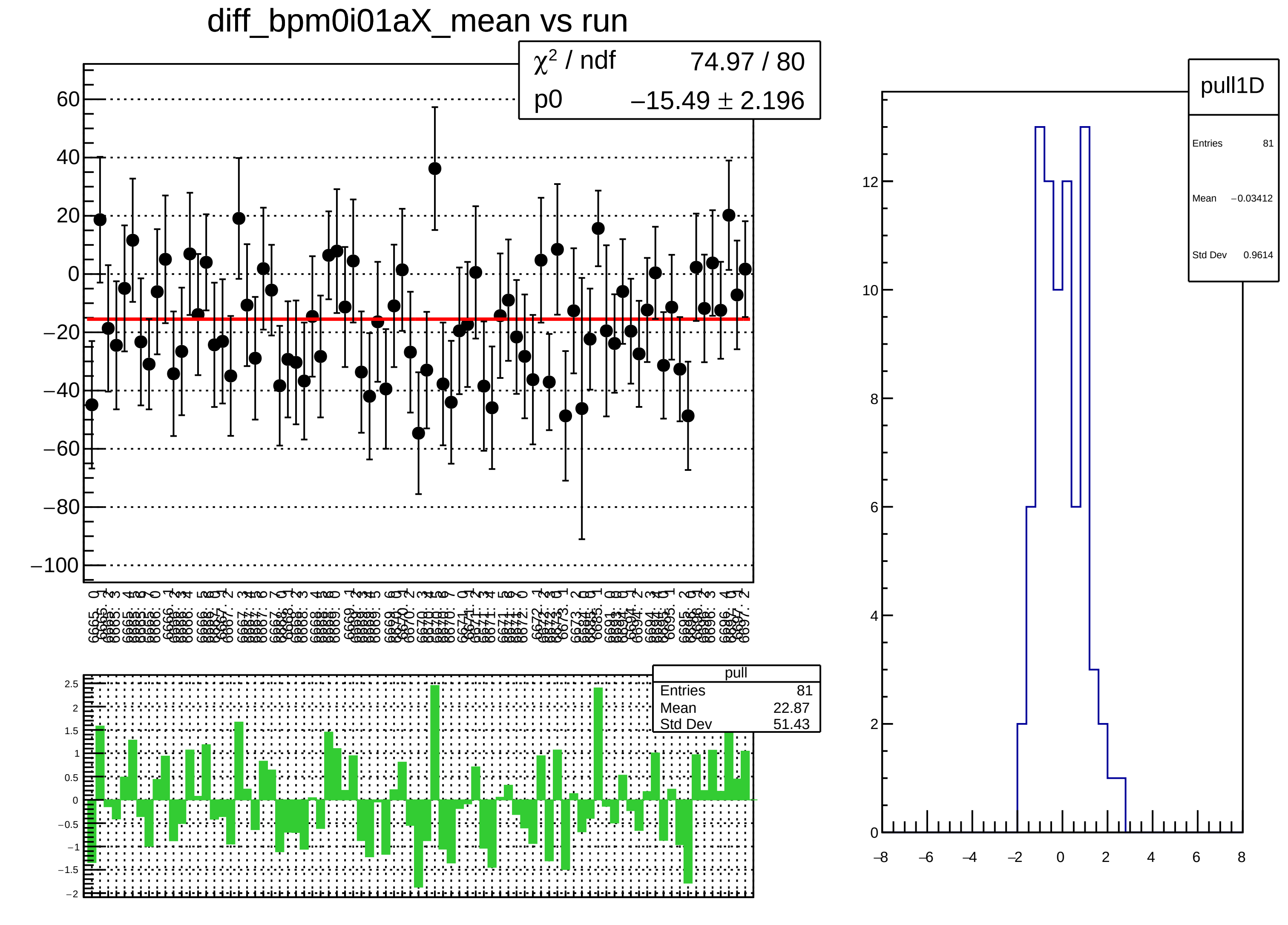

diff_bpm0i01X_rms vs run
χ2 / ndf 1.399e+04 / 80
p0 1953 ± 1.581
2300
2200
2100
2000
1900
1800
1700
1600



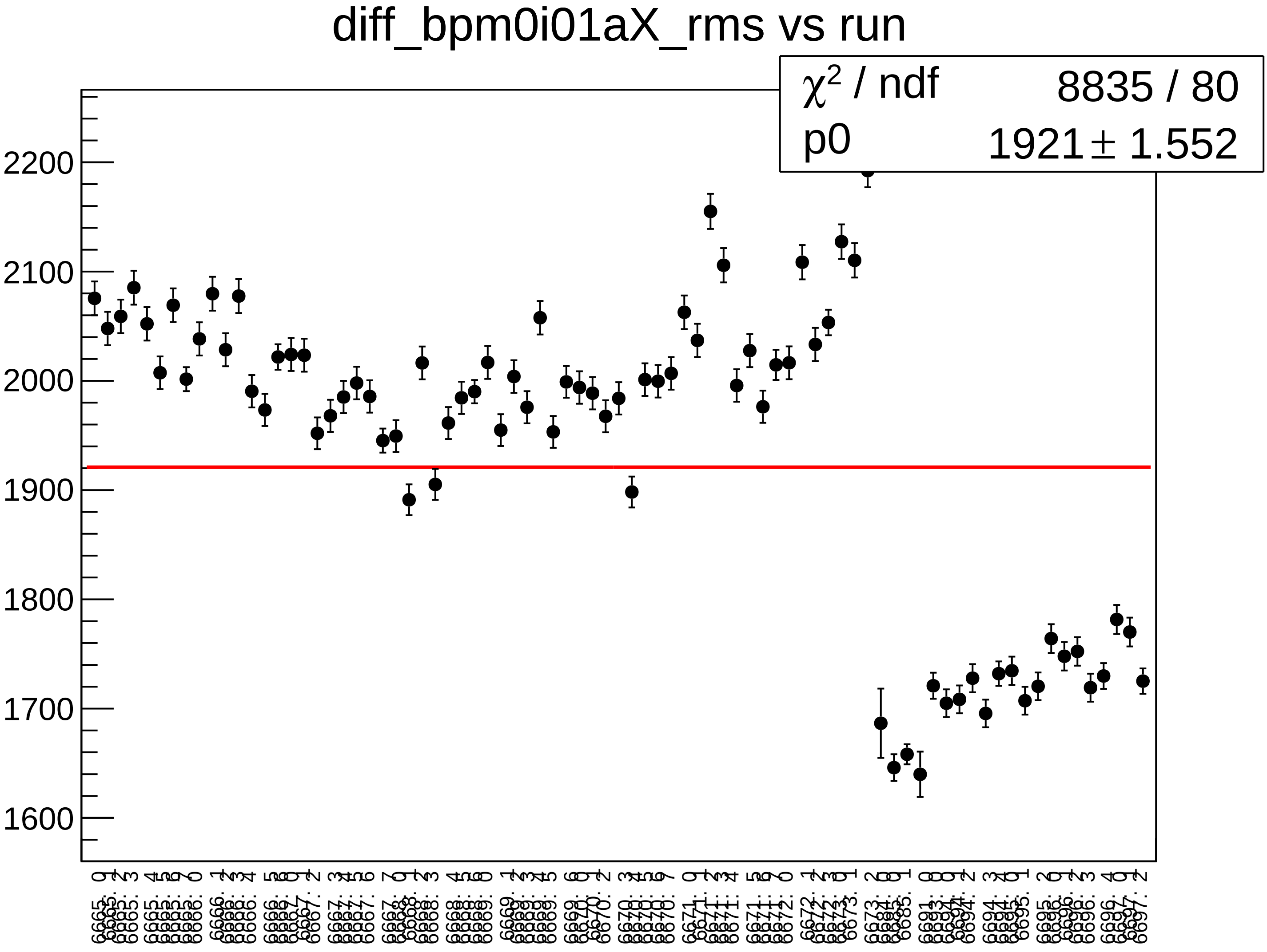
diff_bpm0i01Y_mean vs run
χ^2 / ndf 97.42 / 80
p0 3.893 ± 2.386
pull
Entries 81
Mean −165.1
Std Dev 208.5
pull1D
Entries 81
Mean −0.01048
Std Dev 1.097



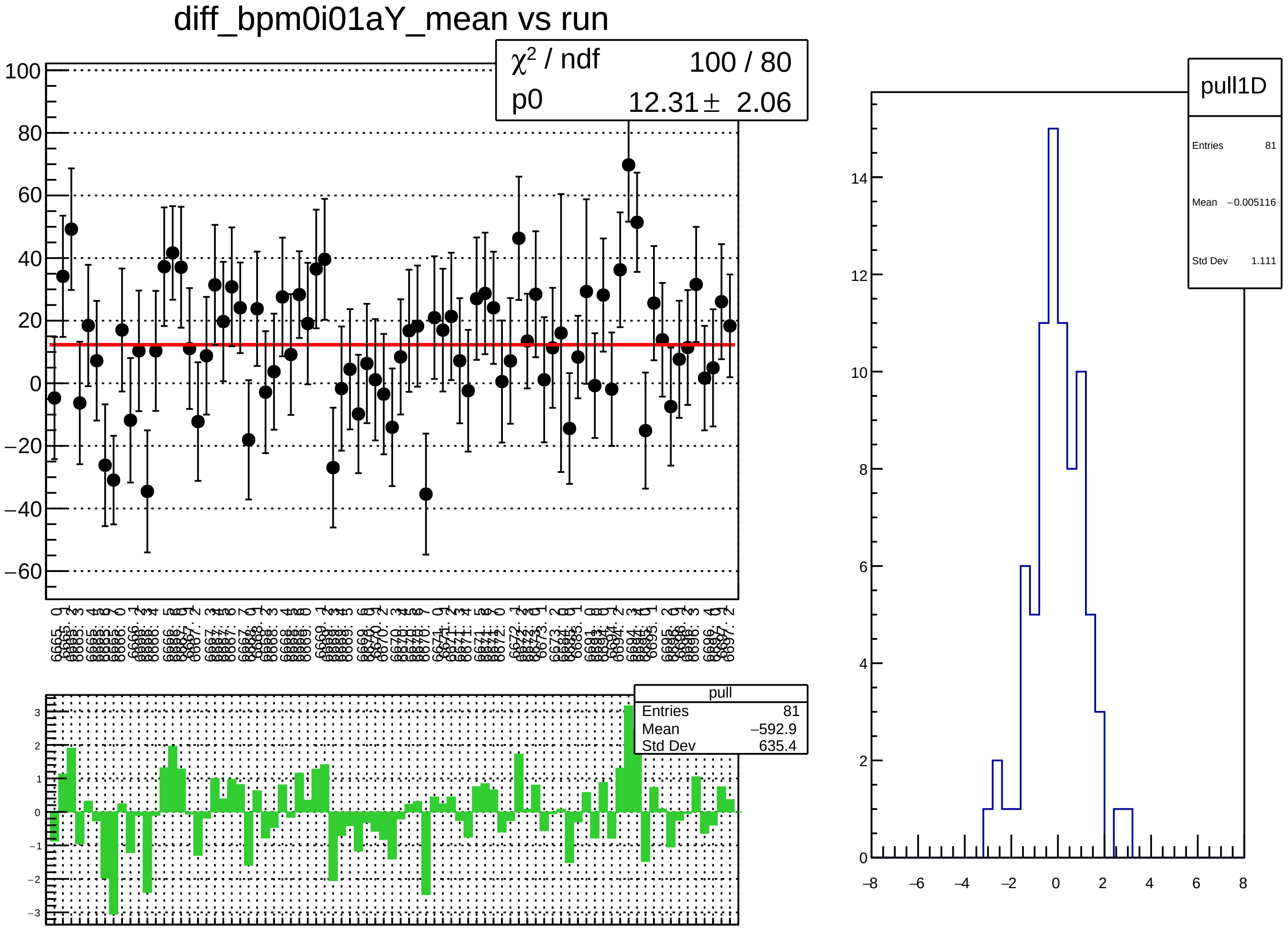
diff_bpm0i01Y_rms vs run
χ^2 / ndf 3576 / 80
p0 2091 ± 1.687
2300
2200
2100
2000
1900
1800

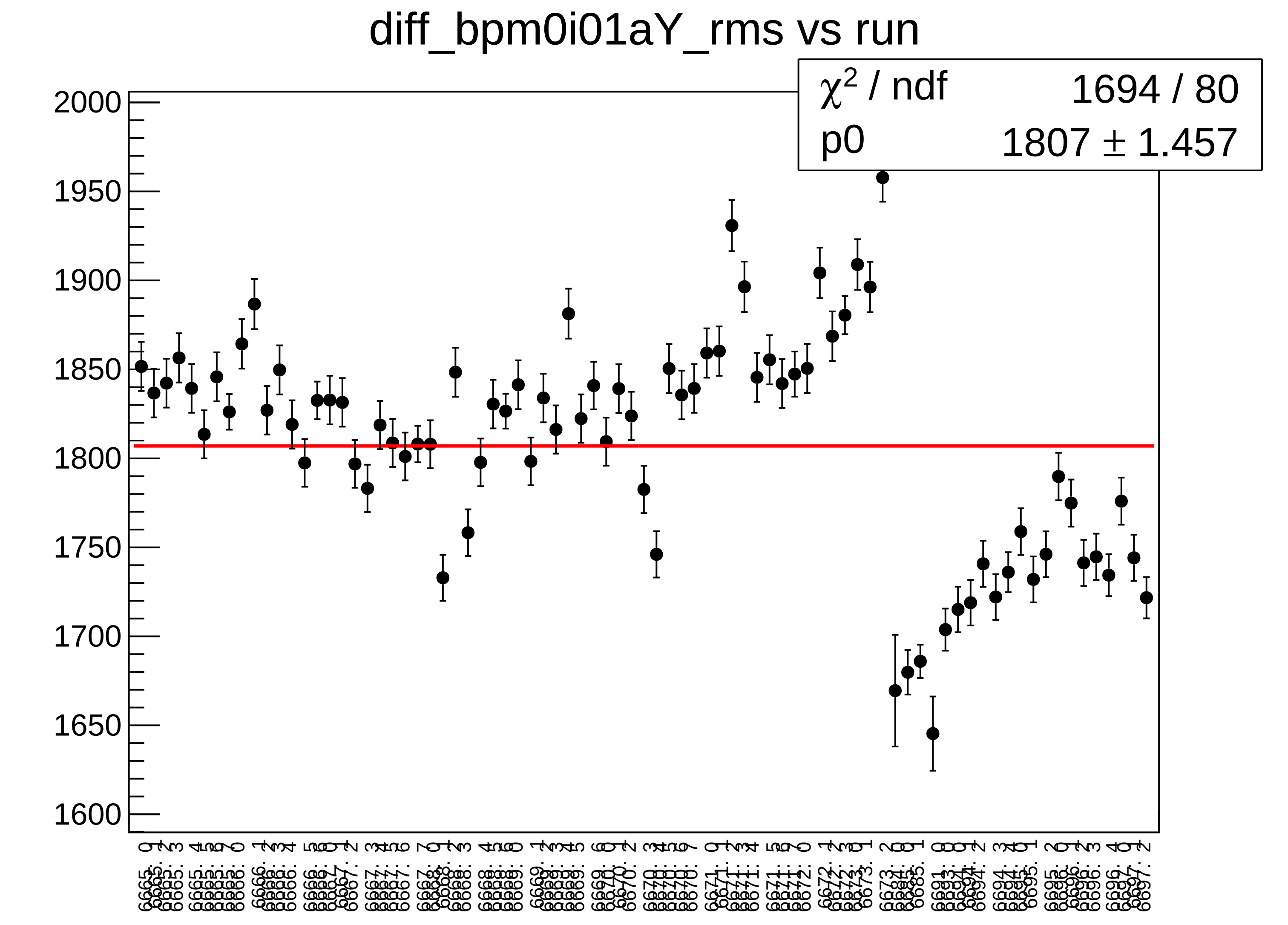


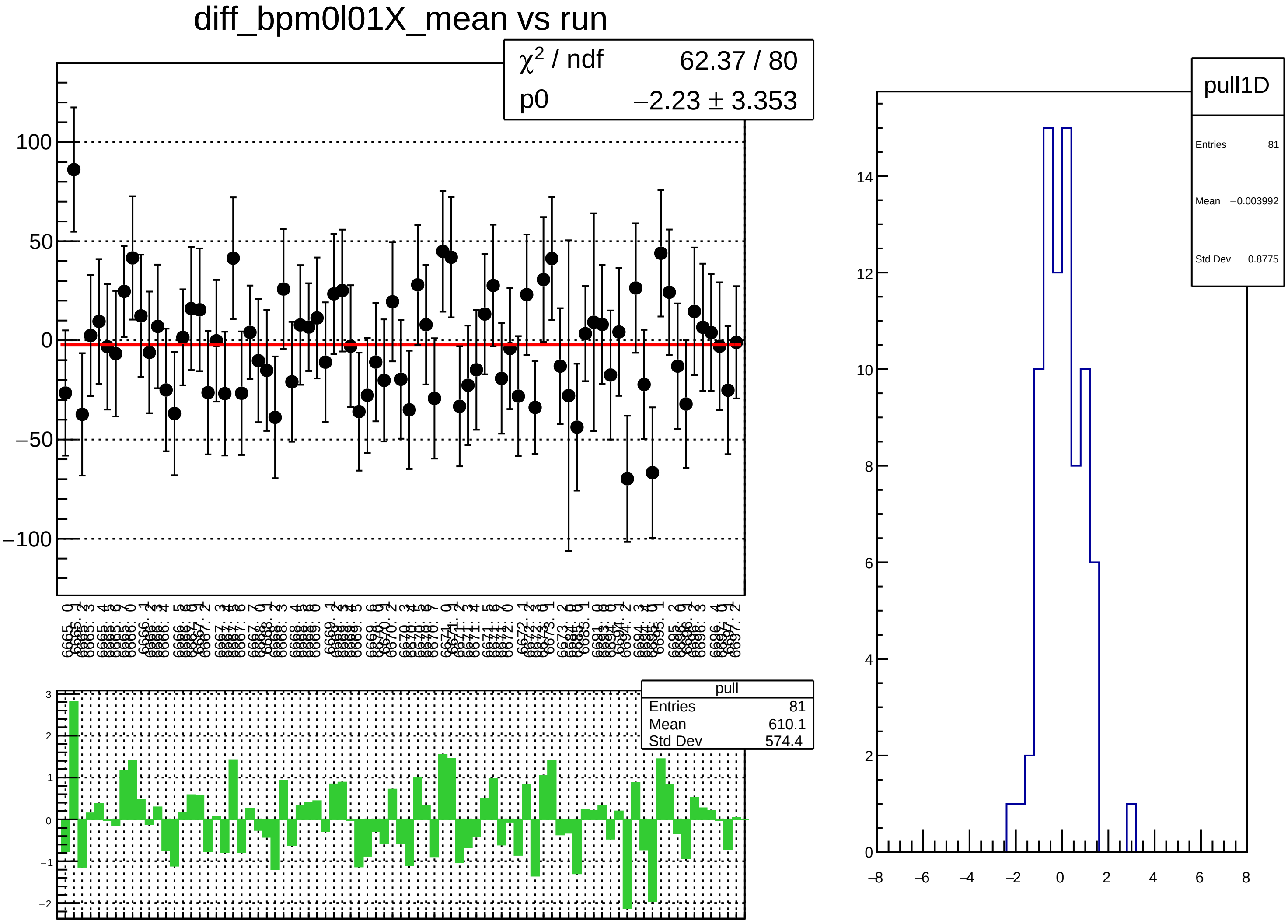
diff_bpm0i01aX_mean vs run
χ^2 / ndf 74.97 / 80
p0 −15.49 ± 2.196
pull
Entries 81
Mean 22.87
Std Dev 51.43
pull1D
Entries 81
Mean −0.03412
Std Dev 0.9614

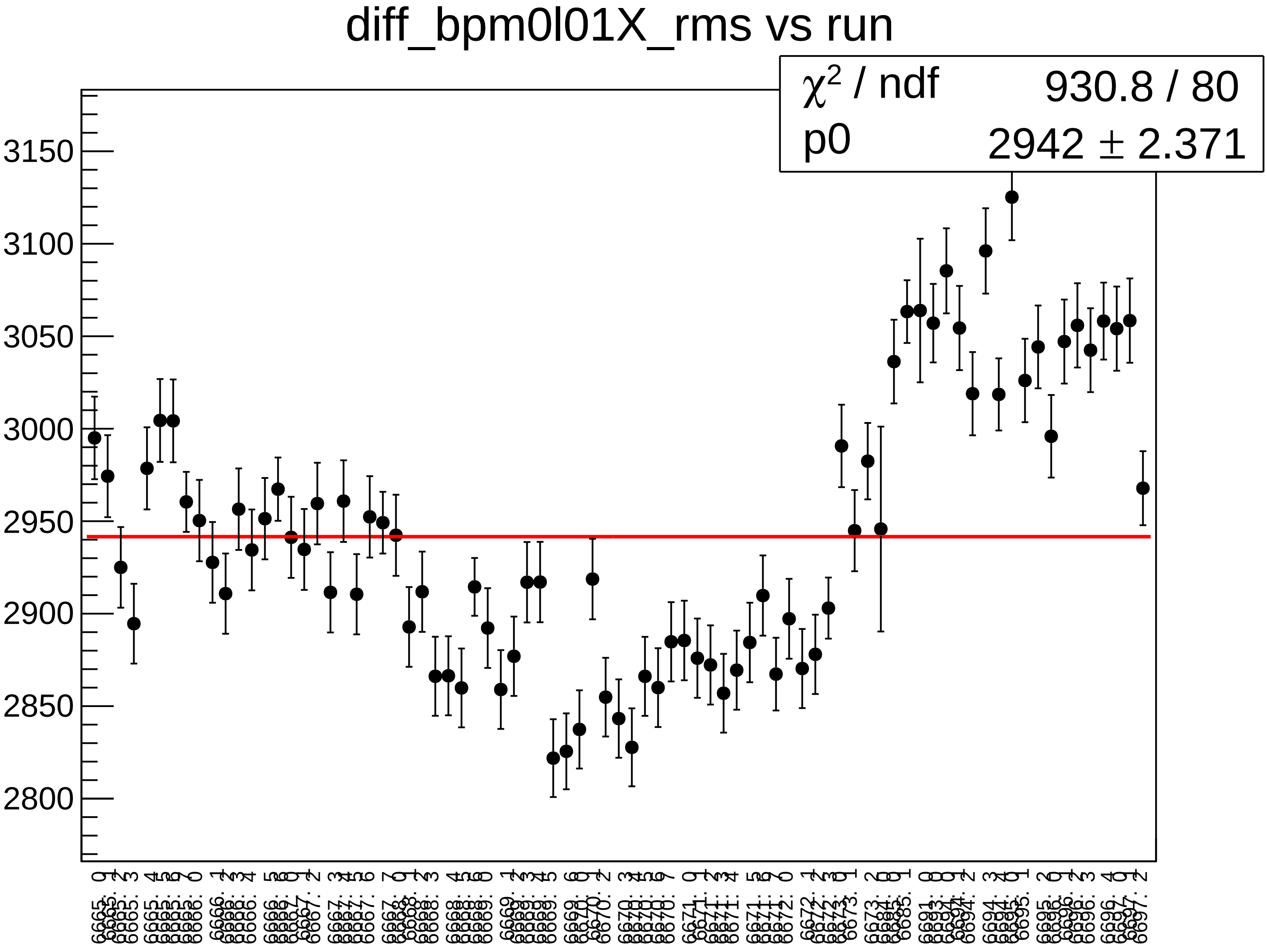


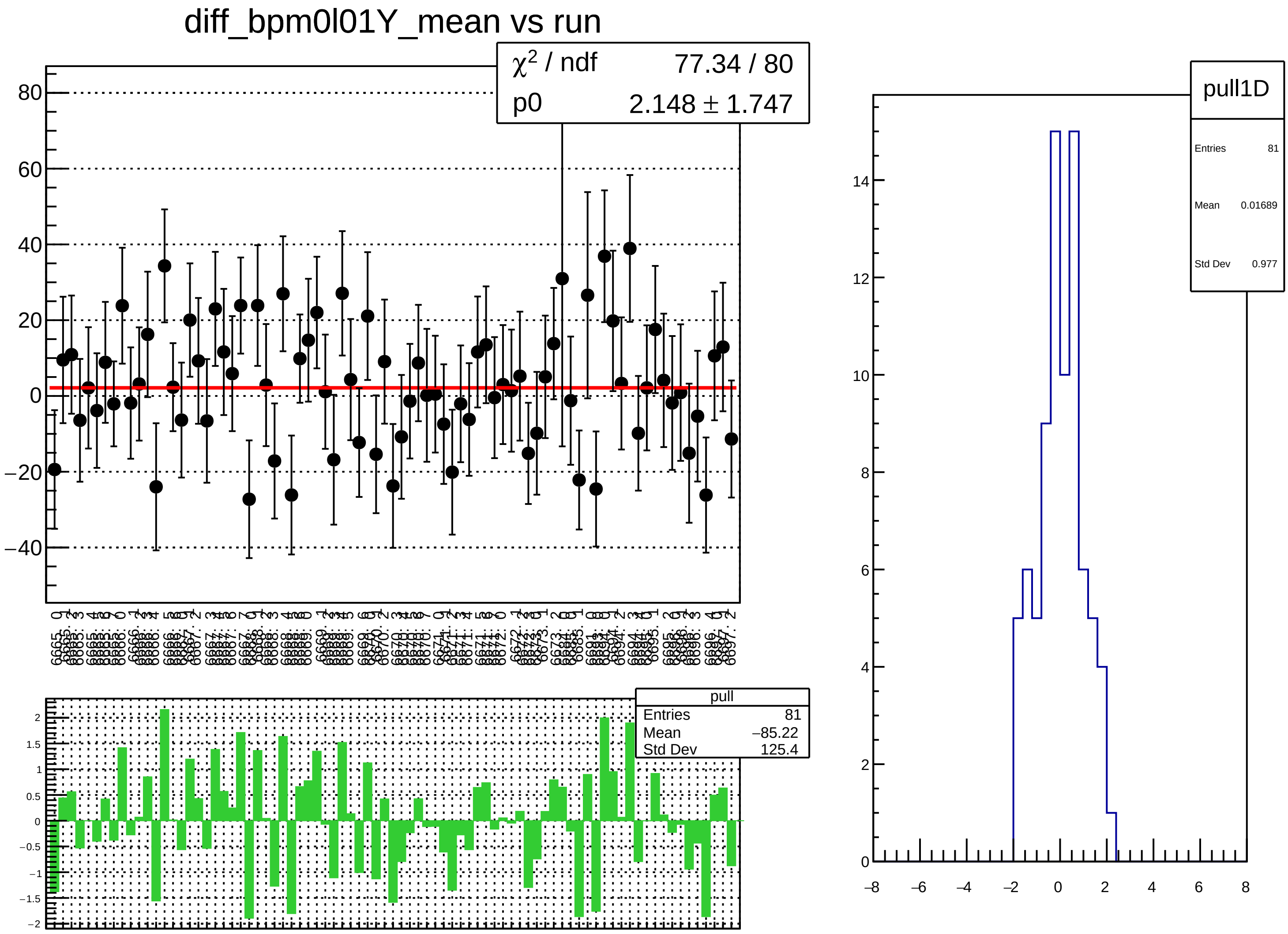
diff_bpm0i01aX_rms vs run
χ² / ndf 8835 / 80
p0 1921 ± 1.552
2200
2100
2000
1900
1800
1700
1600


diff_bpm0i01aY_mean vs run
χ^2 / ndf 100 / 80
p0 12.31 ± 2.06
pull
Entries 81
Mean −592.9
Std Dev 635.4
pull1D
Entries 81
Mean −0.005116
Std Dev 1.111

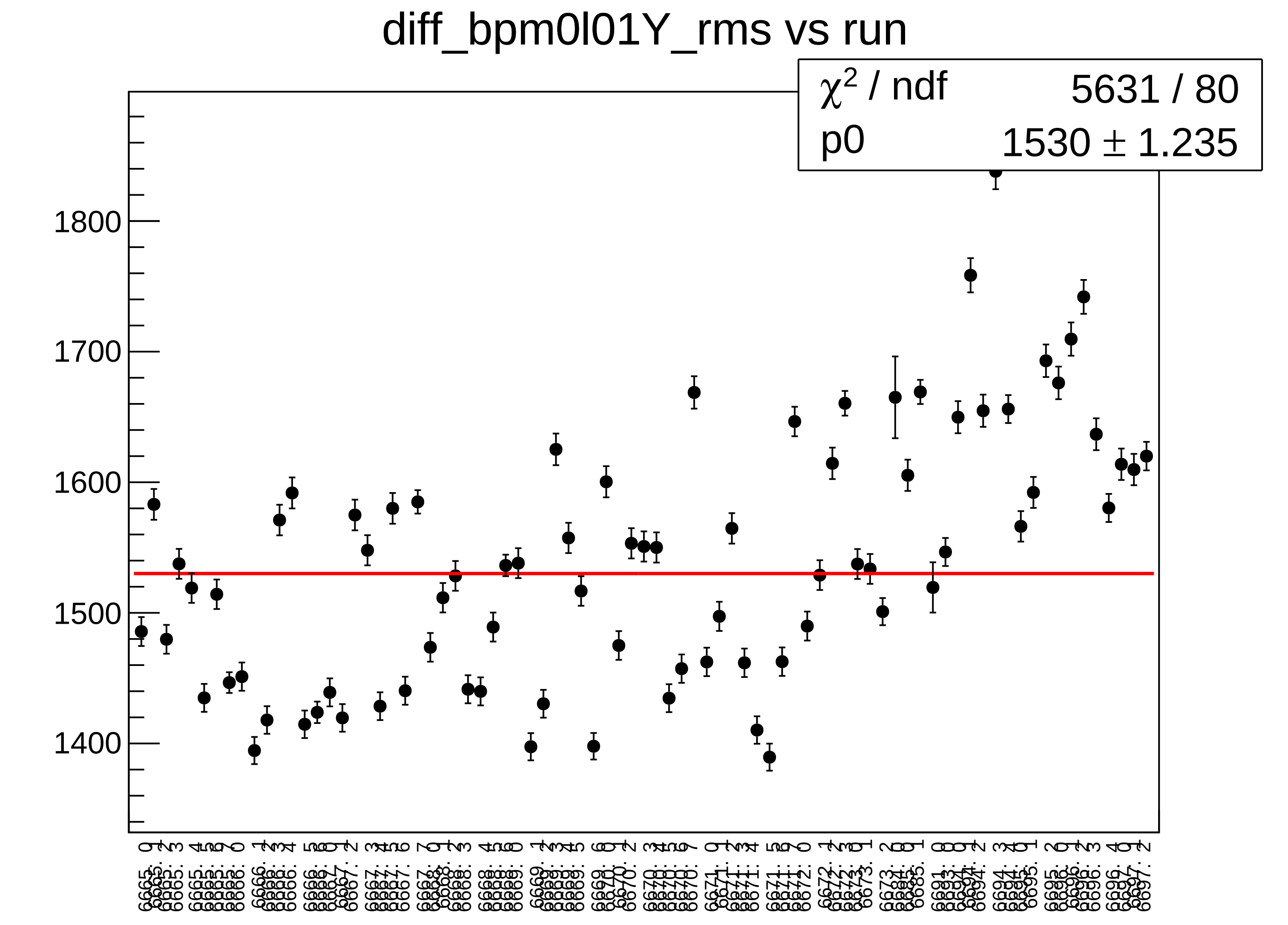

diff_bpm0i01aY_rms vs run
χ^2 / ndf 1694 / 80
p0 1807 ± 1.457
2000
1950
1900
1850
1800
1750
1700
1650
1600

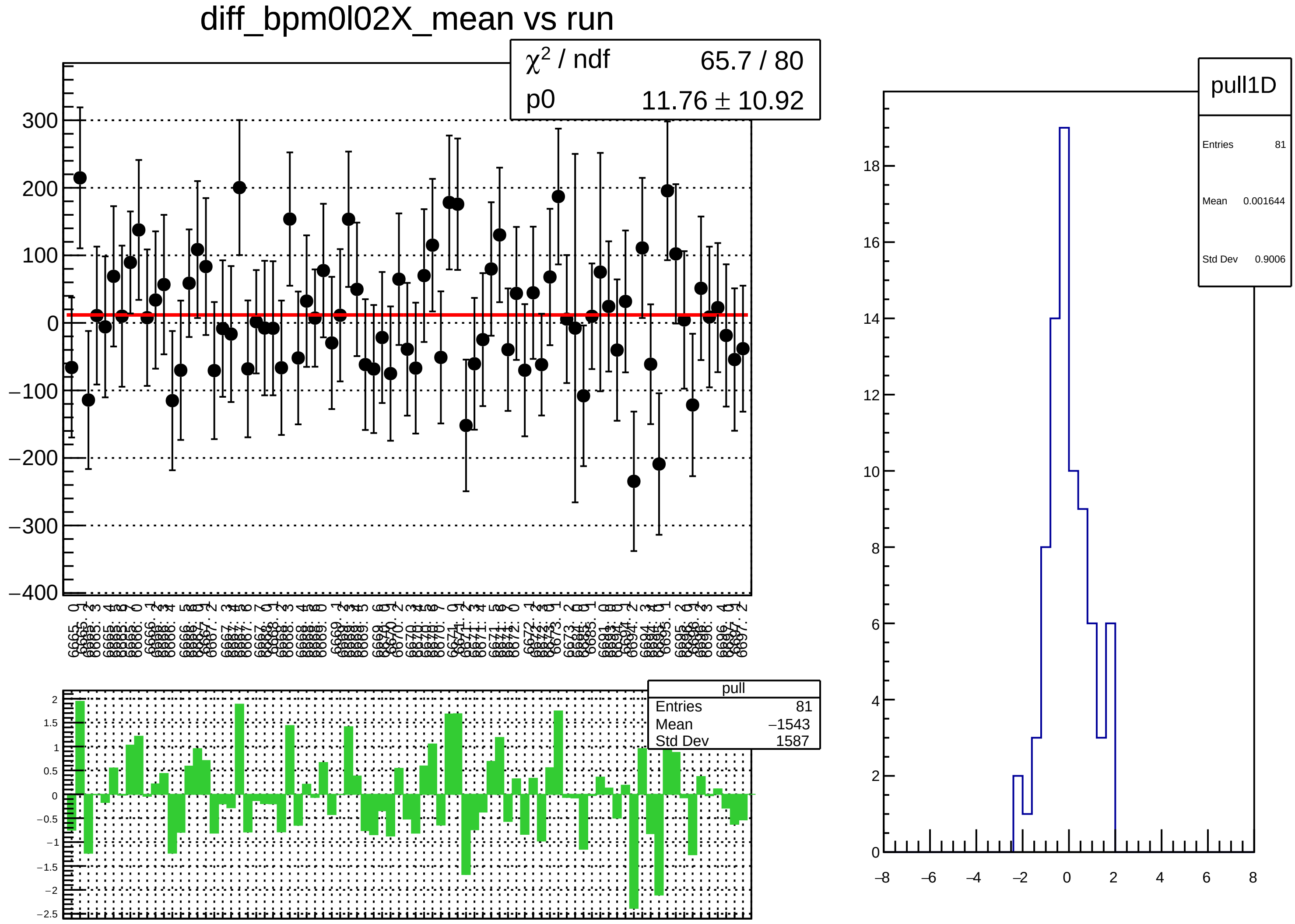

diff_bpm0l01X_mean vs run
χ2 / ndf 62.37 / 80
p0 −2.23 ± 3.353
pull
Entries 81
Mean 610.1
Std Dev 574.4
pull1D
Entries 81
Mean −0.003992
Std Dev 0.8775


diff_bpm0l01X_rms vs run
χ^2 / ndf 930.8 / 80
p0 2942 ± 2.371
3150
3100
3050
3000
2950
2900
2850
2800

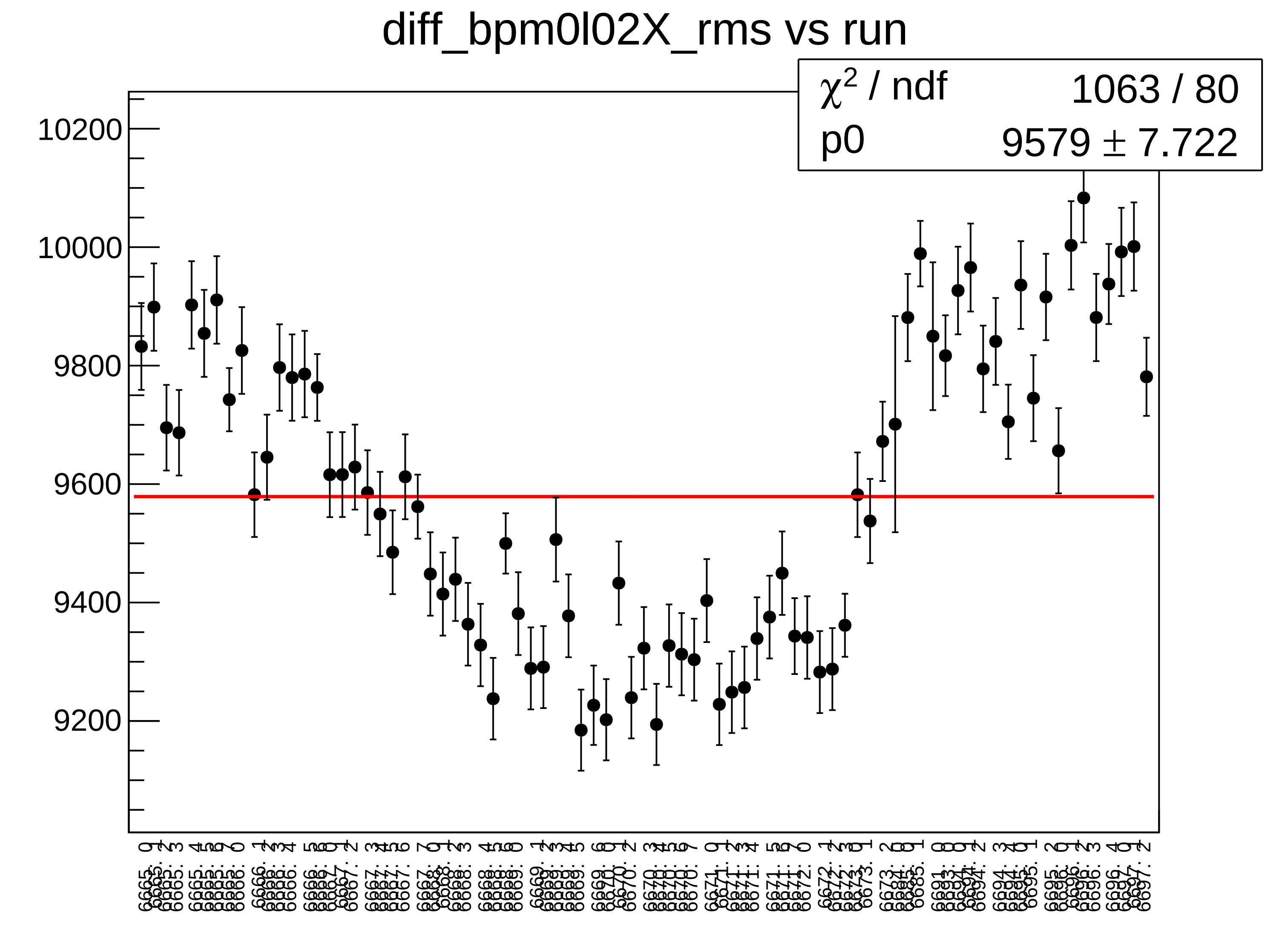


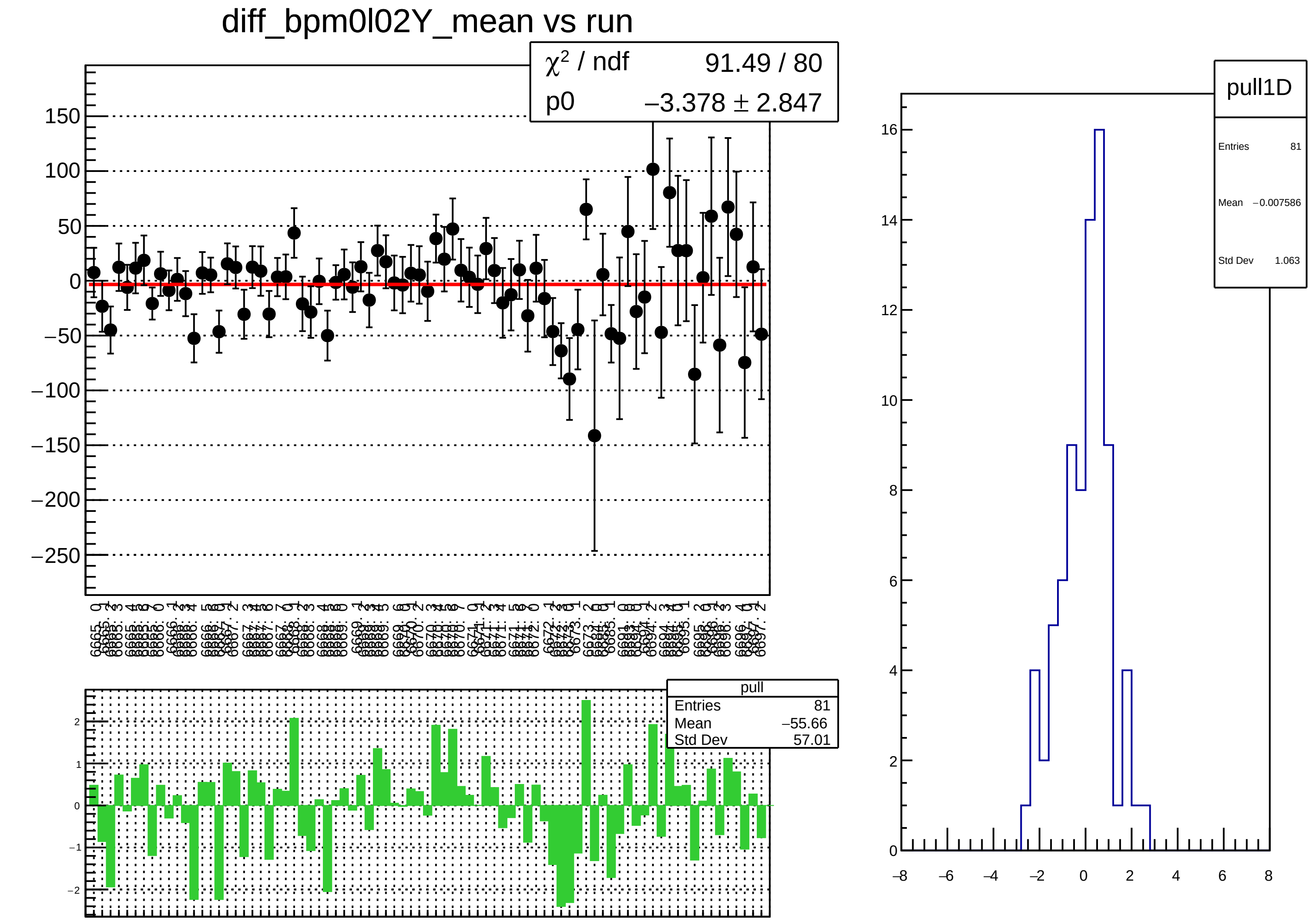
diff_bpm0l01Y_mean vs run
χ^2 / ndf 77.34 / 80
p0 2.148 ± 1.747
pull
Entries 81
Mean −85.22
Std Dev 125.4
pull1D
Entries 81
Mean 0.01689
Std Dev 0.977

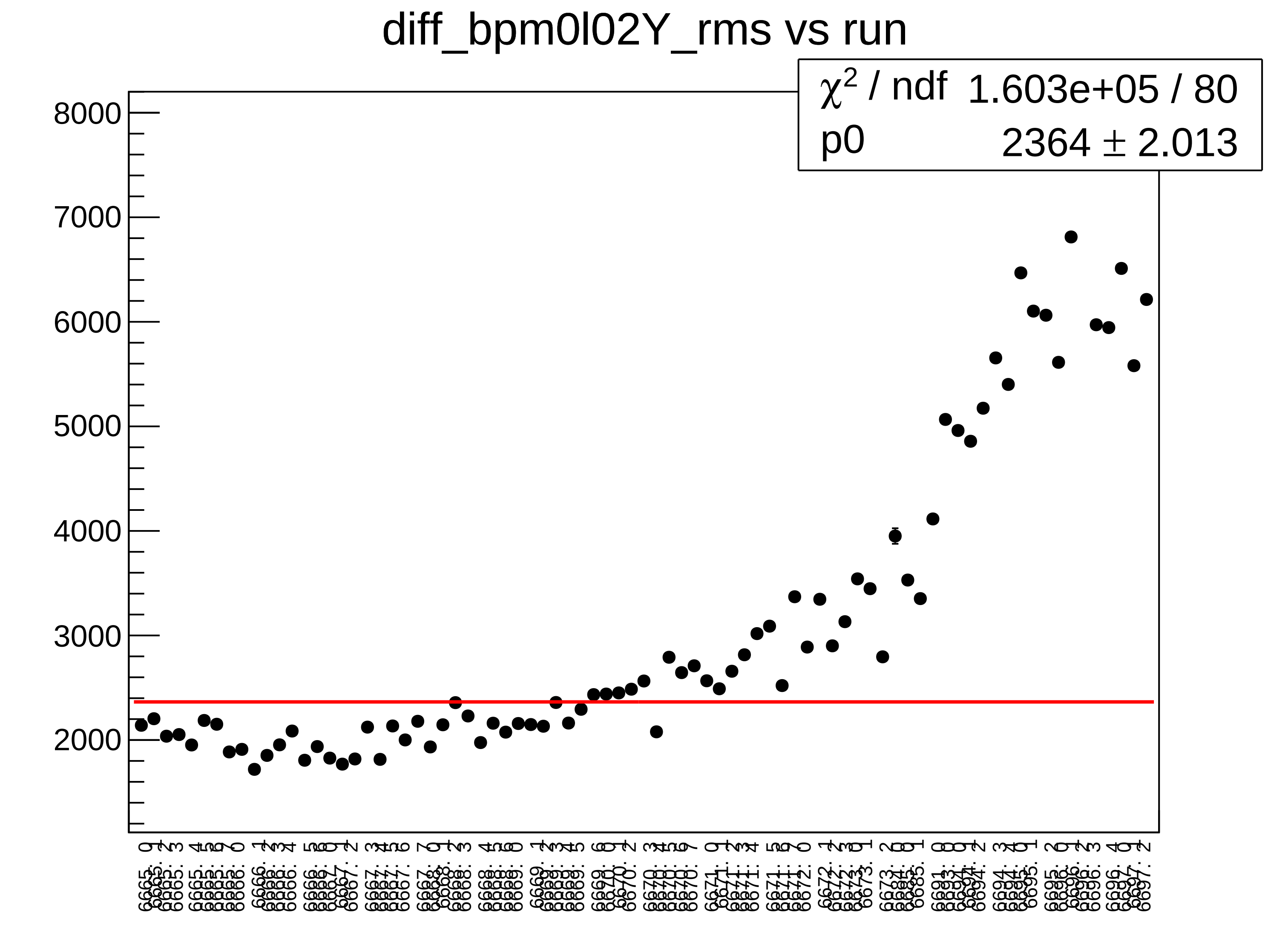

diff_bpm0l01Y_rms vs run
χ2 / ndf 5631 / 80
p0 1530 ± 1.235
1800
1700
1600
1500
1400

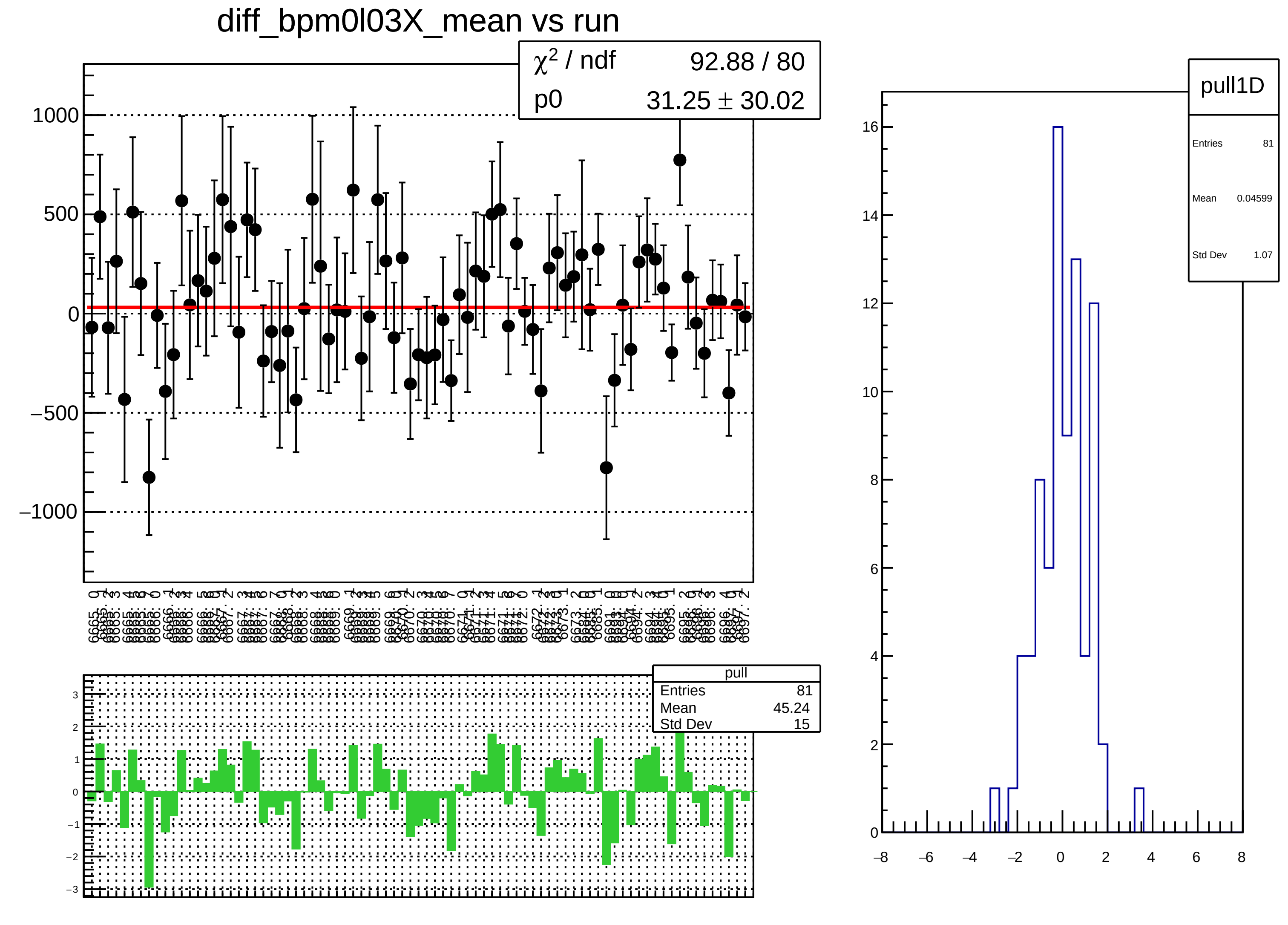


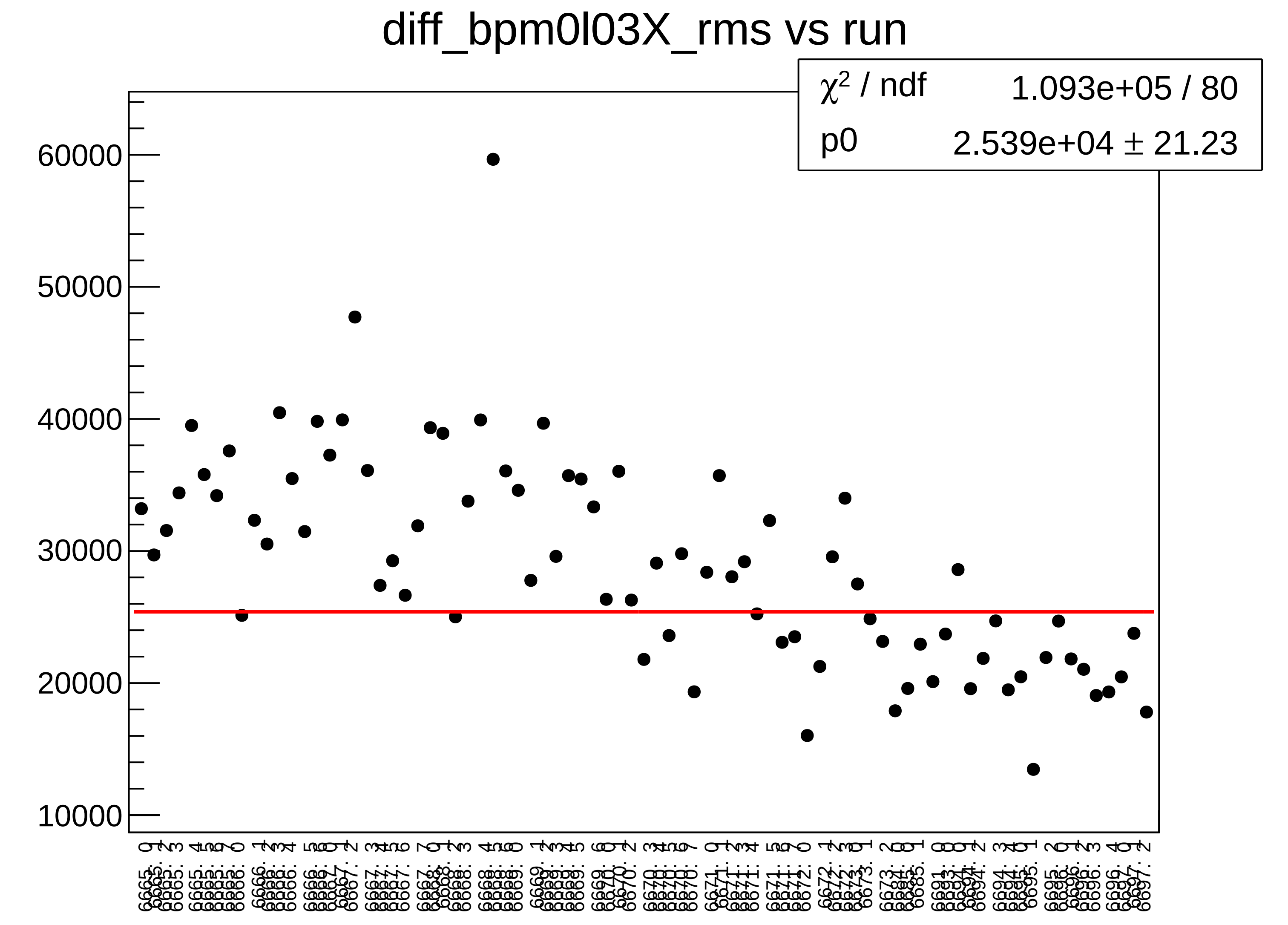
diff_bpm0l02X_mean vs run
χ^2 / ndf 65.7 / 80
p0 11.76 ± 10.92
pull
Entries 81
Mean −1543
Std Dev 1587
pull1D
Entries 81
Mean 0.001644
Std Dev 0.9006


diff_bpm0l02X_rms vs run
χ^2 / ndf 1063 / 80
p0 9579 ± 7.722
10200
10000
9800
9600
9400
9200

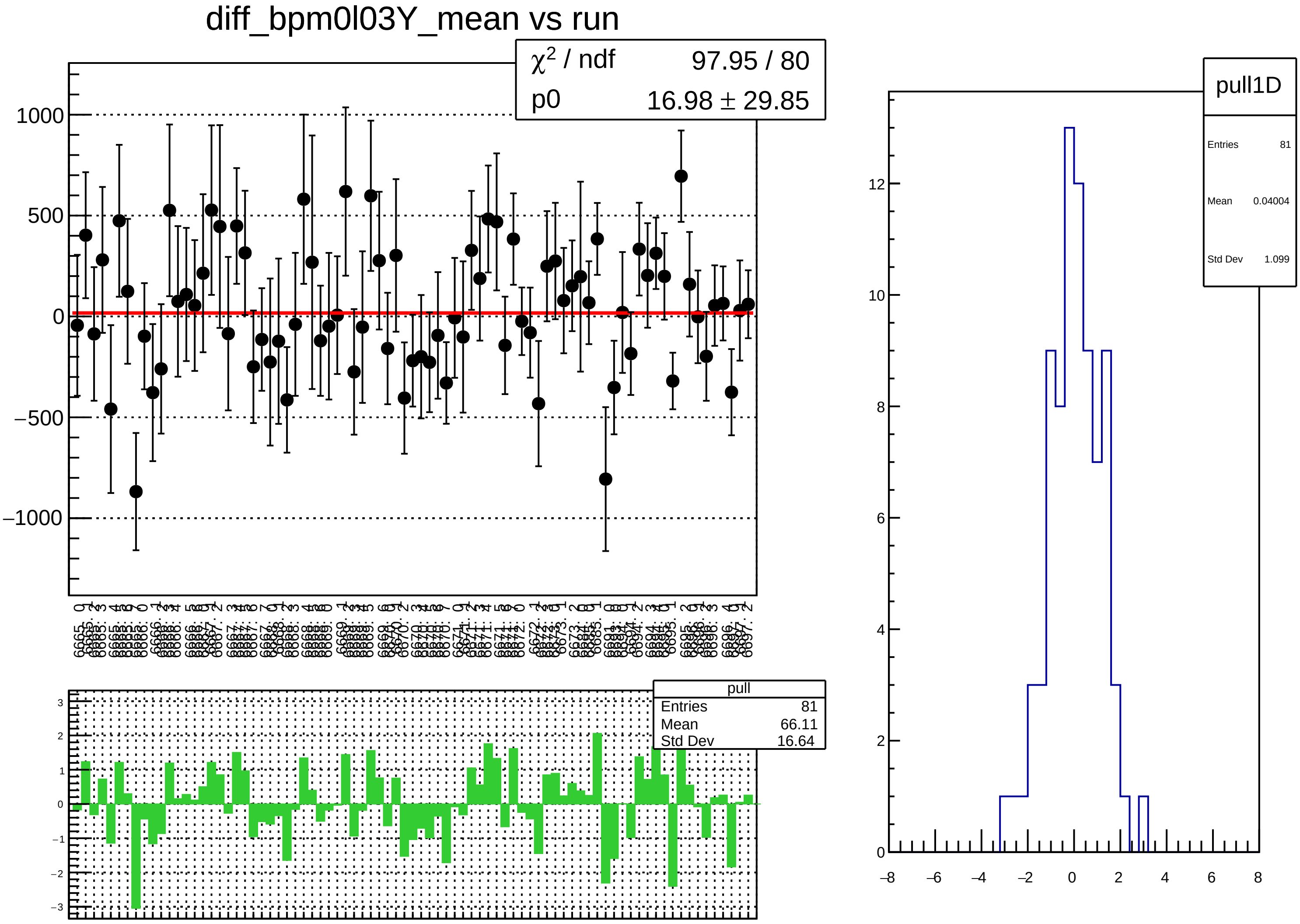

diff_bpm0l02Y_mean vs run
χ2 / ndf 91.49 / 80
p0 −3.378 ± 2.847
pull
Entries 81
Mean −55.66
Std Dev 57.01
pull1D
Entries 81
Mean −0.007586
Std Dev 1.063


diff_bpm0l02Y_rms vs run
χ^2 / ndf 1.603e+05 / 80
p0 2364 ± 2.013
8000
7000
6000
5000
4000
3000
2000

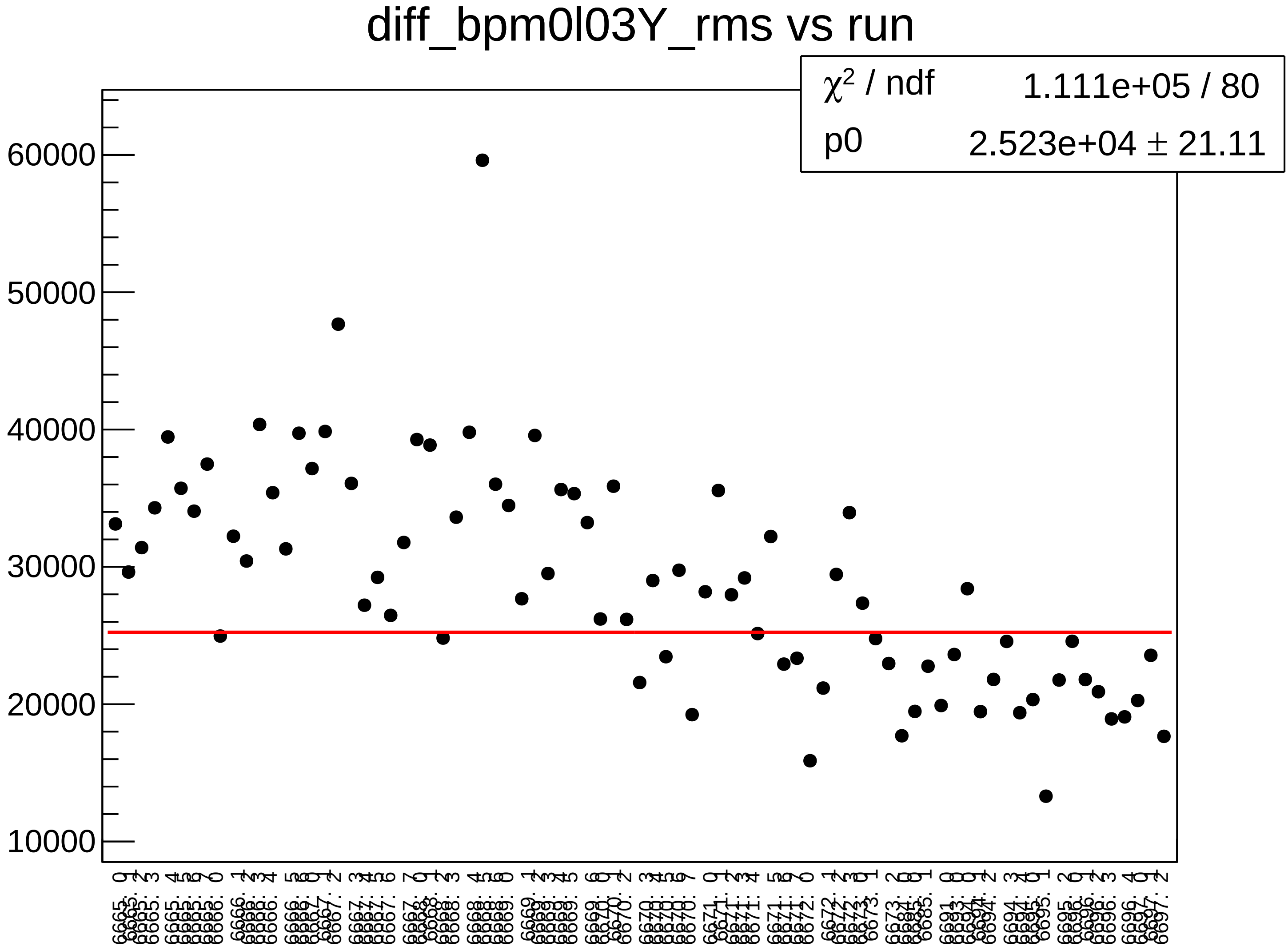

diff_bpm0l03X_mean vs run
χ2 / ndf 92.88 / 80
p0 31.25 ± 30.02
pull
Entries 81
Mean 45.24
Std Dev 15
pull1D
Entries 81
Mean 0.04599
Std Dev 1.07

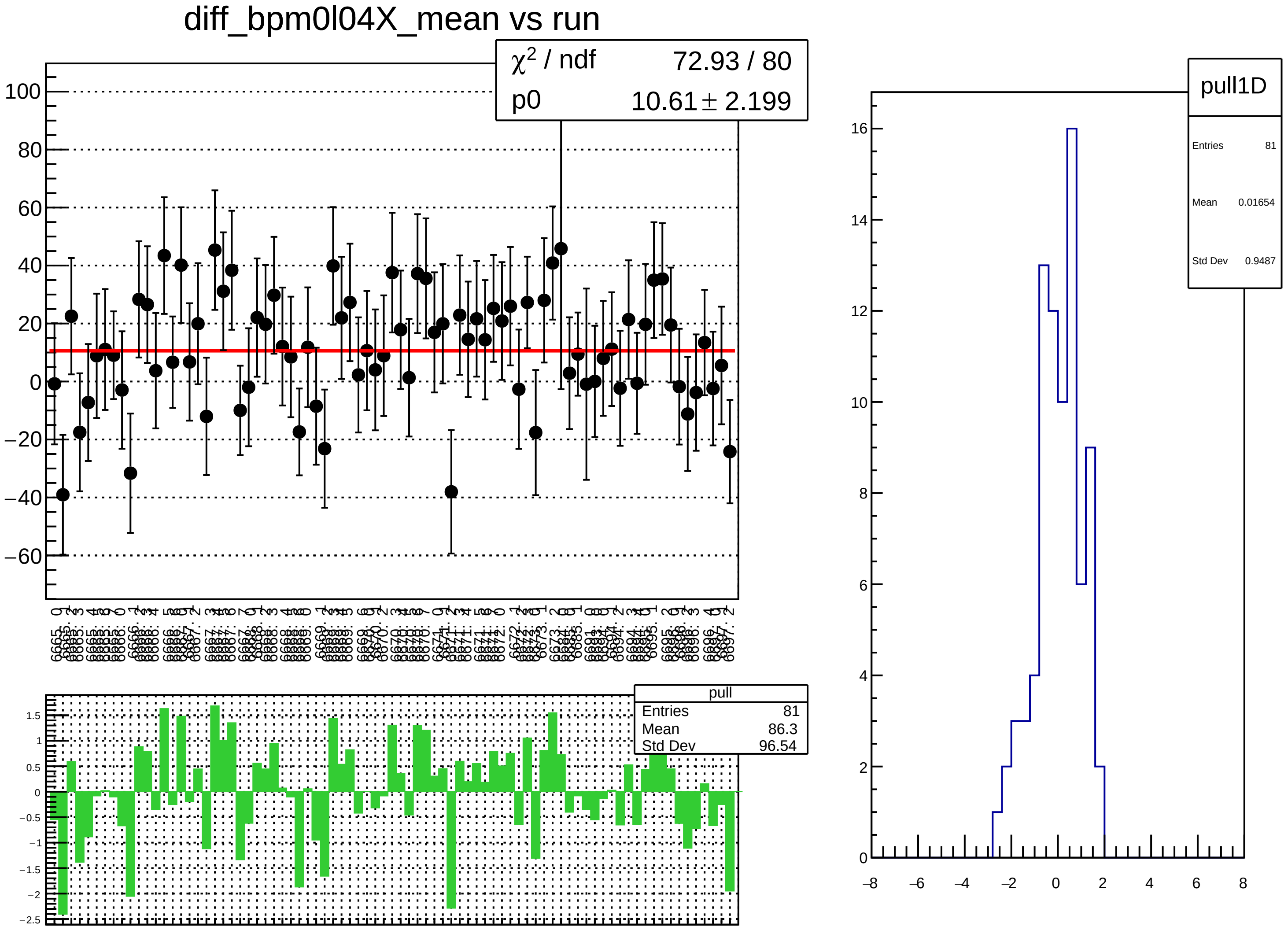


diff_bpm0l03X_rms vs run
χ^2 / ndf 1.093e+05 / 80
p0 2.539e+04 ± 21.23
60000
50000
40000
30000
20000
10000

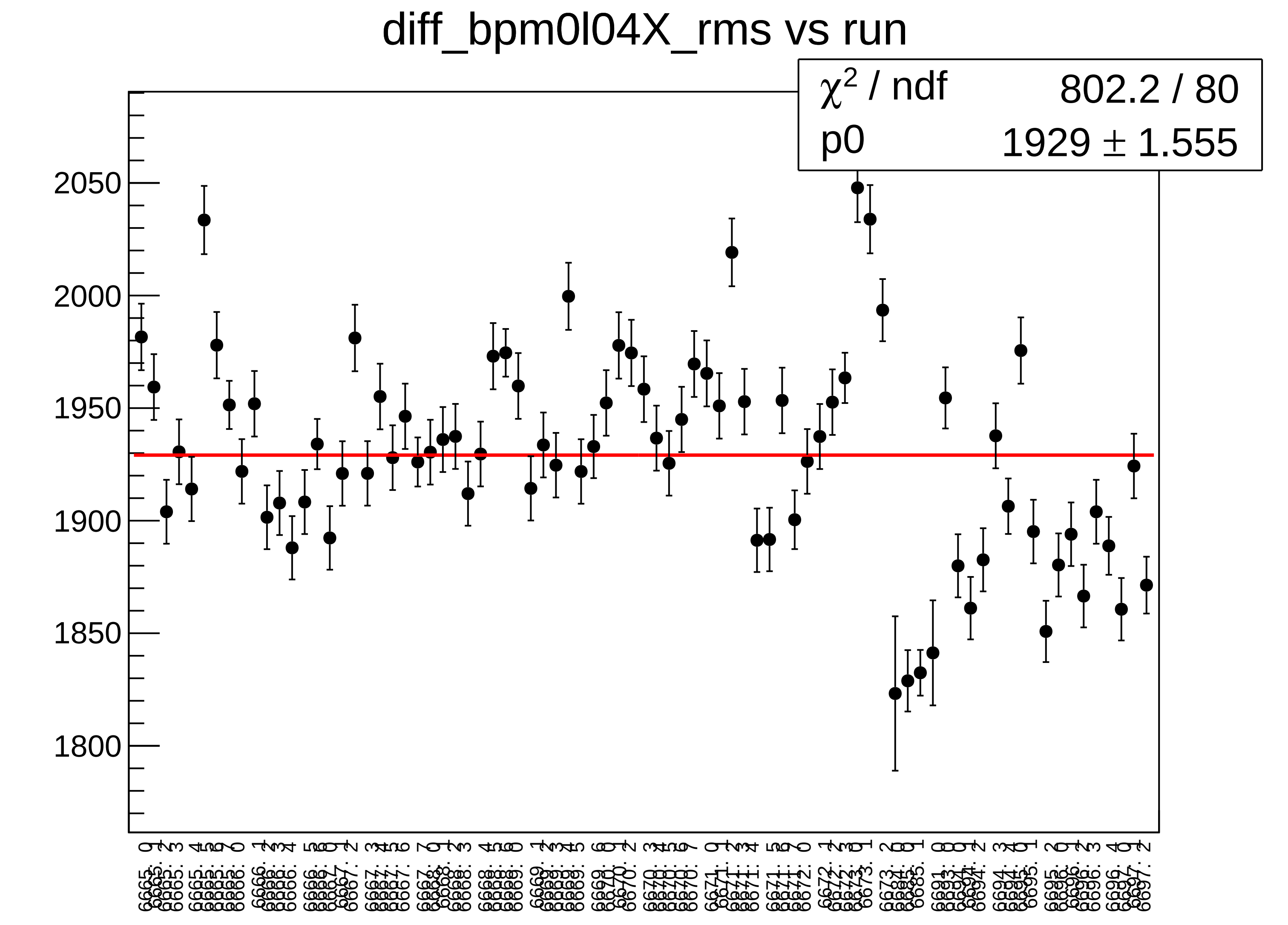


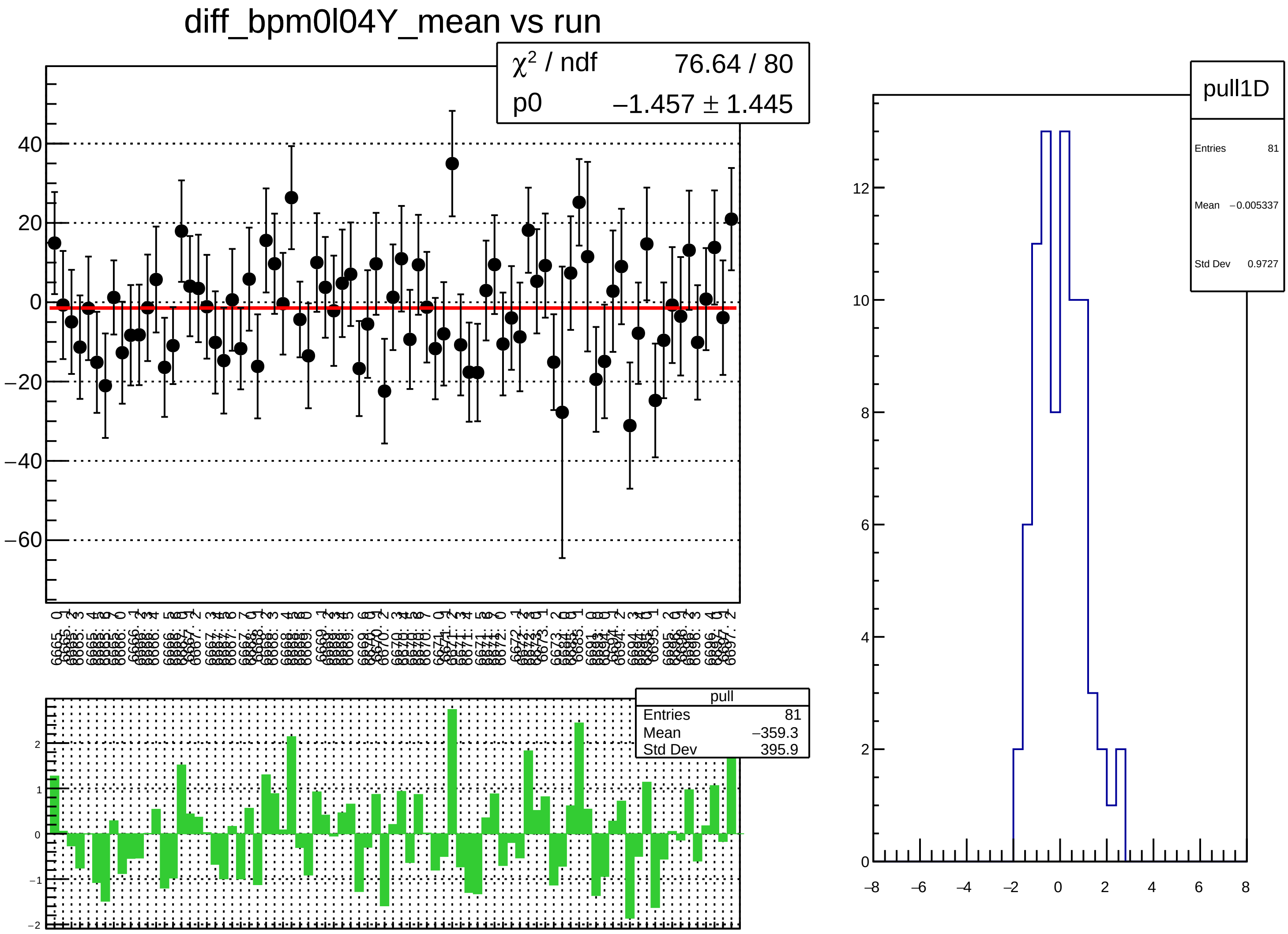
diff_bpm0l03Y_mean vs run
χ^2 / ndf 97.95 / 80
p0 16.98 ± 29.85
1000
500
0
−500
−1000
pull
Entries 81
Mean 66.11
Std Dev 16.64
3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.04004
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

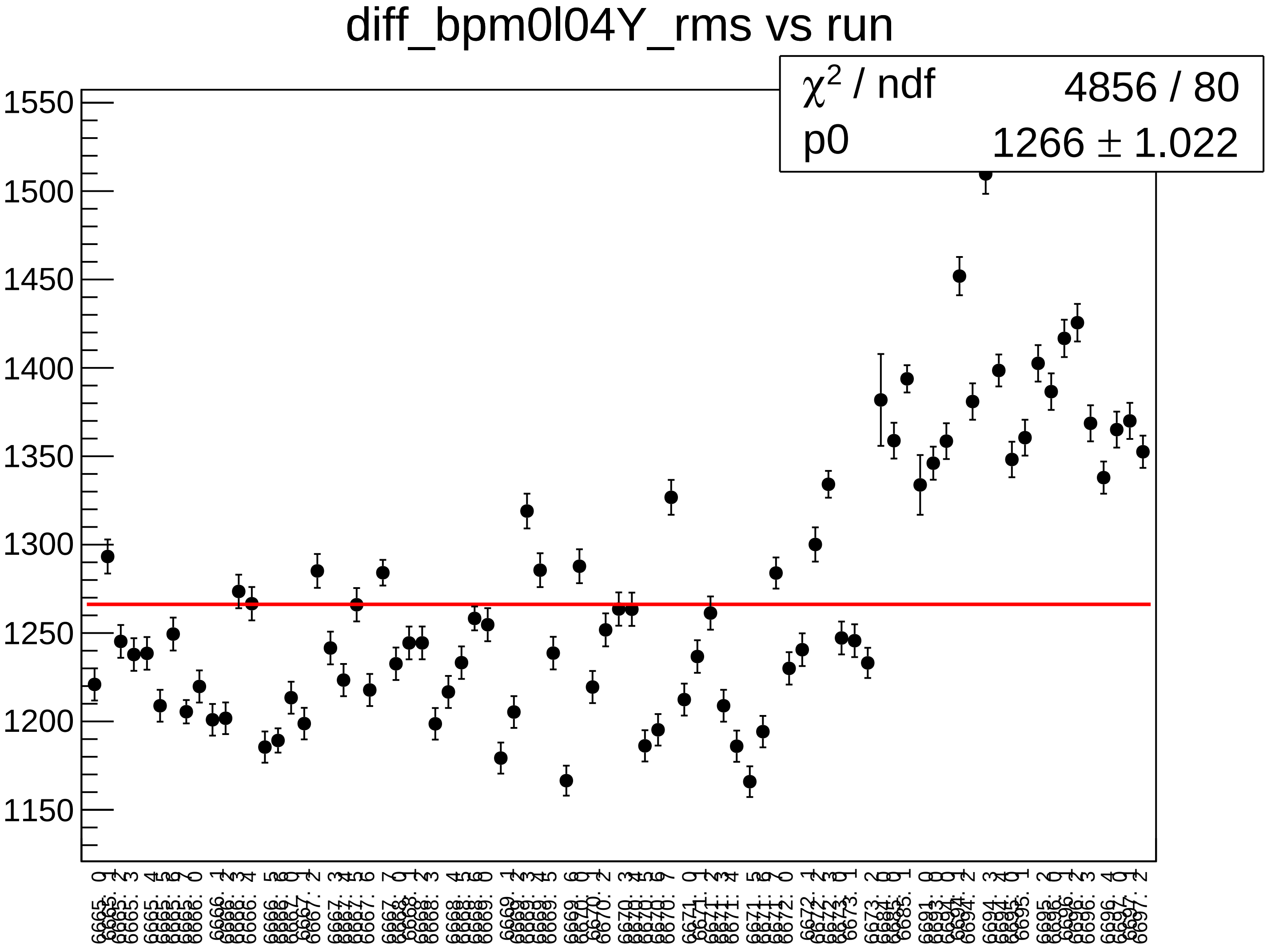

diff_bpm0l03Y_rms vs run
χ^2 / ndf 1.111e+05 / 80
p0 2.523e+04 ± 21.11
60000
50000
40000
30000
20000
10000

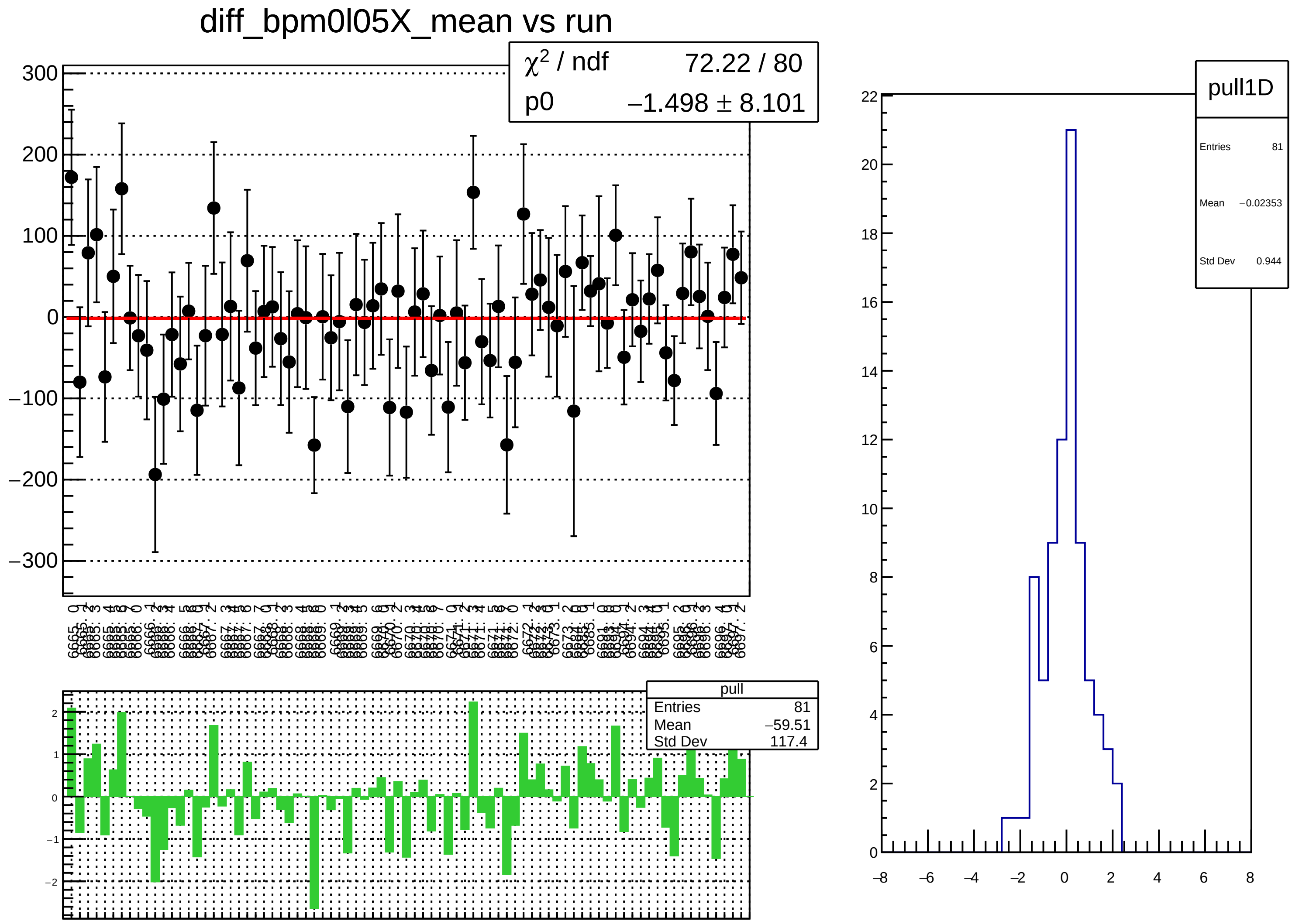


diff_bpm0l04X_mean vs run
χ^2 / ndf 72.93 / 80
p0 10.61 ± 2.199
pull
Entries 81
Mean 86.3
Std Dev 96.54
pull1D
Entries 81
Mean 0.01654
Std Dev 0.9487

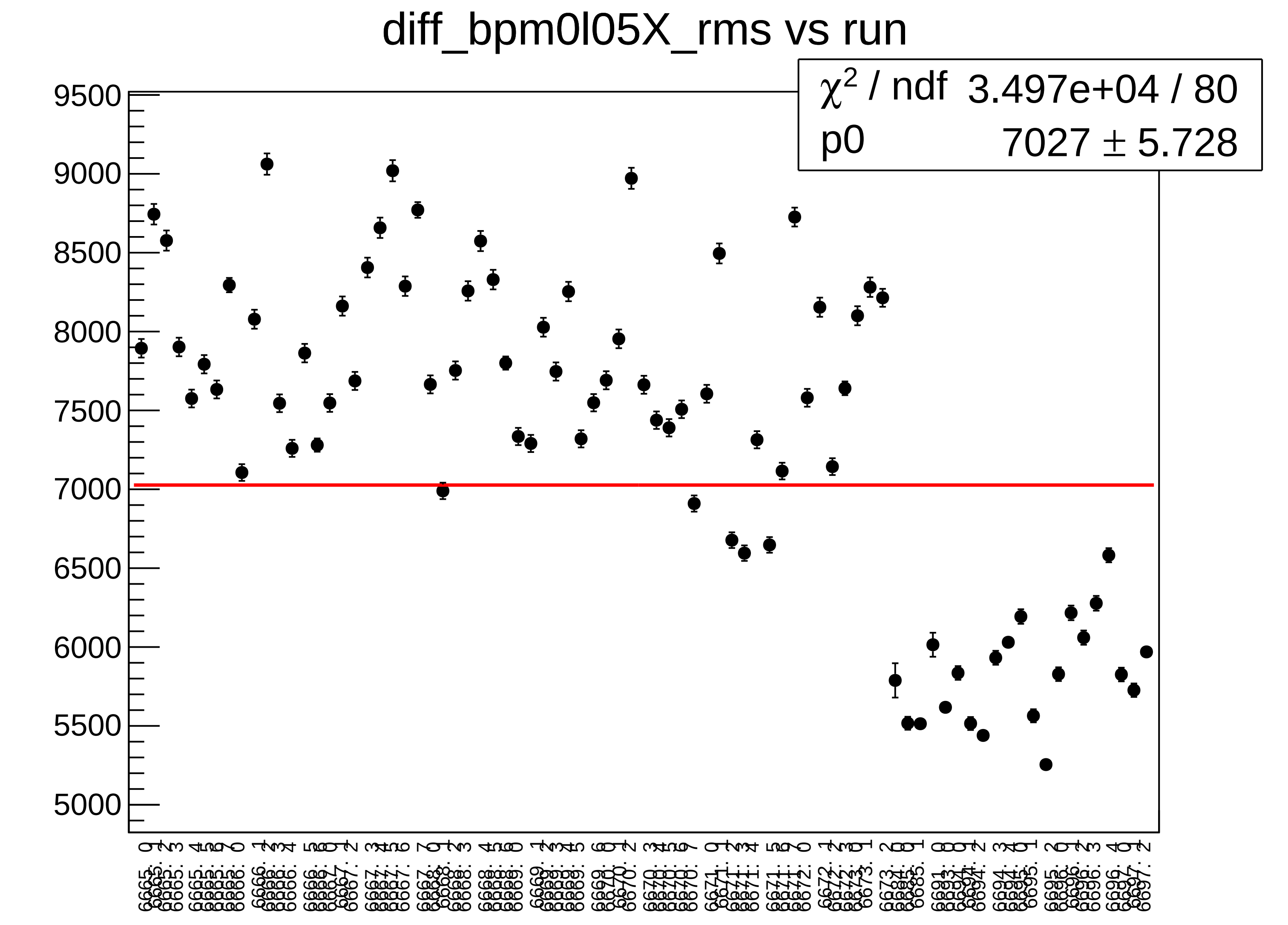

diff_bpm0I04X_rms vs run
χ^2 / ndf 802.2 / 80
p0 1929 ± 1.555
2050
2000
1950
1900
1850
1800


diff_bpm0l04Y_mean vs run
χ^2 / ndf 76.64 / 80
p0 −1.457 ± 1.445
pull
Entries 81
Mean −359.3
Std Dev 395.9
pull1D
Entries 81
Mean −0.005337
Std Dev 0.9727

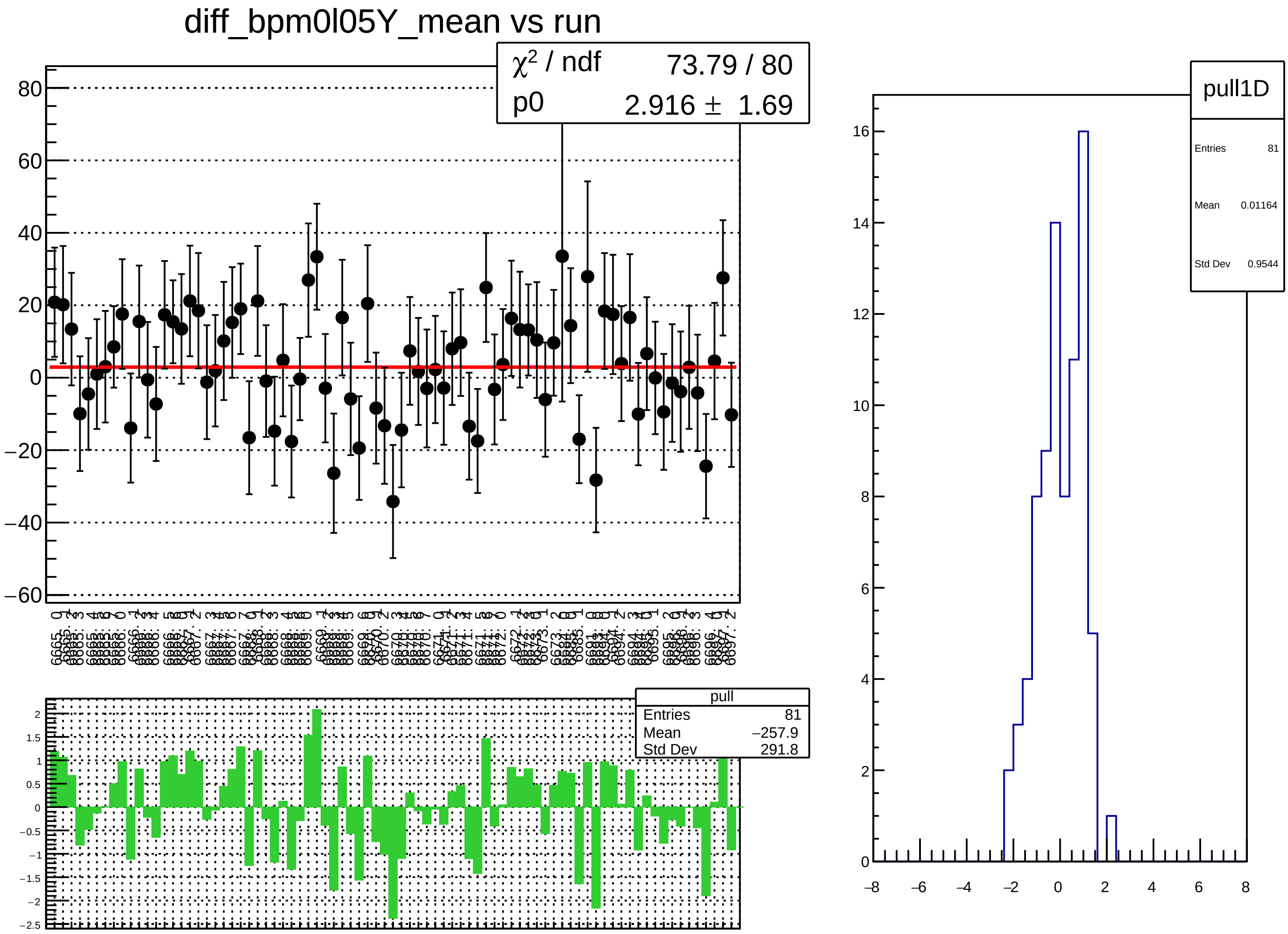

diff_bpm0l04Y_rms vs run
χ^2 / ndf 4856 / 80
p0 1266 ± 1.022
1550
1500
1450
1400
1350
1300
1250
1200
1150



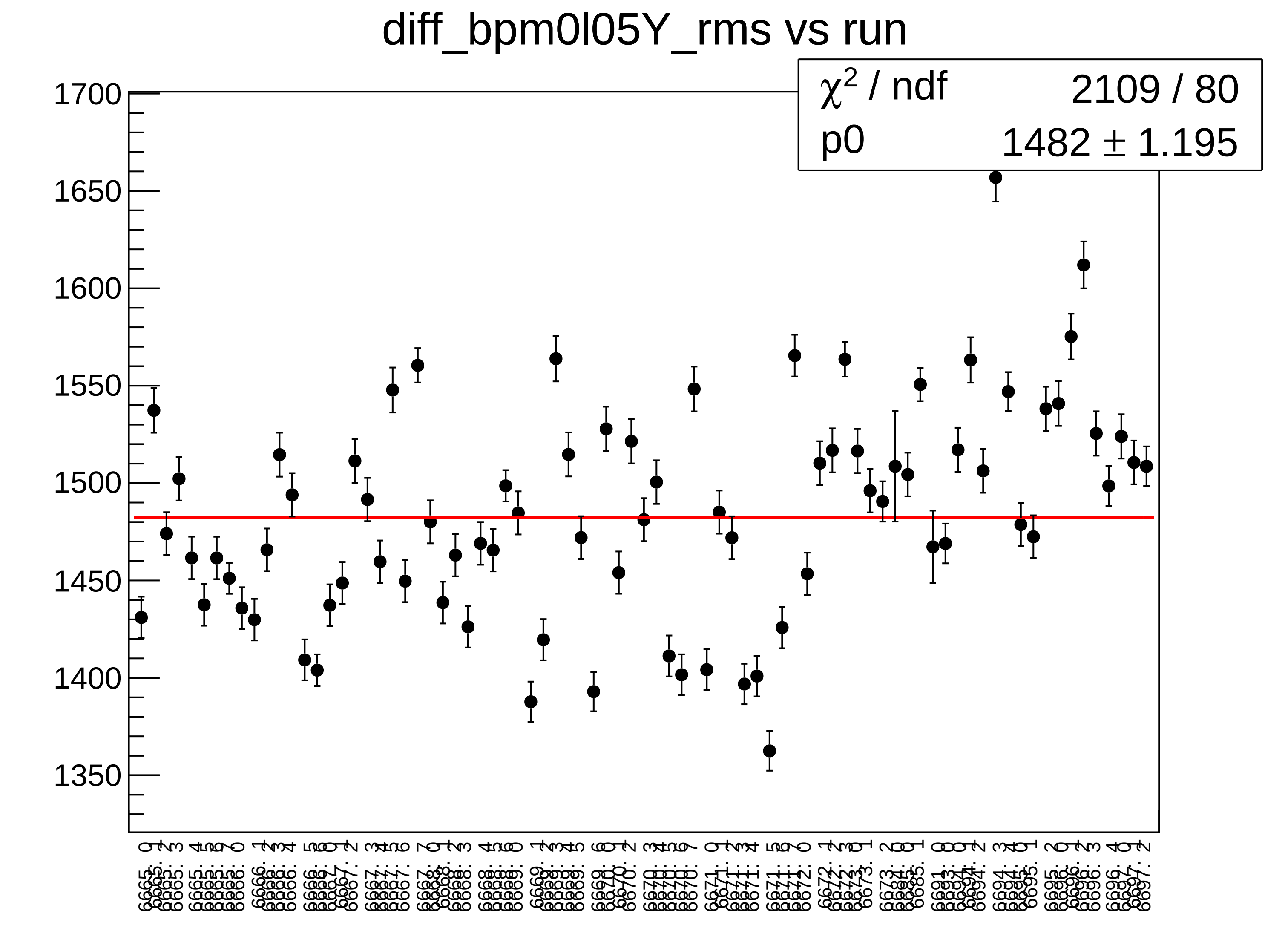
diff_bpm0l05X_mean vs run
χ^2 / ndf 72.22 / 80
p0 −1.498 ± 8.101
pull
Entries 81
Mean −59.51
Std Dev 117.4
pull1D
Entries 81
Mean −0.02353
Std Dev 0.944



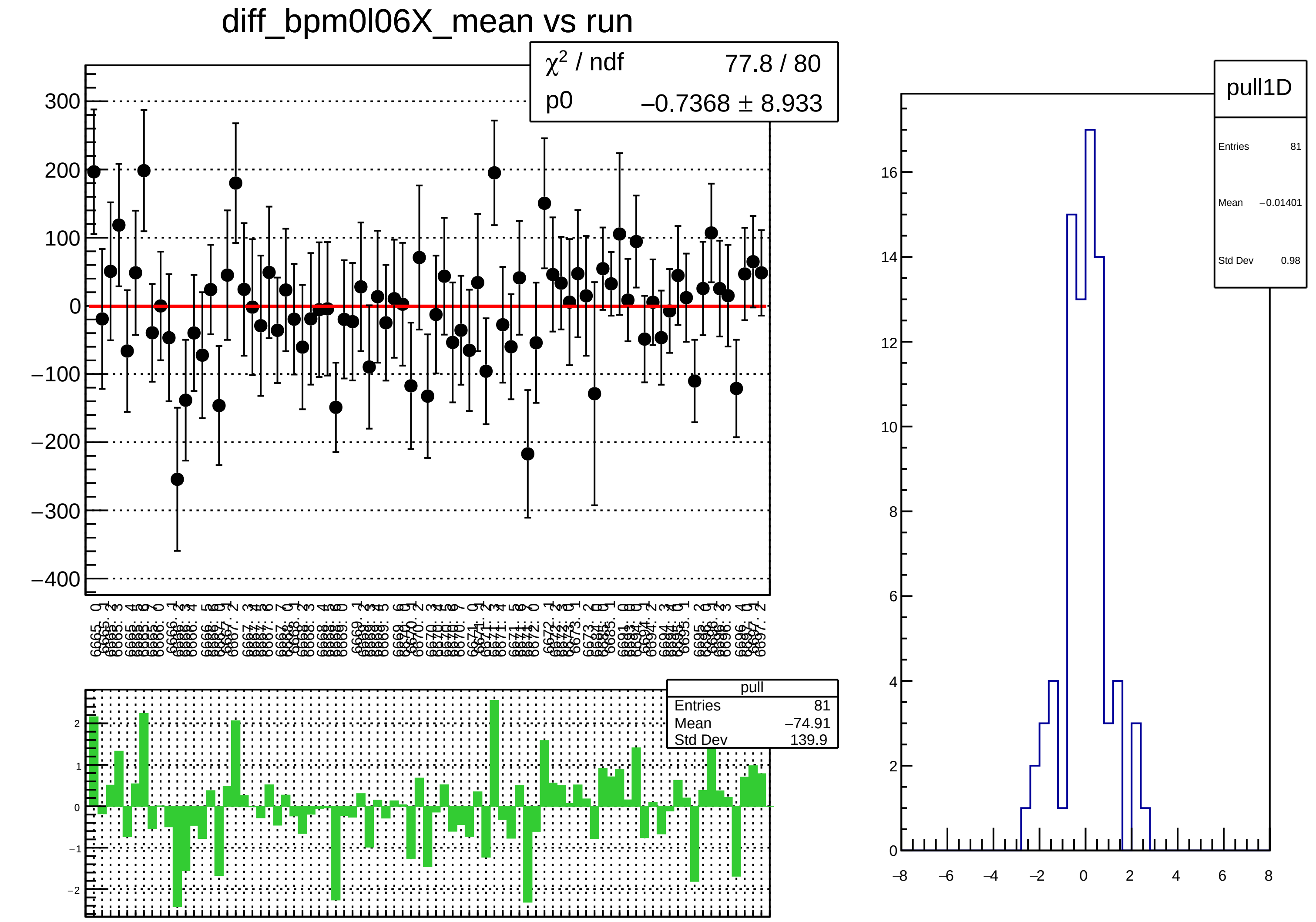
diff_bpm0l05X_rms vs run
χ^2 / ndf 3.497e+04 / 80
p0 7027 ± 5.728
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000



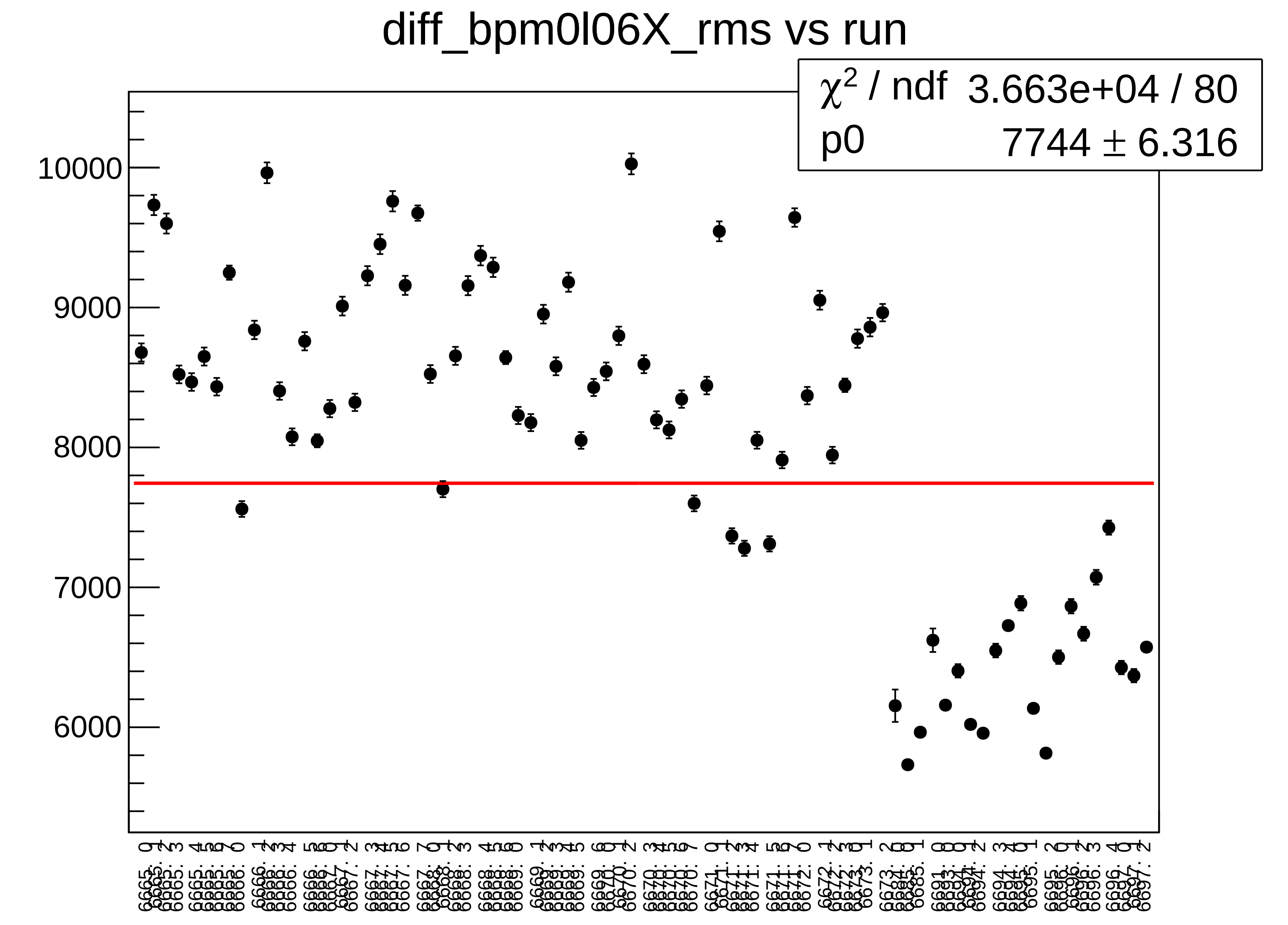
diff_bpm0l05Y_mean vs run
χ^2 / ndf 73.79 / 80
p0 2.916 ± 1.69
pull
Entries 81
Mean −257.9
Std Dev 291.8
pull1D
Entries 81
Mean 0.01164
Std Dev 0.9544



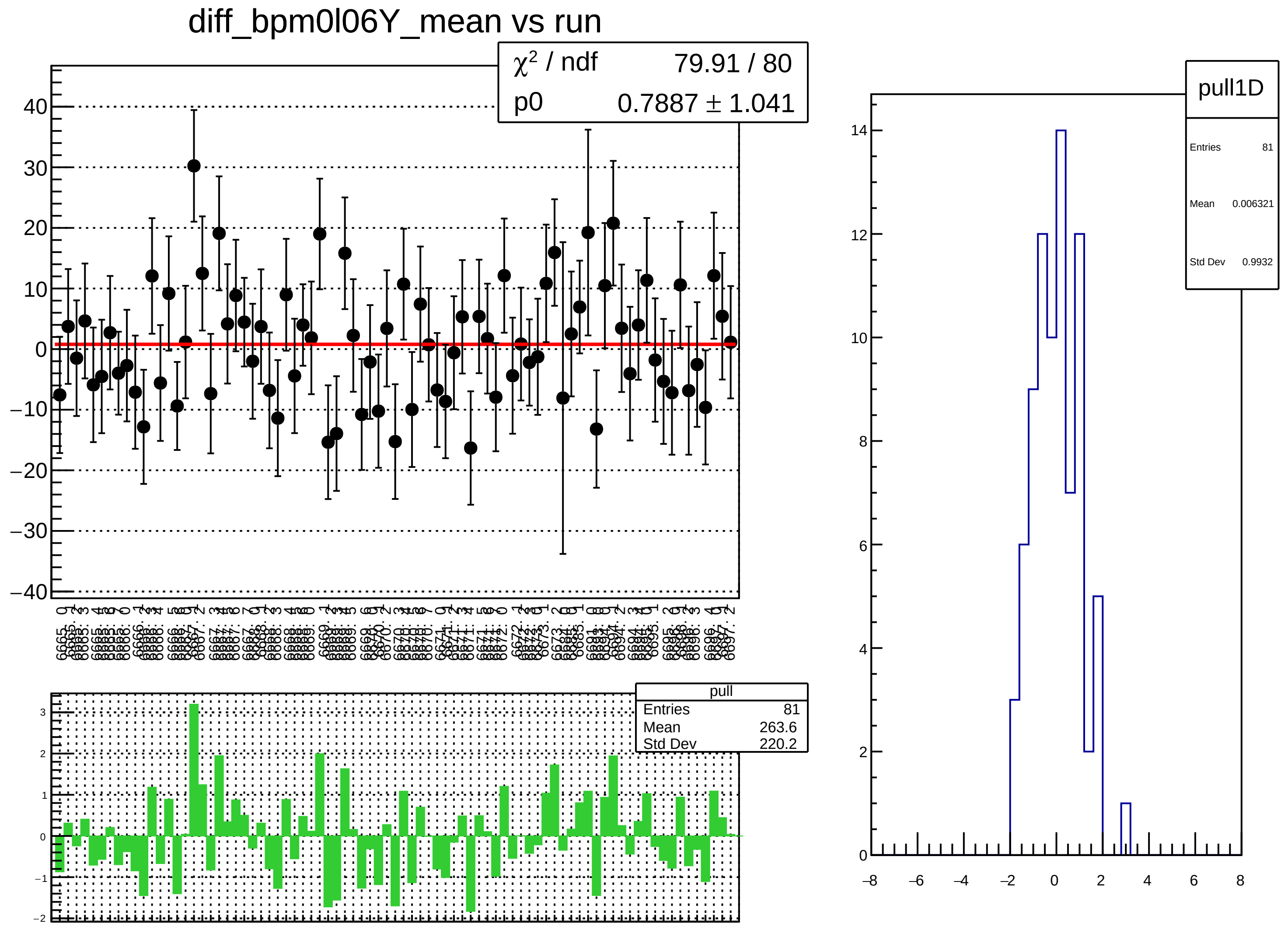
diff_bpm0l05Y_rms vs run
χ² / ndf 2109 / 80
p0 1482 ± 1.195
1700
1650
1600
1550
1500
1450
1400
1350

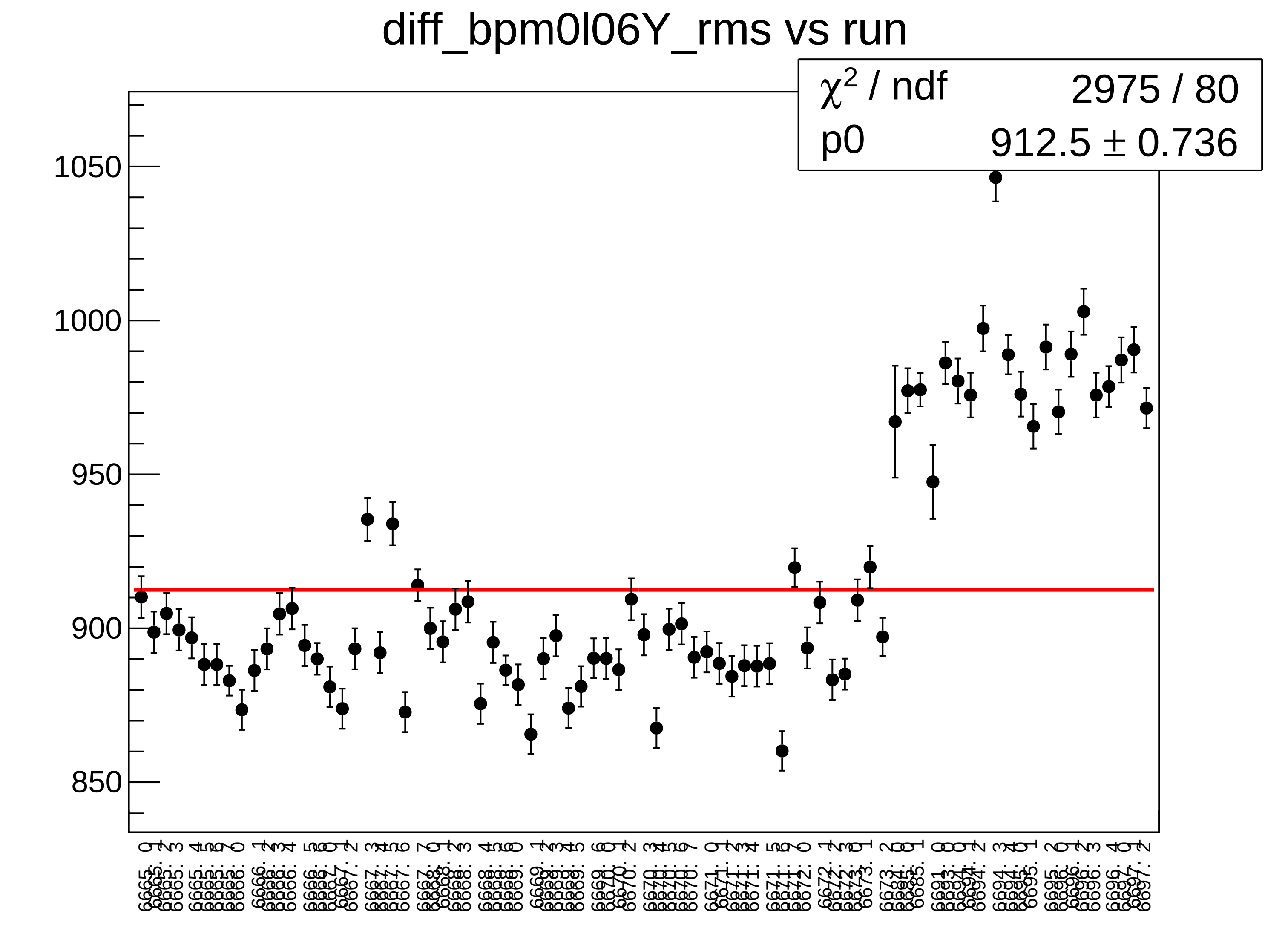


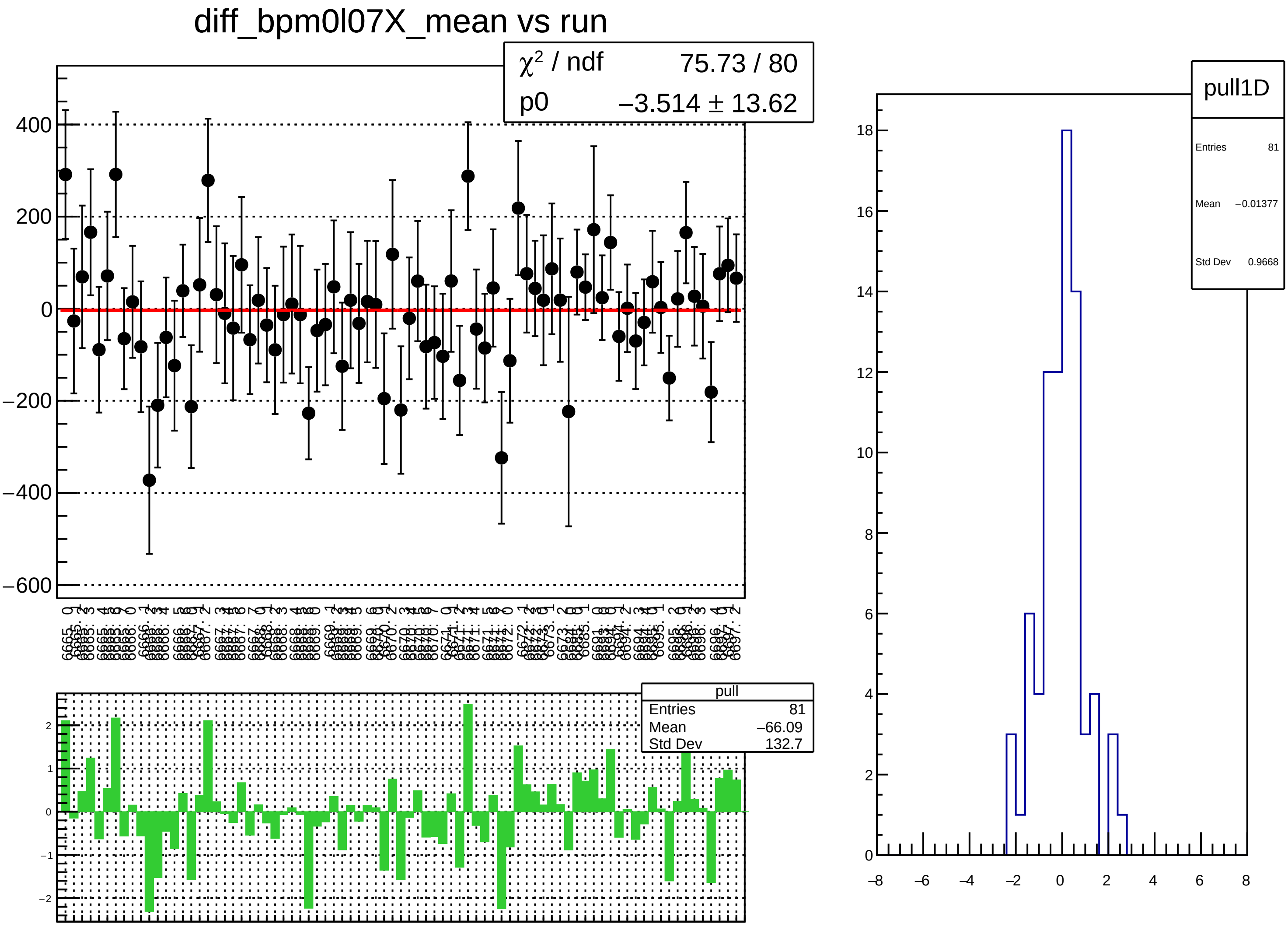
diff_bpm0l06X_mean vs run
χ^2 / ndf 77.8 / 80
p0 −0.7368 ± 8.933
300
200
100
0
−100
−200
−300
−400
pull
Entries 81
Mean −74.91
Std Dev 139.9
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01401
Std Dev 0.98
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



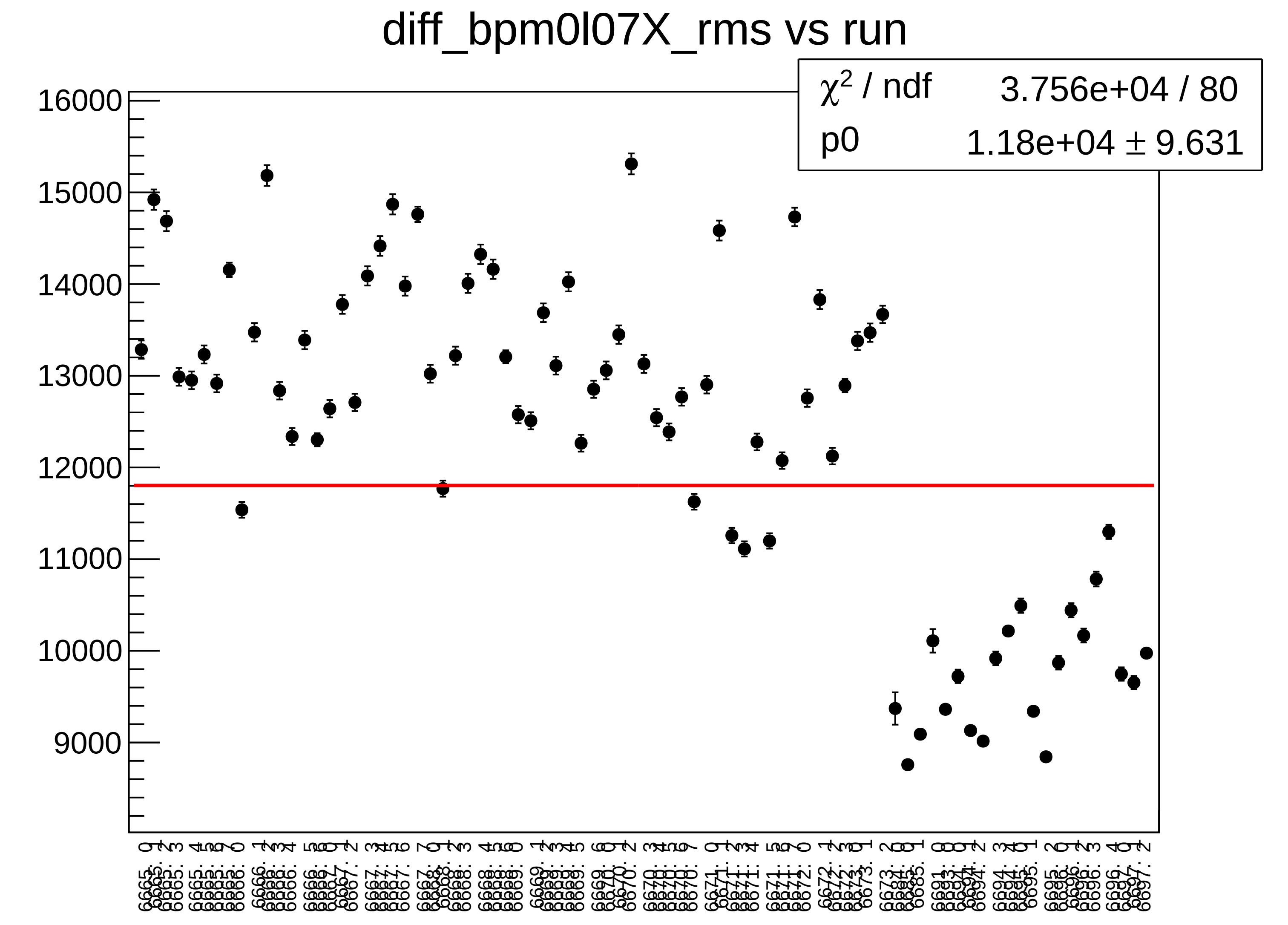
diff_bpm0l06X_rms vs run
χ2 / ndf 3.663e+04 / 80
p0 7744 ± 6.316
10000
9000
8000
7000
6000

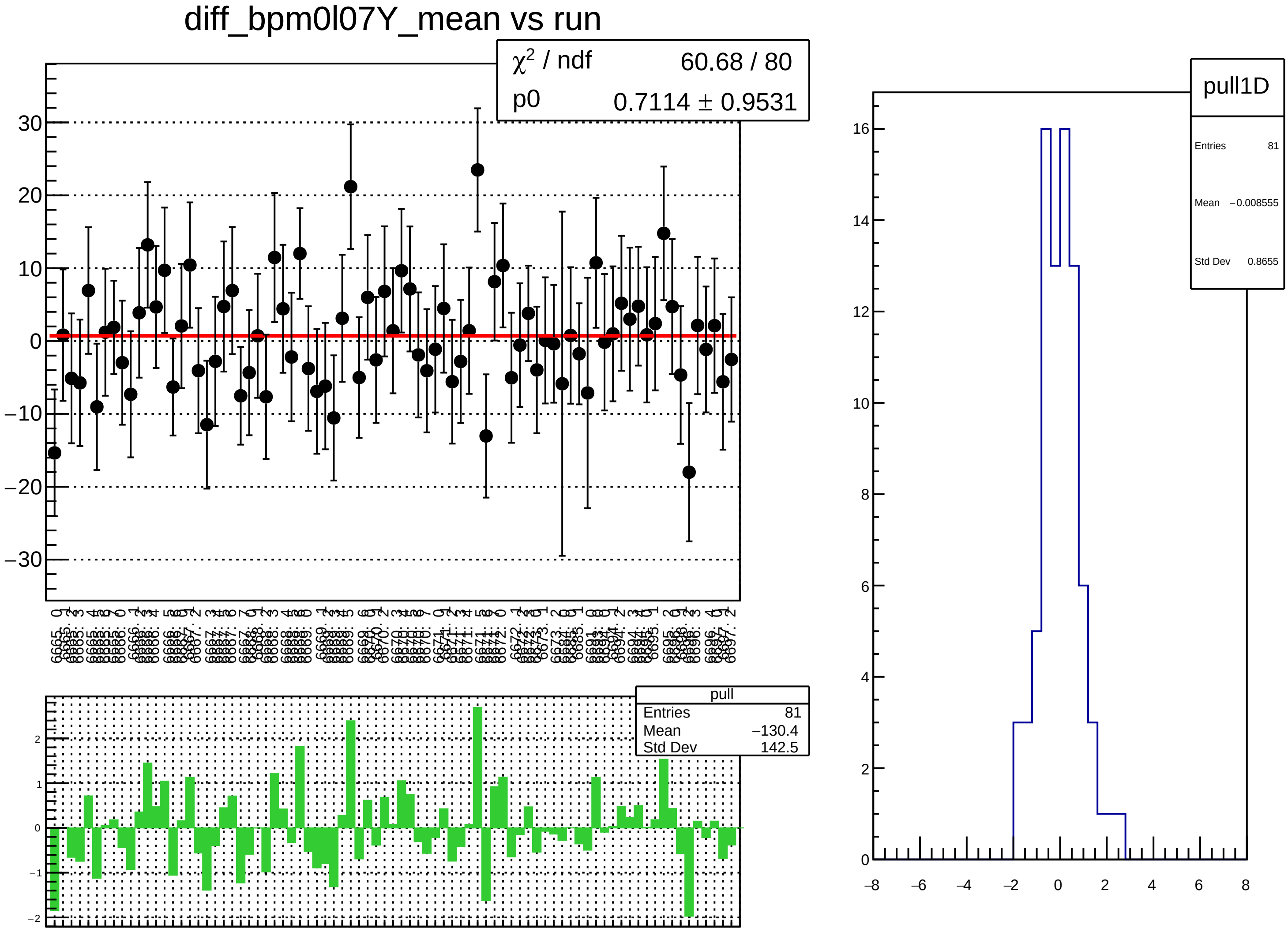

diff_bpm0l06Y_mean vs run
χ^2 / ndf 79.91 / 80
p0 0.7887 ± 1.041
pull
Entries 81
Mean 263.6
Std Dev 220.2
pull1D
Entries 81
Mean 0.006321
Std Dev 0.9932

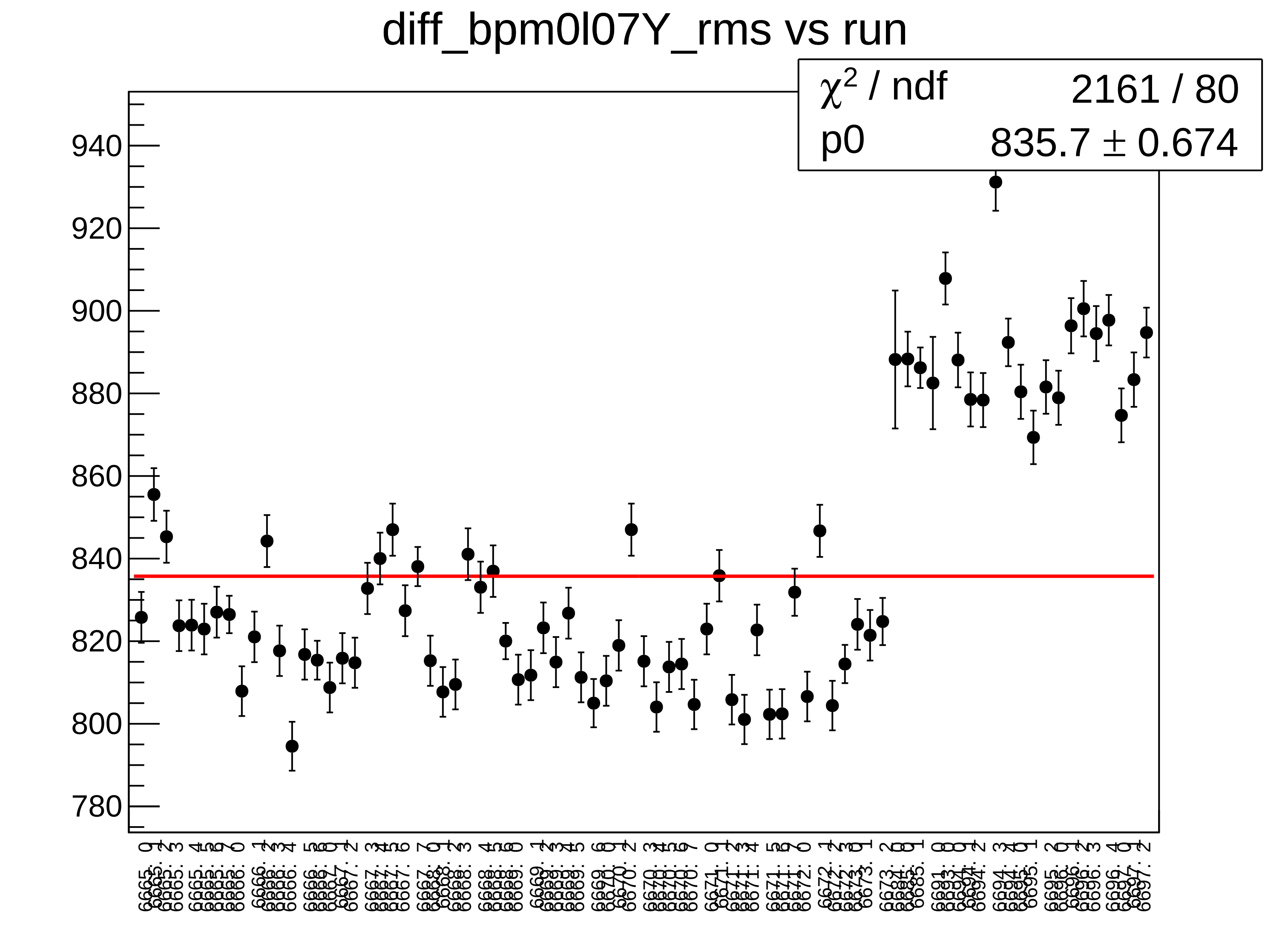

diff_bpm0l06Y_rms vs run
χ2 / ndf 2975 / 80
p0 912.5 ± 0.736
1050
1000
950
900
850



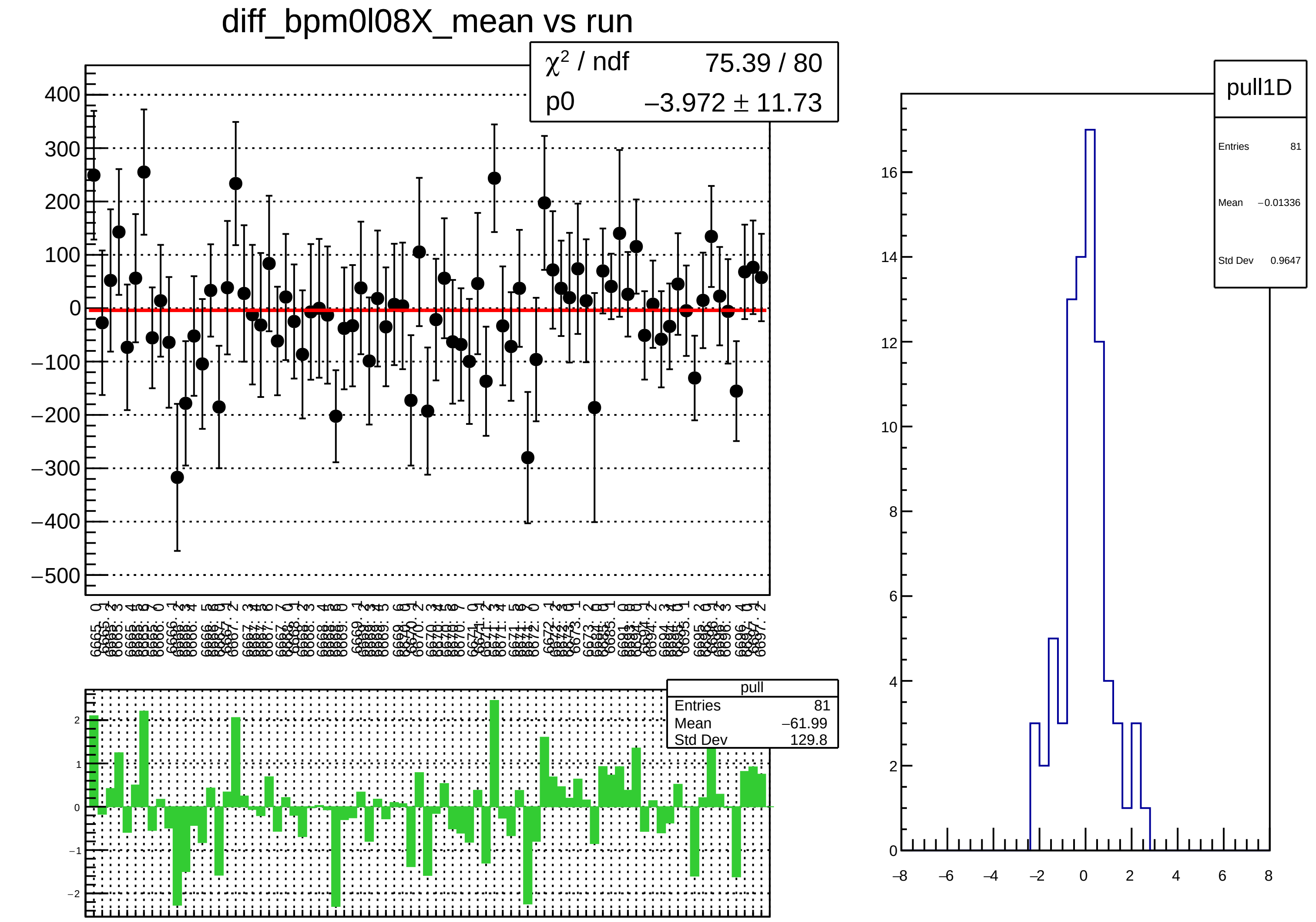
diff_bpm0l07X_mean vs run
χ2 / ndf 75.73 / 80
p0 −3.514 ± 13.62
pull
Entries 81
Mean −66.09
Std Dev 132.7
pull1D
Entries 81
Mean −0.01377
Std Dev 0.9668


diff_bpm0l07X_rms vs run
χ^2 / ndf 3.756e+04 / 80
p0 1.18e+04 ± 9.631
16000
15000
14000
13000
12000
11000
10000
9000

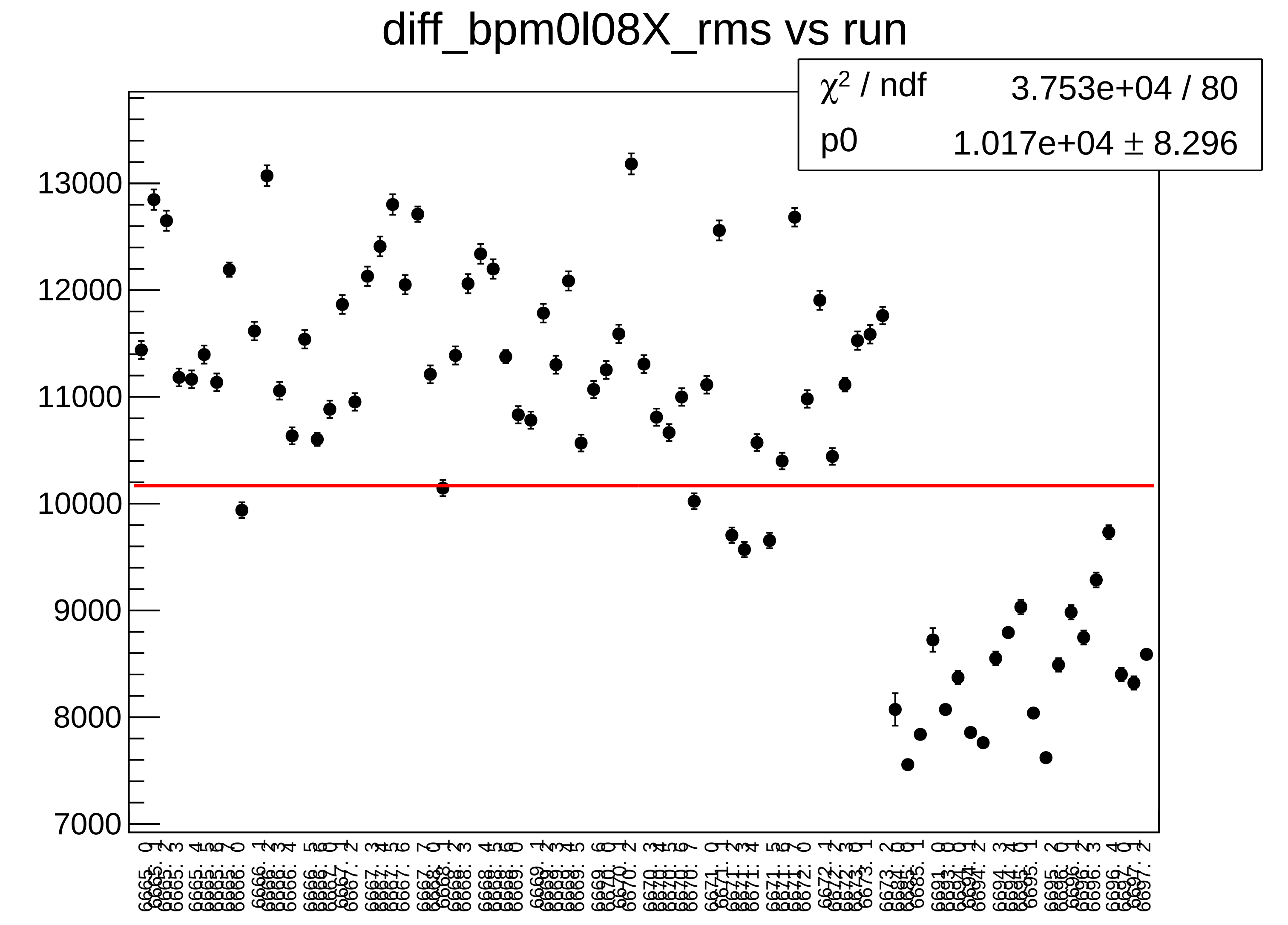

diff_bpm0l07Y_mean vs run
χ^2 / ndf 60.68 / 80
p0 0.7114 ± 0.9531
pull
Entries 81
Mean −130.4
Std Dev 142.5
pull1D
Entries 81
Mean −0.008555
Std Dev 0.8655

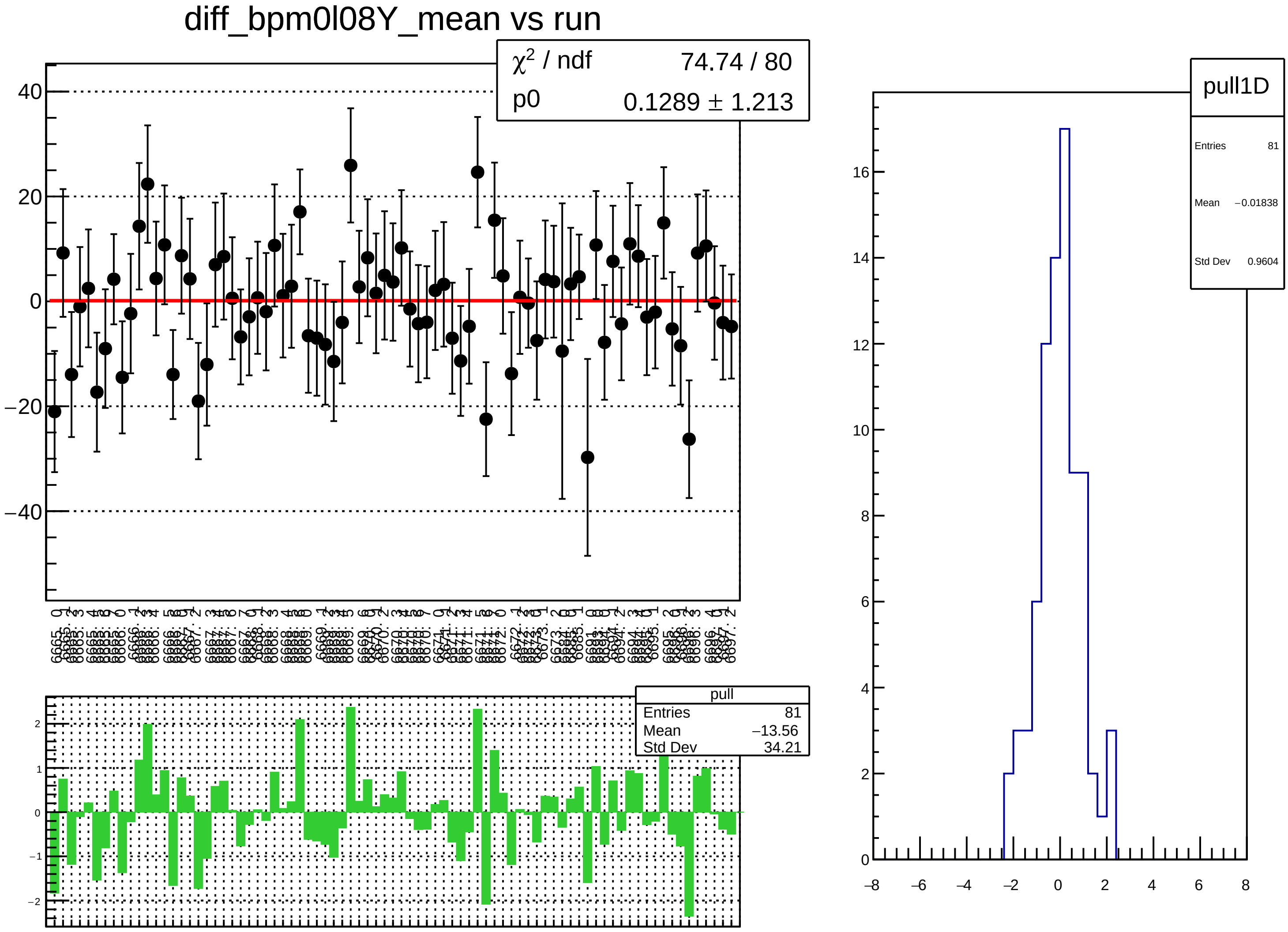


diff_bpm0l07Y_rms vs run
χ^2 / ndf 2161 / 80
p0 835.7 ± 0.674

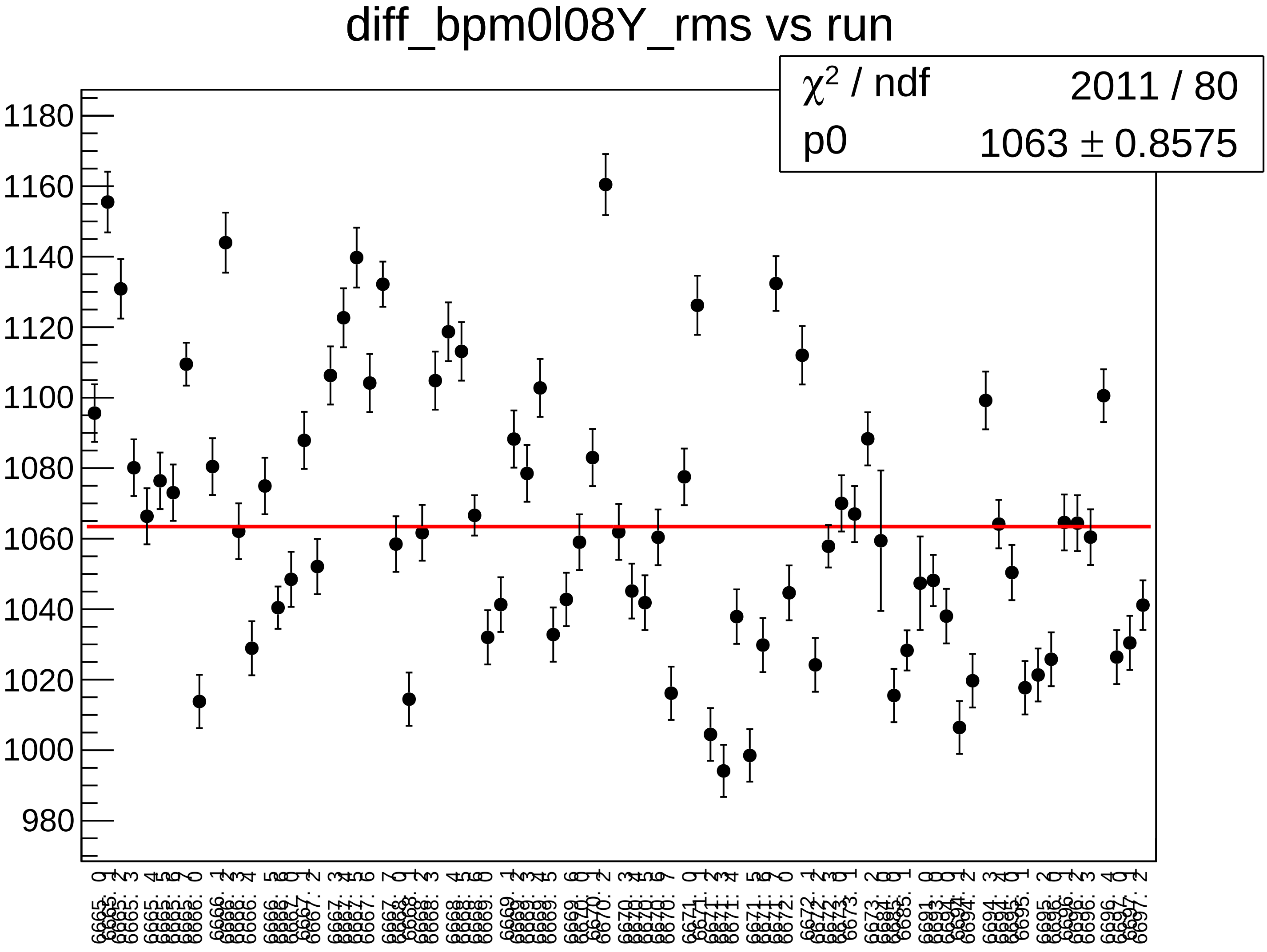


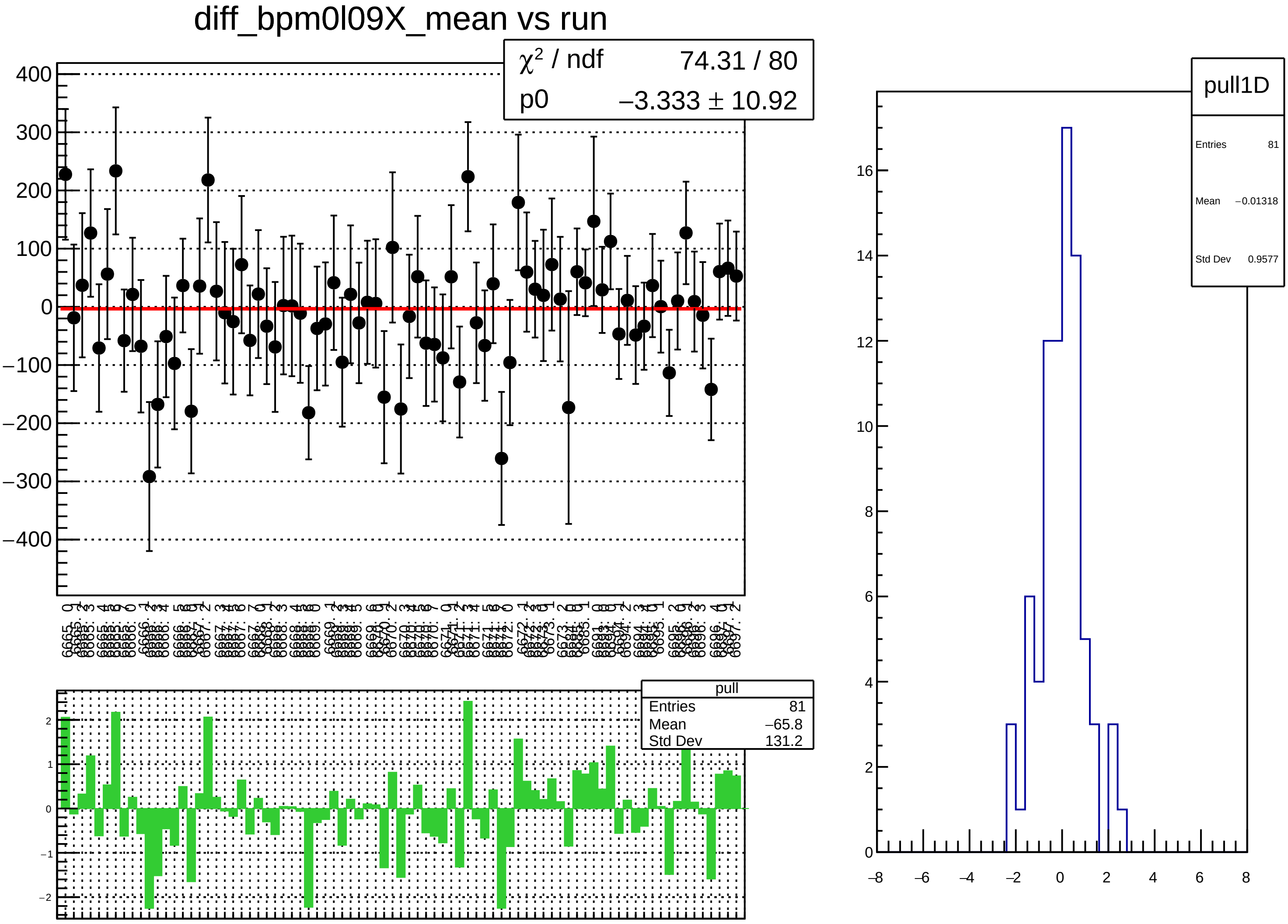
diff_bpm0l08X_mean vs run
χ^2 / ndf 75.39 / 80
p0 −3.972 ± 11.73
pull
Entries 81
Mean −61.99
Std Dev 129.8
pull1D
Entries 81
Mean −0.01336
Std Dev 0.9647

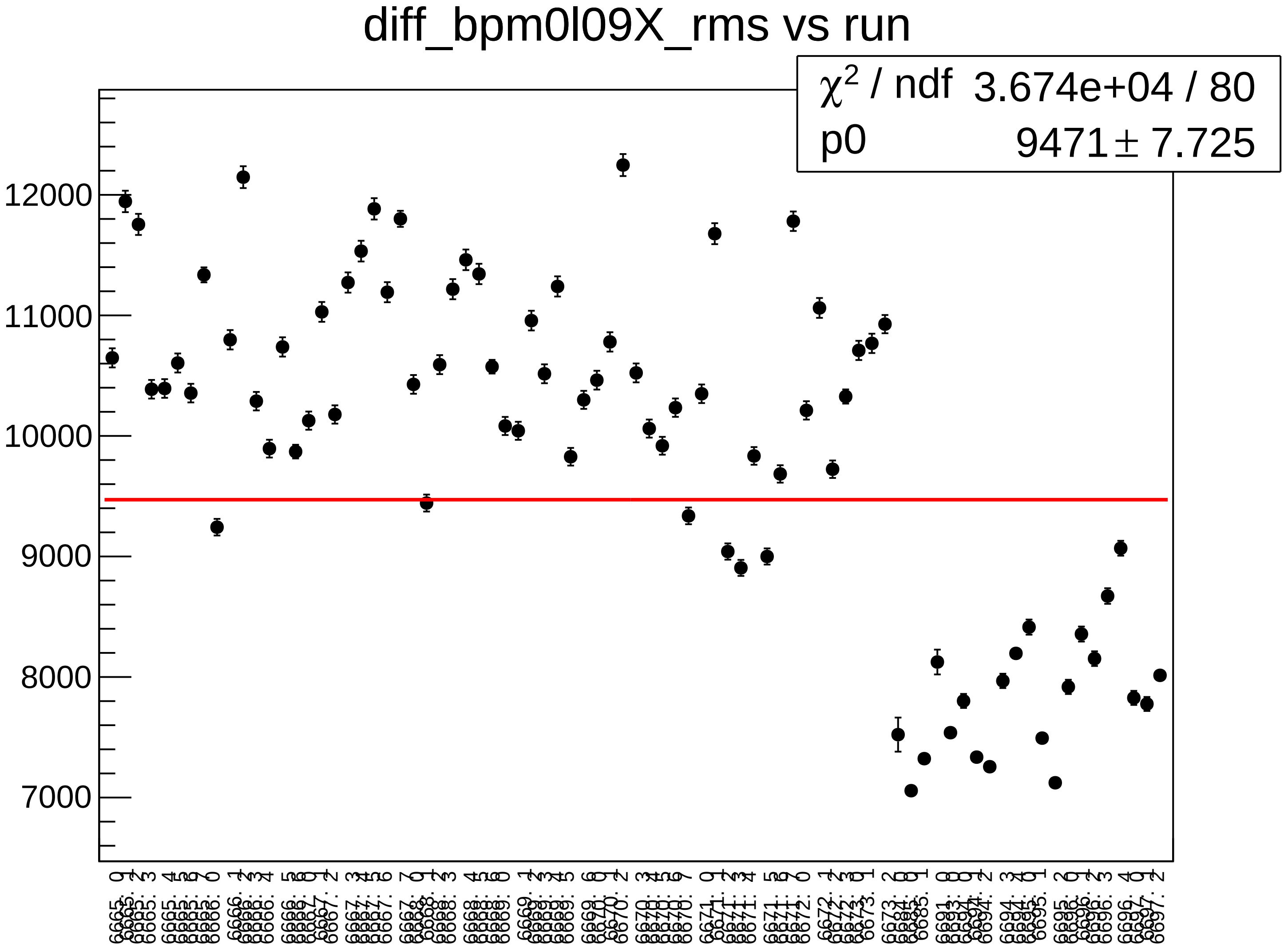

diff_bpm0l08X_rms vs run
χ2 / ndf 3.753e+04 / 80
p0 1.017e+04 ± 8.296
13000
12000
11000
10000
9000
8000
7000



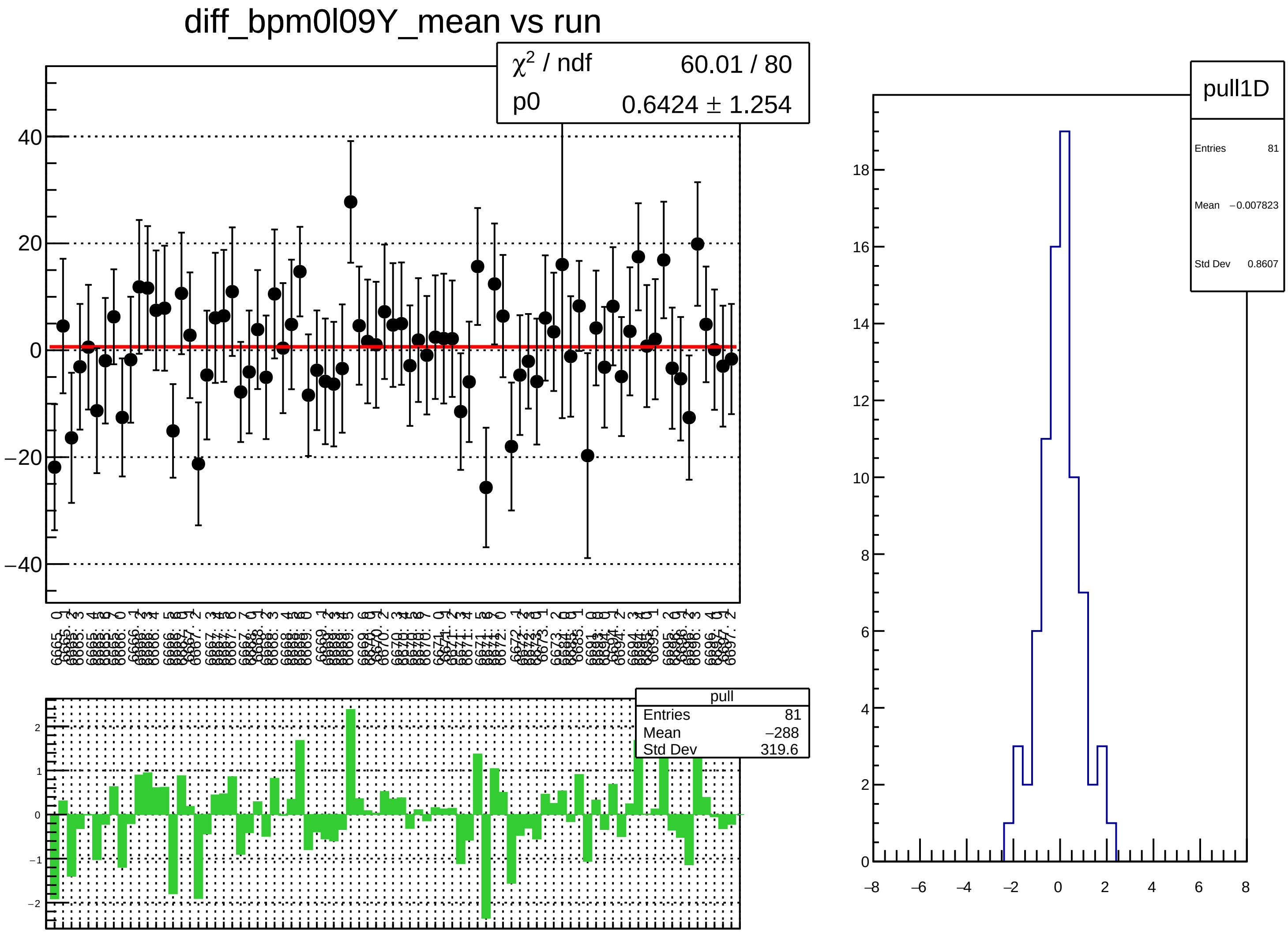
diff_bpm0l08Y_mean vs run
χ^2 / ndf 74.74 / 80
p0 0.1289 ± 1.213
pull
Entries 81
Mean −13.56
Std Dev 34.21
pull1D
Entries 81
Mean −0.01838
Std Dev 0.9604


diff_bpm0l08Y_rms vs run
χ2 / ndf 2011 / 80
p0 1063 ± 0.8575
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
980

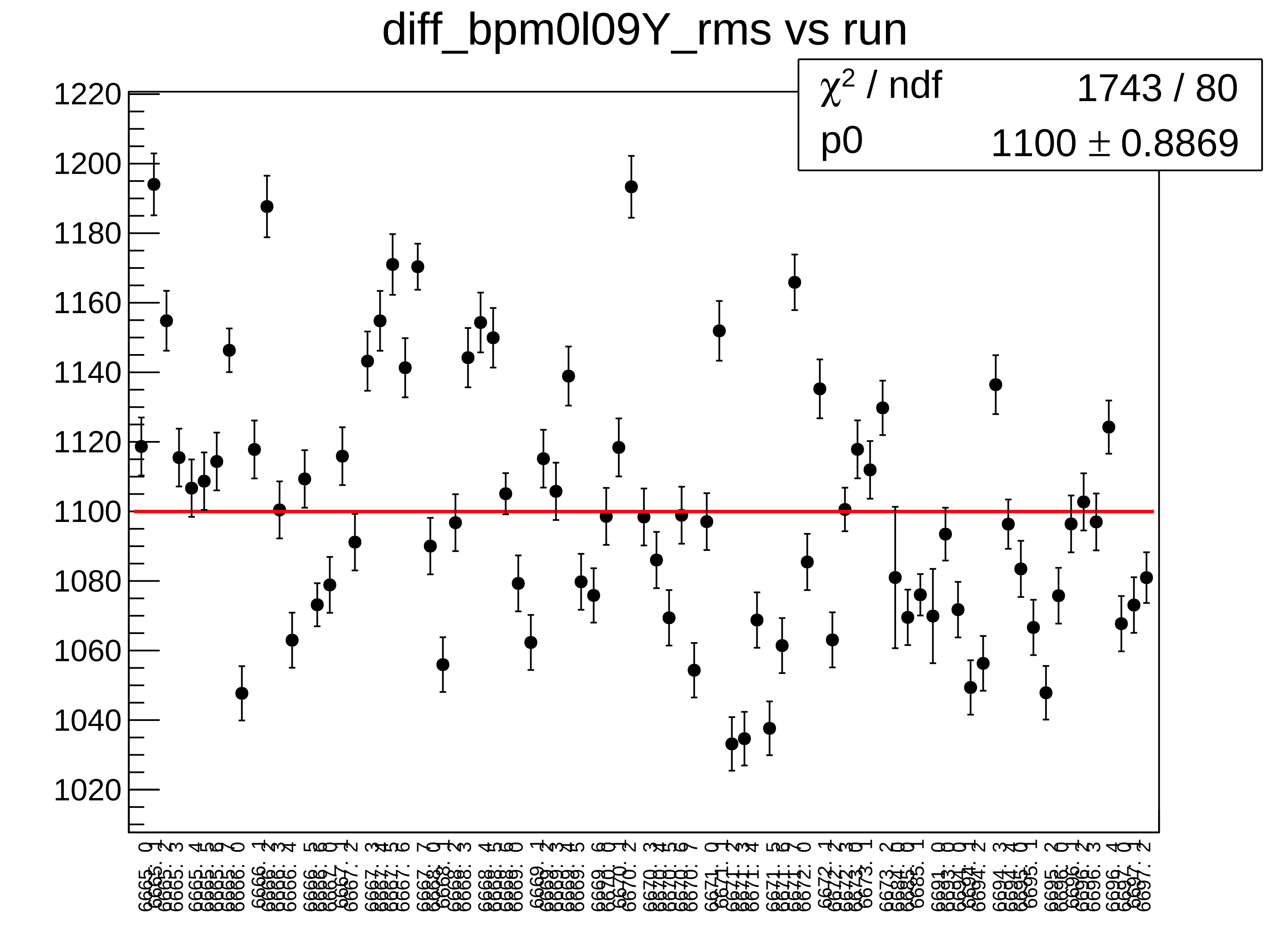

diff_bpm0l09X_mean vs run
χ^2 / ndf 74.31 / 80
p0 −3.333 ± 10.92
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 81
Mean −65.8
Std Dev 131.2
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01318
Std Dev 0.9577
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



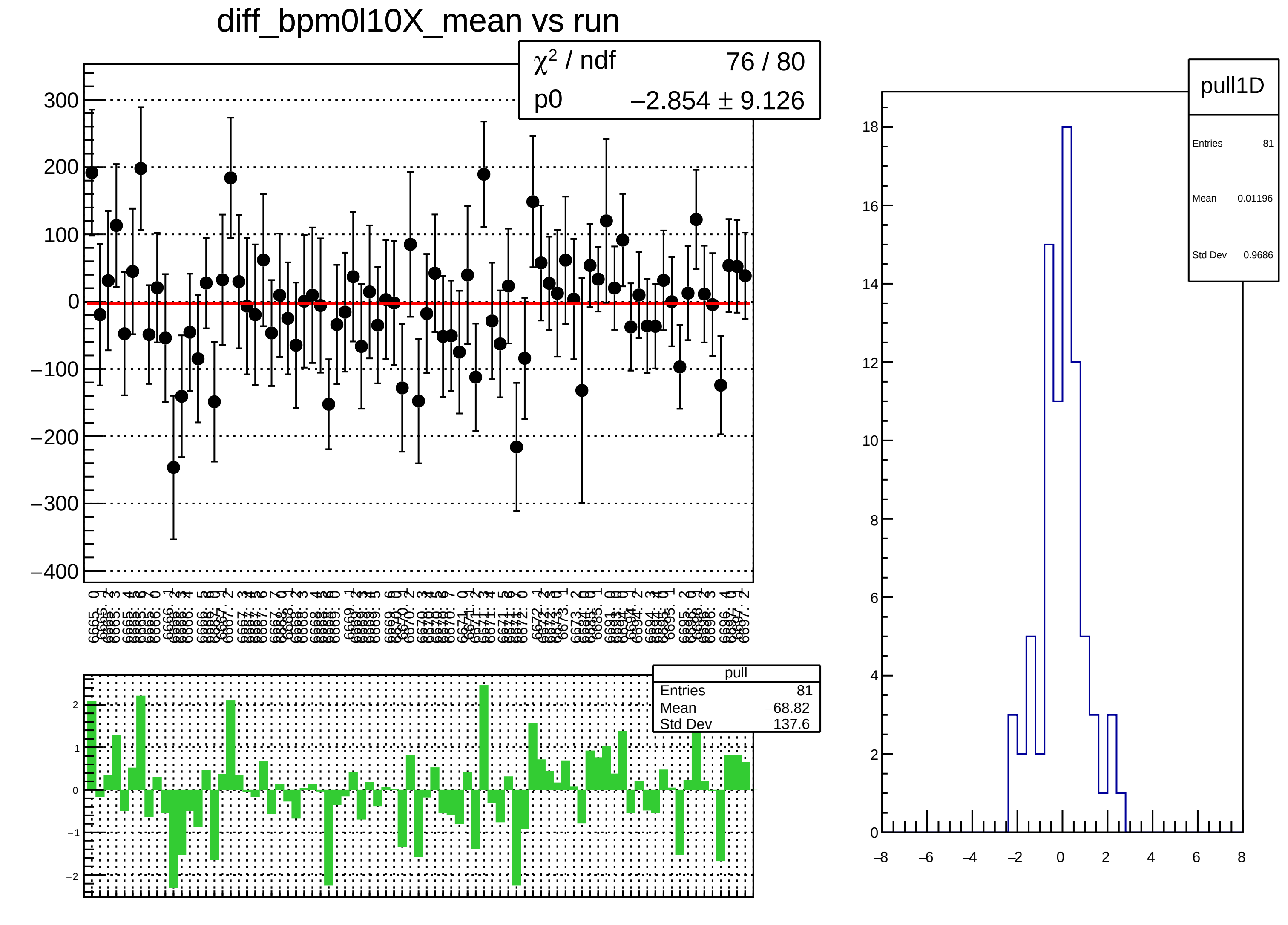
diff_bpm0l09X_rms vs run
χ^2 / ndf 3.674e+04 / 80
p0 9471 ± 7.725
12000
11000
10000
9000
8000
7000



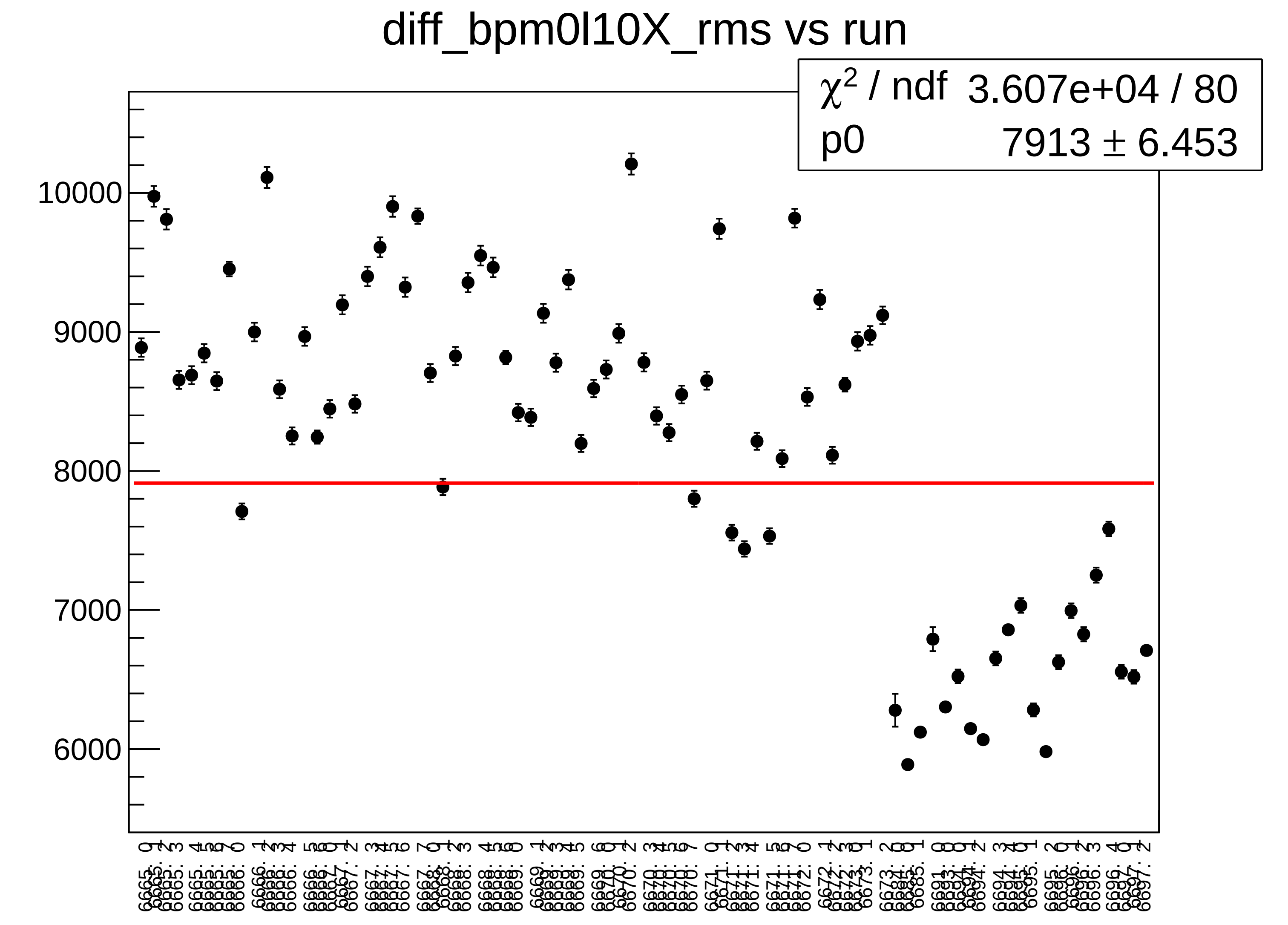
diff_bpm0l09Y_mean vs run
χ^2 / ndf 60.01 / 80
p0 0.6424 ± 1.254
40
20
0
−20
−40
pull
Entries 81
Mean −288
Std Dev 319.6
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.007823
Std Dev 0.8607
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

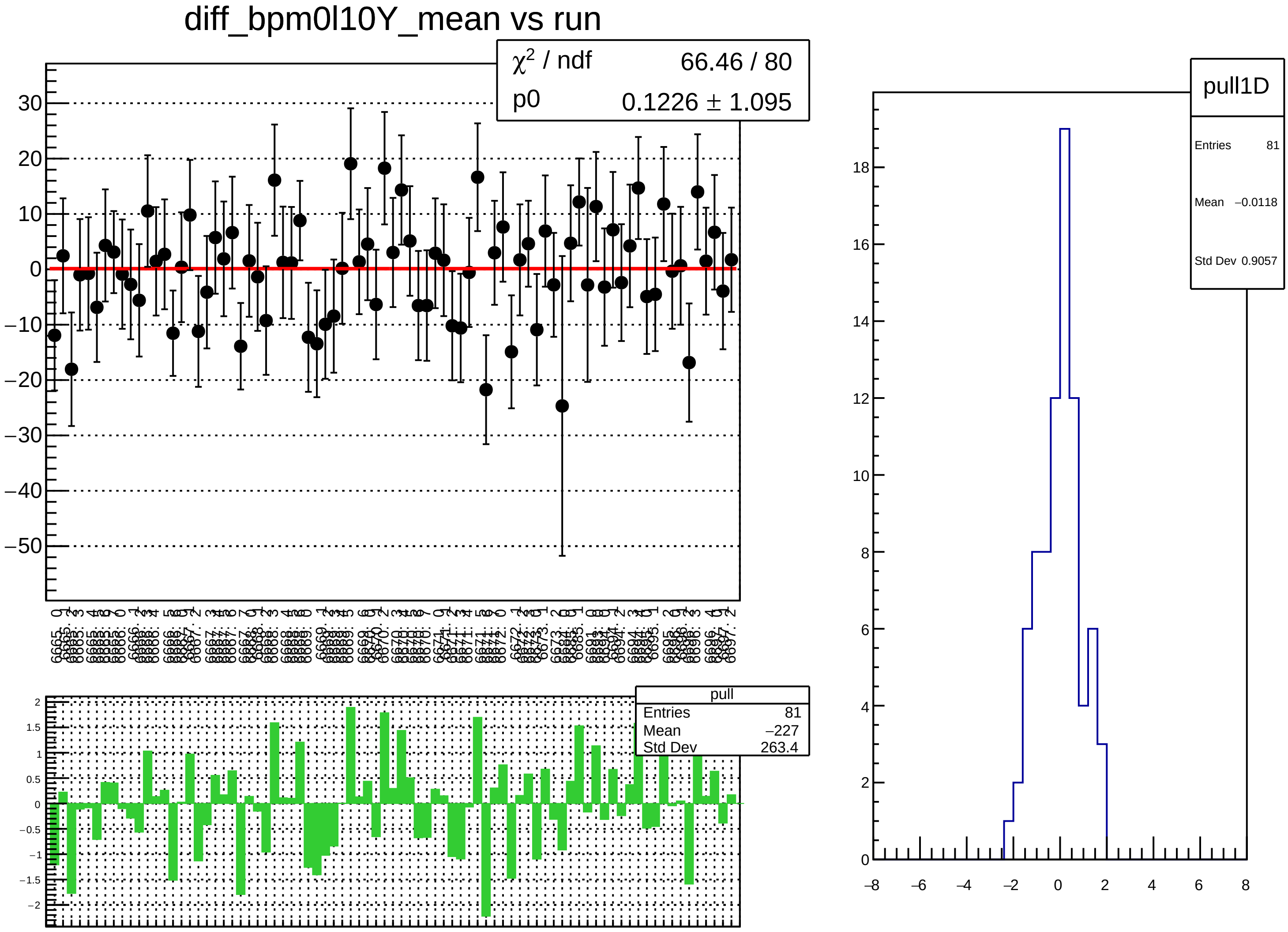


diff_bpm0l09Y_rms vs run
χ^2 / ndf 1743 / 80
p0 1100 ± 0.8869

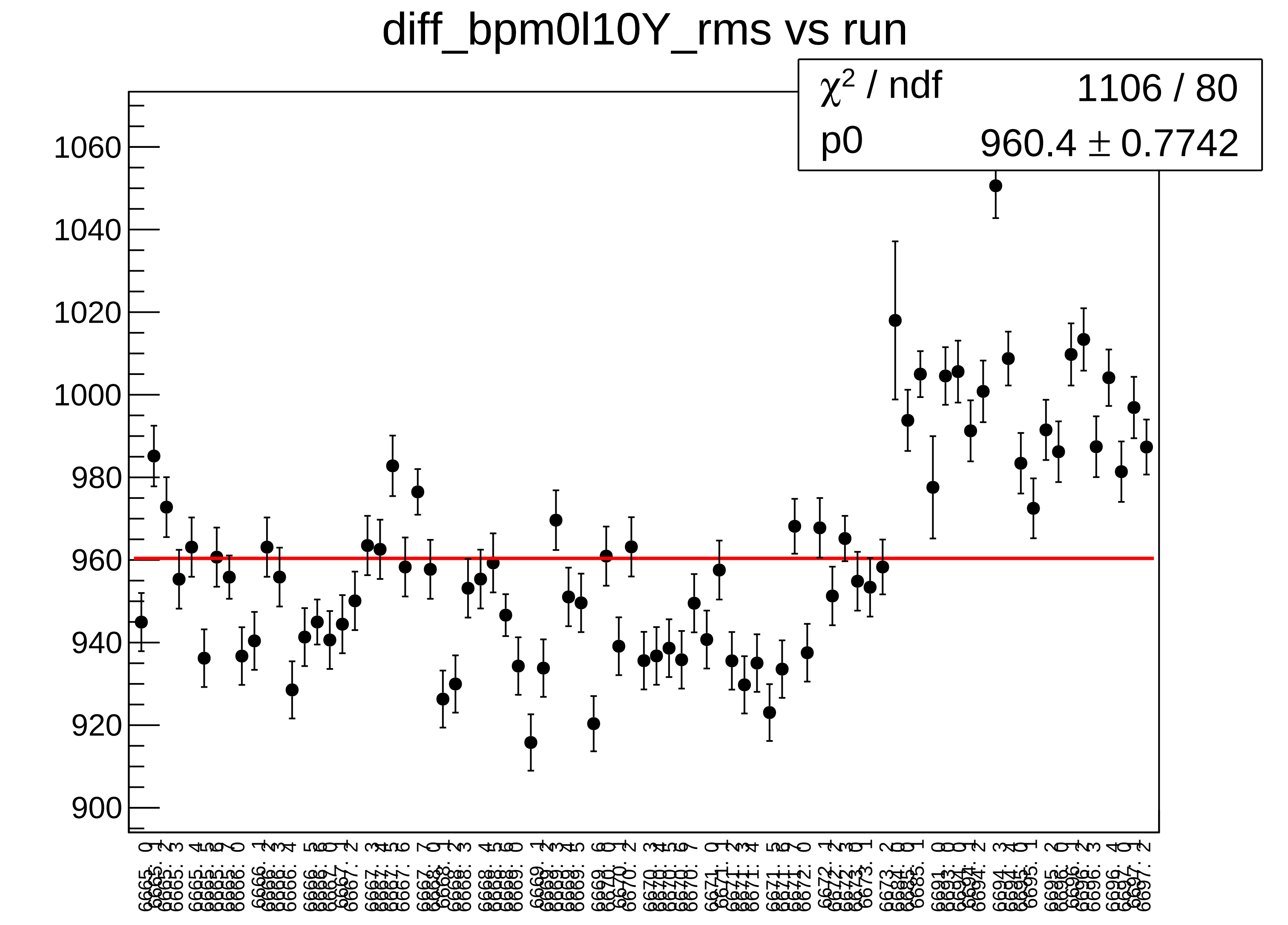


diff_bpm0l10X_mean vs run
χ^2 / ndf 76 / 80
p0 −2.854 ± 9.126
pull
Entries 81
Mean −68.82
Std Dev 137.6
pull1D
Entries 81
Mean −0.01196
Std Dev 0.9686

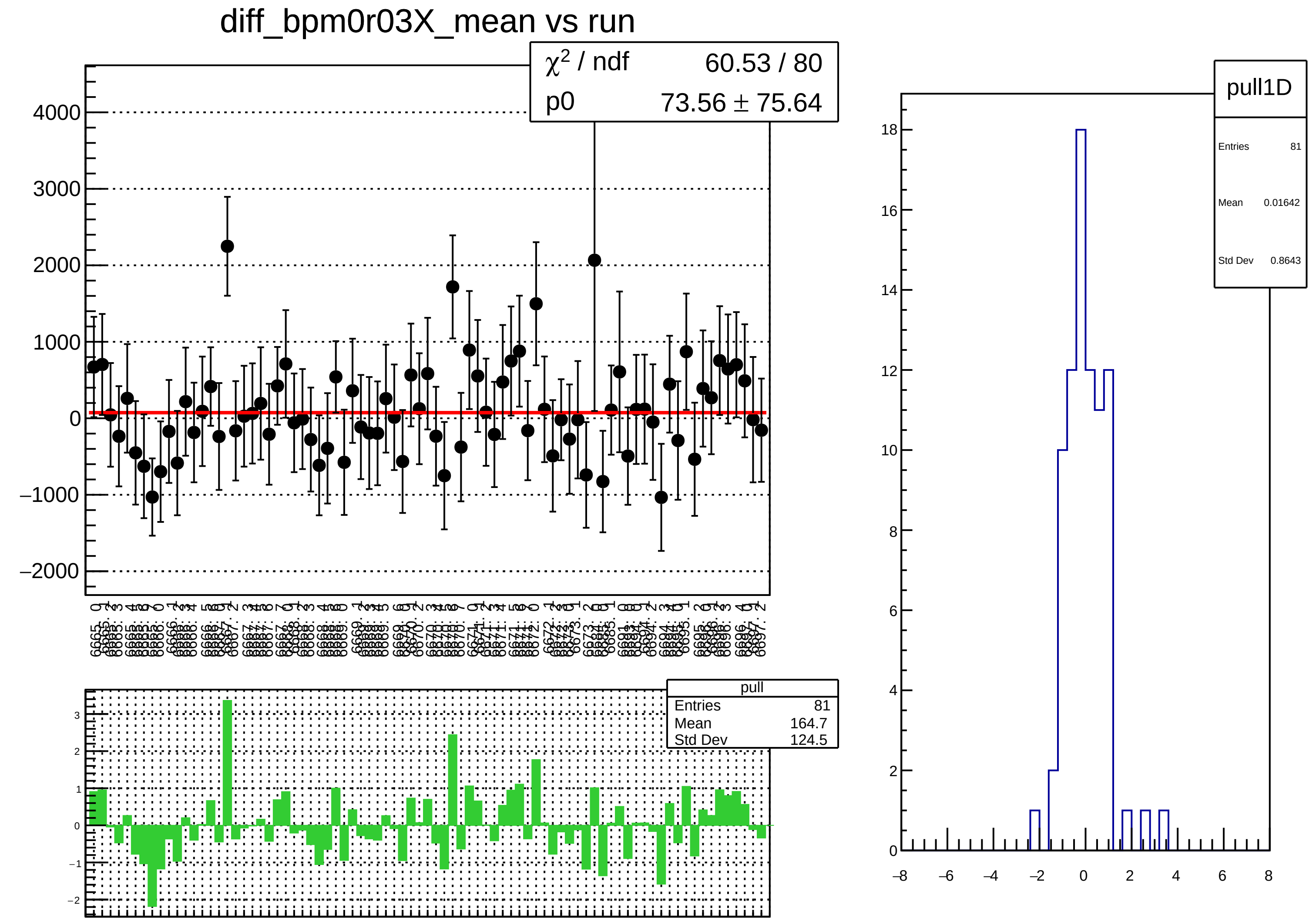

diff_bpm0l10X_rms vs run
χ2 / ndf 3.607e+04 / 80
p0 7913 ± 6.453
10000
9000
8000
7000
6000



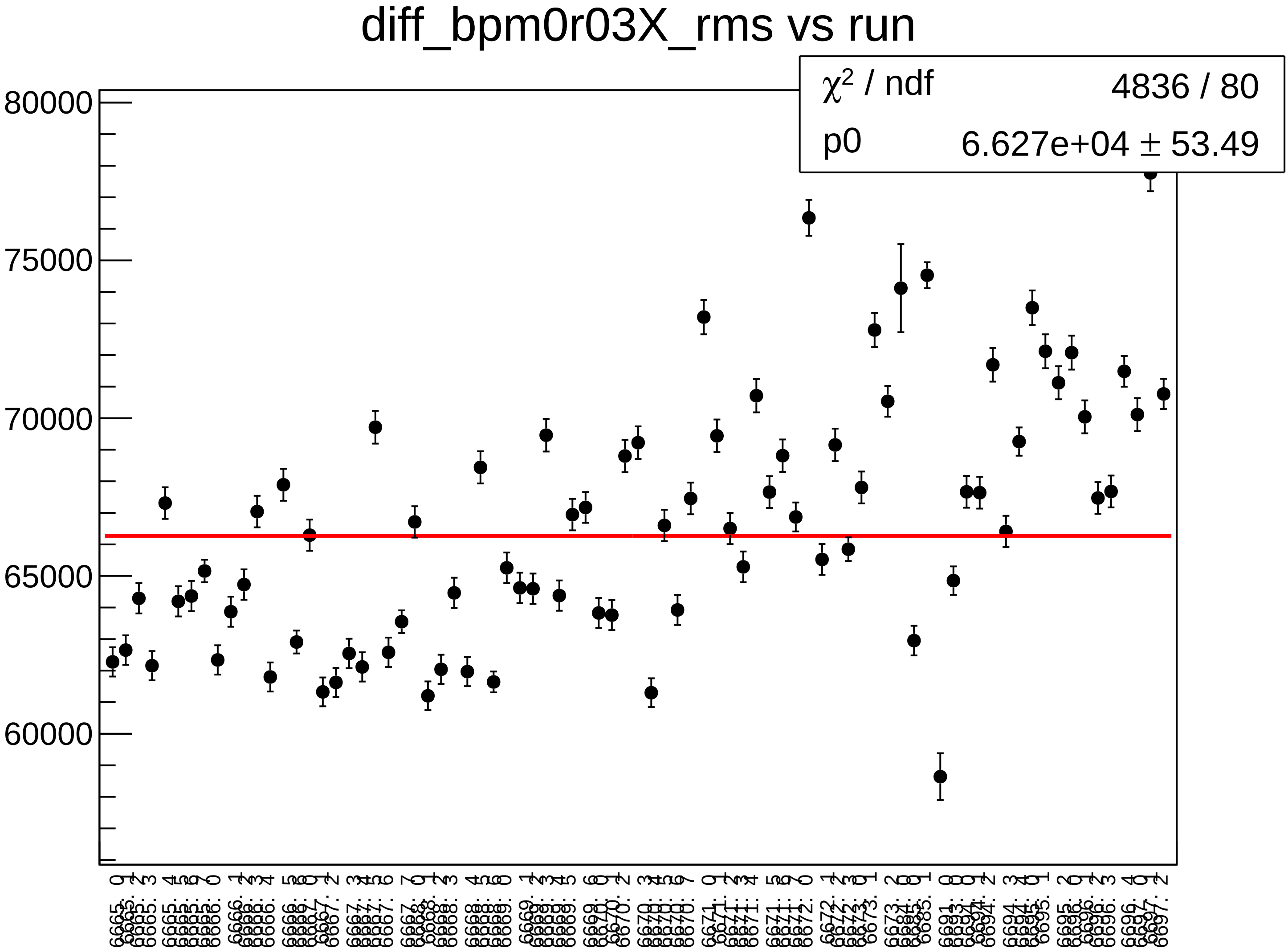
diff_bpm0l10Y_mean vs run
χ^2 / ndf 66.46 / 80
p0 0.1226 ± 1.095
pull
Entries 81
Mean −227
Std Dev 263.4
pull1D
Entries 81
Mean −0.0118
Std Dev 0.9057

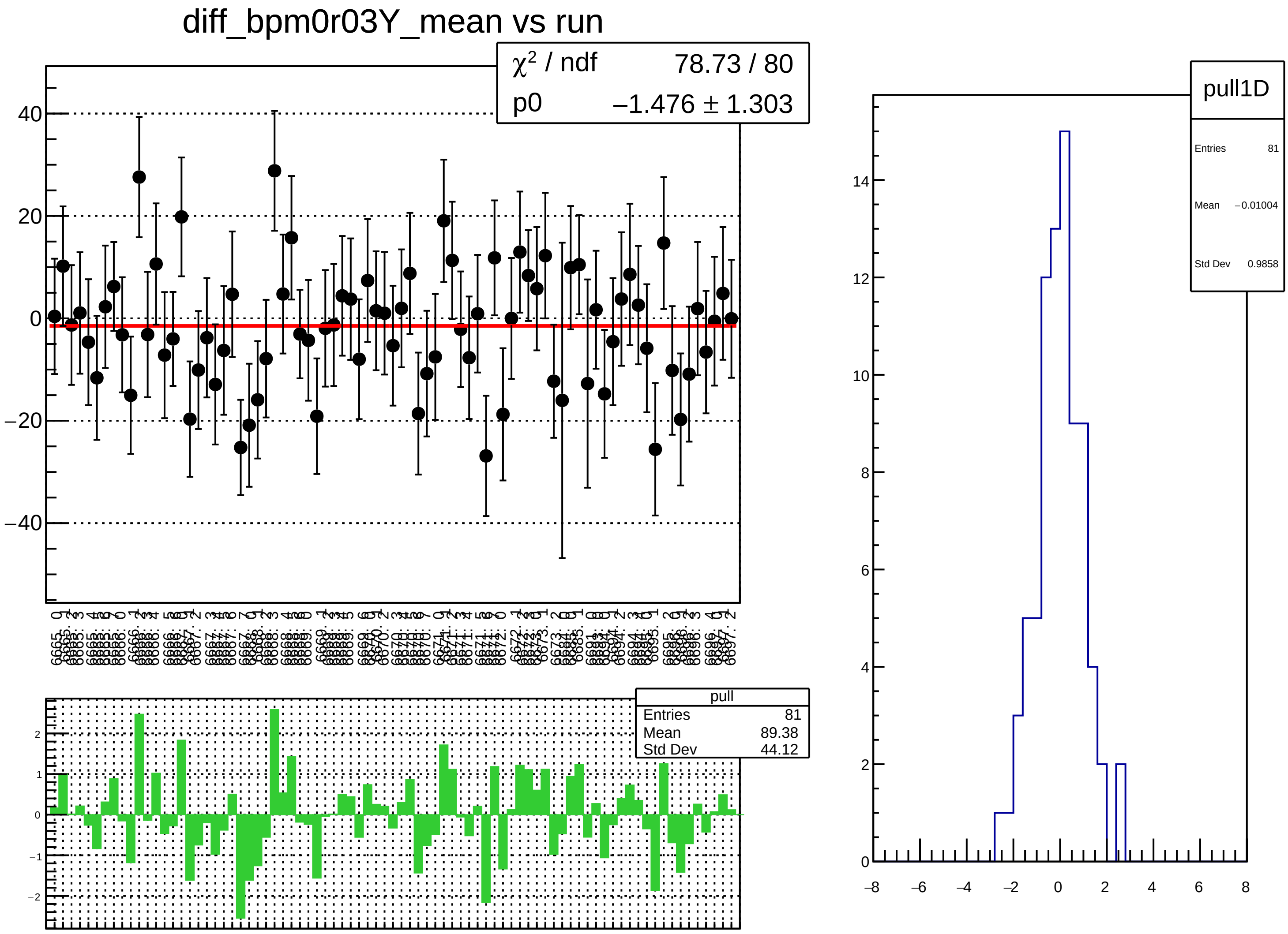


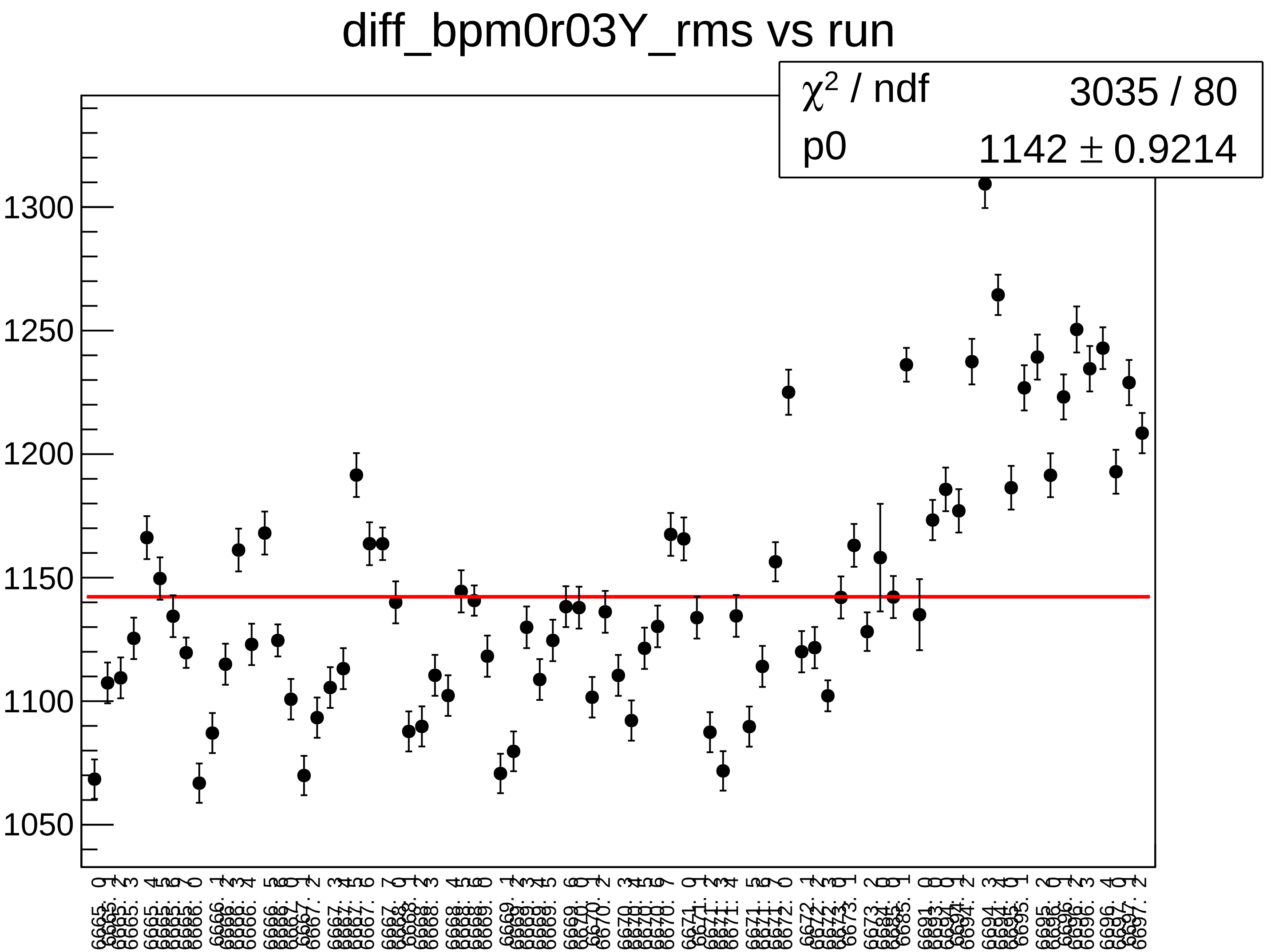
diff_bpm0l10Y_rms vs run
χ^2 / ndf 1106 / 80
p0 960.4 ± 0.7742
1060
1040
1020
1000
980
960
940
920
900

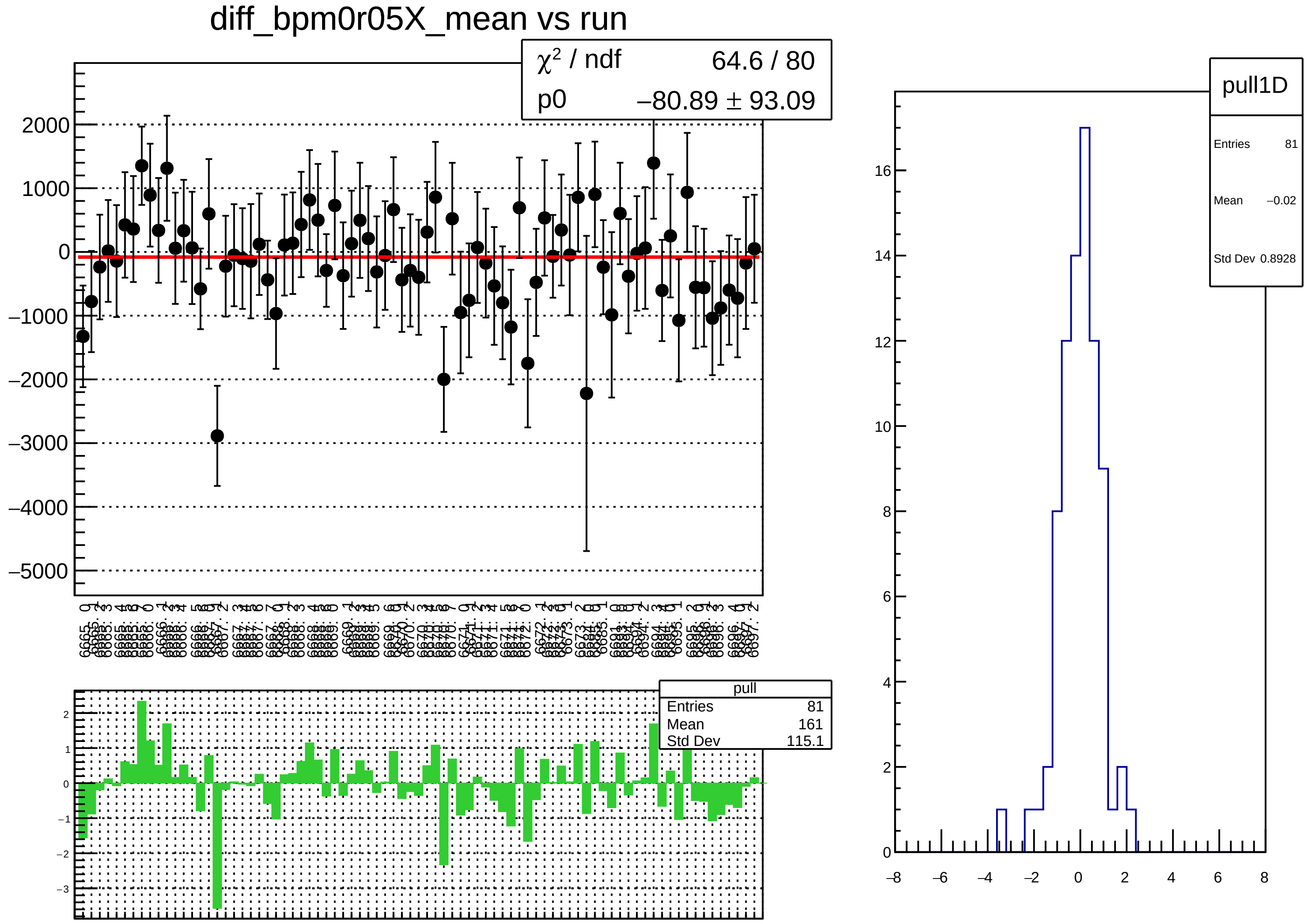


diff_bpm0r03X_mean vs run
χ^2 / ndf 60.53 / 80
p0 73.56 ± 75.64
pull
Entries 81
Mean 164.7
Std Dev 124.5
pull1D
Entries 81
Mean 0.01642
Std Dev 0.8643


diff_bpm0r03X_rms vs run
χ2 / ndf 4836 / 80
p0 6.627e+04 ± 53.49
80000
75000
70000
65000
60000

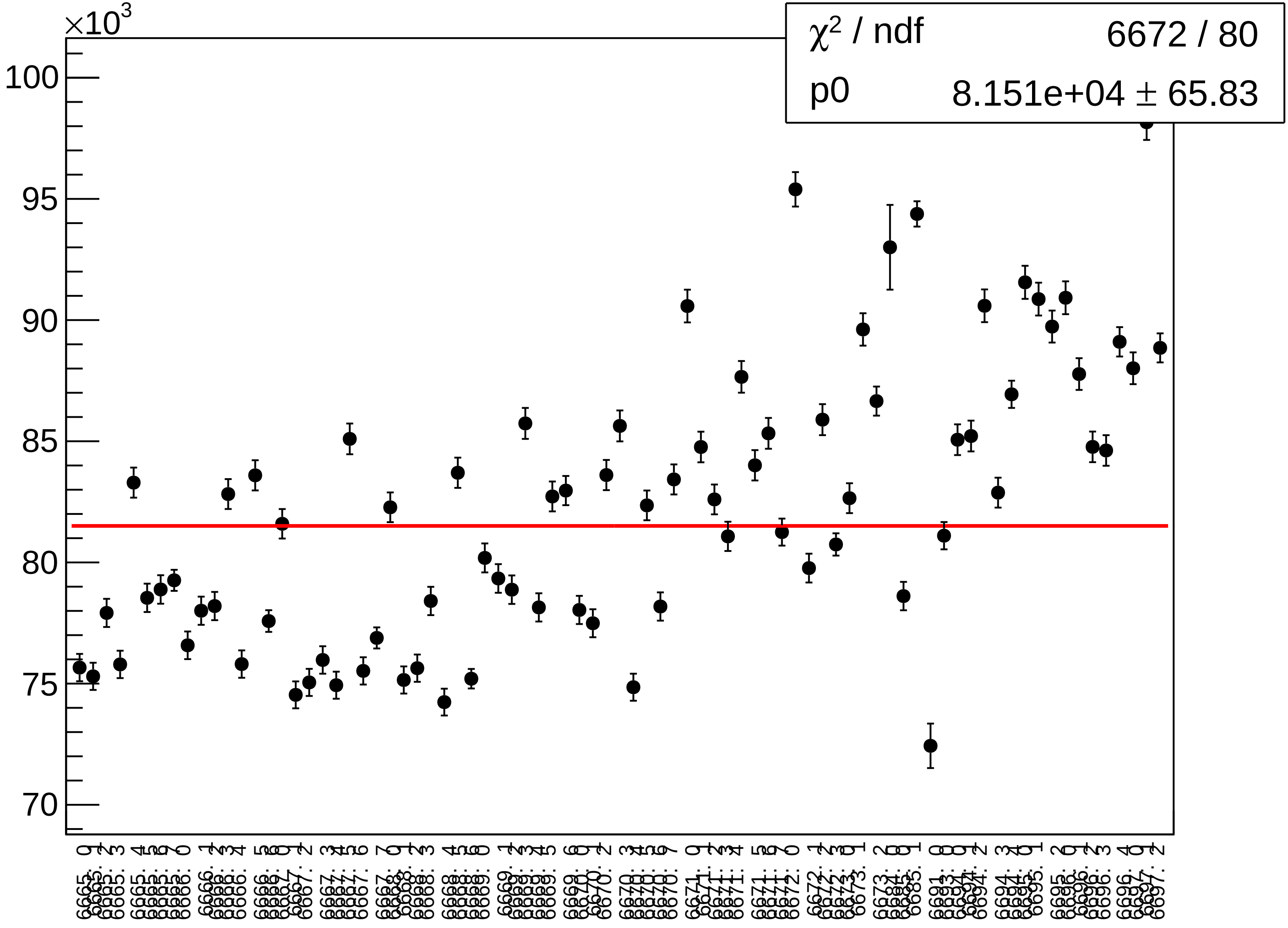

diff_bpm0r03Y_mean vs run
χ2 / ndf 78.73 / 80
p0 −1.476 ± 1.303
pull
Entries 81
Mean 89.38
Std Dev 44.12
pull1D
Entries 81
Mean −0.01004
Std Dev 0.9858

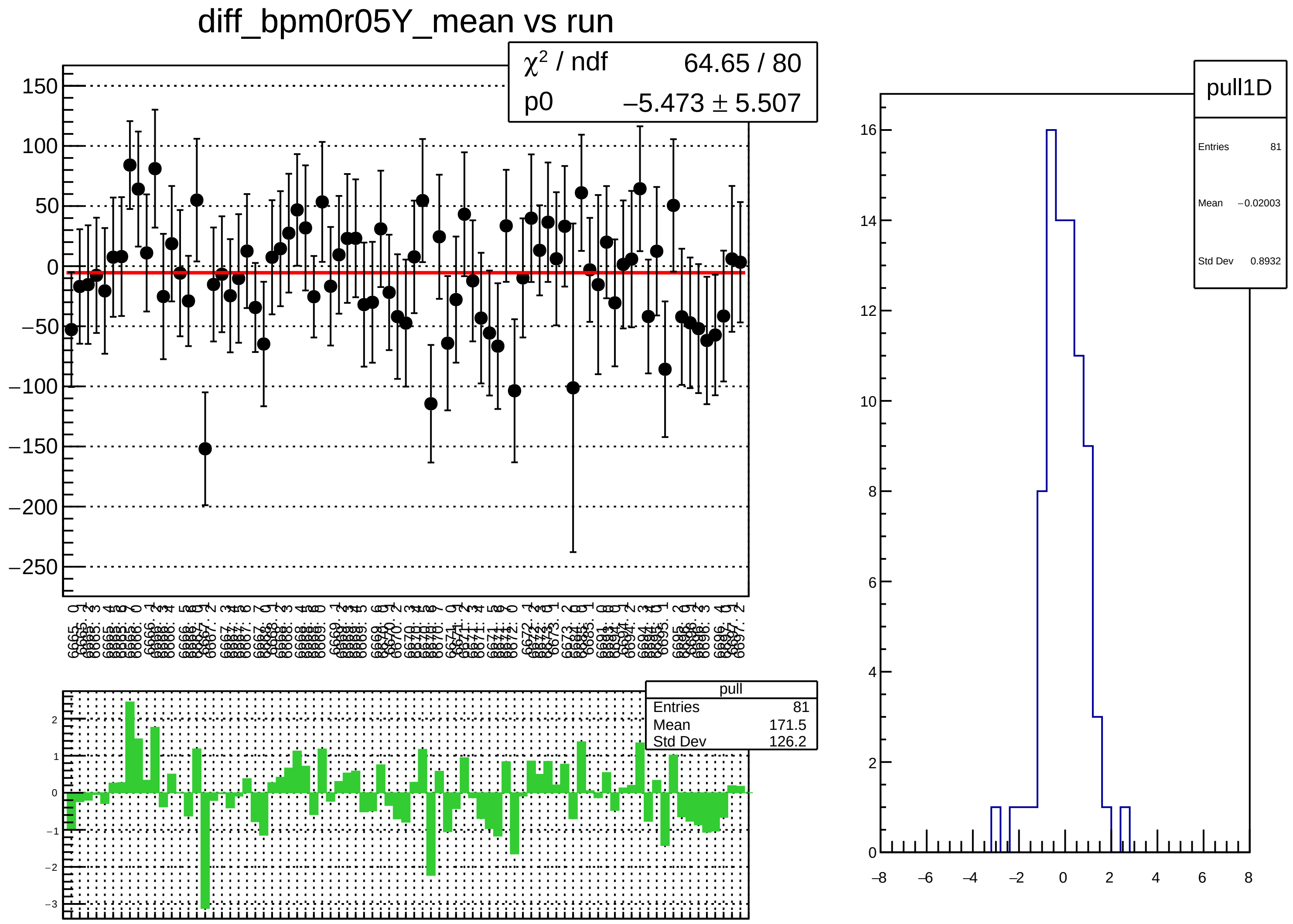

diff_bpm0r03Y_rms vs run
χ2 / ndf 3035 / 80
p0 1142 ± 0.9214
1300
1250
1200
1150
1100
1050



diff_bpm0r05X_mean vs run
χ^2 / ndf 64.6 / 80
p0 −80.89 ± 93.09
pull
Entries 81
Mean 161
Std Dev 115.1
pull1D
Entries 81
Mean −0.02
Std Dev 0.8928

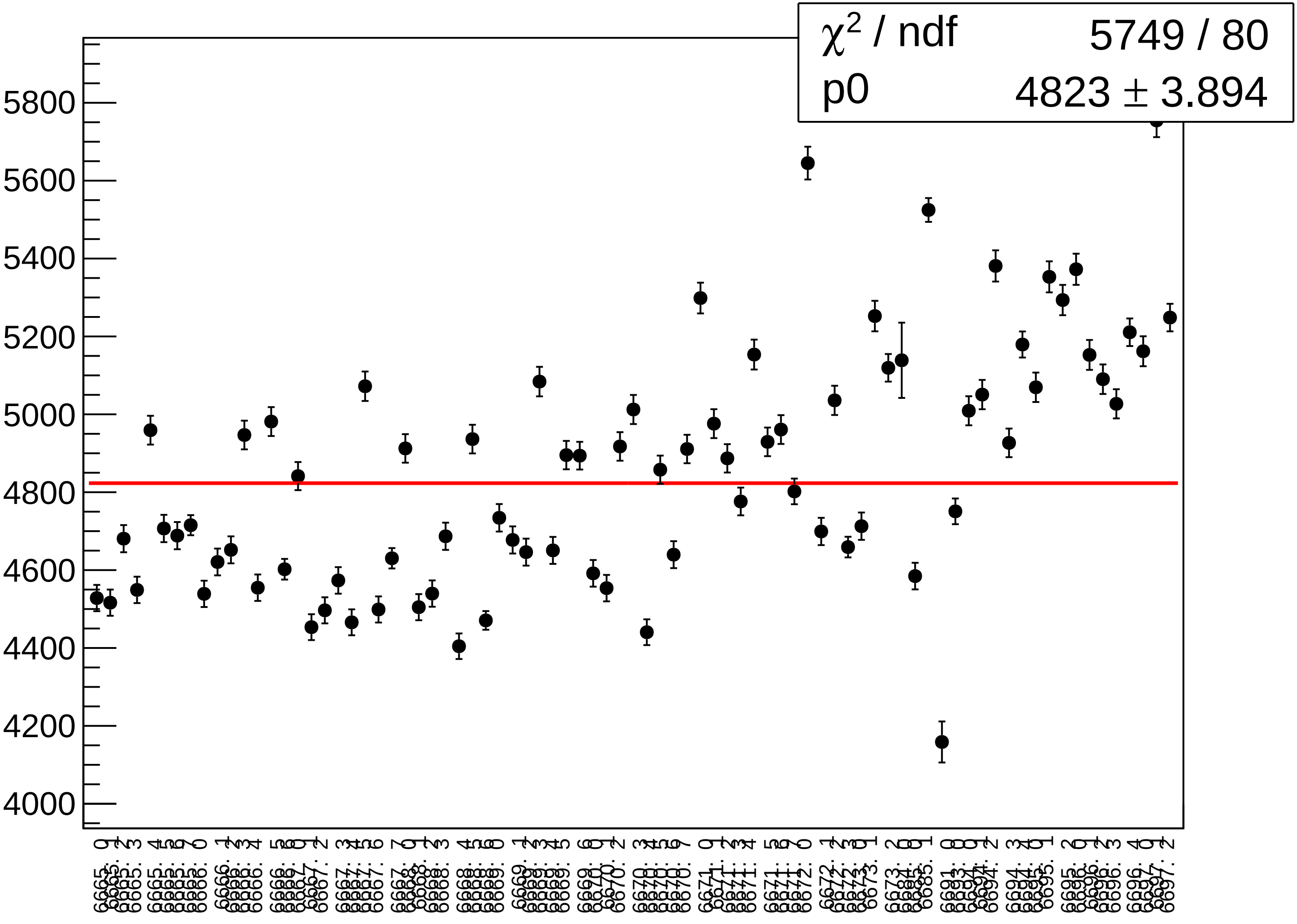
diff_bpm0r05X_rms vs run

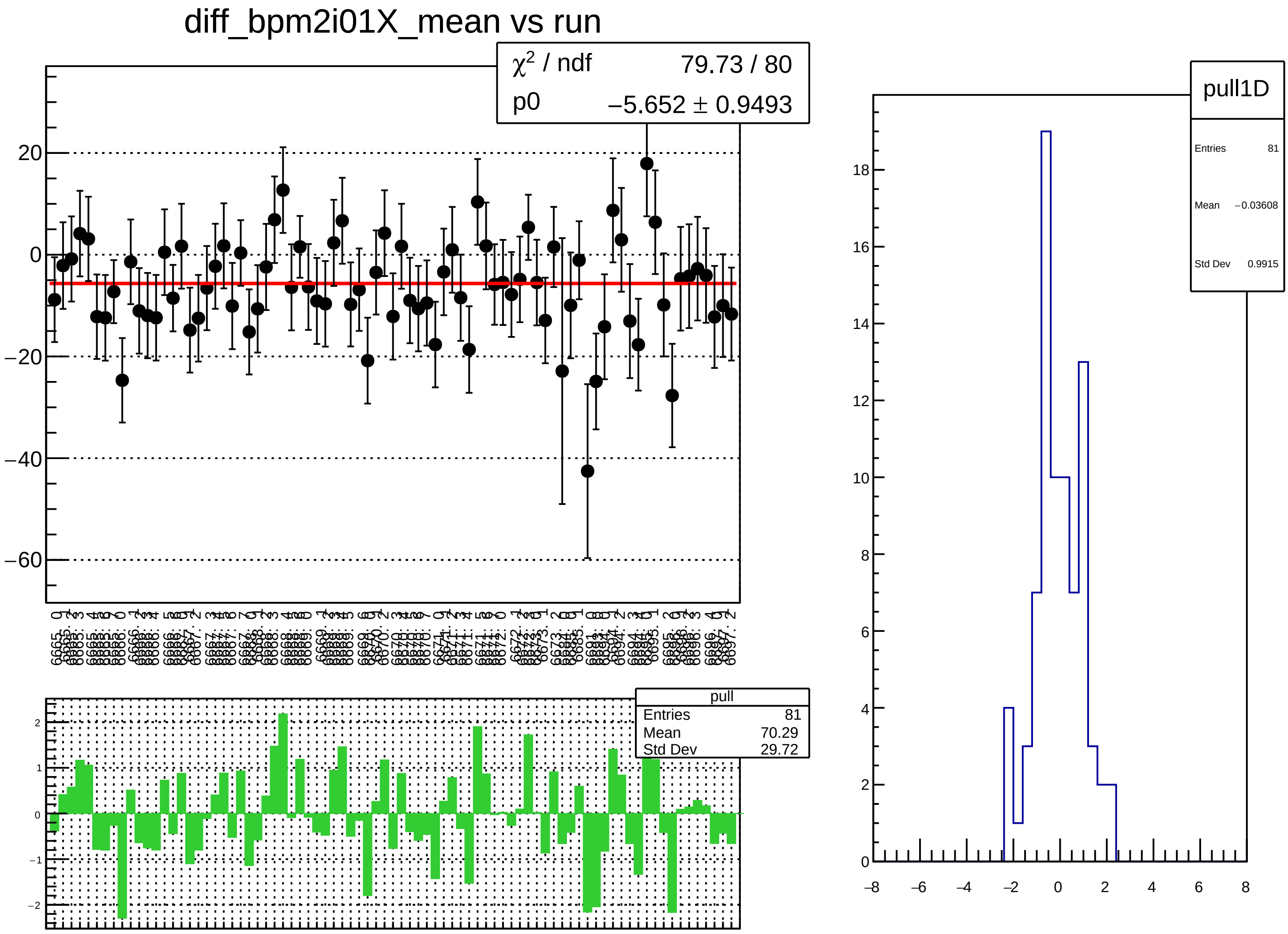


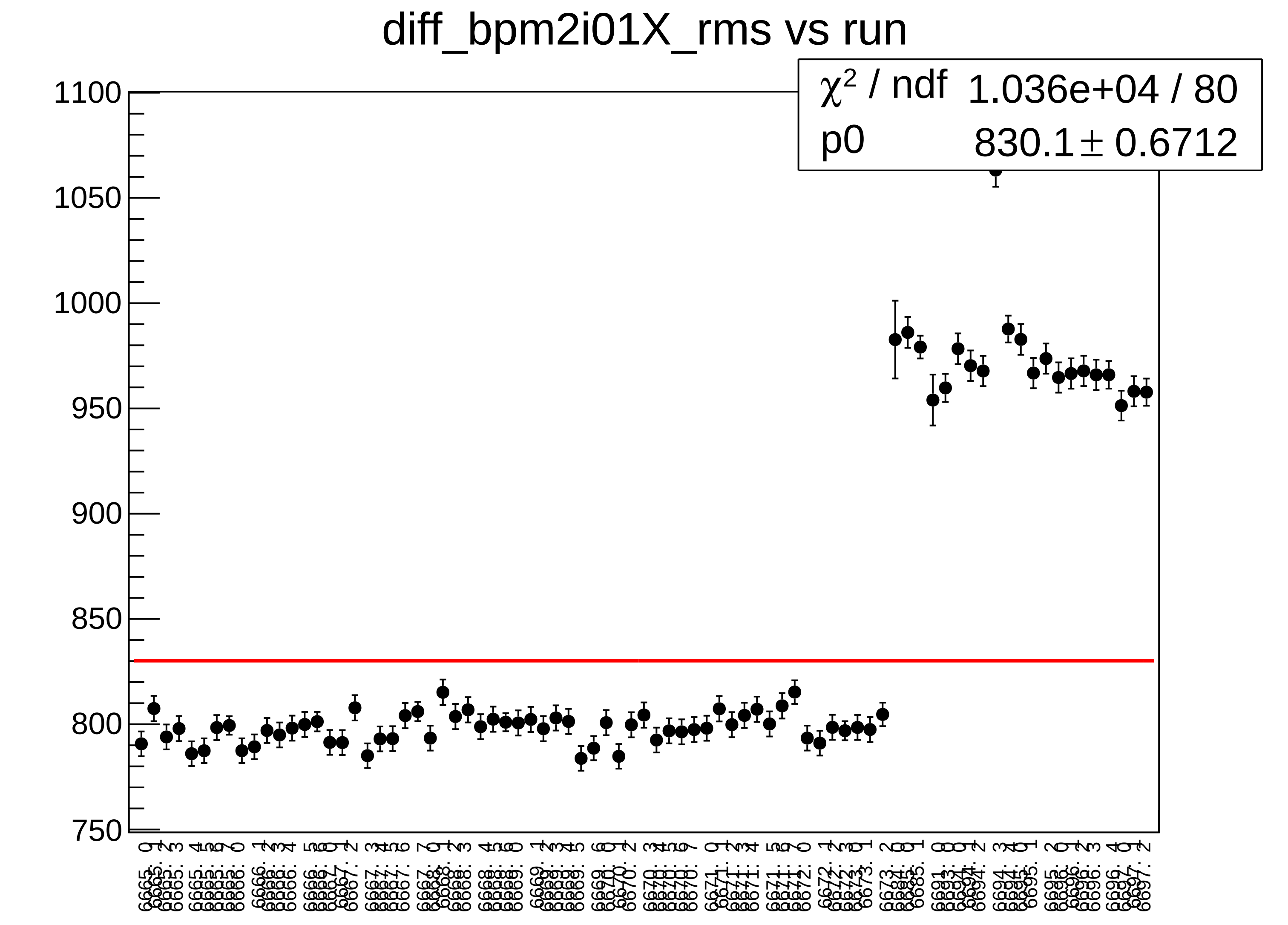


diff_bpm0r05Y_mean vs run
χ^2 / ndf 64.65 / 80
p0 −5.473 ± 5.507
pull
Entries 81
Mean 171.5
Std Dev 126.2
pull1D
Entries 81
Mean −0.02003
Std Dev 0.8932

