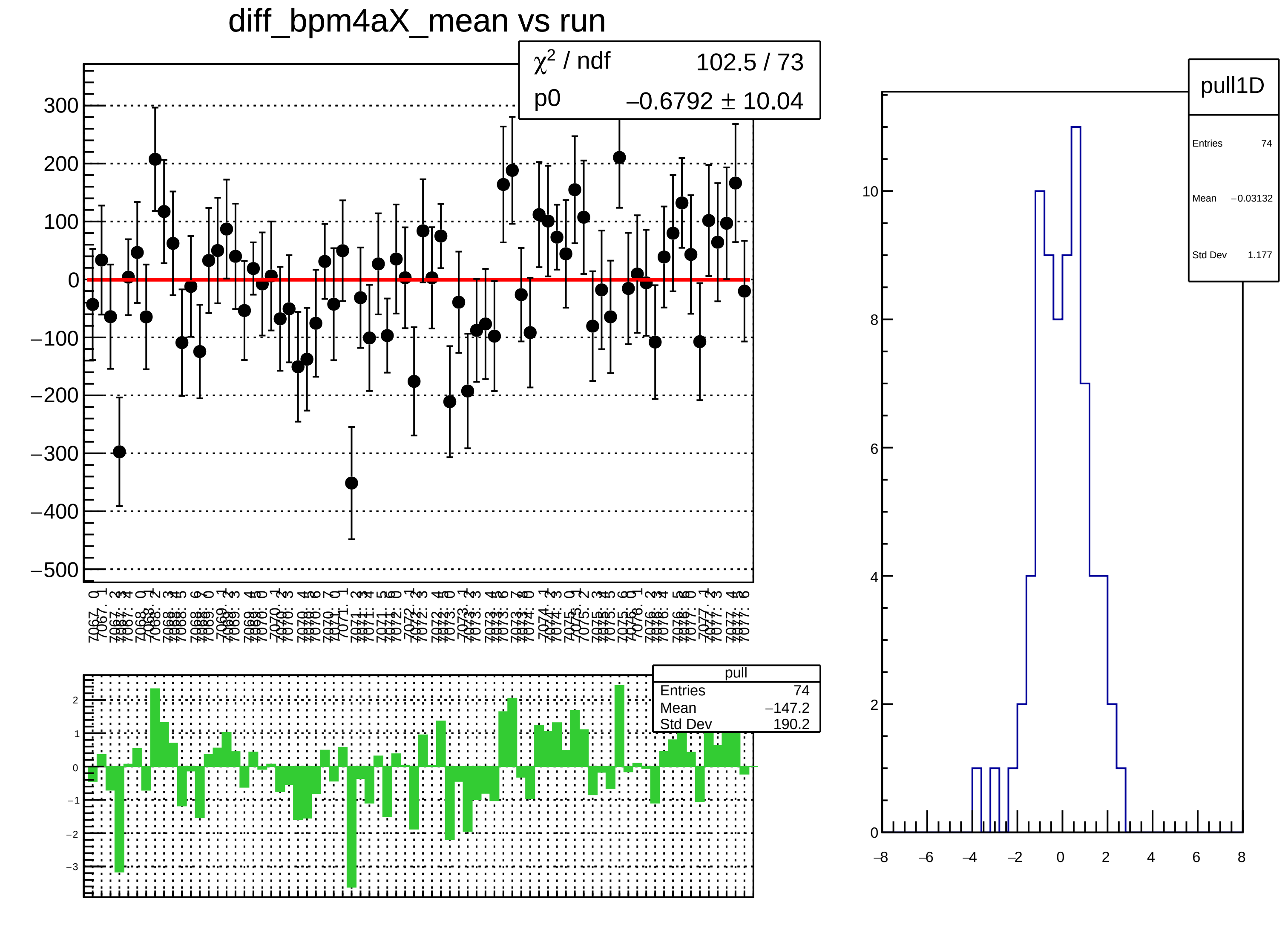
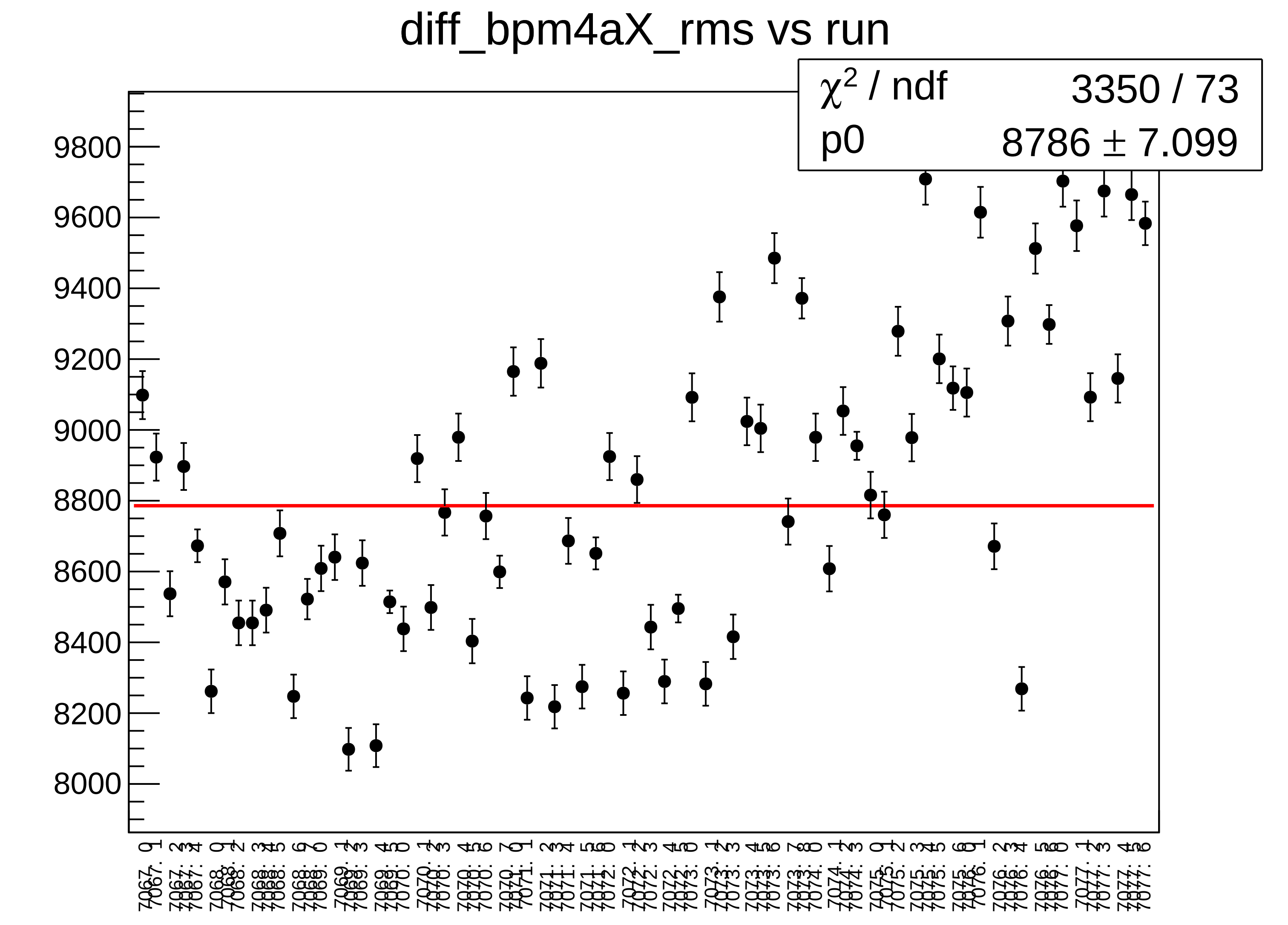
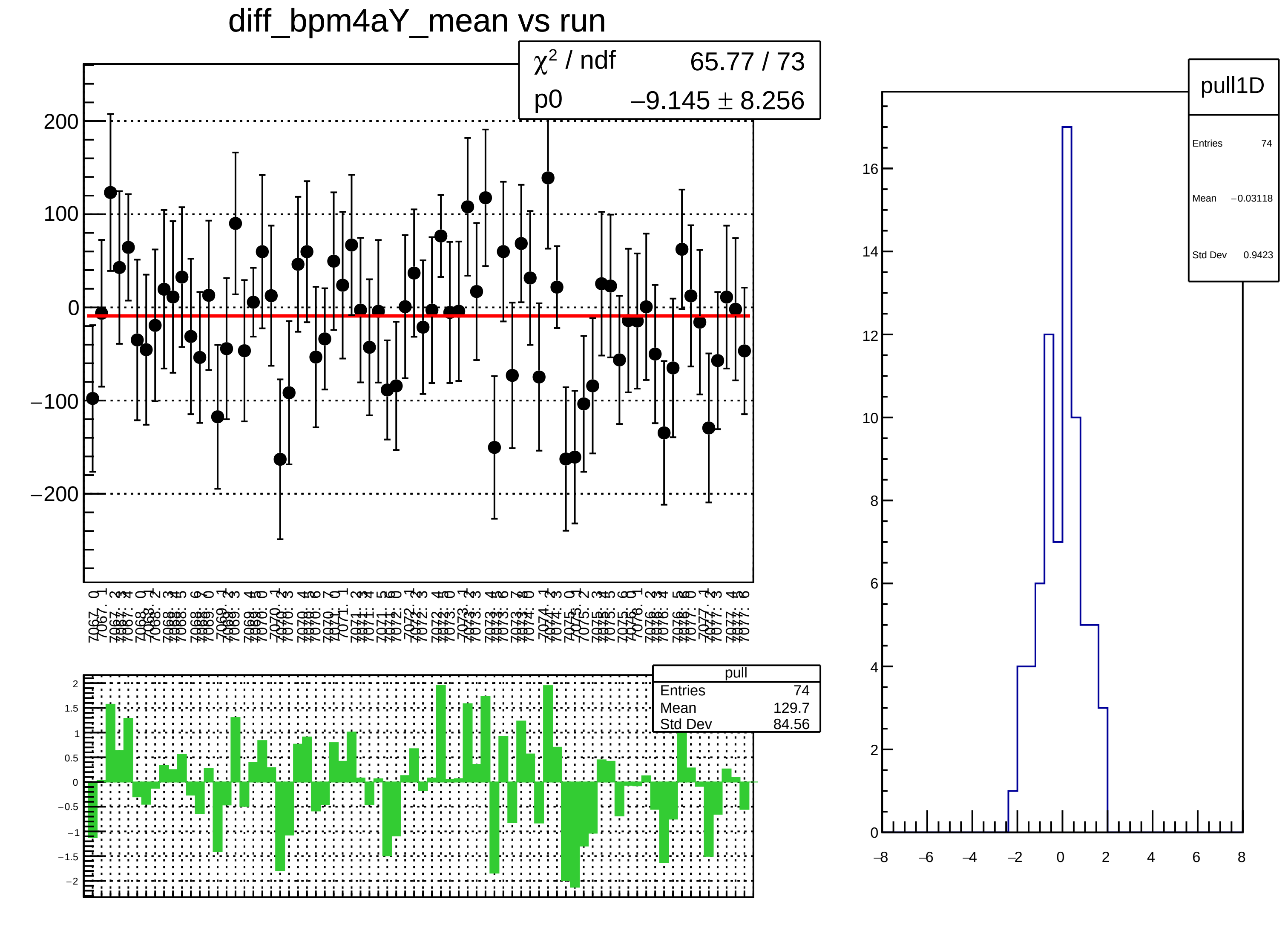
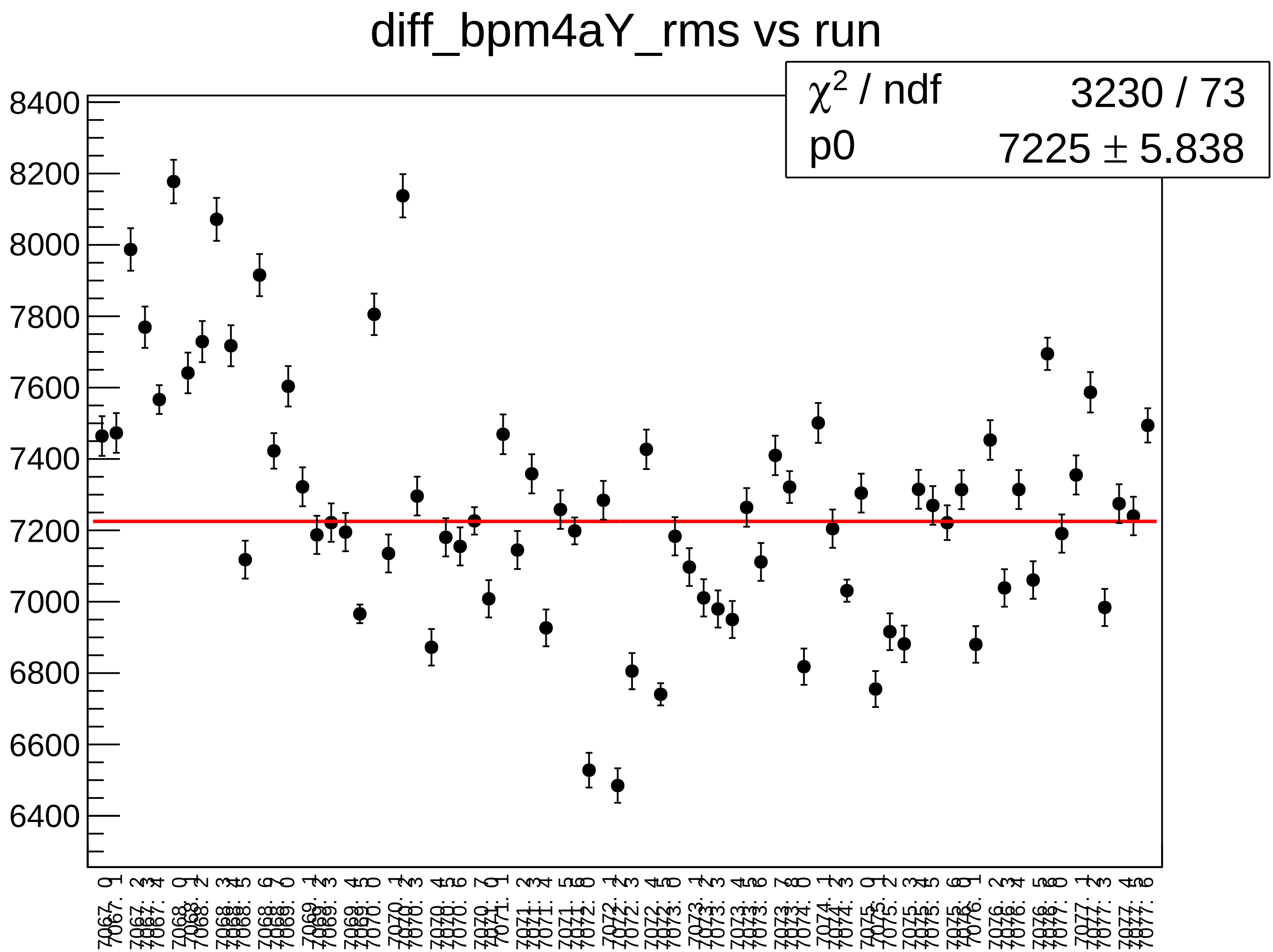


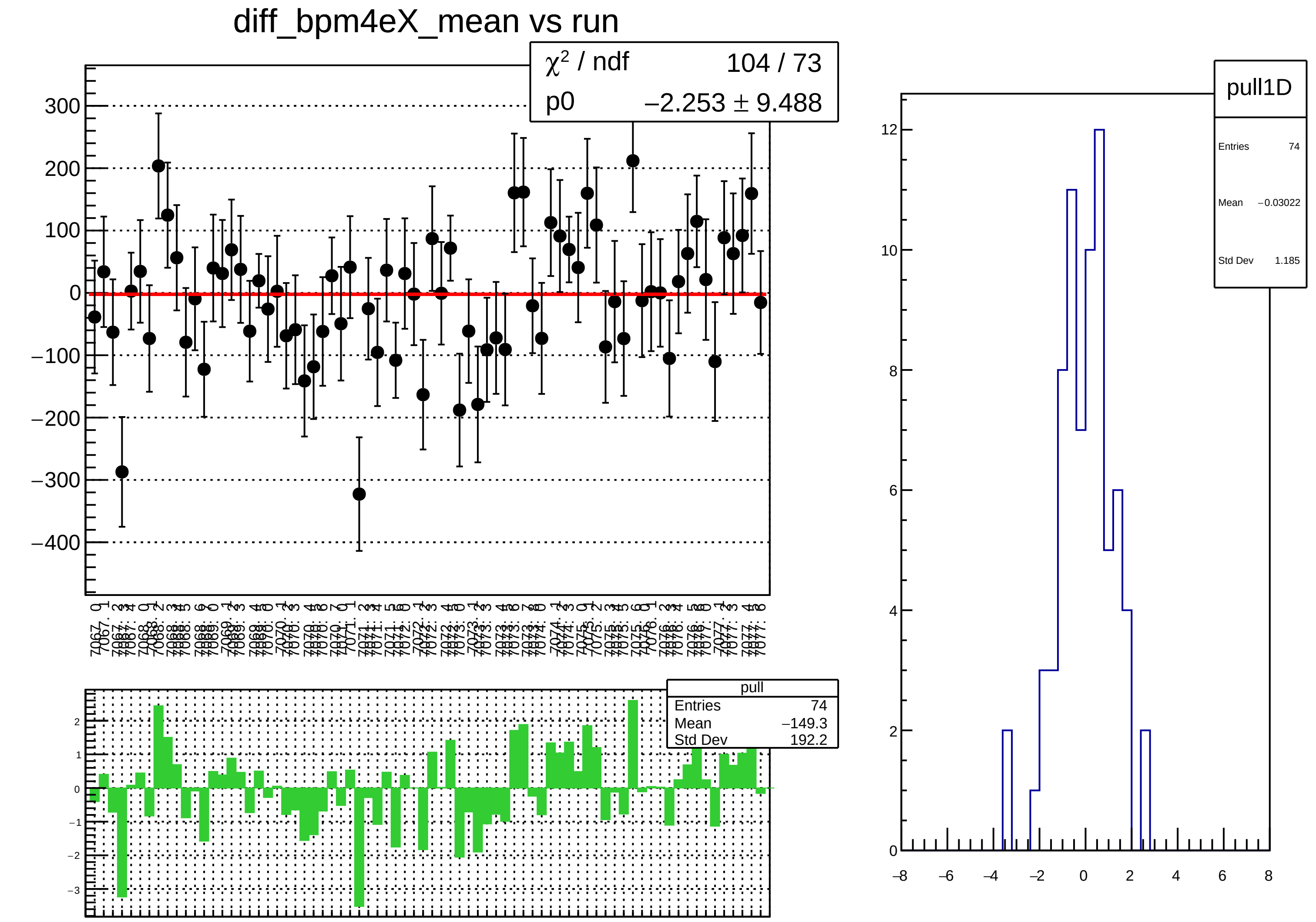
diff_bpm4aX_mean vs run
χ2 / ndf 102.5 / 73
p0 −0.6792 ± 10.04
pull
Entries 74
Mean −147.2
Std Dev 190.2
pull1D
Entries 74
Mean −0.03132
Std Dev 1.177

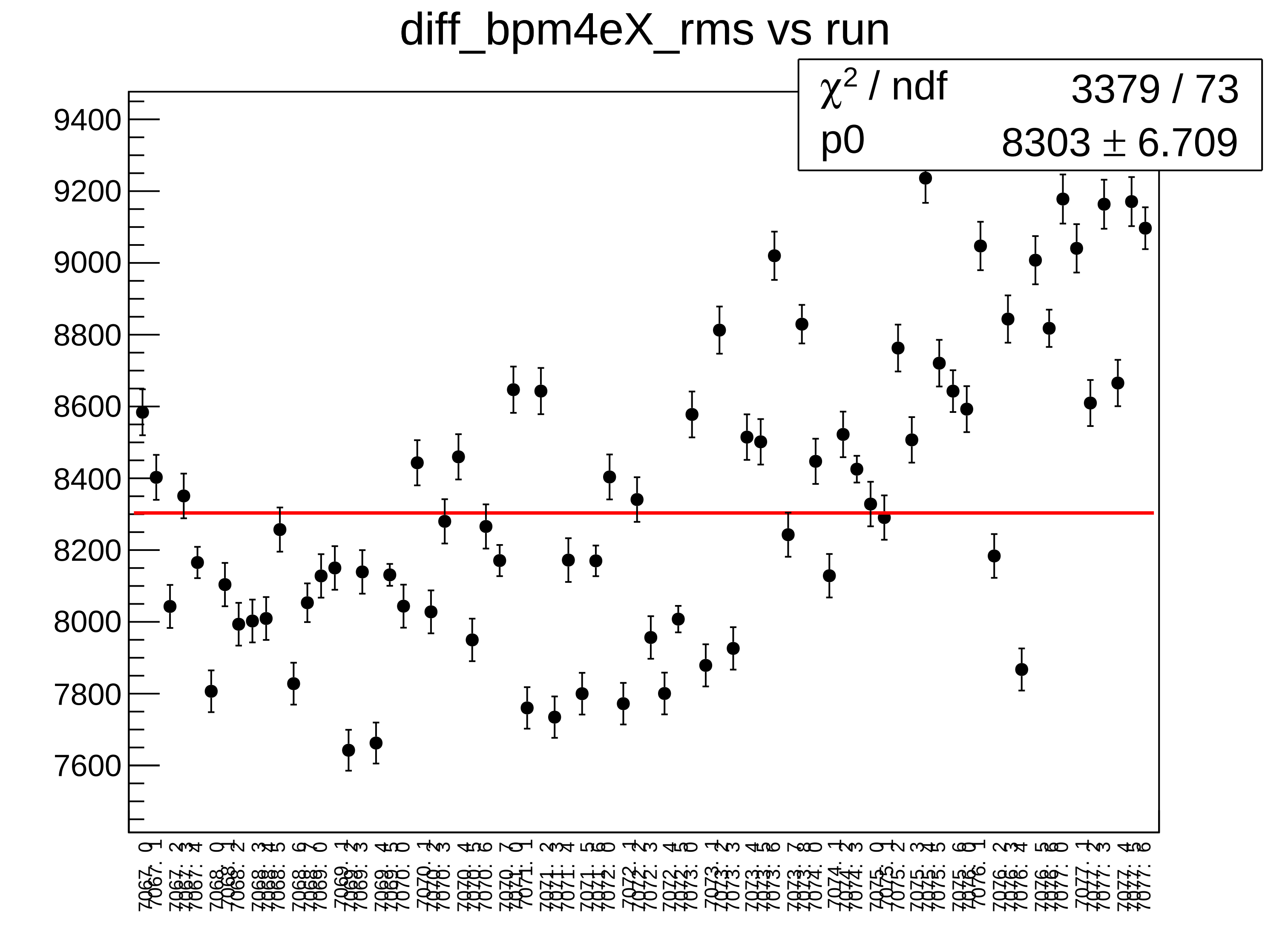

diff_bpm4aX_rms vs run
χ2 / ndf 3350 / 73
p0 8786 ± 7.099
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000

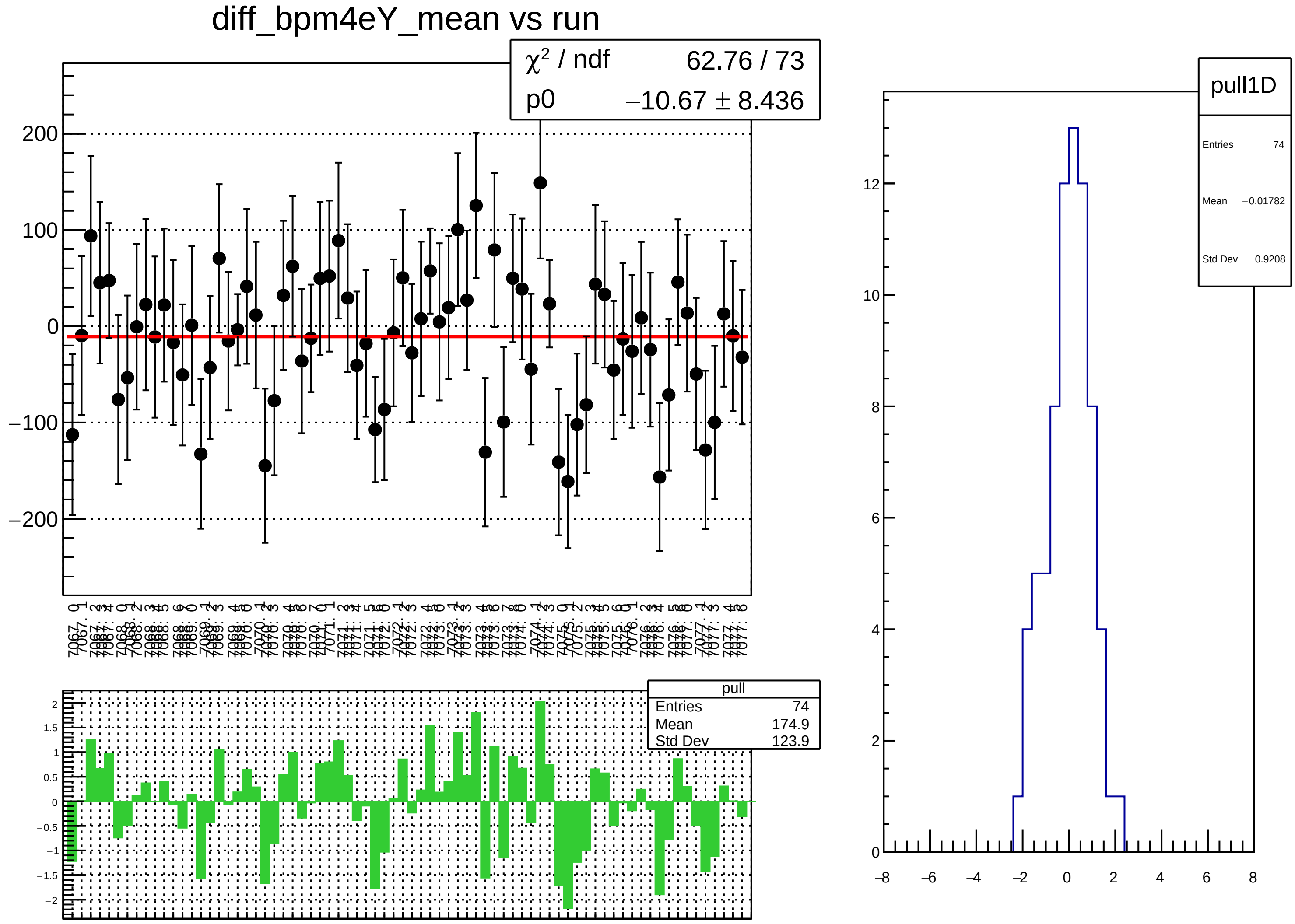


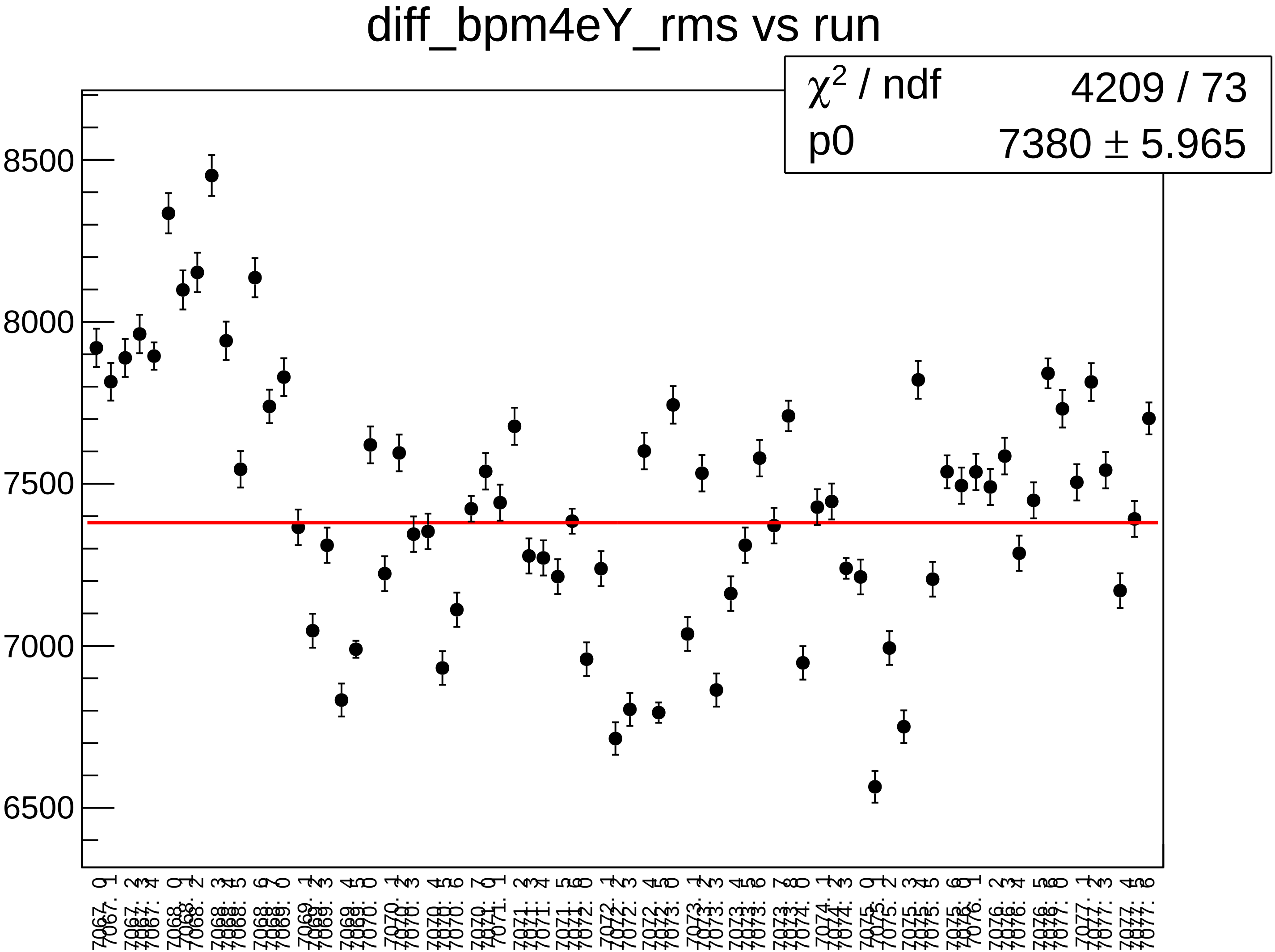
diff_bpm4aY_mean vs run
χ^2 / ndf 65.77 / 73
p0 −9.145 ± 8.256
pull
Entries 74
Mean 129.7
Std Dev 84.56
pull1D
Entries 74
Mean −0.03118
Std Dev 0.9423


diff_bpm4aY_rms vs run
χ2 / ndf 3230 / 73
p0 7225 ± 5.838
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400

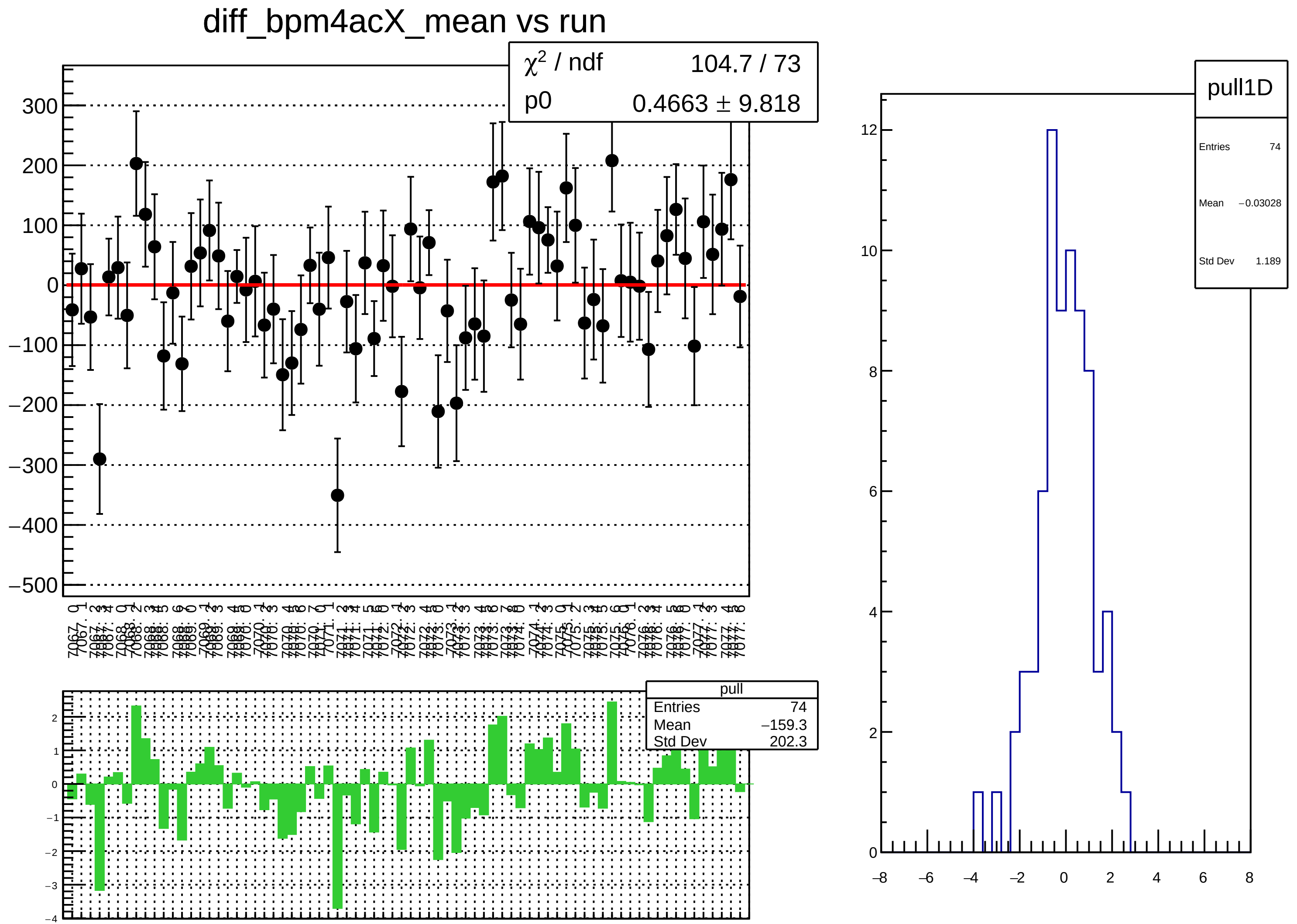

diff_bpm4eX_mean vs run
χ2 / ndf 104 / 73
p0 −2.253 ± 9.488
300
200
100
0
−100
−200
−300
−400
pull
Entries 74
Mean −149.3
Std Dev 192.2
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.03022
Std Dev 1.185
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4eX_rms vs run
χ2 / ndf 3379 / 73
p0 8303 ± 6.709
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600

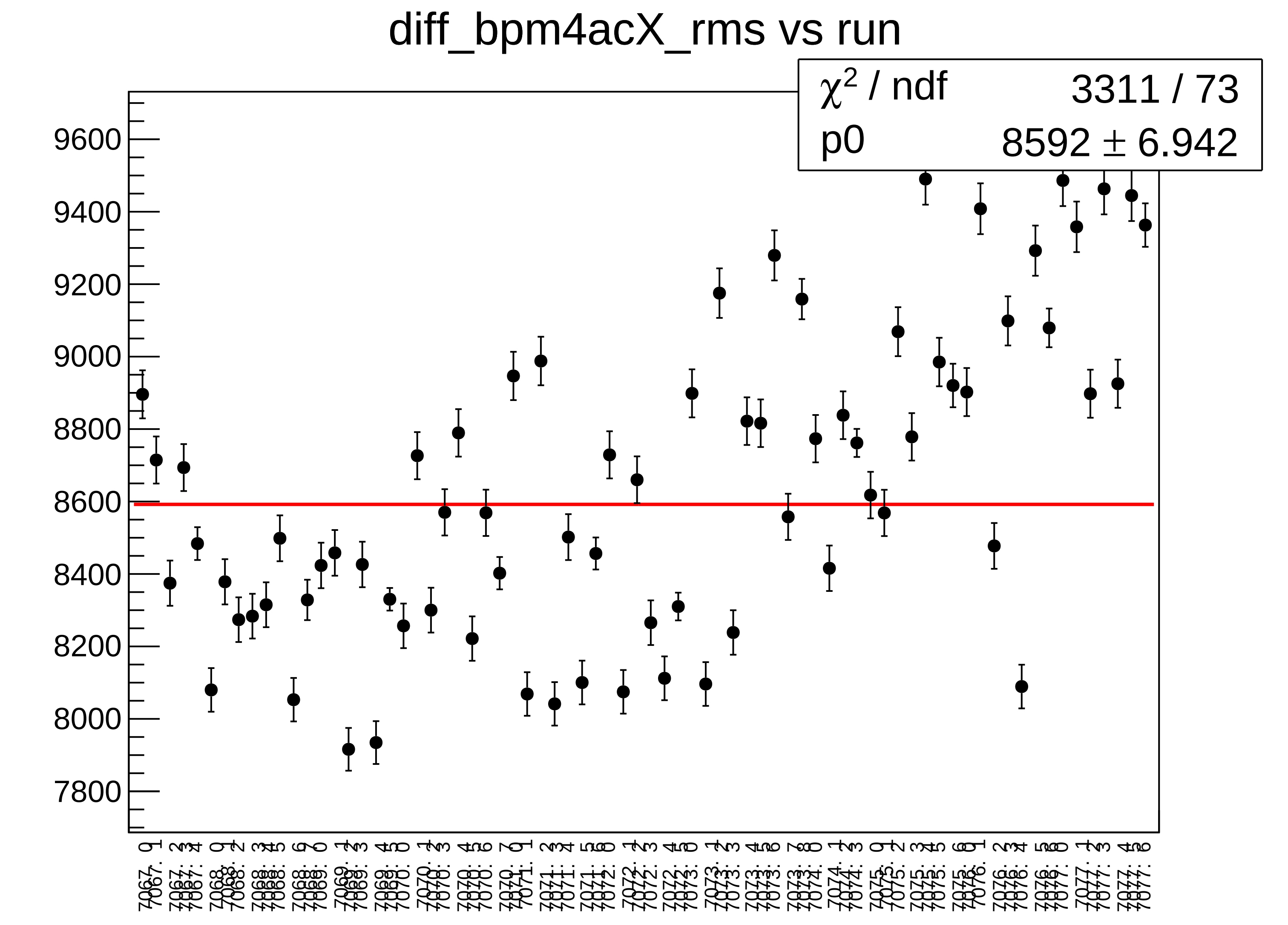

diff_bpm4eY_mean vs run
χ2 / ndf 62.76 / 73
p0 −10.67 ± 8.436
pull
Entries 74
Mean 174.9
Std Dev 123.9
pull1D
Entries 74
Mean −0.01782
Std Dev 0.9208

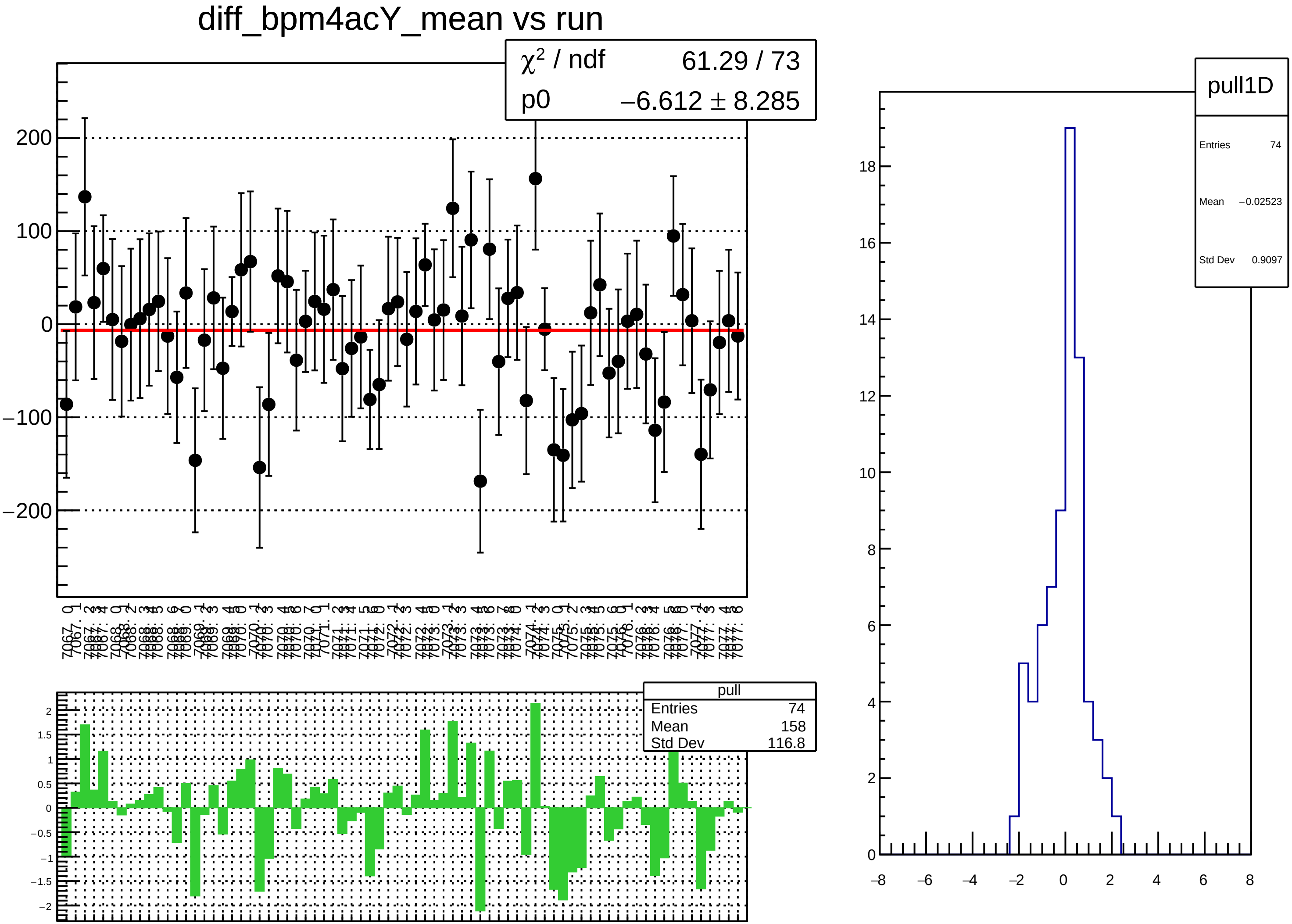


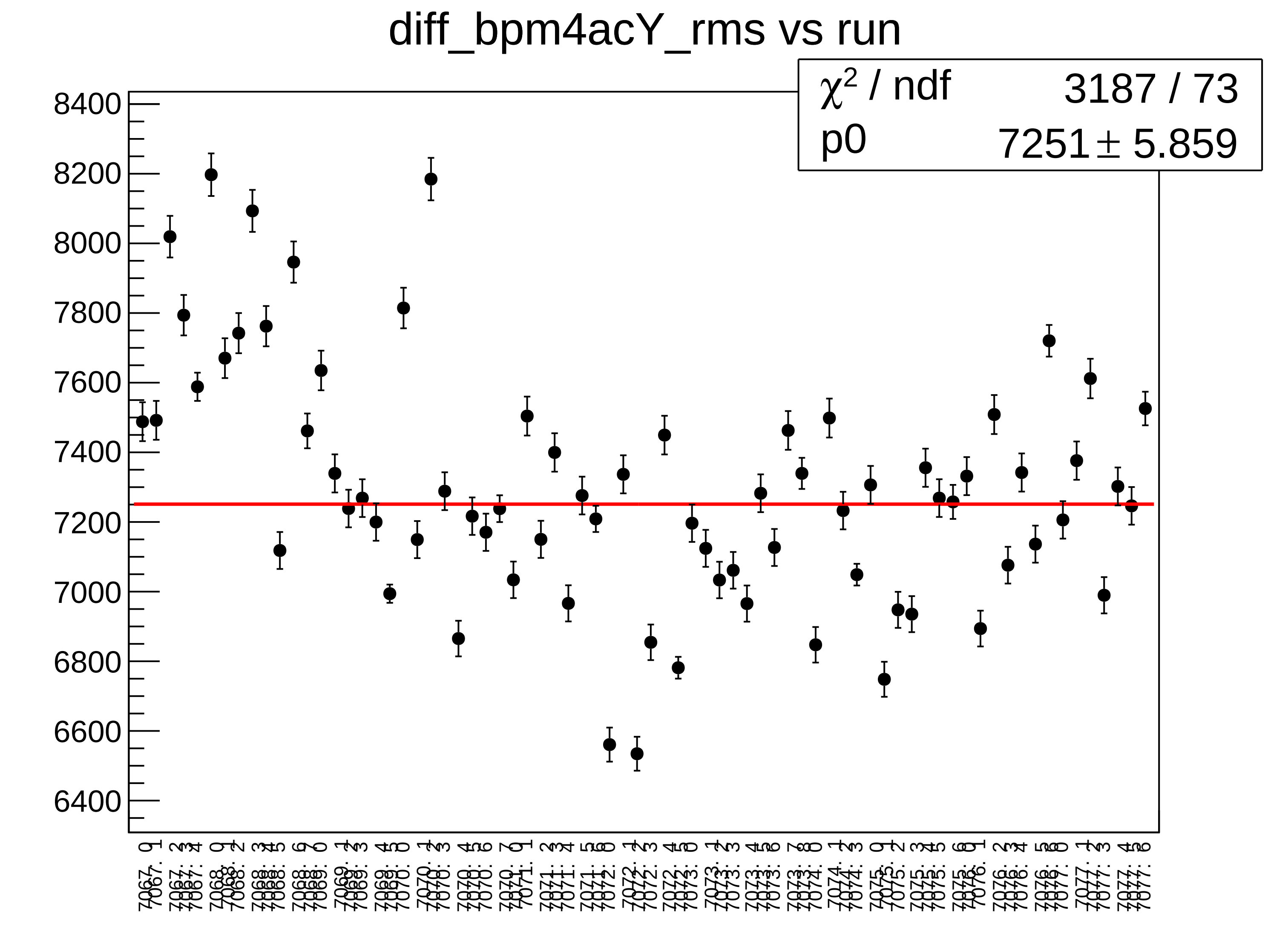
diff_bpm4eY_rms vs run
χ^2 / ndf 4209 / 73
p0 7380 ± 5.965
8500
8000
7500
7000
6500

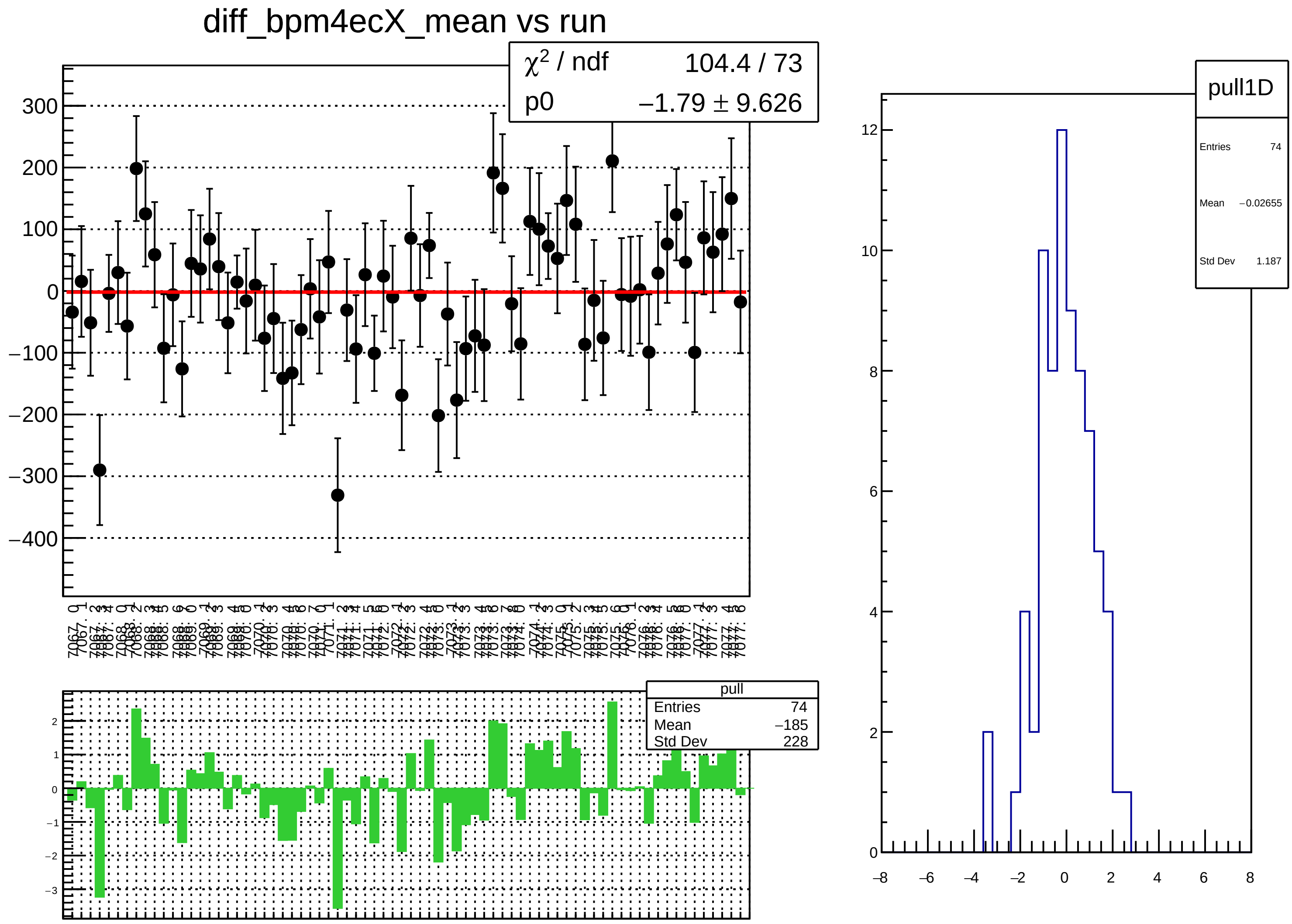


diff_bpm4acX_mean vs run
χ2 / ndf 104.7 / 73
p0 0.4663 ± 9.818
pull
Entries 74
Mean −159.3
Std Dev 202.3
pull1D
Entries 74
Mean −0.03028
Std Dev 1.189

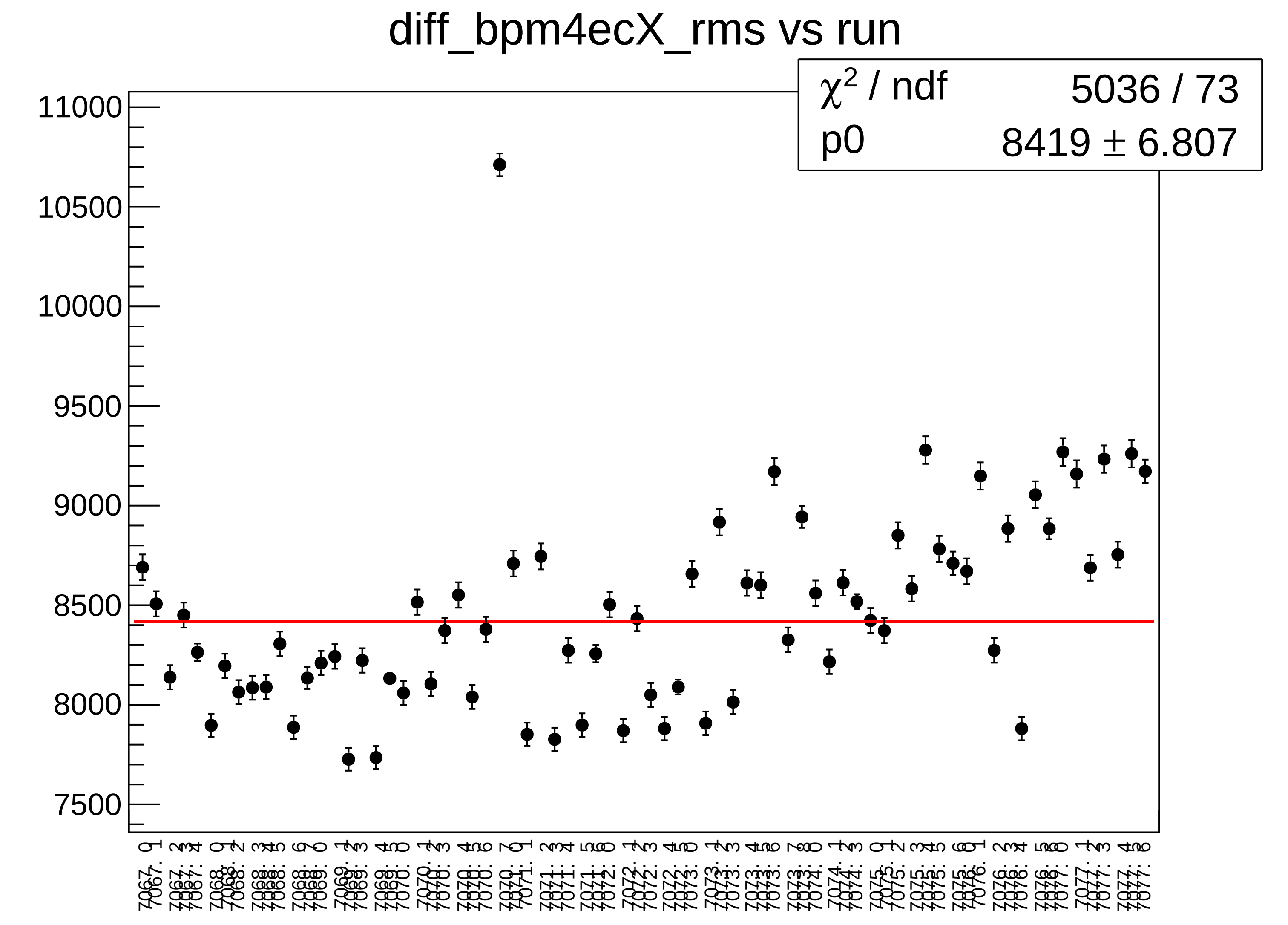

diff_bpm4acX_rms vs run
χ2 / ndf 3311 / 73
p0 8592 ± 6.942
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800

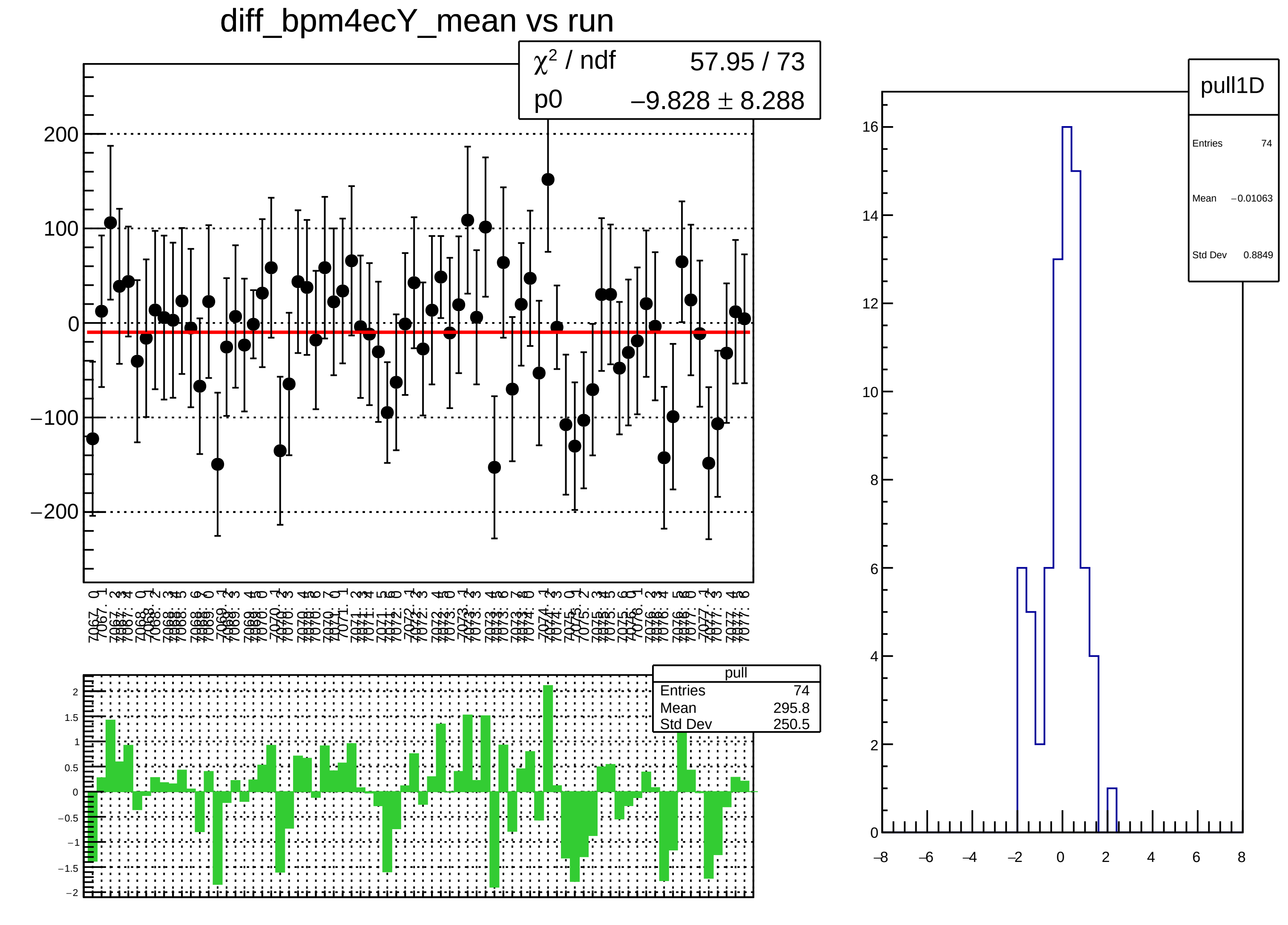

diff_bpm4acY_mean vs run
χ2 / ndf 61.29 / 73
p0 −6.612 ± 8.285
pull
Entries 74
Mean 158
Std Dev 116.8
pull1D
Entries 74
Mean −0.02523
Std Dev 0.9097


diff_bpm4acY_rms vs run
χ^2 / ndf 3187 / 73
p0 7251 ± 5.859
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400

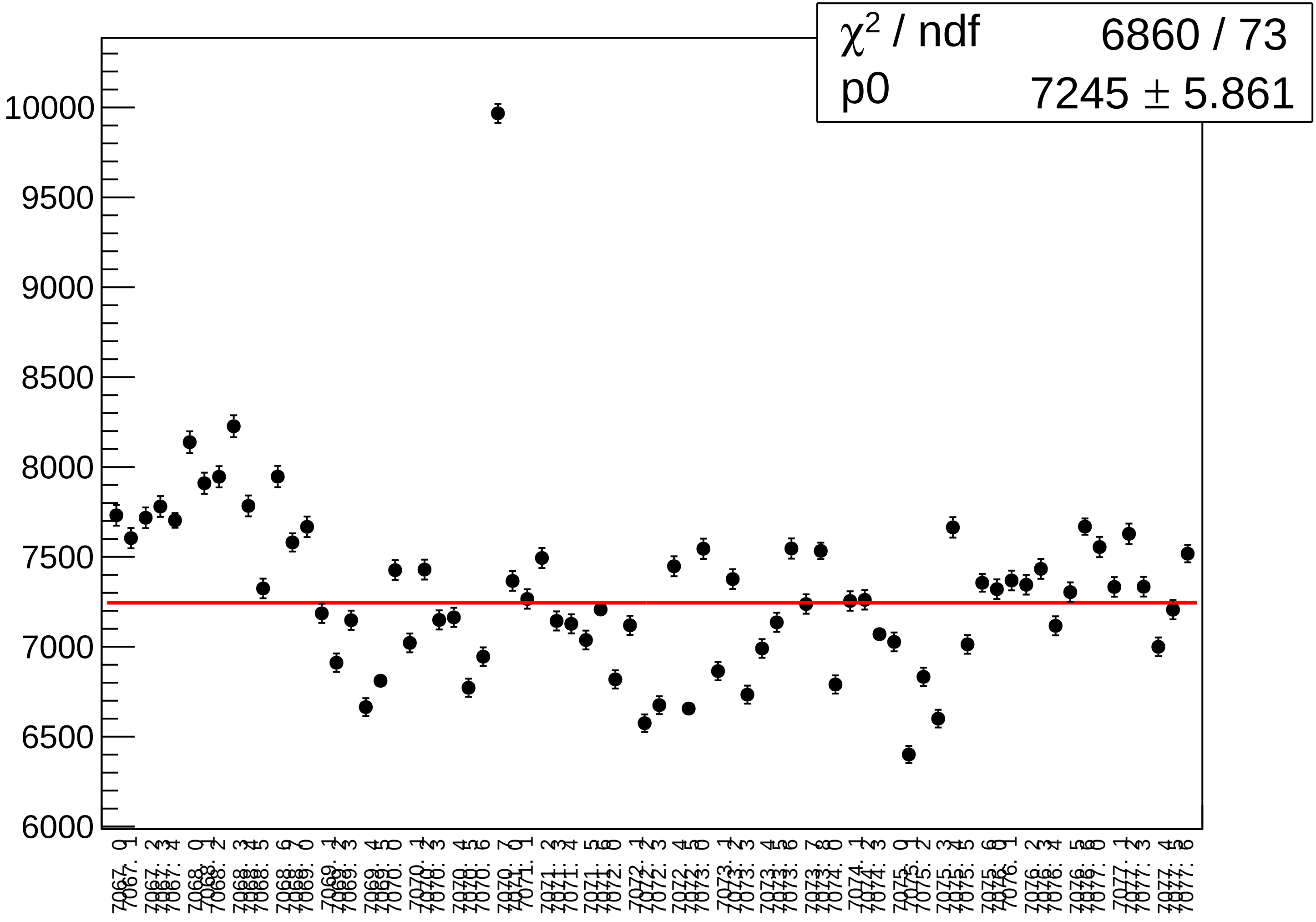


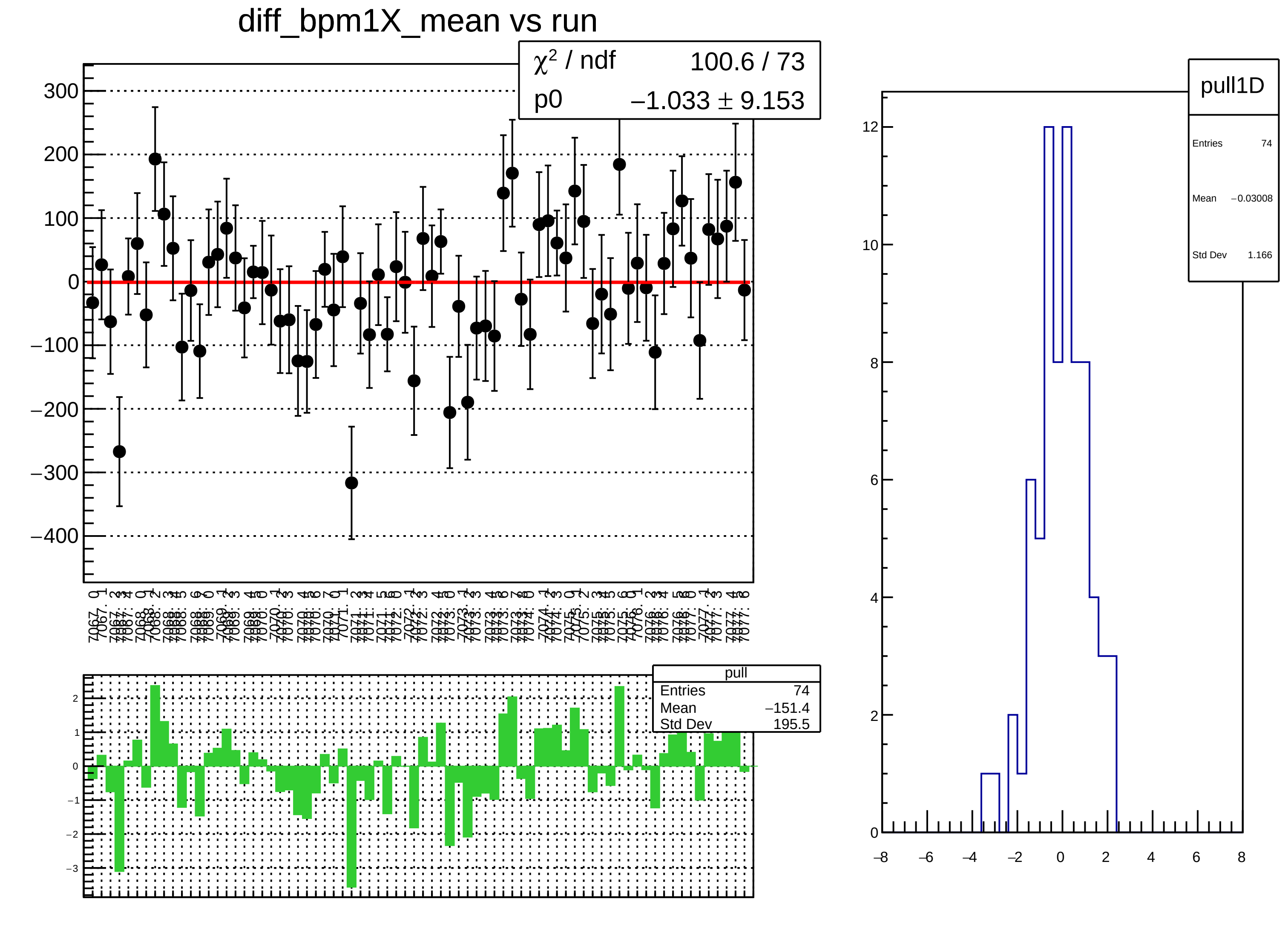
diff_bpm4ecX_mean vs run
χ^2 / ndf 104.4 / 73
p0 −1.79 ± 9.626
pull
Entries 74
Mean −185
Std Dev 228
pull1D
Entries 74
Mean −0.02655
Std Dev 1.187


diff_bpm4ecX_rms vs run
χ2 / ndf 5036 / 73
p0 8419 ± 6.807
11000
10500
10000
9500
9000
8500
8000
7500

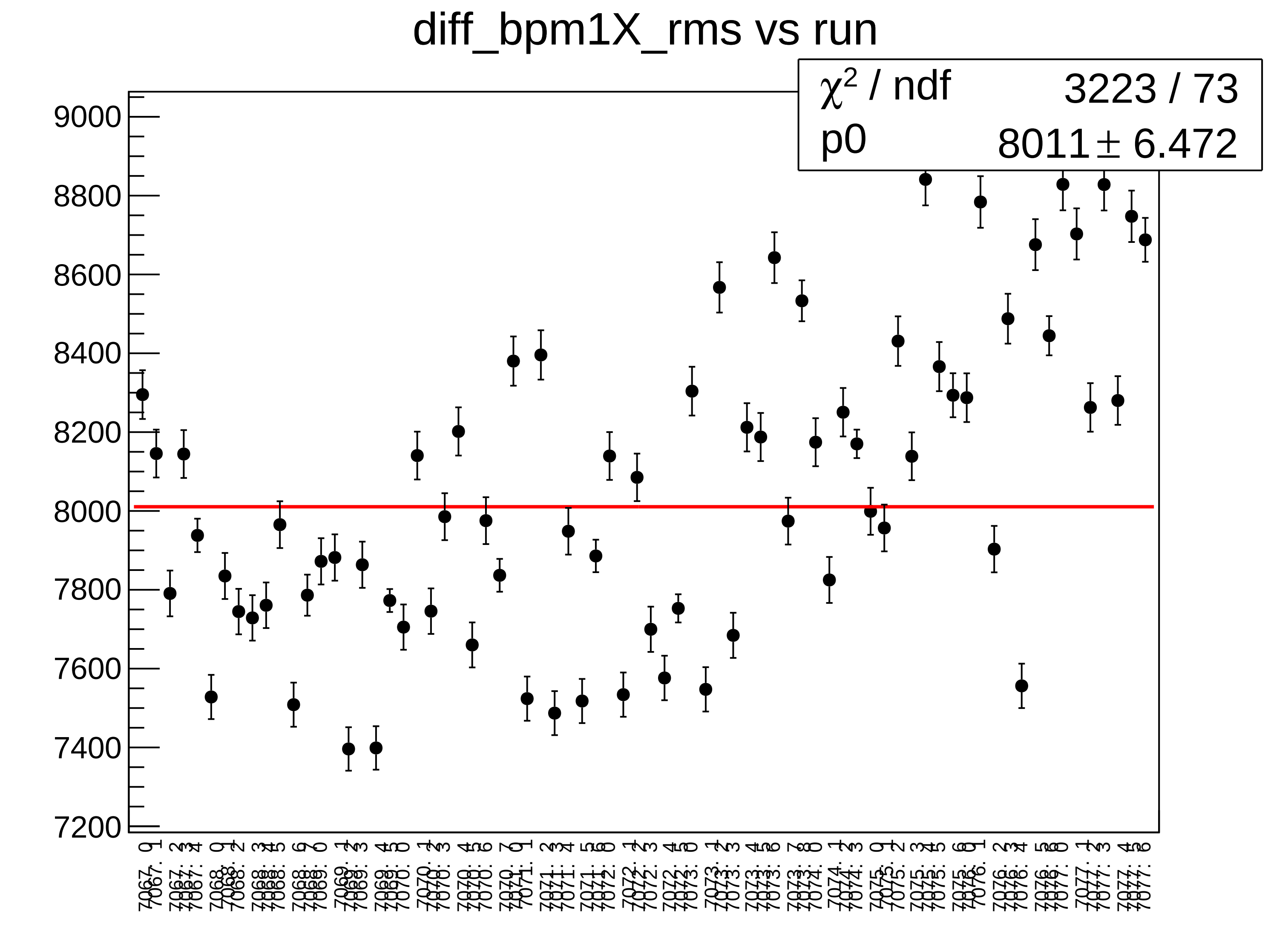

diff_bpm4ecY_mean vs run
χ^2 / ndf 57.95 / 73
p0 −9.828 ± 8.288
pull
Entries 74
Mean 295.8
Std Dev 250.5
pull1D
Entries 74
Mean −0.01063
Std Dev 0.8849

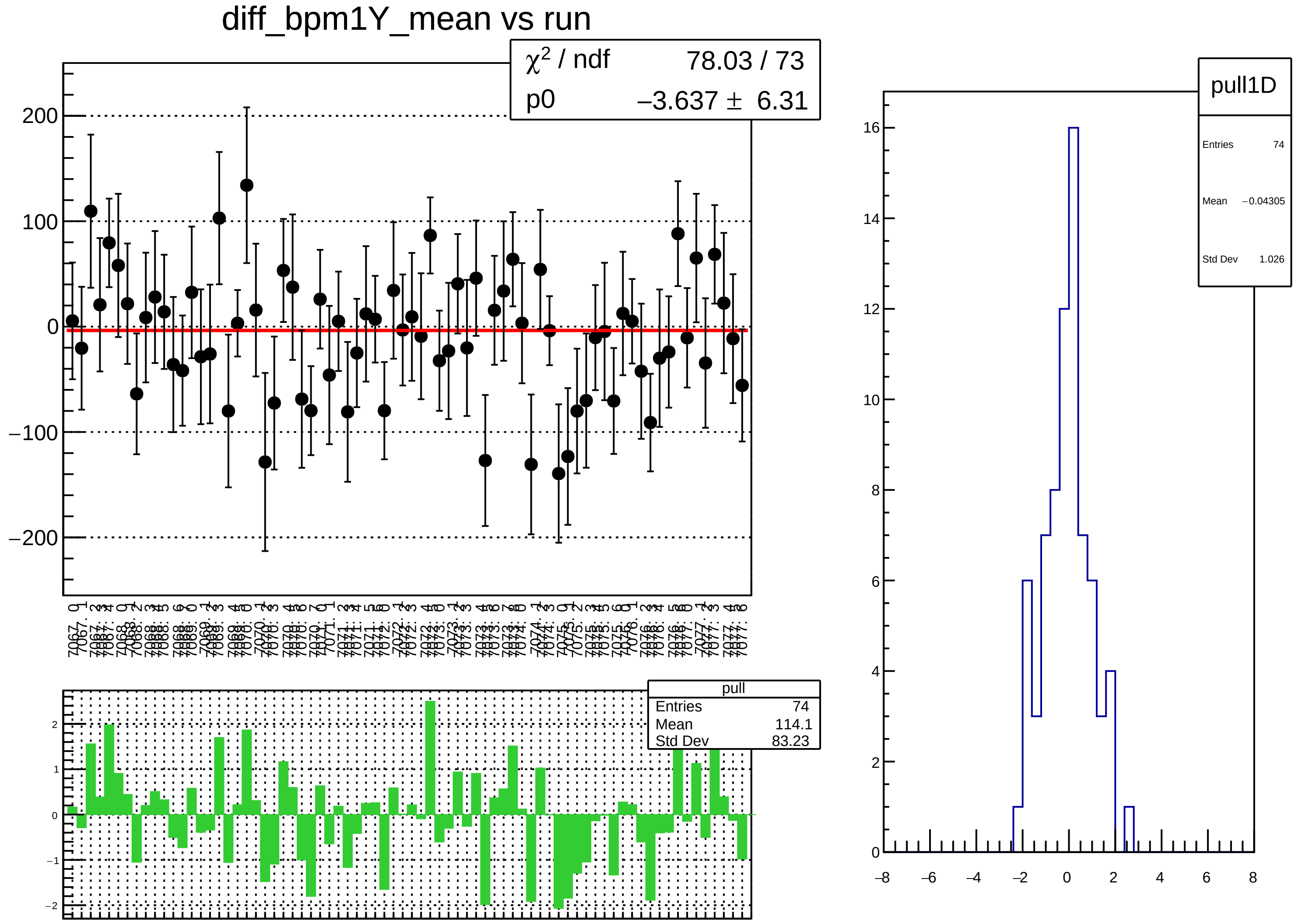
diff_bpm4ecY_rms vs run



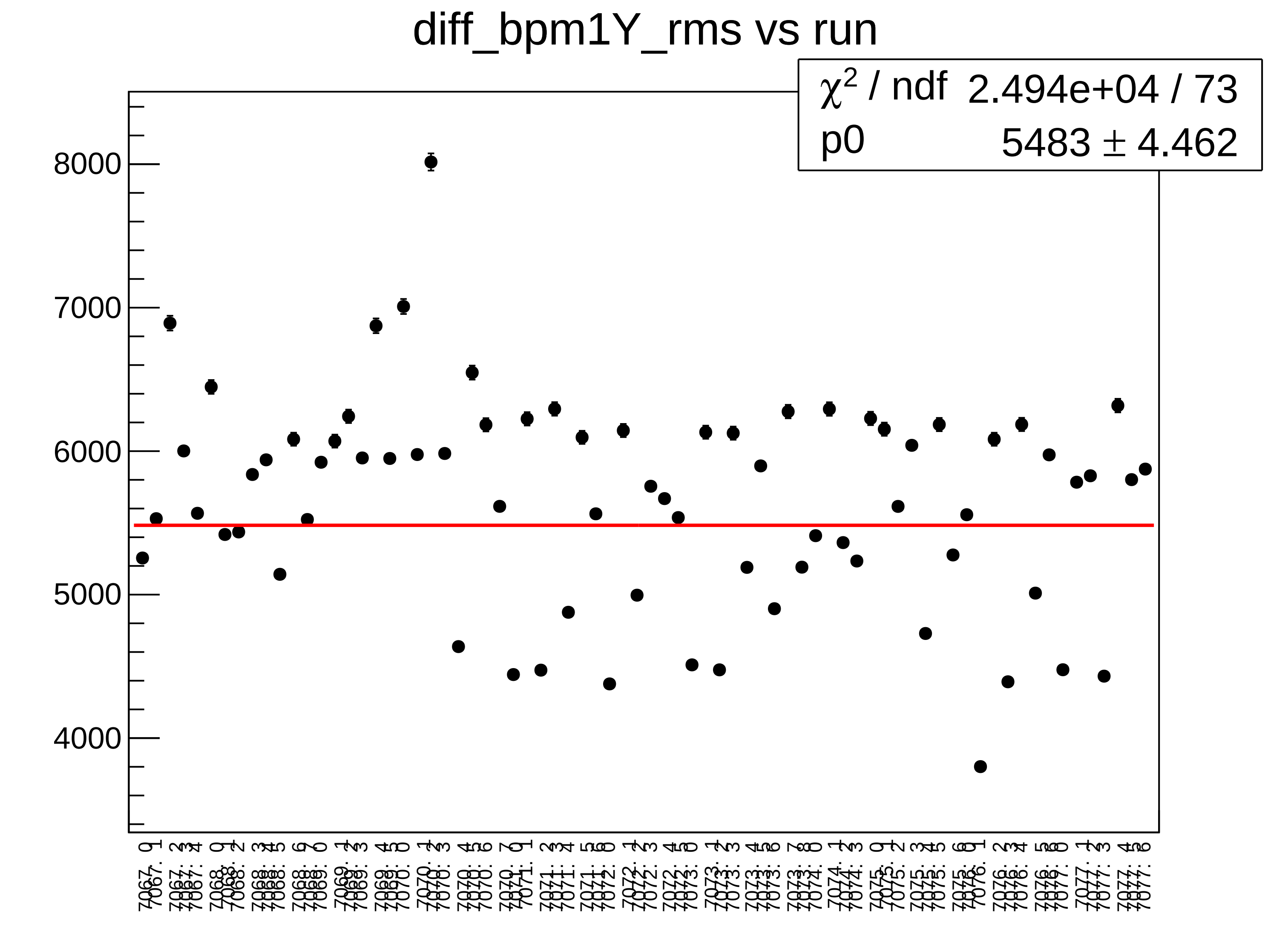


diff_bpm1X_mean vs run
χ^2 / ndf 100.6 / 73
p0 −1.033 ± 9.153
300
200
100
0
−100
−200
−300
−400
pull
Entries 74
Mean −151.4
Std Dev 195.5
pull1D
Entries 74
Mean −0.03008
Std Dev 1.166

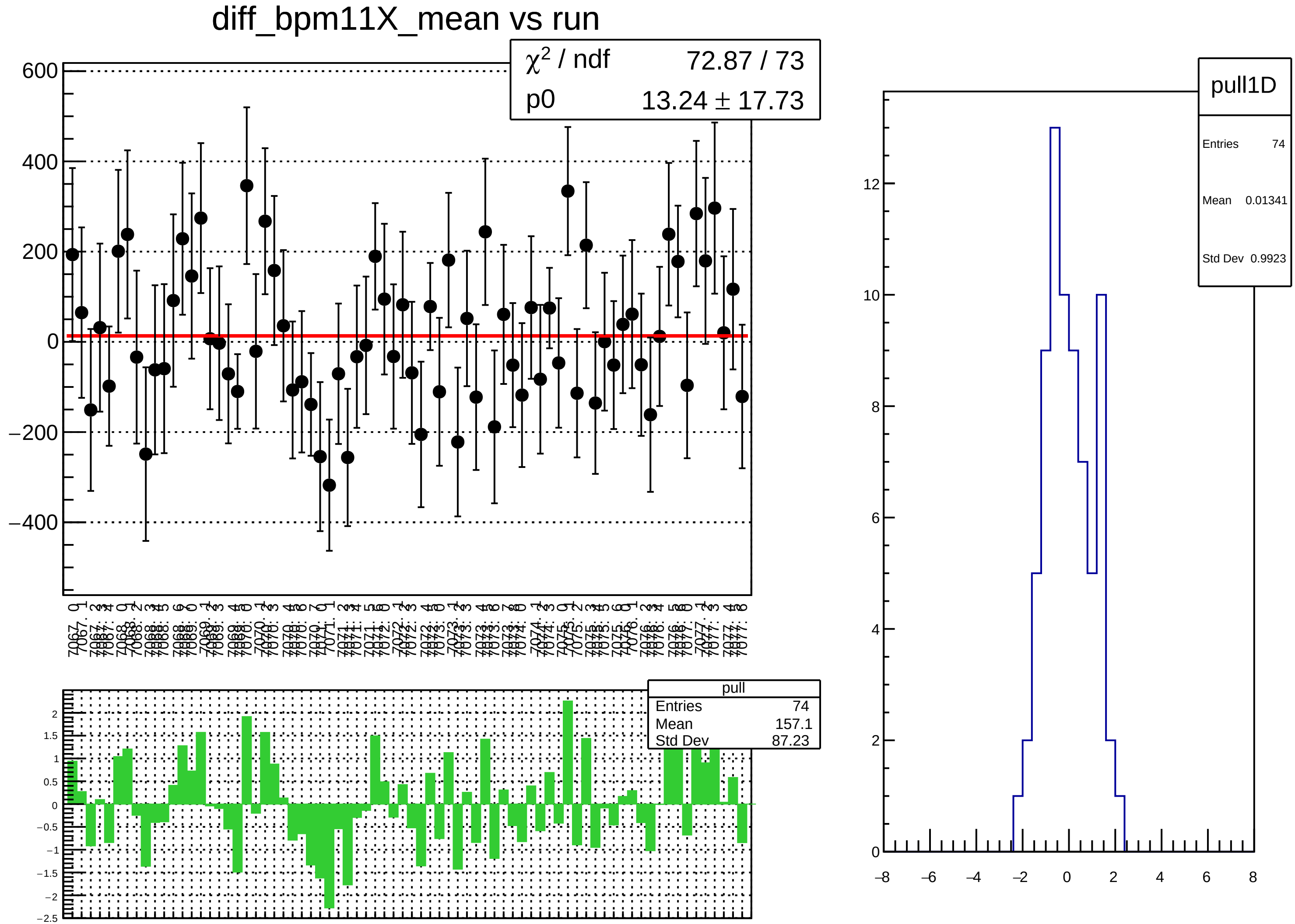

diff_bpm1X_rms vs run
χ2 / ndf 3223 / 73
p0 8011 ± 6.472
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200



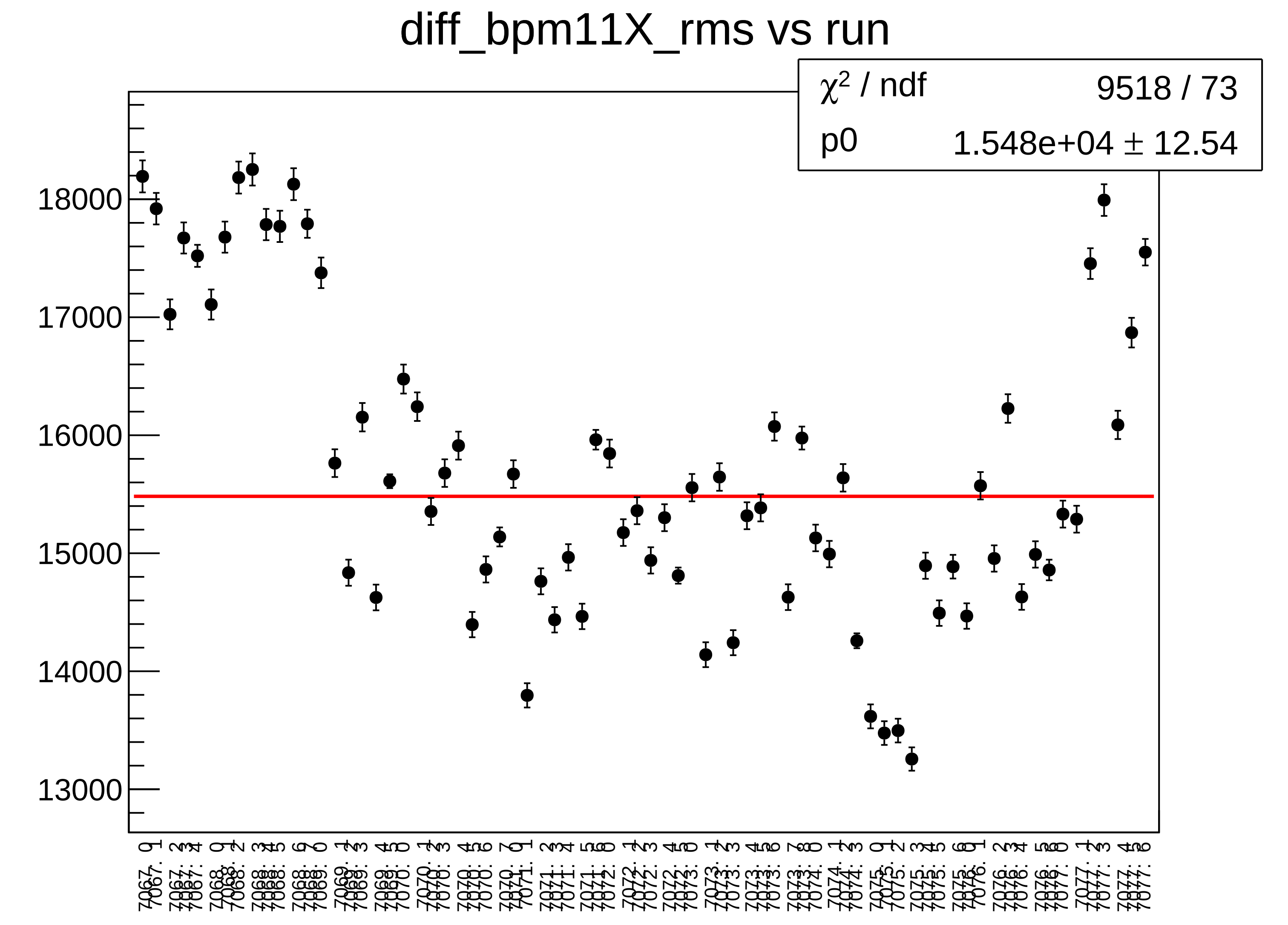
diff_bpm1Y_mean vs run
χ^2 / ndf 78.03 / 73
p0 −3.637 ± 6.31
200
100
0
−100
−200
pull
Entries 74
Mean 114.1
Std Dev 83.23
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.04305
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

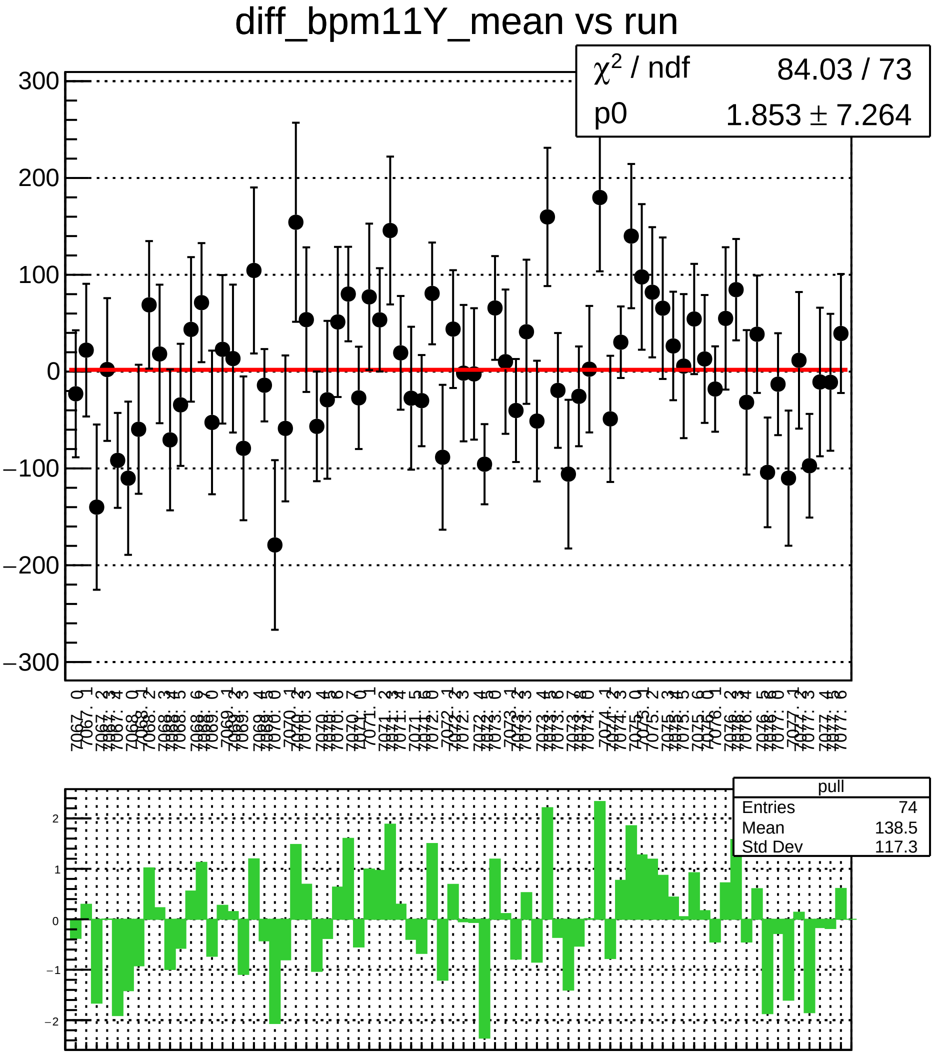


diff_bpm1Y_rms vs run
χ^2 / ndf 2.494e+04 / 73
p0 5483 ± 4.462
8000
7000
6000
5000
4000

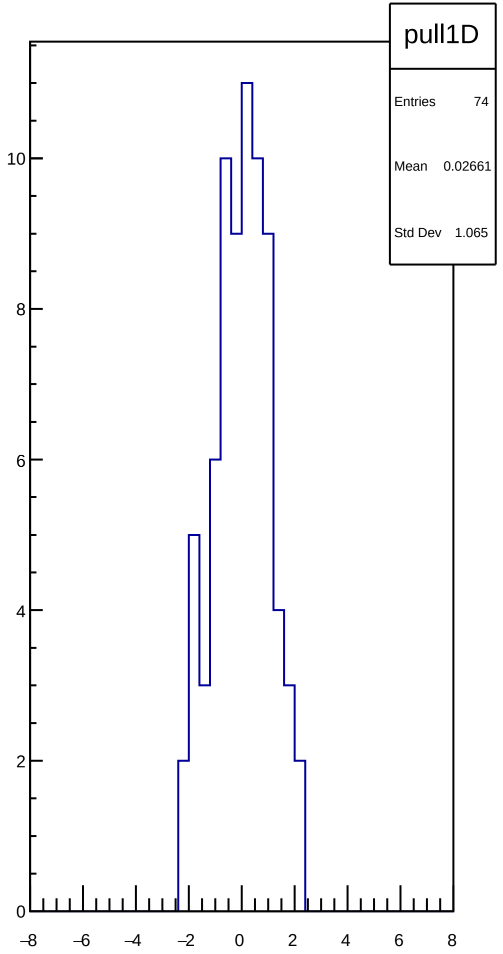


diff_bpm11X_mean vs run
χ^2 / ndf 72.87 / 73
p0 13.24 ± 17.73
600
400
200
0
−200
−400
pull
Entries 74
Mean 157.1
Std Dev 87.23
pull1D
Entries 74
Mean 0.01341
Std Dev 0.9923

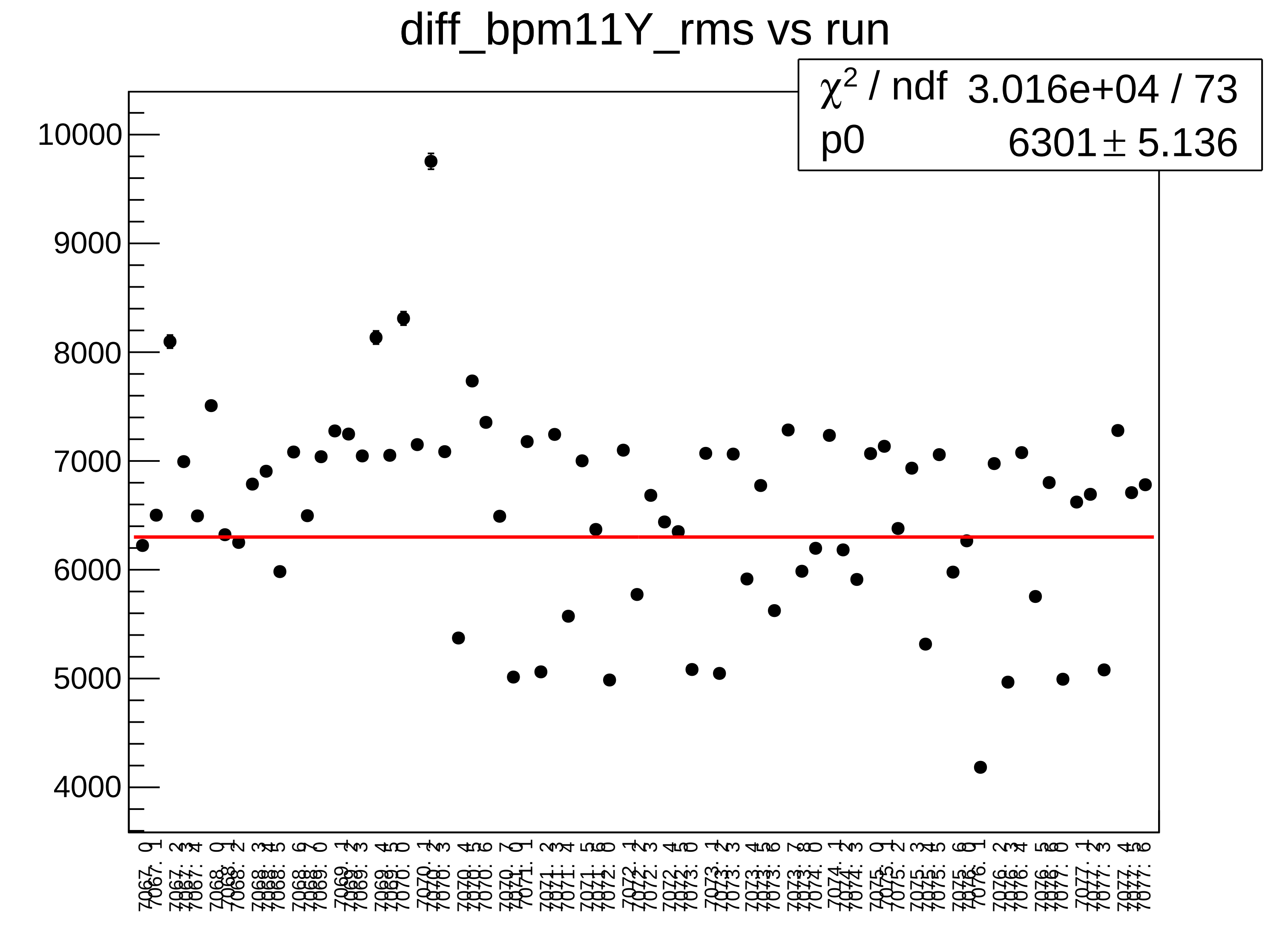

diff_bpm11X_rms vs run
χ2 / ndf 9518 / 73
p0 1.548e+04 ± 12.54
18000
17000
16000
15000
14000
13000



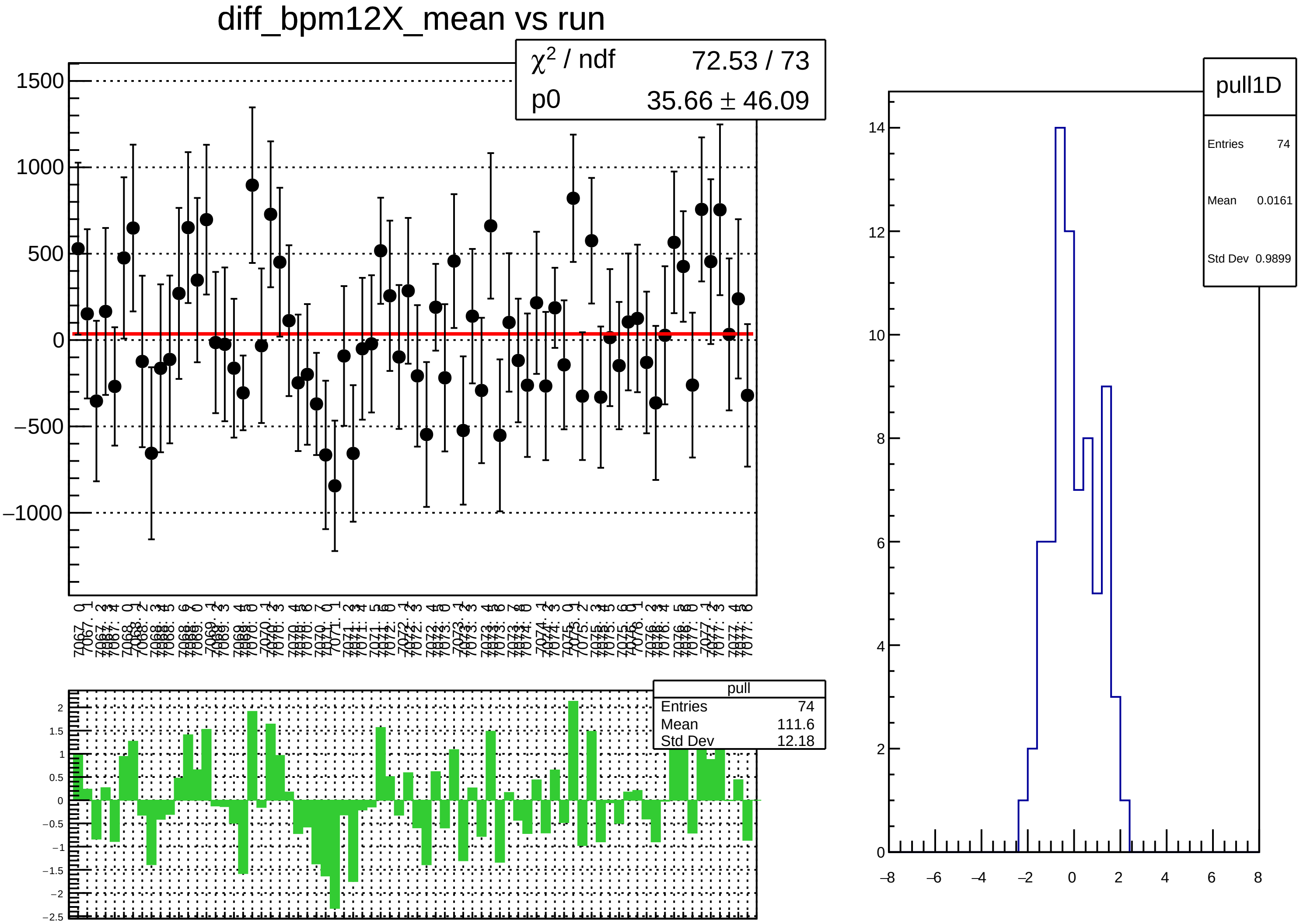
diff_bpm11Y_mean vs run
χ^2 / ndf 84.03 / 73
p0 1.853 ± 7.264
pull
Entries 74
Mean 138.5
Std Dev 117.3



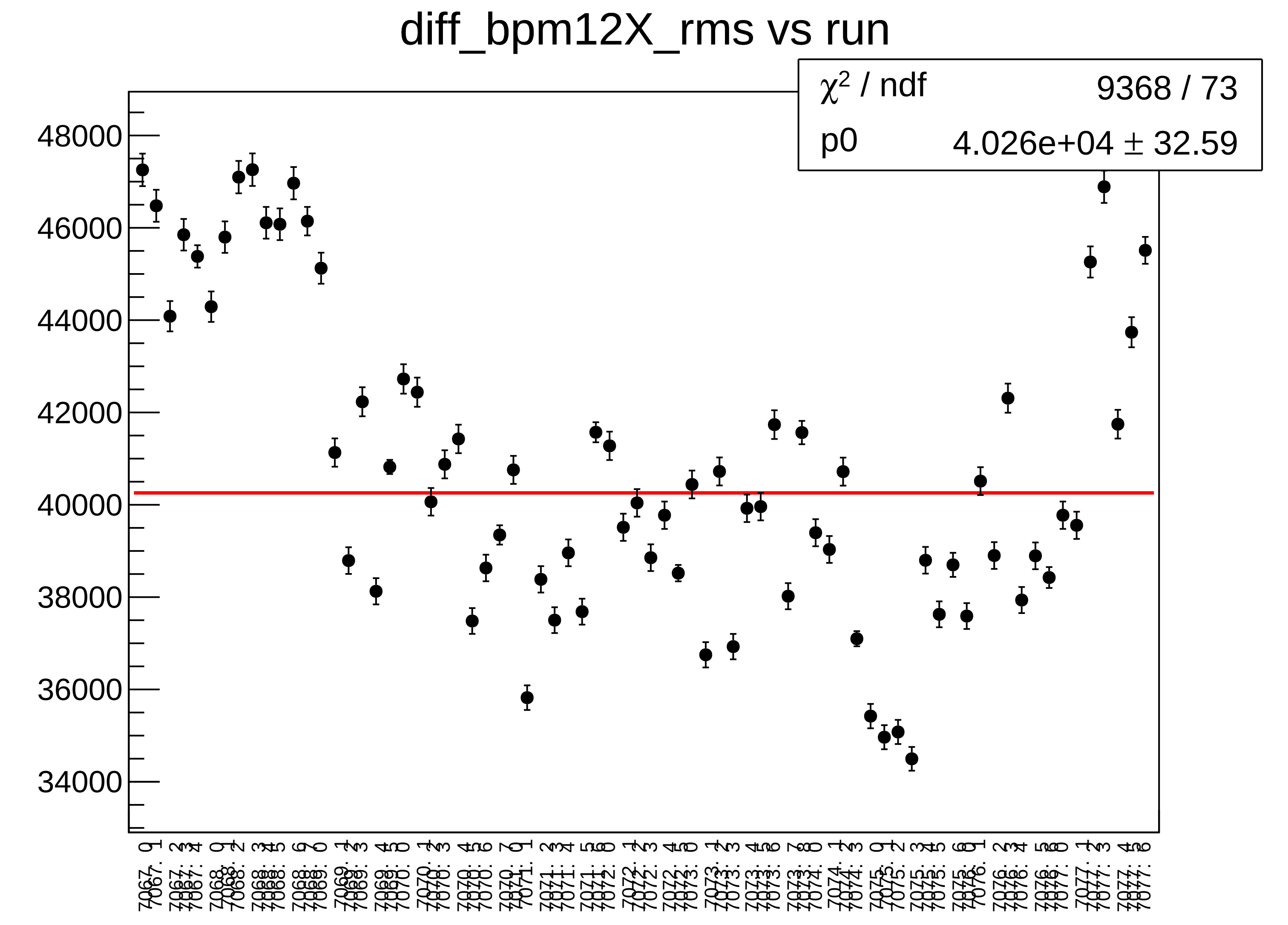
pull1D
Entries 74
Mean 0.02661
Std Dev 1.065

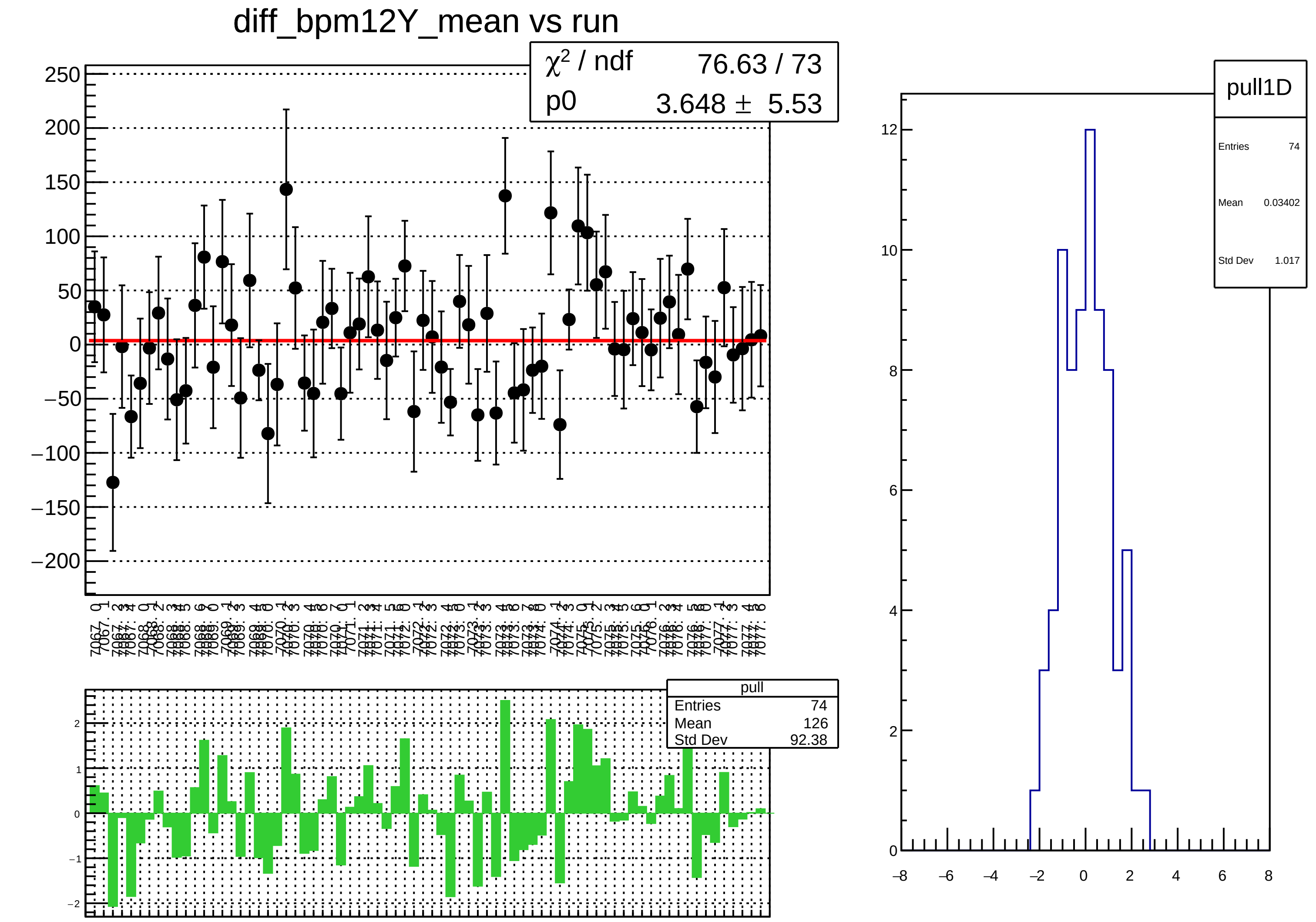


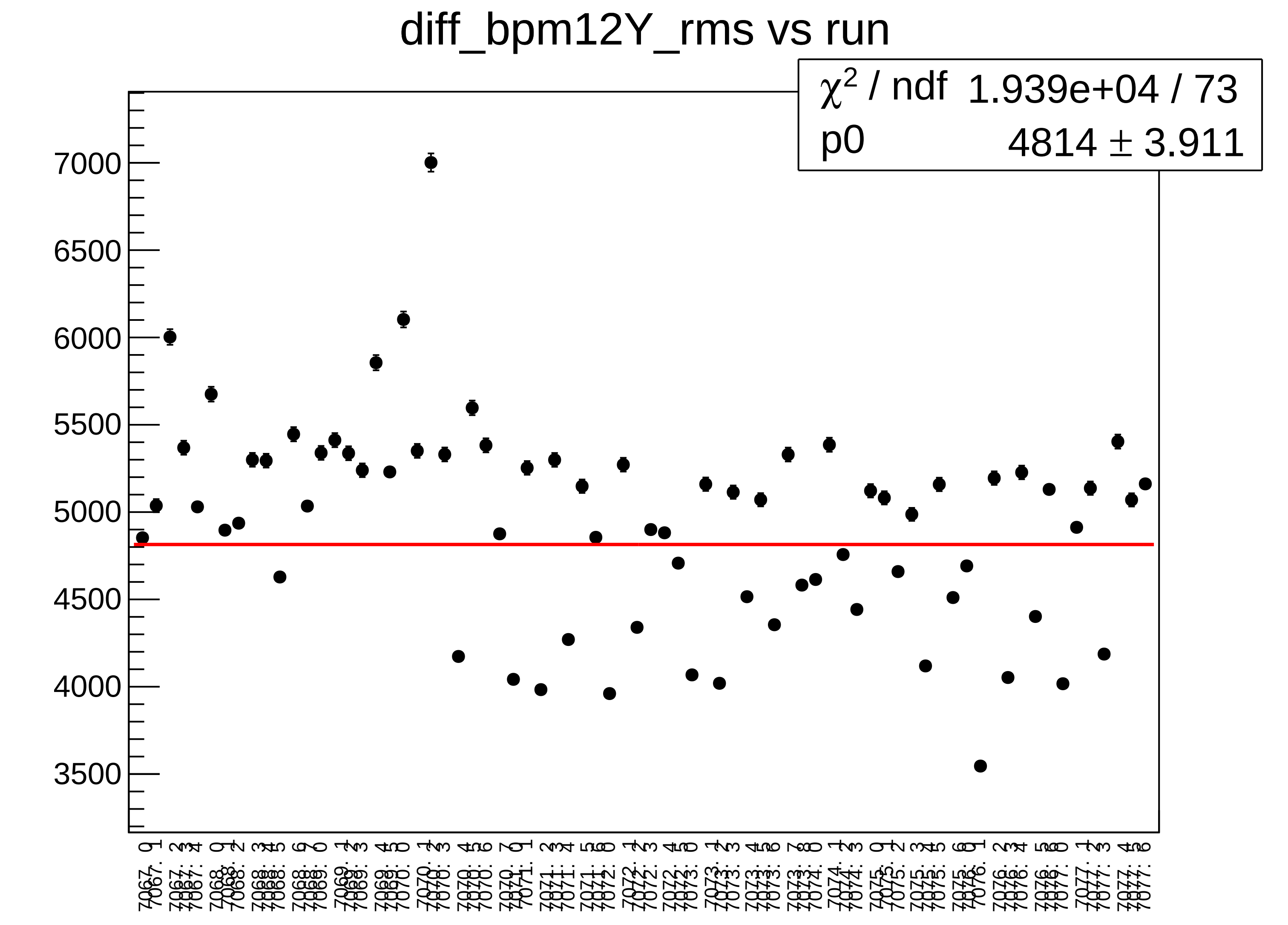
diff_bpm11Y_rms vs run
χ^2 / ndf 3.016e+04 / 73
p0 6301 ± 5.136
10000
9000
8000
7000
6000
5000
4000

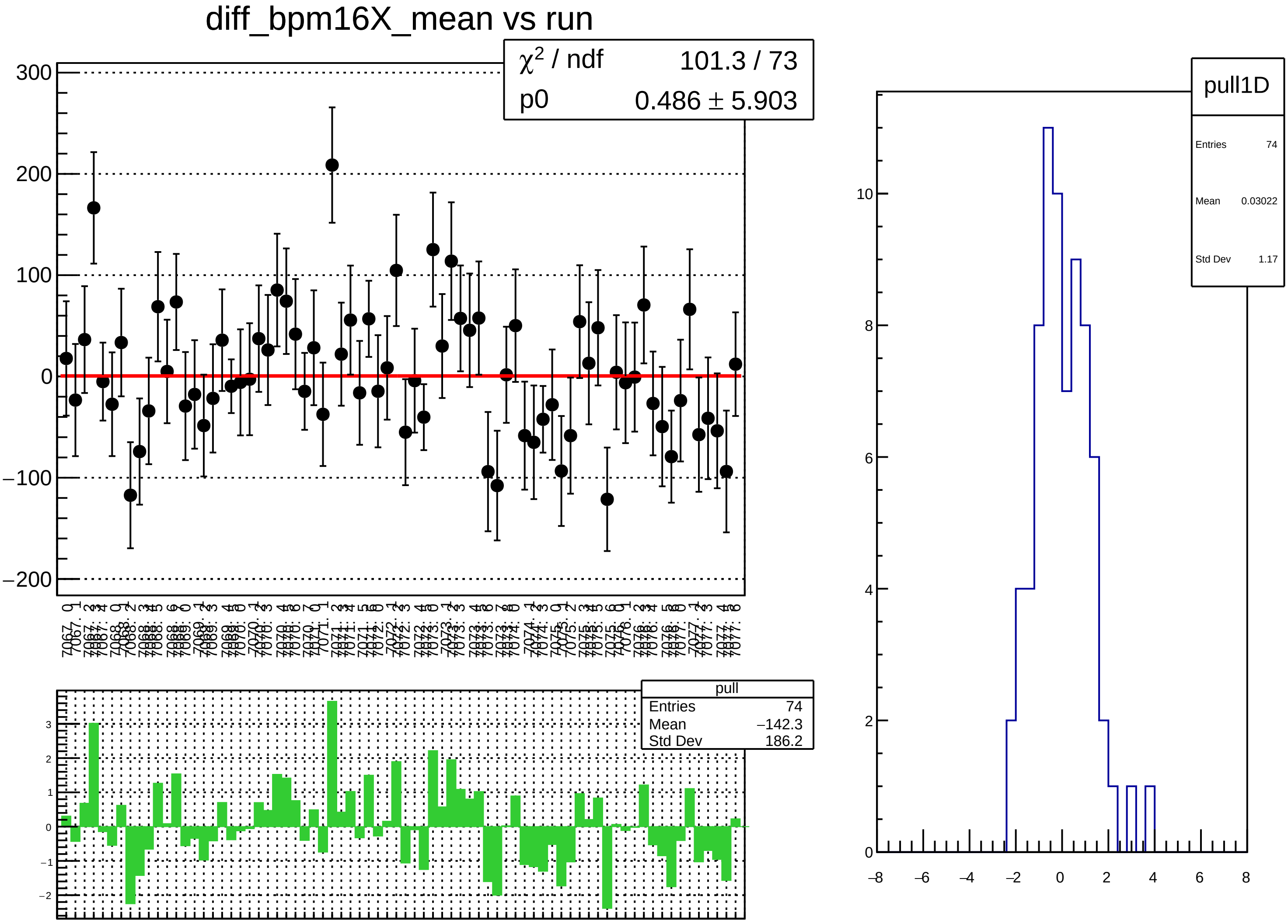


diff_bpm12X_mean vs run
χ2 / ndf 72.53 / 73
p0 35.66 ± 46.09
pull
Entries 74
Mean 111.6
Std Dev 12.18
pull1D
Entries 74
Mean 0.0161
Std Dev 0.9899

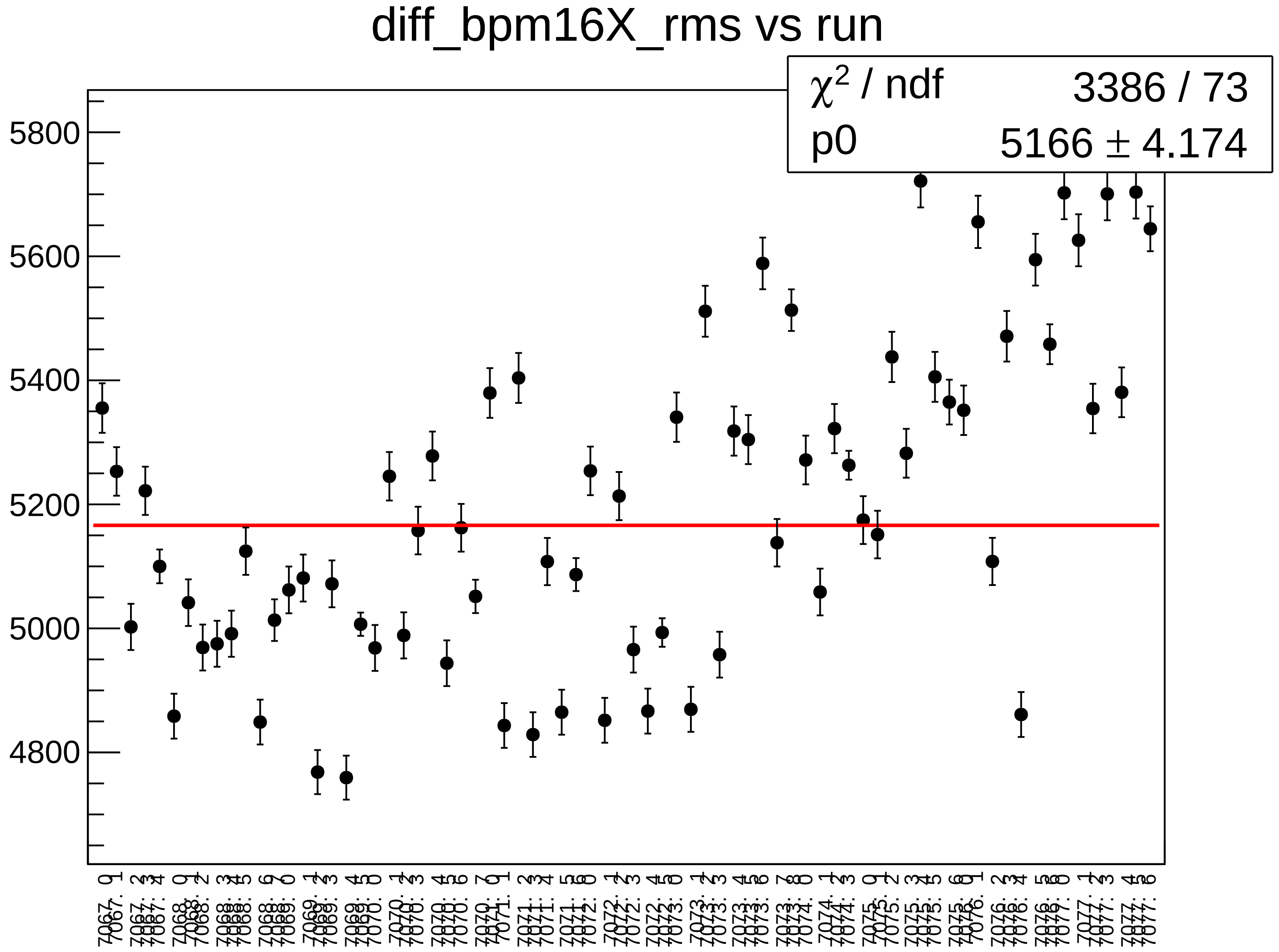

diff_bpm12X_rms vs run
χ2 / ndf 9368 / 73
p0 4.026e+04 ± 32.59
48000
46000
44000
42000
40000
38000
36000
34000

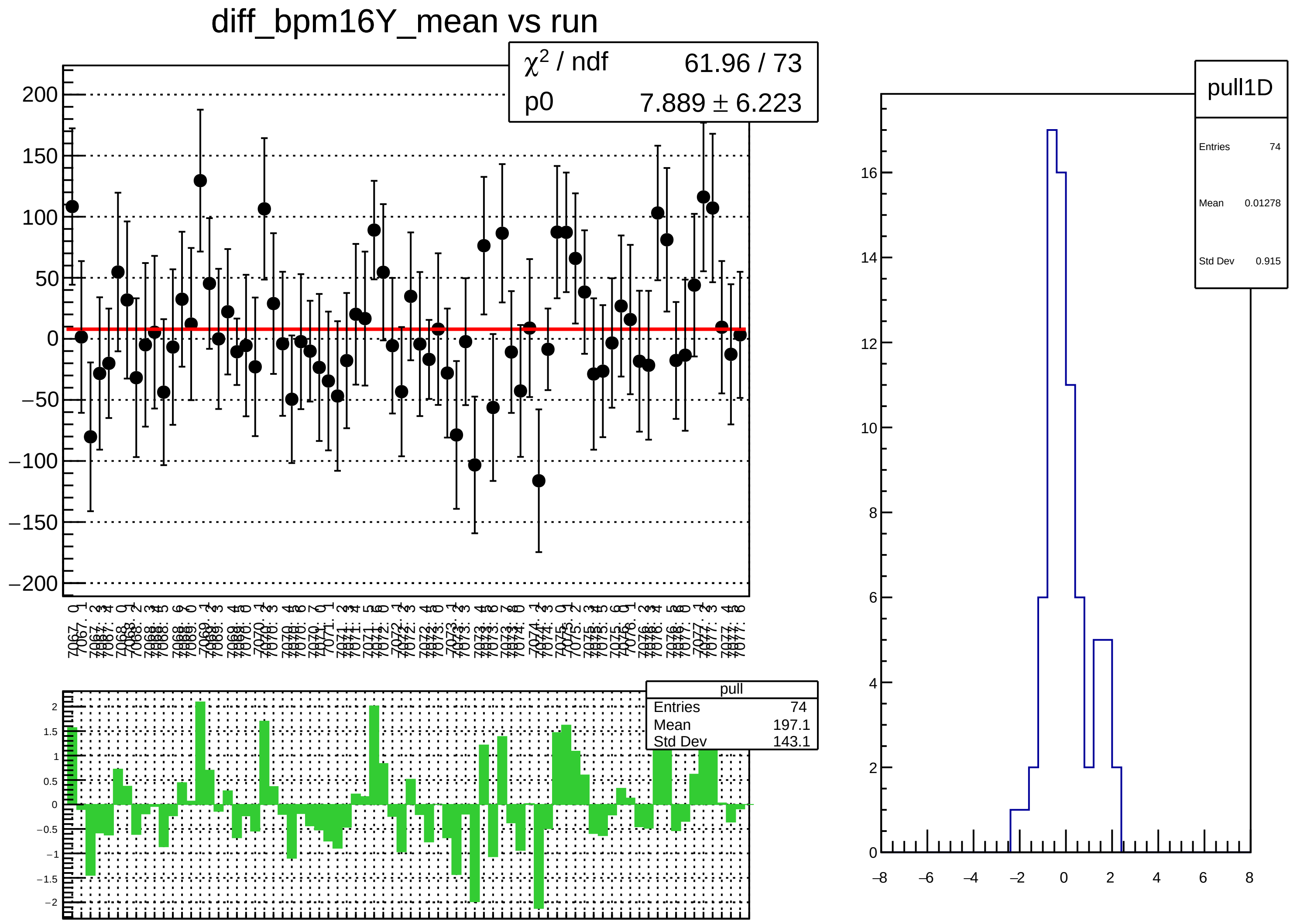

diff_bpm12Y_mean vs run
χ^2 / ndf 76.63 / 73
p0 3.648 ± 5.53
pull
Entries 74
Mean 126
Std Dev 92.38
pull1D
Entries 74
Mean 0.03402
Std Dev 1.017

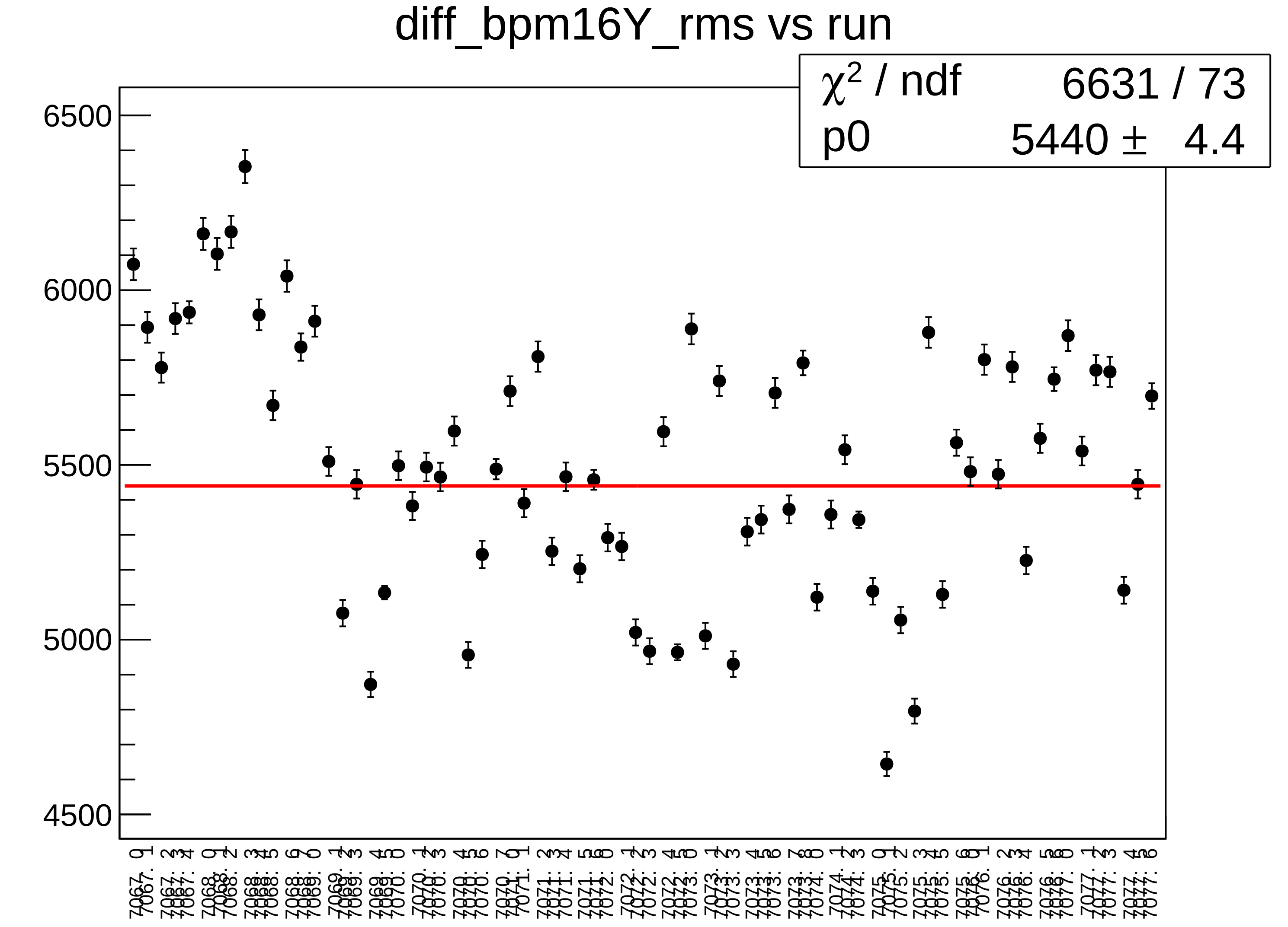

diff_bpm12Y_rms vs run
χ^2 / ndf 1.939e+04 / 73
p0 4814 ± 3.911
7000
6500
6000
5500
5000
4500
4000
3500

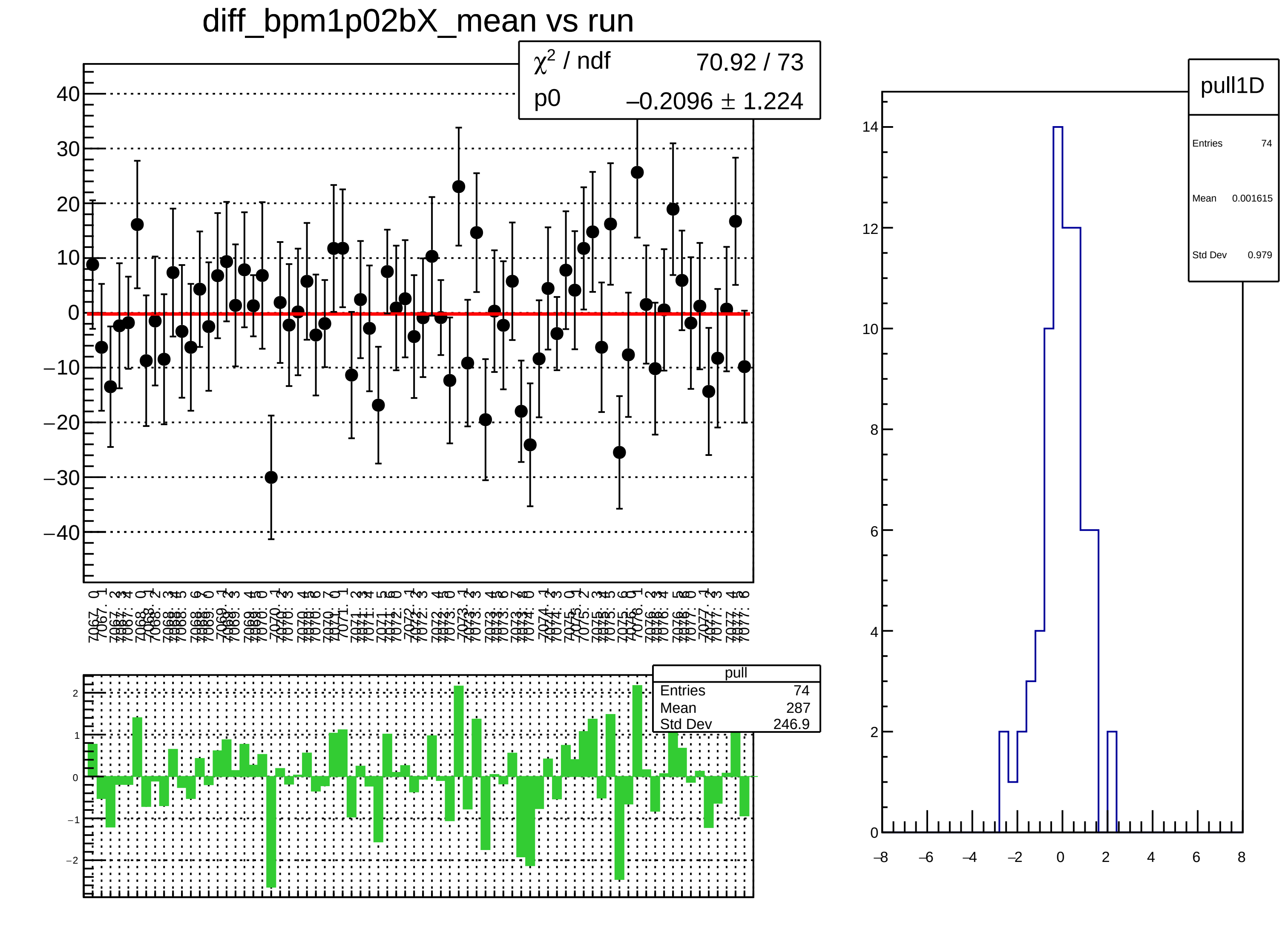


diff_bpm16X_mean vs run
χ^2 / ndf 101.3 / 73
p0 0.486 ± 5.903
pull
Entries 74
Mean −142.3
Std Dev 186.2
pull1D
Entries 74
Mean 0.03022
Std Dev 1.17

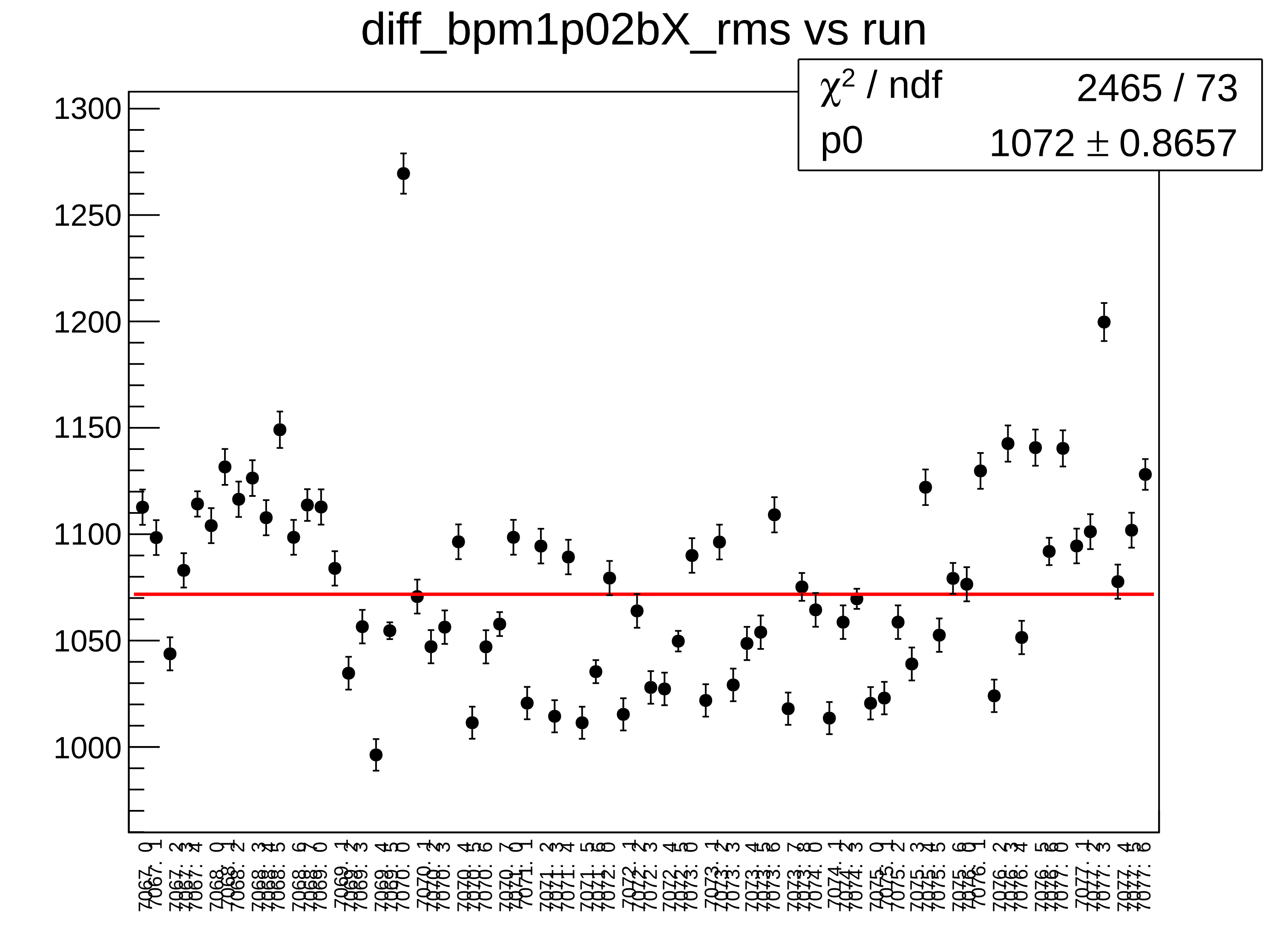

diff_bpm16X_rms vs run
χ2 / ndf 3386 / 73
p0 5166 ± 4.174
5800
5600
5400
5200
5000
4800

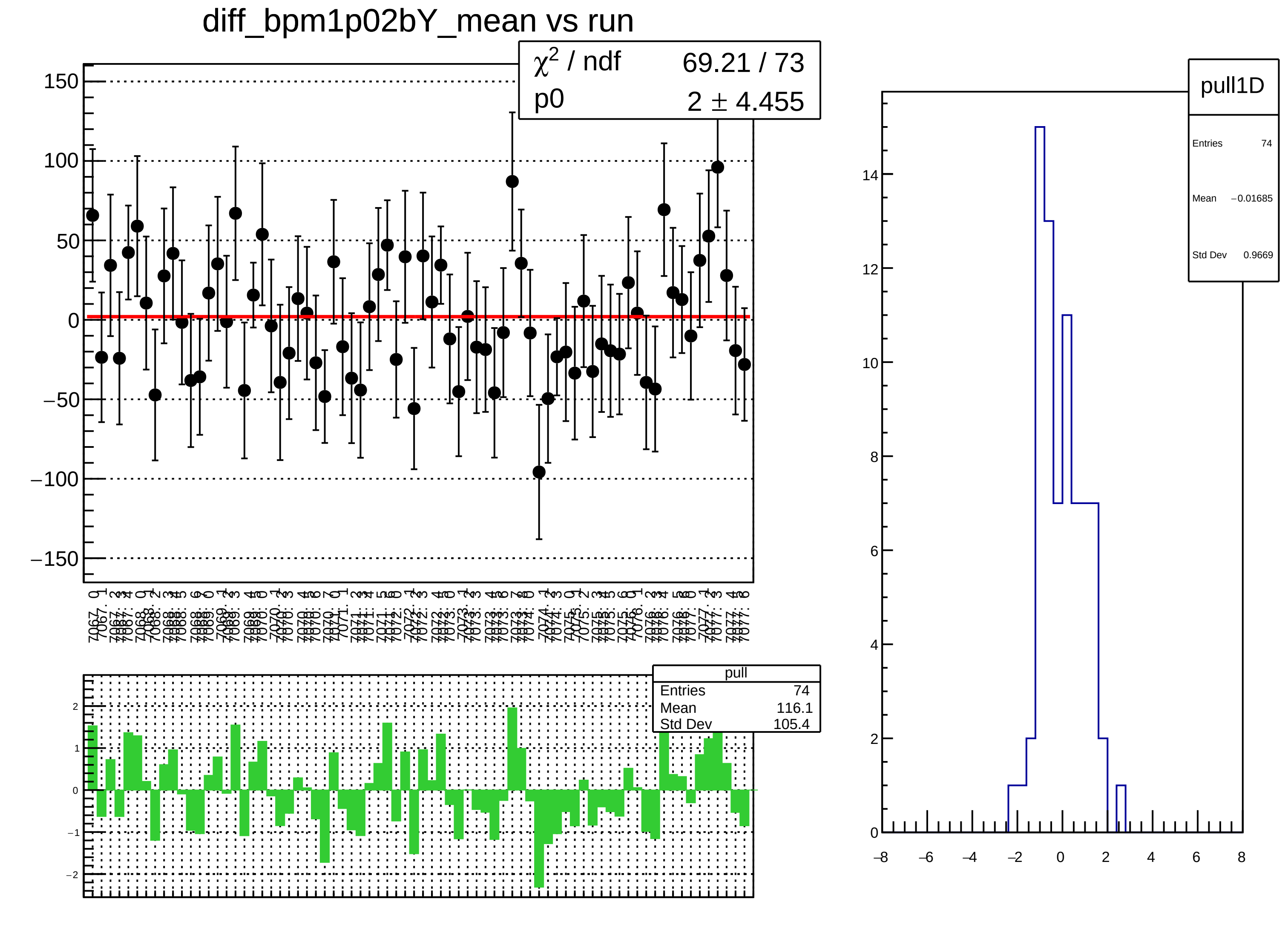

diff_bpm16Y_mean vs run
χ^2 / ndf 61.96 / 73
p0 7.889 ± 6.223
pull
Entries 74
Mean 197.1
Std Dev 143.1
pull1D
Entries 74
Mean 0.01278
Std Dev 0.915

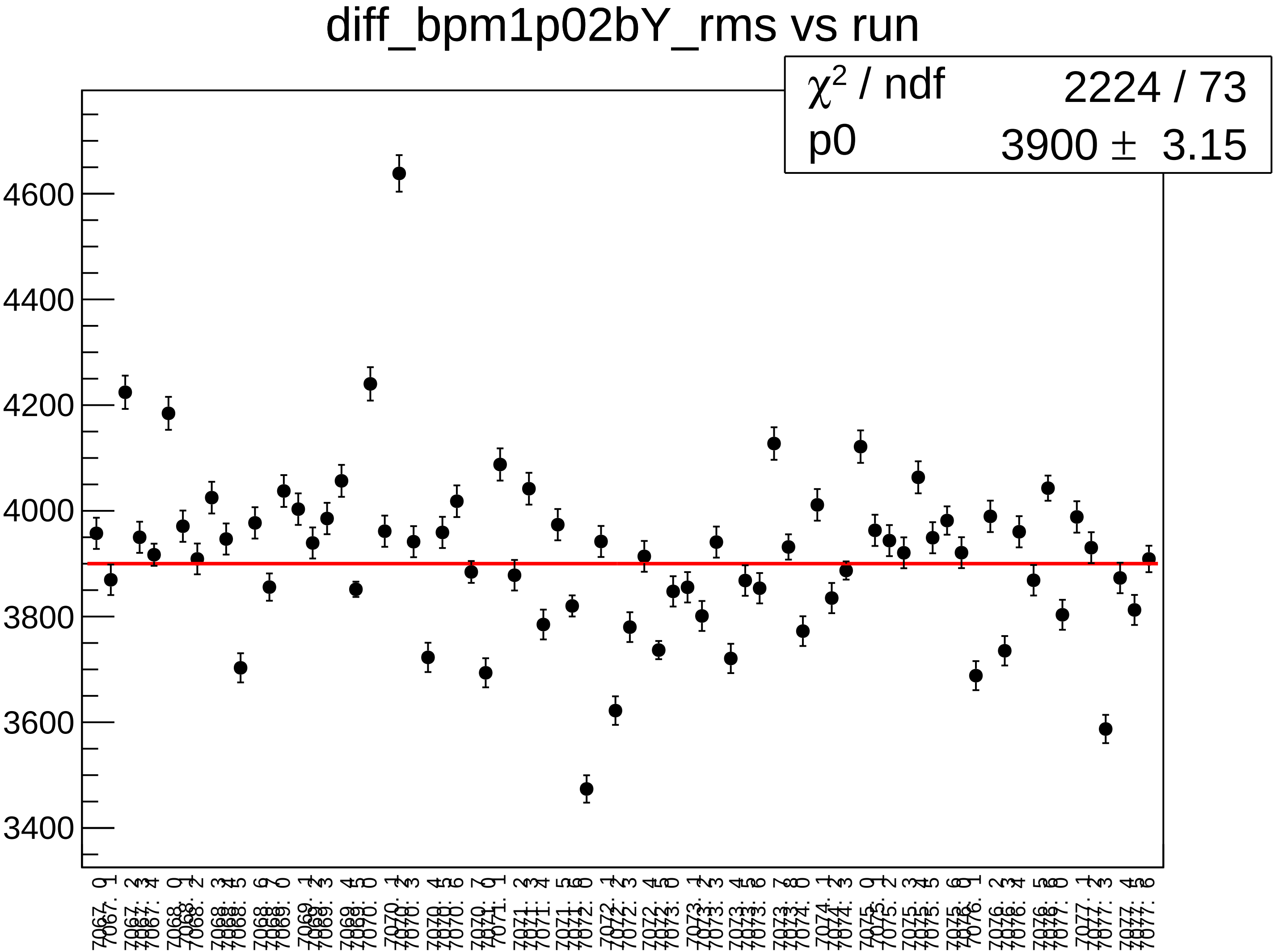

diff_bpm16Y_rms vs run
χ2 / ndf 6631 / 73
p0 5440 ± 4.4
6500
6000
5500
5000
4500



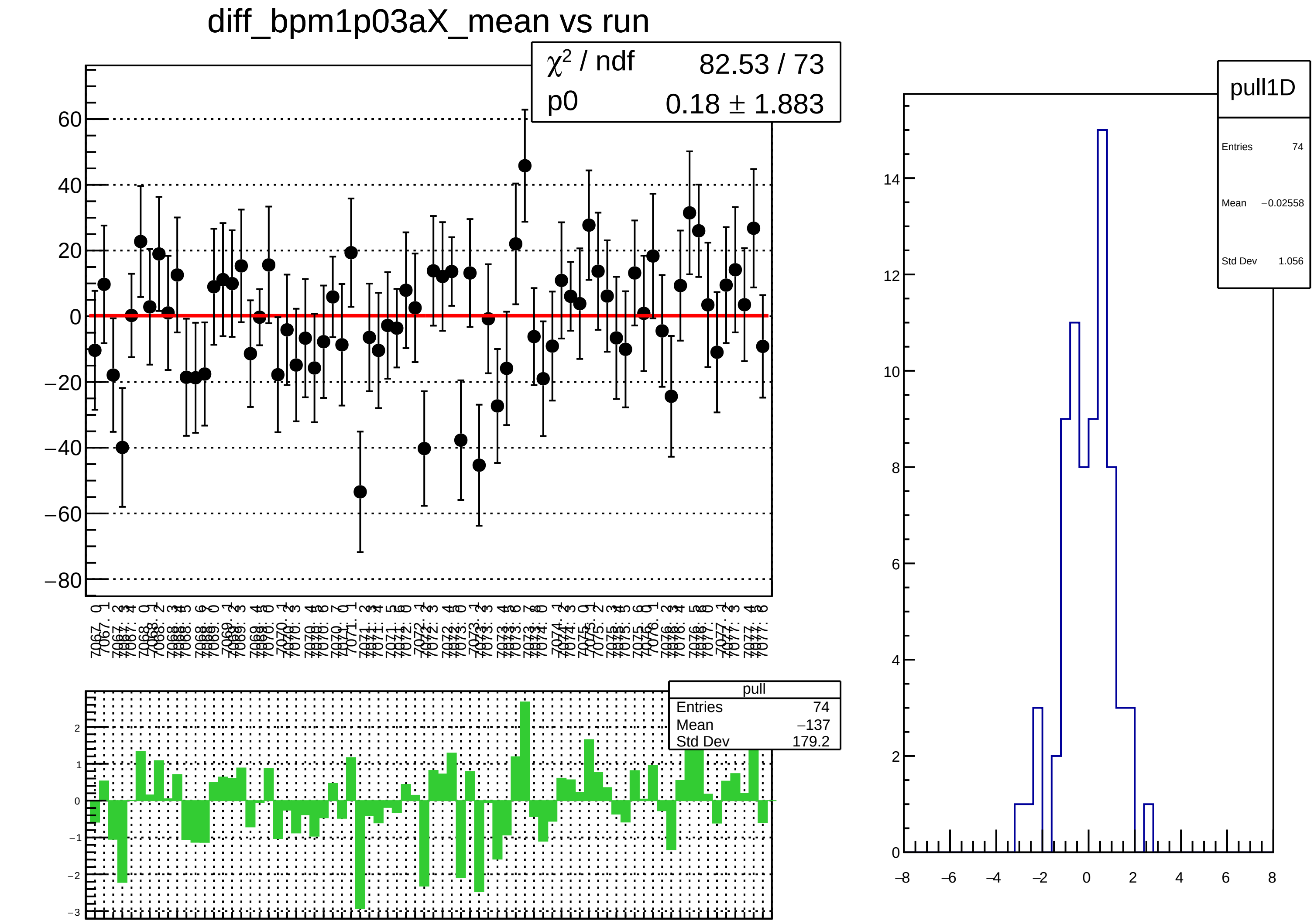
diff_bpm1p02bX_mean vs run
χ^2 / ndf 70.92 / 73
p0 −0.2096 ± 1.224
pull
Entries 74
Mean 287
Std Dev 246.9
pull1D
Entries 74
Mean 0.001615
Std Dev 0.979


diff_bpm1p02bX_rms vs run
χ2 / ndf 2465 / 73
p0 1072 ± 0.8657
1300
1250
1200
1150
1100
1050
1000

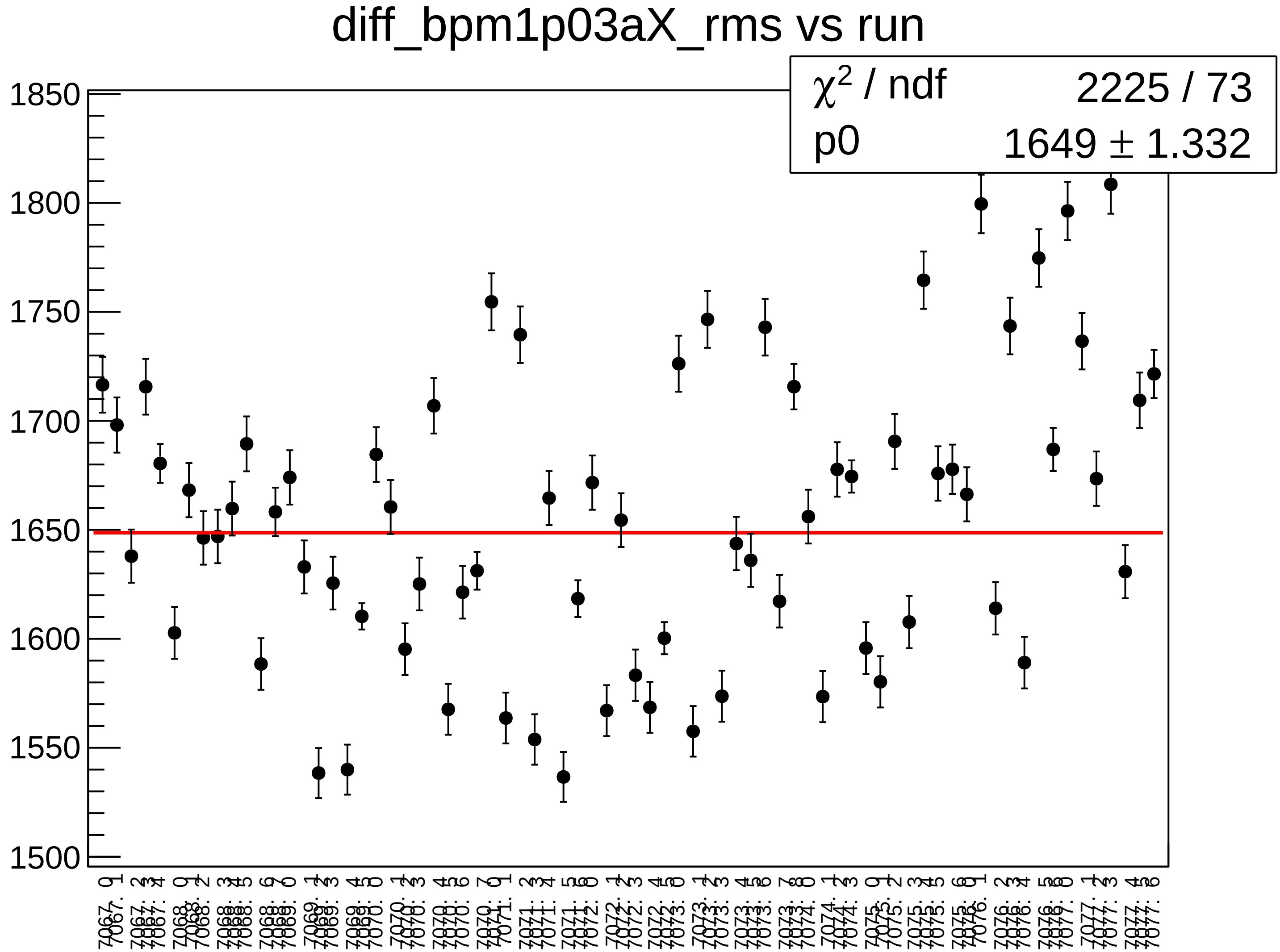

diff_bpm1p02bY_mean vs run
χ2 / ndf 69.21 / 73
p0 2 ± 4.455
pull
Entries 74
Mean 116.1
Std Dev 105.4
pull1D
Entries 74
Mean −0.01685
Std Dev 0.9669



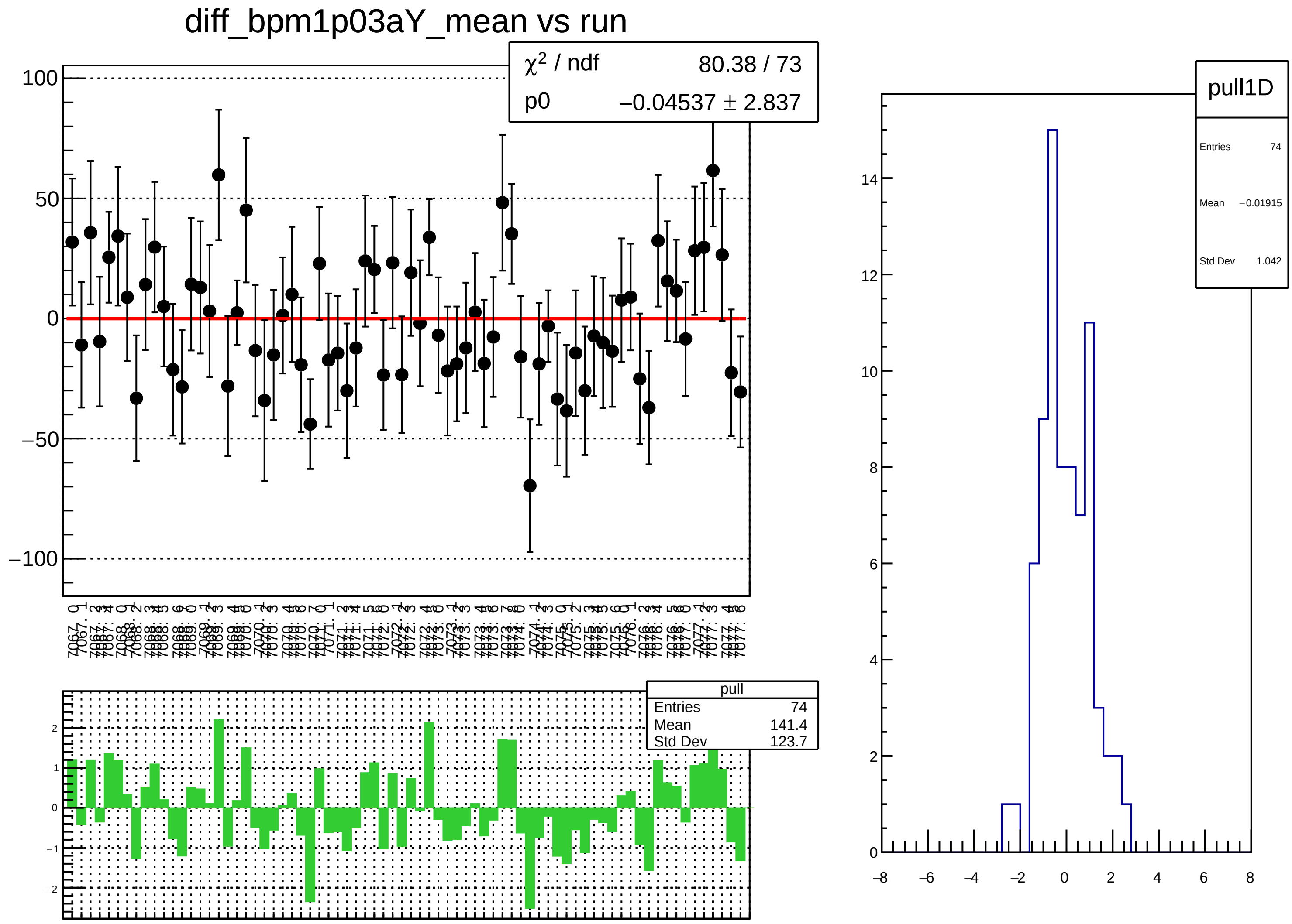
diff_bpm1p02bY_rms vs run
χ^2 / ndf 2224 / 73
p0 3900 ± 3.15
4600
4400
4200
4000
3800
3600
3400

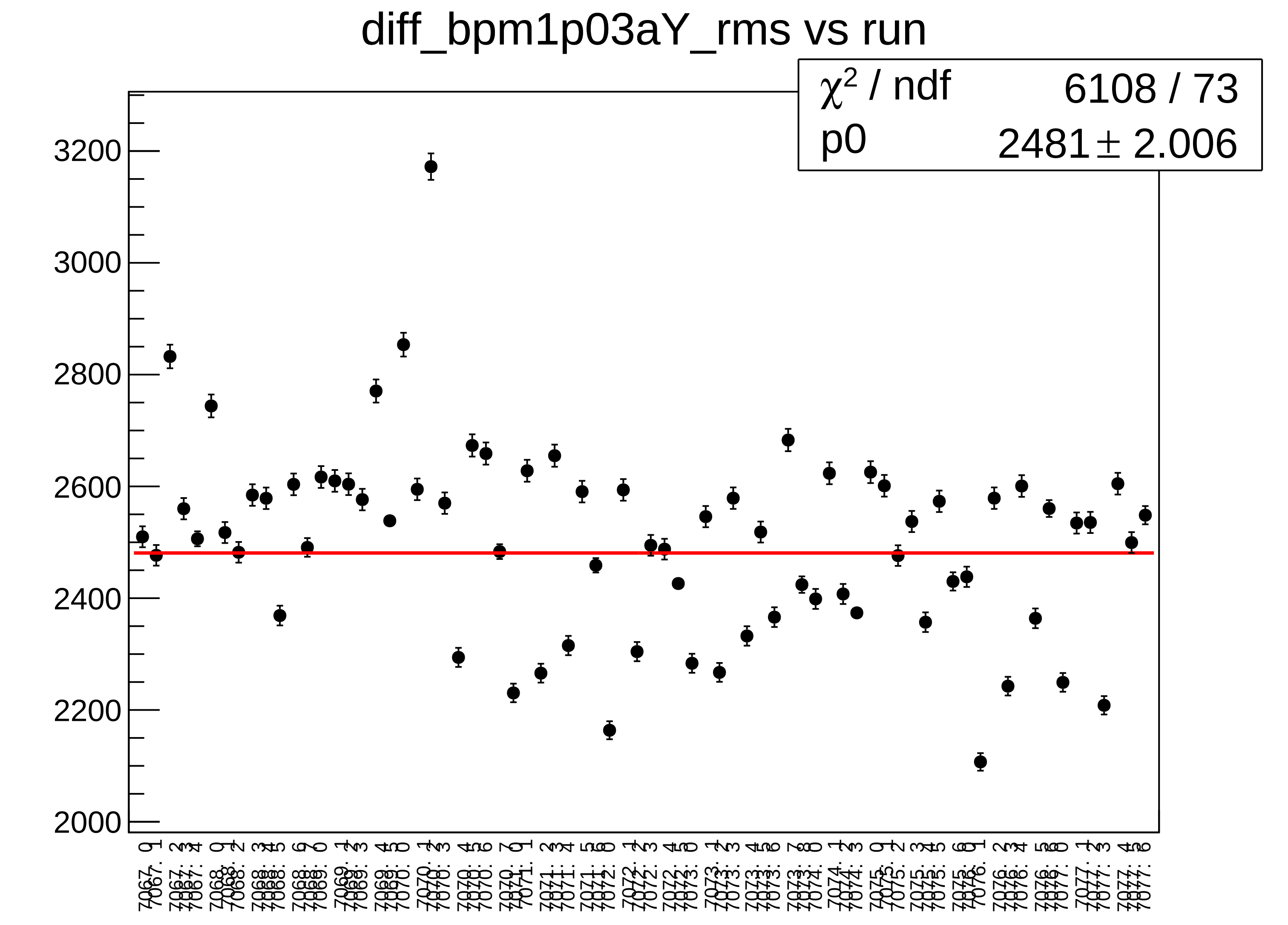


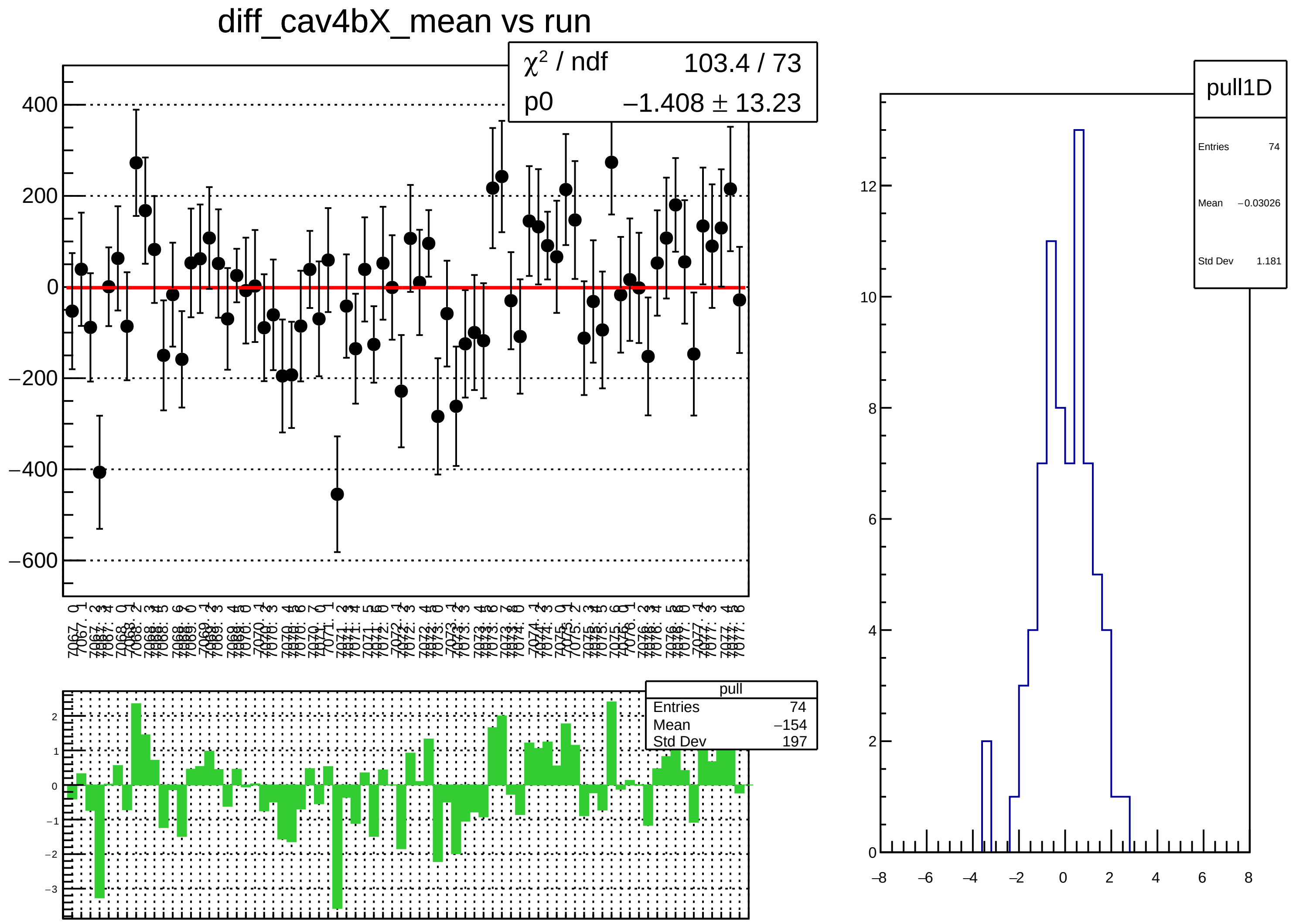
diff_bpm1p03aX_mean vs run
χ^2 / ndf 82.53 / 73
p0 0.18 ± 1.883
pull
Entries 74
Mean −137
Std Dev 179.2
pull1D
Entries 74
Mean −0.02558
Std Dev 1.056



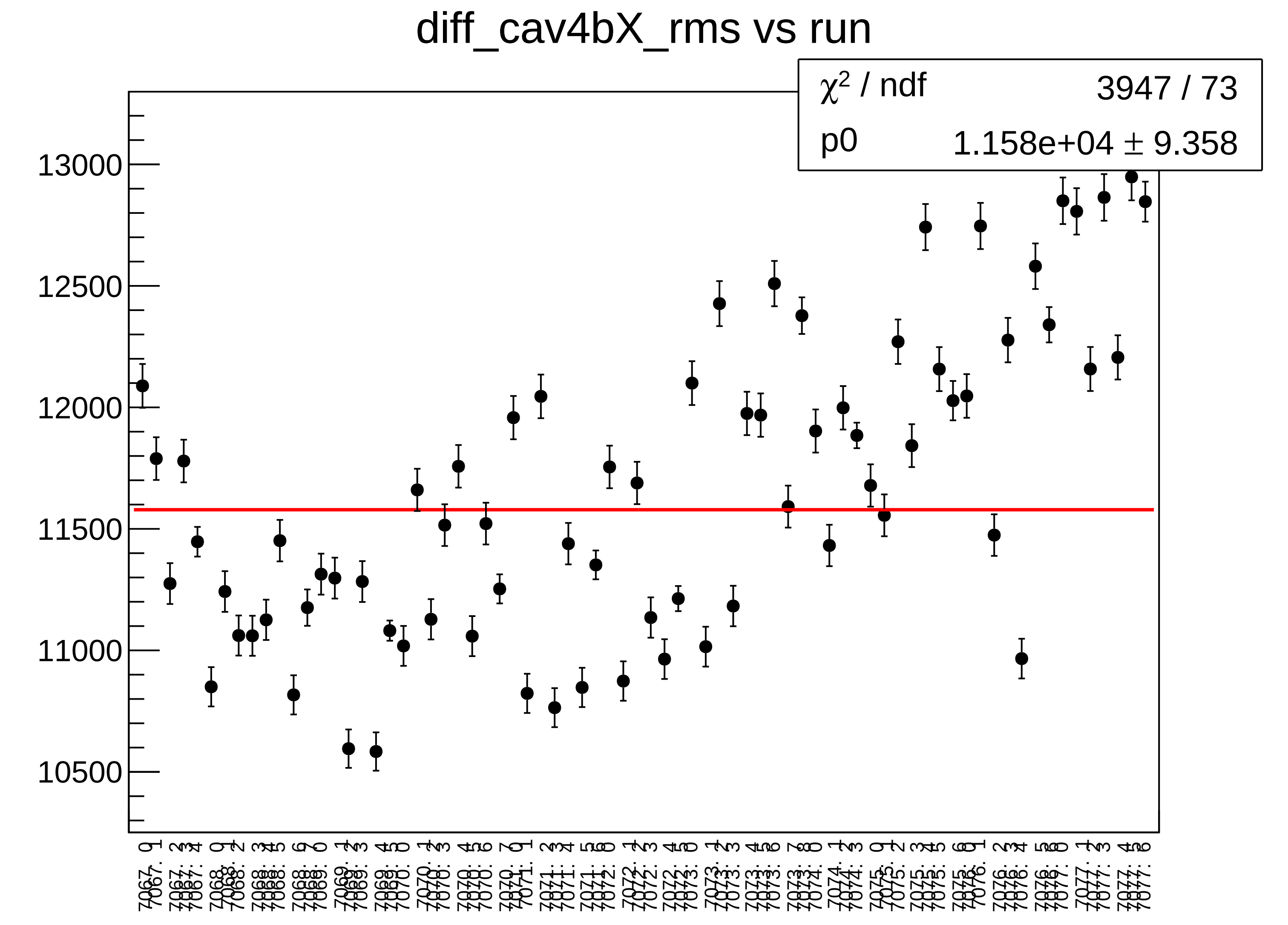
diff_bpm1p03aX_rms vs run
χ2 / ndf 2225 / 73
p0 1649 ± 1.332
1850
1800
1750
1700
1650
1600
1550
1500


diff_bpm1p03aY_mean vs run
χ2 / ndf 80.38 / 73
p0 −0.04537 ± 2.837
pull
Entries 74
Mean 141.4
Std Dev 123.7
pull1D
Entries 74
Mean −0.01915
Std Dev 1.042

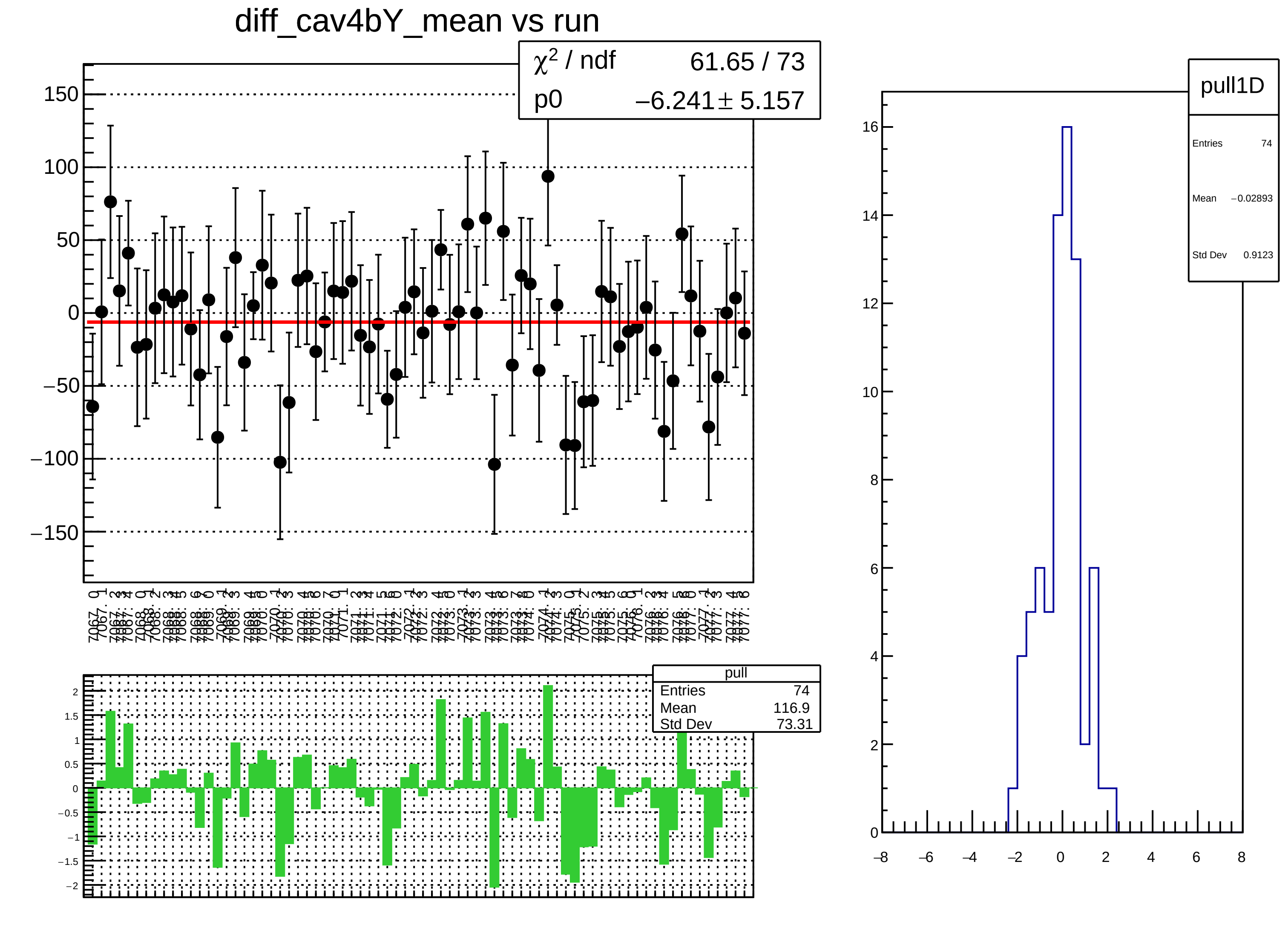

diff_bpm1p03aY_rms vs run
χ² / ndf 6108 / 73
p0 2481 ± 2.006
3200
3000
2800
2600
2400
2200
2000



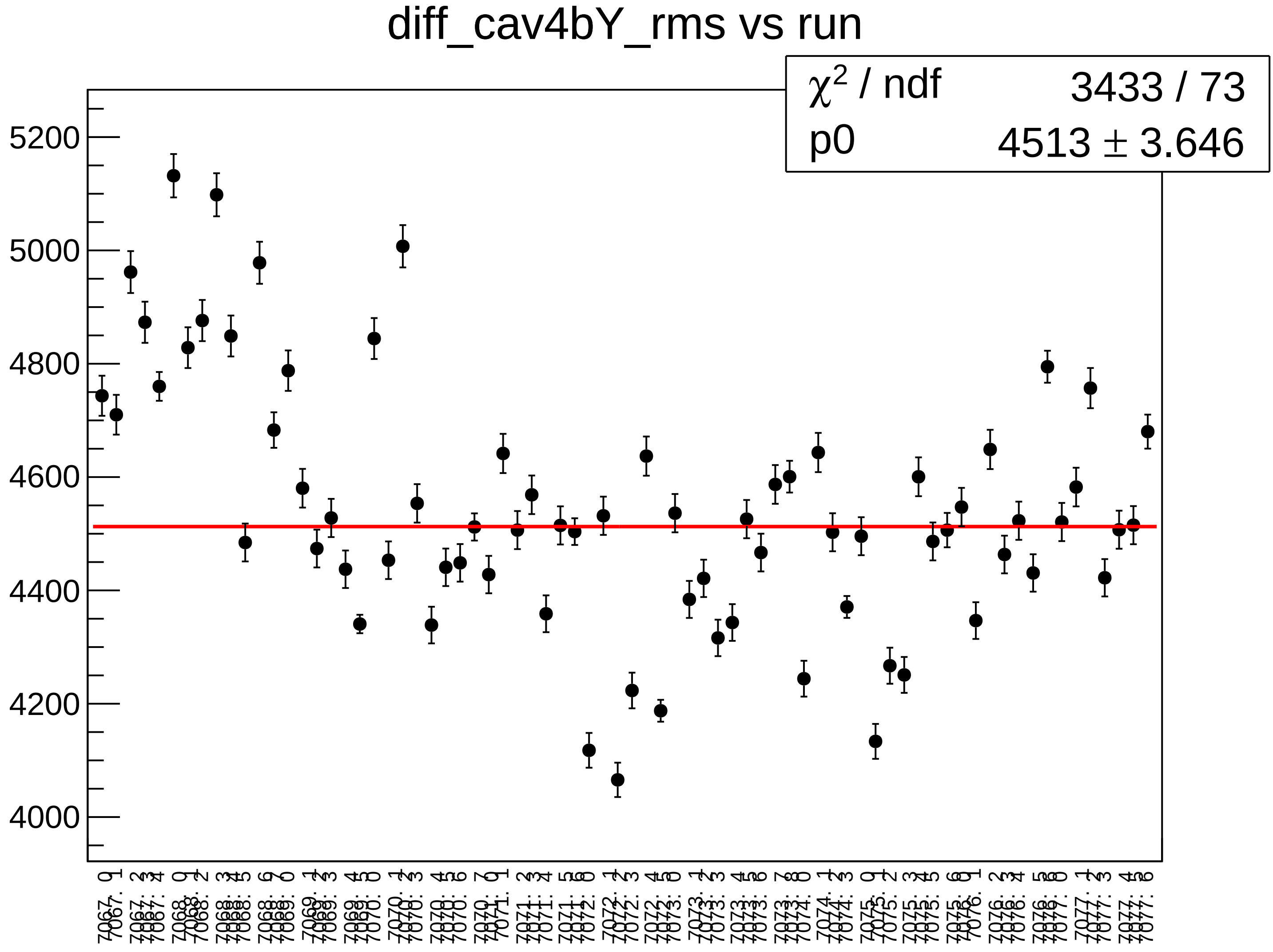
diff_cav4bX_mean vs run
χ2 / ndf 103.4 / 73
p0 −1.408 ± 13.23
pull
Entries 74
Mean −154
Std Dev 197
pull1D
Entries 74
Mean −0.03026
Std Dev 1.181

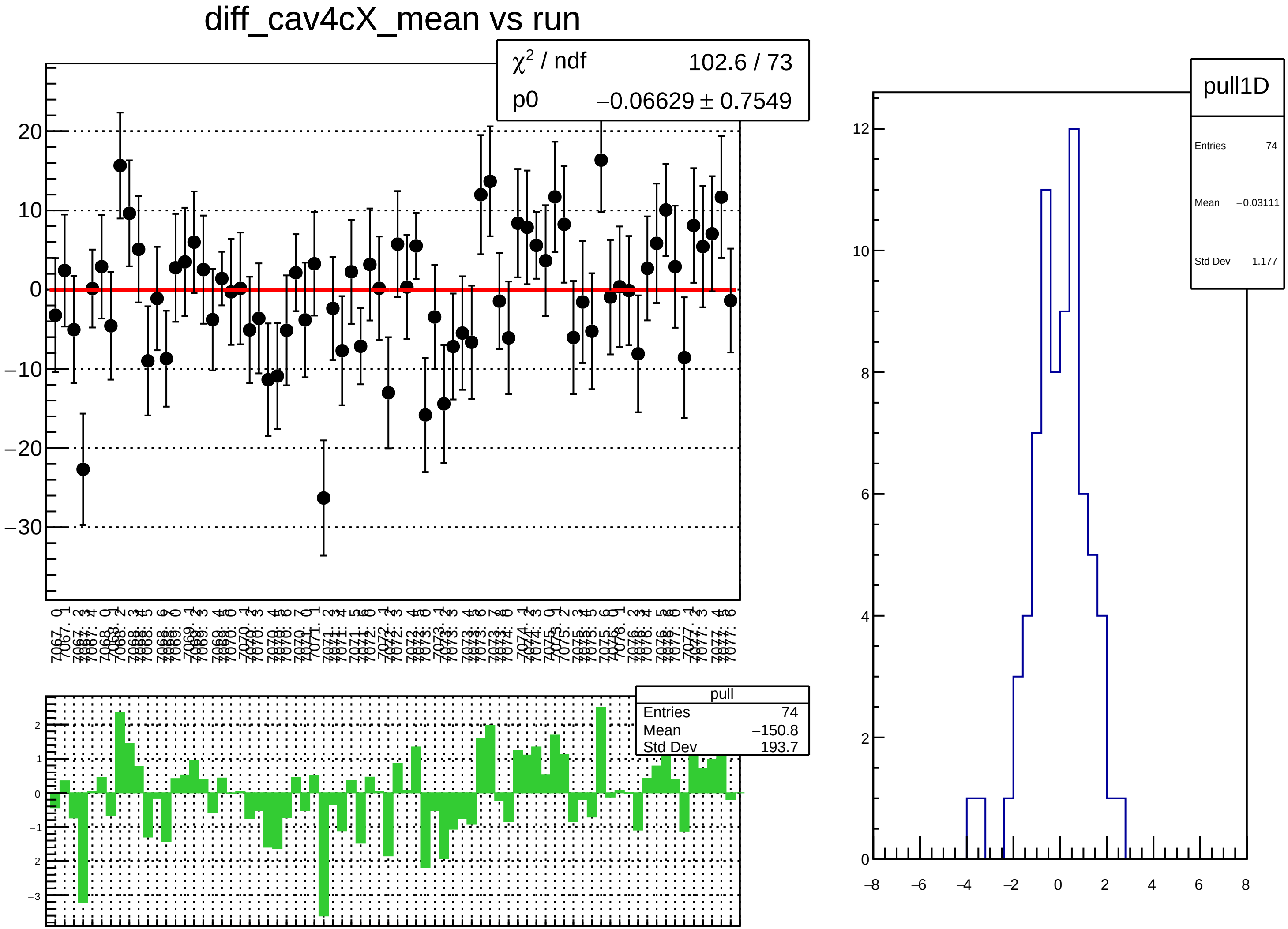


diff_cav4bX_rms vs run
χ^2 / ndf 3947 / 73
p0 1.158e+04 ± 9.358
13000
12500
12000
11500
11000
10500

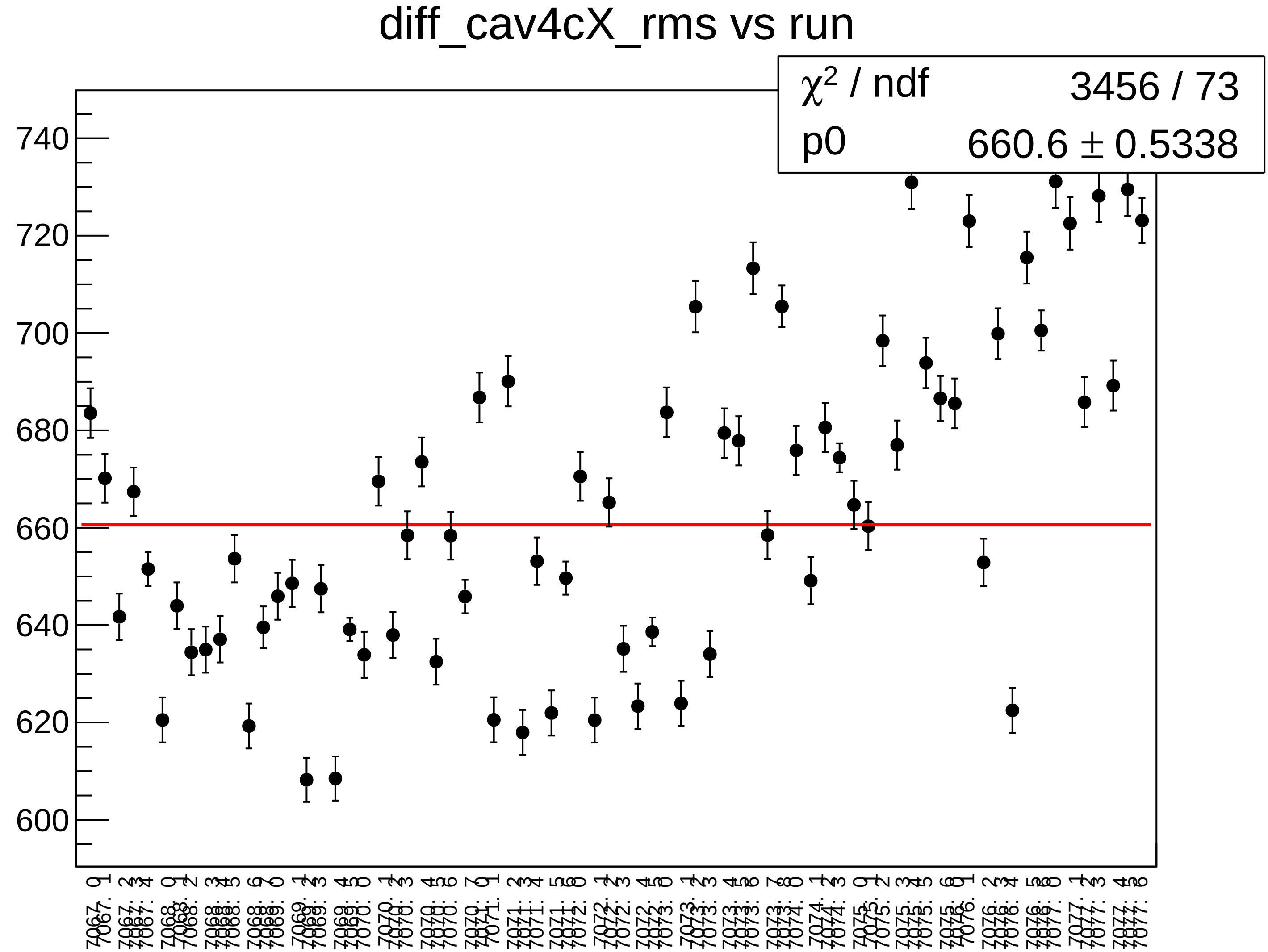


diff_cav4bY_mean vs run
χ2 / ndf 61.65 / 73
p0 −6.241 ± 5.157
150
100
50
0
−50
−100
−150
pull
Entries 74
Mean 116.9
Std Dev 73.31
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.02893
Std Dev 0.9123
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

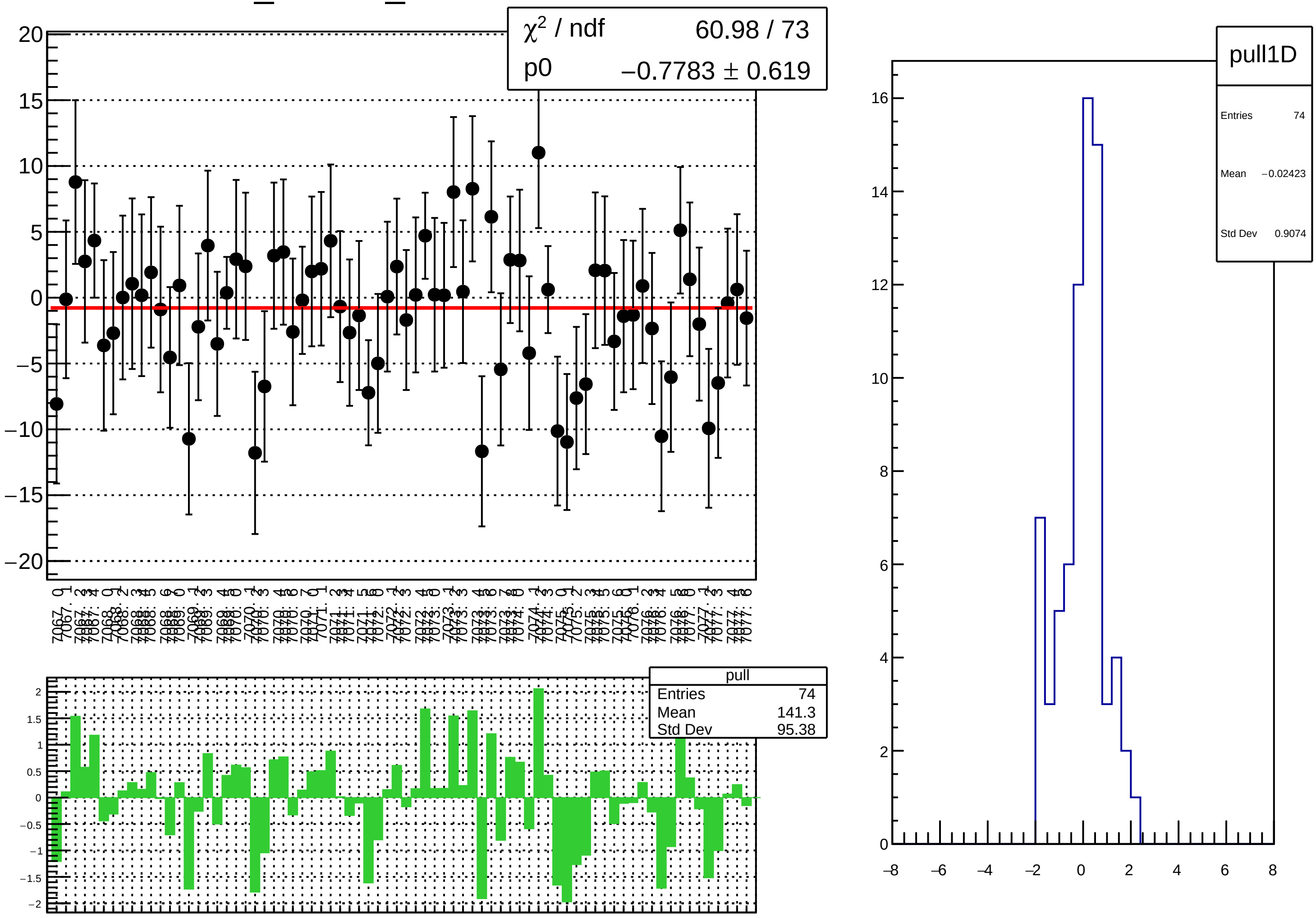

diff_cav4bY_rms vs run
χ^2 / ndf 3433 / 73
p0 4513 ± 3.646
5200
5000
4800
4600
4400
4200
4000

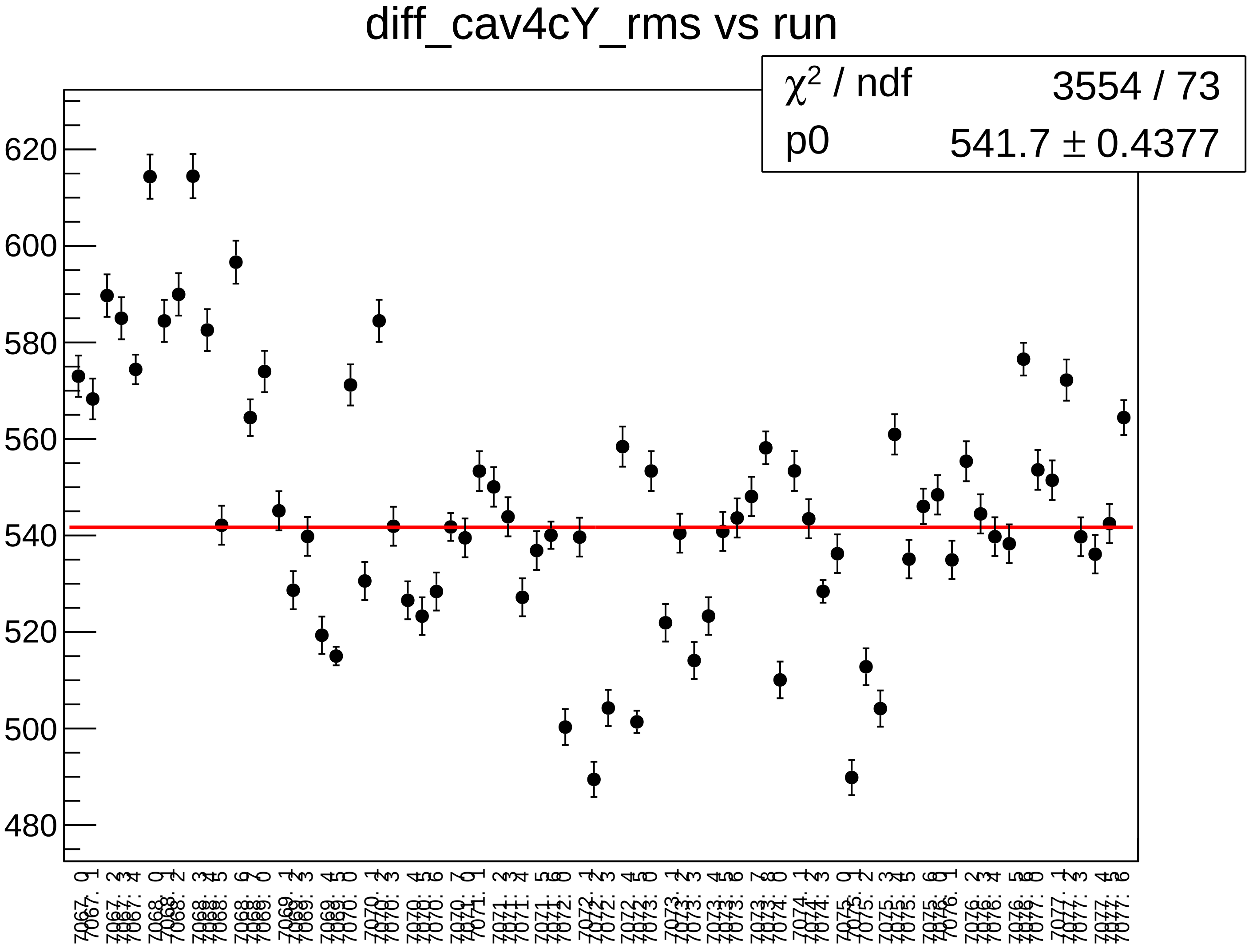


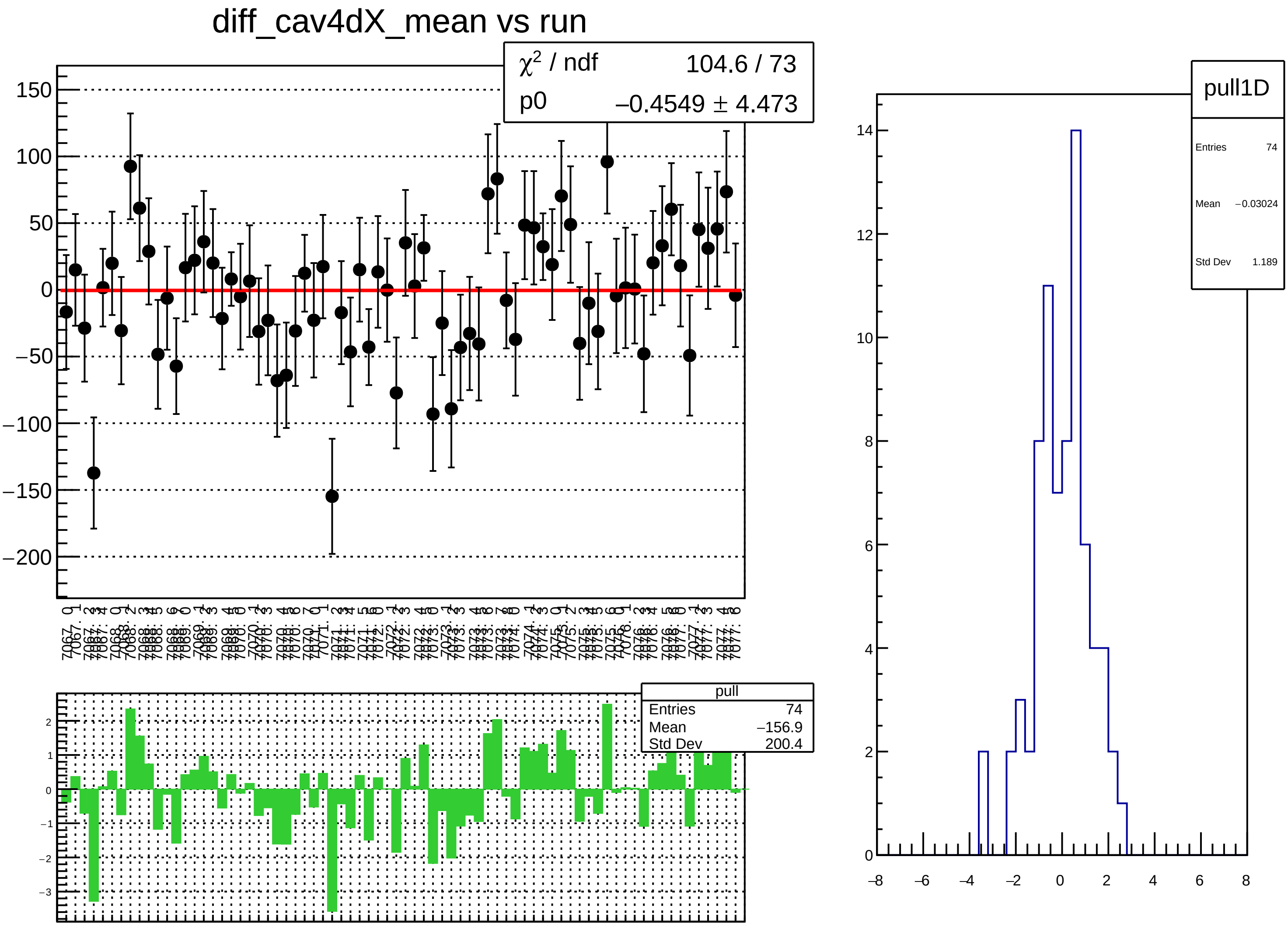
diff_cav4cX_mean vs run
χ^2 / ndf 102.6 / 73
p0 −0.06629 ± 0.7549
20
10
0
−10
−20
−30
pull
Entries 74
Mean −150.8
Std Dev 193.7
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.03111
Std Dev 1.177
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

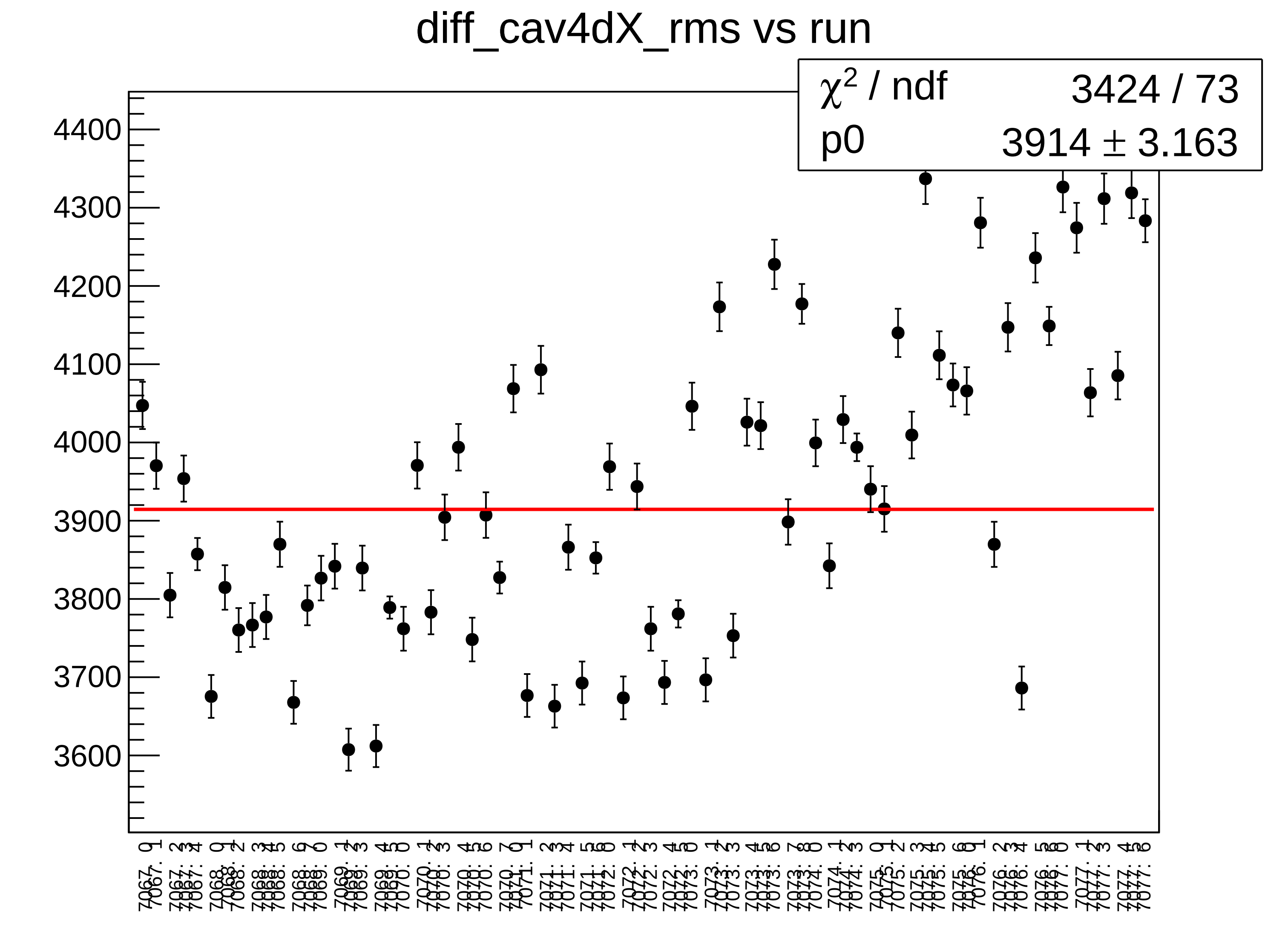

diff_cav4cX_rms vs run
χ2 / ndf 3456 / 73
p0 660.6 ± 0.5338
740
720
700
680
660
640
620
600

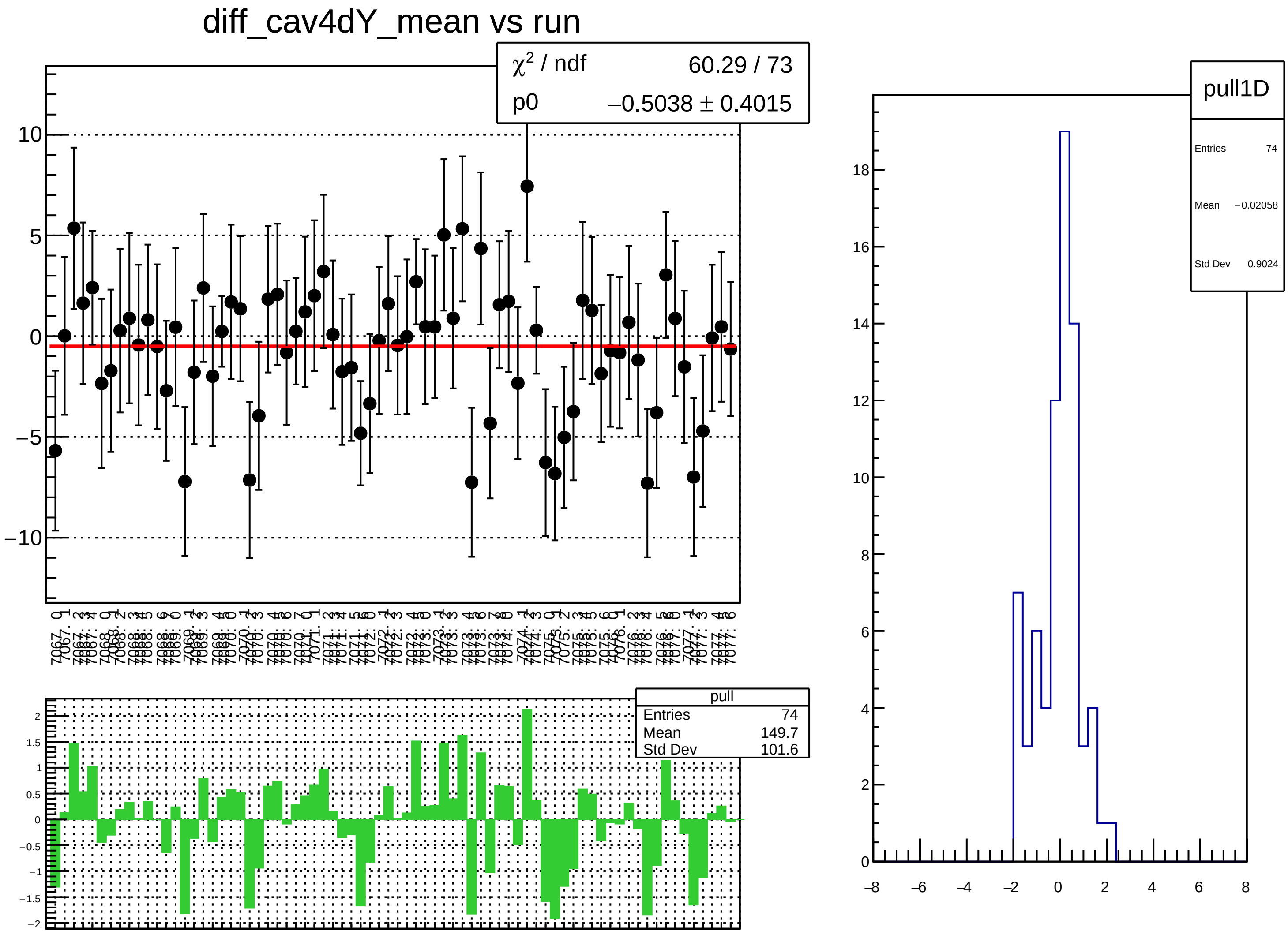
diff_cav4cY_mean vs run

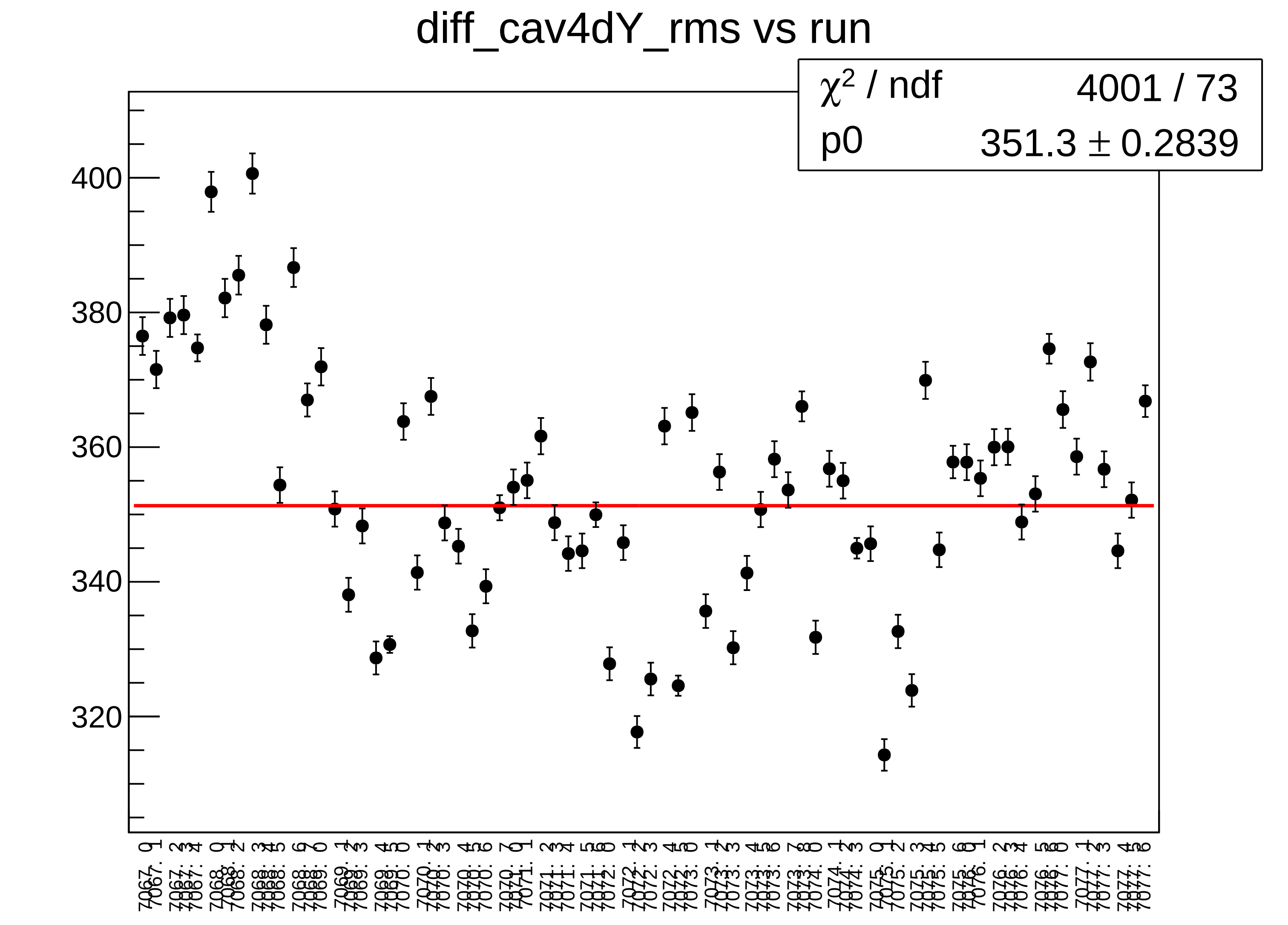


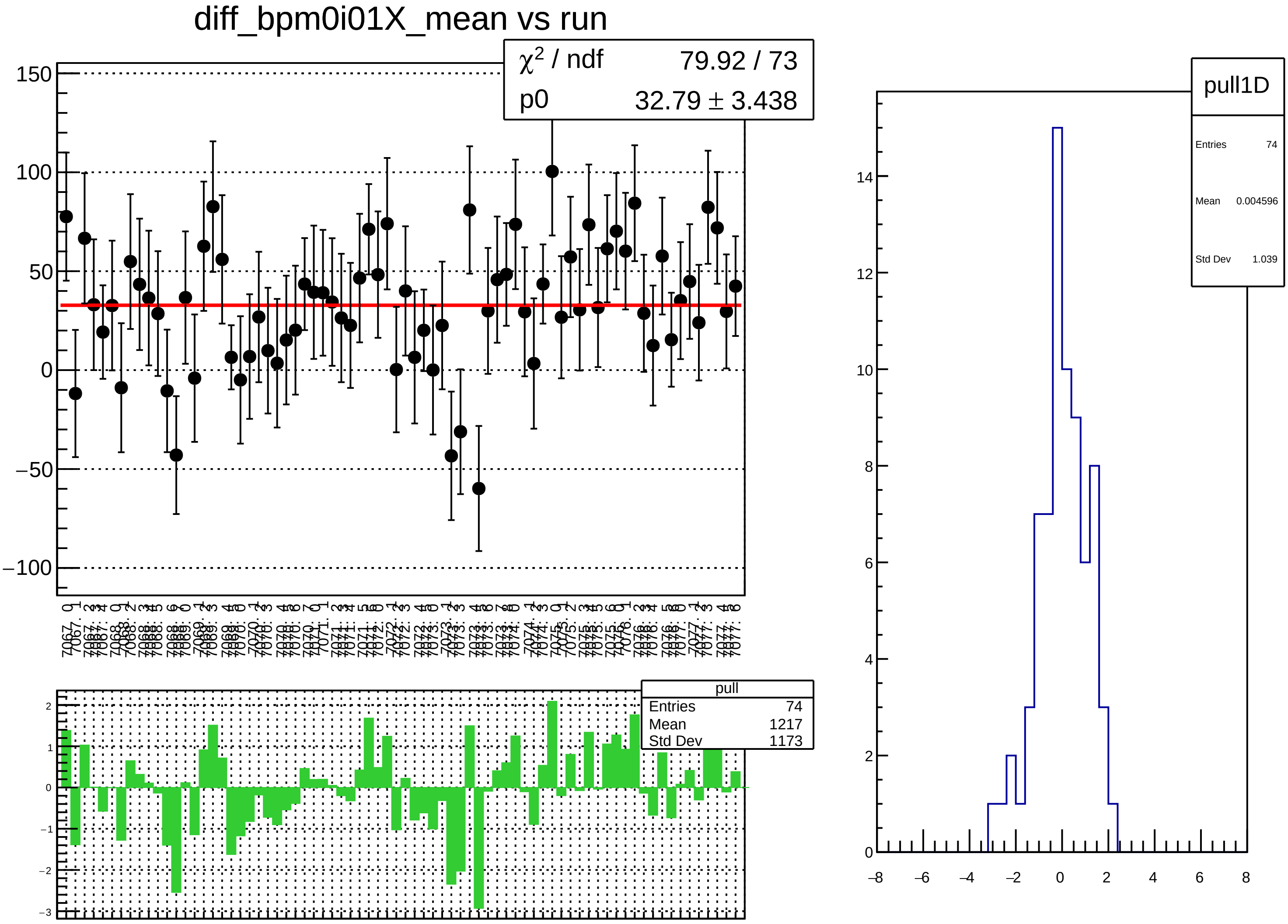

diff_cav4cY_rms vs run
χ2 / ndf 3554 / 73
p0 541.7 ± 0.4377
620
600
580
560
540
520
500
480


diff_cav4dX_mean vs run
χ^2 / ndf 104.6 / 73
p0 −0.4549 ± 4.473
pull
Entries 74
Mean −156.9
Std Dev 200.4
pull1D
Entries 74
Mean −0.03024
Std Dev 1.189

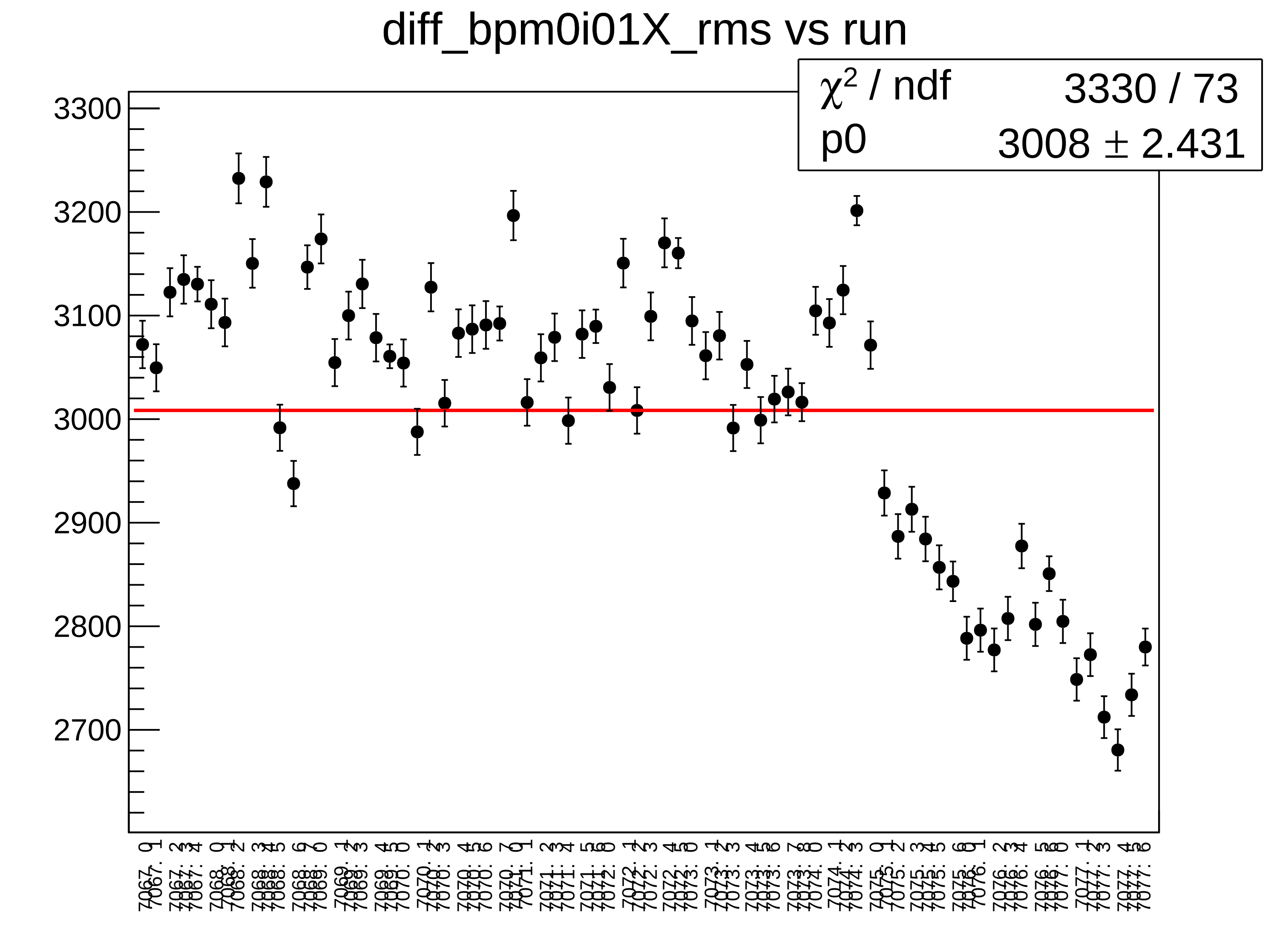

diff_cav4dX_rms vs run
χ^2 / ndf 3424 / 73
p0 3914 ± 3.163


diff_cav4dY_mean vs run
χ^2 / ndf 60.29 / 73
p0 −0.5038 ± 0.4015
10
5
0
−5
−10
pull
Entries 74
Mean 149.7
Std Dev 101.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.02058
Std Dev 0.9024
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

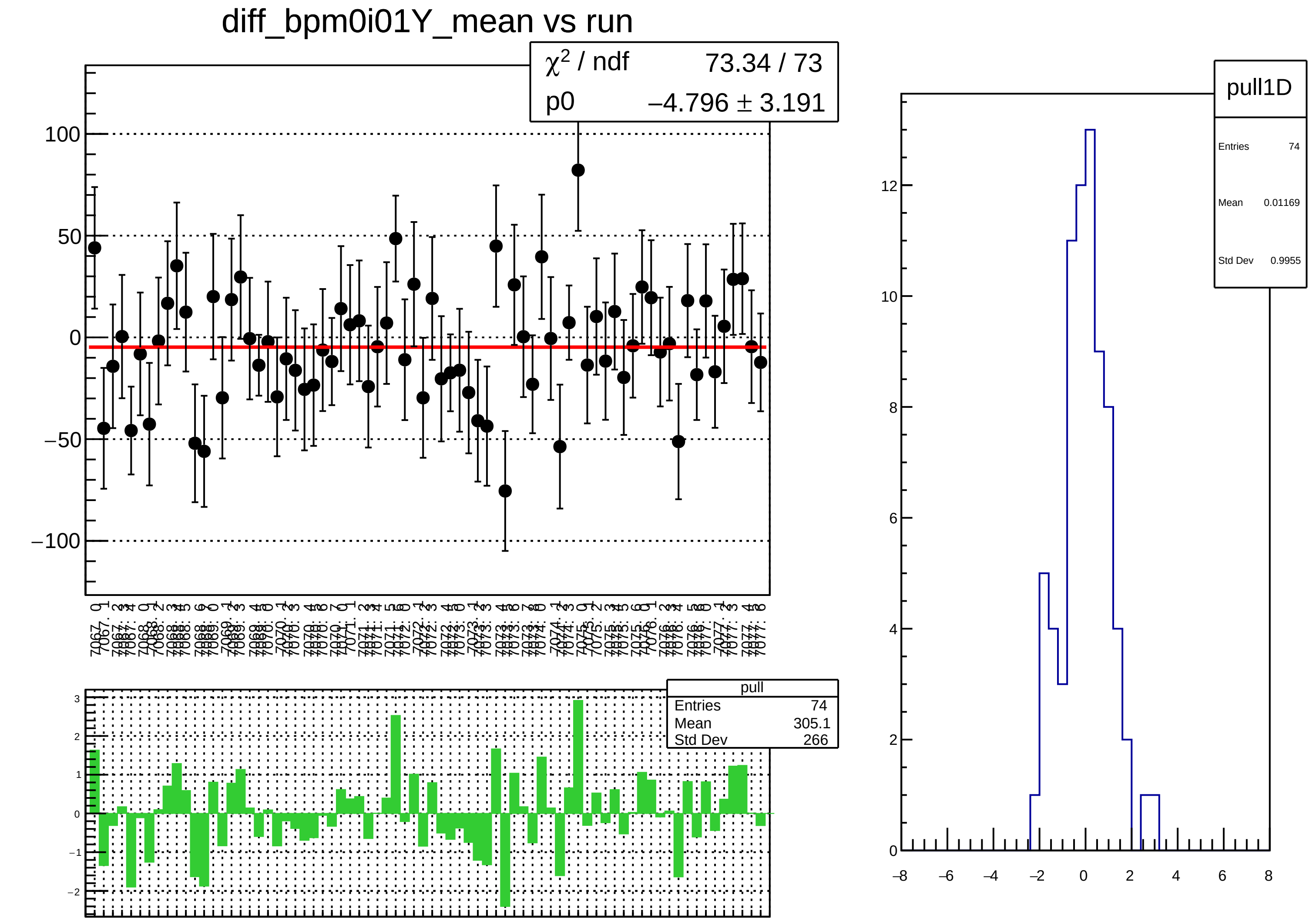

diff_cav4dY_rms vs run
χ^2 / ndf 4001 / 73
p0 351.3 ± 0.2839
400
380
360
340
320

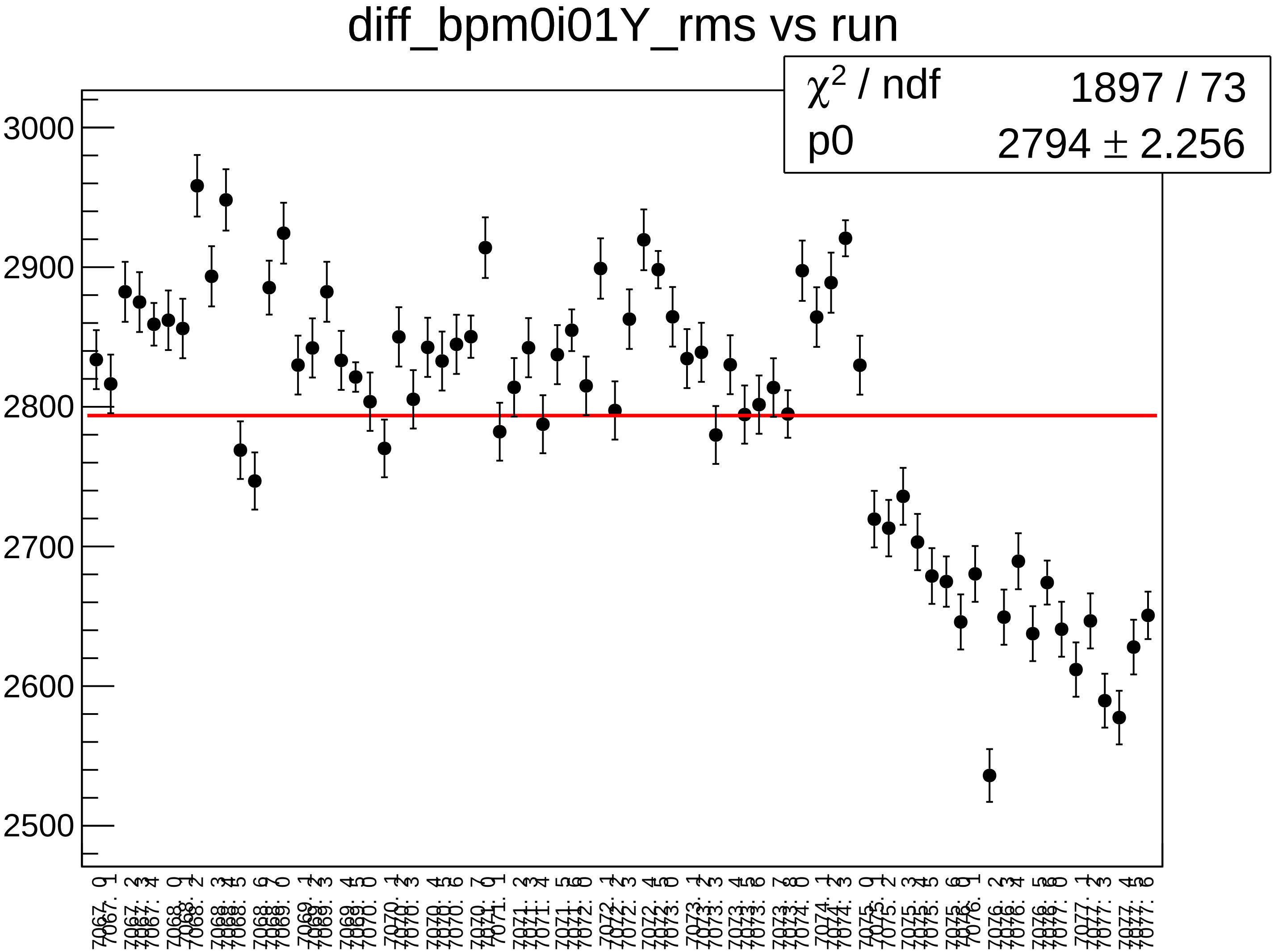


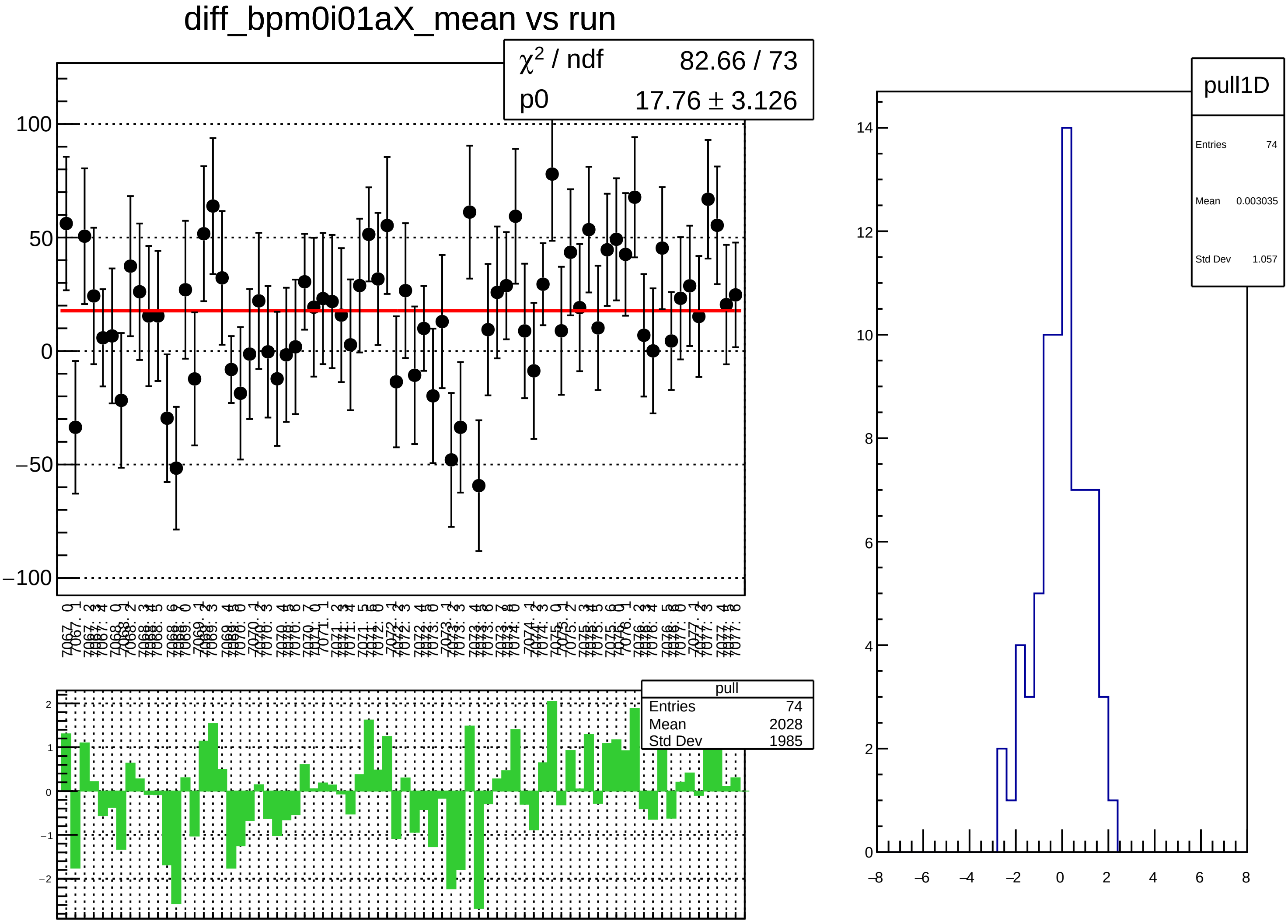
diff_bpm0i01X_mean vs run
χ^2 / ndf 79.92 / 73
p0 32.79 ± 3.438
pull
Entries 74
Mean 1217
Std Dev 1173
pull1D
Entries 74
Mean 0.004596
Std Dev 1.039

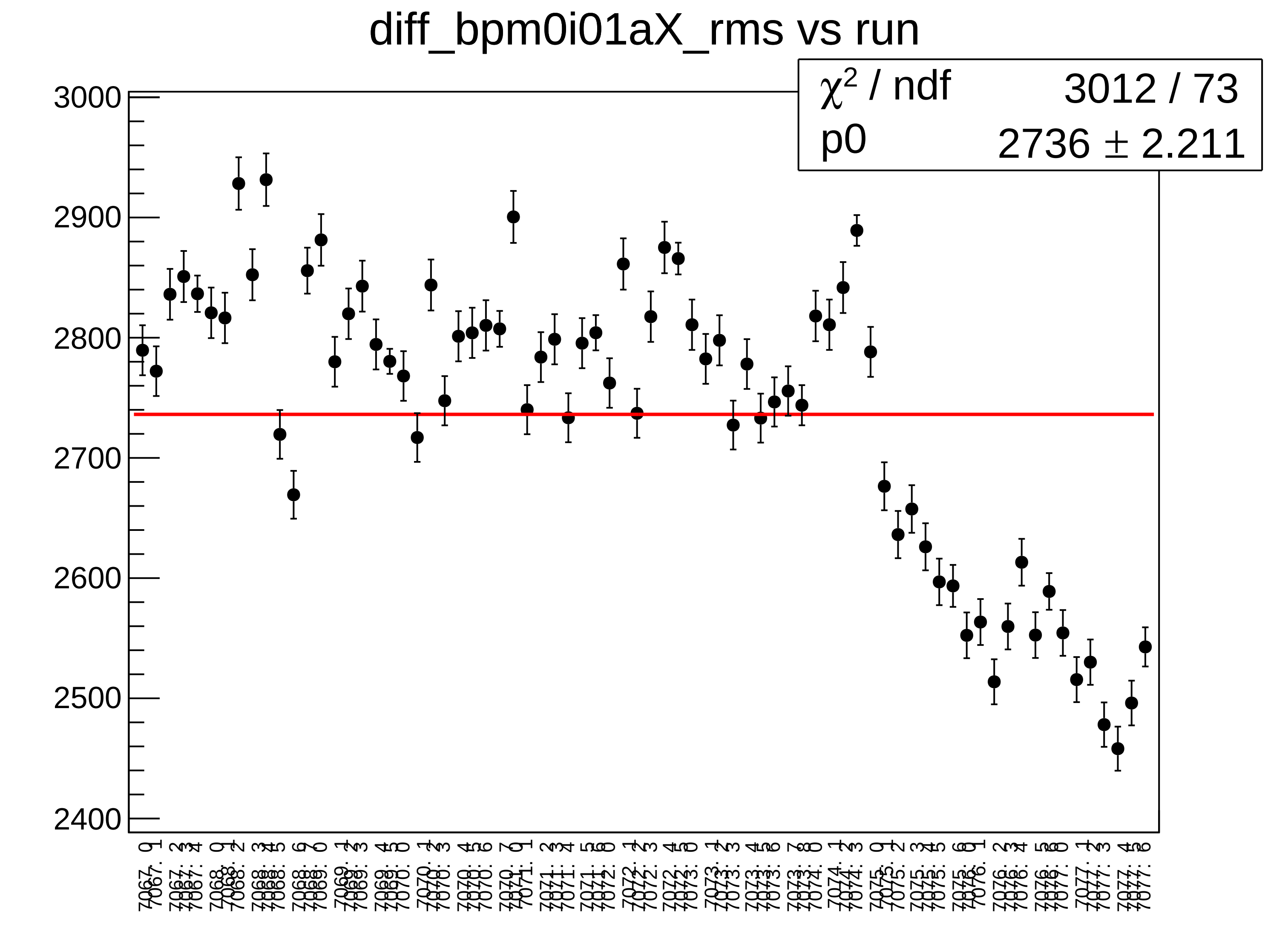


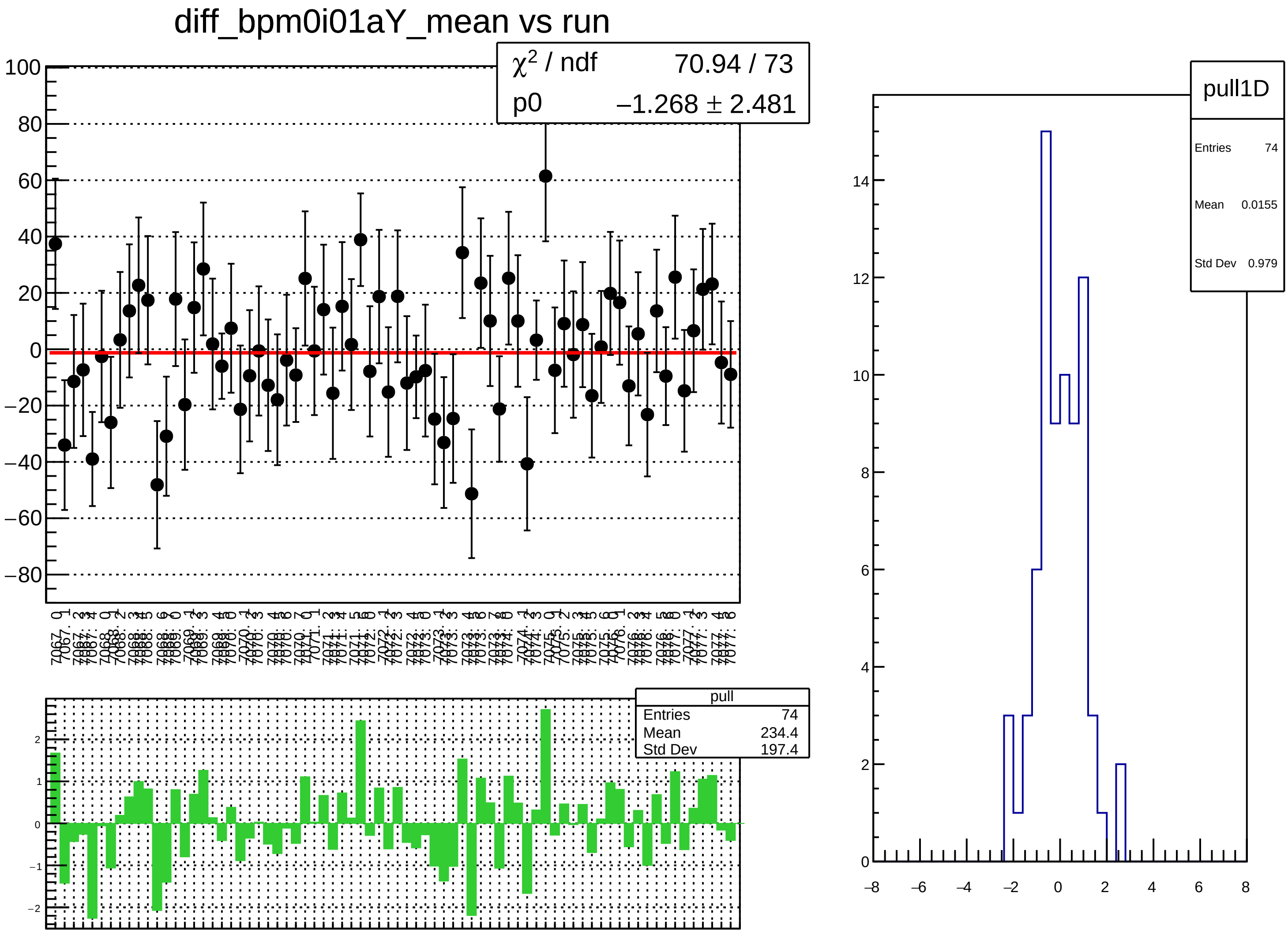
diff_bpm0i01X_rms vs run
χ2 / ndf 3330 / 73
p0 3008 ± 2.431
3300
3200
3100
3000
2900
2800
2700


diff_bpm0i01Y_mean vs run
χ2 / ndf 73.34 / 73
p0 −4.796 ± 3.191
pull
Entries 74
Mean 305.1
Std Dev 266
pull1D
Entries 74
Mean 0.01169
Std Dev 0.9955