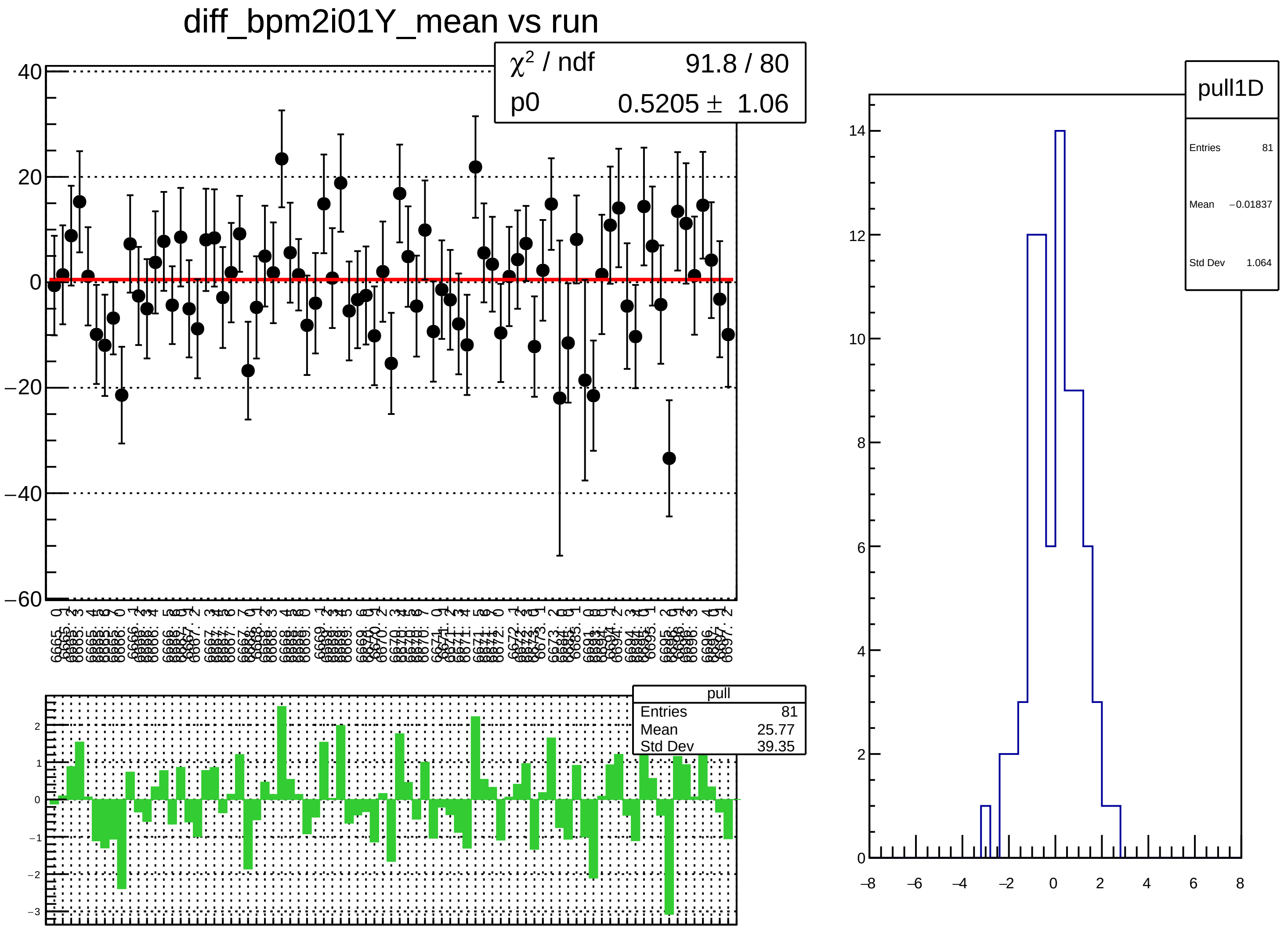
diff_bpm0r05Y_rms vs run

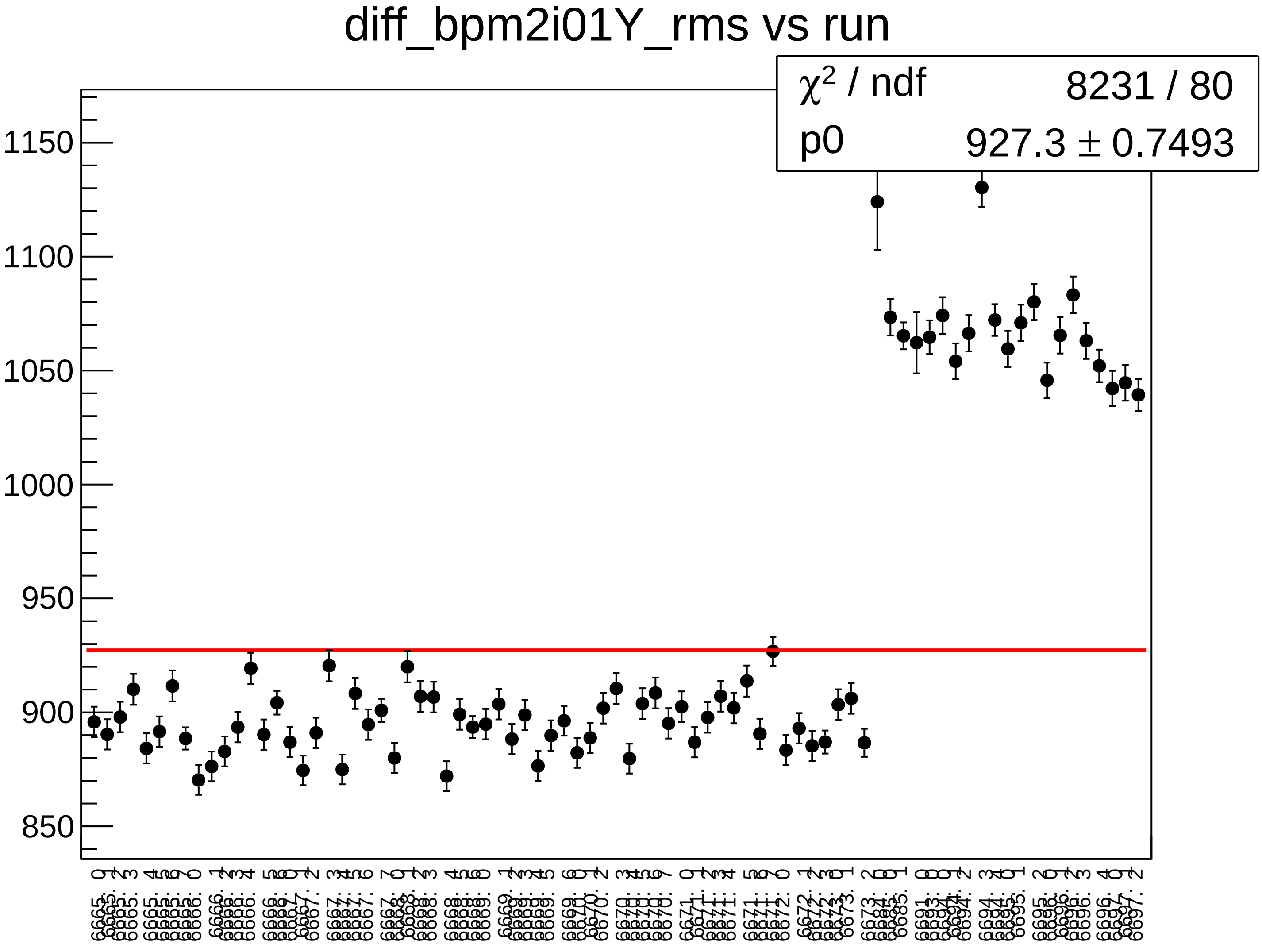



diff_bpm2i01X_mean vs run
χ2 / ndf 79.73 / 80
p0 −5.652 ± 0.9493
20
0
−20
−40
−60
pull
Entries 81
Mean 70.29
Std Dev 29.72
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.03608
Std Dev 0.9915
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

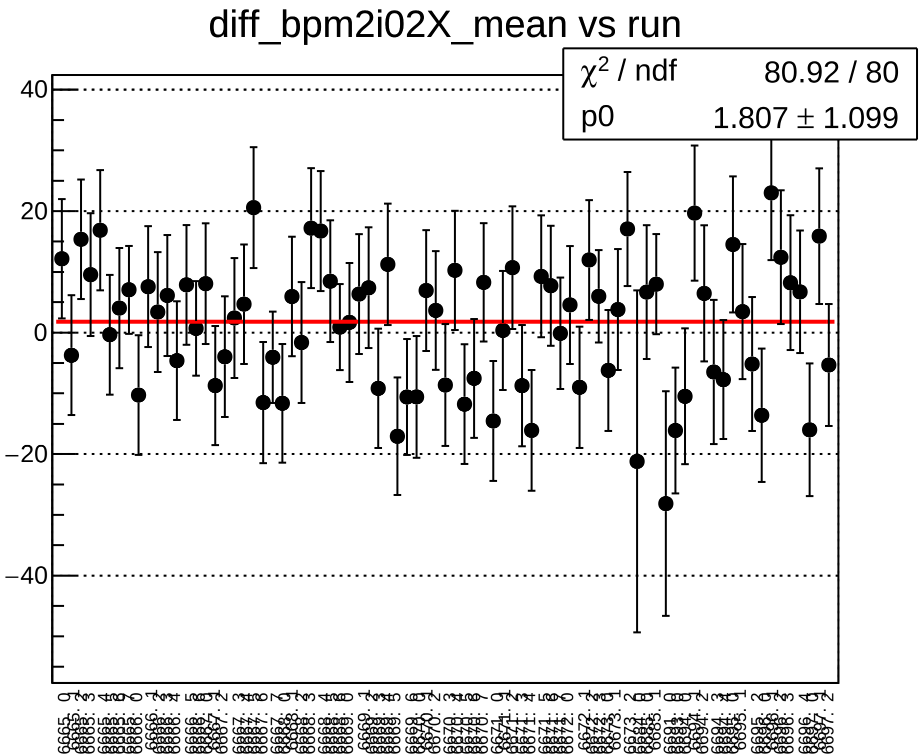


diff_bpm2i01X_rms vs run
χ^2 / ndf 1.036e+04 / 80
p0 830.1 ± 0.6712
1100
1050
1000
950
900
850
800
750

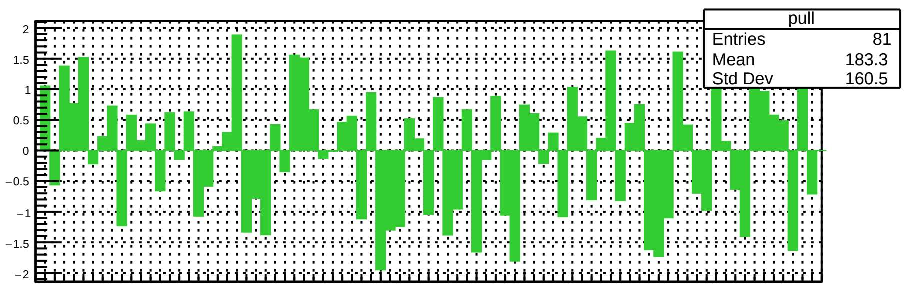

diff_bpm2i01Y_mean vs run
χ^2 / ndf 91.8 / 80
p0 0.5205 ± 1.06
pull
Entries 81
Mean 25.77
Std Dev 39.35
pull1D
Entries 81
Mean −0.01837
Std Dev 1.064



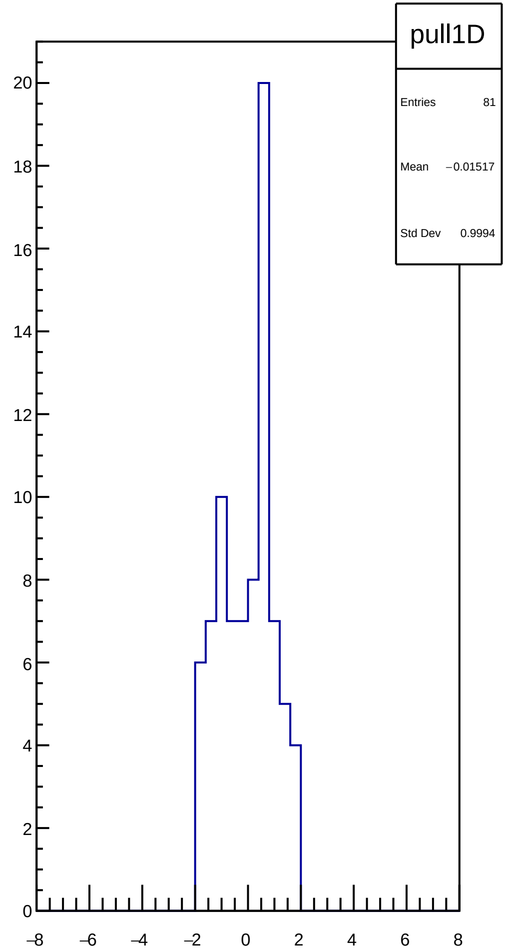
diff_bpm2i01Y_rms vs run
χ^2 / ndf 8231 / 80
p0 927.3 ± 0.7493
1150
1100
1050
1000
950
900
850



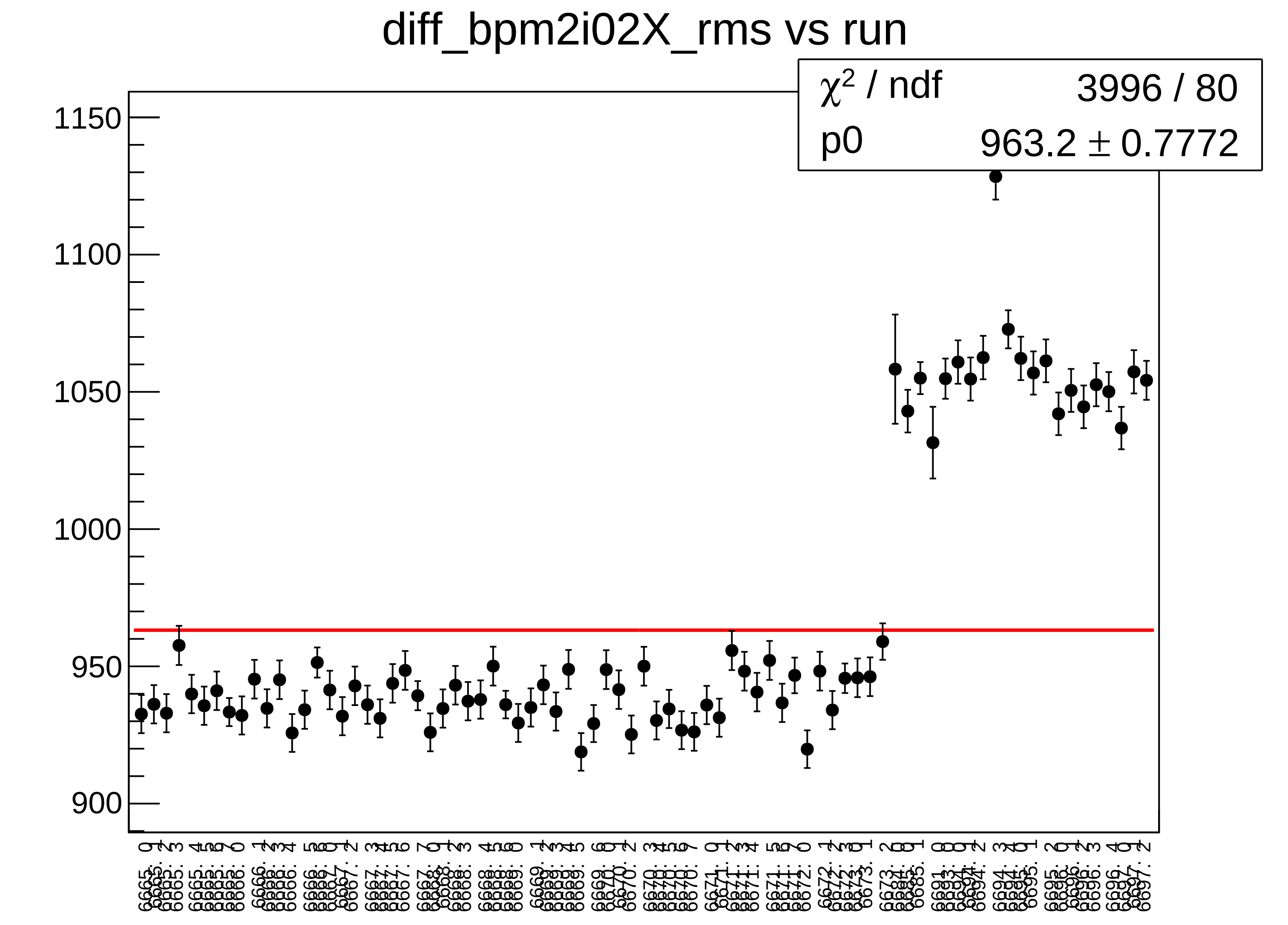
diff_bpm2i02X_mean vs run
χ^2 / ndf 80.92 / 80
p0 1.807 ± 1.099
40
20
0
−20
−40



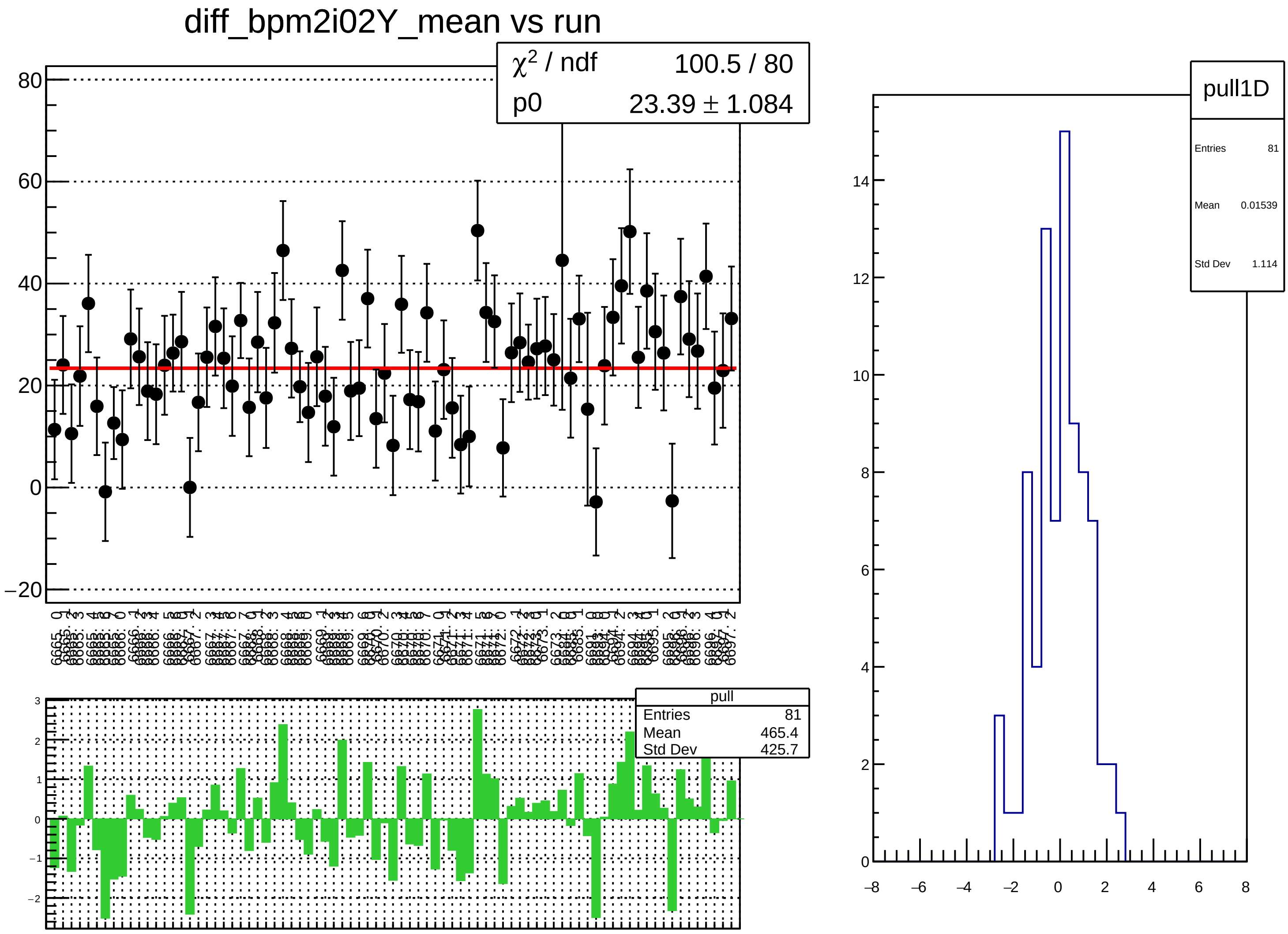
pull
Entries 81
Mean 183.3
Std Dev 160.5



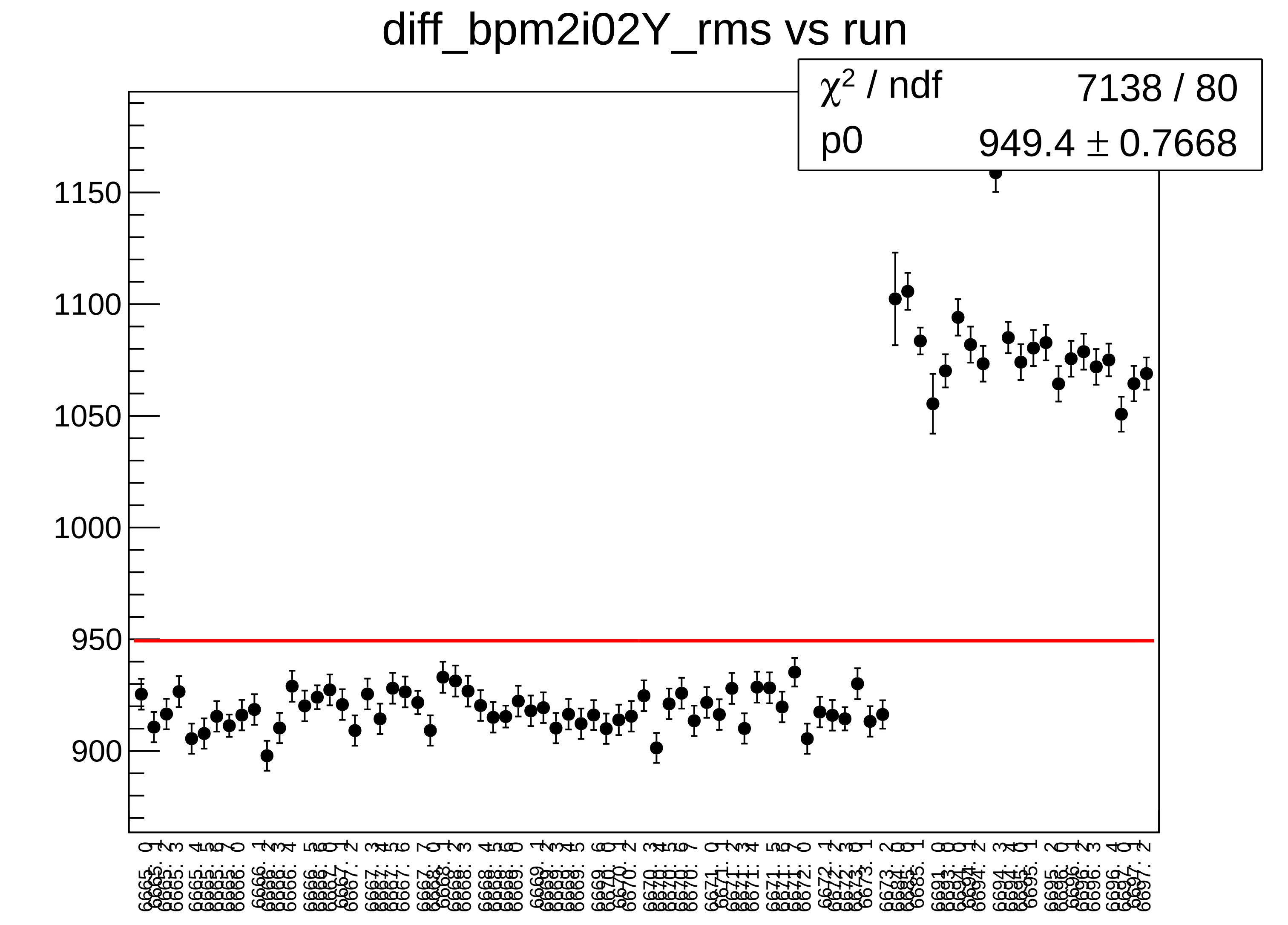
pull1D
Entries 81
Mean −0.01517
Std Dev 0.9994

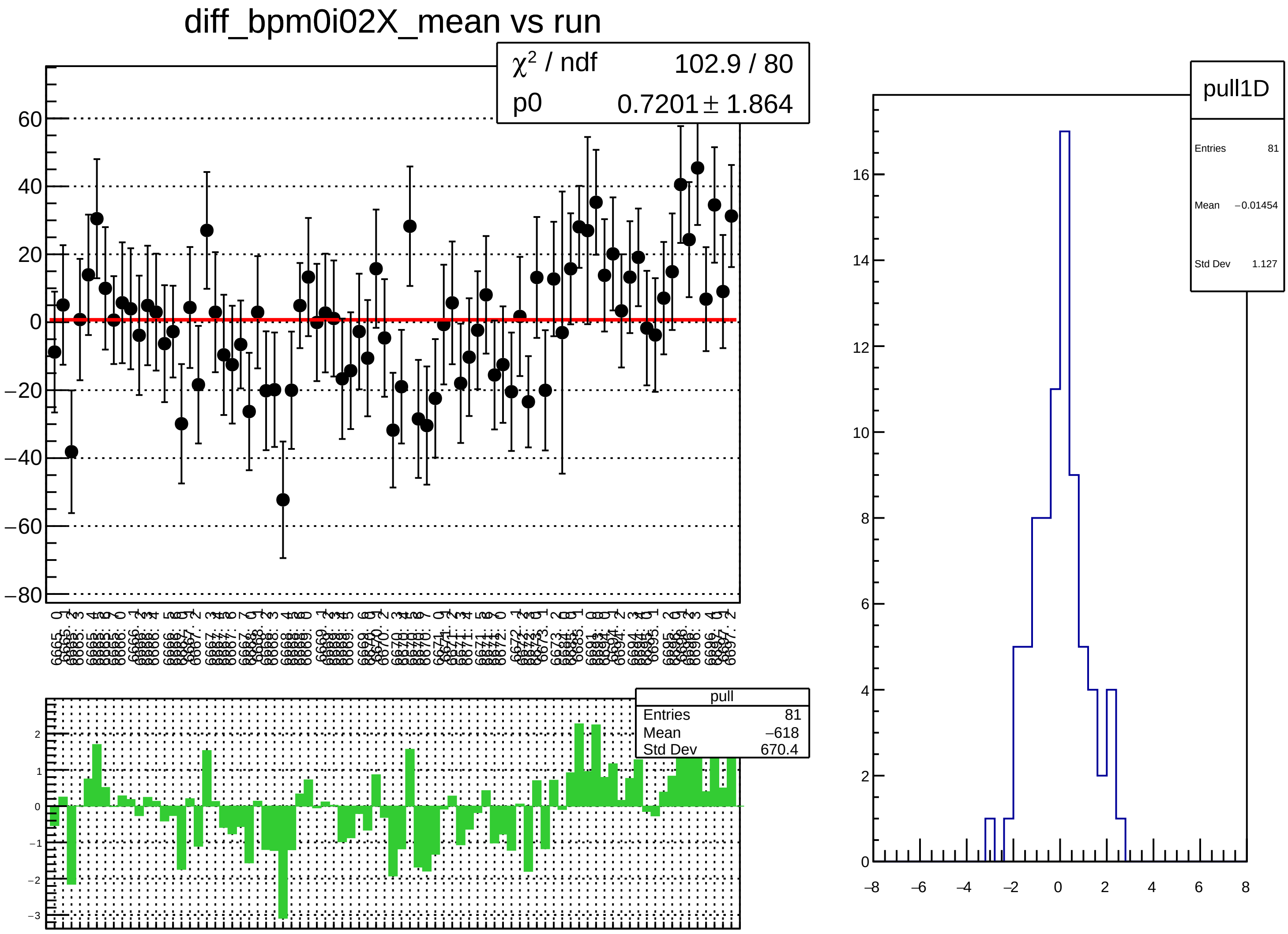


diff_bpm2i02X_rms vs run
χ2 / ndf 3996 / 80
p0 963.2 ± 0.7772
1150
1100
1050
1000
950
900

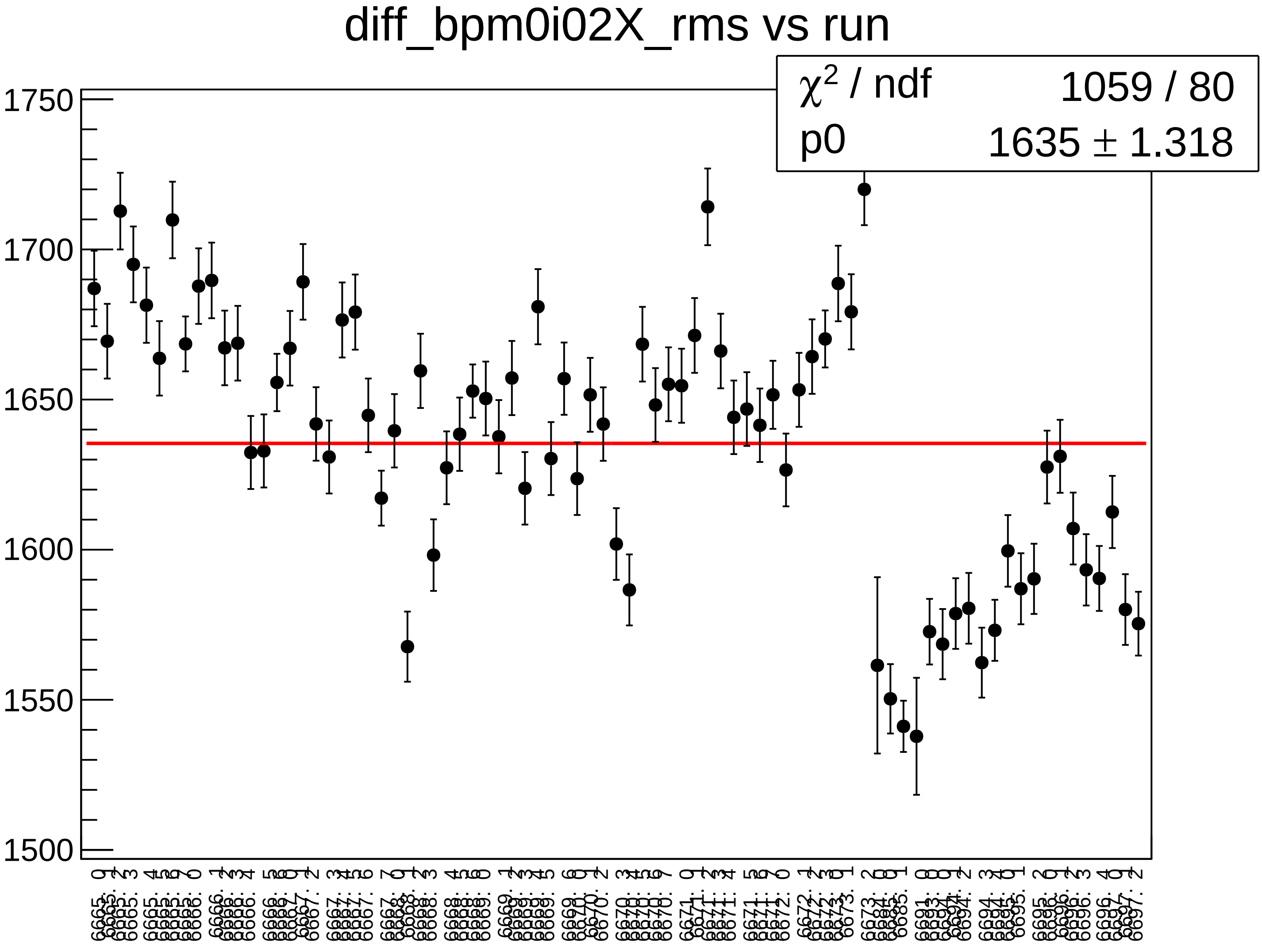


diff_bpm2i02Y_mean vs run
χ^2 / ndf 100.5 / 80
p0 23.39 ± 1.084
pull
Entries 81
Mean 465.4
Std Dev 425.7
pull1D
Entries 81
Mean 0.01539
Std Dev 1.114

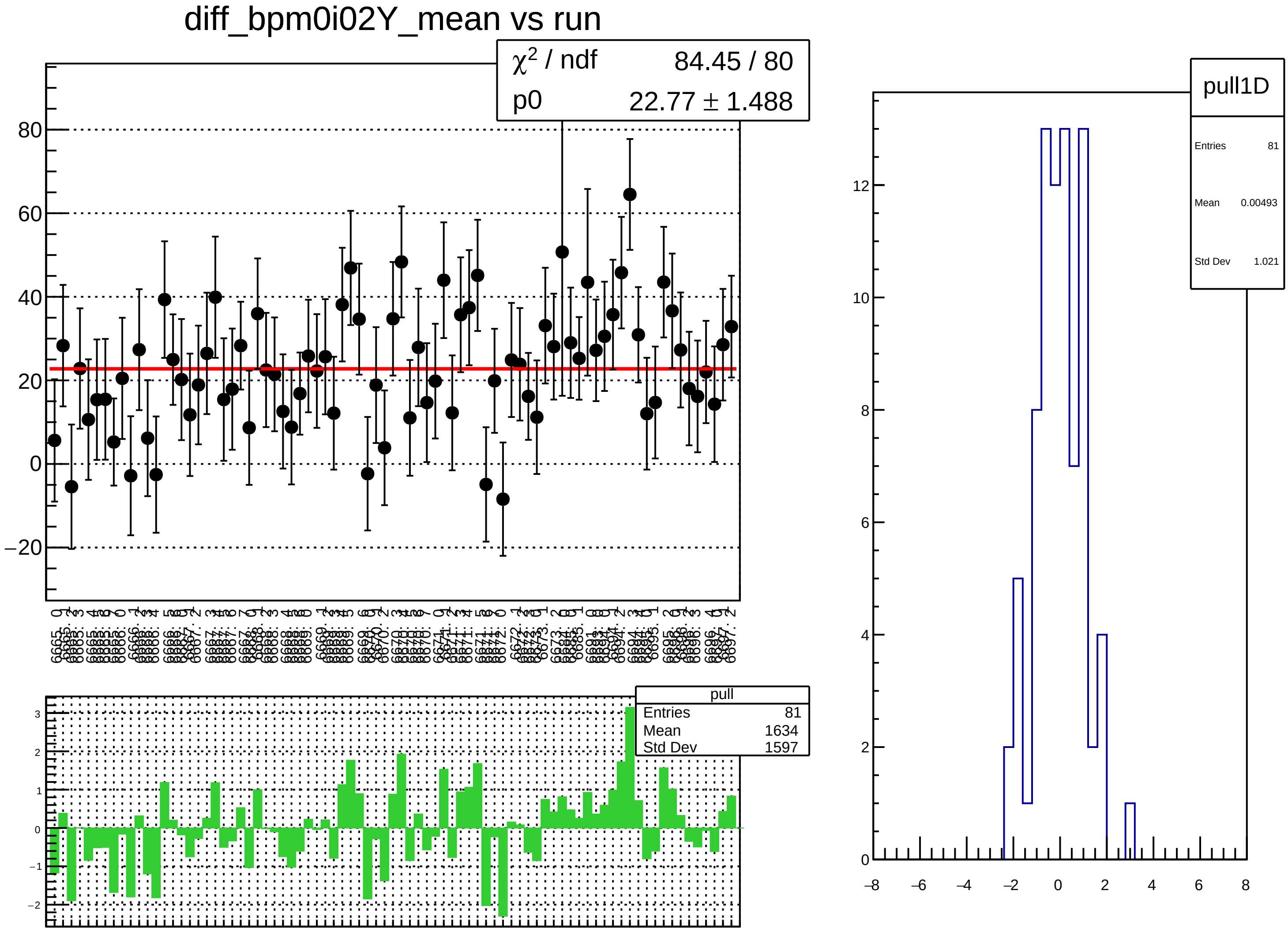

diff_bpm2i02Y_rms vs run
χ2 / ndf 7138 / 80
p0 949.4 ± 0.7668
1150
1100
1050
1000
950
900

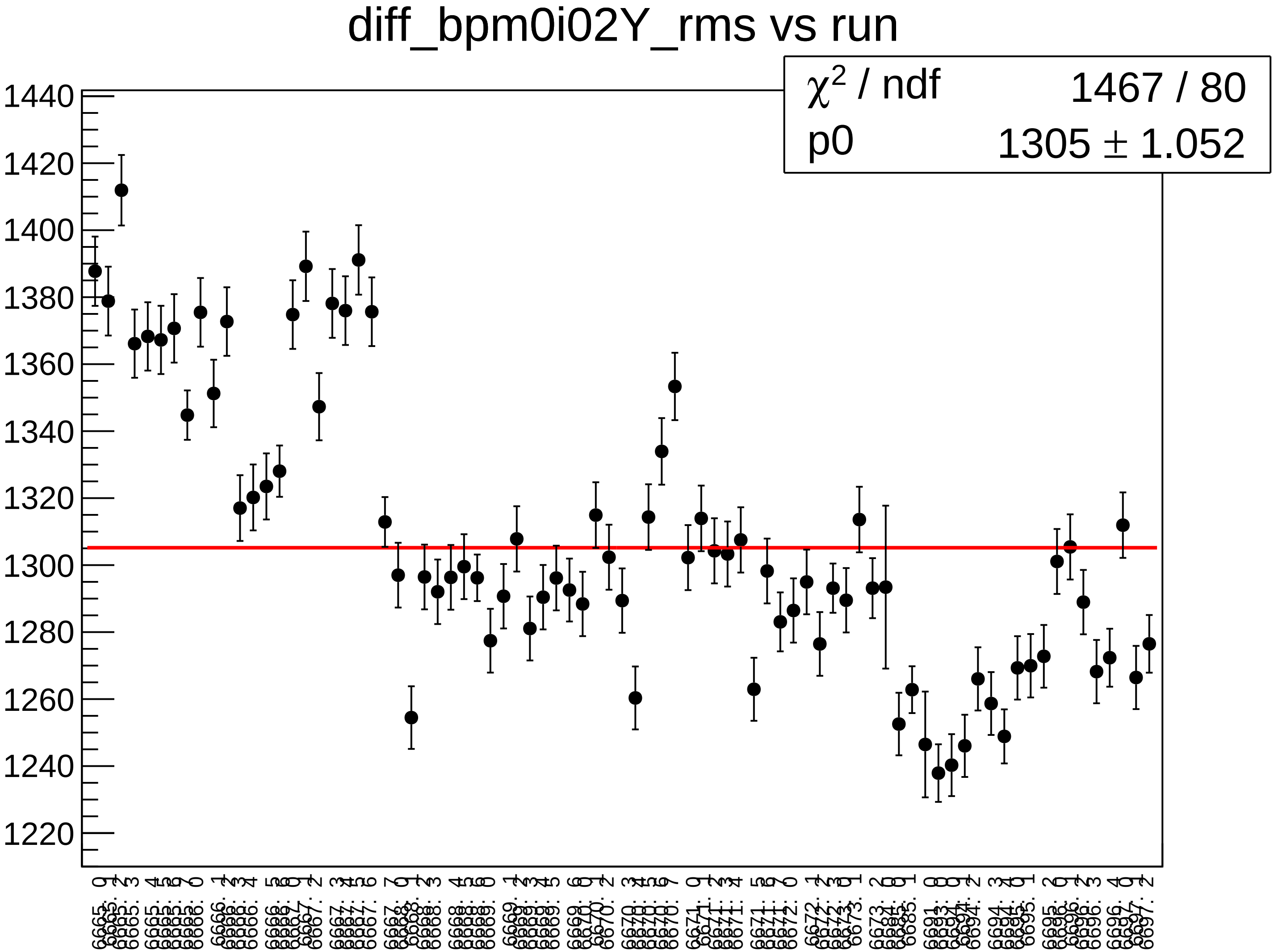


diff_bpm0i02X_mean vs run
χ2 / ndf 102.9 / 80
p0 0.7201 ± 1.864
pull
Entries 81
Mean −618
Std Dev 670.4
pull1D
Entries 81
Mean −0.01454
Std Dev 1.127

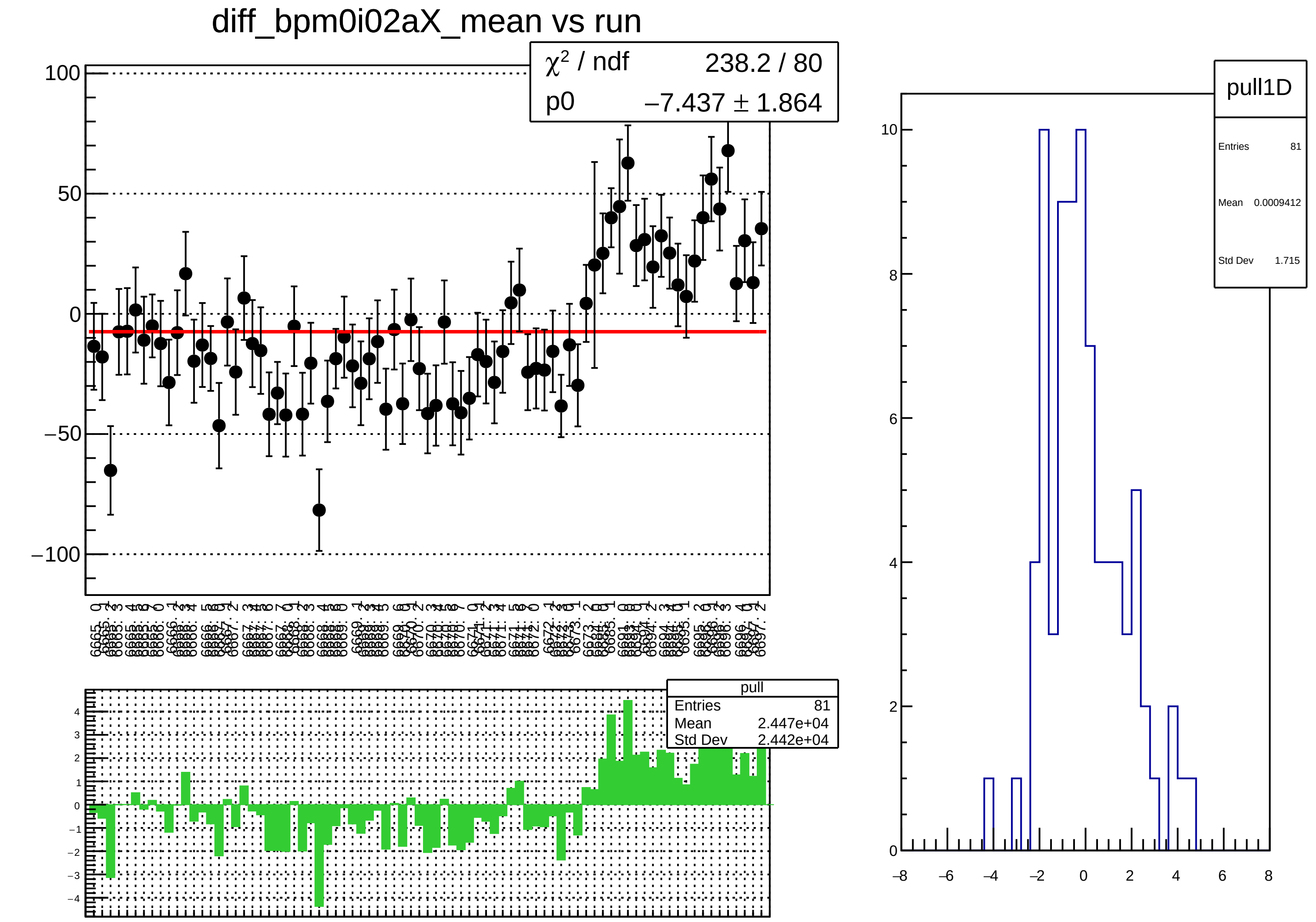


diff_bpm0i02X_rms vs run
χ^2 / ndf 1059 / 80
p0 1635 ± 1.318
1750
1700
1650
1600
1550
1500

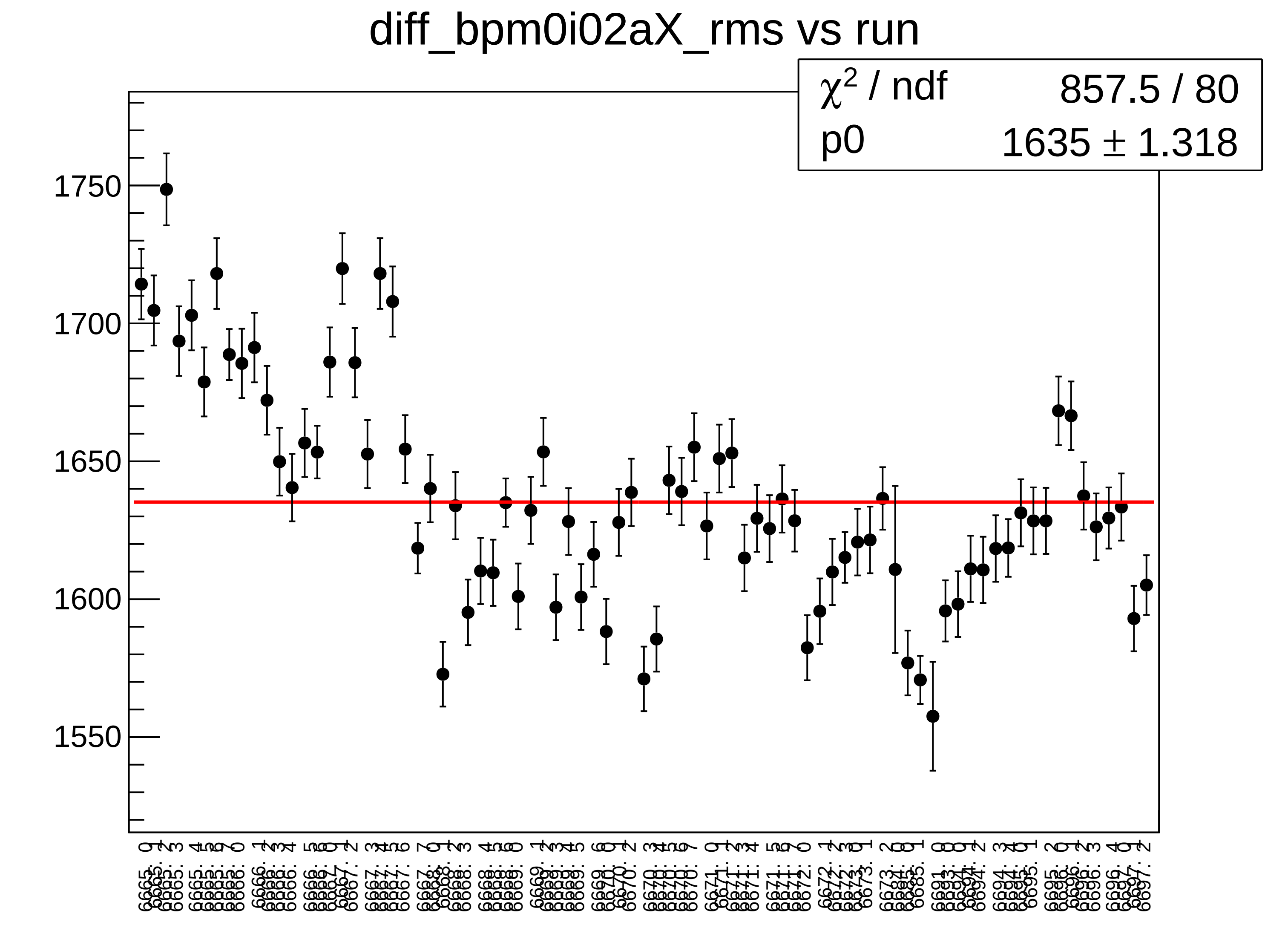

diff_bpm0i02Y_mean vs run
χ^2 / ndf 84.45 / 80
p0 22.77 ± 1.488
pull
Entries 81
Mean 1634
Std Dev 1597
pull1D
Entries 81
Mean 0.00493
Std Dev 1.021



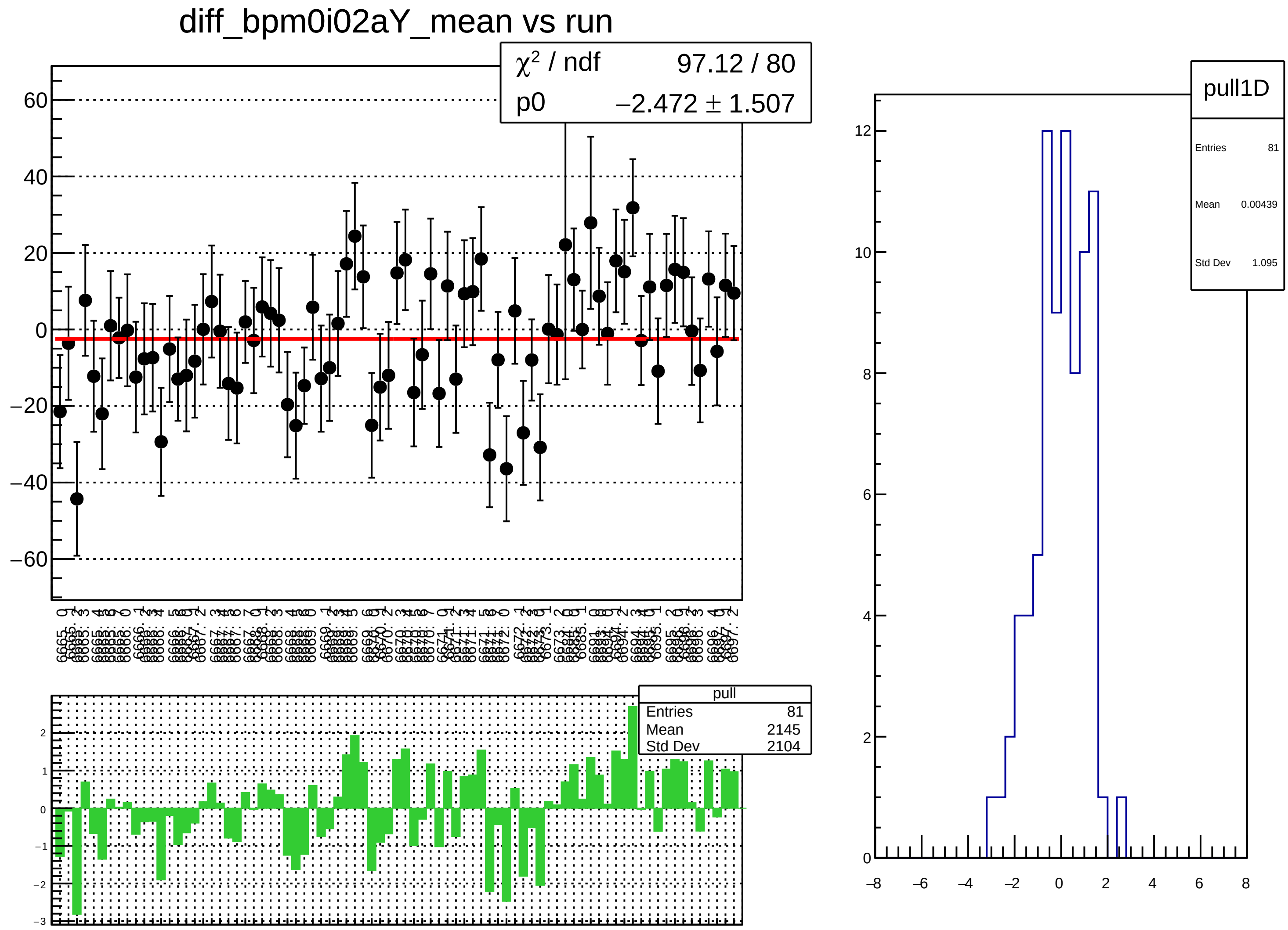
diff_bpm0i02Y_rms vs run
χ^2 / ndf 1467 / 80
p0 1305 ± 1.052
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
1220



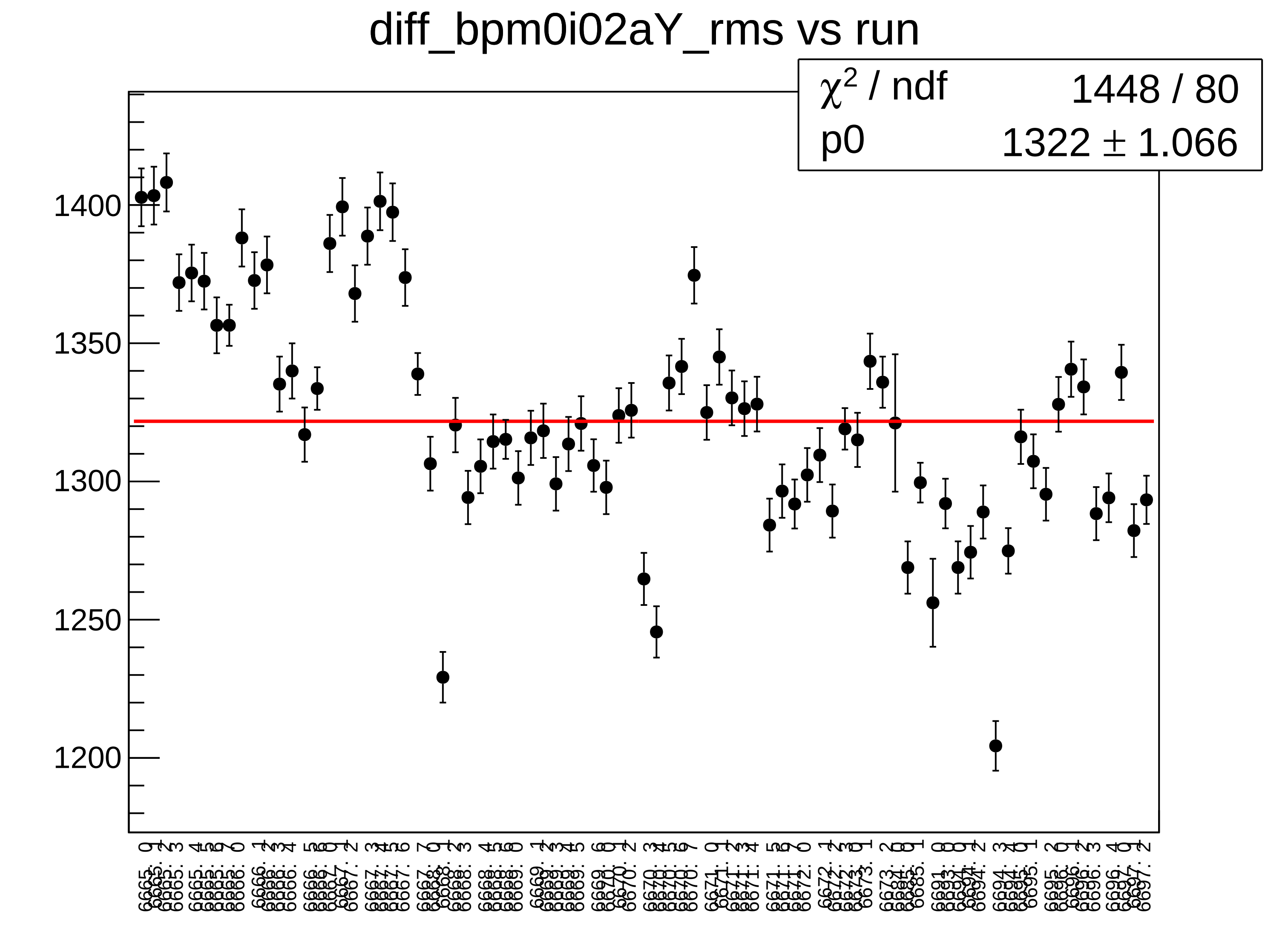
diff_bpm0i02aX_mean vs run
χ^2 / ndf 238.2 / 80
p0 −7.437 ± 1.864
pull
Entries 81
Mean 2.447e+04
Std Dev 2.442e+04
pull1D
Entries 81
Mean 0.0009412
Std Dev 1.715



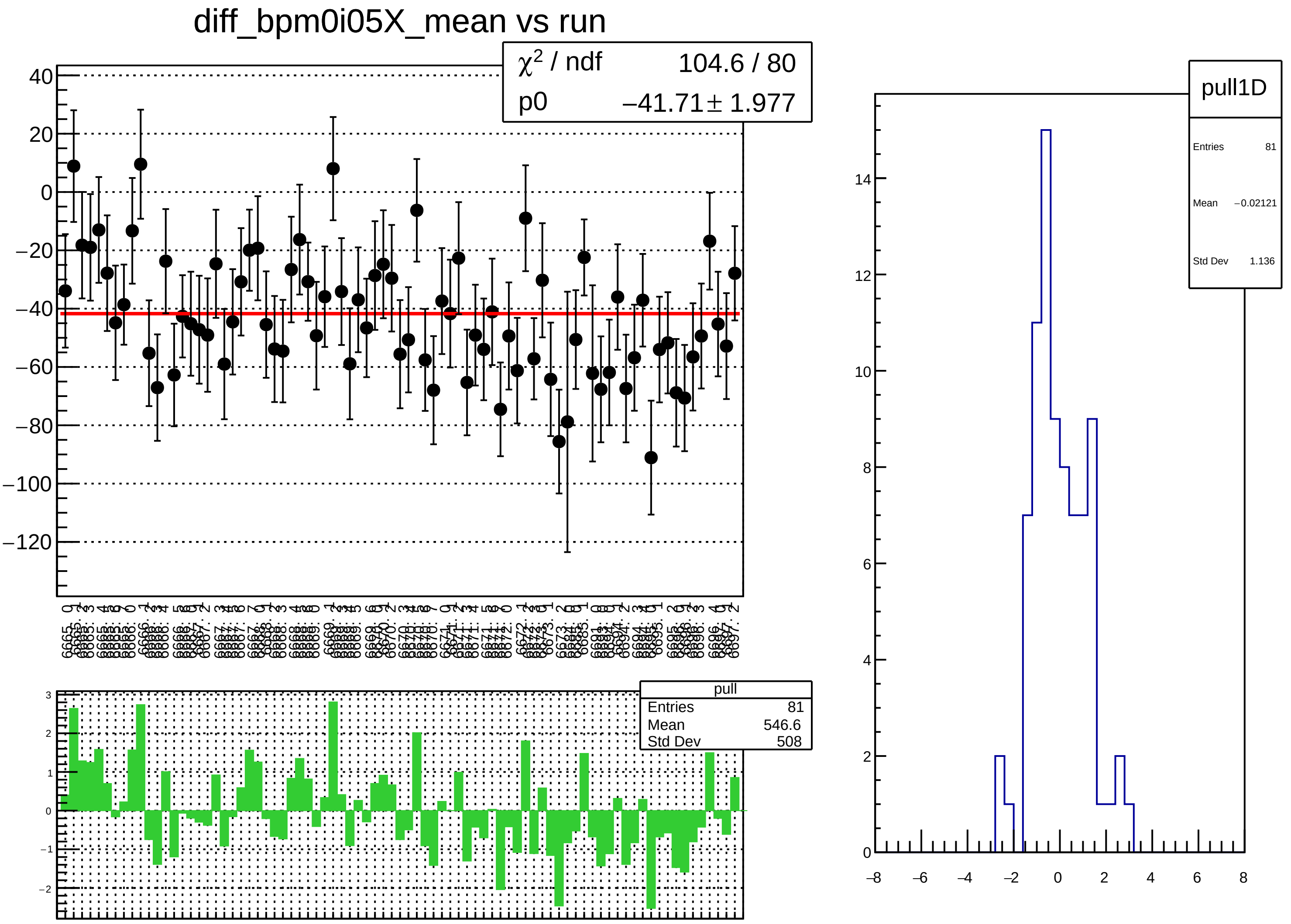
diff_bpm0i02aX_rms vs run
χ^2 / ndf 857.5 / 80
p0 1635 ± 1.318
1750
1700
1650
1600
1550



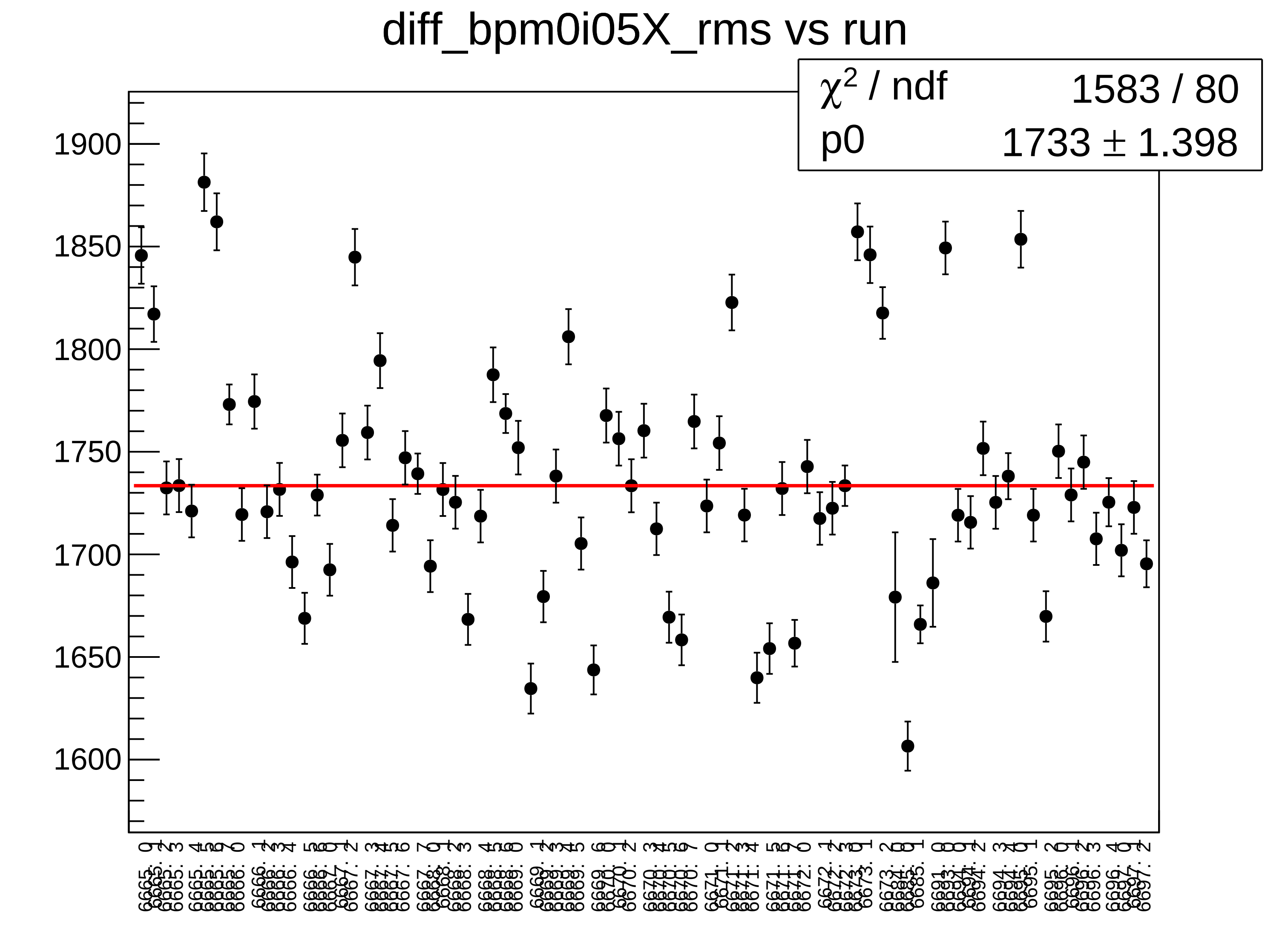
diff_bpm0i02aY_mean vs run
χ^2 / ndf 97.12 / 80
p0 −2.472 ± 1.507
pull
Entries 81
Mean 2145
Std Dev 2104
pull1D
Entries 81
Mean 0.00439
Std Dev 1.095

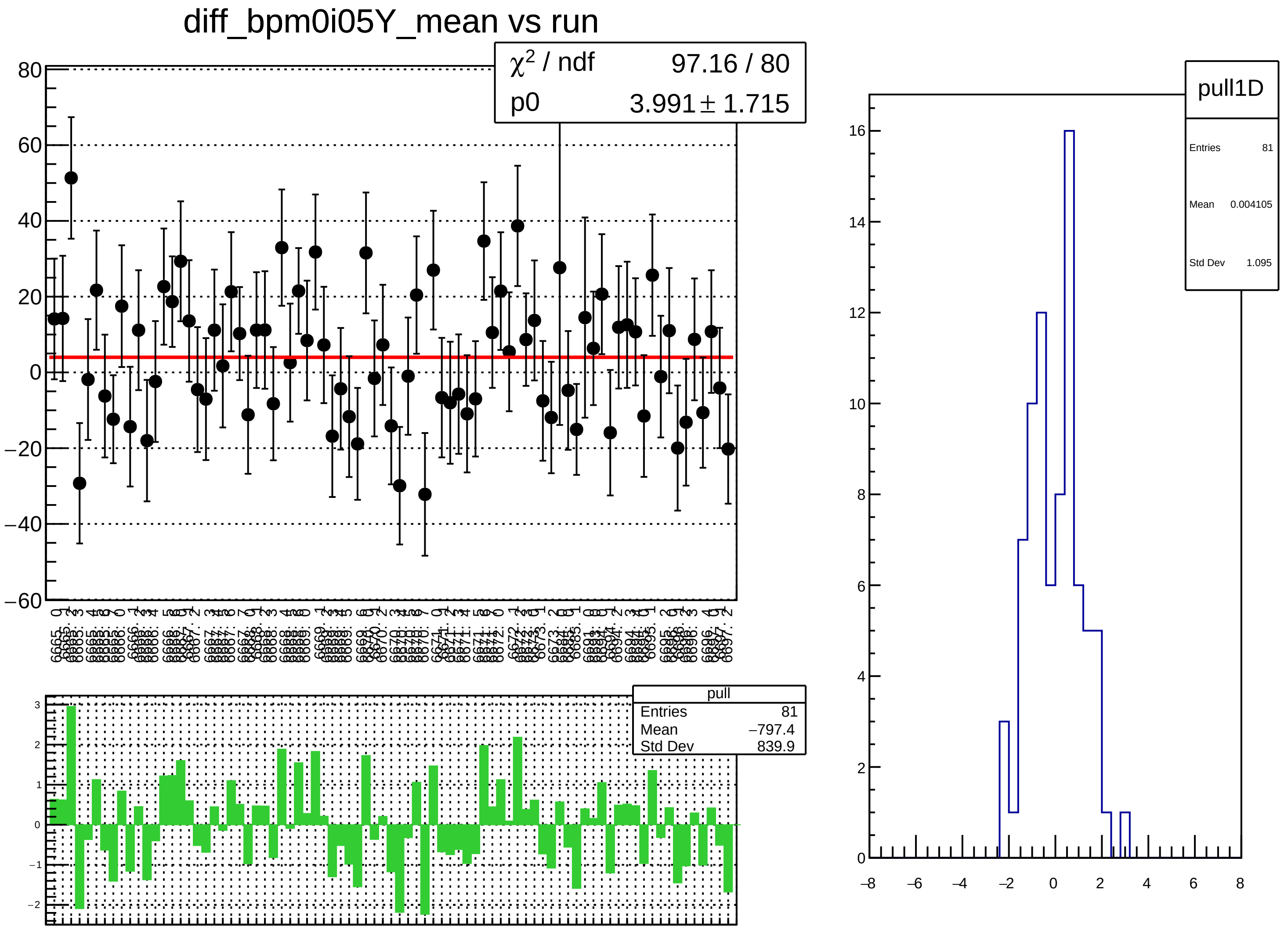


diff_bpm0i02aY_rms vs run
χ2 / ndf 1448 / 80
p0 1322 ± 1.066
1400
1350
1300
1250
1200

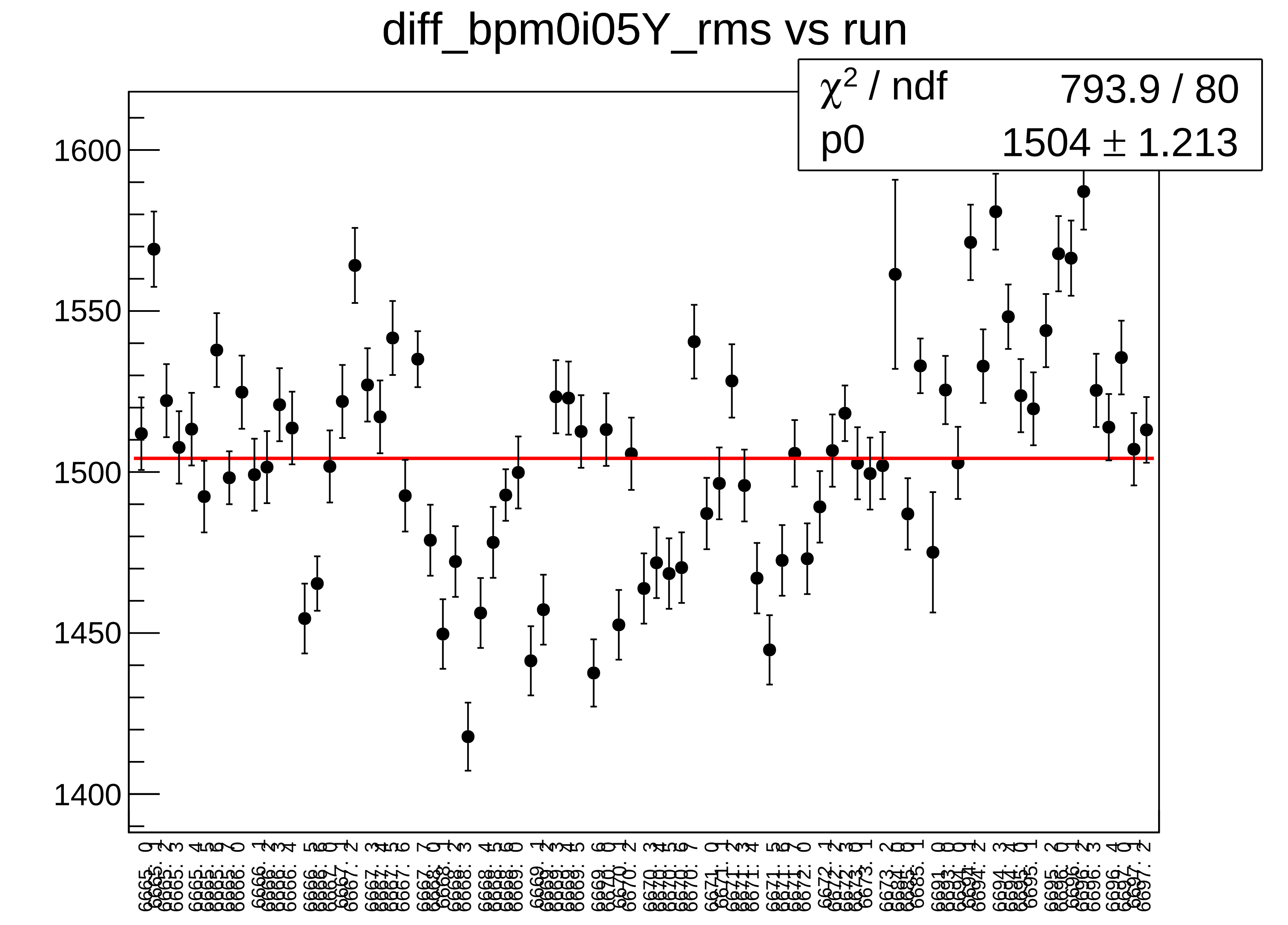


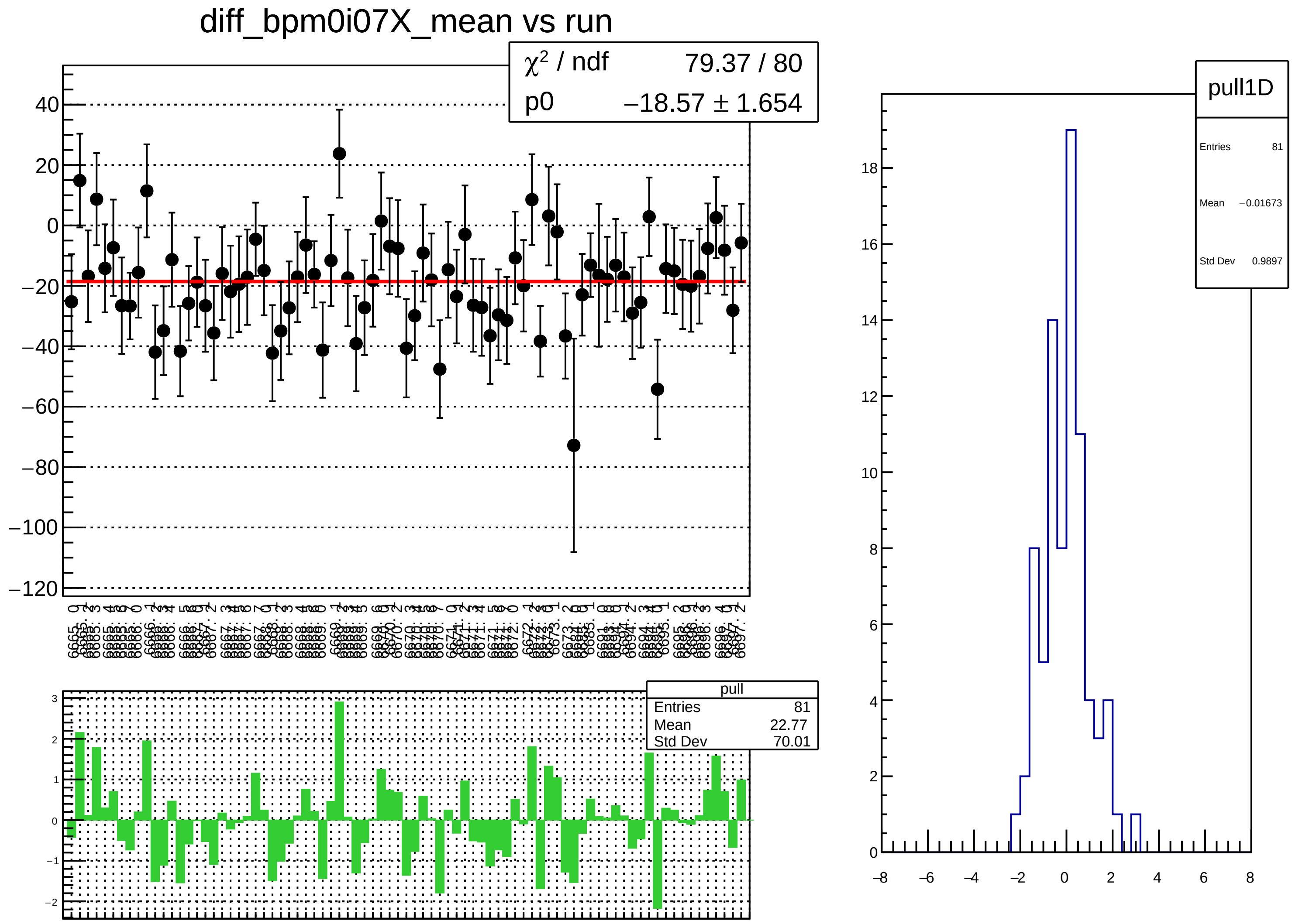
diff_bpm0i05X_mean vs run
χ^2 / ndf 104.6 / 80
p0 −41.71 ± 1.977
pull
Entries 81
Mean 546.6
Std Dev 508
pull1D
Entries 81
Mean −0.02121
Std Dev 1.136

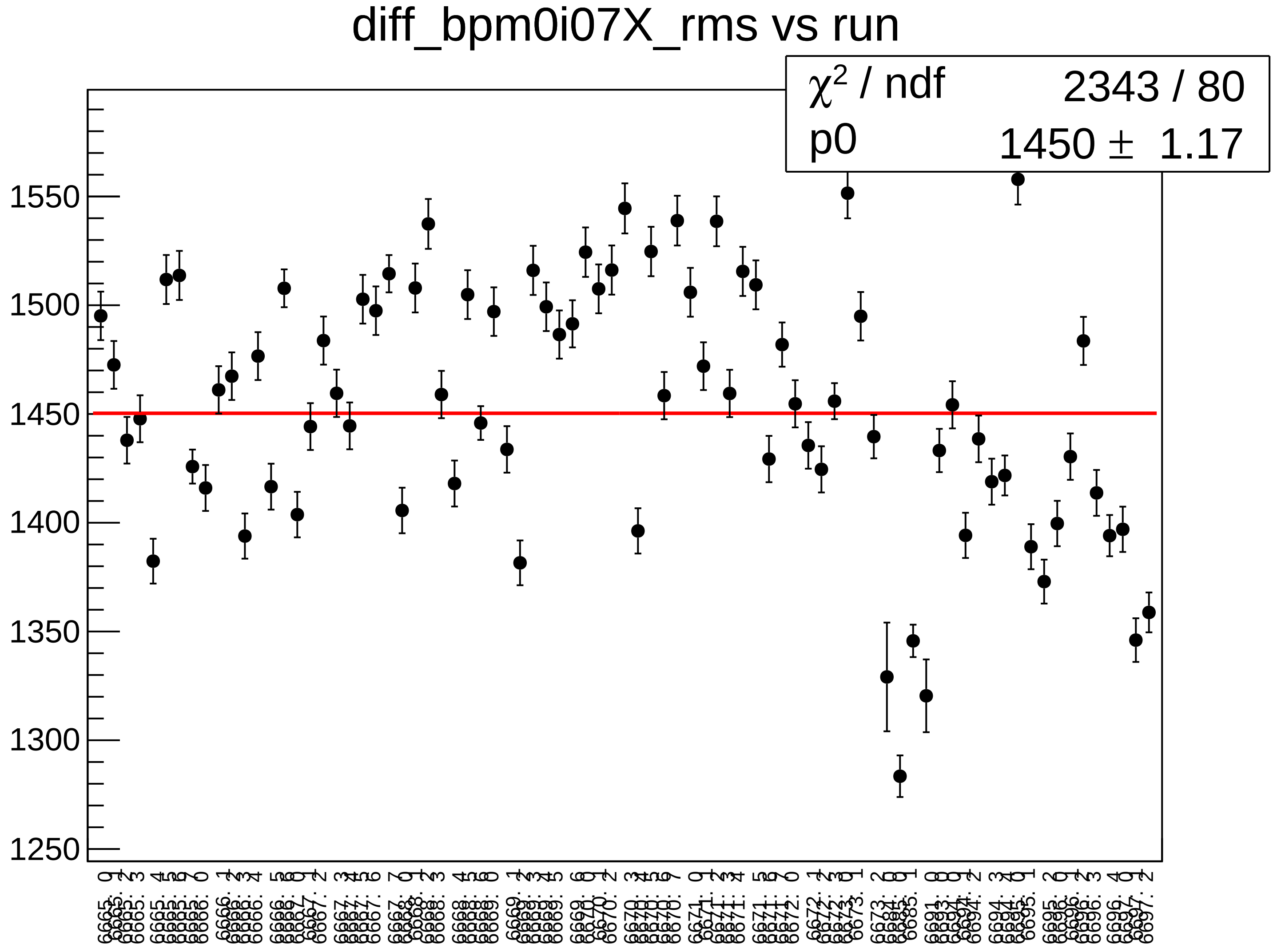

diff_bpm0i05X_rms vs run
χ^2 / ndf 1583 / 80
p0 1733 ± 1.398
1900
1850
1800
1750
1700
1650
1600



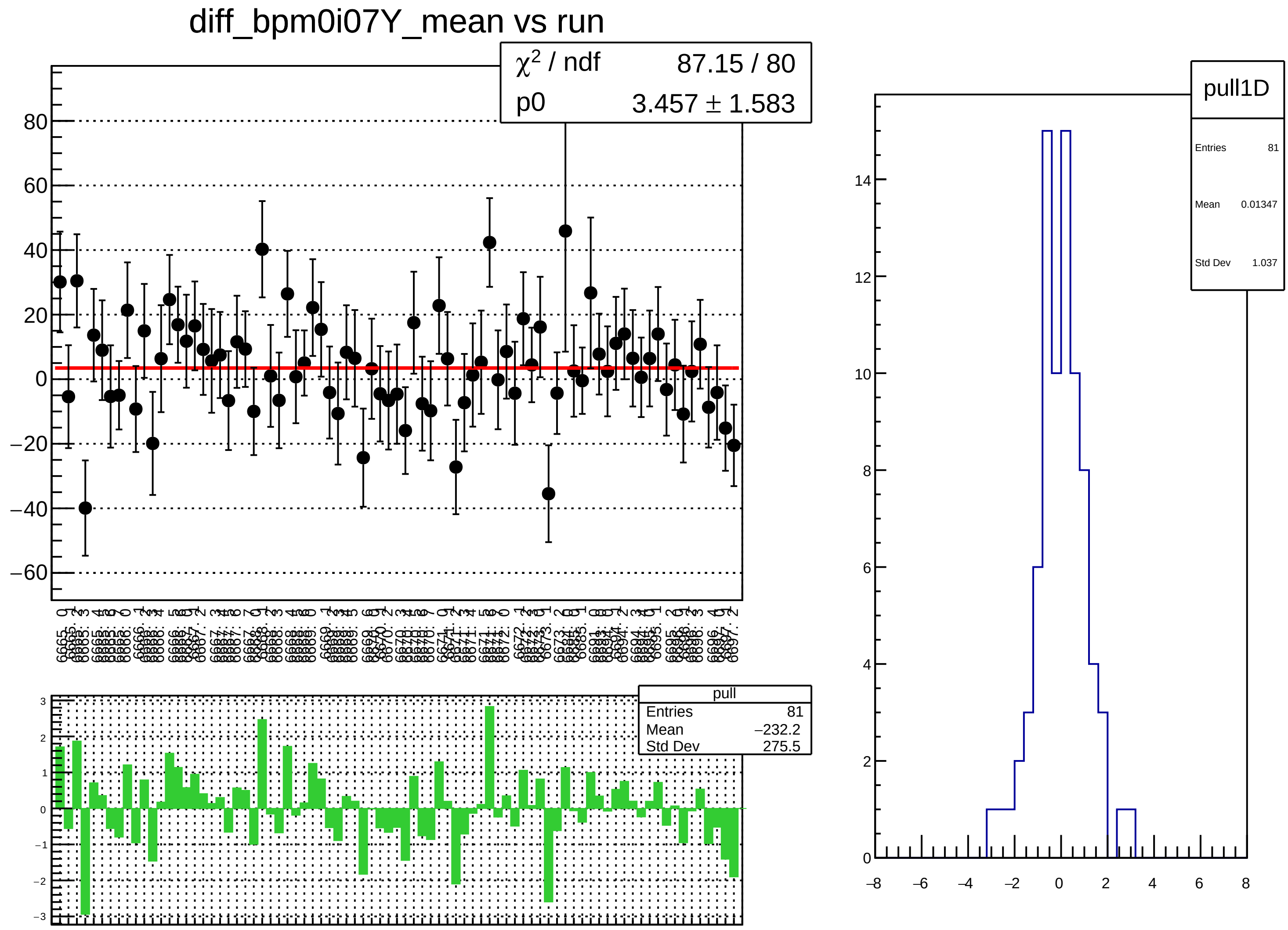
diff_bpm0i05Y_mean vs run
χ2 / ndf 97.16 / 80
p0 3.991 ± 1.715
pull
Entries 81
Mean −797.4
Std Dev 839.9
pull1D
Entries 81
Mean 0.004105
Std Dev 1.095


diff_bpm0i05Y_rms vs run
χ^2 / ndf 793.9 / 80
p0 1504 ± 1.213
1600
1550
1500
1450
1400

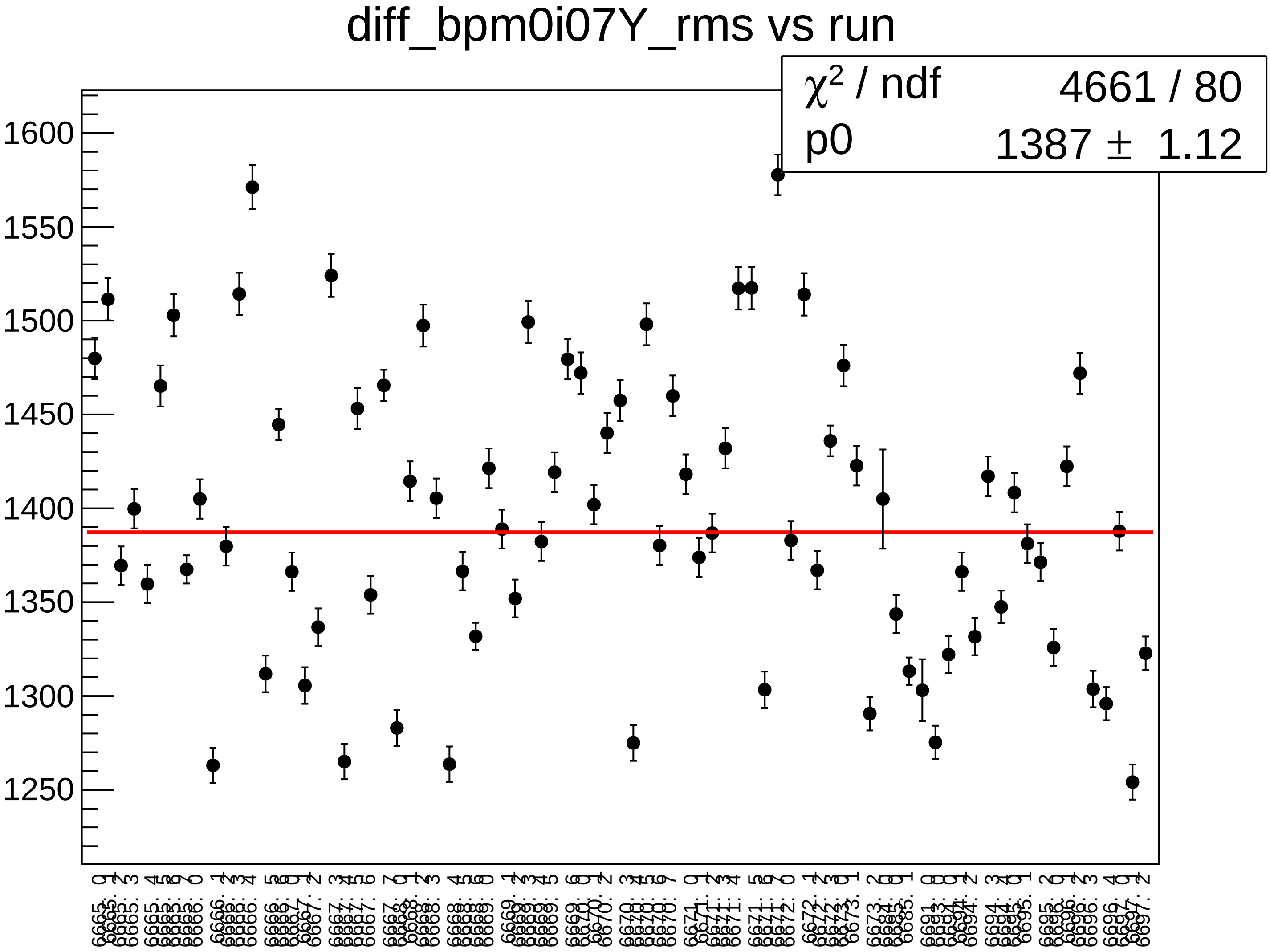

diff_bpm0i07X_mean vs run
χ^2 / ndf 79.37 / 80
p0 −18.57 ± 1.654
pull
Entries 81
Mean 22.77
Std Dev 70.01
pull1D
Entries 81
Mean −0.01673
Std Dev 0.9897



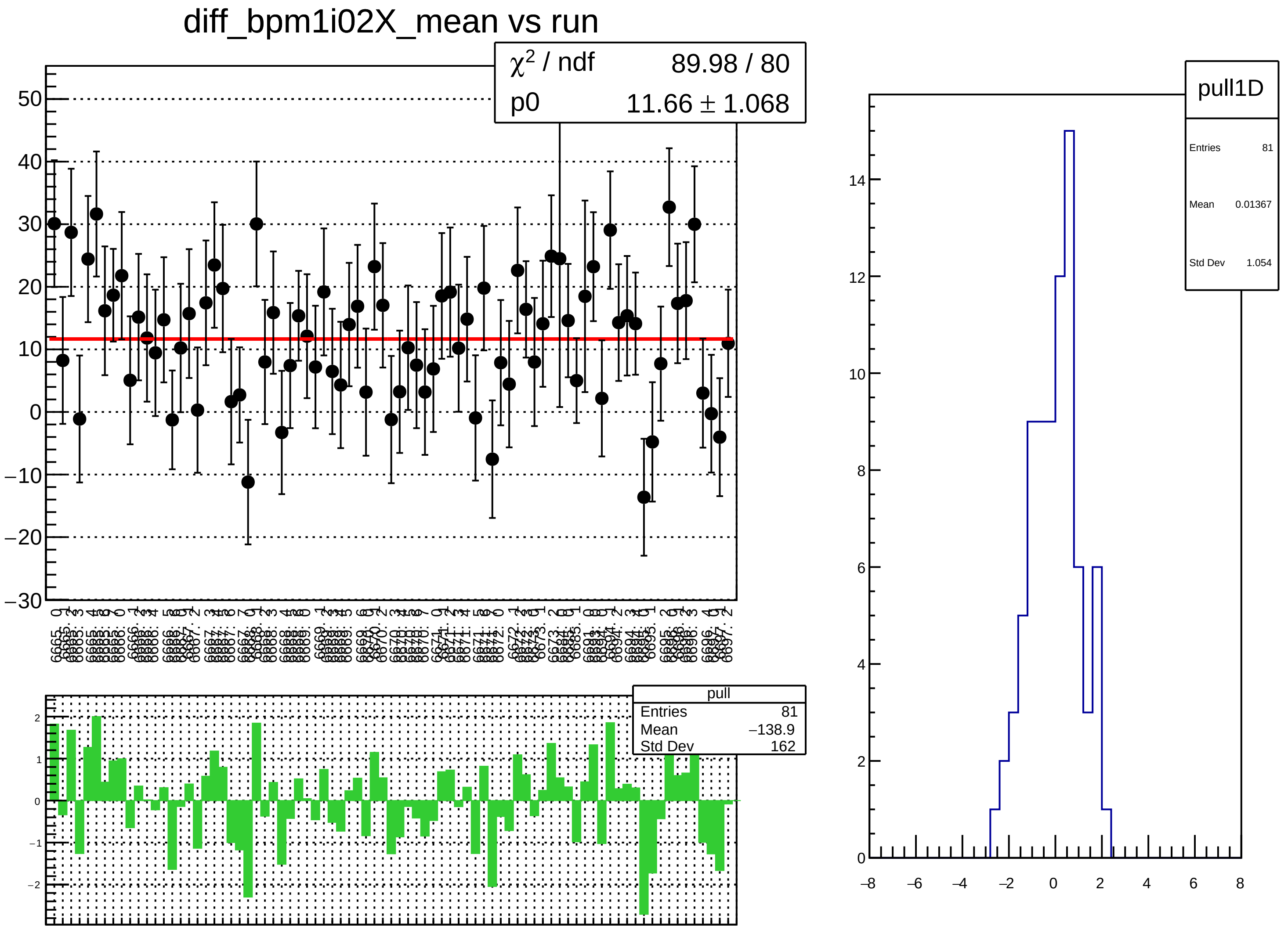
diff_bpm0i07X_rms vs run
χ2 / ndf 2343 / 80
p0 1450 ± 1.17
1550
1500
1450
1400
1350
1300
1250



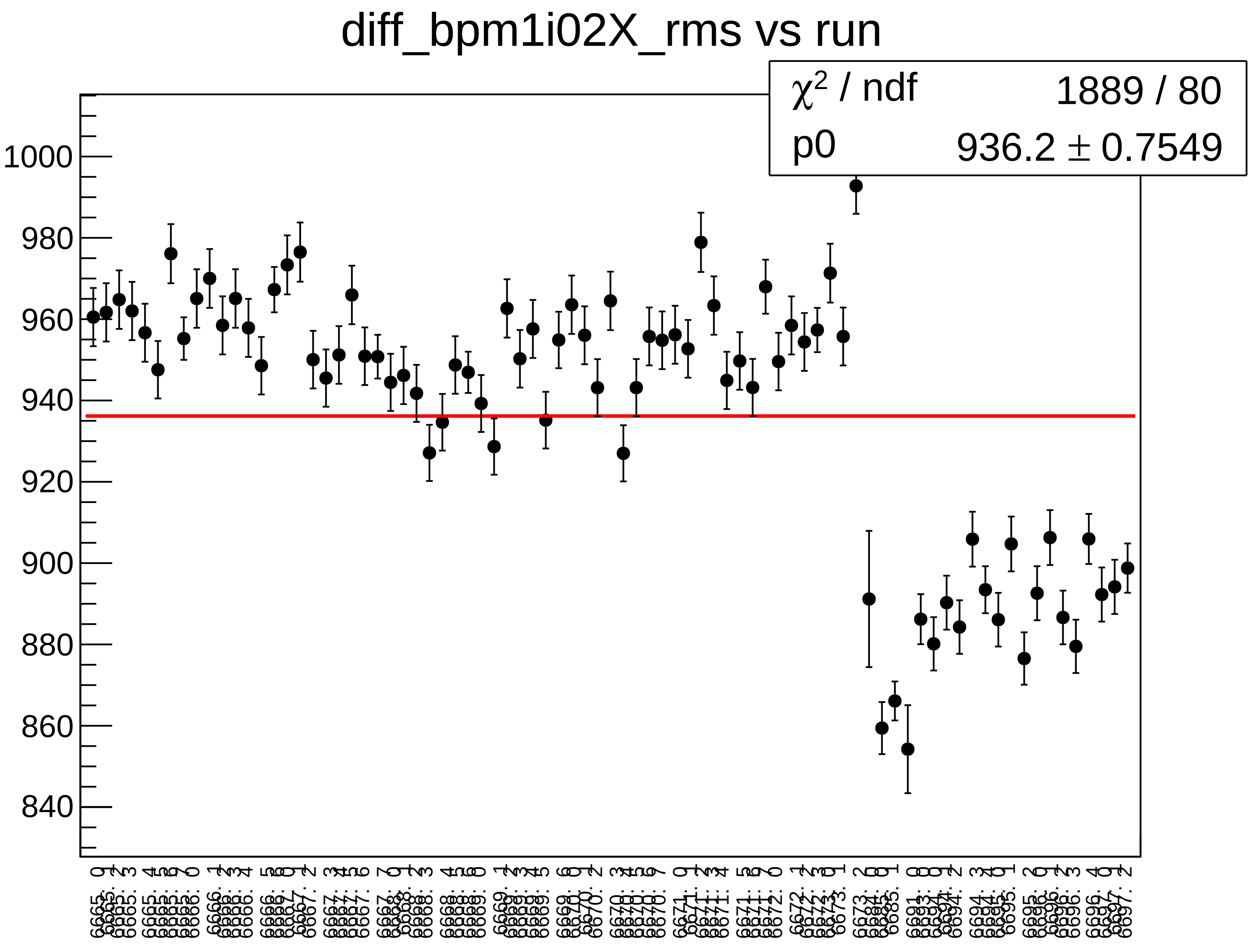
diff_bpm0i07Y_mean vs run
χ2 / ndf 87.15 / 80
p0 3.457 ± 1.583
pull
Entries 81
Mean −232.2
Std Dev 275.5
pull1D
Entries 81
Mean 0.01347
Std Dev 1.037

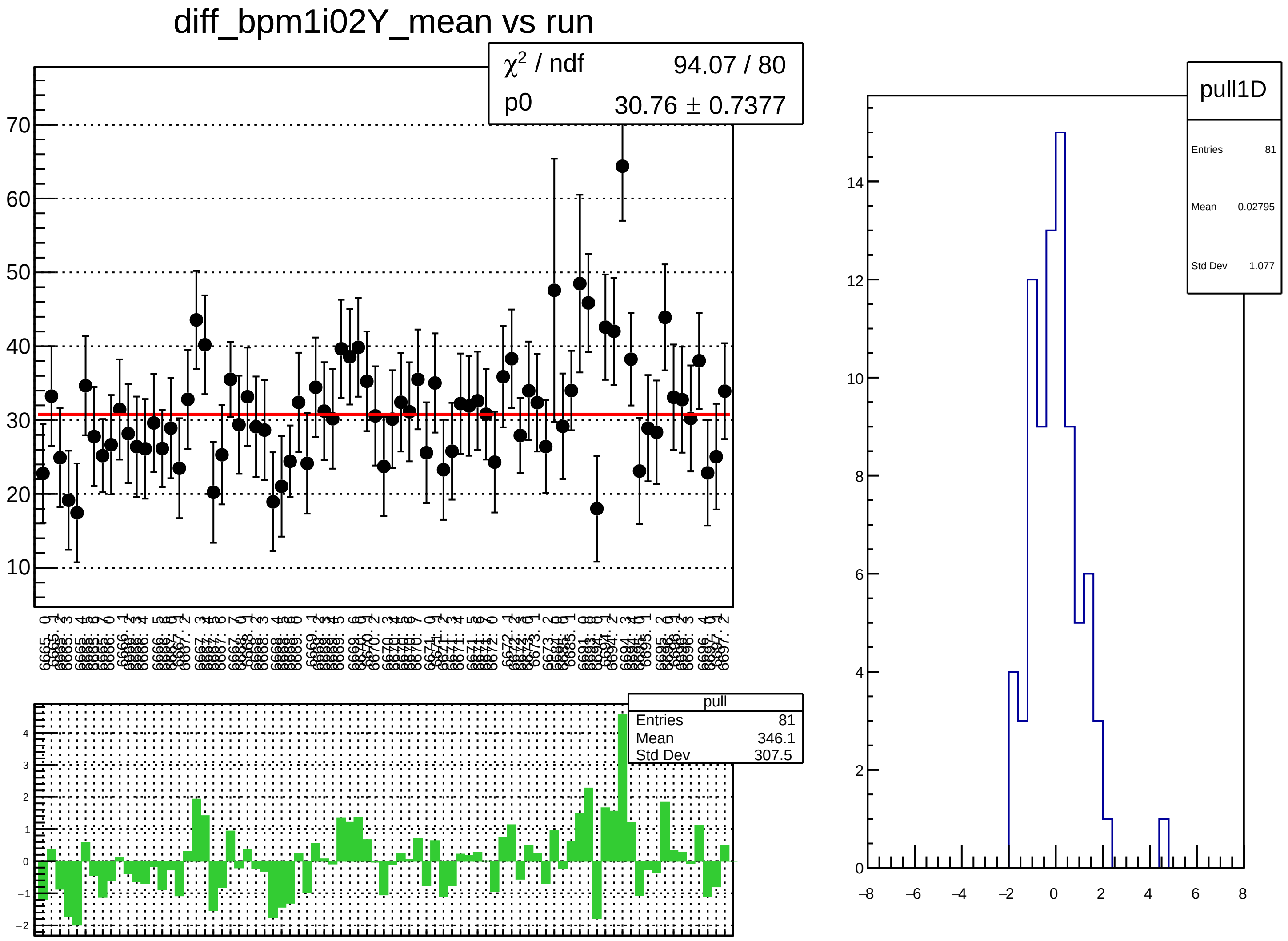


diff_bpm0i07Y_rms vs run
χ2 / ndf 4661 / 80
p0 1387 ± 1.12
1600
1550
1500
1450
1400
1350
1300
1250

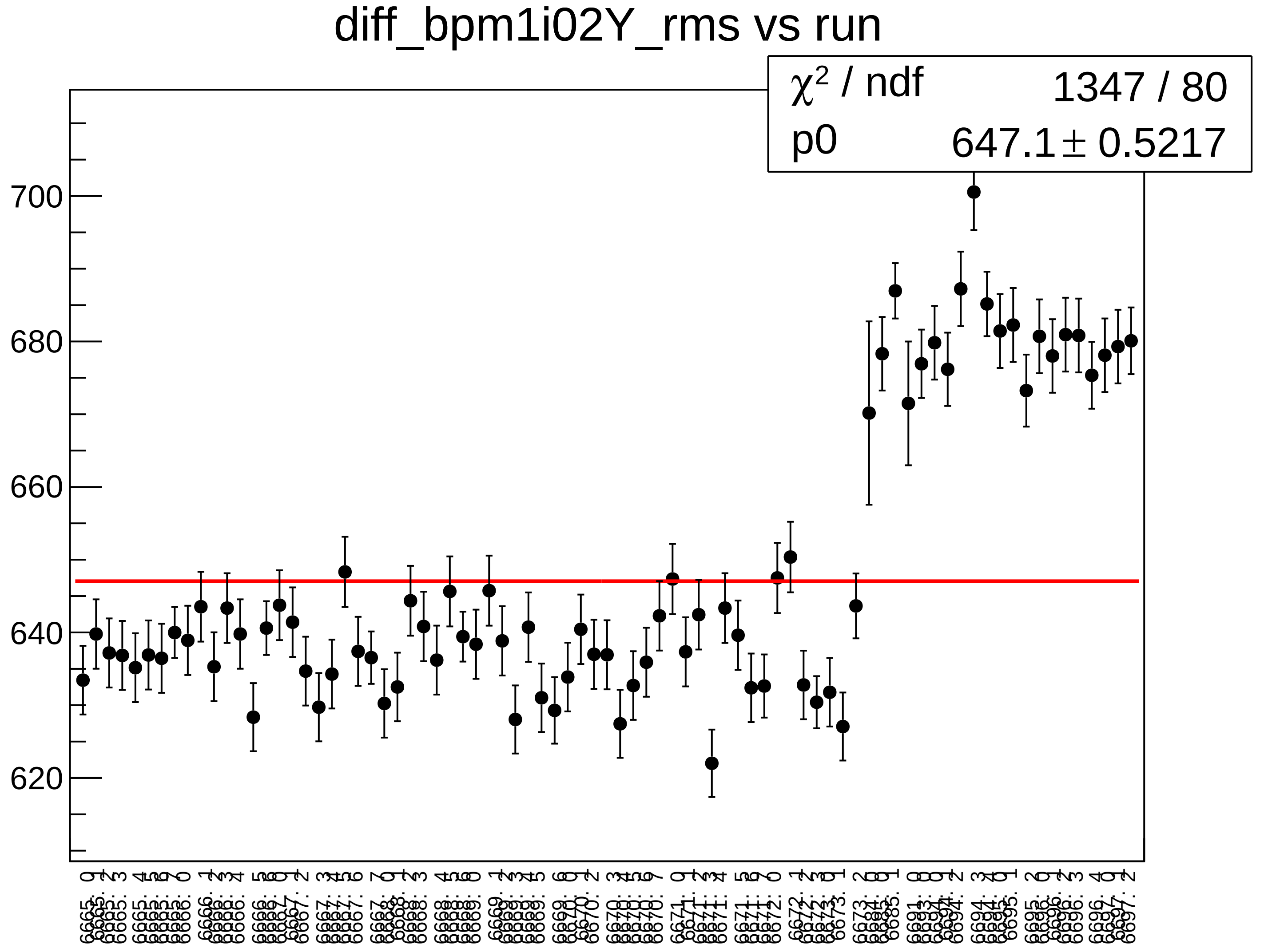


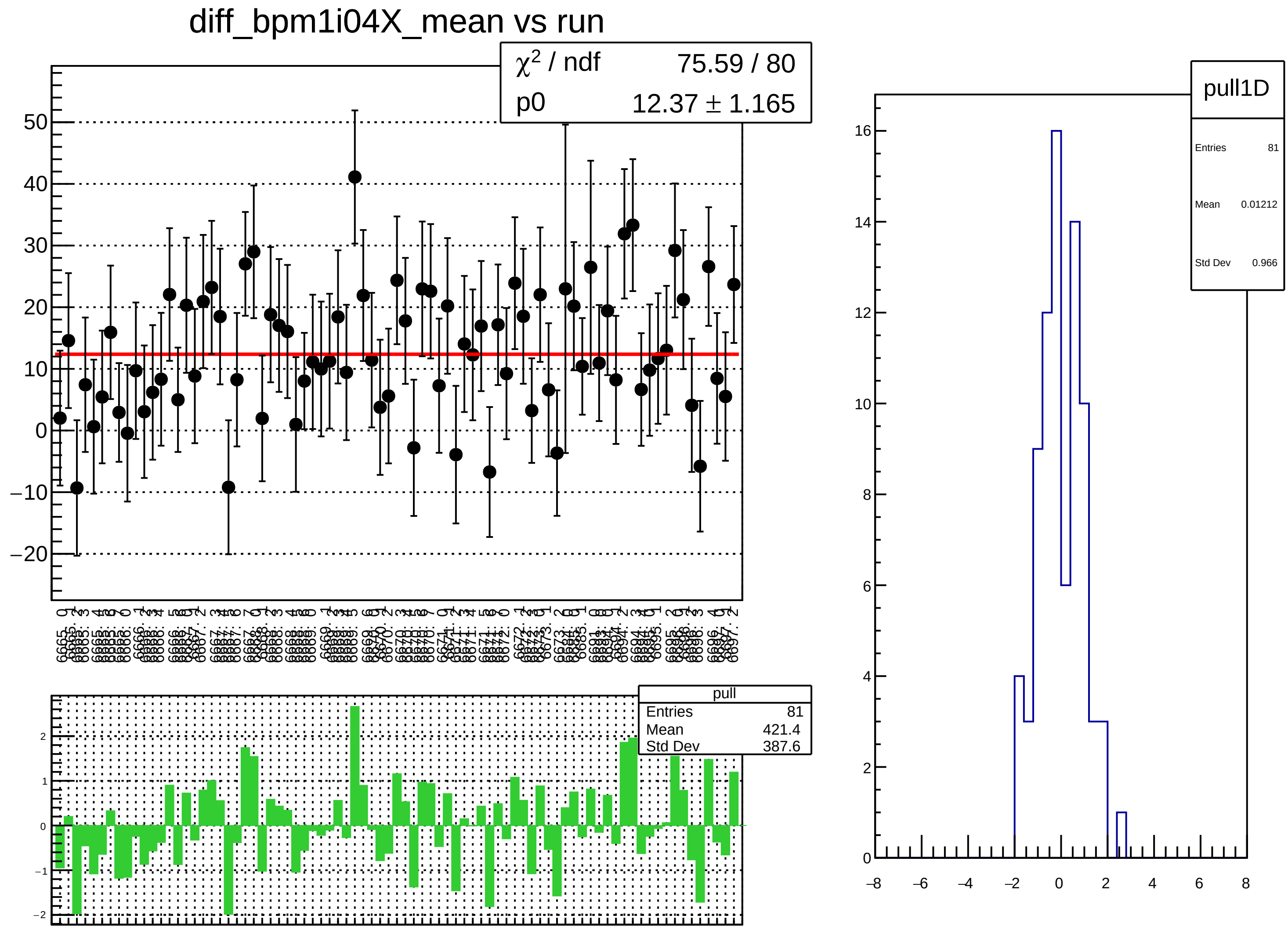
diff_bpm1i02X_mean vs run
χ2 / ndf 89.98 / 80
p0 11.66 ± 1.068
pull
Entries 81
Mean −138.9
Std Dev 162
pull1D
Entries 81
Mean 0.01367
Std Dev 1.054

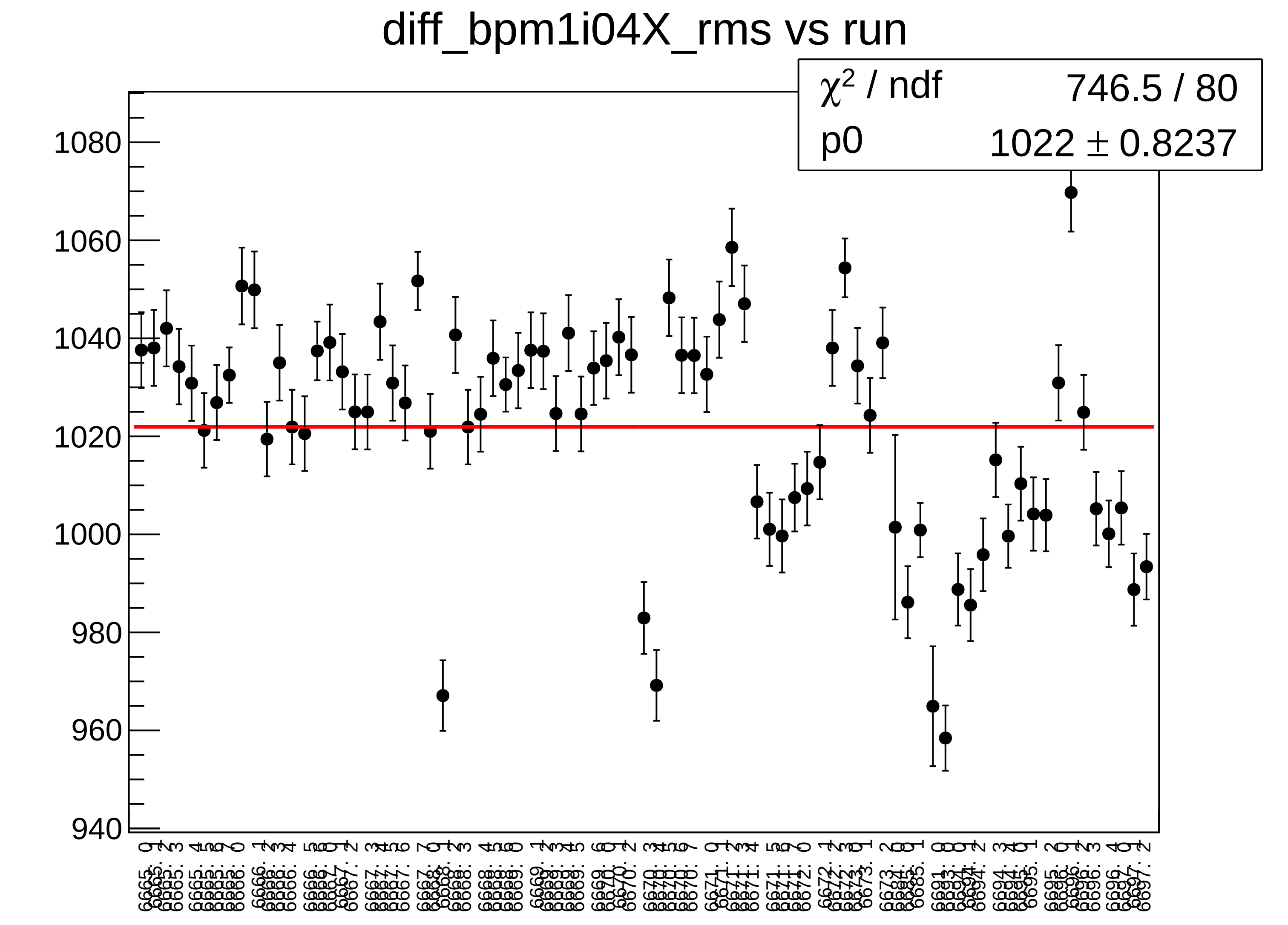

diff_bpm1i02X_rms vs run
χ^2 / ndf 1889 / 80
p0 936.2 ± 0.7549
1000
980
960
940
920
900
880
860
840



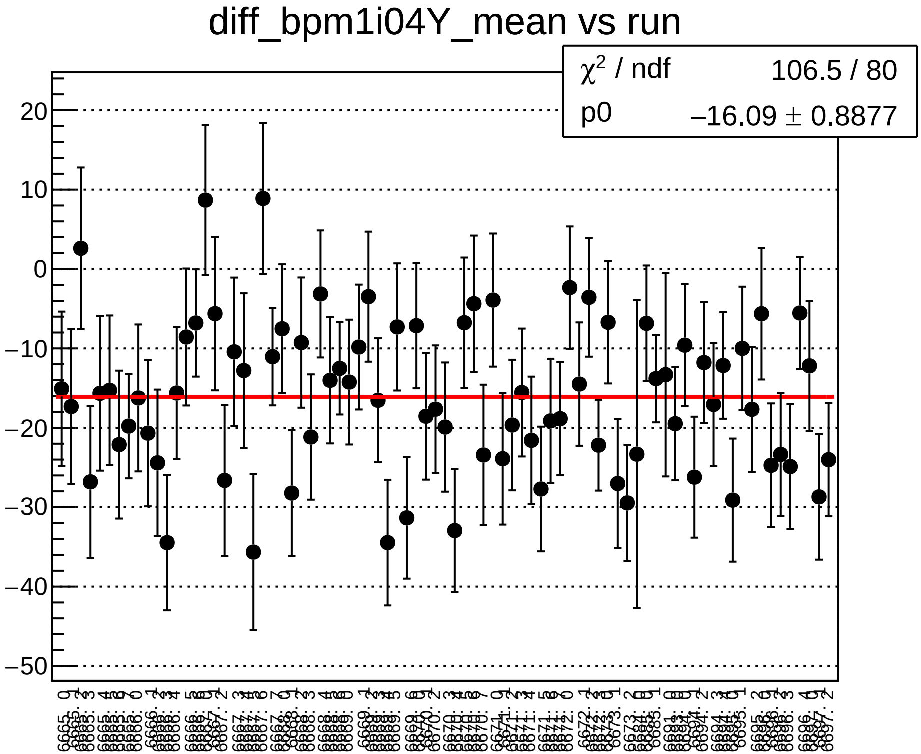
diff_bpm1i02Y_mean vs run
χ^2 / ndf 94.07 / 80
p0 30.76 ± 0.7377
pull
Entries 81
Mean 346.1
Std Dev 307.5
pull1D
Entries 81
Mean 0.02795
Std Dev 1.077

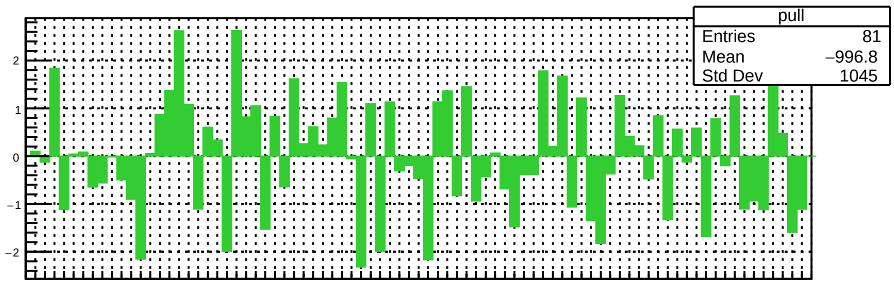

diff_bpm1i02Y_rms vs run
χ2 / ndf 1347 / 80
p0 647.1 ± 0.5217
700
680
660
640
620

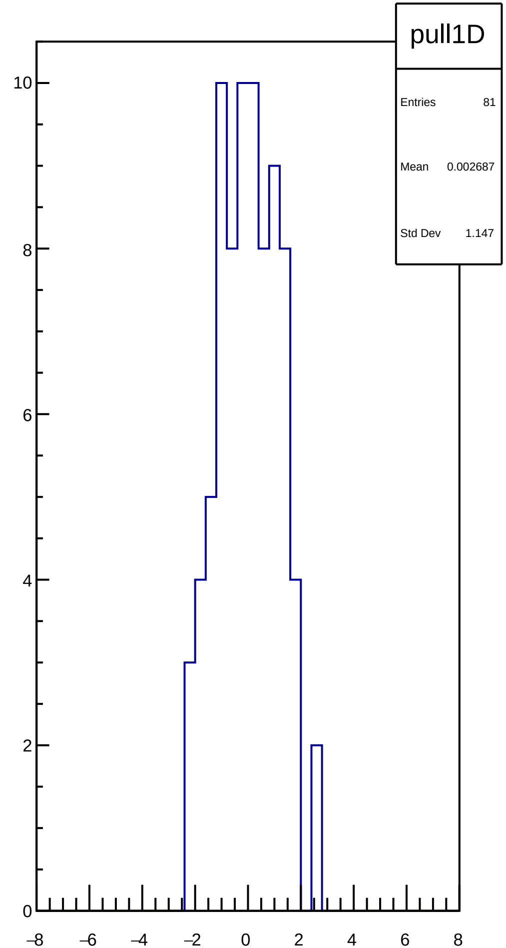

diff_bpm1i04X_mean vs run
χ2 / ndf 75.59 / 80
p0 12.37 ± 1.165
pull
Entries 81
Mean 421.4
Std Dev 387.6
pull1D
Entries 81
Mean 0.01212
Std Dev 0.966

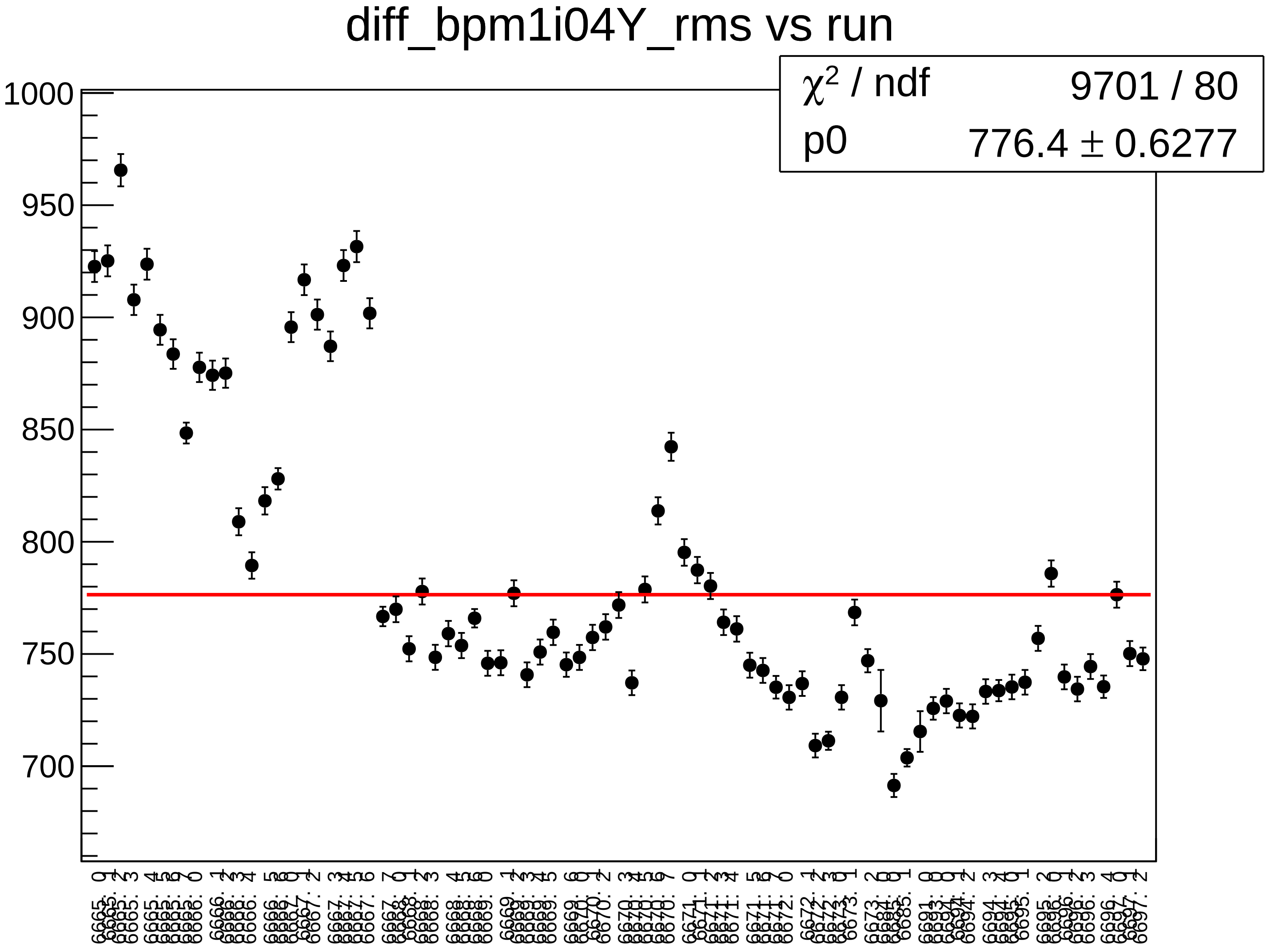


diff_bpm1i04X_rms vs run
χ^2 / ndf 746.5 / 80
p0 1022 ± 0.8237
1080
1060
1040
1020
1000
980
960
940

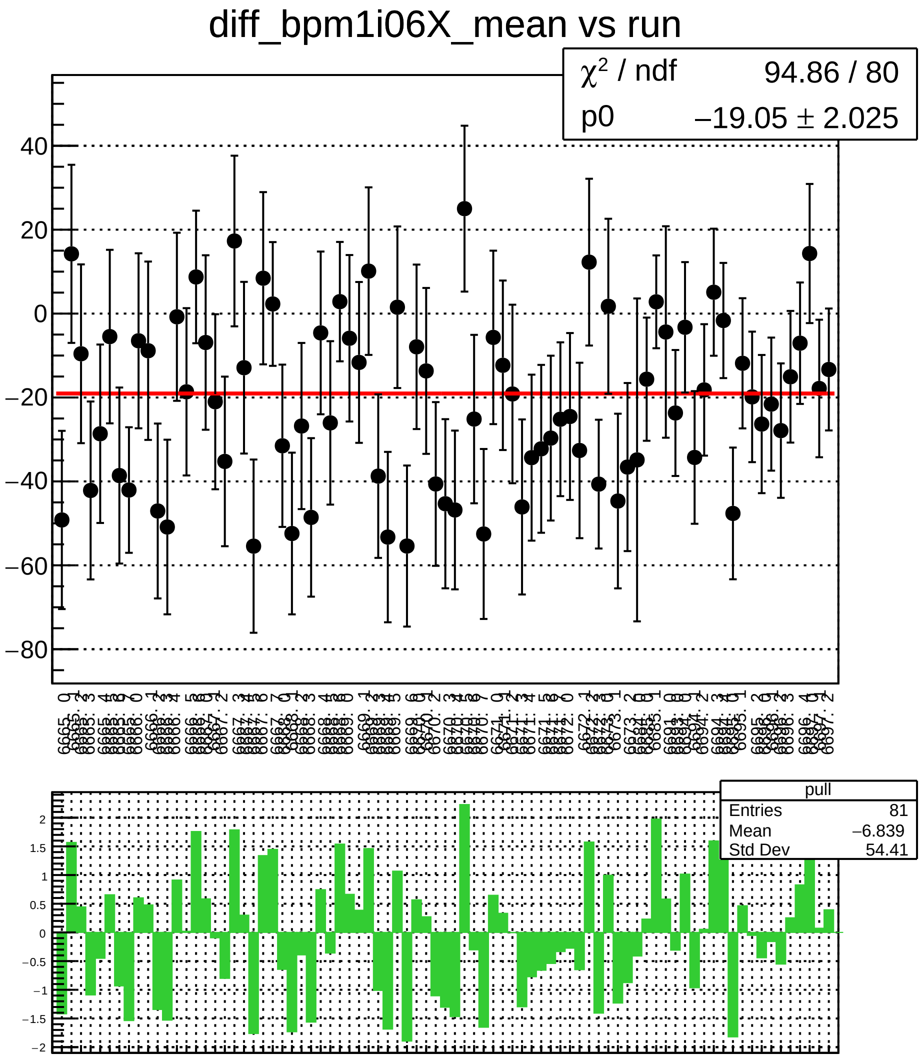

diff_bpm1i04Y_mean vs run
χ^2 / ndf 106.5 / 80
p0 −16.09 ± 0.8877
20
10
0
−10
−20
−30
−40
−50

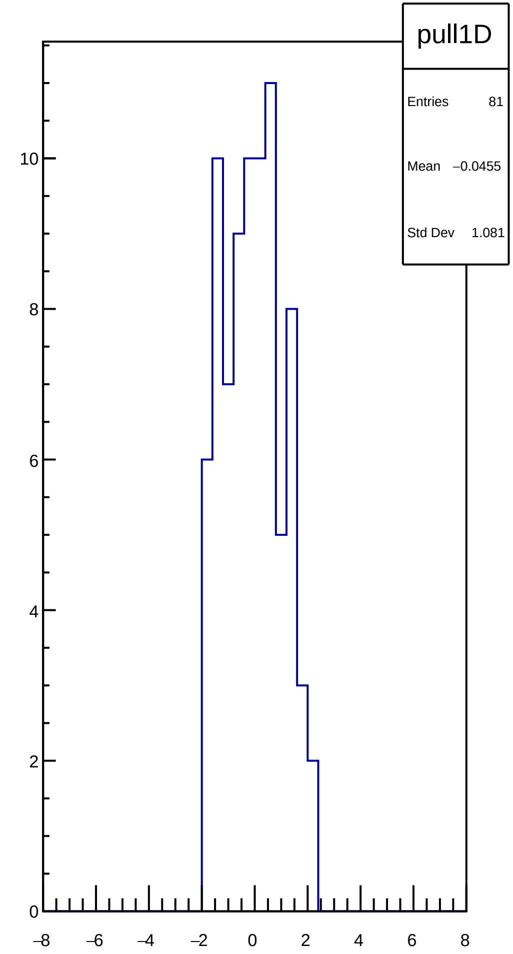

pull
Entries 81
Mean −996.8
Std Dev 1045
2
1
0
−1
−2

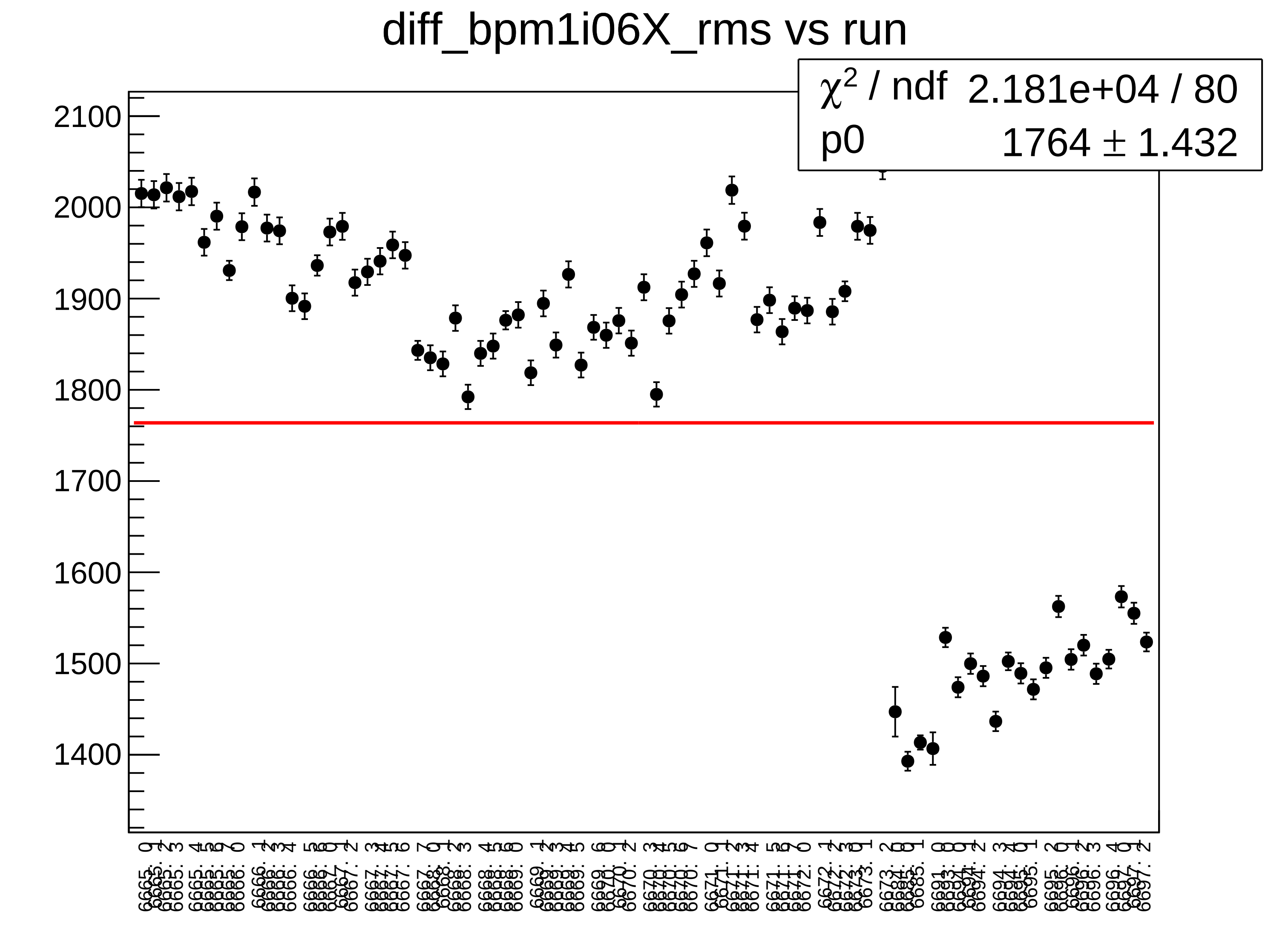

pull1D
Entries 81
Mean 0.002687
Std Dev 1.147
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



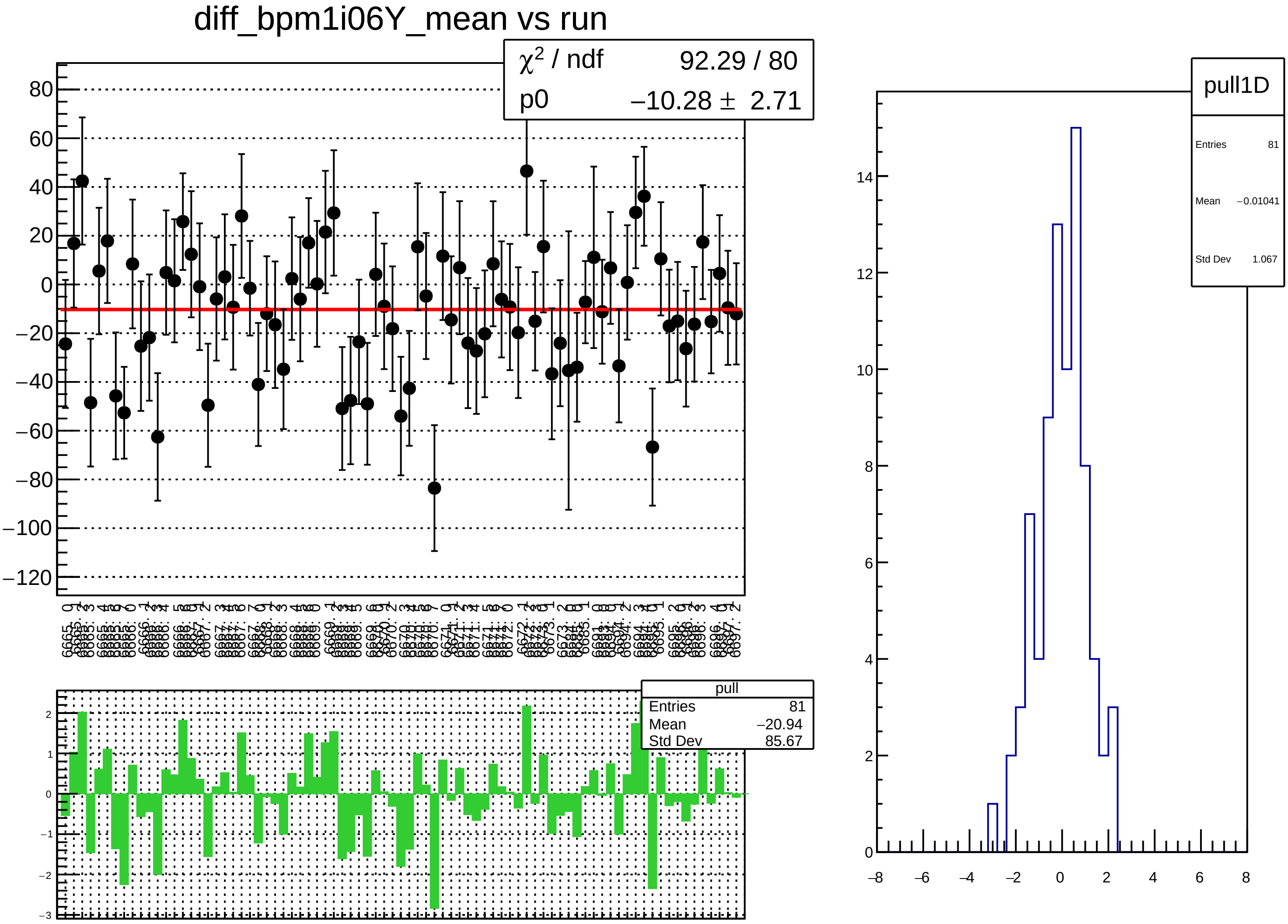
diff_bpm1i04Y_rms vs run
χ2 / ndf 9701 / 80
p0 776.4 ± 0.6277
1000
950
900
850
800
750
700


diff_bpm1i06X_mean vs run
χ^2 / ndf 94.86 / 80
p0 −19.05 ± 2.025
pull
Entries 81
Mean −6.839
Std Dev 54.41

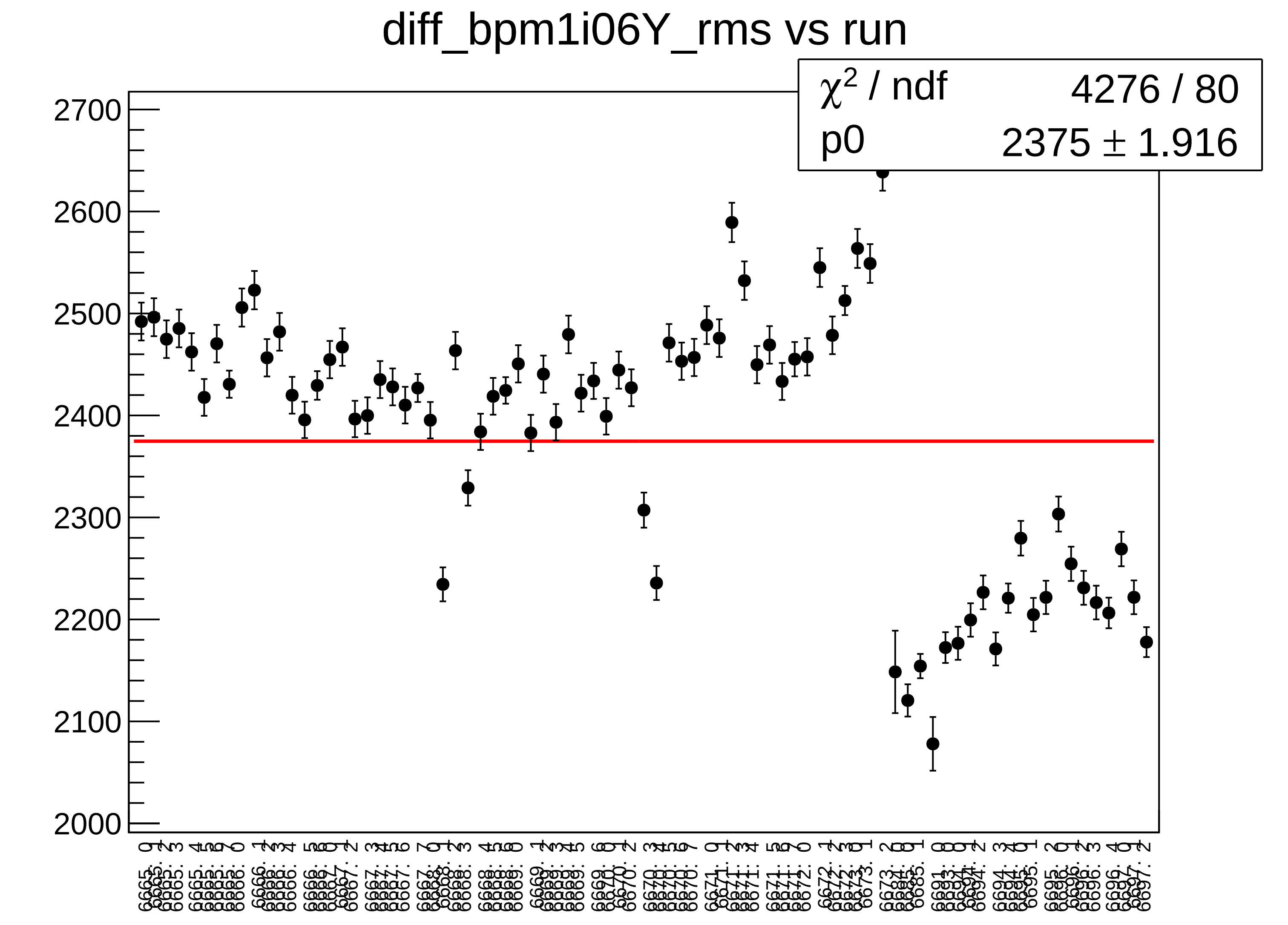

pull1D
Entries 81
Mean −0.0455
Std Dev 1.081



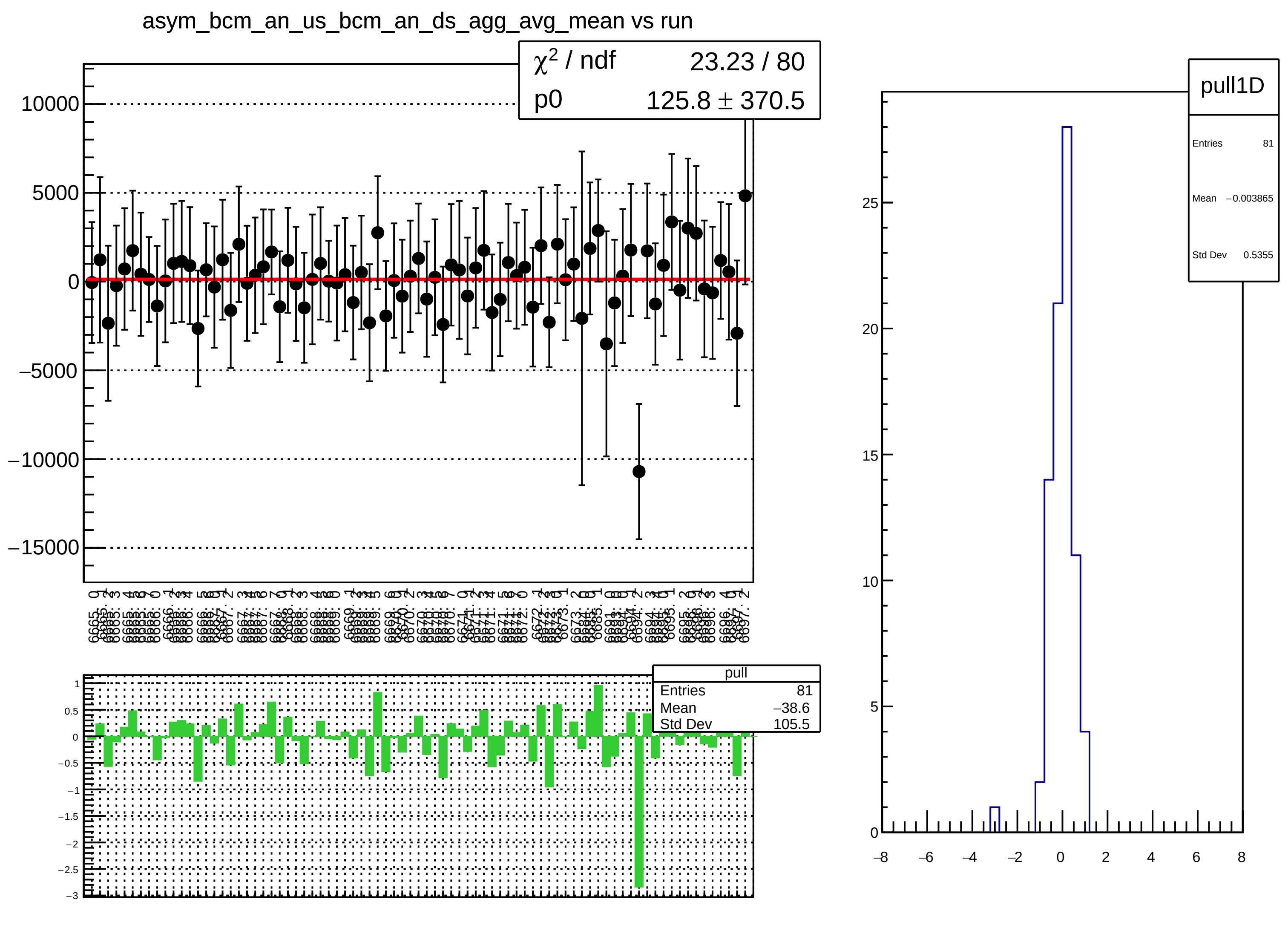
diff_bpm1i06X_rms vs run
χ^2 / ndf 2.181e+04 / 80
p0 1764 ± 1.432
2100
2000
1900
1800
1700
1600
1500
1400



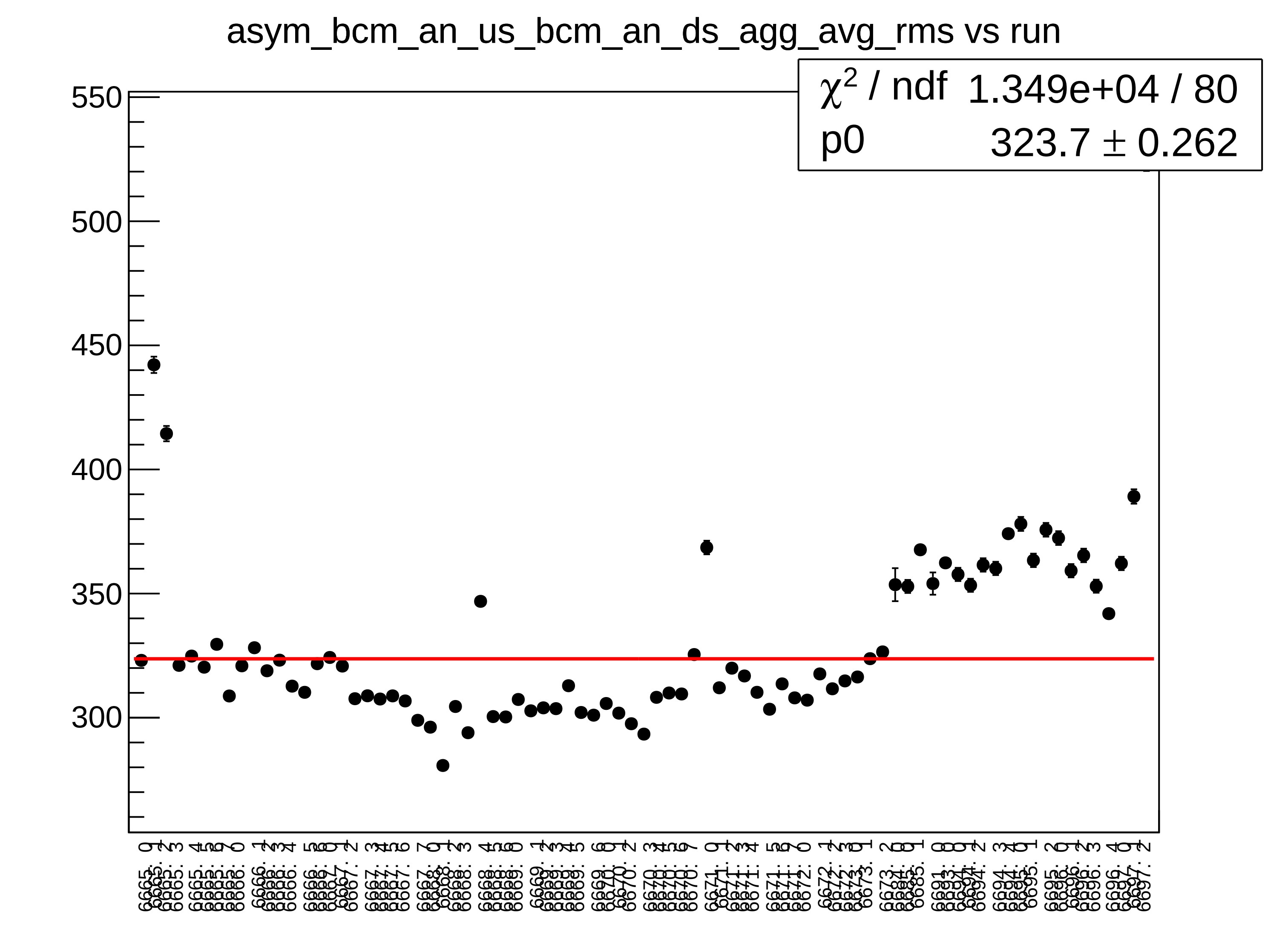
diff_bpm1i06Y_mean vs run
χ2 / ndf 92.29 / 80
p0 −10.28 ± 2.71
pull
Entries 81
Mean −20.94
Std Dev 85.67
pull1D
Entries 81
Mean −0.01041
Std Dev 1.067



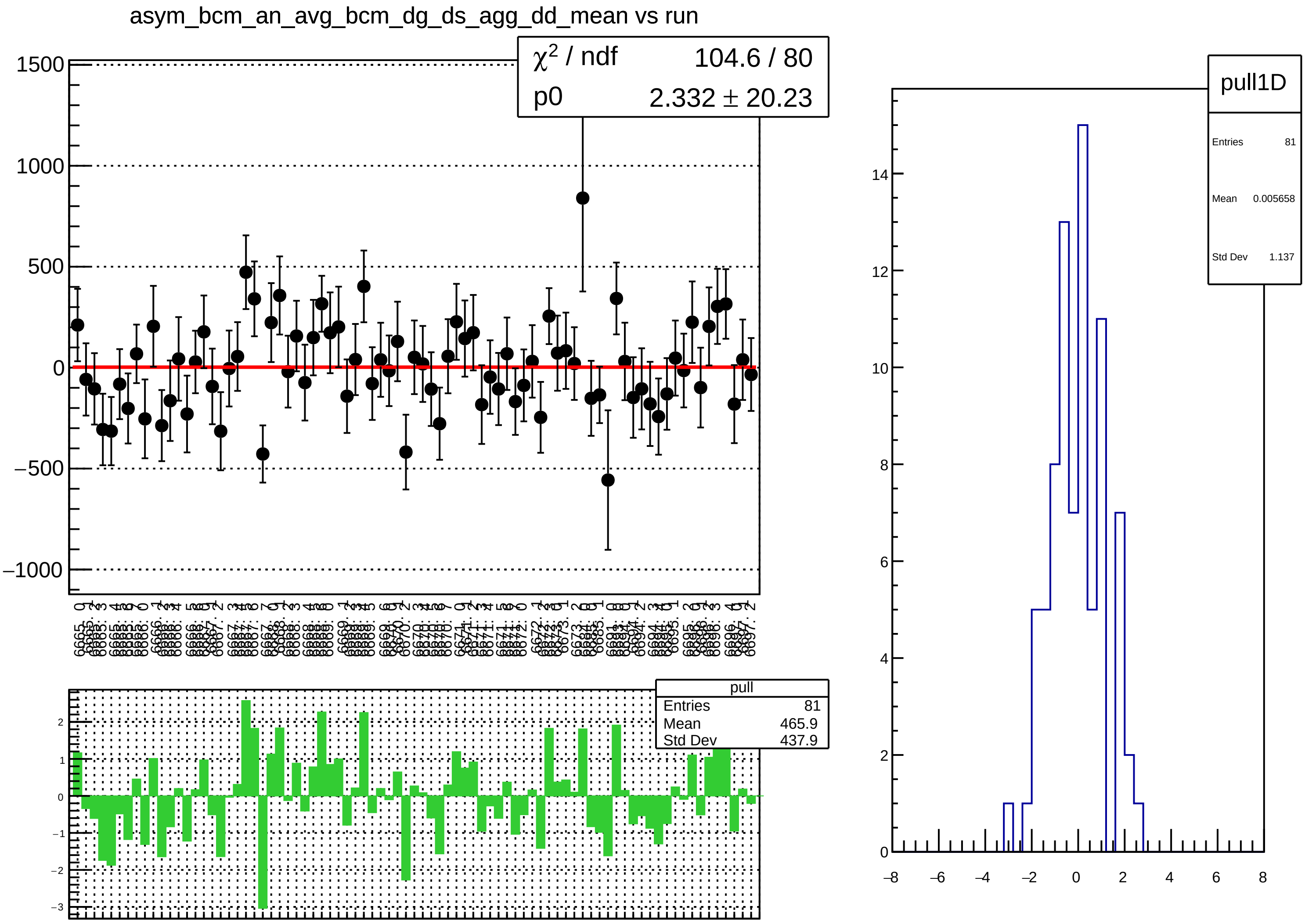
diff_bpm1i06Y_rms vs run
χ^2 / ndf 4276 / 80
p0 2375 ± 1.916
2700
2600
2500
2400
2300
2200
2100
2000



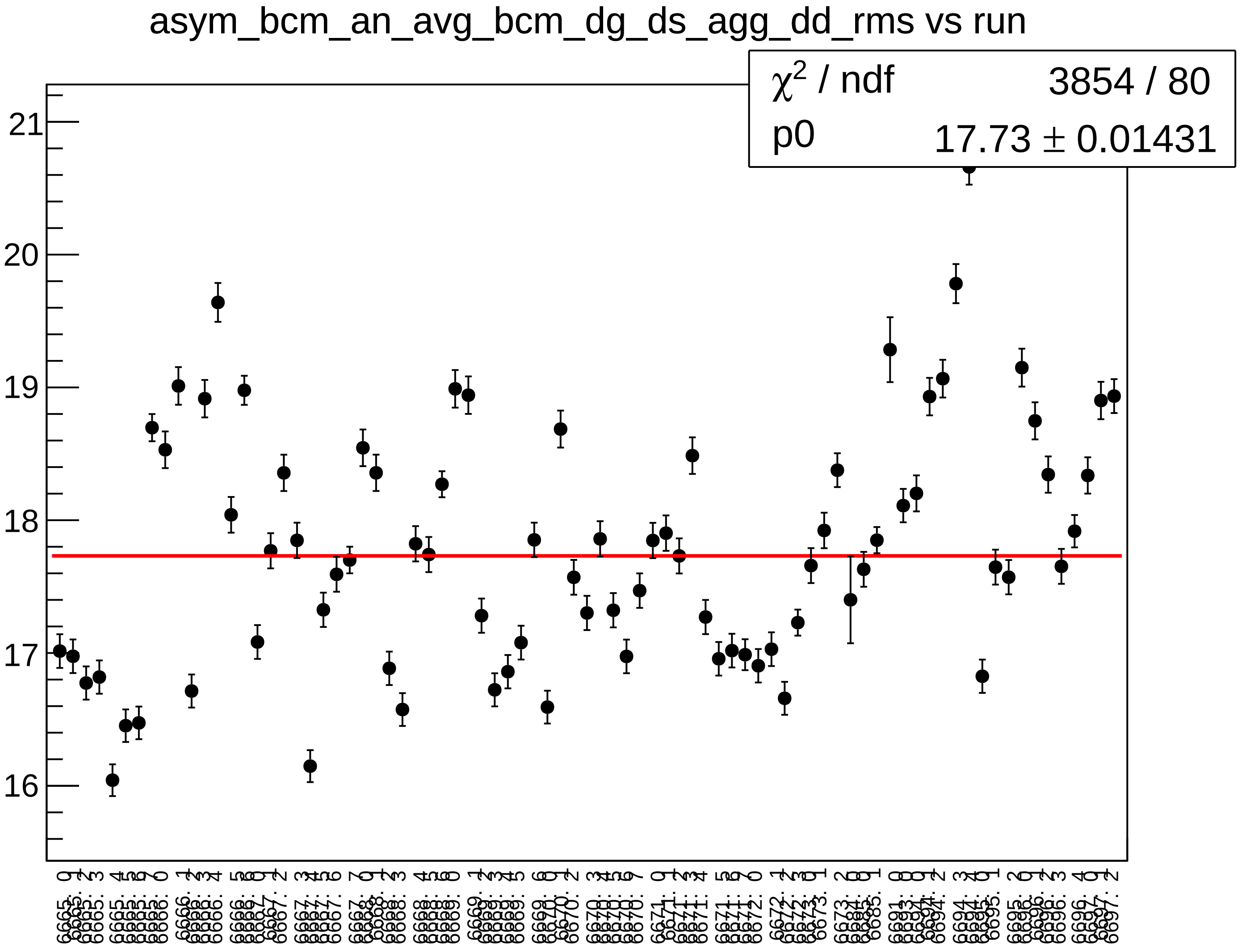
asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 23.23 / 80
p0 125.8 ± 370.5
pull
Entries 81
Mean −38.6
Std Dev 105.5
pull1D
Entries 81
Mean −0.003865
Std Dev 0.5355



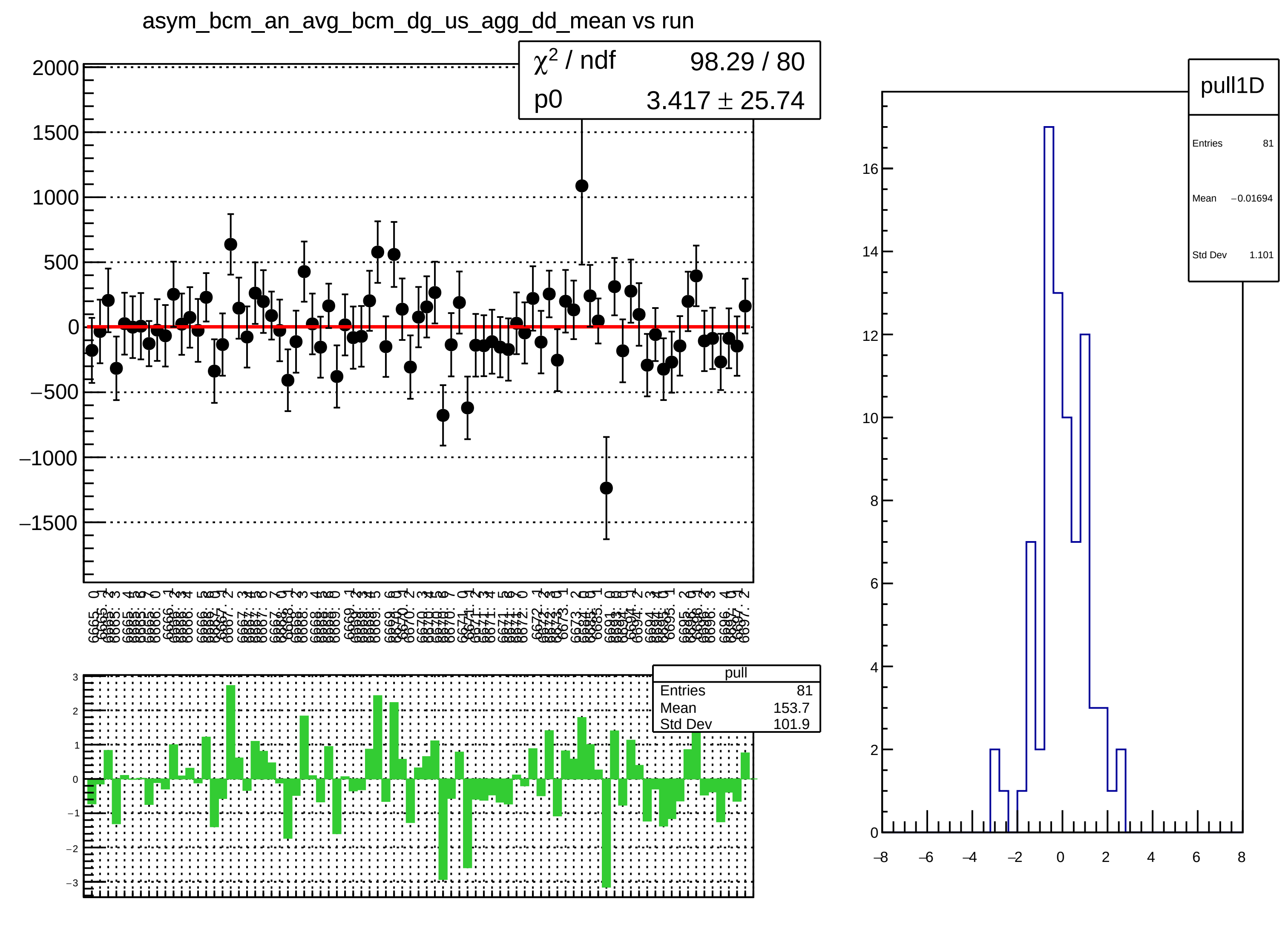
asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 1.349e+04 / 80
p0 323.7 ± 0.262
550
500
450
400
350
300

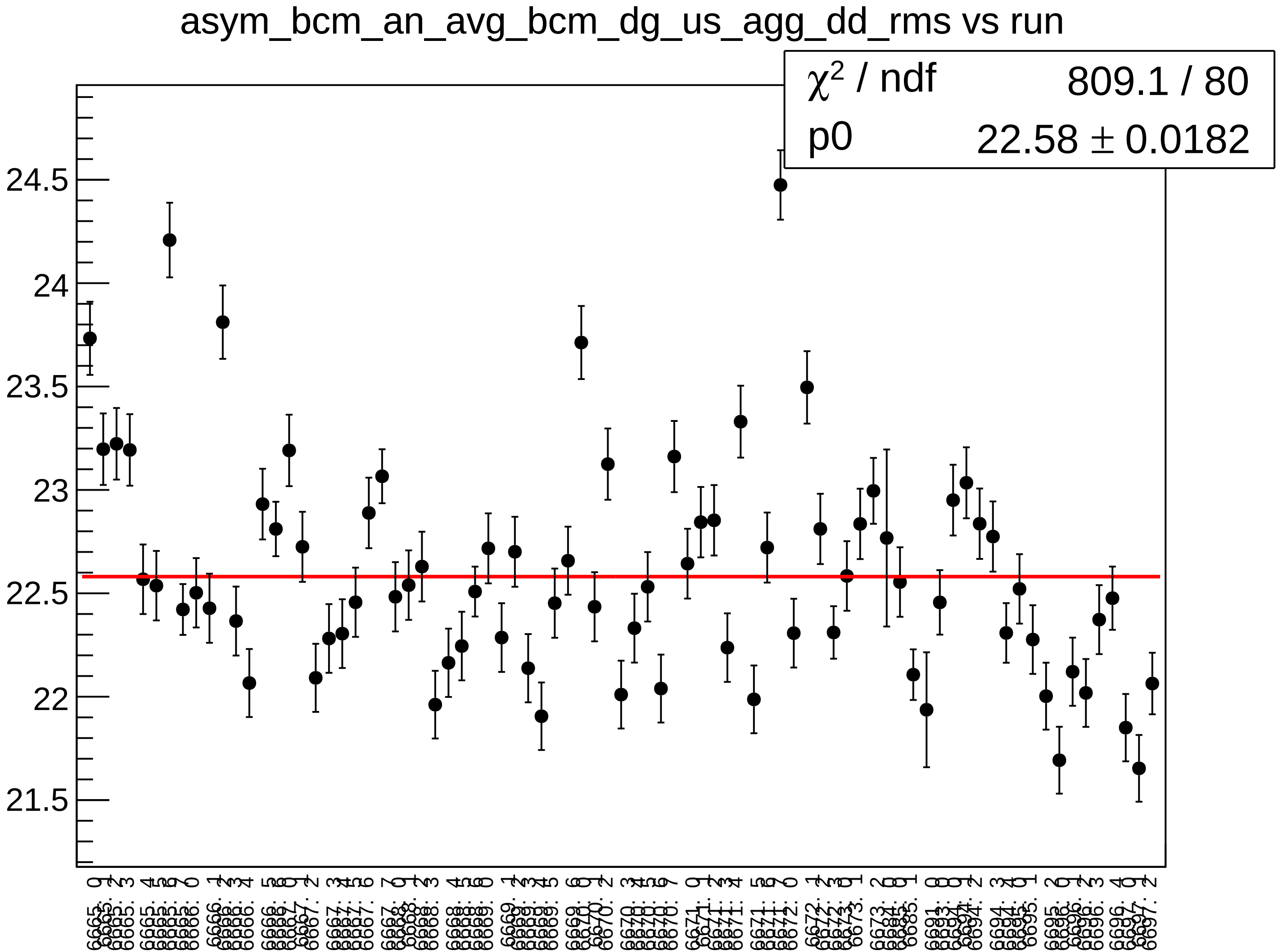


asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 104.6 / 80
p0 2.332 ± 20.23
pull
Entries 81
Mean 465.9
Std Dev 437.9
pull1D
Entries 81
Mean 0.005658
Std Dev 1.137

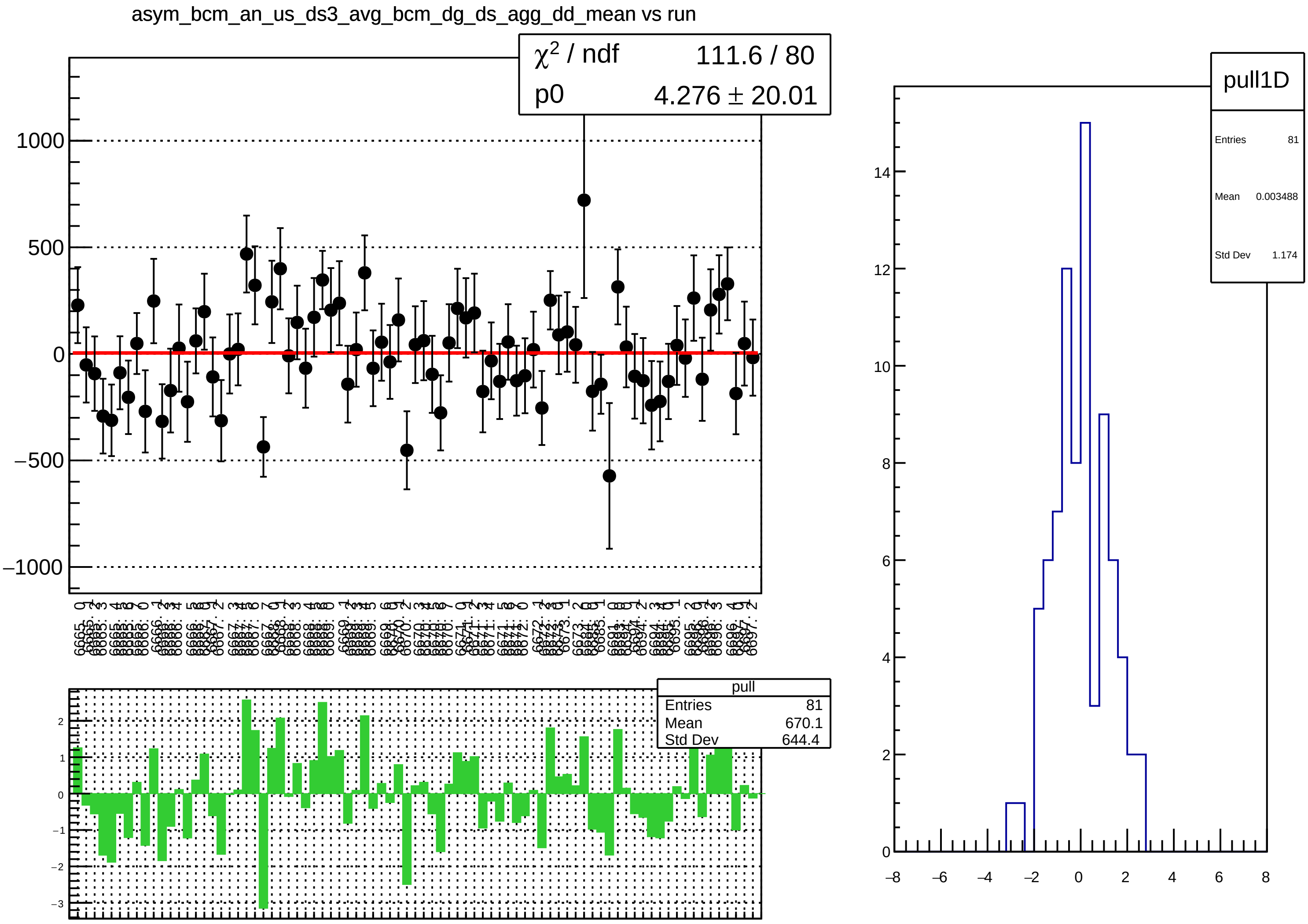


asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 3854 / 80
p0 17.73 ± 0.01431
21
20
19
18
17
16

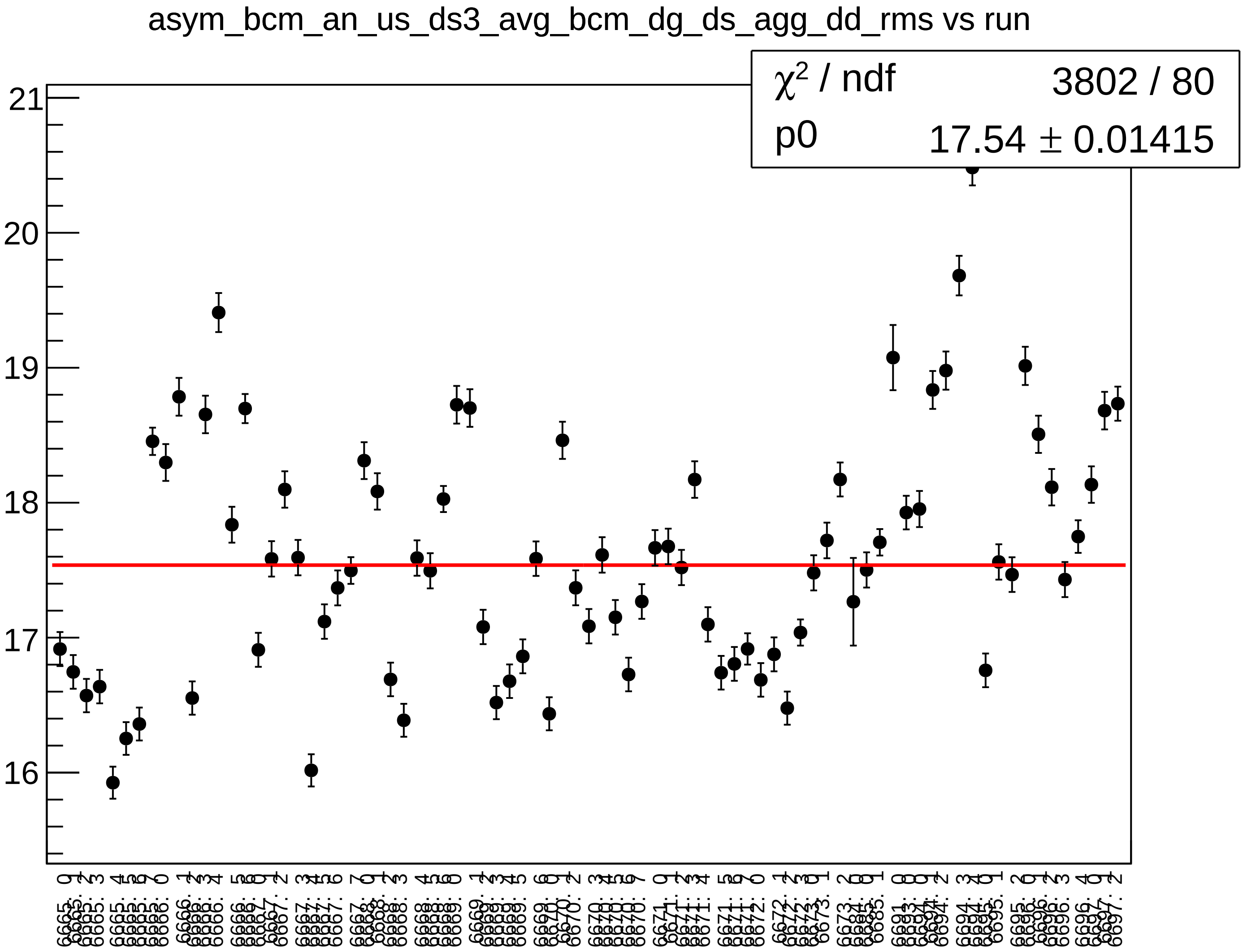

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ2 / ndf 98.29 / 80
p0 3.417 ± 25.74
pull
Entries 81
Mean 153.7
Std Dev 101.9
pull1D
Entries 81
Mean −0.01694
Std Dev 1.101

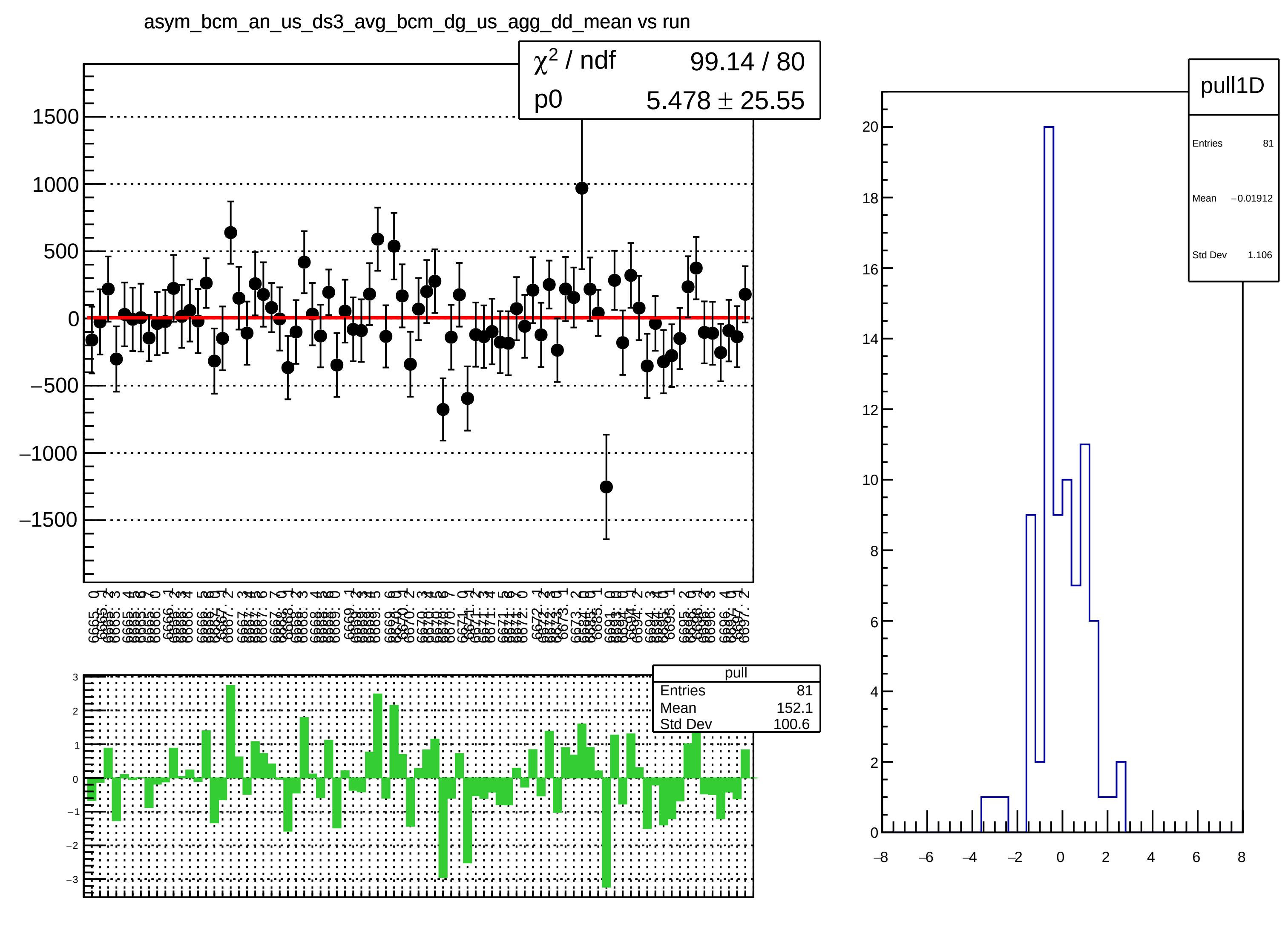


asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ^2 / ndf 809.1 / 80
p0 22.58 ± 0.0182
24.5
24
23.5
23
22.5
22
21.5

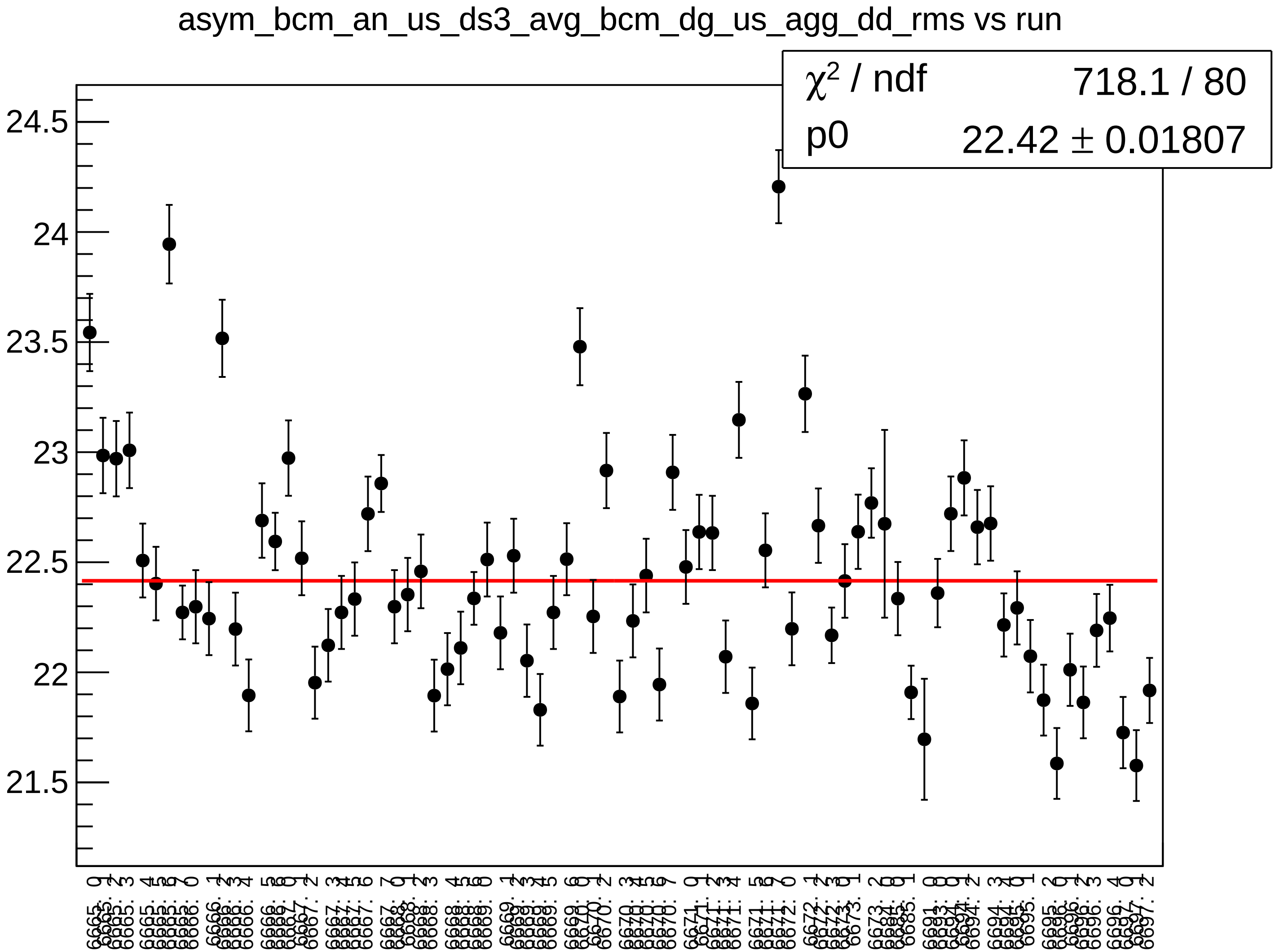


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 111.6 / 80
p0 4.276 ± 20.01
1000
500
0
−500
−1000
pull
Entries 81
Mean 670.1
Std Dev 644.4
pull1D
Entries 81
Mean 0.003488
Std Dev 1.174

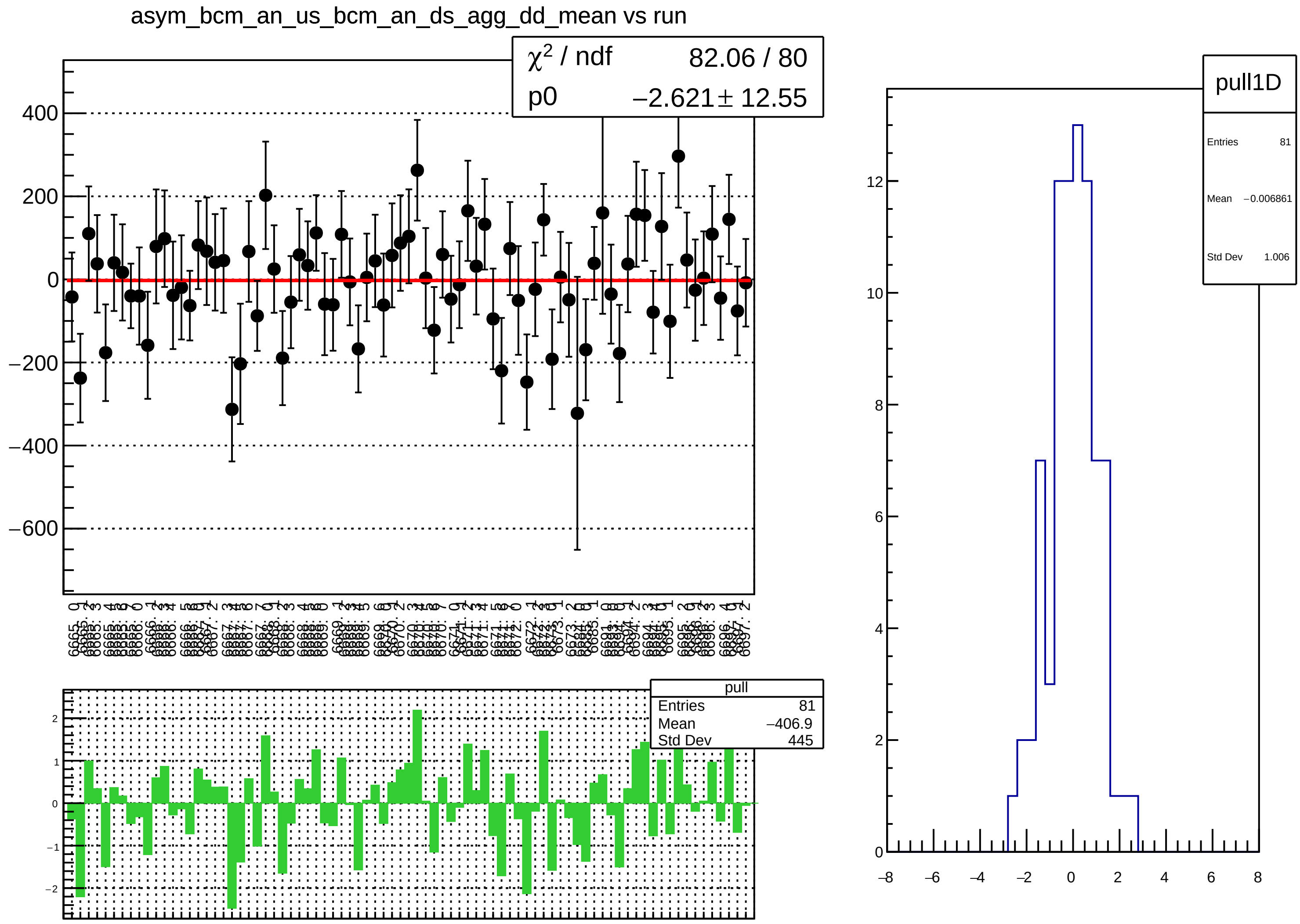

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 3802 / 80
p0 17.54 ± 0.01415
21
20
19
18
17
16



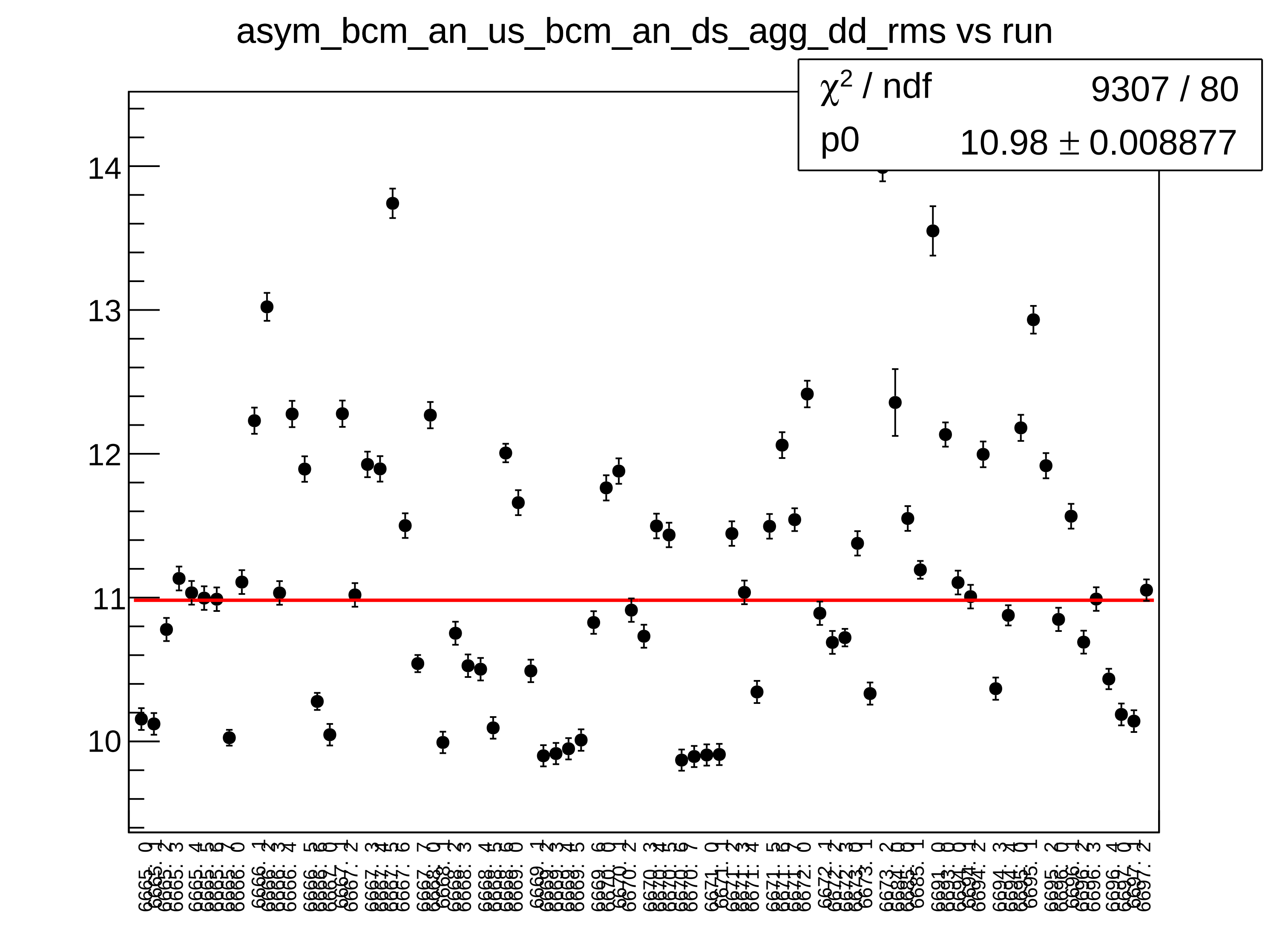
asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ^2 / ndf 99.14 / 80
p0 5.478 ± 25.55
pull
Entries 81
Mean 152.1
Std Dev 100.6
pull1D
Entries 81
Mean −0.01912
Std Dev 1.106

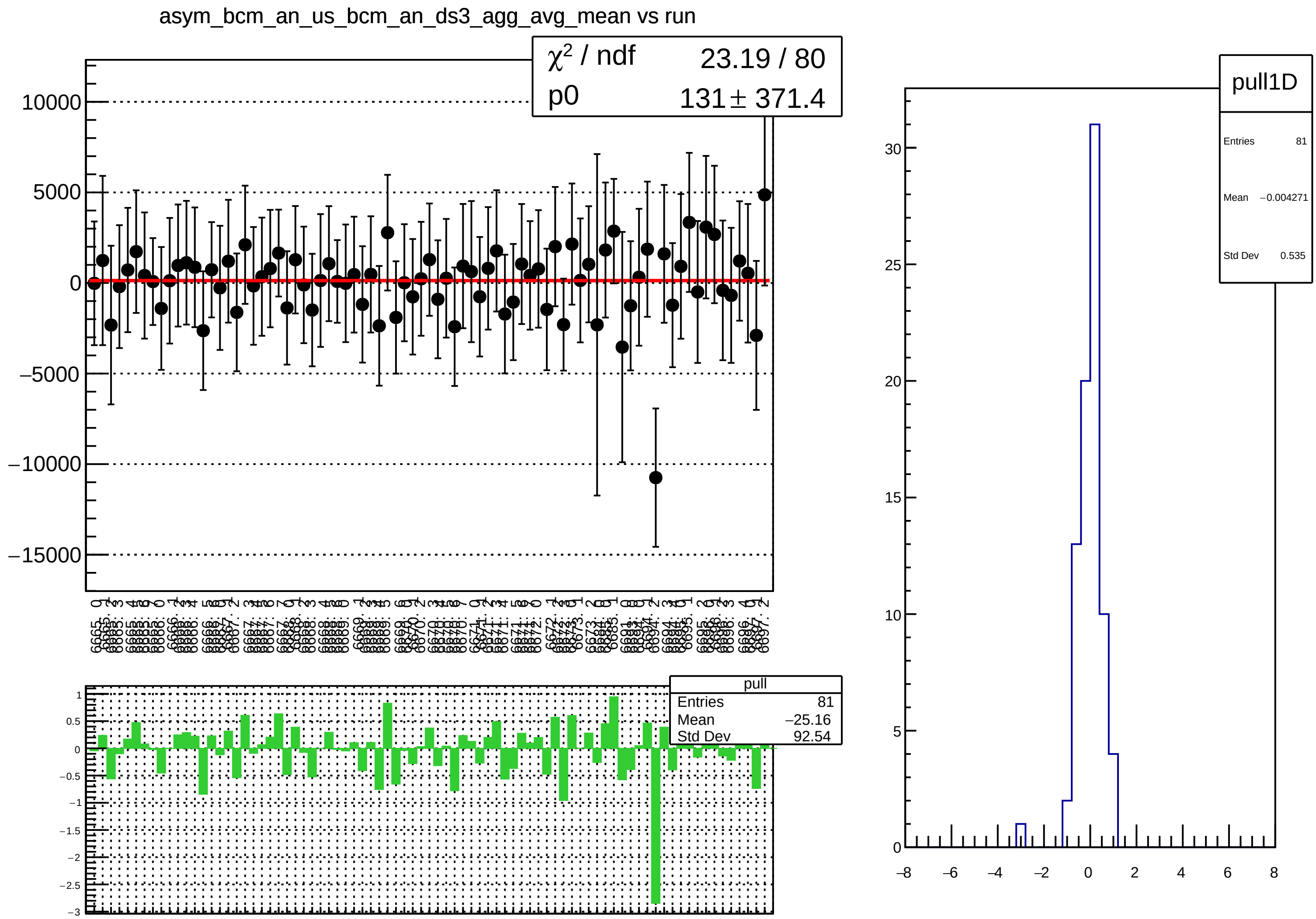


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ^2 / ndf 718.1 / 80
p0 22.42 ± 0.01807
24.5
24
23.5
23
22.5
22
21.5

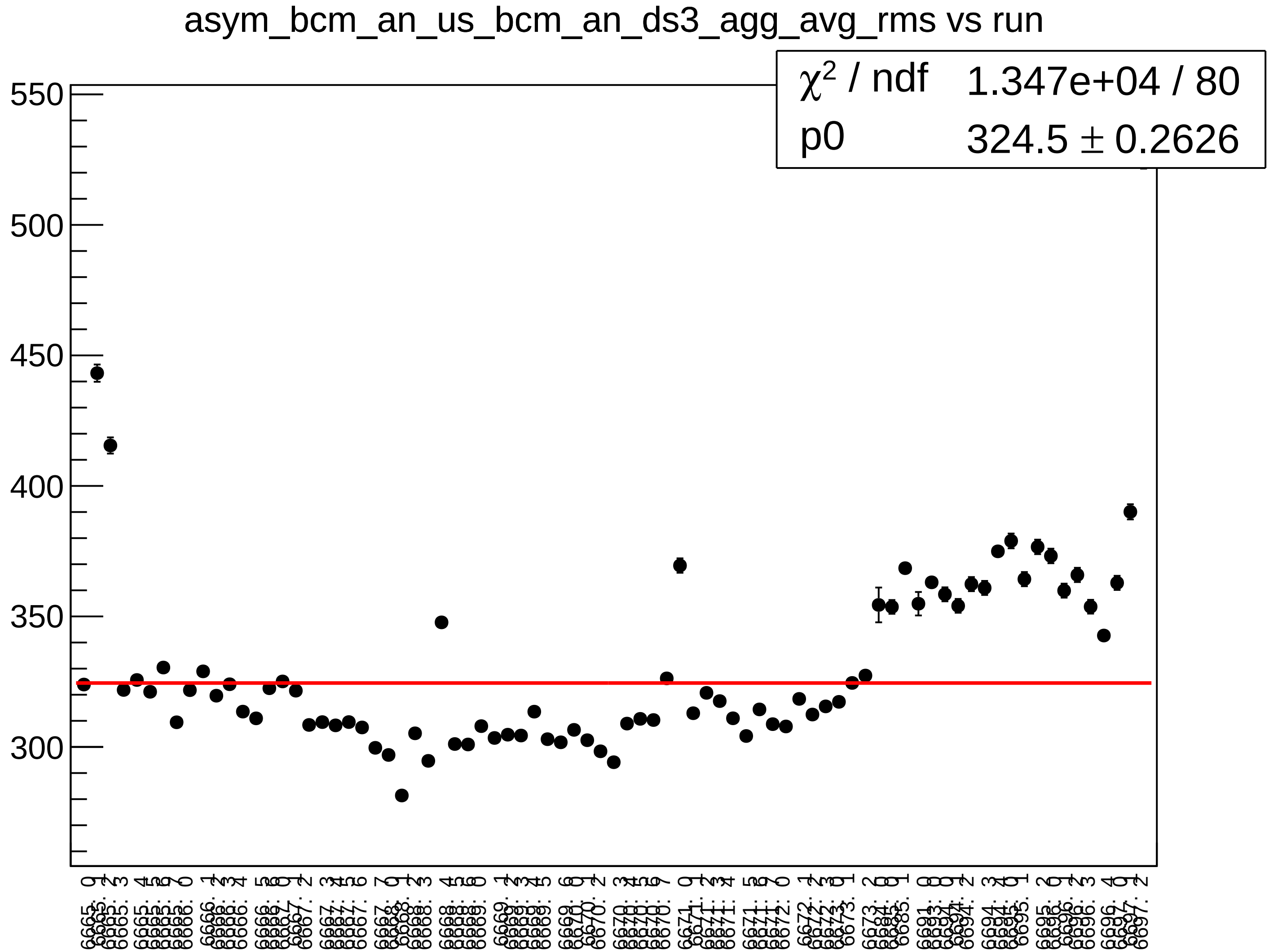


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 82.06 / 80
p0 −2.621 ± 12.55
400
200
0
−200
−400
−600
pull
Entries 81
Mean −406.9
Std Dev 445
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.006861
Std Dev 1.006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

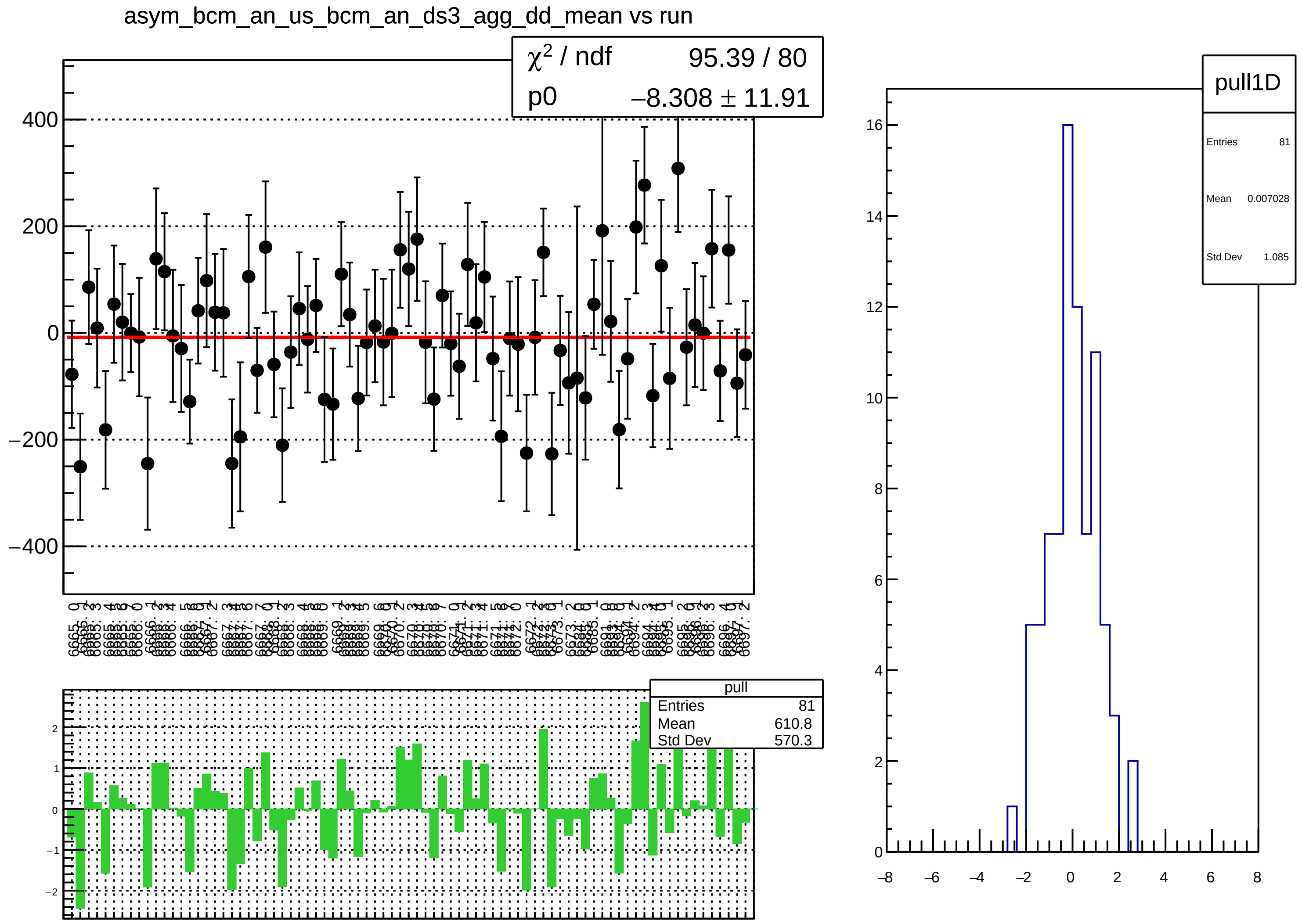

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 9307 / 80
p0 10.98 ± 0.008877
14
13
12
11
10



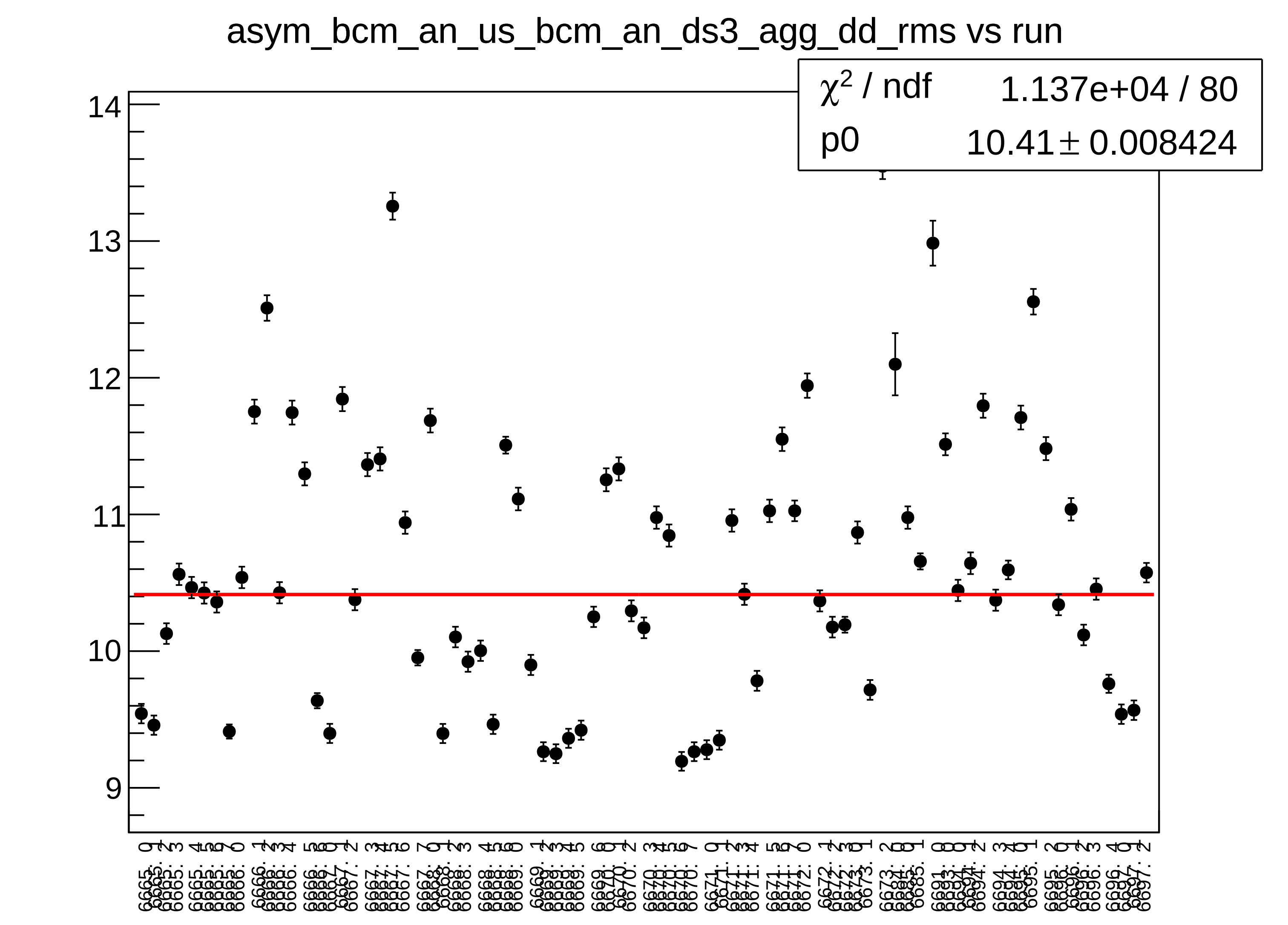
asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ^2 / ndf 23.19 / 80
p0 131 ± 371.4
pull
Entries 81
Mean −25.16
Std Dev 92.54
pull1D
Entries 81
Mean −0.004271
Std Dev 0.535

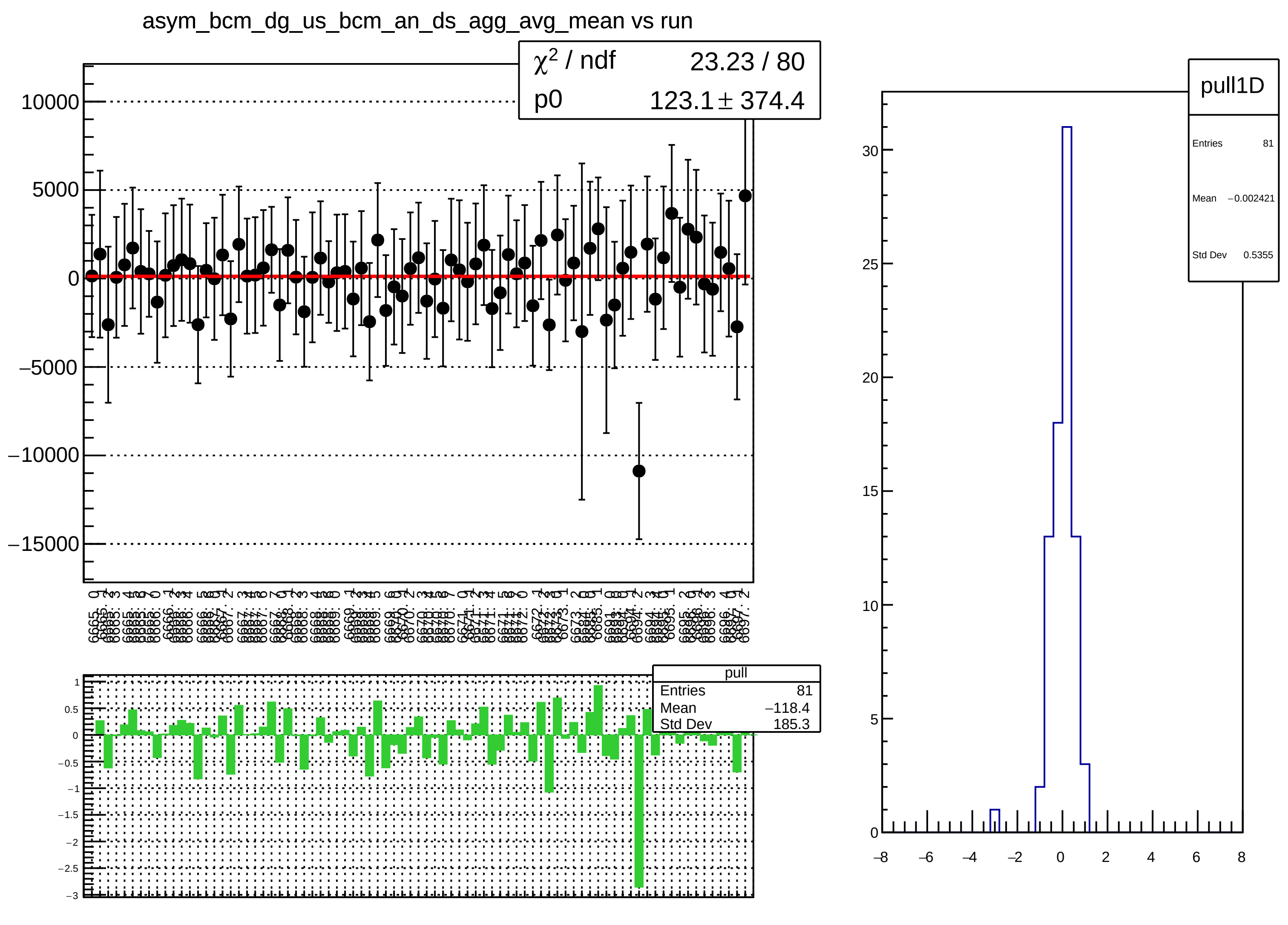


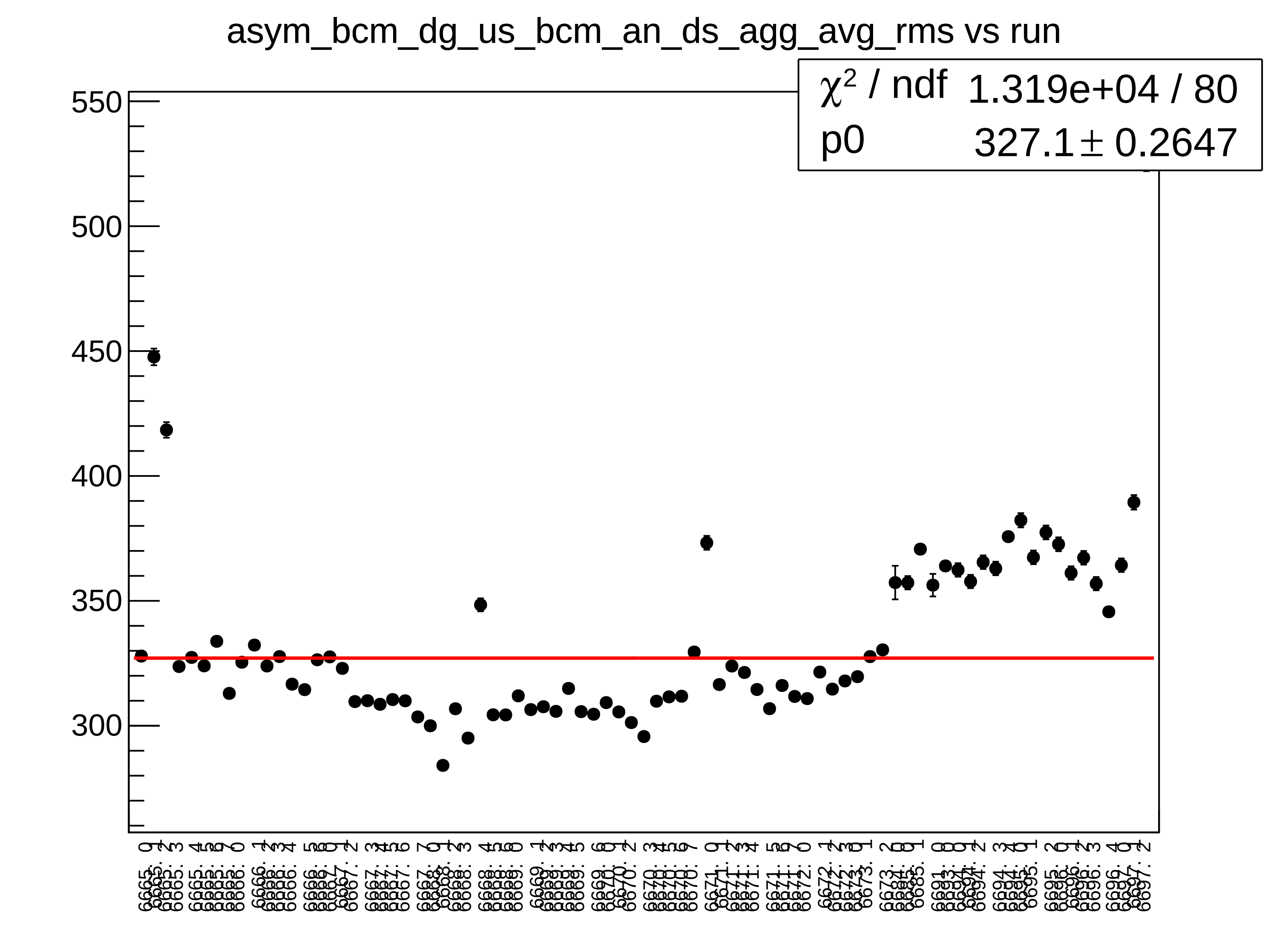
asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ2 / ndf 1.347e+04 / 80
p0 324.5 ± 0.2626
550
500
450
400
350
300



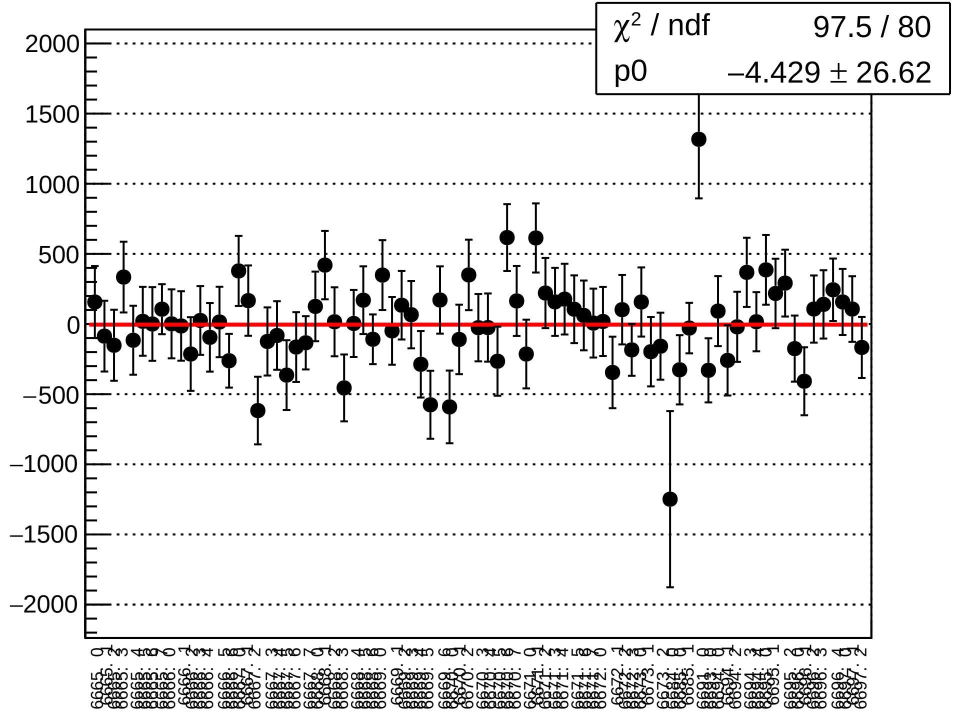
asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ^2 / ndf 95.39 / 80
p0 −8.308 ± 11.91
pull
Entries 81
Mean 610.8
Std Dev 570.3
pull1D
Entries 81
Mean 0.007028
Std Dev 1.085

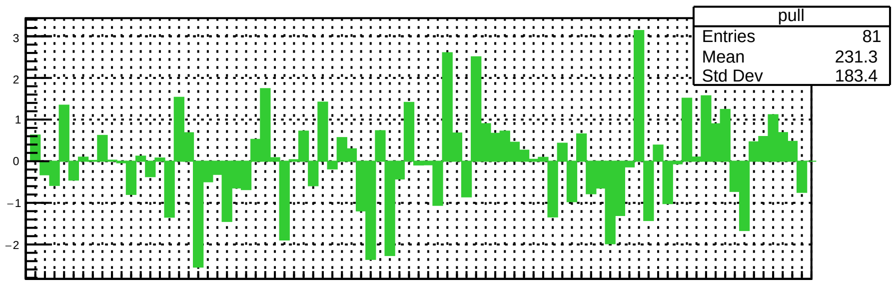

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ^2 / ndf 1.137e+04 / 80
p0 10.41 ± 0.008424
14
13
12
11
10
9

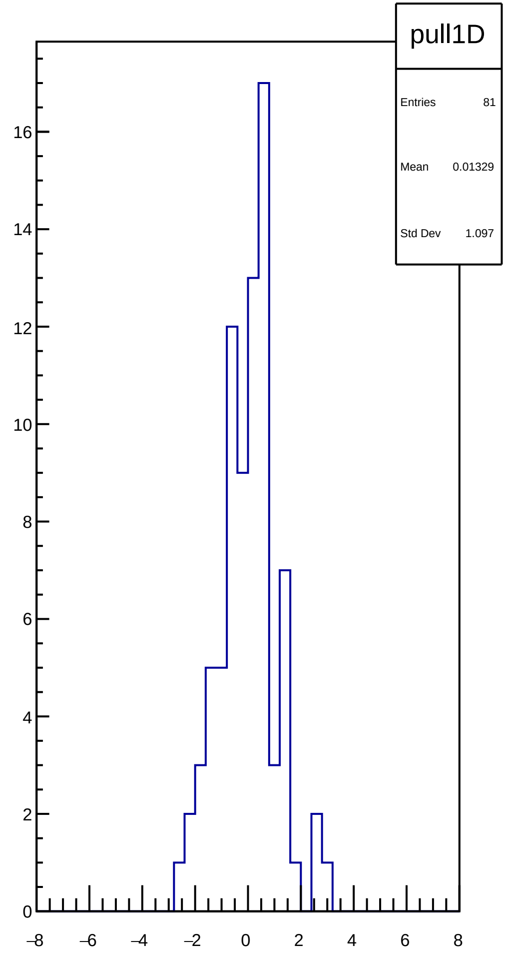

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ2 / ndf 23.23 / 80
p0 123.1 ± 374.4
pull
Entries 81
Mean −118.4
Std Dev 185.3
pull1D
Entries 81
Mean −0.002421
Std Dev 0.5355

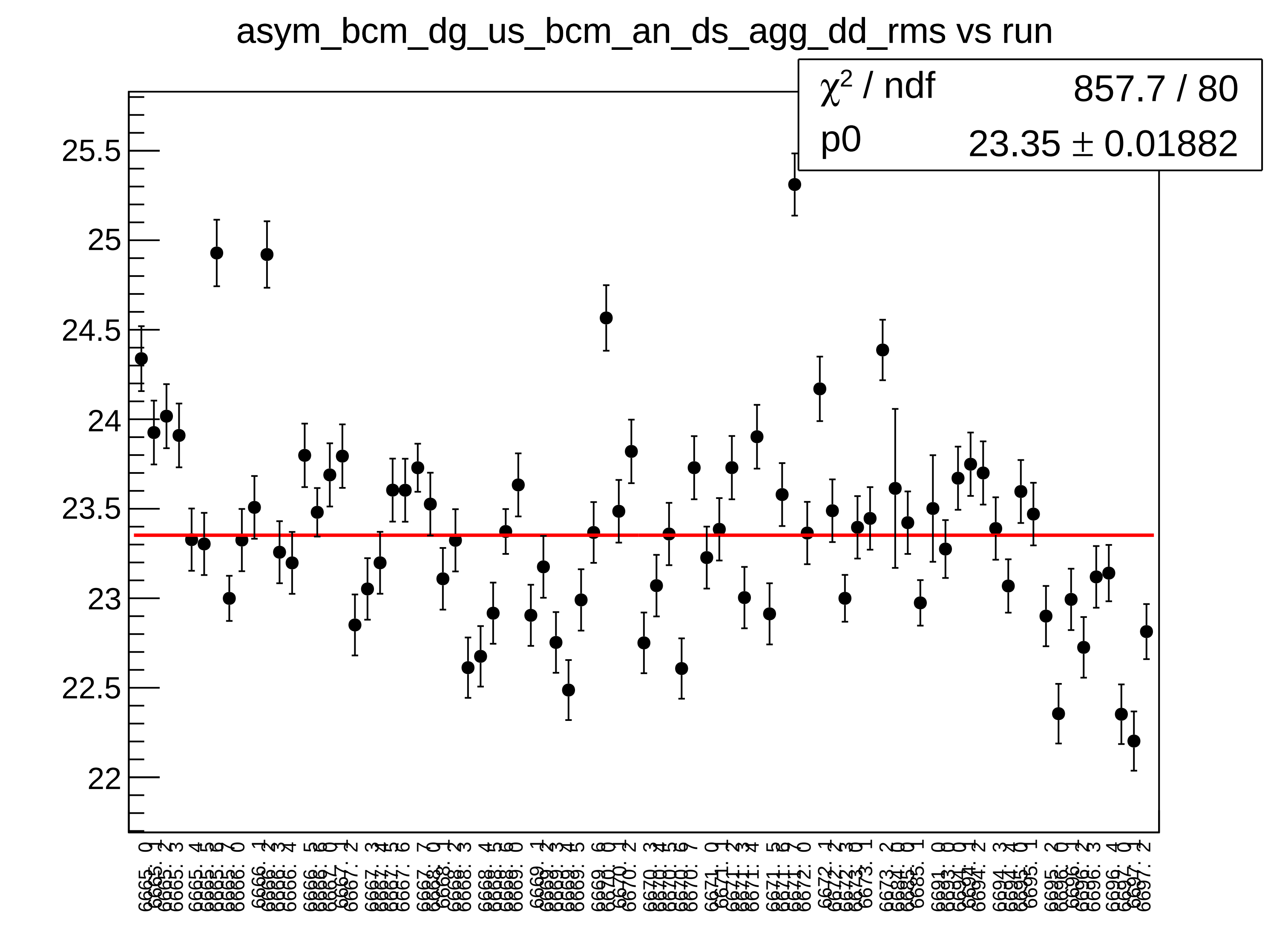

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.319e+04 / 80
p0 327.1 ± 0.2647
550
500
450
400
350
300

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run

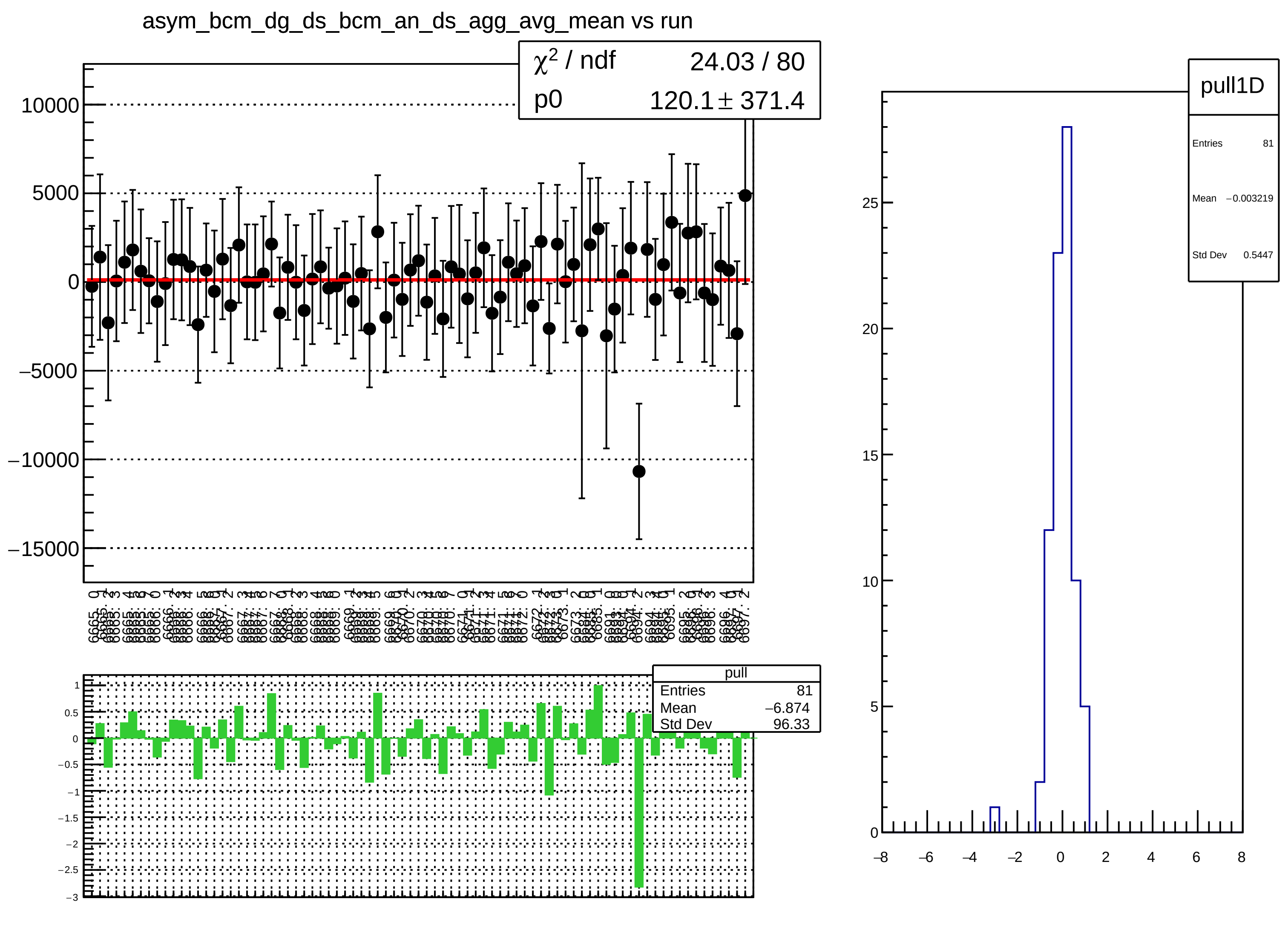




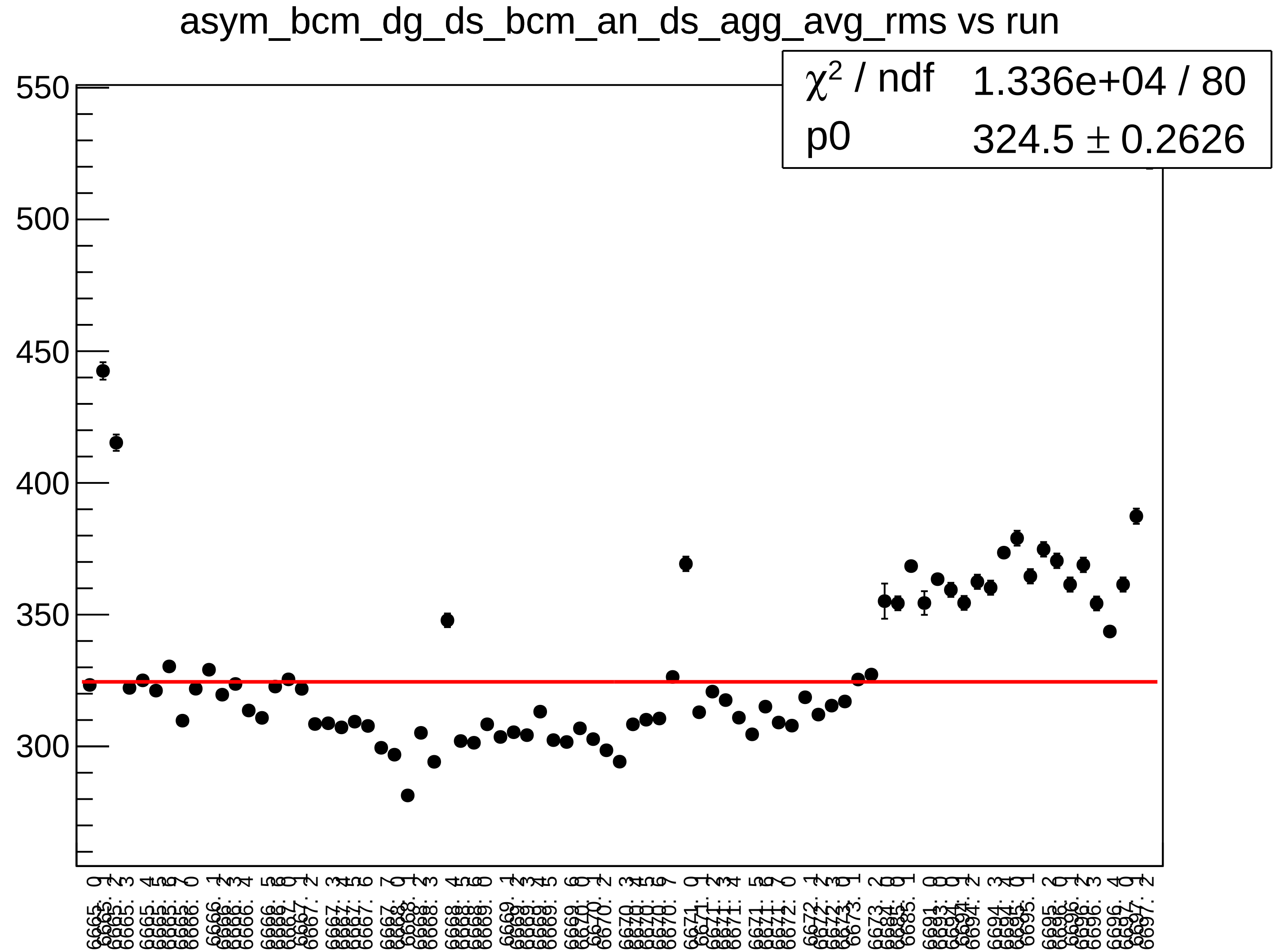


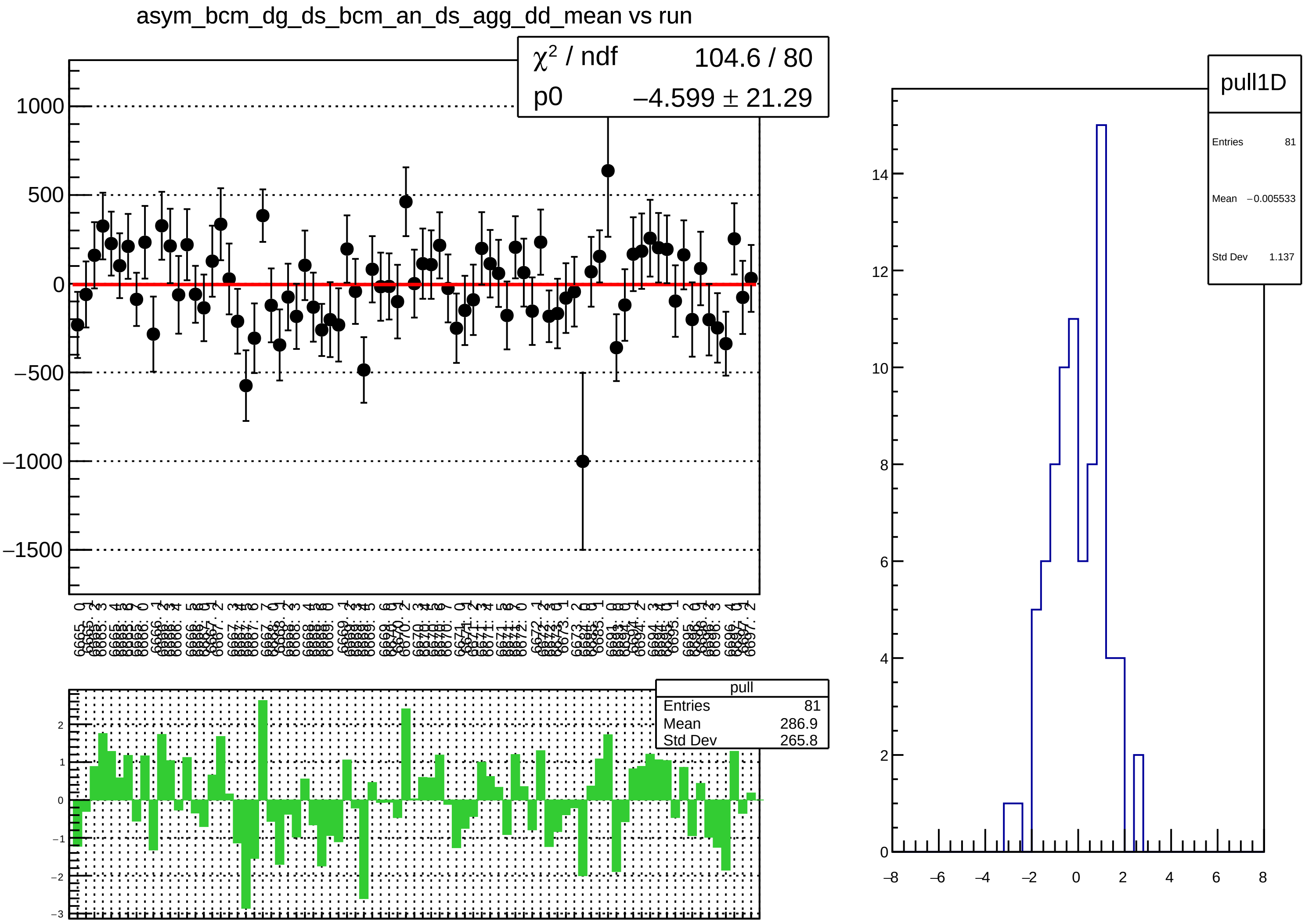


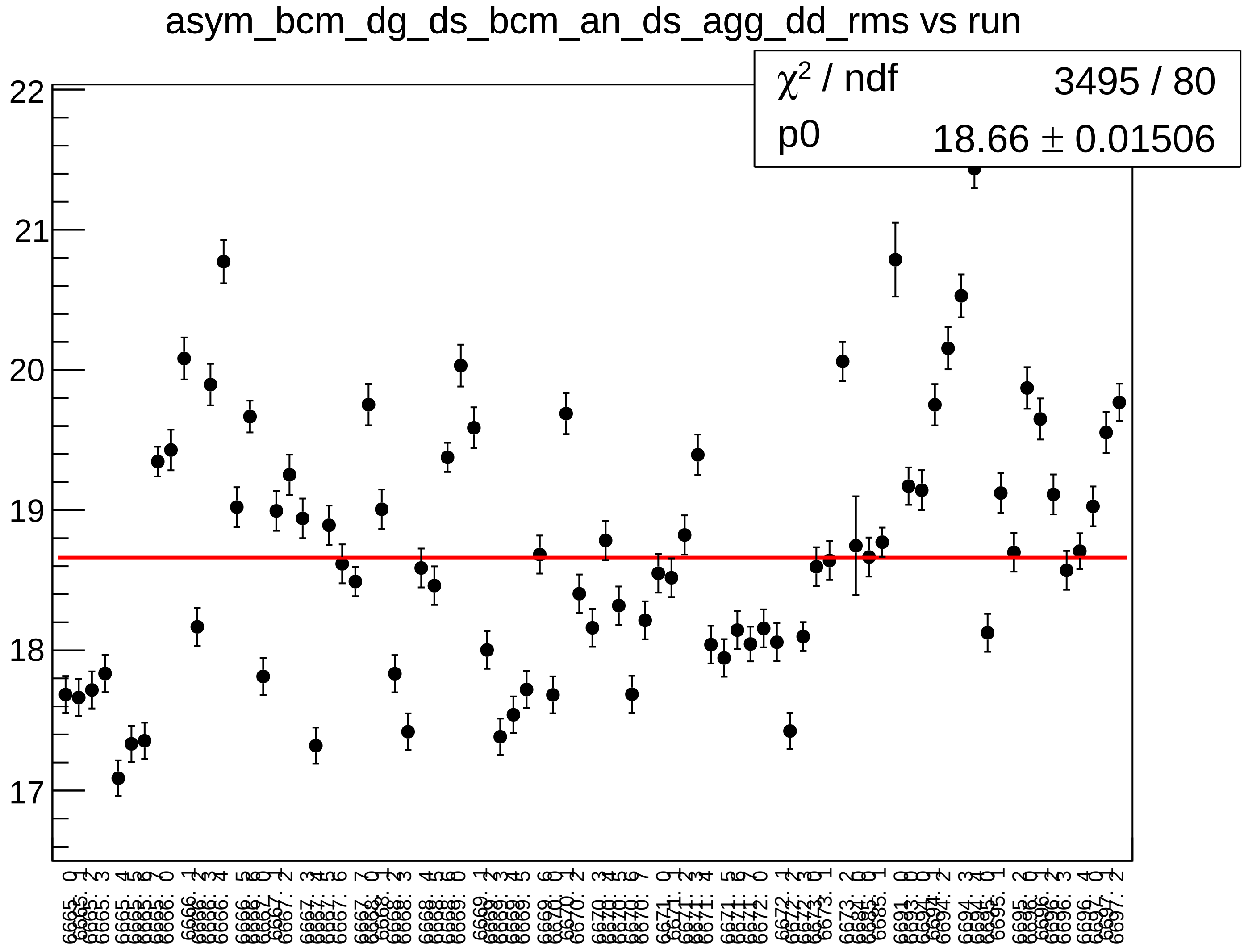
asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 857.7 / 80
p0 23.35 ± 0.01882
25.5
25
24.5
24
23.5
23
22.5
22



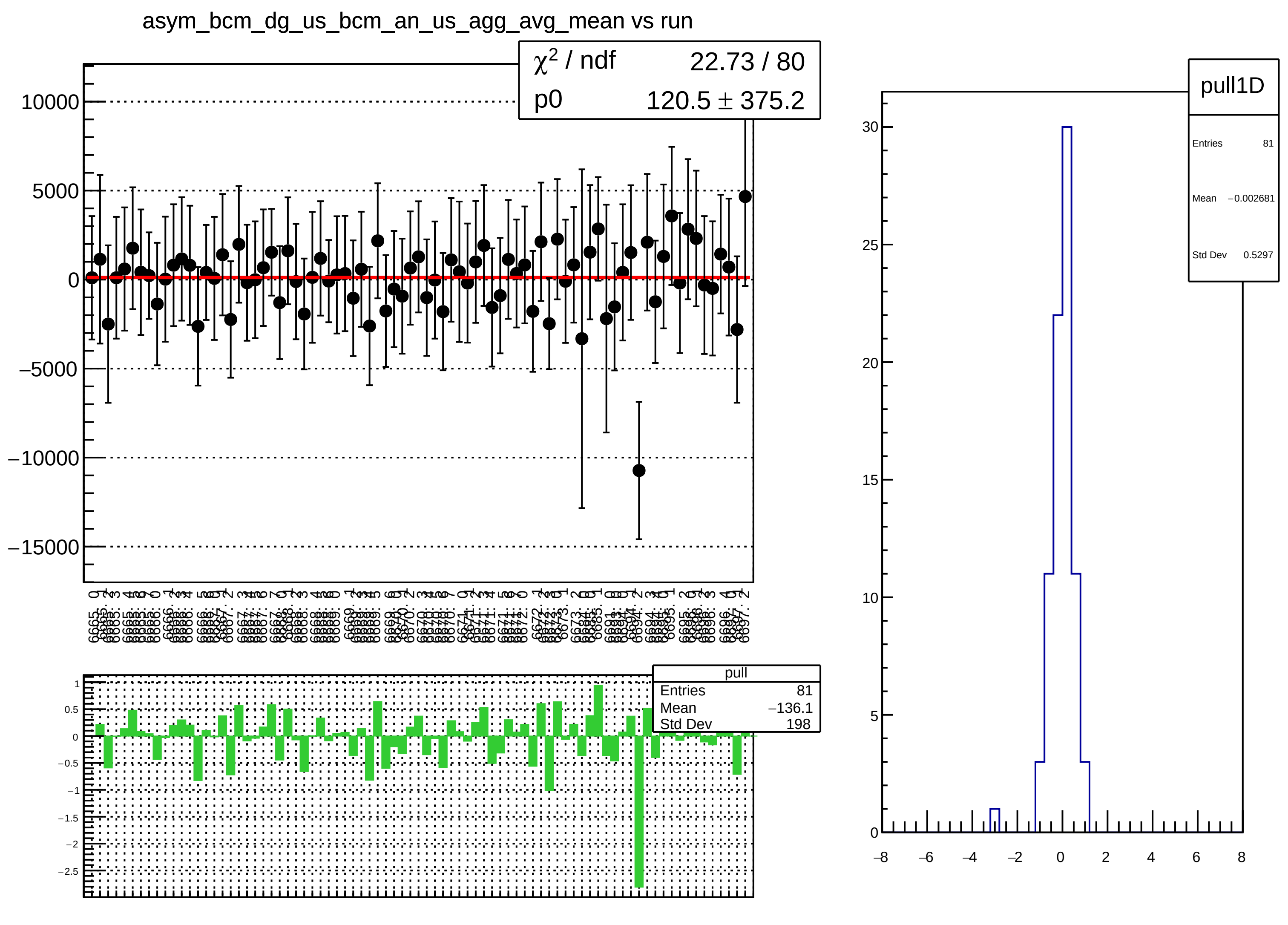
asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 24.03 / 80
p0 120.1 ± 371.4
pull
Entries 81
Mean −6.874
Std Dev 96.33
pull1D
Entries 81
Mean −0.003219
Std Dev 0.5447


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 1.336e+04 / 80
p0 324.5 ± 0.2626
550
500
450
400
350
300

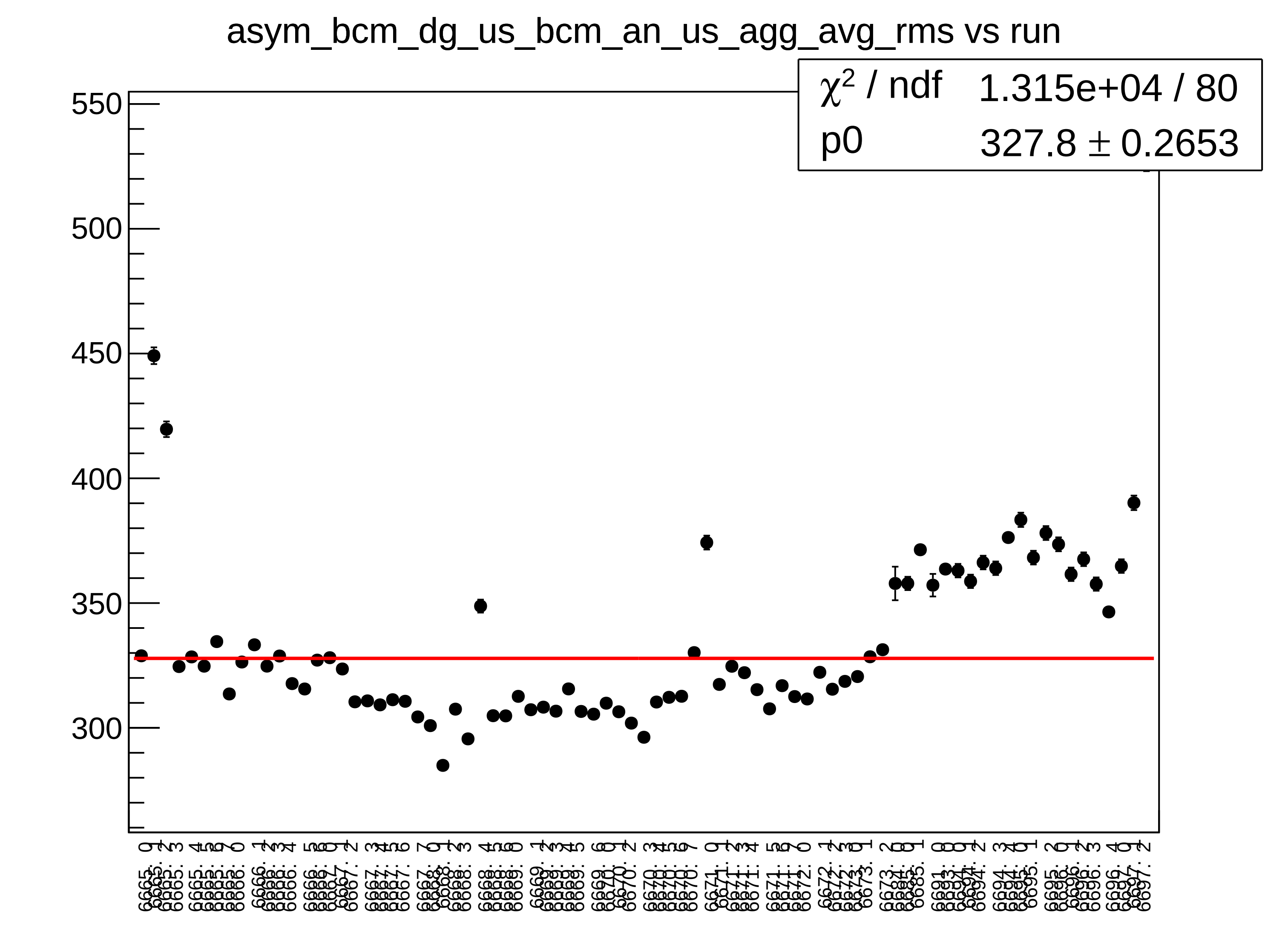

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ2 / ndf 104.6 / 80
p0 −4.599 ± 21.29
1000
500
0
−500
−1000
−1500
pull
Entries 81
Mean 286.9
Std Dev 265.8
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.005533
Std Dev 1.137
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



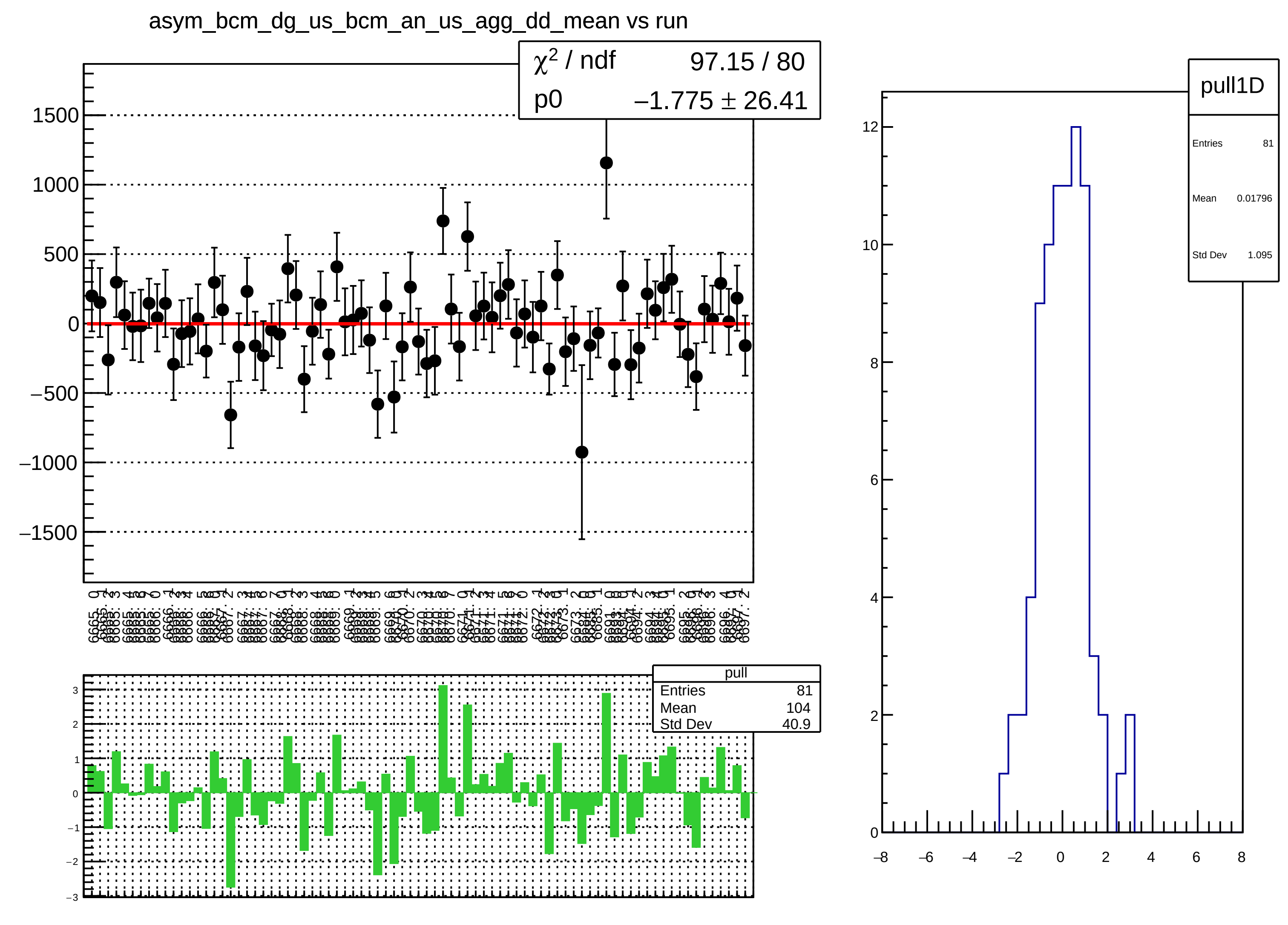
asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 3495 / 80
p0 18.66 ± 0.01506
22
21
20
19
18
17



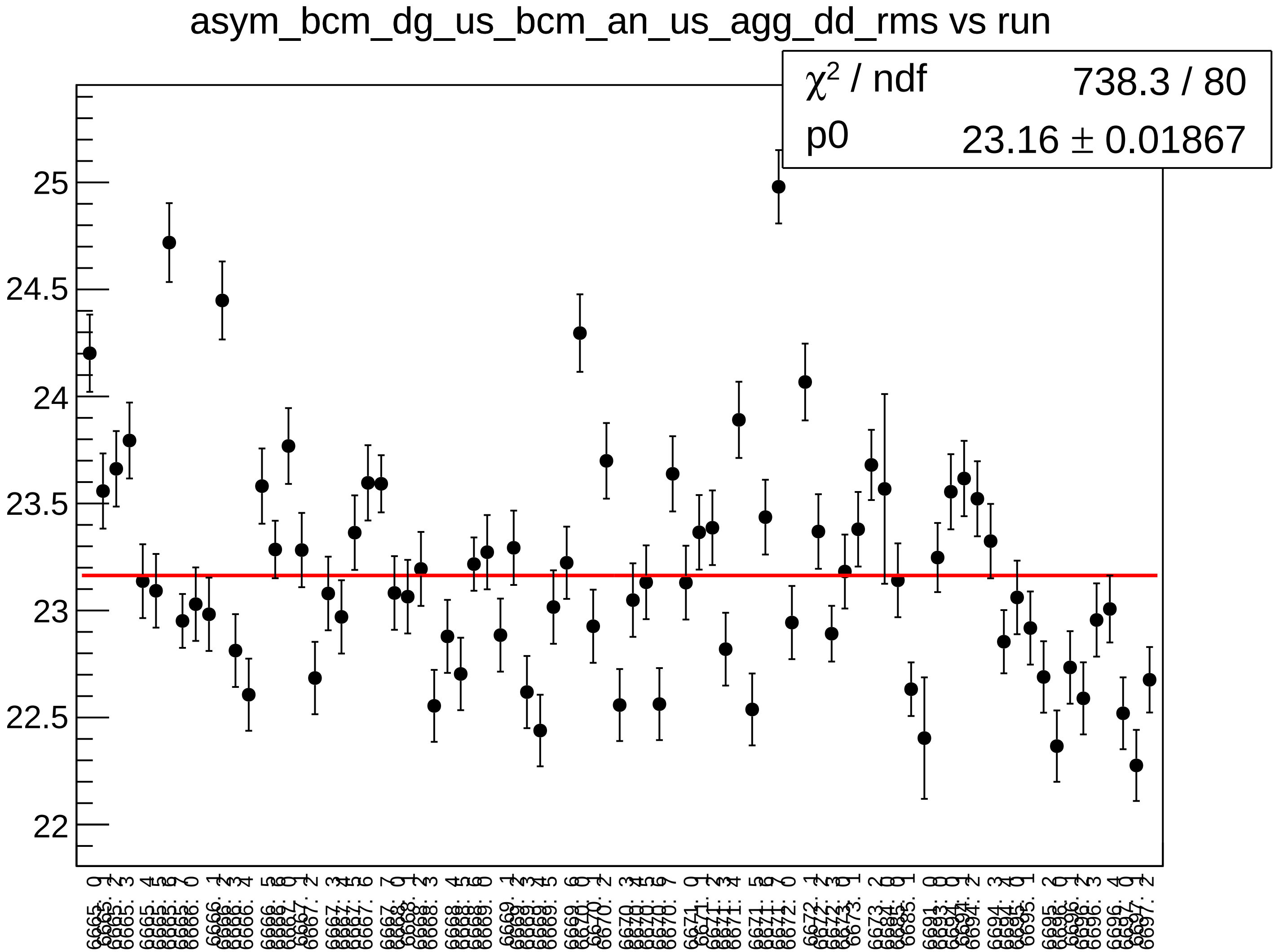
asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 22.73 / 80
p0 120.5 ± 375.2
pull
Entries 81
Mean −136.1
Std Dev 198
pull1D
Entries 81
Mean −0.002681
Std Dev 0.5297

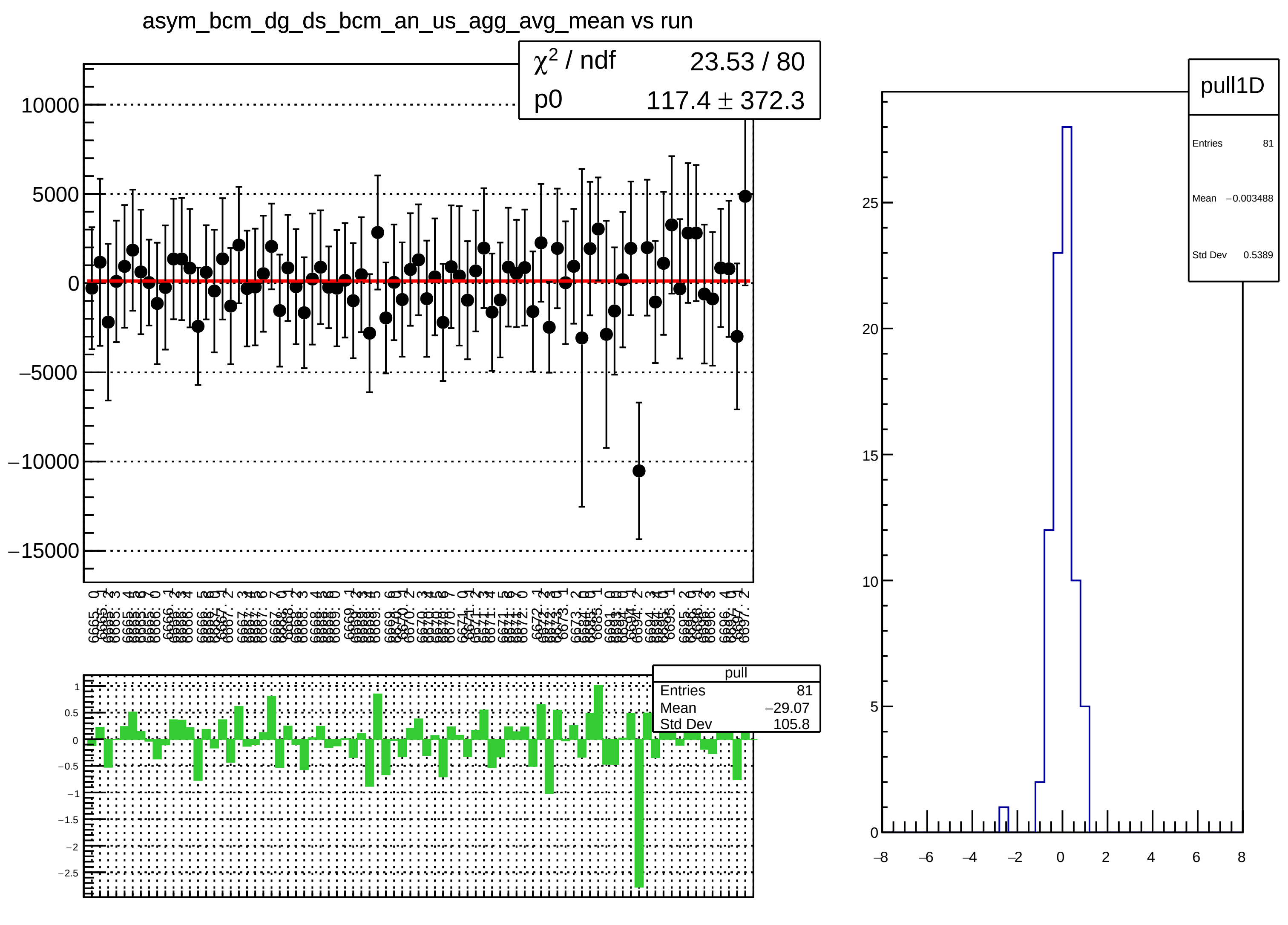


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 1.315e+04 / 80
p0 327.8 ± 0.2653
550
500
450
400
350
300

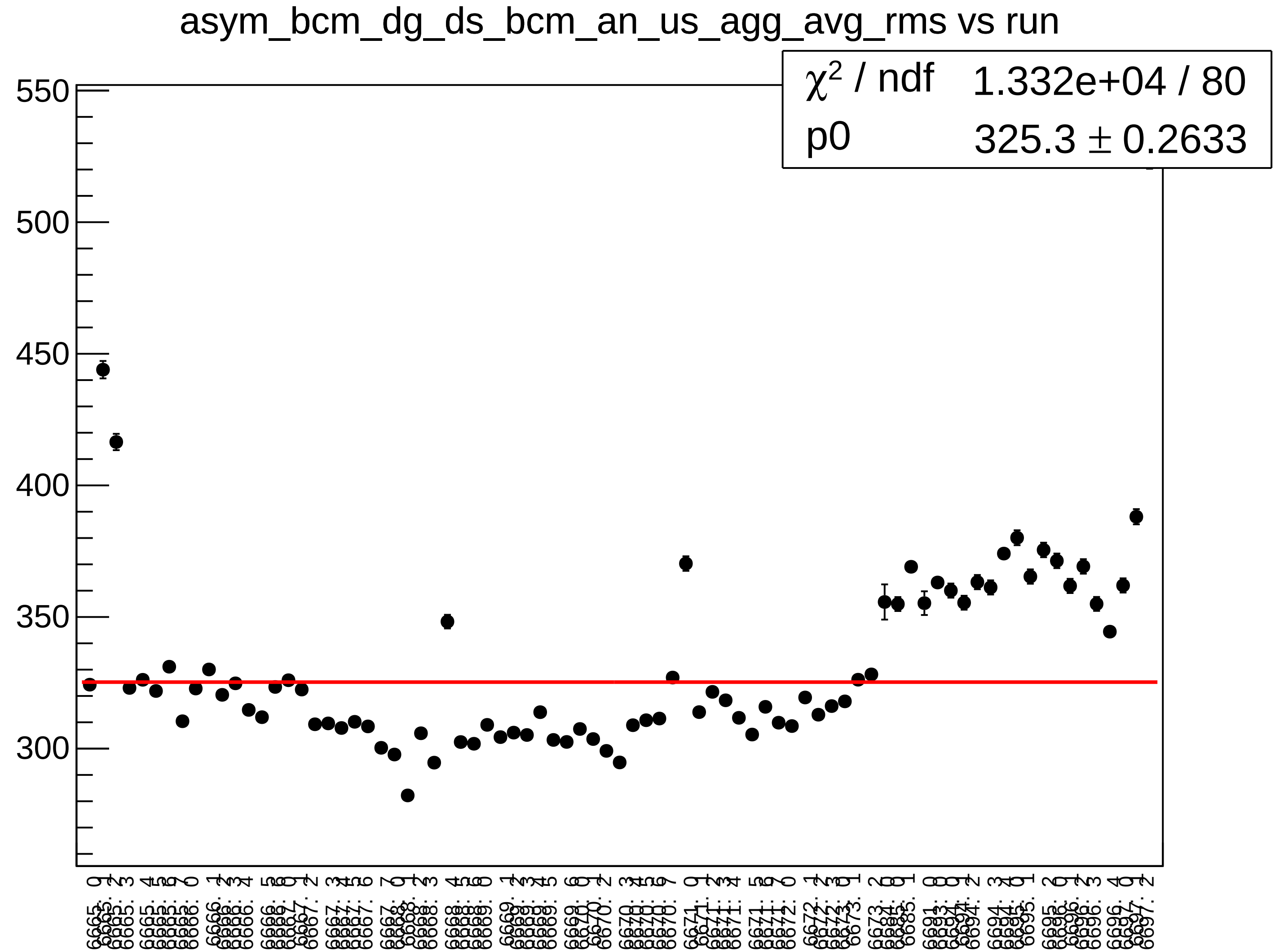


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 97.15 / 80
p0 −1.775 ± 26.41
1500
1000
500
0
−500
−1000
−1500
pull
Entries 81
Mean 104
Std Dev 40.9
3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.01796
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

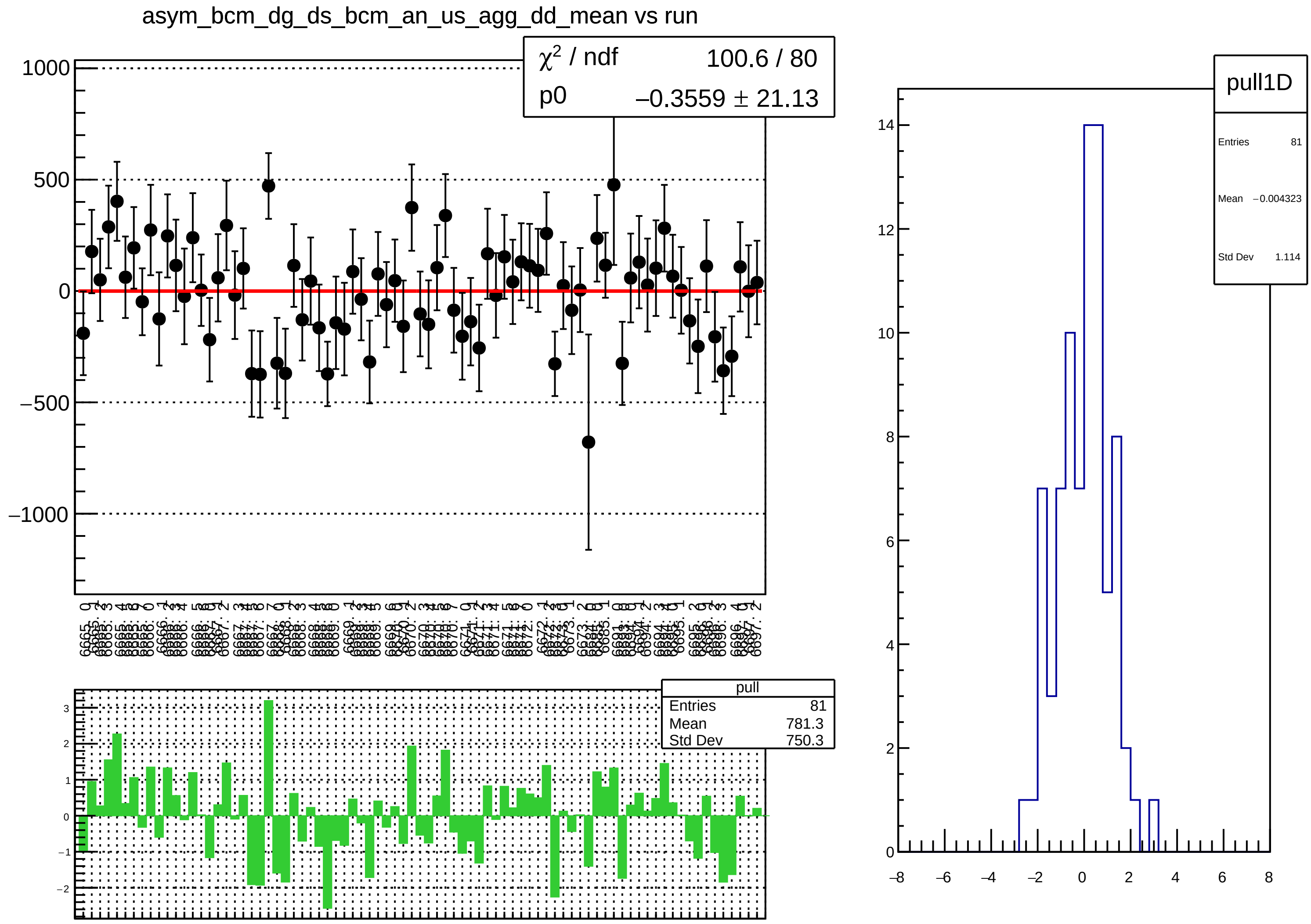

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ2 / ndf 738.3 / 80
p0 23.16 ± 0.01867
25
24.5
24
23.5
23
22.5
22



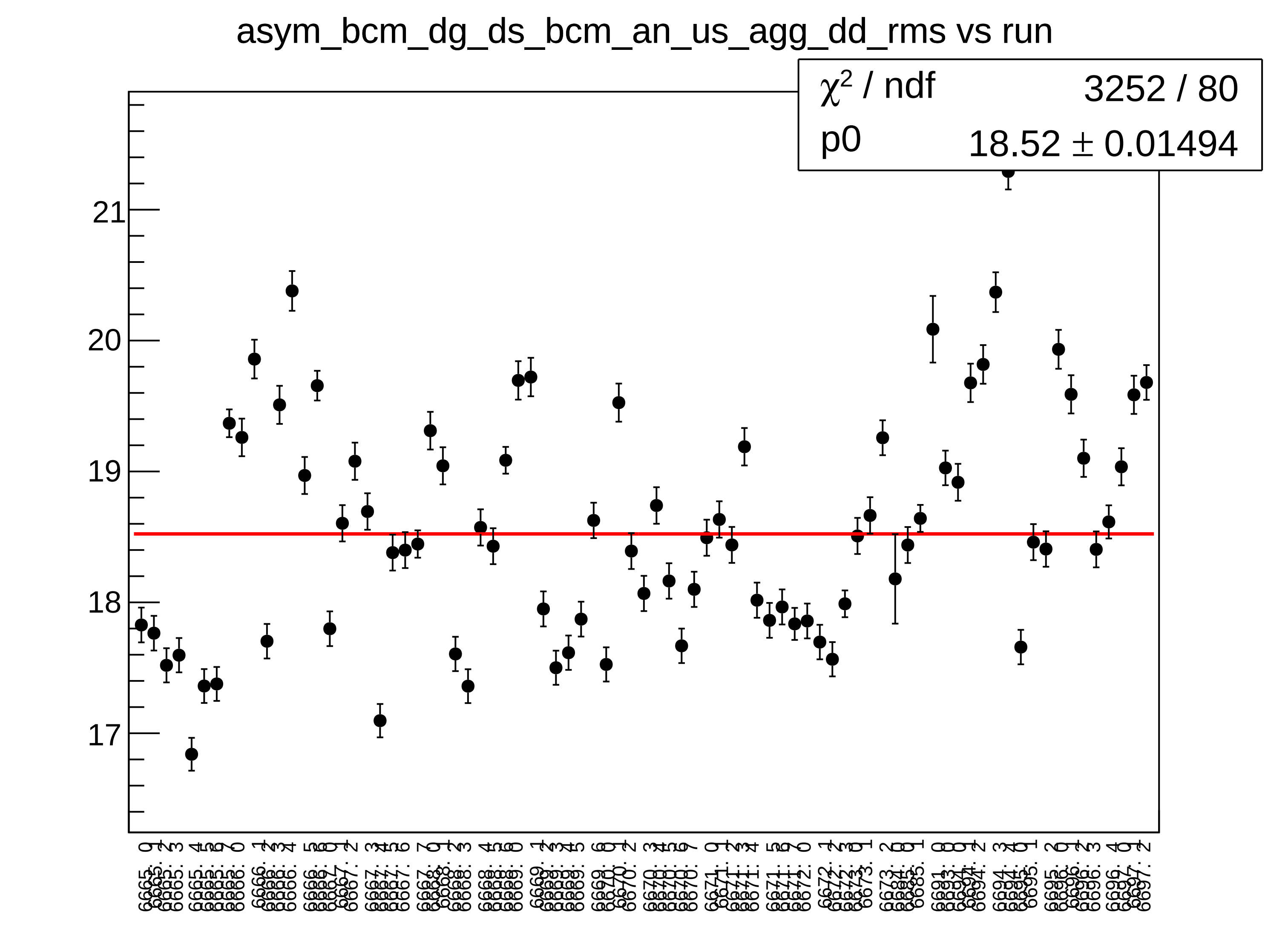
asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 23.53 / 80
p0 117.4 ± 372.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −29.07
Std Dev 105.8
pull1D
Entries 81
Mean −0.003488
Std Dev 0.5389

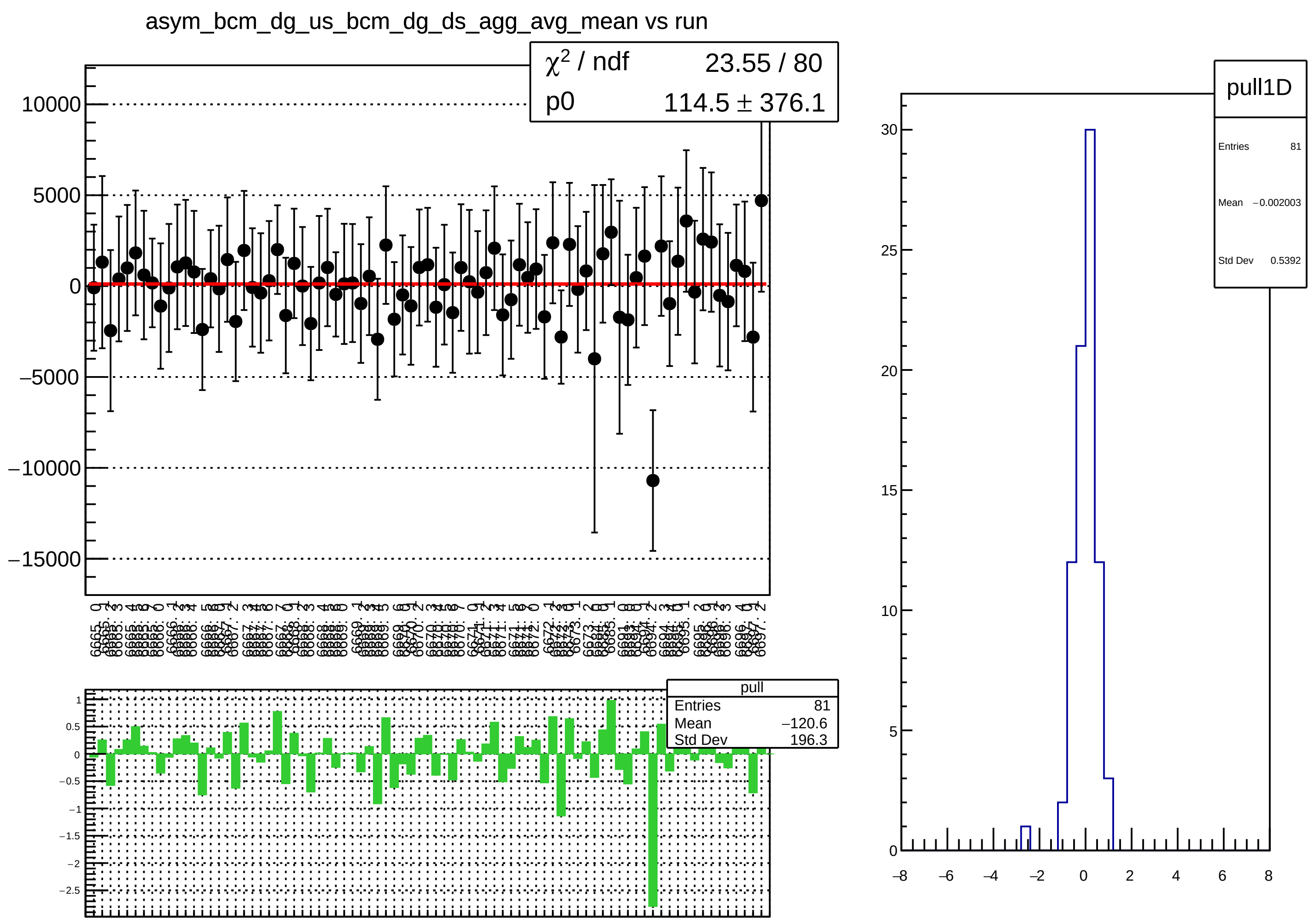


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 1.332e+04 / 80
p0 325.3 ± 0.2633
550
500
450
400
350
300

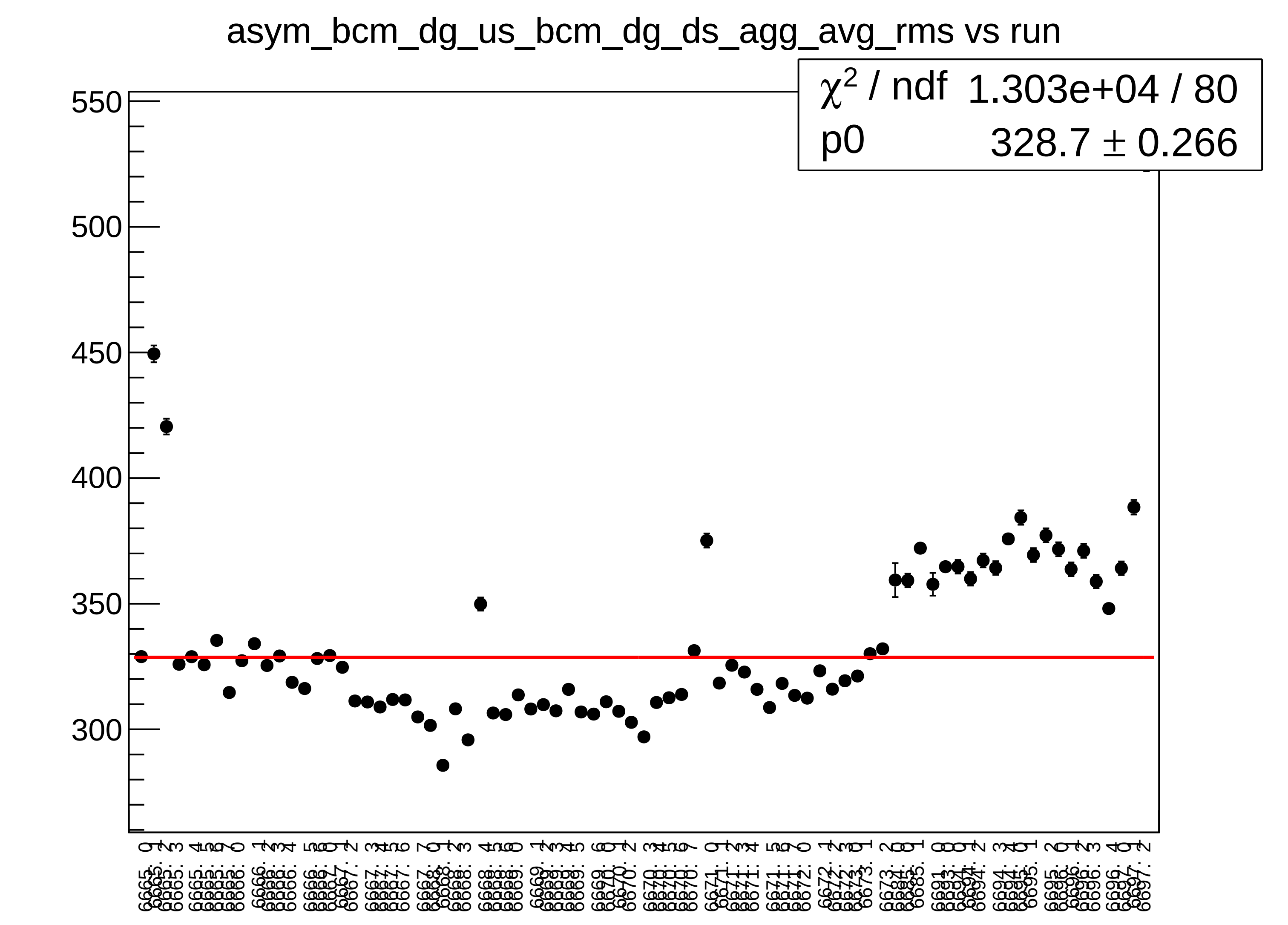


asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ2 / ndf 100.6 / 80
p0 −0.3559 ± 21.13
pull
Entries 81
Mean 781.3
Std Dev 750.3
pull1D
Entries 81
Mean −0.004323
Std Dev 1.114

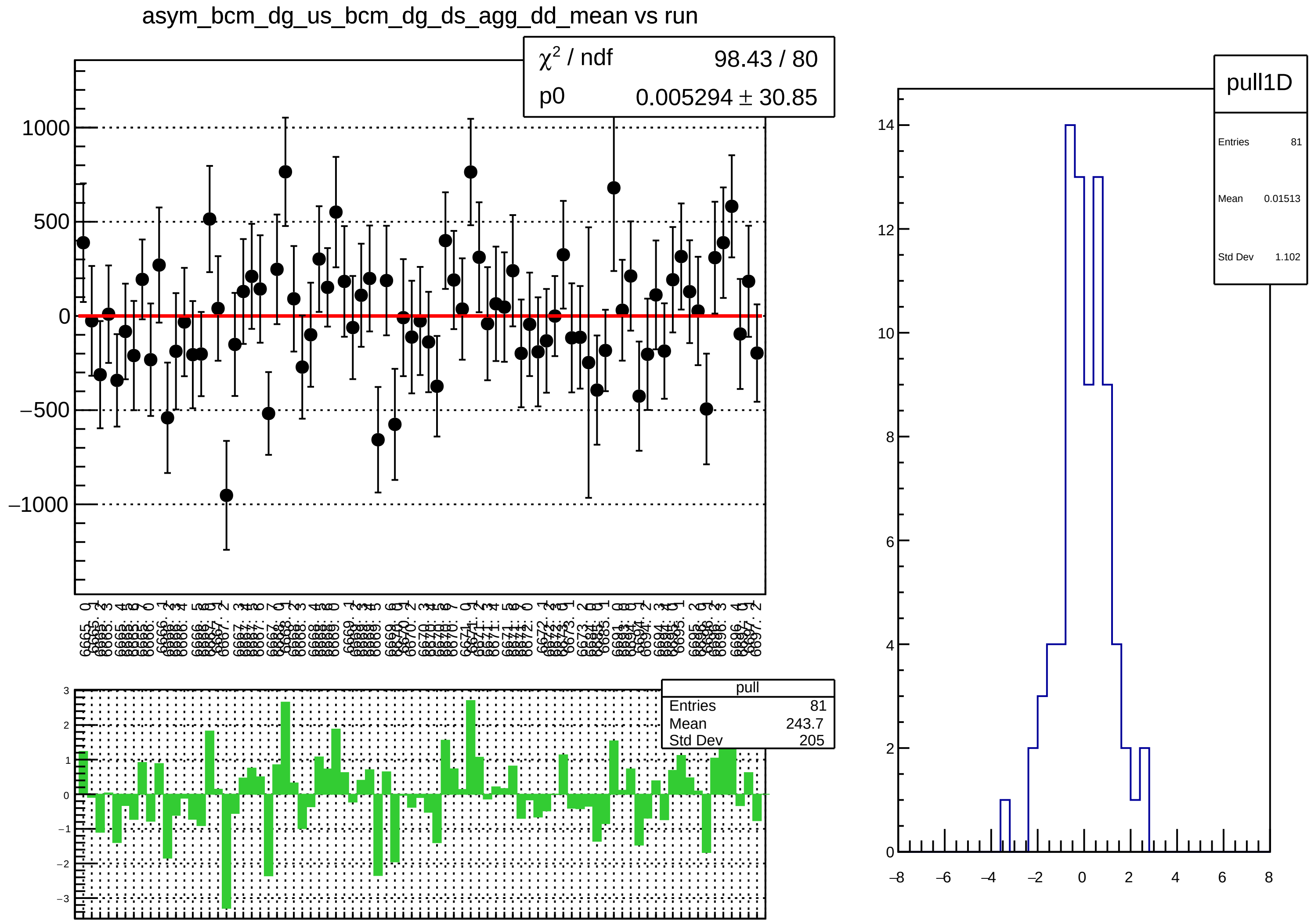

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ2 / ndf 3252 / 80
p0 18.52 ± 0.01494
21
20
19
18
17



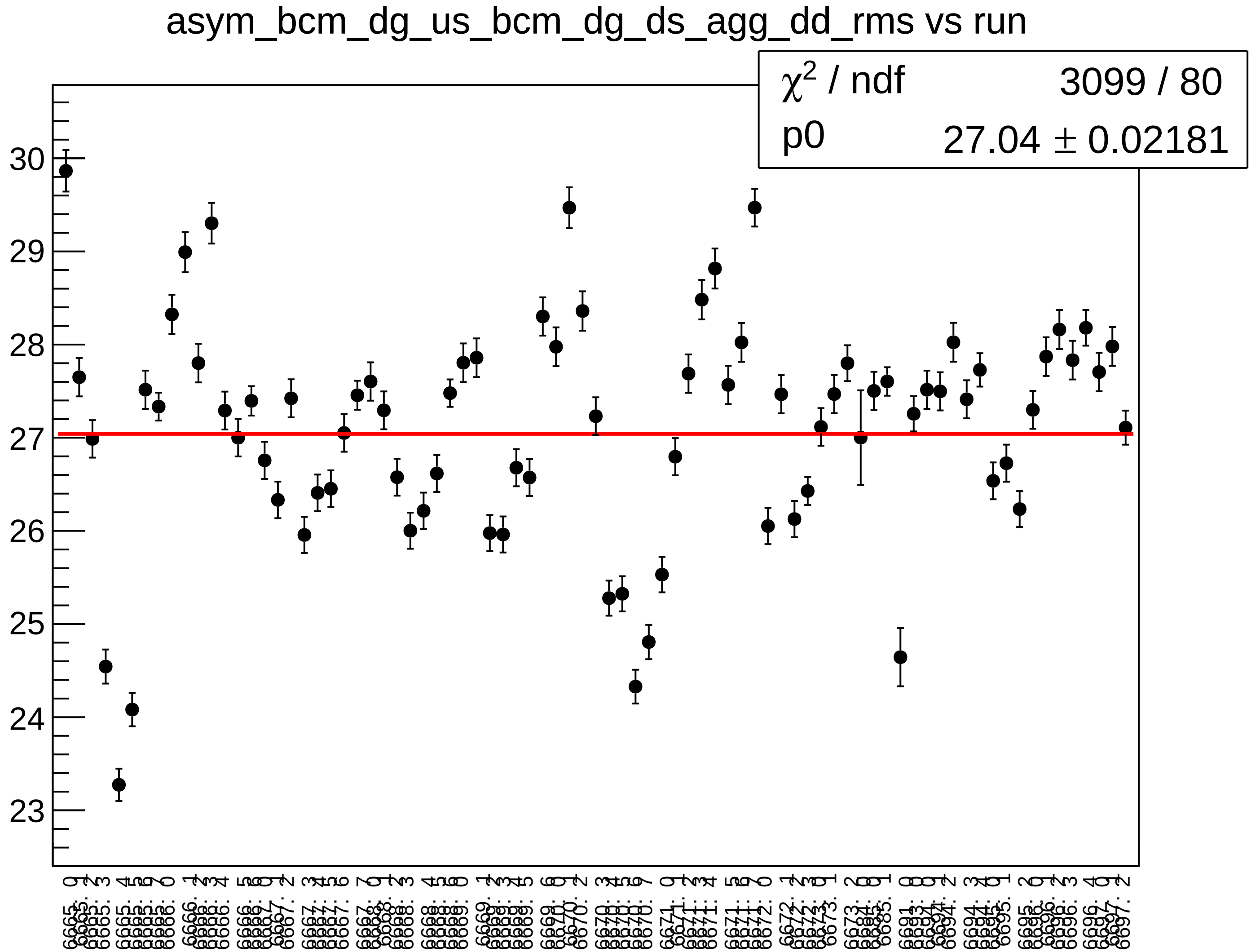
asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ2 / ndf 23.55 / 80
p0 114.5 ± 376.1
pull
Entries 81
Mean −120.6
Std Dev 196.3
pull1D
Entries 81
Mean −0.002003
Std Dev 0.5392

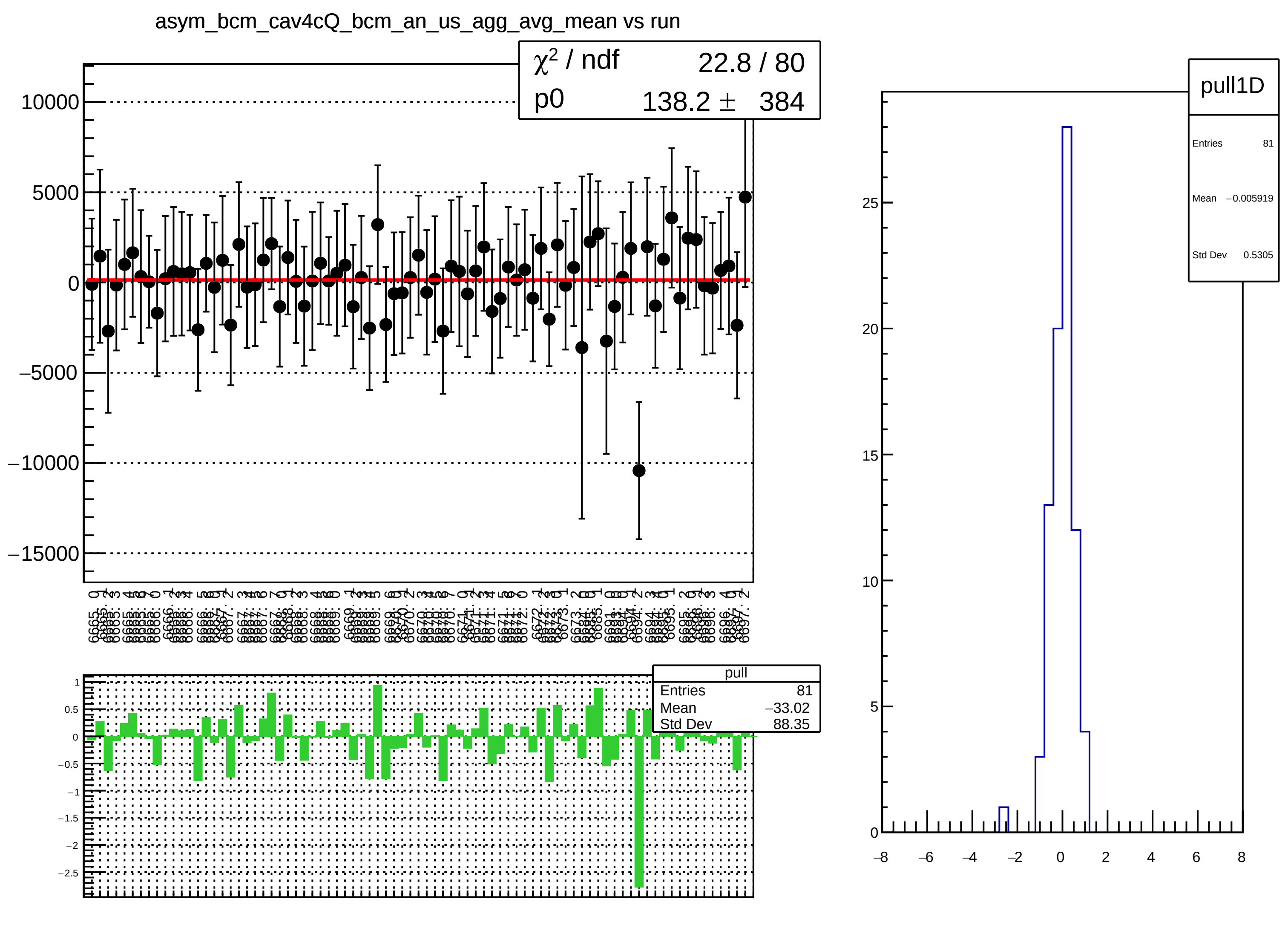


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 1.303e+04 / 80
p0 328.7 ± 0.266
550
500
450
400
350
300

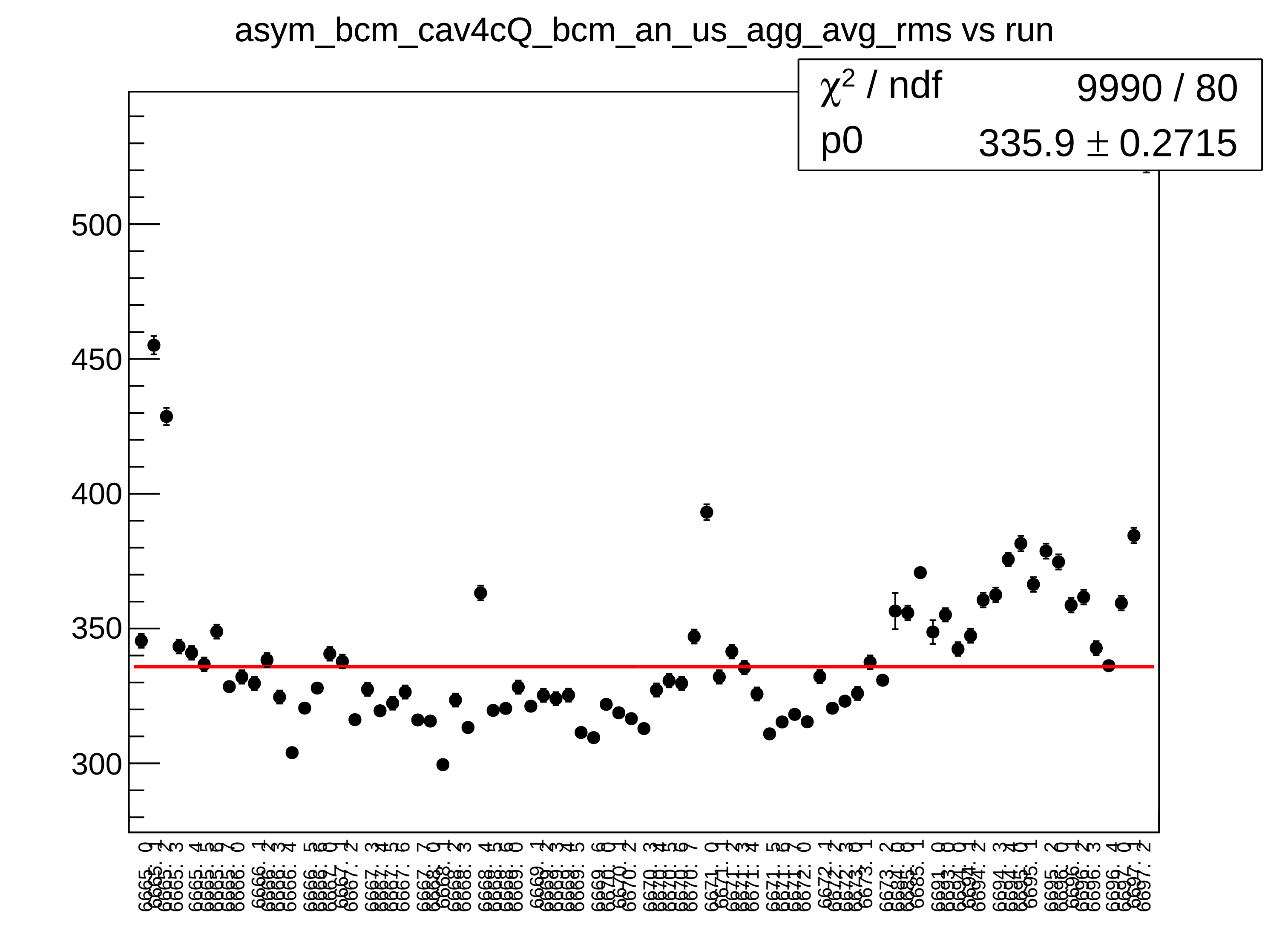


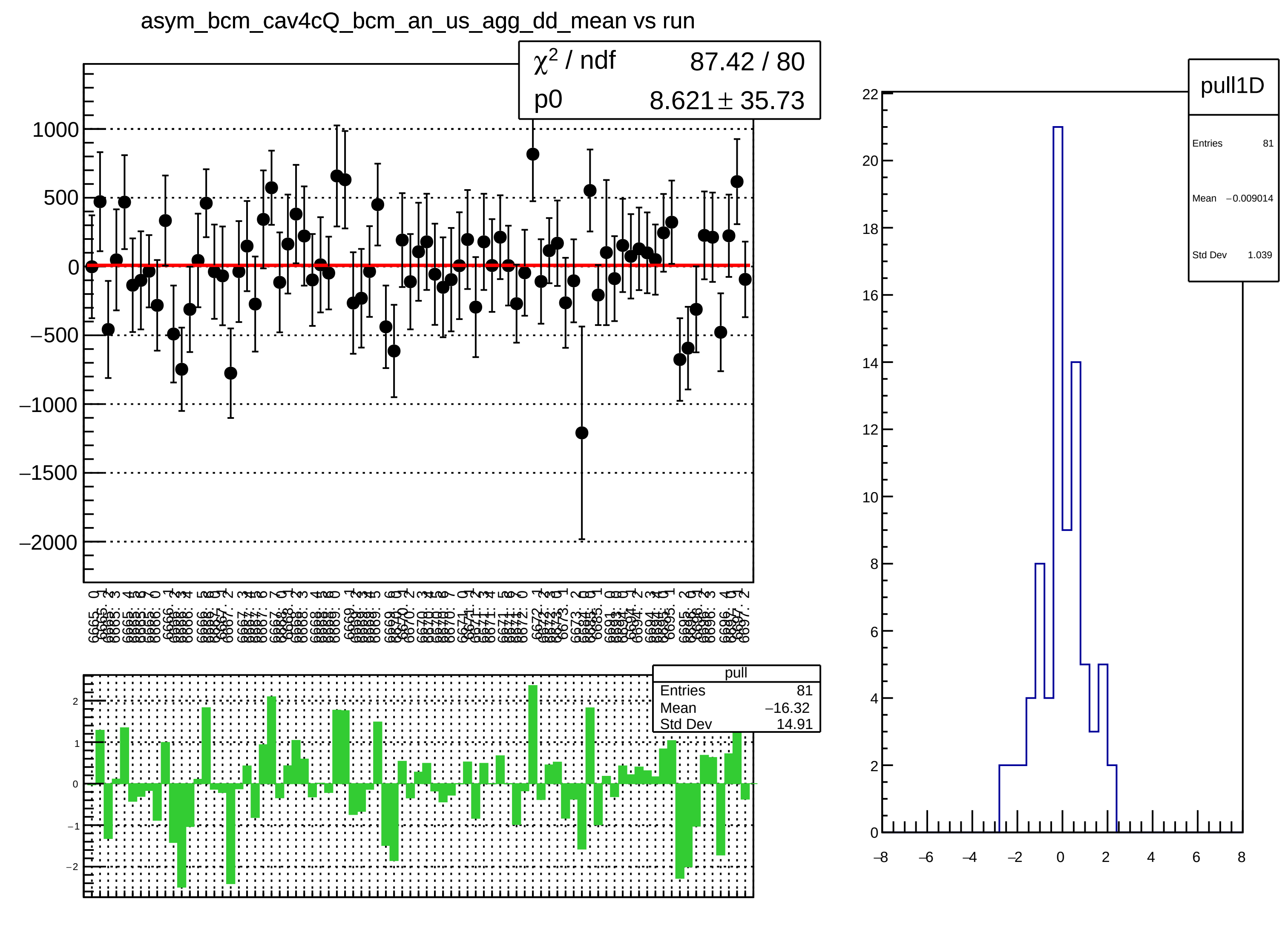
asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 98.43 / 80
p0 0.005294 ± 30.85
pull
Entries 81
Mean 243.7
Std Dev 205
pull1D
Entries 81
Mean 0.01513
Std Dev 1.102

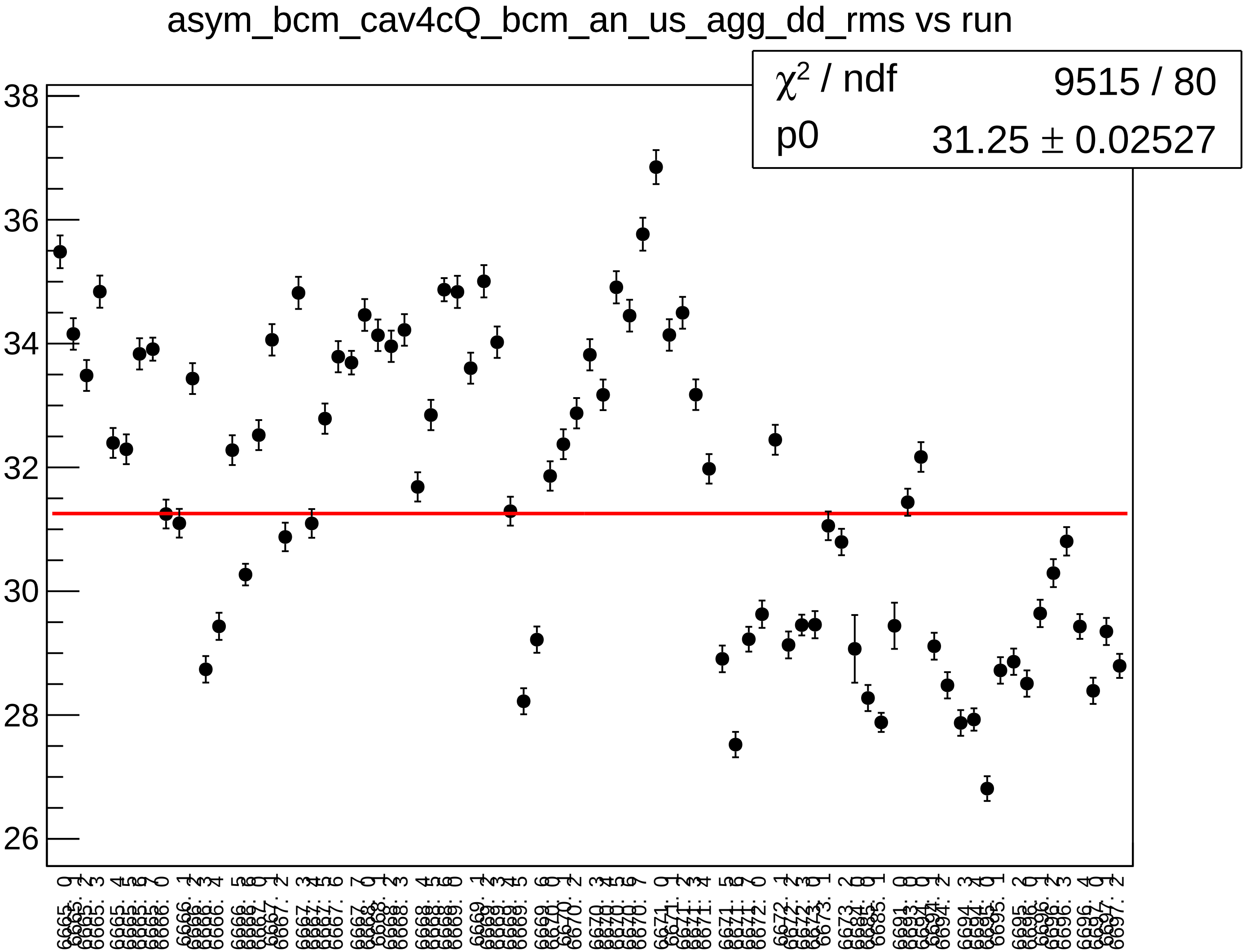

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 3099 / 80
p0 27.04 ± 0.02181
30
29
28
27
26
25
24
23



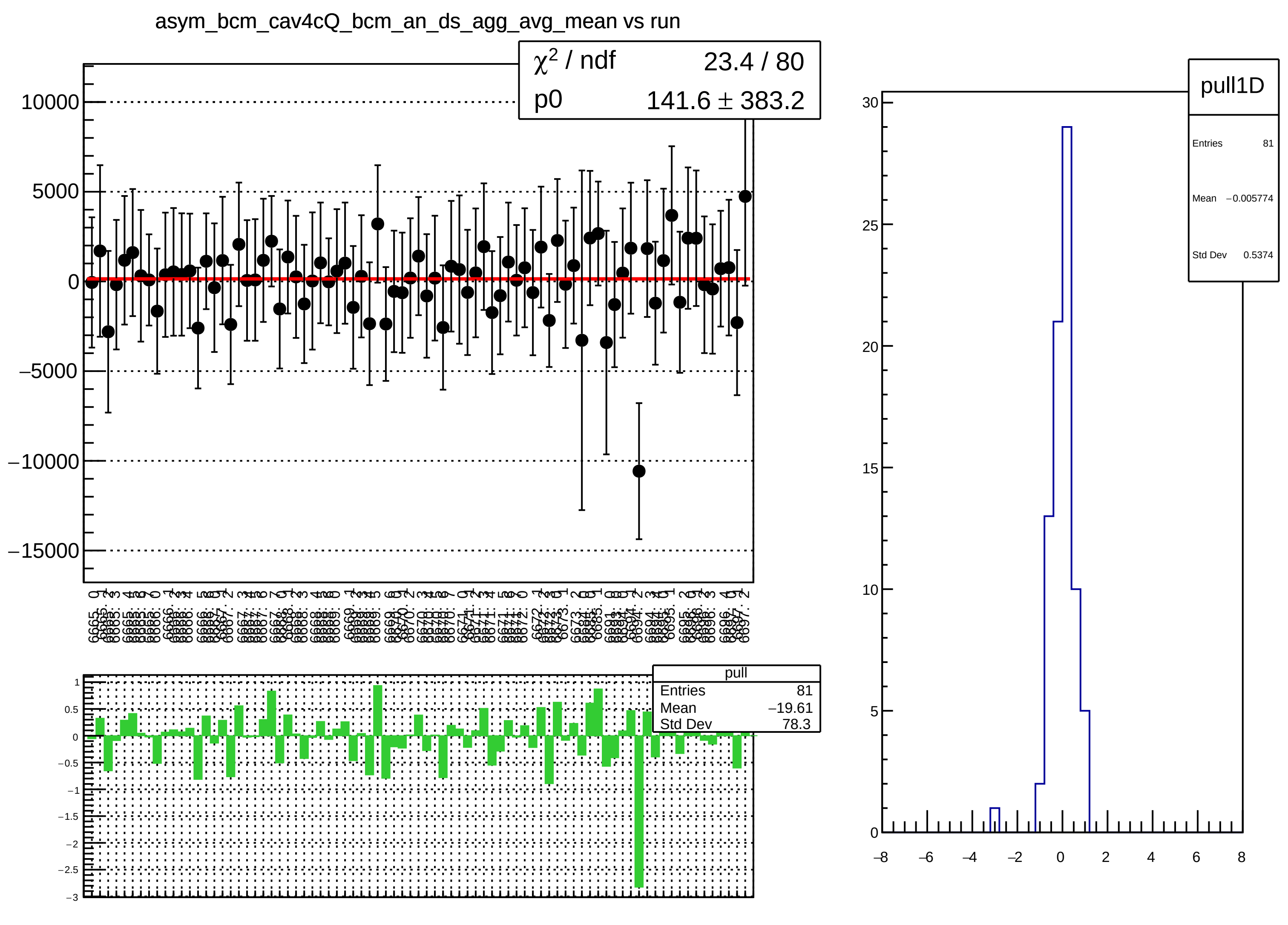
asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 22.8 / 80
p0 138.2 ± 384
pull
Entries 81
Mean −33.02
Std Dev 88.35
pull1D
Entries 81
Mean −0.005919
Std Dev 0.5305


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 9990 / 80
p0 335.9 ± 0.2715
500
450
400
350
300

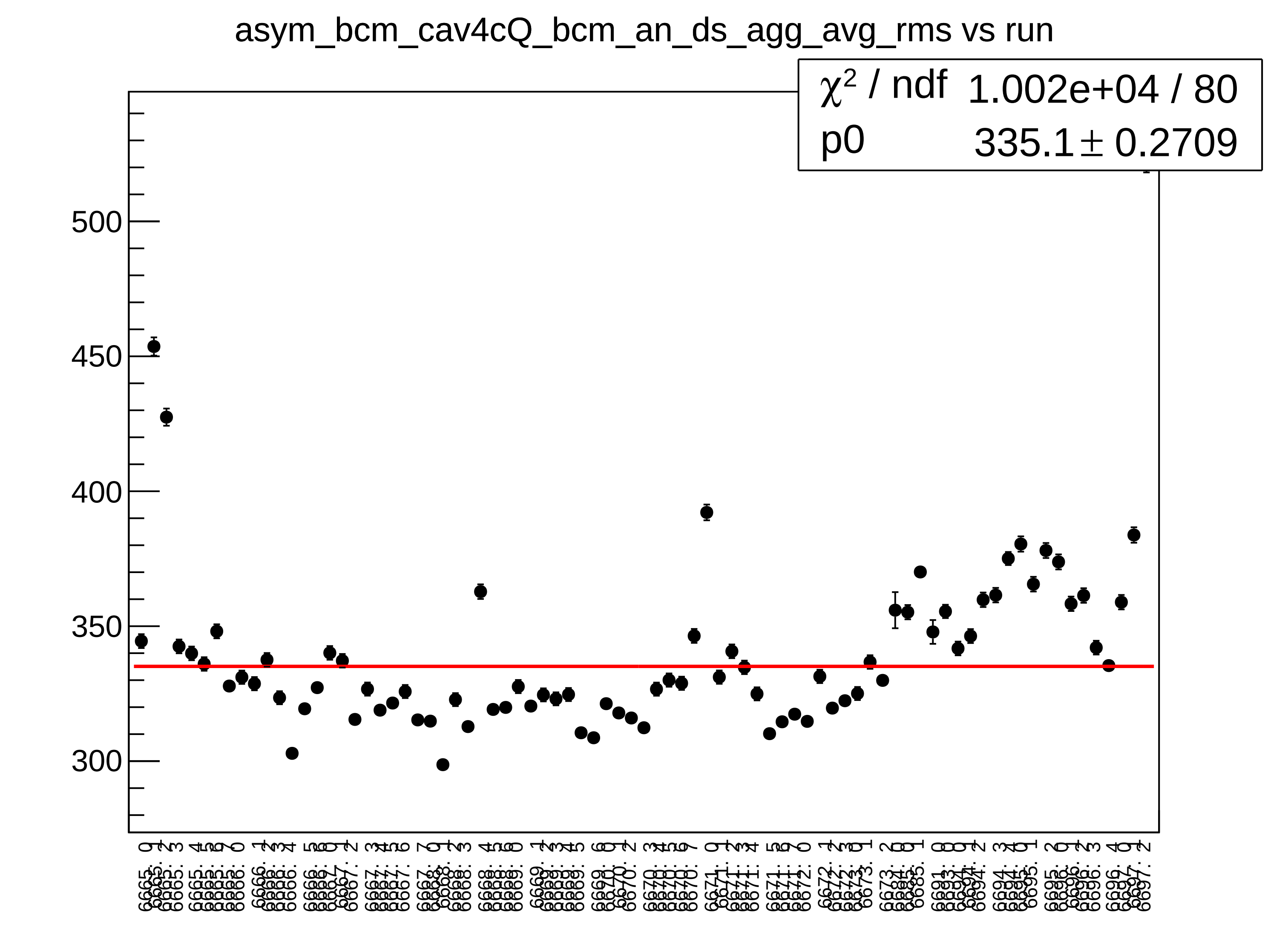

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 87.42 / 80
p0 8.621 ± 35.73
pull
Entries 81
Mean −16.32
Std Dev 14.91
pull1D
Entries 81
Mean −0.009014
Std Dev 1.039



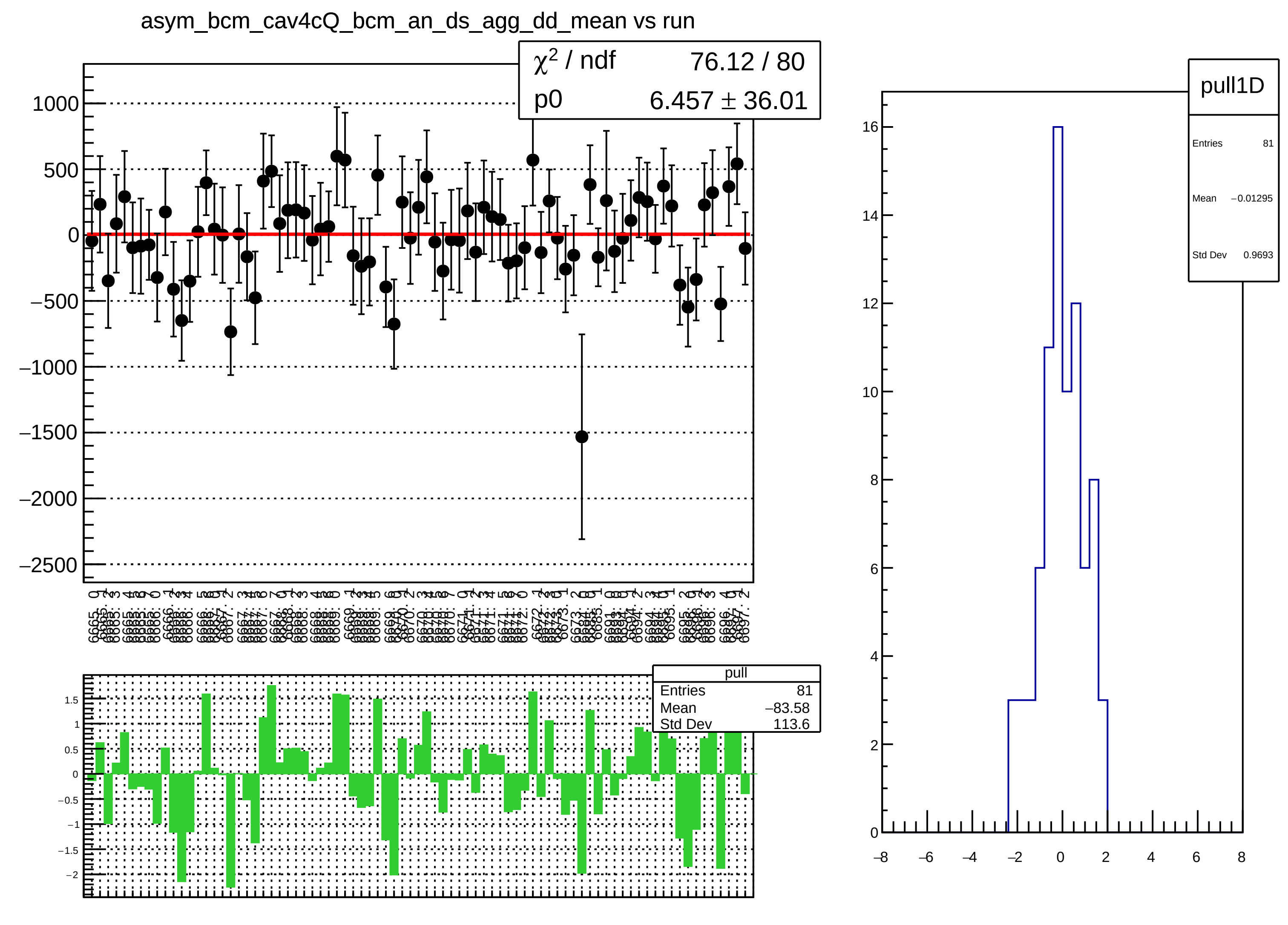
asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 9515 / 80
p0 31.25 ± 0.02527
38
36
34
32
30
28
26

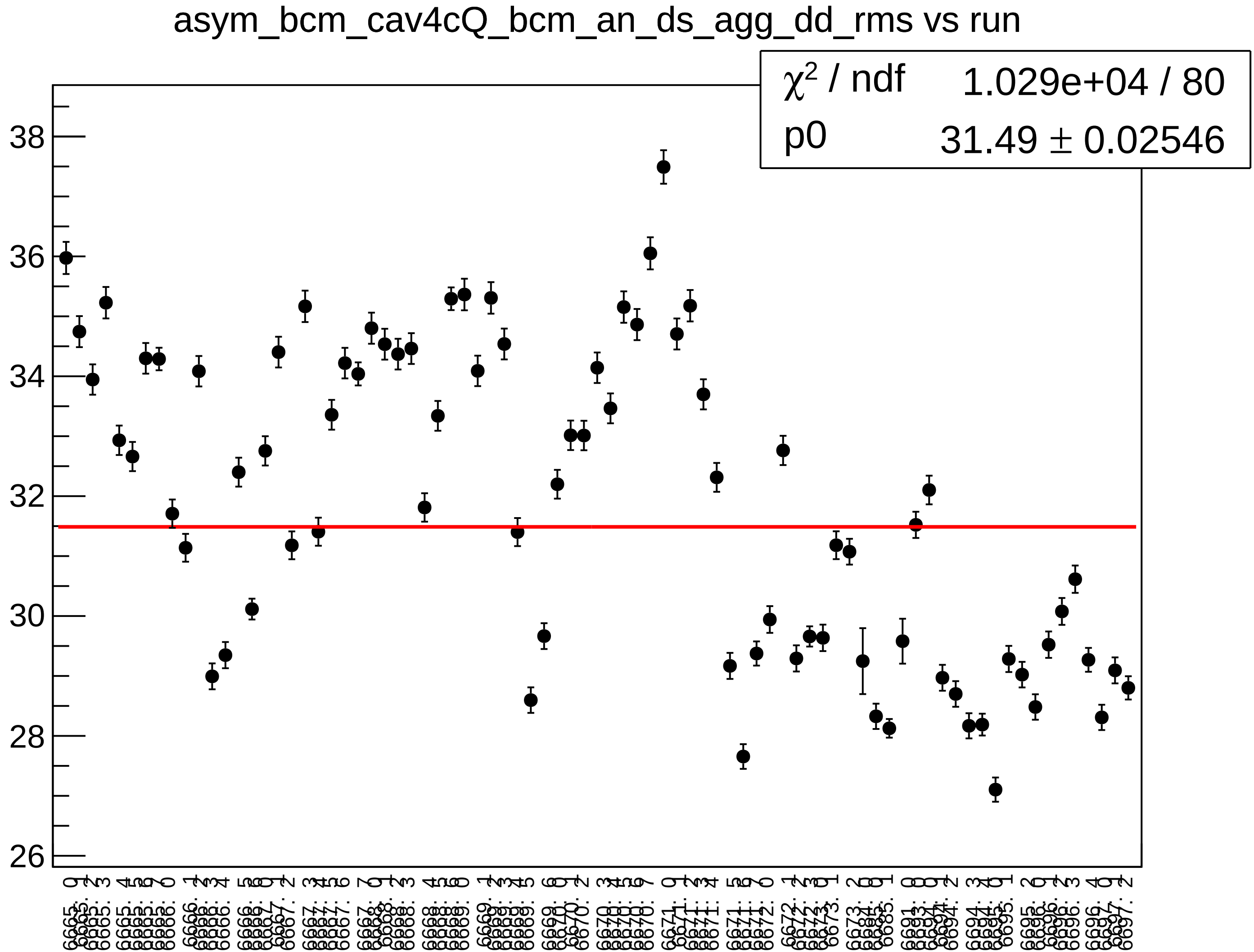


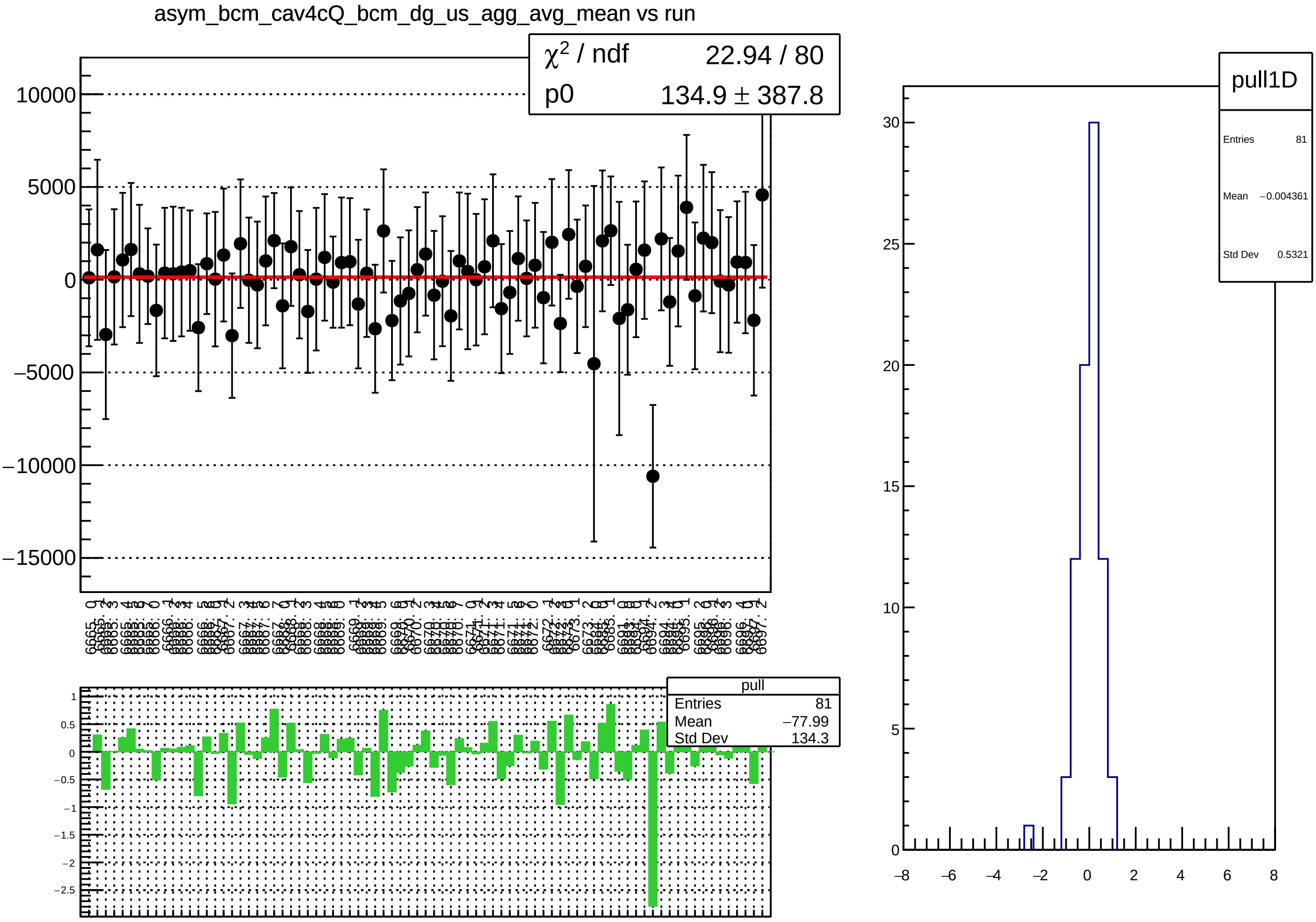
asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 23.4 / 80
p0 141.6 ± 383.2
pull
Entries 81
Mean −19.61
Std Dev 78.3
pull1D
Entries 81
Mean −0.005774
Std Dev 0.5374



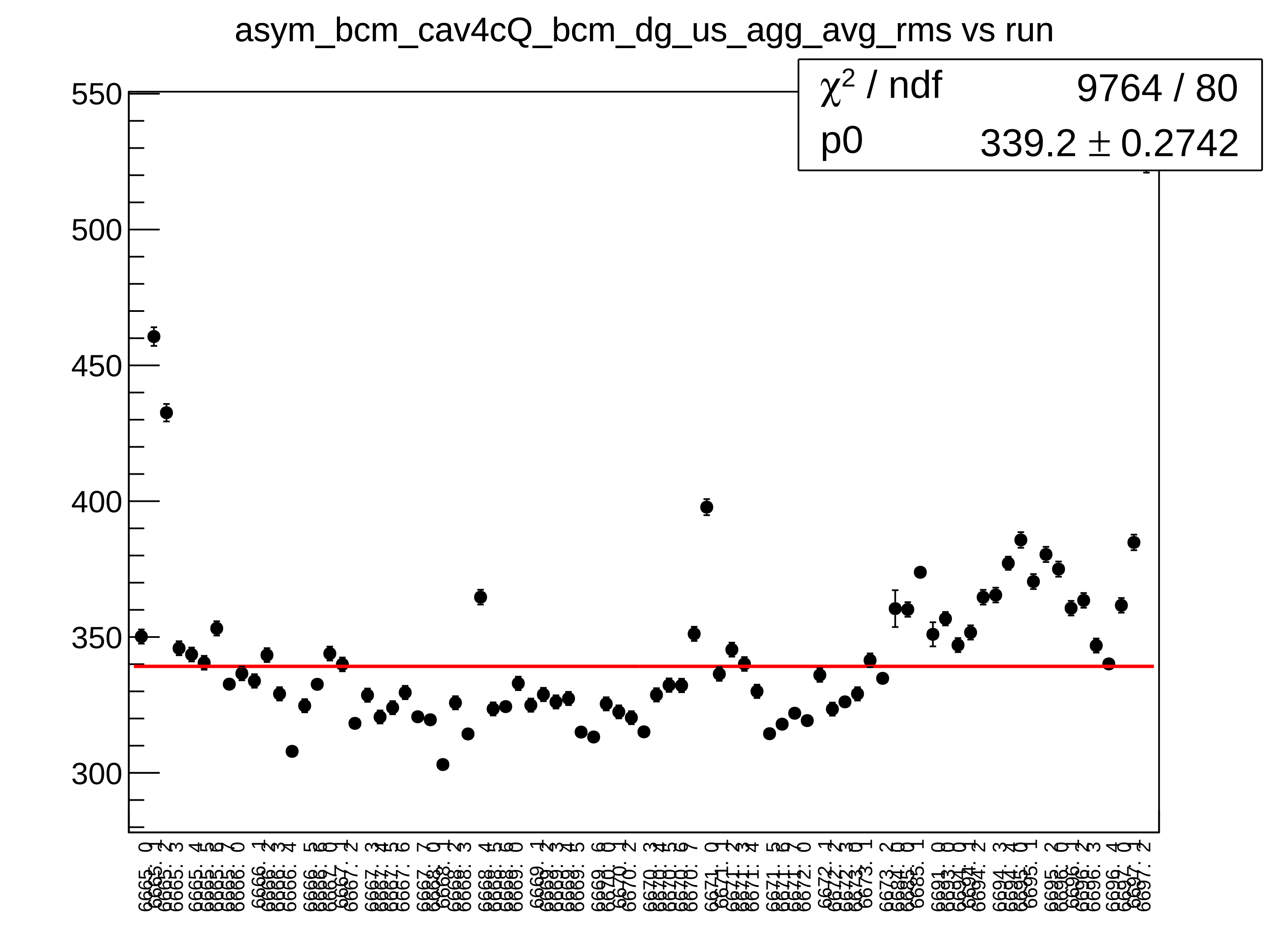
asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 1.002e+04 / 80
p0 335.1 ± 0.2709
500
450
400
350
300


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 76.12 / 80
p0 6.457 ± 36.01
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 81
Mean −83.58
Std Dev 113.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.01295
Std Dev 0.9693
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

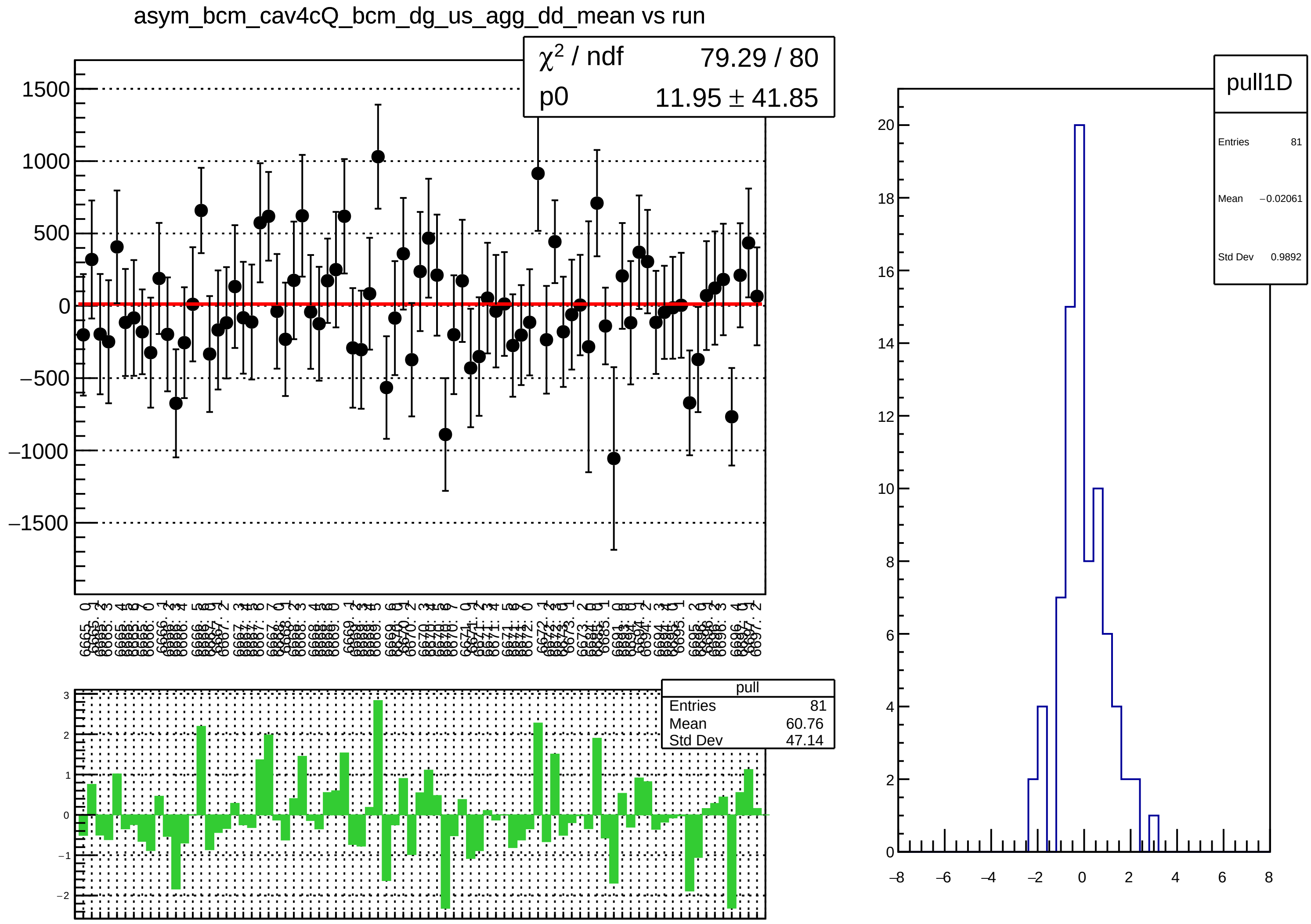

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ2 / ndf 1.029e+04 / 80
p0 31.49 ± 0.02546
38
36
34
32
30
28
26



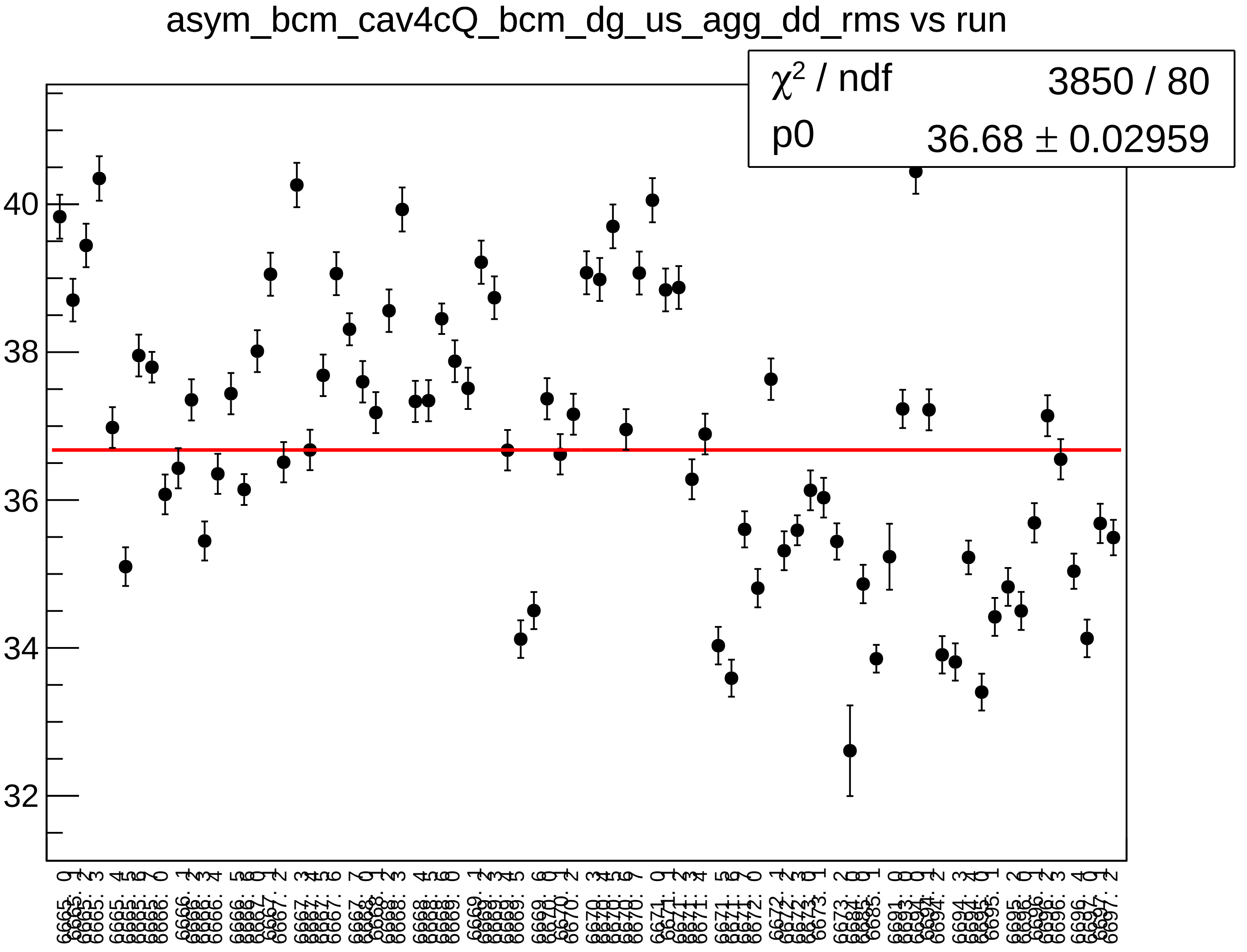
asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ2 / ndf 22.94 / 80
p0 134.9 ± 387.8
pull
Entries 81
Mean −77.99
Std Dev 134.3
pull1D
Entries 81
Mean −0.004361
Std Dev 0.5321

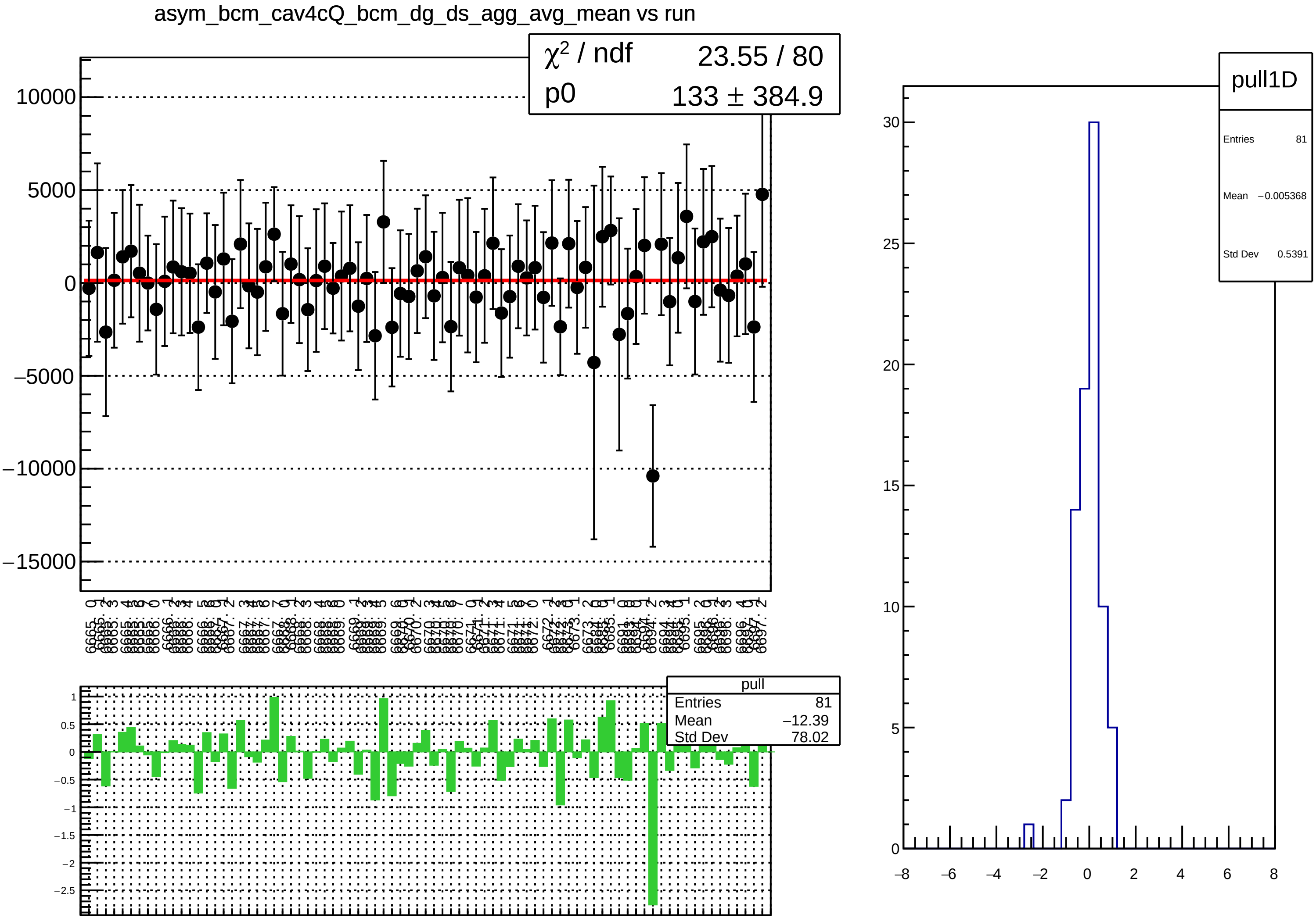


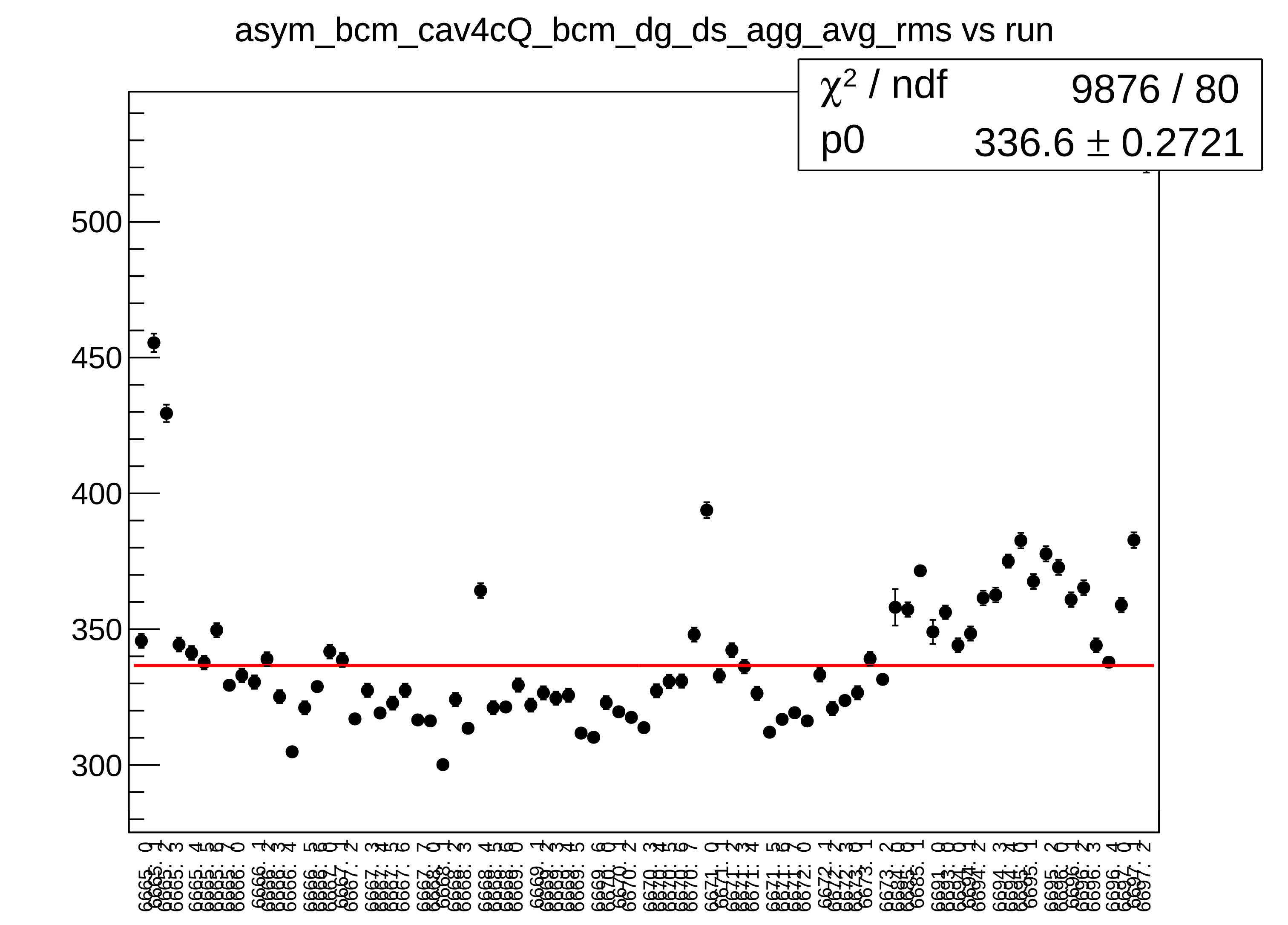
asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ^2 / ndf 9764 / 80
p0 339.2 ± 0.2742
550
500
450
400
350
300



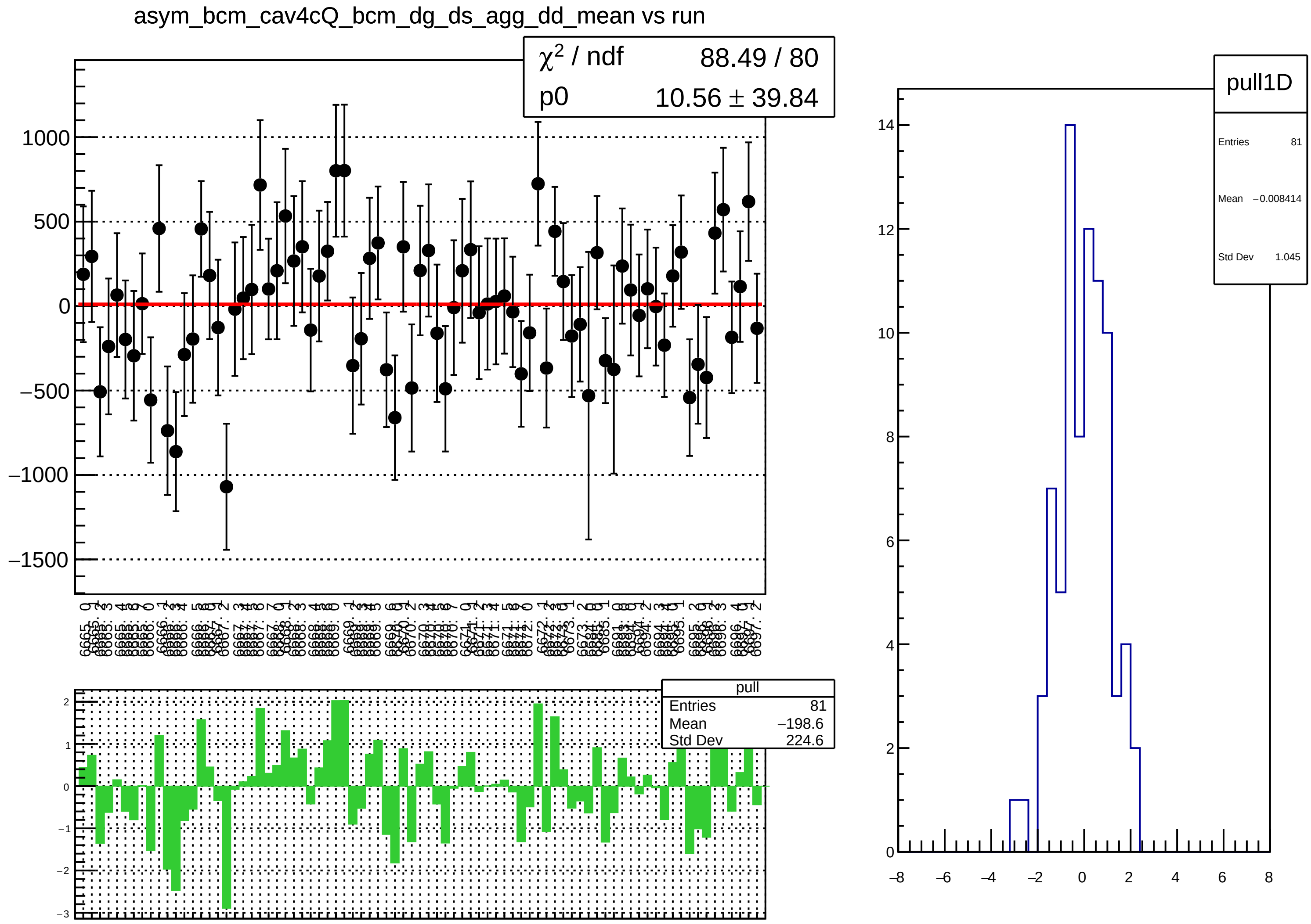
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ^2 / ndf 79.29 / 80
p0 11.95 ± 41.85
1500
1000
500
0
−500
−1000
−1500
pull
Entries 81
Mean 60.76
Std Dev 47.14
pull1D
Entries 81
Mean −0.02061
Std Dev 0.9892

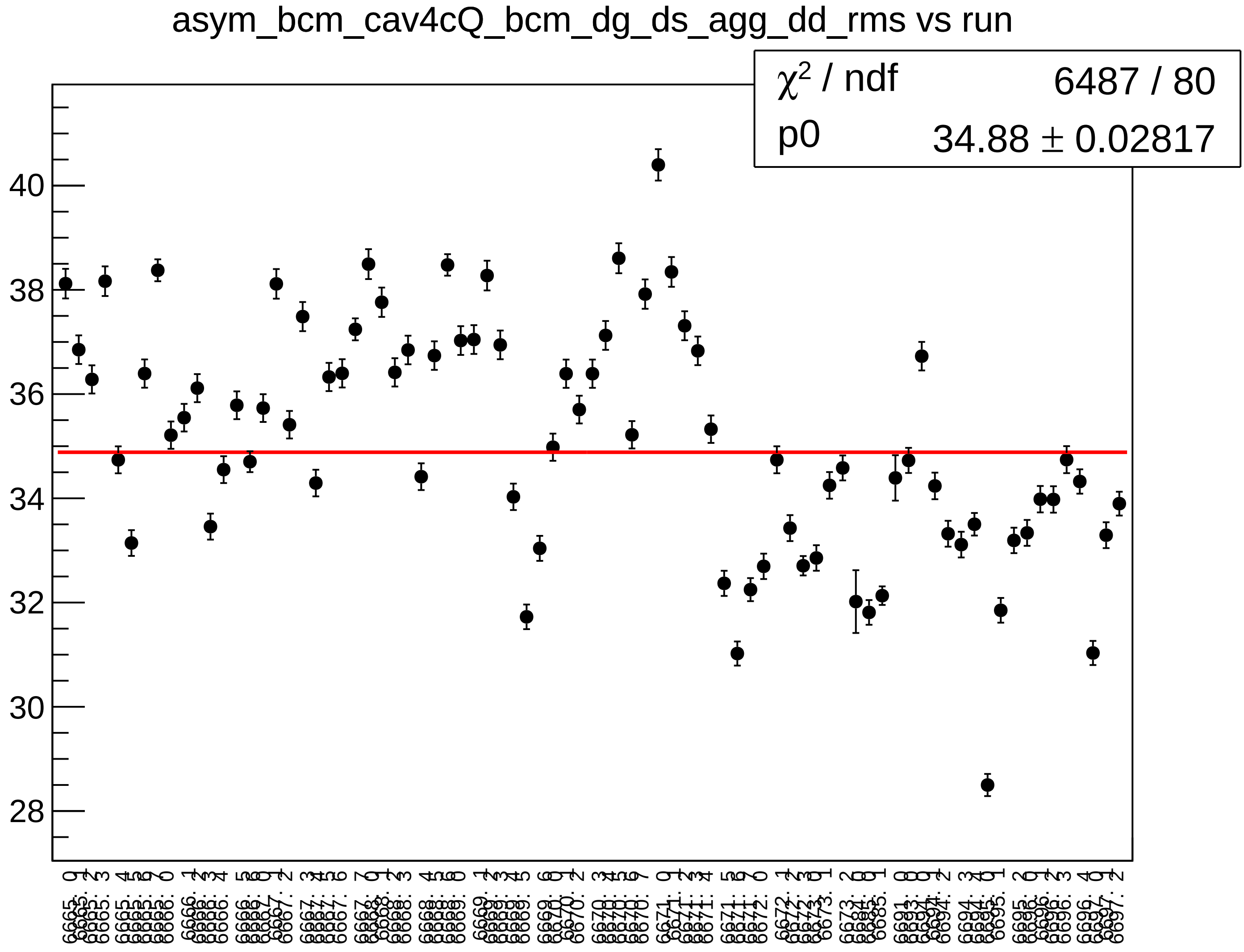

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ^2 / ndf 3850 / 80
p0 36.68 ± 0.02959
40
38
36
34
32


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 23.55 / 80
p0 133 ± 384.9
pull
Entries 81
Mean −12.39
Std Dev 78.02
pull1D
Entries 81
Mean −0.005368
Std Dev 0.5391

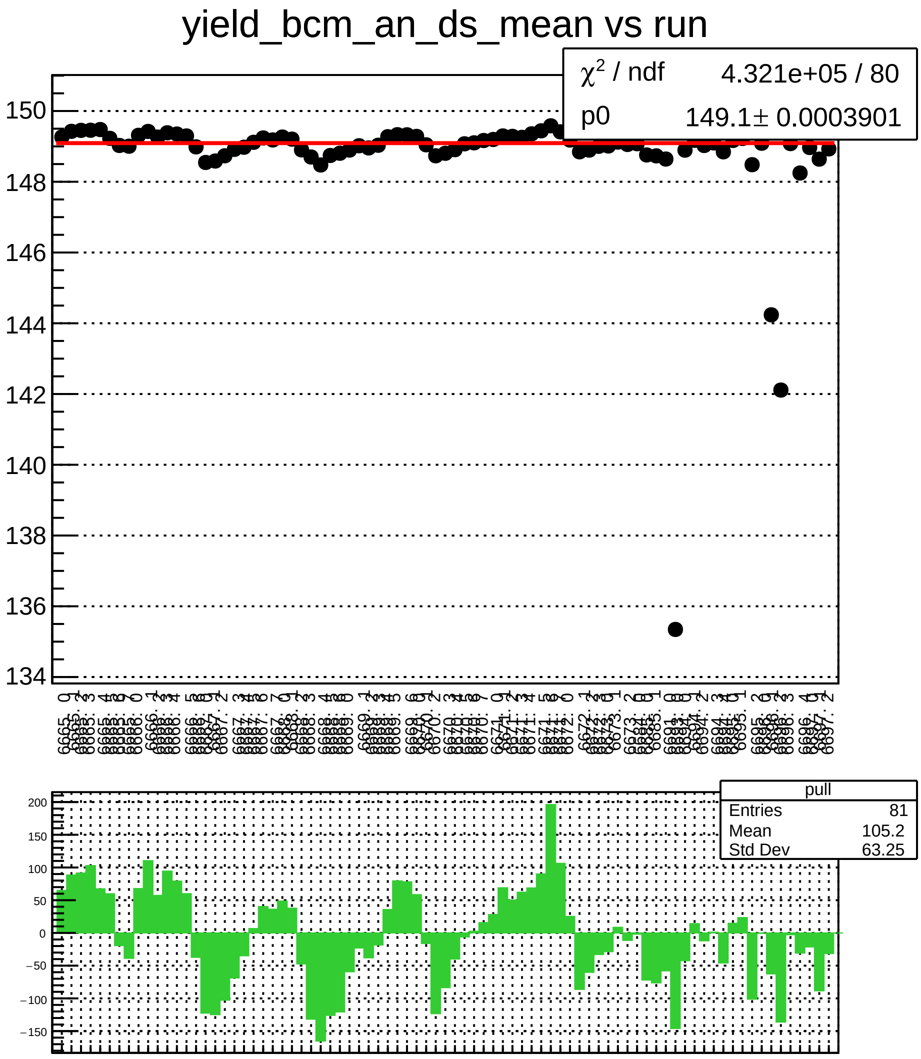


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 9876 / 80
p0 336.6 ± 0.2721
500
450
400
350
300

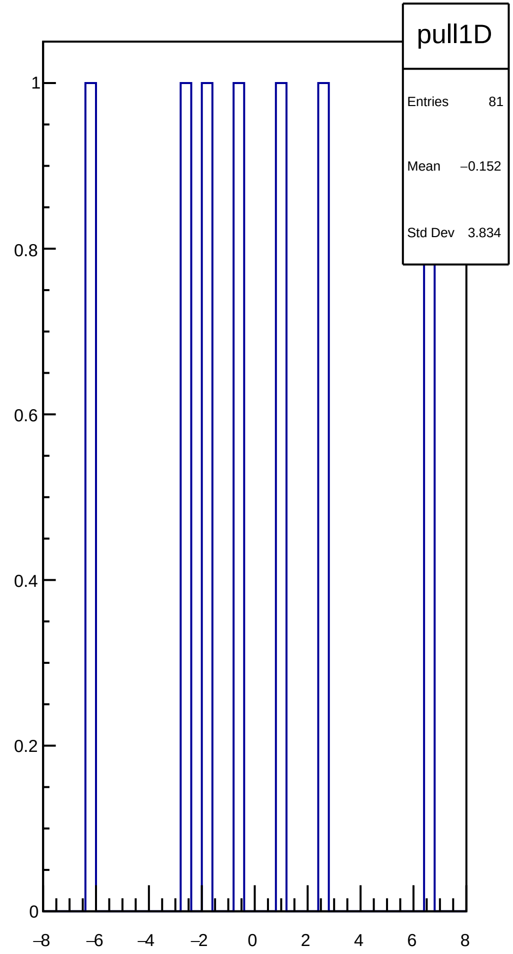

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 88.49 / 80
p0 10.56 ± 39.84
1000
500
0
−500
−1000
−1500
pull
Entries 81
Mean −198.6
Std Dev 224.6
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.008414
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



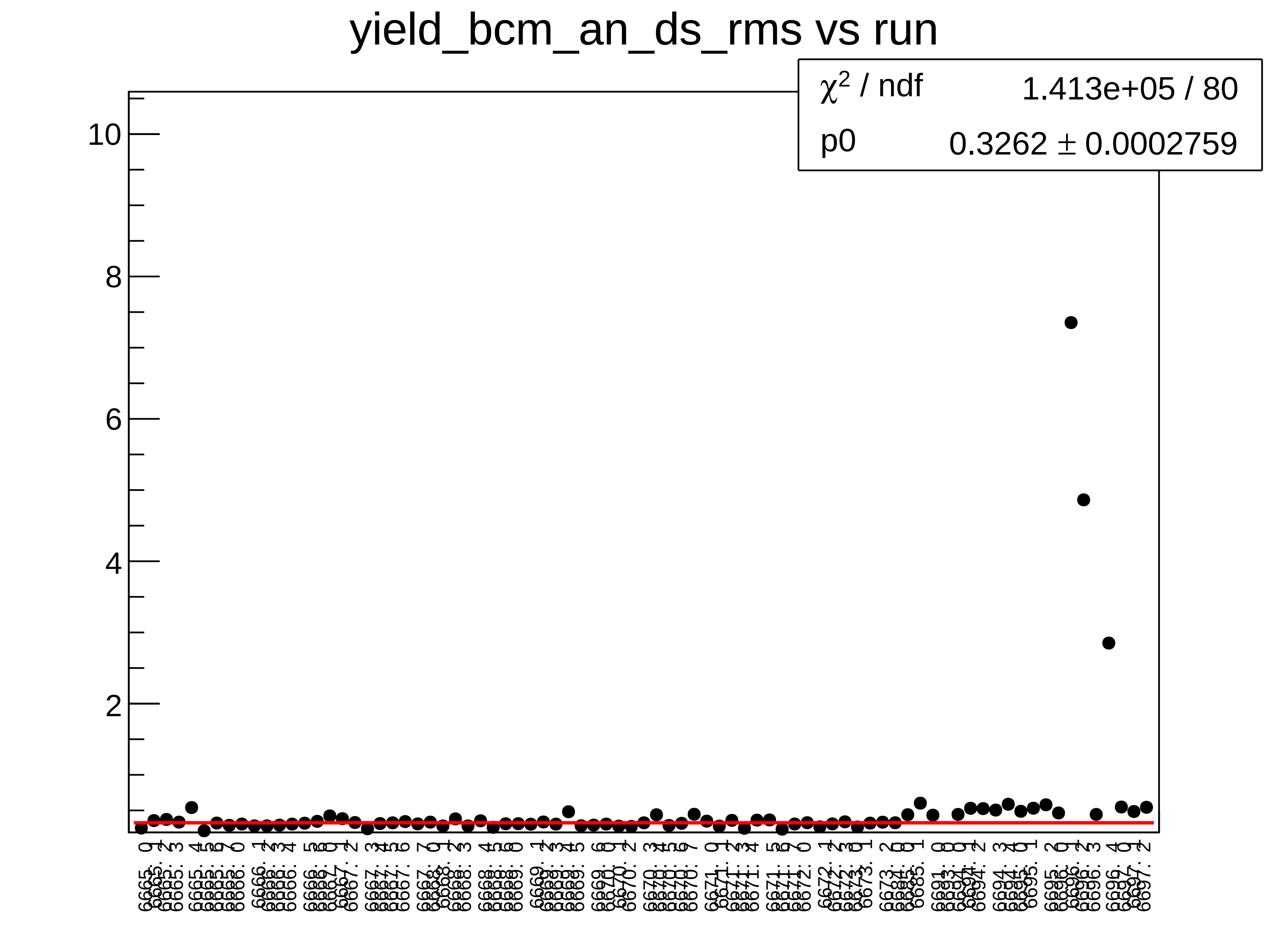
asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ2 / ndf 6487 / 80
p0 34.88 ± 0.02817
40
38
36
34
32
30
28



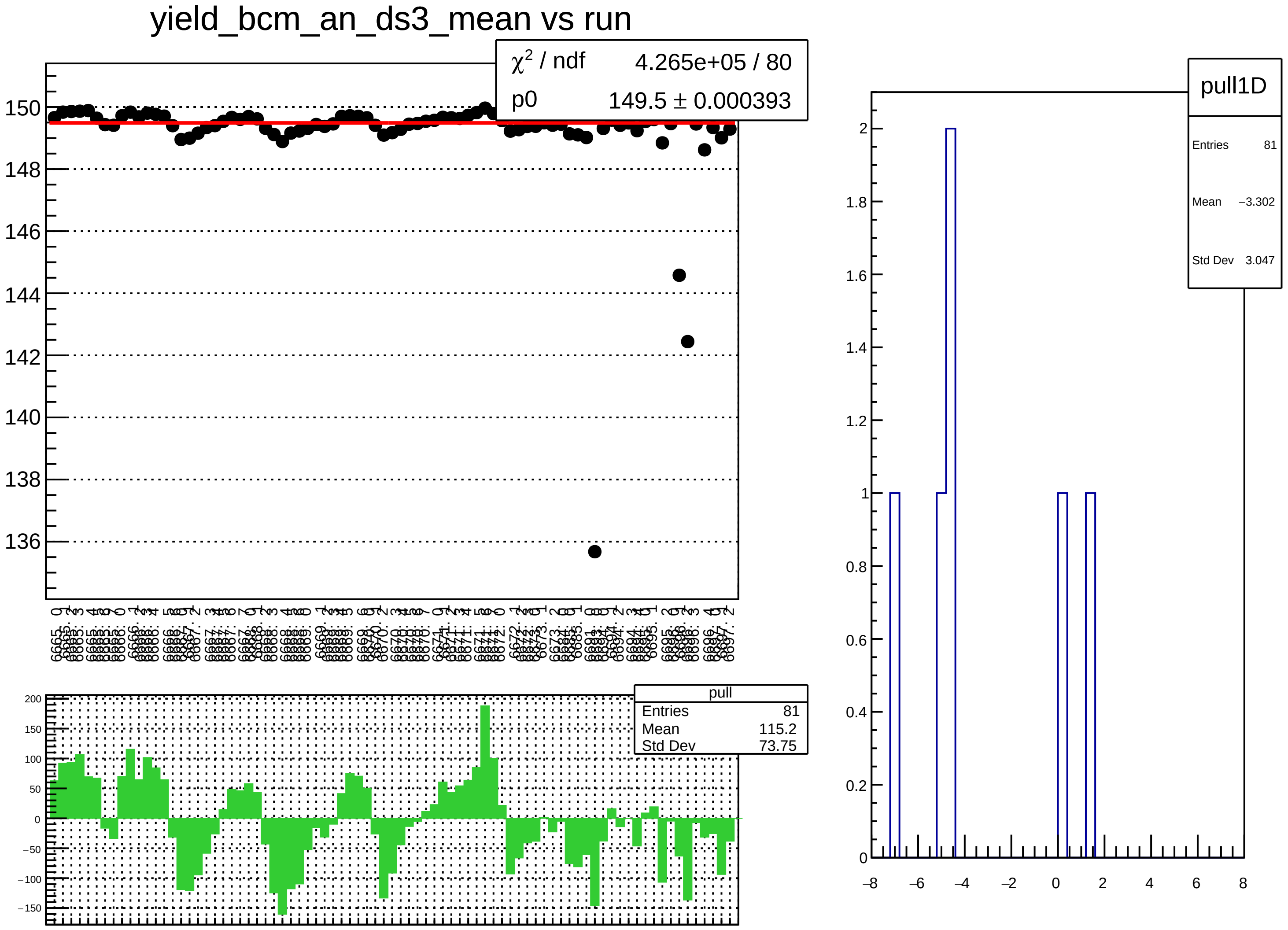
yield_bcm_an_ds_mean vs run
χ^2 / ndf 4.321e+05 / 80
p0 149.1± 0.0003901
pull
Entries 81
Mean 105.2
Std Dev 63.25



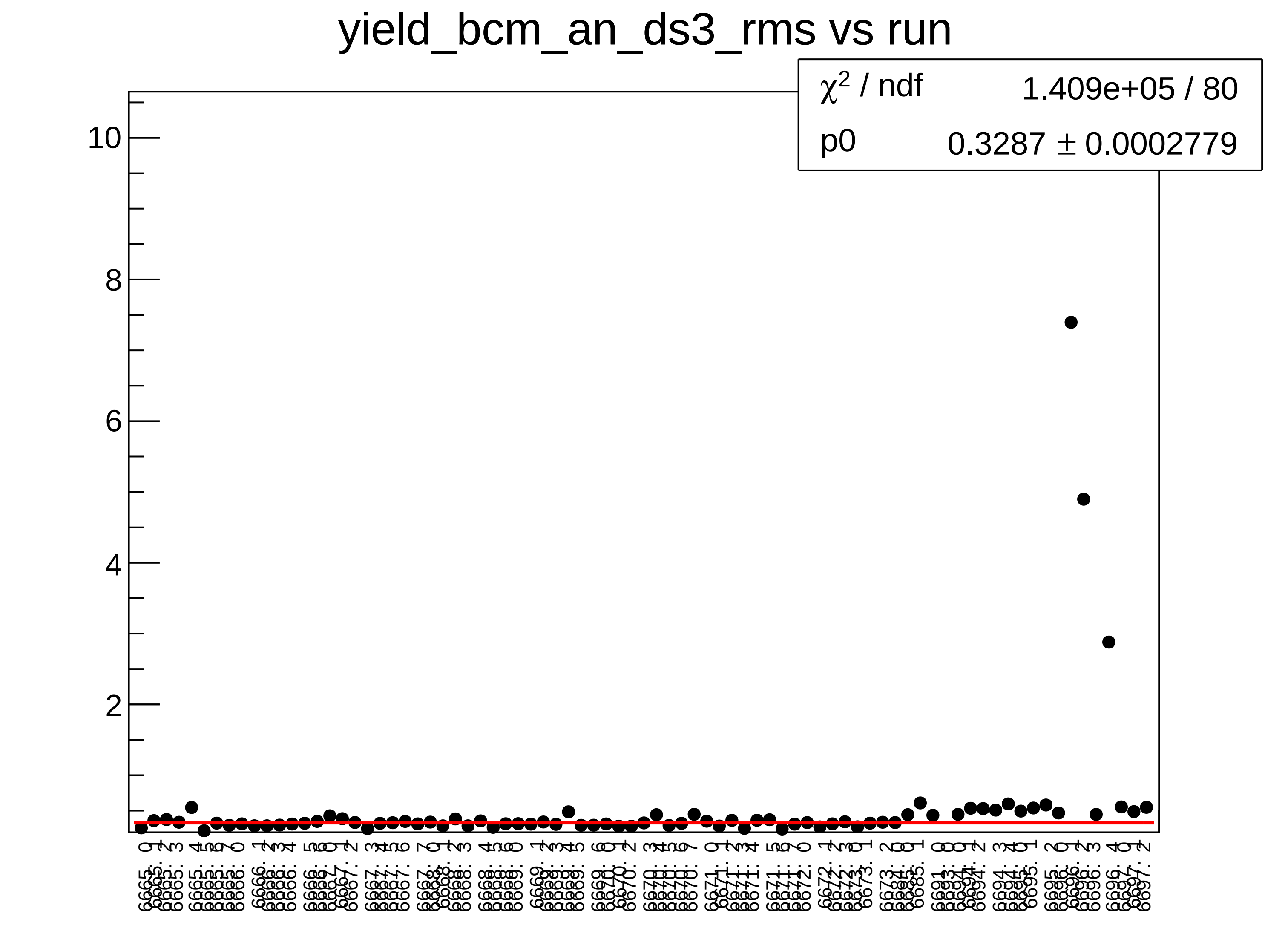
pull1D
Entries 81
Mean −0.152
Std Dev 3.834



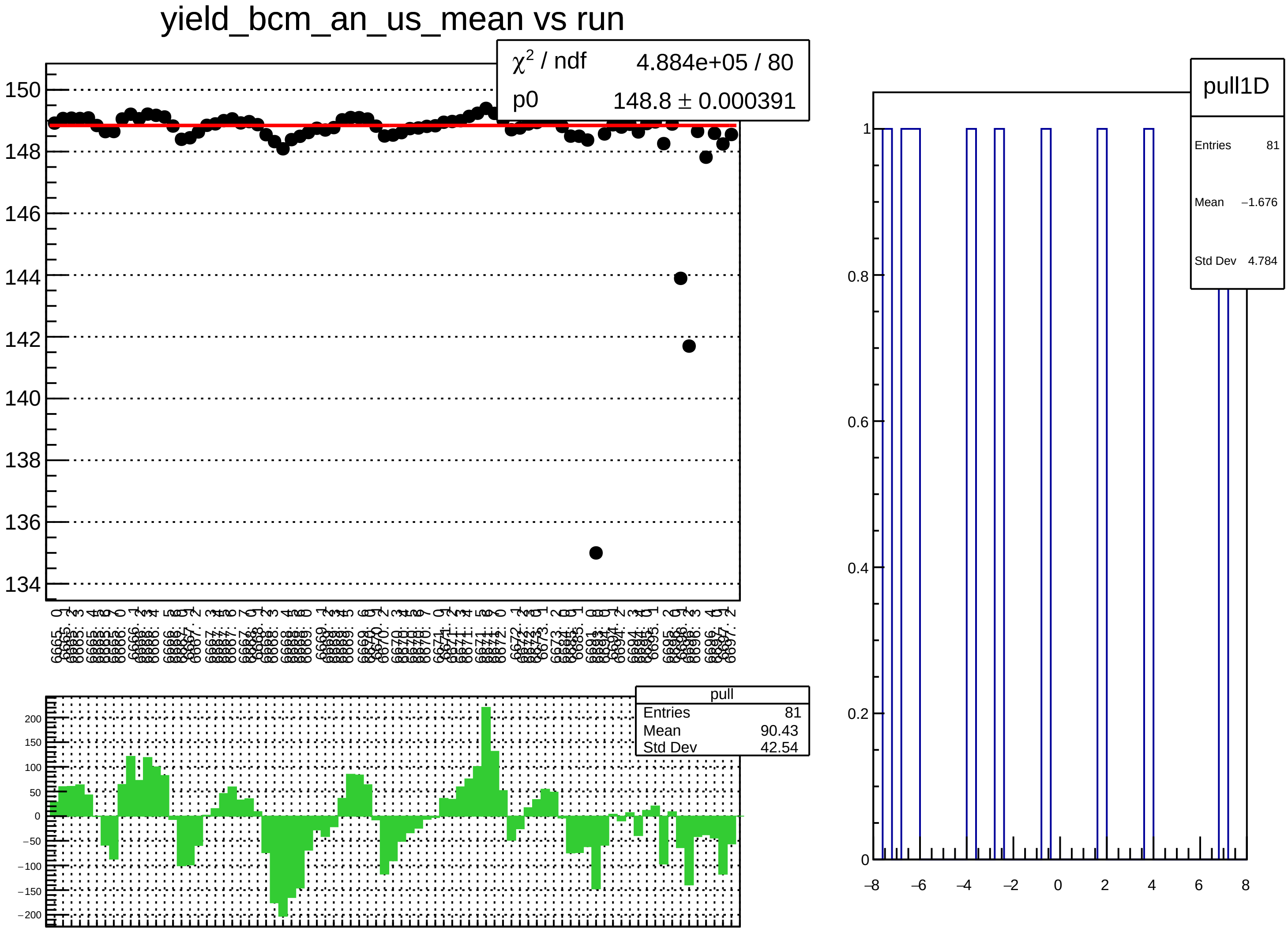
yield_bcm_an_ds_rms vs run
χ^2 / ndf 1.413e+05 / 80
p0 0.3262 ± 0.0002759
10
8
6
4
2



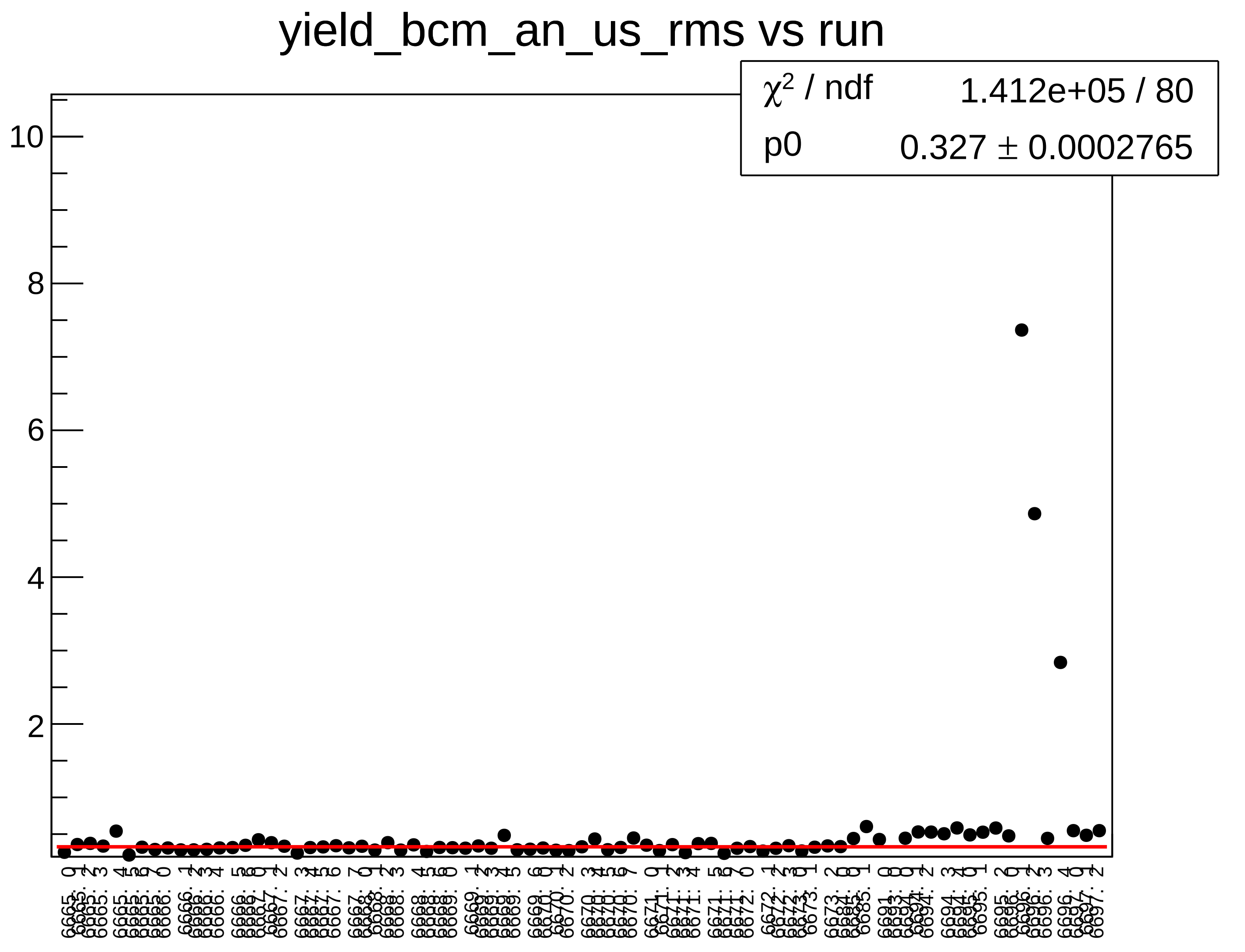
yield_bcm_an_ds3_mean vs run
χ² / ndf 4.265e+05 / 80
p0 149.5 ± 0.000393
pull
Entries 81
Mean 115.2
Std Dev 73.75
pull1D
Entries 81
Mean −3.302
Std Dev 3.047



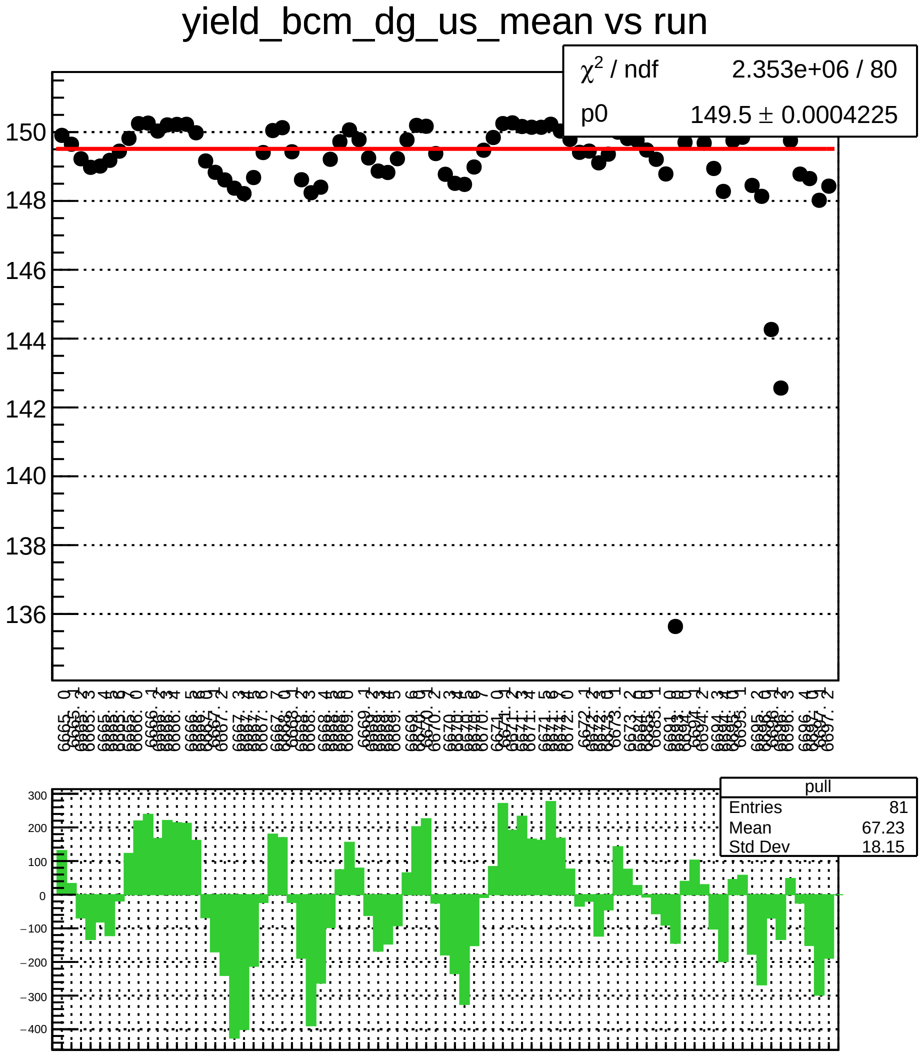
yield_bcm_an_ds3_rms vs run
χ^2 / ndf 1.409e+05 / 80
p0 0.3287 ± 0.0002779



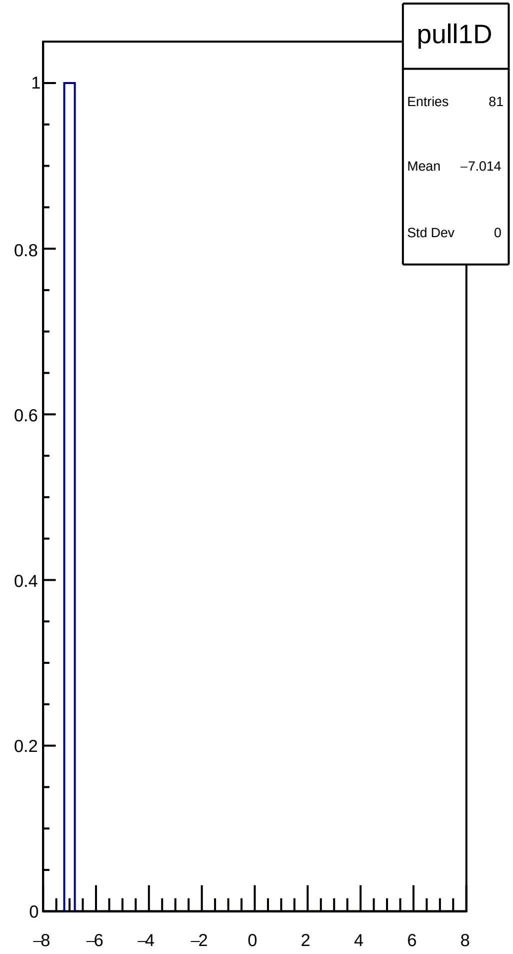
yield_bcm_an_us_mean vs run
χ2 / ndf 4.884e+05 / 80
p0 148.8 ± 0.000391
pull
Entries 81
Mean 90.43
Std Dev 42.54
pull1D
Entries 81
Mean −1.676
Std Dev 4.784



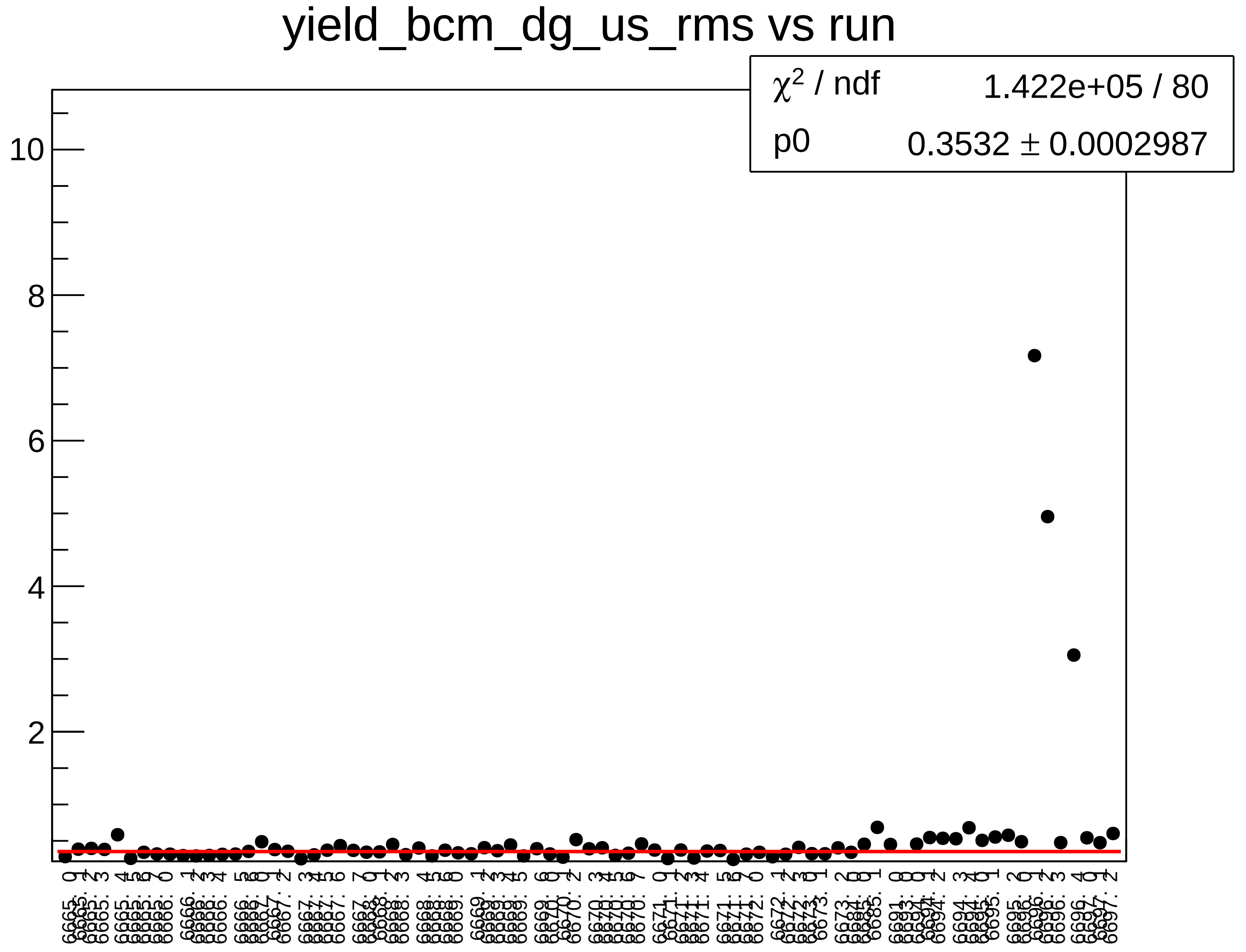
yield_bcm_an_us_rms vs run
χ^2 / ndf 1.412e+05 / 80
p0 0.327 ± 0.0002765
10
8
6
4
2

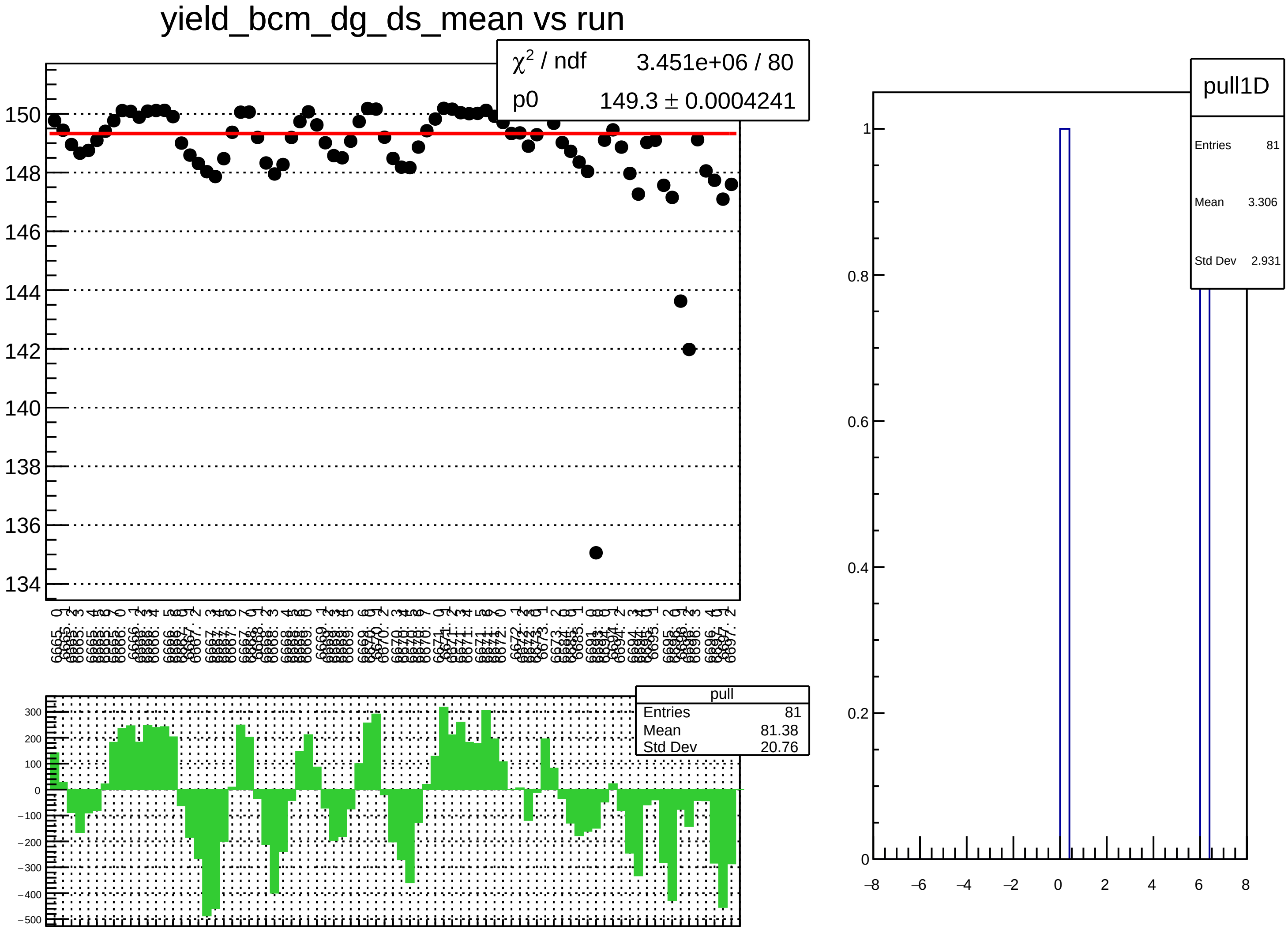


yield_bcm_dg_us_mean vs run
χ^2 / ndf 2.353e+06 / 80
p0 149.5 ± 0.0004225
pull
Entries 81
Mean 67.23
Std Dev 18.15

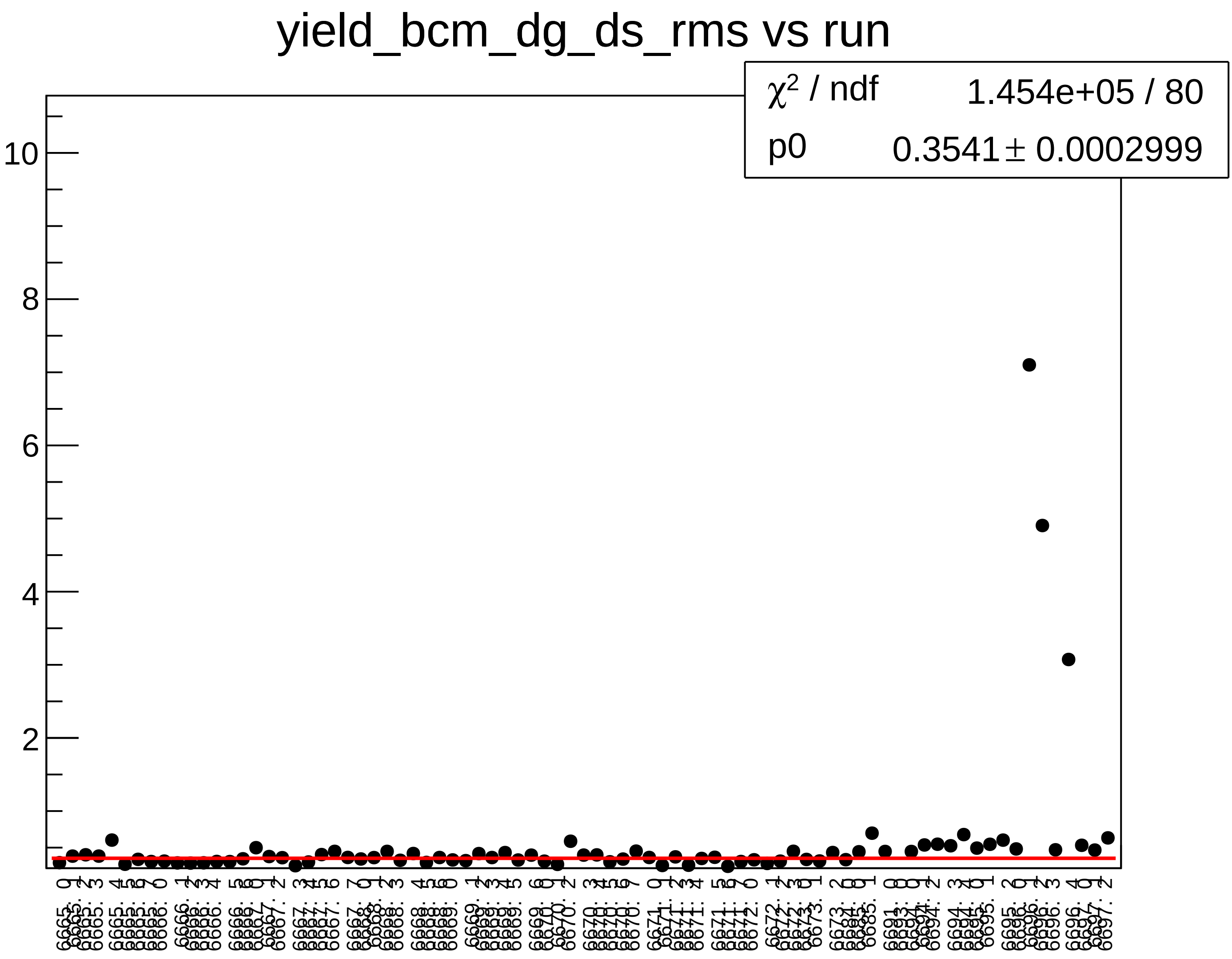


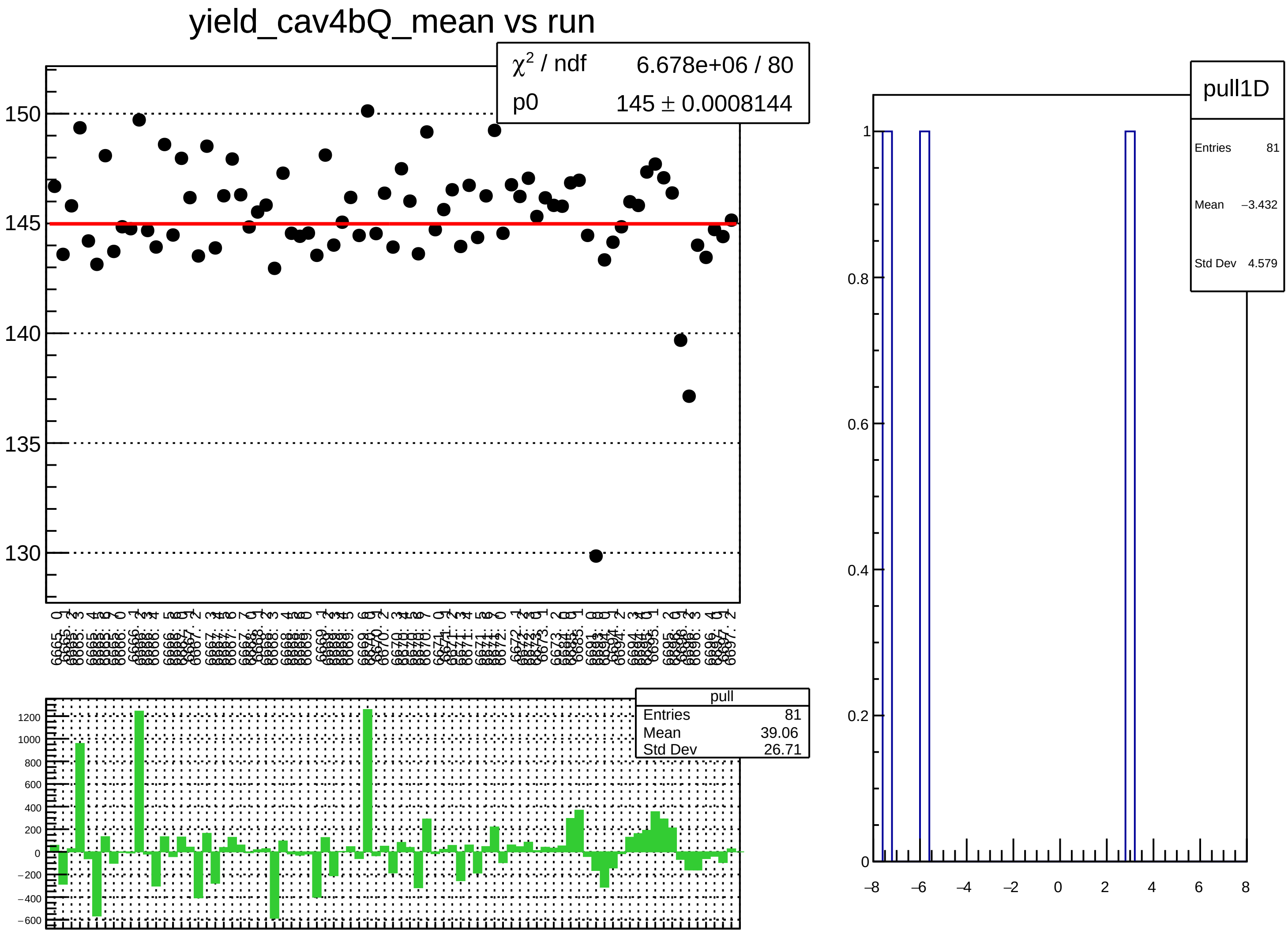
pull1D
Entries 81
Mean −7.014
Std Dev 0


yield_bcm_dg_us_rms vs run
χ^2 / ndf 1.422e+05 / 80
p0 0.3532 ± 0.0002987
10
8
6
4
2

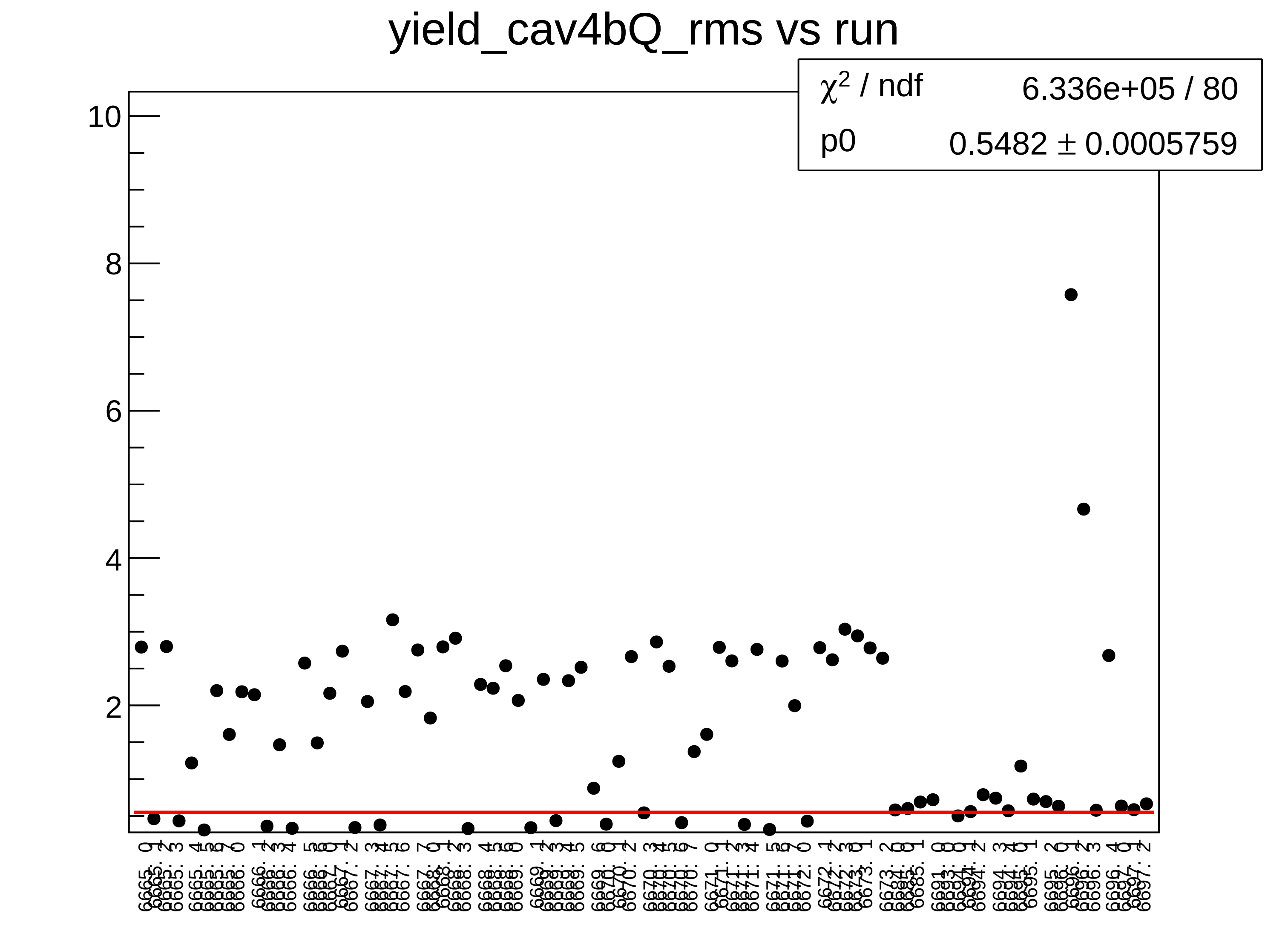


yield_bcm_dg_ds_mean vs run
χ² / ndf 3.451e+06 / 80
p0 149.3 ± 0.0004241
pull
Entries 81
Mean 81.38
Std Dev 20.76
pull1D
Entries 81
Mean 3.306
Std Dev 2.931

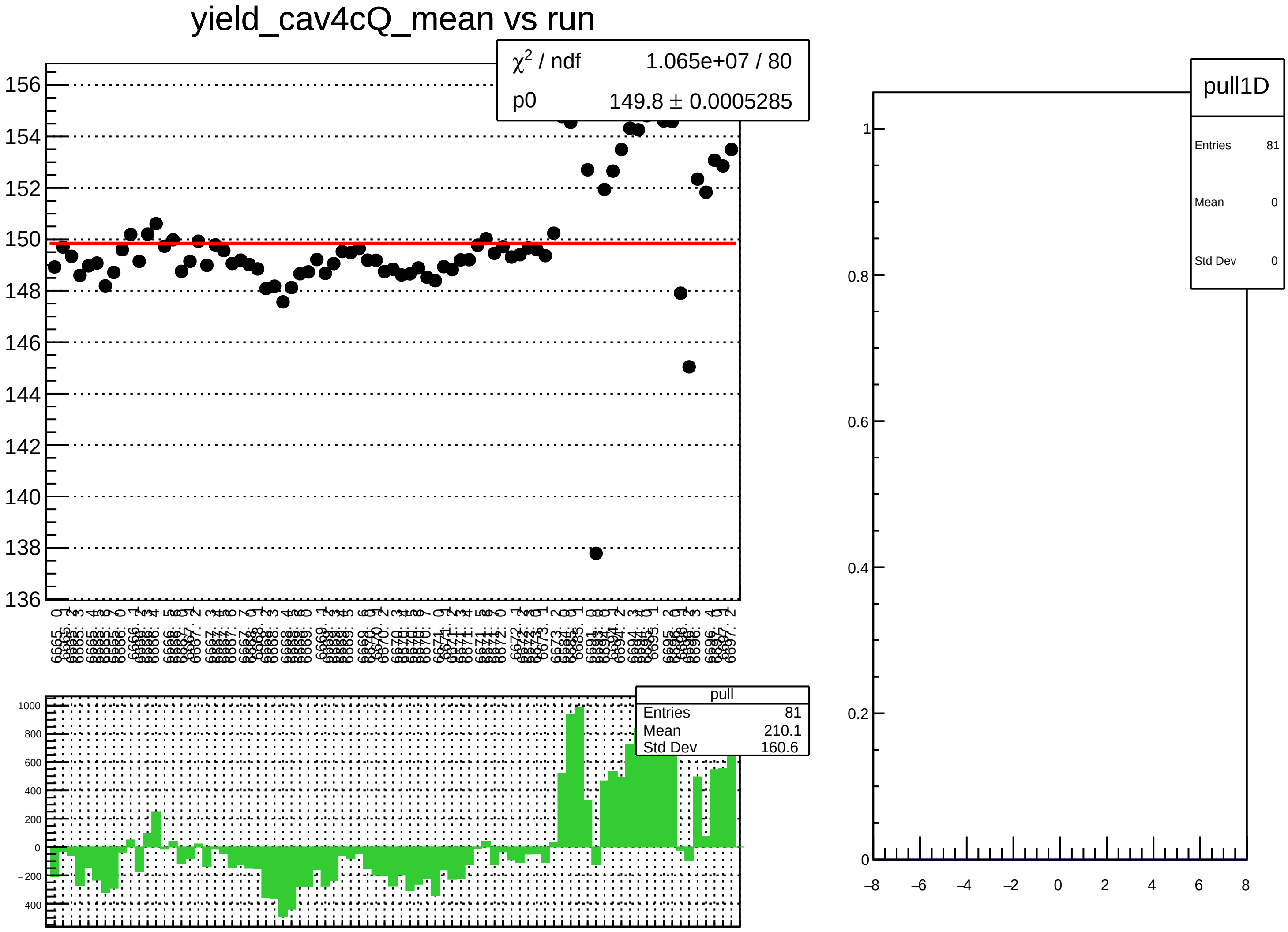

yield_bcm_dg_ds_rms vs run
χ2 / ndf 1.454e+05 / 80
p0 0.3541 ± 0.0002999

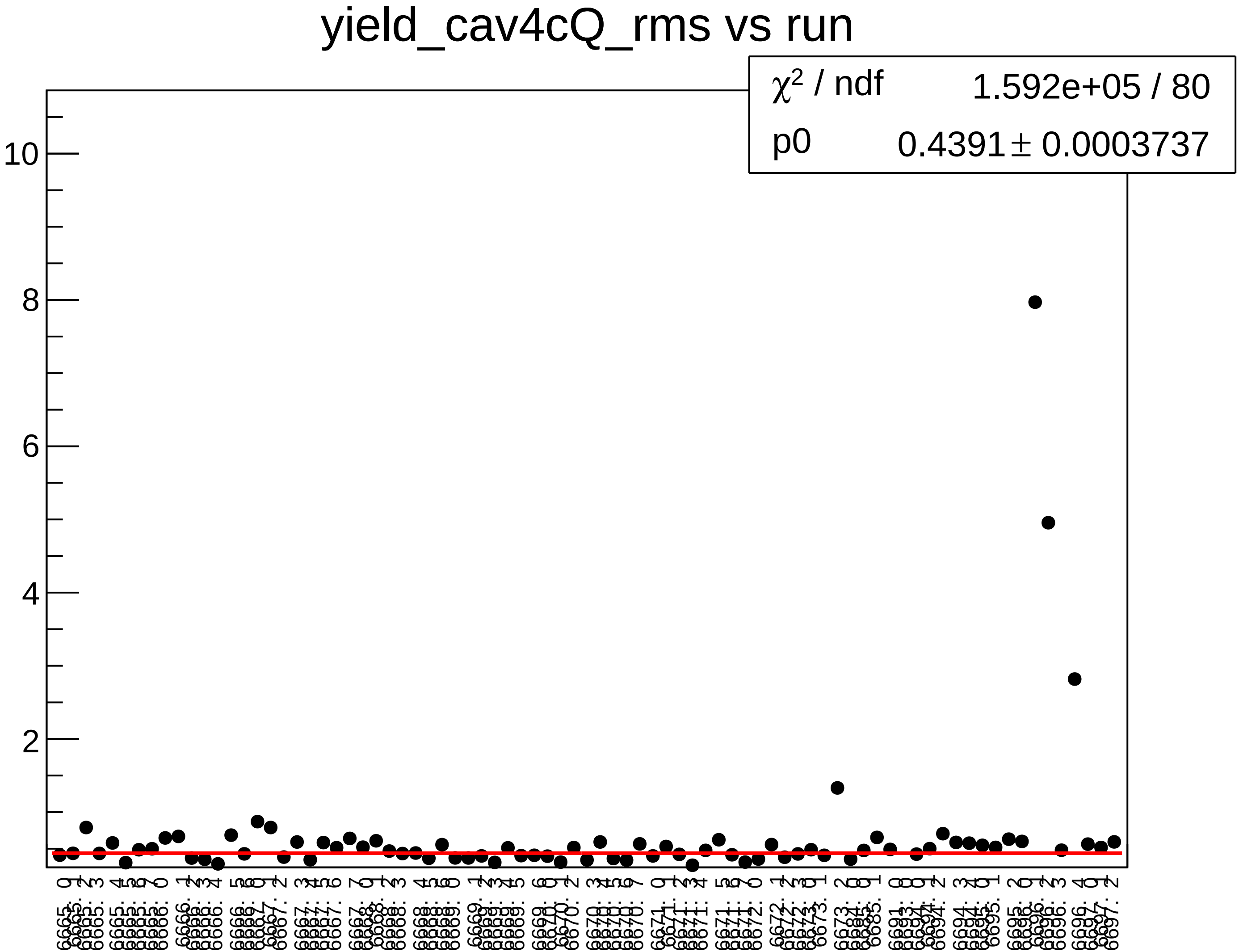


yield_cav4bQ_mean vs run
χ^2 / ndf 6.678e+06 / 80
p0 145 ± 0.0008144
pull
Entries 81
Mean 39.06
Std Dev 26.71
pull1D
Entries 81
Mean −3.432
Std Dev 4.579

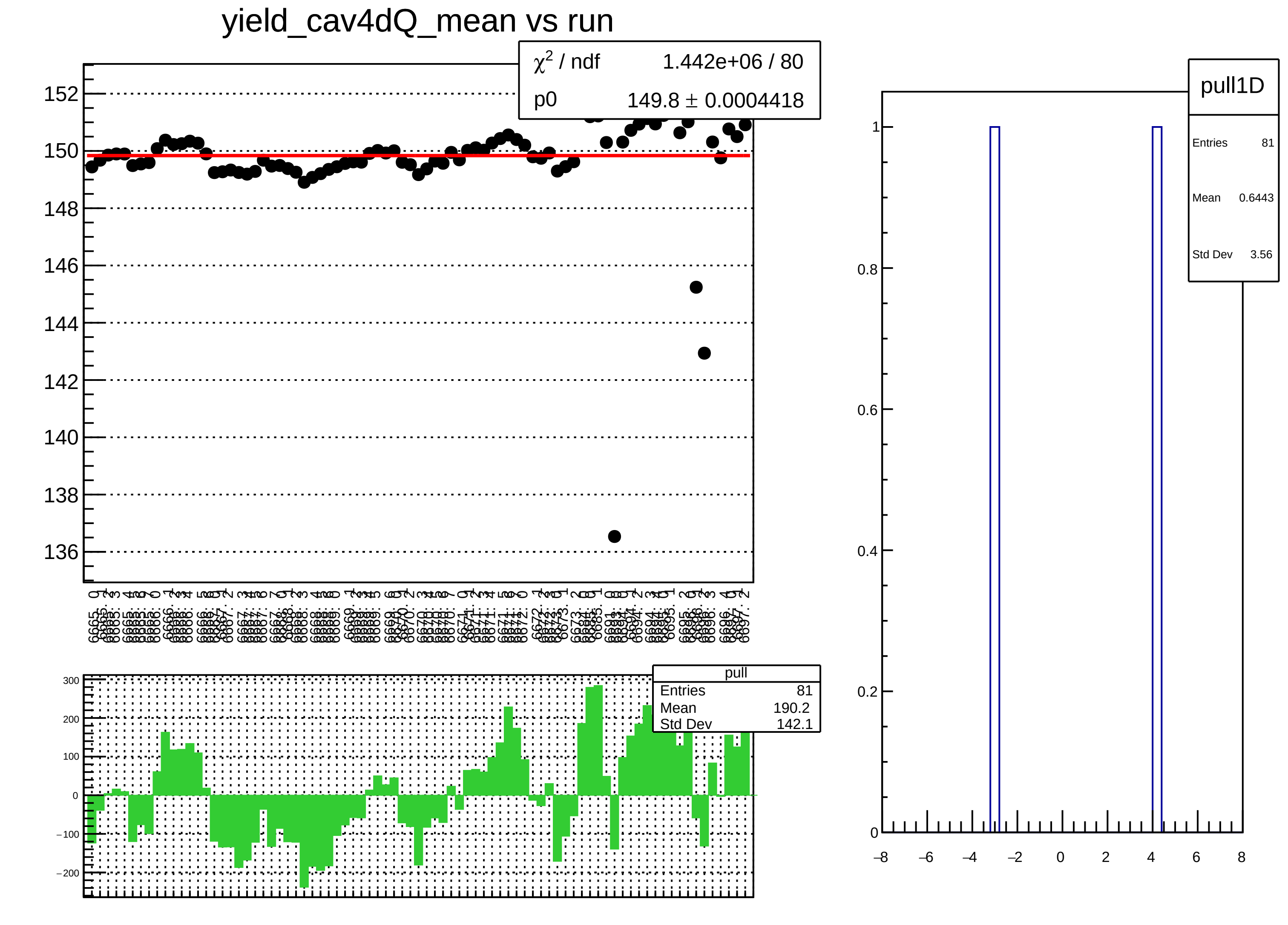


yield_cav4bQ_rms vs run
χ^2 / ndf 6.336e+05 / 80
p0 0.5482 ± 0.0005759
10
8
6
4
2

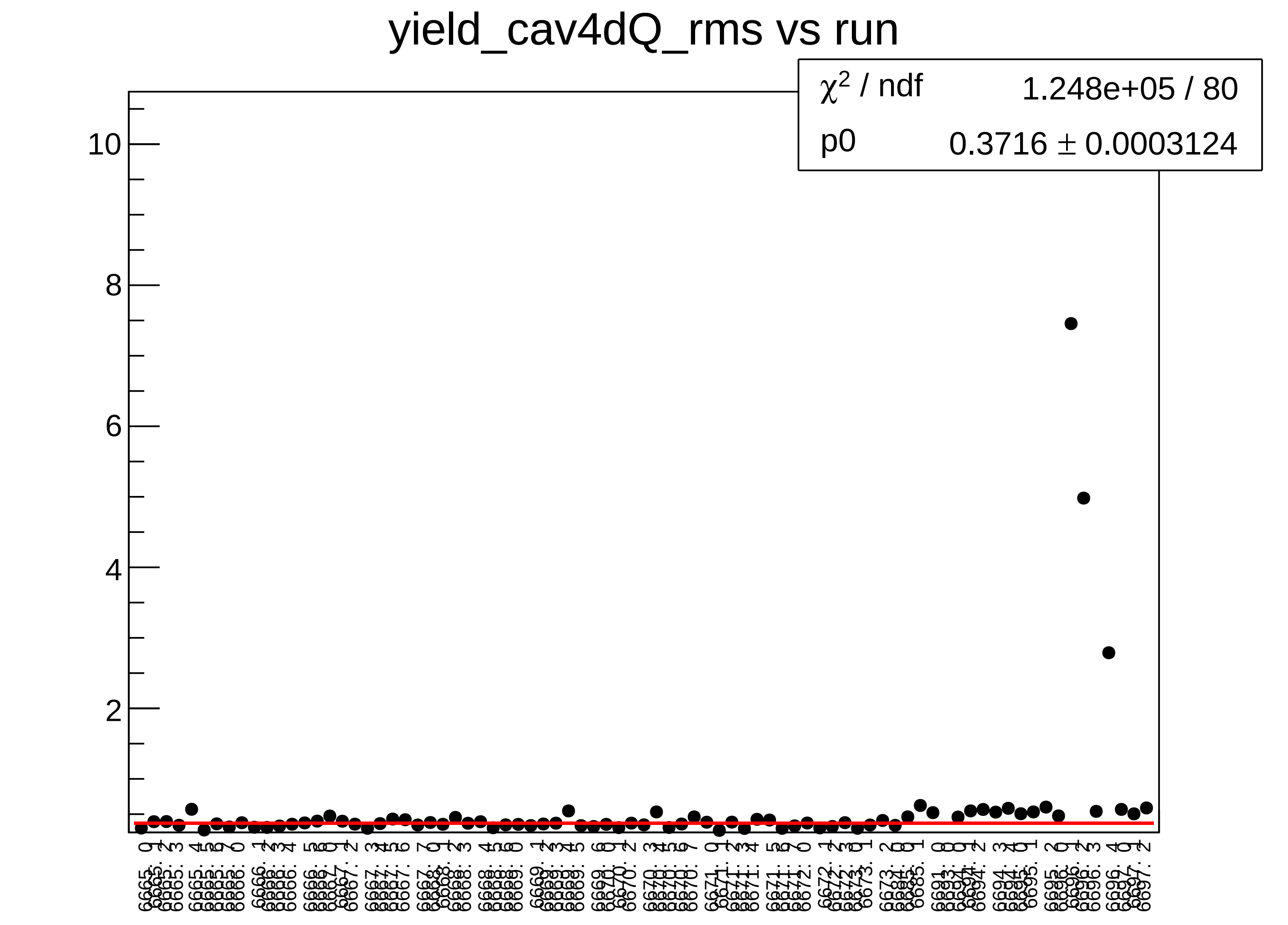

yield_cav4cQ_mean vs run
χ2 / ndf 1.065e+07 / 80
p0 149.8 ± 0.0005285
pull
Entries 81
Mean 210.1
Std Dev 160.6
pull1D
Entries 81
Mean 0
Std Dev 0

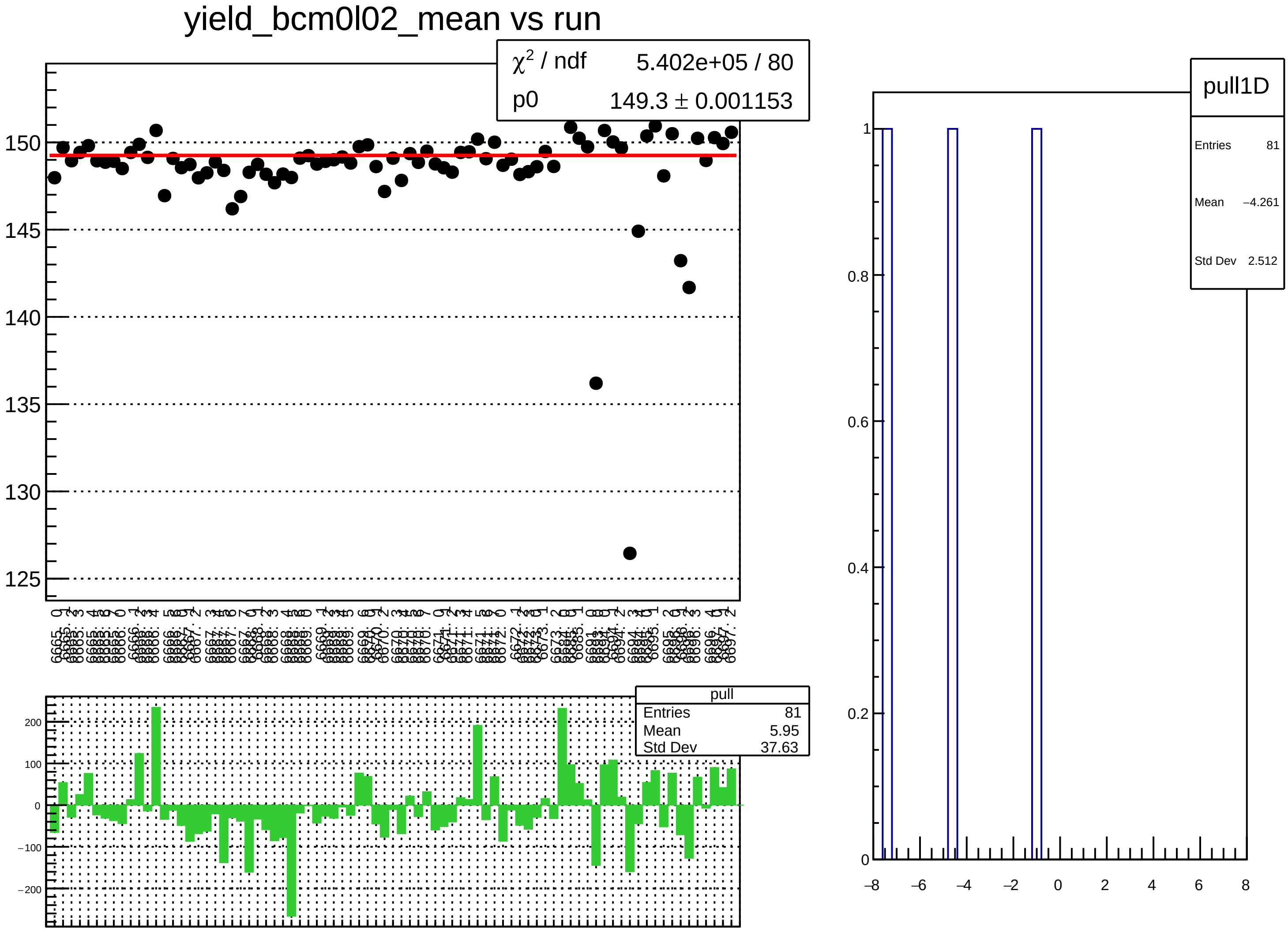


yield_cav4cQ_rms vs run
χ2 / ndf 1.592e+05 / 80
p0 0.4391 ± 0.0003737
10
8
6
4
2

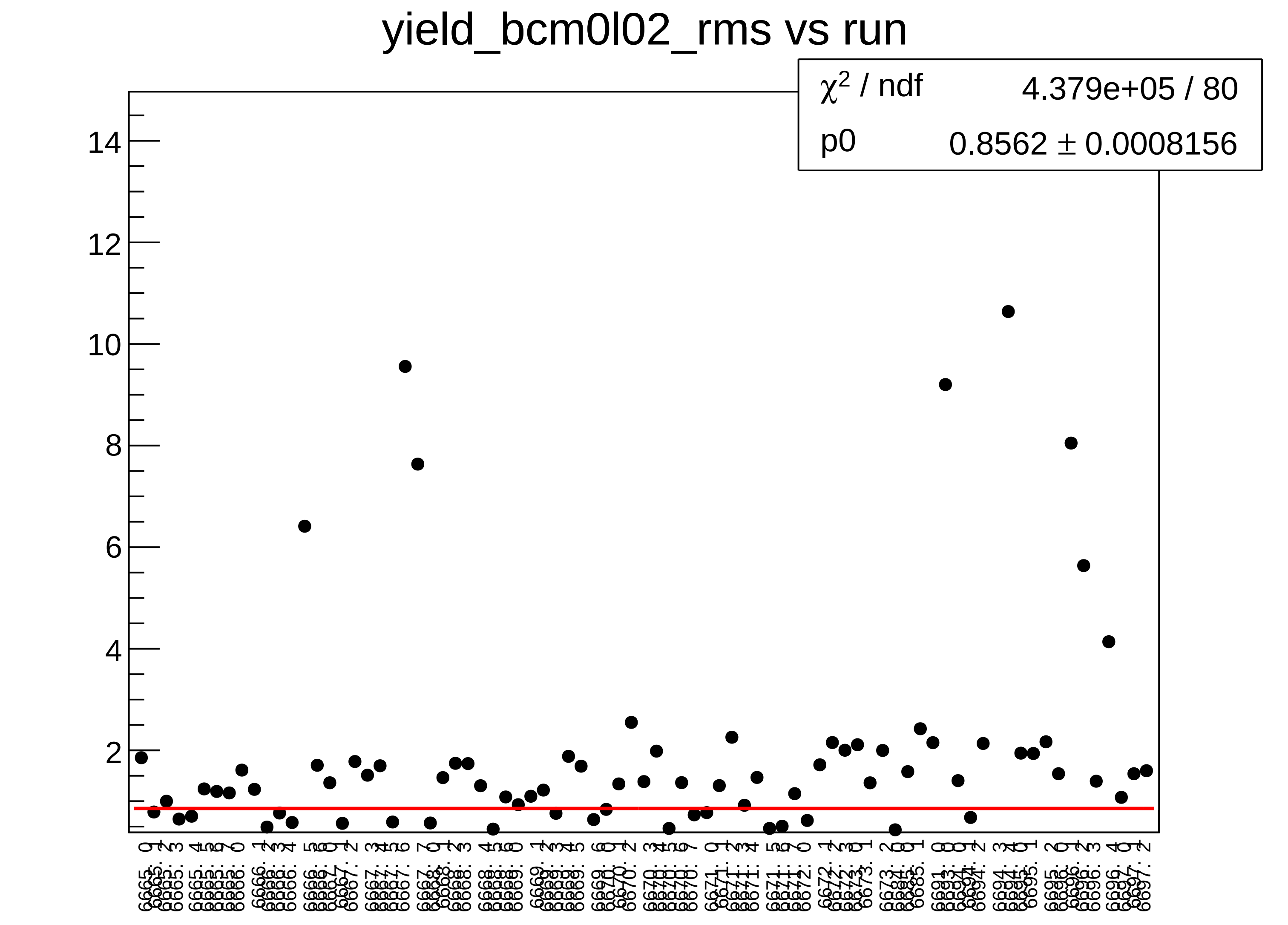


yield_cav4dQ_mean vs run
χ2 / ndf 1.442e+06 / 80
p0 149.8 ± 0.0004418
pull
Entries 81
Mean 190.2
Std Dev 142.1
pull1D
Entries 81
Mean 0.6443
Std Dev 3.56

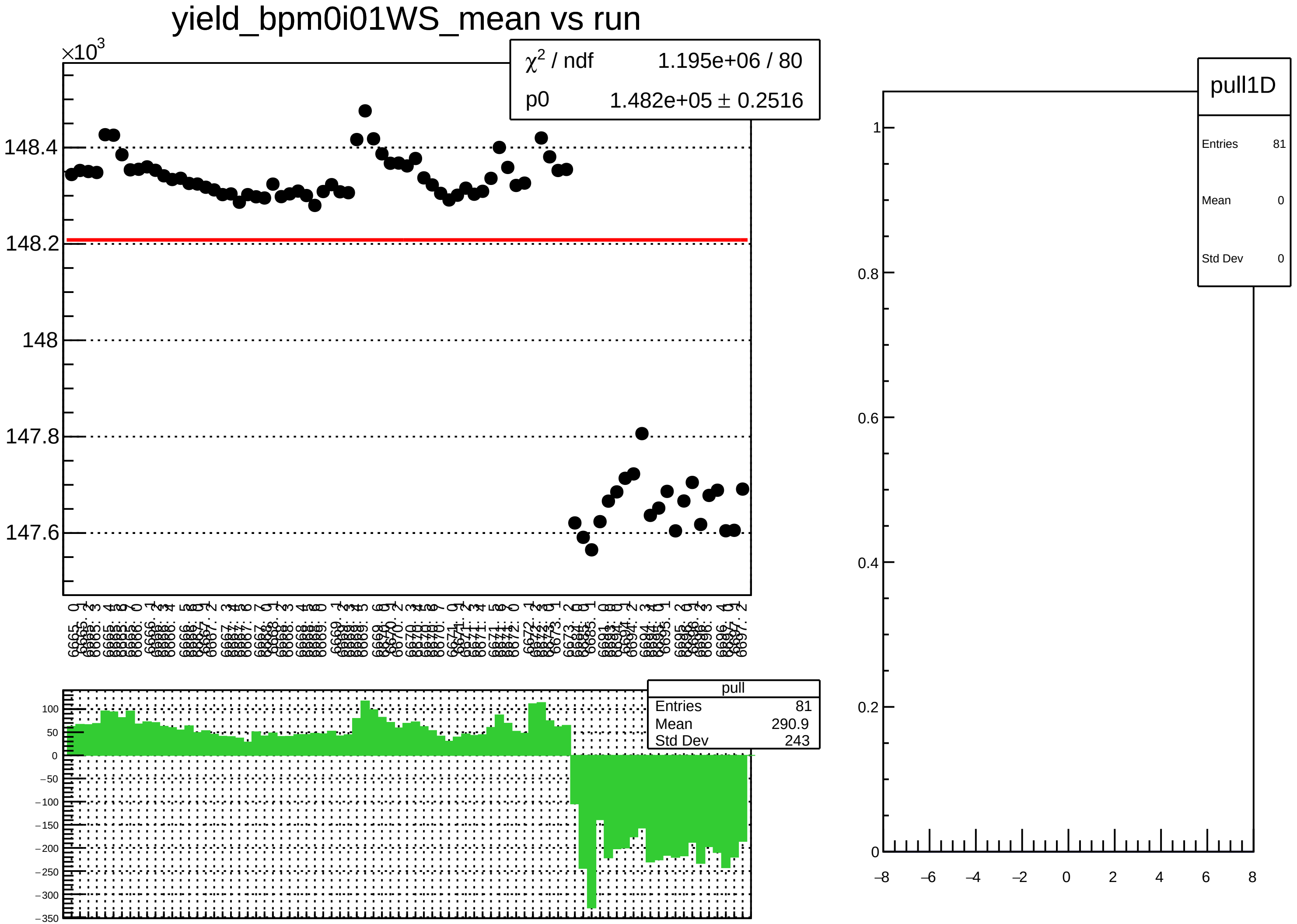

yield_cav4dQ_rms vs run
χ^2 / ndf 1.248e+05 / 80
p0 0.3716 ± 0.0003124
10
8
6
4
2