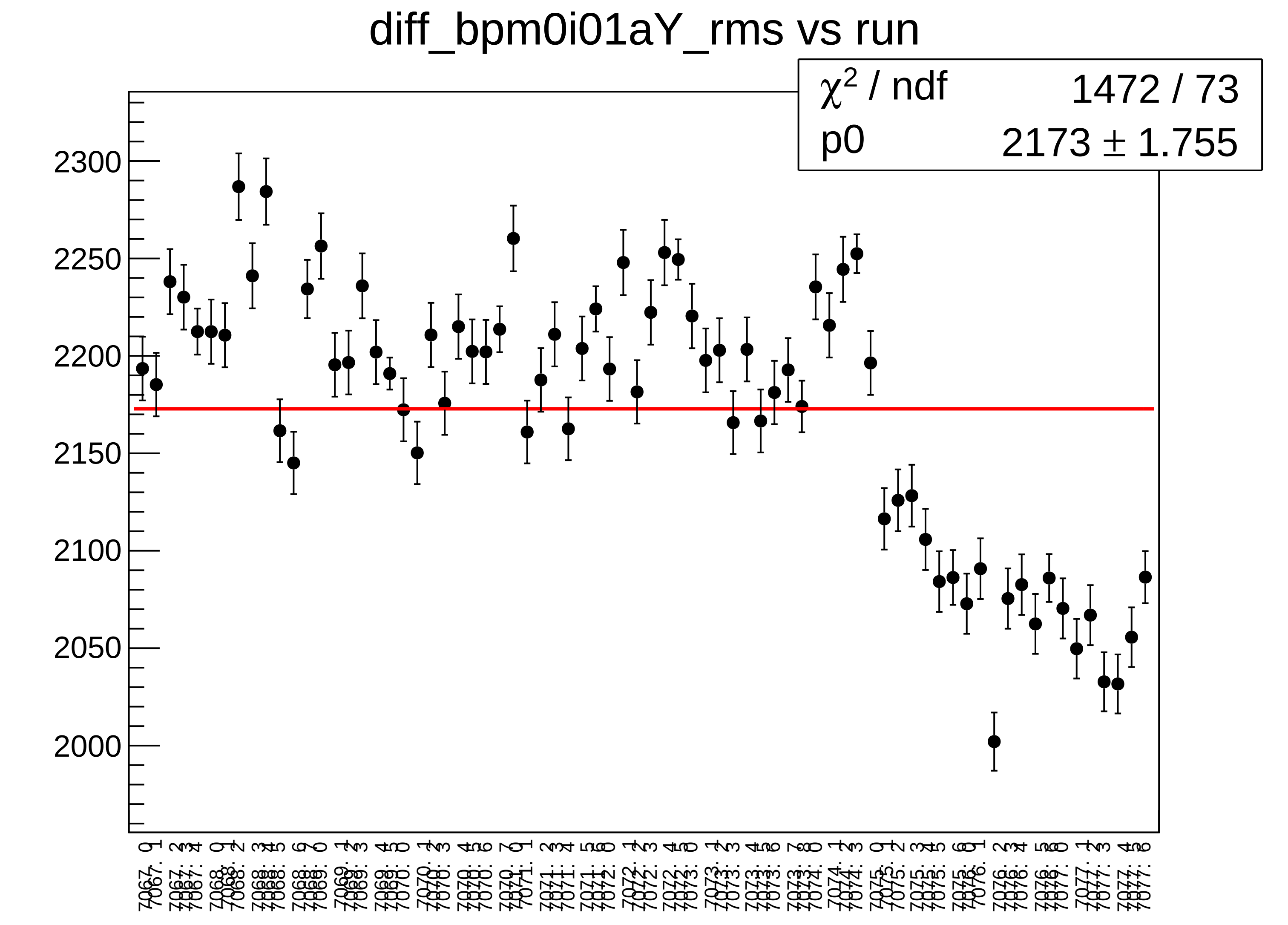

diff_bpm0i01Y_rms vs run
χ2 / ndf 1897 / 73
p0 2794 ± 2.256
3000
2900
2800
2700
2600
2500

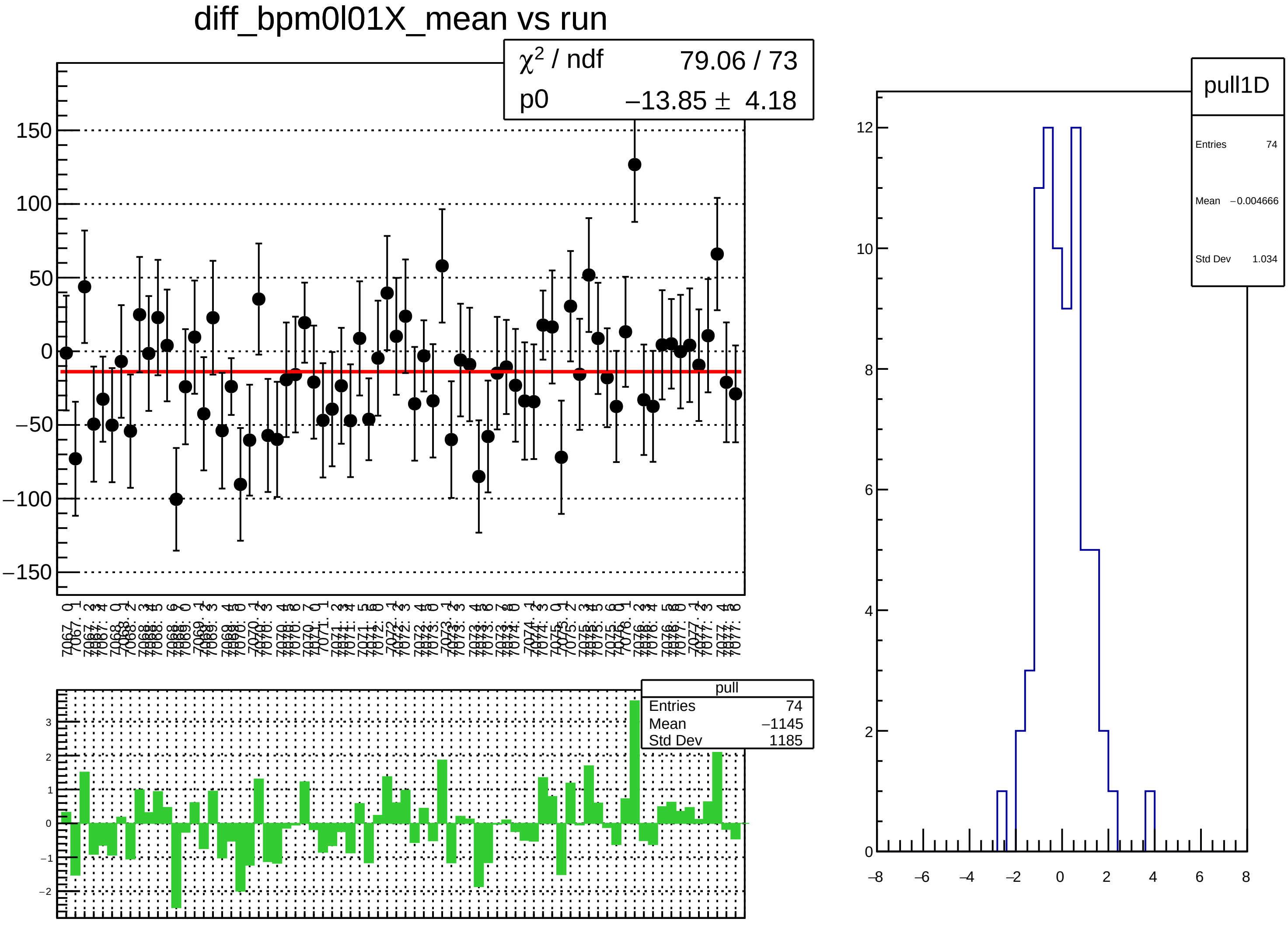

diff_bpm0i01aX_mean vs run
χ2 / ndf 82.66 / 73
p0 17.76 ± 3.126
pull
Entries 74
Mean 2028
Std Dev 1985
pull1D
Entries 74
Mean 0.003035
Std Dev 1.057


diff_bpm0i01aX_rms vs run
χ^2 / ndf 3012 / 73
p0 2736 ± 2.211
3000
2900
2800
2700
2600
2500
2400

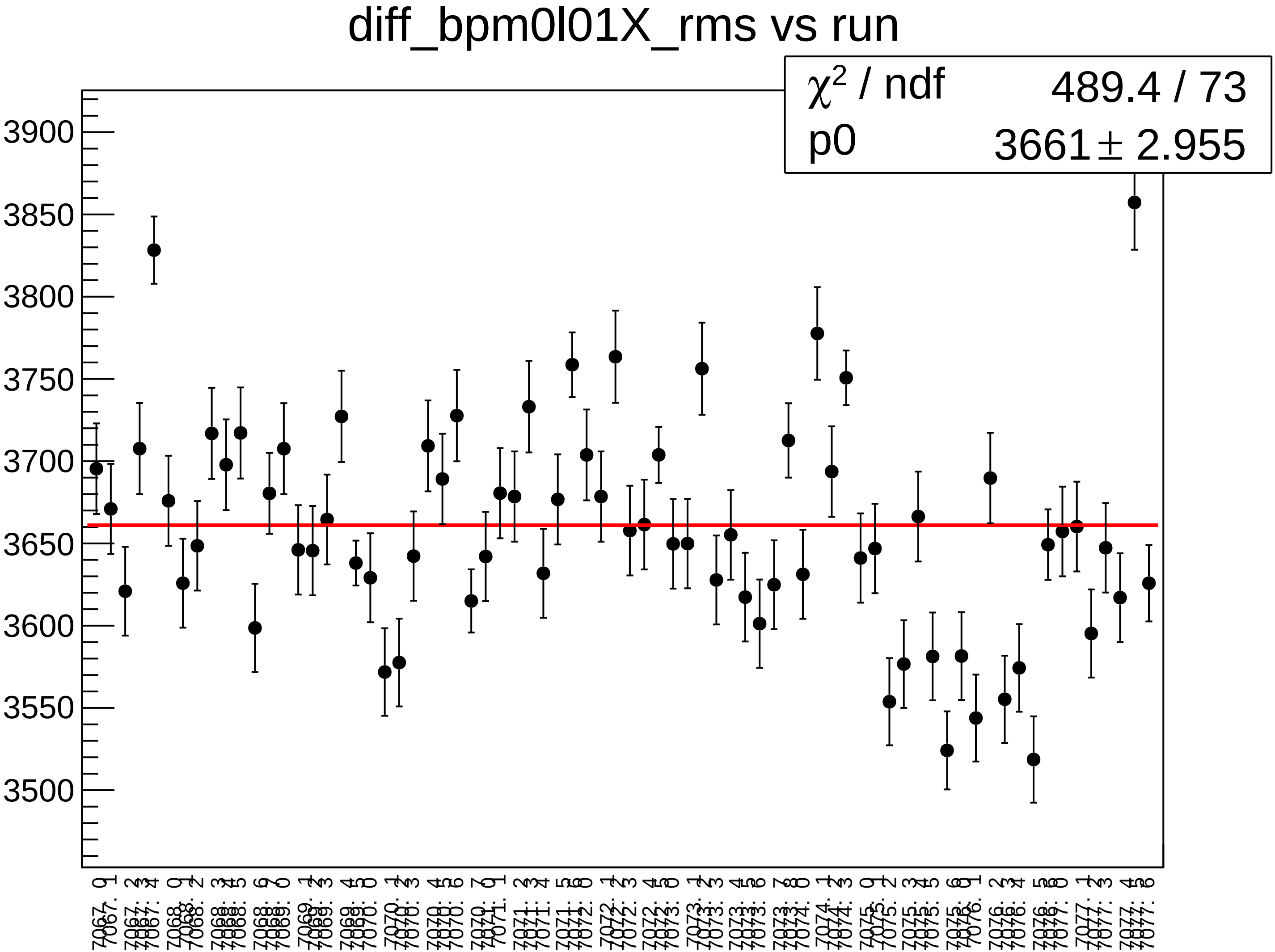


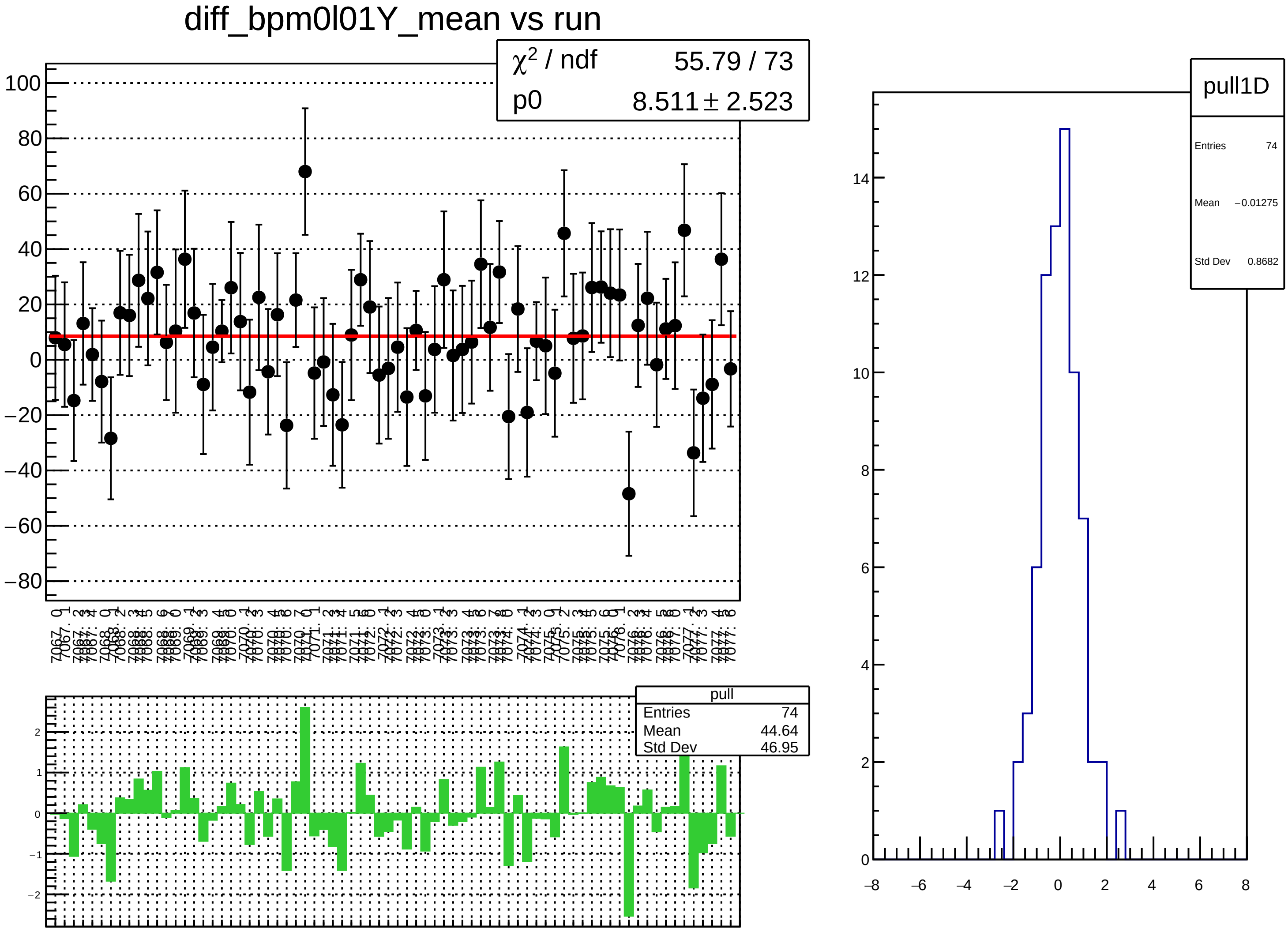
diff_bpm0i01aY_mean vs run
χ^2 / ndf 70.94 / 73
p0 −1.268 ± 2.481
pull
Entries 74
Mean 234.4
Std Dev 197.4
pull1D
Entries 74
Mean 0.0155
Std Dev 0.979

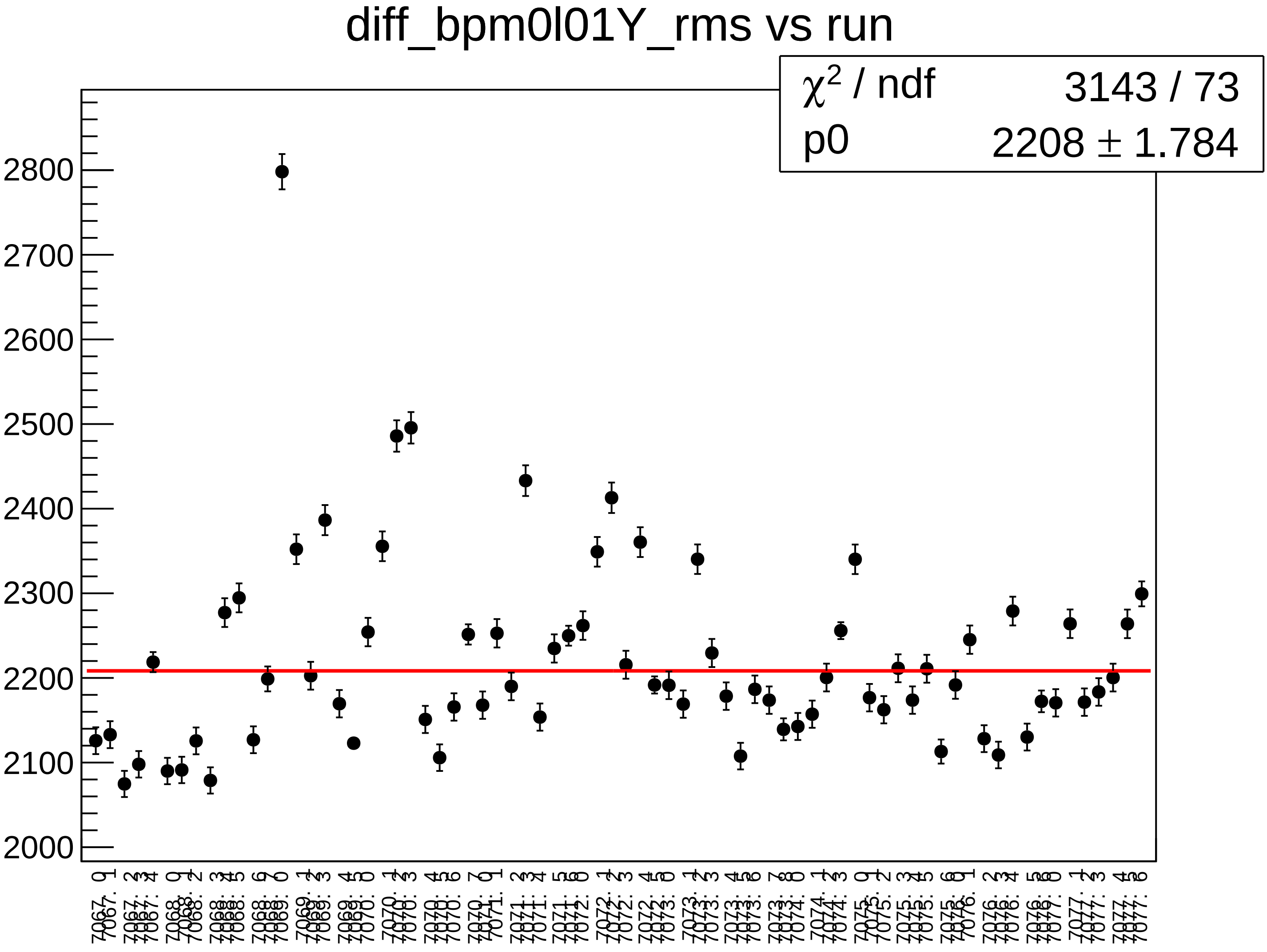

diff_bpm0i01aY_rms vs run
χ2 / ndf 1472 / 73
p0 2173 ± 1.755
2300
2250
2200
2150
2100
2050
2000



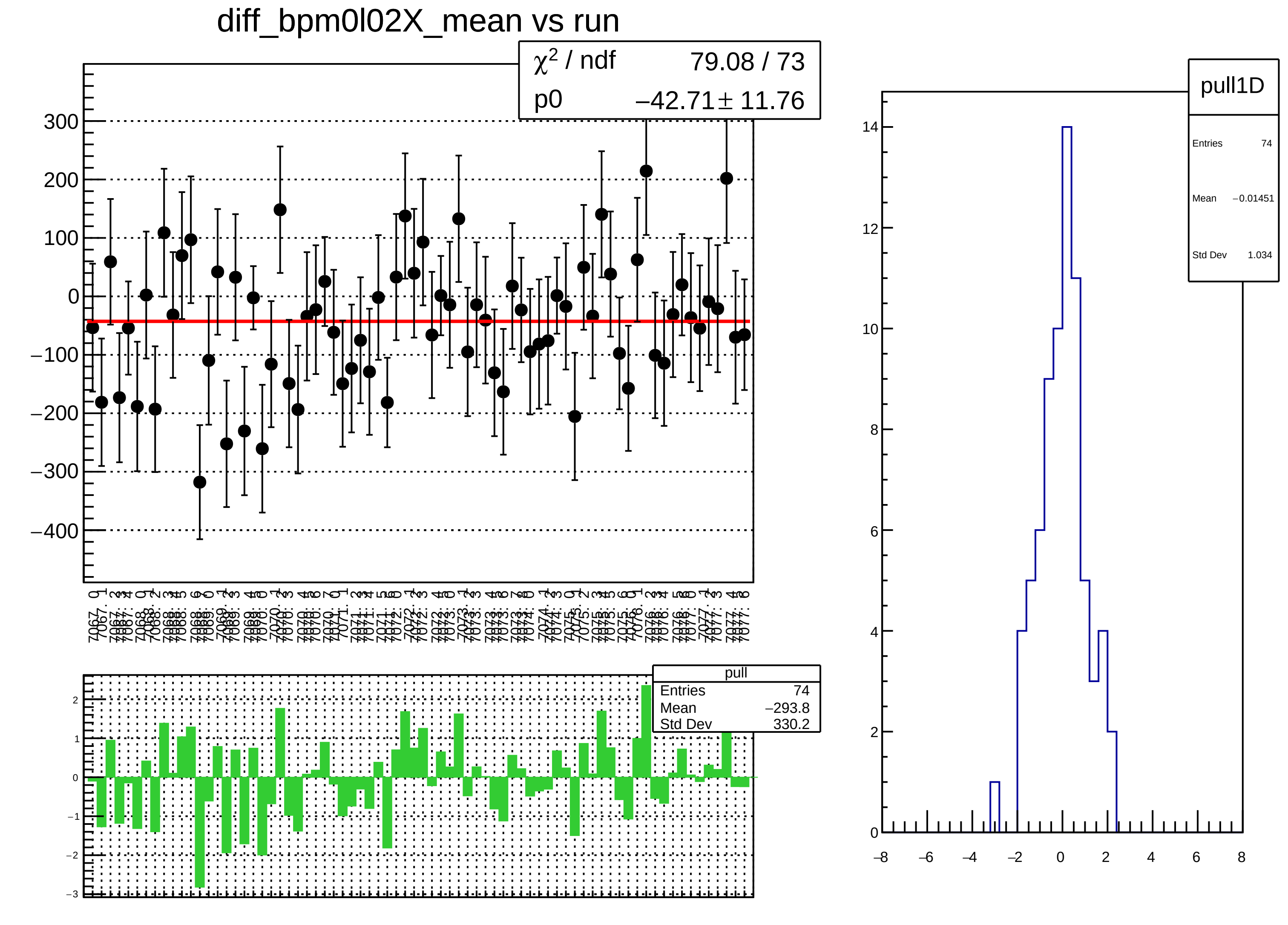
diff_bpm0l01X_mean vs run
χ^2 / ndf 79.06 / 73
p0 −13.85 ± 4.18
pull
Entries 74
Mean −1145
Std Dev 1185
pull1D
Entries 74
Mean −0.004666
Std Dev 1.034


diff_bpm0l01X_rms vs run
χ2 / ndf 489.4 / 73
p0 3661 ± 2.955
3900
3850
3800
3750
3700
3650
3600
3550
3500

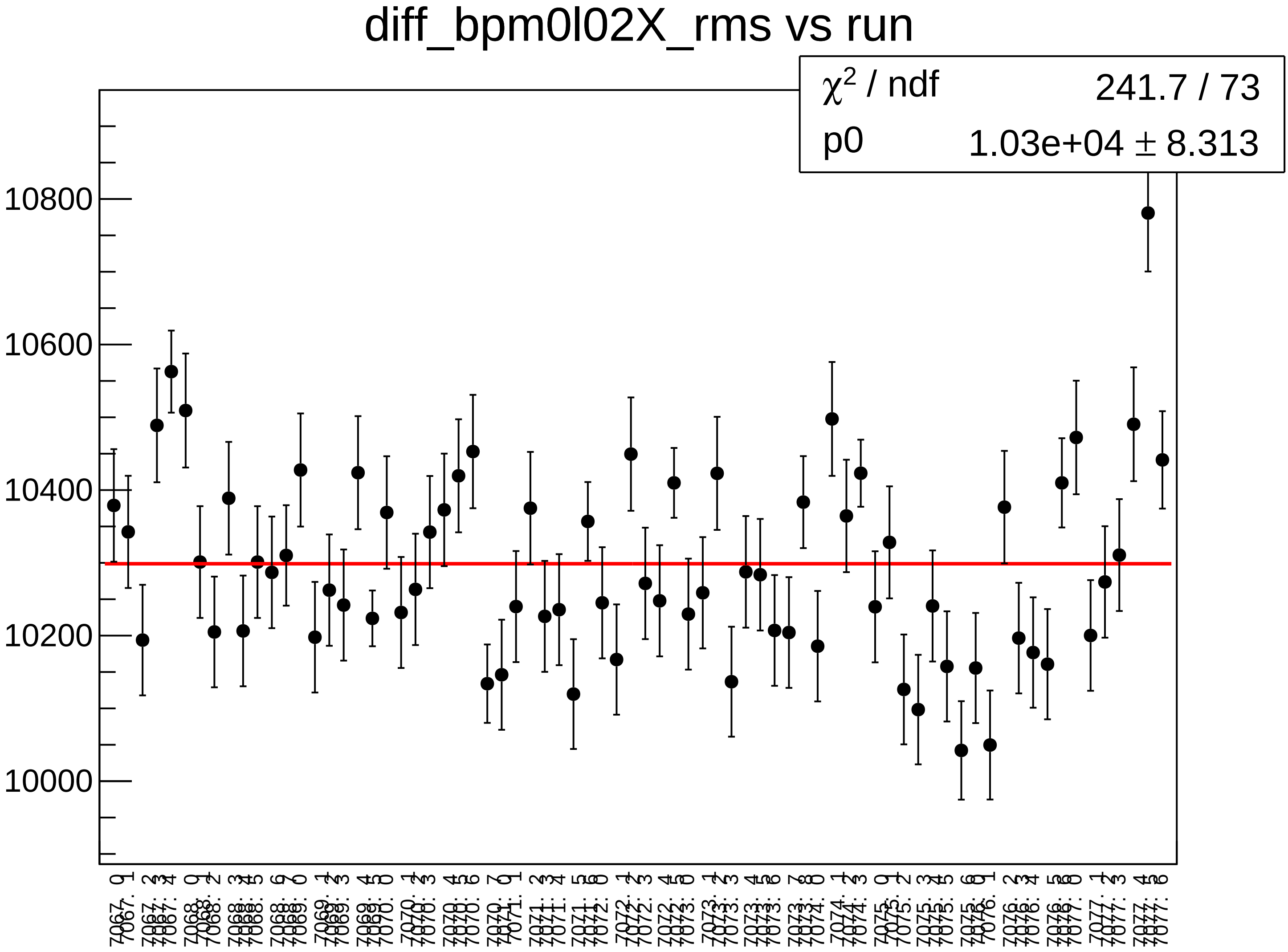

diff_bpm0l01Y_mean vs run
χ^2 / ndf 55.79 / 73
p0 8.511 ± 2.523
pull
Entries 74
Mean 44.64
Std Dev 46.95
pull1D
Entries 74
Mean −0.01275
Std Dev 0.8682

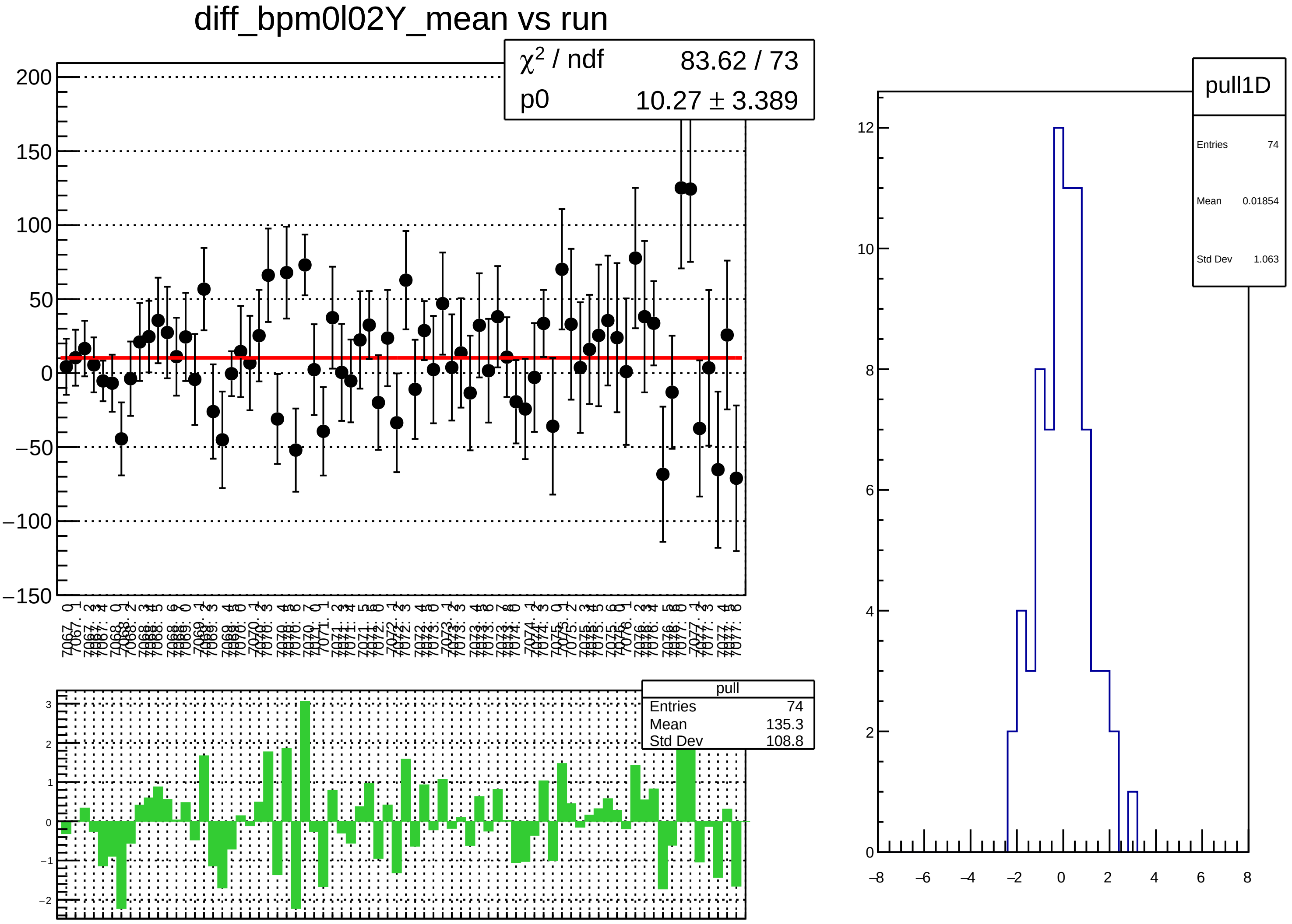


diff_bpm0l01Y_rms vs run
χ^2 / ndf 3143 / 73
p0 2208 ± 1.784
2800
2700
2600
2500
2400
2300
2200
2100
2000

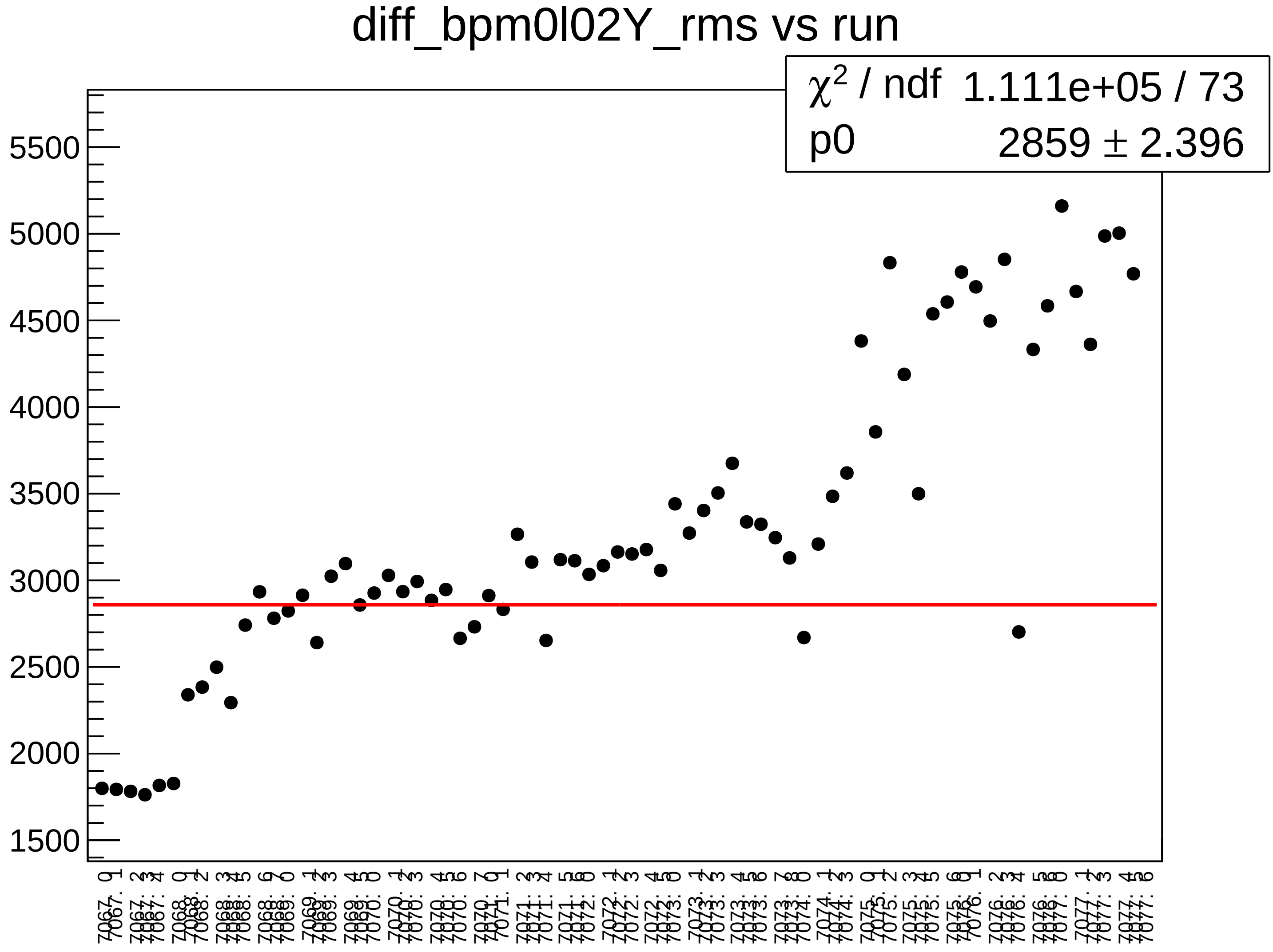


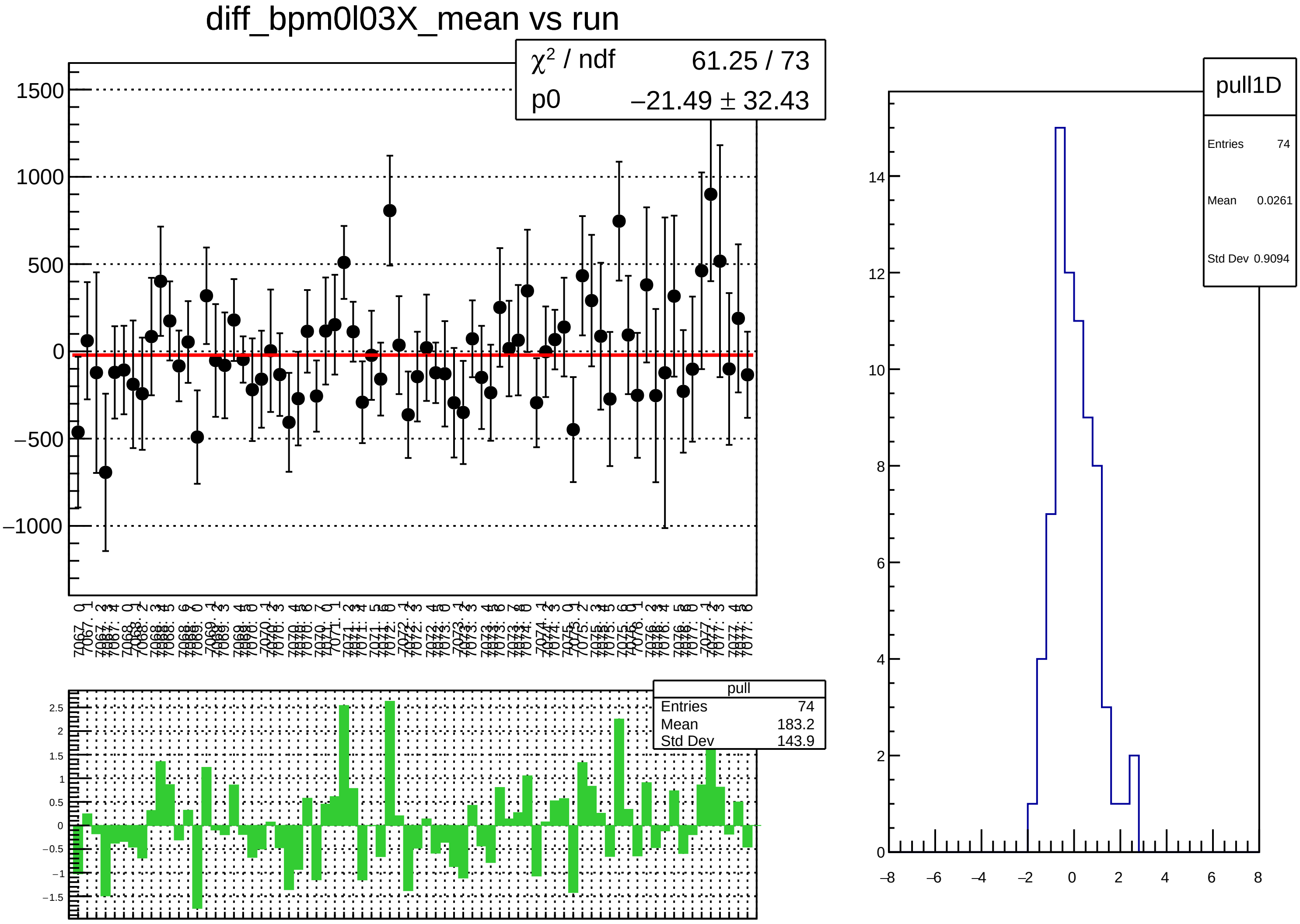
diff_bpm0l02X_mean vs run
χ^2 / ndf 79.08 / 73
p0 −42.71 ± 11.76
pull
Entries 74
Mean −293.8
Std Dev 330.2
pull1D
Entries 74
Mean −0.01451
Std Dev 1.034

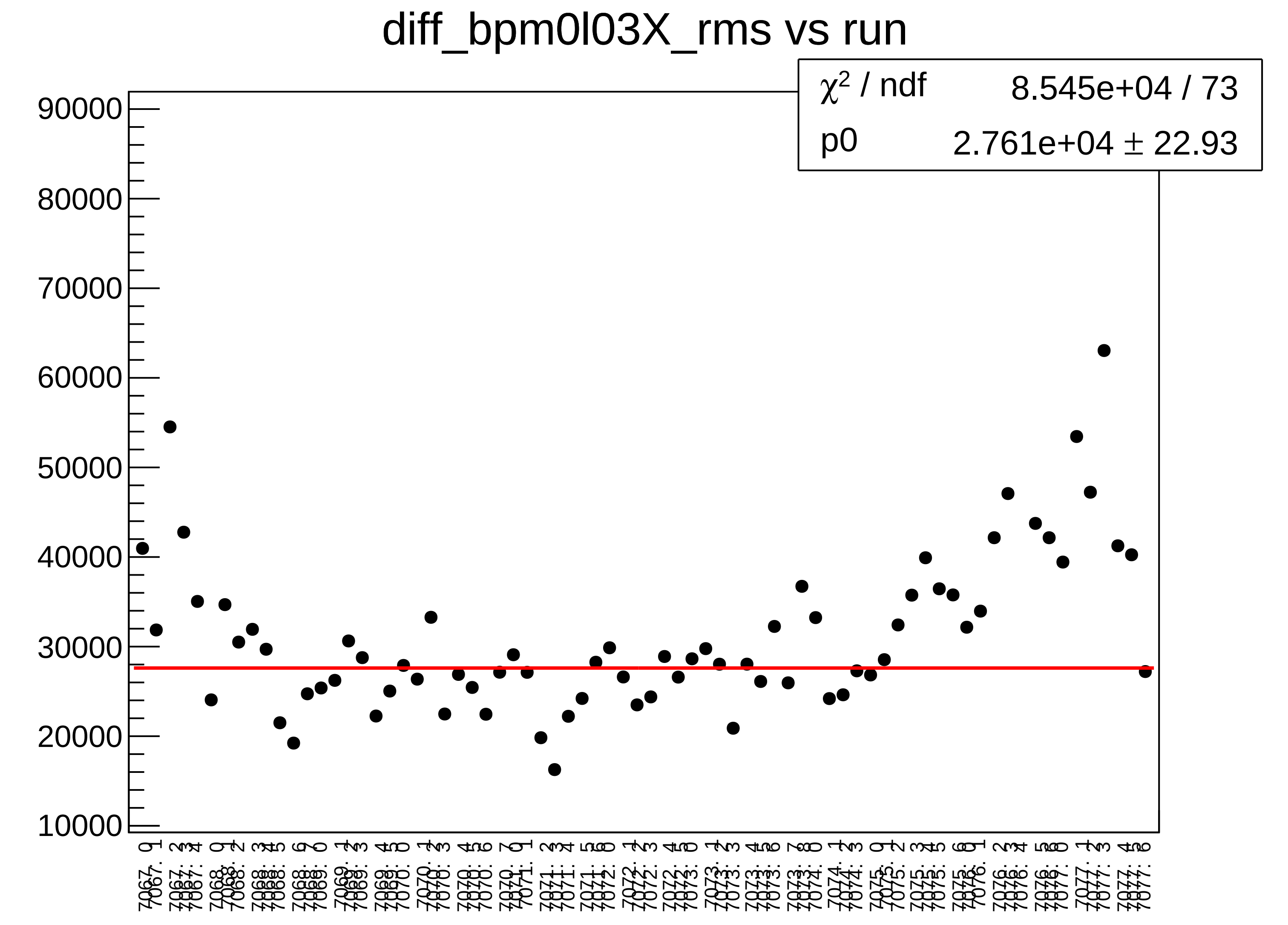

diff_bpm0l02X_rms vs run
χ^2 / ndf 241.7 / 73
p0 1.03e+04 ± 8.313
10800
10600
10400
10200
10000

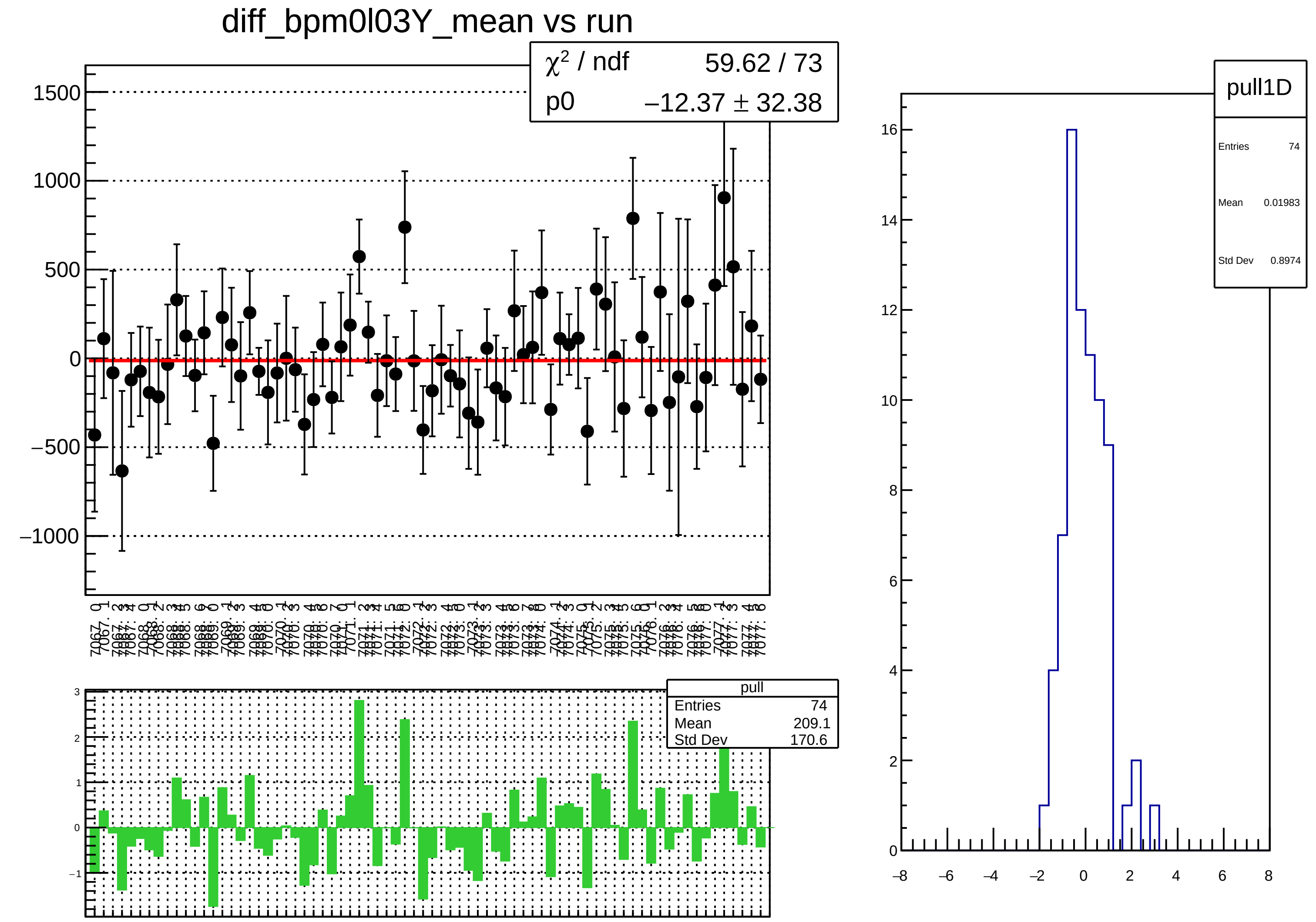


diff_bpm0l02Y_mean vs run
χ^2 / ndf 83.62 / 73
p0 10.27 ± 3.389
pull
Entries 74
Mean 135.3
Std Dev 108.8
pull1D
Entries 74
Mean 0.01854
Std Dev 1.063

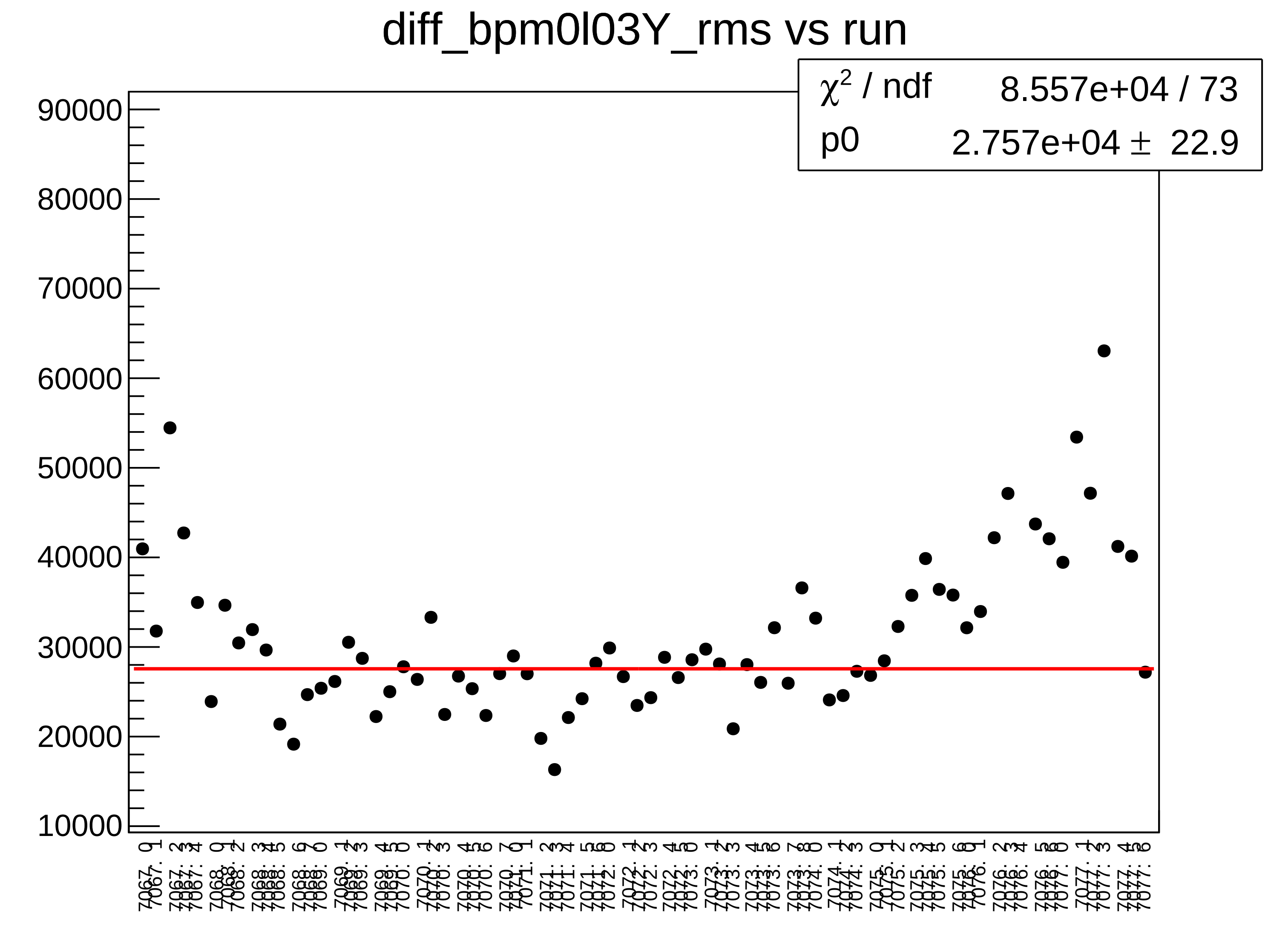

diff_bpm0I02Y_rms vs run
χ2 / ndf 1.111e+05 / 73
p0 2859 ± 2.396
5500
5000
4500
4000
3500
3000
2500
2000
1500

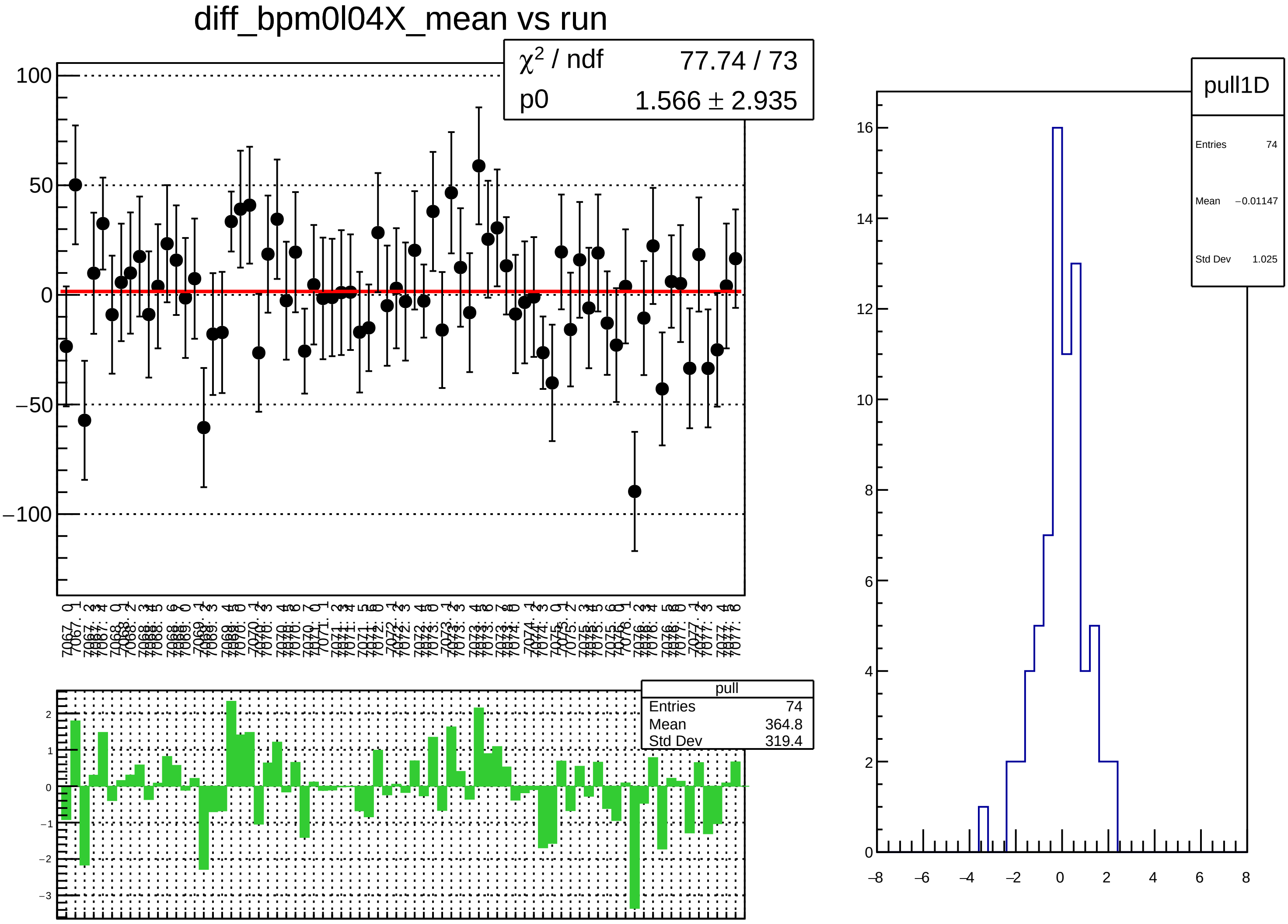

diff_bpm0l03X_mean vs run
χ^2 / ndf 61.25 / 73
p0 −21.49 ± 32.43
1500
1000
500
0
−500
−1000
pull
Entries 74
Mean 183.2
Std Dev 143.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 74
Mean 0.0261
Std Dev 0.9094
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

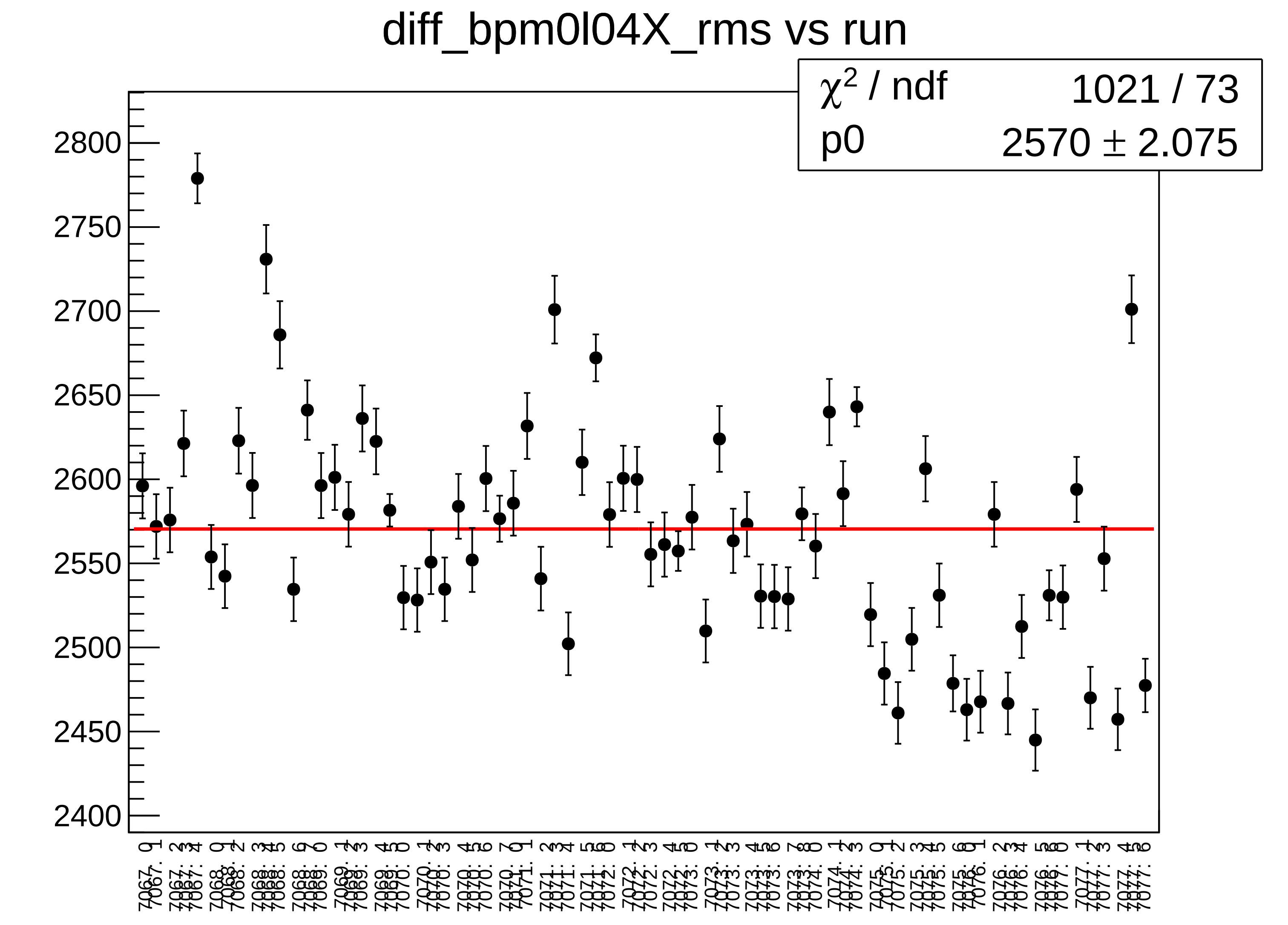

diff_bpm0l03X_rms vs run
χ2 / ndf 8.545e+04 / 73
p0 2.761e+04 ± 22.93
90000
80000
70000
60000
50000
40000
30000
20000
10000

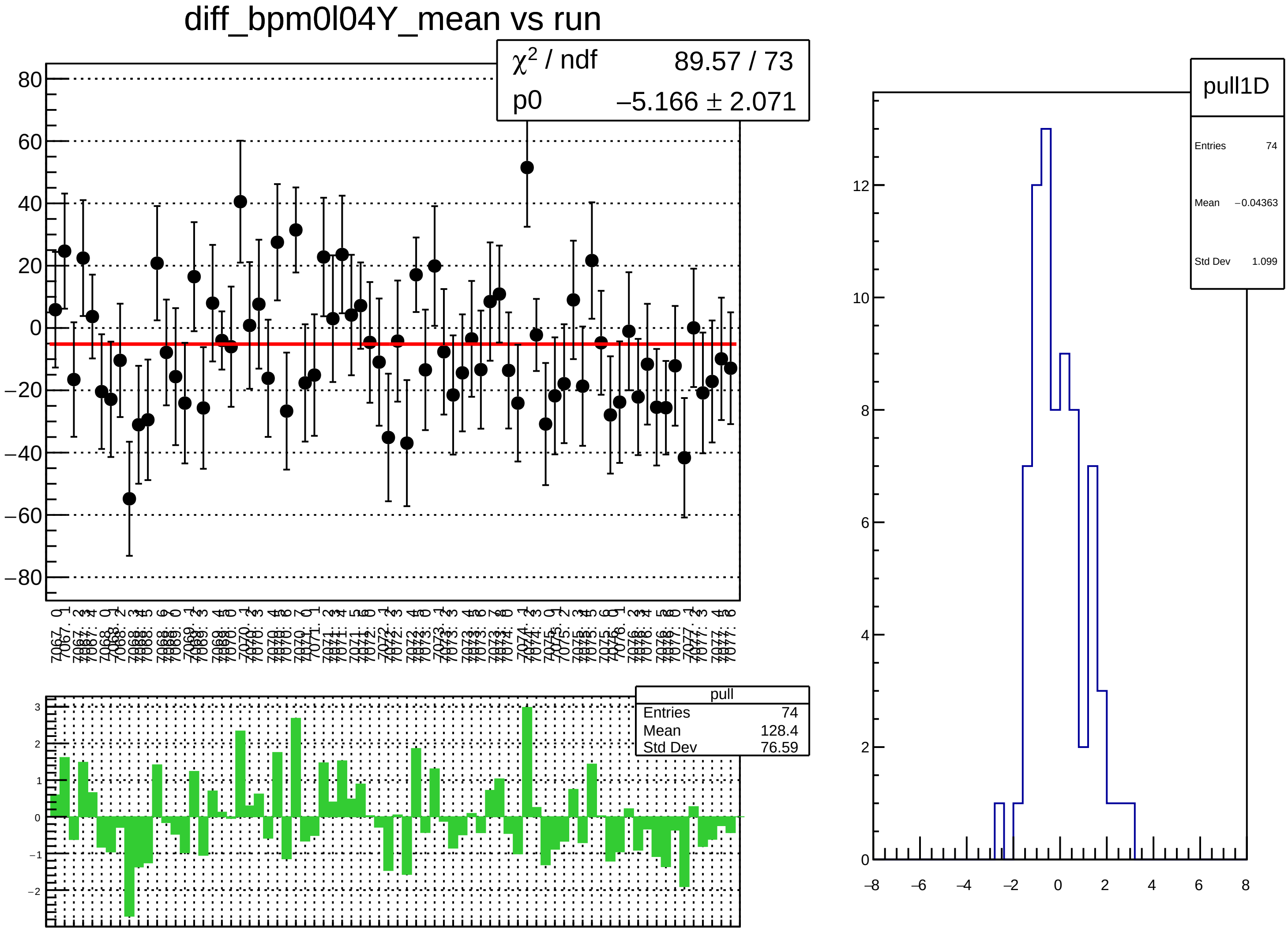


diff_bpm0l03Y_mean vs run
χ^2 / ndf 59.62 / 73
p0 −12.37 ± 32.38
1500
1000
500
0
−500
−1000
pull
Entries 74
Mean 209.1
Std Dev 170.6
pull1D
Entries 74
Mean 0.01983
Std Dev 0.8974


diff_bpm0l03Y_rms vs run
χ^2 / ndf 8.557e+04 / 73
p0 2.757e+04 ± 22.9
90000
80000
70000
60000
50000
40000
30000
20000
10000

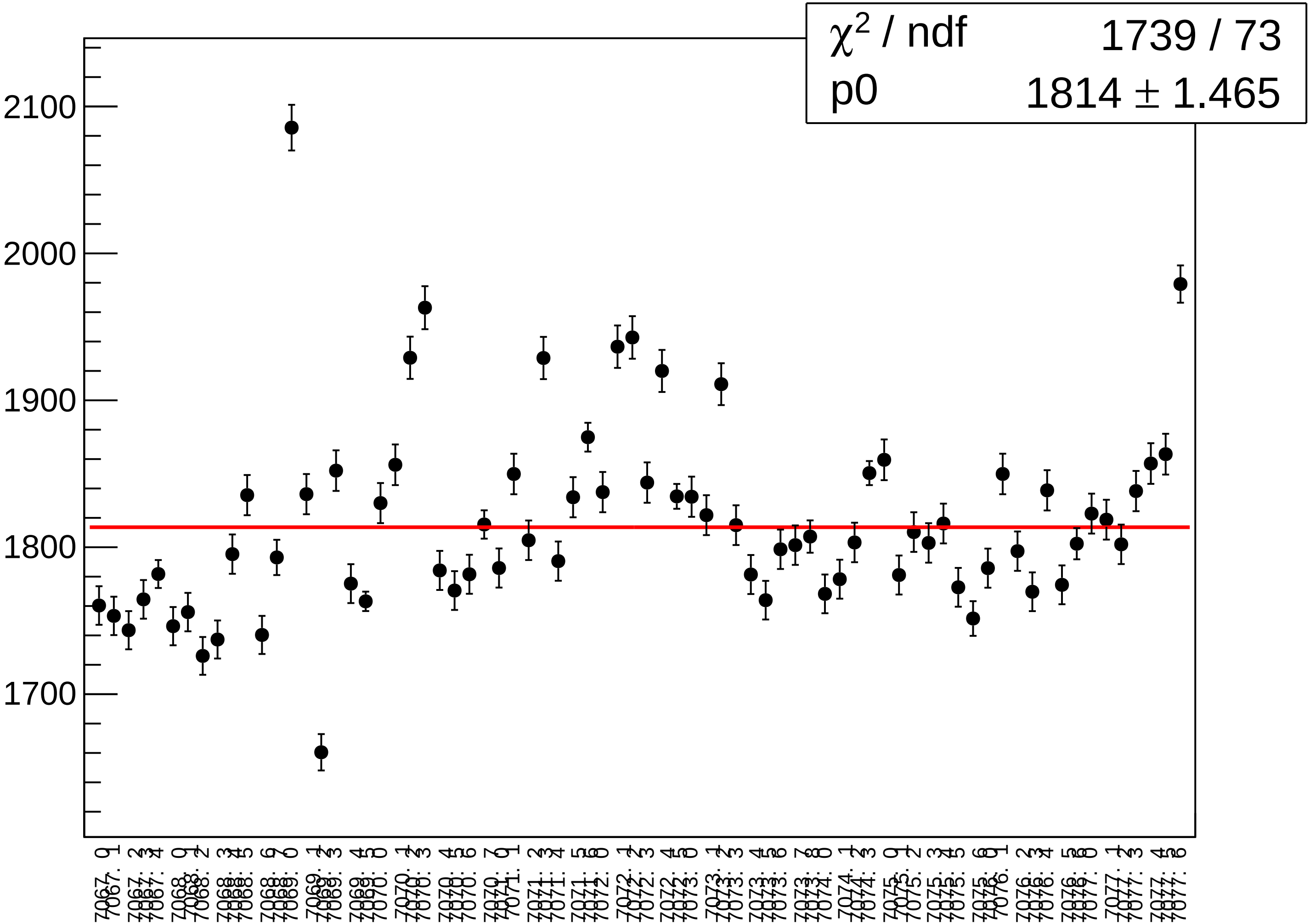

diff_bpm0l04X_mean vs run
χ2 / ndf 77.74 / 73
p0 1.566 ± 2.935
pull
Entries 74
Mean 364.8
Std Dev 319.4
pull1D
Entries 74
Mean −0.01147
Std Dev 1.025

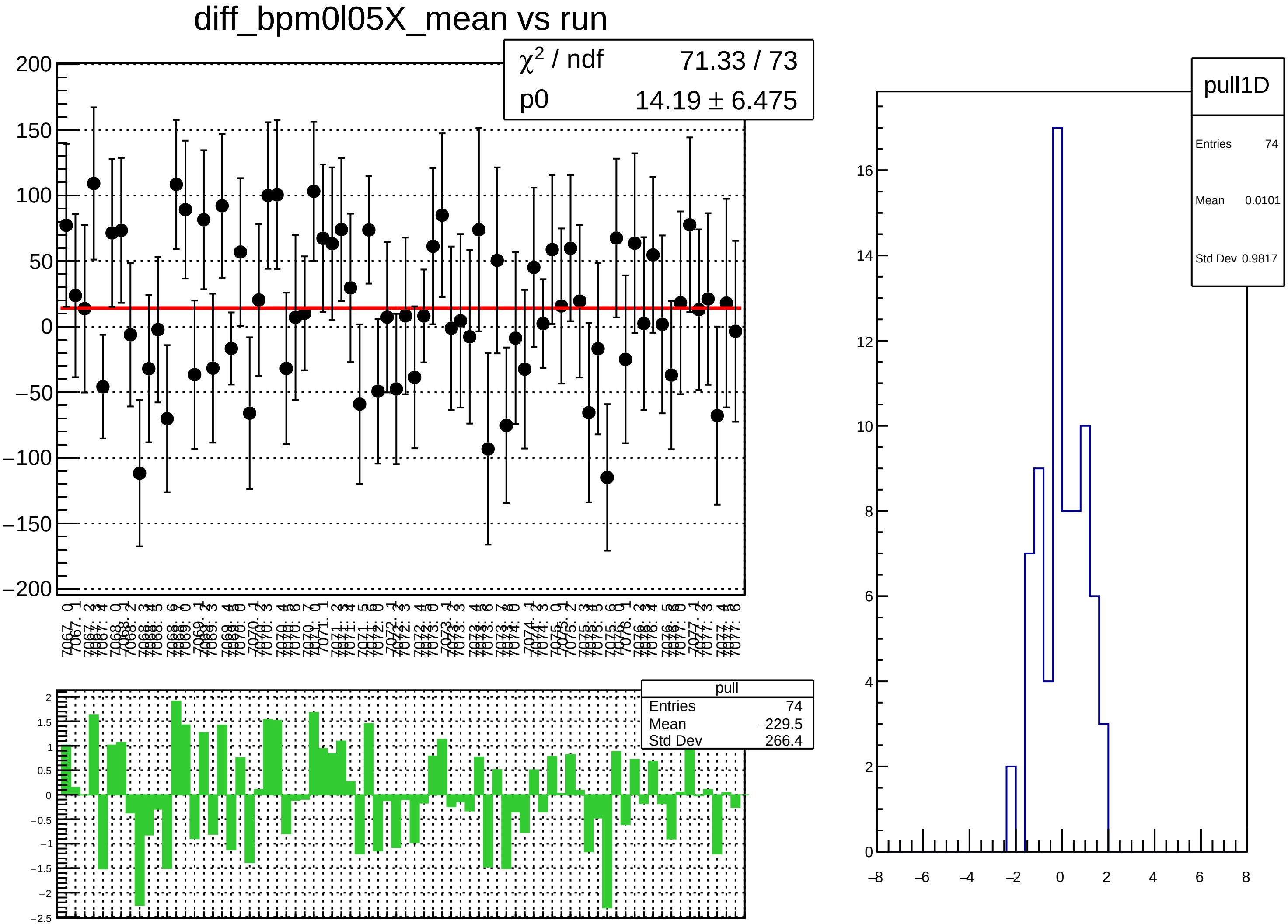

diff_bpm0l04X_rms vs run
χ^2 / ndf 1021 / 73
p0 2570 ± 2.075
2800
2750
2700
2650
2600
2550
2500
2450
2400

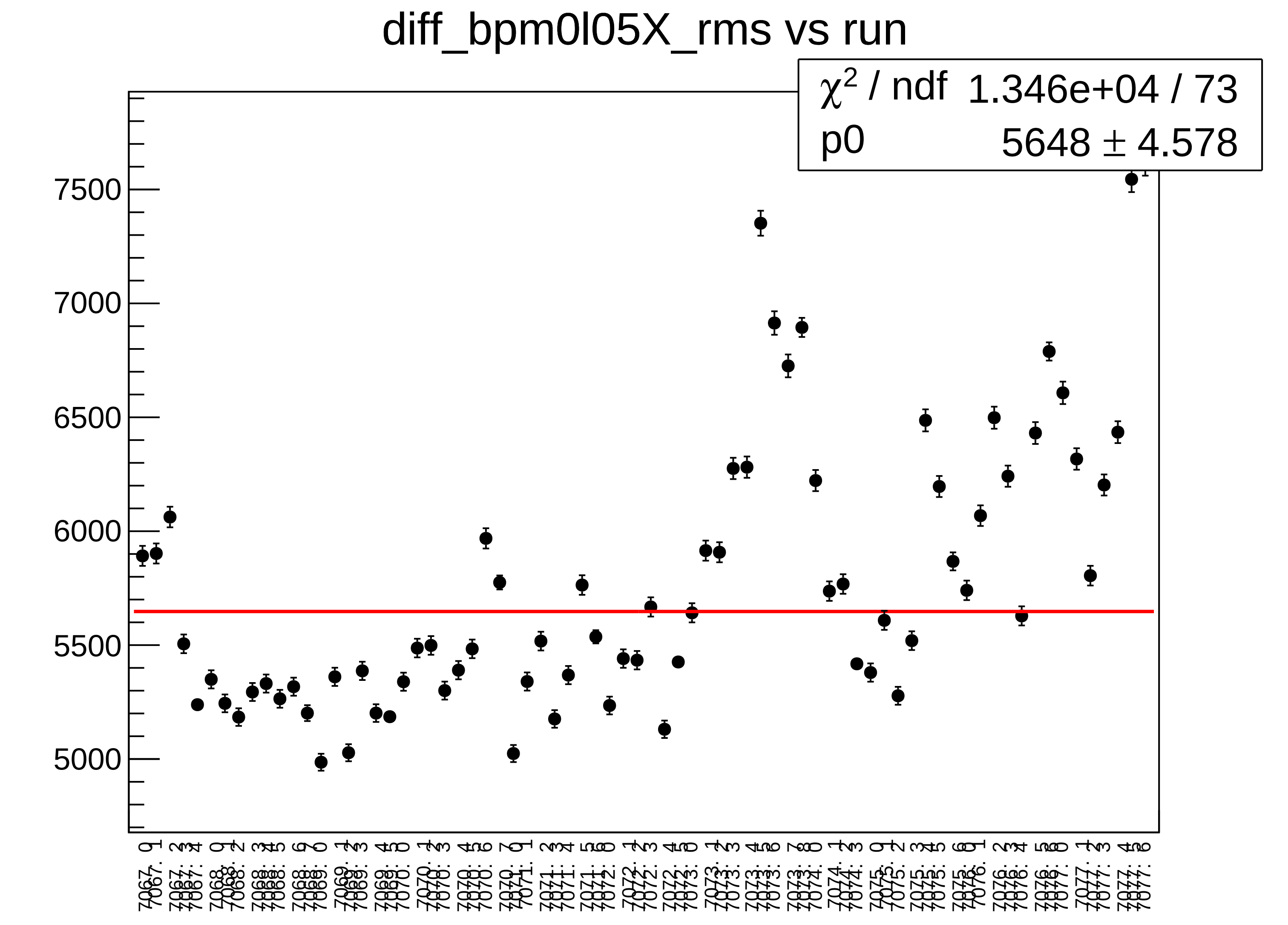


diff_bpm0l04Y_mean vs run
χ^2 / ndf 89.57 / 73
p0 −5.166 ± 2.071
pull
Entries 74
Mean 128.4
Std Dev 76.59
pull1D
Entries 74
Mean −0.04363
Std Dev 1.099

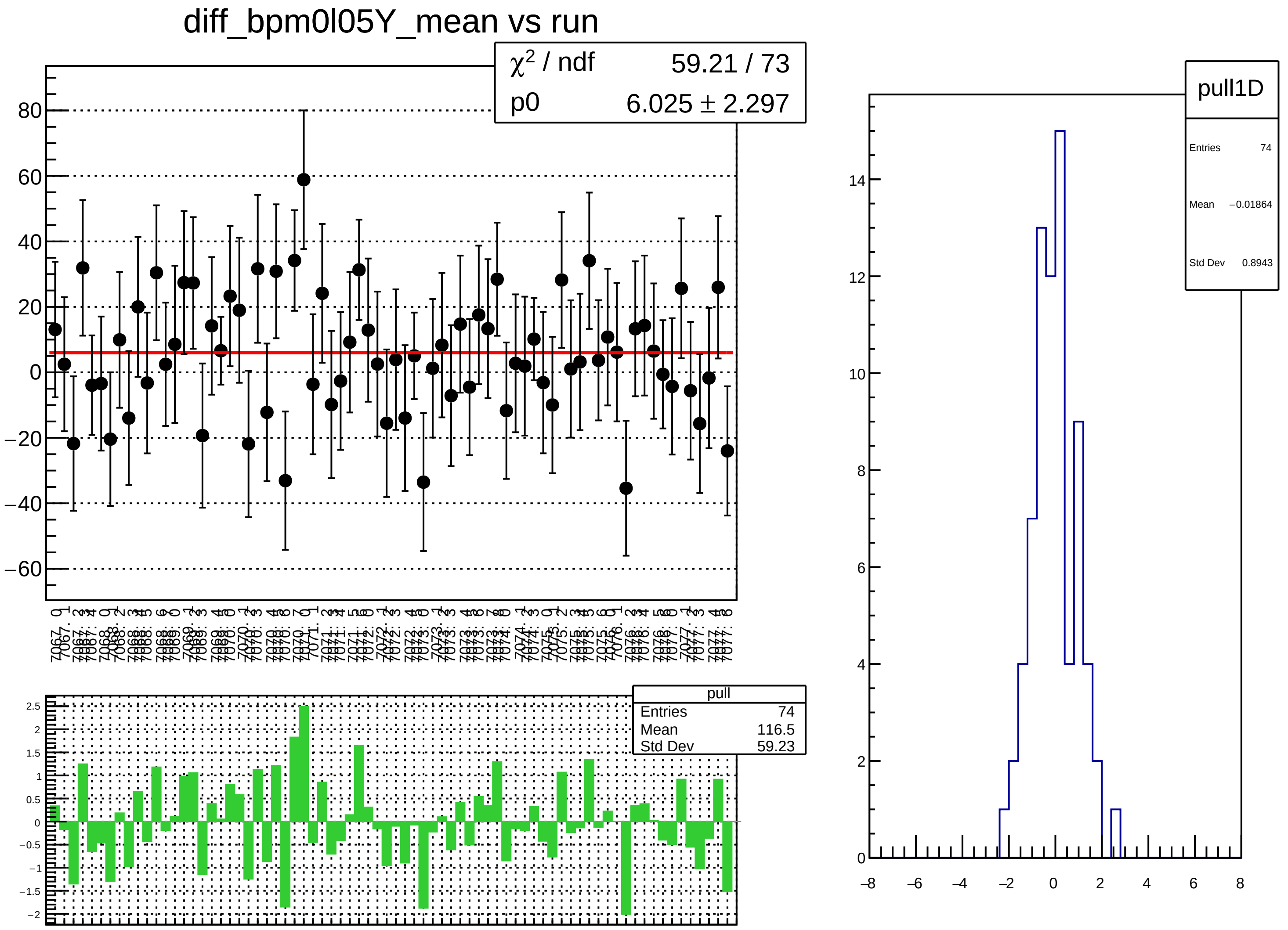
diff_bpm0l04Y_rms vs run



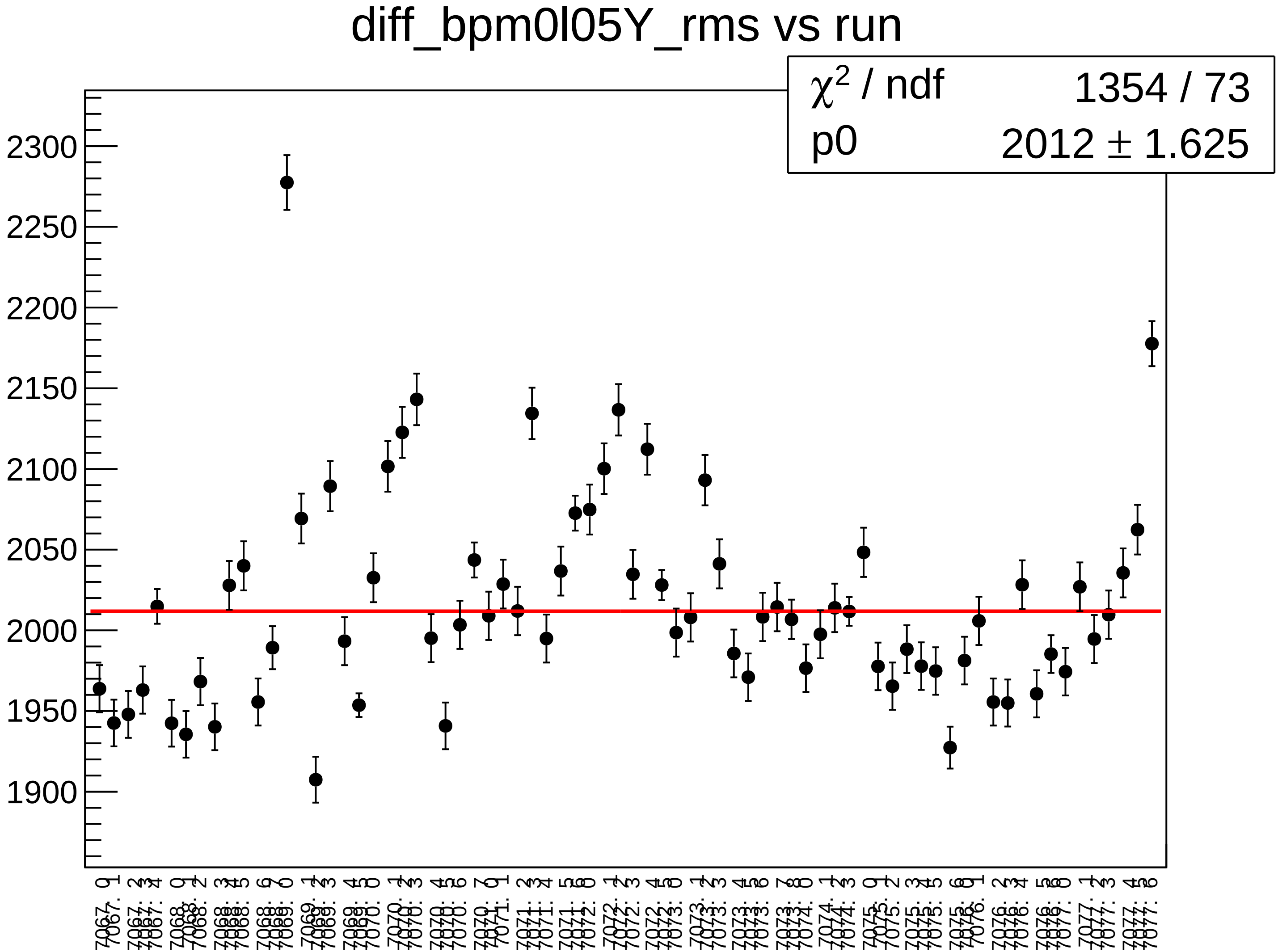

diff_bpm0l05X_mean vs run
χ^2 / ndf 71.33 / 73
p0 14.19 ± 6.475
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 74
Mean −229.5
Std Dev 266.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 74
Mean 0.0101
Std Dev 0.9817
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

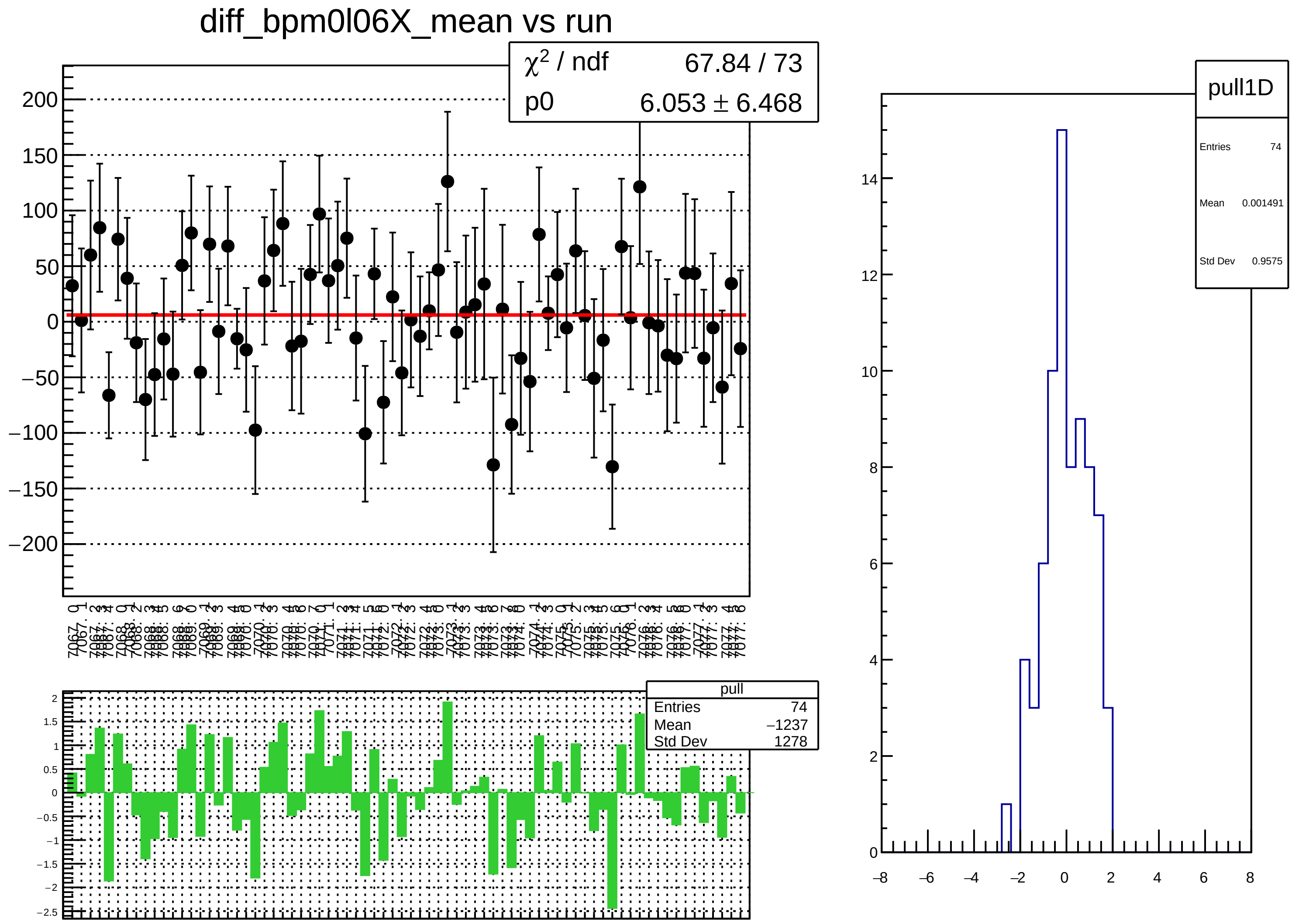


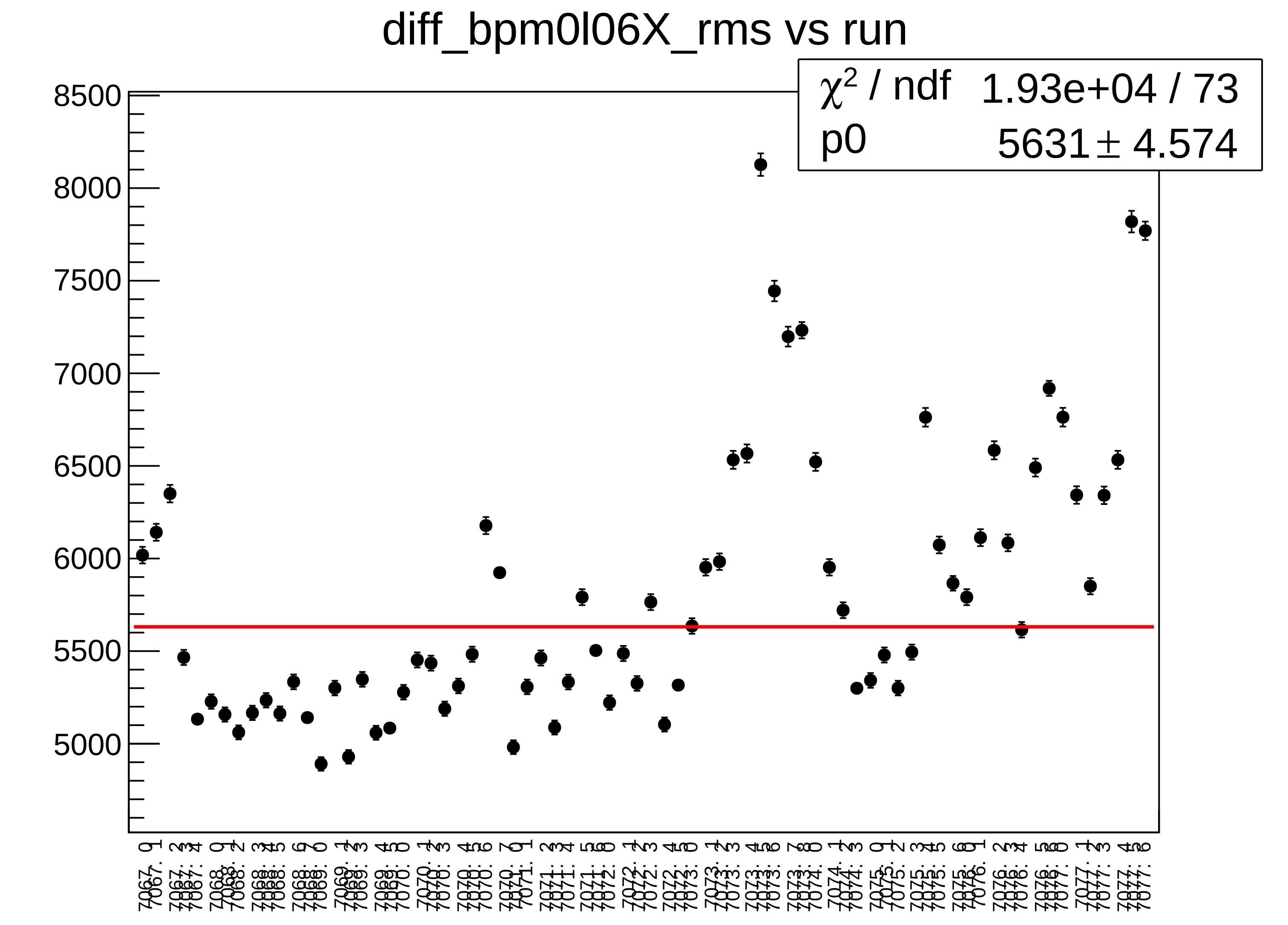
diff_bpm0l05X_rms vs run
χ^2 / ndf 1.346e+04 / 73
p0 5648 ± 4.578
7500
7000
6500
6000
5500
5000



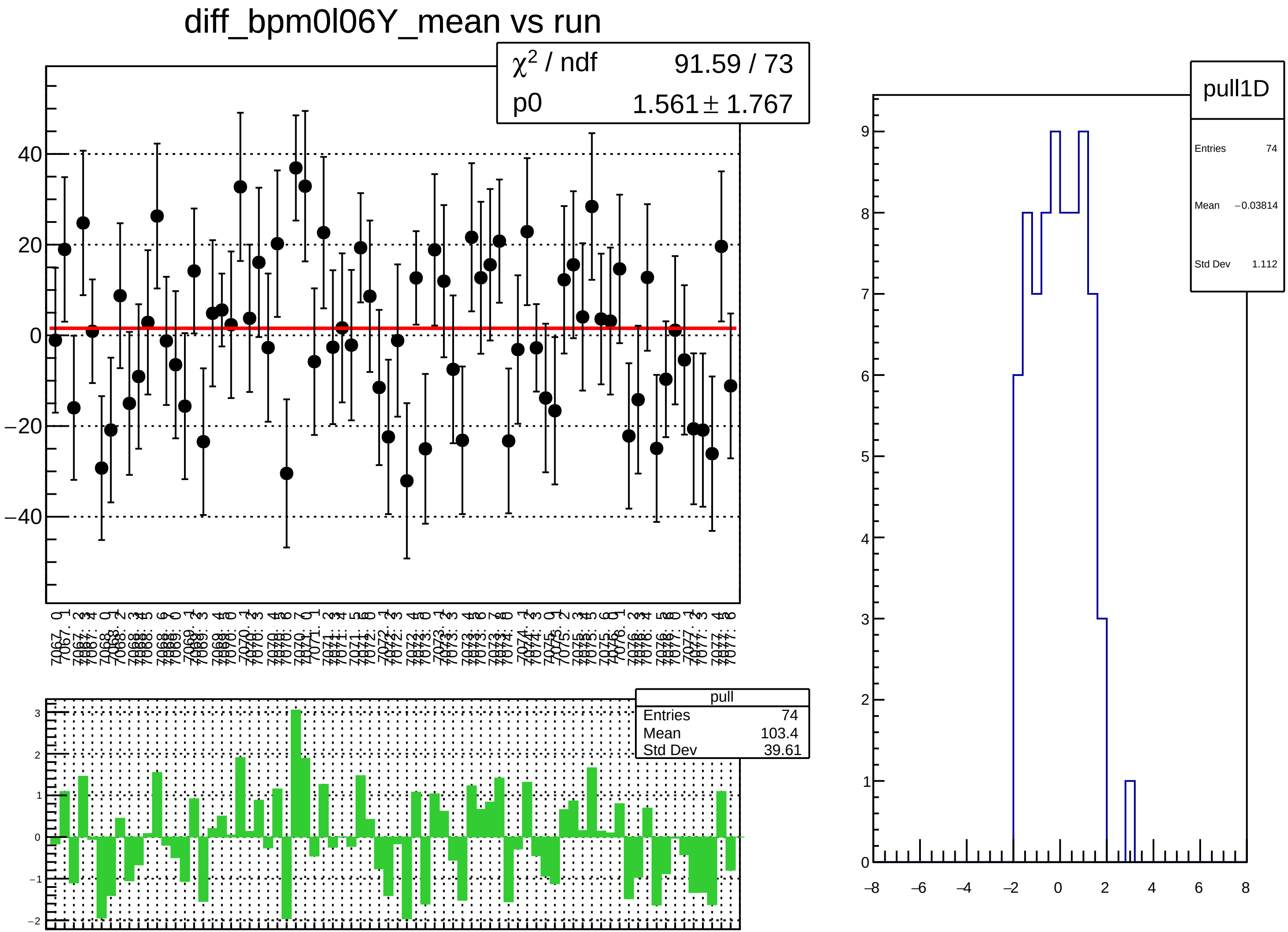
diff_bpm0l05Y_mean vs run
χ^2 / ndf 59.21 / 73
p0 6.025 ± 2.297
pull
Entries 74
Mean 116.5
Std Dev 59.23
pull1D
Entries 74
Mean −0.01864
Std Dev 0.8943

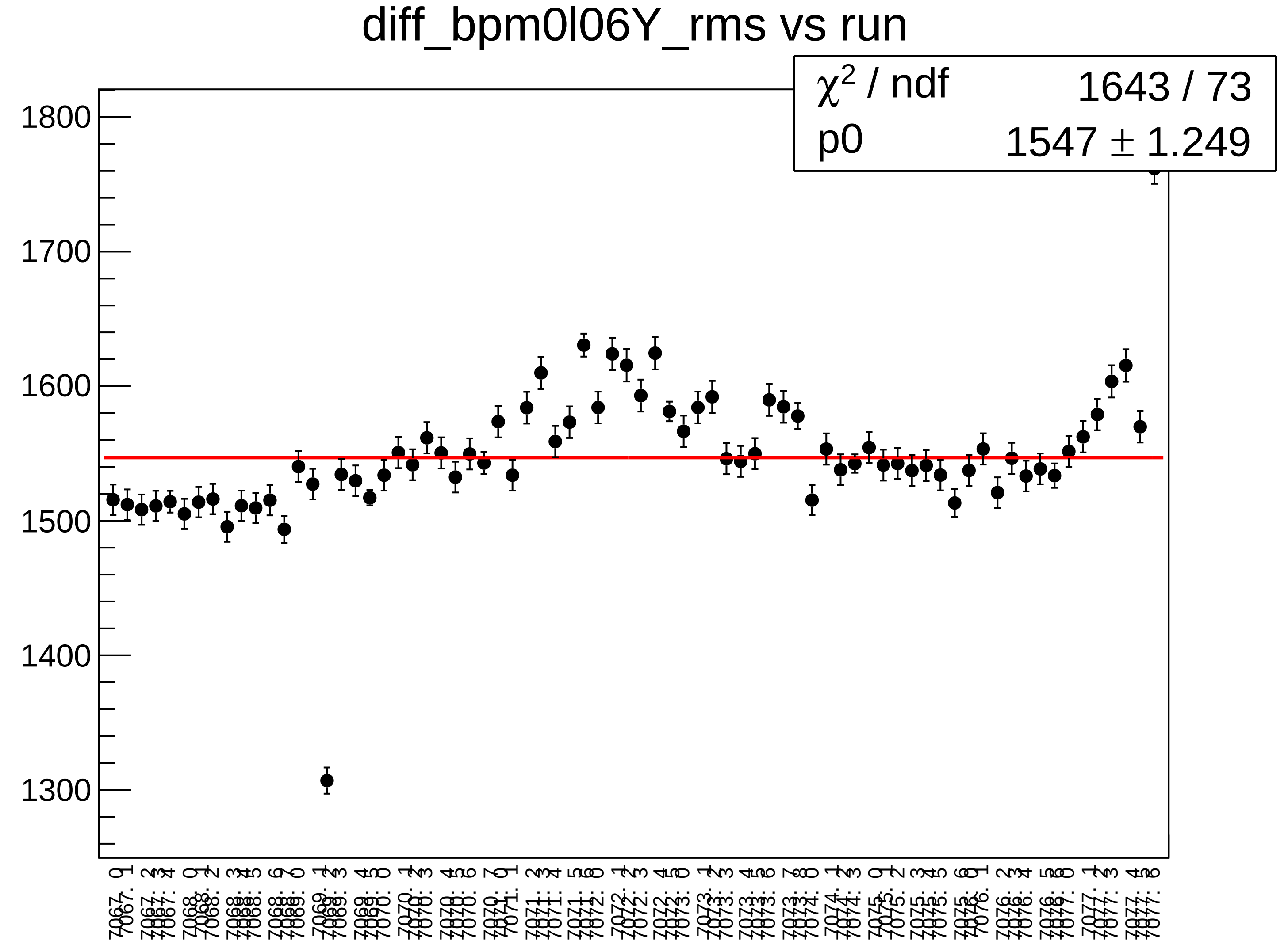

diff_bpm0l05Y_rms vs run
χ^2 / ndf 1354 / 73
p0 2012 ± 1.625
2300
2250
2200
2150
2100
2050
2000
1950
1900

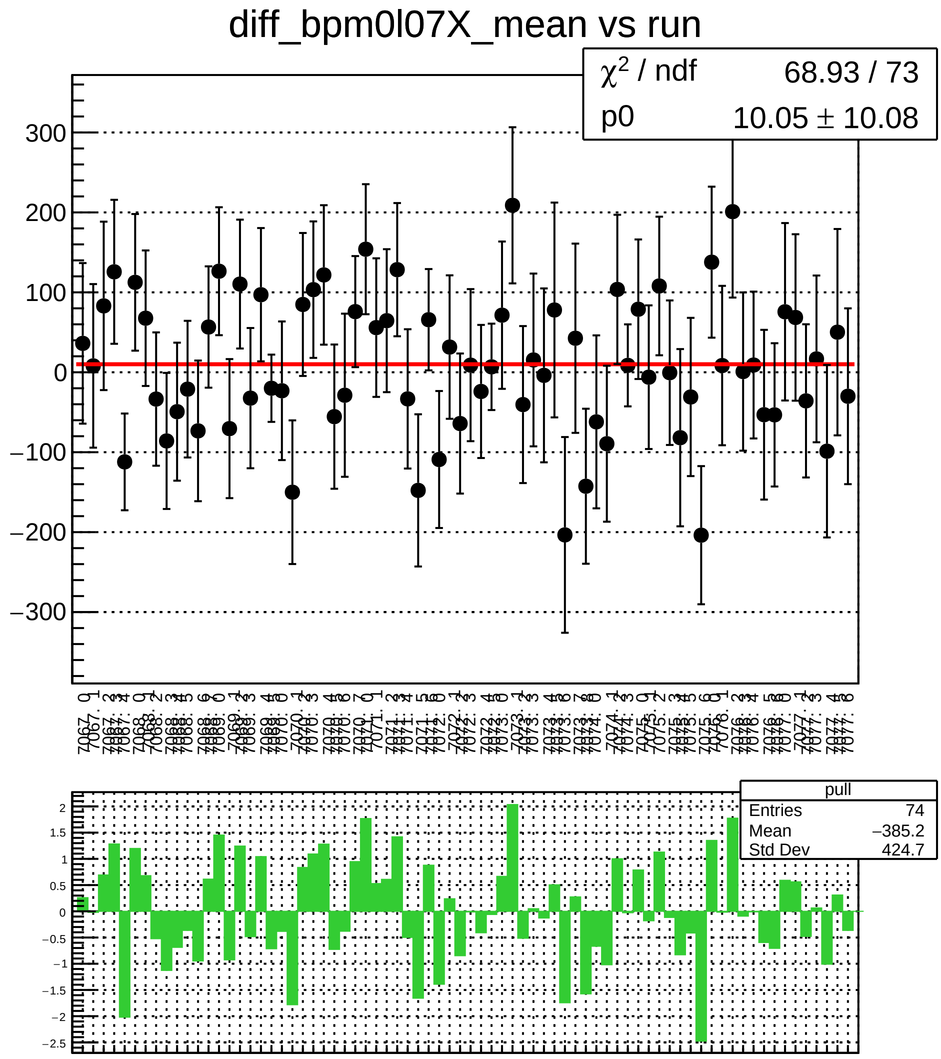
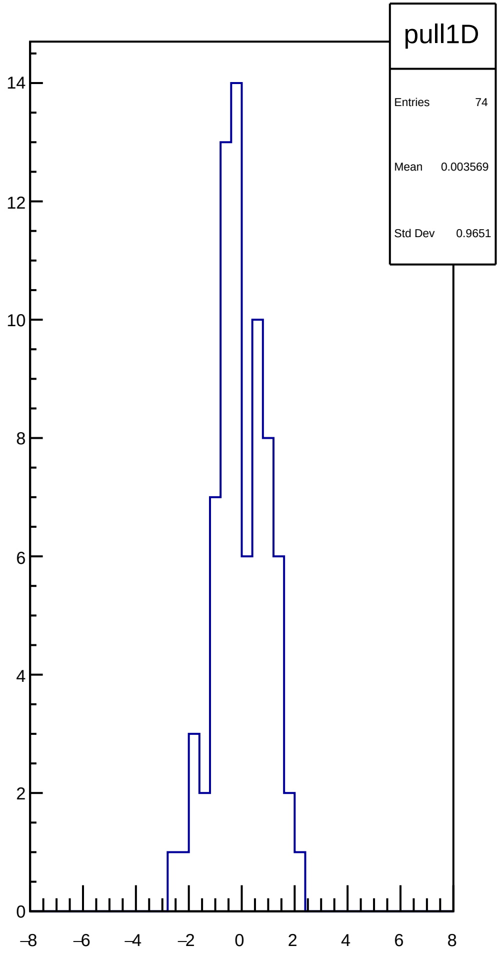

diff_bpm0l06X_mean vs run
χ^2 / ndf 67.84 / 73
p0 6.053 ± 6.468
pull
Entries 74
Mean −1237
Std Dev 1278
pull1D
Entries 74
Mean 0.001491
Std Dev 0.9575

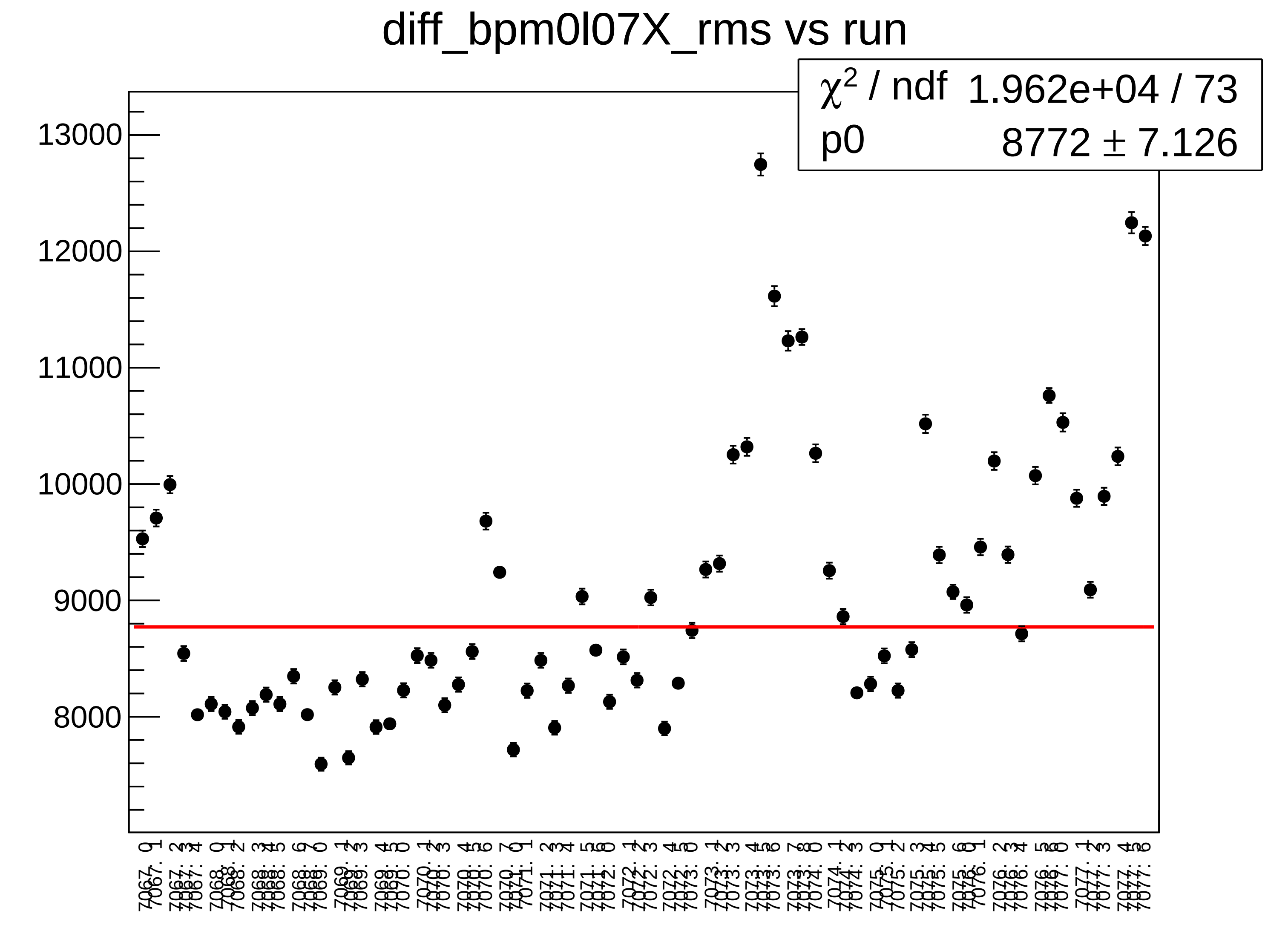


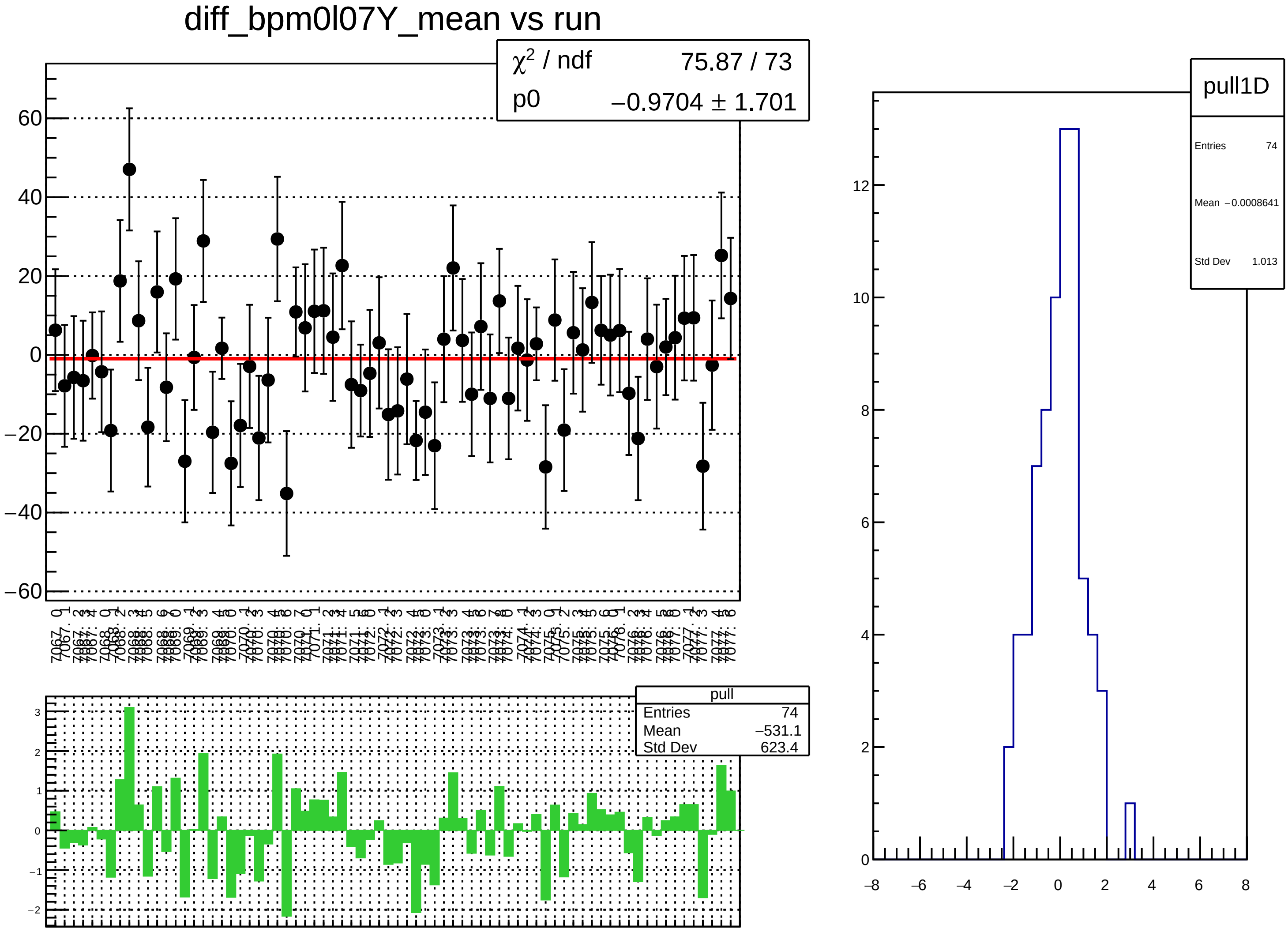
diff_bpm0l06X_rms vs run
χ^2 / ndf 1.93e+04 / 73
p0 5631 ± 4.574
8500
8000
7500
7000
6500
6000
5500
5000


diff_bpm0l06Y_mean vs run
χ^2 / ndf 91.59 / 73
p0 1.561 ± 1.767
pull
Entries 74
Mean 103.4
Std Dev 39.61
pull1D
Entries 74
Mean −0.03814
Std Dev 1.112

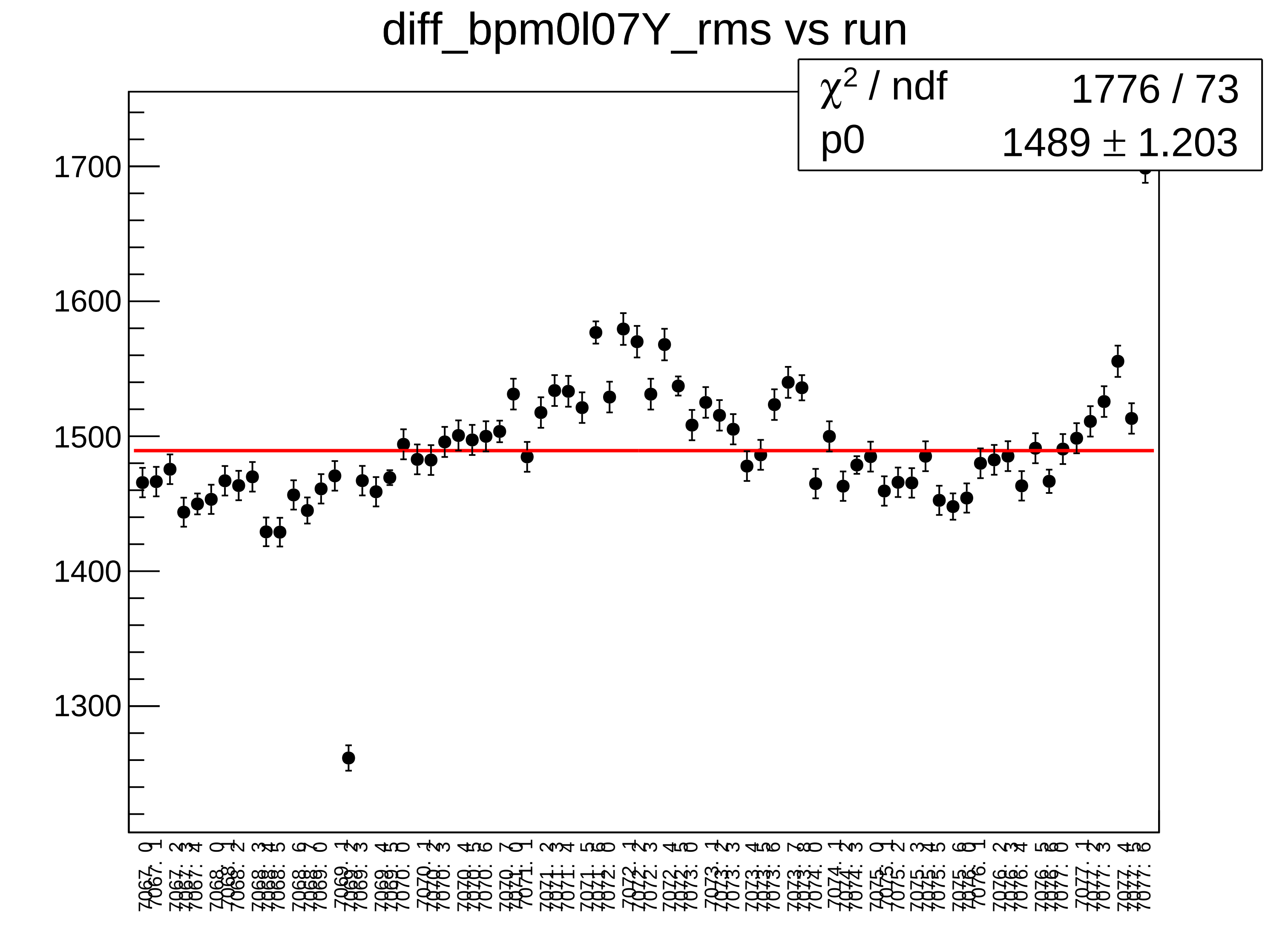

diff_bpm0l06Y_rms vs run
χ2 / ndf 1643 / 73
p0 1547 ± 1.249
1800
1700
1600
1500
1400
1300


diff_bpm0l07X_mean vs run
χ^2 / ndf 68.93 / 73
p0 10.05 ± 10.08
pull
Entries 74
Mean −385.2
Std Dev 424.7

pull1D
Entries 74
Mean 0.003569
Std Dev 0.9651

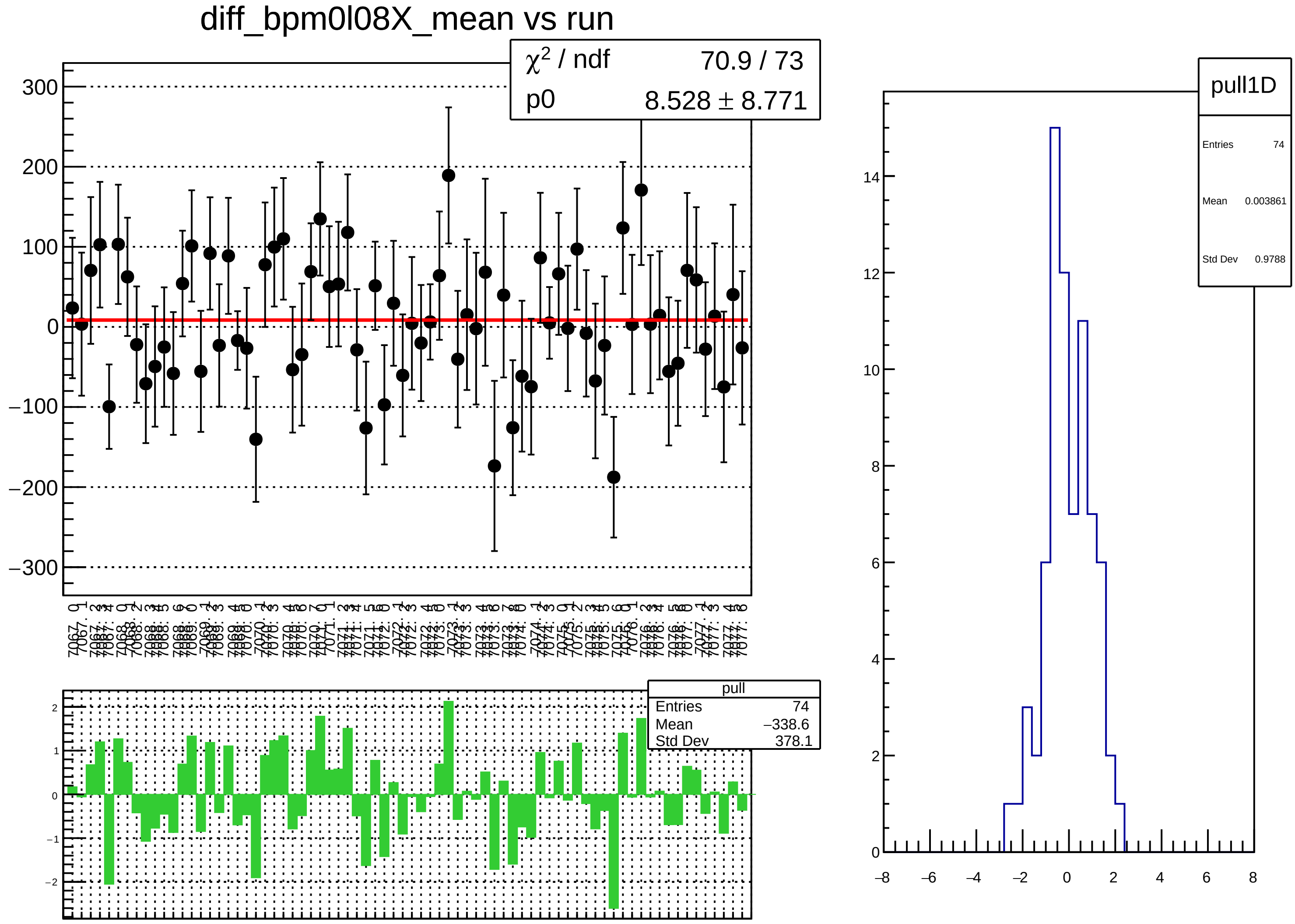

diff_bpm0l07X_rms vs run
χ2 / ndf 1.962e+04 / 73
p0 8772 ± 7.126
13000
12000
11000
10000
9000
8000



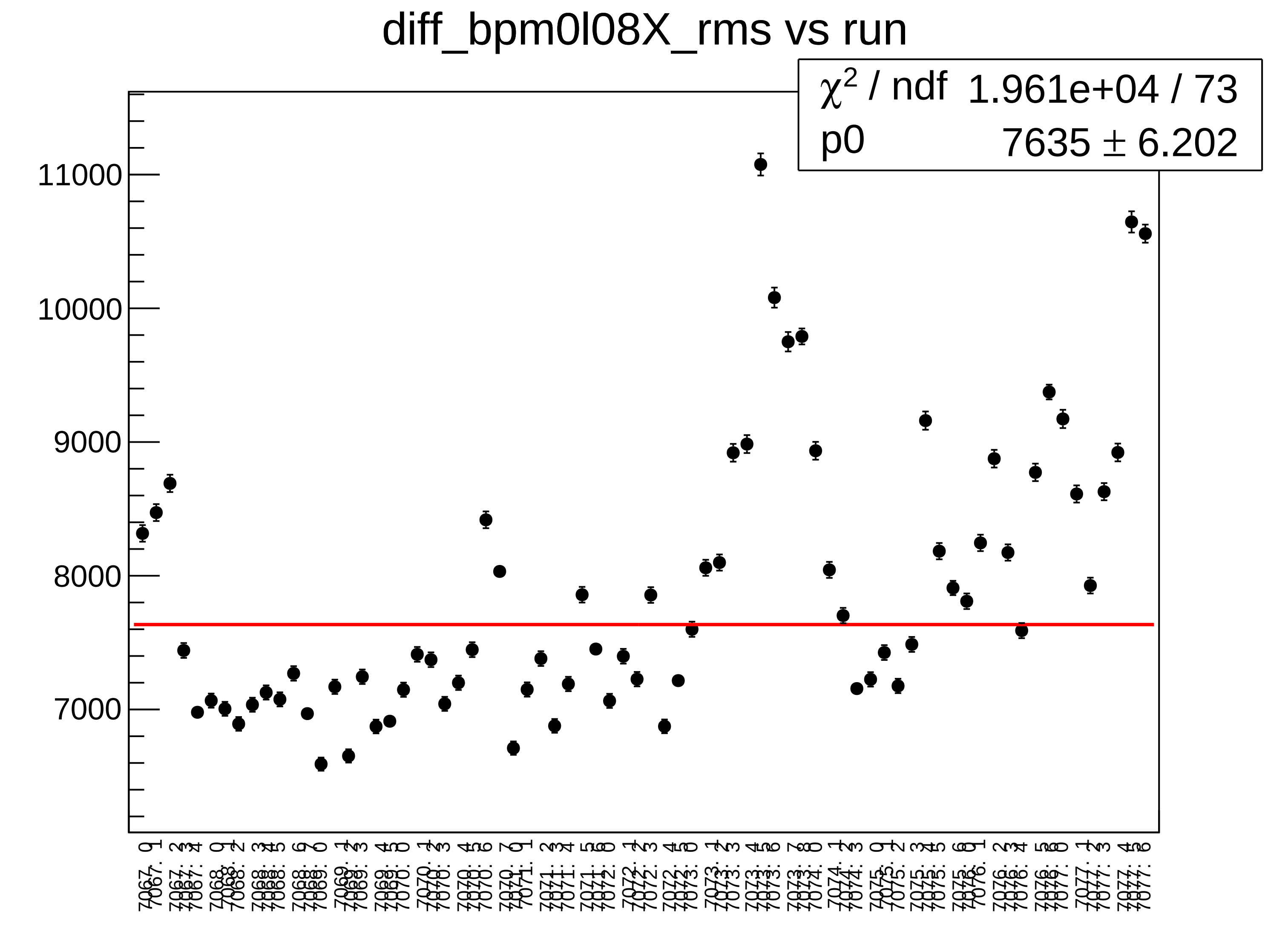
diff_bpm0l07Y_mean vs run
χ^2 / ndf 75.87 / 73
p0 −0.9704 ± 1.701
pull
Entries 74
Mean −531.1
Std Dev 623.4
pull1D
Entries 74
Mean −0.0008641
Std Dev 1.013

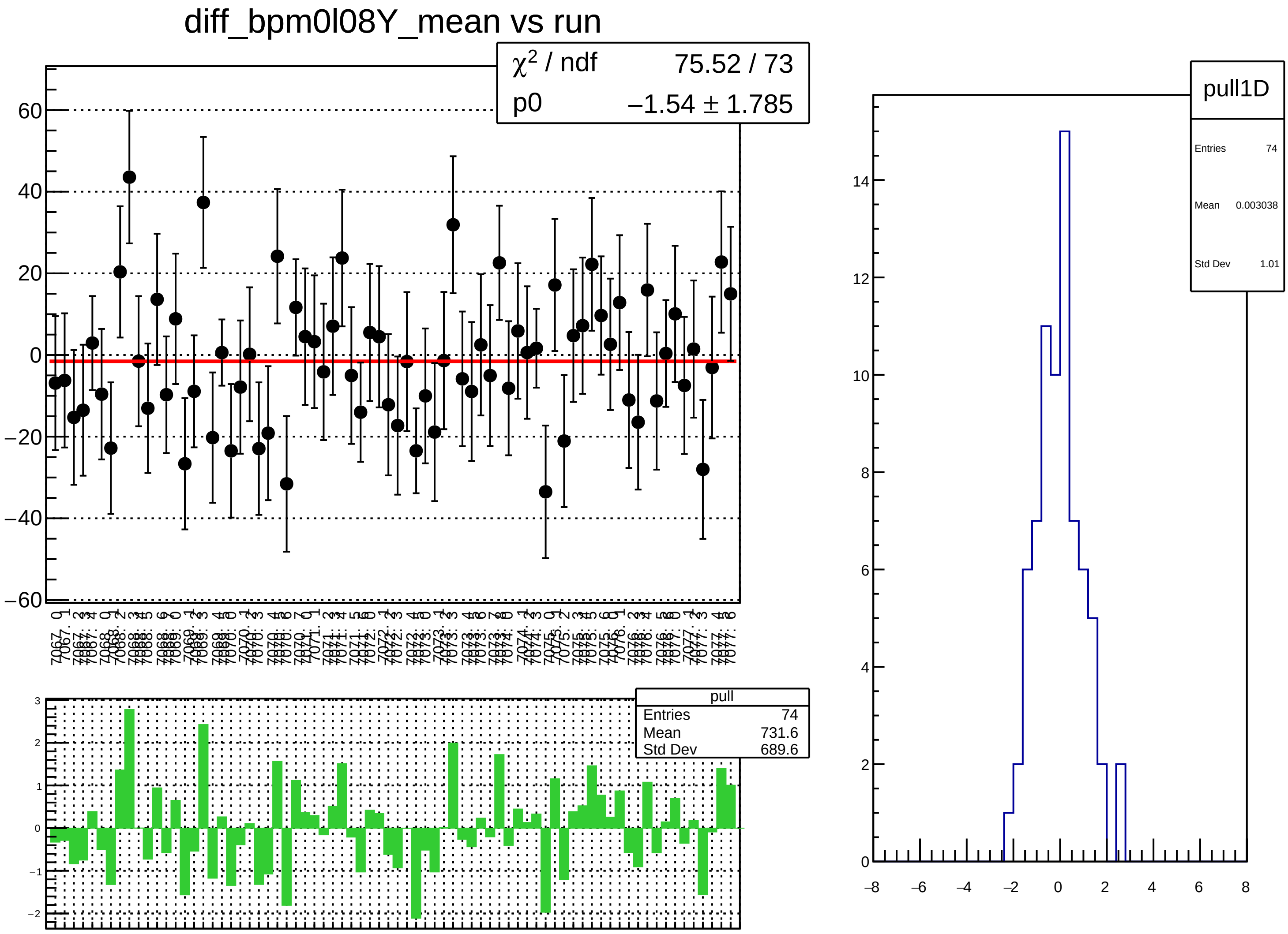


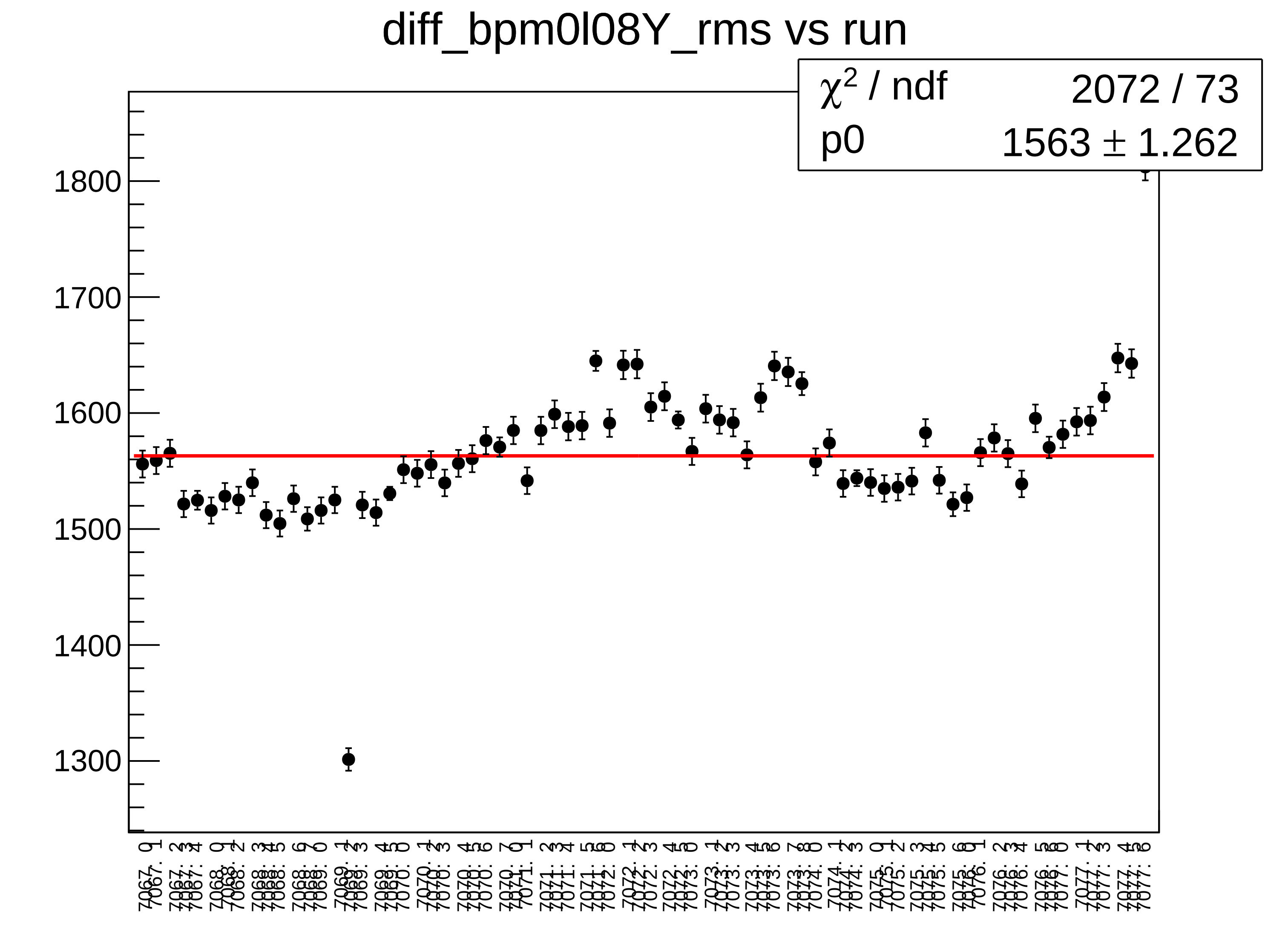
diff_bpm0l07Y_rms vs run
χ^2 / ndf 1776 / 73
p0 1489 ± 1.203
1700
1600
1500
1400
1300

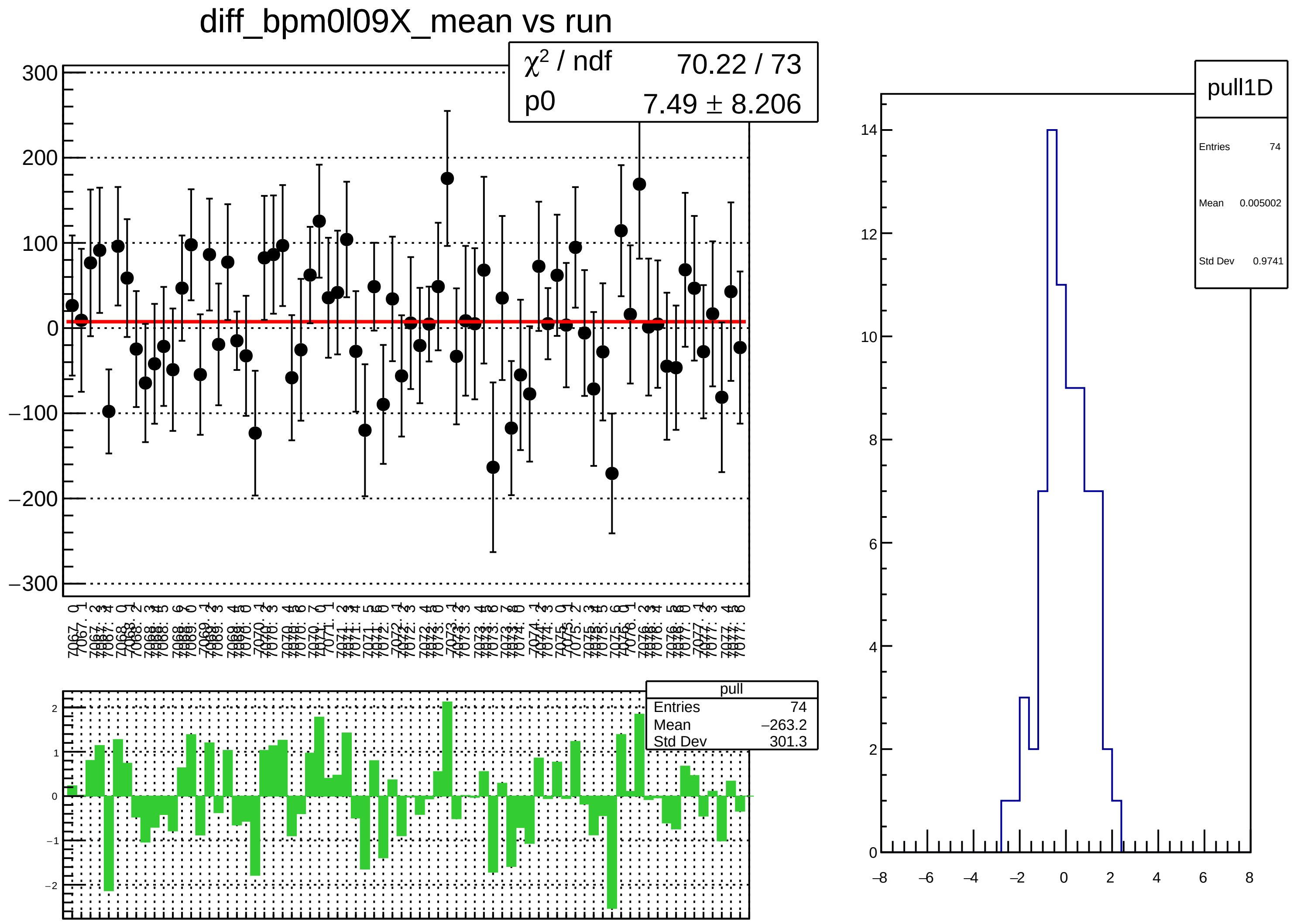


diff_bpm0l08X_mean vs run
χ^2 / ndf 70.9 / 73
p0 8.528 ± 8.771
pull
Entries 74
Mean −338.6
Std Dev 378.1
pull1D
Entries 74
Mean 0.003861
Std Dev 0.9788

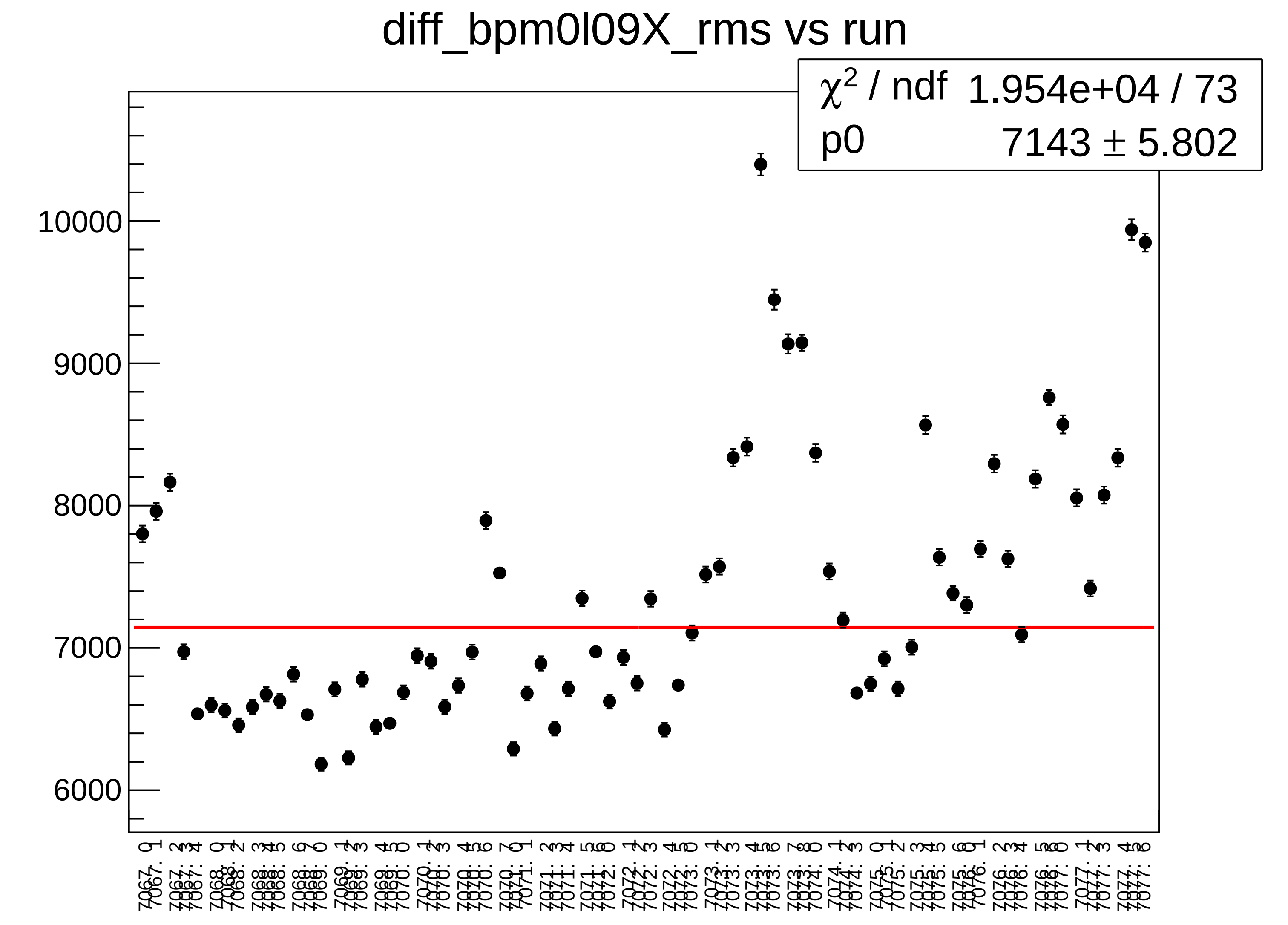

diff_bpm0l08X_rms vs run
χ^2 / ndf 1.961e+04 / 73
p0 7635 ± 6.202
11000
10000
9000
8000
7000

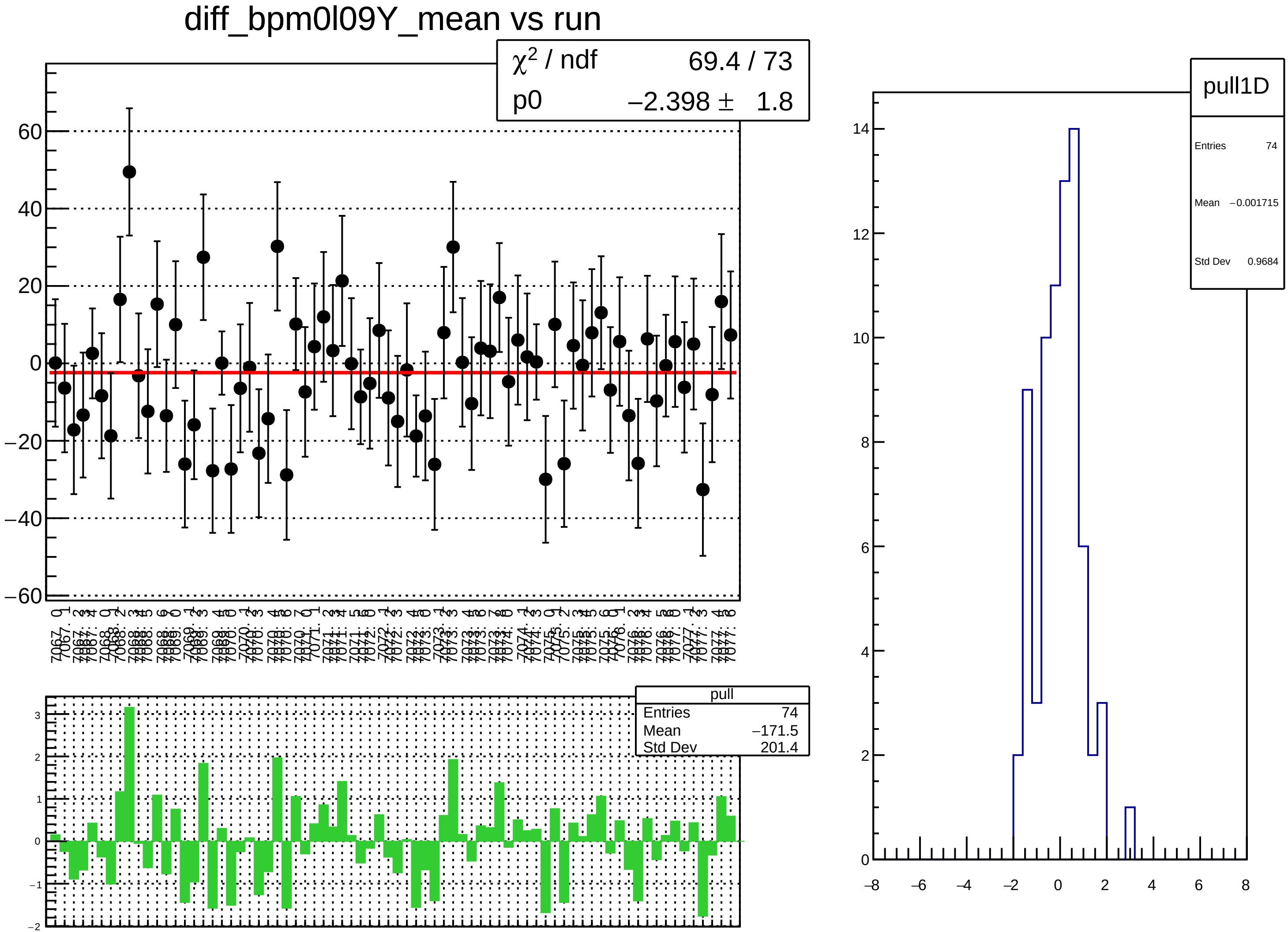

diff_bpm0l08Y_mean vs run
χ^2 / ndf 75.52 / 73
p0 −1.54 ± 1.785
pull
Entries 74
Mean 731.6
Std Dev 689.6
pull1D
Entries 74
Mean 0.003038
Std Dev 1.01


diff_bpm0l08Y_rms vs run
χ^2 / ndf 2072 / 73
p0 1563 ± 1.262
1800
1700
1600
1500
1400
1300

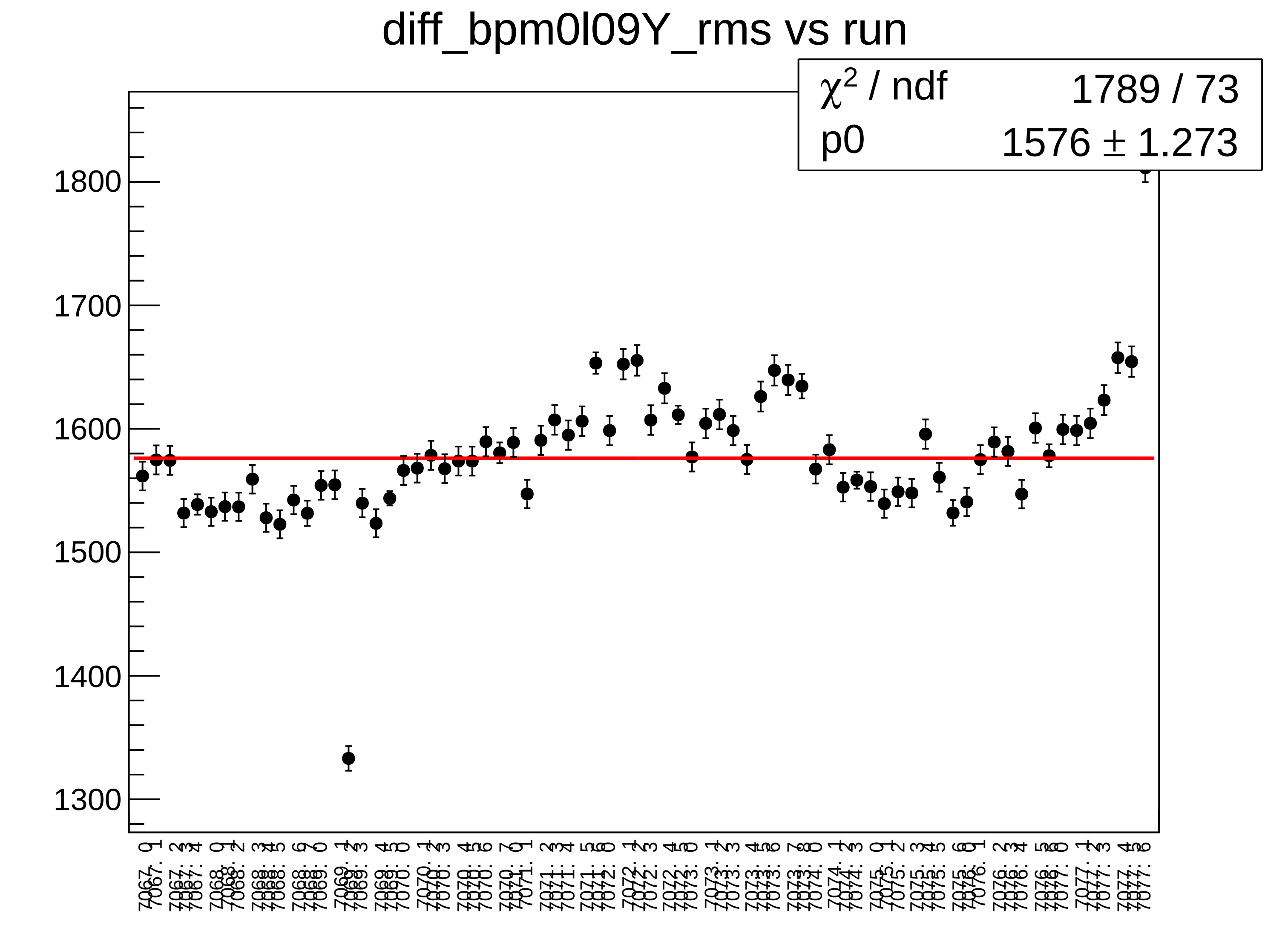


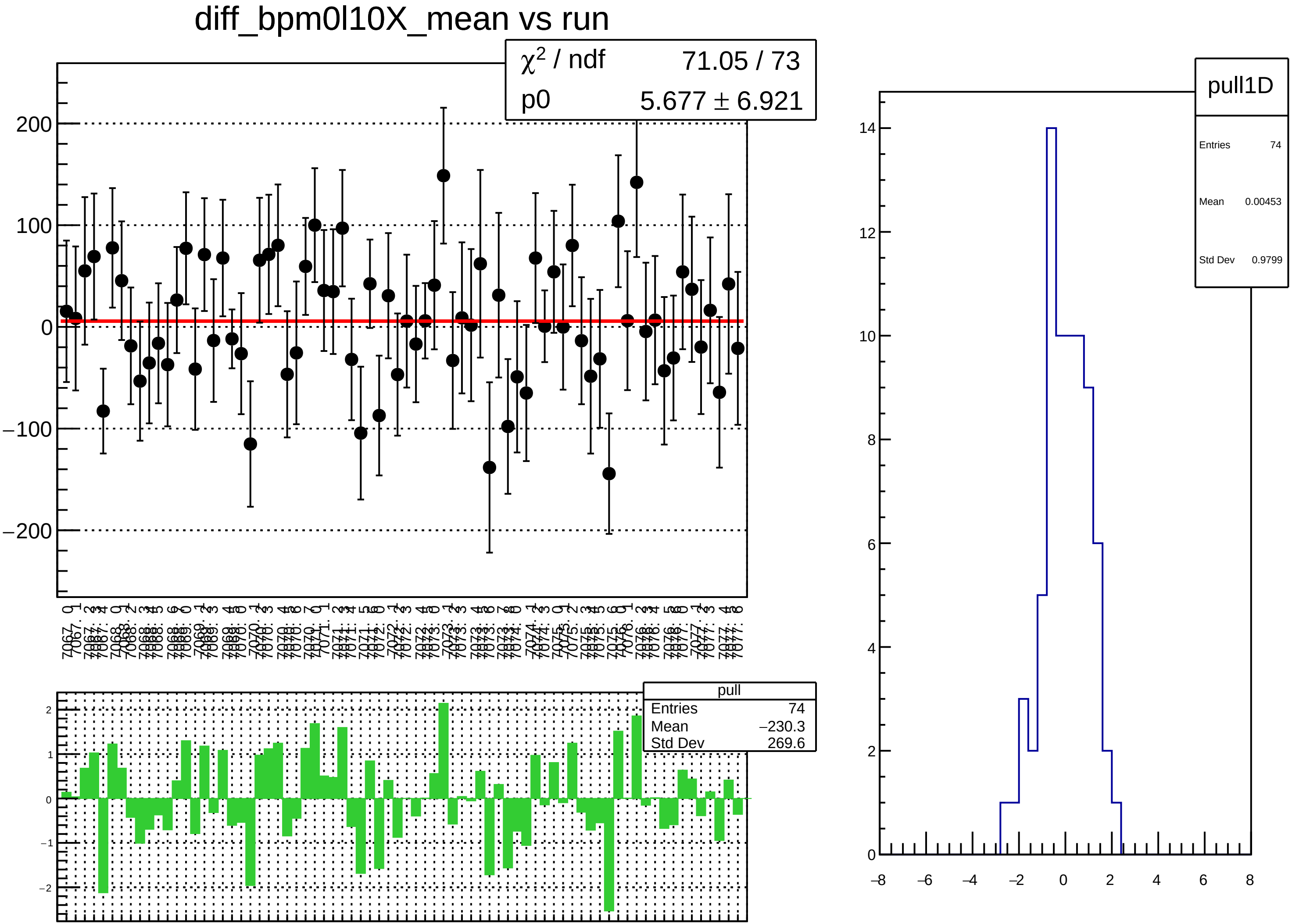
diff_bpm0l09X_mean vs run
χ^2 / ndf 70.22 / 73
p0 7.49 ± 8.206
pull
Entries 74
Mean −263.2
Std Dev 301.3
pull1D
Entries 74
Mean 0.005002
Std Dev 0.9741


diff_bpm0l09X_rms vs run
χ^2 / ndf 1.954e+04 / 73
p0 7143 ± 5.802
10000
9000
8000
7000
6000

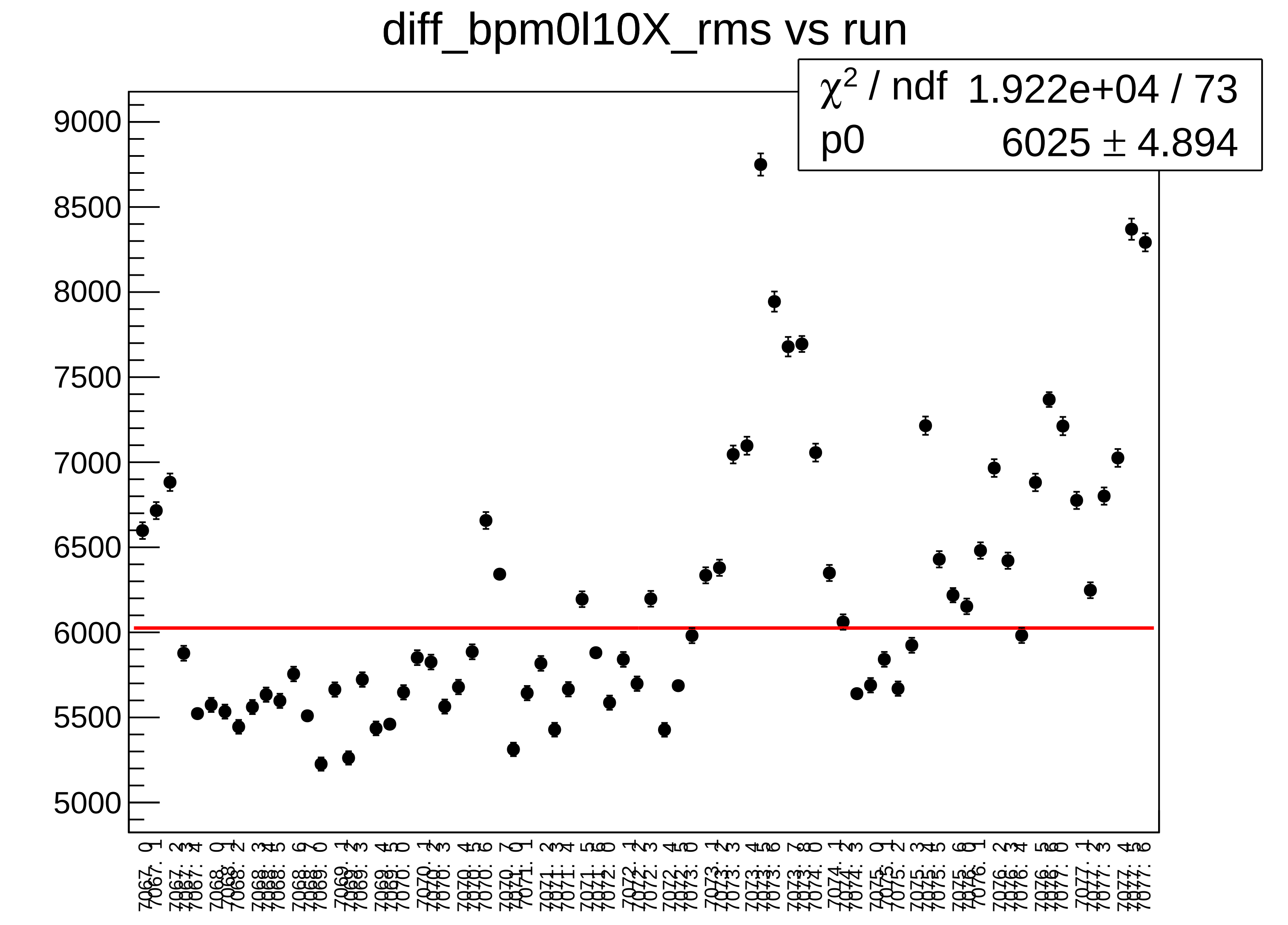


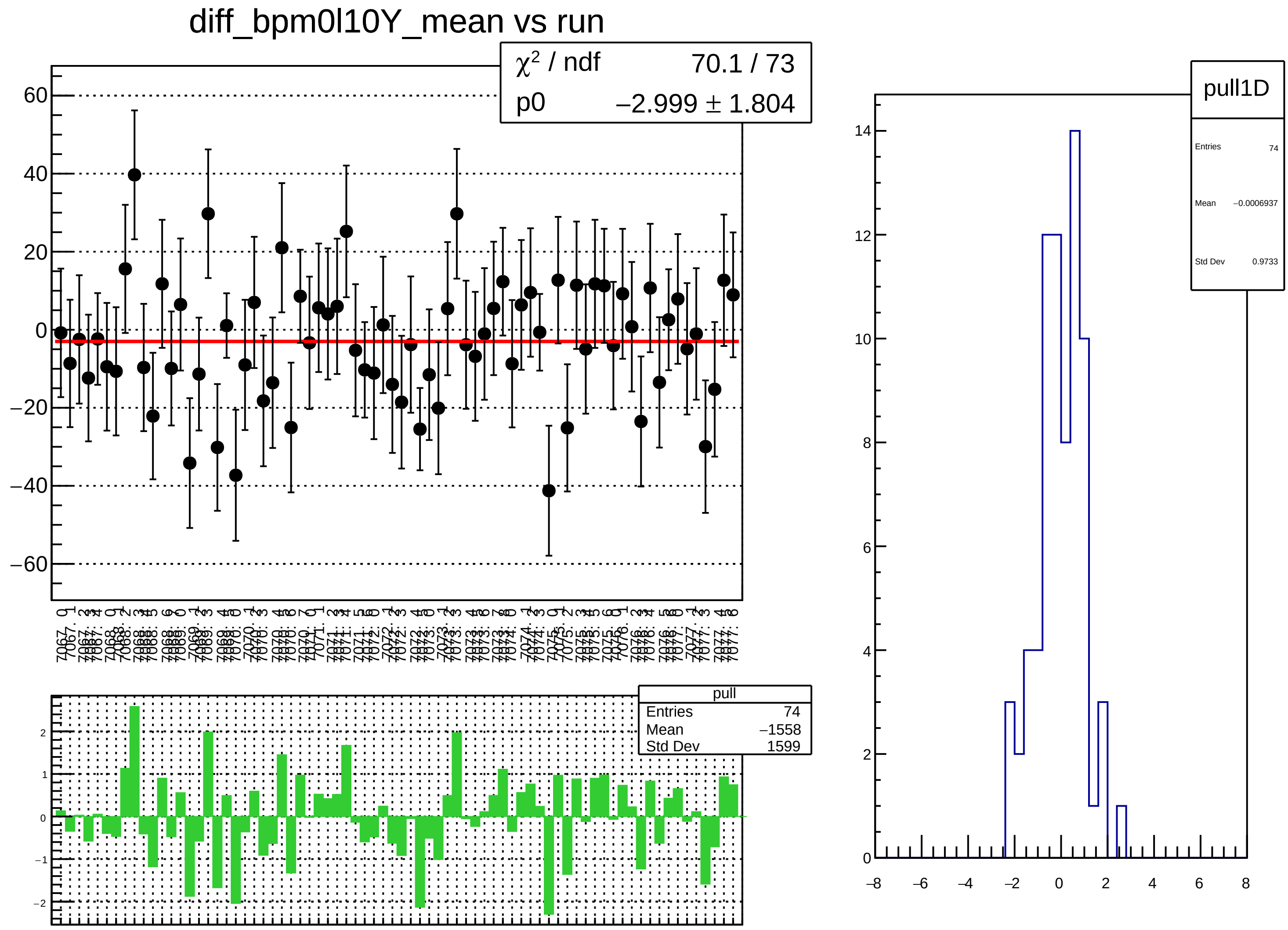
diff_bpm0l09Y_mean vs run
χ^2 / ndf 69.4 / 73
p0 −2.398 ± 1.8
pull
Entries 74
Mean −171.5
Std Dev 201.4
pull1D
Entries 74
Mean −0.001715
Std Dev 0.9684


diff_bpm0l09Y_rms vs run
χ^2 / ndf 1789 / 73
p0 1576 ± 1.273
1800
1700
1600
1500
1400
1300

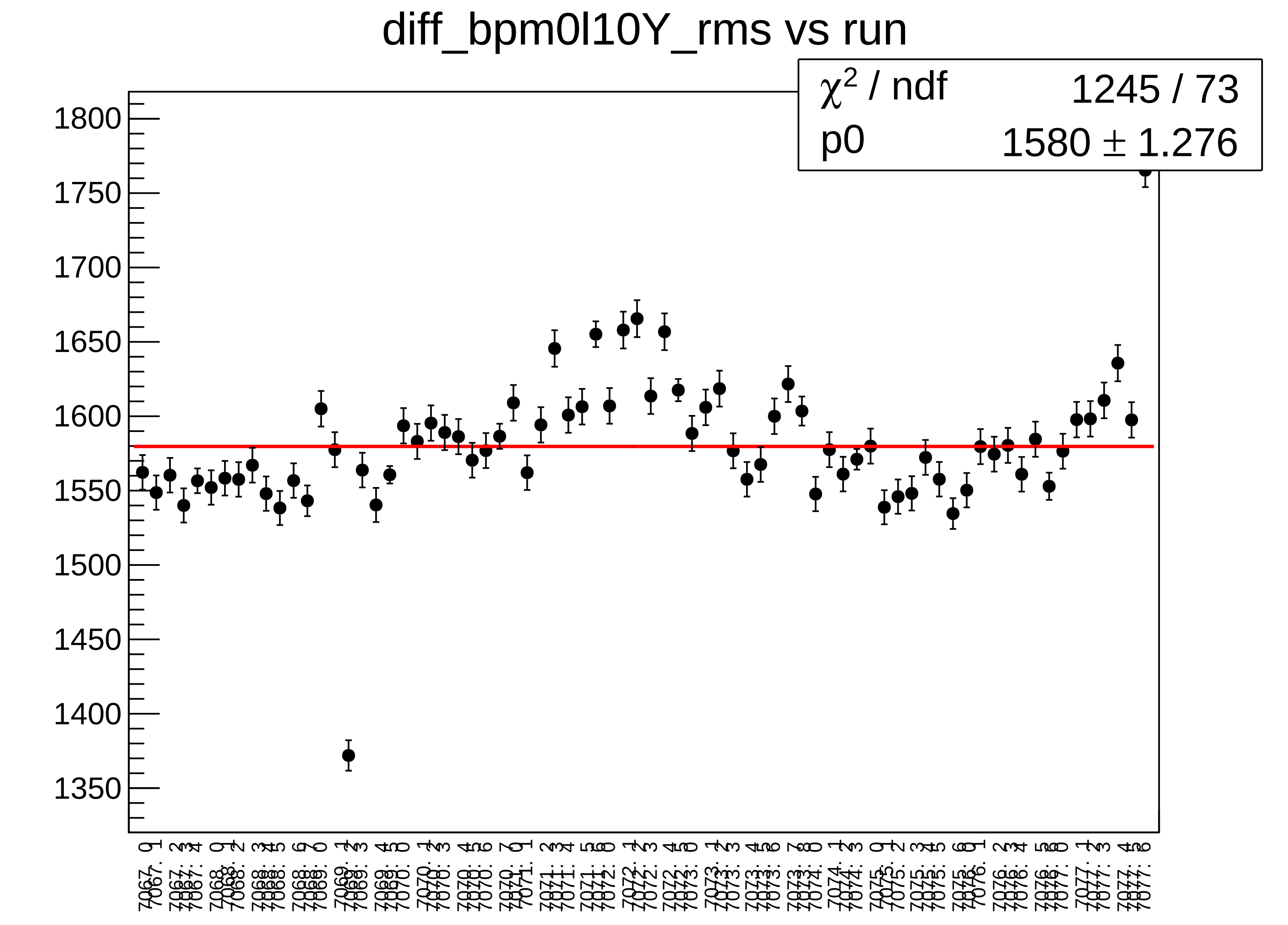


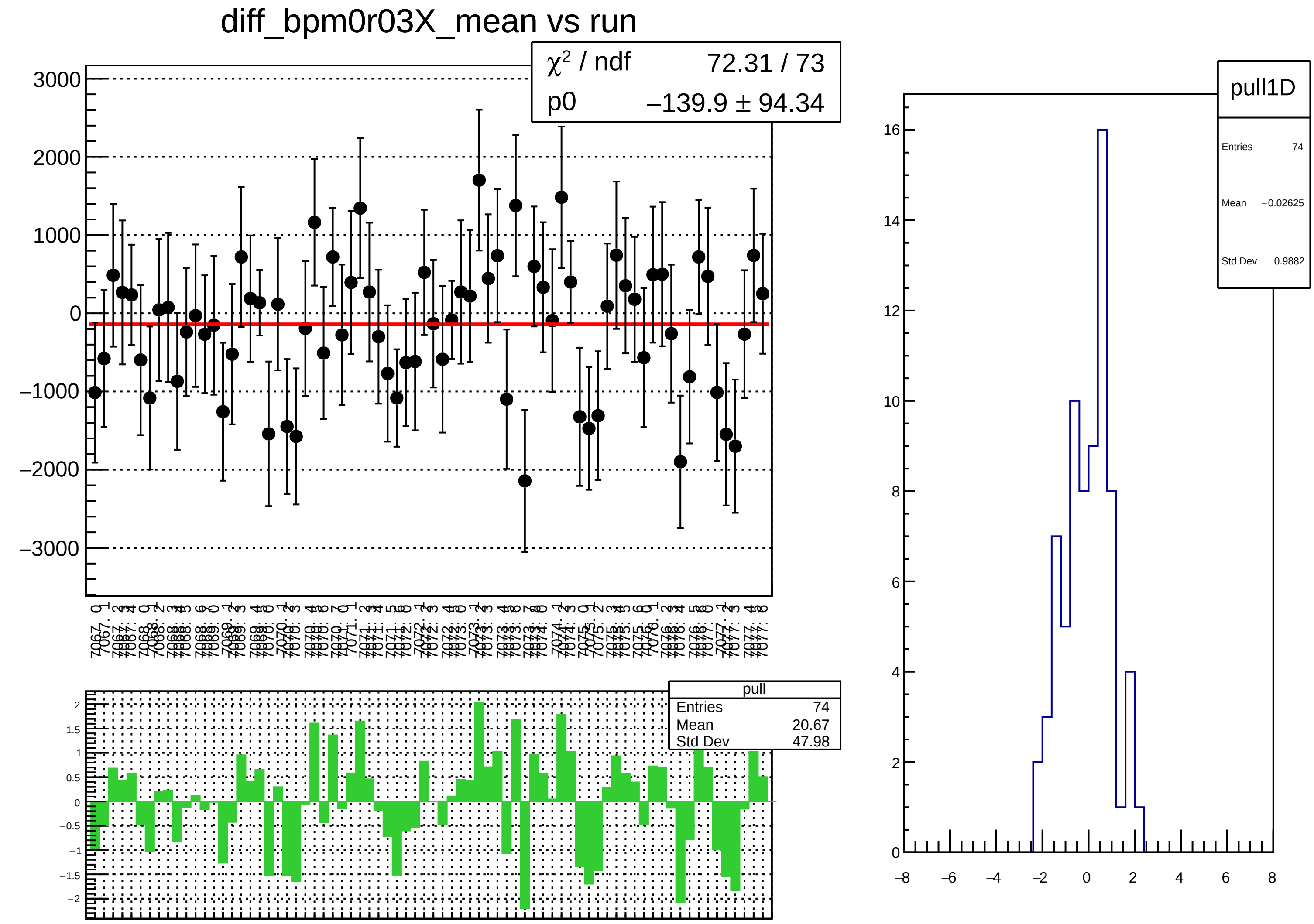
diff_bpm0l10X_mean vs run
χ^2 / ndf 71.05 / 73
p0 5.677 ± 6.921
pull
Entries 74
Mean −230.3
Std Dev 269.6
pull1D
Entries 74
Mean 0.00453
Std Dev 0.9799


diff_bpm0l10X_rms vs run
χ2 / ndf 1.922e+04 / 73
p0 6025 ± 4.894
9000
8500
8000
7500
7000
6500
6000
5500
5000

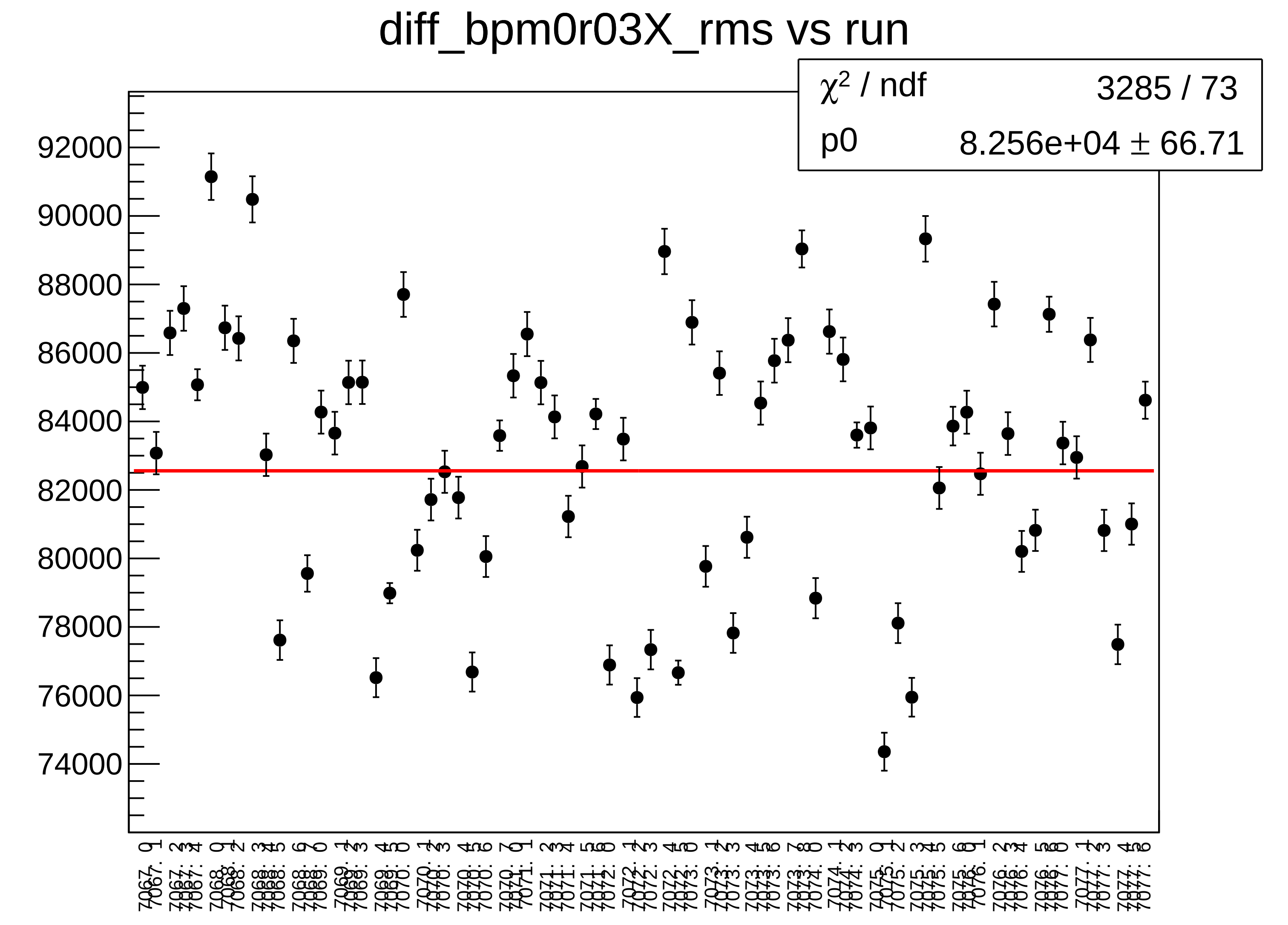


diff_bpm0l10Y_mean vs run
χ2 / ndf 70.1 / 73
p0 −2.999 ± 1.804
pull
Entries 74
Mean −1558
Std Dev 1599
pull1D
Entries 74
Mean −0.0006937
Std Dev 0.9733

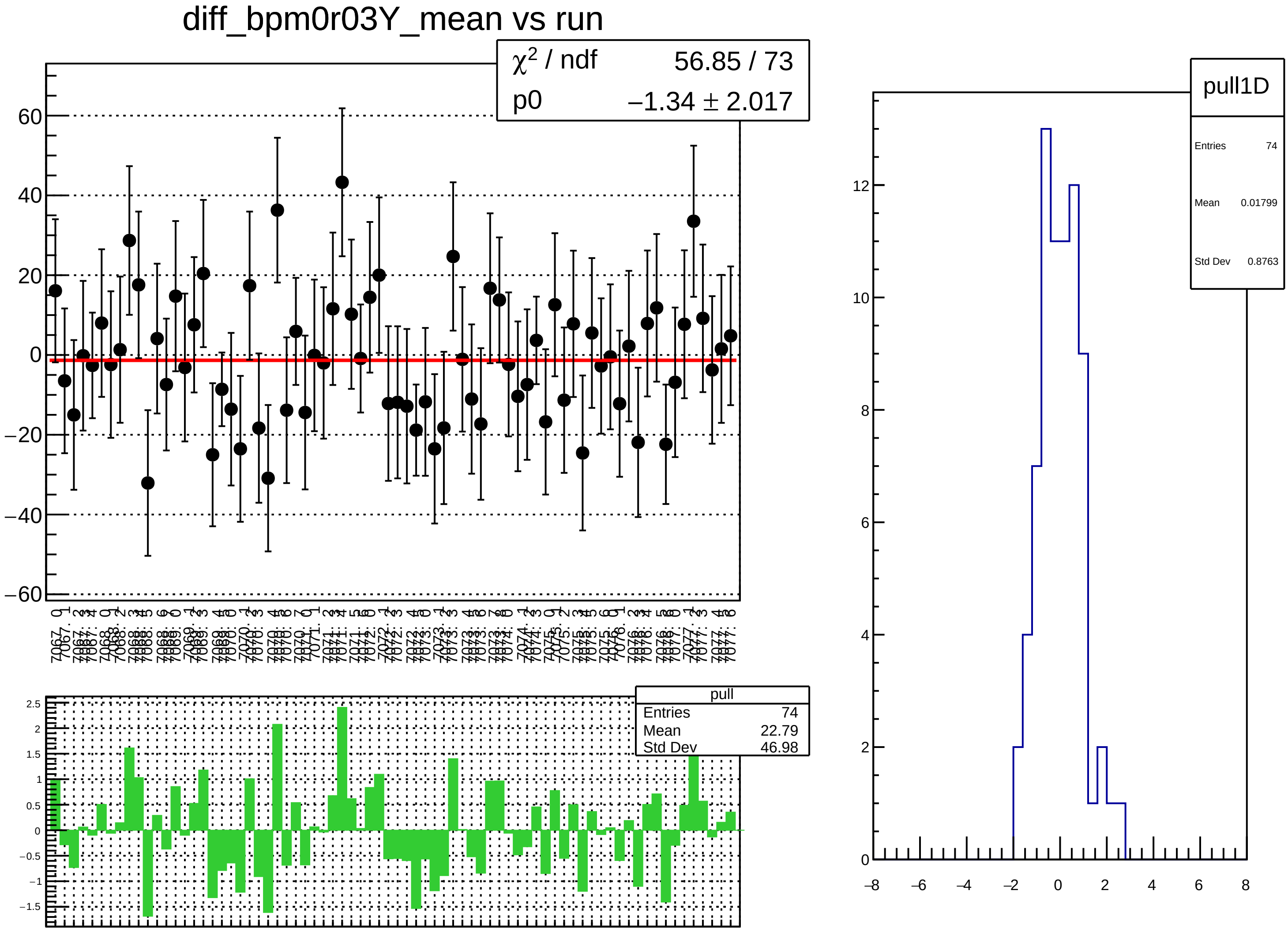

diff_bpm0l10Y_rms vs run
χ2 / ndf 1245 / 73
p0 1580 ± 1.276
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350



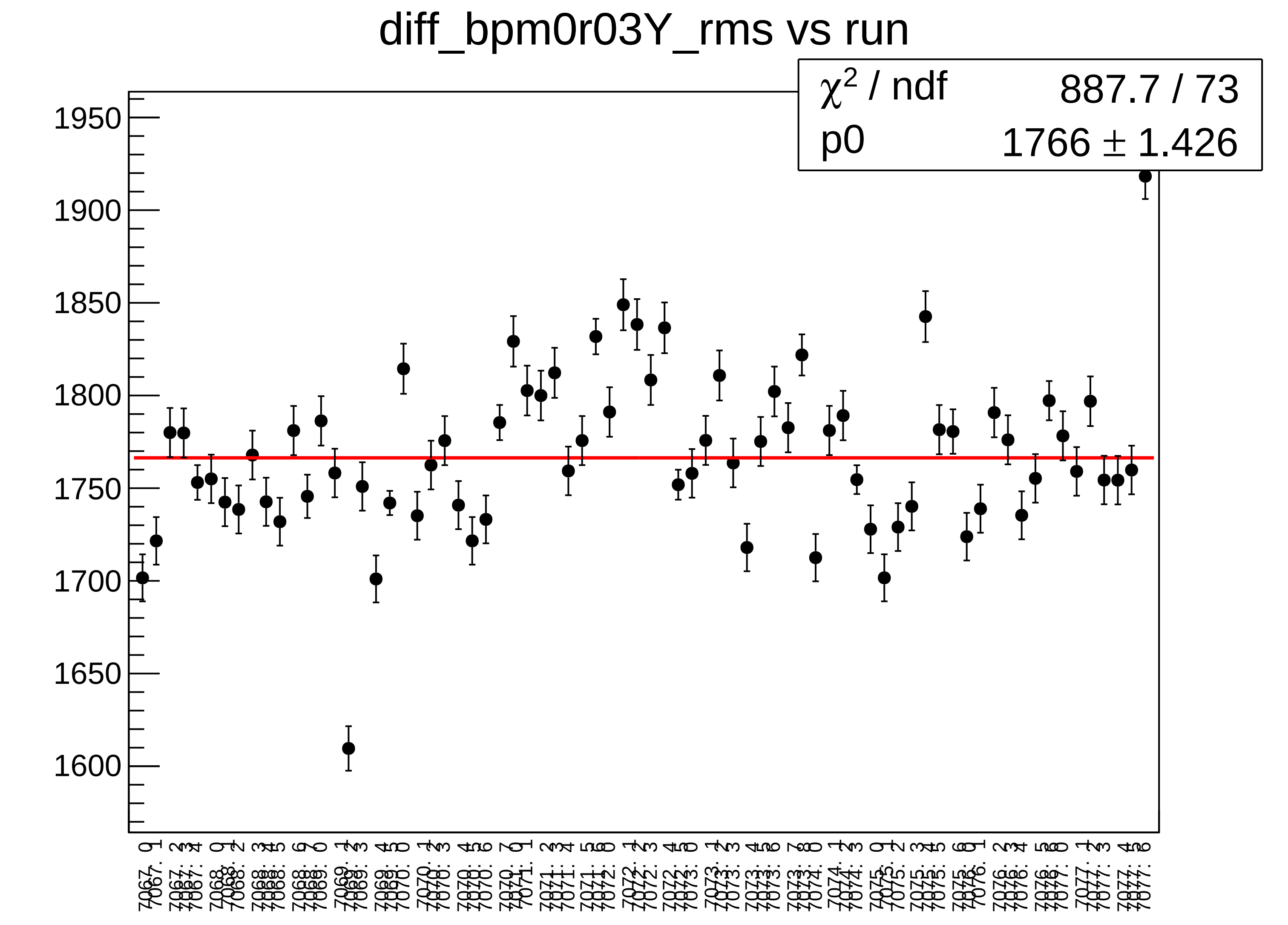
diff_bpm0r03X_mean vs run
χ^2 / ndf 72.31 / 73
p0 −139.9 ± 94.34
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 74
Mean 20.67
Std Dev 47.98
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.02625
Std Dev 0.9882
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



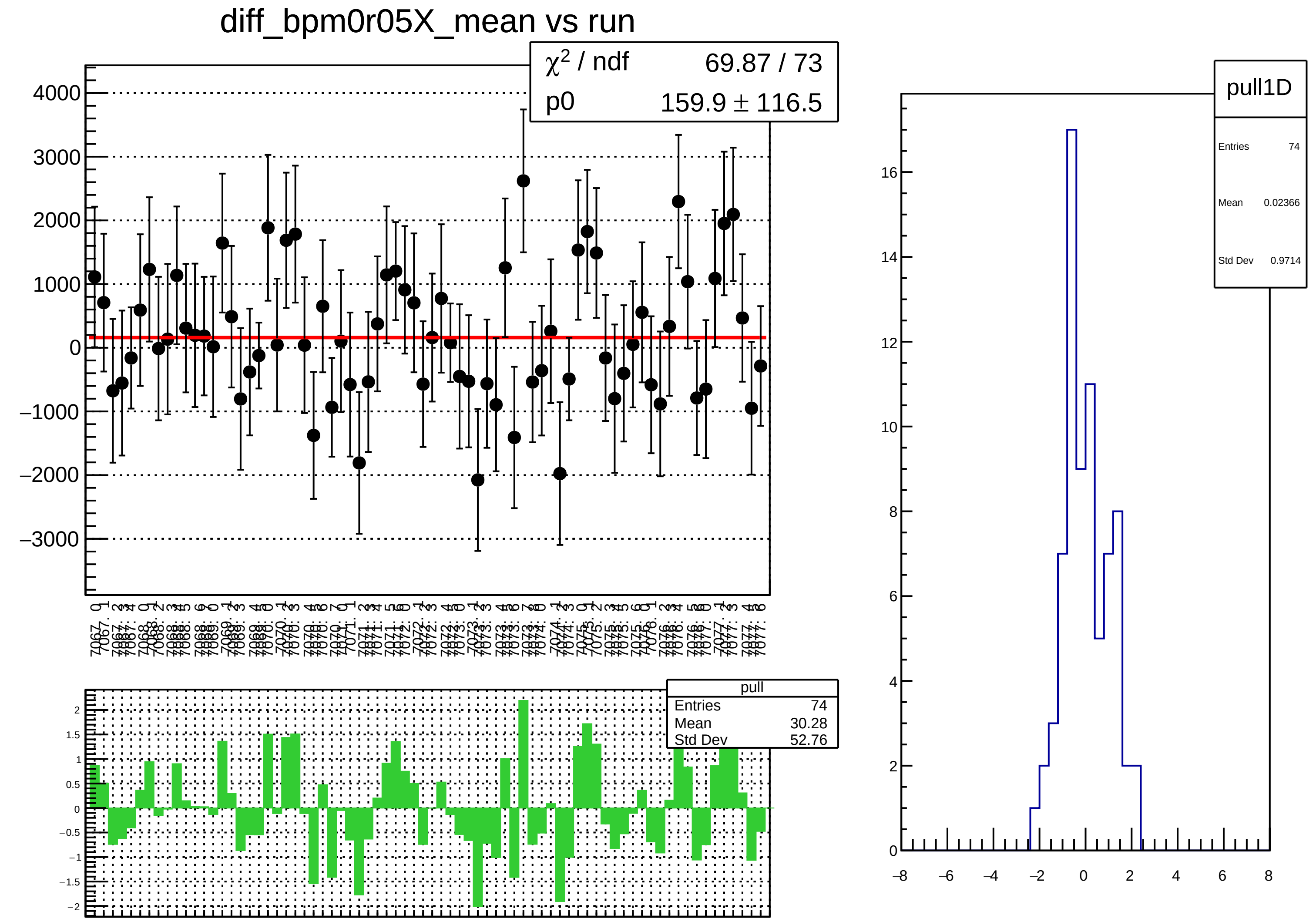
diff_bpm0r03X_rms vs run
χ^2 / ndf 3285 / 73
p0 8.256e+04 ± 66.71
92000
90000
88000
86000
84000
82000
80000
78000
76000
74000



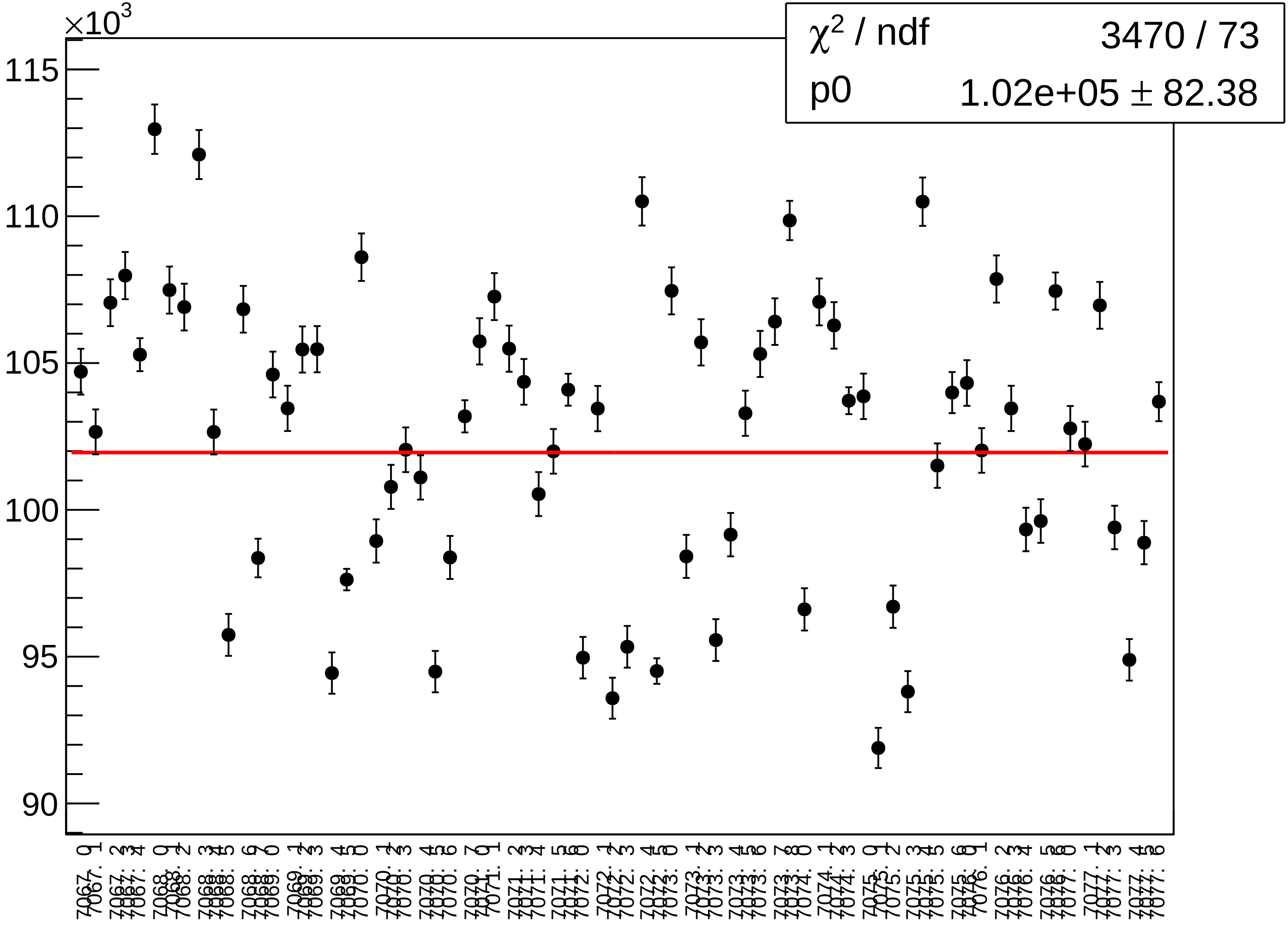
diff_bpm0r03Y_mean vs run
χ^2 / ndf 56.85 / 73
p0 −1.34 ± 2.017
pull
Entries 74
Mean 22.79
Std Dev 46.98
pull1D
Entries 74
Mean 0.01799
Std Dev 0.8763

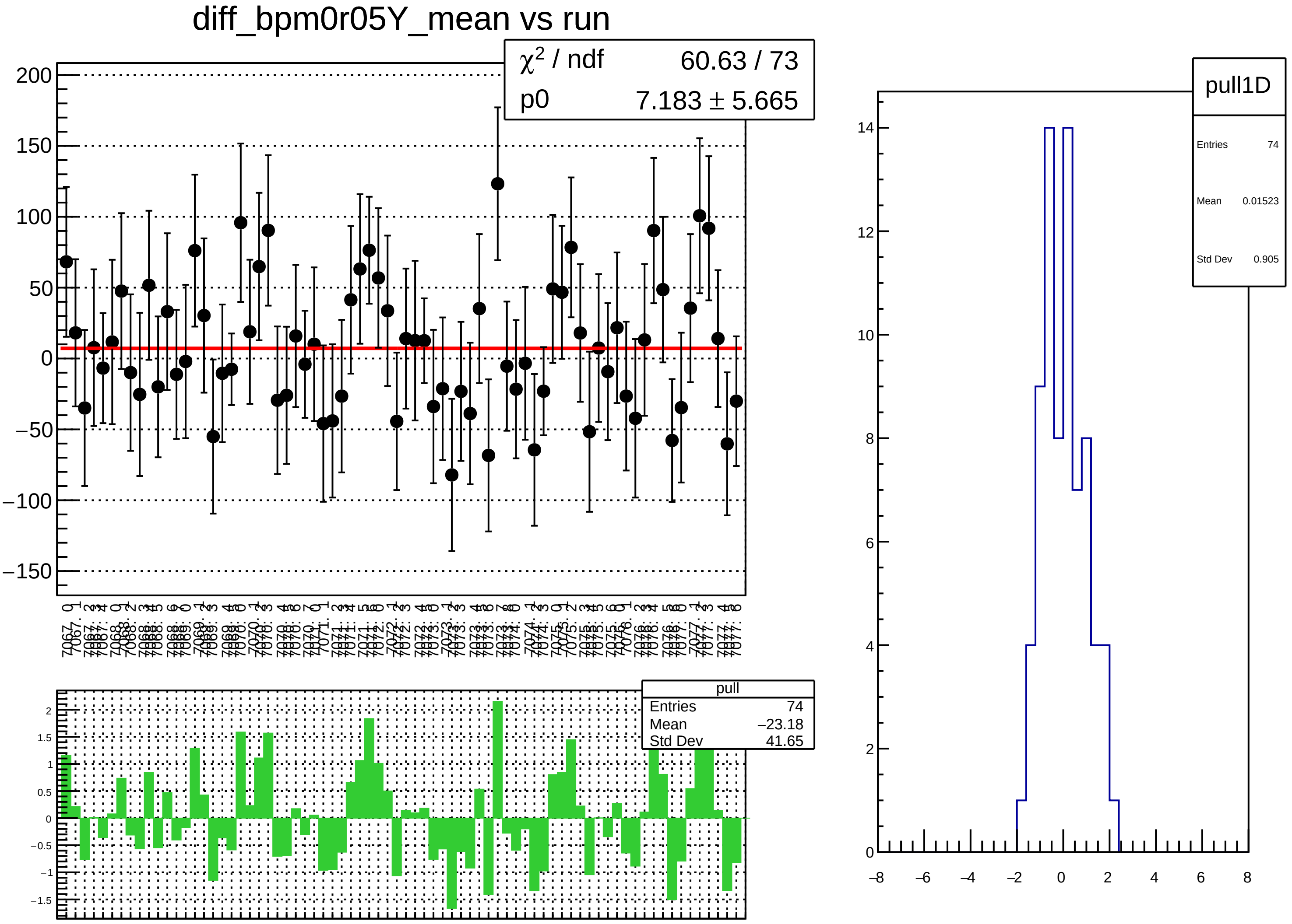


diff_bpm0r03Y_rms vs run
χ² / ndf 887.7 / 73
p0 1766 ± 1.426
1950
1900
1850
1800
1750
1700
1650
1600

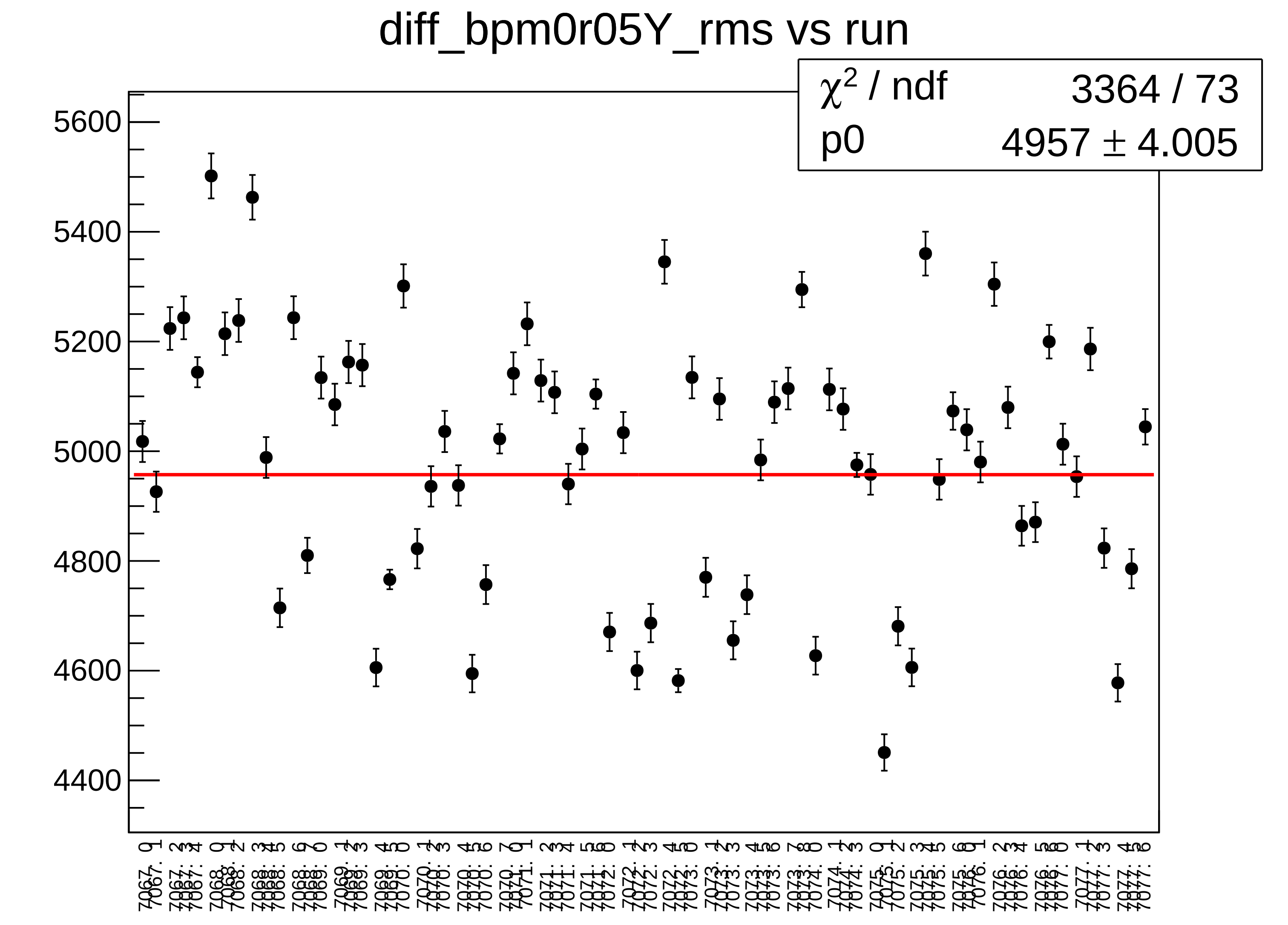

diff_bpm0r05X_mean vs run
χ^2 / ndf 69.87 / 73
p0 159.9 ± 116.5
pull
Entries 74
Mean 30.28
Std Dev 52.76
pull1D
Entries 74
Mean 0.02366
Std Dev 0.9714

diff_bpm0r05X_rms vs run

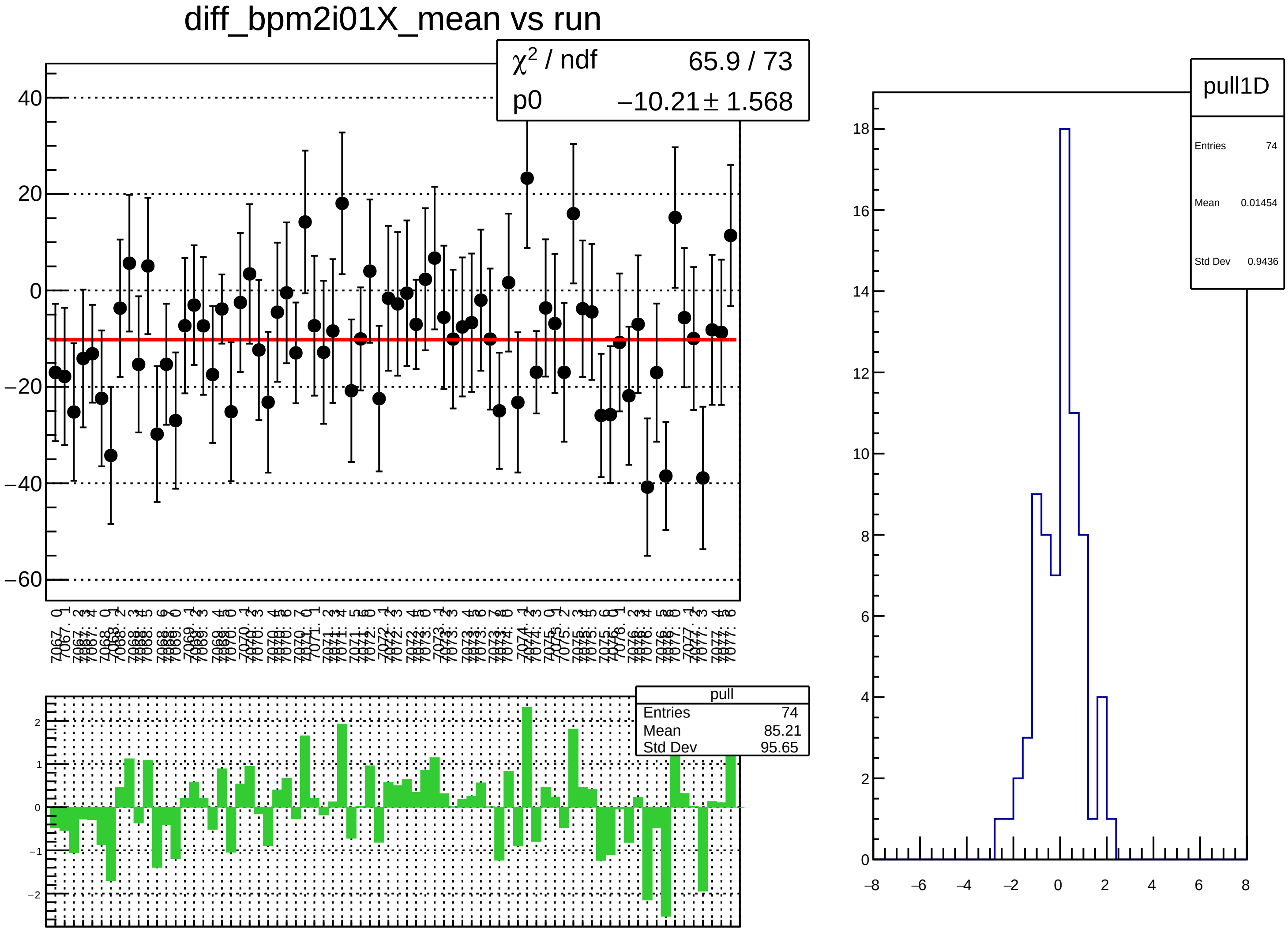


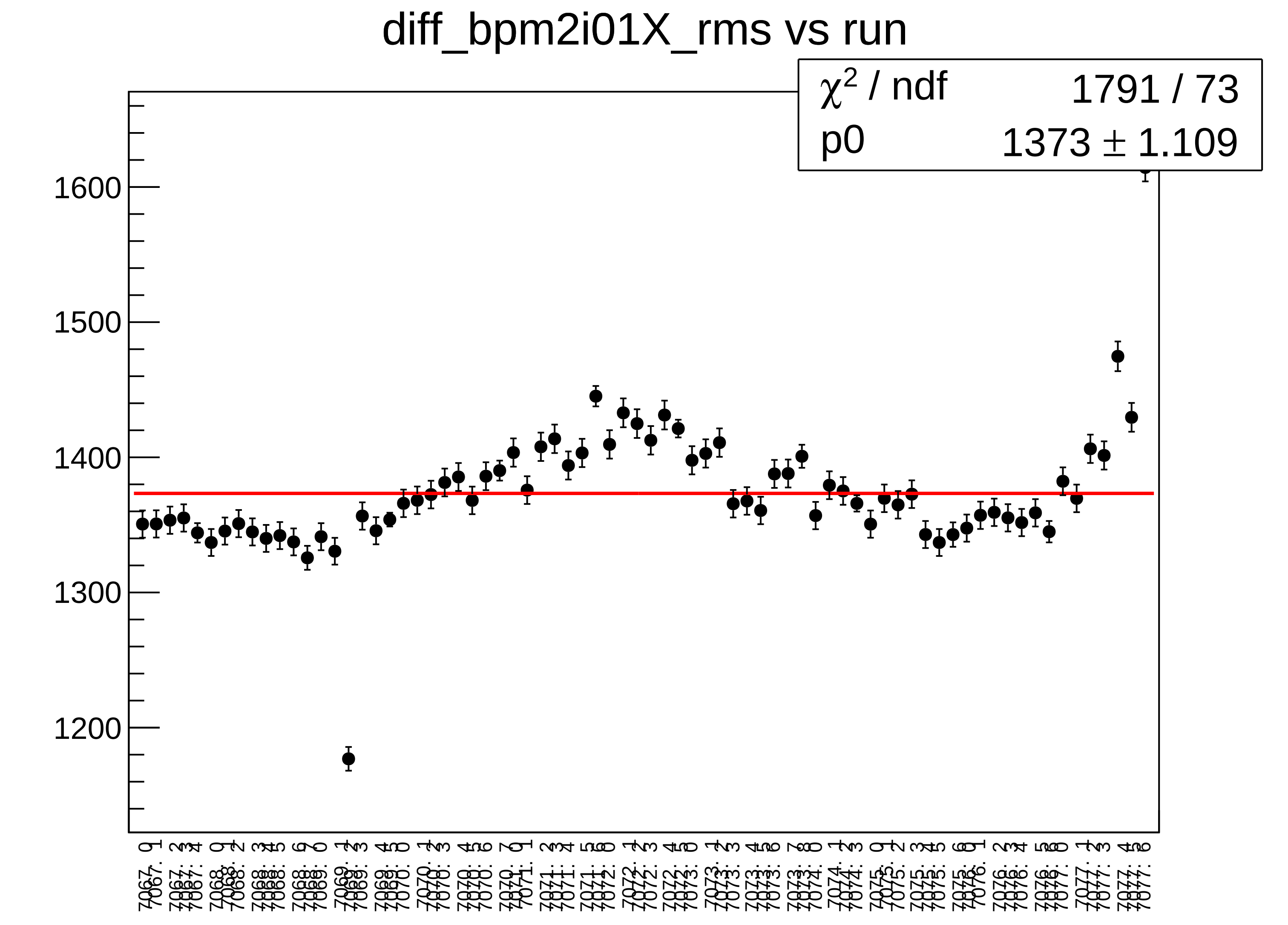


diff_bpm0r05Y_mean vs run
χ2 / ndf 60.63 / 73
p0 7.183 ± 5.665
pull
Entries 74
Mean −23.18
Std Dev 41.65
pull1D
Entries 74
Mean 0.01523
Std Dev 0.905

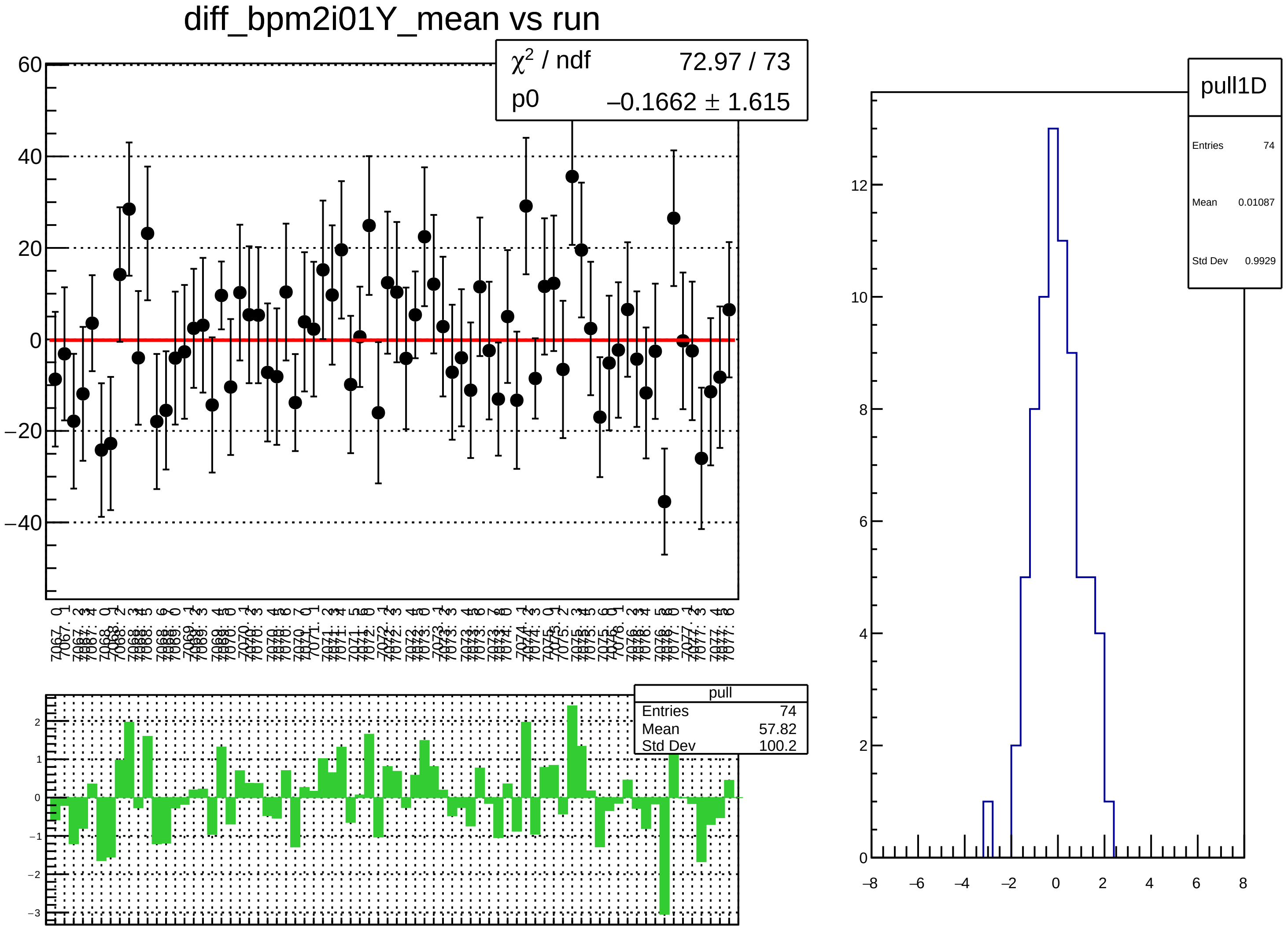


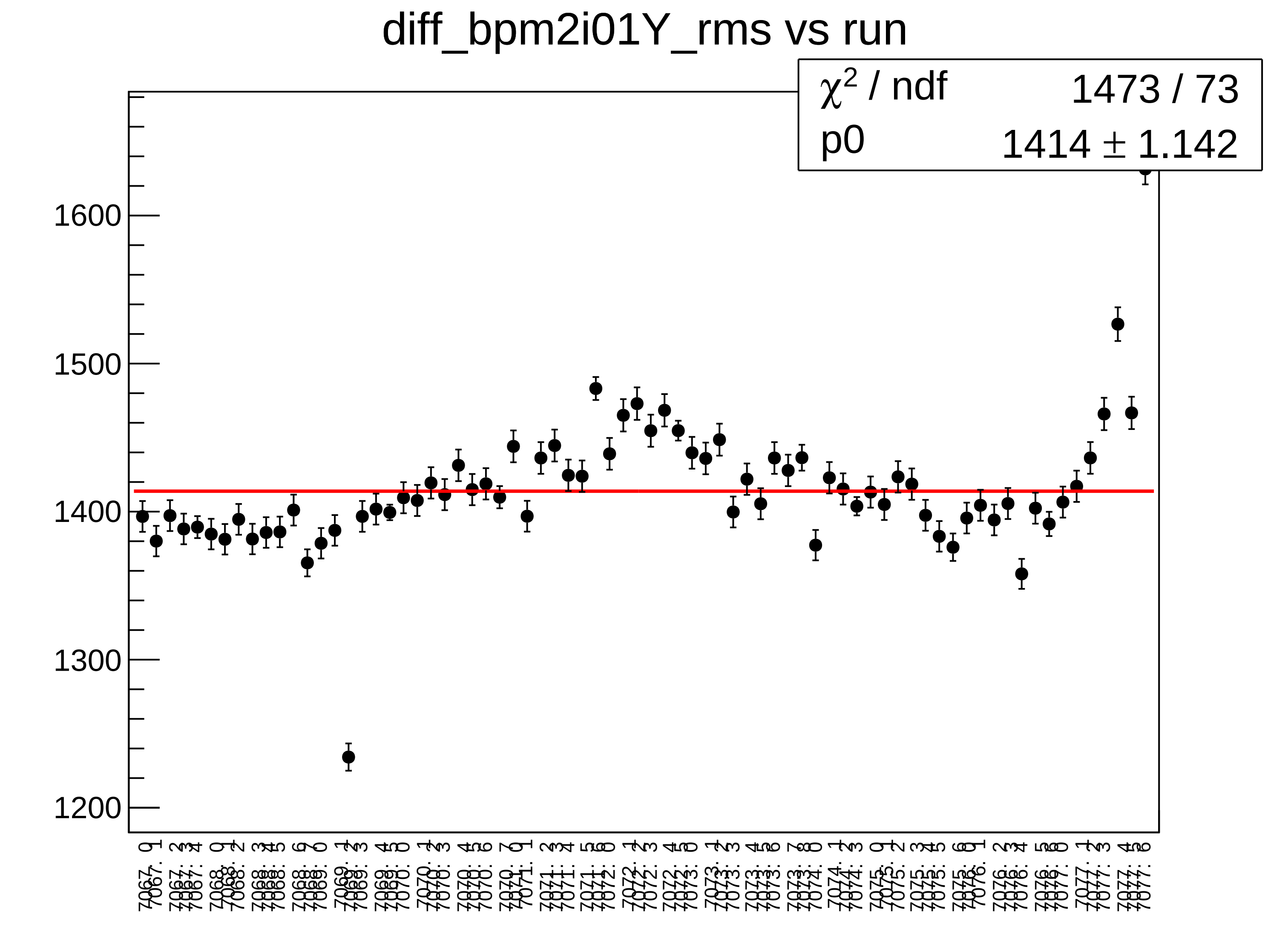
diff_bpm0r05Y_rms vs run
χ2 / ndf 3364 / 73
p0 4957 ± 4.005
5600
5400
5200
5000
4800
4600
4400

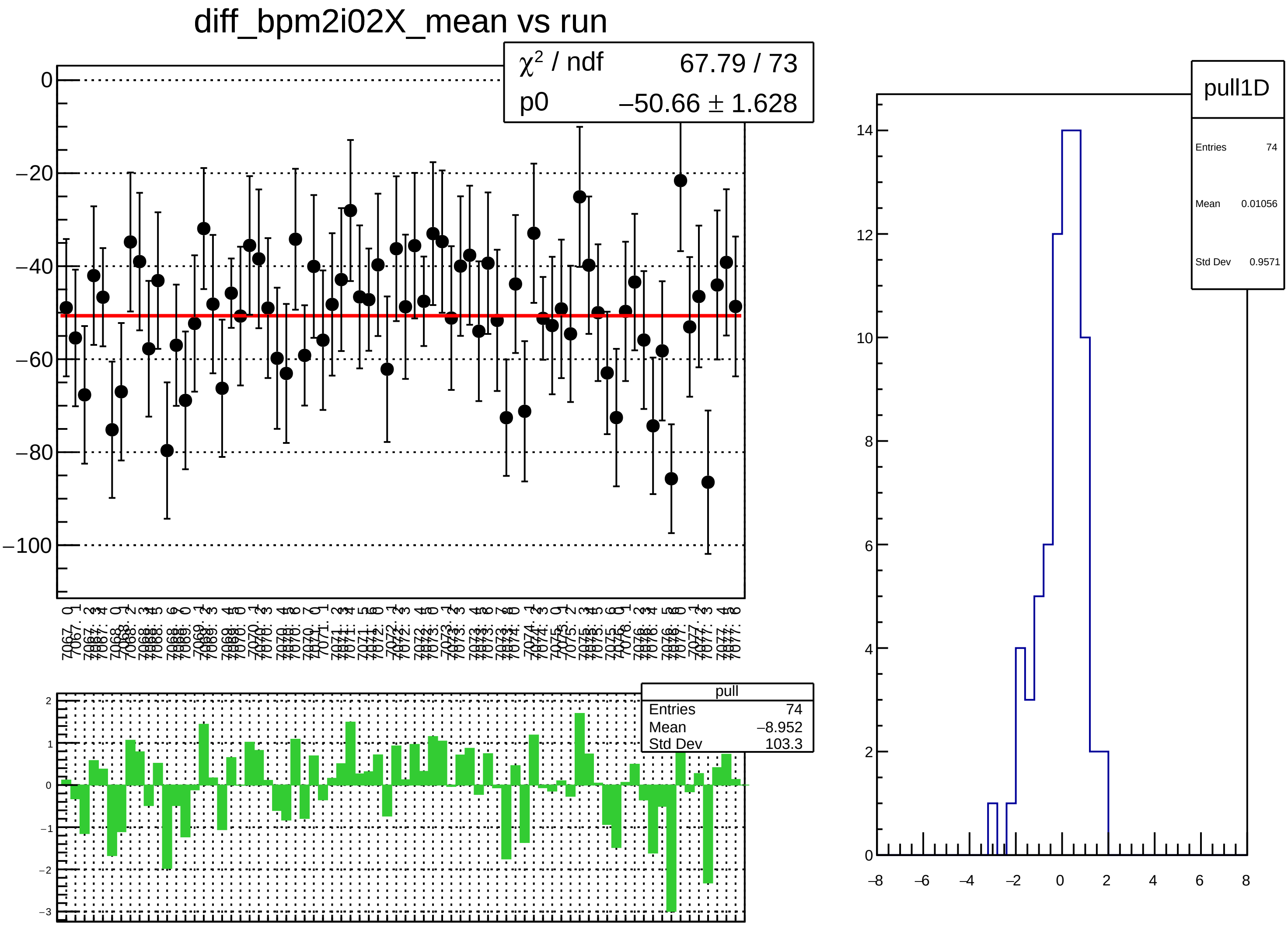

diff_bpm2i01X_mean vs run
χ^2 / ndf 65.9 / 73
p0 −10.21 ± 1.568
pull
Entries 74
Mean 85.21
Std Dev 95.65
pull1D
Entries 74
Mean 0.01454
Std Dev 0.9436

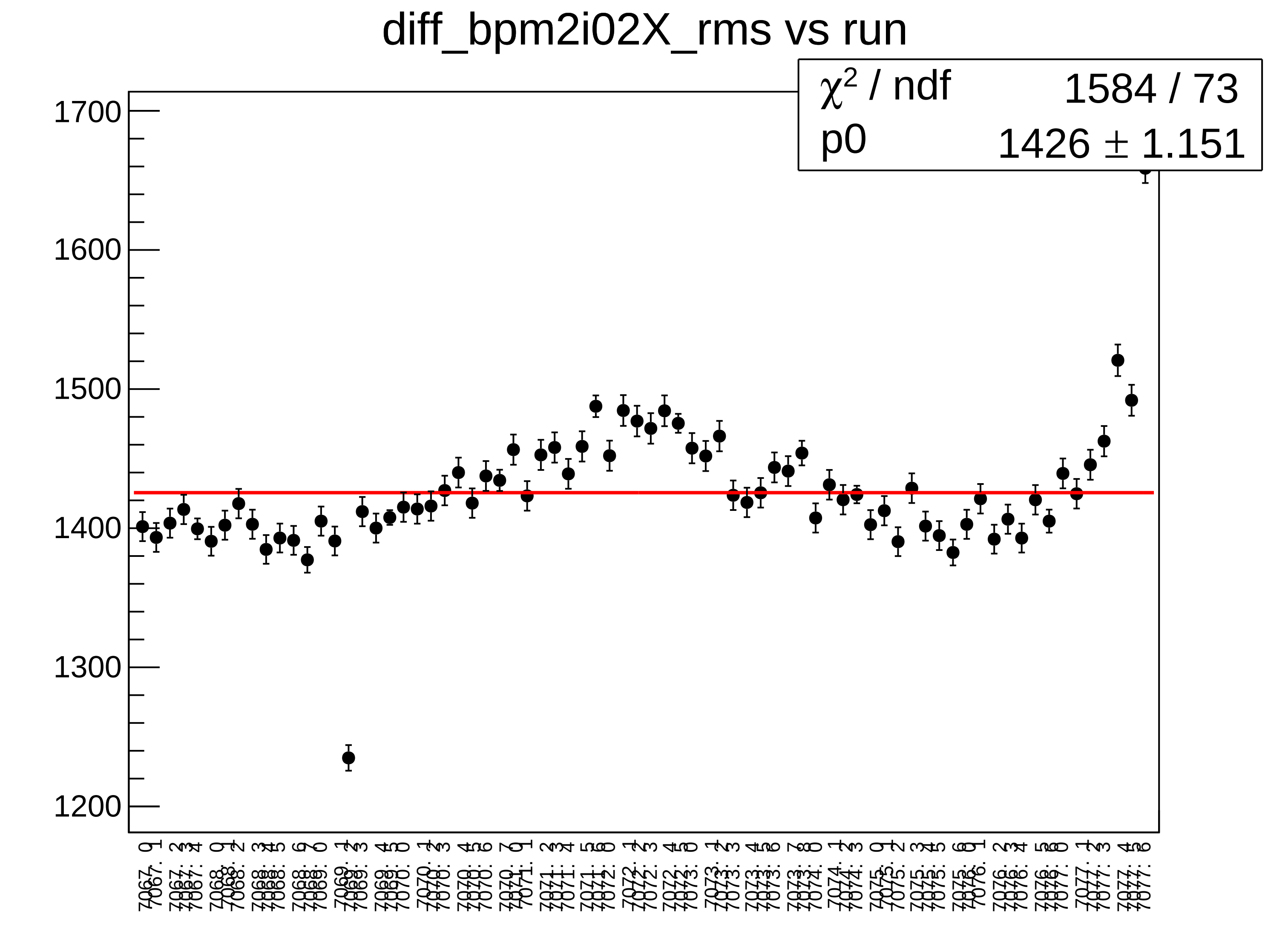


diff_bpm2i01X_rms vs run
χ2 / ndf 1791 / 73
p0 1373 ± 1.109
1600
1500
1400
1300
1200

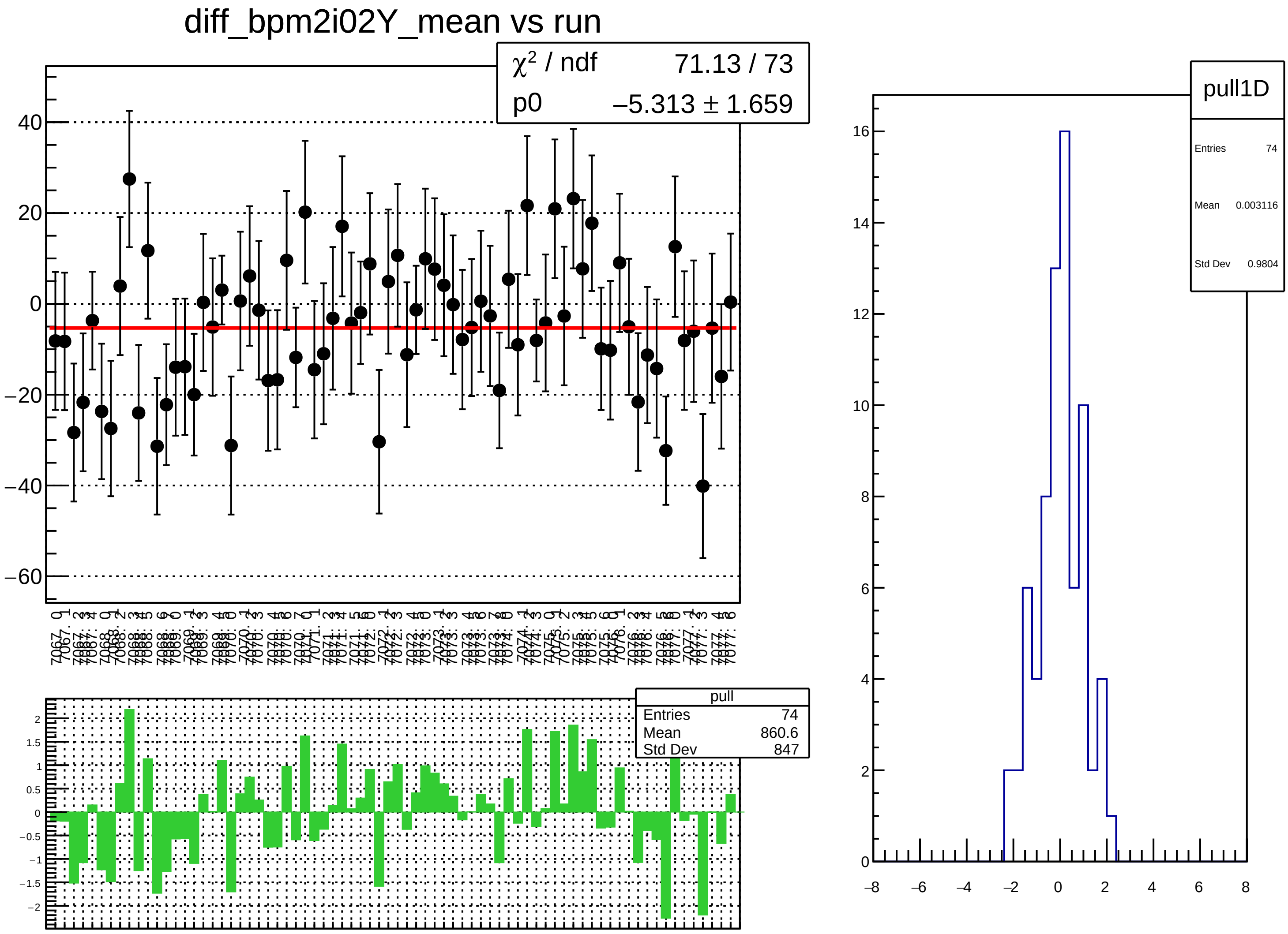

diff_bpm2i01Y_mean vs run
χ^2 / ndf 72.97 / 73
p0 −0.1662 ± 1.615
pull
Entries 74
Mean 57.82
Std Dev 100.2
pull1D
Entries 74
Mean 0.01087
Std Dev 0.9929


diff_bpm2i01Y_rms vs run
χ2 / ndf 1473 / 73
p0 1414 ± 1.142
1600
1500
1400
1300
1200

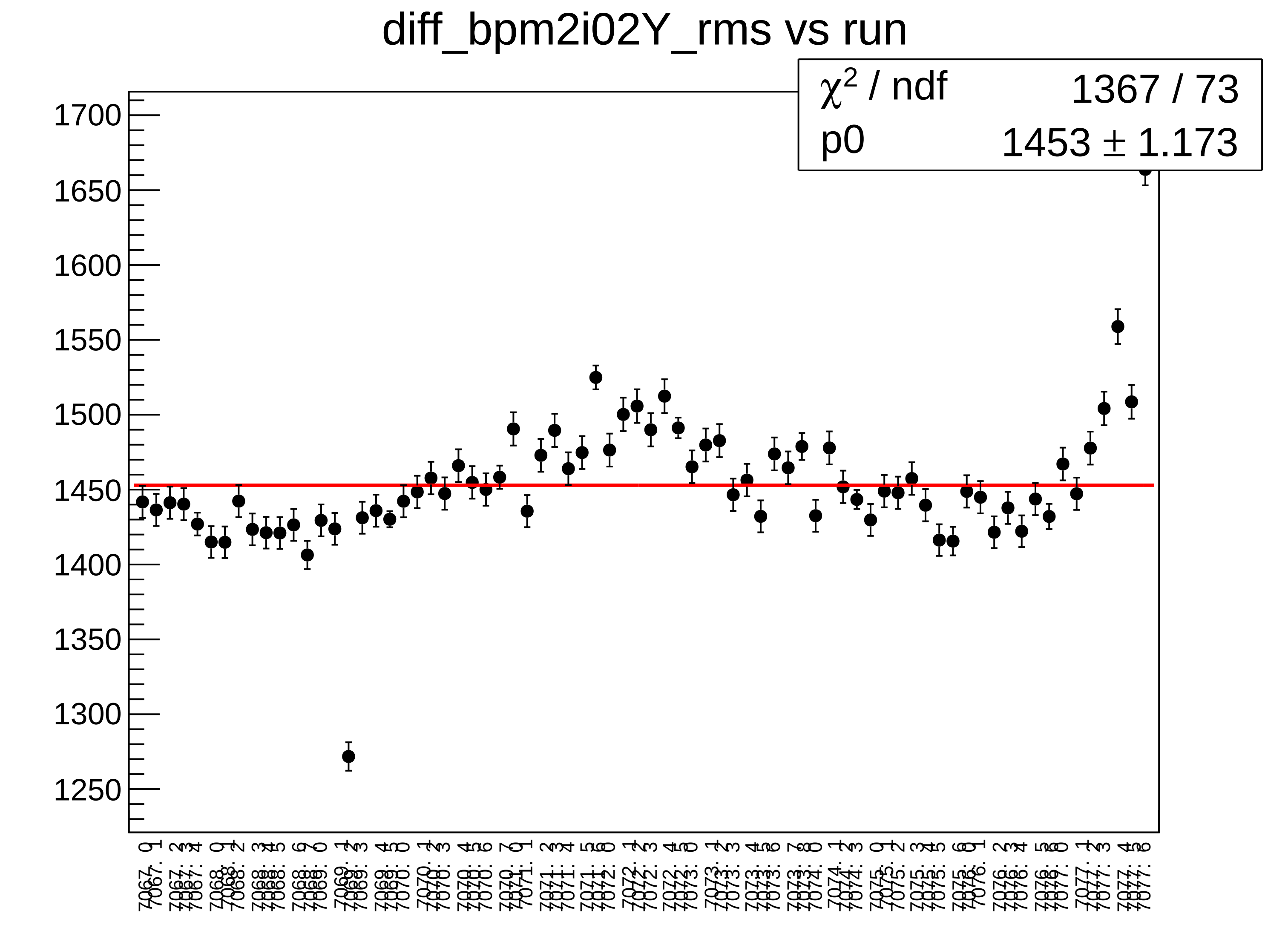

diff_bpm2i02X_mean vs run
χ2 / ndf 67.79 / 73
p0 −50.66 ± 1.628
0
−20
−40
−60
−80
−100
pull
Entries 74
Mean −8.952
Std Dev 103.3
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean 0.01056
Std Dev 0.9571
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

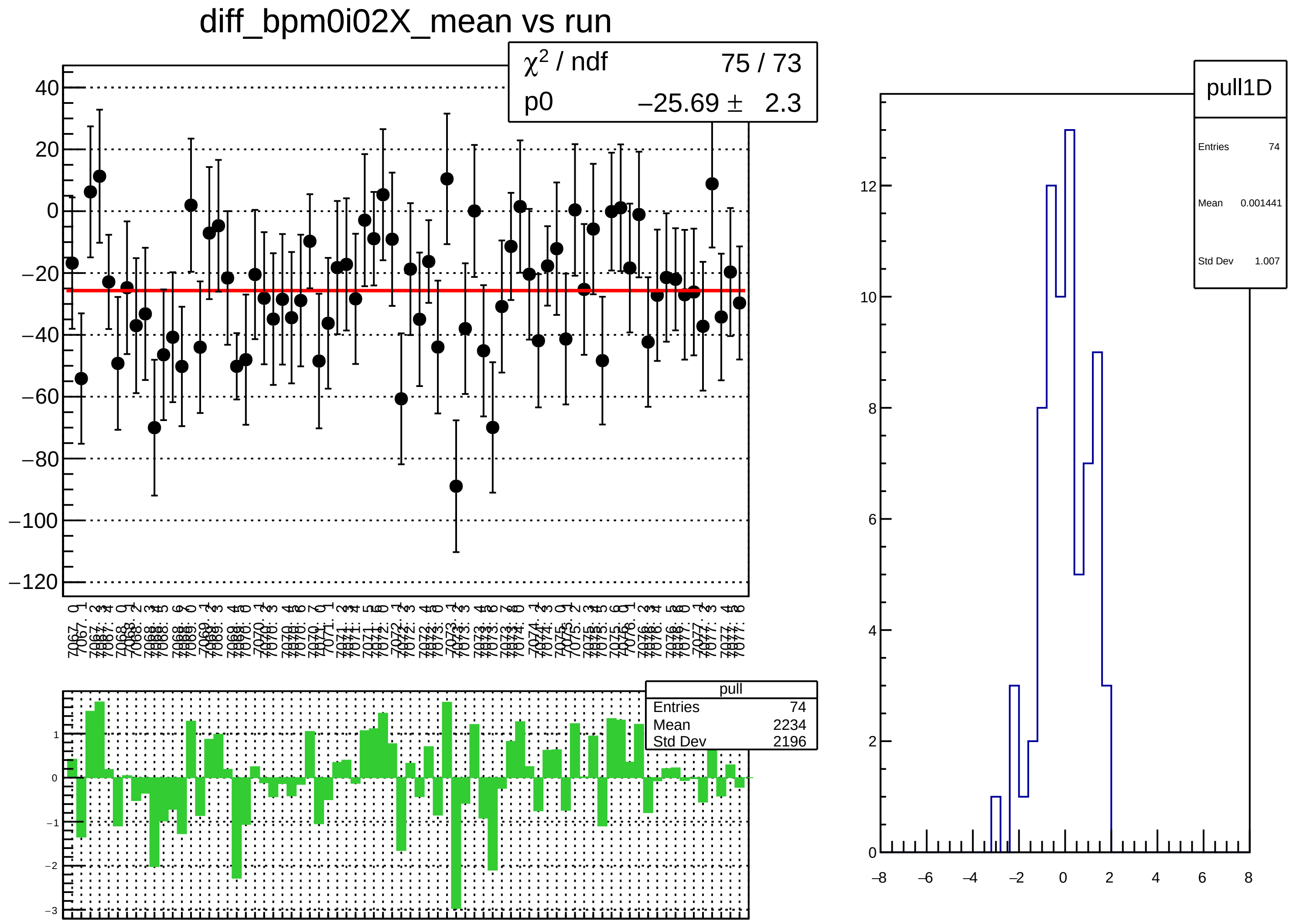


diff_bpm2i02X_rms vs run
χ^2 / ndf 1584 / 73
p0 1426 ± 1.151
1700
1600
1500
1400
1300
1200