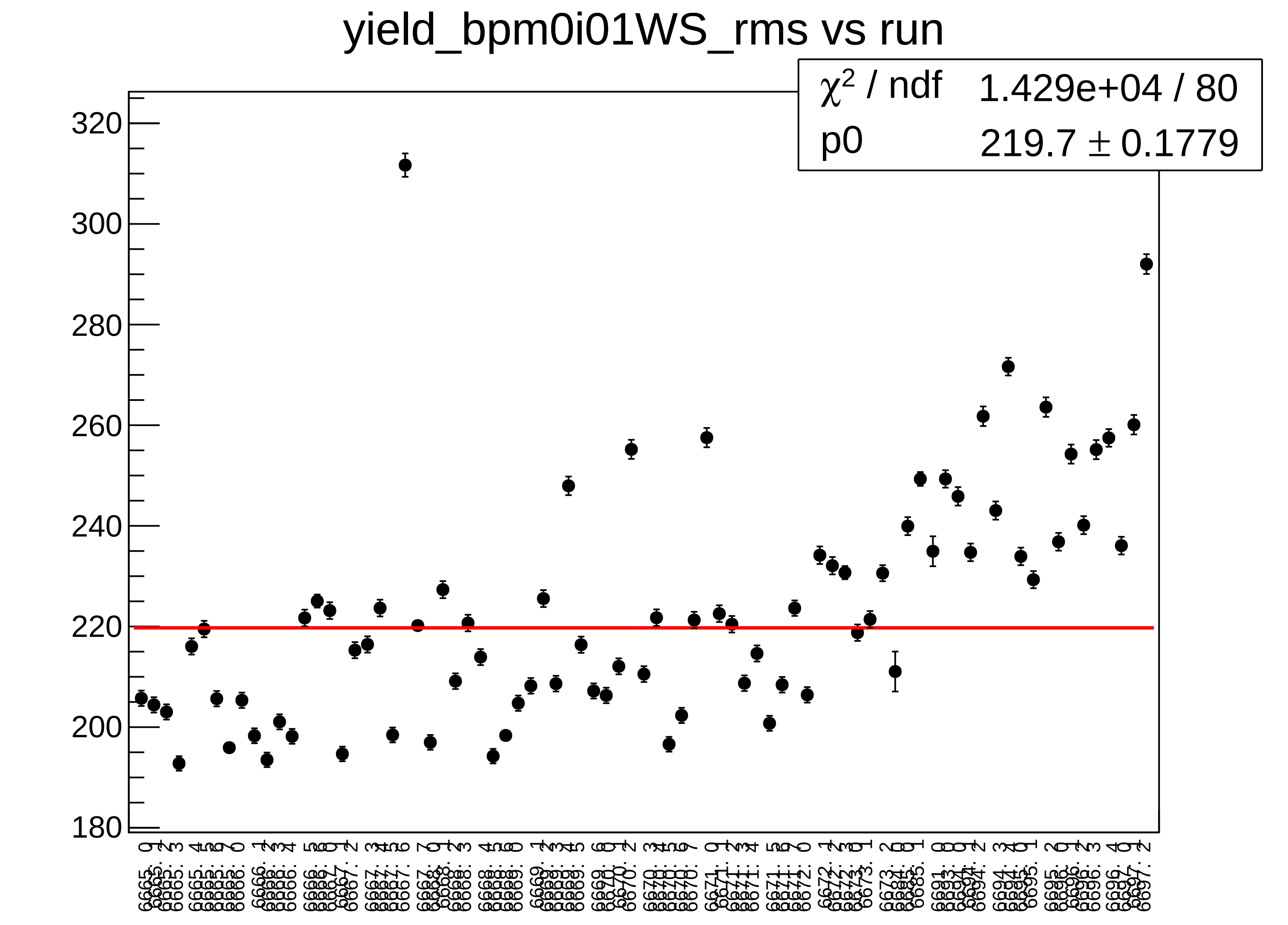
yield_bcm0l02_mean vs run
χ^2 / ndf 5.402e+05 / 80
p0 149.3 ± 0.001153
150
145
140
135
130
125
pull
Entries 81
Mean 5.95
Std Dev 37.63
200
100
0
−100
−200
pull1D
Entries 81
Mean −4.261
Std Dev 2.512
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



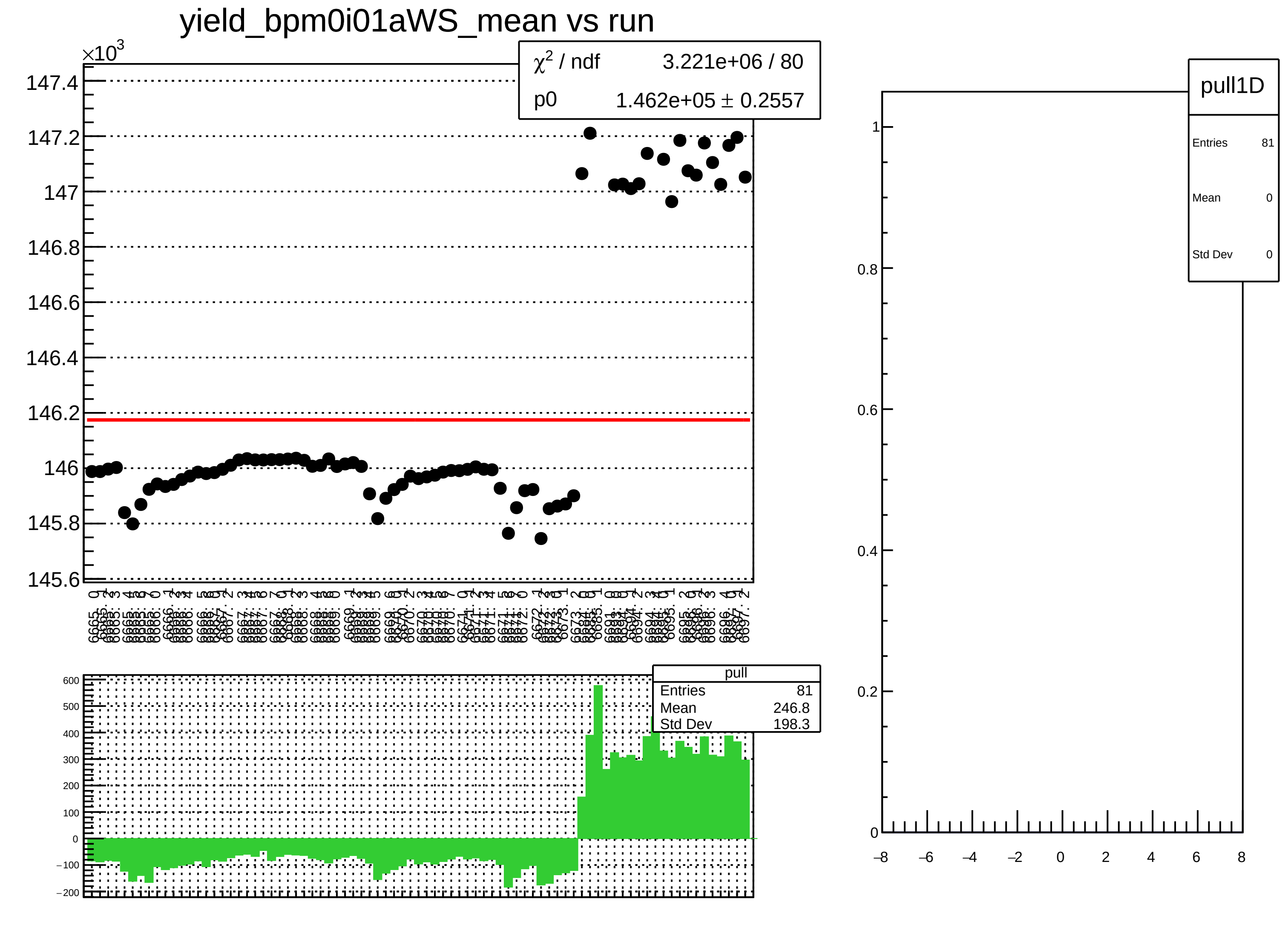
yield_bcm0l02_rms vs run
χ^2 / ndf 4.379e+05 / 80
p0 0.8562 ± 0.0008156
14
12
10
8
6
4
2



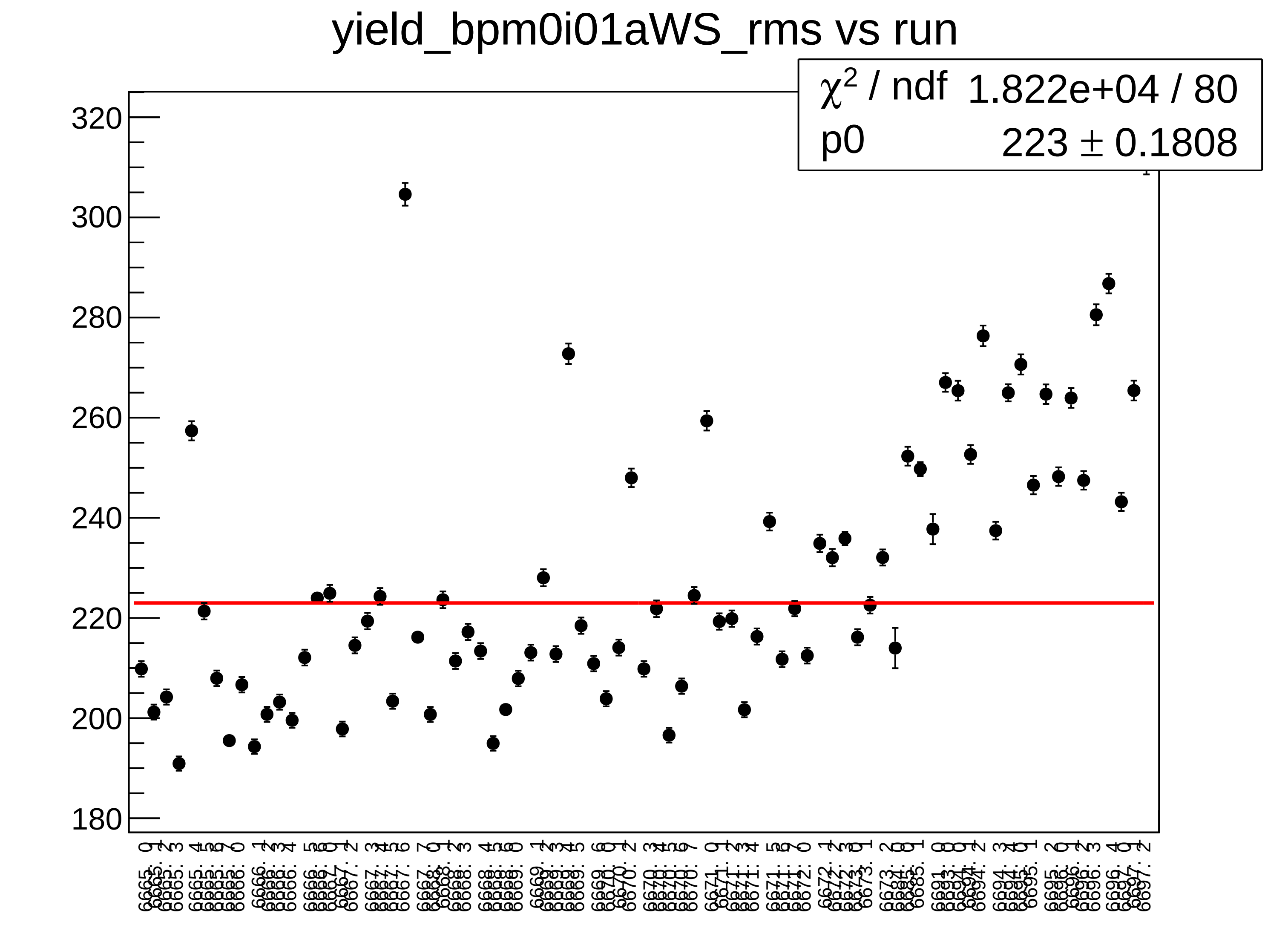
yield_bpm0i01WS_mean vs run
×10^3
χ2 / ndf 1.195e+06 / 80
p0 1.482e+05 ± 0.2516
148.4
148.2
148
147.8
147.6
pull
Entries 81
Mean 290.9
Std Dev 243
pull1D
Entries 81
Mean 0
Std Dev 0



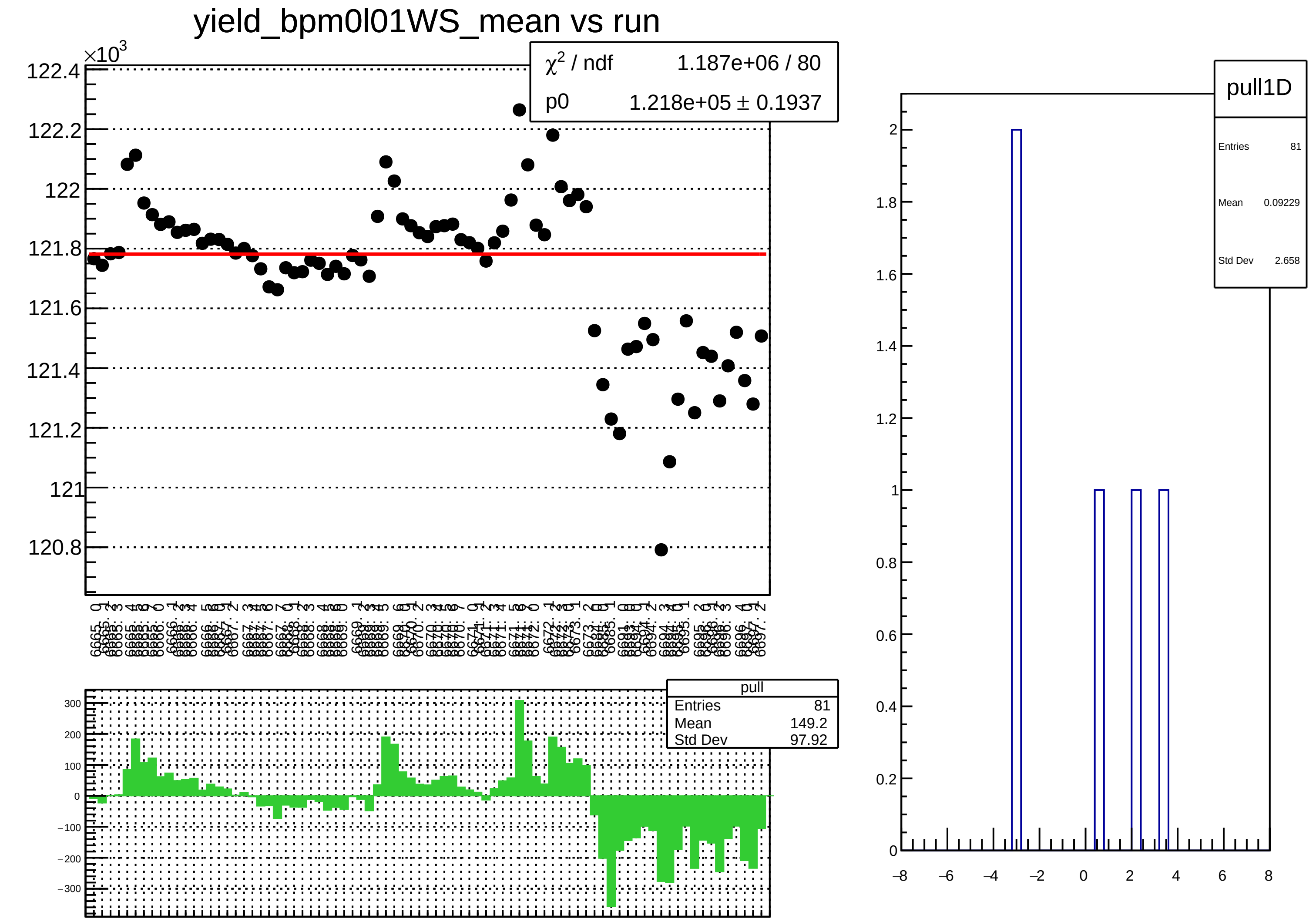
yield_bpm0i01WS_rms vs run
χ^2 / ndf 1.429e+04 / 80
p0 219.7 ± 0.1779
320
300
280
260
240
220
200
180



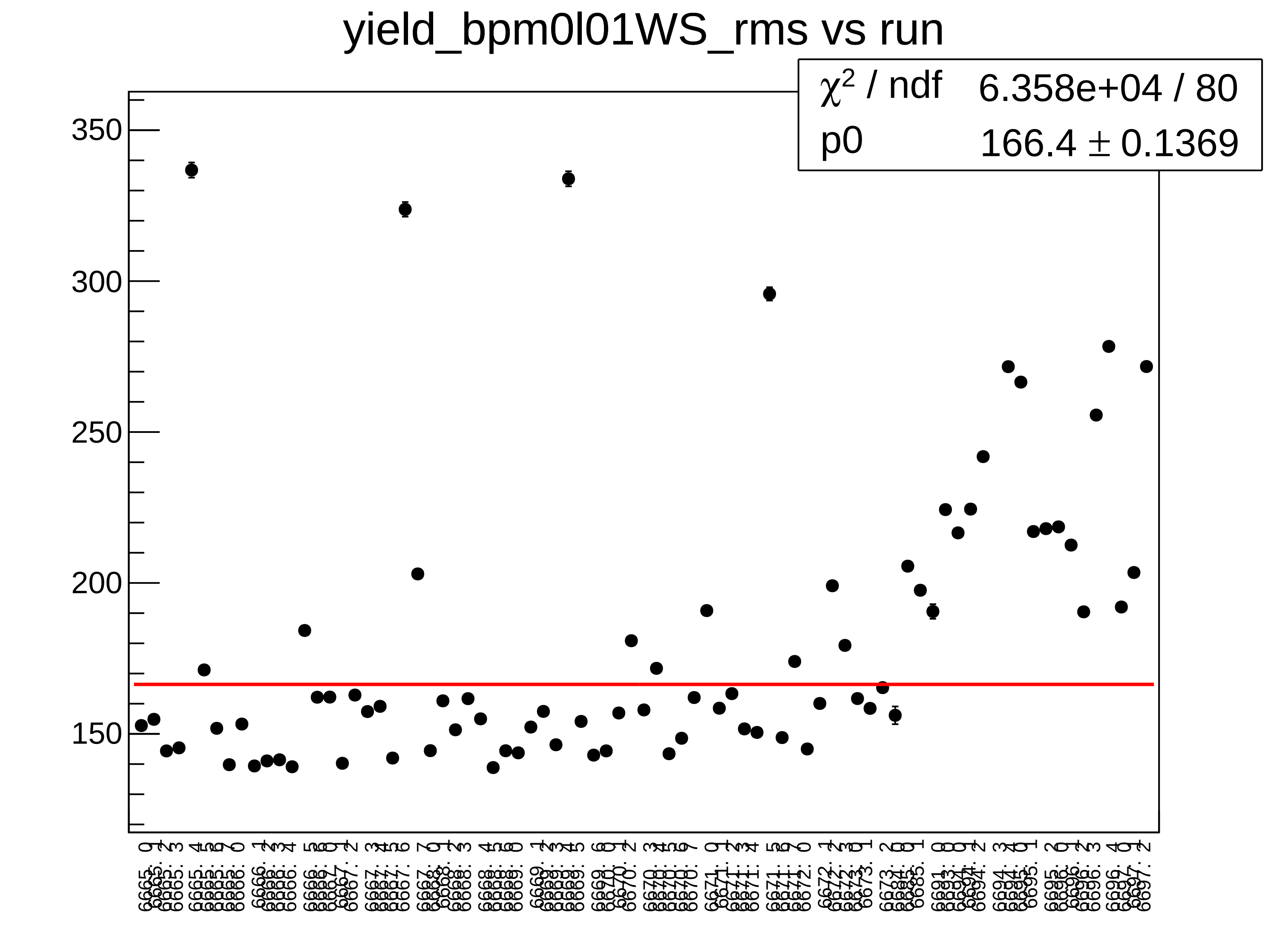
yield_bpm0i01aWS_mean vs run
$\times10^3$
χ^2 / ndf 3.221e+06 / 80
p0 1.462e+05 ± 0.2557
pull
Entries 81
Mean 246.8
Std Dev 198.3
pull1D
Entries 81
Mean 0
Std Dev 0



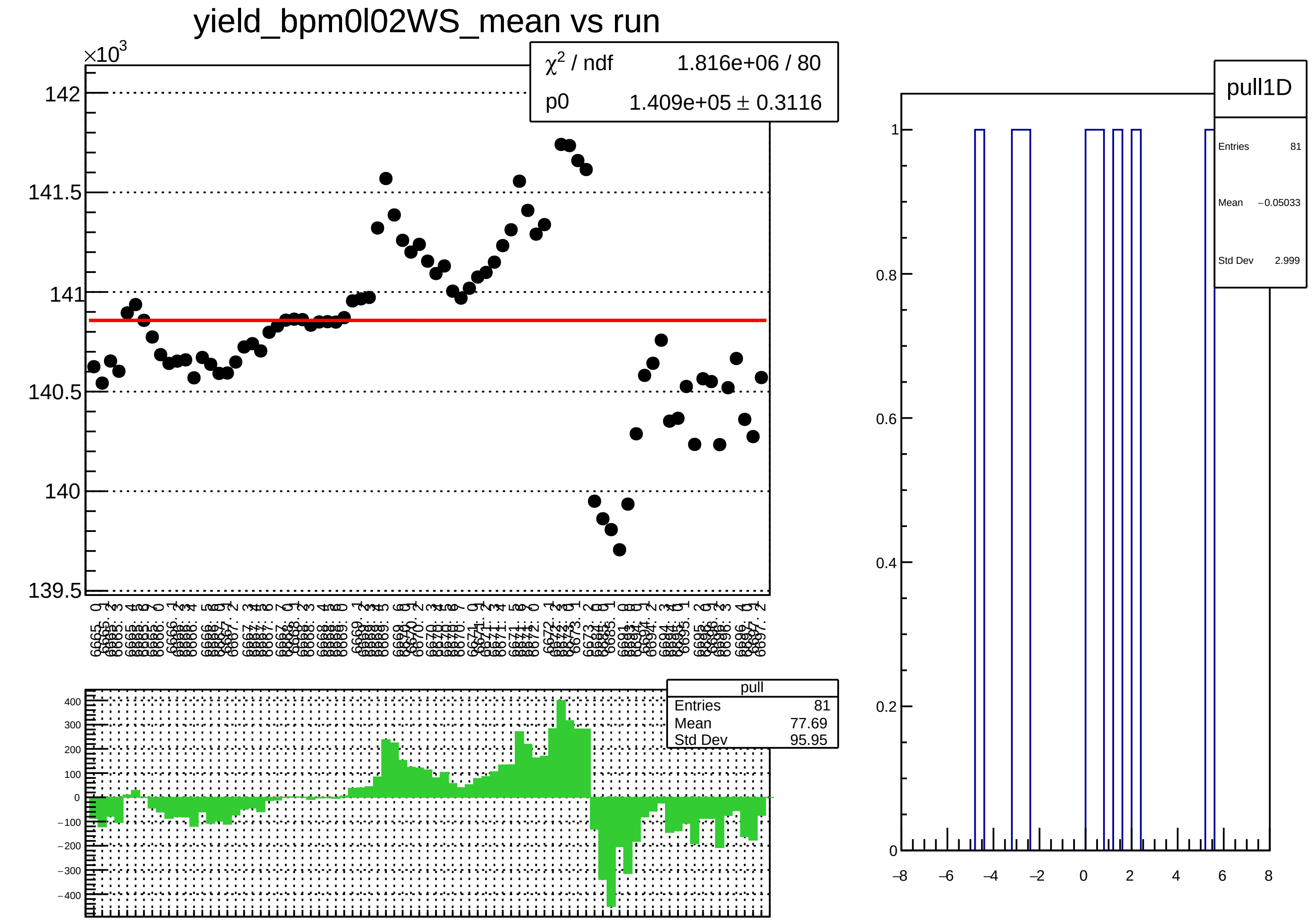
yield_bpm0i01aWS_rms vs run
χ2 / ndf 1.822e+04 / 80
p0 223 ± 0.1808
320
300
280
260
240
220
200
180

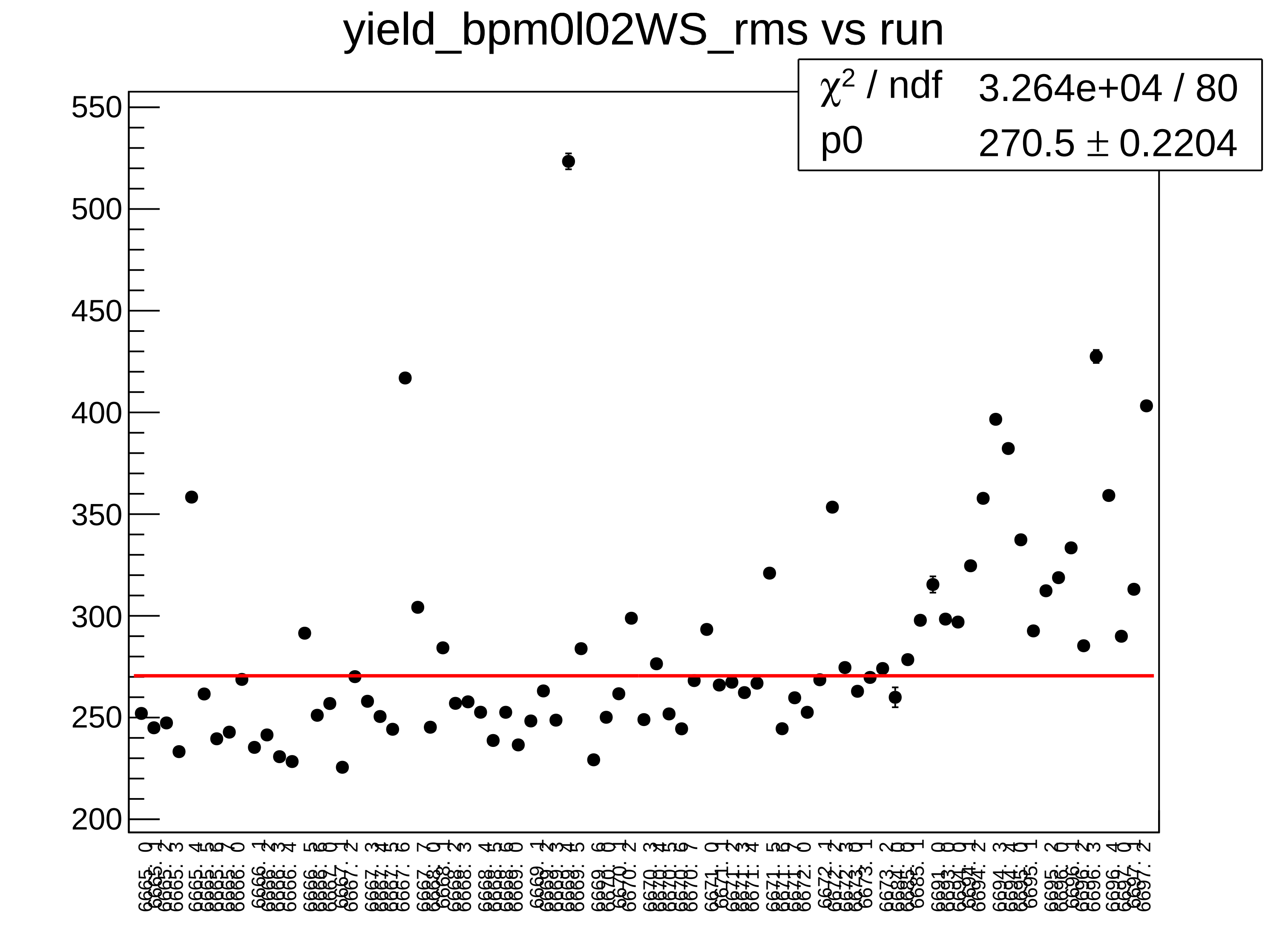


yield_bpm0l01WS_mean vs run
$\times 10^3$
χ^2 / ndf 1.187e+06 / 80
p0 1.218e+05 ± 0.1937
pull
Entries 81
Mean 149.2
Std Dev 97.92
pull1D
Entries 81
Mean 0.09229
Std Dev 2.658

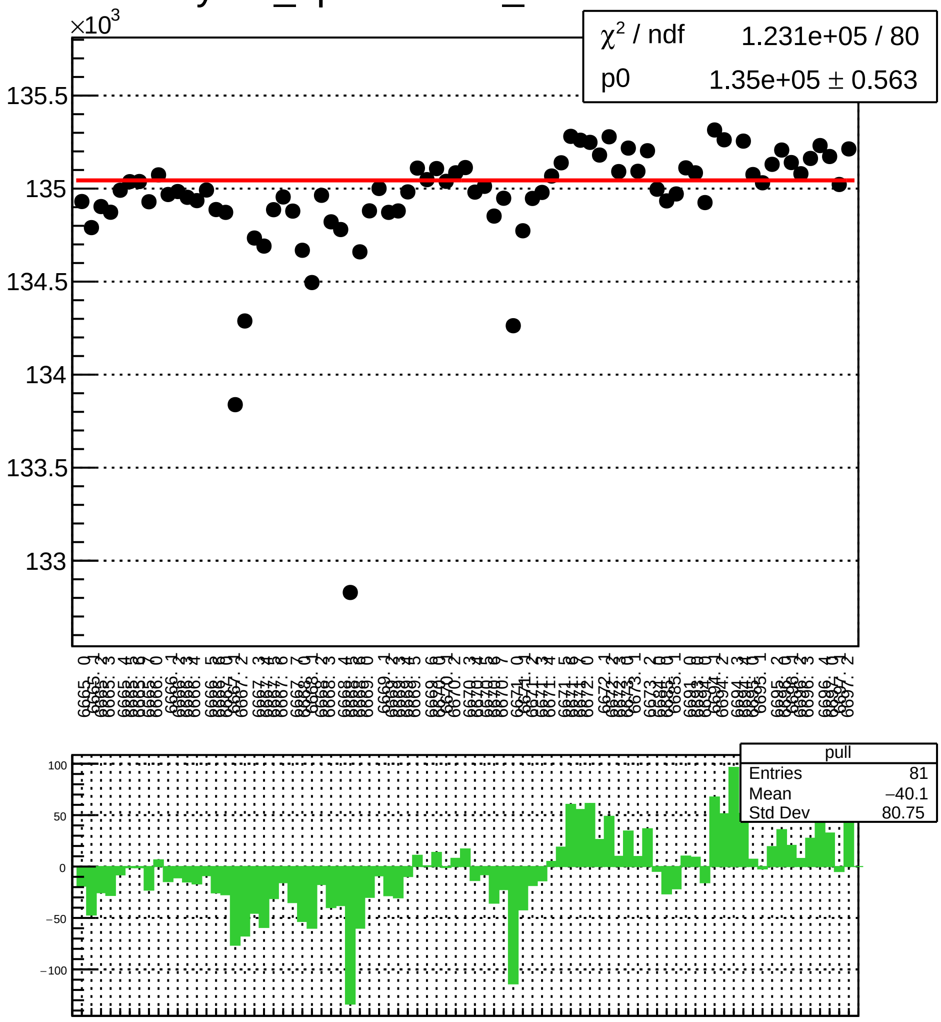


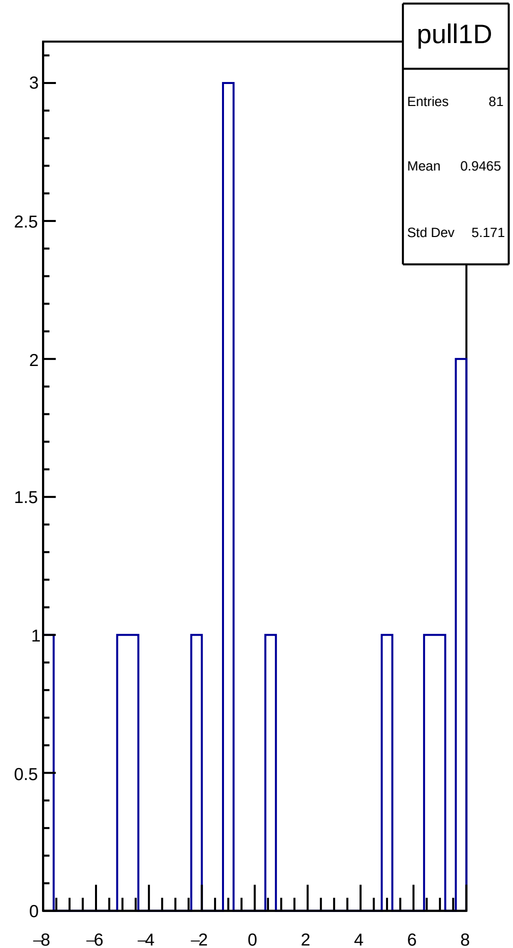
yield_bpm0l01WS_rms vs run
χ^2 / ndf 6.358e+04 / 80
p0 166.4 ± 0.1369
350
300
250
200
150

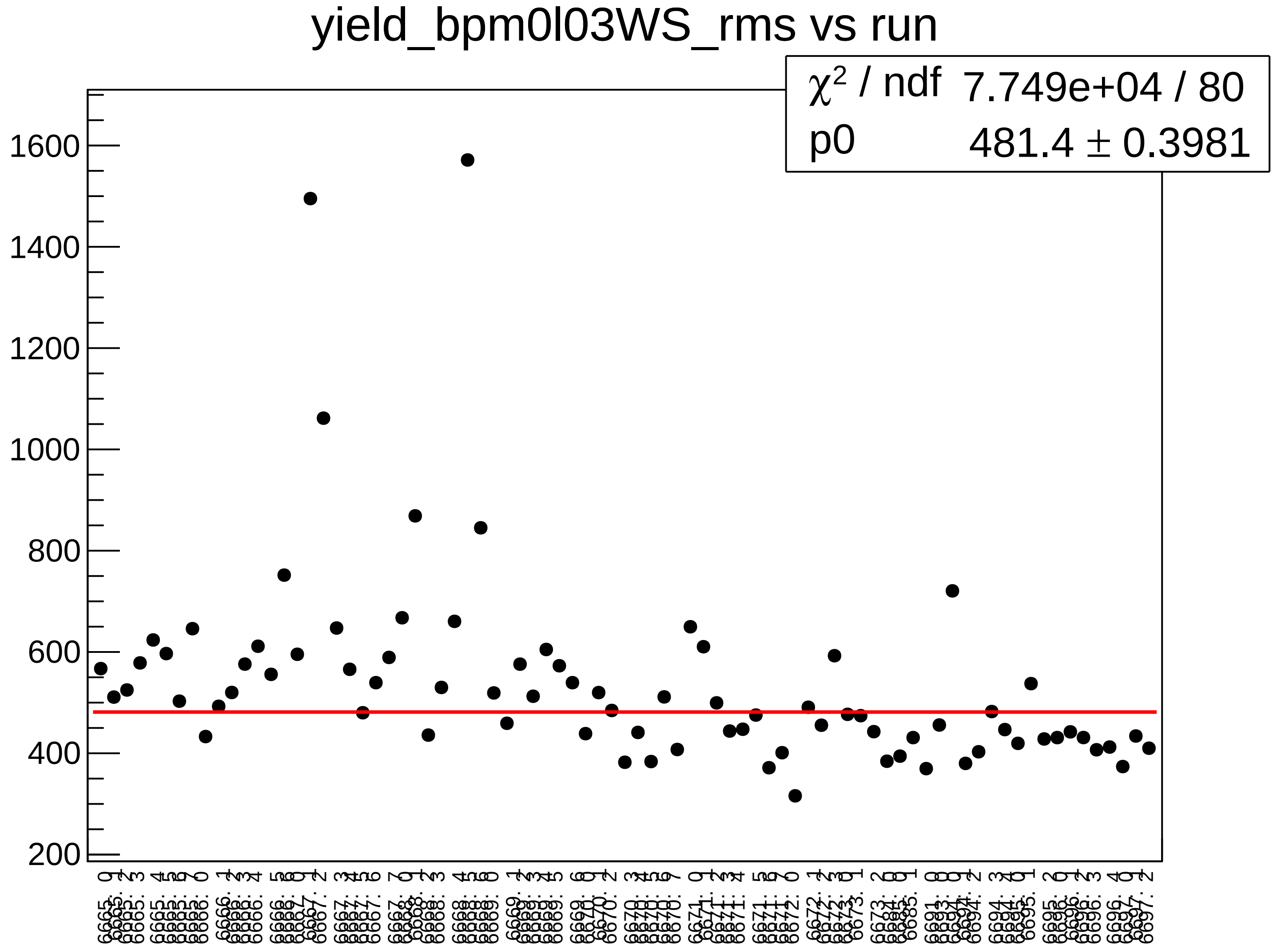

yield_bpm0l02WS_mean vs run
$\times10^3$
χ^2 / ndf 1.816e+06 / 80
p0 1.409e+05 ± 0.3116
142
141.5
141
140.5
140
139.5
pull
Entries 81
Mean 77.69
Std Dev 95.95
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 81
Mean −0.05033
Std Dev 2.999
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0l02WS_rms vs run
χ^2 / ndf 3.264e+04 / 80
p0 270.5 ± 0.2204
550
500
450
400
350
300
250
200

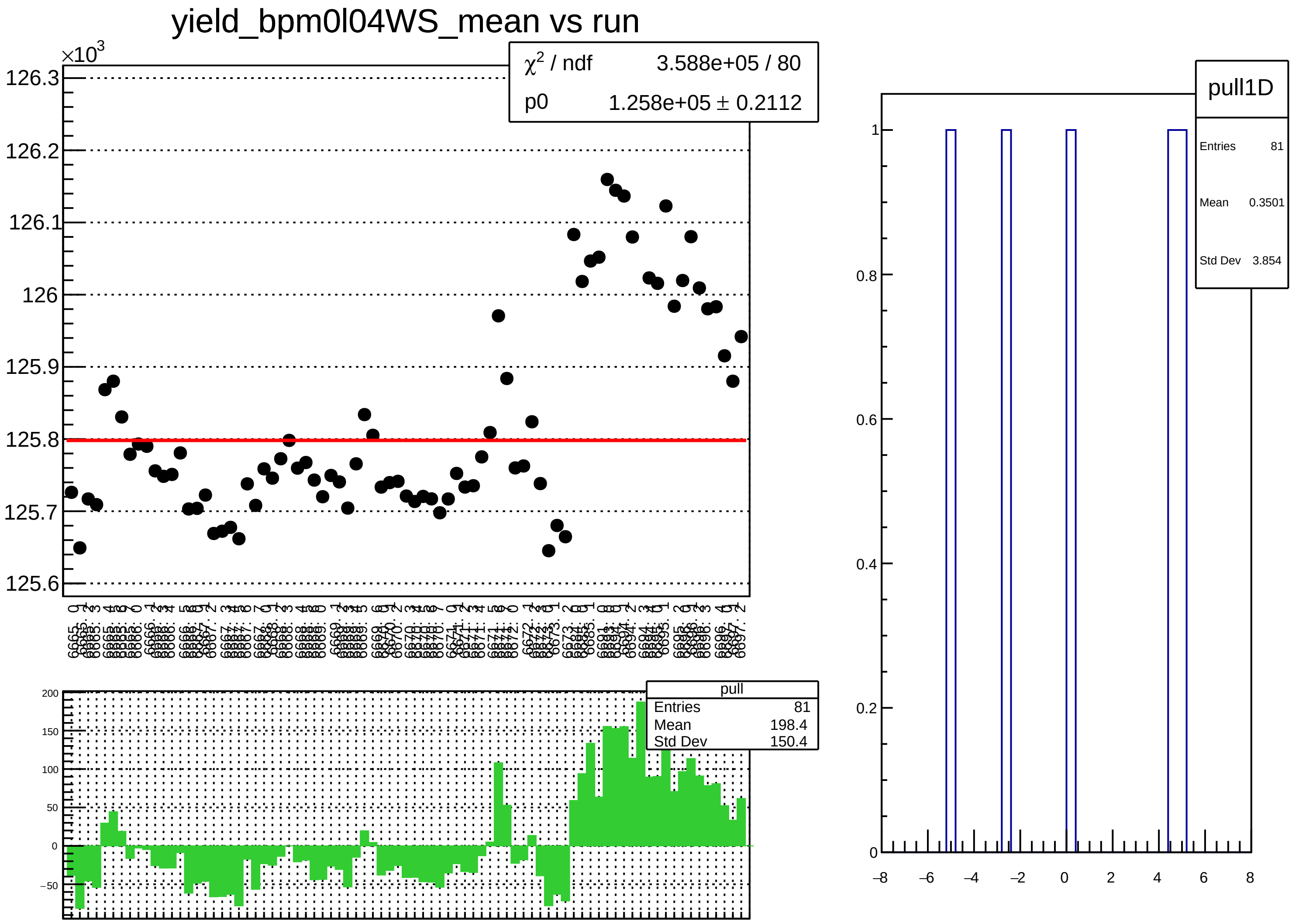
yield_bpm0I03WS_mean vs run



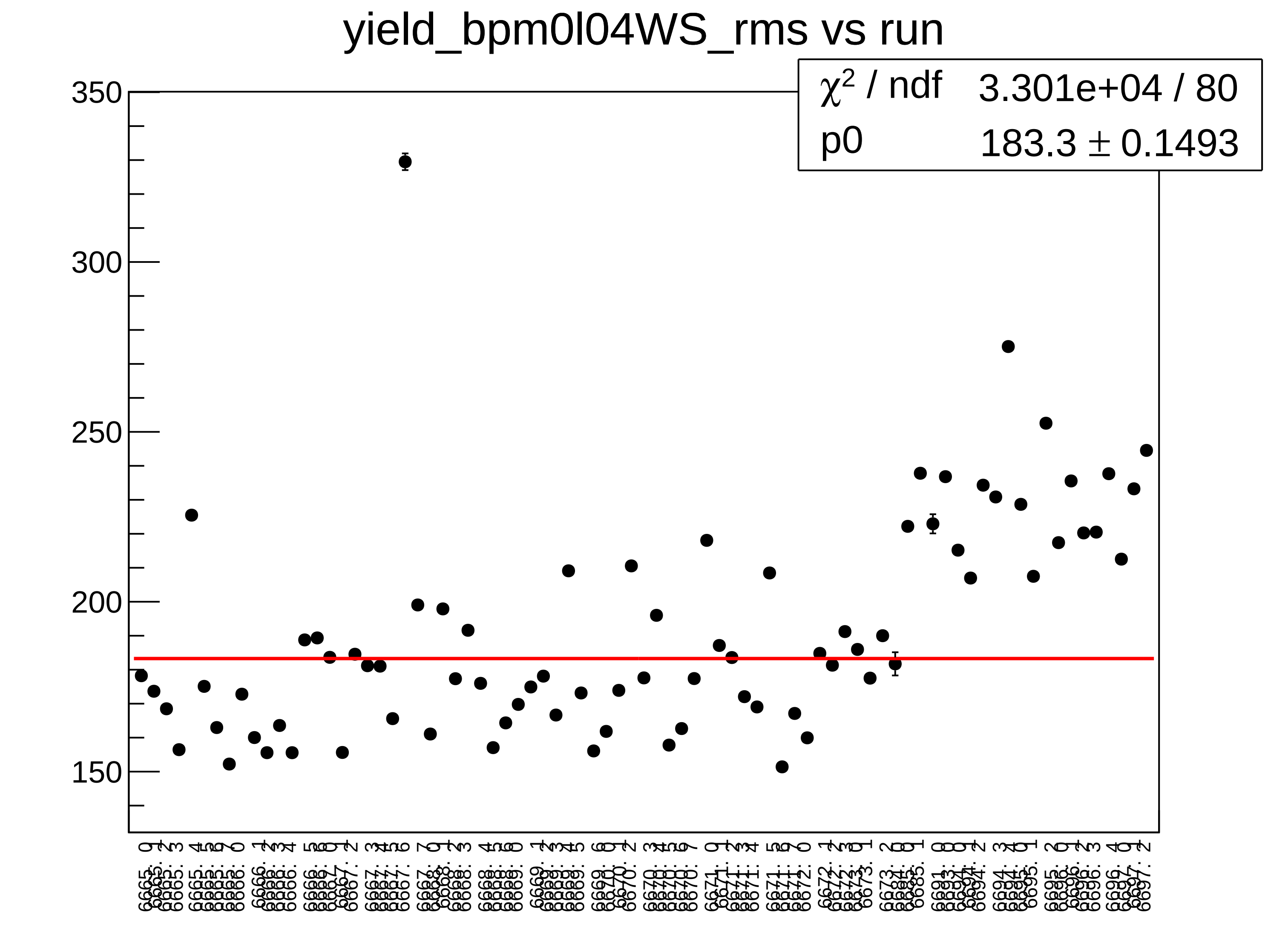




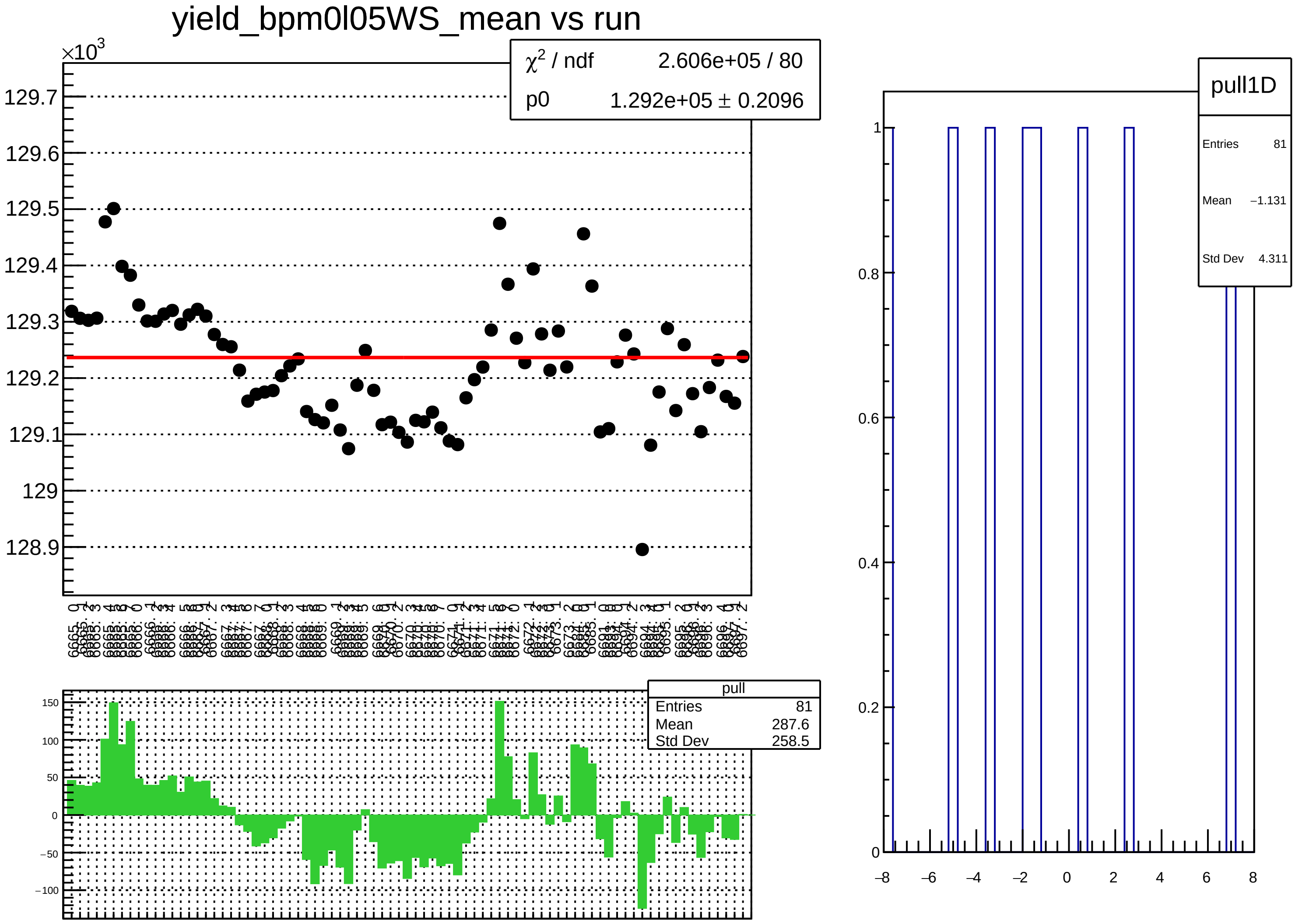
yield_bpm0l03WS_rms vs run
χ² / ndf 7.749e+04 / 80
p0 481.4 ± 0.3981
1600
1400
1200
1000
800
600
400
200



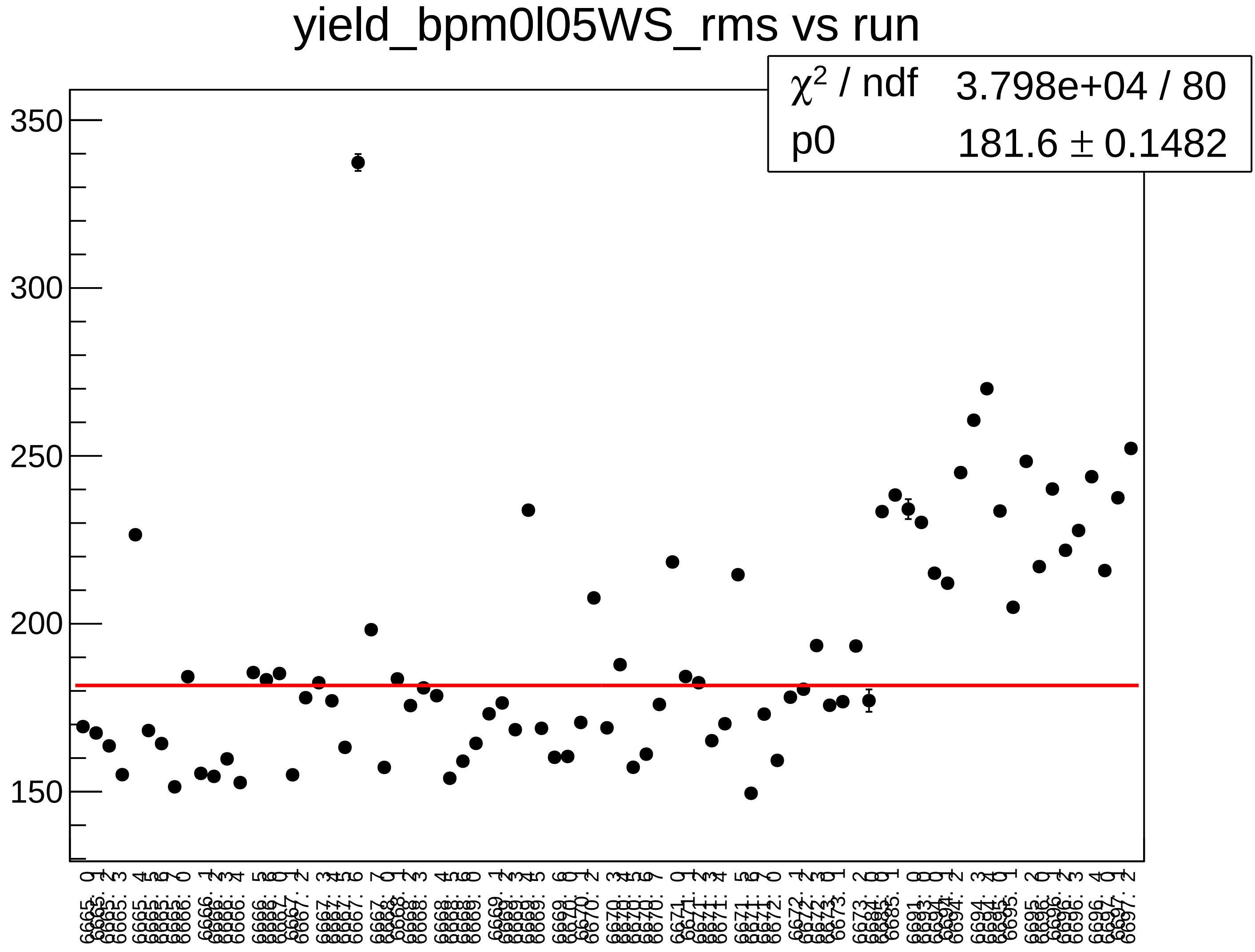
yield_bpm0l04WS_mean vs run
$\times 10^3$
χ^2 / ndf 3.588e+05 / 80
p0 1.258e+05 ± 0.2112
pull
Entries 81
Mean 198.4
Std Dev 150.4
pull1D
Entries 81
Mean 0.3501
Std Dev 3.854



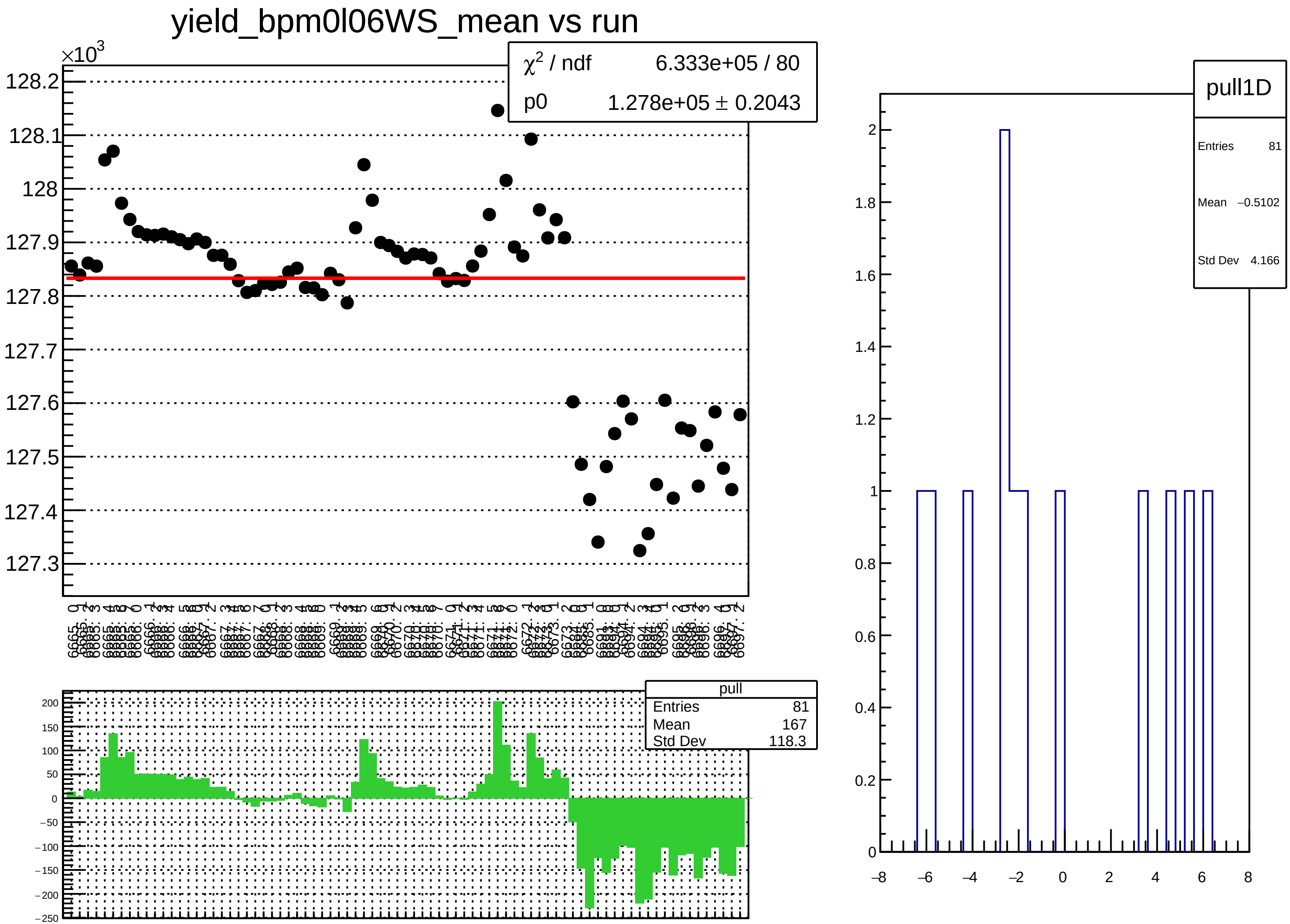
yield_bpm0l04WS_rms vs run
χ^2 / ndf 3.301e+04 / 80
p0 183.3 ± 0.1493
350
300
250
200
150



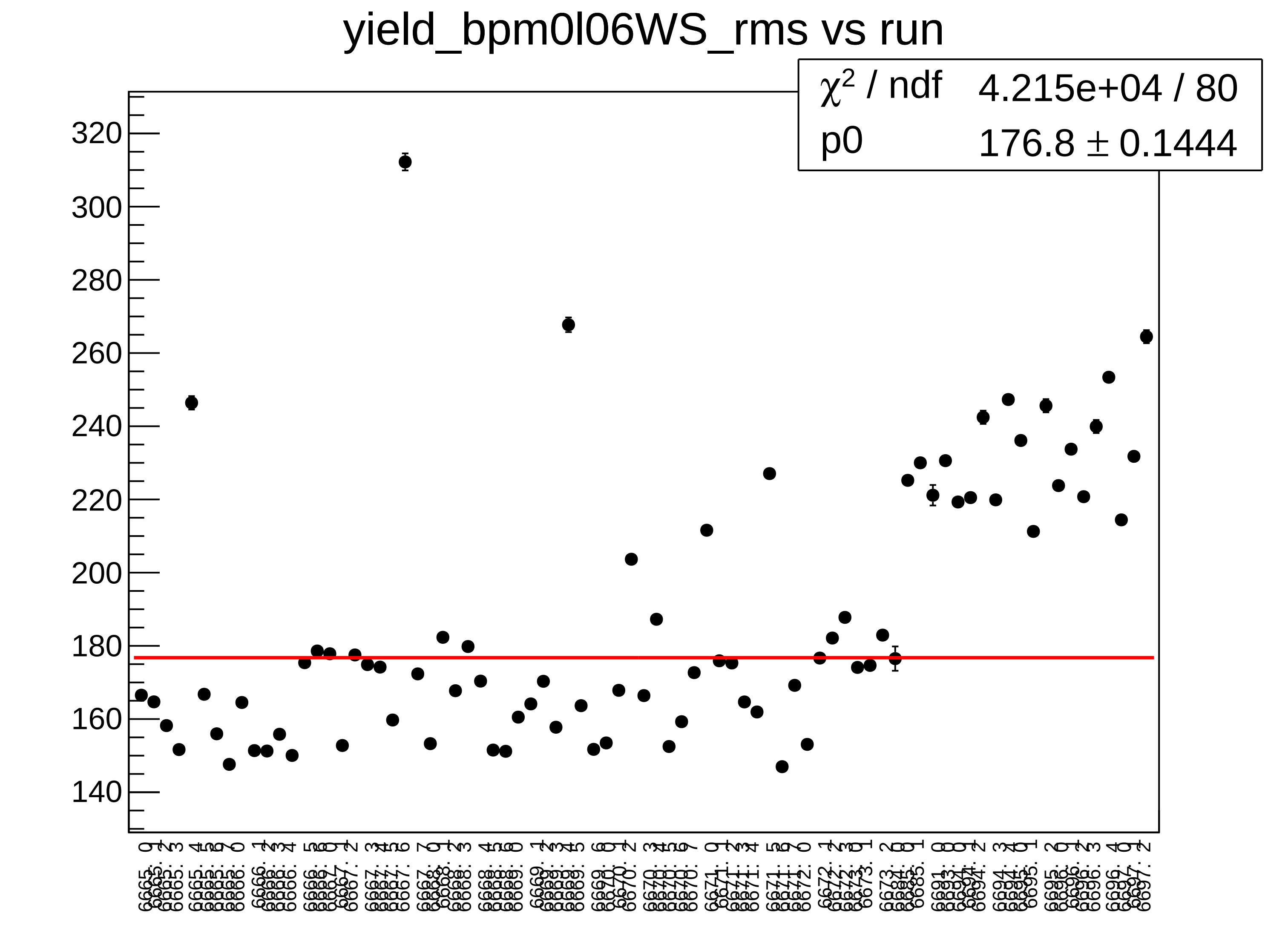
yield_bpm0I05WS_mean vs run
×10^3
χ^2 / ndf 2.606e+05 / 80
p0 1.292e+05 ± 0.2096
129.7
129.6
129.5
129.4
129.3
129.2
129.1
129
128.9
pull
Entries 81
Mean 287.6
Std Dev 258.5
150
100
50
0
−50
−100
pull1D
Entries 81
Mean −1.131
Std Dev 4.311
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



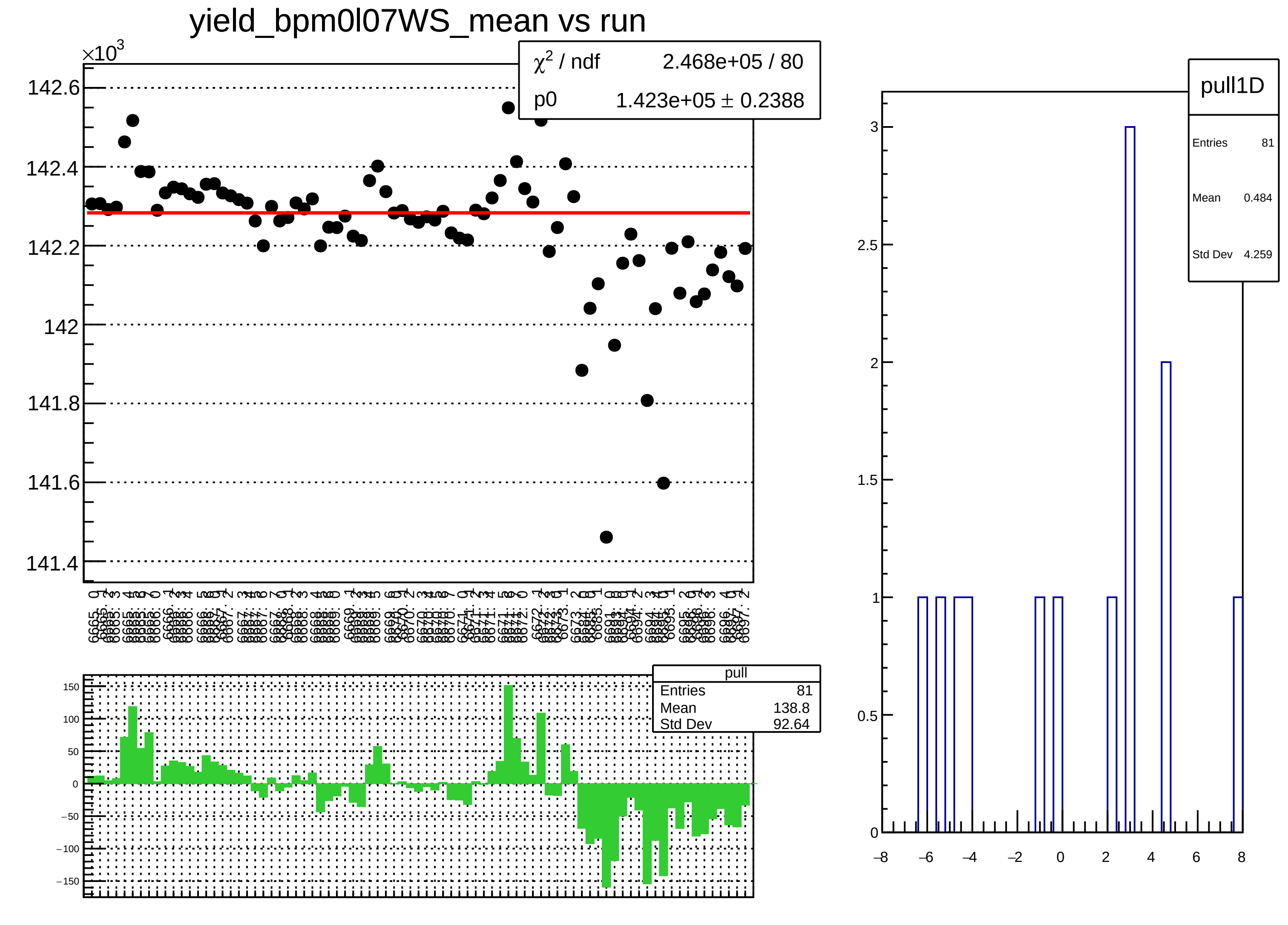
yield_bpm0l05WS_rms vs run
χ2 / ndf 3.798e+04 / 80
p0 181.6 ± 0.1482
350
300
250
200
150



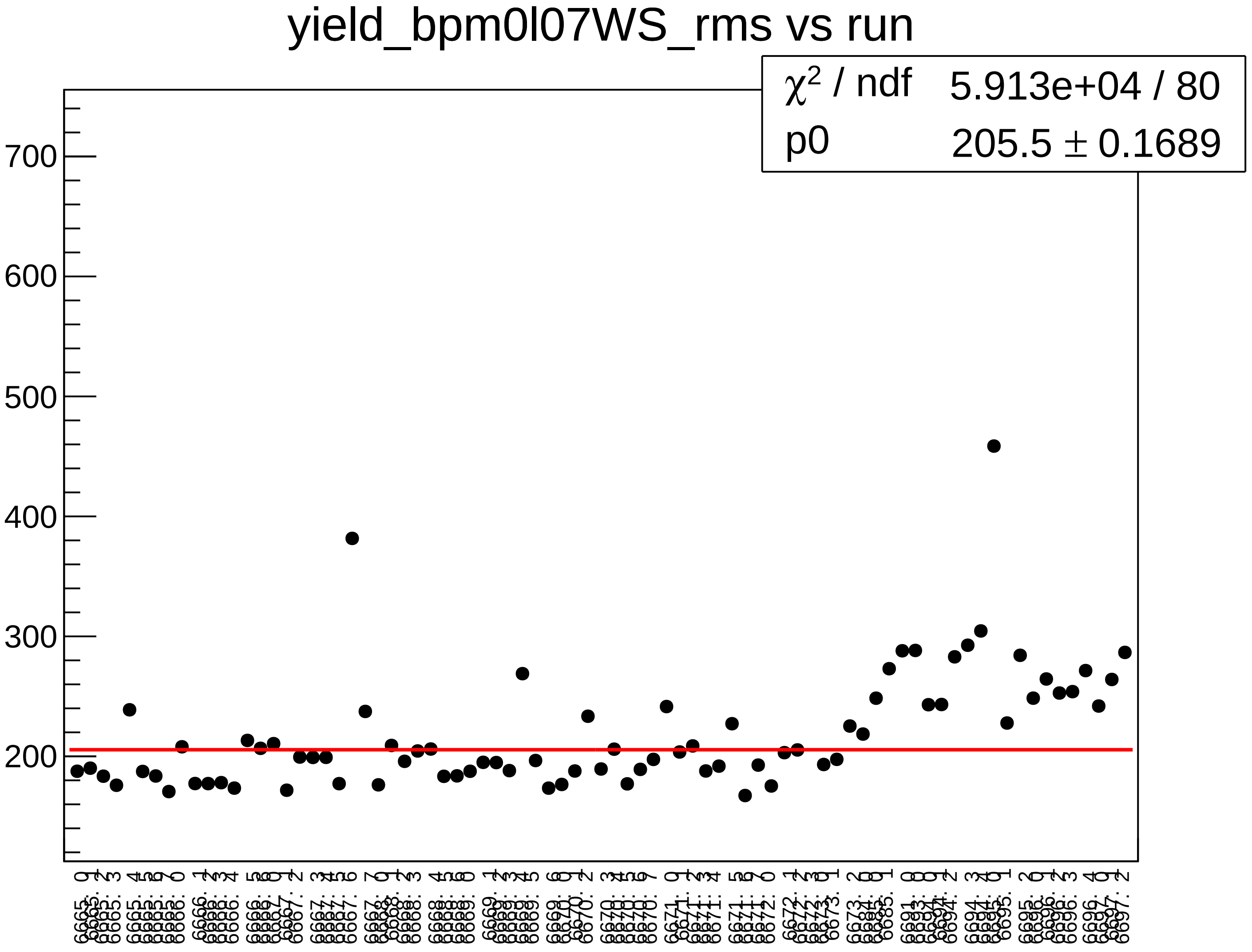
yield_bpm0I06WS_mean vs run
×10^3
χ^2 / ndf 6.333e+05 / 80
p0 1.278e+05 ± 0.2043
128.2
128.1
128
127.9
127.8
127.7
127.6
127.5
127.4
127.3
pull
Entries 81
Mean 167
Std Dev 118.3
pull1D
Entries 81
Mean −0.5102
Std Dev 4.166



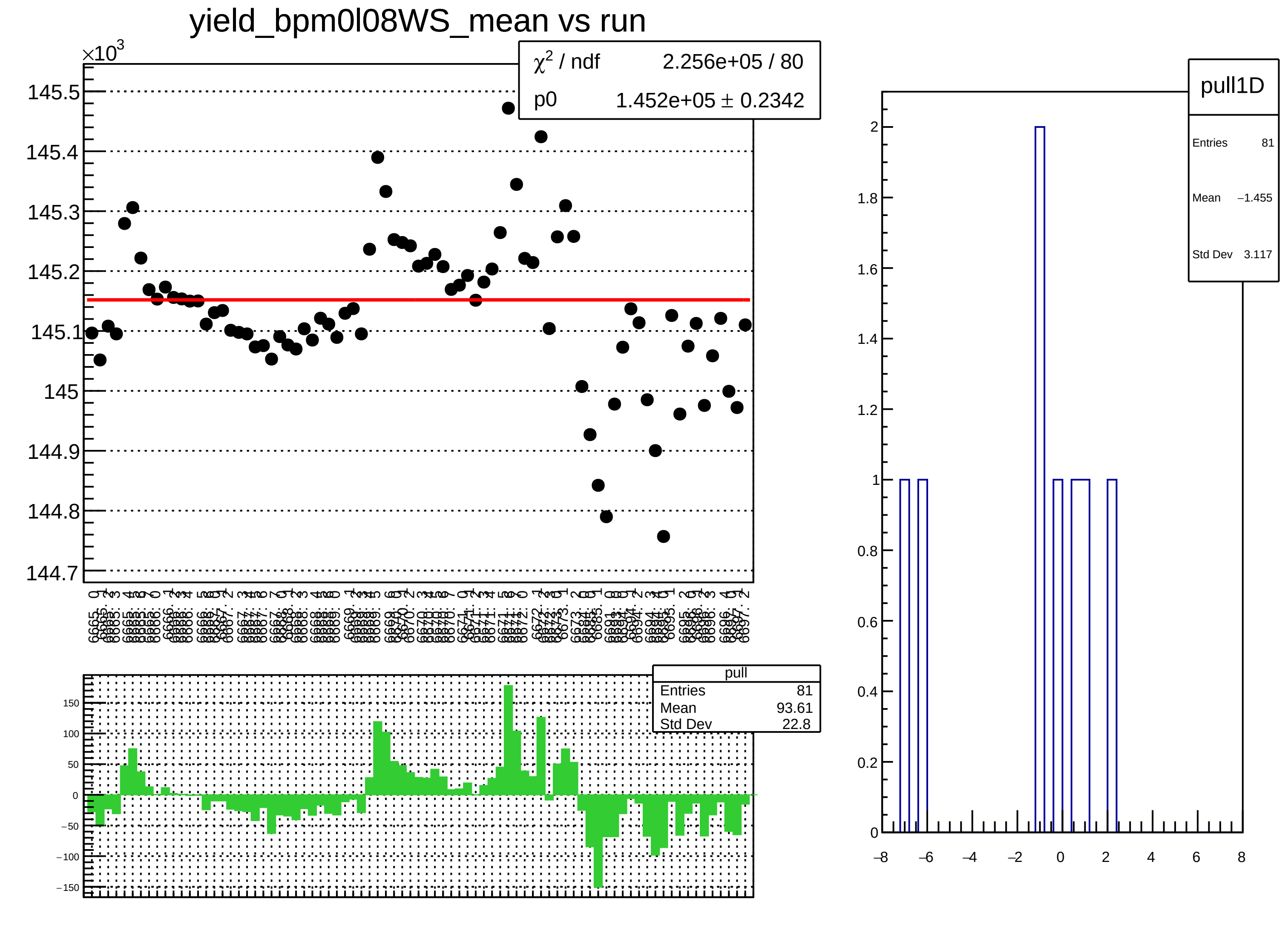
yield_bpm0l06WS_rms vs run
χ2 / ndf 4.215e+04 / 80
p0 176.8 ± 0.1444
320
300
280
260
240
220
200
180
160
140



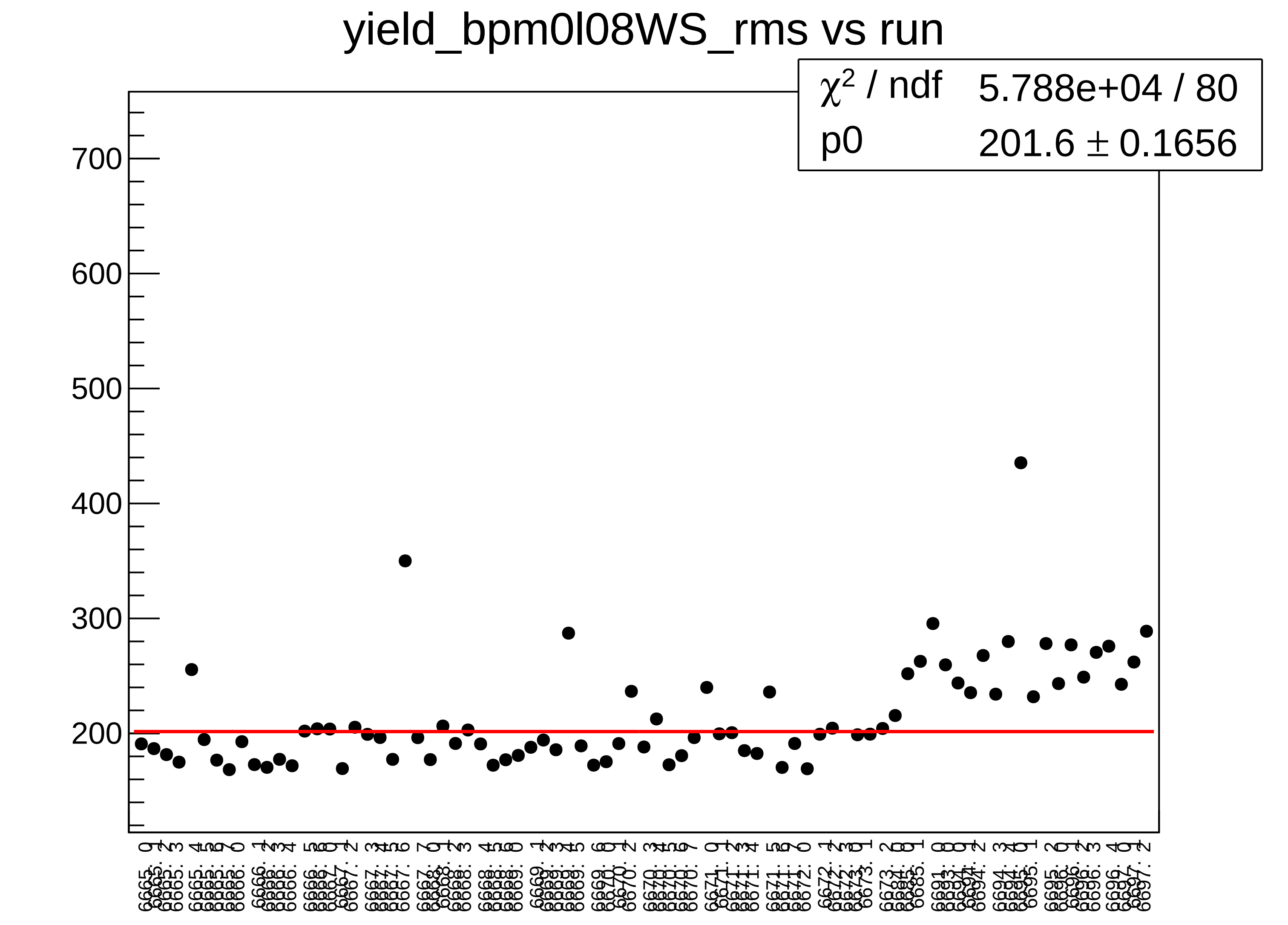
yield_bpm0l07WS_mean vs run
χ^2 / ndf 2.468e+05 / 80
p0 1.423e+05 ± 0.2388
pull
Entries 81
Mean 138.8
Std Dev 92.64
pull1D
Entries 81
Mean 0.484
Std Dev 4.259

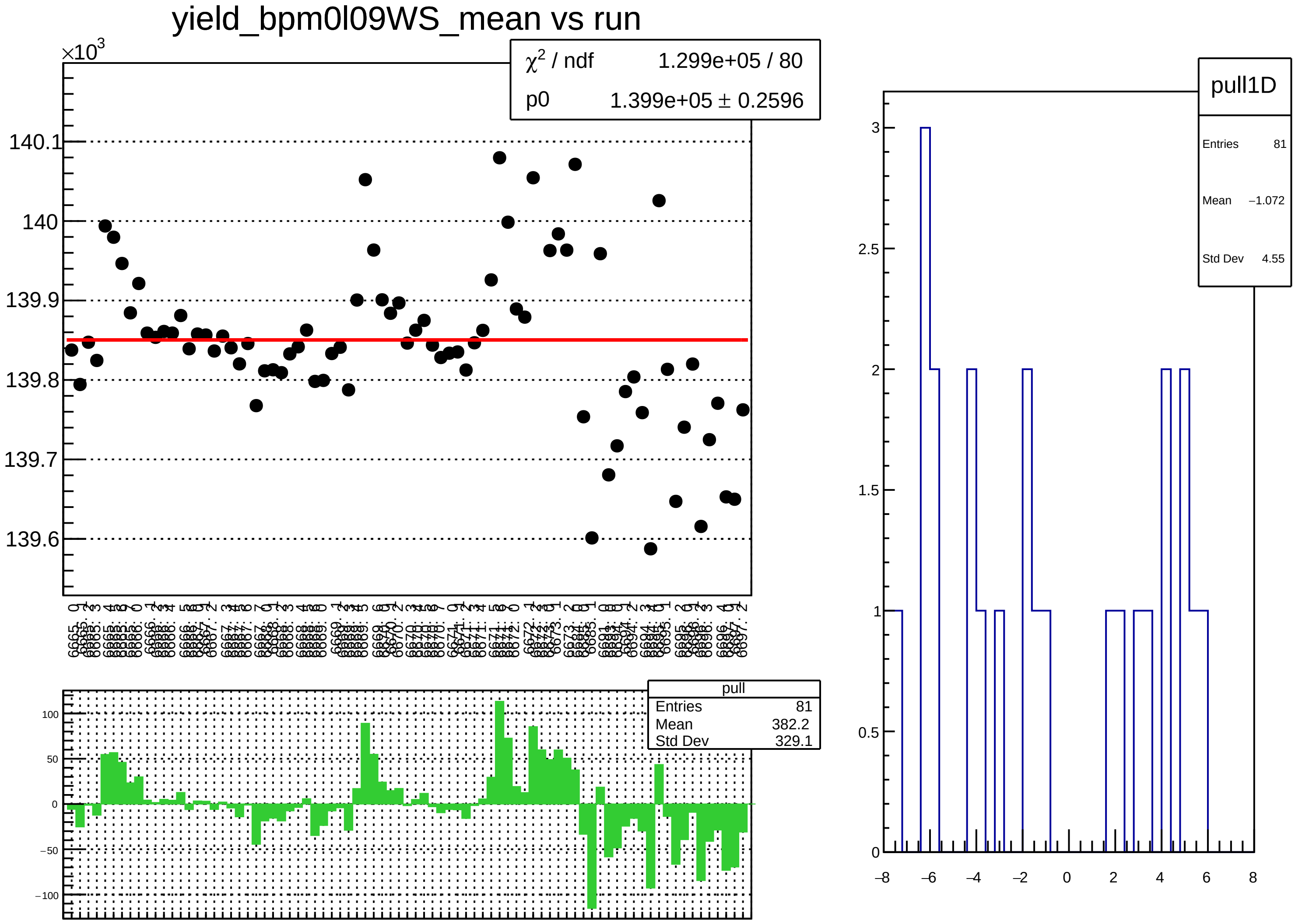


yield_bpm0l07WS_rms vs run
χ^2 / ndf 5.913e+04 / 80
p0 205.5 ± 0.1689
700
600
500
400
300
200

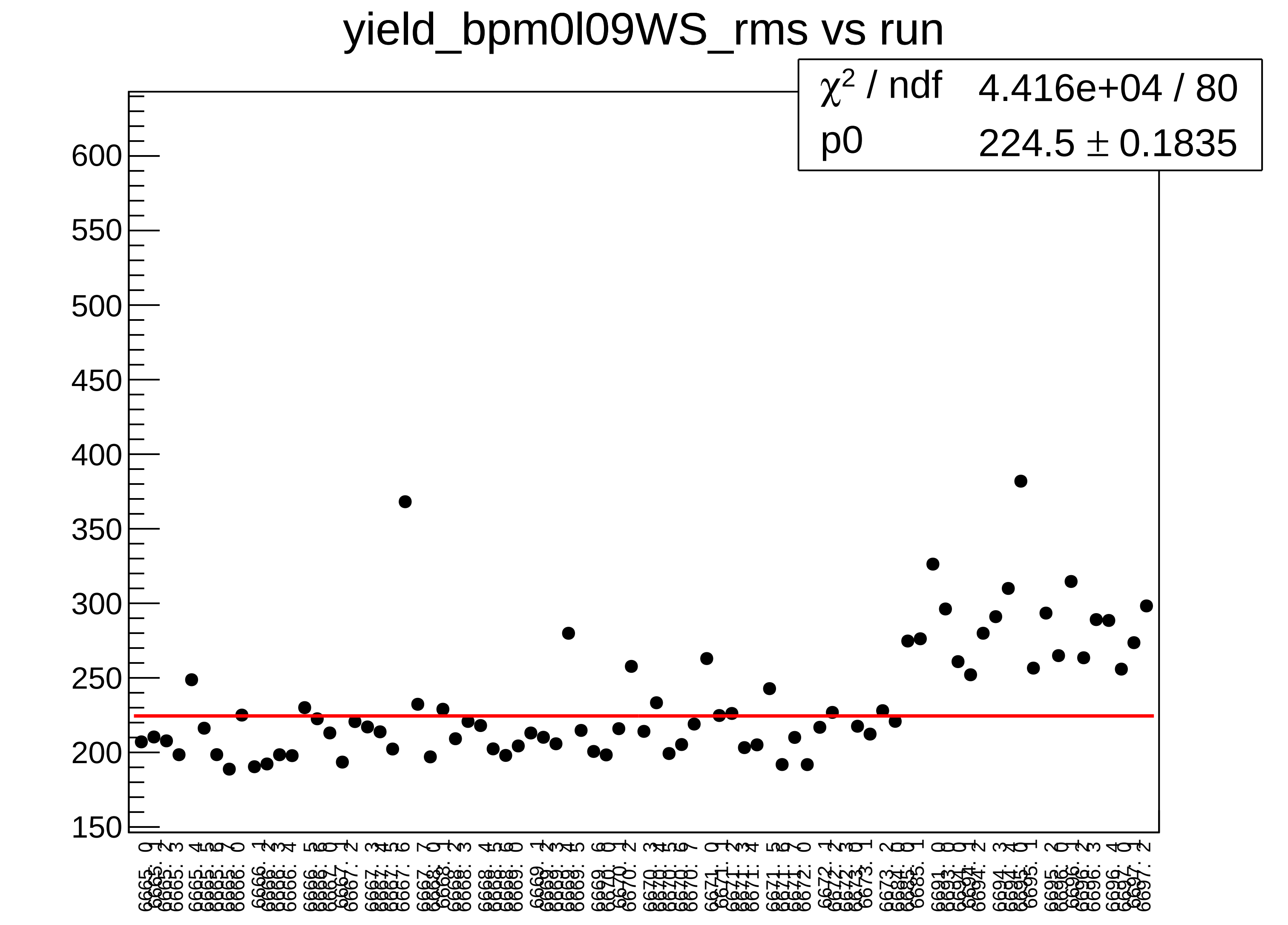


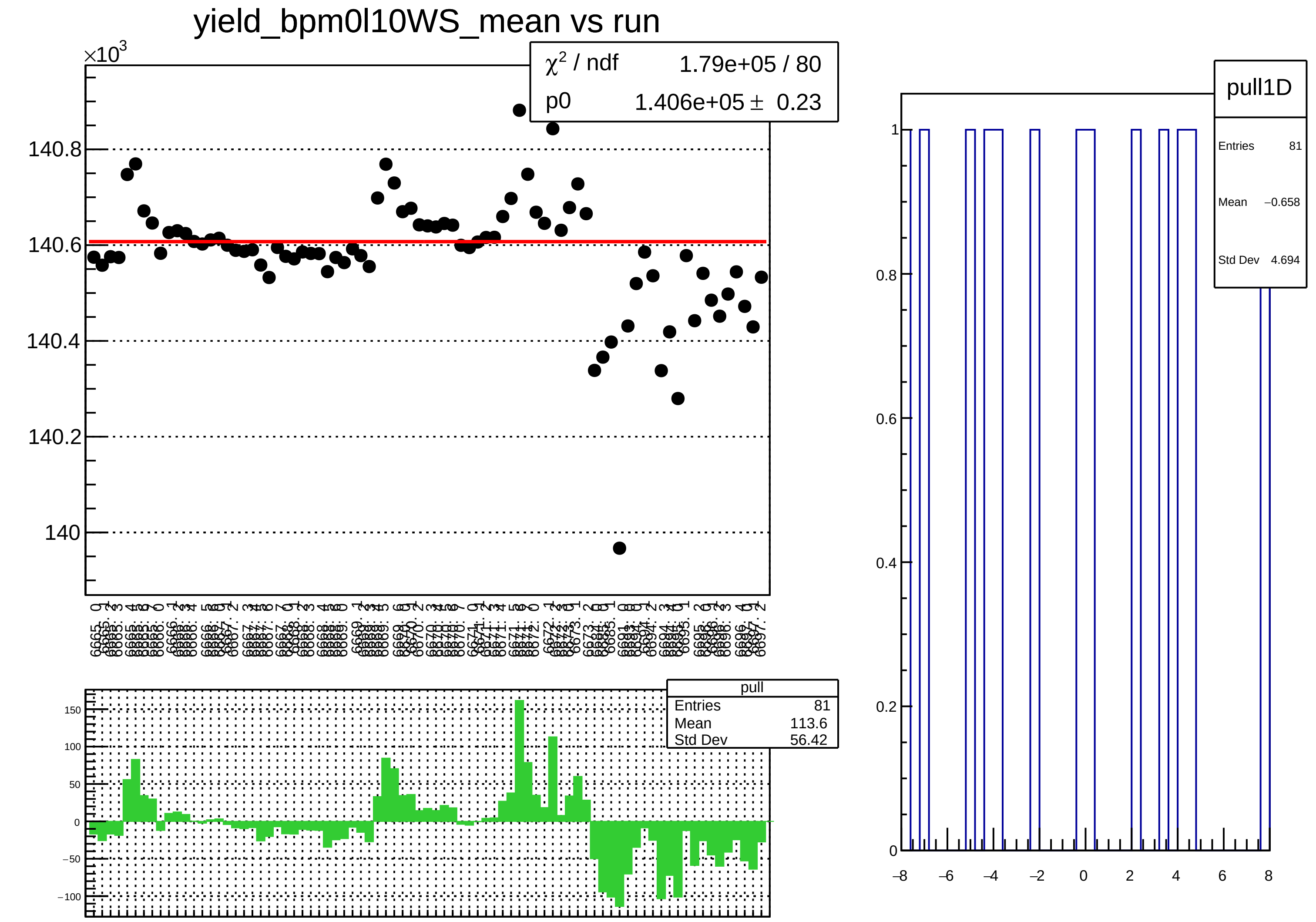
yield_bpm0l08WS_mean vs run
$\times 10^3$
χ^2 / ndf 2.256e+05 / 80
p0 1.452e+05 ± 0.2342
pull
Entries 81
Mean 93.61
Std Dev 22.8
pull1D
Entries 81
Mean −1.455
Std Dev 3.117


yield_bpm0l08WS_rms vs run
χ2 / ndf 5.788e+04 / 80
p0 201.6 ± 0.1656
700
600
500
400
300
200

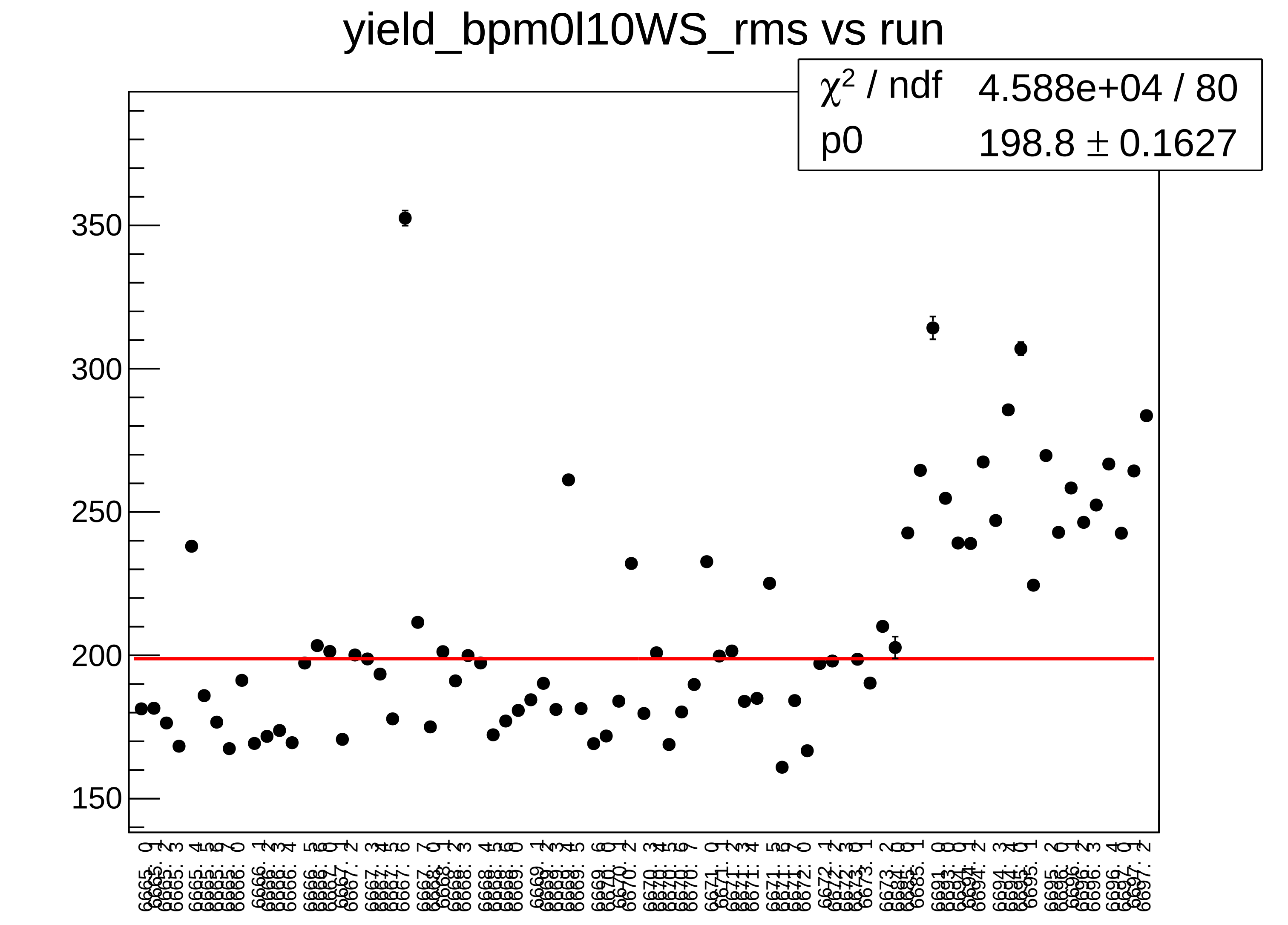


yield_bpm0l09WS_mean vs run
×10^3
χ2 / ndf 1.299e+05 / 80
p0 1.399e+05 ± 0.2596
140.1
140
139.9
139.8
139.7
139.6
pull
Entries 81
Mean 382.2
Std Dev 329.1
100
50
0
−50
−100
pull1D
Entries 81
Mean −1.072
Std Dev 4.55
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

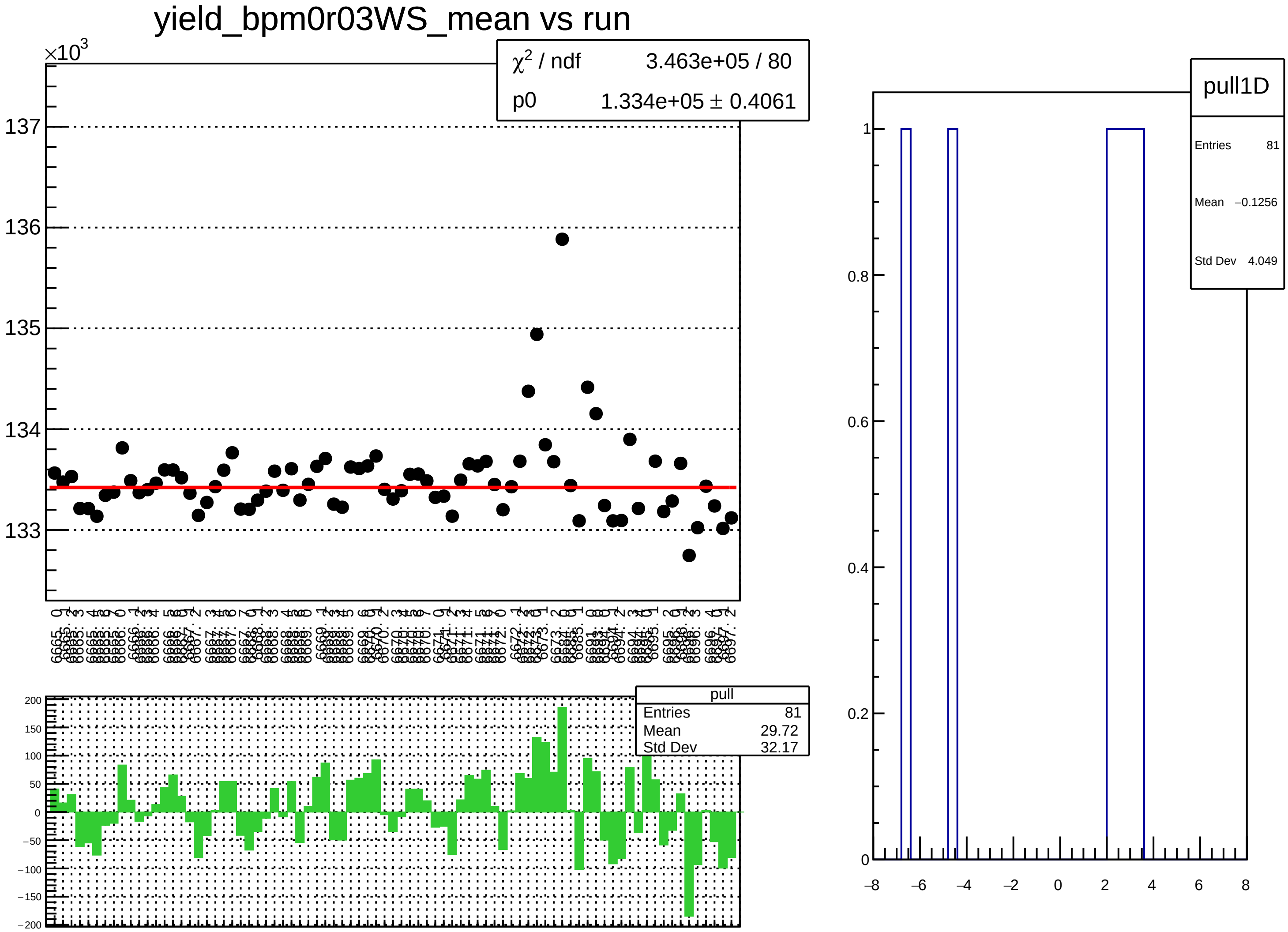

yield_bpm0l09WS_rms vs run
χ^2 / ndf 4.416e+04 / 80
p0 224.5 ± 0.1835
600
550
500
450
400
350
300
250
200
150



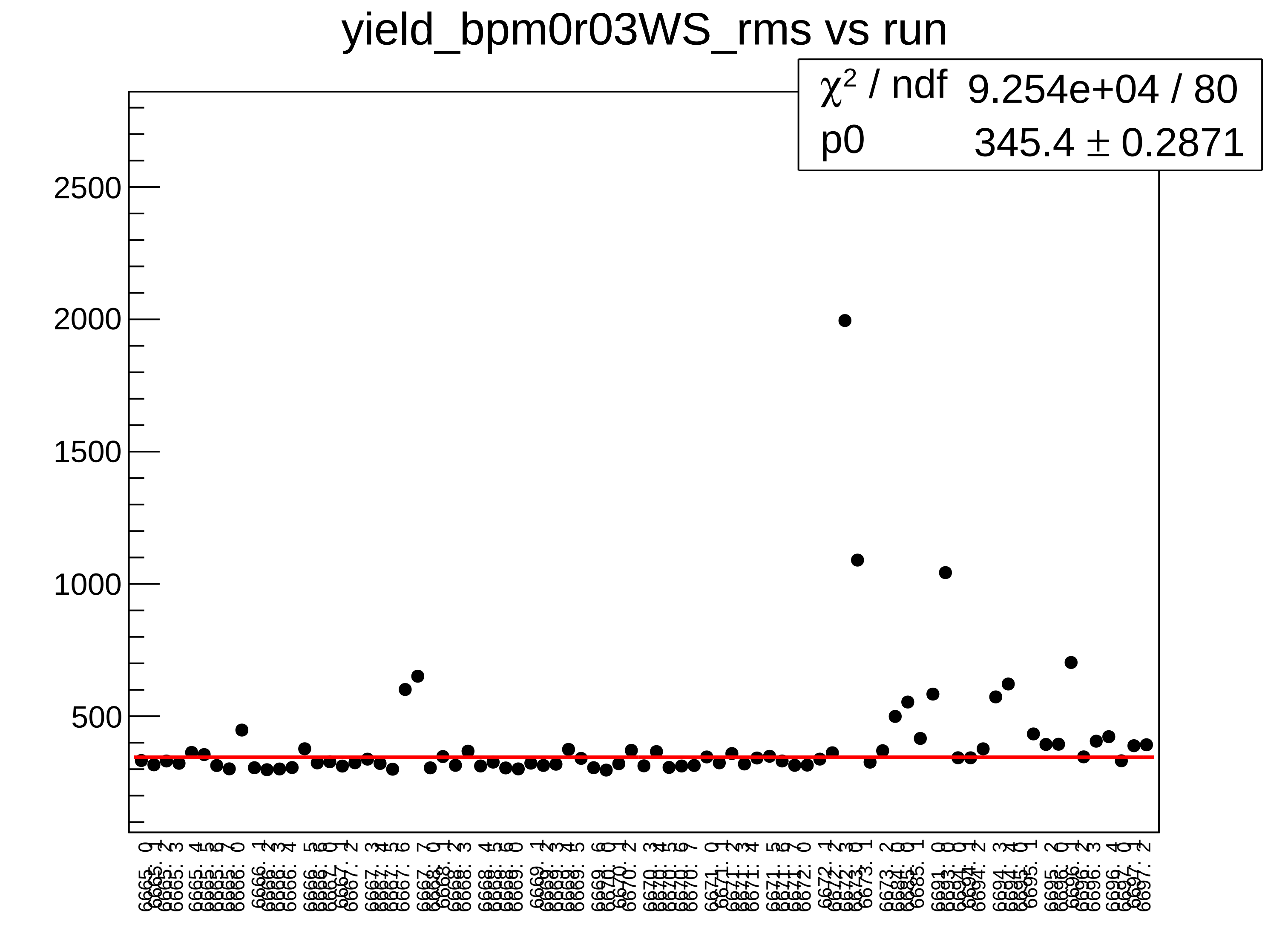
yield_bpm0l10WS_mean vs run
$\times10^3$
χ^2 / ndf 1.79e+05 / 80
p0 1.406e+05 ± 0.23
140.8
140.6
140.4
140.2
140
pull
Entries 81
Mean 113.6
Std Dev 56.42
150
100
50
0
−50
−100
pull1D
Entries 81
Mean −0.658
Std Dev 4.694
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



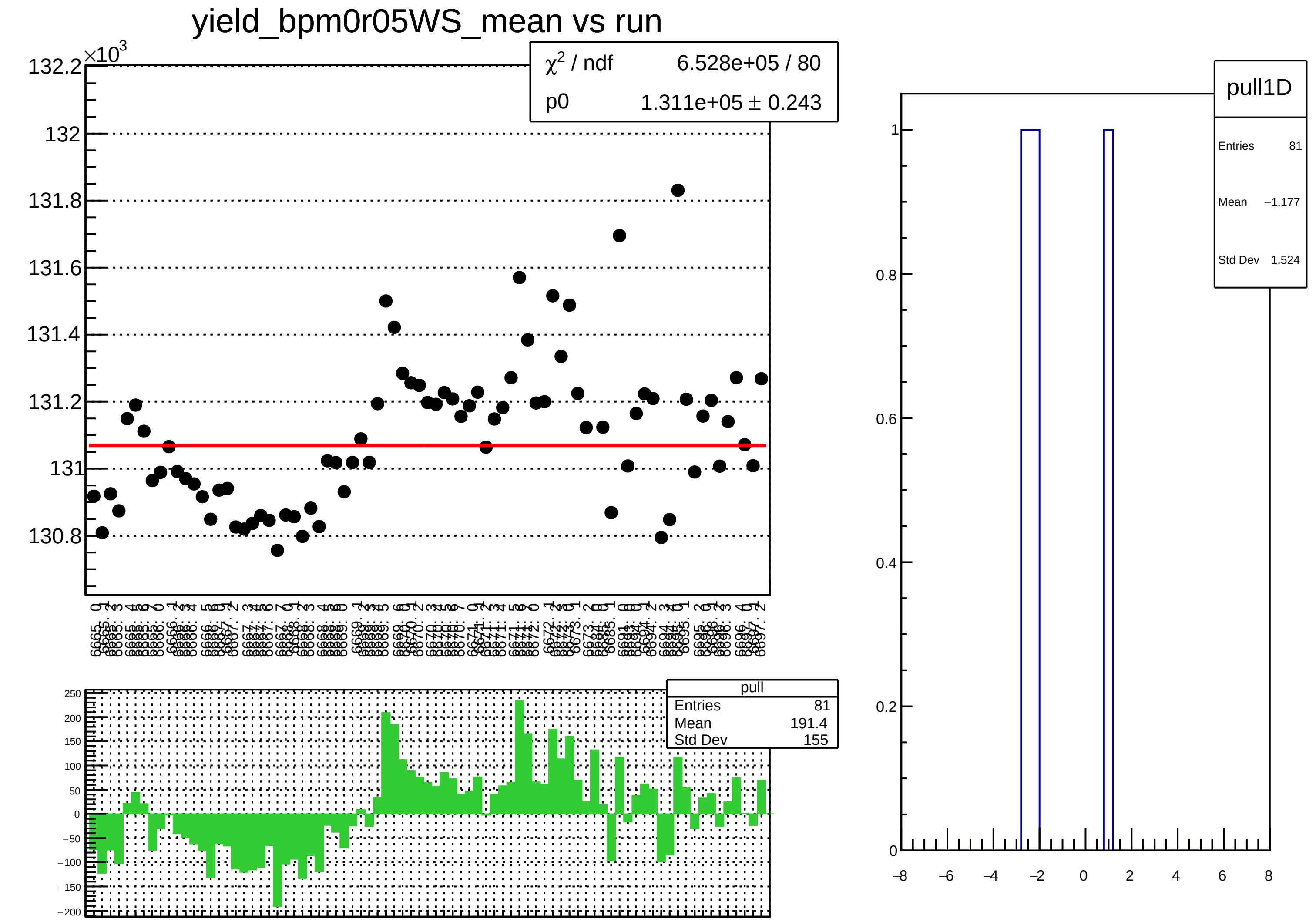
yield_bpm0l10WS_rms vs run
χ^2 / ndf 4.588e+04 / 80
p0 198.8 ± 0.1627
350
300
250
200
150



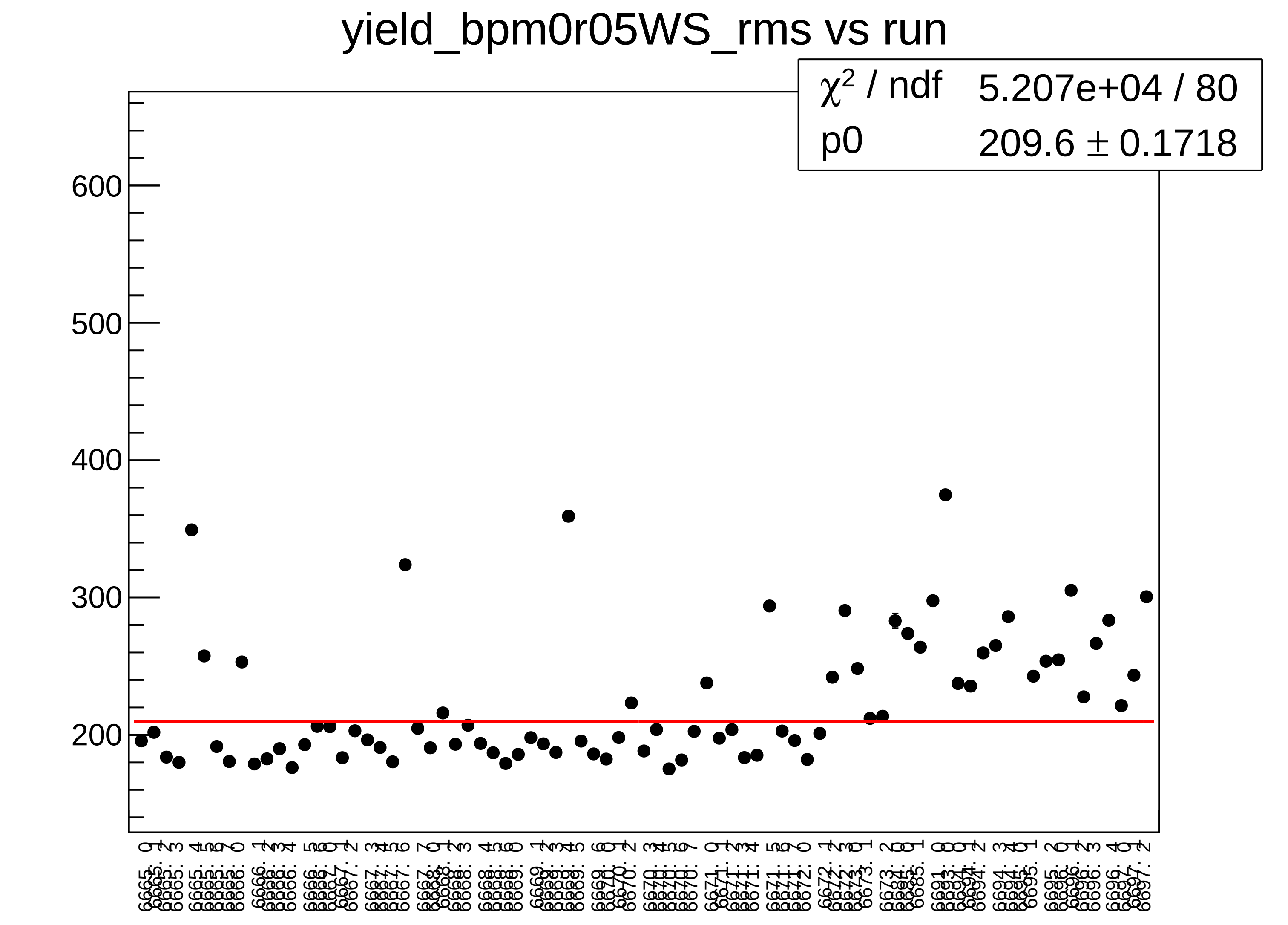
yield_bpm0r03WS_mean vs run
×10^3
χ^2 / ndf 3.463e+05 / 80
p0 1.334e+05 ± 0.4061
pull
Entries 81
Mean 29.72
Std Dev 32.17
pull1D
Entries 81
Mean −0.1256
Std Dev 4.049

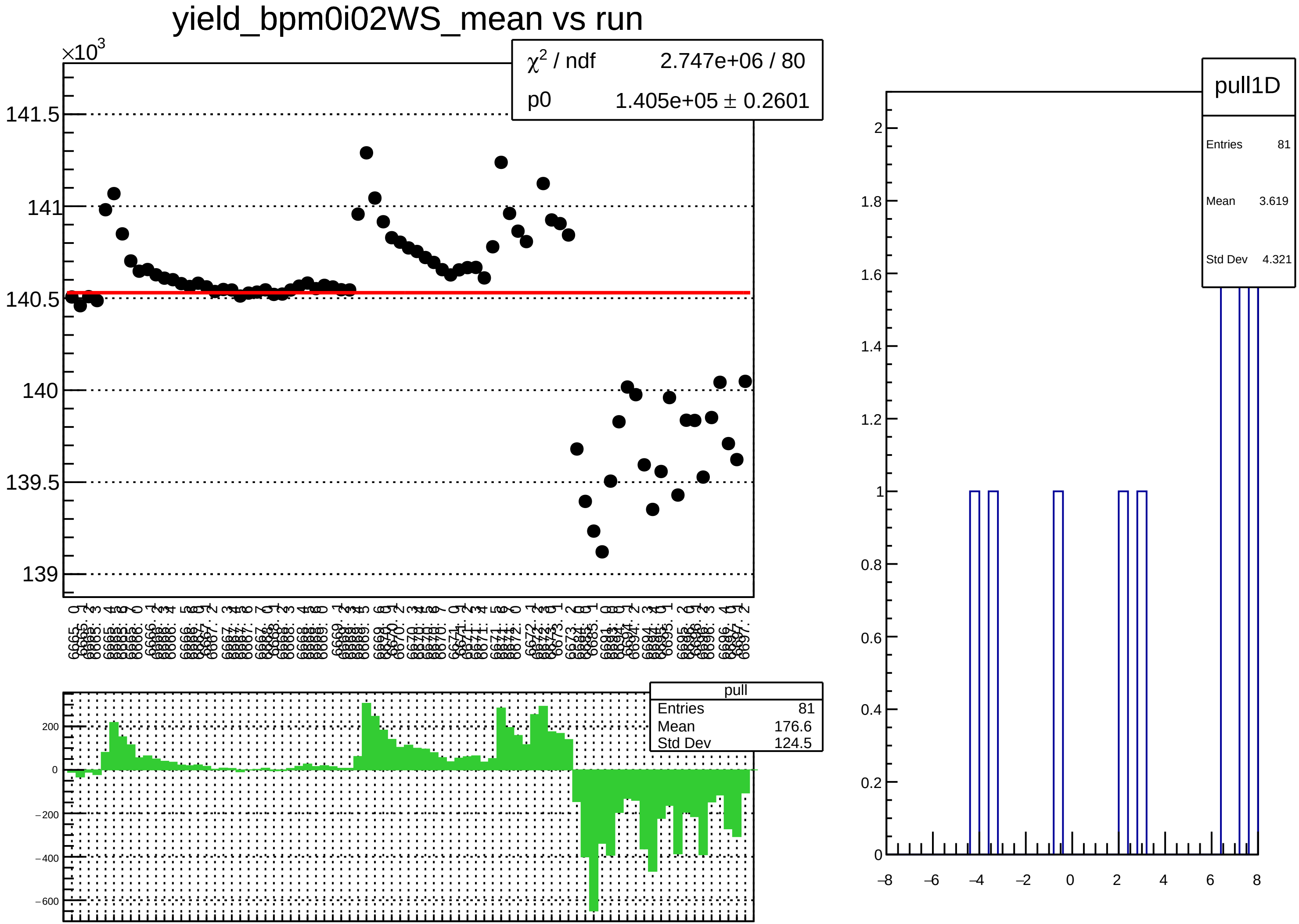


yield_bpm0r03WS_rms vs run
χ² / ndf 9.254e+04 / 80
p0 345.4 ± 0.2871
2500
2000
1500
1000
500

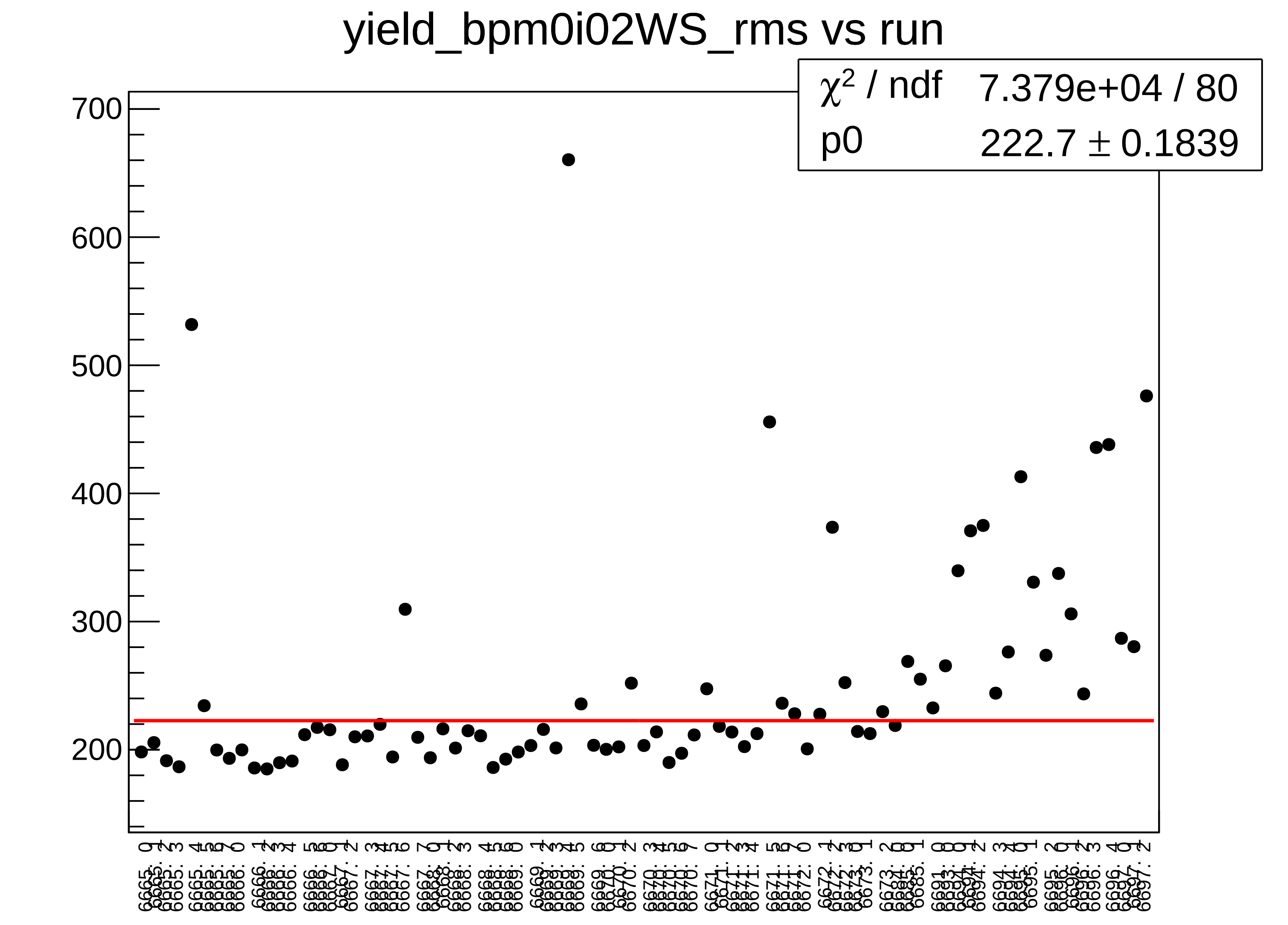


yield_bpm0r05WS_mean vs run
χ^2 / ndf 6.528e+05 / 80
p0 1.311e+05 ± 0.243
pull
Entries 81
Mean 191.4
Std Dev 155
pull1D
Entries 81
Mean −1.177
Std Dev 1.524

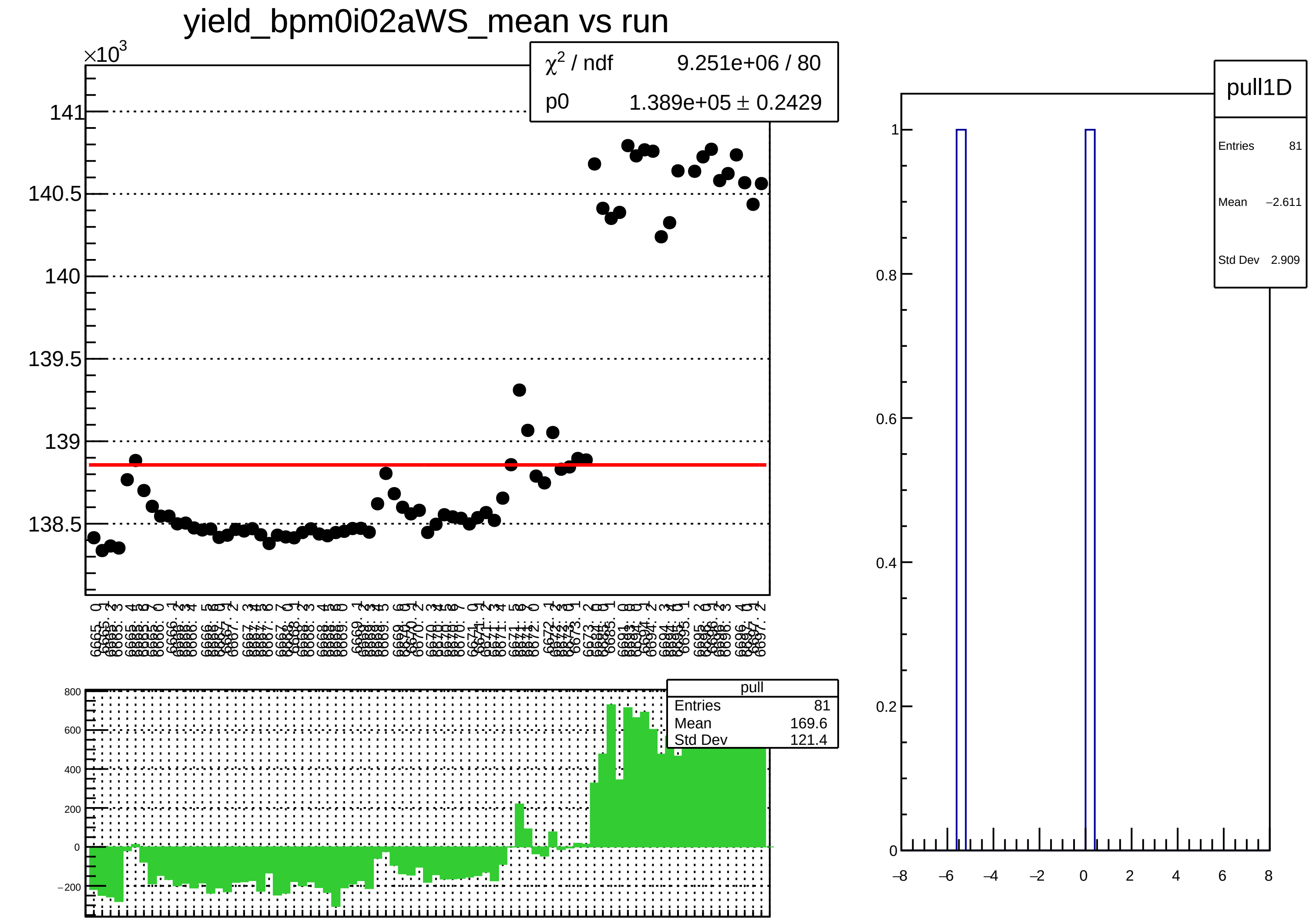

yield_bpm0r05WS_rms vs run
χ2 / ndf 5.207e+04 / 80
p0 209.6 ± 0.1718
600
500
400
300
200



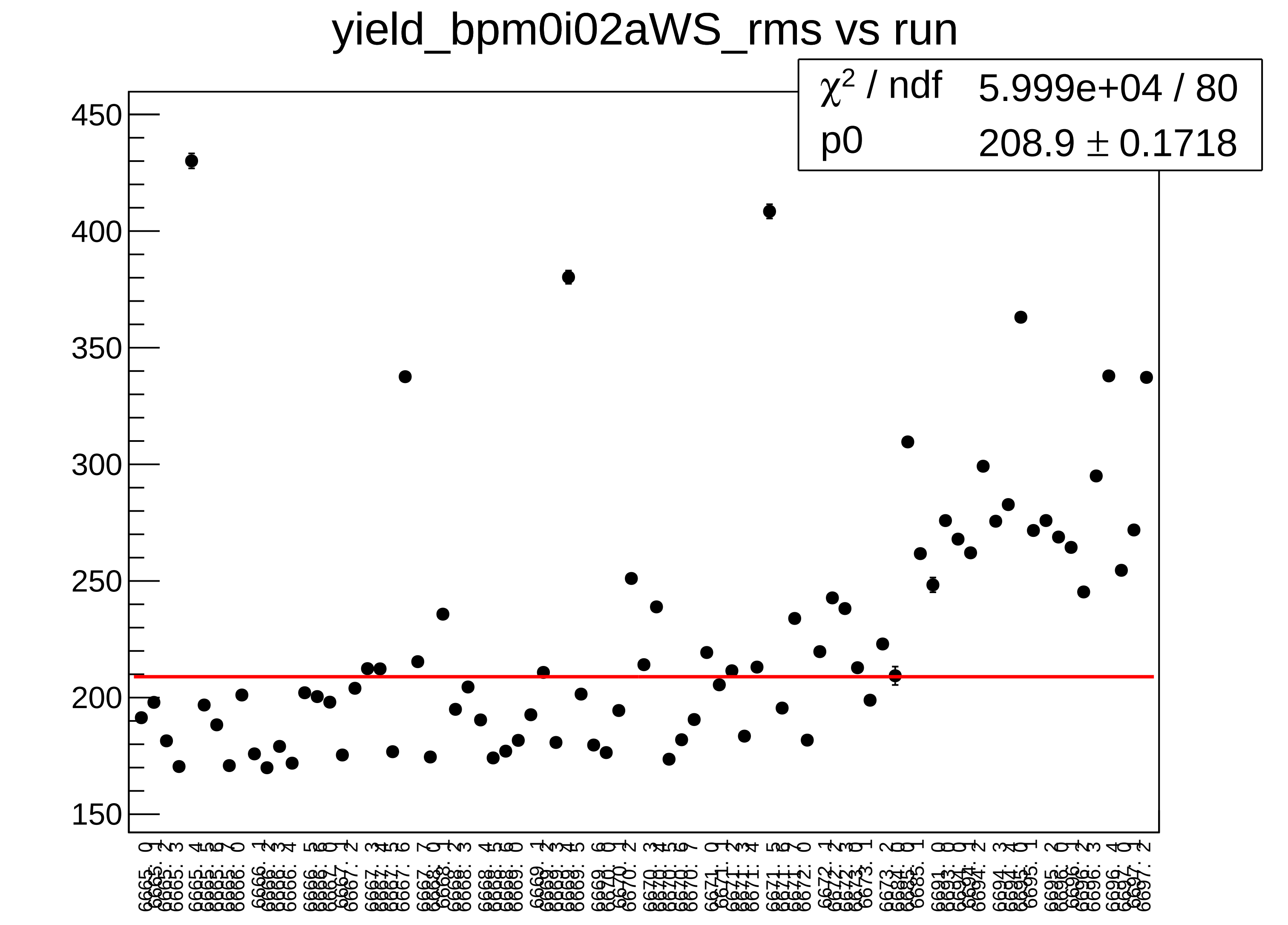
yield_bpm0i02WS_mean vs run
$\times10^3$
χ^2 / ndf 2.747e+06 / 80
p0 1.405e+05 ± 0.2601
pull
Entries 81
Mean 176.6
Std Dev 124.5
pull1D
Entries 81
Mean 3.619
Std Dev 4.321



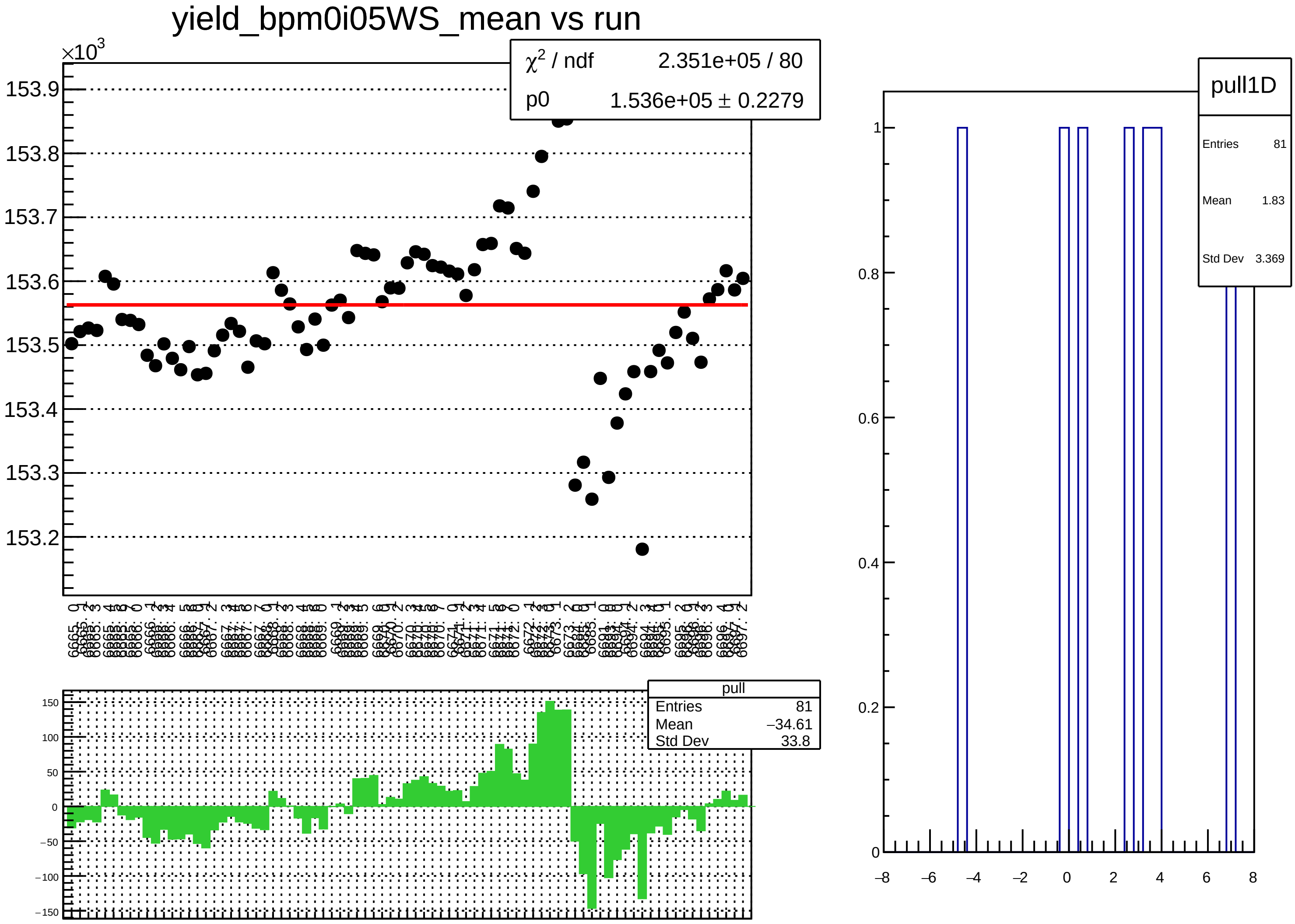
yield_bpm0i02WS_rms vs run
χ2 / ndf 7.379e+04 / 80
p0 222.7 ± 0.1839
700
600
500
400
300
200



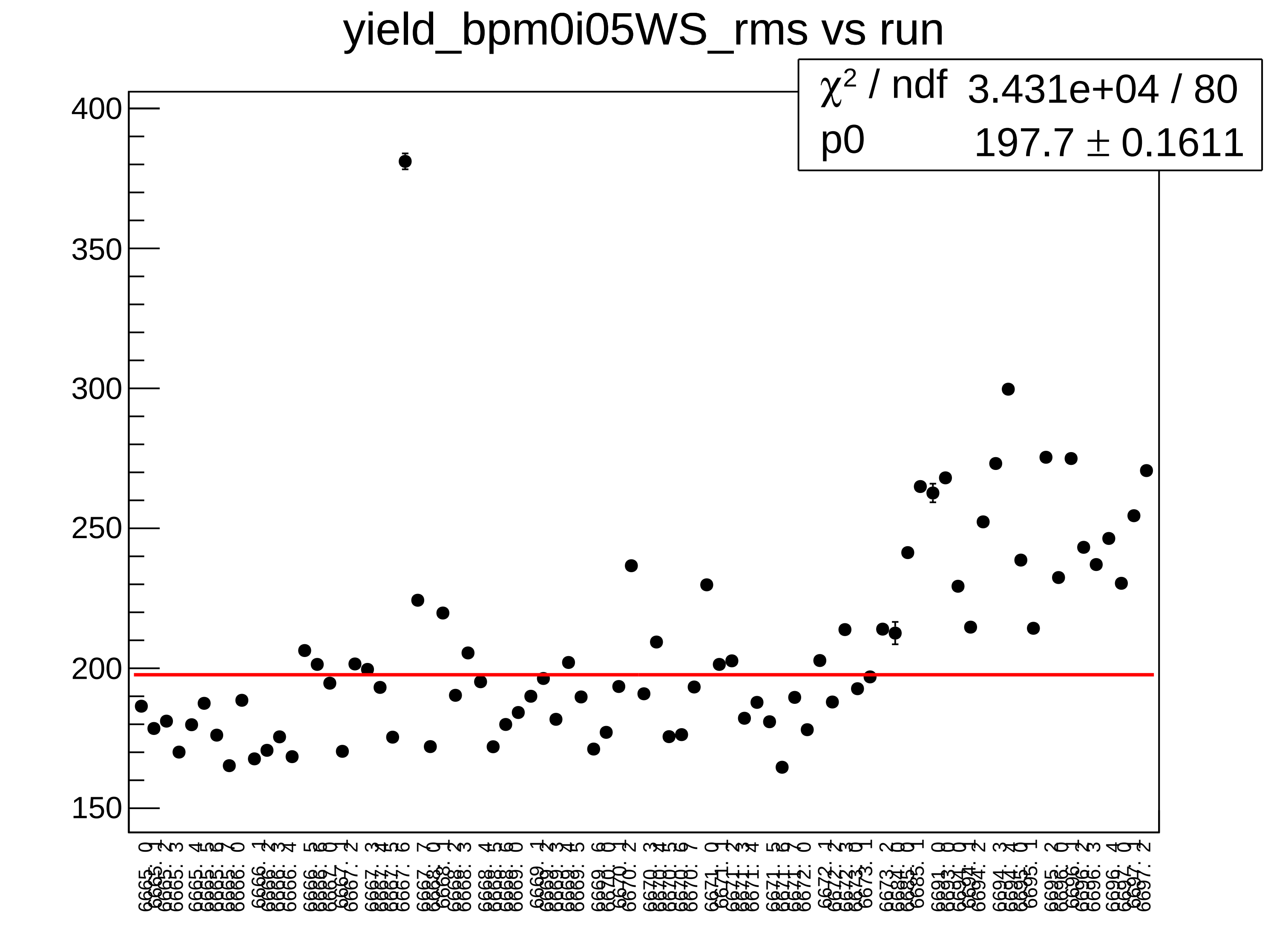
yield_bpm0i02aWS_mean vs run
χ^2 / ndf 9.251e+06 / 80
p0 1.389e+05 ± 0.2429
pull
Entries 81
Mean 169.6
Std Dev 121.4
pull1D
Entries 81
Mean −2.611
Std Dev 2.909

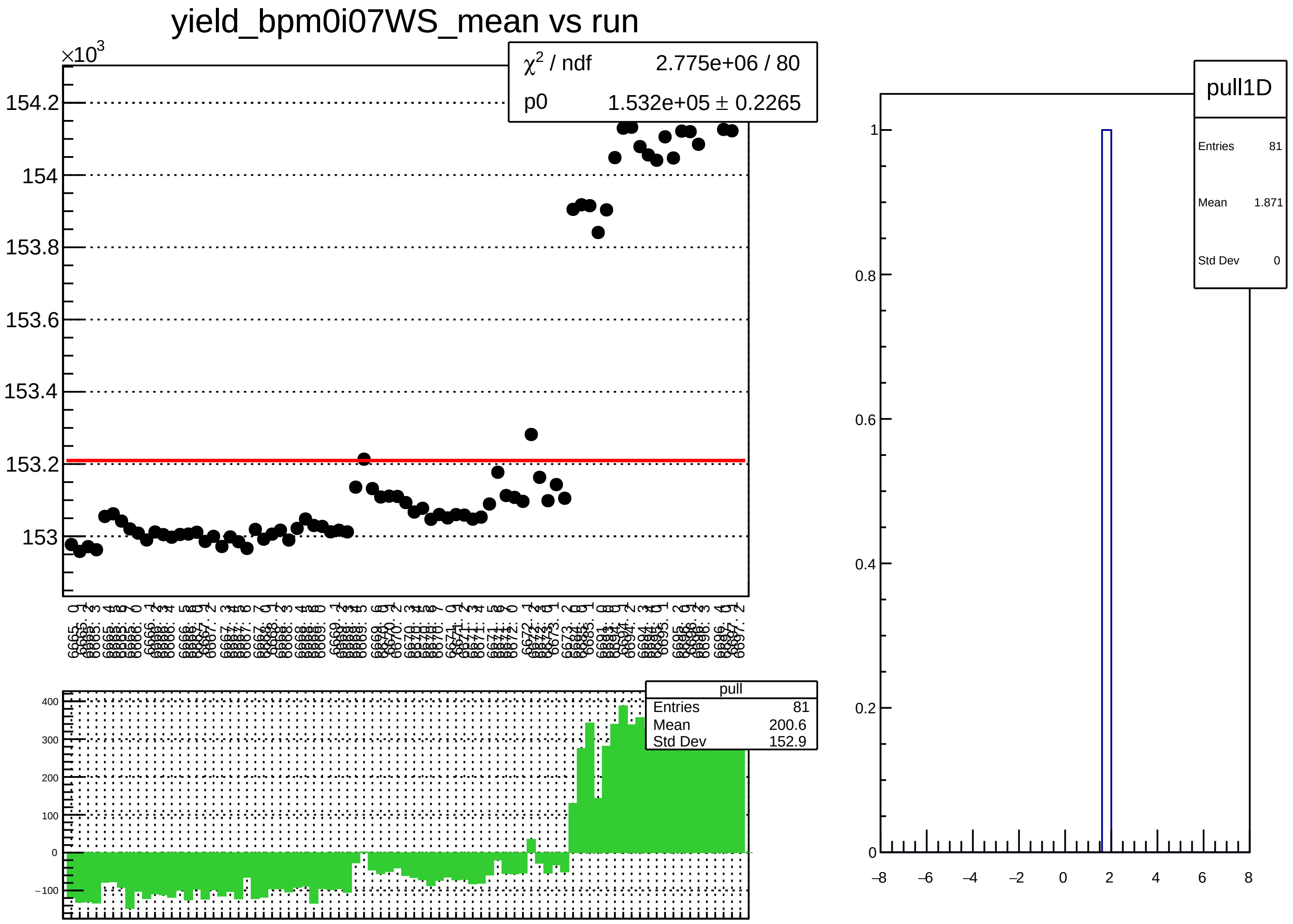


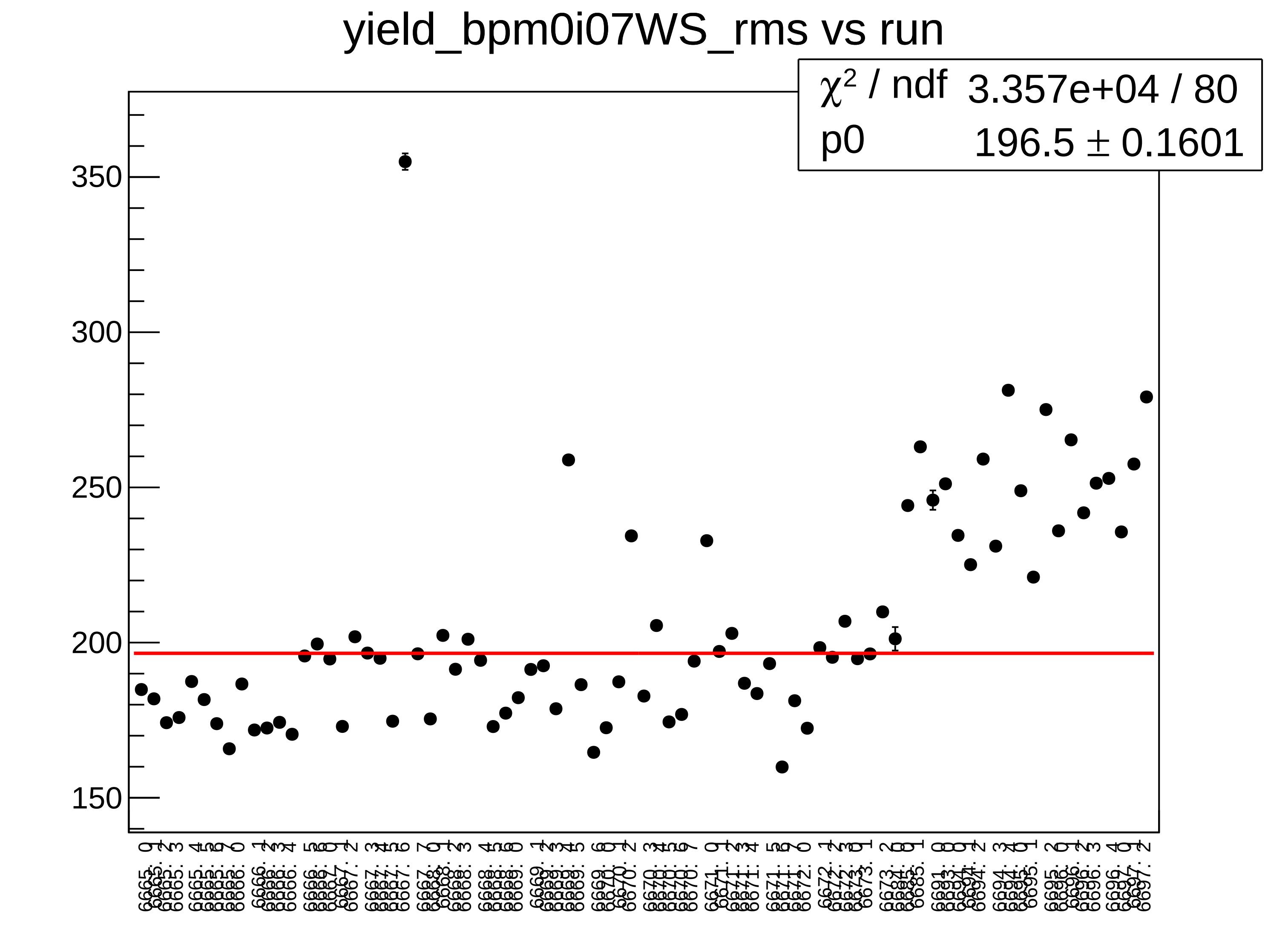
yield_bpm0i02aWS_rms vs run
χ^2 / ndf 5.999e+04 / 80
p0 208.9 ± 0.1718
450
400
350
300
250
200
150



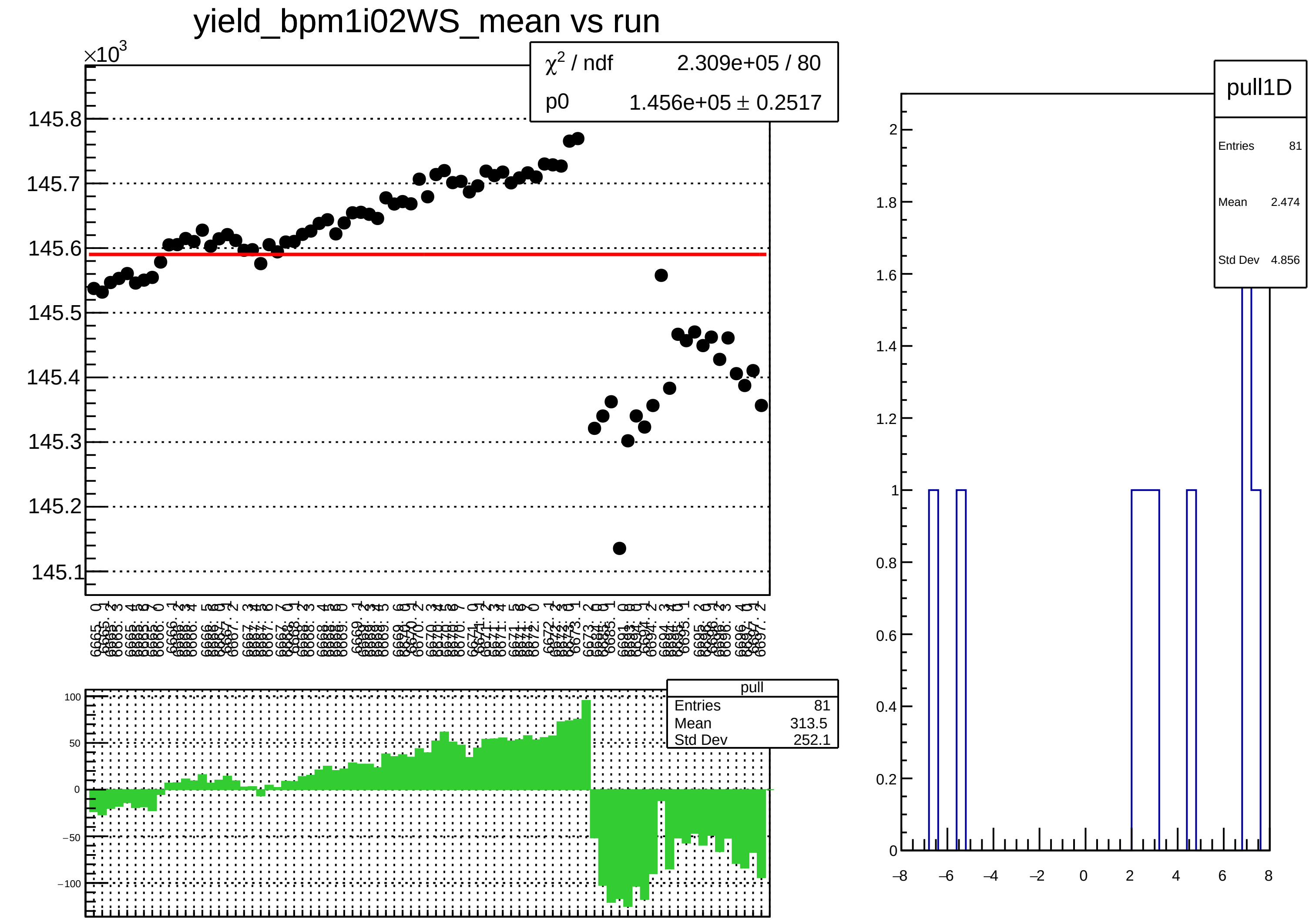
yield_bpm0i05WS_mean vs run
×10^3
χ2 / ndf 2.351e+05 / 80
p0 1.536e+05 ± 0.2279
153.9
153.8
153.7
153.6
153.5
153.4
153.3
153.2
pull
Entries 81
Mean −34.61
Std Dev 33.8
150
100
50
0
−50
−100
−150
pull1D
Entries 81
Mean 1.83
Std Dev 3.369
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0i05WS_rms vs run
χ^2 / ndf 3.431e+04 / 80
p0 197.7 ± 0.1611

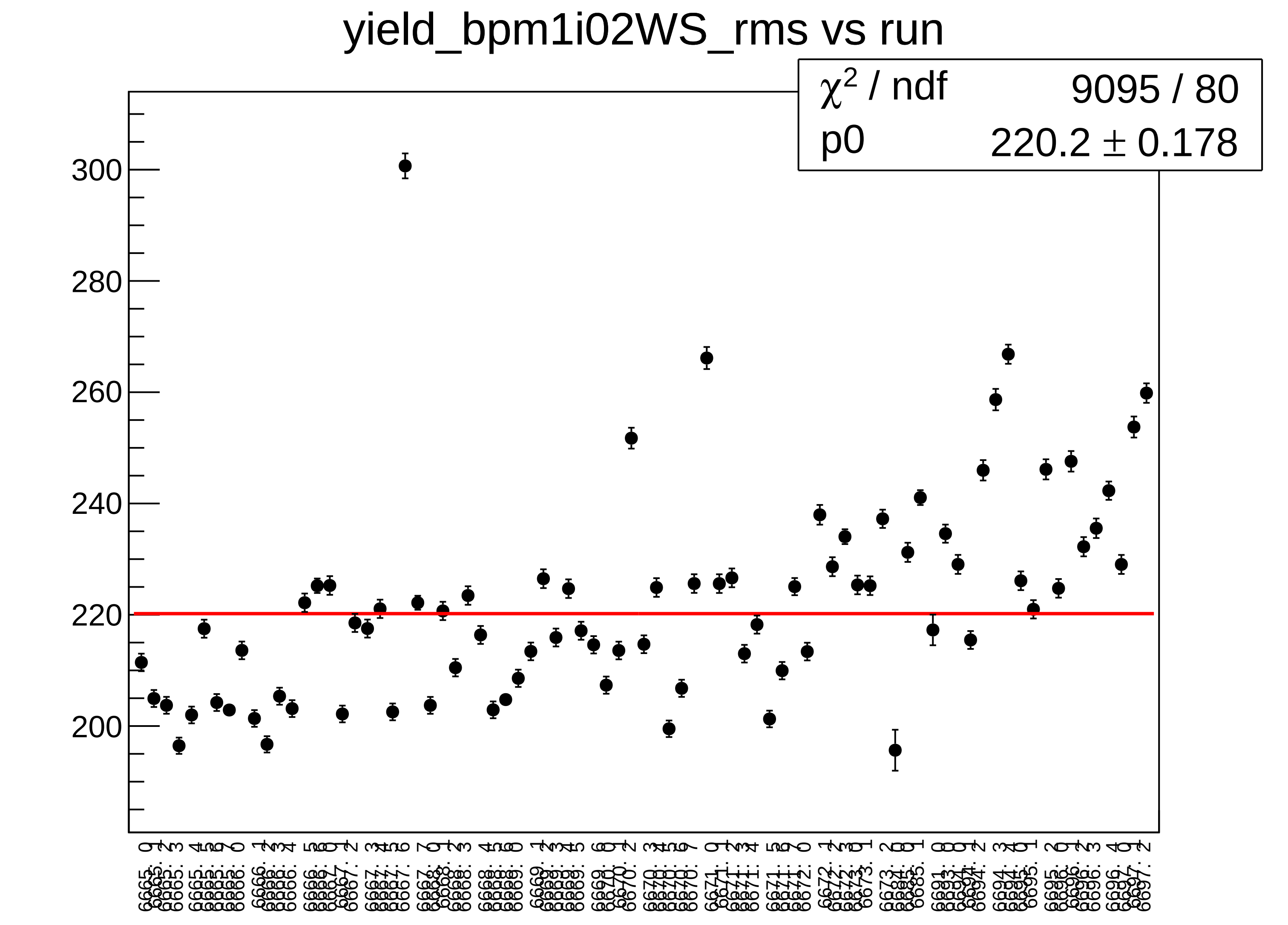

yield_bpm0i07WS_mean vs run
χ2 / ndf 2.775e+06 / 80
p0 1.532e+05 ± 0.2265
×10^3
154.2
154
153.8
153.6
153.4
153.2
153
pull
Entries 81
Mean 200.6
Std Dev 152.9
pull1D
Entries 81
Mean 1.871
Std Dev 0

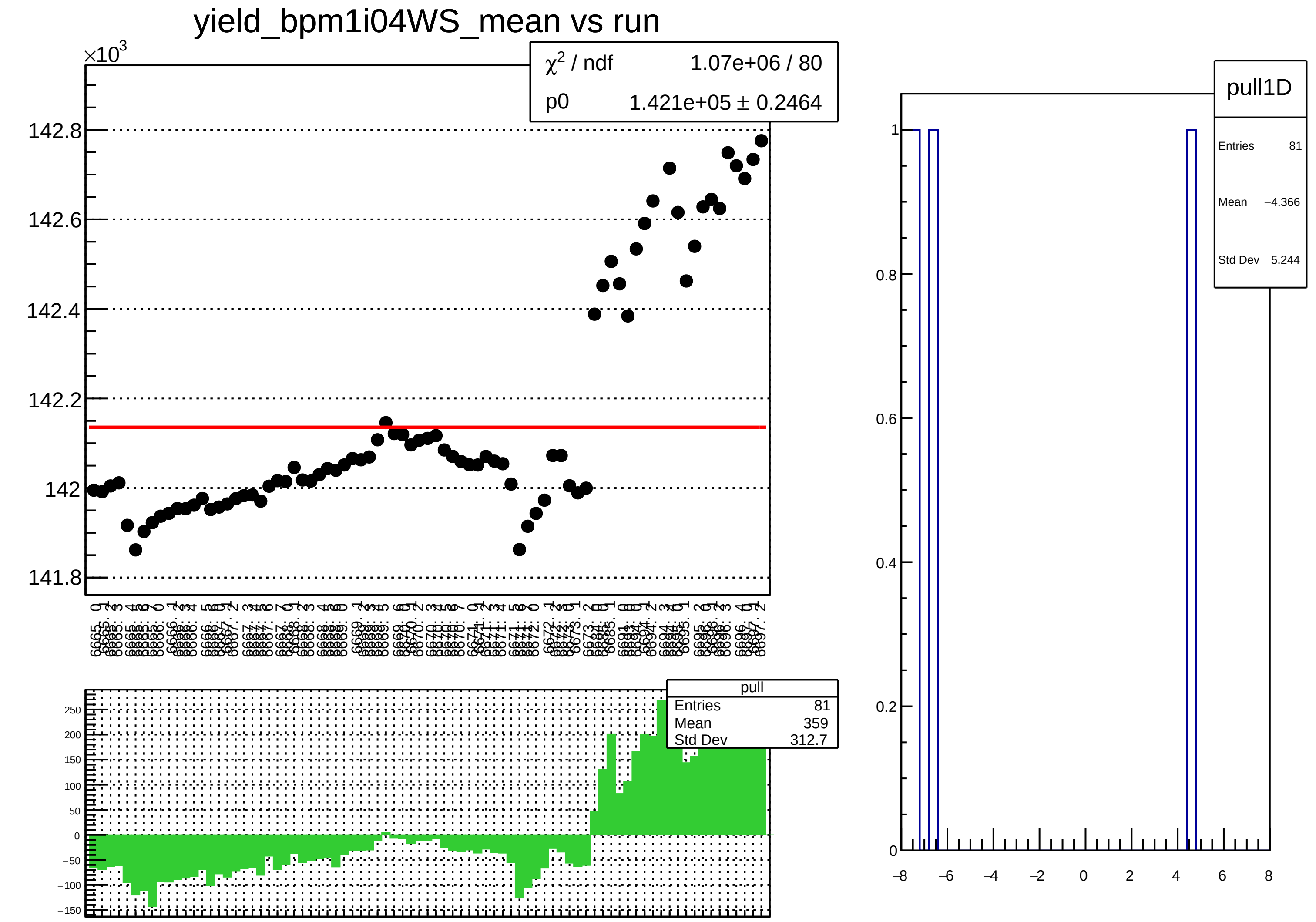


yield_bpm0i07WS_rms vs run
χ2 / ndf 3.357e+04 / 80
p0 196.5 ± 0.1601
350
300
250
200
150

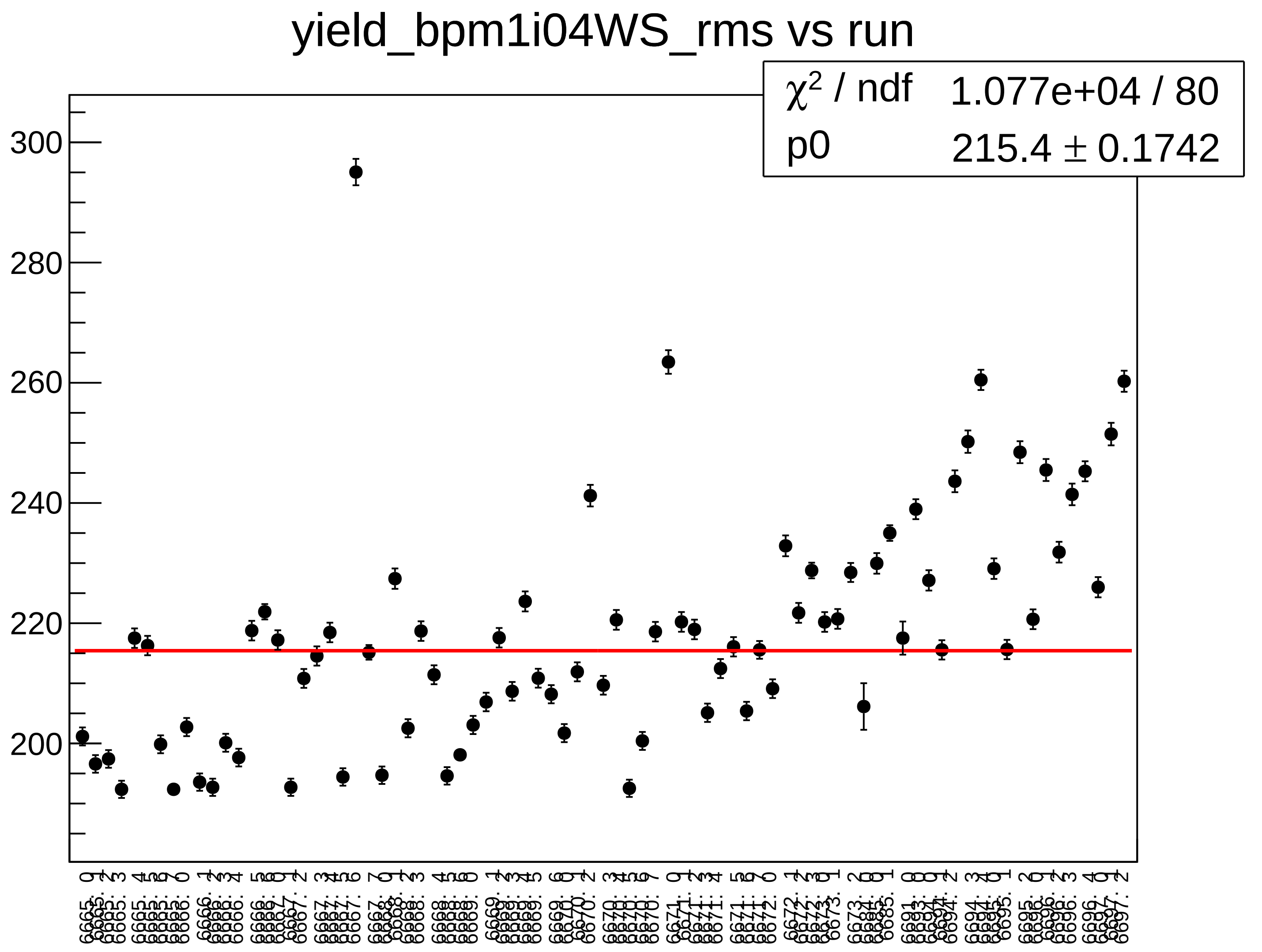


yield_bpm1i02WS_mean vs run
×10^3
χ2 / ndf 2.309e+05 / 80
p0 1.456e+05 ± 0.2517
145.8
145.7
145.6
145.5
145.4
145.3
145.2
145.1
pull
Entries 81
Mean 313.5
Std Dev 252.1
100
50
0
−50
−100
pull1D
Entries 81
Mean 2.474
Std Dev 4.856
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

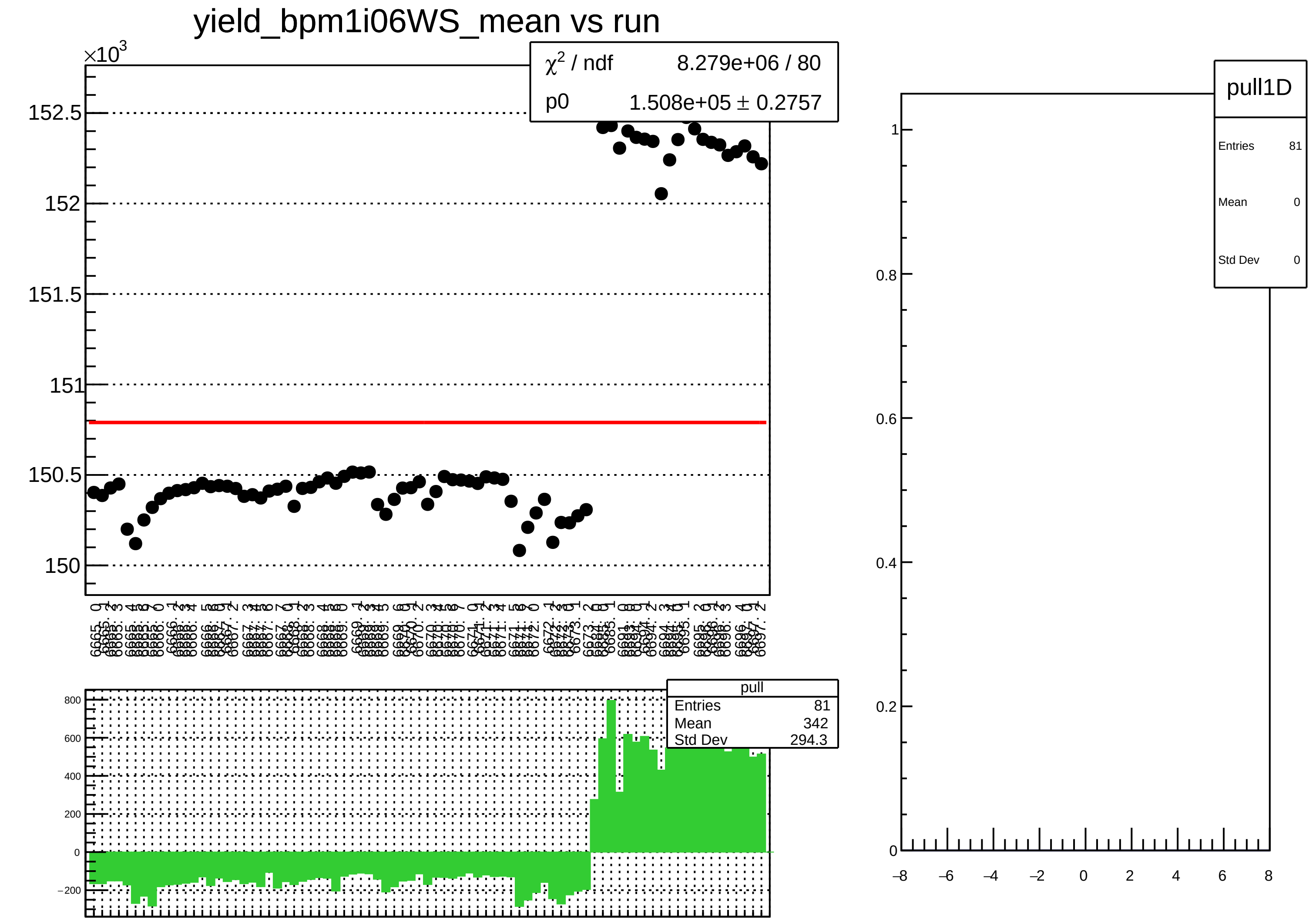

yield_bpm1i02WS_rms vs run
χ^2 / ndf 9095 / 80
p0 220.2 ± 0.178
300
280
260
240
220
200



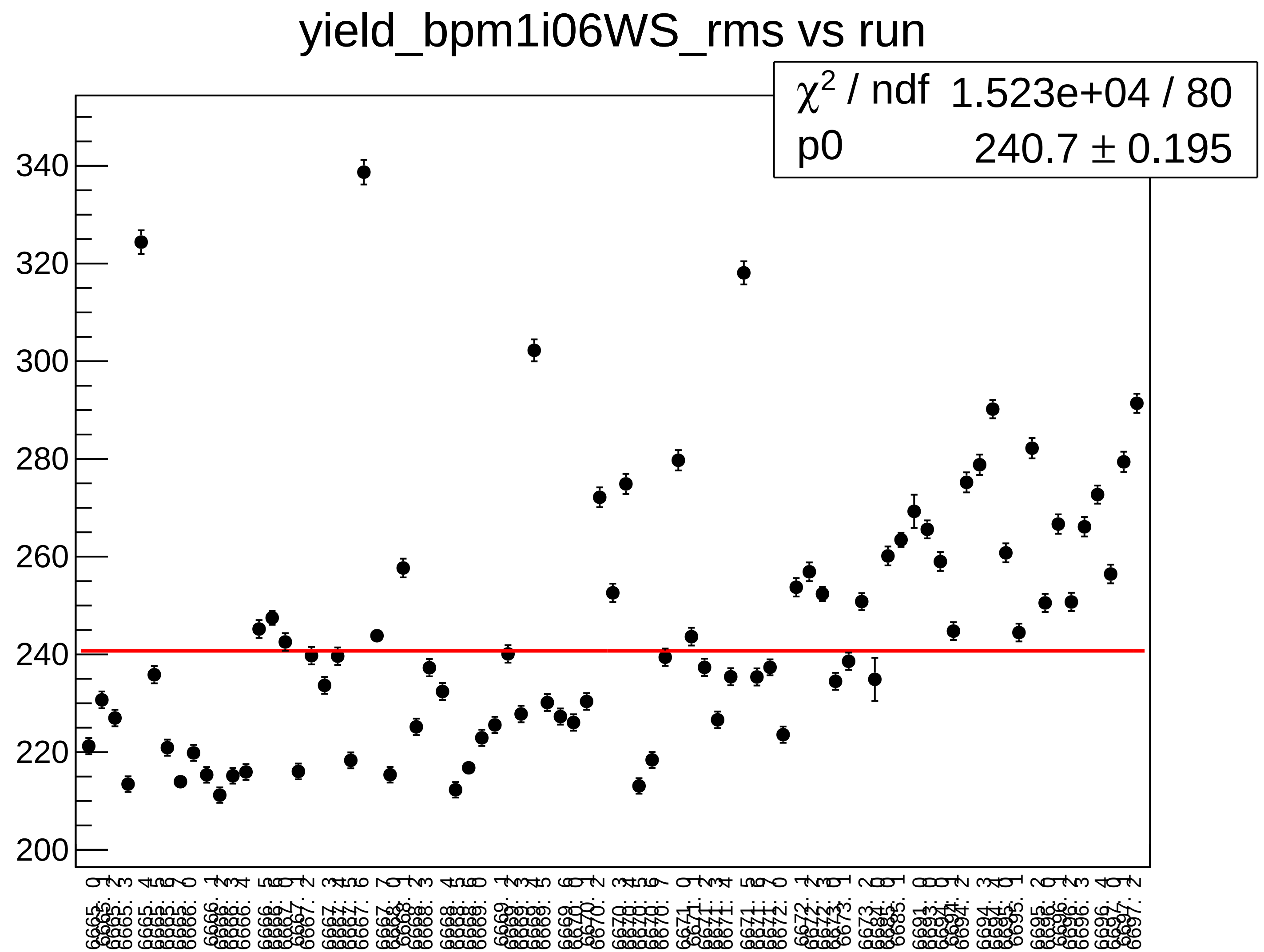
yield_bpm1i04WS_mean vs run
$\times10^3$
χ^2 / ndf 1.07e+06 / 80
p0 1.421e+05 ± 0.2464
142.8
142.6
142.4
142.2
142
141.8
pull
Entries 81
Mean 359
Std Dev 312.7
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 81
Mean −4.366
Std Dev 5.244
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

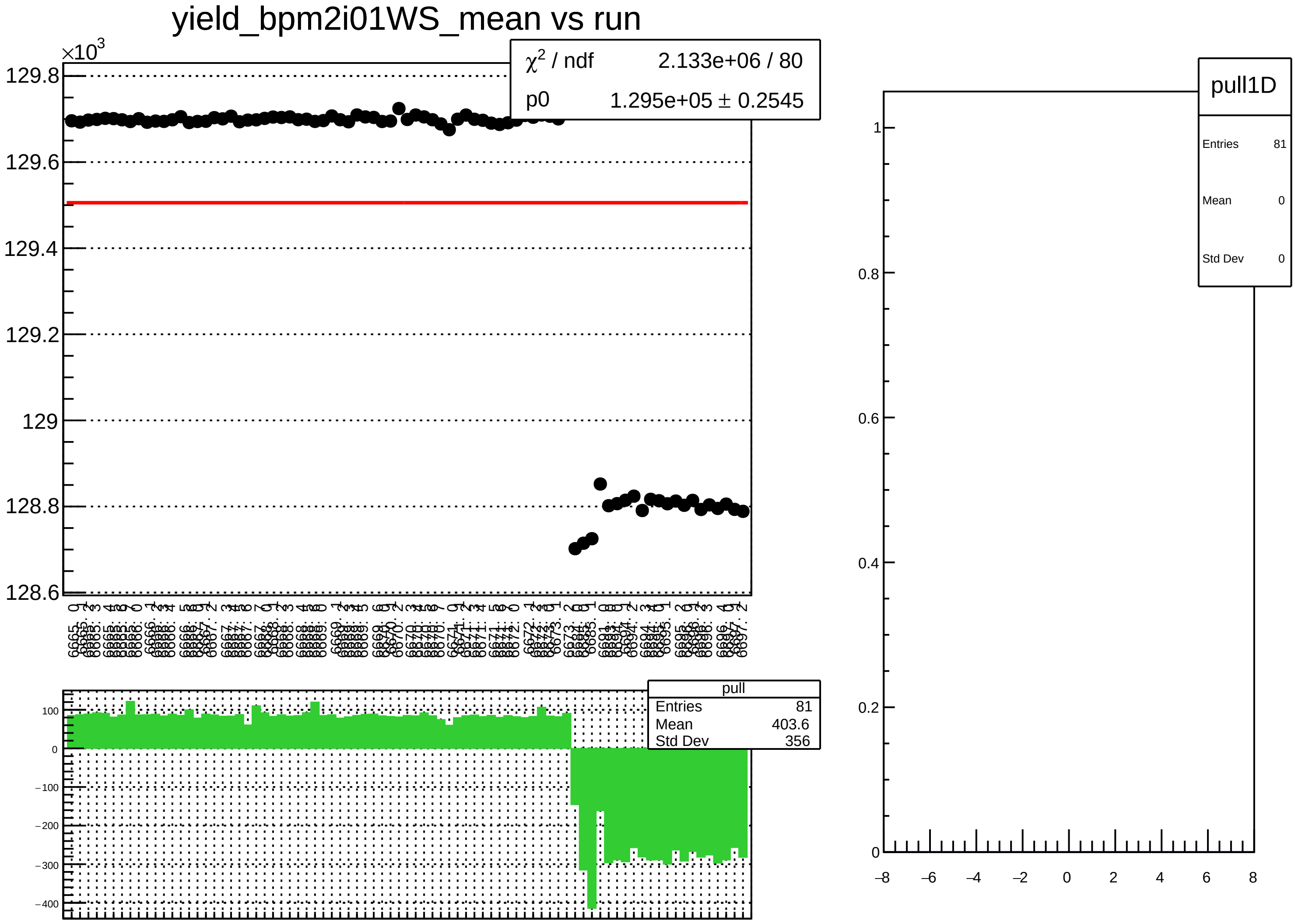


yield_bpm1i04WS_rms vs run
χ^2 / ndf 1.077e+04 / 80
p0 215.4 ± 0.1742
300
280
260
240
220
200

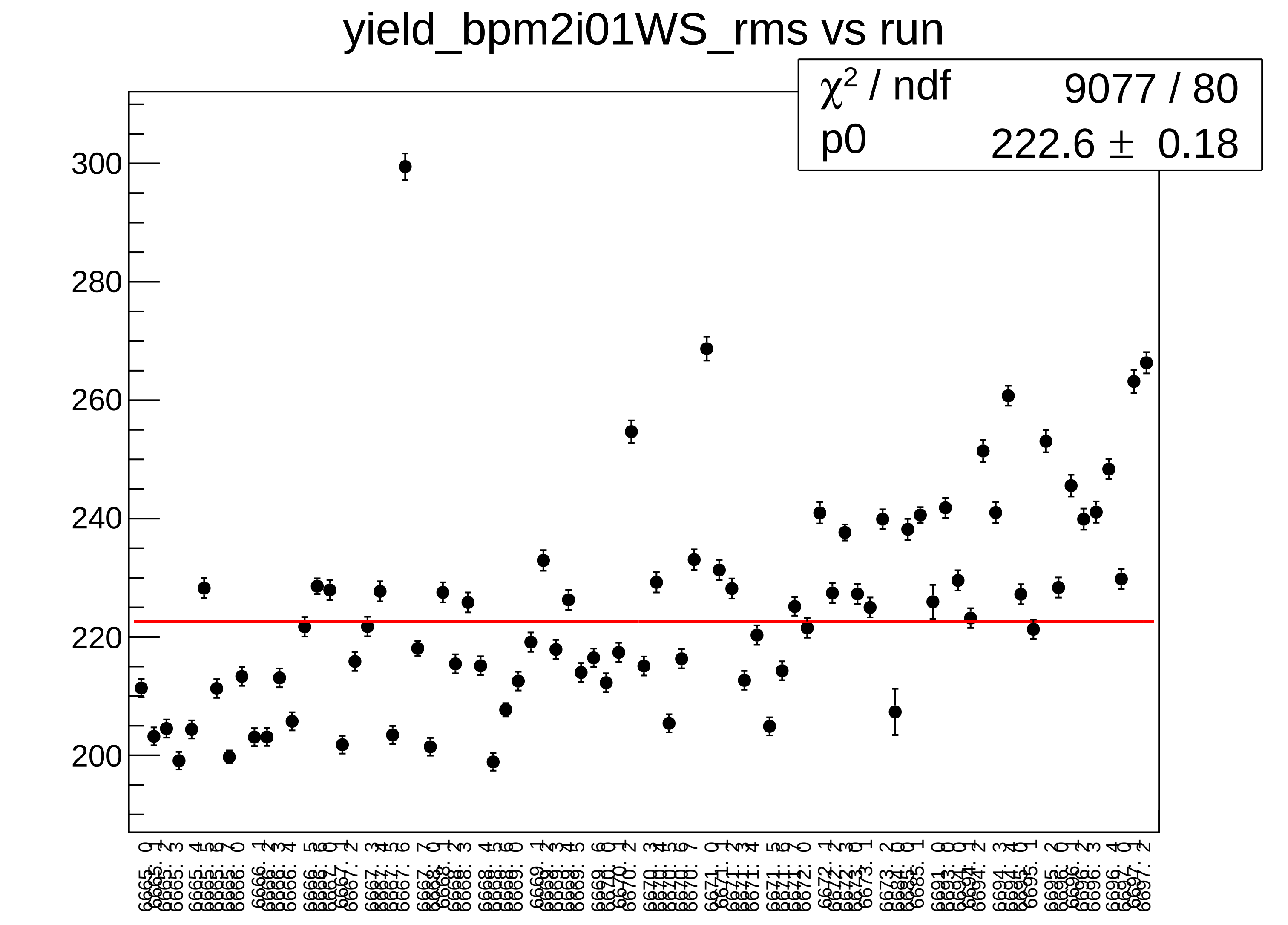


yield_bpm1i06WS_mean vs run
×10^3
χ^2 / ndf 8.279e+06 / 80
p0 1.508e+05 ± 0.2757
152.5
152
151.5
151
150.5
150
pull
Entries 81
Mean 342
Std Dev 294.3
800
600
400
200
0
−200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

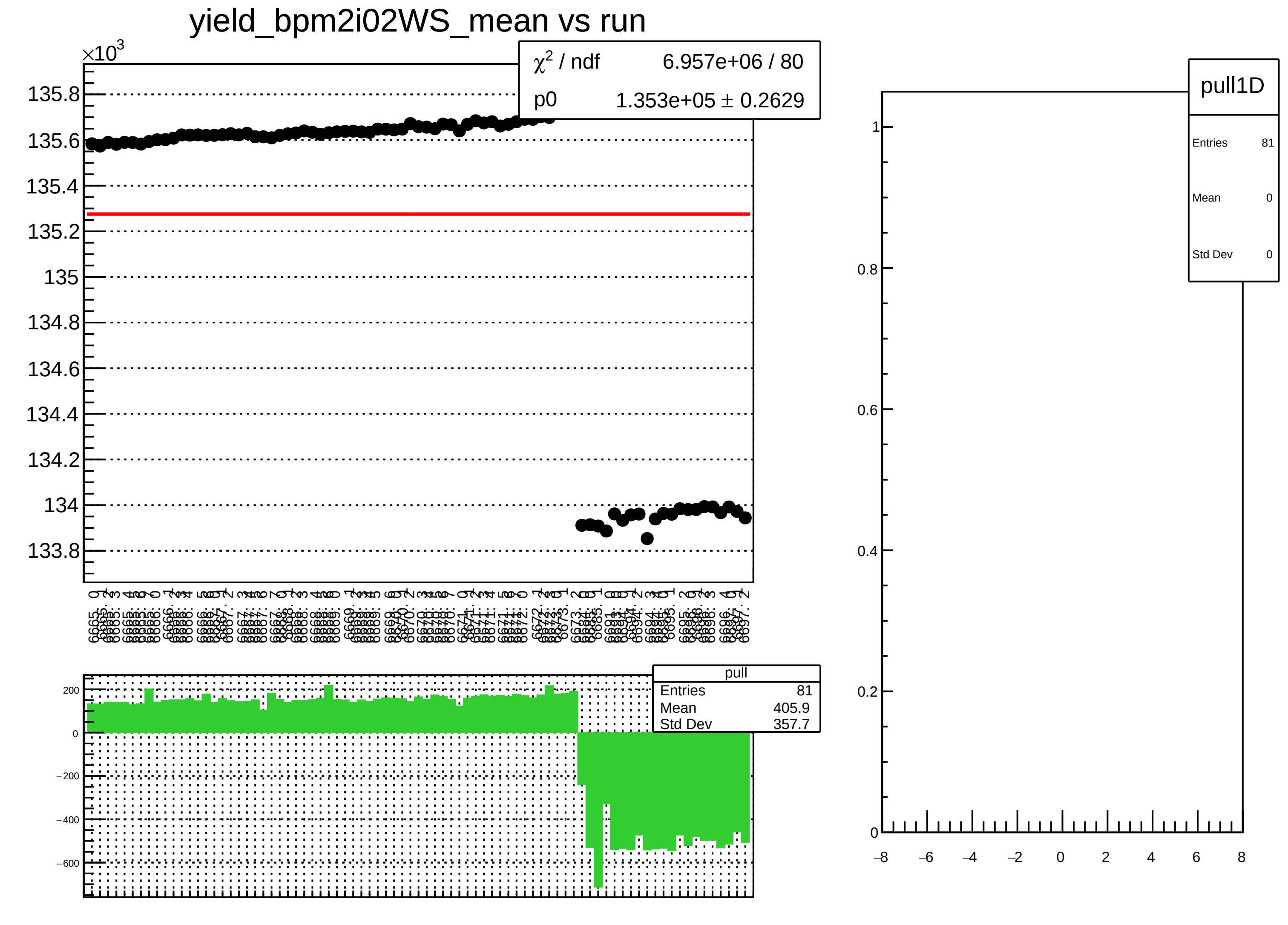

yield_bpm1i06WS_rms vs run
χ^2 / ndf 1.523e+04 / 80
p0 240.7 ± 0.195

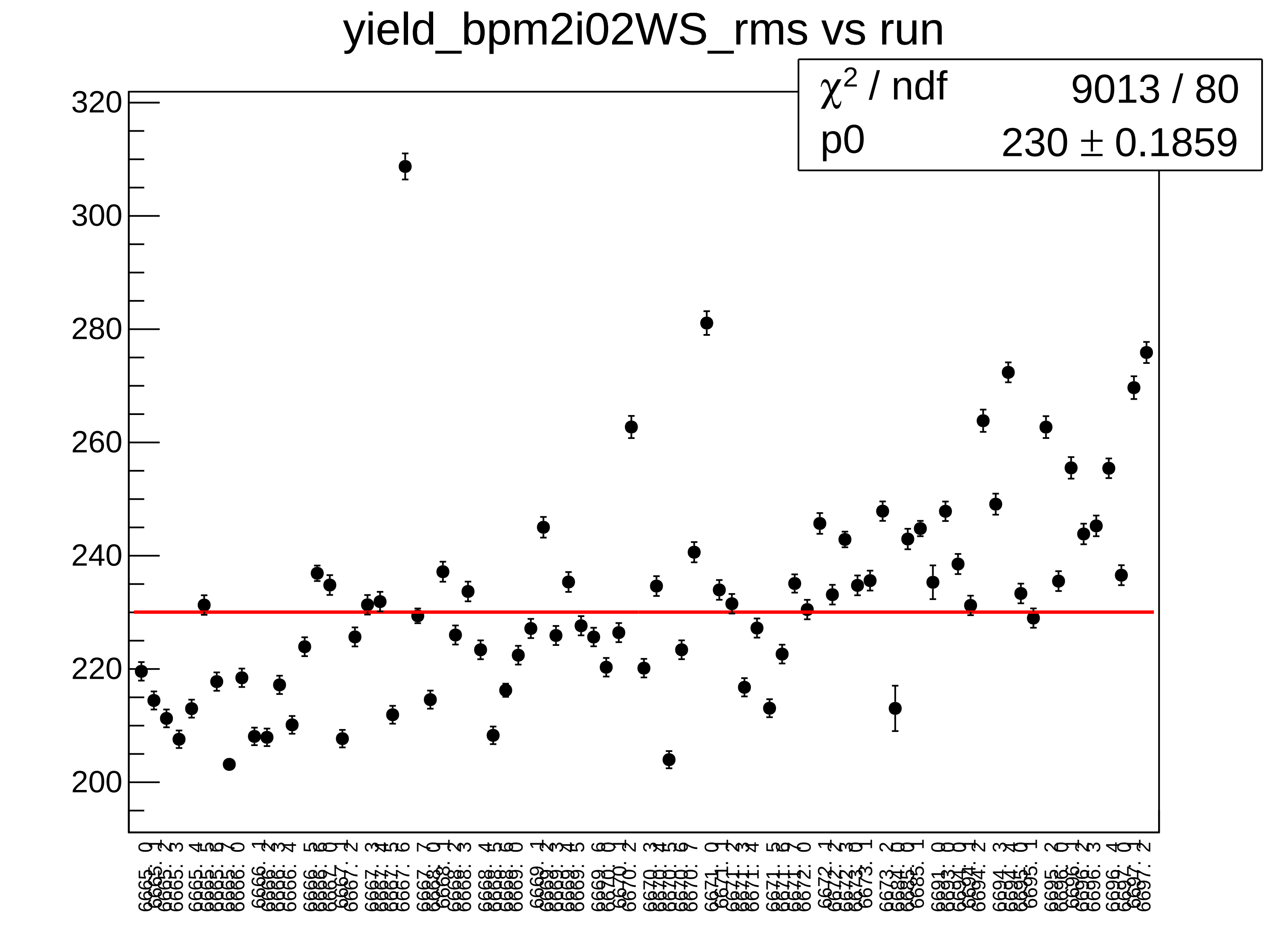


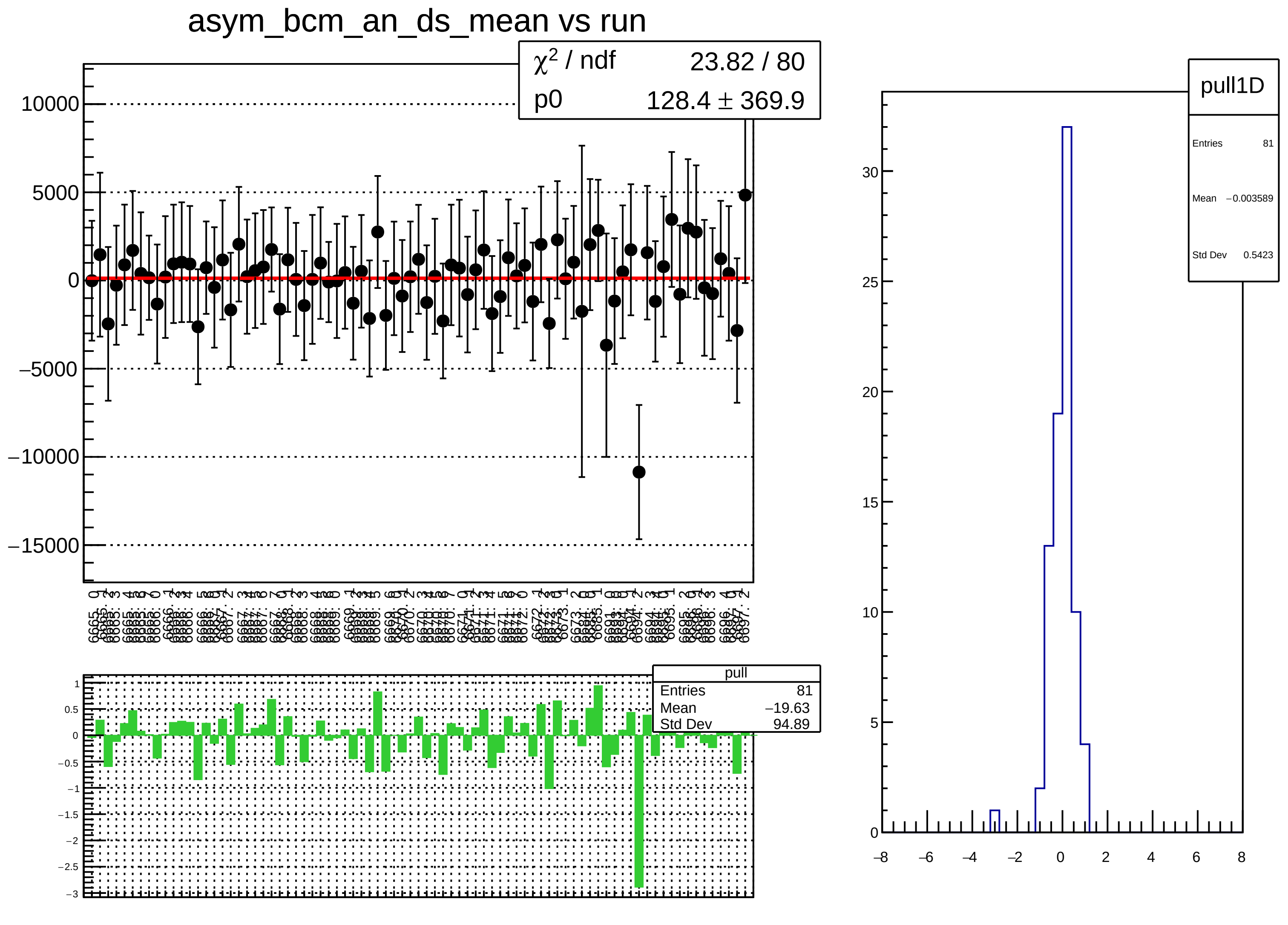
yield_bpm2i01WS_mean vs run
×10^3
χ^2 / ndf 2.133e+06 / 80
p0 1.295e+05 ± 0.2545
pull
Entries 81
Mean 403.6
Std Dev 356
pull1D
Entries 81
Mean 0
Std Dev 0



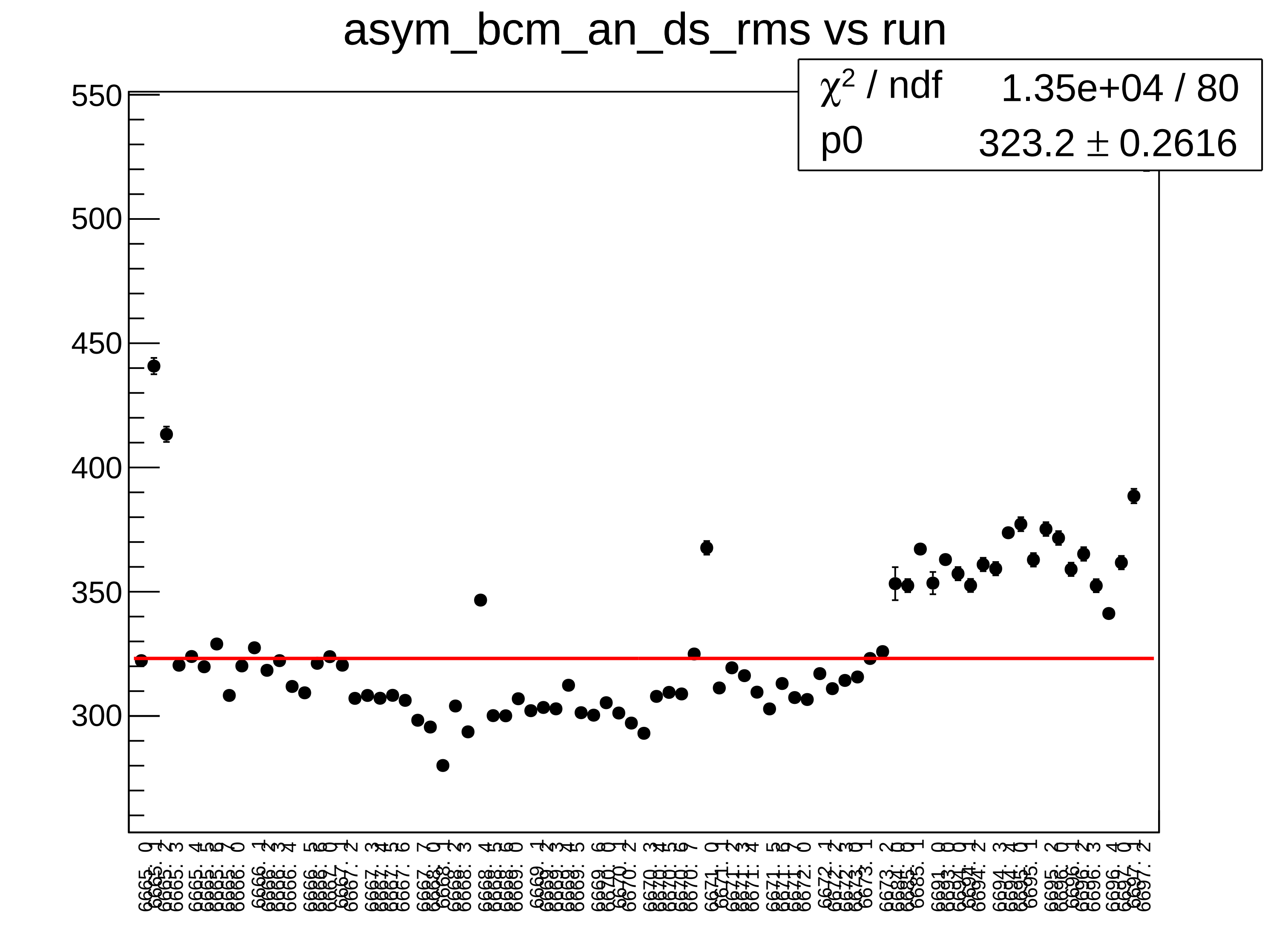
yield_bpm2i01WS_rms vs run
χ^2 / ndf 9077 / 80
p0 222.6 ± 0.18
300
280
260
240
220
200

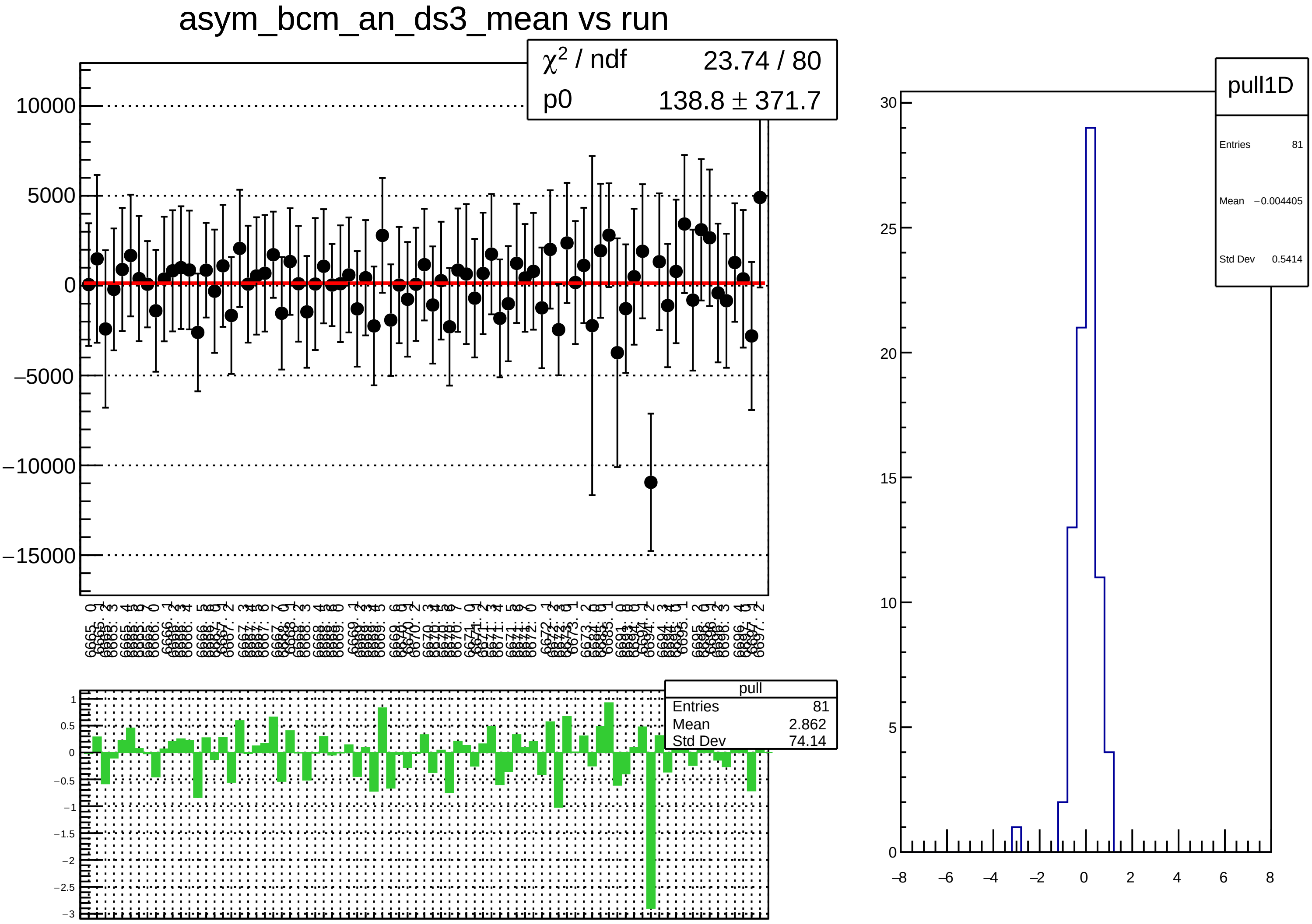

yield_bpm2i02WS_mean vs run
χ² / ndf 6.957e+06 / 80
p0 1.353e+05 ± 0.2629
pull
Entries 81
Mean 405.9
Std Dev 357.7
pull1D
Entries 81
Mean 0
Std Dev 0


yield_bpm2i02WS_rms vs run
χ2 / ndf 9013 / 80
p0 230 ± 0.1859
320
300
280
260
240
220
200

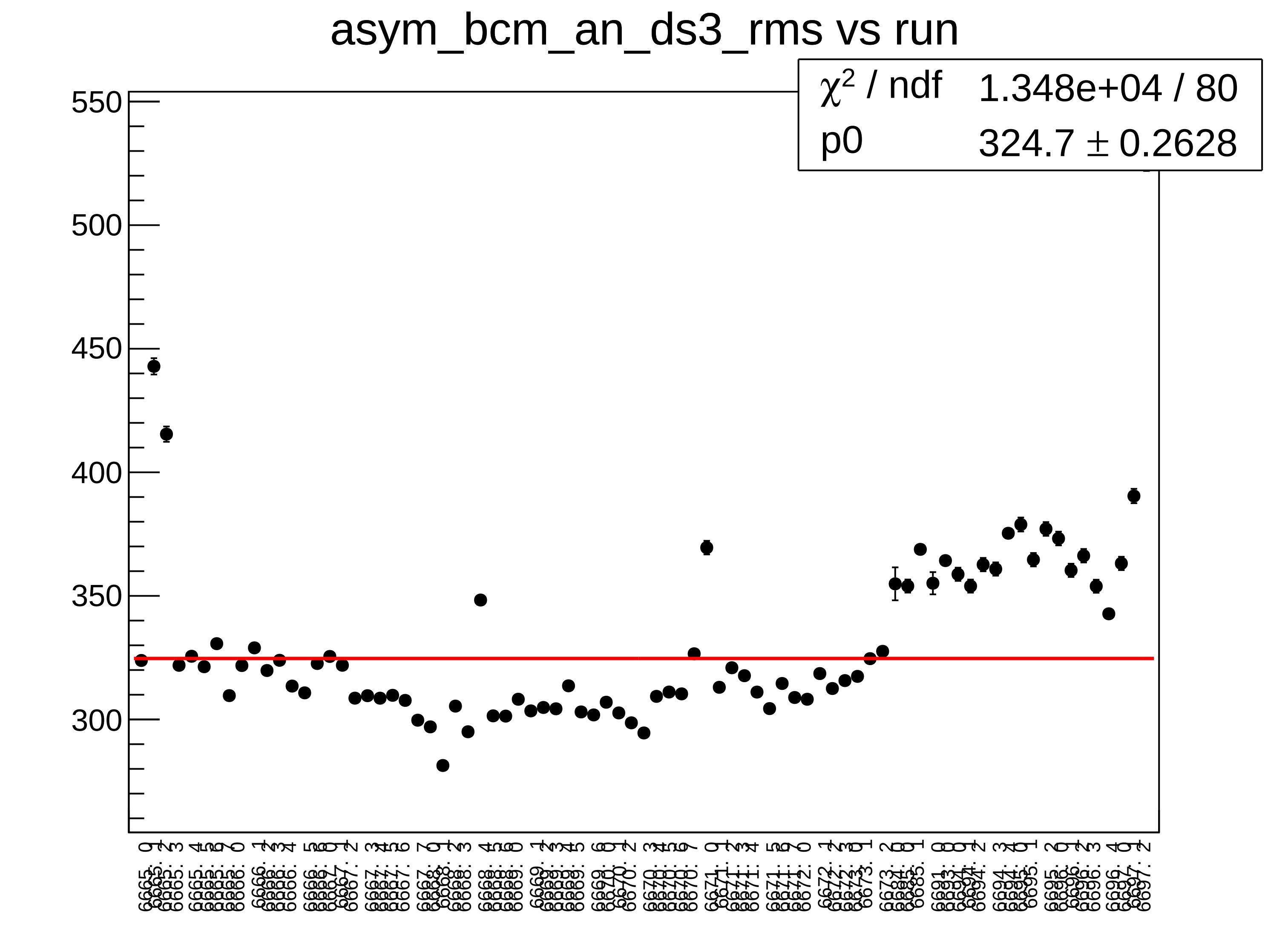


asym_bcm_an_ds_mean vs run
χ^2 / ndf 23.82 / 80
p0 128.4 ± 369.9
pull
Entries 81
Mean −19.63
Std Dev 94.89
pull1D
Entries 81
Mean −0.003589
Std Dev 0.5423

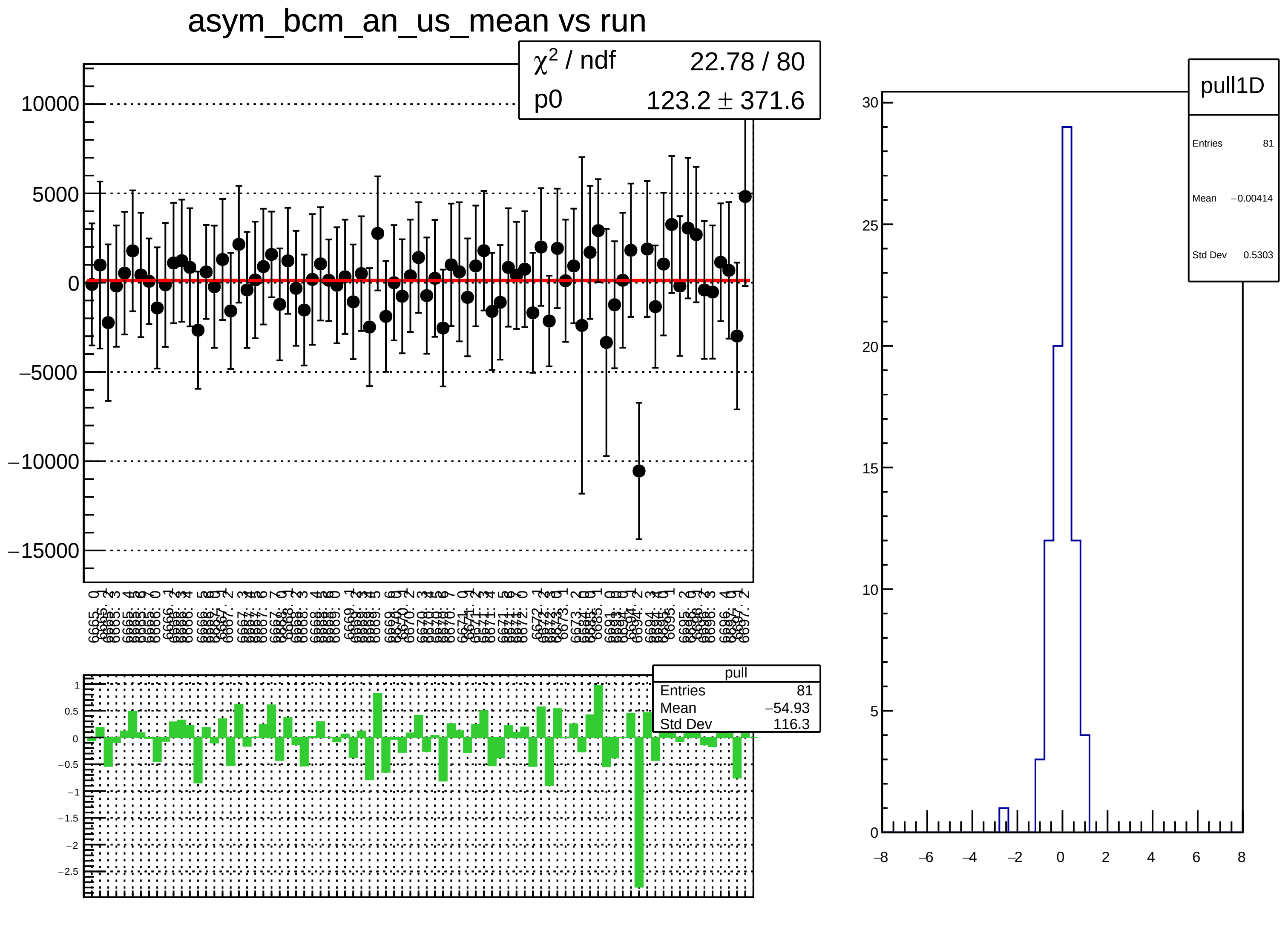

asym_bcm_an_ds_rms vs run
χ2 / ndf 1.35e+04 / 80
p0 323.2 ± 0.2616
550
500
450
400
350
300



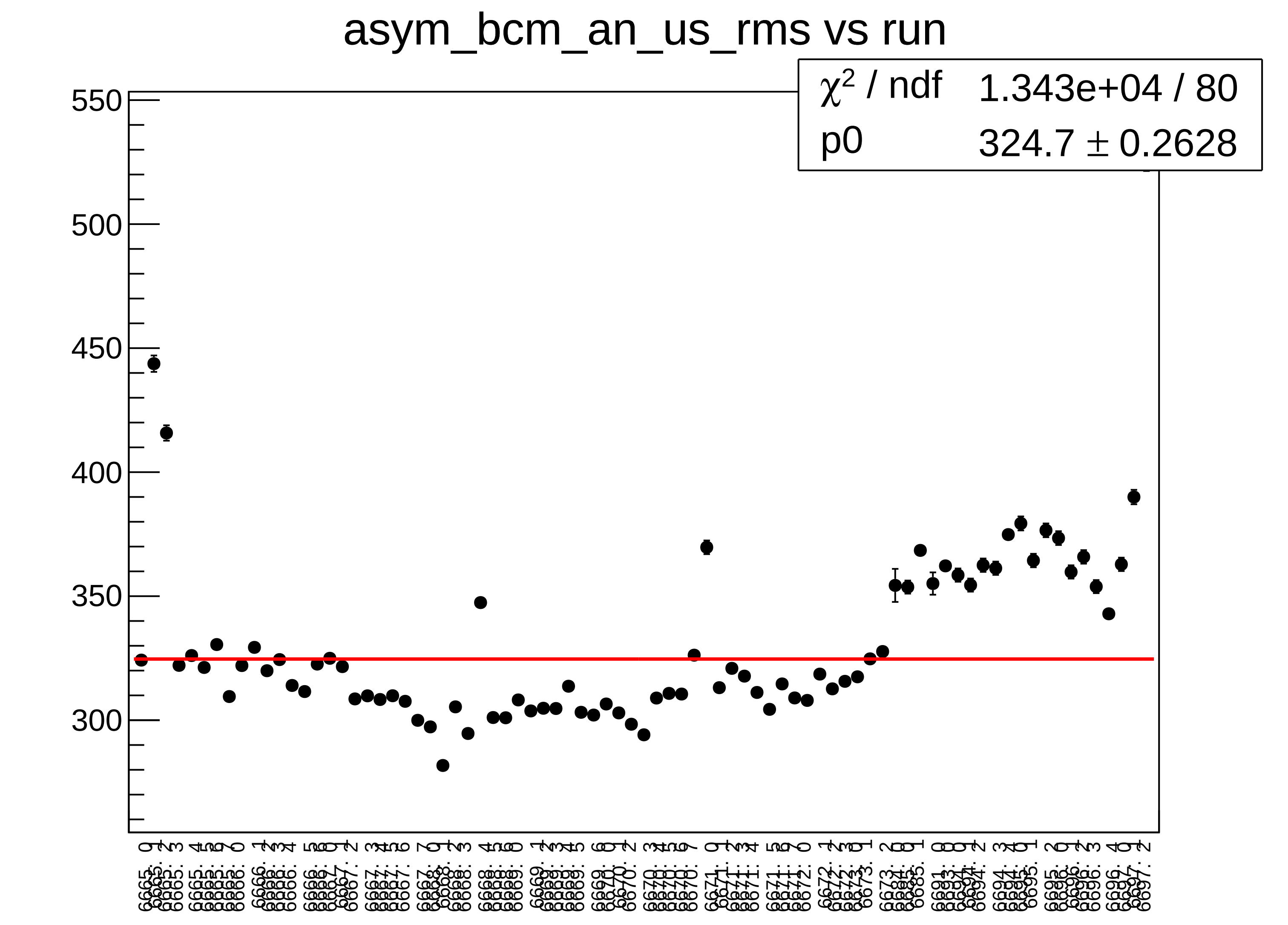
asym_bcm_an_ds3_mean vs run
χ^2 / ndf 23.74 / 80
p0 138.8 ± 371.7
pull
Entries 81
Mean 2.862
Std Dev 74.14
pull1D
Entries 81
Mean −0.004405
Std Dev 0.5414



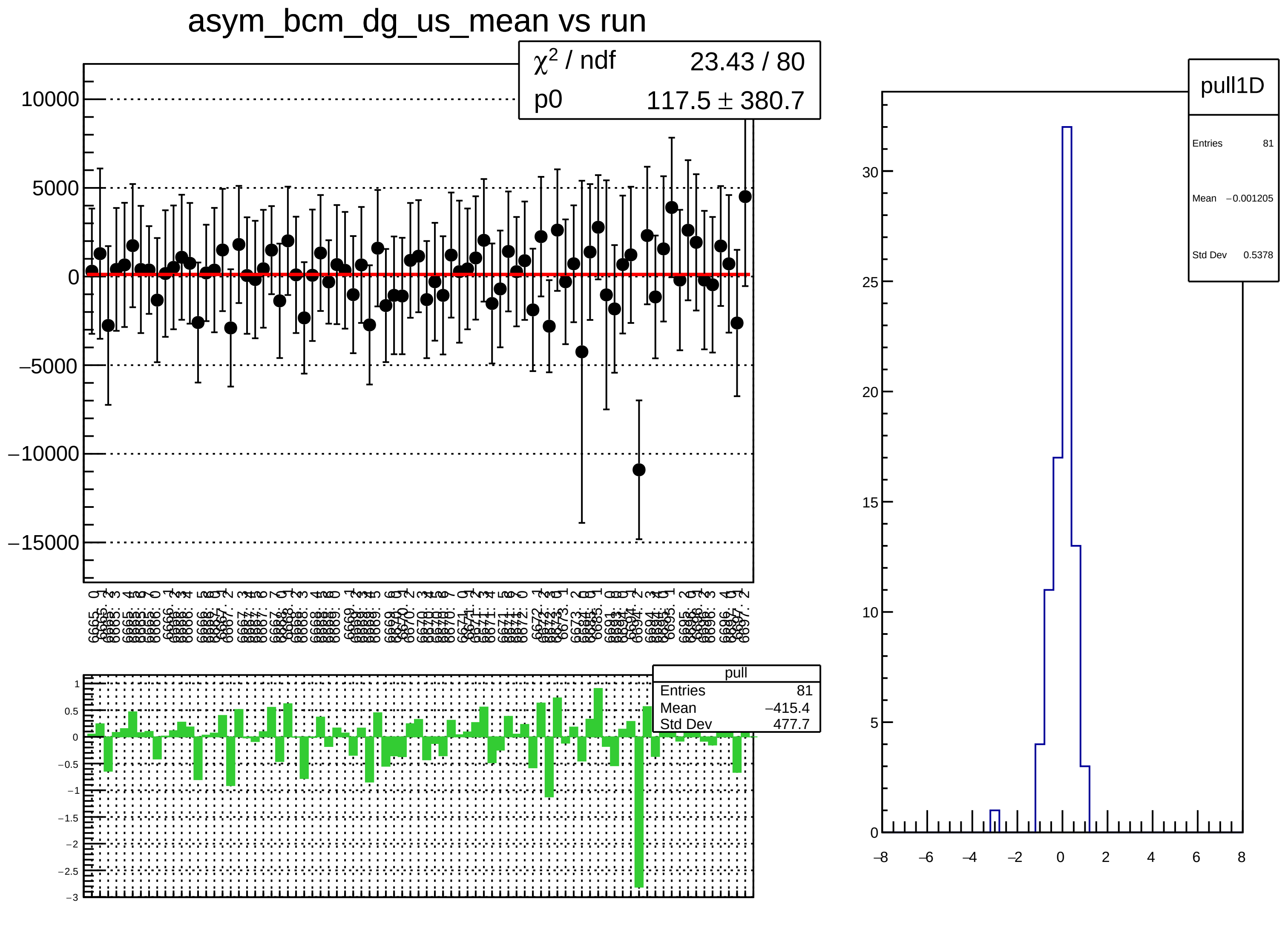
asym_bcm_an_ds3_rms vs run
χ^2 / ndf 1.348e+04 / 80
p0 324.7 ± 0.2628
550
500
450
400
350
300



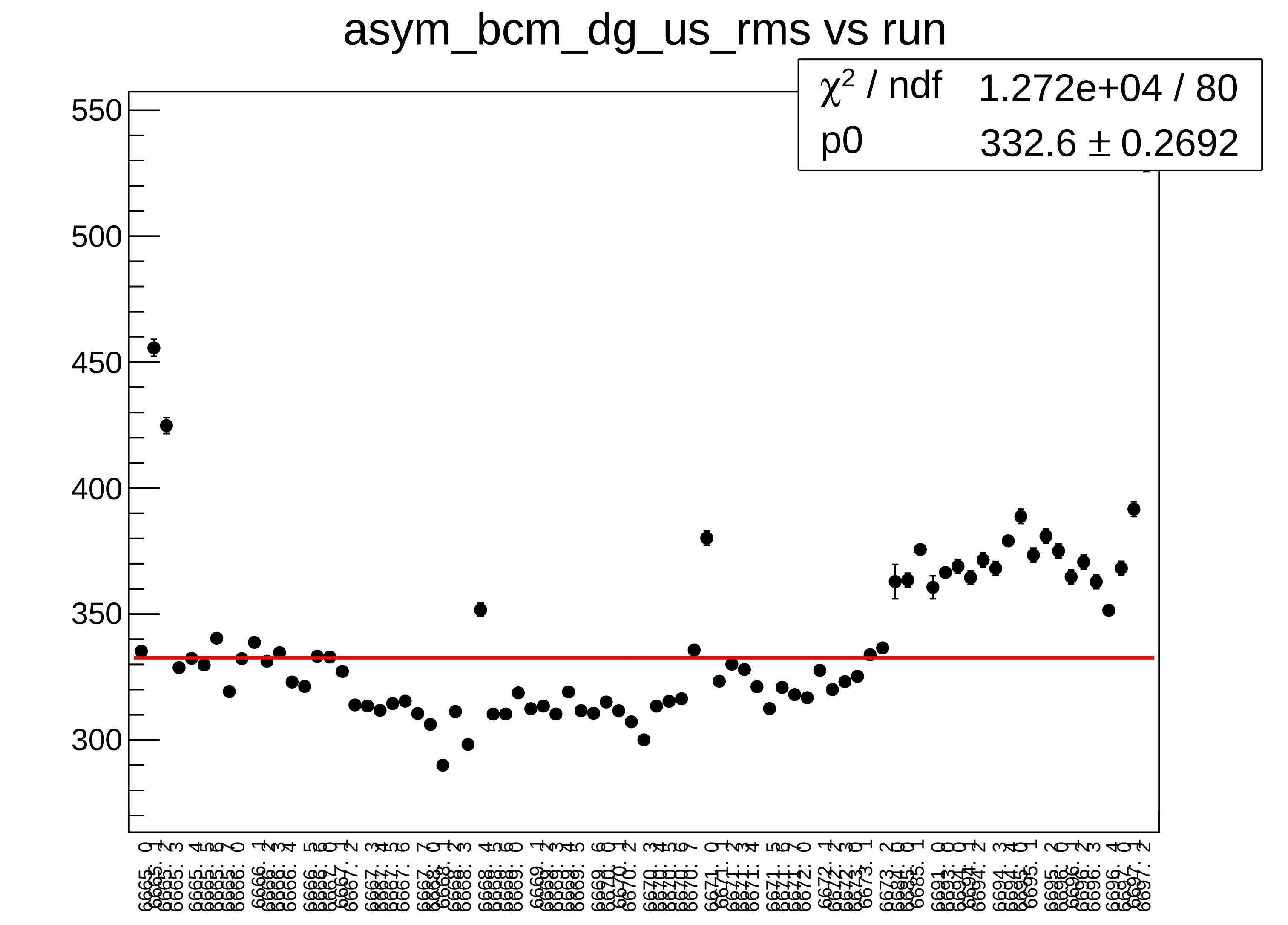
asym_bcm_an_us_mean vs run
χ2 / ndf 22.78 / 80
p0 123.2 ± 371.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −54.93
Std Dev 116.3
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean −0.00414
Std Dev 0.5303
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



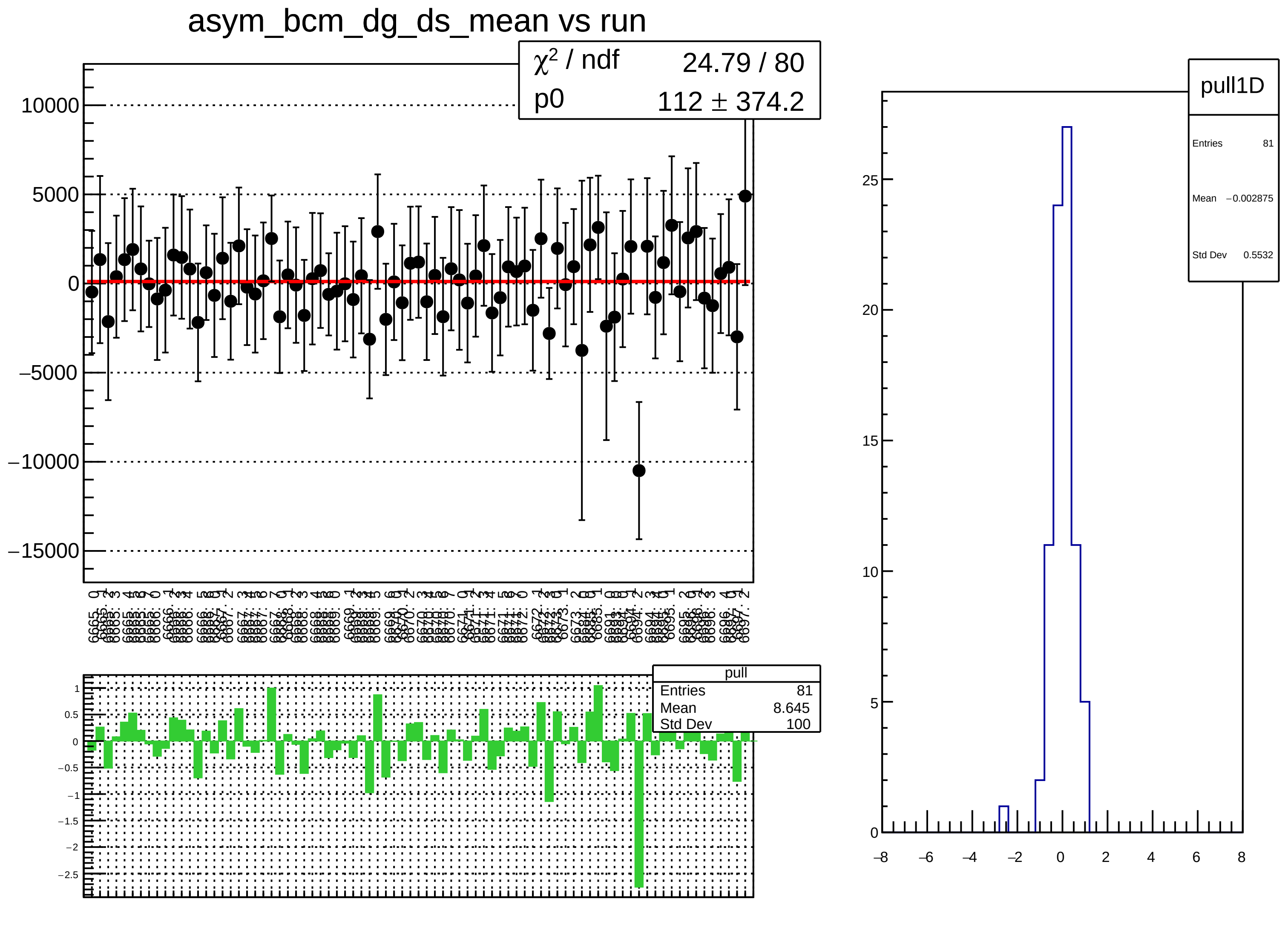
asym_bcm_an_us_rms vs run
χ² / ndf 1.343e+04 / 80
p0 324.7 ± 0.2628
550
500
450
400
350
300



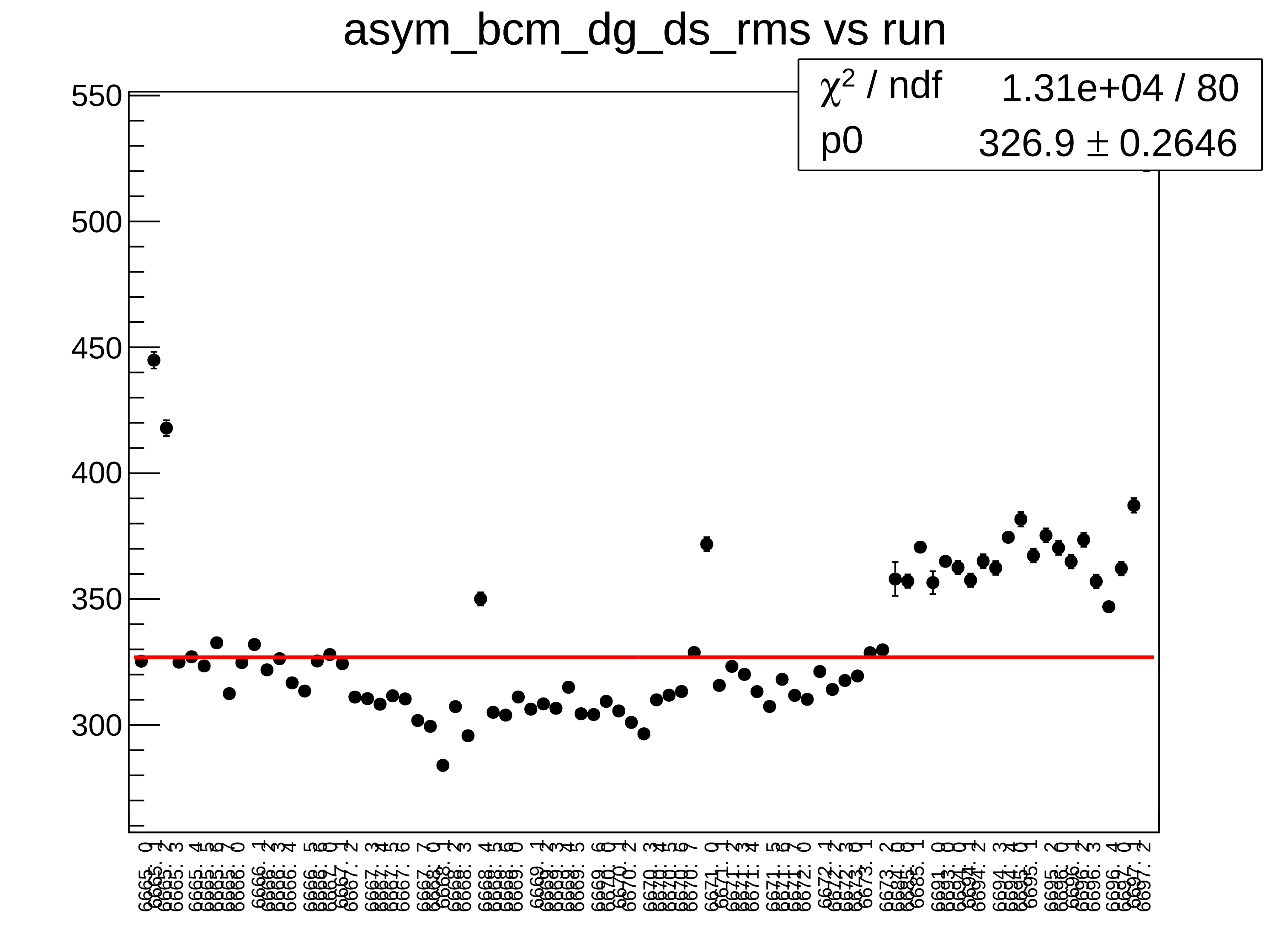
asym_bcm_dg_us_mean vs run
χ^2 / ndf 23.43 / 80
p0 117.5 ± 380.7
pull
Entries 81
Mean −415.4
Std Dev 477.7
pull1D
Entries 81
Mean −0.001205
Std Dev 0.5378



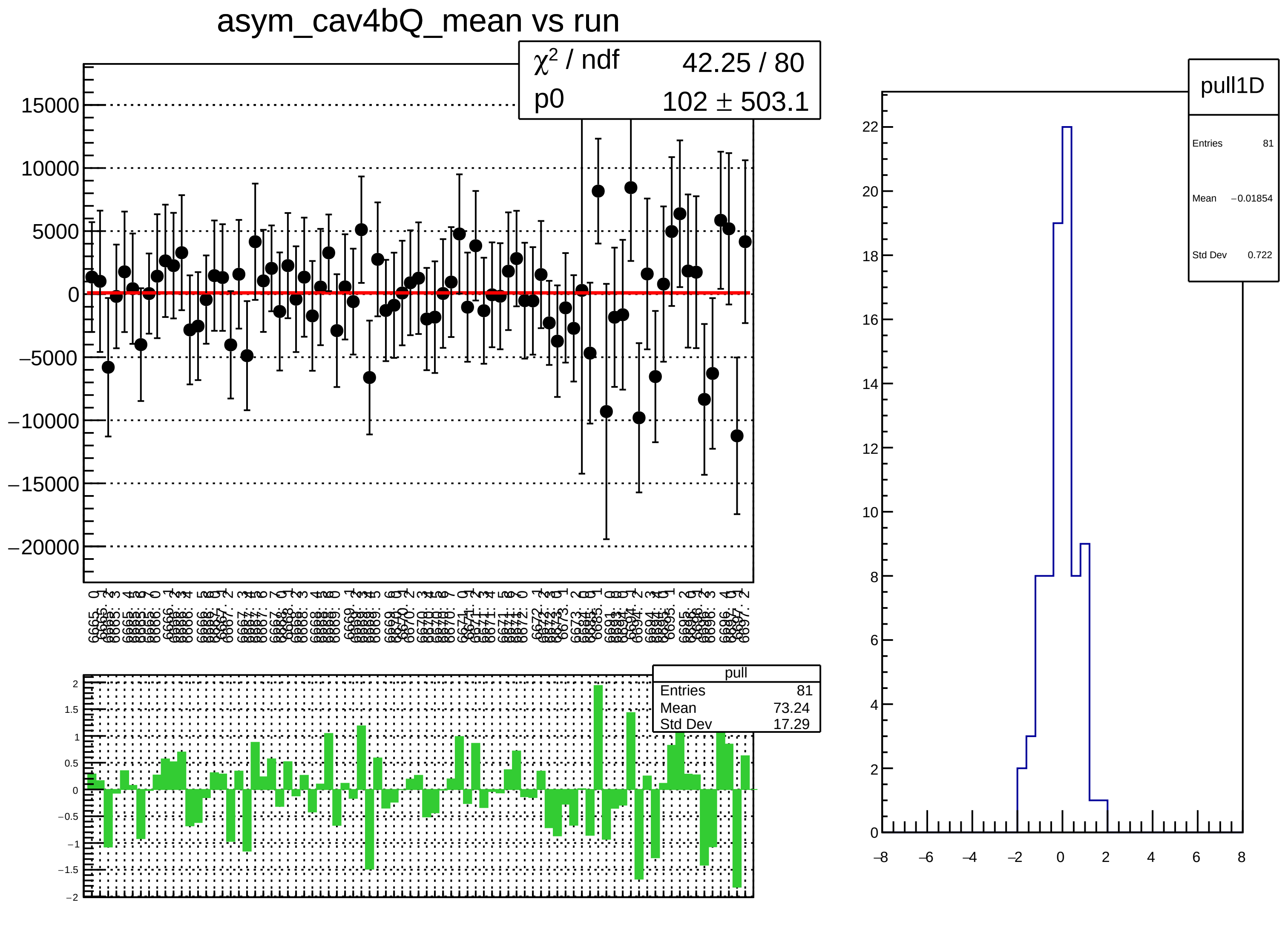
asym_bcm_dg_us_rms vs run
χ2 / ndf 1.272e+04 / 80
p0 332.6 ± 0.2692
550
500
450
400
350
300

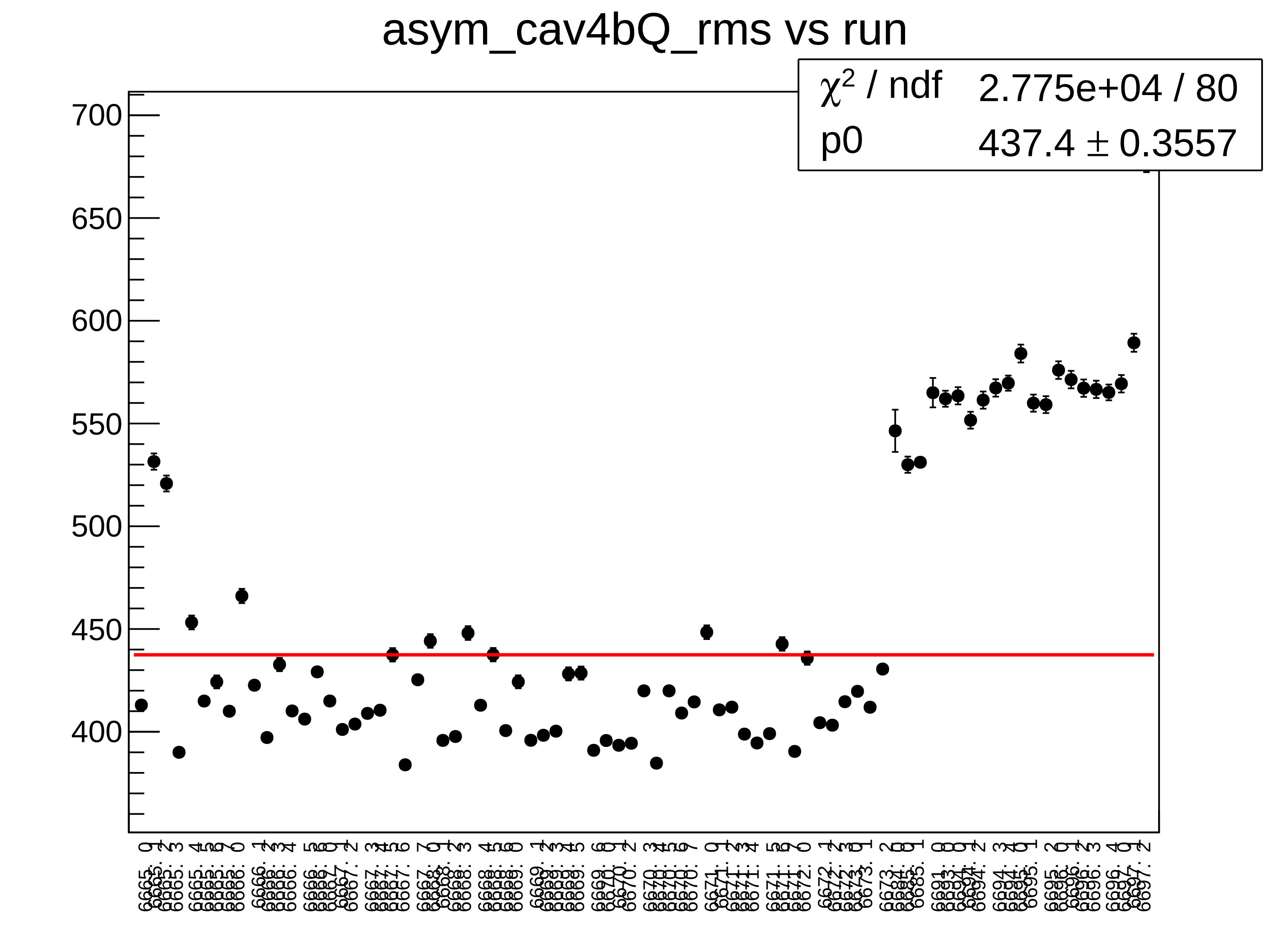


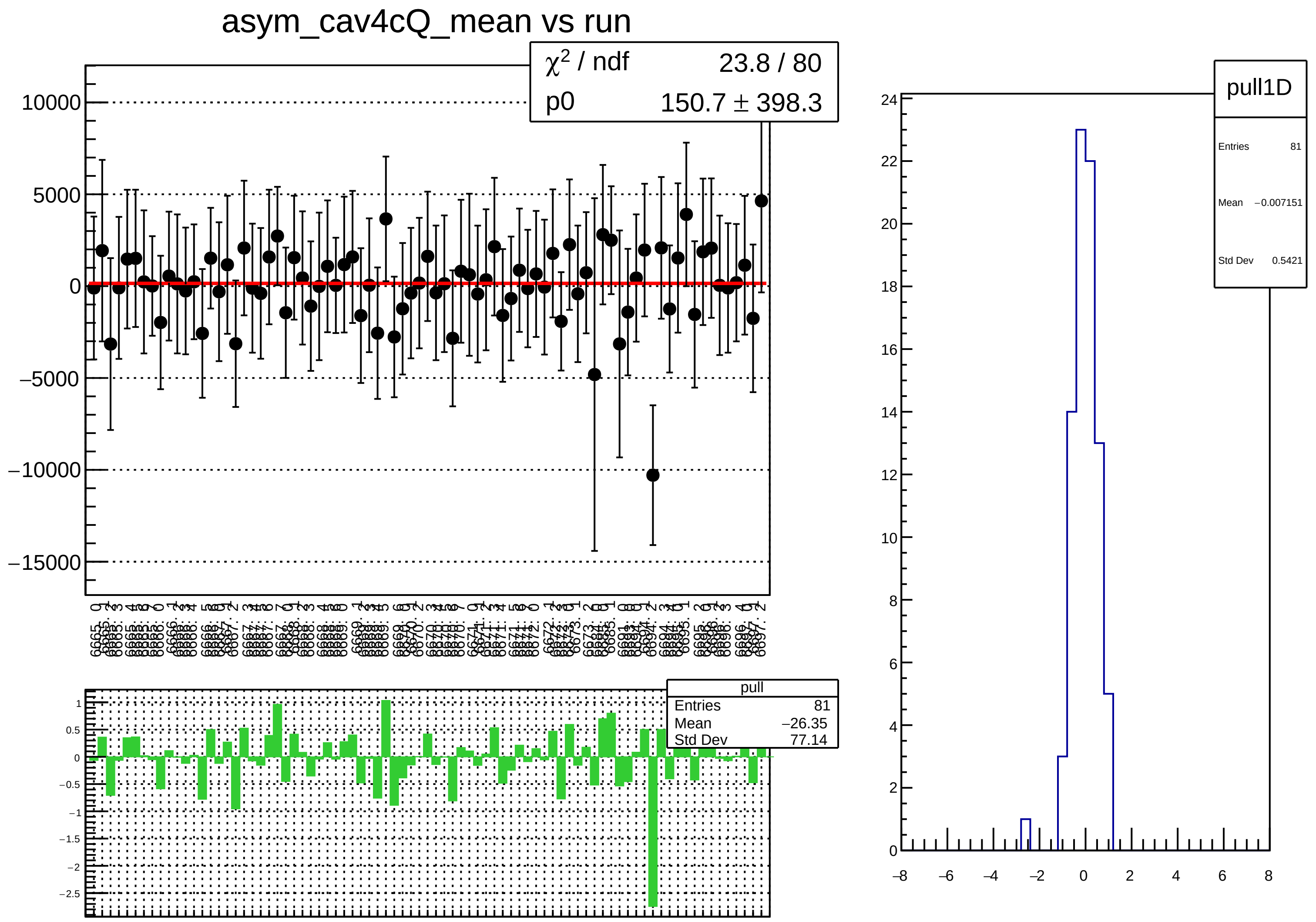
asym_bcm_dg_ds_mean vs run
χ2 / ndf 24.79 / 80
p0 112 ± 374.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 8.645
Std Dev 100
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean −0.002875
Std Dev 0.5532
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

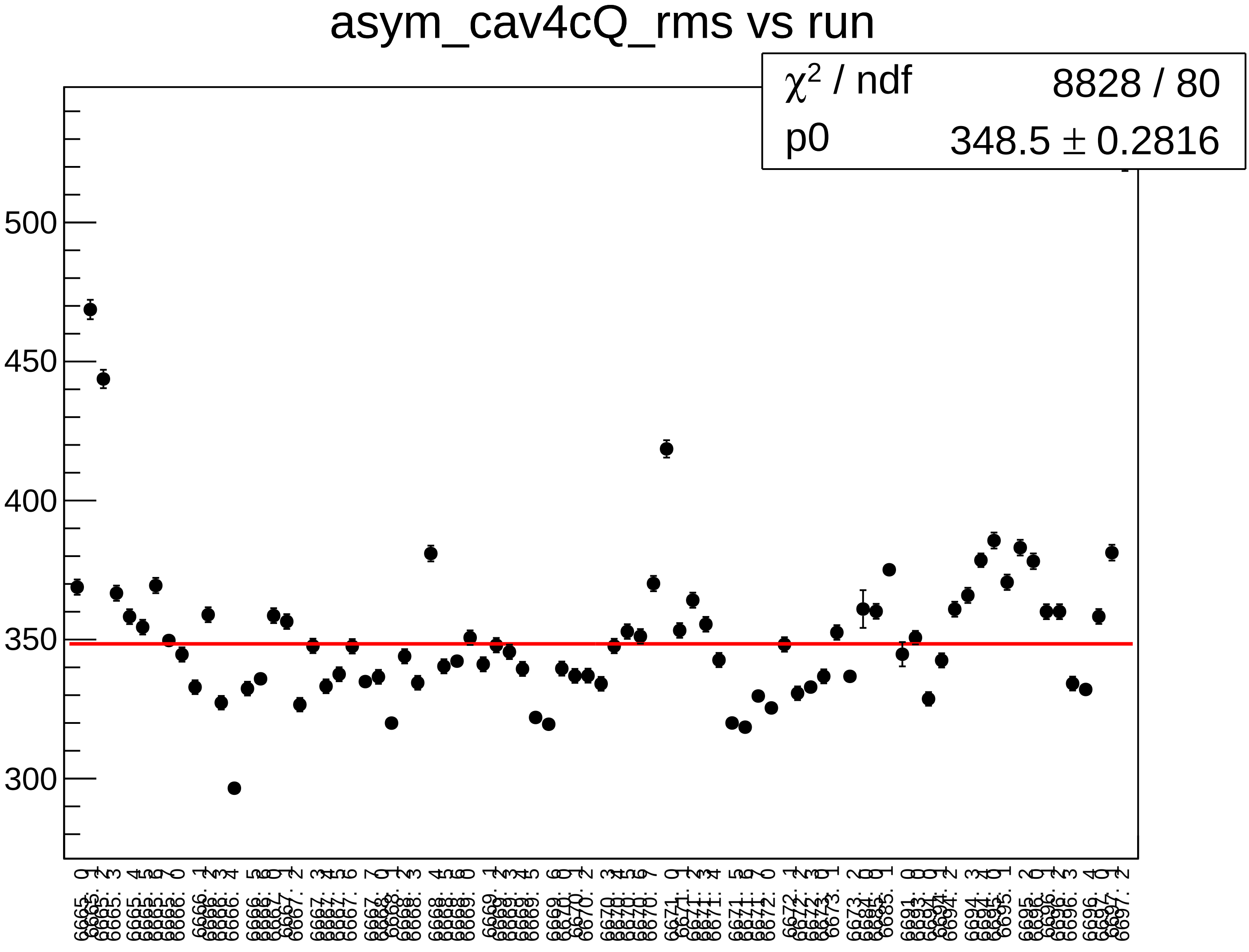


asym_bcm_dg_ds_rms vs run
χ^2 / ndf 1.31e+04 / 80
p0 326.9 ± 0.2646

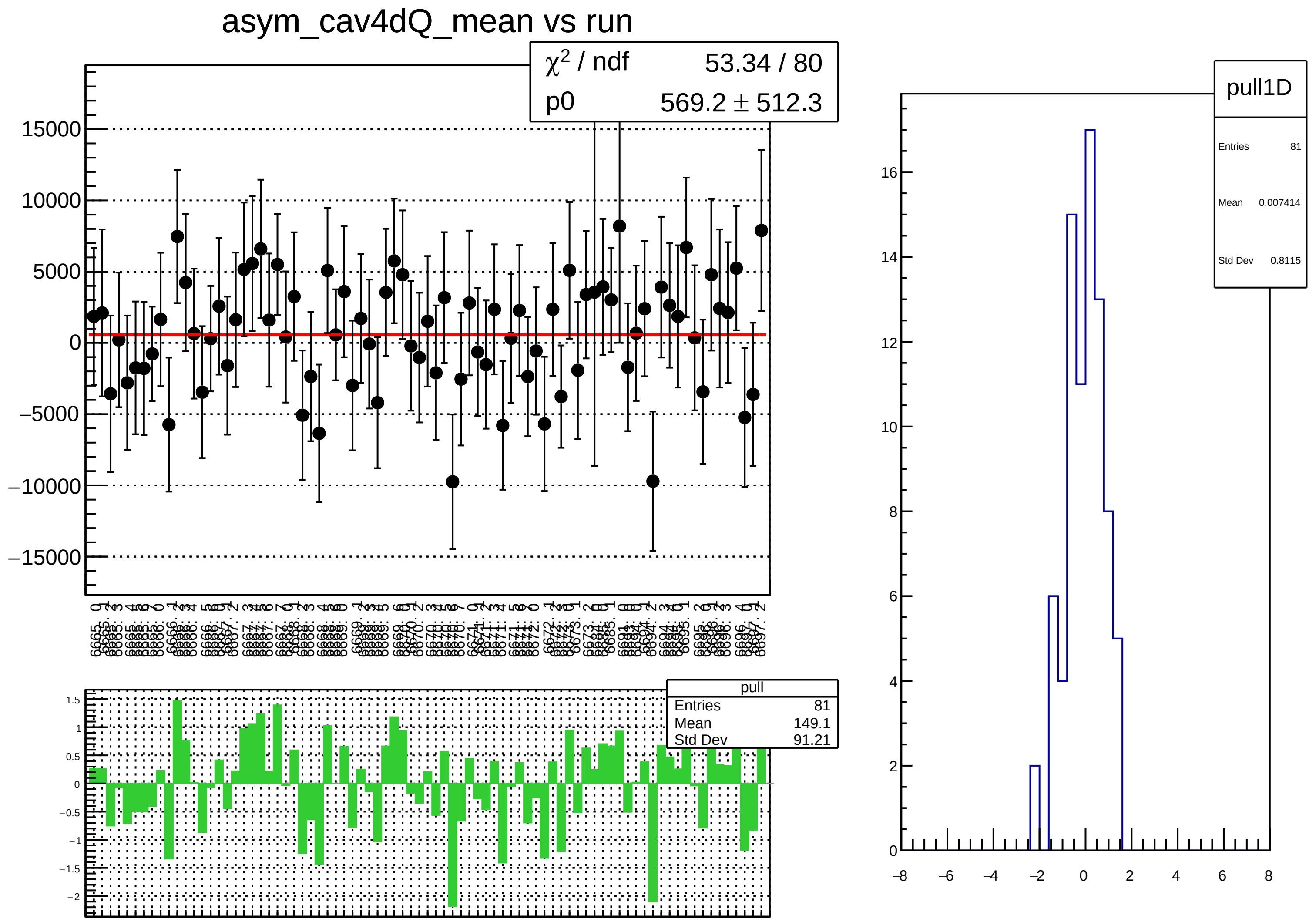

asym_cav4bQ_mean vs run
χ2 / ndf 42.25 / 80
p0 102 ± 503.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 81
Mean 73.24
Std Dev 17.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.01854
Std Dev 0.722
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

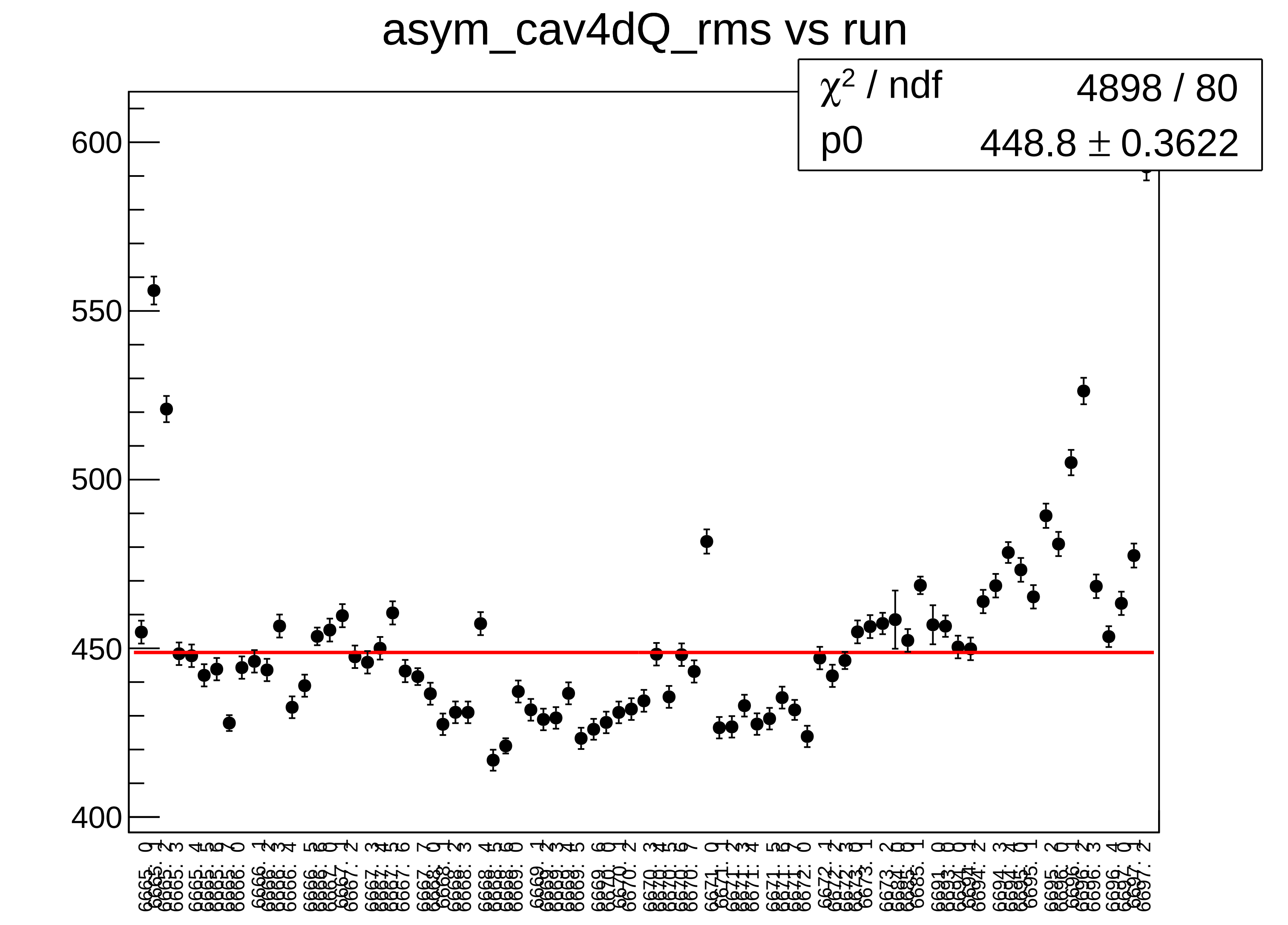

asym_cav4bQ_rms vs run
χ2 / ndf 2.775e+04 / 80
p0 437.4 ± 0.3557
700
650
600
550
500
450
400

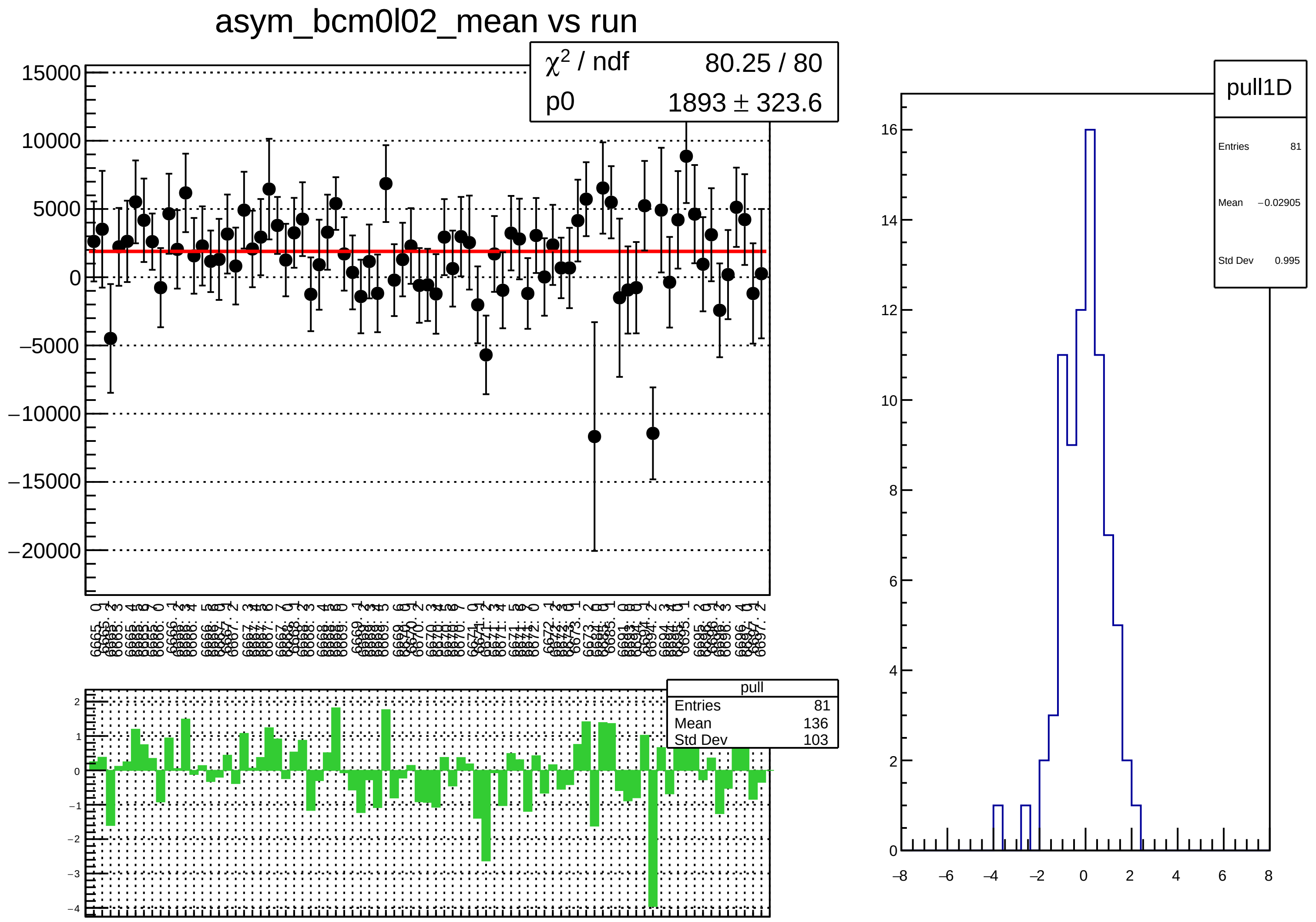

asym_cav4cQ_mean vs run
χ^2 / ndf 23.8 / 80
p0 150.7 ± 398.3
pull
Entries 81
Mean −26.35
Std Dev 77.14
pull1D
Entries 81
Mean −0.007151
Std Dev 0.5421

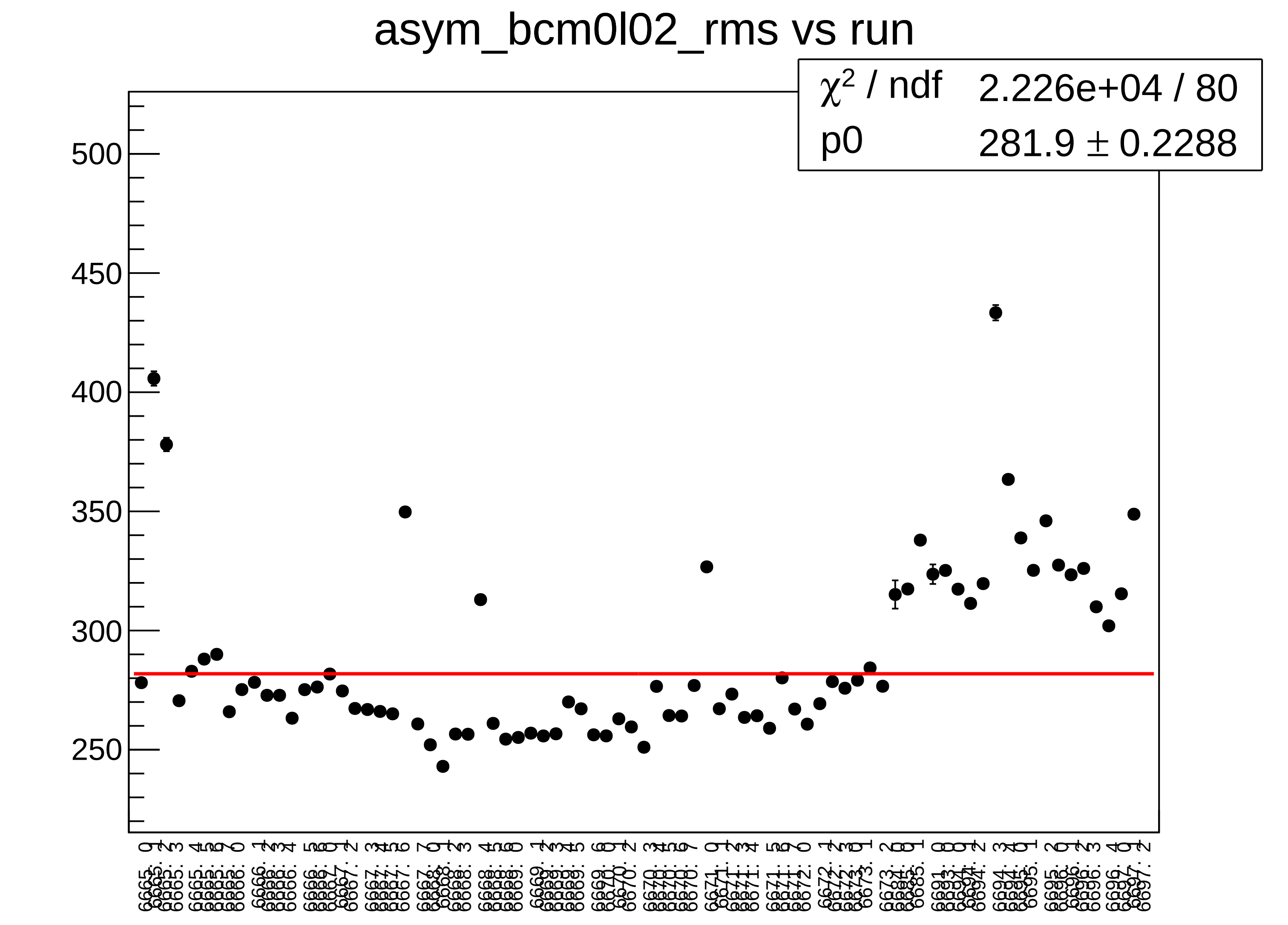


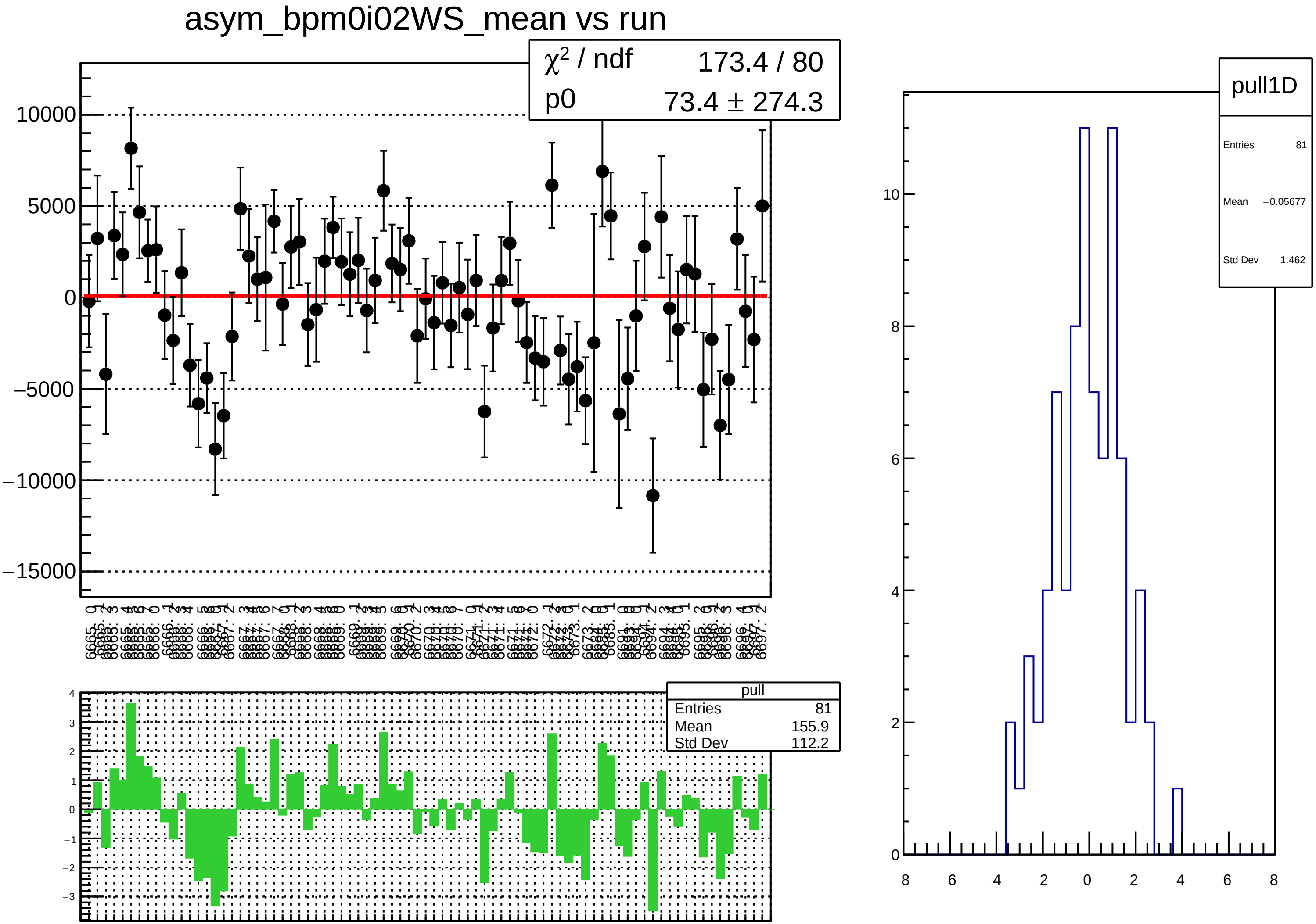
asym_cav4cQ_rms vs run
χ^2 / ndf 8828 / 80
p0 348.5 ± 0.2816
500
450
400
350
300

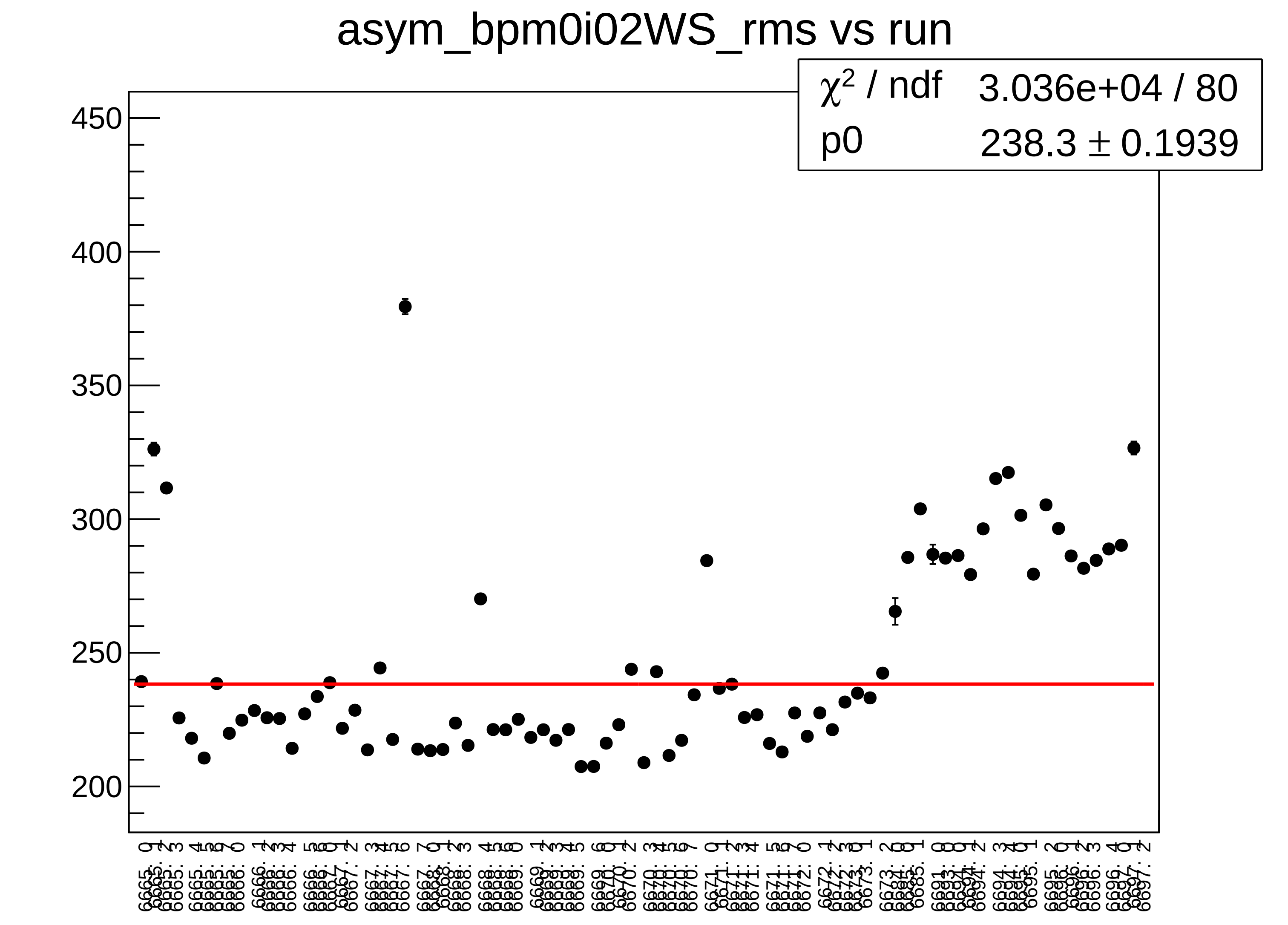

asym_cav4dQ_mean vs run
χ^2 / ndf 53.34 / 80
p0 569.2 ± 512.3
pull
Entries 81
Mean 149.1
Std Dev 91.21
pull1D
Entries 81
Mean 0.007414
Std Dev 0.8115

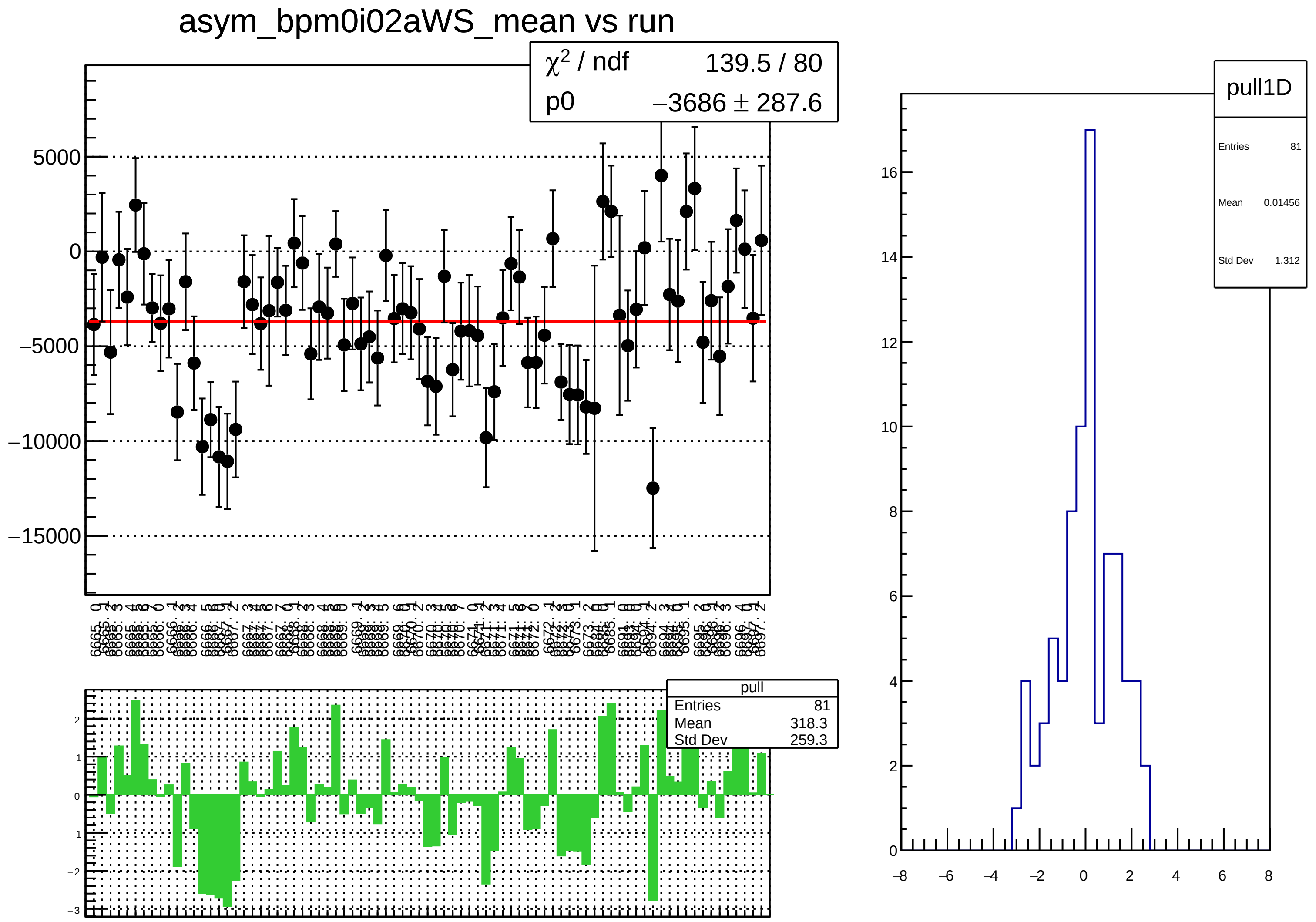

asym_cav4dQ_rms vs run
χ2 / ndf 4898 / 80
p0 448.8 ± 0.3622
600
550
500
450
400


asym_bcm0l02_mean vs run
χ^2 / ndf 80.25 / 80
p0 1893 ± 323.6
pull
Entries 81
Mean 136
Std Dev 103
pull1D
Entries 81
Mean −0.02905
Std Dev 0.995

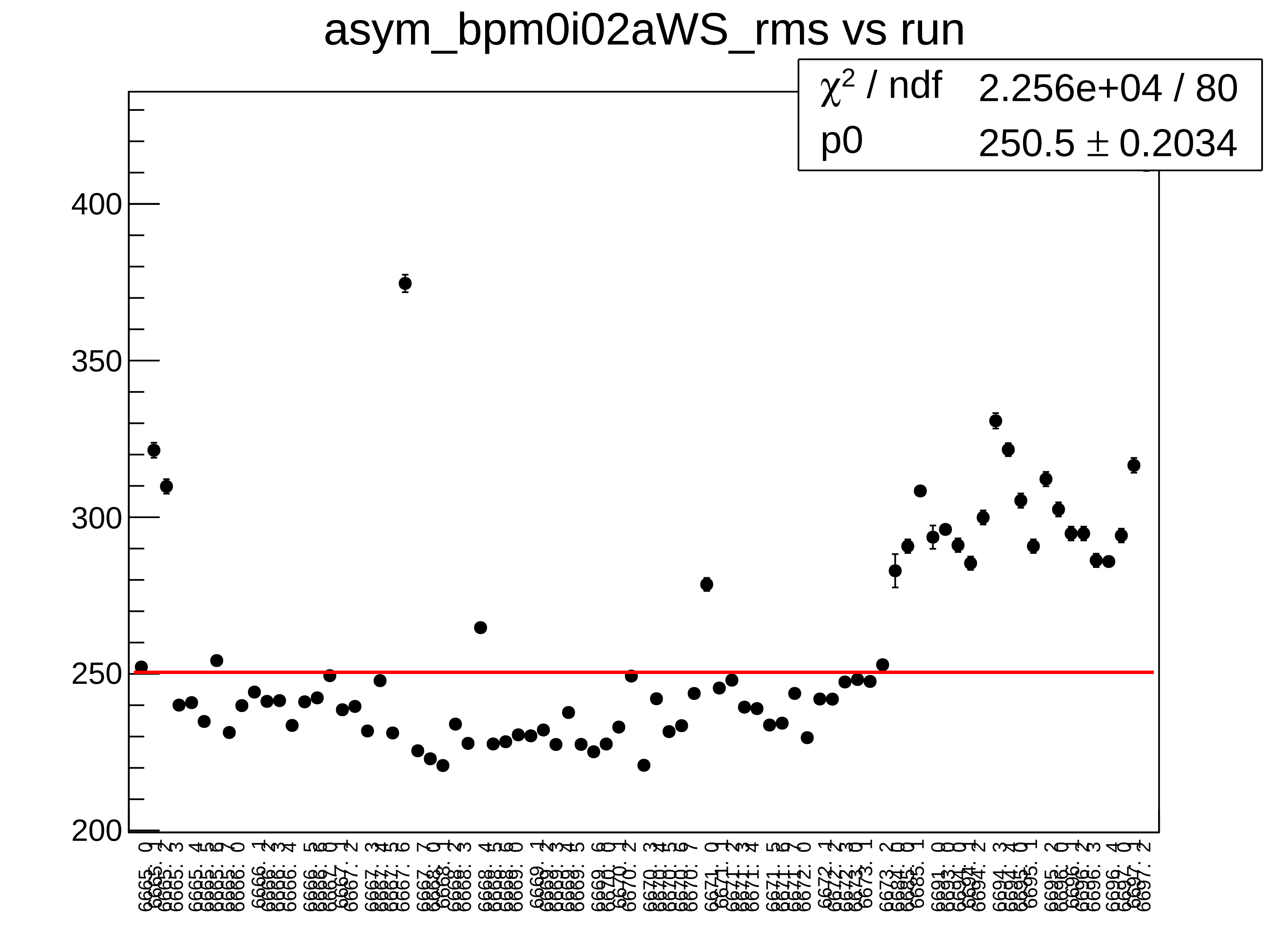

asym_bcm0l02_rms vs run
χ2 / ndf 2.226e+04 / 80
p0 281.9 ± 0.2288
500
450
400
350
300
250

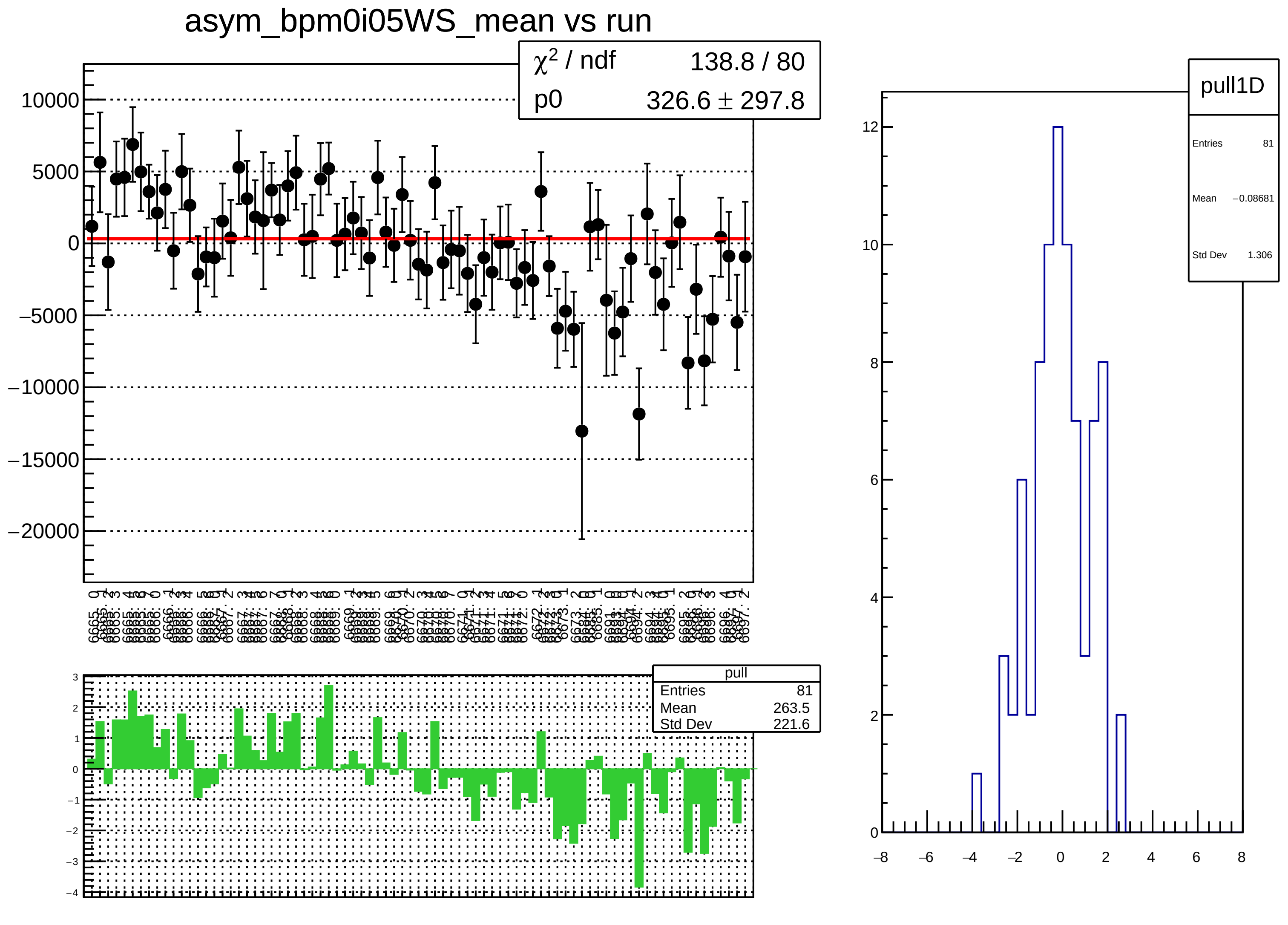

asym_bpm0i02WS_mean vs run
χ2 / ndf 173.4 / 80
p0 73.4 ± 274.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 155.9
Std Dev 112.2
pull1D
Entries 81
Mean −0.05677
Std Dev 1.462


asym_bpm0i02WS_rms vs run
χ2 / ndf 3.036e+04 / 80
p0 238.3 ± 0.1939
450
400
350
300
250
200

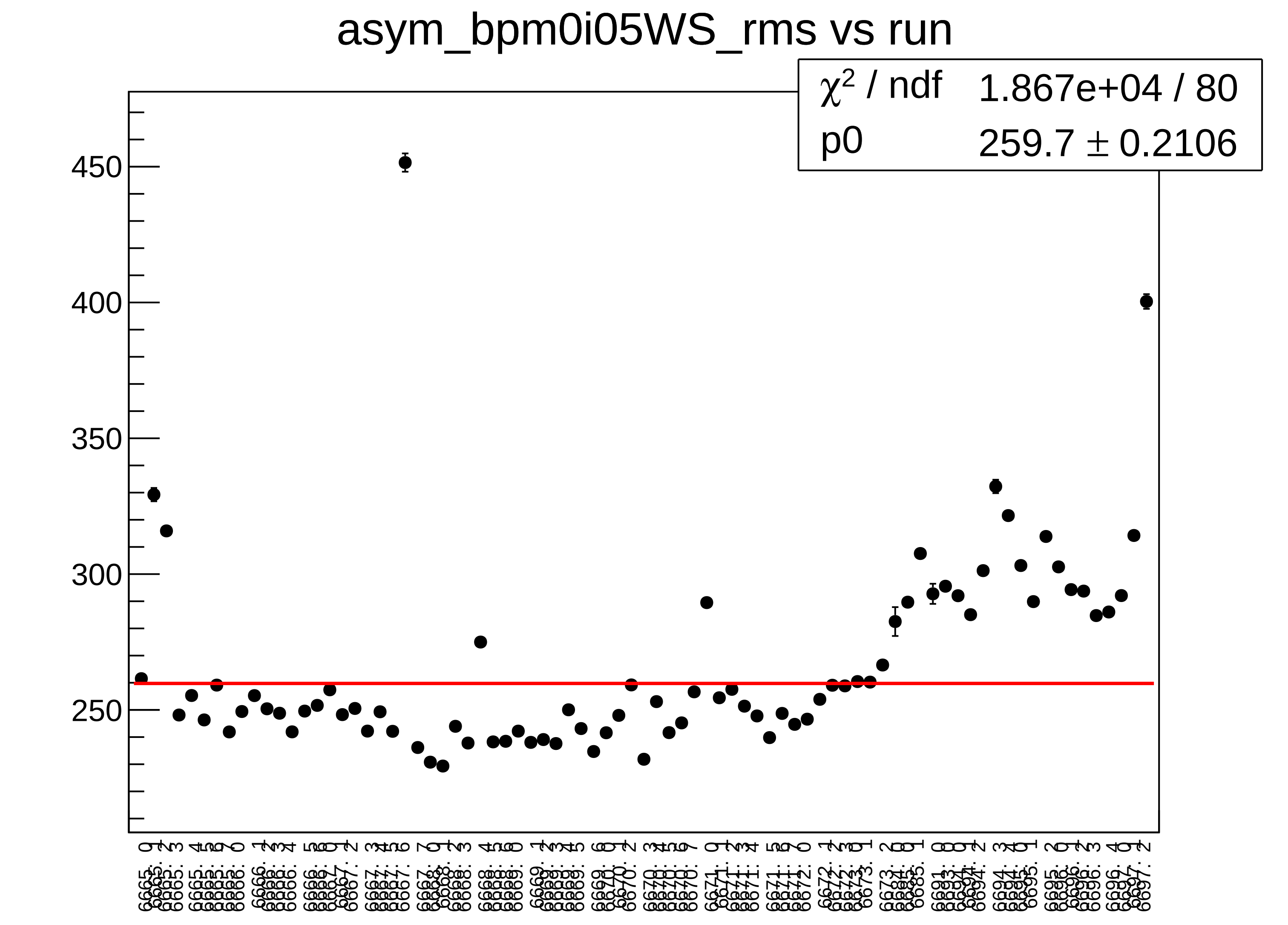


asym_bpm0i02aWS_mean vs run
χ^2 / ndf 139.5 / 80
p0 −3686 ± 287.6
pull
Entries 81
Mean 318.3
Std Dev 259.3
pull1D
Entries 81
Mean 0.01456
Std Dev 1.312

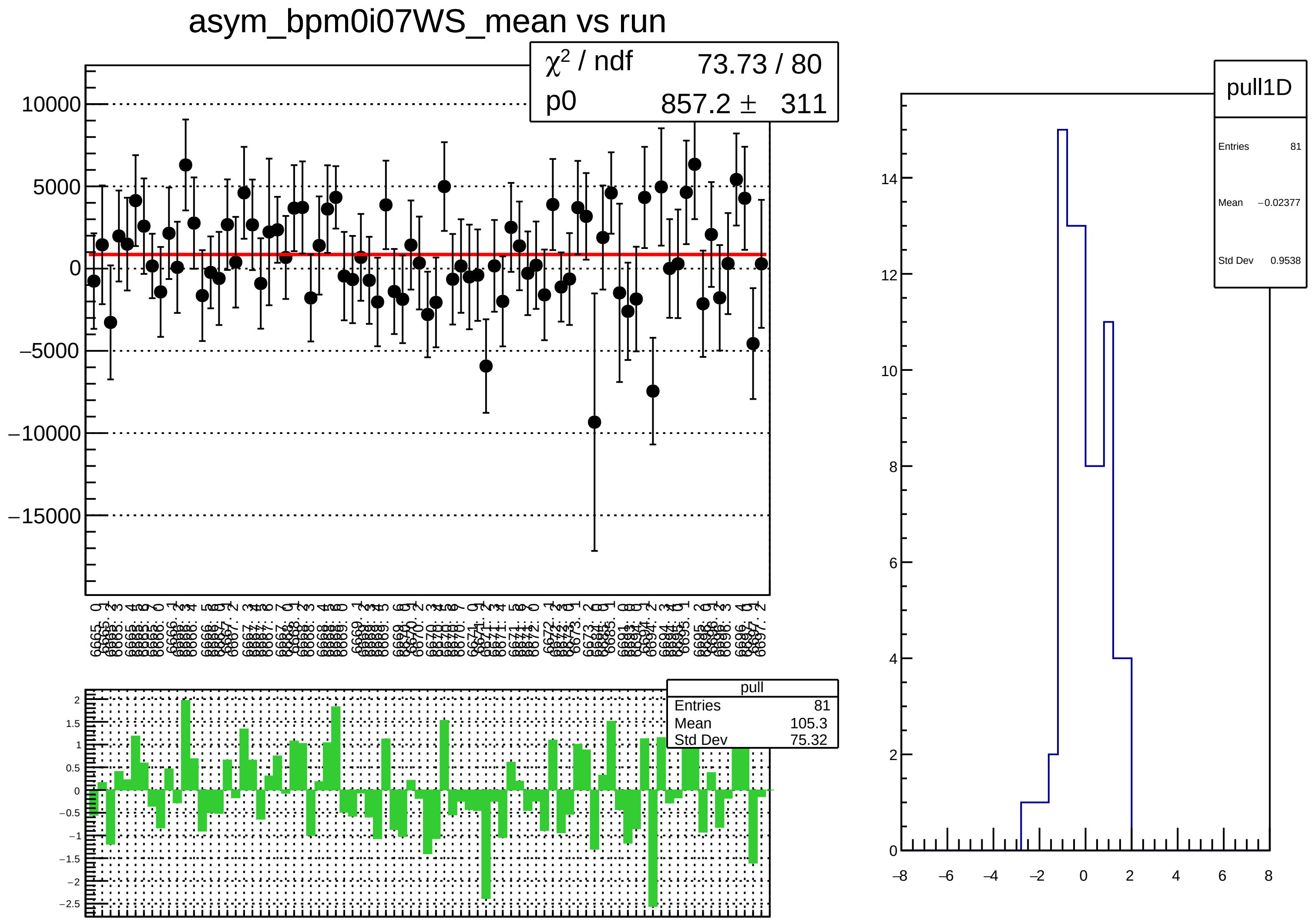

asym_bpm0i02aWS_rms vs run
χ2 / ndf 2.256e+04 / 80
p0 250.5 ± 0.2034
400
350
300
250
200



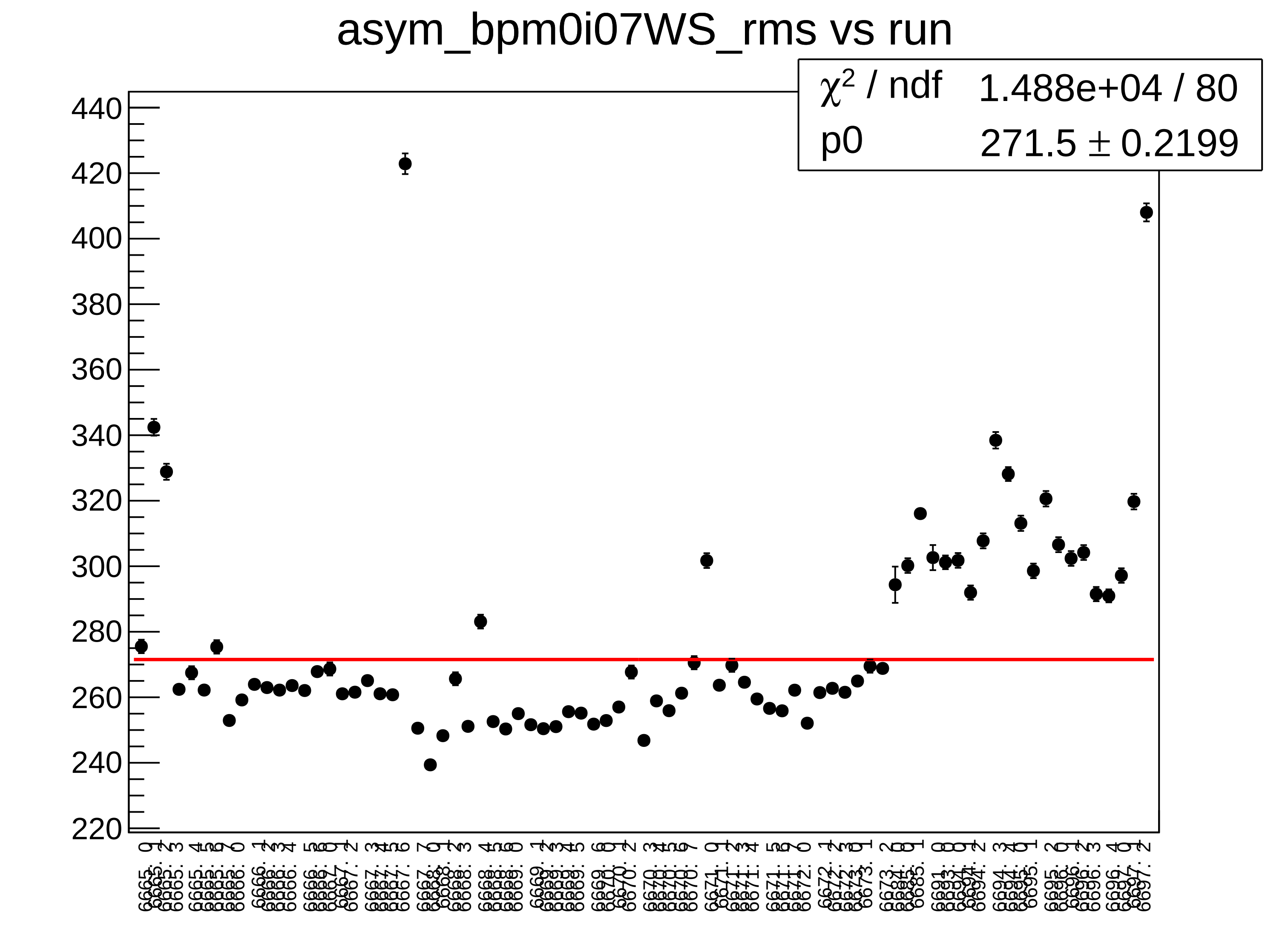
asym_bpm0i05WS_mean vs run
χ^2 / ndf 138.8 / 80
p0 326.6 ± 297.8
pull
Entries 81
Mean 263.5
Std Dev 221.6
pull1D
Entries 81
Mean −0.08681
Std Dev 1.306



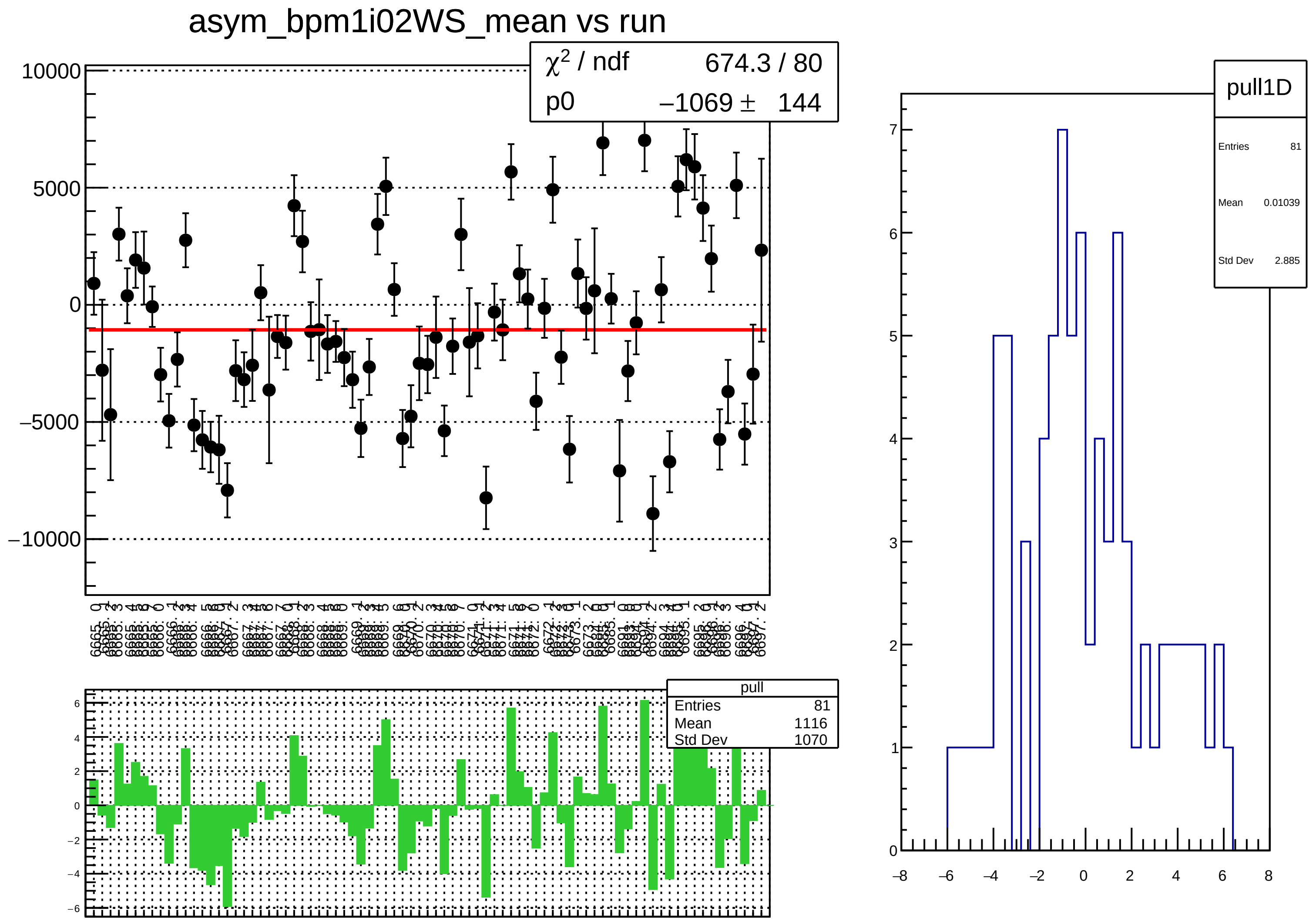
asym_bpm0i05WS_rms vs run
χ2 / ndf 1.867e+04 / 80
p0 259.7 ± 0.2106
450
400
350
300
250



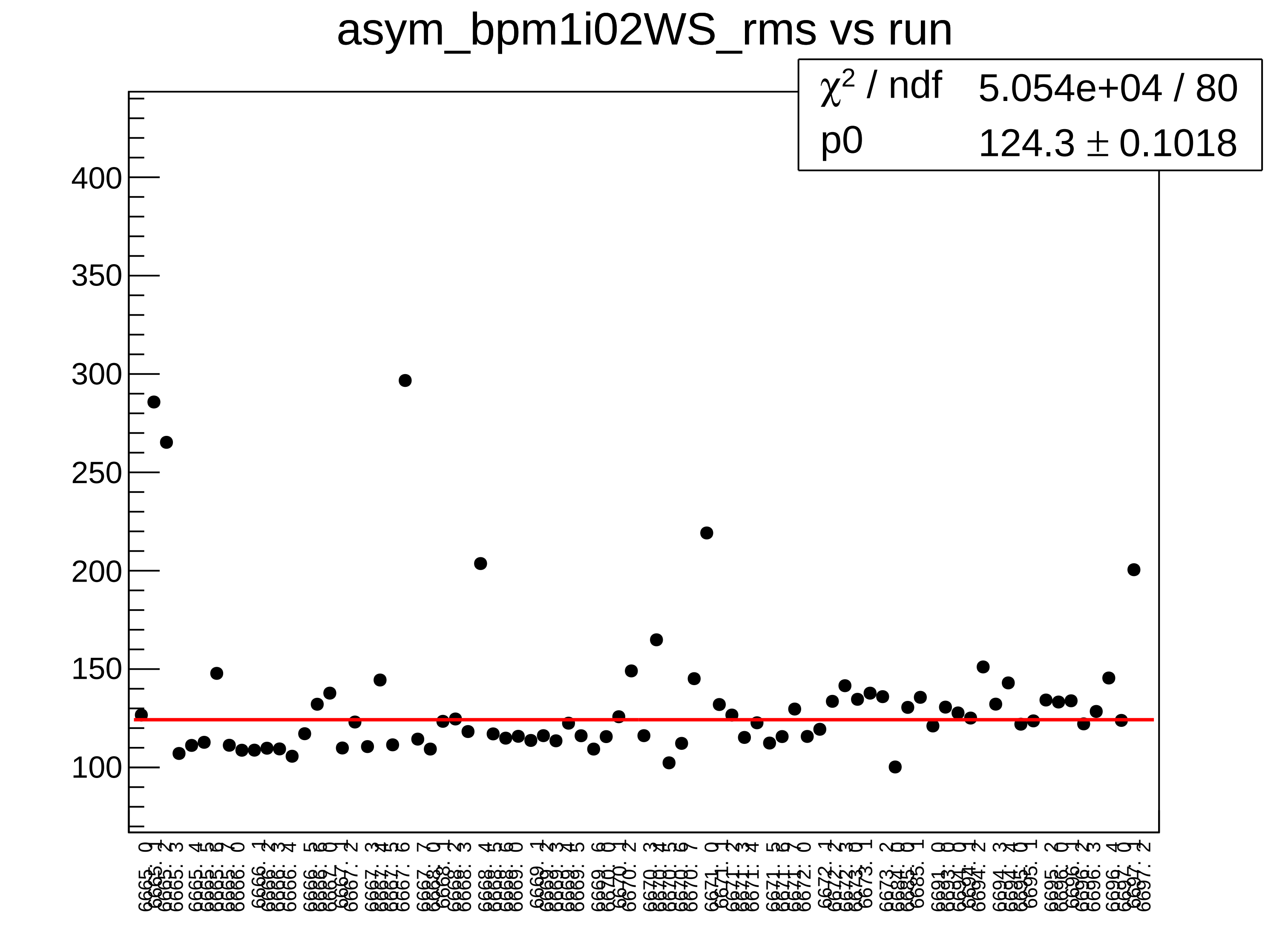
asym_bpm0i07WS_mean vs run
χ^2 / ndf 73.73 / 80
p0 857.2 ± 311
pull
Entries 81
Mean 105.3
Std Dev 75.32
pull1D
Entries 81
Mean −0.02377
Std Dev 0.9538



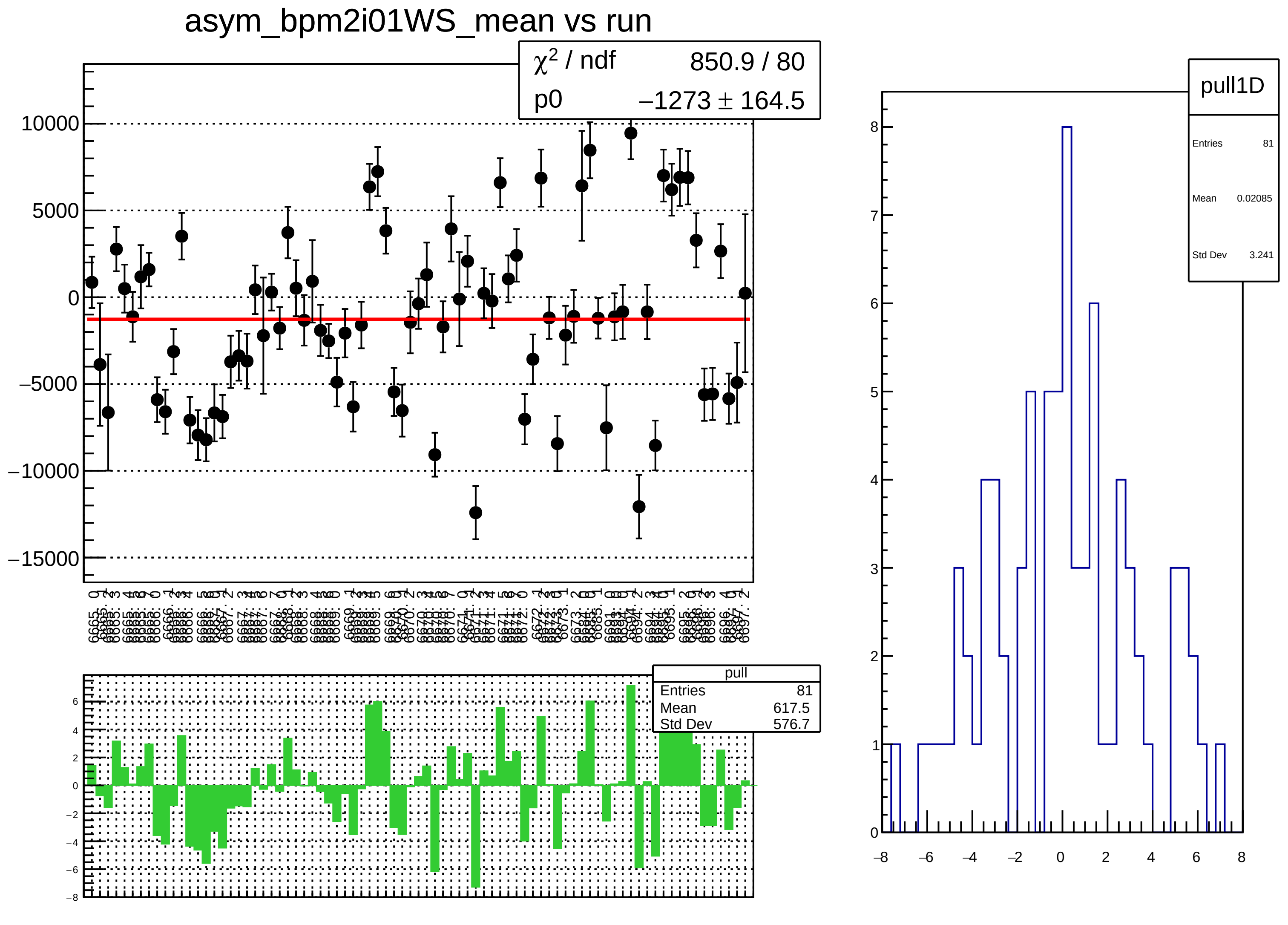
asym_bpm0i07WS_rms vs run
χ² / ndf 1.488e+04 / 80
p0 271.5 ± 0.2199
440
420
400
380
360
340
320
300
280
260
240
220



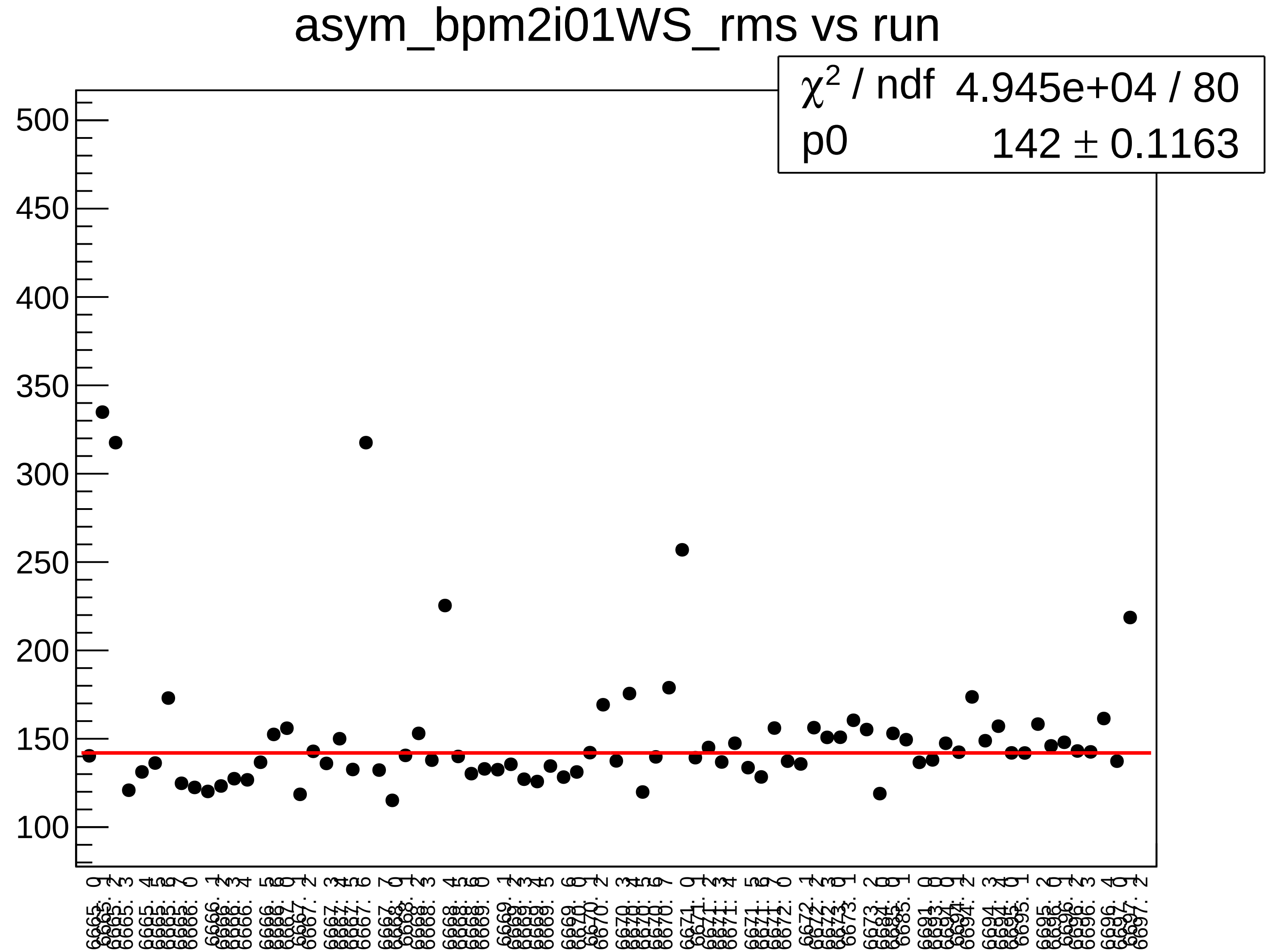
asym_bpm1i02WS_mean vs run
χ^2 / ndf 674.3 / 80
p0 −1069 ± 144
pull
Entries 81
Mean 1116
Std Dev 1070
pull1D
Entries 81
Mean 0.01039
Std Dev 2.885



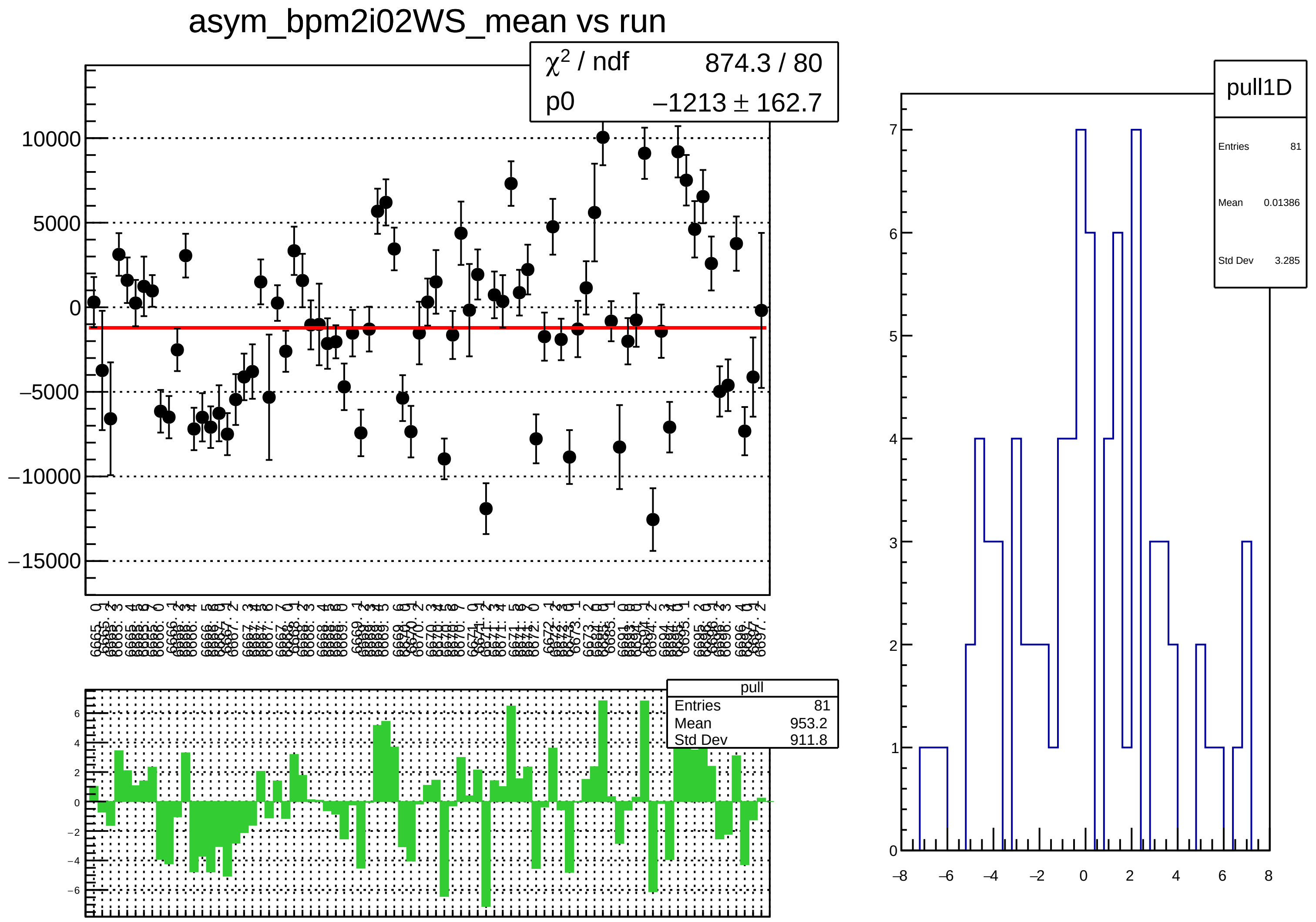
asym_bpm1i02WS_rms vs run
χ2 / ndf 5.054e+04 / 80
p0 124.3 ± 0.1018
400
350
300
250
200
150
100



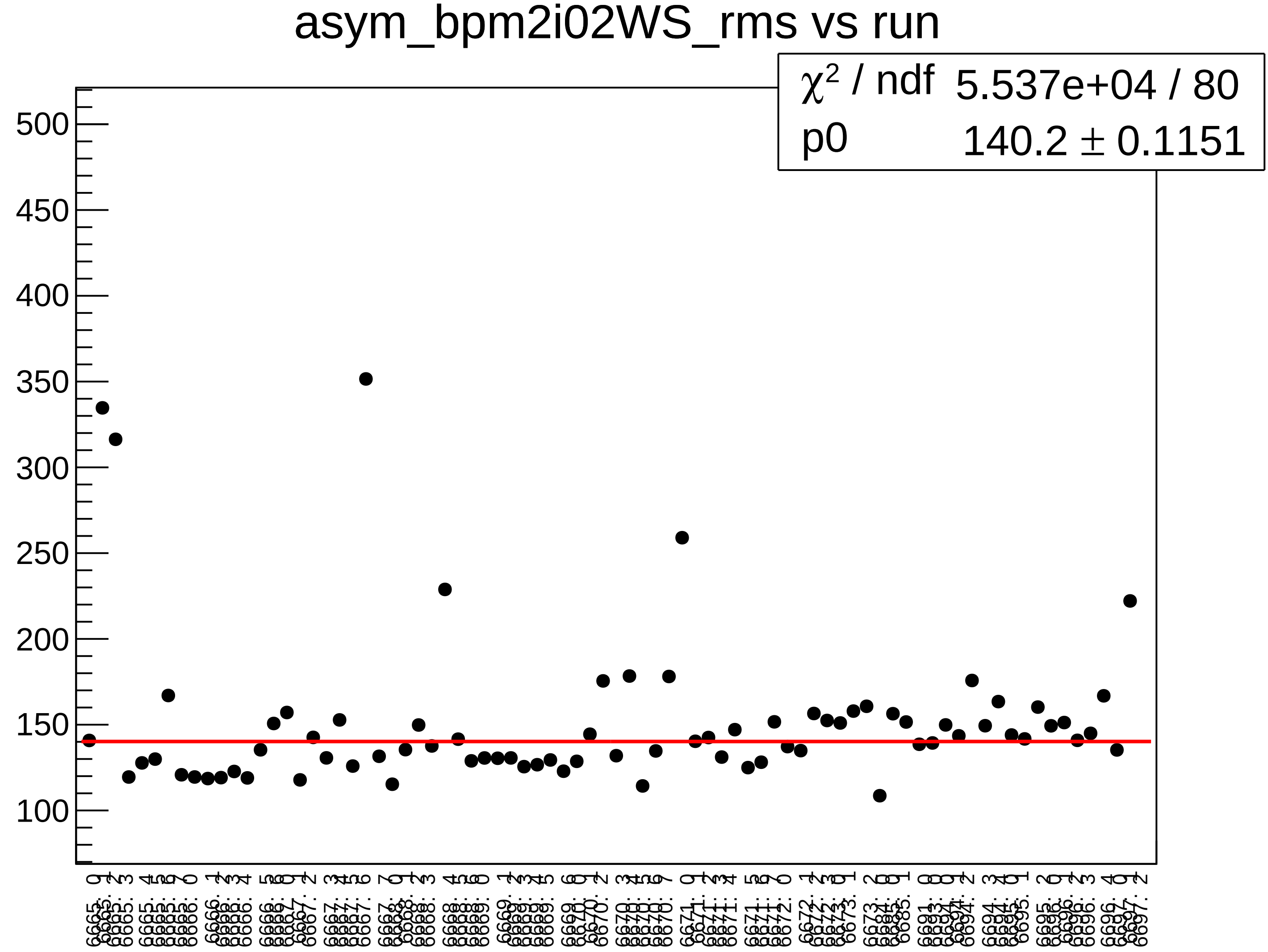
asym_bpm2i01WS_mean vs run
χ^2 / ndf 850.9 / 80
p0 −1273 ± 164.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 617.5
Std Dev 576.7
pull1D
Entries 81
Mean 0.02085
Std Dev 3.241

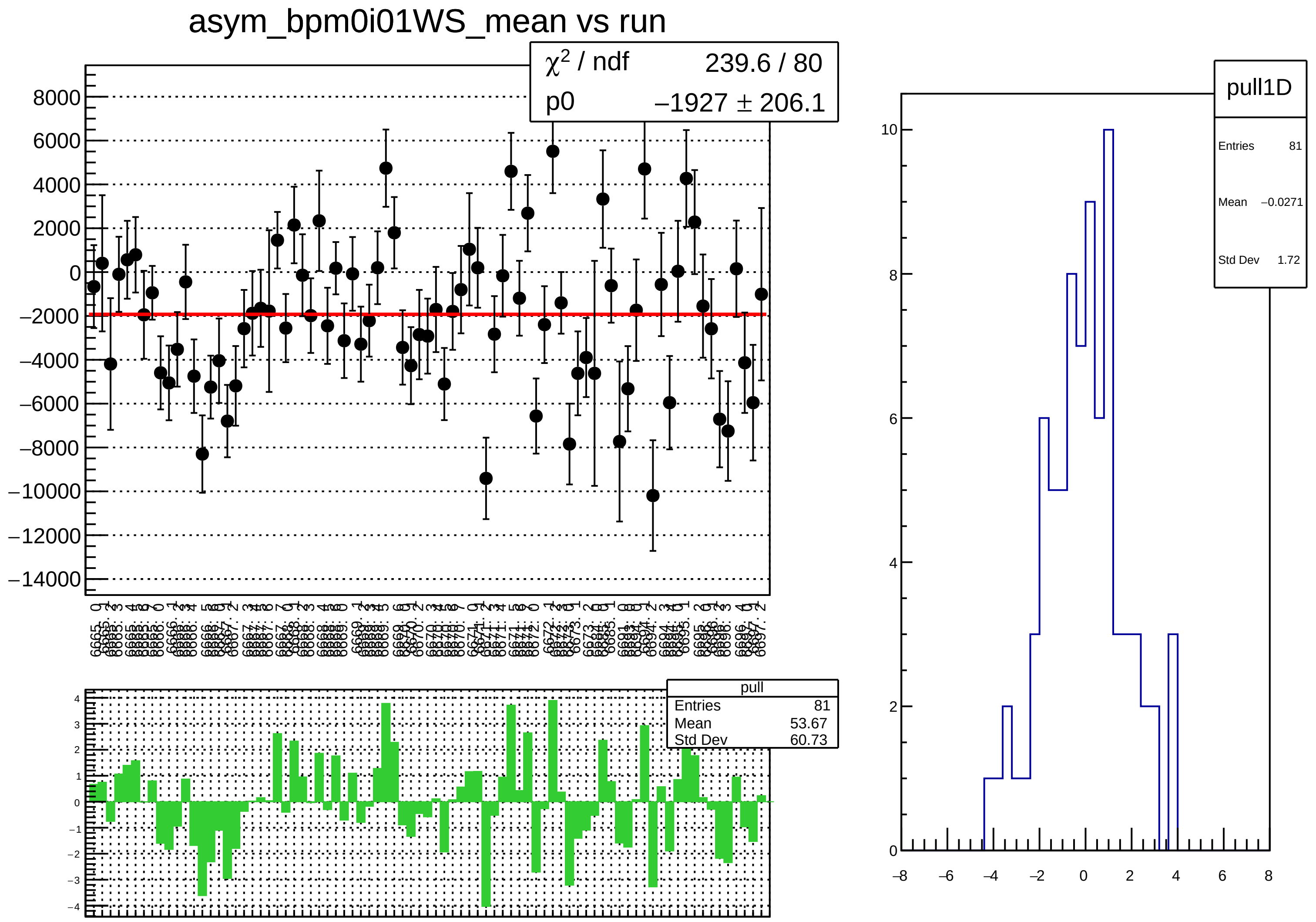


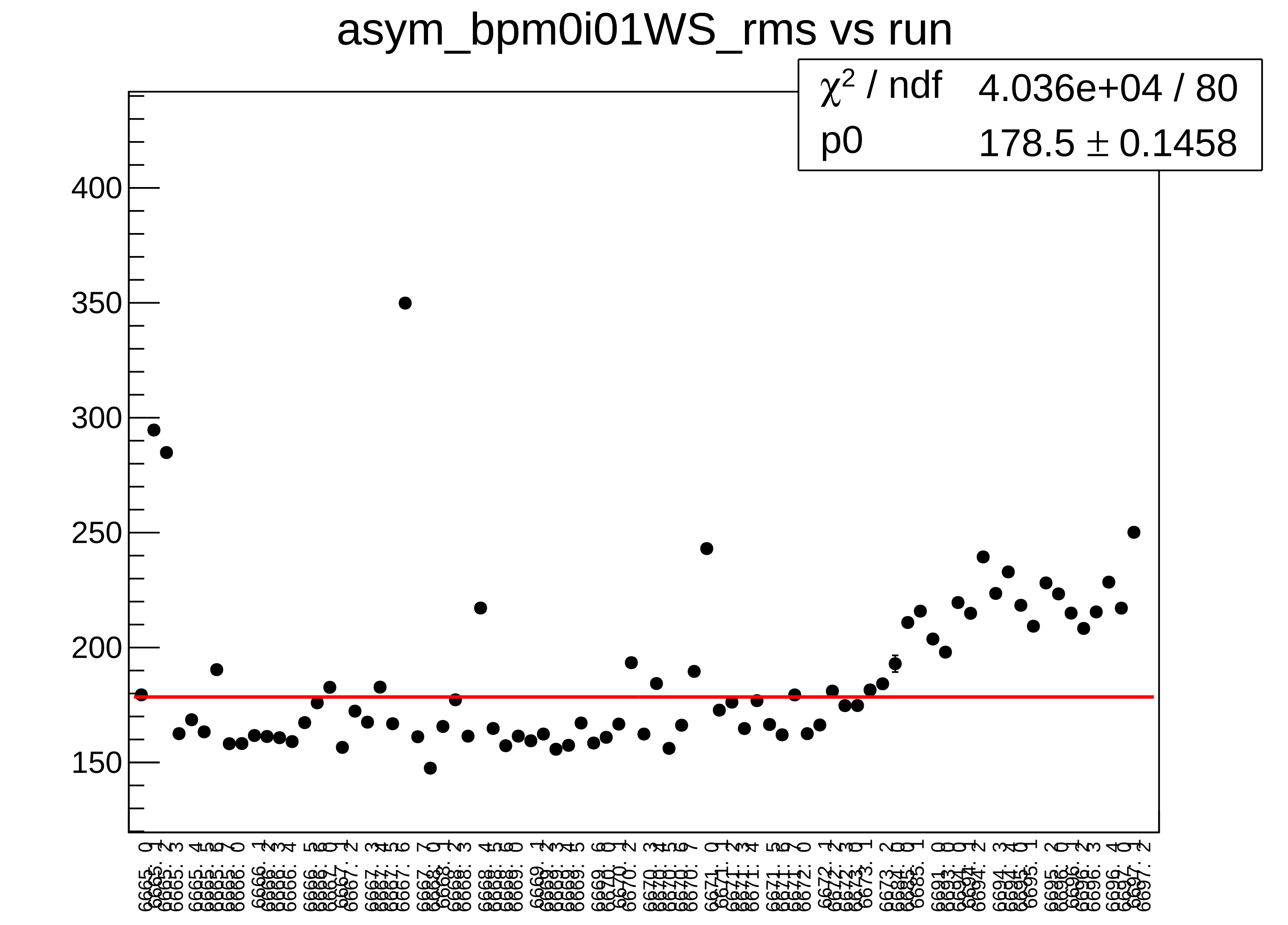
asym_bpm2i01WS_rms vs run
χ^2 / ndf 4.945e+04 / 80
p0 142 ± 0.1163
500
450
400
350
300
250
200
150
100



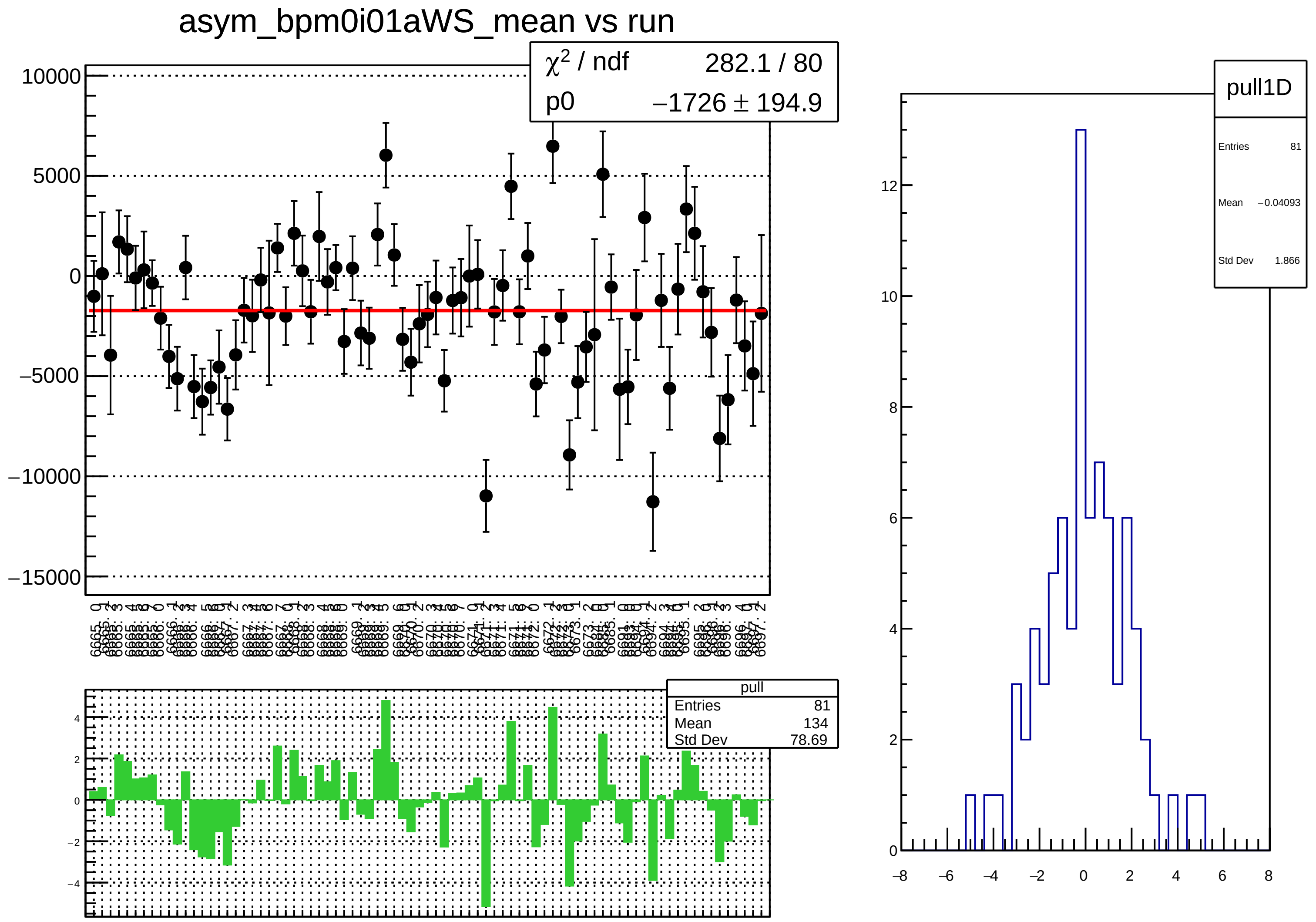
asym_bpm2i02WS_mean vs run
χ^2 / ndf 874.3 / 80
p0 −1213 ± 162.7
pull
Entries 81
Mean 953.2
Std Dev 911.8
pull1D
Entries 81
Mean 0.01386
Std Dev 3.285


asym_bpm2i02WS_rms vs run
χ^2 / ndf 5.537e+04 / 80
p0 140.2 ± 0.1151
500
450
400
350
300
250
200
150
100

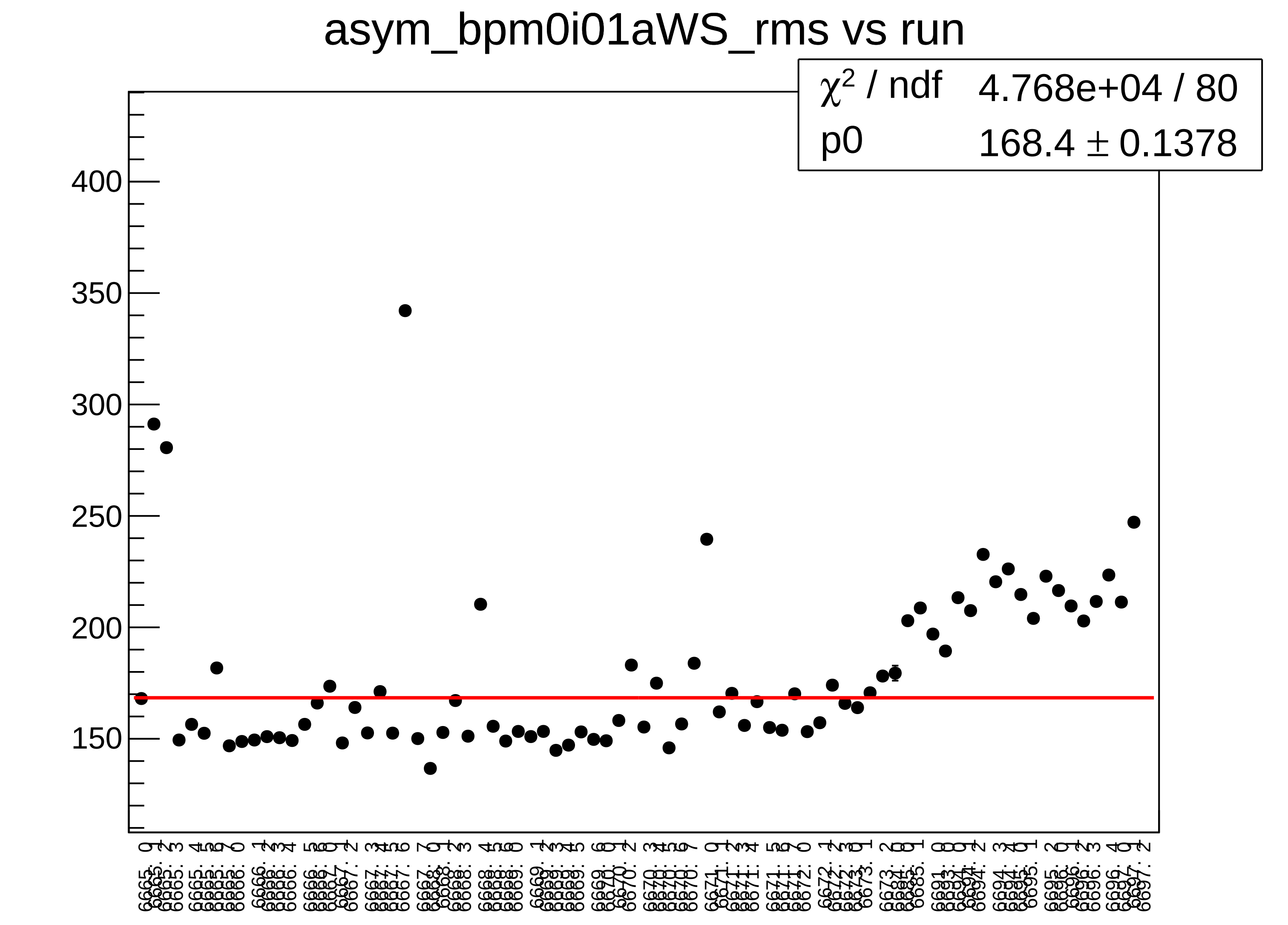

asym_bpm0i01WS_mean vs run
χ^2 / ndf 239.6 / 80
p0 −1927 ± 206.1
pull
Entries 81
Mean 53.67
Std Dev 60.73
pull1D
Entries 81
Mean −0.0271
Std Dev 1.72

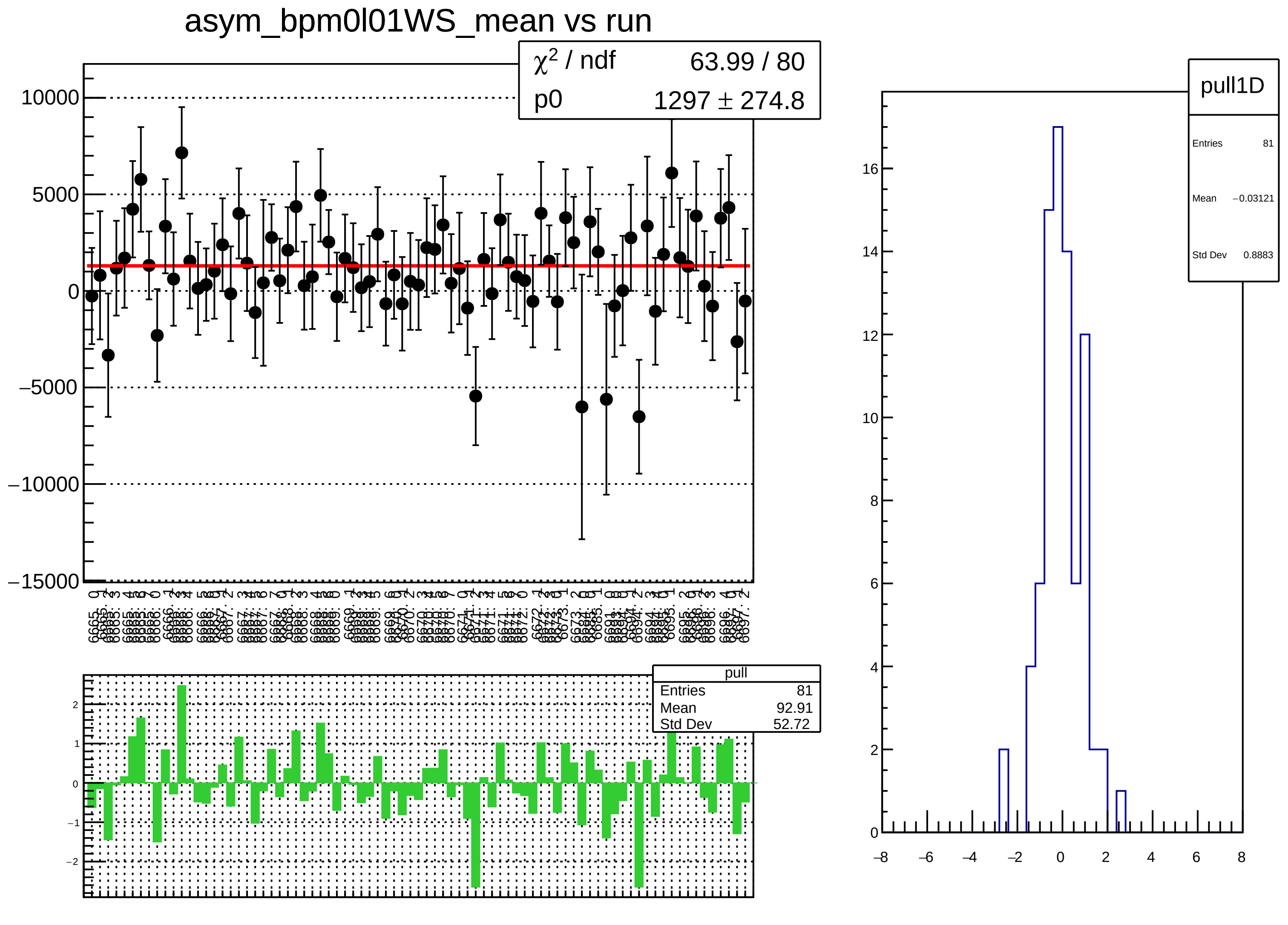


asym_bpm0i01WS_rms vs run
χ2 / ndf 4.036e+04 / 80
p0 178.5 ± 0.1458

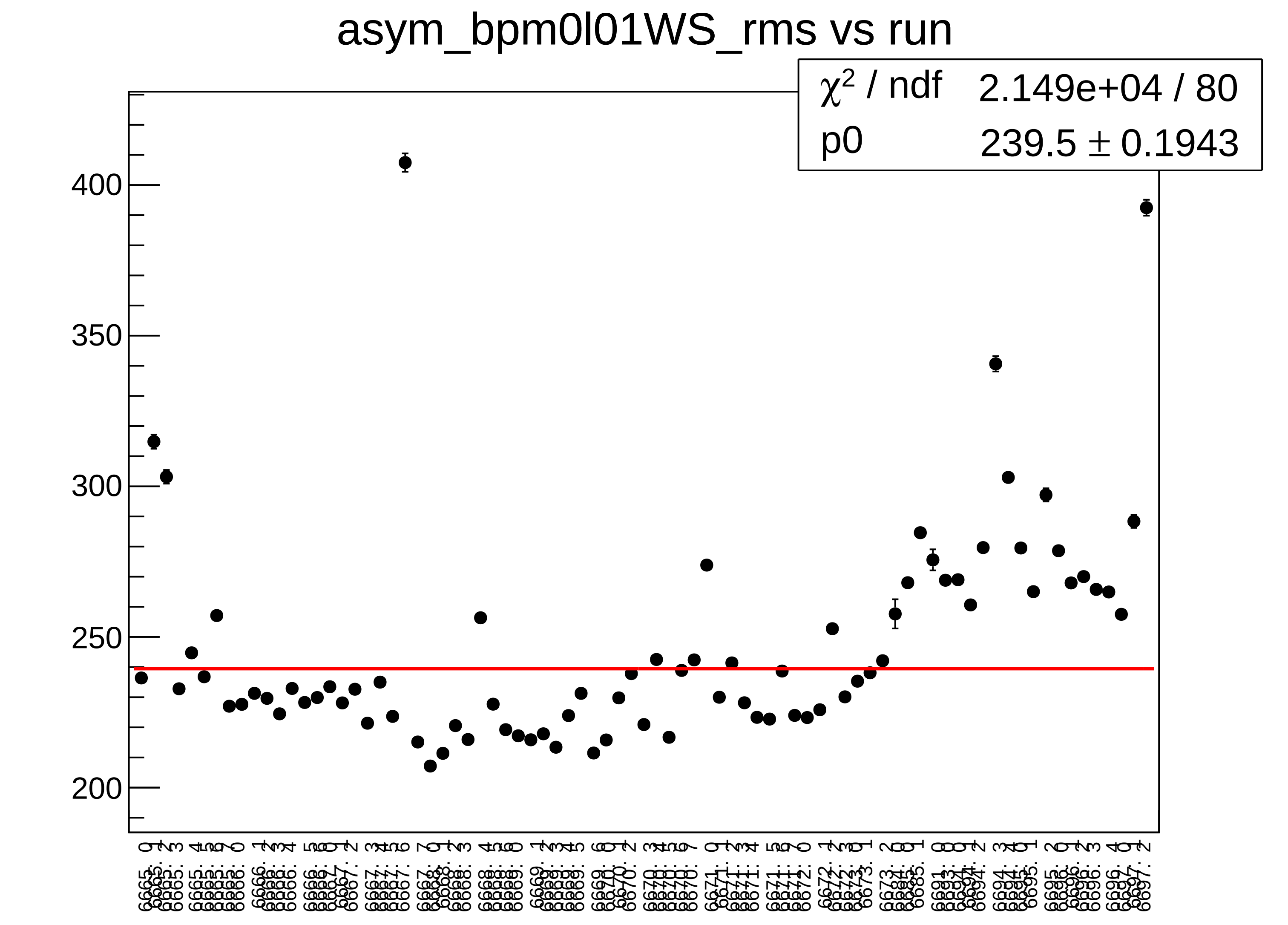


asym_bpm0i01aWS_mean vs run
χ^2 / ndf 282.1 / 80
p0 −1726 ± 194.9
pull
Entries 81
Mean 134
Std Dev 78.69
pull1D
Entries 81
Mean −0.04093
Std Dev 1.866

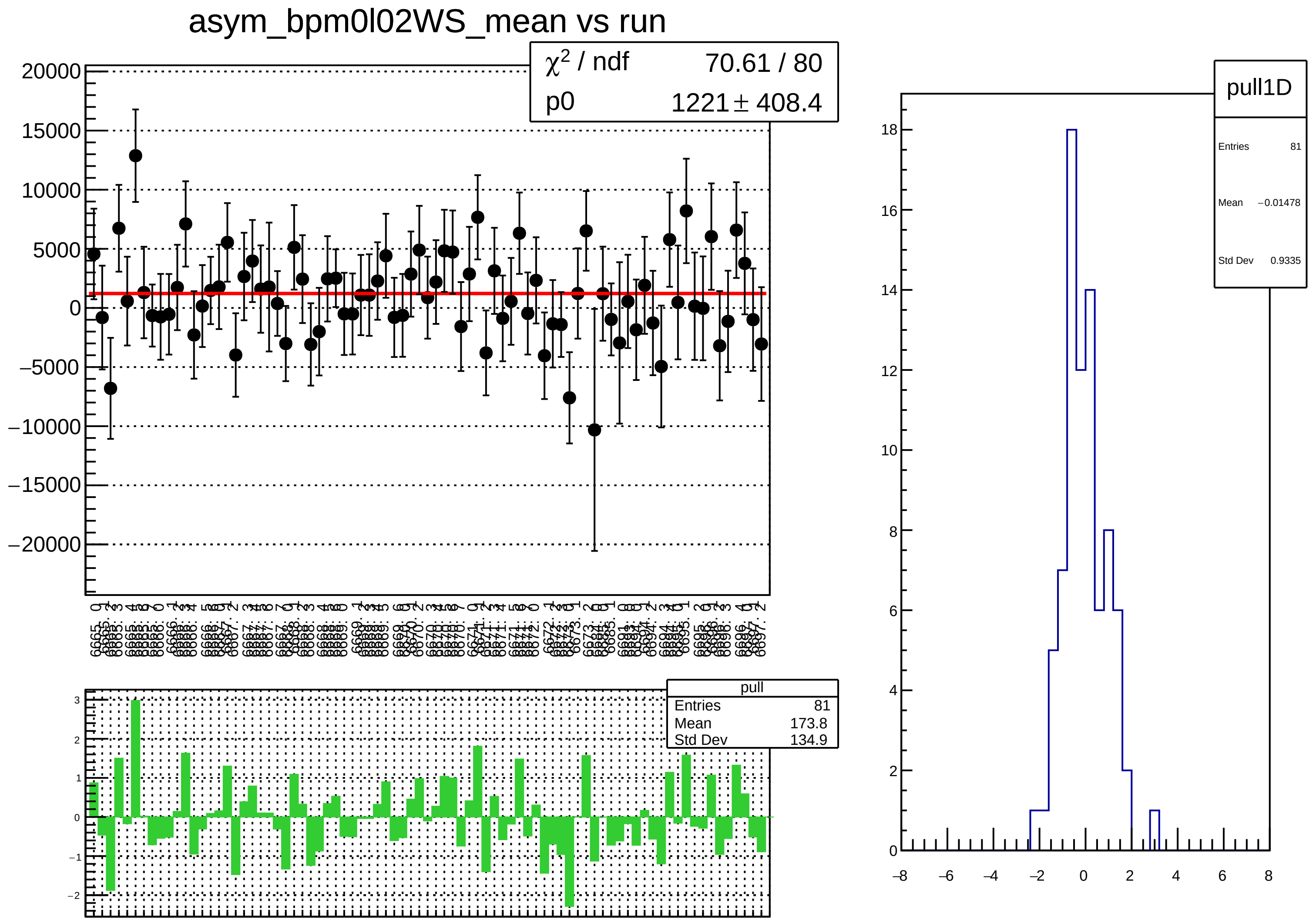

asym_bpm0i01aWS_rms vs run
χ2 / ndf 4.768e+04 / 80
p0 168.4 ± 0.1378
400
350
300
250
200
150



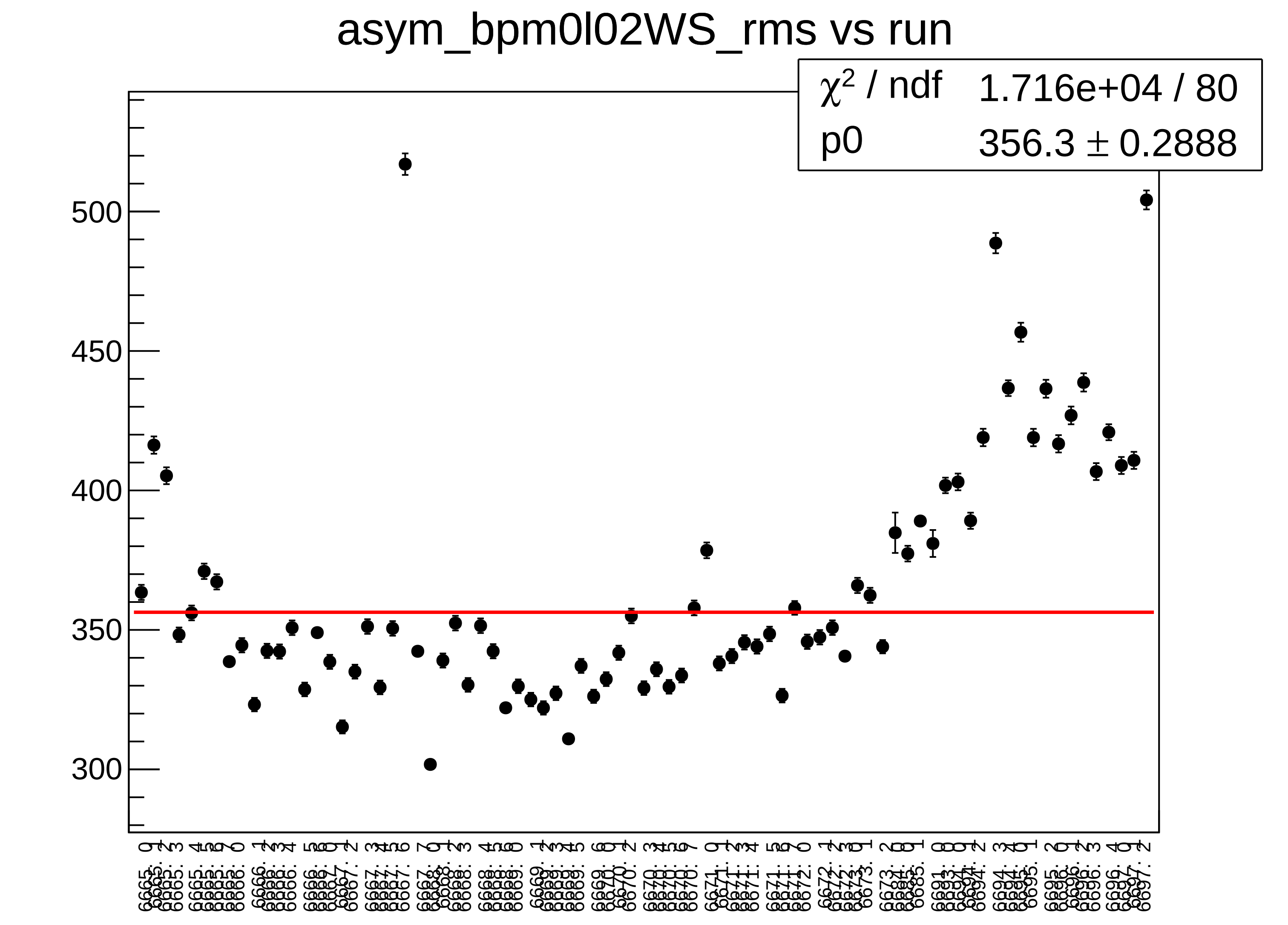
asym_bpm0l01WS_mean vs run
χ2 / ndf 63.99 / 80
p0 1297 ± 274.8
pull
Entries 81
Mean 92.91
Std Dev 52.72
pull1D
Entries 81
Mean −0.03121
Std Dev 0.8883



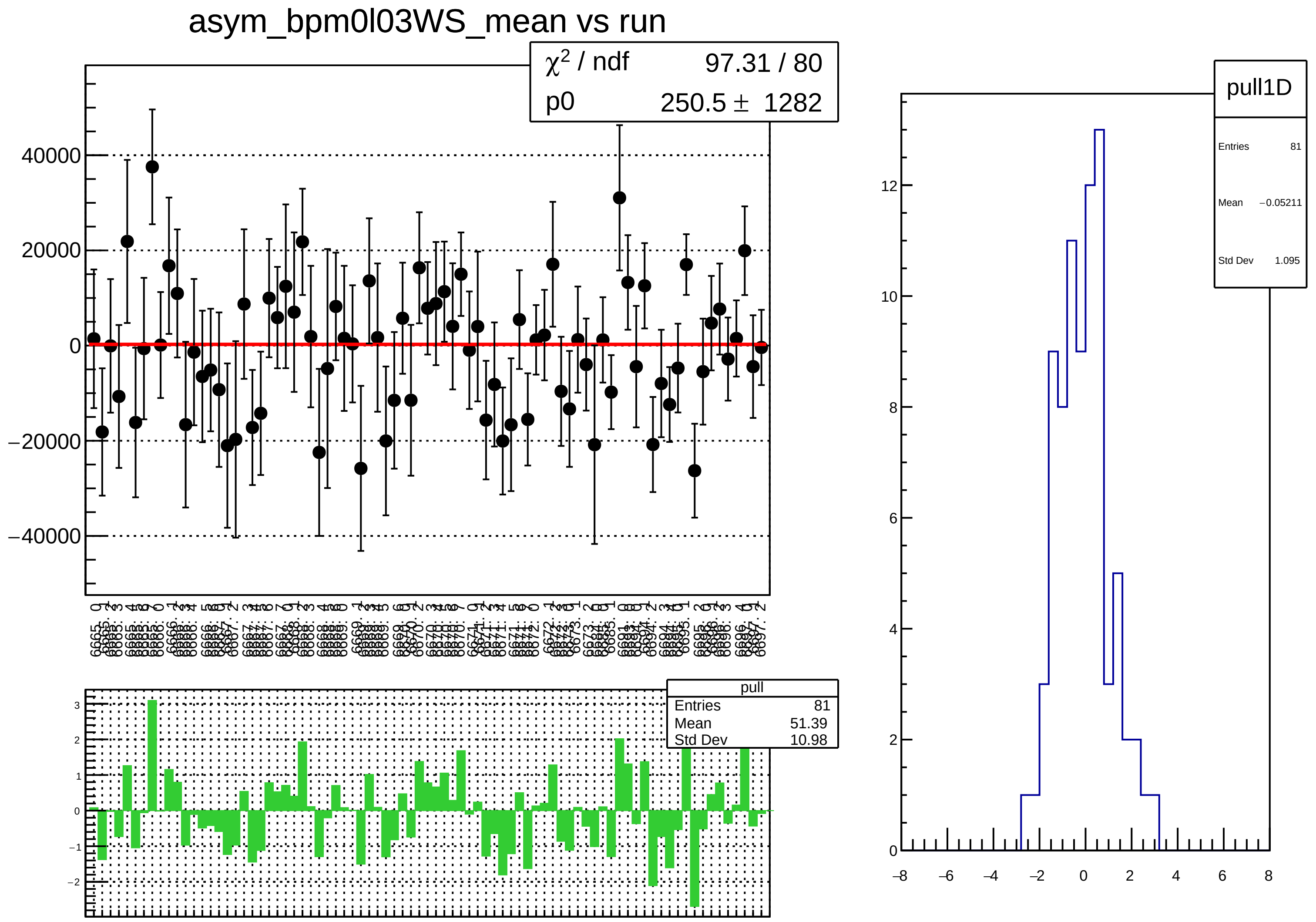
asym_bpm0l01WS_rms vs run
χ^2 / ndf 2.149e+04 / 80
p0 239.5 ± 0.1943
400
350
300
250
200



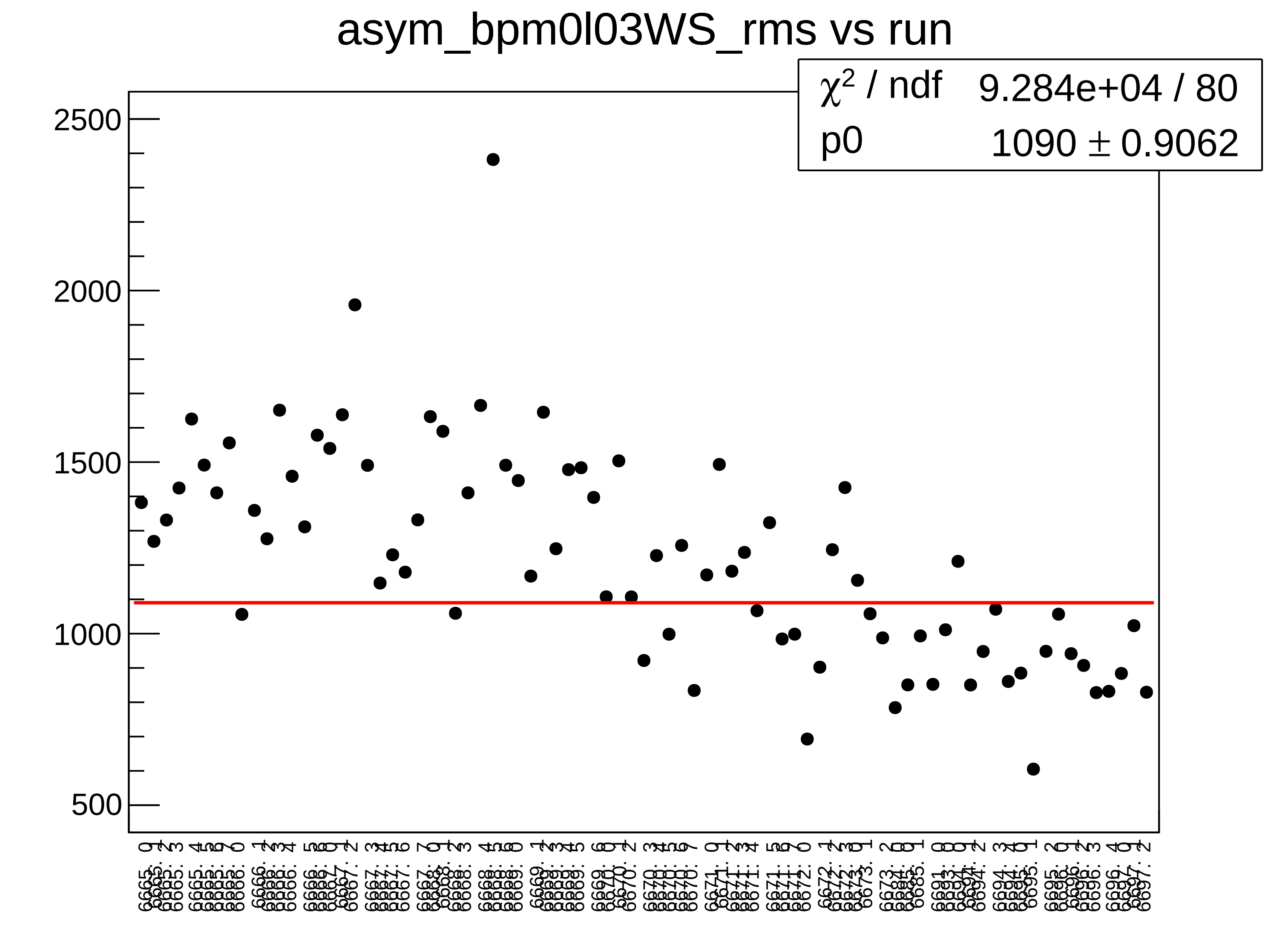
asym_bpm0l02WS_mean vs run
χ^2 / ndf 70.61 / 80
p0 1221 ± 408.4
pull
Entries 81
Mean 173.8
Std Dev 134.9
pull1D
Entries 81
Mean −0.01478
Std Dev 0.9335

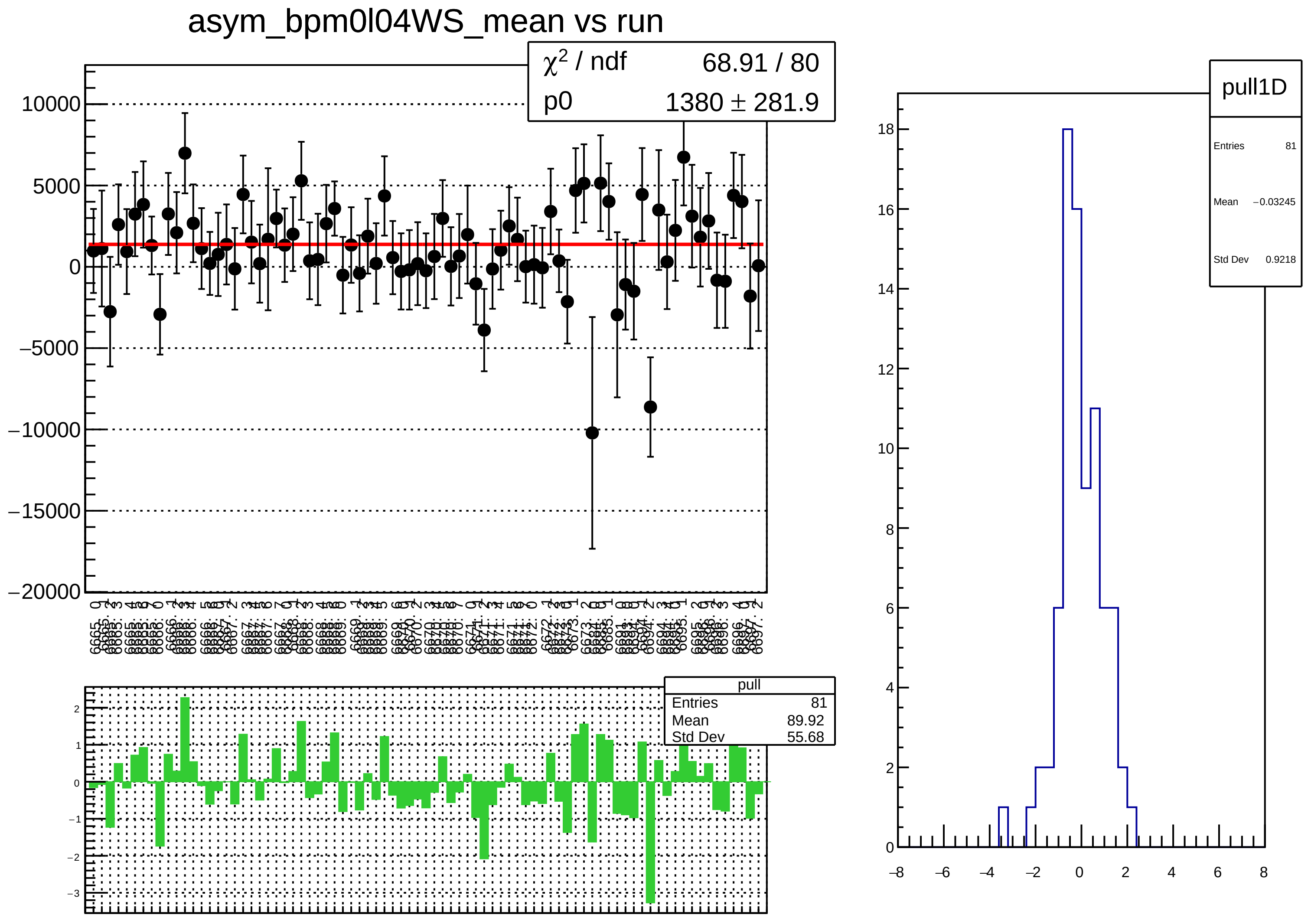


asym_bpm0l02WS_rms vs run
χ^2 / ndf 1.716e+04 / 80
p0 356.3 ± 0.2888
500
450
400
350
300

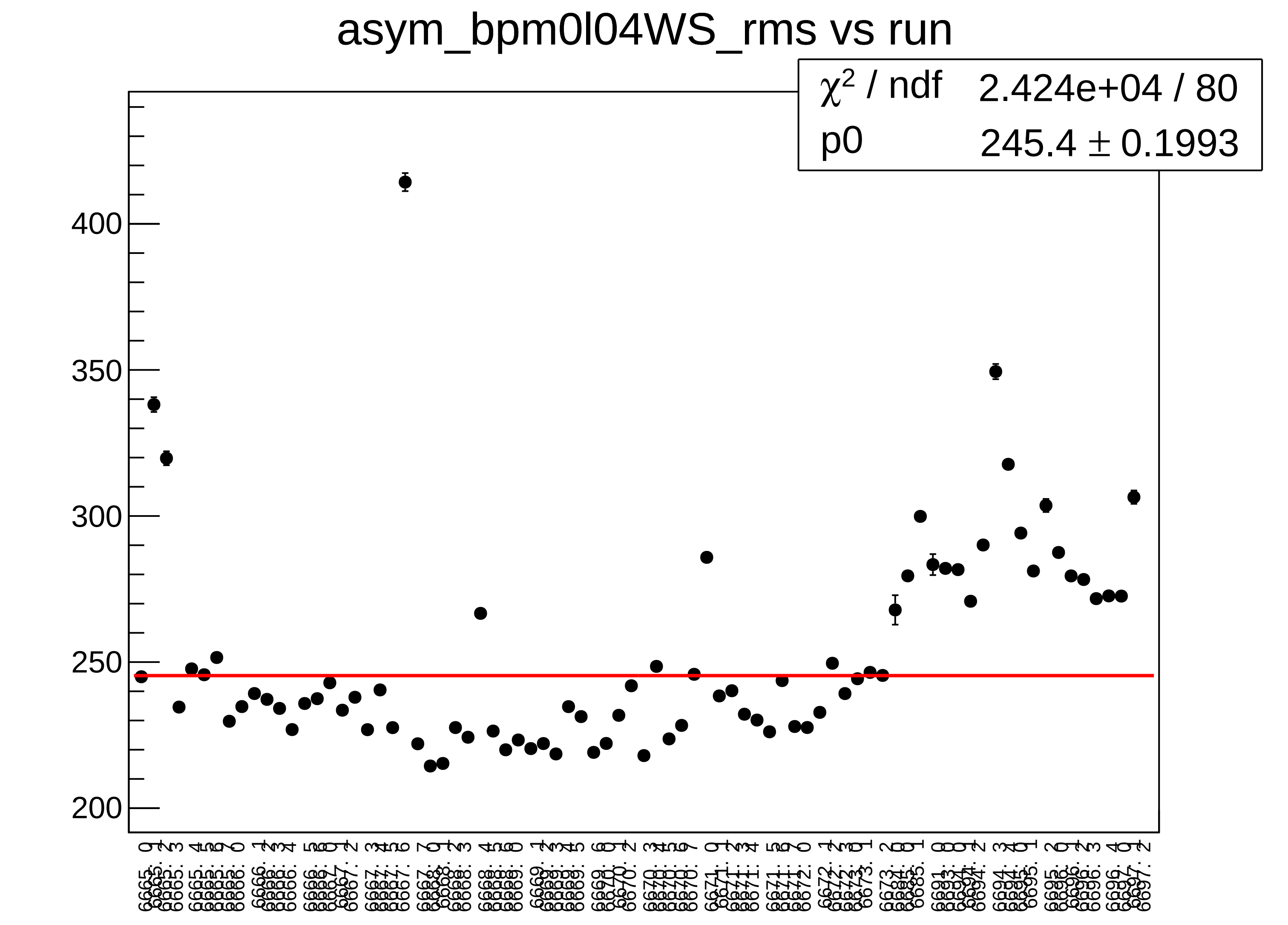


asym_bpm0l03WS_mean vs run
χ^2 / ndf 97.31 / 80
p0 250.5 ± 1282
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 51.39
Std Dev 10.98
pull1D
Entries 81
Mean −0.05211
Std Dev 1.095

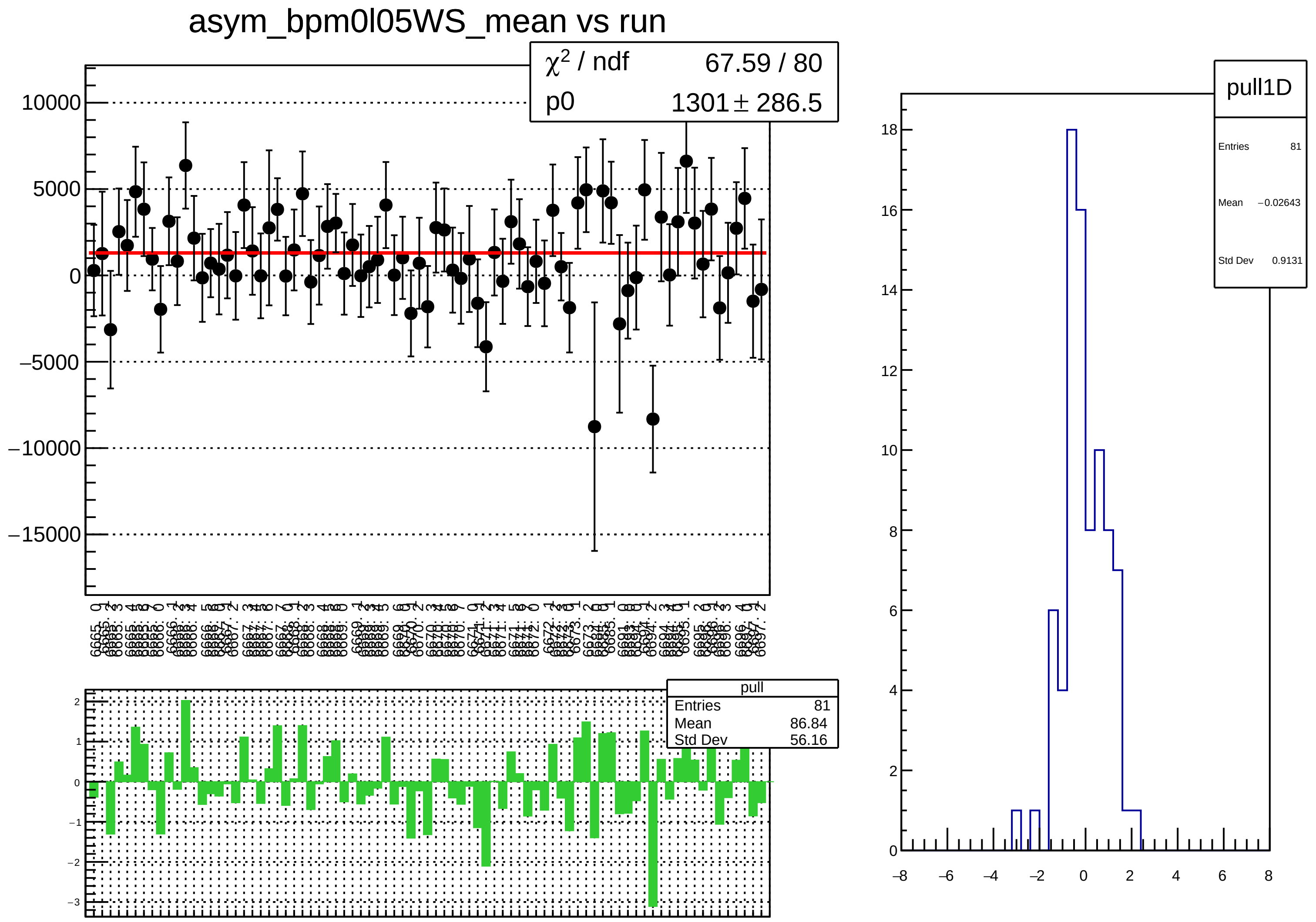

asym_bpm0l03WS_rms vs run
χ^2 / ndf 9.284e+04 / 80
p0 1090 ± 0.9062
2500
2000
1500
1000
500



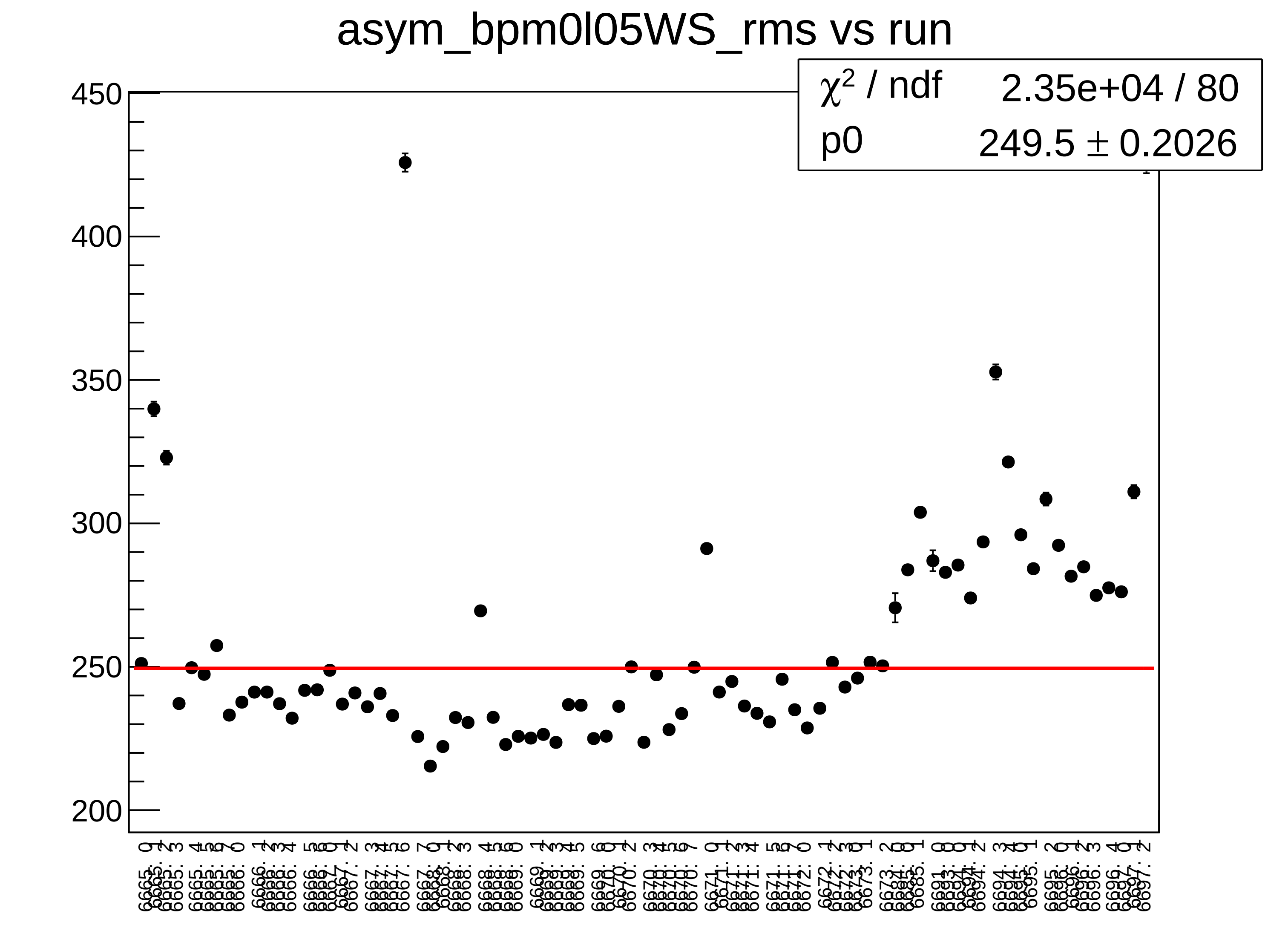
asym_bpm0l04WS_mean vs run
χ^2 / ndf 68.91 / 80
p0 1380 ± 281.9
pull
Entries 81
Mean 89.92
Std Dev 55.68
pull1D
Entries 81
Mean −0.03245
Std Dev 0.9218



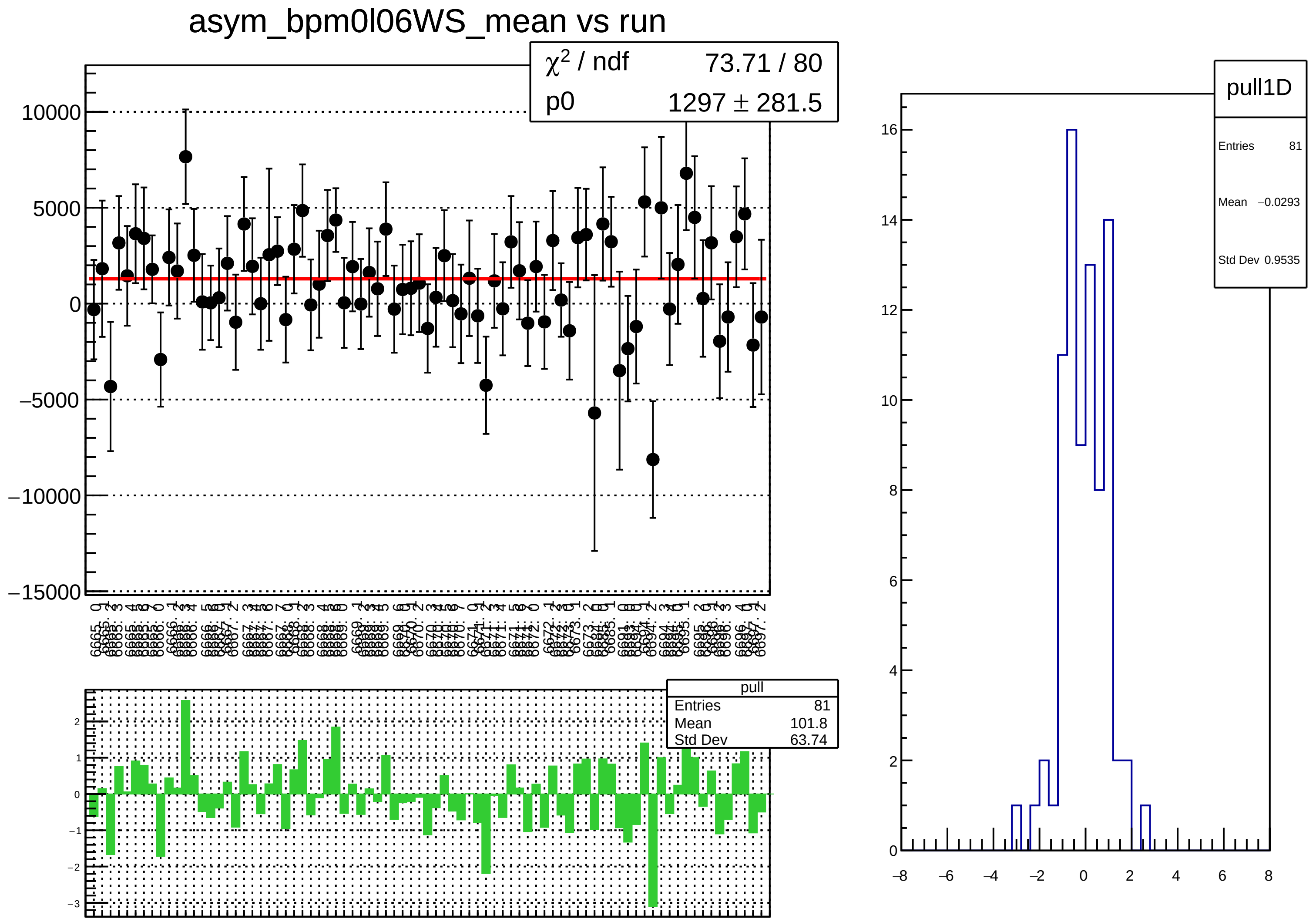
asym_bpm0l04WS_rms vs run
χ^2 / ndf 2.424e+04 / 80
p0 245.4 ± 0.1993
400
350
300
250
200

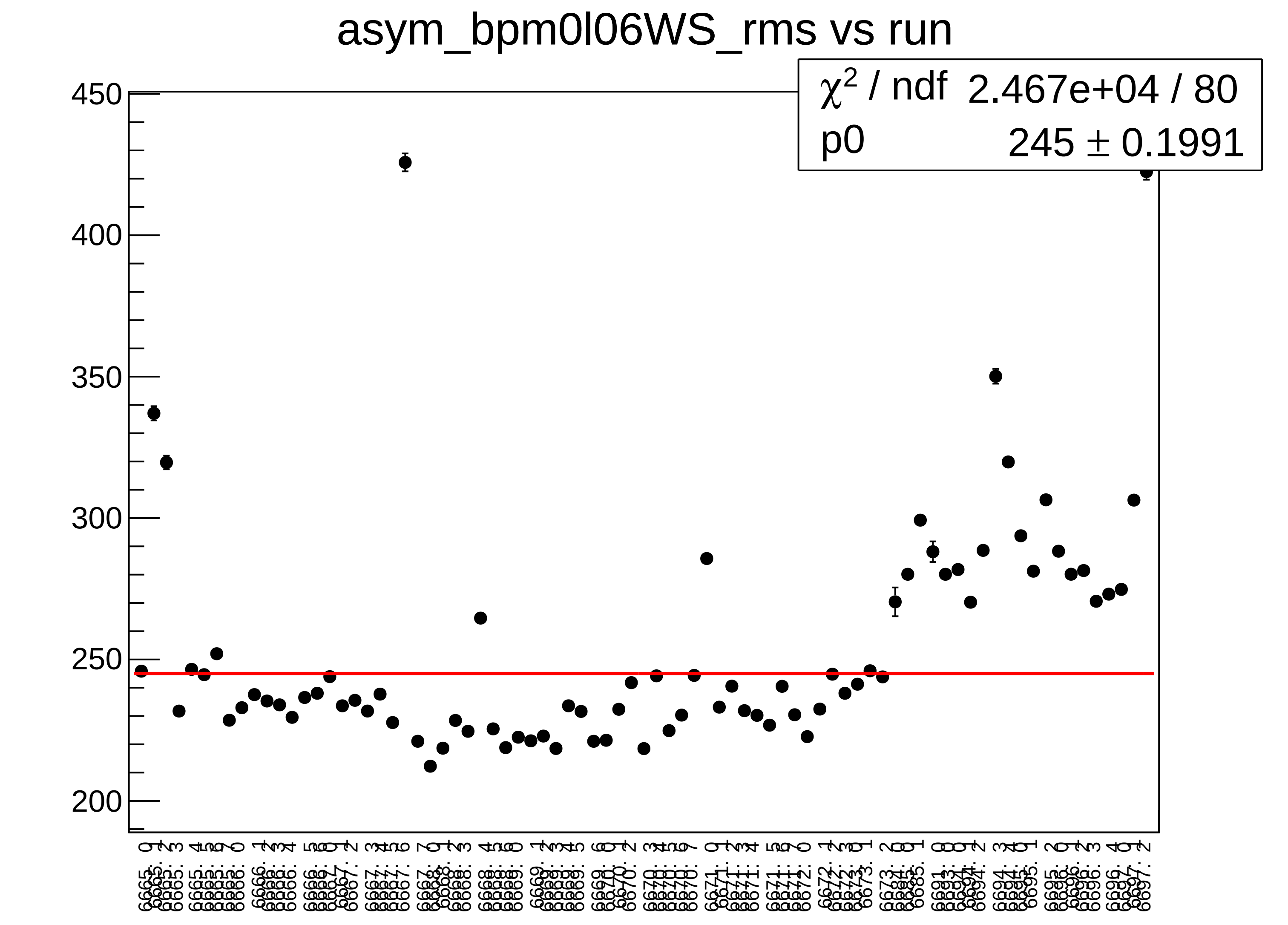


asym_bpm0l05WS_mean vs run
χ^2 / ndf 67.59 / 80
p0 1301 ± 286.5
pull
Entries 81
Mean 86.84
Std Dev 56.16
pull1D
Entries 81
Mean −0.02643
Std Dev 0.9131

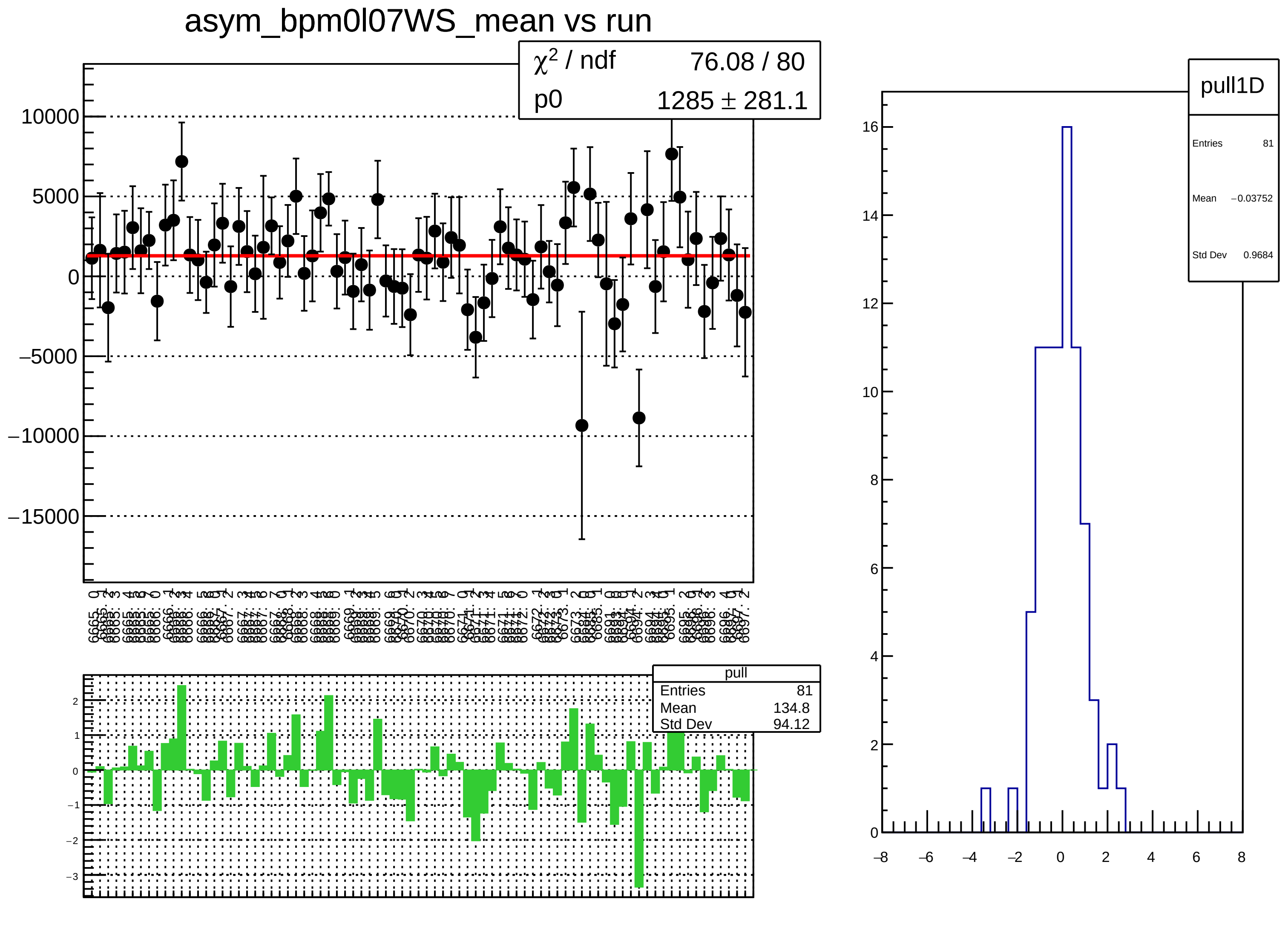


asym_bpm0l05WS_rms vs run
χ^2 / ndf 2.35e+04 / 80
p0 249.5 ± 0.2026
450
400
350
300
250
200

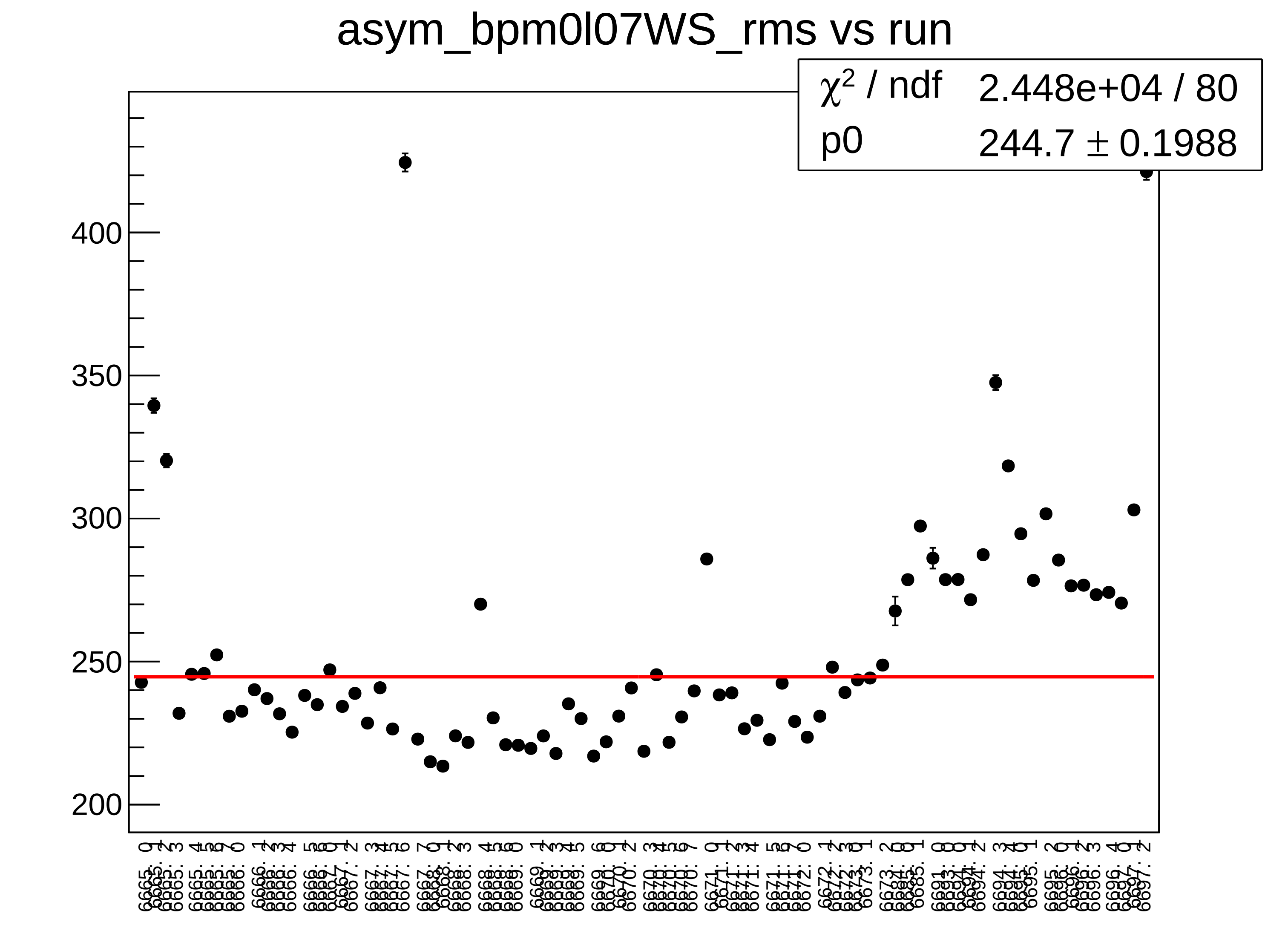

asym_bpm0l06WS_mean vs run
χ^2 / ndf 73.71 / 80
p0 1297 ± 281.5
pull
Entries 81
Mean 101.8
Std Dev 63.74
pull1D
Entries 81
Mean −0.0293
Std Dev 0.9535



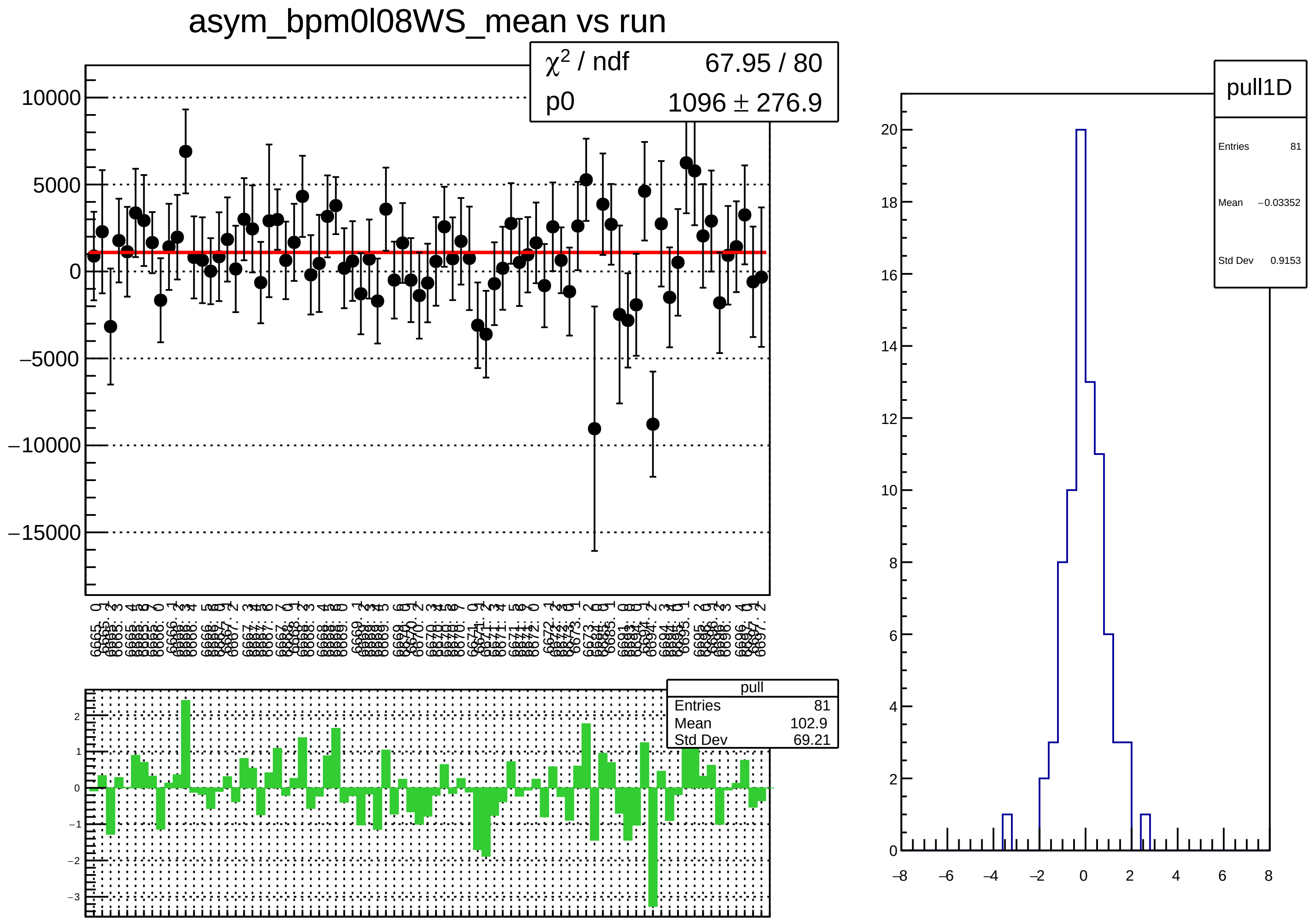
asym_bpm0l06WS_rms vs run
χ2 / ndf 2.467e+04 / 80
p0 245 ± 0.1991
450
400
350
300
250
200



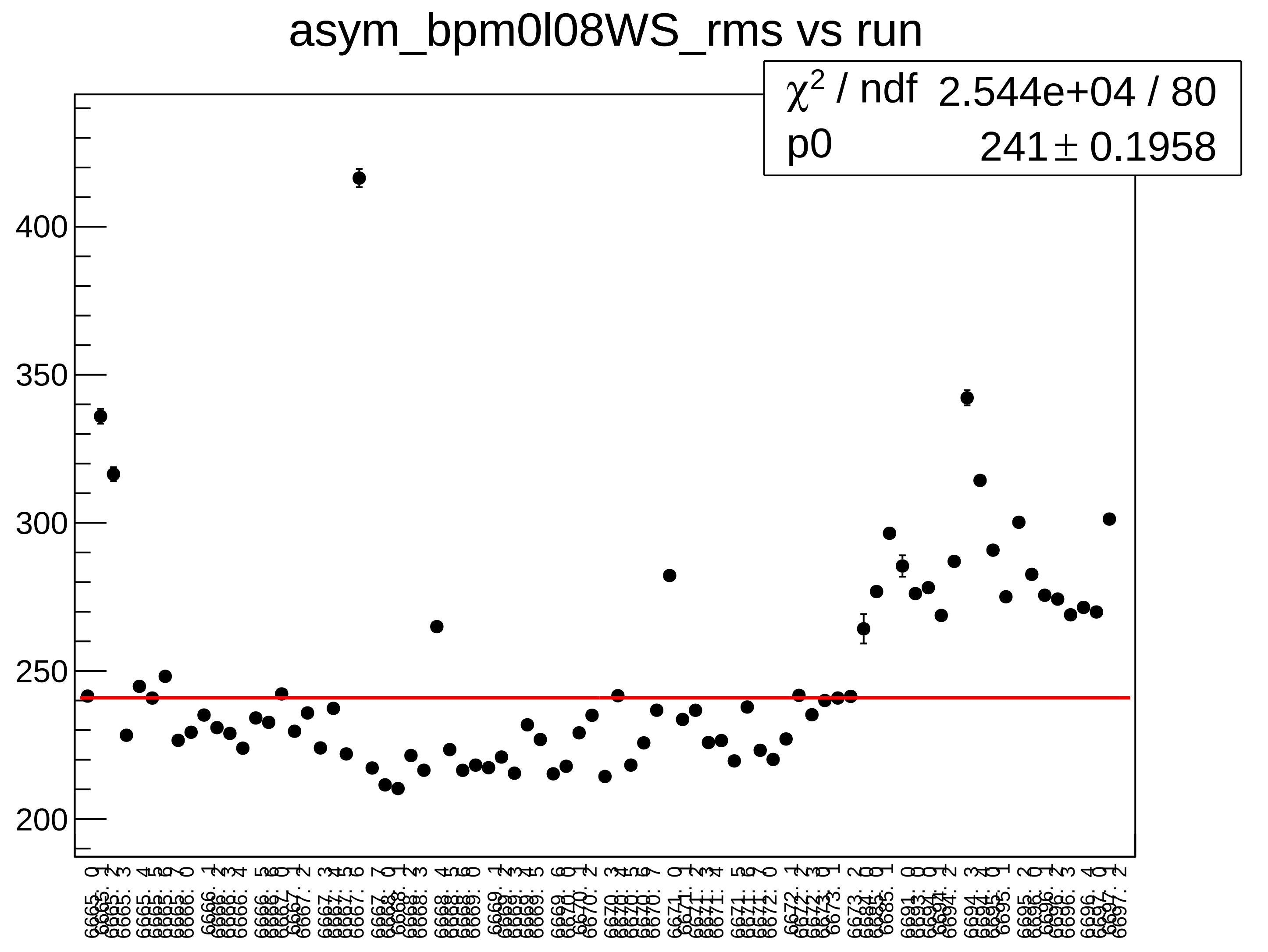
asym_bpm0l07WS_mean vs run
χ^2 / ndf 76.08 / 80
p0 1285 ± 281.1
pull
Entries 81
Mean 134.8
Std Dev 94.12
pull1D
Entries 81
Mean −0.03752
Std Dev 0.9684



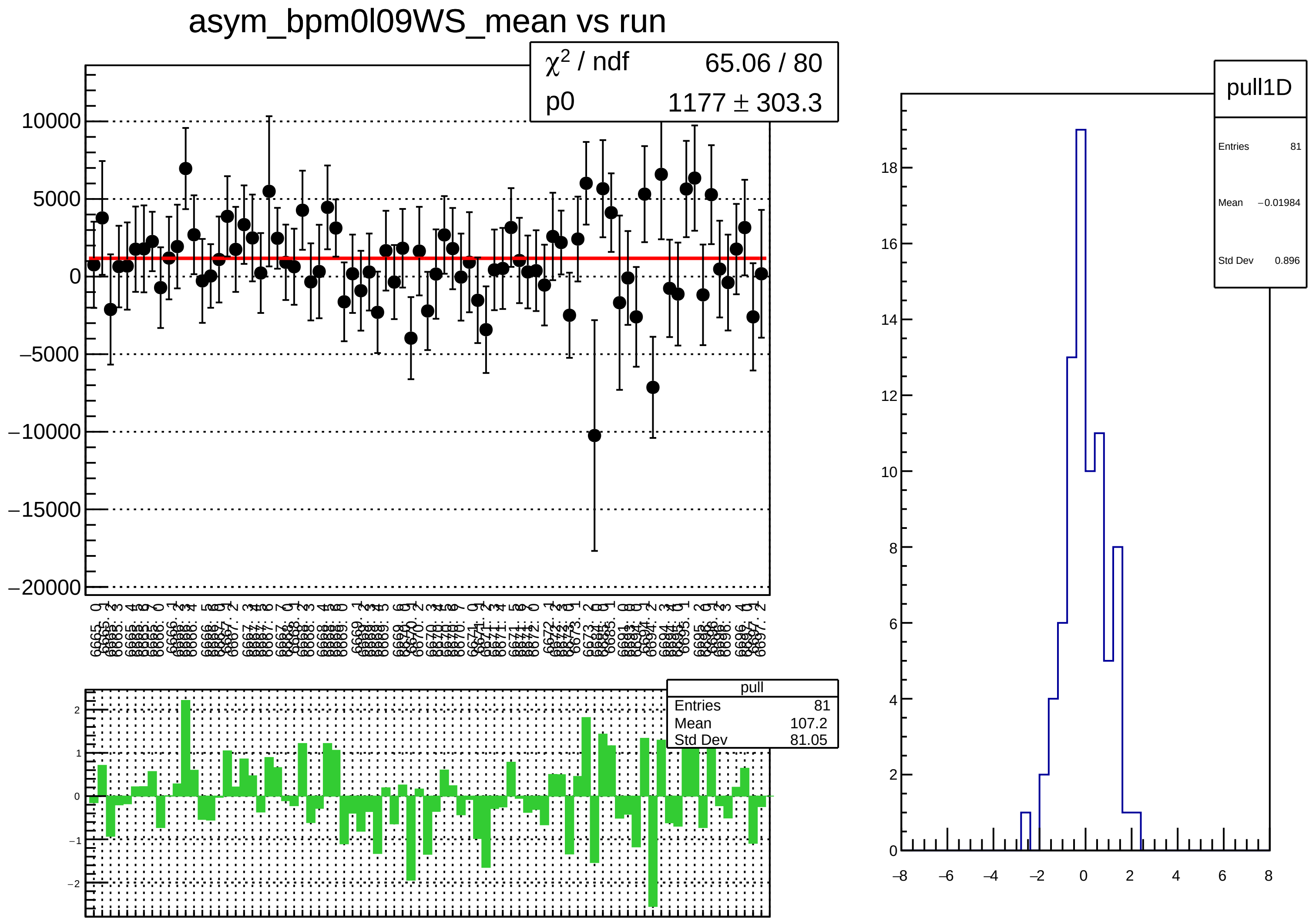
asym_bpm0l07WS_rms vs run
χ^2 / ndf 2.448e+04 / 80
p0 244.7 ± 0.1988
400
350
300
250
200

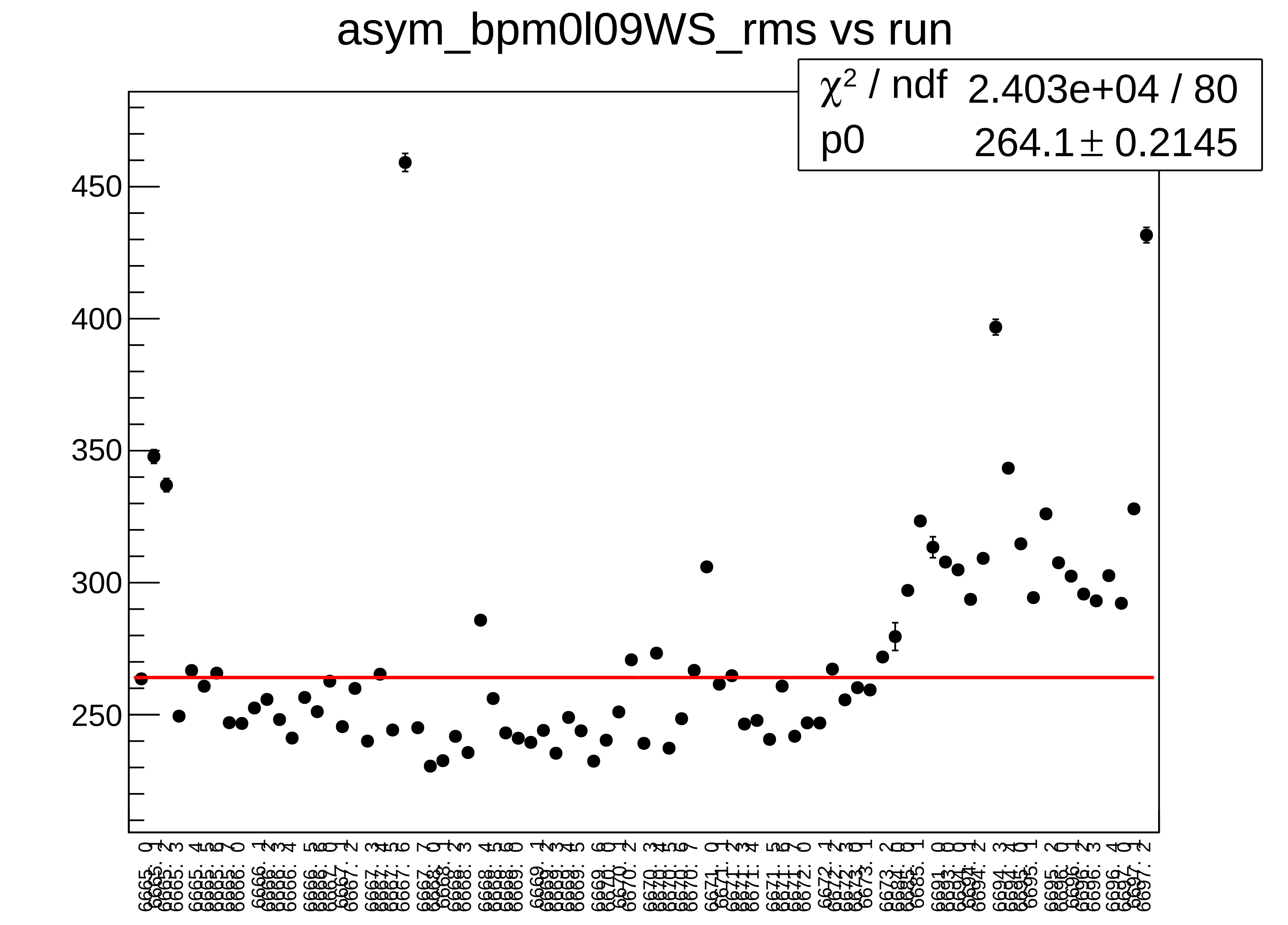


asym_bpm0l08WS_mean vs run
χ^2 / ndf 67.95 / 80
p0 1096 ± 276.9
pull
Entries 81
Mean 102.9
Std Dev 69.21
pull1D
Entries 81
Mean −0.03352
Std Dev 0.9153

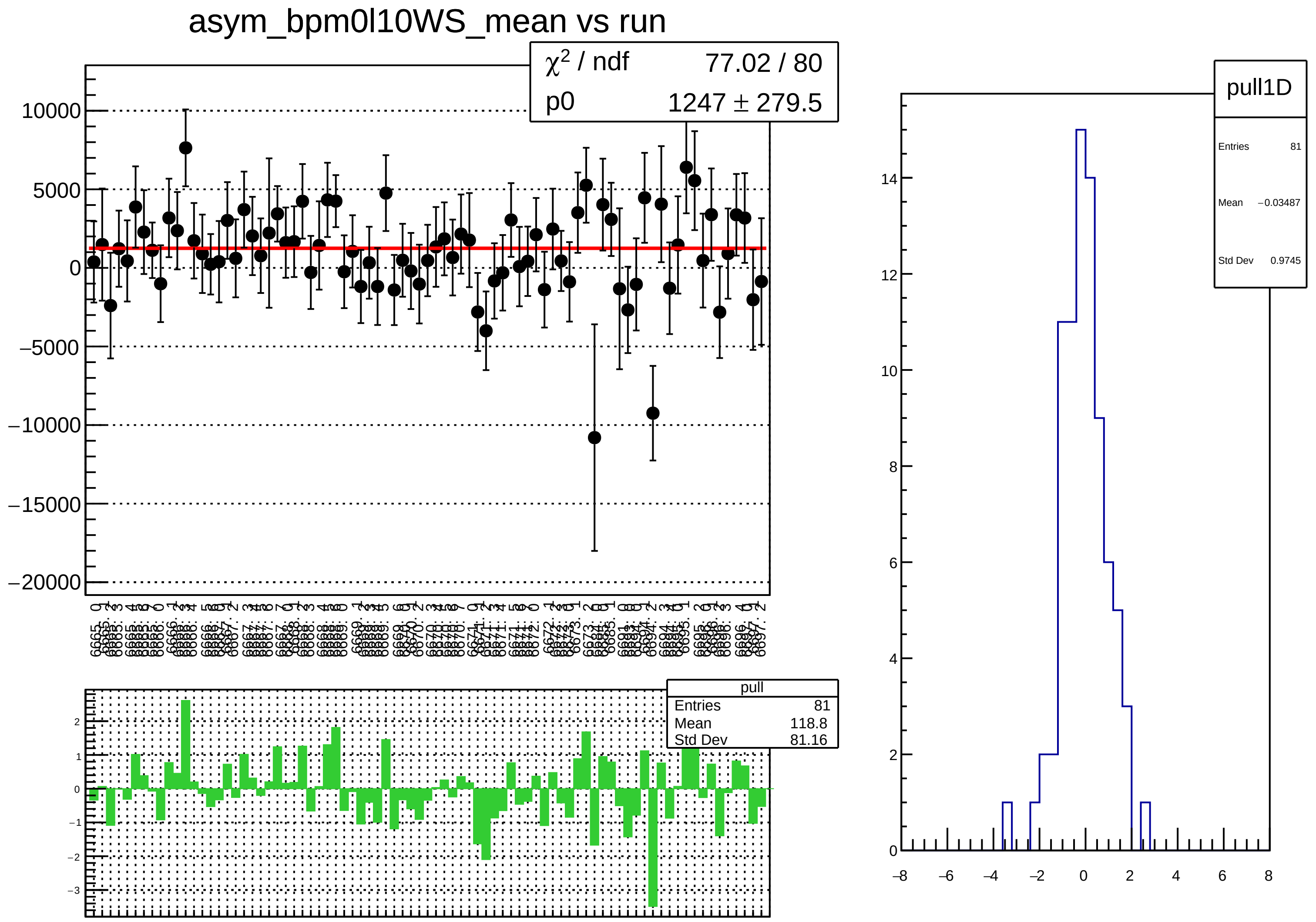


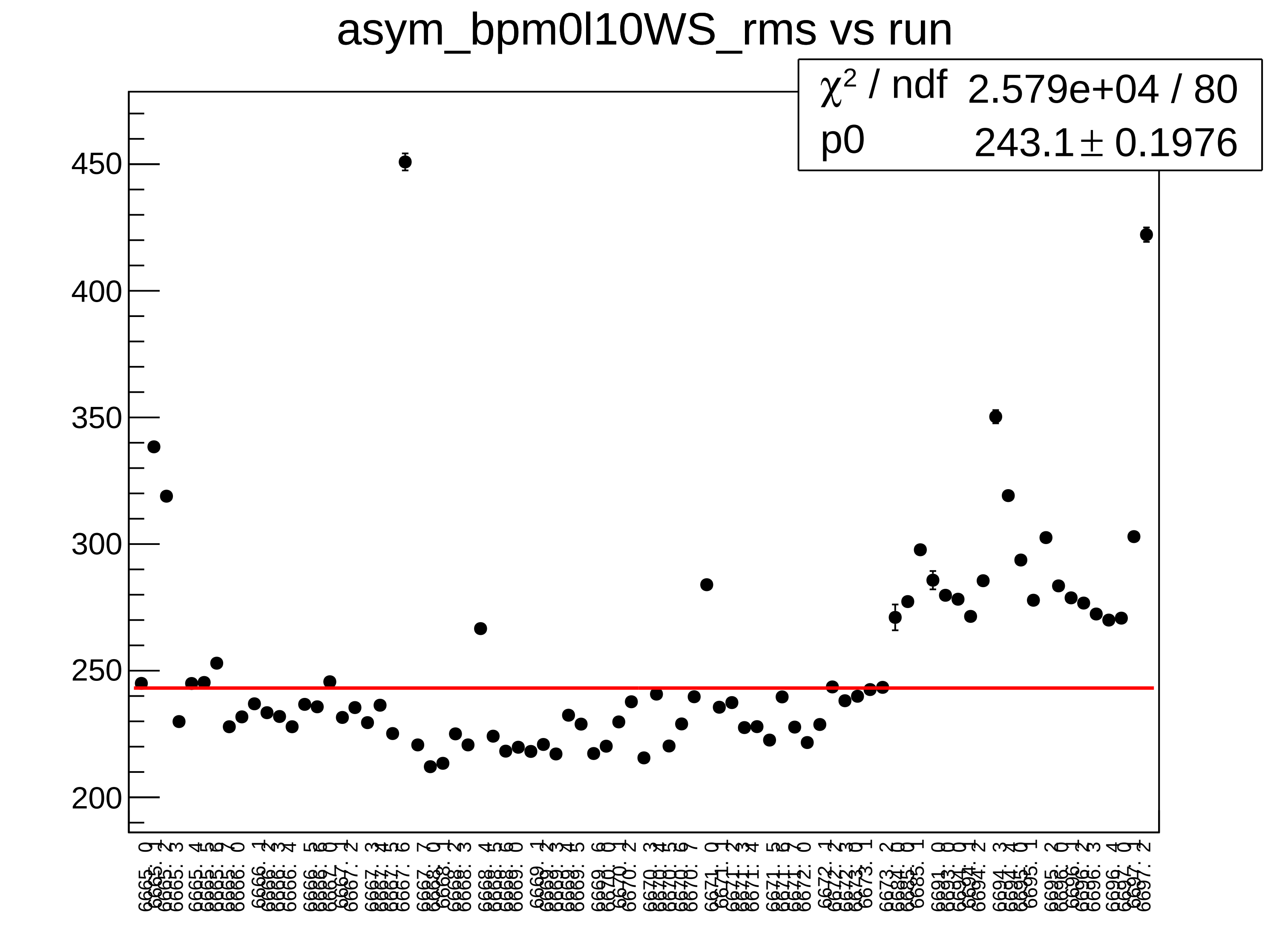
asym_bpm0l08WS_rms vs run
χ^2 / ndf 2.544e+04 / 80
p0 241 ± 0.1958
400
350
300
250
200


asym_bpm0l09WS_mean vs run
χ^2 / ndf 65.06 / 80
p0 1177 ± 303.3
pull
Entries 81
Mean 107.2
Std Dev 81.05
pull1D
Entries 81
Mean −0.01984
Std Dev 0.896

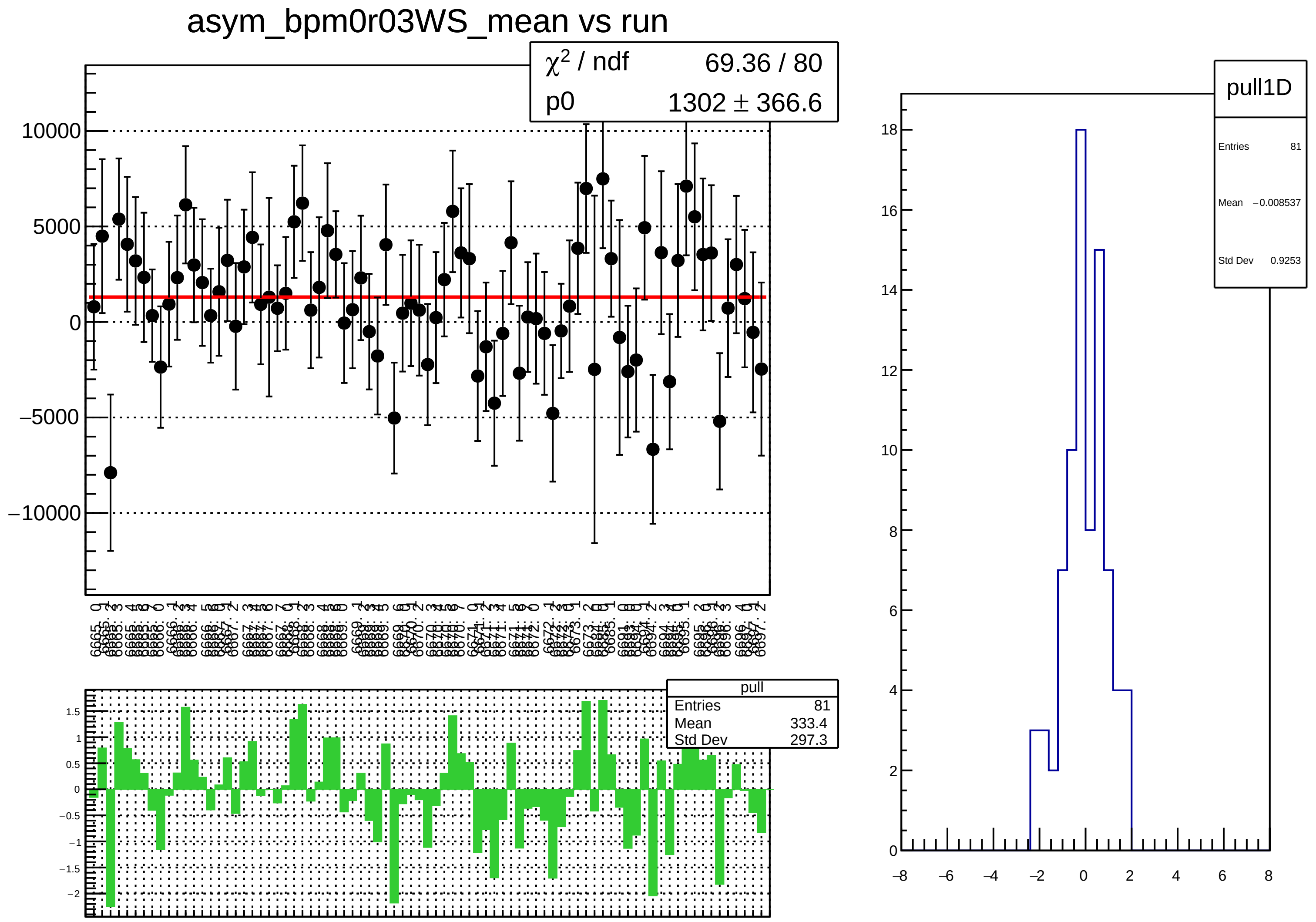


asym_bpm0l09WS_rms vs run
χ^2 / ndf 2.403e+04 / 80
p0 264.1 ± 0.2145
450
400
350
300
250

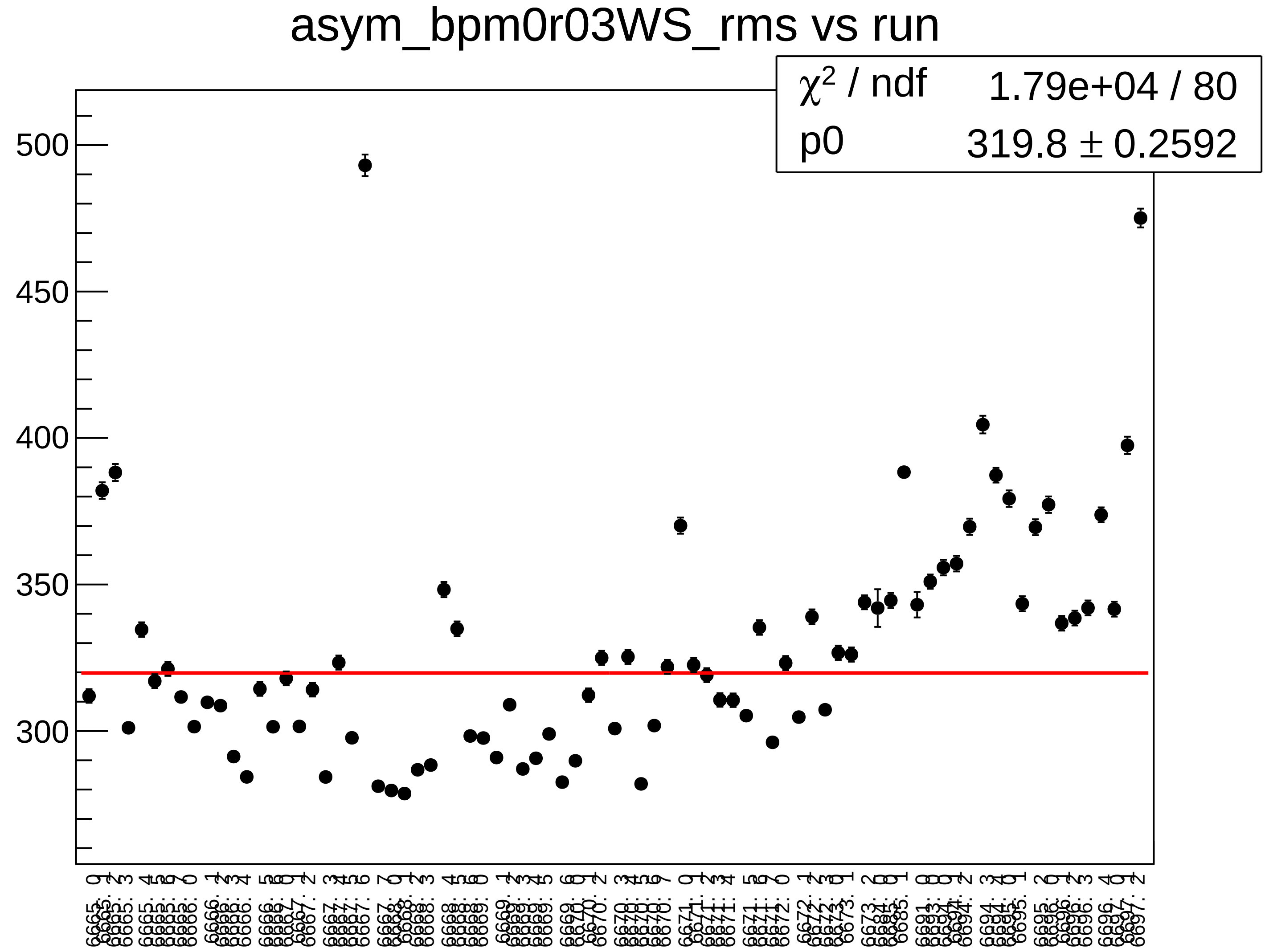

asym_bpm0l10WS_mean vs run
χ2 / ndf 77.02 / 80
p0 1247 ± 279.5
pull
Entries 81
Mean 118.8
Std Dev 81.16
pull1D
Entries 81
Mean −0.03487
Std Dev 0.9745



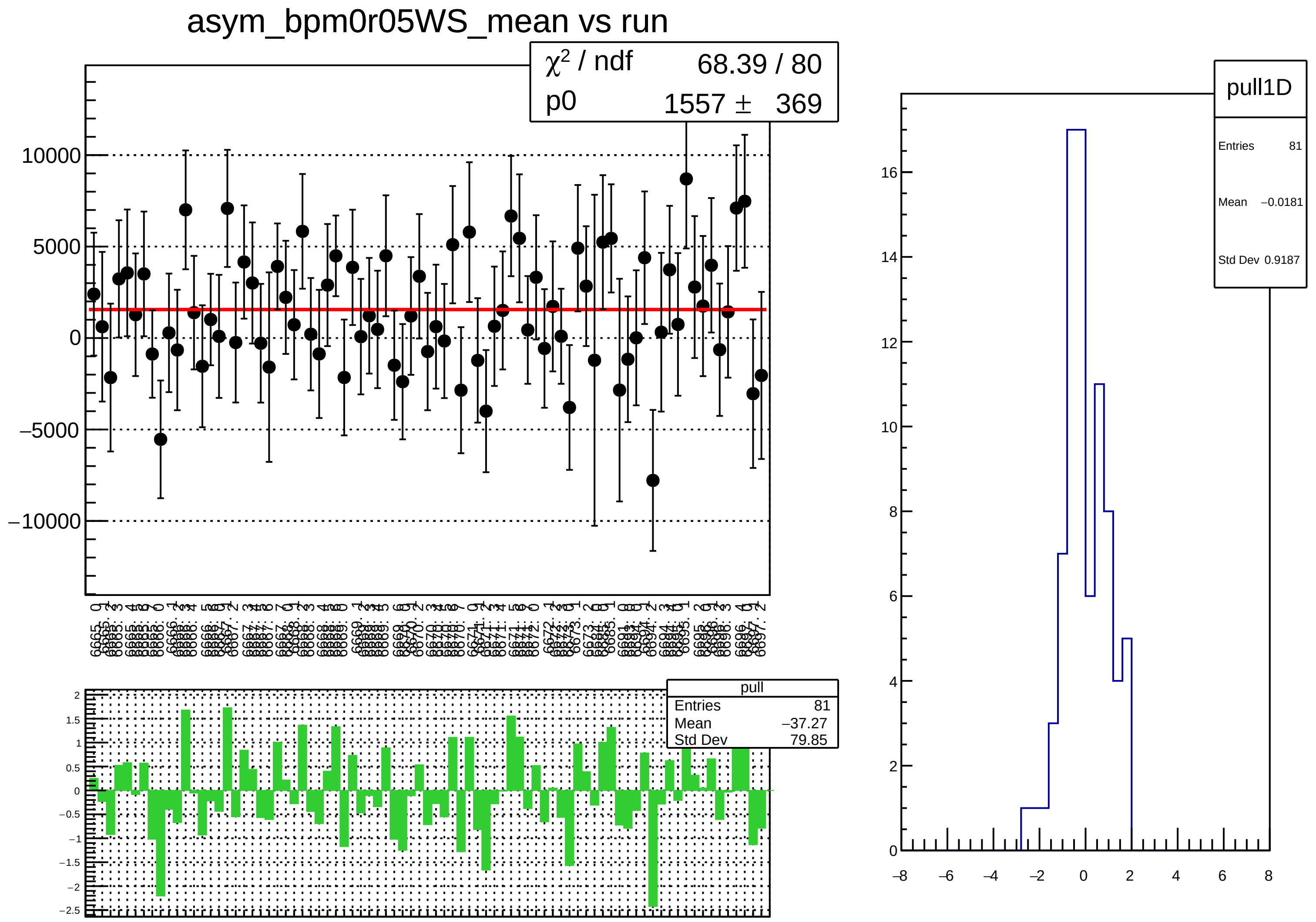
asym_bpm0l10WS_rms vs run
χ^2 / ndf 2.579e+04 / 80
p0 243.1 ± 0.1976
450
400
350
300
250
200



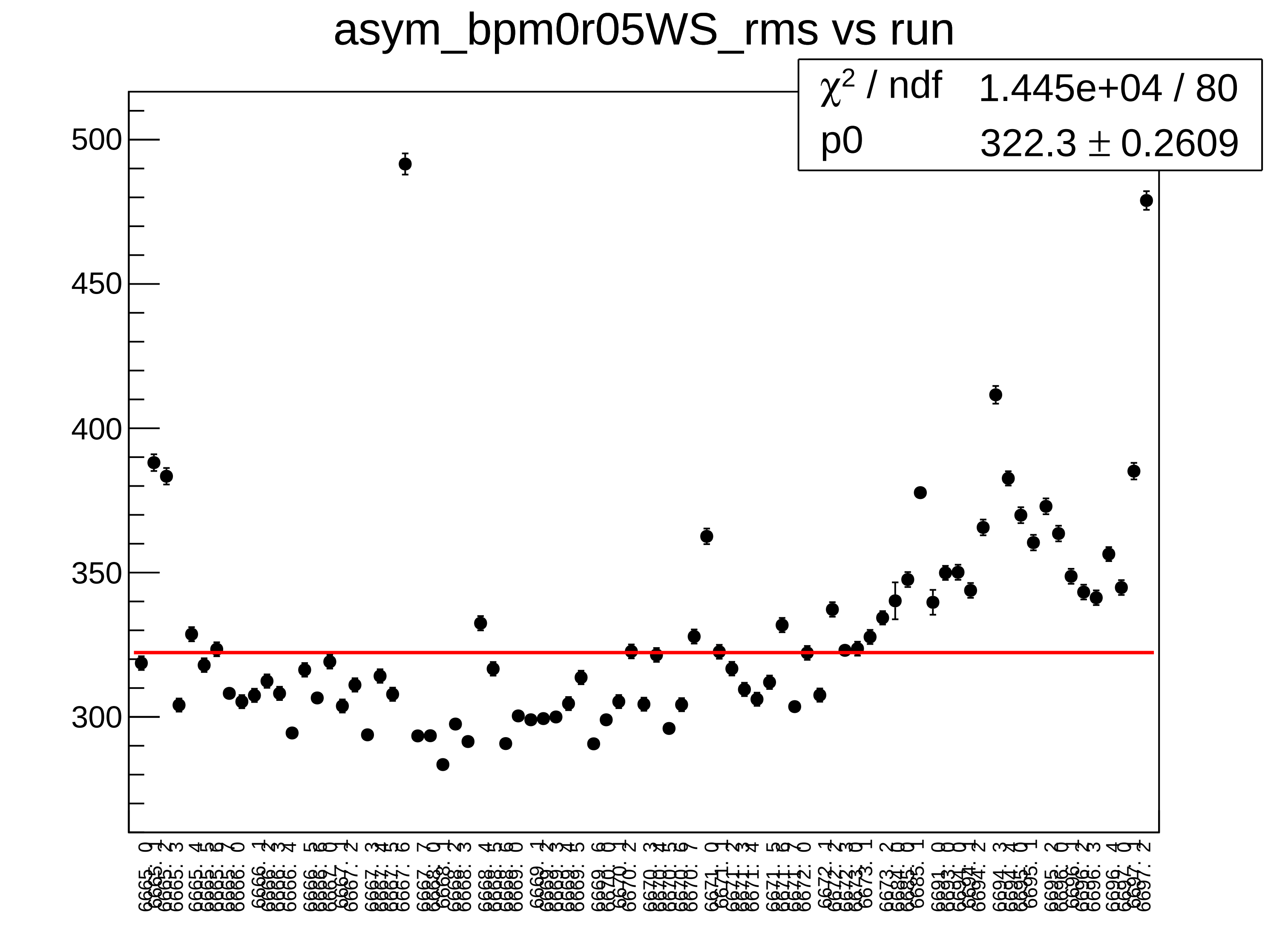
asym_bpm0r03WS_mean vs run
χ2 / ndf 69.36 / 80
p0 1302 ± 366.6
pull
Entries 81
Mean 333.4
Std Dev 297.3
pull1D
Entries 81
Mean −0.008537
Std Dev 0.9253



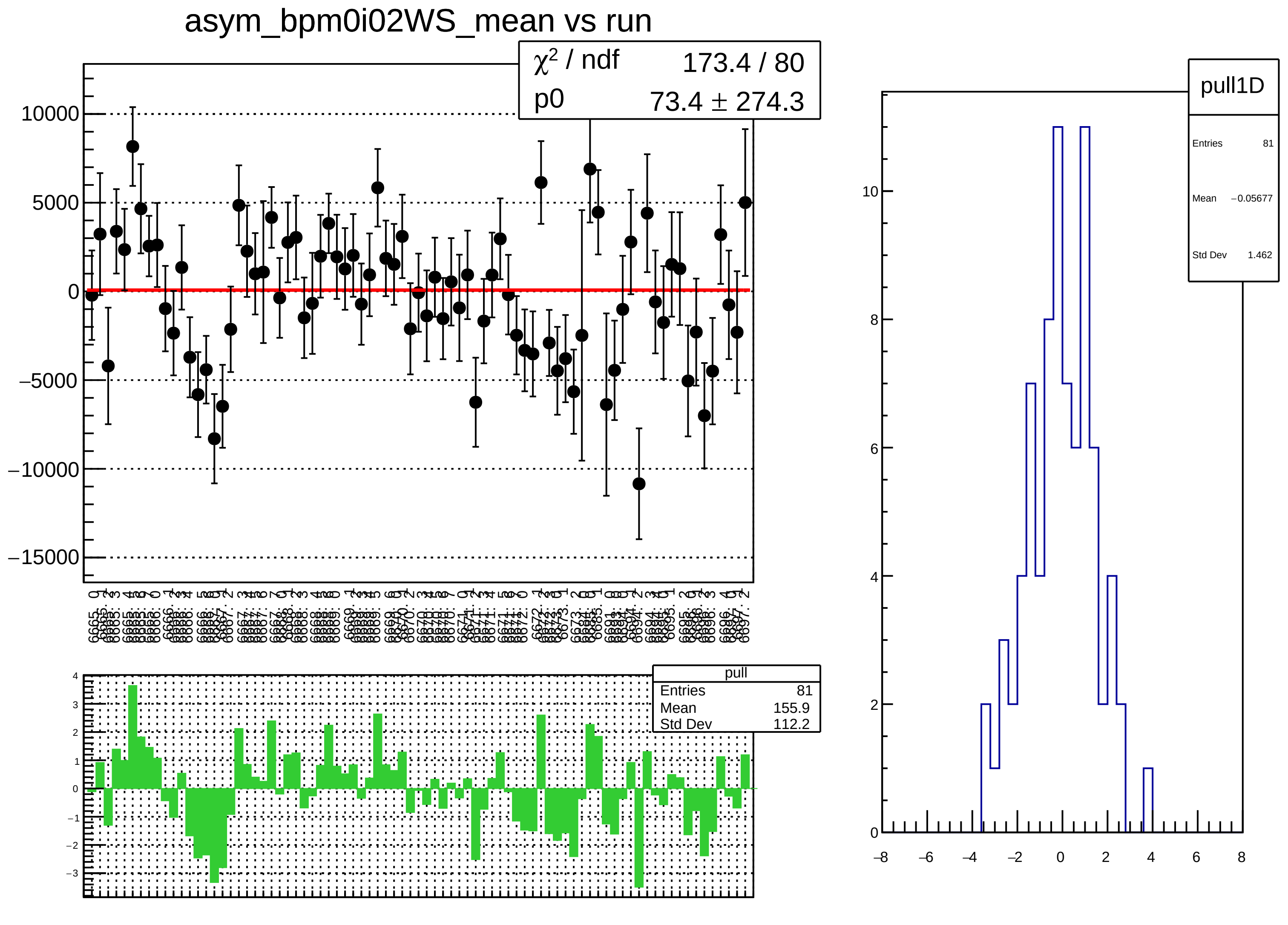
asym_bpm0r03WS_rms vs run
χ^2 / ndf 1.79e+04 / 80
p0 319.8 ± 0.2592
500
450
400
350
300