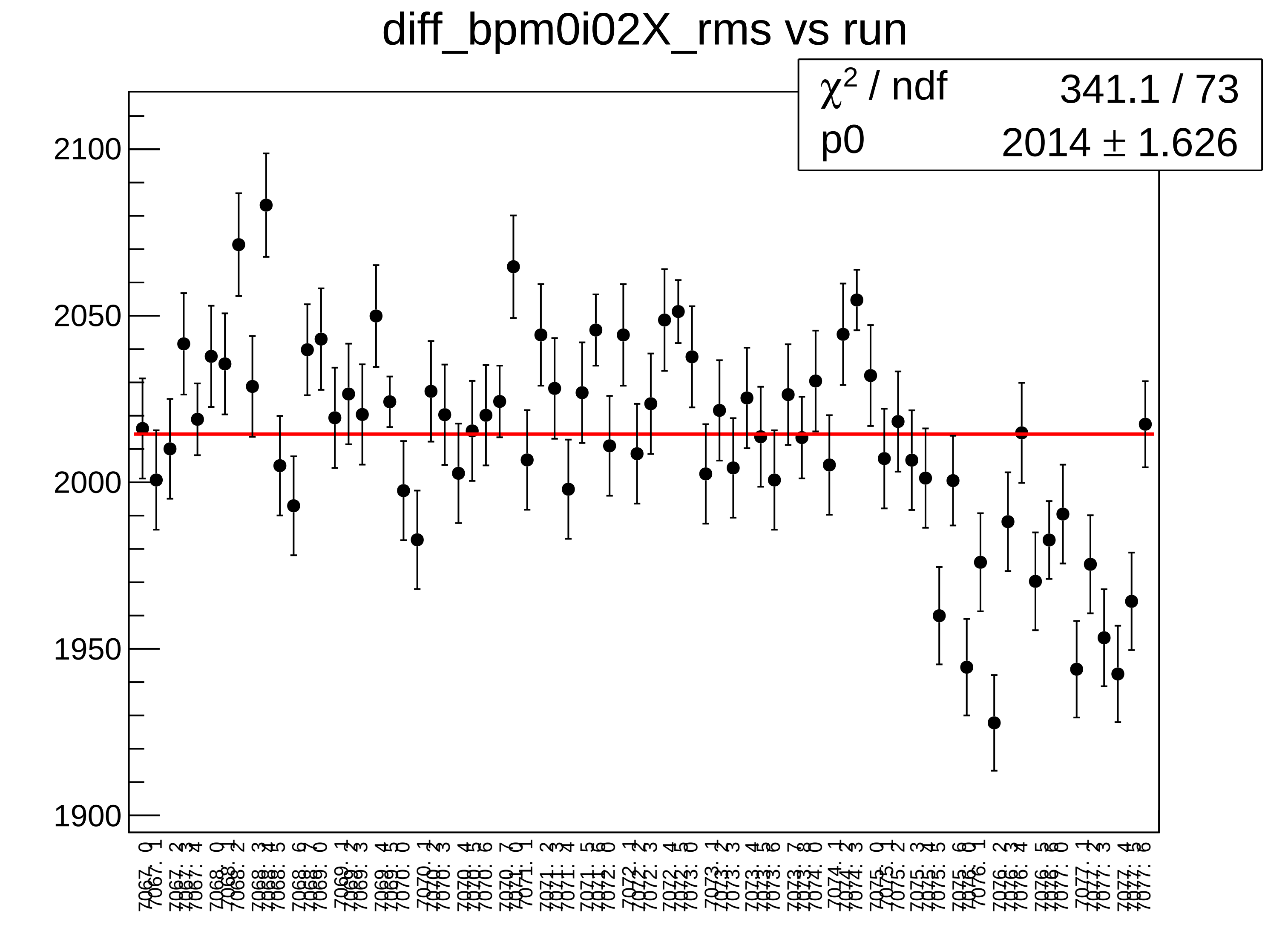


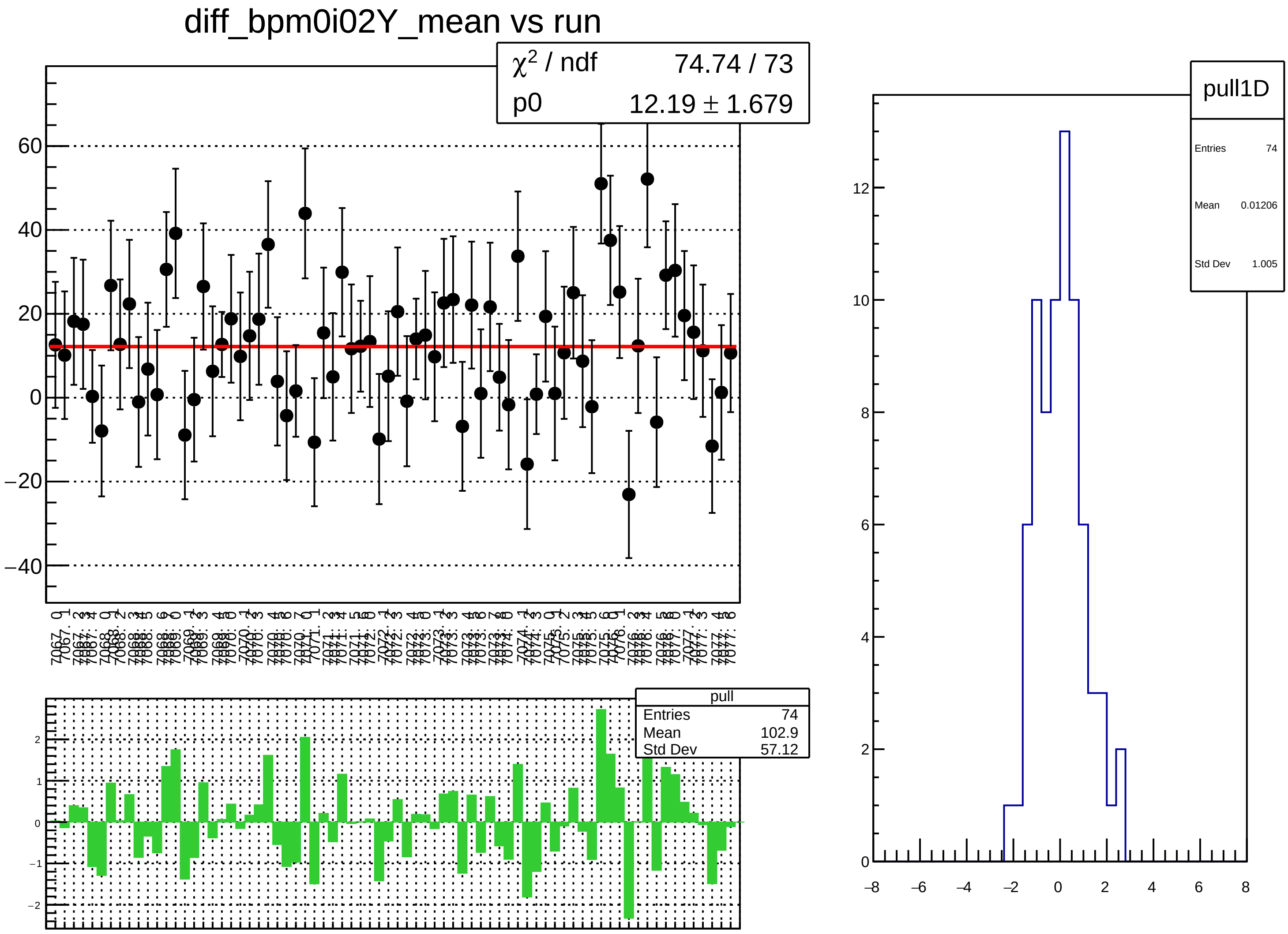
diff_bpm2i02Y_mean vs run
χ^2 / ndf 71.13 / 73
p0 −5.313 ± 1.659
pull
Entries 74
Mean 860.6
Std Dev 847
pull1D
Entries 74
Mean 0.003116
Std Dev 0.9804

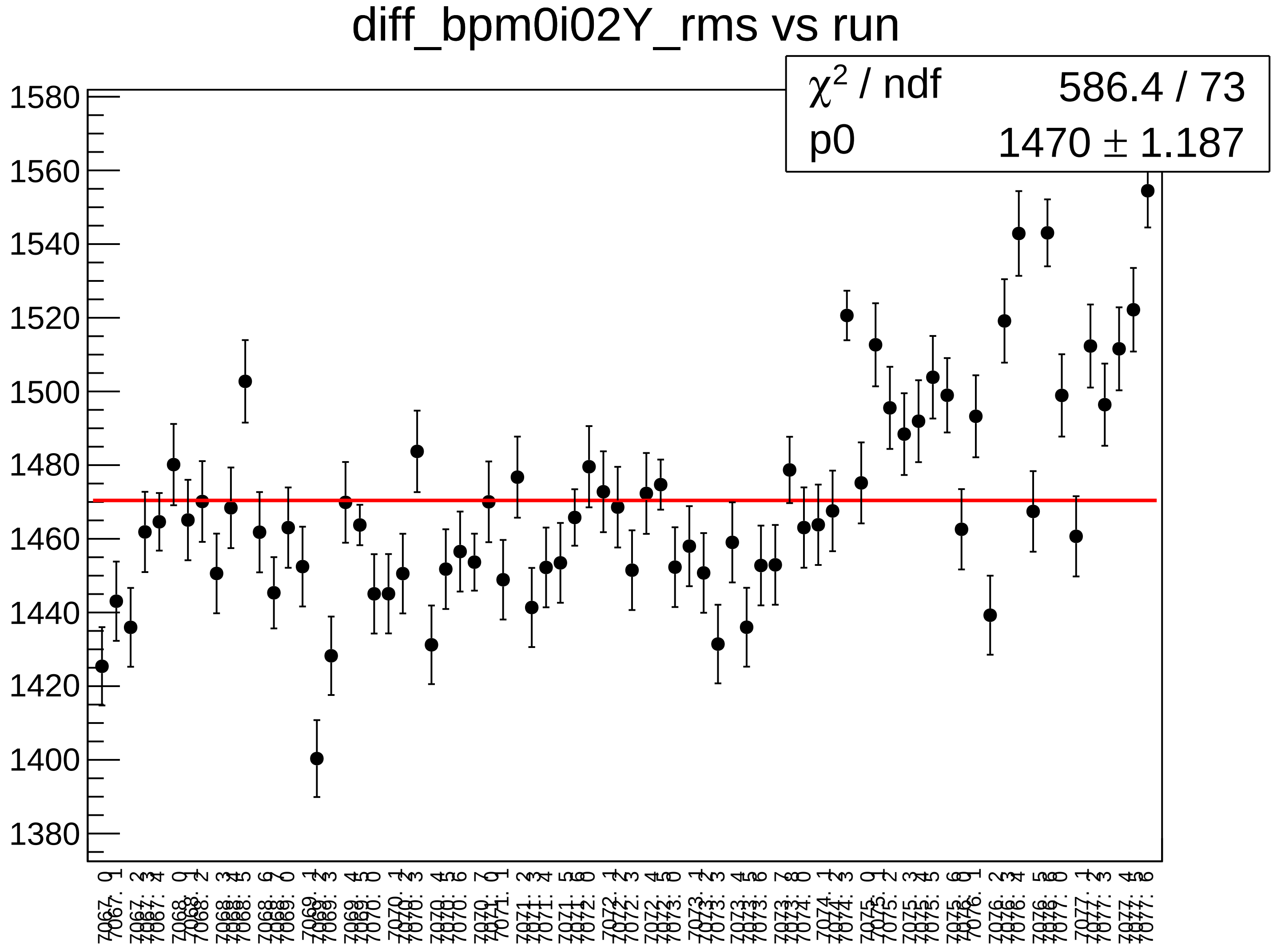

diff_bpm2i02Y_rms vs run
χ^2 / ndf 1367 / 73
p0 1453 ± 1.173
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250



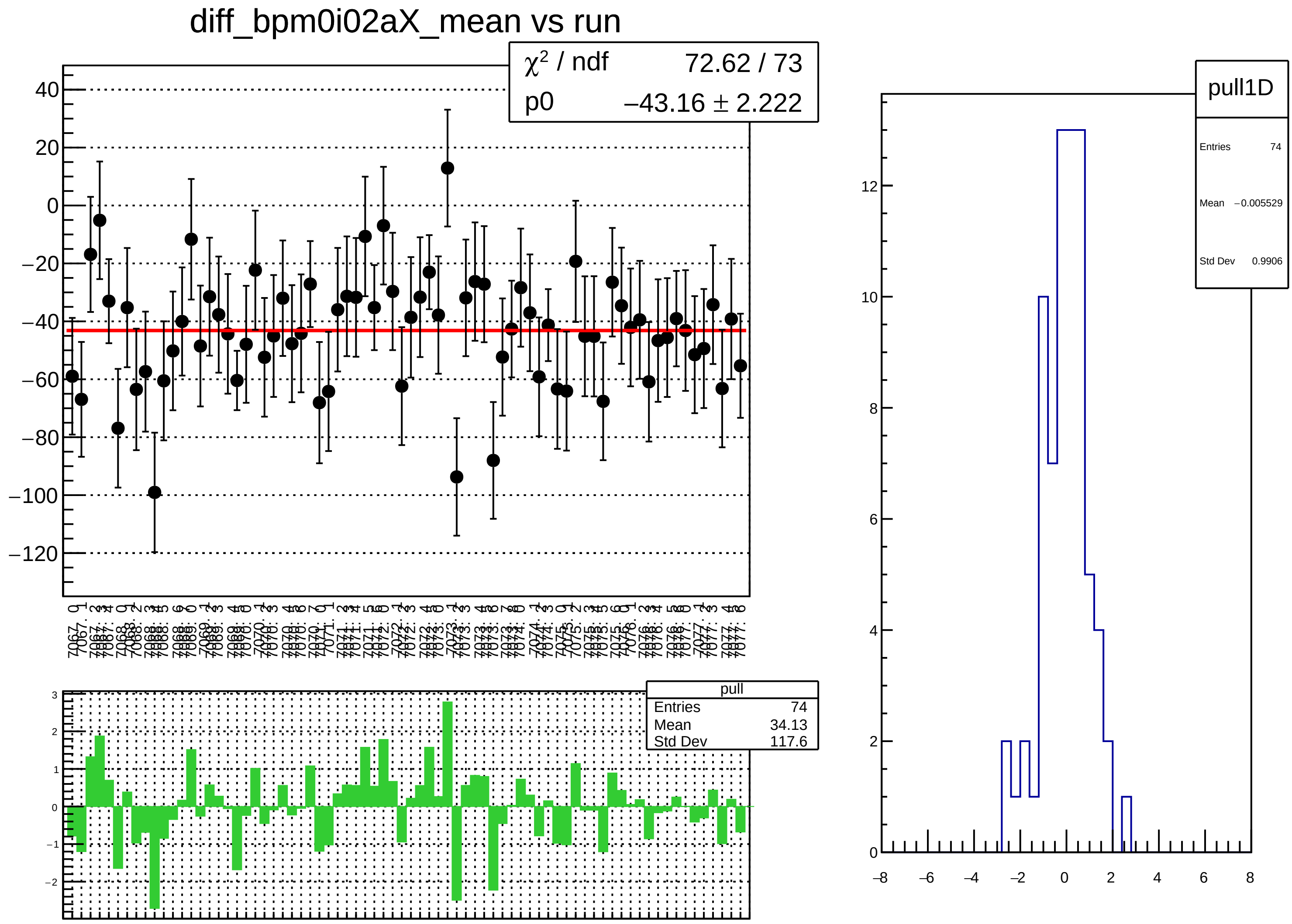
diff_bpm0i02X_mean vs run
χ^2 / ndf 75 / 73
p0 −25.69 ± 2.3
pull
Entries 74
Mean 2234
Std Dev 2196
pull1D
Entries 74
Mean 0.001441
Std Dev 1.007

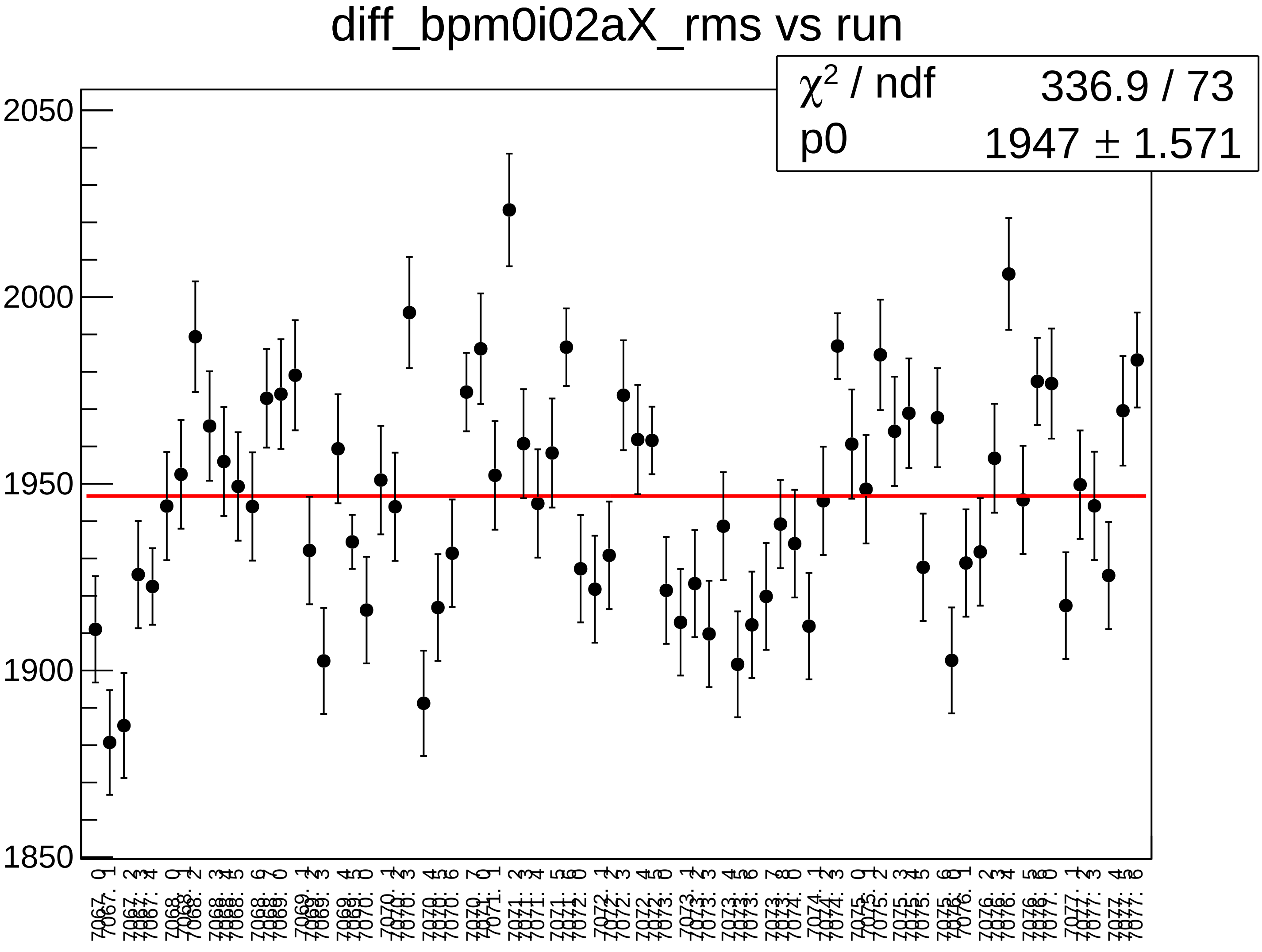

diff_bpm0i02X_rms vs run
χ^2 / ndf 341.1 / 73
p0 2014 ± 1.626
2100
2050
2000
1950
1900

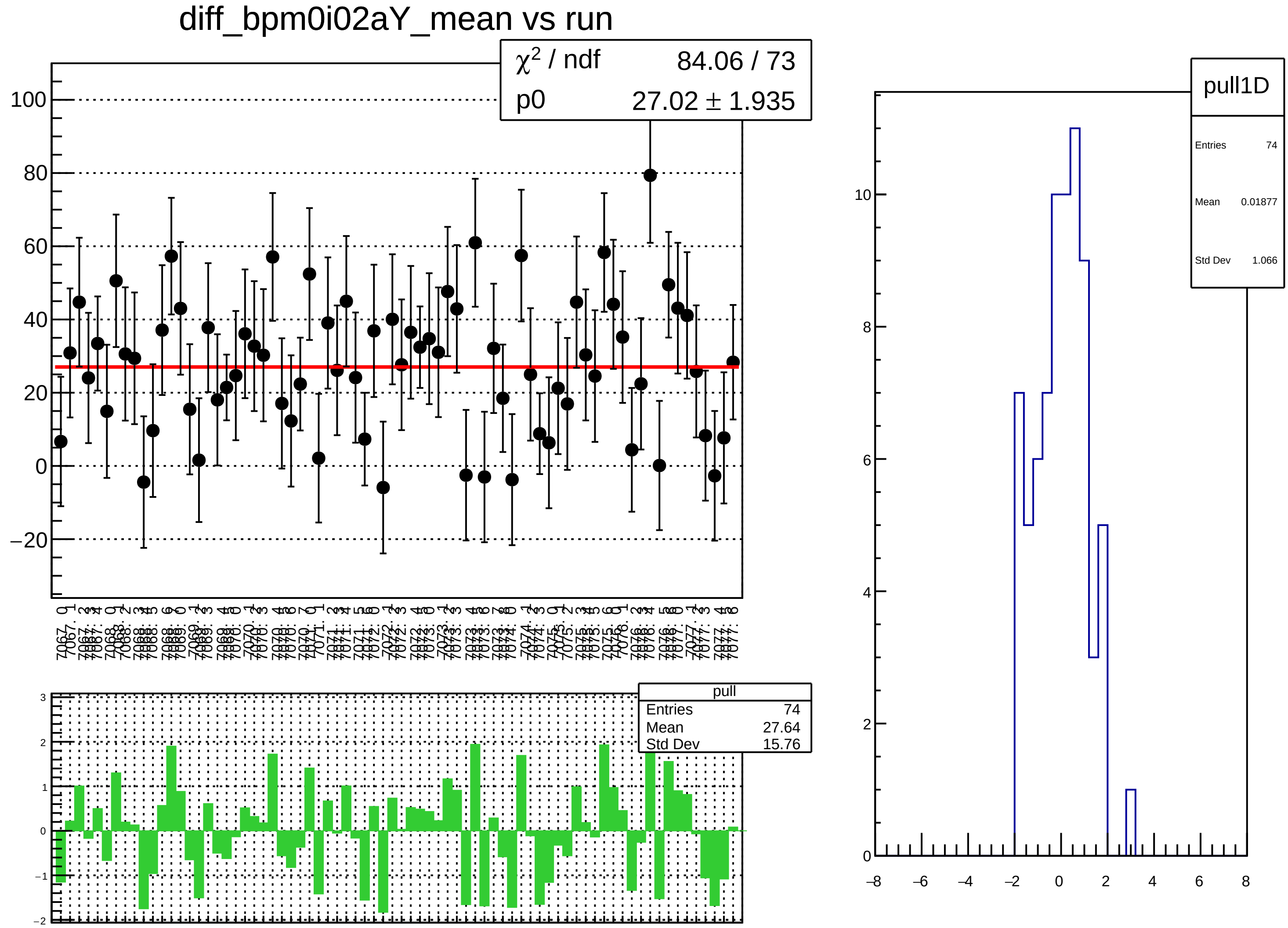

diff_bpm0i02Y_mean vs run
χ^2 / ndf 74.74 / 73
p0 12.19 ± 1.679
pull
Entries 74
Mean 102.9
Std Dev 57.12
pull1D
Entries 74
Mean 0.01206
Std Dev 1.005



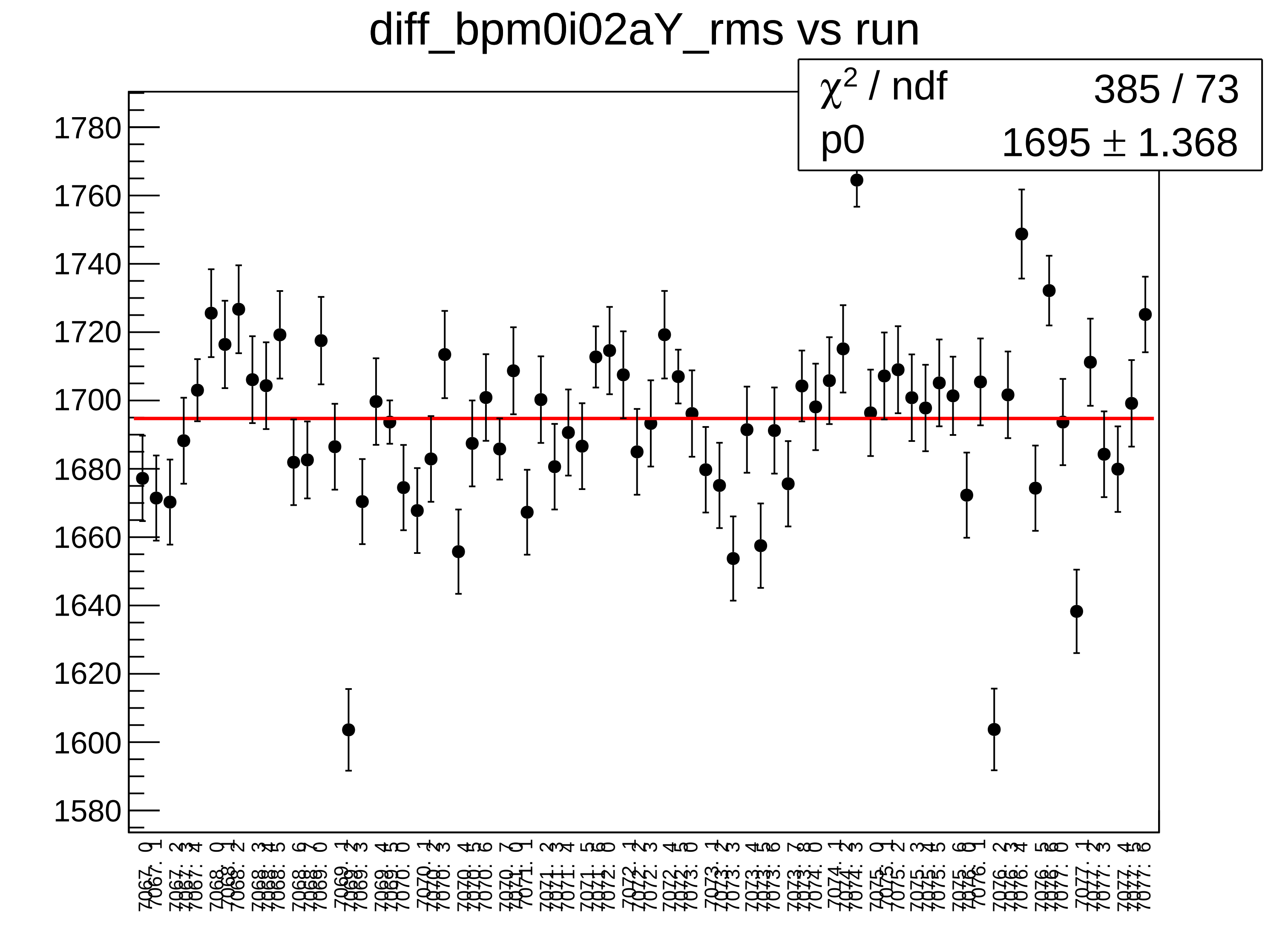
diff_bpm0i02Y_rms vs run
χ2 / ndf 586.4 / 73
p0 1470 ± 1.187
1580
1560
1540
1520
1500
1480
1460
1440
1420
1400
1380

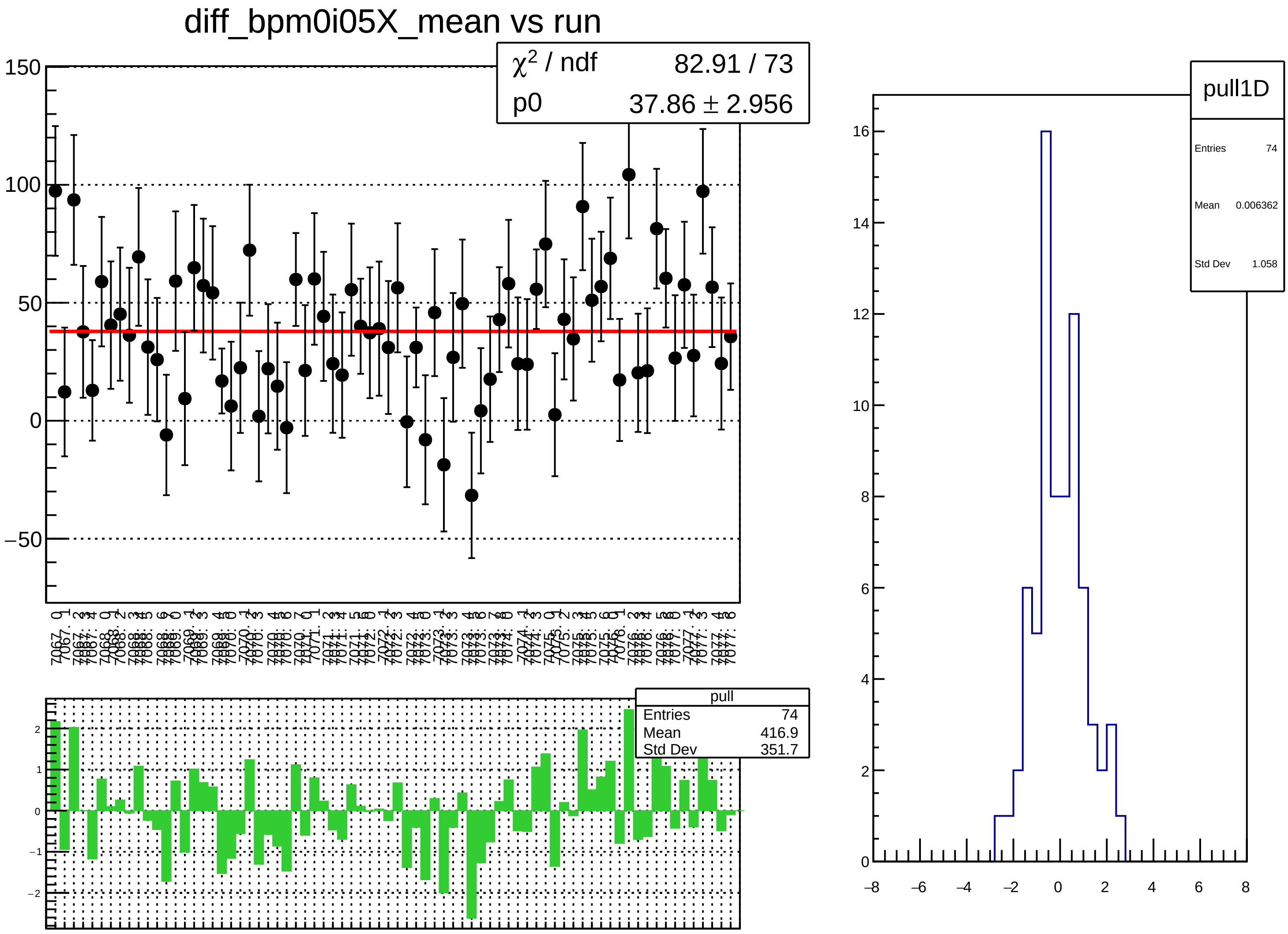

diff_bpm0i02aX_mean vs run
χ^2 / ndf 72.62 / 73
p0 −43.16 ± 2.222
pull
Entries 74
Mean 34.13
Std Dev 117.6
pull1D
Entries 74
Mean −0.005529
Std Dev 0.9906

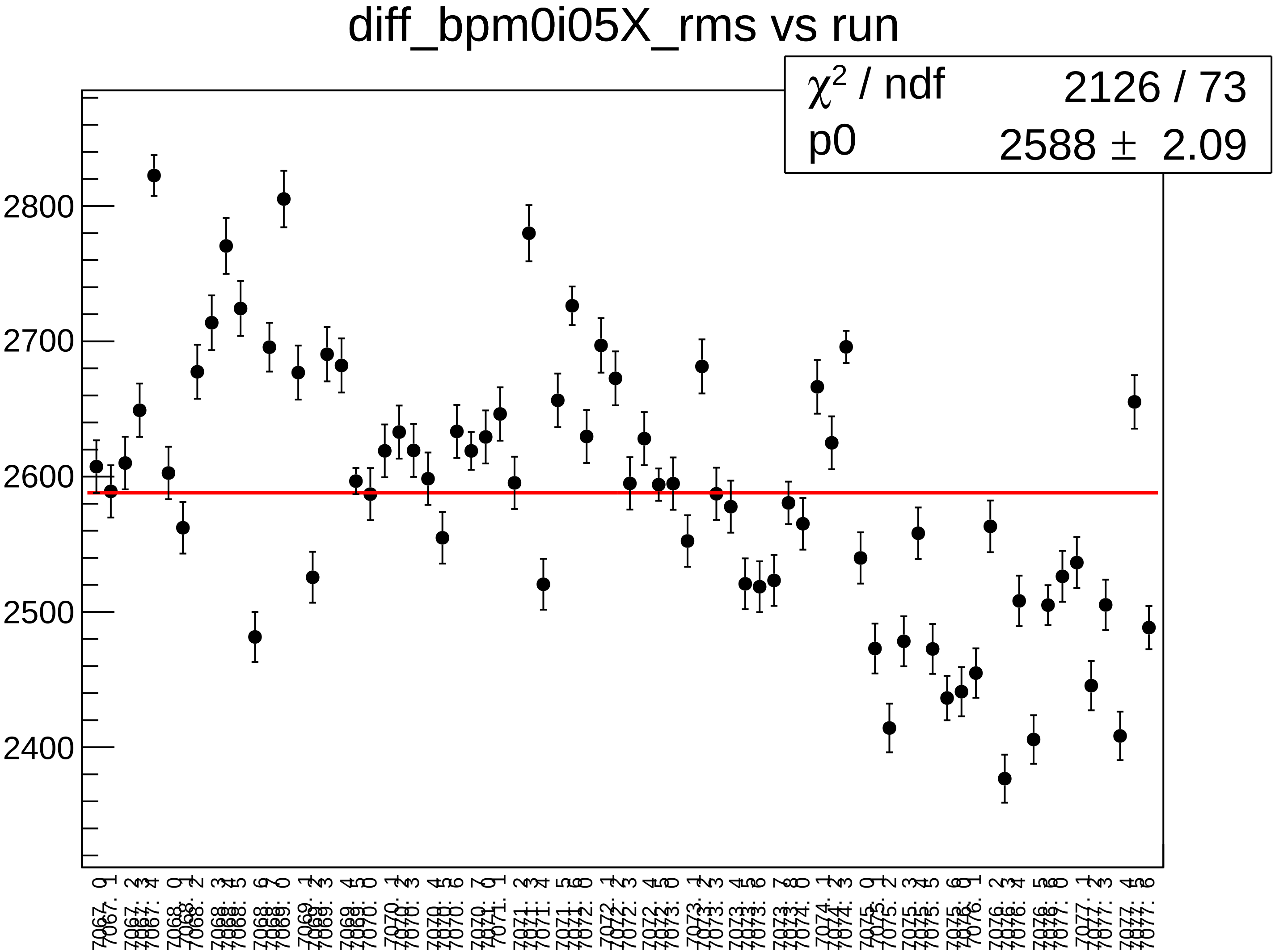

diff_bpm0i02aX_rms vs run
χ2 / ndf 336.9 / 73
p0 1947 ± 1.571
2050
2000
1950
1900
1850

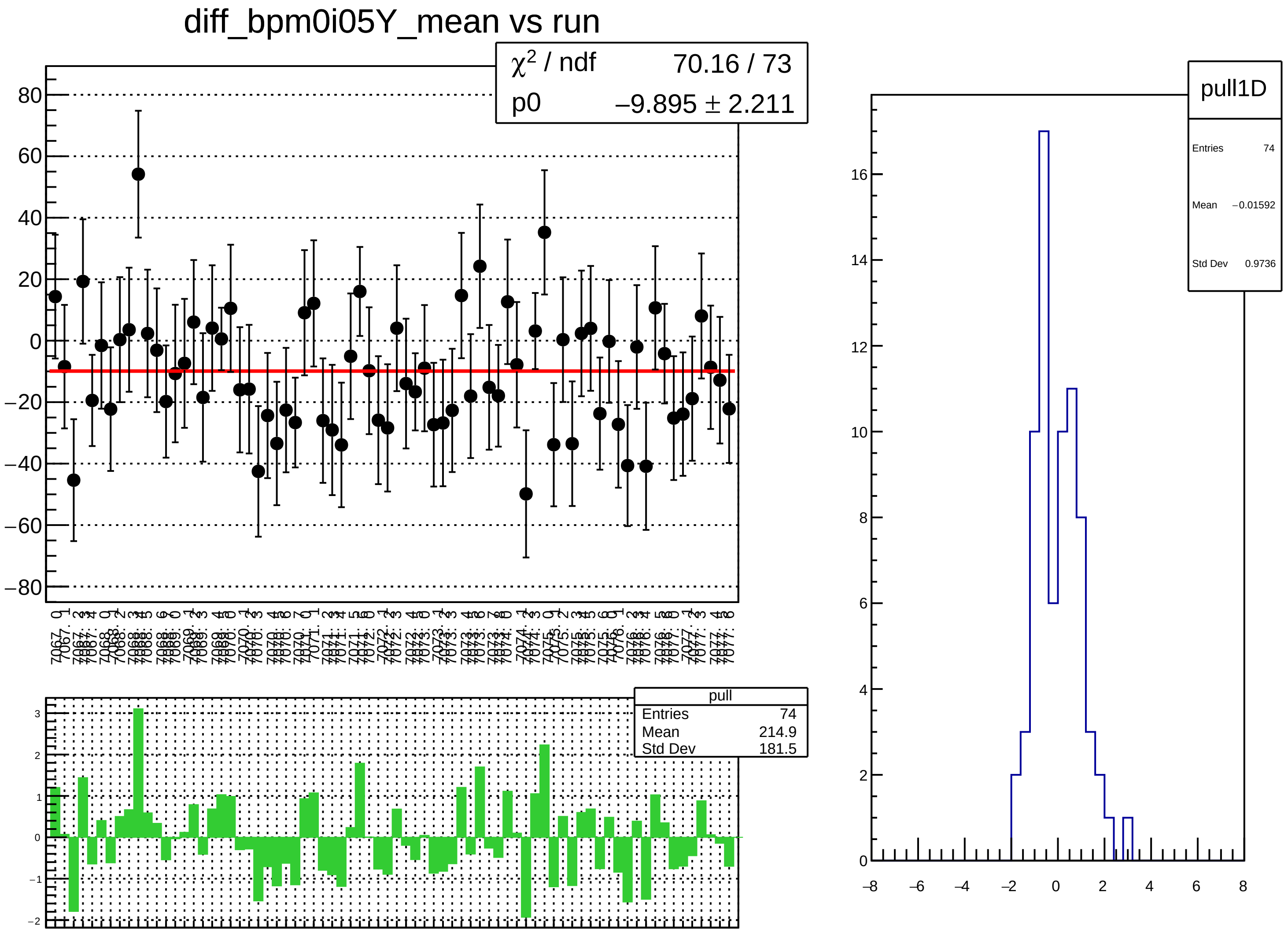


diff_bpm0i02aY_mean vs run
χ2 / ndf 84.06 / 73
p0 27.02 ± 1.935
pull
Entries 74
Mean 27.64
Std Dev 15.76
pull1D
Entries 74
Mean 0.01877
Std Dev 1.066

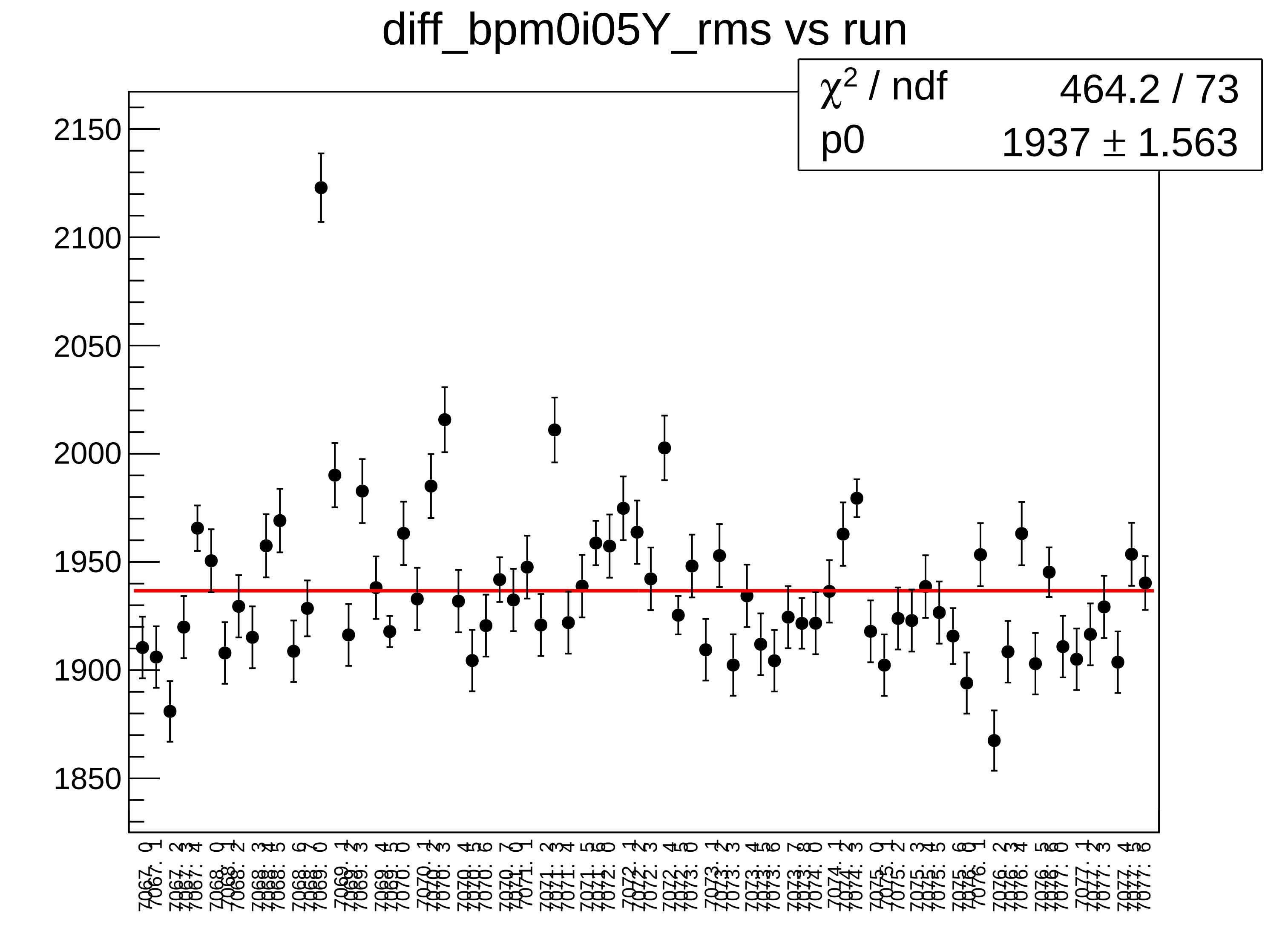

diff_bpm0i02aY_rms vs run
χ2 / ndf 385 / 73
p0 1695 ± 1.368
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580

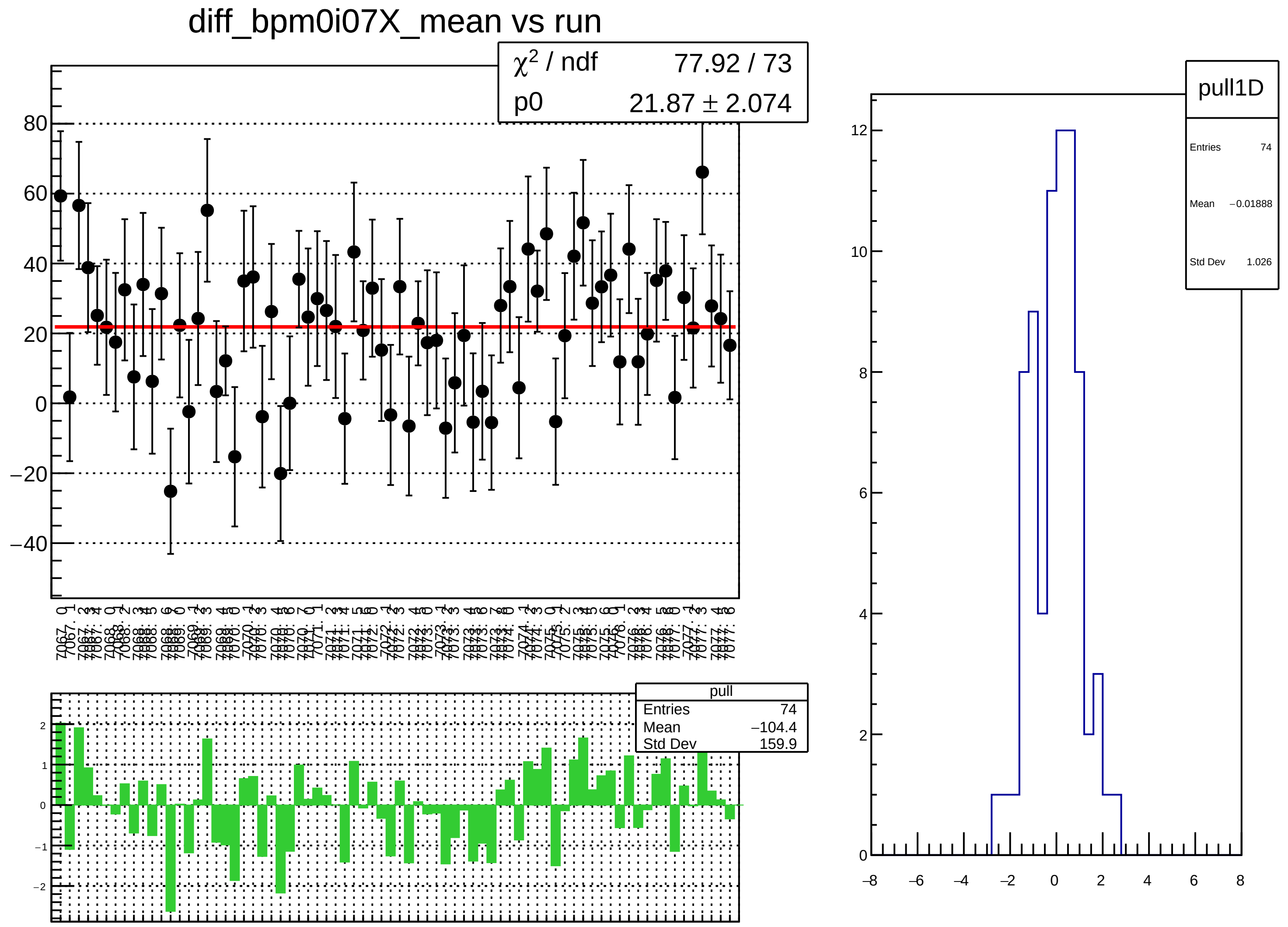

diff_bpm0i05X_mean vs run
χ2 / ndf 82.91 / 73
p0 37.86 ± 2.956
pull
Entries 74
Mean 416.9
Std Dev 351.7
pull1D
Entries 74
Mean 0.006362
Std Dev 1.058


diff_bpm0i05X_rms vs run
χ^2 / ndf 2126 / 73
p0 2588 ± 2.09
2800
2700
2600
2500
2400

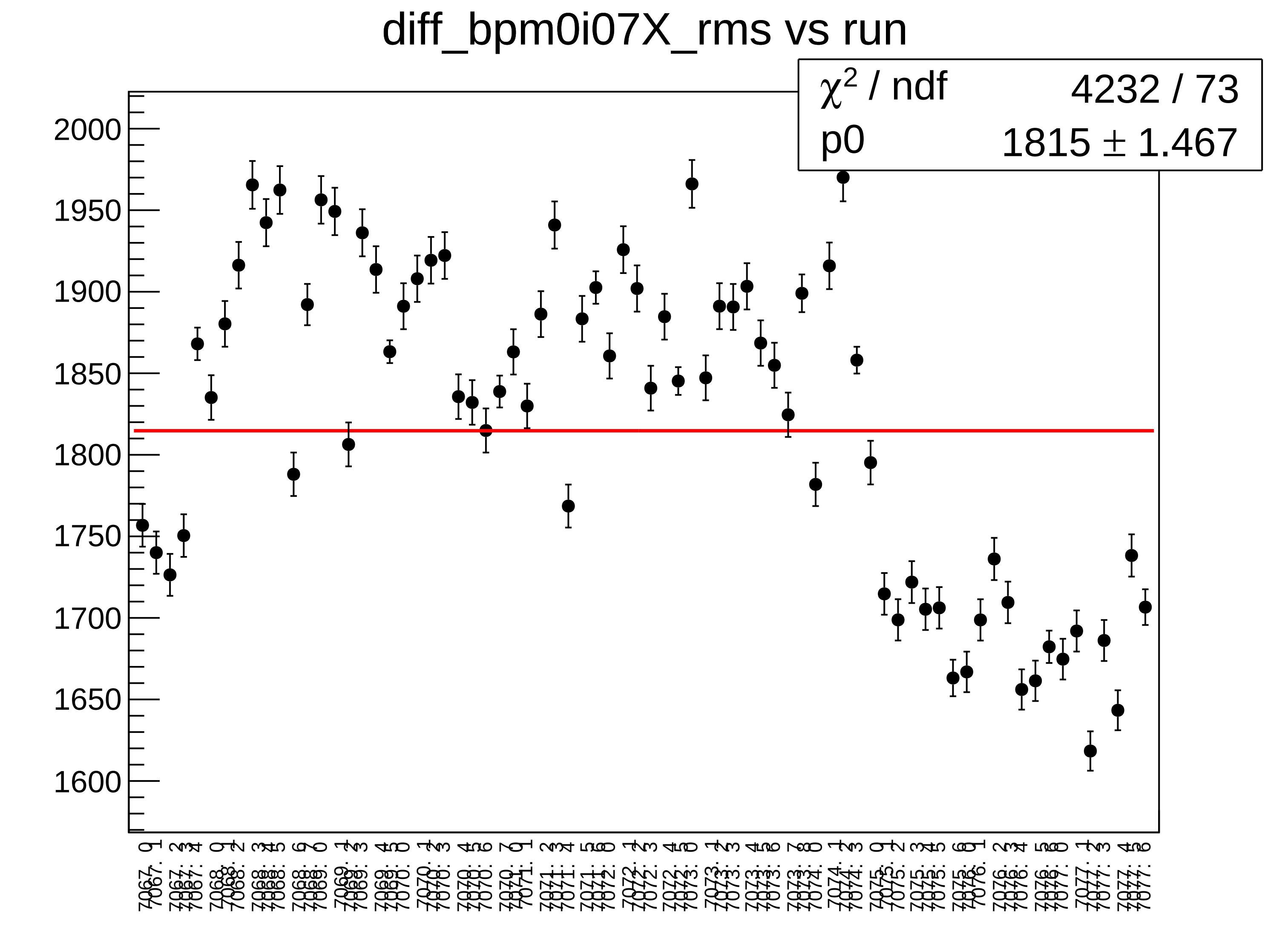


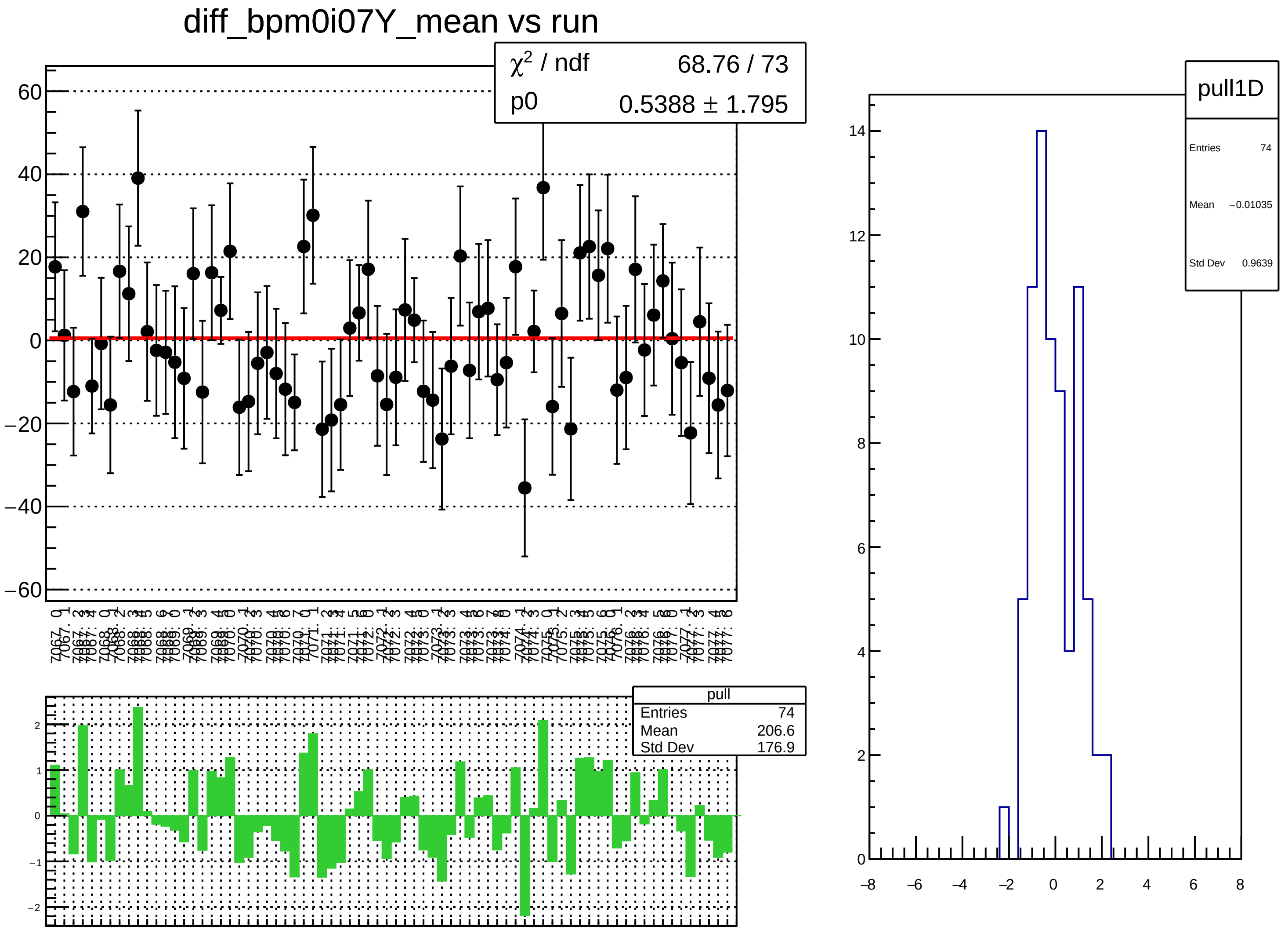
diff_bpm0i05Y_mean vs run
χ^2 / ndf 70.16 / 73
p0 −9.895 ± 2.211
pull
Entries 74
Mean 214.9
Std Dev 181.5
pull1D
Entries 74
Mean −0.01592
Std Dev 0.9736


diff_bpm0i05Y_rms vs run
χ2 / ndf 464.2 / 73
p0 1937 ± 1.563
2150
2100
2050
2000
1950
1900
1850

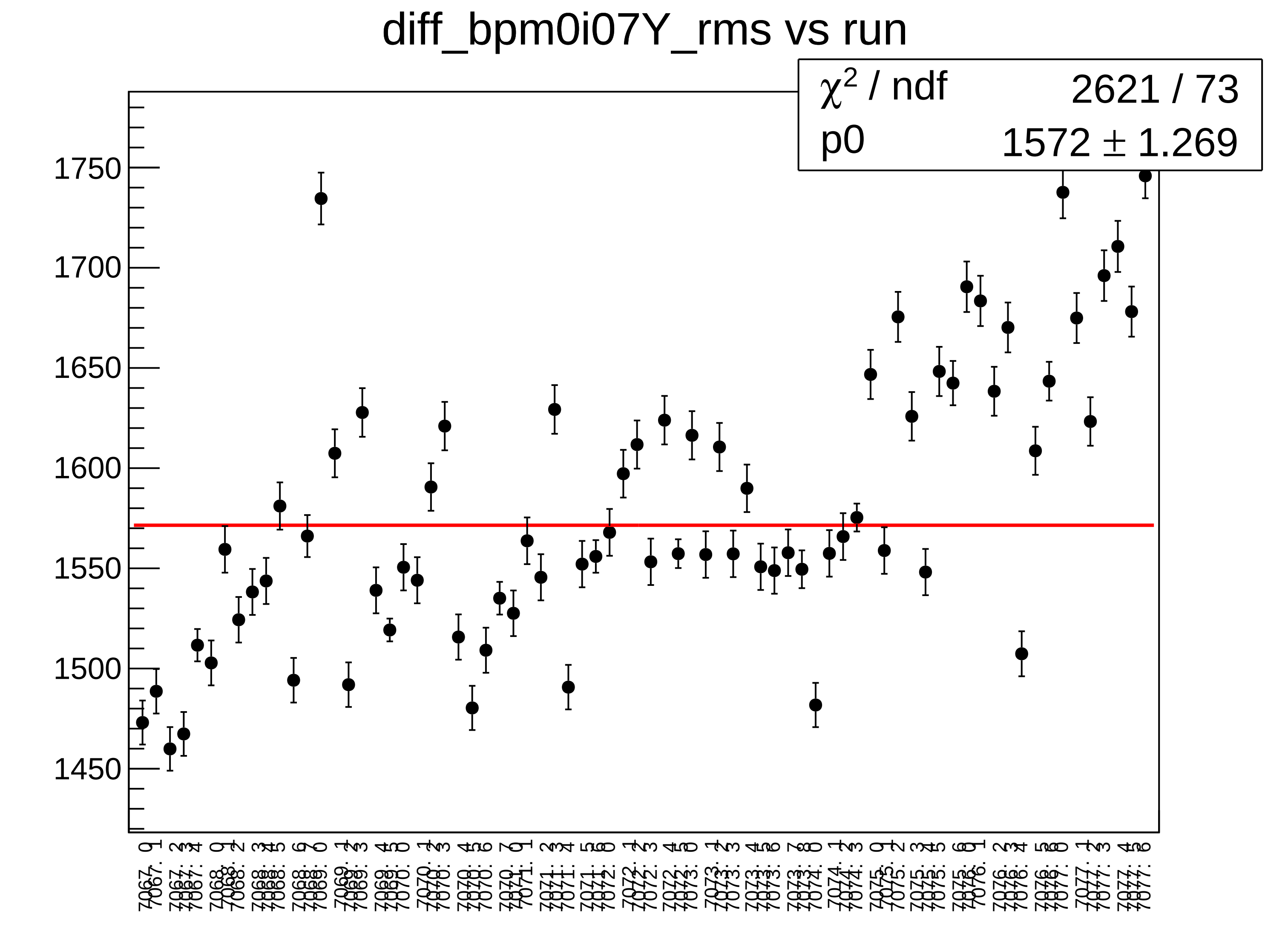


diff_bpm0i07X_mean vs run
χ2 / ndf 77.92 / 73
p0 21.87 ± 2.074
pull
Entries 74
Mean −104.4
Std Dev 159.9
pull1D
Entries 74
Mean −0.01888
Std Dev 1.026

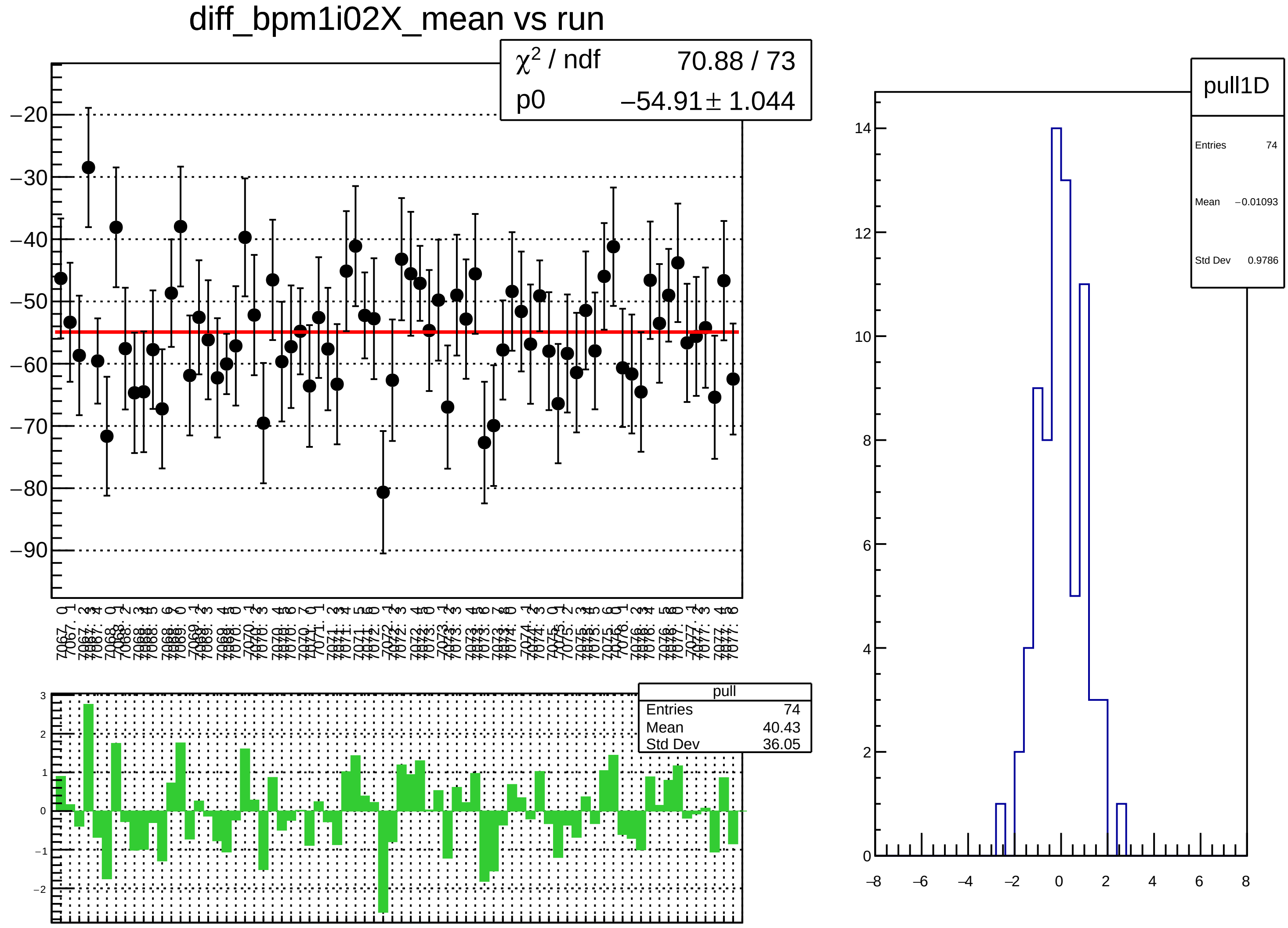

diff_bpm0i07X_rms vs run
χ2 / ndf 4232 / 73
p0 1815 ± 1.467

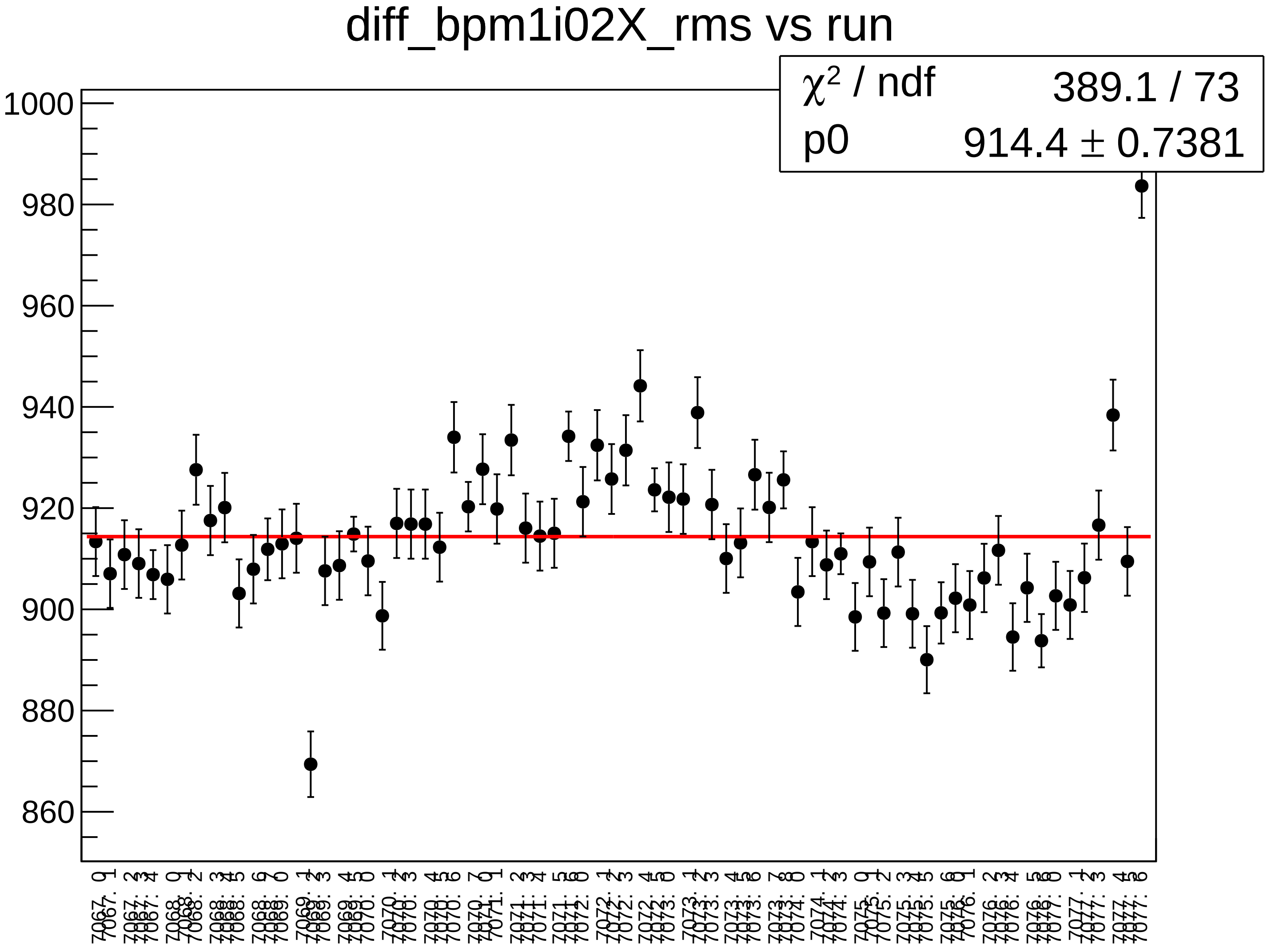


diff_bpm0i07Y_mean vs run
χ^2 / ndf 68.76 / 73
p0 0.5388 ± 1.795
pull
Entries 74
Mean 206.6
Std Dev 176.9
pull1D
Entries 74
Mean −0.01035
Std Dev 0.9639

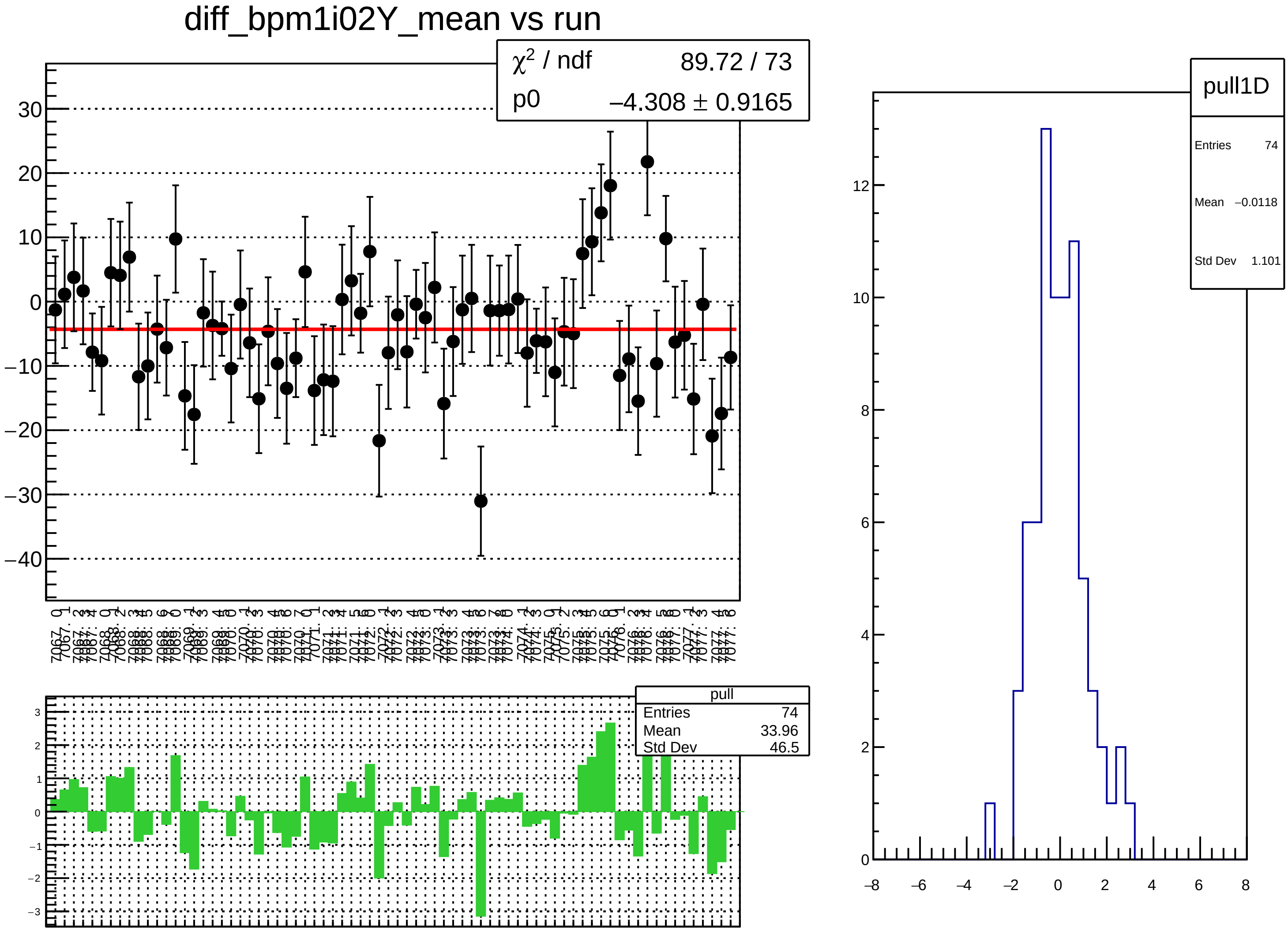


diff_bpm0i07Y_rms vs run
χ^2 / ndf 2621 / 73
p0 1572 ± 1.269
1750
1700
1650
1600
1550
1500
1450

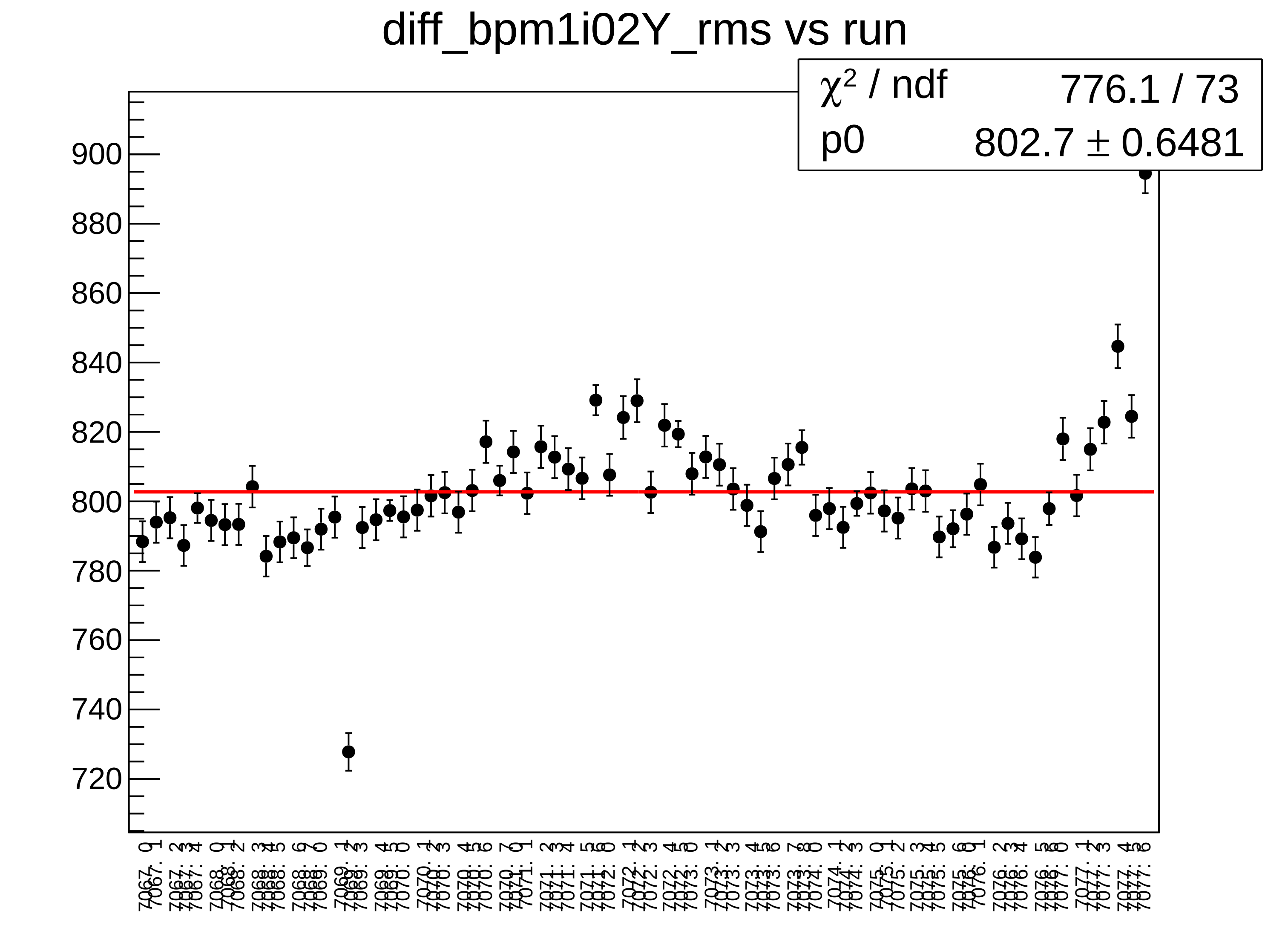

diff_bpm1i02X_mean vs run
χ2 / ndf 70.88 / 73
p0 −54.91 ± 1.044
pull
Entries 74
Mean 40.43
Std Dev 36.05
pull1D
Entries 74
Mean −0.01093
Std Dev 0.9786



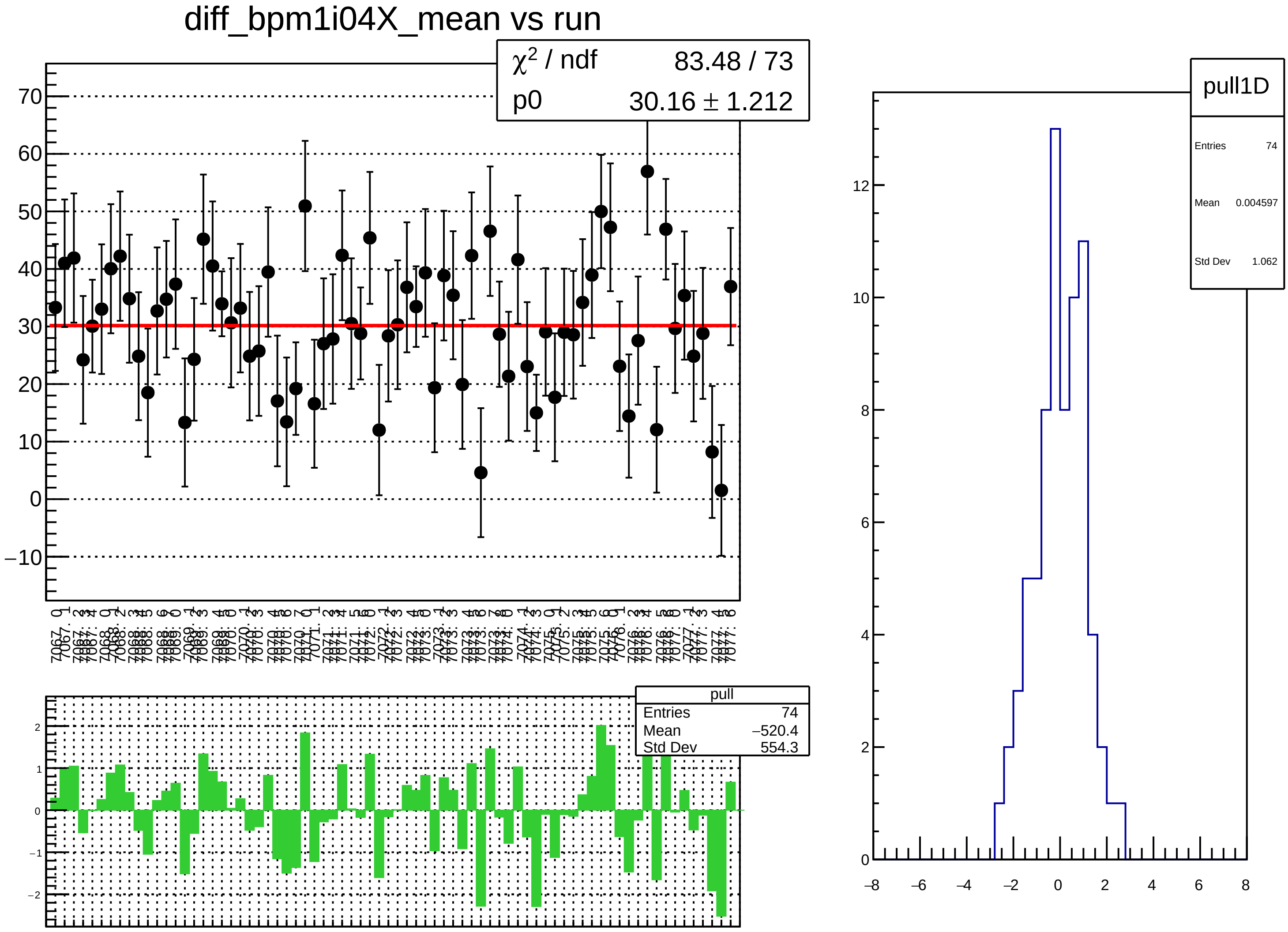
diff_bpm1i02X_rms vs run
χ^2 / ndf 389.1 / 73
p0 914.4 ± 0.7381

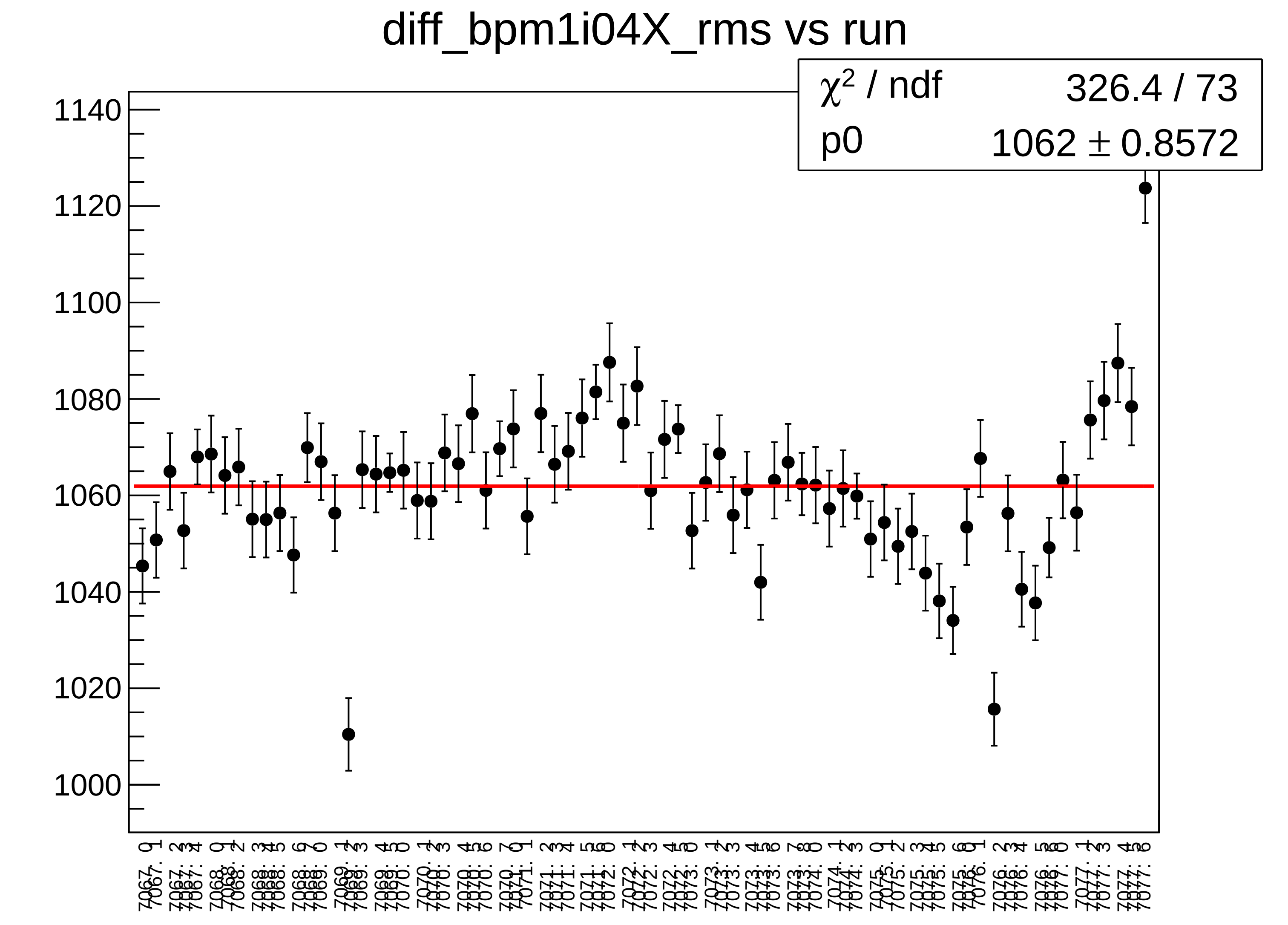


diff_bpm1i02Y_mean vs run
χ^2 / ndf 89.72 / 73
p0 −4.308 ± 0.9165
pull
Entries 74
Mean 33.96
Std Dev 46.5
pull1D
Entries 74
Mean −0.0118
Std Dev 1.101

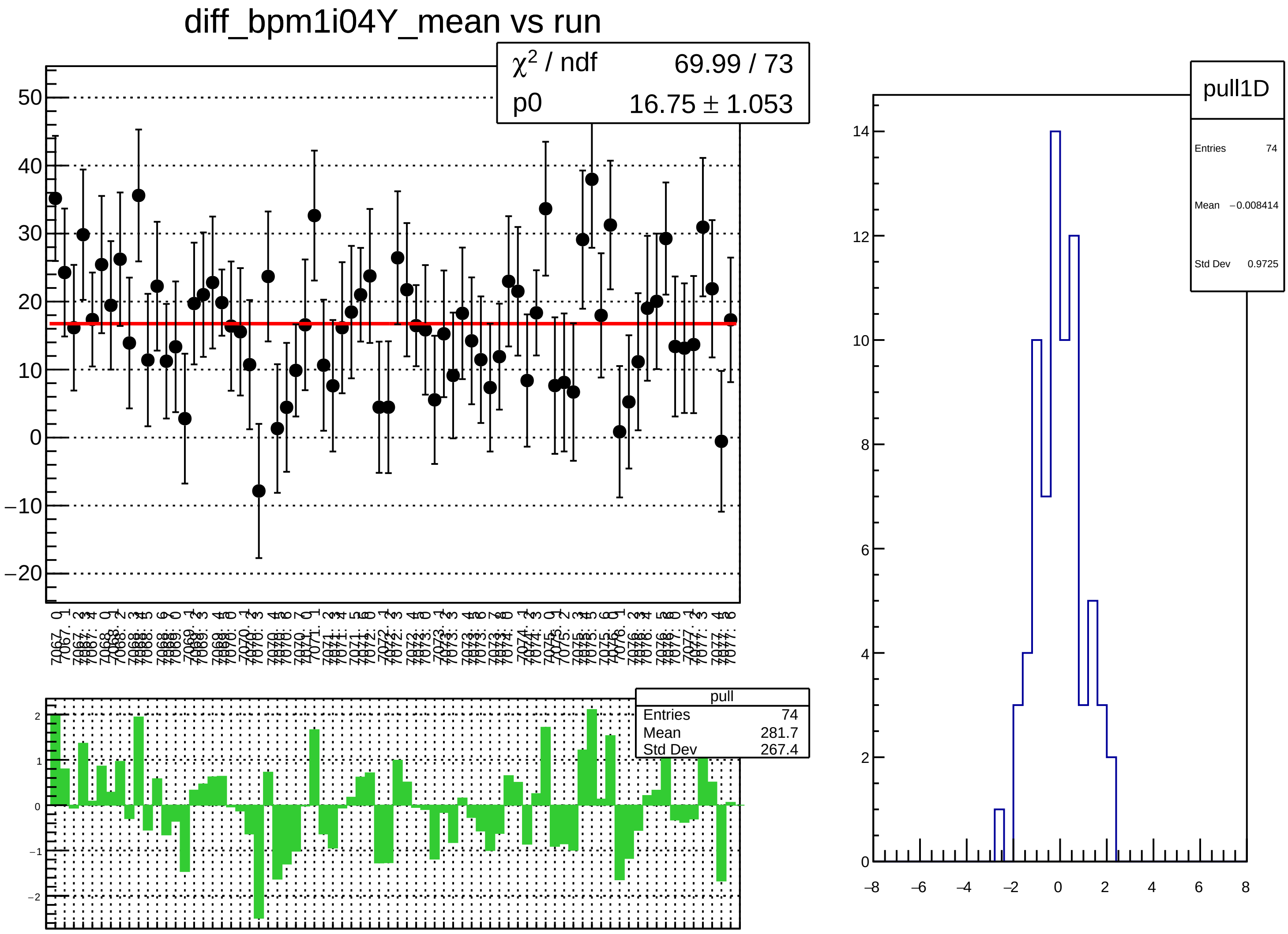


diff_bpm1i02Y_rms vs run
χ^2 / ndf 776.1 / 73
p0 802.7 ± 0.6481
900
880
860
840
820
800
780
760
740
720

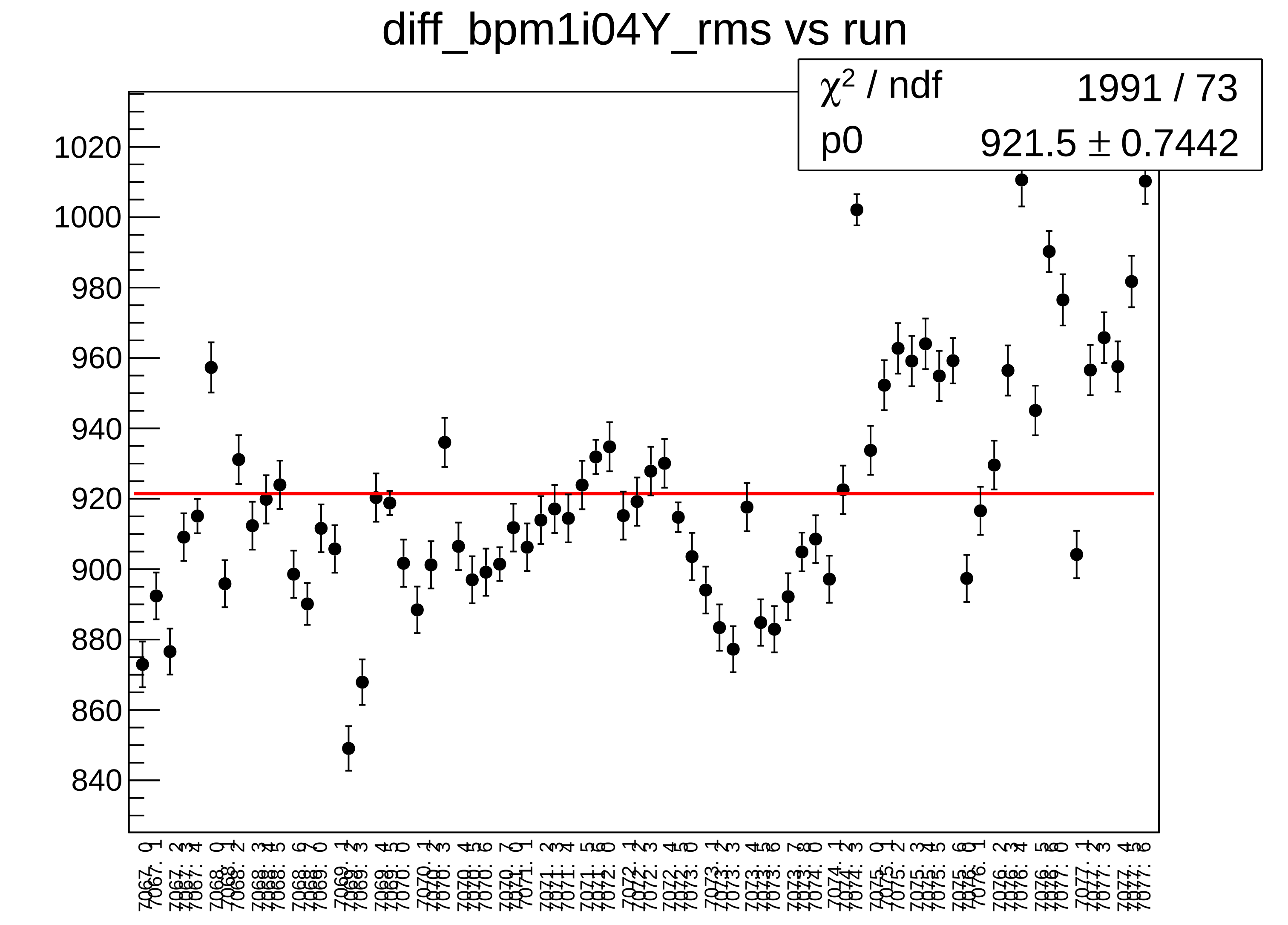

diff_bpm1i04X_mean vs run
χ^2 / ndf 83.48 / 73
p0 30.16 ± 1.212
pull
Entries 74
Mean −520.4
Std Dev 554.3
pull1D
Entries 74
Mean 0.004597
Std Dev 1.062



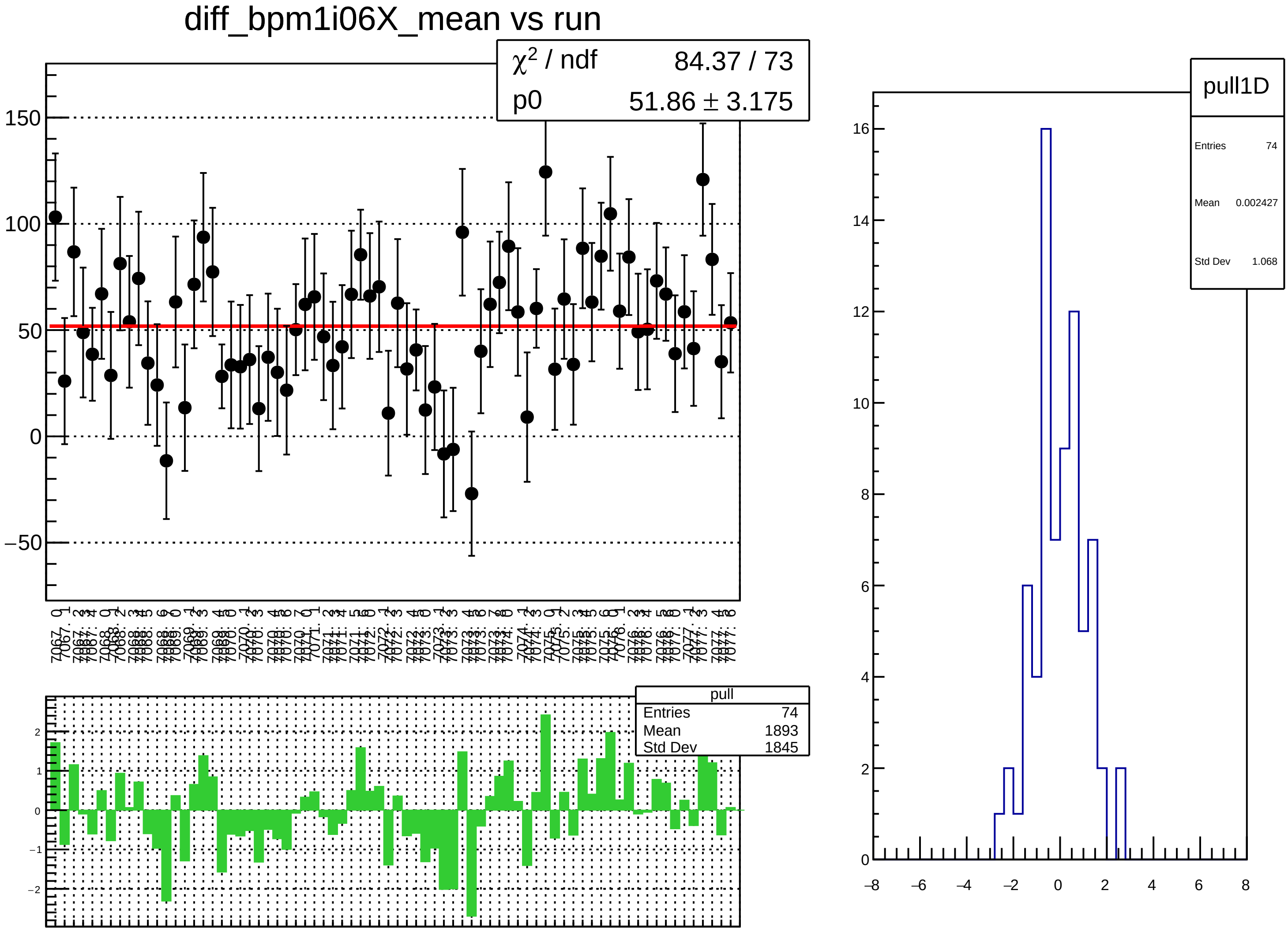
diff_bpm1i04X_rms vs run
χ^2 / ndf 326.4 / 73
p0 1062 ± 0.8572
1140
1120
1100
1080
1060
1040
1020
1000



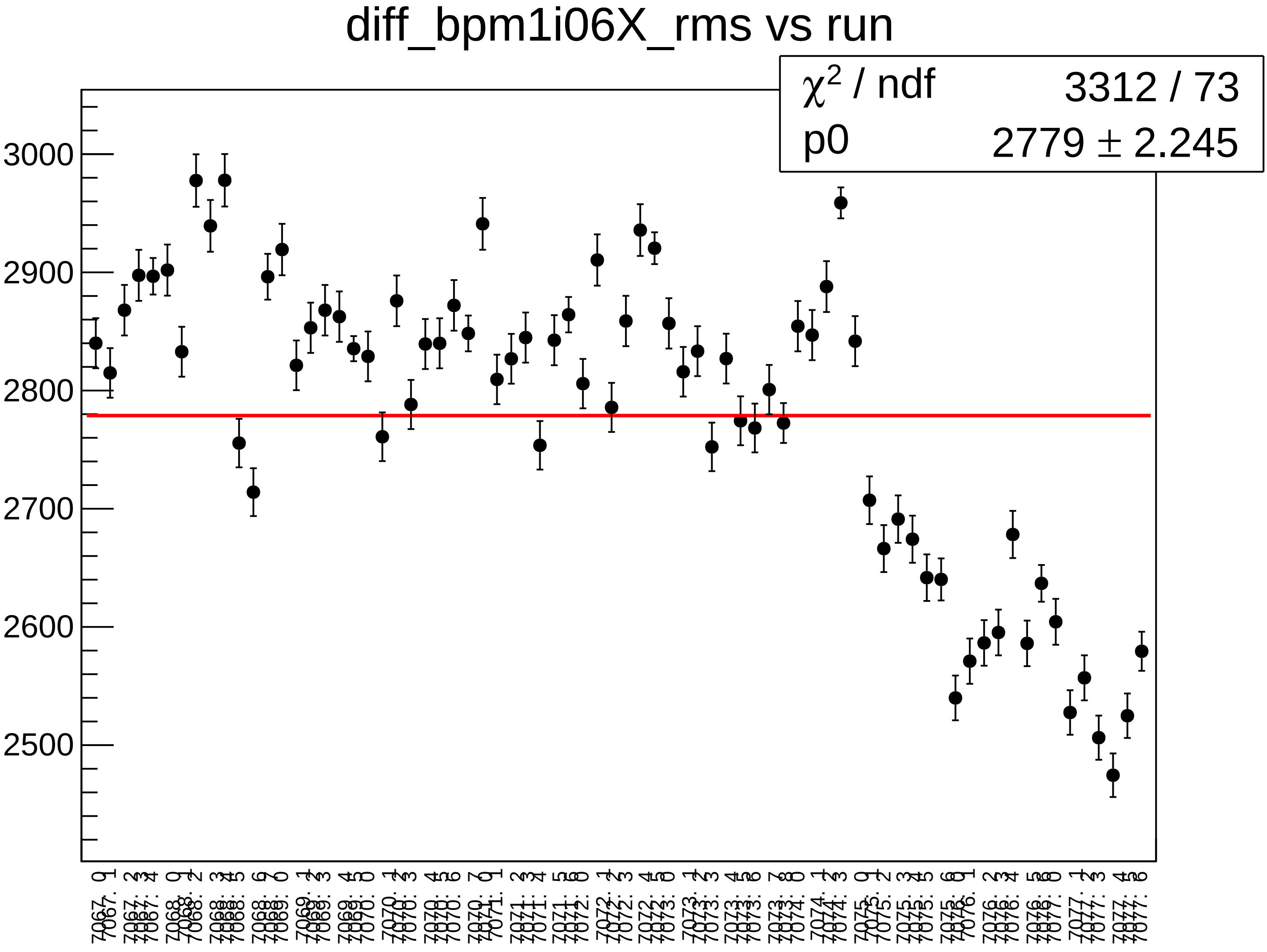
diff_bpm1i04Y_mean vs run
χ2 / ndf 69.99 / 73
p0 16.75 ± 1.053
pull
Entries 74
Mean 281.7
Std Dev 267.4
pull1D
Entries 74
Mean −0.008414
Std Dev 0.9725

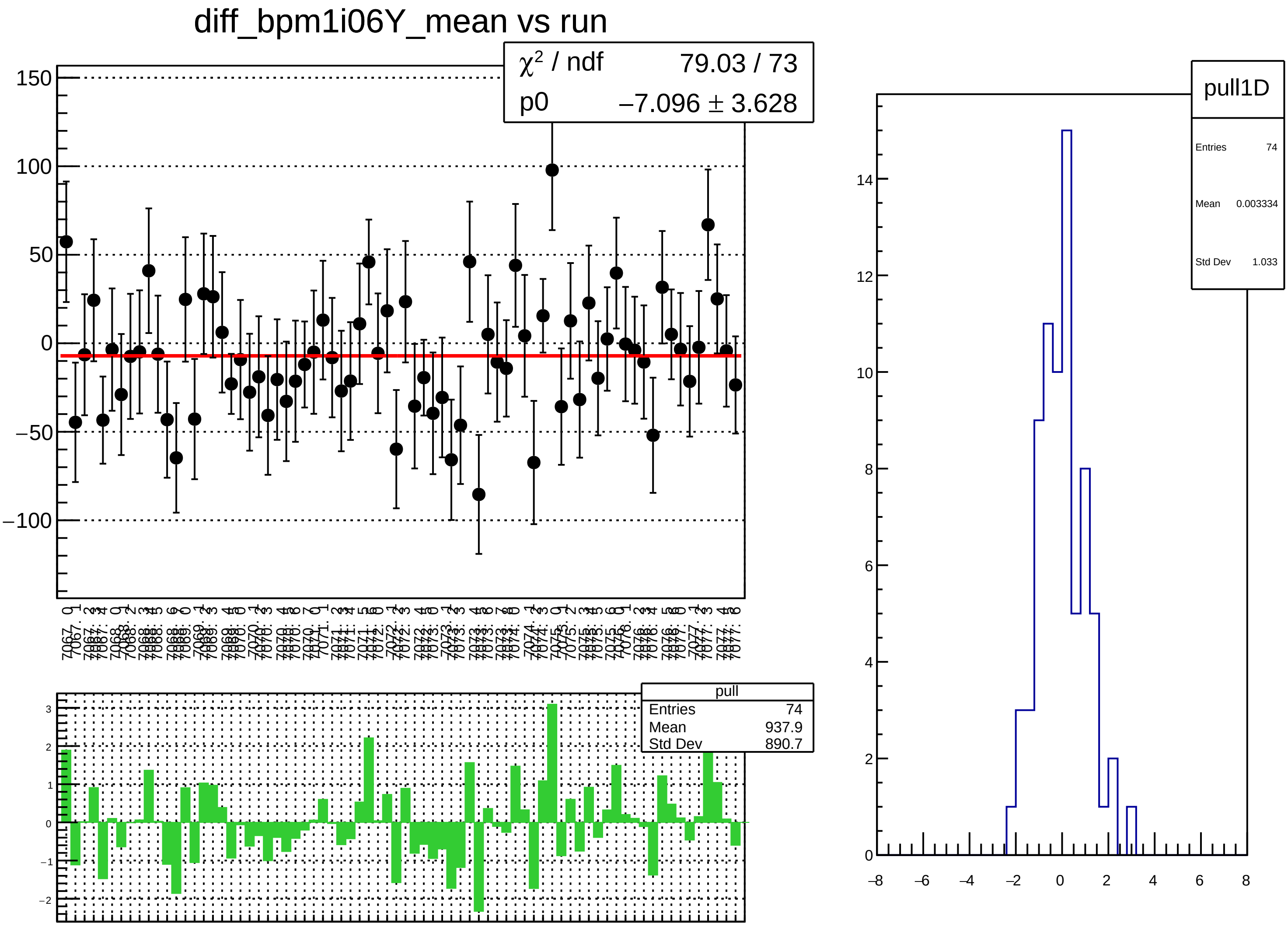


diff_bpm1i04Y_rms vs run
χ2 / ndf 1991 / 73
p0 921.5 ± 0.7442
1020
1000
980
960
940
920
900
880
860
840

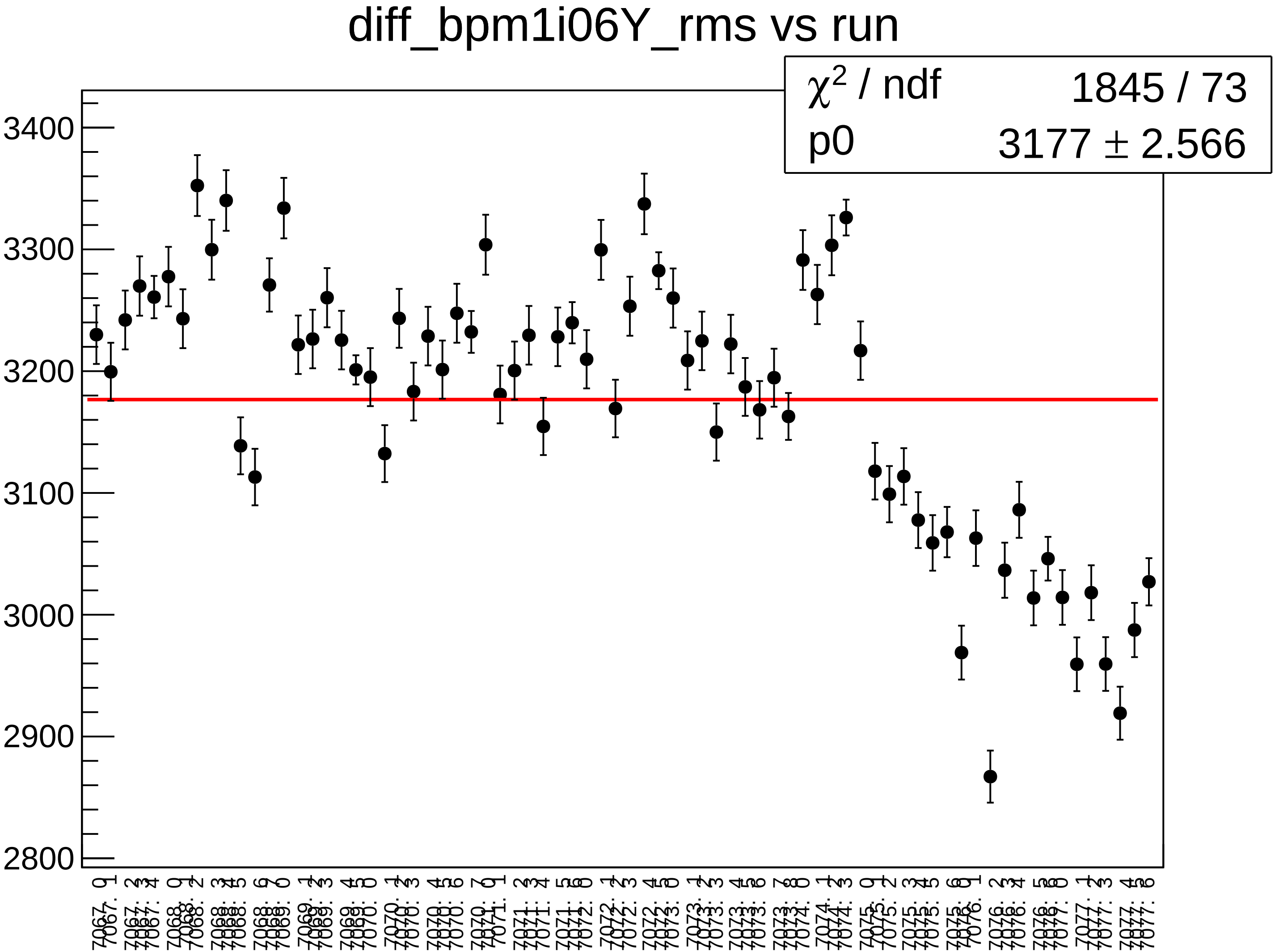


diff_bpm1i06X_mean vs run
χ^2 / ndf 84.37 / 73
p0 51.86 ± 3.175
pull
Entries 74
Mean 1893
Std Dev 1845
pull1D
Entries 74
Mean 0.002427
Std Dev 1.068

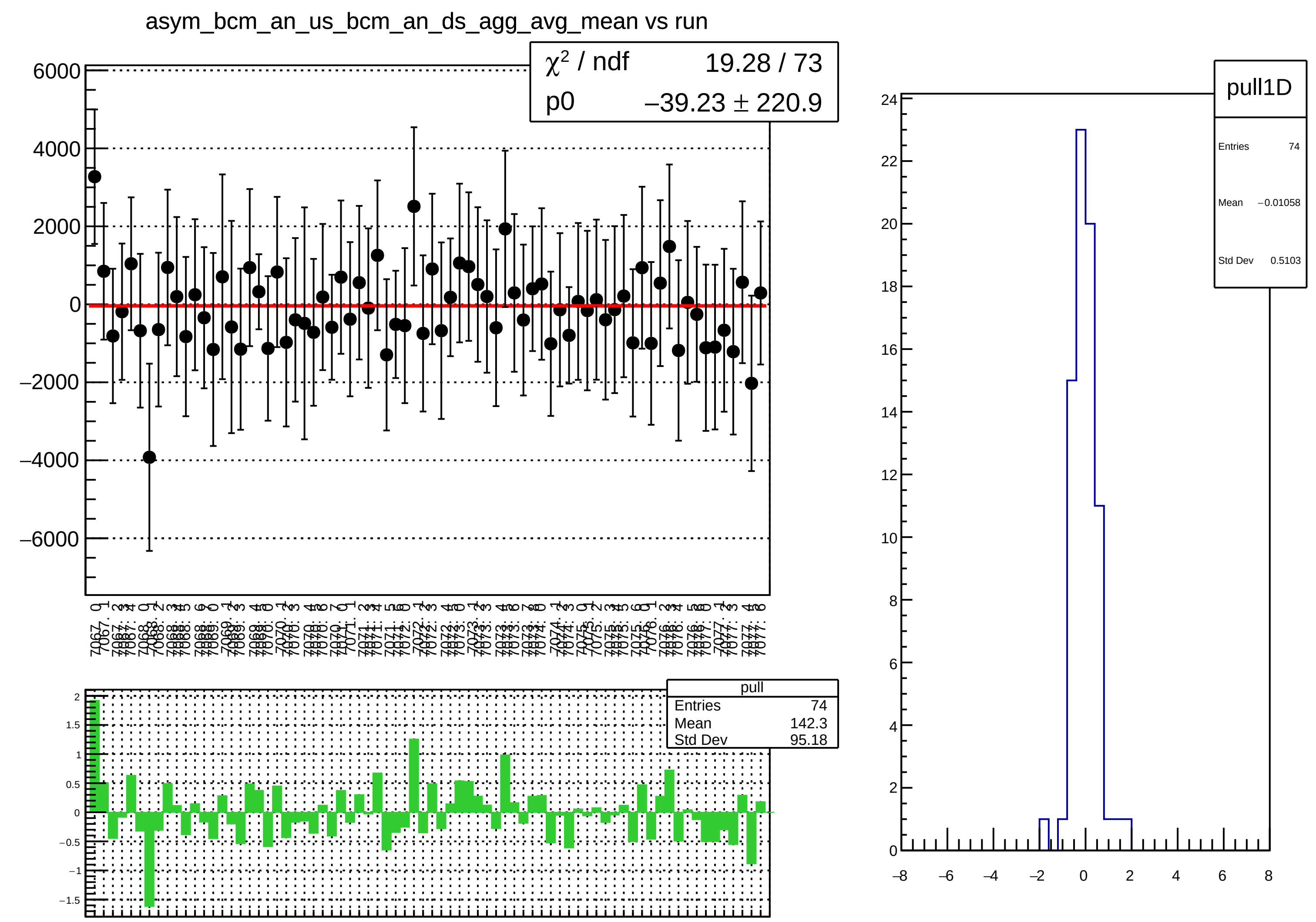

diff_bpm1i06X_rms vs run
χ2 / ndf 3312 / 73
p0 2779 ± 2.245
3000
2900
2800
2700
2600
2500

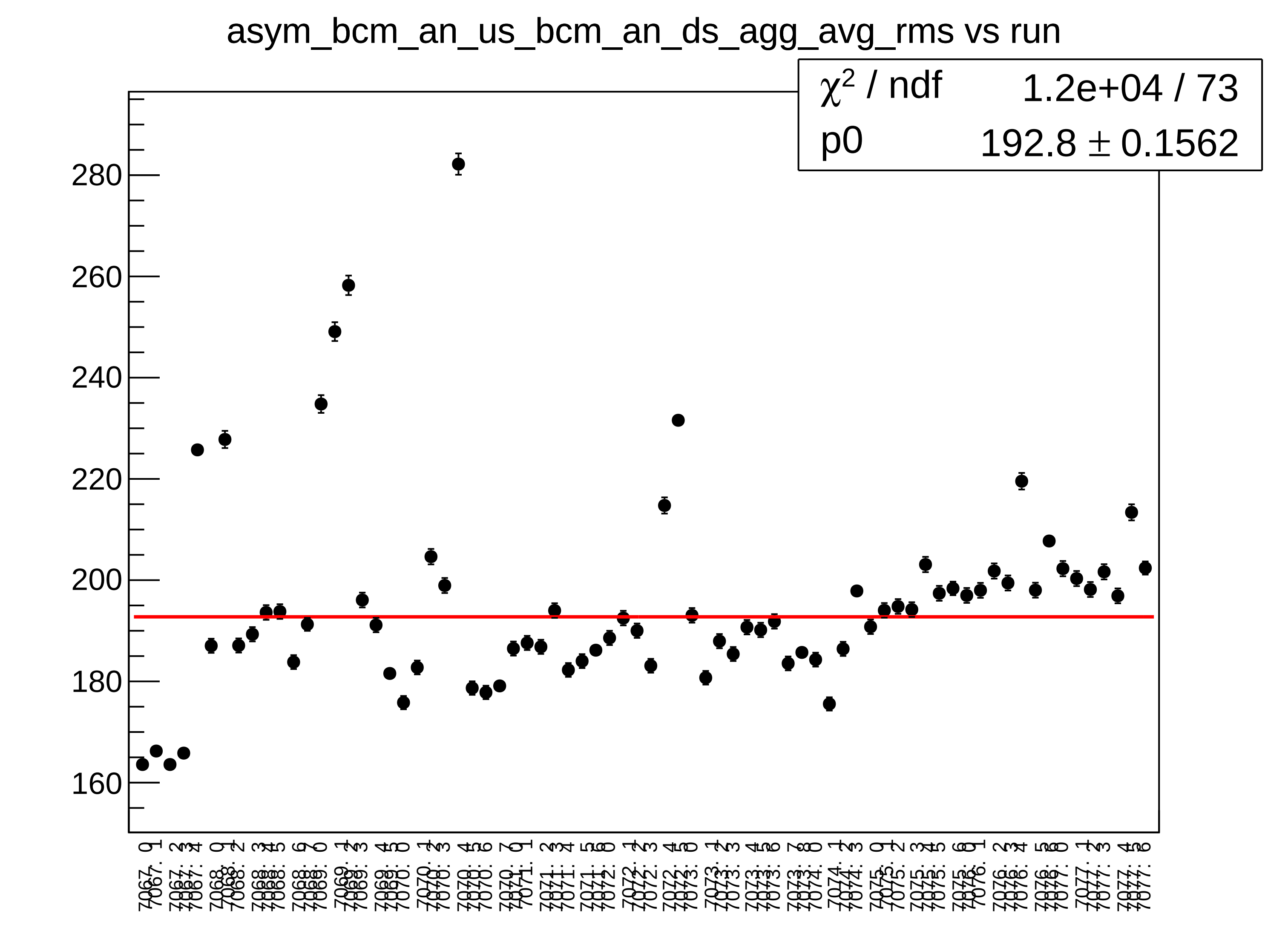


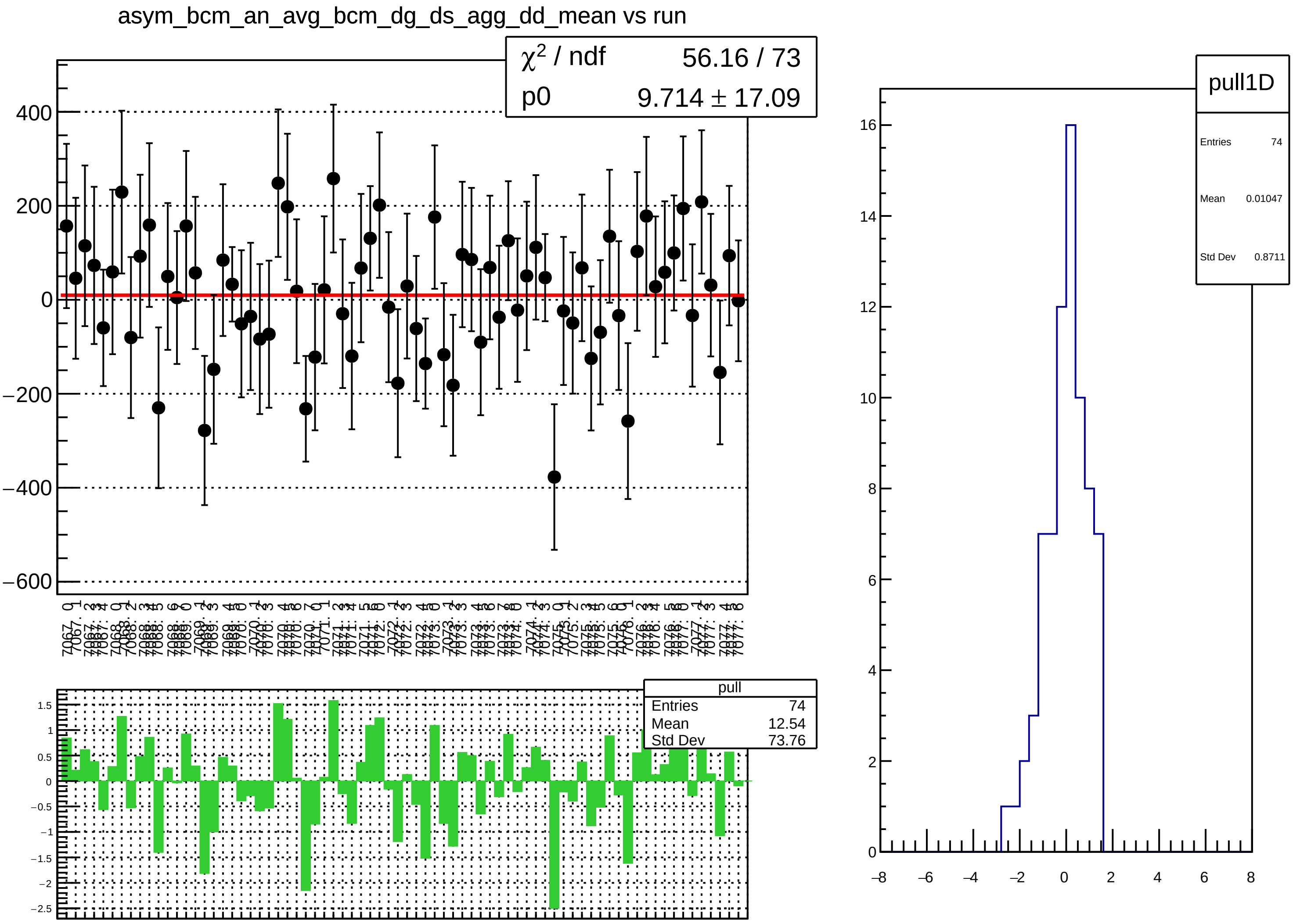
diff_bpm1i06Y_mean vs run
χ2 / ndf 79.03 / 73
p0 −7.096 ± 3.628
pull
Entries 74
Mean 937.9
Std Dev 890.7
pull1D
Entries 74
Mean 0.003334
Std Dev 1.033

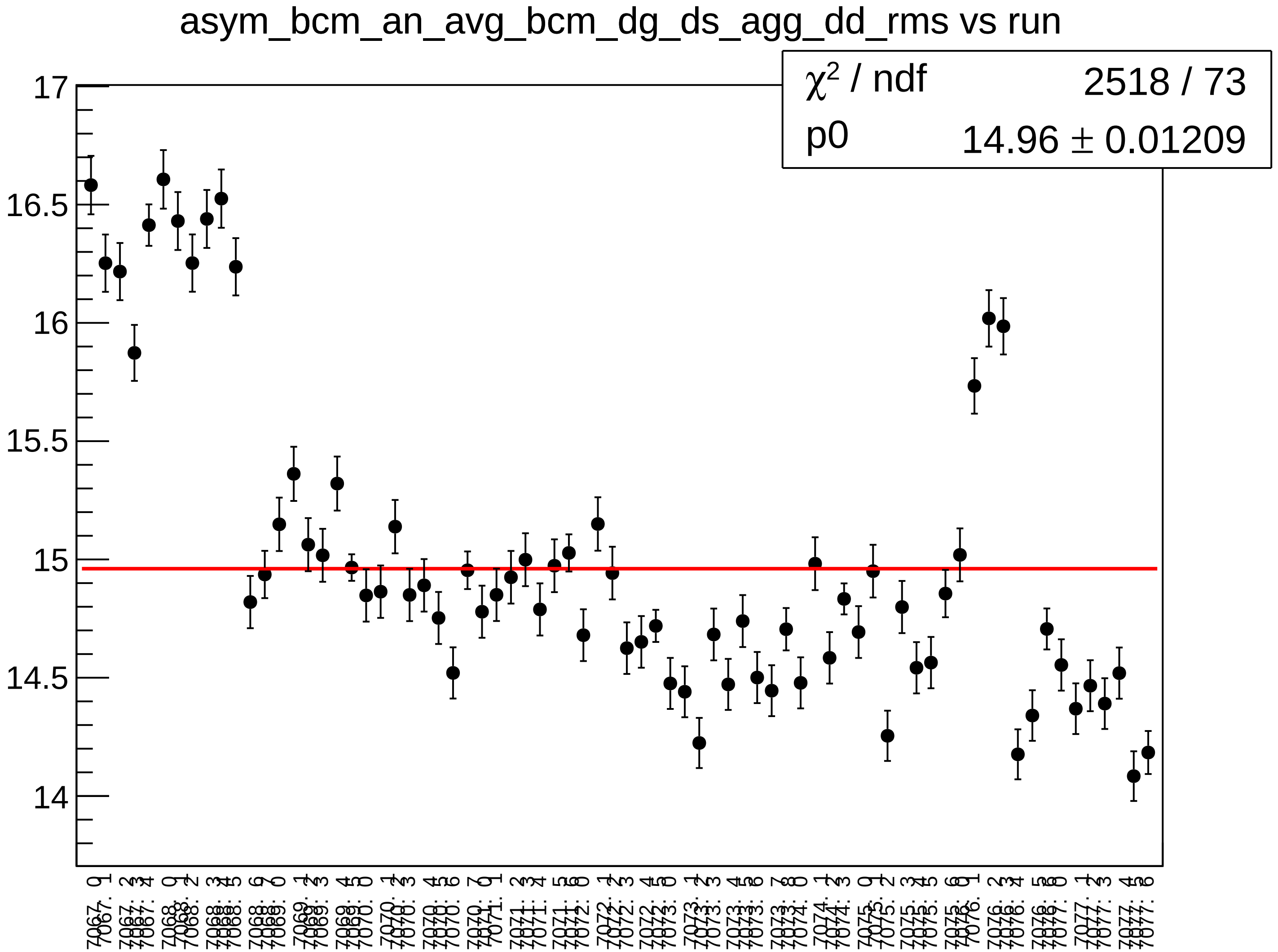


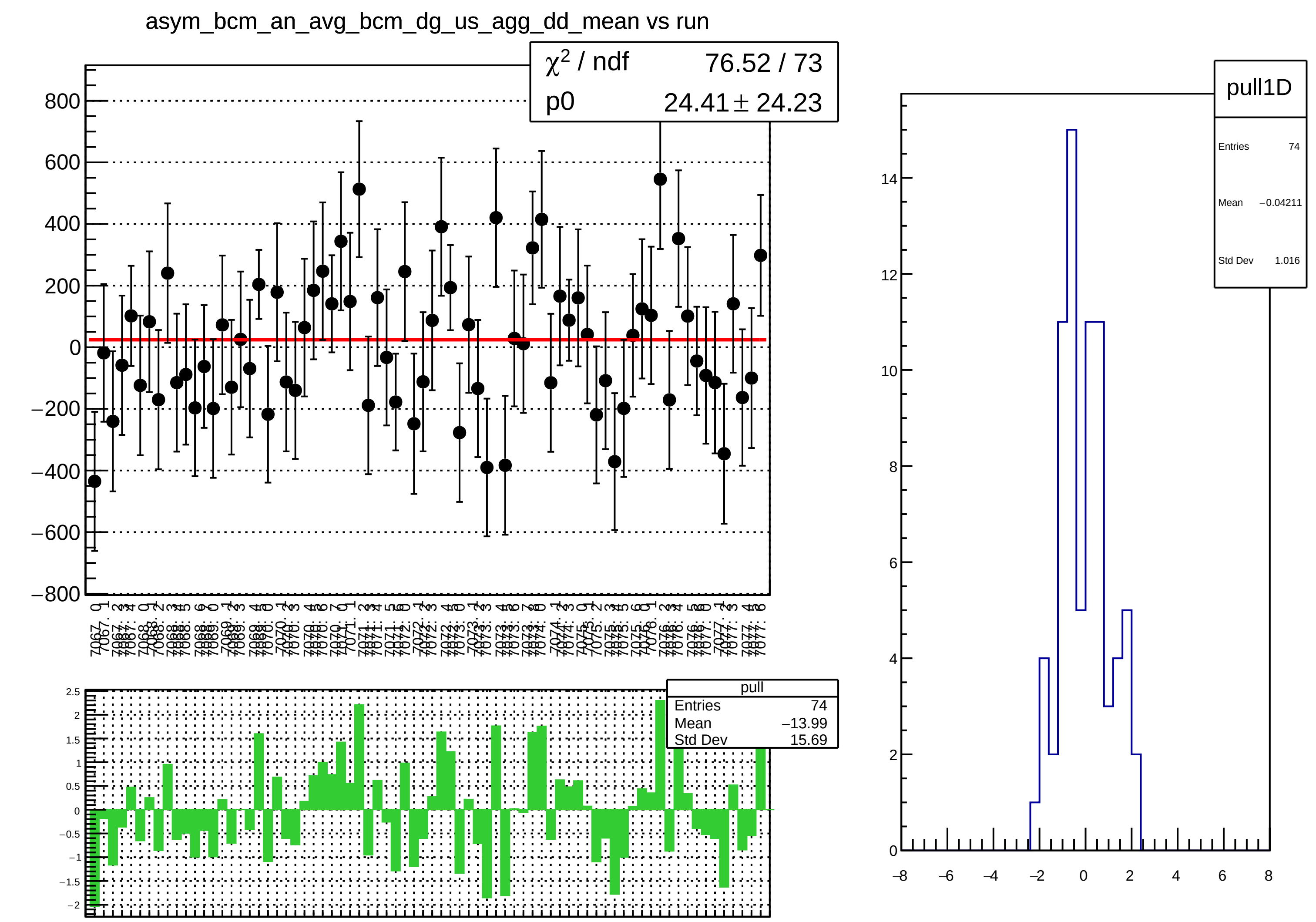
diff_bpm1i06Y_rms vs run
χ2 / ndf
1845 / 73
p0
3177 ± 2.566
3400
3300
3200
3100
3000
2900
2800


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 19.28 / 73
p0 −39.23 ± 220.9
pull
Entries 74
Mean 142.3
Std Dev 95.18
pull1D
Entries 74
Mean −0.01058
Std Dev 0.5103

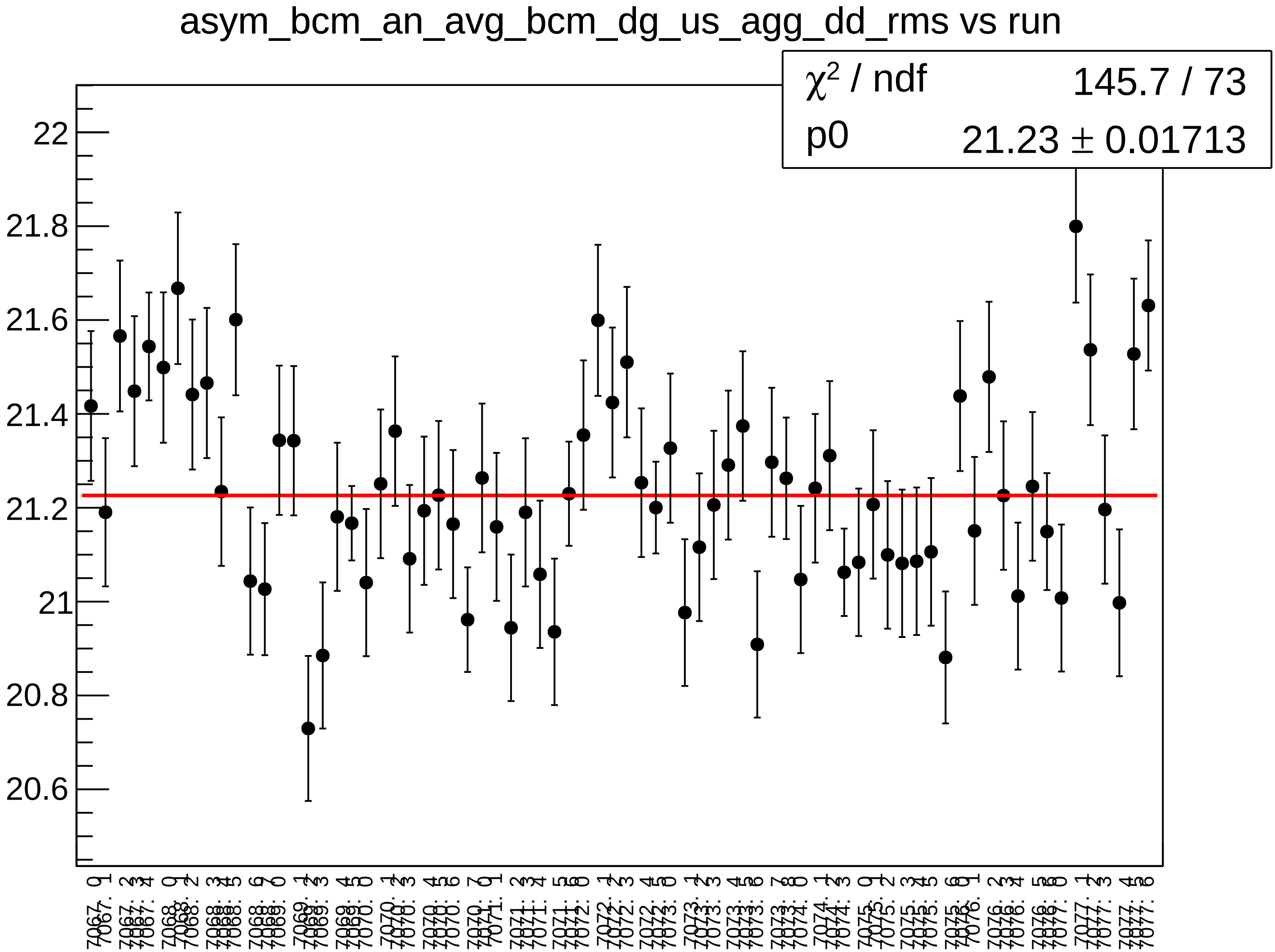

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 1.2e+04 / 73
p0 192.8 ± 0.1562
280
260
240
220
200
180
160


asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 56.16 / 73
p0 9.714 ± 17.09
400
200
0
−200
−400
−600
pull
Entries 74
Mean 12.54
Std Dev 73.76
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 74
Mean 0.01047
Std Dev 0.8711
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

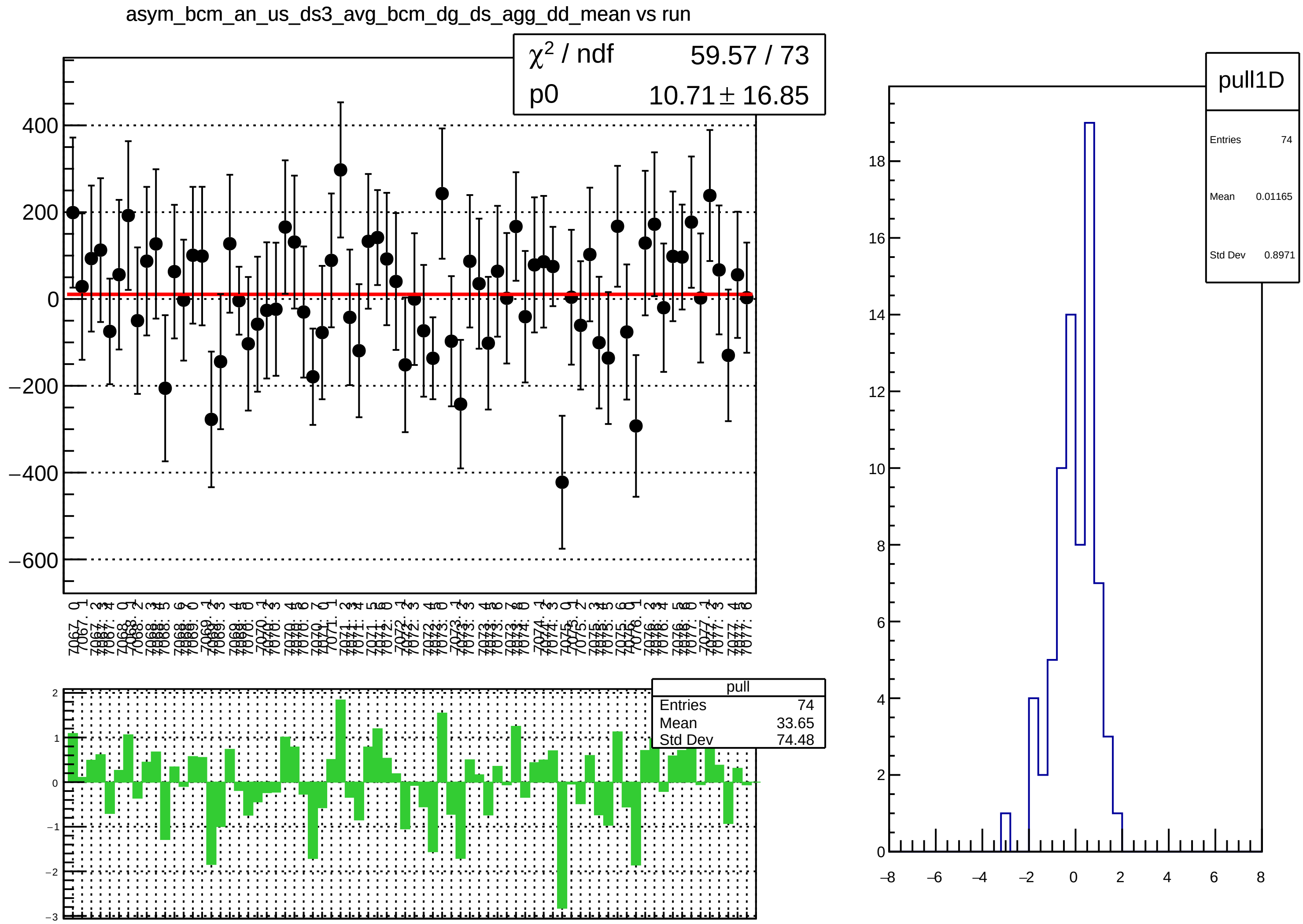

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 2518 / 73
p0 14.96 ± 0.01209
17
16.5
16
15.5
15
14.5
14

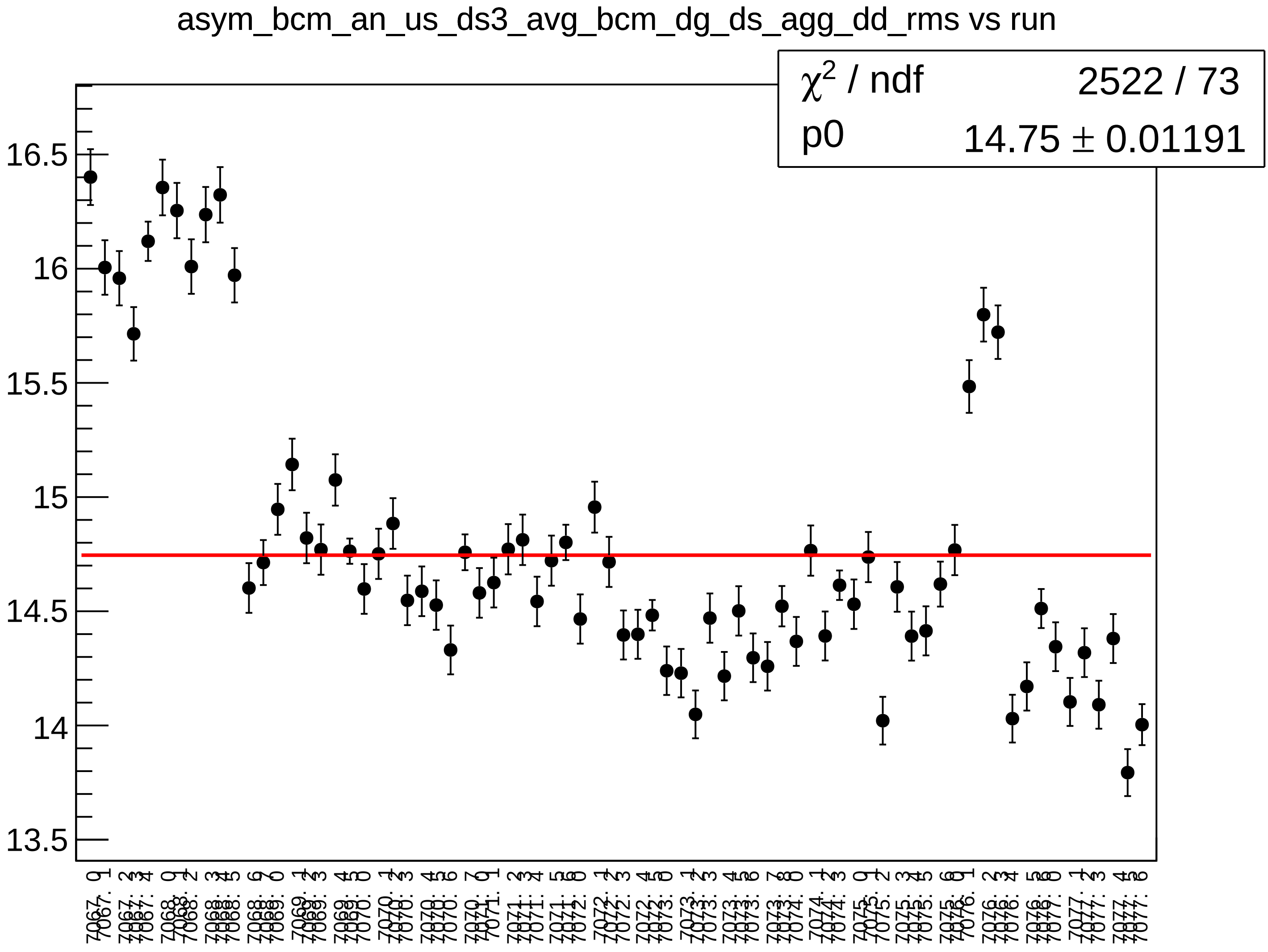


asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ^2 / ndf 76.52 / 73
p0 24.41 ± 24.23
800
600
400
200
0
−200
−400
−600
−800
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull
Entries 74
Mean −13.99
Std Dev 15.69
pull1D
Entries 74
Mean −0.04211
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

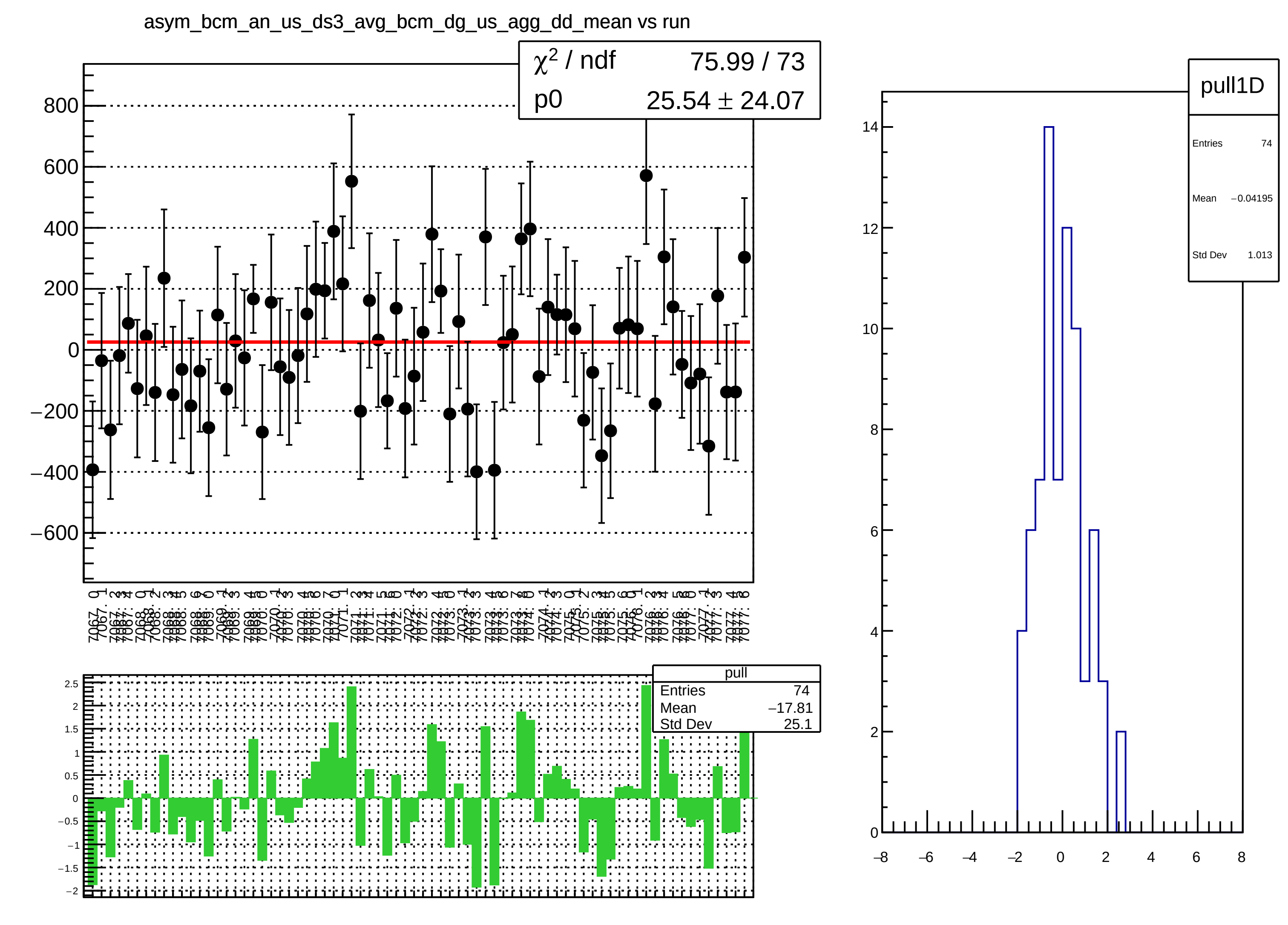


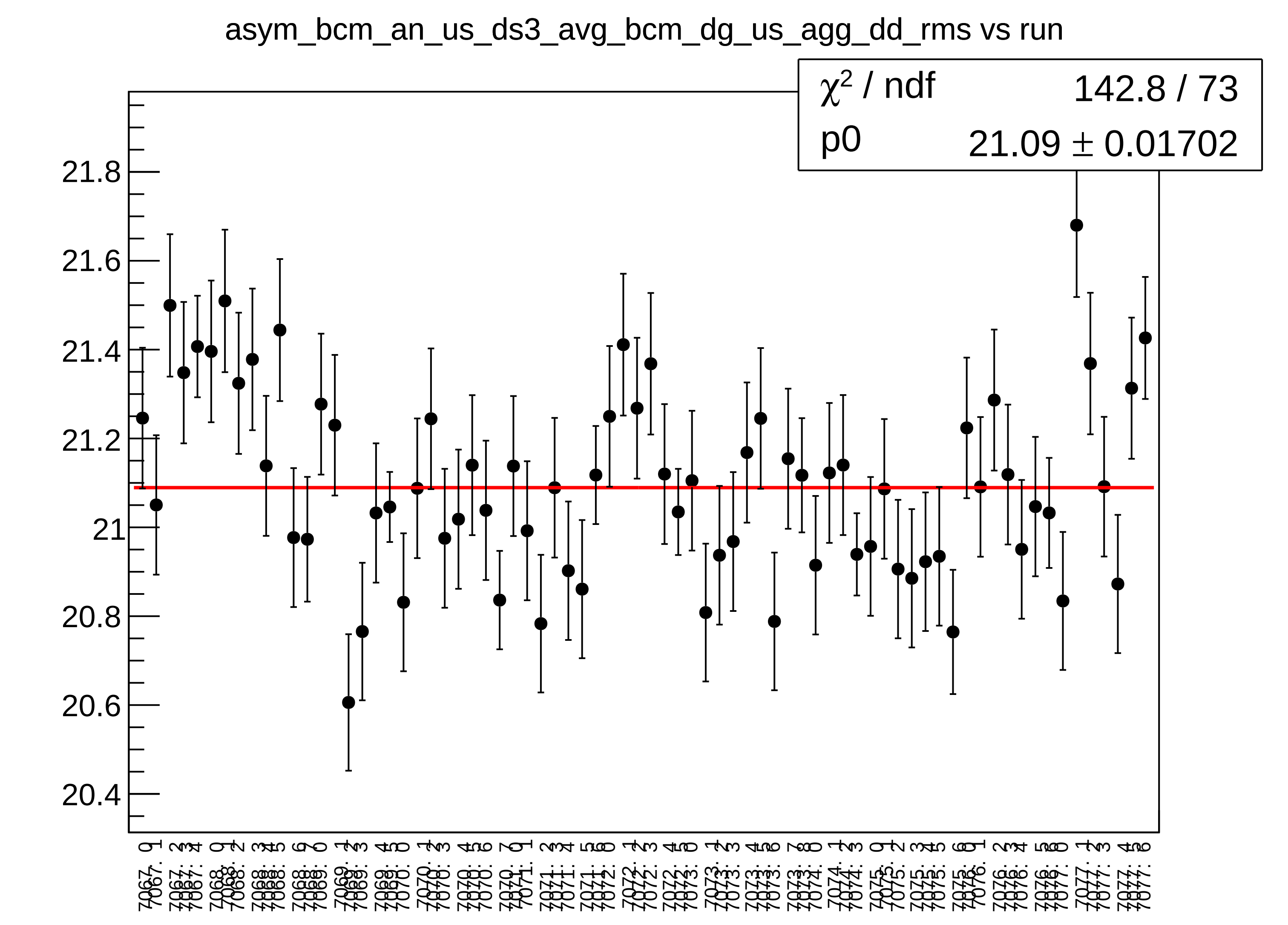
asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ^2 / ndf 145.7 / 73
p0 21.23 ± 0.01713
22
21.8
21.6
21.4
21.2
21
20.8
20.6


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 59.57 / 73
p0 10.71 ± 16.85
400
200
0
−200
−400
−600
pull
Entries 74
Mean 33.65
Std Dev 74.48
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean 0.01165
Std Dev 0.8971
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

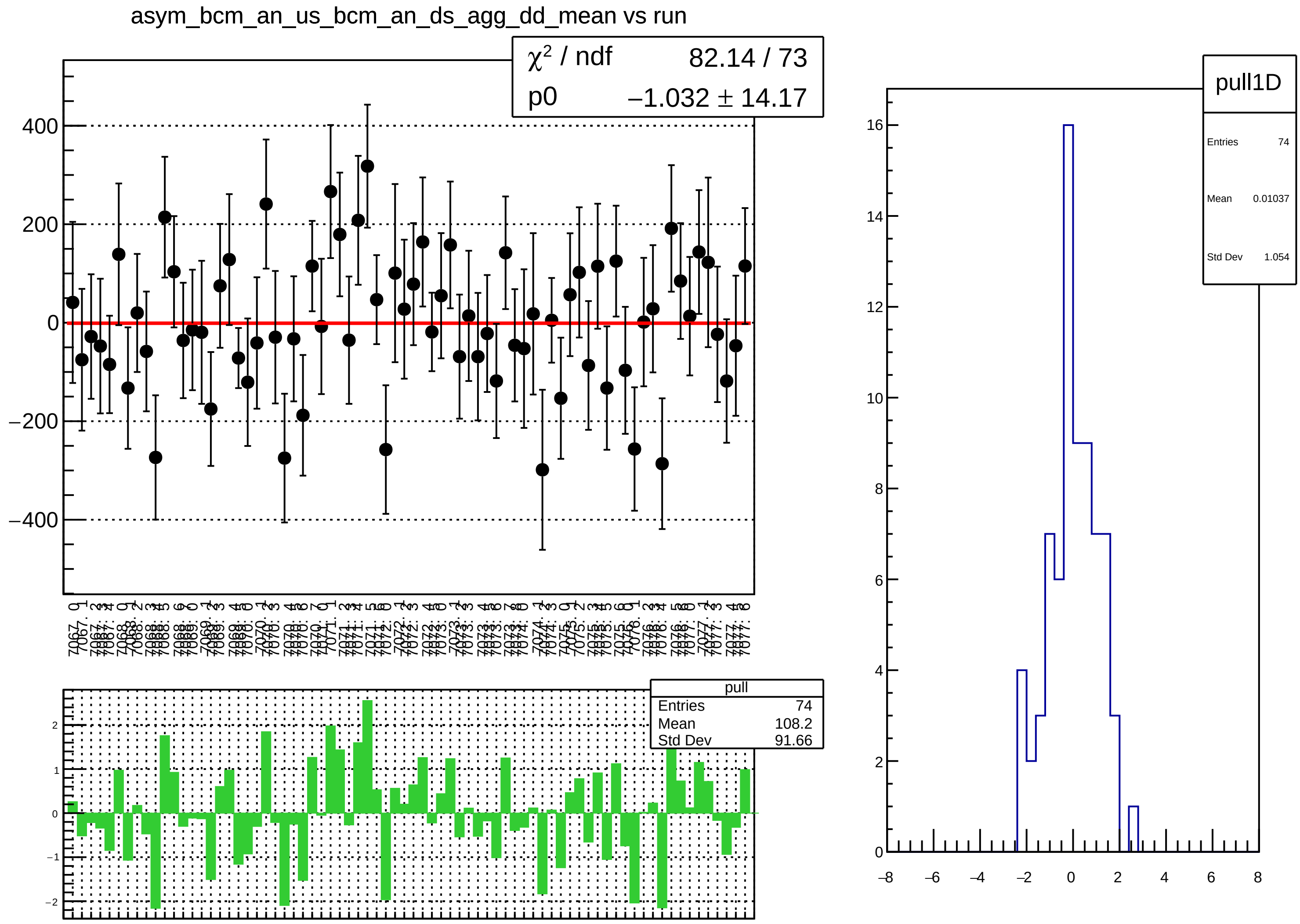


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ2 / ndf 2522 / 73
p0 14.75 ± 0.01191
16.5
16
15.5
15
14.5
14
13.5

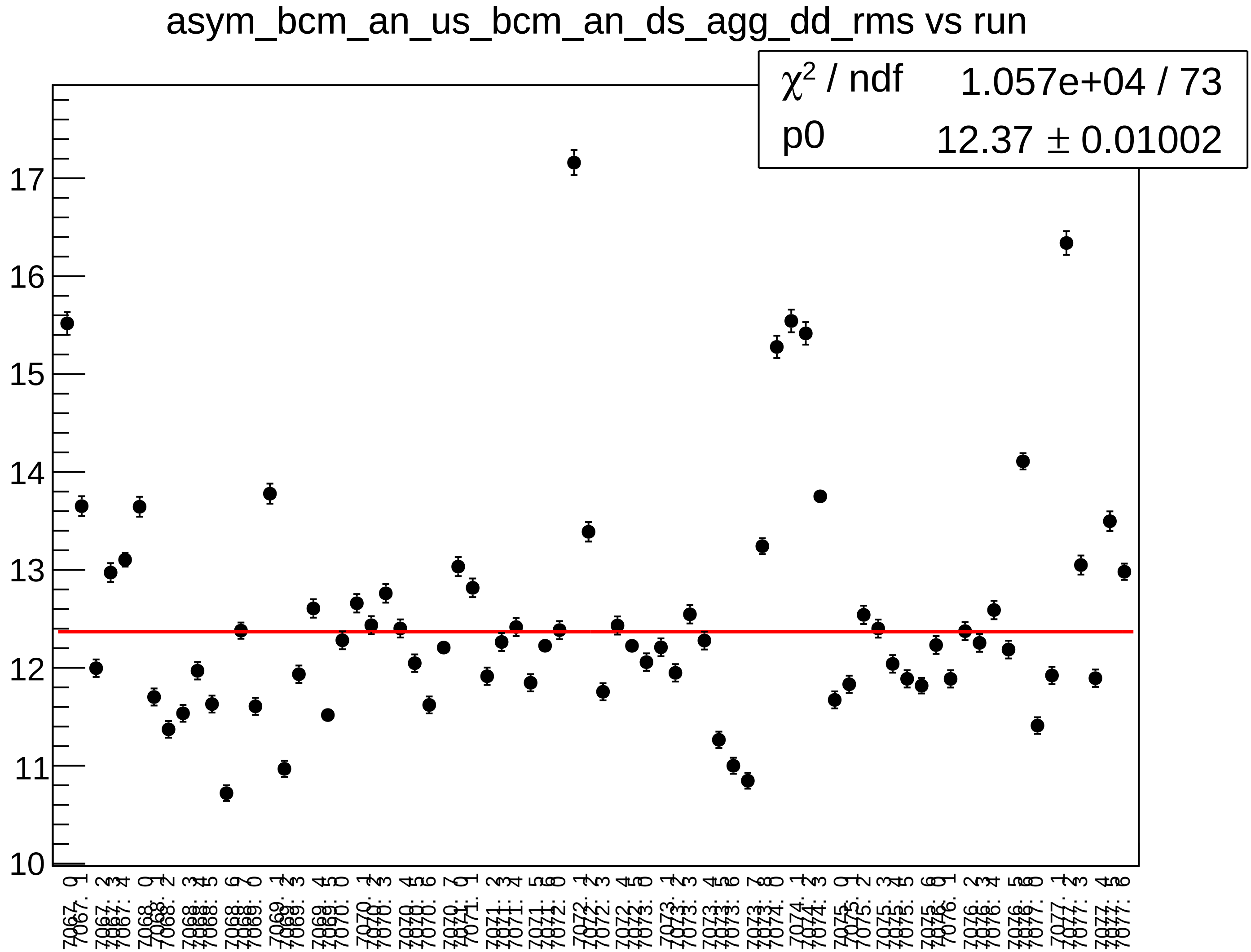

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ^2 / ndf 75.99 / 73
p0 25.54 ± 24.07
pull
Entries 74
Mean −17.81
Std Dev 25.1
pull1D
Entries 74
Mean −0.04195
Std Dev 1.013



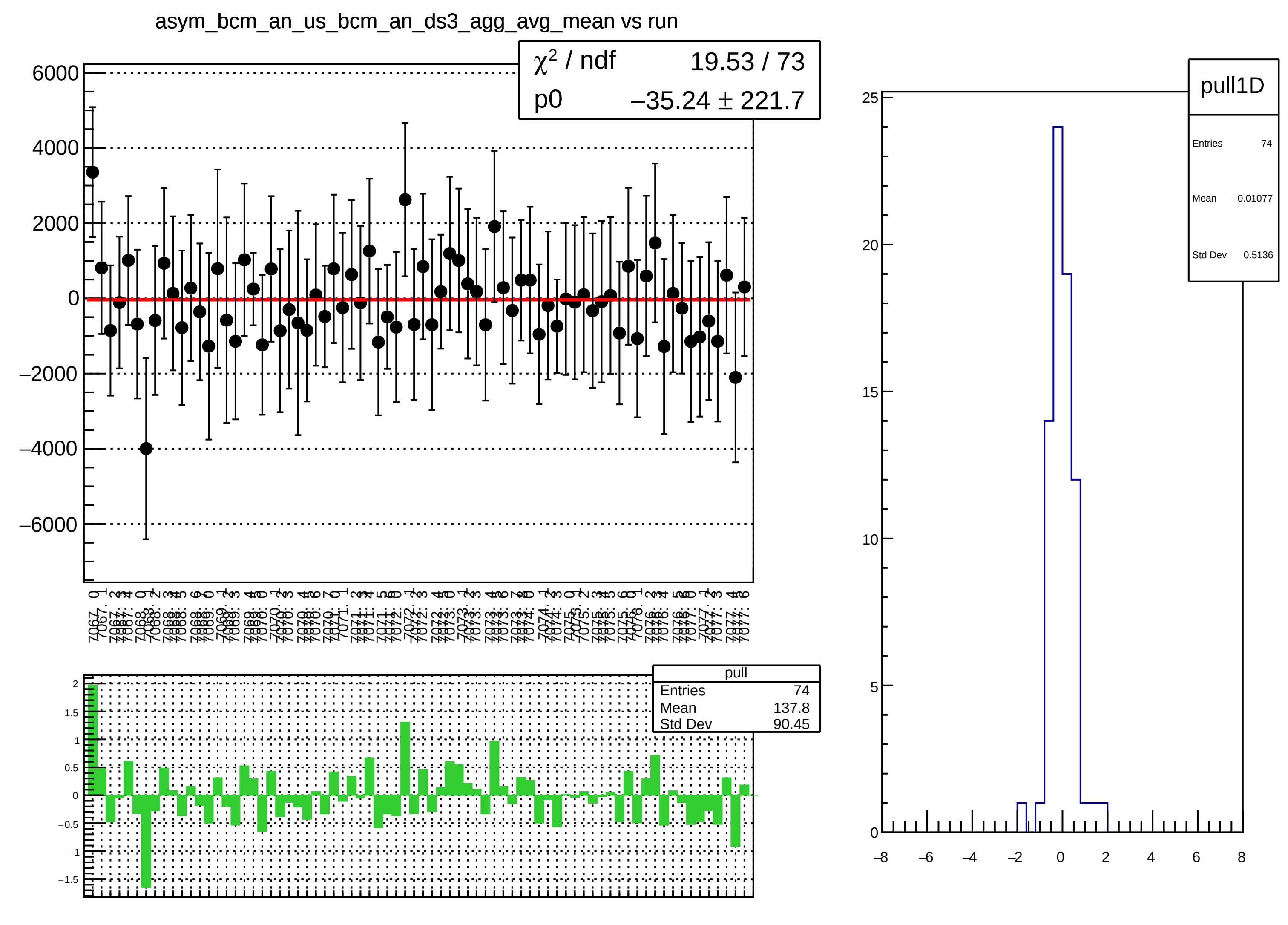
asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ^2 / ndf 142.8 / 73
p0 21.09 ± 0.01702



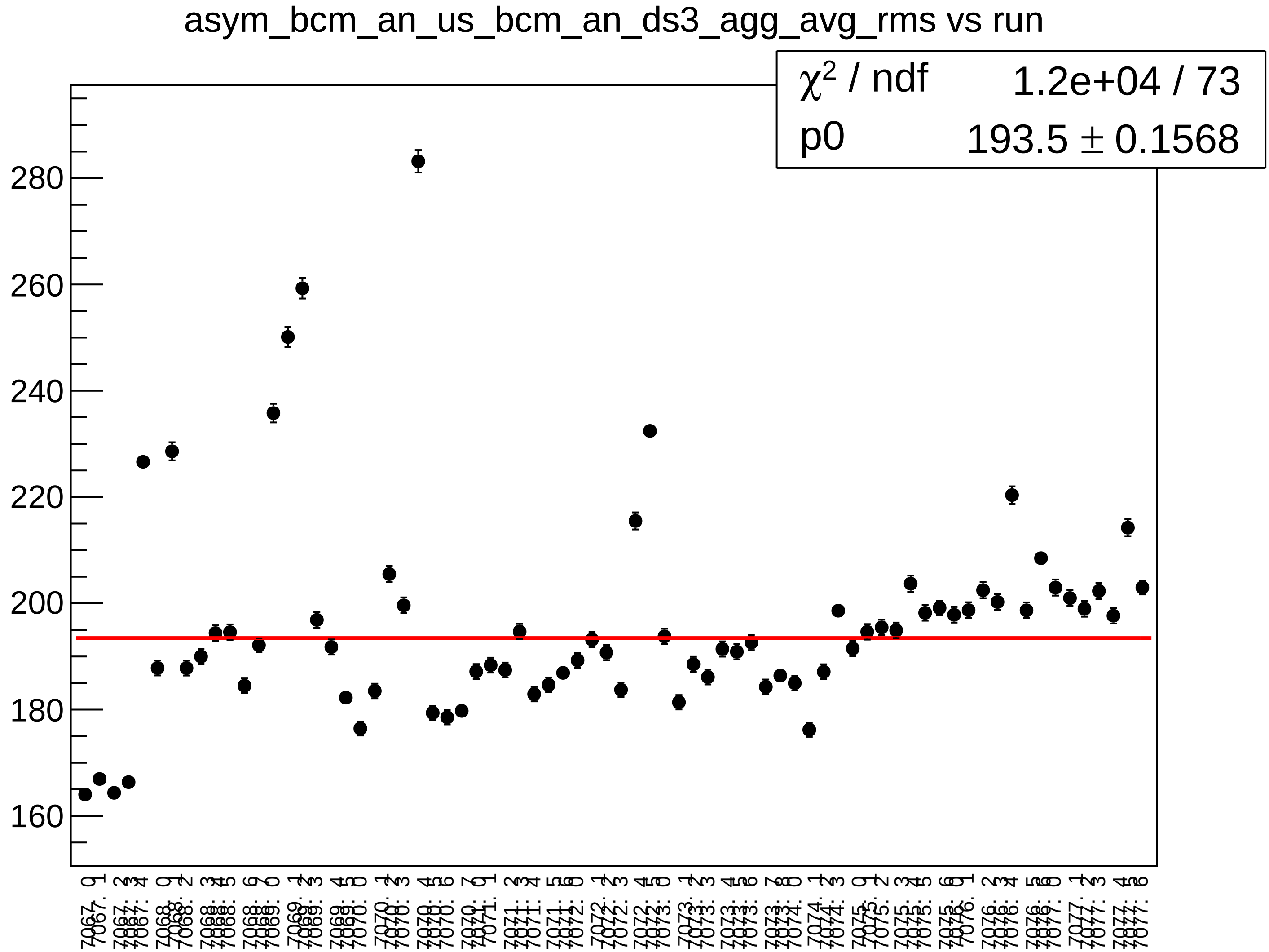
asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 82.14 / 73
p0 −1.032 ± 14.17
pull
Entries 74
Mean 108.2
Std Dev 91.66
pull1D
Entries 74
Mean 0.01037
Std Dev 1.054

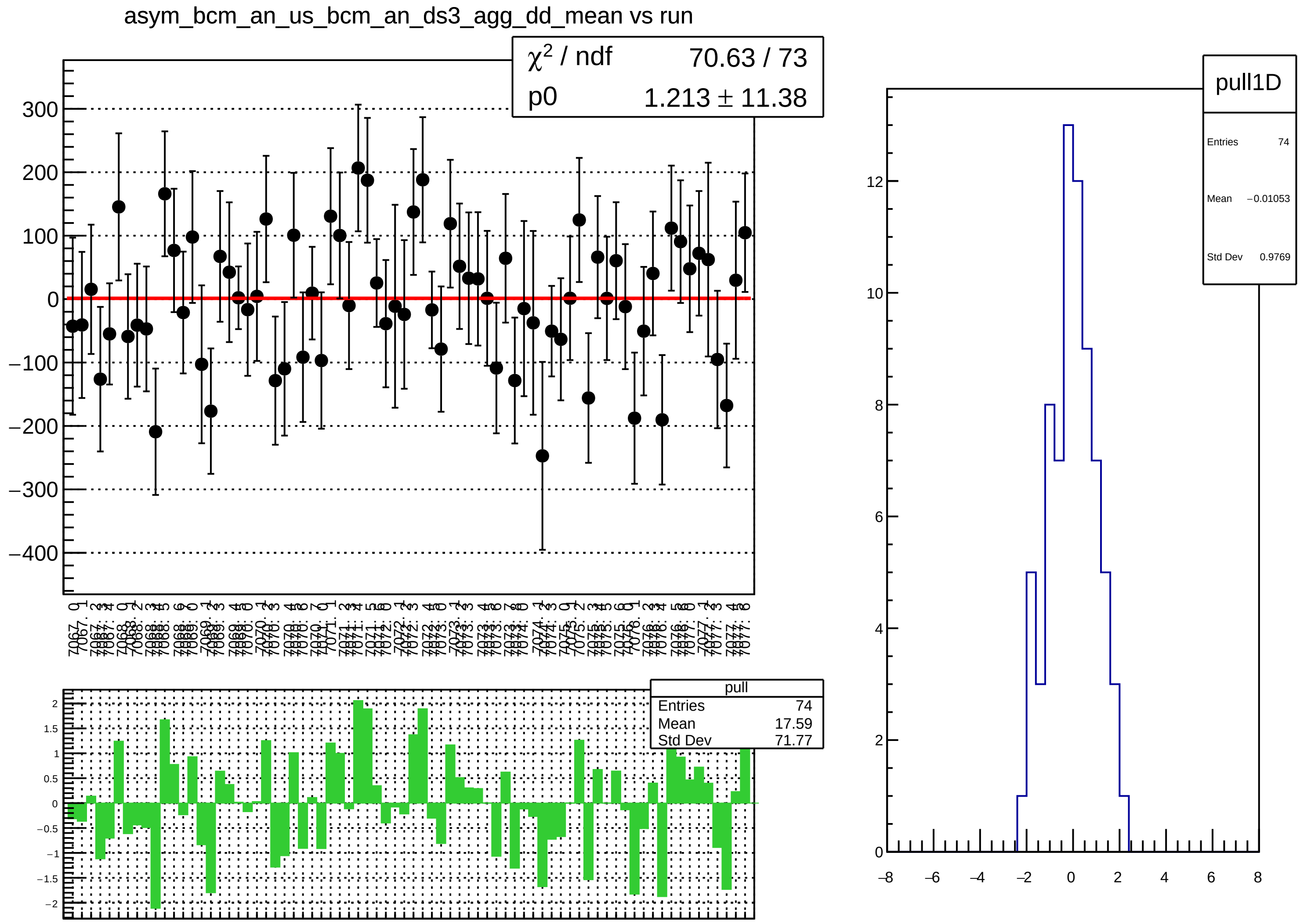


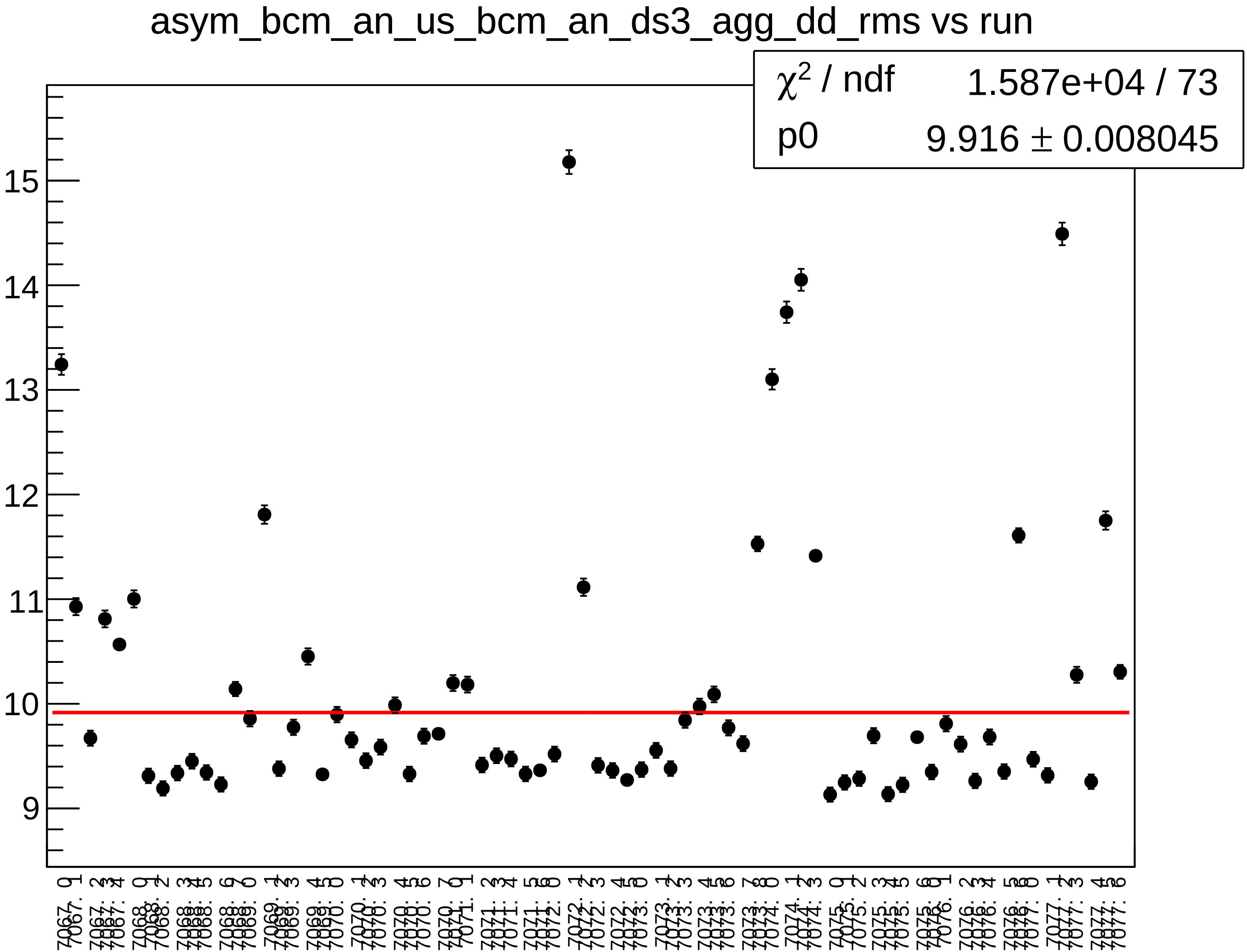
asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ2 / ndf 1.057e+04 / 73
p0 12.37 ± 0.01002
17
16
15
14
13
12
11
10

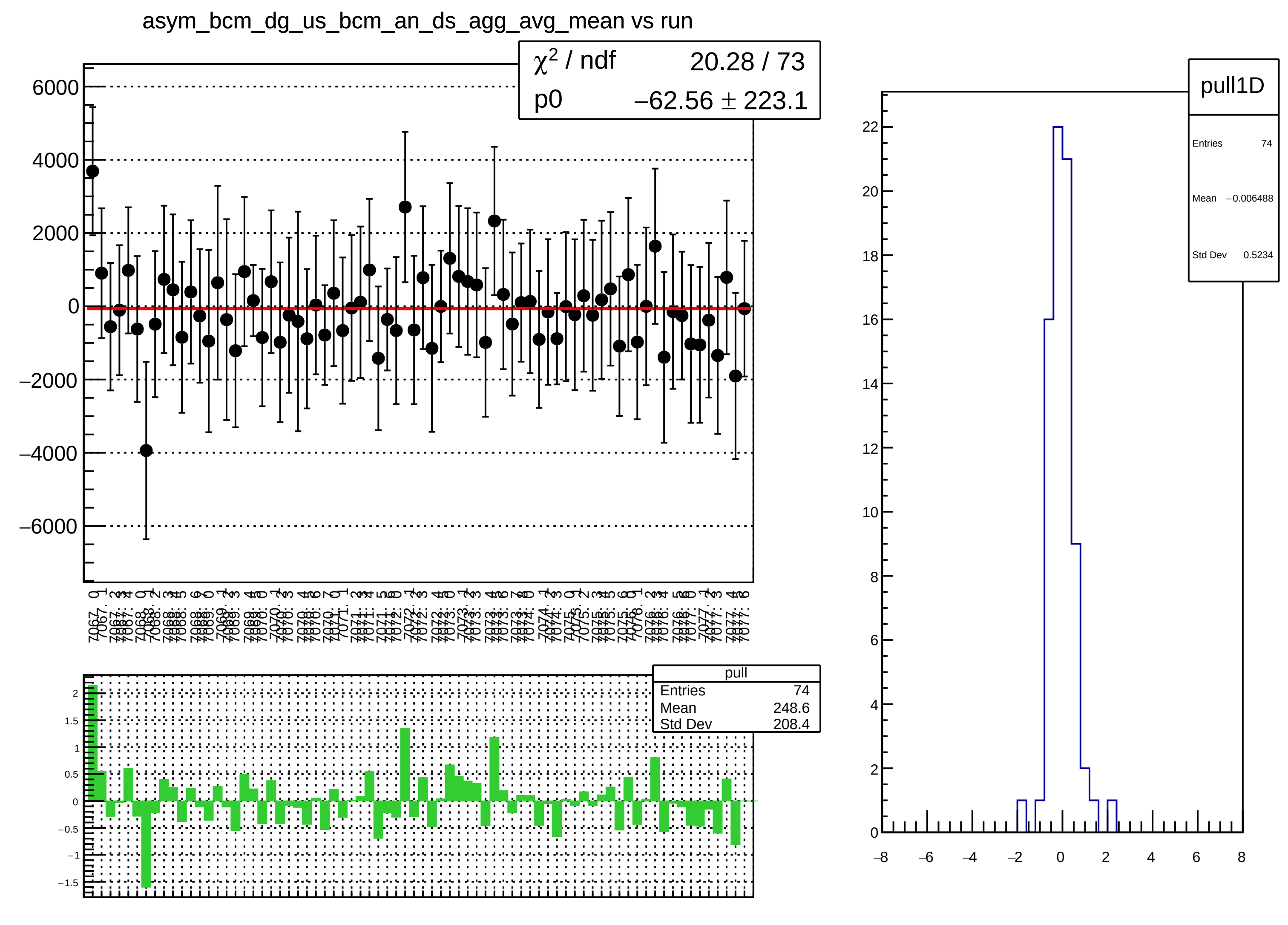


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ2 / ndf 19.53 / 73
p0 −35.24 ± 221.7
pull
Entries 74
Mean 137.8
Std Dev 90.45
pull1D
Entries 74
Mean −0.01077
Std Dev 0.5136

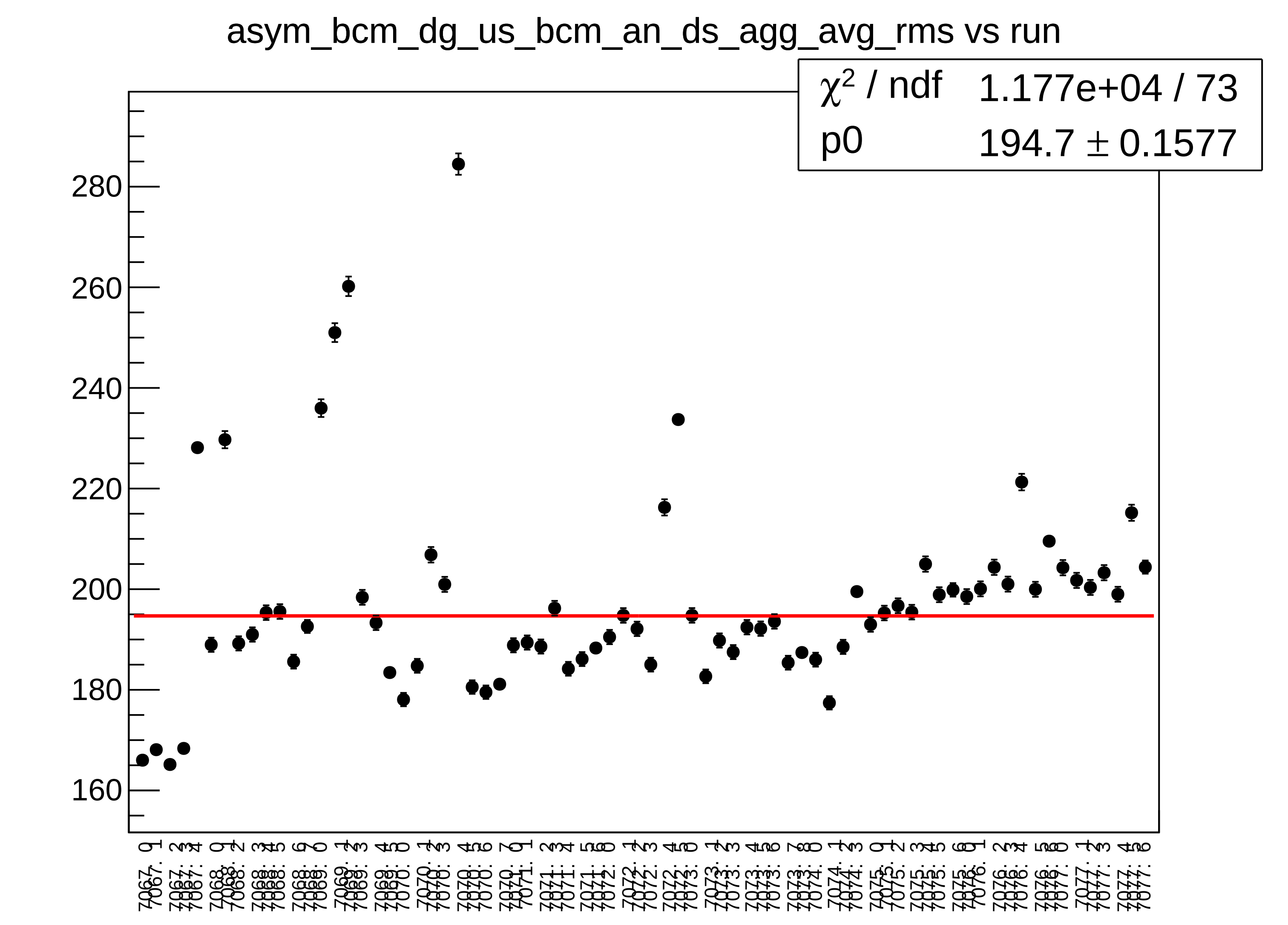

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ^2 / ndf 1.2e+04 / 73
p0 193.5 ± 0.1568
280
260
240
220
200
180
160


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ^2 / ndf 70.63 / 73
p0 1.213 ± 11.38
pull
Entries 74
Mean 17.59
Std Dev 71.77
pull1D
Entries 74
Mean −0.01053
Std Dev 0.9769

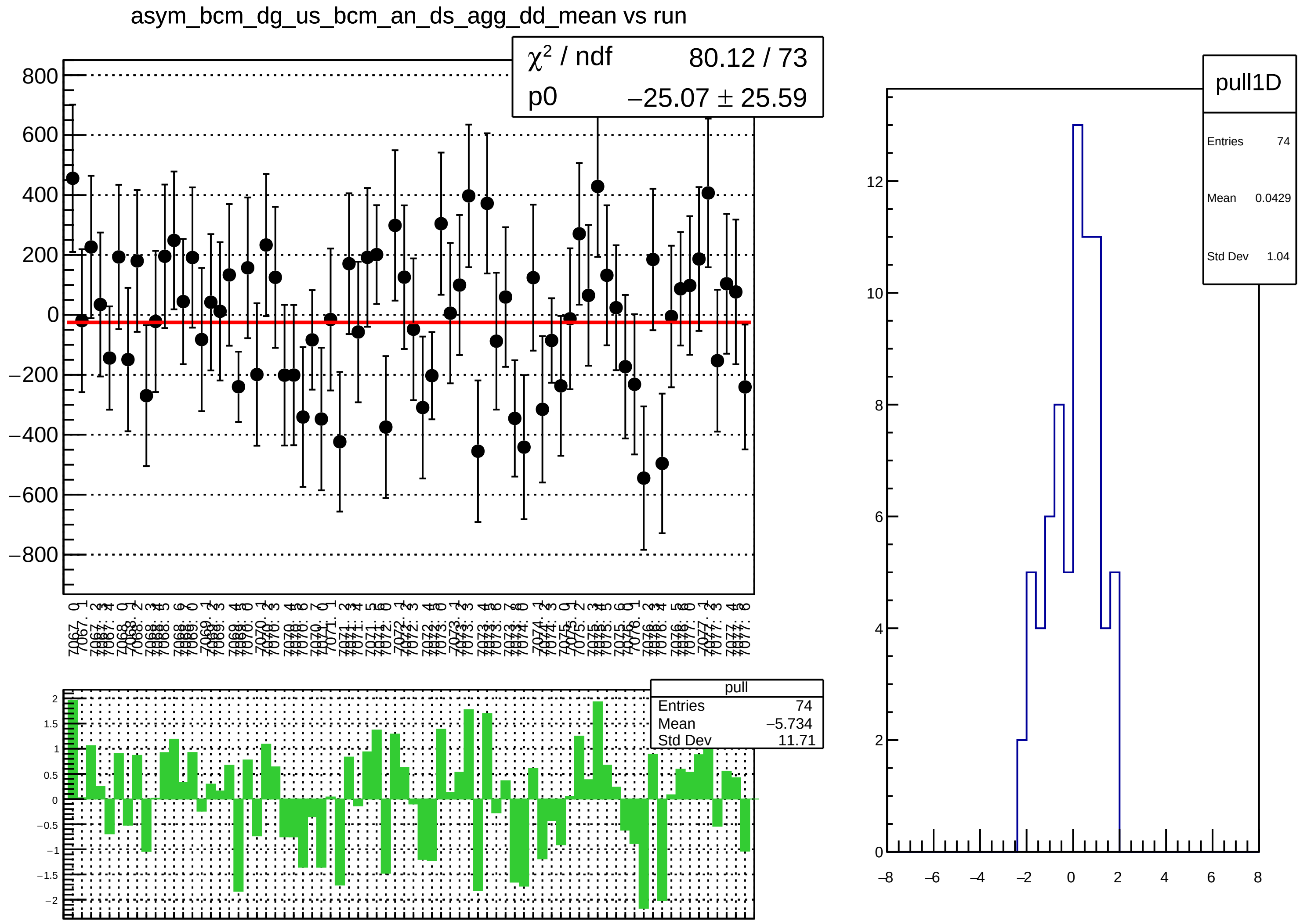

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ^2 / ndf 1.587e+04 / 73
p0 9.916 ± 0.008045
15
14
13
12
11
10
9

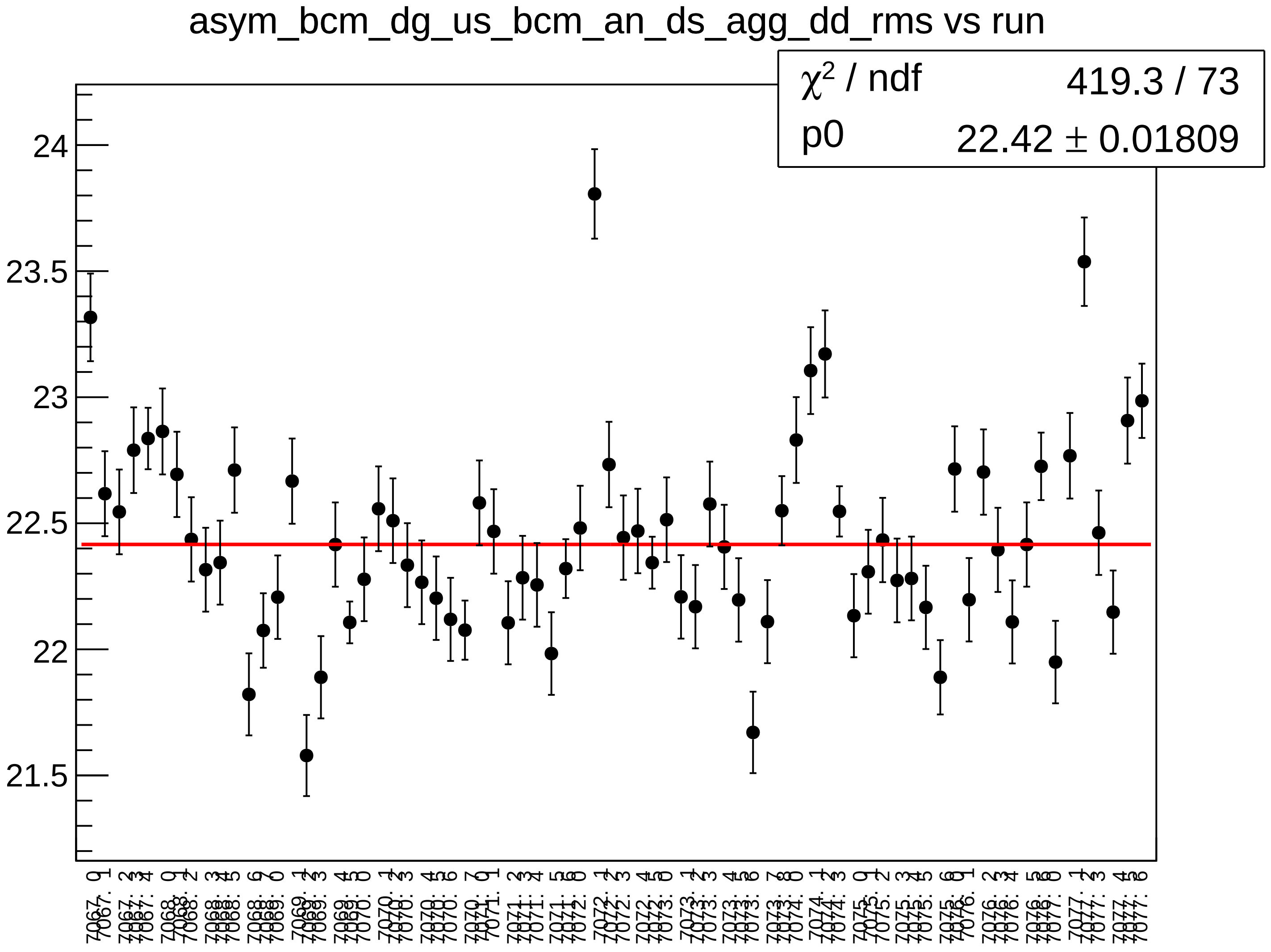


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 20.28 / 73
p0 −62.56 ± 223.1
pull
Entries 74
Mean 248.6
Std Dev 208.4
pull1D
Entries 74
Mean −0.006488
Std Dev 0.5234

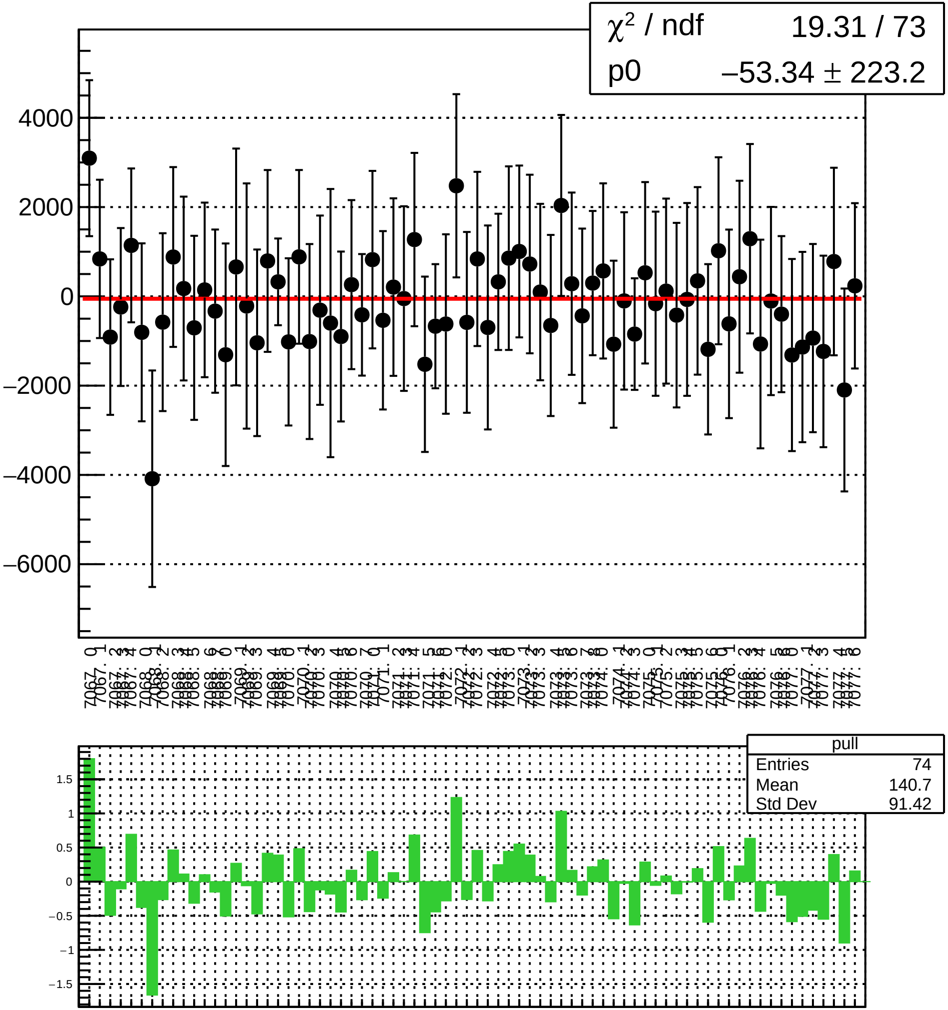


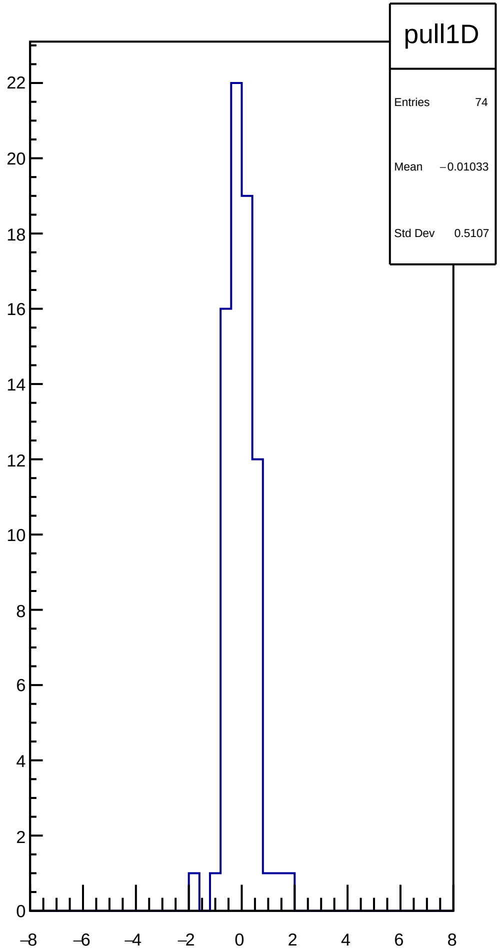
asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 1.177e+04 / 73
p0 194.7 ± 0.1577
280
260
240
220
200
180
160

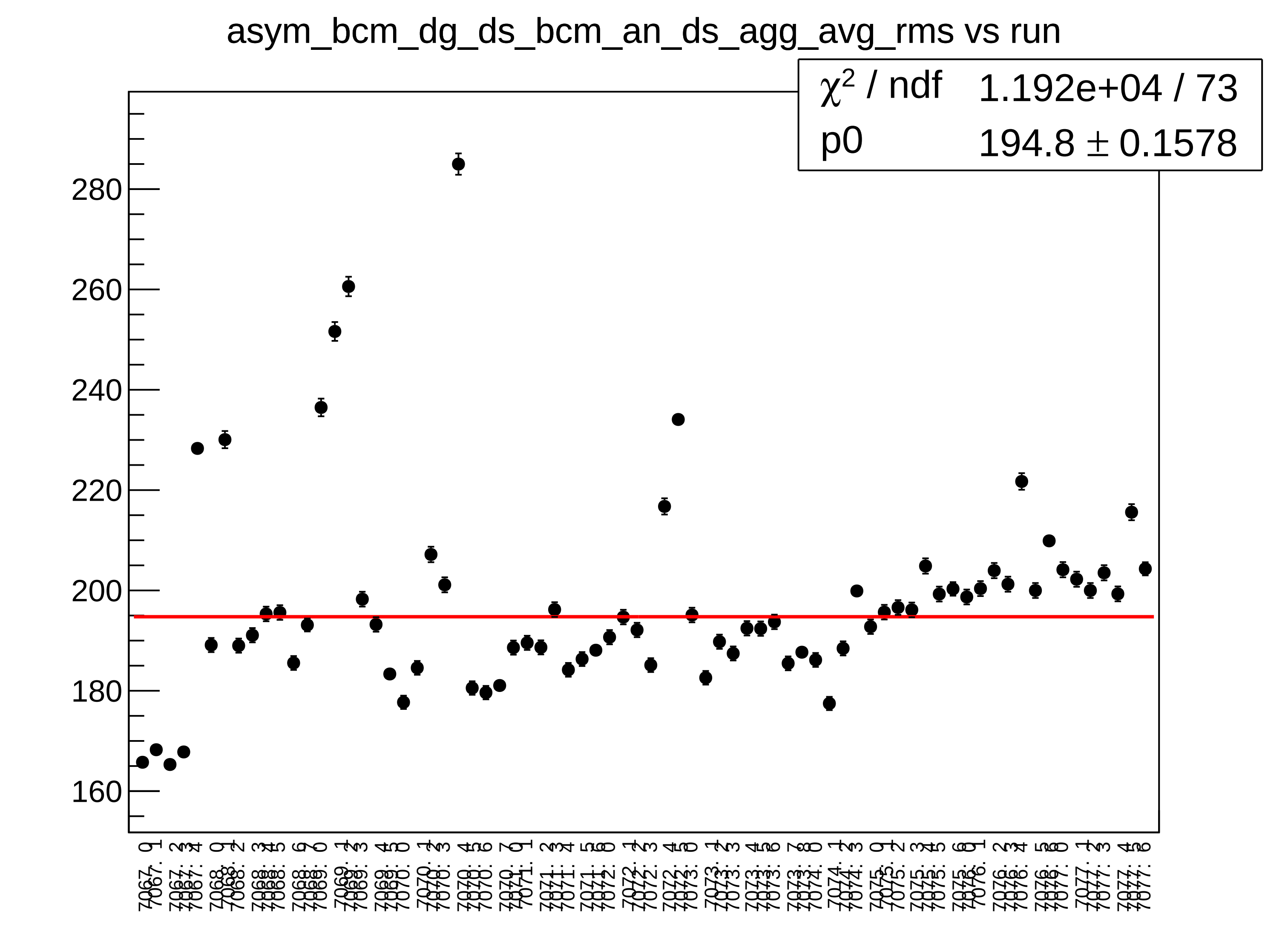

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 80.12 / 73
p0 −25.07 ± 25.59
pull
Entries 74
Mean −5.734
Std Dev 11.71
pull1D
Entries 74
Mean 0.0429
Std Dev 1.04

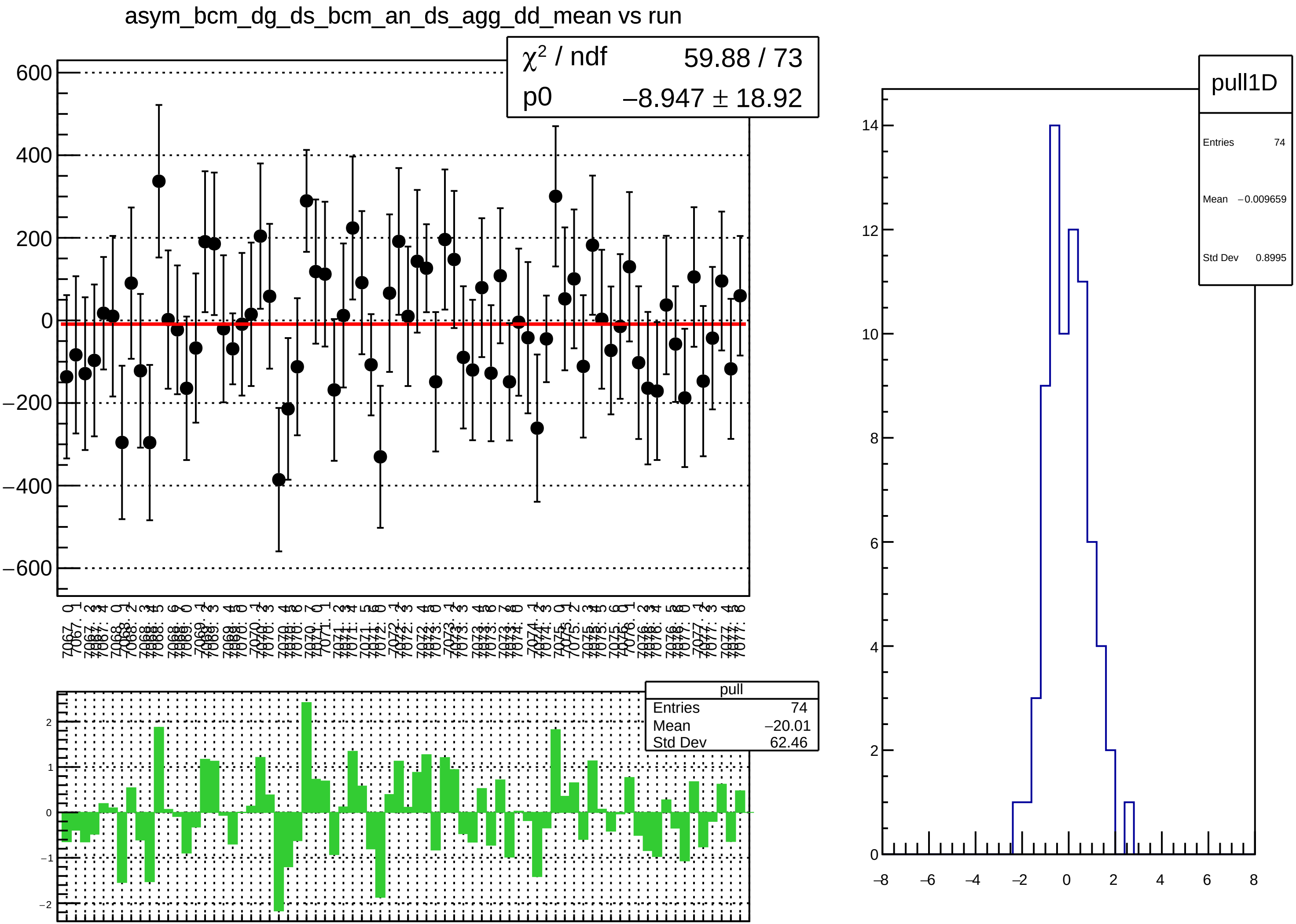

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ2 / ndf 419.3 / 73
p0 22.42 ± 0.01809
24
23.5
23
22.5
22
21.5

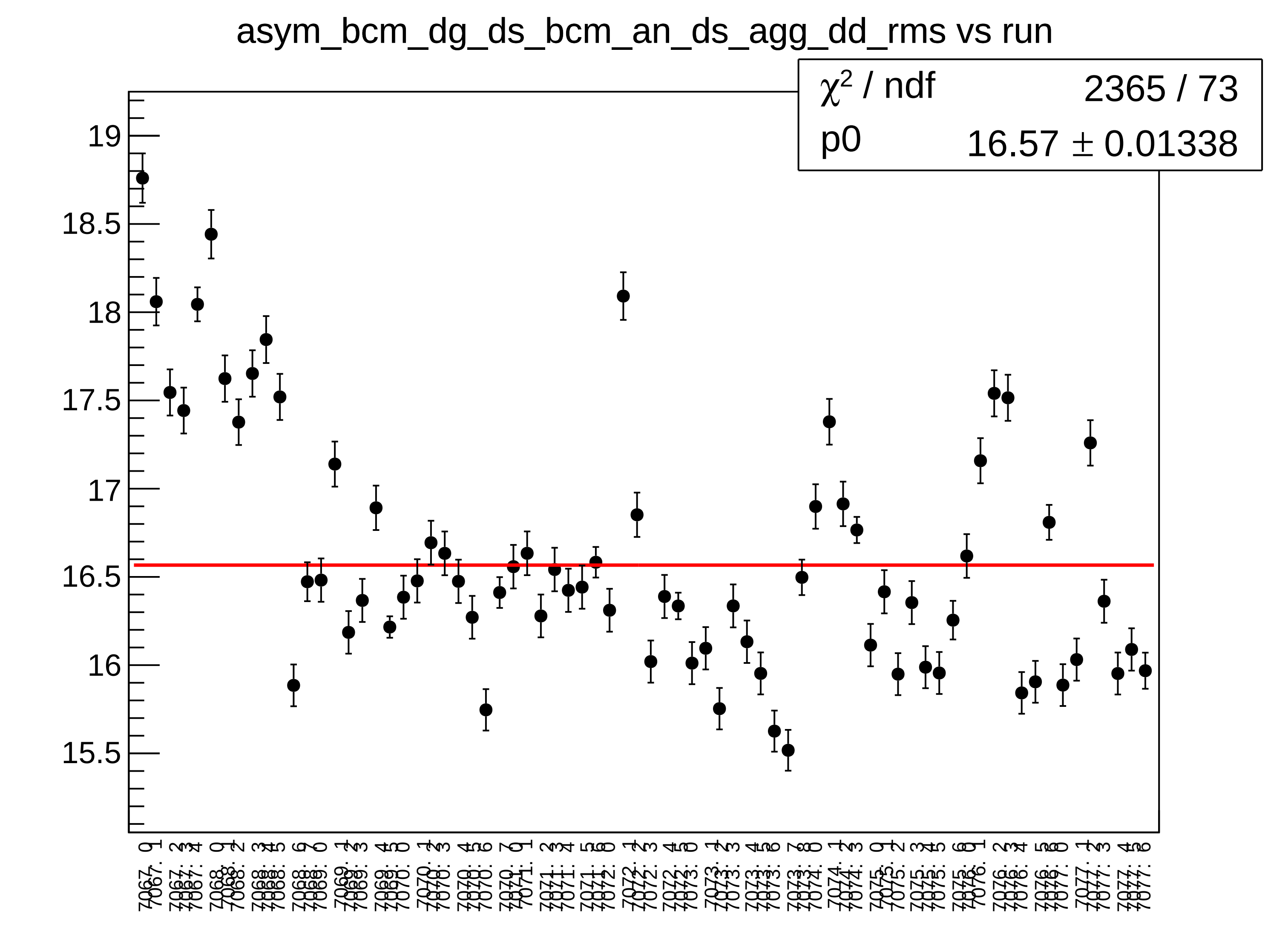
asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run



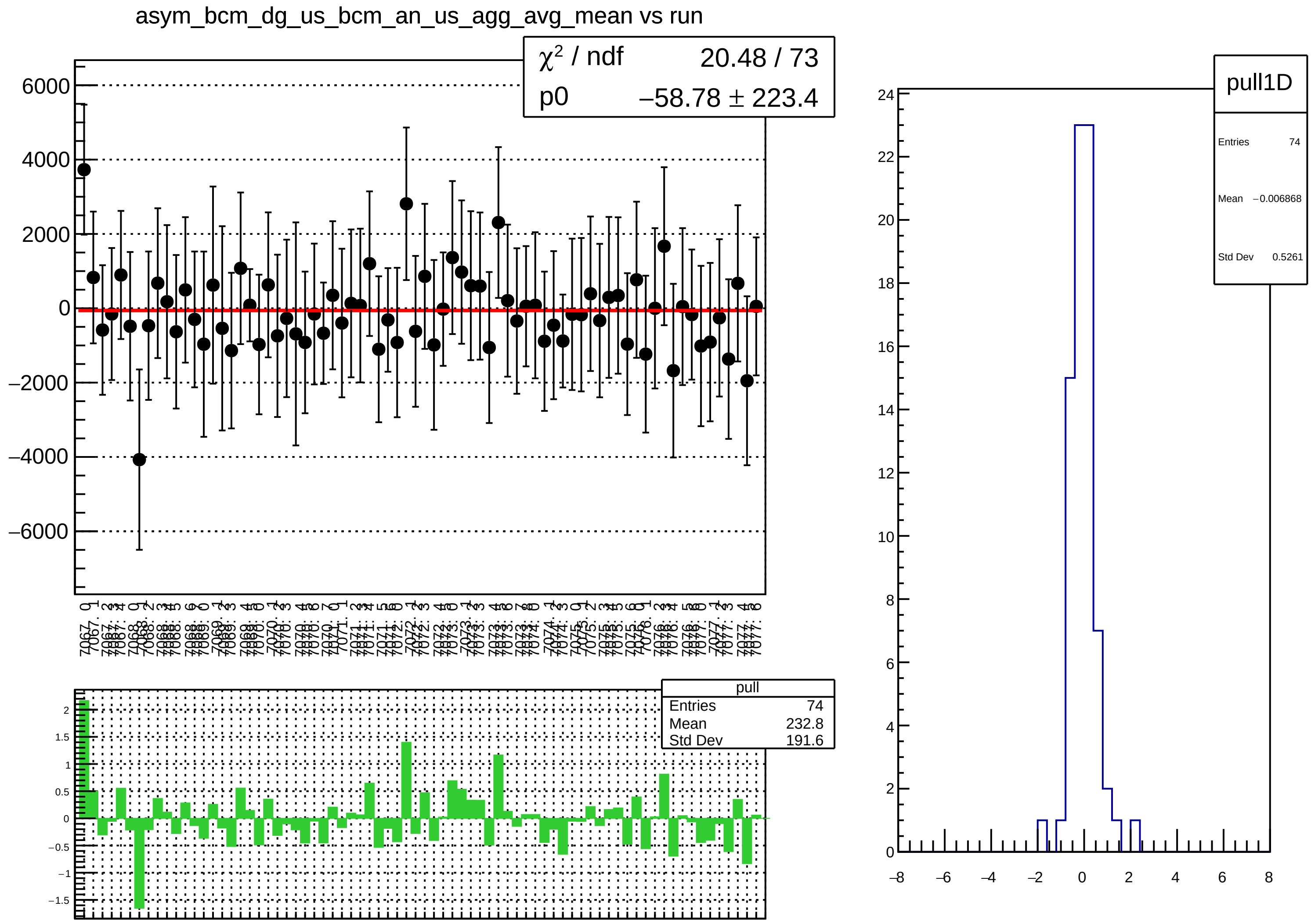



asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 1.192e+04 / 73
p0 194.8 ± 0.1578
280
260
240
220
200
180
160

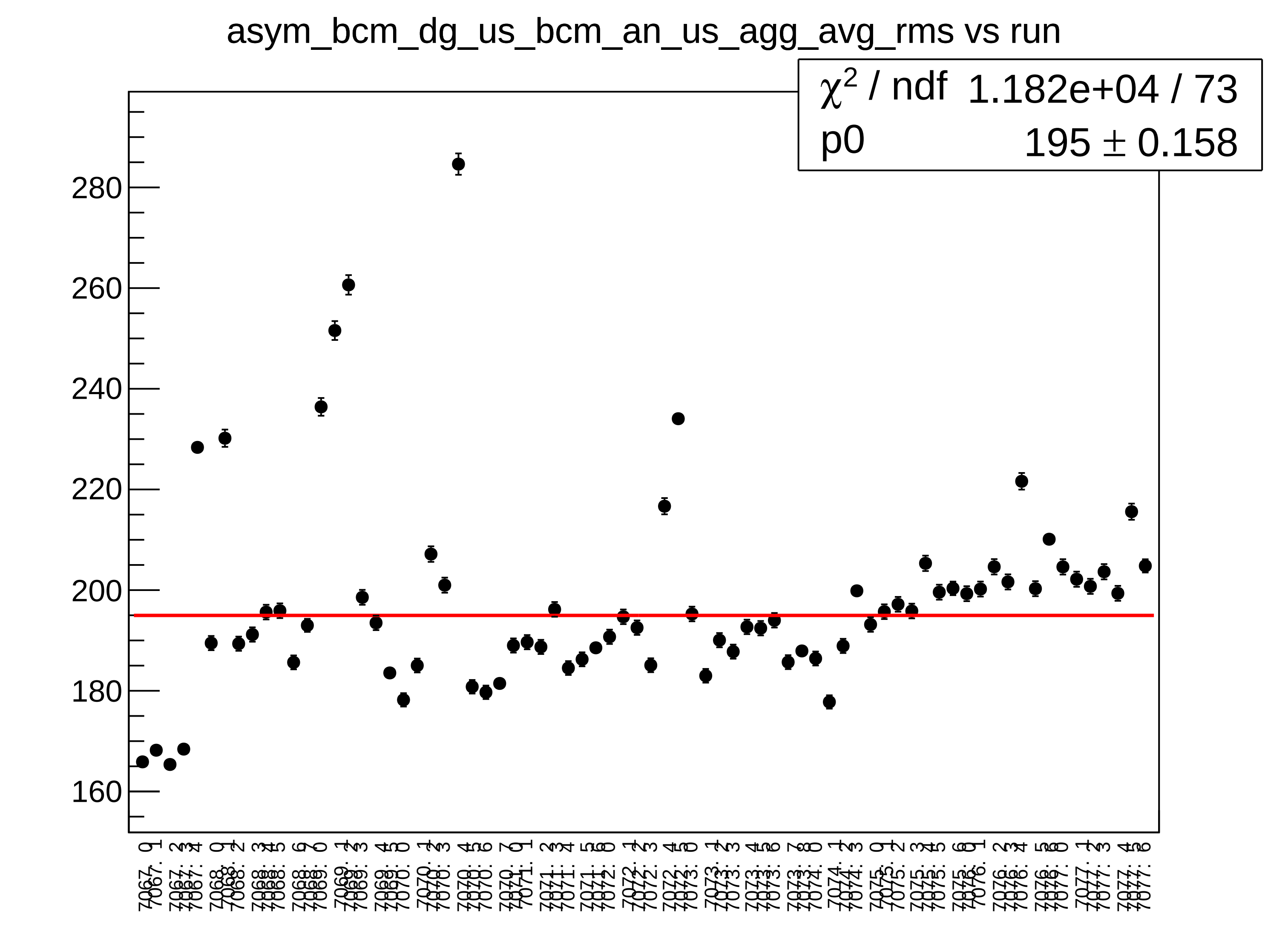

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 59.88 / 73
p0 −8.947 ± 18.92
600
400
200
0
−200
−400
−600
pull
Entries 74
Mean −20.01
Std Dev 62.46
pull1D
Entries 74
Mean −0.009659
Std Dev 0.8995
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

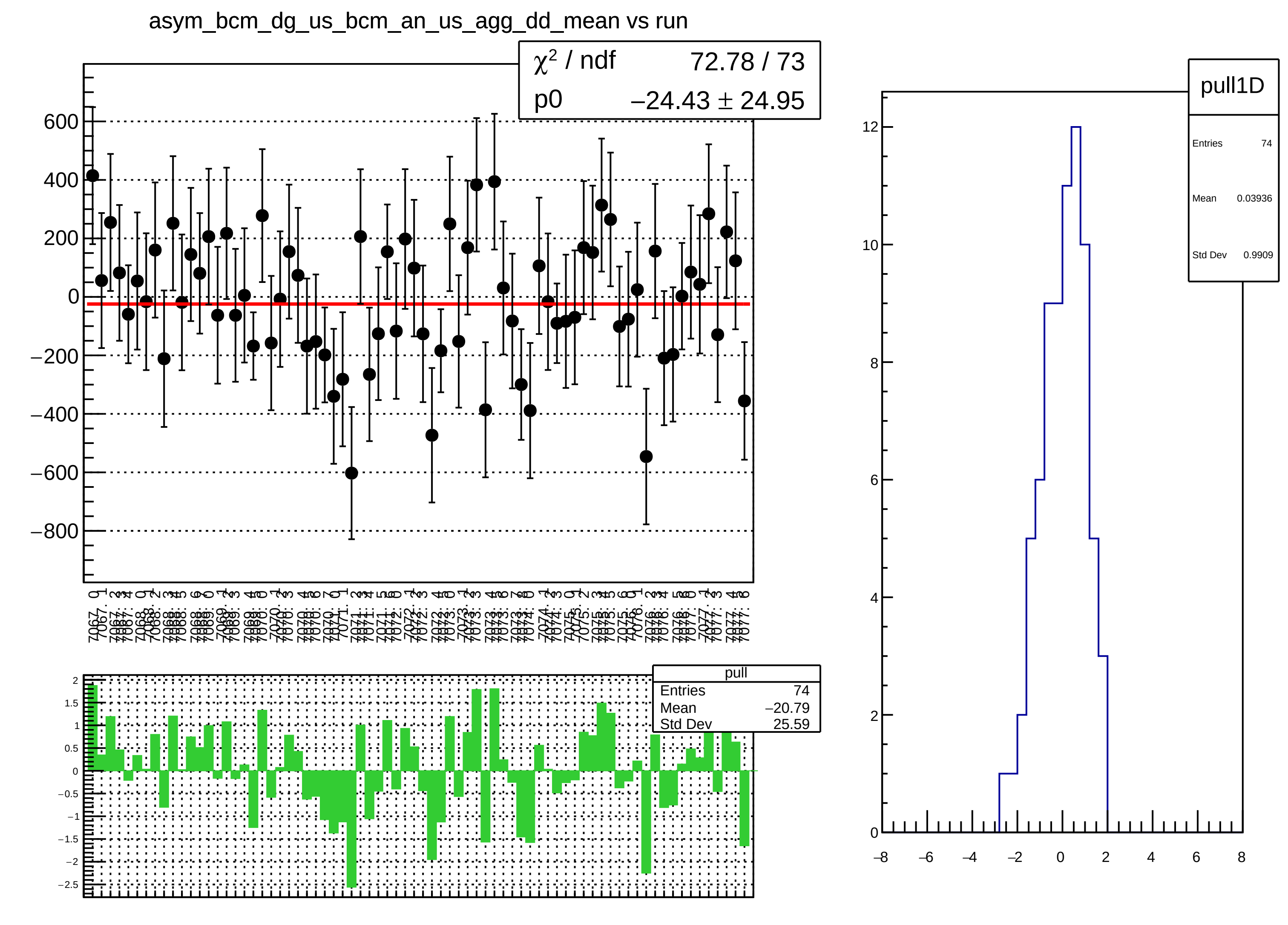


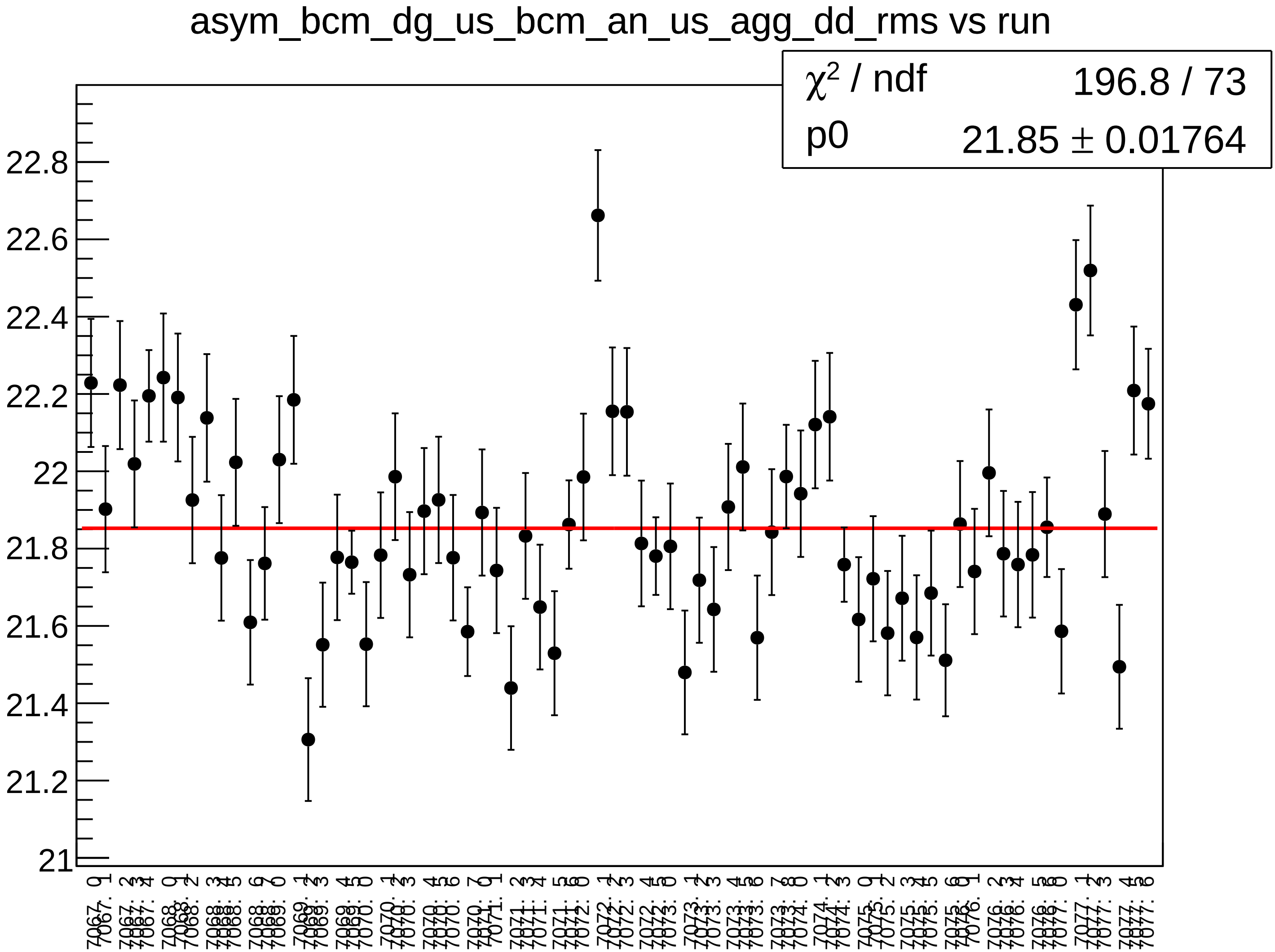
asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 2365 / 73
p0 16.57 ± 0.01338
19
18.5
18
17.5
17
16.5
16
15.5



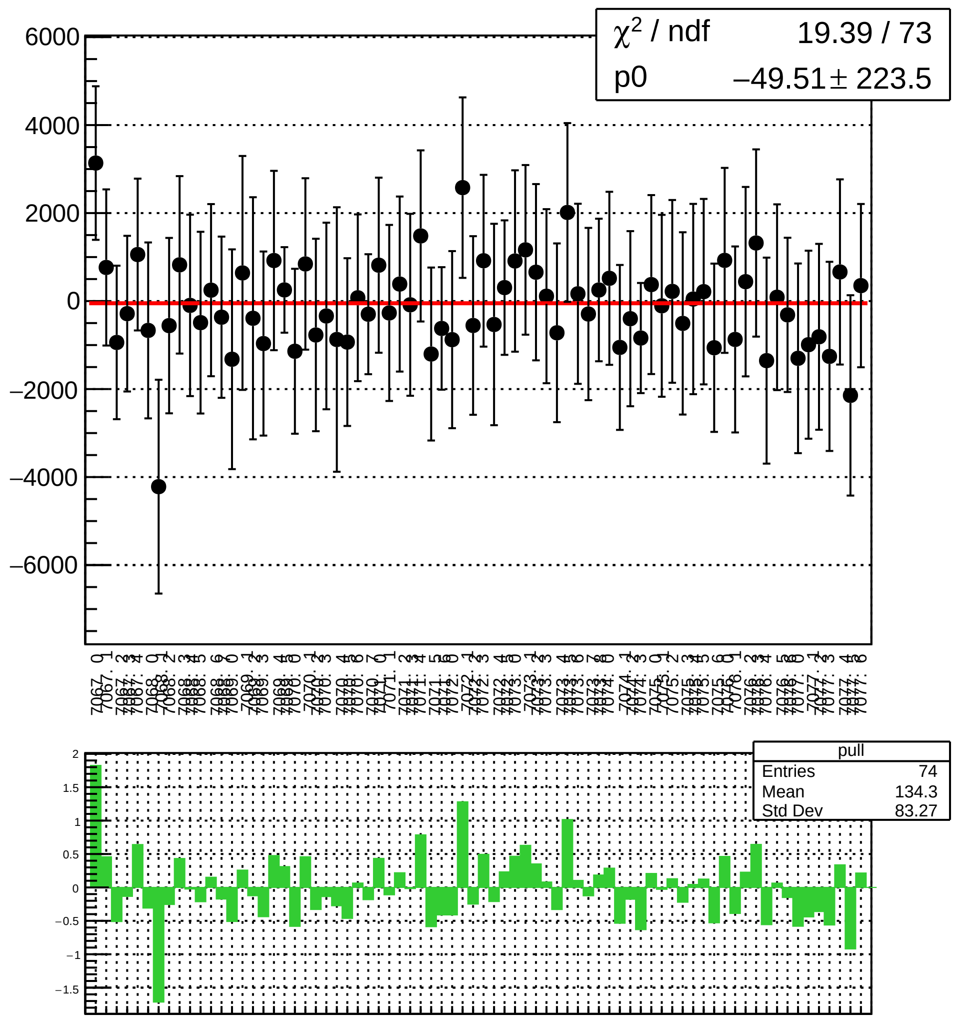
asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 20.48 / 73
p0 −58.78 ± 223.4
pull
Entries 74
Mean 232.8
Std Dev 191.6
pull1D
Entries 74
Mean −0.006868
Std Dev 0.5261

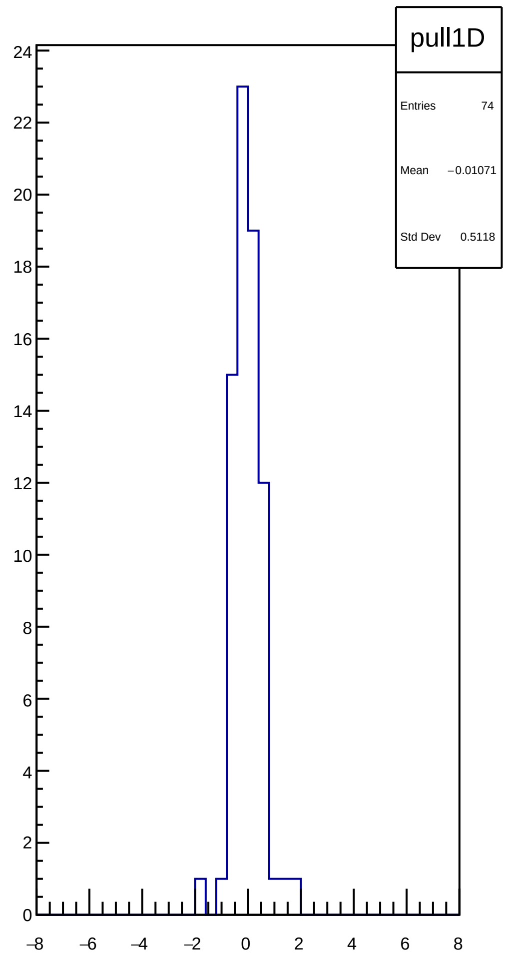

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 1.182e+04 / 73
p0 195 ± 0.158
280
260
240
220
200
180
160

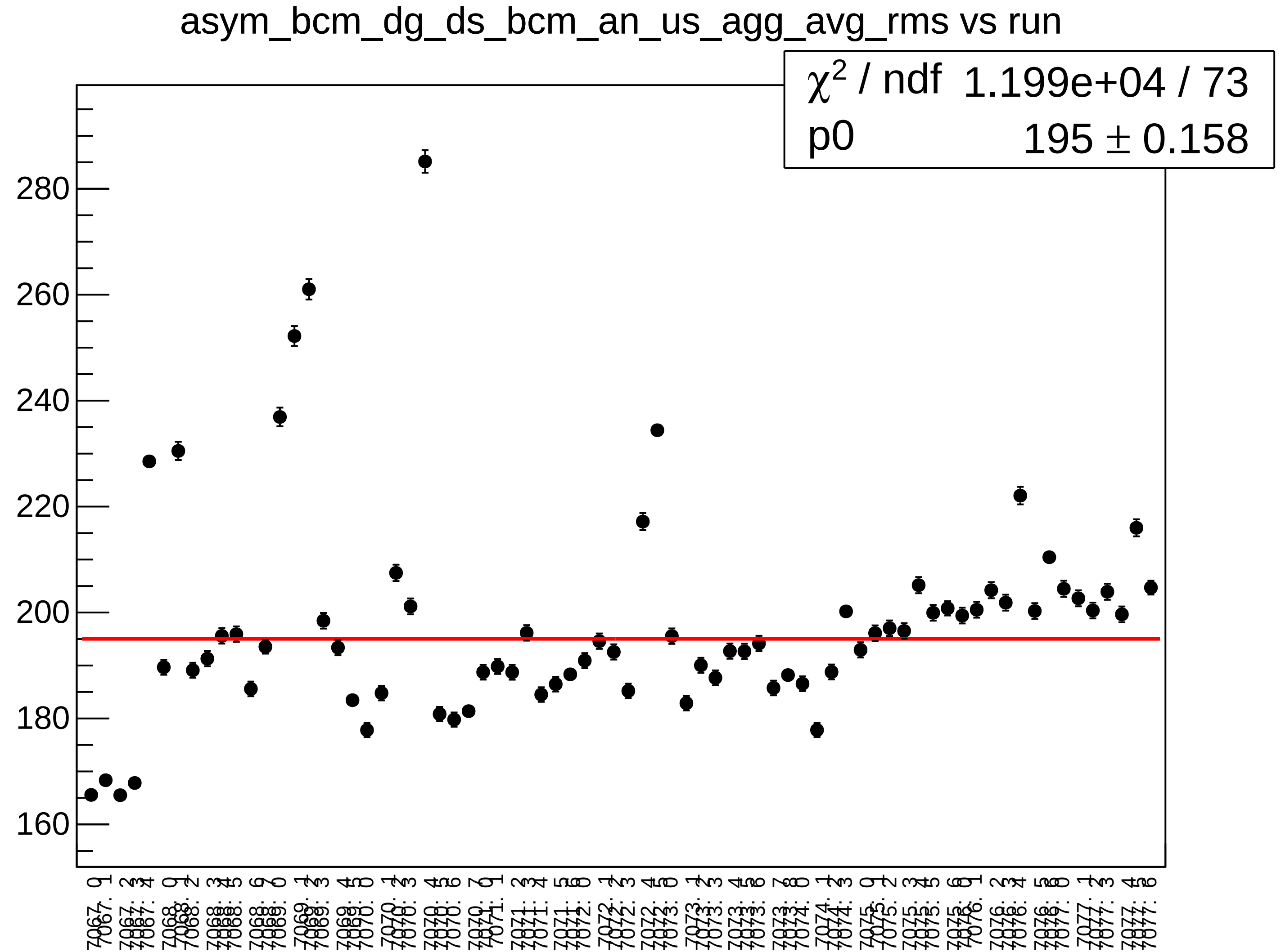

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ2 / ndf 72.78 / 73
p0 −24.43 ± 24.95
pull
Entries 74
Mean −20.79
Std Dev 25.59
pull1D
Entries 74
Mean 0.03936
Std Dev 0.9909


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 196.8 / 73
p0 21.85 ± 0.01764
22.8
22.6
22.4
22.2
22
21.8
21.6
21.4
21.2
21

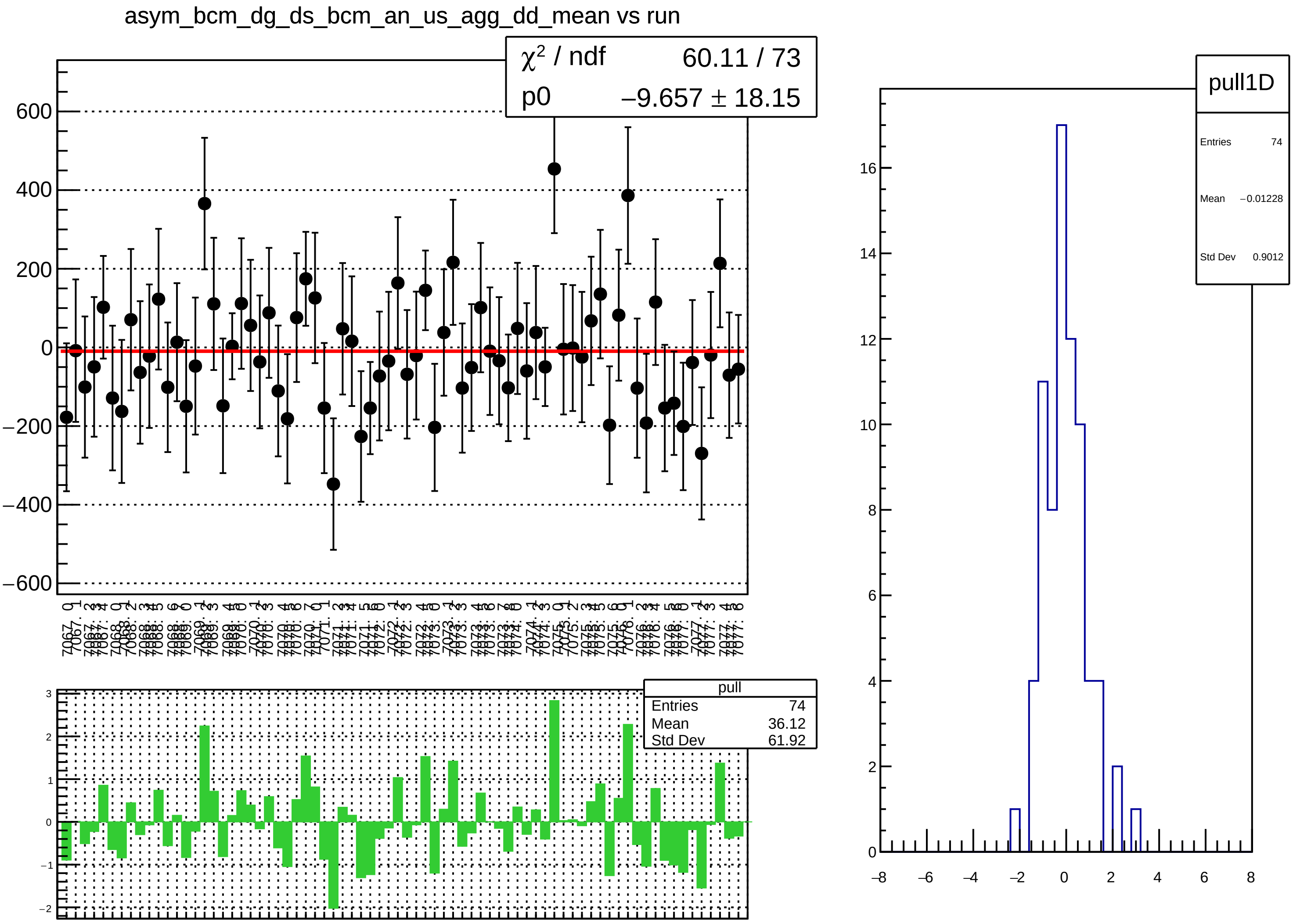
asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run

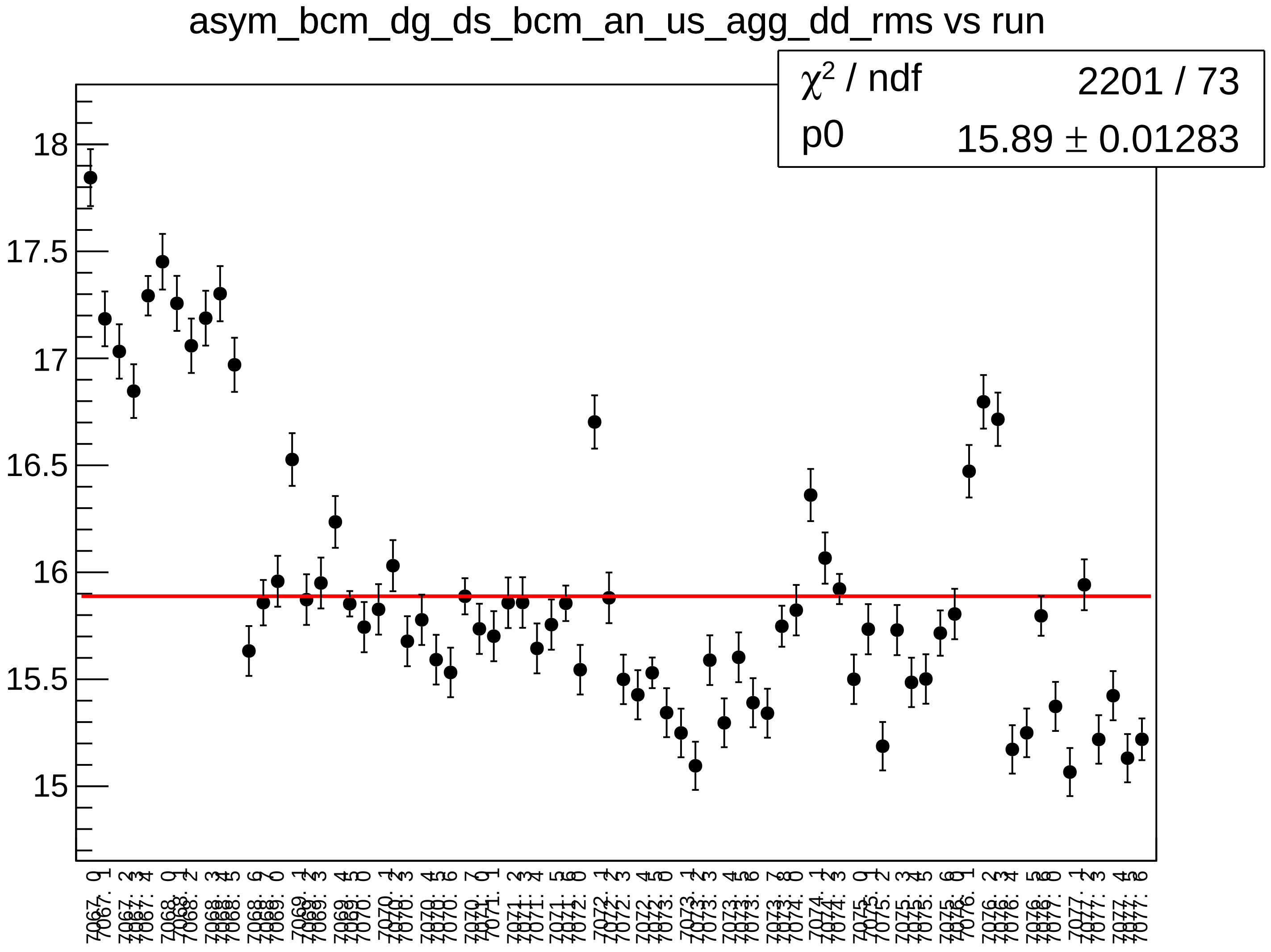


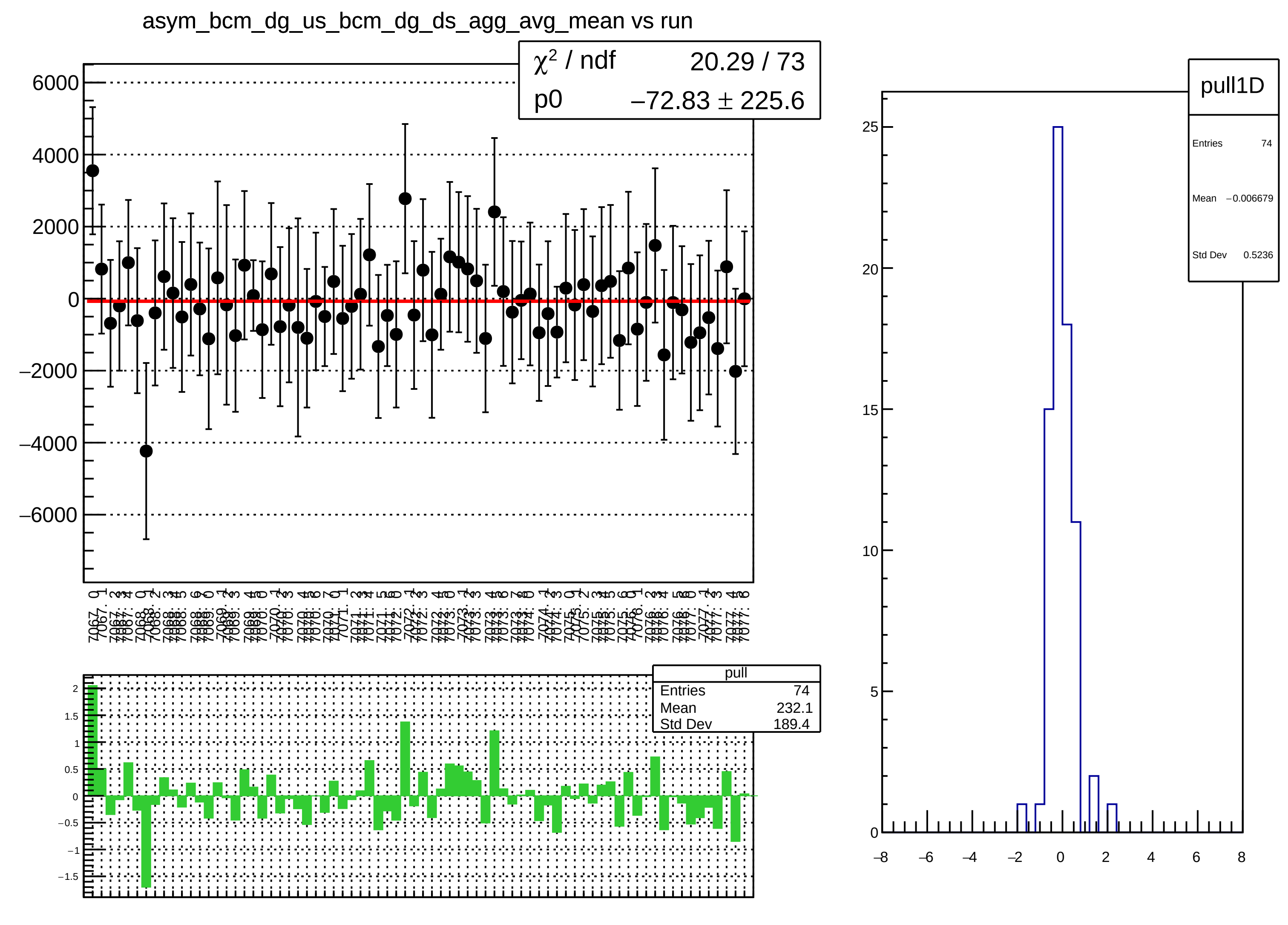




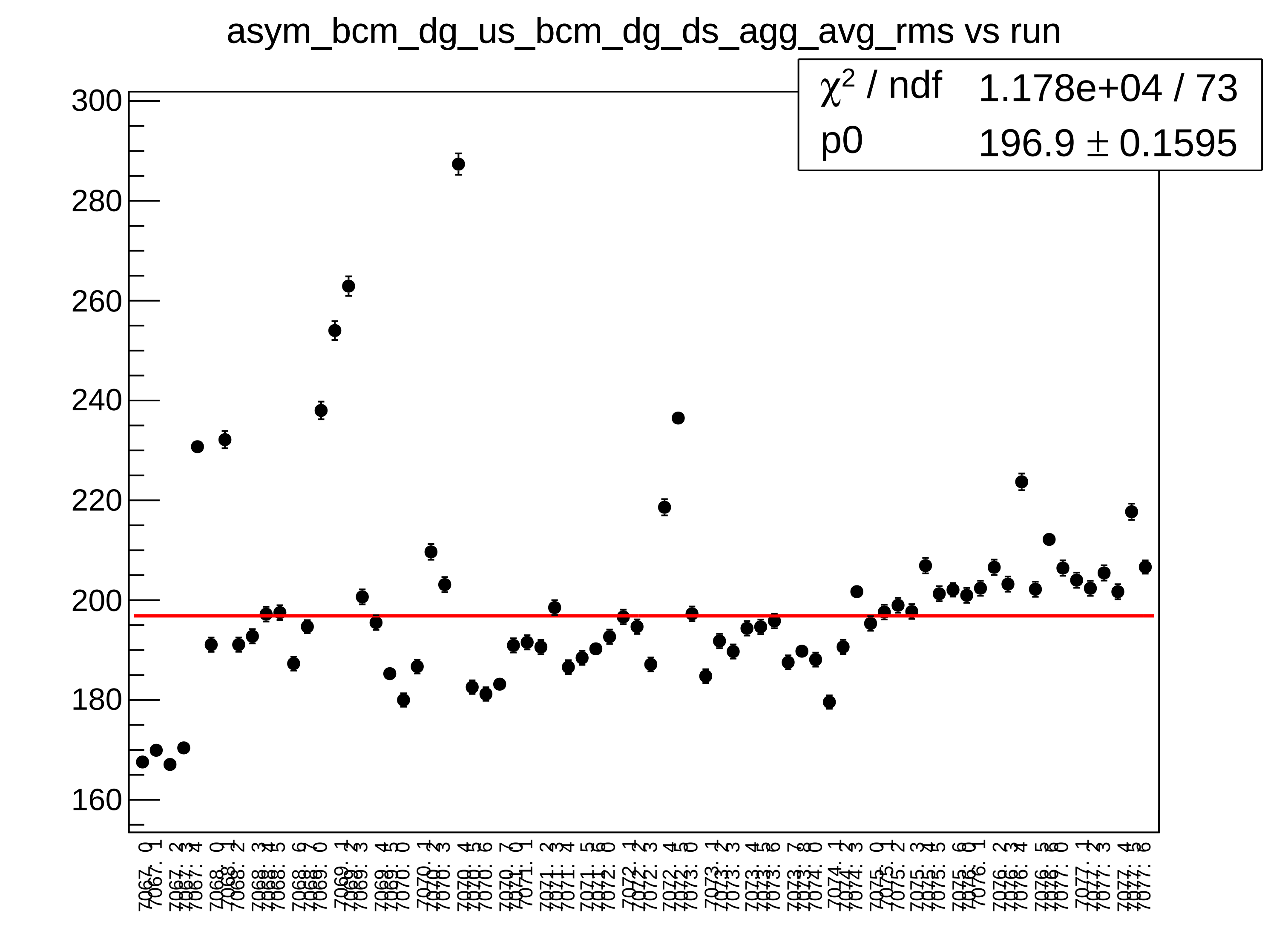
asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 1.199e+04 / 73
p0 195 ± 0.158
280
260
240
220
200
180
160


asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 60.11 / 73
p0 −9.657 ± 18.15
pull
Entries 74
Mean 36.12
Std Dev 61.92
pull1D
Entries 74
Mean −0.01228
Std Dev 0.9012

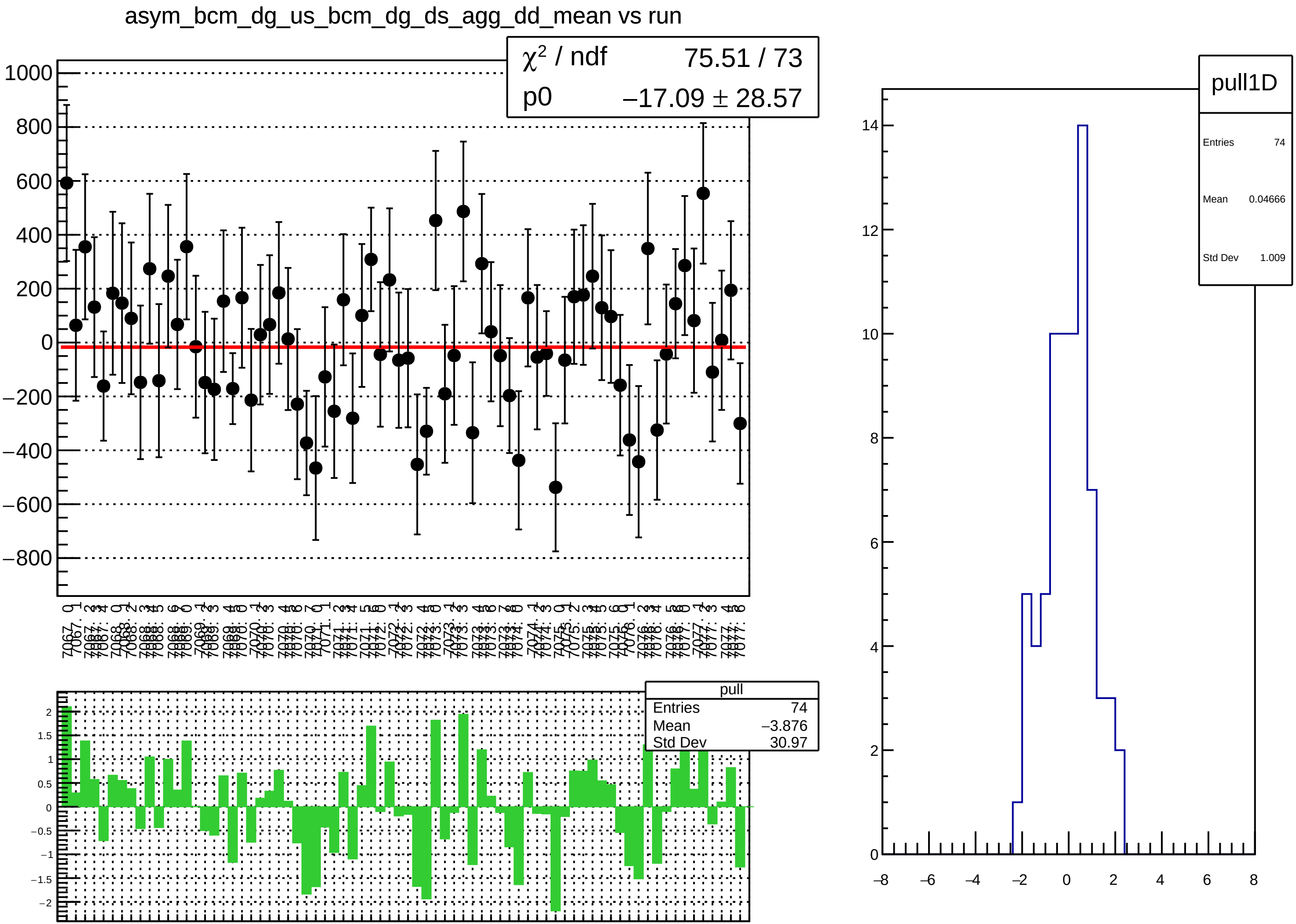

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 2201 / 73
p0 15.89 ± 0.01283
18
17.5
17
16.5
16
15.5
15

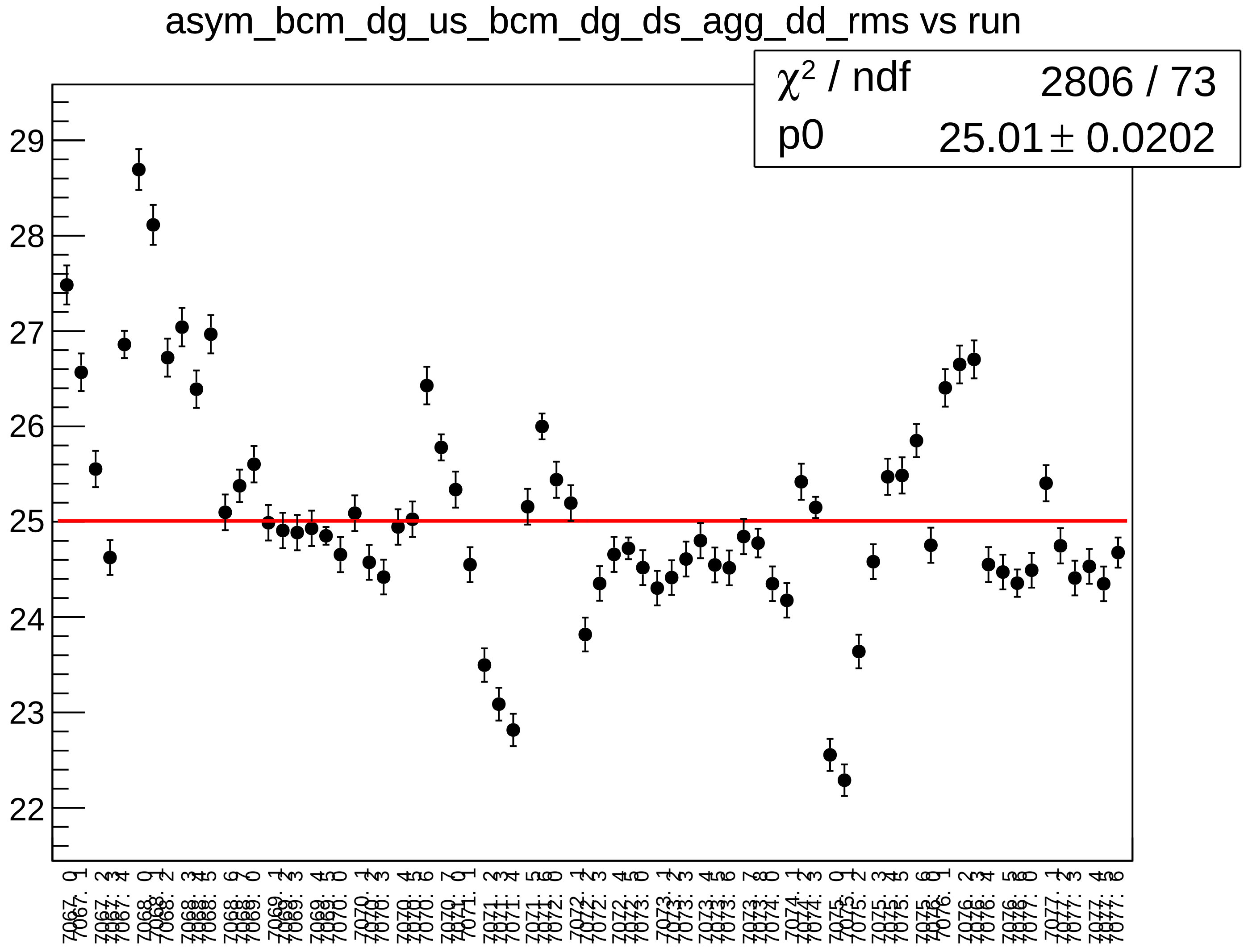


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 20.29 / 73
p0 −72.83 ± 225.6
pull
Entries 74
Mean 232.1
Std Dev 189.4
pull1D
Entries 74
Mean −0.006679
Std Dev 0.5236

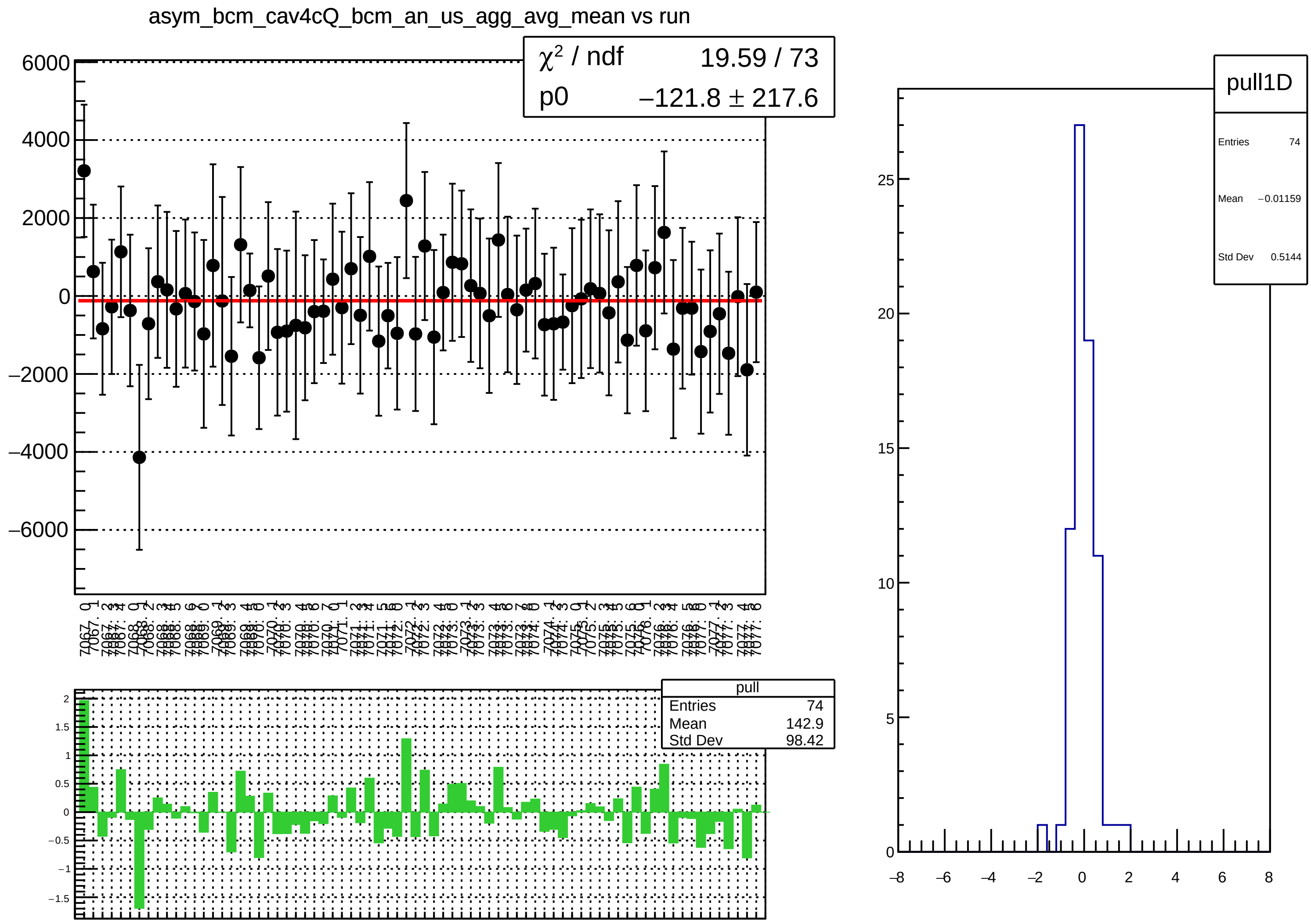


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 1.178e+04 / 73
p0 196.9 ± 0.1595

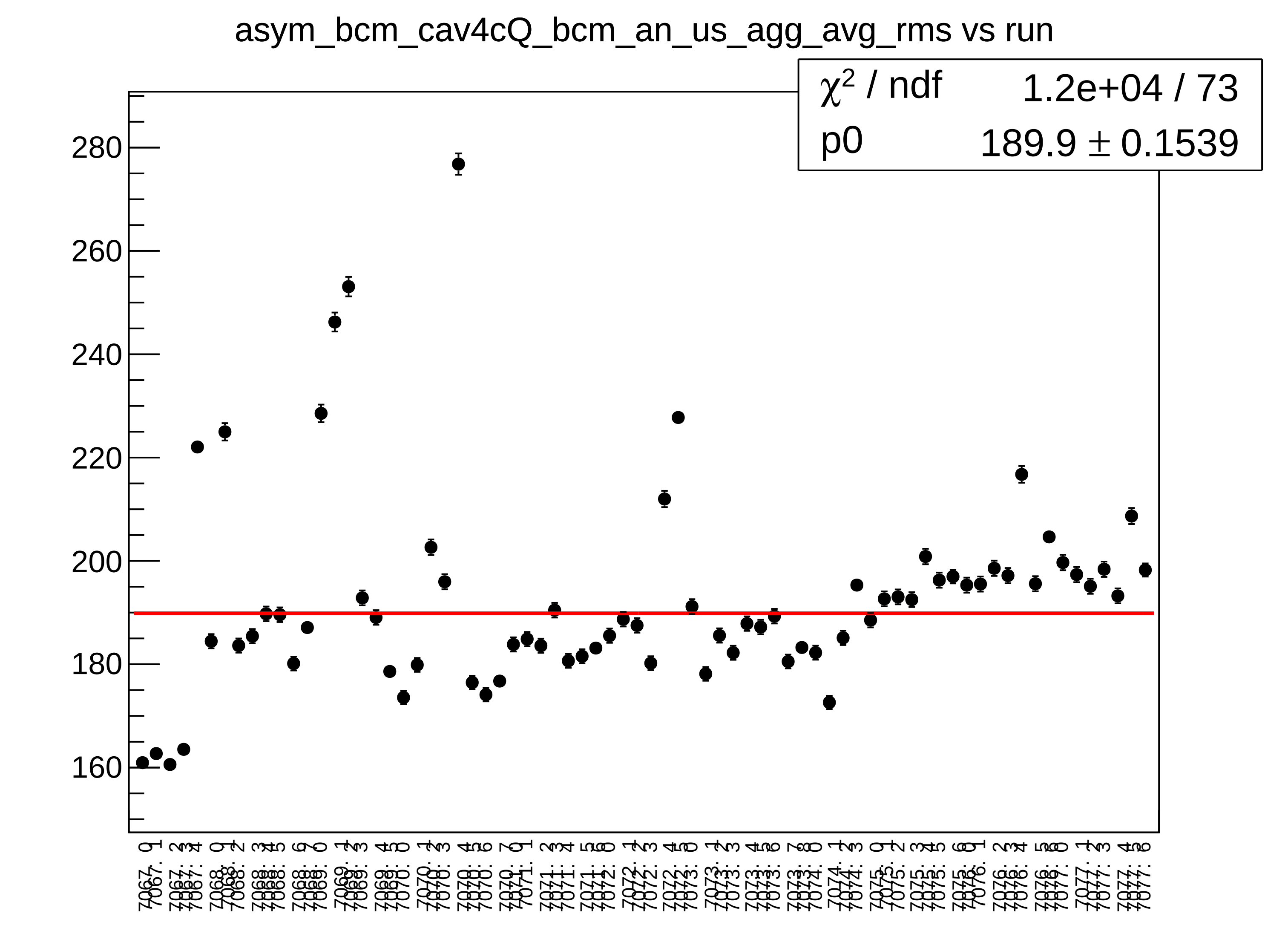

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 75.51 / 73
p0 −17.09 ± 28.57
pull
Entries 74
Mean −3.876
Std Dev 30.97
pull1D
Entries 74
Mean 0.04666
Std Dev 1.009

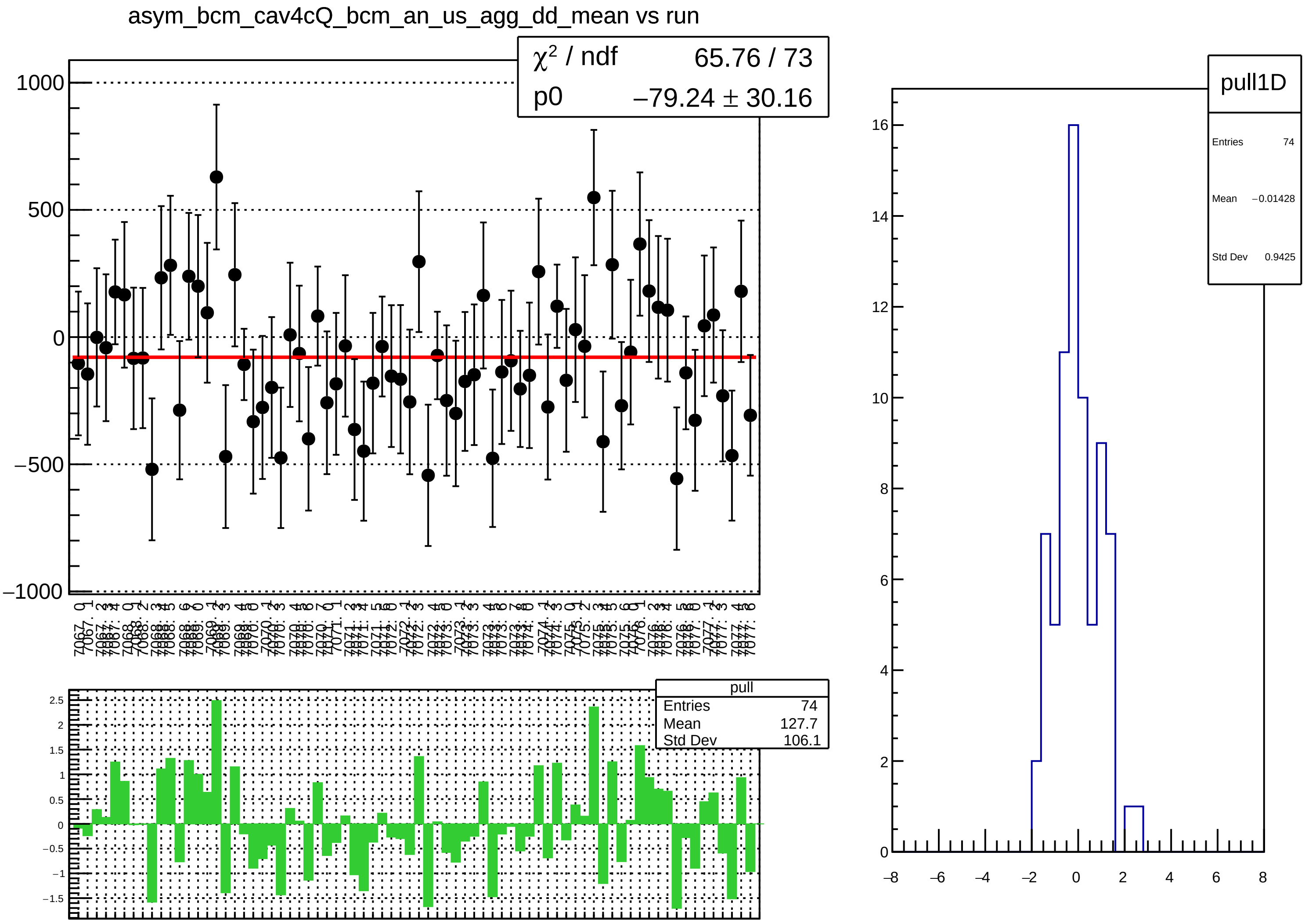


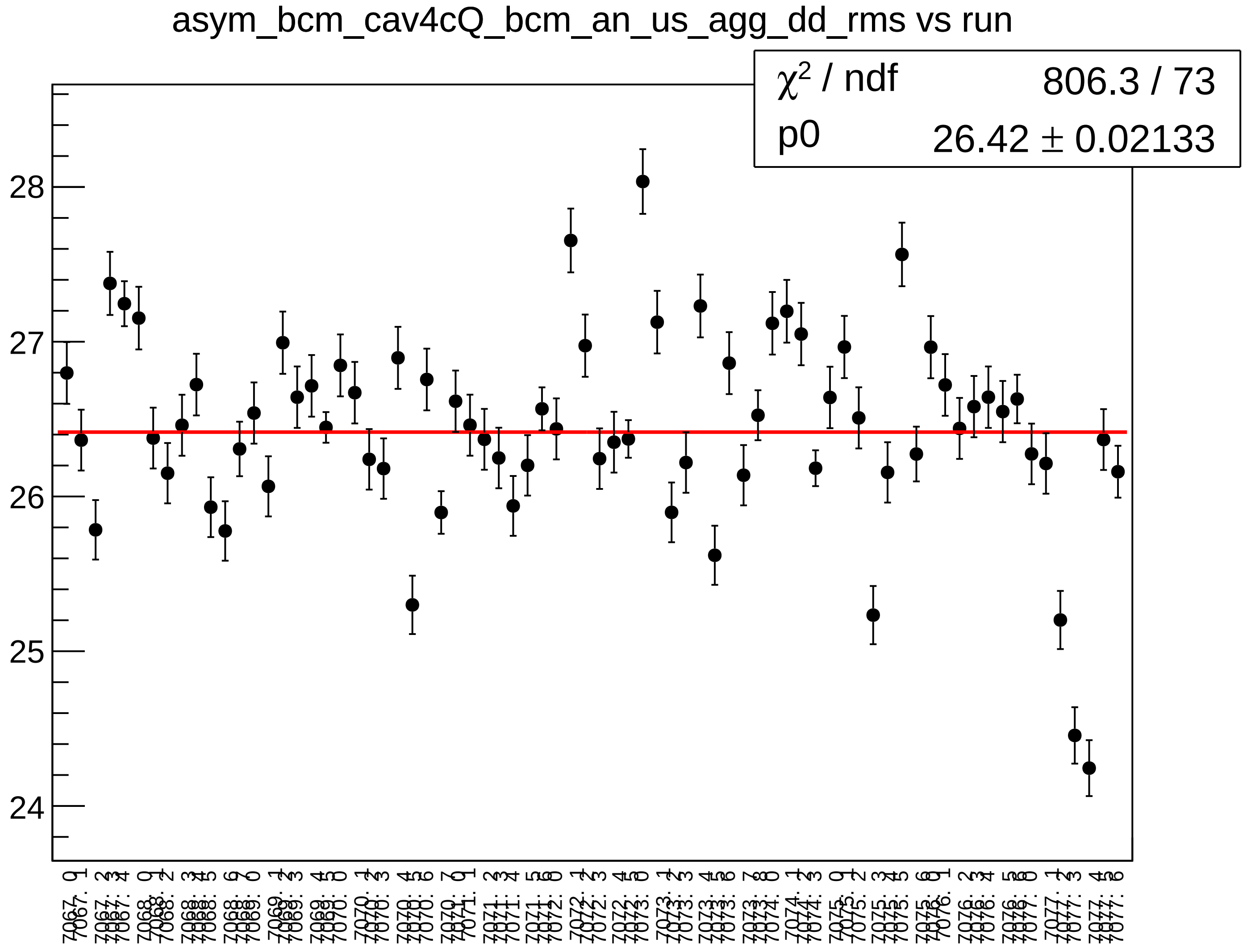
asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 2806 / 73
p0 25.01 ± 0.0202
29
28
27
26
25
24
23
22



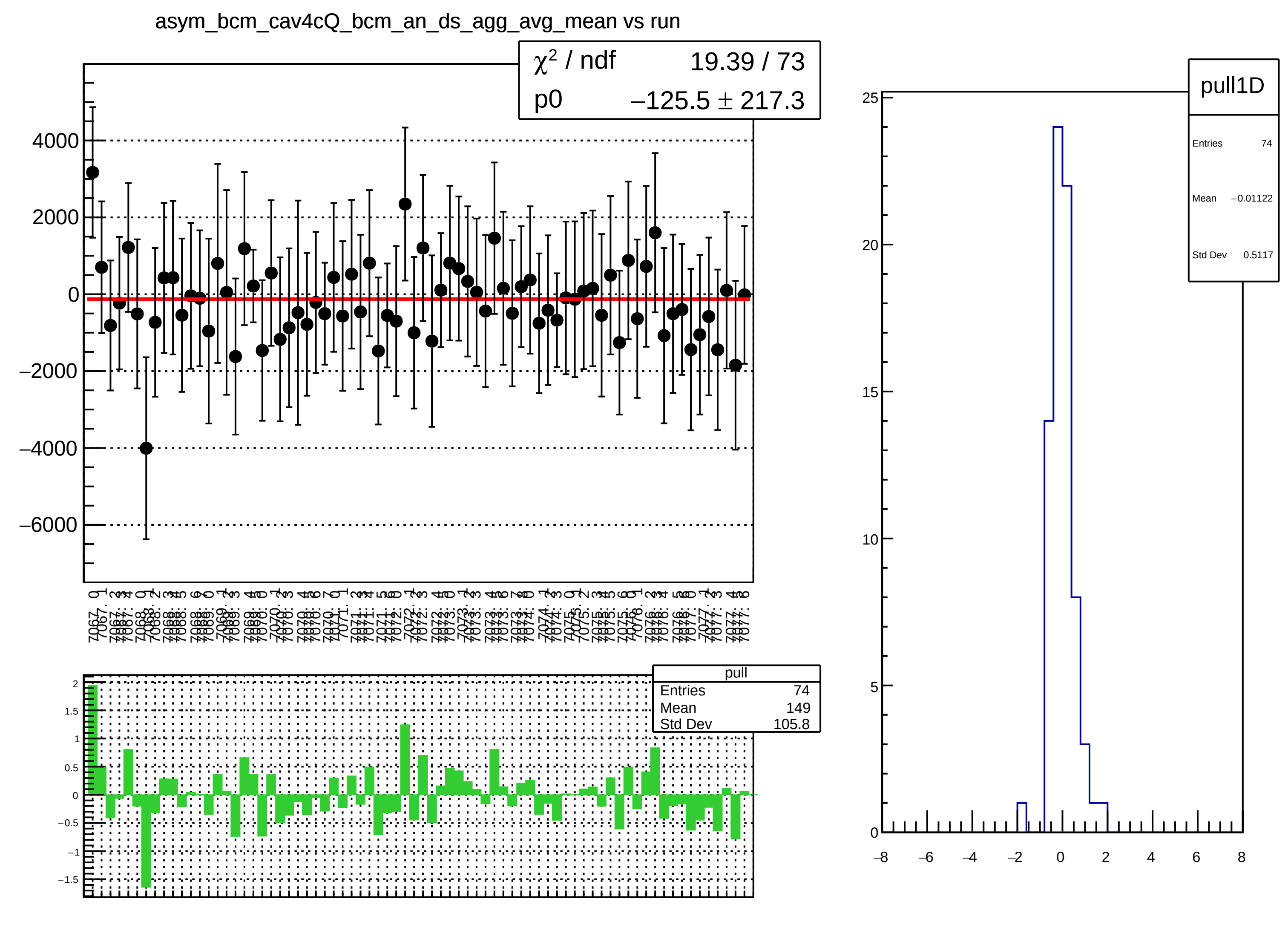
asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 19.59 / 73
p0 −121.8 ± 217.6
pull
Entries 74
Mean 142.9
Std Dev 98.42
pull1D
Entries 74
Mean −0.01159
Std Dev 0.5144

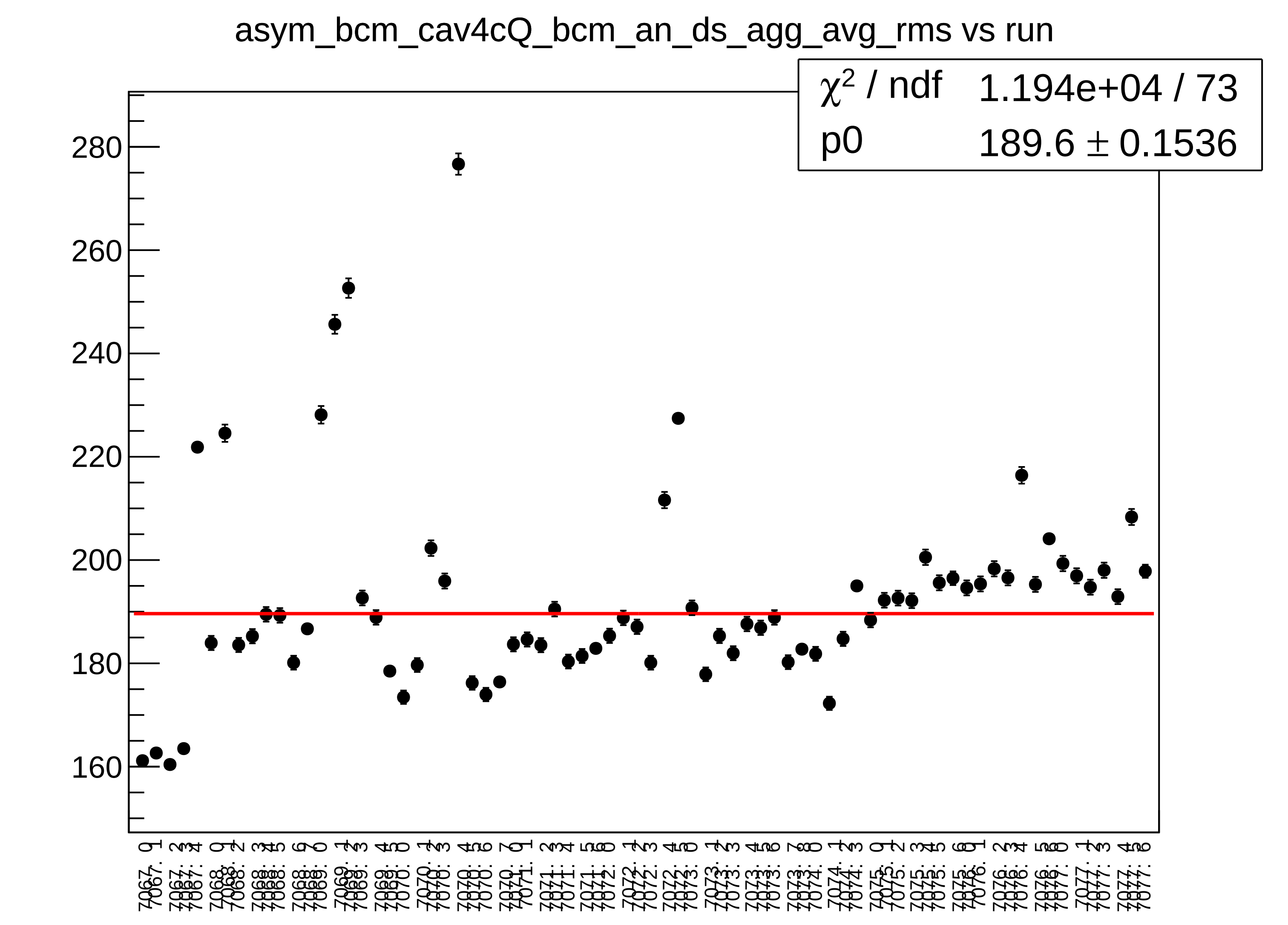

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ2 / ndf 1.2e+04 / 73
p0 189.9 ± 0.1539
280
260
240
220
200
180
160

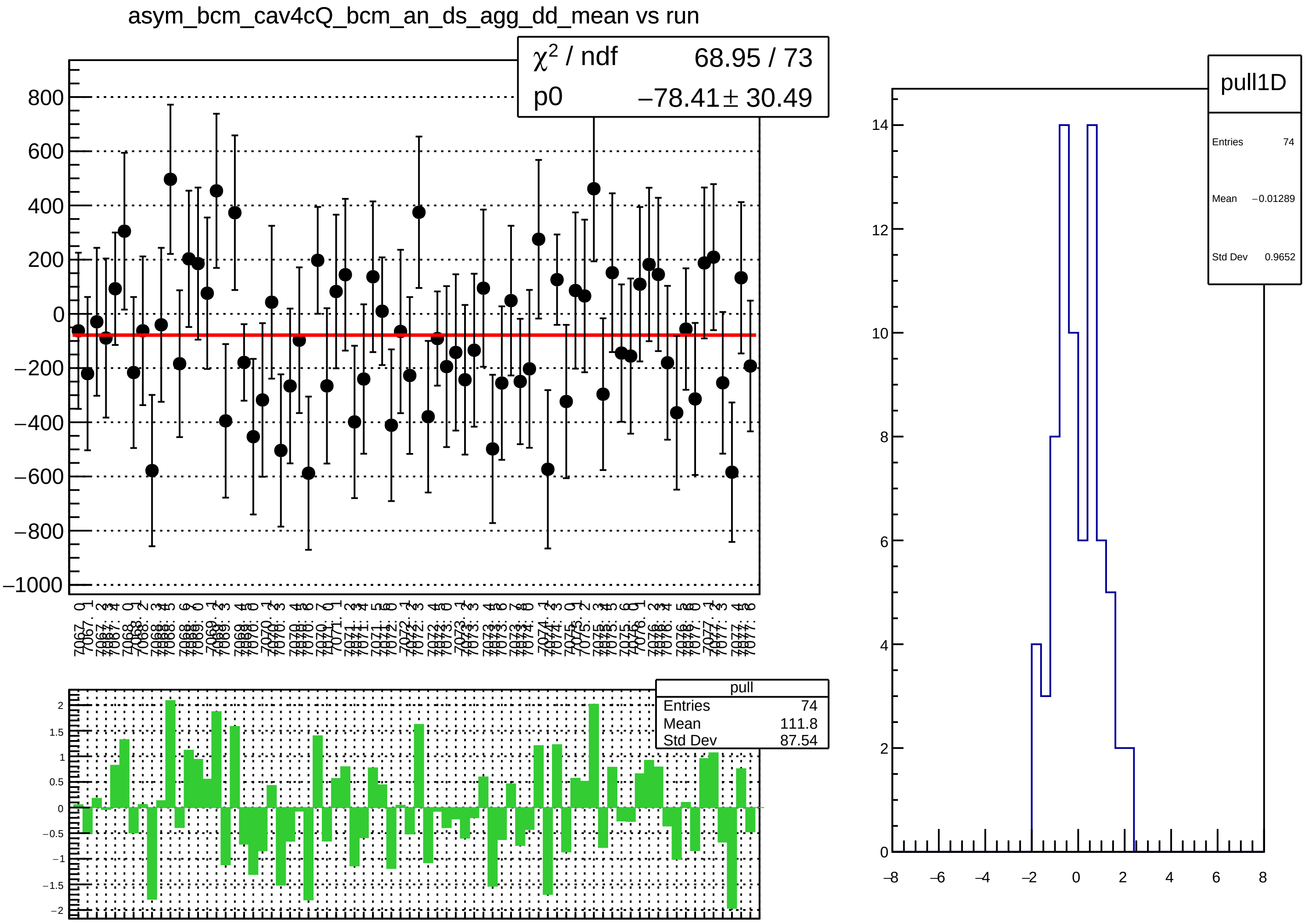

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 65.76 / 73
p0 −79.24 ± 30.16
1000
500
0
−500
−1000
pull
Entries 74
Mean 127.7
Std Dev 106.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 74
Mean −0.01428
Std Dev 0.9425
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



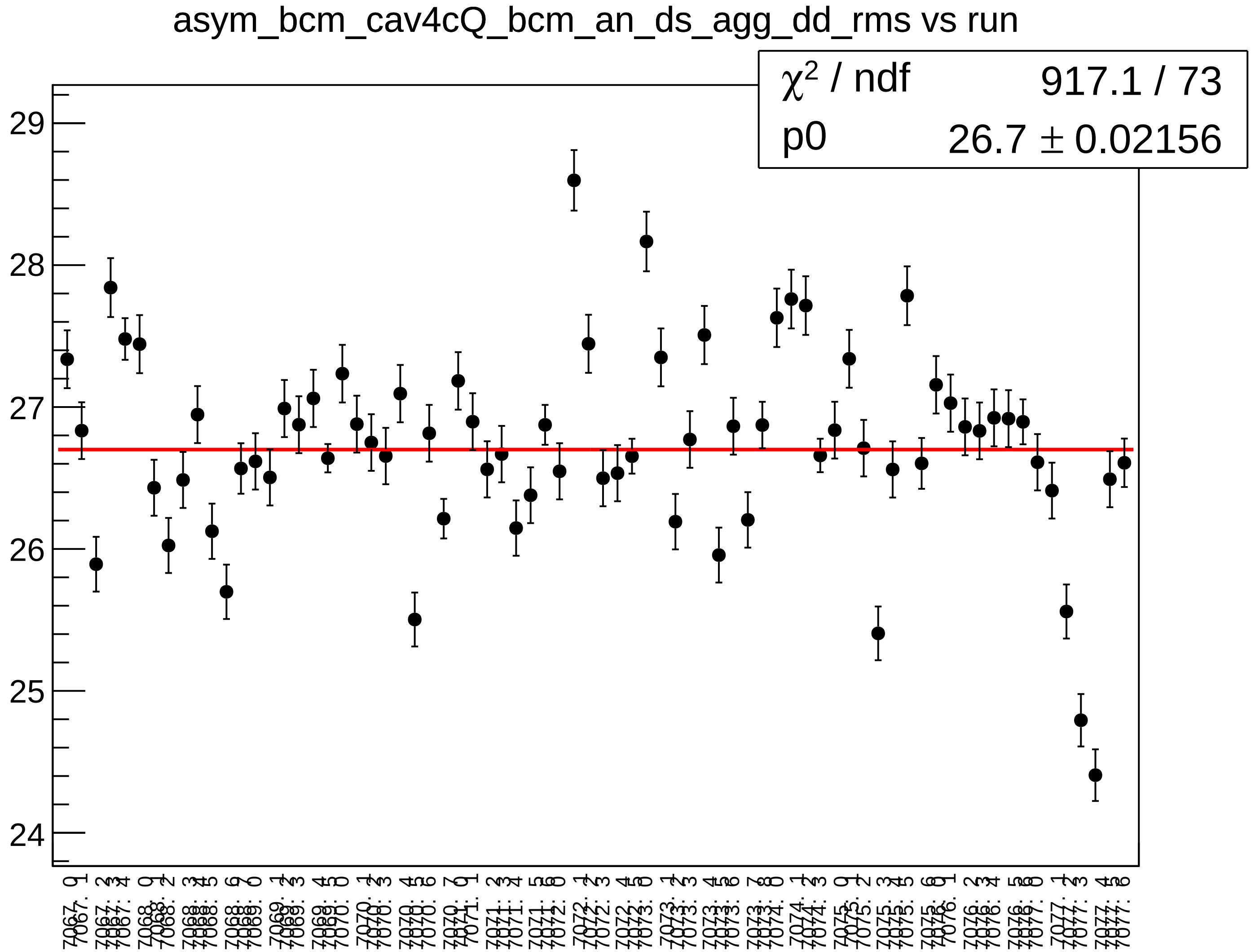
asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 806.3 / 73
p0 26.42 ± 0.02133
28
27
26
25
24

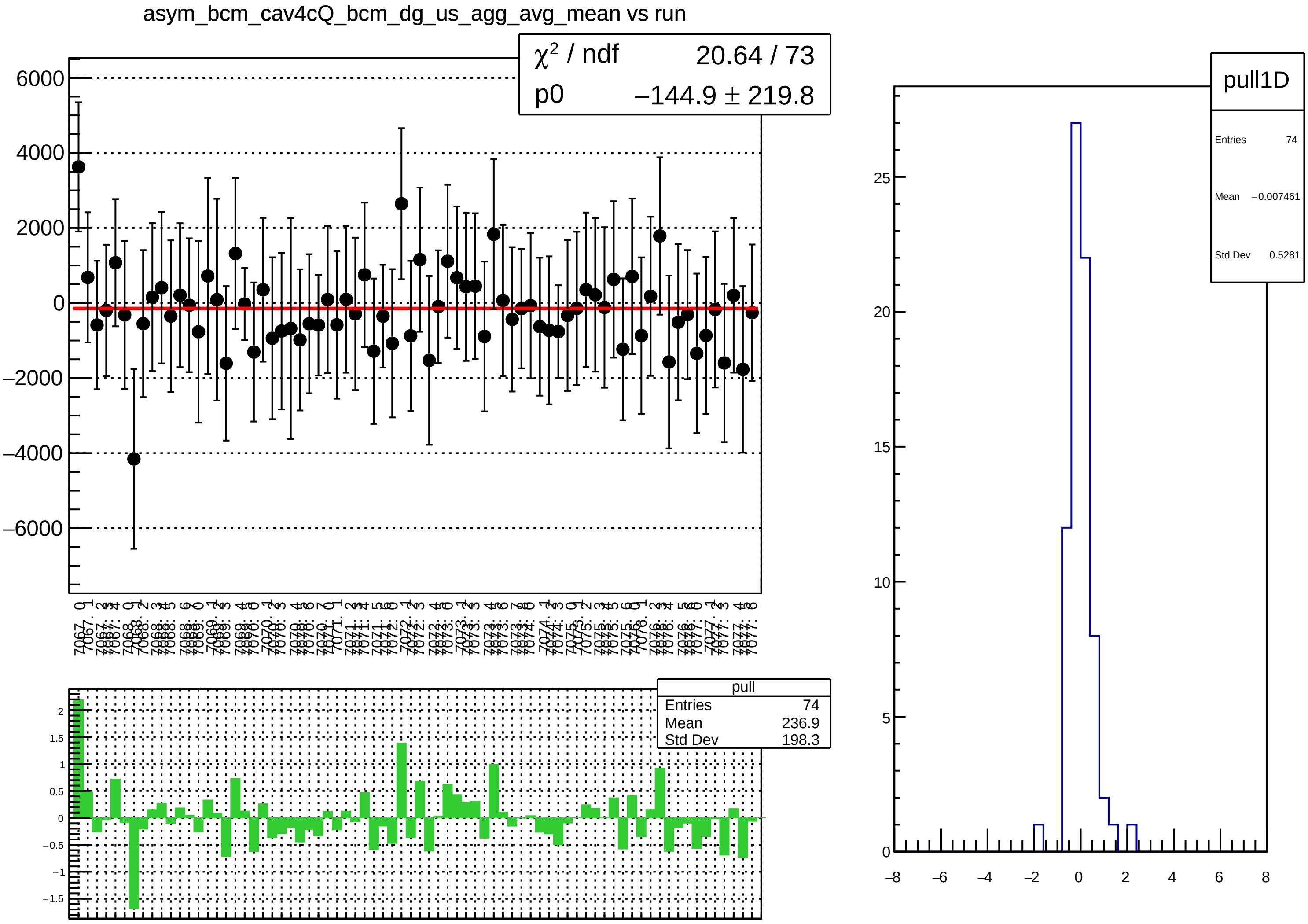

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 19.39 / 73
p0 −125.5 ± 217.3
pull
Entries 74
Mean 149
Std Dev 105.8
pull1D
Entries 74
Mean −0.01122
Std Dev 0.5117

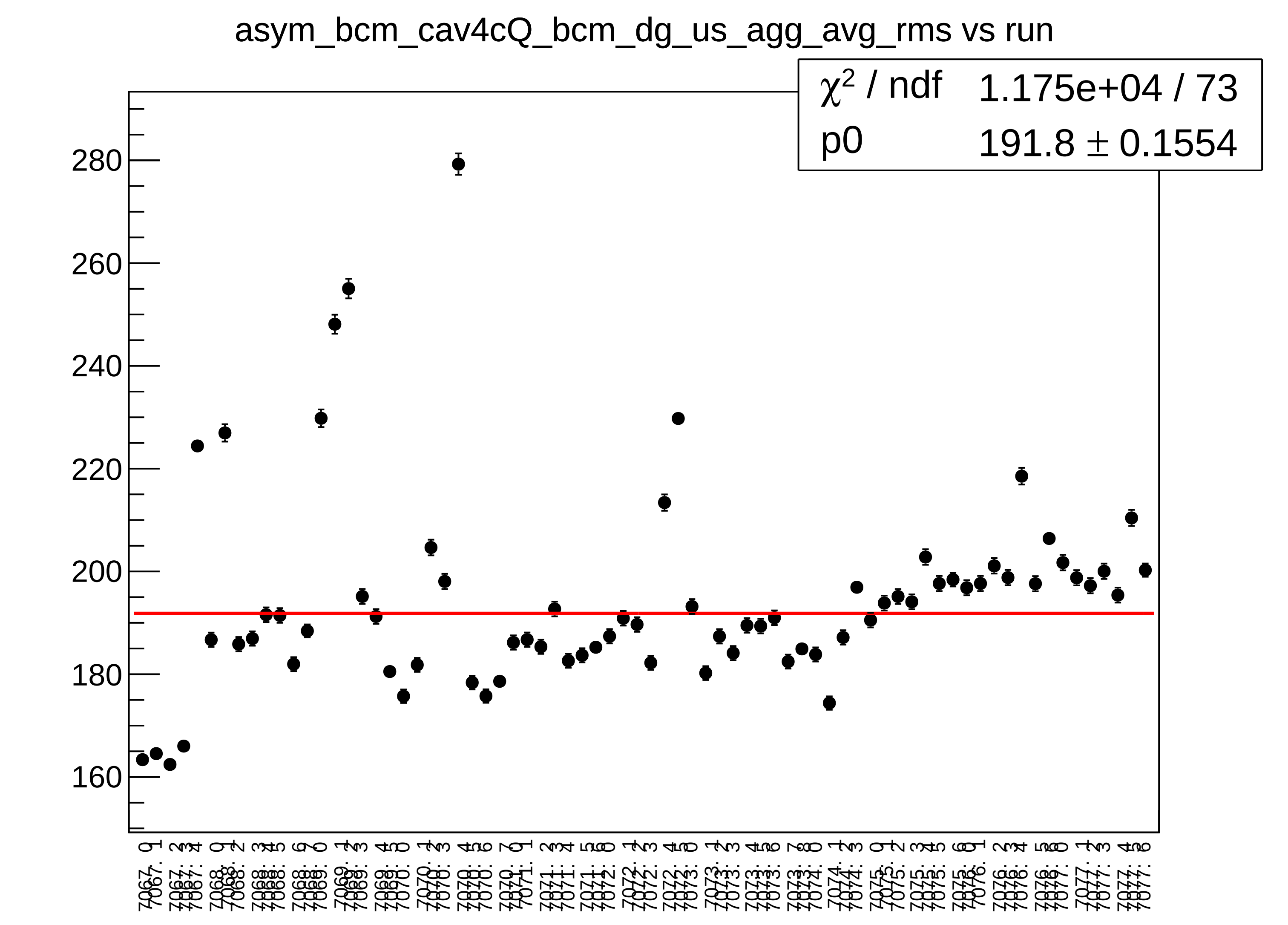

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 1.194e+04 / 73
p0 189.6 ± 0.1536
280
260
240
220
200
180
160



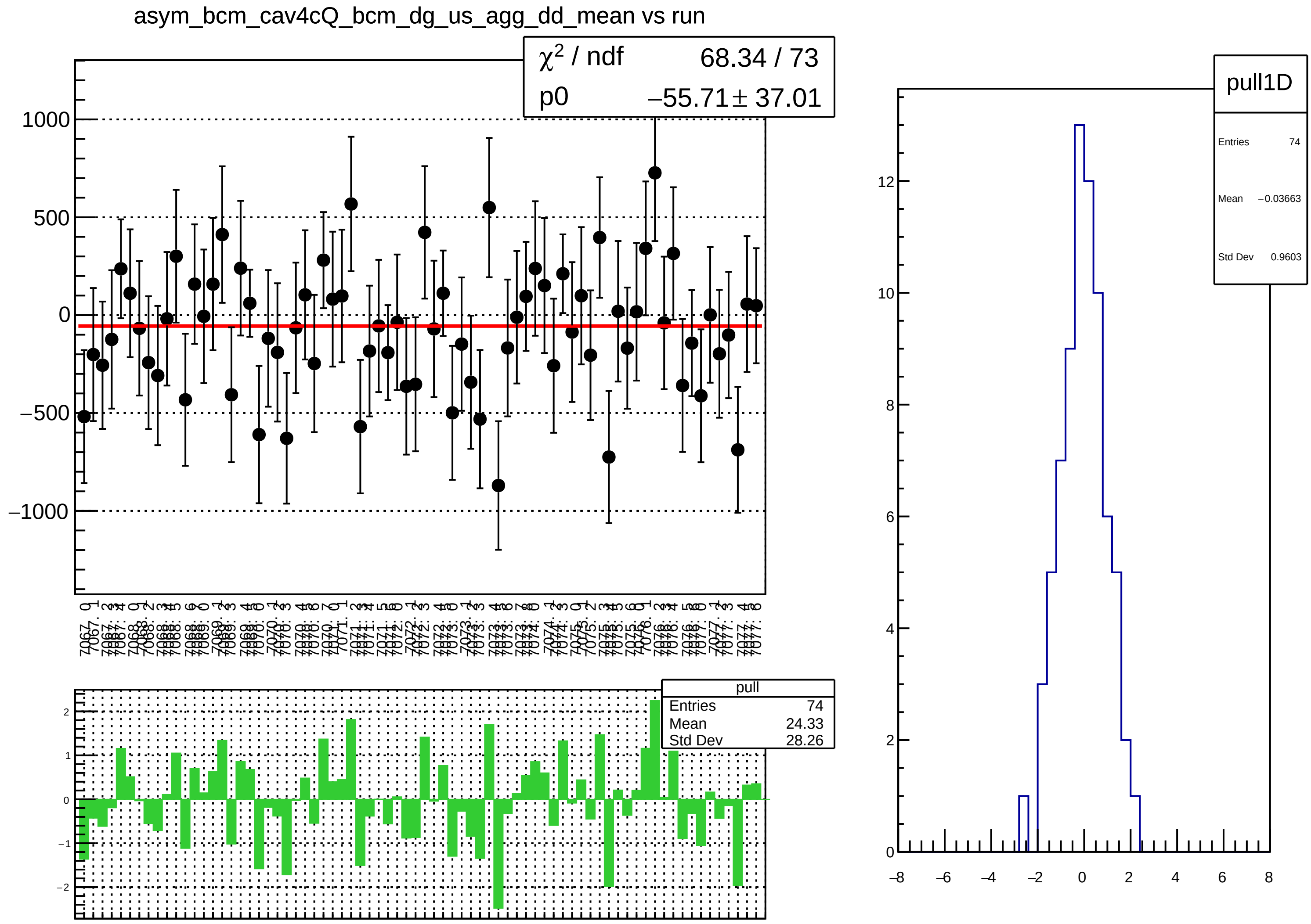
asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 68.95 / 73
p0 −78.41 ± 30.49
pull
Entries 74
Mean 111.8
Std Dev 87.54
pull1D
Entries 74
Mean −0.01289
Std Dev 0.9652

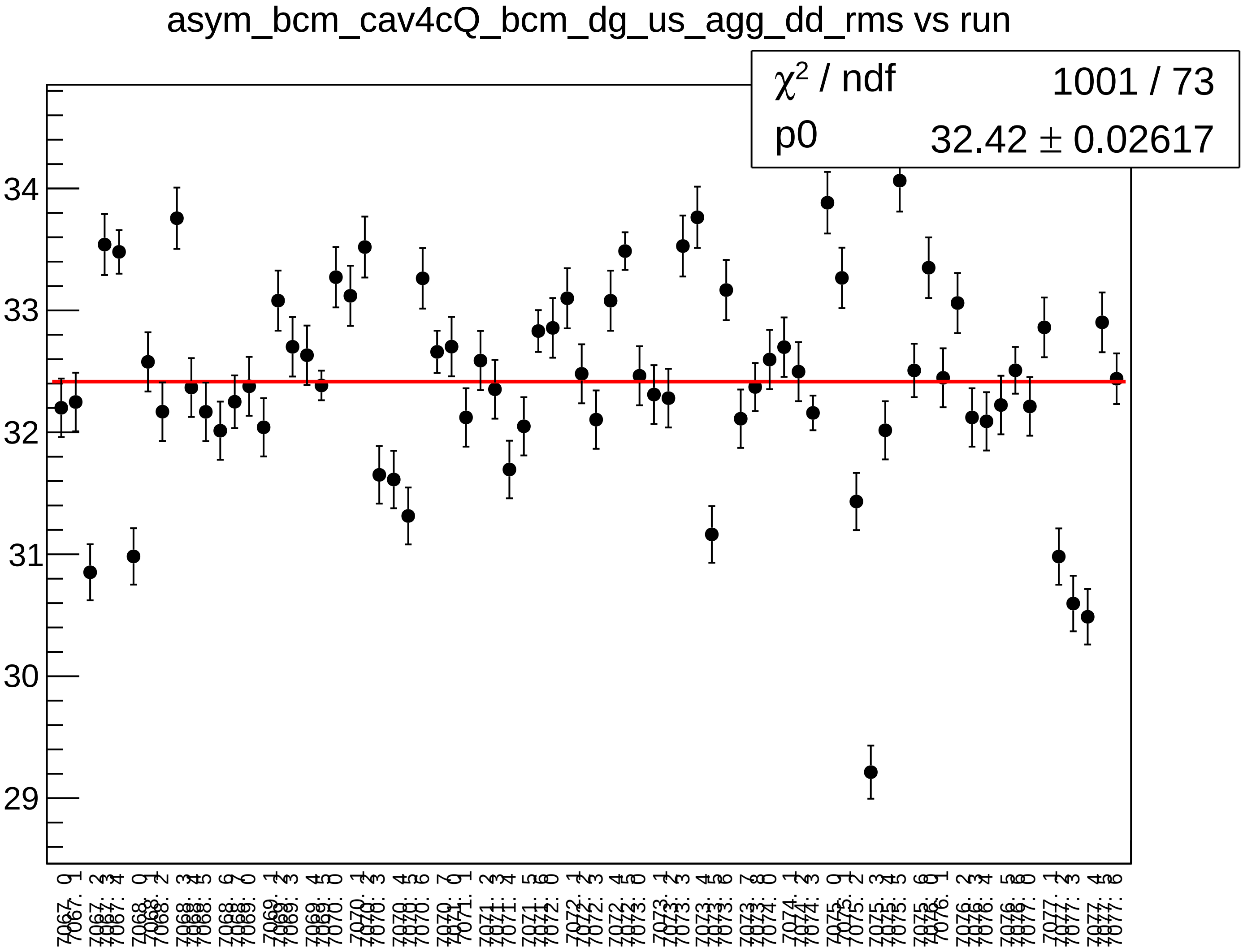

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 917.1 / 73
p0 26.7 ± 0.02156
29
28
27
26
25
24

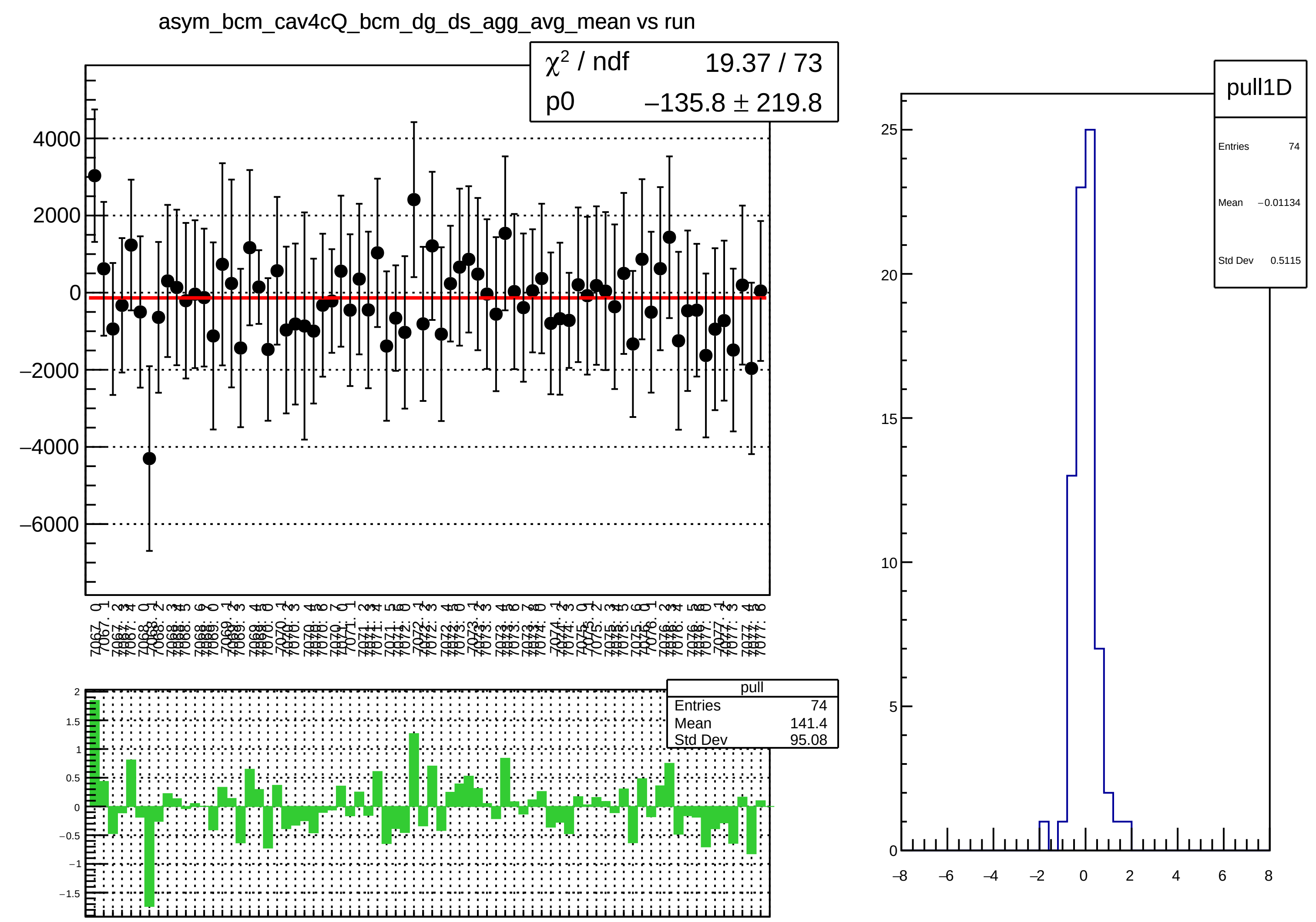

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ^2 / ndf 20.64 / 73
p0 −144.9 ± 219.8
pull
Entries 74
Mean 236.9
Std Dev 198.3
pull1D
Entries 74
Mean −0.007461
Std Dev 0.5281

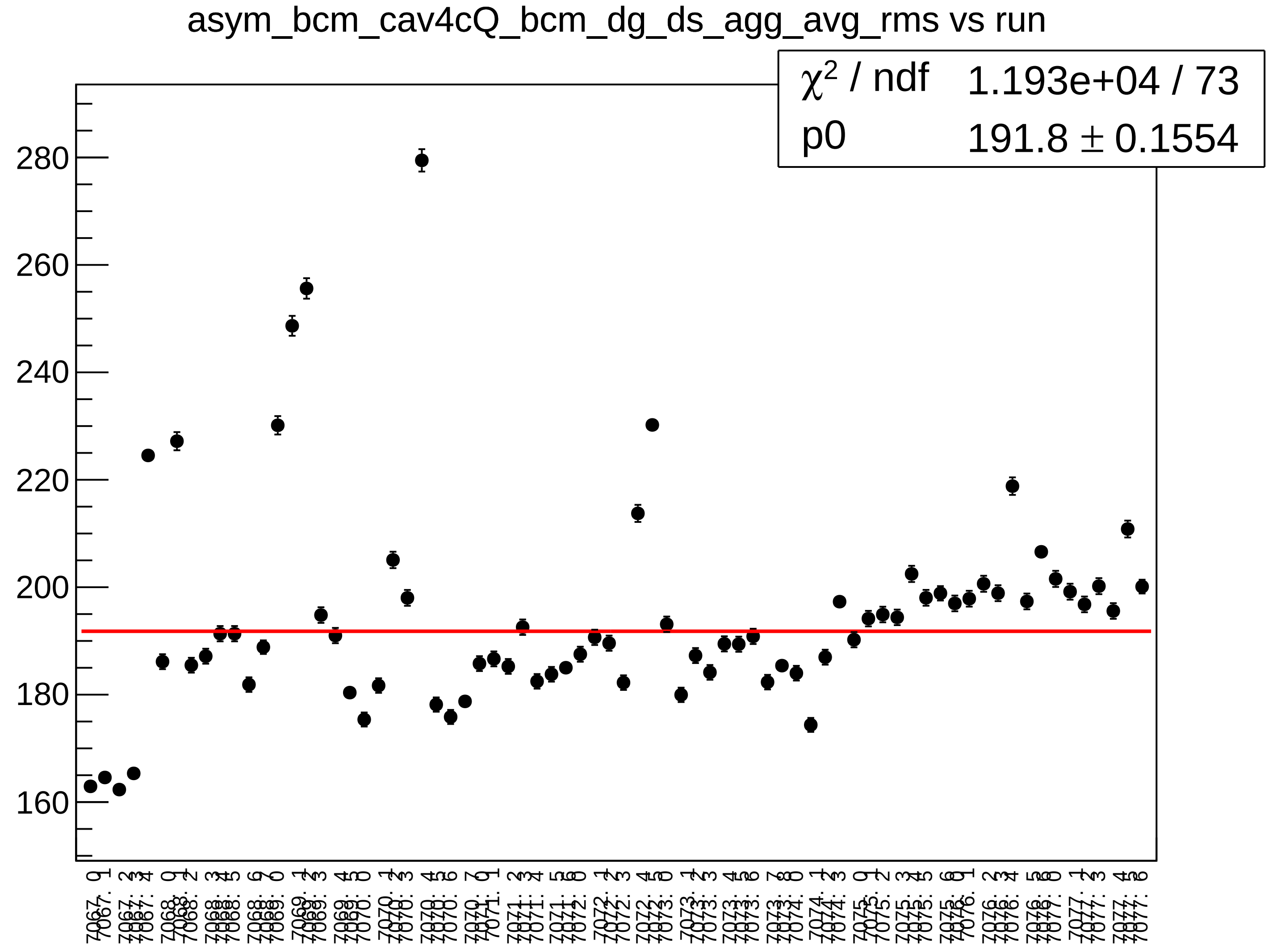


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ^2 / ndf 1.175e+04 / 73
p0 191.8 ± 0.1554
280
260
240
220
200
180
160

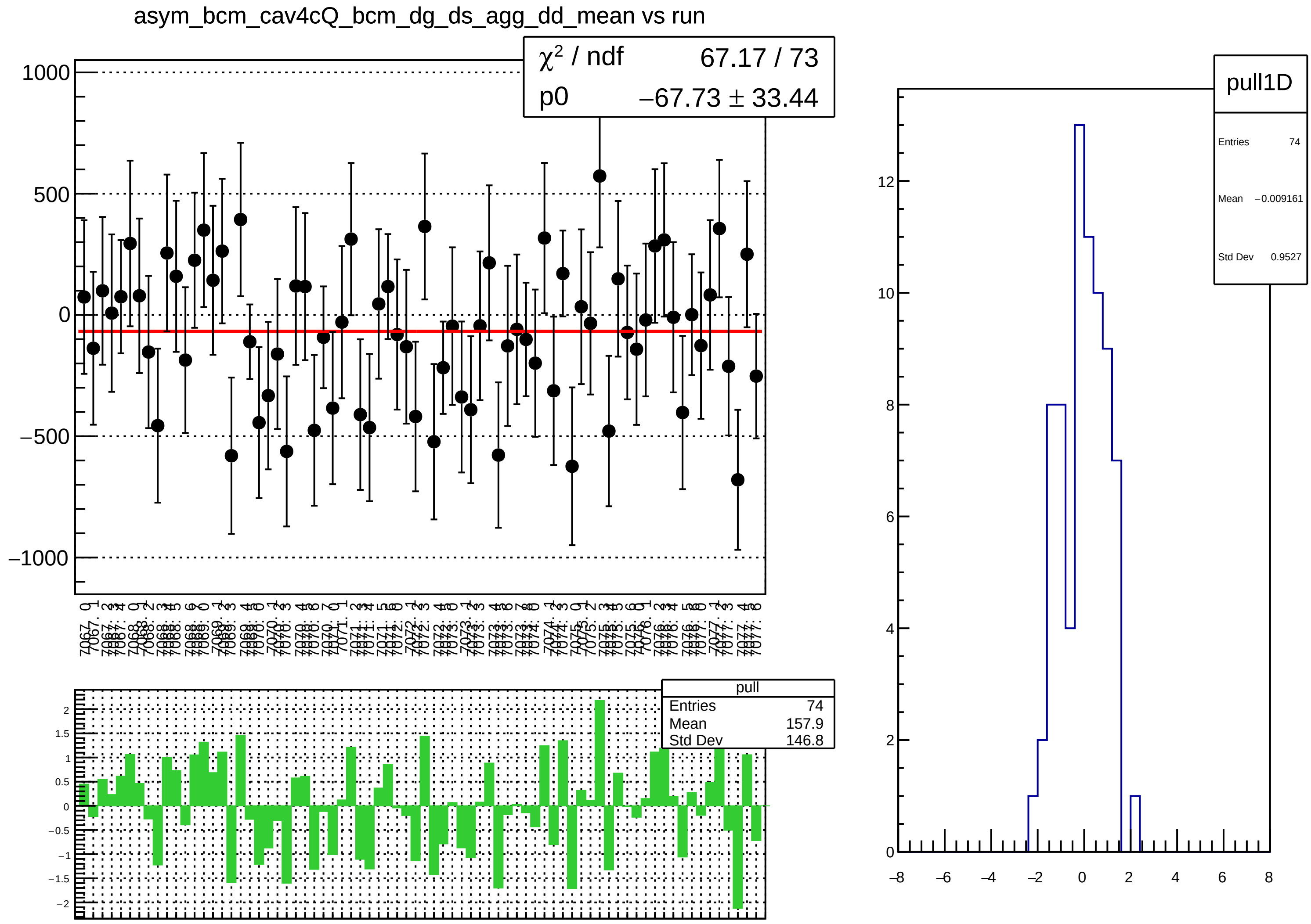

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ^2 / ndf 68.34 / 73
p0 −55.71 ± 37.01
pull
Entries 74
Mean 24.33
Std Dev 28.26
pull1D
Entries 74
Mean −0.03663
Std Dev 0.9603


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ2 / ndf 1001 / 73
p0 32.42 ± 0.02617
34
33
32
31
30
29

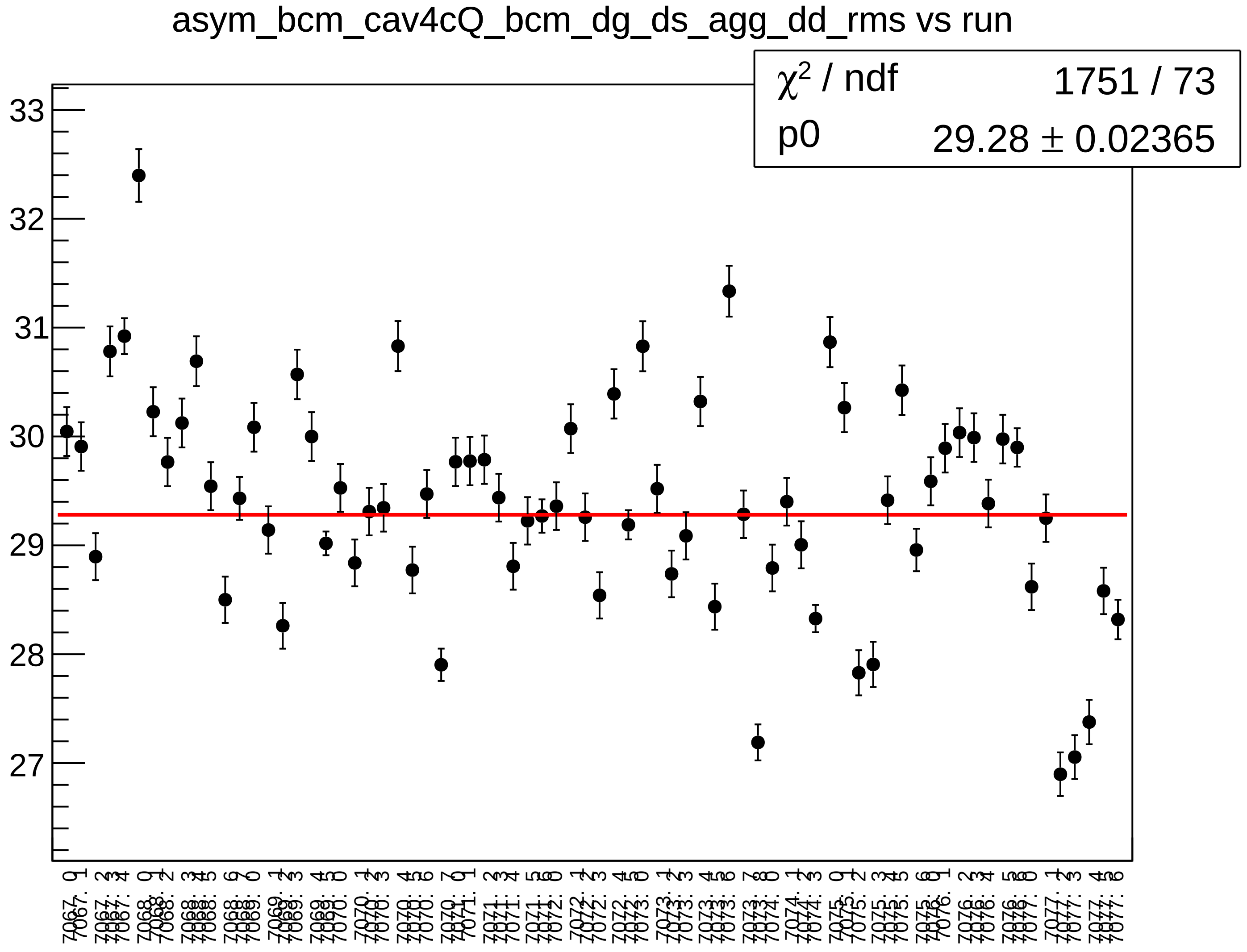

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 19.37 / 73
p0 −135.8 ± 219.8
pull
Entries 74
Mean 141.4
Std Dev 95.08
pull1D
Entries 74
Mean −0.01134
Std Dev 0.5115



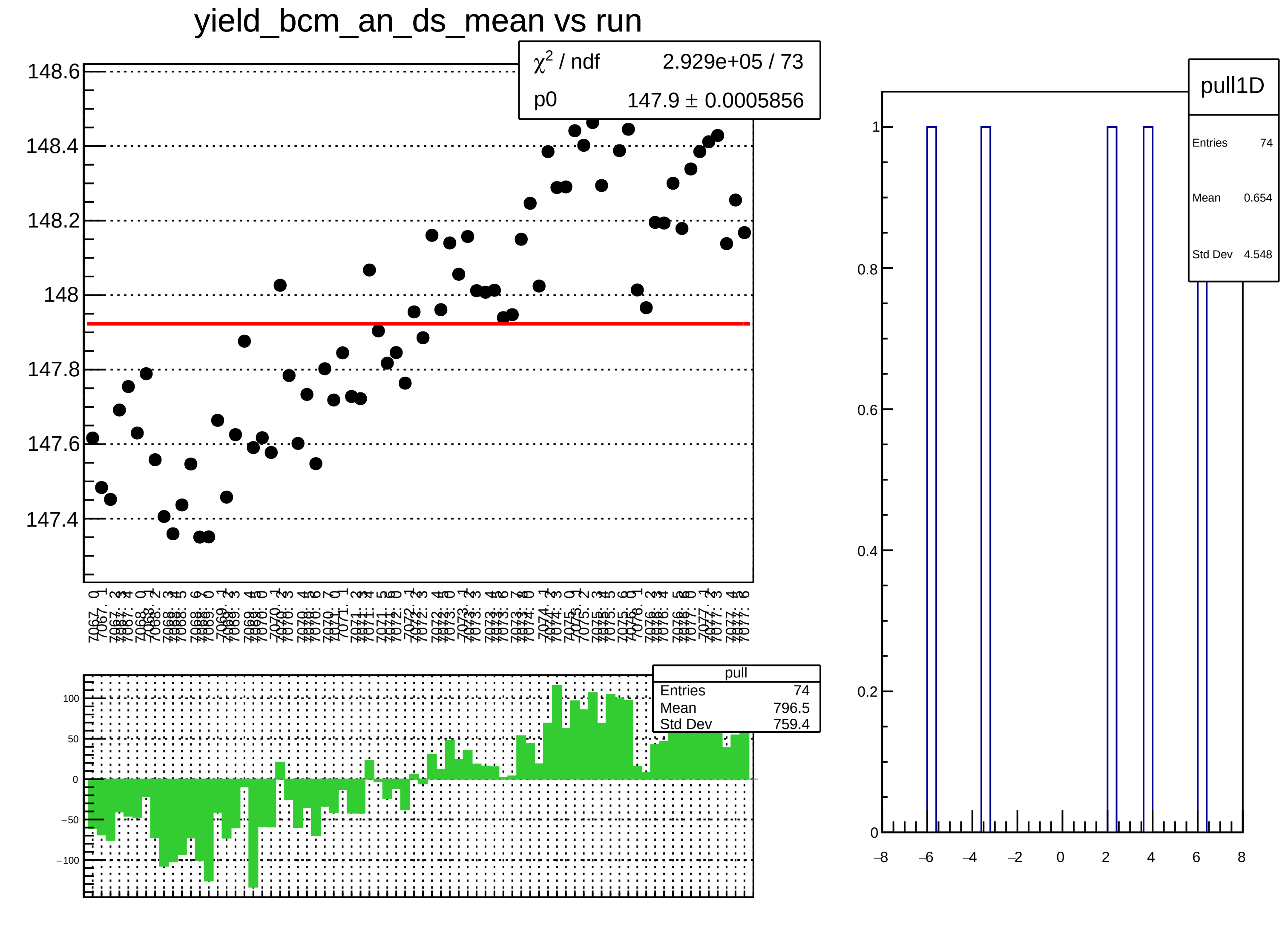
asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.193e+04 / 73
p0 191.8 ± 0.1554
280
260
240
220
200
180
160



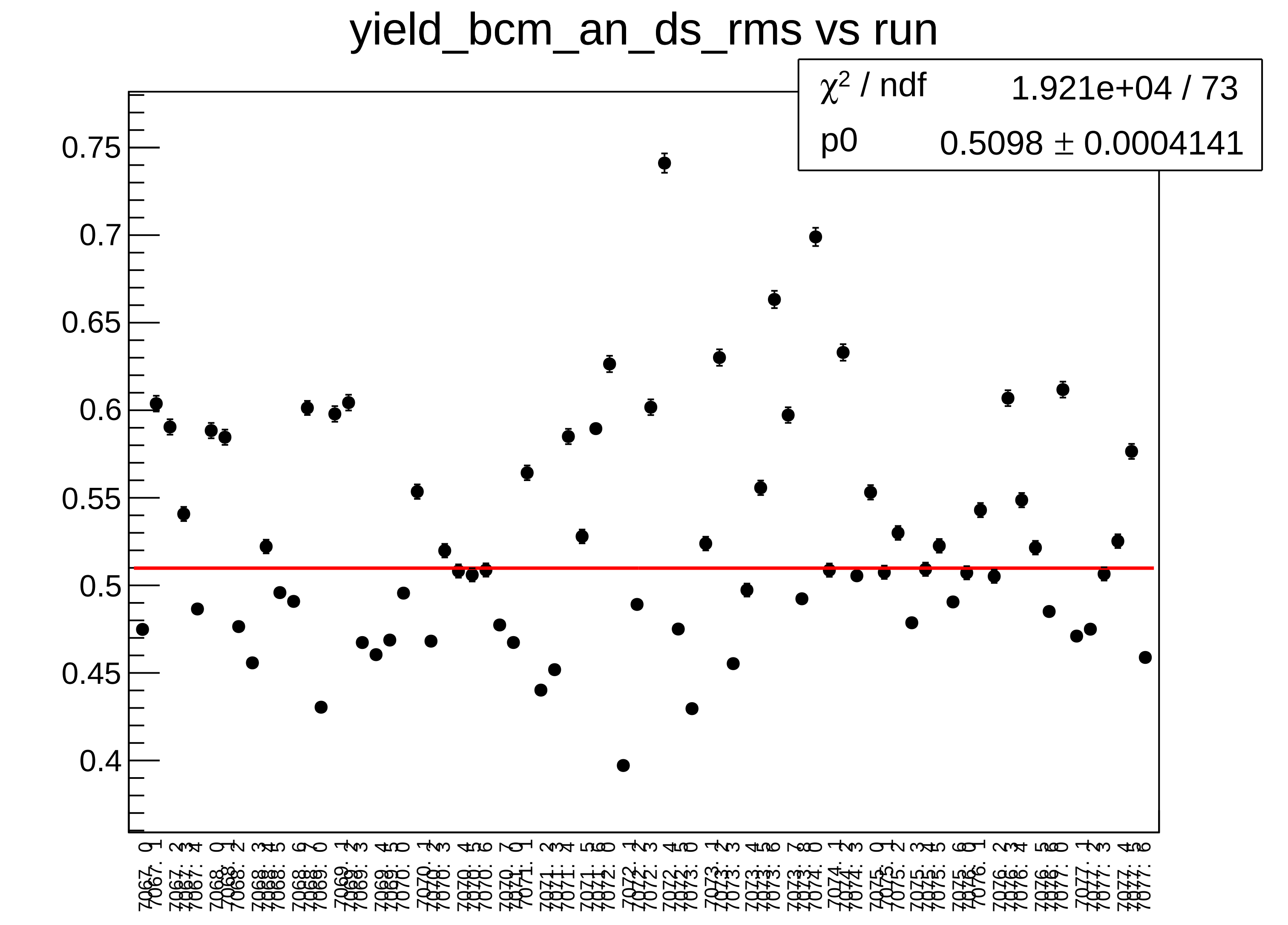
asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ2 / ndf 67.17 / 73
p0 −67.73 ± 33.44
pull
Entries 74
Mean 157.9
Std Dev 146.8
pull1D
Entries 74
Mean −0.009161
Std Dev 0.9527



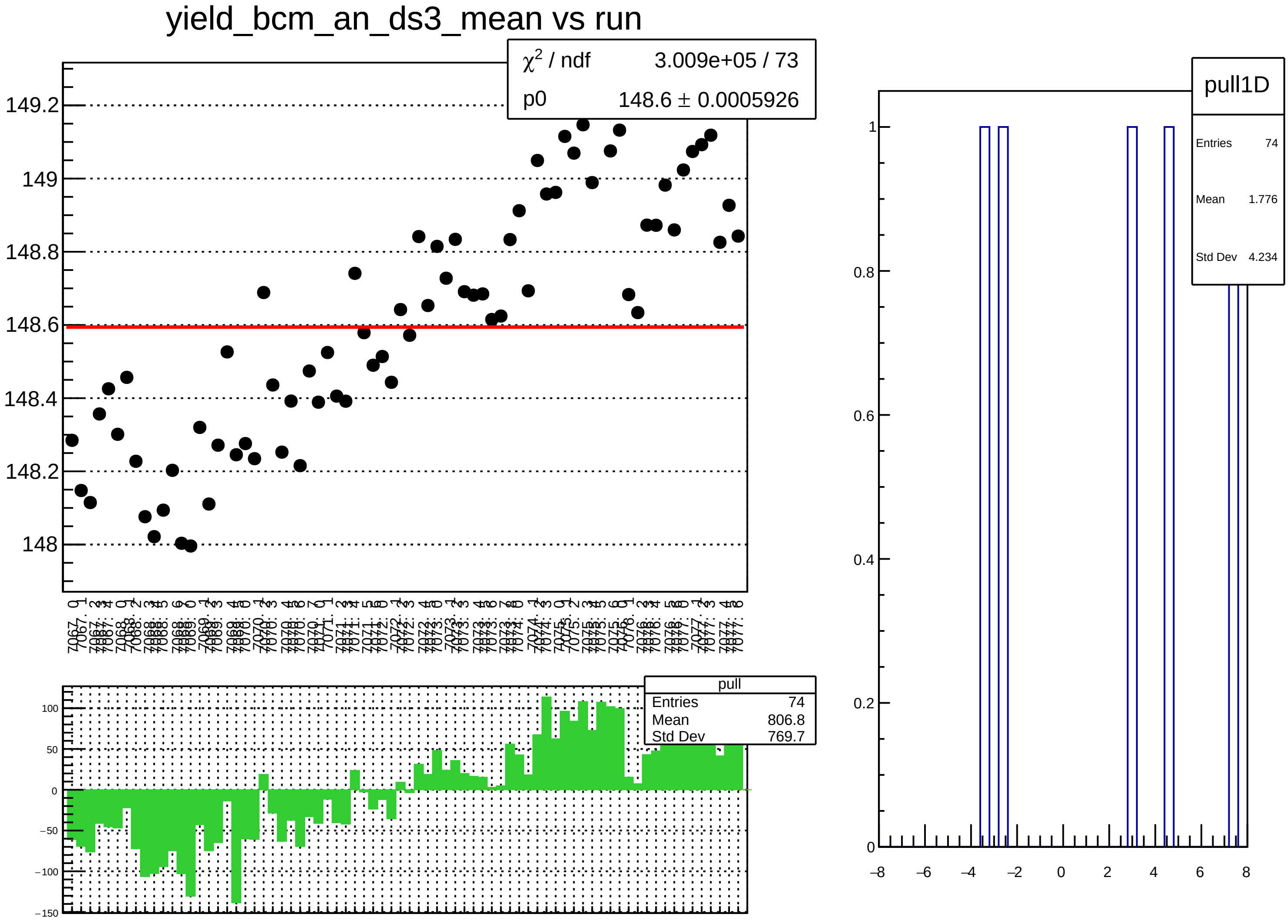
asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ2 / ndf 1751 / 73
p0 29.28 ± 0.02365
33
32
31
30
29
28
27

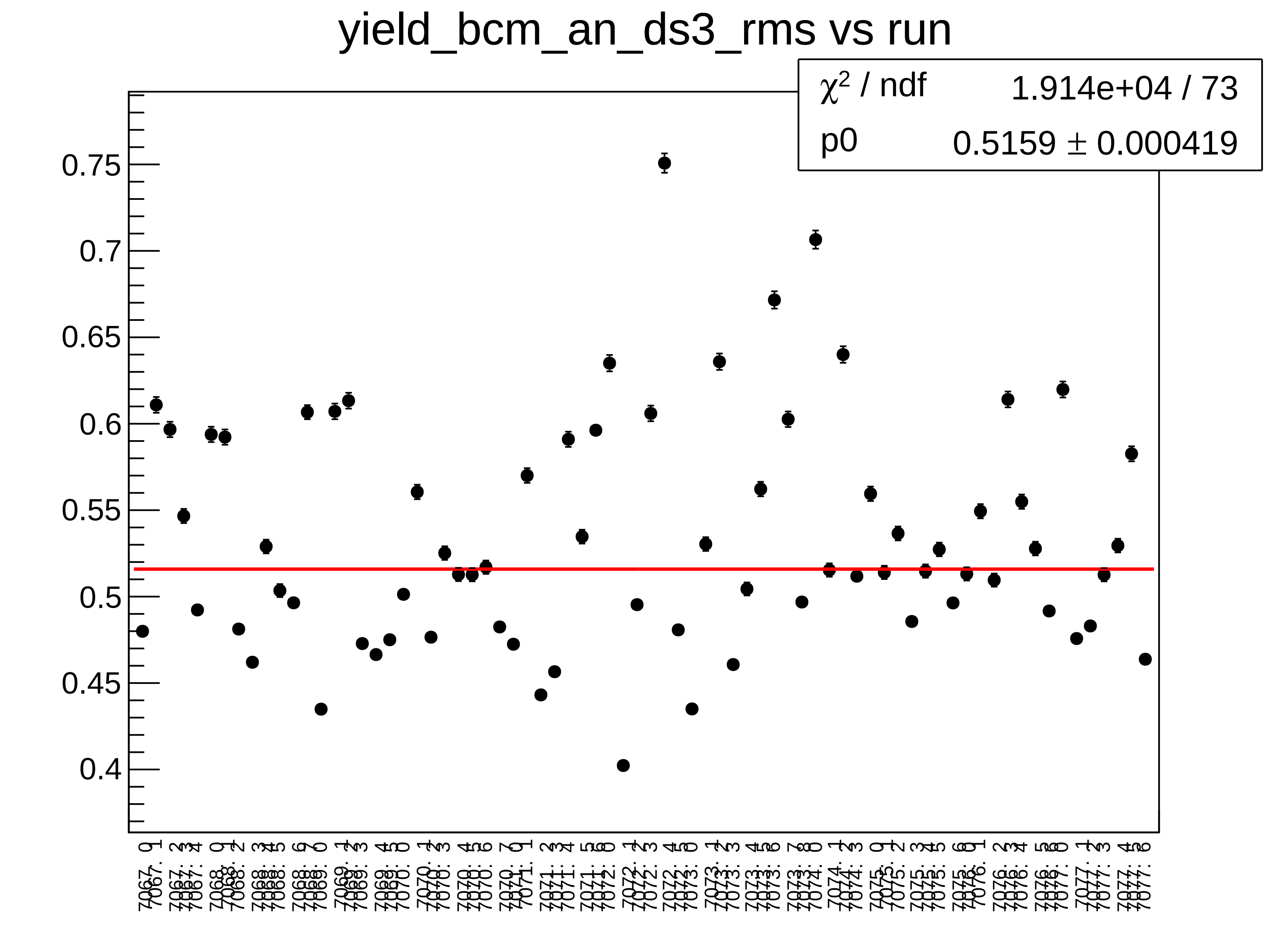


yield_bcm_an_ds_mean vs run
χ^2 / ndf 2.929e+05 / 73
p0 147.9 ± 0.0005856
pull
Entries 74
Mean 796.5
Std Dev 759.4
pull1D
Entries 74
Mean 0.654
Std Dev 4.548

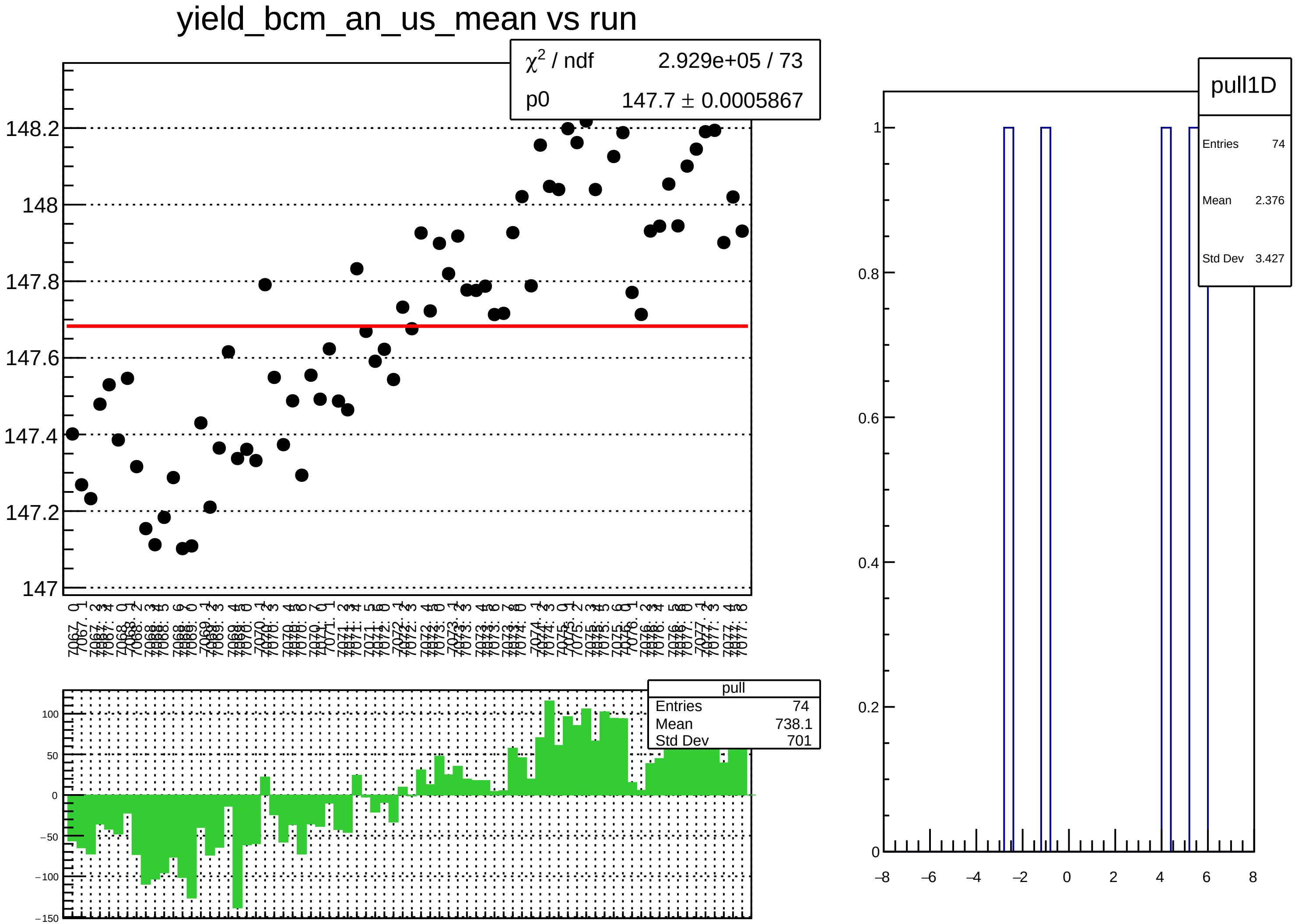


yield_bcm_an_ds_rms vs run
χ^2 / ndf 1.921e+04 / 73
p0 0.5098 ± 0.0004141
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4

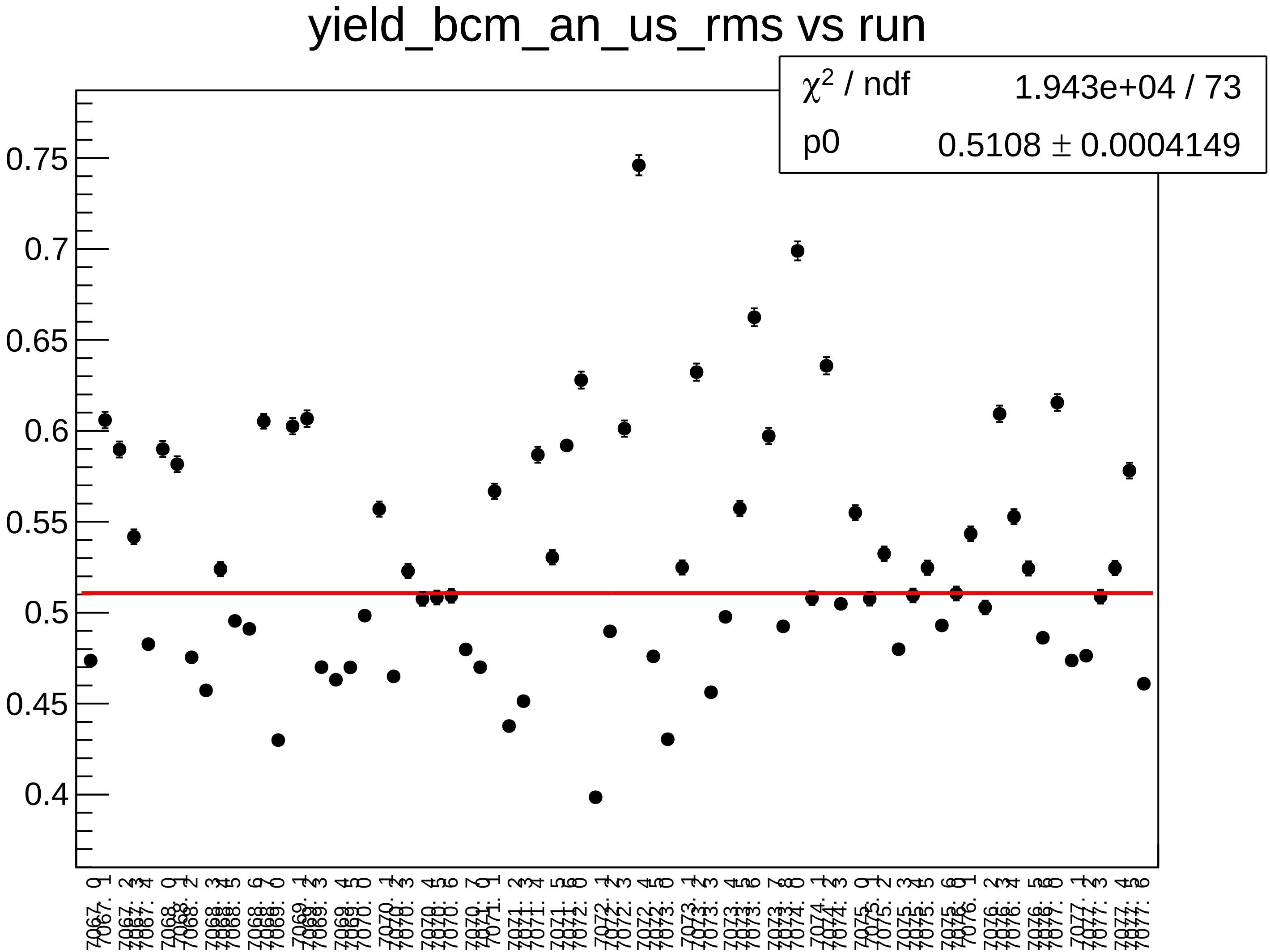

yield_bcm_an_ds3_mean vs run
χ2 / ndf 3.009e+05 / 73
p0 148.6 ± 0.0005926
149.2
149
148.8
148.6
148.4
148.2
148
pull
Entries 74
Mean 806.8
Std Dev 769.7
100
50
0
−50
−100
−150
pull1D
Entries 74
Mean 1.776
Std Dev 4.234
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



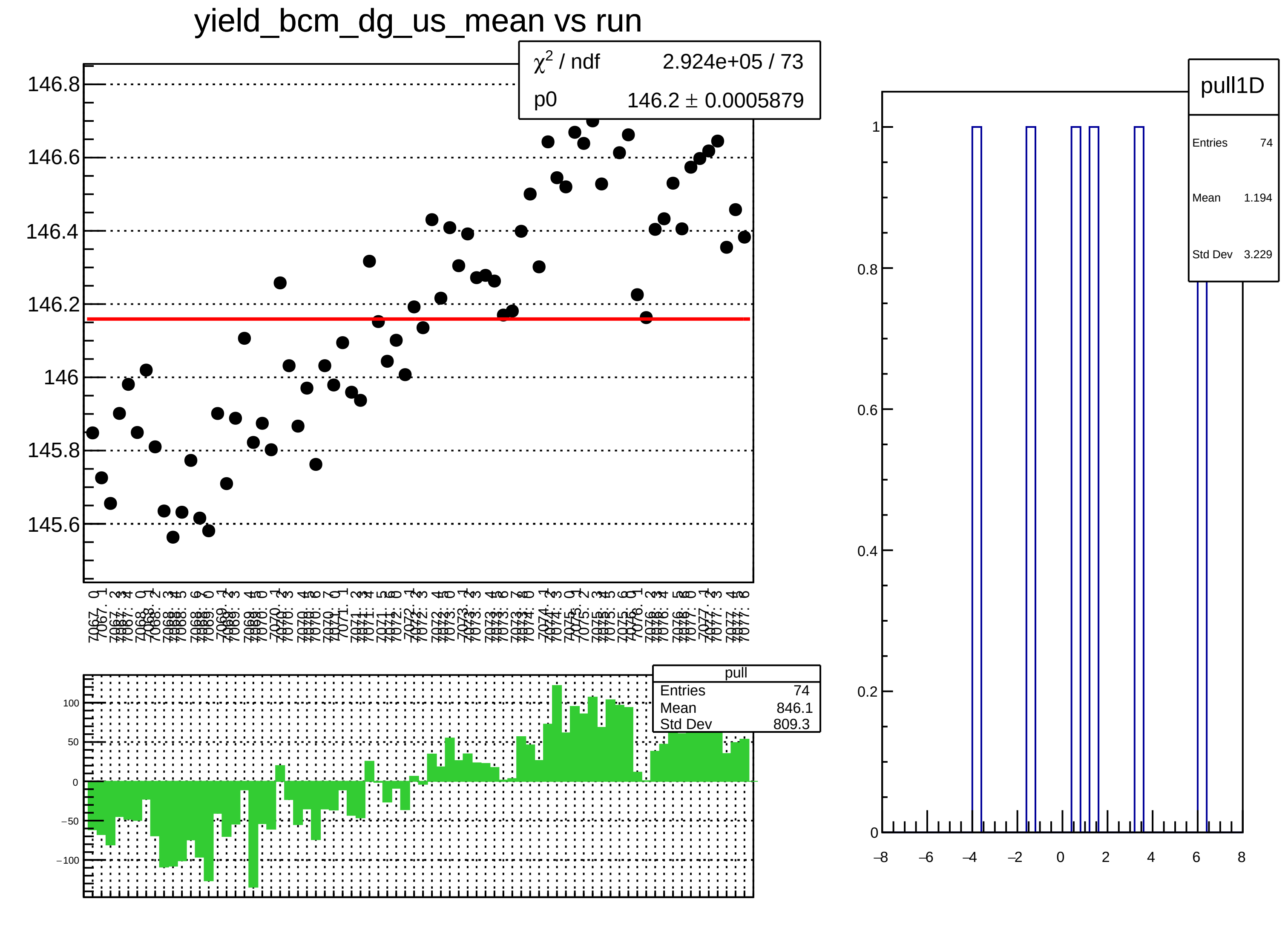
yield_bcm_an_ds3_rms vs run
χ^2 / ndf 1.914e+04 / 73
p0 0.5159 ± 0.000419
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4



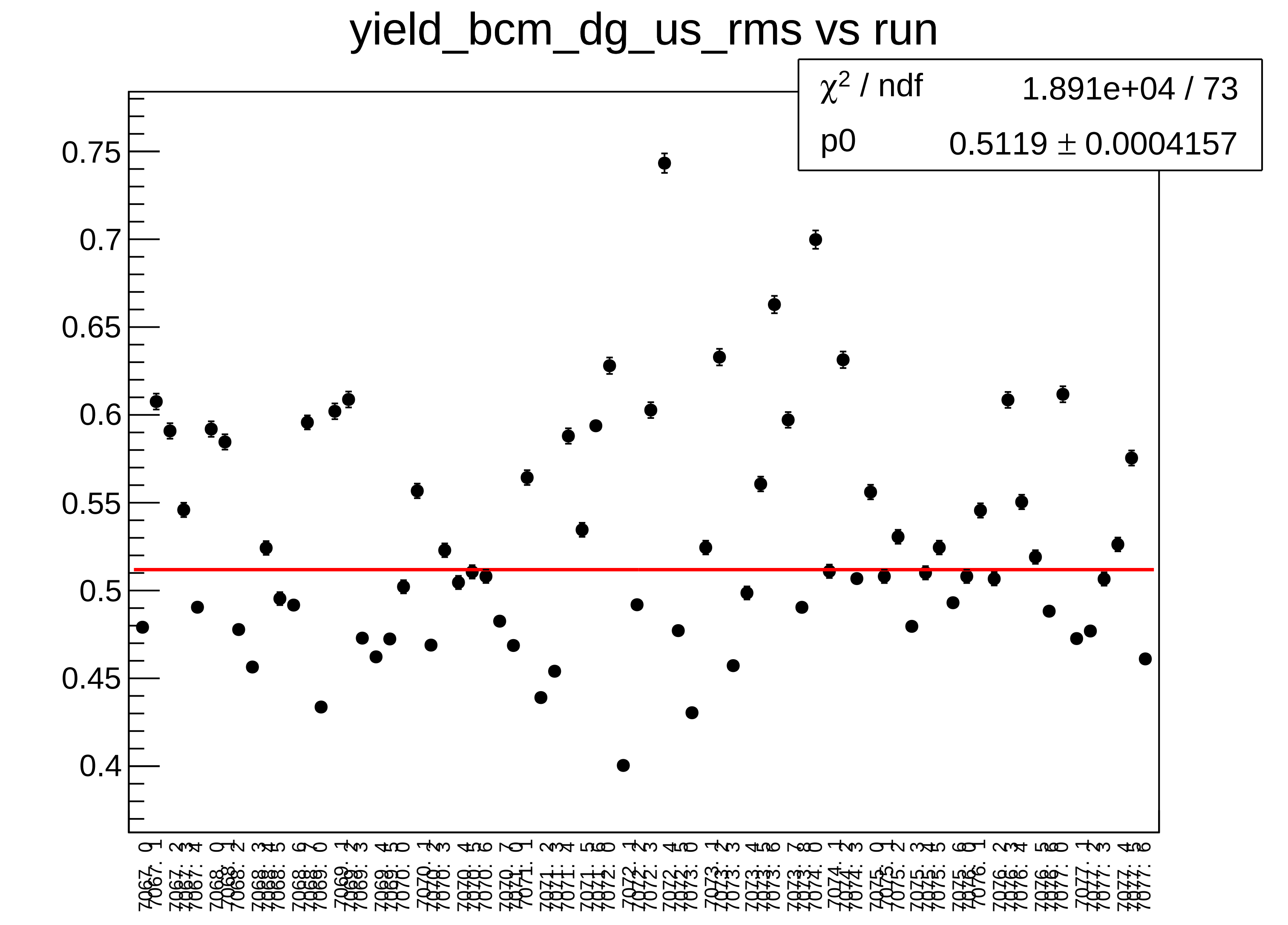
yield_bcm_an_us_mean vs run
χ^2 / ndf 2.929e+05 / 73
p0 147.7 ± 0.0005867
pull
Entries 74
Mean 738.1
Std Dev 701
pull1D
Entries 74
Mean 2.376
Std Dev 3.427

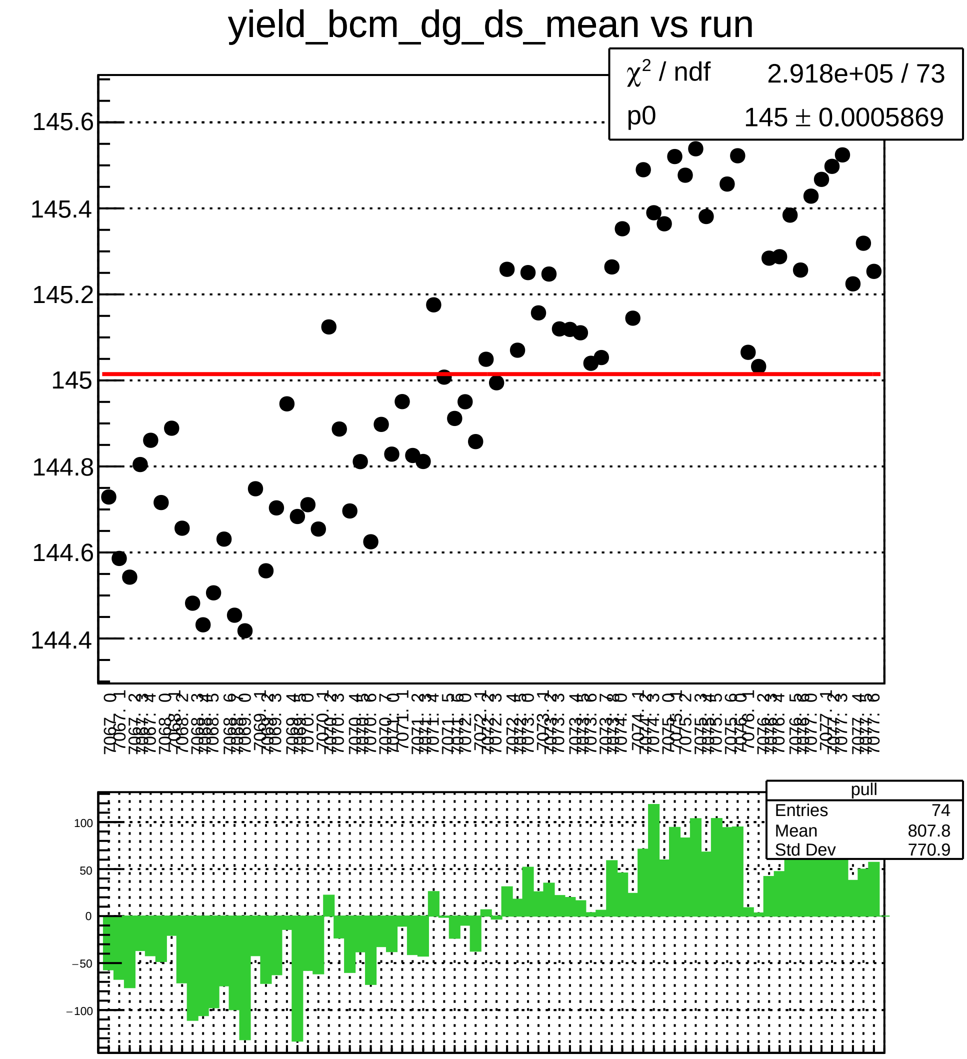


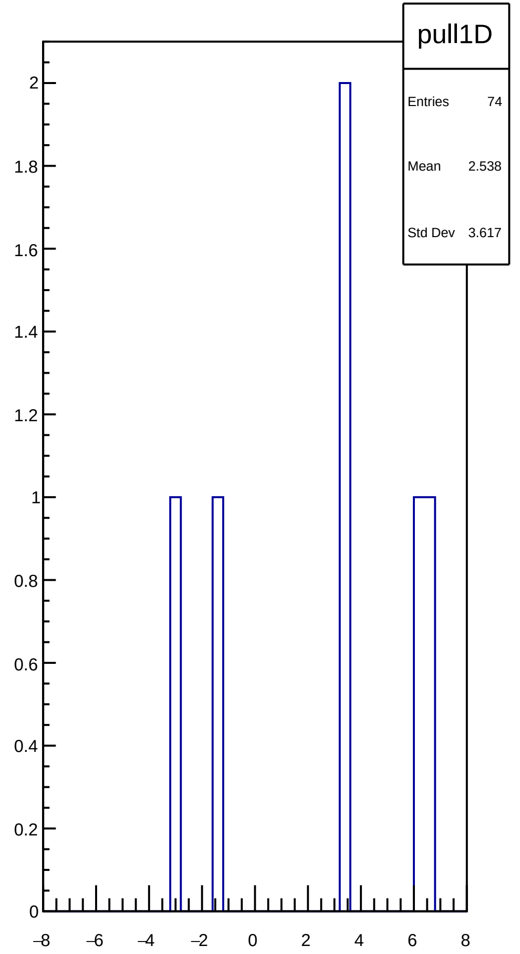
yield_bcm_an_us_rms vs run
χ^2 / ndf 1.943e+04 / 73
p0 0.5108 ± 0.0004149
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4

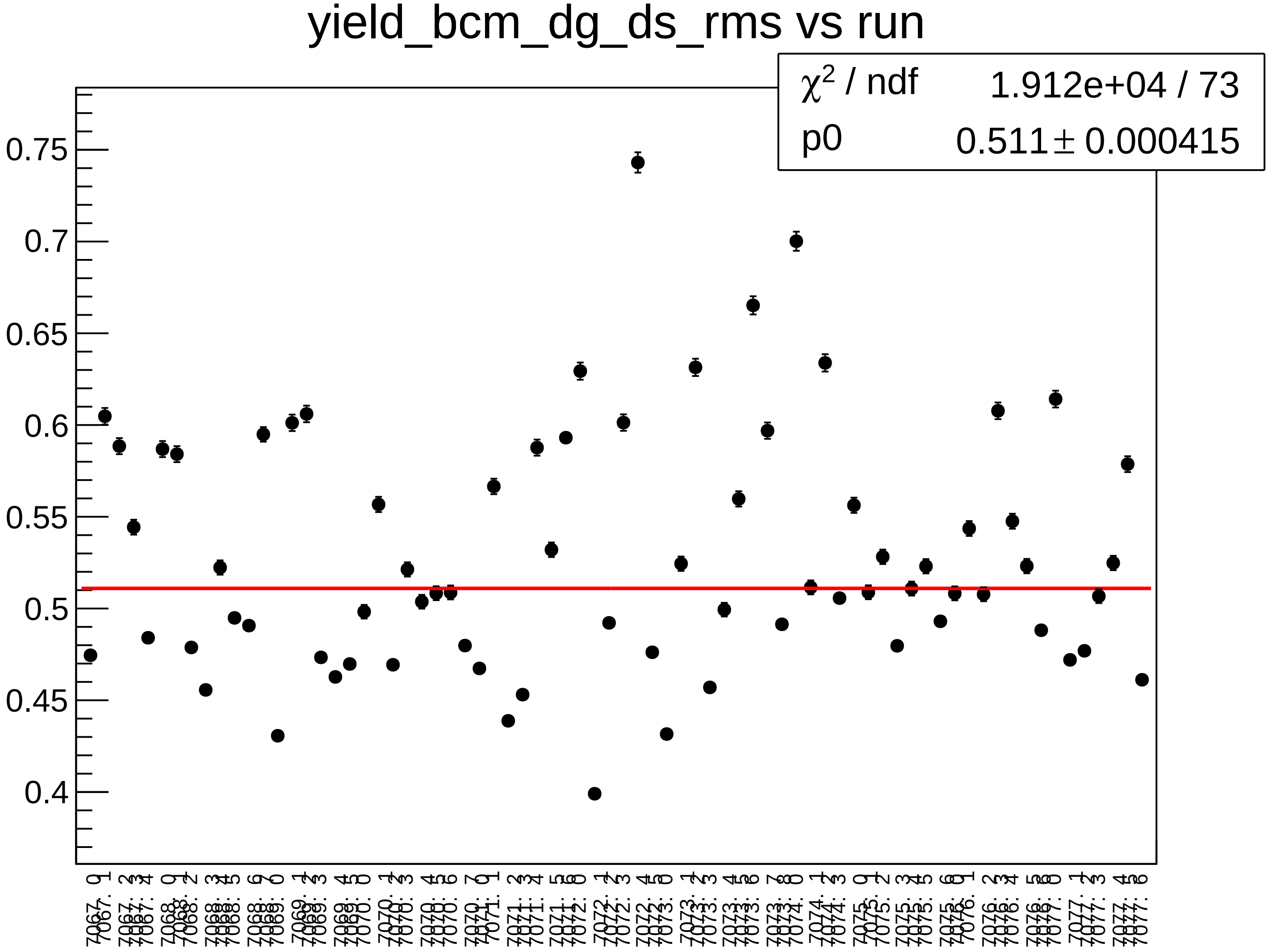


yield_bcm_dg_us_mean vs run
χ^2 / ndf 2.924e+05 / 73
p0 146.2 ± 0.0005879
pull
Entries 74
Mean 846.1
Std Dev 809.3
pull1D
Entries 74
Mean 1.194
Std Dev 3.229

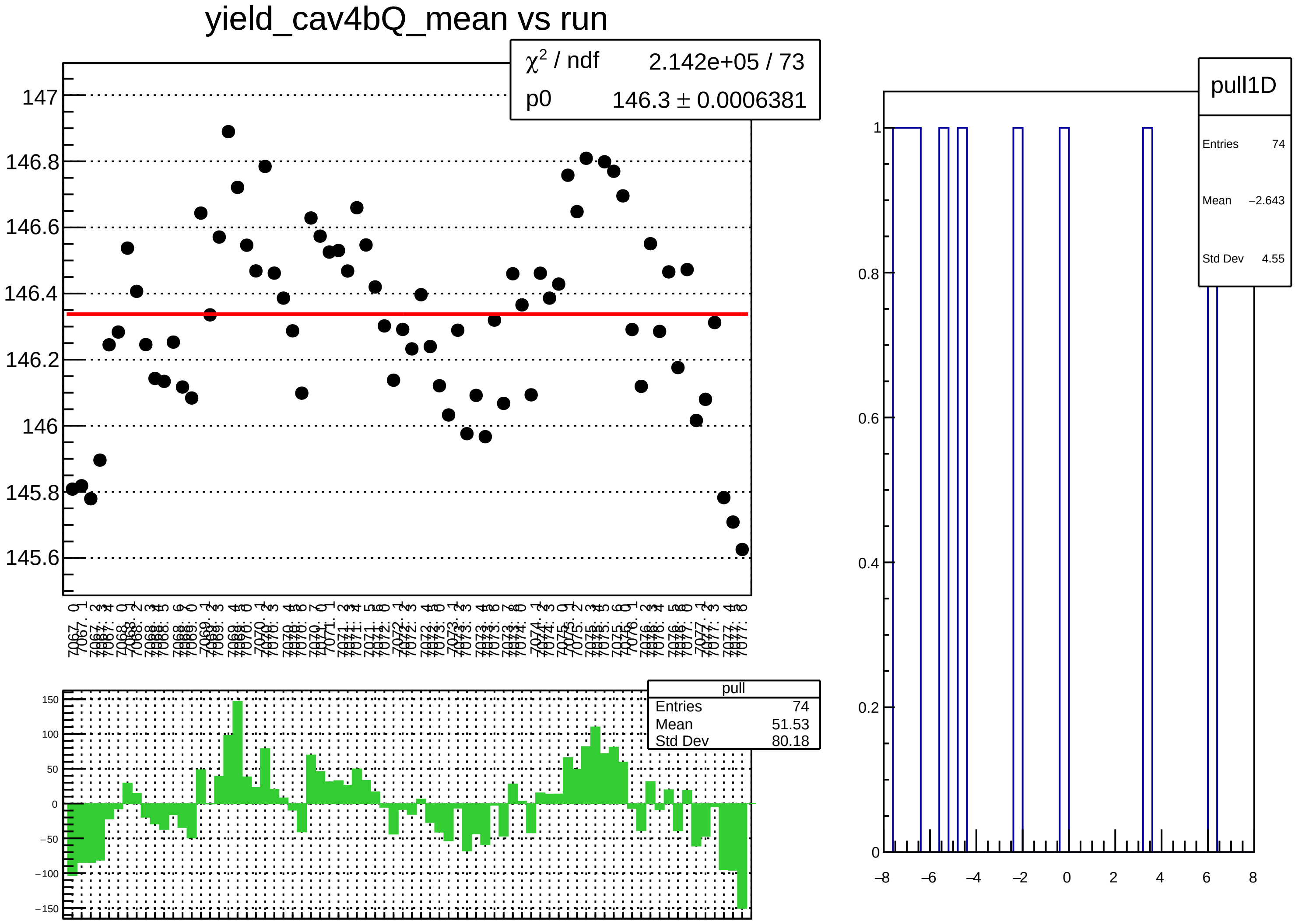

yield_bcm_dg_us_rms vs run
χ2 / ndf 1.891e+04 / 73
p0 0.5119 ± 0.0004157
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4


yield_bcm_dg_ds_mean vs run
χ2 / ndf 2.918e+05 / 73
p0 145 ± 0.0005869
pull
Entries 74
Mean 807.8
Std Dev 770.9

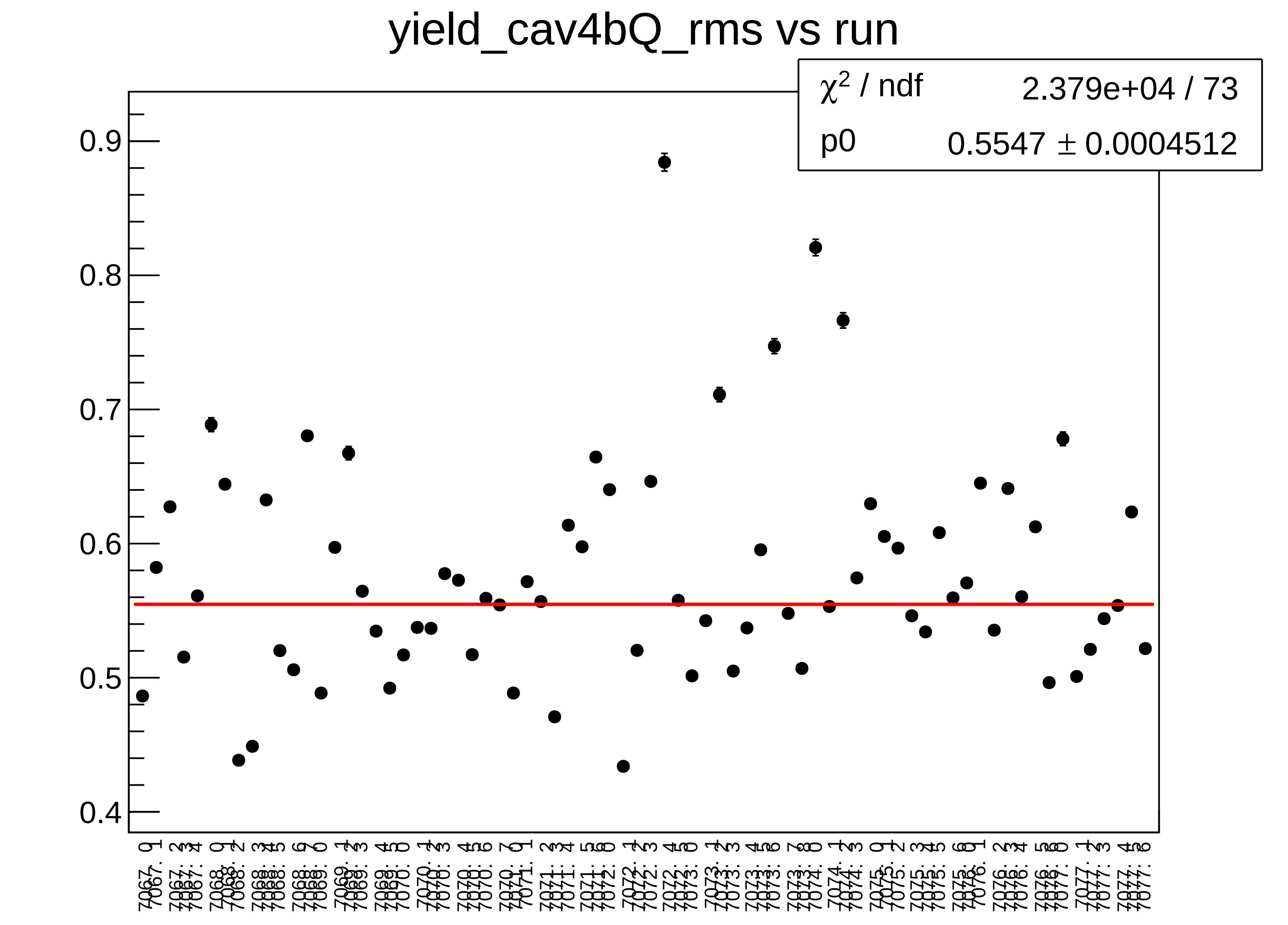

pull1D
Entries 74
Mean 2.538
Std Dev 3.617



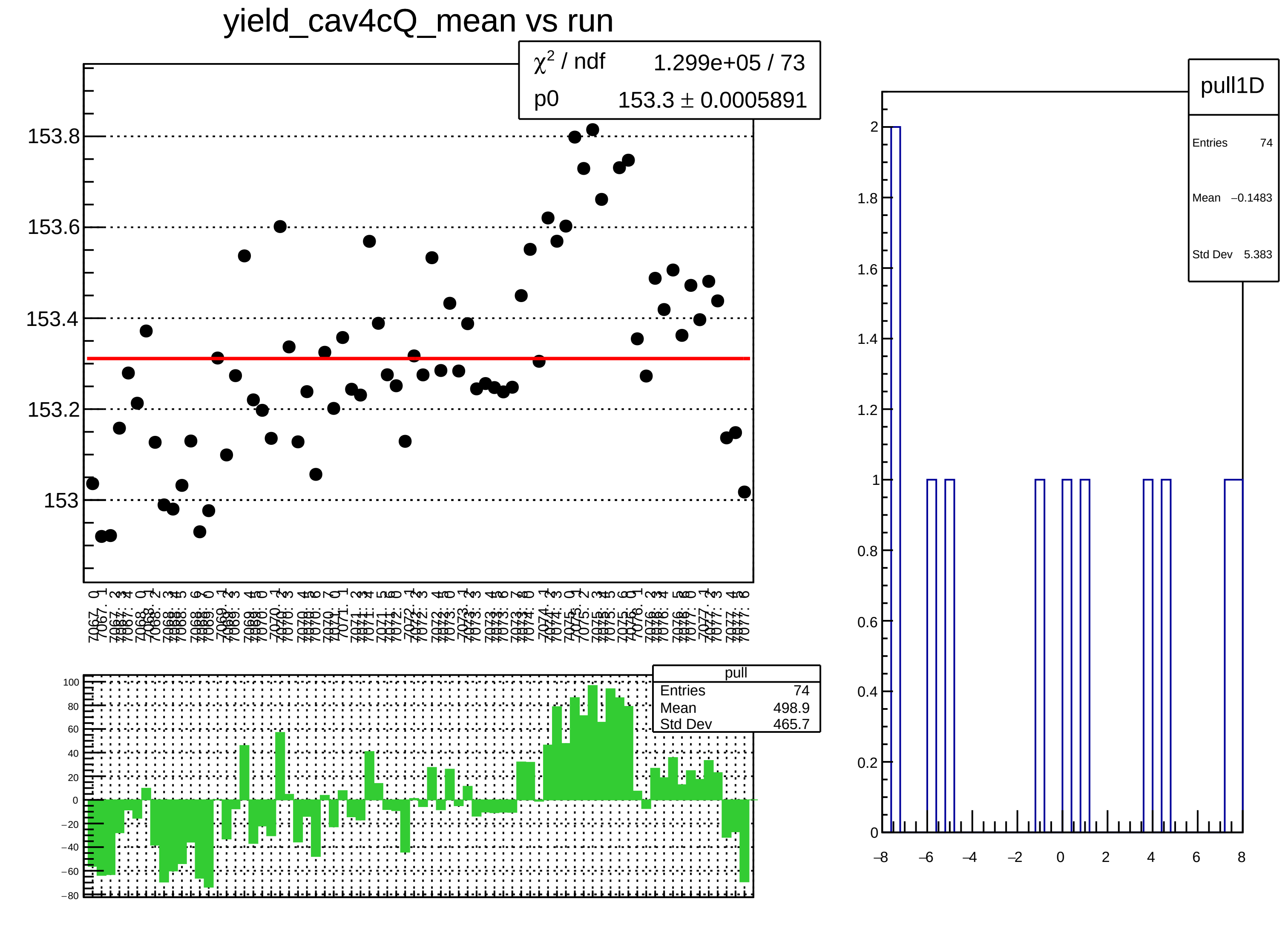
yield_bcm_dg_ds_rms vs run
χ2 / ndf 1.912e+04 / 73
p0 0.511 ± 0.000415
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4



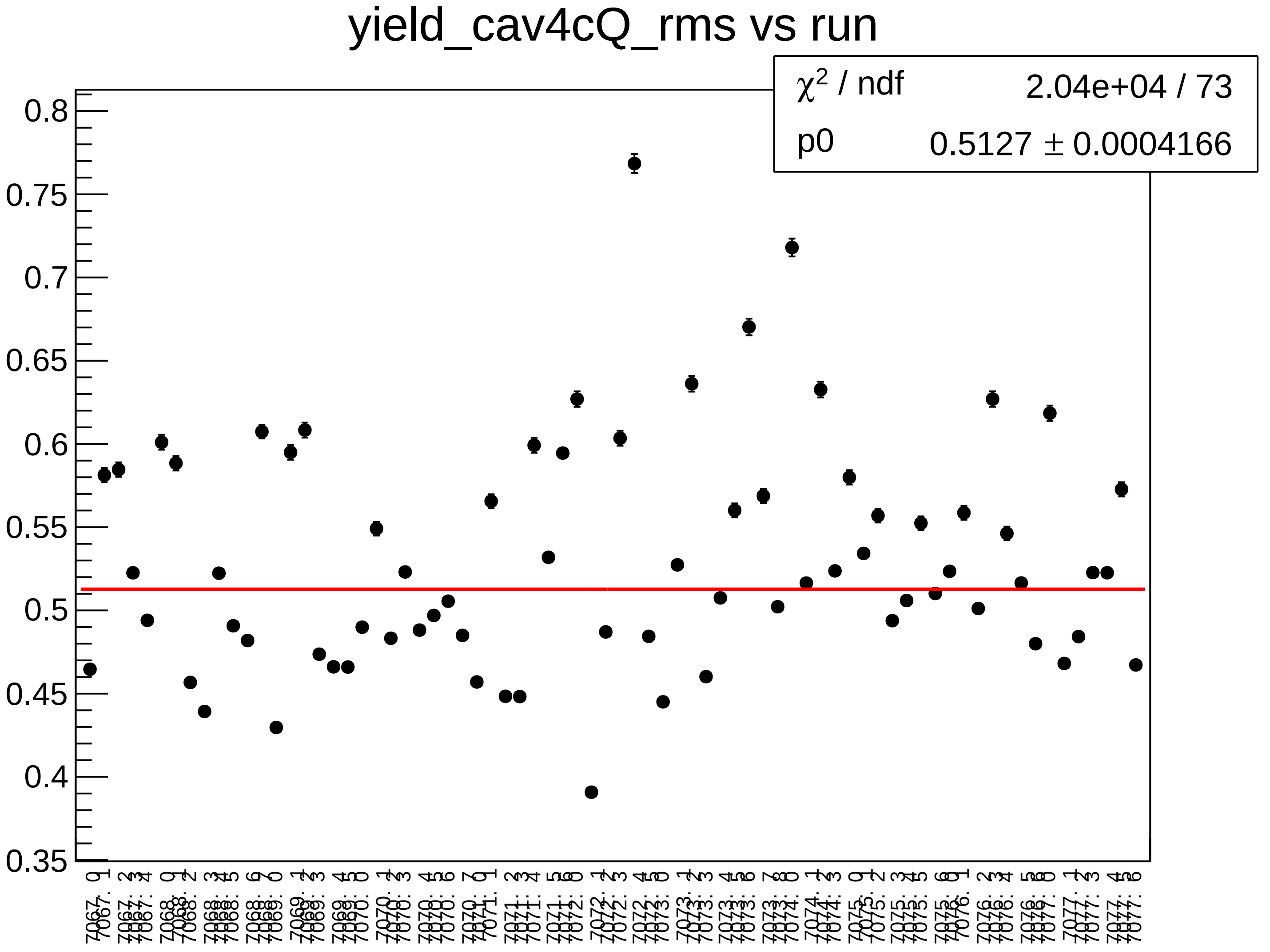
yield_cav4bQ_mean vs run
χ2 / ndf 2.142e+05 / 73
p0 146.3 ± 0.0006381
pull
Entries 74
Mean 51.53
Std Dev 80.18
pull1D
Entries 74
Mean −2.643
Std Dev 4.55

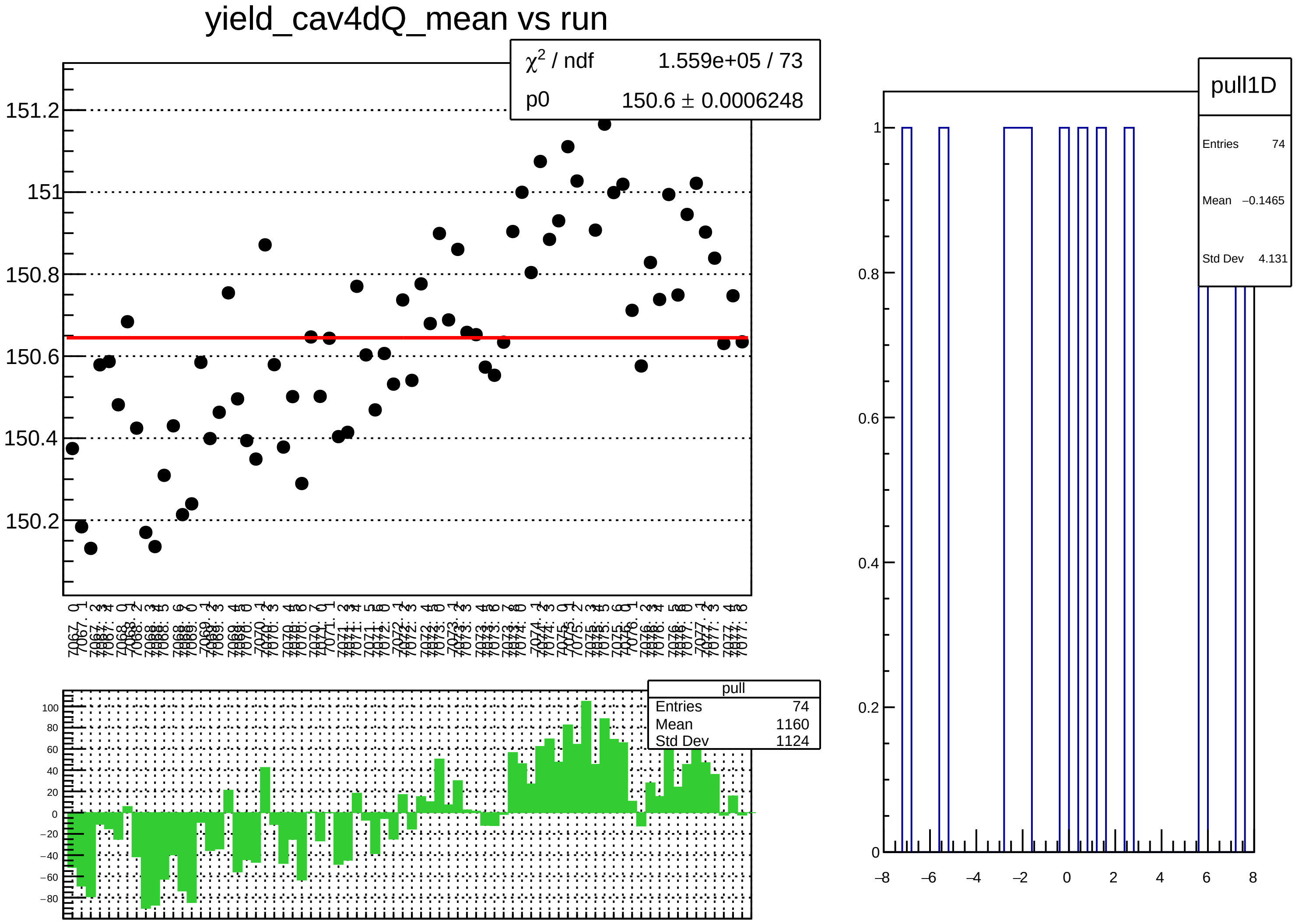


yield_cav4bQ_rms vs run
χ^2 / ndf 2.379e+04 / 73
p0 0.5547 ± 0.0004512
0.9
0.8
0.7
0.6
0.5
0.4

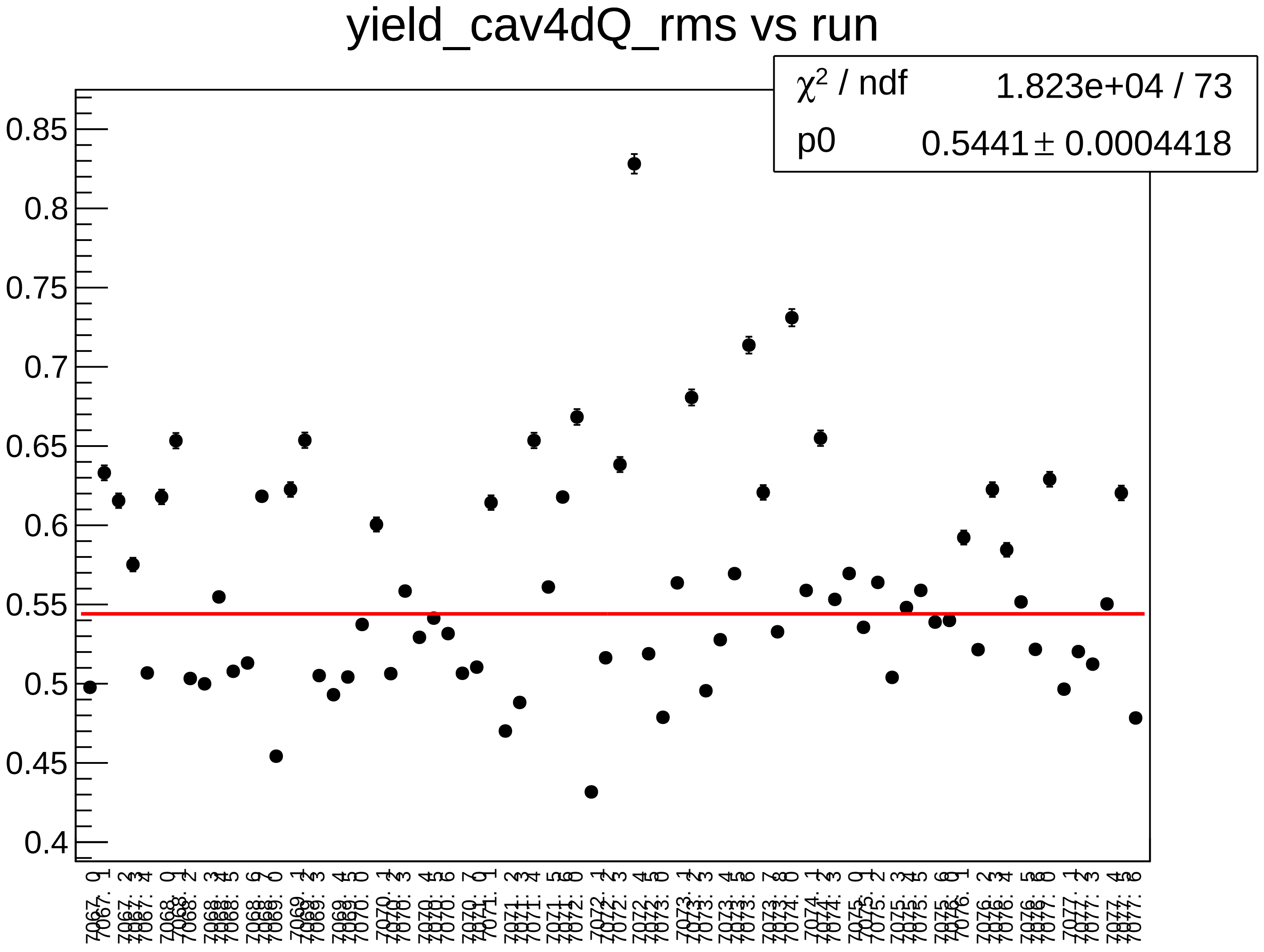


yield_cav4cQ_mean vs run
χ^2 / ndf 1.299e+05 / 73
p0 153.3 ± 0.0005891
153.8
153.6
153.4
153.2
153
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 74
Mean 498.9
Std Dev 465.7
pull1D
Entries 74
Mean −0.1483
Std Dev 5.383
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

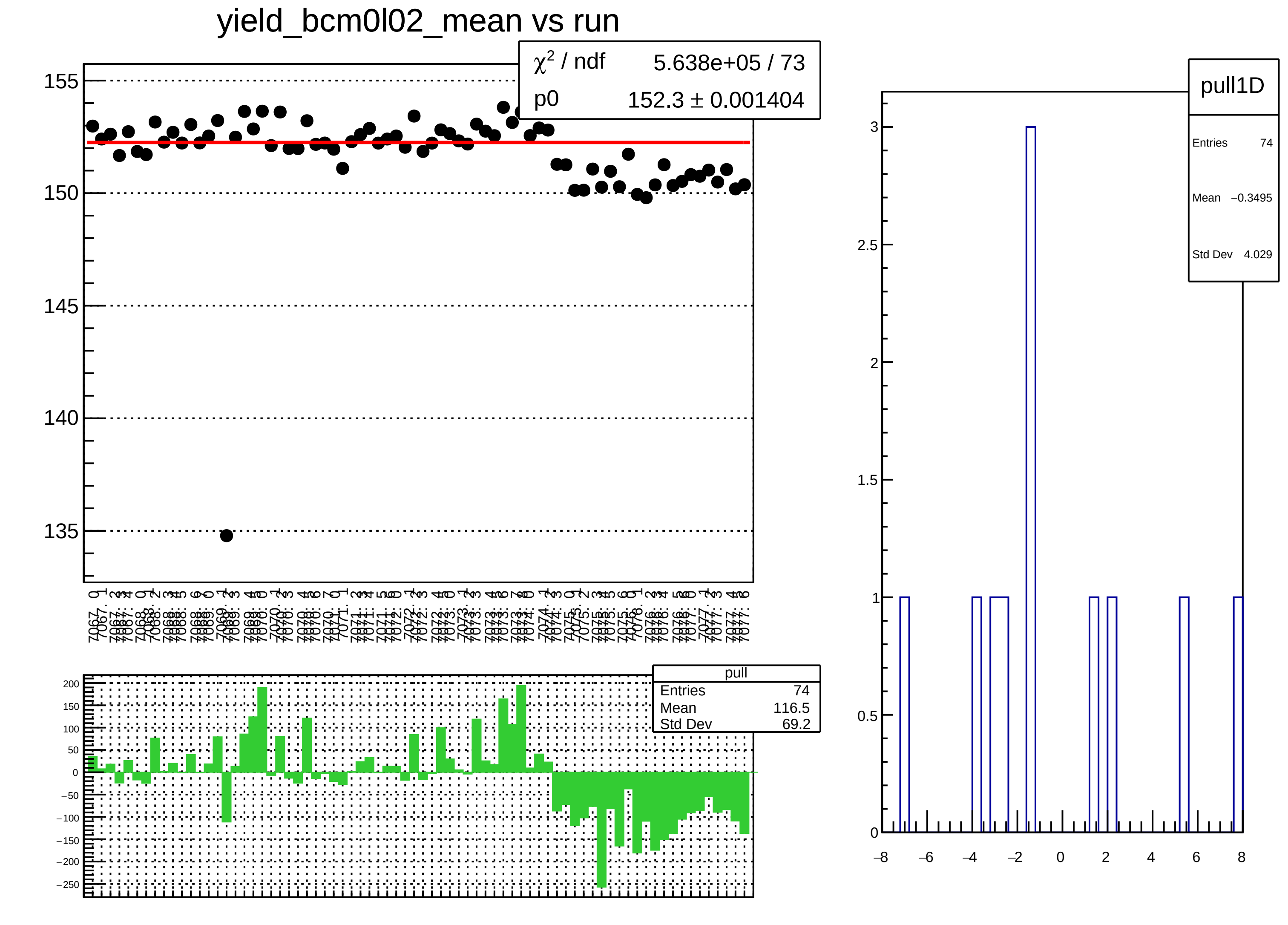

yield_cav4cQ_rms vs run
χ2 / ndf 2.04e+04 / 73
p0 0.5127 ± 0.0004166
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35



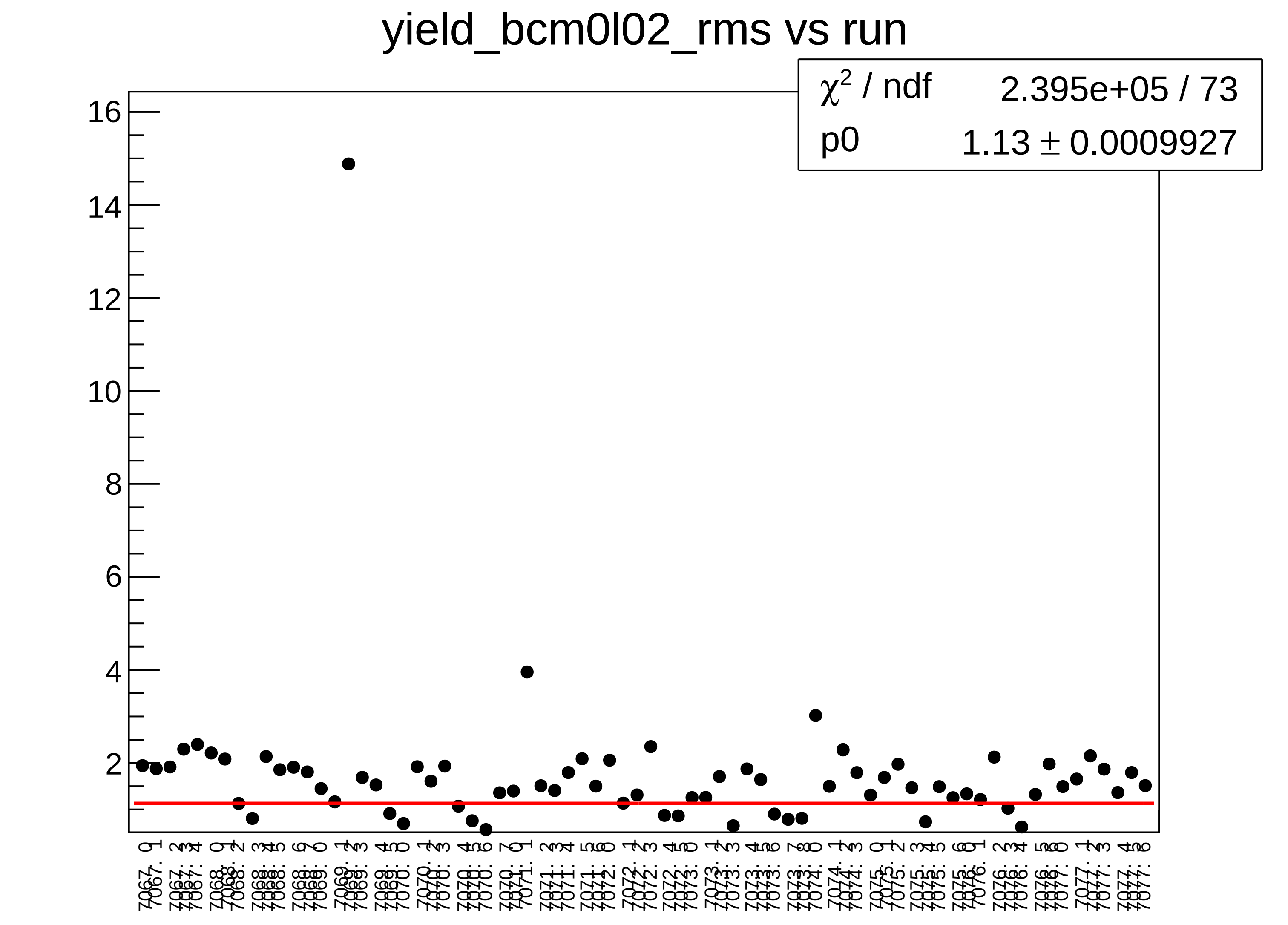
yield_cav4dQ_mean vs run
χ2 / ndf 1.559e+05 / 73
p0 150.6 ± 0.0006248
pull
Entries 74
Mean 1160
Std Dev 1124
pull1D
Entries 74
Mean −0.1465
Std Dev 4.131



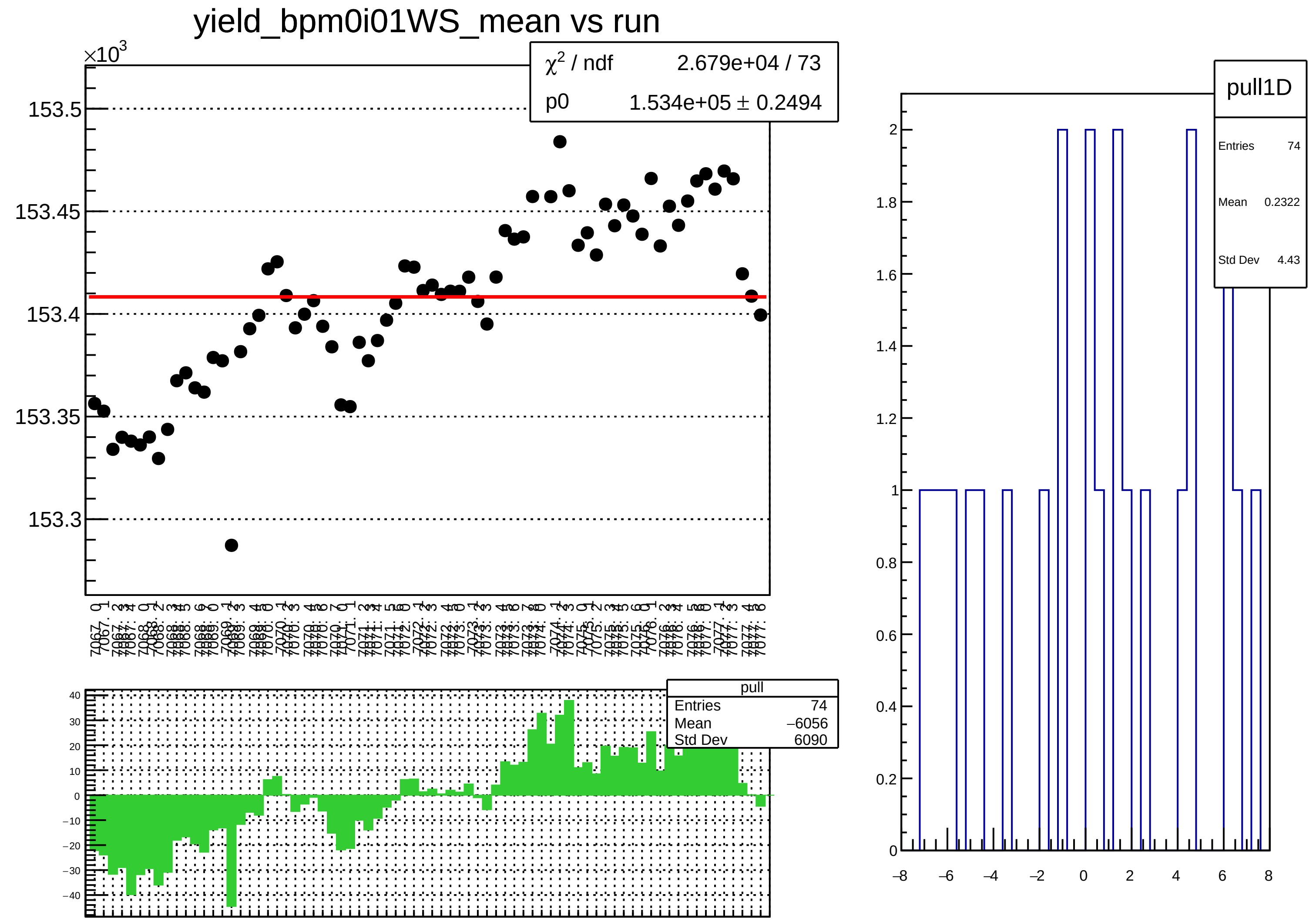
yield_cav4dQ_rms vs run
χ^2 / ndf 1.823e+04 / 73
p0 0.5441 ± 0.0004418
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4



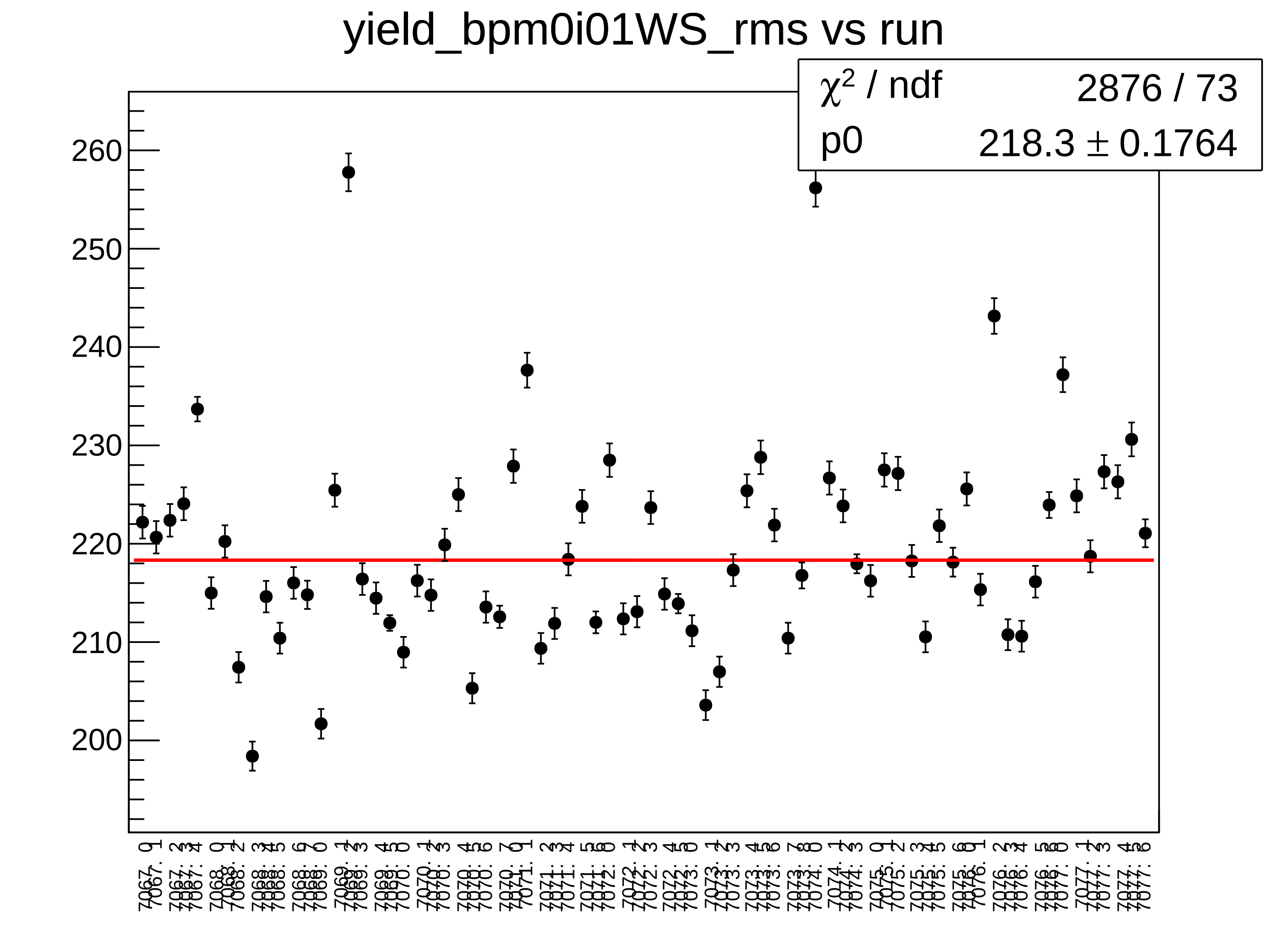
yield_bcm0l02_mean vs run
χ^2 / ndf 5.638e+05 / 73
p0 152.3 ± 0.001404
pull
Entries 74
Mean 116.5
Std Dev 69.2
pull1D
Entries 74
Mean −0.3495
Std Dev 4.029



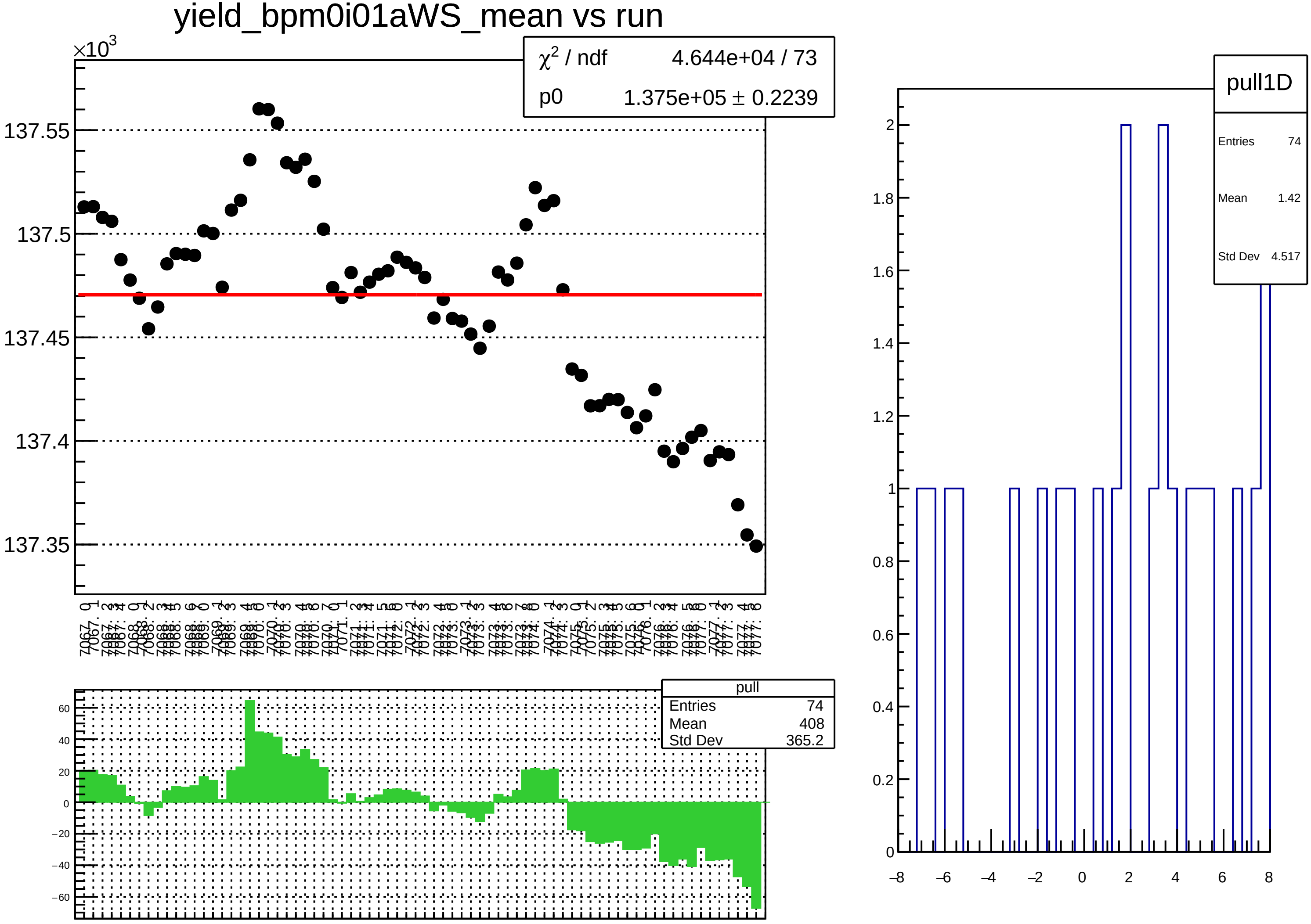
yield_bcm0l02_rms vs run
χ^2 / ndf 2.395e+05 / 73
p0 1.13 ± 0.0009927
16
14
12
10
8
6
4
2



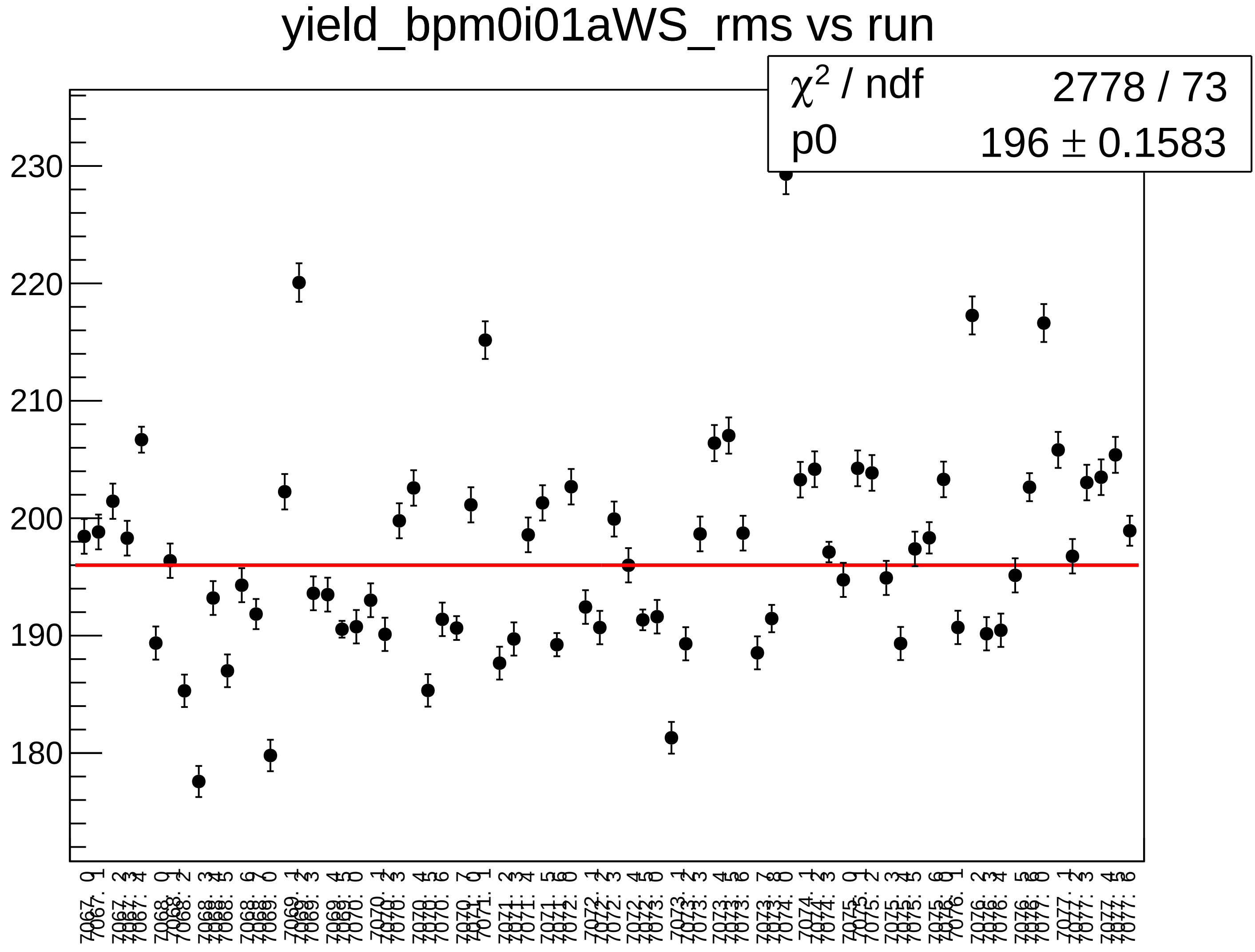
yield_bpm0i01WS_mean vs run
χ2 / ndf 2.679e+04 / 73
p0 1.534e+05 ± 0.2494
pull
Entries 74
Mean −6056
Std Dev 6090
pull1D
Entries 74
Mean 0.2322
Std Dev 4.43



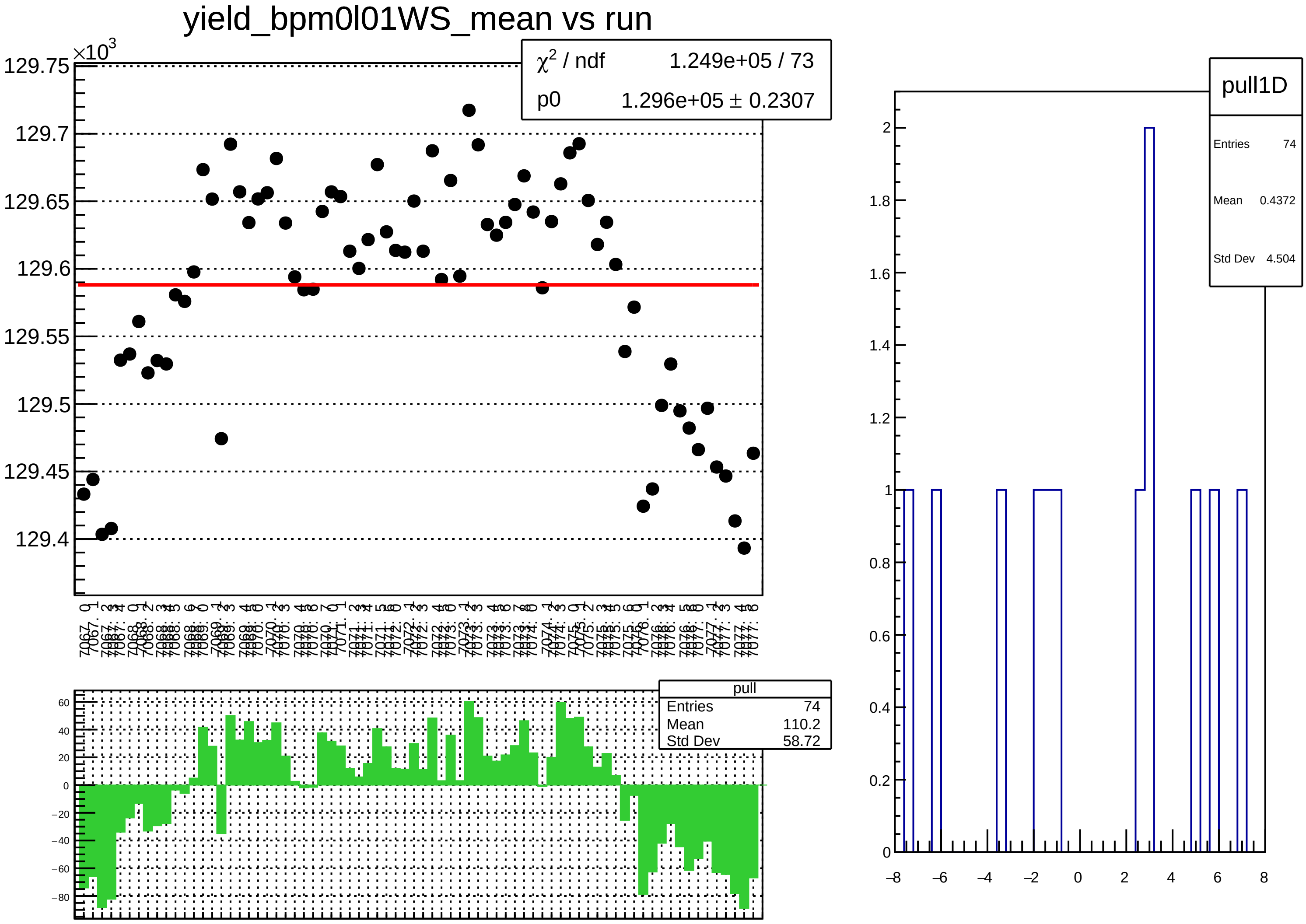
yield_bpm0i01WS_rms vs run
χ^2 / ndf 2876 / 73
p0 218.3 ± 0.1764
260
250
240
230
220
210
200



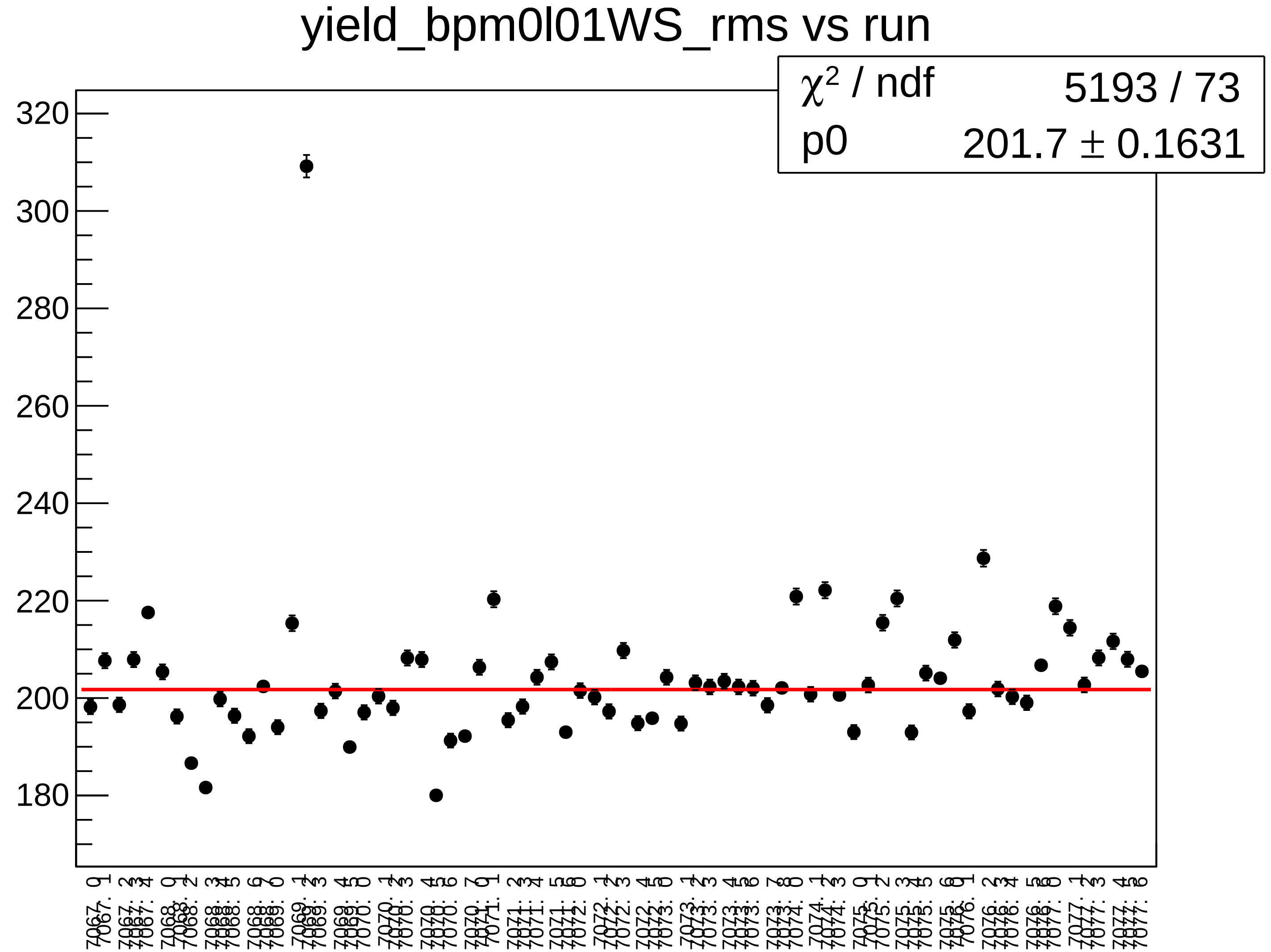
yield_bpm0i01aWS_mean vs run
×10^3
χ^2 / ndf 4.644e+04 / 73
p0 1.375e+05 ± 0.2239
137.55
137.5
137.45
137.4
137.35
pull
Entries 74
Mean 408
Std Dev 365.2
60
40
20
0
−20
−40
−60
pull1D
Entries 74
Mean 1.42
Std Dev 4.517
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



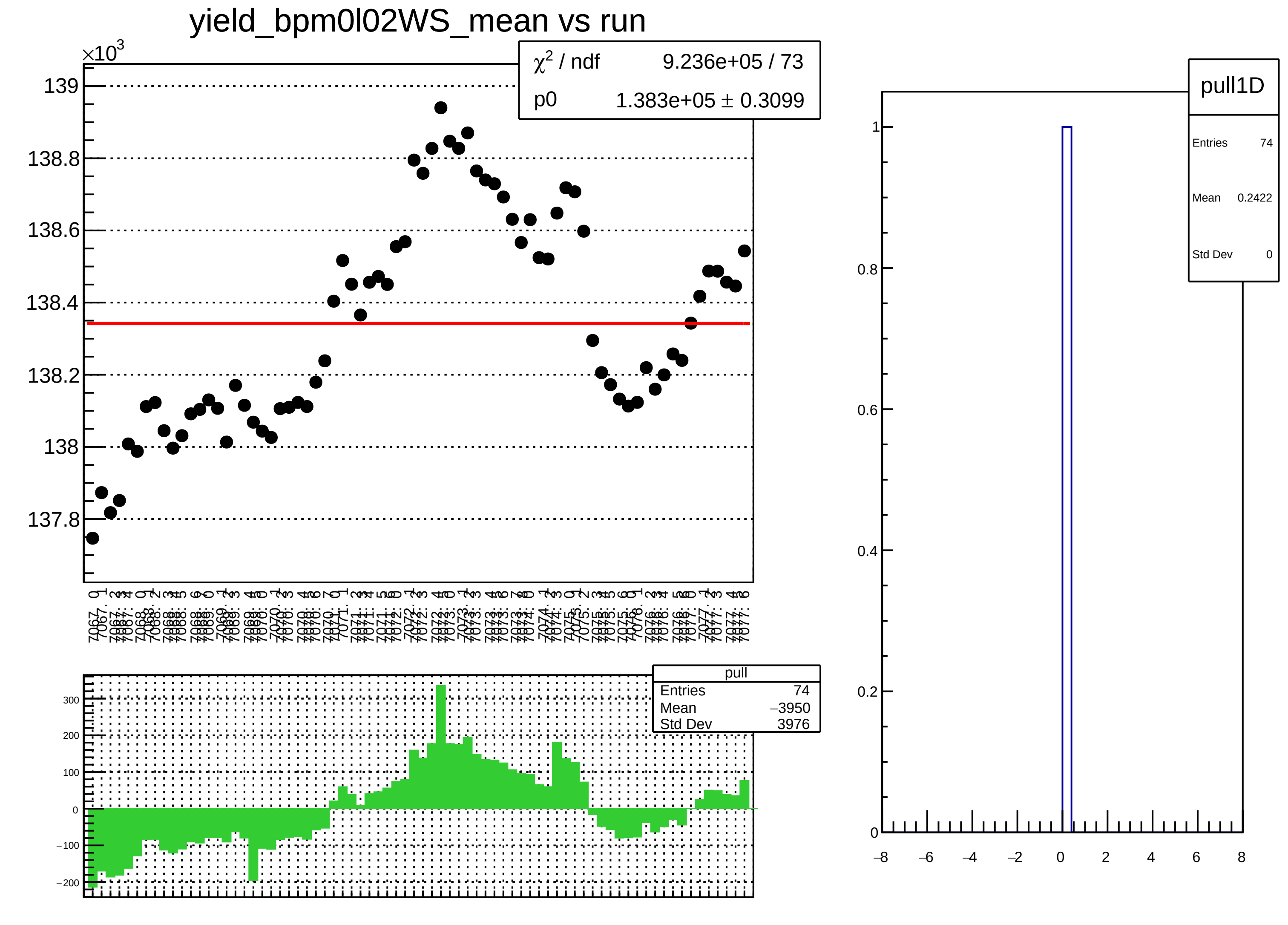
yield_bpm0i01aWS_rms vs run
χ^2 / ndf 2778 / 73
p0 196 ± 0.1583
230
220
210
200
190
180

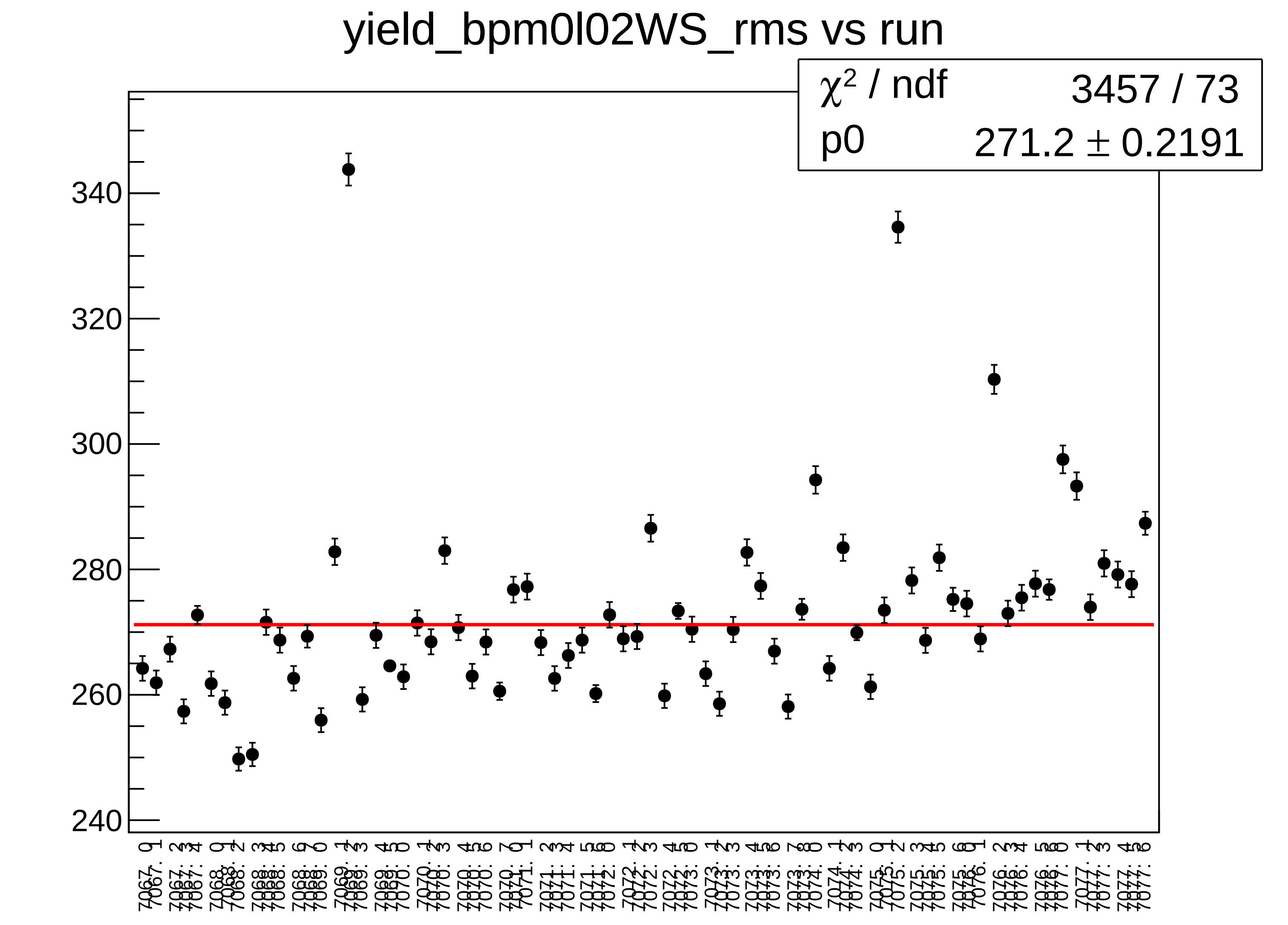


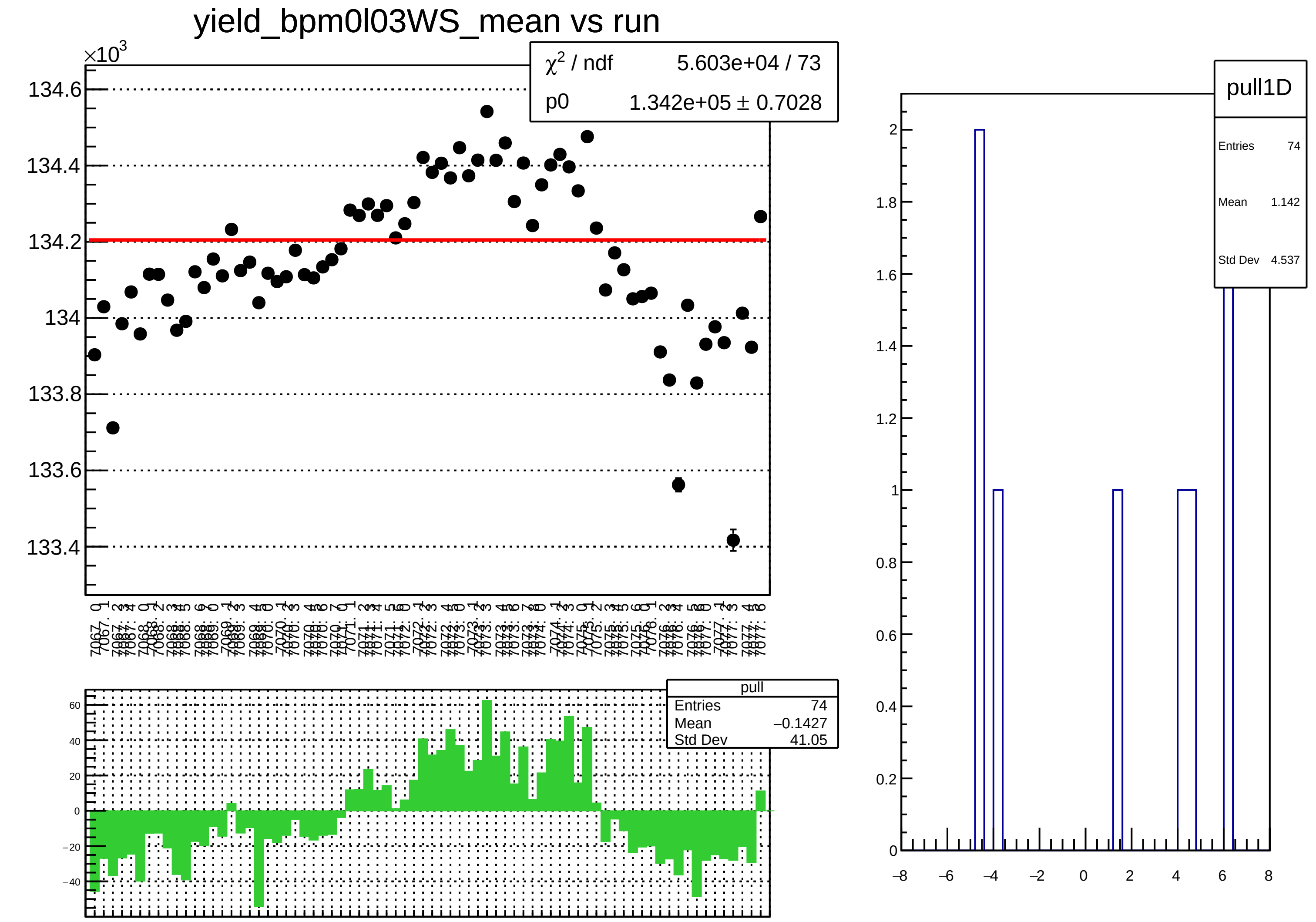
yield_bpm0l01WS_mean vs run
χ^2 / ndf 1.249e+05 / 73
p0 1.296e+05 ± 0.2307
×10^3
pull
Entries 74
Mean 110.2
Std Dev 58.72
pull1D
Entries 74
Mean 0.4372
Std Dev 4.504



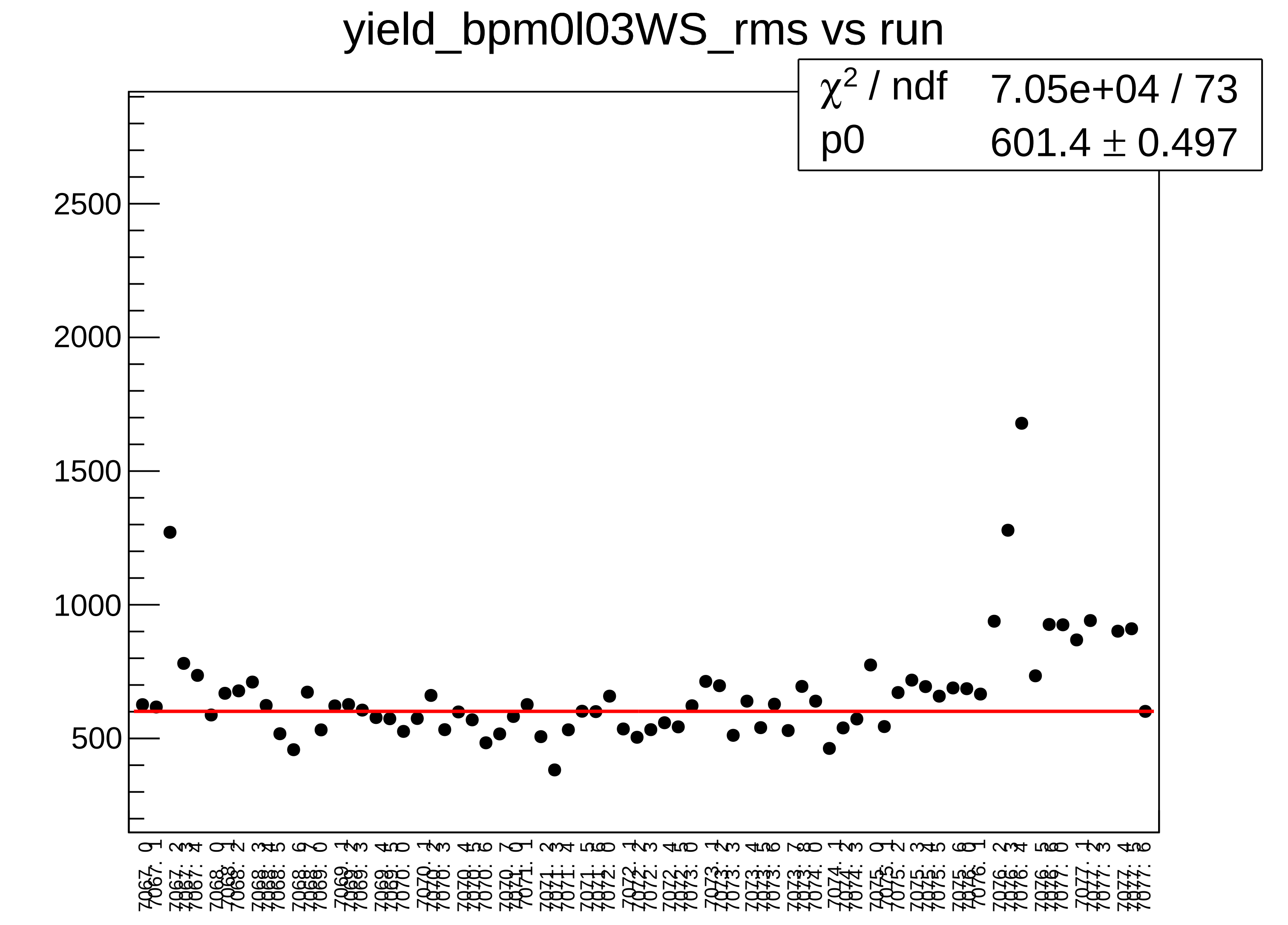
yield_bpm0l01WS_rms vs run
χ^2 / ndf 5193 / 73
p0 201.7 ± 0.1631
320
300
280
260
240
220
200
180

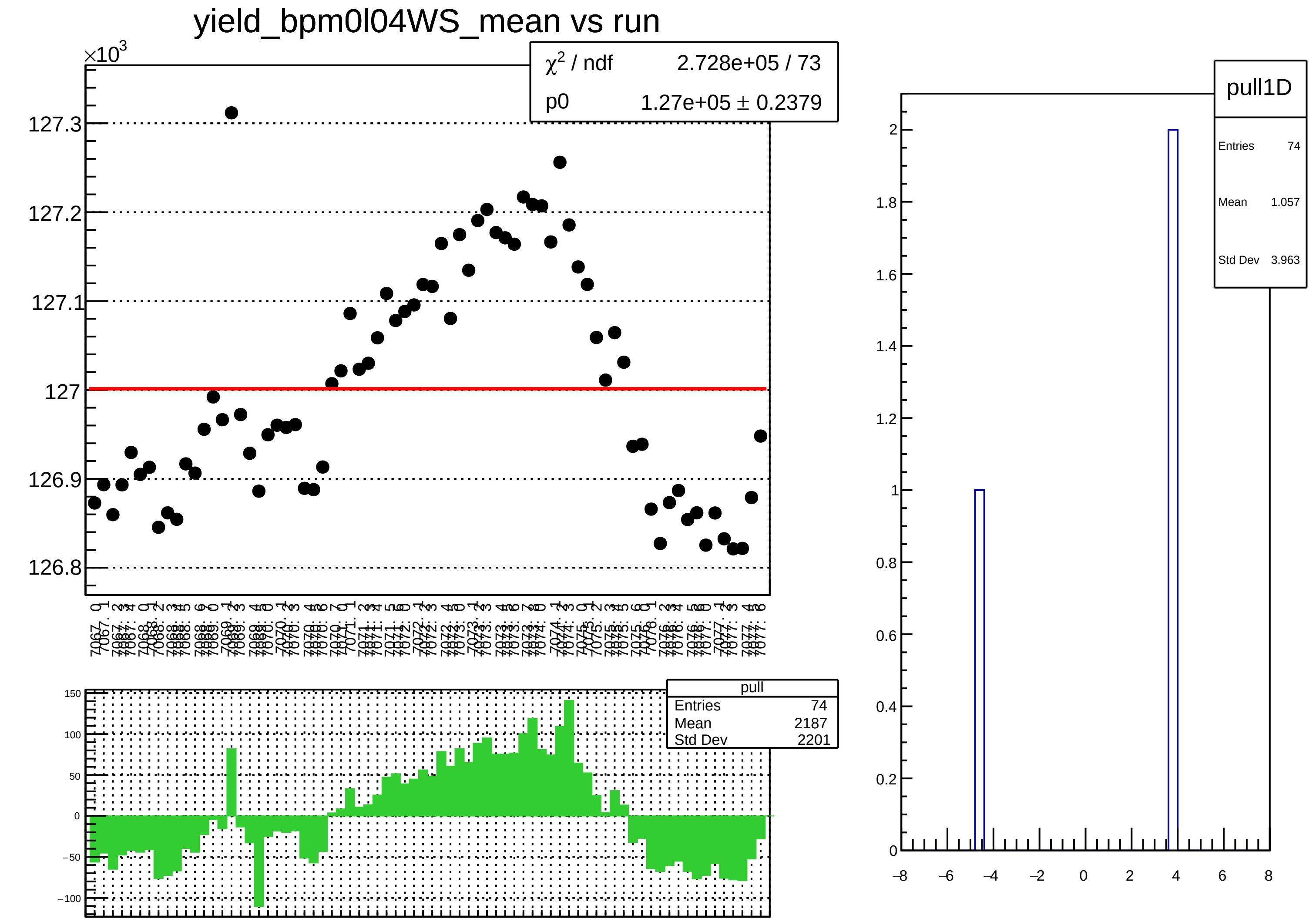

yield_bpm0l02WS_mean vs run
χ^2 / ndf 9.236e+05 / 73
p0 1.383e+05 ± 0.3099
pull
Entries 74
Mean −3950
Std Dev 3976
pull1D
Entries 74
Mean 0.2422
Std Dev 0


yield_bpm0l02WS_rms vs run
χ2 / ndf 3457 / 73
p0 271.2 ± 0.2191
340
320
300
280
260
240

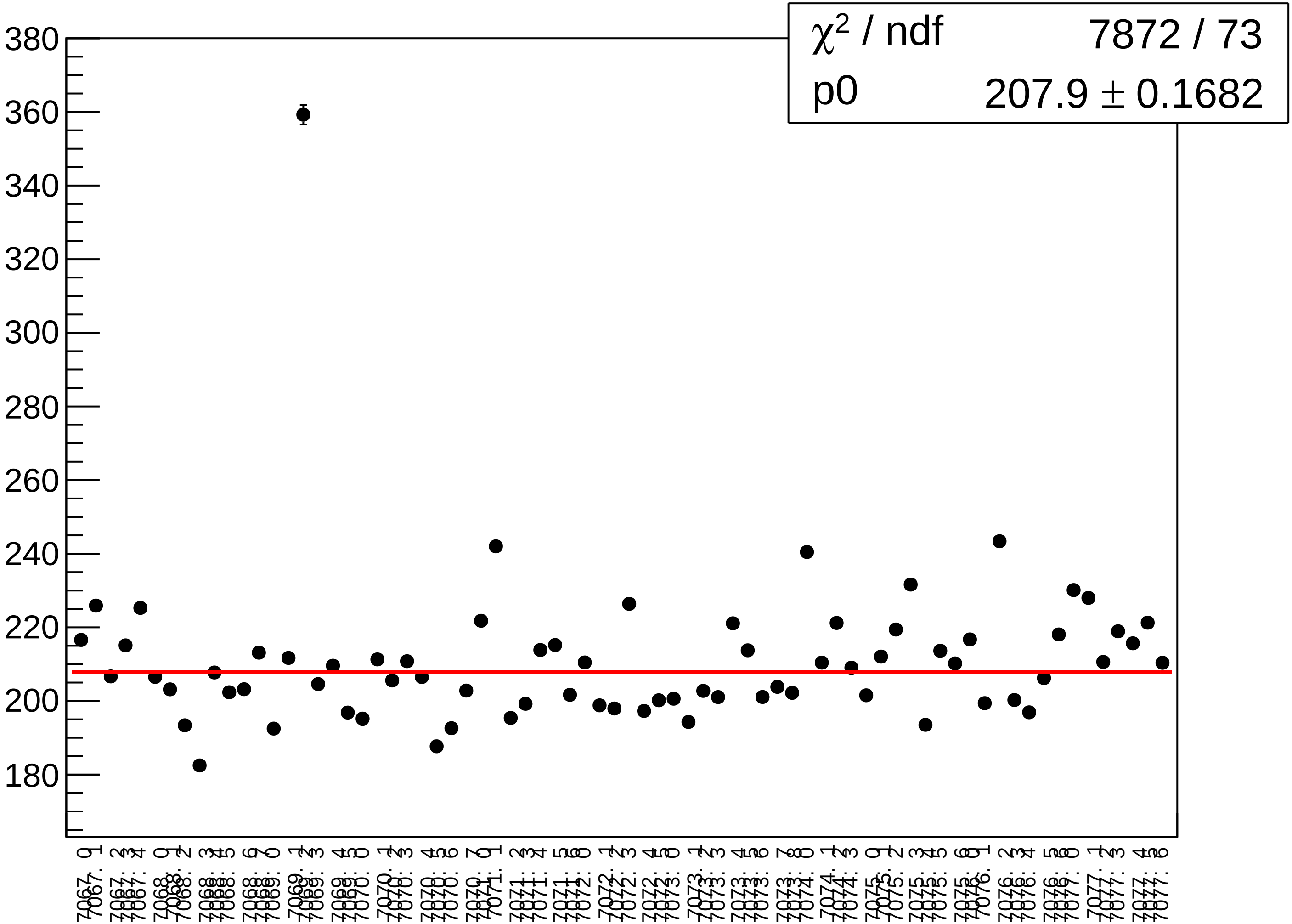


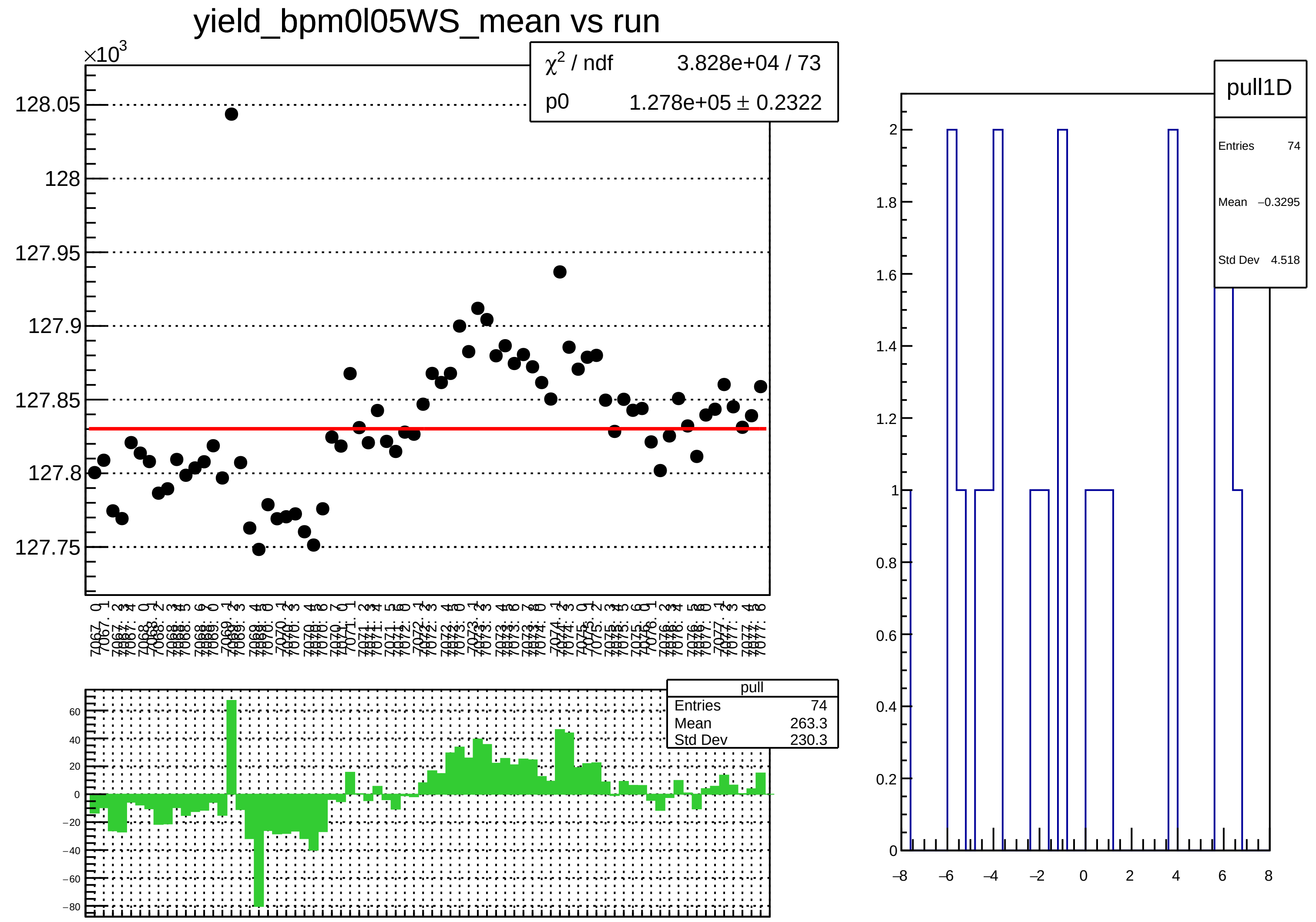
yield_bpm0I03WS_mean vs run
×10^3
χ2 / ndf 5.603e+04 / 73
p0 1.342e+05 ± 0.7028
pull
Entries 74
Mean −0.1427
Std Dev 41.05
pull1D
Entries 74
Mean 1.142
Std Dev 4.537

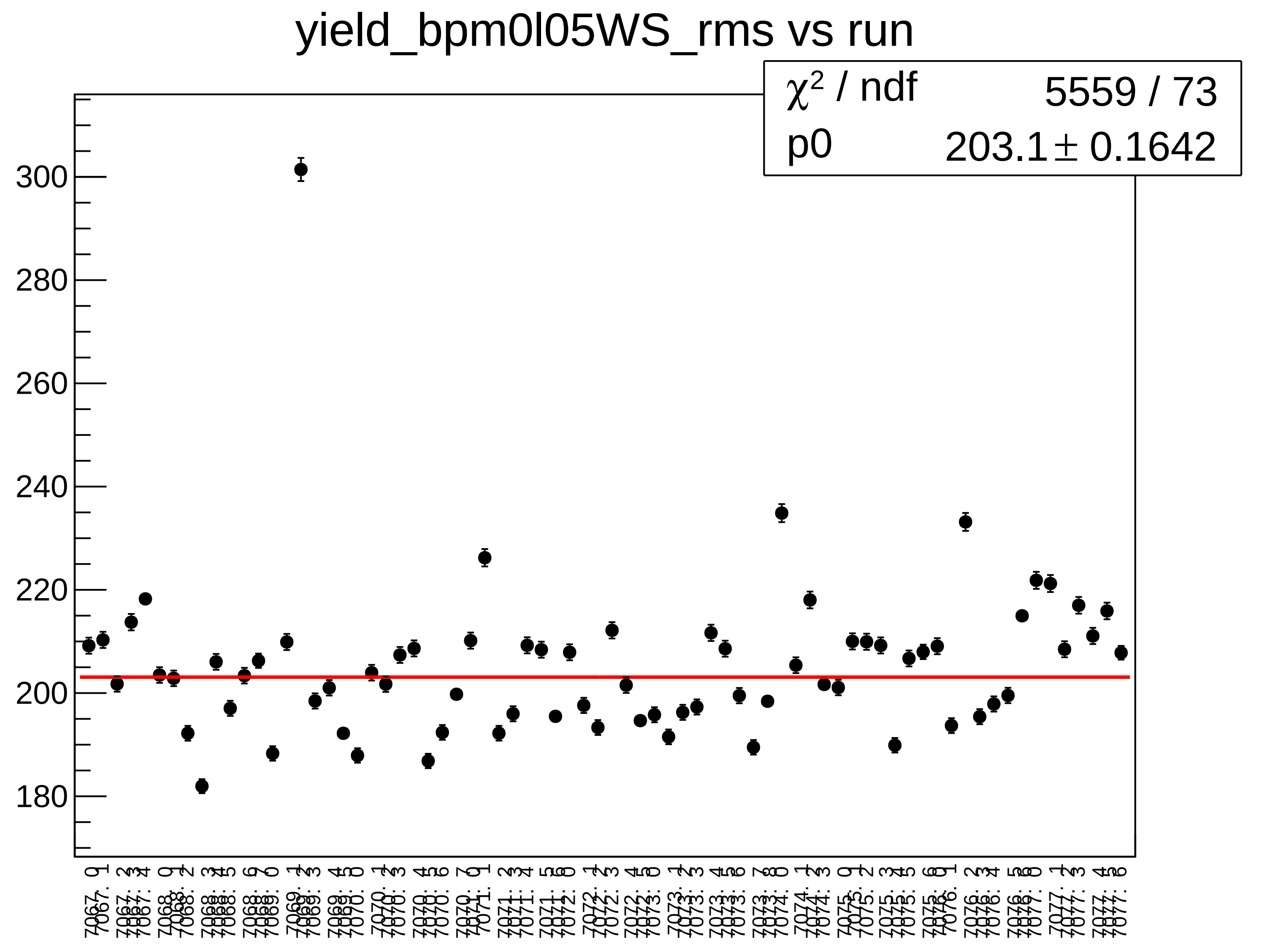

yield_bpm0l03WS_rms vs run
χ2 / ndf 7.05e+04 / 73
p0 601.4 ± 0.497
2500
2000
1500
1000
500


yield_bpm0l04WS_mean vs run
×10^3
χ2 / ndf 2.728e+05 / 73
p0 1.27e+05 ± 0.2379
127.3
127.2
127.1
127
126.9
126.8
pull
Entries 74
Mean 2187
Std Dev 2201
150
100
50
0
−50
−100
pull1D
Entries 74
Mean 1.057
Std Dev 3.963
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

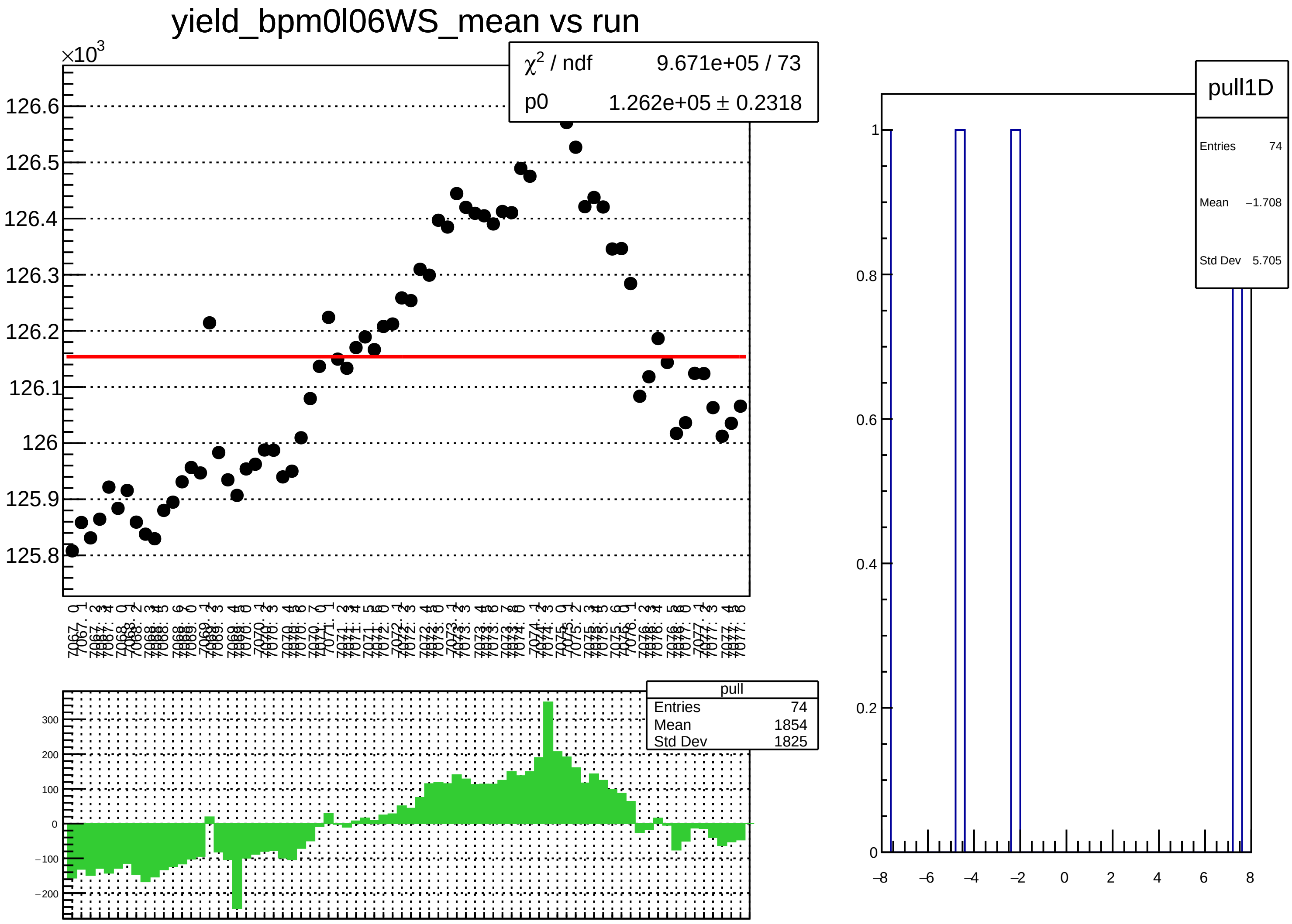
yield_bpm0l04WS_rms vs run



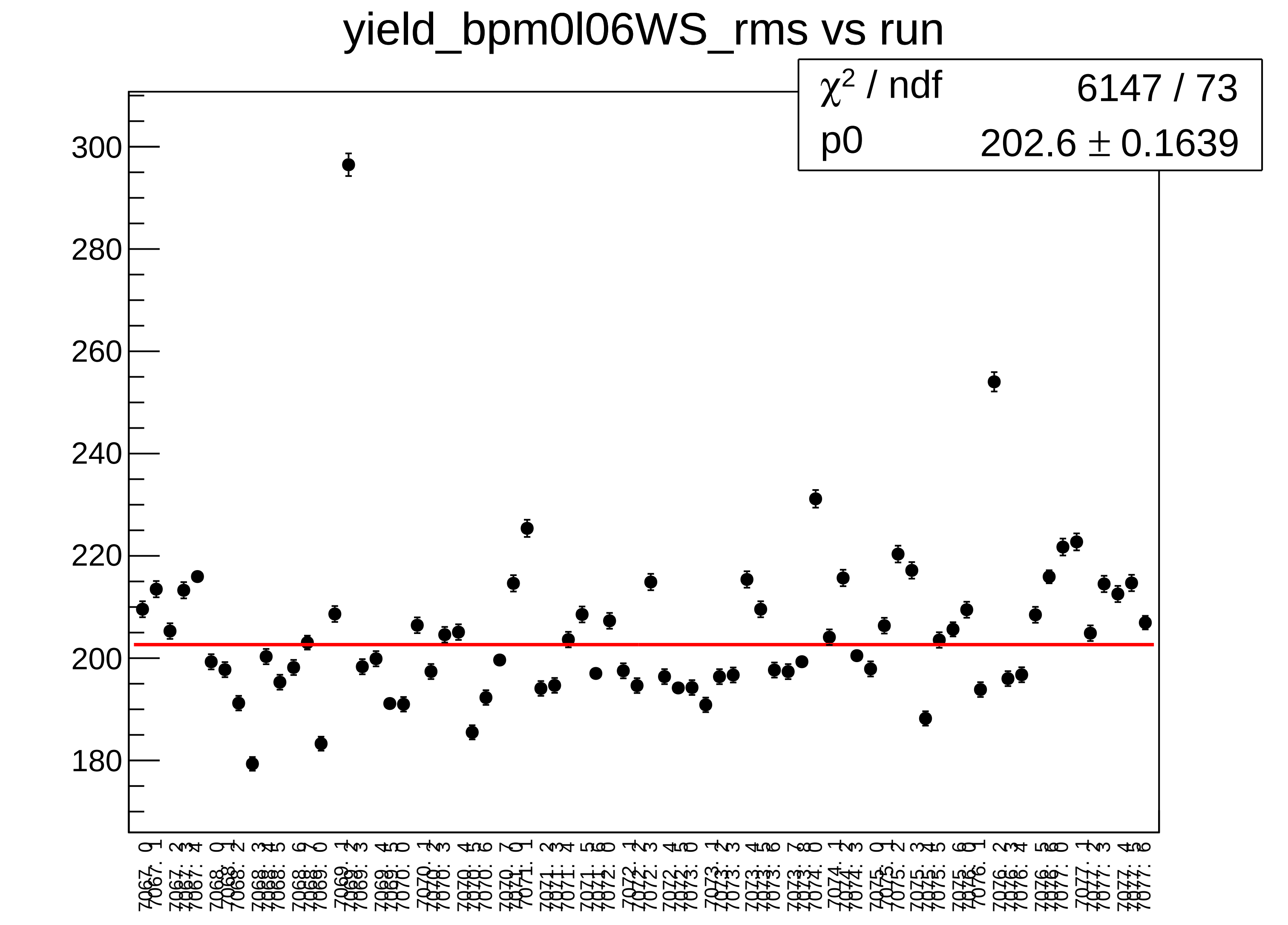

yield_bpm0l05WS_mean vs run
χ2 / ndf 3.828e+04 / 73
p0 1.278e+05 ± 0.2322
pull
Entries 74
Mean 263.3
Std Dev 230.3
pull1D
Entries 74
Mean −0.3295
Std Dev 4.518



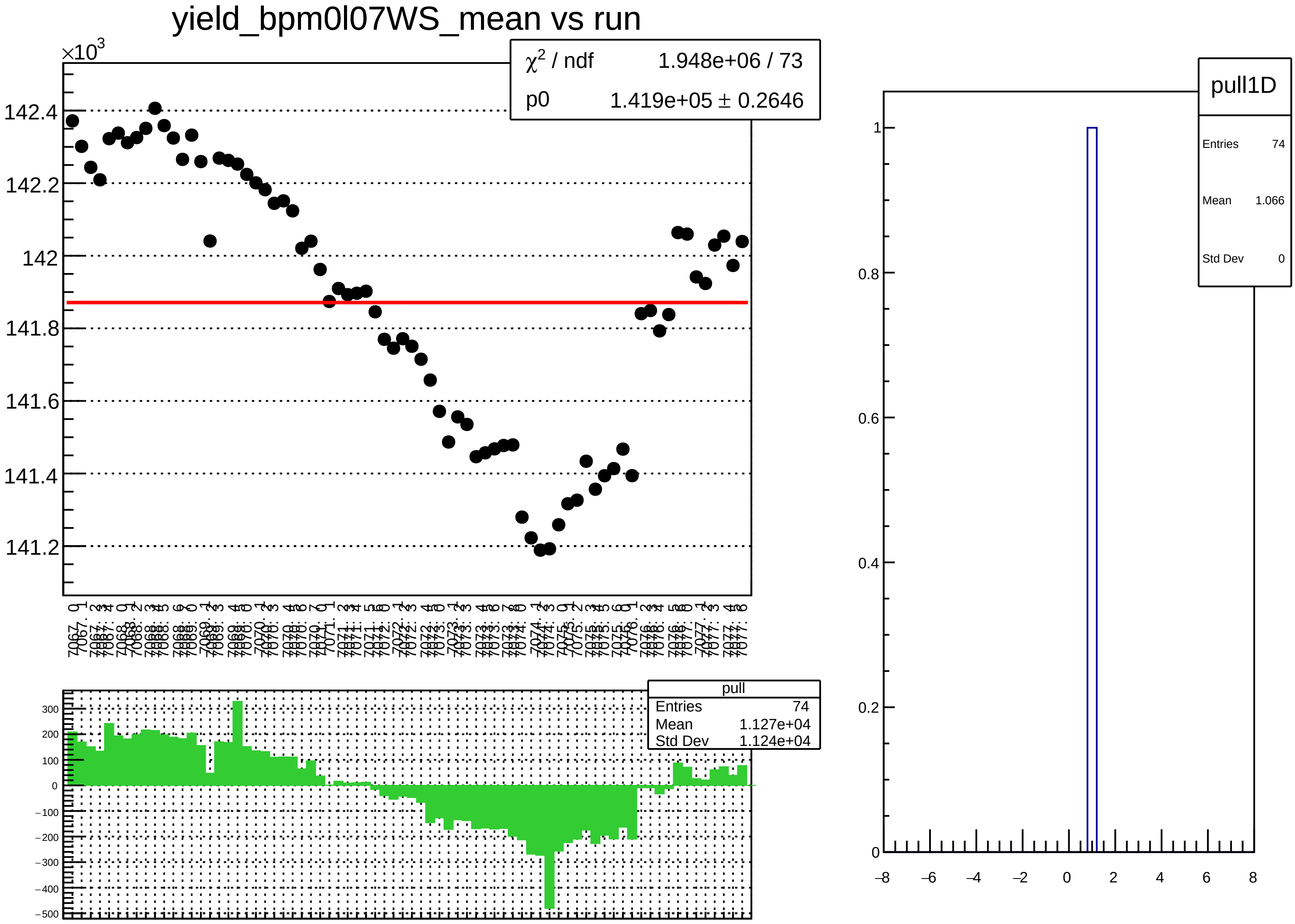
yield_bpm0l05WS_rms vs run
χ^2 / ndf 5559 / 73
p0 203.1 ± 0.1642



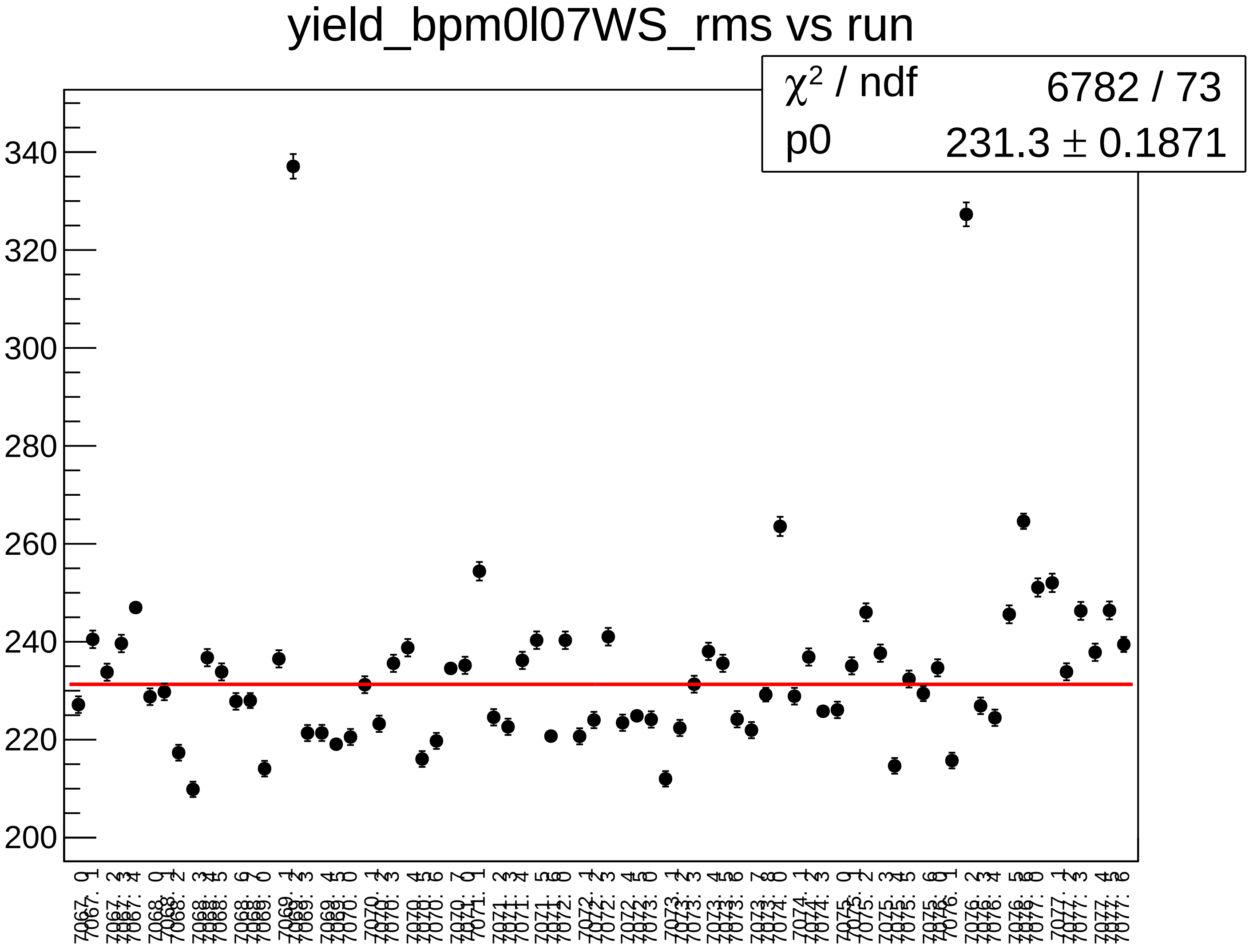
yield_bpm0I06WS_mean vs run
×10^3
χ^2 / ndf 9.671e+05 / 73
p0 1.262e+05 ± 0.2318
pull
Entries 74
Mean 1854
Std Dev 1825
pull1D
Entries 74
Mean −1.708
Std Dev 5.705

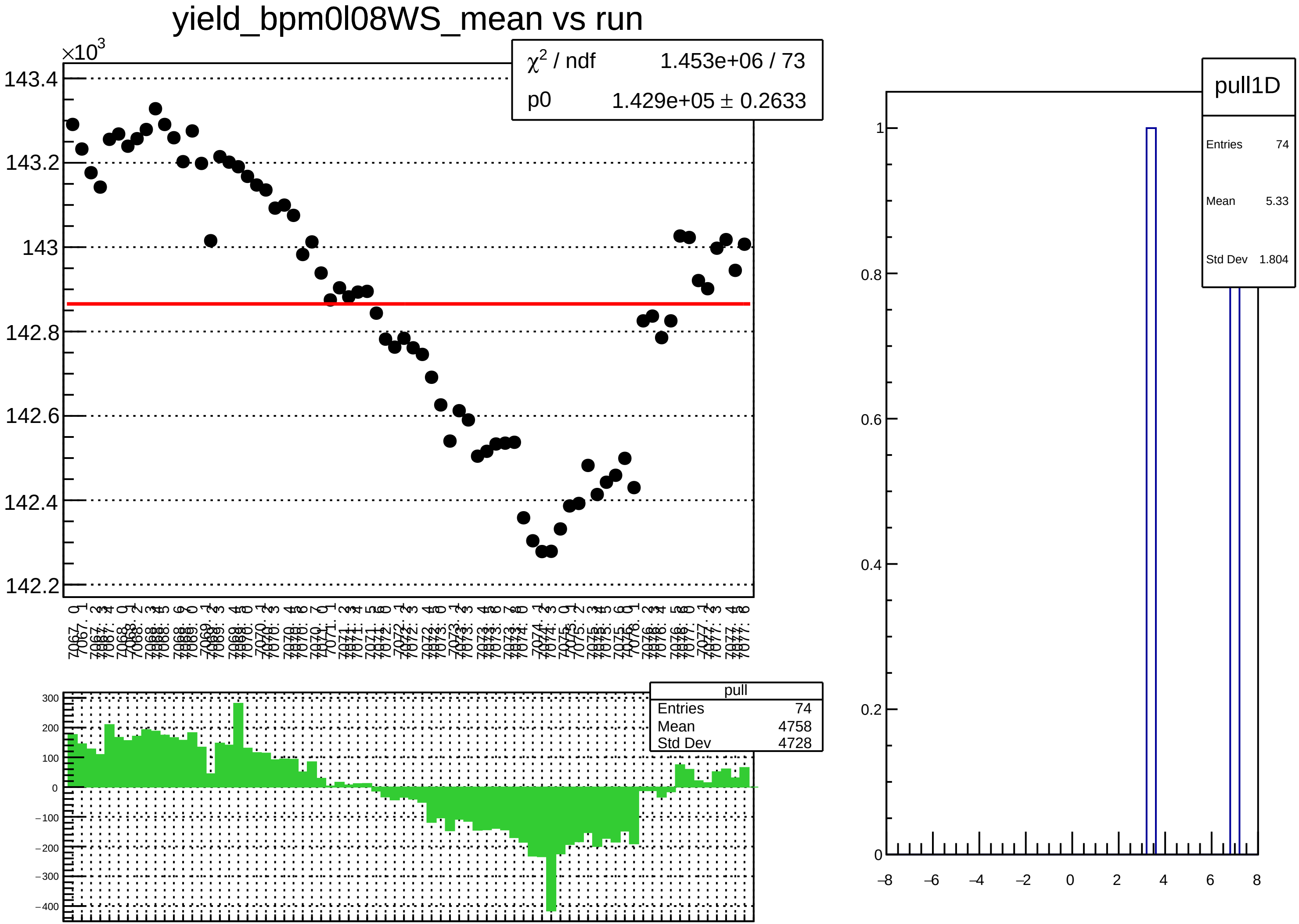


yield_bpm0l06WS_rms vs run
χ2 / ndf 6147 / 73
p0 202.6 ± 0.1639
300
280
260
240
220
200
180



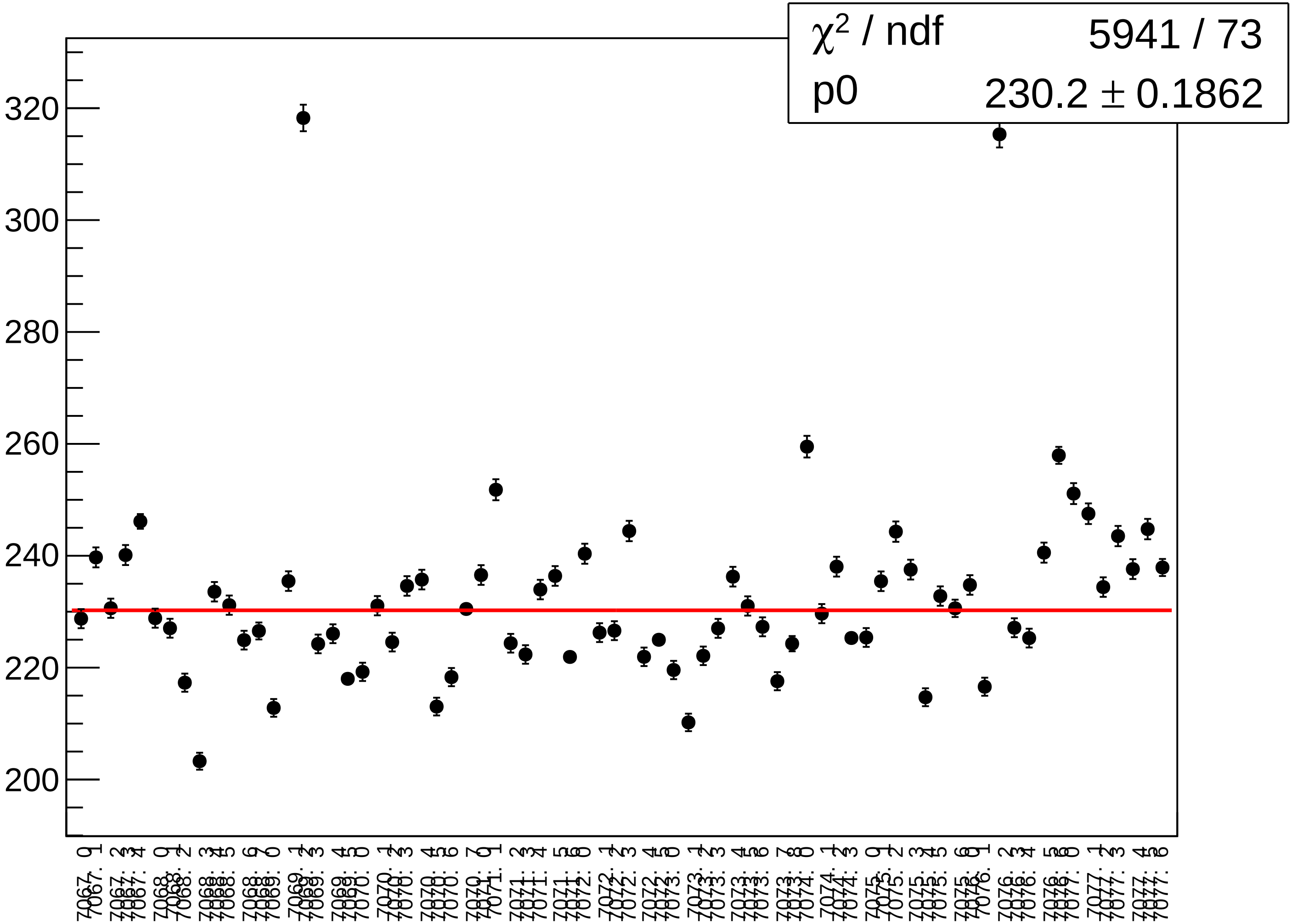
yield_bpm0I07WS_mean vs run
χ^2 / ndf 1.948e+06 / 73
p0 1.419e+05 ± 0.2646
pull
Entries 74
Mean 1.127e+04
Std Dev 1.124e+04
pull1D
Entries 74
Mean 1.066
Std Dev 0

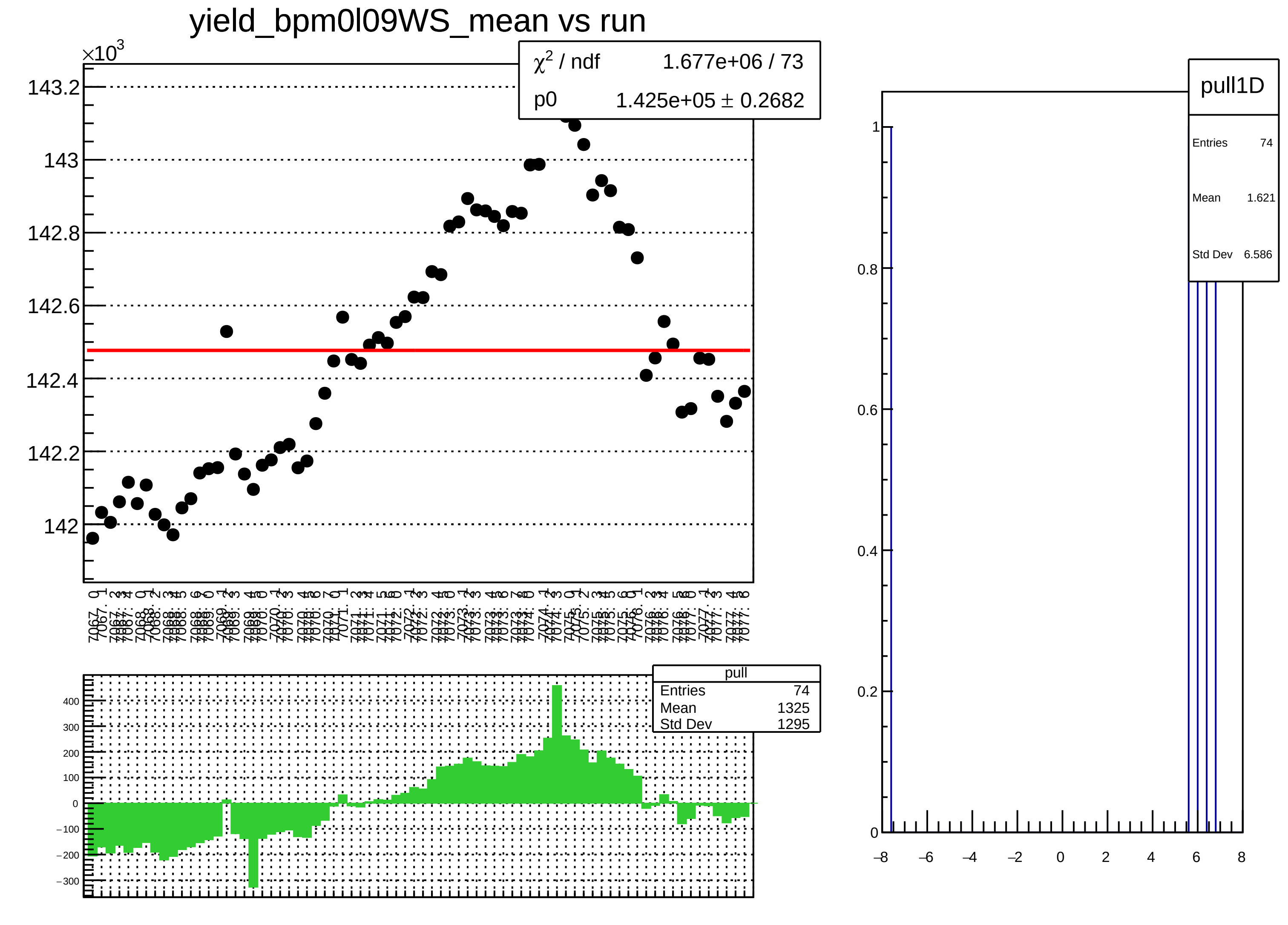

yield_bpm0l07WS_rms vs run
χ2 / ndf 6782 / 73
p0 231.3 ± 0.1871
340
320
300
280
260
240
220
200