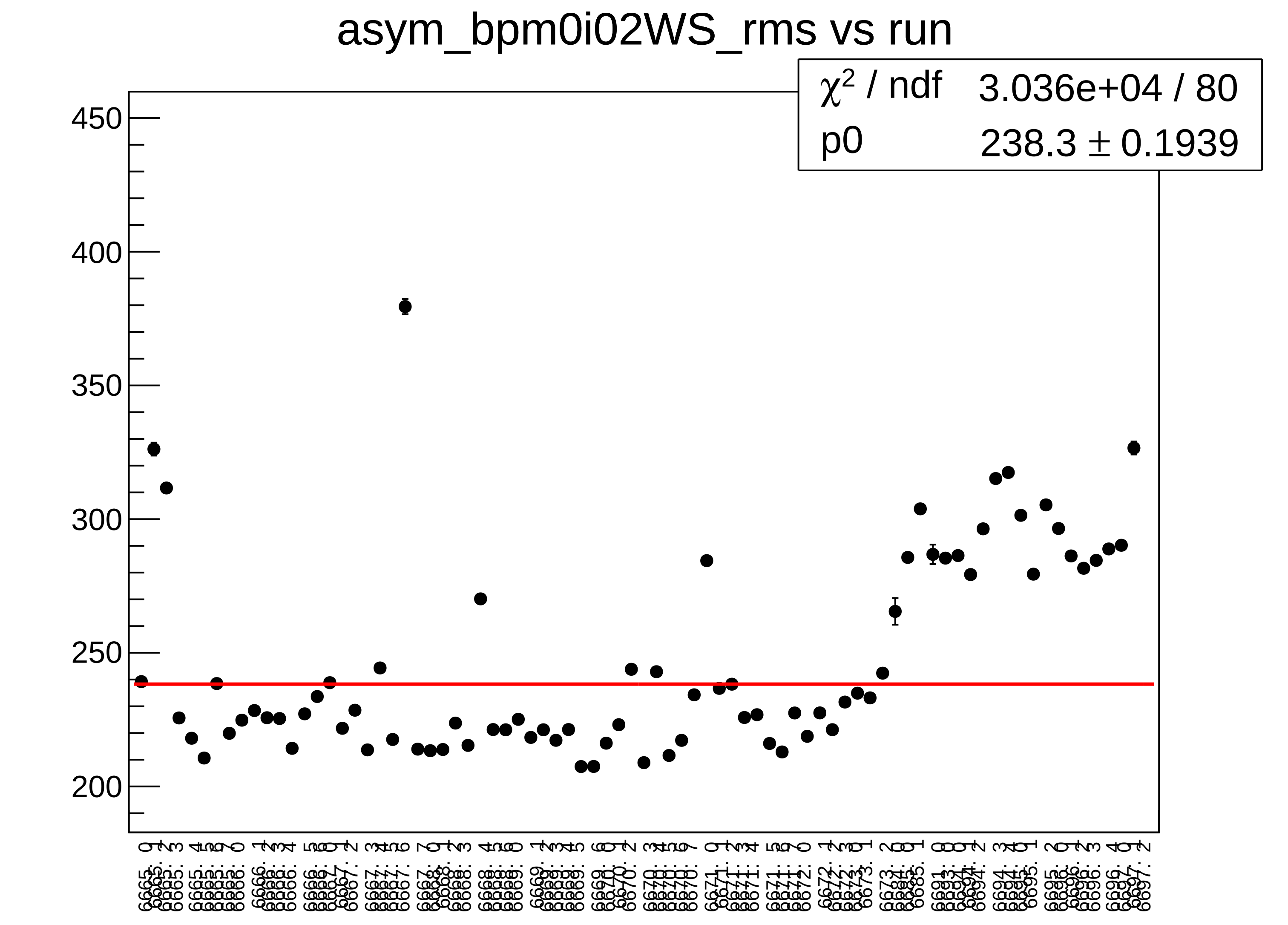
asym_bpm0r05WS_mean vs run
χ^2 / ndf 68.39 / 80
p0 1557 ± 369
pull
Entries 81
Mean −37.27
Std Dev 79.85
pull1D
Entries 81
Mean −0.0181
Std Dev 0.9187



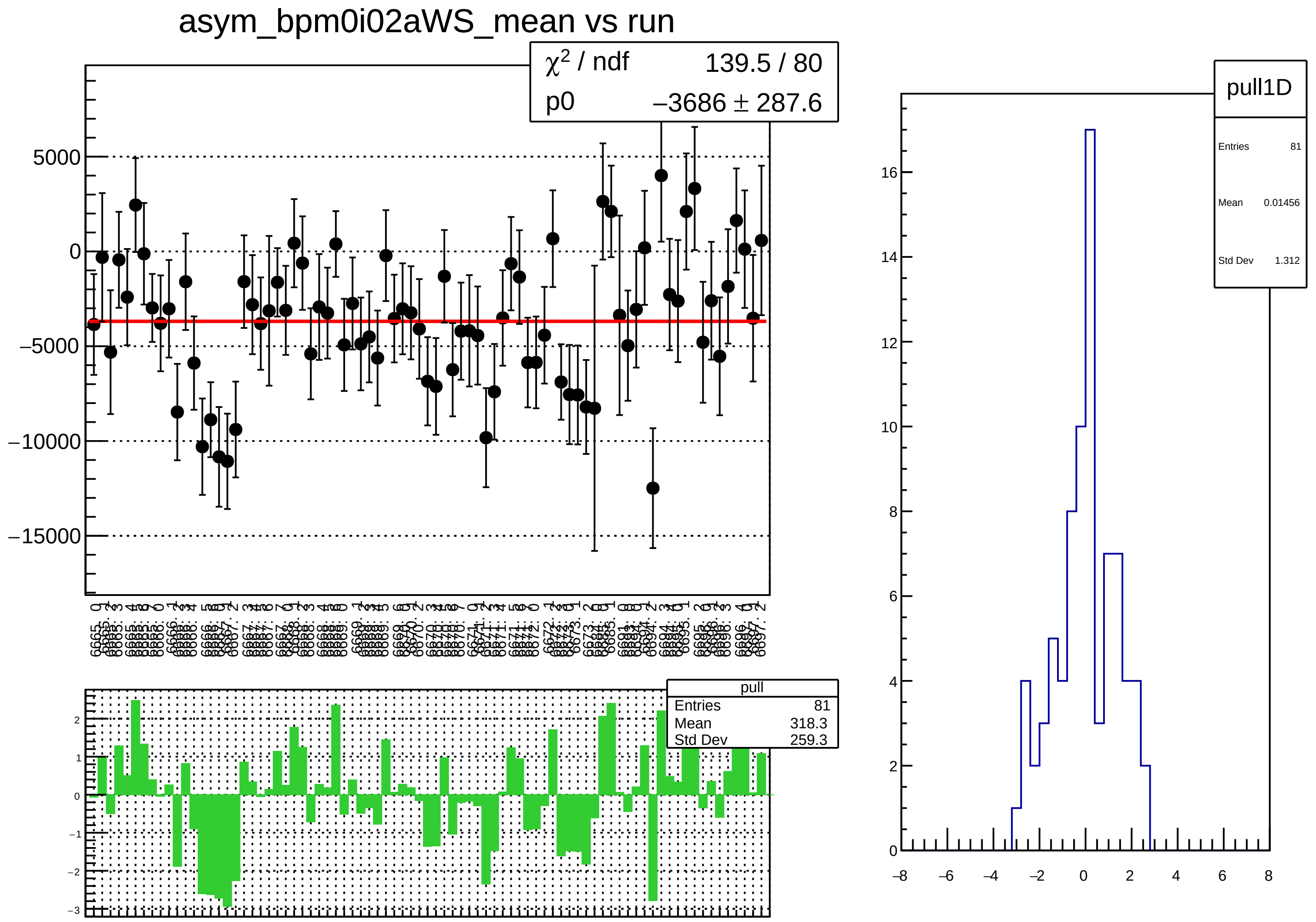
asym_bpm0r05WS_rms vs run
χ^2 / ndf 1.445e+04 / 80
p0 322.3 ± 0.2609
500
450
400
350
300



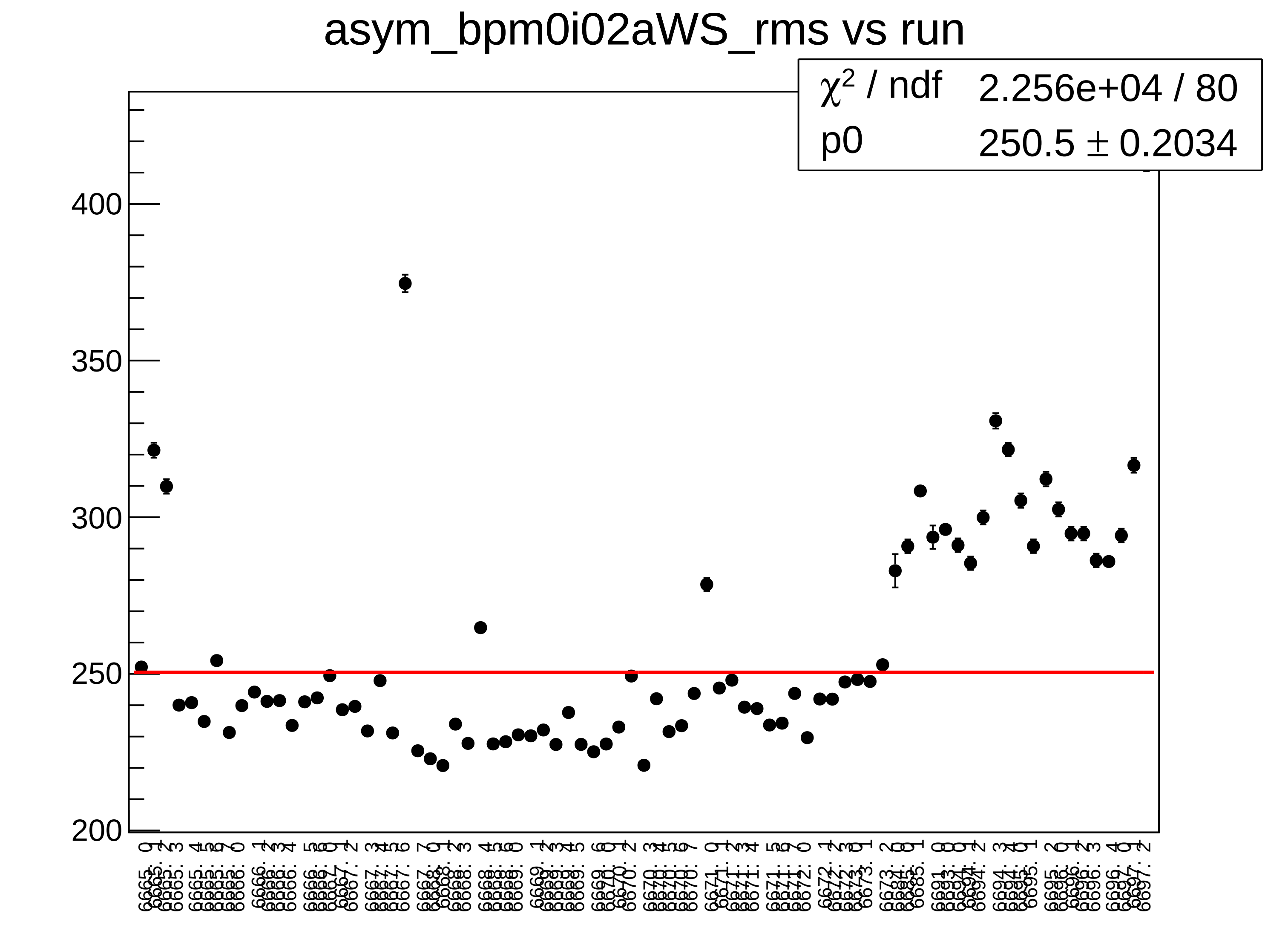
asym_bpm0i02WS_mean vs run
χ2 / ndf 173.4 / 80
p0 73.4 ± 274.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 155.9
Std Dev 112.2
pull1D
Entries 81
Mean −0.05677
Std Dev 1.462

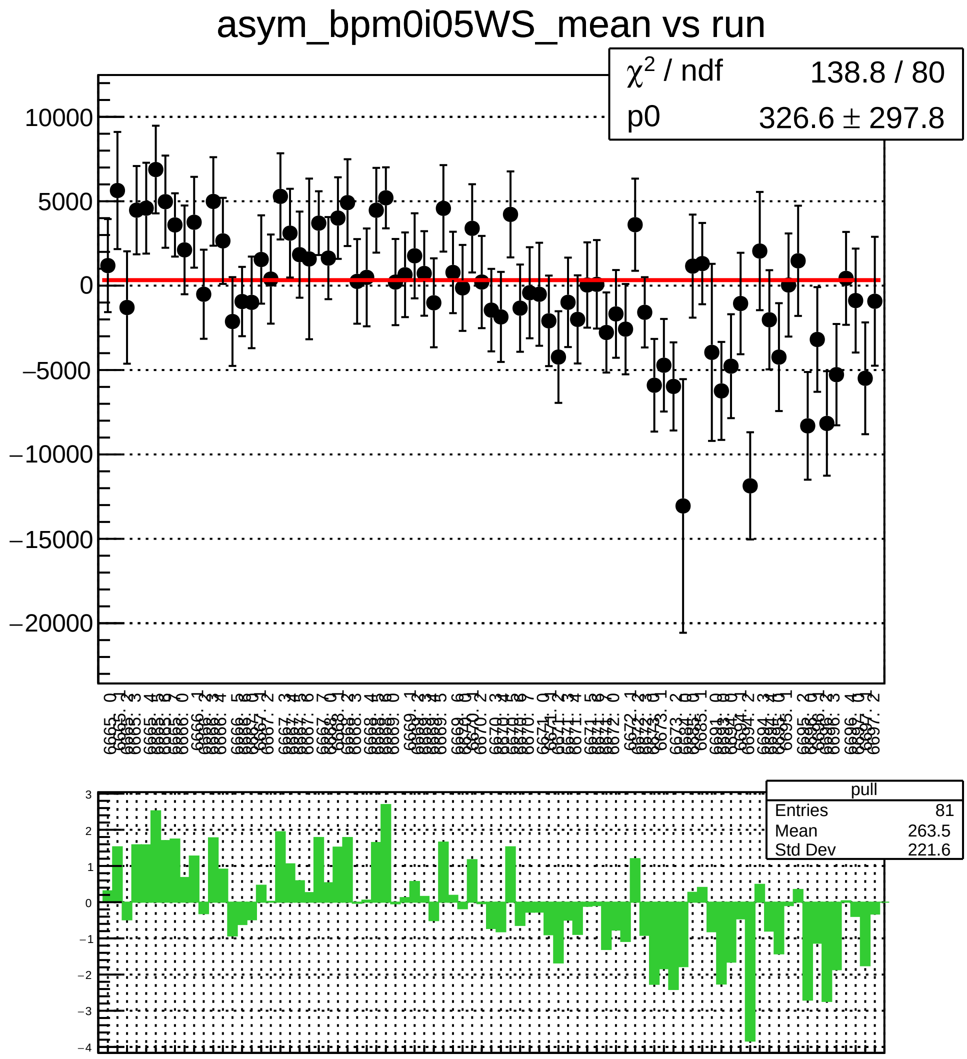


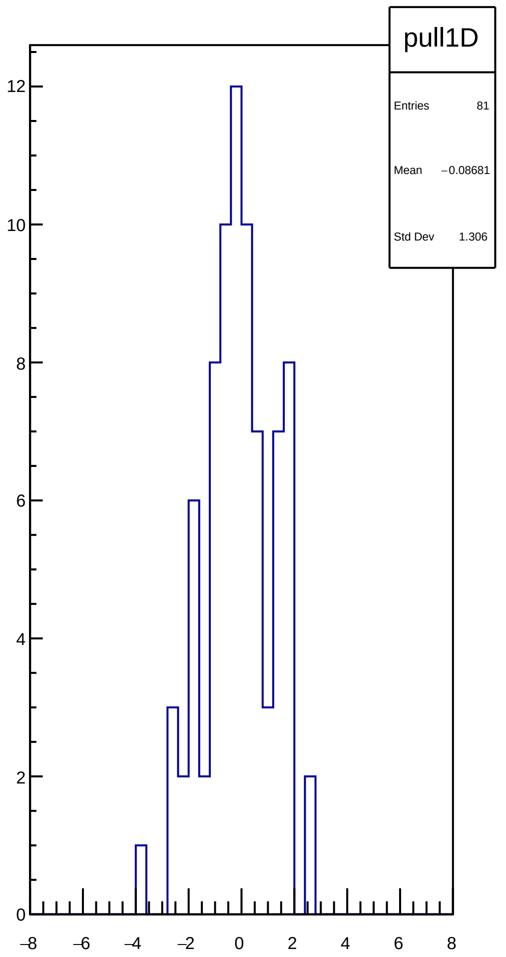
asym_bpm0i02WS_rms vs run
χ^2 / ndf 3.036e+04 / 80
p0 238.3 ± 0.1939
450
400
350
300
250
200

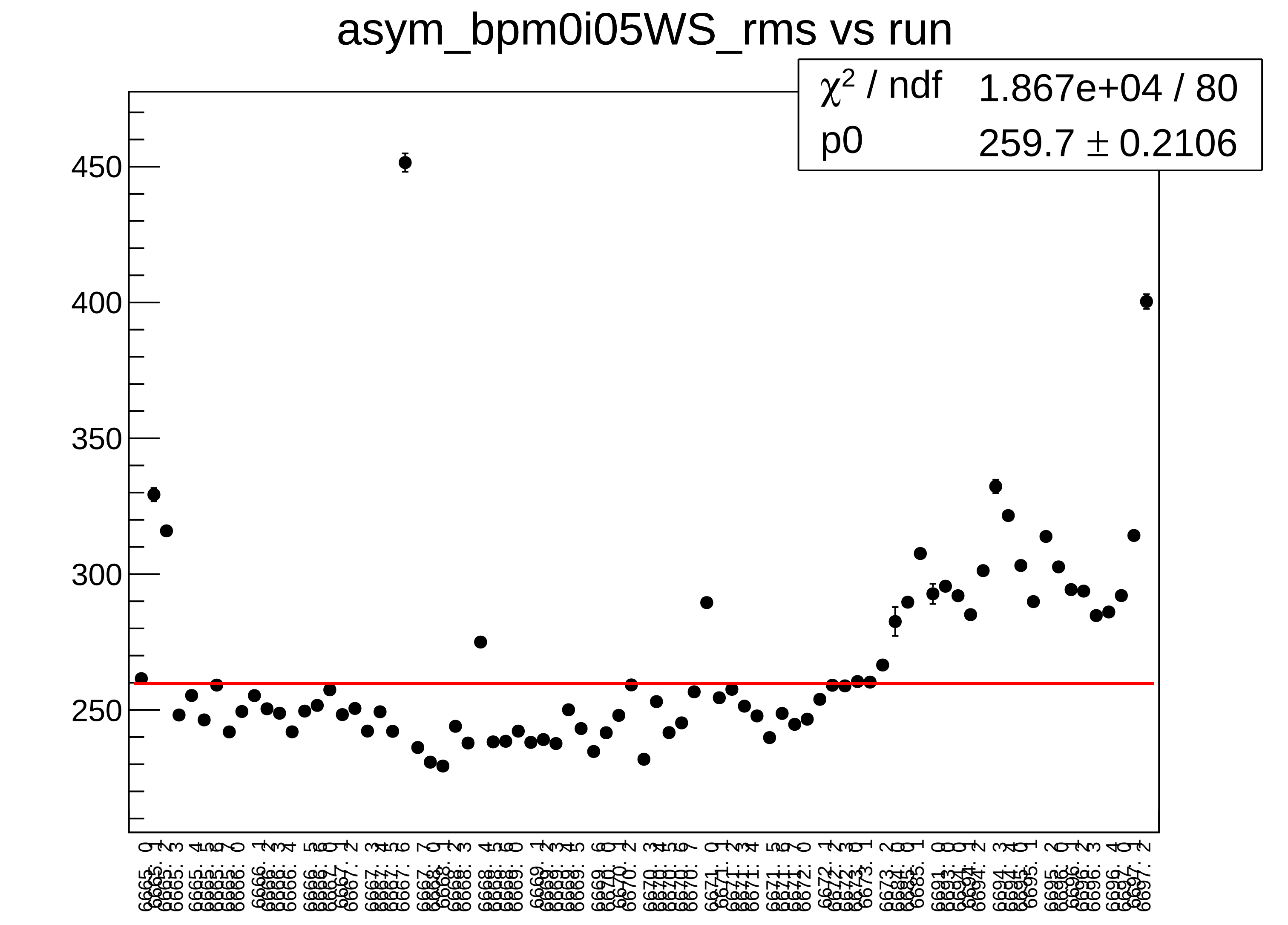


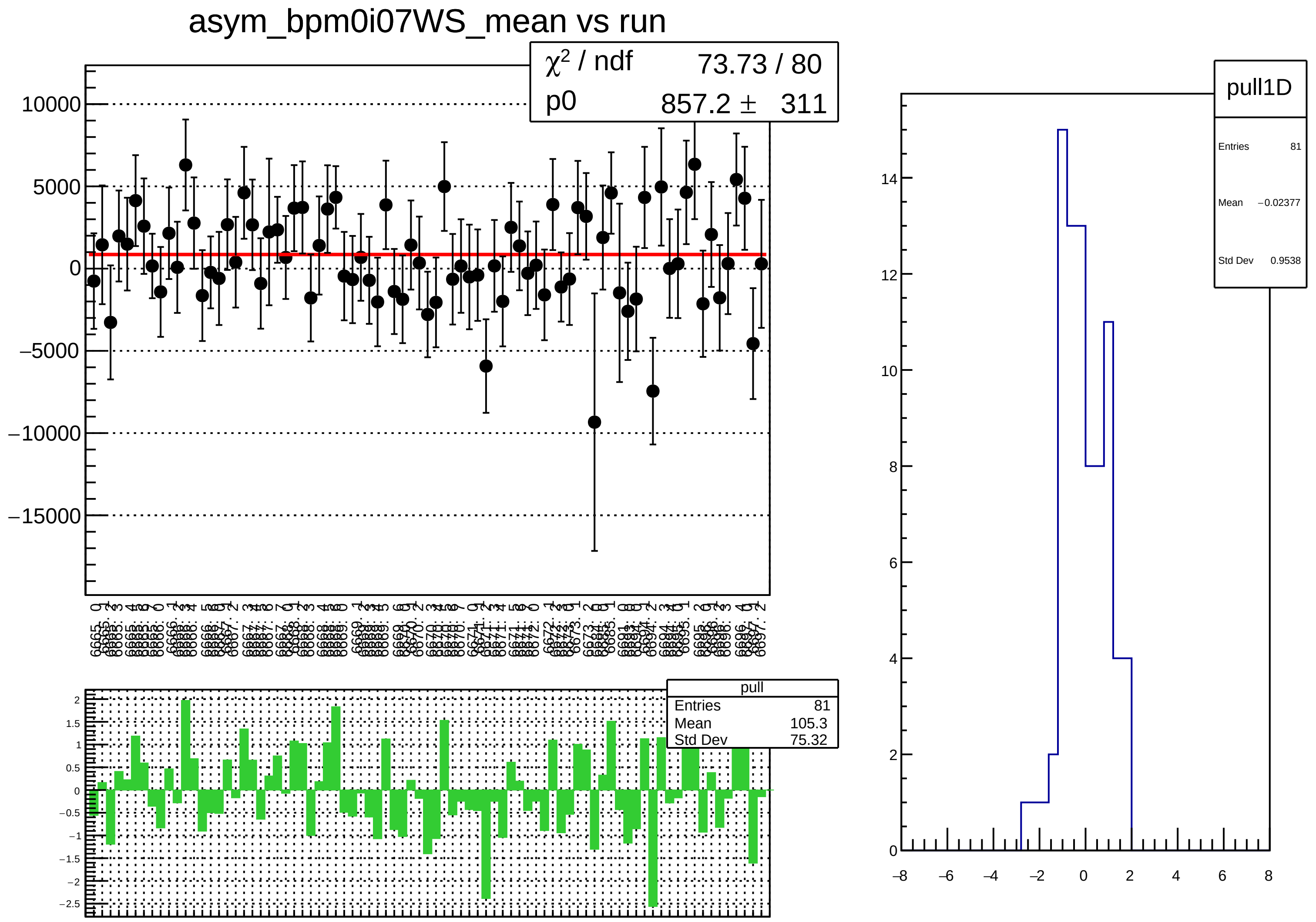
asym_bpm0i02aWS_mean vs run
χ^2 / ndf 139.5 / 80
p0 −3686 ± 287.6
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 318.3
Std Dev 259.3
pull1D
Entries 81
Mean 0.01456
Std Dev 1.312


asym_bpm0i02aWS_rms vs run
χ^2 / ndf 2.256e+04 / 80
p0 250.5 ± 0.2034
400
350
300
250
200

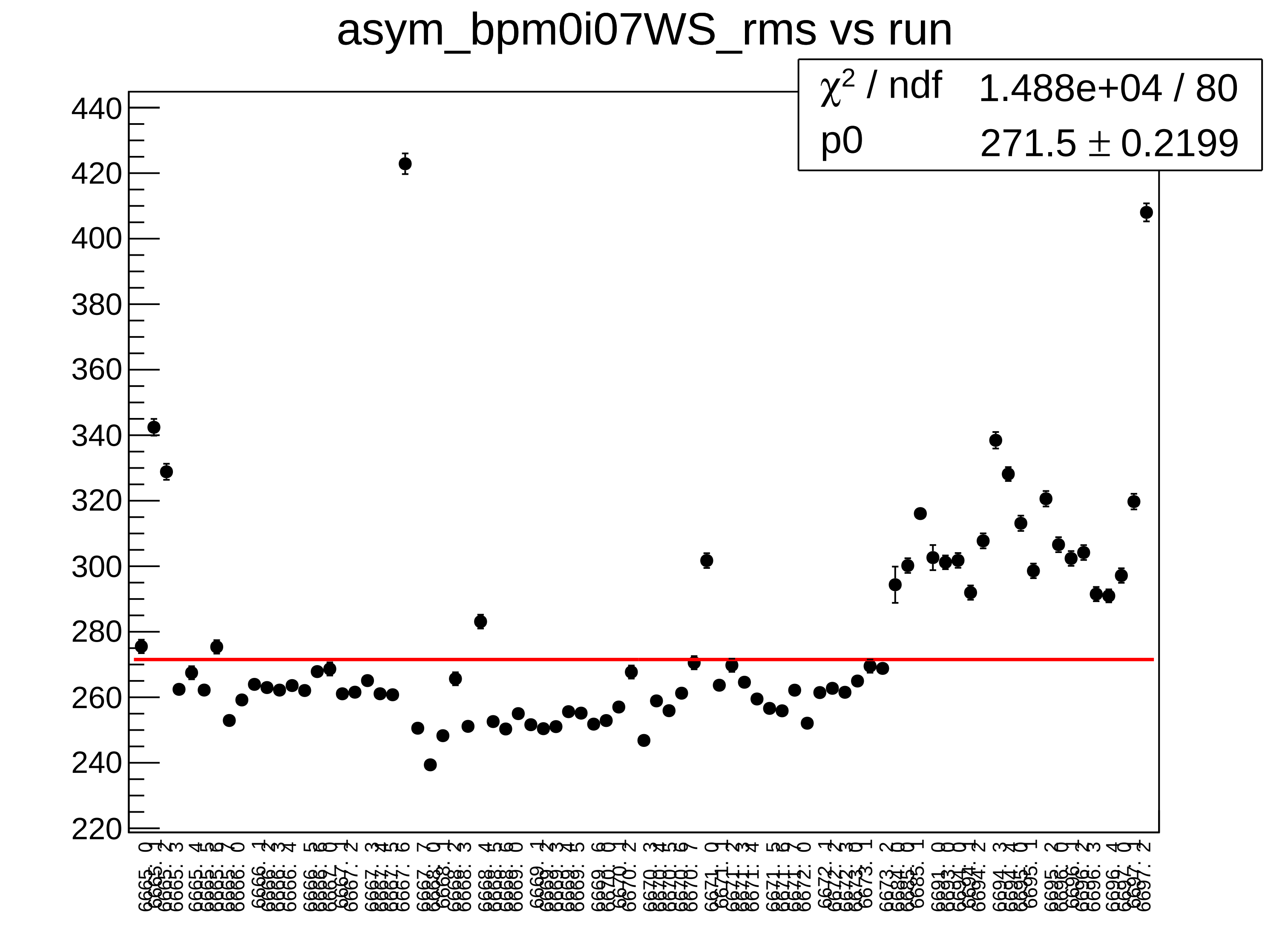

asym_bpm0i05WS_mean vs run
χ^2 / ndf 138.8 / 80
p0 326.6 ± 297.8
pull
Entries 81
Mean 263.5
Std Dev 221.6


pull1D
Entries 81
Mean −0.08681
Std Dev 1.306

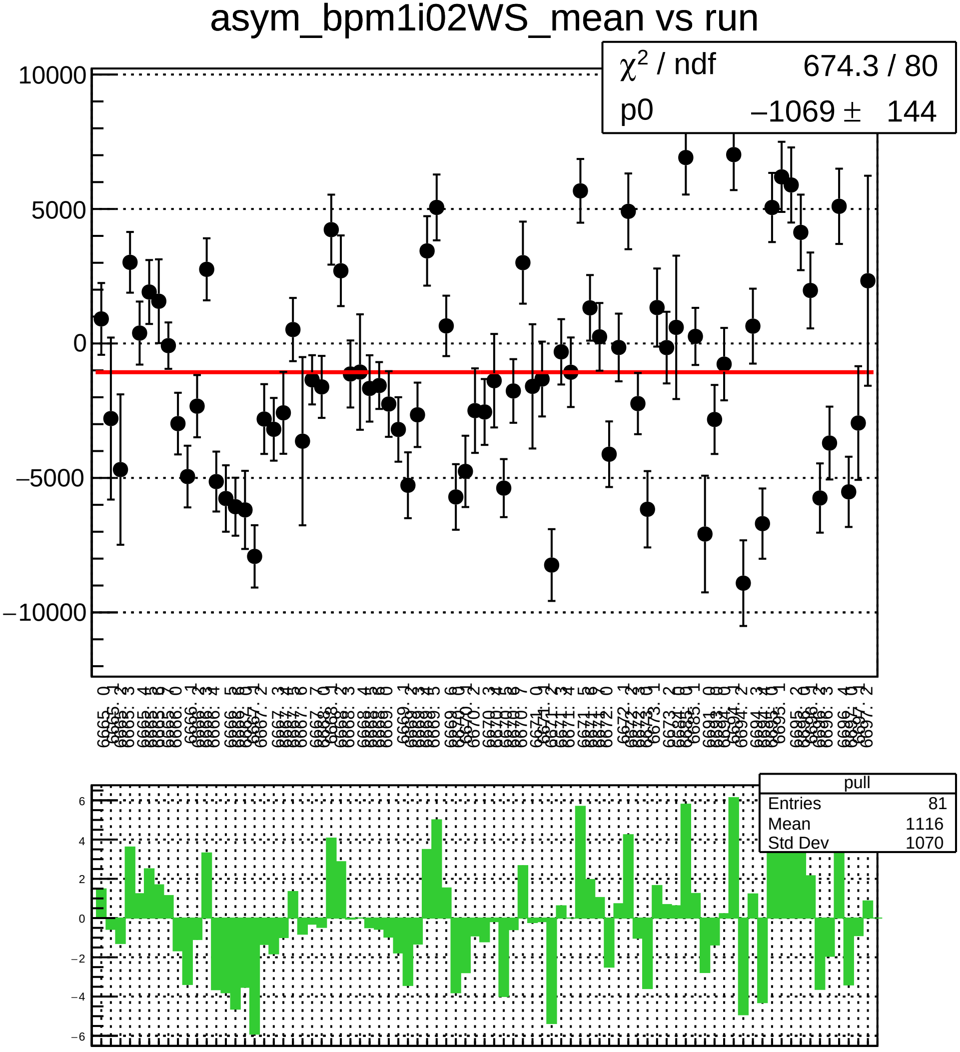

asym_bpm0i05WS_rms vs run
χ2 / ndf 1.867e+04 / 80
p0 259.7 ± 0.2106
450
400
350
300
250



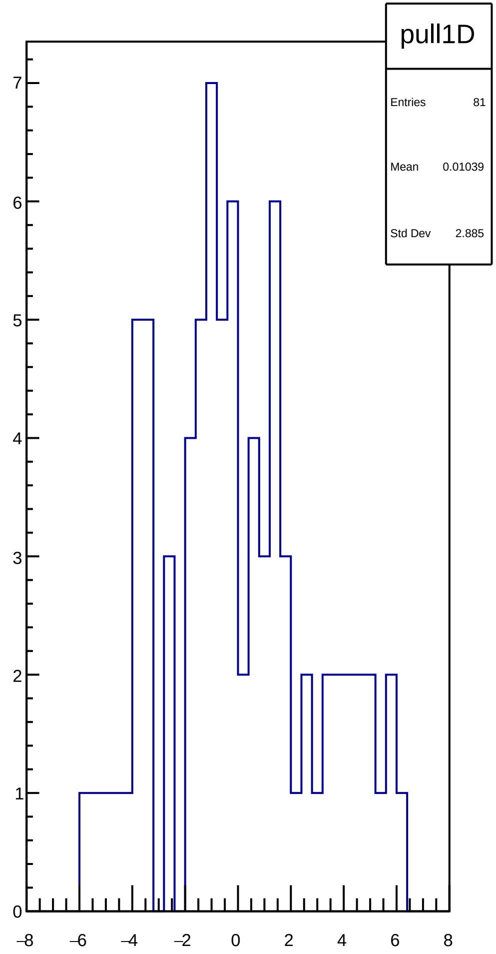
asym_bpm0i07WS_mean vs run
χ2 / ndf 73.73 / 80
p0 857.2 ± 311
pull
Entries 81
Mean 105.3
Std Dev 75.32
pull1D
Entries 81
Mean −0.02377
Std Dev 0.9538



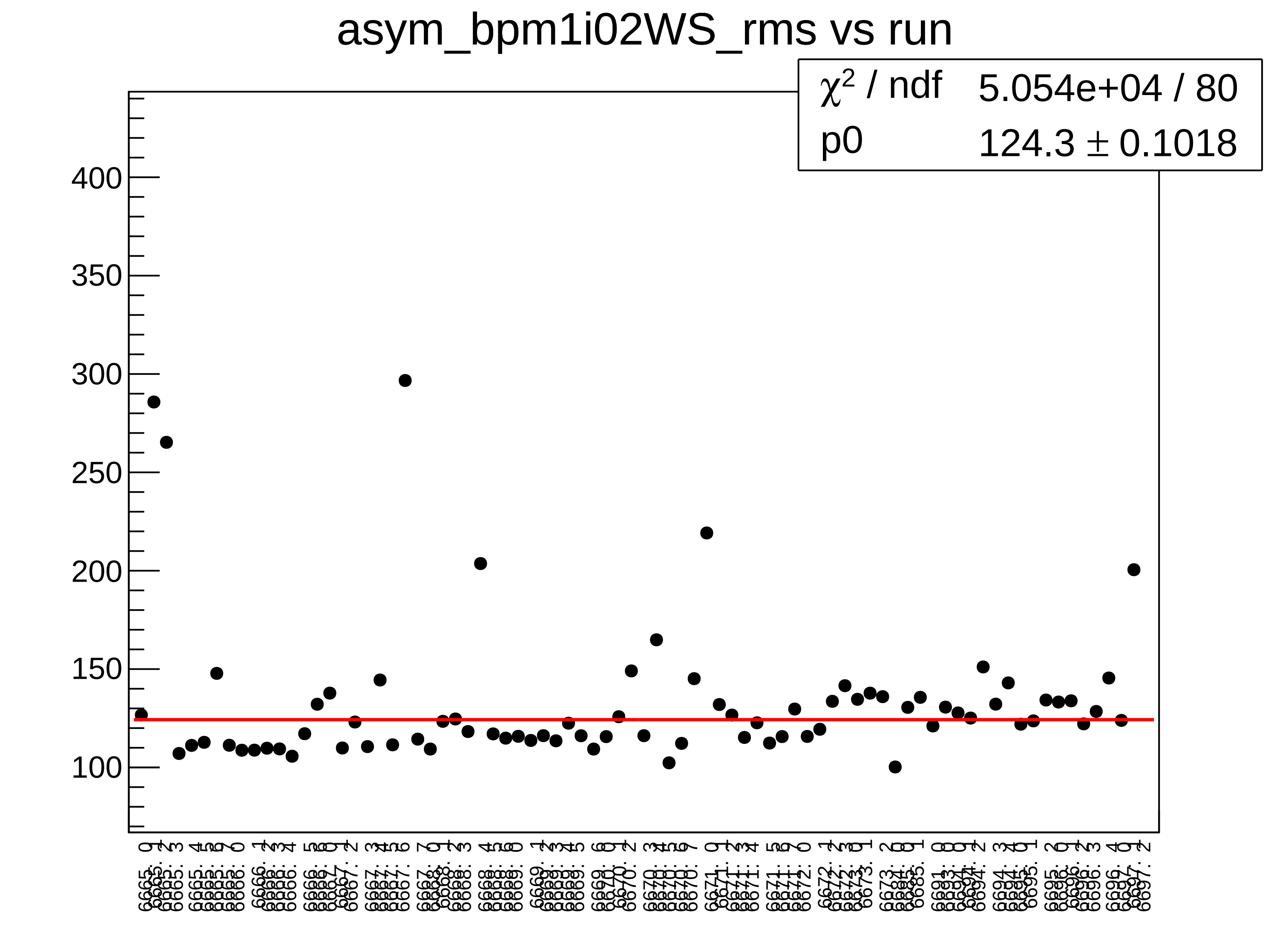
asym_bpm0i07WS_rms vs run
χ^2 / ndf 1.488e+04 / 80
p0 271.5 ± 0.2199
440
420
400
380
360
340
320
300
280
260
240
220



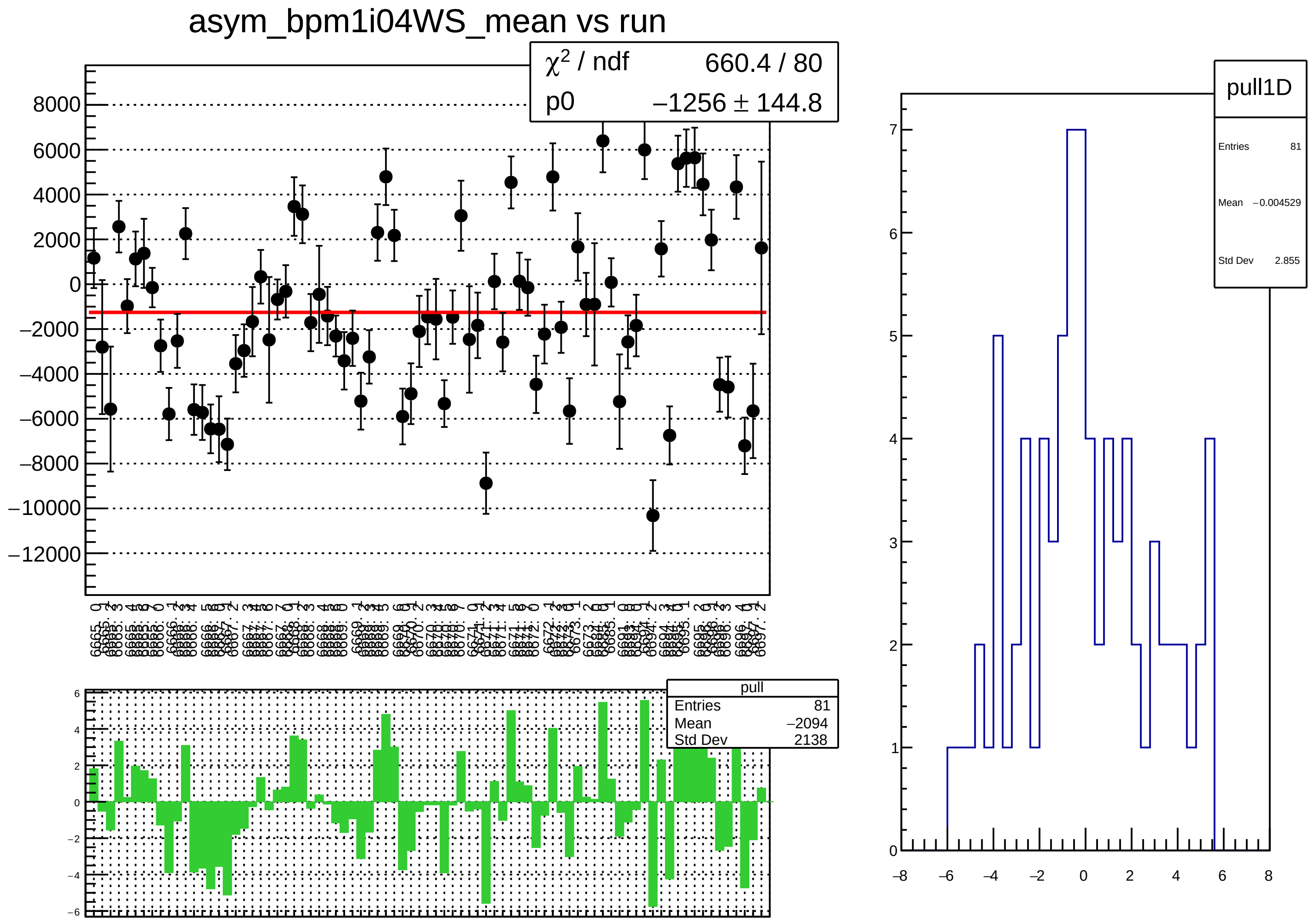
asym_bpm1i02WS_mean vs run
χ2 / ndf 674.3 / 80
p0 −1069 ± 144
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 1116
Std Dev 1070



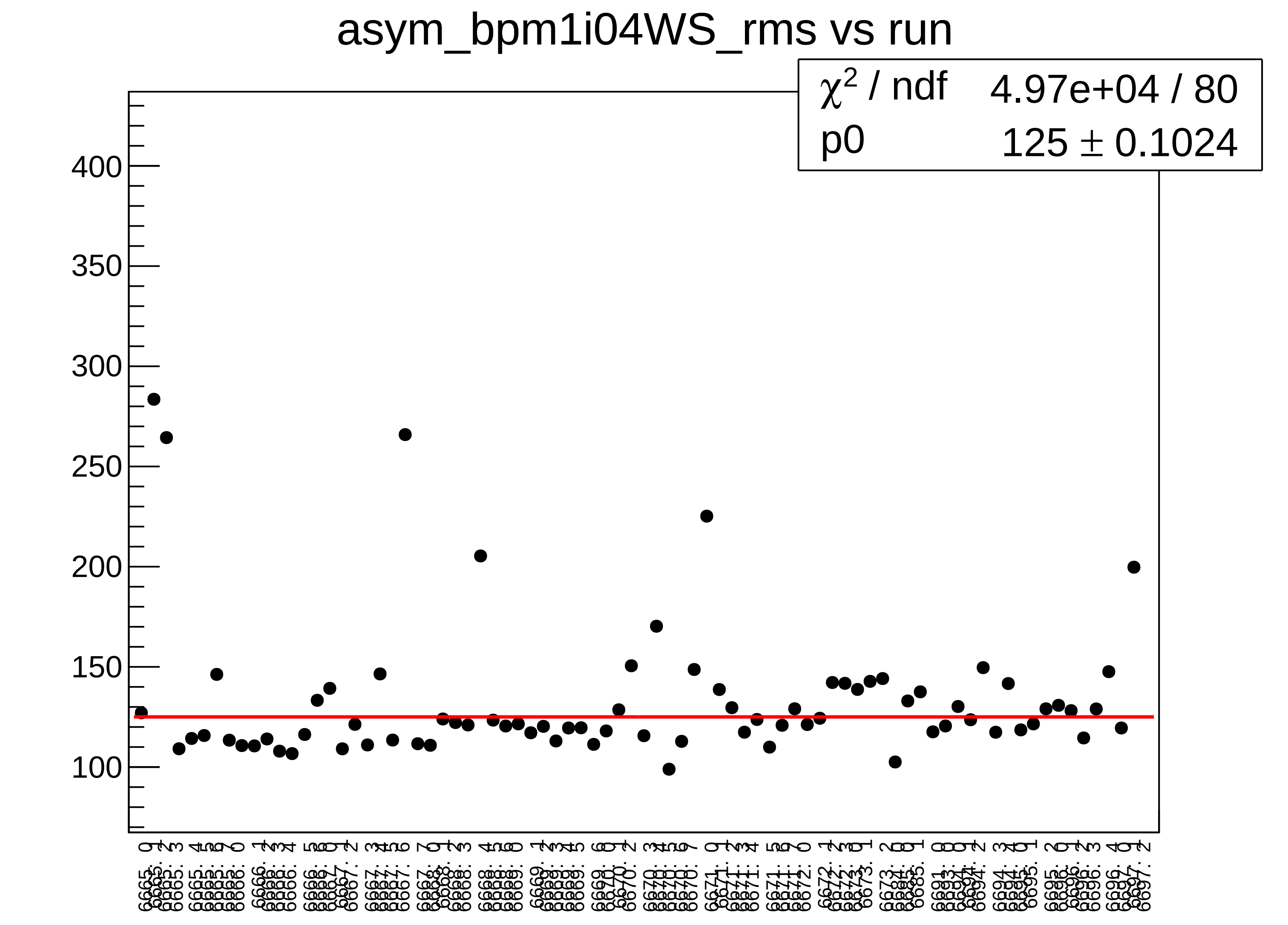
pull1D
Entries 81
Mean 0.01039
Std Dev 2.885



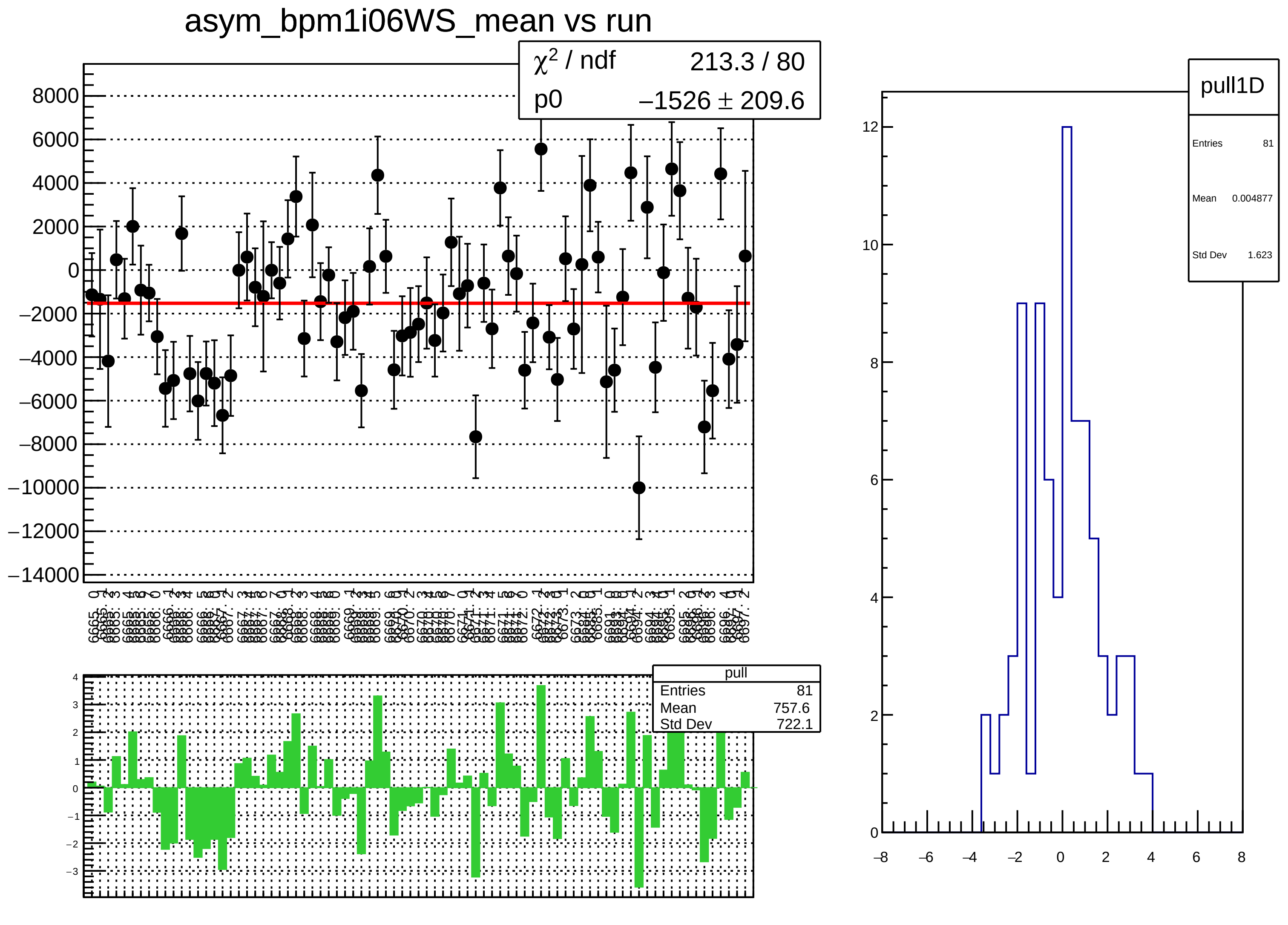
asym_bpm1i02WS_rms vs run
χ^2 / ndf 5.054e+04 / 80
p0 124.3 ± 0.1018
400
350
300
250
200
150
100



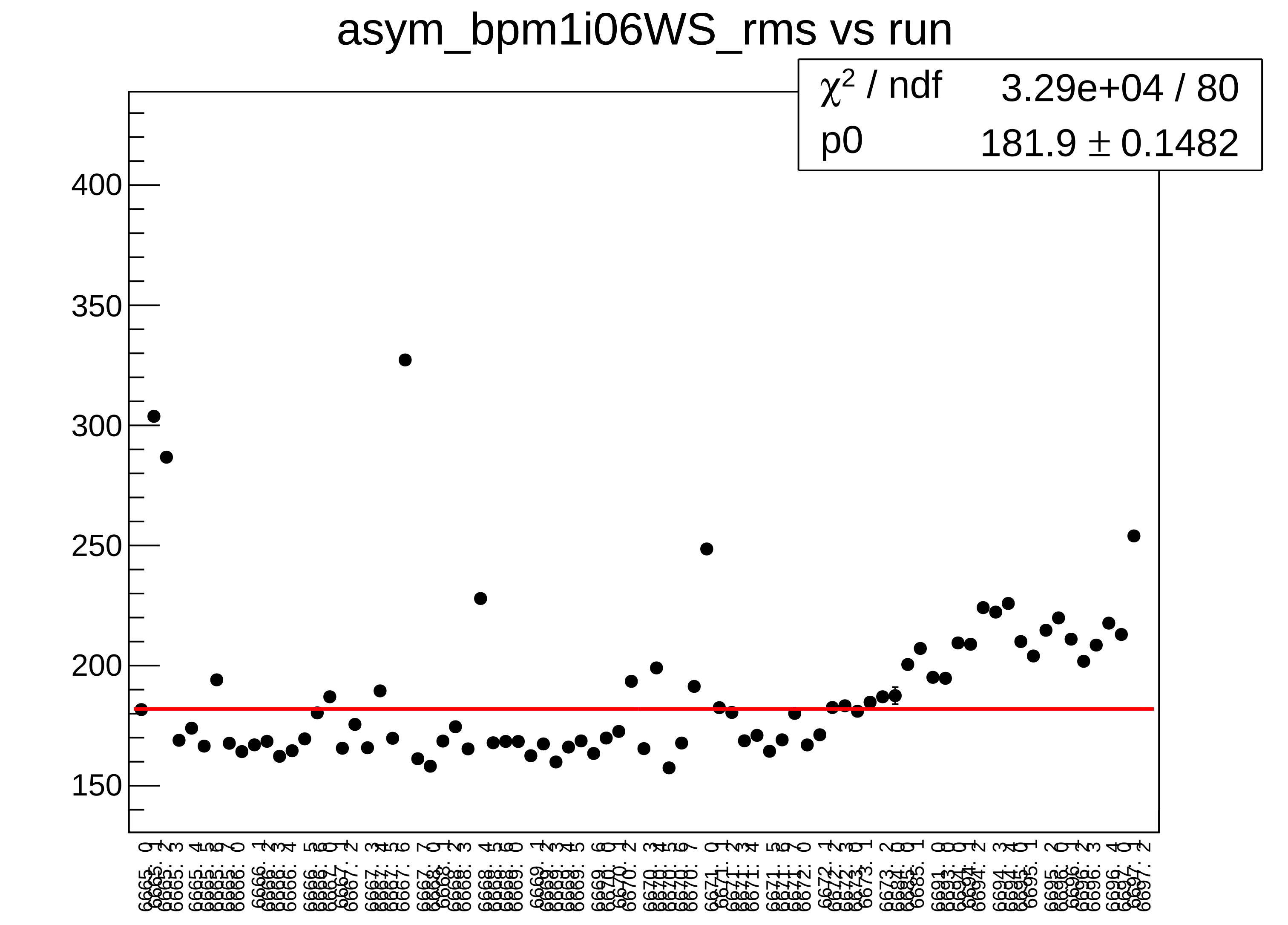
asym_bpm1i04WS_mean vs run
χ2 / ndf 660.4 / 80
p0 −1256 ± 144.8
pull
Entries 81
Mean −2094
Std Dev 2138
pull1D
Entries 81
Mean −0.004529
Std Dev 2.855

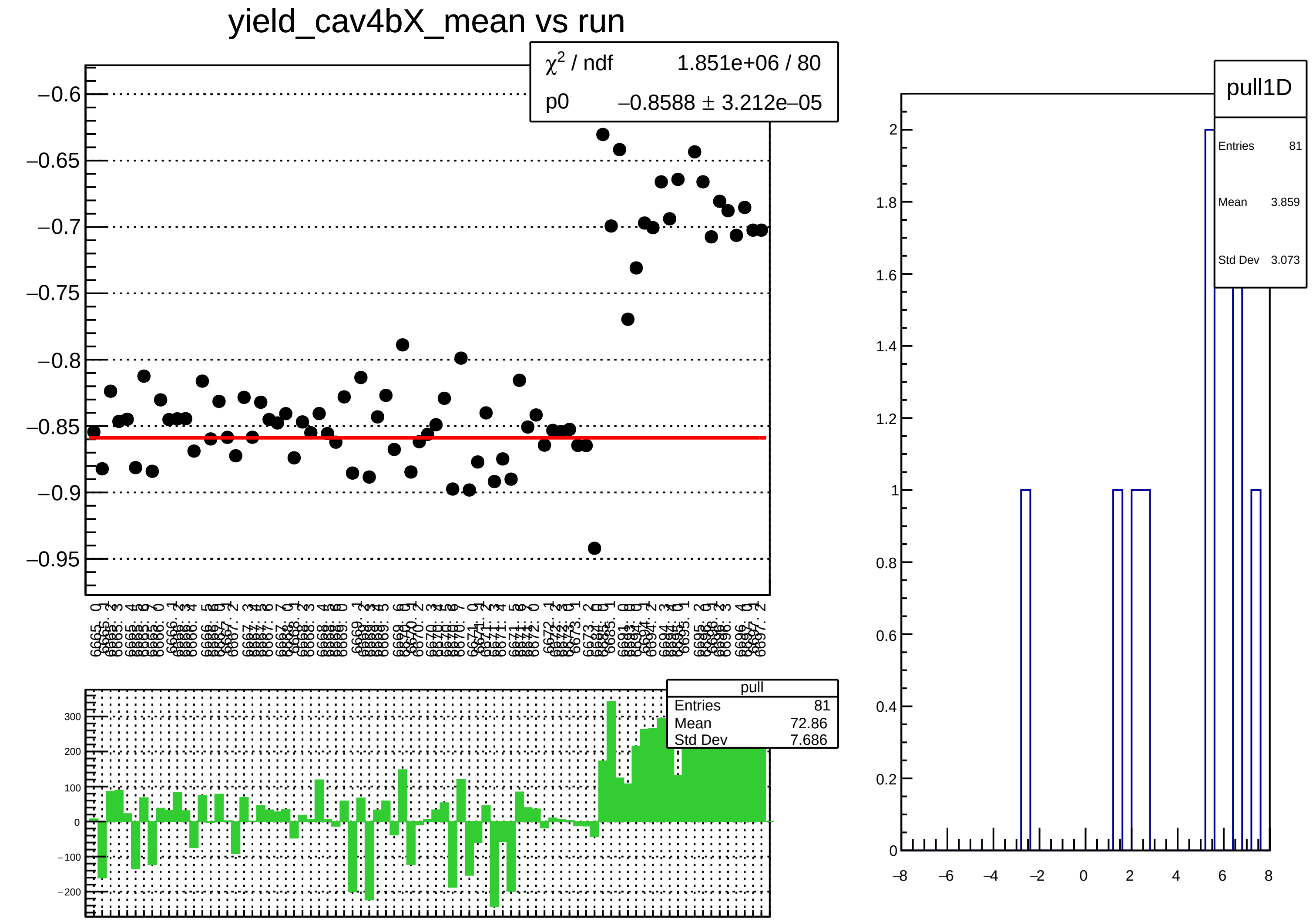


asym_bpm1i04WS_rms vs run
χ^2 / ndf 4.97e+04 / 80
p0 125 ± 0.1024
400
350
300
250
200
150
100

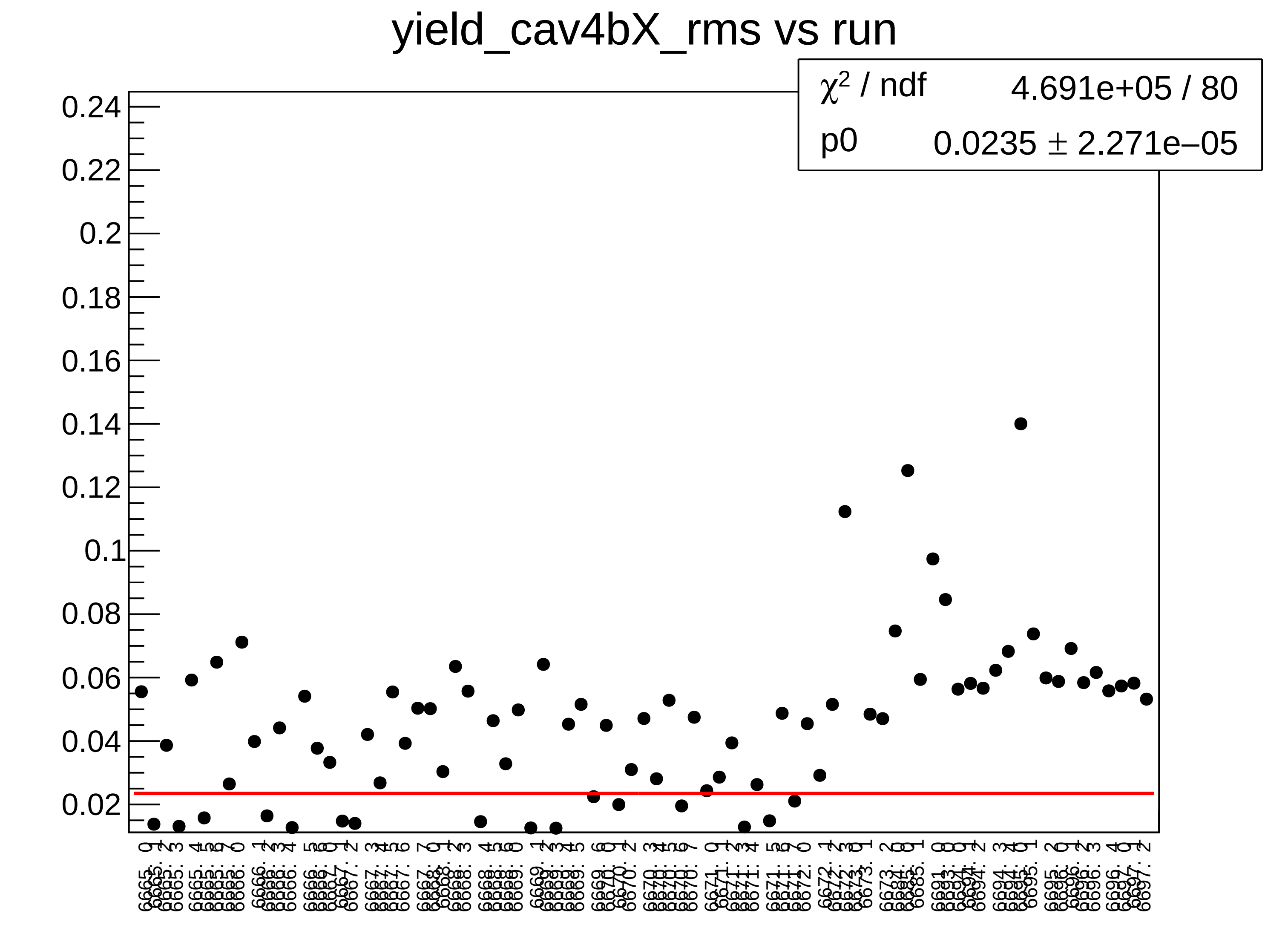


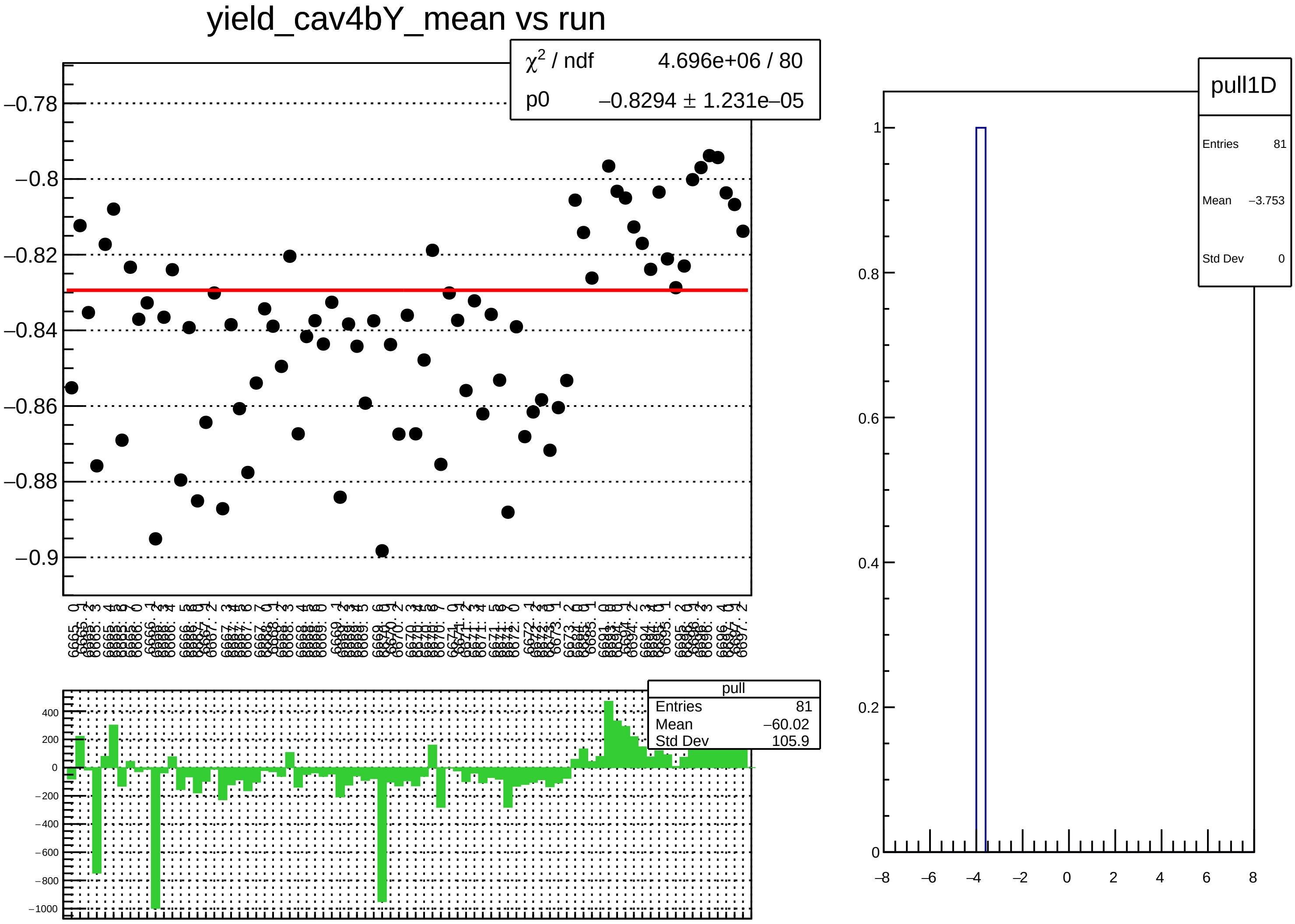
asym_bpm1i06WS_mean vs run
χ^2 / ndf 213.3 / 80
p0 −1526 ± 209.6
pull
Entries 81
Mean 757.6
Std Dev 722.1
pull1D
Entries 81
Mean 0.004877
Std Dev 1.623

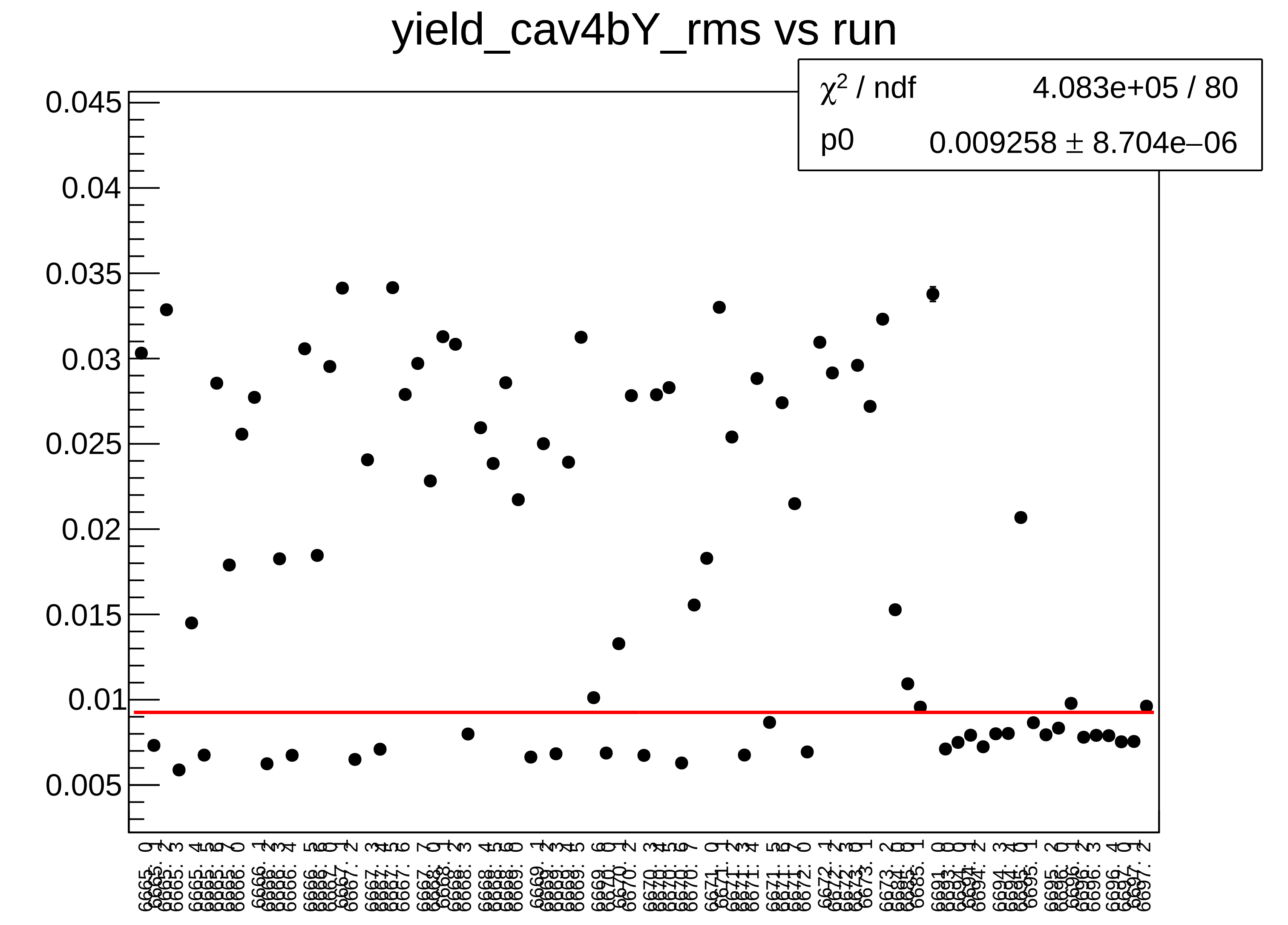

asym_bpm1i06WS_rms vs run
χ² / ndf 3.29e+04 / 80
p0 181.9 ± 0.1482
400
350
300
250
200
150



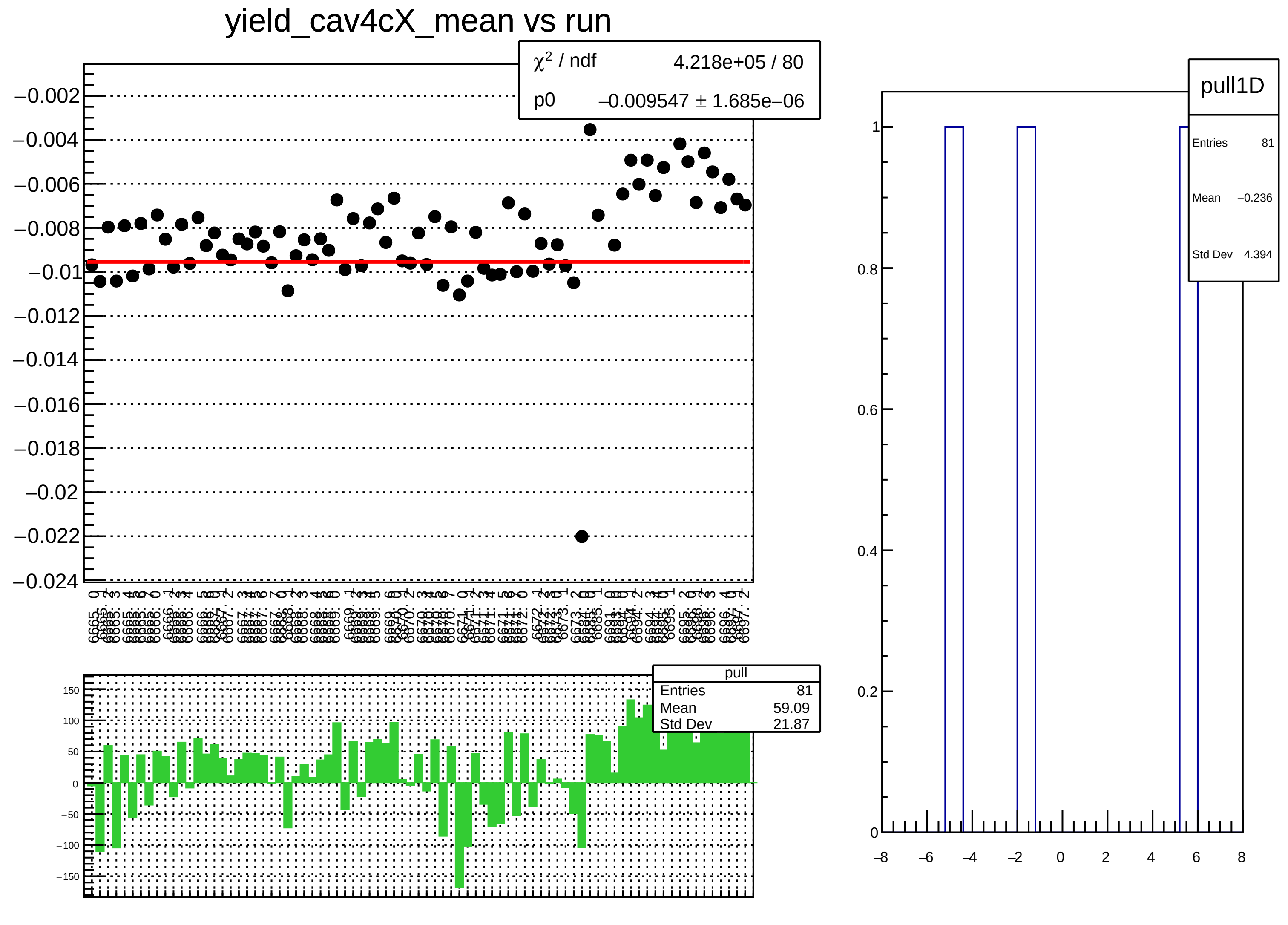
yield_cav4bX_mean vs run
χ^2 / ndf 1.851e+06 / 80
p0 −0.8588 ± 3.212e−05
pull
Entries 81
Mean 72.86
Std Dev 7.686
pull1D
Entries 81
Mean 3.859
Std Dev 3.073


yield_cav4bX_rms vs run
χ^2 / ndf 4.691e+05 / 80
p0 0.0235 ± 2.271e−05

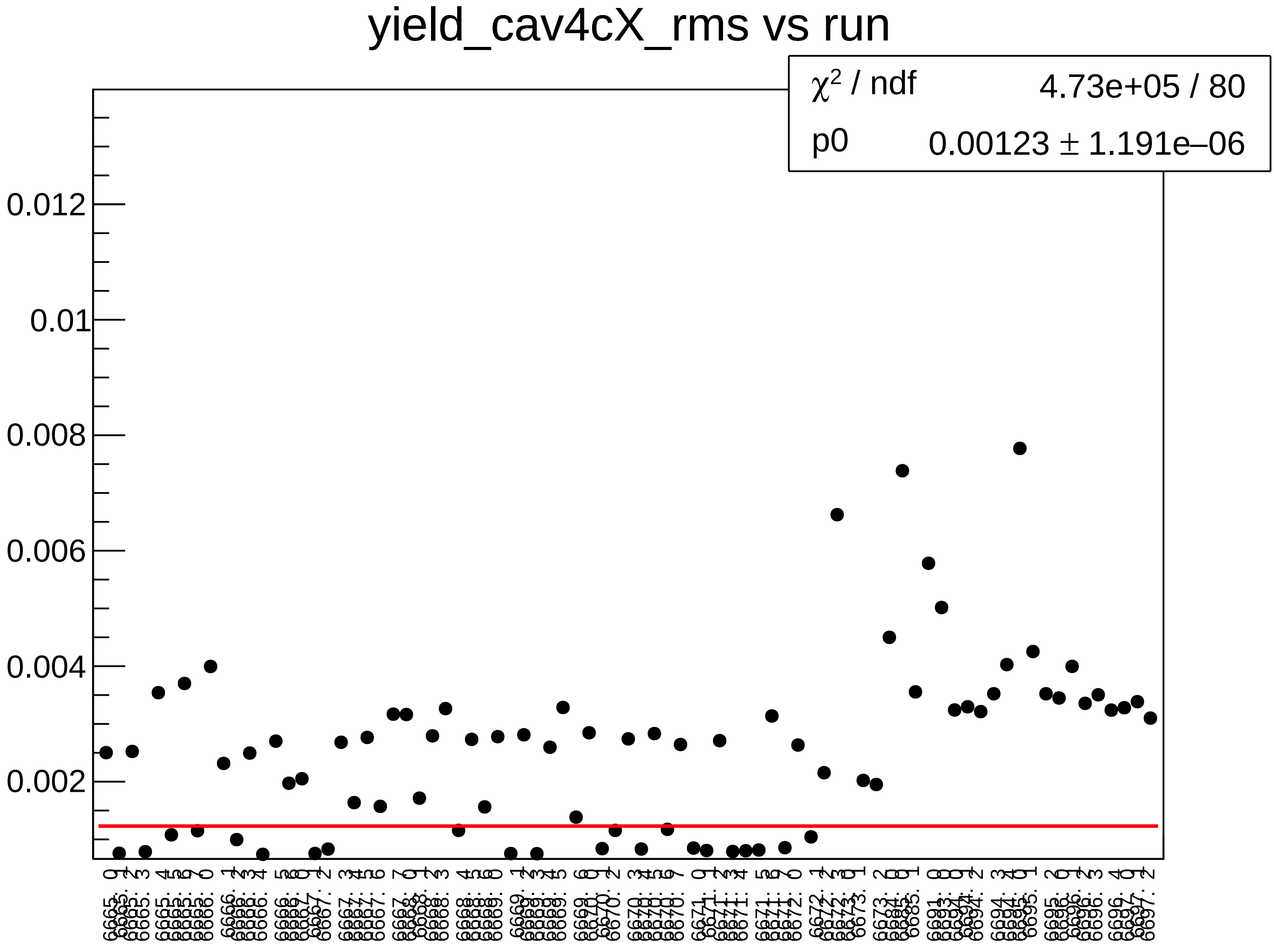

yield_cav4bY_mean vs run
χ^2 / ndf 4.696e+06 / 80
p0 −0.8294 ± 1.231e−05
pull
Entries 81
Mean −60.02
Std Dev 105.9
pull1D
Entries 81
Mean −3.753
Std Dev 0



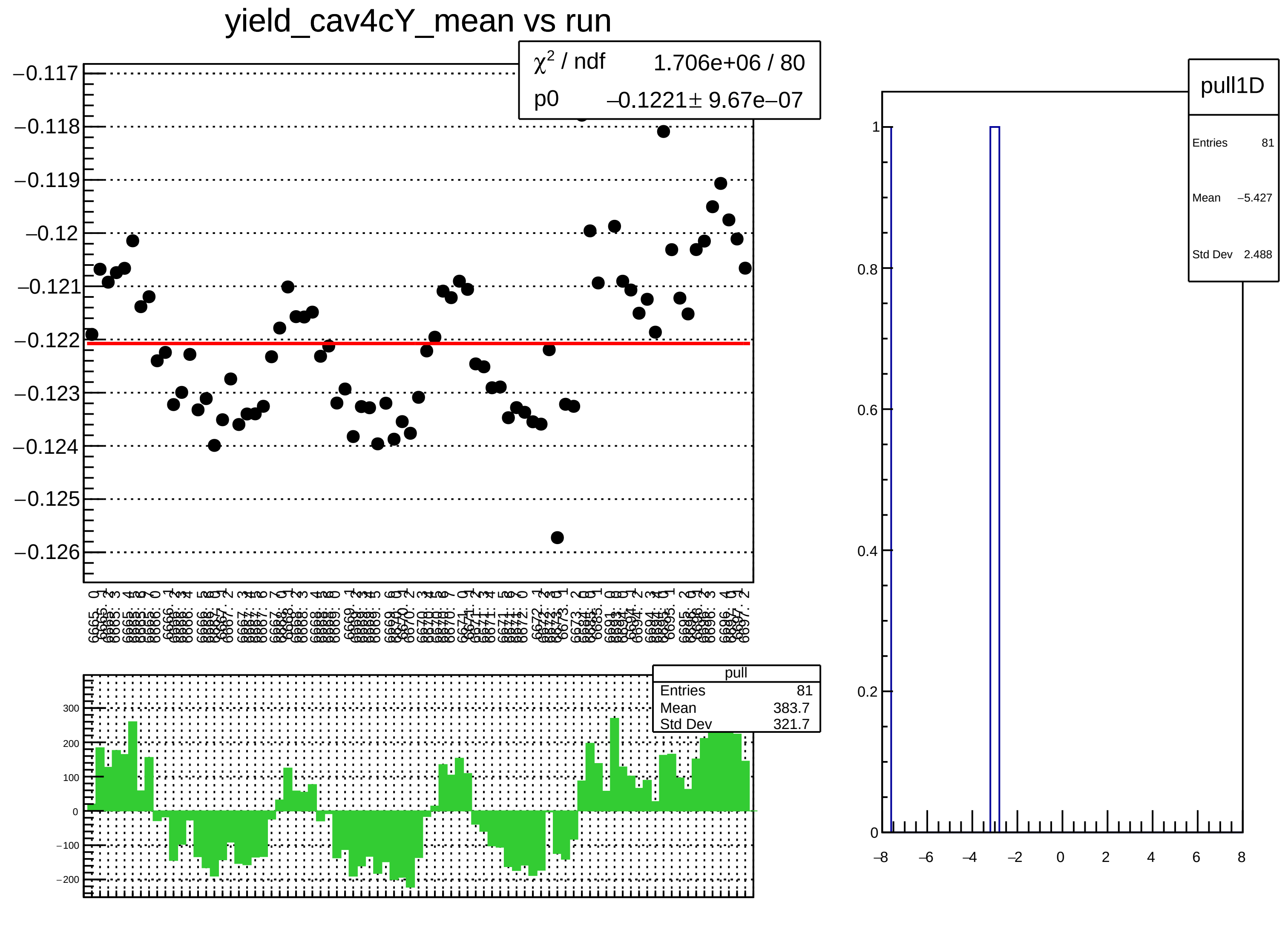
yield_cav4bY_rms vs run
χ^2 / ndf 4.083e+05 / 80
p0 0.009258 ± 8.704e−06



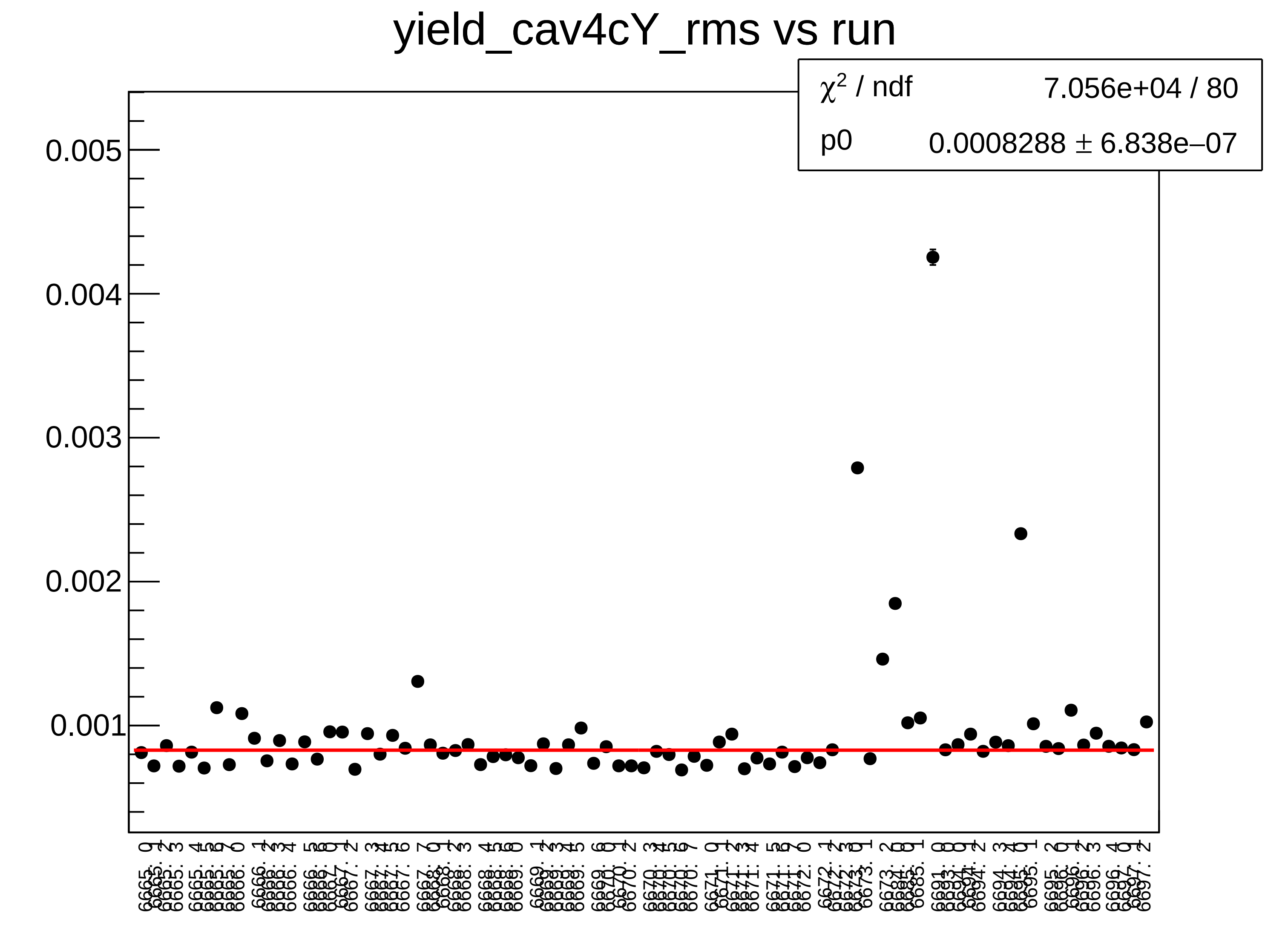
yield_cav4cX_mean vs run
χ^2 / ndf 4.218e+05 / 80
p0 −0.009547 ± 1.685e−06
pull
Entries 81
Mean 59.09
Std Dev 21.87
pull1D
Entries 81
Mean −0.236
Std Dev 4.394

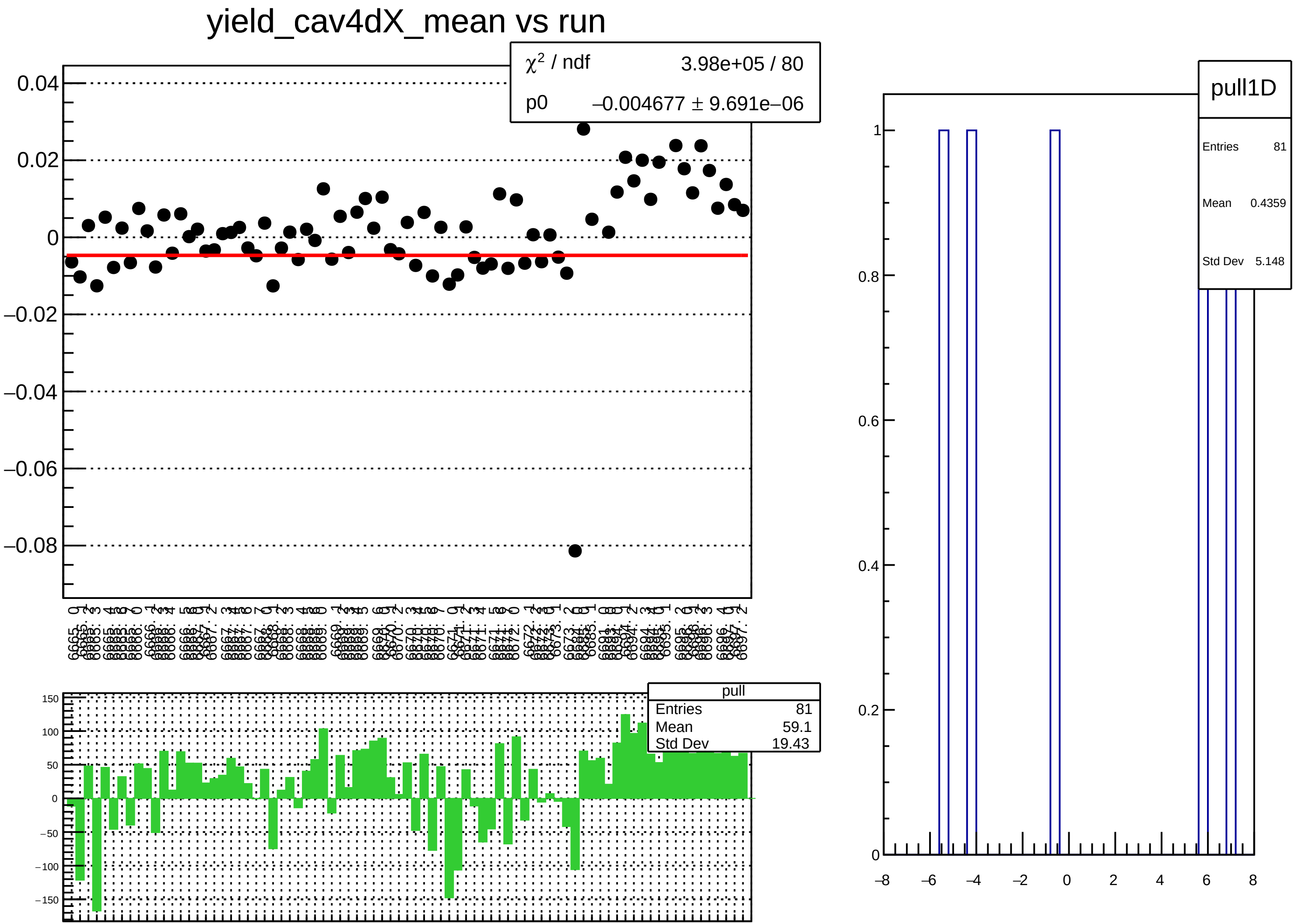


yield_cav4cX_rms vs run
χ^2 / ndf 4.73e+05 / 80
p0 0.00123 ± 1.191e−06
0.012
0.01
0.008
0.006
0.004
0.002

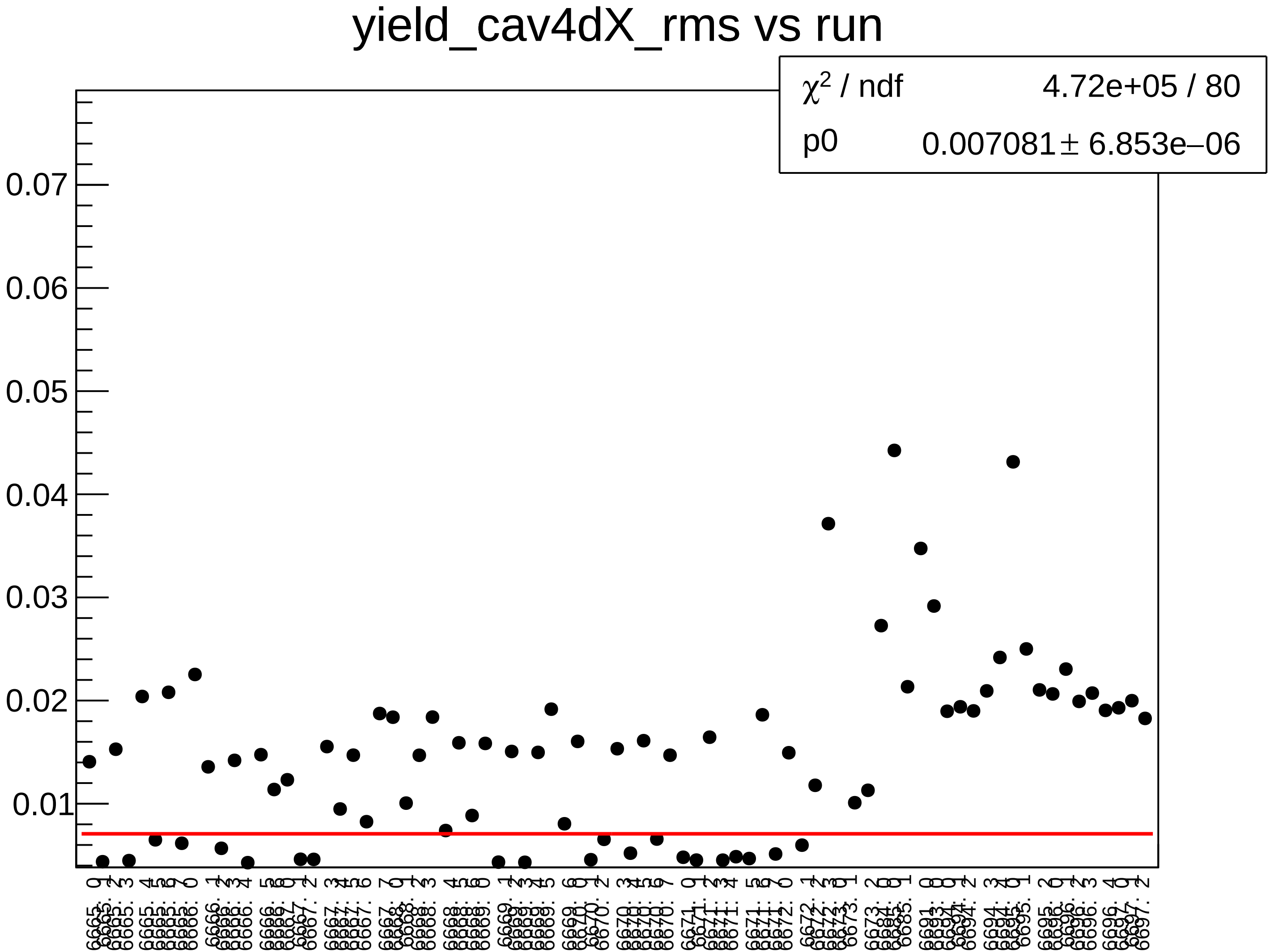


yield_cav4cY_mean vs run
χ^2 / ndf 1.706e+06 / 80
p0 −0.1221 ± 9.67e−07
pull
Entries 81
Mean 383.7
Std Dev 321.7
pull1D
Entries 81
Mean −5.427
Std Dev 2.488

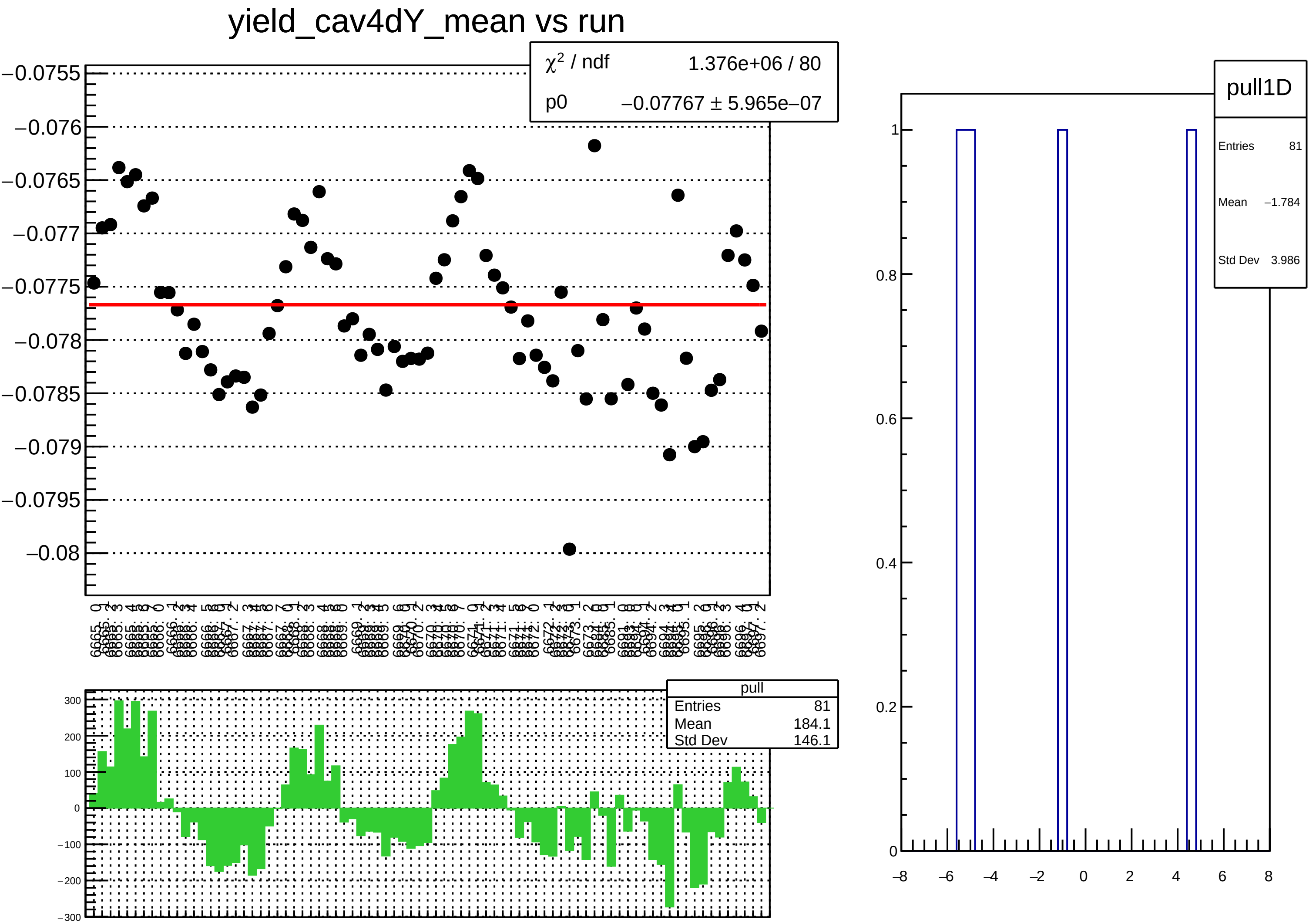

yield_cav4cY_rms vs run
χ^2 / ndf 7.056e+04 / 80
p0 0.0008288 ± 6.838e−07
0.005
0.004
0.003
0.002
0.001



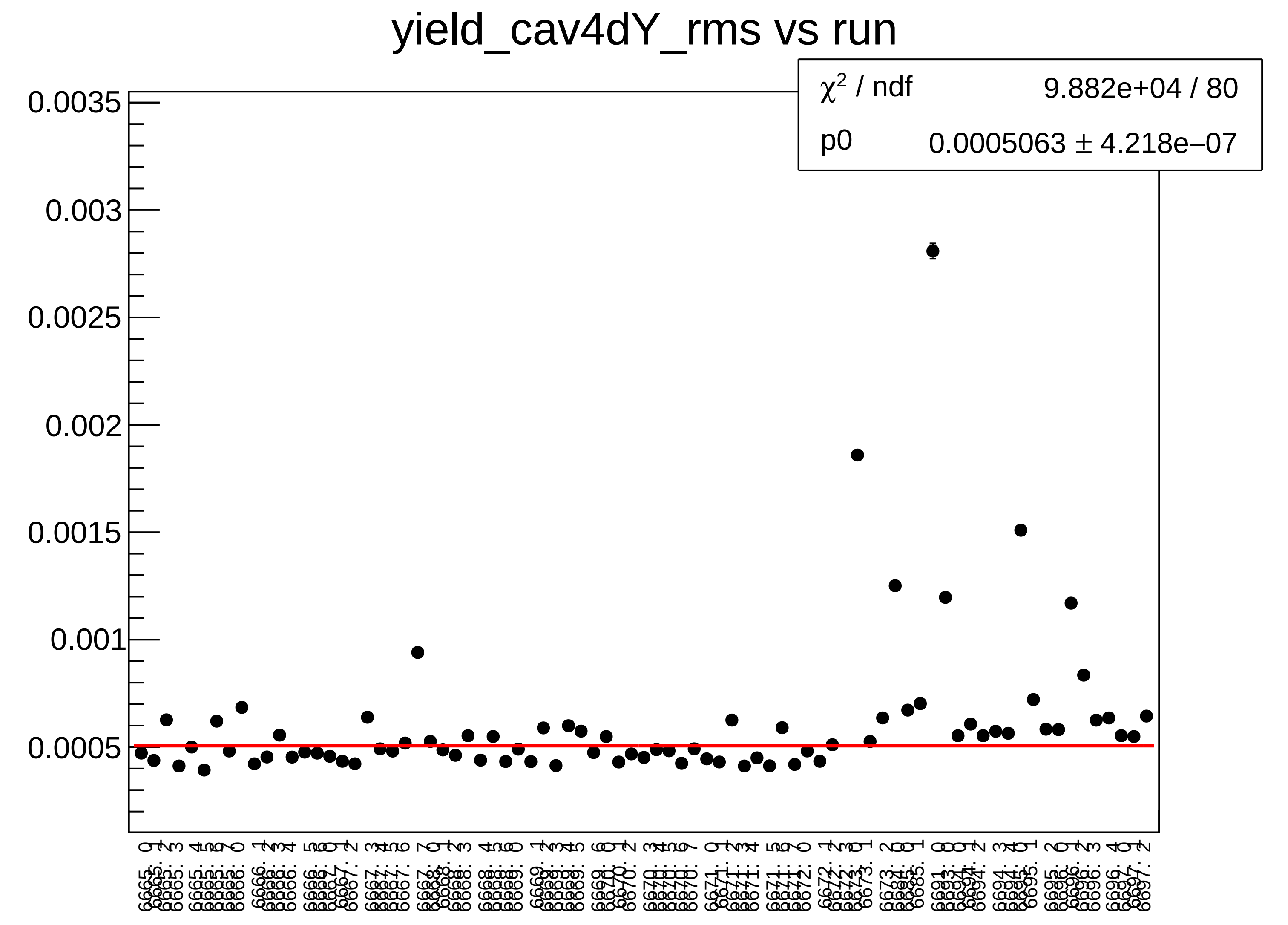
yield_cav4dX_mean vs run
χ^2 / ndf 3.98e+05 / 80
p0 −0.004677 ± 9.691e−06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 81
Mean 59.1
Std Dev 19.43
150
100
50
0
−50
−100
−150
pull1D
Entries 81
Mean 0.4359
Std Dev 5.148
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



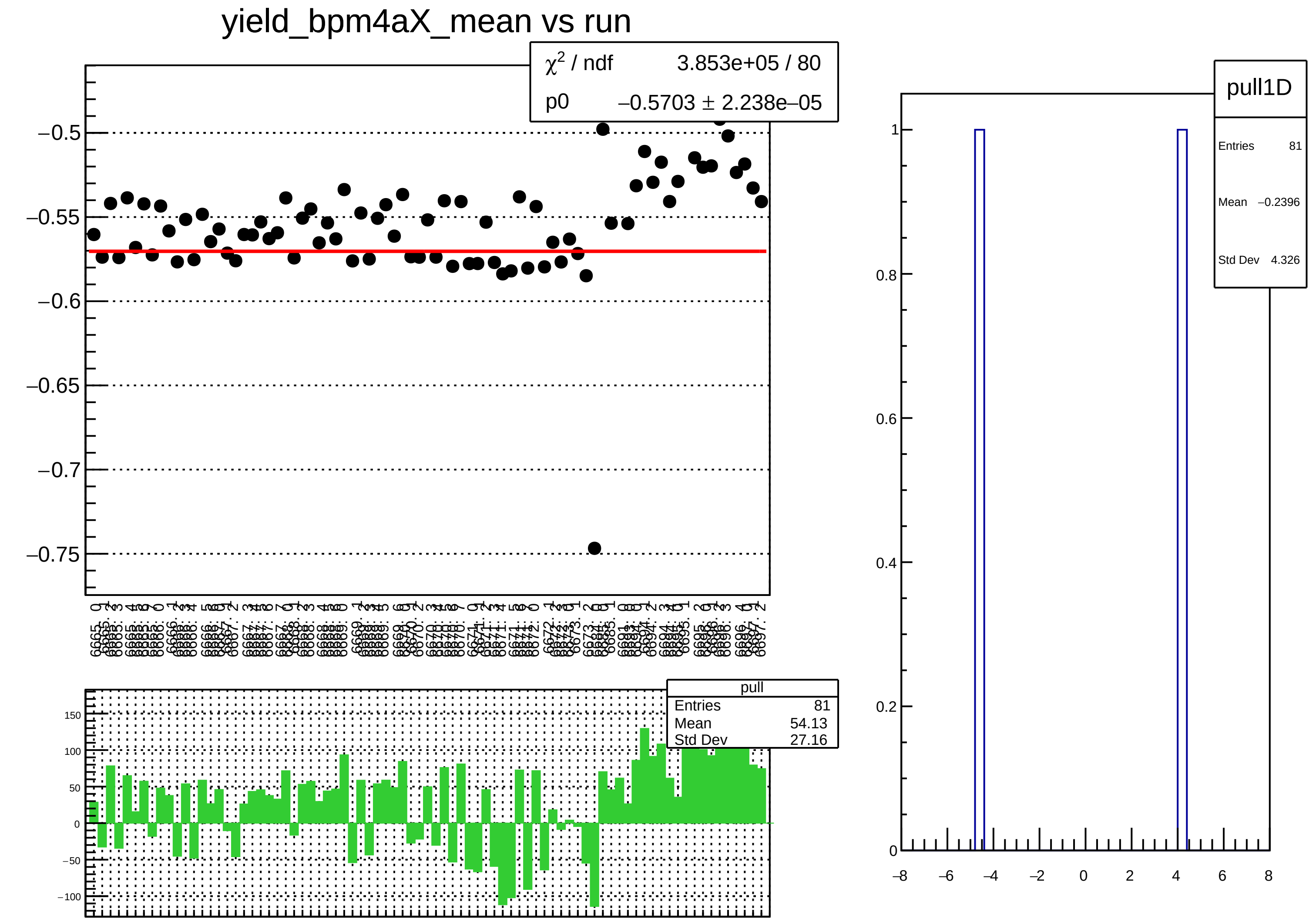
yield_cav4dX_rms vs run
χ^2 / ndf 4.72e+05 / 80
p0 0.007081 ± 6.853e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01



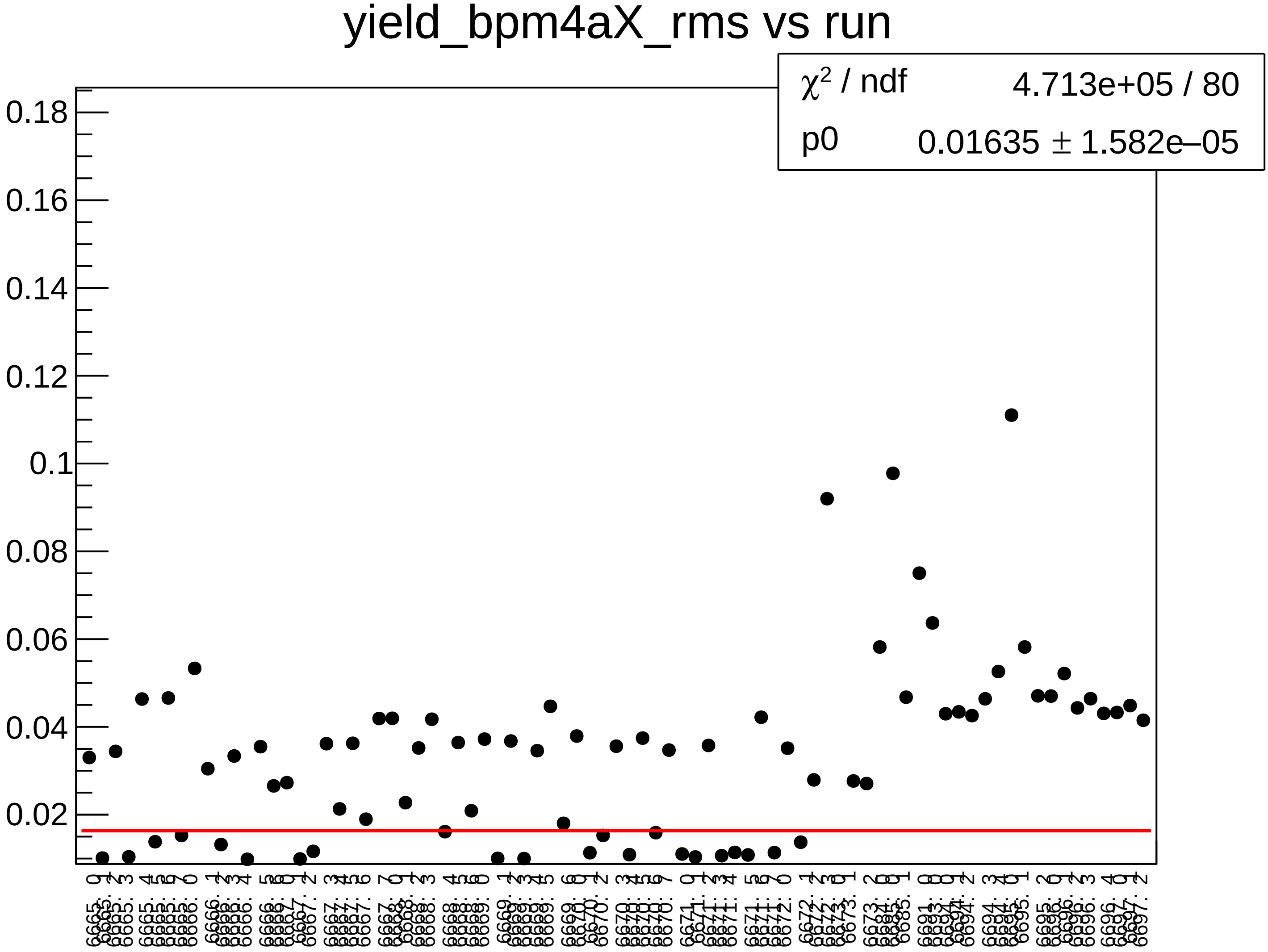
yield_cav4dY_mean vs run
χ2 / ndf 1.376e+06 / 80
p0 −0.07767 ± 5.965e−07
pull
Entries 81
Mean 184.1
Std Dev 146.1
pull1D
Entries 81
Mean −1.784
Std Dev 3.986



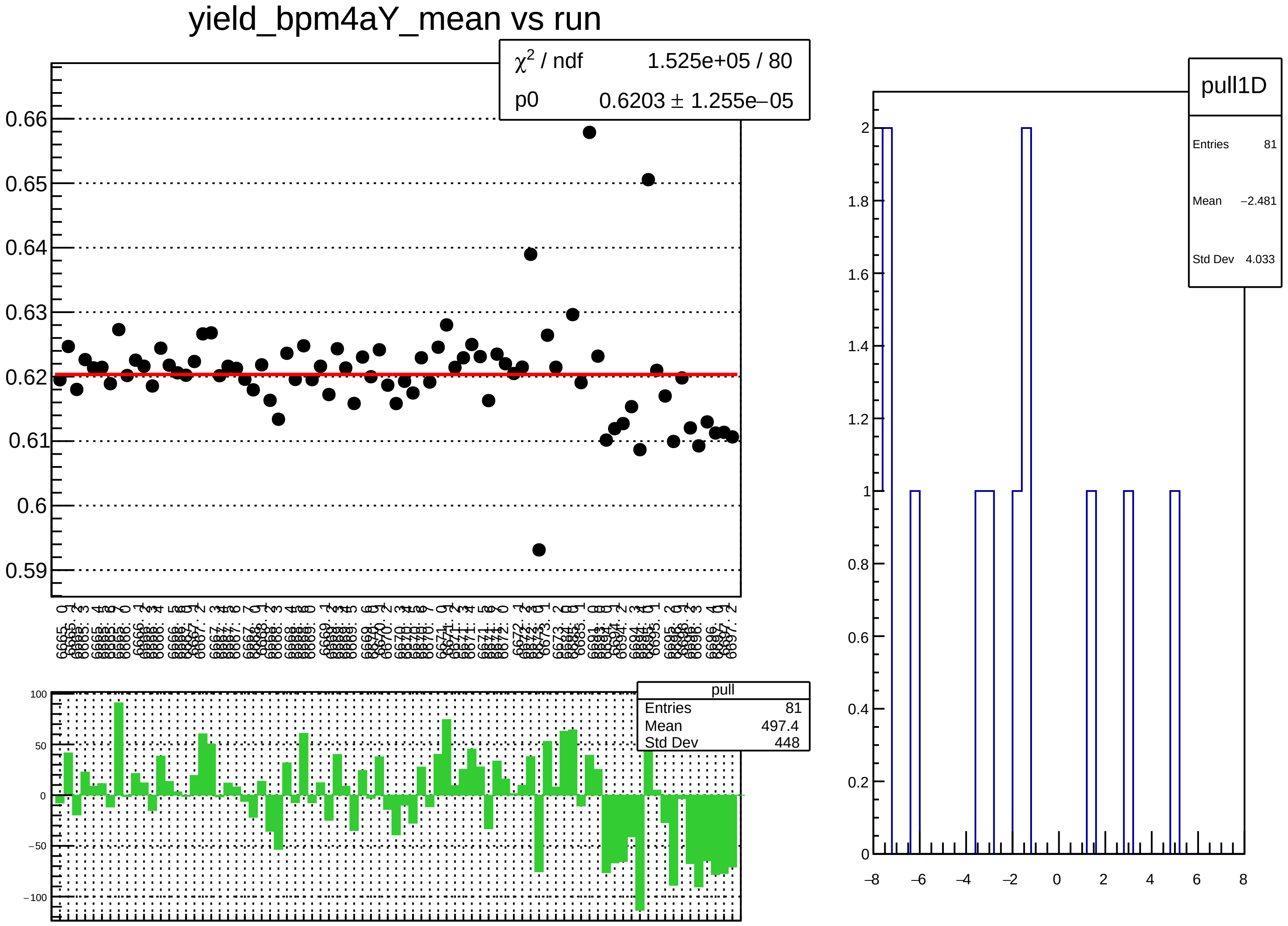
yield_cav4dY_rms vs run
χ2 / ndf 9.882e+04 / 80
p0 0.0005063 ± 4.218e−07
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005



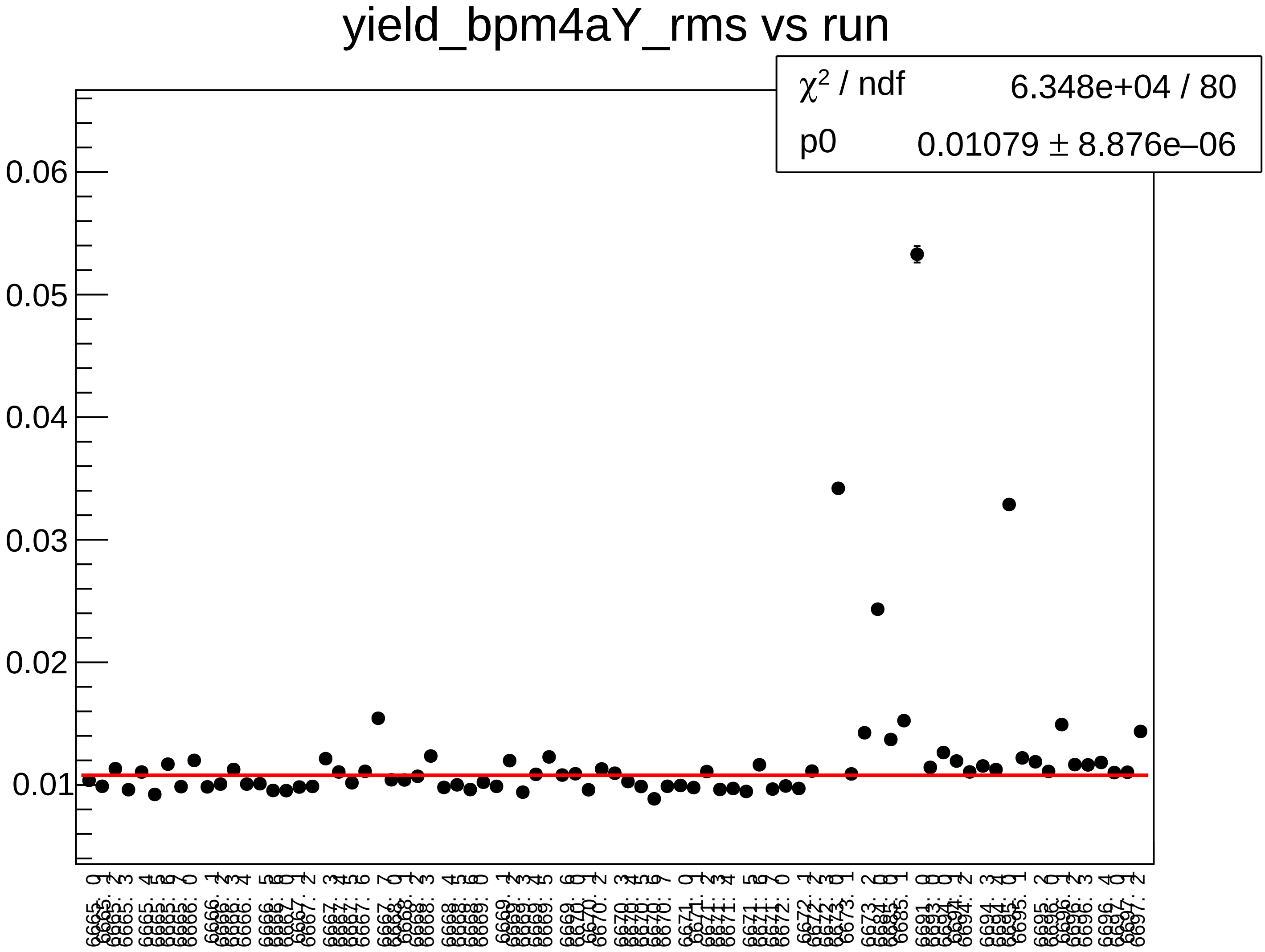
yield_bpm4aX_mean vs run
χ2 / ndf 3.853e+05 / 80
p0 −0.5703 ± 2.238e−05
−0.5
−0.55
−0.6
−0.65
−0.7
−0.75
pull
Entries 81
Mean 54.13
Std Dev 27.16
150
100
50
0
−50
−100
pull1D
Entries 81
Mean −0.2396
Std Dev 4.326
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

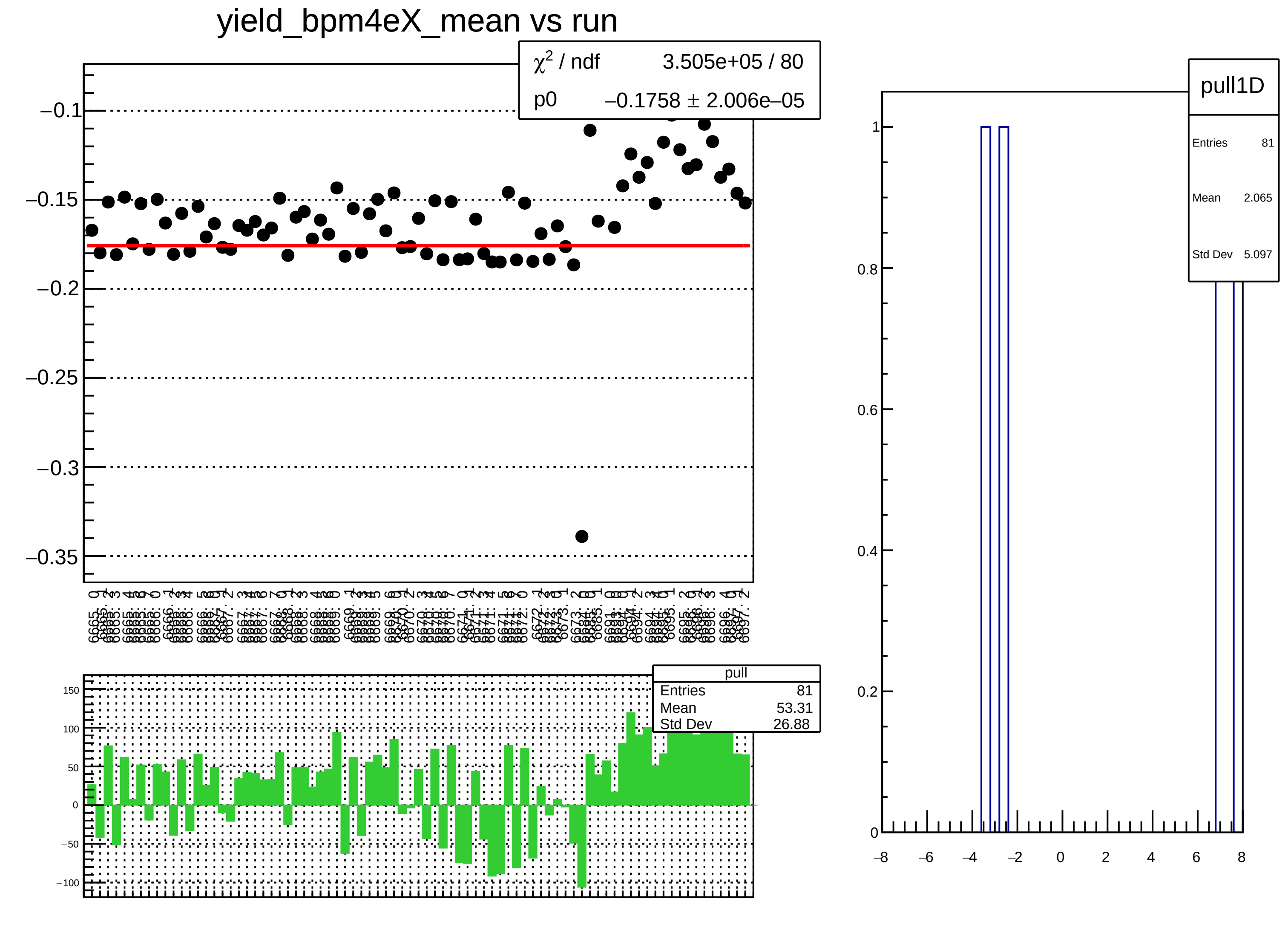


yield_bpm4aX_rms vs run
χ2 / ndf 4.713e+05 / 80
p0 0.01635 ± 1.582e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

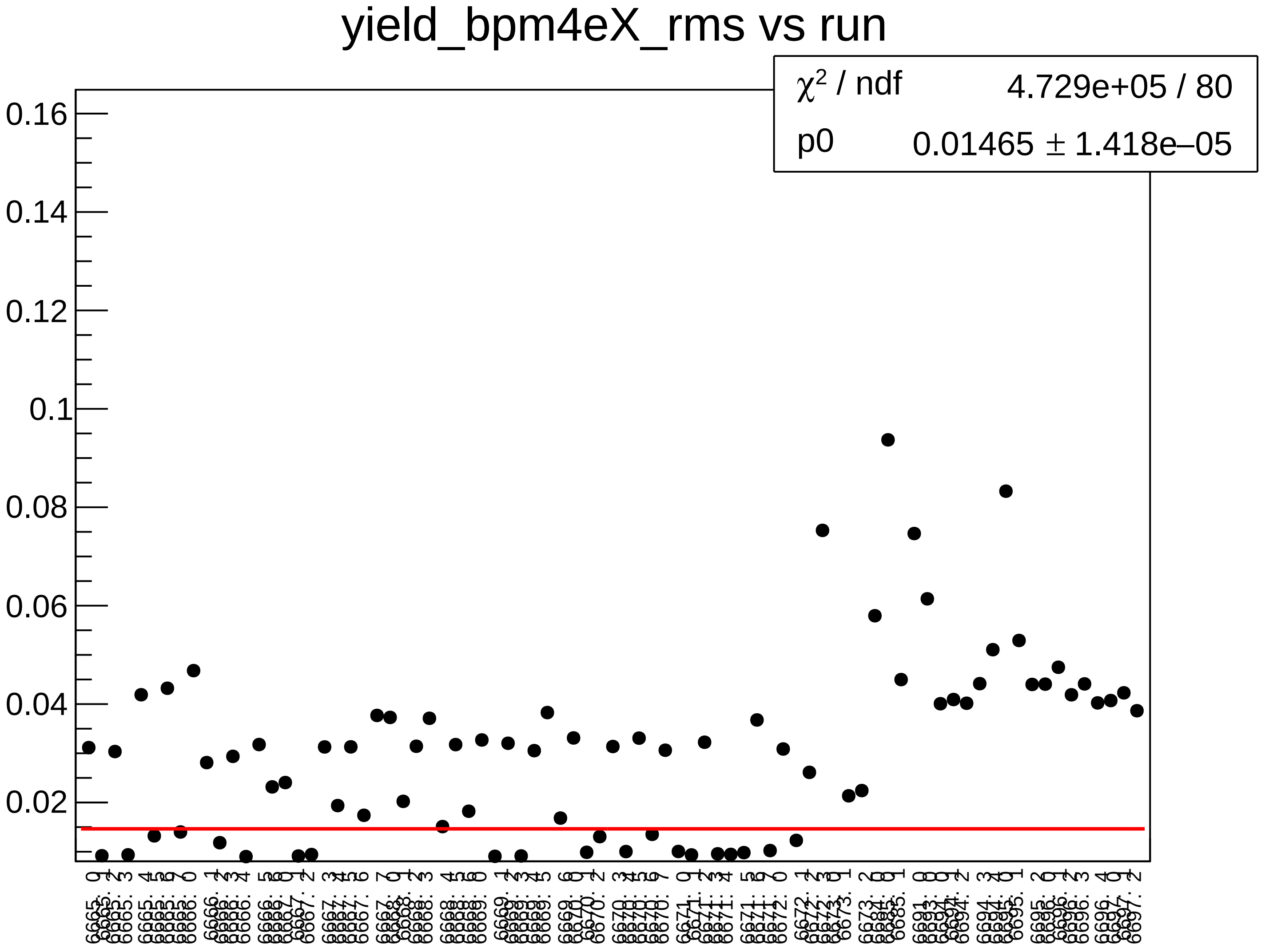


yield_bpm4aY_mean vs run
χ2 / ndf 1.525e+05 / 80
p0 0.6203 ± 1.255e−05
pull
Entries 81
Mean 497.4
Std Dev 448
pull1D
Entries 81
Mean −2.481
Std Dev 4.033

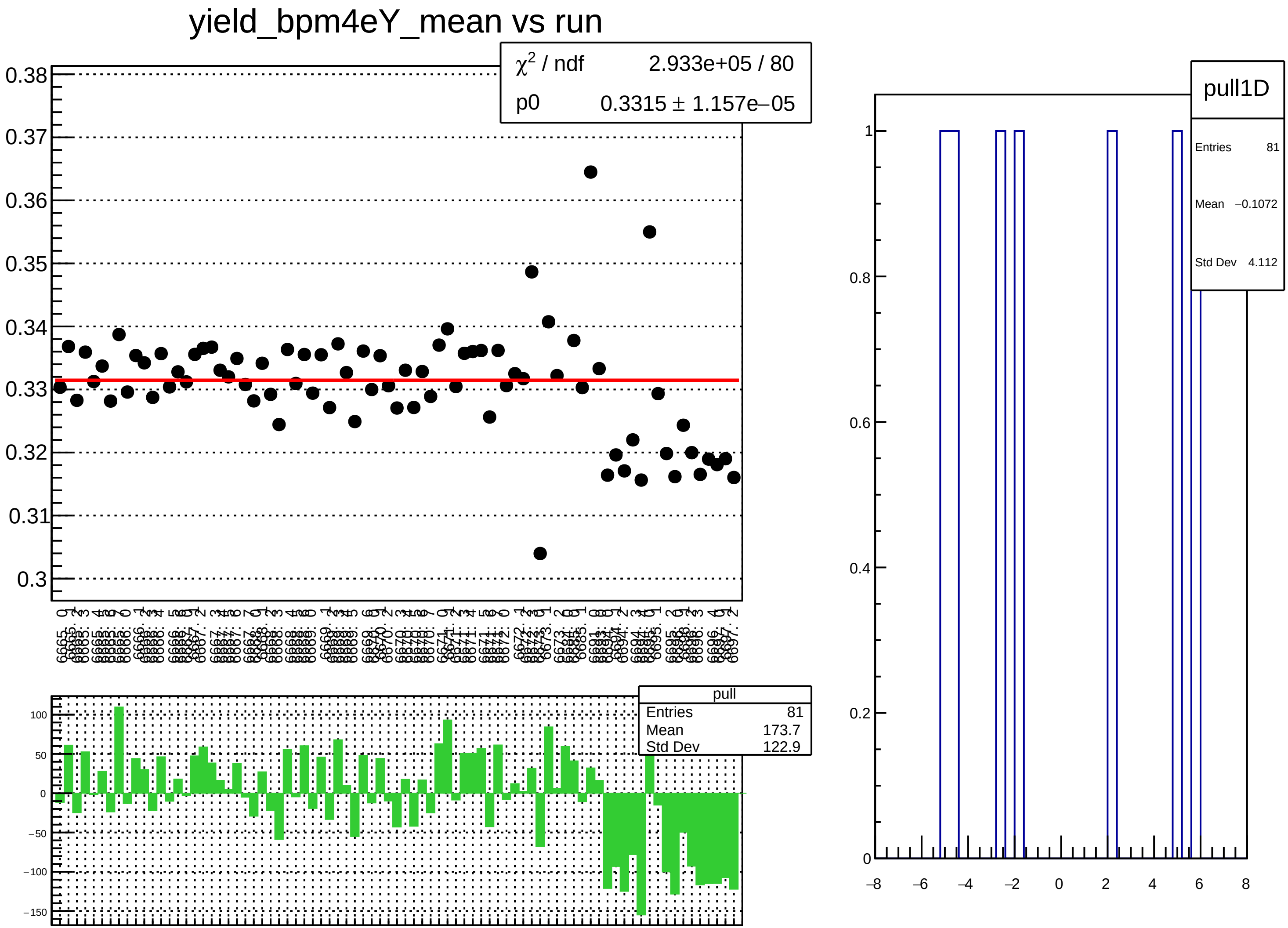

yield_bpm4aY_rms vs run
χ2 / ndf 6.348e+04 / 80
p0 0.01079 ± 8.876e−06
0.06
0.05
0.04
0.03
0.02
0.01



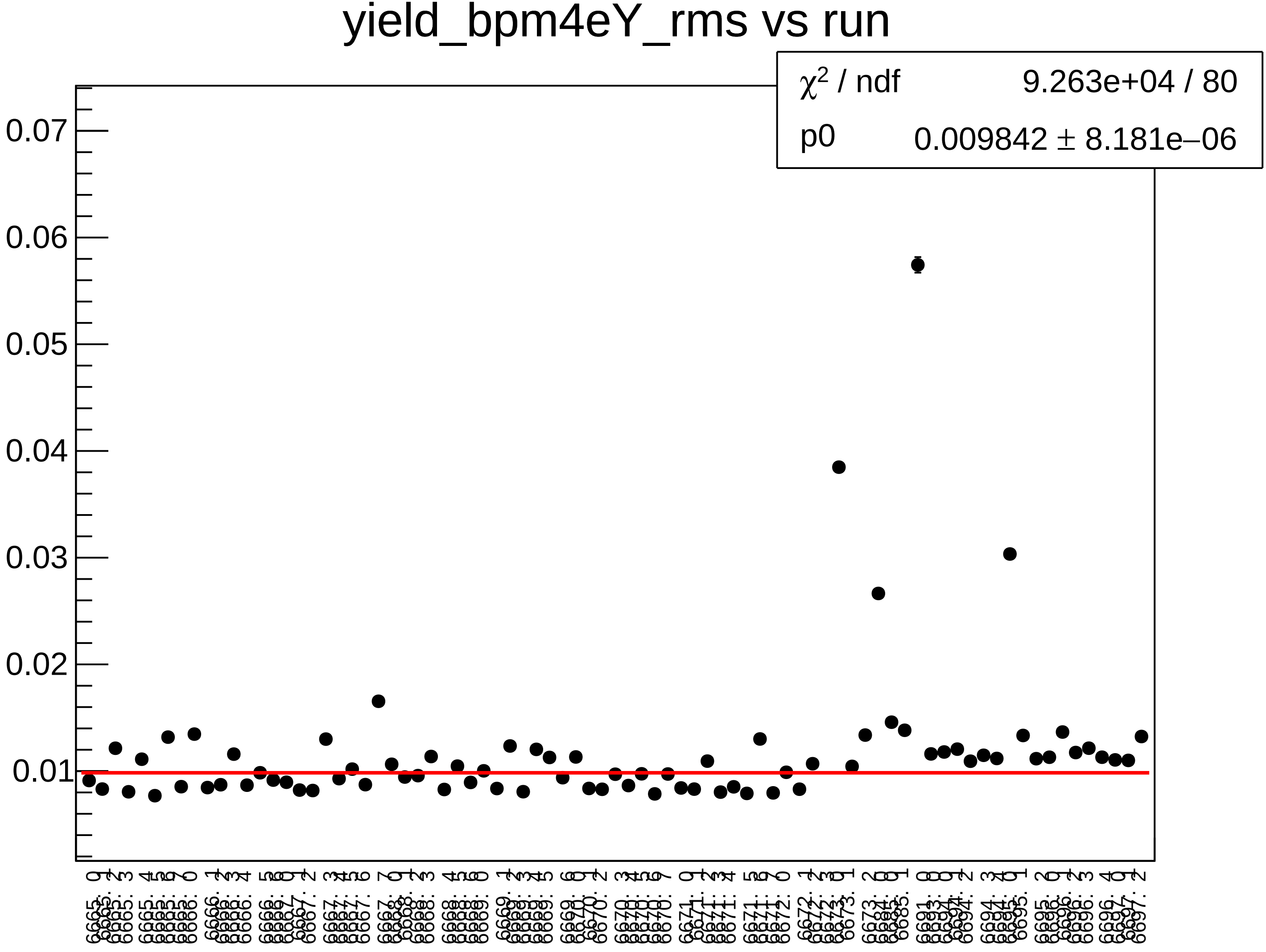
yield_bpm4eX_mean vs run
χ^2 / ndf 3.505e+05 / 80
p0 −0.1758 ± 2.006e−05
pull
Entries 81
Mean 53.31
Std Dev 26.88
pull1D
Entries 81
Mean 2.065
Std Dev 5.097



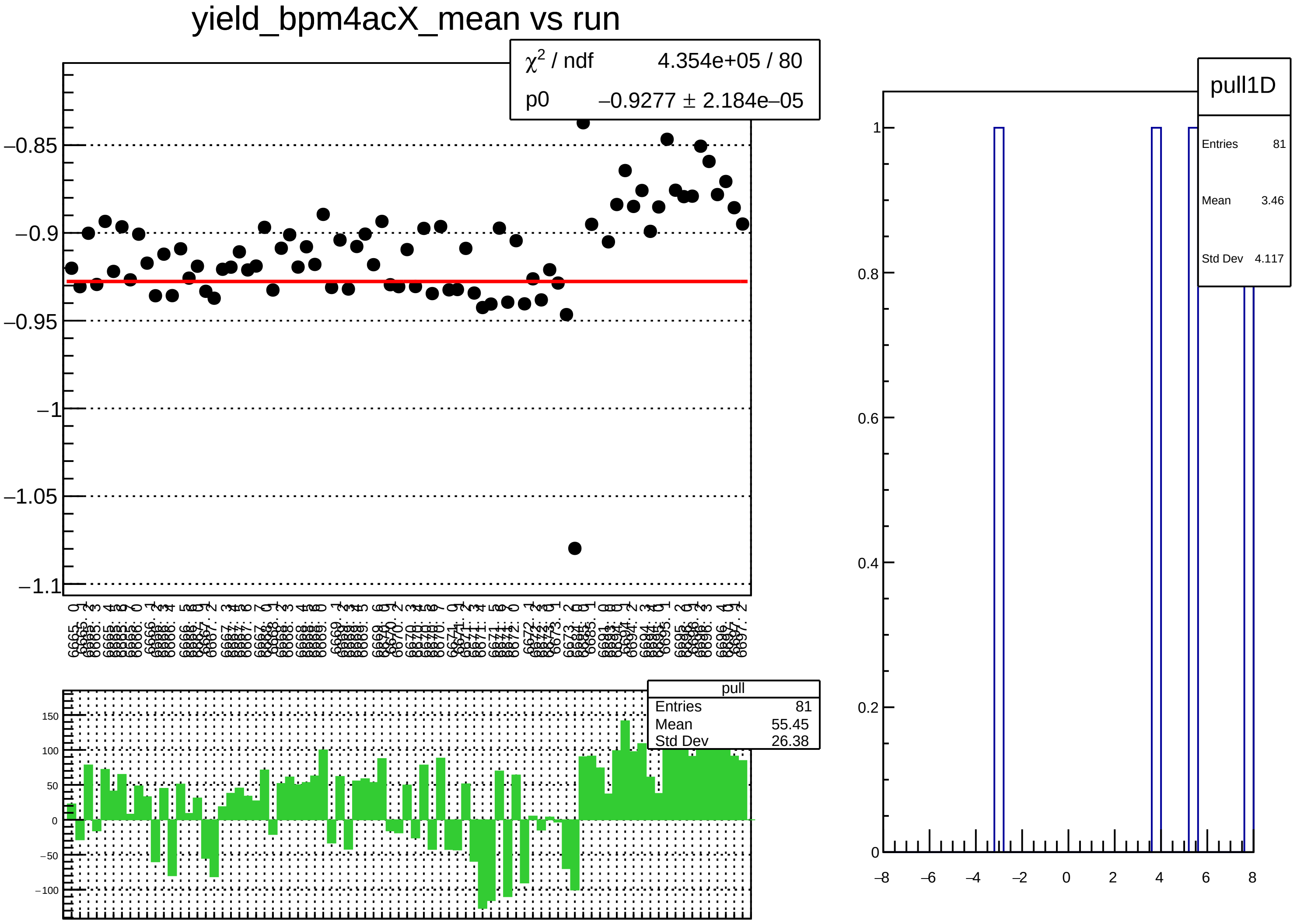
yield_bpm4eX_rms vs run
χ^2 / ndf 4.729e+05 / 80
p0 0.01465 ± 1.418e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02



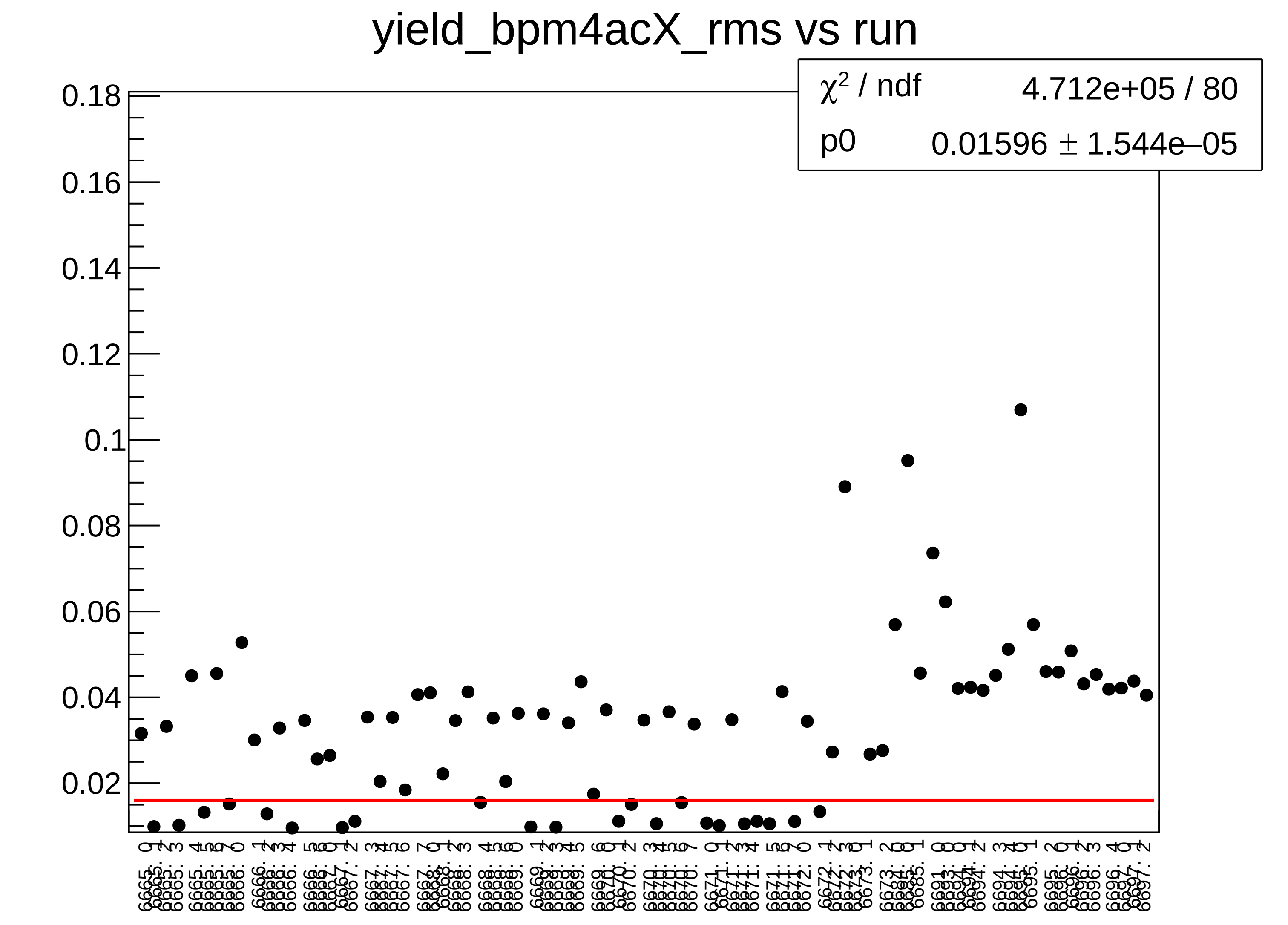
yield_bpm4eY_mean vs run
χ^2 / ndf 2.933e+05 / 80
p0 0.3315 ± 1.157e−05
pull
Entries 81
Mean 173.7
Std Dev 122.9
pull1D
Entries 81
Mean −0.1072
Std Dev 4.112



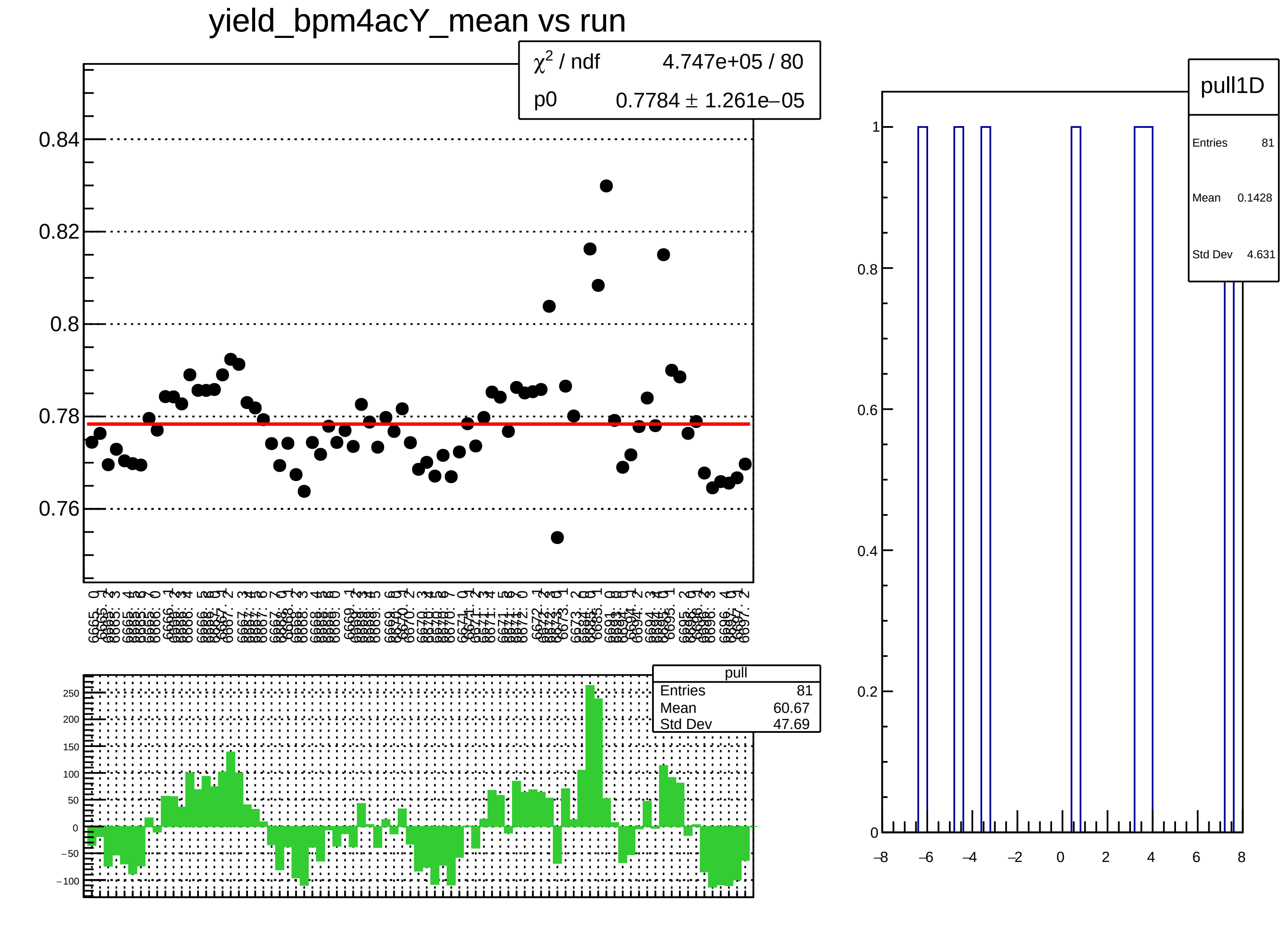
yield_bpm4eY_rms vs run
χ^2 / ndf 9.263e+04 / 80
p0 0.009842 ± 8.181e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01



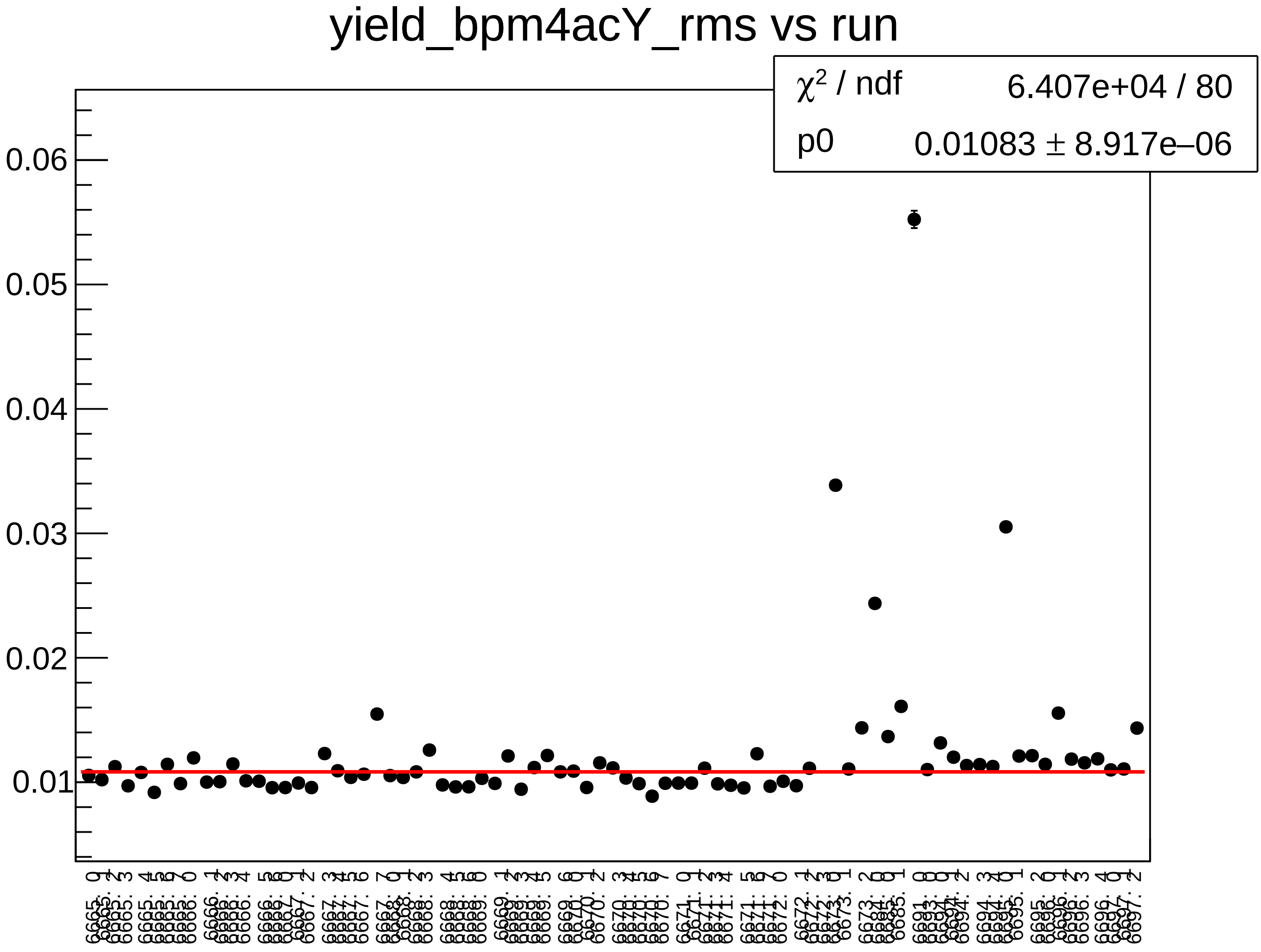
yield_bpm4acX_mean vs run
χ^2 / ndf 4.354e+05 / 80
p0 −0.9277 ± 2.184e−05
pull
Entries 81
Mean 55.45
Std Dev 26.38
pull1D
Entries 81
Mean 3.46
Std Dev 4.117



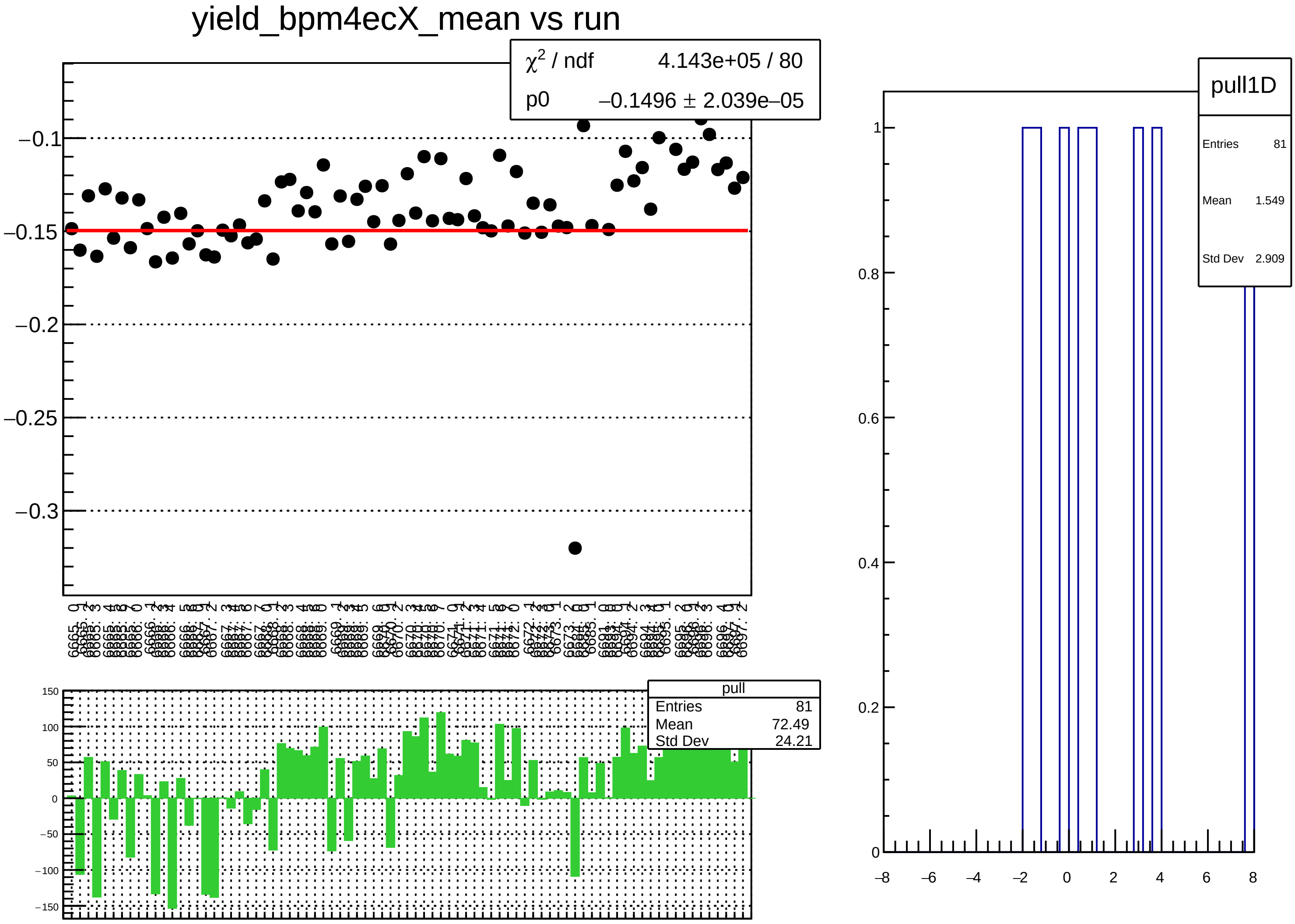
yield_bpm4acX_rms vs run
χ^2 / ndf 4.712e+05 / 80
p0 0.01596 ± 1.544e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02



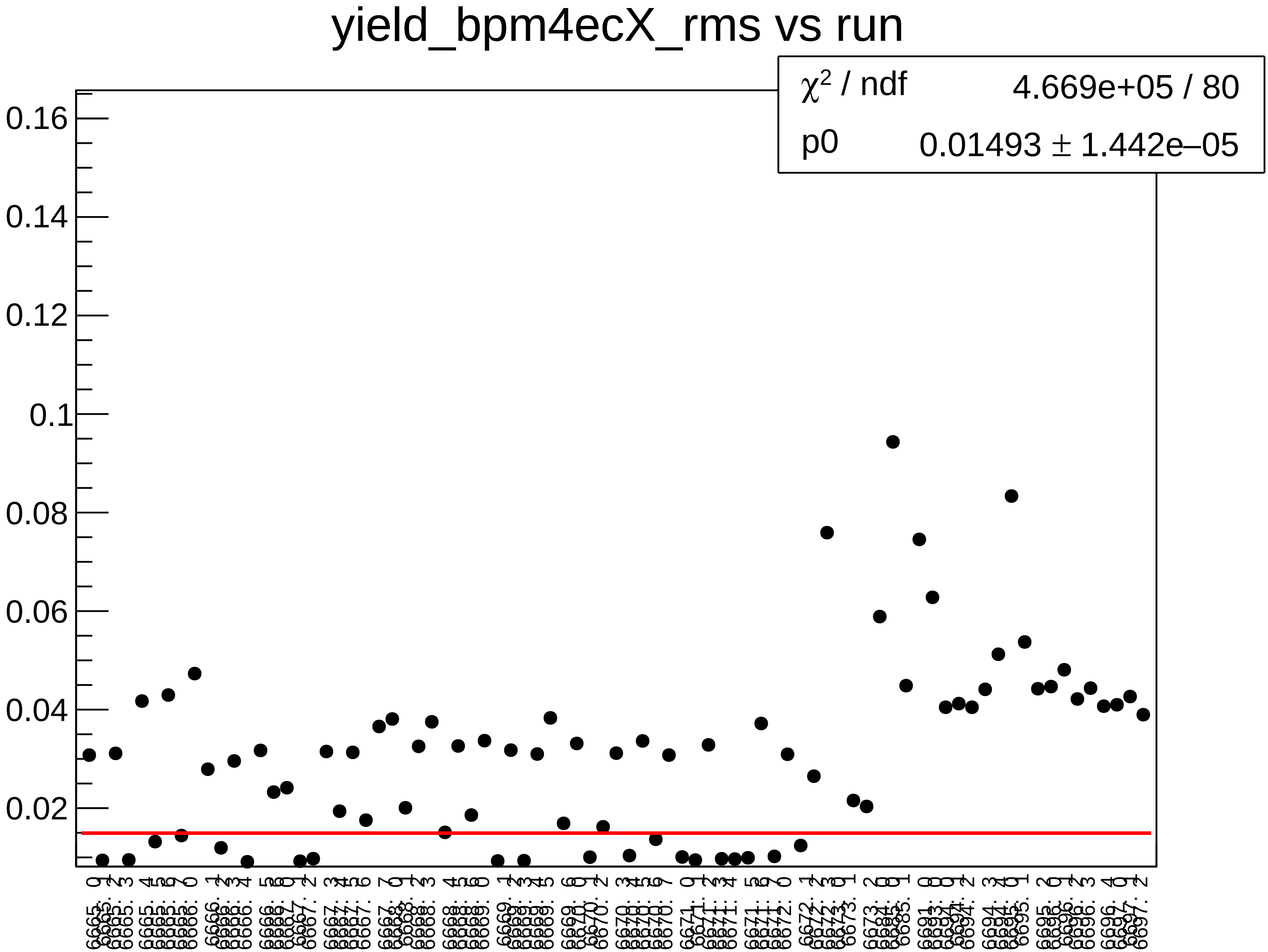
yield_bpm4acY_mean vs run
χ2 / ndf 4.747e+05 / 80
p0 0.7784 ± 1.261e−05
pull
Entries 81
Mean 60.67
Std Dev 47.69
pull1D
Entries 81
Mean 0.1428
Std Dev 4.631



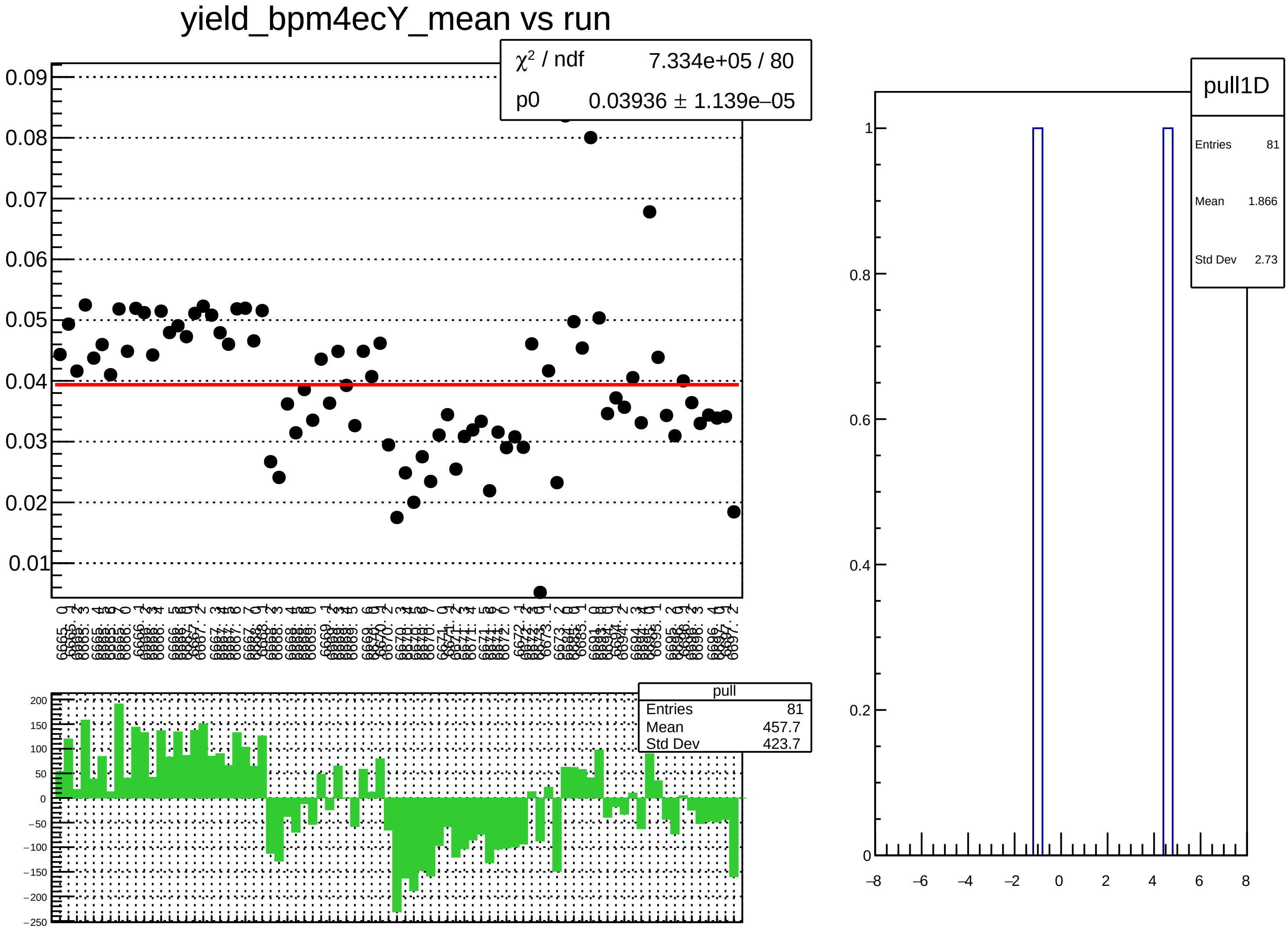
yield_bpm4acY_rms vs run
χ^2 / ndf 6.407e+04 / 80
p0 0.01083 ± 8.917e−06
0.06
0.05
0.04
0.03
0.02
0.01



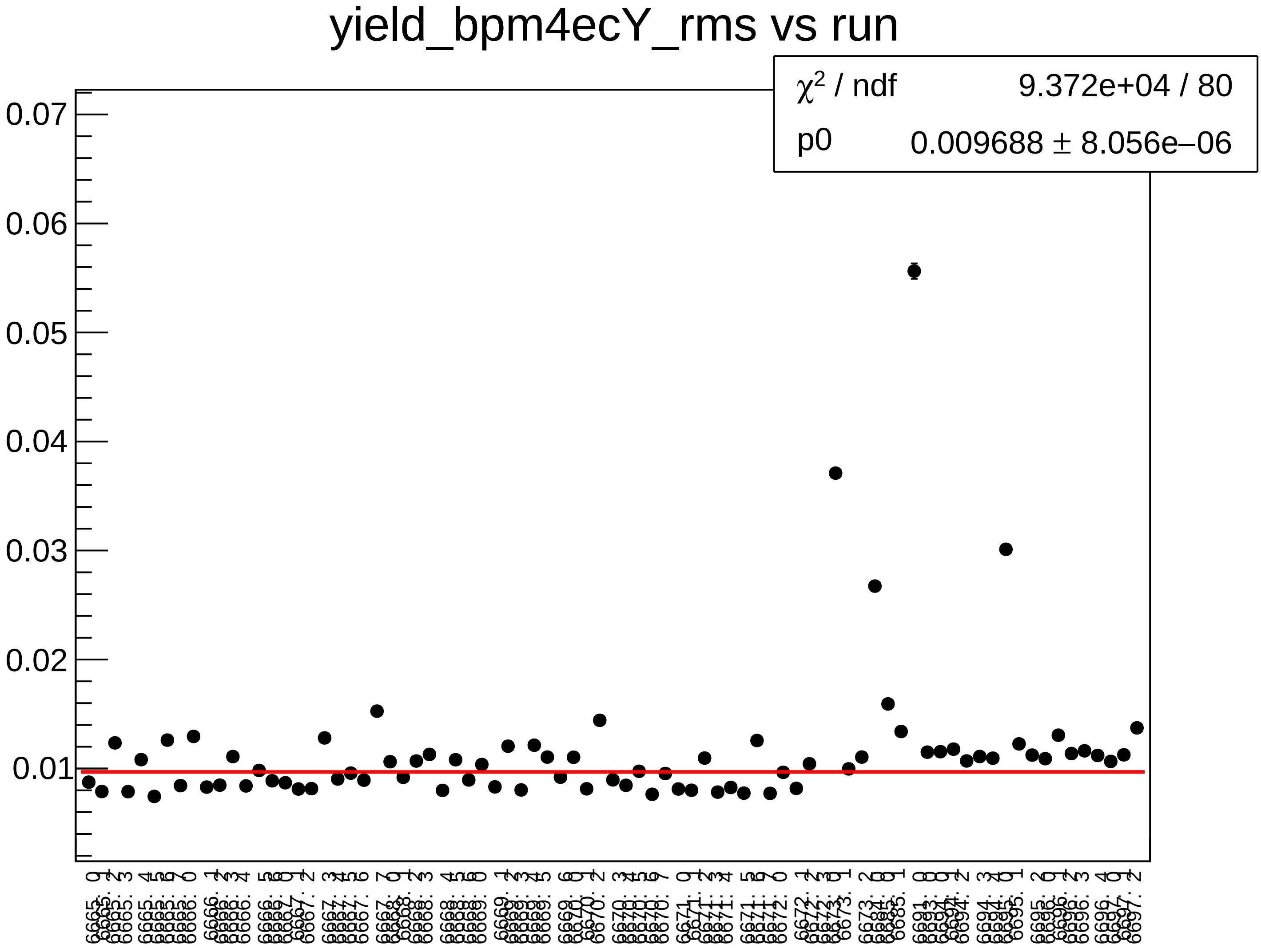
yield_bpm4ecX_mean vs run
χ2 / ndf 4.143e+05 / 80
p0 −0.1496 ± 2.039e−05
pull
Entries 81
Mean 72.49
Std Dev 24.21
pull1D
Entries 81
Mean 1.549
Std Dev 2.909



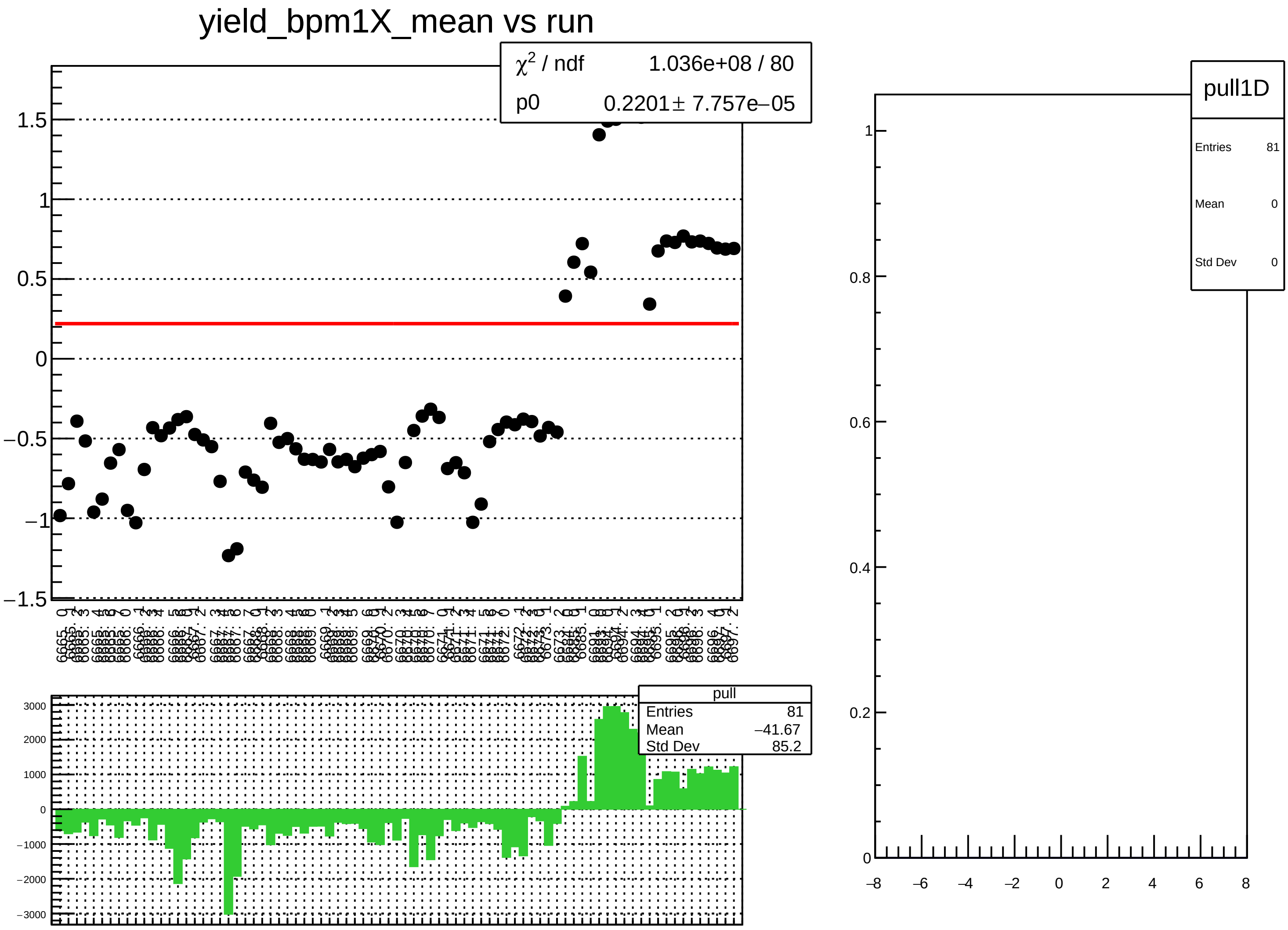
yield_bpm4ecX_rms vs run
χ^2 / ndf 4.669e+05 / 80
p0 0.01493 ± 1.442e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02



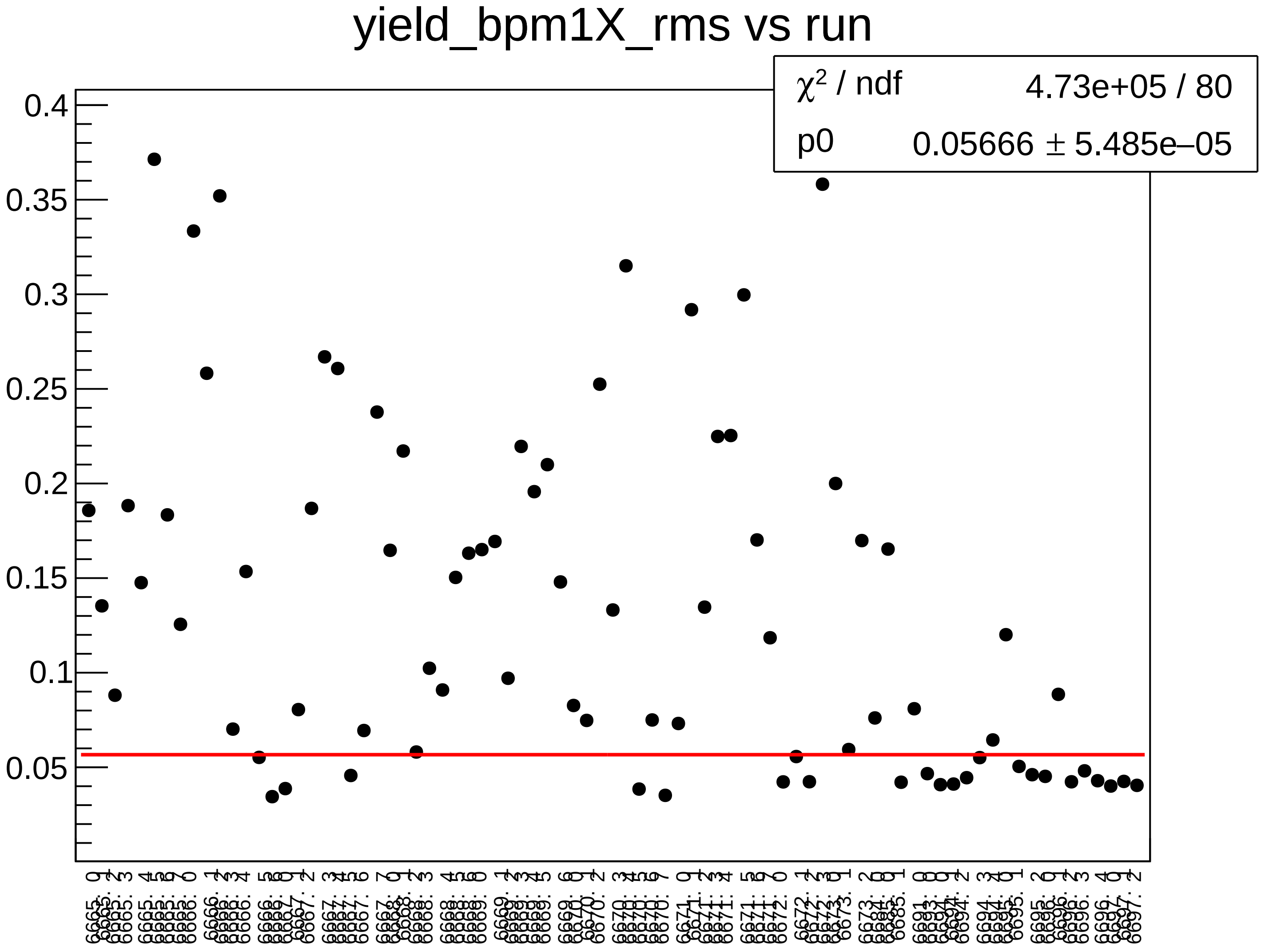
yield_bpm4ecY_mean vs run
χ2 / ndf 7.334e+05 / 80
p0 0.03936 ± 1.139e−05
pull
Entries 81
Mean 457.7
Std Dev 423.7
pull1D
Entries 81
Mean 1.866
Std Dev 2.73



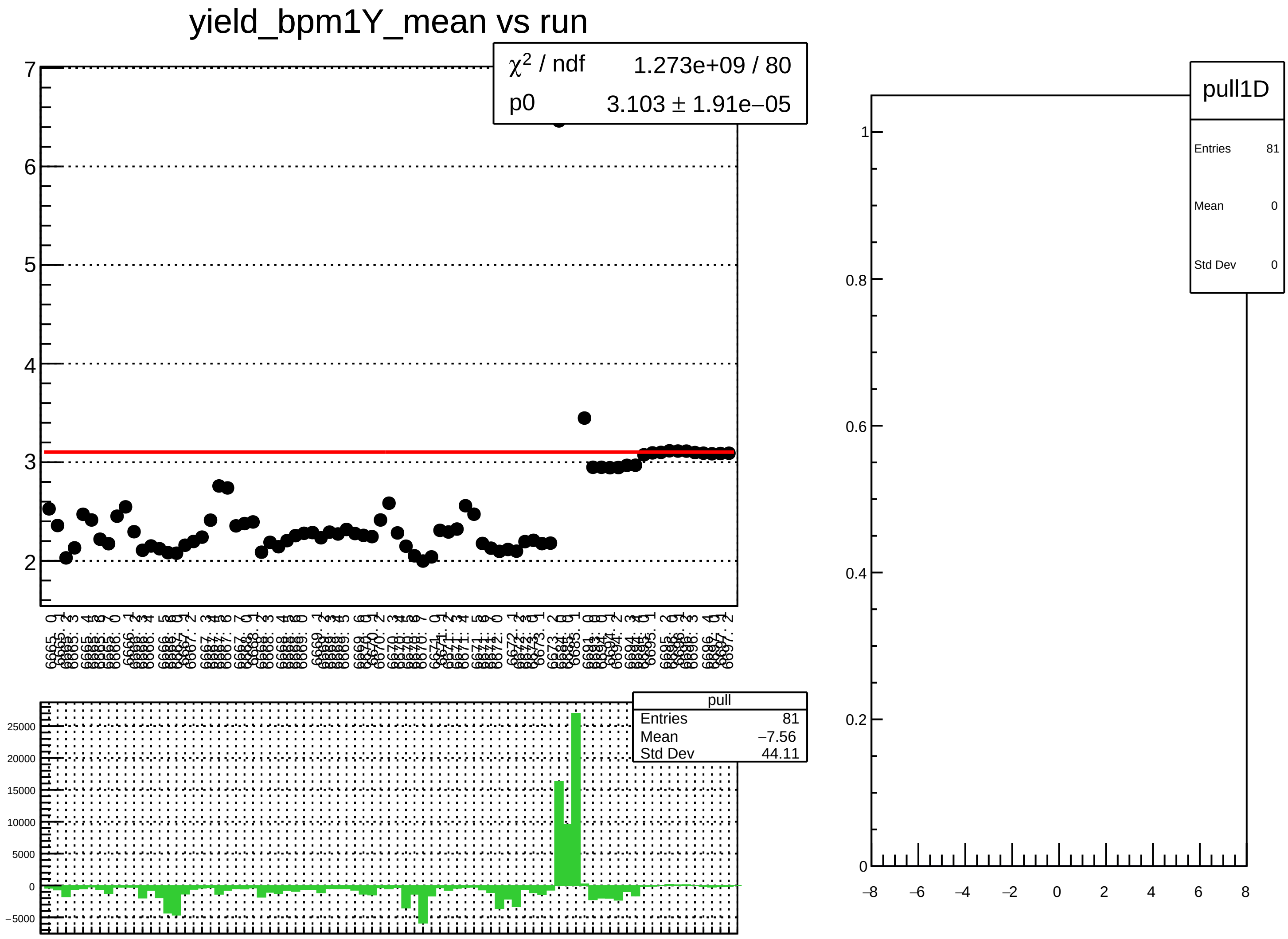
yield_bpm4ecY_rms vs run
χ^2 / ndf 9.372e+04 / 80
p0 0.009688 ± 8.056e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01



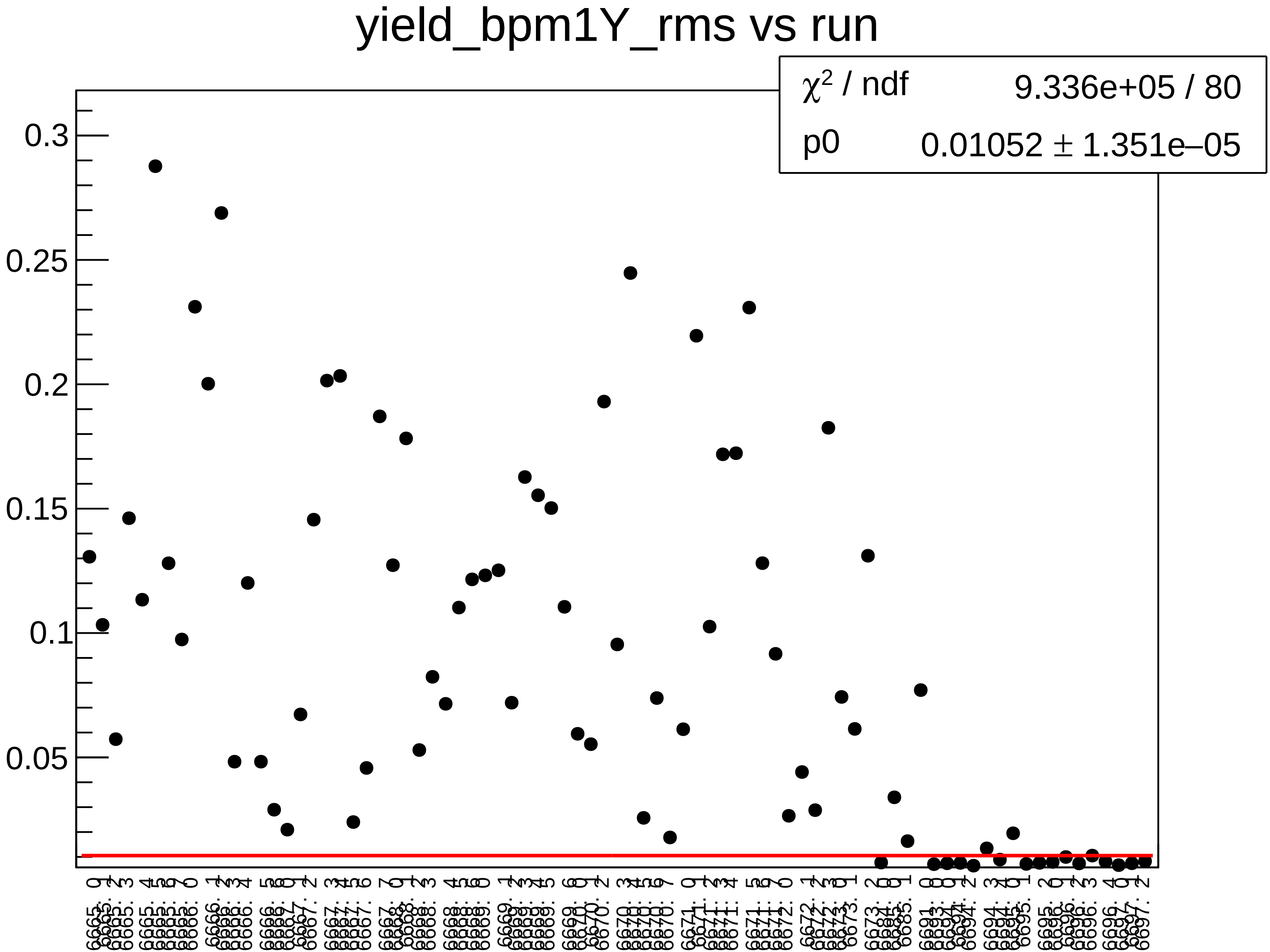
yield_bpm1X_mean vs run
χ^2 / ndf 1.036e+08 / 80
p0 0.2201 ± 7.757e−05
pull
Entries 81
Mean −41.67
Std Dev 85.2
pull1D
Entries 81
Mean 0
Std Dev 0



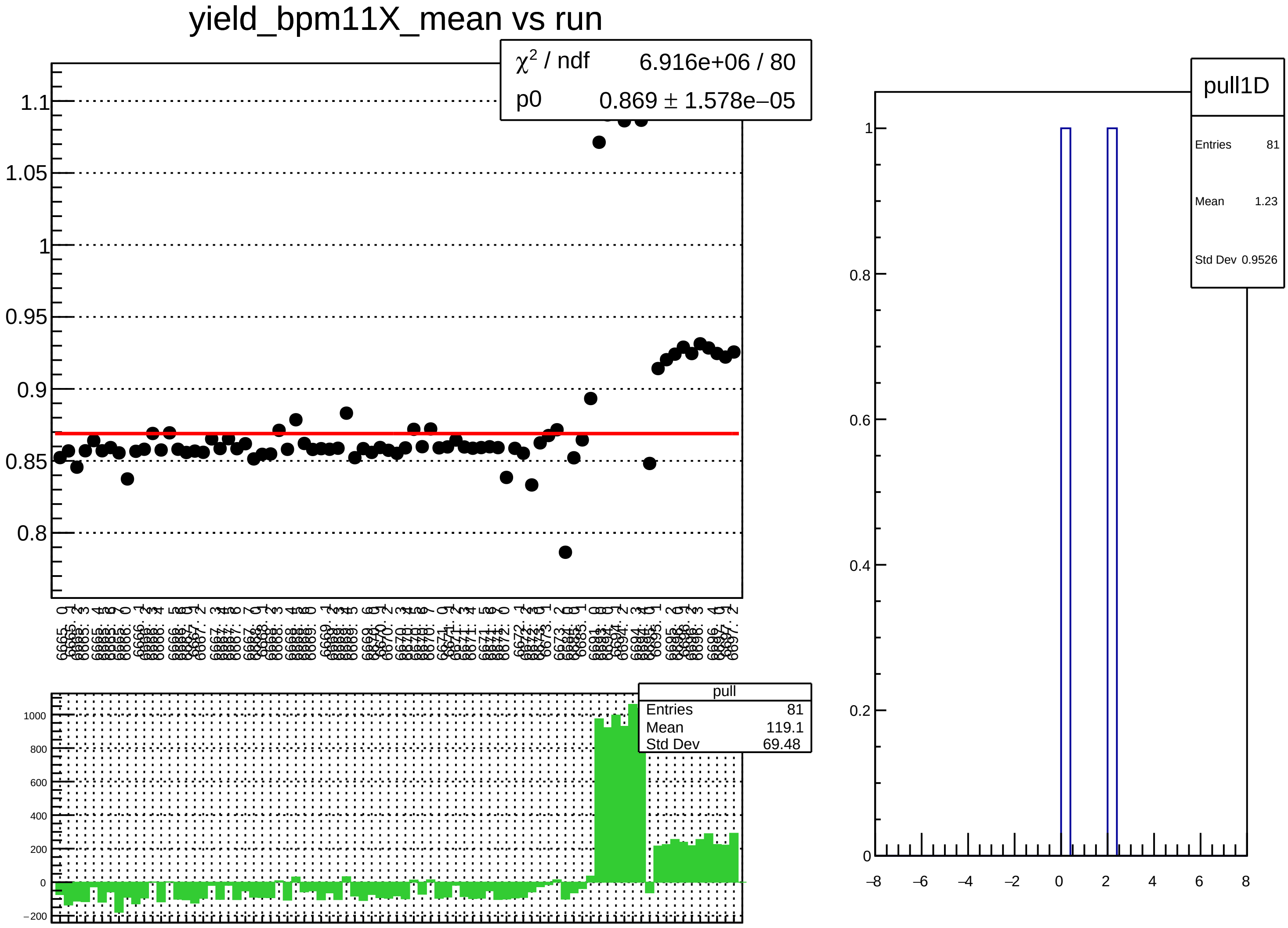
yield_bpm1X_rms vs run
χ^2 / ndf 4.73e+05 / 80
p0 0.05666 ± 5.485e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

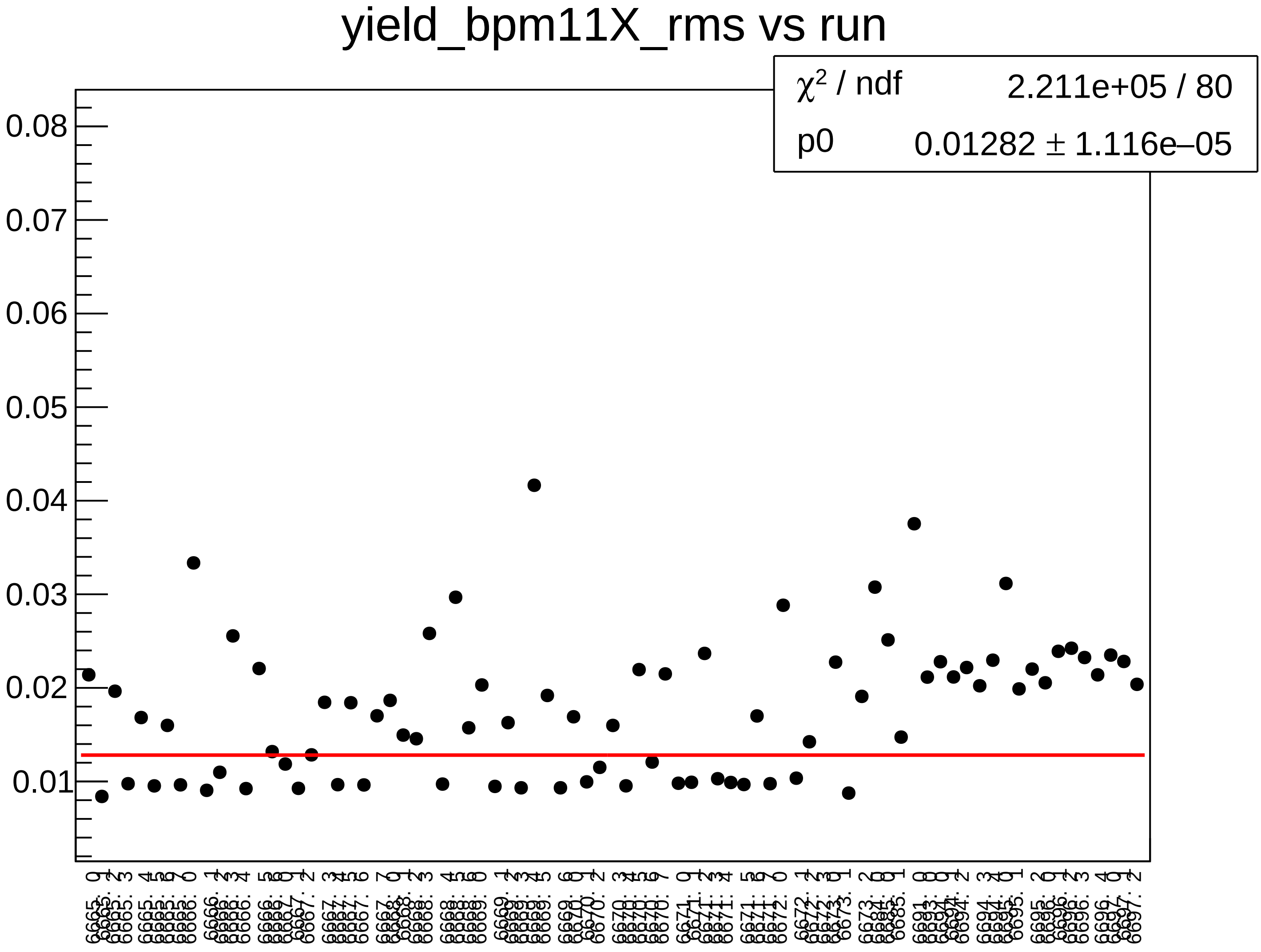


yield_bpm1Y_mean vs run
χ2 / ndf 1.273e+09 / 80
p0 3.103 ± 1.91e−05
pull
Entries 81
Mean −7.56
Std Dev 44.11
pull1D
Entries 81
Mean 0
Std Dev 0

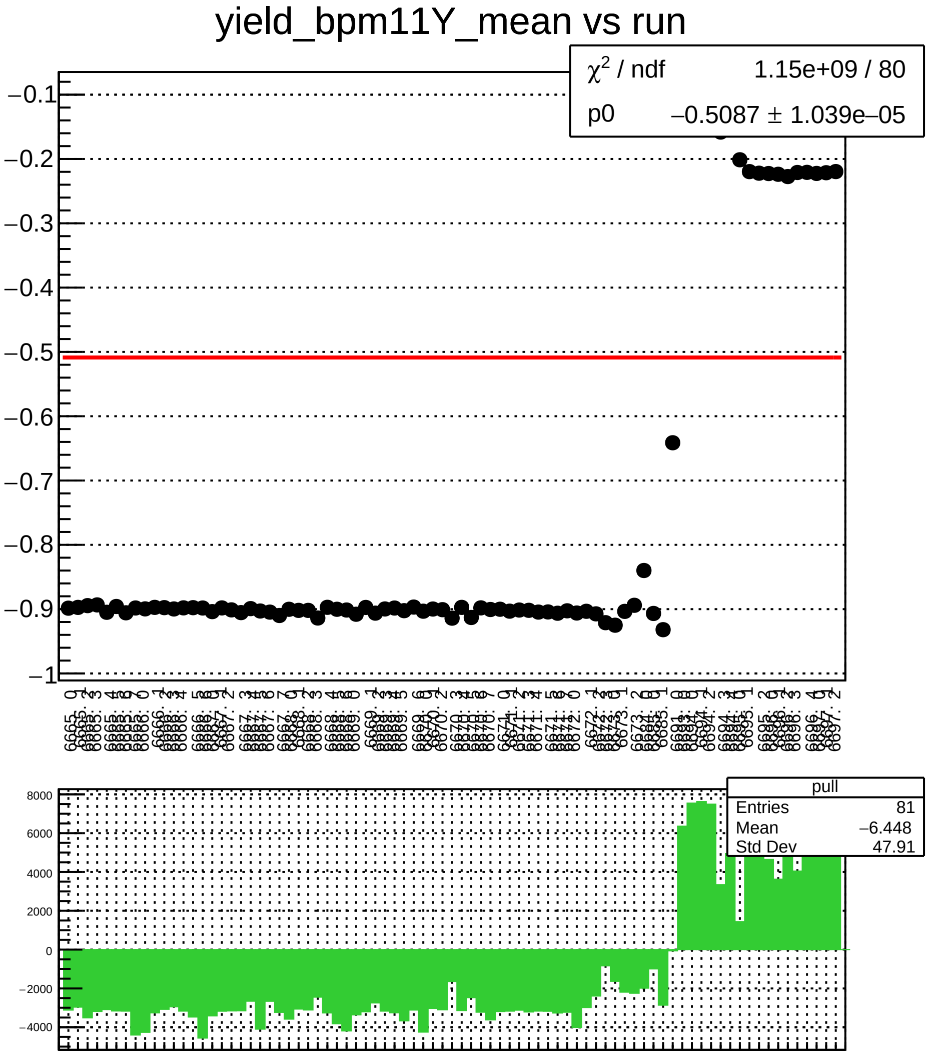


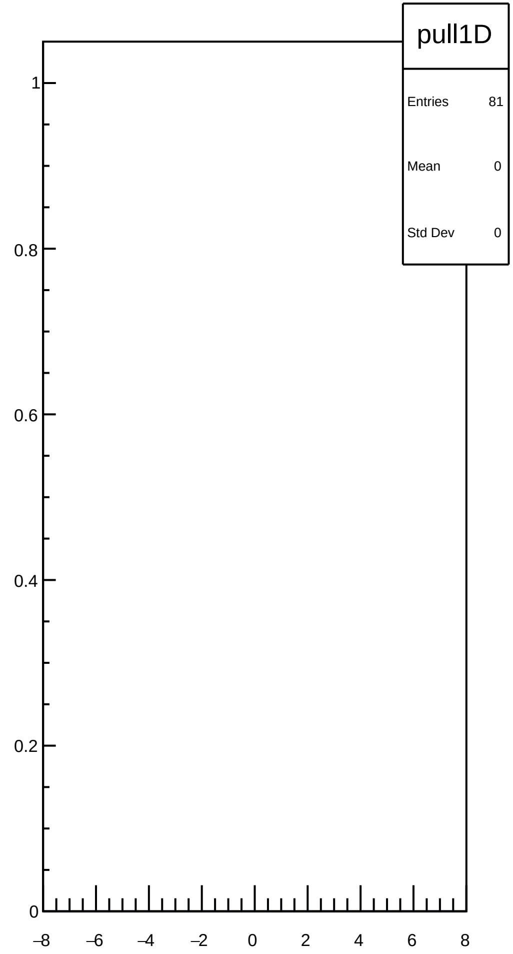
yield_bpm1Y_rms vs run
χ^2 / ndf 9.336e+05 / 80
p0 0.01052 ± 1.351e−05
0.3
0.25
0.2
0.15
0.1
0.05

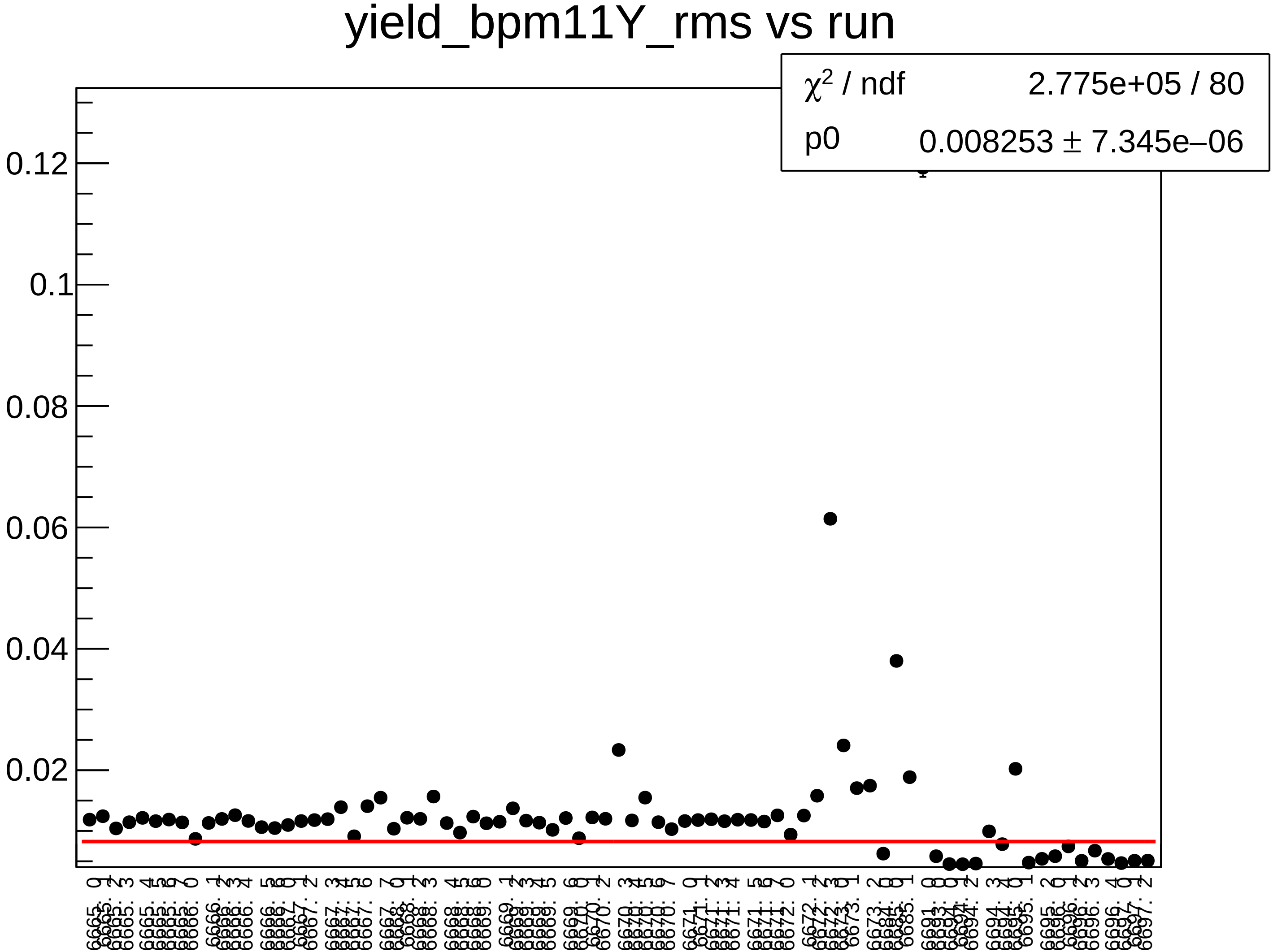

yield_bpm11X_mean vs run
χ^2 / ndf 6.916e+06 / 80
p0 0.869 ± 1.578e−05
pull
Entries 81
Mean 119.1
Std Dev 69.48
pull1D
Entries 81
Mean 1.23
Std Dev 0.9526



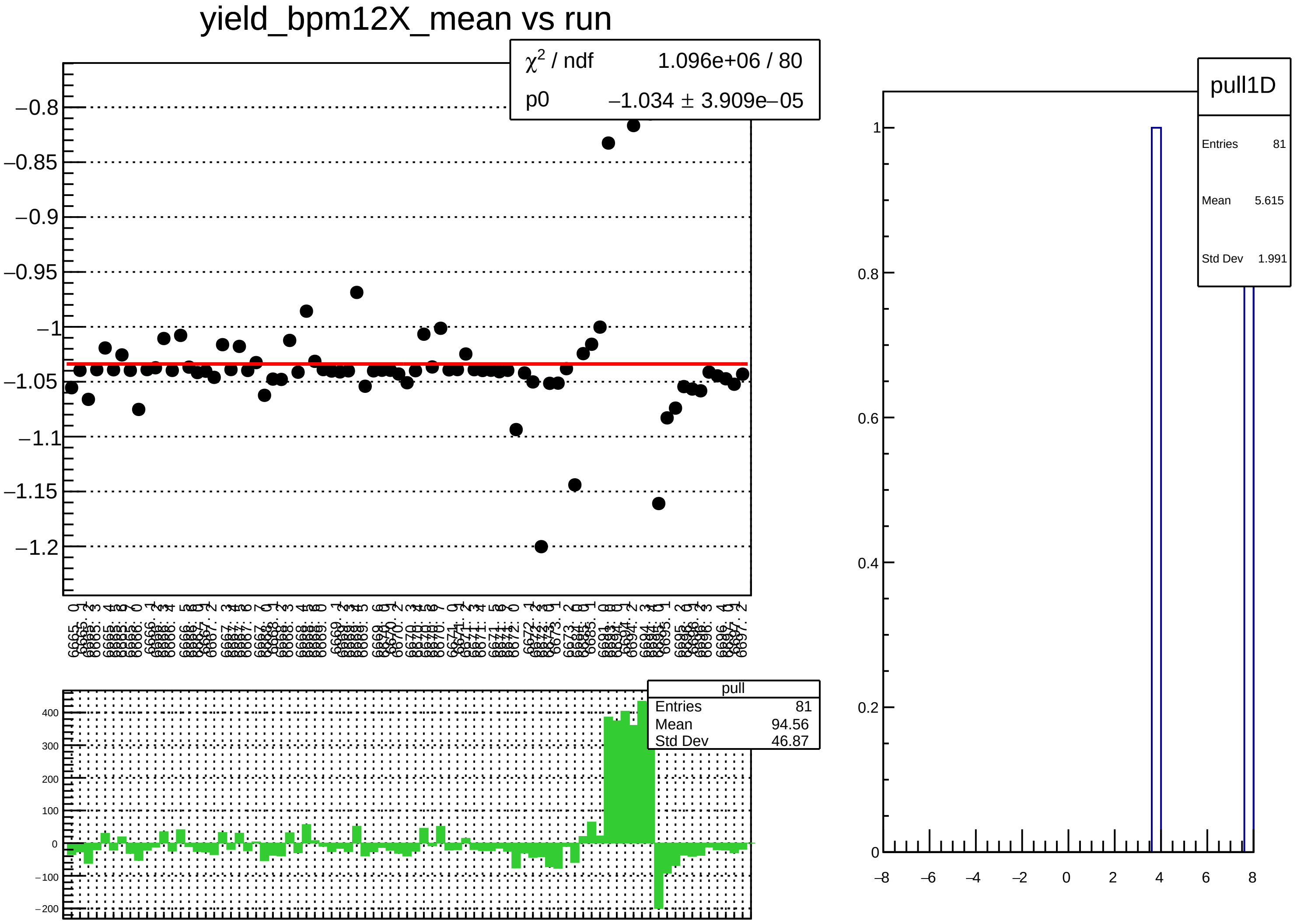
yield_bpm11X_rms vs run
χ2 / ndf 2.211e+05 / 80
p0 0.01282 ± 1.116e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01


yield_bpm11Y_mean vs run
χ^2 / ndf 1.15e+09 / 80
p0 −0.5087 ± 1.039e−05
pull
Entries 81
Mean −6.448
Std Dev 47.91

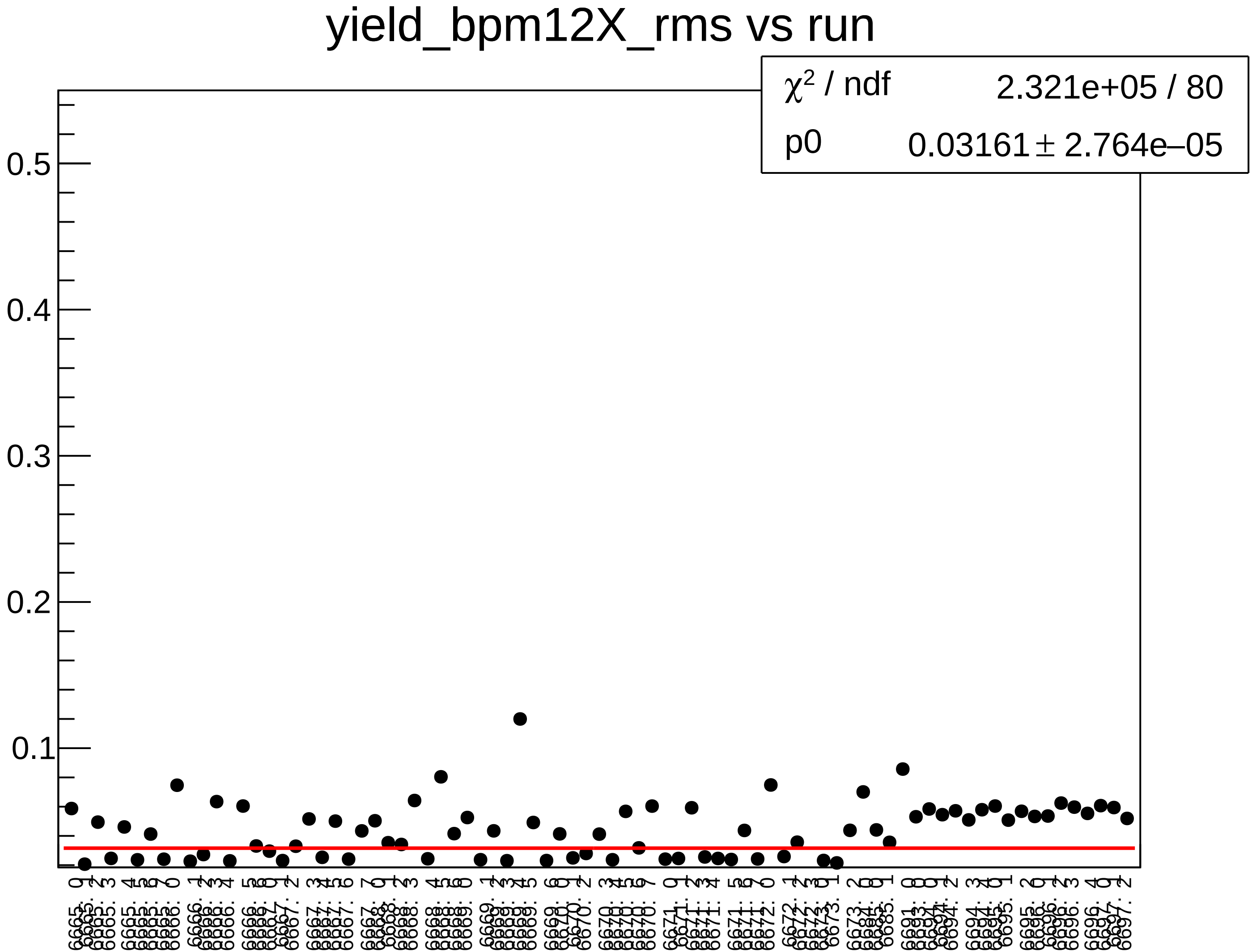

pull1D
Entries 81
Mean 0
Std Dev 0

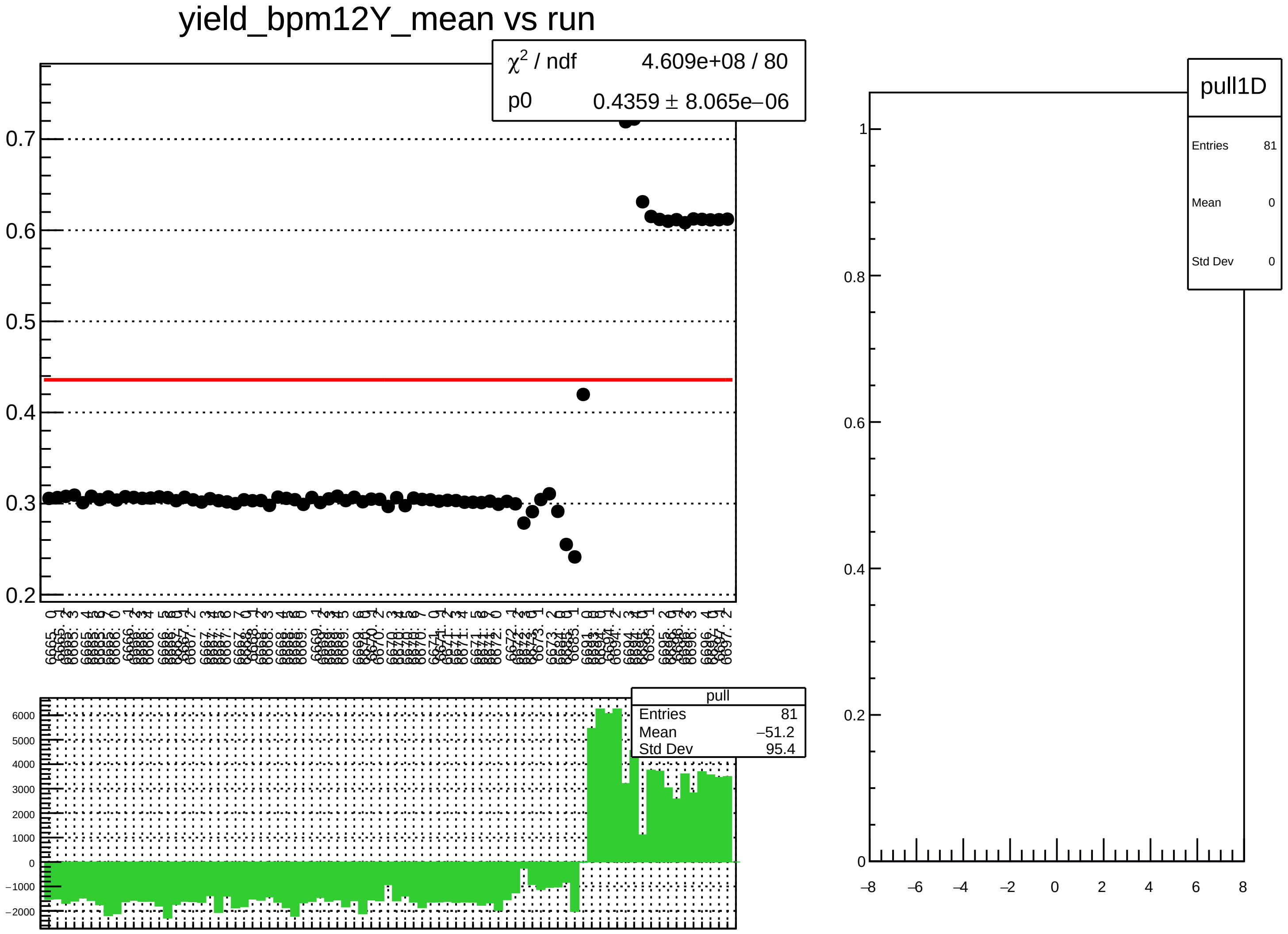


yield_bpm11Y_rms vs run
χ^2 / ndf 2.775e+05 / 80
p0 0.008253 ± 7.345e−06
0.12
0.1
0.08
0.06
0.04
0.02