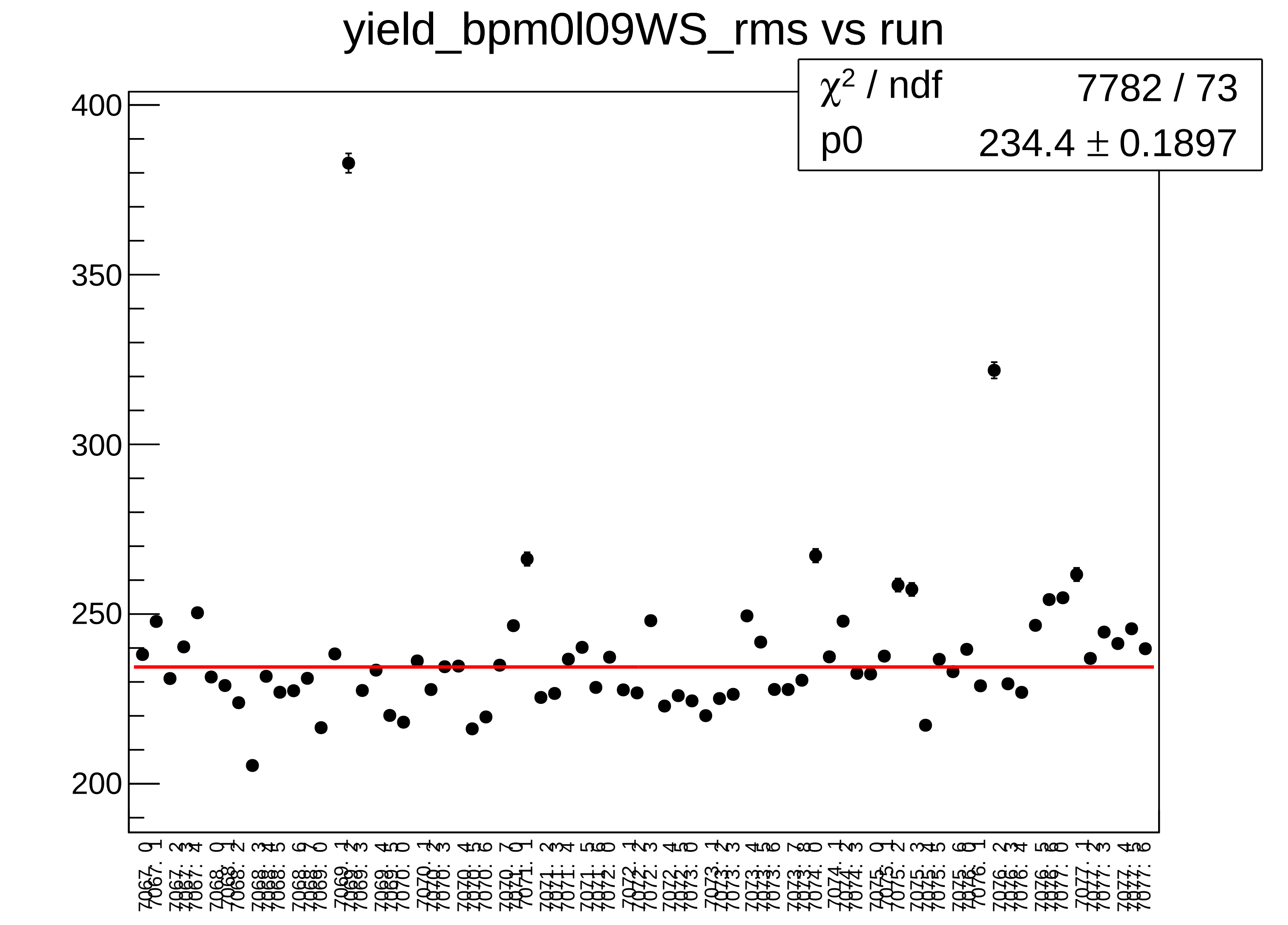


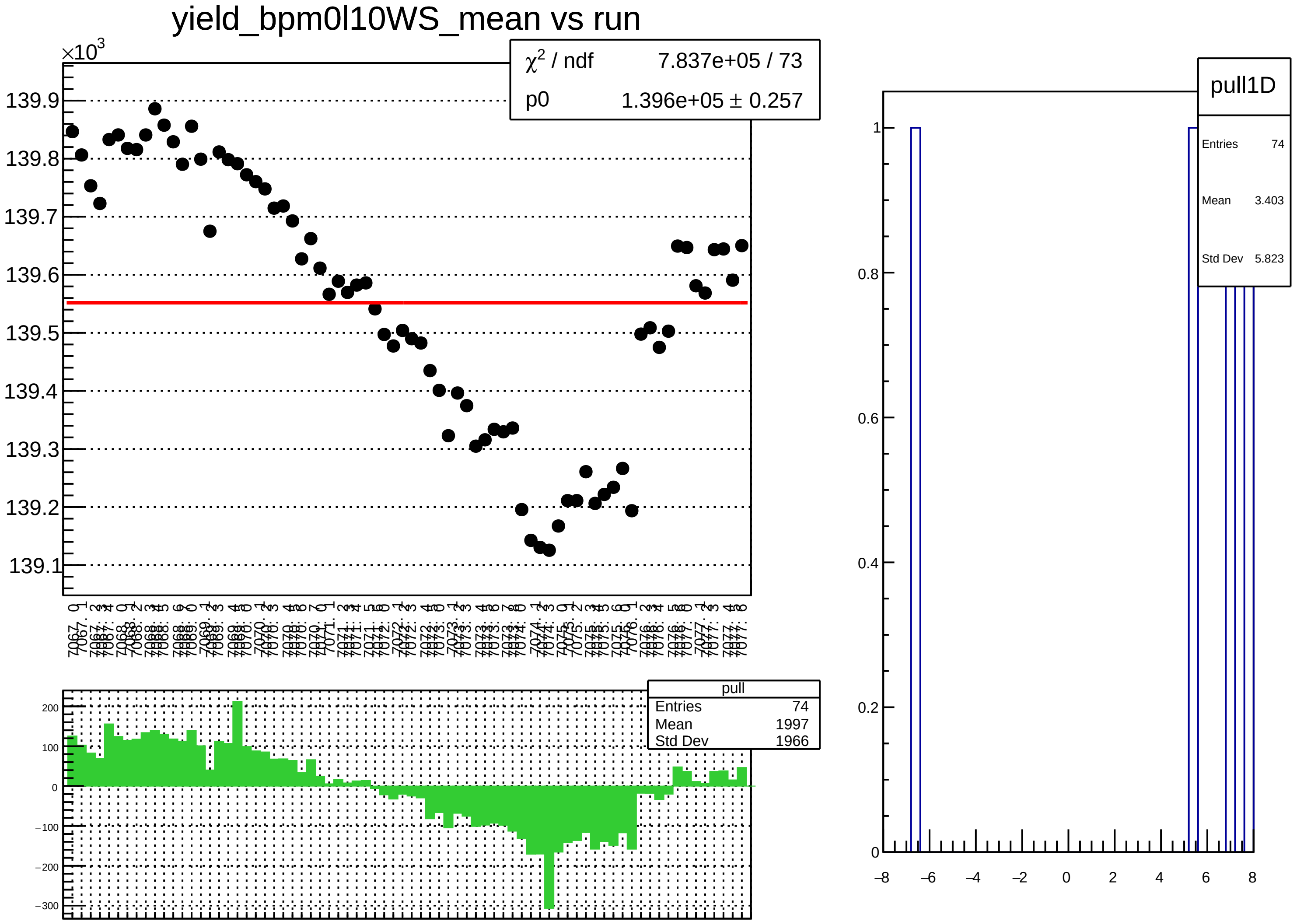
yield_bpm0l08WS_mean vs run
×10^3
χ2 / ndf 1.453e+06 / 73
p0 1.429e+05 ± 0.2633
143.4
143.2
143
142.8
142.6
142.4
142.2
pull
Entries 74
Mean 4758
Std Dev 4728
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 74
Mean 5.33
Std Dev 1.804
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

yield_bpm0l08WS_rms vs run

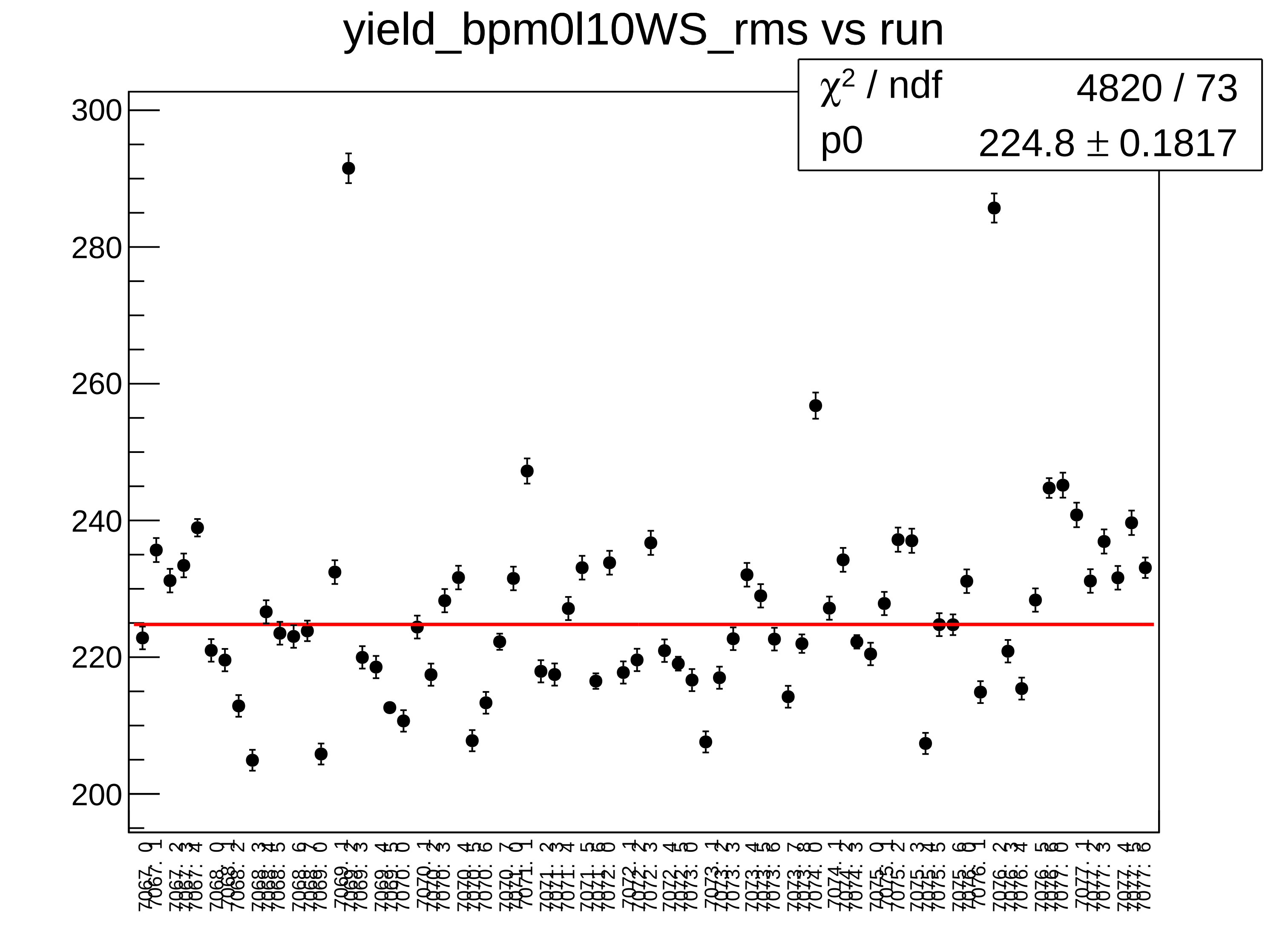



yield_bpm0l09WS_mean vs run
$\times10^{3}$
χ^2 / ndf 1.677e+06 / 73
p0 1.425e+05 ± 0.2682
143.2
143
142.8
142.6
142.4
142.2
142
pull
Entries 74
Mean 1325
Std Dev 1295
400
300
200
100
0
−100
−200
−300
pull1D
Entries 74
Mean 1.621
Std Dev 6.586
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

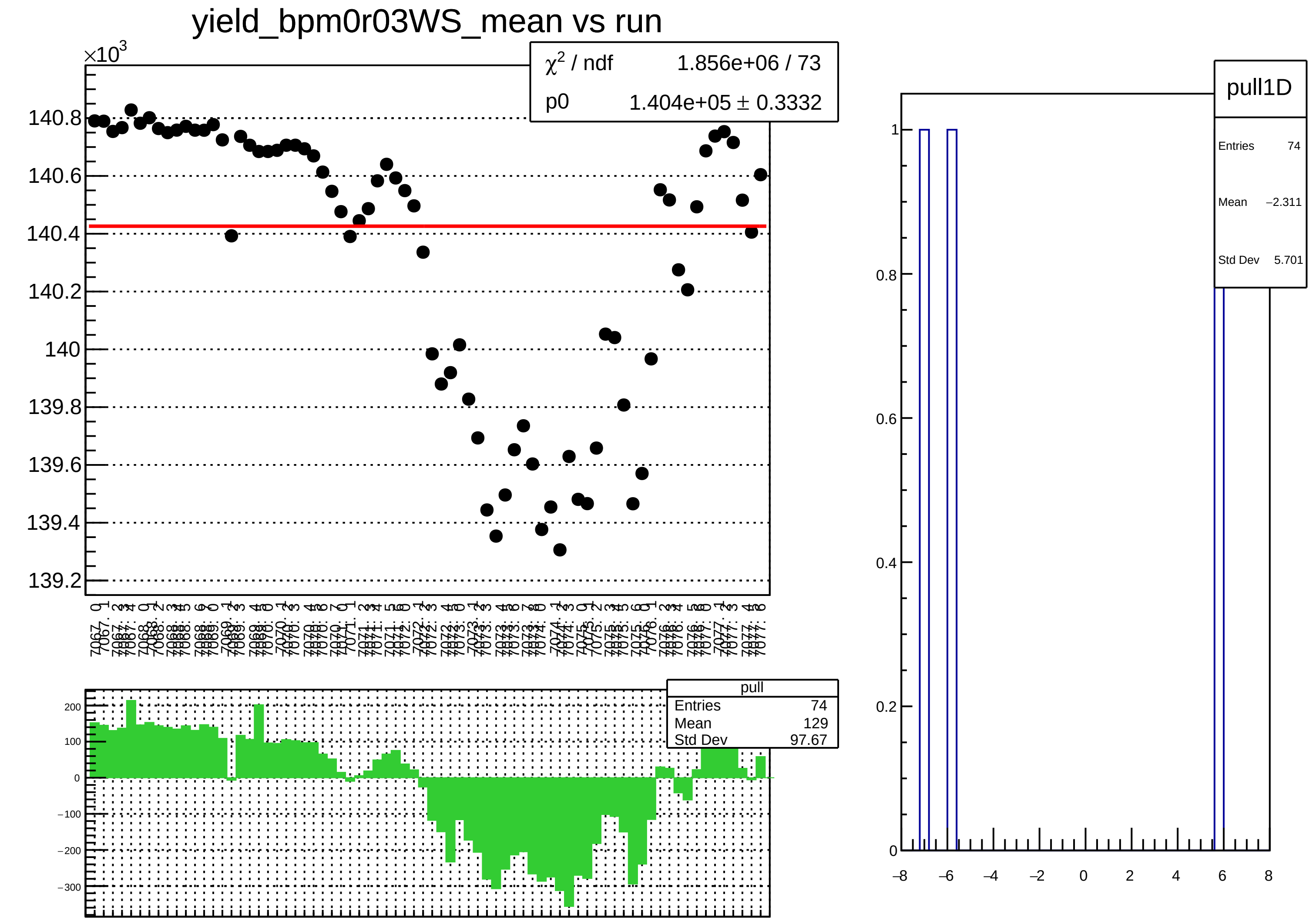

yield_bpm0l09WS_rms vs run
χ^2 / ndf 7782 / 73
p0 234.4 ± 0.1897
400
350
300
250
200



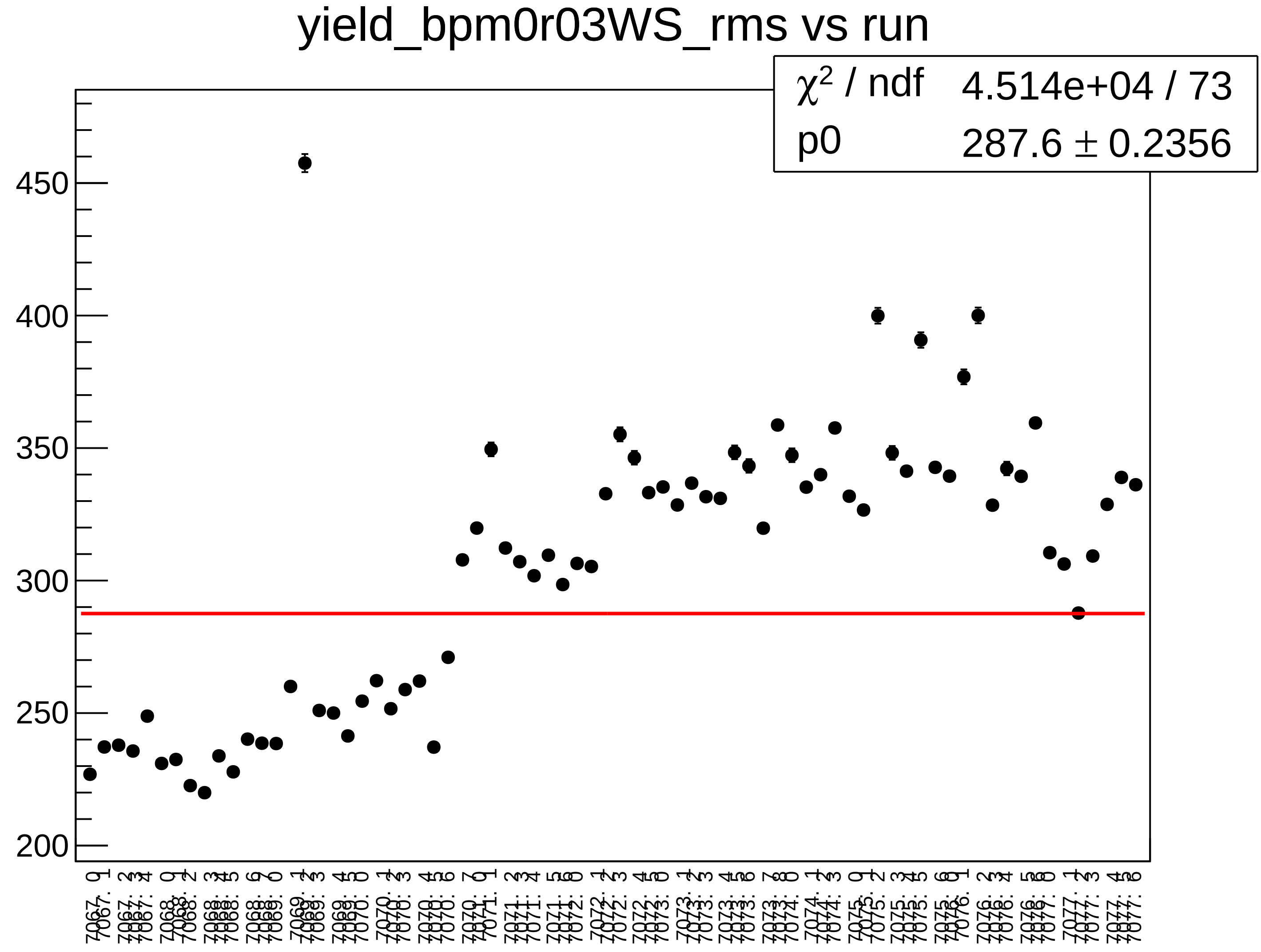
yield_bpm0l10WS_mean vs run
$\times10^3$
χ^2 / ndf 7.837e+05 / 73
p0 1.396e+05 ± 0.257
139.9
139.8
139.7
139.6
139.5
139.4
139.3
139.2
139.1
pull
Entries 74
Mean 1997
Std Dev 1966
200
100
0
−100
−200
−300
pull1D
Entries 74
Mean 3.403
Std Dev 5.823
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



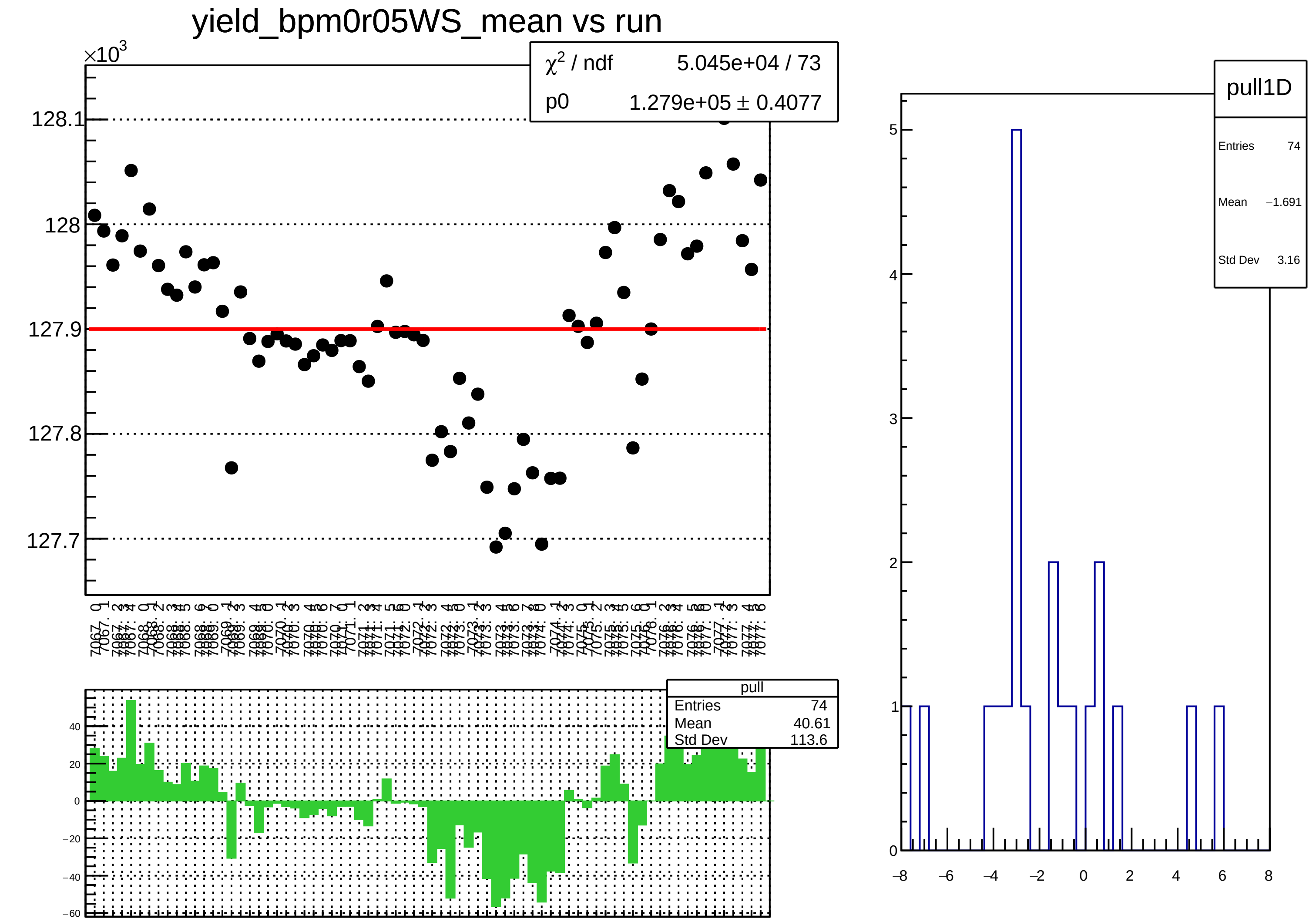
yield_bpm0l10WS_rms vs run
χ2 / ndf 4820 / 73
p0 224.8 ± 0.1817
300
280
260
240
220
200



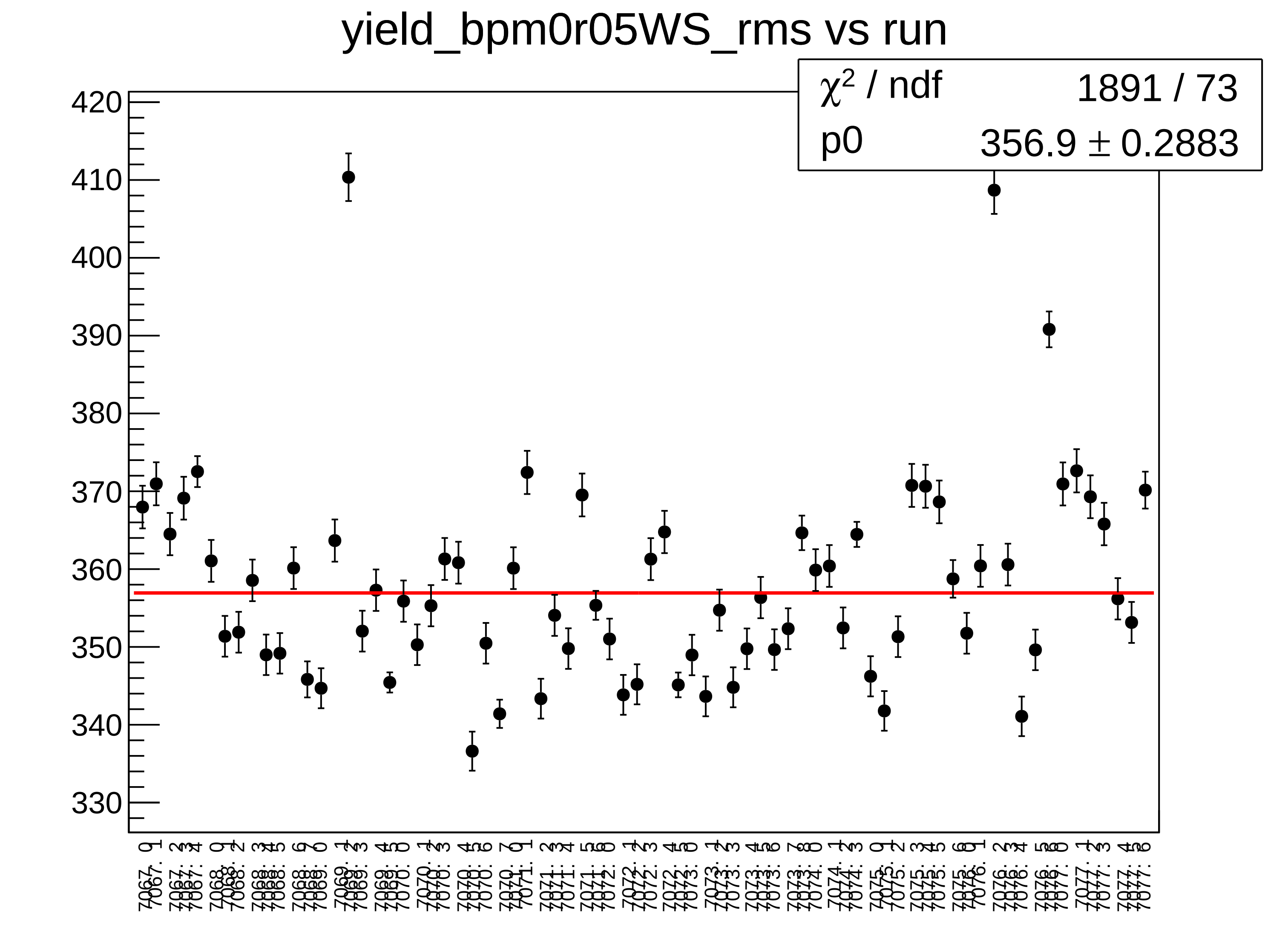
yield_bpm0r03WS_mean vs run
χ2 / ndf 1.856e+06 / 73
p0 1.404e+05 ± 0.3332
pull
Entries 74
Mean 129
Std Dev 97.67
pull1D
Entries 74
Mean −2.311
Std Dev 5.701



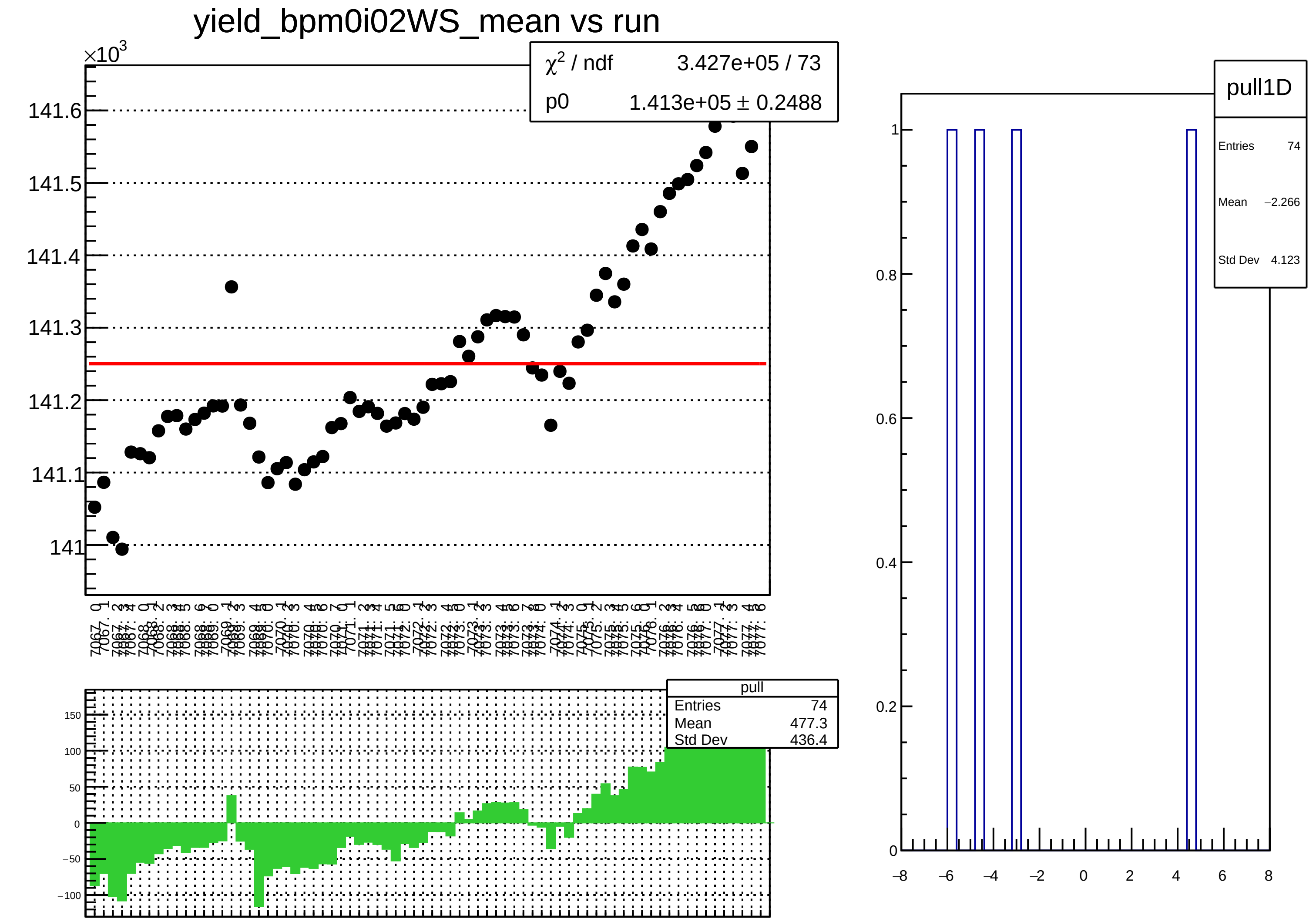
yield_bpm0r03WS_rms vs run
χ^2 / ndf 4.514e+04 / 73
p0 287.6 ± 0.2356
450
400
350
300
250
200



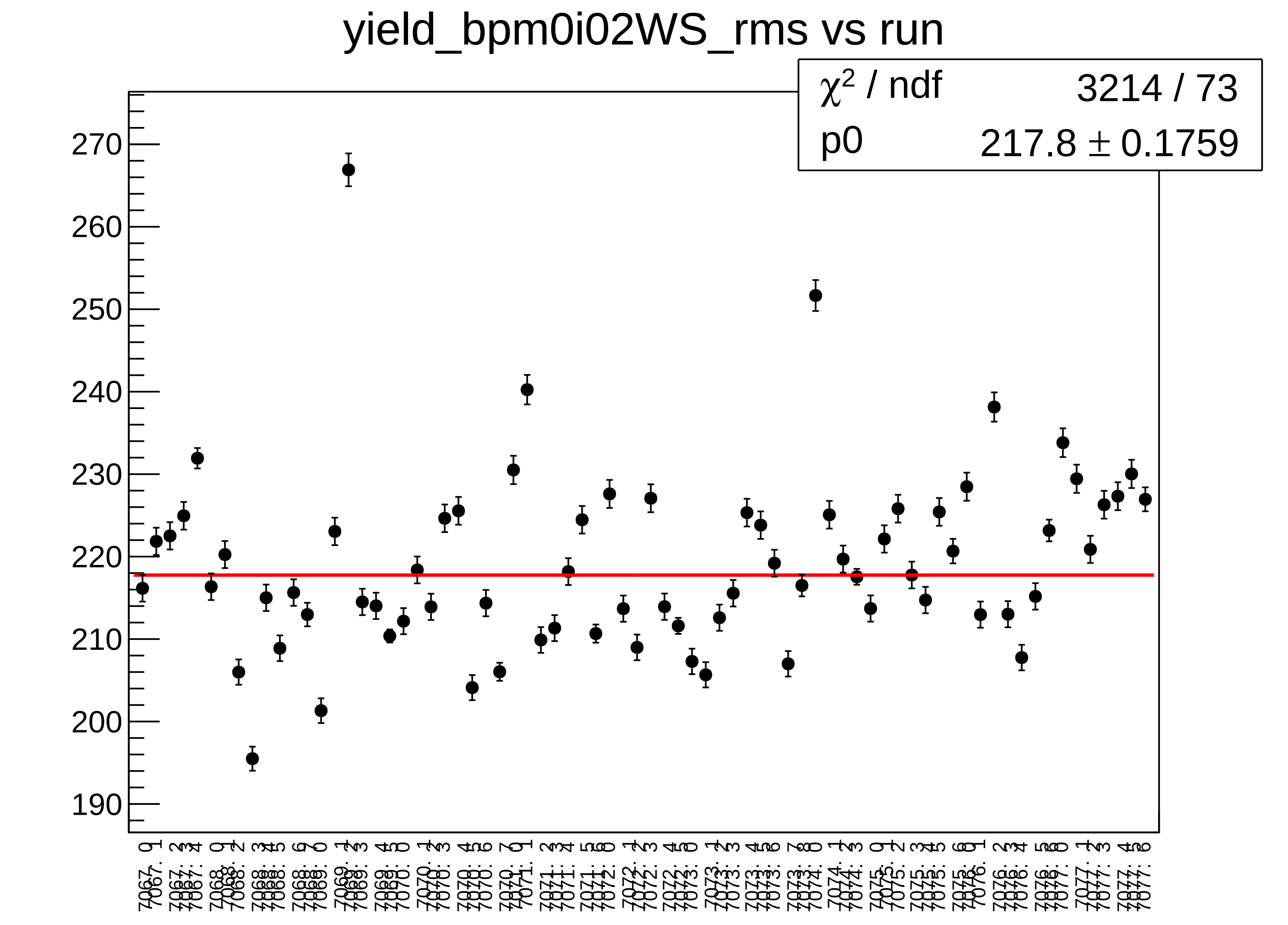
yield_bpm0r05WS_mean vs run
$\times10^3$
χ^2 / ndf 5.045e+04 / 73
p0 1.279e+05 ± 0.4077
128.1
128
127.9
127.8
127.7
pull
Entries 74
Mean 40.61
Std Dev 113.6
pull1D
Entries 74
Mean −1.691
Std Dev 3.16

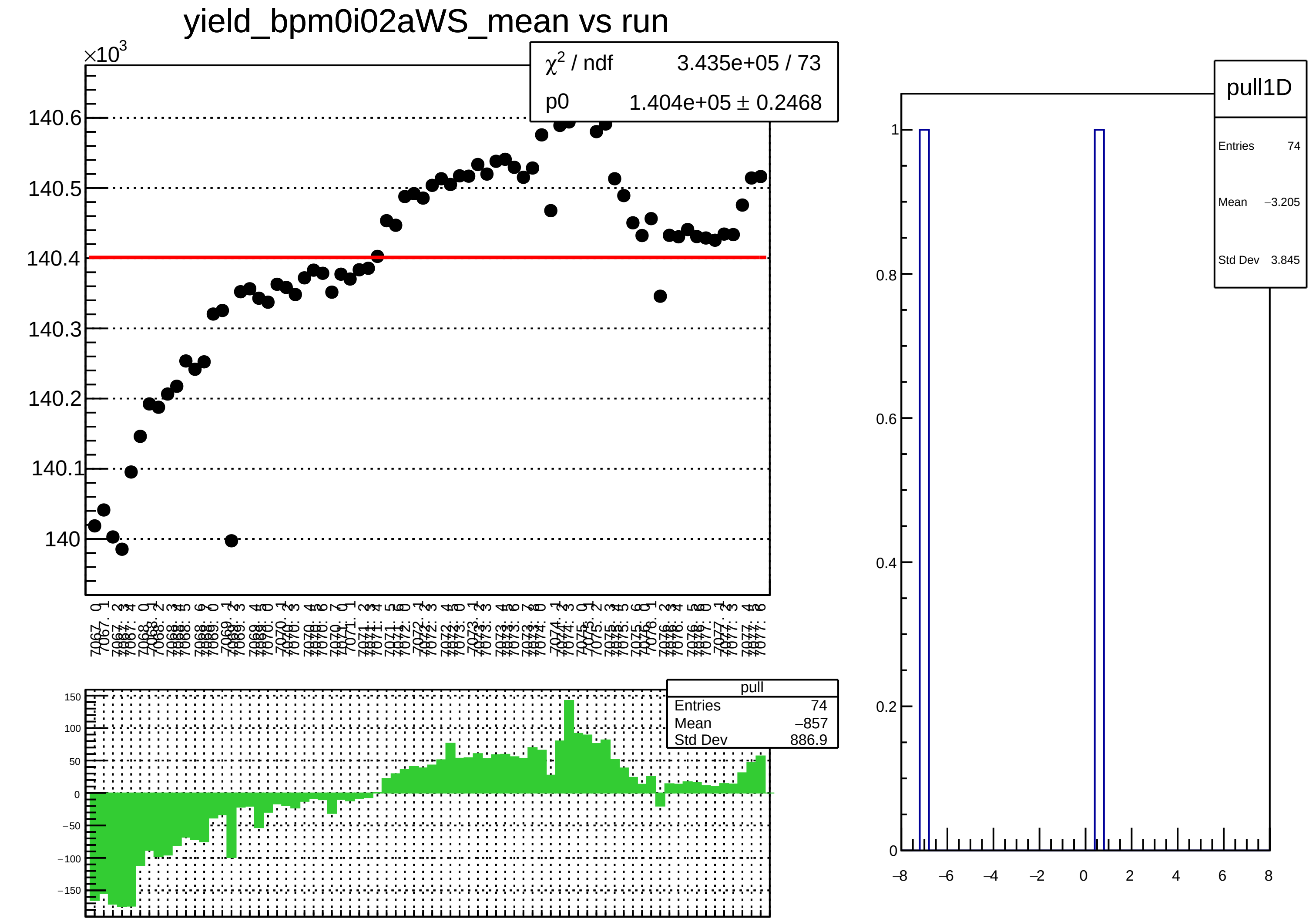


yield_bpm0r05WS_rms vs run
χ^2 / ndf 1891 / 73
p0 356.9 ± 0.2883
420
410
400
390
380
370
360
350
340
330

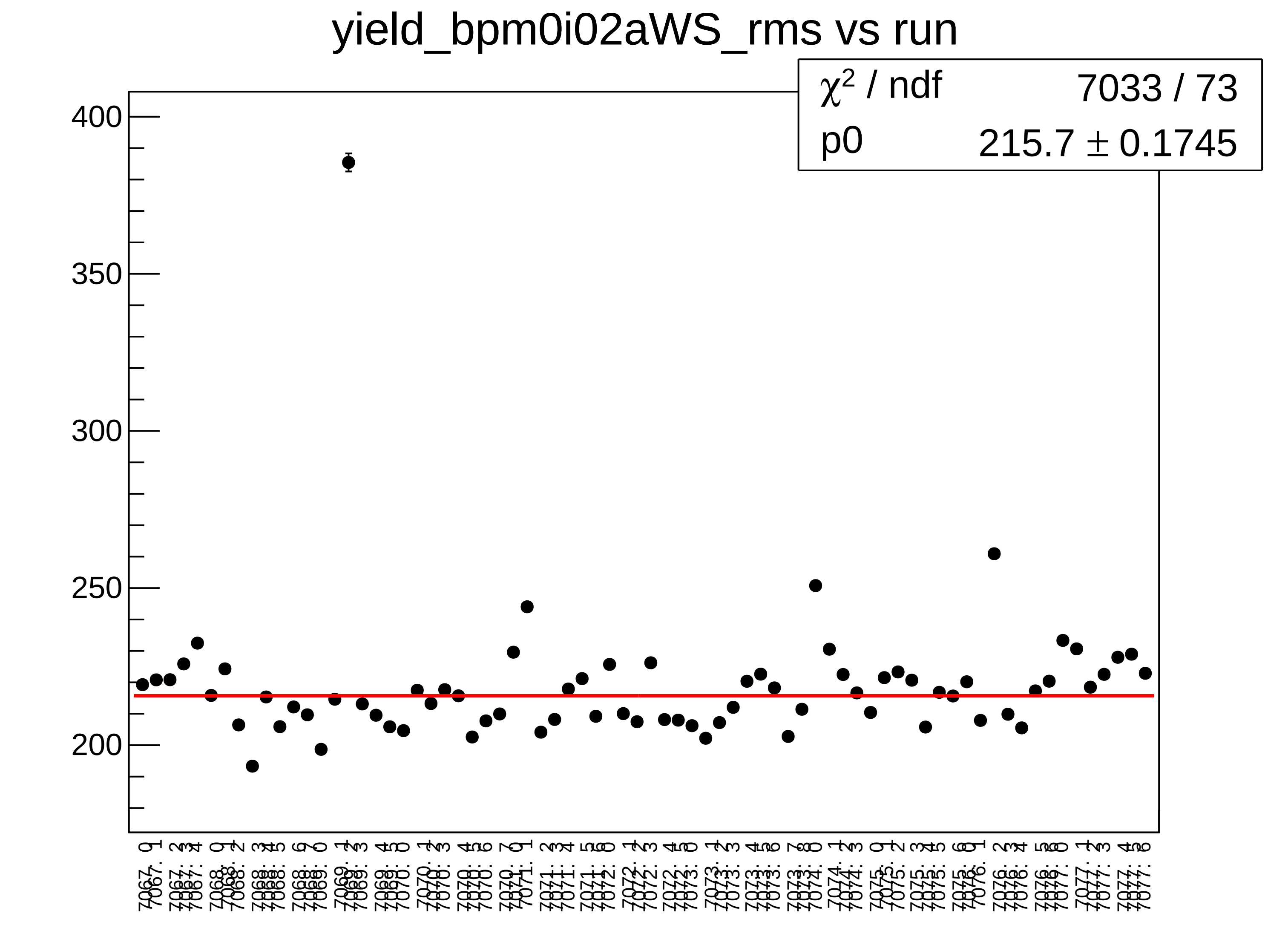


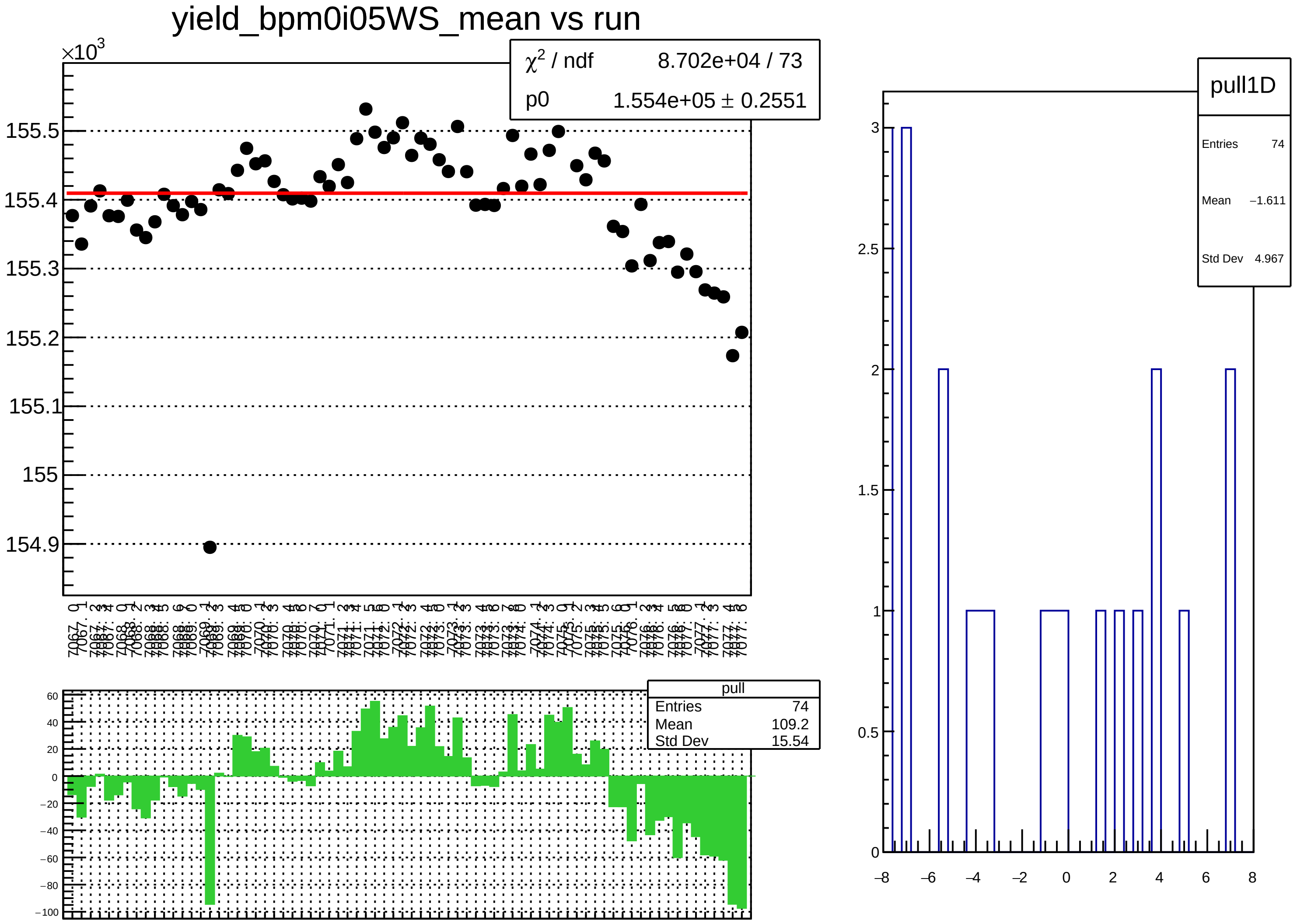
yield_bpm0i02WS_mean vs run
$\times10^3$
χ^2 / ndf 3.427e+05 / 73
p0 1.413e+05 ± 0.2488
141.6
141.5
141.4
141.3
141.2
141.1
141
pull
Entries 74
Mean 477.3
Std Dev 436.4
150
100
50
0
−50
−100
pull1D
Entries 74
Mean −2.266
Std Dev 4.123
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0i02WS_rms vs run
χ² / ndf 3214 / 73
p0 217.8 ± 0.1759
270
260
250
240
230
220
210
200
190

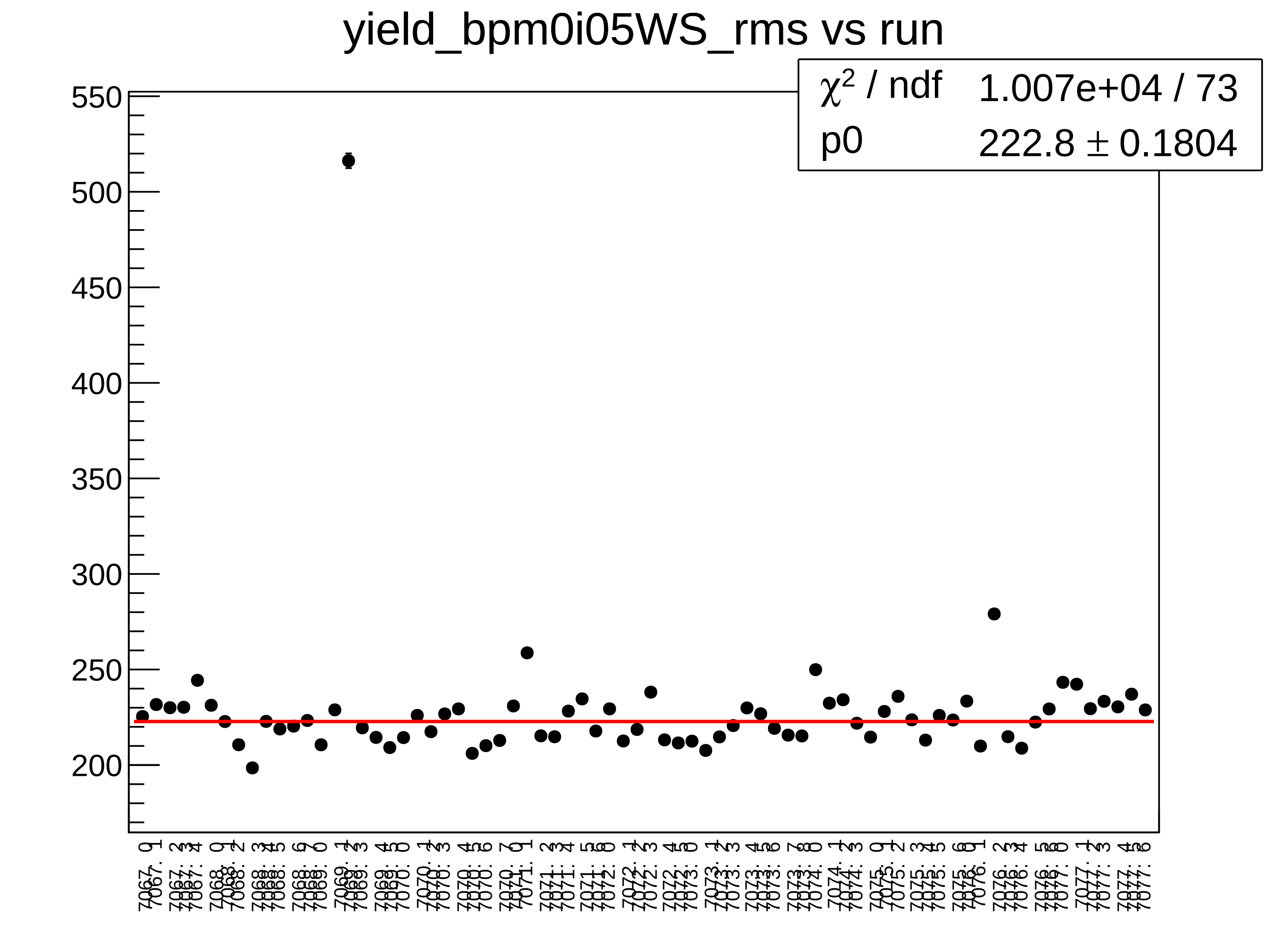


yield_bpm0i02aWS_mean vs run
×10^3
χ2 / ndf 3.435e+05 / 73
p0 1.404e+05 ± 0.2468
140.6
140.5
140.4
140.3
140.2
140.1
140
pull
Entries 74
Mean −857
Std Dev 886.9
150
100
50
0
−50
−100
−150
pull1D
Entries 74
Mean −3.205
Std Dev 3.845
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

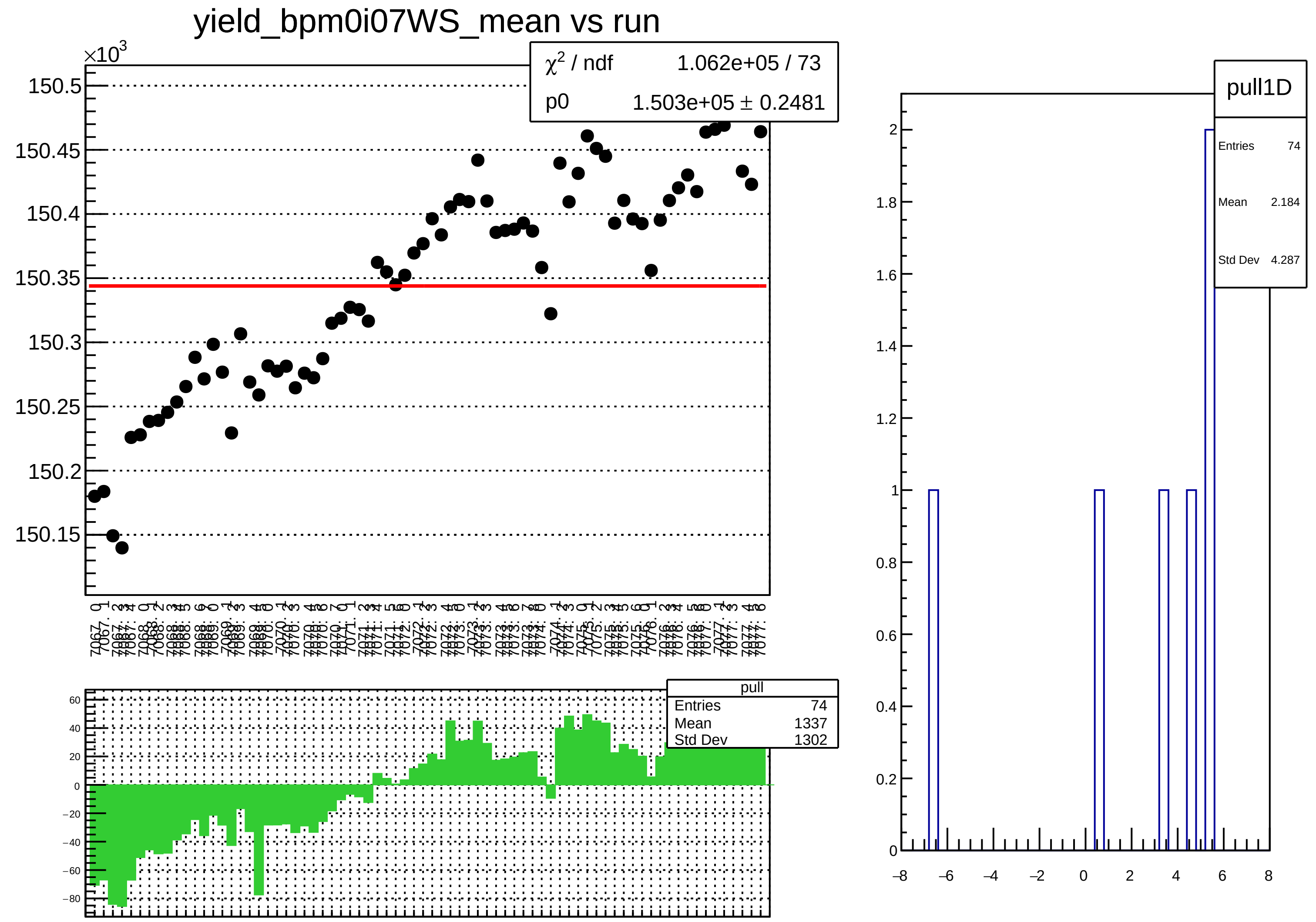

yield_bpm0i02aWS_rms vs run
χ^2 / ndf 7033 / 73
p0 215.7 ± 0.1745
400
350
300
250
200



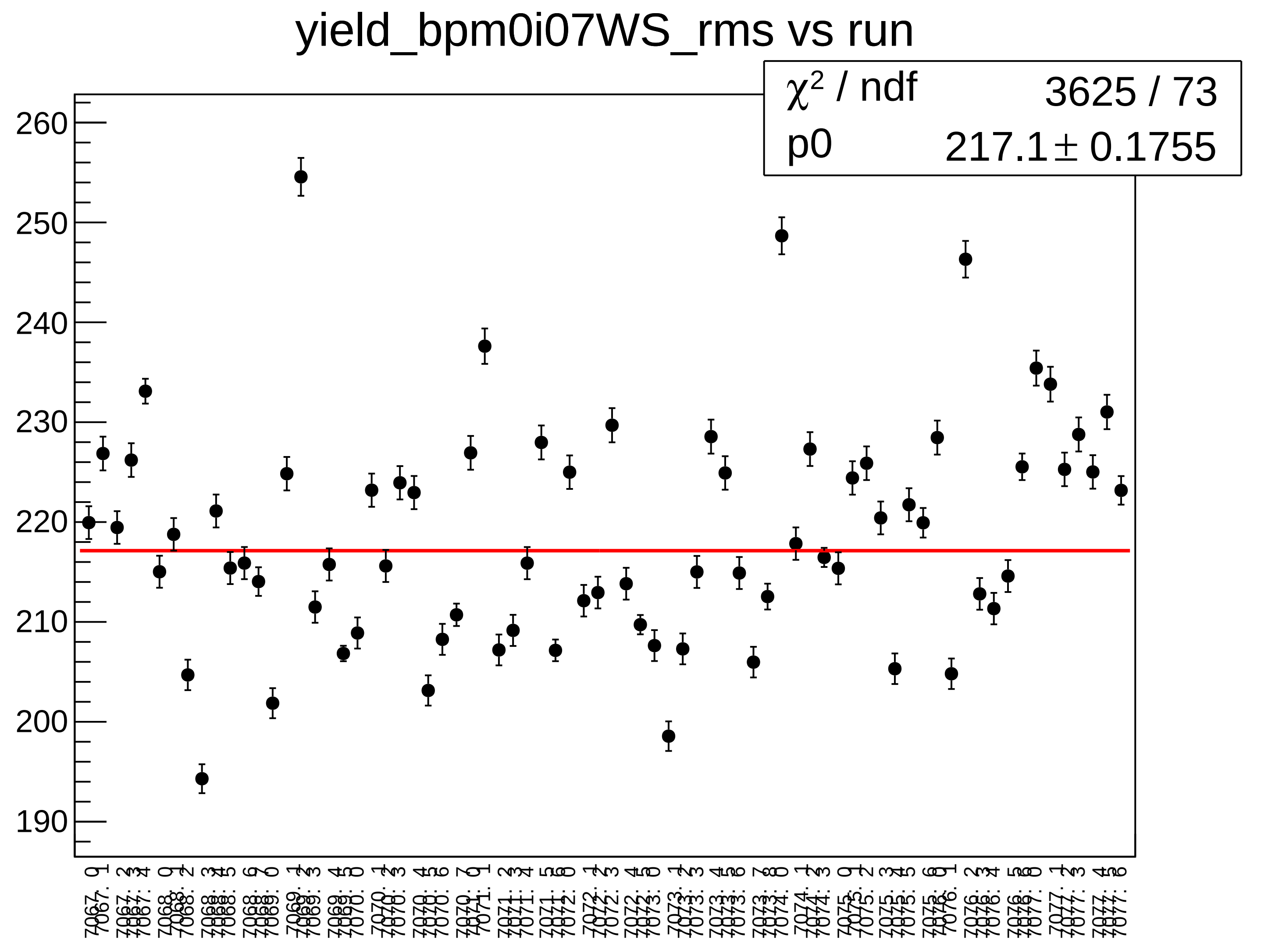
yield_bpm0i05WS_mean vs run
×10^3
χ2 / ndf 8.702e+04 / 73
p0 1.554e+05 ± 0.2551
pull
Entries 74
Mean 109.2
Std Dev 15.54
pull1D
Entries 74
Mean −1.611
Std Dev 4.967



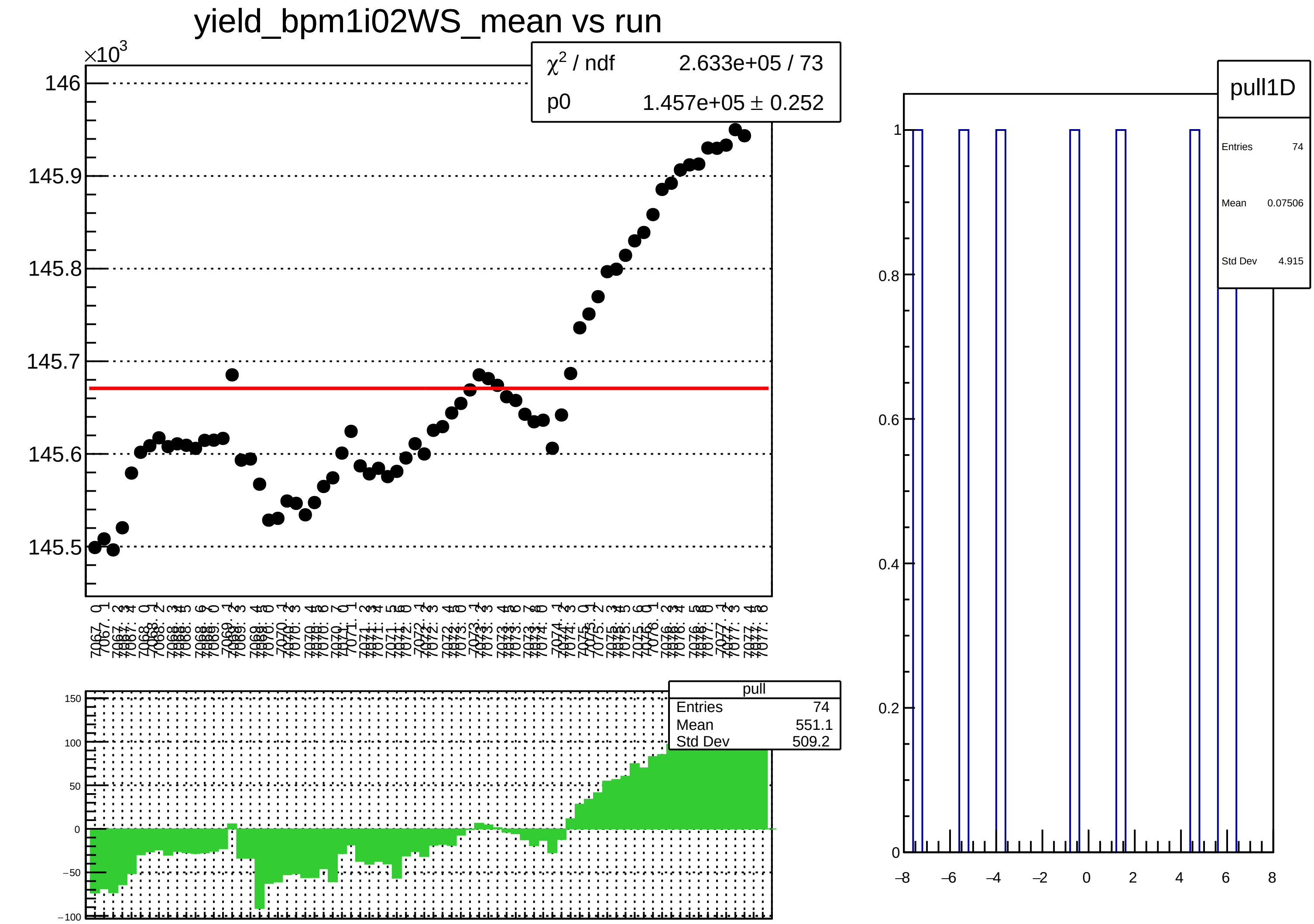
yield_bpm0i05WS_rms vs run
χ^2 / ndf 1.007e+04 / 73
p0 222.8 ± 0.1804
550
500
450
400
350
300
250
200

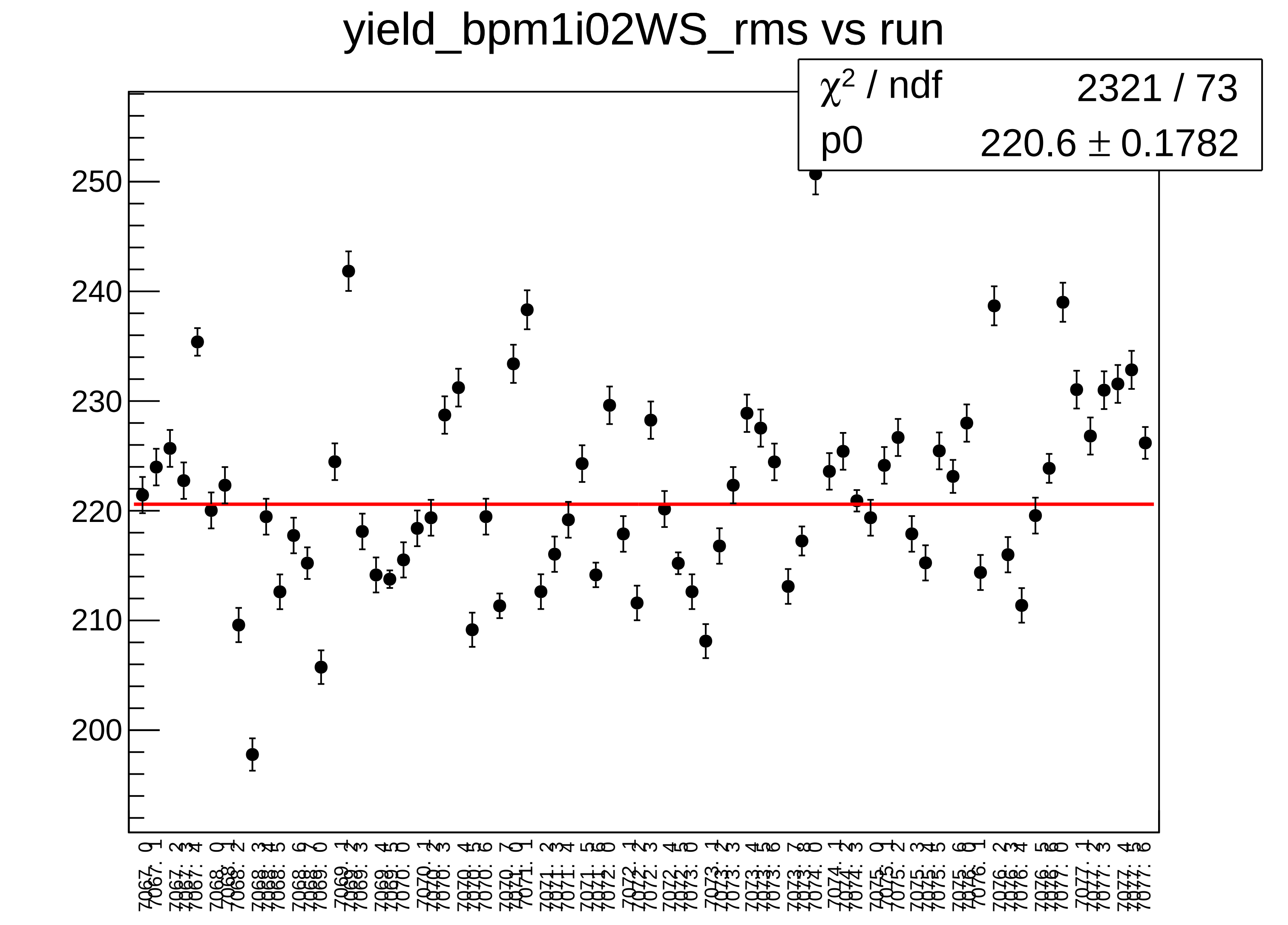


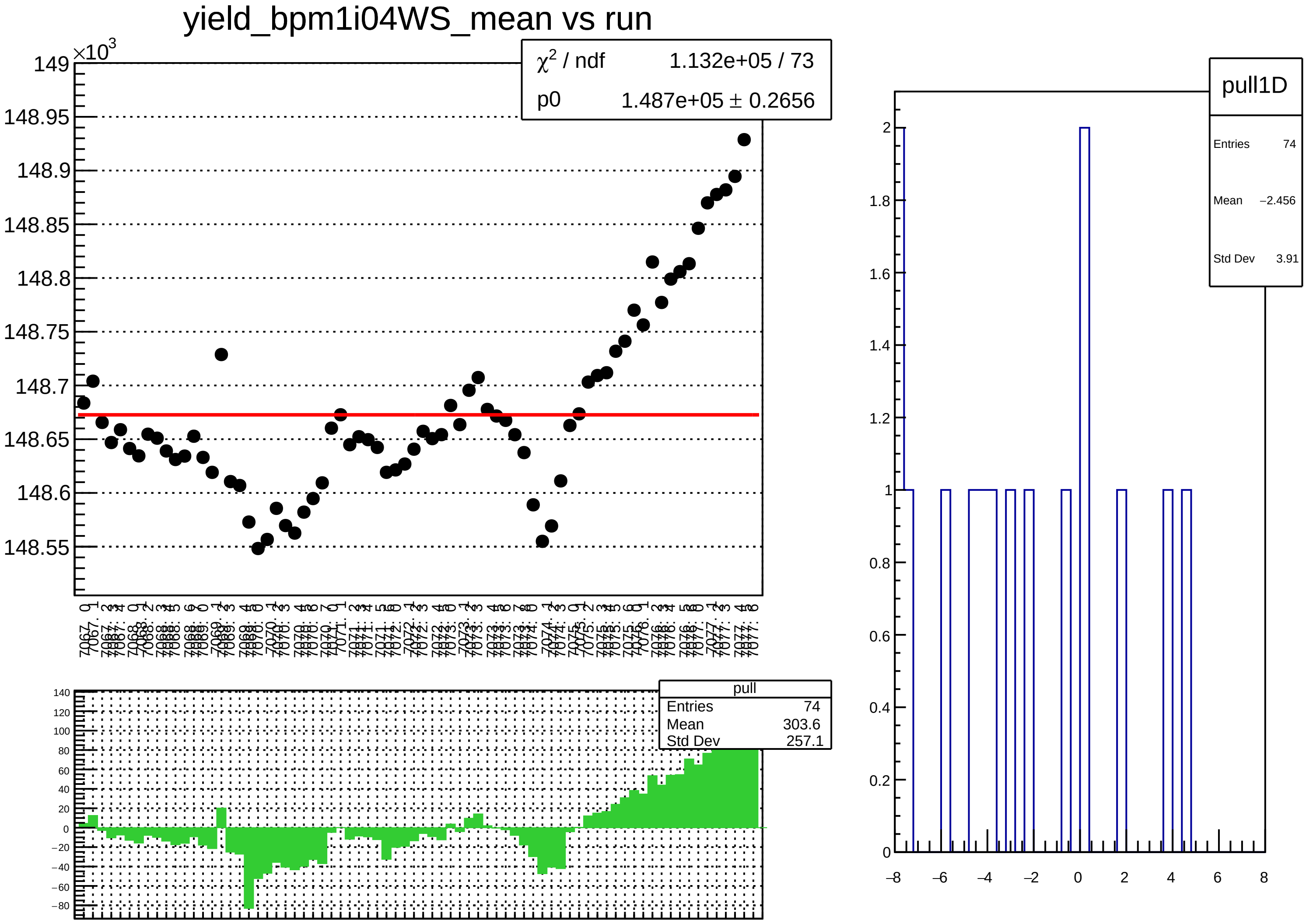
yield_bpm0i07WS_mean vs run
χ2 / ndf 1.062e+05 / 73
p0 1.503e+05 ± 0.2481
pull
Entries 74
Mean 1337
Std Dev 1302
pull1D
Entries 74
Mean 2.184
Std Dev 4.287



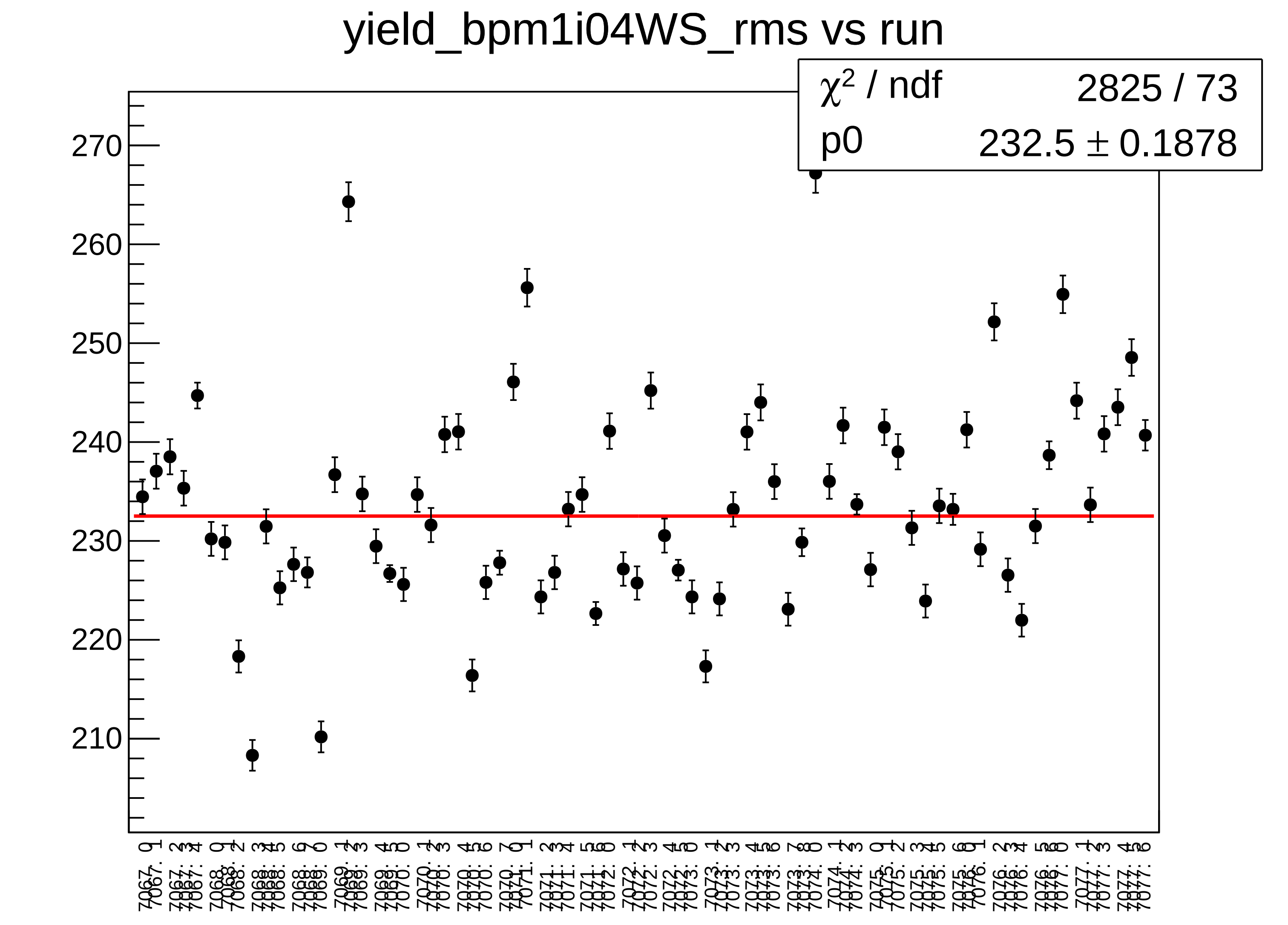
yield_bpm0i07WS_rms vs run
χ2 / ndf 3625 / 73
p0 217.1 ± 0.1755
260
250
240
230
220
210
200
190

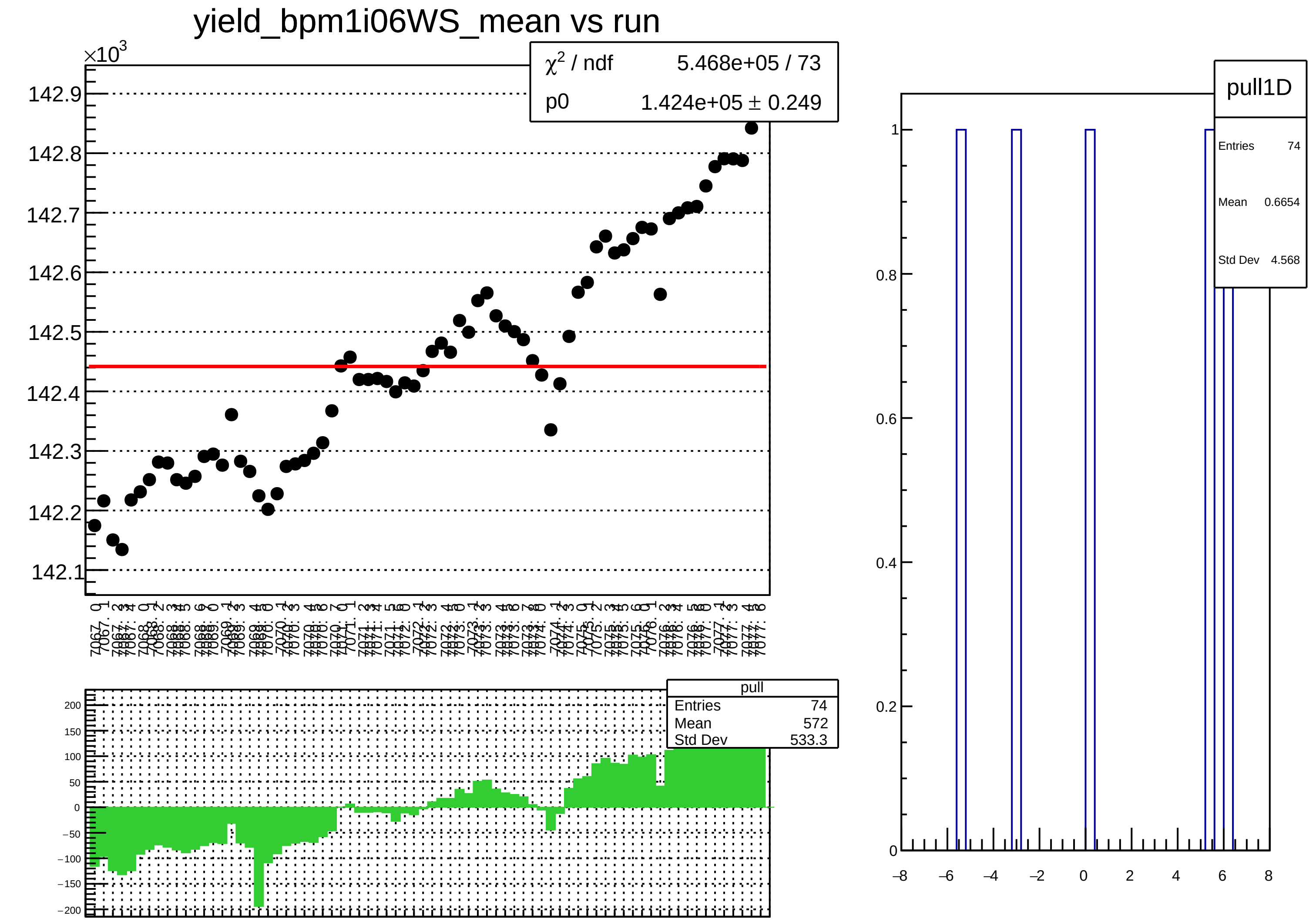

yield_bpm1i02WS_mean vs run
×10^3
146
145.9
145.8
145.7
145.6
145.5
χ2 / ndf 2.633e+05 / 73
p0 1.457e+05 ± 0.252
pull
Entries 74
Mean 551.1
Std Dev 509.2
150
100
50
0
−50
−100
pull1D
Entries 74
Mean 0.07506
Std Dev 4.915
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm1i02WS_rms vs run
χ2 / ndf 2321 / 73
p0 220.6 ± 0.1782
250
240
230
220
210
200

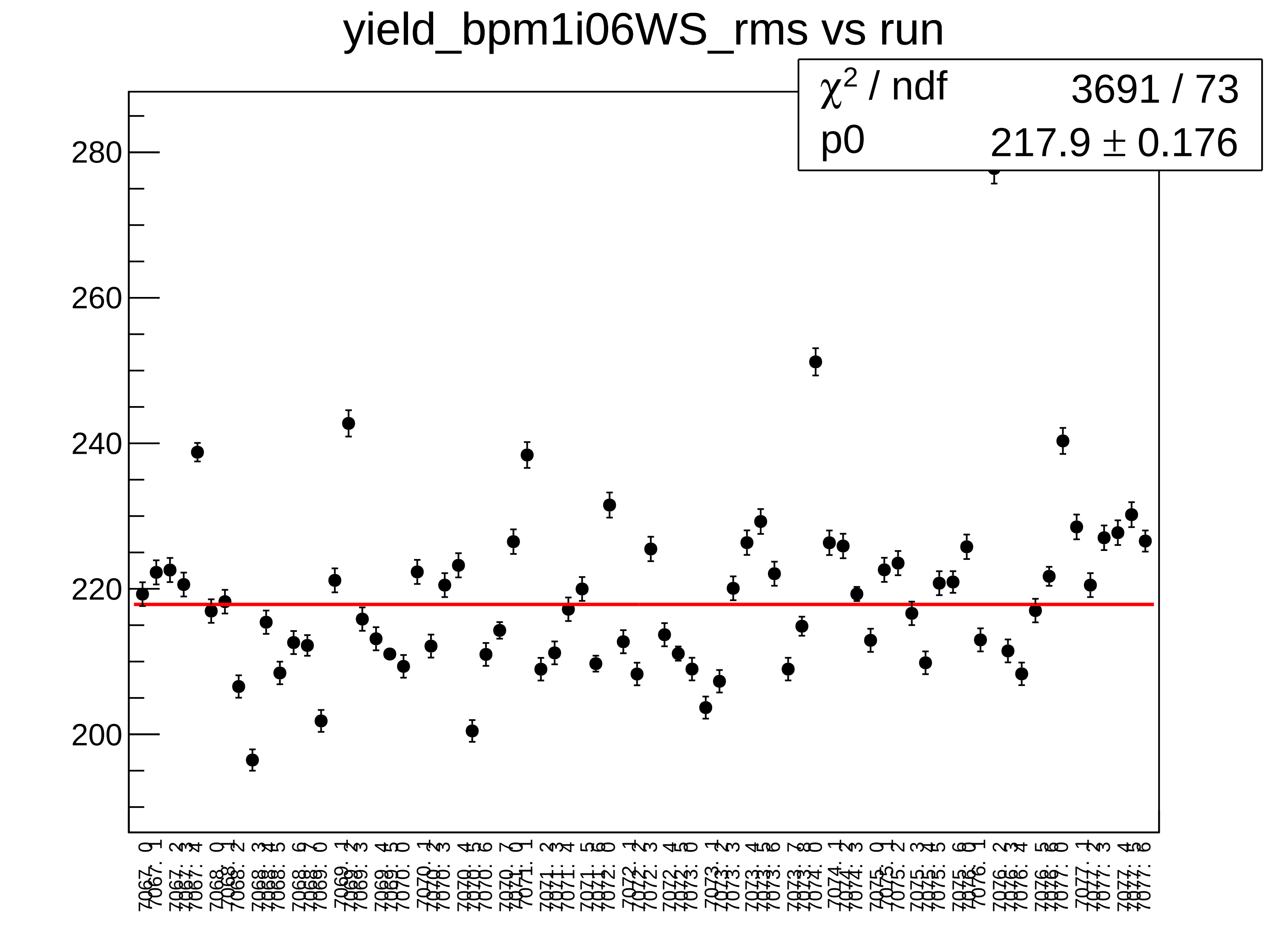


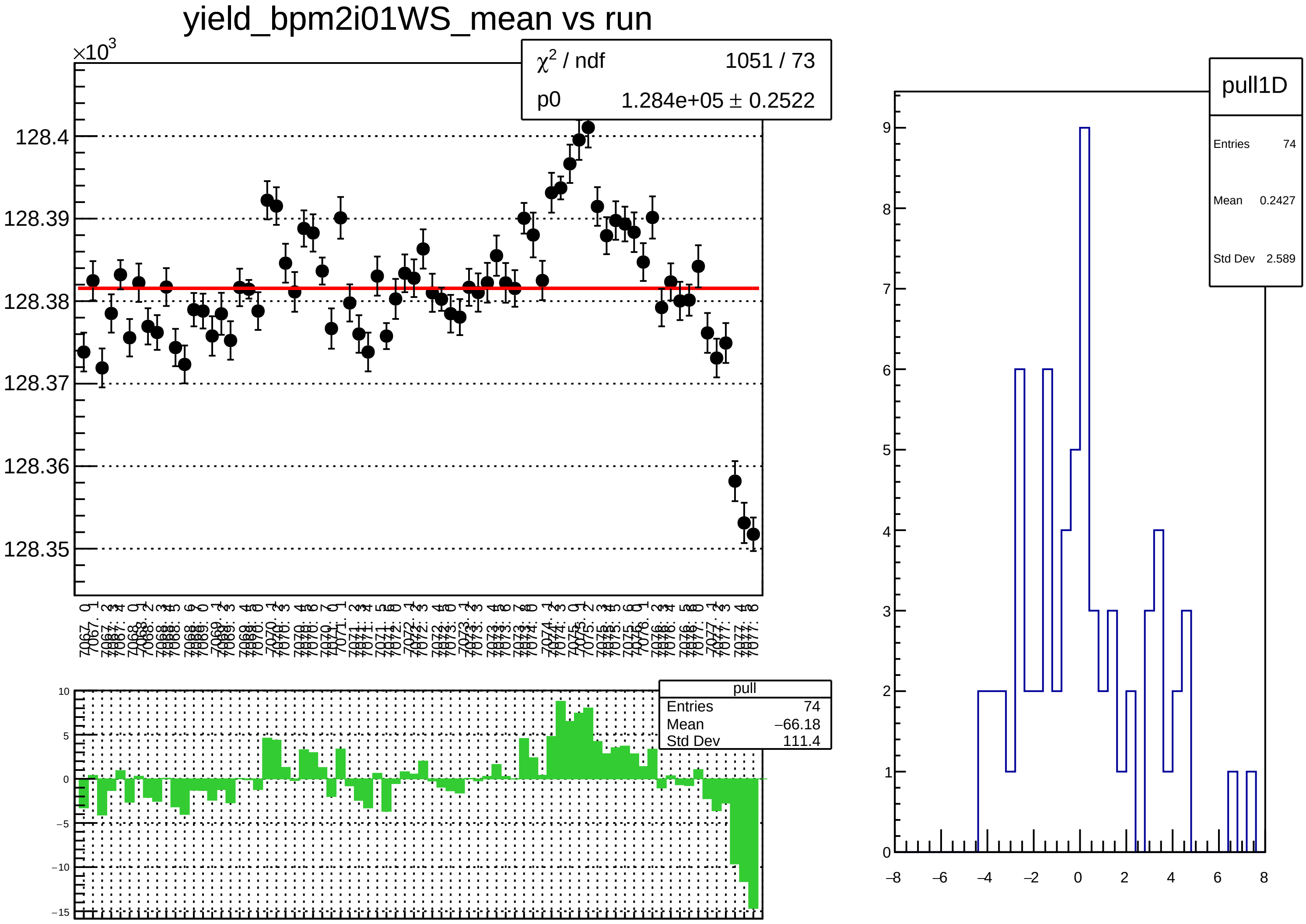
yield_bpm1i04WS_mean vs run
×10^3
χ2 / ndf 1.132e+05 / 73
p0 1.487e+05 ± 0.2656
149
148.95
148.9
148.85
148.8
148.75
148.7
148.65
148.6
148.55
pull
Entries 74
Mean 303.6
Std Dev 257.1
pull1D
Entries 74
Mean −2.456
Std Dev 3.91


yield_bpm1i04WS_rms vs run
χ2 / ndf 2825 / 73
p0 232.5 ± 0.1878
270
260
250
240
230
220
210

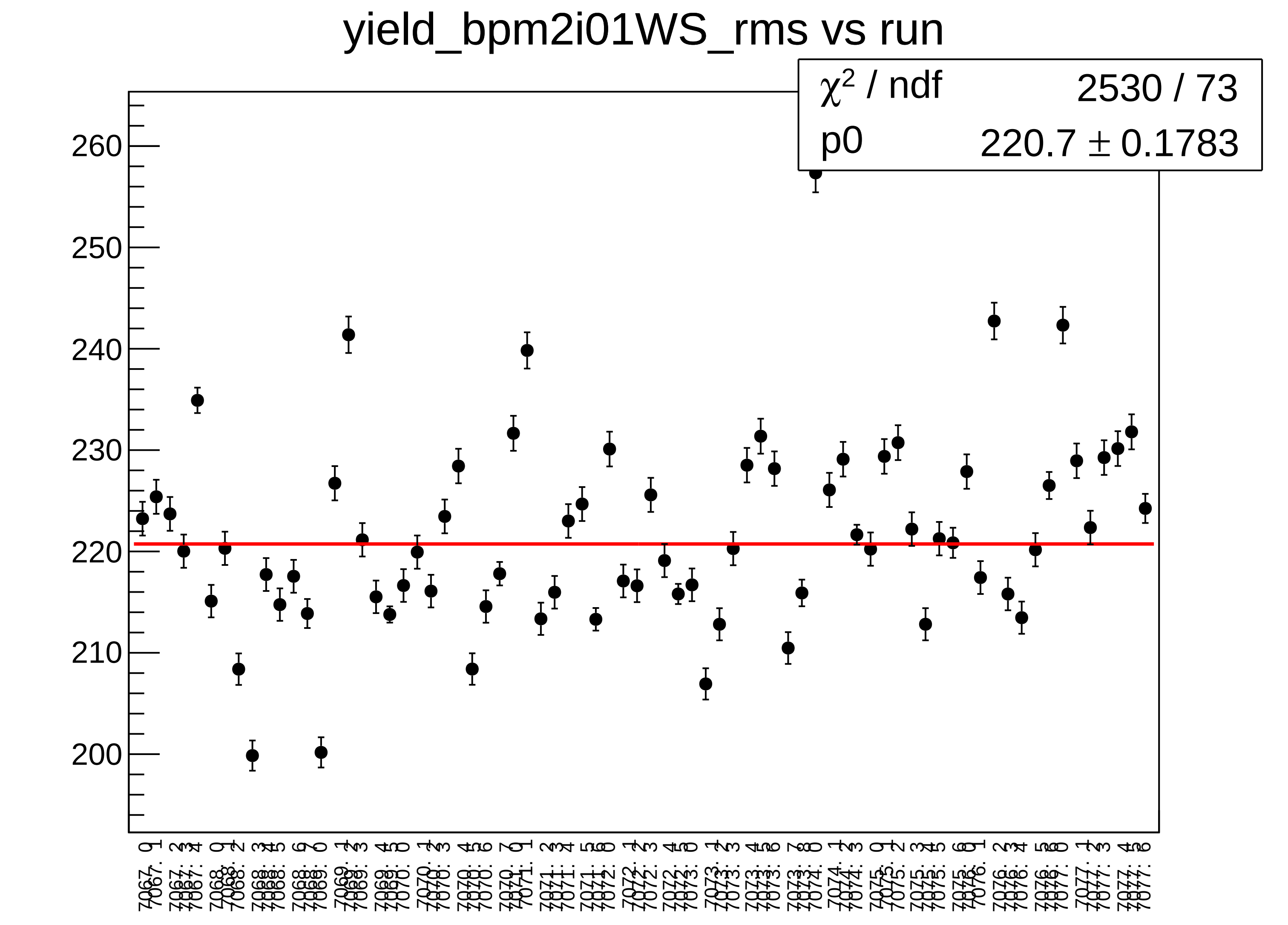


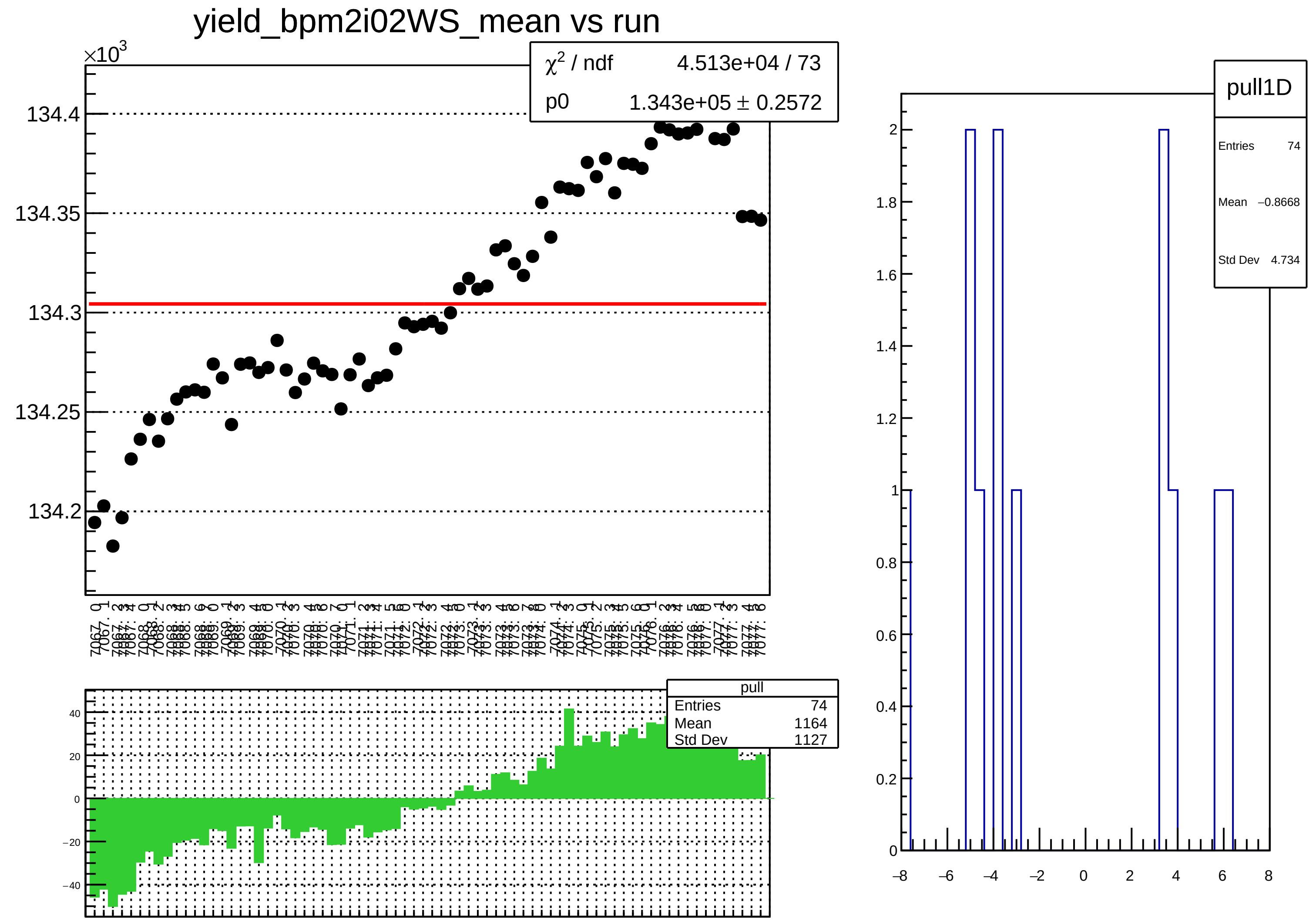
yield_bpm1i06WS_mean vs run
$\times 10^3$
χ^2 / ndf 5.468e+05 / 73
p0 1.424e+05 ± 0.249
pull
Entries 74
Mean 572
Std Dev 533.3
pull1D
Entries 74
Mean 0.6654
Std Dev 4.568

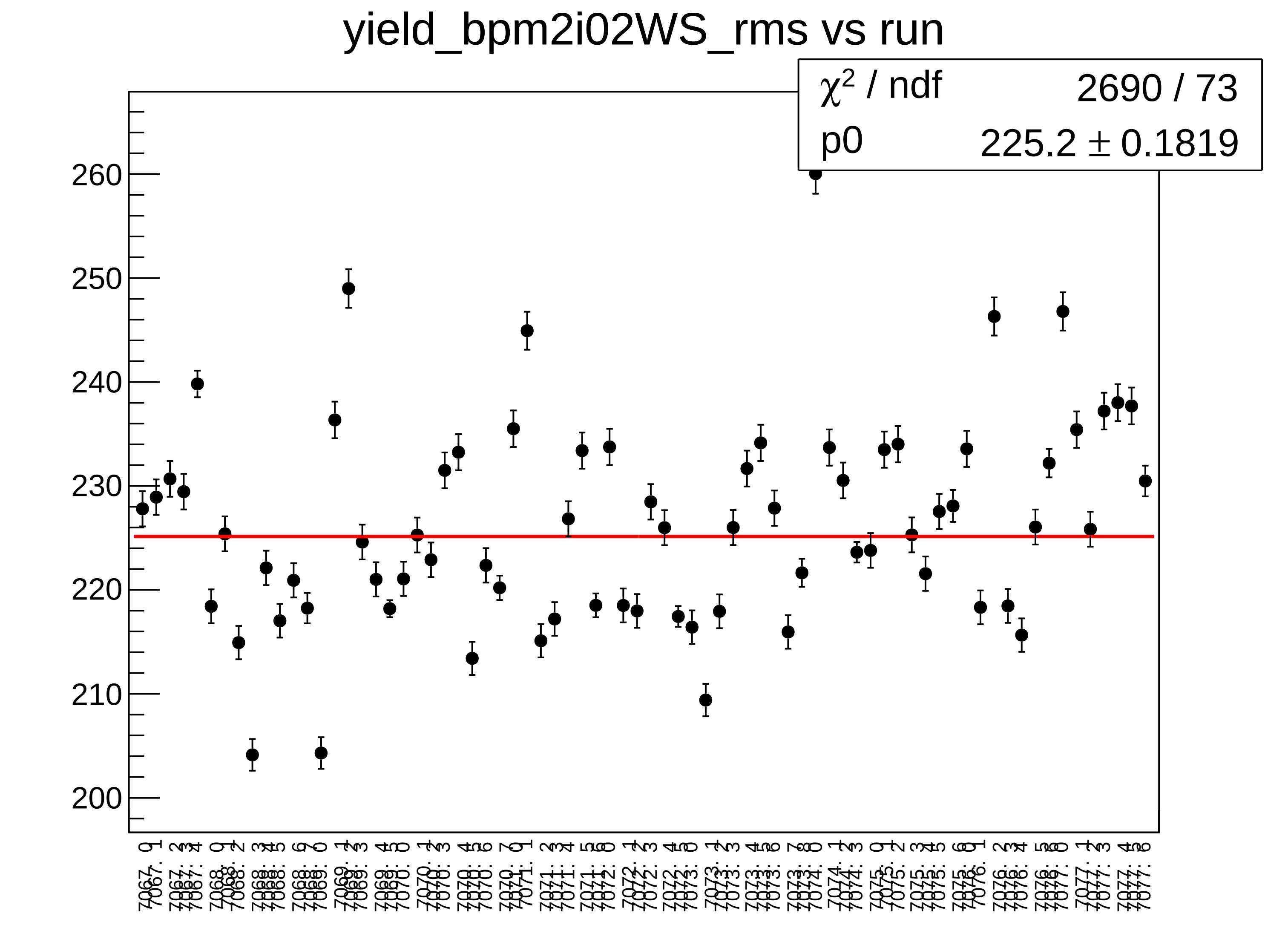

yield_bpm1i06WS_rms vs run
χ2 / ndf 3691 / 73
p0 217.9 ± 0.176
280
260
240
220
200



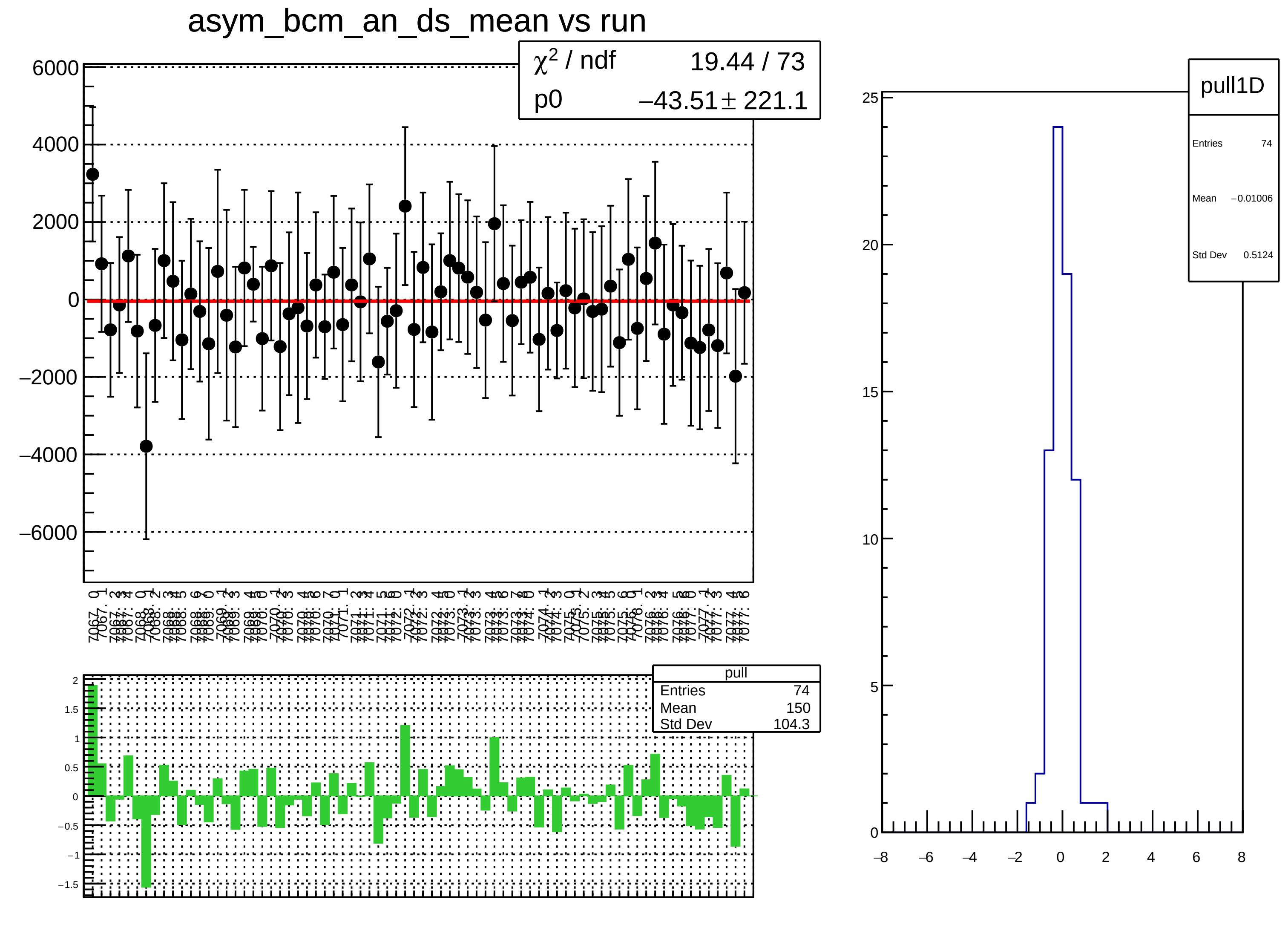
yield_bpm2i01WS_mean vs run
$\times10^3$
χ^2 / ndf 1051 / 73
p0 1.284e+05 ± 0.2522
128.4
128.39
128.38
128.37
128.36
128.35
pull
Entries 74
Mean −66.18
Std Dev 111.4
pull1D
Entries 74
Mean 0.2427
Std Dev 2.589


yield_bpm2i01WS_rms vs run
χ^2 / ndf 2530 / 73
p0 220.7 ± 0.1783
260
250
240
230
220
210
200

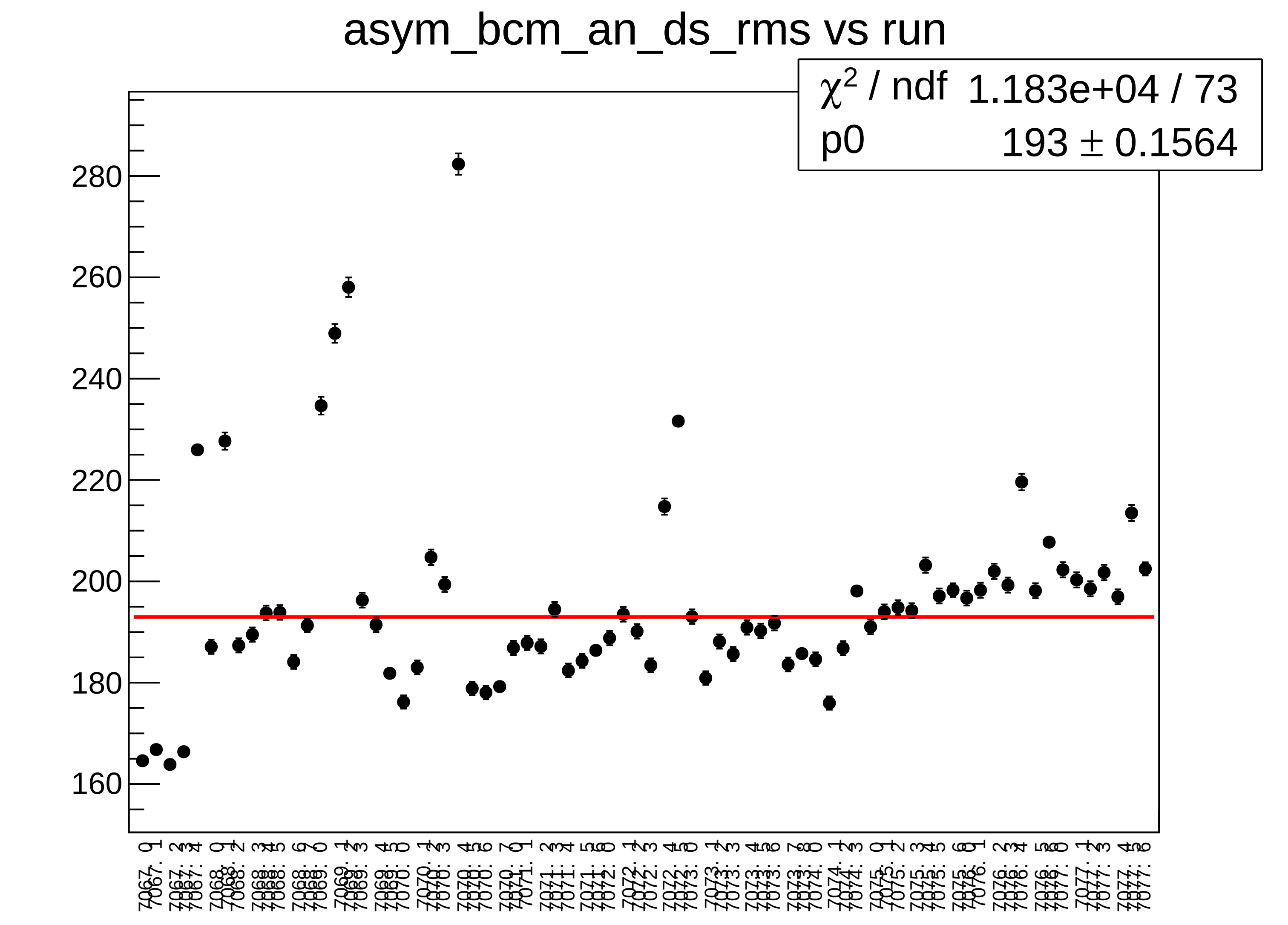

yield_bpm2i02WS_mean vs run
χ² / ndf 4.513e+04 / 73
p0 1.343e+05 ± 0.2572
pull
Entries 74
Mean 1164
Std Dev 1127
pull1D
Entries 74
Mean −0.8668
Std Dev 4.734



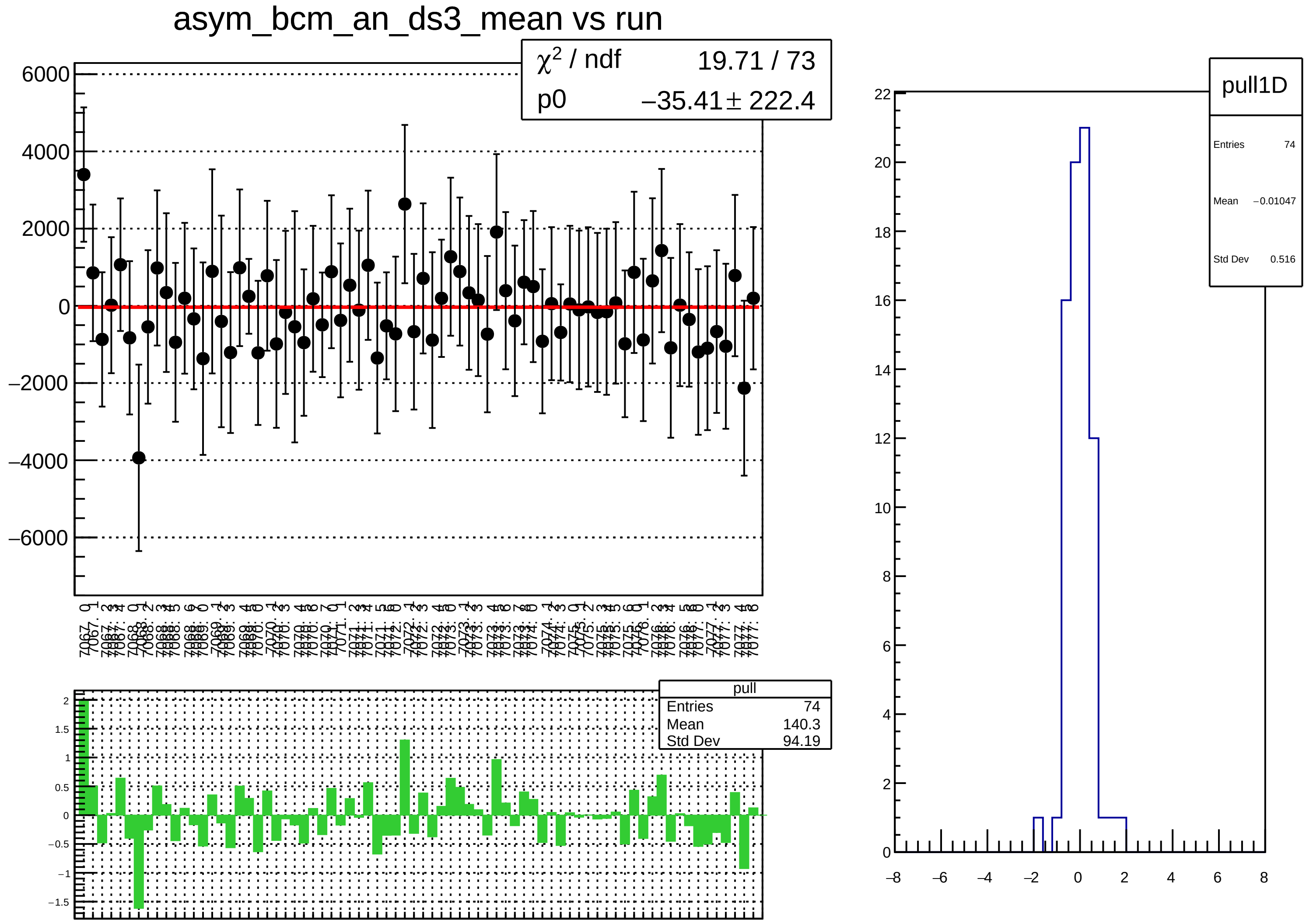
yield_bpm2i02WS_rms vs run
χ^2 / ndf 2690 / 73
p0 225.2 ± 0.1819
260
250
240
230
220
210
200

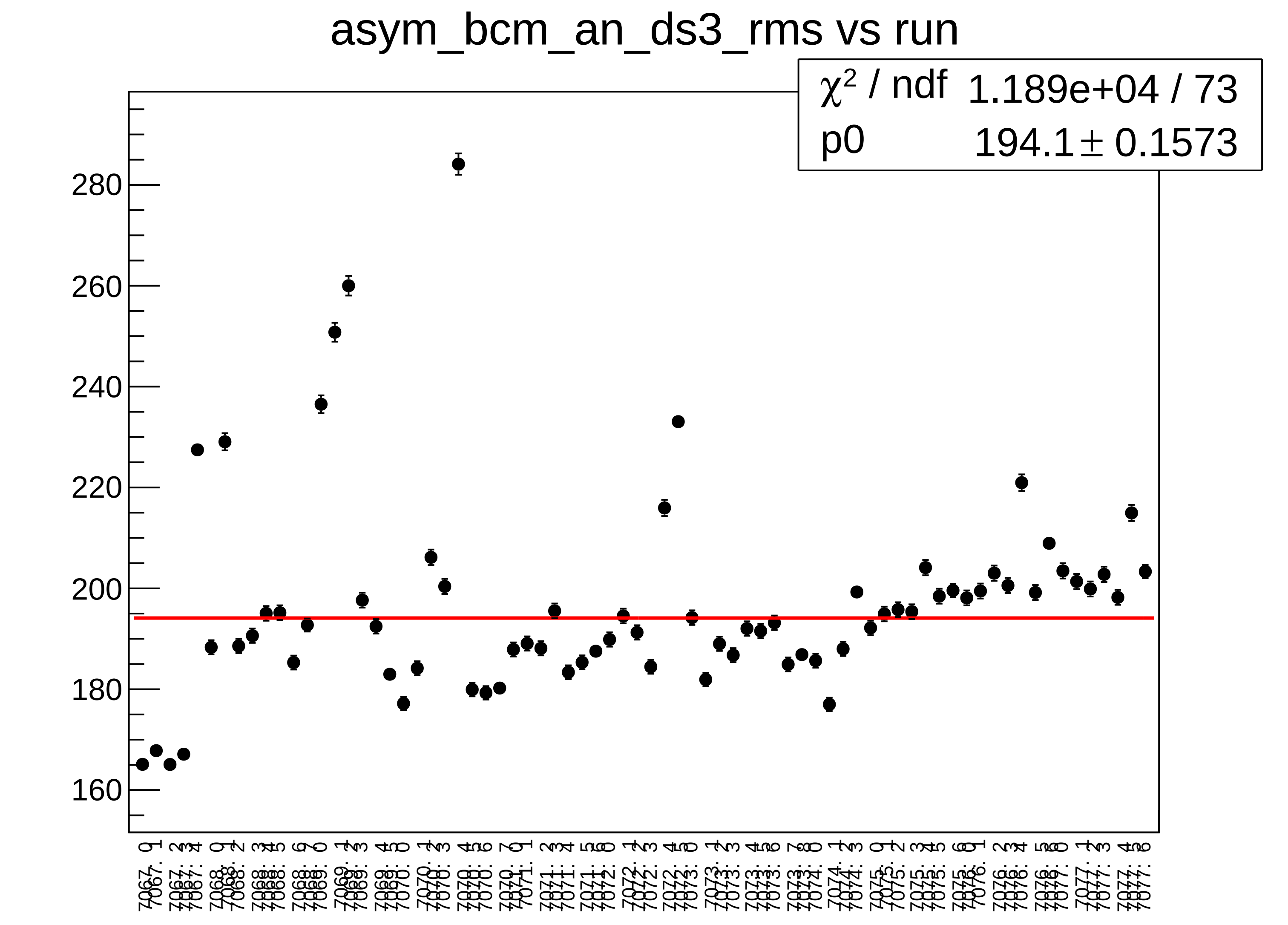


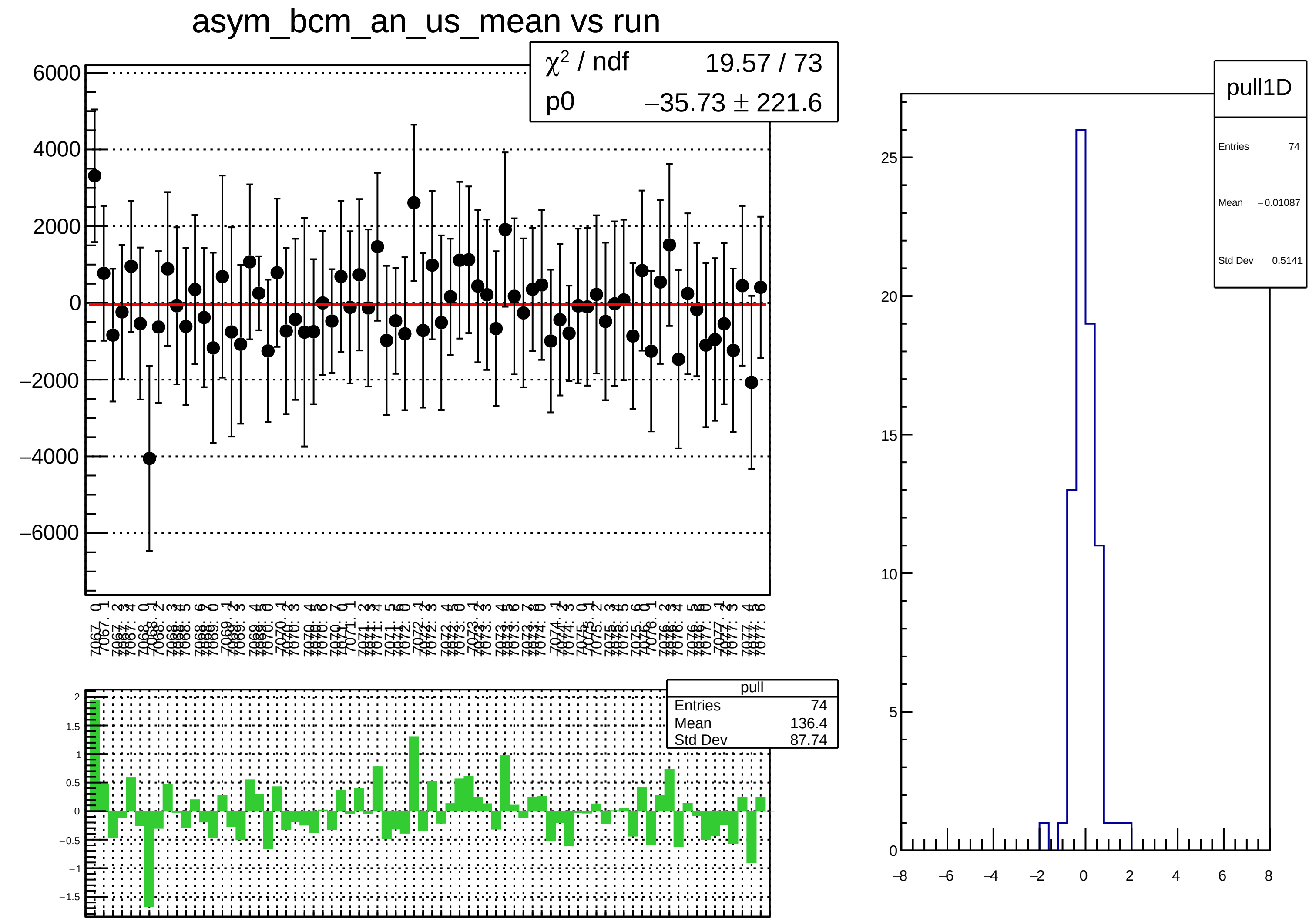
asym_bcm_an_ds_mean vs run
χ2 / ndf 19.44 / 73
p0 −43.51 ± 221.1
pull
Entries 74
Mean 150
Std Dev 104.3
pull1D
Entries 74
Mean −0.01006
Std Dev 0.5124



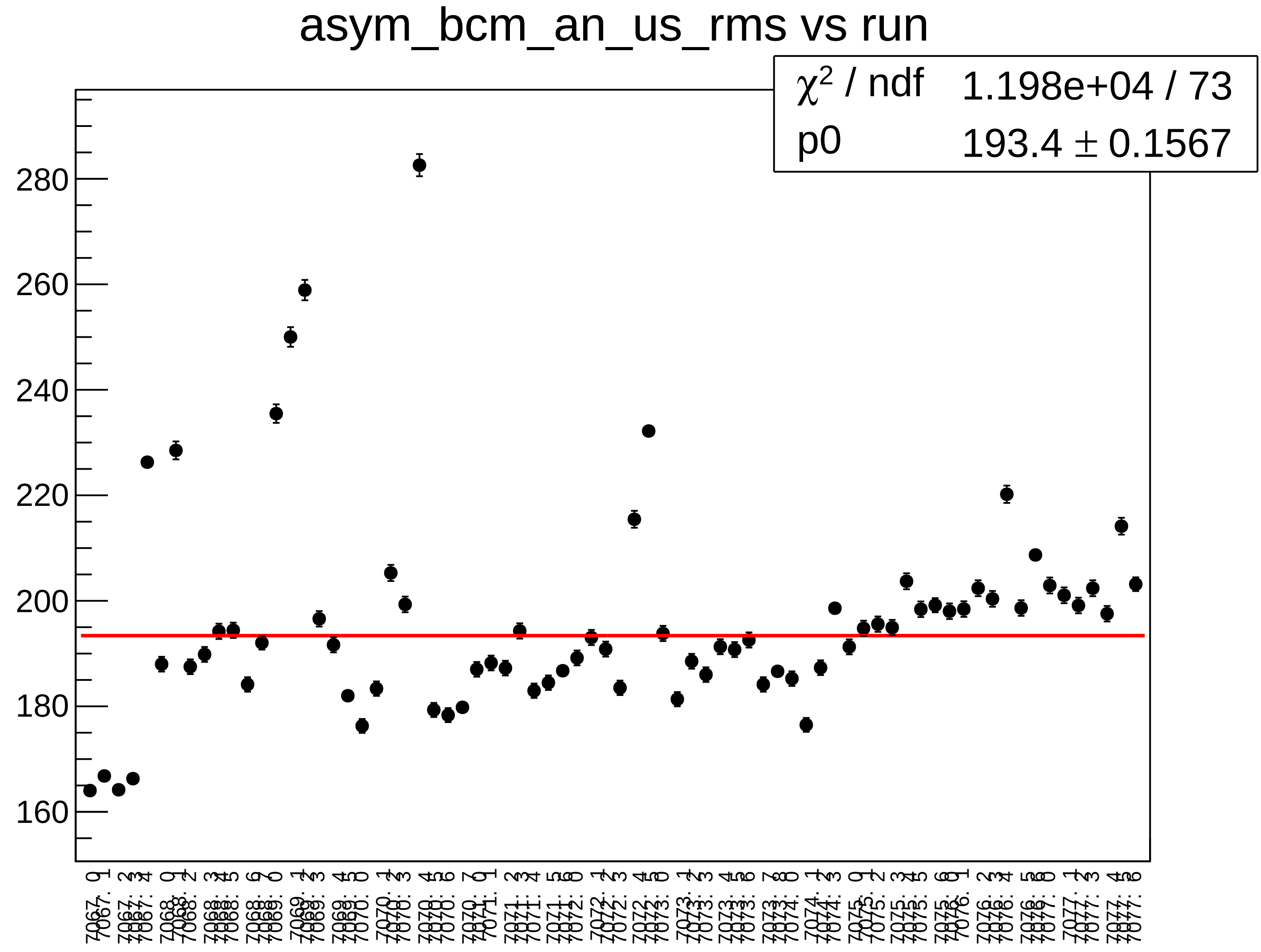
asym_bcm_an_ds_rms vs run
χ2 / ndf 1.183e+04 / 73
p0 193 ± 0.1564


asym_bcm_an_ds3_mean vs run
χ2 / ndf 19.71 / 73
p0 −35.41 ± 222.4
pull
Entries 74
Mean 140.3
Std Dev 94.19
pull1D
Entries 74
Mean −0.01047
Std Dev 0.516

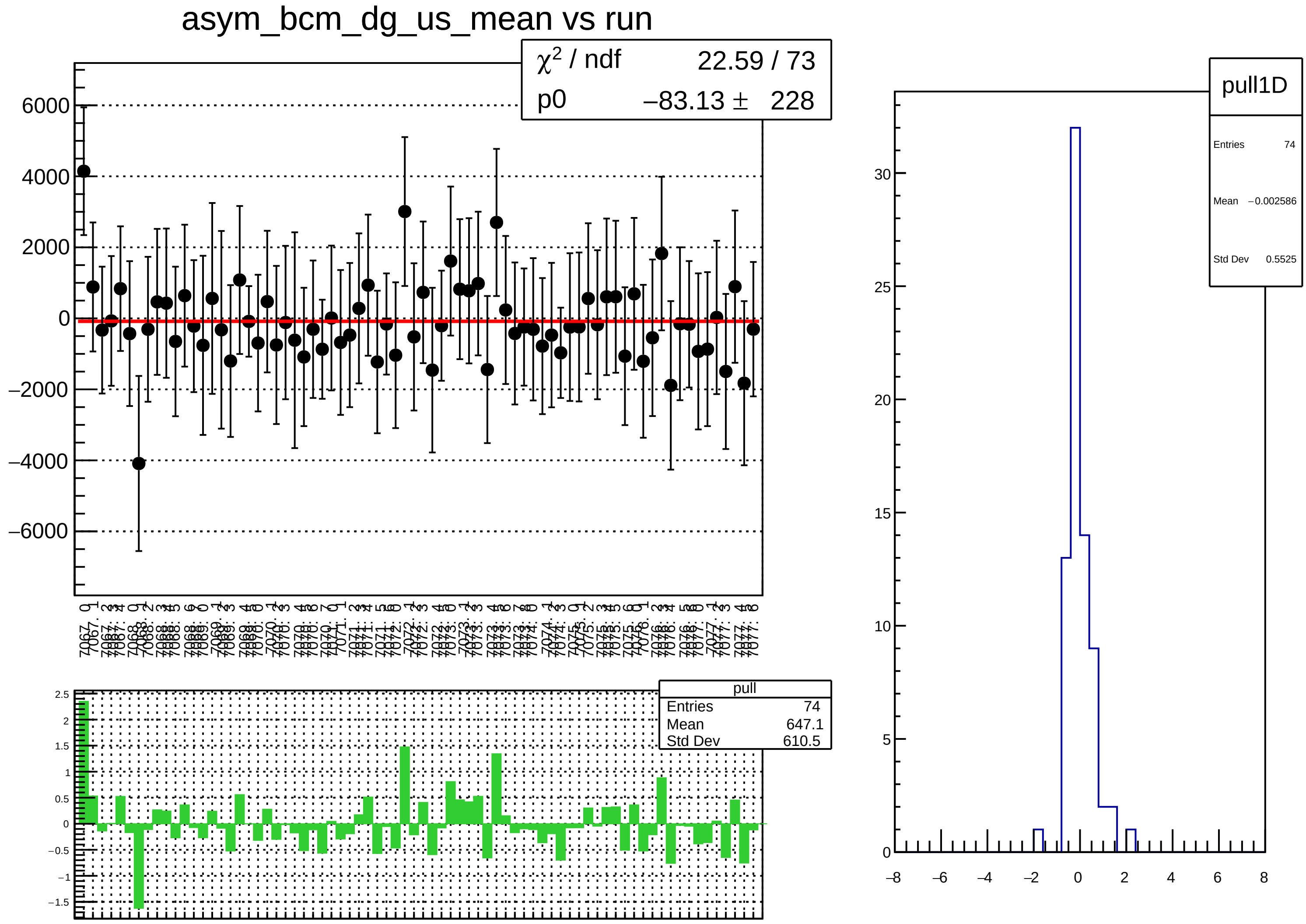

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 1.189e+04 / 73
p0 194.1 ± 0.1573
280
260
240
220
200
180
160



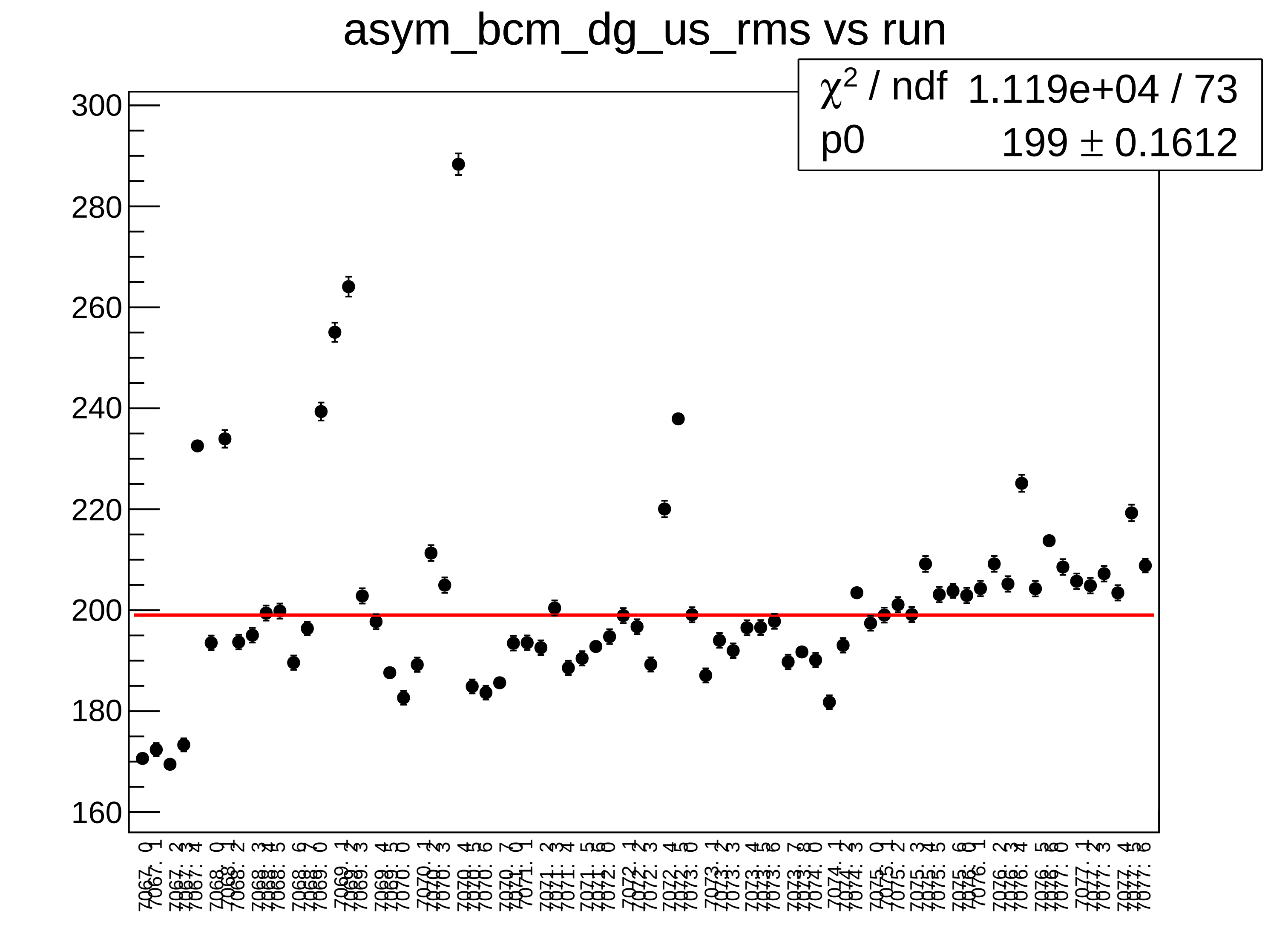
asym_bcm_an_us_mean vs run
χ^2 / ndf 19.57 / 73
p0 −35.73 ± 221.6
pull
Entries 74
Mean 136.4
Std Dev 87.74
pull1D
Entries 74
Mean −0.01087
Std Dev 0.5141



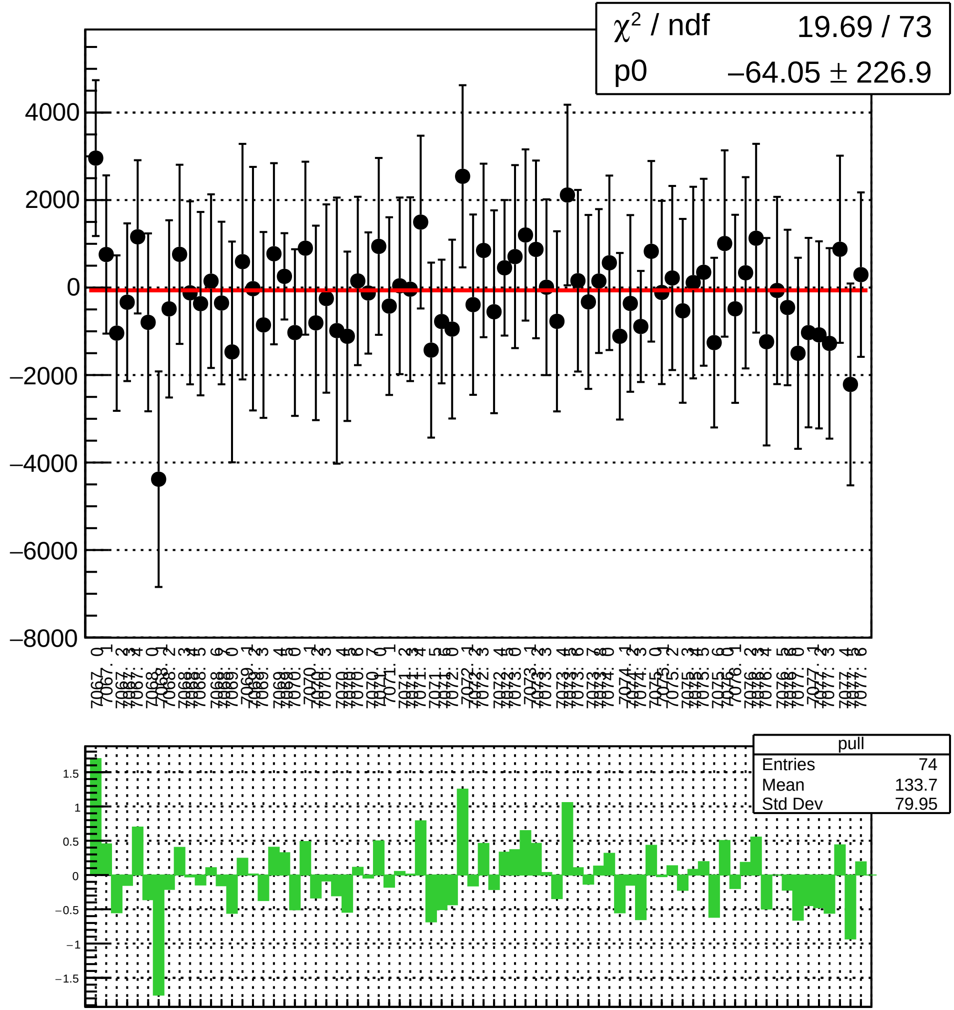
asym_bcm_an_us_rms vs run
χ^2 / ndf 1.198e+04 / 73
p0 193.4 ± 0.1567
280
260
240
220
200
180
160

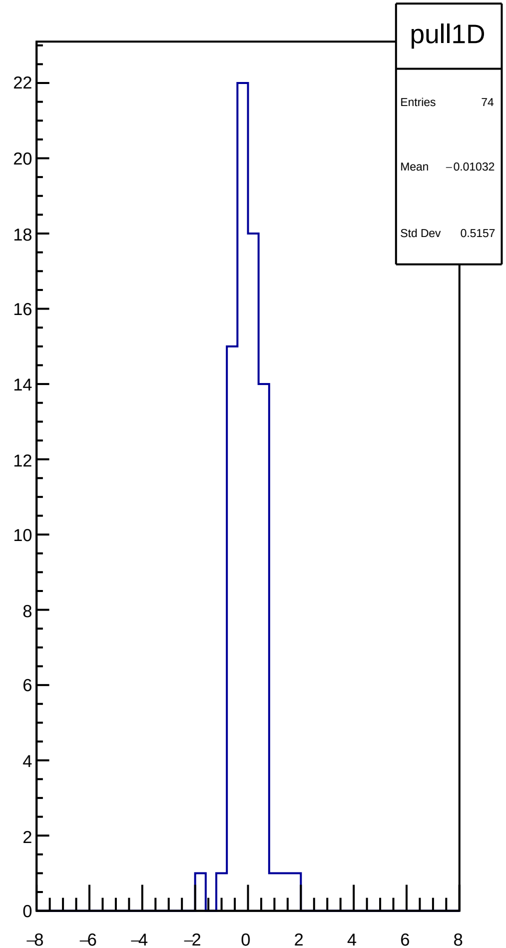


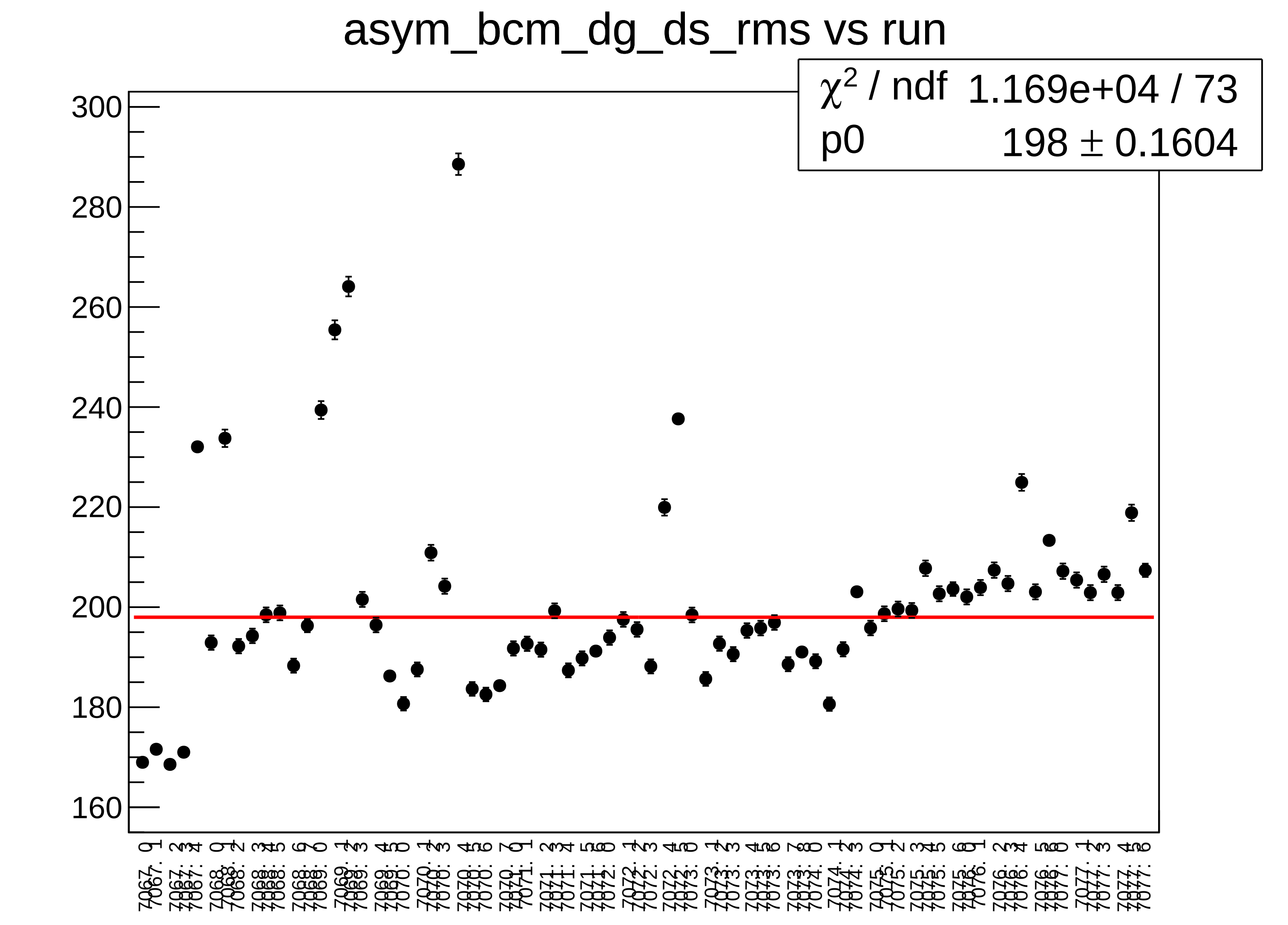
asym_bcm_dg_us_mean vs run
χ^2 / ndf 22.59 / 73
p0 −83.13 ± 228
pull
Entries 74
Mean 647.1
Std Dev 610.5
pull1D
Entries 74
Mean −0.002586
Std Dev 0.5525

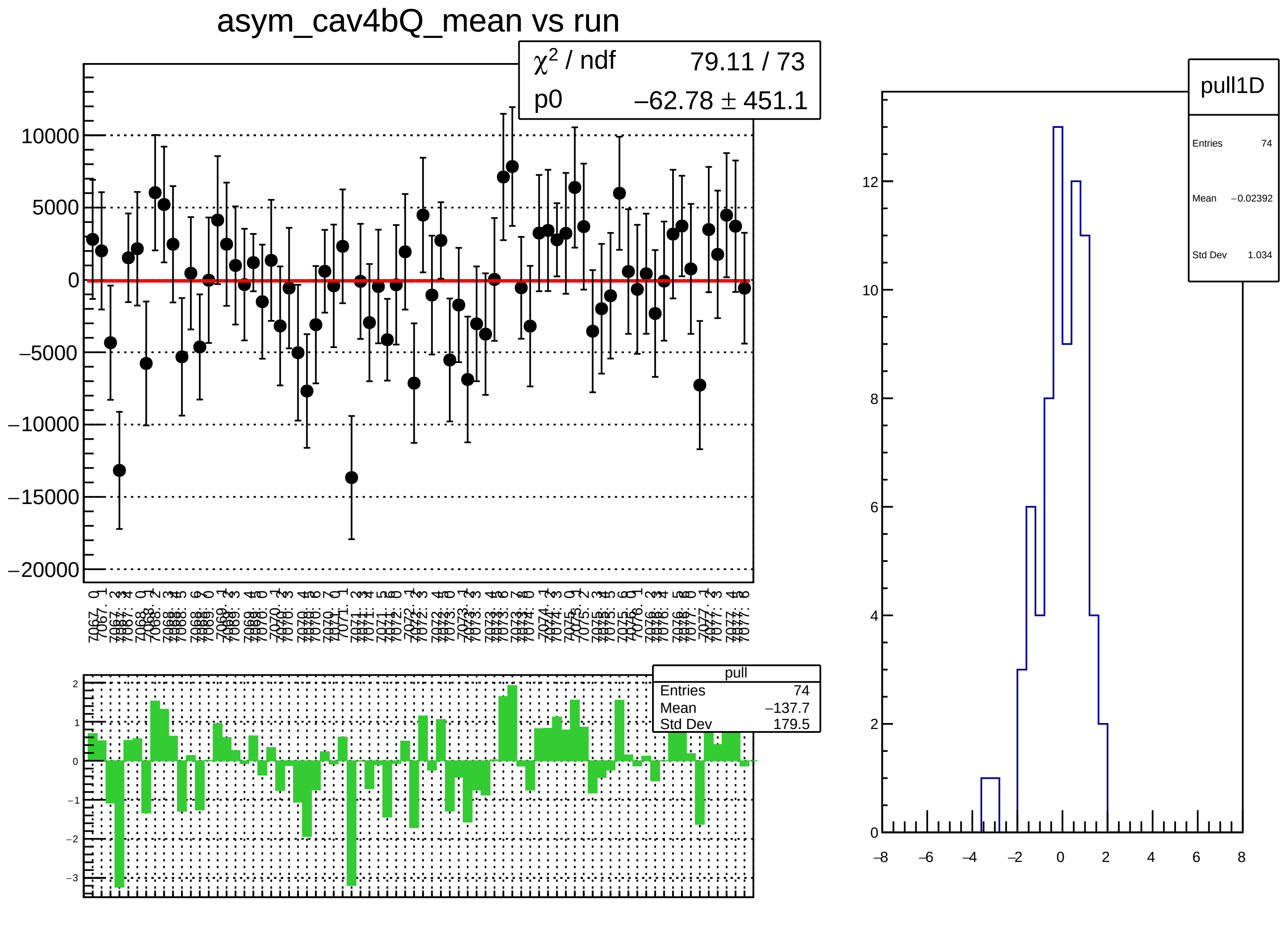

asym_bcm_dg_us_rms vs run
χ^2 / ndf 1.119e+04 / 73
p0 199 ± 0.1612
300
280
260
240
220
200
180
160

asym_bcm_dg_ds_mean vs run

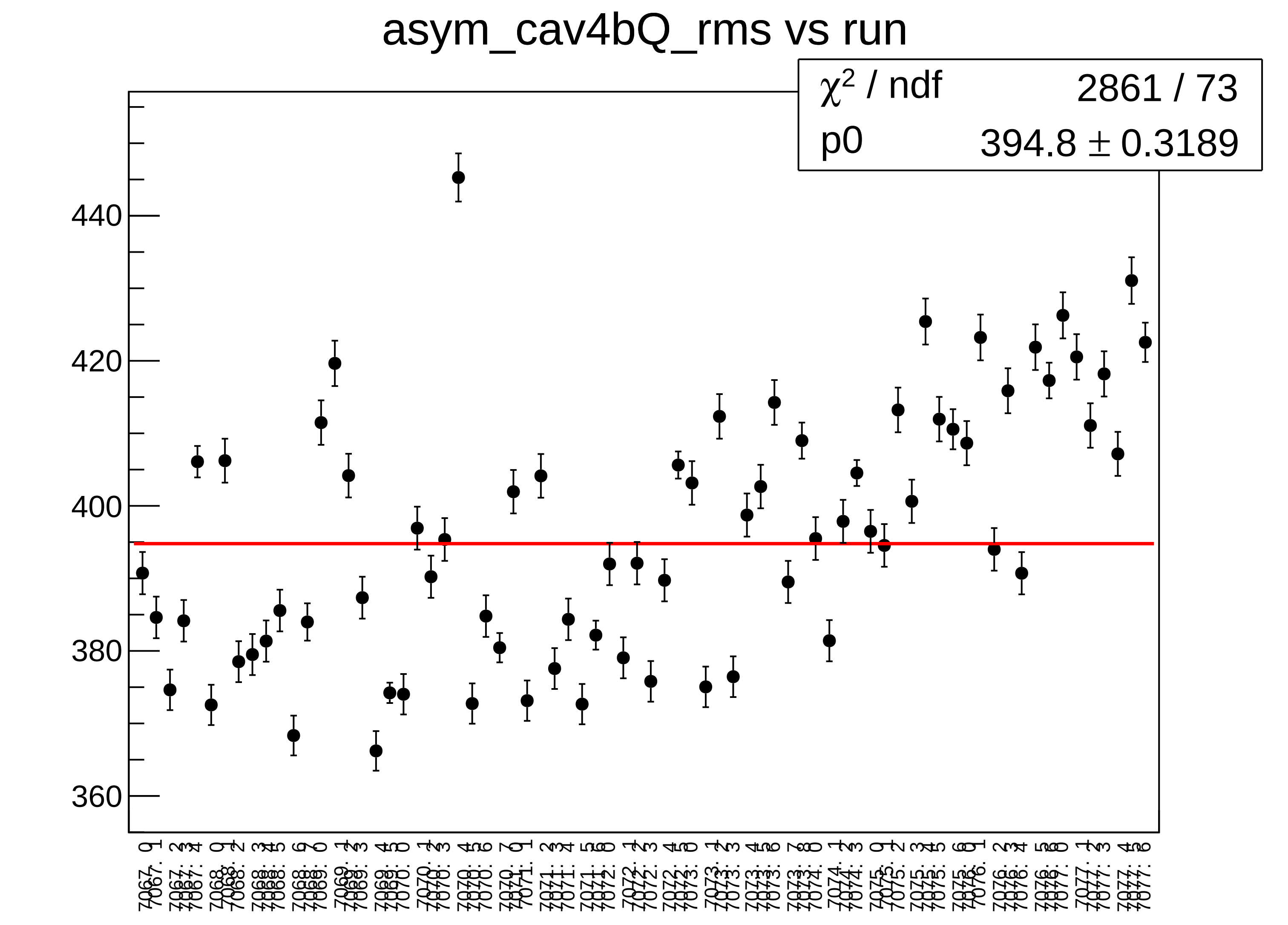




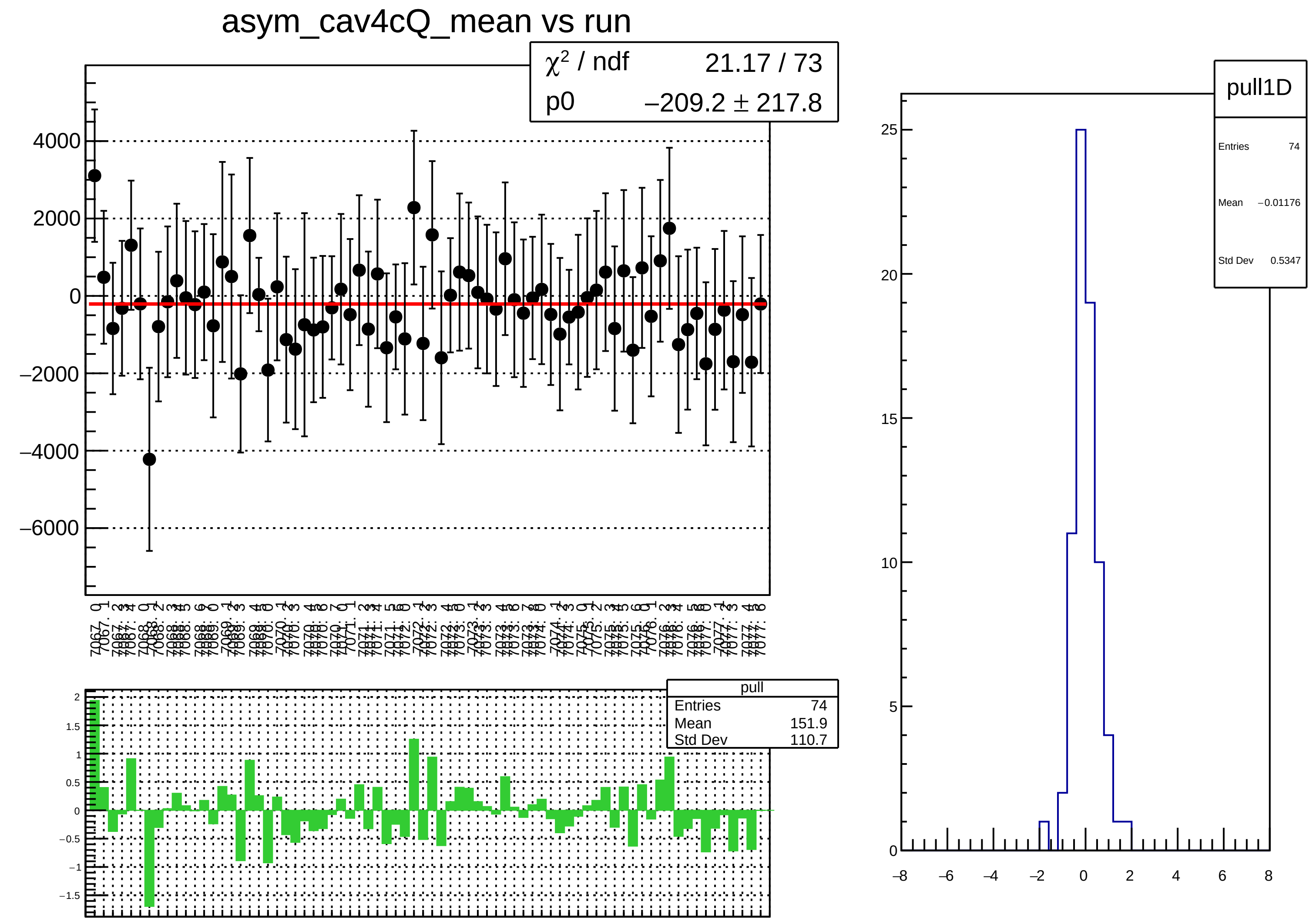

asym_bcm_dg_ds_rms vs run
χ^2 / ndf 1.169e+04 / 73
p0 198 ± 0.1604
300
280
260
240
220
200
180
160



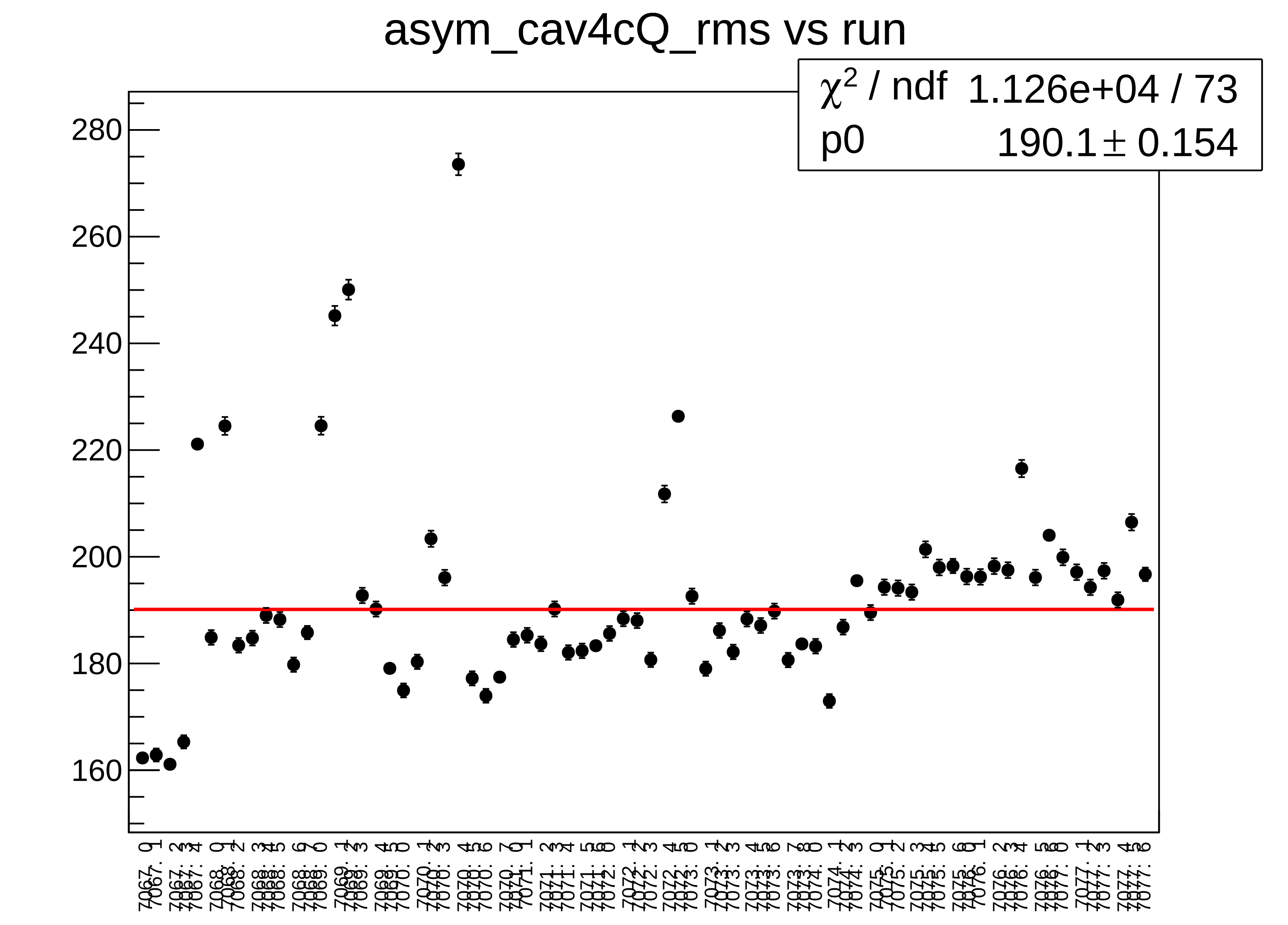
asym_cav4bQ_mean vs run
χ^2 / ndf 79.11 / 73
p0 −62.78 ± 451.1
pull
Entries 74
Mean −137.7
Std Dev 179.5
pull1D
Entries 74
Mean −0.02392
Std Dev 1.034



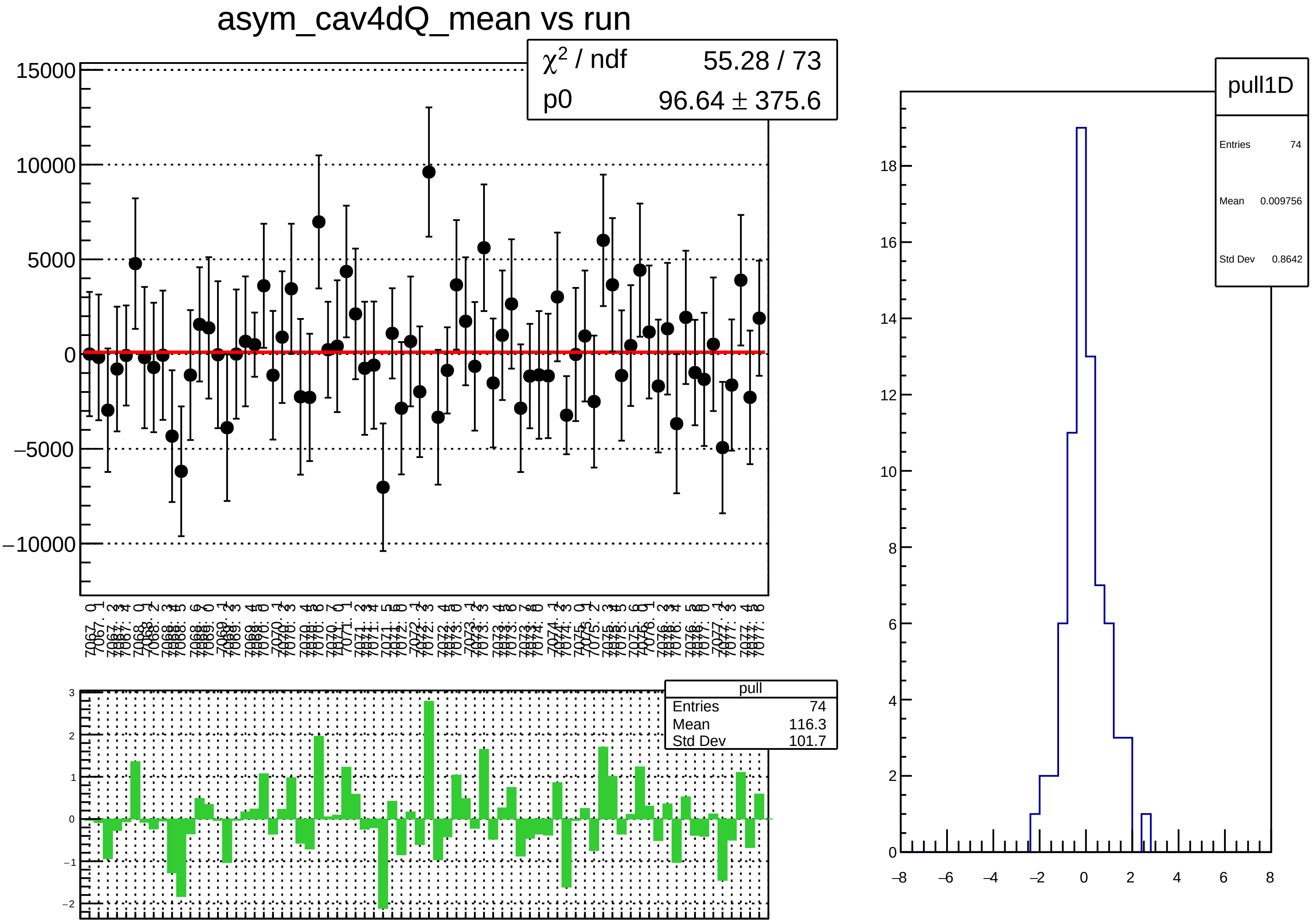
asym_cav4bQ_rms vs run
χ^2 / ndf 2861 / 73
p0 394.8 ± 0.3189
440
420
400
380
360

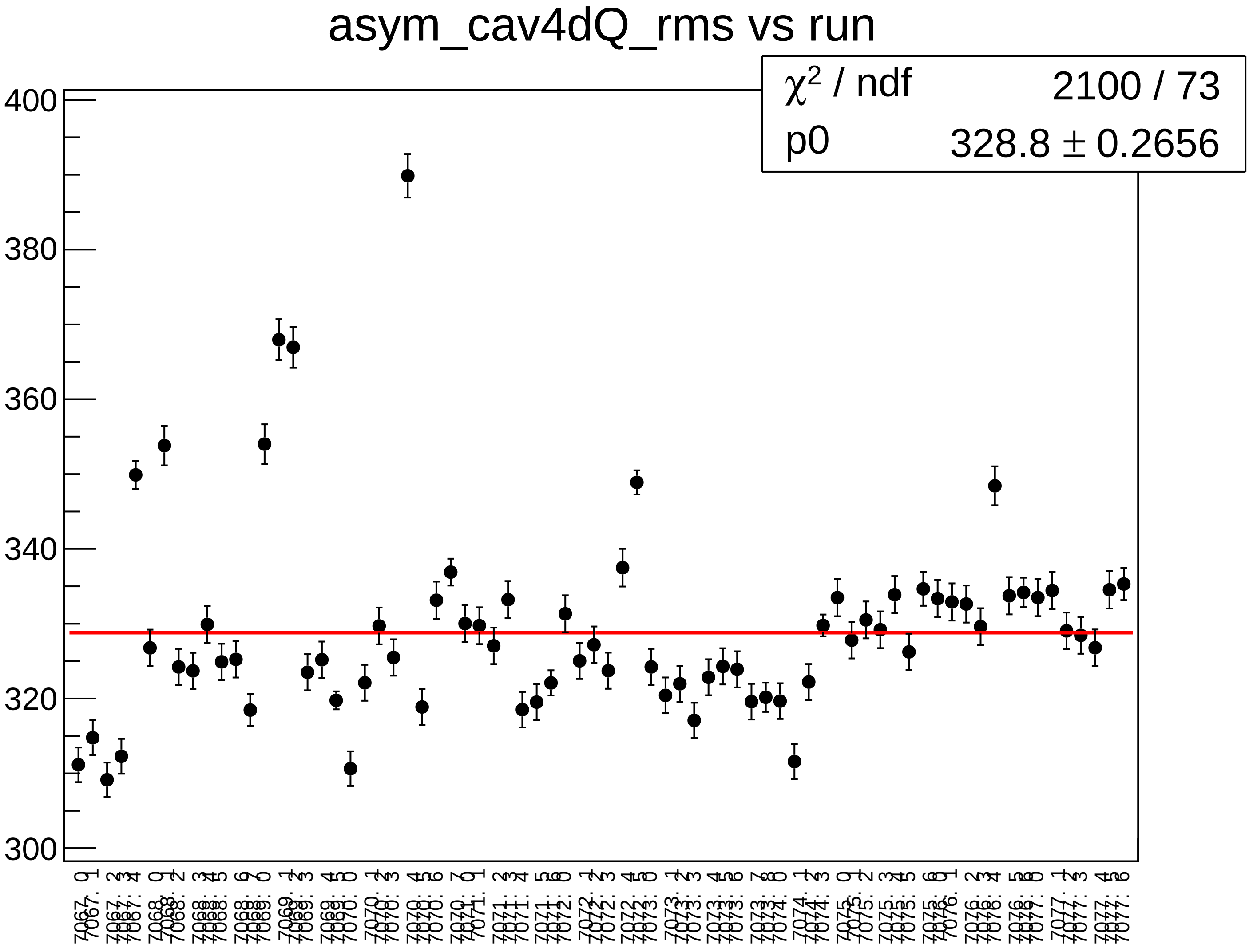


asym_cav4cQ_mean vs run
χ2 / ndf 21.17 / 73
p0 −209.2 ± 217.8
pull
Entries 74
Mean 151.9
Std Dev 110.7
pull1D
Entries 74
Mean −0.01176
Std Dev 0.5347

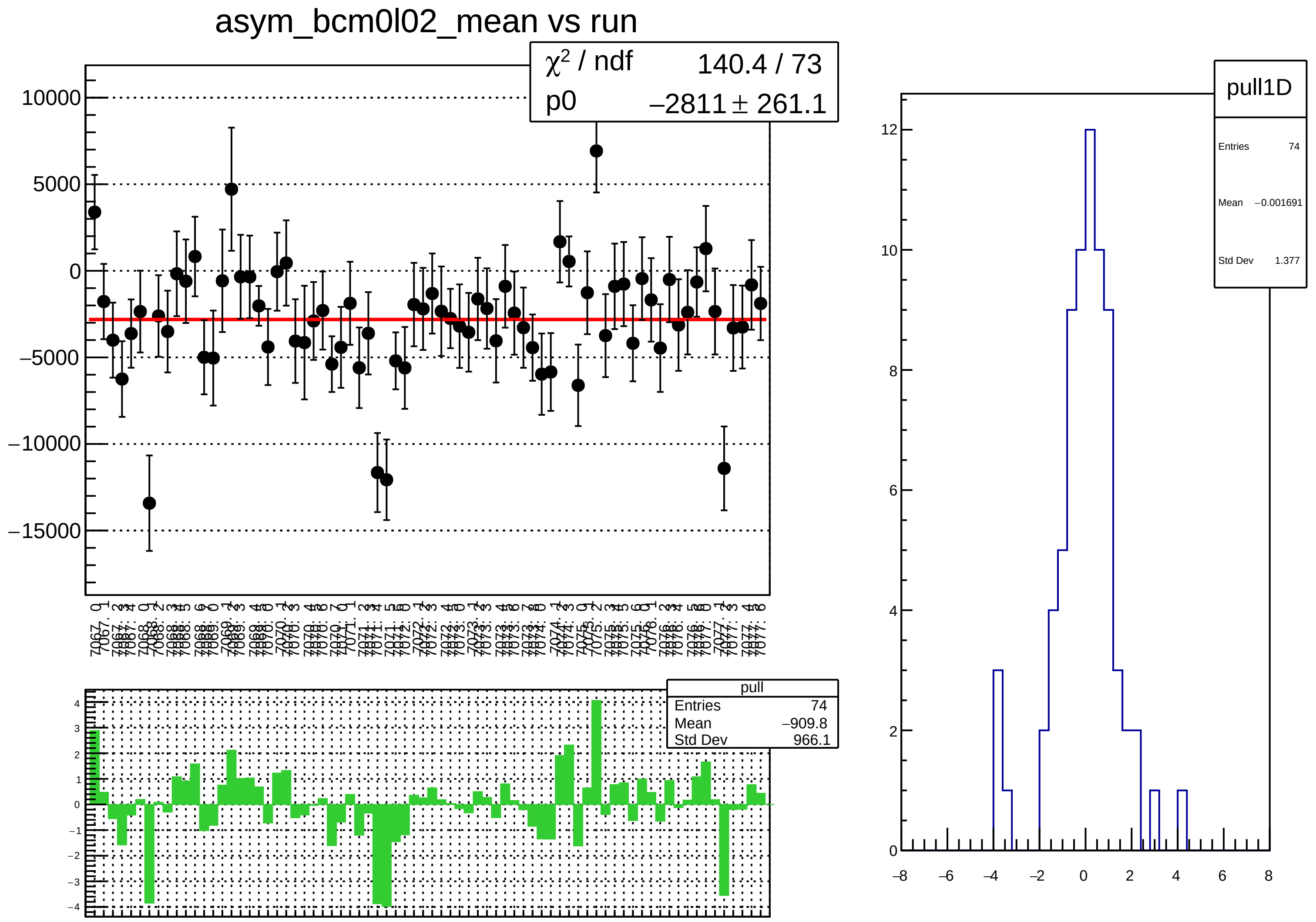


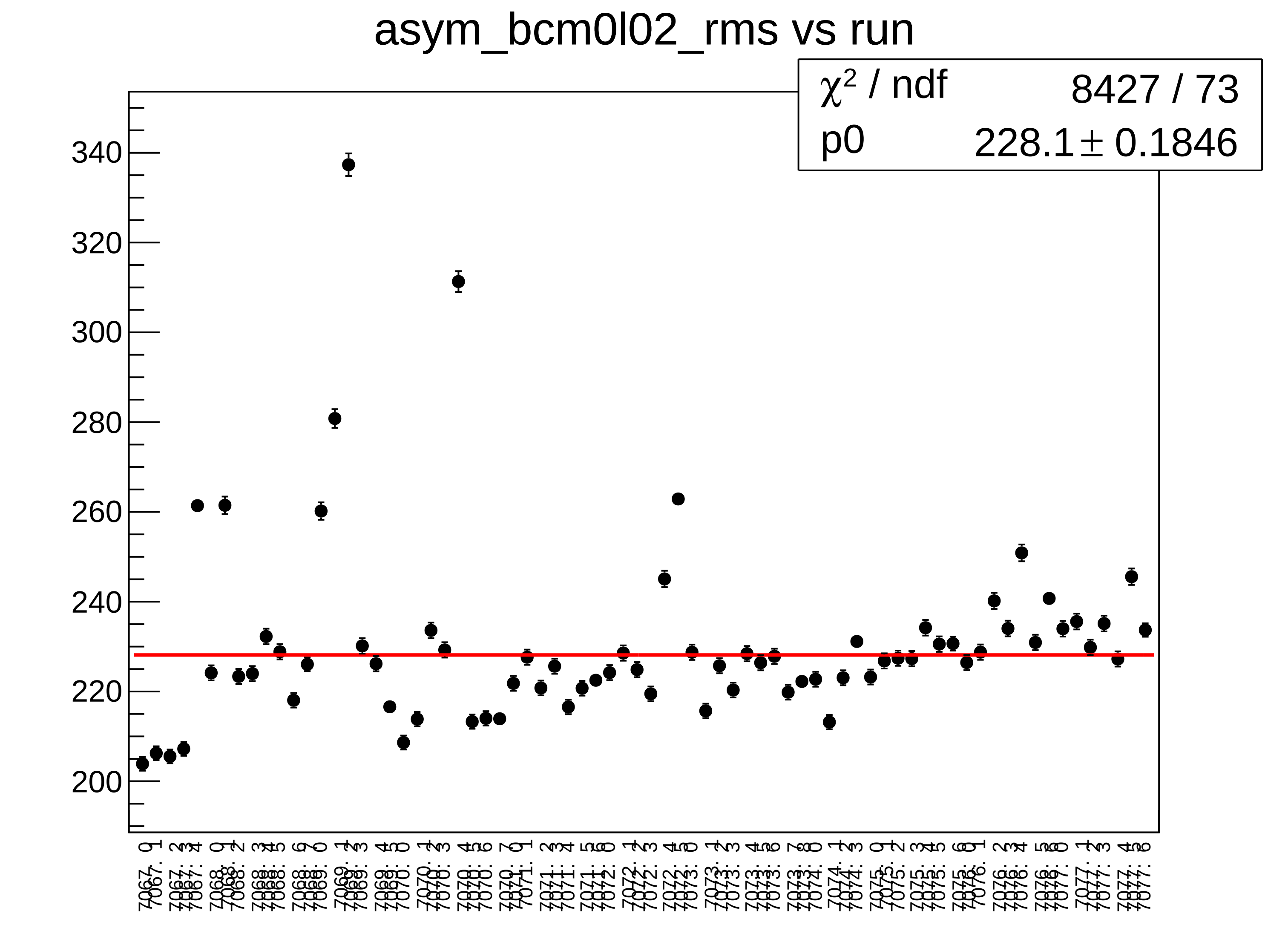
asym_cav4cQ_rms vs run
χ^2 / ndf 1.126e+04 / 73
p0 190.1 ± 0.154

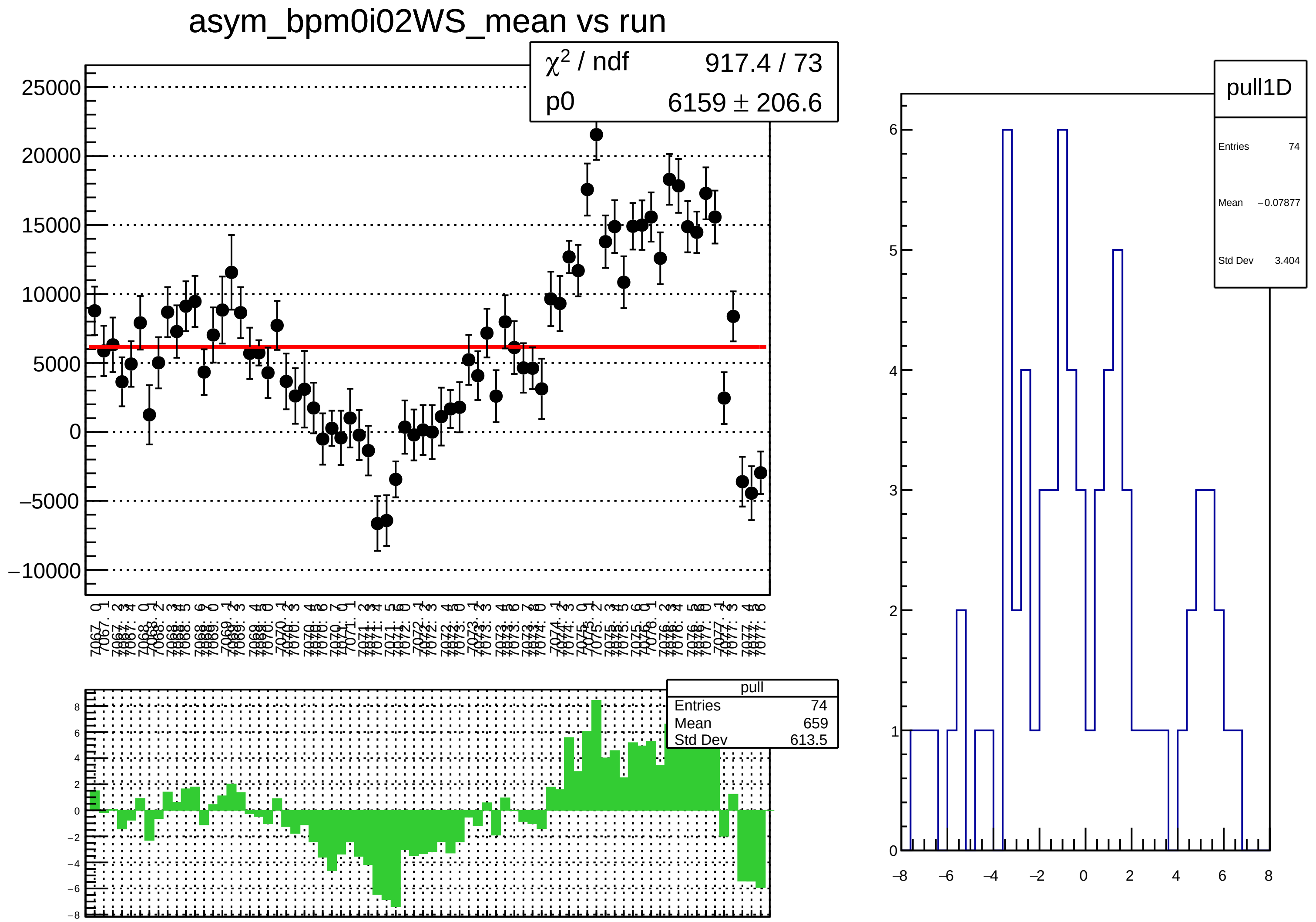

asym_cav4dQ_mean vs run
χ2 / ndf 55.28 / 73
p0 96.64 ± 375.6
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 116.3
Std Dev 101.7
pull1D
Entries 74
Mean 0.009756
Std Dev 0.8642



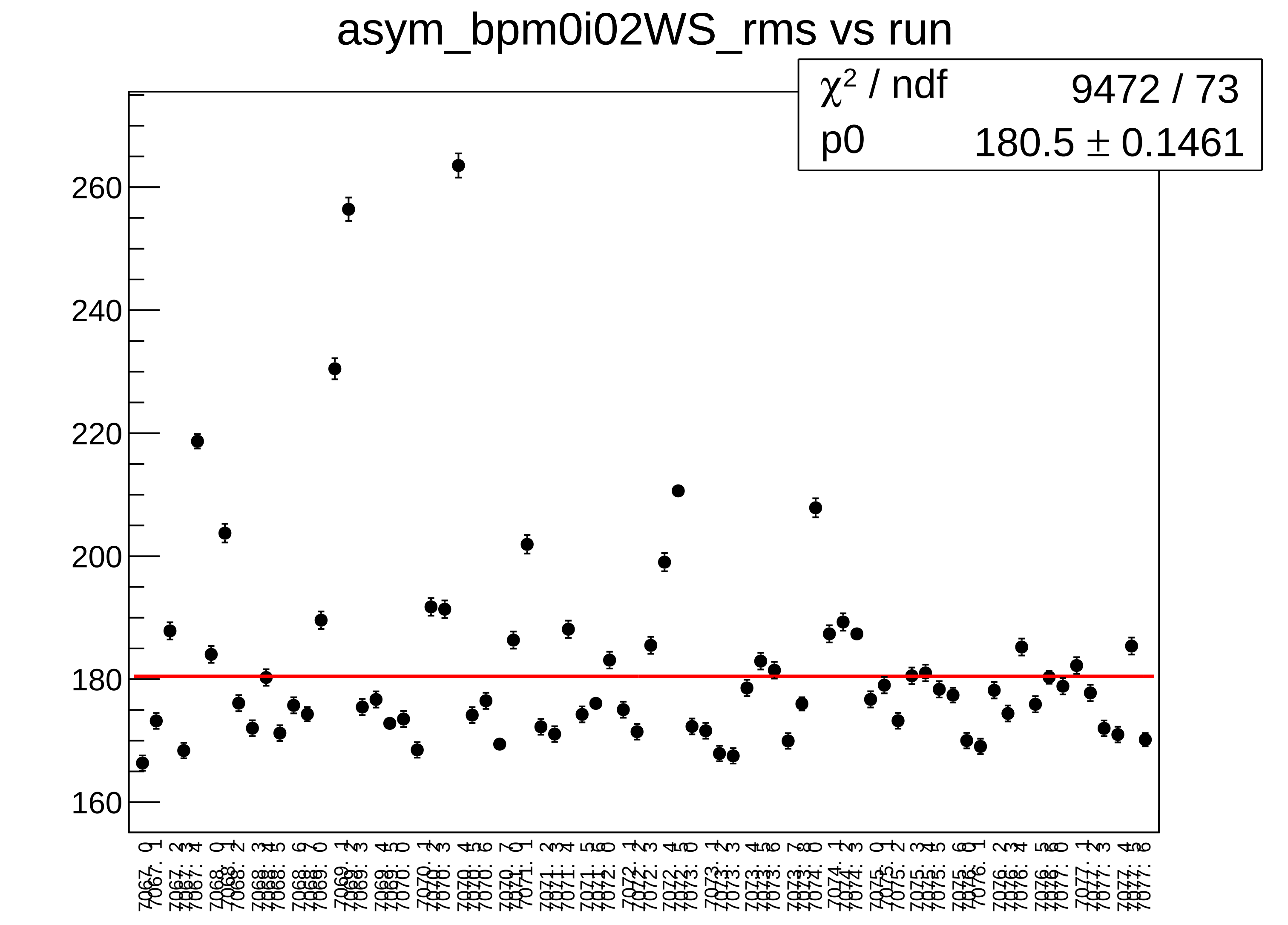
asym_cav4dQ_rms vs run
χ^2 / ndf 2100 / 73
p0 328.8 ± 0.2656
400
380
360
340
320
300

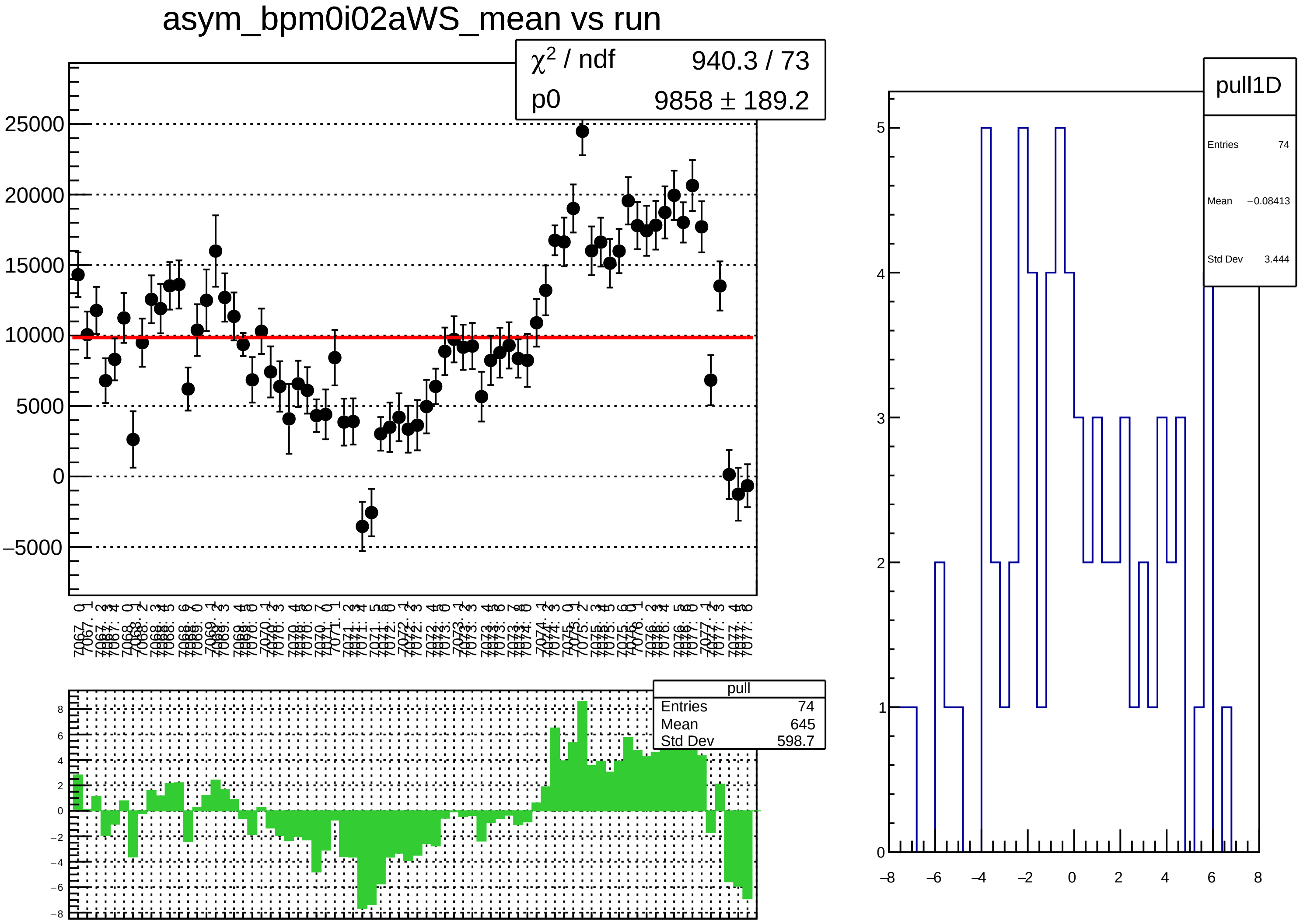

asym_bcm0l02_mean vs run
χ^2 / ndf 140.4 / 73
p0 −2811 ± 261.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −909.8
Std Dev 966.1
pull1D
Entries 74
Mean −0.001691
Std Dev 1.377
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8


asym_bcm0l02_rms vs run
χ^2 / ndf 8427 / 73
p0 228.1 ± 0.1846

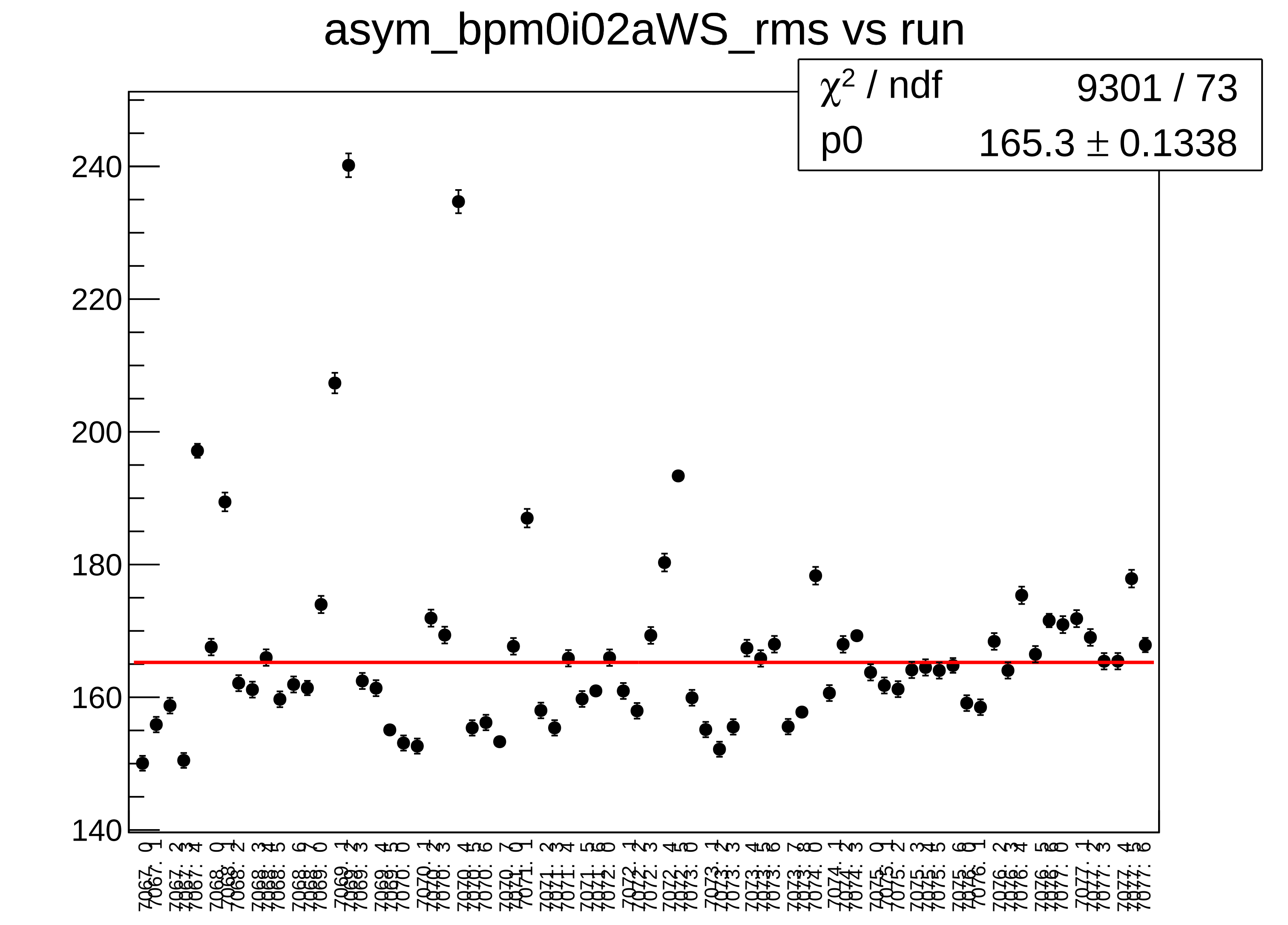


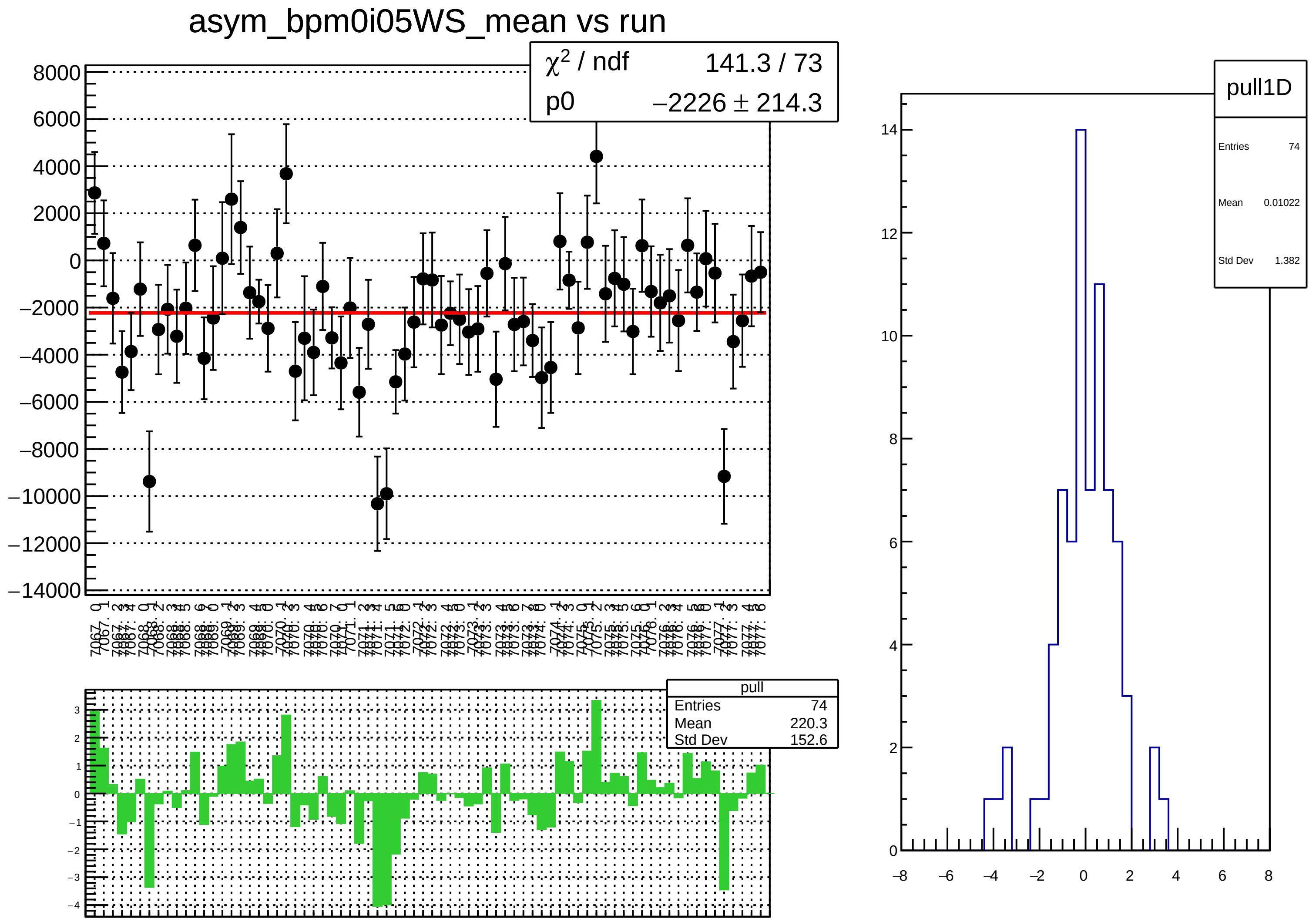
asym_bpm0i02WS_mean vs run
χ^2 / ndf 917.4 / 73
p0 6159 ± 206.6
pull
Entries 74
Mean 659
Std Dev 613.5
pull1D
Entries 74
Mean −0.07877
Std Dev 3.404


asym_bpm0i02WS_rms vs run
χ^2 / ndf 9472 / 73
p0 180.5 ± 0.1461
260
240
220
200
180
160

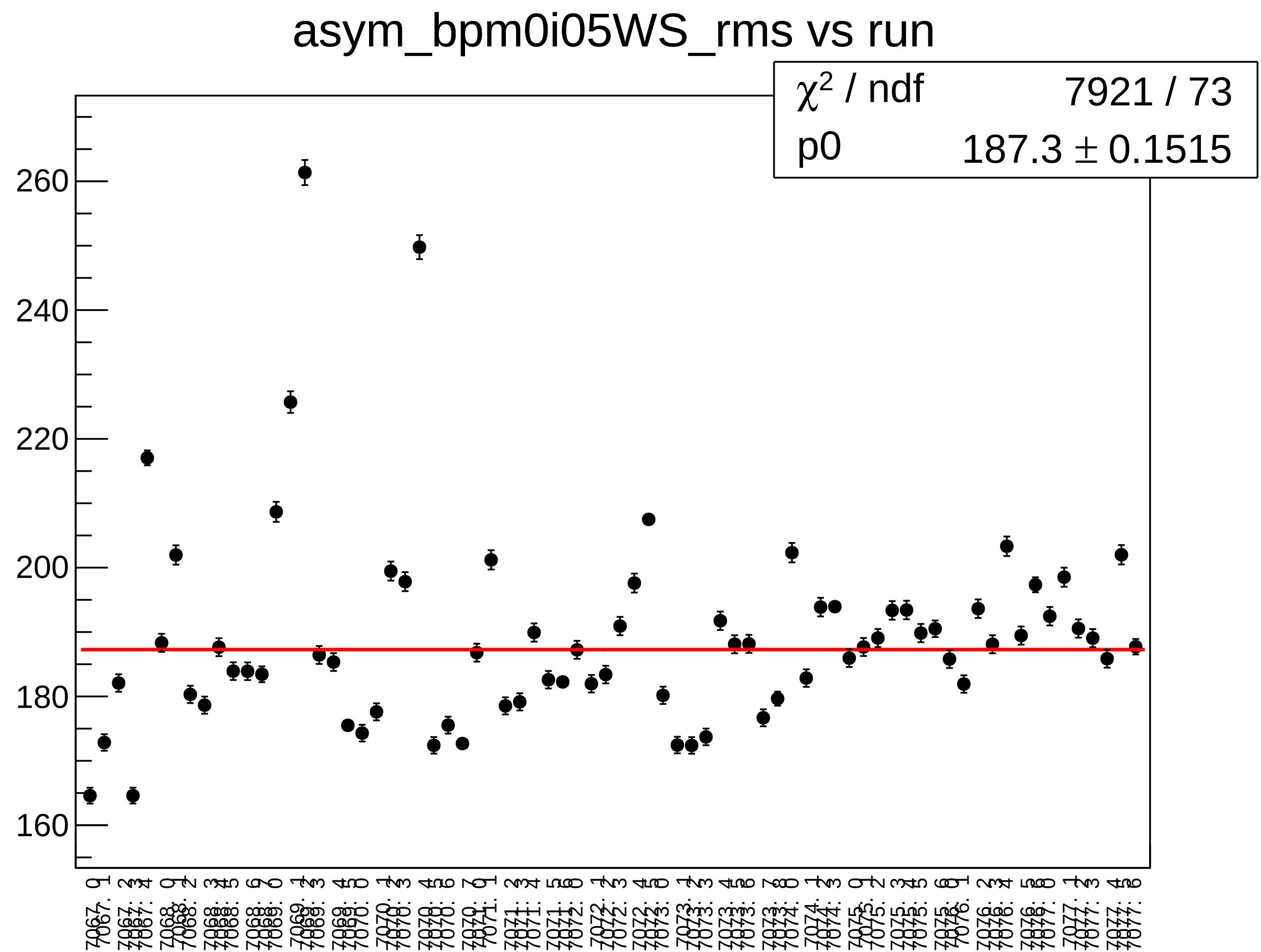


asym_bpm0i02aWS_mean vs run
χ^2 / ndf 940.3 / 73
p0 9858 ± 189.2
pull
Entries 74
Mean 645
Std Dev 598.7
pull1D
Entries 74
Mean −0.08413
Std Dev 3.444

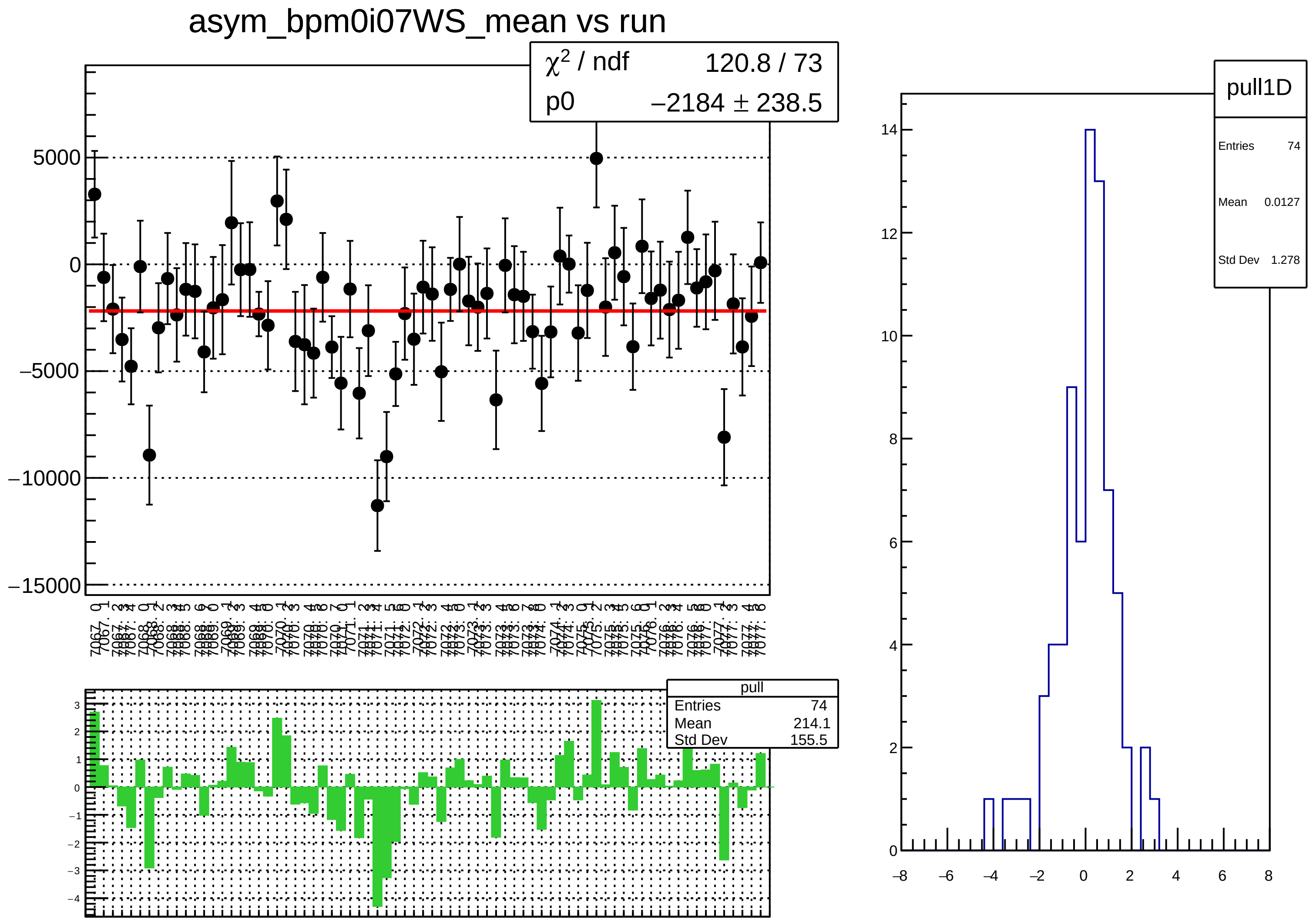

asym_bpm0i02aWS_rms vs run
χ^2 / ndf 9301 / 73
p0 165.3 ± 0.1338
240
220
200
180
160
140

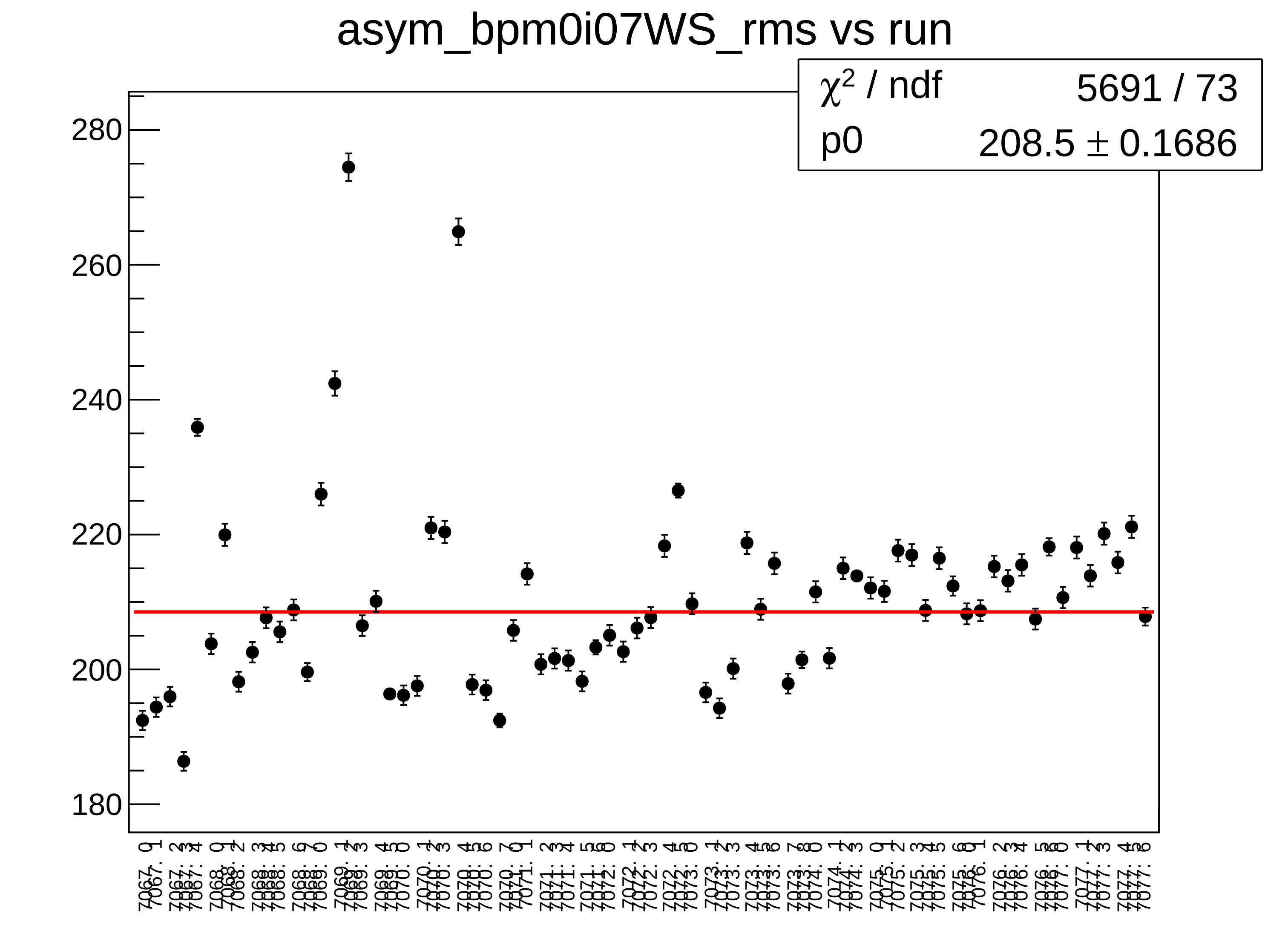


asym_bpm0i05WS_mean vs run
χ^2 / ndf 141.3 / 73
p0 −2226 ± 214.3
pull
Entries 74
Mean 220.3
Std Dev 152.6
pull1D
Entries 74
Mean 0.01022
Std Dev 1.382

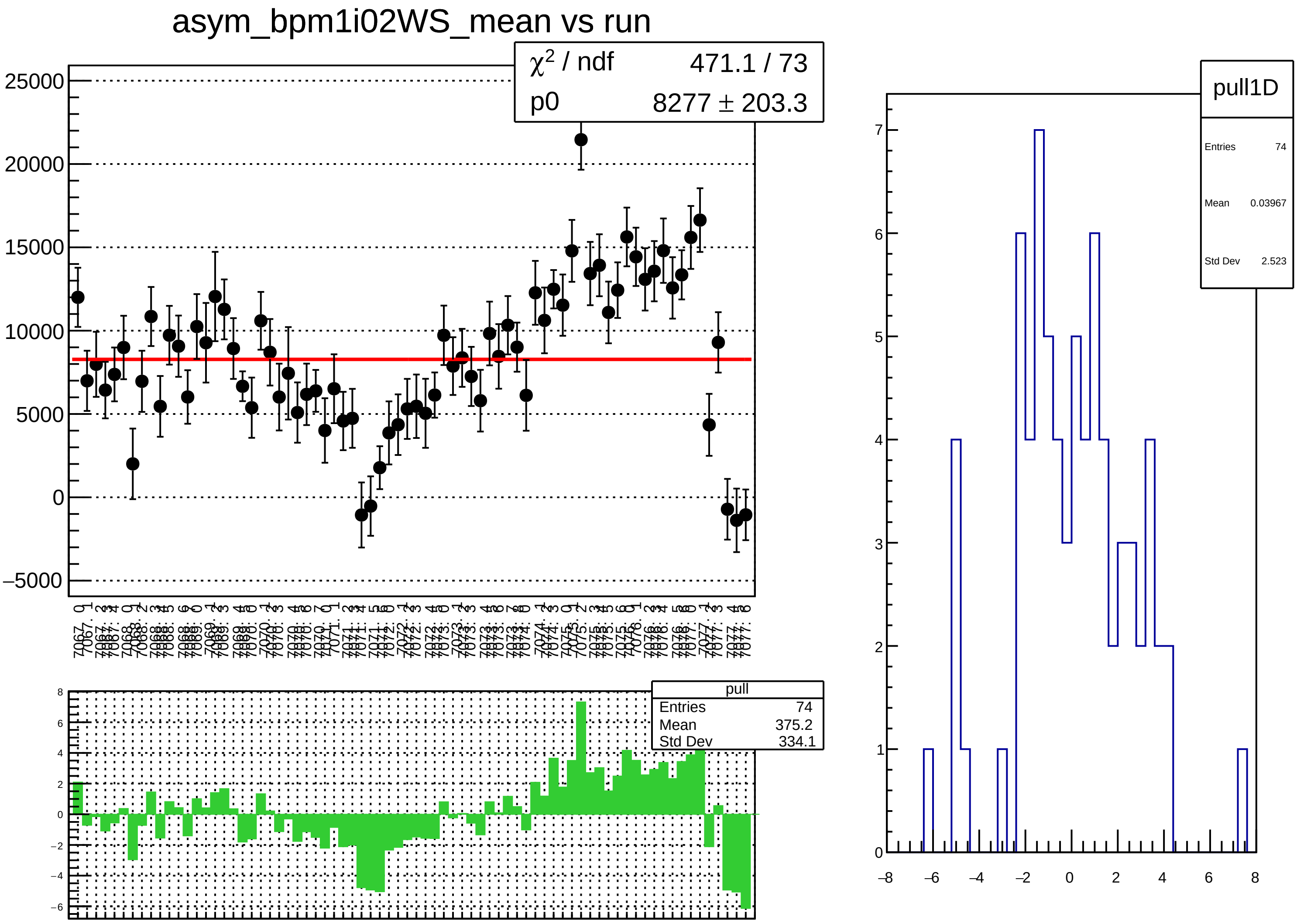


asym_bpm0i05WS_rms vs run
χ^2 / ndf 7921 / 73
p0 187.3 ± 0.1515
260
240
220
200
180
160

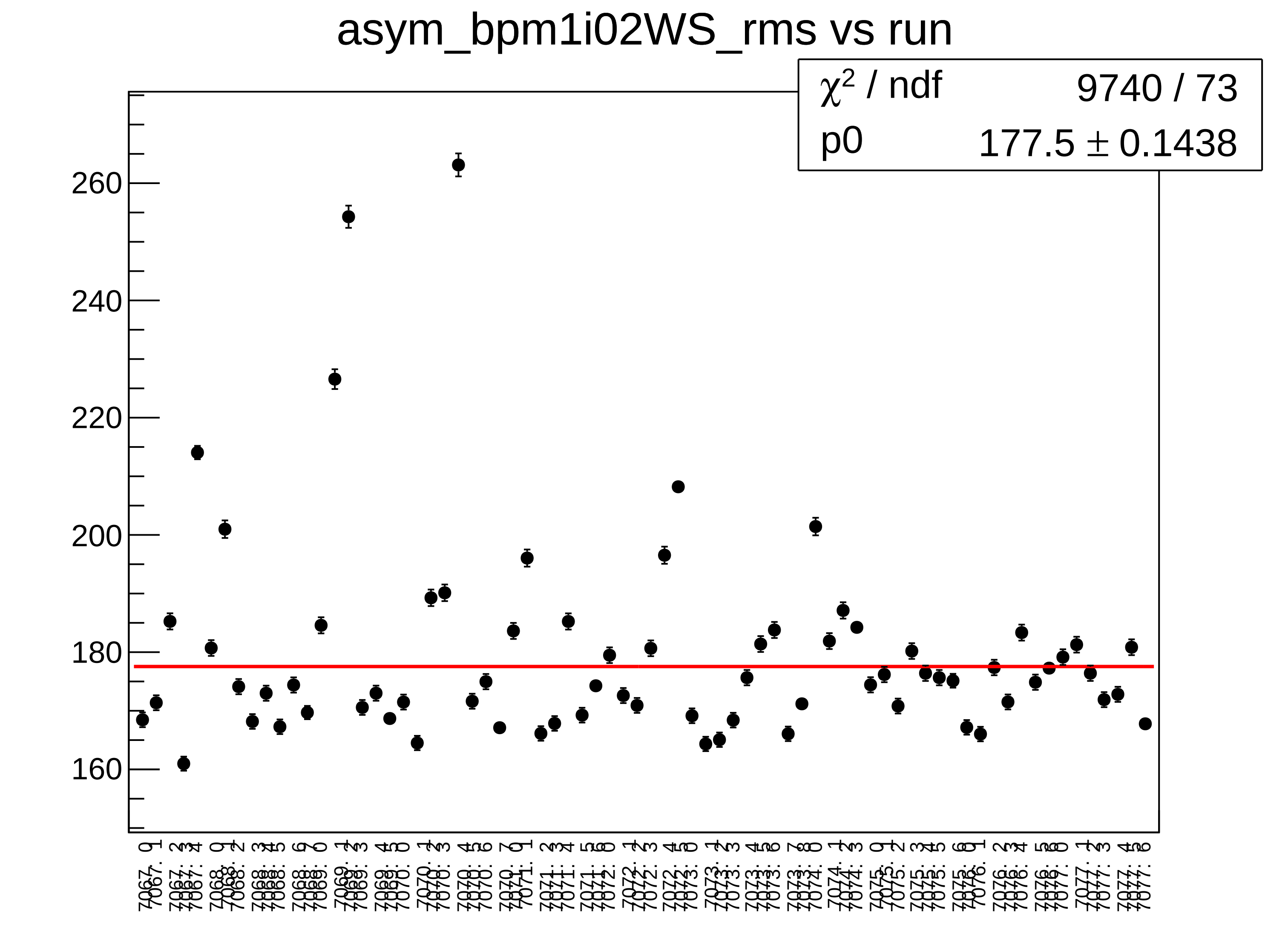

asym_bpm0i07WS_mean vs run
χ^2 / ndf 120.8 / 73
p0 −2184 ± 238.5
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean 214.1
Std Dev 155.5
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 74
Mean 0.0127
Std Dev 1.278
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

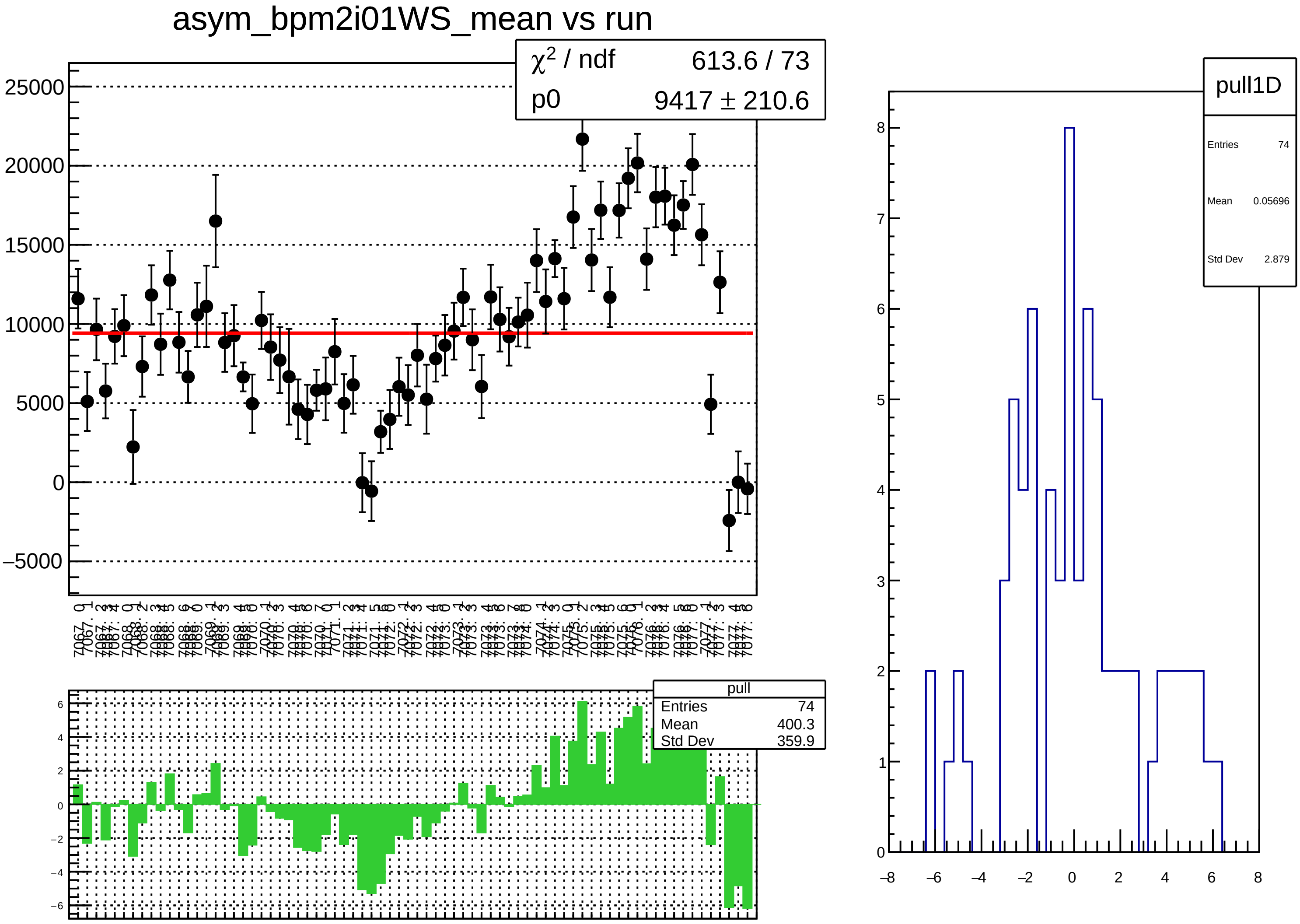


asym_bpm0i07WS_rms vs run
χ^2 / ndf 5691 / 73
p0 208.5 ± 0.1686
280
260
240
220
200
180

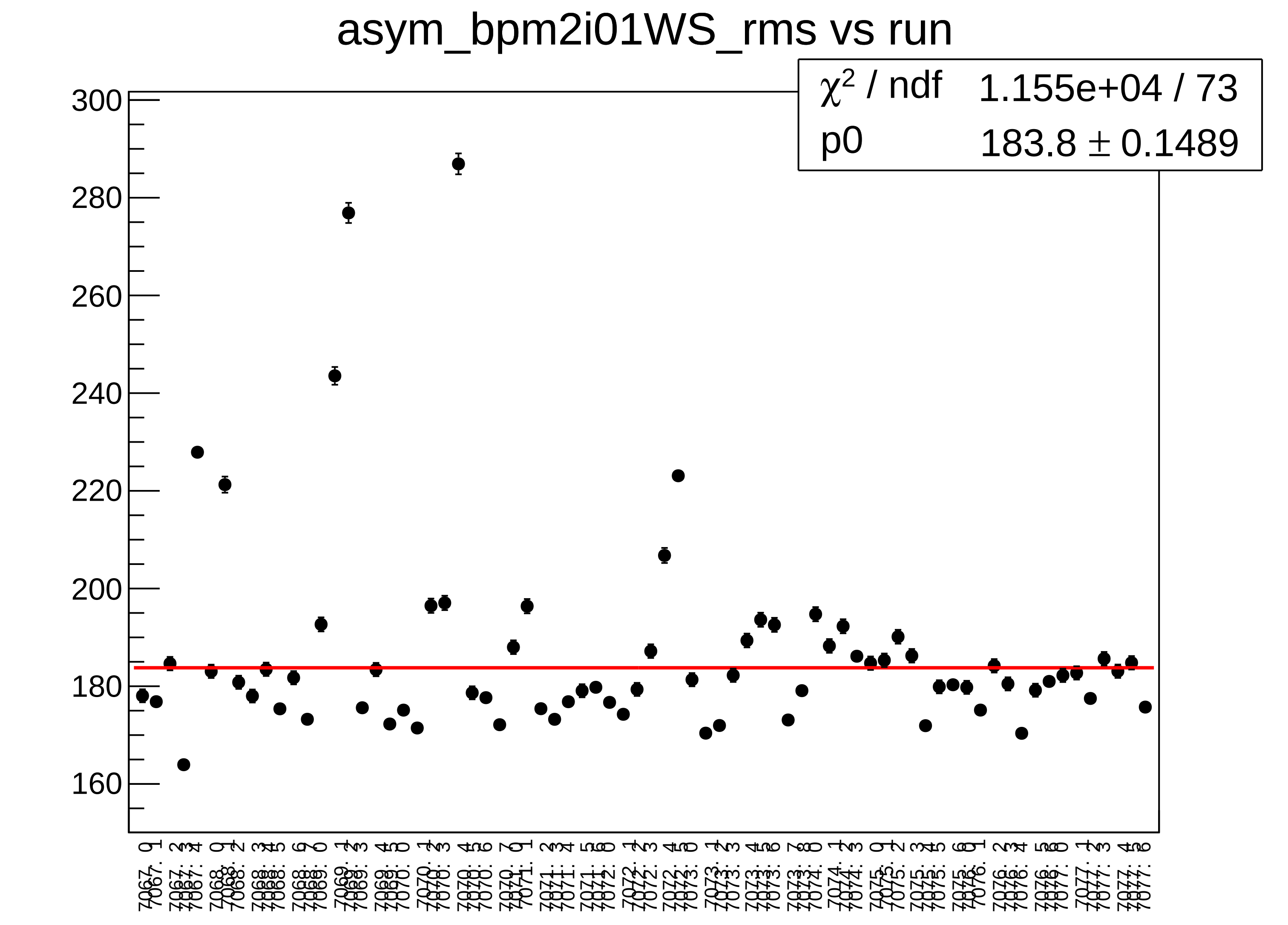


asym_bpm1i02WS_mean vs run
χ^2 / ndf 471.1 / 73
p0 8277 ± 203.3
pull
Entries 74
Mean 375.2
Std Dev 334.1
pull1D
Entries 74
Mean 0.03967
Std Dev 2.523

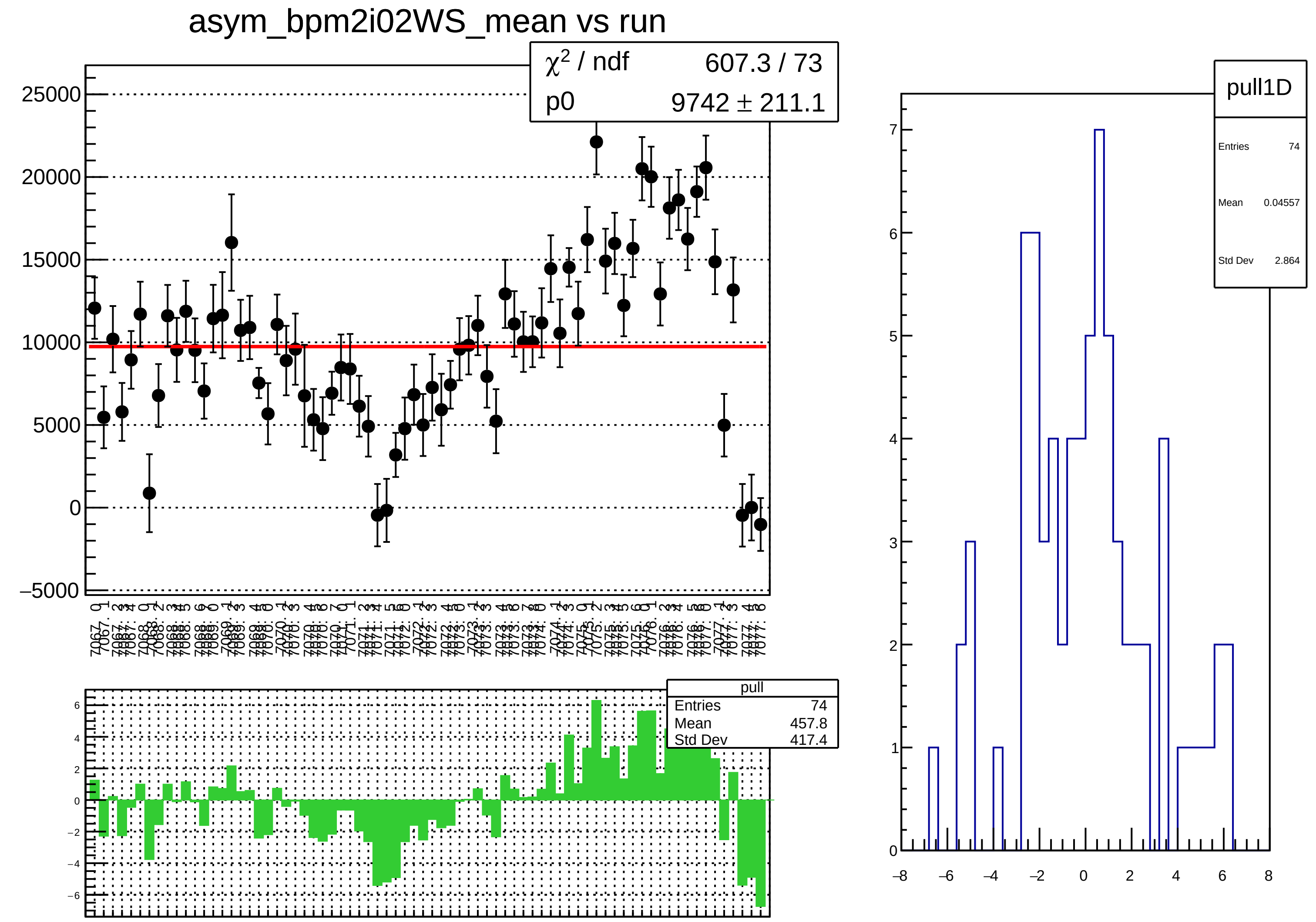

asym_bpm1i02WS_rms vs run
χ2 / ndf 9740 / 73
p0 177.5 ± 0.1438
260
240
220
200
180
160

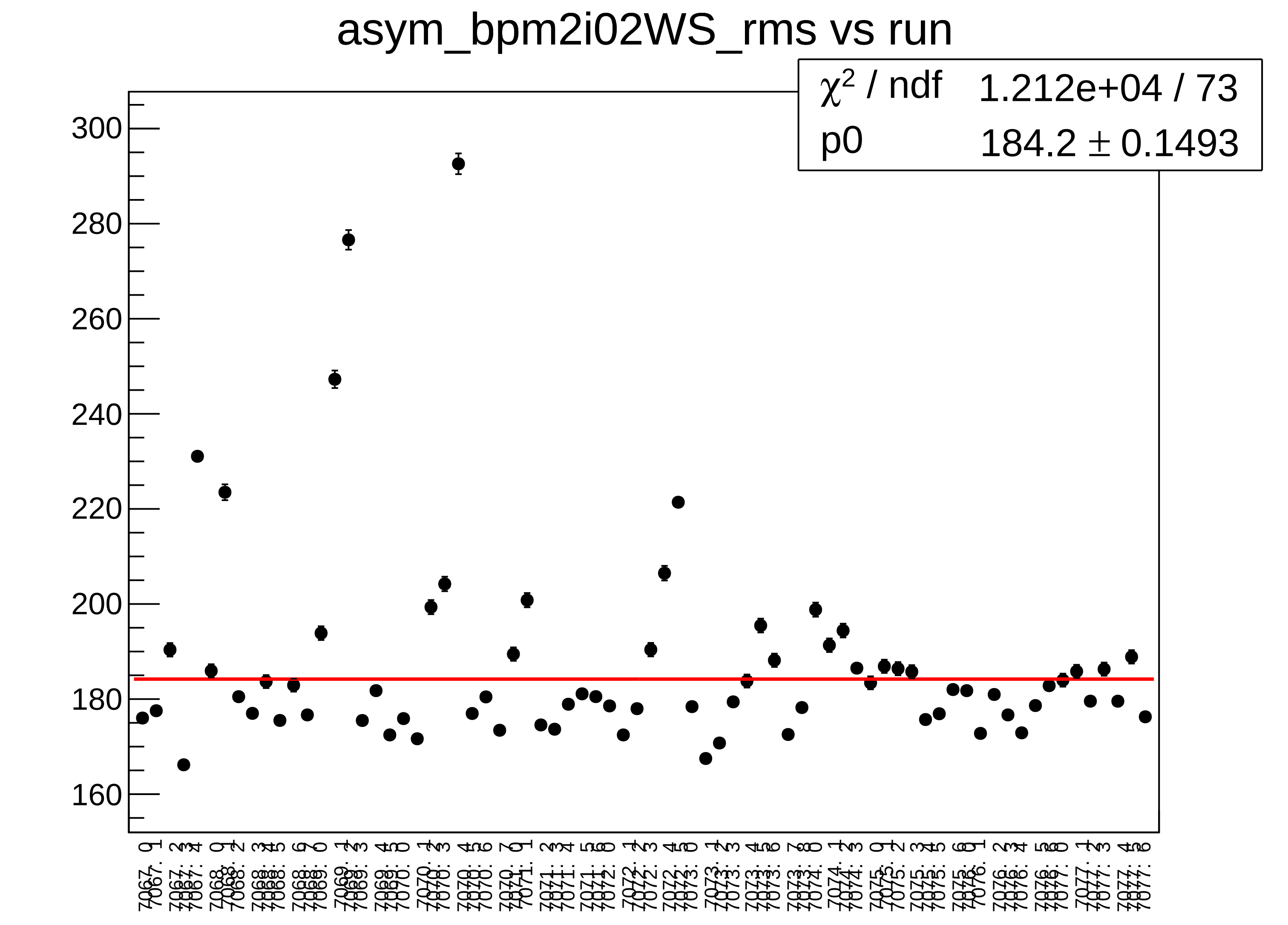


asym_bpm2i01WS_mean vs run
χ^2 / ndf 613.6 / 73
p0 9417 ± 210.6
pull
Entries 74
Mean 400.3
Std Dev 359.9
pull1D
Entries 74
Mean 0.05696
Std Dev 2.879

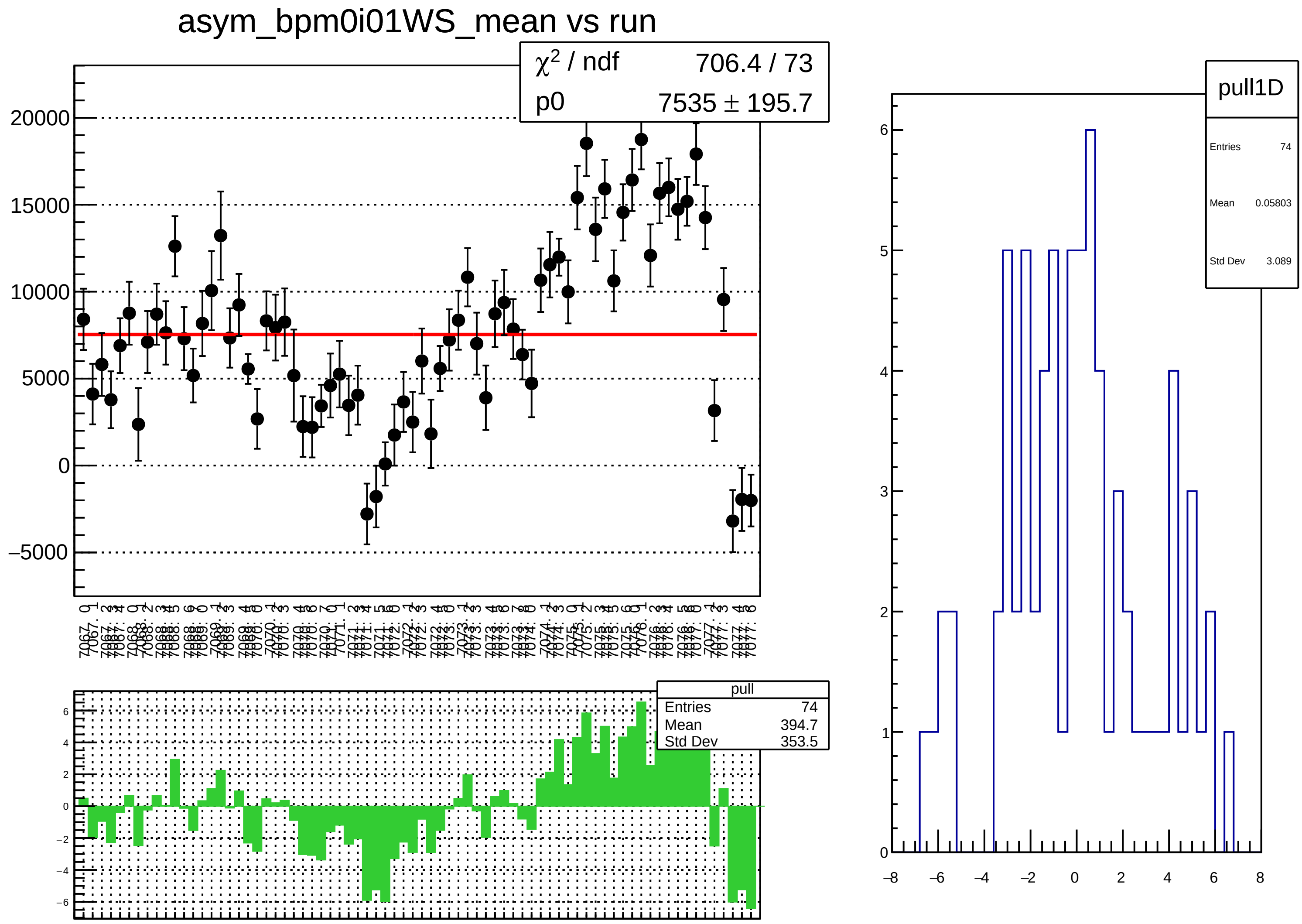


asym_bpm2i01WS_rms vs run
χ2 / ndf 1.155e+04 / 73
p0 183.8 ± 0.1489
300
280
260
240
220
200
180
160

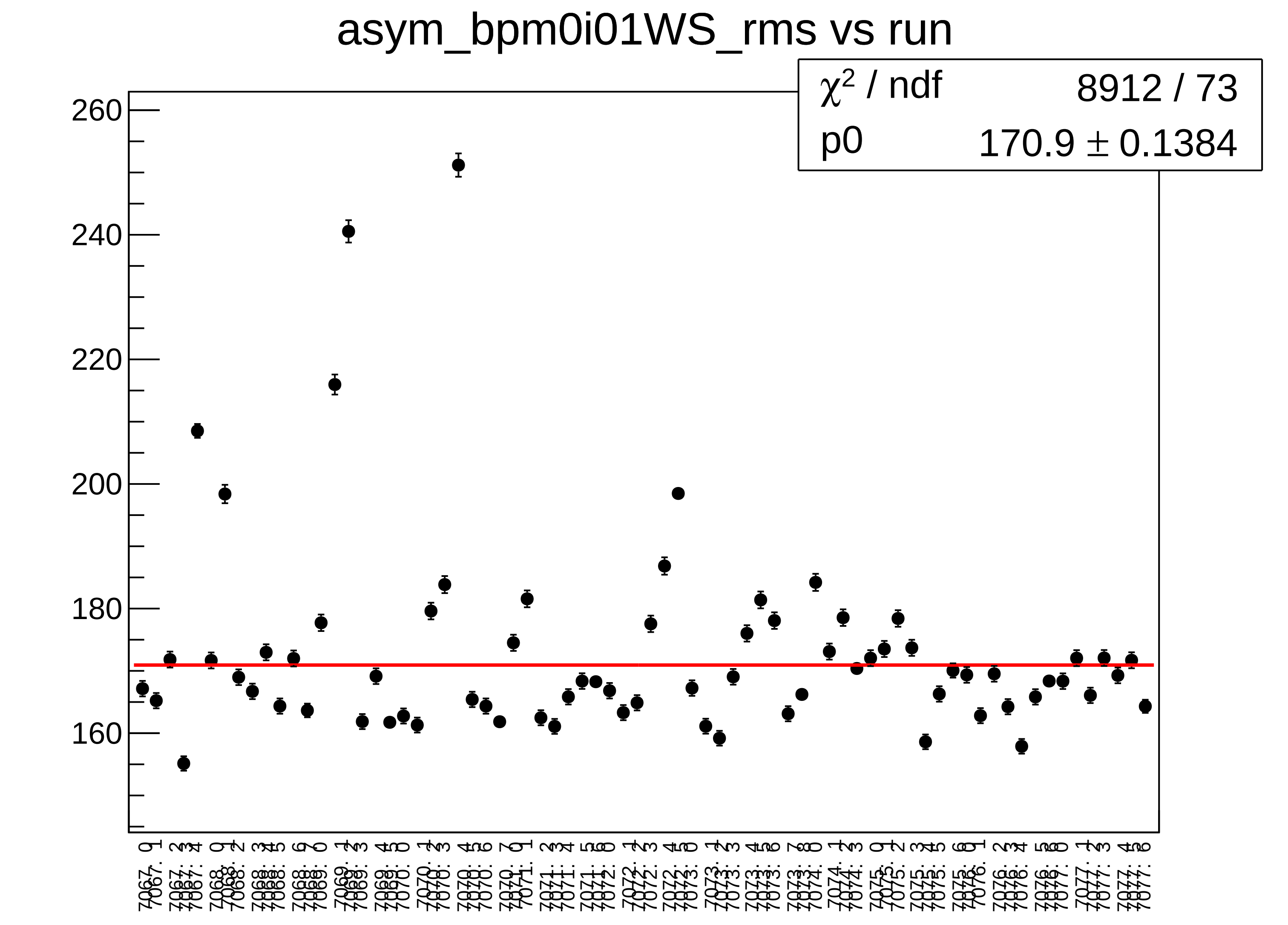

asym_bpm2i02WS_mean vs run
χ2 / ndf 607.3 / 73
p0 9742 ± 211.1
pull
Entries 74
Mean 457.8
Std Dev 417.4
pull1D
Entries 74
Mean 0.04557
Std Dev 2.864



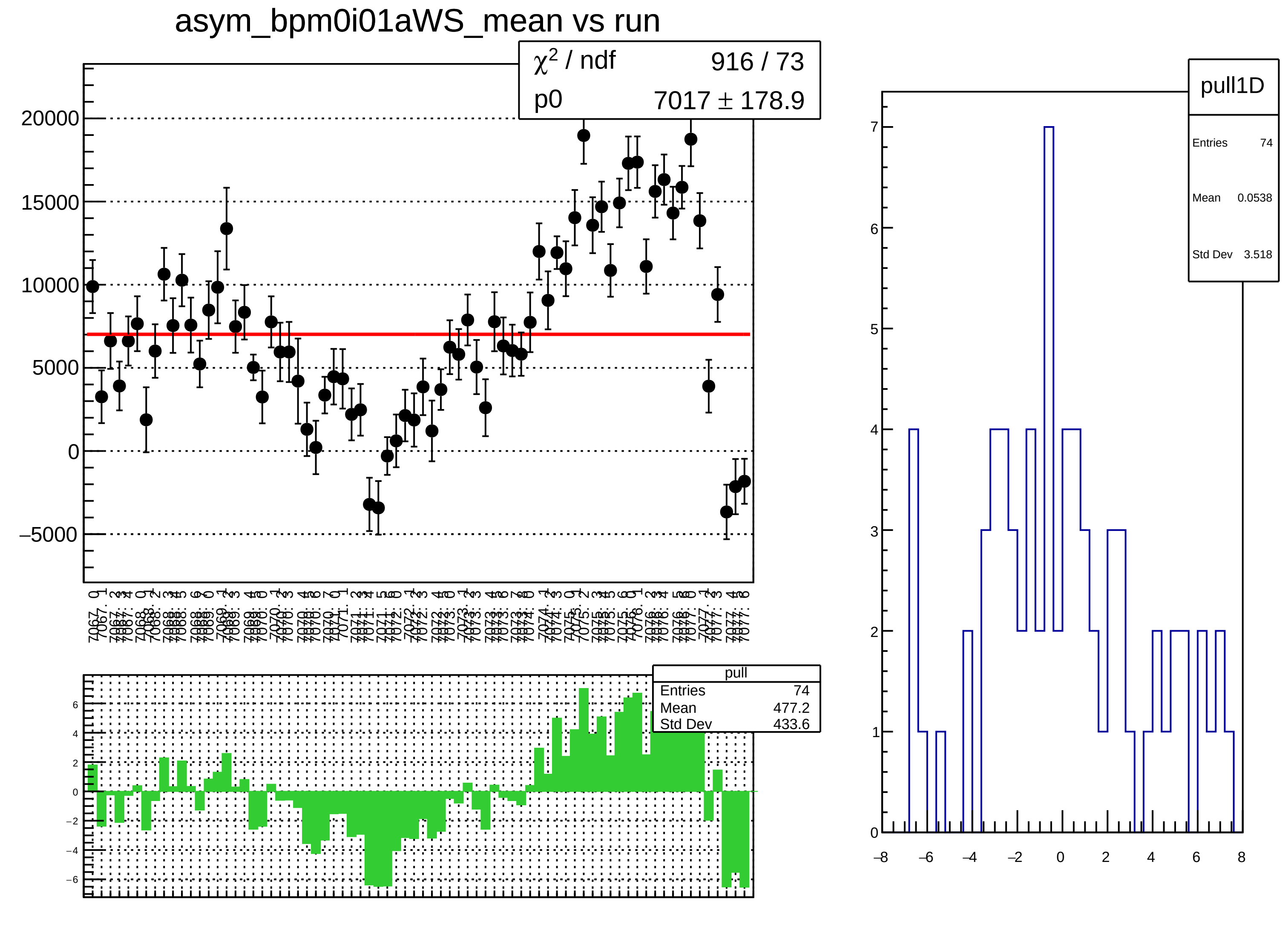
asym_bpm2i02WS_rms vs run
χ^2 / ndf 1.212e+04 / 73
p0 184.2 ± 0.1493
300
280
260
240
220
200
180
160



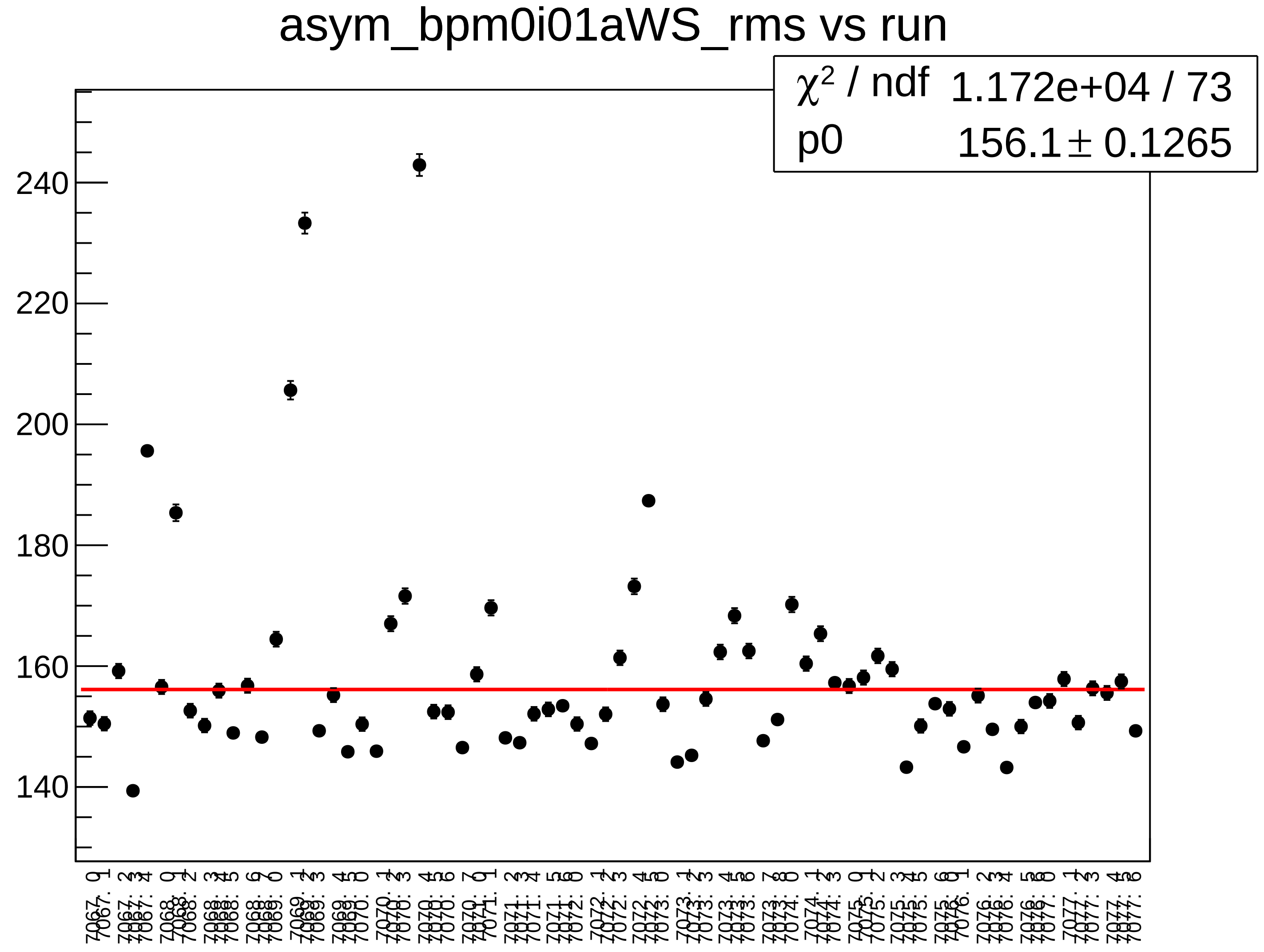
asym_bpm0i01WS_mean vs run
χ^2 / ndf 706.4 / 73
p0 7535 ± 195.7
pull
Entries 74
Mean 394.7
Std Dev 353.5
pull1D
Entries 74
Mean 0.05803
Std Dev 3.089

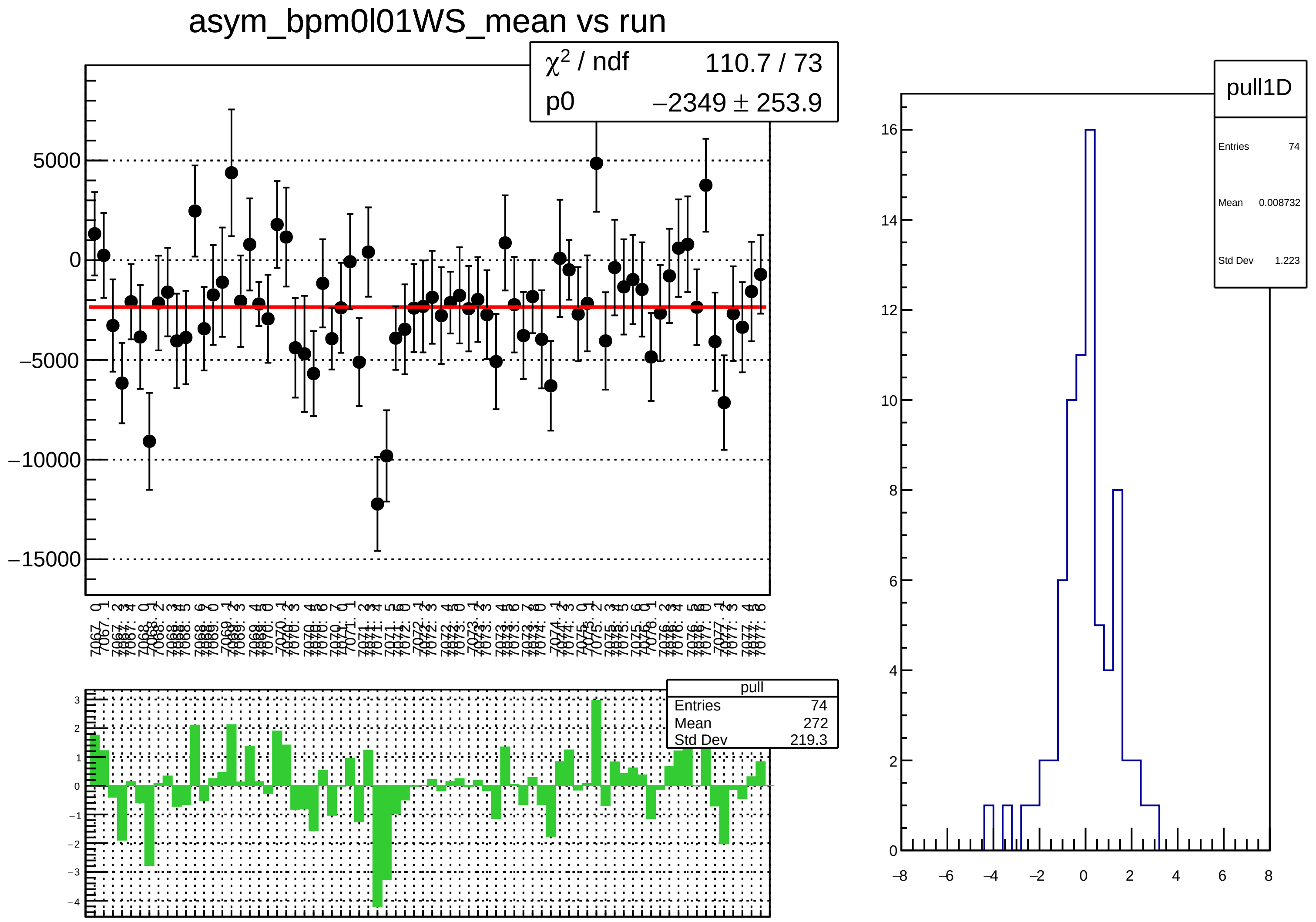


asym_bpm0i01WS_rms vs run
χ2 / ndf 8912 / 73
p0 170.9 ± 0.1384

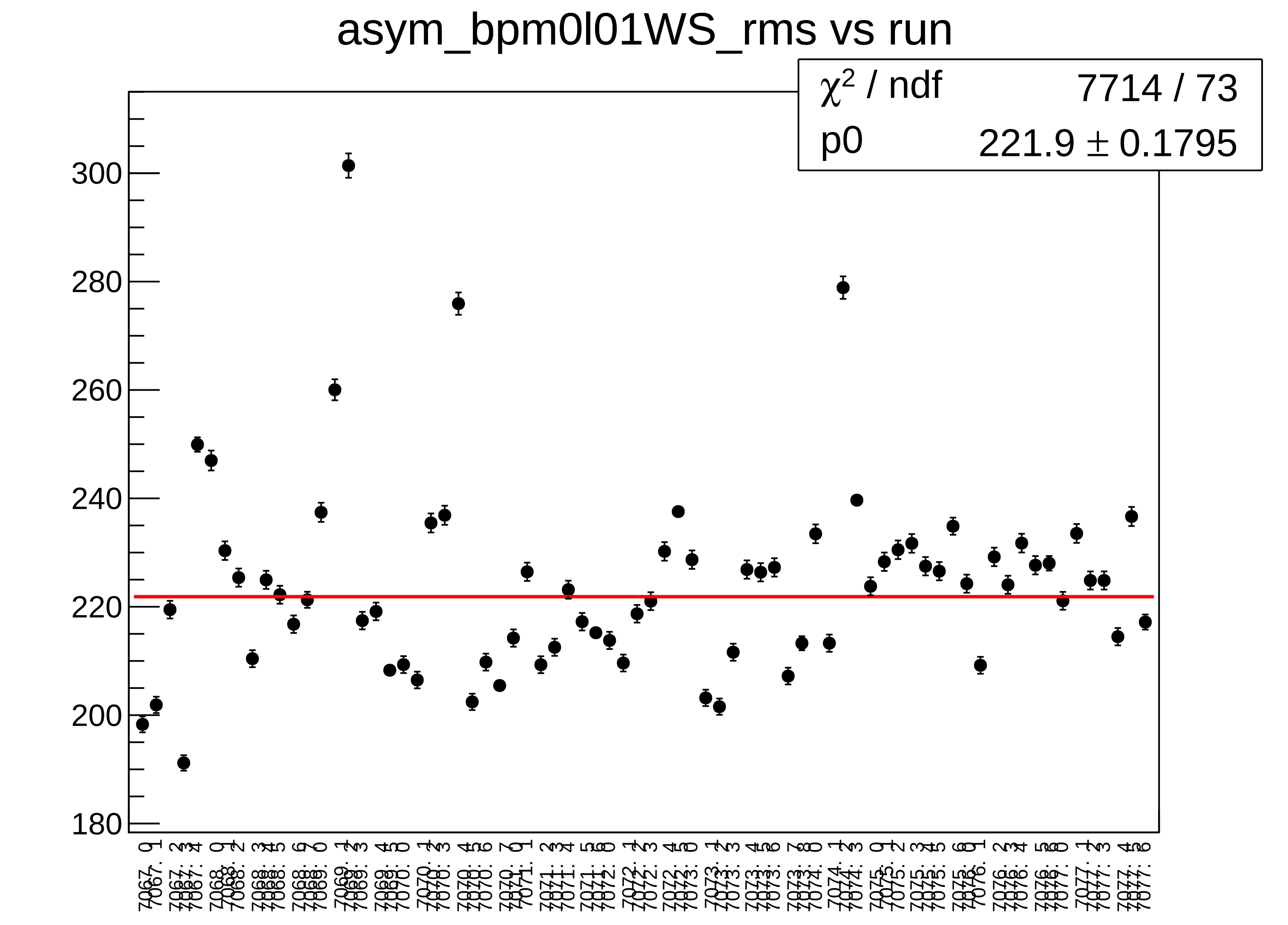


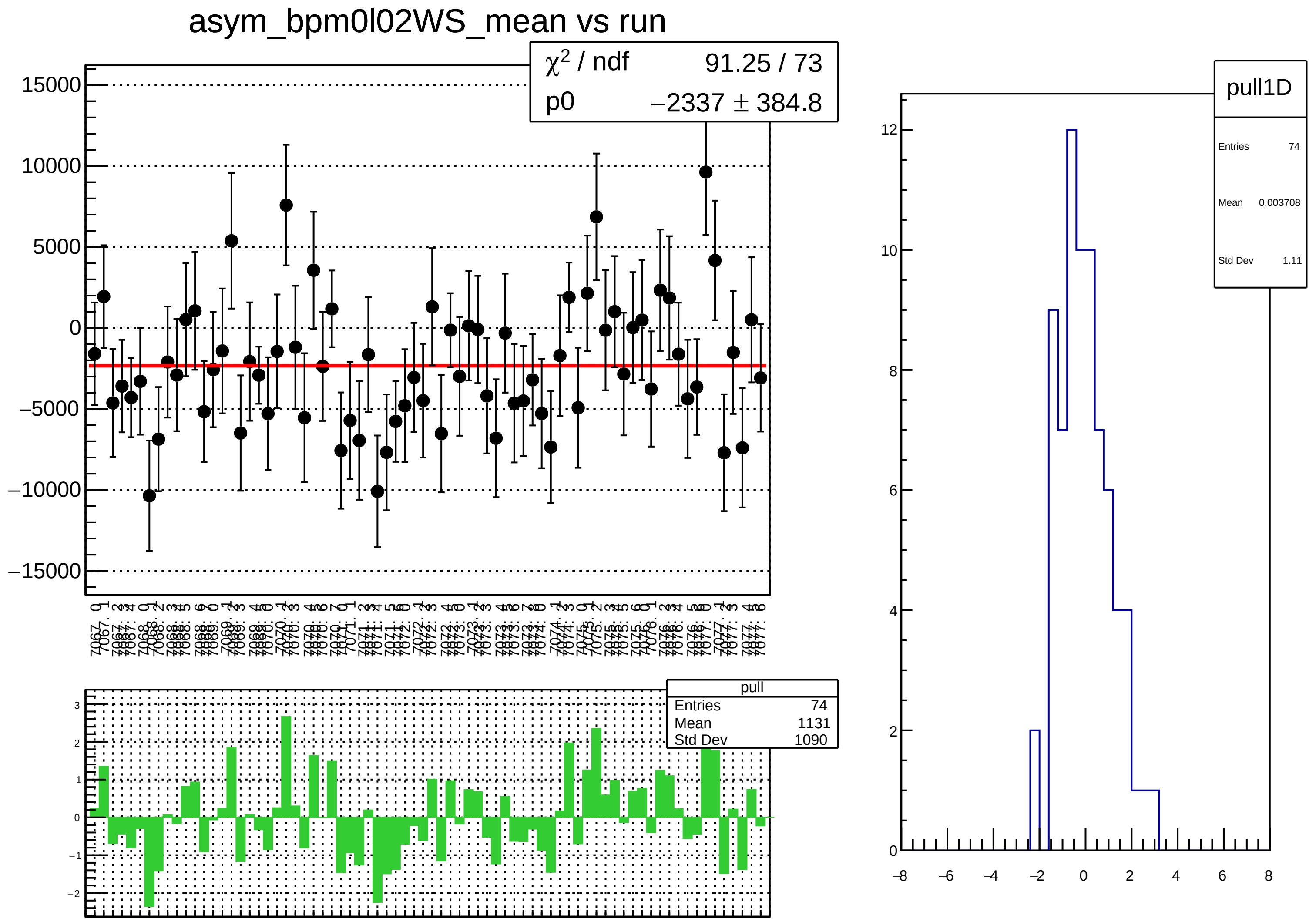
asym_bpm0i01aWS_mean vs run
χ^2 / ndf 916 / 73
p0 7017 ± 178.9
pull
Entries 74
Mean 477.2
Std Dev 433.6
pull1D
Entries 74
Mean 0.0538
Std Dev 3.518


asym_bpm0i01aWS_rms vs run
χ^2 / ndf 1.172e+04 / 73
p0 156.1 ± 0.1265
240
220
200
180
160
140

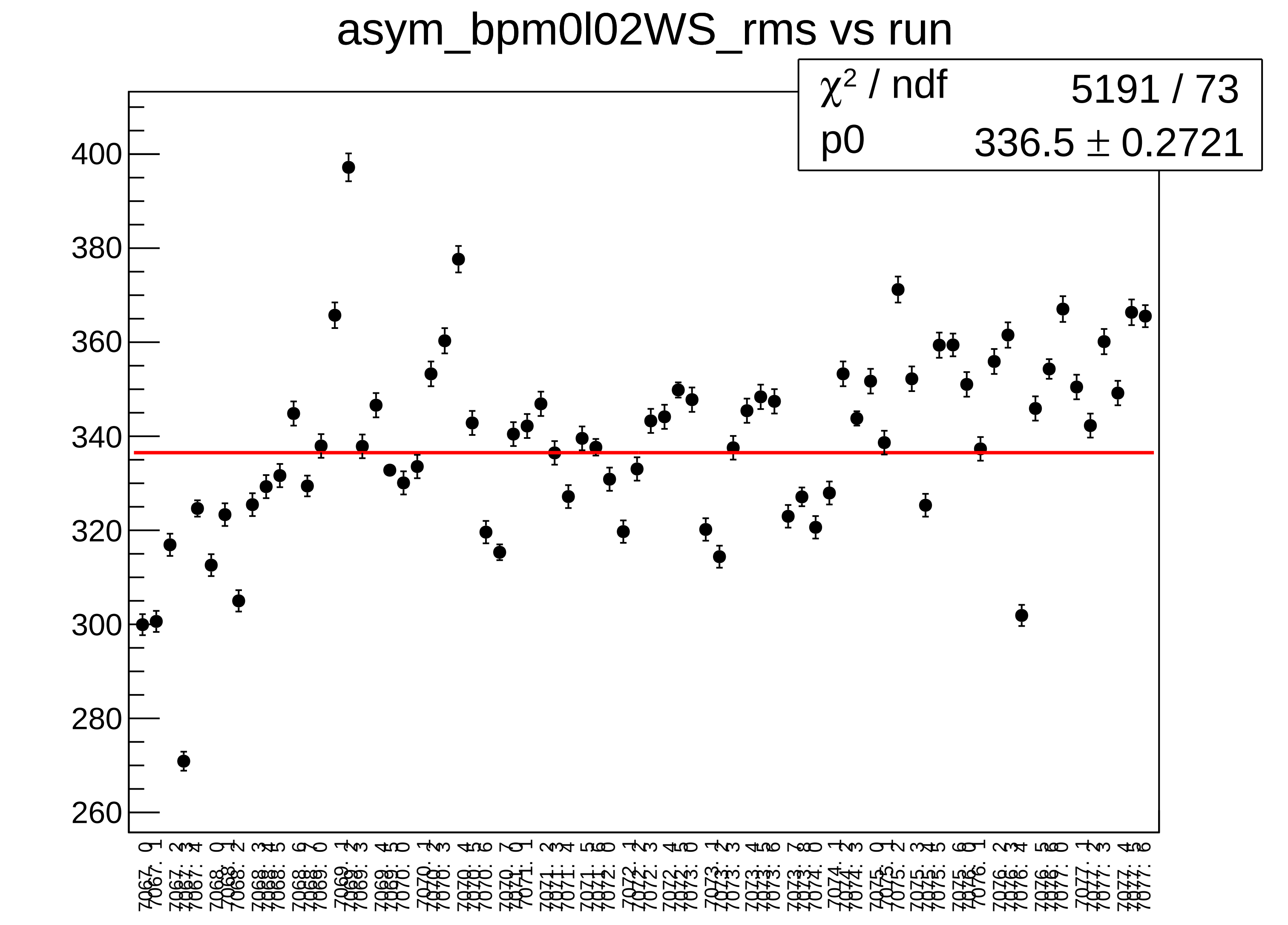


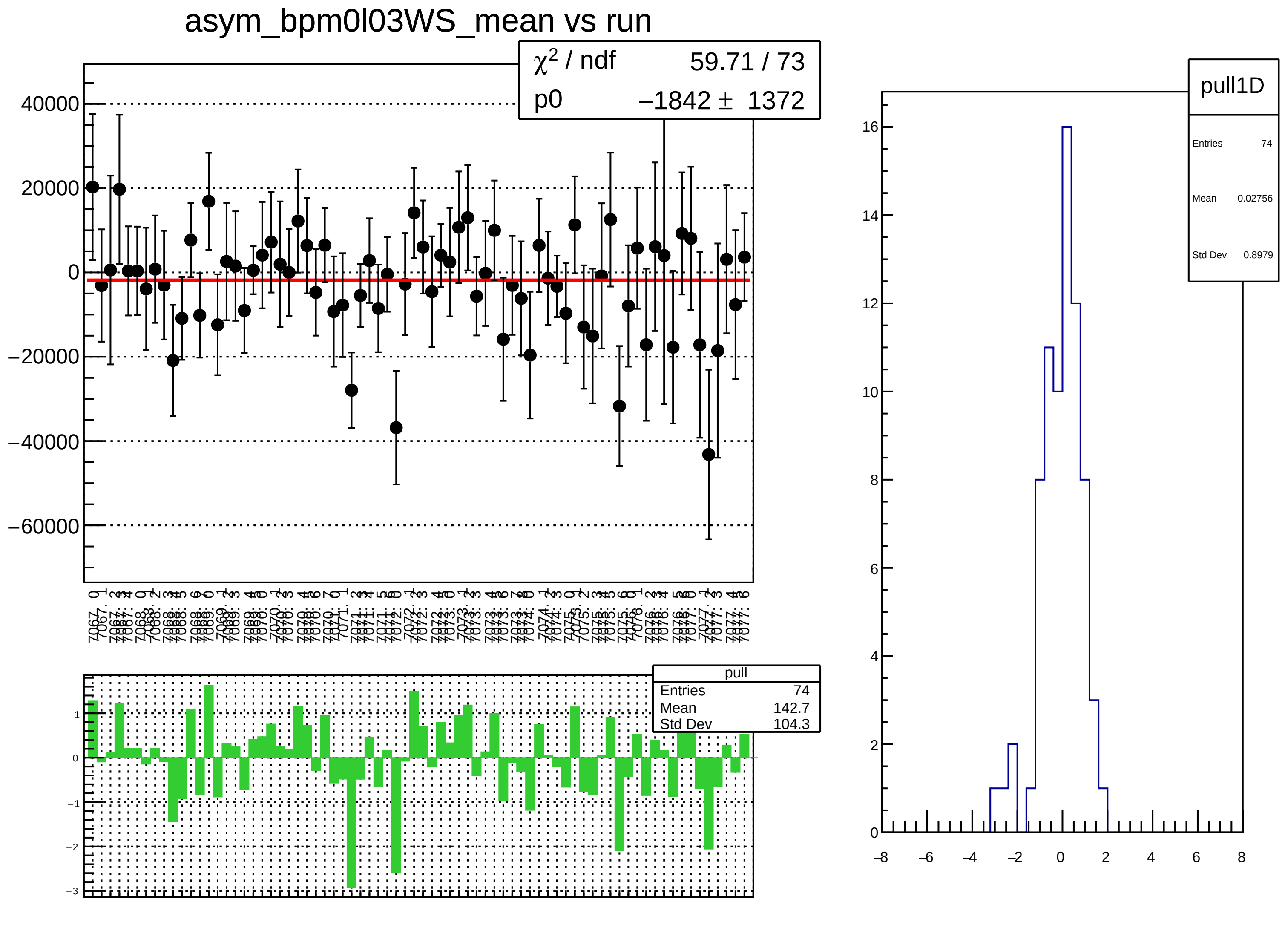
asym_bpm0l01WS_mean vs run
χ^2 / ndf 110.7 / 73
p0 −2349 ± 253.9
pull
Entries 74
Mean 272
Std Dev 219.3
pull1D
Entries 74
Mean 0.008732
Std Dev 1.223

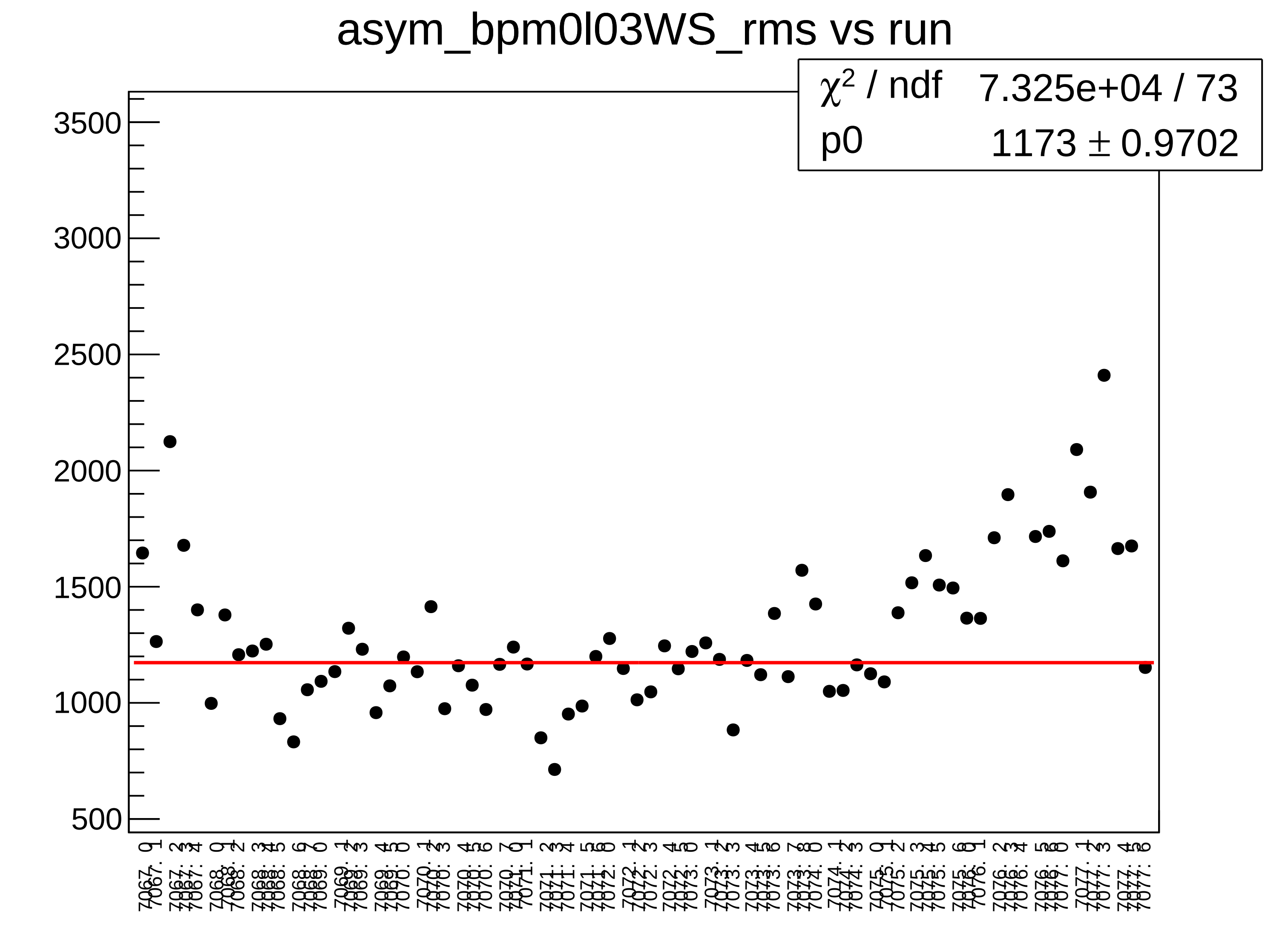

asym_bpm0l01WS_rms vs run
χ^2 / ndf 7714 / 73
p0 221.9 ± 0.1795
300
280
260
240
220
200
180

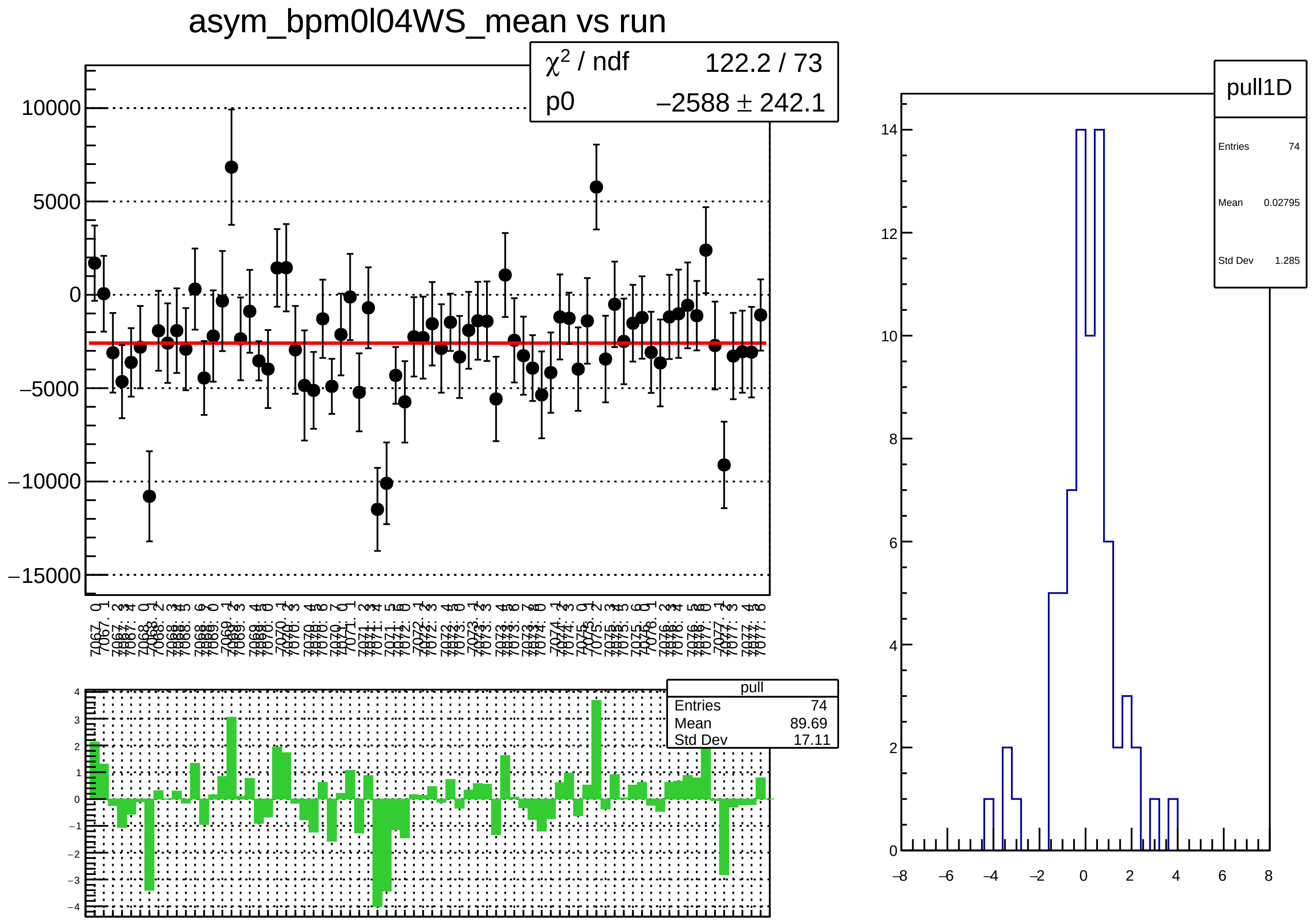


asym_bpm0l02WS_mean vs run
χ^2 / ndf 91.25 / 73
p0 −2337 ± 384.8
pull
Entries 74
Mean 1131
Std Dev 1090
pull1D
Entries 74
Mean 0.003708
Std Dev 1.11

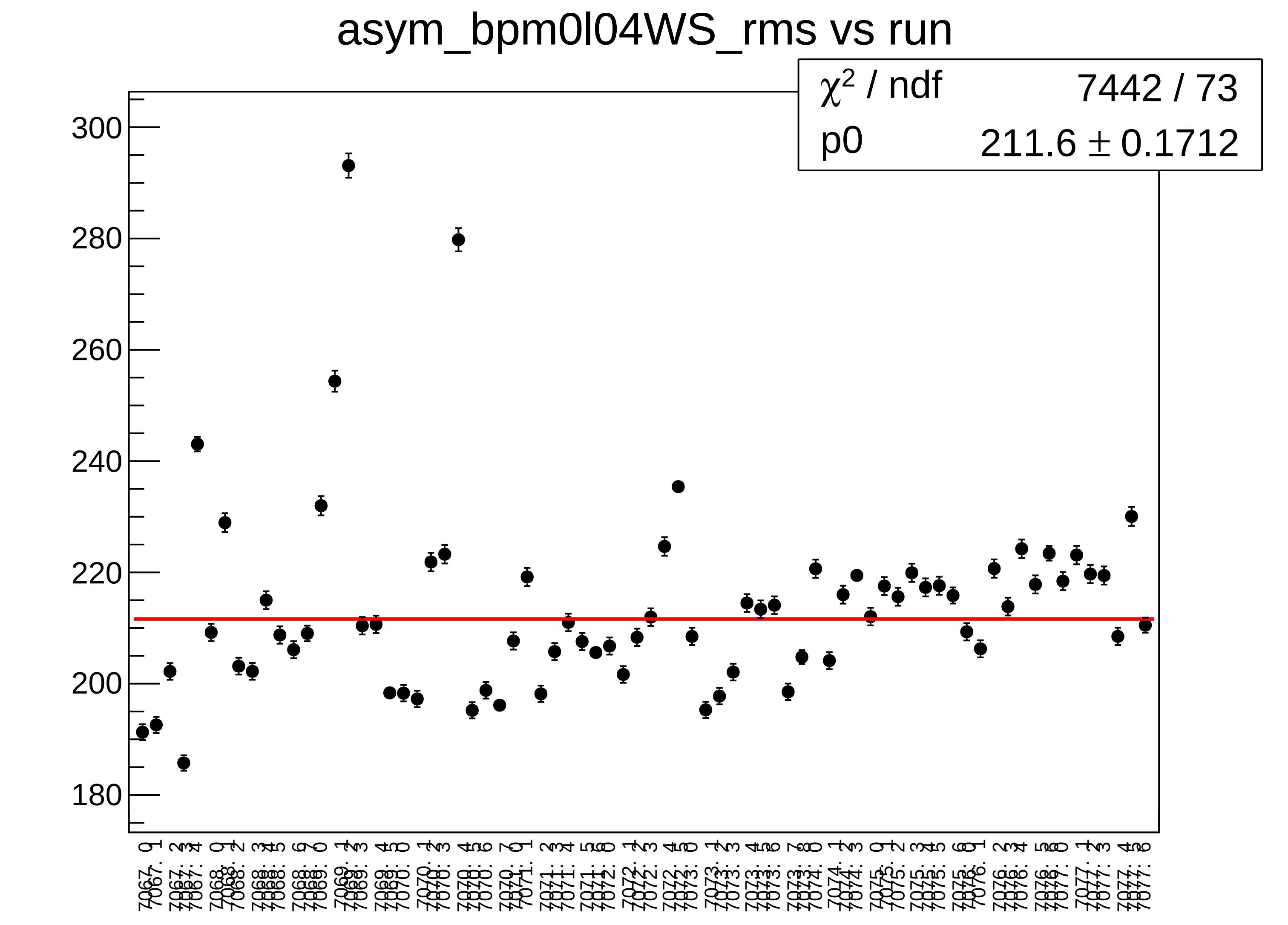

asym_bpm0l02WS_rms vs run
χ2 / ndf 5191 / 73
p0 336.5 ± 0.2721
400
380
360
340
320
300
280
260


asym_bpm0l03WS_mean vs run
χ^2 / ndf 59.71 / 73
p0 −1842 ± 1372
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 142.7
Std Dev 104.3
pull1D
Entries 74
Mean −0.02756
Std Dev 0.8979

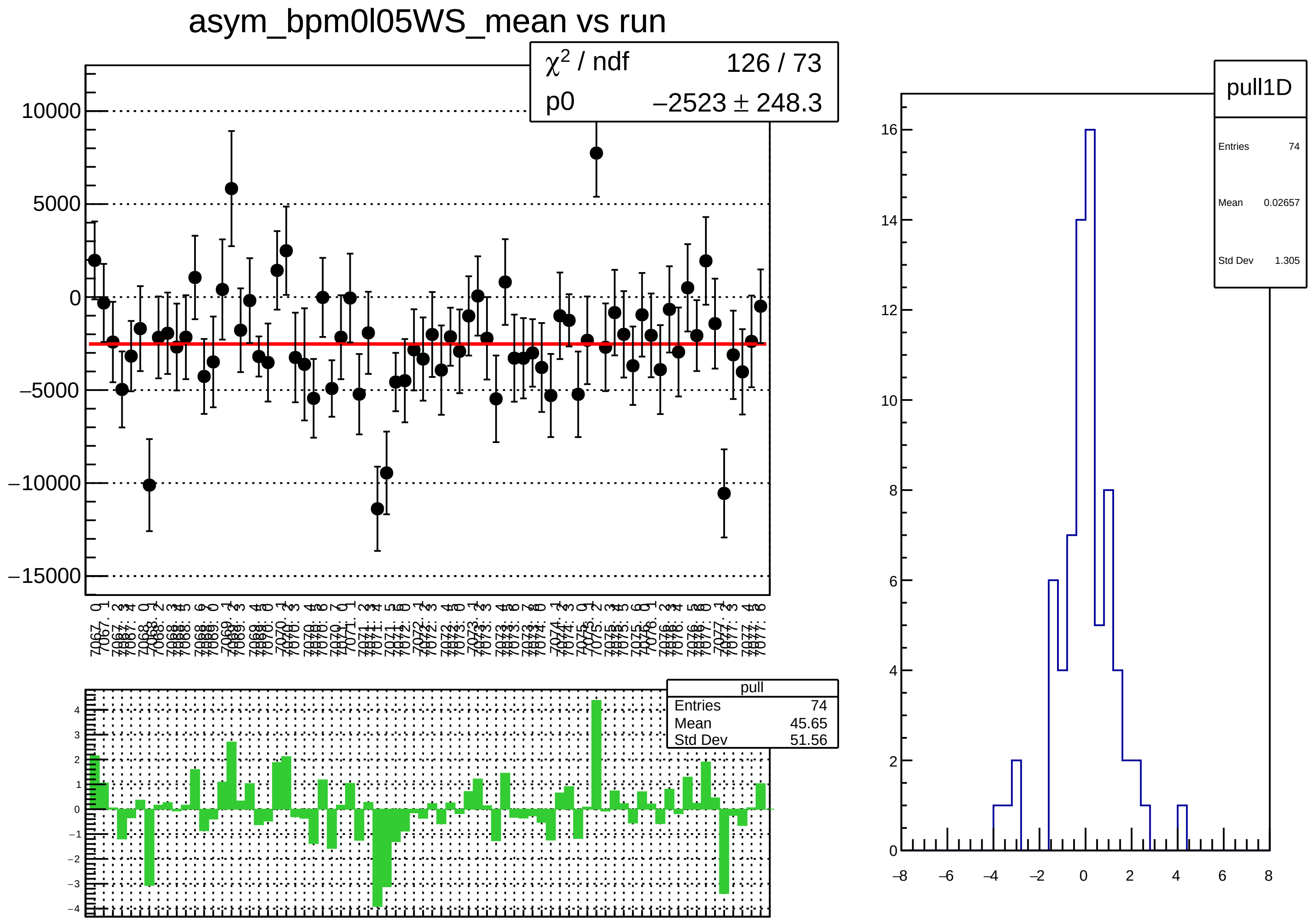

asym_bpm0l03WS_rms vs run
χ2 / ndf 7.325e+04 / 73
p0 1173 ± 0.9702



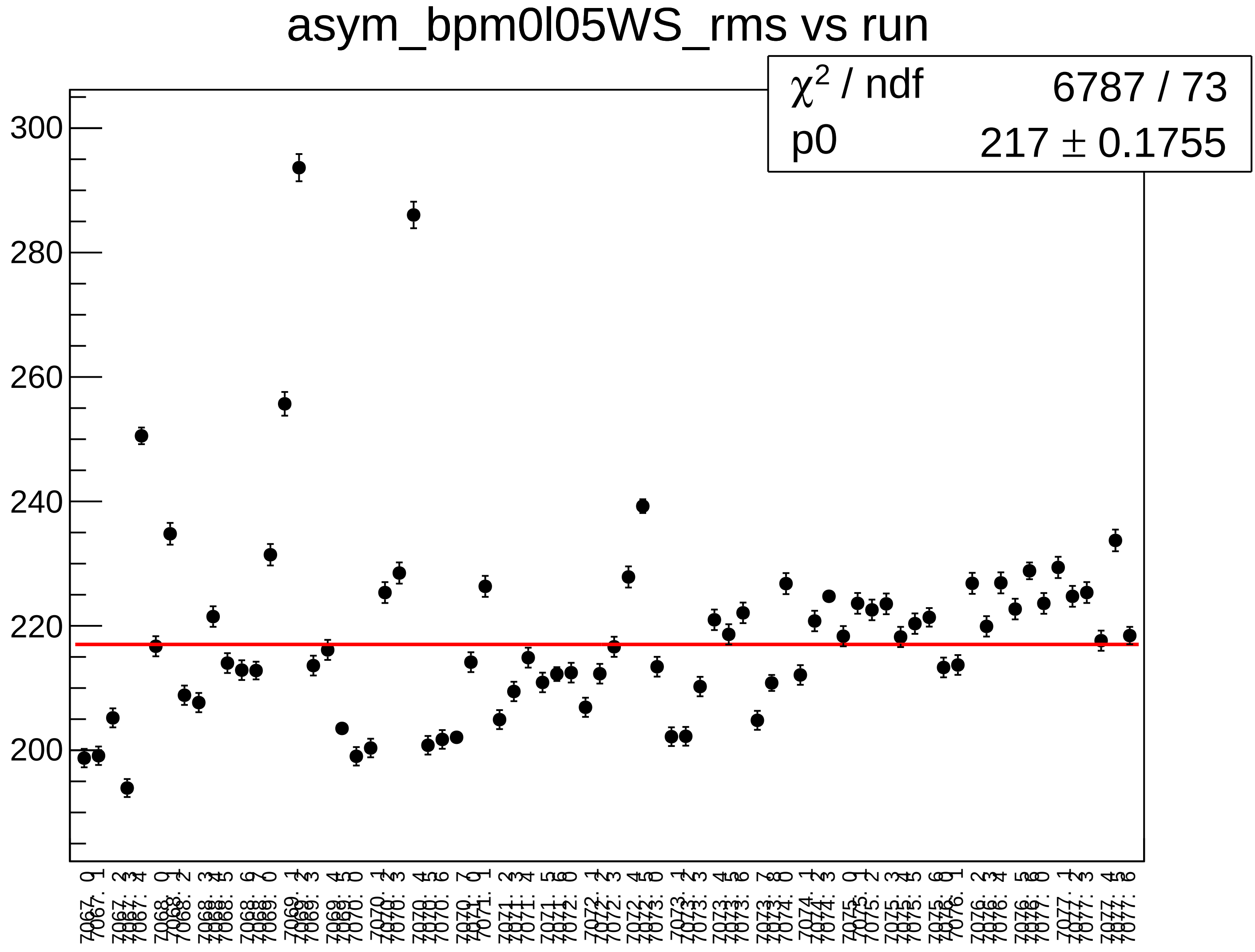
asym_bpm0l04WS_mean vs run
χ^2 / ndf 122.2 / 73
p0 −2588 ± 242.1
pull
Entries 74
Mean 89.69
Std Dev 17.11
pull1D
Entries 74
Mean 0.02795
Std Dev 1.285

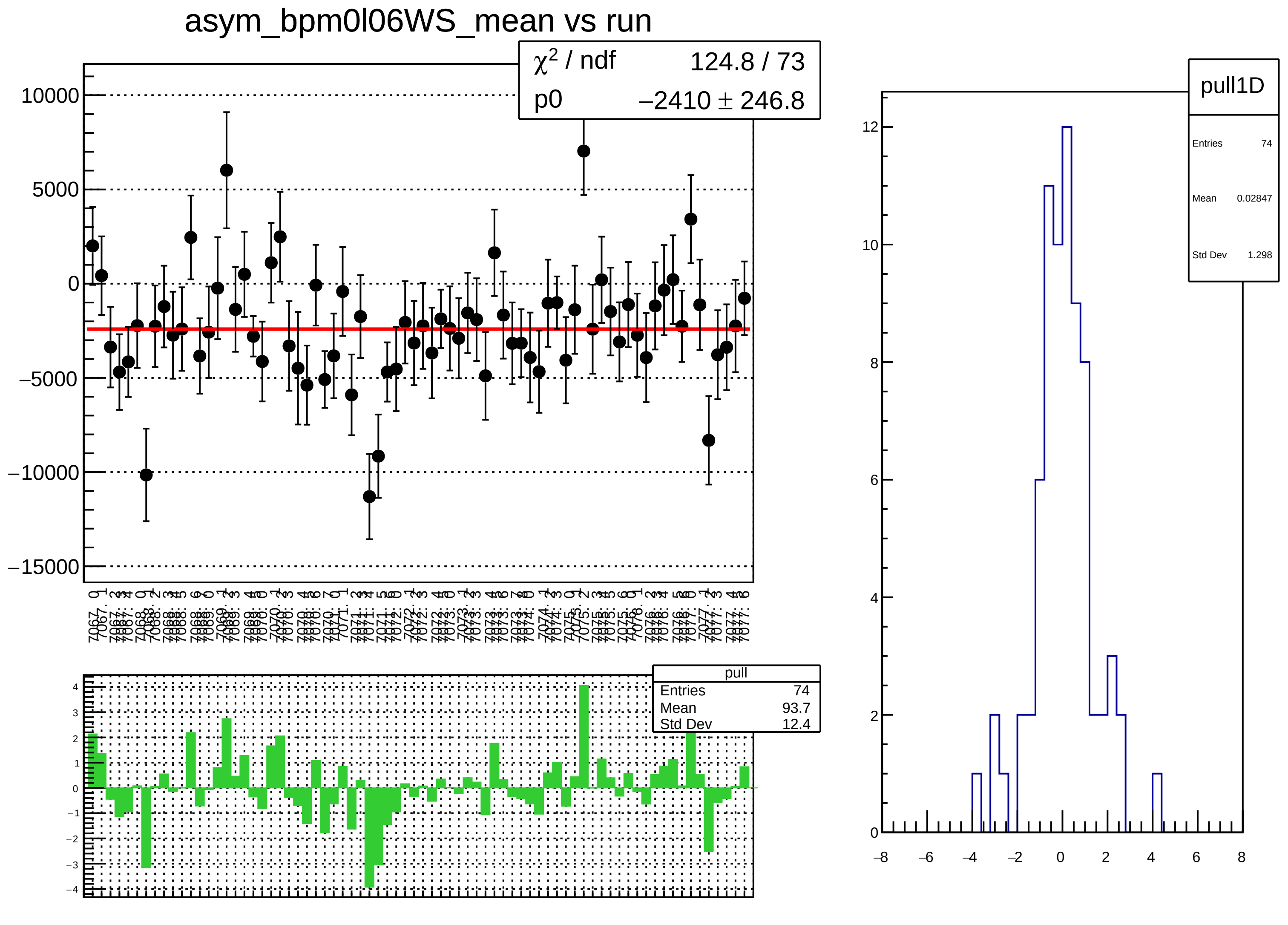


asym_bpm0l04WS_rms vs run
χ^2 / ndf 7442 / 73
p0 211.6 ± 0.1712
300
280
260
240
220
200
180

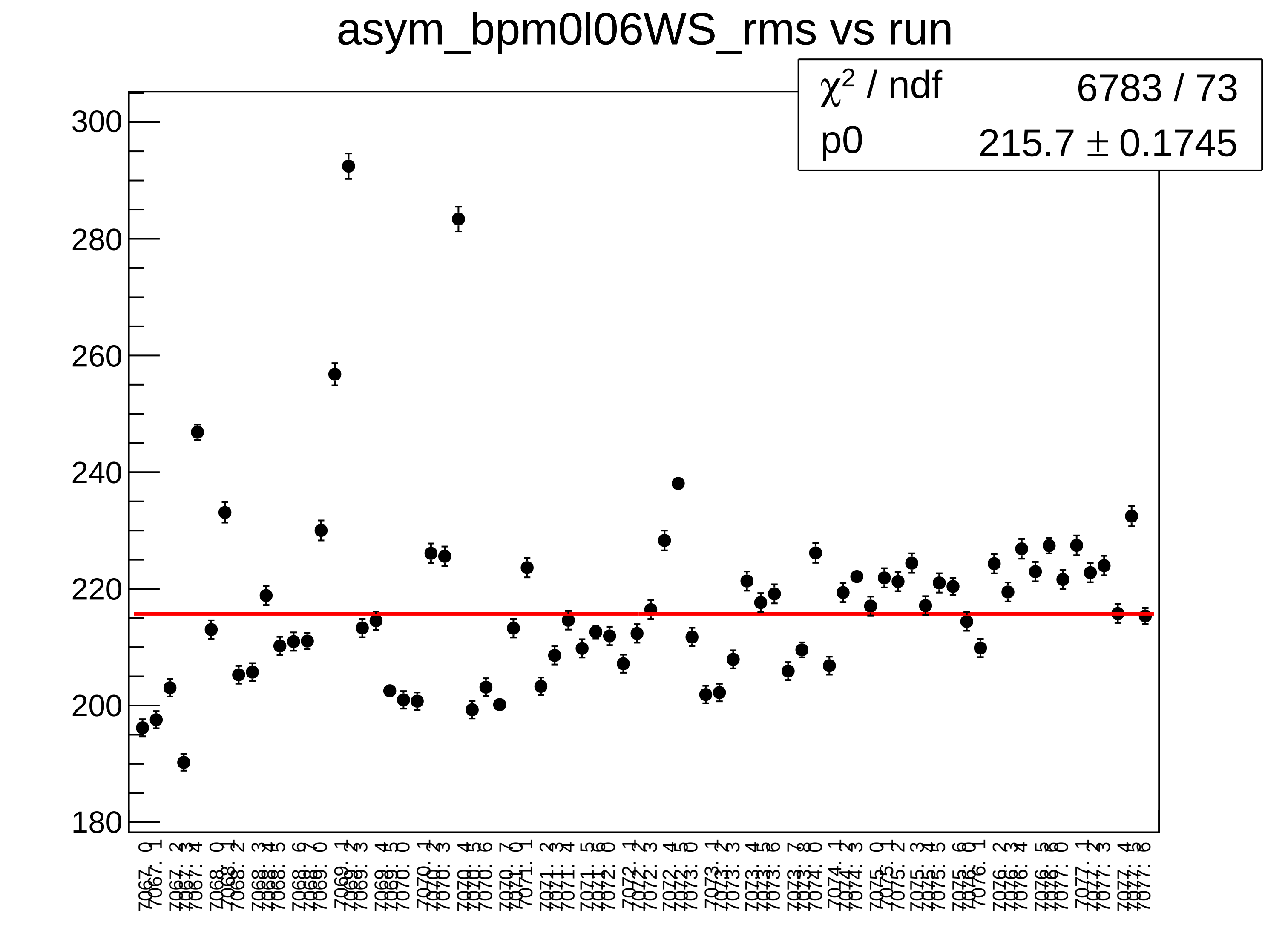


asym_bpm0l05WS_mean vs run
χ^2 / ndf 126 / 73
p0 −2523 ± 248.3
pull
Entries 74
Mean 45.65
Std Dev 51.56
pull1D
Entries 74
Mean 0.02657
Std Dev 1.305

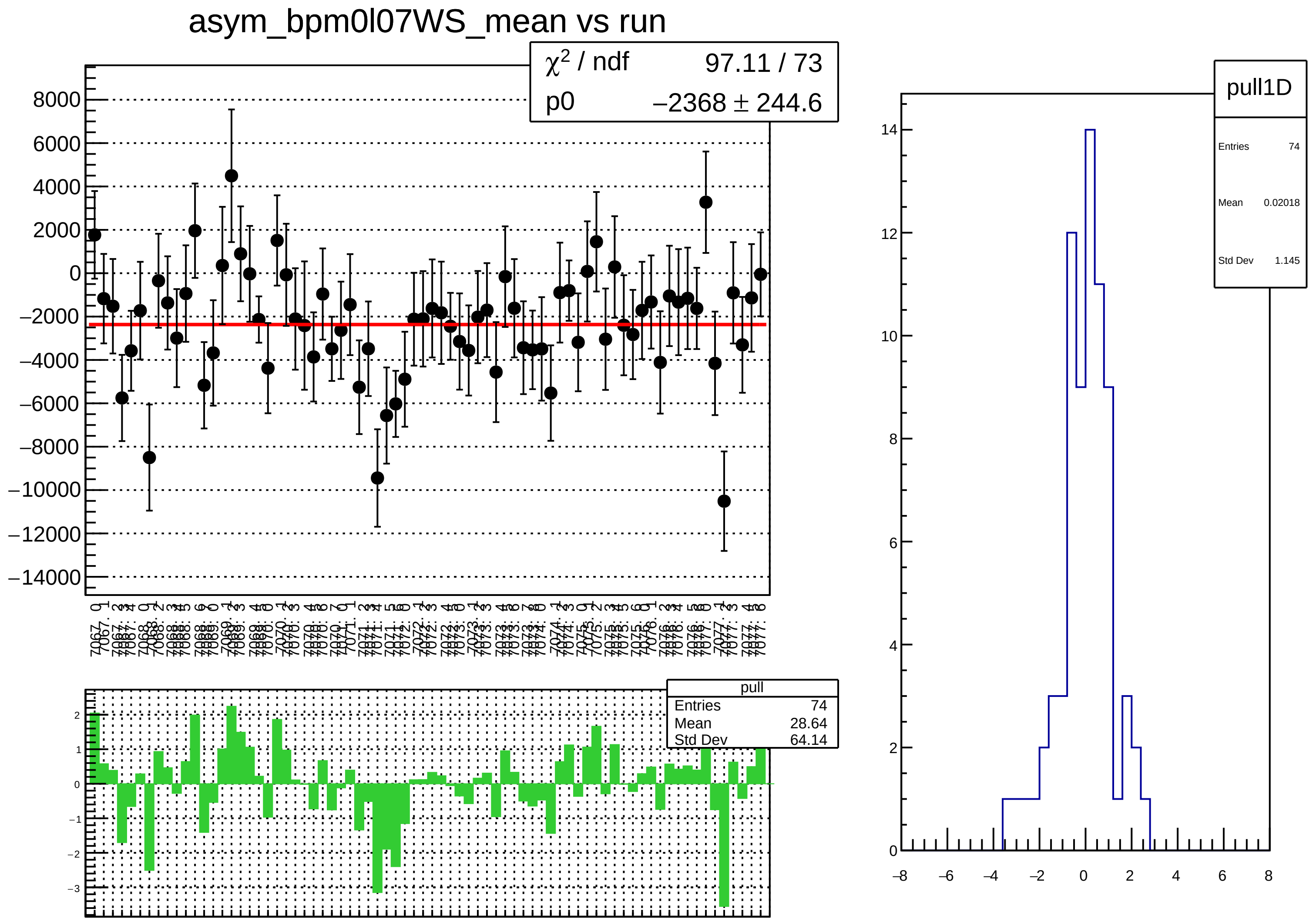

asym_bpm0l05WS_rms vs run
χ^2 / ndf 6787 / 73
p0 217 ± 0.1755
300
280
260
240
220
200



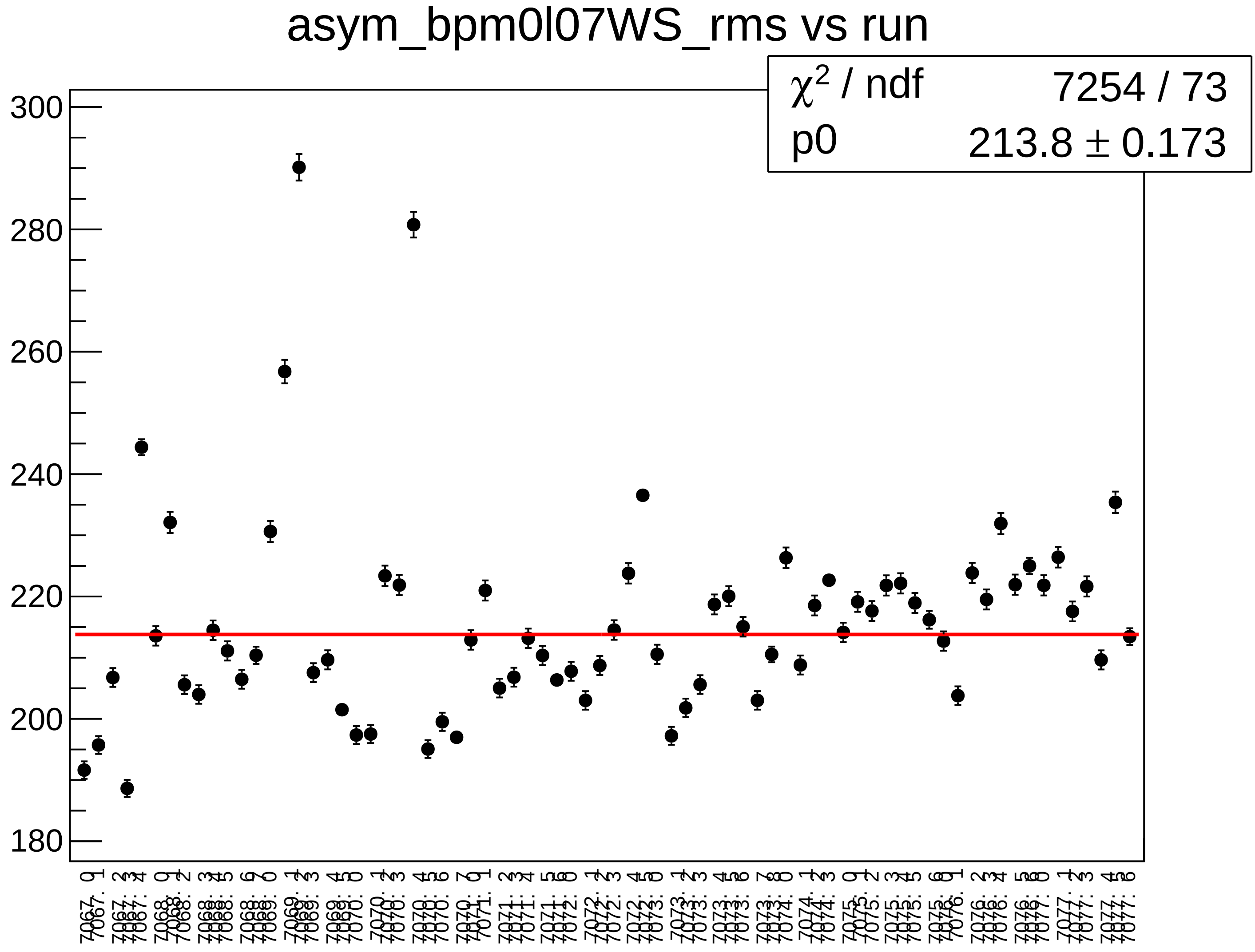
asym_bpm0l06WS_mean vs run
χ^2 / ndf 124.8 / 73
p0 −2410 ± 246.8
pull
Entries 74
Mean 93.7
Std Dev 12.4
pull1D
Entries 74
Mean 0.02847
Std Dev 1.298



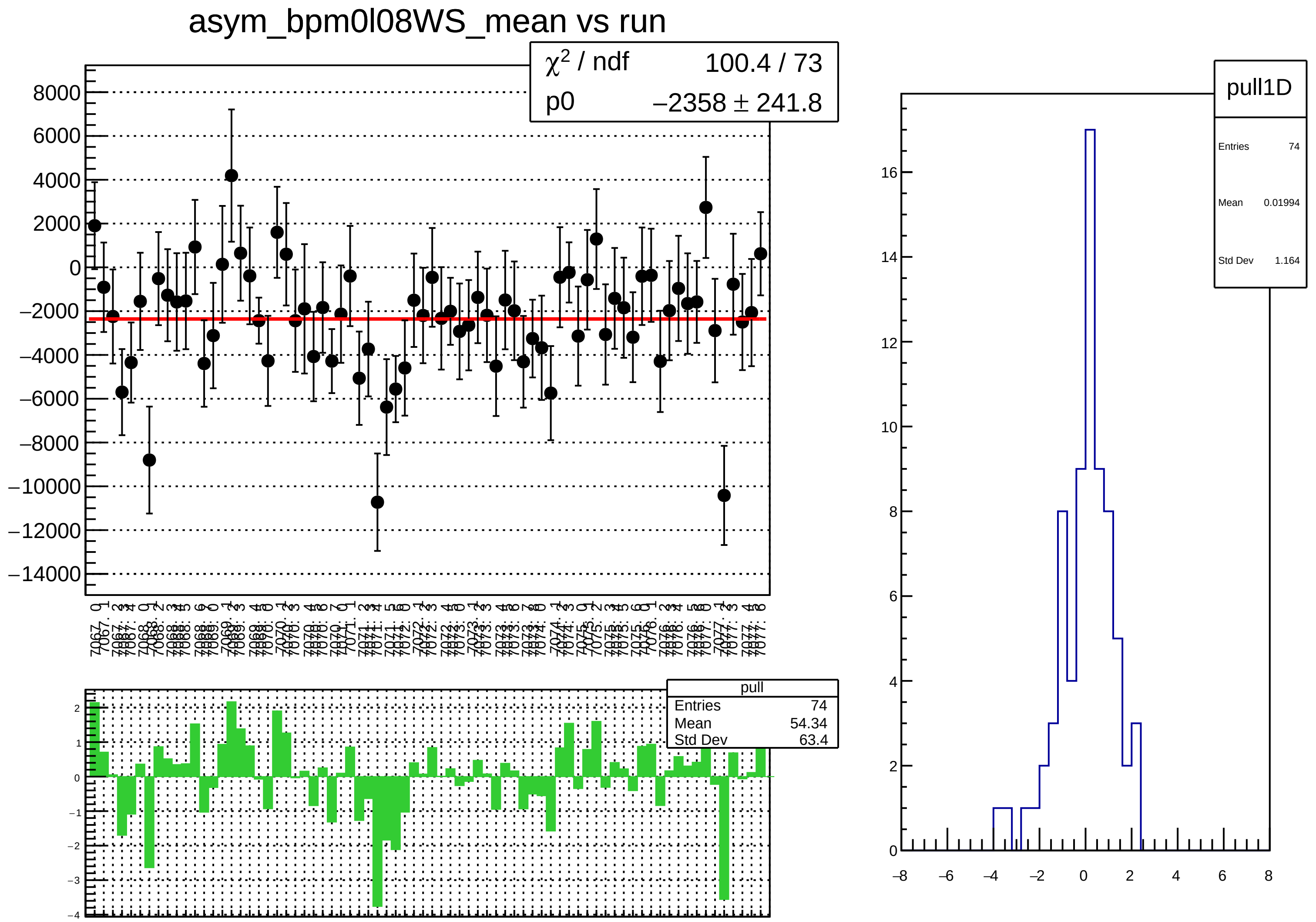
asym_bpm0l06WS_rms vs run
χ^2 / ndf 6783 / 73
p0 215.7 ± 0.1745
300
280
260
240
220
200
180



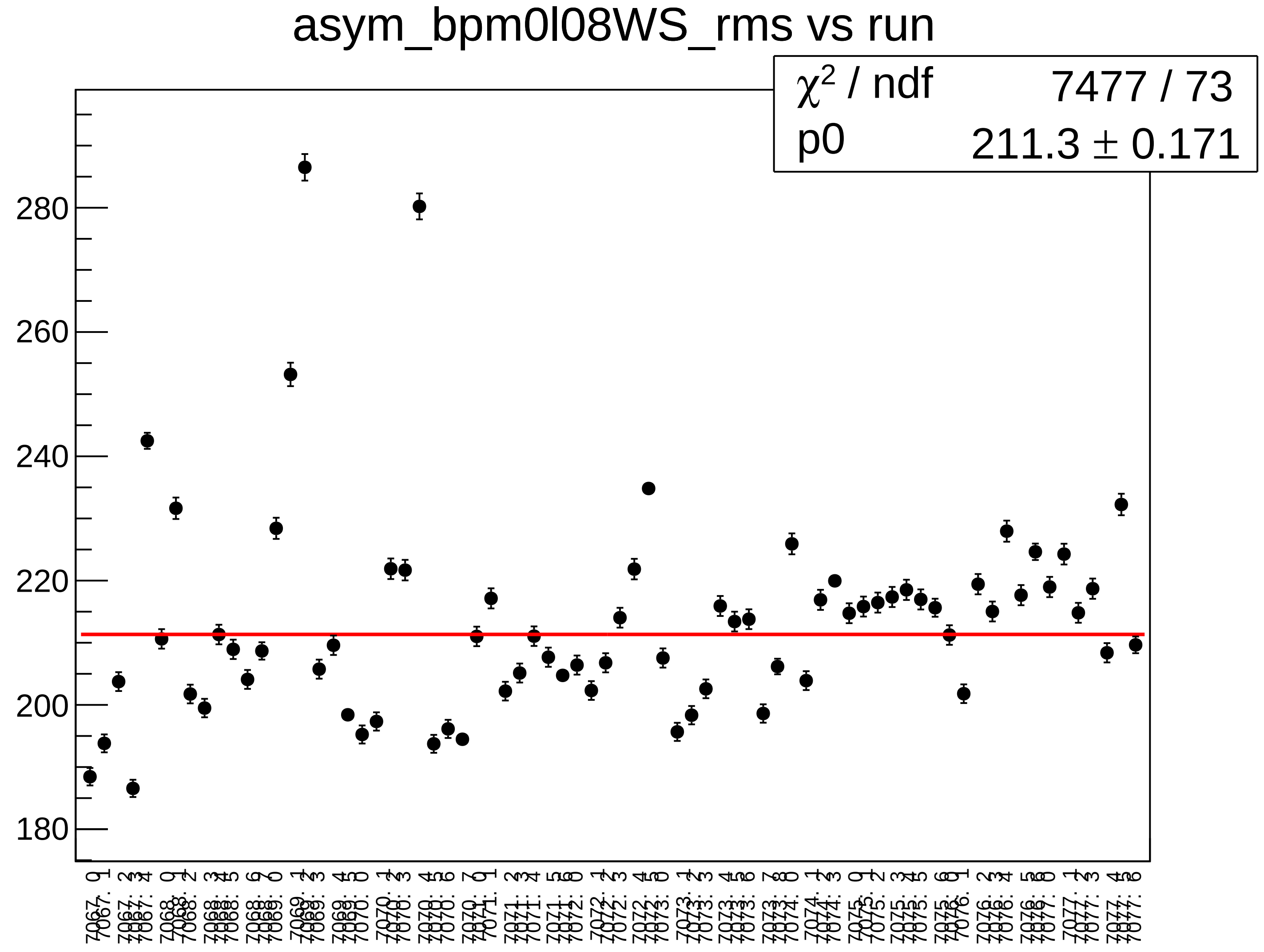
asym_bpm0l07WS_mean vs run
χ^2 / ndf 97.11 / 73
p0 −2368 ± 244.6
pull
Entries 74
Mean 28.64
Std Dev 64.14
pull1D
Entries 74
Mean 0.02018
Std Dev 1.145

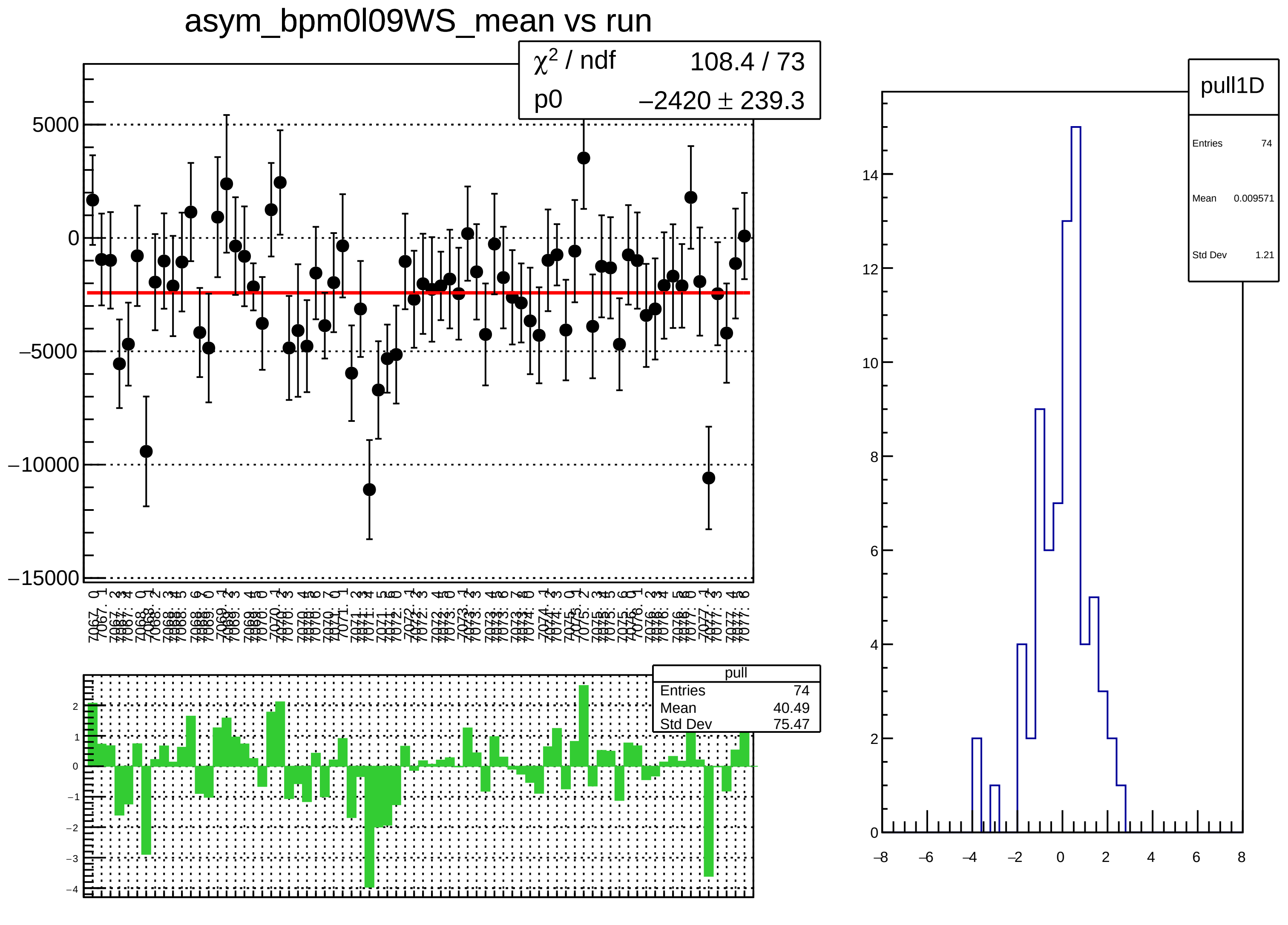


asym_bpm0l07WS_rms vs run
χ^2 / ndf 7254 / 73
p0 213.8 ± 0.173
300
280
260
240
220
200
180

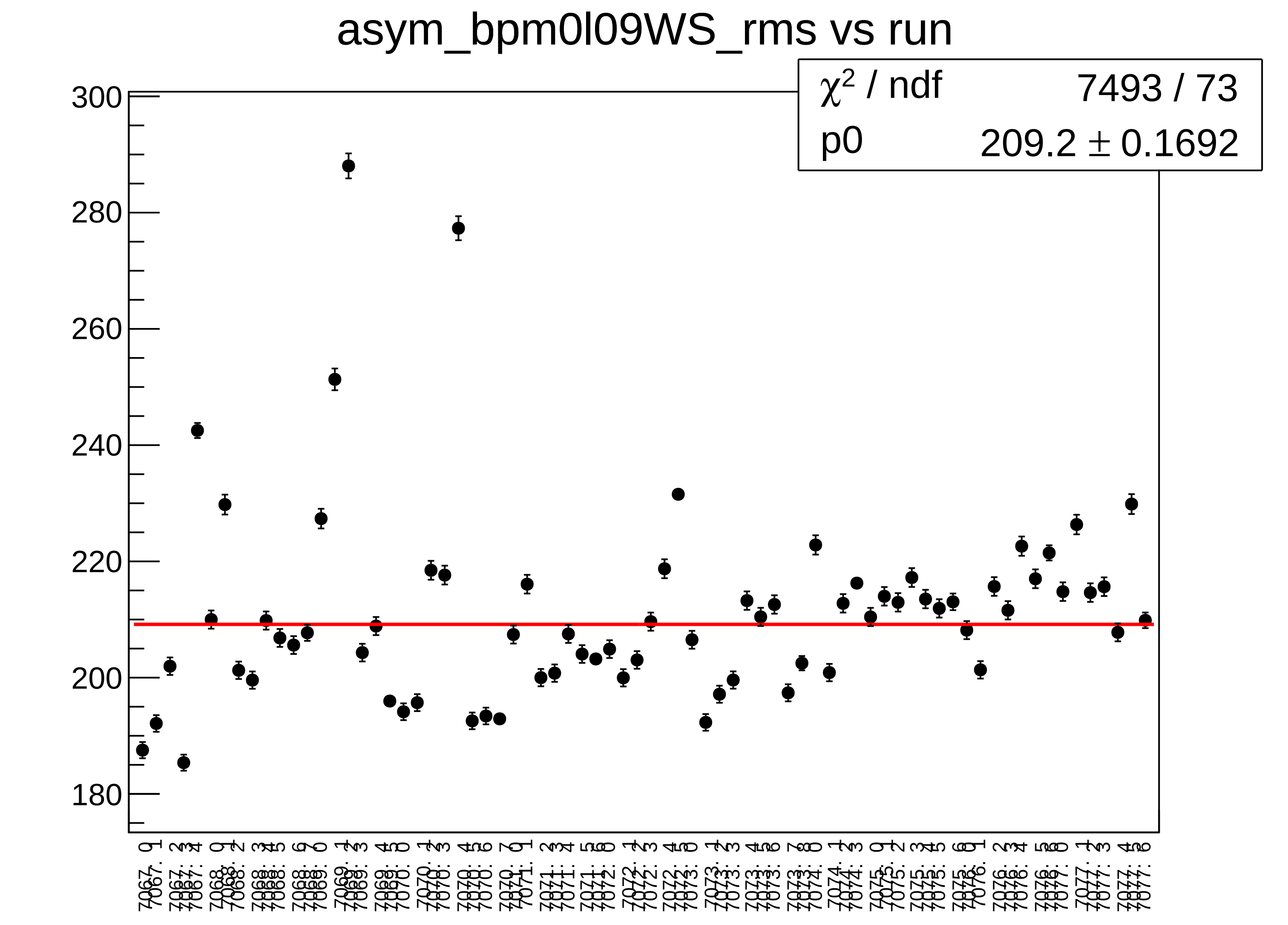


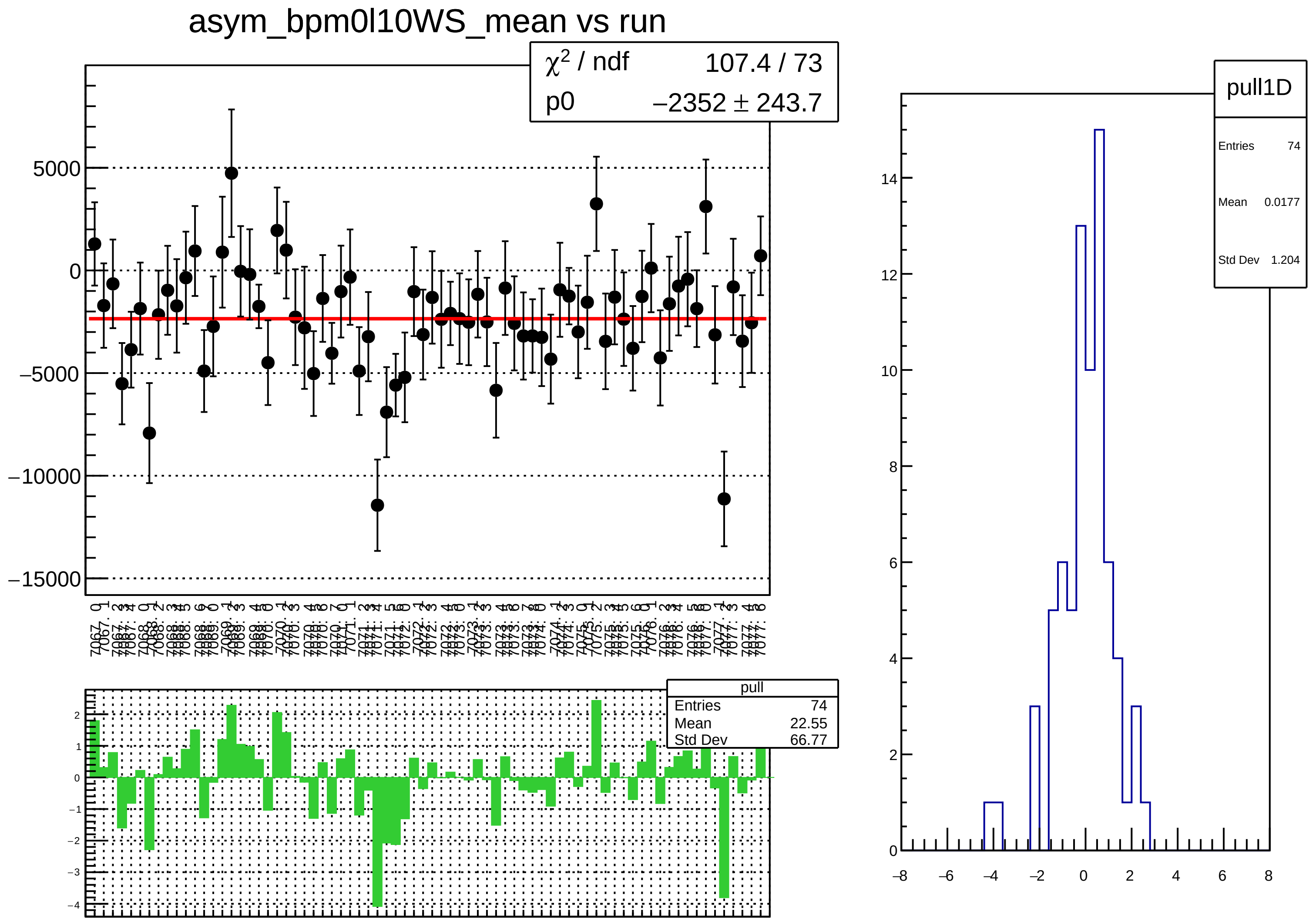
asym_bpm0l08WS_mean vs run
χ2 / ndf 100.4 / 73
p0 −2358 ± 241.8
pull
Entries 74
Mean 54.34
Std Dev 63.4
pull1D
Entries 74
Mean 0.01994
Std Dev 1.164

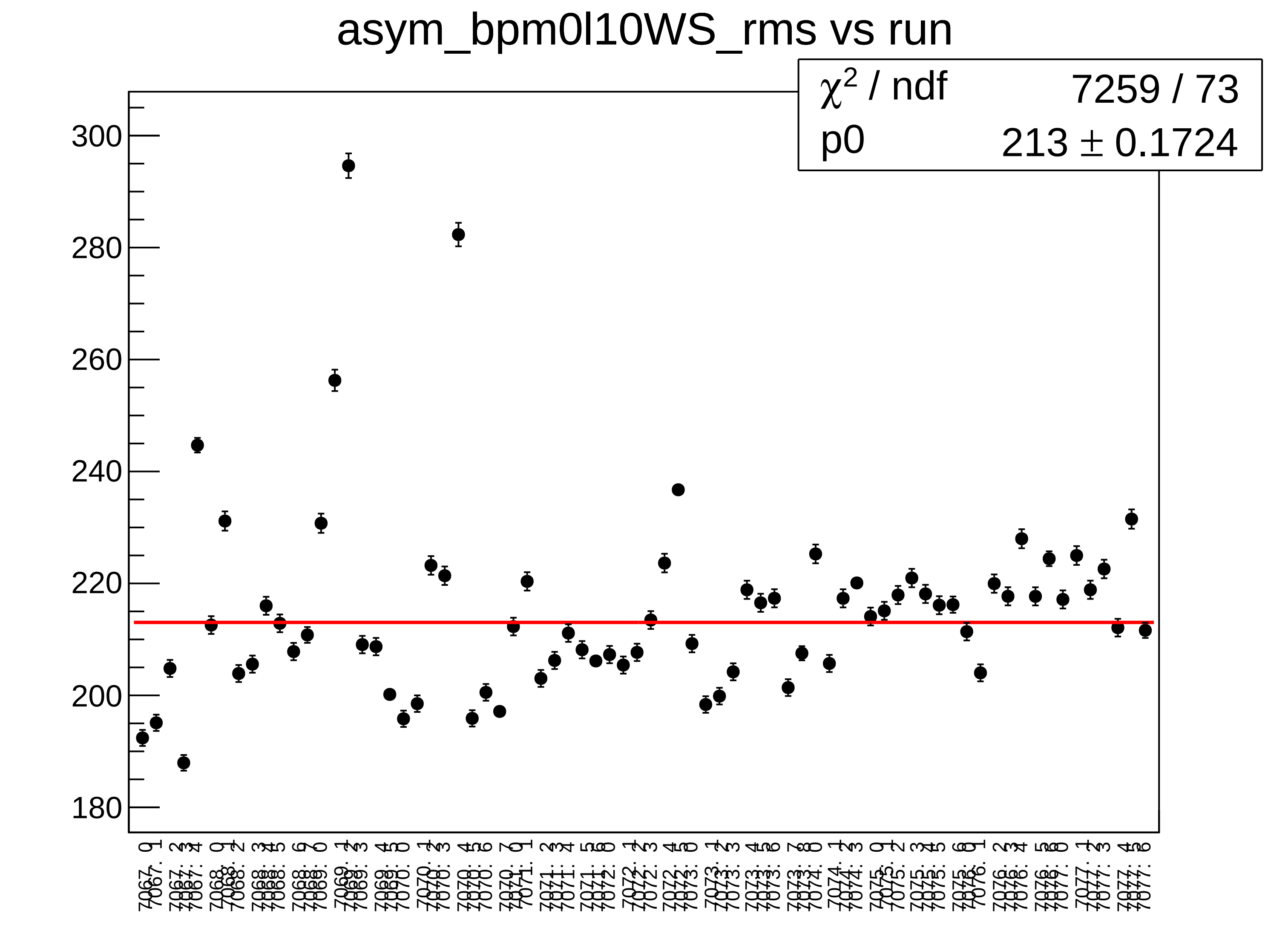

asym_bpm0l08WS_rms vs run
χ² / ndf 7477 / 73
p0 211.3 ± 0.171
280
260
240
220
200
180



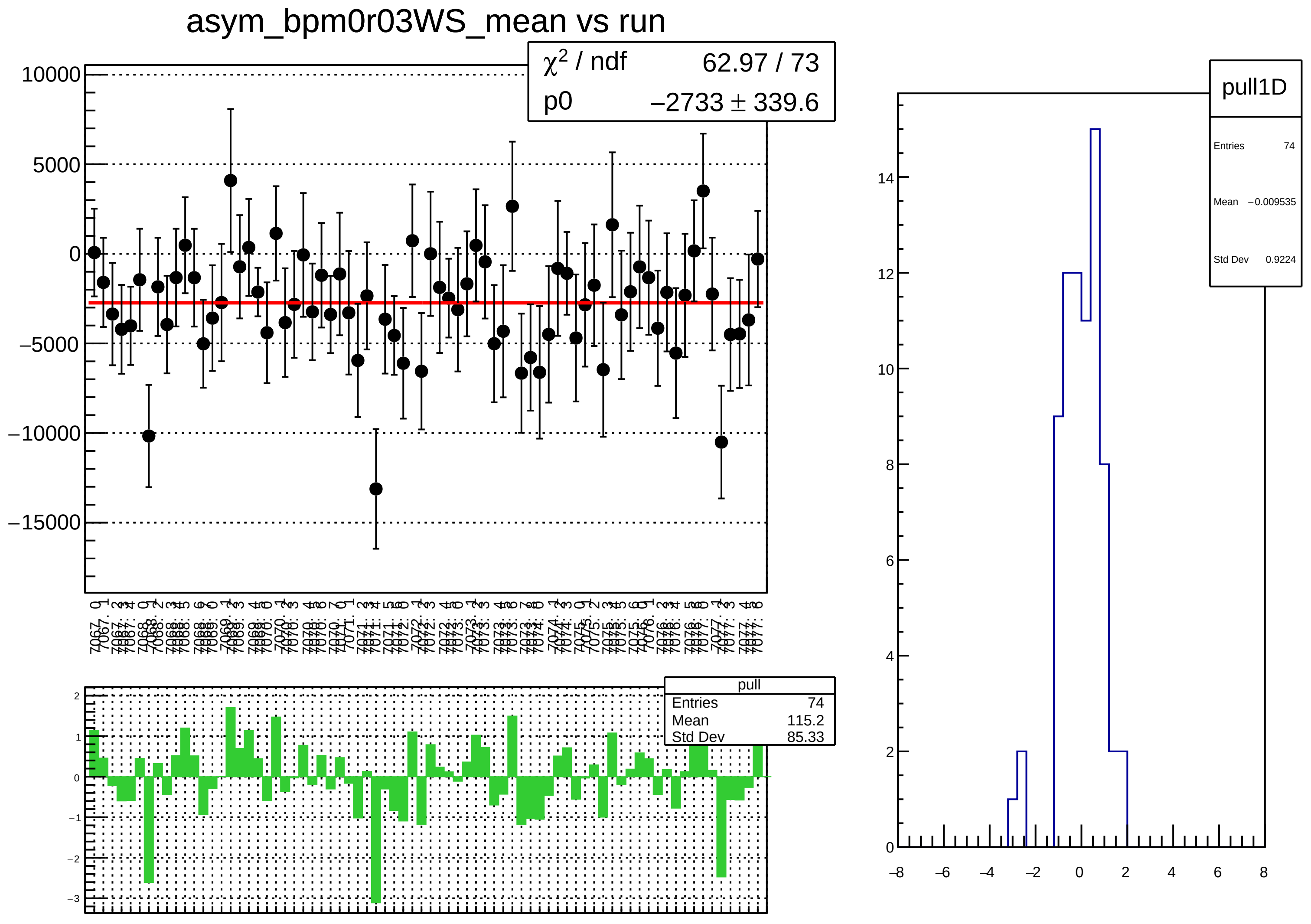
asym_bpm0l09WS_mean vs run
χ^2 / ndf 108.4 / 73
p0 −2420 ± 239.3
pull
Entries 74
Mean 40.49
Std Dev 75.47
pull1D
Entries 74
Mean 0.009571
Std Dev 1.21

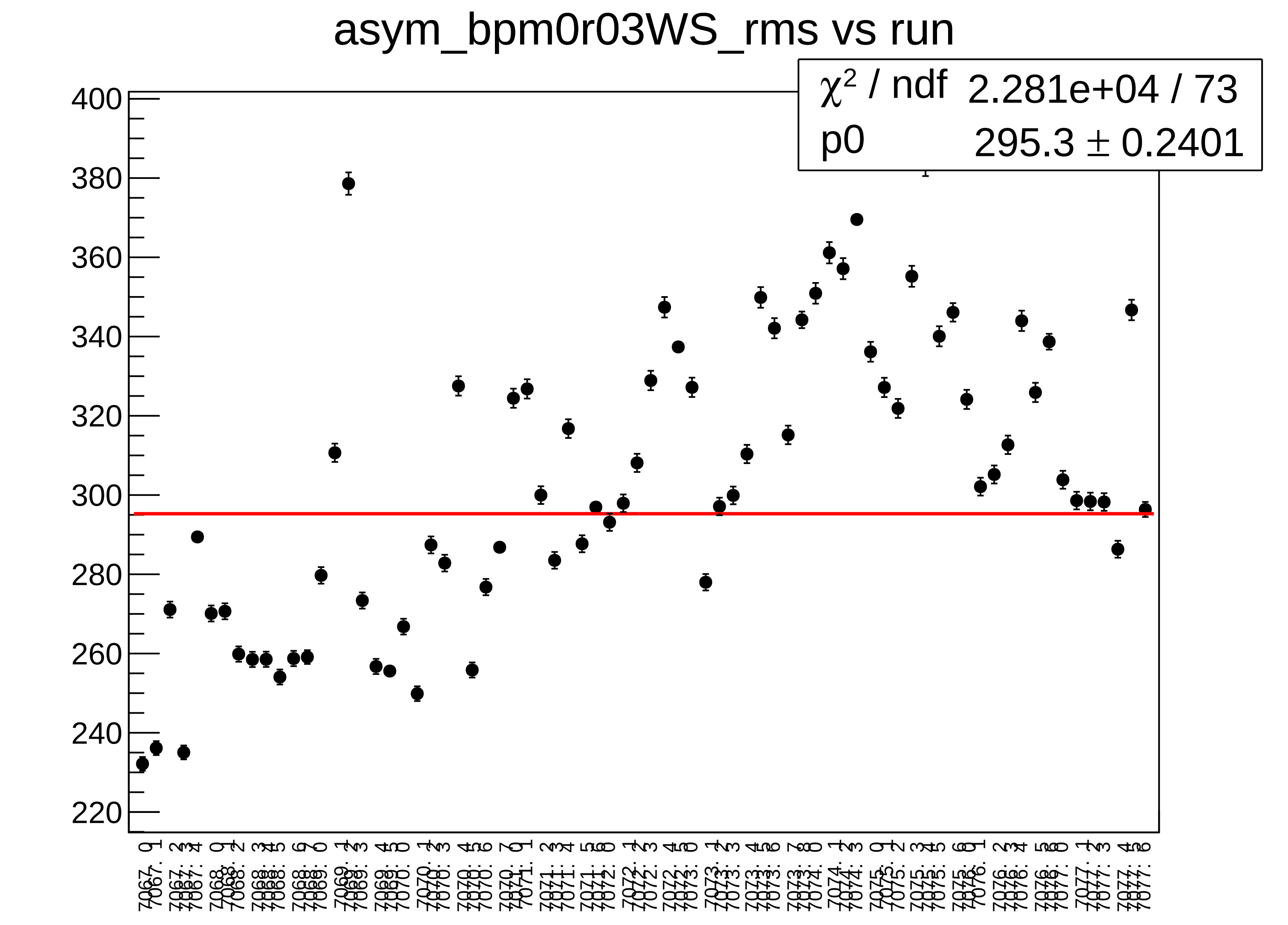

asym_bpm0l09WS_rms vs run
χ^2 / ndf 7493 / 73
p0 209.2 ± 0.1692
300
280
260
240
220
200
180

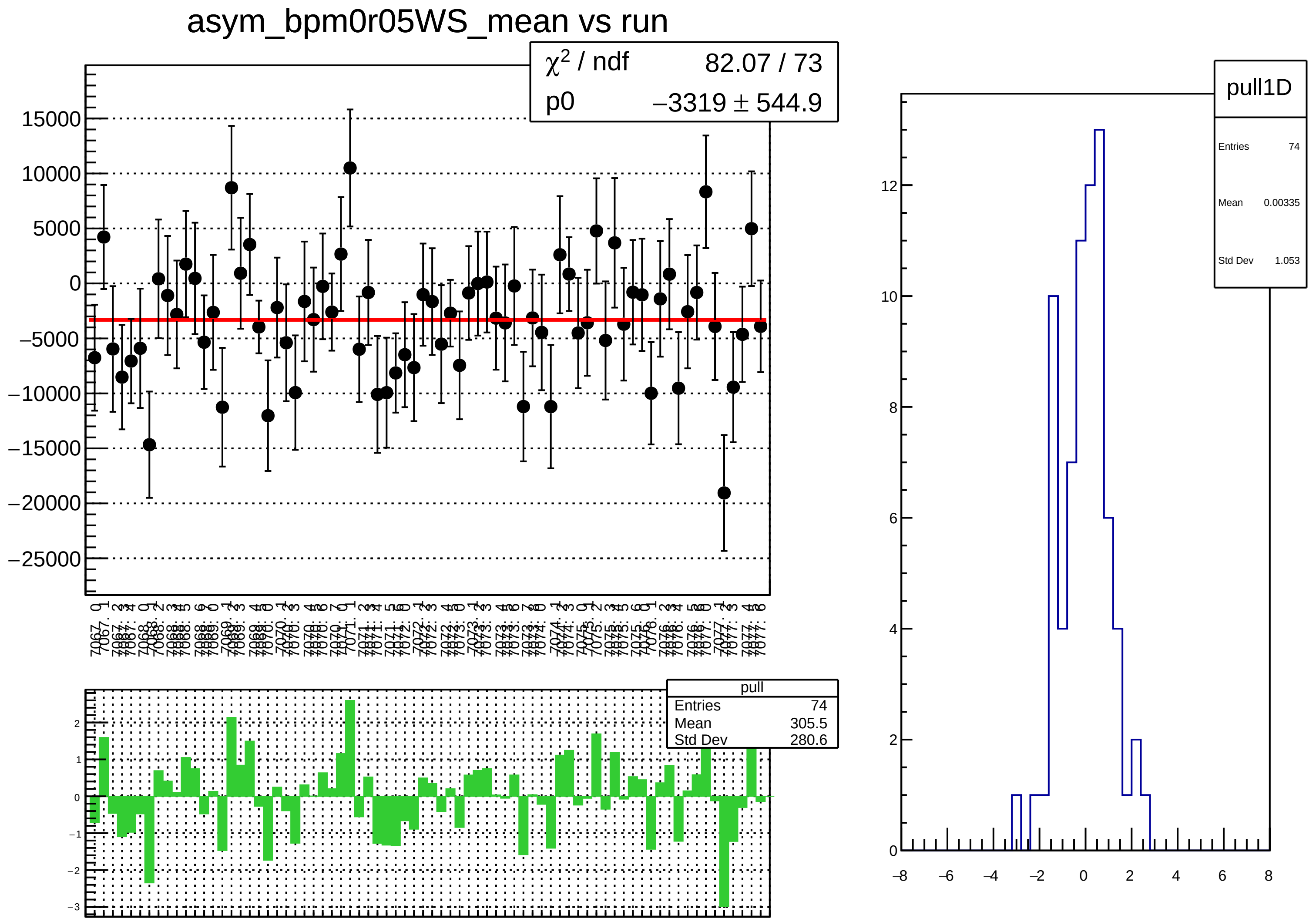

asym_bpm0l10WS_mean vs run
χ^2 / ndf 107.4 / 73
p0 −2352 ± 243.7
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean 22.55
Std Dev 66.77
pull1D
Entries 74
Mean 0.0177
Std Dev 1.204

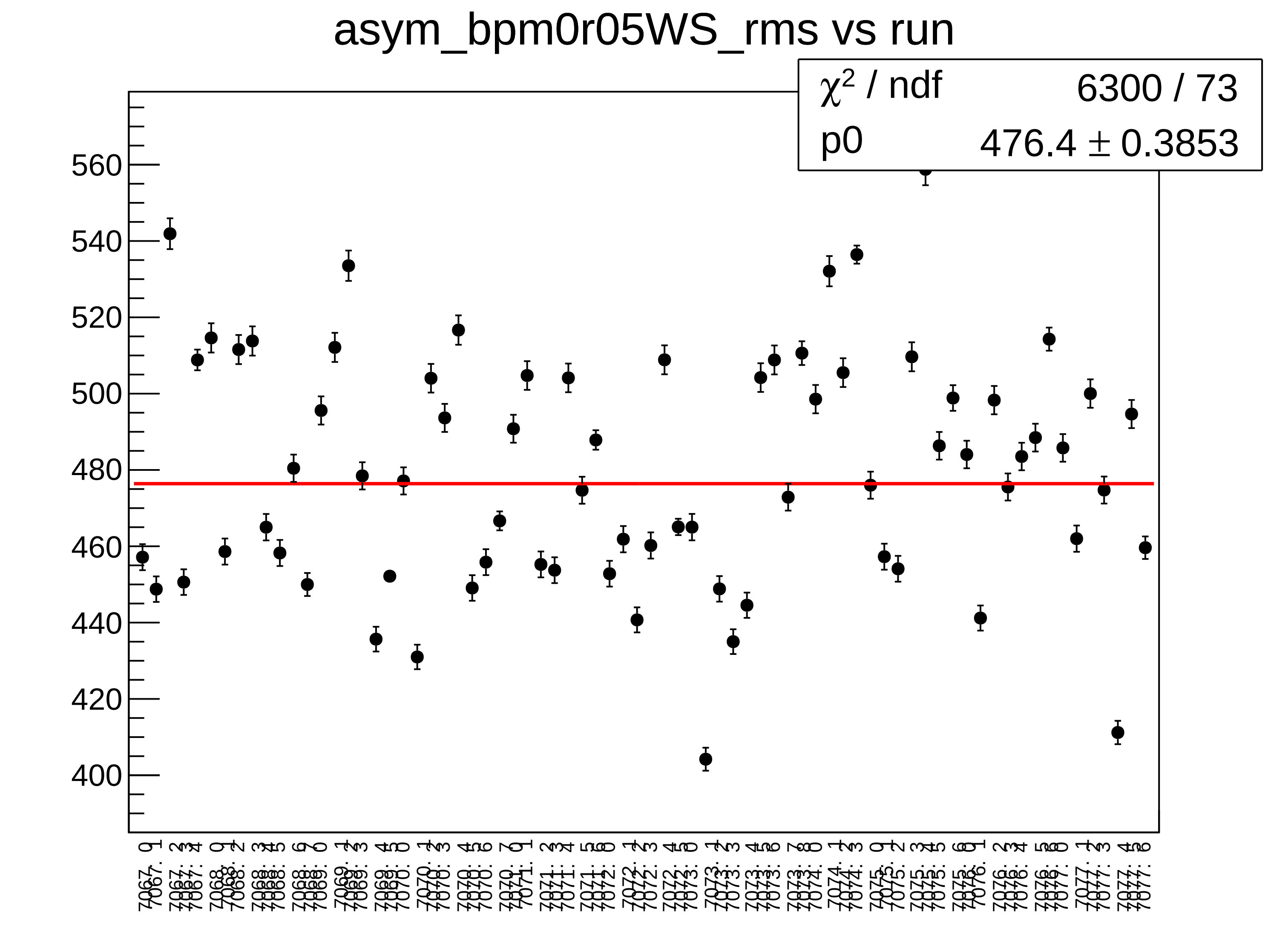


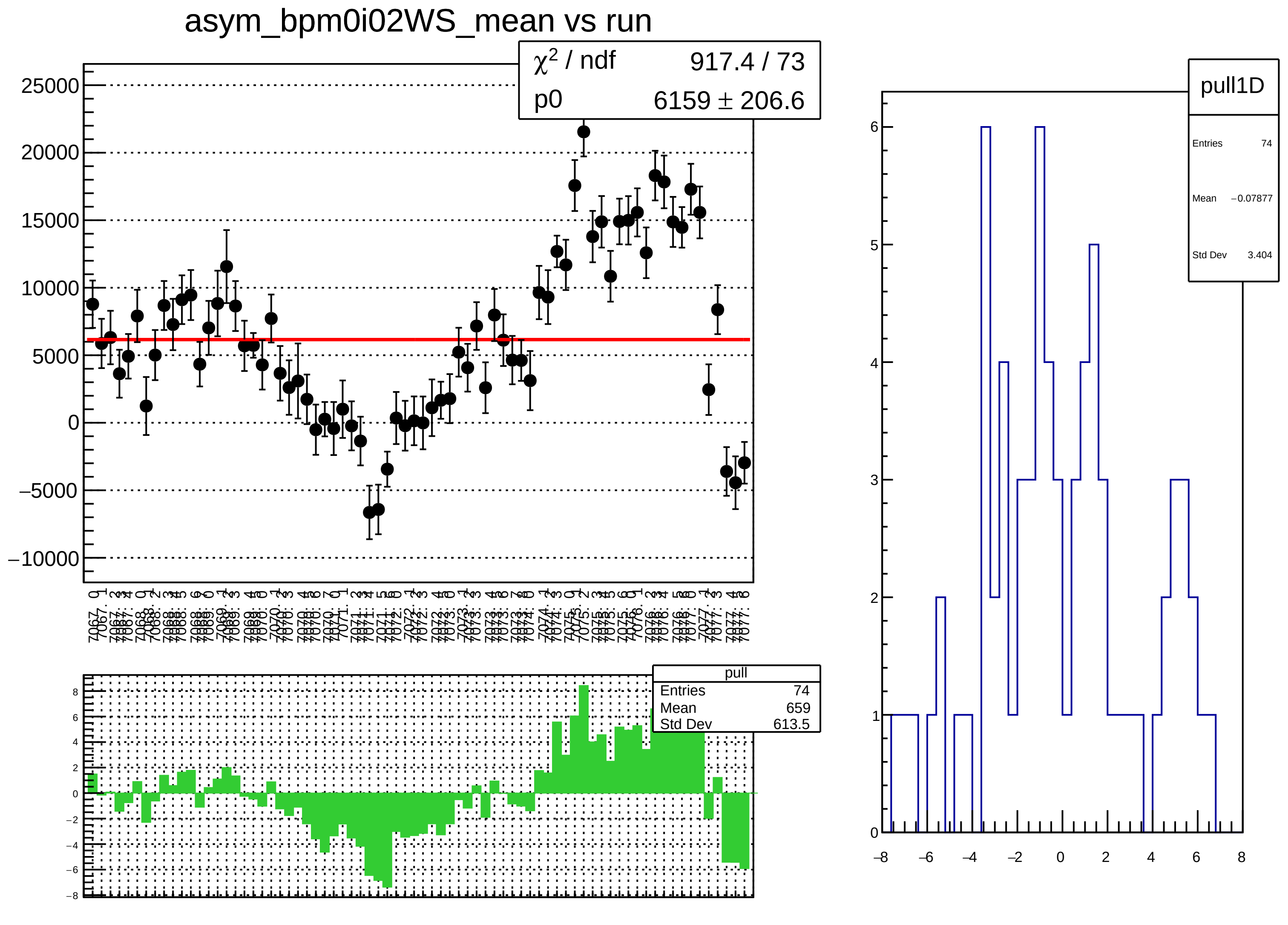
asym_bpm0l10WS_rms vs run
χ^2 / ndf 7259 / 73
p0 213 ± 0.1724
300
280
260
240
220
200
180

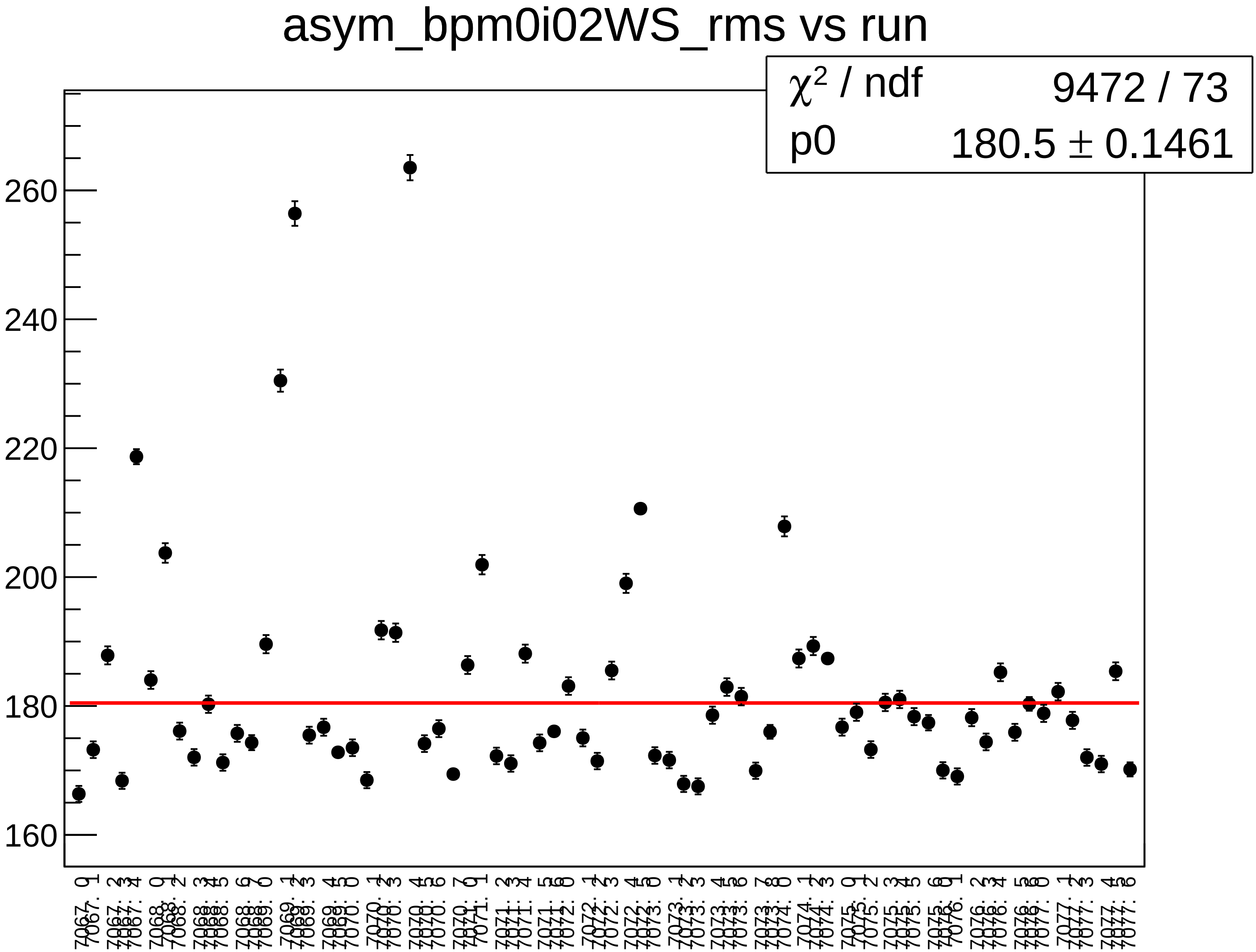

asym_bpm0r03WS_mean vs run
χ^2 / ndf 62.97 / 73
p0 −2733 ± 339.6
pull
Entries 74
Mean 115.2
Std Dev 85.33
pull1D
Entries 74
Mean −0.009535
Std Dev 0.9224

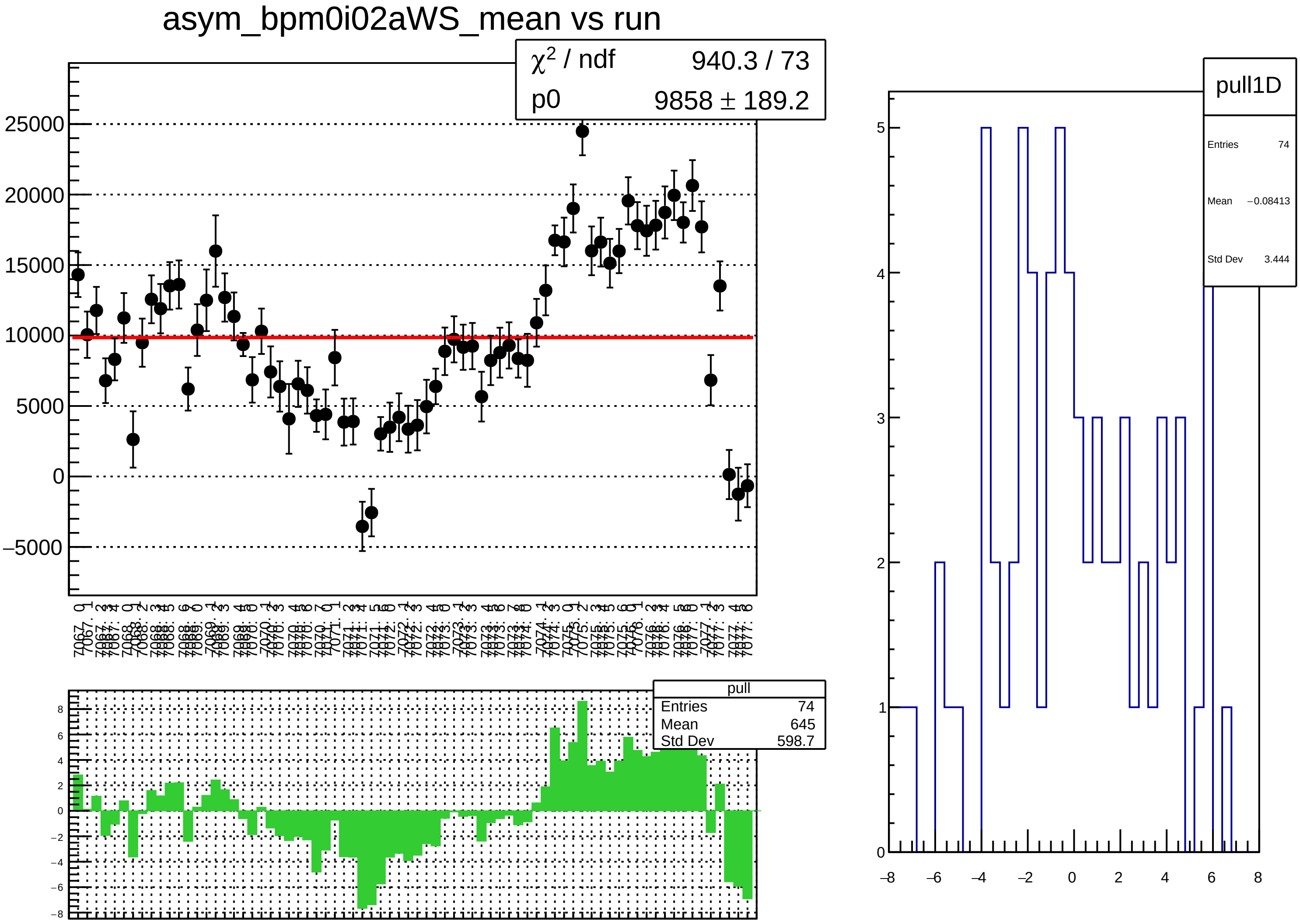

asym_bpm0r03WS_rms vs run
χ2 / ndf 2.281e+04 / 73
p0 295.3 ± 0.2401


asym_bpm0r05WS_mean vs run
χ^2 / ndf 82.07 / 73
p0 −3319 ± 544.9
pull
Entries 74
Mean 305.5
Std Dev 280.6
pull1D
Entries 74
Mean 0.00335
Std Dev 1.053

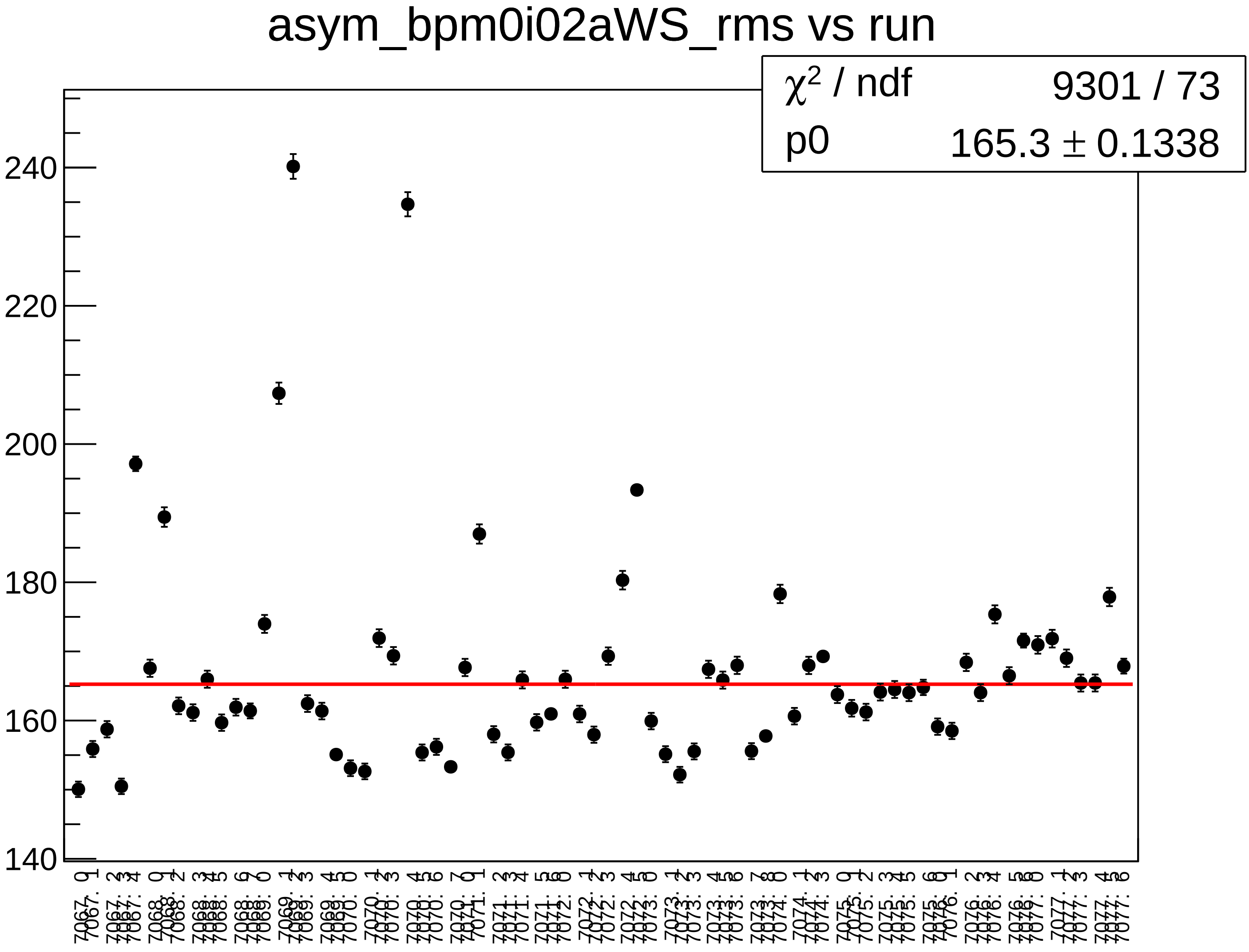

asym_bpm0r05WS_rms vs run
χ^2 / ndf 6300 / 73
p0 476.4 ± 0.3853
560
540
520
500
480
460
440
420
400


asym_bpm0i02WS_mean vs run
χ^2 / ndf 917.4 / 73
p0 6159 ± 206.6
pull
Entries 74
Mean 659
Std Dev 613.5
pull1D
Entries 74
Mean −0.07877
Std Dev 3.404

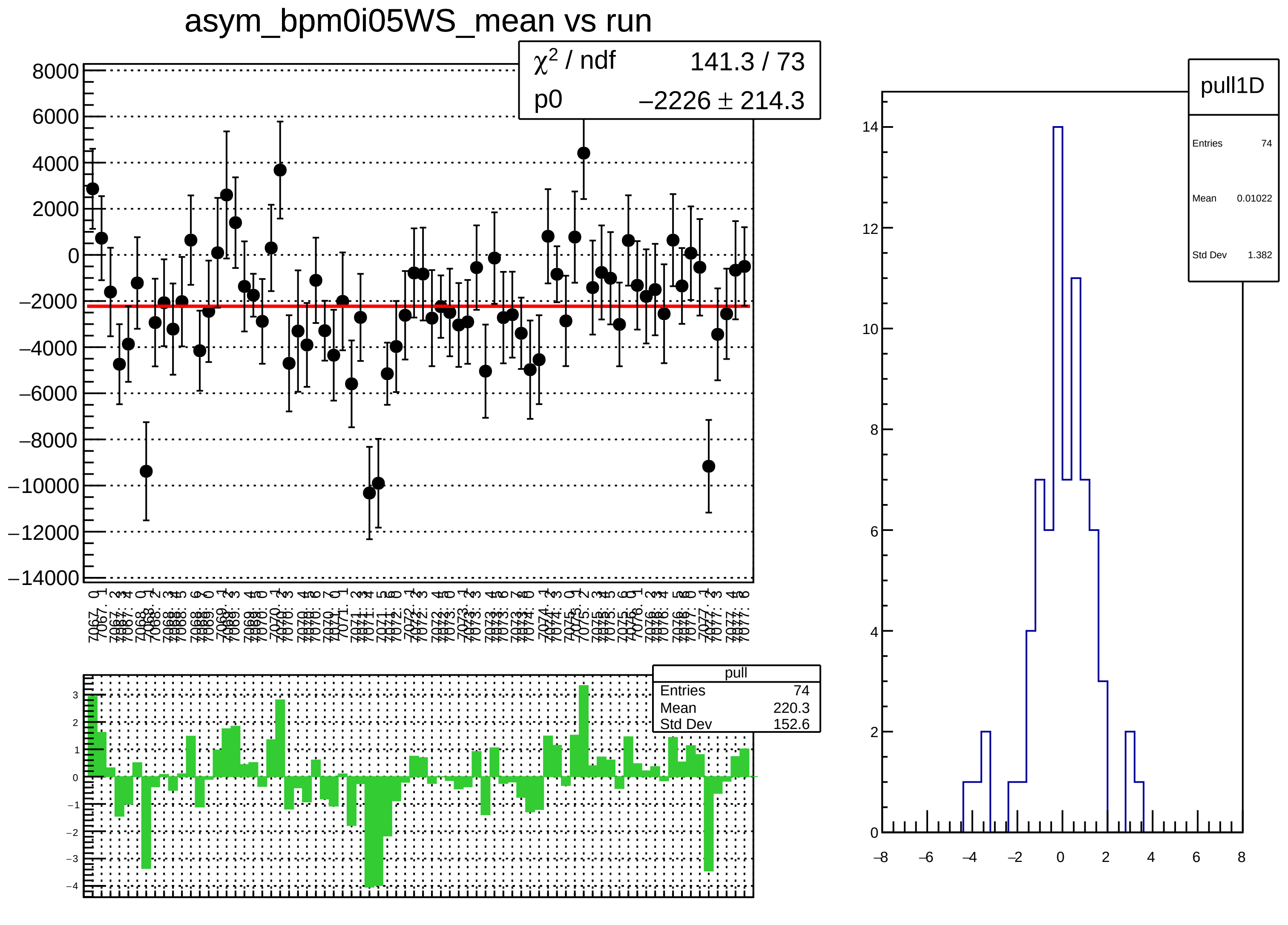

asym_bpm0i02WS_rms vs run
χ2 / ndf 9472 / 73
p0 180.5 ± 0.1461
260
240
220
200
180
160



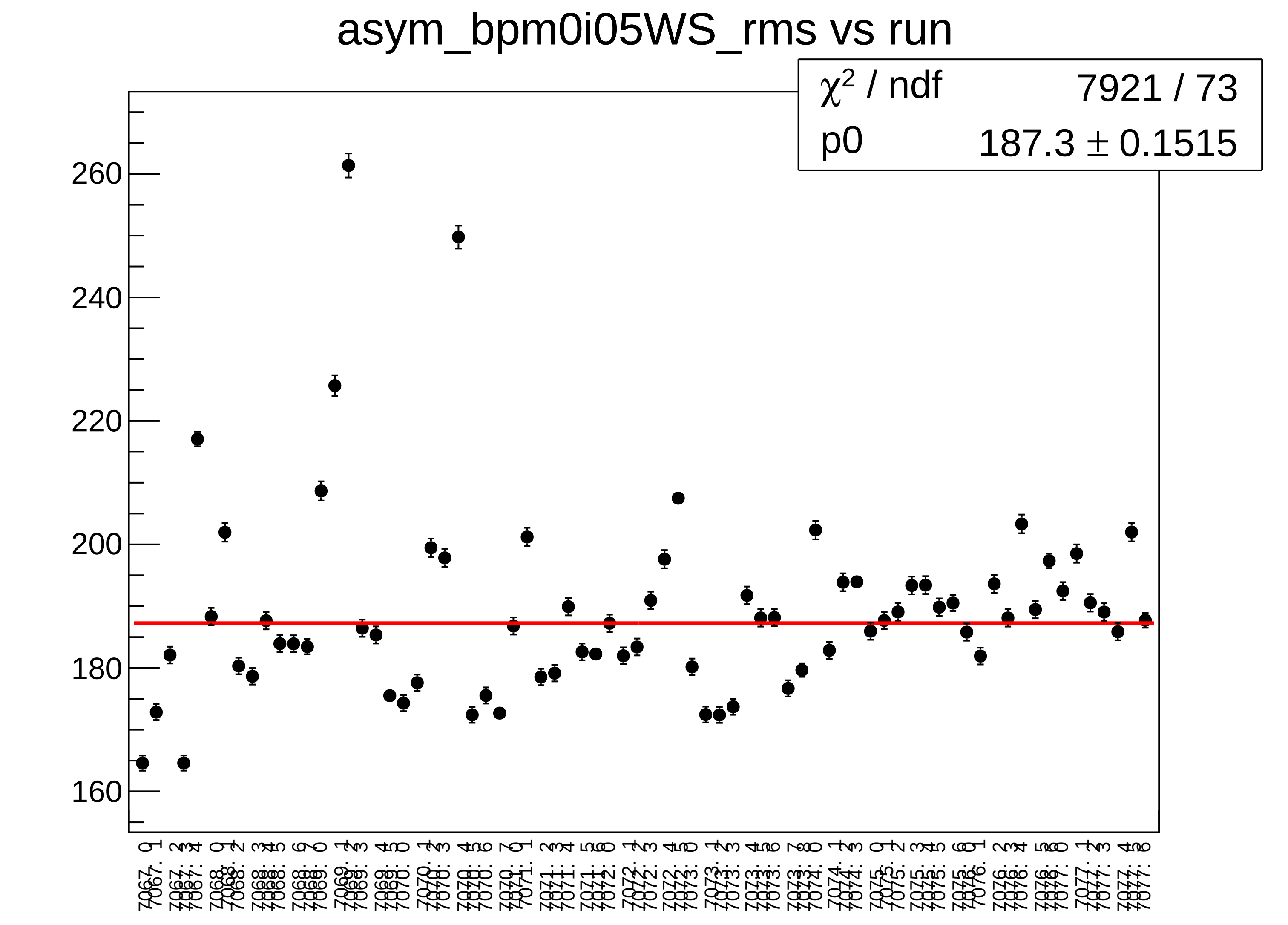
asym_bpm0i02aWS_mean vs run
χ^2 / ndf 940.3 / 73
p0 9858 ± 189.2
pull
Entries 74
Mean 645
Std Dev 598.7
pull1D
Entries 74
Mean −0.08413
Std Dev 3.444

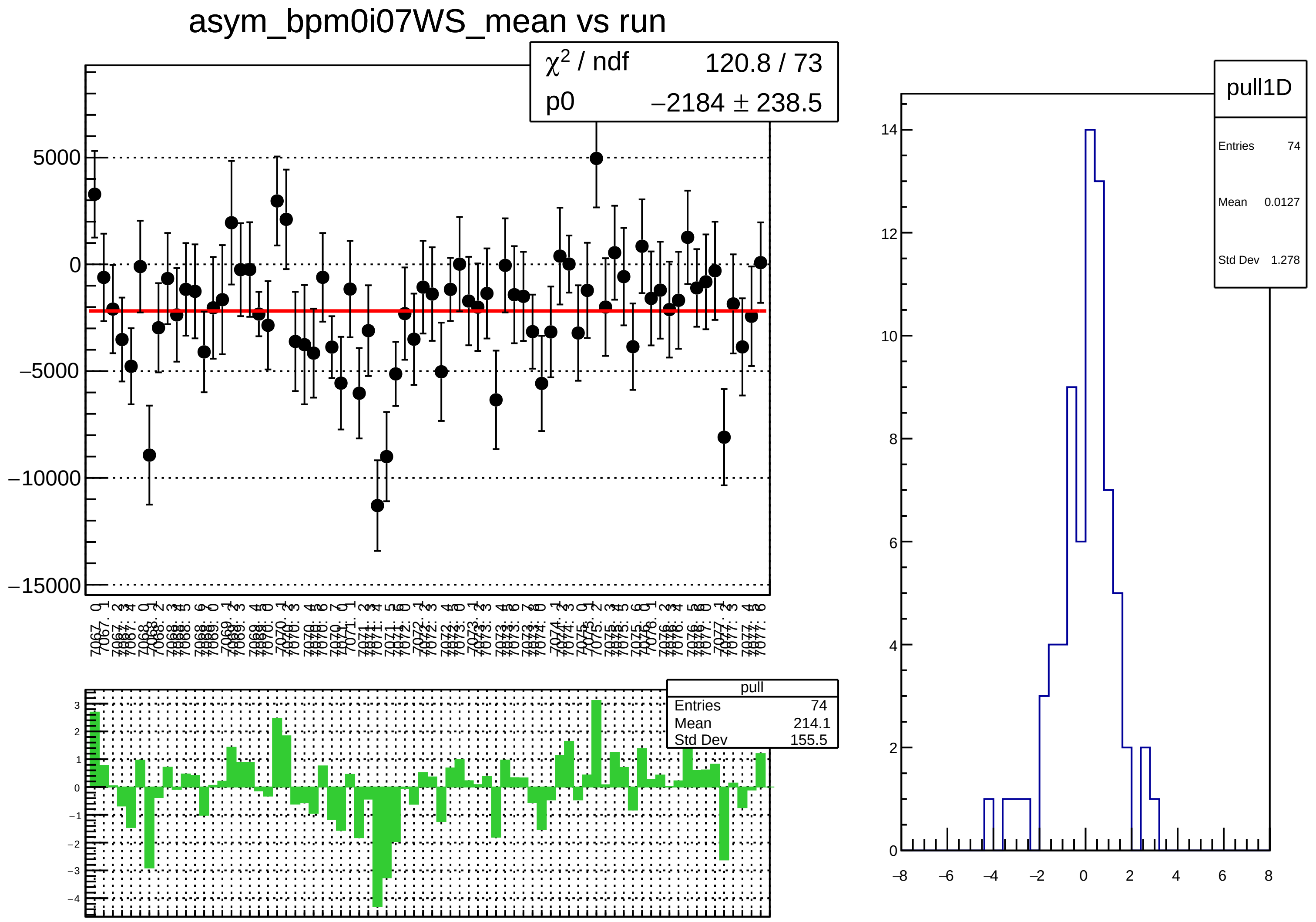


asym_bpm0i02aWS_rms vs run
χ^2 / ndf 9301 / 73
p0 165.3 ± 0.1338
240
220
200
180
160
140

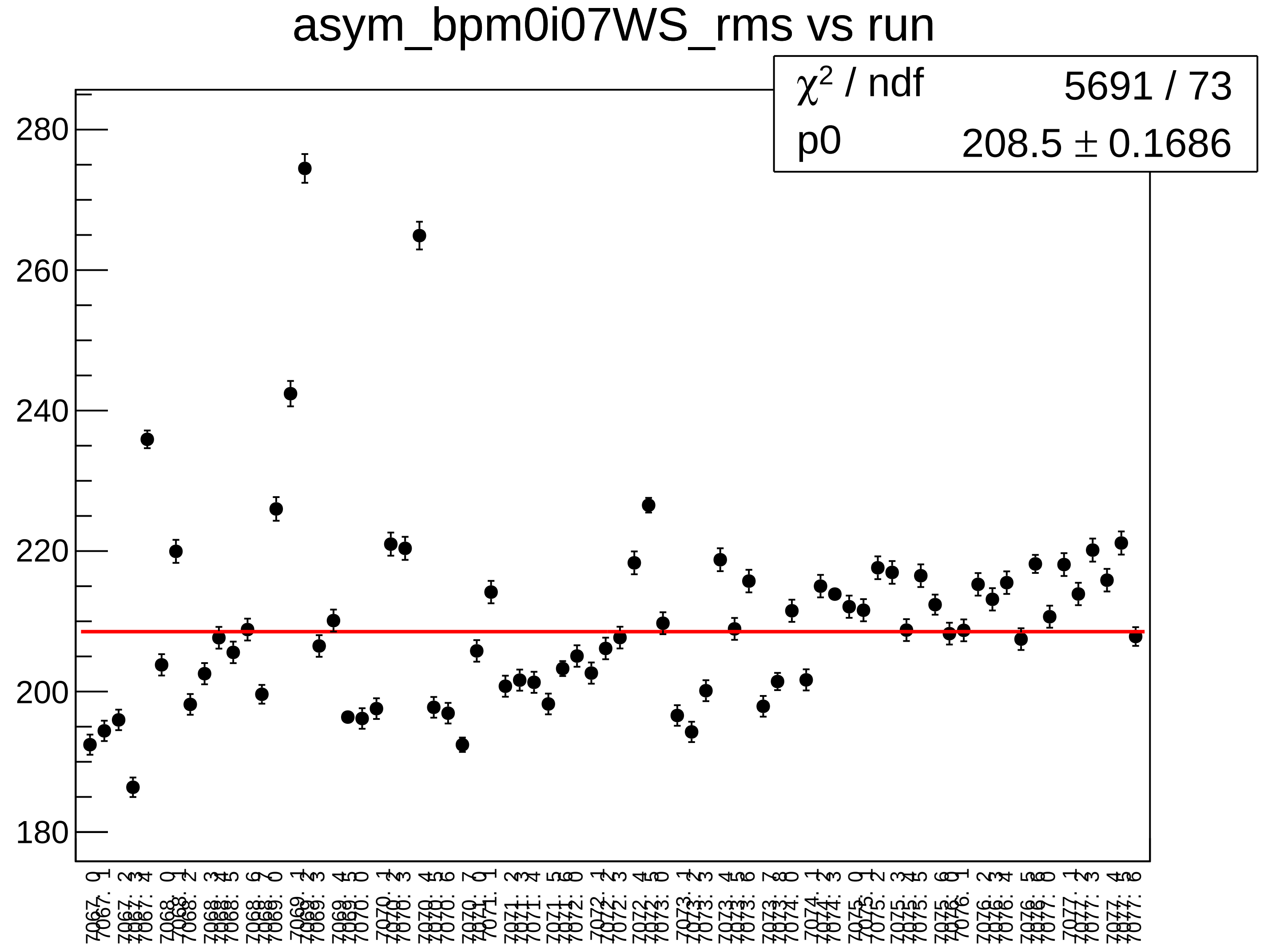


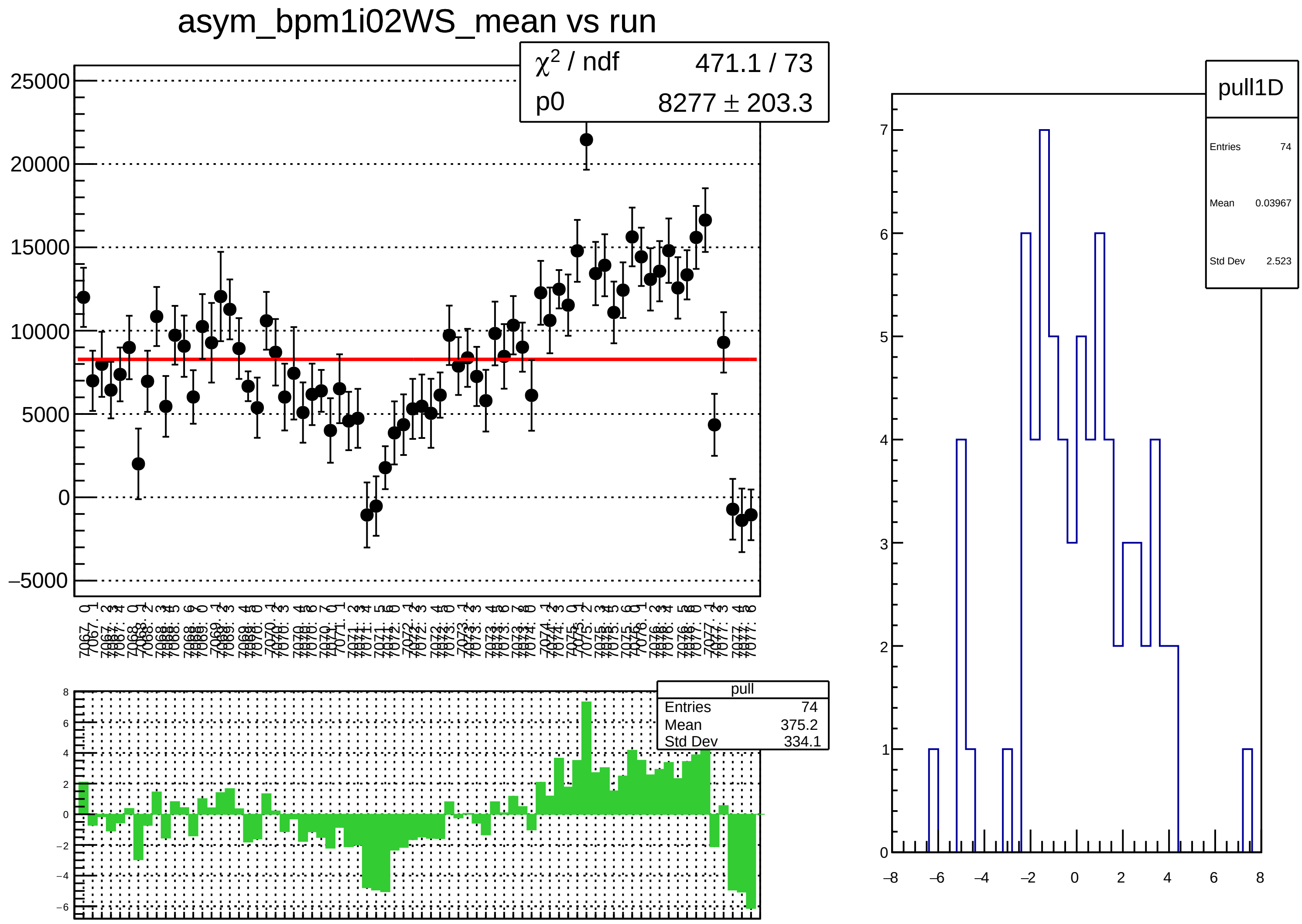
asym_bpm0i05WS_mean vs run
χ^2 / ndf 141.3 / 73
p0 −2226 ± 214.3
pull
Entries 74
Mean 220.3
Std Dev 152.6
pull1D
Entries 74
Mean 0.01022
Std Dev 1.382


asym_bpm0i05WS_rms vs run
χ^2 / ndf 7921 / 73
p0 187.3 ± 0.1515
260
240
220
200
180
160

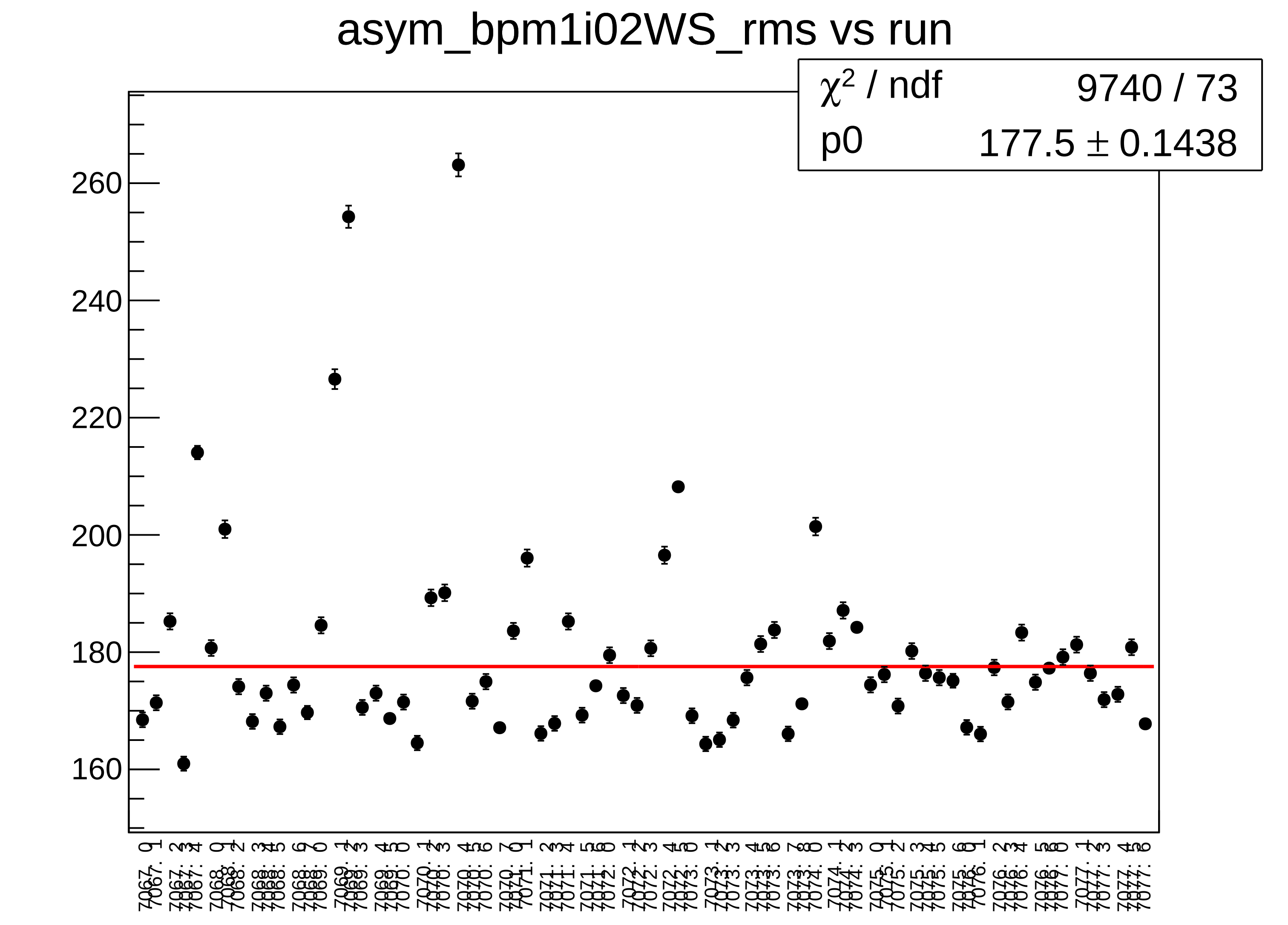


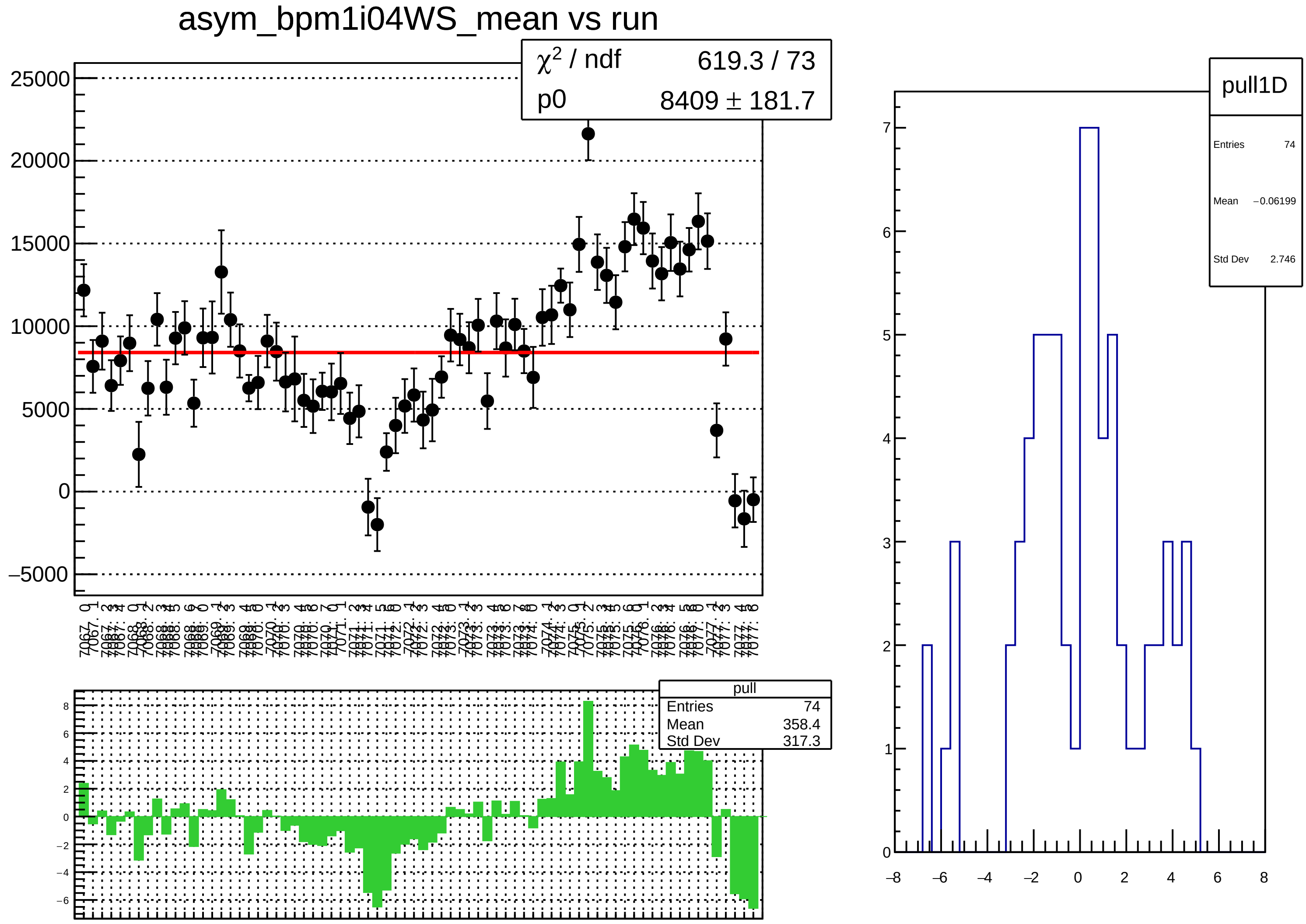
asym_bpm0i07WS_mean vs run
χ^2 / ndf 120.8 / 73
p0 −2184 ± 238.5
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean 214.1
Std Dev 155.5
pull1D
Entries 74
Mean 0.0127
Std Dev 1.278


asym_bpm0i07WS_rms vs run
χ^2 / ndf 5691 / 73
p0 208.5 ± 0.1686
280
260
240
220
200
180

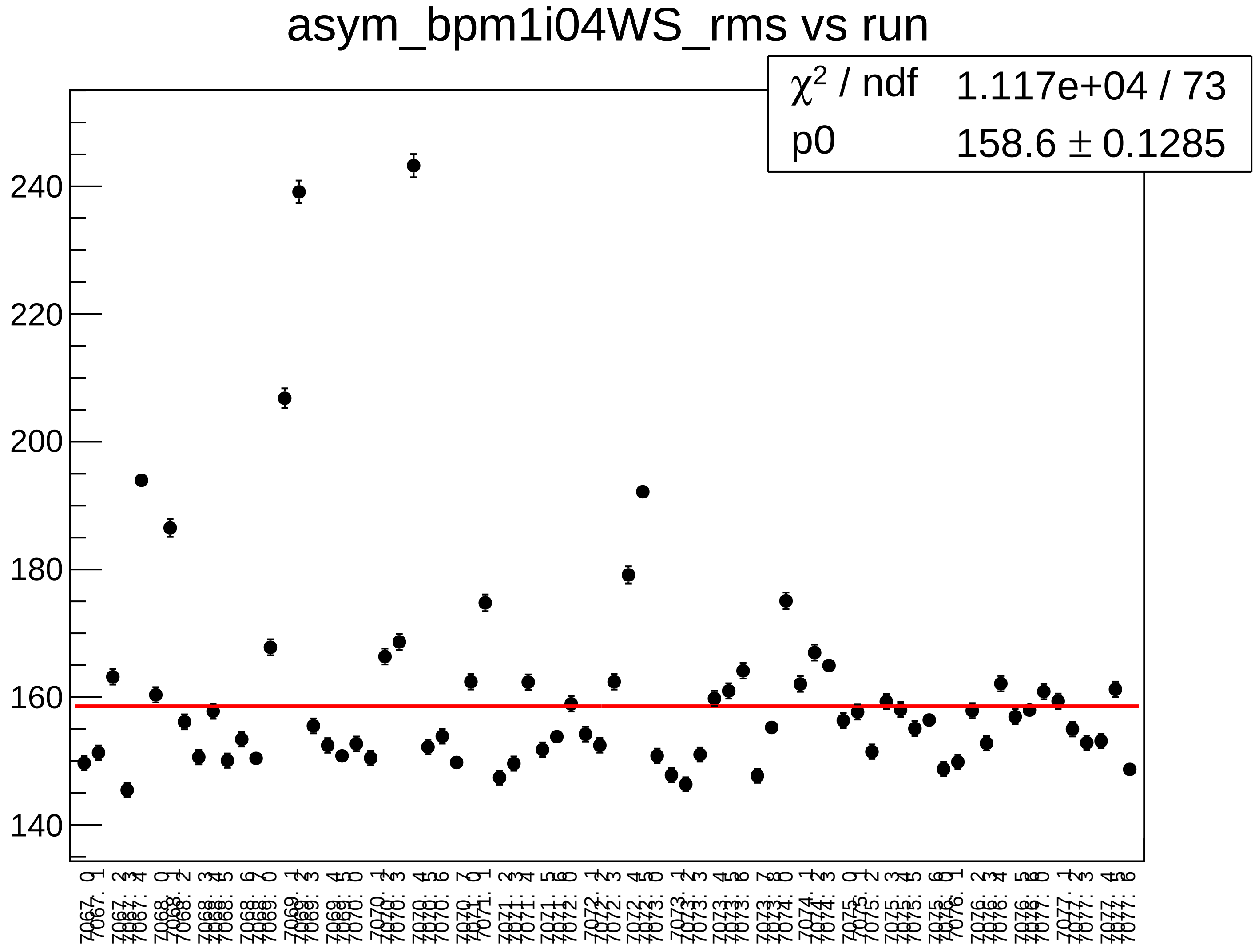


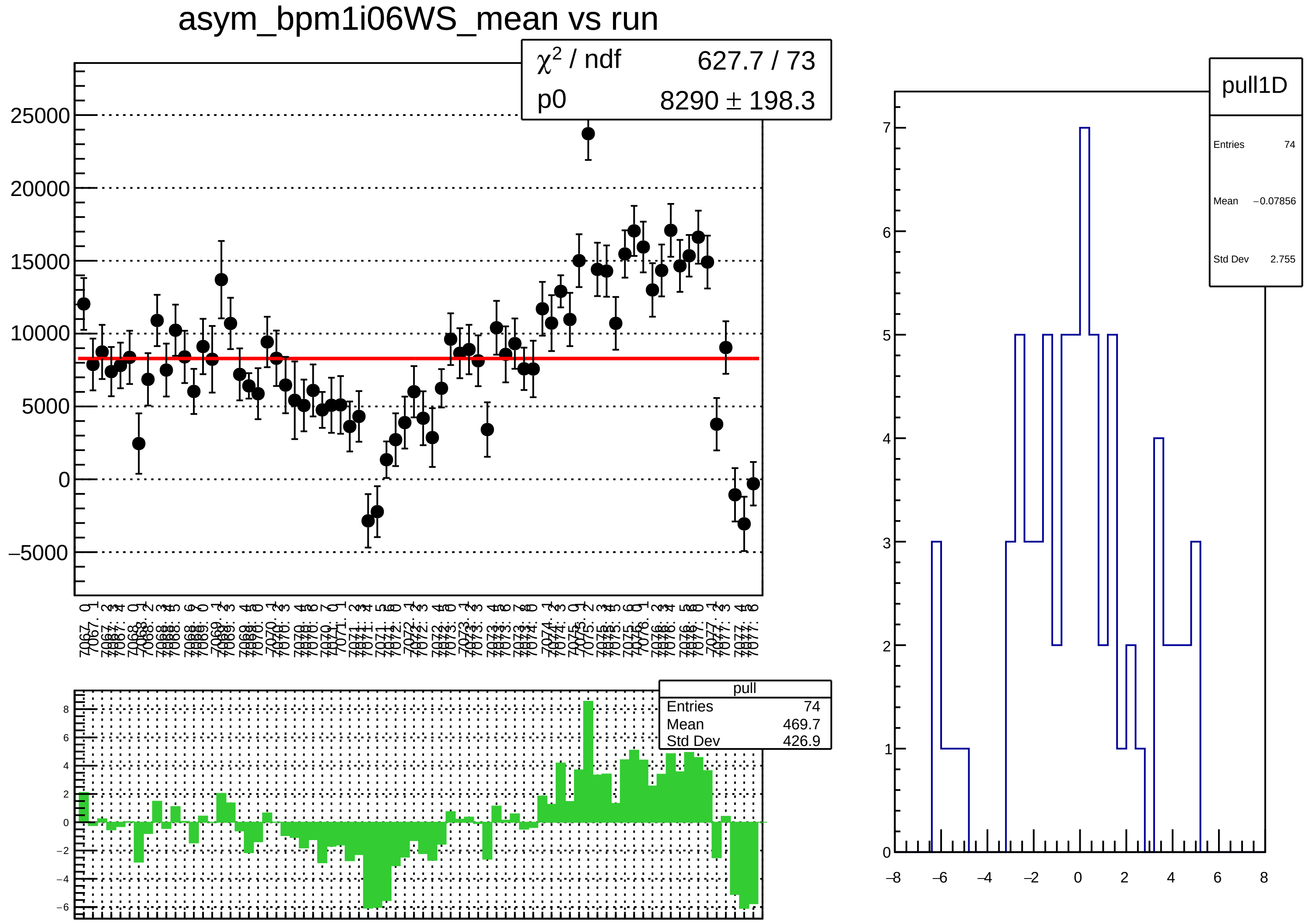
asym_bpm1i02WS_mean vs run
χ2 / ndf 471.1 / 73
p0 8277 ± 203.3
pull
Entries 74
Mean 375.2
Std Dev 334.1
pull1D
Entries 74
Mean 0.03967
Std Dev 2.523


asym_bpm1i02WS_rms vs run
χ^2 / ndf 9740 / 73
p0 177.5 ± 0.1438
260
240
220
200
180
160

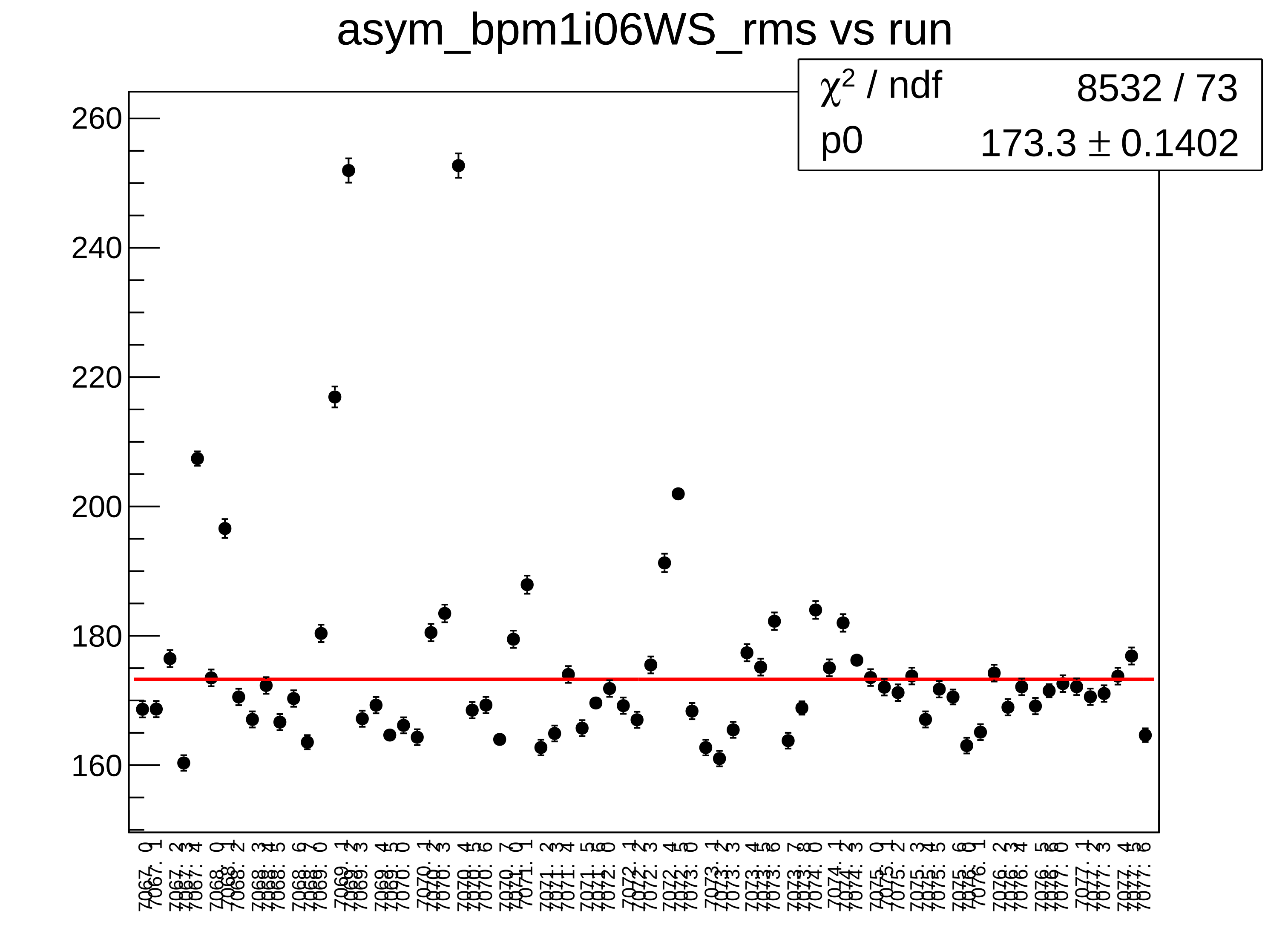


asym_bpm1i04WS_mean vs run
χ^2 / ndf 619.3 / 73
p0 8409 ± 181.7
pull
Entries 74
Mean 358.4
Std Dev 317.3
pull1D
Entries 74
Mean −0.06199
Std Dev 2.746

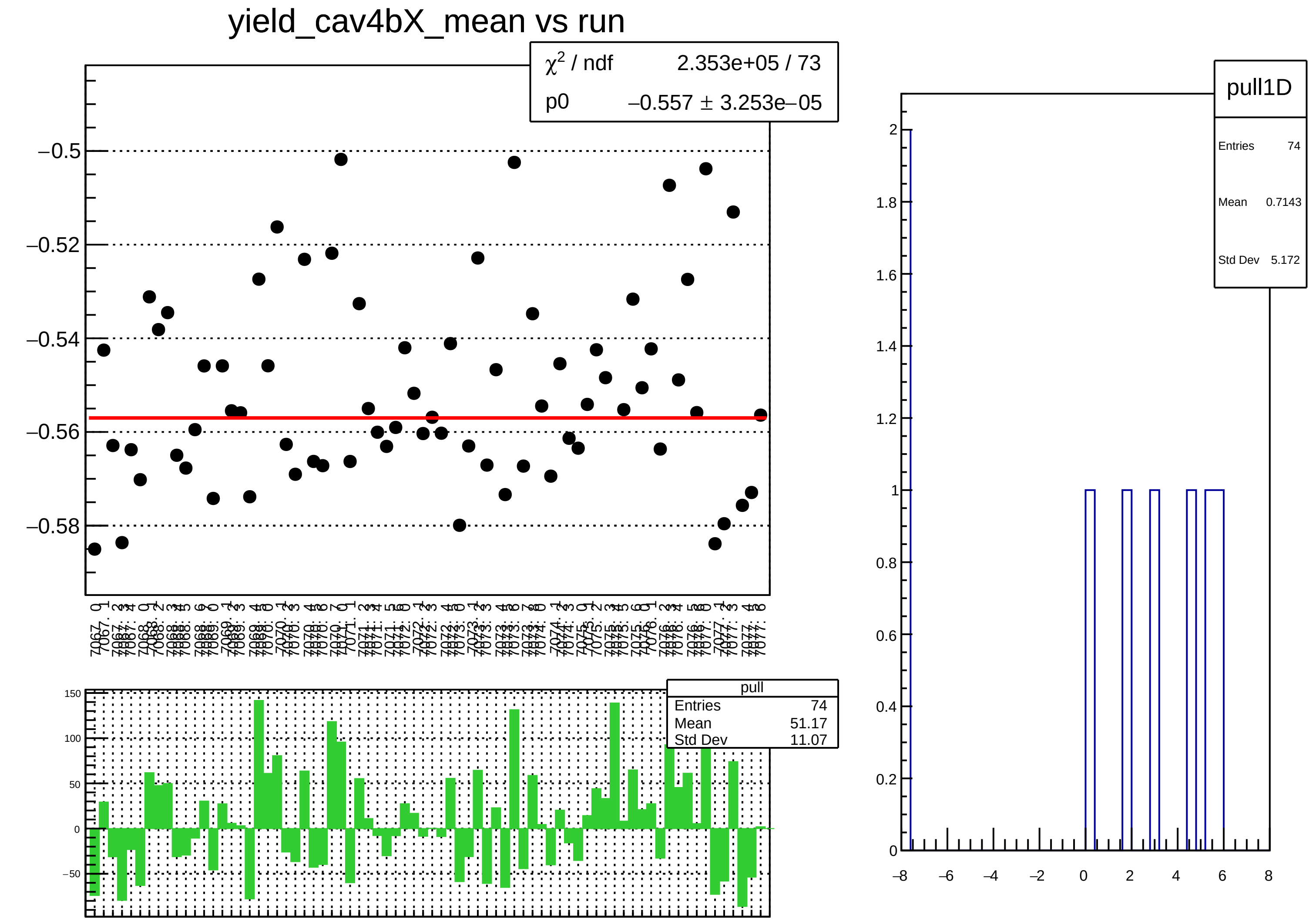

asym_bpm1i04WS_rms vs run
χ^2 / ndf 1.117e+04 / 73
p0 158.6 ± 0.1285
240
220
200
180
160
140

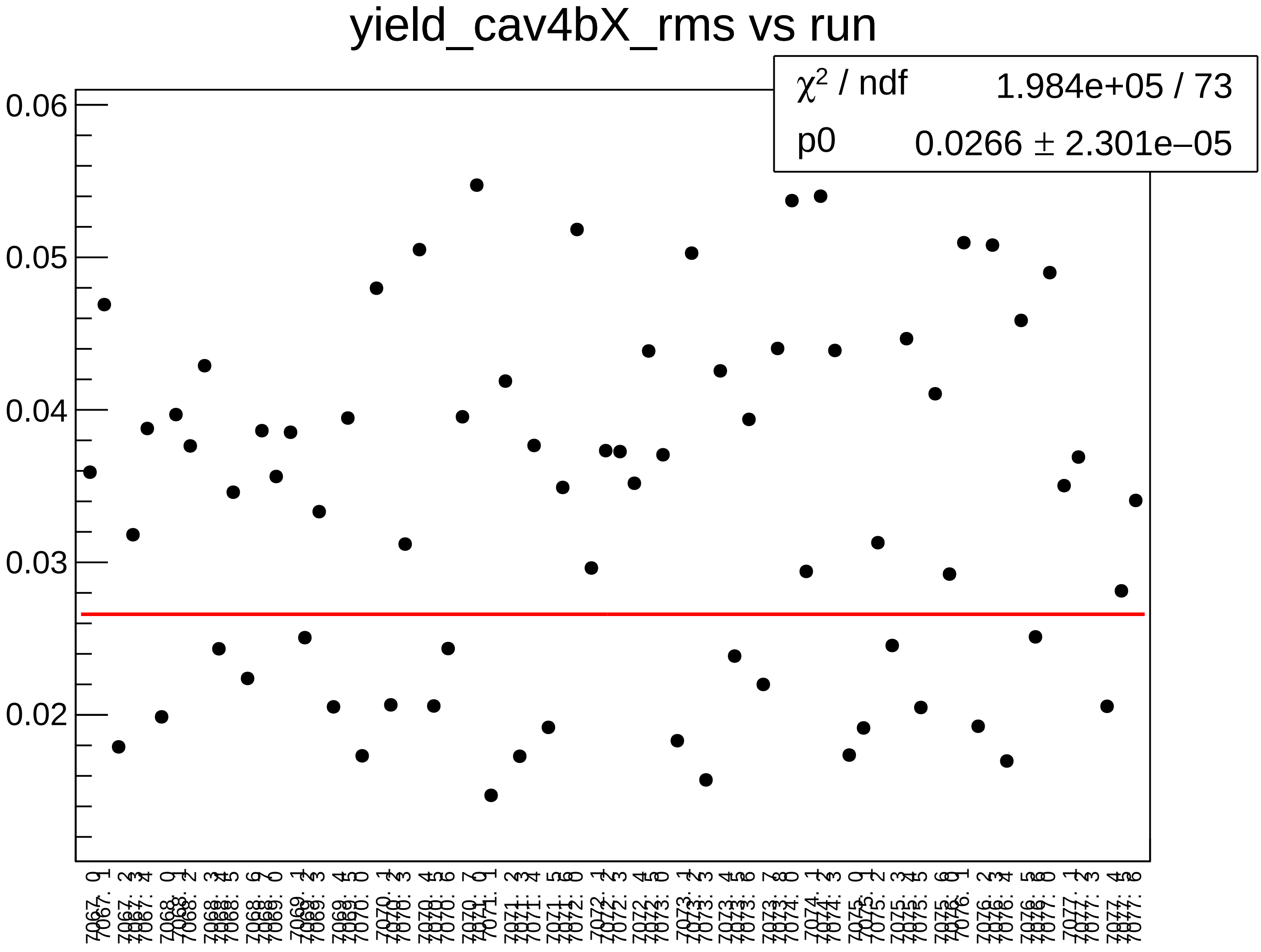


asym_bpm1i06WS_mean vs run
χ^2 / ndf 627.7 / 73
p0 8290 ± 198.3
pull
Entries 74
Mean 469.7
Std Dev 426.9
pull1D
Entries 74
Mean −0.07856
Std Dev 2.755

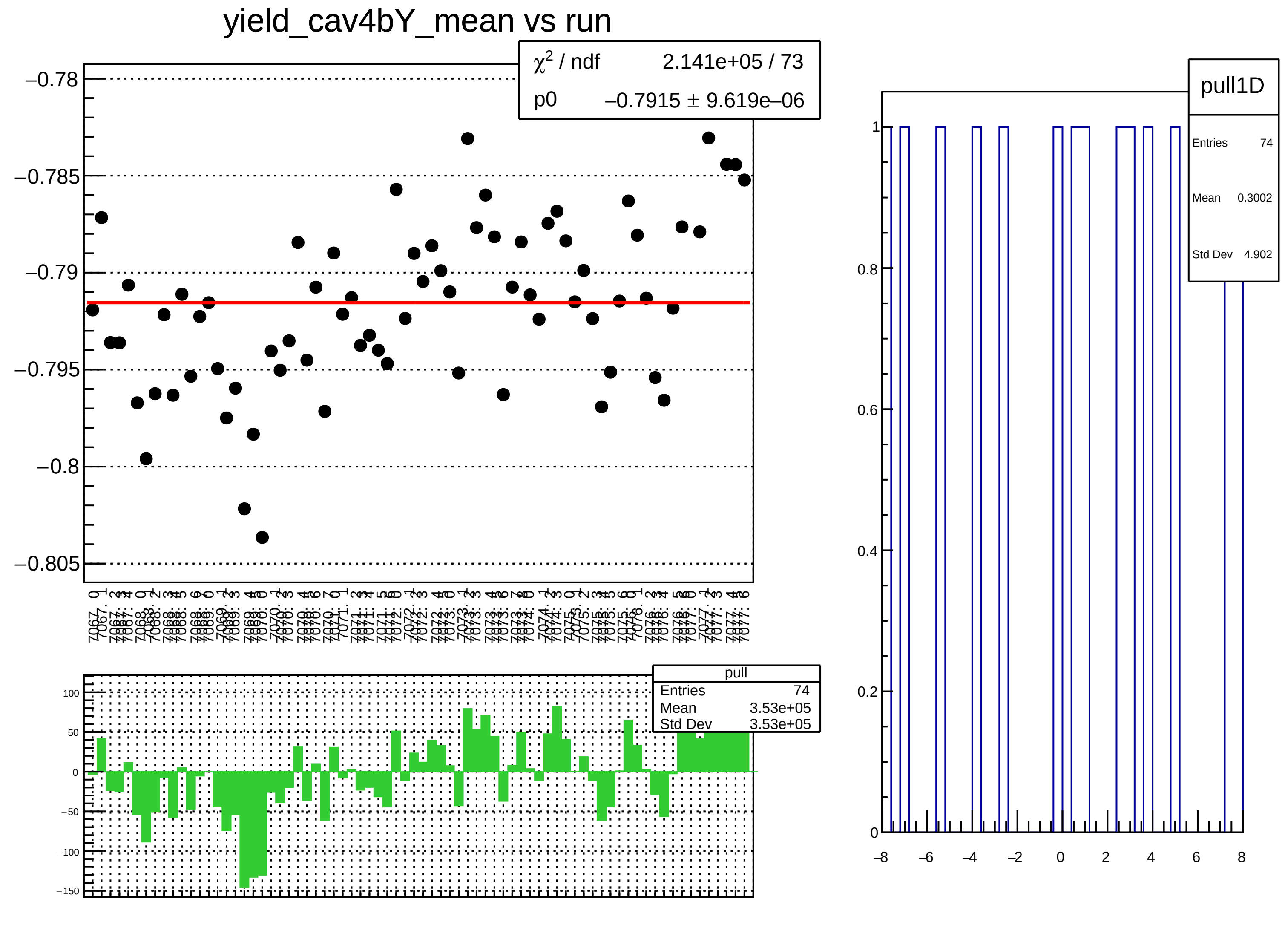


asym_bpm1i06WS_rms vs run
χ2 / ndf 8532 / 73
p0 173.3 ± 0.1402
260
240
220
200
180
160

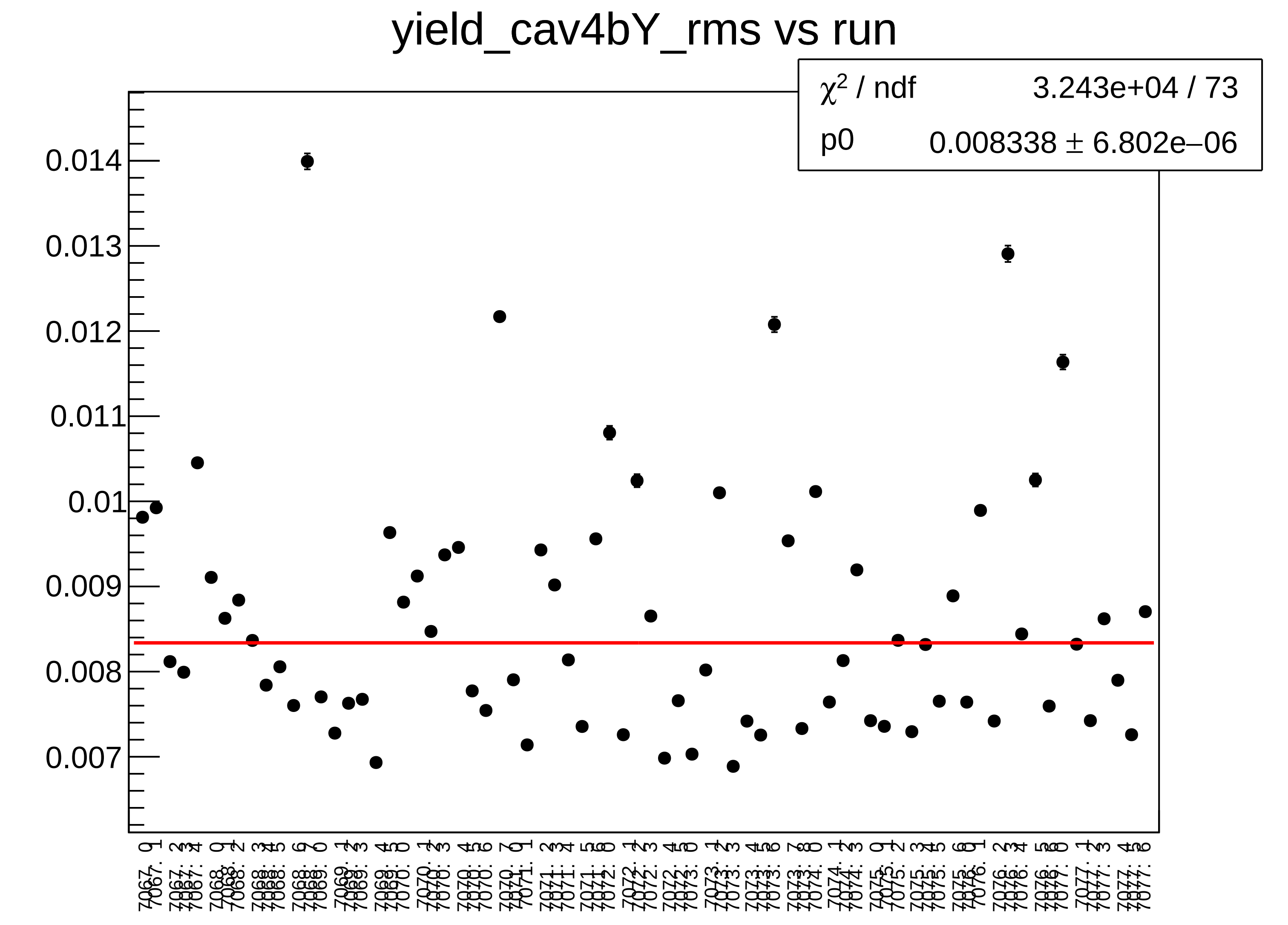

yield_cav4bX_mean vs run
χ^2 / ndf 2.353e+05 / 73
p0 −0.557 ± 3.253e−05
pull
Entries 74
Mean 51.17
Std Dev 11.07
pull1D
Entries 74
Mean 0.7143
Std Dev 5.172

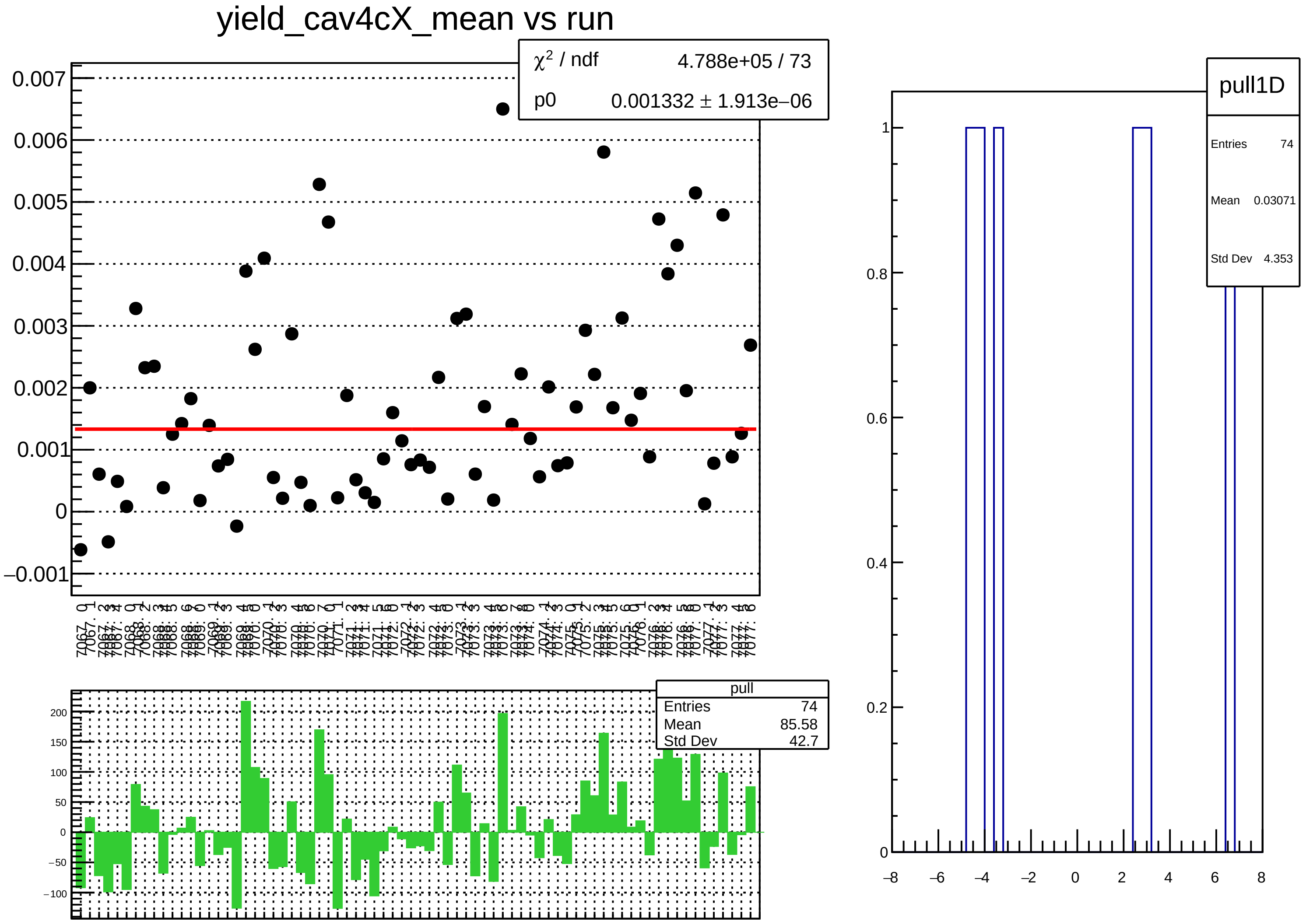


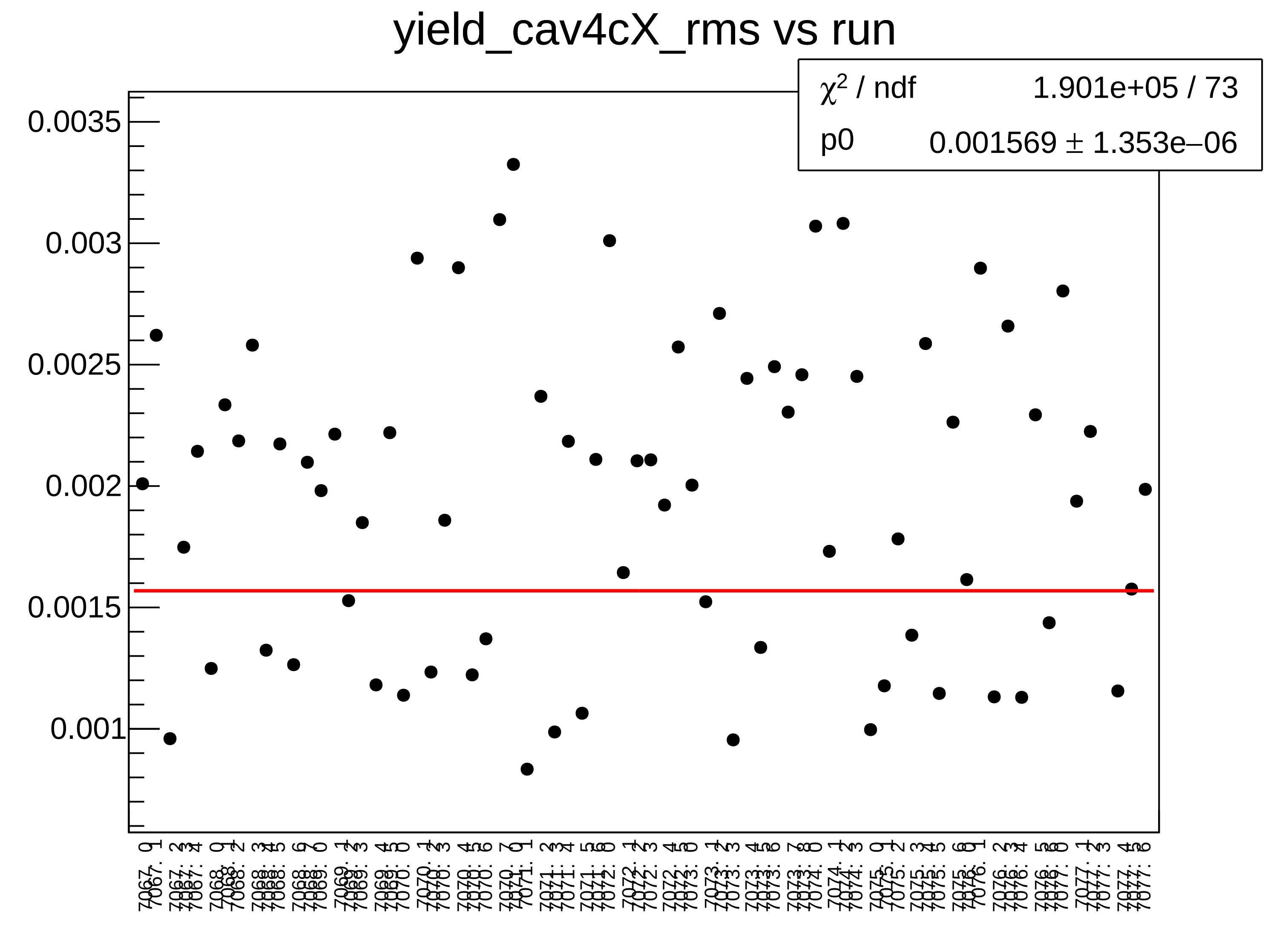
yield_cav4bX_rms vs run
χ^2 / ndf 1.984e+05 / 73
p0 0.0266 ± 2.301e−05
0.06
0.05
0.04
0.03
0.02

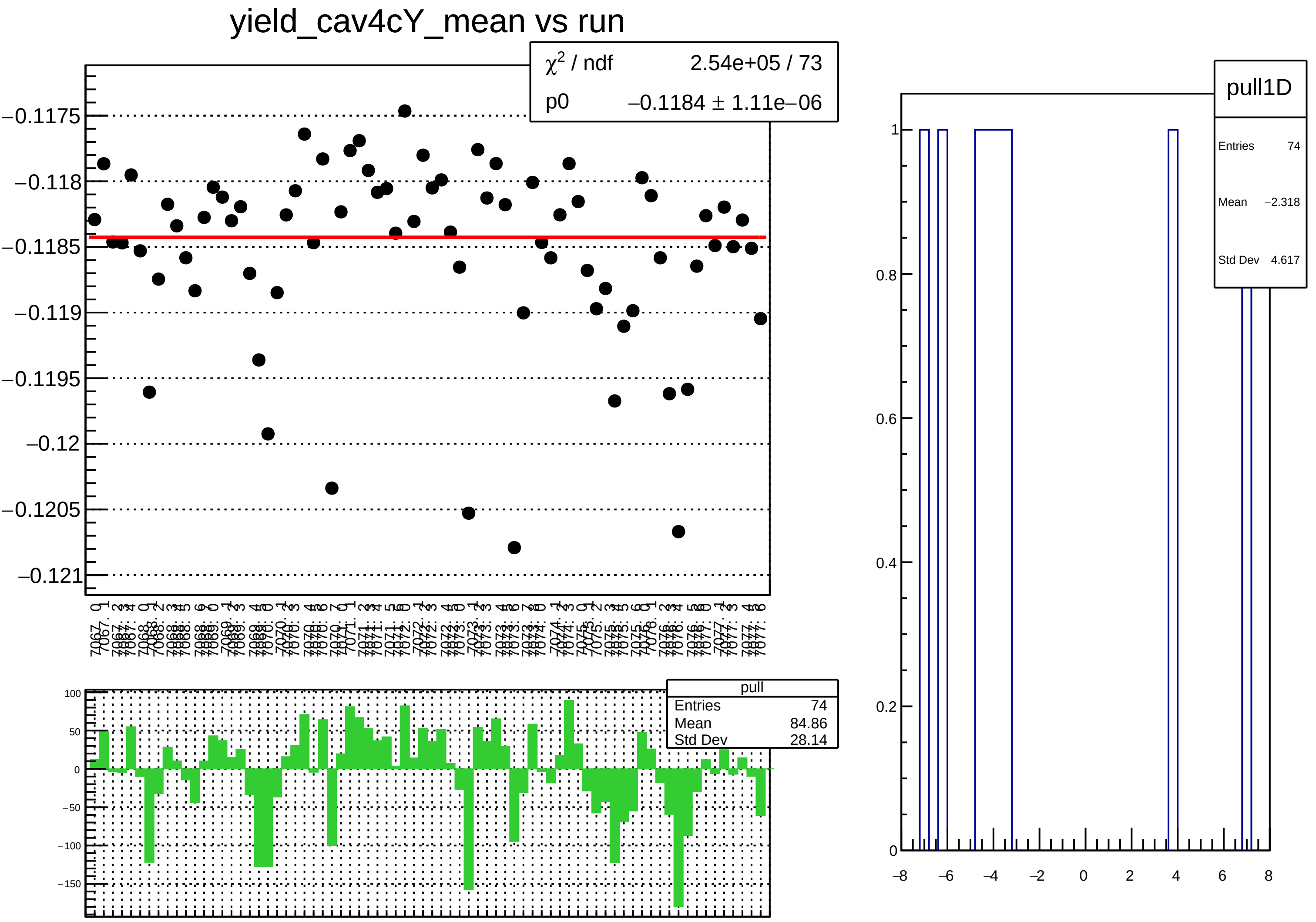


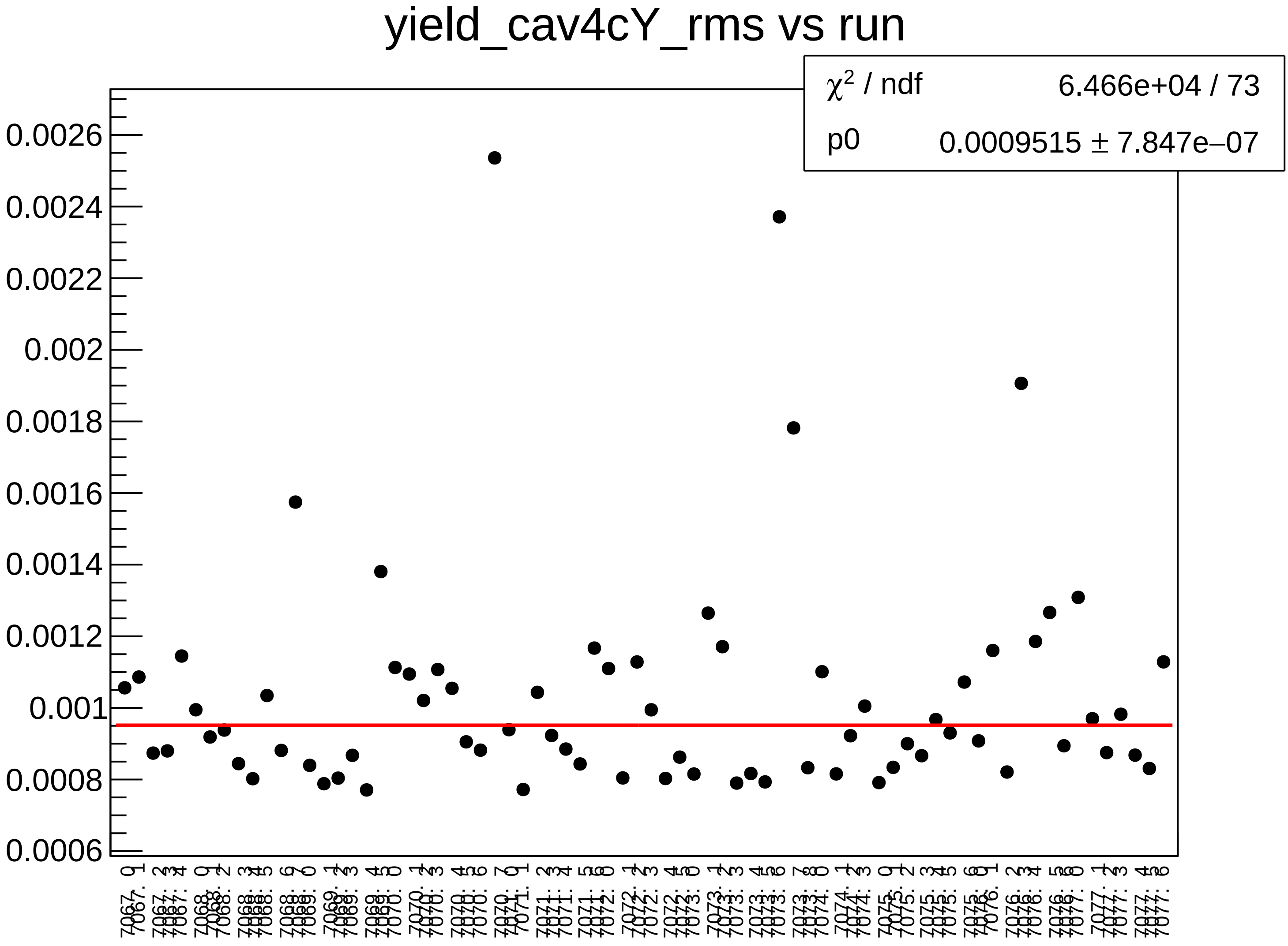
yield_cav4bY_mean vs run
χ^2 / ndf 2.141e+05 / 73
p0 −0.7915 ± 9.619e−06
pull
Entries 74
Mean 3.53e+05
Std Dev 3.53e+05
pull1D
Entries 74
Mean 0.3002
Std Dev 4.902


yield_cav4bY_rms vs run
χ2 / ndf 3.243e+04 / 73
p0 0.008338 ± 6.802e−06
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007

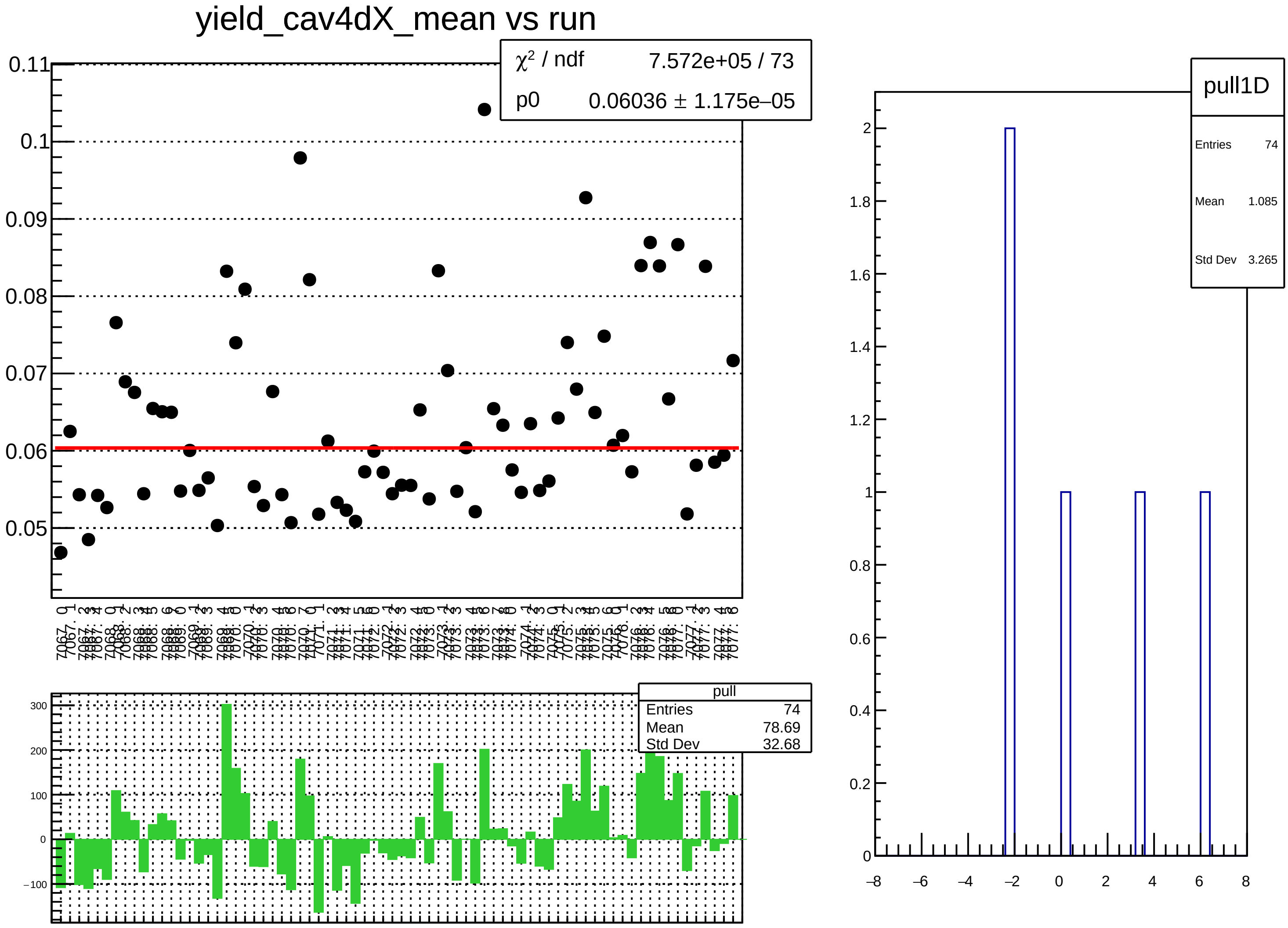

yield_cav4cX_mean vs run
χ² / ndf 4.788e+05 / 73
p0 0.001332 ± 1.913e−06
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
−0.001
pull
Entries 74
Mean 85.58
Std Dev 42.7
200
150
100
50
0
−50
−100
pull1D
Entries 74
Mean 0.03071
Std Dev 4.353
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

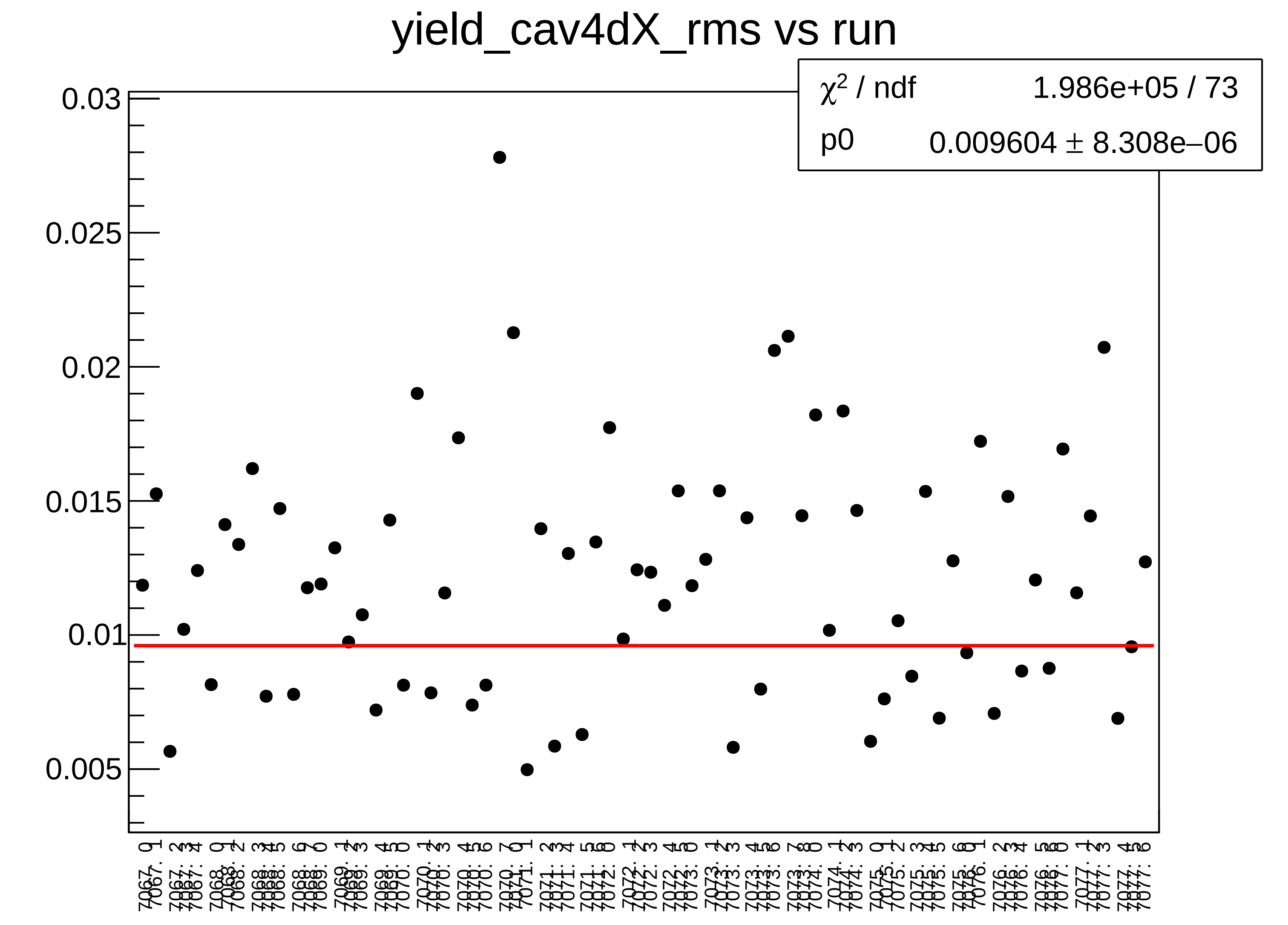

yield_cav4cX_rms vs run
χ^2 / ndf 1.901e+05 / 73
p0 0.001569 ± 1.353e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001

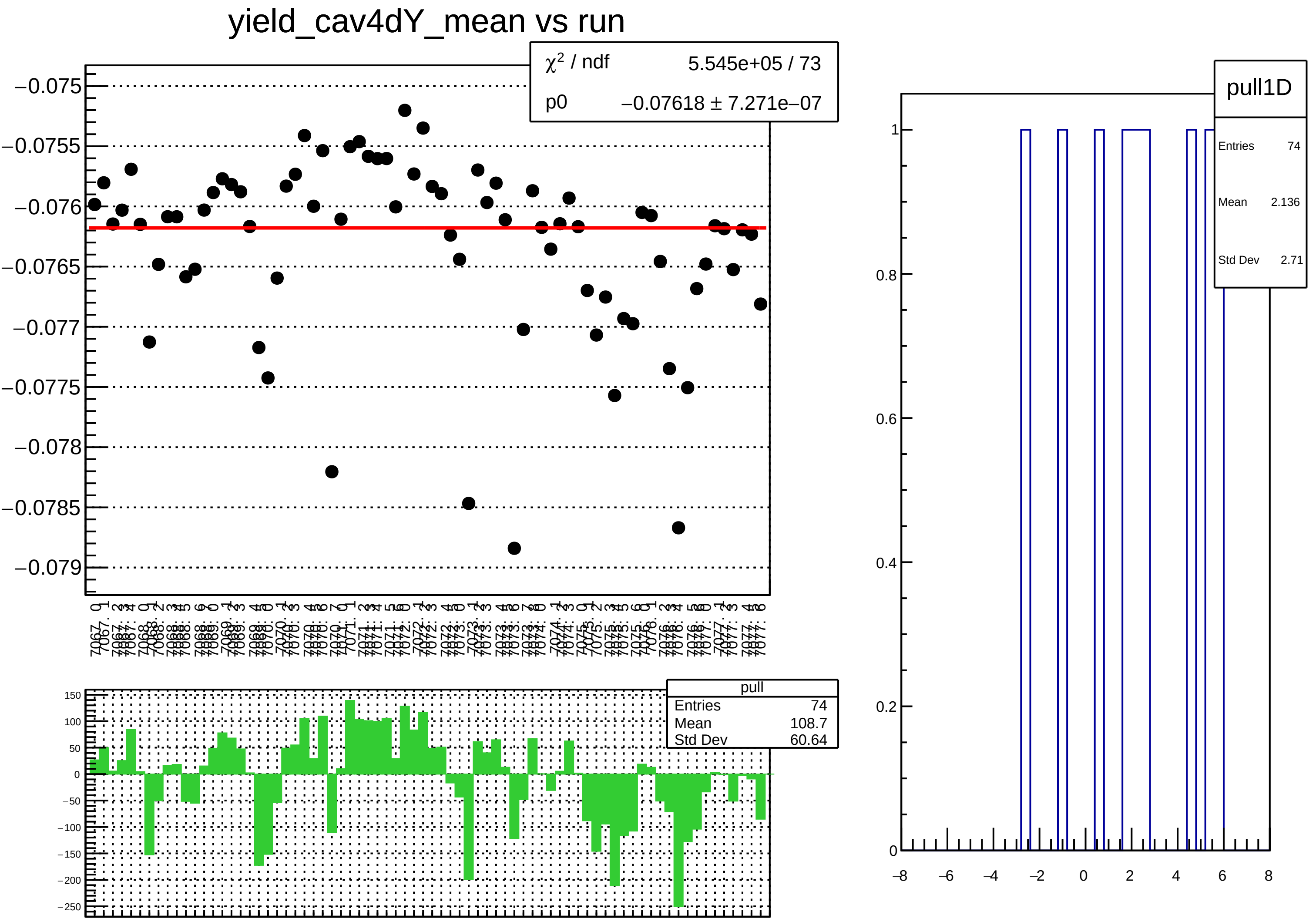

yield_cav4cY_mean vs run
χ^2 / ndf 2.54e+05 / 73
p0 −0.1184 ± 1.11e−06
pull
Entries 74
Mean 84.86
Std Dev 28.14
pull1D
Entries 74
Mean −2.318
Std Dev 4.617

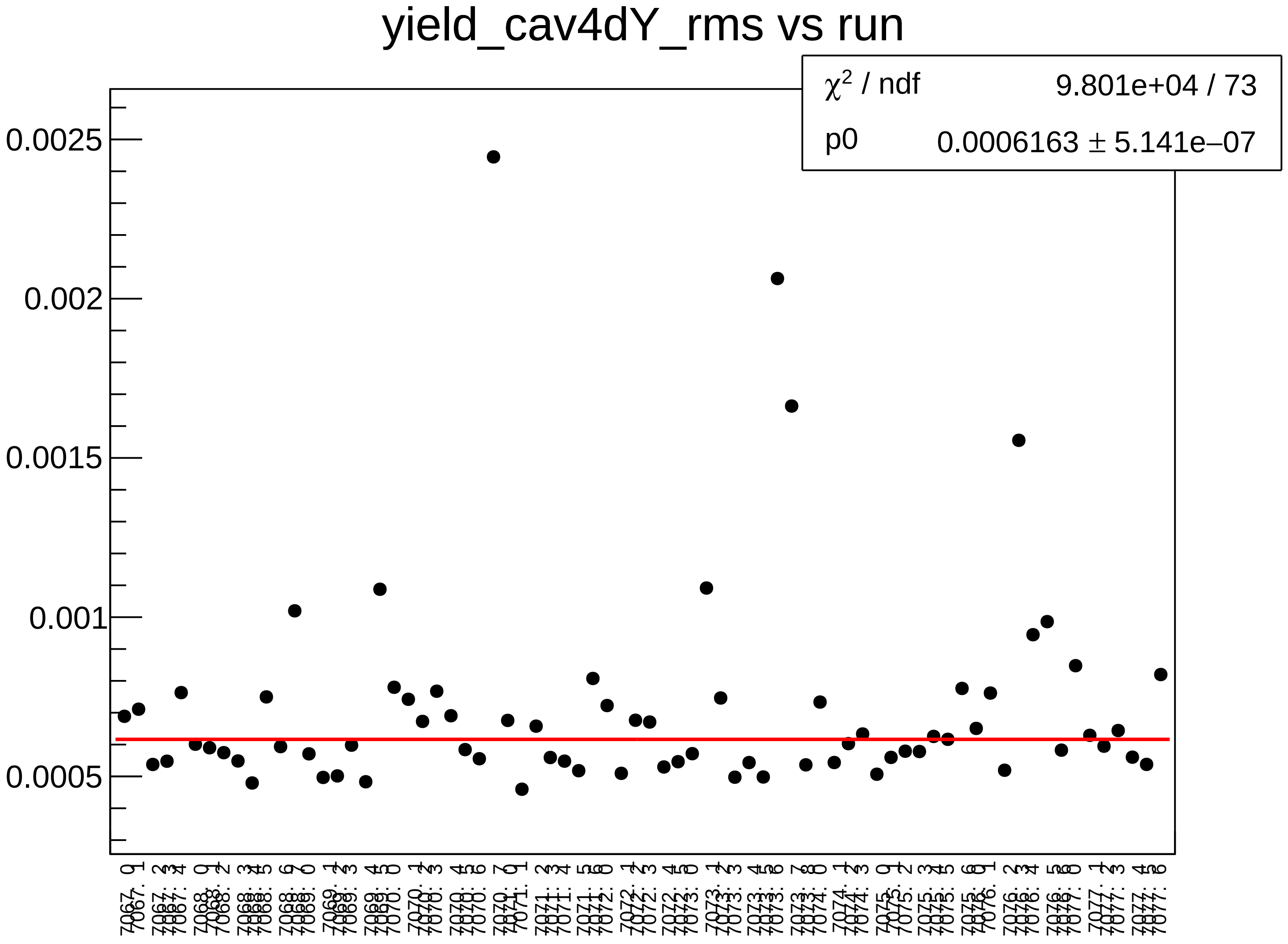


yield_cav4cY_rms vs run
χ^2 / ndf 6.466e+04 / 73
p0 0.0009515 ± 7.847e−07
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006

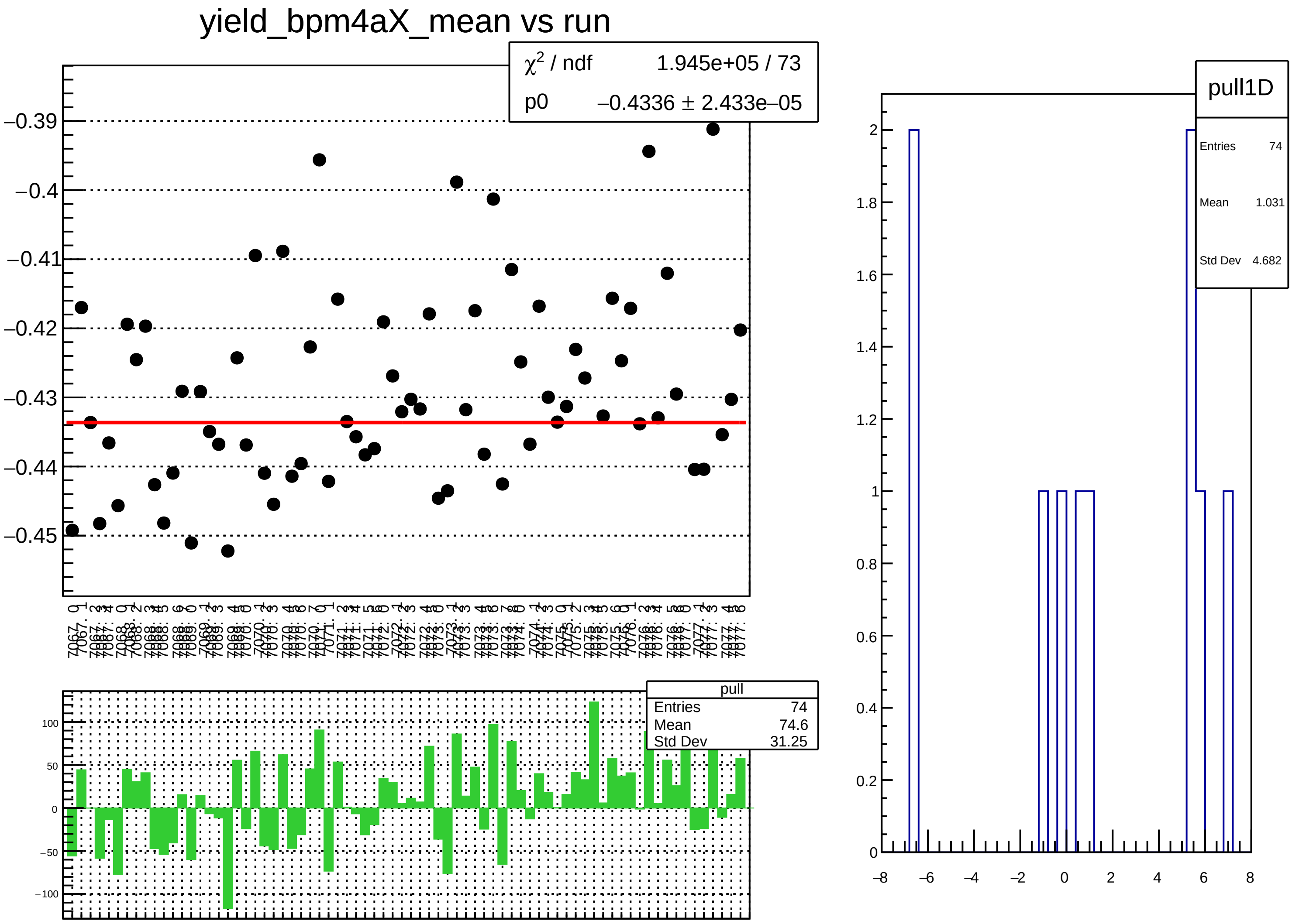

yield_cav4dX_mean vs run
χ^2 / ndf 7.572e+05 / 73
p0 0.06036 ± 1.175e−05
pull
Entries 74
Mean 78.69
Std Dev 32.68
pull1D
Entries 74
Mean 1.085
Std Dev 3.265

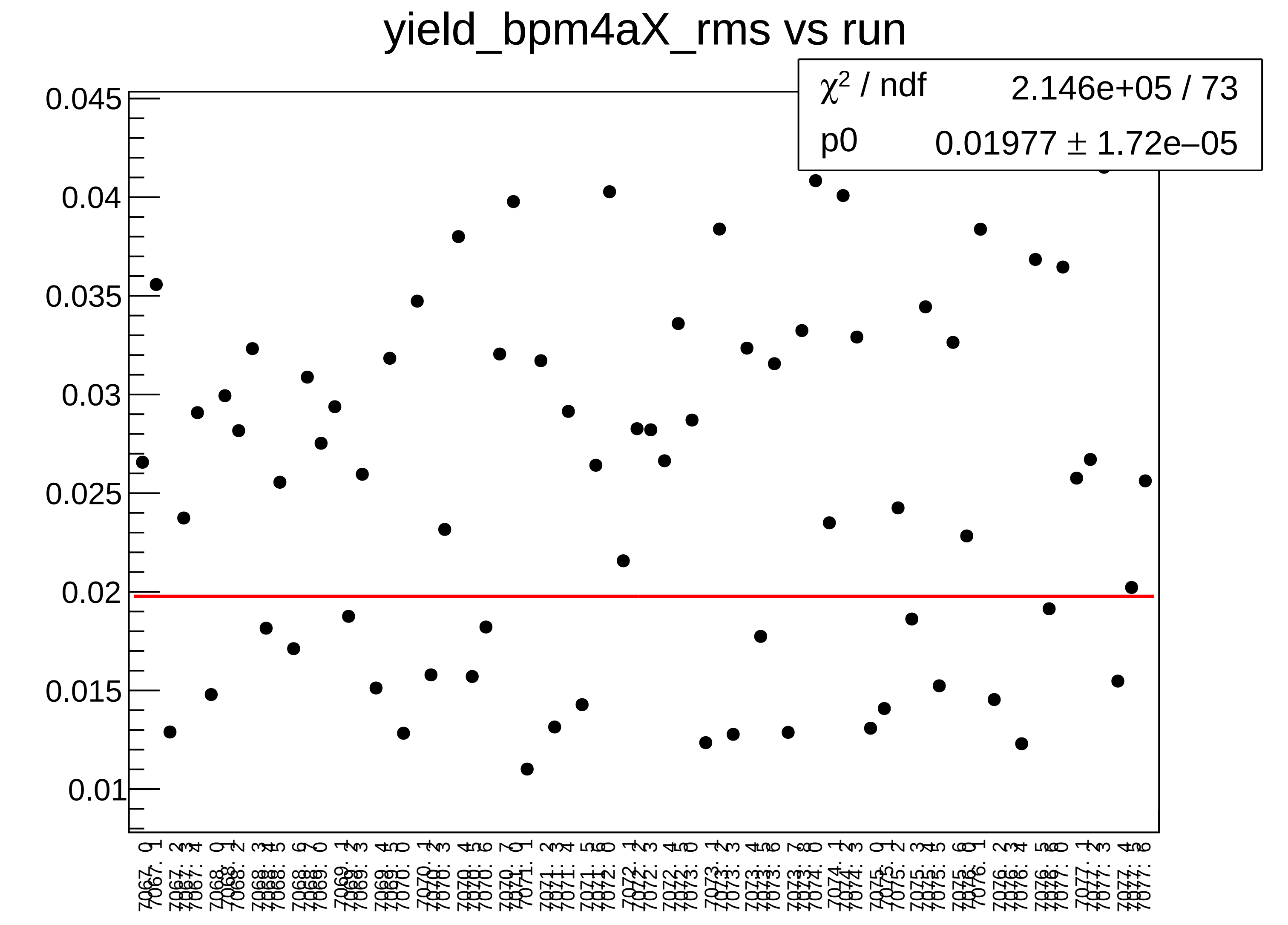

yield_cav4dX_rms vs run
χ2 / ndf 1.986e+05 / 73
p0 0.009604 ± 8.308e−06
0.03
0.025
0.02
0.015
0.01
0.005

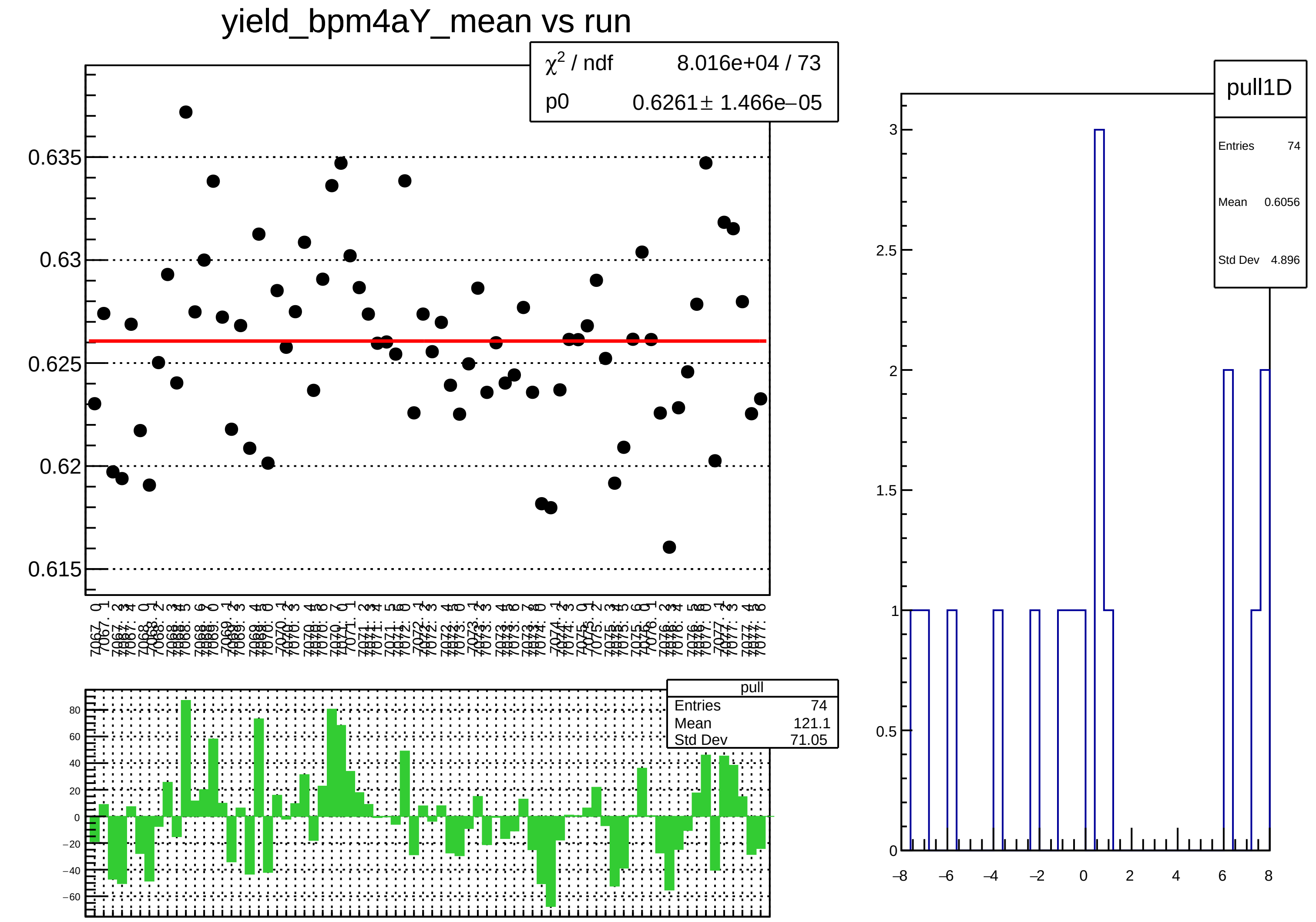

yield_cav4dY_mean vs run
χ2 / ndf 5.545e+05 / 73
p0 −0.07618 ± 7.271e−07
pull
Entries 74
Mean 108.7
Std Dev 60.64
pull1D
Entries 74
Mean 2.136
Std Dev 2.71



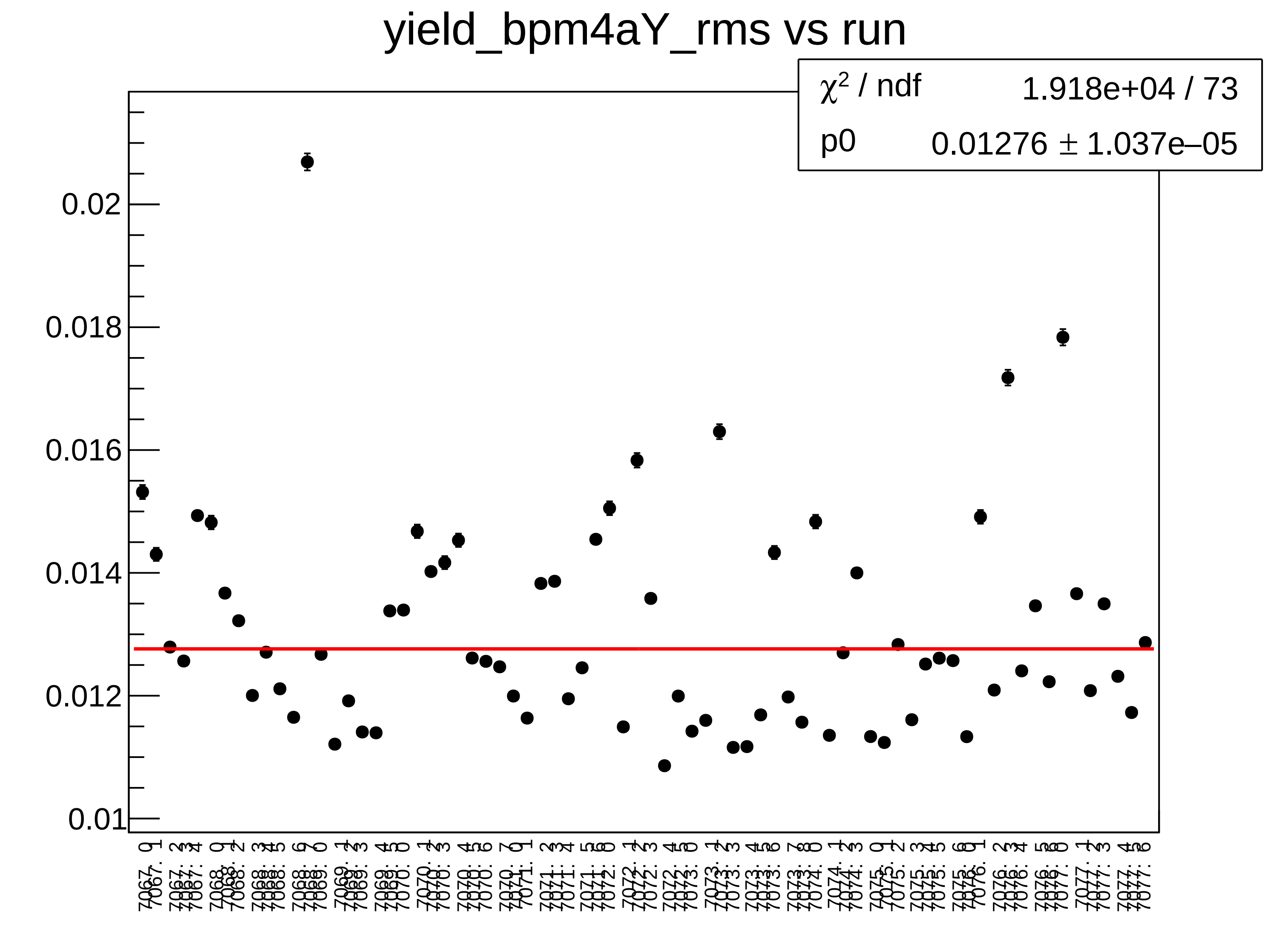
yield_cav4dY_rms vs run
χ^2 / ndf 9.801e+04 / 73
p0 0.0006163 ± 5.141e−07
0.0025
0.002
0.0015
0.001
0.0005


yield_bpm4aX_mean vs run
χ^2 / ndf 1.945e+05 / 73
p0 −0.4336 ± 2.433e−05
pull
Entries 74
Mean 74.6
Std Dev 31.25
pull1D
Entries 74
Mean 1.031
Std Dev 4.682

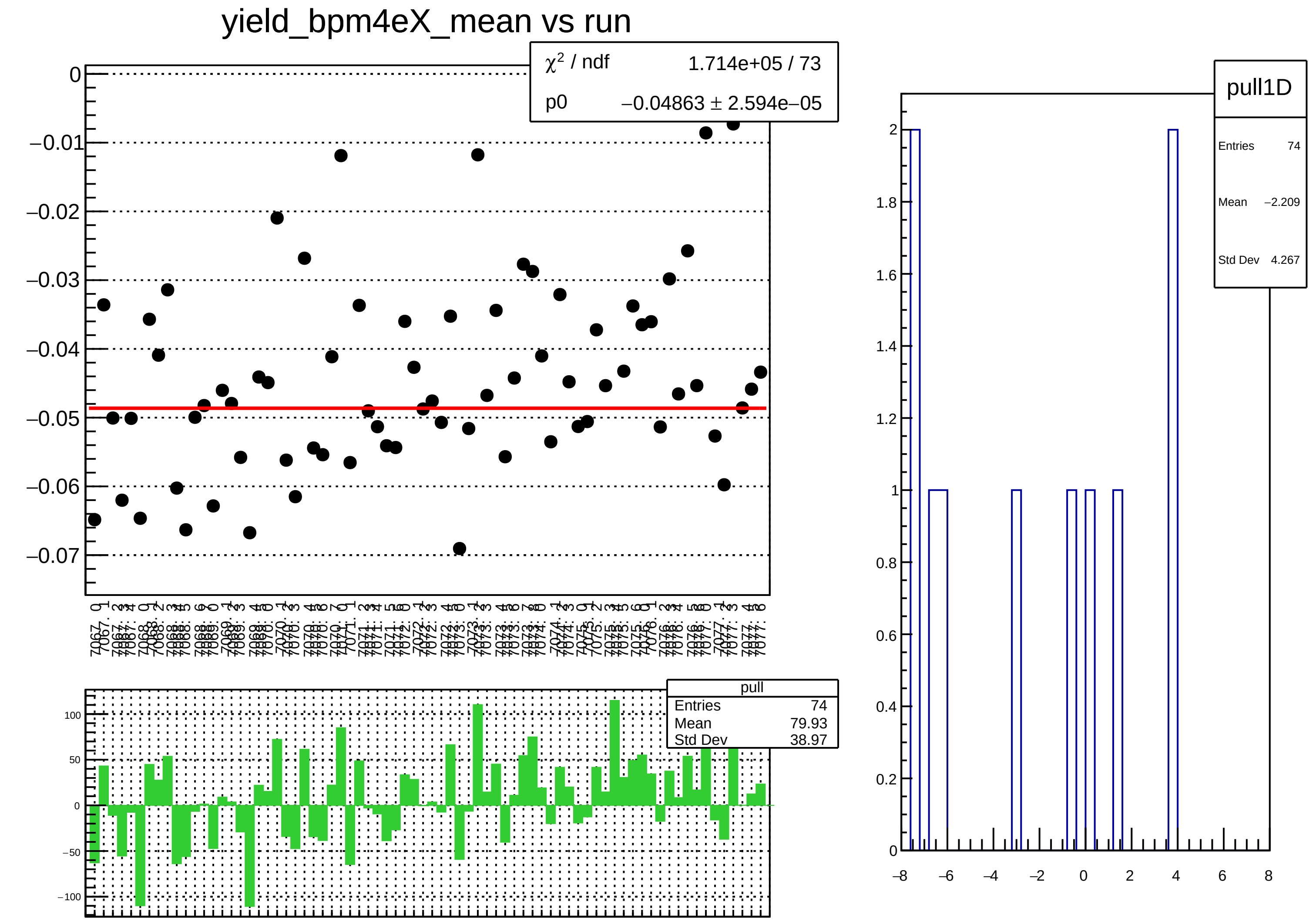

yield_bpm4aX_rms vs run
χ^2 / ndf 2.146e+05 / 73
p0 0.01977 ± 1.72e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

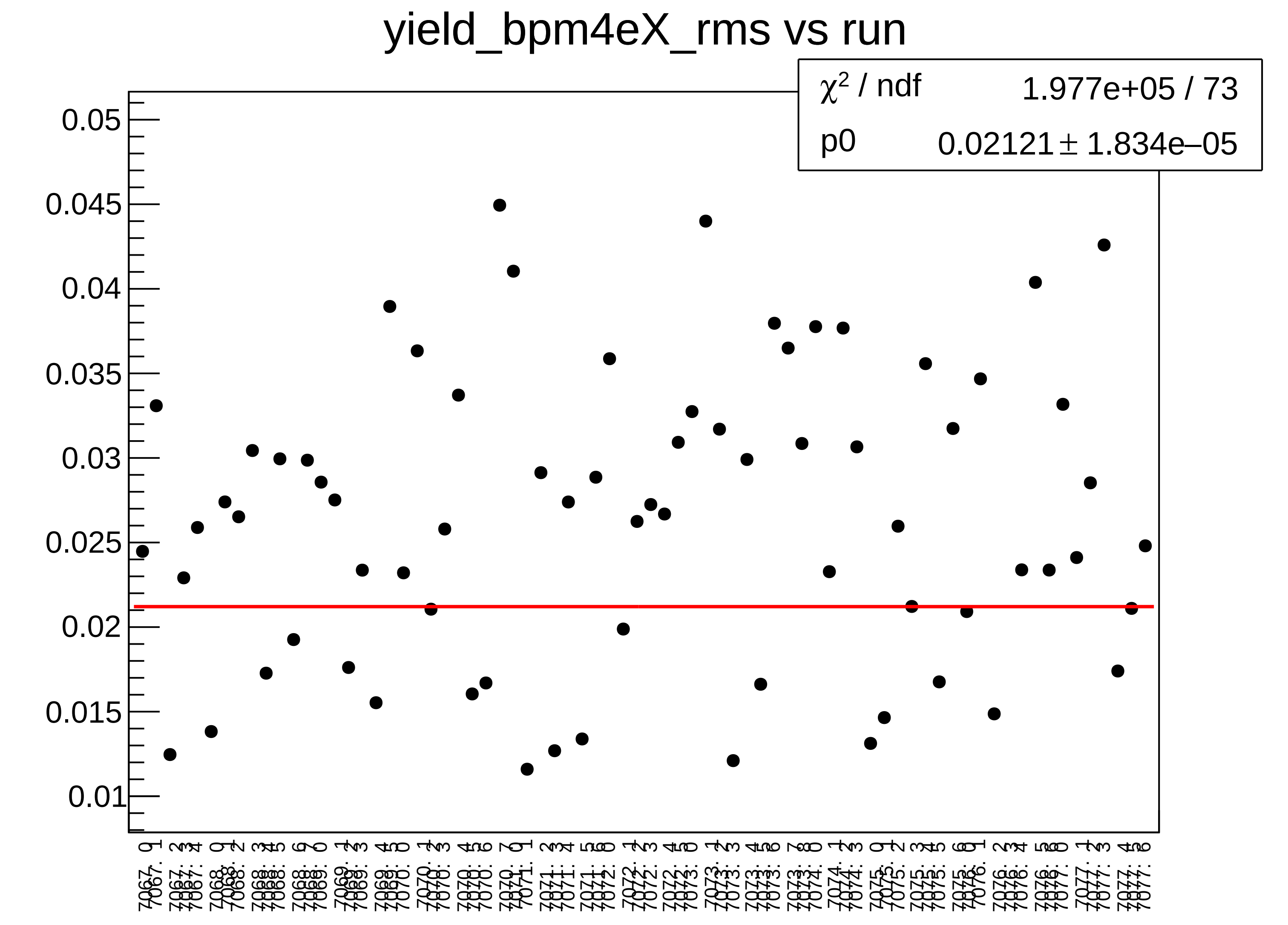


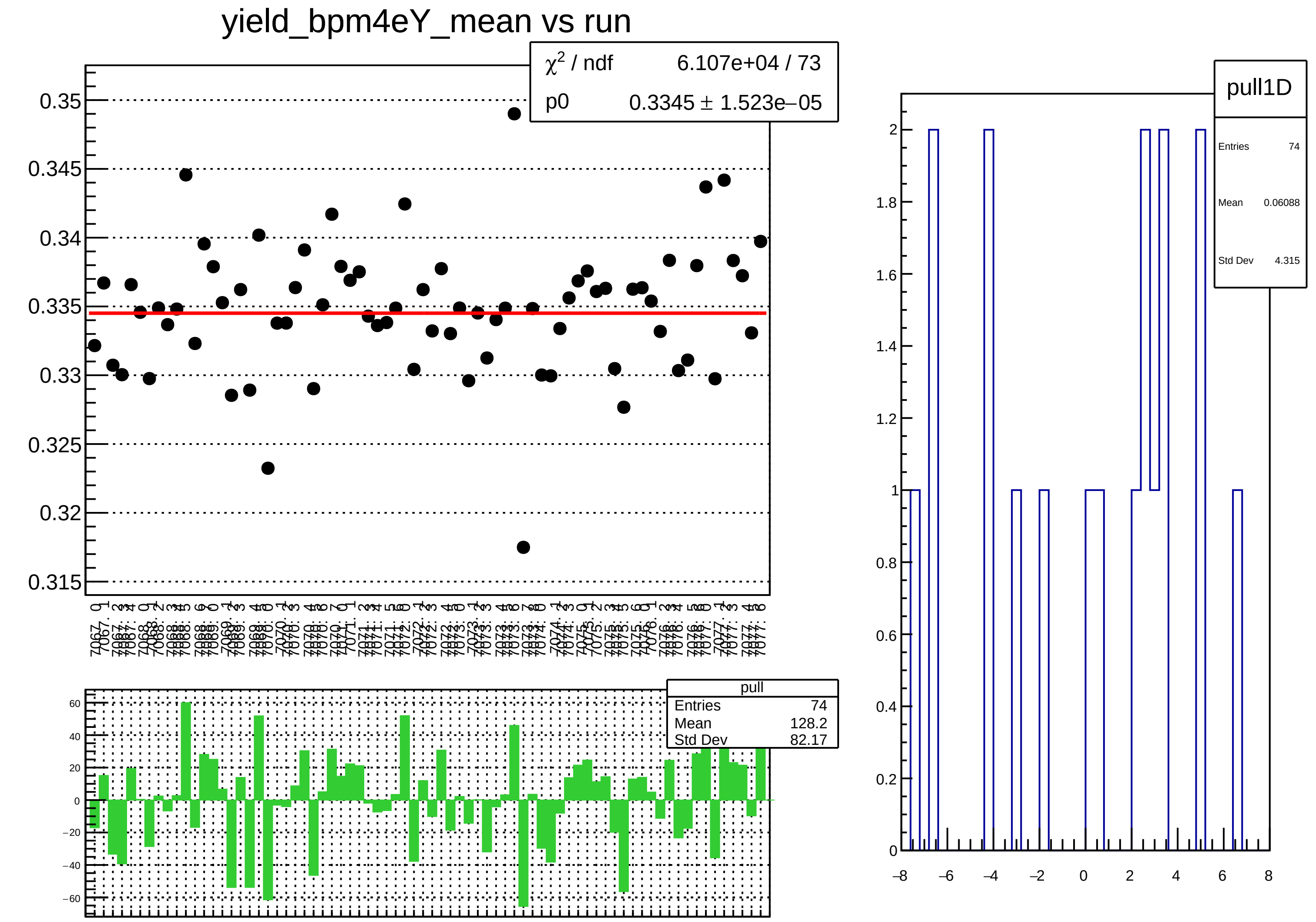
yield_bpm4aY_mean vs run
χ^2 / ndf 8.016e+04 / 73
p0 0.6261 ± 1.466e−05
0.635
0.63
0.625
0.62
0.615
pull
Entries 74
Mean 121.1
Std Dev 71.05
80
60
40
20
0
−20
−40
−60
pull1D
Entries 74
Mean 0.6056
Std Dev 4.896
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