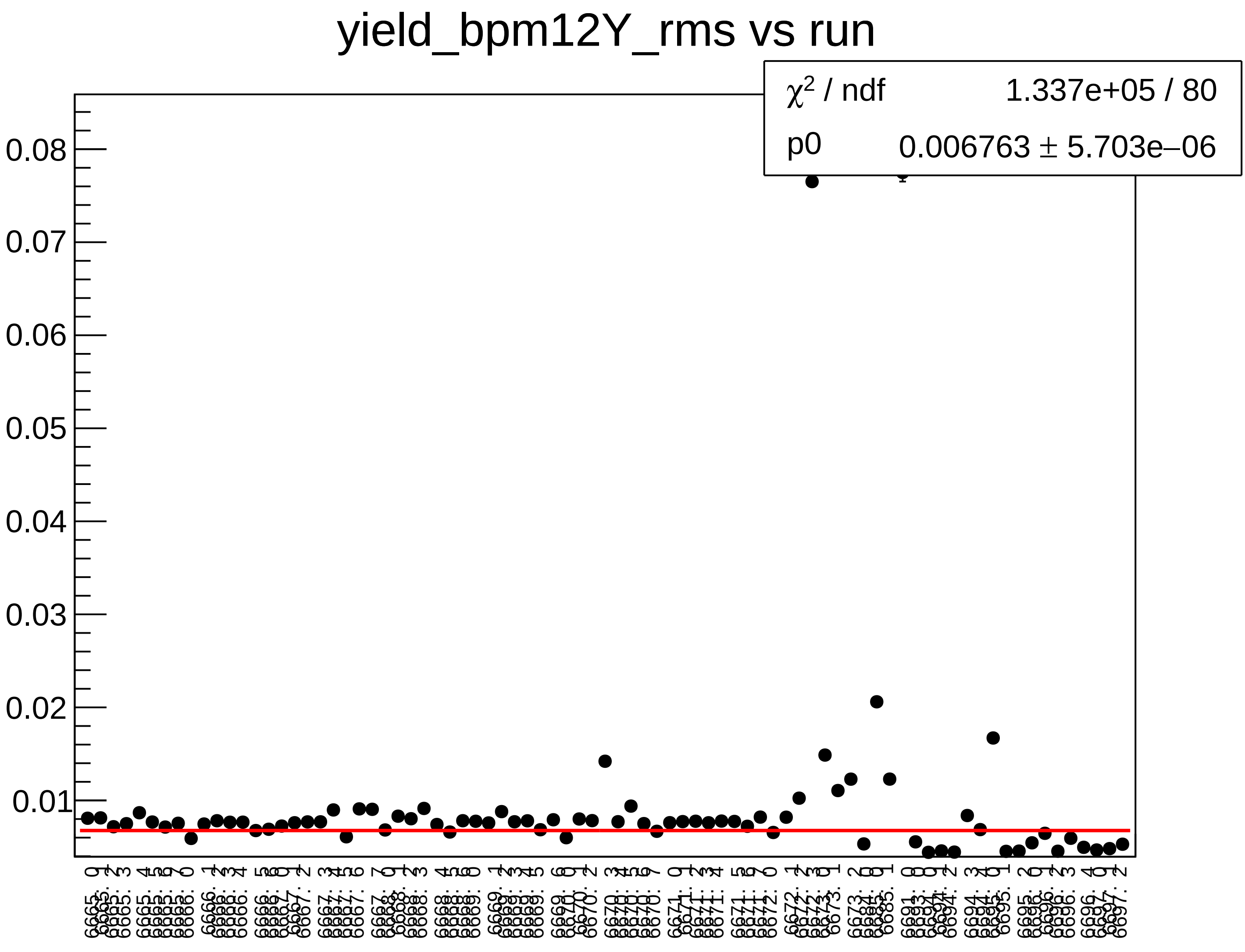


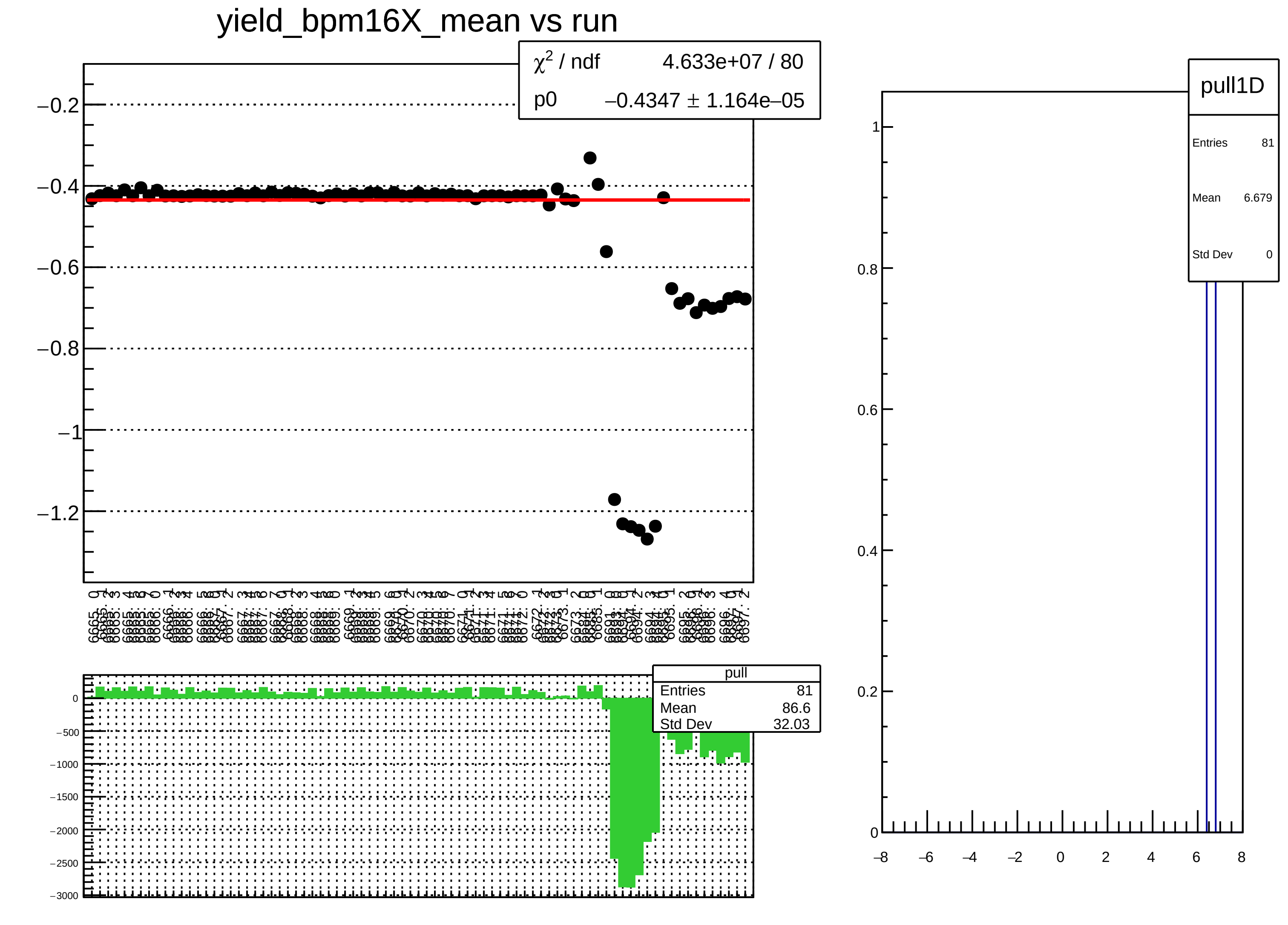
yield_bpm12X_mean vs run
χ2 / ndf 1.096e+06 / 80
p0 −1.034 ± 3.909e−05
pull
Entries 81
Mean 94.56
Std Dev 46.87
pull1D
Entries 81
Mean 5.615
Std Dev 1.991

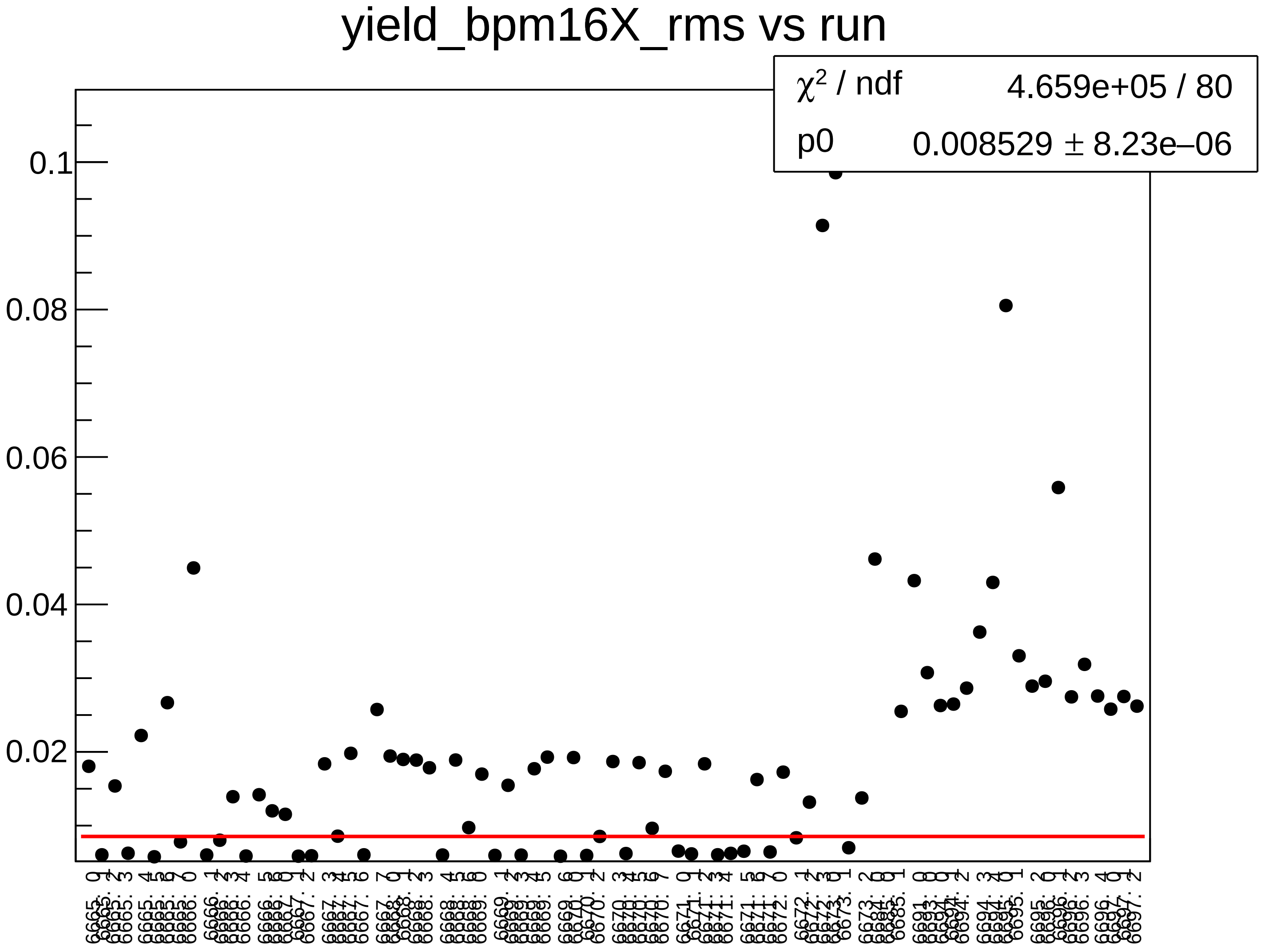

yield_bpm12X_rms vs run
χ^2 / ndf 2.321e+05 / 80
p0 0.03161 ± 2.764e−05
0.5
0.4
0.3
0.2
0.1



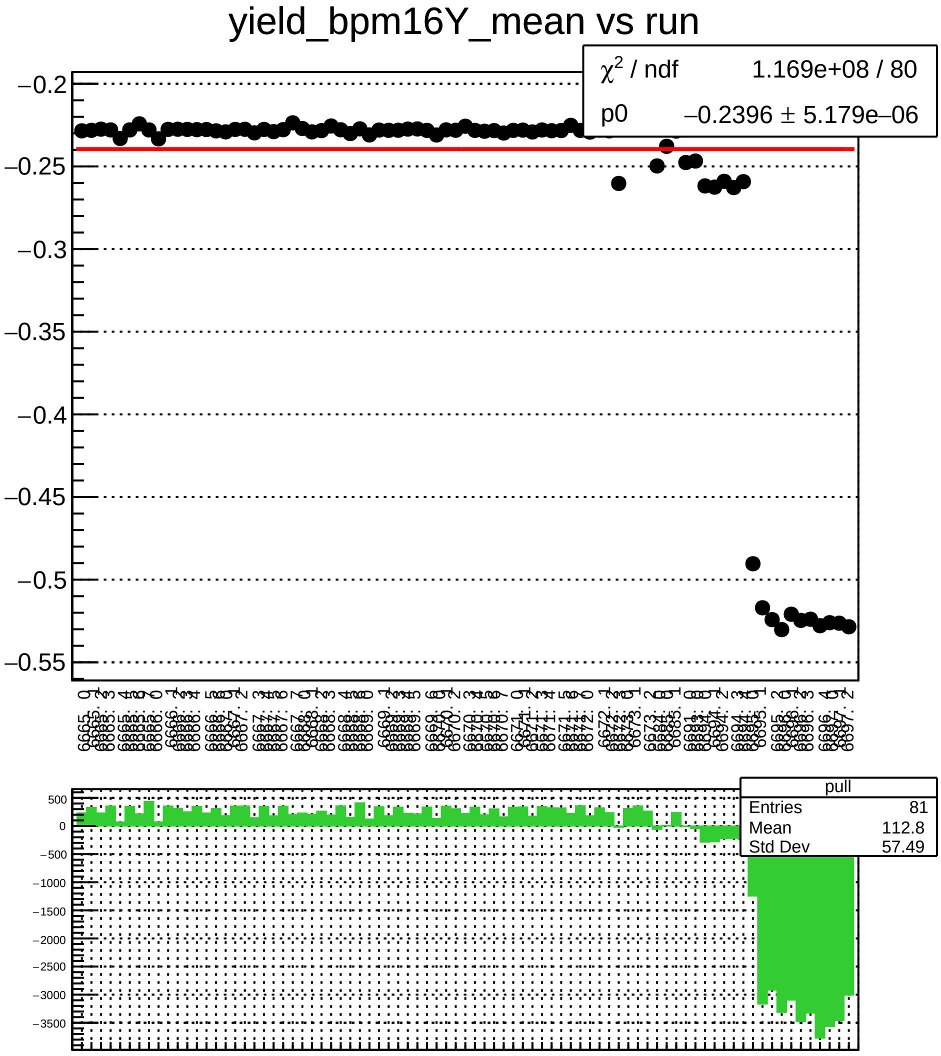
yield_bpm12Y_mean vs run
χ2 / ndf 4.609e+08 / 80
p0 0.4359 ± 8.065e−06
pull
Entries 81
Mean −51.2
Std Dev 95.4
pull1D
Entries 81
Mean 0
Std Dev 0


yield_bpm12Y_rms vs run
χ^2 / ndf 1.337e+05 / 80
p0 0.006763 ± 5.703e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

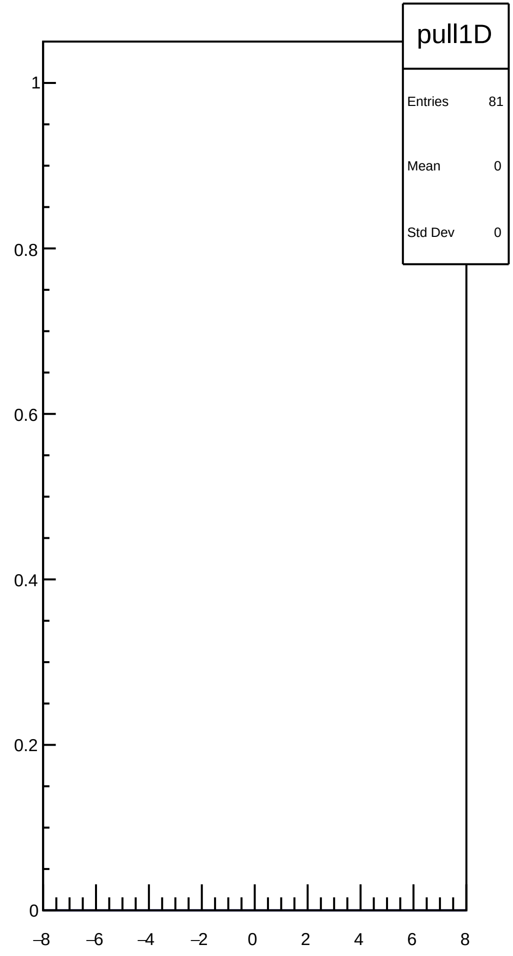

yield_bpm16X_mean vs run
χ2 / ndf 4.633e+07 / 80
p0 −0.4347 ± 1.164e−05
pull
Entries 81
Mean 86.6
Std Dev 32.03
pull1D
Entries 81
Mean 6.679
Std Dev 0



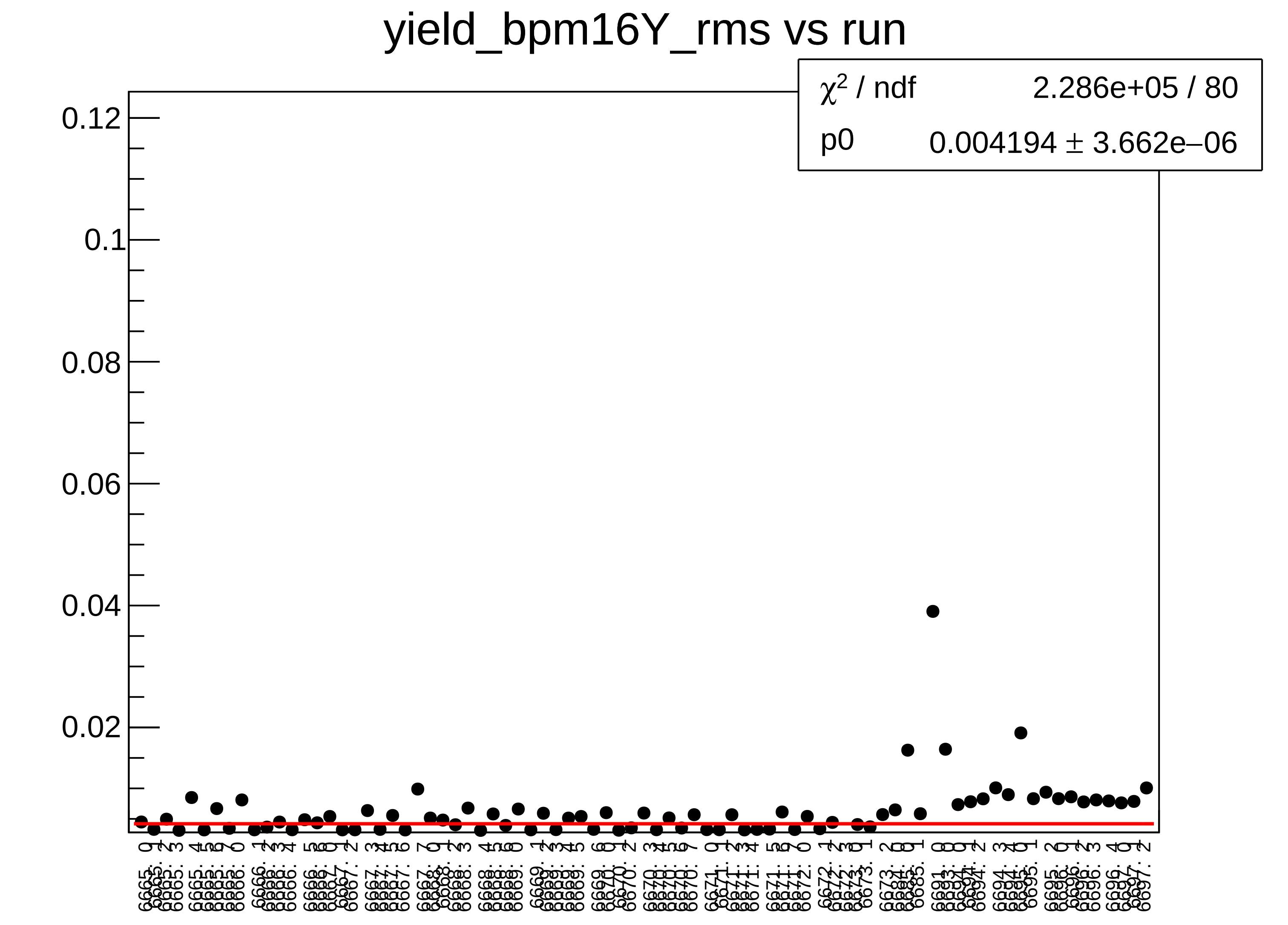
yield_bpm16X_rms vs run
χ2 / ndf 4.659e+05 / 80
p0 0.008529 ± 8.23e−06
0.1
0.08
0.06
0.04
0.02

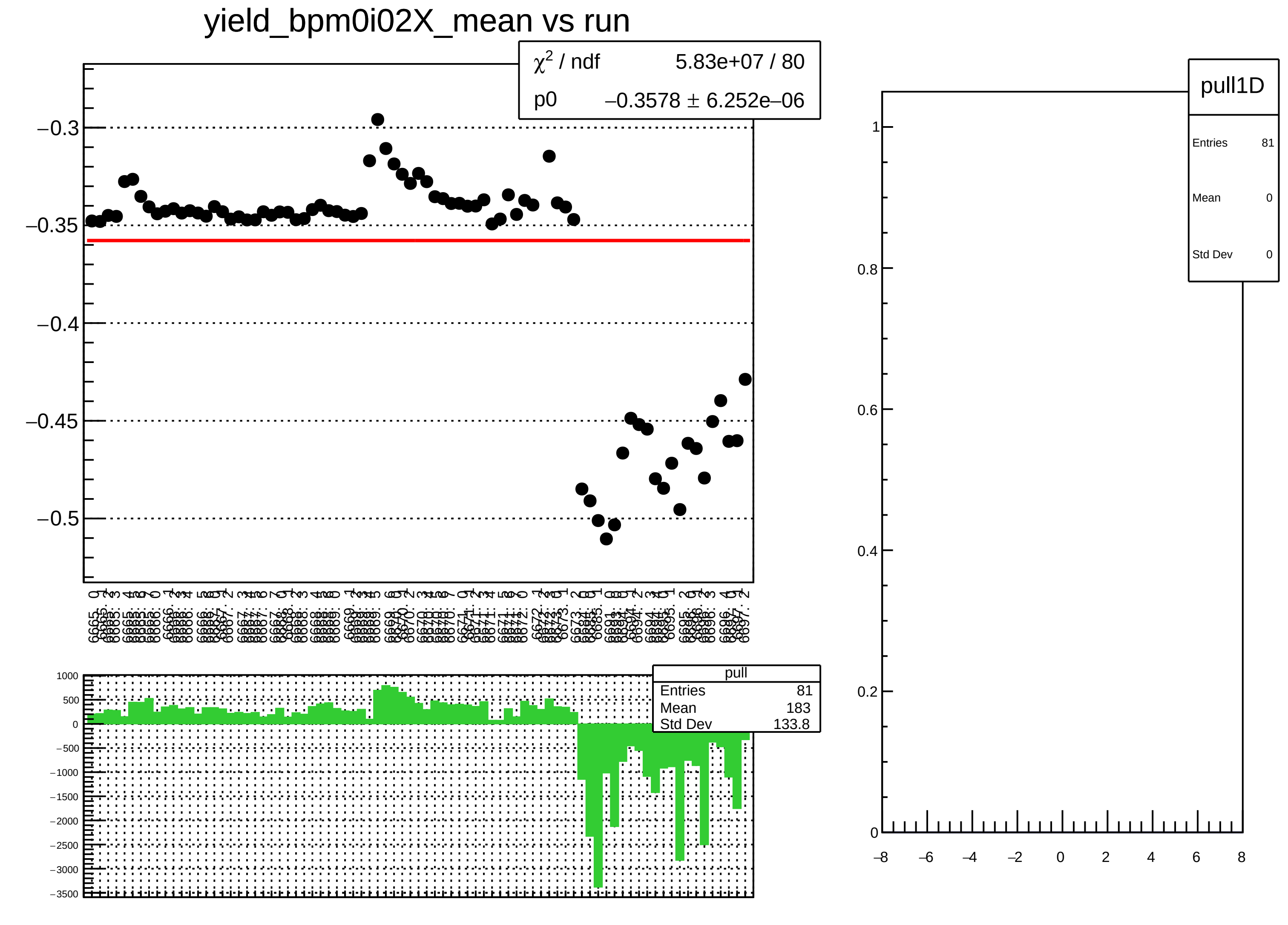


yield_bpm16Y_mean vs run
χ^2 / ndf 1.169e+08 / 80
p0 −0.2396 ± 5.179e−06
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
−0.5
−0.55
pull
Entries 81
Mean 112.8
Std Dev 57.49
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

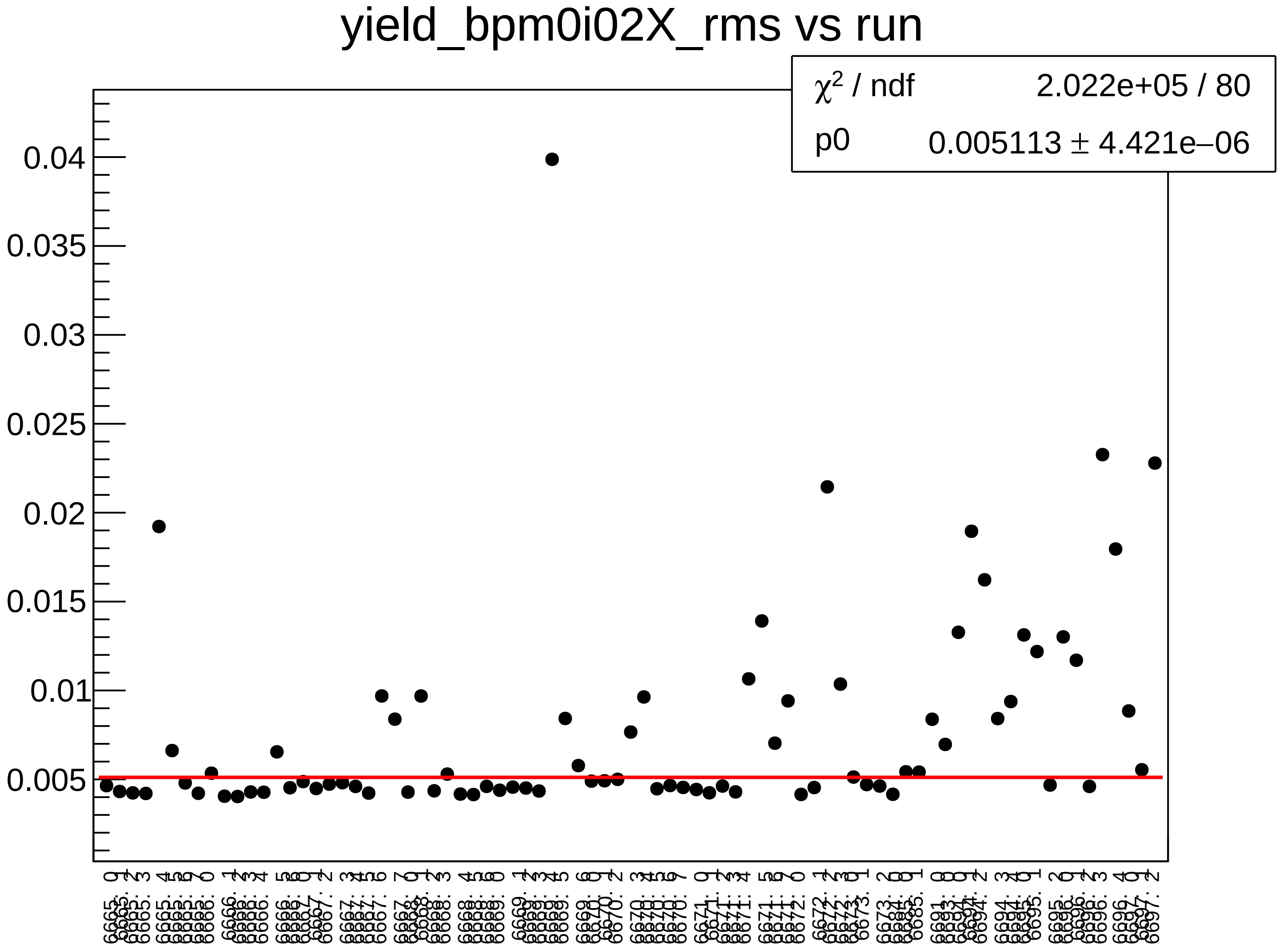


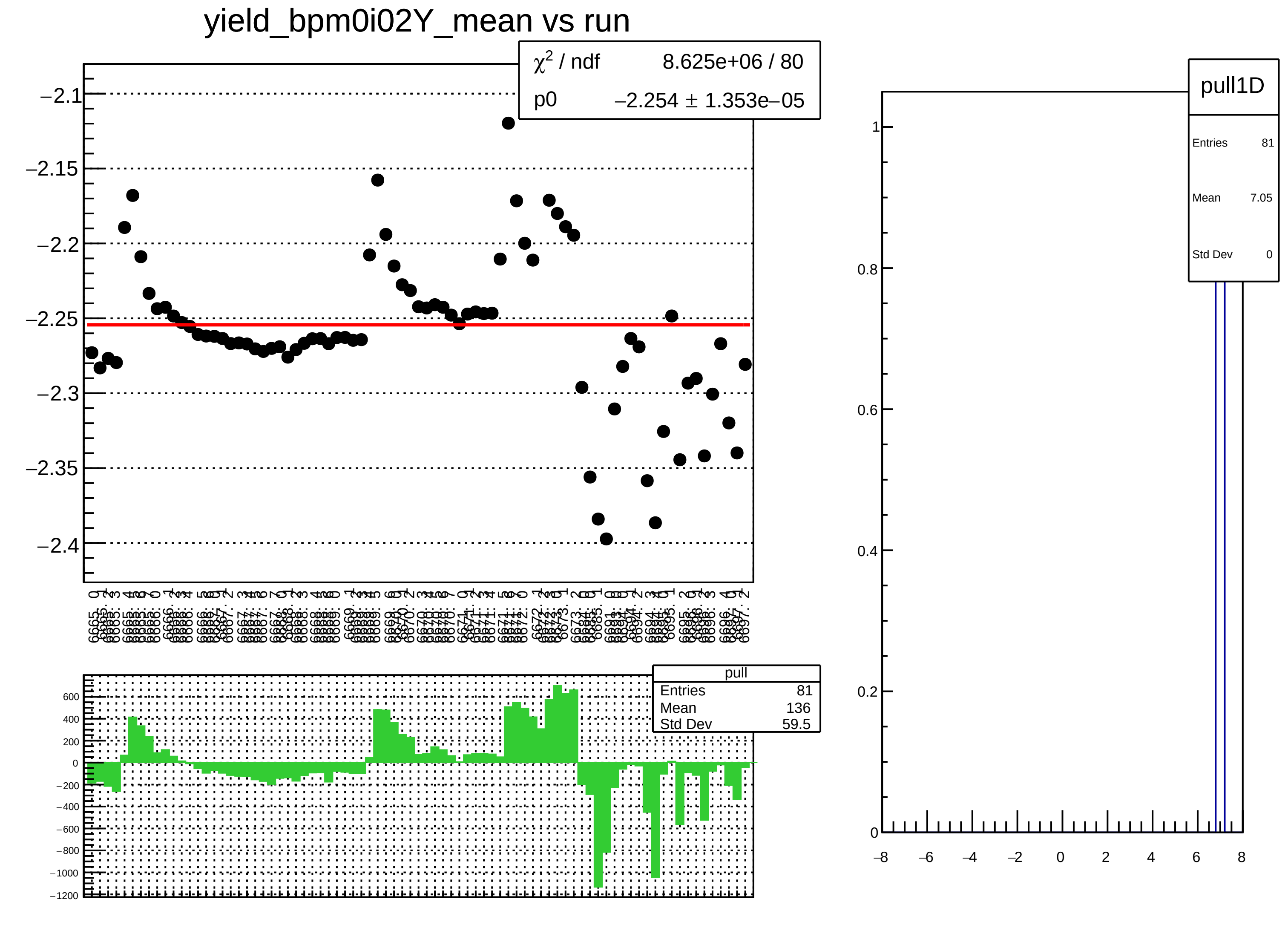
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

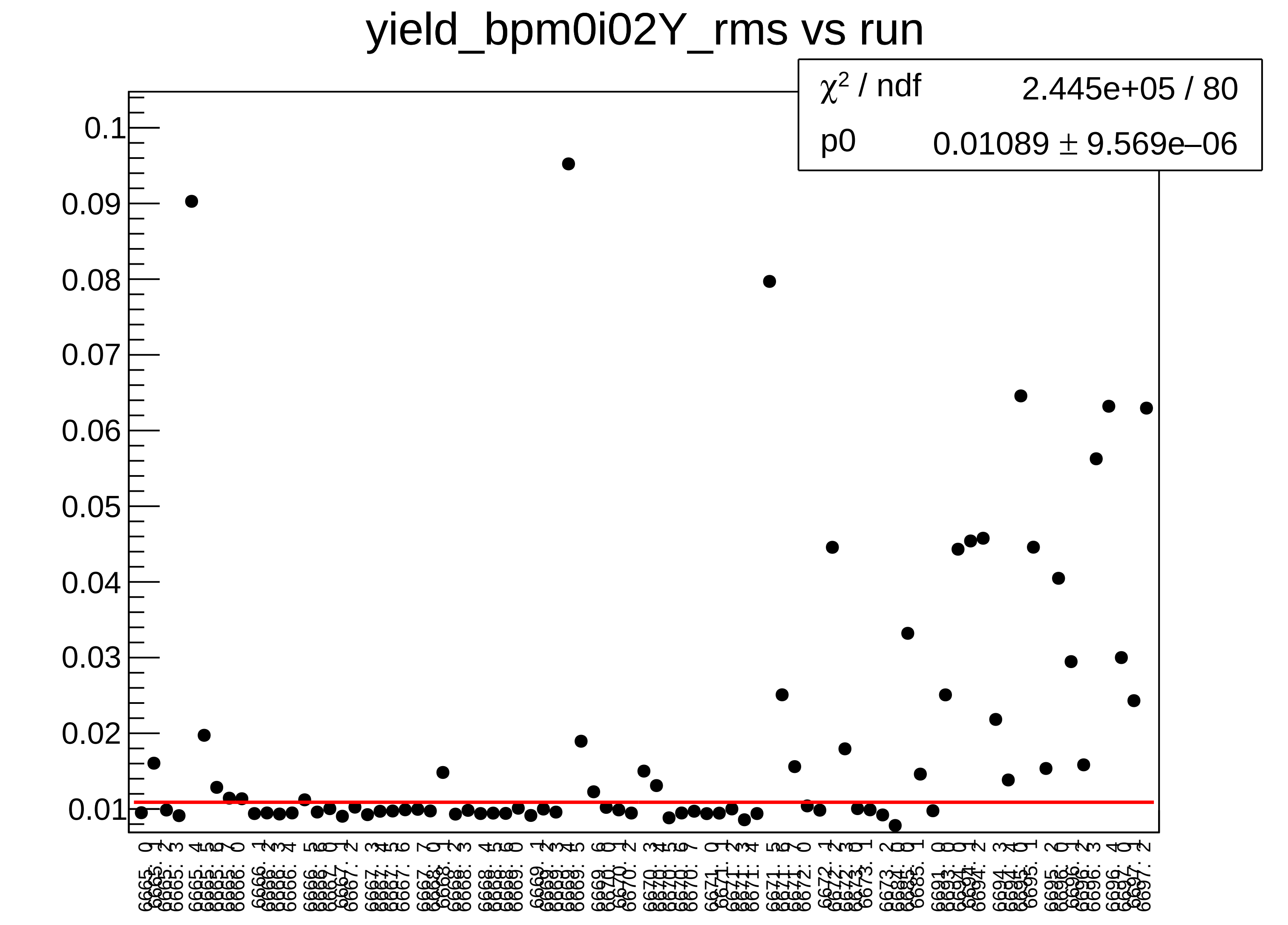

yield_bpm16Y_rms vs run
χ2 / ndf 2.286e+05 / 80
p0 0.004194 ± 3.662e−06
0.12
0.1
0.08
0.06
0.04
0.02



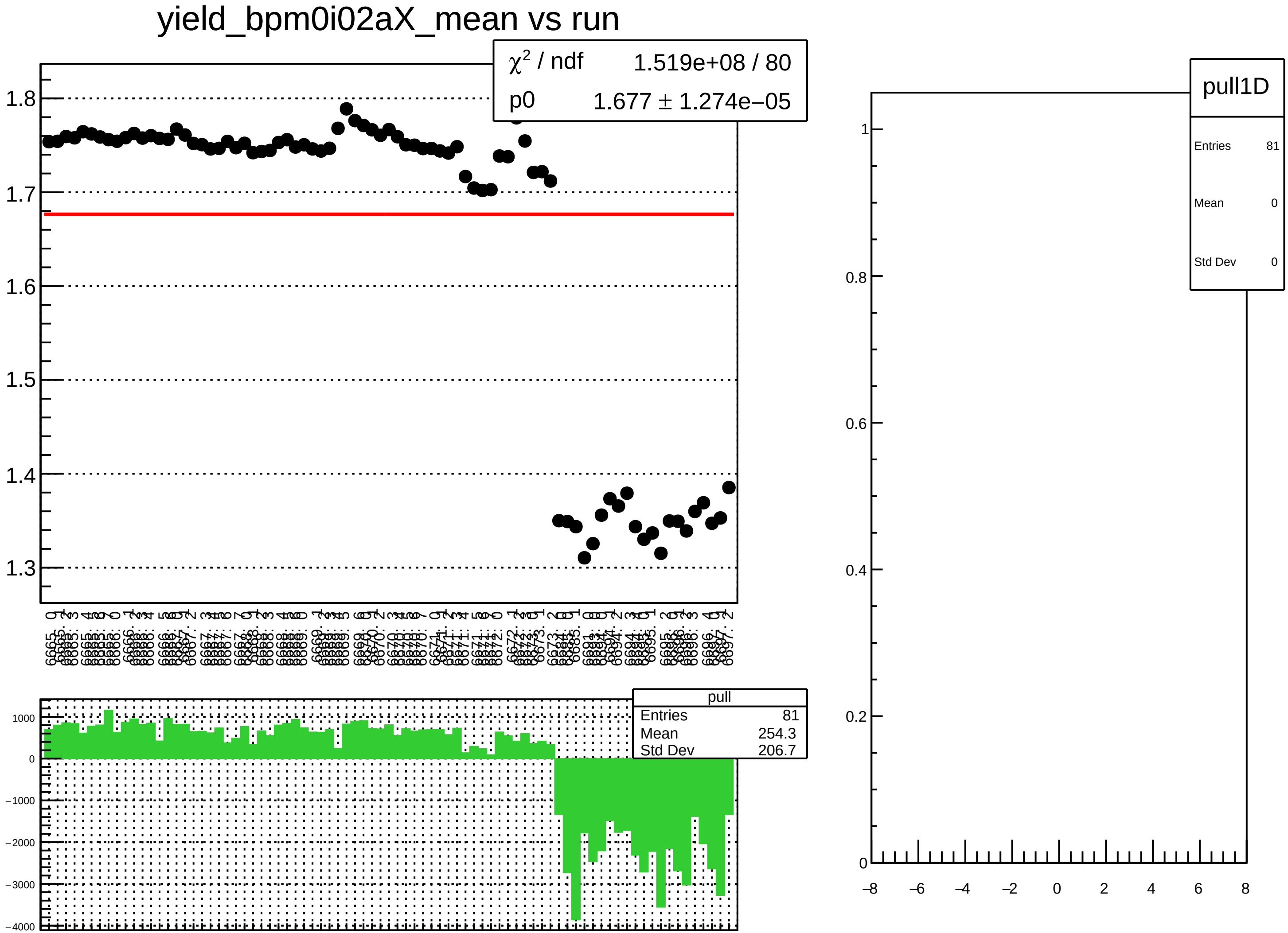
yield_bpm0i02X_mean vs run
χ^2 / ndf 5.83e+07 / 80
p0 −0.3578 ± 6.252e−06
pull
Entries 81
Mean 183
Std Dev 133.8
pull1D
Entries 81
Mean 0
Std Dev 0


yield_bpm0i02X_rms vs run
χ^2 / ndf 2.022e+05 / 80
p0 0.005113 ± 4.421e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

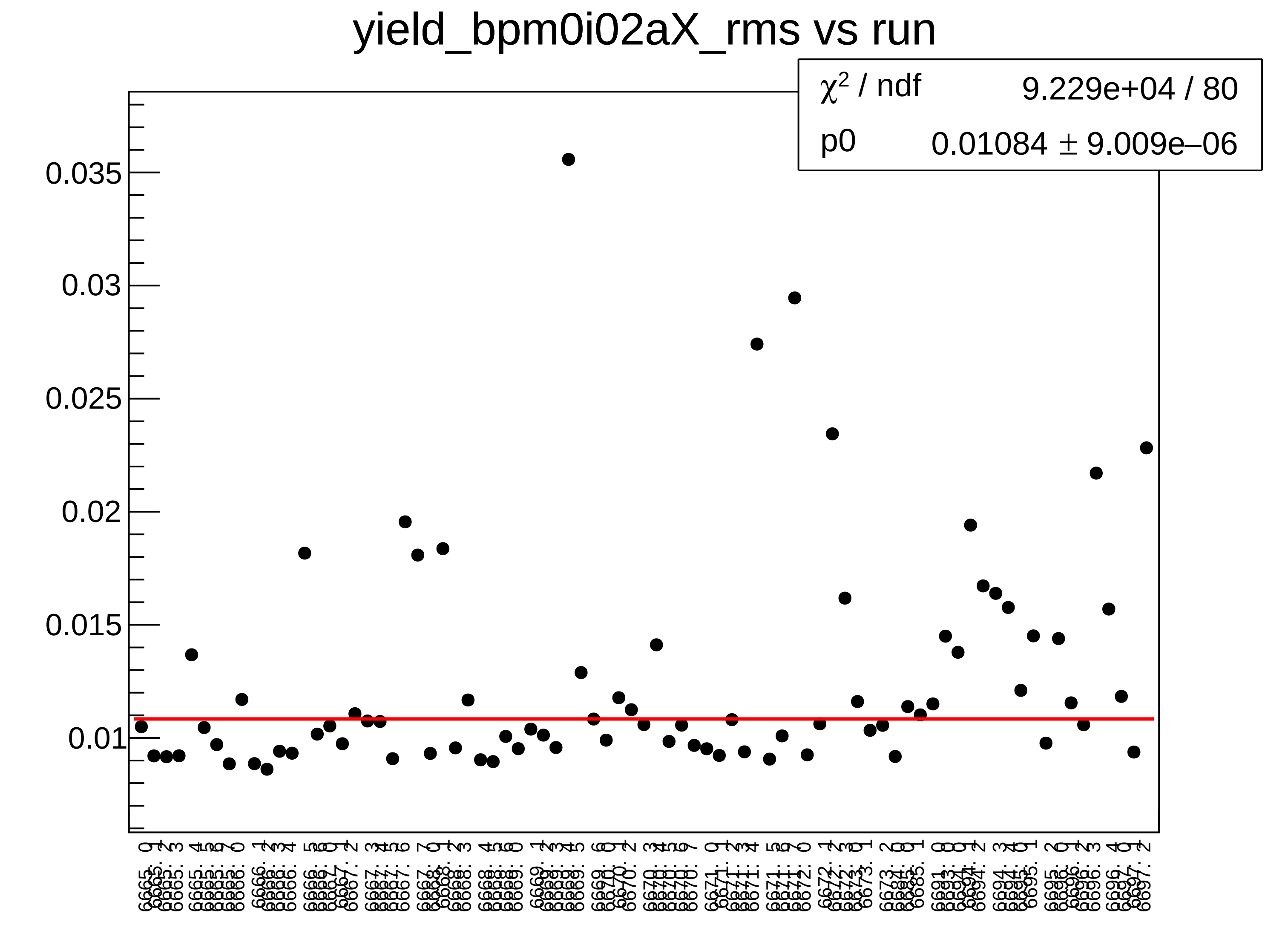

yield_bpm0i02Y_mean vs run
χ^2 / ndf 8.625e+06 / 80
p0 −2.254 ± 1.353e−05
pull
Entries 81
Mean 136
Std Dev 59.5
pull1D
Entries 81
Mean 7.05
Std Dev 0

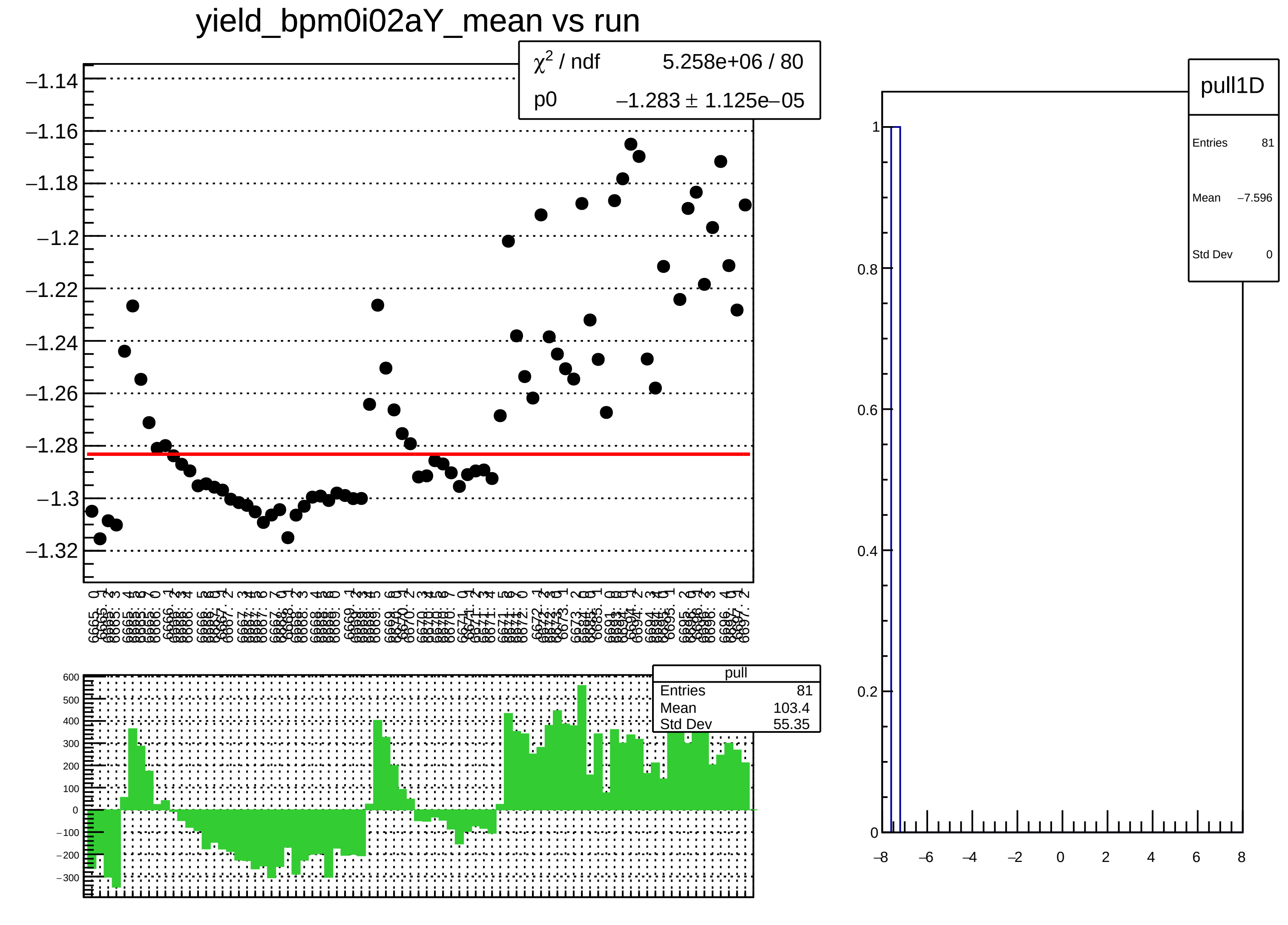


yield_bpm0i02Y_rms vs run
χ2 / ndf 2.445e+05 / 80
p0 0.01089 ± 9.569e−06
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

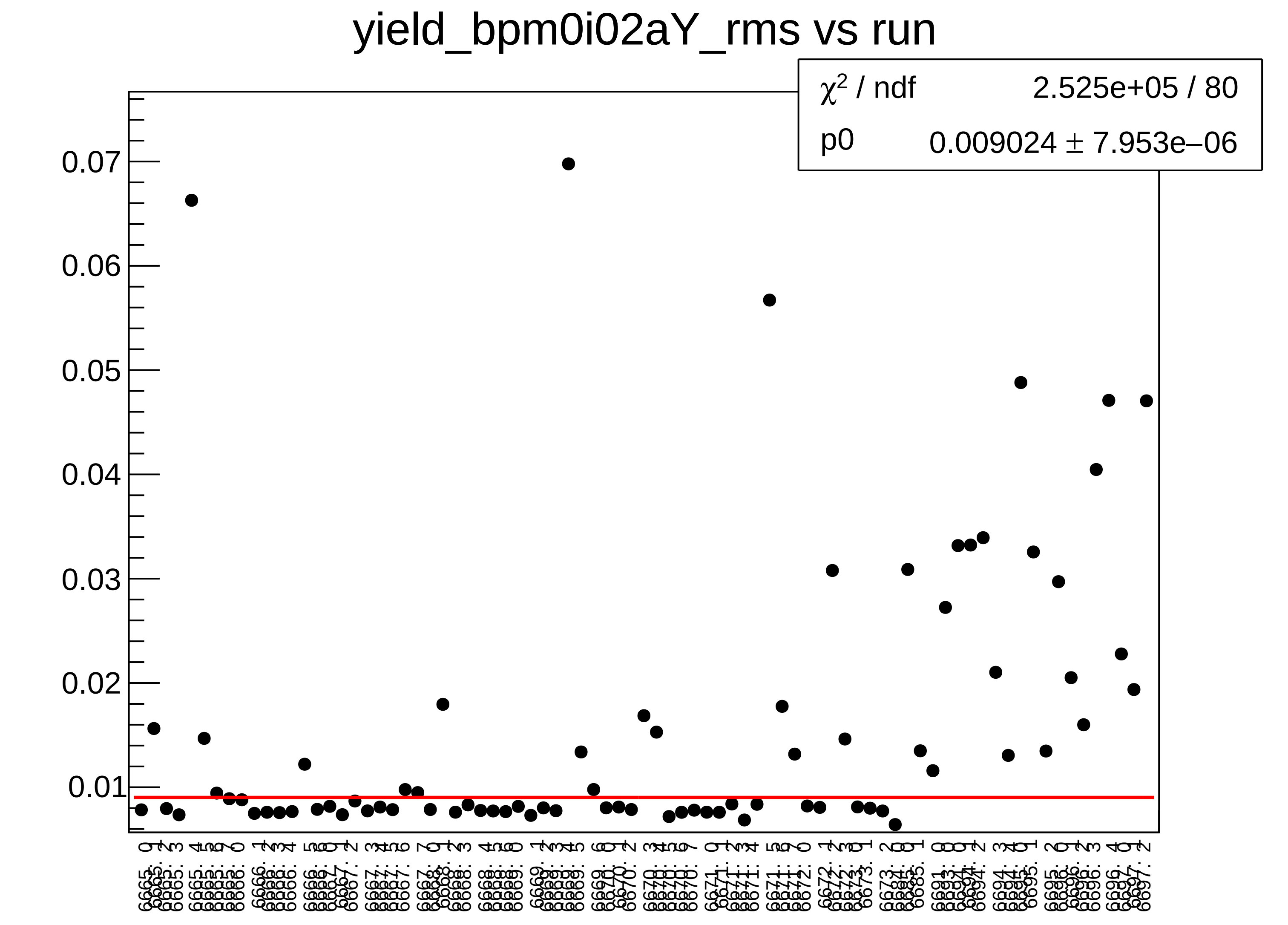


yield_bpm0i02aX_mean vs run
χ2 / ndf 1.519e+08 / 80
p0 1.677 ± 1.274e−05
pull
Entries 81
Mean 254.3
Std Dev 206.7
pull1D
Entries 81
Mean 0
Std Dev 0

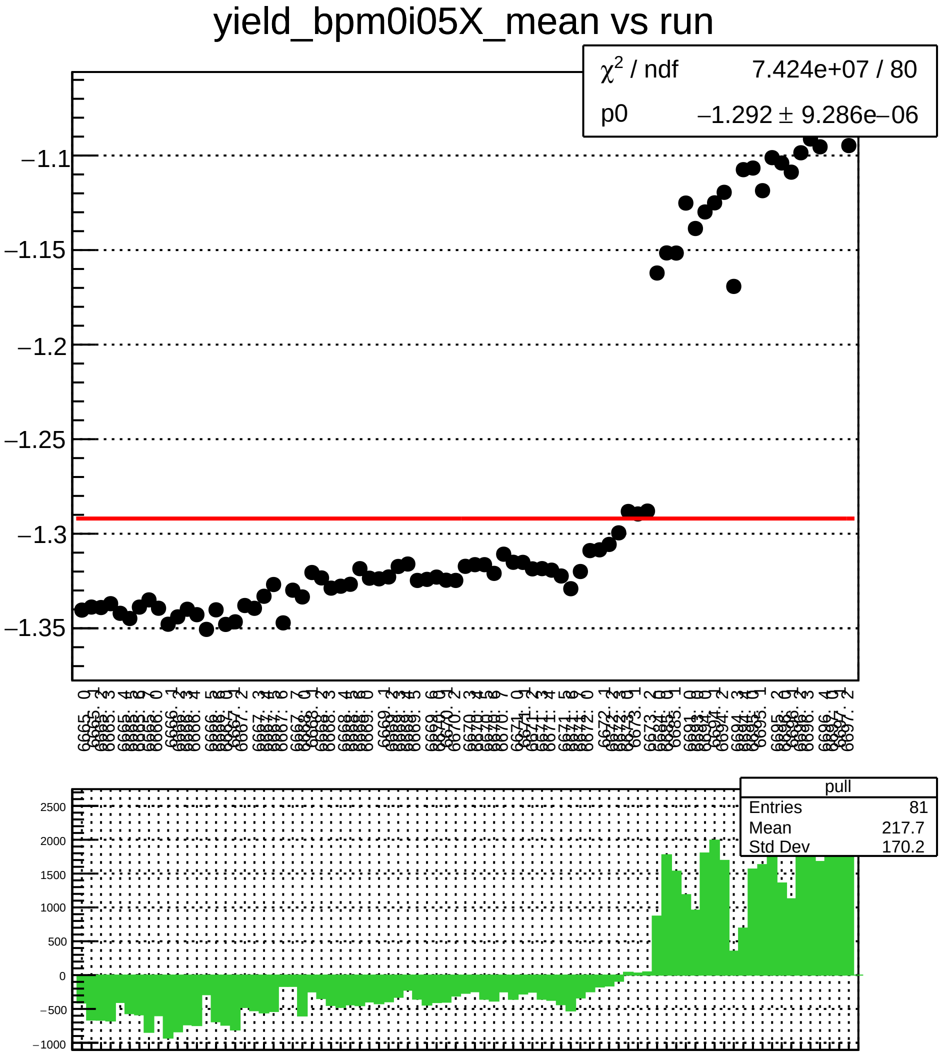

yield_bpm0i02aX_rms vs run
χ² / ndf 9.229e+04 / 80
p0 0.01084 ± 9.009e−06
0.035
0.03
0.025
0.02
0.015
0.01



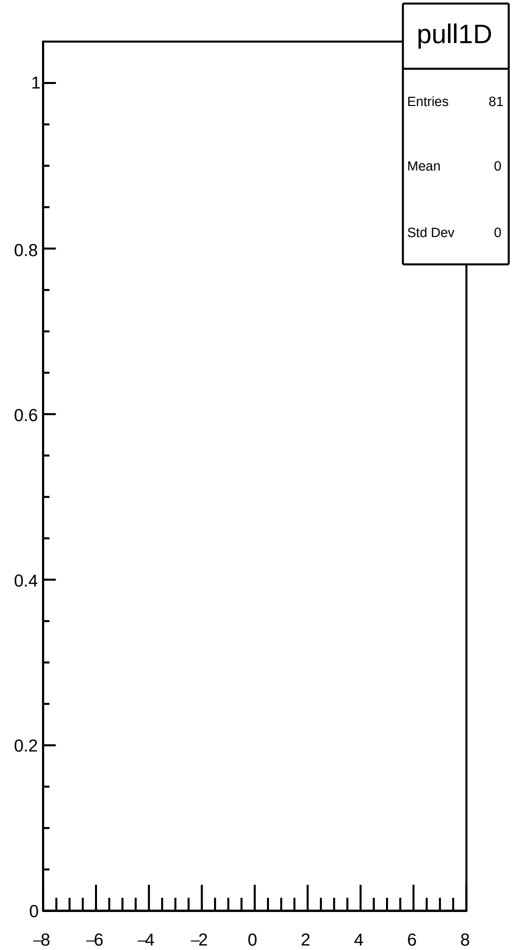
yield_bpm0i02aY_mean vs run
χ2 / ndf 5.258e+06 / 80
p0 −1.283 ± 1.125e−05
pull
Entries 81
Mean 103.4
Std Dev 55.35
pull1D
Entries 81
Mean −7.596
Std Dev 0



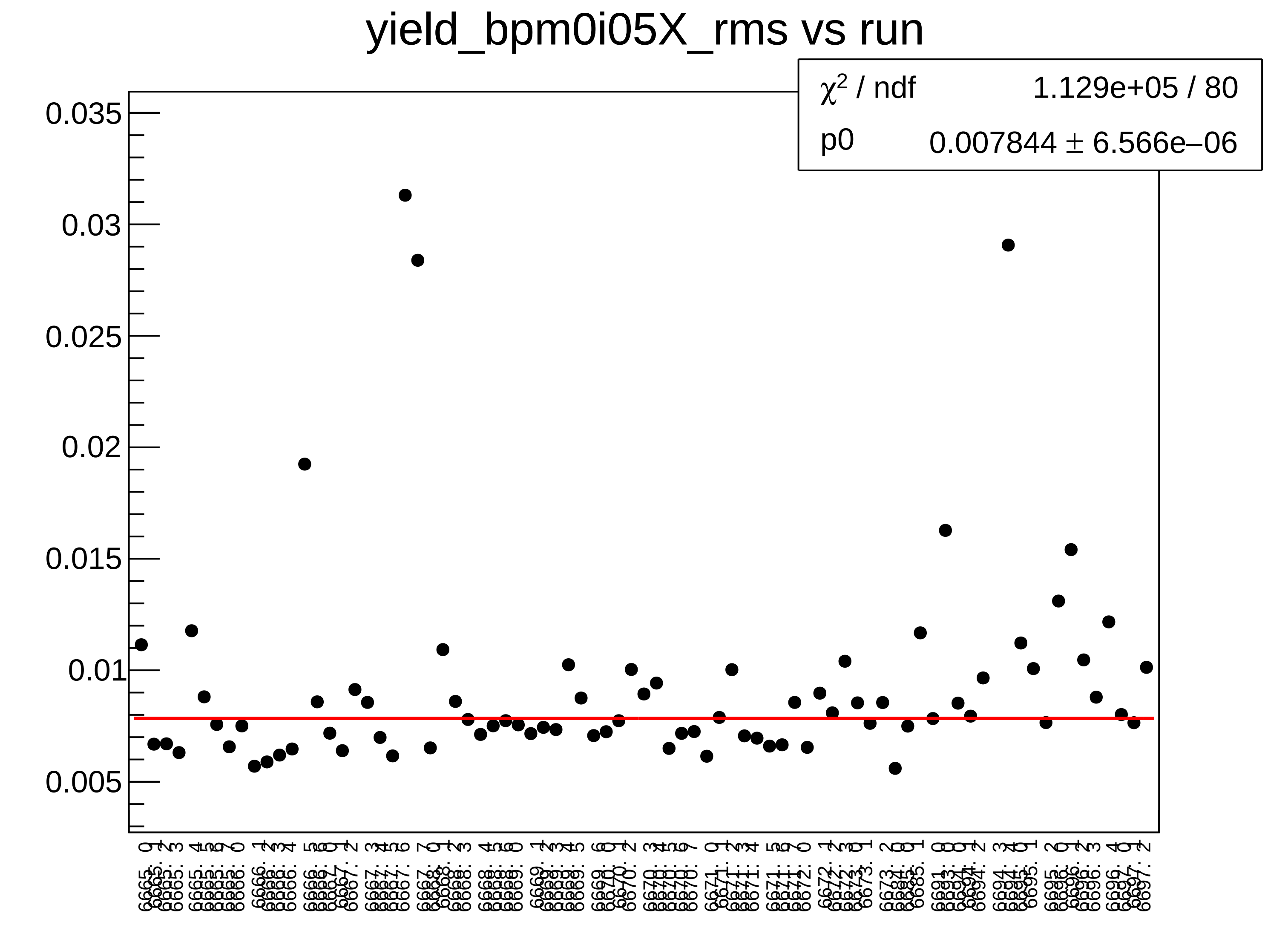
yield_bpm0i02aY_rms vs run
χ^2 / ndf 2.525e+05 / 80
p0 0.009024 ± 7.953e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

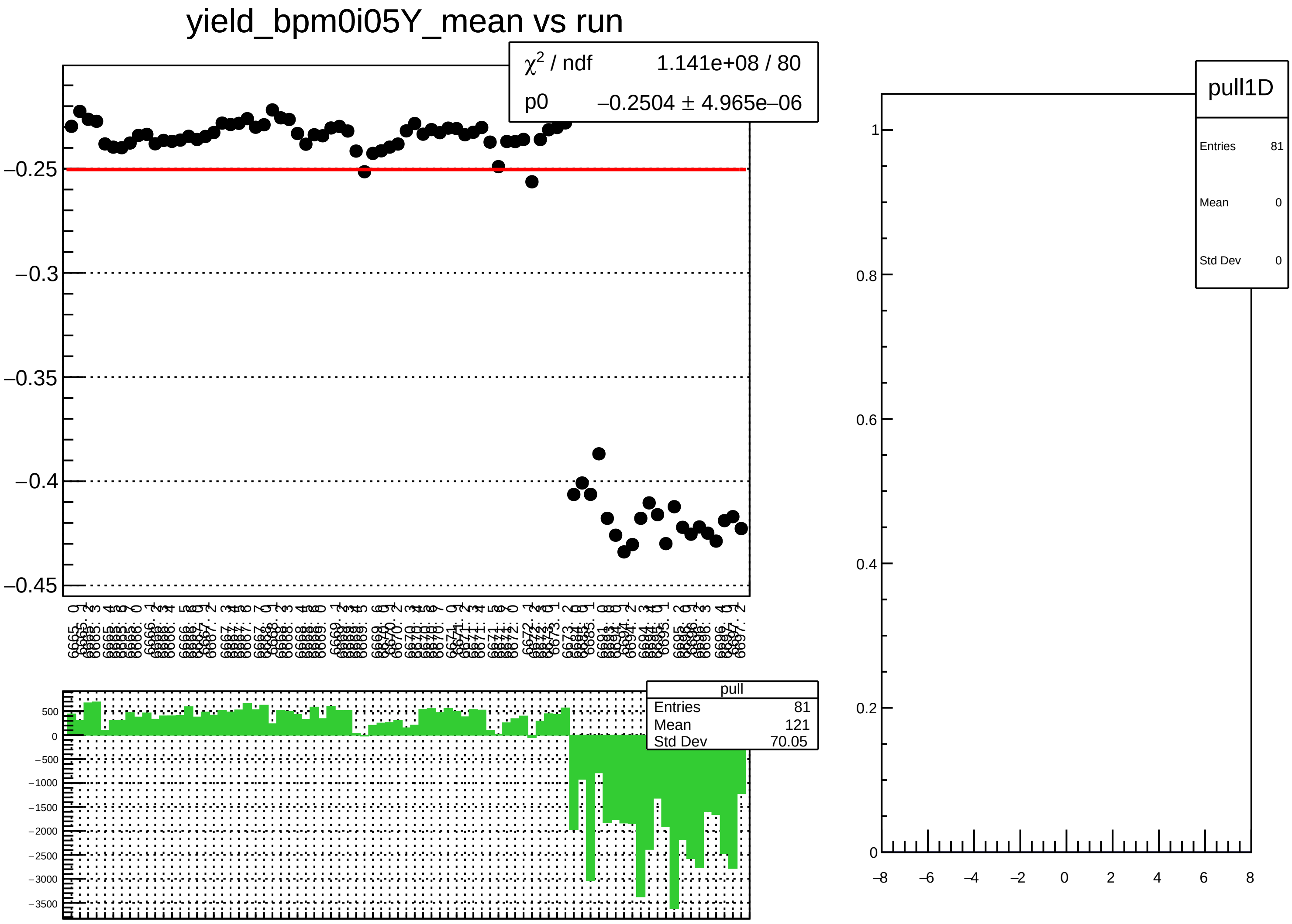


yield_bpm0i05X_mean vs run
χ^2 / ndf 7.424e+07 / 80
p0 −1.292 ± 9.286e−06
pull
Entries 81
Mean 217.7
Std Dev 170.2

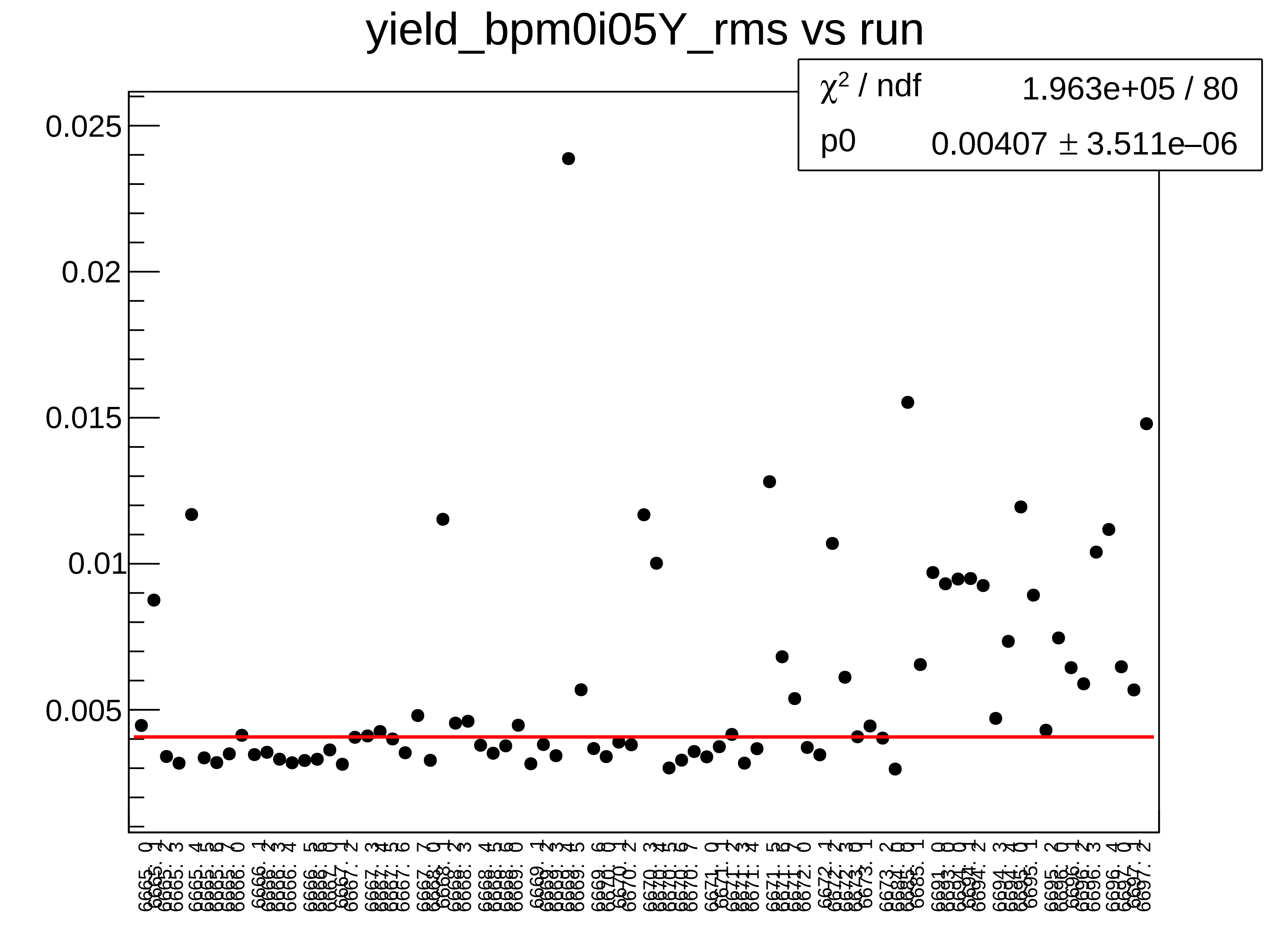


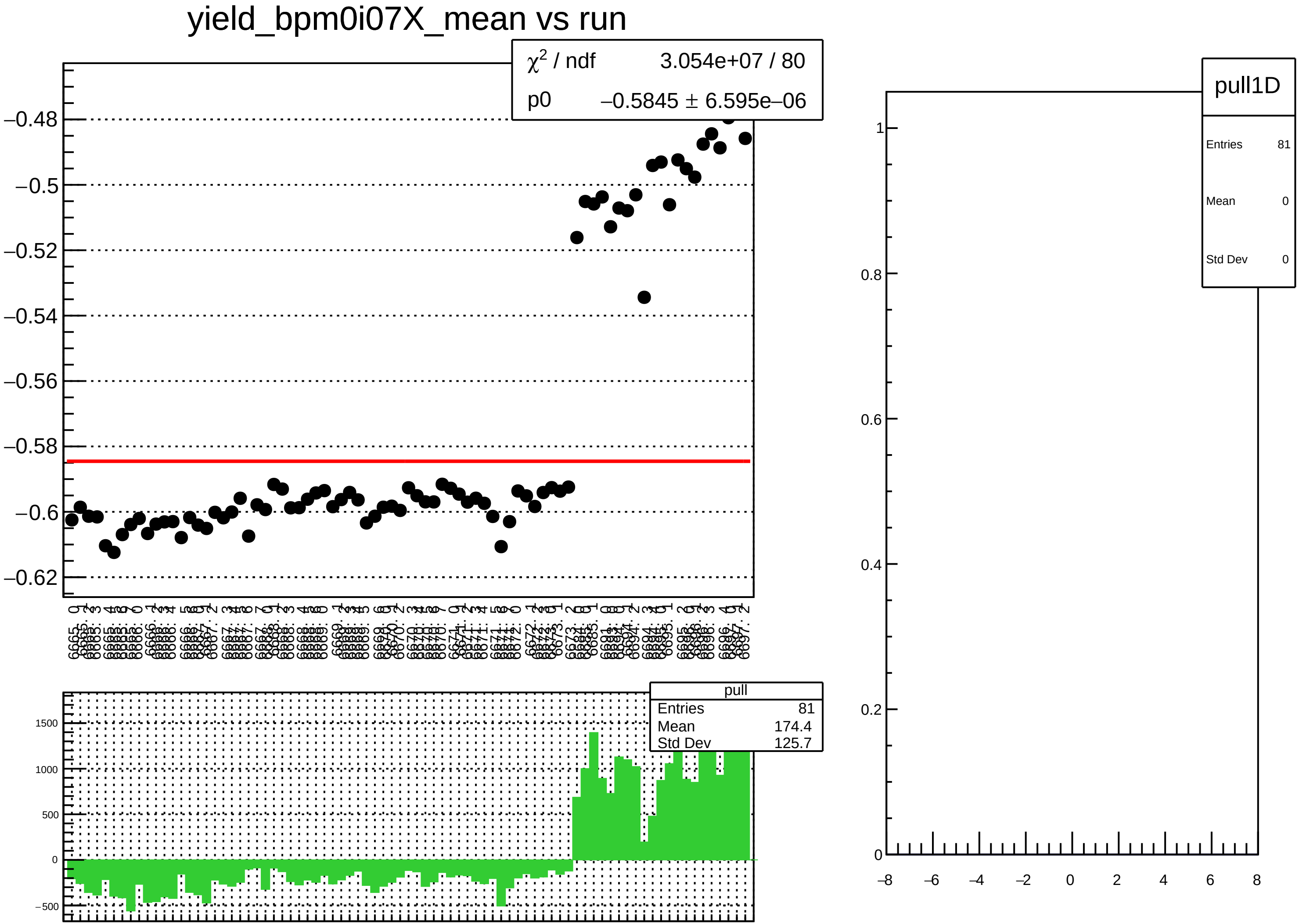
pull1D
Entries 81
Mean 0
Std Dev 0


yield_bpm0i05X_rms vs run
χ^2 / ndf 1.129e+05 / 80
p0 0.007844 ± 6.566e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

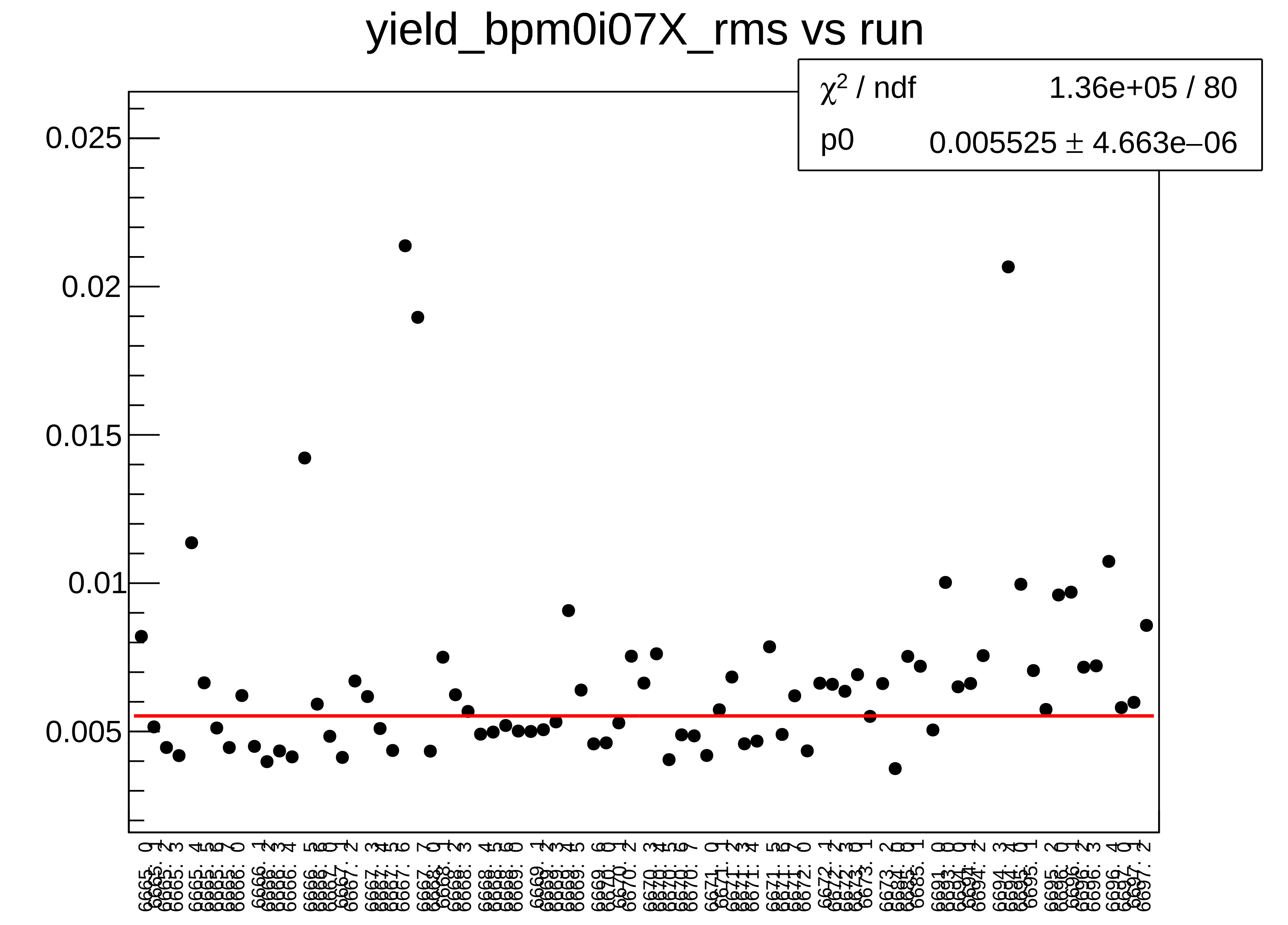


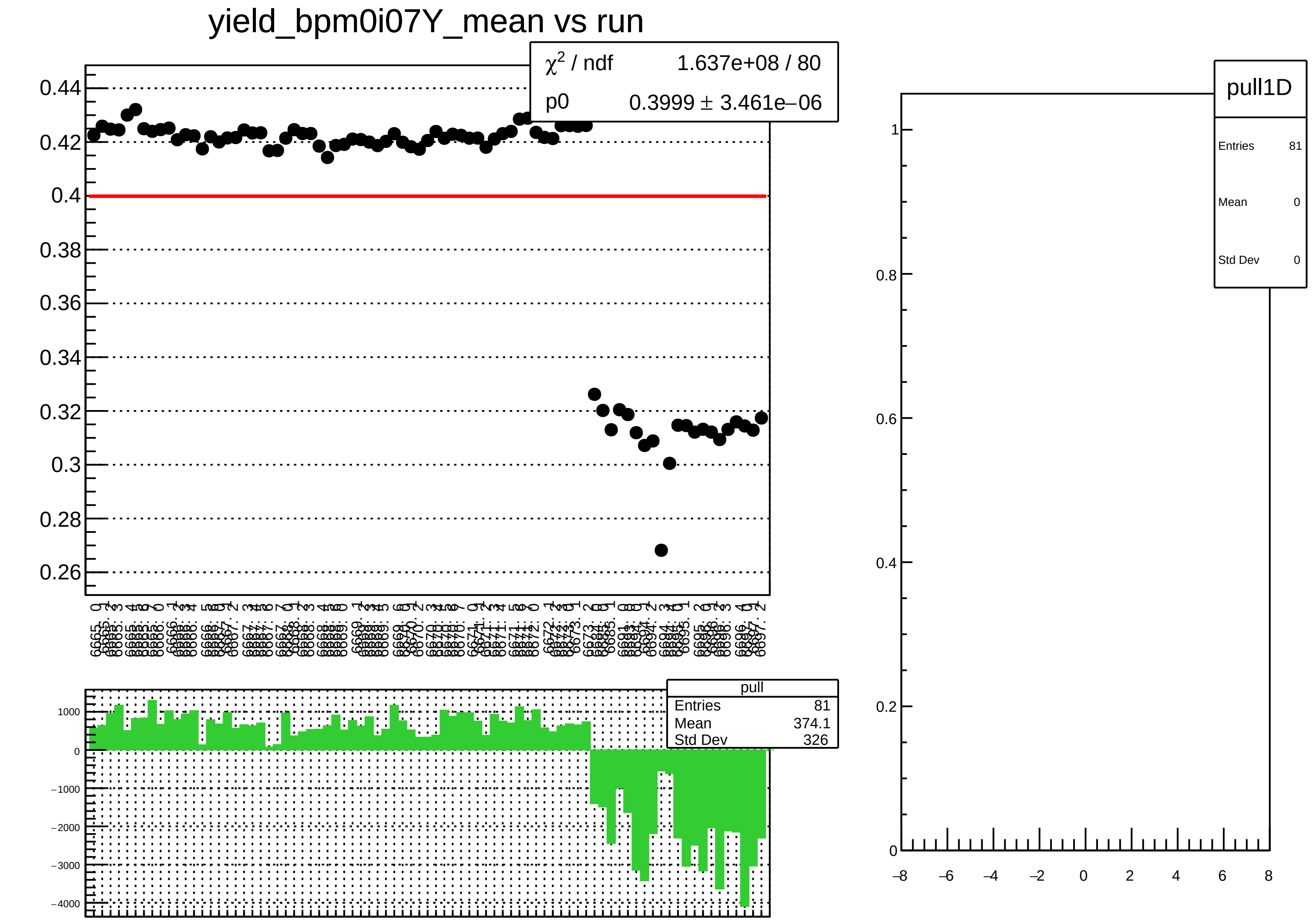
yield_bpm0i05Y_mean vs run
χ^2 / ndf 1.141e+08 / 80
p0 −0.2504 ± 4.965e−06
−0.25
−0.3
−0.35
−0.4
−0.45
pull
Entries 81
Mean 121
Std Dev 70.05
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0i05Y_rms vs run
χ^2 / ndf 1.963e+05 / 80
p0 0.00407 ± 3.511e−06
0.025
0.02
0.015
0.01
0.005

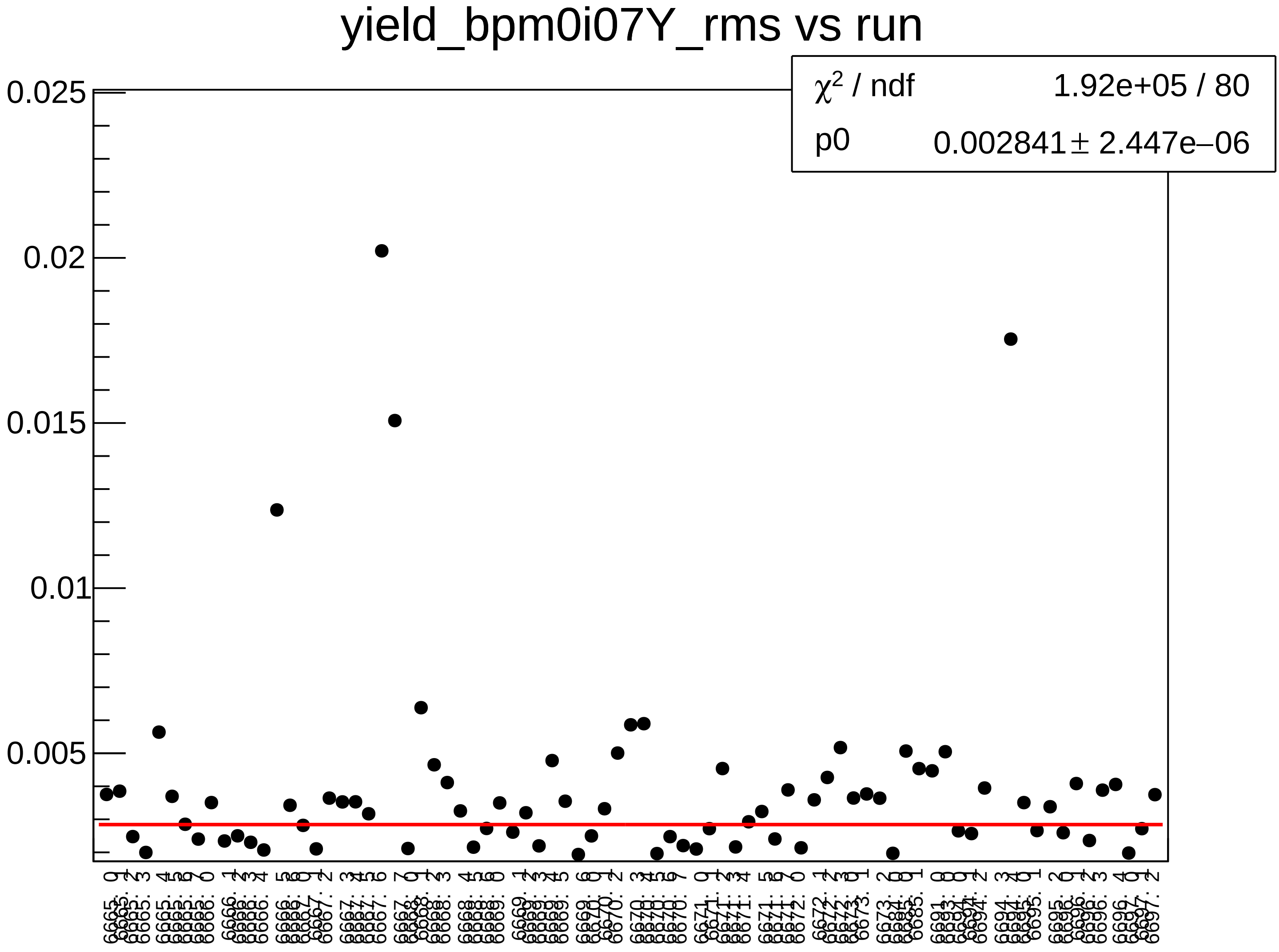


yield_bpm0i07X_mean vs run
χ2 / ndf 3.054e+07 / 80
p0 −0.5845 ± 6.595e−06
−0.48
−0.5
−0.52
−0.54
−0.56
−0.58
−0.6
−0.62
pull
Entries 81
Mean 174.4
Std Dev 125.7
1500
1000
500
0
−500
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

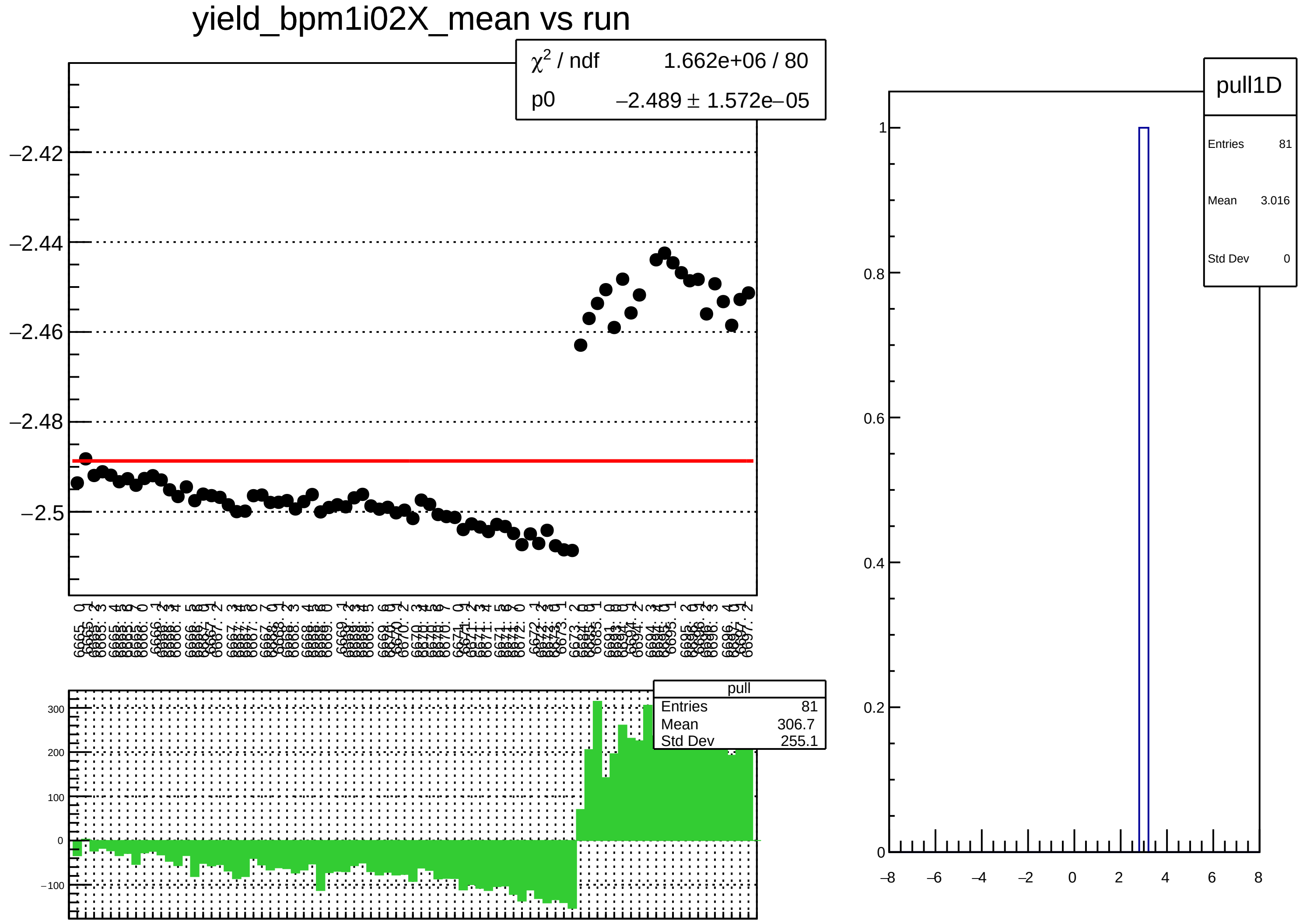

yield_bpm0i07X_rms vs run
χ^2 / ndf 1.36e+05 / 80
p0 0.005525 ± 4.663e−06
0.025
0.02
0.015
0.01
0.005



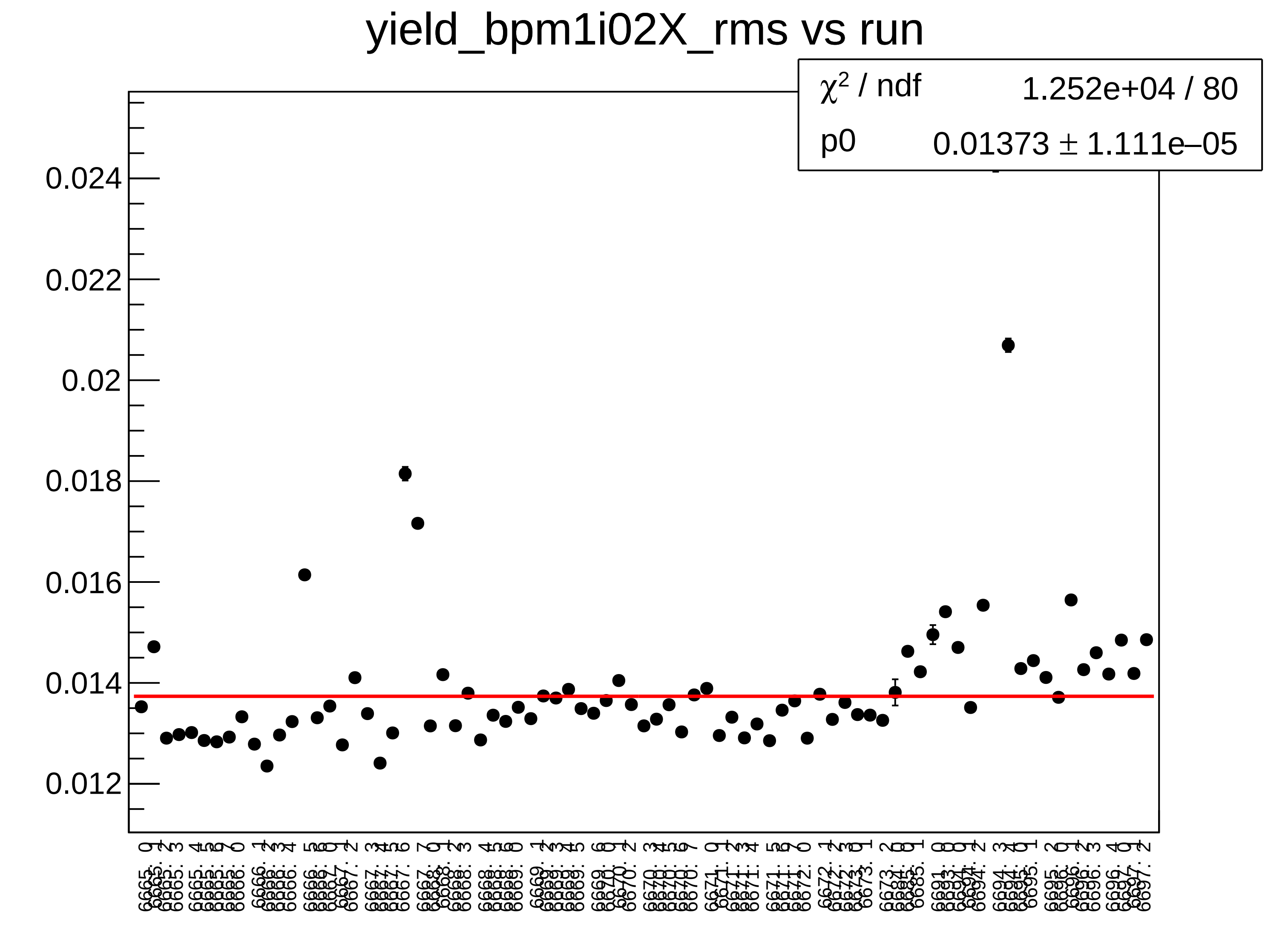
yield_bpm0i07Y_mean vs run
χ^2 / ndf 1.637e+08 / 80
p0 0.3999 ± 3.461e−06
pull
Entries 81
Mean 374.1
Std Dev 326
pull1D
Entries 81
Mean 0
Std Dev 0



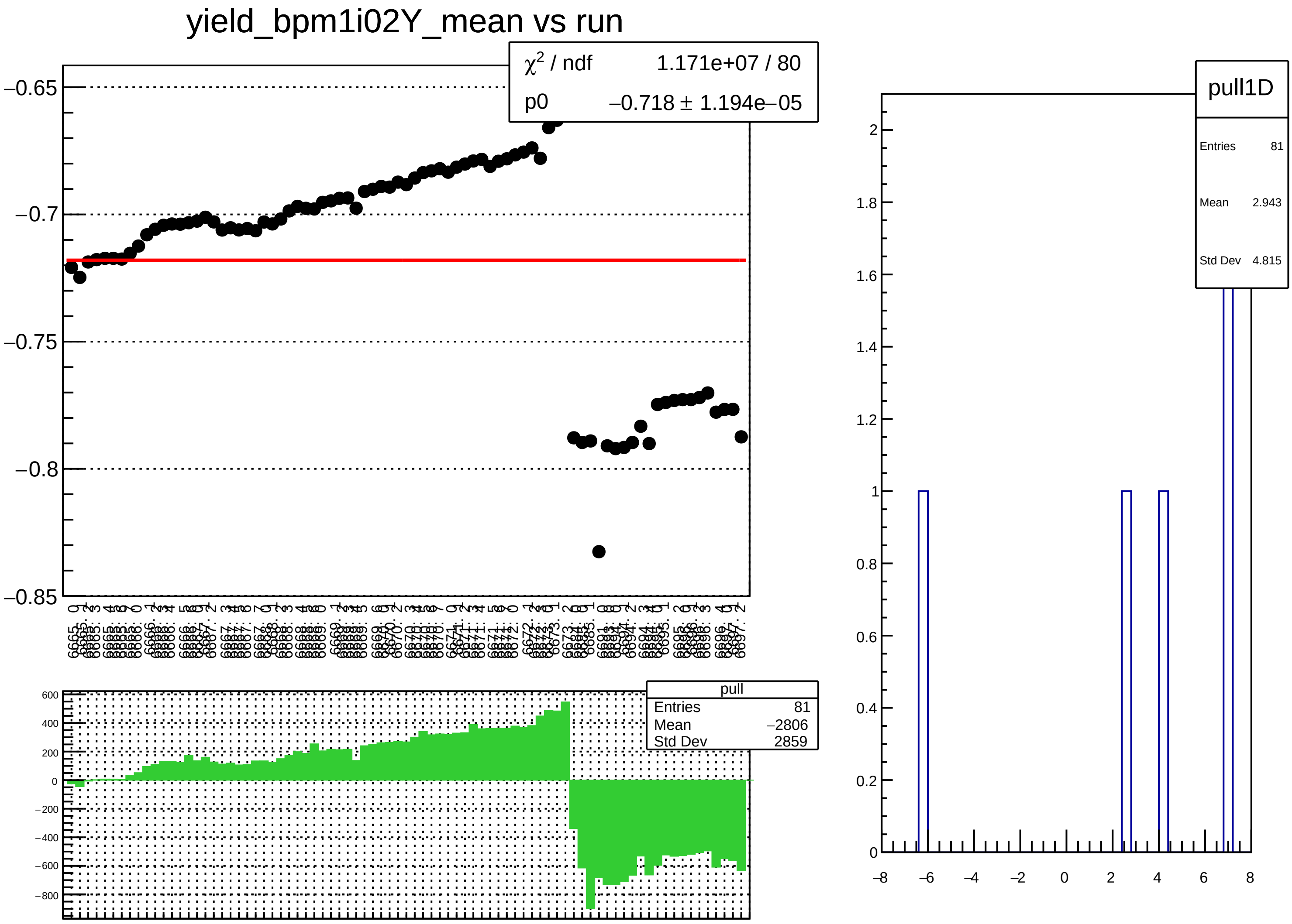
yield_bpm0i07Y_rms vs run
χ^2 / ndf 1.92e+05 / 80
p0 0.002841 ± 2.447e−06
0.025
0.02
0.015
0.01
0.005



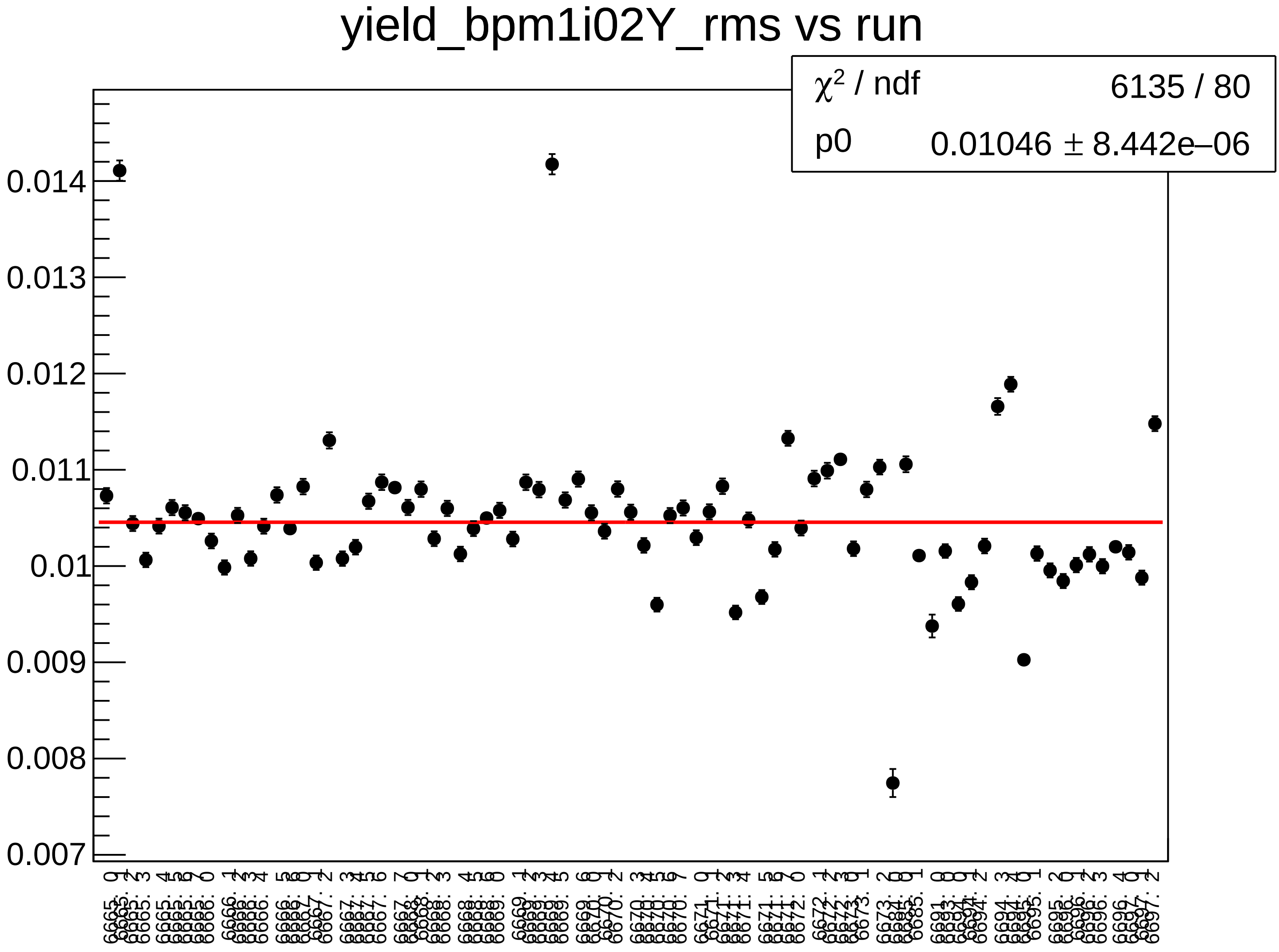
yield_bpm1i02X_mean vs run
χ^2 / ndf 1.662e+06 / 80
p0 −2.489 ± 1.572e−05
pull
Entries 81
Mean 306.7
Std Dev 255.1
pull1D
Entries 81
Mean 3.016
Std Dev 0



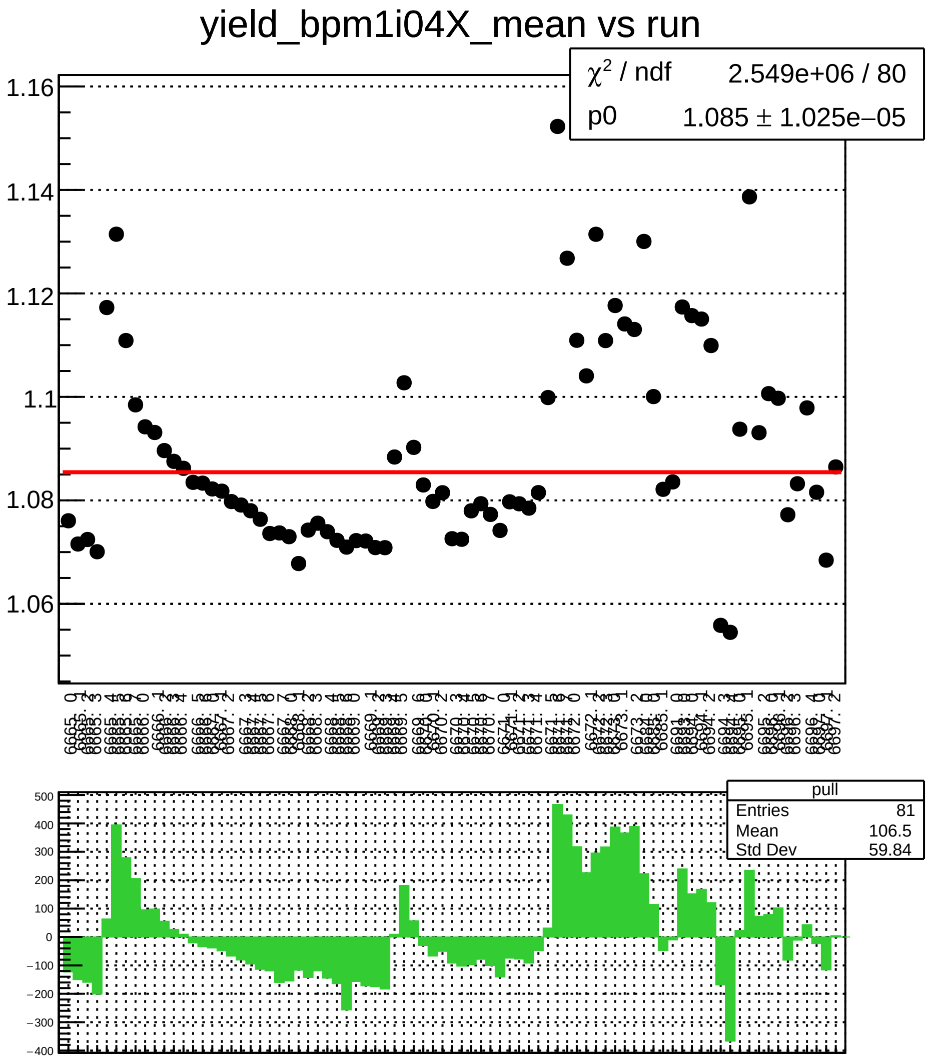
yield_bpm1i02X_rms vs run
χ^2 / ndf 1.252e+04 / 80
p0 0.01373 ± 1.111e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012



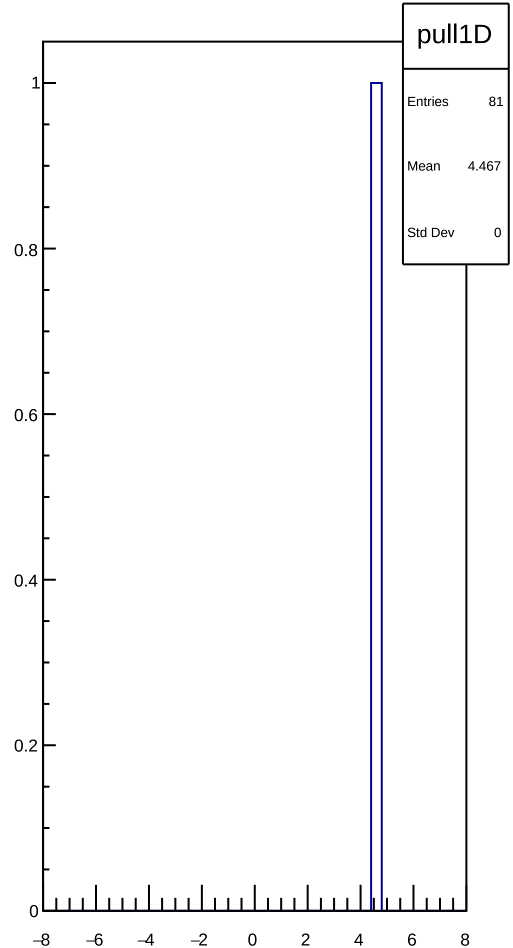
yield_bpm1i02Y_mean vs run
χ^2 / ndf 1.171e+07 / 80
p0 −0.718 ± 1.194e−05
pull
Entries 81
Mean −2806
Std Dev 2859
pull1D
Entries 81
Mean 2.943
Std Dev 4.815



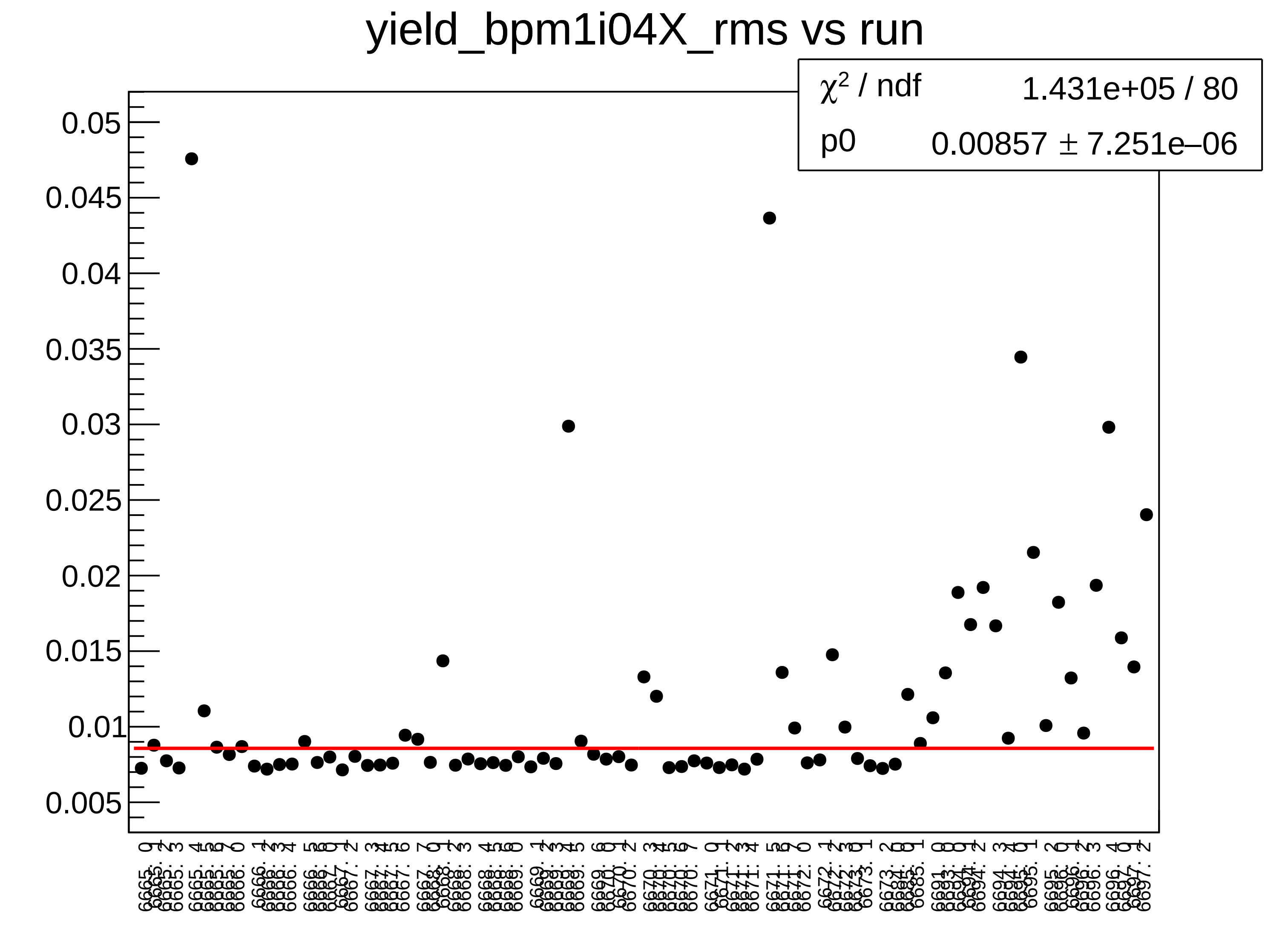
yield_bpm1i02Y_rms vs run
χ2 / ndf 6135 / 80
p0 0.01046 ± 8.442e−06
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007

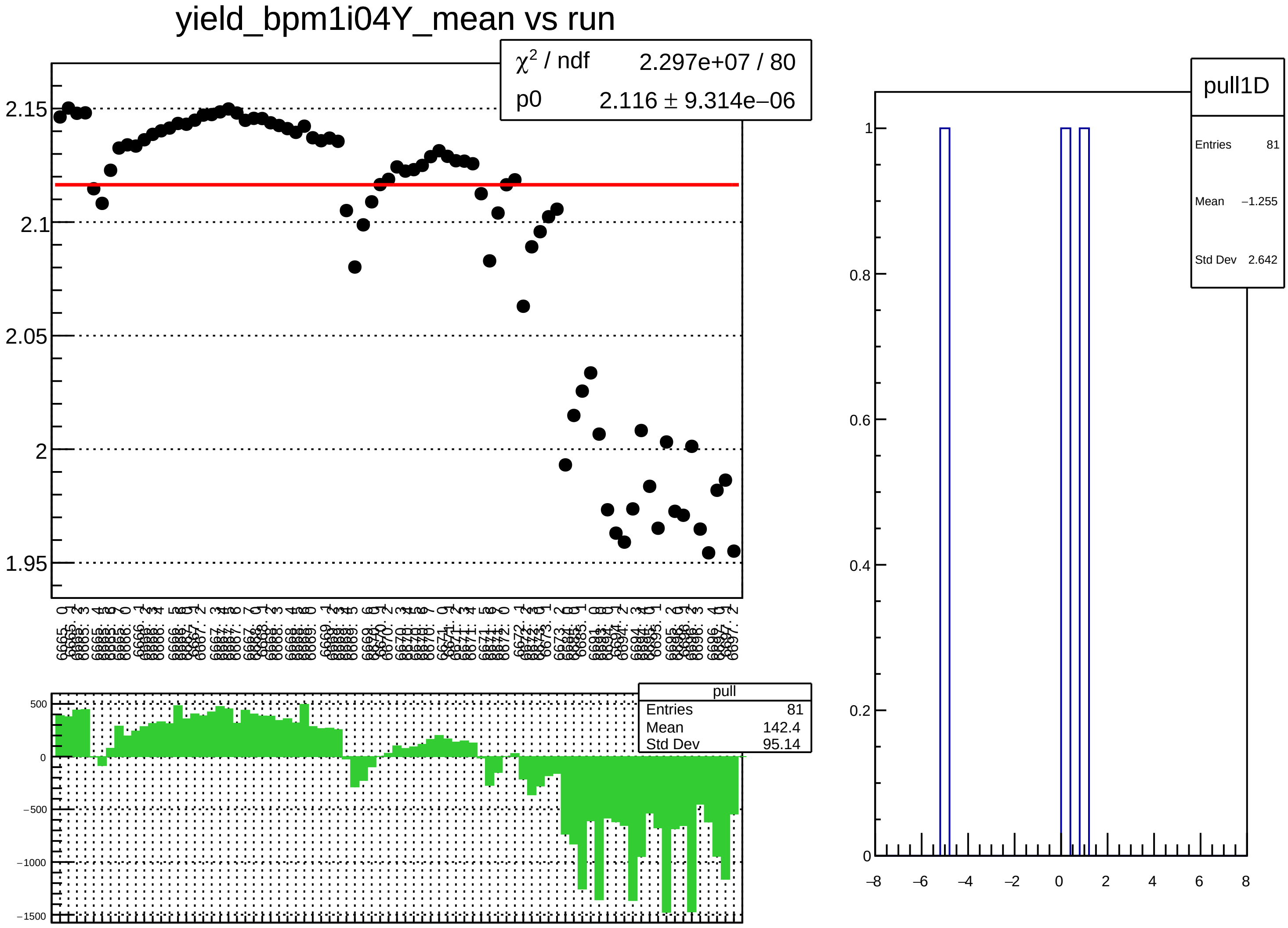


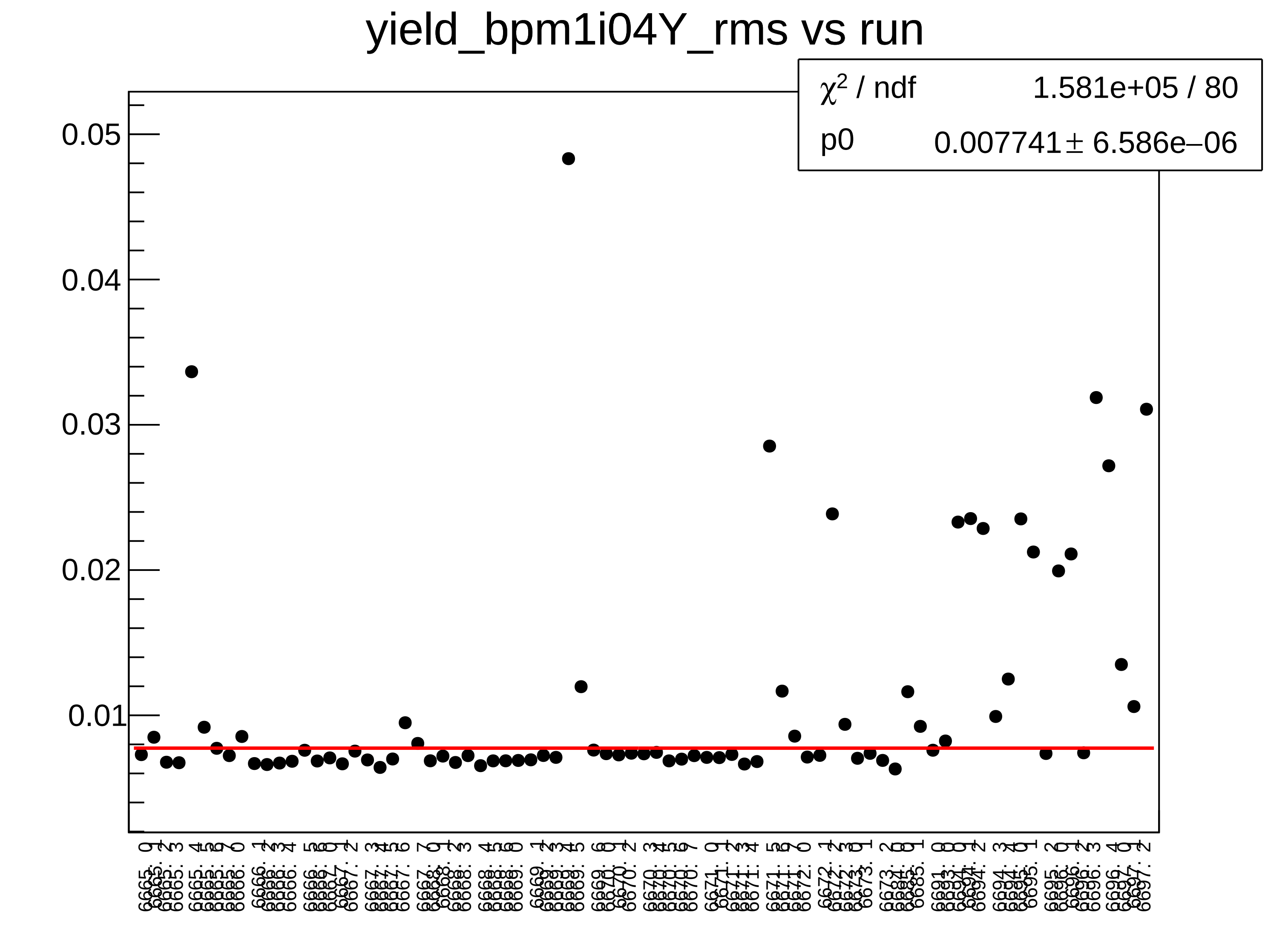
yield_bpm1i04X_mean vs run
χ^2 / ndf 2.549e+06 / 80
p0 1.085 ± 1.025e−05
pull
Entries 81
Mean 106.5
Std Dev 59.84

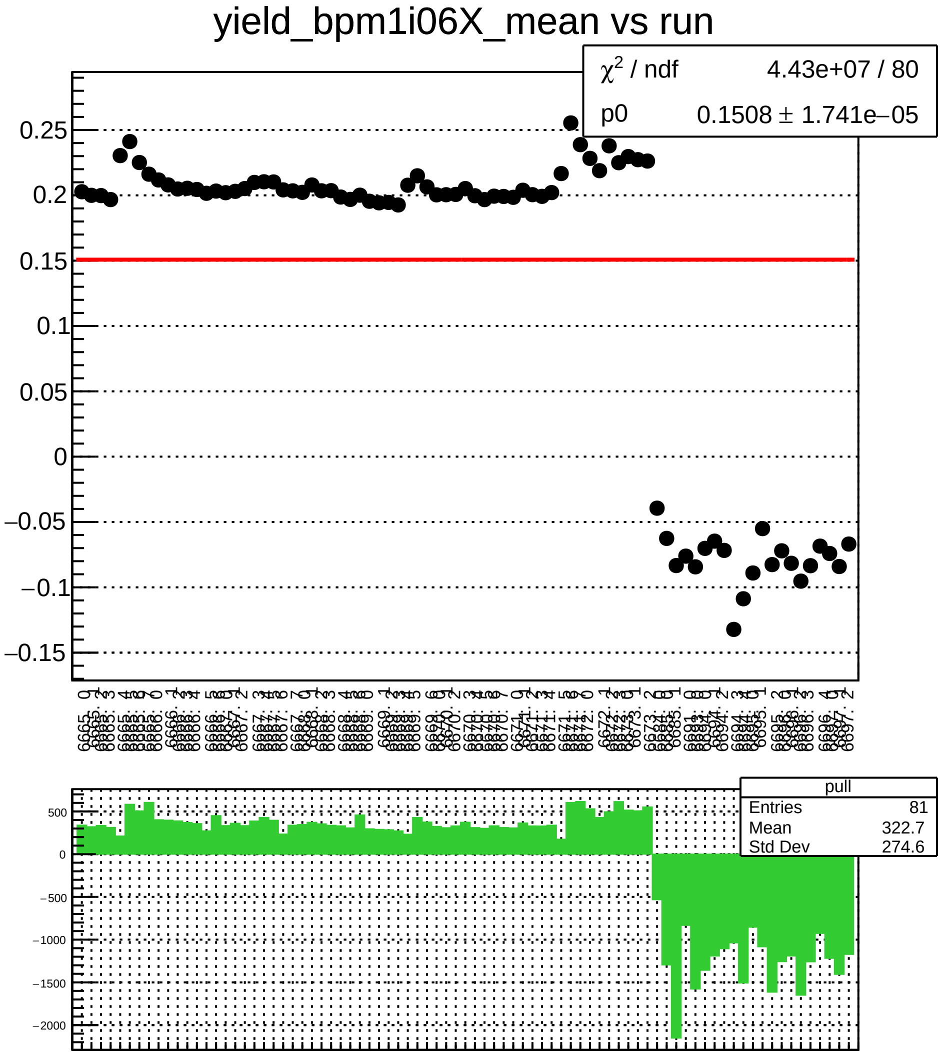


pull1D
Entries 81
Mean 4.467
Std Dev 0

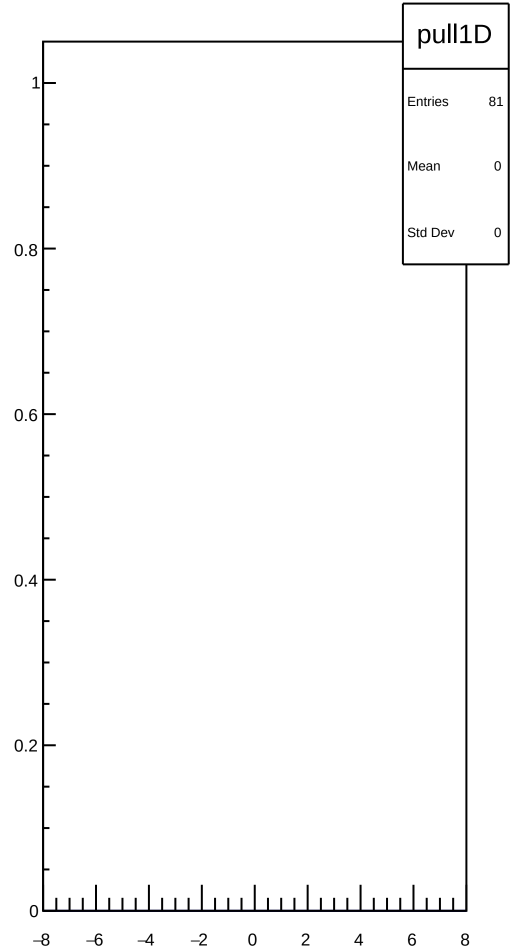

yield_bpm1i04X_rms vs run
χ2 / ndf 1.431e+05 / 80
p0 0.00857 ± 7.251e−06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005


yield_bpm1i04Y_mean vs run
χ^2 / ndf 2.297e+07 / 80
p0 2.116 ± 9.314e−06
2.15
2.1
2.05
2
1.95
pull
Entries 81
Mean 142.4
Std Dev 95.14
500
0
−500
−1000
−1500
pull1D
Entries 81
Mean −1.255
Std Dev 2.642
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

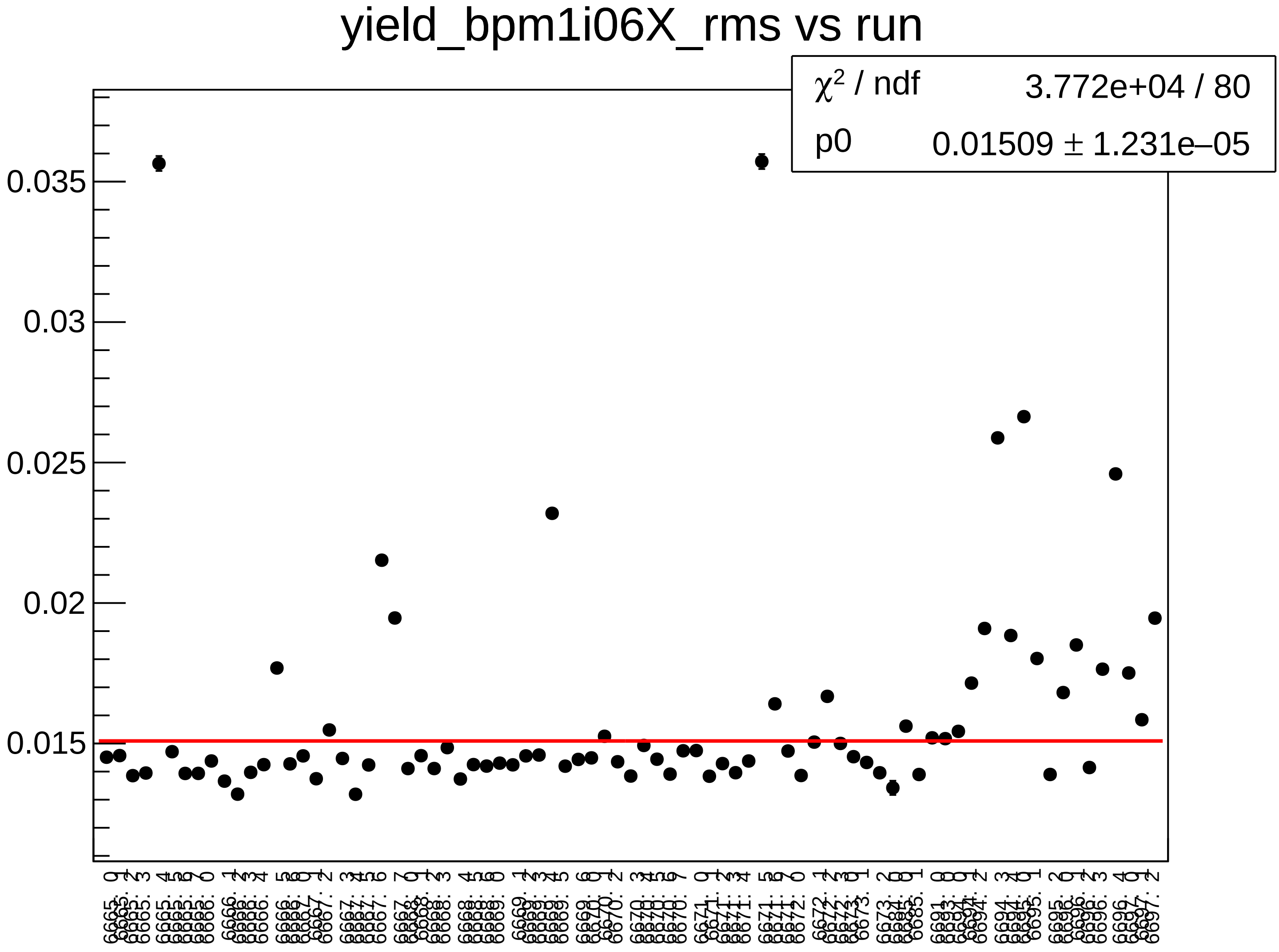

yield_bpm1i04Y_rms vs run
χ² / ndf 1.581e+05 / 80
p0 0.007741 ± 6.586e−06
0.05
0.04
0.03
0.02
0.01

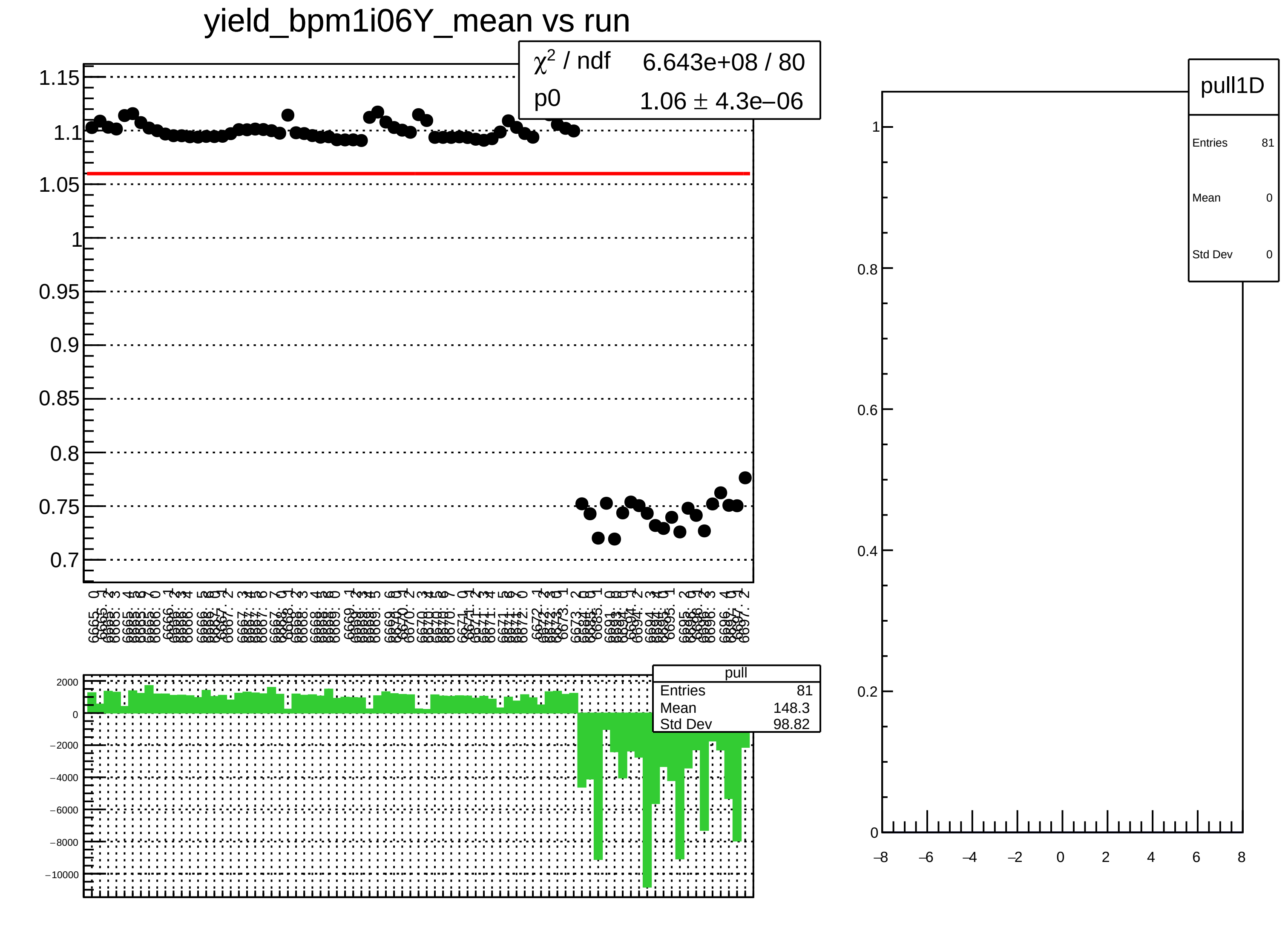


yield_bpm1i06X_mean vs run
χ^2 / ndf 4.43e+07 / 80
p0 0.1508 ± 1.741e−05
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 81
Mean 322.7
Std Dev 274.6
500
0
−500
−1000
−1500
−2000

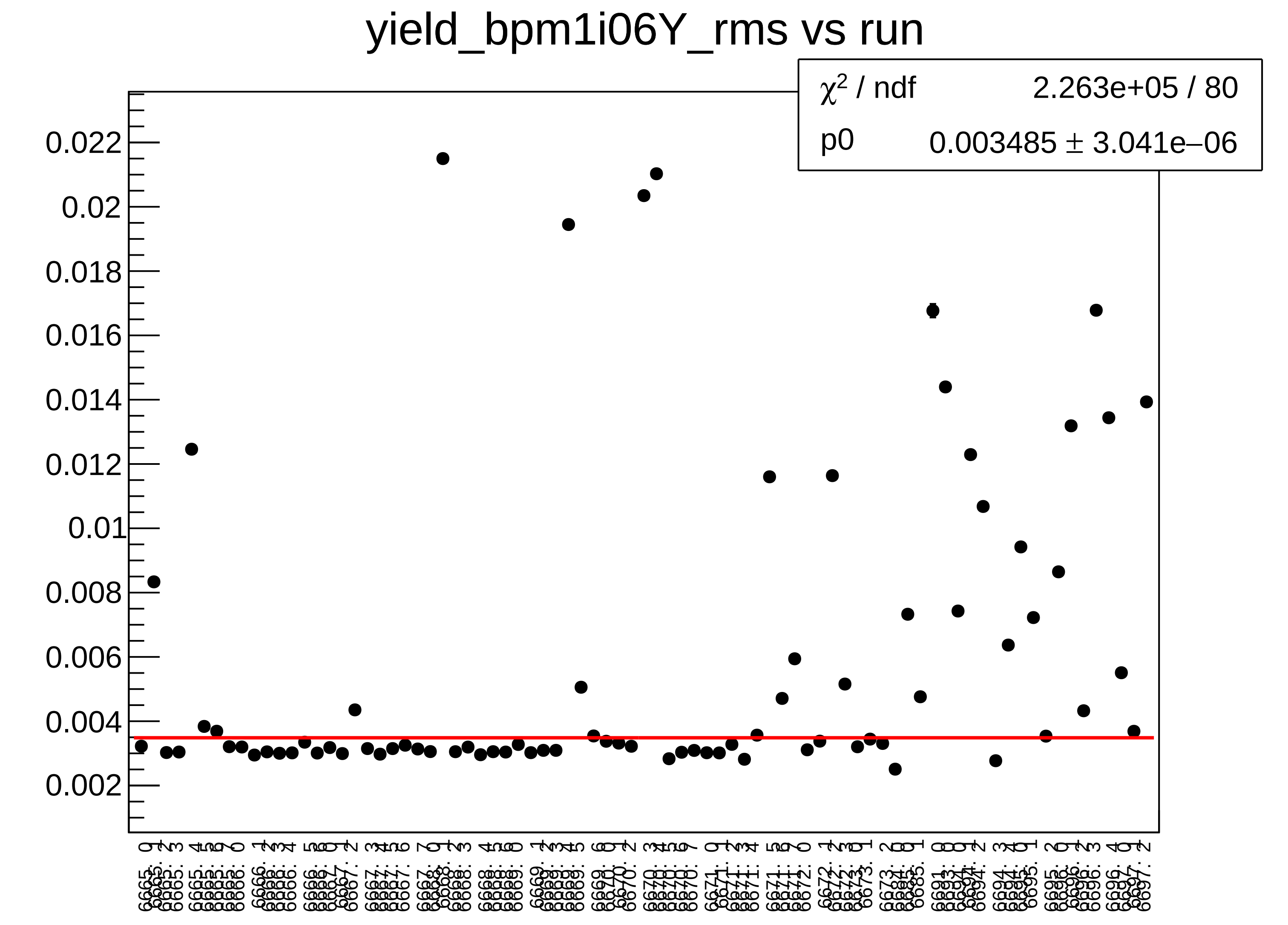


pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm1i06X_rms vs run
χ2 / ndf 3.772e+04 / 80
p0 0.01509 ± 1.231e−05
0.035
0.03
0.025
0.02
0.015

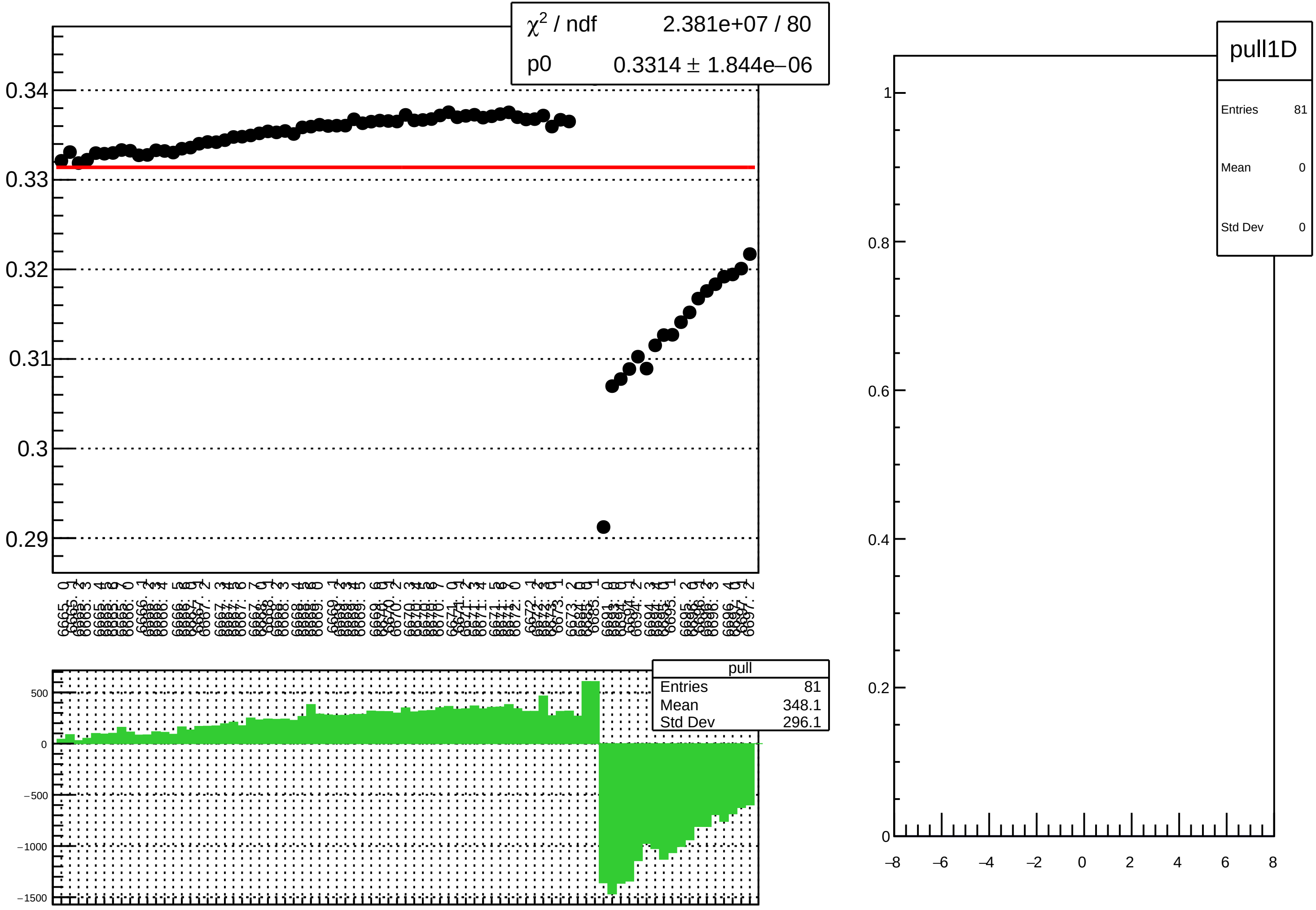


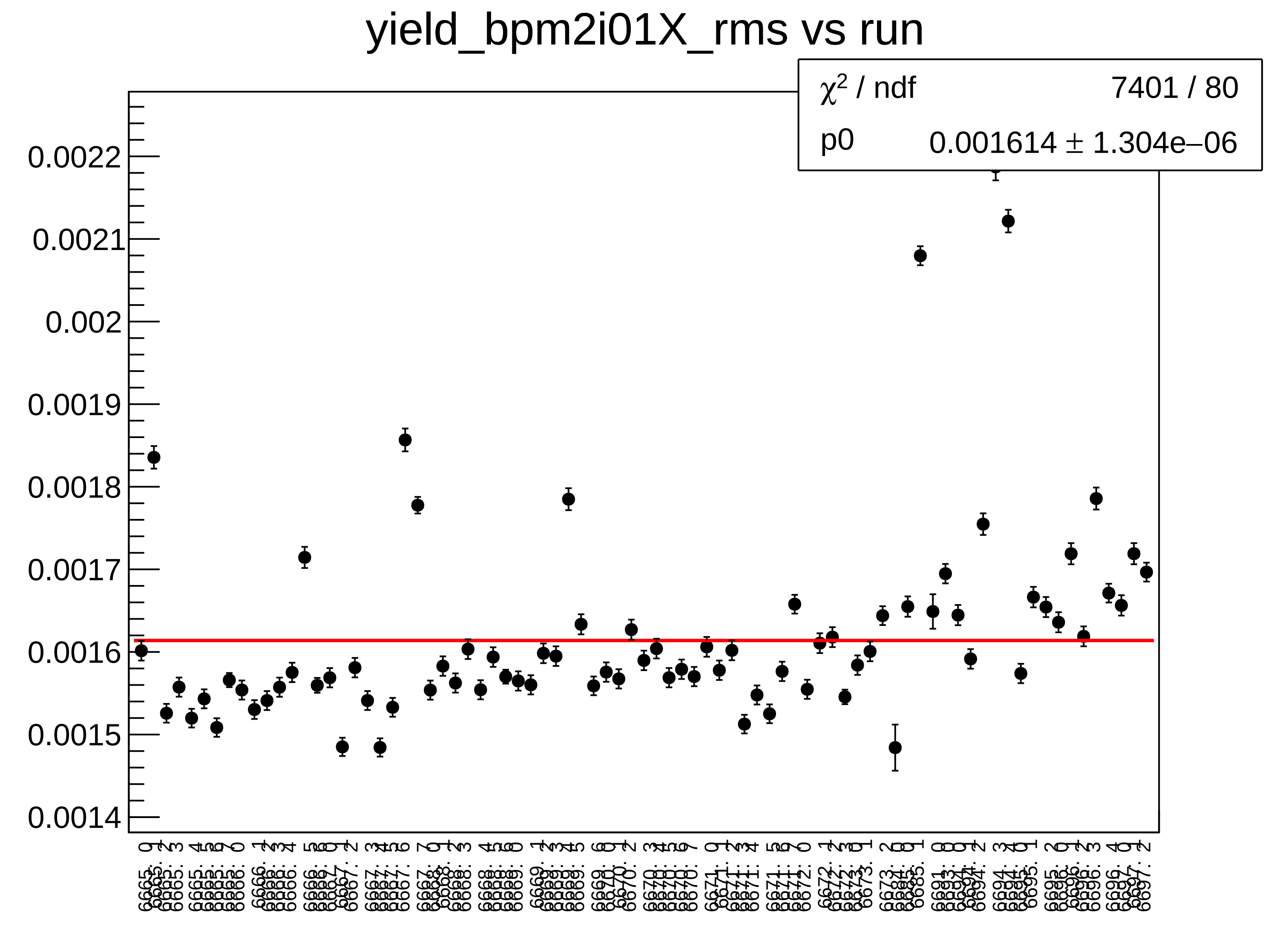
yield_bpm1i06Y_mean vs run
χ^2 / ndf 6.643e+08 / 80
p0 1.06 ± 4.3e−06
pull
Entries 81
Mean 148.3
Std Dev 98.82
pull1D
Entries 81
Mean 0
Std Dev 0



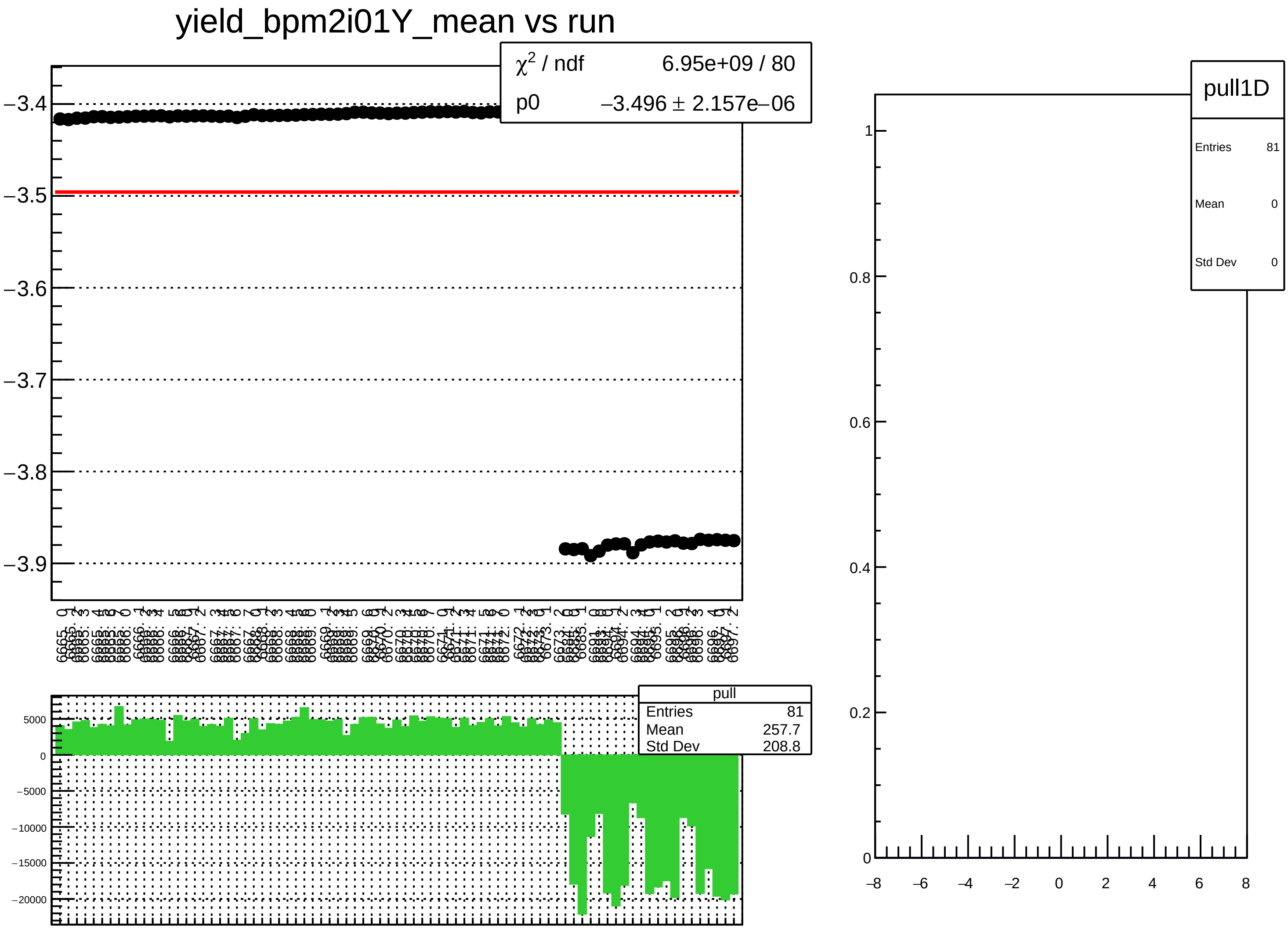
yield_bpm1i06Y_rms vs run
χ^2 / ndf 2.263e+05 / 80
p0 0.003485 ± 3.041e−06
0.002
0.004
0.006
0.008
0.01
0.012
0.014
0.016
0.018
0.02
0.022

yield_bpm2i01X_mean vs run

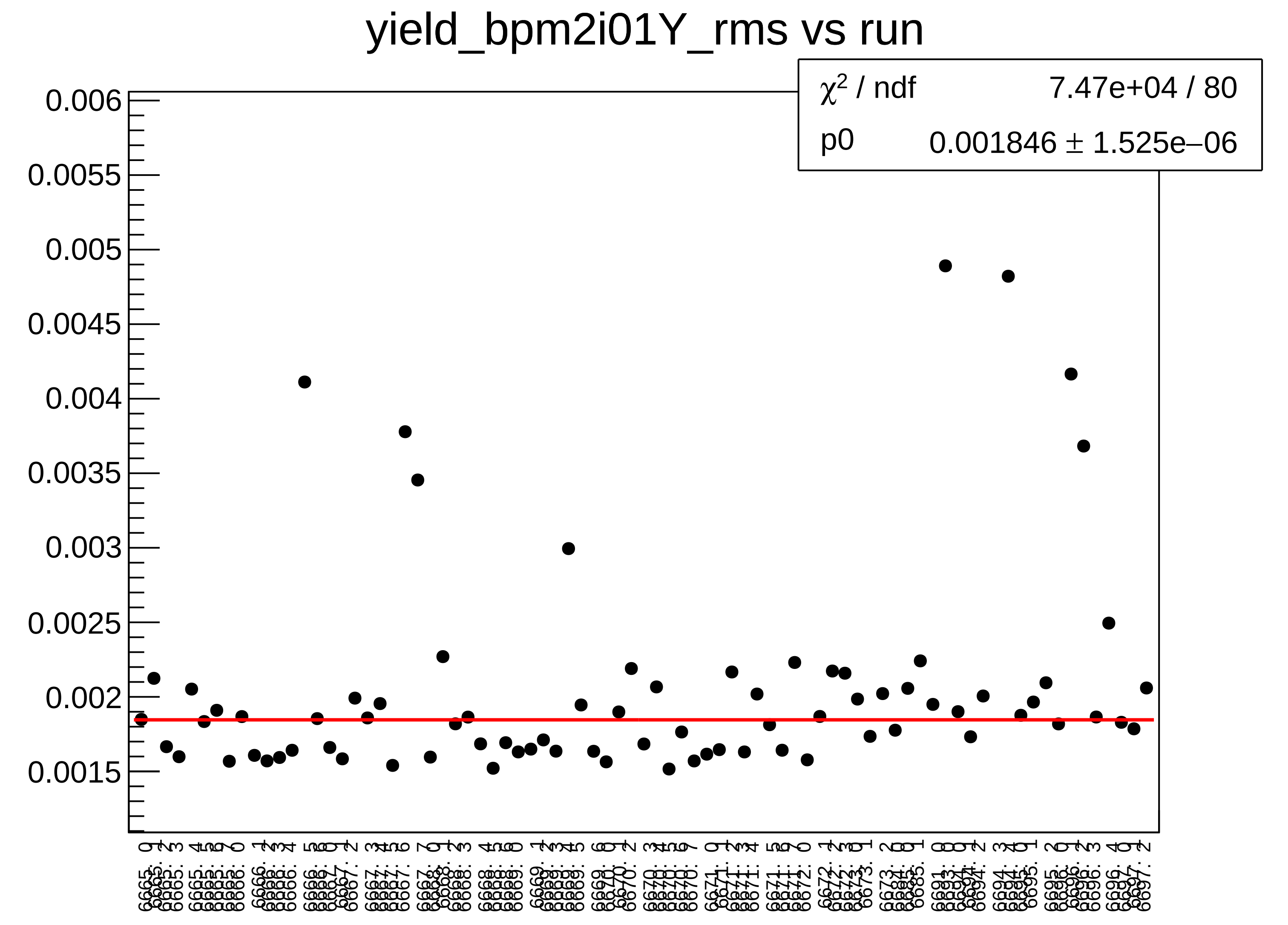




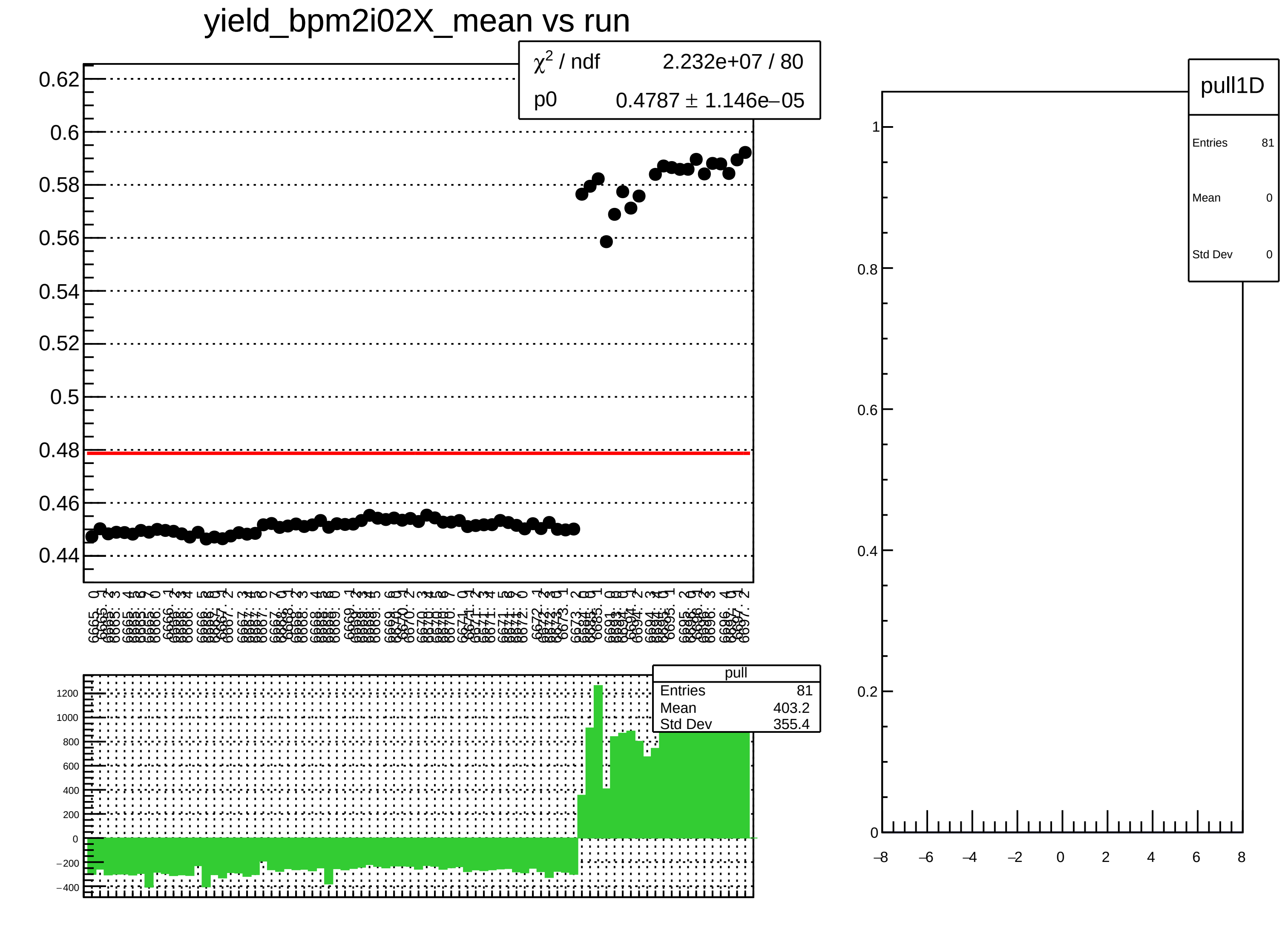
yield_bpm2i01X_rms vs run
χ2 / ndf 7401 / 80
p0 0.001614 ± 1.304e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014



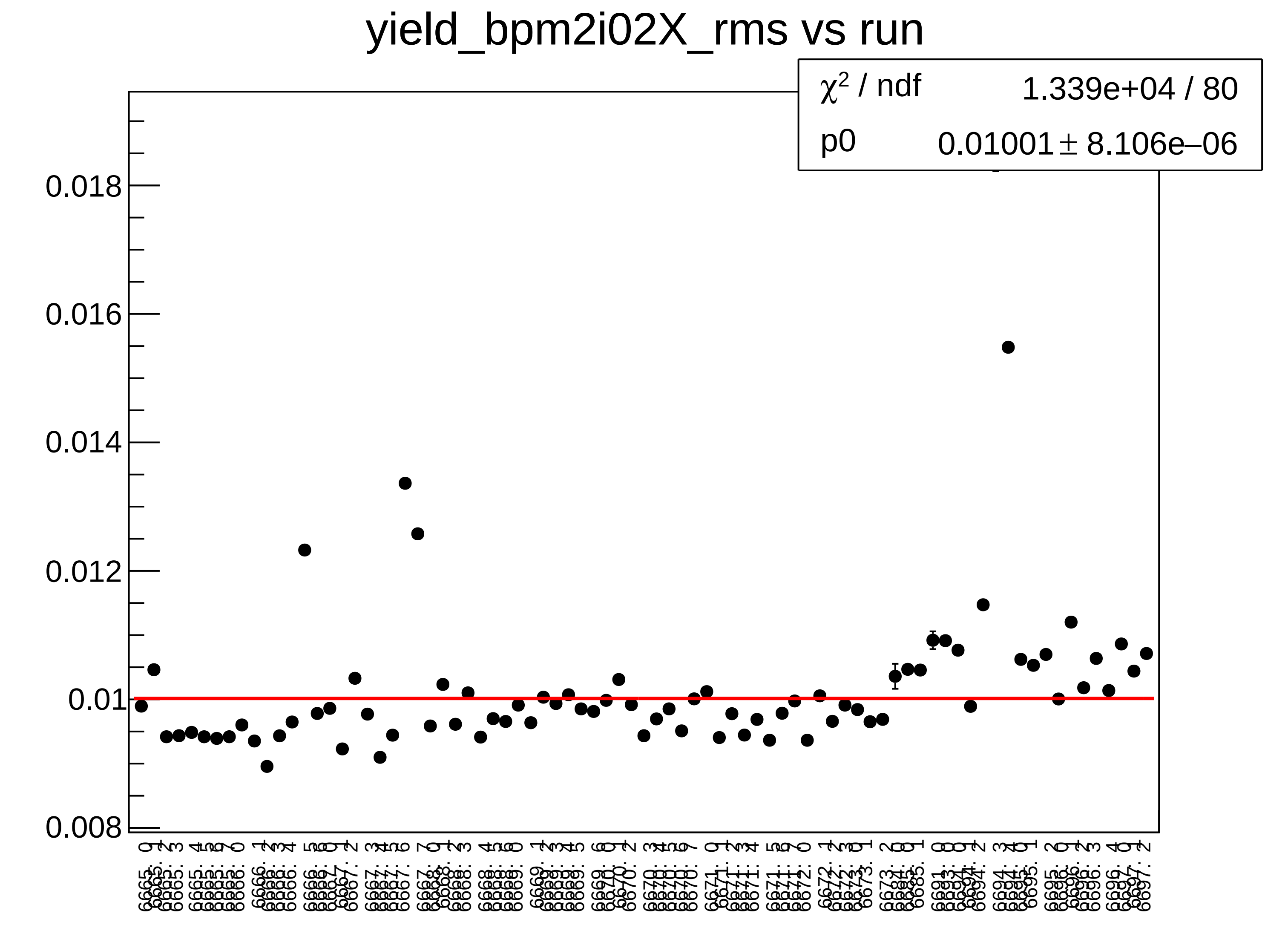
yield_bpm2i01Y_mean vs run
χ^2 / ndf 6.95e+09 / 80
p0 −3.496 ± 2.157e−06
pull
Entries 81
Mean 257.7
Std Dev 208.8
pull1D
Entries 81
Mean 0
Std Dev 0



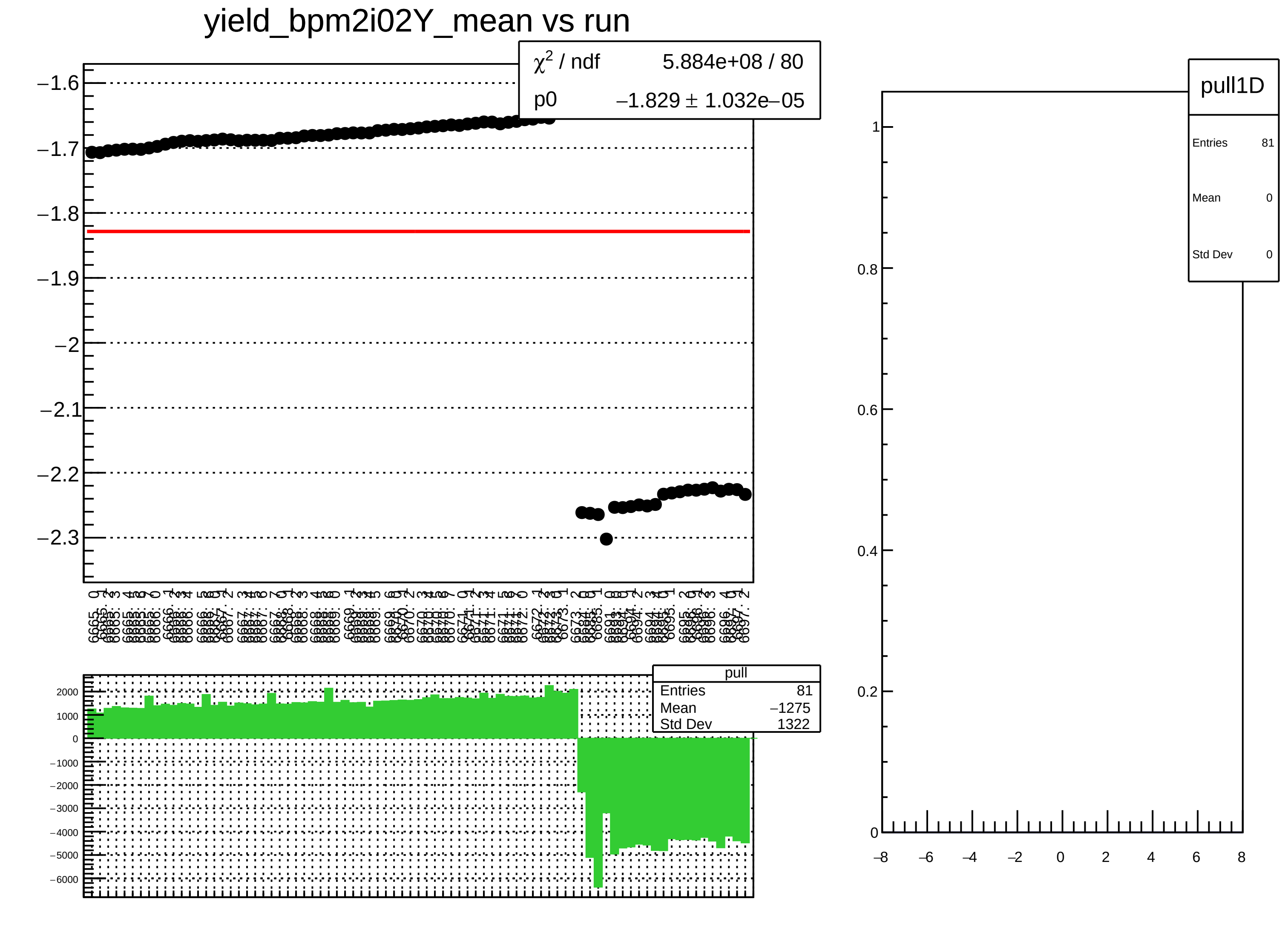
yield_bpm2i01Y_rms vs run
χ2 / ndf 7.47e+04 / 80
p0 0.001846 ± 1.525e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015



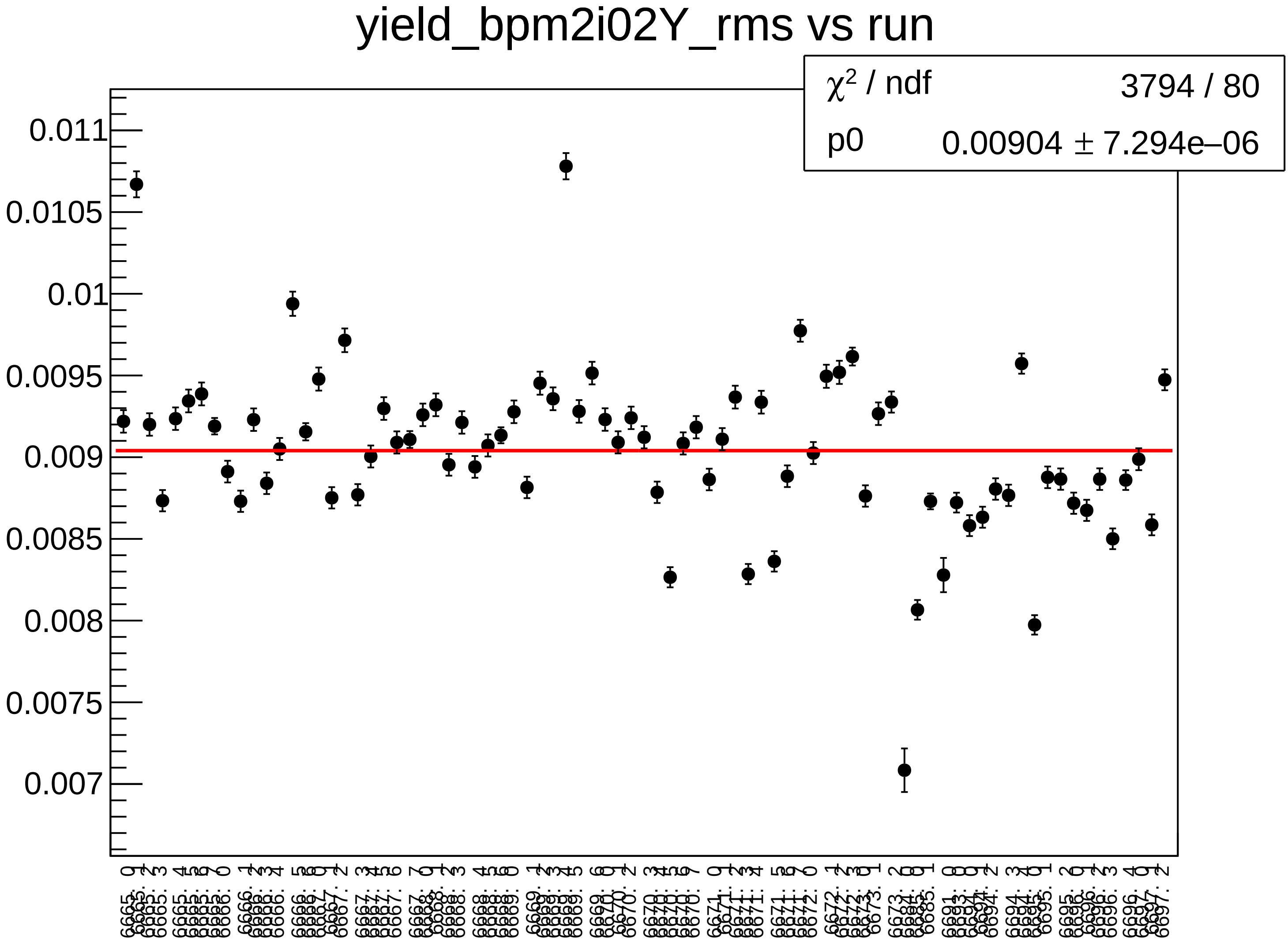
yield_bpm2i02X_mean vs run
χ^2 / ndf 2.232e+07 / 80
p0 0.4787 ± 1.146e−05
pull
Entries 81
Mean 403.2
Std Dev 355.4
pull1D
Entries 81
Mean 0
Std Dev 0



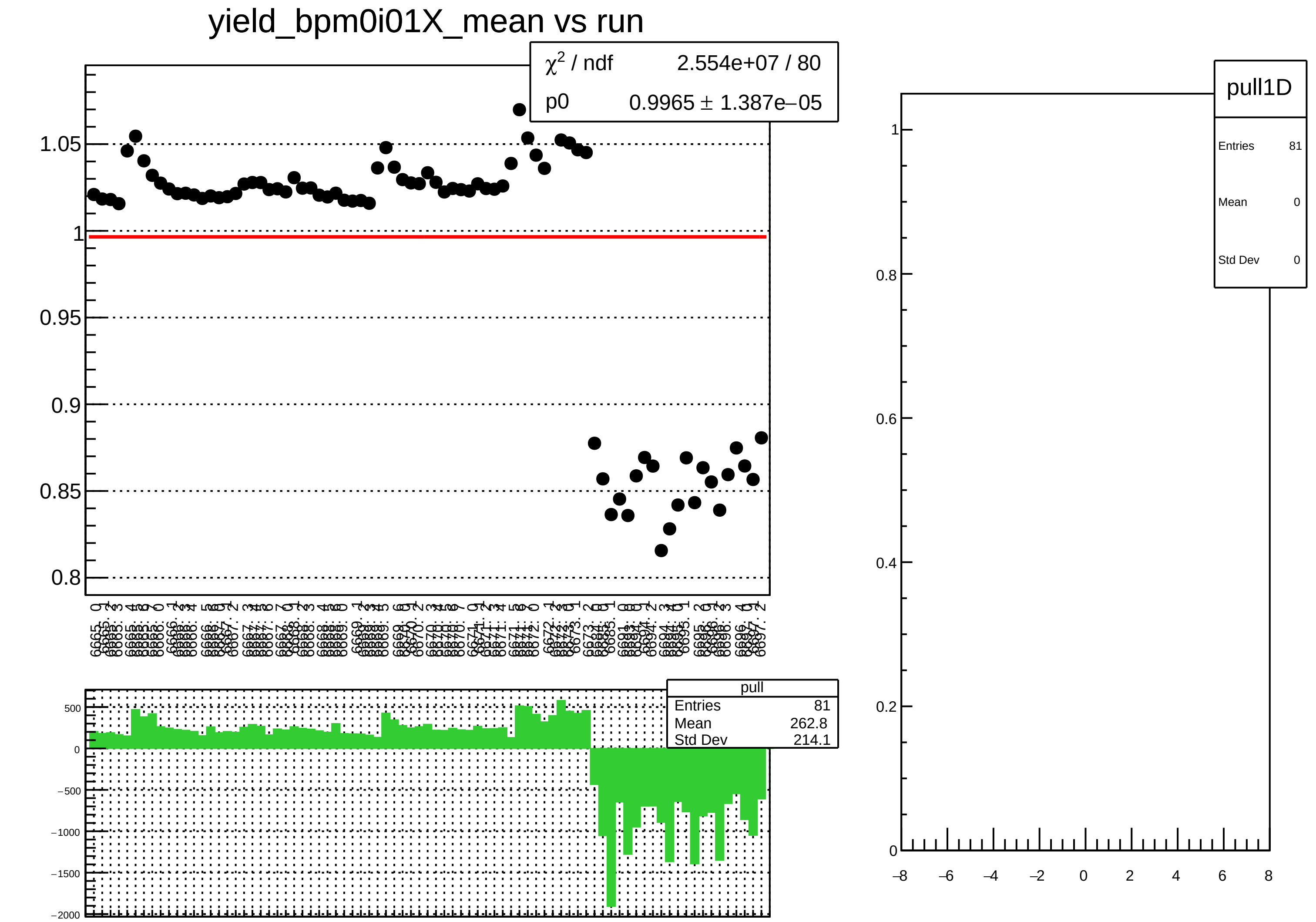
yield_bpm2i02X_rms vs run
χ^2 / ndf 1.339e+04 / 80
p0 0.01001 ± 8.106e−06
0.018
0.016
0.014
0.012
0.01
0.008



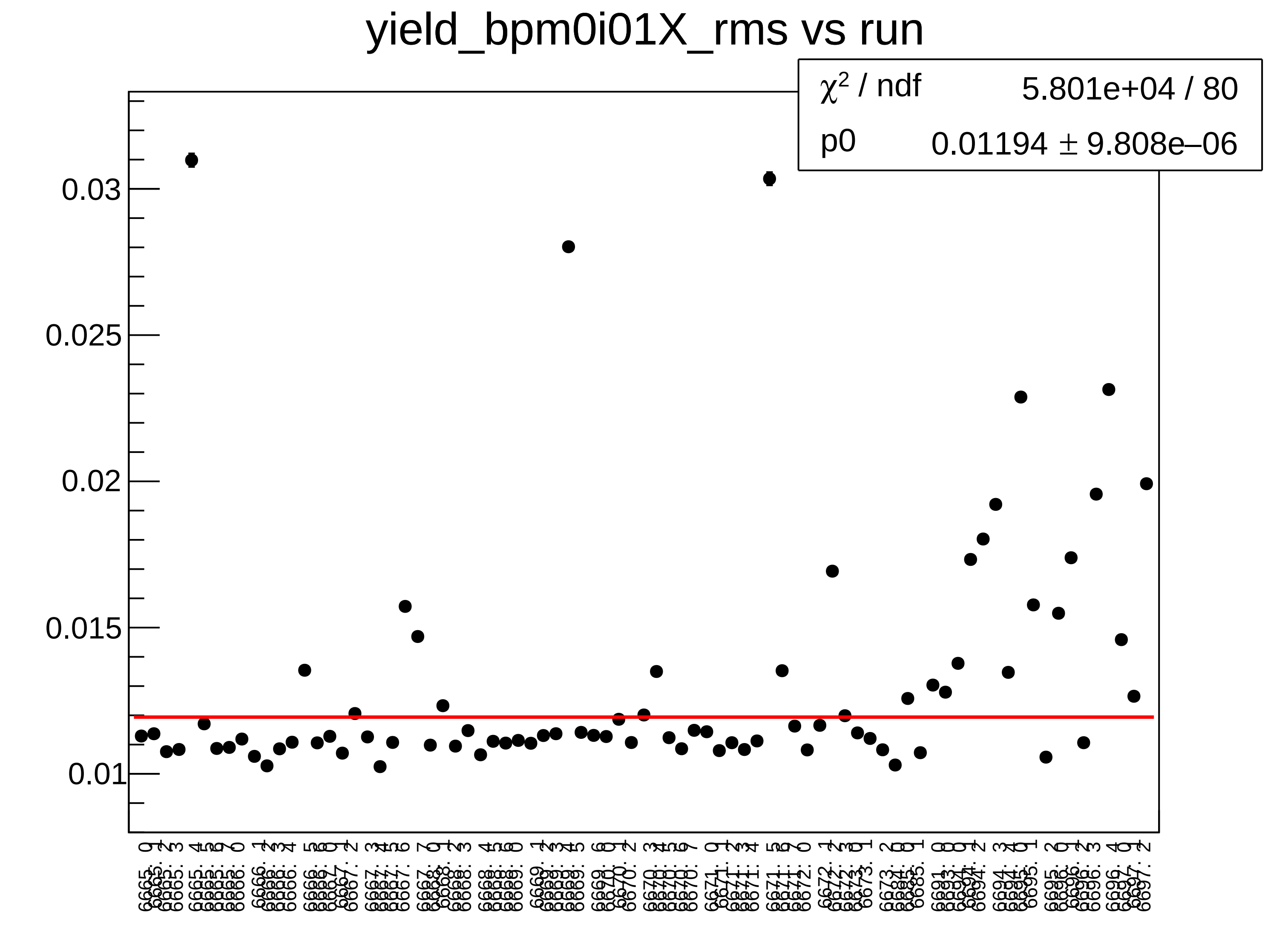
yield_bpm2i02Y_mean vs run
χ2 / ndf 5.884e+08 / 80
p0 −1.829 ± 1.032e−05
pull
Entries 81
Mean −1275
Std Dev 1322
pull1D
Entries 81
Mean 0
Std Dev 0



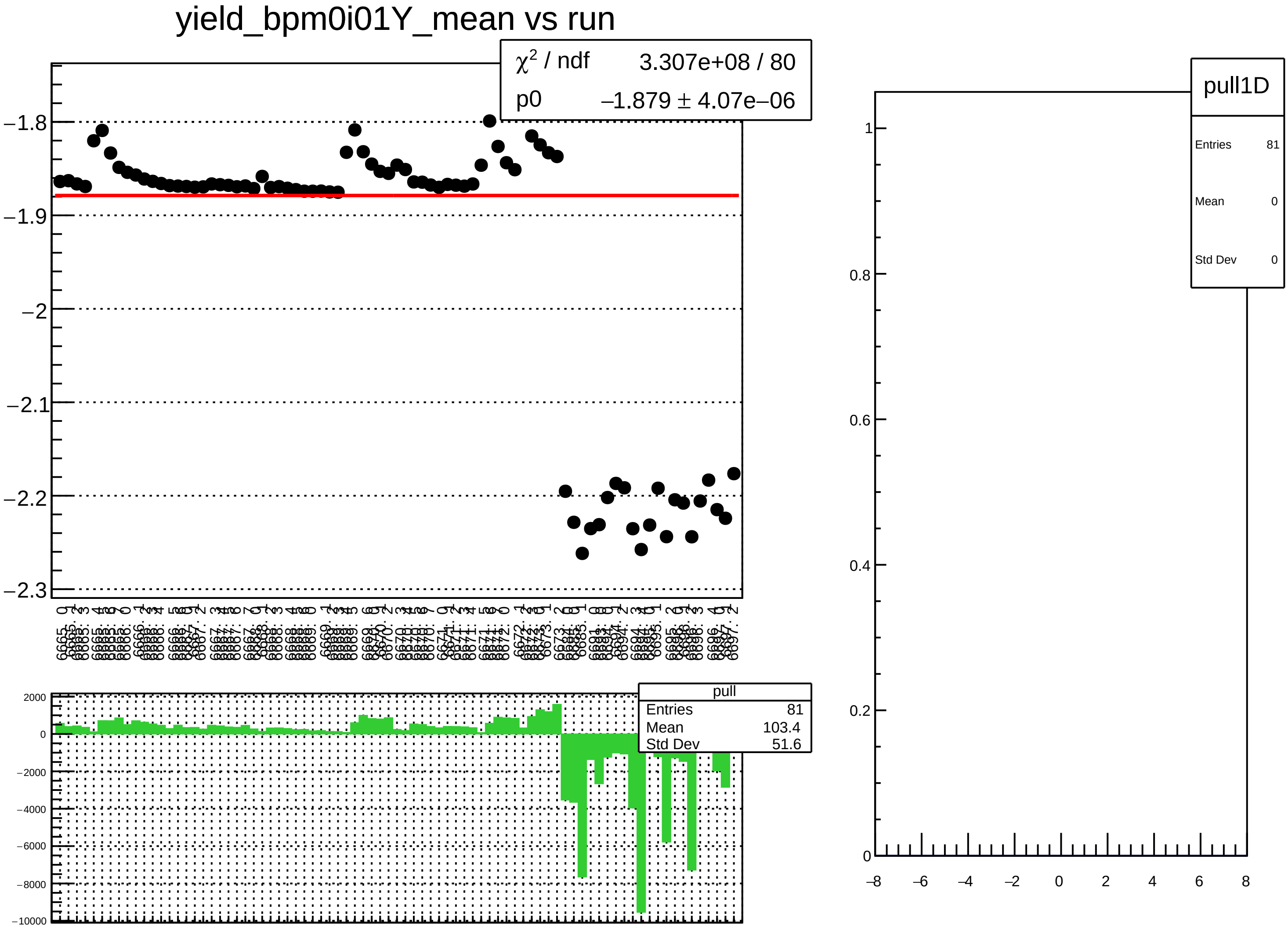
yield_bpm2i02Y_rms vs run
χ^2 / ndf 3794 / 80
p0 0.00904 ± 7.294e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007



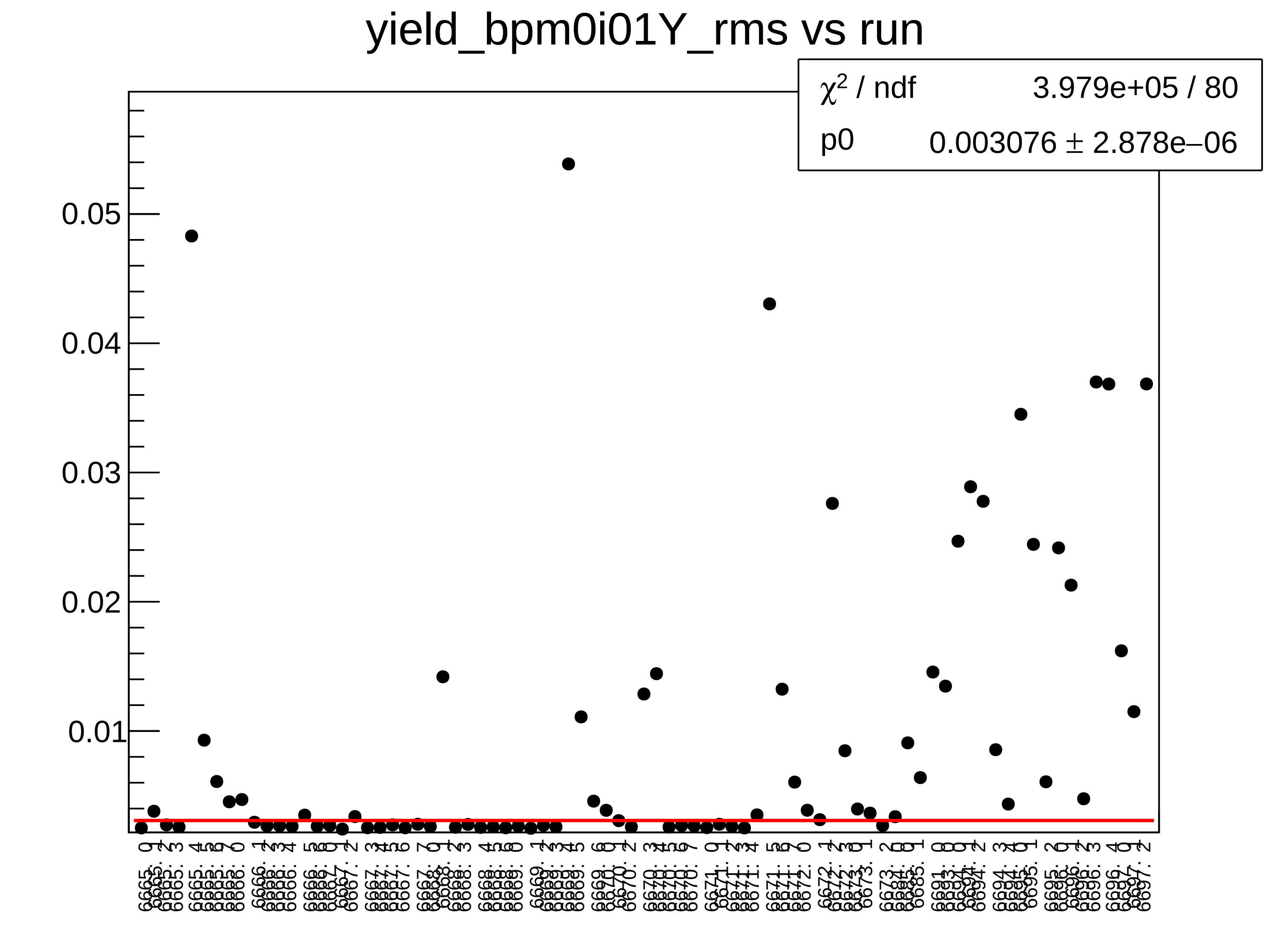
yield_bpm0i01X_mean vs run
χ² / ndf 2.554e+07 / 80
p0 0.9965 ± 1.387e−05
pull
Entries 81
Mean 262.8
Std Dev 214.1
pull1D
Entries 81
Mean 0
Std Dev 0



yield_bpm0i01X_rms vs run
χ² / ndf 5.801e+04 / 80
p0 0.01194 ± 9.808e−06
0.03
0.025
0.02
0.015
0.01

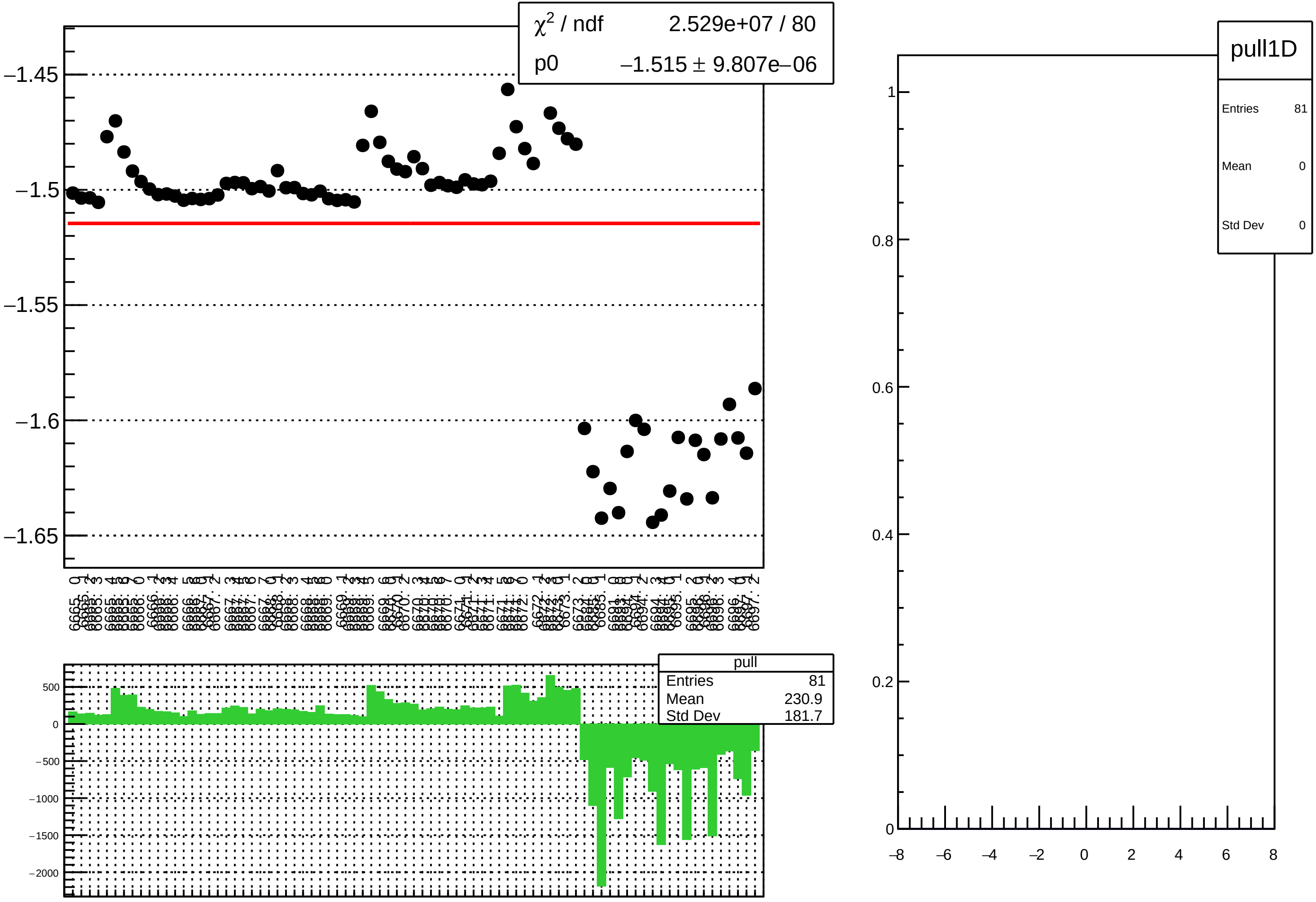


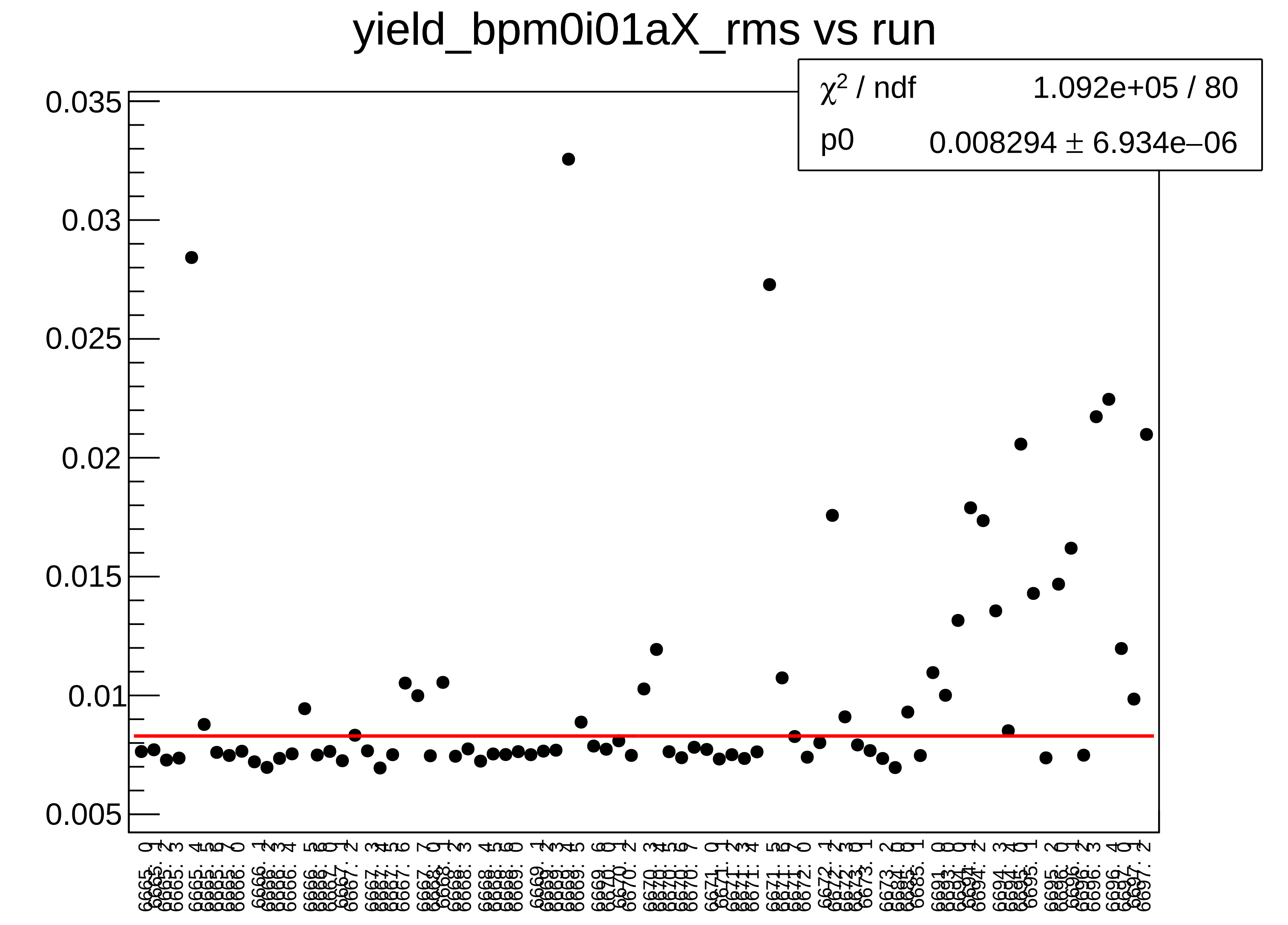
yield_bpm0i01Y_mean vs run
χ^2 / ndf 3.307e+08 / 80
p0 −1.879 ± 4.07e−06
pull
Entries 81
Mean 103.4
Std Dev 51.6
pull1D
Entries 81
Mean 0
Std Dev 0

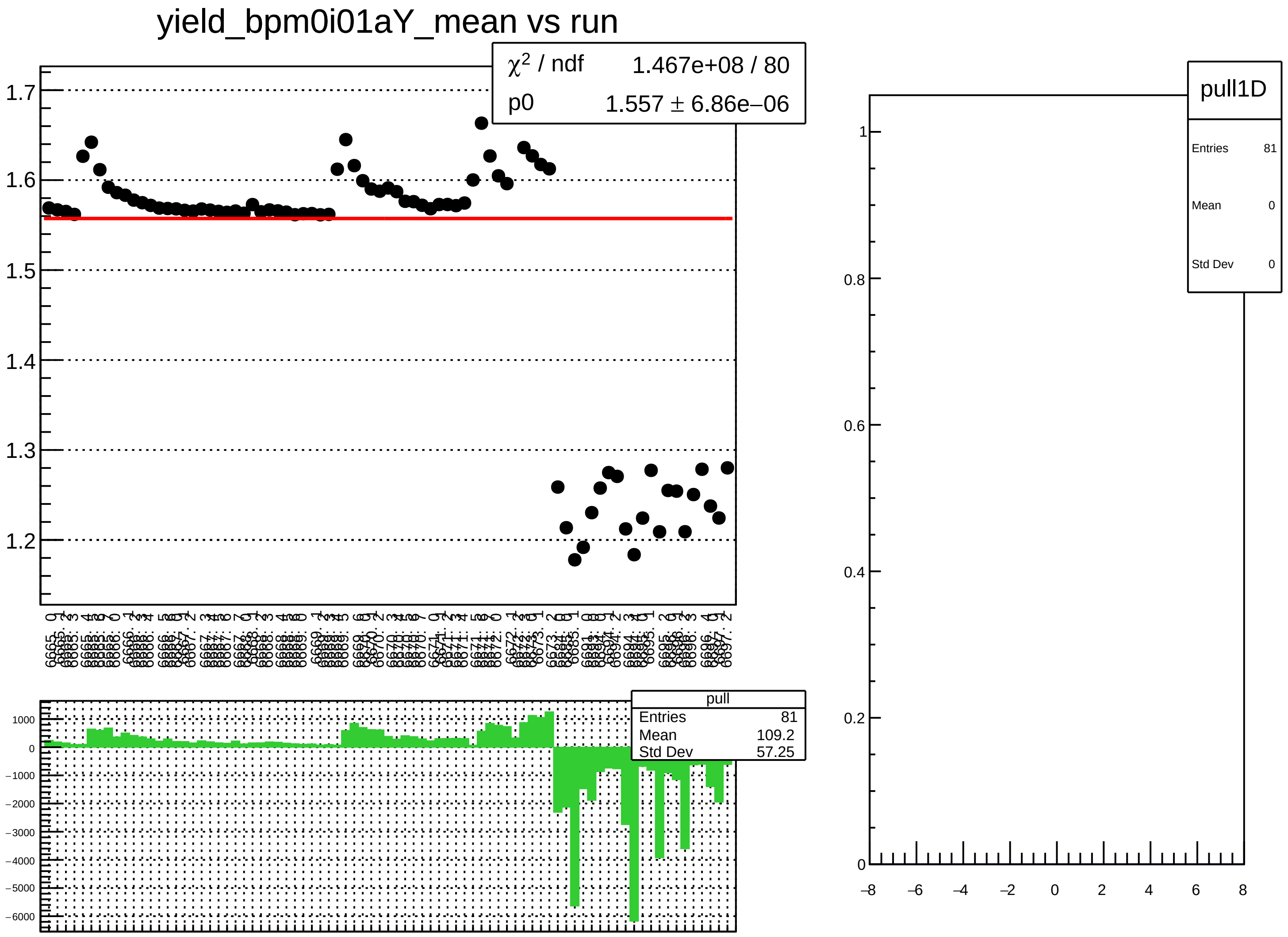


yield_bpm0i01Y_rms vs run
χ2 / ndf 3.979e+05 / 80
p0 0.003076 ± 2.878e−06
0.05
0.04
0.03
0.02
0.01

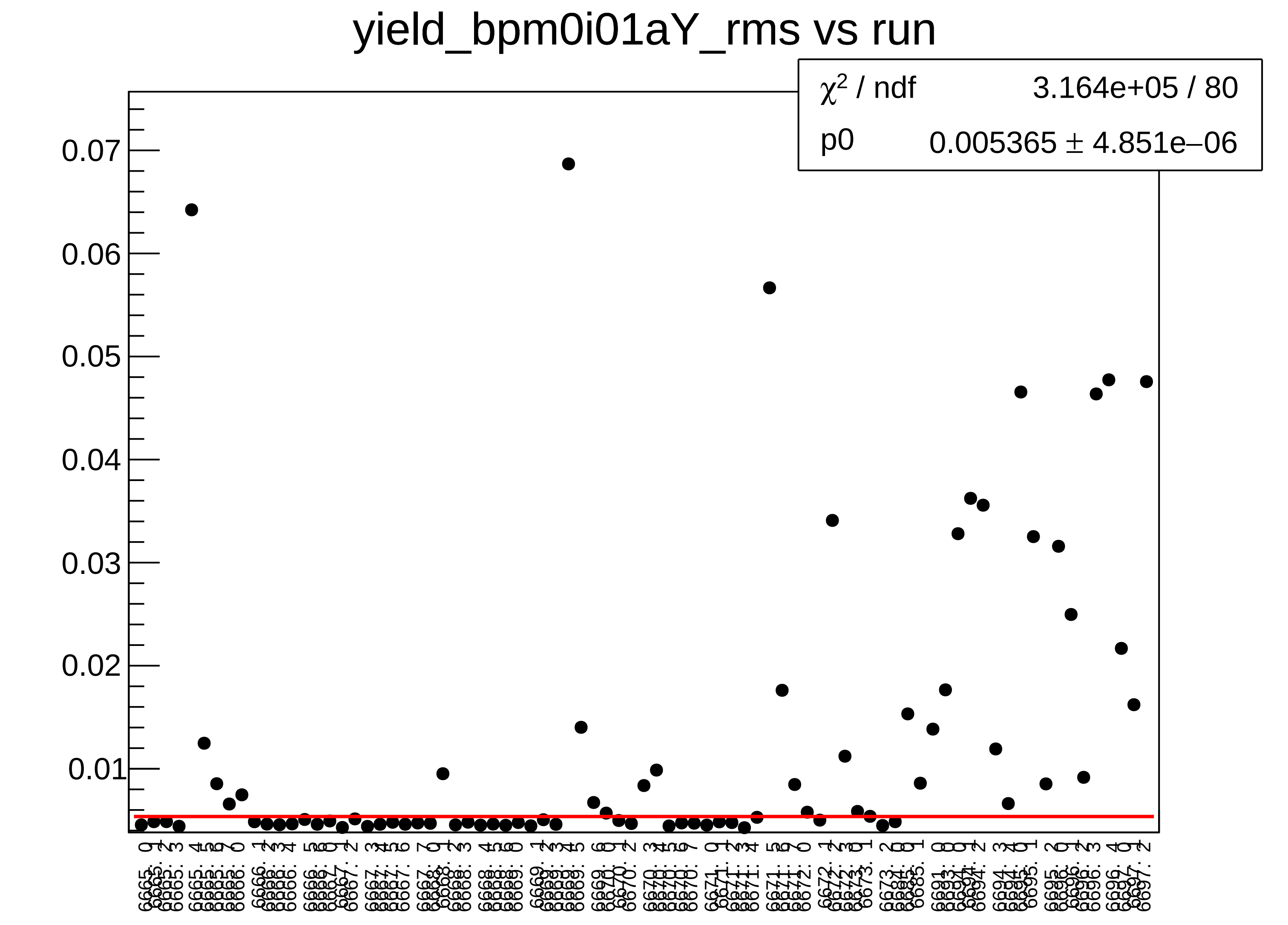
yield_bpm0i01aX_mean vs run



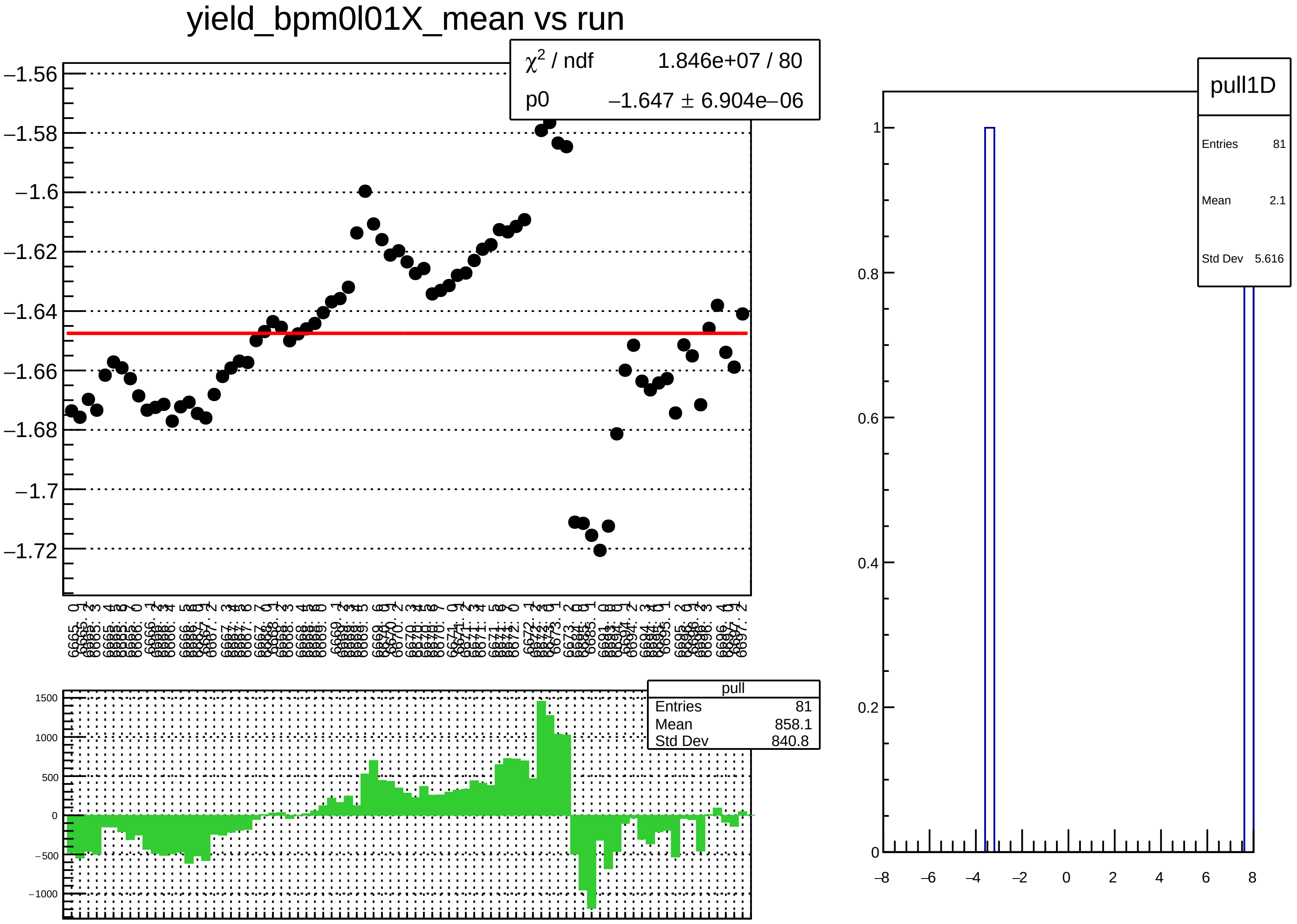

yield_bpm0i01aX_rms vs run
χ2 / ndf 1.092e+05 / 80
p0 0.008294 ± 6.934e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005



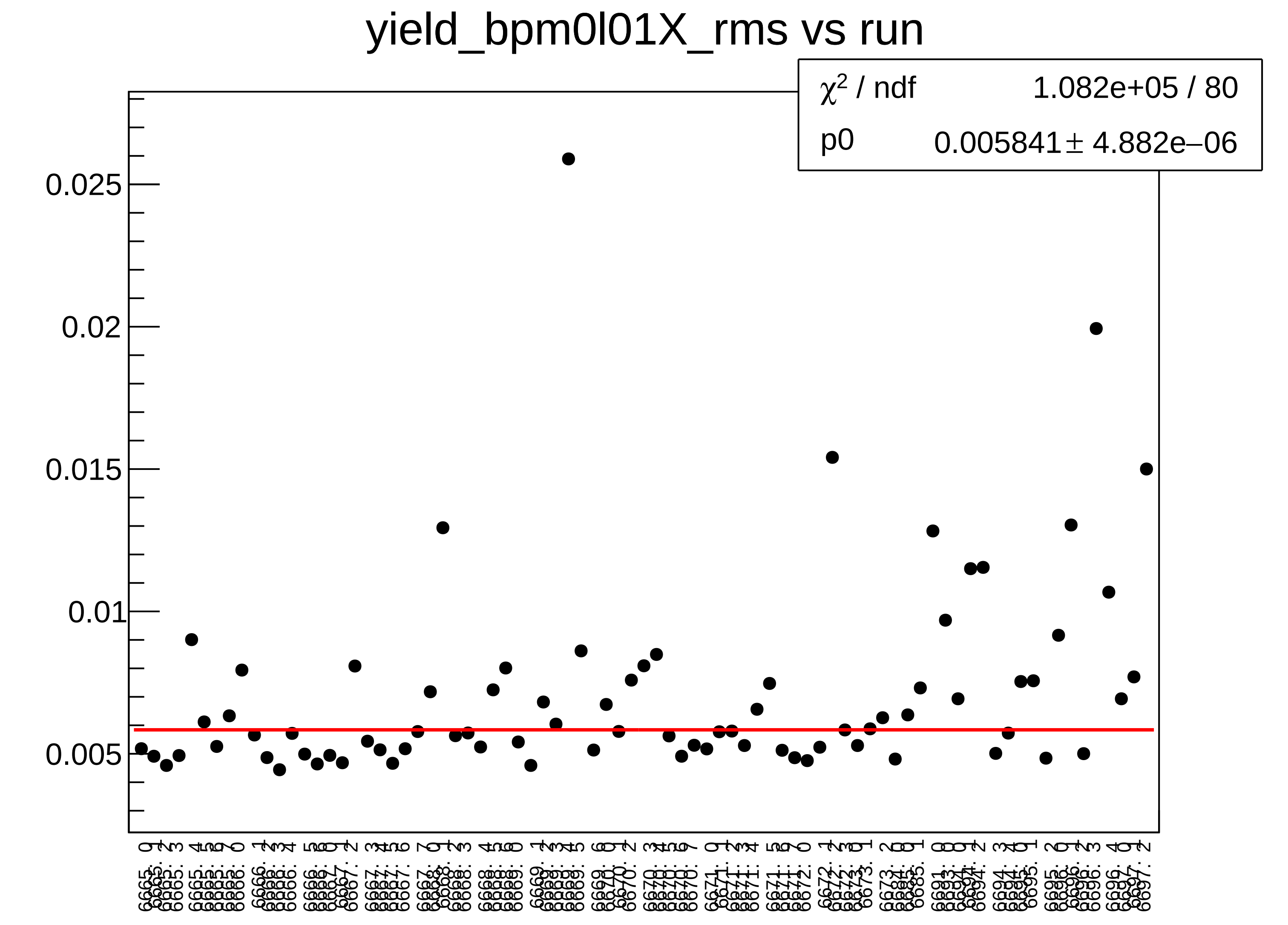
yield_bpm0i01aY_mean vs run
χ² / ndf 1.467e+08 / 80
p0 1.557 ± 6.86e−06
pull
Entries 81
Mean 109.2
Std Dev 57.25
pull1D
Entries 81
Mean 0
Std Dev 0



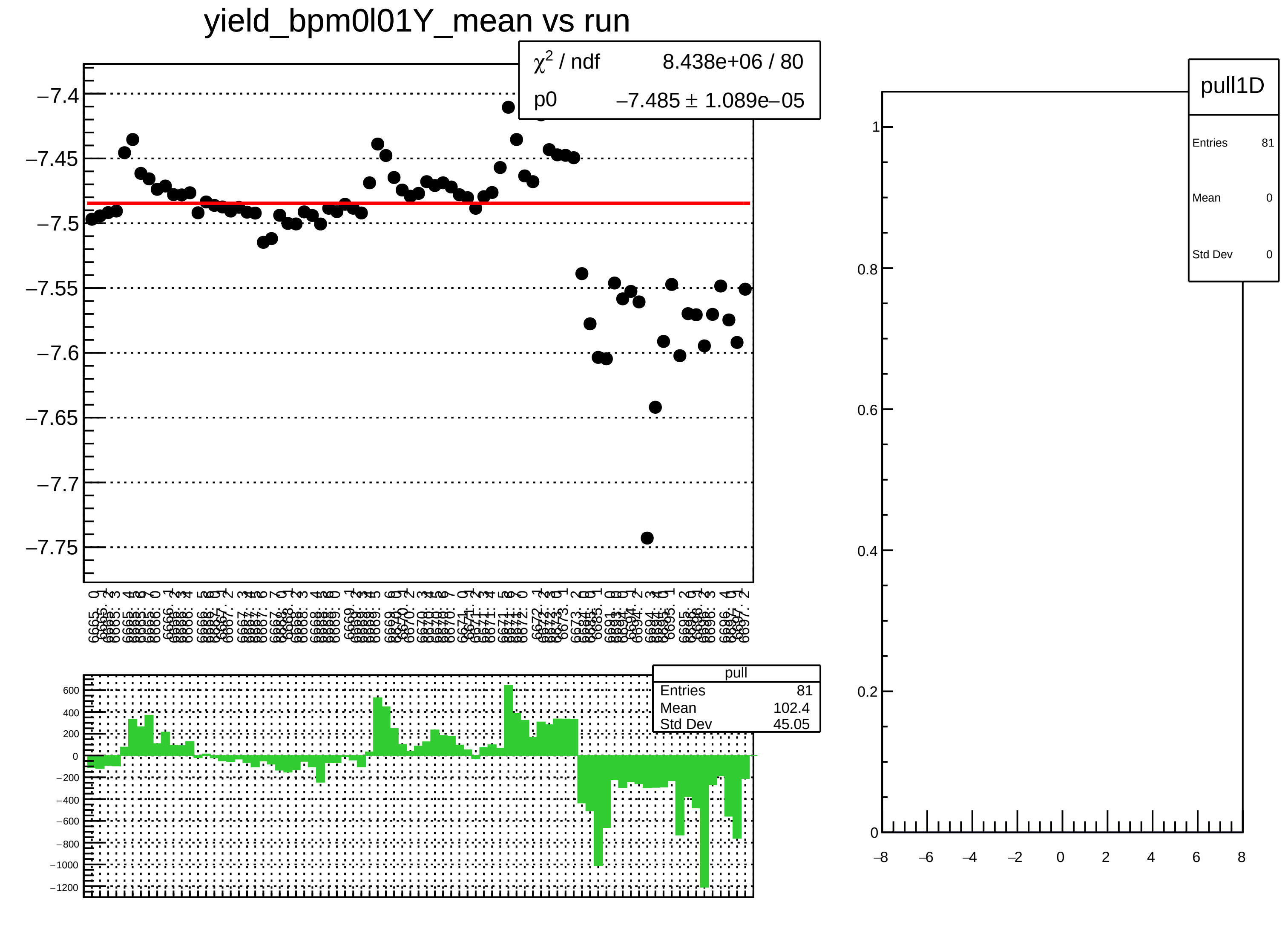
yield_bpm0i01aY_rms vs run
χ^2 / ndf 3.164e+05 / 80
p0 0.005365 ± 4.851e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01



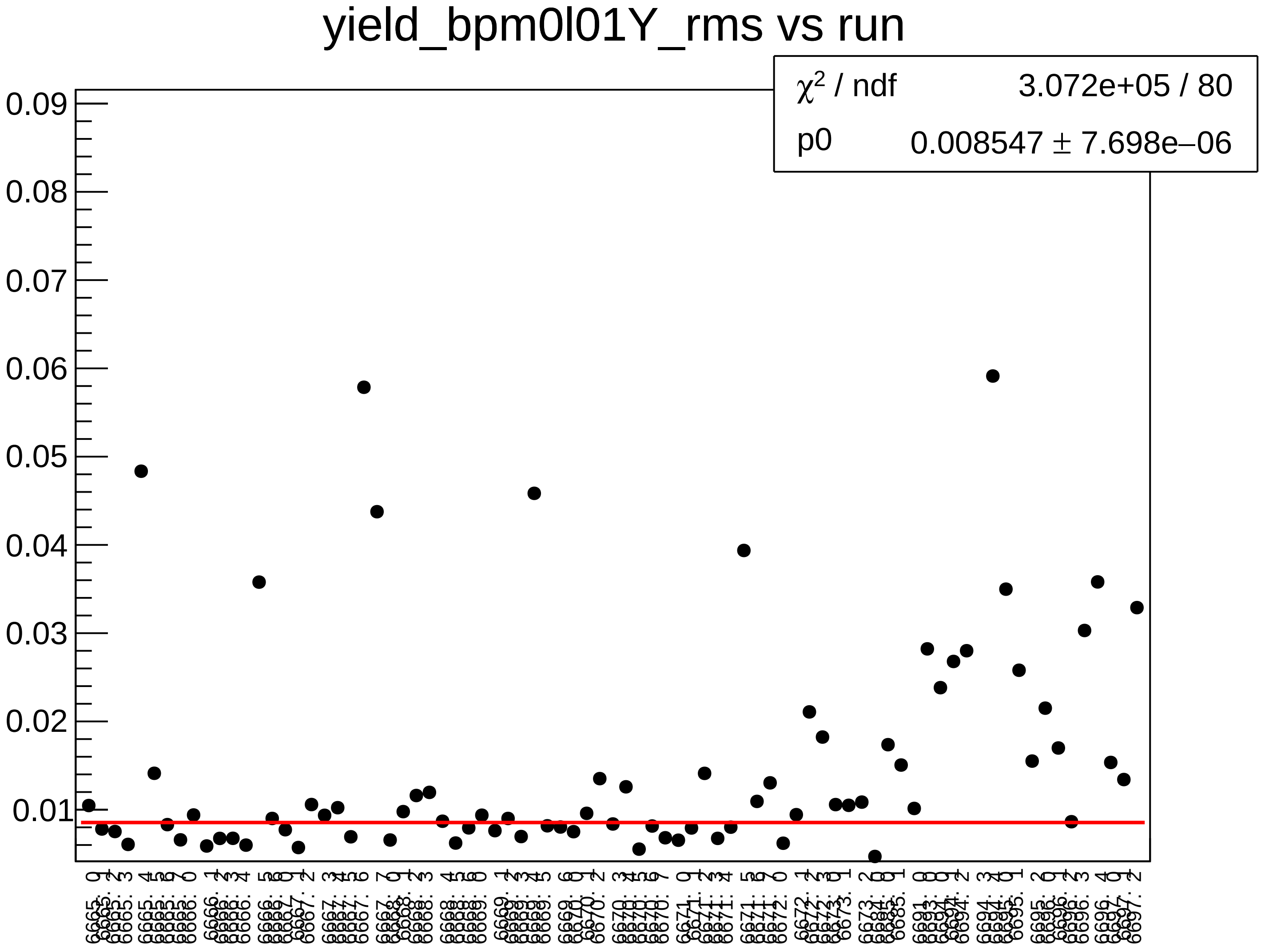
yield_bpm0l01X_mean vs run
χ^2 / ndf 1.846e+07 / 80
p0 −1.647 ± 6.904e−06
pull
Entries 81
Mean 858.1
Std Dev 840.8
pull1D
Entries 81
Mean 2.1
Std Dev 5.616