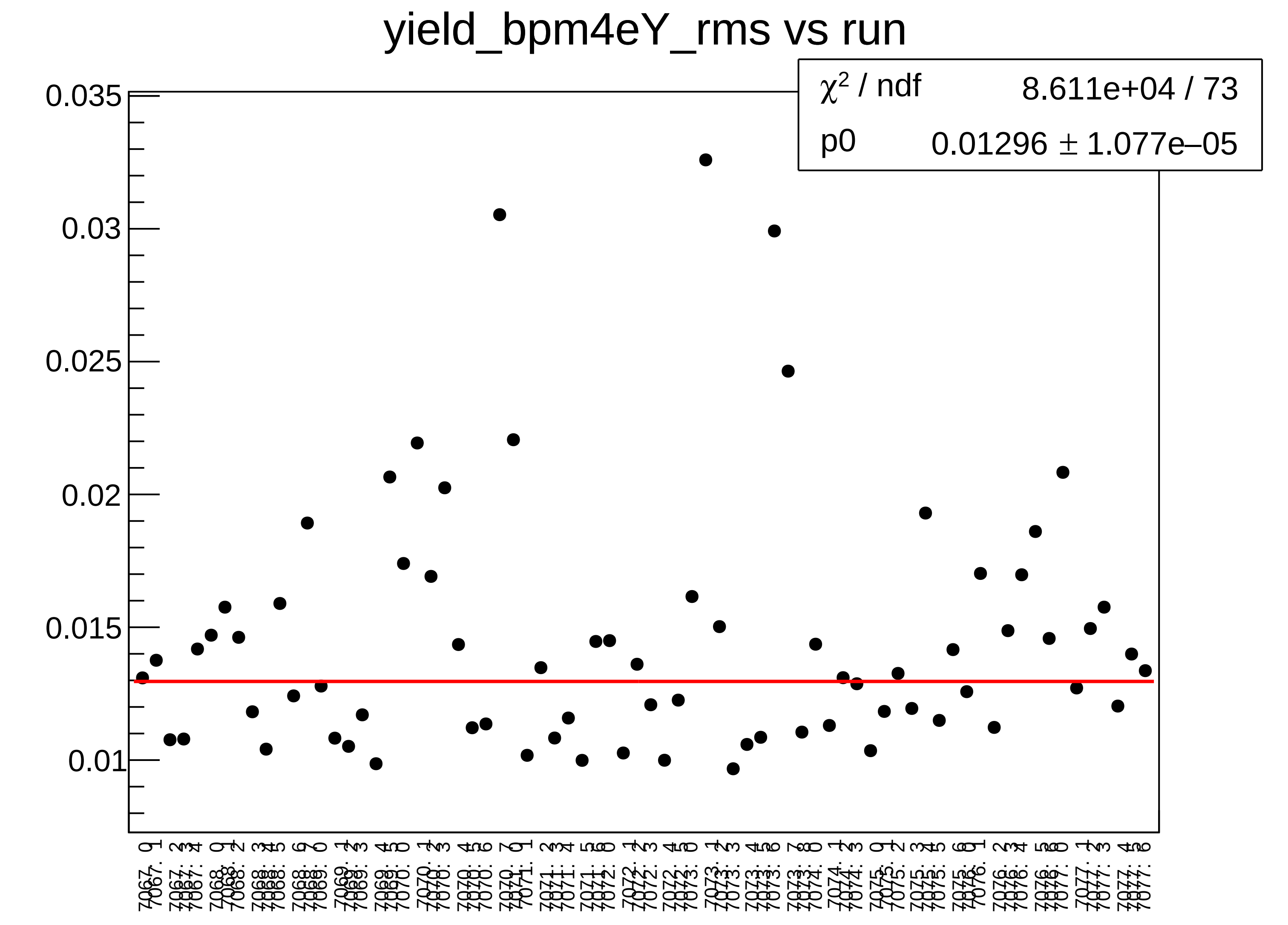


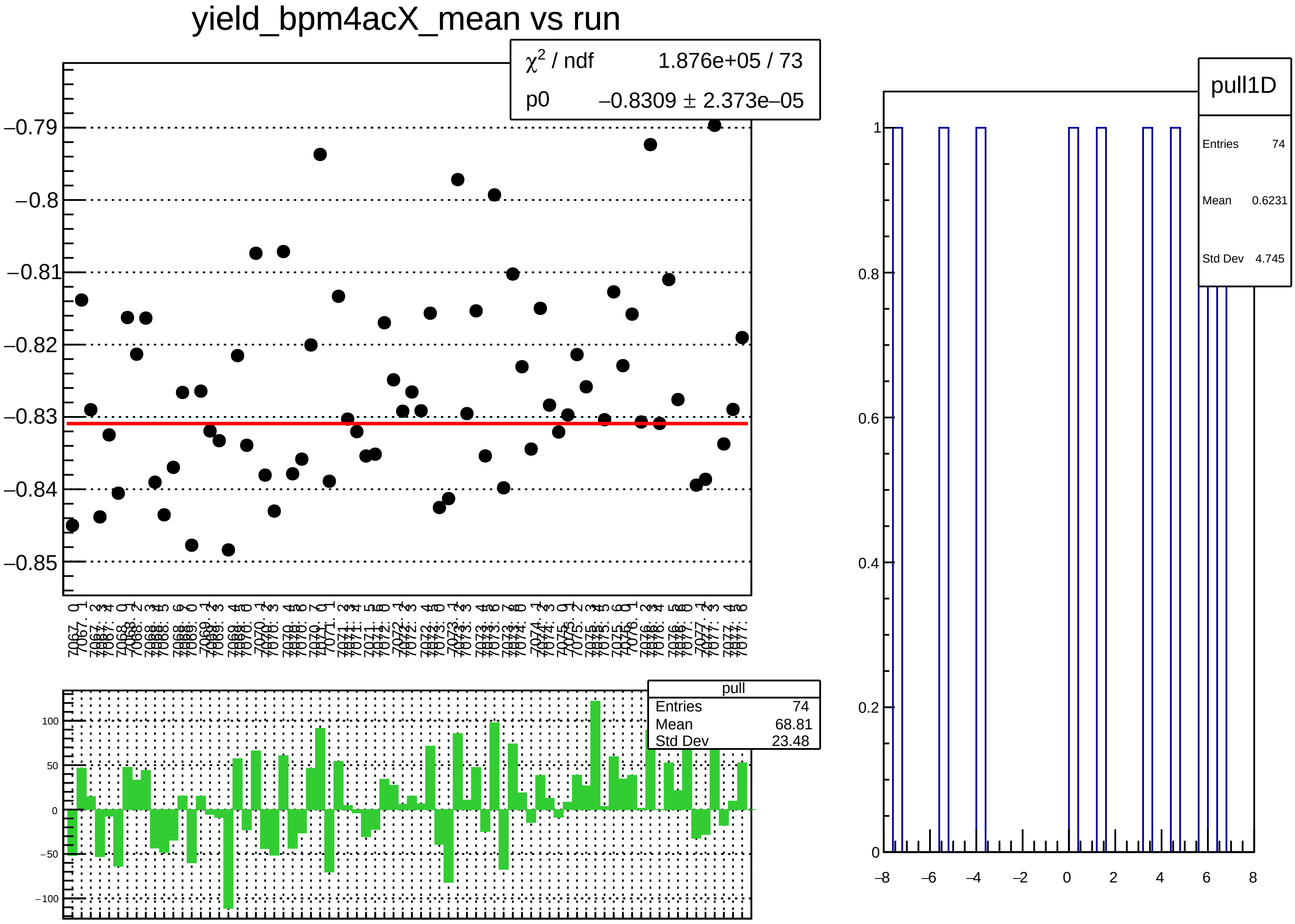
yield_bpm4aY_rms vs run
χ^2 / ndf 1.918e+04 / 73
p0 0.01276 ± 1.037e−05
0.02
0.018
0.016
0.014
0.012
0.01


yield_bpm4eX_mean vs run
χ2 / ndf 1.714e+05 / 73
p0 −0.04863 ± 2.594e−05
pull
Entries 74
Mean 79.93
Std Dev 38.97
pull1D
Entries 74
Mean −2.209
Std Dev 4.267

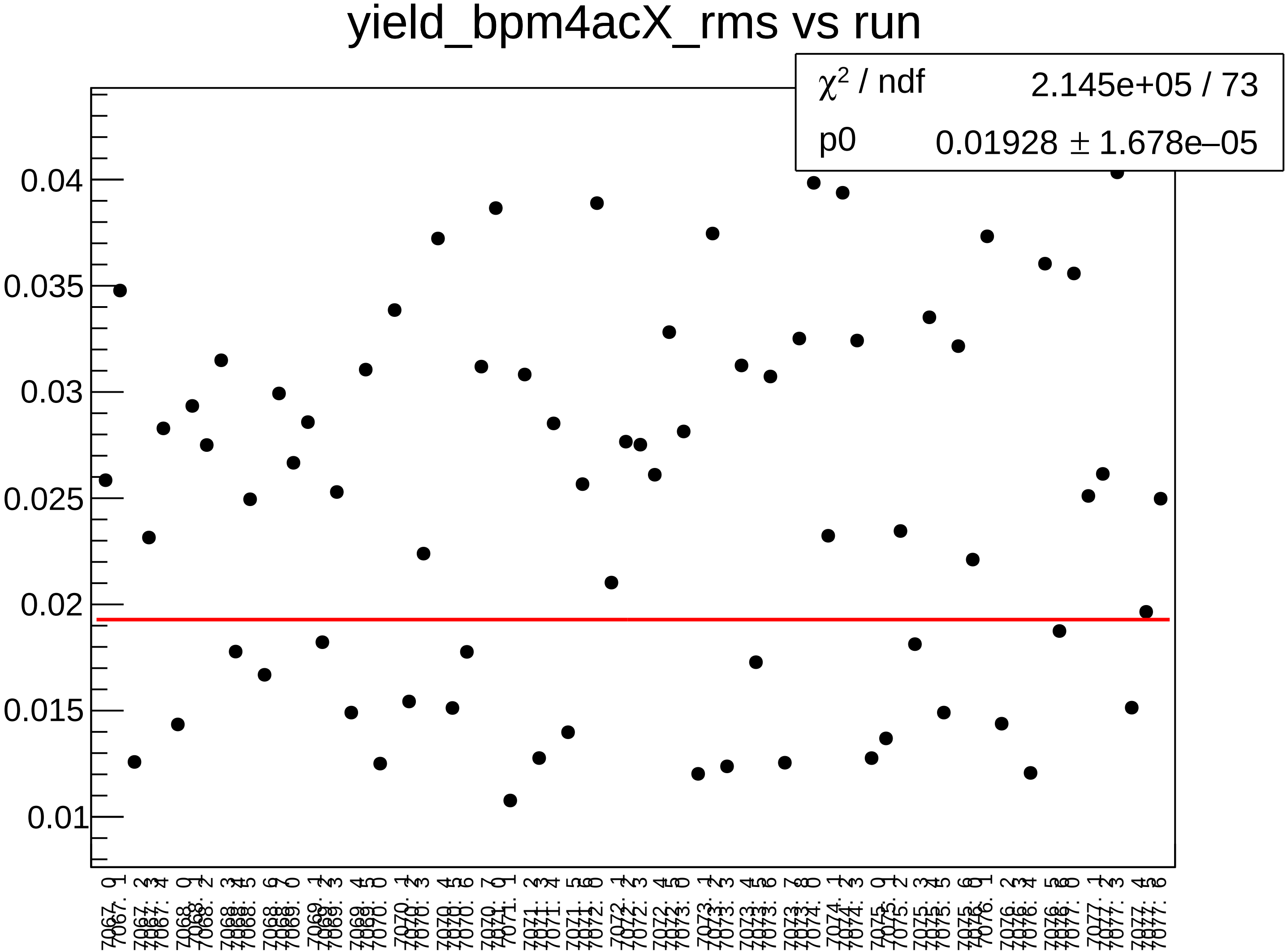

yield_bpm4eX_rms vs run
χ² / ndf 1.977e+05 / 73
p0 0.02121 ± 1.834e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

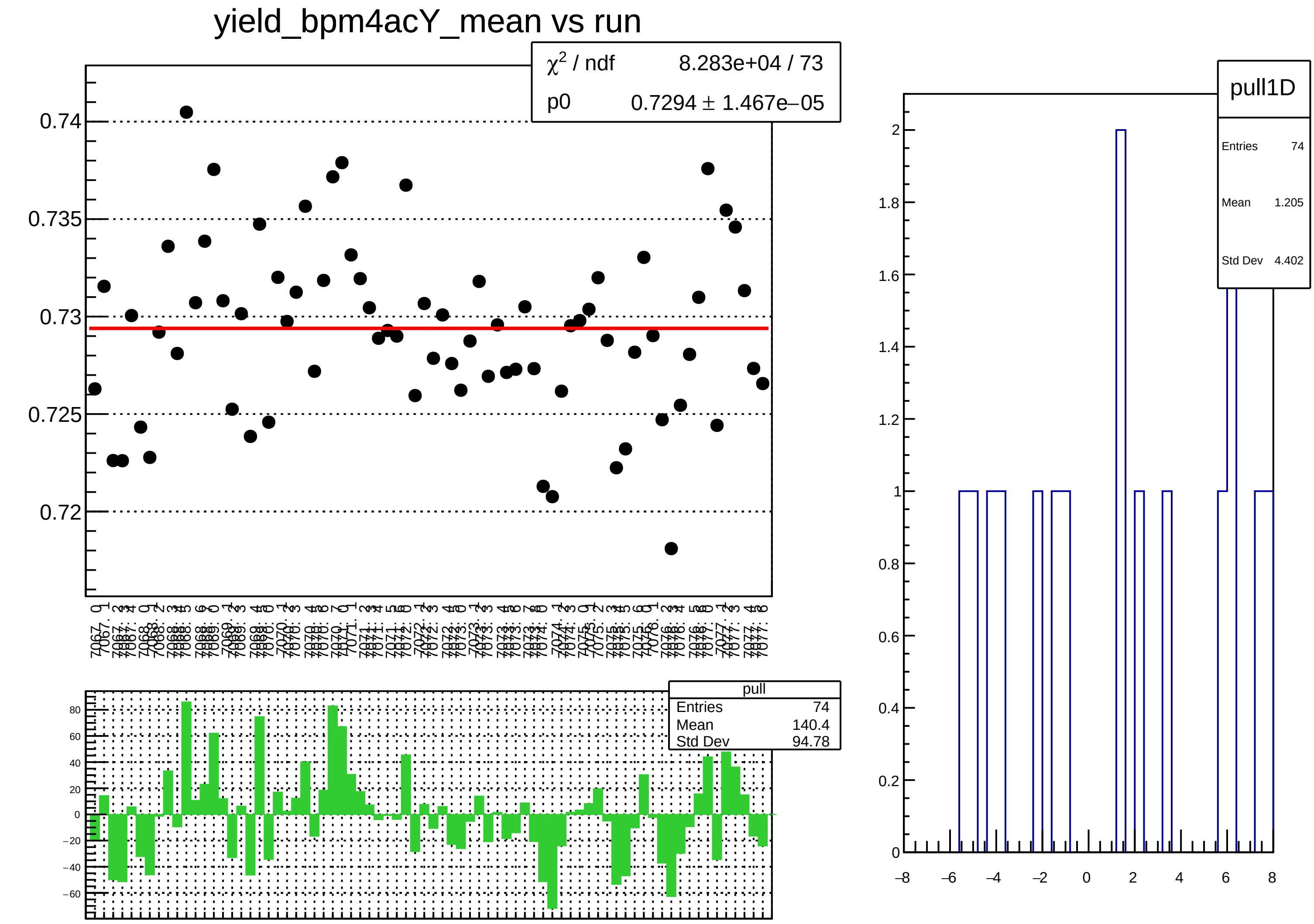

yield_bpm4eY_mean vs run
χ2 / ndf 6.107e+04 / 73
p0 0.3345 ± 1.523e−05
pull
Entries 74
Mean 128.2
Std Dev 82.17
pull1D
Entries 74
Mean 0.06088
Std Dev 4.315

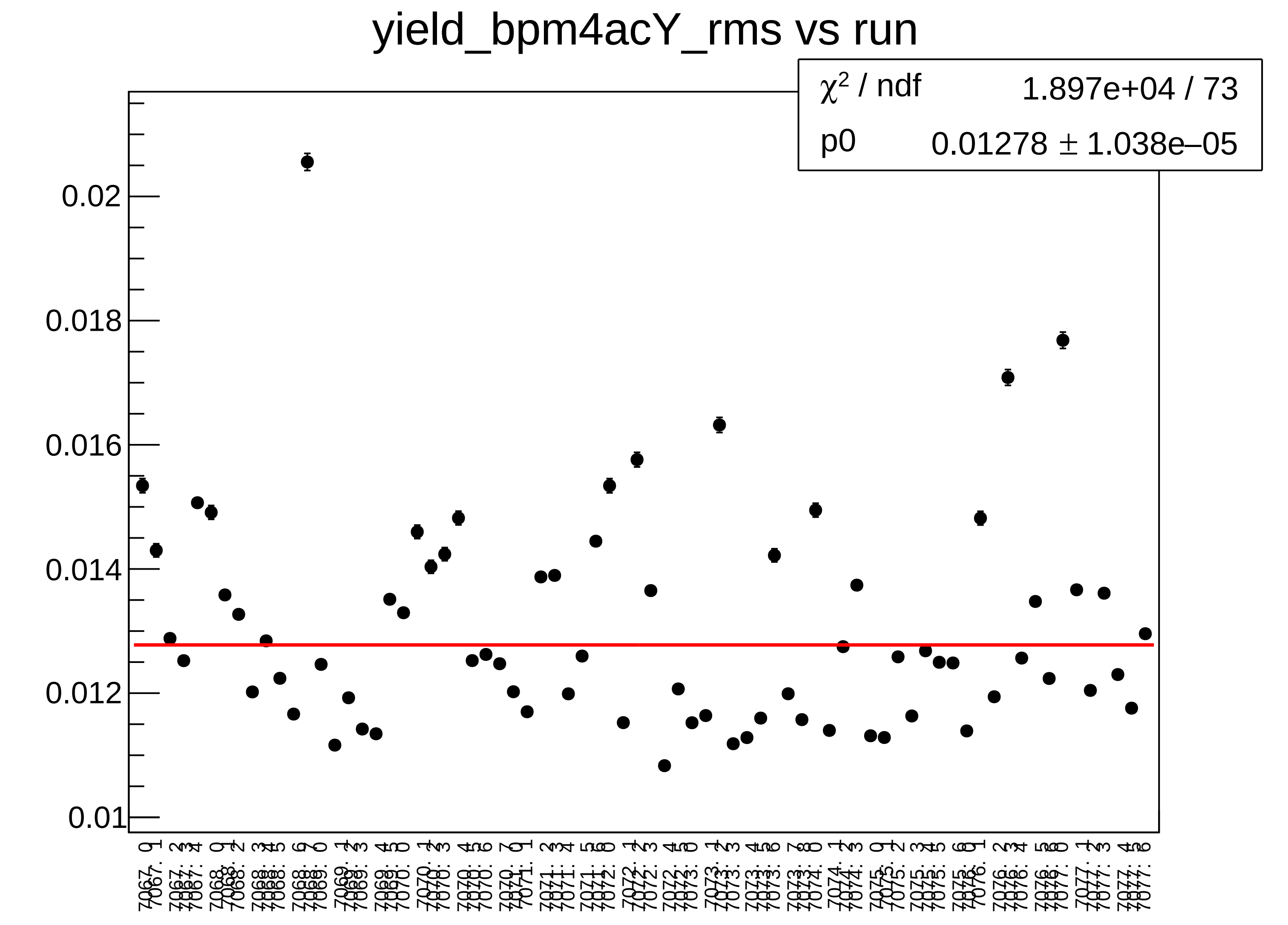

yield_bpm4eY_rms vs run
χ^2 / ndf 8.611e+04 / 73
p0 0.01296 ± 1.077e−05
0.035
0.03
0.025
0.02
0.015
0.01

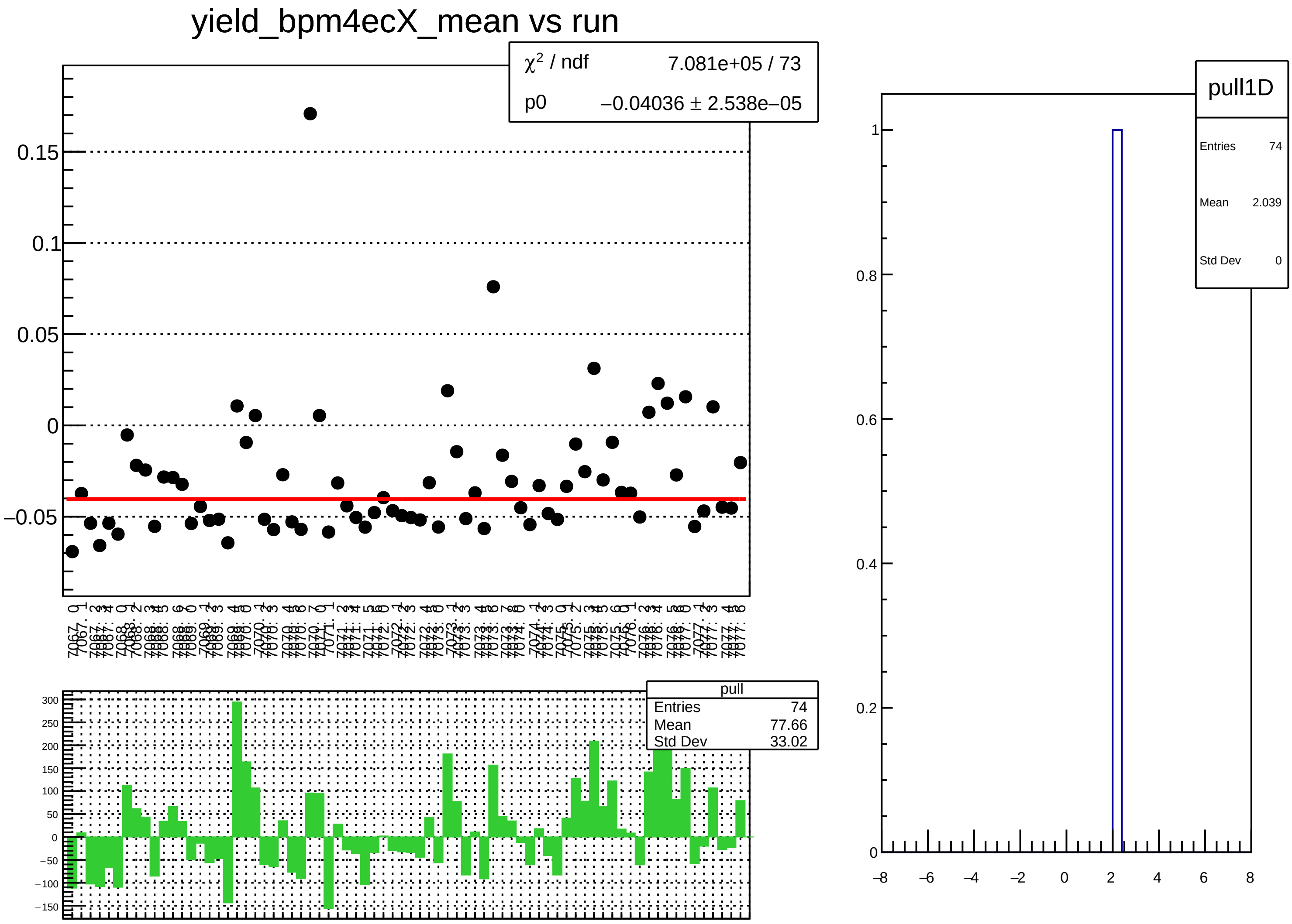


yield_bpm4acX_mean vs run
χ^2 / ndf 1.876e+05 / 73
p0 −0.8309 ± 2.373e−05
−0.79
−0.8
−0.81
−0.82
−0.83
−0.84
−0.85
pull
Entries 74
Mean 68.81
Std Dev 23.48
100
50
0
−50
−100
pull1D
Entries 74
Mean 0.6231
Std Dev 4.745
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

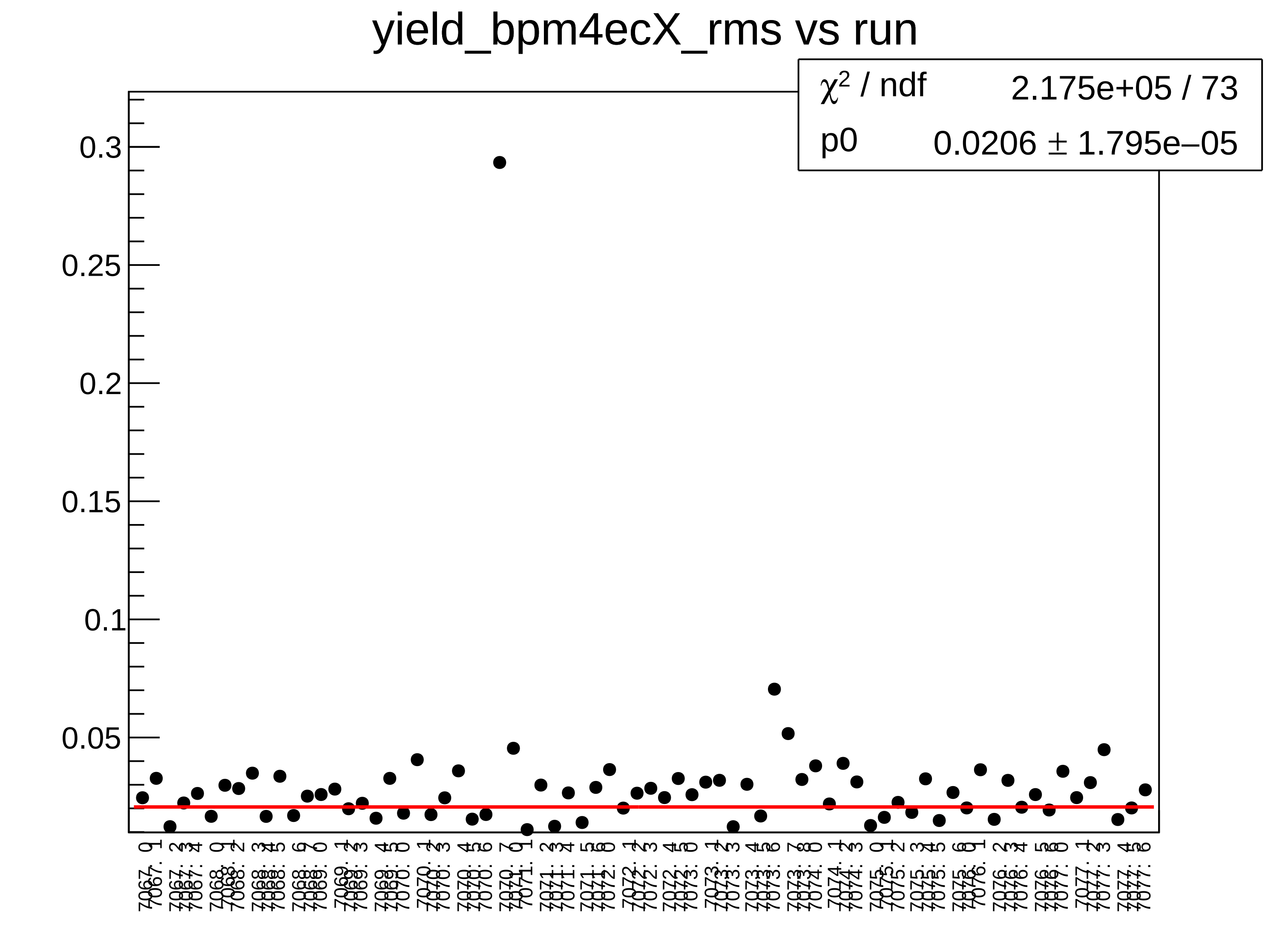

yield_bpm4acX_rms vs run
χ^2 / ndf 2.145e+05 / 73
p0 0.01928 ± 1.678e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

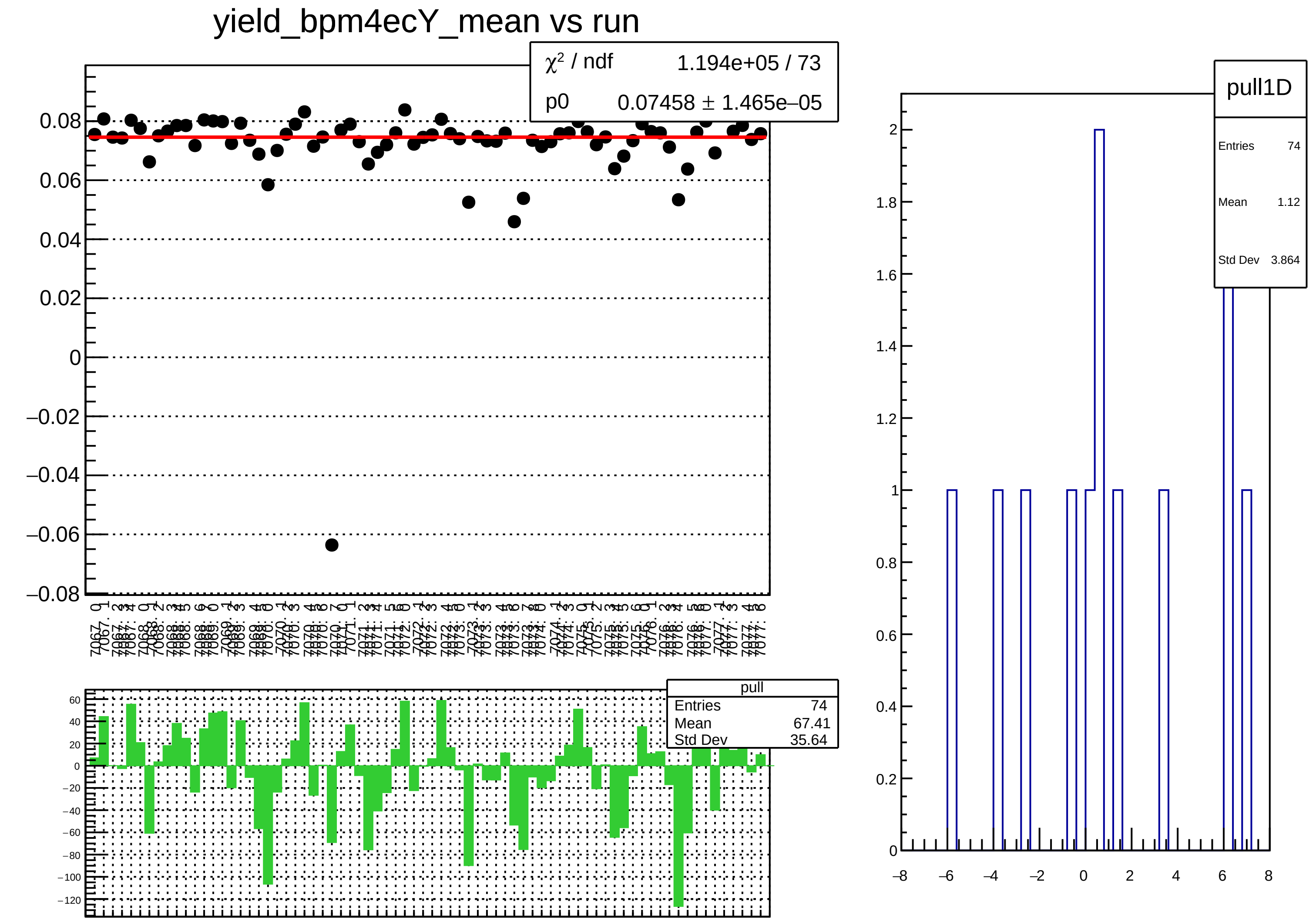

yield_bpm4acY_mean vs run
χ^2 / ndf 8.283e+04 / 73
p0 0.7294 ± 1.467e−05
0.74
0.735
0.73
0.725
0.72
pull
Entries 74
Mean 140.4
Std Dev 94.78
80
60
40
20
0
−20
−40
−60
pull1D
Entries 74
Mean 1.205
Std Dev 4.402
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm4acY_rms vs run
χ2 / ndf 1.897e+04 / 73
p0 0.01278 ± 1.038e−05
0.02
0.018
0.016
0.014
0.012
0.01

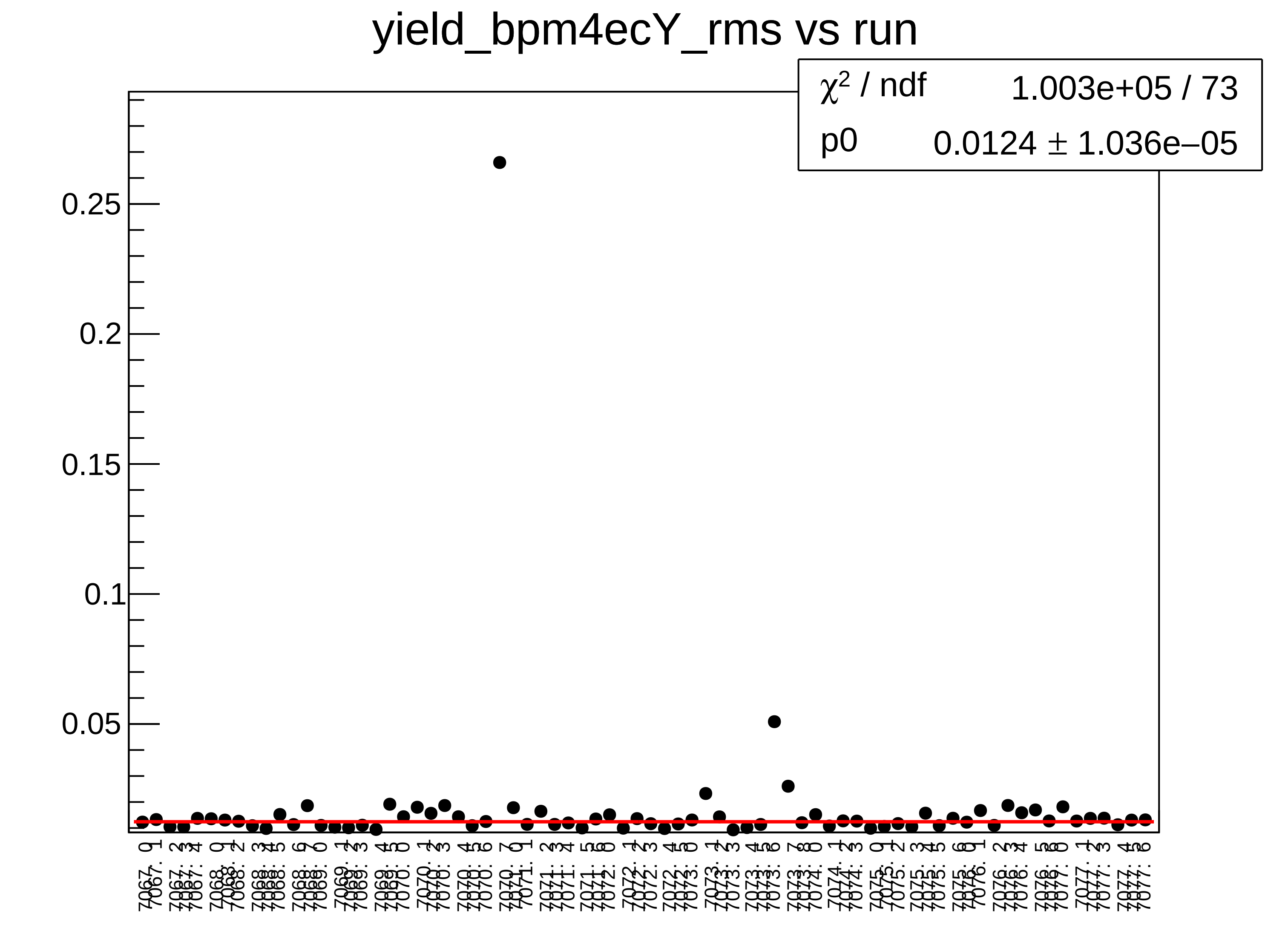


yield_bpm4ecX_mean vs run
χ^2 / ndf 7.081e+05 / 73
p0 −0.04036 ± 2.538e−05
pull
Entries 74
Mean 77.66
Std Dev 33.02
pull1D
Entries 74
Mean 2.039
Std Dev 0

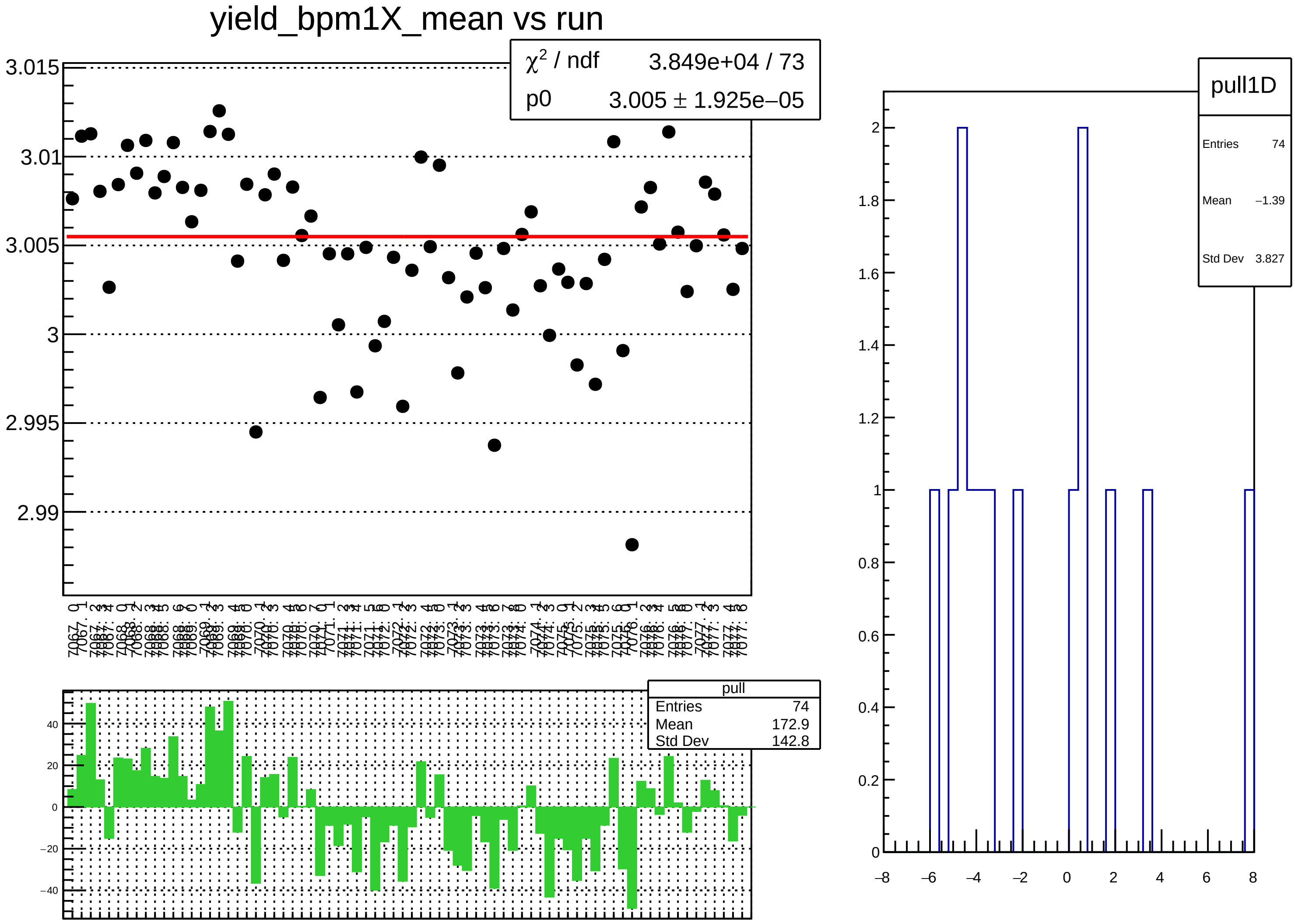

yield_bpm4ecX_rms vs run
χ2 / ndf 2.175e+05 / 73
p0 0.0206 ± 1.795e−05
0.3
0.25
0.2
0.15
0.1
0.05

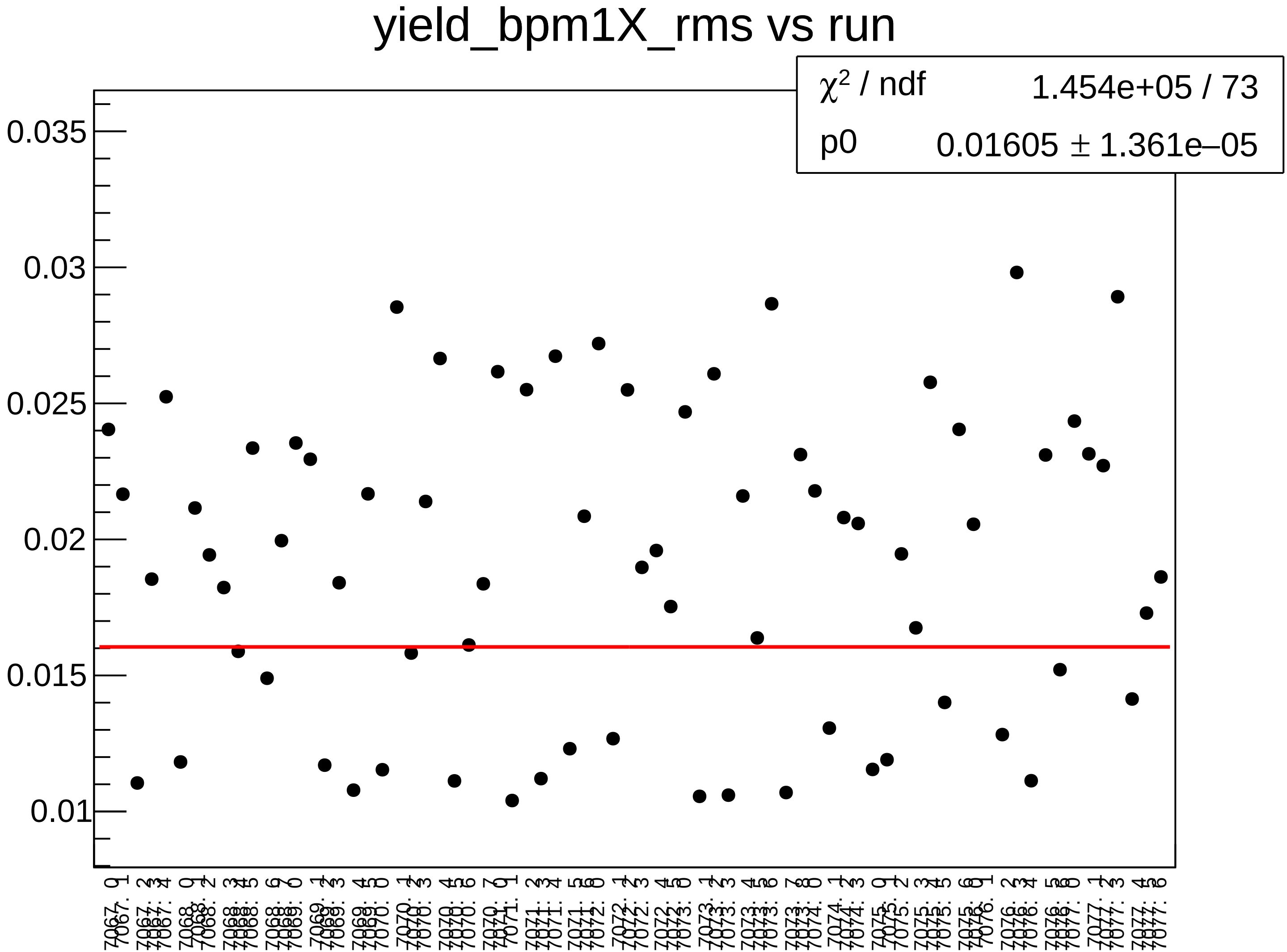


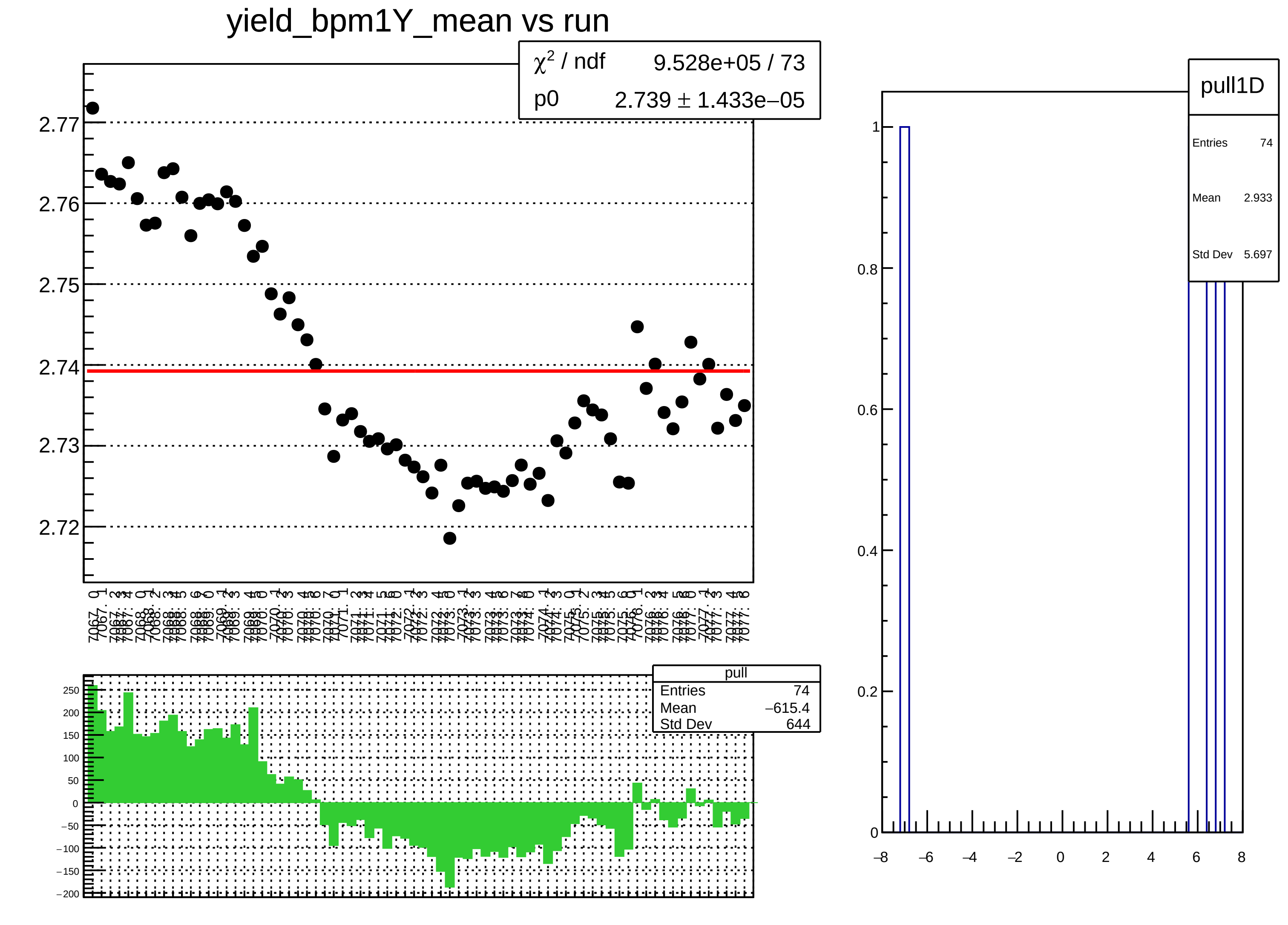
yield_bpm4ecY_mean vs run
χ^2 / ndf 1.194e+05 / 73
p0 0.07458 ± 1.465e−05
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 74
Mean 67.41
Std Dev 35.64
60
40
20
0
−20
−40
−60
−80
−100
−120
pull1D
Entries 74
Mean 1.12
Std Dev 3.864
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



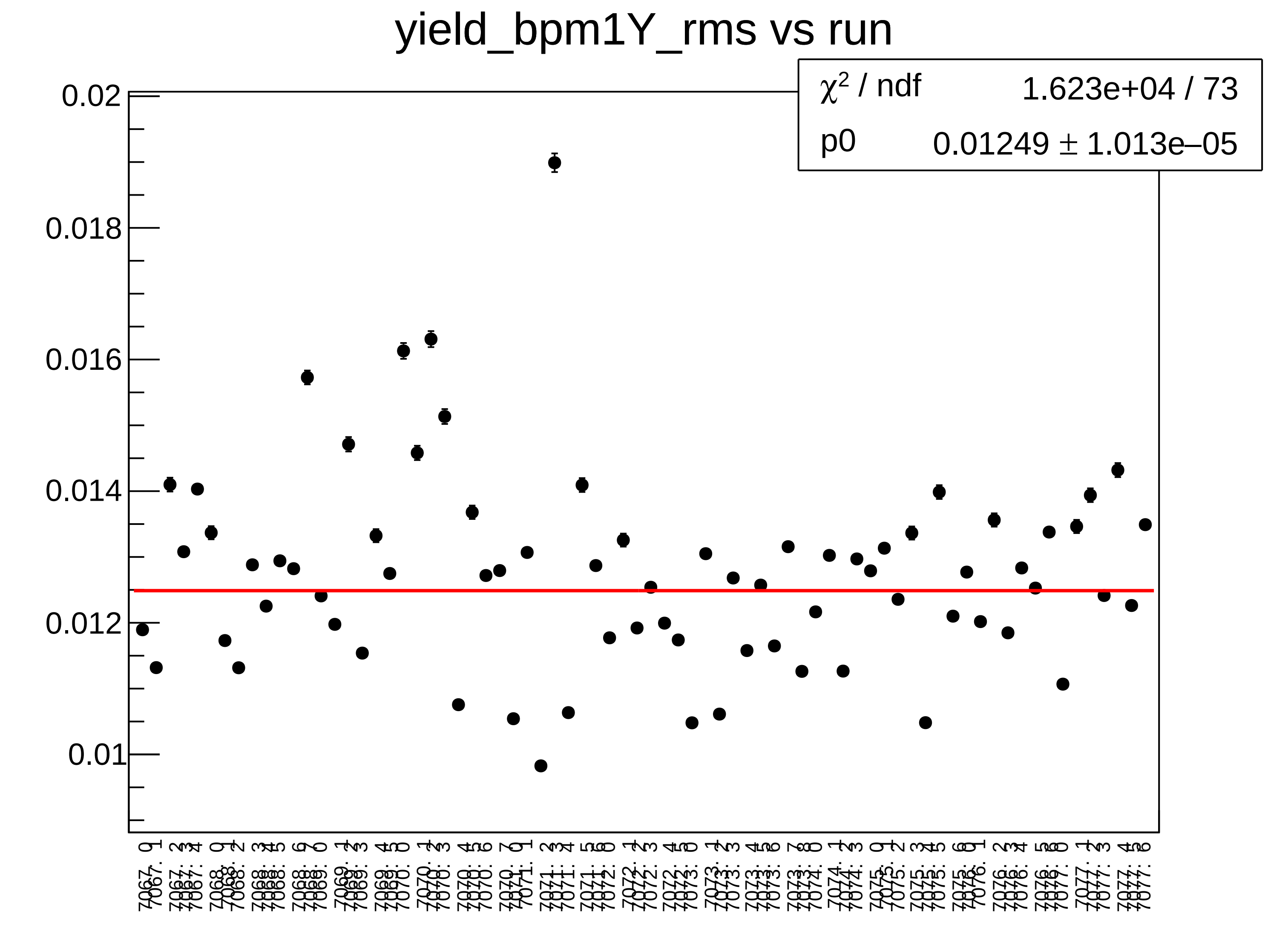
yield_bpm4ecY_rms vs run
χ^2 / ndf 1.003e+05 / 73
p0 0.0124 ± 1.036e−05
0.25
0.2
0.15
0.1
0.05


yield_bpm1X_mean vs run
χ^2 / ndf 3.849e+04 / 73
p0 3.005 ± 1.925e−05
pull
Entries 74
Mean 172.9
Std Dev 142.8
pull1D
Entries 74
Mean −1.39
Std Dev 3.827

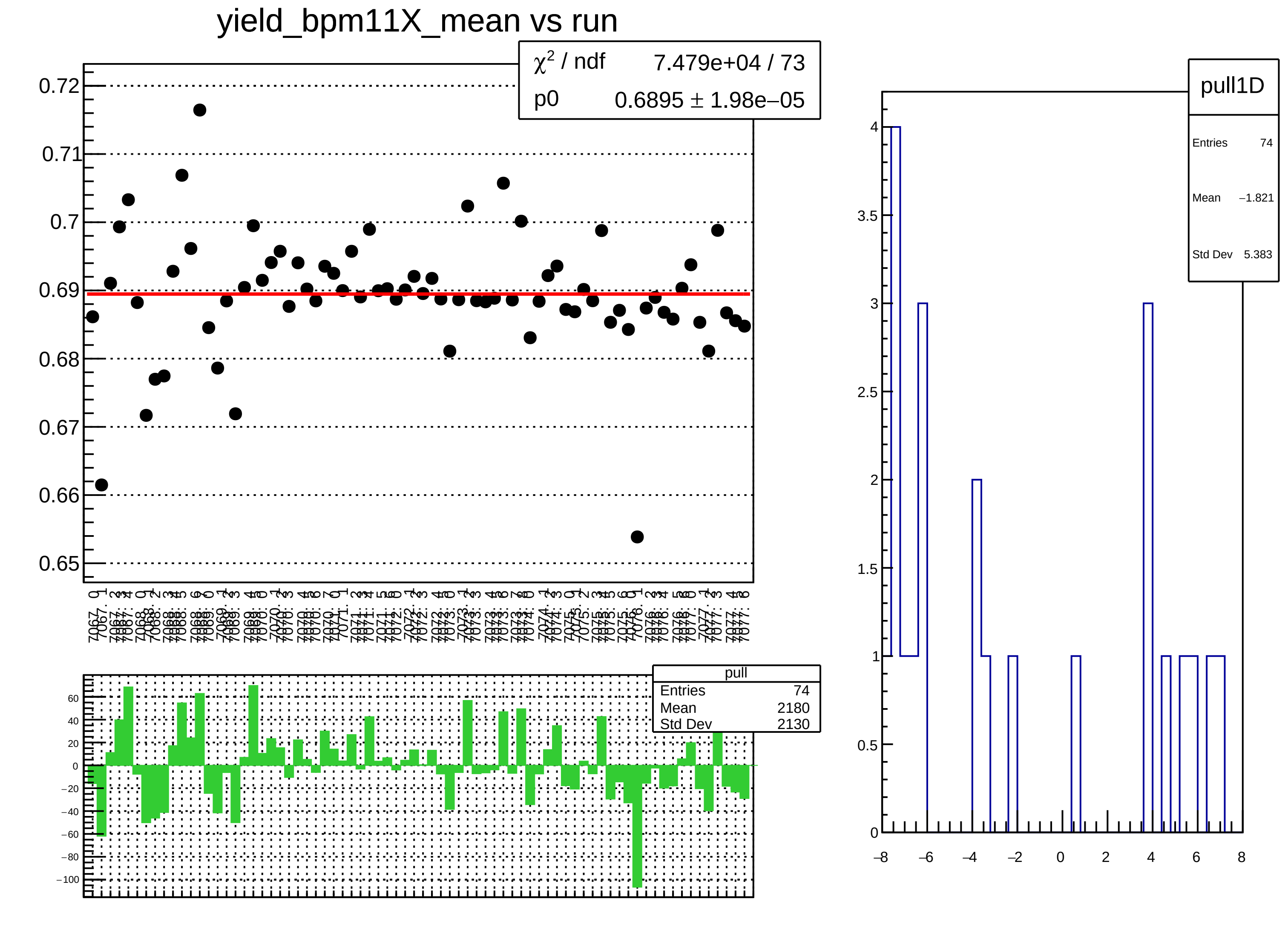

yield_bpm1X_rms vs run
χ² / ndf 1.454e+05 / 73
p0 0.01605 ± 1.361e−05

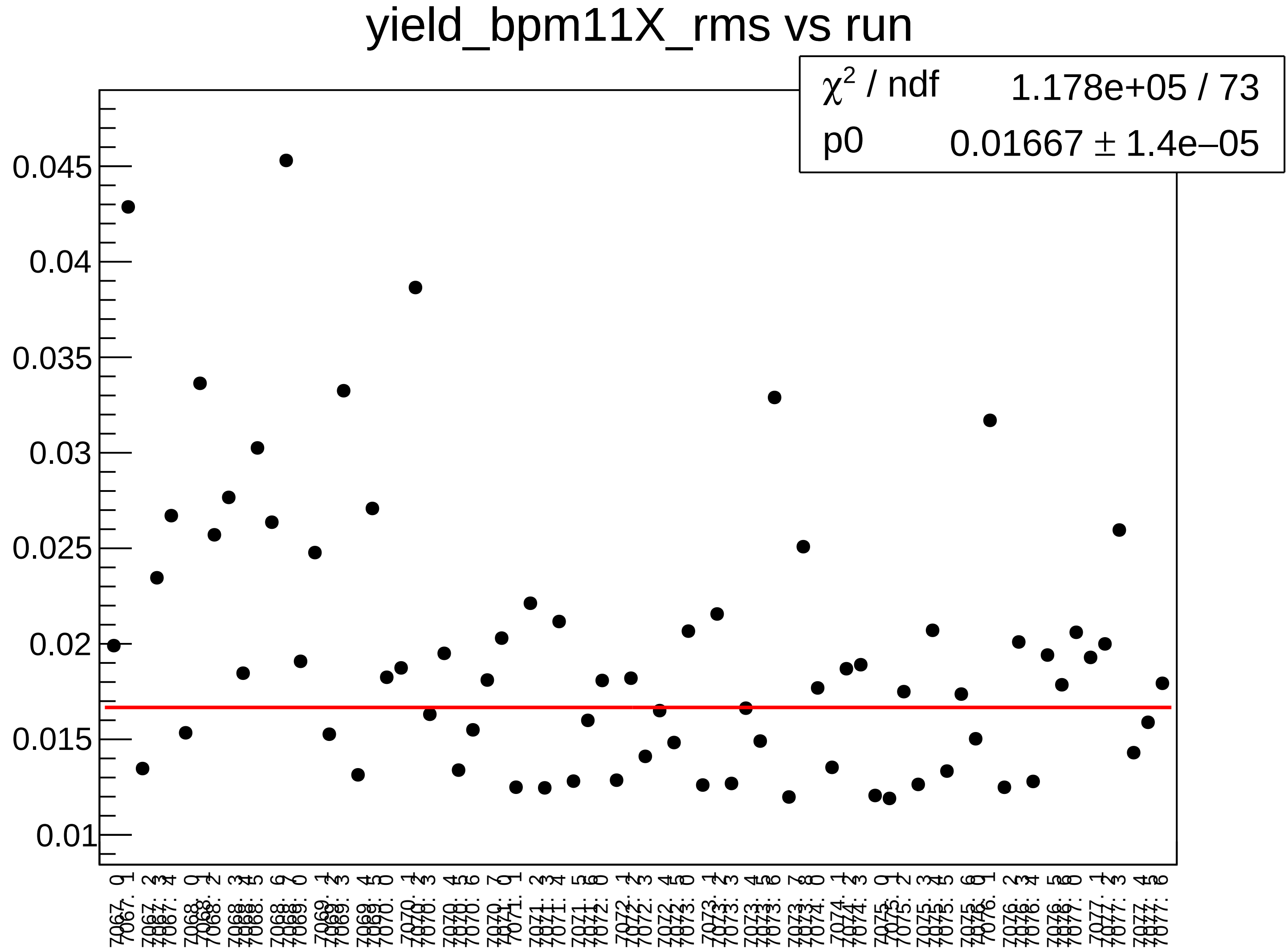


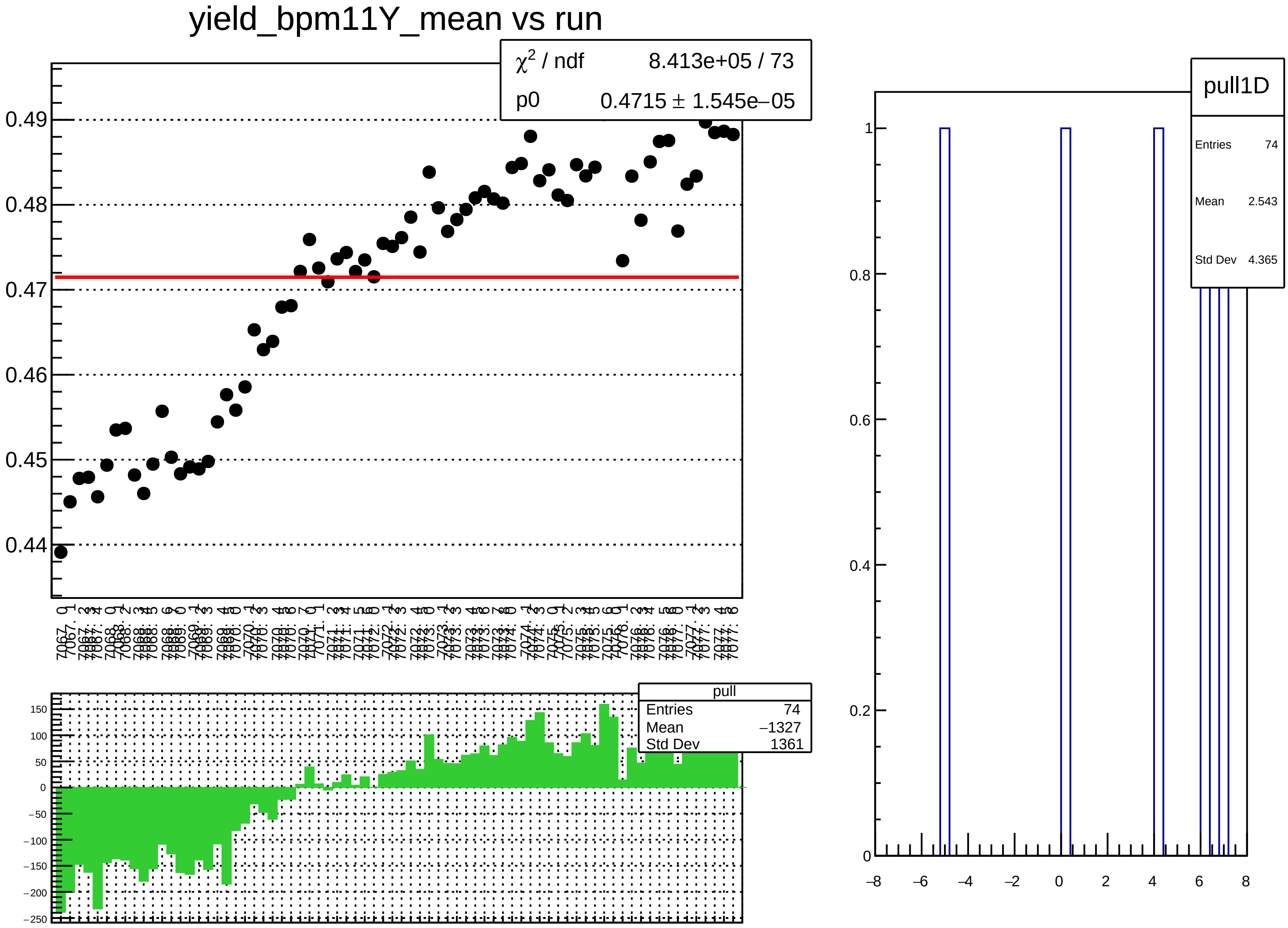
yield_bpm1Y_mean vs run
χ^2 / ndf 9.528e+05 / 73
p0 2.739 ± 1.433e−05
pull
Entries 74
Mean −615.4
Std Dev 644
pull1D
Entries 74
Mean 2.933
Std Dev 5.697



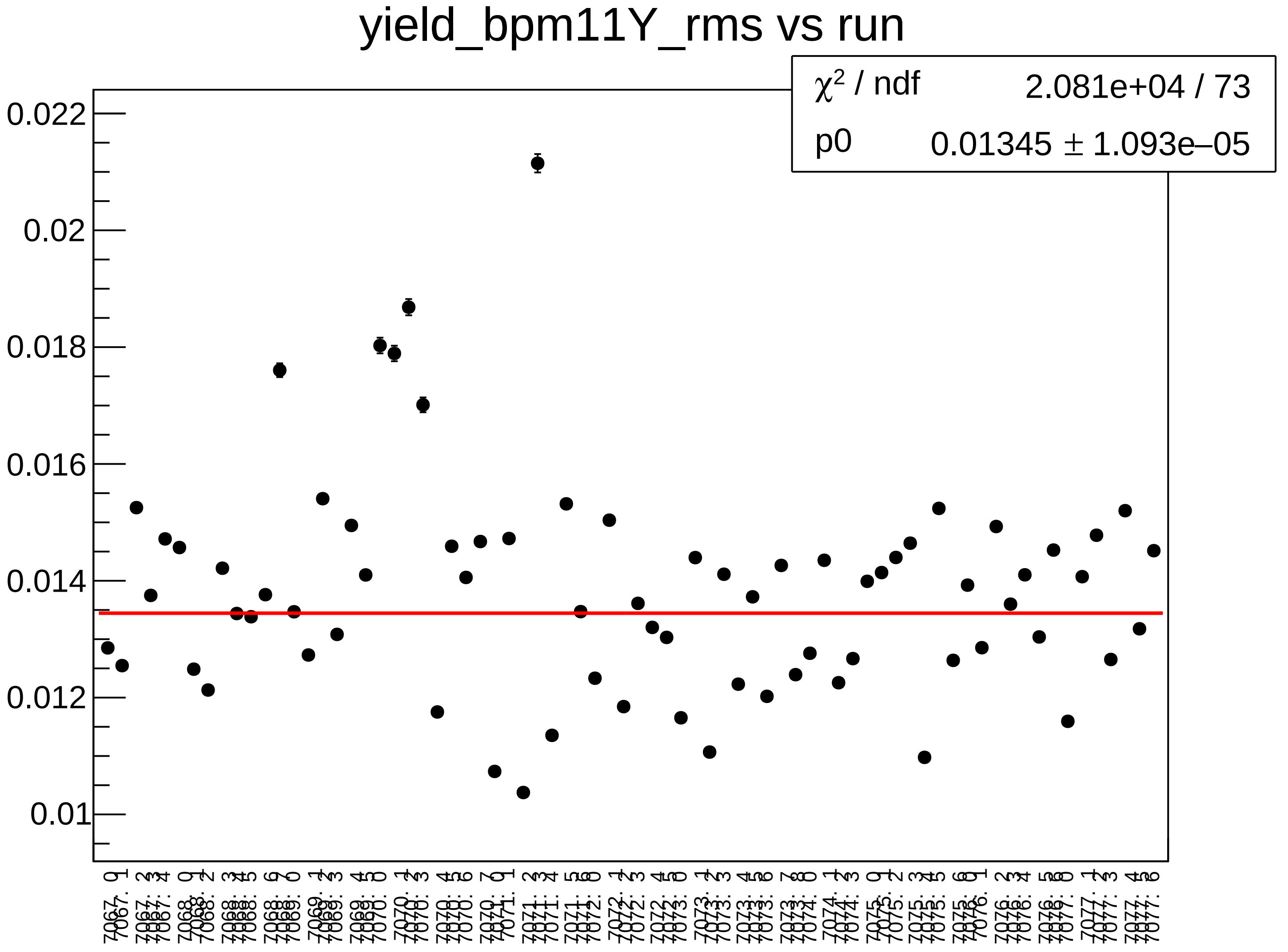
yield_bpm1Y_rms vs run
χ2 / ndf 1.623e+04 / 73
p0 0.01249 ± 1.013e−05
0.02
0.018
0.016
0.014
0.012
0.01

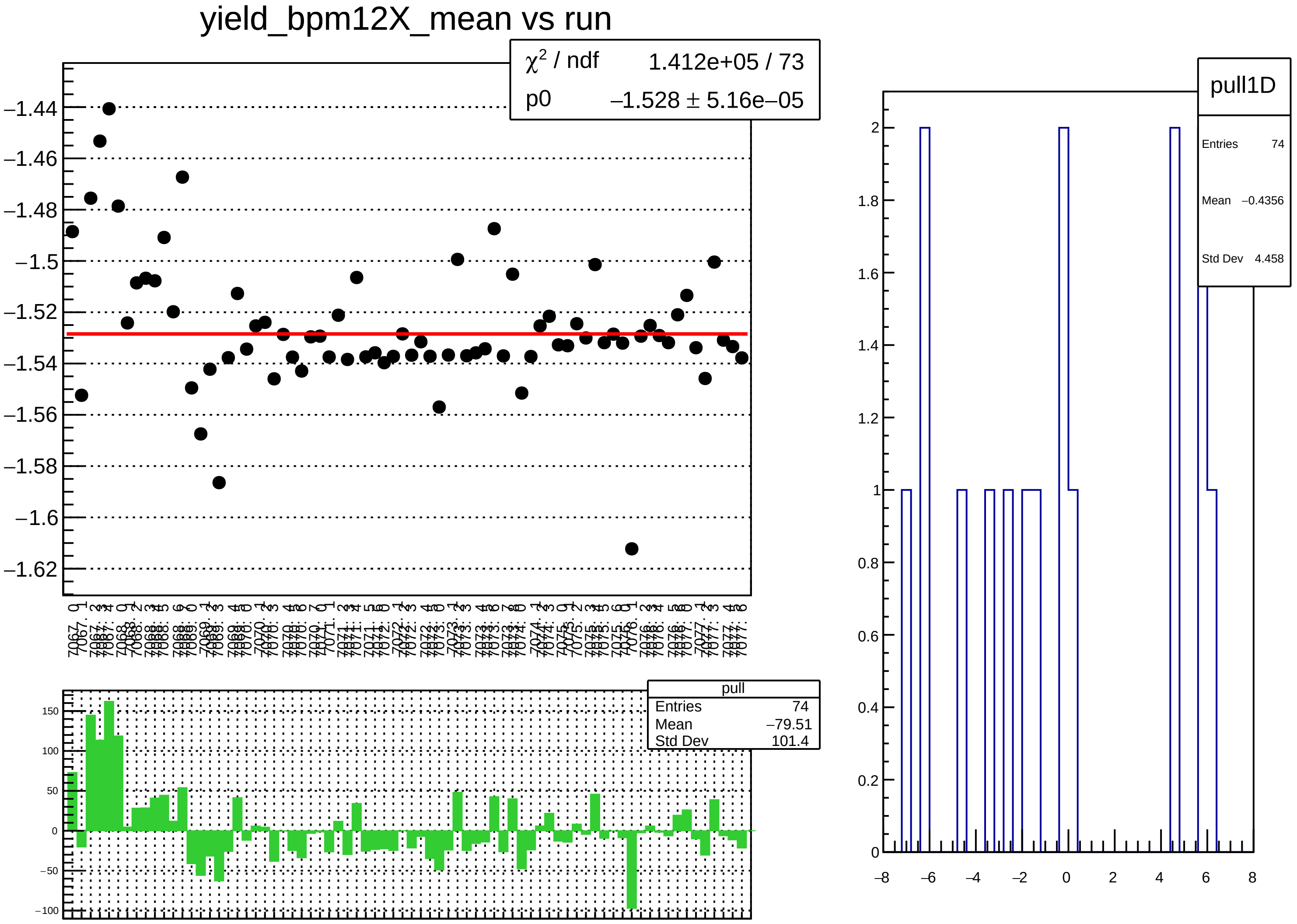

yield_bpm11X_mean vs run
χ^2 / ndf 7.479e+04 / 73
p0 0.6895 ± 1.98e−05
0.72
0.71
0.7
0.69
0.68
0.67
0.66
0.65
pull
Entries 74
Mean 2180
Std Dev 2130
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 74
Mean −1.821
Std Dev 5.383
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm11X_rms vs run
χ² / ndf 1.178e+05 / 73
p0 0.01667 ± 1.4e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

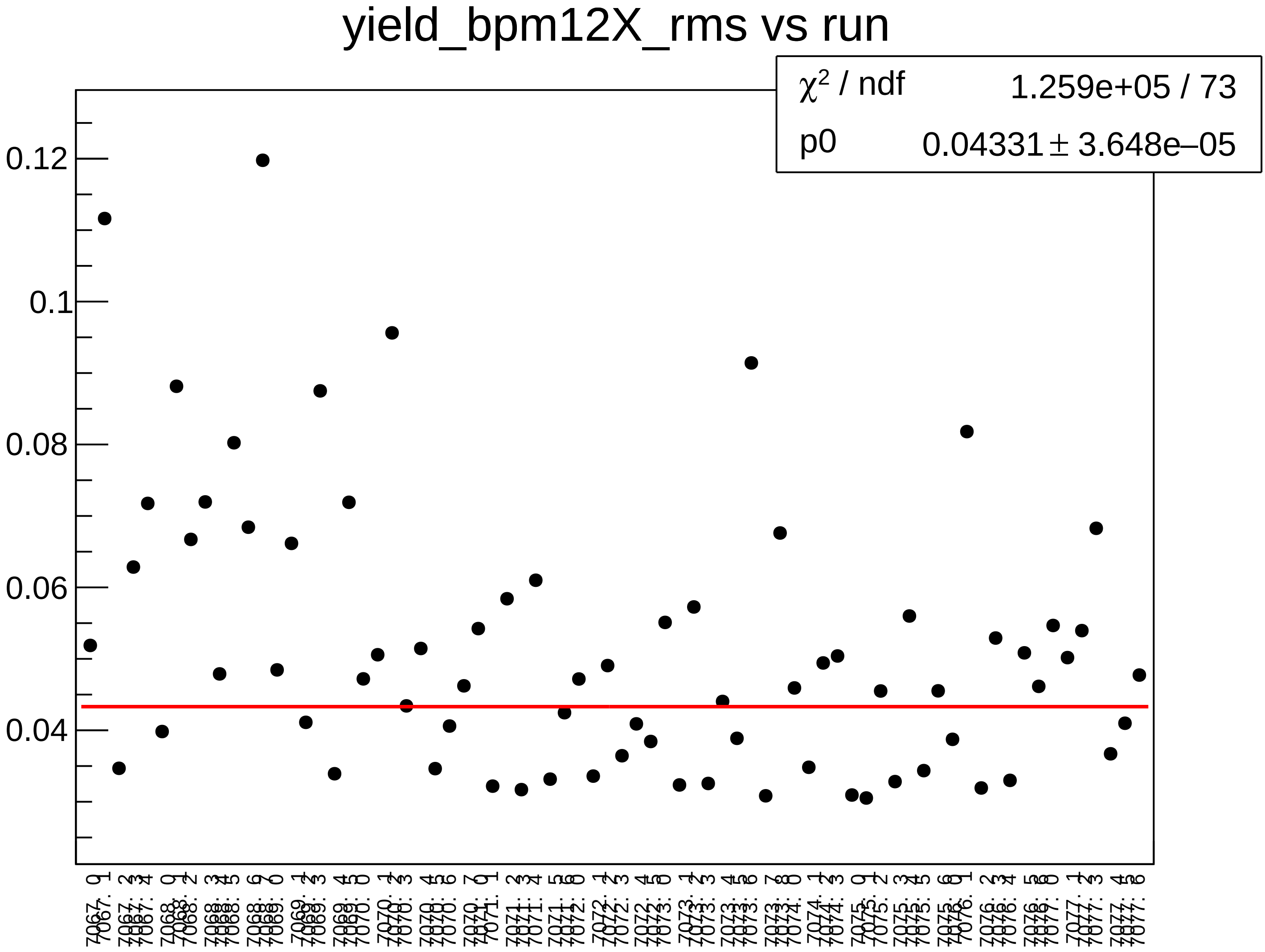


yield_bpm11Y_mean vs run
χ^2 / ndf 8.413e+05 / 73
p0 0.4715 ± 1.545e−05
pull
Entries 74
Mean −1327
Std Dev 1361
pull1D
Entries 74
Mean 2.543
Std Dev 4.365

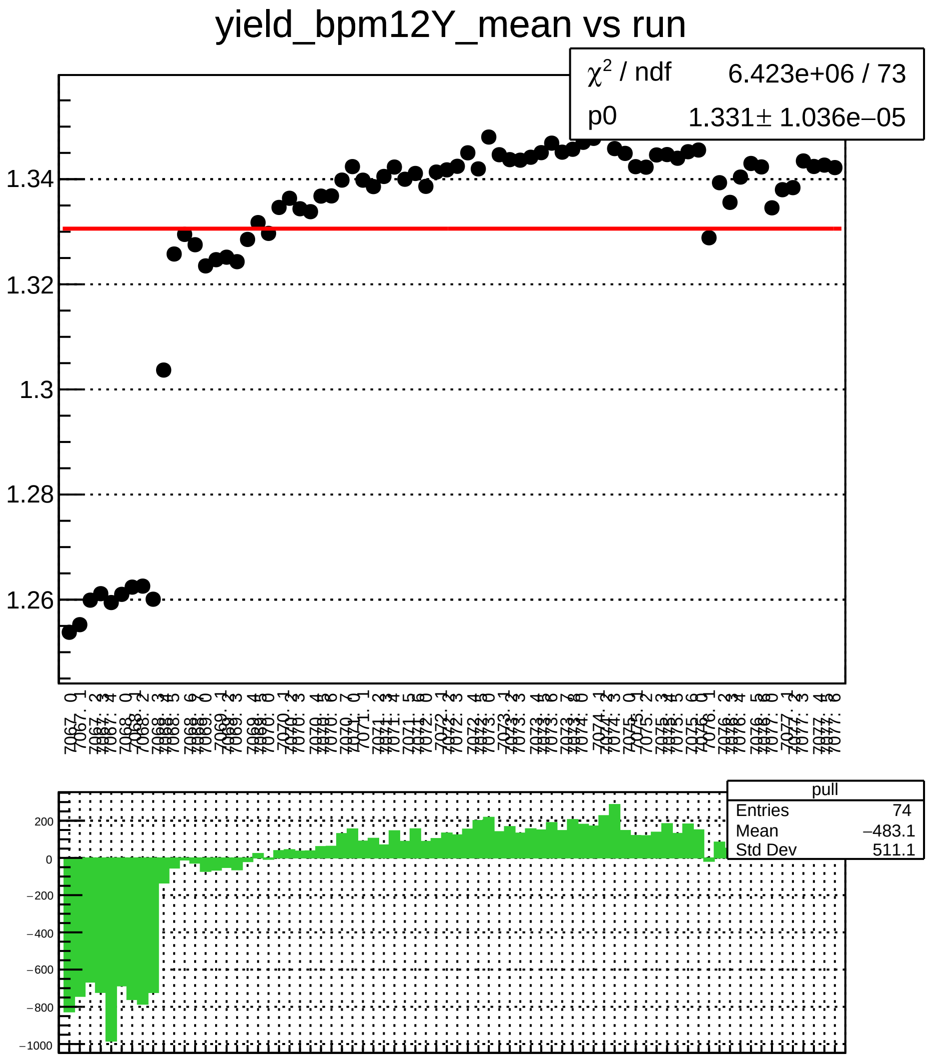

yield_bpm11Y_rms vs run
χ2 / ndf 2.081e+04 / 73
p0 0.01345 ± 1.093e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01



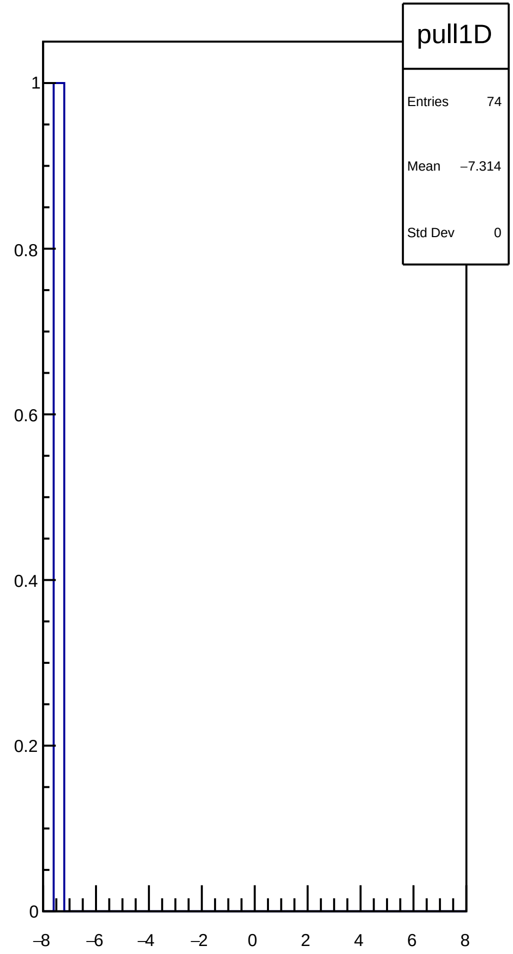
yield_bpm12X_mean vs run
χ^2 / ndf 1.412e+05 / 73
p0 −1.528 ± 5.16e−05
pull
Entries 74
Mean −79.51
Std Dev 101.4
pull1D
Entries 74
Mean −0.4356
Std Dev 4.458



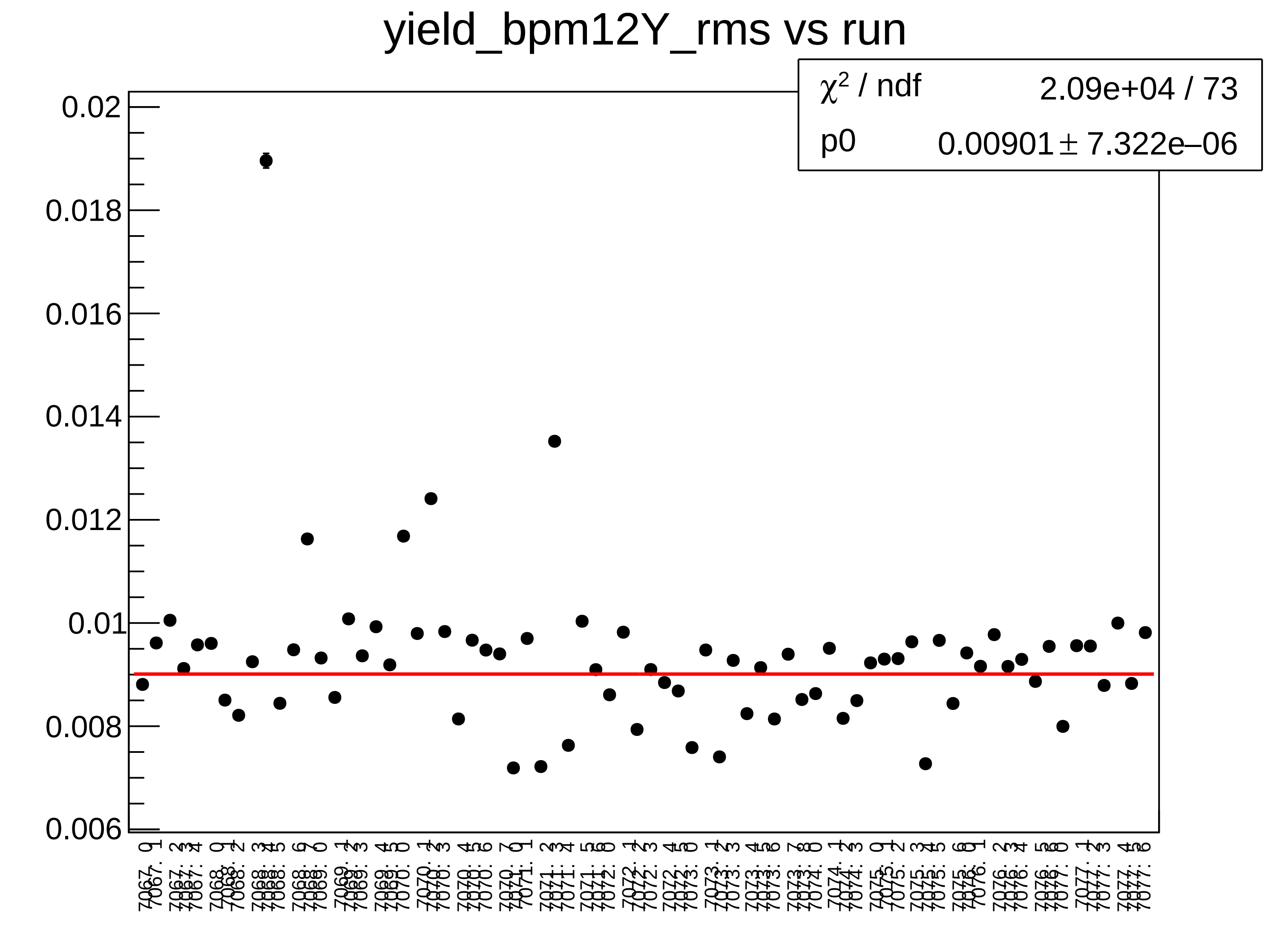
yield_bpm12X_rms vs run
χ^2 / ndf 1.259e+05 / 73
p0 0.04331 ± 3.648e−05
0.12
0.1
0.08
0.06
0.04

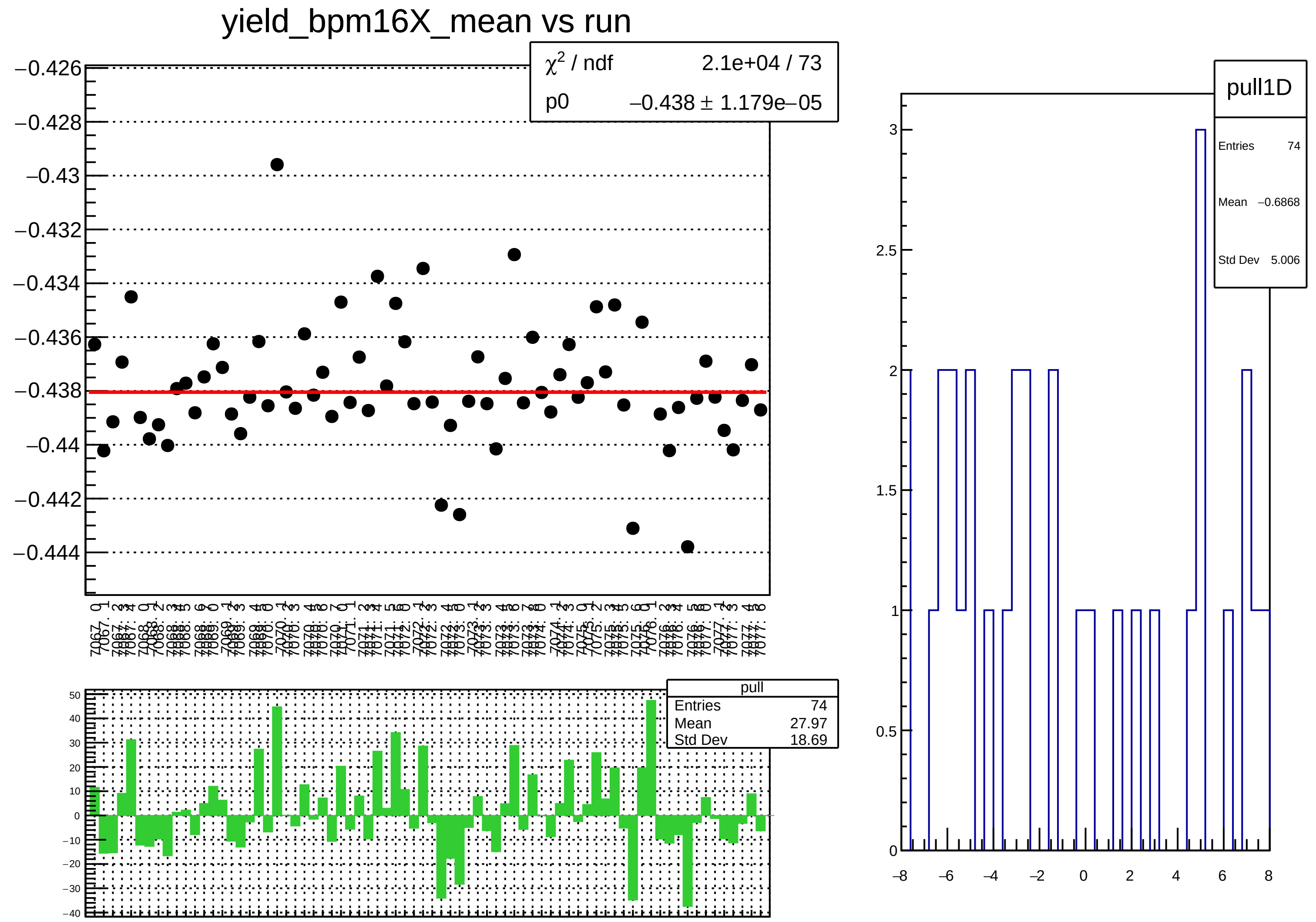


yield_bpm12Y_mean vs run
χ^2 / ndf 6.423e+06 / 73
p0 1.331± 1.036e−05
1.34
1.32
1.3
1.28
1.26
pull
Entries 74
Mean −483.1
Std Dev 511.1
200
0
−200
−400
−600
−800
−1000

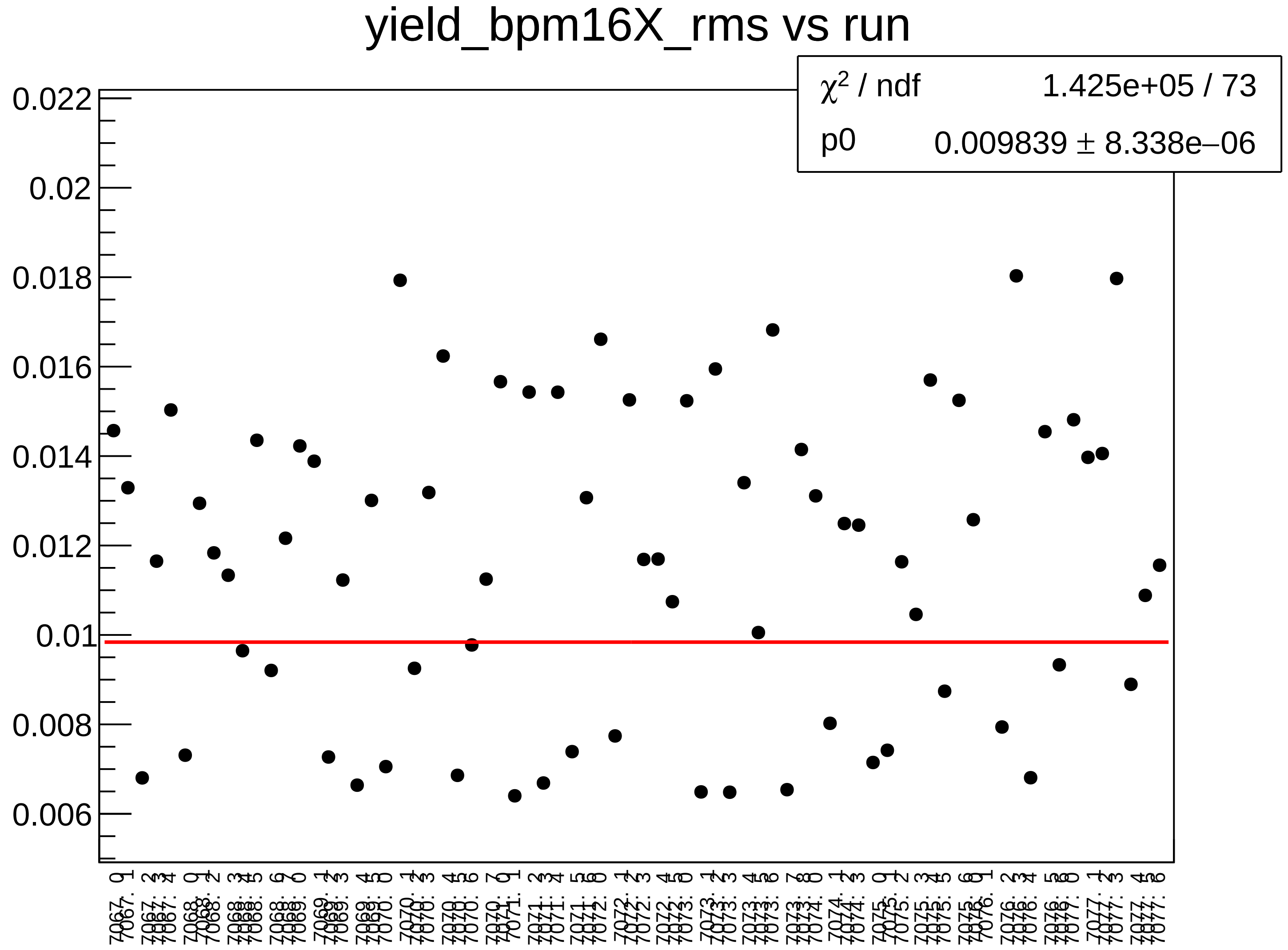


pull1D
Entries 74
Mean −7.314
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

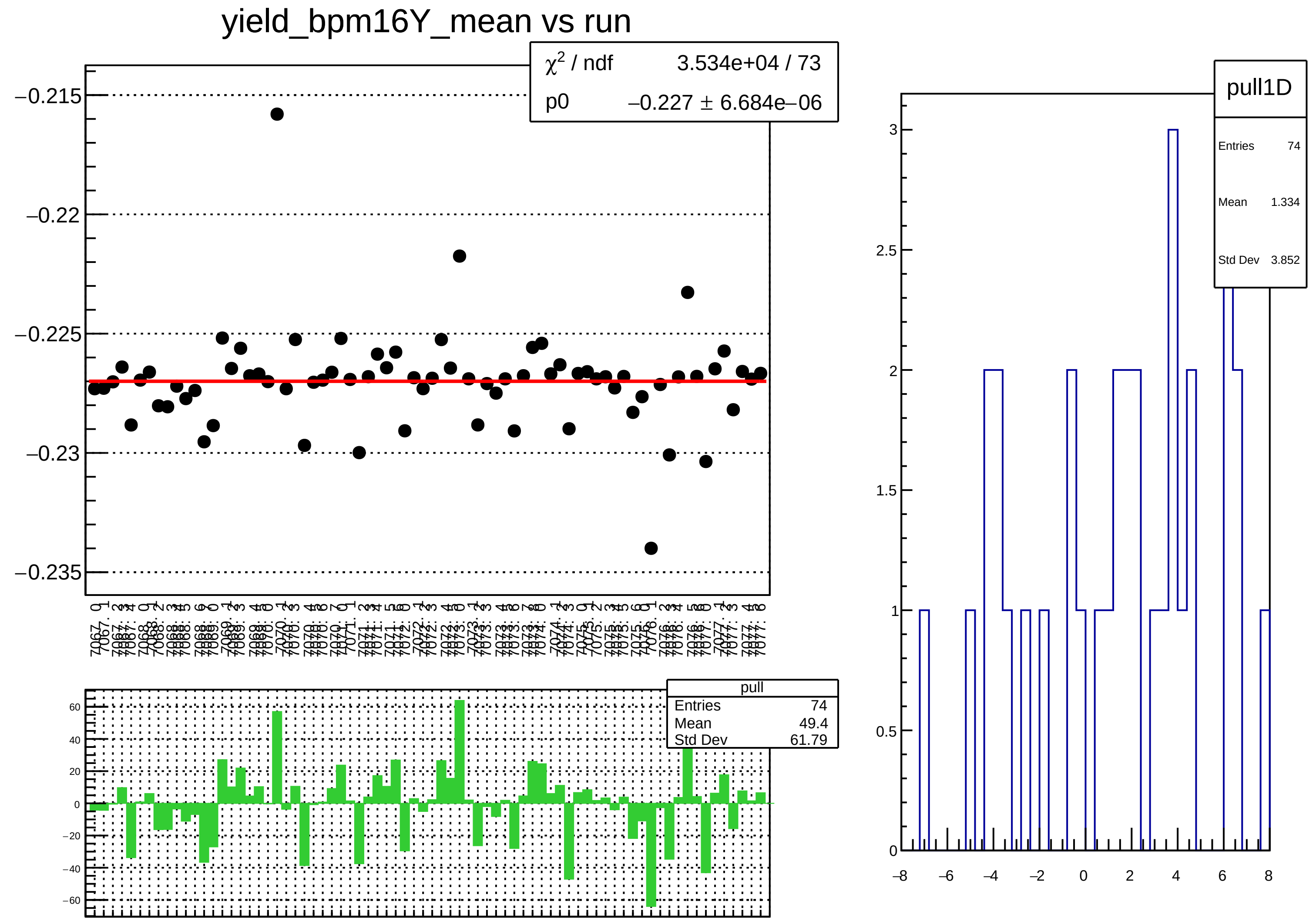

yield_bpm12Y_rms vs run
χ2 / ndf 2.09e+04 / 73
p0 0.00901 ± 7.322e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

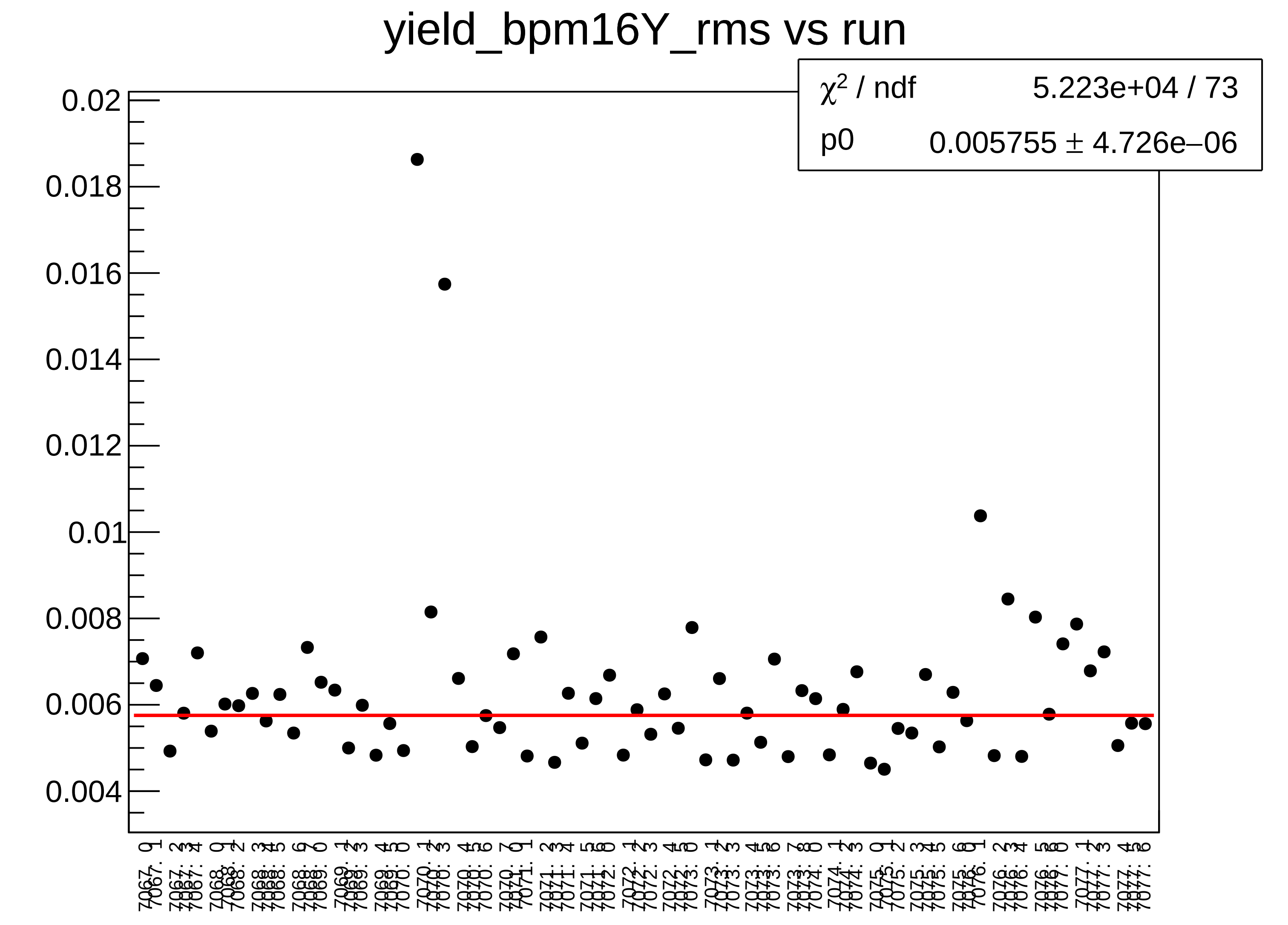


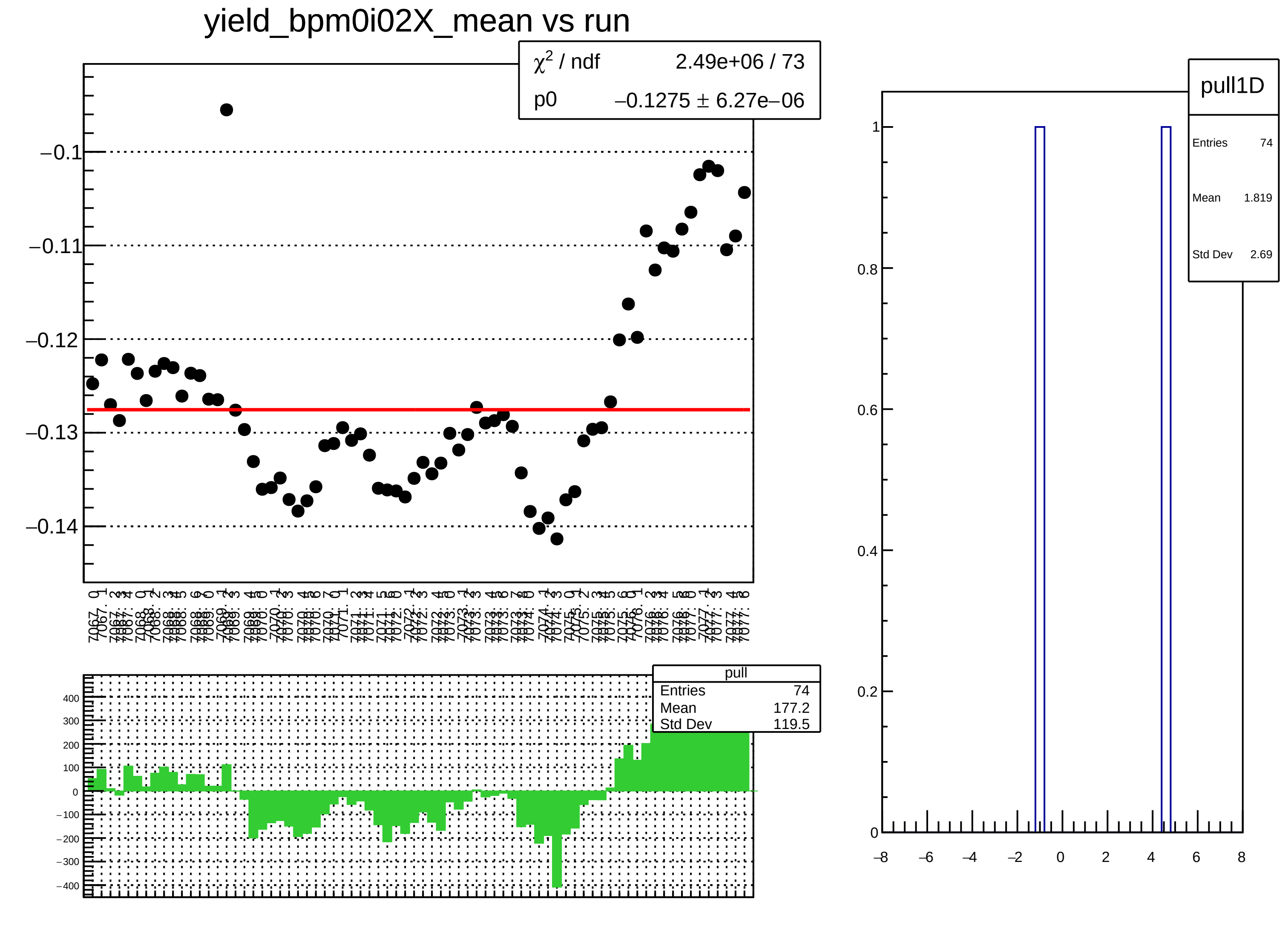
yield_bpm16X_mean vs run
χ² / ndf 2.1e+04 / 73
p0 −0.438 ± 1.179e−05
pull
Entries 74
Mean 27.97
Std Dev 18.69
pull1D
Entries 74
Mean −0.6868
Std Dev 5.006



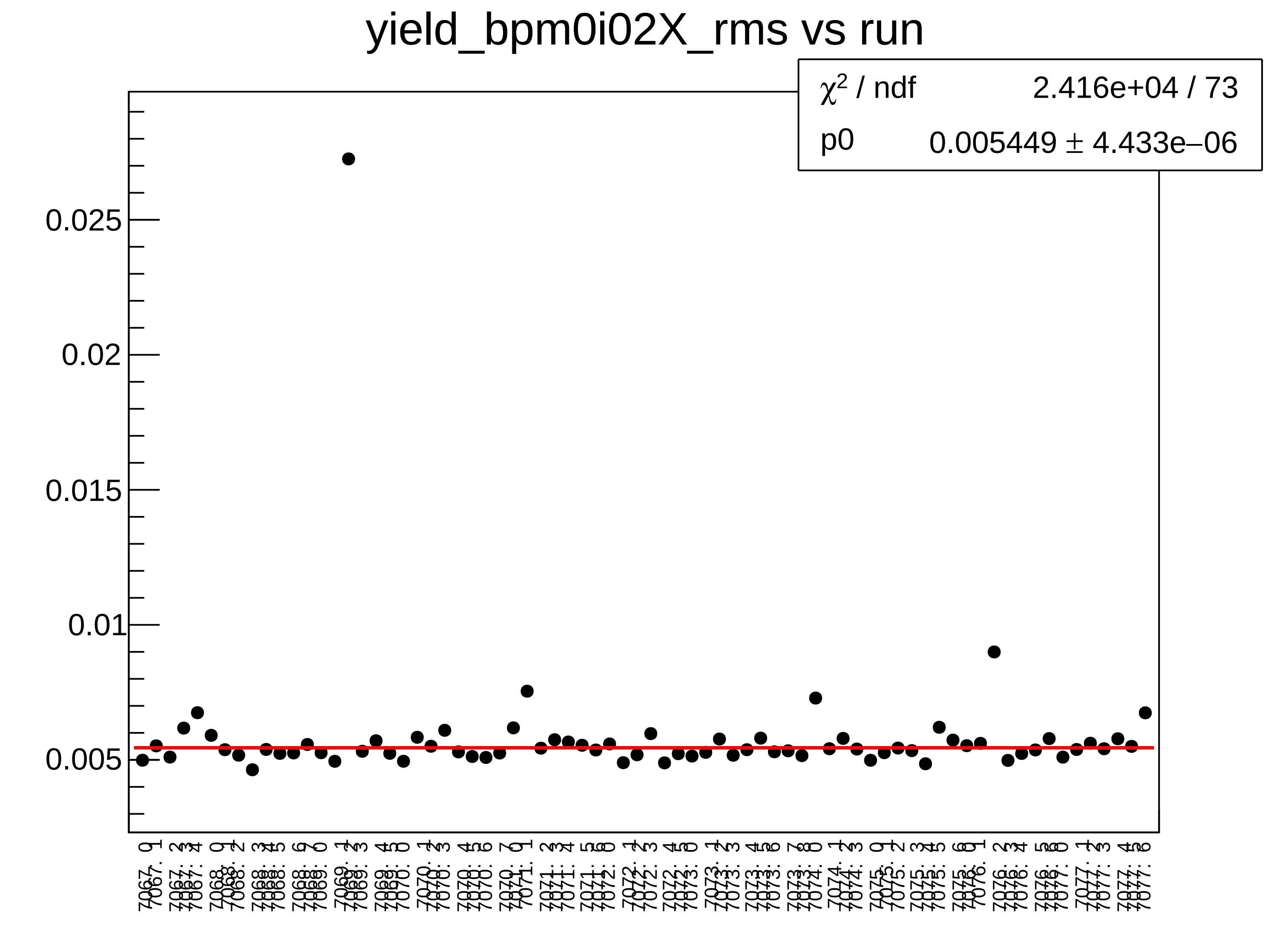
yield_bpm16X_rms vs run
χ^2 / ndf 1.425e+05 / 73
p0 0.009839 ± 8.338e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

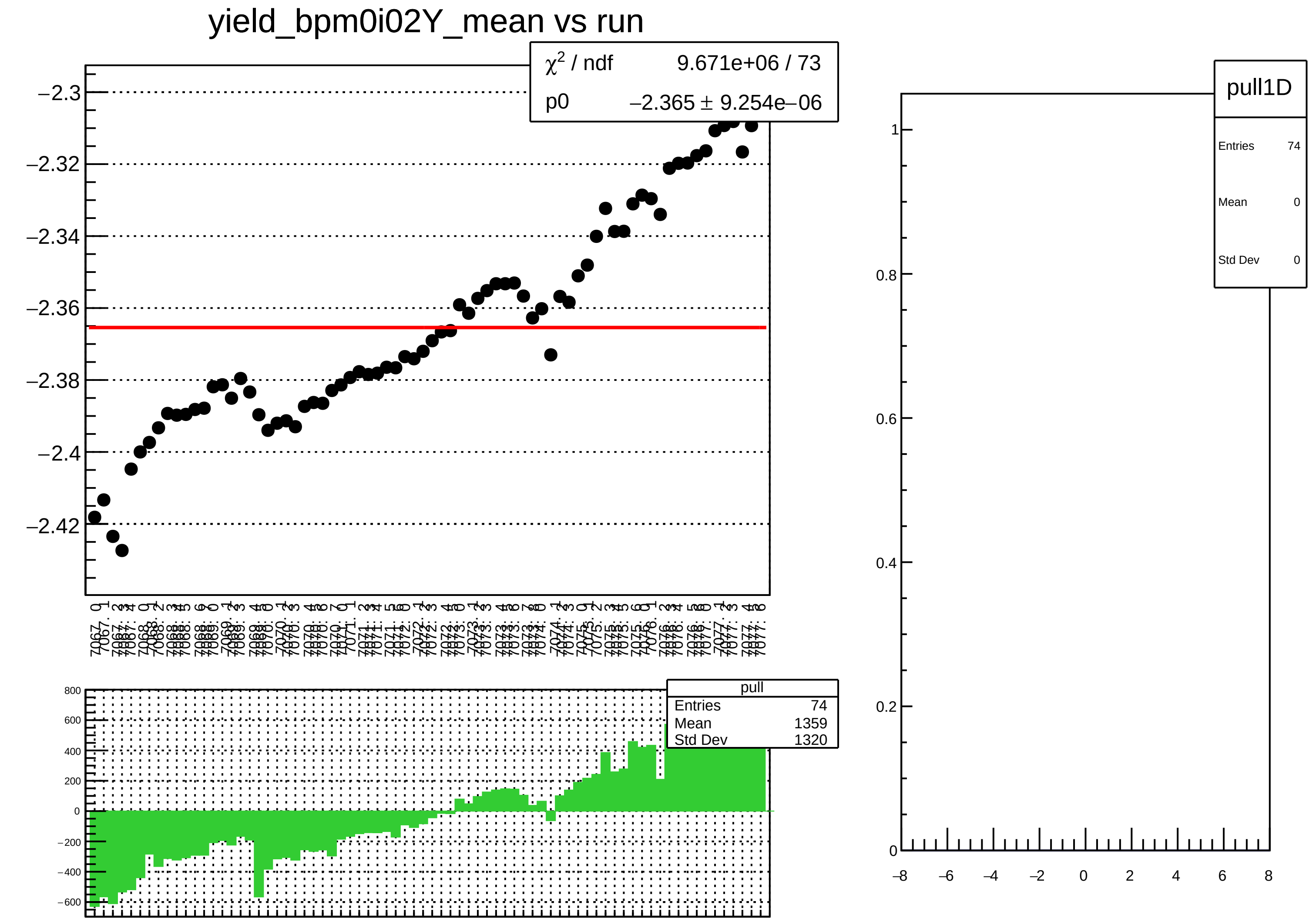

yield_bpm16Y_mean vs run
χ^2 / ndf 3.534e+04 / 73
p0 −0.227 ± 6.684e−06
pull
Entries 74
Mean 49.4
Std Dev 61.79
pull1D
Entries 74
Mean 1.334
Std Dev 3.852


yield_bpm16Y_rms vs run
χ^2 / ndf 5.223e+04 / 73
p0 0.005755 ± 4.726e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

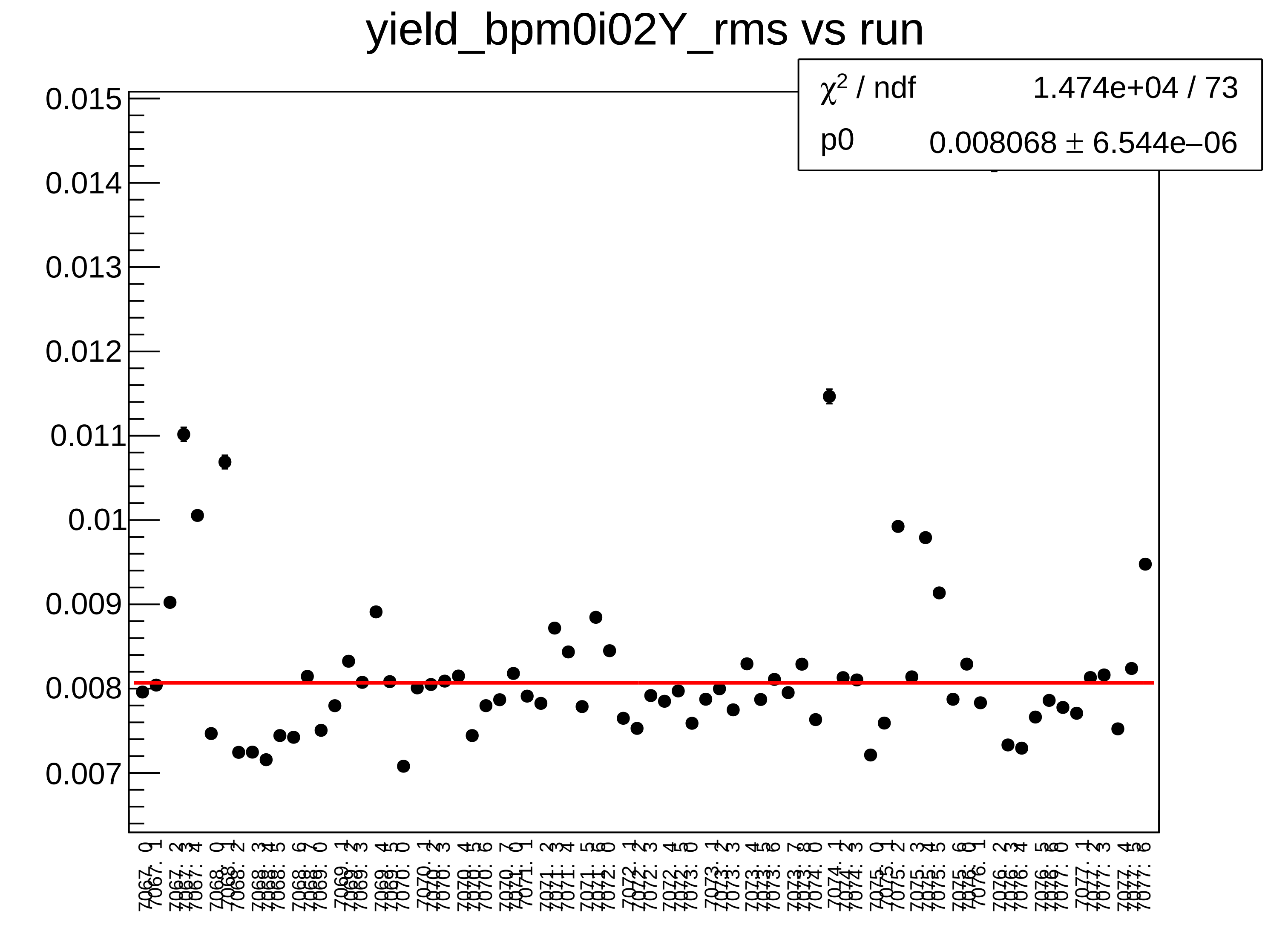


yield_bpm0i02X_mean vs run
χ^2 / ndf 2.49e+06 / 73
p0 −0.1275 ± 6.27e−06
pull
Entries 74
Mean 177.2
Std Dev 119.5
pull1D
Entries 74
Mean 1.819
Std Dev 2.69

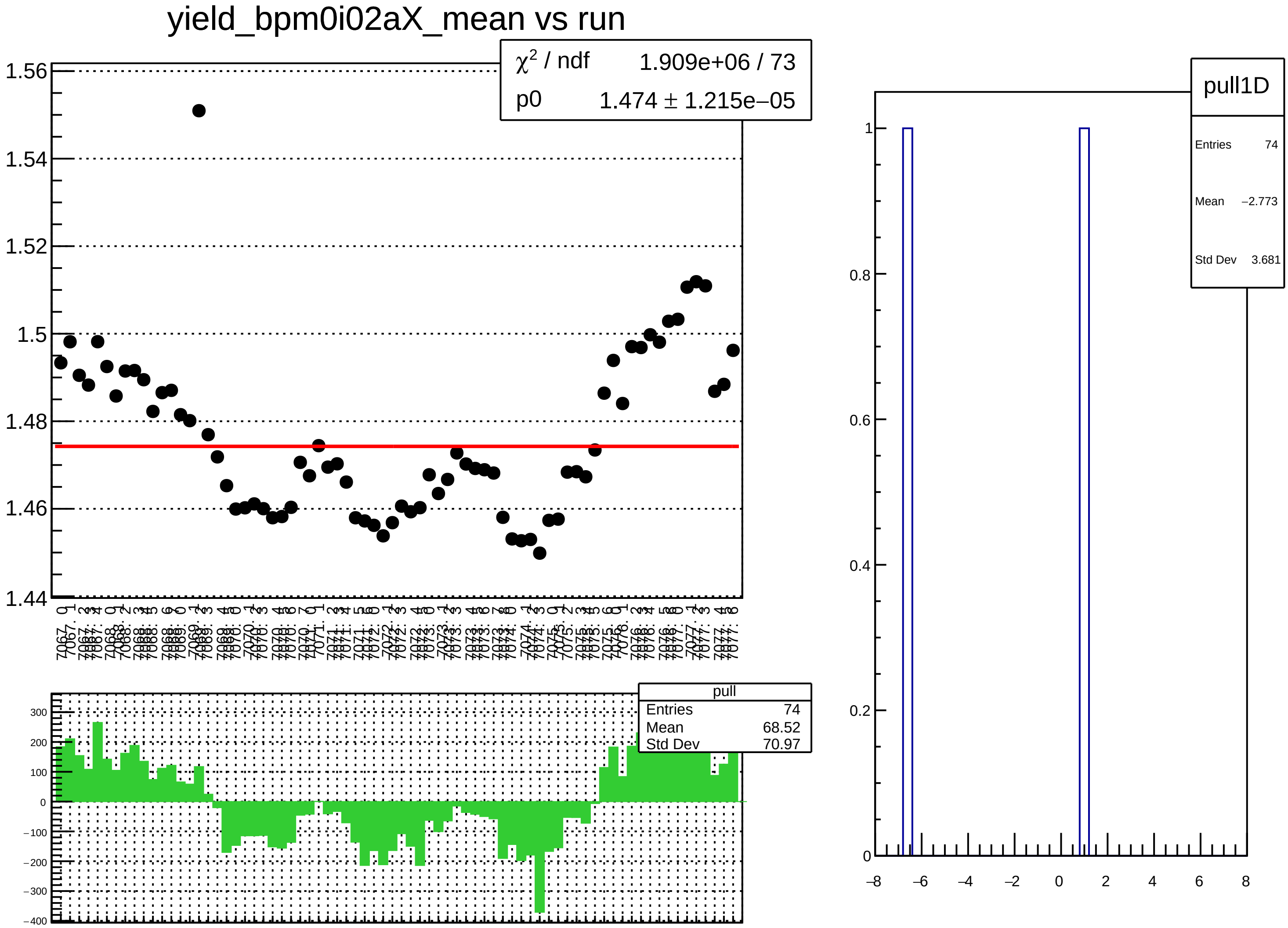

yield_bpm0i02X_rms vs run
χ^2 / ndf 2.416e+04 / 73
p0 0.005449 ± 4.433e−06
0.025
0.02
0.015
0.01
0.005



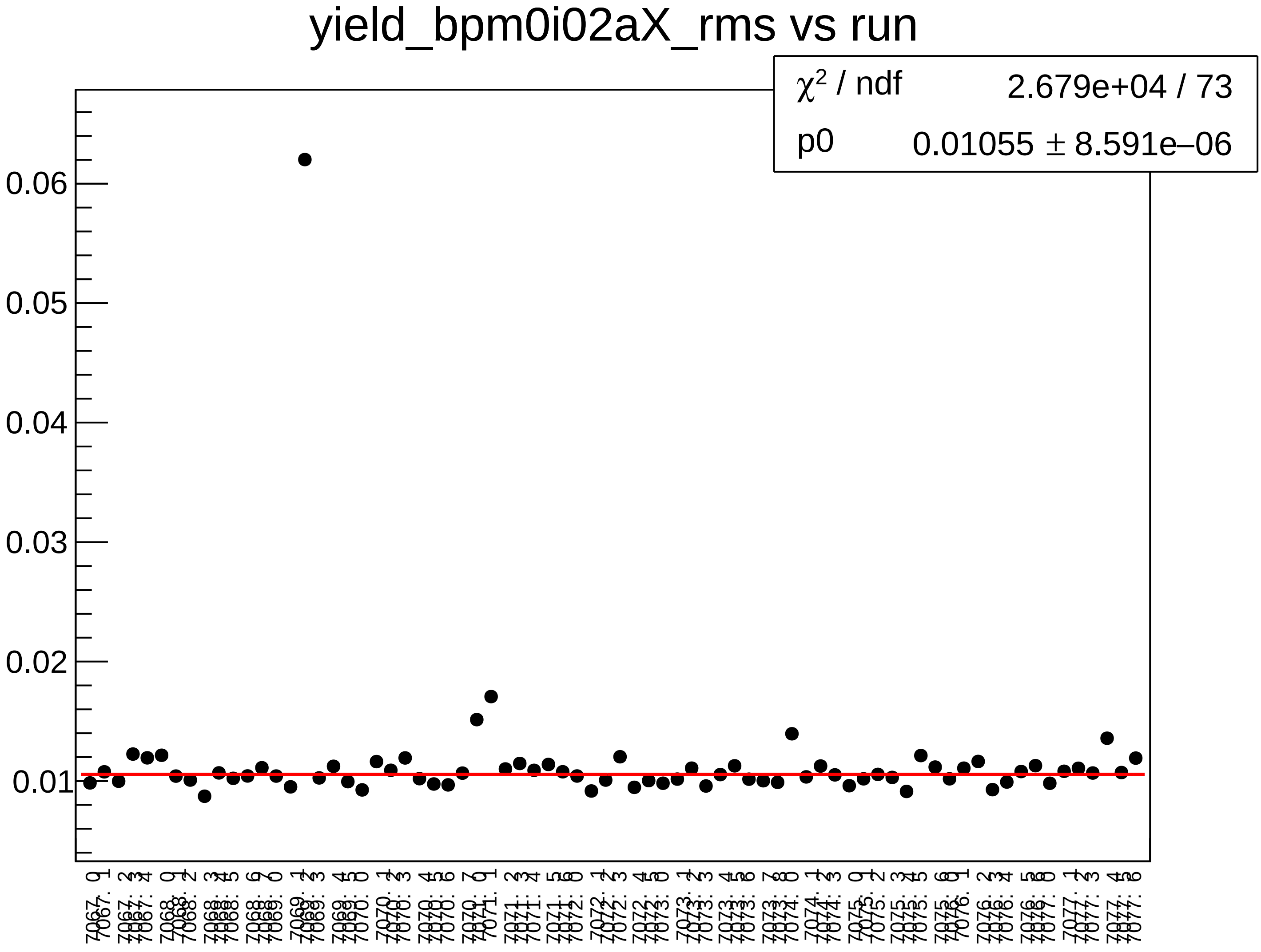
yield_bpm0i02Y_mean vs run
χ^2 / ndf 9.671e+06 / 73
p0 −2.365 ± 9.254e−06
pull
Entries 74
Mean 1359
Std Dev 1320
pull1D
Entries 74
Mean 0
Std Dev 0



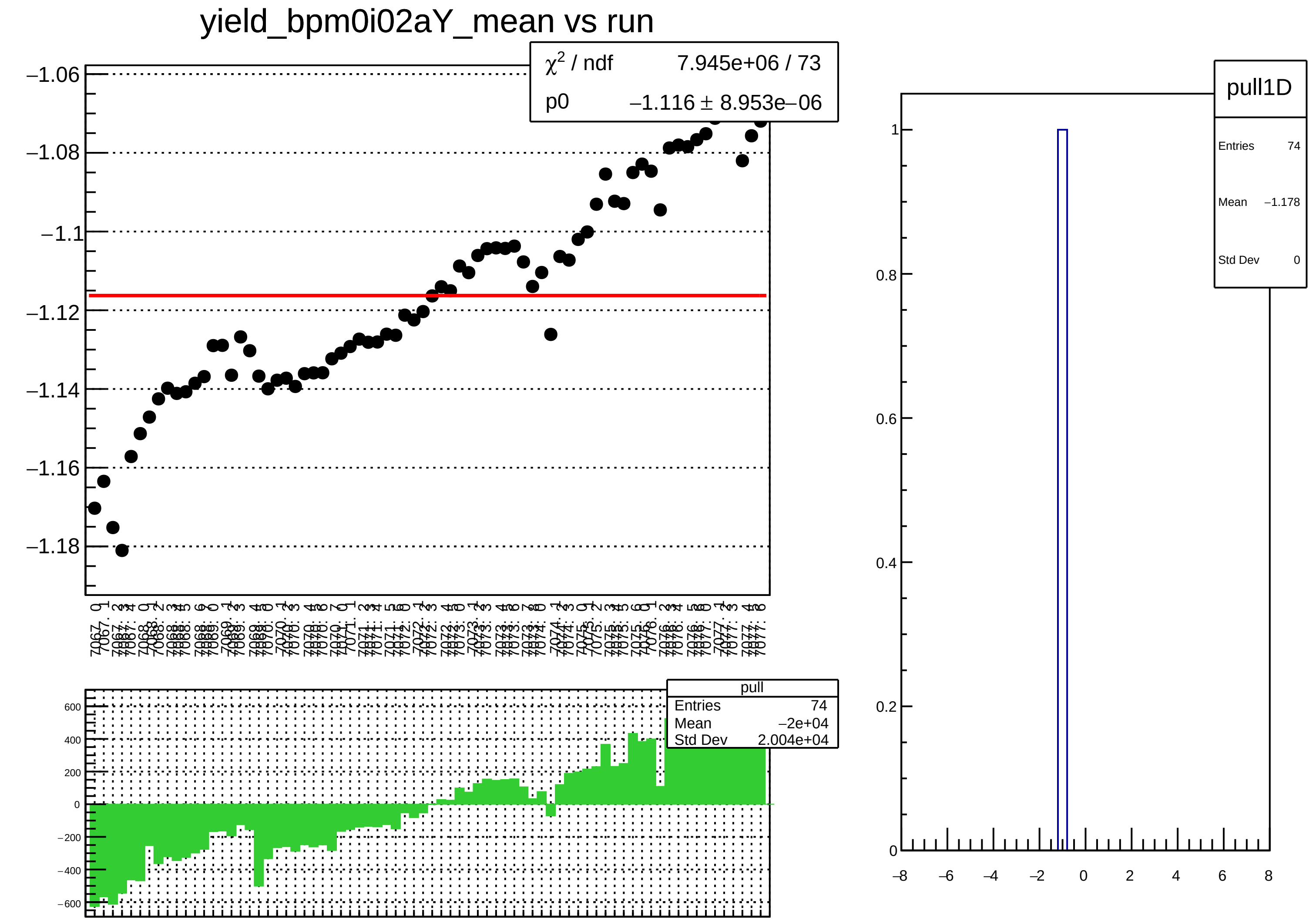
yield_bpm0i02Y_rms vs run
χ^2 / ndf 1.474e+04 / 73
p0 0.008068 ± 6.544e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007



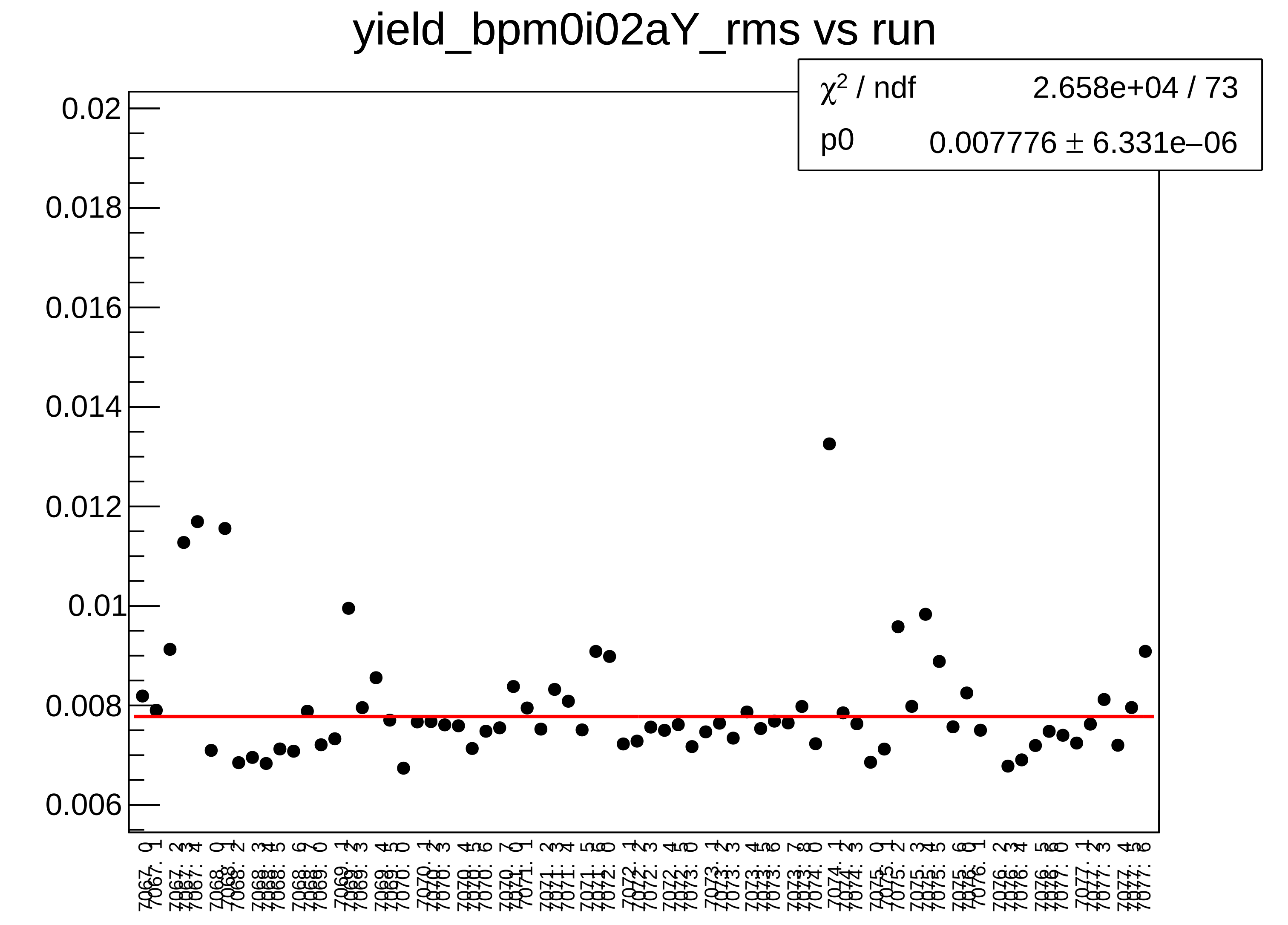
yield_bpm0i02aX_mean vs run
χ^2 / ndf 1.909e+06 / 73
p0 1.474 ± 1.215e−05
pull
Entries 74
Mean 68.52
Std Dev 70.97
pull1D
Entries 74
Mean −2.773
Std Dev 3.681



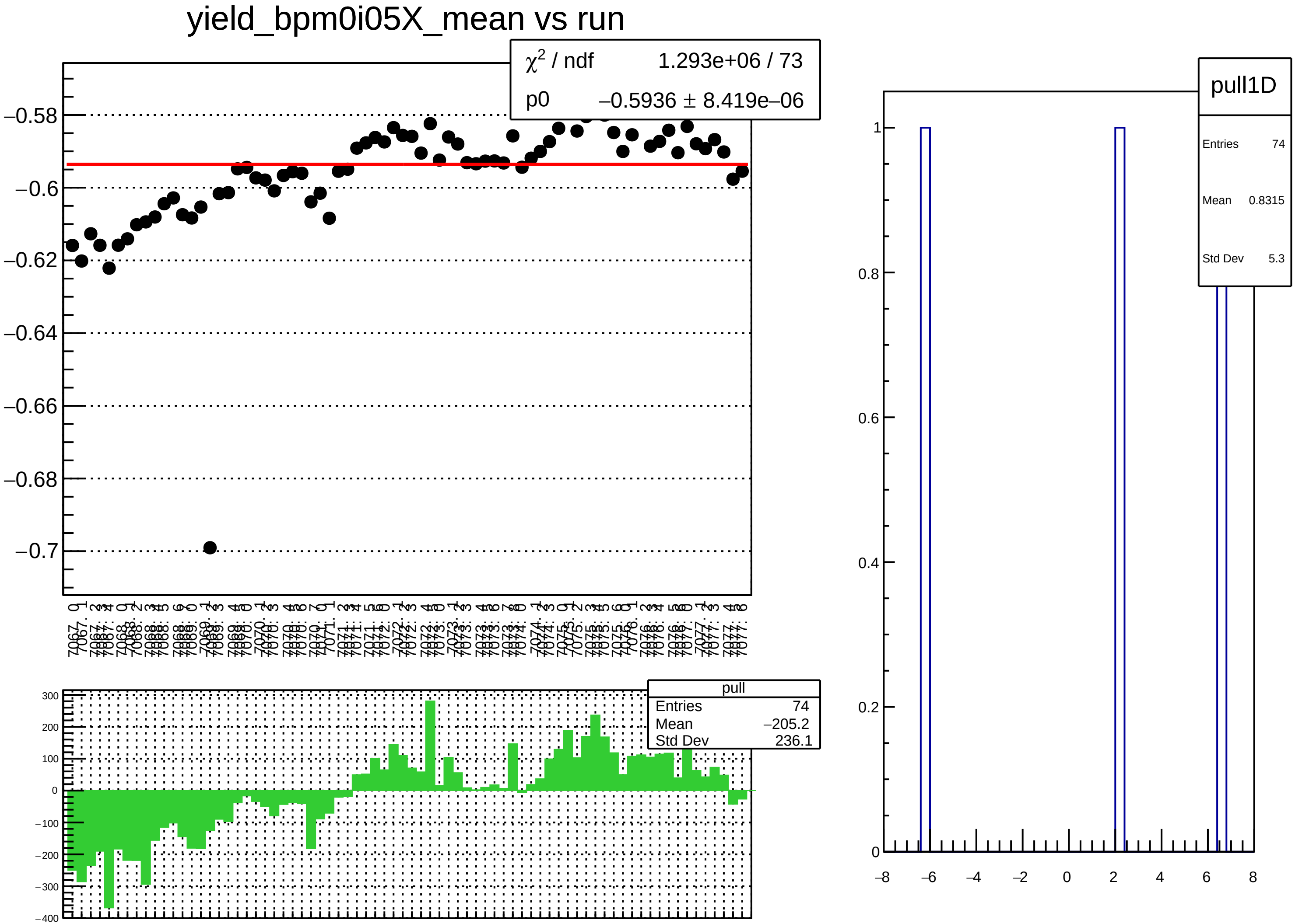
yield_bpm0i02aX_rms vs run
χ^2 / ndf 2.679e+04 / 73
p0 0.01055 ± 8.591e−06
0.06
0.05
0.04
0.03
0.02
0.01

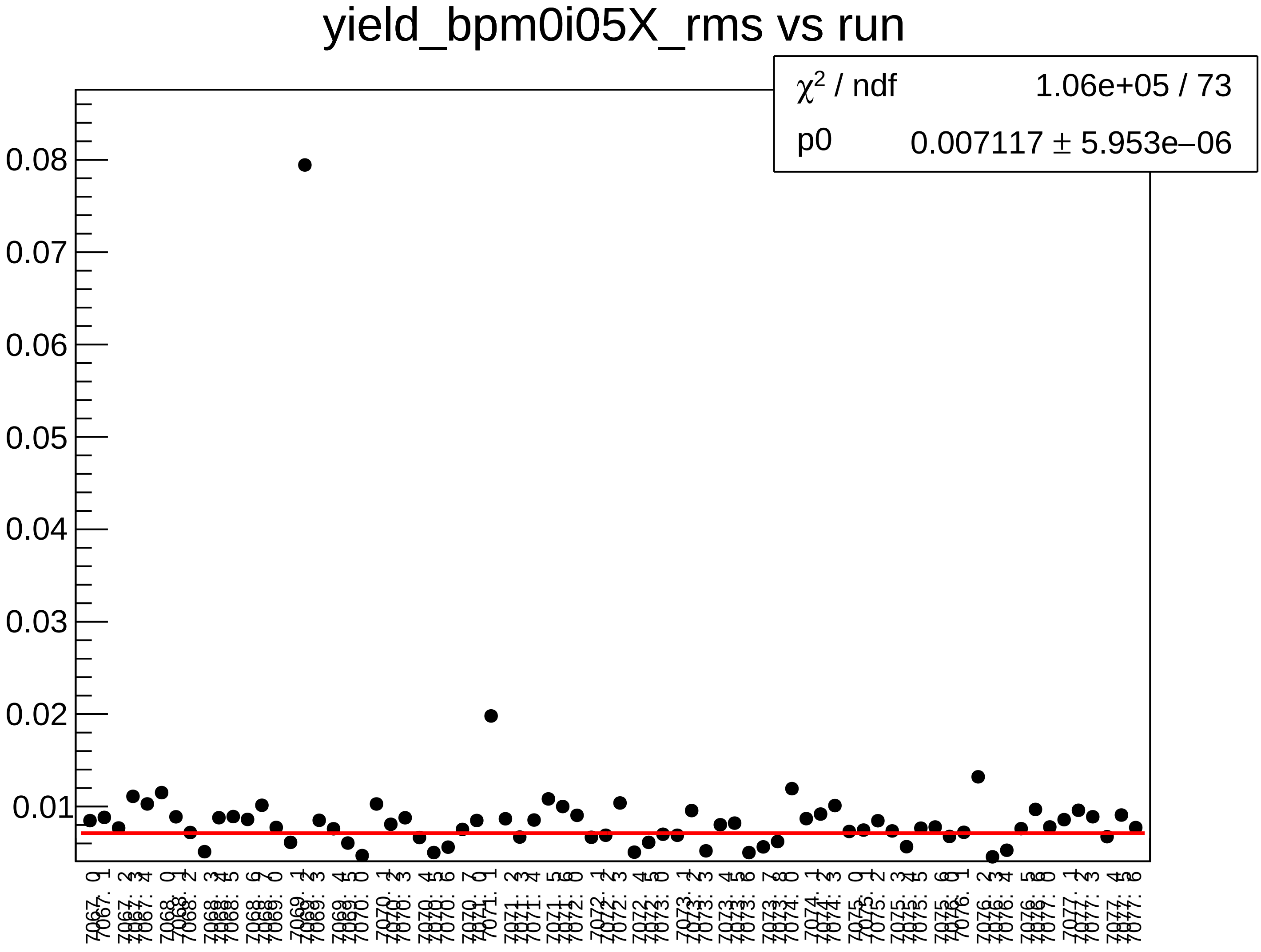


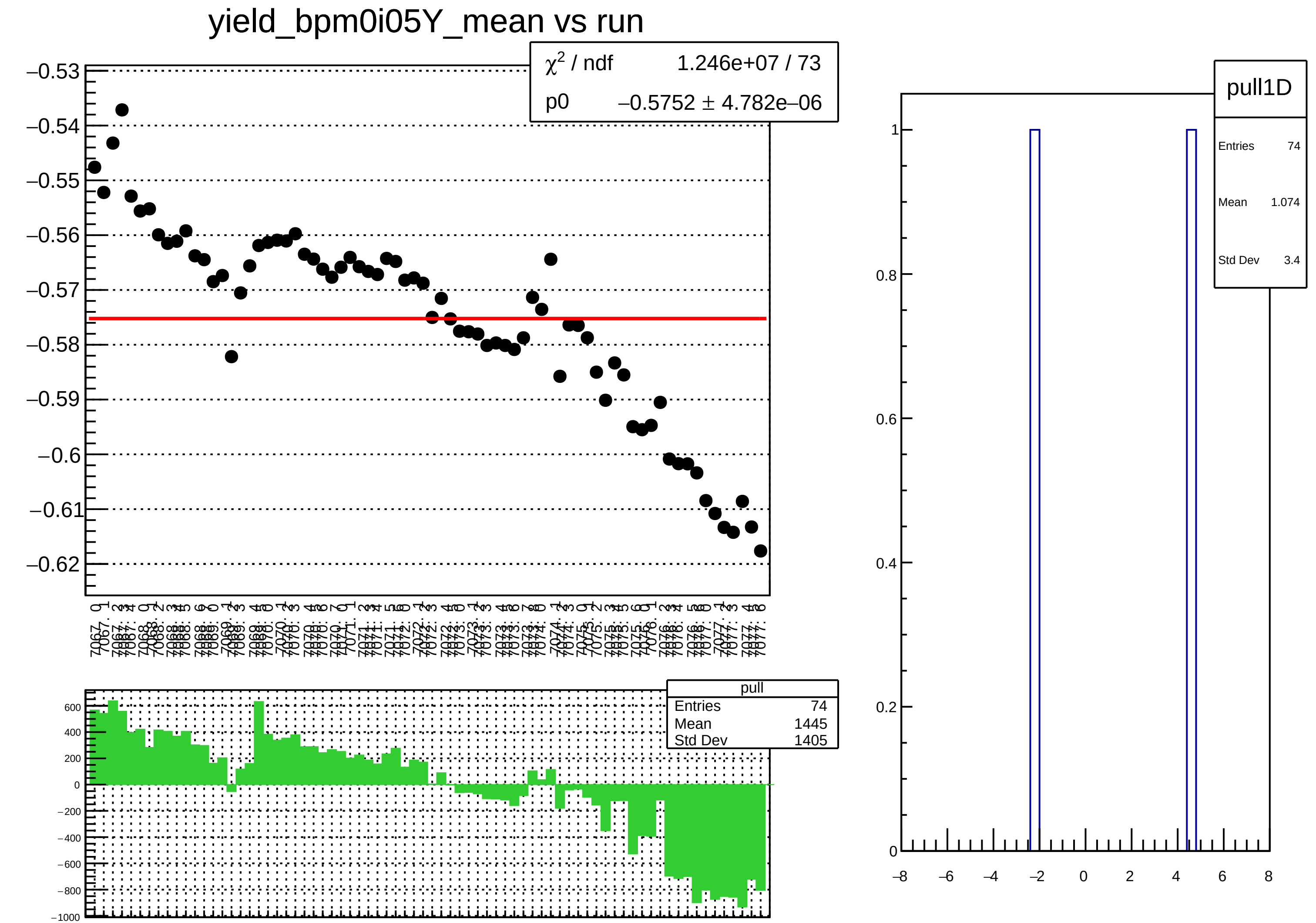
yield_bpm0i02aY_mean vs run
χ2 / ndf 7.945e+06 / 73
p0 −1.116 ± 8.953e−06
pull
Entries 74
Mean −2e+04
Std Dev 2.004e+04
pull1D
Entries 74
Mean −1.178
Std Dev 0

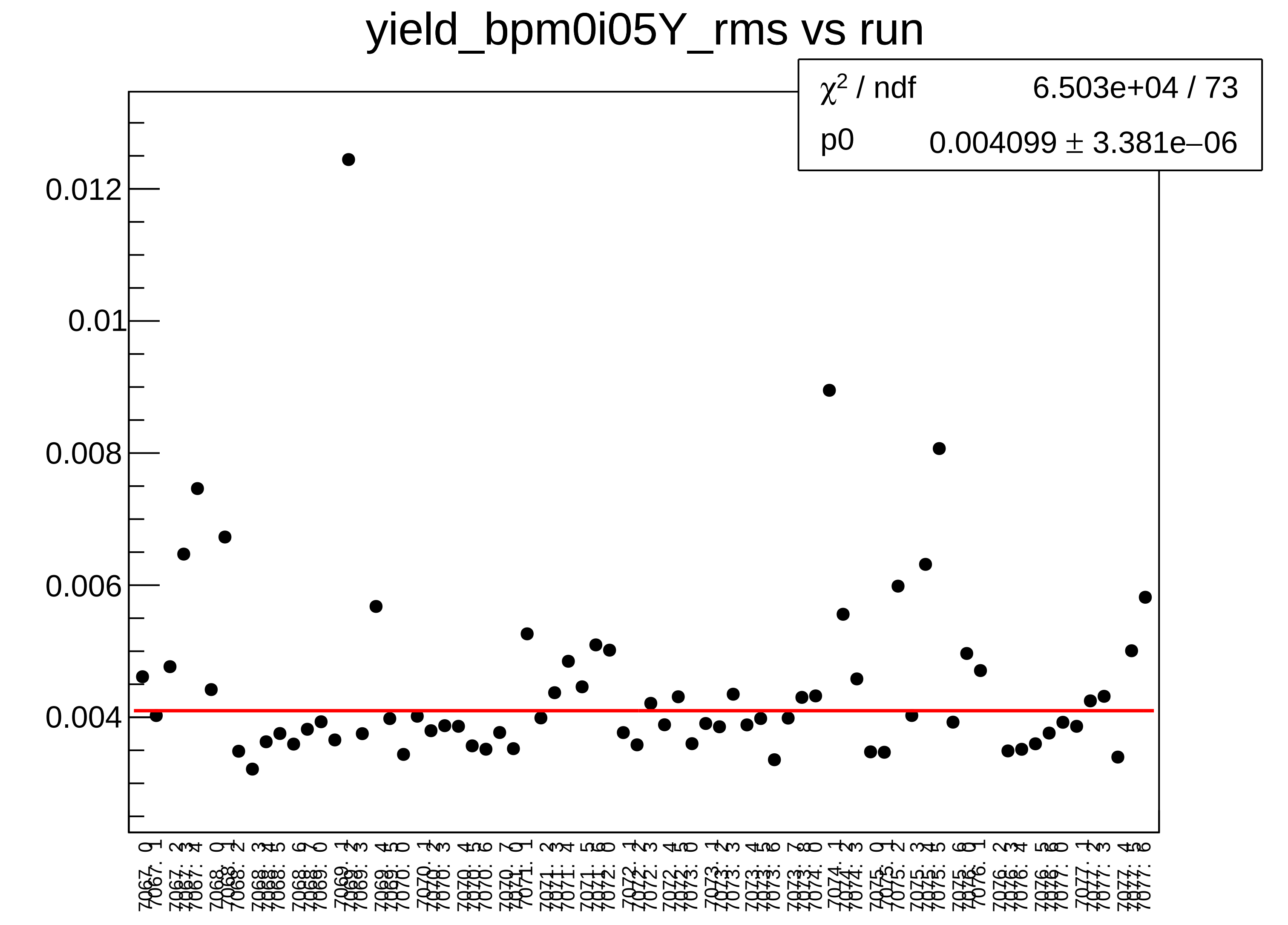


yield_bpm0i02aY_rms vs run
χ^2 / ndf 2.658e+04 / 73
p0 0.007776 ± 6.331e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

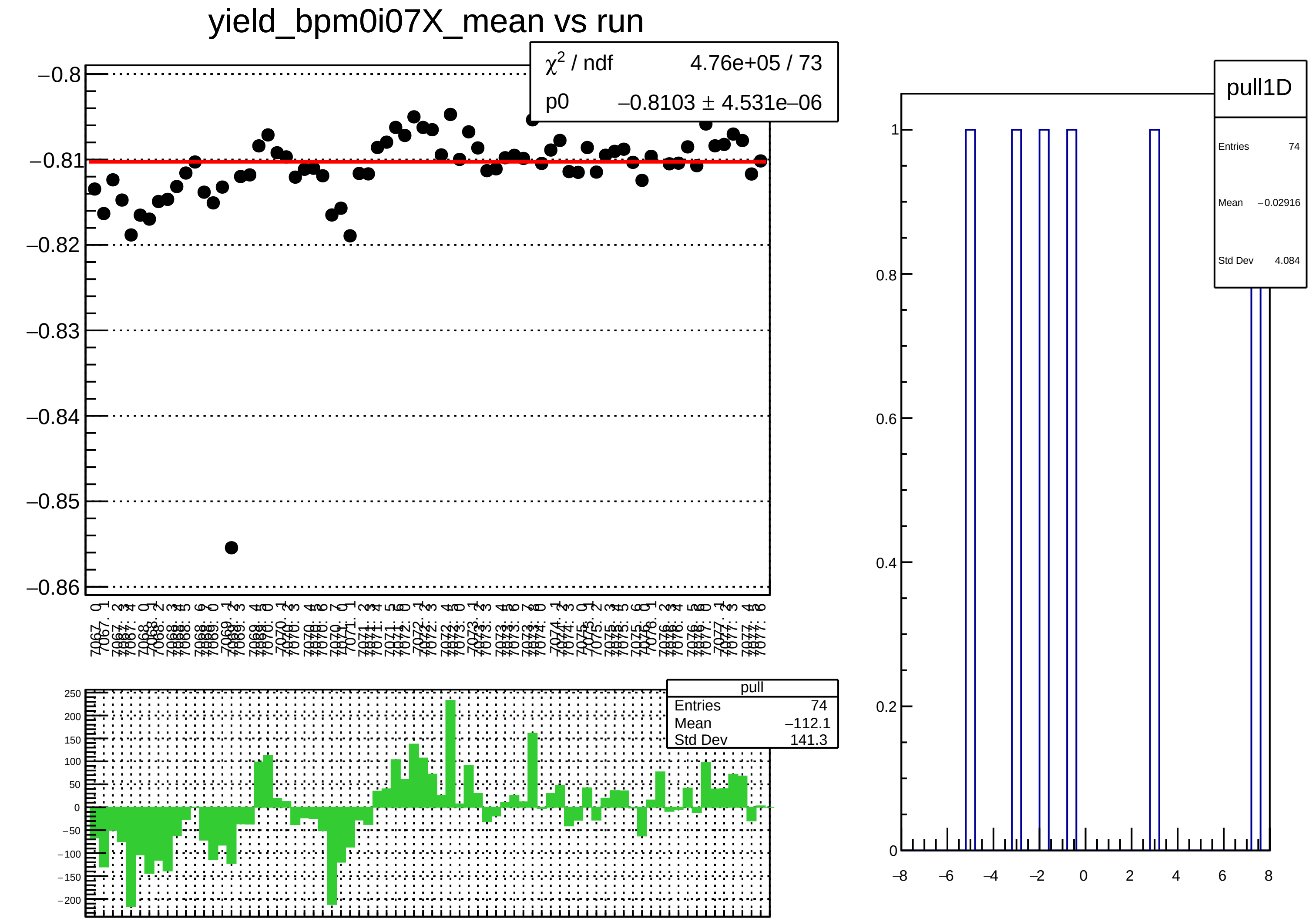

yield_bpm0i05X_mean vs run
χ2 / ndf 1.293e+06 / 73
p0 −0.5936 ± 8.419e−06
pull
Entries 74
Mean −205.2
Std Dev 236.1
pull1D
Entries 74
Mean 0.8315
Std Dev 5.3


yield_bpm0i05X_rms vs run
χ^2 / ndf 1.06e+05 / 73
p0 0.007117 ± 5.953e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

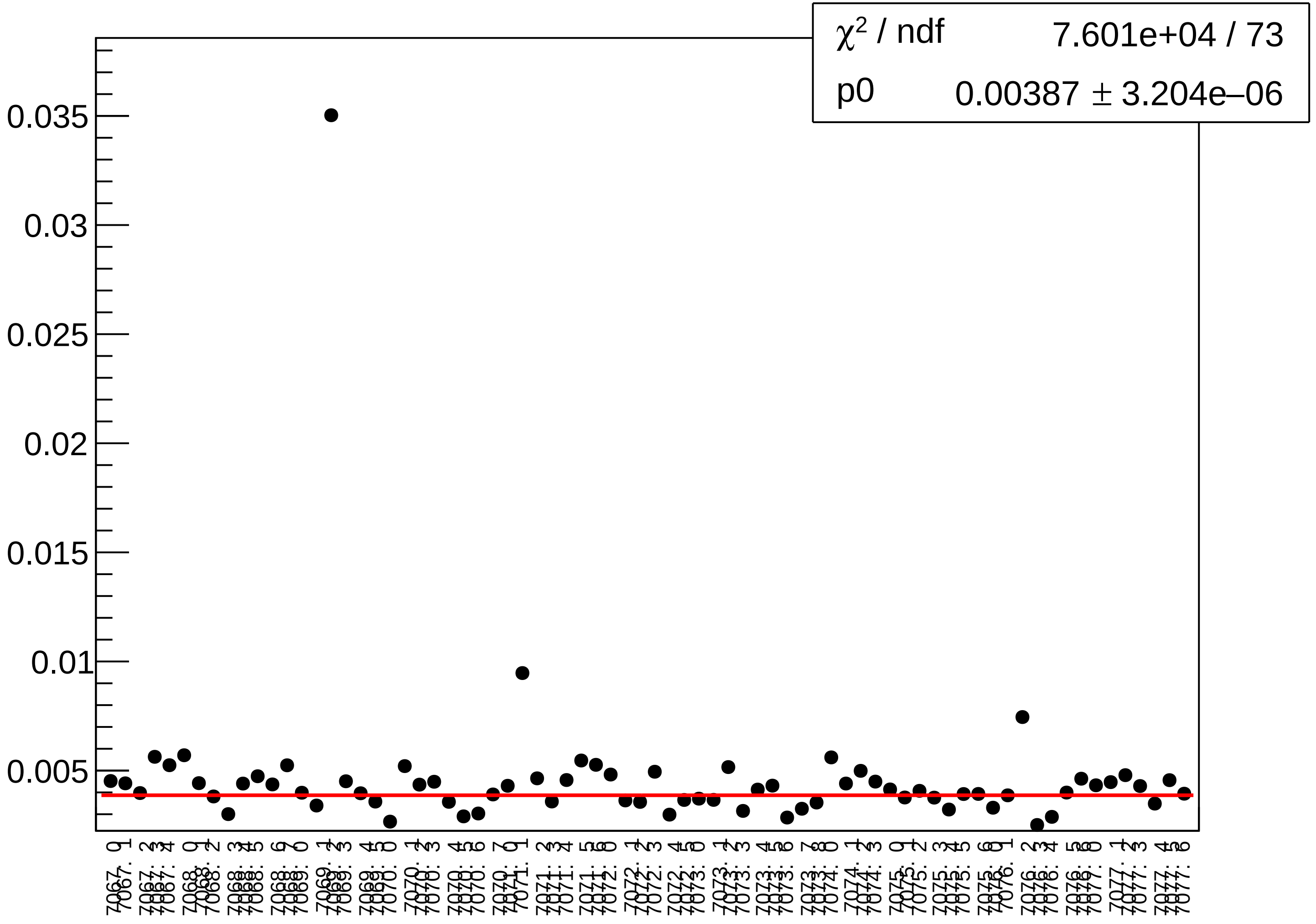

yield_bpm0i05Y_mean vs run
χ^2 / ndf 1.246e+07 / 73
p0 −0.5752 ± 4.782e−06
−0.53
−0.54
−0.55
−0.56
−0.57
−0.58
−0.59
−0.6
−0.61
−0.62
pull
Entries 74
Mean 1445
Std Dev 1405
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 74
Mean 1.074
Std Dev 3.4
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

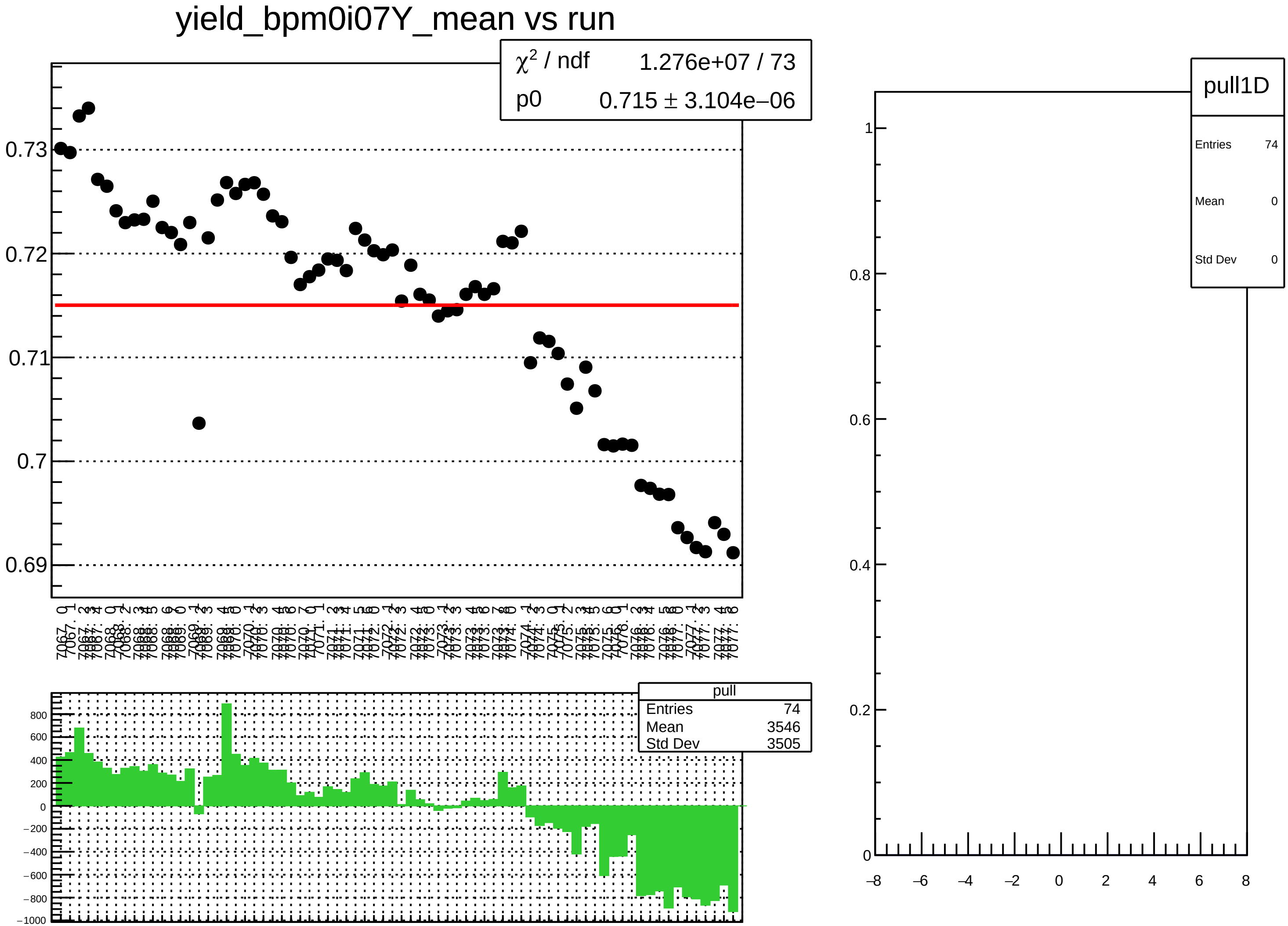


yield_bpm0i05Y_rms vs run
χ^2 / ndf 6.503e+04 / 73
p0 0.004099 ± 3.381e−06
0.012
0.01
0.008
0.006
0.004

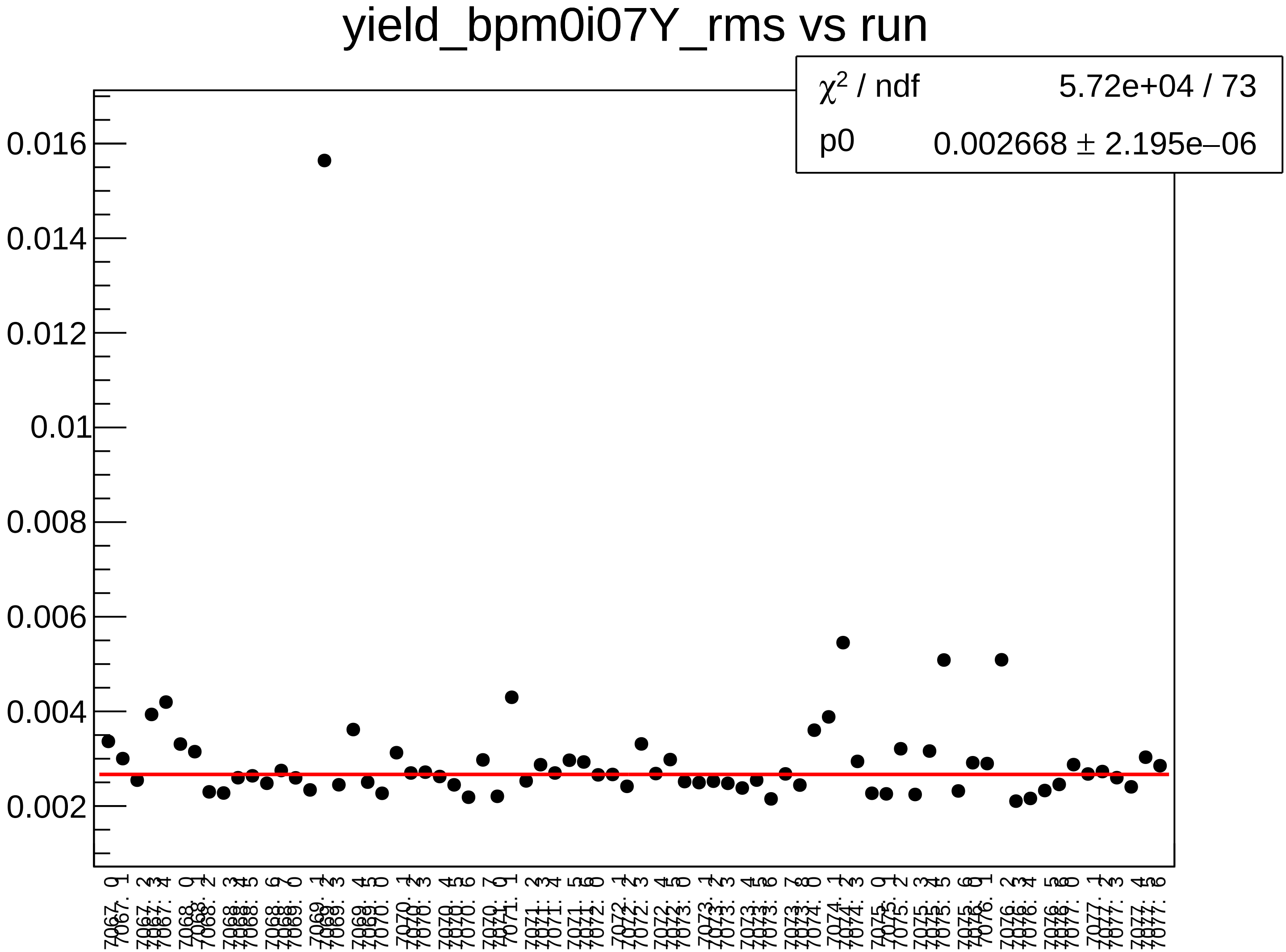

yield_bpm0i07X_mean vs run
χ2 / ndf 4.76e+05 / 73
p0 −0.8103 ± 4.531e−06
pull
Entries 74
Mean −112.1
Std Dev 141.3
pull1D
Entries 74
Mean −0.02916
Std Dev 4.084

yield_bpm0i07X_rms vs run

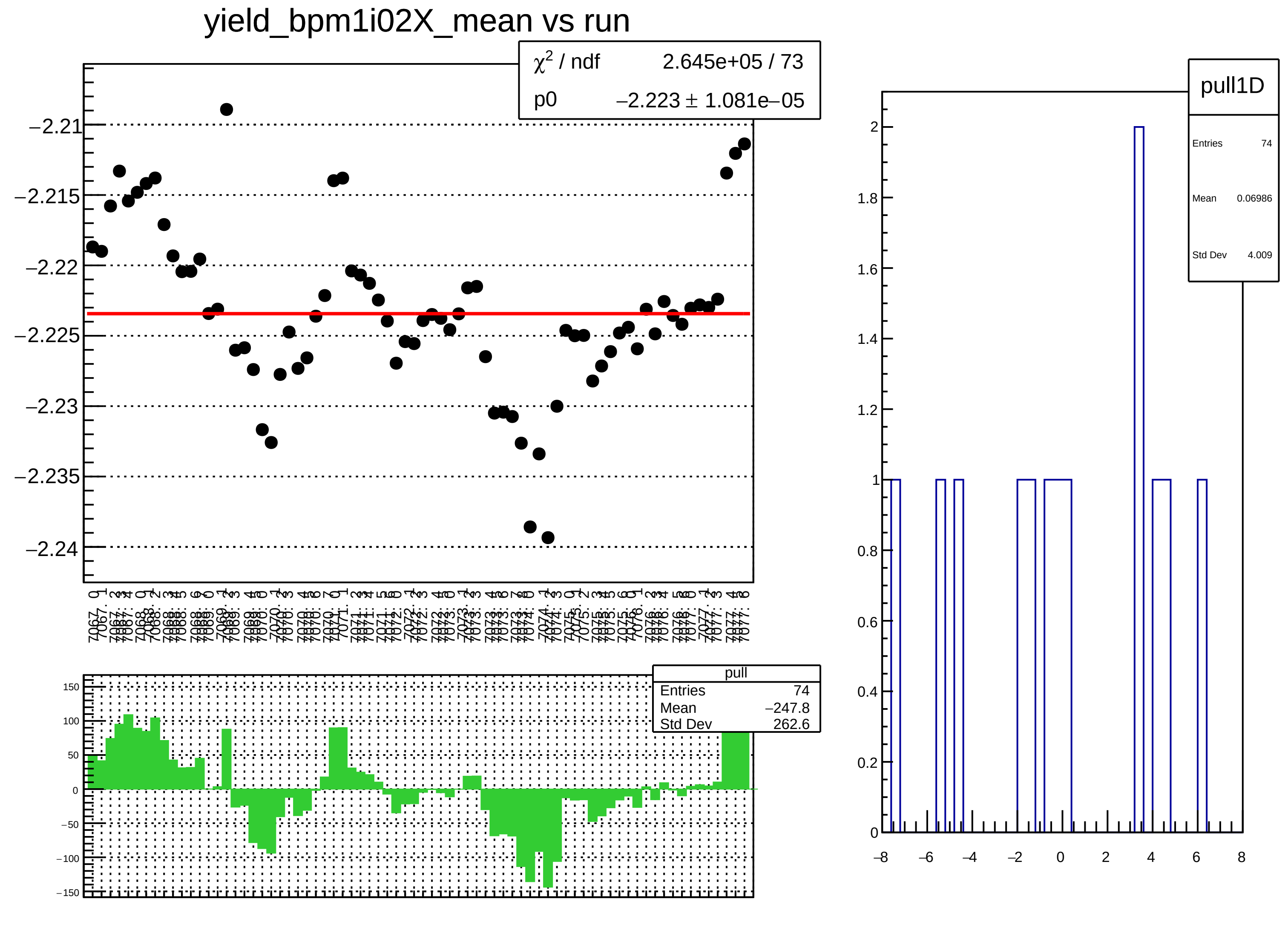




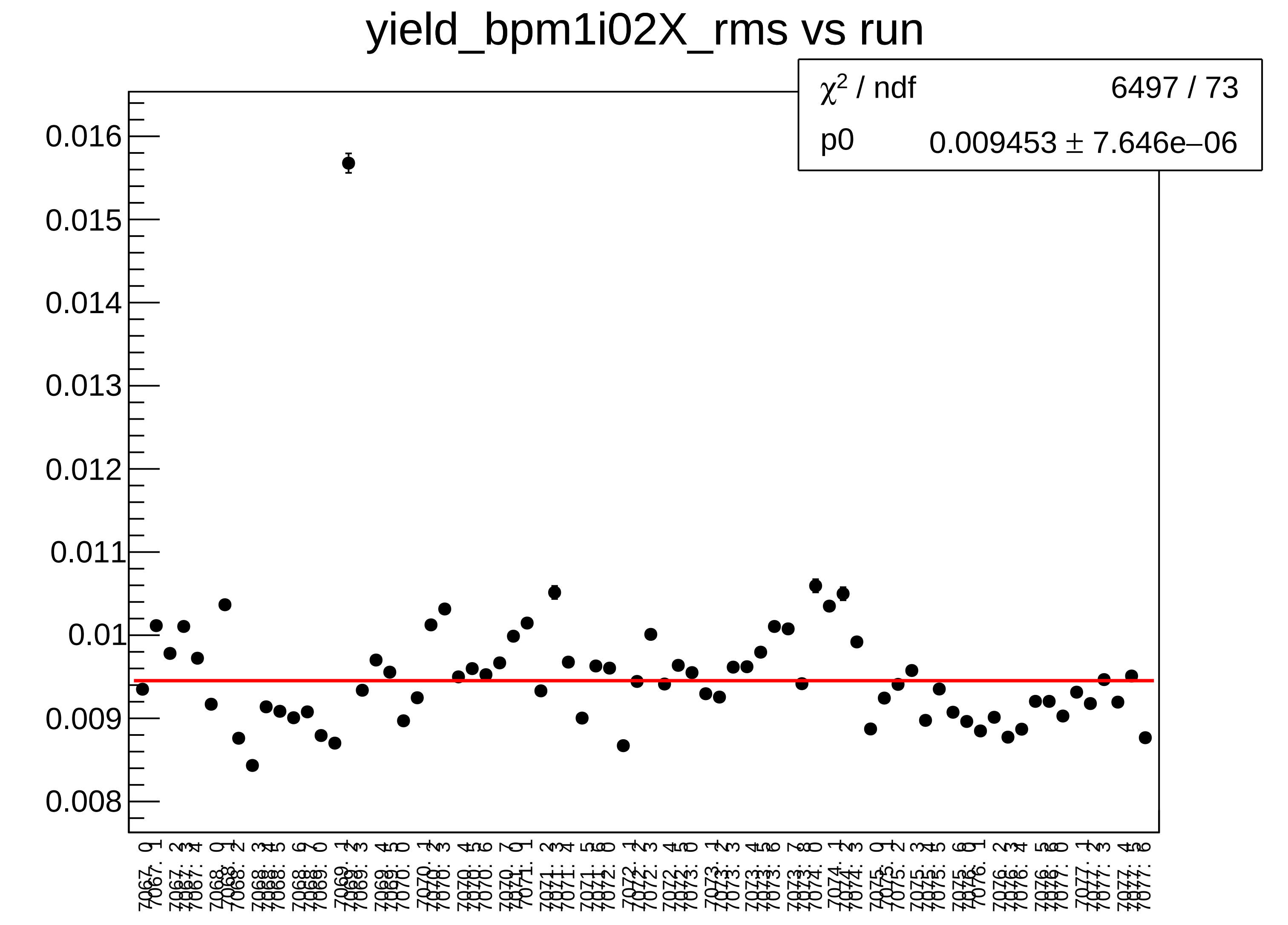
yield_bpm0i07Y_mean vs run
χ^2 / ndf 1.276e+07 / 73
p0 0.715 ± 3.104e−06
0.73
0.72
0.71
0.7
0.69
pull
Entries 74
Mean 3546
Std Dev 3505
800
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



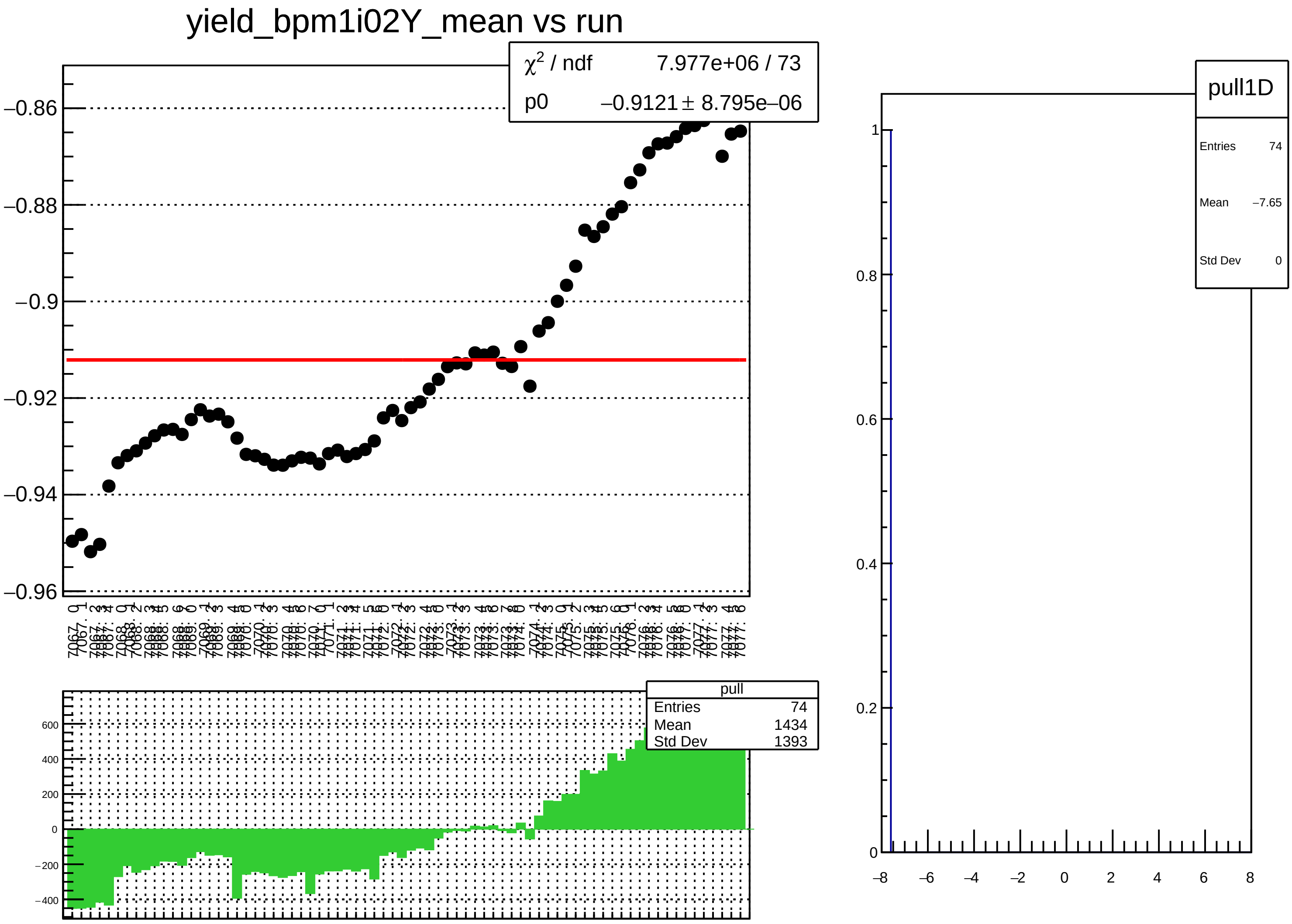
yield_bpm0i07Y_rms vs run
χ^2 / ndf 5.72e+04 / 73
p0 0.002668 ± 2.195e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002



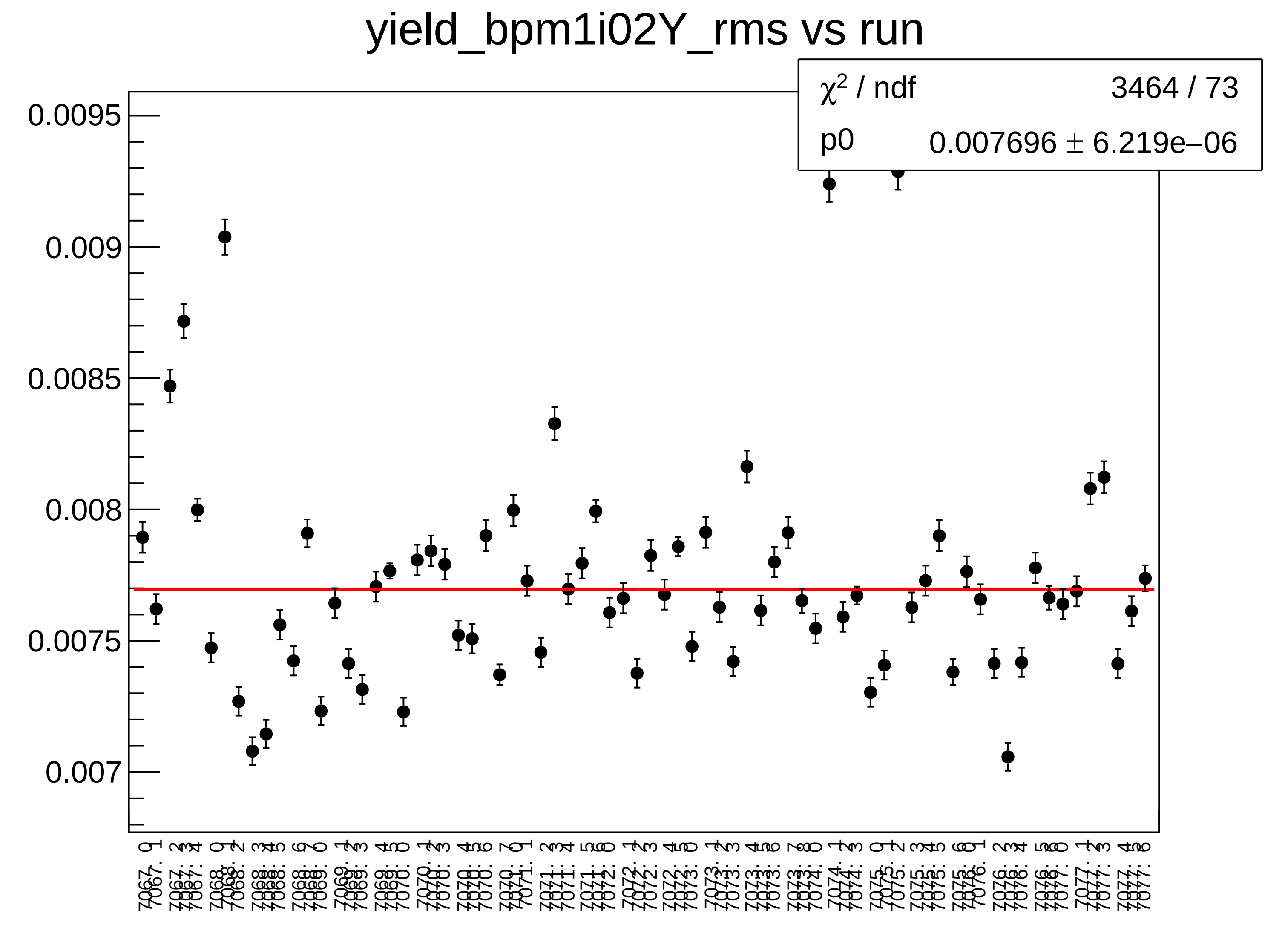
yield_bpm1i02X_mean vs run
χ2 / ndf 2.645e+05 / 73
p0 −2.223 ± 1.081e−05
pull
Entries 74
Mean −247.8
Std Dev 262.6
pull1D
Entries 74
Mean 0.06986
Std Dev 4.009



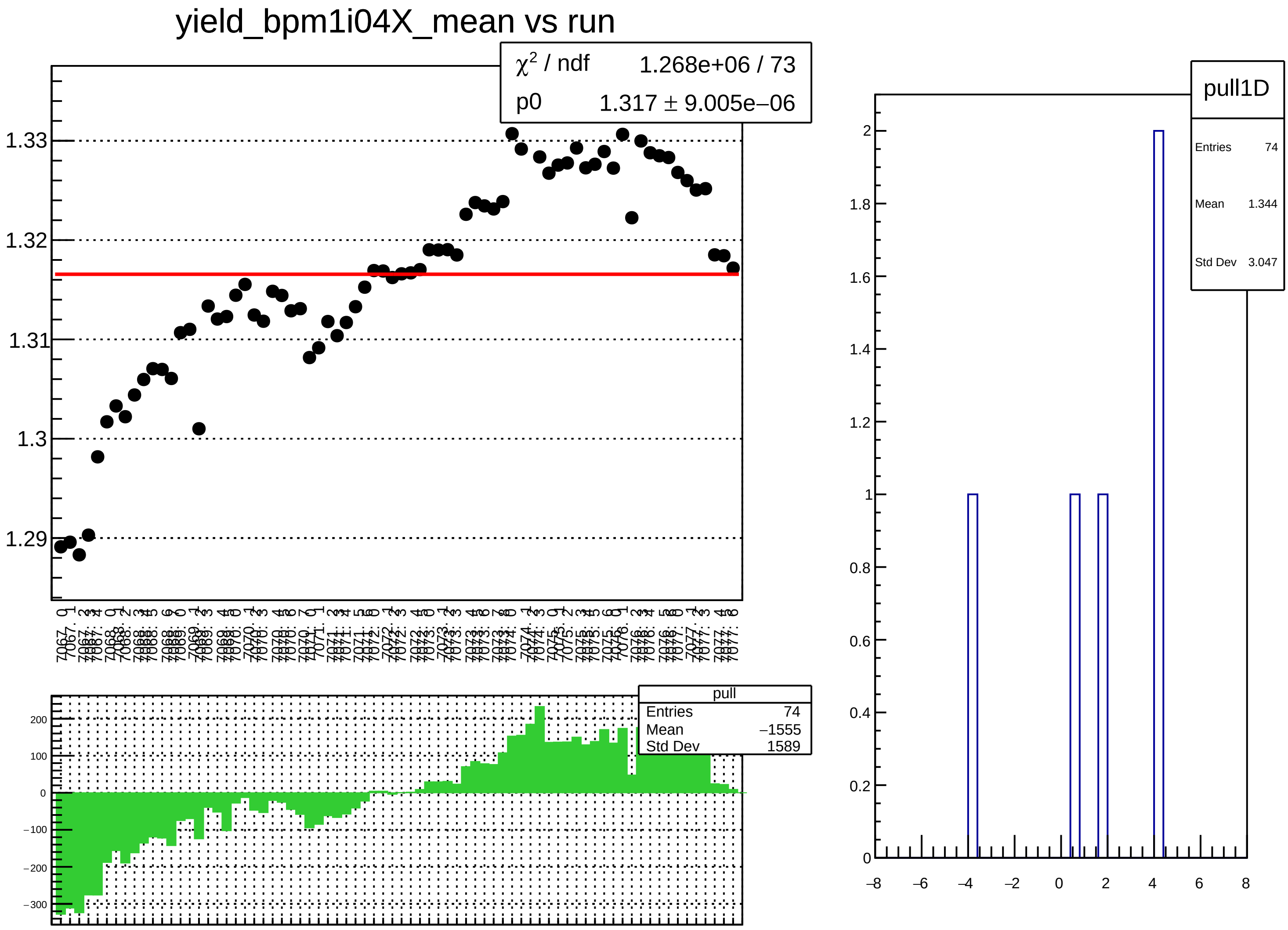
yield_bpm1i02X_rms vs run
χ^2 / ndf 6497 / 73
p0 0.009453 ± 7.646e−06
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008



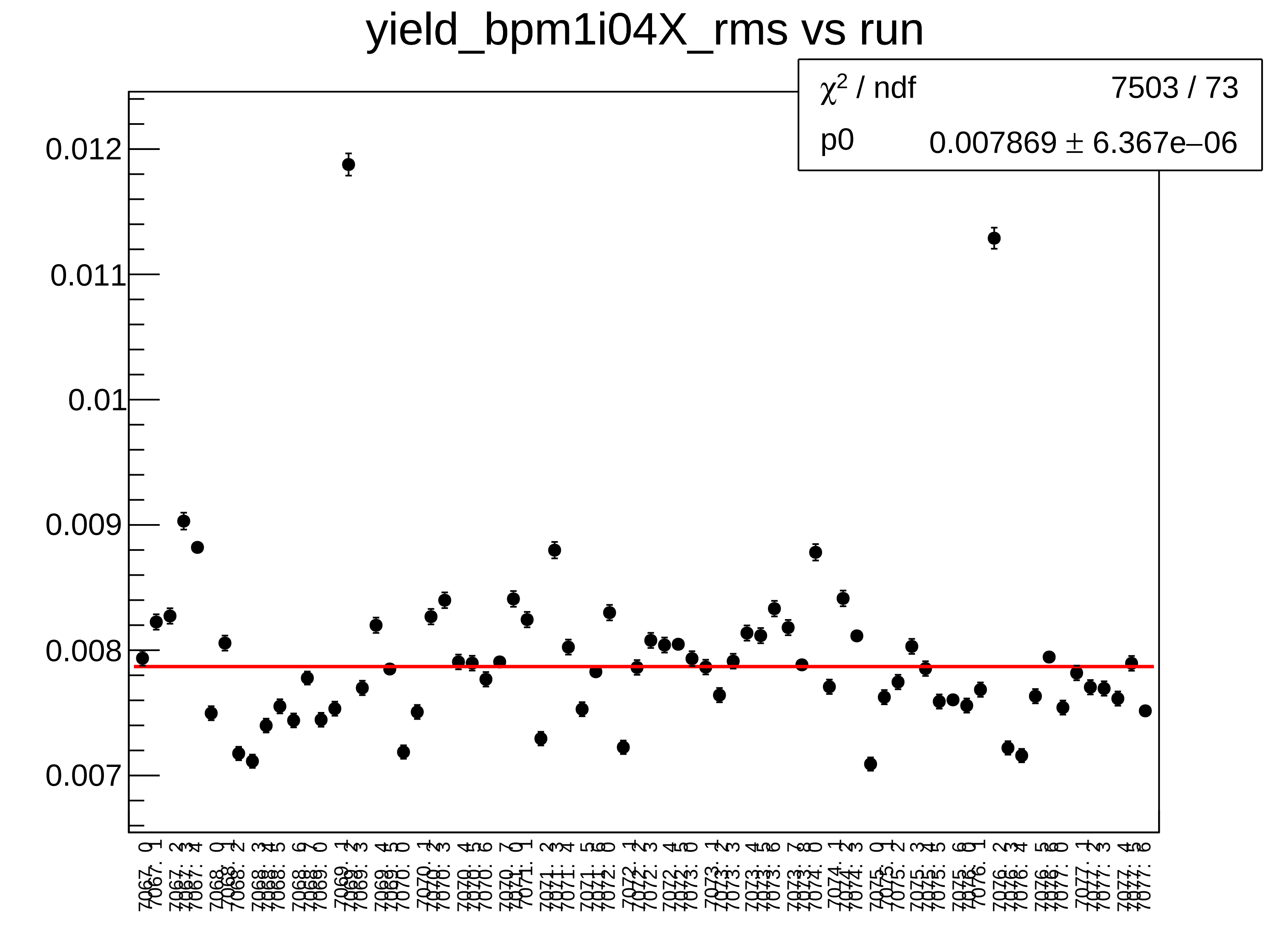
yield_bpm1i02Y_mean vs run
χ^2 / ndf 7.977e+06 / 73
p0 −0.9121 ± 8.795e−06
pull
Entries 74
Mean 1434
Std Dev 1393
pull1D
Entries 74
Mean −7.65
Std Dev 0

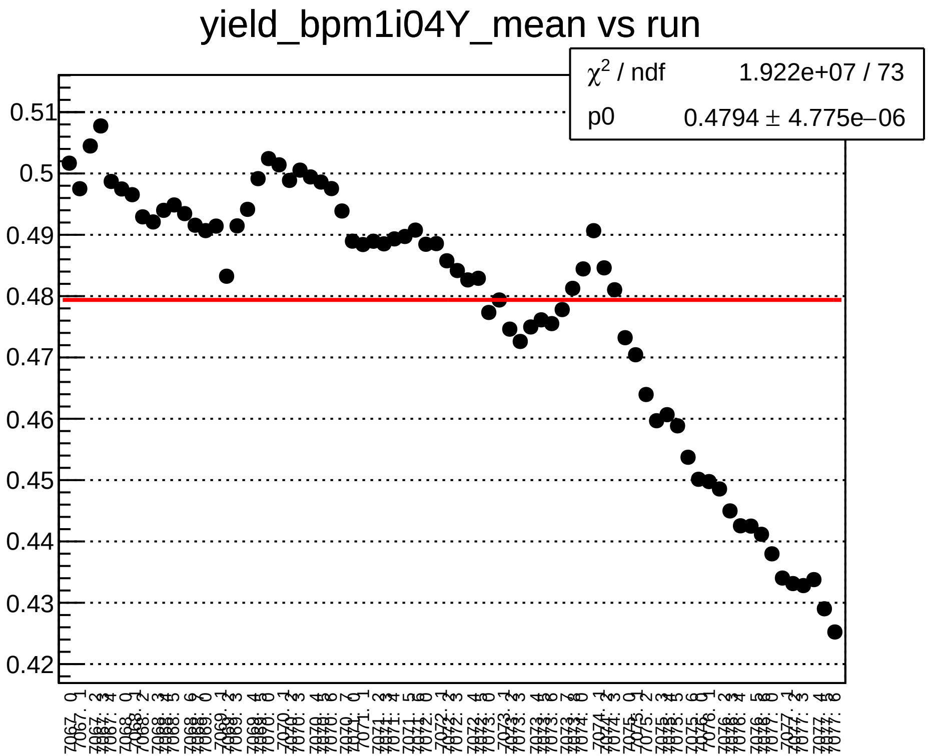


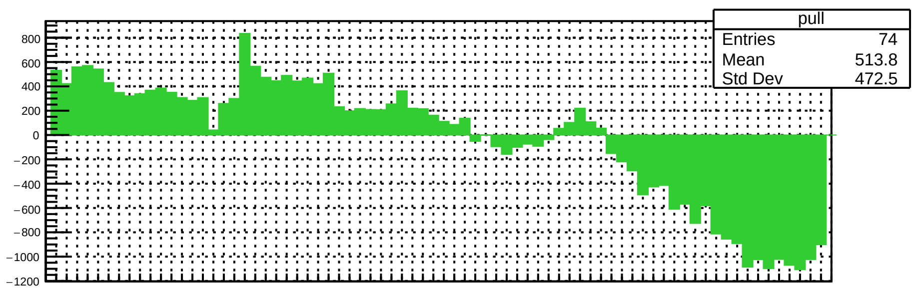
yield_bpm1i02Y_rms vs run
χ^2 / ndf 3464 / 73
p0 0.007696 ± 6.219e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007

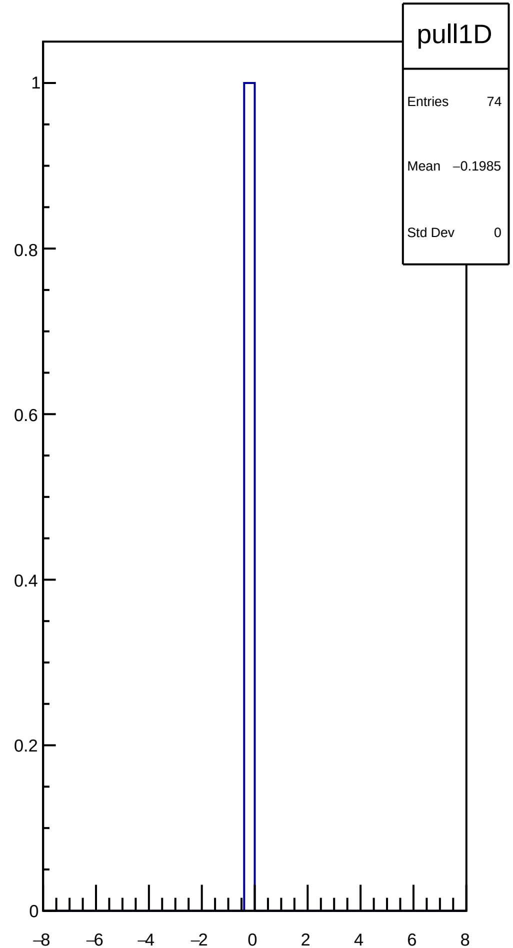


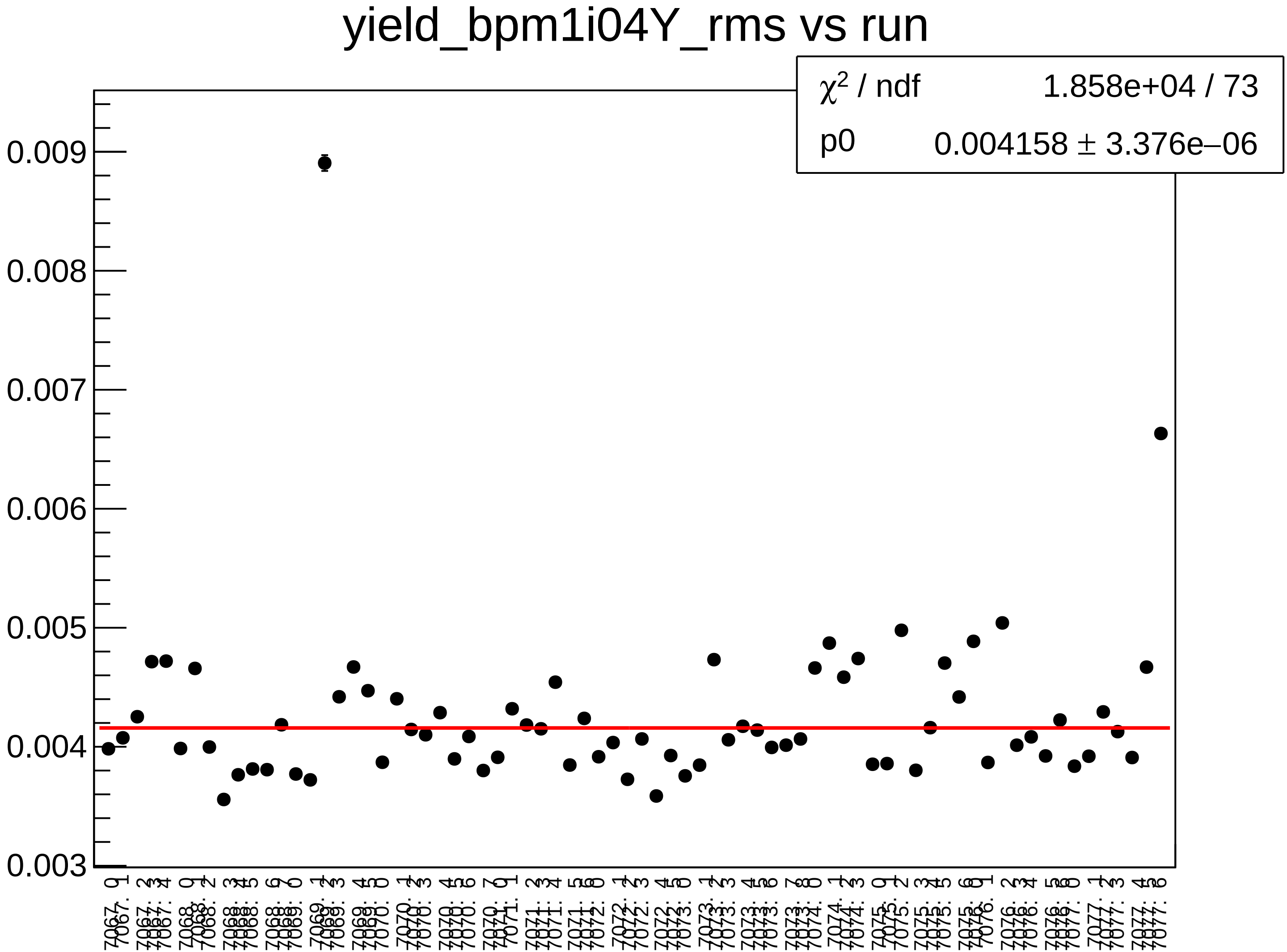
yield_bpm1i04X_mean vs run
χ^2 / ndf 1.268e+06 / 73
p0 1.317 ± 9.005e−06
1.33
1.32
1.31
1.3
1.29
pull
Entries 74
Mean −1555
Std Dev 1589
200
100
0
−100
−200
−300
pull1D
Entries 74
Mean 1.344
Std Dev 3.047
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm1i04X_rms vs run
χ2 / ndf 7503 / 73
p0 0.007869 ± 6.367e−06
0.012
0.011
0.01
0.009
0.008
0.007

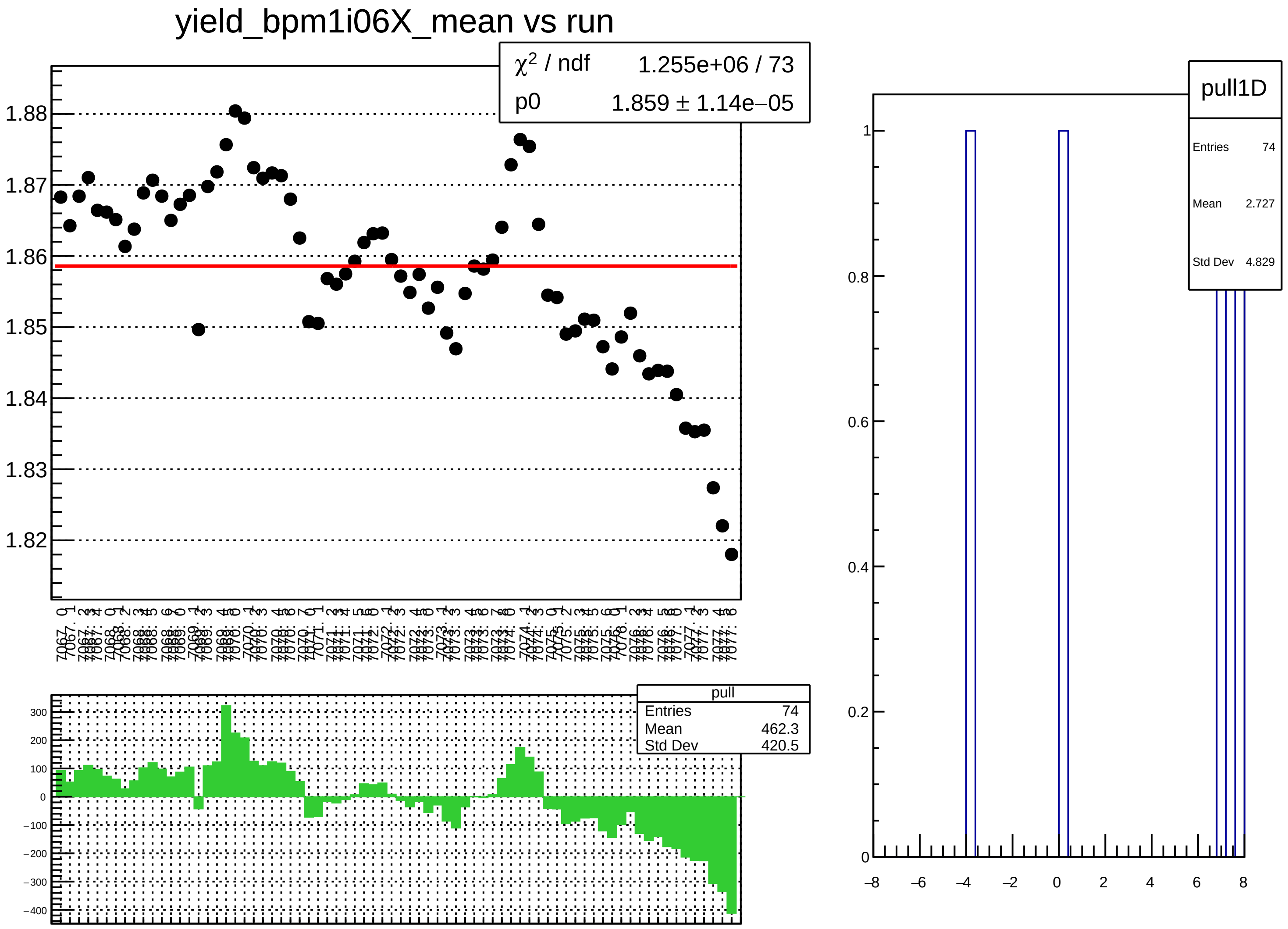

yield_bpm1i04Y_mean vs run
χ^2 / ndf 1.922e+07 / 73
p0 0.4794 ± 4.775e−06
0.51
0.5
0.49
0.48
0.47
0.46
0.45
0.44
0.43
0.42


pull
Entries 74
Mean 513.8
Std Dev 472.5
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

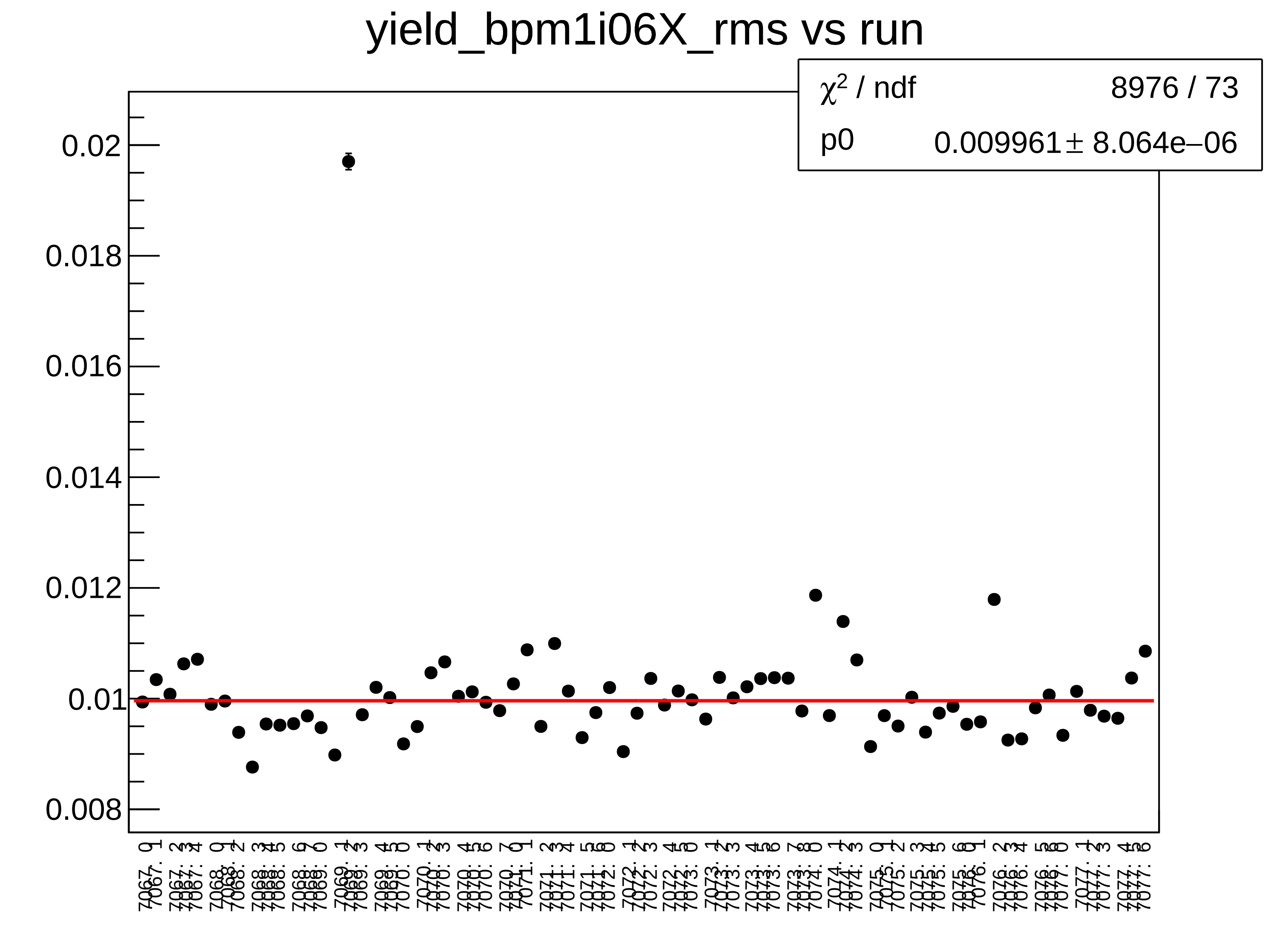

pull1D
Entries 74
Mean −0.1985
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



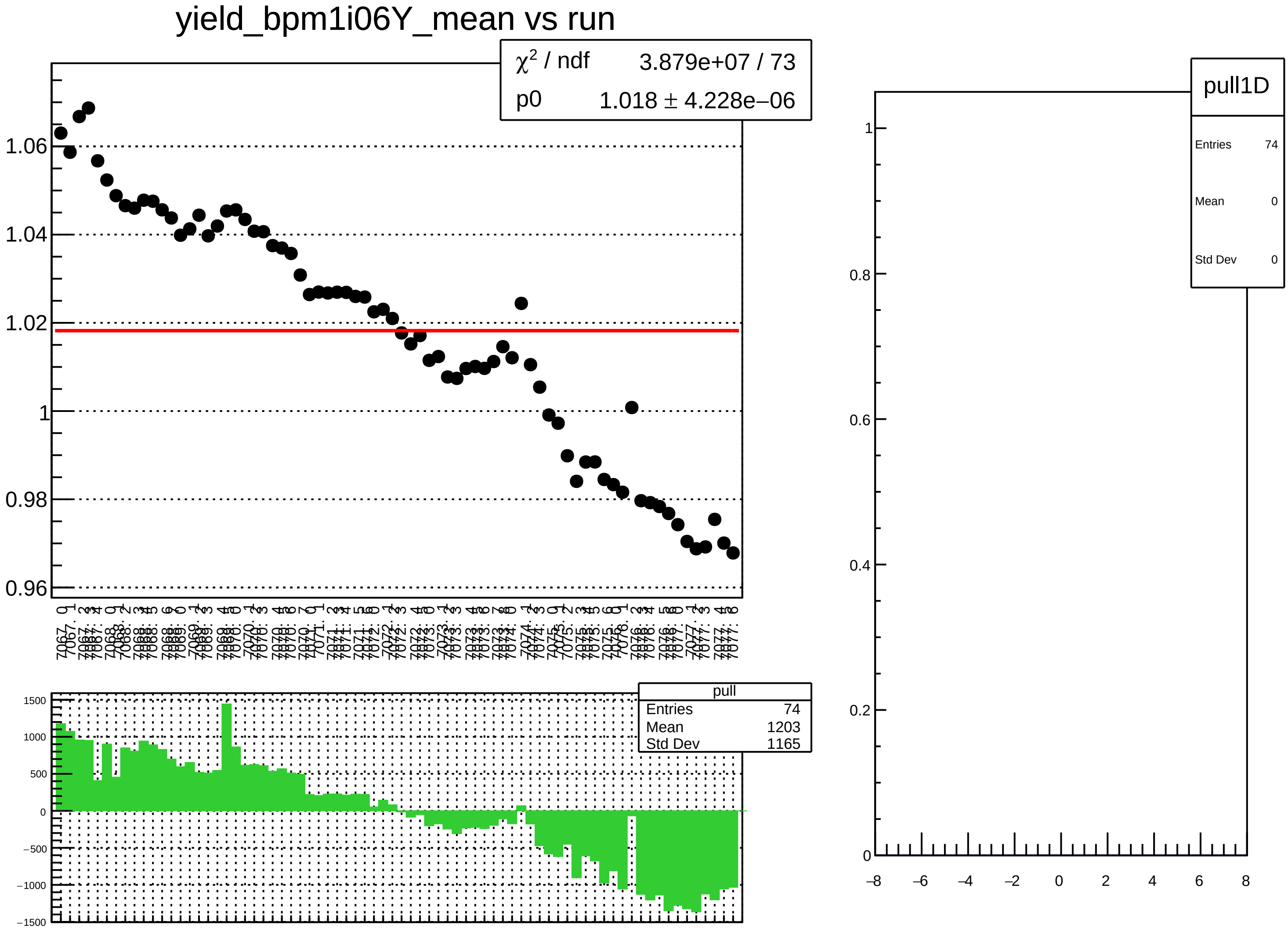
yield_bpm1i04Y_rms vs run
χ^2 / ndf 1.858e+04 / 73
p0 0.004158 ± 3.376e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003



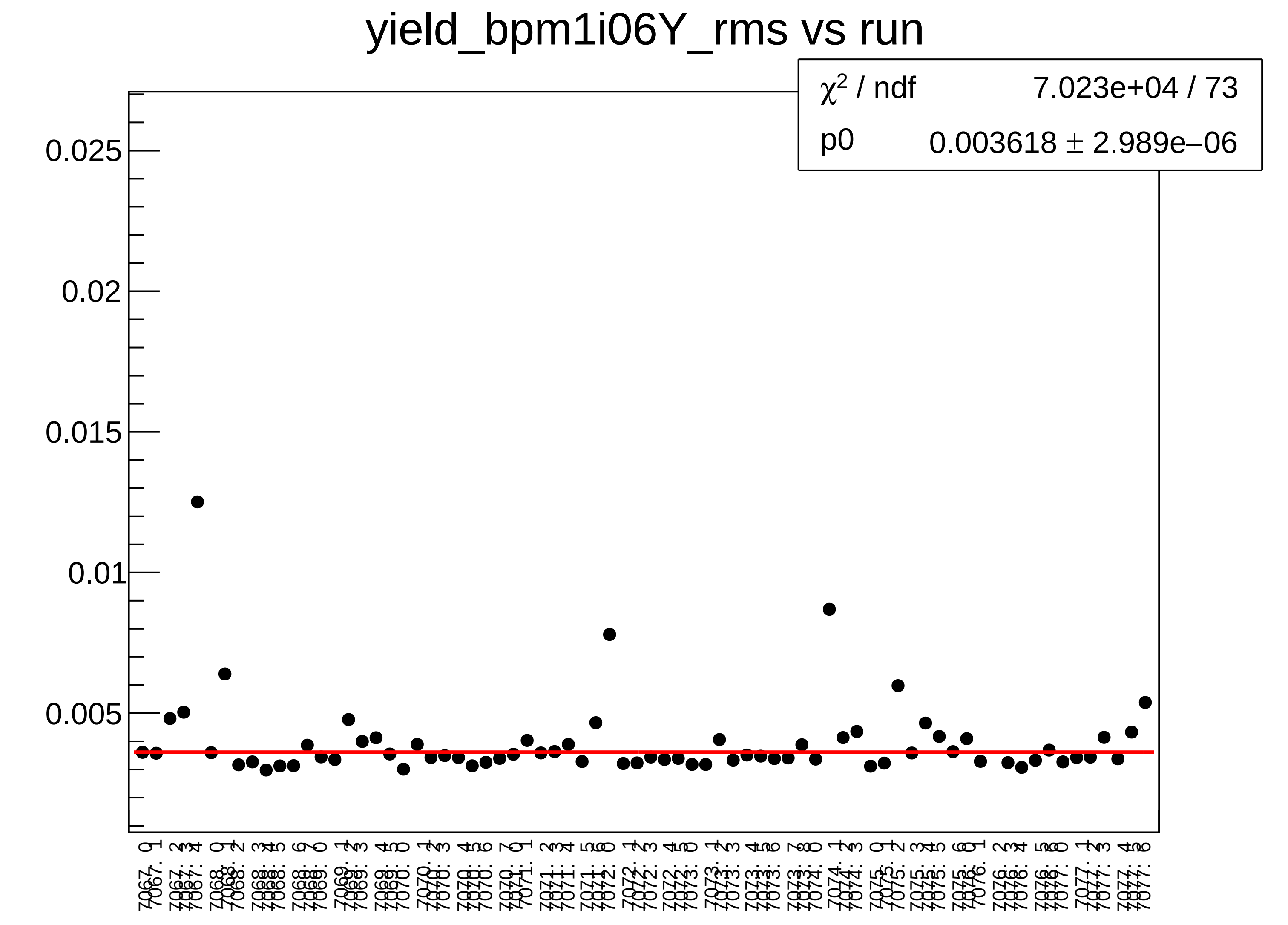
yield_bpm1i06X_mean vs run
χ² / ndf 1.255e+06 / 73
p0 1.859 ± 1.14e−05
pull
Entries 74
Mean 462.3
Std Dev 420.5
pull1D
Entries 74
Mean 2.727
Std Dev 4.829

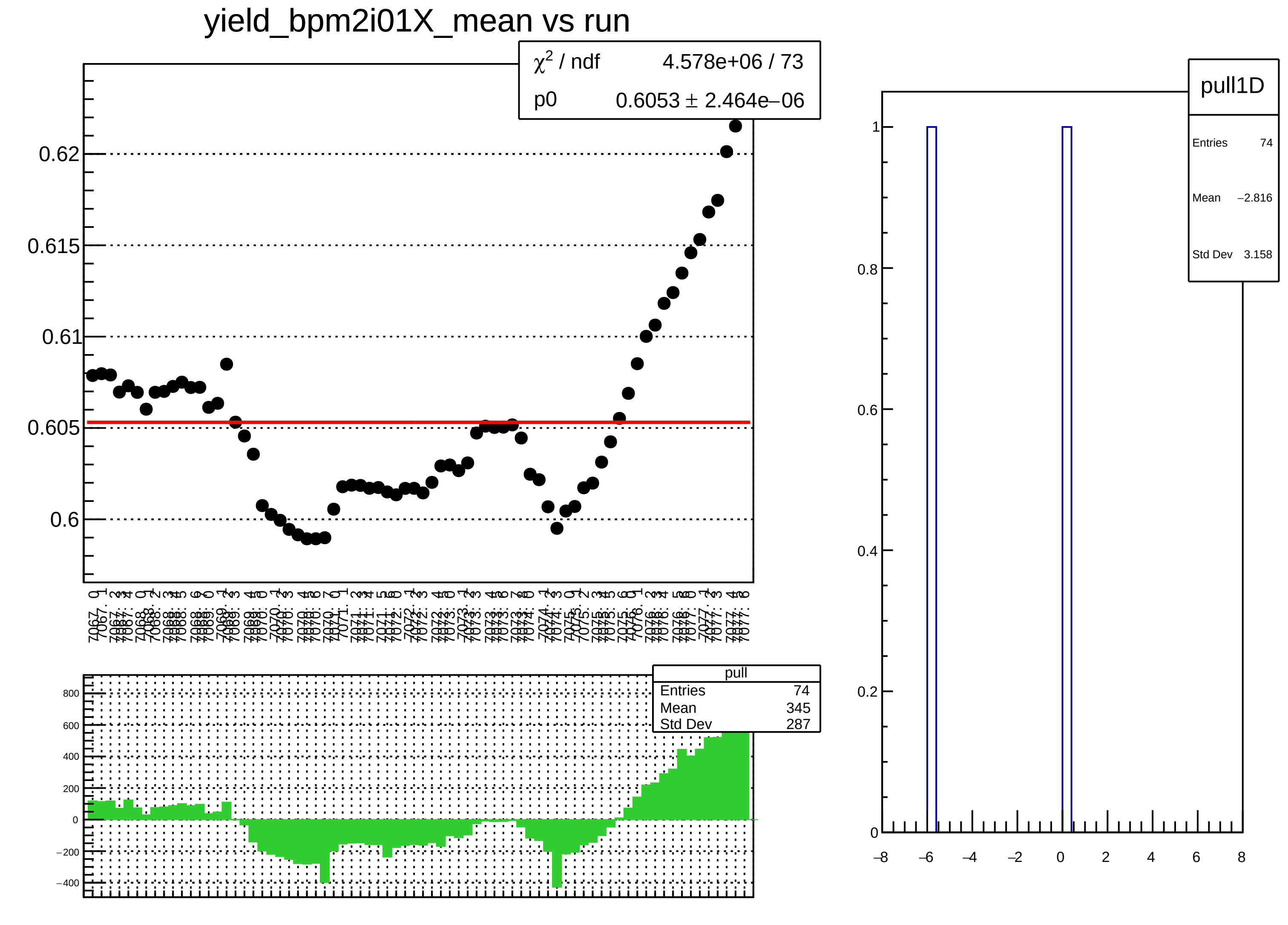


yield_bpm1i06X_rms vs run
χ2 / ndf 8976 / 73
p0 0.009961 ± 8.064e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008

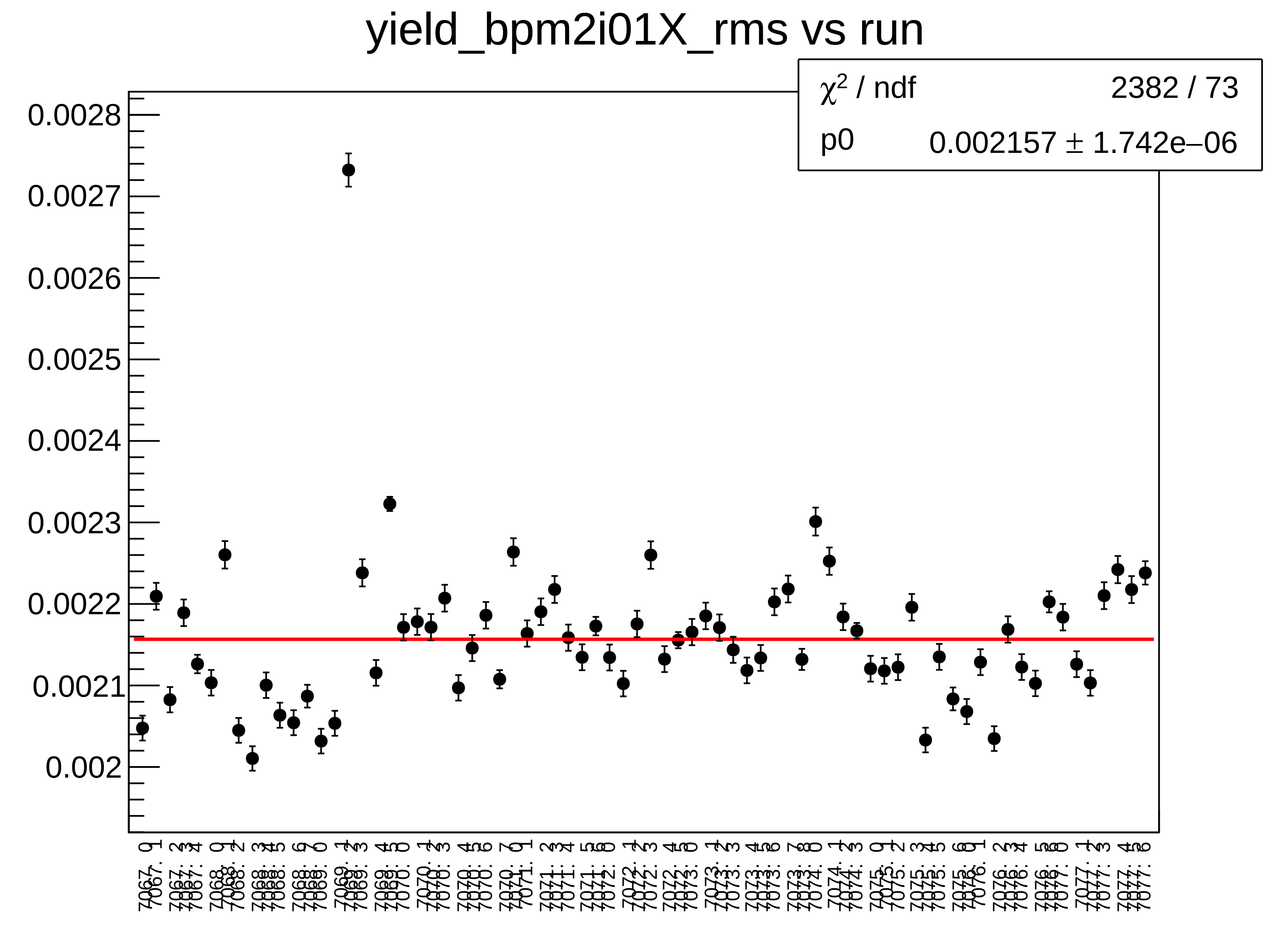


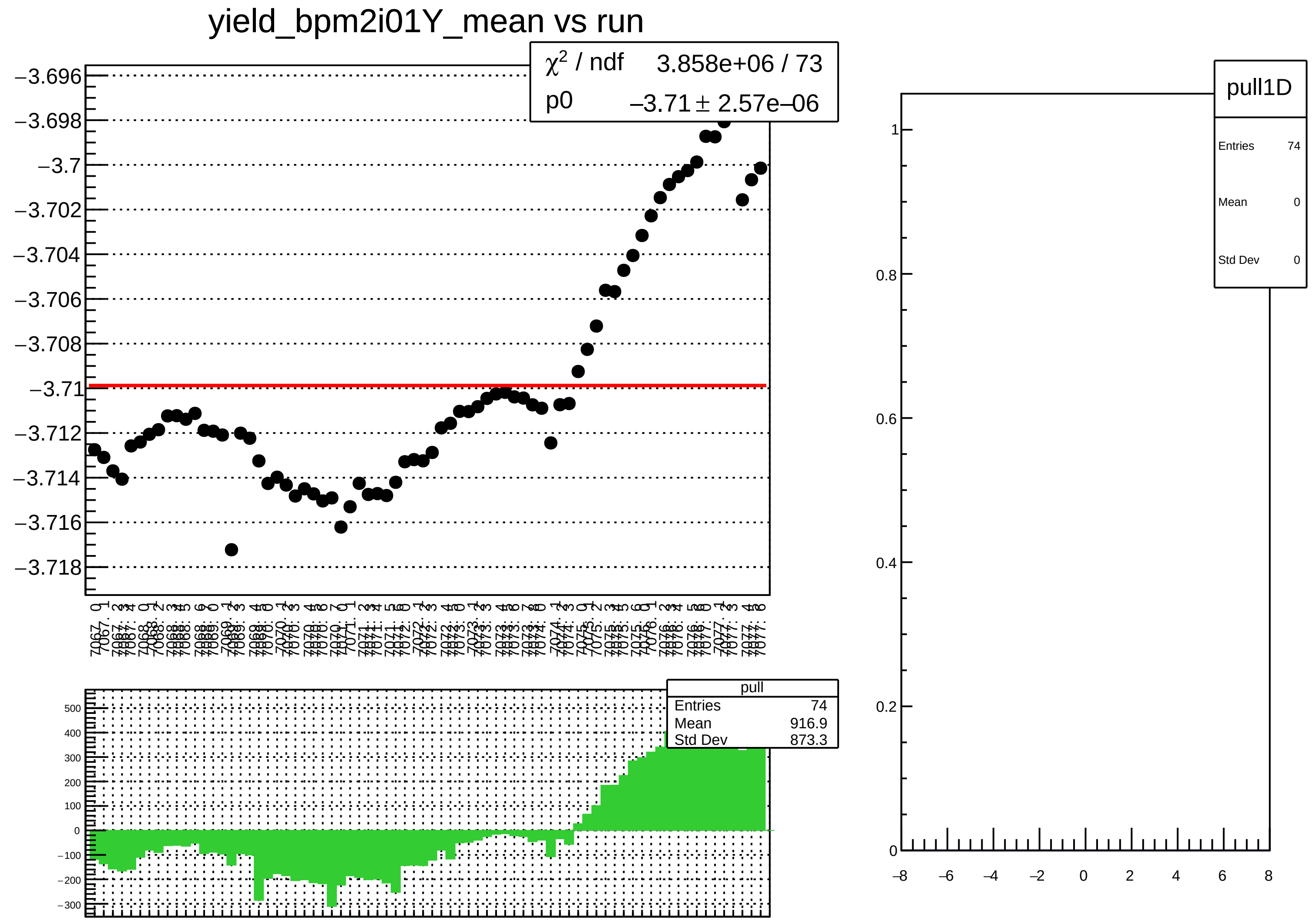
yield_bpm1i06Y_mean vs run
χ^2 / ndf 3.879e+07 / 73
p0 1.018 ± 4.228e−06
pull
Entries 74
Mean 1203
Std Dev 1165
pull1D
Entries 74
Mean 0
Std Dev 0

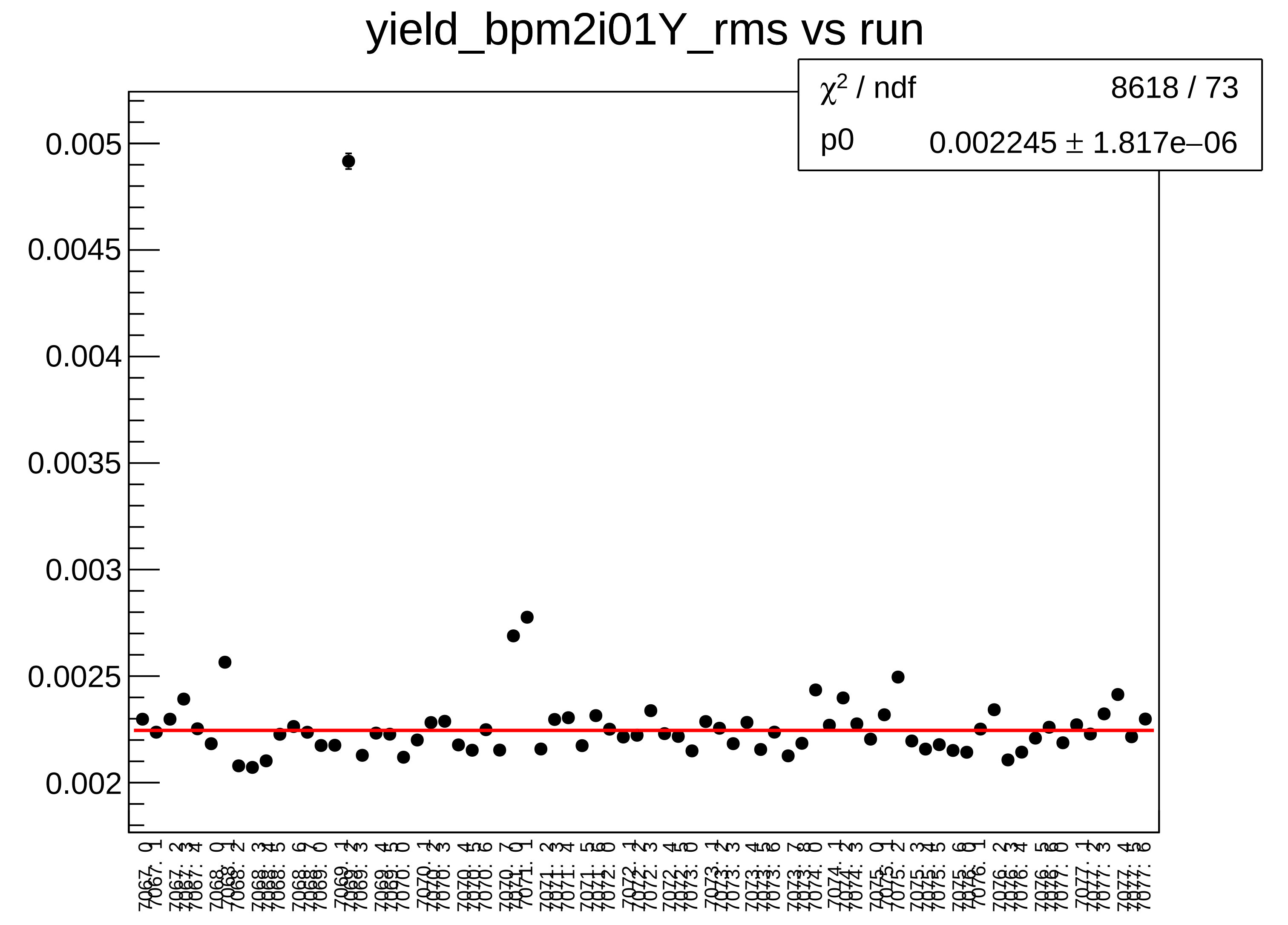

yield_bpm1i06Y_rms vs run
χ^2 / ndf 7.023e+04 / 73
p0 0.003618 ± 2.989e−06
0.025
0.02
0.015
0.01
0.005