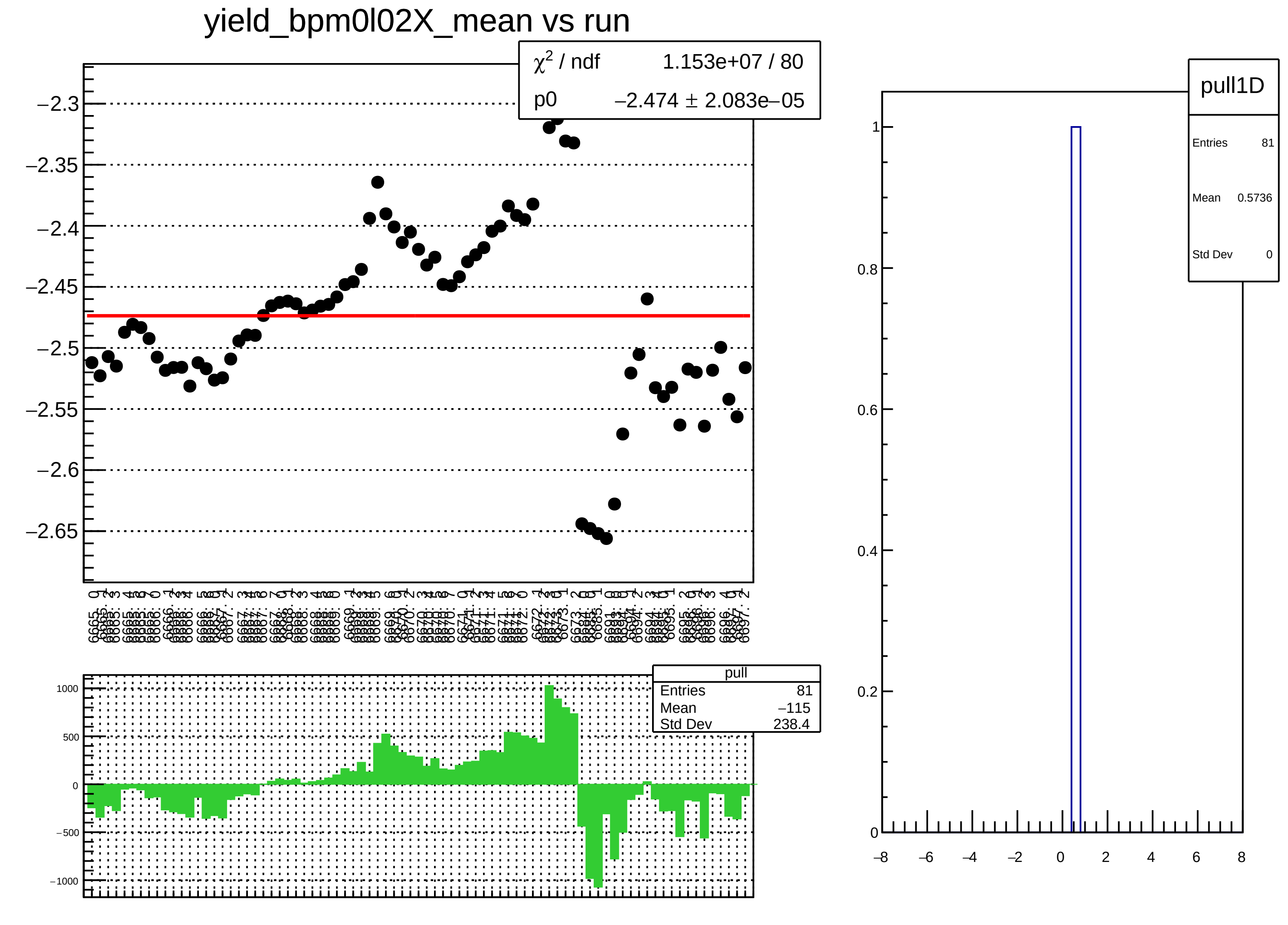
yield_bpm0l01X_rms vs run
χ^2 / ndf 1.082e+05 / 80
p0 0.005841 ± 4.882e−06
0.025
0.02
0.015
0.01
0.005



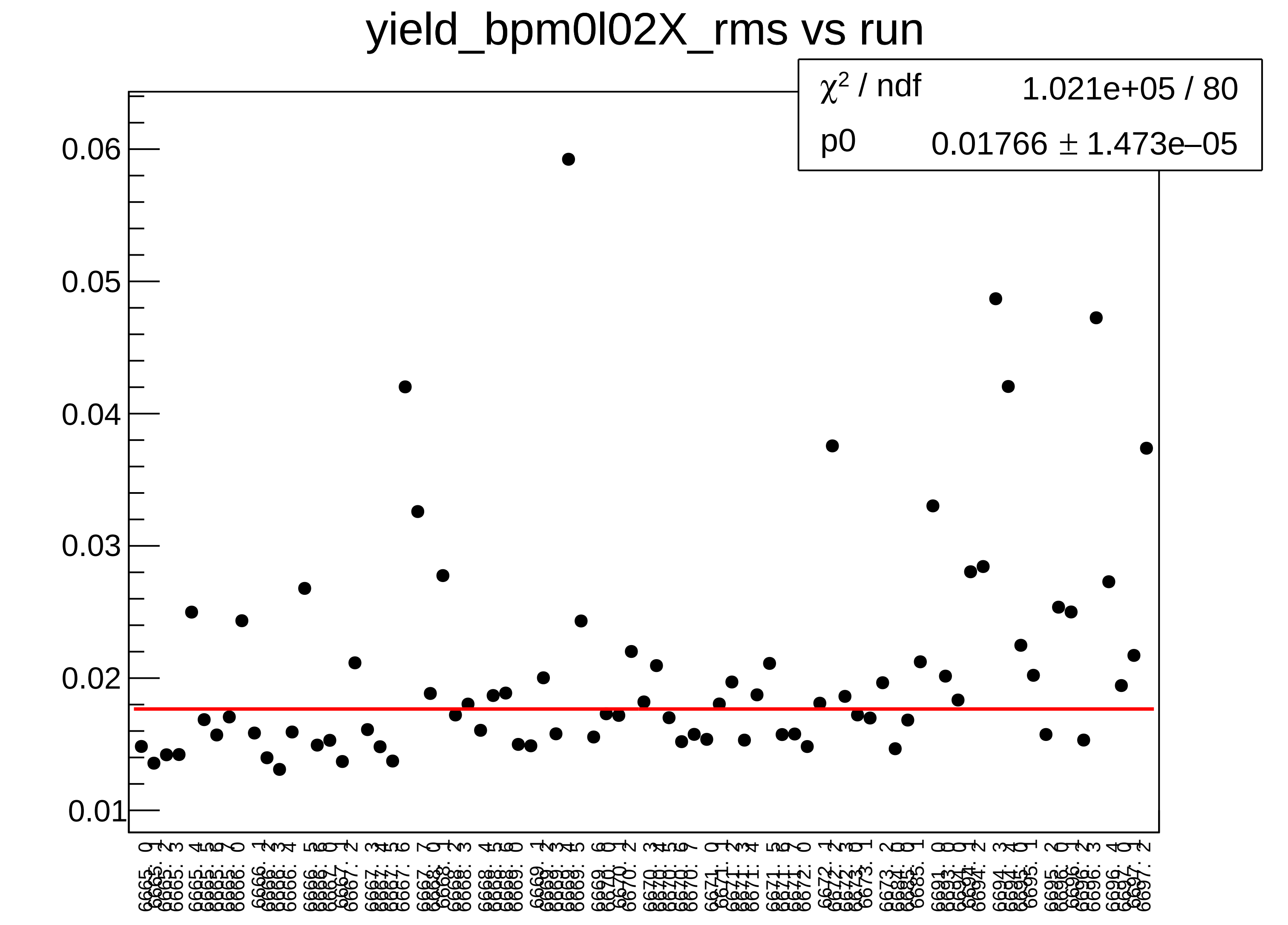
yield_bpm0l01Y_mean vs run
χ2 / ndf 8.438e+06 / 80
p0 −7.485 ± 1.089e−05
−7.4
−7.45
−7.5
−7.55
−7.6
−7.65
−7.7
−7.75
pull
Entries 81
Mean 102.4
Std Dev 45.05
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

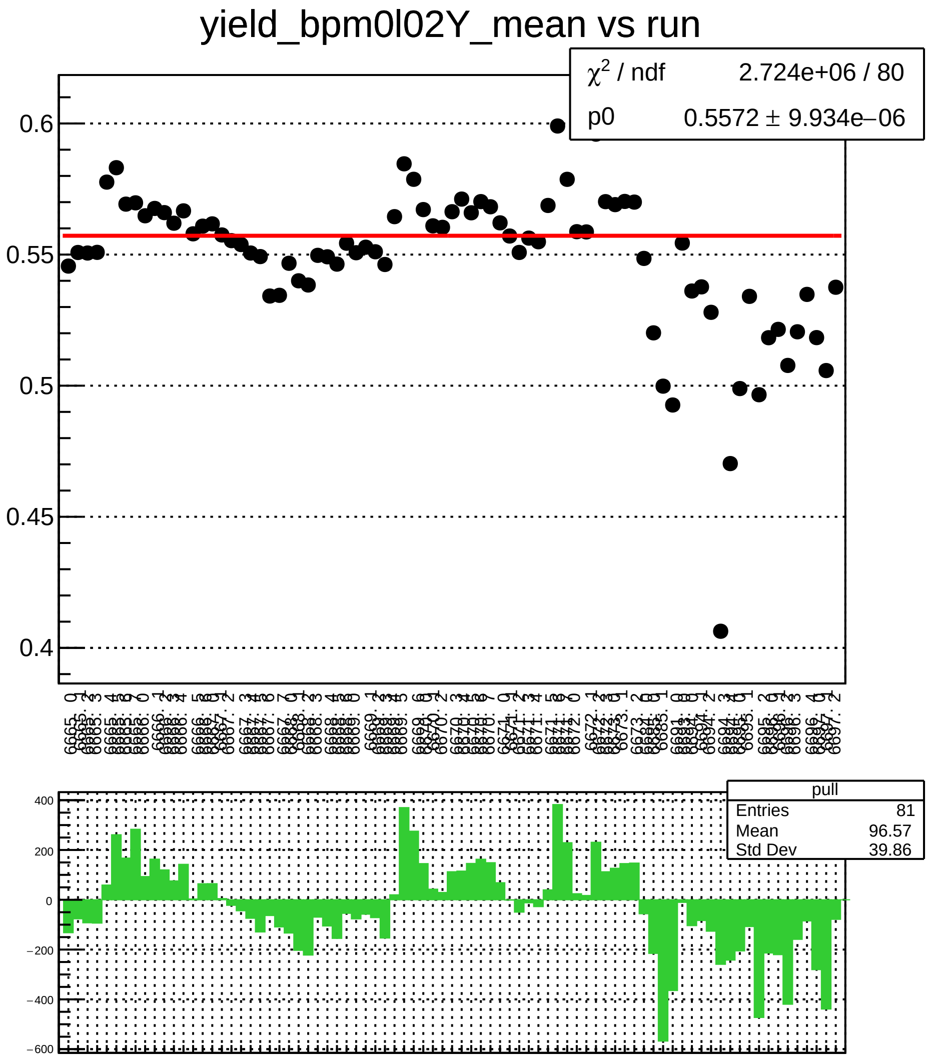


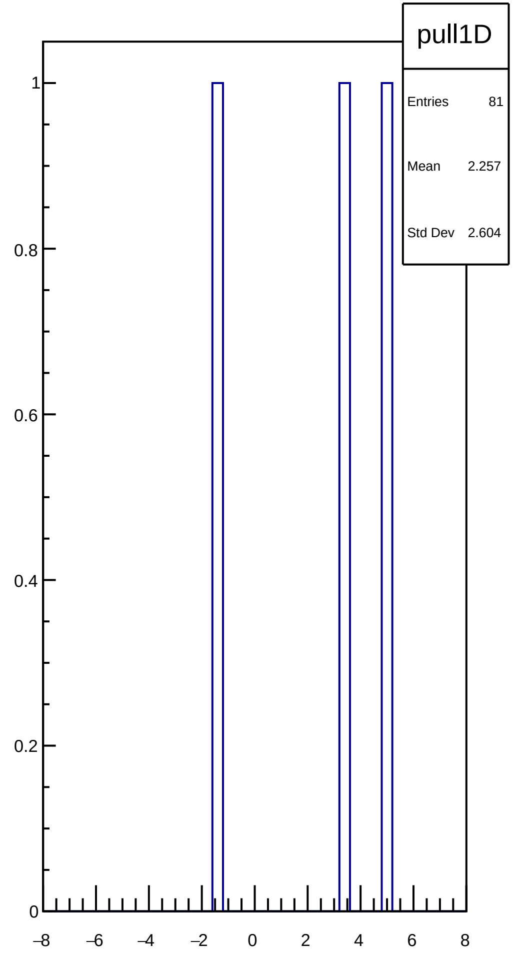
yield_bpm0l01Y_rms vs run
χ^2 / ndf 3.072e+05 / 80
p0 0.008547 ± 7.698e−06
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

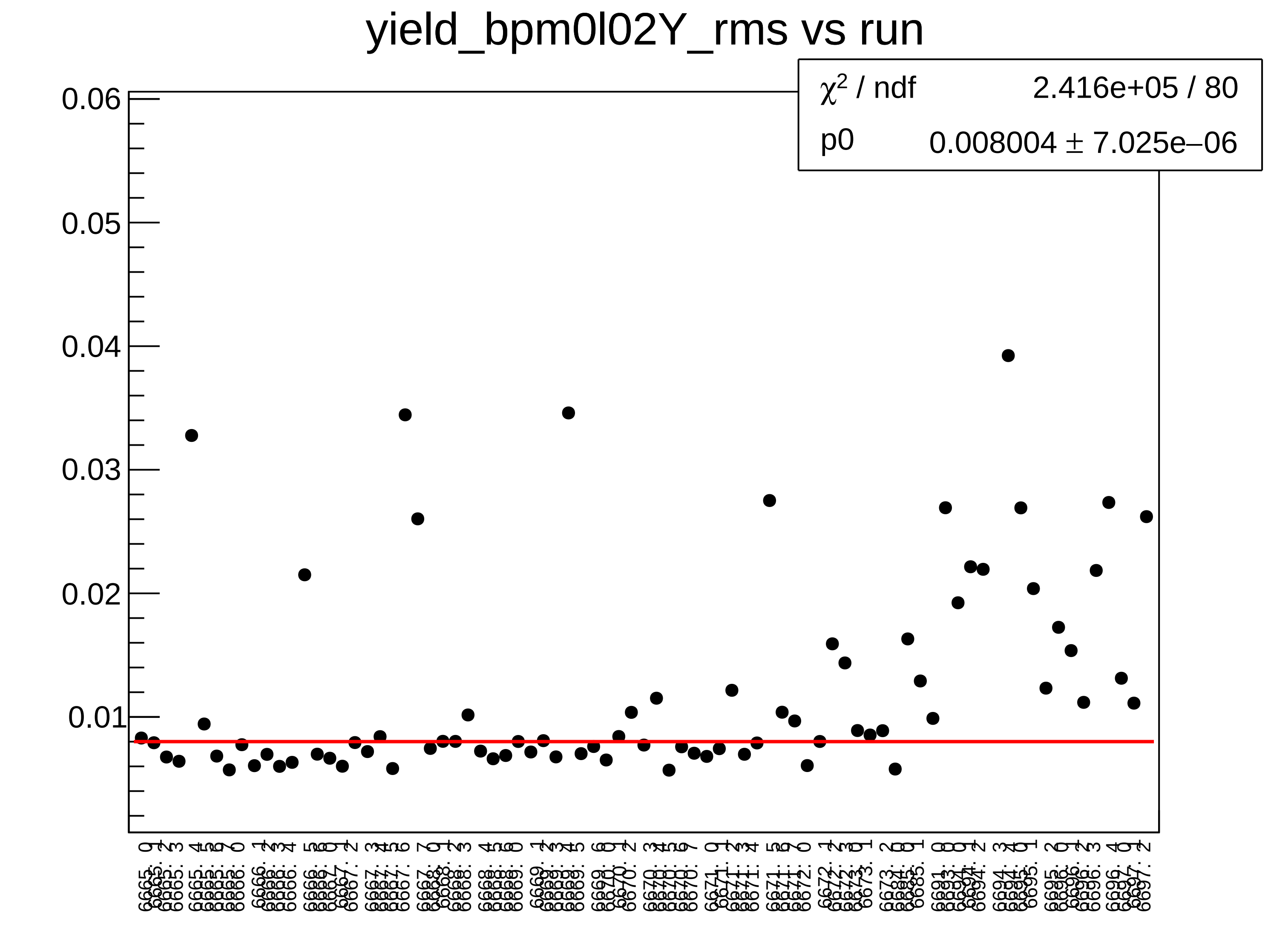


yield_bpm0l02X_mean vs run
χ2 / ndf 1.153e+07 / 80
p0 −2.474 ± 2.083e−05
−2.3
−2.35
−2.4
−2.45
−2.5
−2.55
−2.6
−2.65
pull
Entries 81
Mean −115
Std Dev 238.4
1000
500
0
−500
−1000
pull1D
Entries 81
Mean 0.5736
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

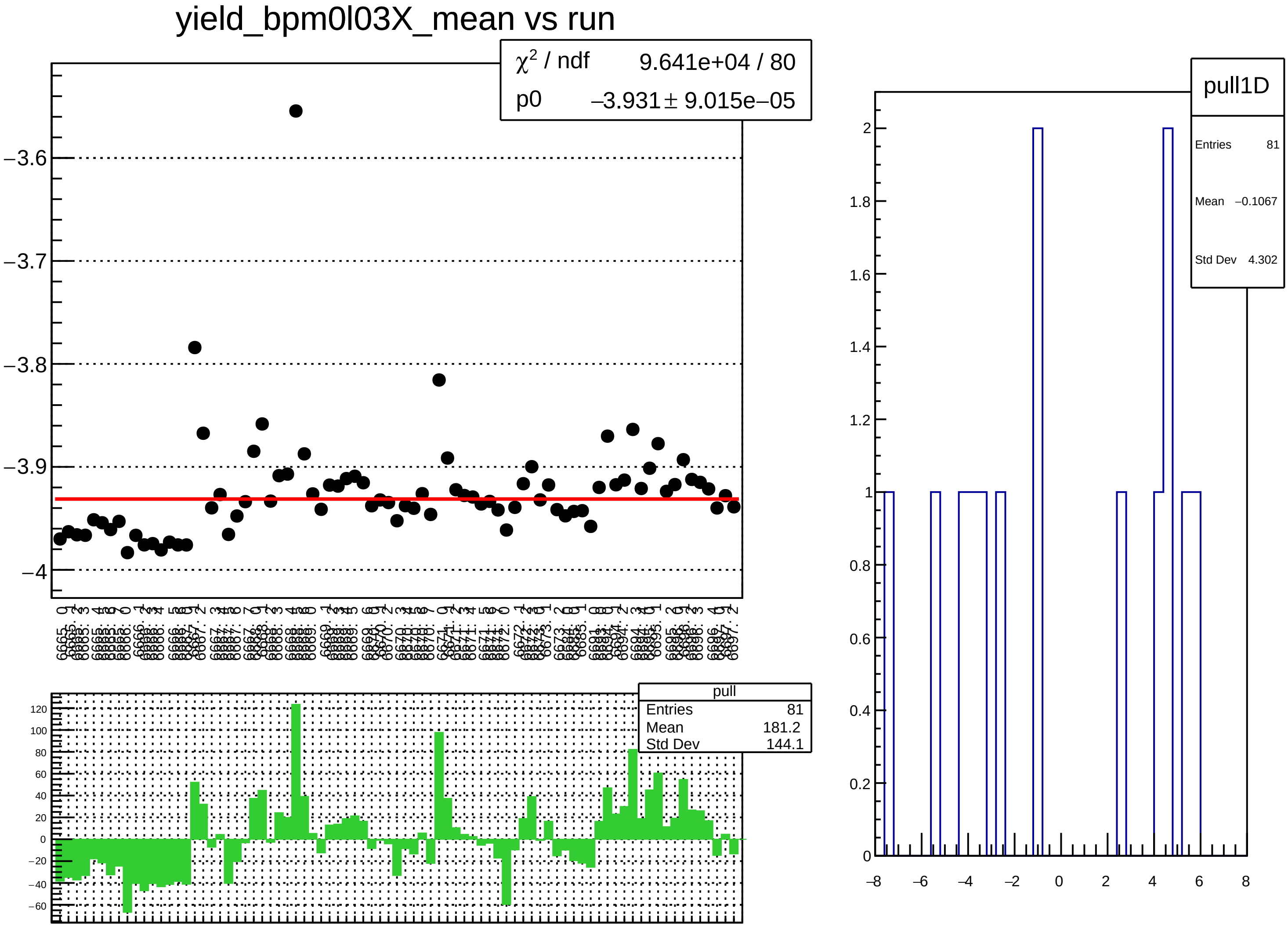

yield_bpm0l02X_rms vs run
χ^2 / ndf 1.021e+05 / 80
p0 0.01766 ± 1.473e−05
0.06
0.05
0.04
0.03
0.02
0.01

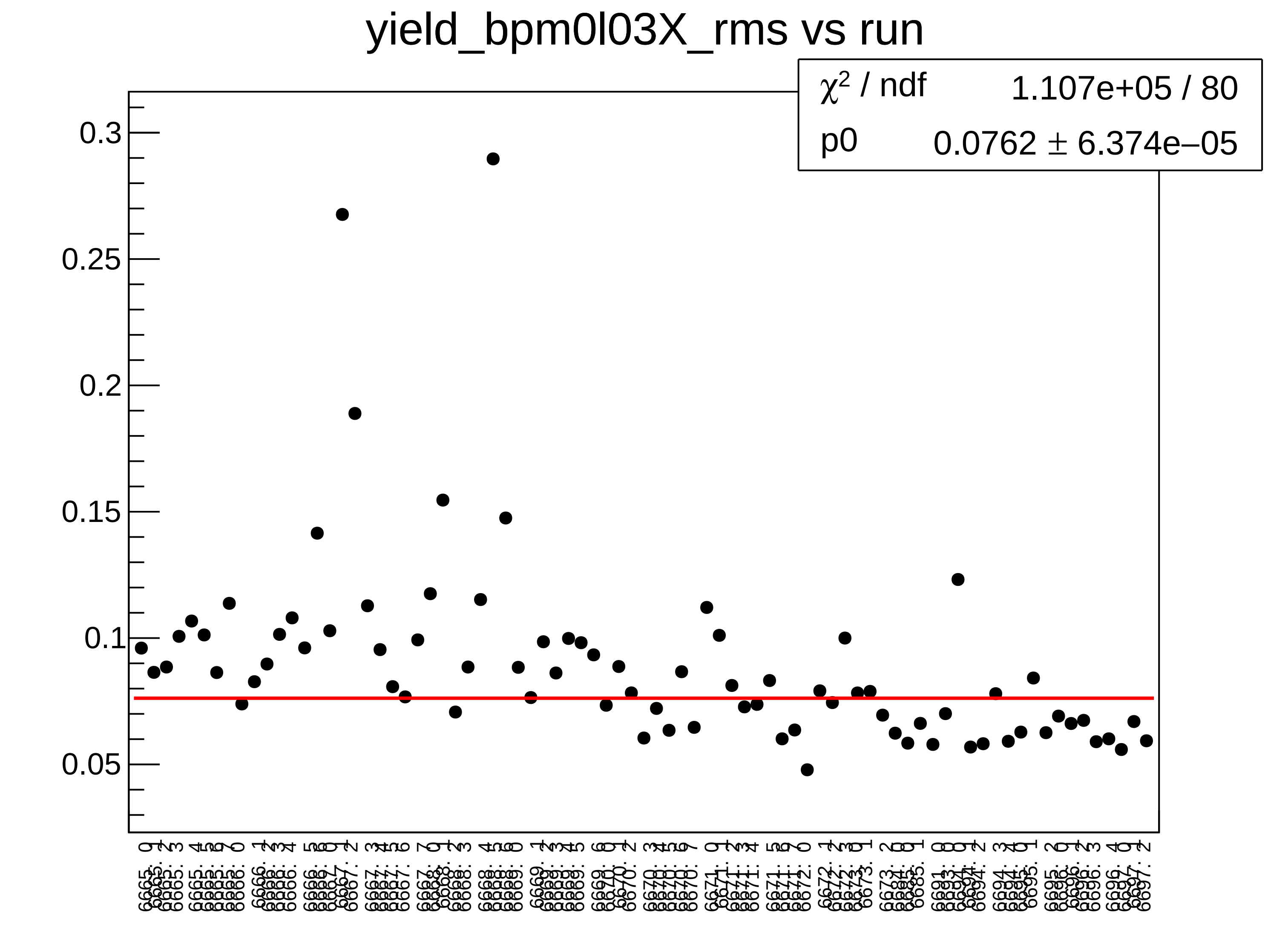

yield_bpm0l02Y_mean vs run
χ^2 / ndf 2.724e+06 / 80
p0 0.5572 ± 9.934e−06
0.6
0.55
0.5
0.45
0.4
pull
Entries 81
Mean 96.57
Std Dev 39.86
400
200
0
−200
−400
−600


pull1D
Entries 81
Mean 2.257
Std Dev 2.604
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

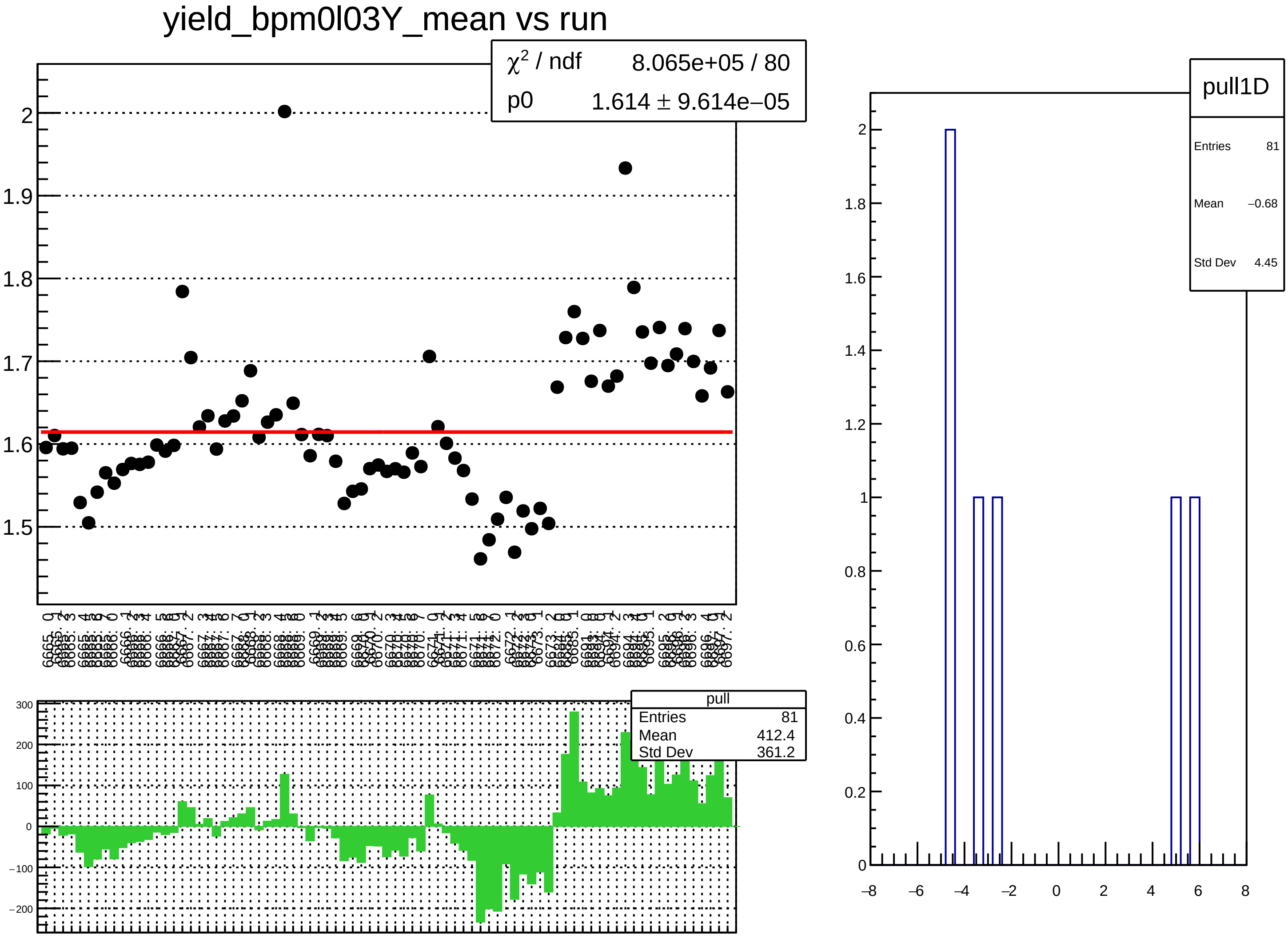


yield_bpm0l02Y_rms vs run
χ^2 / ndf 2.416e+05 / 80
p0 0.008004 ± 7.025e−06
0.06
0.05
0.04
0.03
0.02
0.01

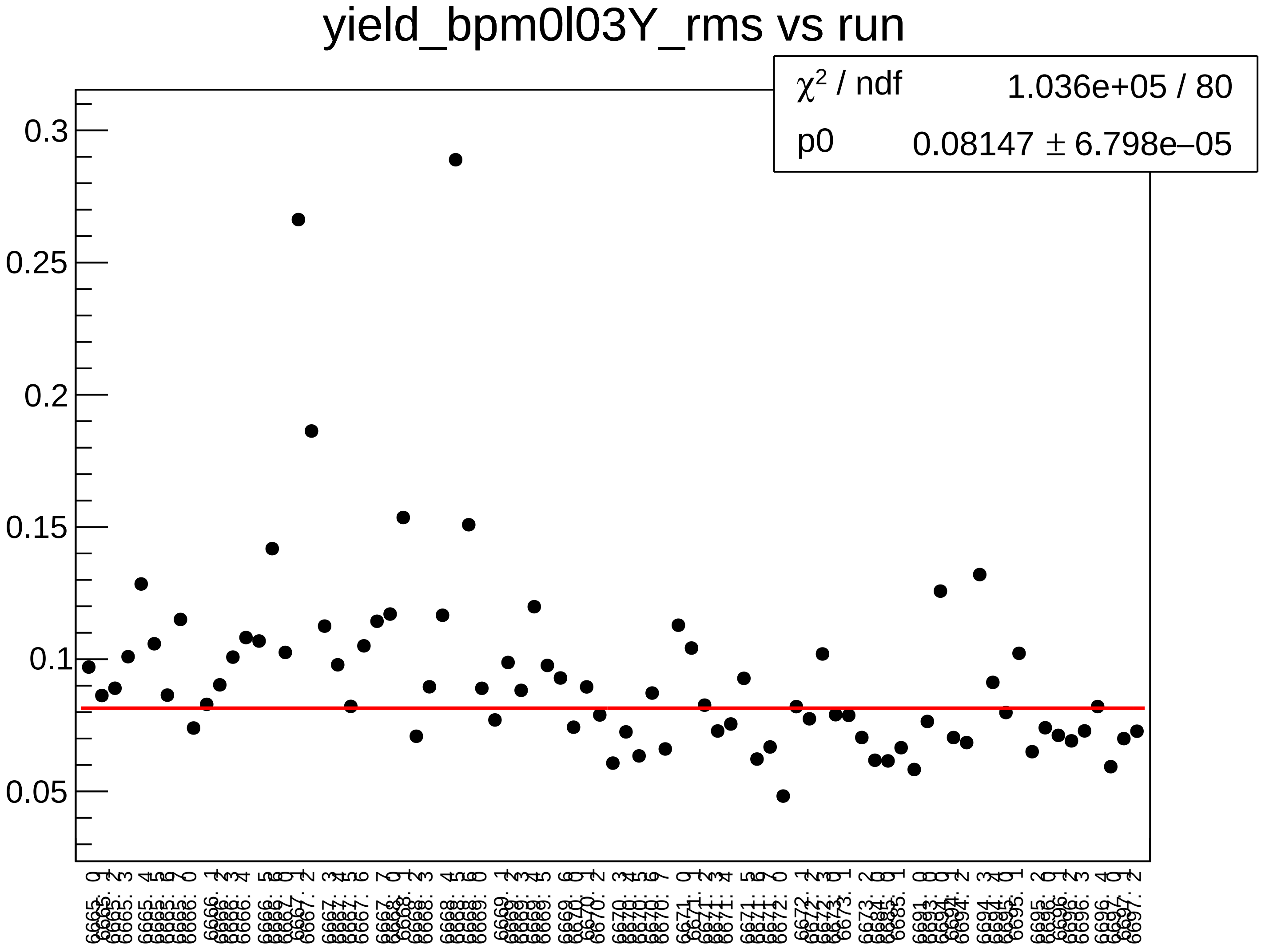

yield_bpm0l03X_mean vs run
χ^2 / ndf 9.641e+04 / 80
p0 −3.931 ± 9.015e−05
pull
Entries 81
Mean 181.2
Std Dev 144.1
pull1D
Entries 81
Mean −0.1067
Std Dev 4.302



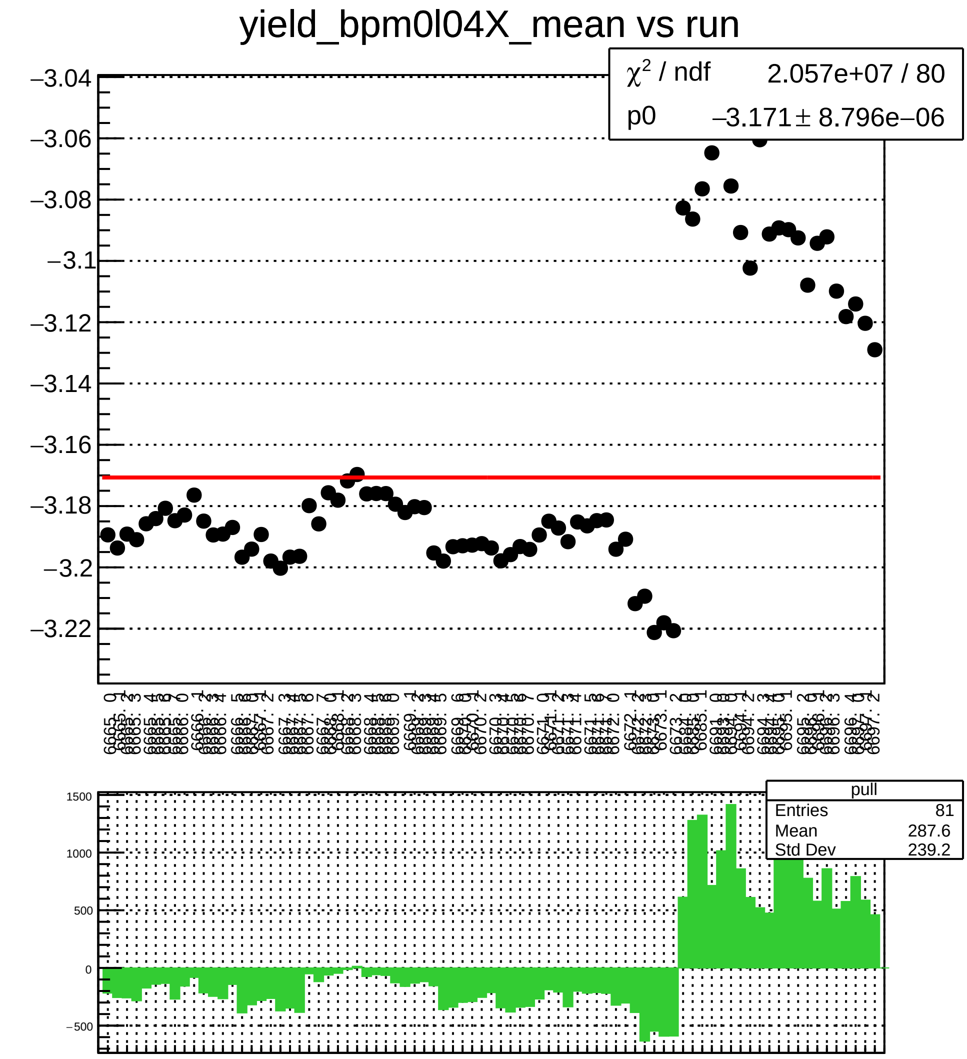
yield_bpm0l03X_rms vs run
χ^2 / ndf 1.107e+05 / 80
p0 0.0762 ± 6.374e−05
0.3
0.25
0.2
0.15
0.1
0.05



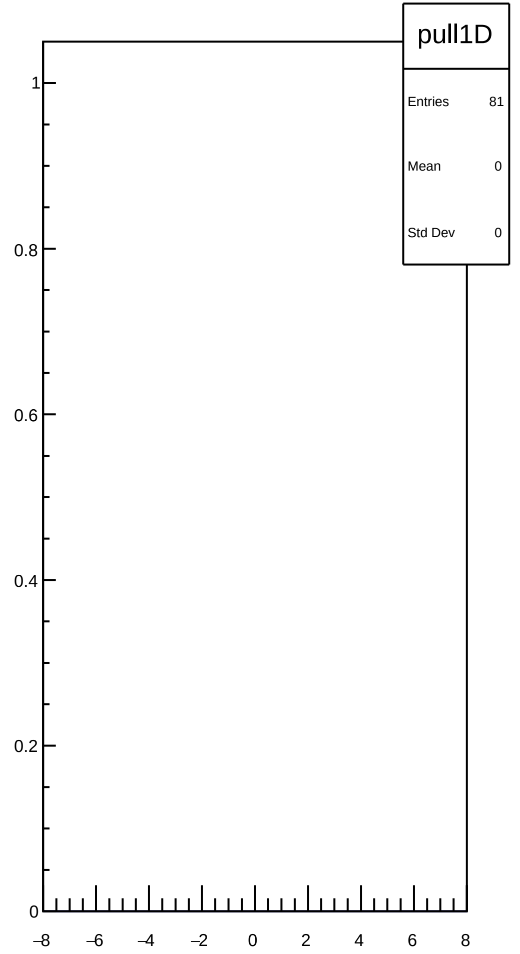
yield_bpm0l03Y_mean vs run
χ^2 / ndf 8.065e+05 / 80
p0 1.614 ± 9.614e−05
pull
Entries 81
Mean 412.4
Std Dev 361.2
pull1D
Entries 81
Mean −0.68
Std Dev 4.45



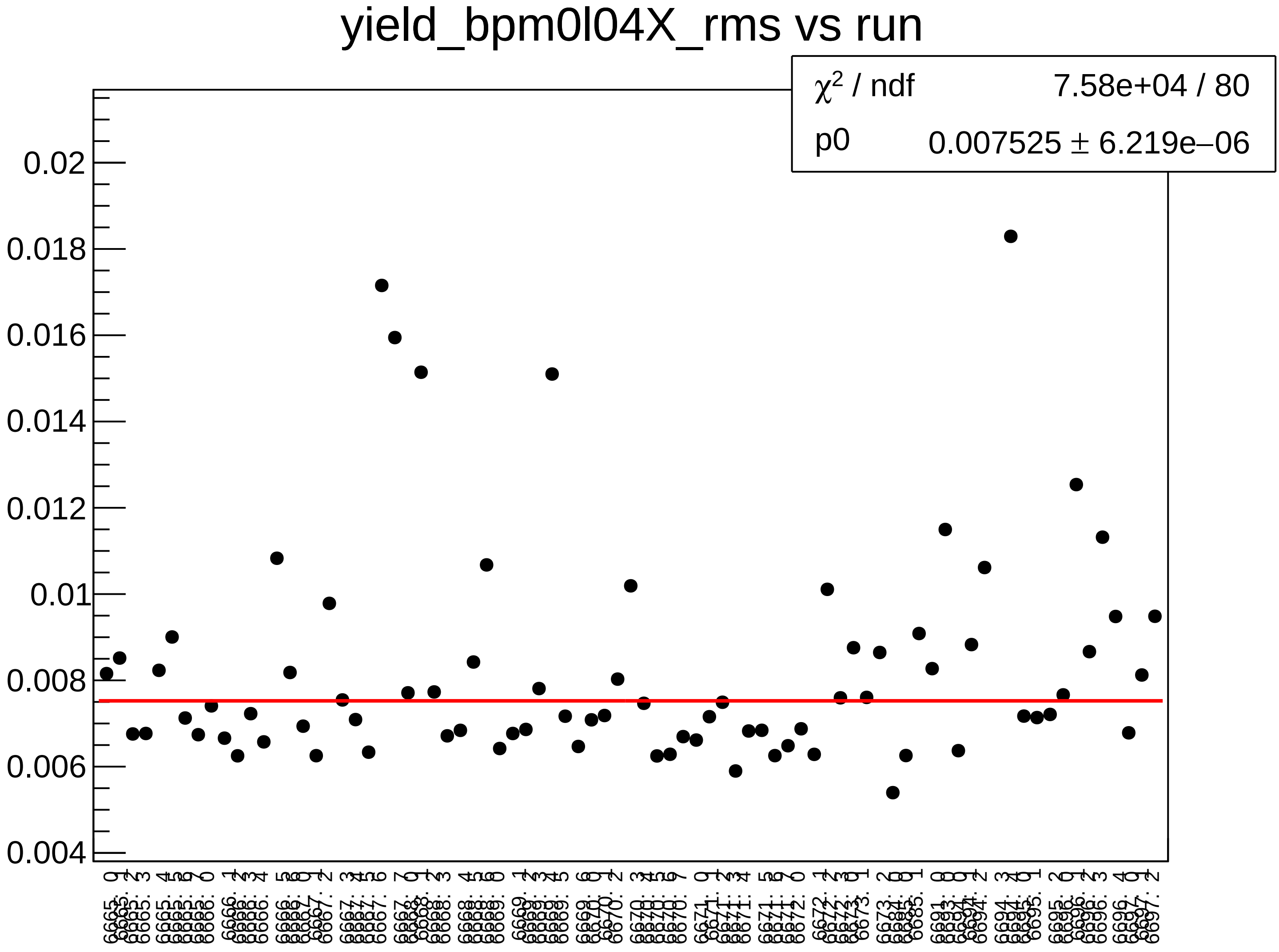
yield_bpm0l03Y_rms vs run
χ^2 / ndf 1.036e+05 / 80
p0 0.08147 ± 6.798e−05
0.3
0.25
0.2
0.15
0.1
0.05

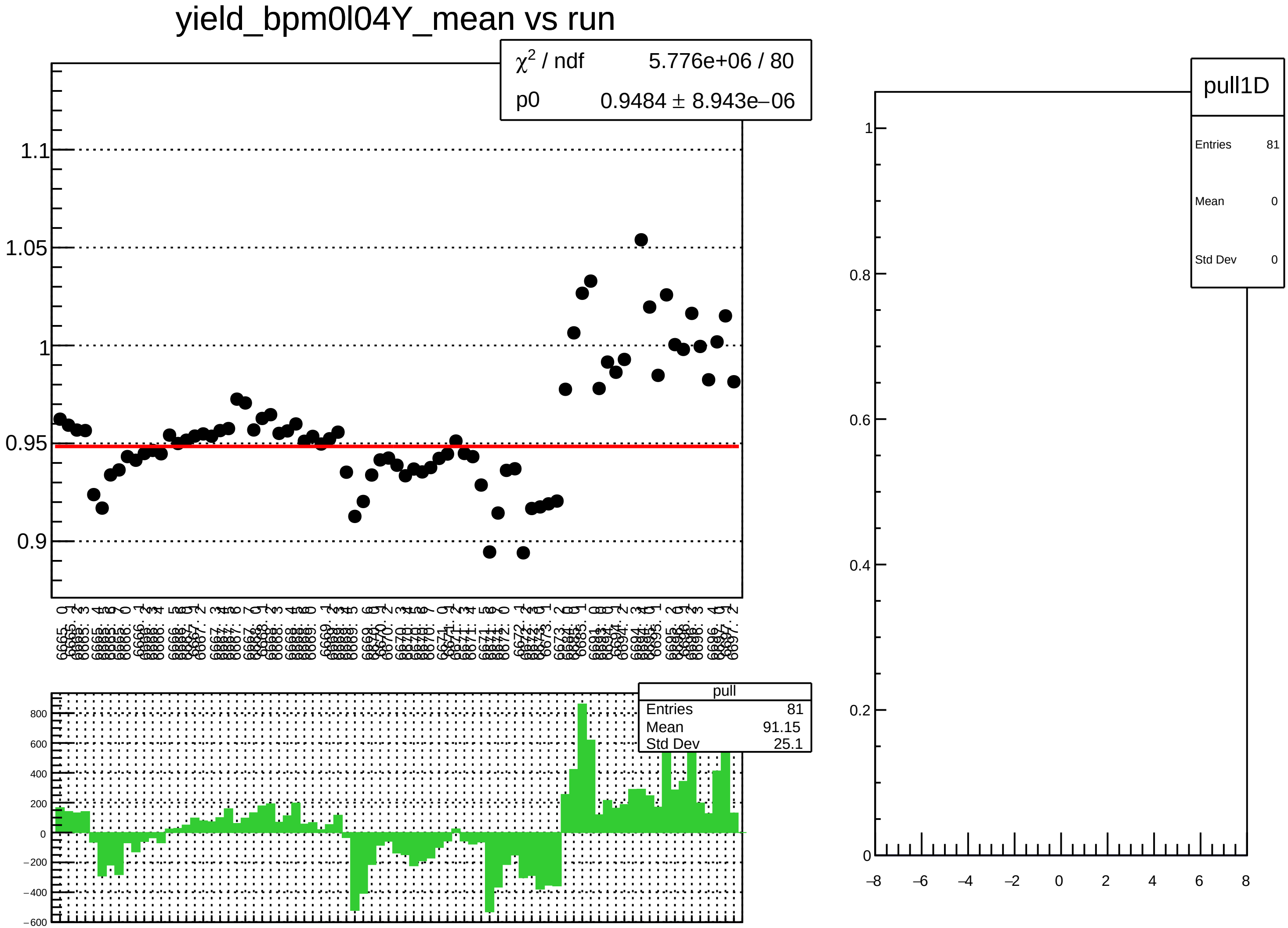


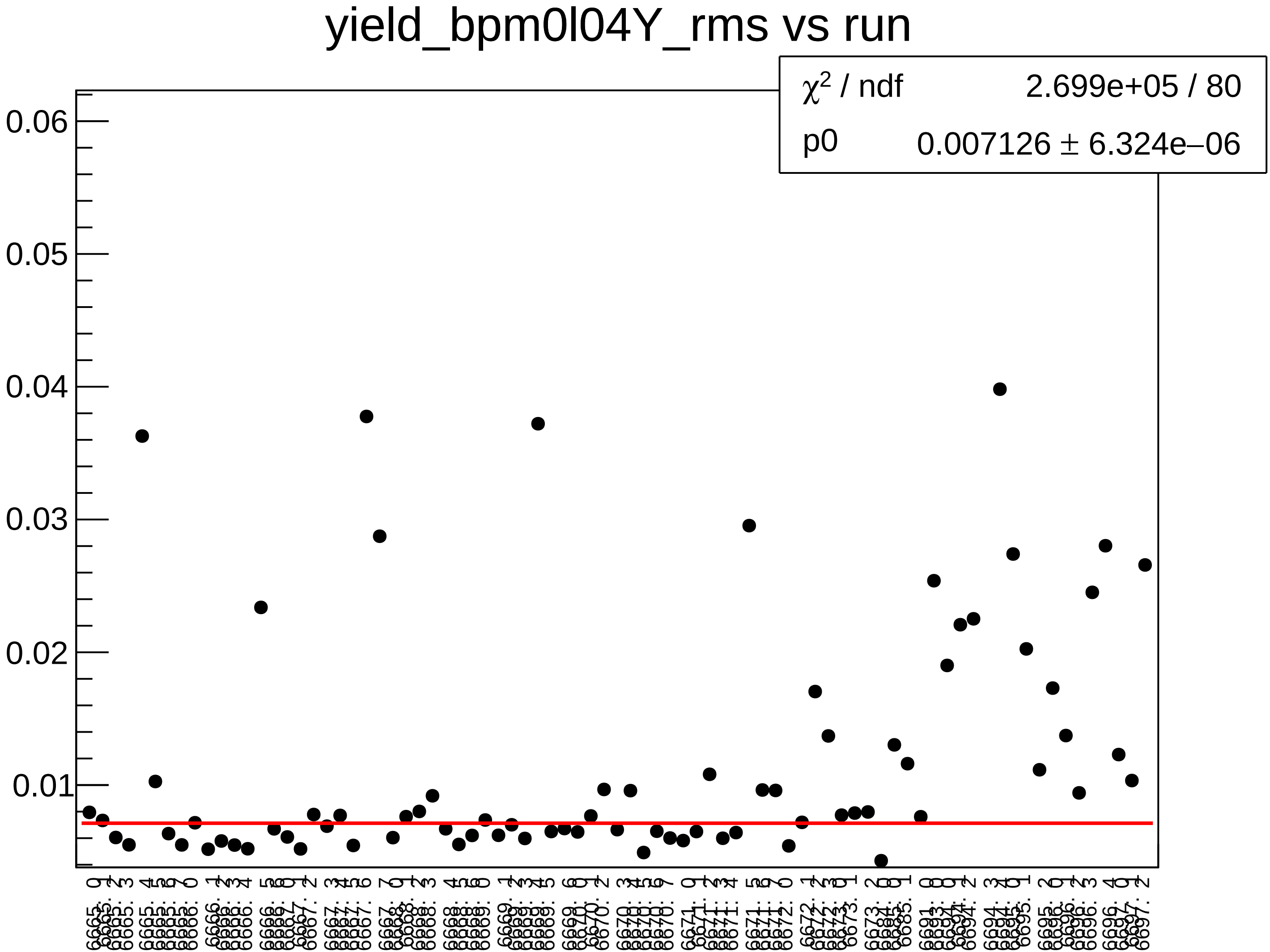
yield_bpm0l04X_mean vs run
χ^2 / ndf 2.057e+07 / 80
p0 −3.171 ± 8.796e−06
pull
Entries 81
Mean 287.6
Std Dev 239.2



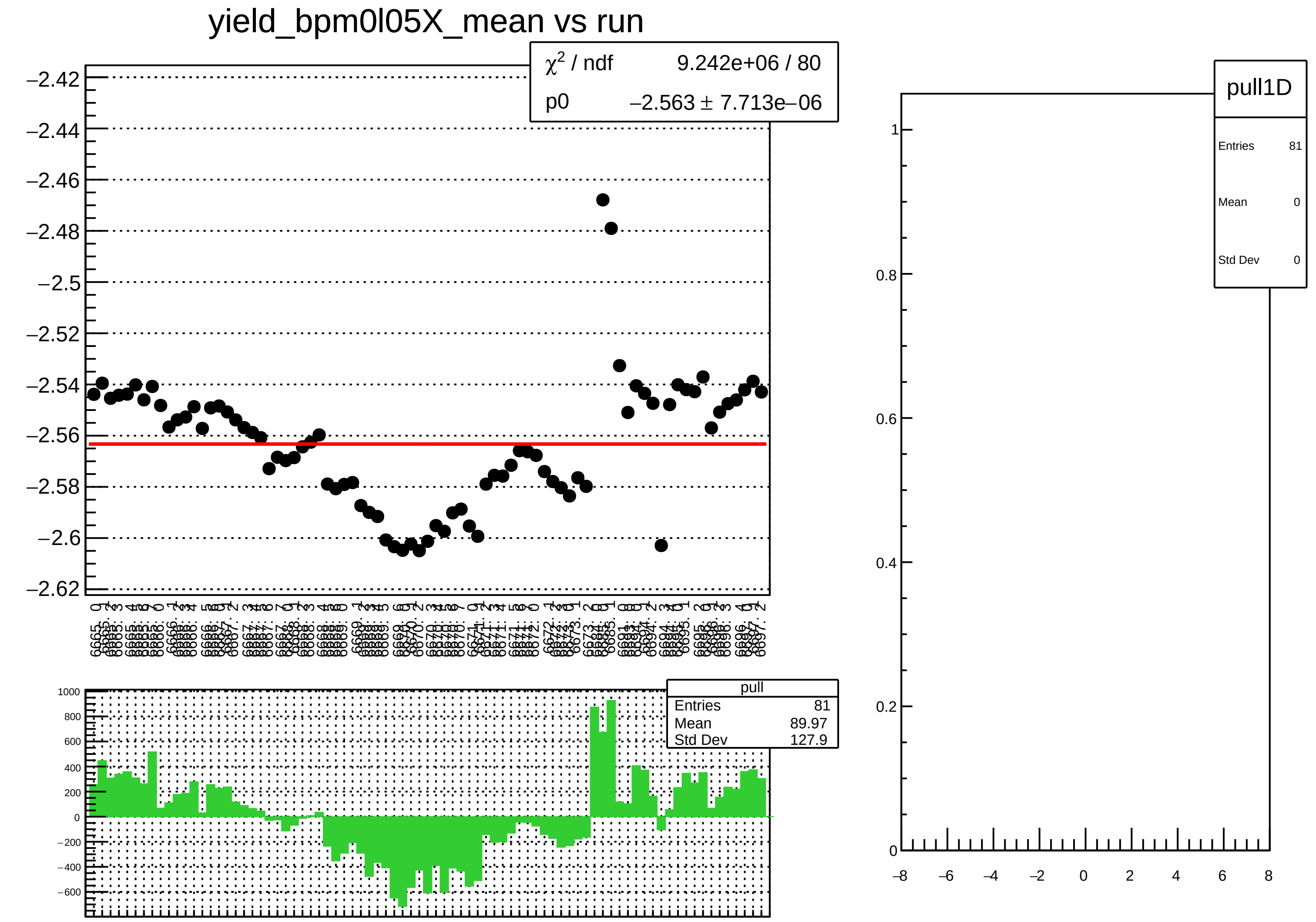
pull1D
Entries 81
Mean 0
Std Dev 0

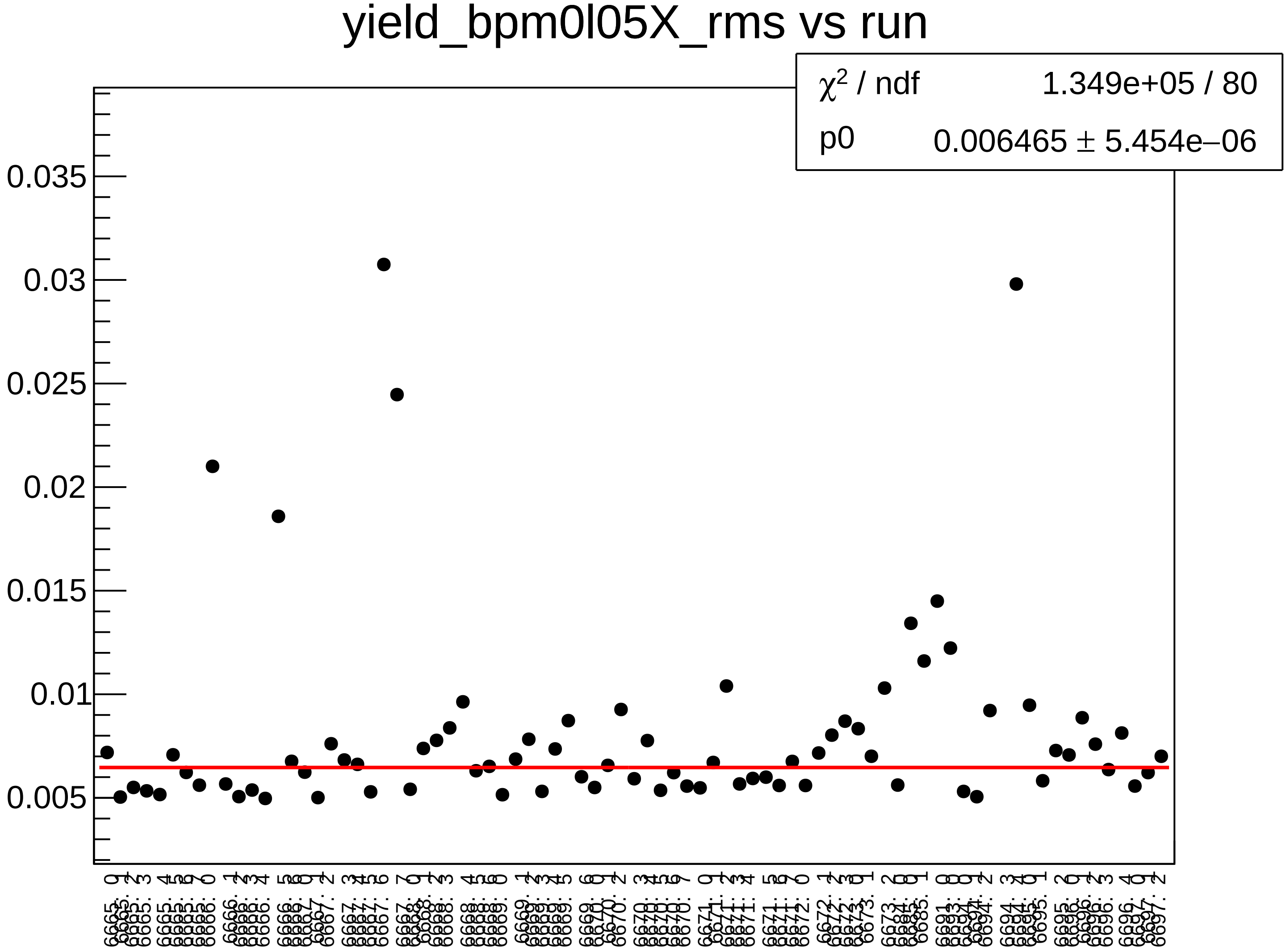

yield_bpm0l04X_rms vs run
χ^2 / ndf 7.58e+04 / 80
p0 0.007525 ± 6.219e−06


yield_bpm0l04Y_mean vs run
χ^2 / ndf 5.776e+06 / 80
p0 0.9484 ± 8.943e−06
pull
Entries 81
Mean 91.15
Std Dev 25.1
pull1D
Entries 81
Mean 0
Std Dev 0

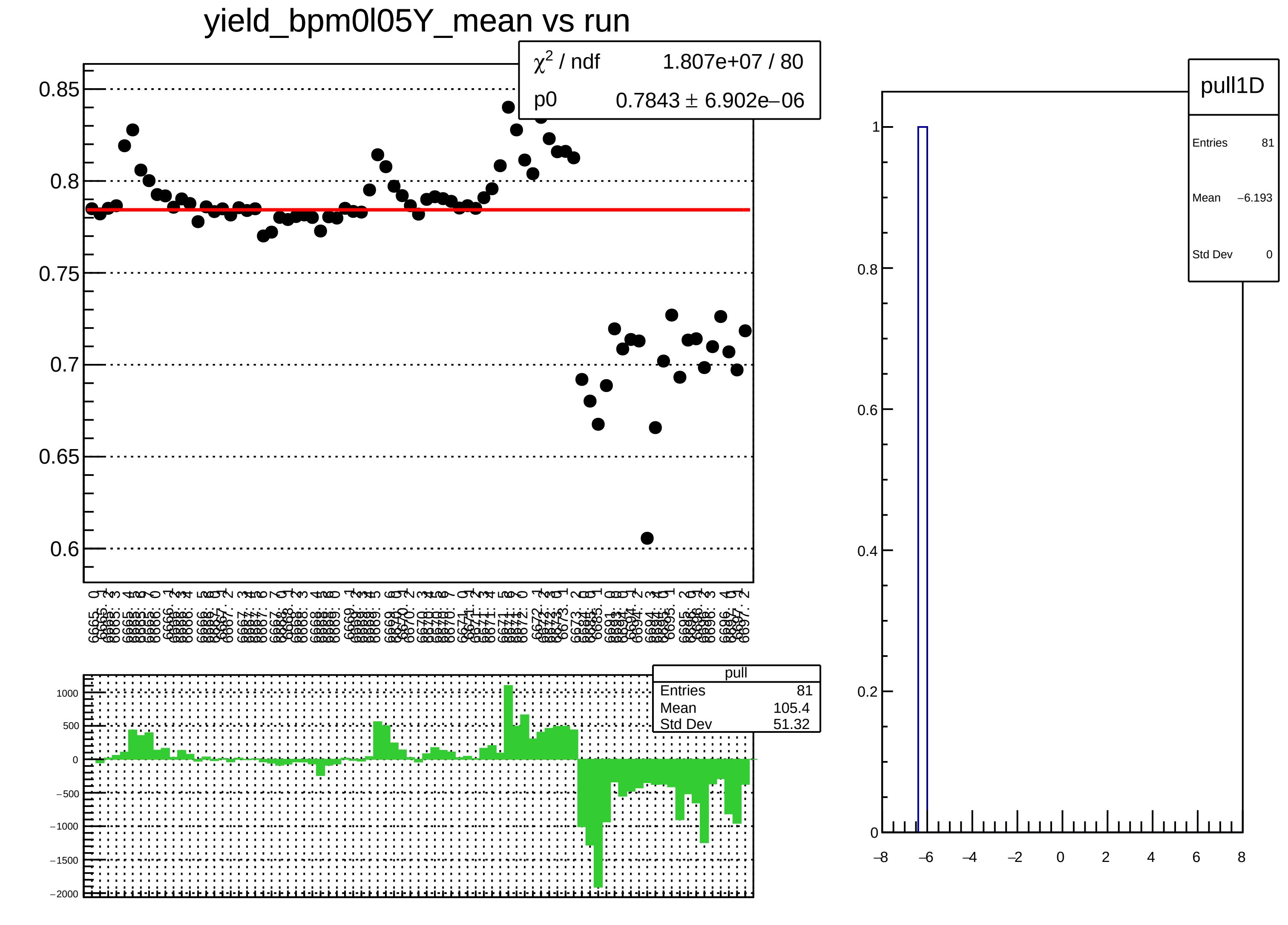


yield_bpm0l04Y_rms vs run
χ^2 / ndf 2.699e+05 / 80
p0 0.007126 ± 6.324e−06
0.06
0.05
0.04
0.03
0.02
0.01

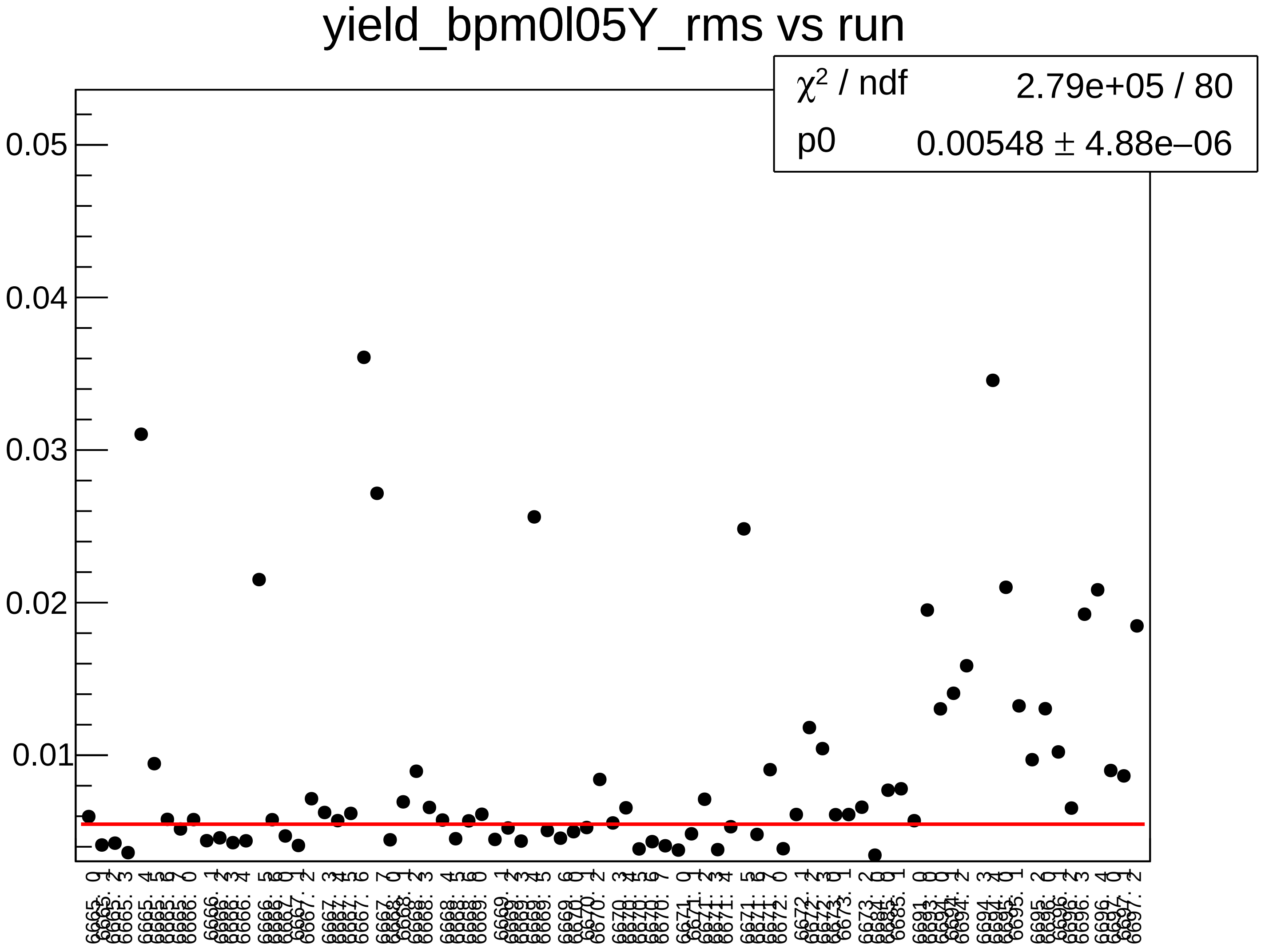

yield_bpm0l05X_mean vs run
χ^2 / ndf 9.242e+06 / 80
p0 −2.563 ± 7.713e−06
pull
Entries 81
Mean 89.97
Std Dev 127.9
pull1D
Entries 81
Mean 0
Std Dev 0



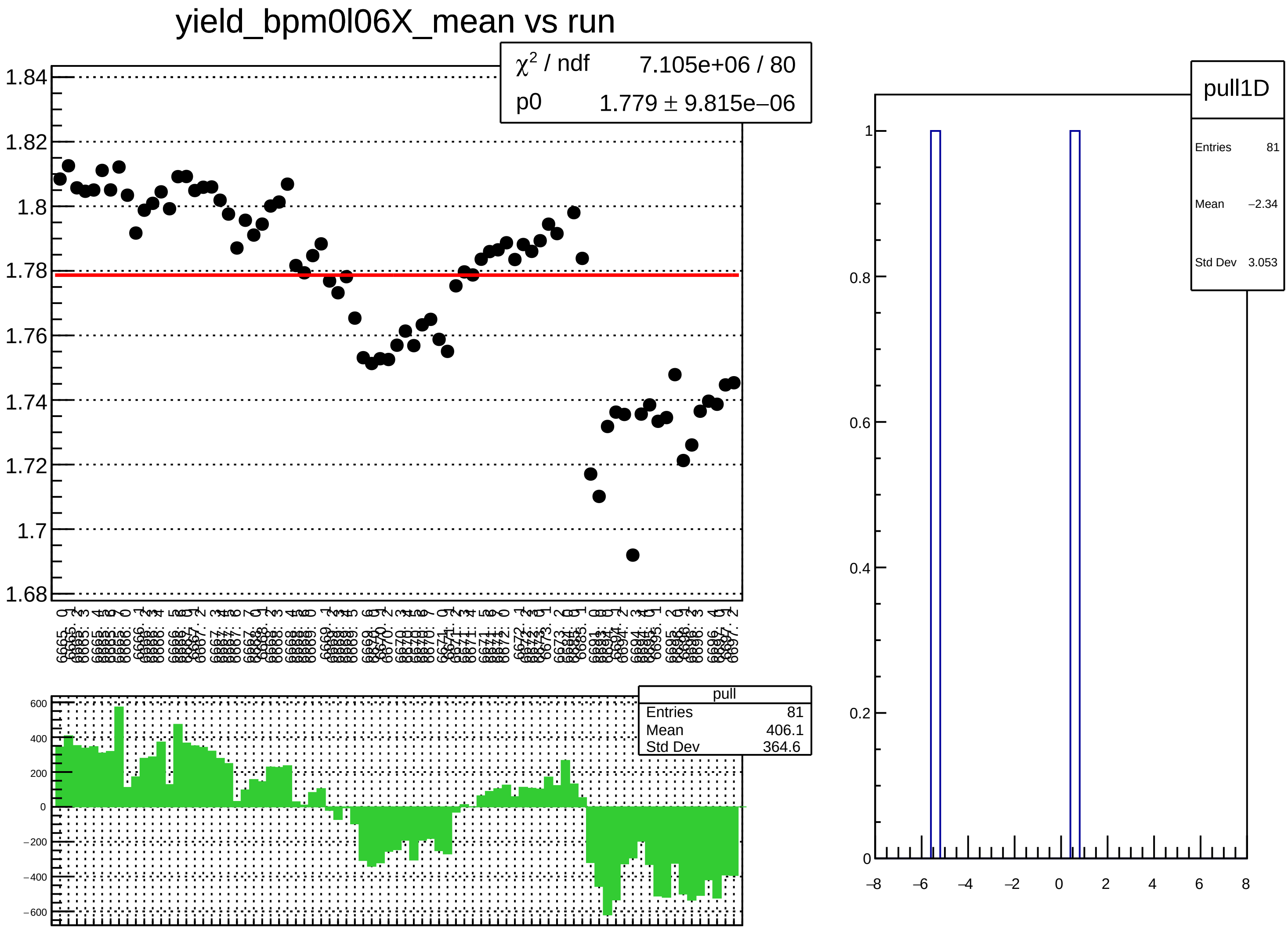
yield_bpm0l05X_rms vs run
χ2 / ndf 1.349e+05 / 80
p0 0.006465 ± 5.454e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

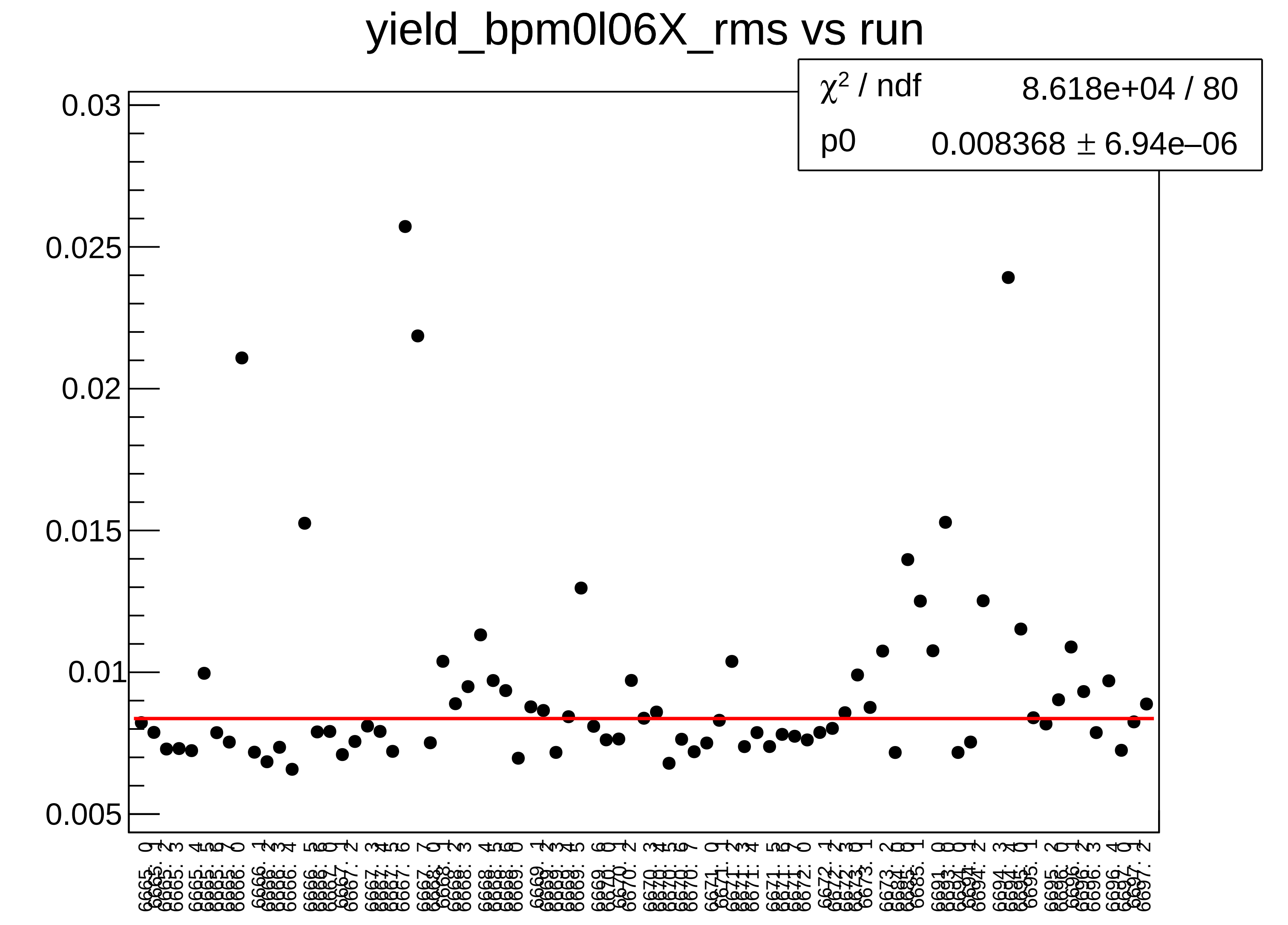


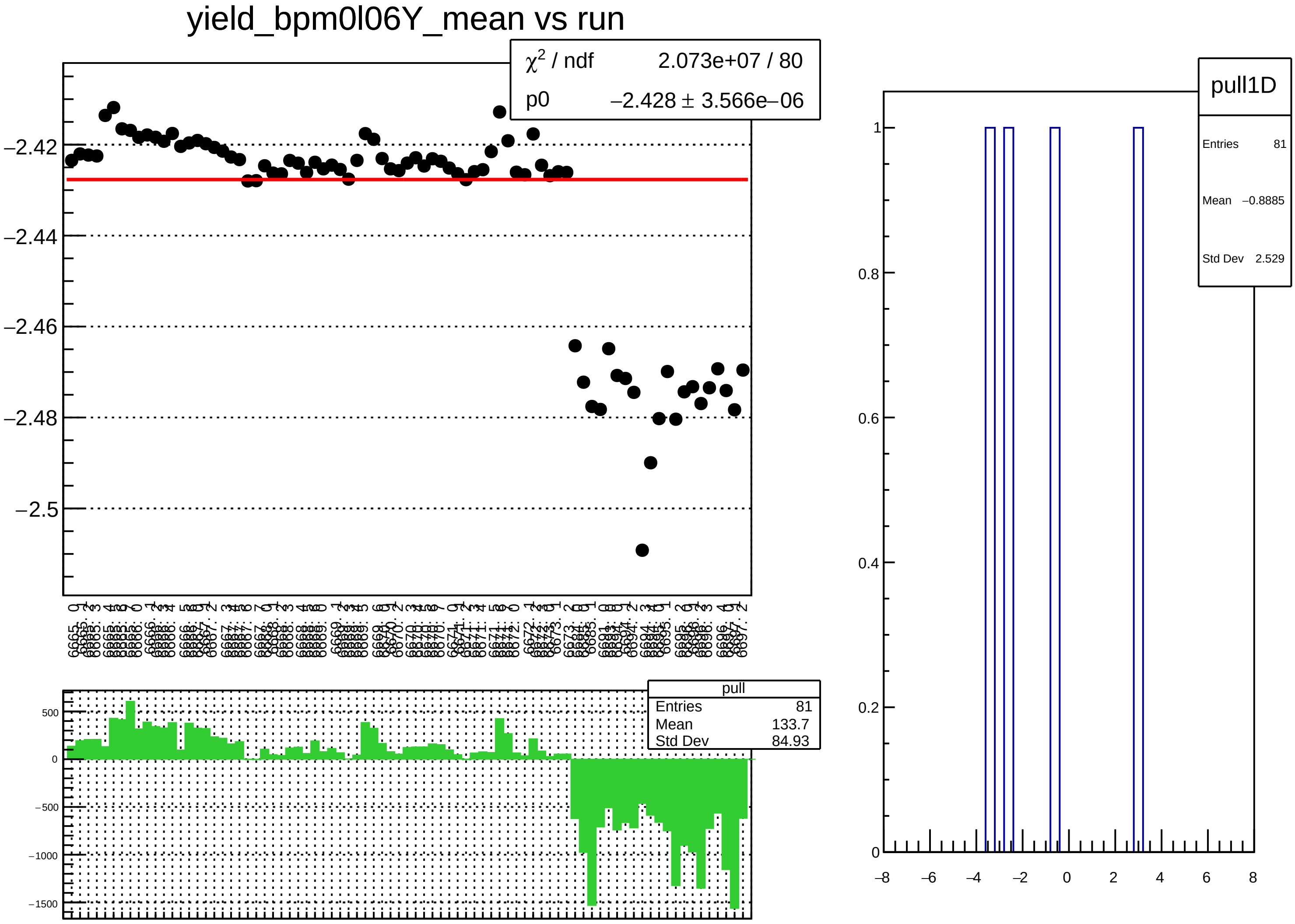
yield_bpm0l05Y_mean vs run
χ^2 / ndf 1.807e+07 / 80
p0 0.7843 ± 6.902e−06
pull
Entries 81
Mean 105.4
Std Dev 51.32
pull1D
Entries 81
Mean −6.193
Std Dev 0

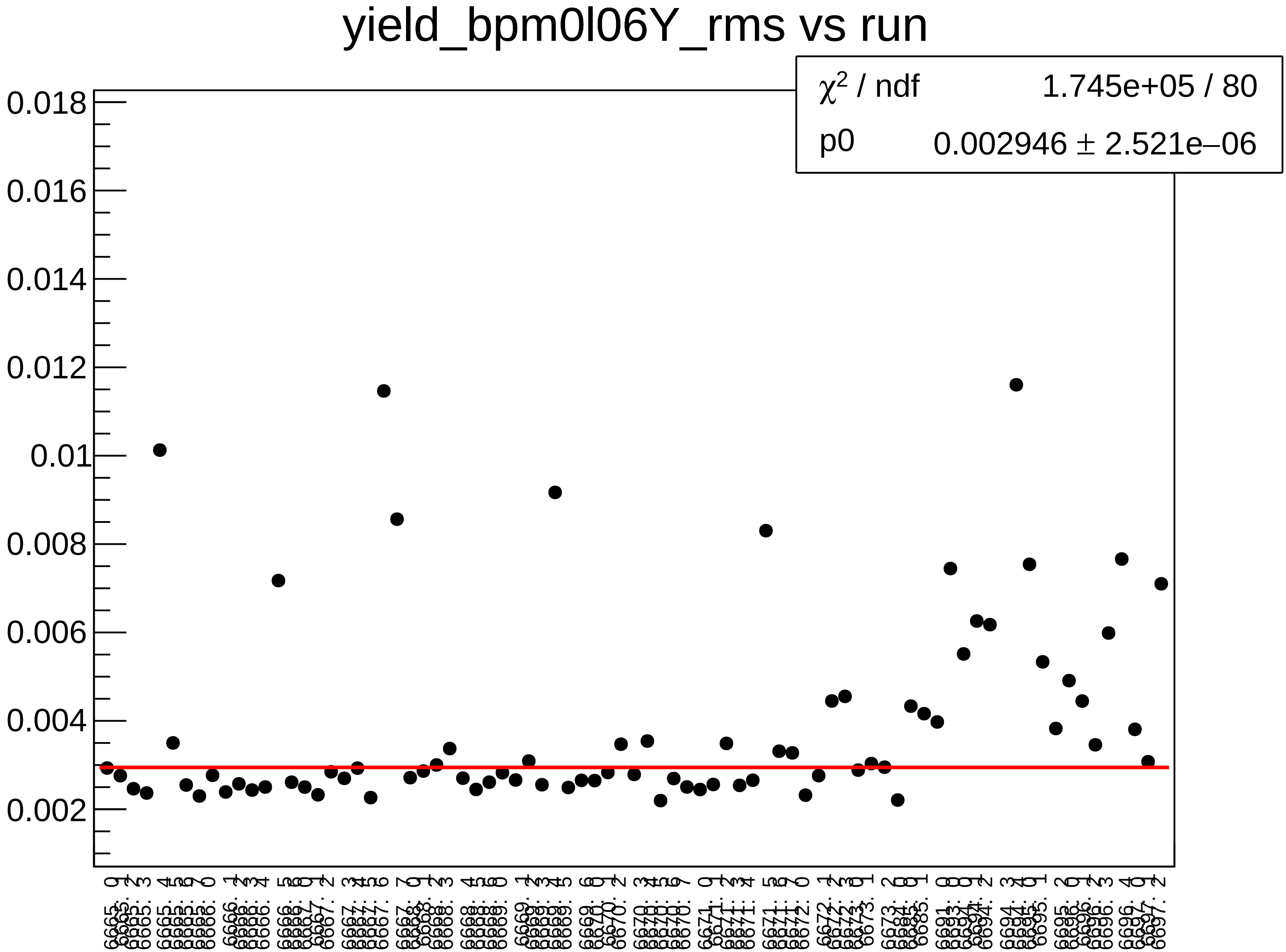


yield_bpm0l05Y_rms vs run
χ^2 / ndf 2.79e+05 / 80
p0 0.00548 ± 4.88e−06
0.05
0.04
0.03
0.02
0.01

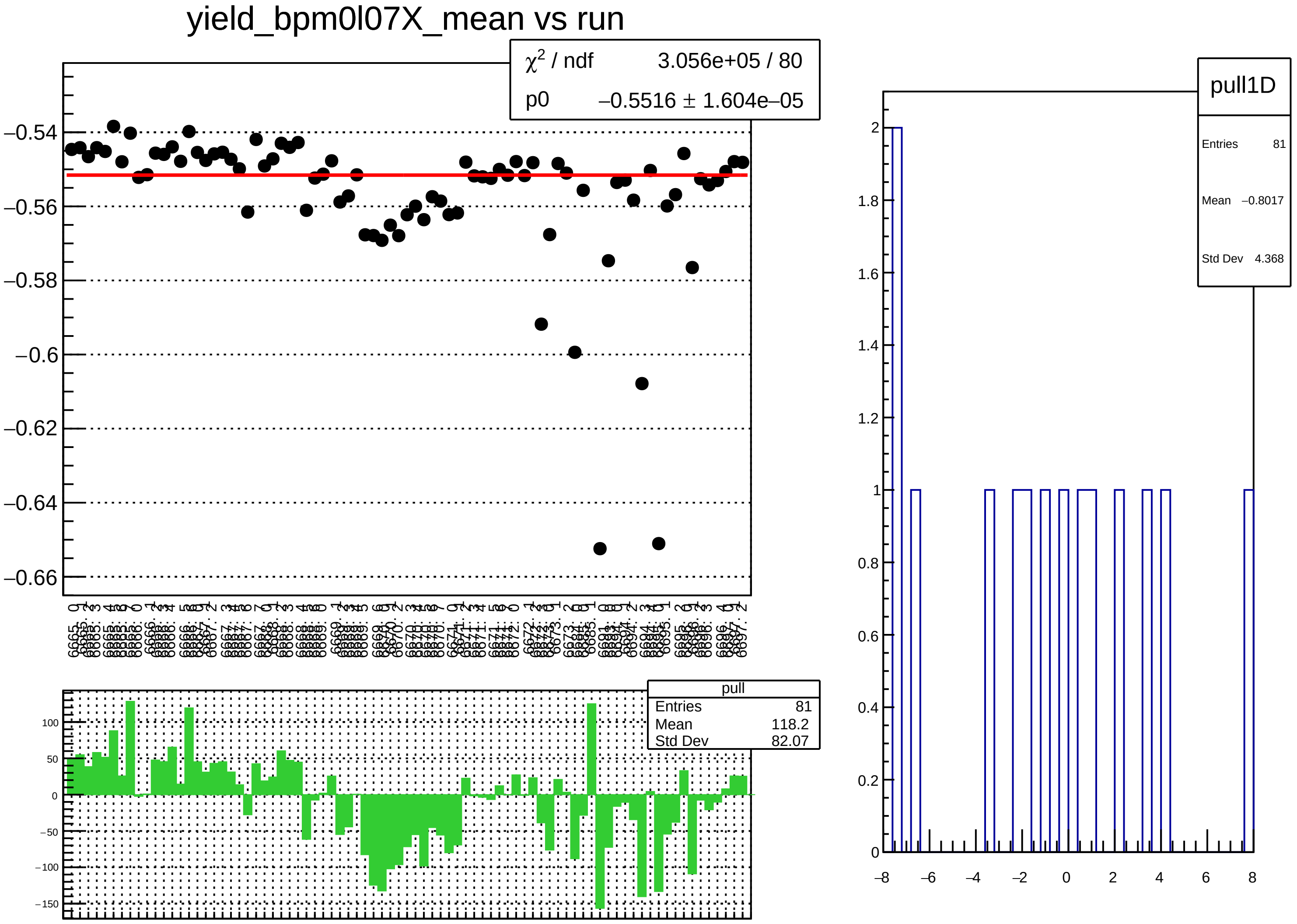

yield_bpm0l06X_mean vs run
χ^2 / ndf 7.105e+06 / 80
p0 1.779 ± 9.815e−06
1.84
1.82
1.8
1.78
1.76
1.74
1.72
1.7
1.68
pull
Entries 81
Mean 406.1
Std Dev 364.6
600
400
200
0
−200
−400
−600
pull1D
Entries 81
Mean −2.34
Std Dev 3.053
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0l06X_rms vs run
χ2 / ndf 8.618e+04 / 80
p0 0.008368 ± 6.94e−06
0.03
0.025
0.02
0.015
0.01
0.005

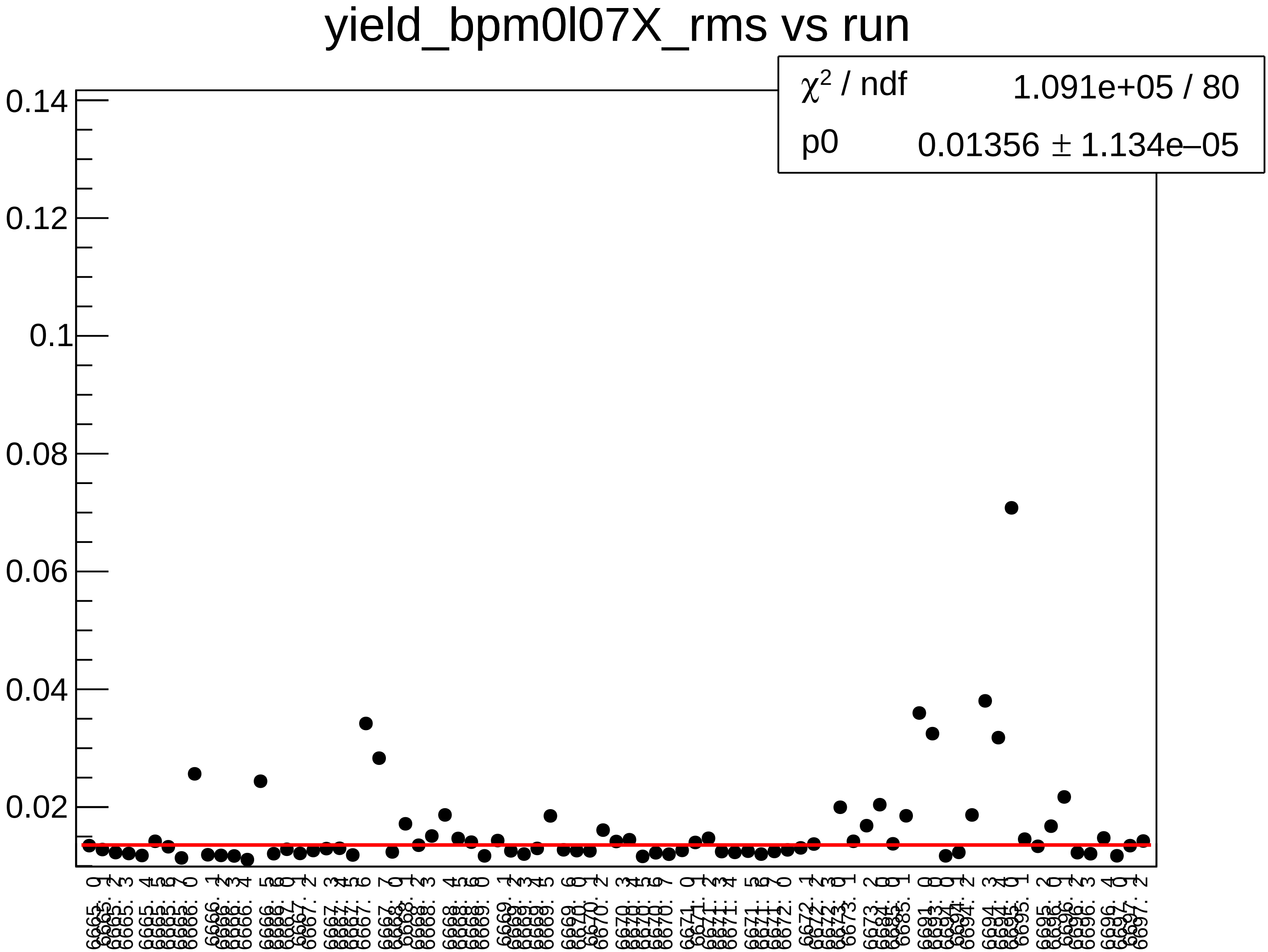

yield_bpm0l06Y_mean vs run
χ^2 / ndf 2.073e+07 / 80
p0 −2.428 ± 3.566e−06
−2.42
−2.44
−2.46
−2.48
−2.5
pull
Entries 81
Mean 133.7
Std Dev 84.93
500
0
−500
−1000
−1500
pull1D
Entries 81
Mean −0.8885
Std Dev 2.529
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



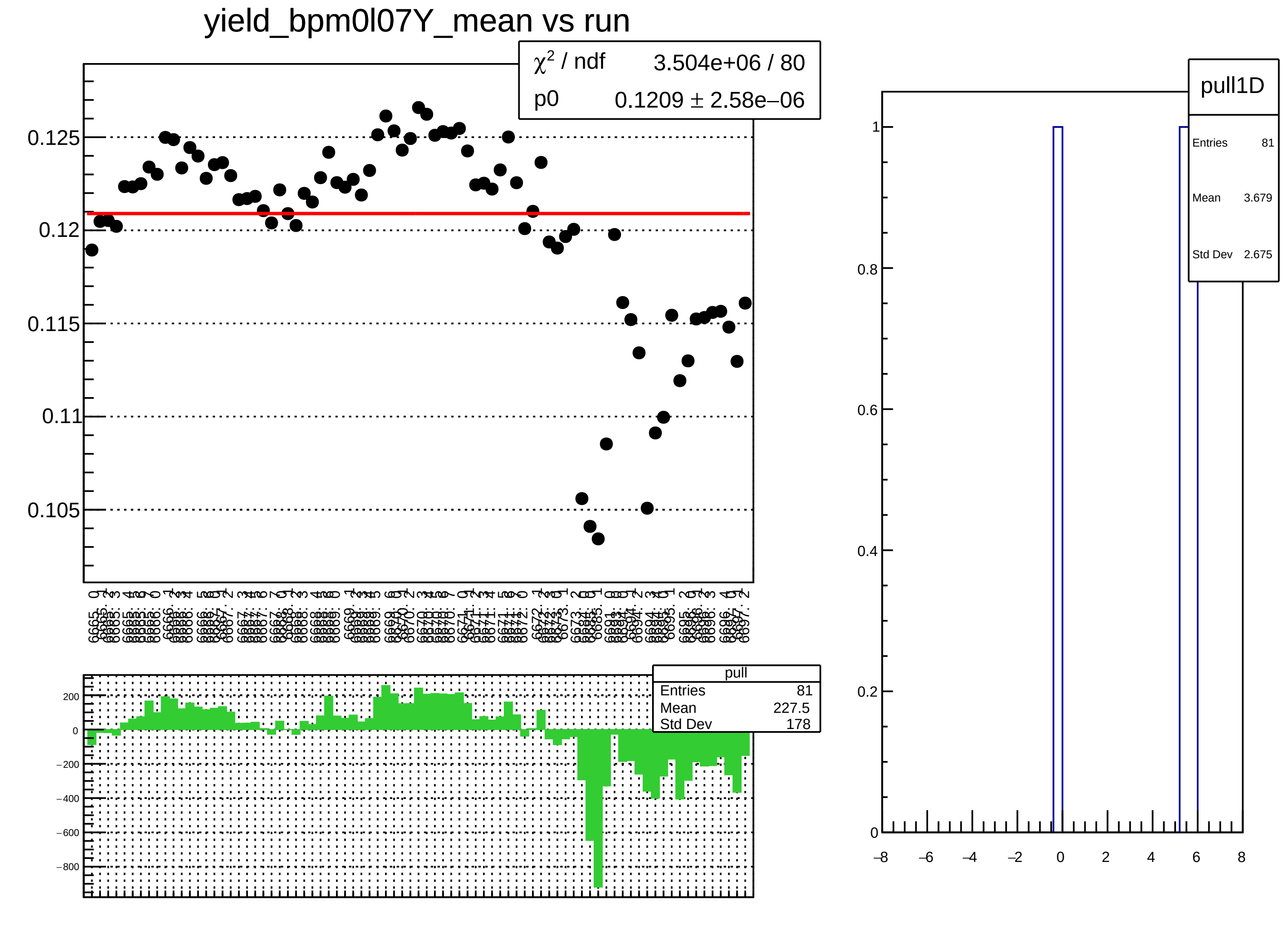
yield_bpm0l06Y_rms vs run
χ^2 / ndf 1.745e+05 / 80
p0 0.002946 ± 2.521e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

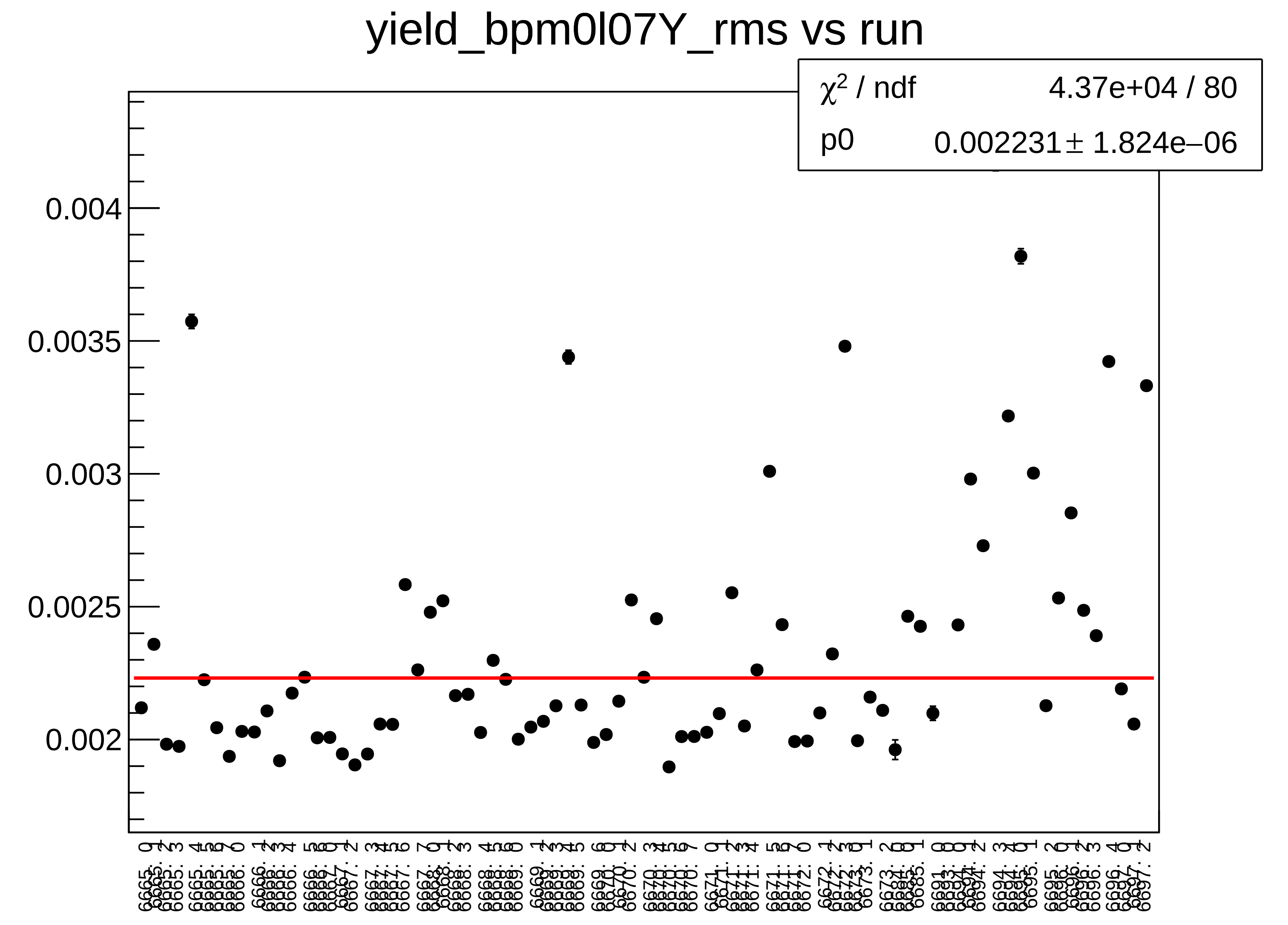


yield_bpm0l07X_mean vs run
χ2 / ndf 3.056e+05 / 80
p0 −0.5516 ± 1.604e−05
pull
Entries 81
Mean 118.2
Std Dev 82.07
pull1D
Entries 81
Mean −0.8017
Std Dev 4.368

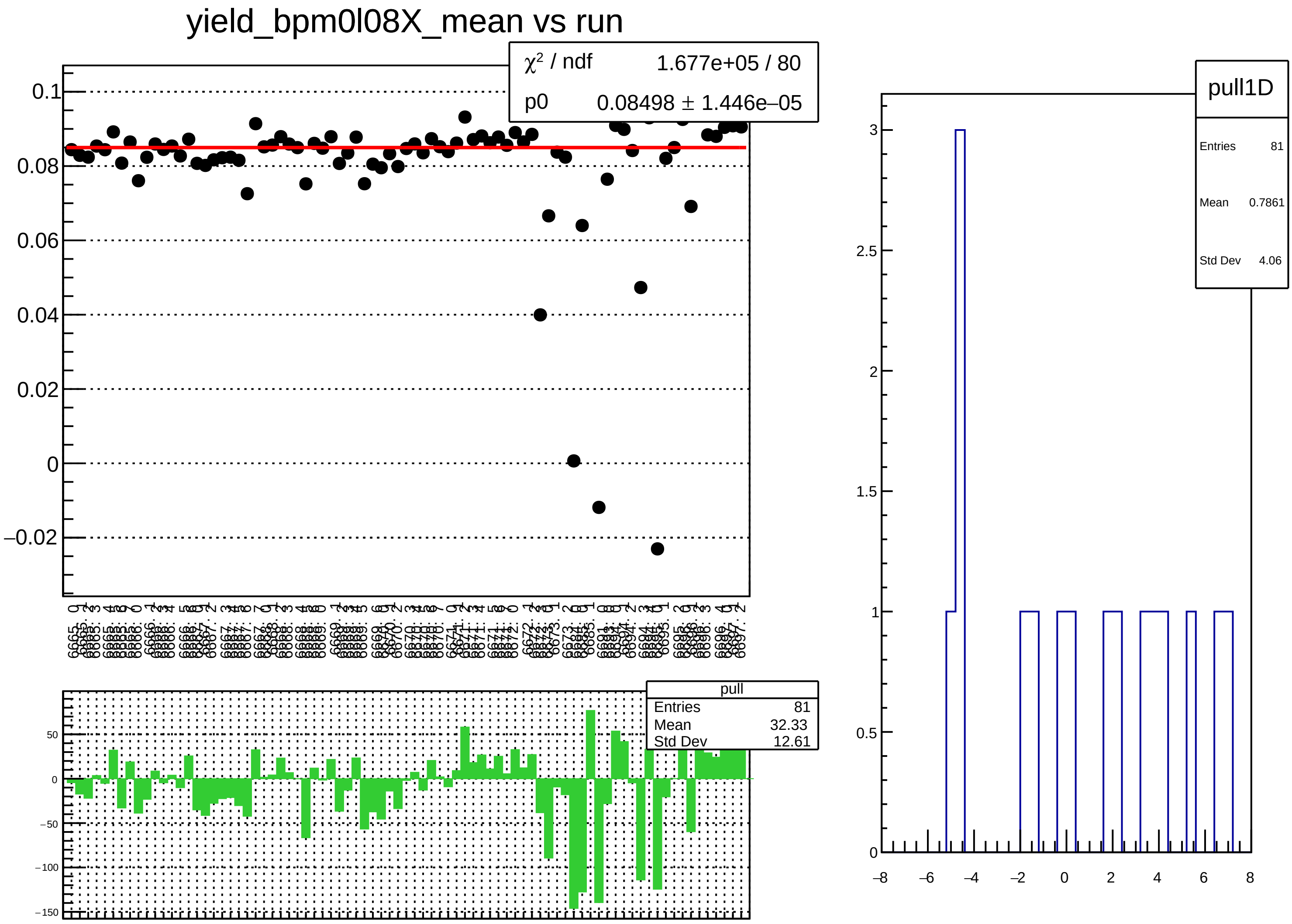


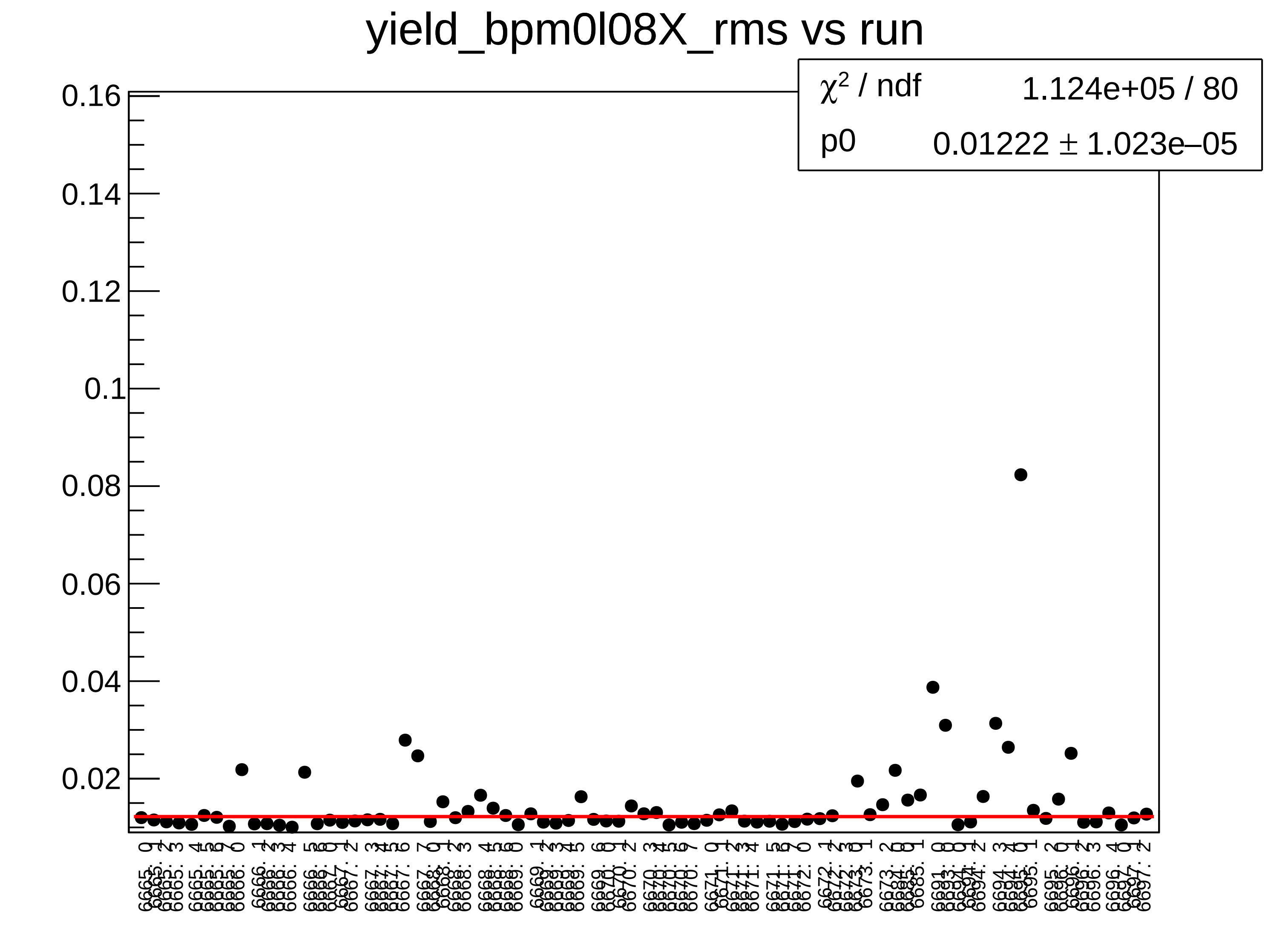
yield_bpm0l07X_rms vs run
χ^2 / ndf 1.091e+05 / 80
p0 0.01356 ± 1.134e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

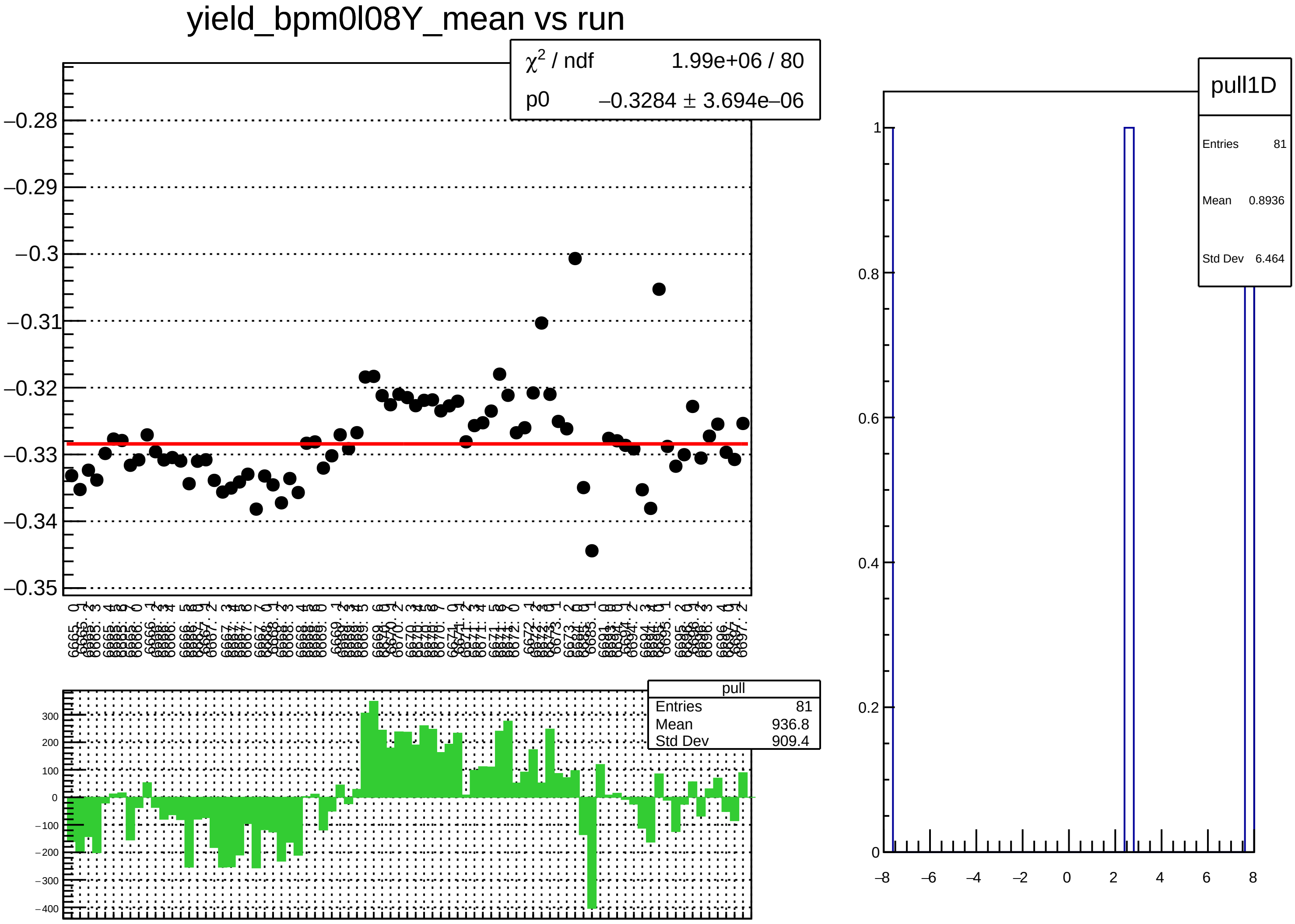

yield_bpm0l07Y_mean vs run
χ^2 / ndf 3.504e+06 / 80
p0 0.1209 ± 2.58e−06
0.125
0.12
0.115
0.11
0.105
pull
Entries 81
Mean 227.5
Std Dev 178
200
0
−200
−400
−600
−800
pull1D
Entries 81
Mean 3.679
Std Dev 2.675
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



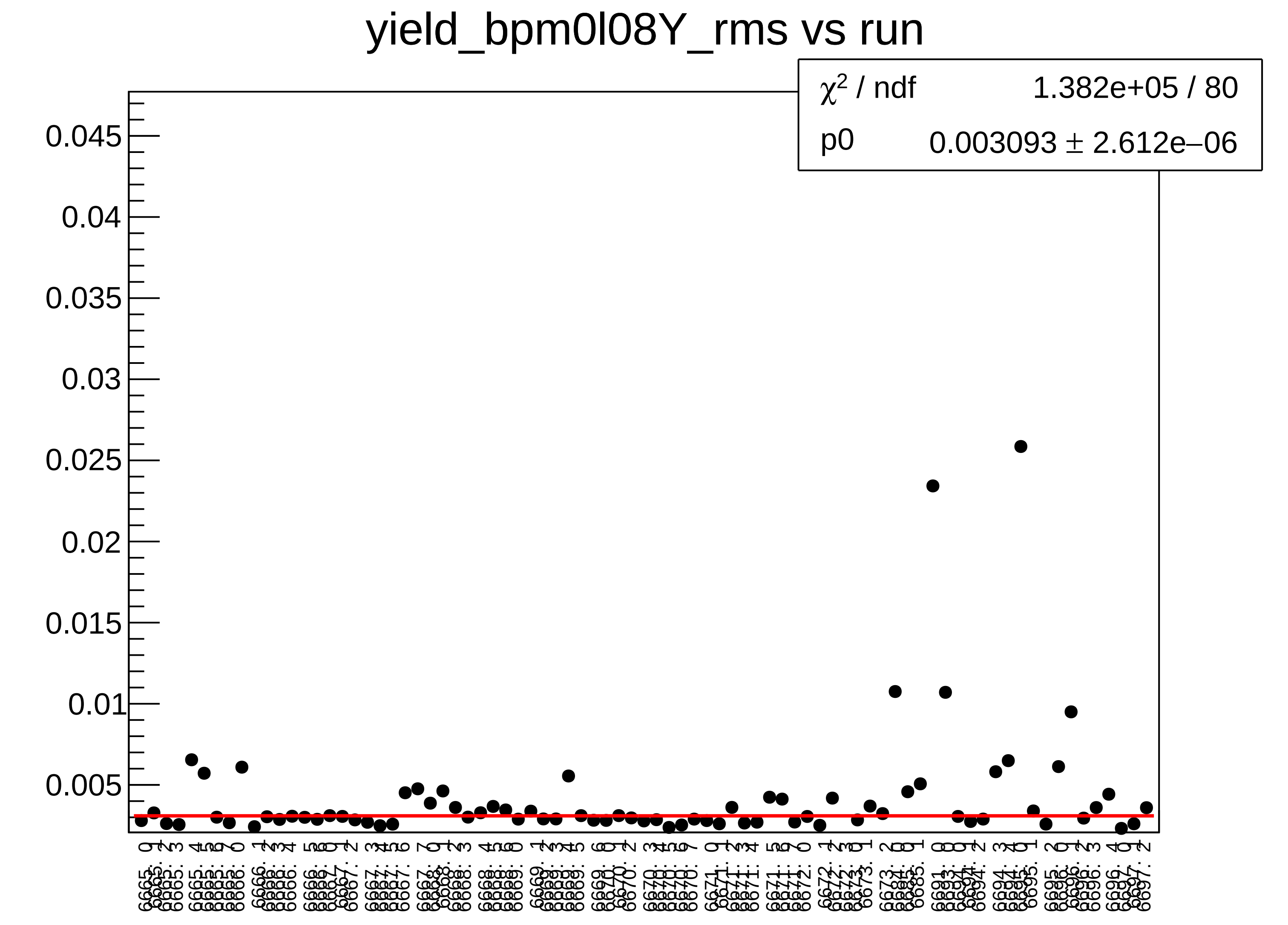
yield_bpm0l07Y_rms vs run
χ^2 / ndf 4.37e+04 / 80
p0 0.002231 ± 1.824e−06
0.004
0.0035
0.003
0.0025
0.002


yield_bpm0l08X_mean vs run
χ^2 / ndf 1.677e+05 / 80
p0 0.08498 ± 1.446e−05
pull
Entries 81
Mean 32.33
Std Dev 12.61
pull1D
Entries 81
Mean 0.7861
Std Dev 4.06

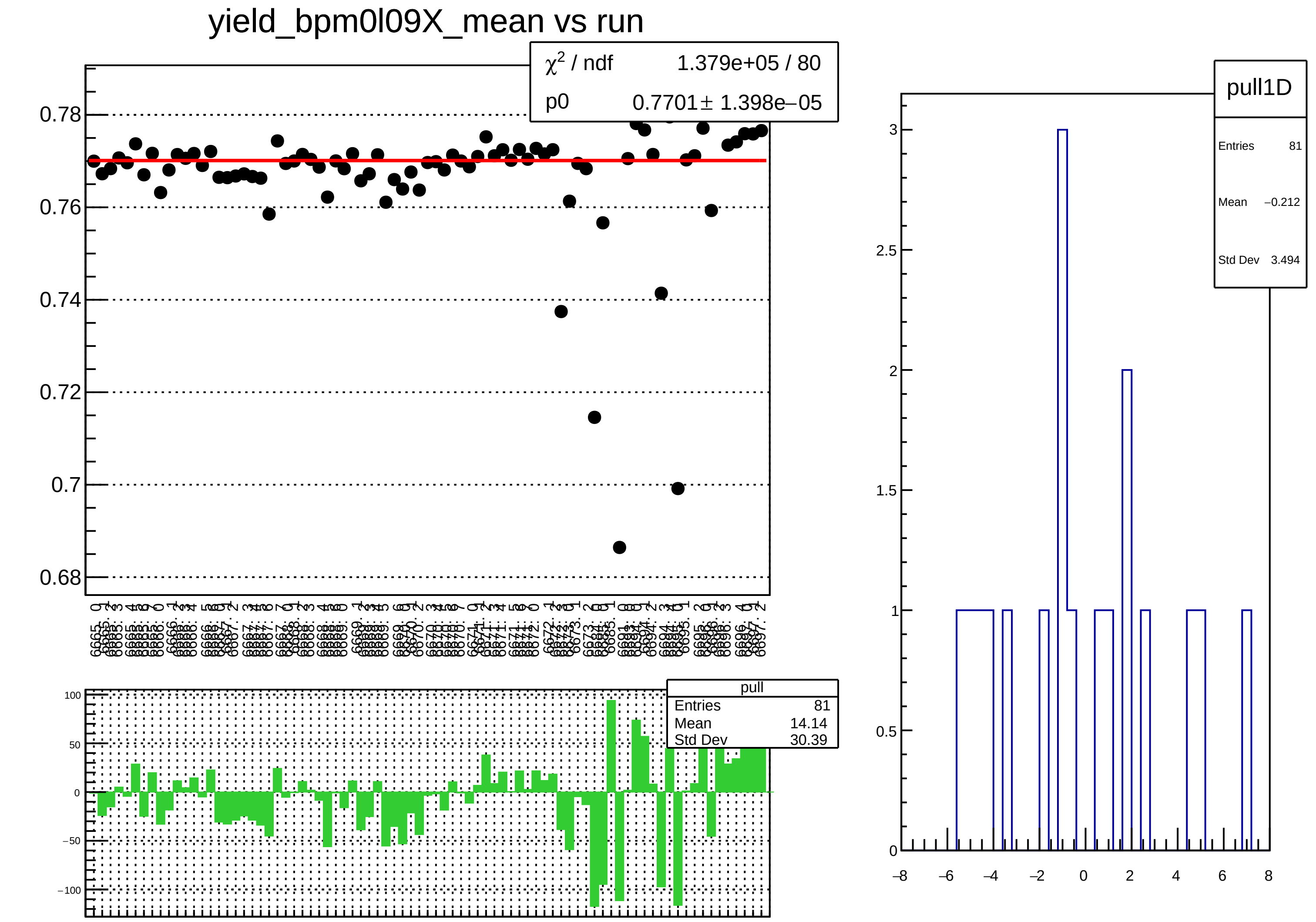

yield_bpm0l08X_rms vs run
χ2 / ndf 1.124e+05 / 80
p0 0.01222 ± 1.023e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02



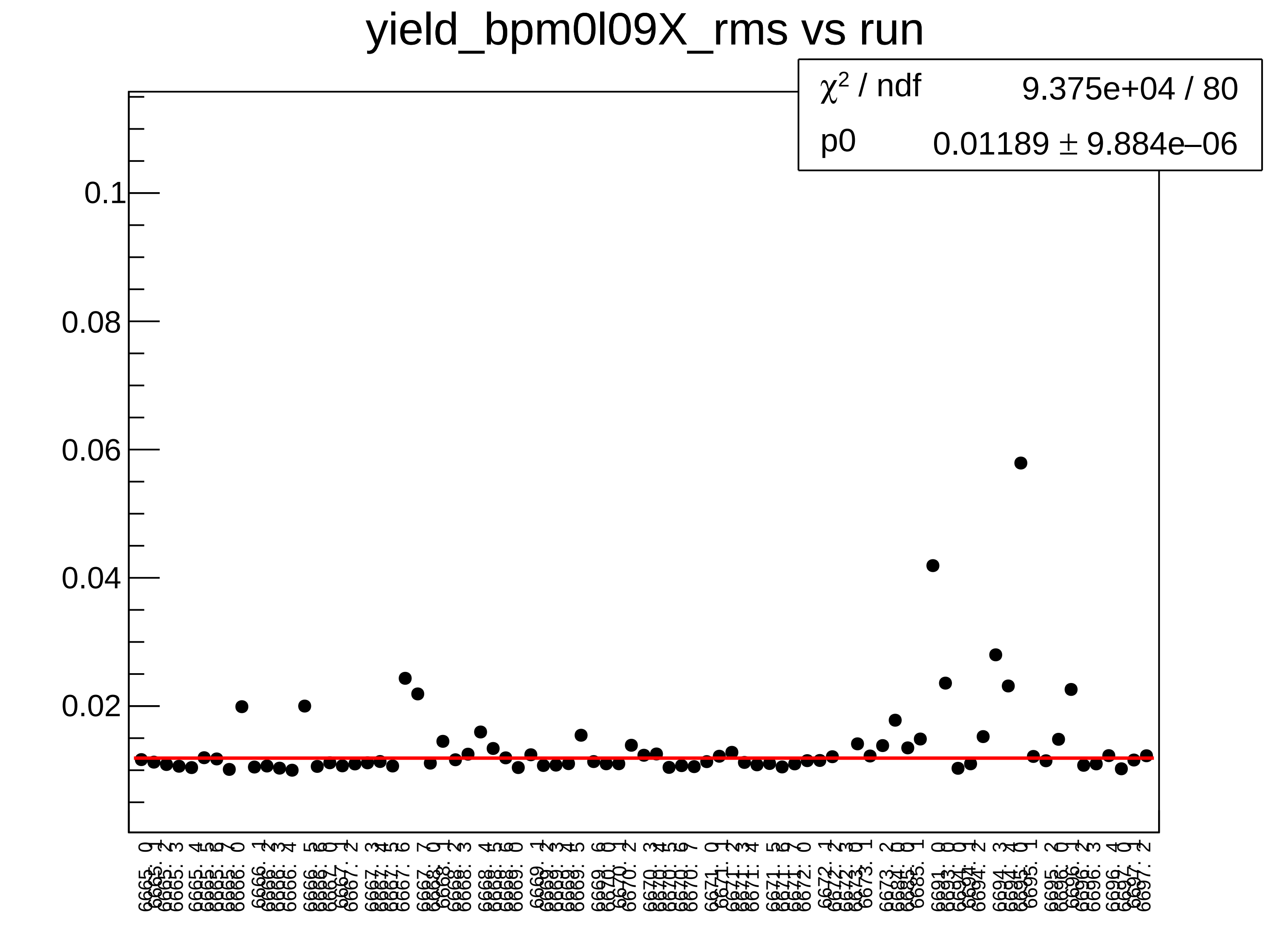
yield_bpm0l08Y_mean vs run
χ^2 / ndf 1.99e+06 / 80
p0 −0.3284 ± 3.694e−06
pull
Entries 81
Mean 936.8
Std Dev 909.4
pull1D
Entries 81
Mean 0.8936
Std Dev 6.464



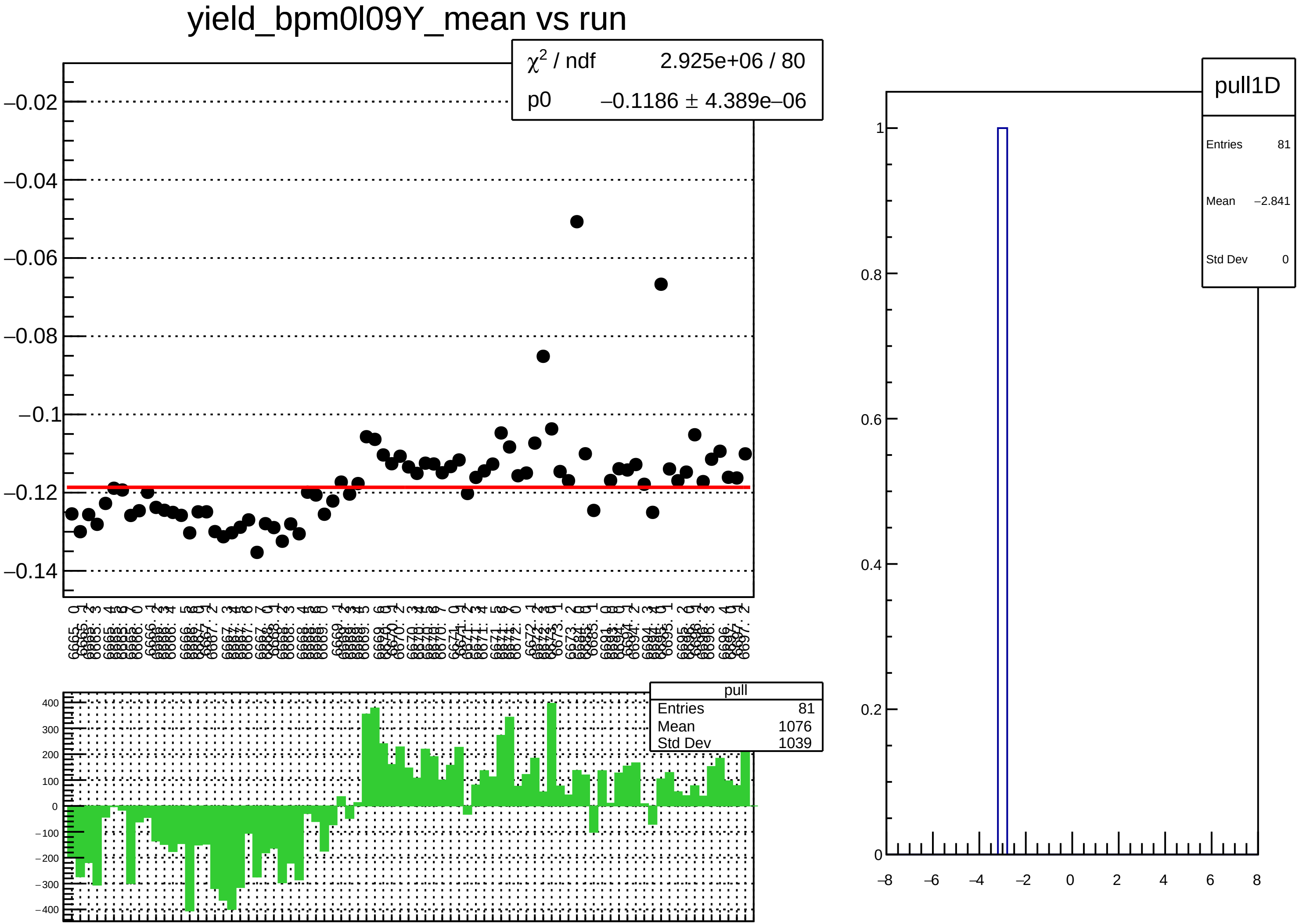
yield_bpm0l08Y_rms vs run
χ^2 / ndf 1.382e+05 / 80
p0 0.003093 ± 2.612e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

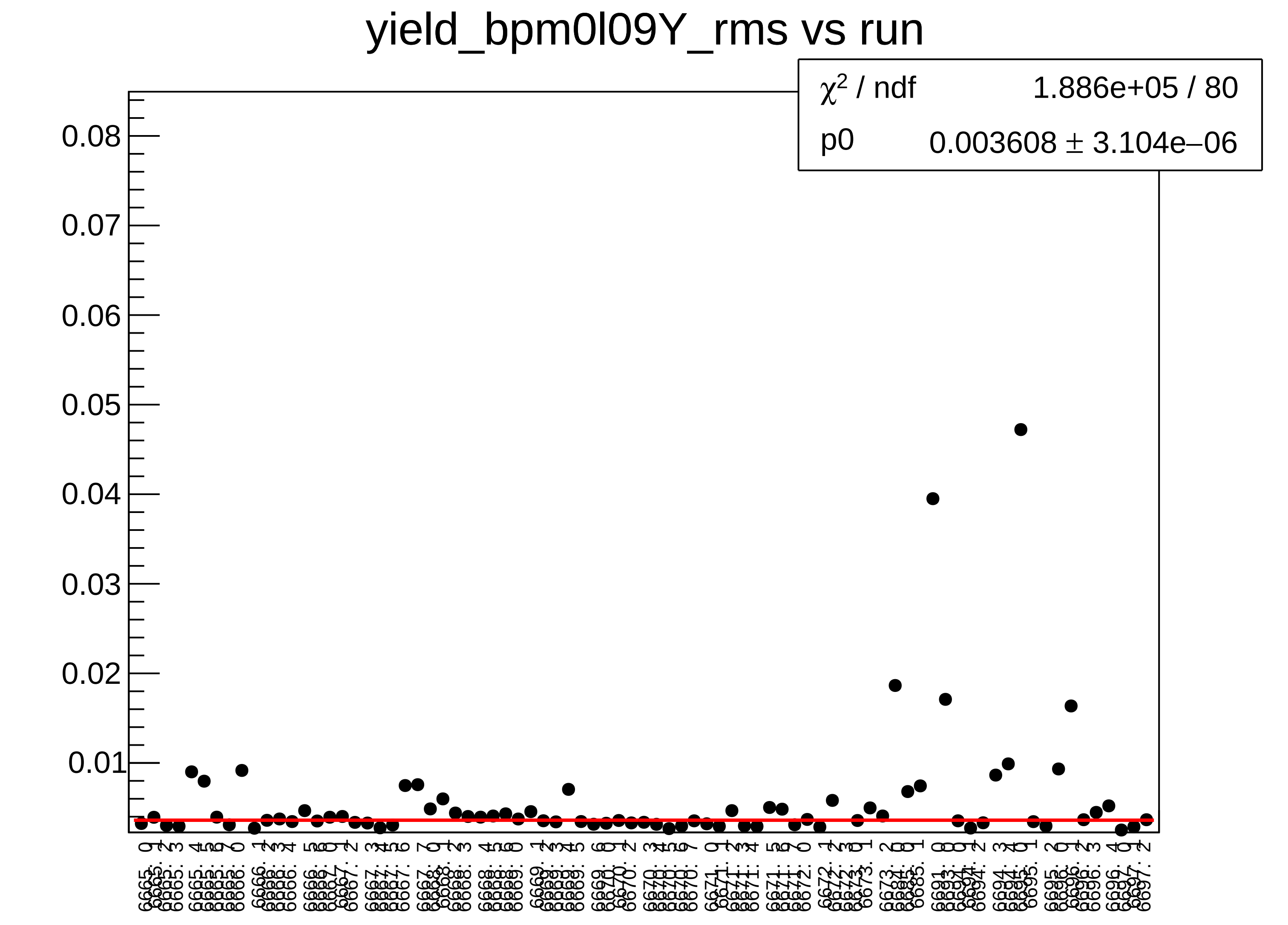


yield_bpm0l09X_mean vs run
χ^2 / ndf 1.379e+05 / 80
p0 0.7701 ± 1.398e−05
pull
Entries 81
Mean 14.14
Std Dev 30.39
pull1D
Entries 81
Mean −0.212
Std Dev 3.494

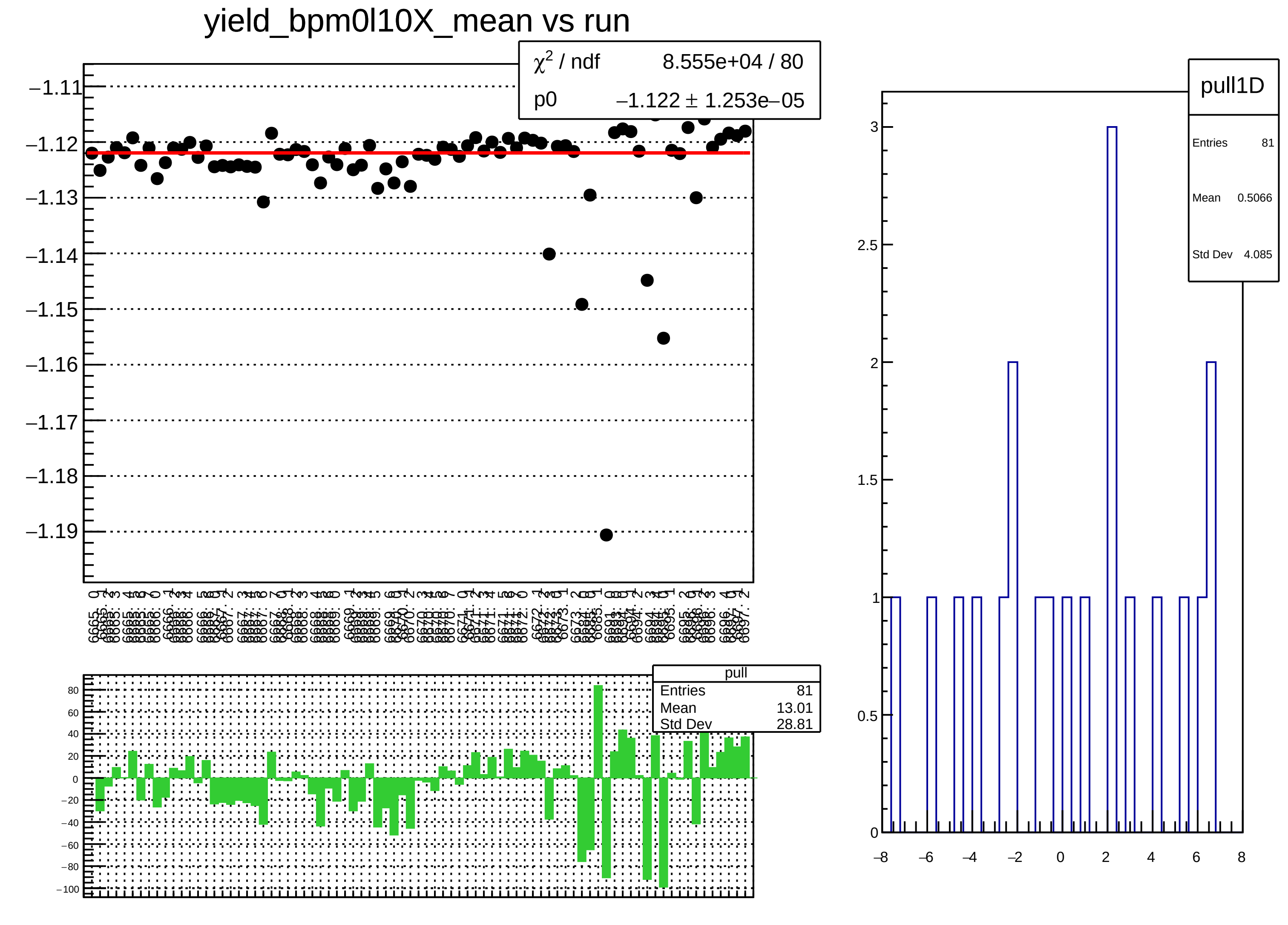


yield_bpm0l09X_rms vs run
χ2 / ndf 9.375e+04 / 80
p0 0.01189 ± 9.884e−06
0.1
0.08
0.06
0.04
0.02

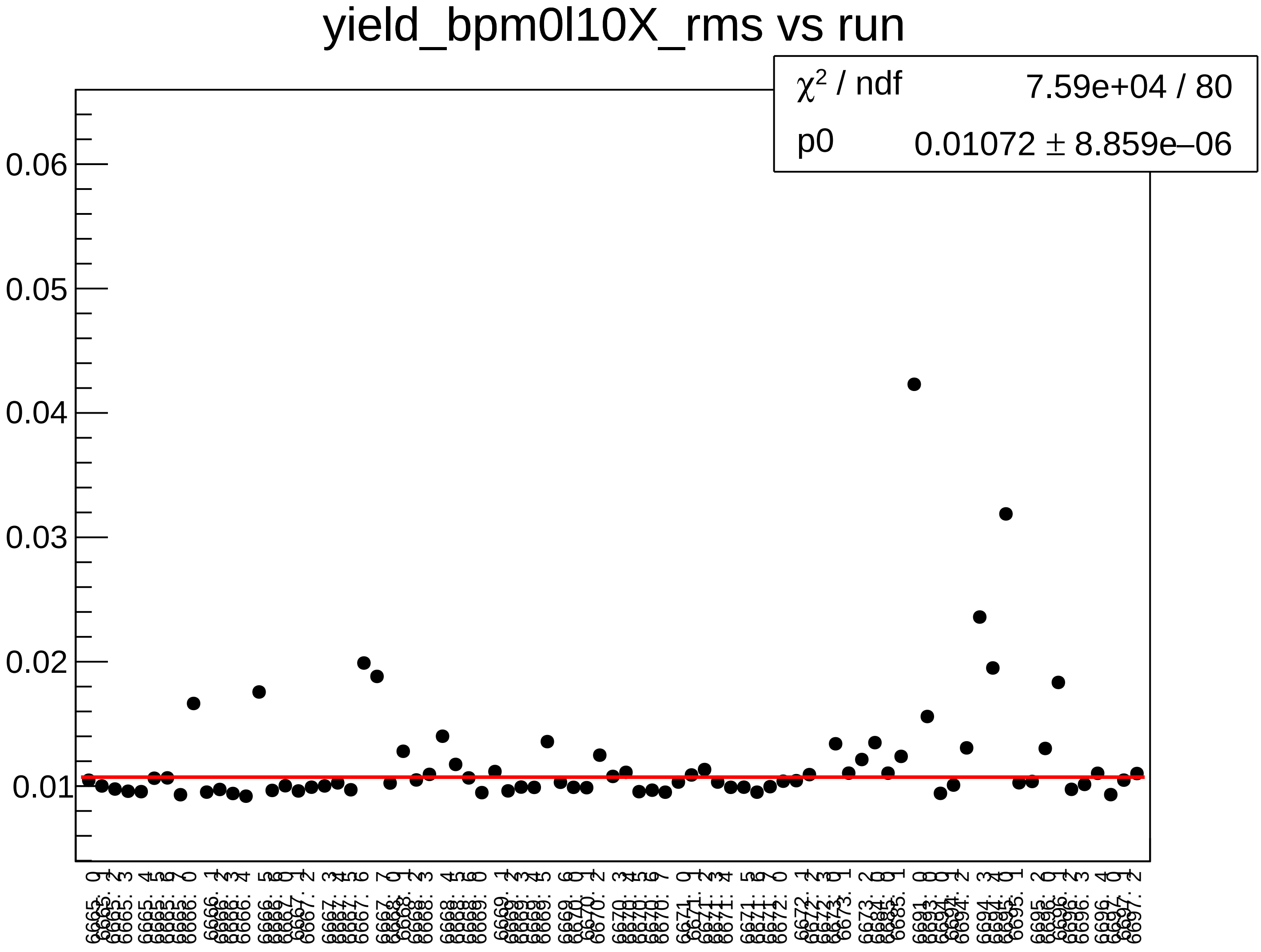

yield_bpm0l09Y_mean vs run
χ^2 / ndf 2.925e+06 / 80
p0 −0.1186 ± 4.389e−06
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull
Entries 81
Mean 1076
Std Dev 1039
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 81
Mean −2.841
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

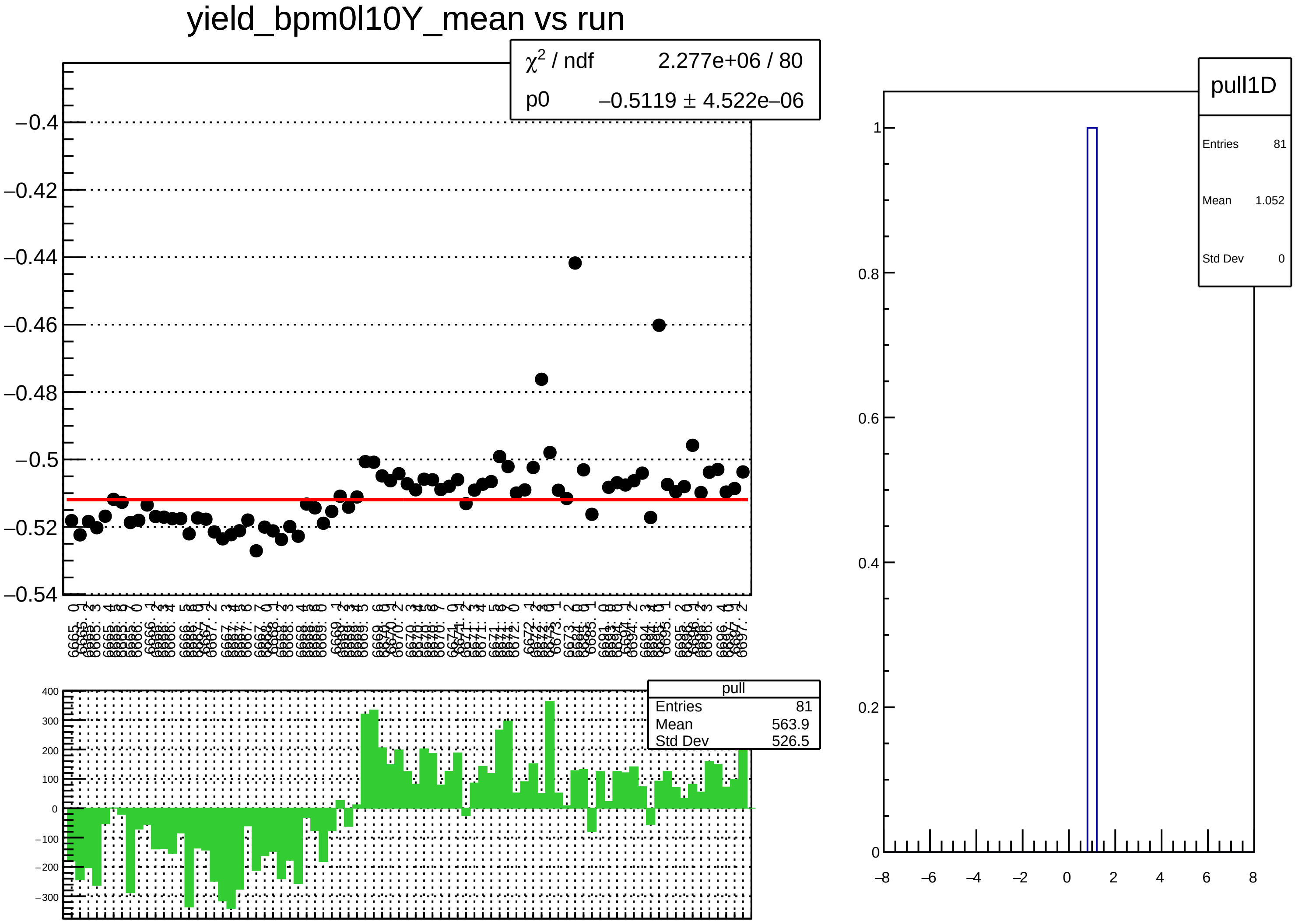


yield_bpm0l09Y_rms vs run
χ^2 / ndf 1.886e+05 / 80
p0 0.003608 ± 3.104e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01



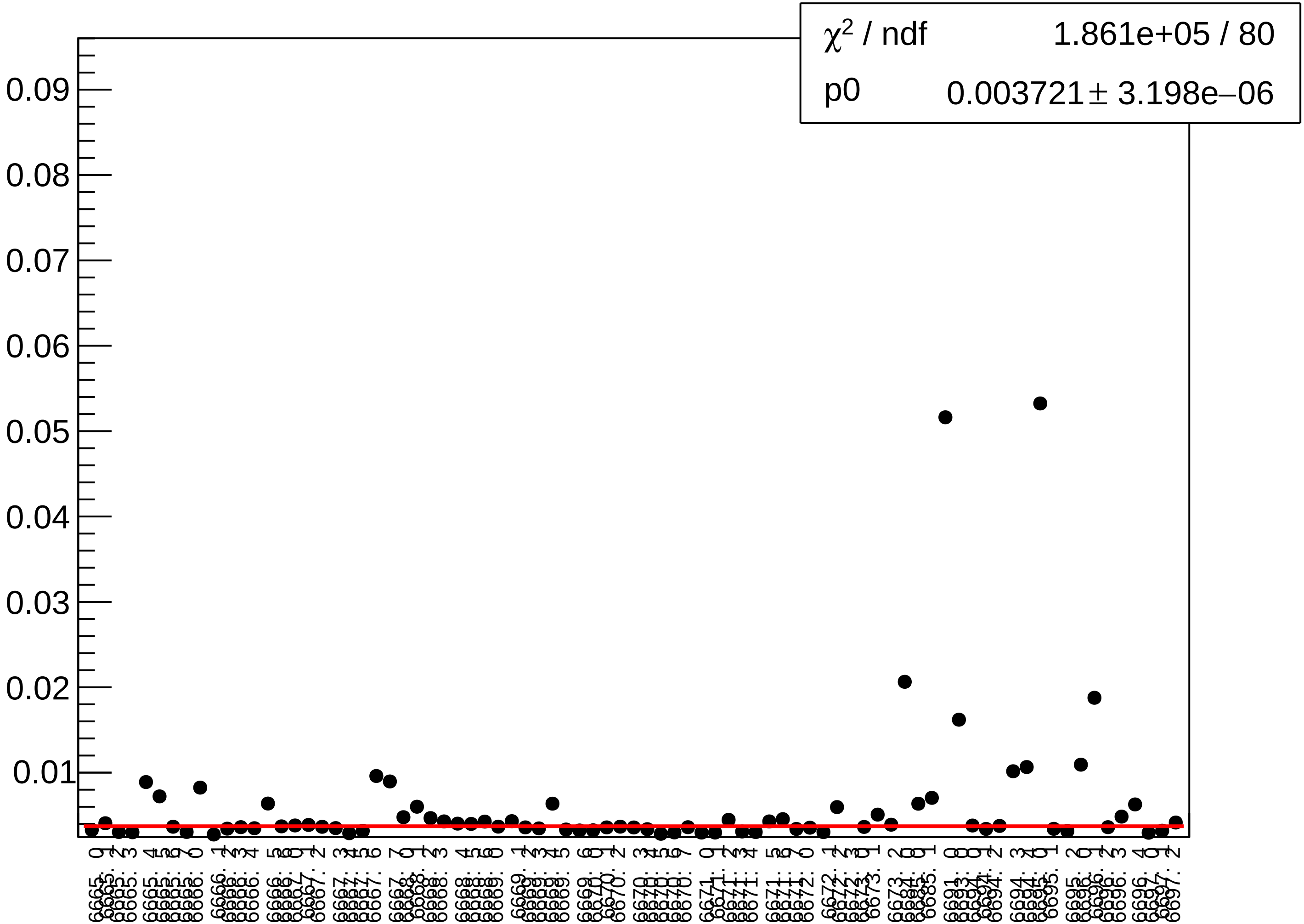
yield_bpm0l10X_mean vs run
χ^2 / ndf 8.555e+04 / 80
p0 −1.122 ± 1.253e−05
pull
Entries 81
Mean 13.01
Std Dev 28.81
pull1D
Entries 81
Mean 0.5066
Std Dev 4.085

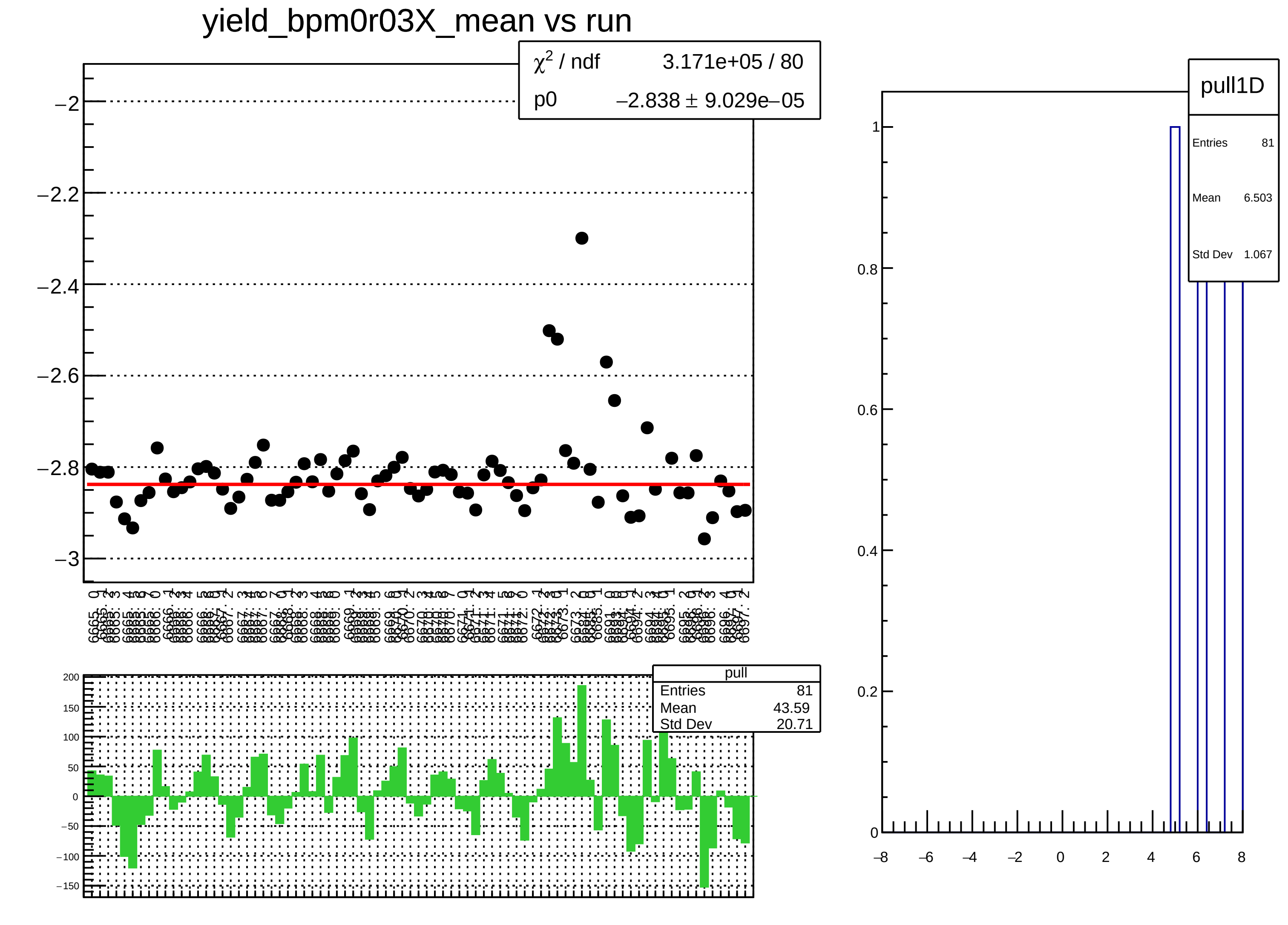

yield_bpm0l10X_rms vs run
χ² / ndf 7.59e+04 / 80
p0 0.01072 ± 8.859e−06
0.06
0.05
0.04
0.03
0.02
0.01



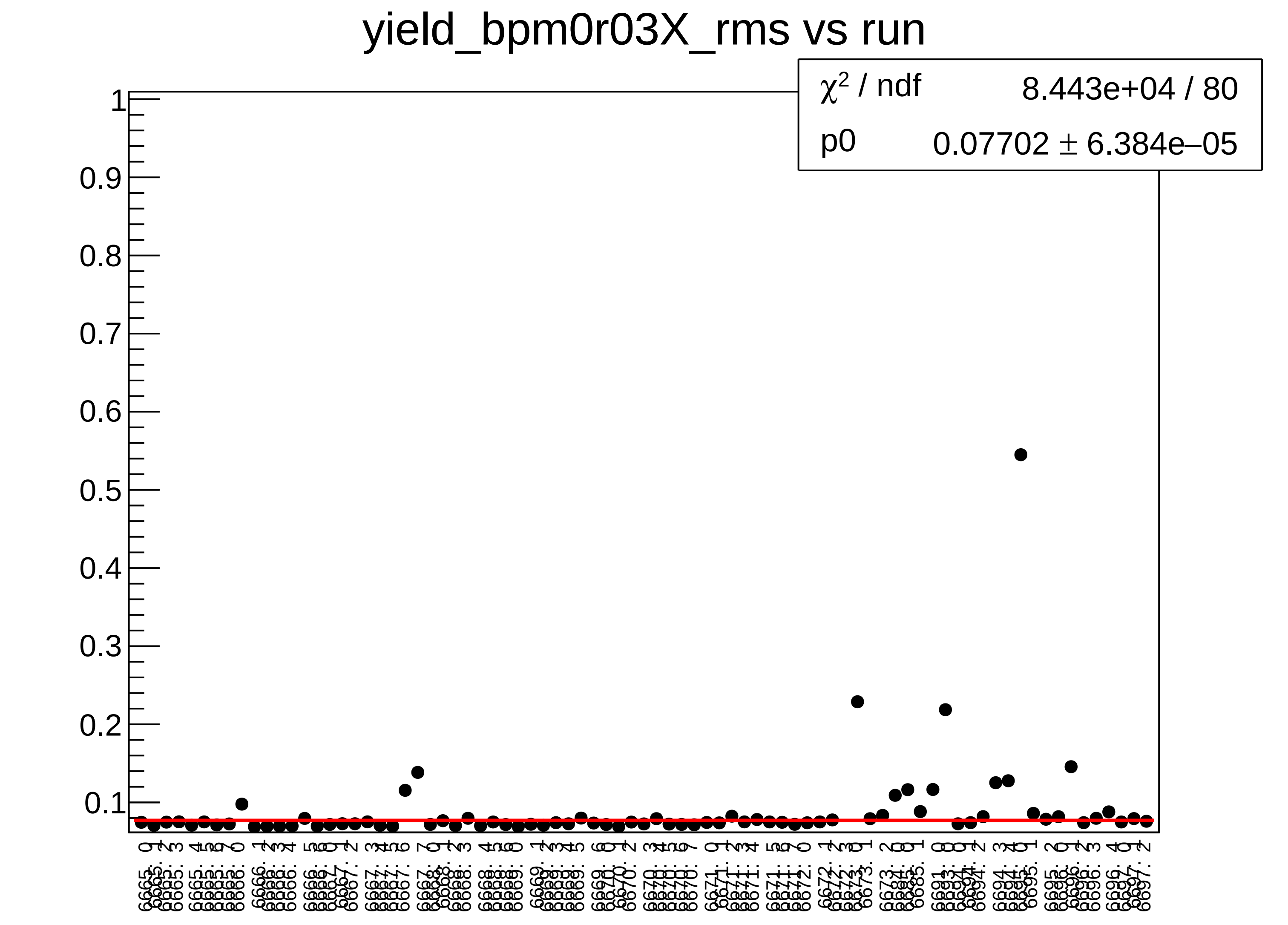
yield_bpm0l10Y_mean vs run
χ^2 / ndf 2.277e+06 / 80
p0 −0.5119 ± 4.522e−06
pull
Entries 81
Mean 563.9
Std Dev 526.5
pull1D
Entries 81
Mean 1.052
Std Dev 0

yield_bpm0l10Y_rms vs run

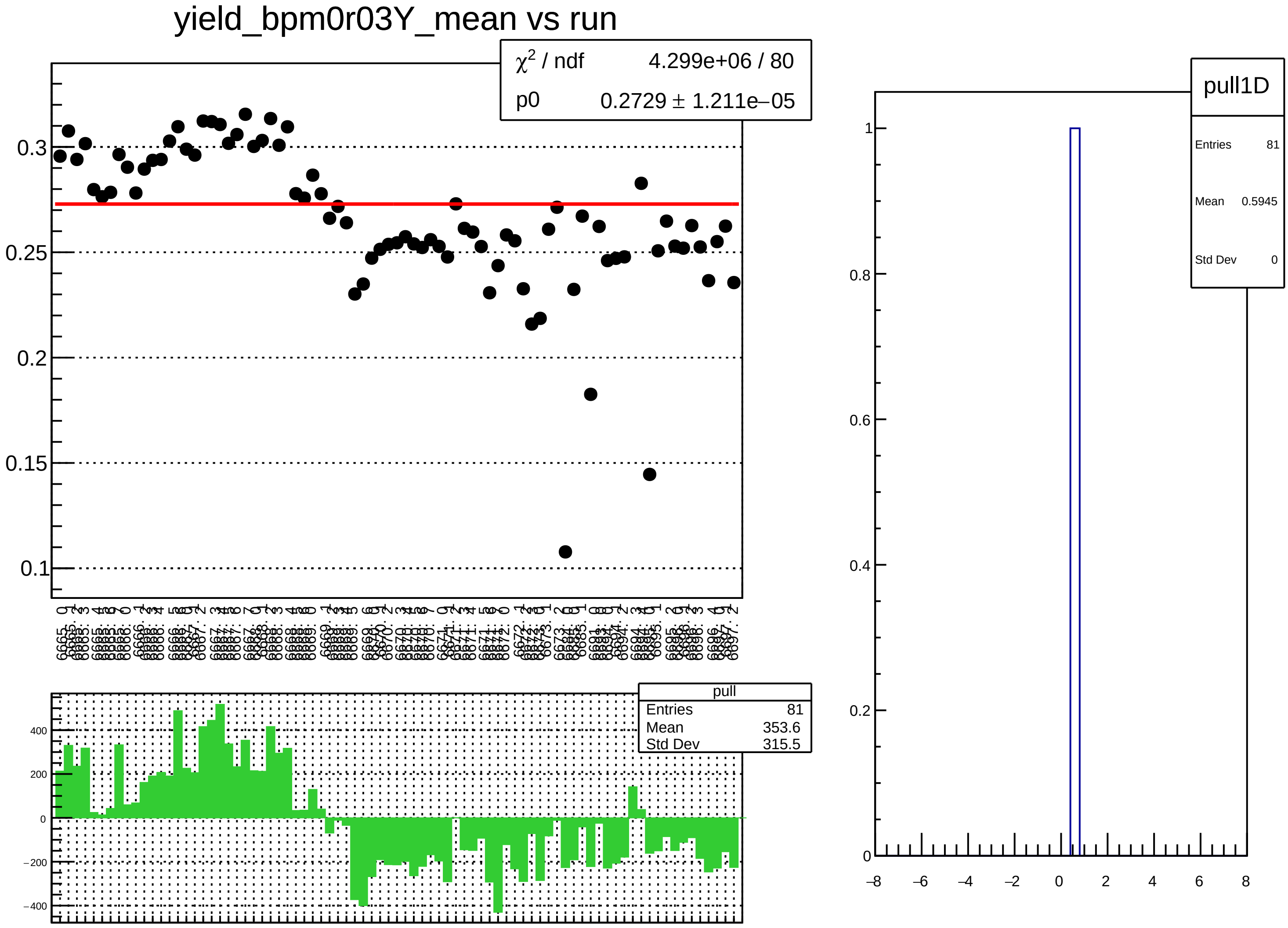


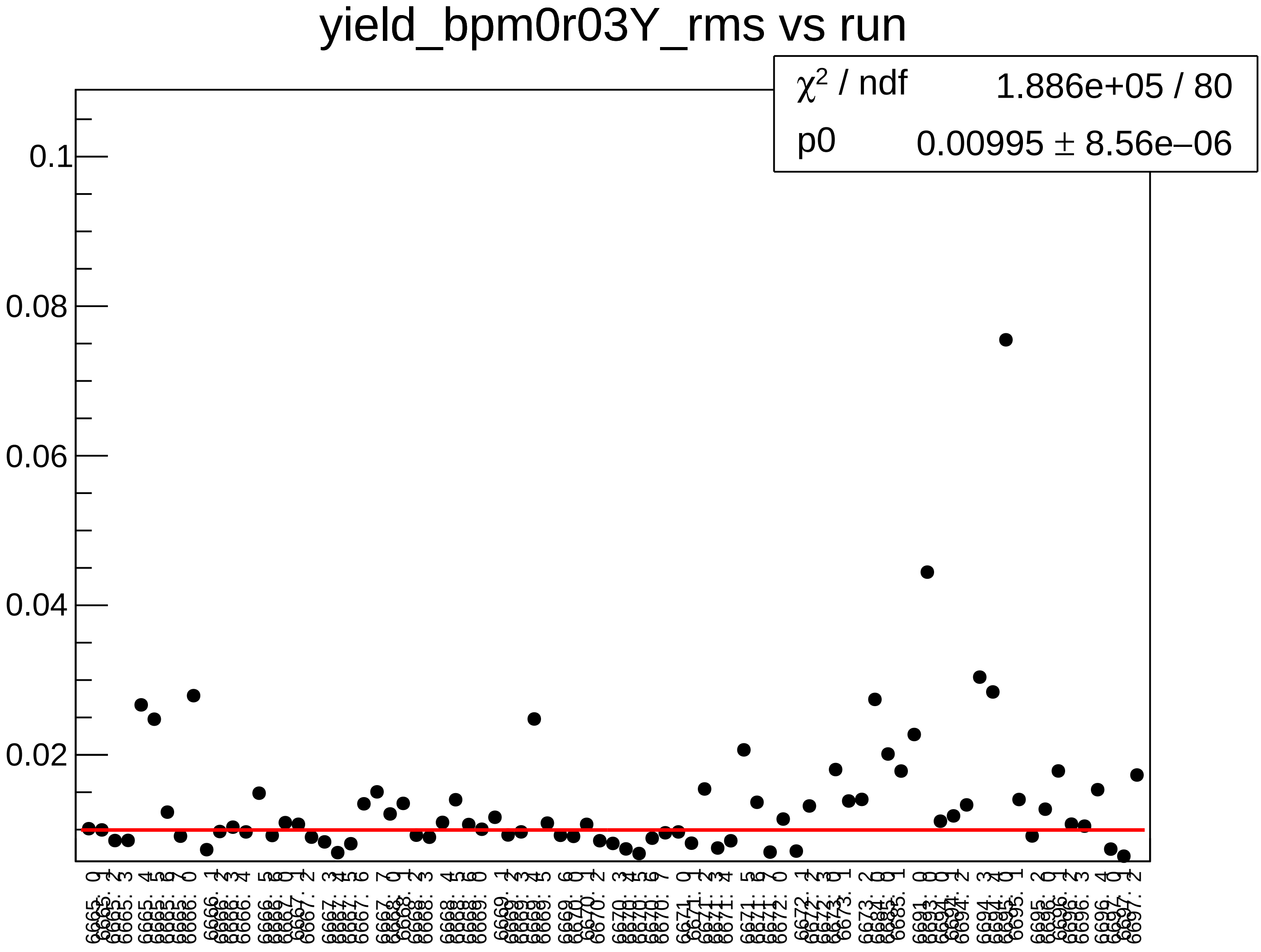


yield_bpm0r03X_mean vs run
χ^2 / ndf 3.171e+05 / 80
p0 −2.838 ± 9.029e−05
pull
Entries 81
Mean 43.59
Std Dev 20.71
pull1D
Entries 81
Mean 6.503
Std Dev 1.067

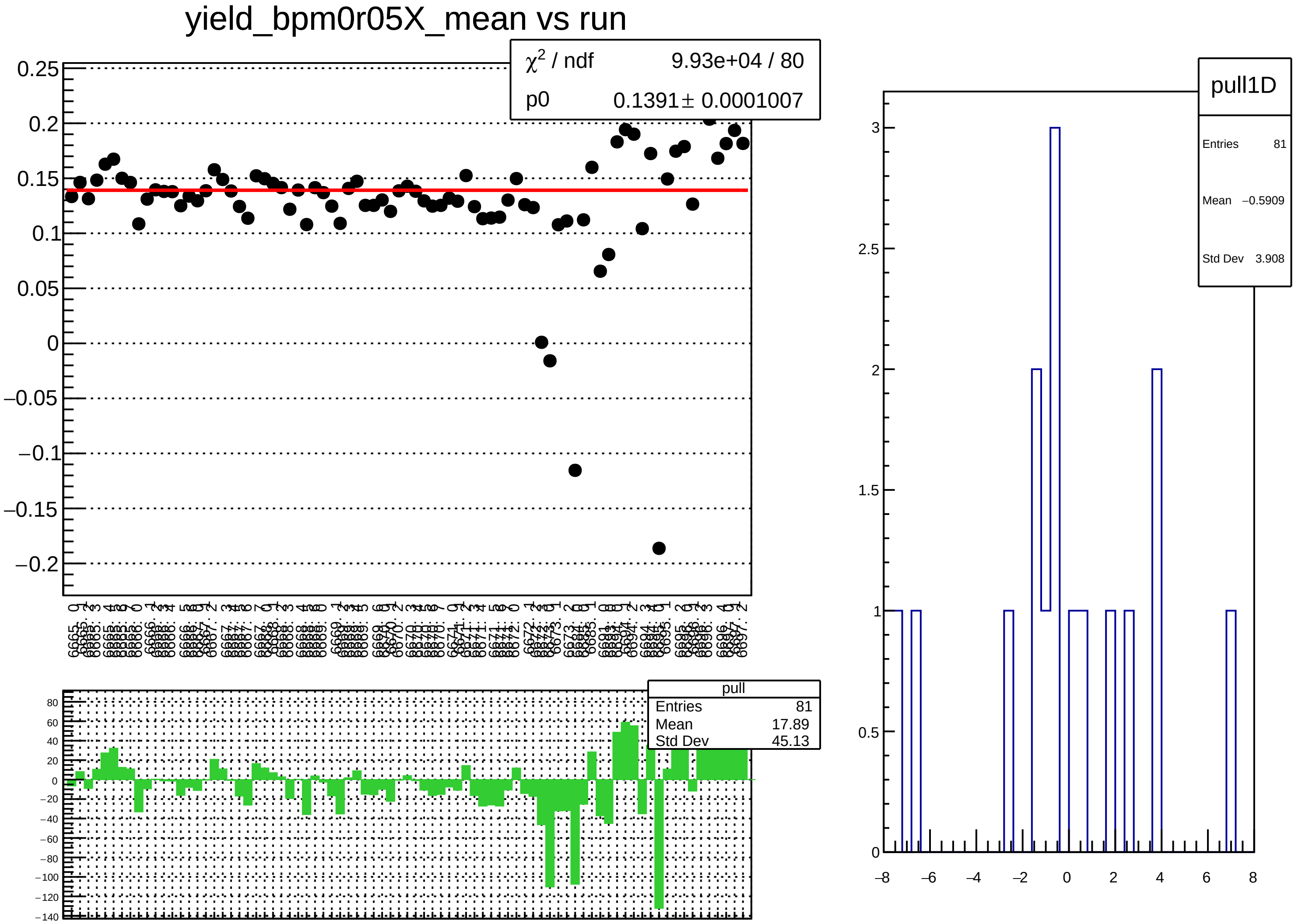


yield_bpm0r03X_rms vs run
χ^2 / ndf 8.443e+04 / 80
p0 0.07702 ± 6.384e−05
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

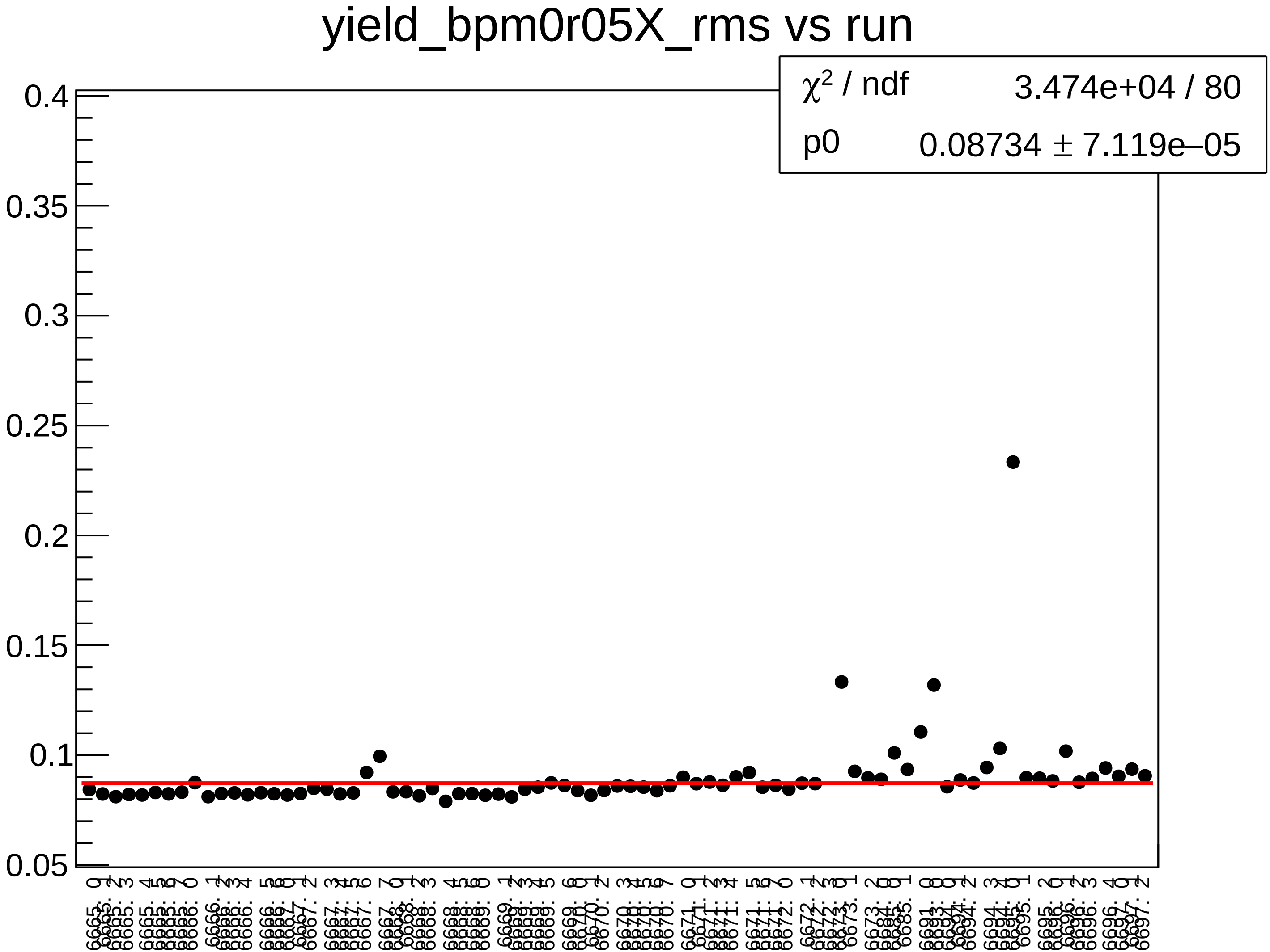

yield_bpm0r03Y_mean vs run
χ2 / ndf 4.299e+06 / 80
p0 0.2729 ± 1.211e−05
0.3
0.25
0.2
0.15
0.1
pull
Entries 81
Mean 353.6
Std Dev 315.5
400
200
0
−200
−400
pull1D
Entries 81
Mean 0.5945
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



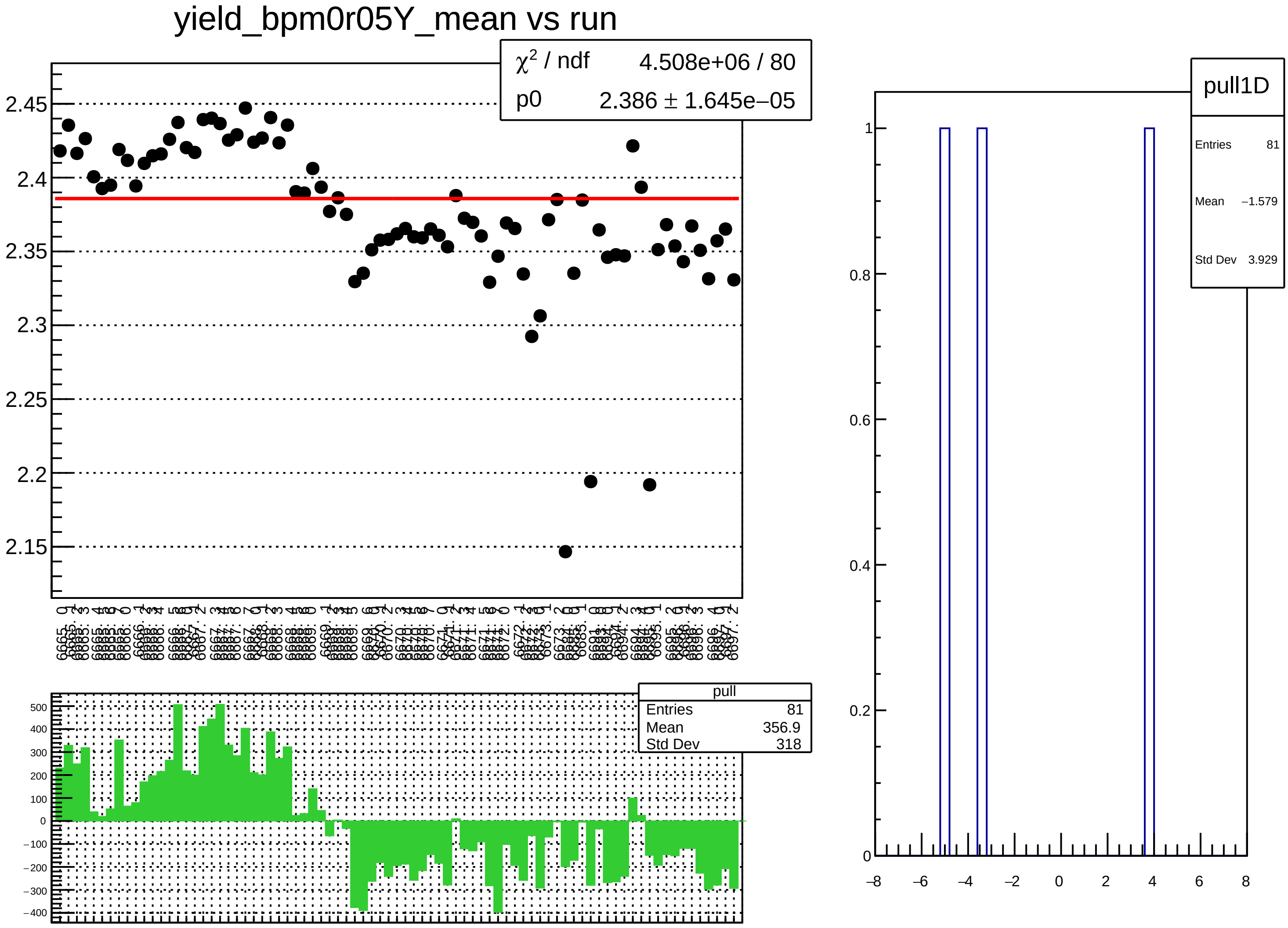
yield_bpm0r03Y_rms vs run
χ^2 / ndf 1.886e+05 / 80
p0 0.00995 ± 8.56e−06
0.1
0.08
0.06
0.04
0.02



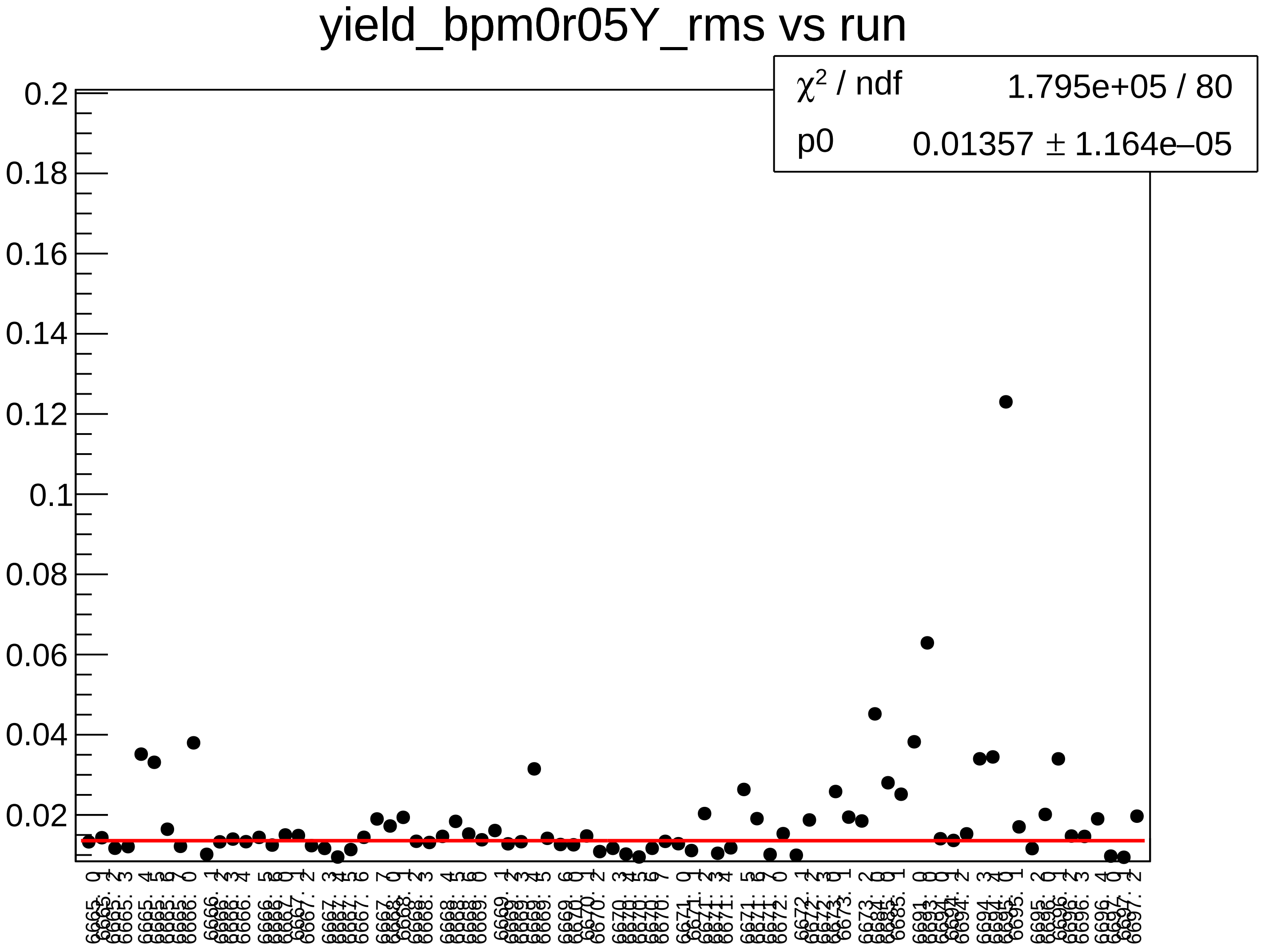
yield_bpm0r05X_mean vs run
χ2 / ndf 9.93e+04 / 80
p0 0.1391 ± 0.0001007
pull
Entries 81
Mean 17.89
Std Dev 45.13
pull1D
Entries 81
Mean −0.5909
Std Dev 3.908

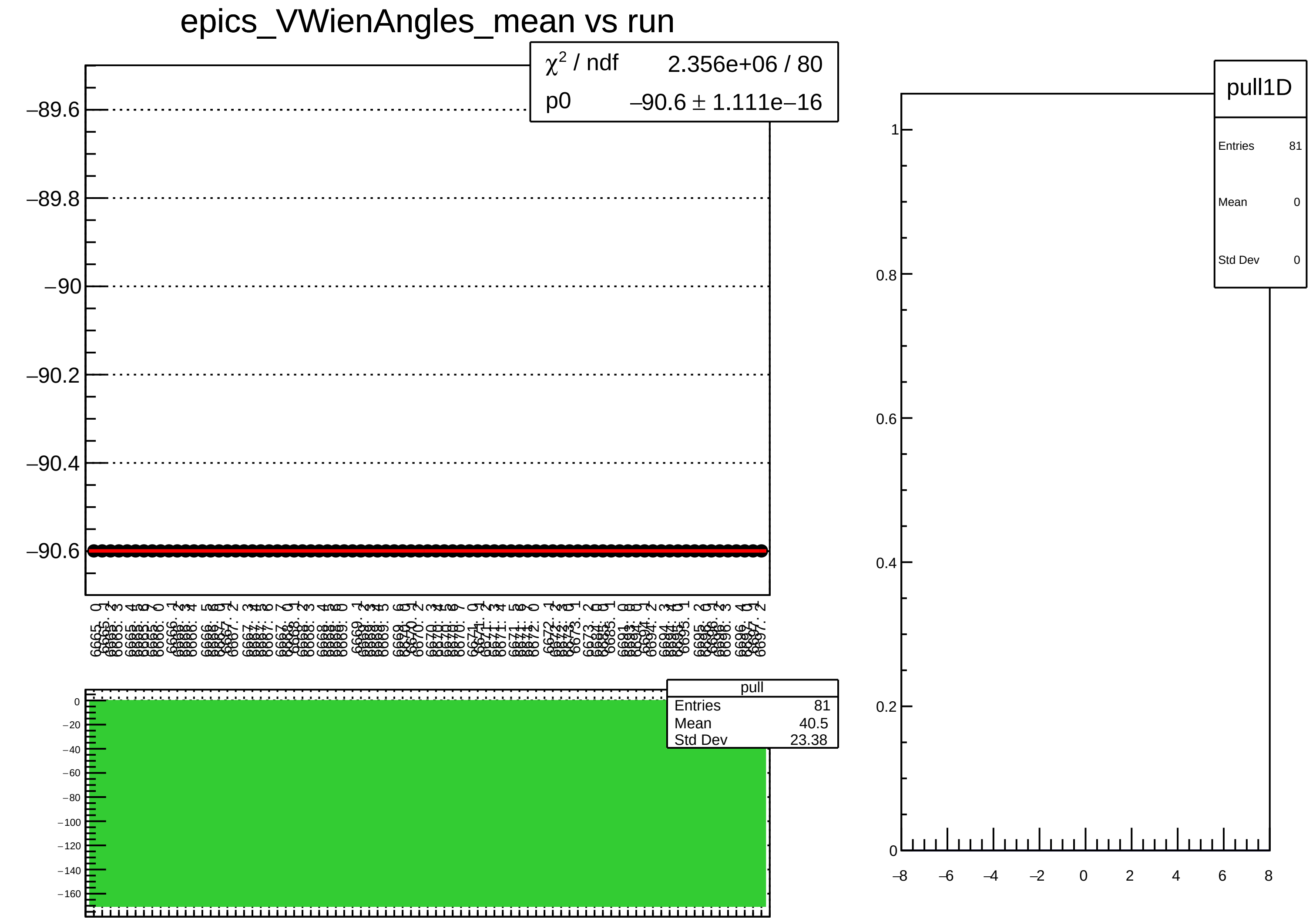


yield_bpm0r05X_rms vs run
χ^2 / ndf 3.474e+04 / 80
p0 0.08734 ± 7.119e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

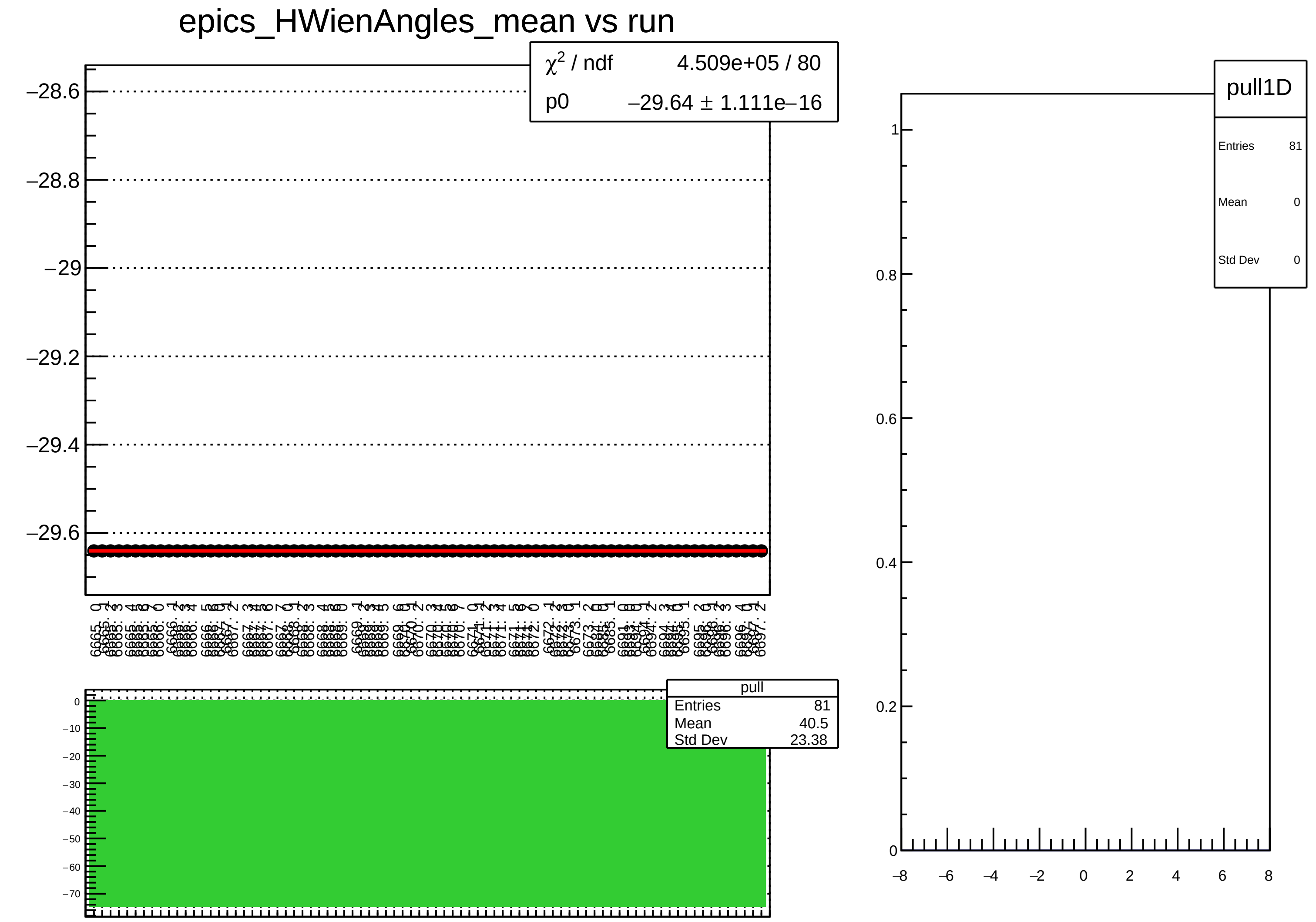


yield_bpm0r05Y_mean vs run
χ2 / ndf 4.508e+06 / 80
p0 2.386 ± 1.645e−05
2.45
2.4
2.35
2.3
2.25
2.2
2.15
pull
Entries 81
Mean 356.9
Std Dev 318
500
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 81
Mean −1.579
Std Dev 3.929
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

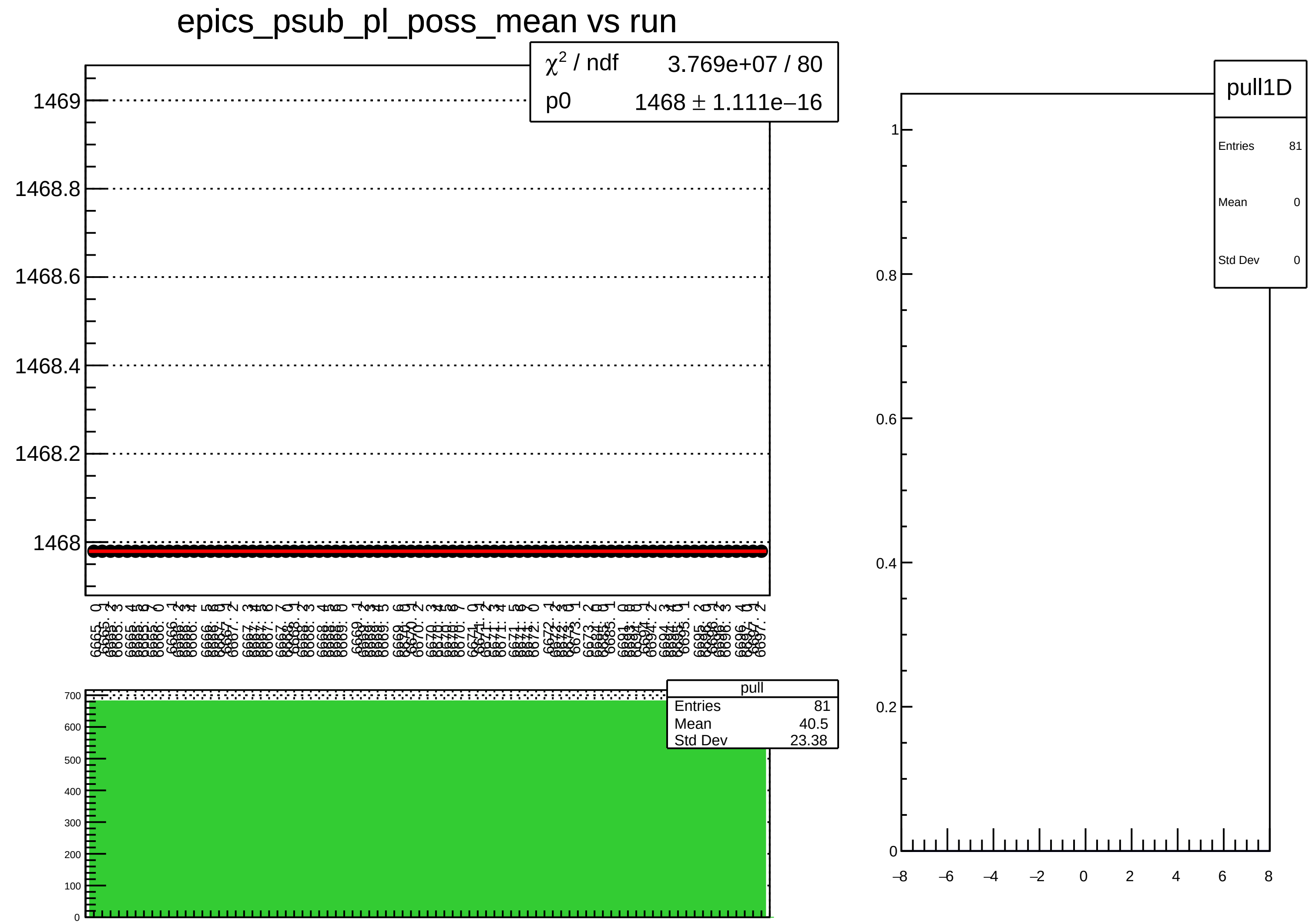

yield_bpm0r05Y_rms vs run
χ2 / ndf 1.795e+05 / 80
p0 0.01357 ± 1.164e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

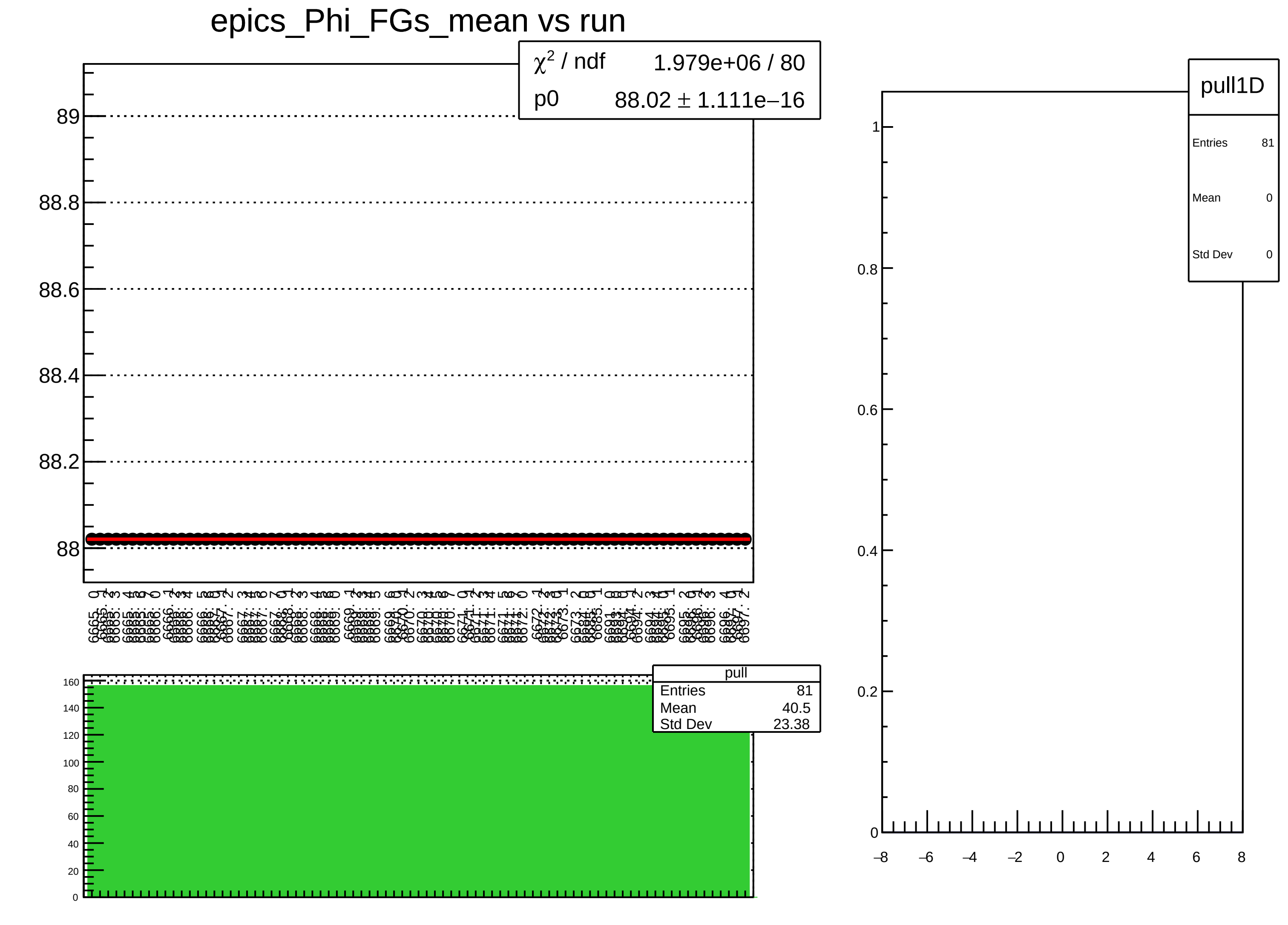


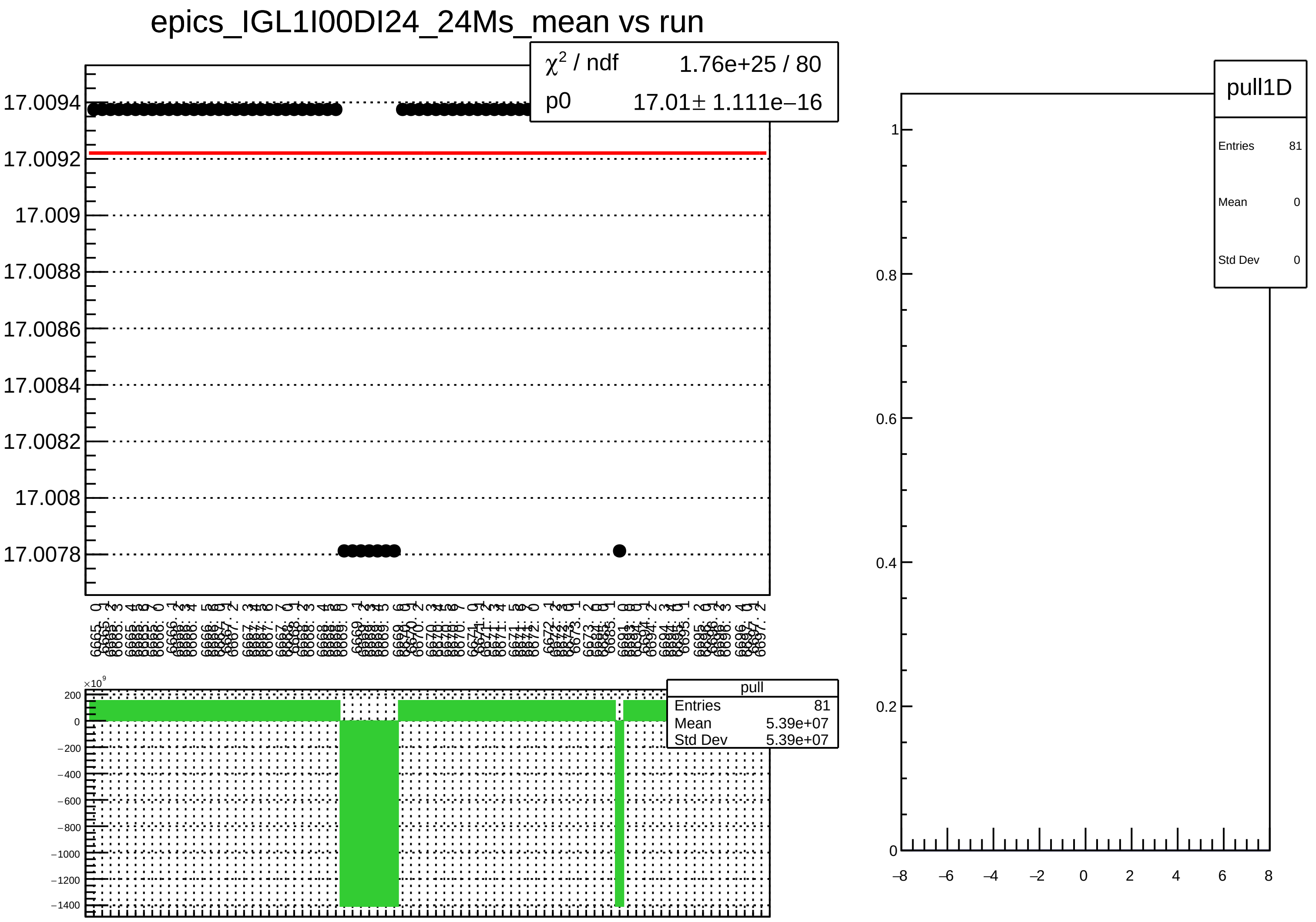
epics_VWienAngles_mean vs run
χ^2 / ndf 2.356e+06 / 80
p0 −90.6 ± 1.111e−16
−89.6
−89.8
−90
−90.2
−90.4
−90.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
0
−20
−40
−60
−80
−100
−120
−140
−160
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



epics_HWienAngles_mean vs run
χ^2 / ndf 4.509e+05 / 80
p0 −29.64 ± 1.111e−16
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 0
Std Dev 0

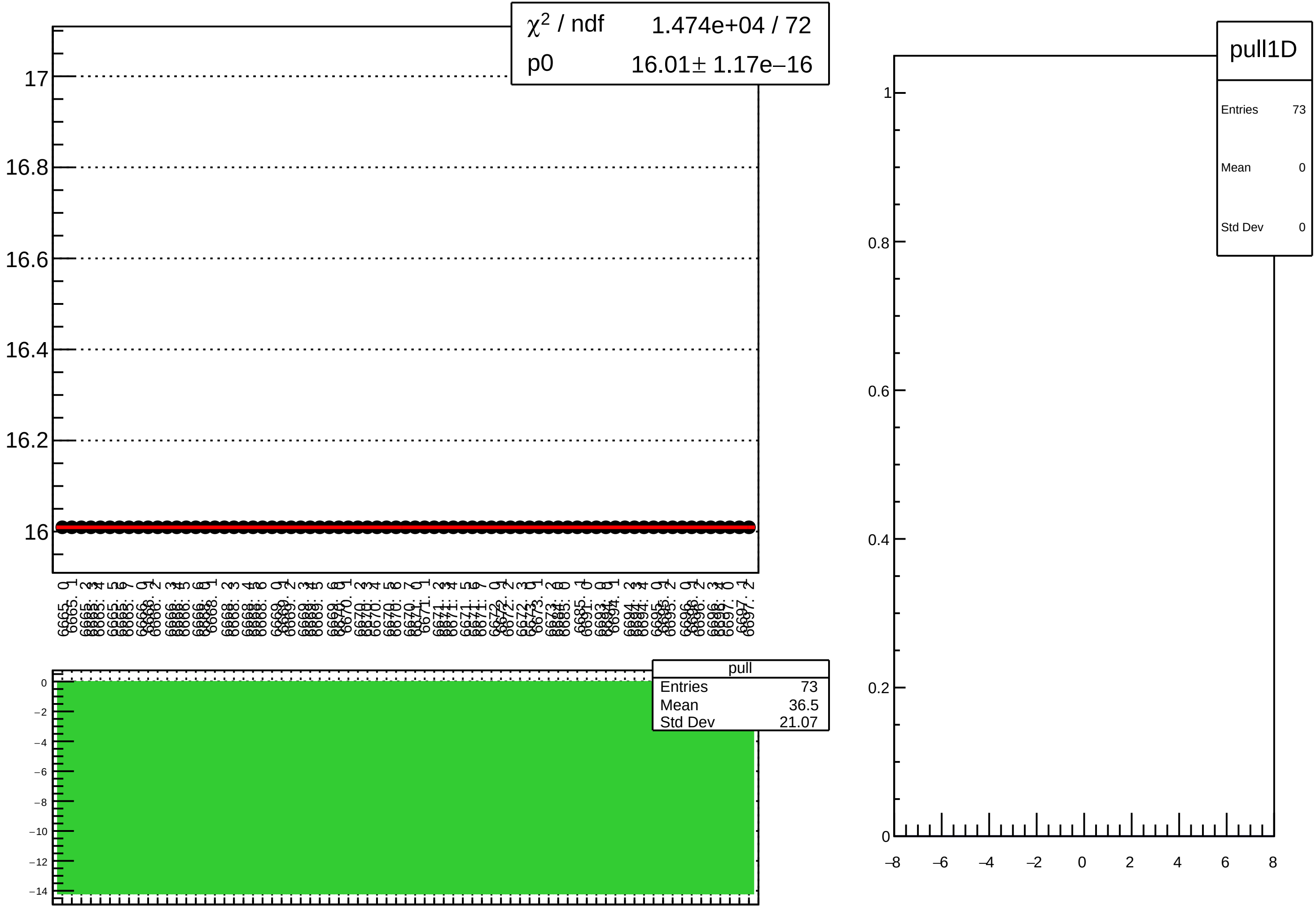

epics_psub_pl_poss_mean vs run
χ^2 / ndf 3.769e+07 / 80
p0 1468 ± 1.111e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 81
Mean 40.5
Std Dev 23.38
700
600
500
400
300
200
100
0
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

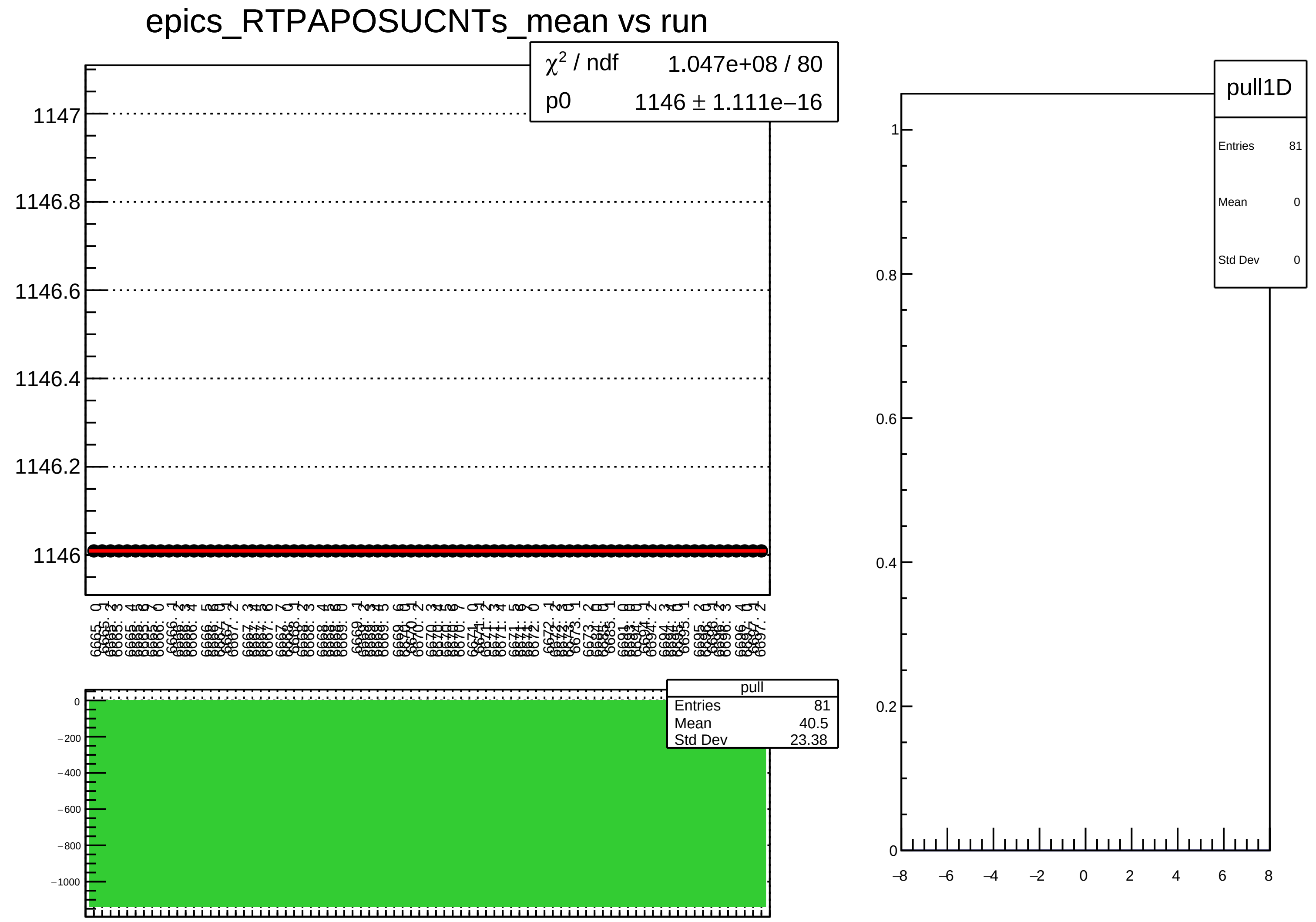

epics_Phi_FGs_mean vs run
χ² / ndf 1.979e+06 / 80
p0 88.02 ± 1.111e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 81
Mean 40.5
Std Dev 23.38
160
140
120
100
80
60
40
20
0
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

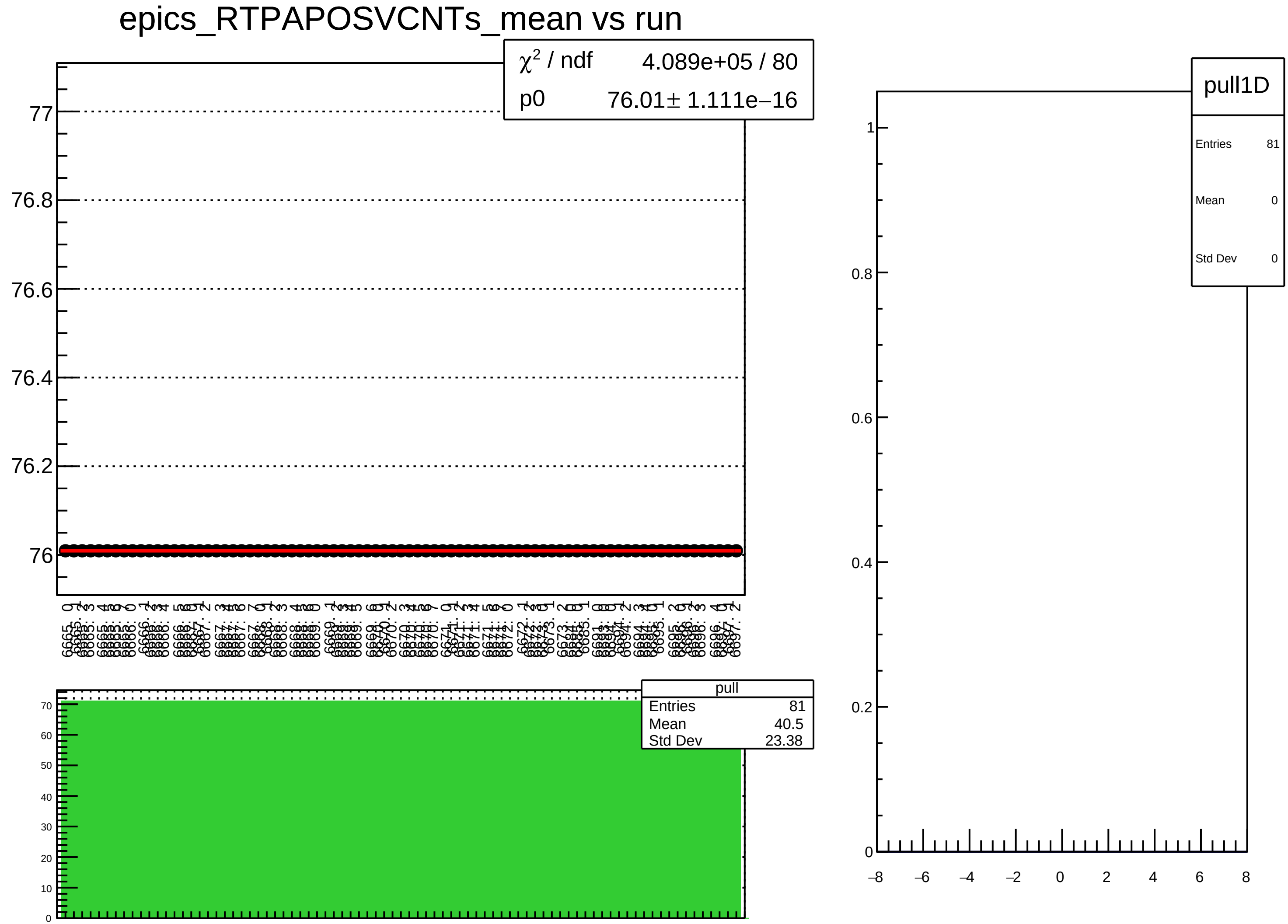


epics_IGL1I00DI24_24Ms_mean vs run
χ^2 / ndf 1.76e+25 / 80
p0 17.01± 1.111e−16
17.0094
17.0092
17.009
17.0088
17.0086
17.0084
17.0082
17.008
17.0078
pull
Entries 81
Mean 5.39e+07
Std Dev 5.39e+07
×10⁹
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

epics_IGL1I00OD16_16s_mean vs run




epics_RTPAPOSUCNTs_mean vs run
χ2 / ndf 1.047e+08 / 80
p0 1146 ± 1.111e−16
1147
1146.8
1146.6
1146.4
1146.2
1146
pull
Entries 81
Mean 40.5
Std Dev 23.38
0
−200
−400
−600
−800
−1000
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


epics_RTPAPOSVCNTs_mean vs run
χ^2 / ndf 4.089e+05 / 80
p0 76.01± 1.111e−16
77
76.8
76.6
76.4
76.2
76
pull
Entries 81
Mean 40.5
Std Dev 23.38
70
60
50
40
30
20
10
0
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8