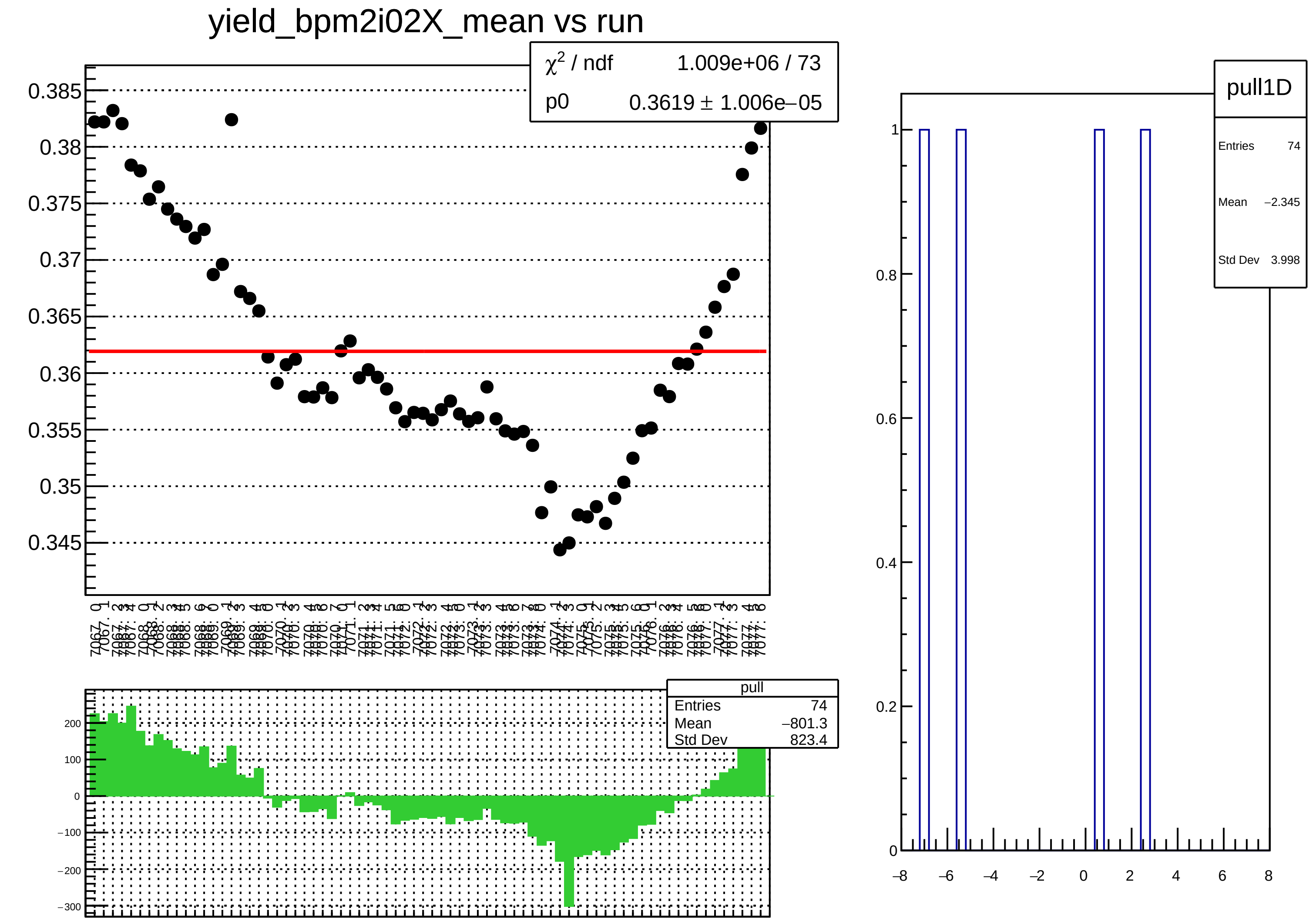
yield_bpm2i01X_mean vs run
χ^2 / ndf 4.578e+06 / 73
p0 0.6053 ± 2.464e−06
pull
Entries 74
Mean 345
Std Dev 287
pull1D
Entries 74
Mean −2.816
Std Dev 3.158

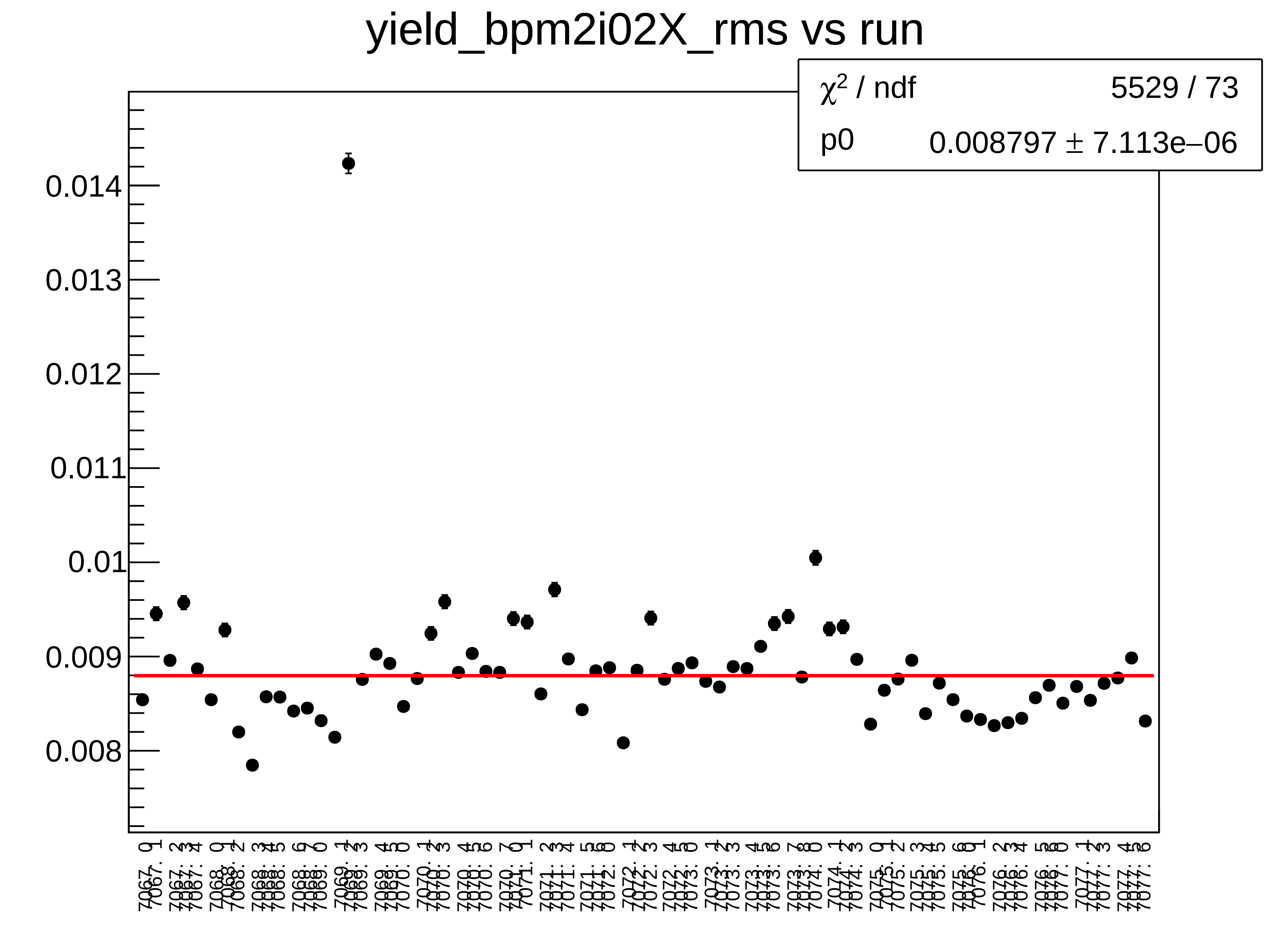

yield_bpm2i01X_rms vs run
χ^2 / ndf 2382 / 73
p0 0.002157 ± 1.742e−06
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002

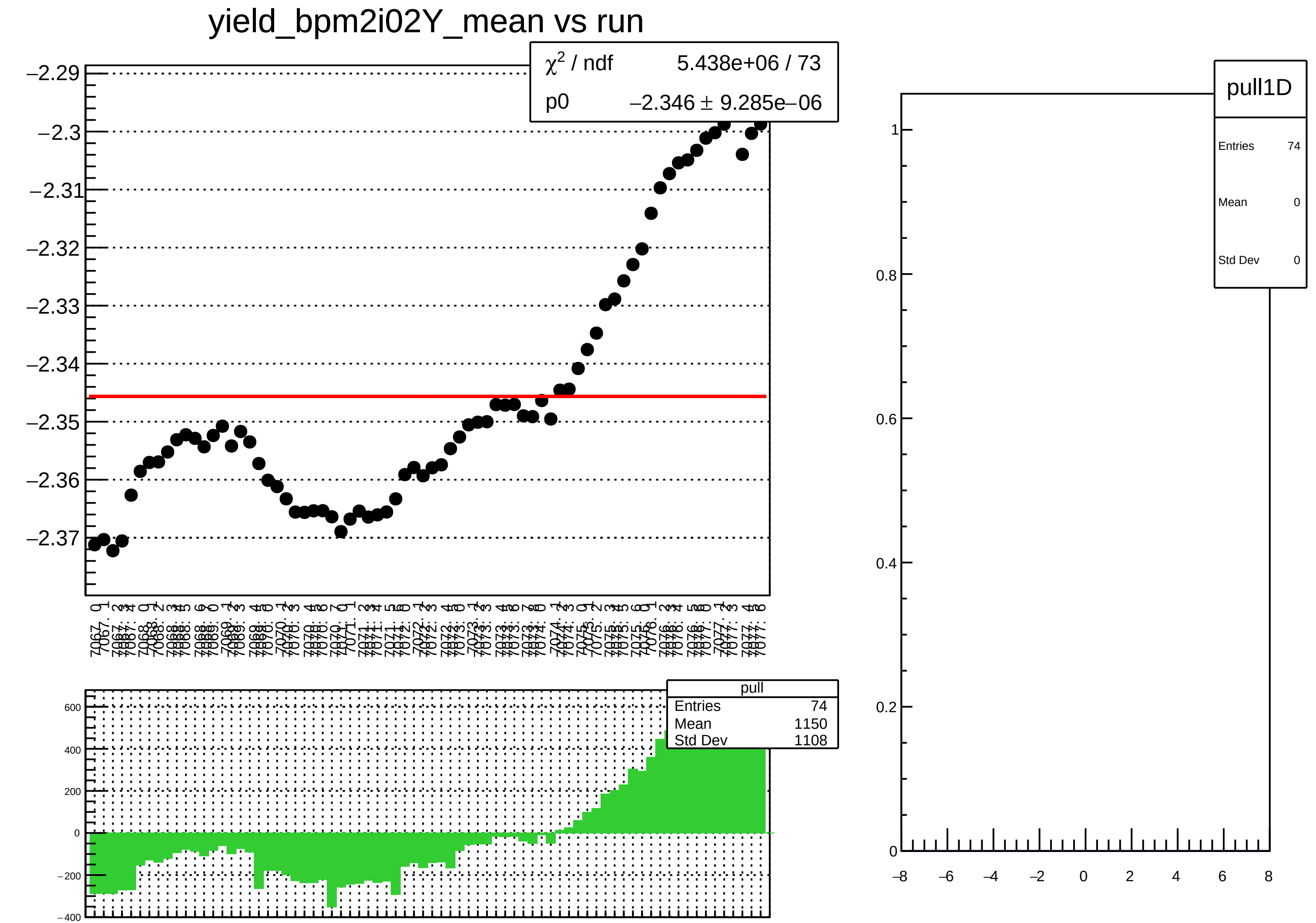

yield_bpm2i01Y_mean vs run
χ^2 / ndf 3.858e+06 / 73
p0 −3.71 ± 2.57e−06
−3.696
−3.698
−3.7
−3.702
−3.704
−3.706
−3.708
−3.71
−3.712
−3.714
−3.716
−3.718
pull
Entries 74
Mean 916.9
Std Dev 873.3
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



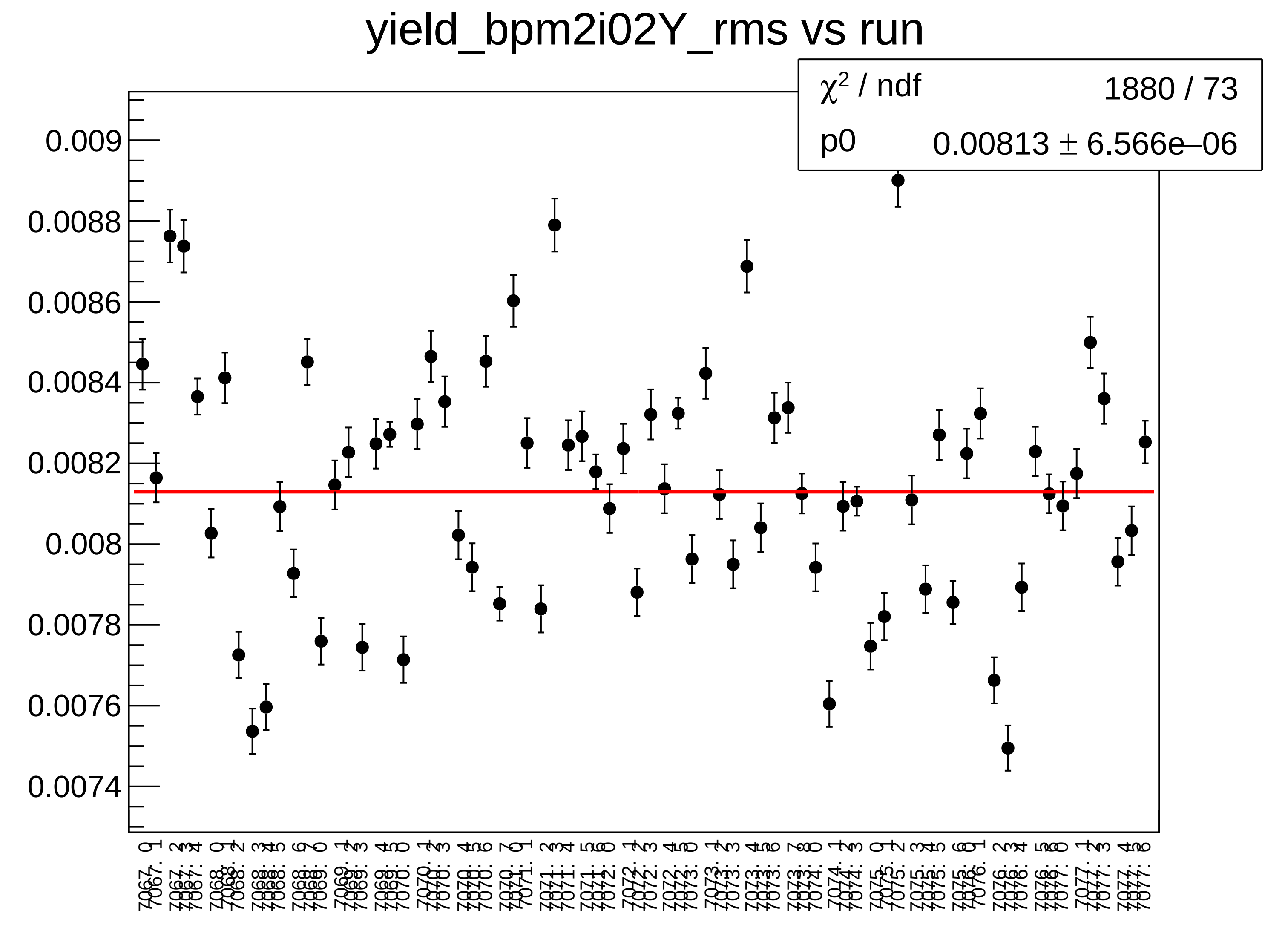
yield_bpm2i01Y_rms vs run
χ2 / ndf 8618 / 73
p0 0.002245 ± 1.817e−06
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

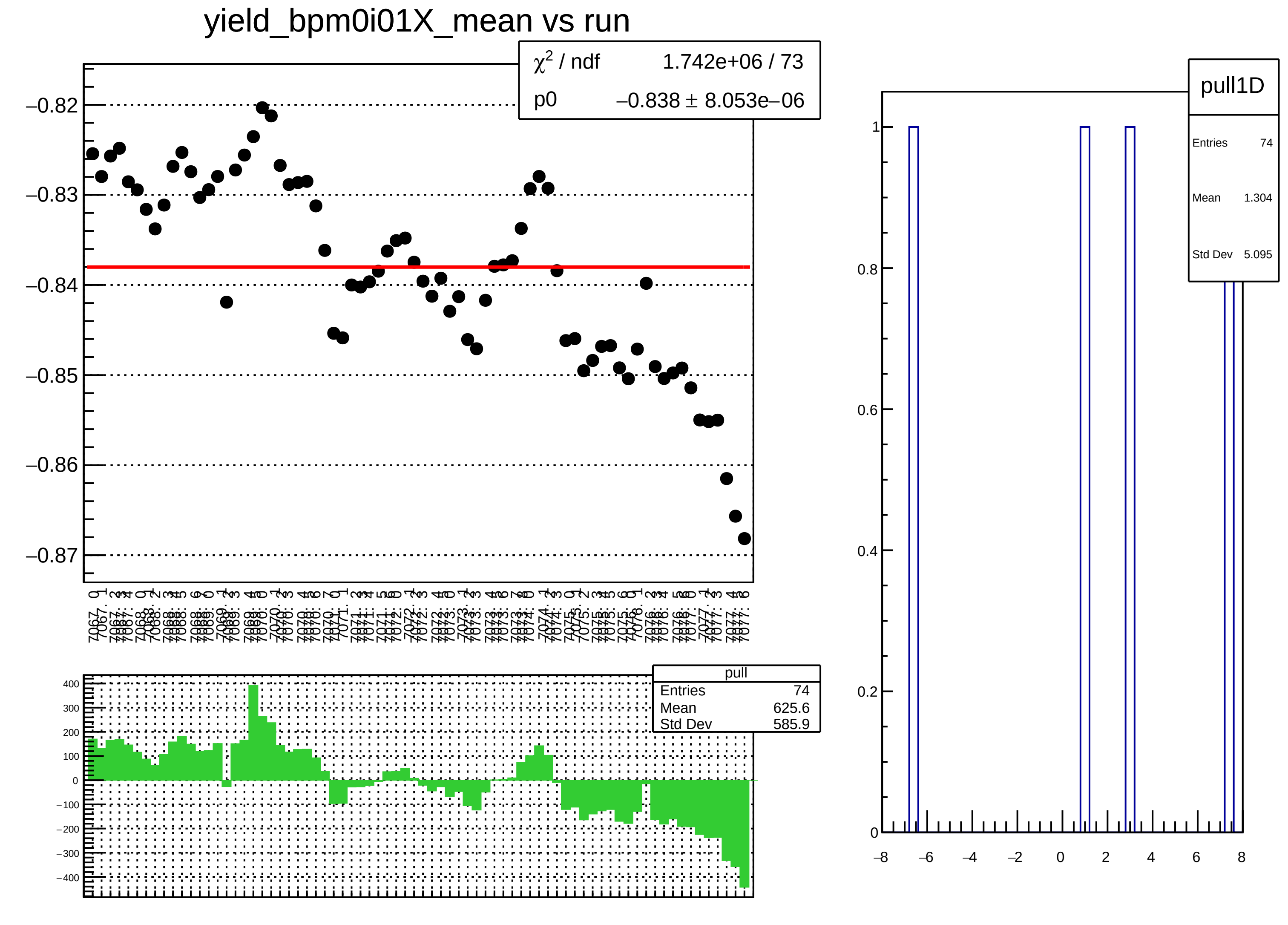

yield_bpm2i02X_mean vs run
χ^2 / ndf 1.009e+06 / 73
p0 0.3619 ± 1.006e−05
0.385
0.38
0.375
0.37
0.365
0.36
0.355
0.35
0.345
pull
Entries 74
Mean −801.3
Std Dev 823.4
200
100
0
−100
−200
−300
pull1D
Entries 74
Mean −2.345
Std Dev 3.998
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm2i02X_rms vs run
χ2 / ndf 5529 / 73
p0 0.008797 ± 7.113e−06
0.014
0.013
0.012
0.011
0.01
0.009
0.008

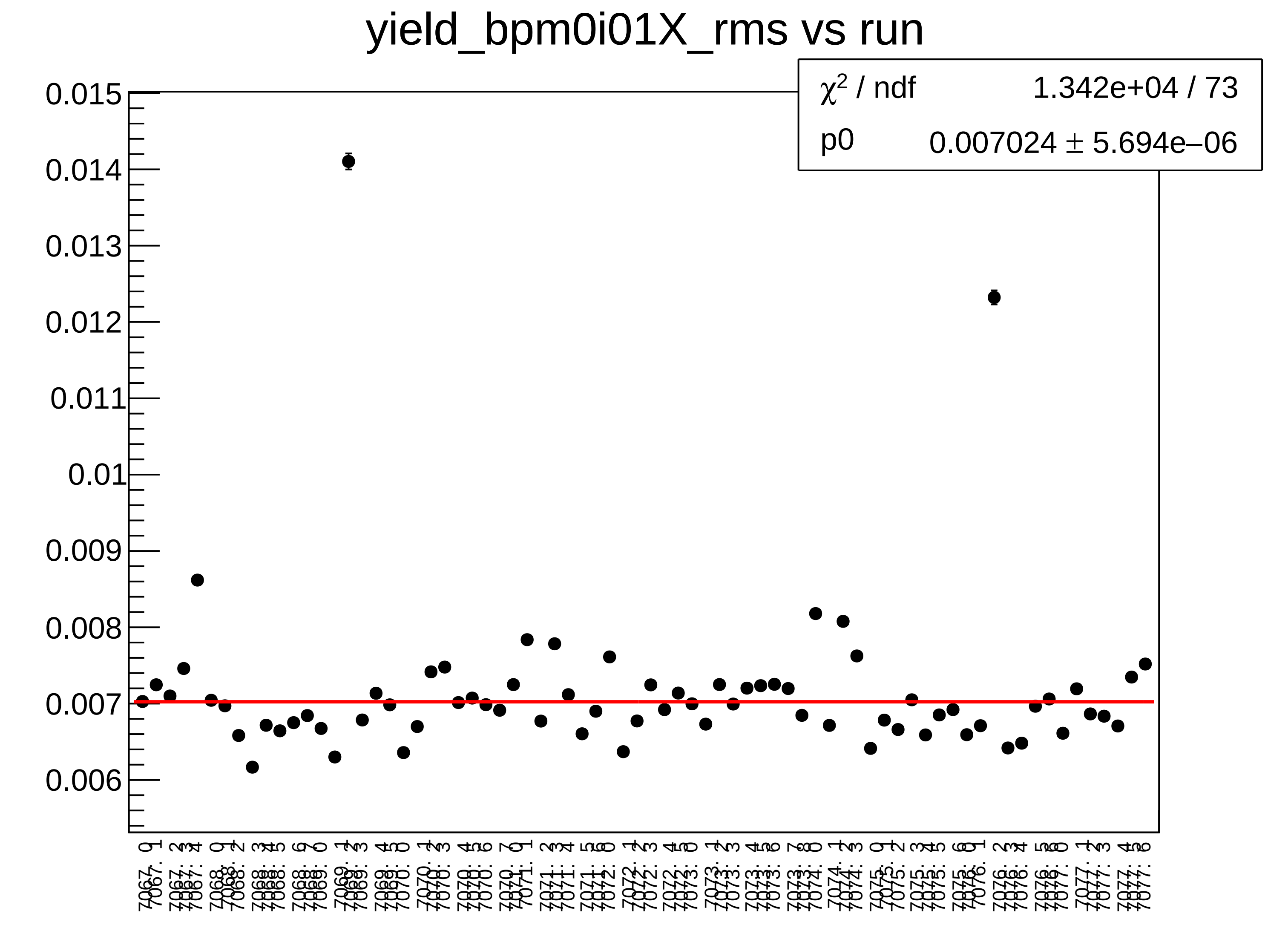


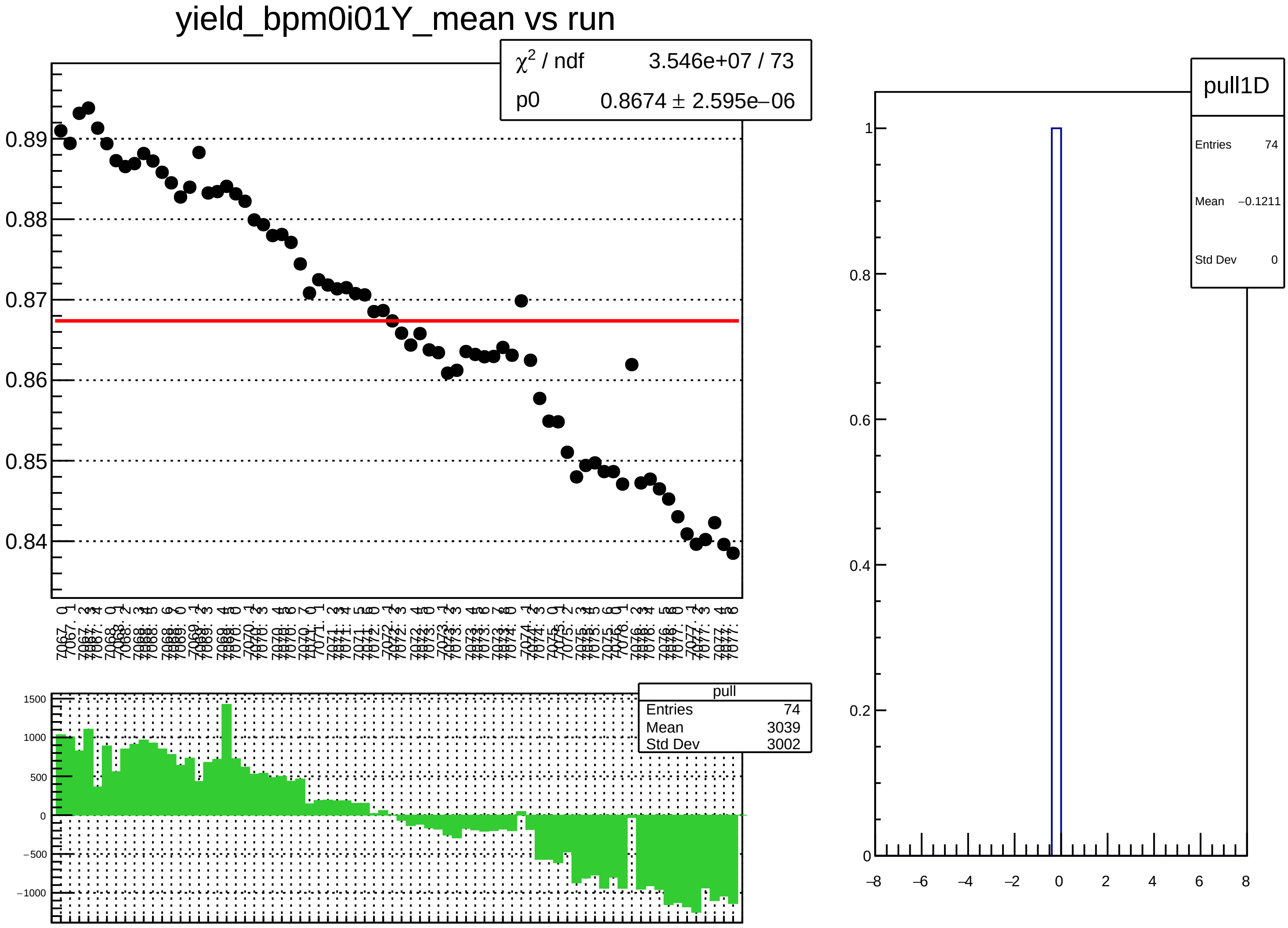
yield_bpm2i02Y_mean vs run
χ^2 / ndf 5.438e+06 / 73
p0 −2.346 ± 9.285e−06
pull
Entries 74
Mean 1150
Std Dev 1108
pull1D
Entries 74
Mean 0
Std Dev 0


yield_bpm2i02Y_rms vs run
χ^2 / ndf 1880 / 73
p0 0.00813 ± 6.566e−06
0.009
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
0.0074

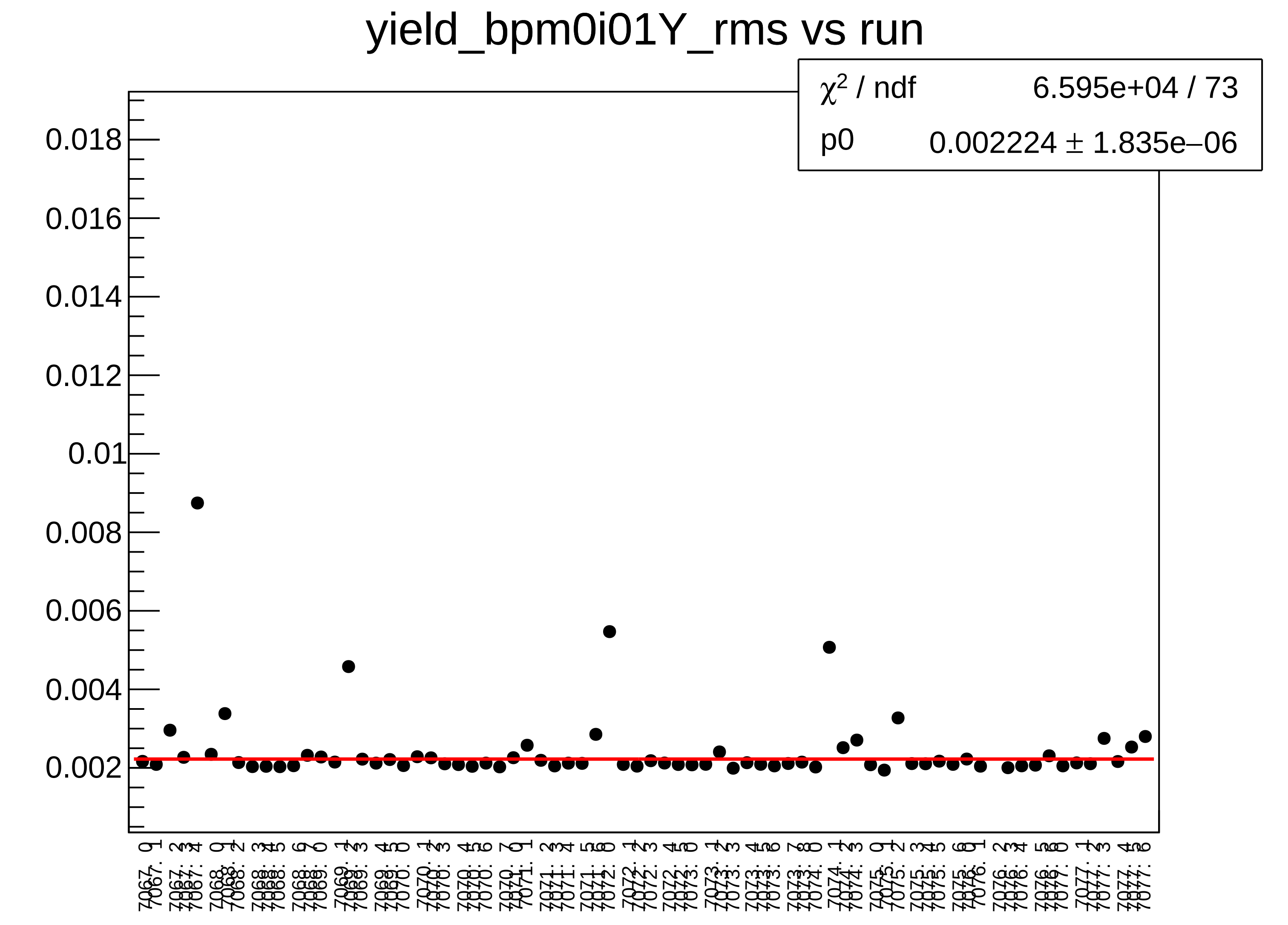


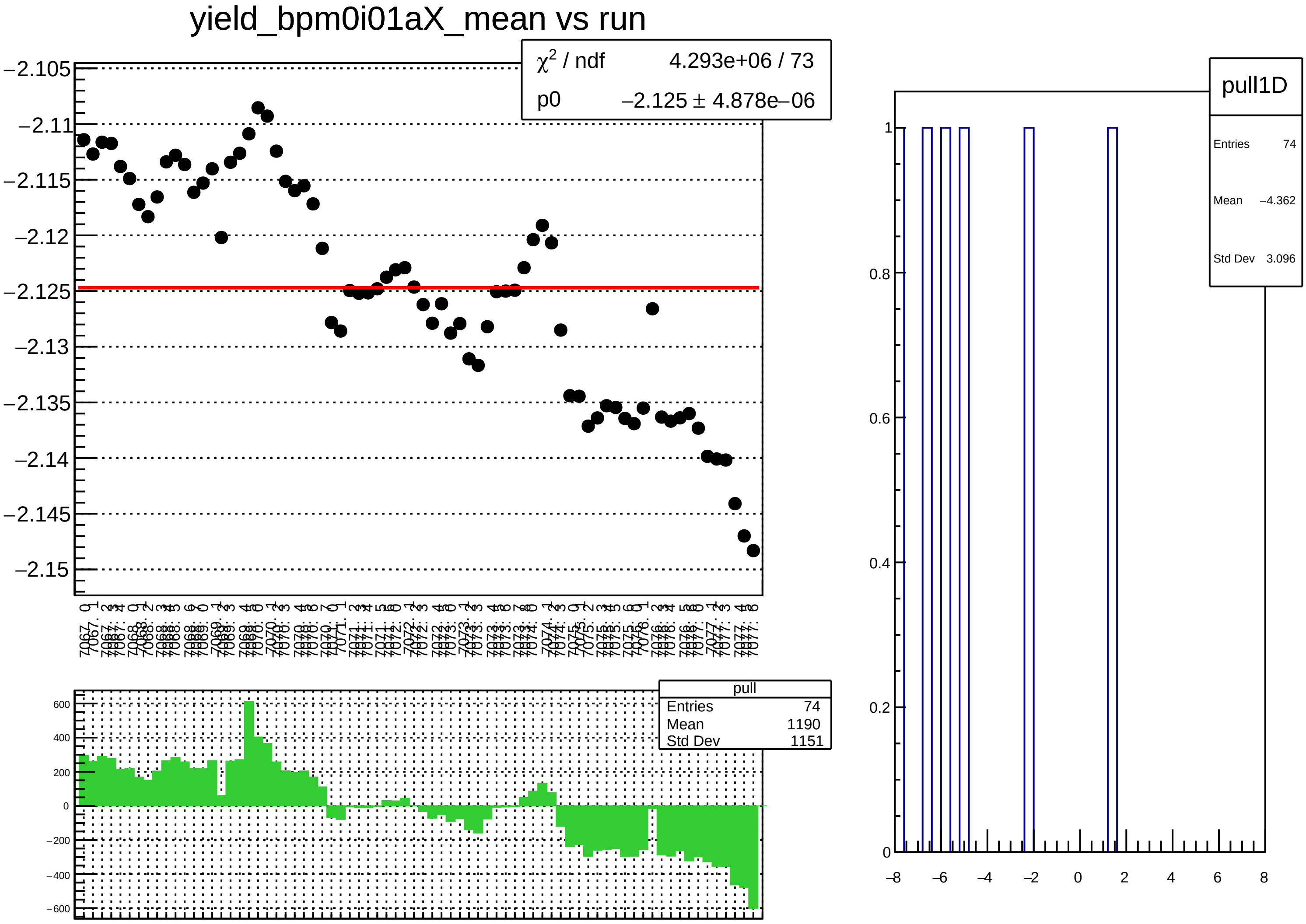
yield_bpm0i01X_mean vs run
χ^2 / ndf 1.742e+06 / 73
p0 −0.838 ± 8.053e−06
pull
Entries 74
Mean 625.6
Std Dev 585.9
pull1D
Entries 74
Mean 1.304
Std Dev 5.095


yield_bpm0i01X_rms vs run
χ2 / ndf 1.342e+04 / 73
p0 0.007024 ± 5.694e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006

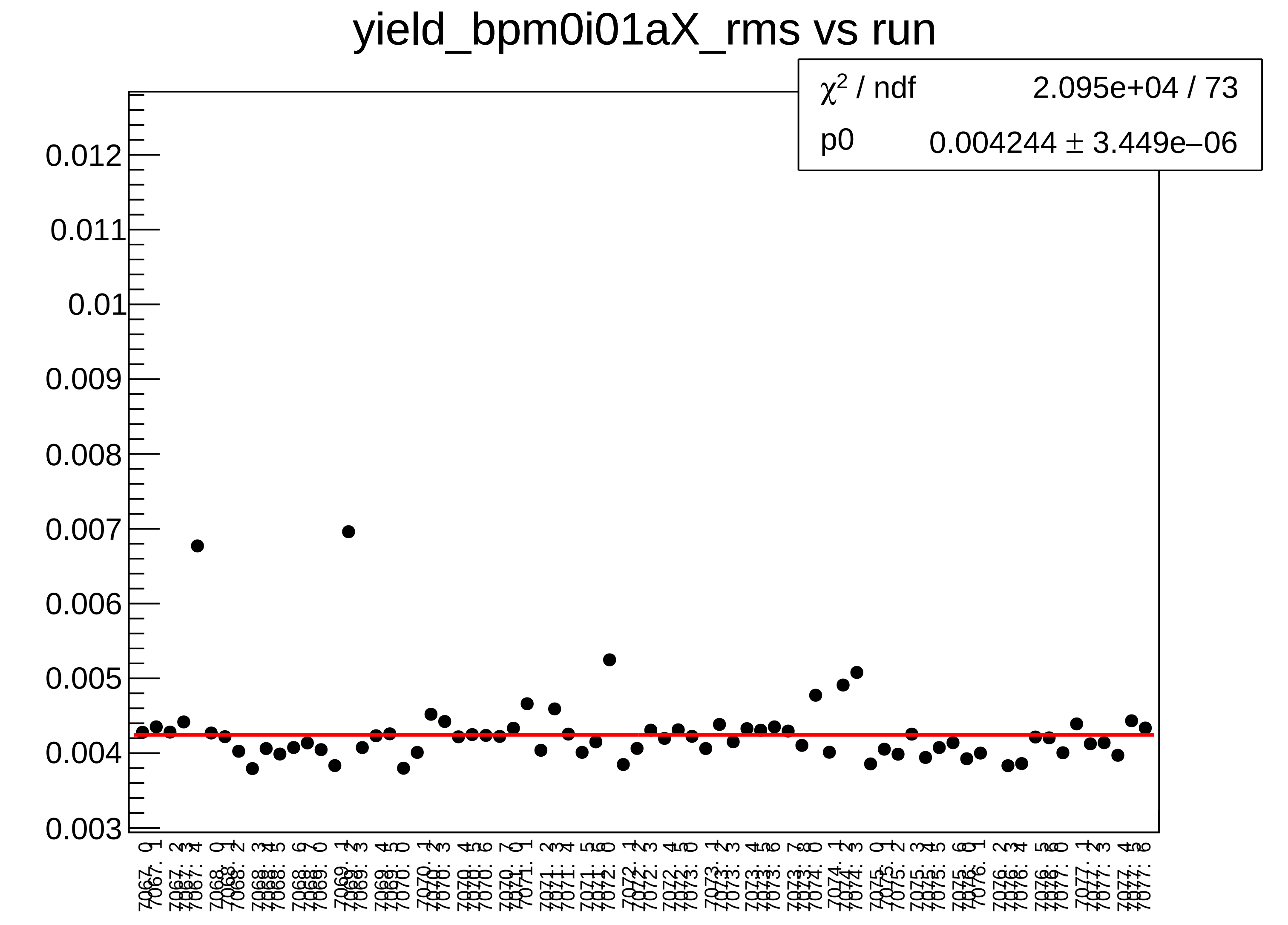


yield_bpm0i01Y_mean vs run
χ2 / ndf 3.546e+07 / 73
p0 0.8674 ± 2.595e−06
0.89
0.88
0.87
0.86
0.85
0.84
pull
Entries 74
Mean 3039
Std Dev 3002
1500
1000
500
0
−500
−1000
pull1D
Entries 74
Mean −0.1211
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

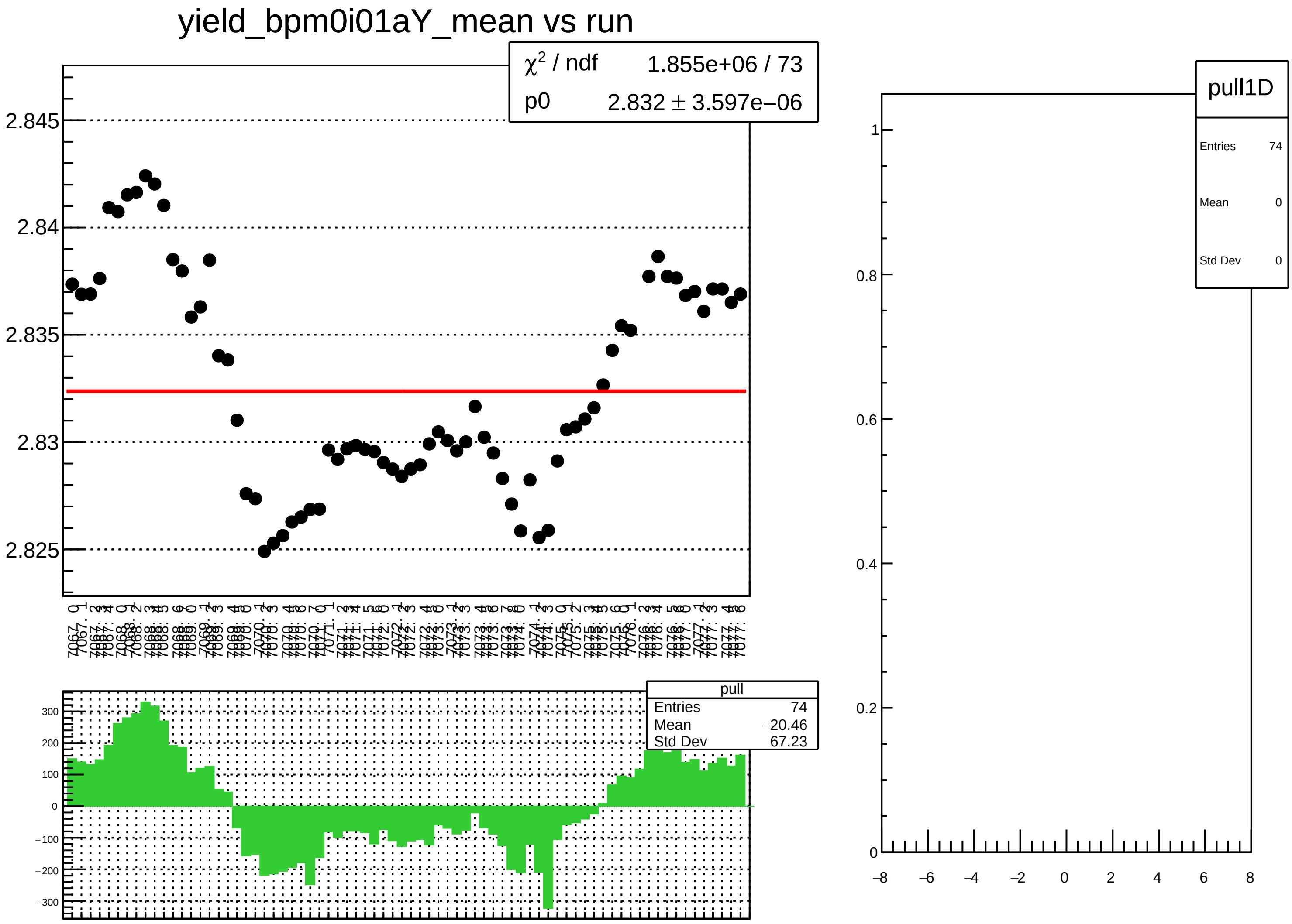

yield_bpm0i01Y_rms vs run
χ^2 / ndf 6.595e+04 / 73
p0 0.002224 ± 1.835e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

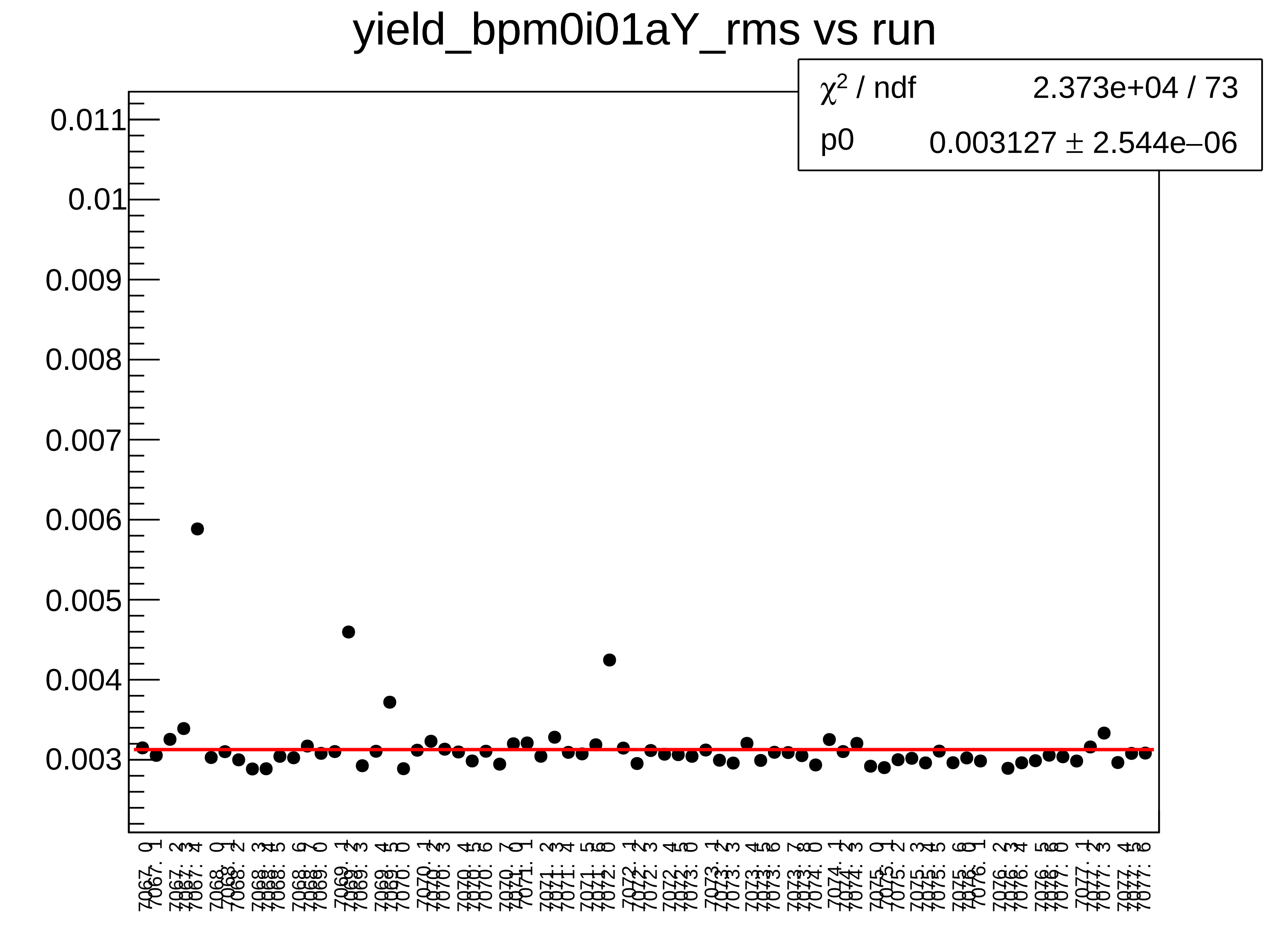


yield_bpm0i01aX_mean vs run
χ^2 / ndf 4.293e+06 / 73
p0 −2.125 ± 4.878e−06
pull
Entries 74
Mean 1190
Std Dev 1151
pull1D
Entries 74
Mean −4.362
Std Dev 3.096

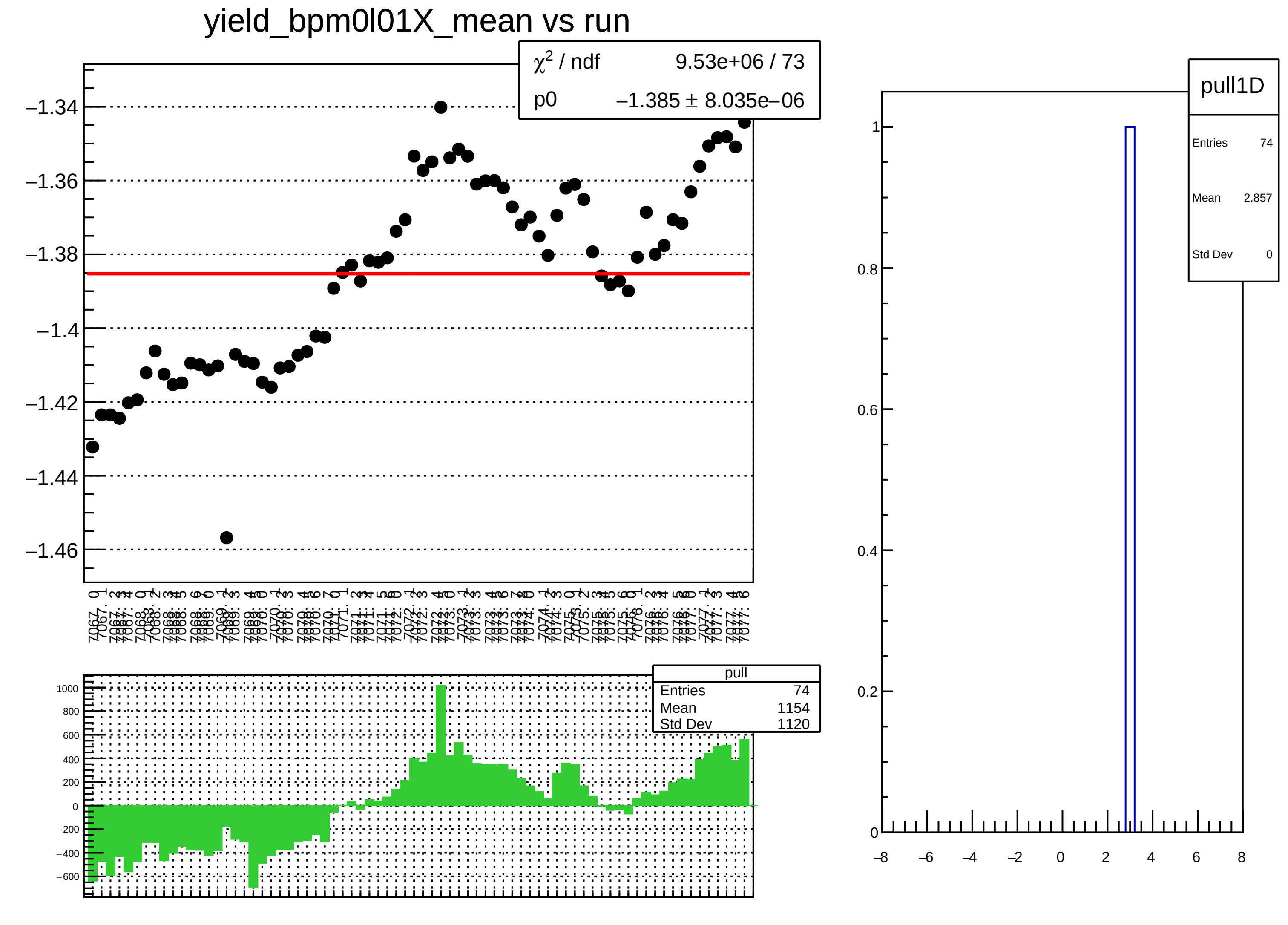


yield_bpm0i01aX_rms vs run
χ^2 / ndf 2.095e+04 / 73
p0 0.004244 ± 3.449e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

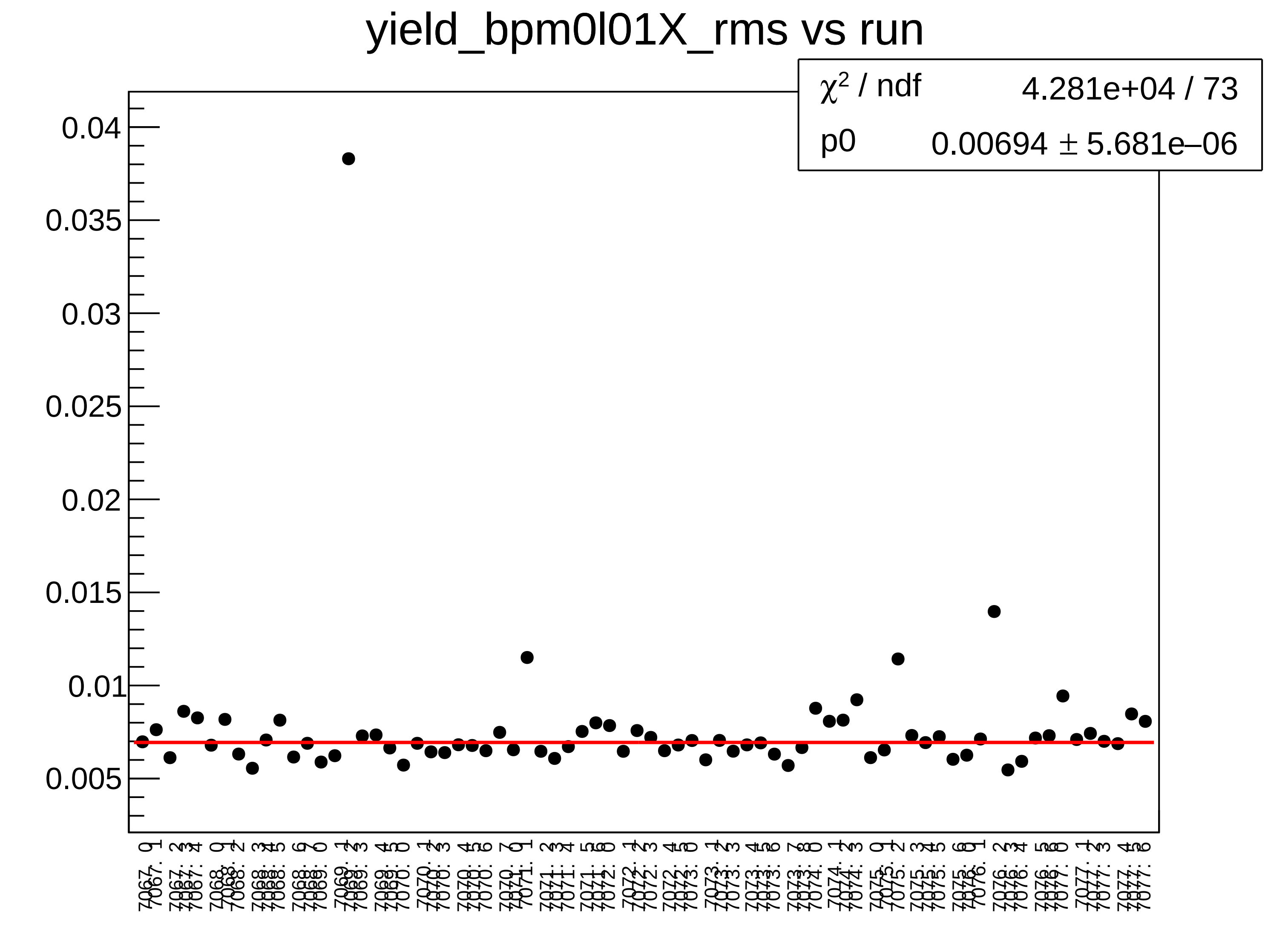

yield_bpm0i01aY_mean vs run
χ^2 / ndf 1.855e+06 / 73
p0 2.832 ± 3.597e−06
pull
Entries 74
Mean −20.46
Std Dev 67.23
pull1D
Entries 74
Mean 0
Std Dev 0



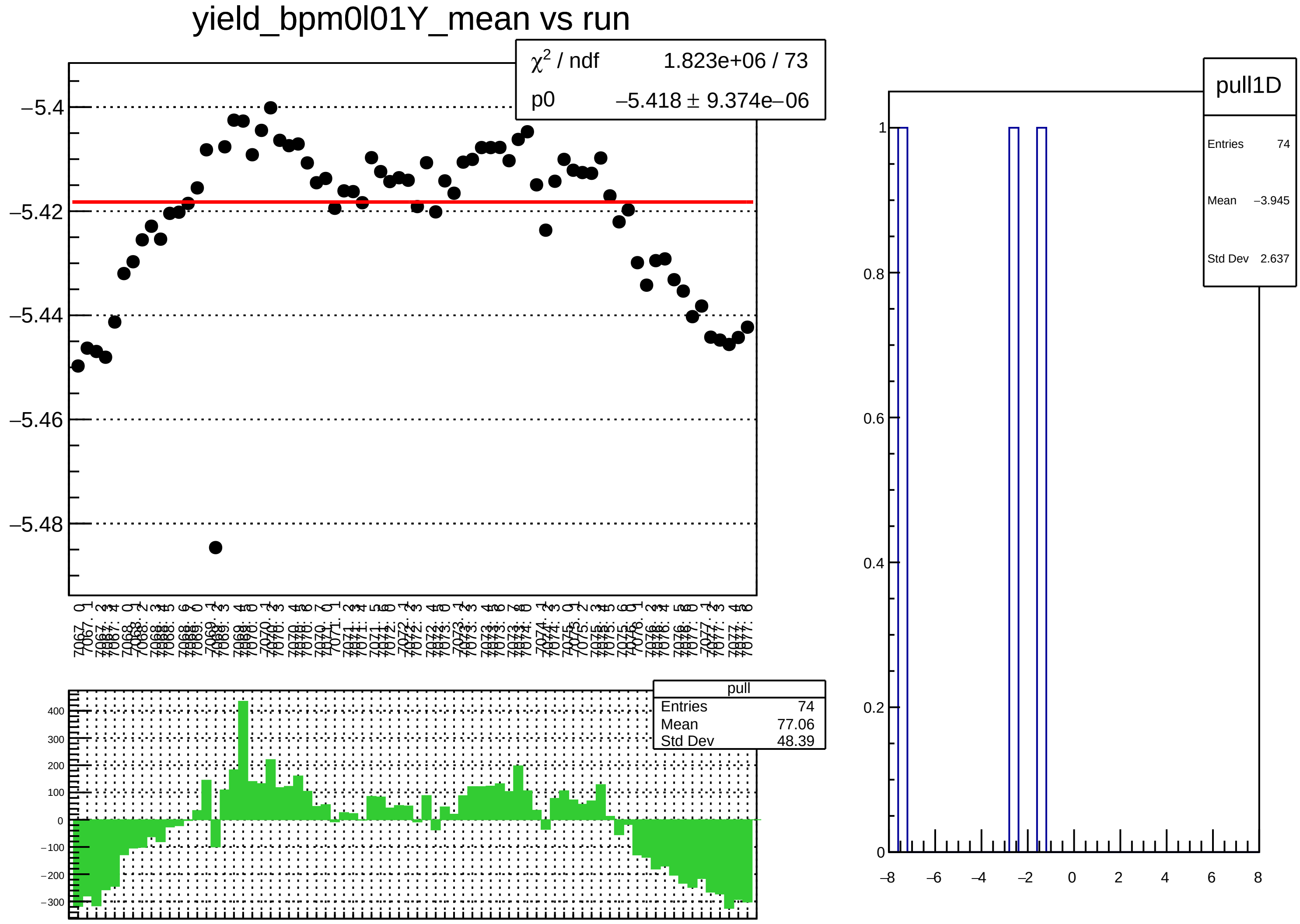
yield_bpm0i01aY_rms vs run
χ^2 / ndf 2.373e+04 / 73
p0 0.003127 ± 2.544e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003



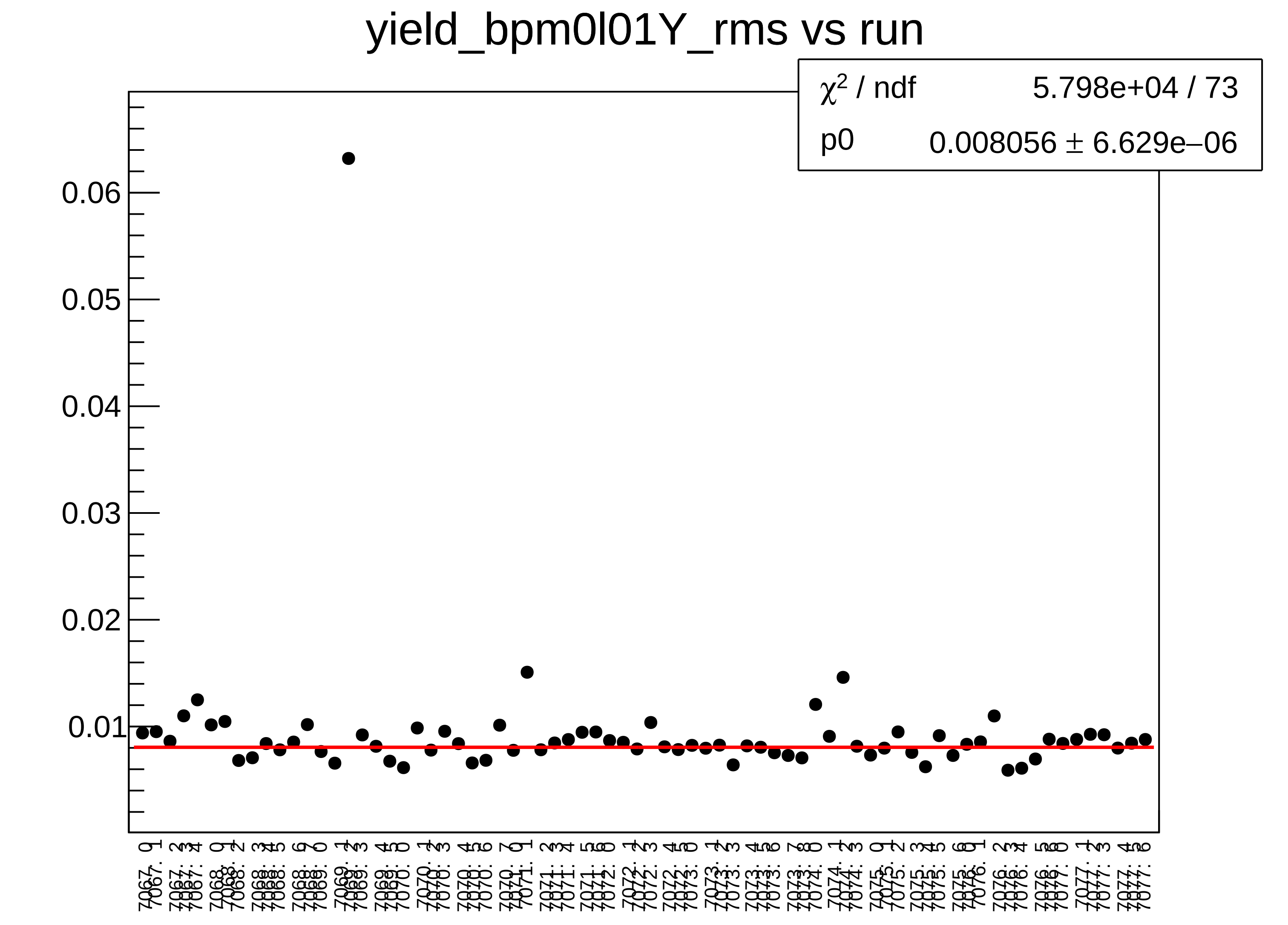
yield_bpm0l01X_mean vs run
χ^2 / ndf 9.53e+06 / 73
p0 −1.385 ± 8.035e−06
pull
Entries 74
Mean 1154
Std Dev 1120
pull1D
Entries 74
Mean 2.857
Std Dev 0

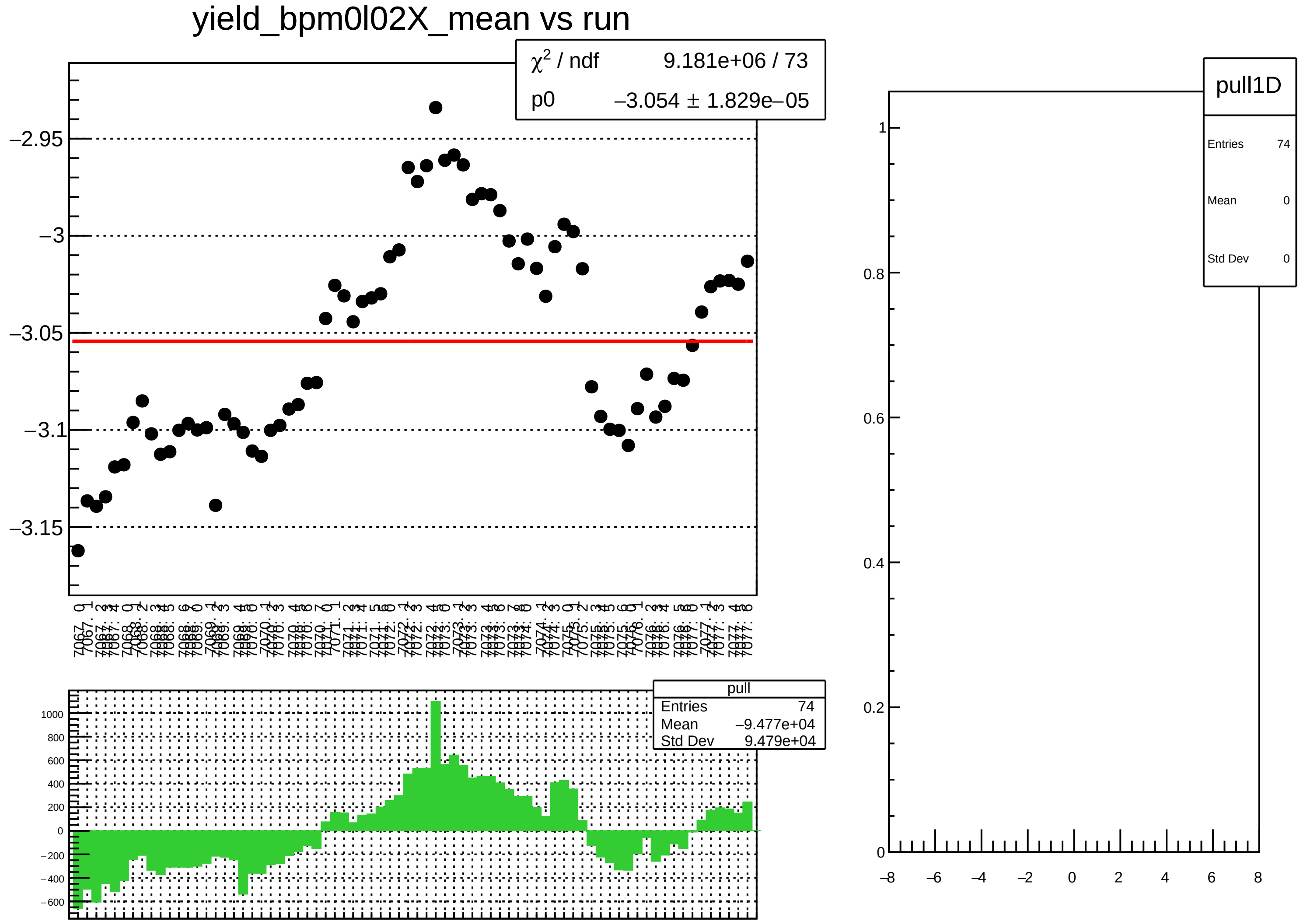


yield_bpm0l01X_rms vs run
χ^2 / ndf 4.281e+04 / 73
p0 0.00694 ± 5.681e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

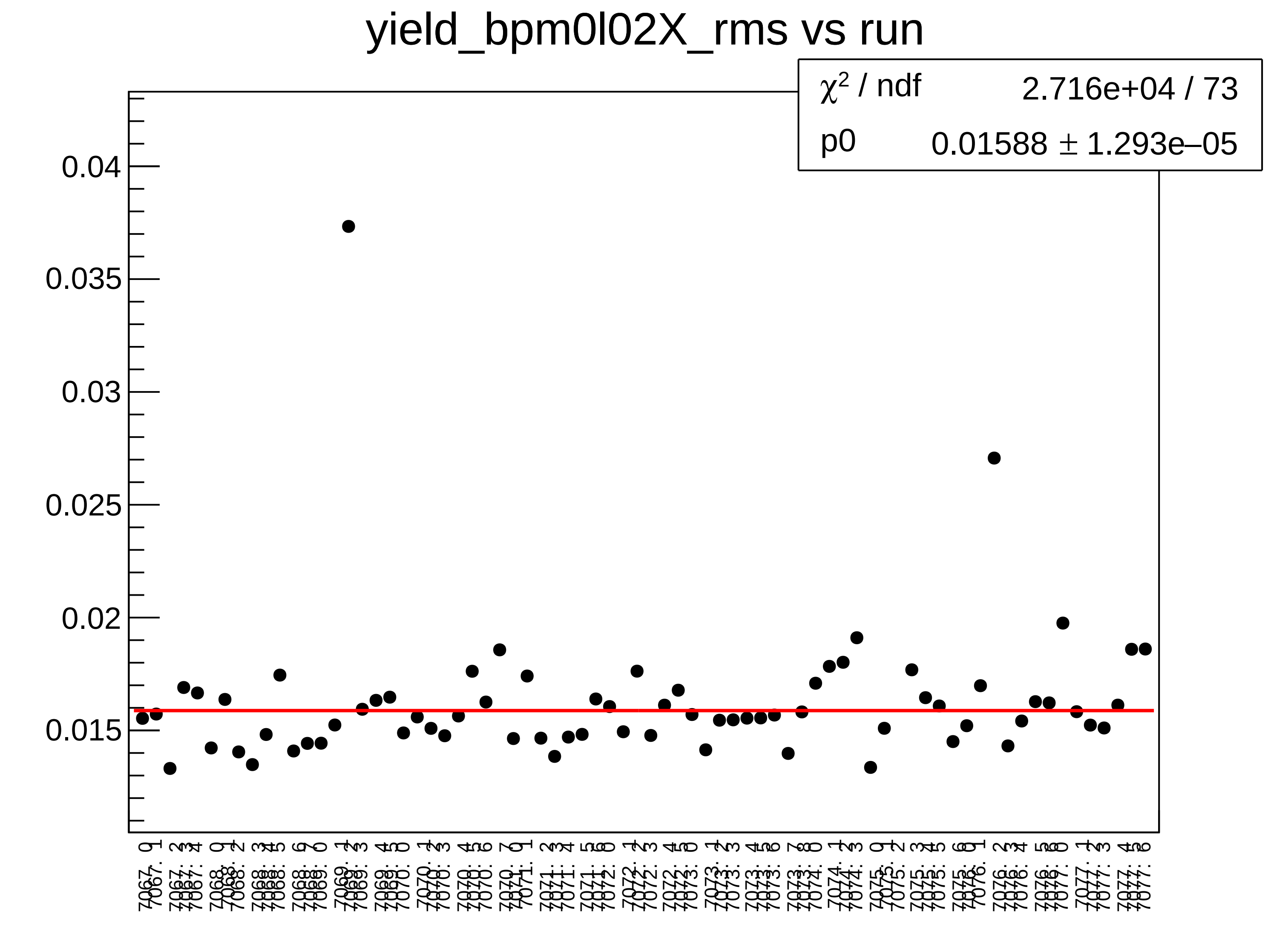


yield_bpm0l01Y_mean vs run
χ² / ndf 1.823e+06 / 73
p0 −5.418 ± 9.374e−06
pull
Entries 74
Mean 77.06
Std Dev 48.39
pull1D
Entries 74
Mean −3.945
Std Dev 2.637

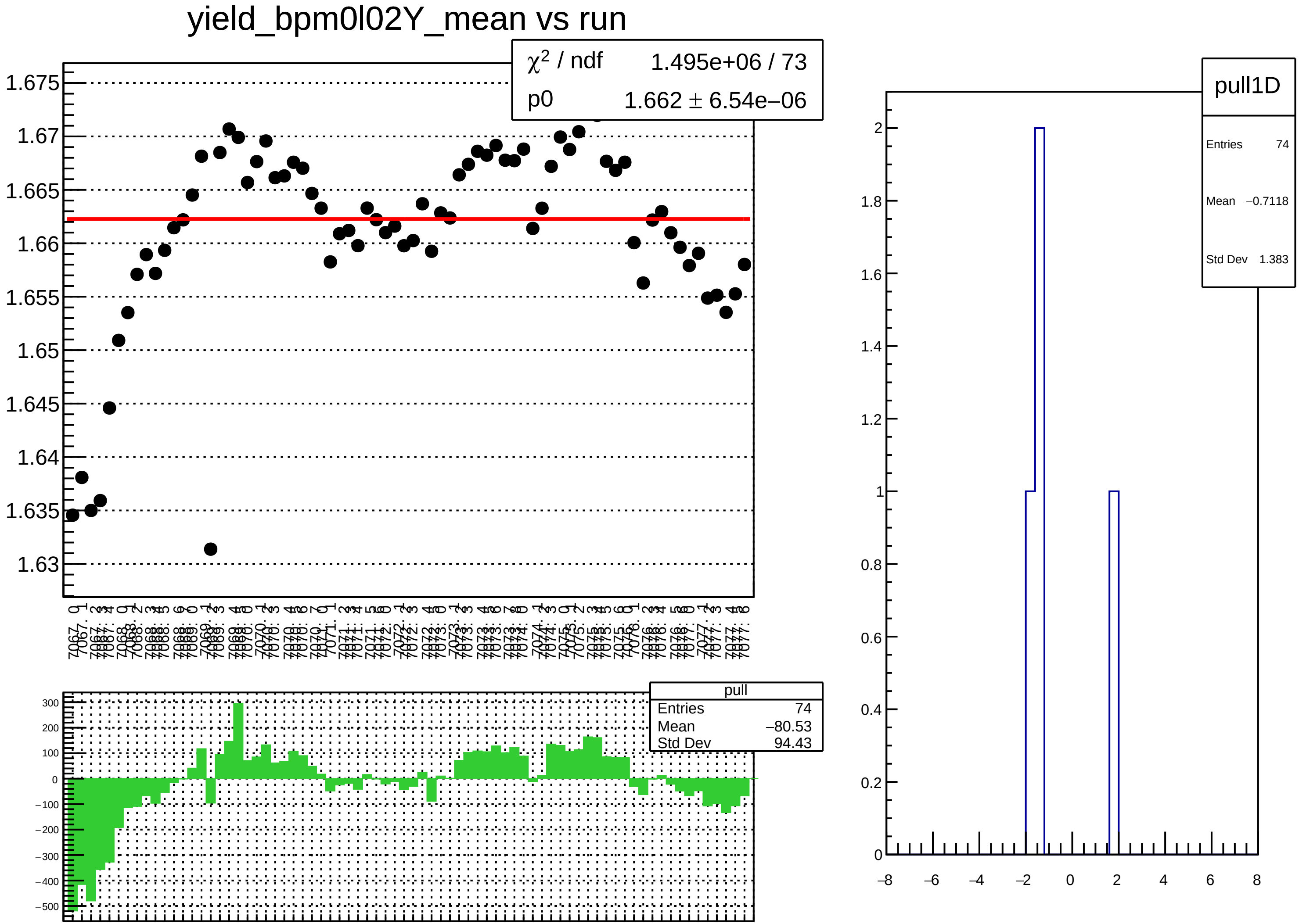

yield_bpm0l01Y_rms vs run
χ2 / ndf 5.798e+04 / 73
p0 0.008056 ± 6.629e−06
0.06
0.05
0.04
0.03
0.02
0.01

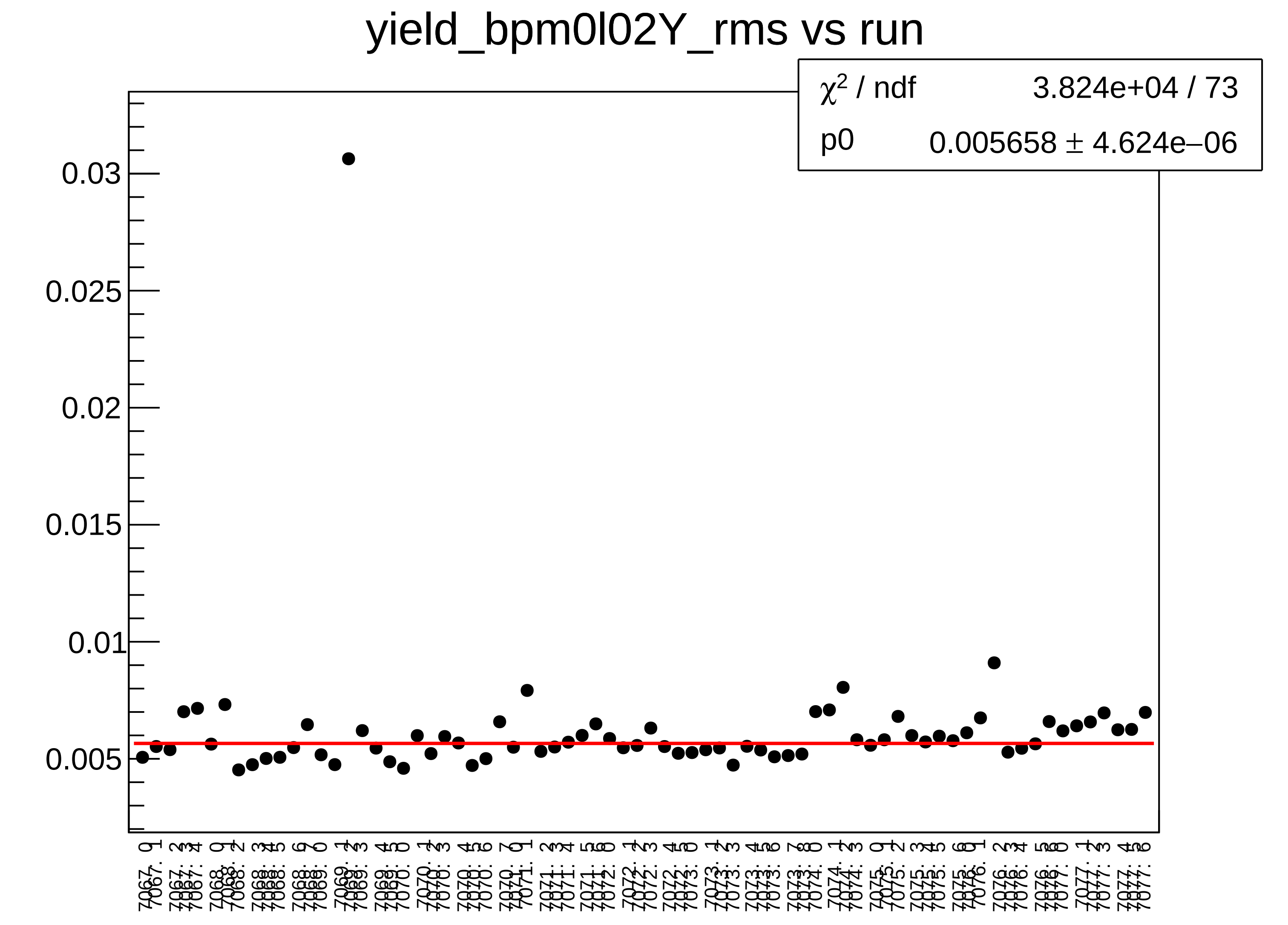


yield_bpm0l02X_mean vs run
χ^2 / ndf 9.181e+06 / 73
p0 −3.054 ± 1.829e−05
pull
Entries 74
Mean −9.477e+04
Std Dev 9.479e+04
pull1D
Entries 74
Mean 0
Std Dev 0

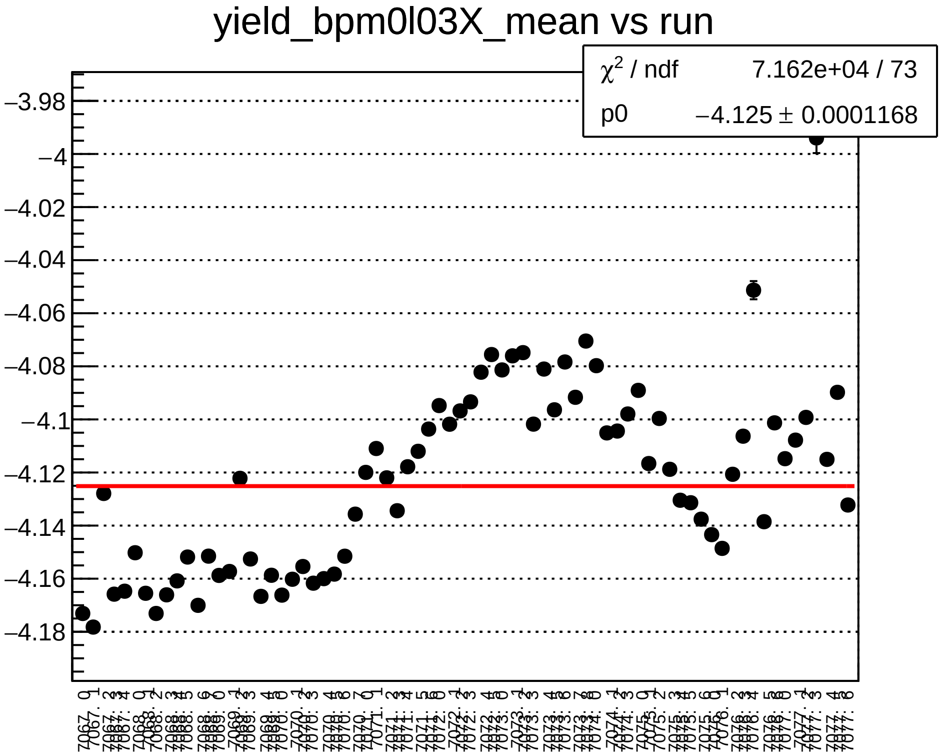


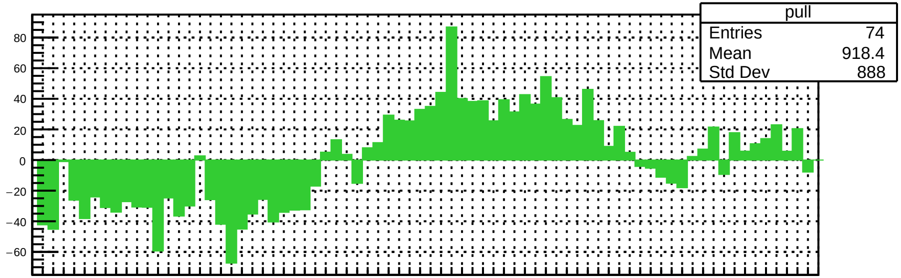
yield_bpm0l02X_rms vs run
χ^2 / ndf 2.716e+04 / 73
p0 0.01588 ± 1.293e−05
0.04
0.035
0.03
0.025
0.02
0.015

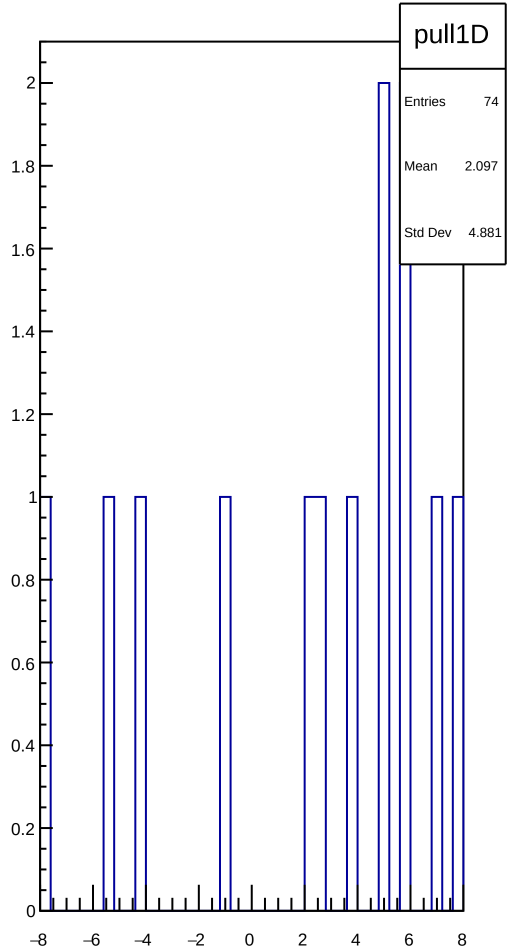

yield_bpm0l02Y_mean vs run
χ2 / ndf 1.495e+06 / 73
p0 1.662 ± 6.54e−06
pull
Entries 74
Mean −80.53
Std Dev 94.43
pull1D
Entries 74
Mean −0.7118
Std Dev 1.383

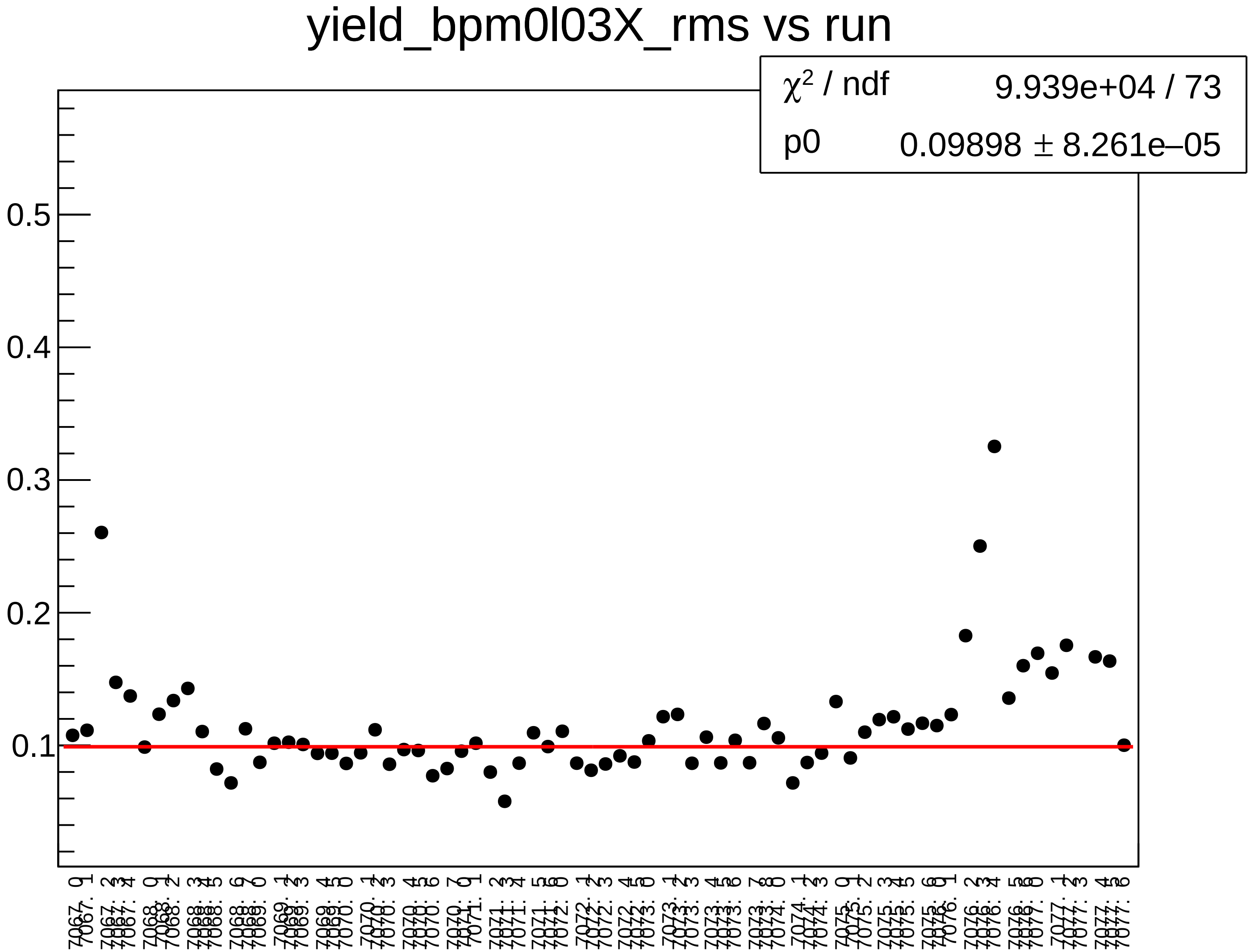


yield_bpm0l02Y_rms vs run
χ^2 / ndf 3.824e+04 / 73
p0 0.005658 ± 4.624e−06
0.03
0.025
0.02
0.015
0.01
0.005

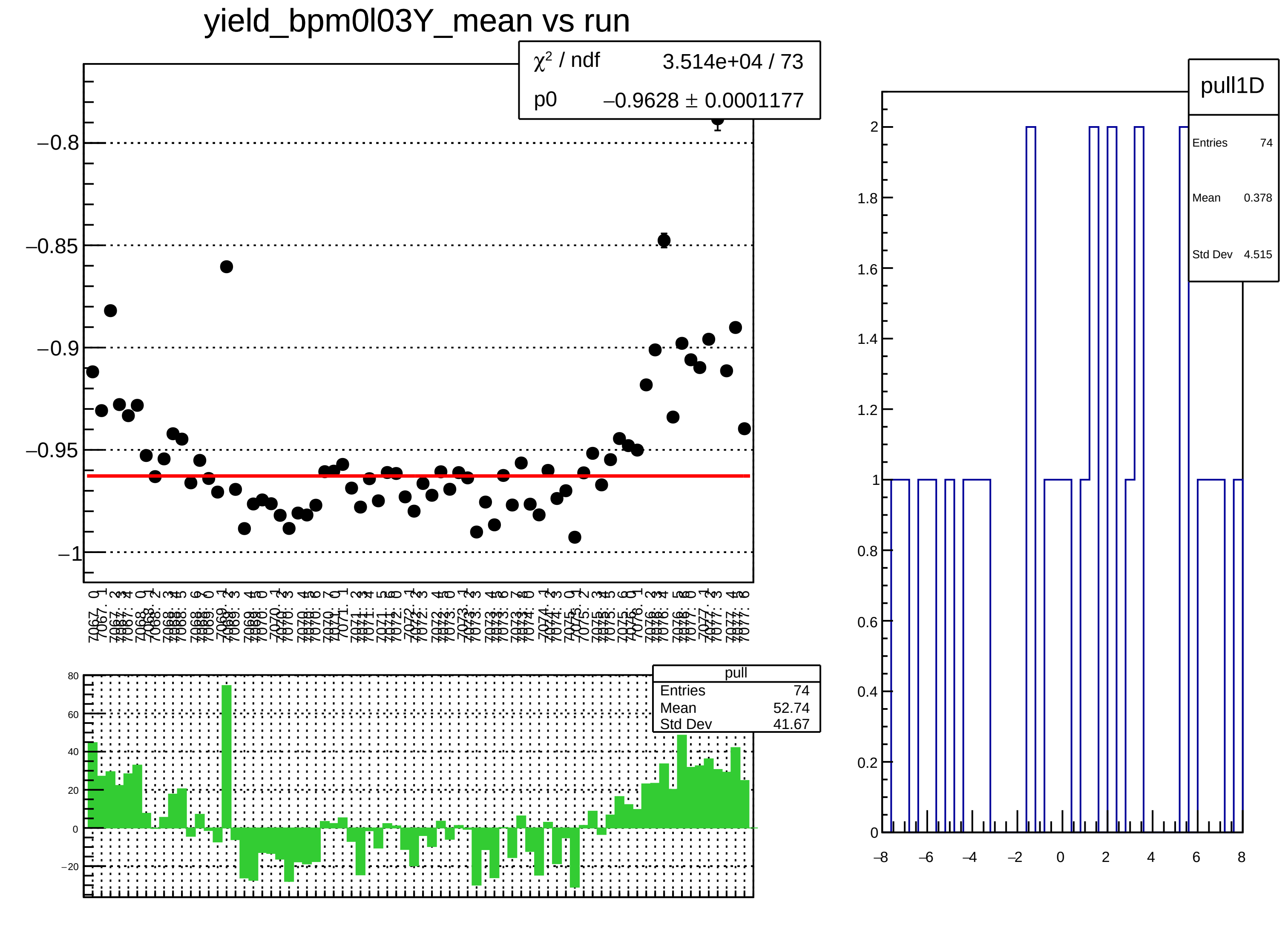

yield_bpm0l03X_mean vs run
χ^2 / ndf 7.162e+04 / 73
p0 −4.125 ± 0.0001168


pull
Entries 74
Mean 918.4
Std Dev 888

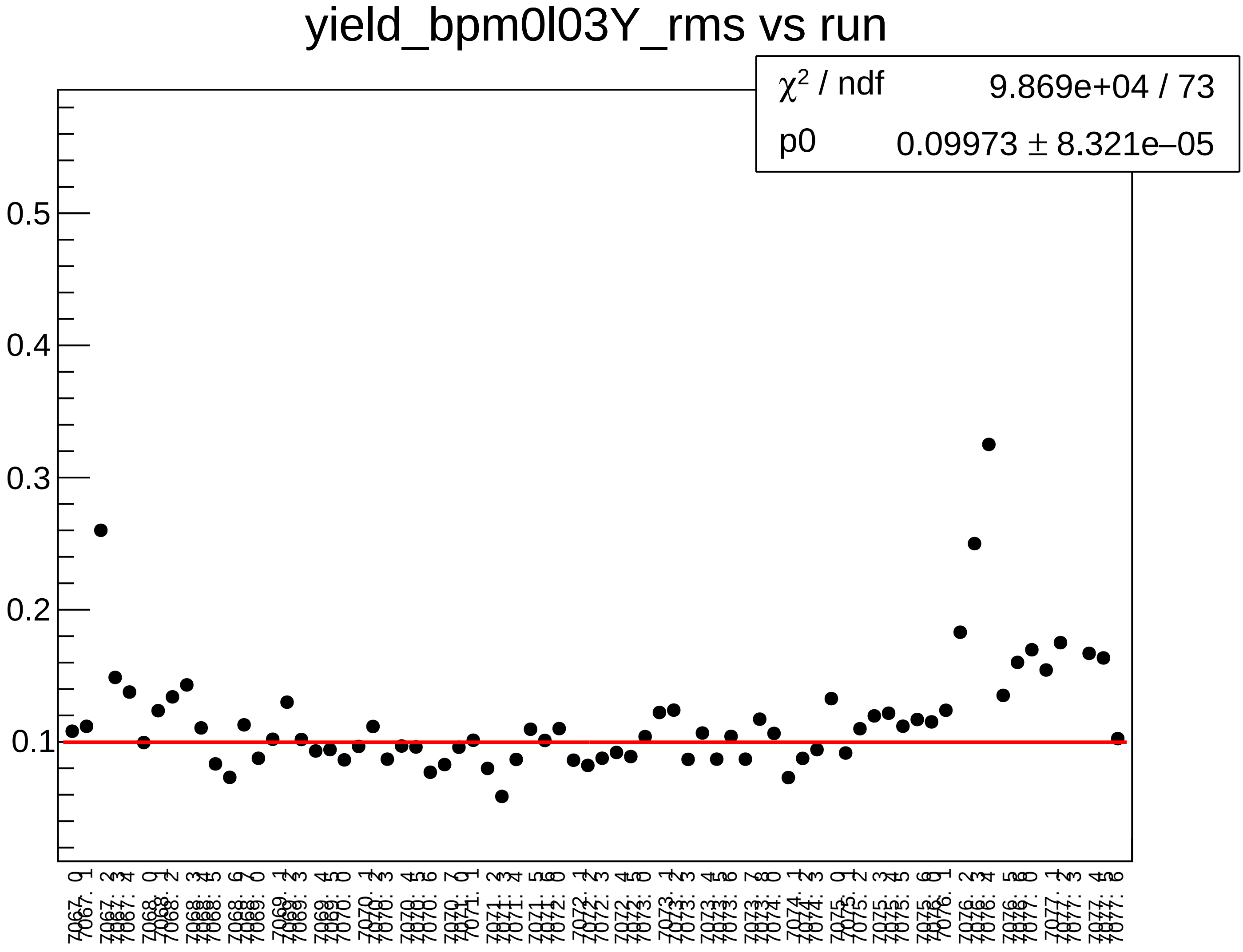

pull1D
Entries 74
Mean 2.097
Std Dev 4.881



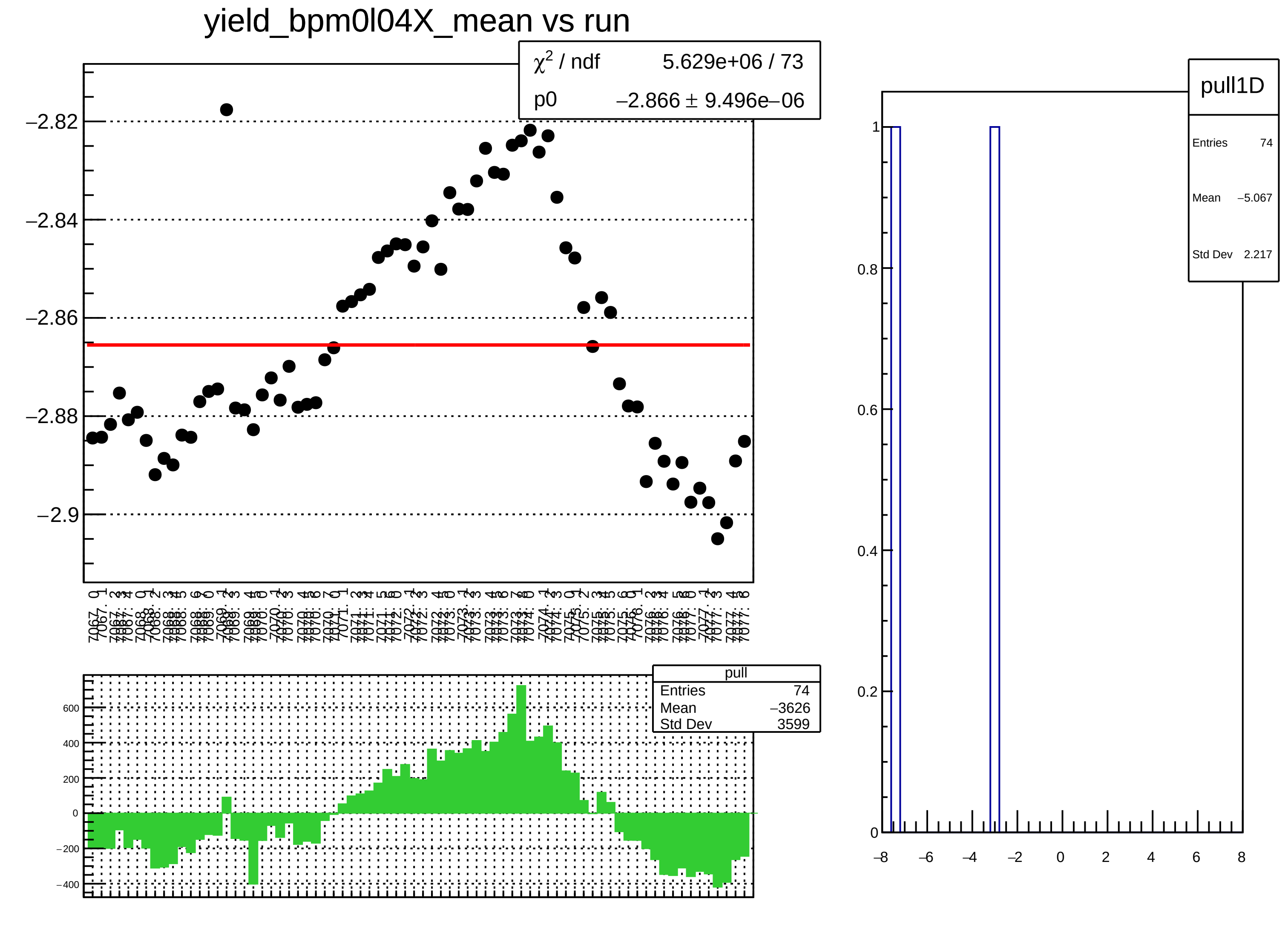
yield_bpm0l03X_rms vs run
χ^2 / ndf 9.939e+04 / 73
p0 0.09898 ± 8.261e−05
0.5
0.4
0.3
0.2
0.1

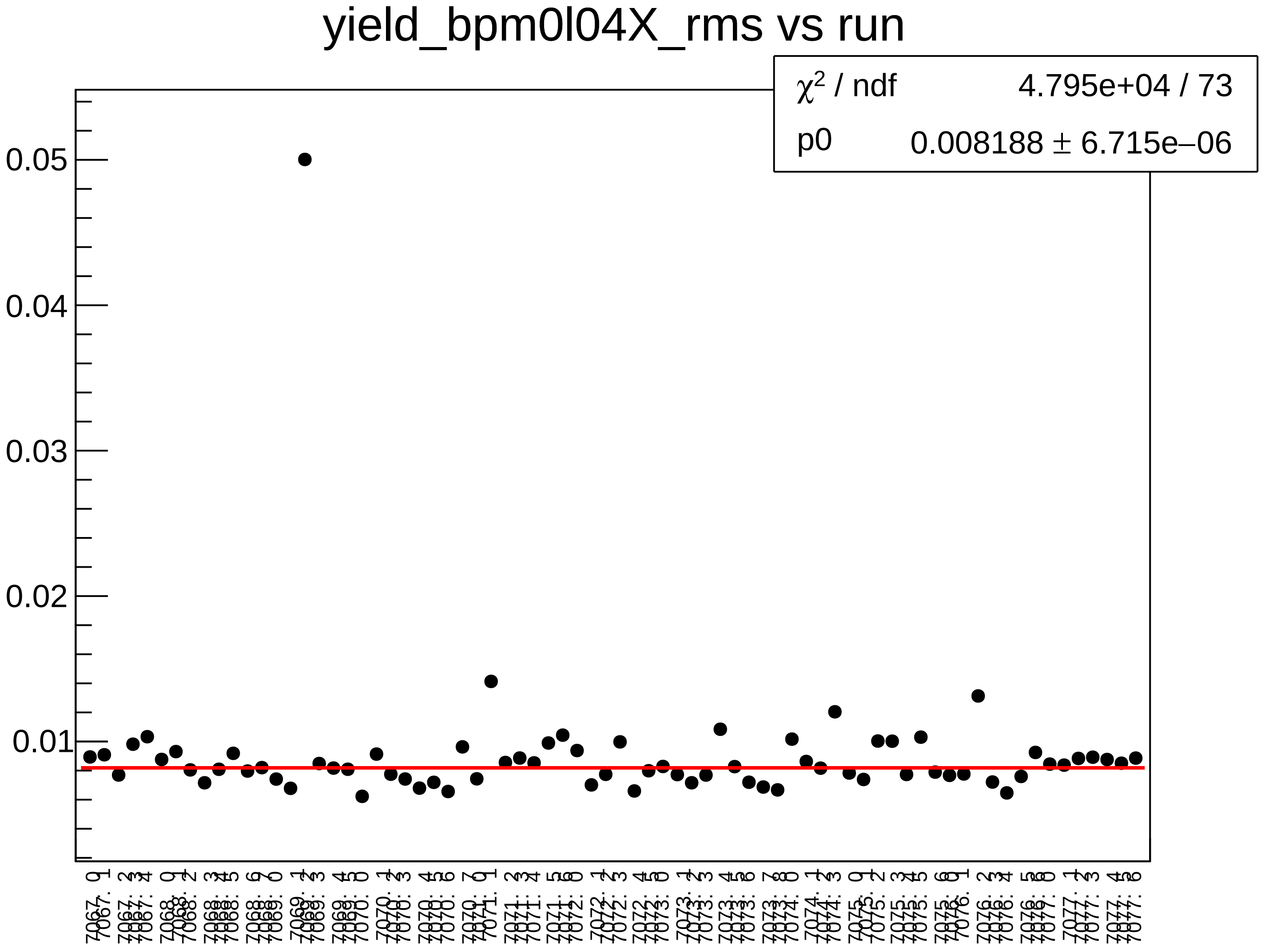


yield_bpm0l03Y_mean vs run
χ^2 / ndf 3.514e+04 / 73
p0 −0.9628 ± 0.0001177
pull
Entries 74
Mean 52.74
Std Dev 41.67
pull1D
Entries 74
Mean 0.378
Std Dev 4.515

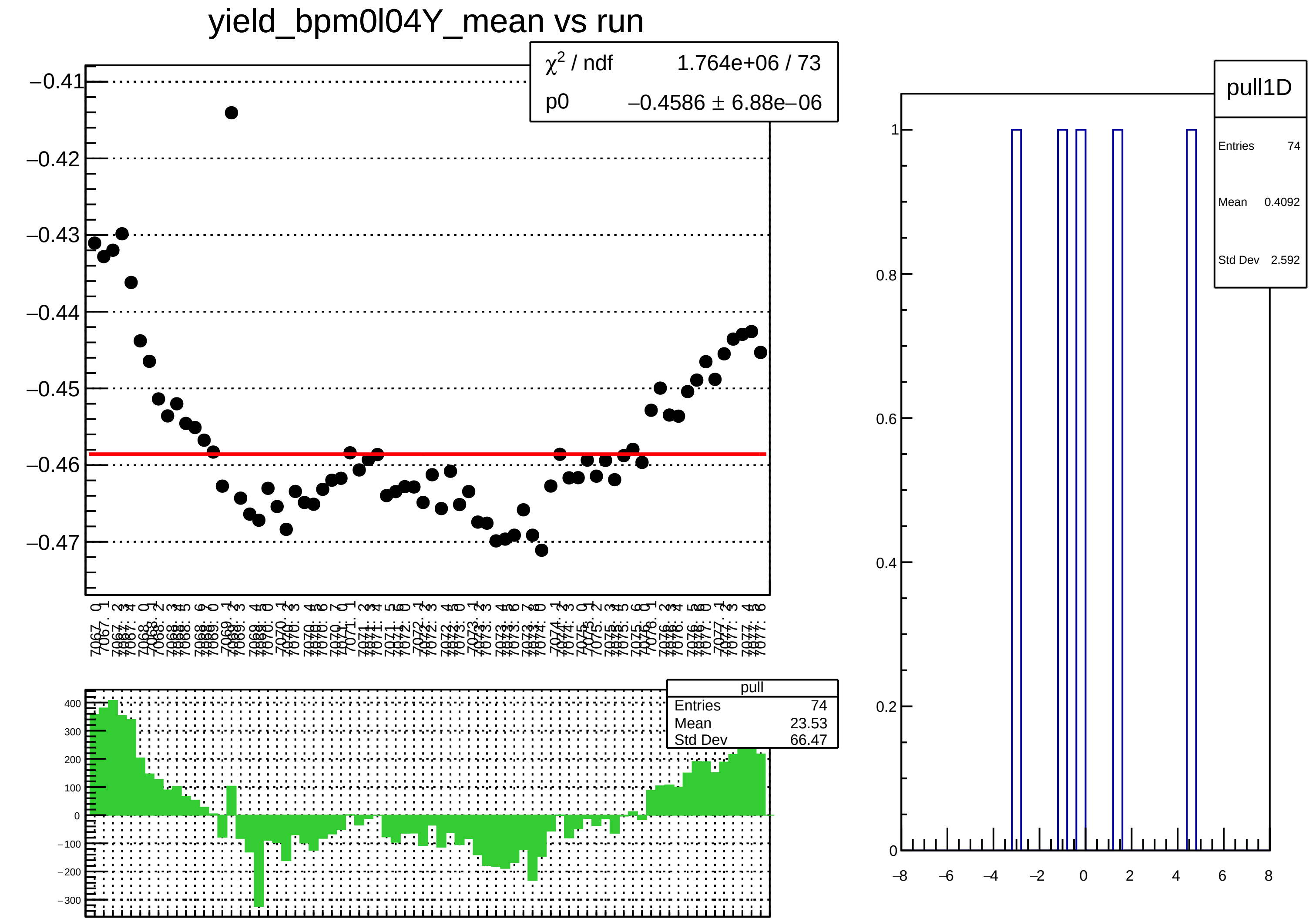


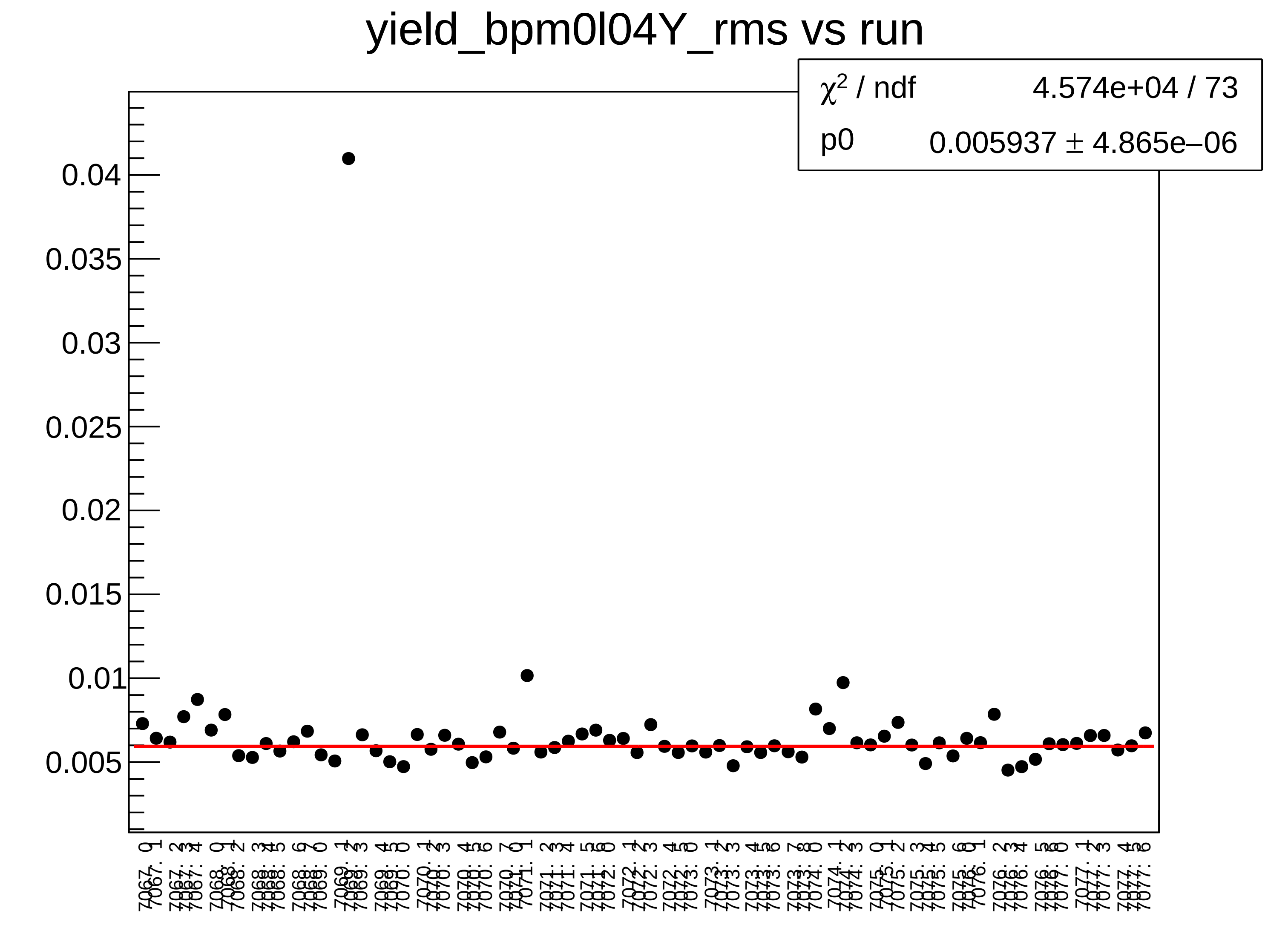
yield_bpm0l03Y_rms vs run
χ2 / ndf 9.869e+04 / 73
p0 0.09973 ± 8.321e−05
0.5
0.4
0.3
0.2
0.1

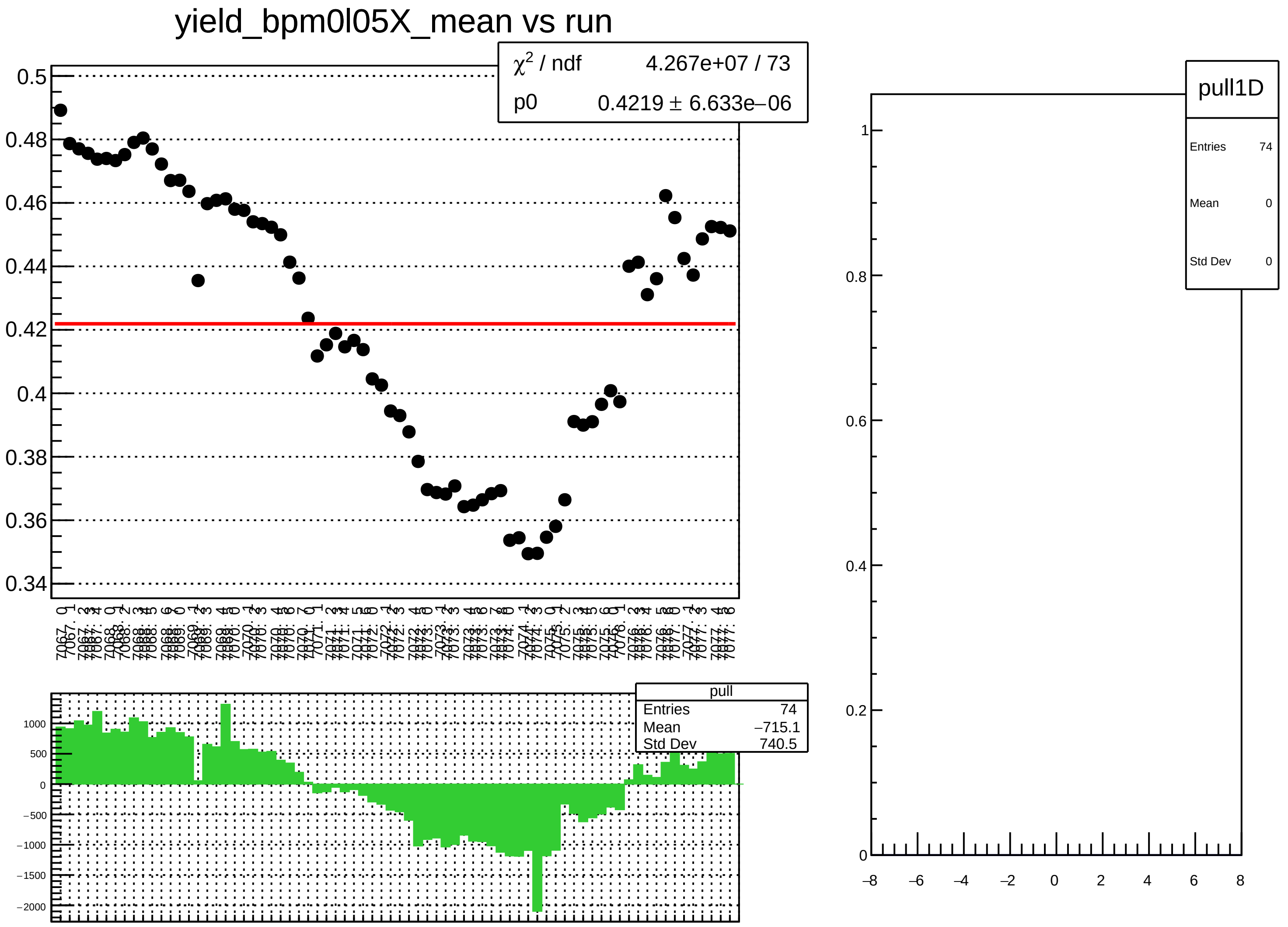

yield_bpm0l04X_mean vs run
χ^2 / ndf 5.629e+06 / 73
p0 −2.866 ± 9.496e−06
pull
Entries 74
Mean −3626
Std Dev 3599
pull1D
Entries 74
Mean −5.067
Std Dev 2.217



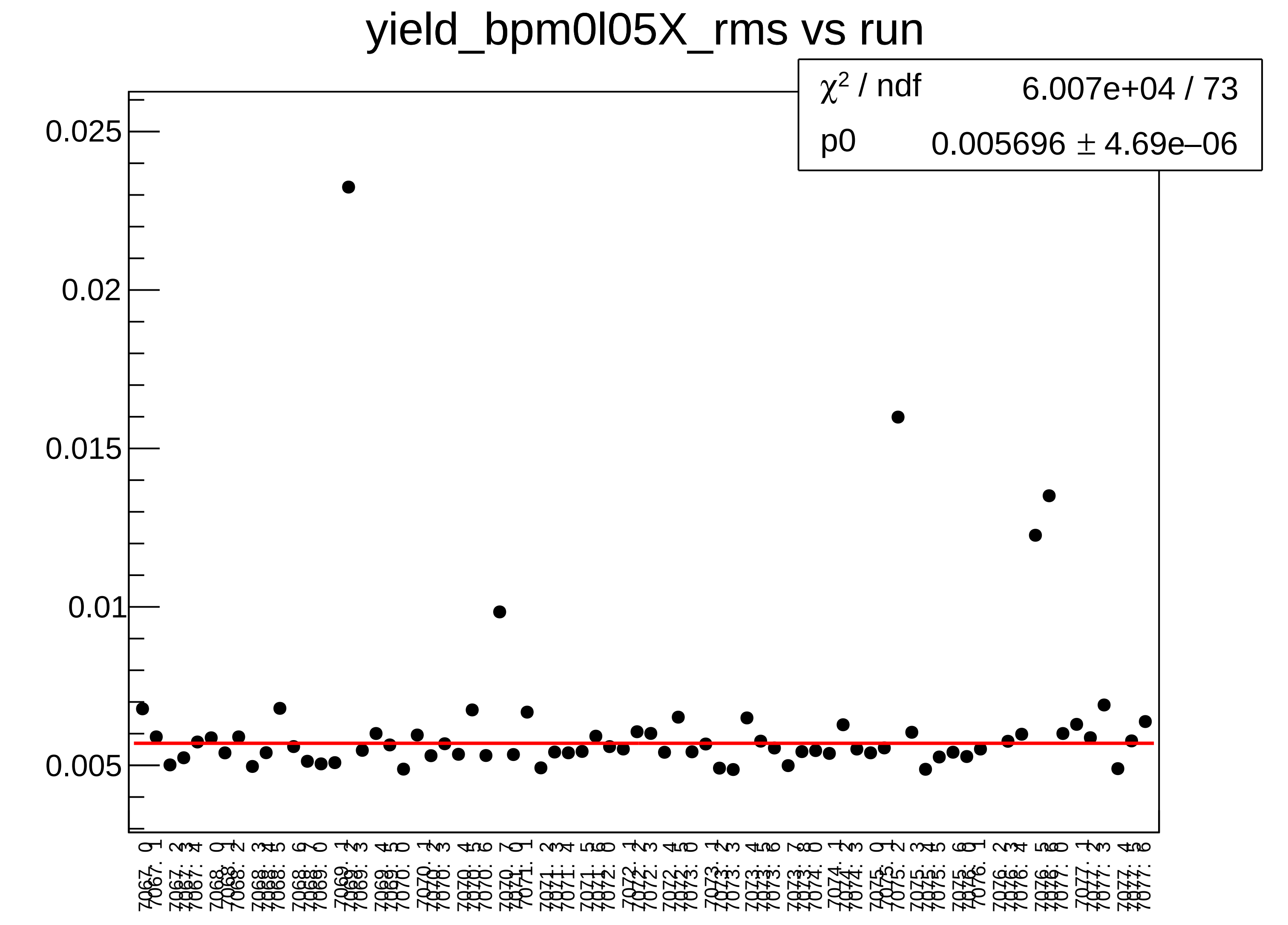
yield_bpm0l04X_rms vs run
χ^2 / ndf 4.795e+04 / 73
p0 0.008188 ± 6.715e−06
0.05
0.04
0.03
0.02
0.01

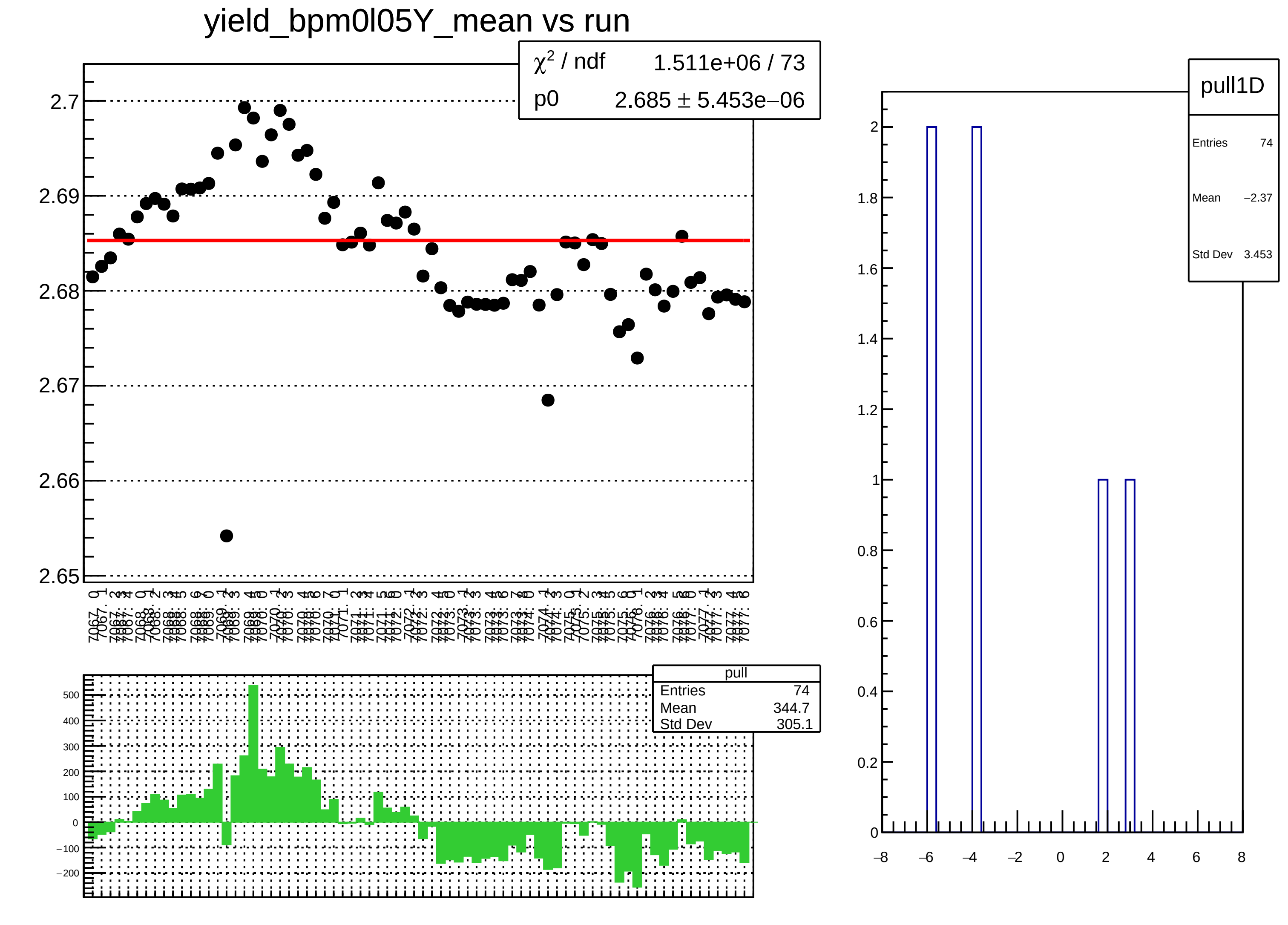

yield_bpm0l04Y_mean vs run
χ2 / ndf 1.764e+06 / 73
p0 −0.4586 ± 6.88e−06
−0.41
−0.42
−0.43
−0.44
−0.45
−0.46
−0.47
pull
Entries 74
Mean 23.53
Std Dev 66.47
400
300
200
100
0
−100
−200
−300
pull1D
Entries 74
Mean 0.4092
Std Dev 2.592
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8


yield_bpm0I04Y_rms vs run
χ^2 / ndf 4.574e+04 / 73
p0 0.005937 ± 4.865e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

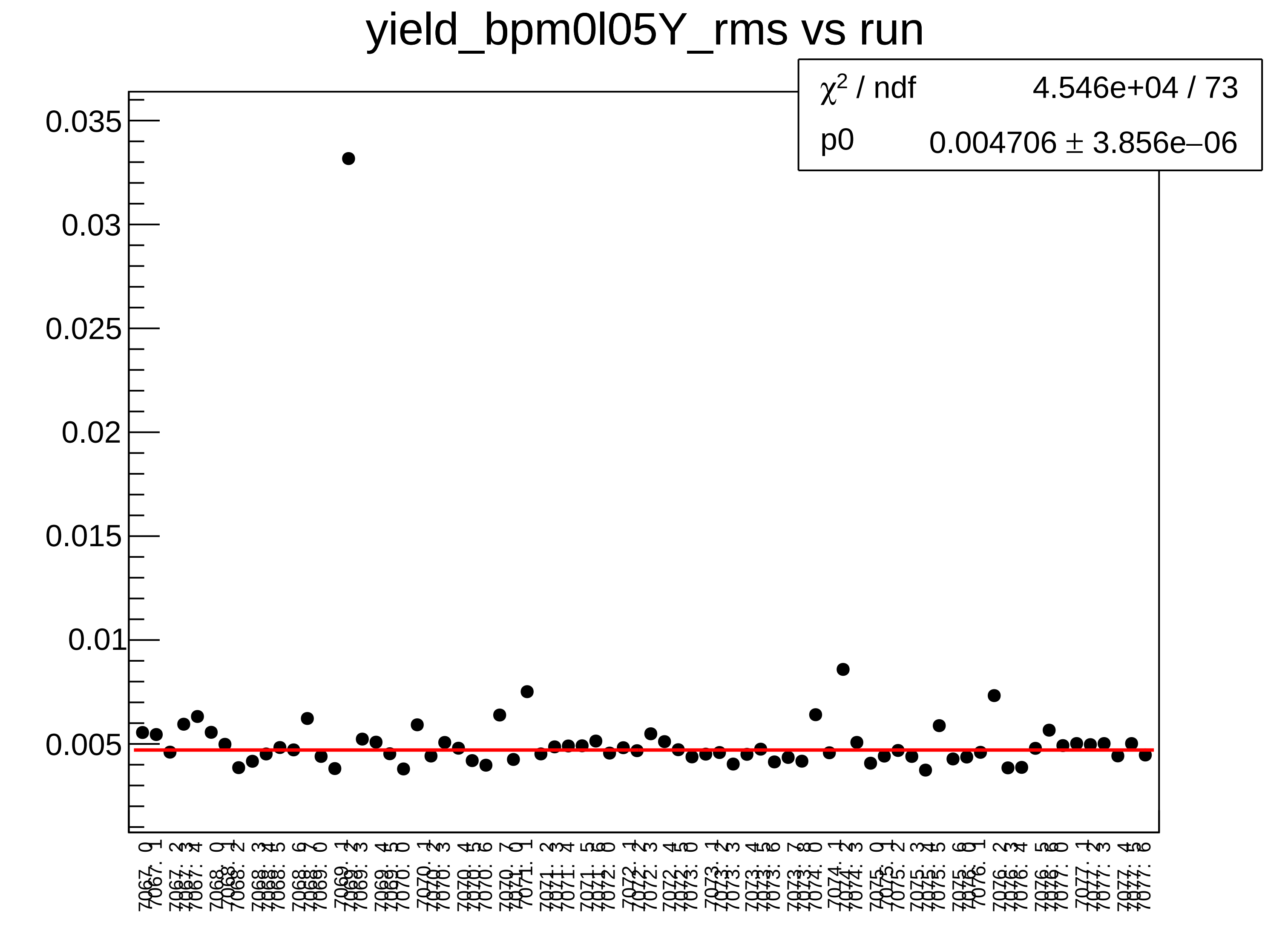


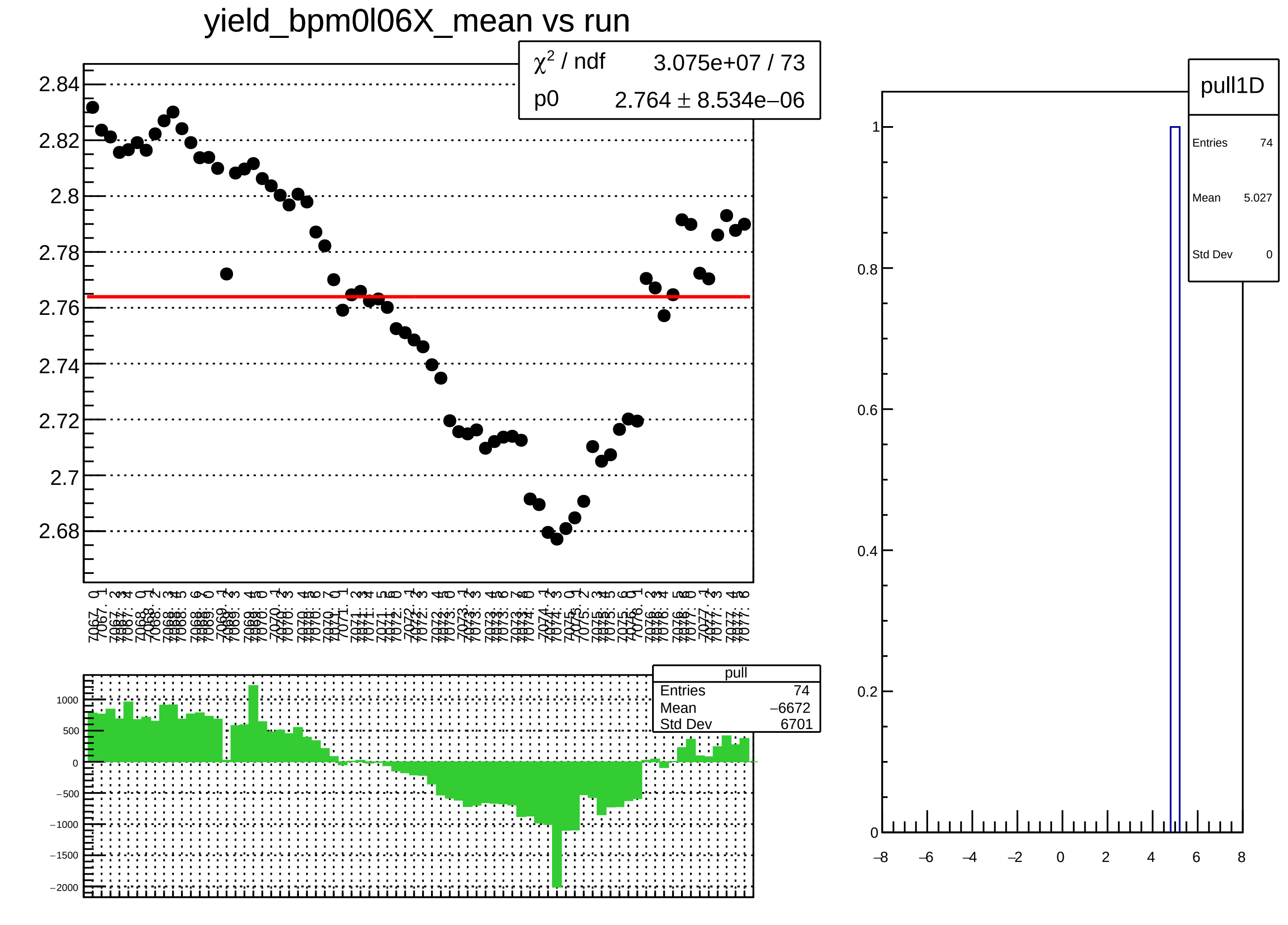
yield_bpm0l05X_mean vs run
χ^2 / ndf 4.267e+07 / 73
p0 0.4219 ± 6.633e−06
pull
Entries 74
Mean −715.1
Std Dev 740.5
pull1D
Entries 74
Mean 0
Std Dev 0

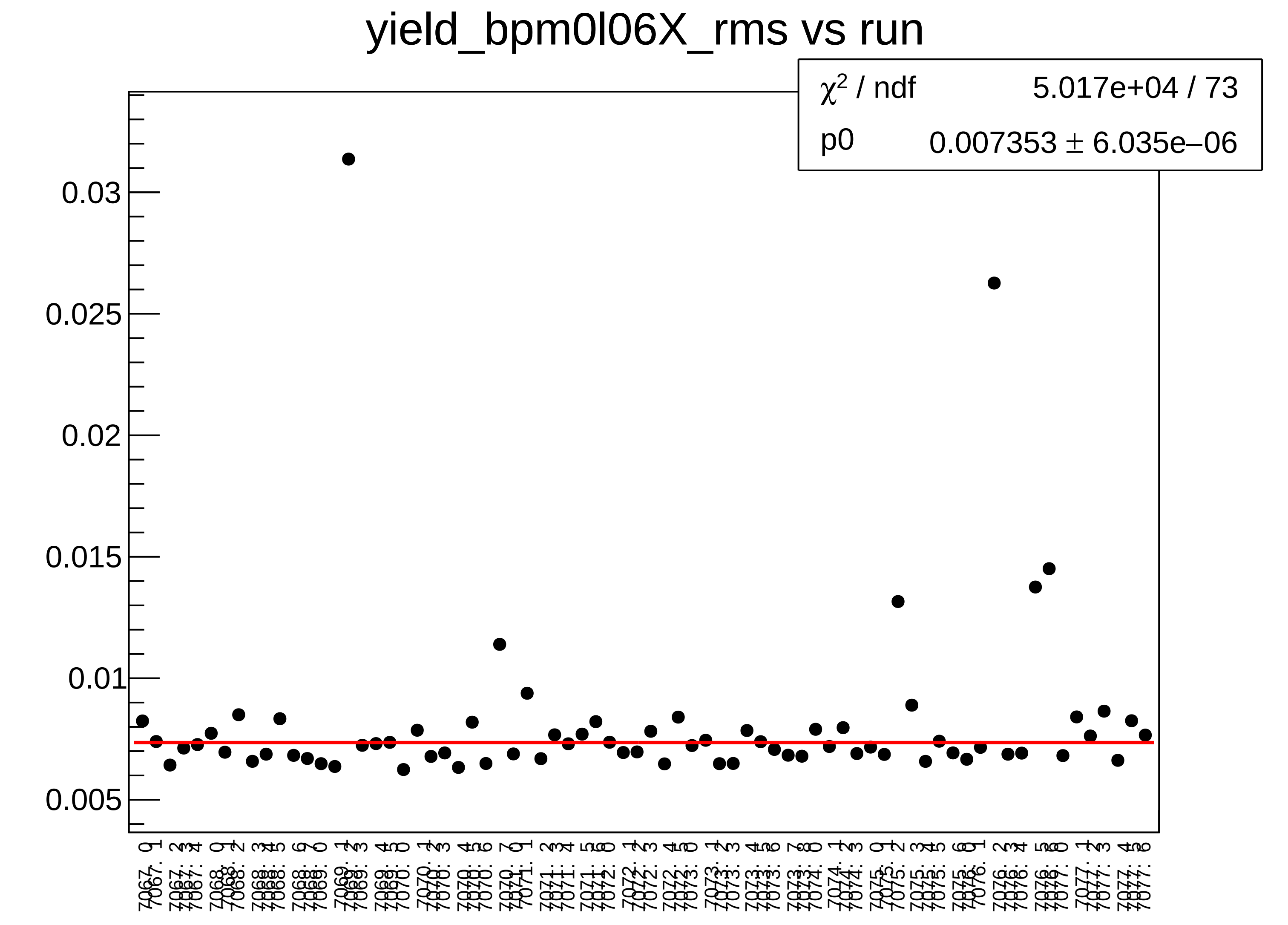

yield_bpm0l05X_rms vs run
χ2 / ndf 6.007e+04 / 73
p0 0.005696 ± 4.69e−06
0.025
0.02
0.015
0.01
0.005



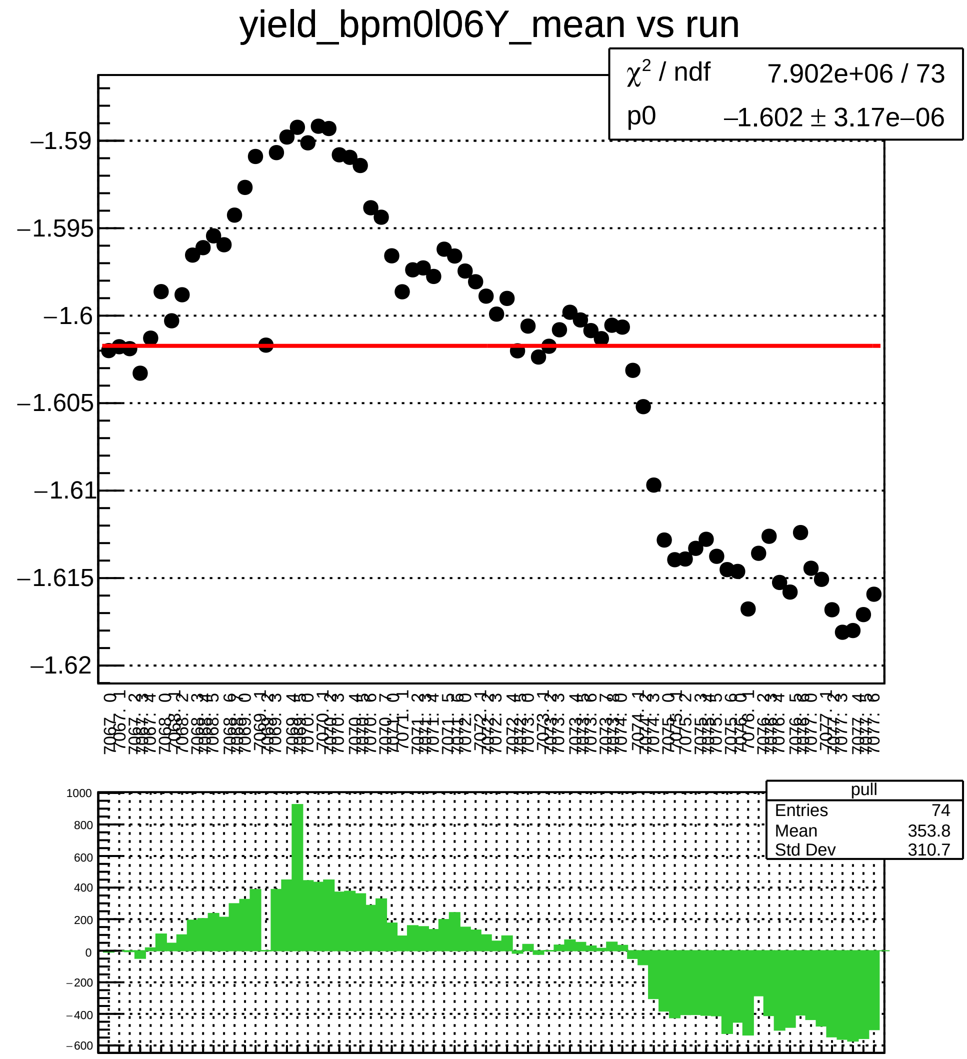
yield_bpm0l05Y_mean vs run
χ^2 / ndf 1.511e+06 / 73
p0 2.685 ± 5.453e−06
pull
Entries 74
Mean 344.7
Std Dev 305.1
pull1D
Entries 74
Mean −2.37
Std Dev 3.453


yield_bpm0l05Y_rms vs run
χ^2 / ndf 4.546e+04 / 73
p0 0.004706 ± 3.856e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

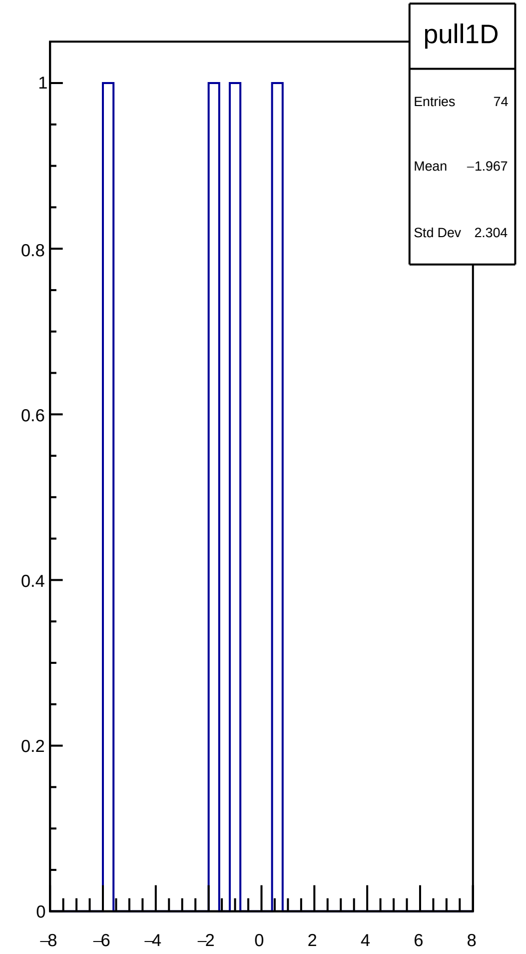

yield_bpm0l06X_mean vs run
χ^2 / ndf 3.075e+07 / 73
p0 2.764 ± 8.534e−06
pull
Entries 74
Mean −6672
Std Dev 6701
pull1D
Entries 74
Mean 5.027
Std Dev 0



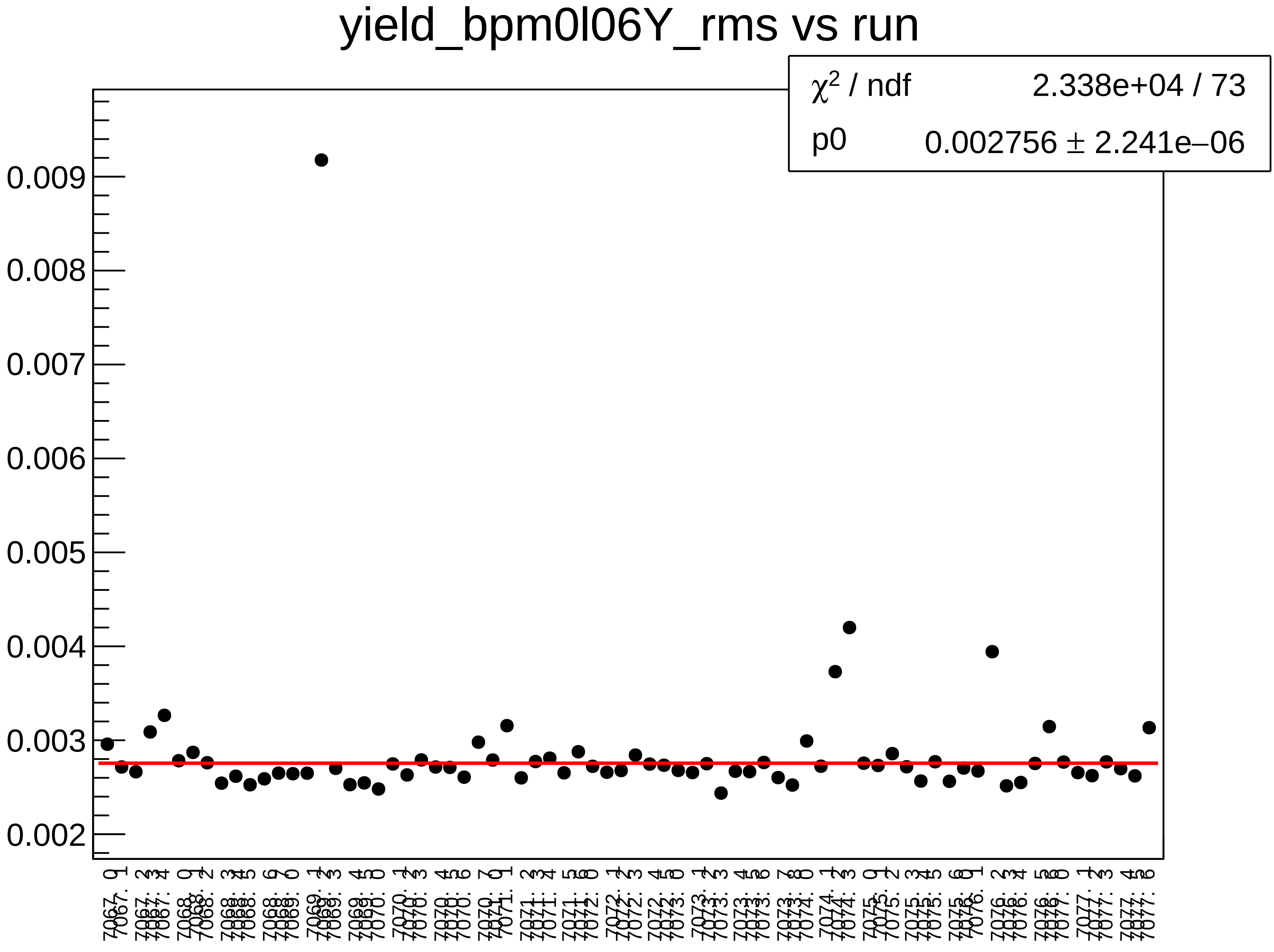
yield_bpm0l06X_rms vs run
χ^2 / ndf 5.017e+04 / 73
p0 0.007353 ± 6.035e−06
0.03
0.025
0.02
0.015
0.01
0.005

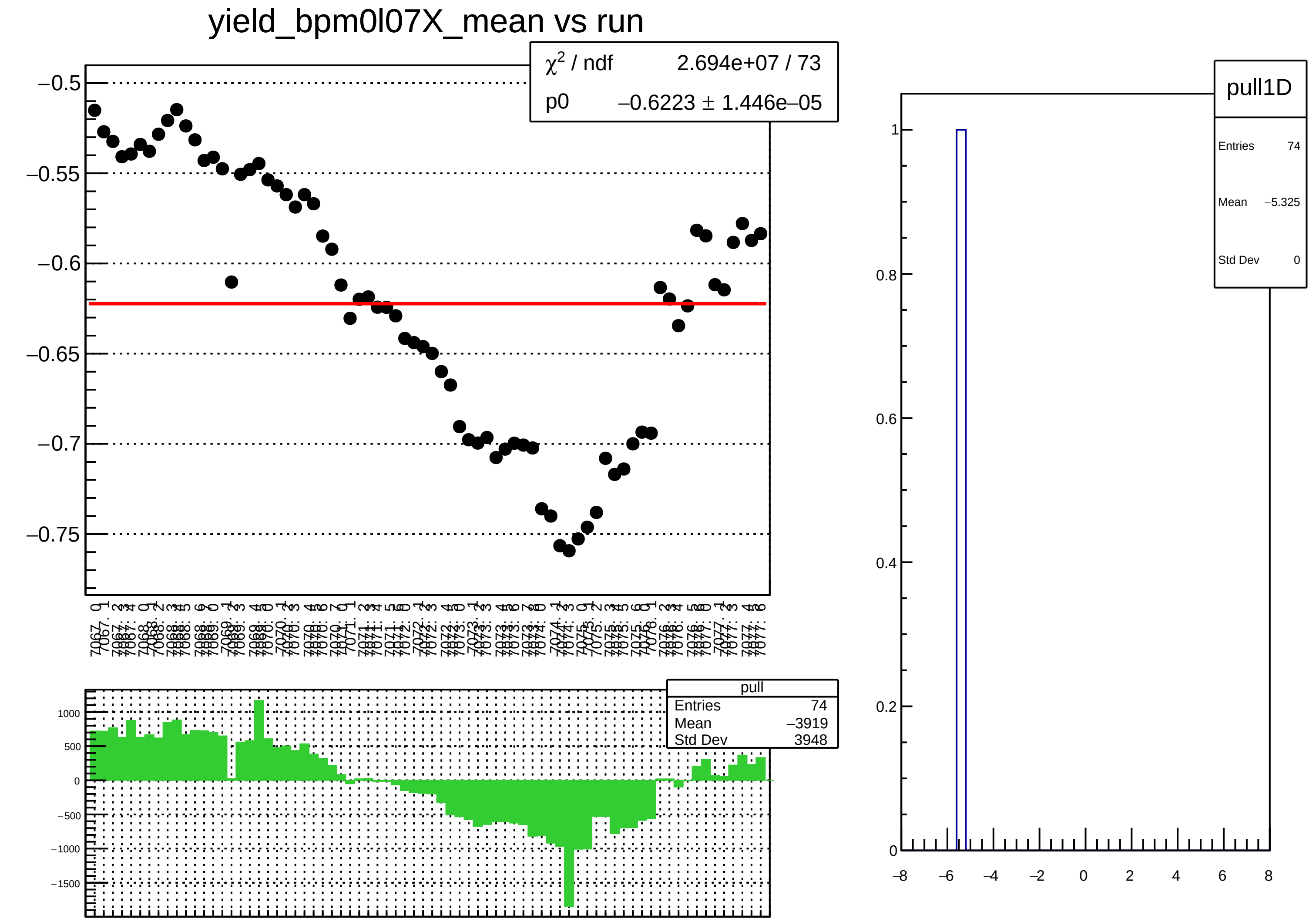


yield_bpm0l06Y_mean vs run
χ^2 / ndf 7.902e+06 / 73
p0 −1.602 ± 3.17e−06
pull
Entries 74
Mean 353.8
Std Dev 310.7

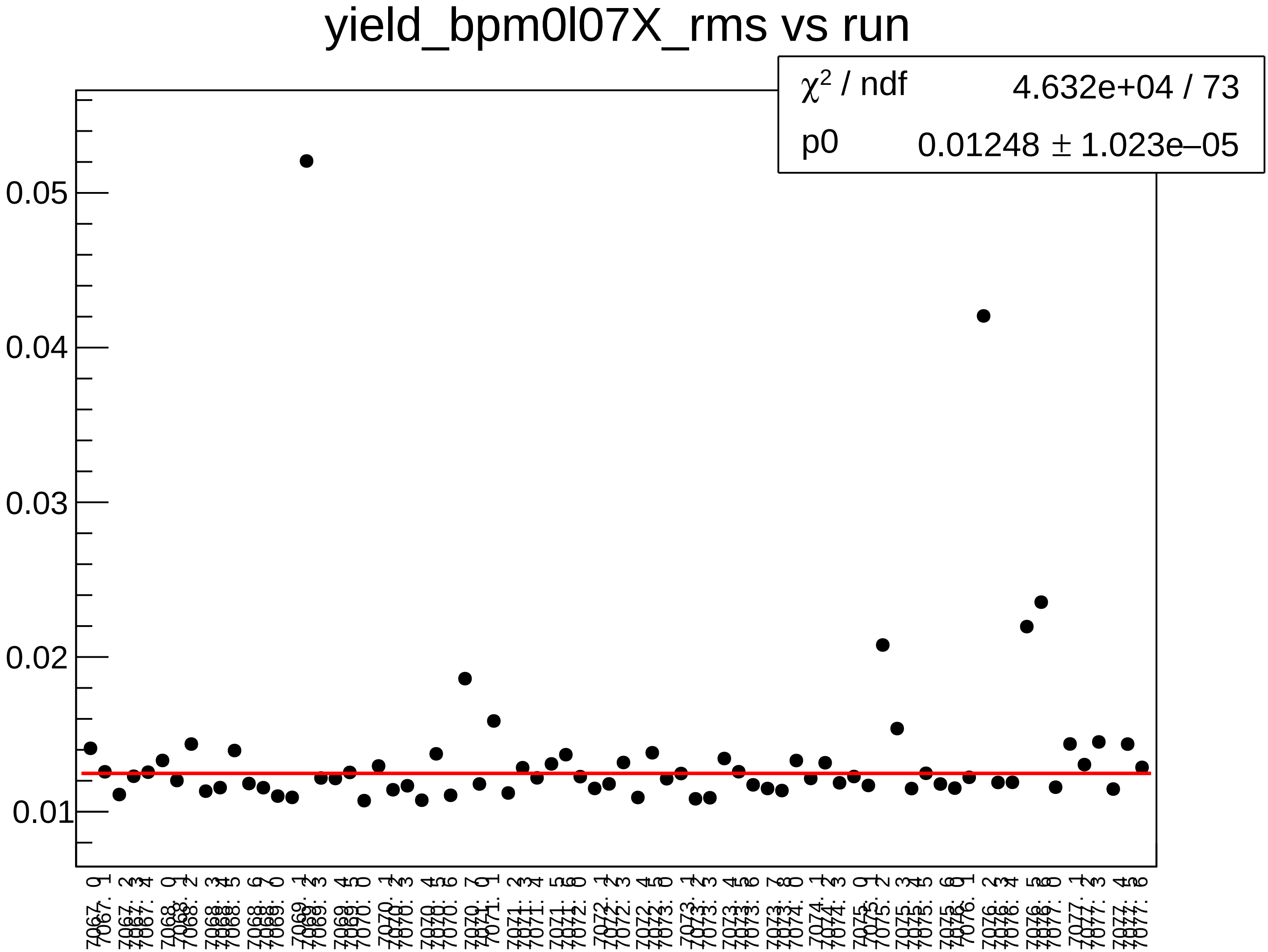


pull1D
Entries 74
Mean −1.967
Std Dev 2.304

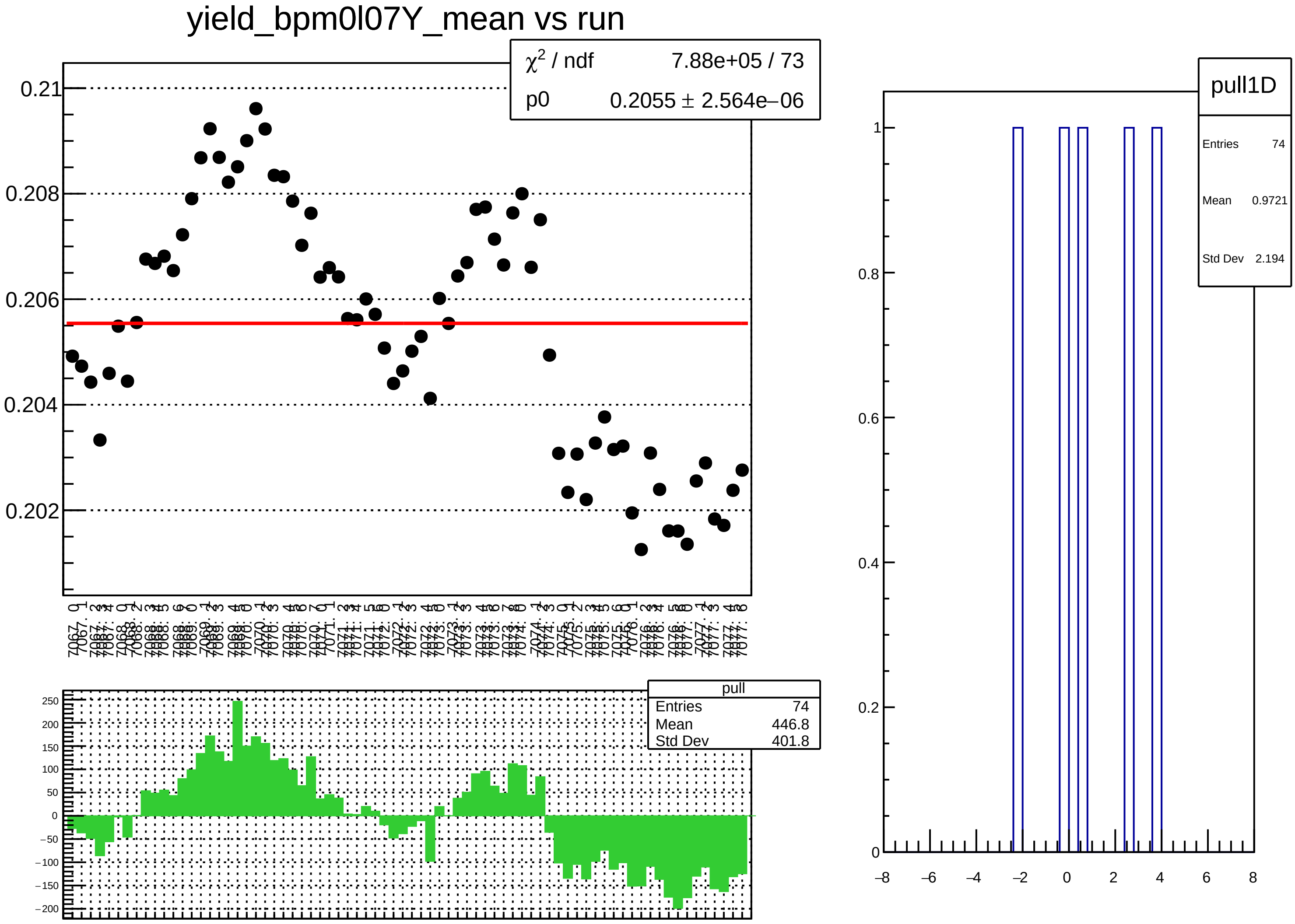

yield_bpm0l06Y_rms vs run
χ2 / ndf 2.338e+04 / 73
p0 0.002756 ± 2.241e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002



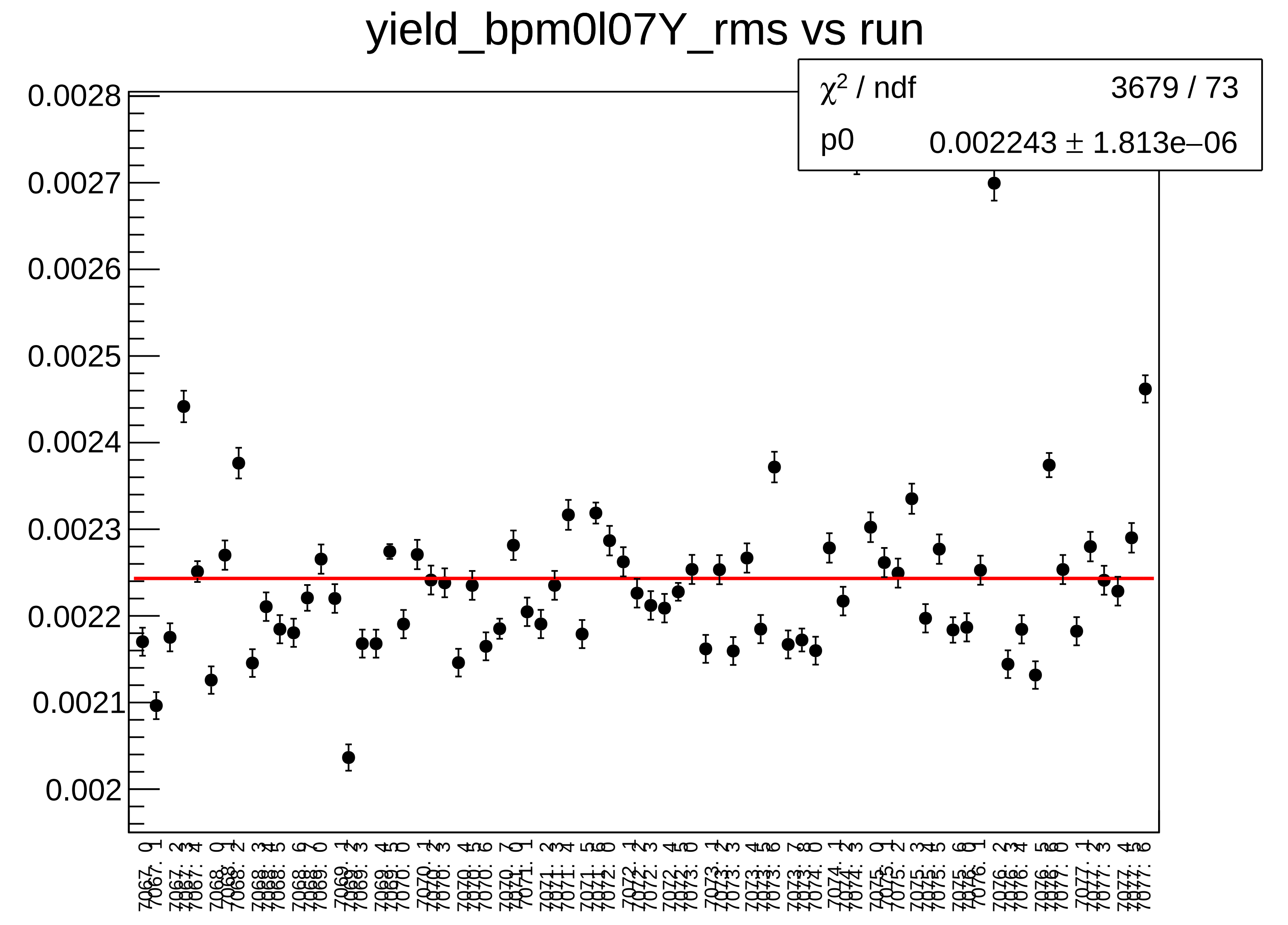
yield_bpm0l07X_mean vs run
χ^2 / ndf 2.694e+07 / 73
p0 −0.6223 ± 1.446e−05
−0.5
−0.55
−0.6
−0.65
−0.7
−0.75
pull
Entries 74
Mean −3919
Std Dev 3948
1000
500
0
−500
−1000
−1500
pull1D
Entries 74
Mean −5.325
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

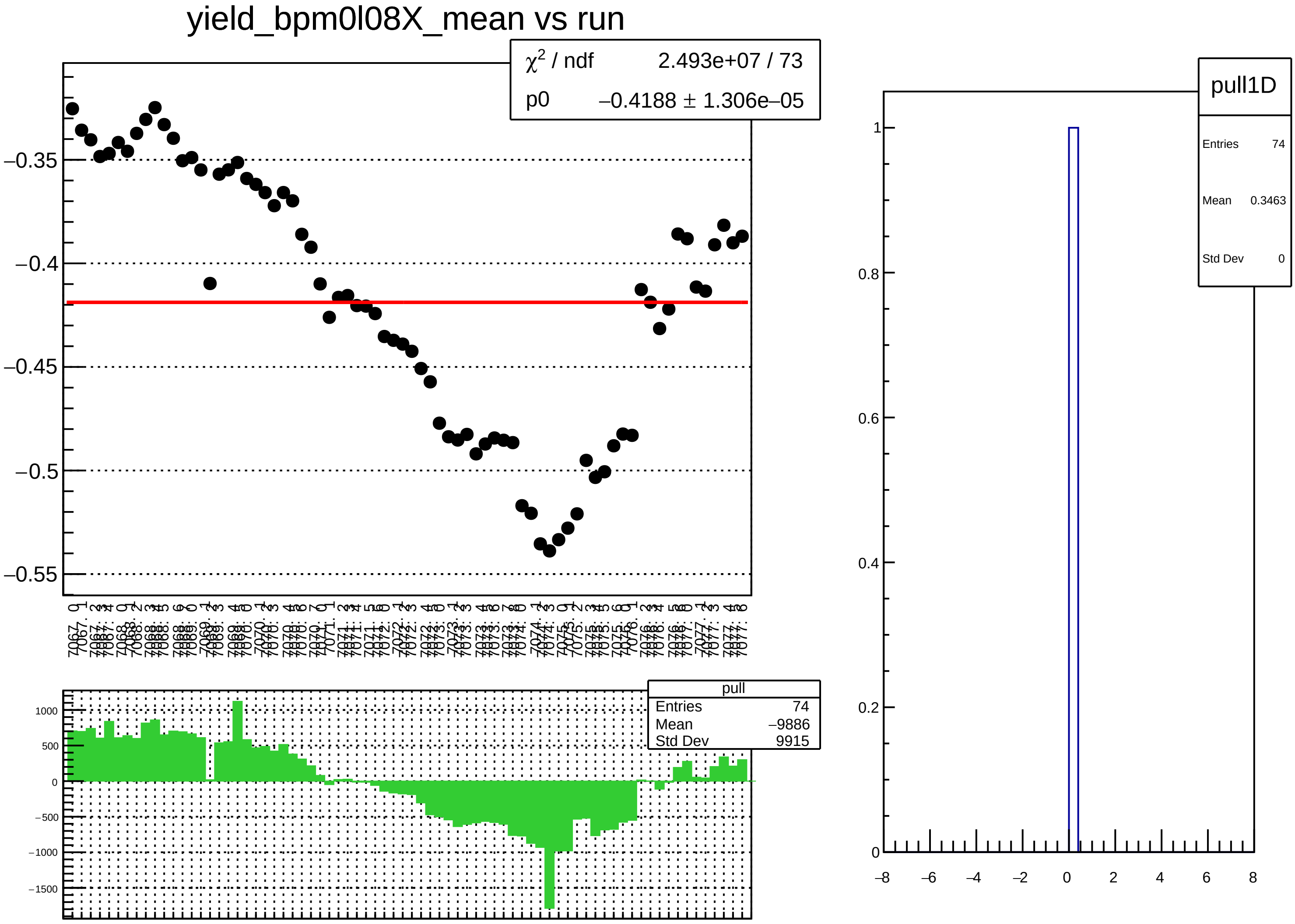


yield_bpm0l07X_rms vs run
χ^2 / ndf 4.632e+04 / 73
p0 0.01248 ± 1.023e−05
0.05
0.04
0.03
0.02
0.01

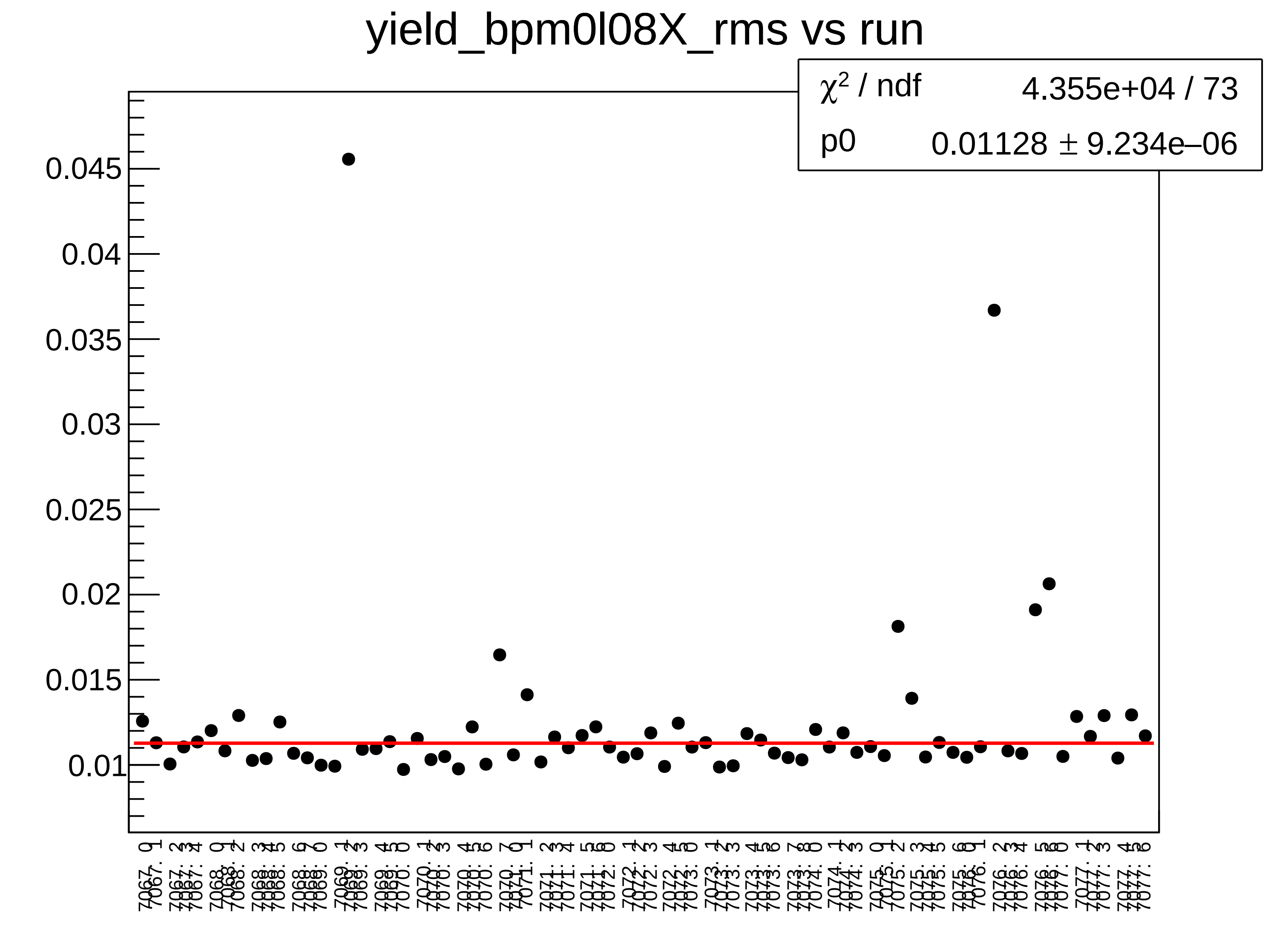


yield_bpm0l07Y_mean vs run
χ^2 / ndf 7.88e+05 / 73
p0 0.2055 ± 2.564e−06
pull
Entries 74
Mean 446.8
Std Dev 401.8
pull1D
Entries 74
Mean 0.9721
Std Dev 2.194

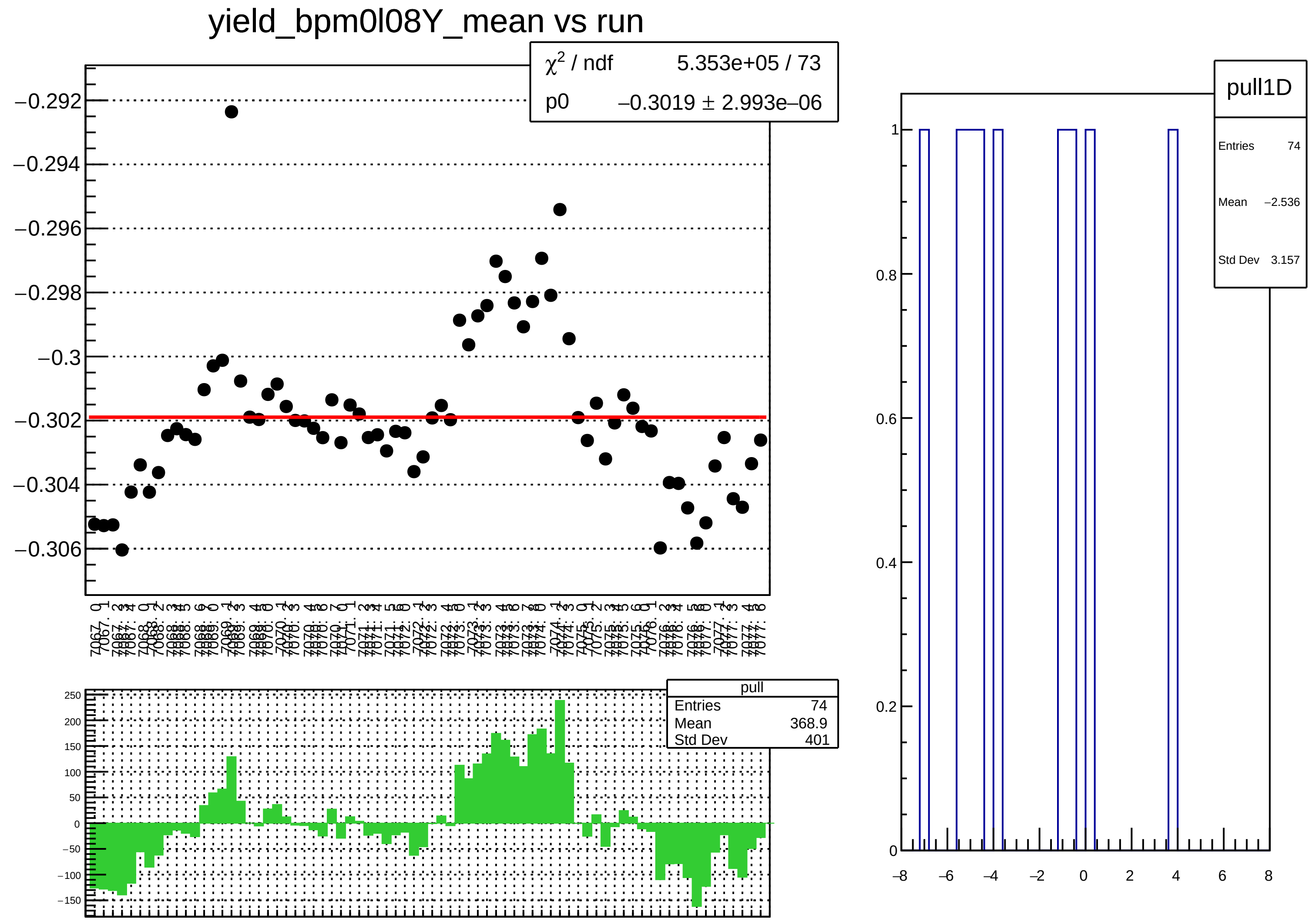

yield_bpm0l07Y_rms vs run
χ2 / ndf 3679 / 73
p0 0.002243 ± 1.813e−06
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
0.0021
0.002

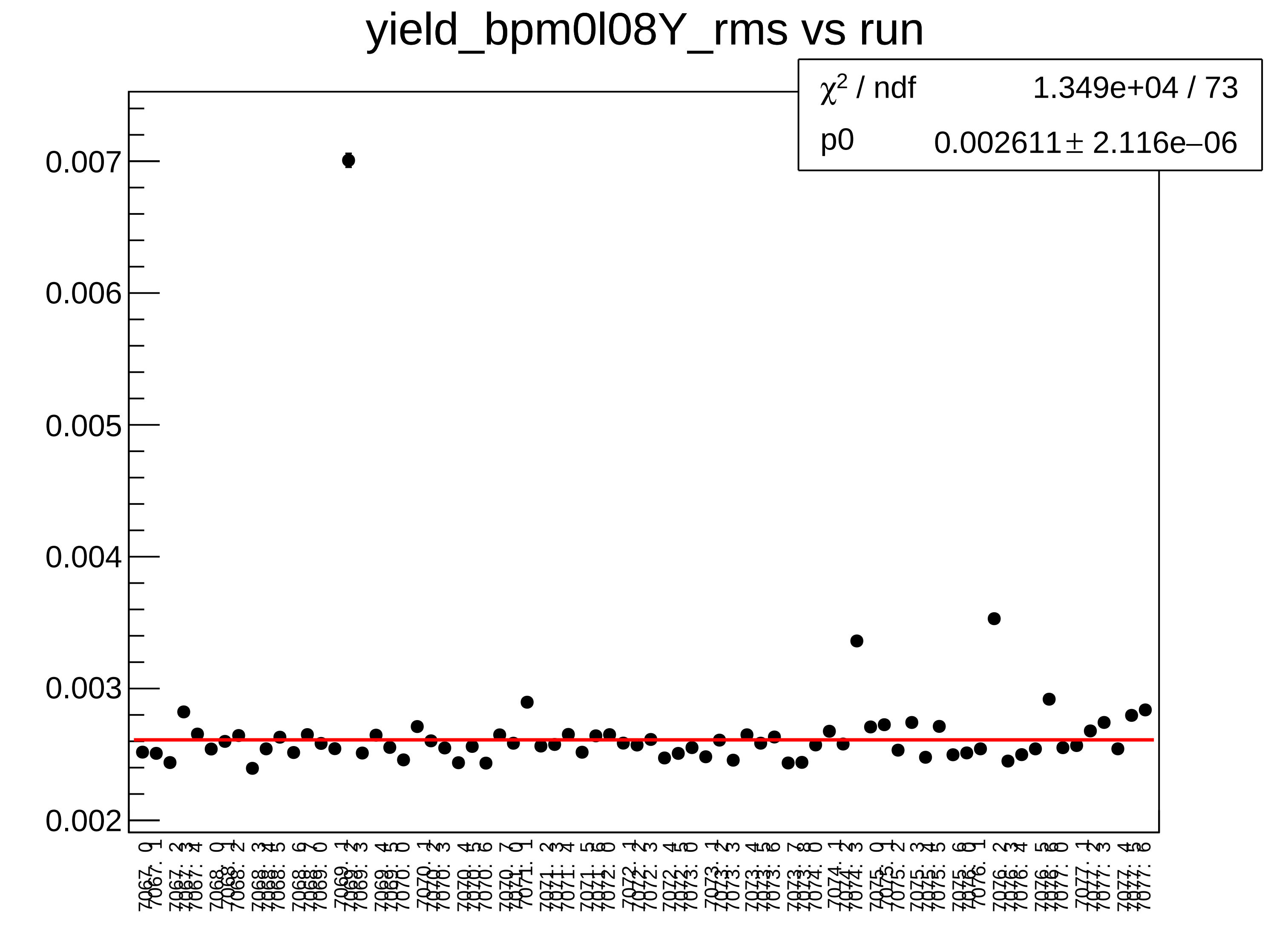


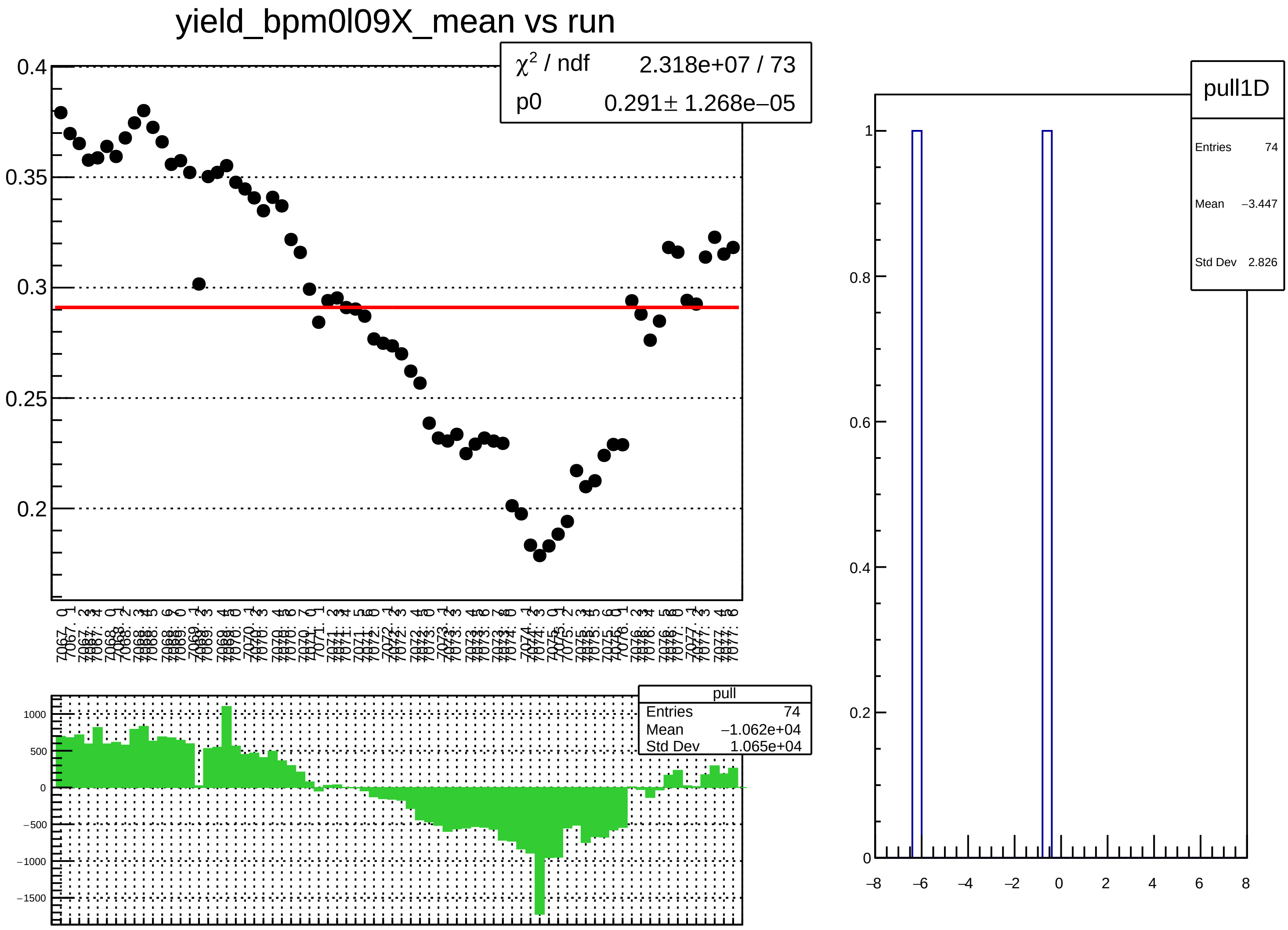
yield_bpm0l08X_mean vs run
χ^2 / ndf 2.493e+07 / 73
p0 −0.4188 ± 1.306e−05
pull
Entries 74
Mean −9886
Std Dev 9915
pull1D
Entries 74
Mean 0.3463
Std Dev 0



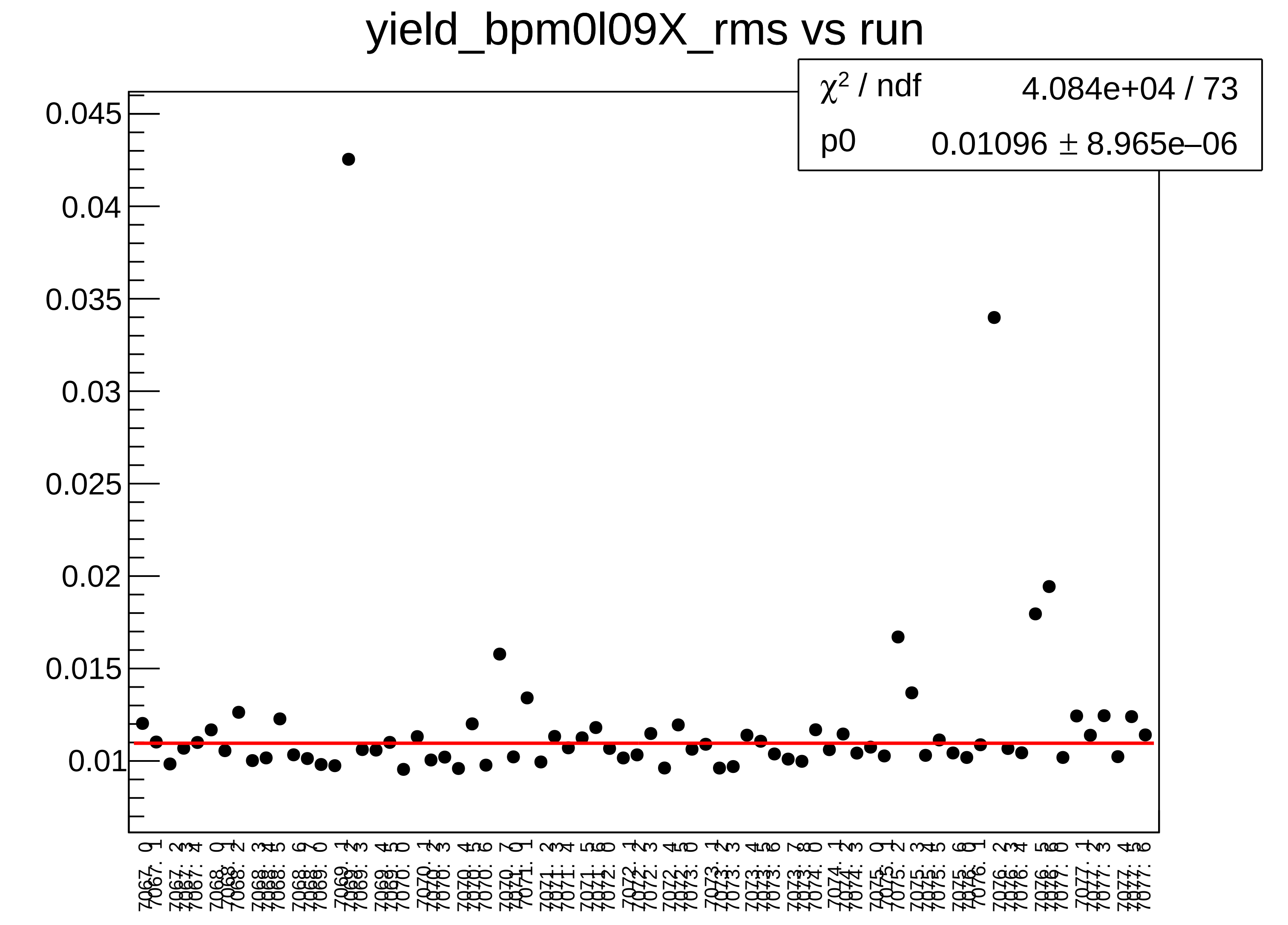
yield_bpm0l08X_rms vs run
χ^2 / ndf 4.355e+04 / 73
p0 0.01128 ± 9.234e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

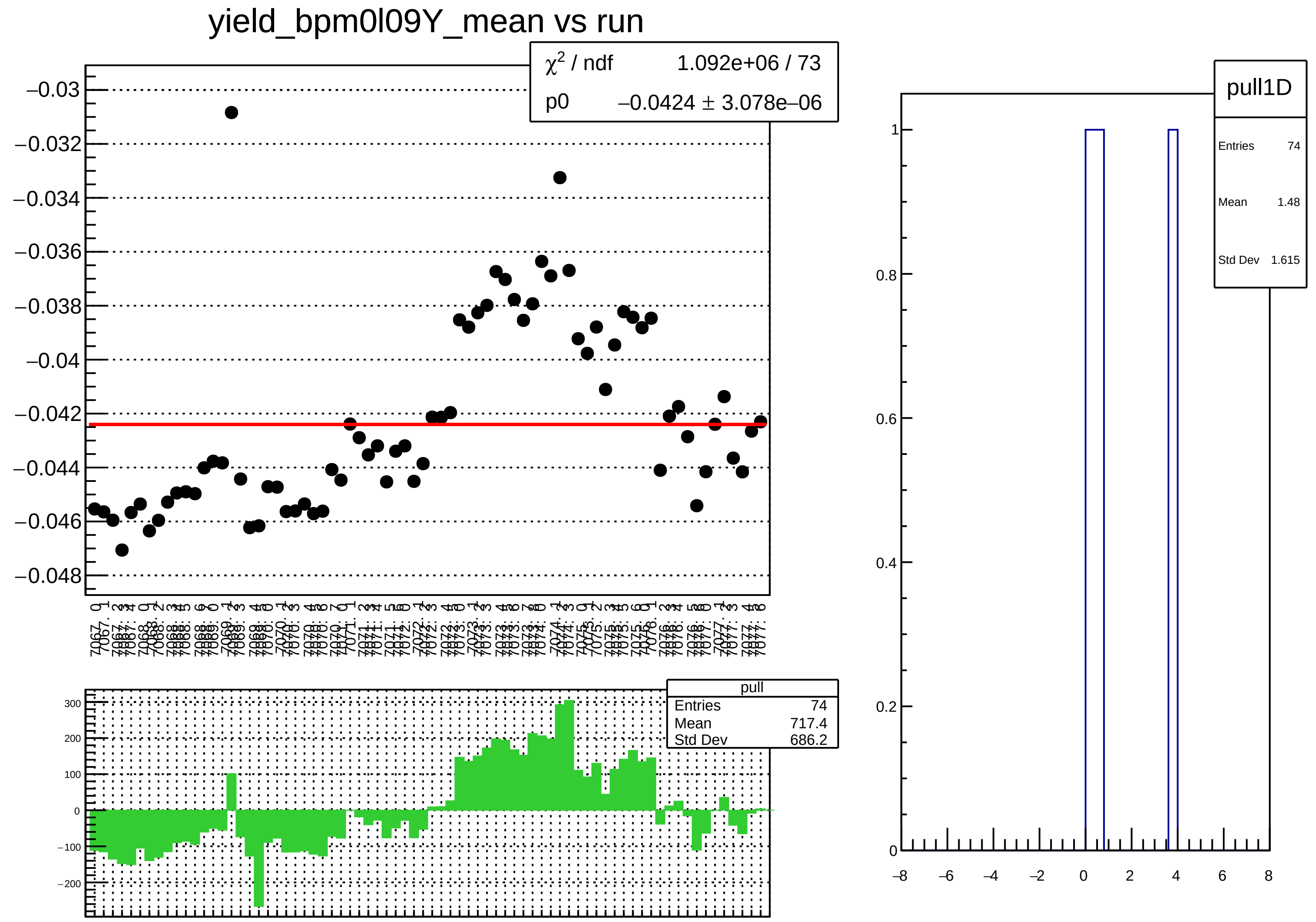

yield_bpm0l08Y_mean vs run
χ^2 / ndf 5.353e+05 / 73
p0 −0.3019 ± 2.993e−06
−0.292
−0.294
−0.296
−0.298
−0.3
−0.302
−0.304
−0.306
pull
Entries 74
Mean 368.9
Std Dev 401
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 74
Mean −2.536
Std Dev 3.157
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0l08Y_rms vs run
χ^2 / ndf 1.349e+04 / 73
p0 0.002611 ± 2.116e−06
0.007
0.006
0.005
0.004
0.003
0.002

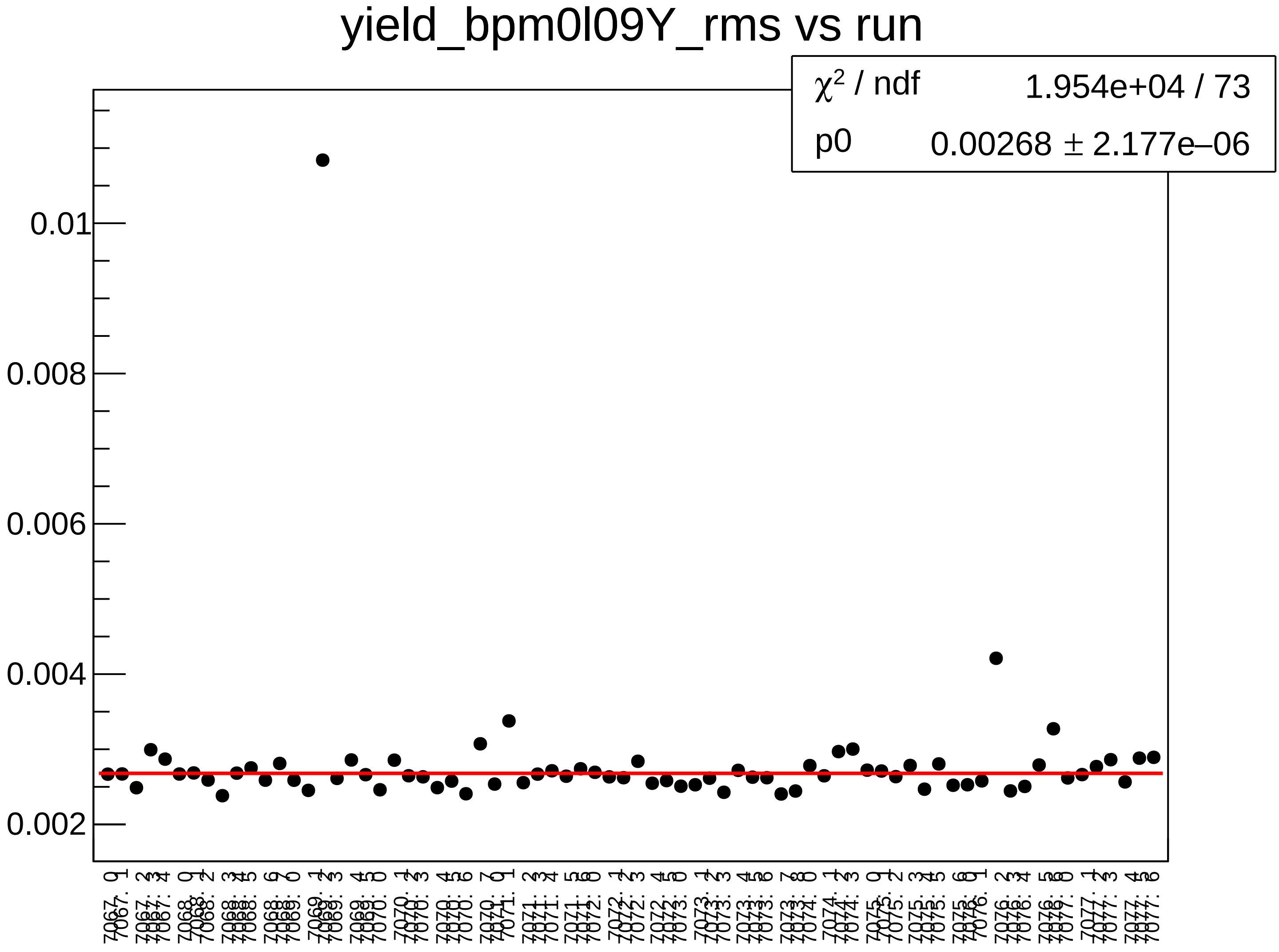


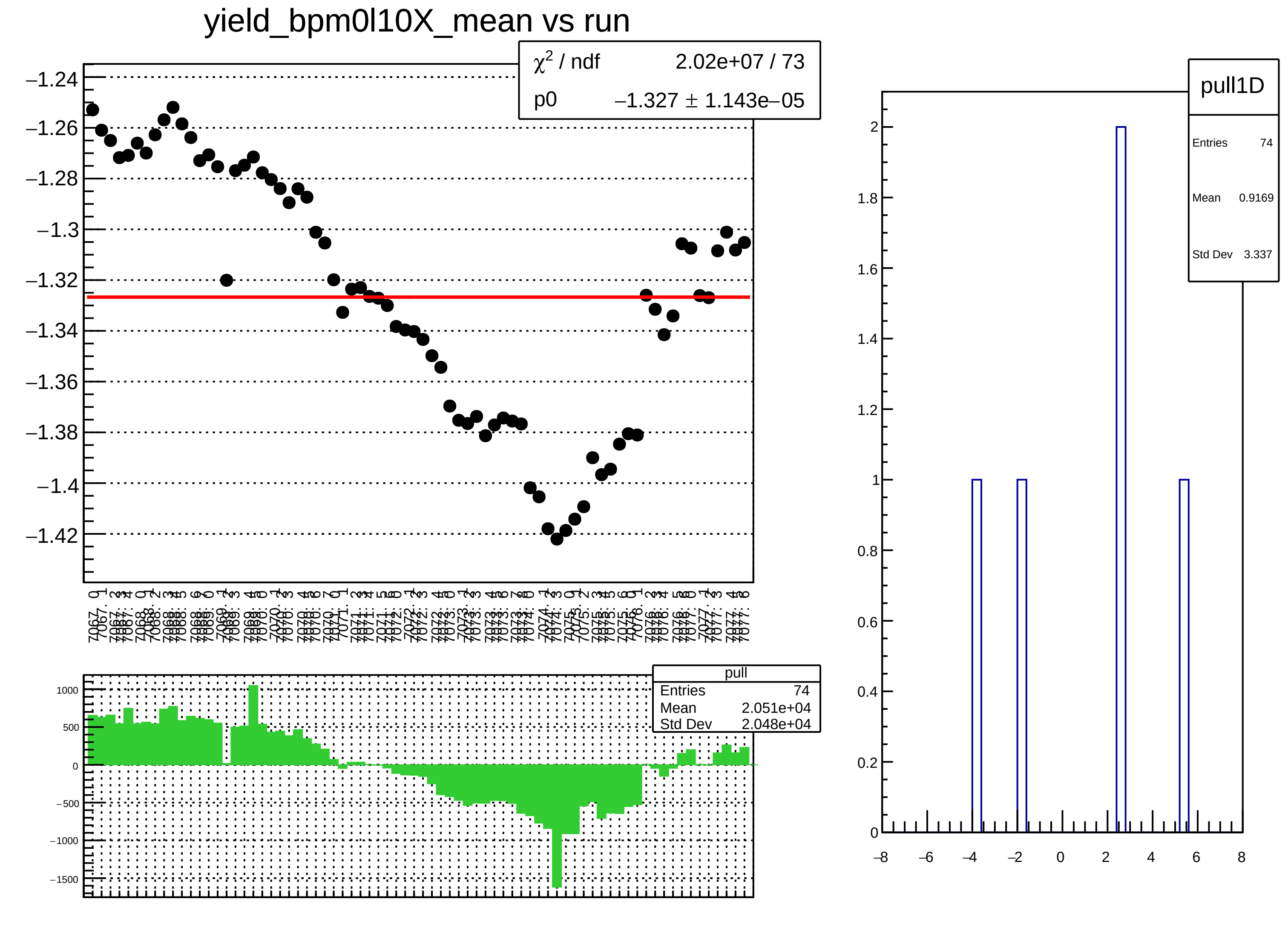
yield_bpm0l09X_mean vs run
χ^2 / ndf 2.318e+07 / 73
p0 0.291± 1.268e−05
pull
Entries 74
Mean −1.062e+04
Std Dev 1.065e+04
pull1D
Entries 74
Mean −3.447
Std Dev 2.826


yield_bpm0l09X_rms vs run
χ^2 / ndf 4.084e+04 / 73
p0 0.01096 ± 8.965e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01



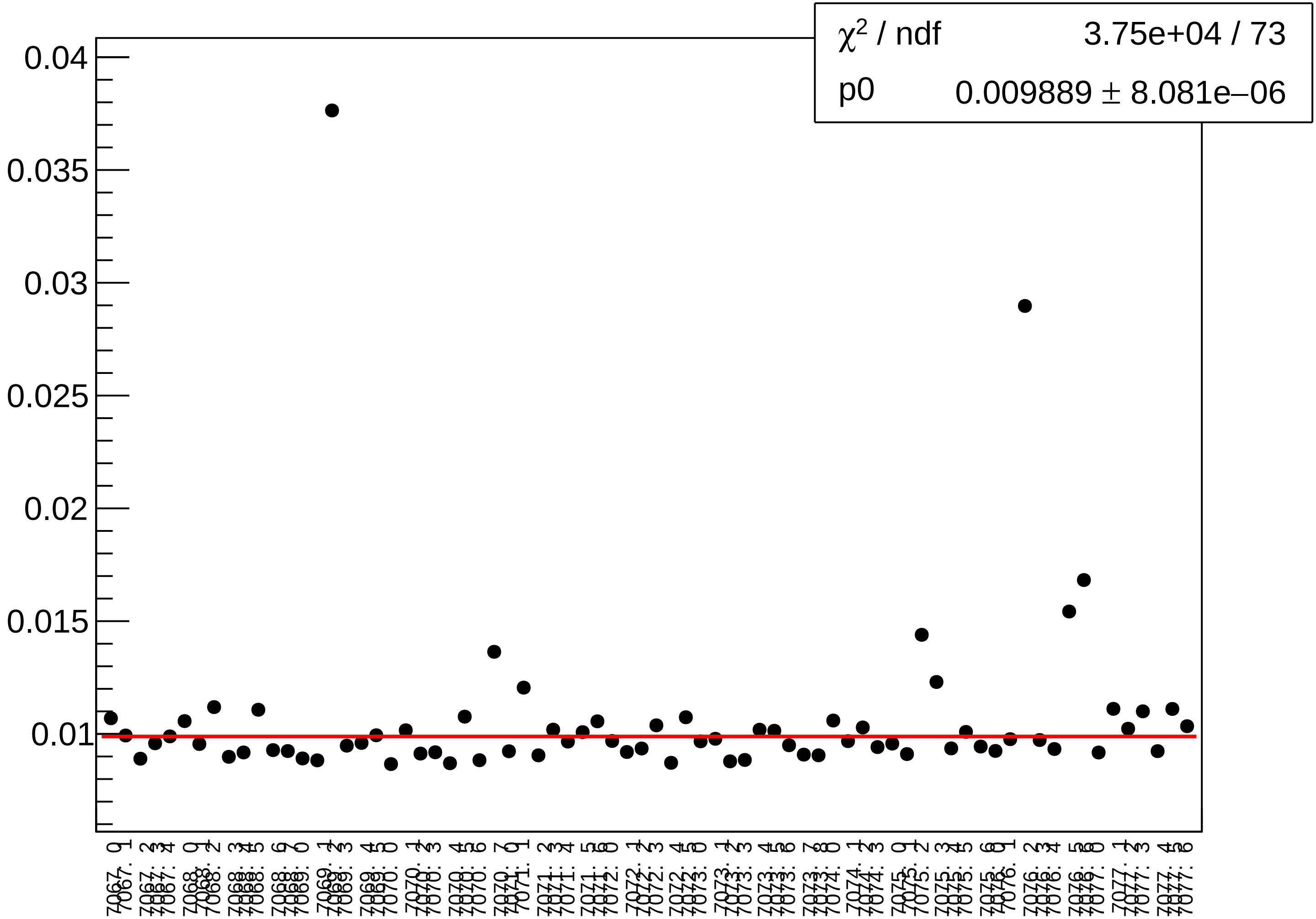
yield_bpm0l09Y_mean vs run
χ^2 / ndf 1.092e+06 / 73
p0 −0.0424 ± 3.078e−06
−0.03
−0.032
−0.034
−0.036
−0.038
−0.04
−0.042
−0.044
−0.046
−0.048
pull
Entries 74
Mean 717.4
Std Dev 686.2
300
200
100
0
−100
−200
pull1D
Entries 74
Mean 1.48
Std Dev 1.615

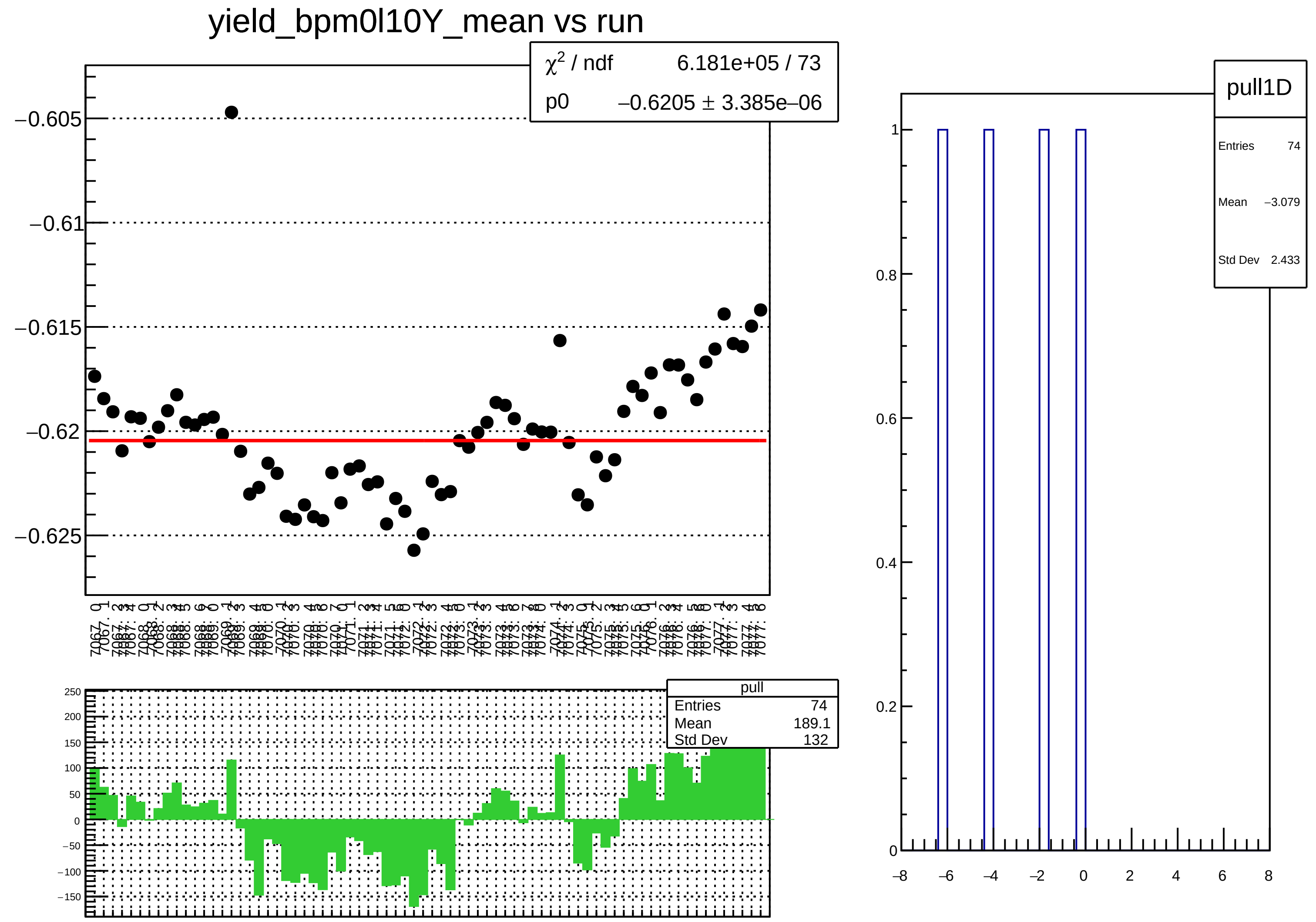

yield_bpm0l09Y_rms vs run
χ2 / ndf 1.954e+04 / 73
p0 0.00268 ± 2.177e–06
0.01
0.008
0.006
0.004
0.002



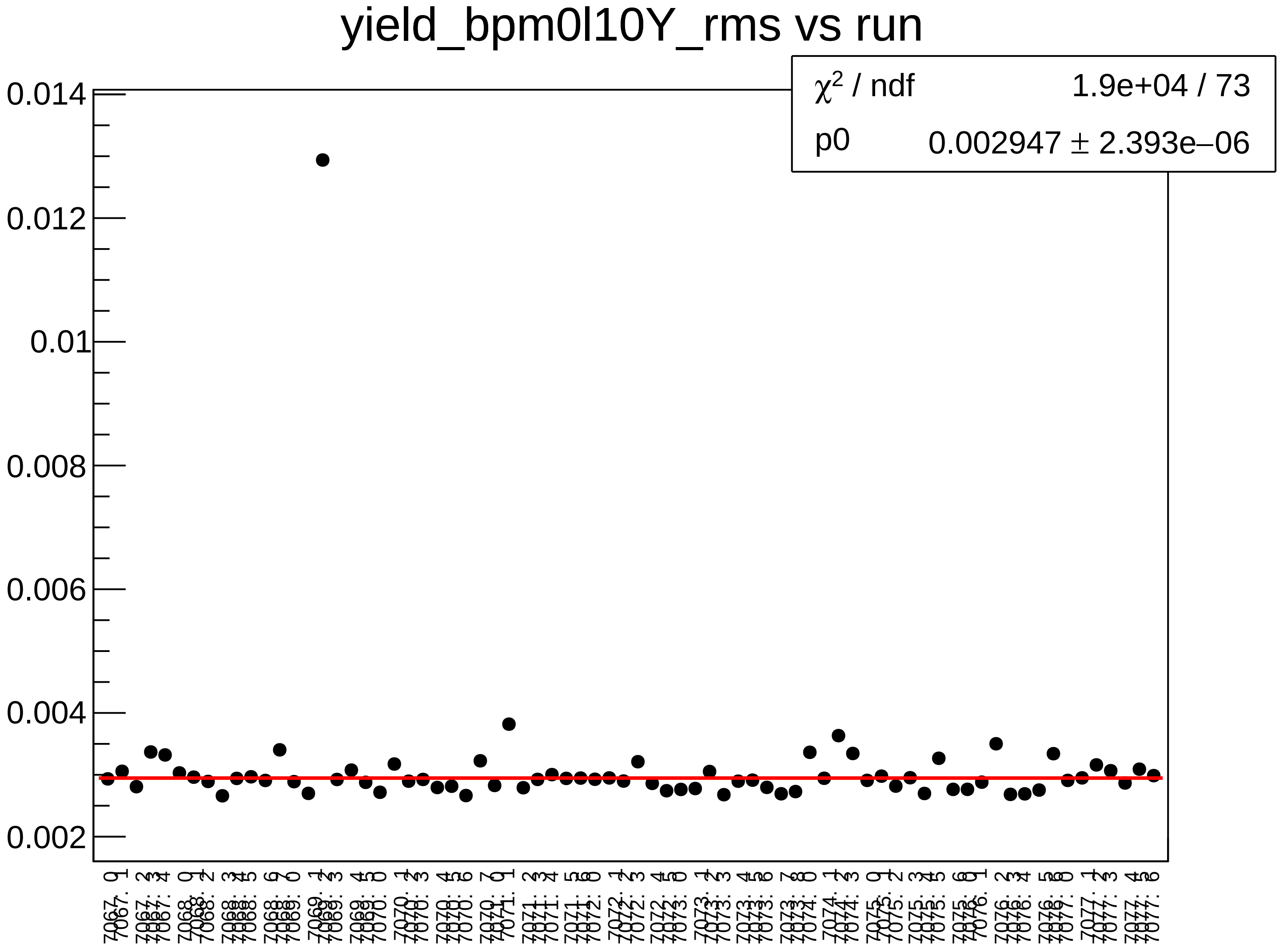
yield_bpm0l10X_mean vs run
χ^2 / ndf 2.02e+07 / 73
p0 −1.327 ± 1.143e−05
pull
Entries 74
Mean 2.051e+04
Std Dev 2.048e+04
pull1D
Entries 74
Mean 0.9169
Std Dev 3.337

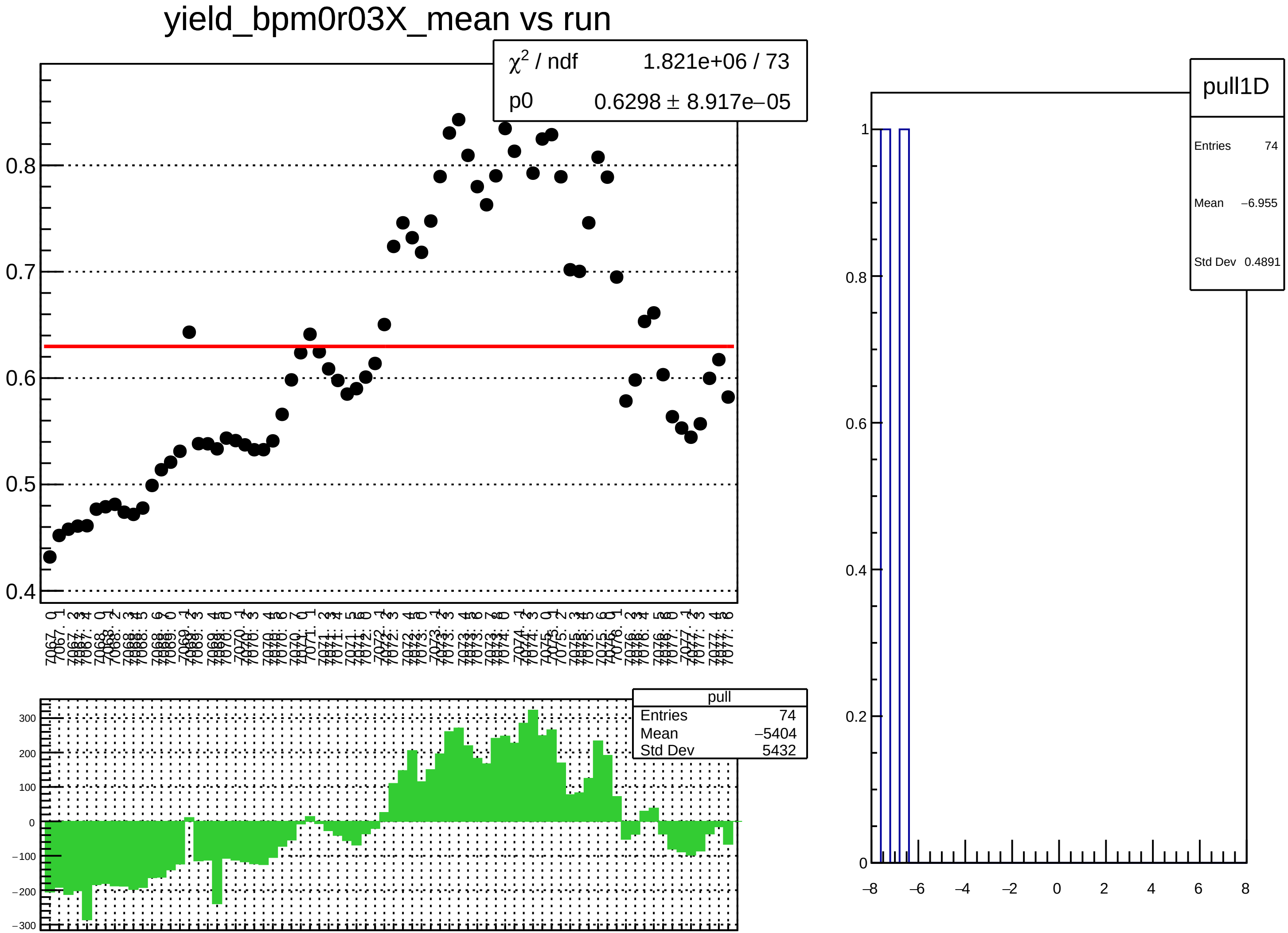
yield_bpm0l10X_rms vs run

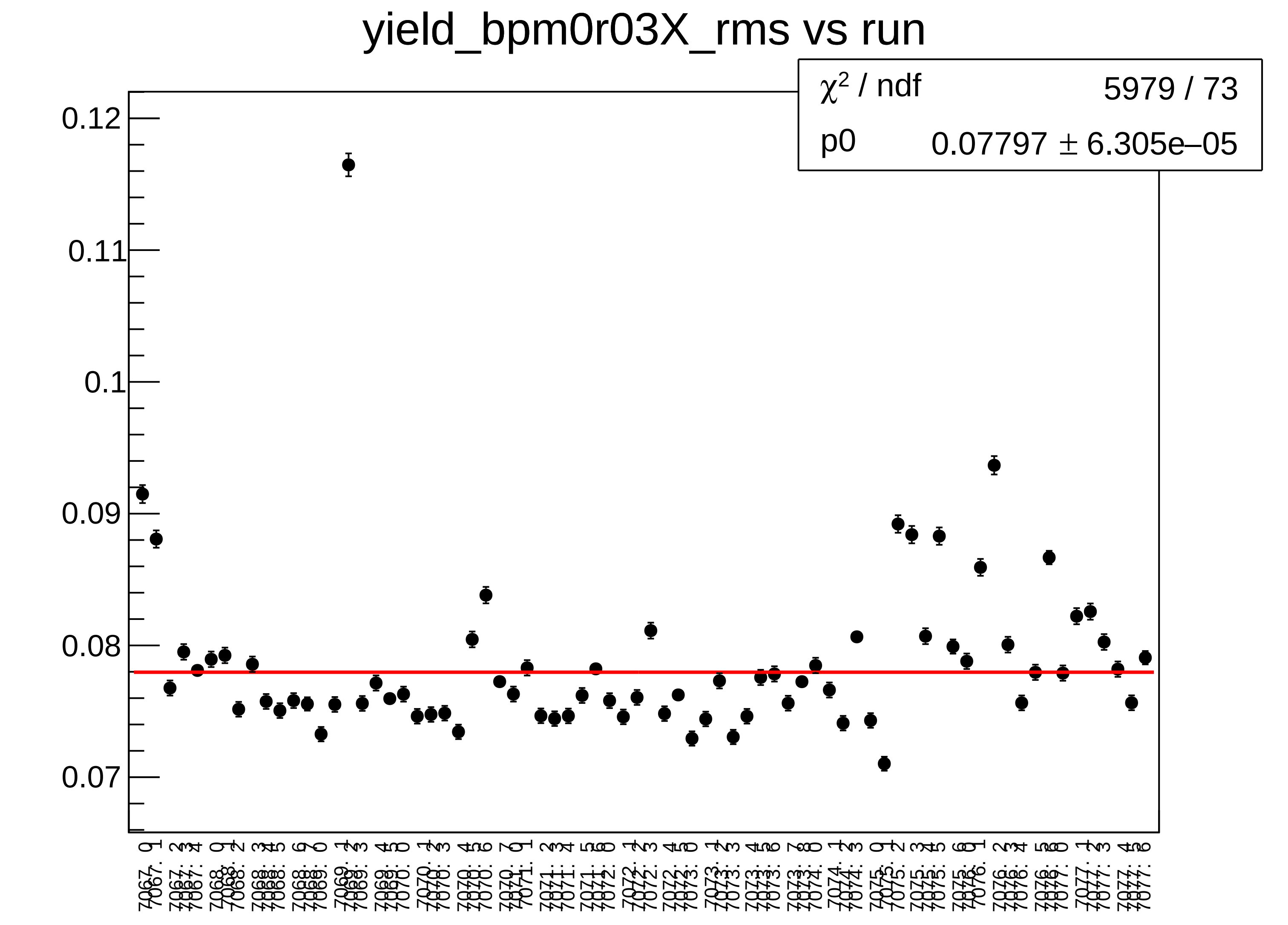


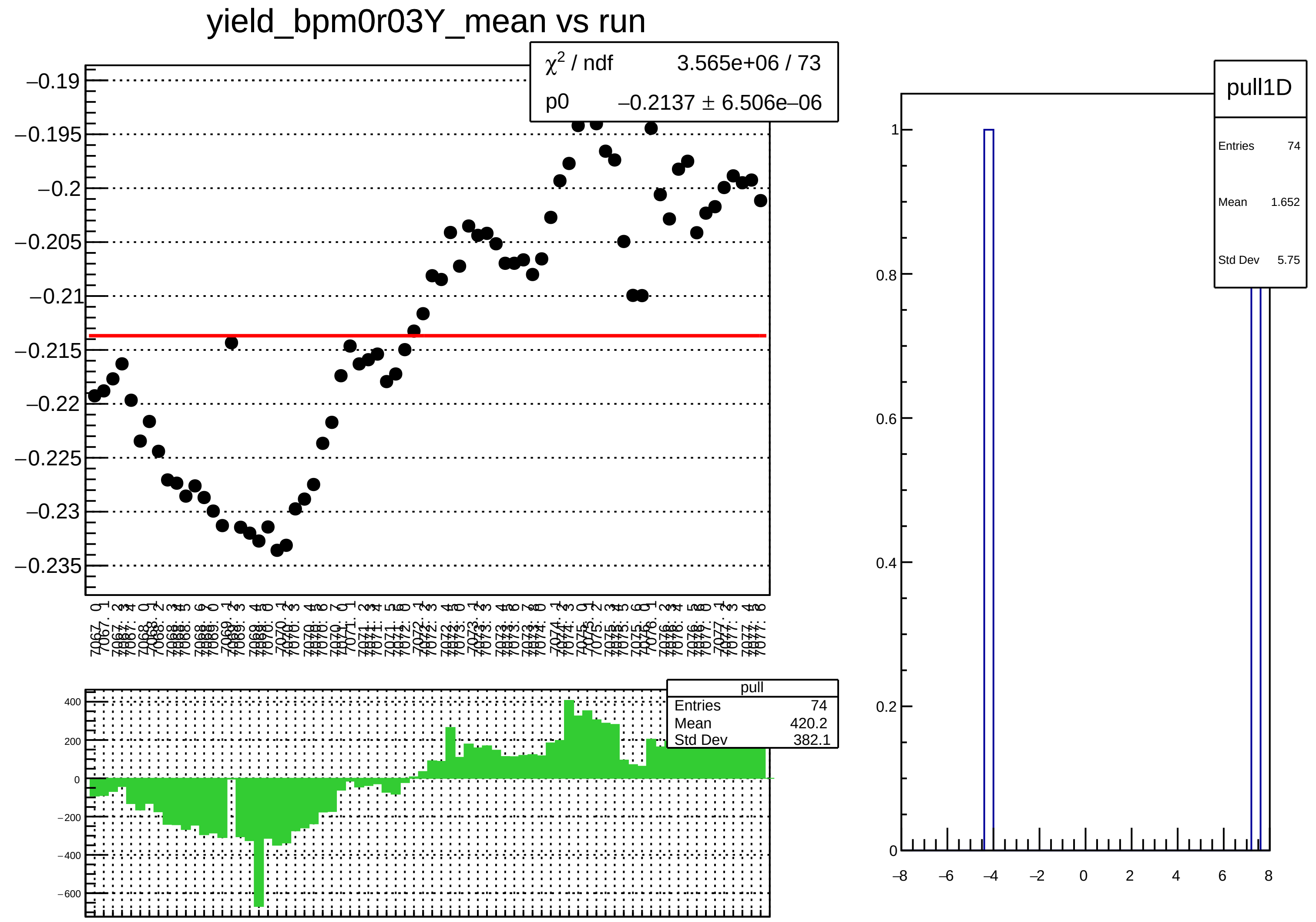


yield_bpm0l10Y_mean vs run
χ^2 / ndf 6.181e+05 / 73
p0 −0.6205 ± 3.385e−06
pull
Entries 74
Mean 189.1
Std Dev 132
pull1D
Entries 74
Mean −3.079
Std Dev 2.433

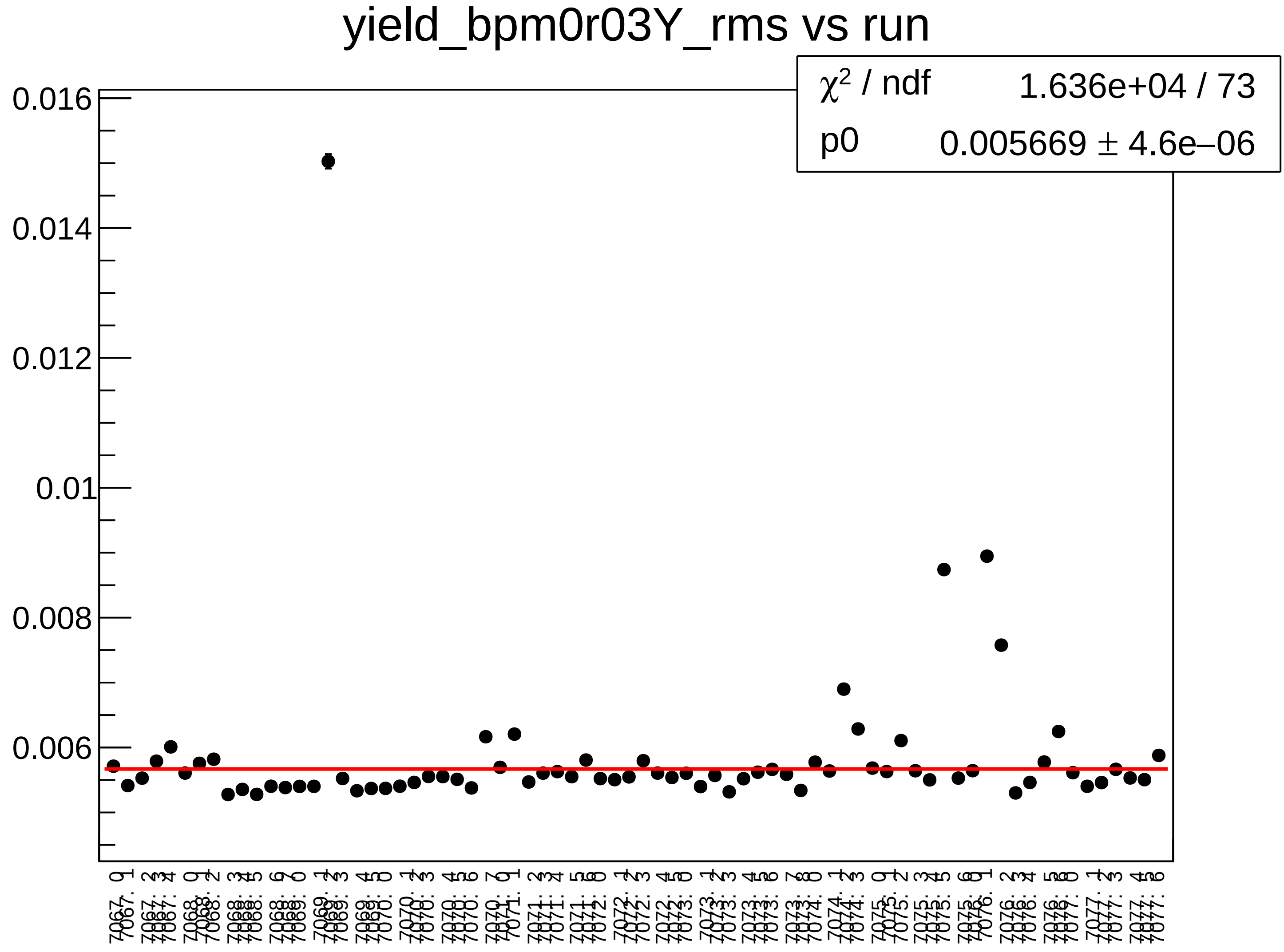

yield_bpm0l10Y_rms vs run
χ^2 / ndf 1.9e+04 / 73
p0 0.002947 ± 2.393e−06
0.014
0.012
0.01
0.008
0.006
0.004
0.002


yield_bpm0r03X_mean vs run
χ^2 / ndf 1.821e+06 / 73
p0 0.6298 ± 8.917e−05
0.8
0.7
0.6
0.5
0.4
pull
Entries 74
Mean −5404
Std Dev 5432
300
200
100
0
−100
−200
−300
pull1D
Entries 74
Mean −6.955
Std Dev 0.4891
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

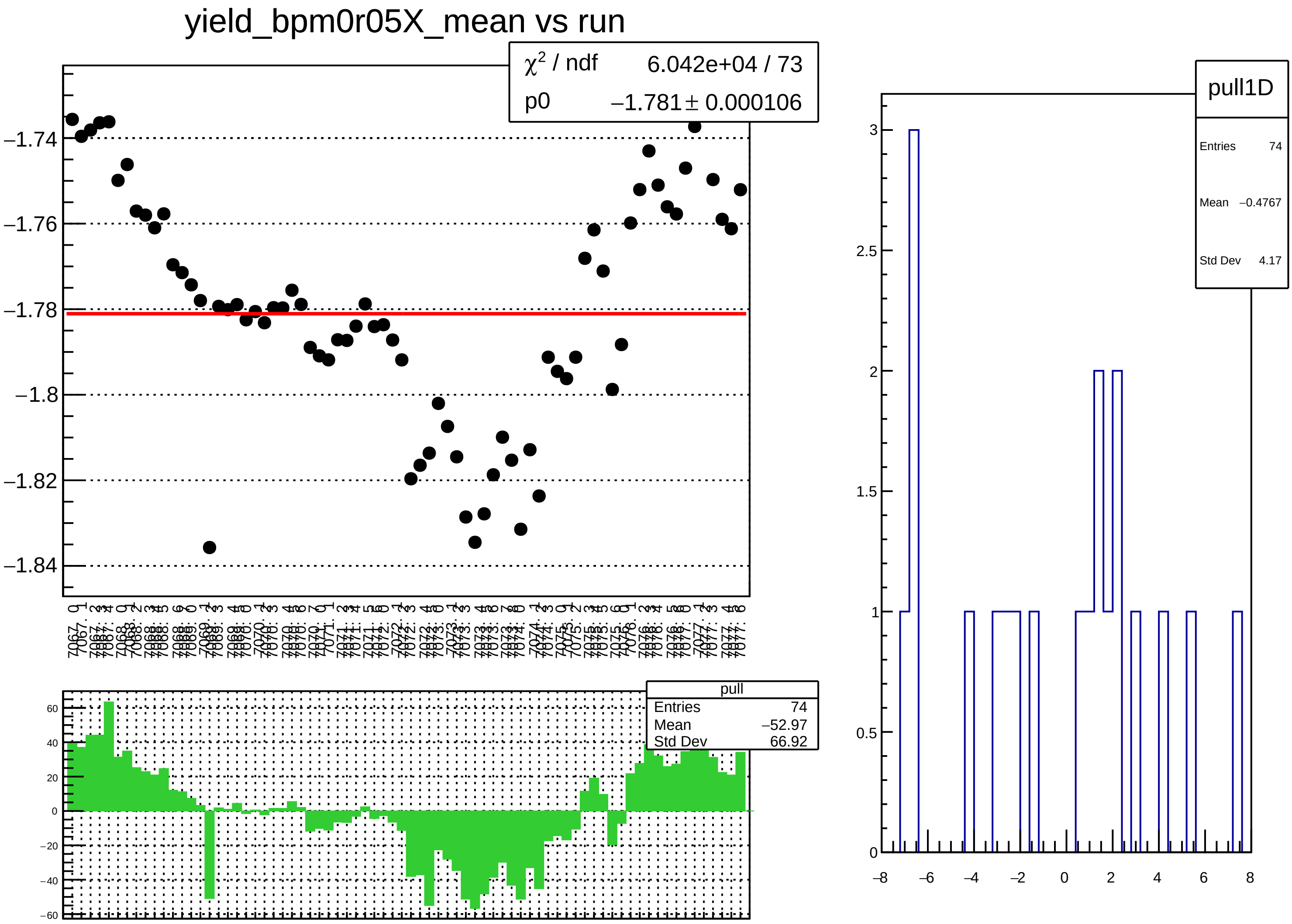

yield_bpm0r03X_rms vs run
χ2 / ndf 5979 / 73
p0 0.07797 ± 6.305e−05
0.12
0.11
0.1
0.09
0.08
0.07

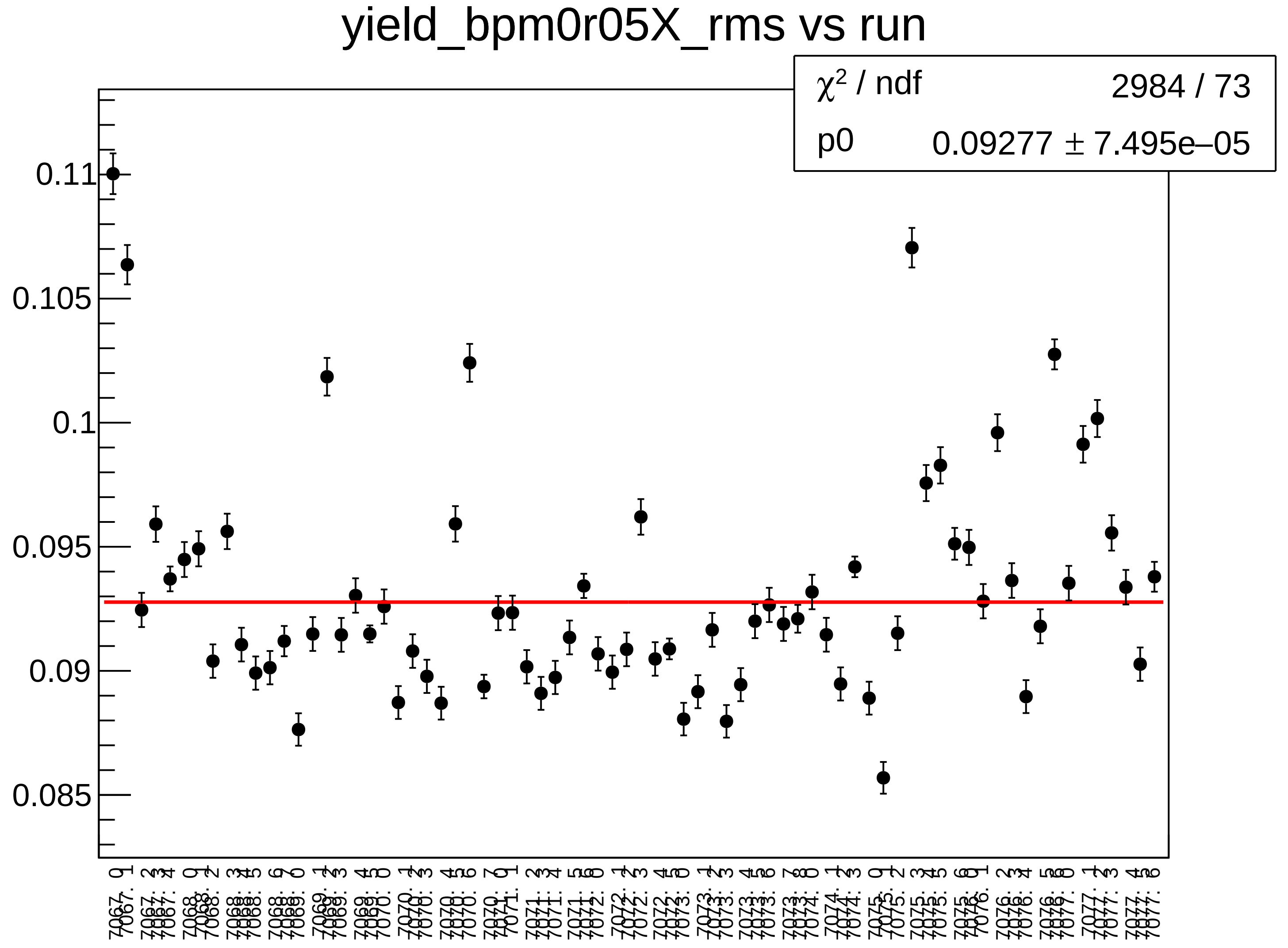


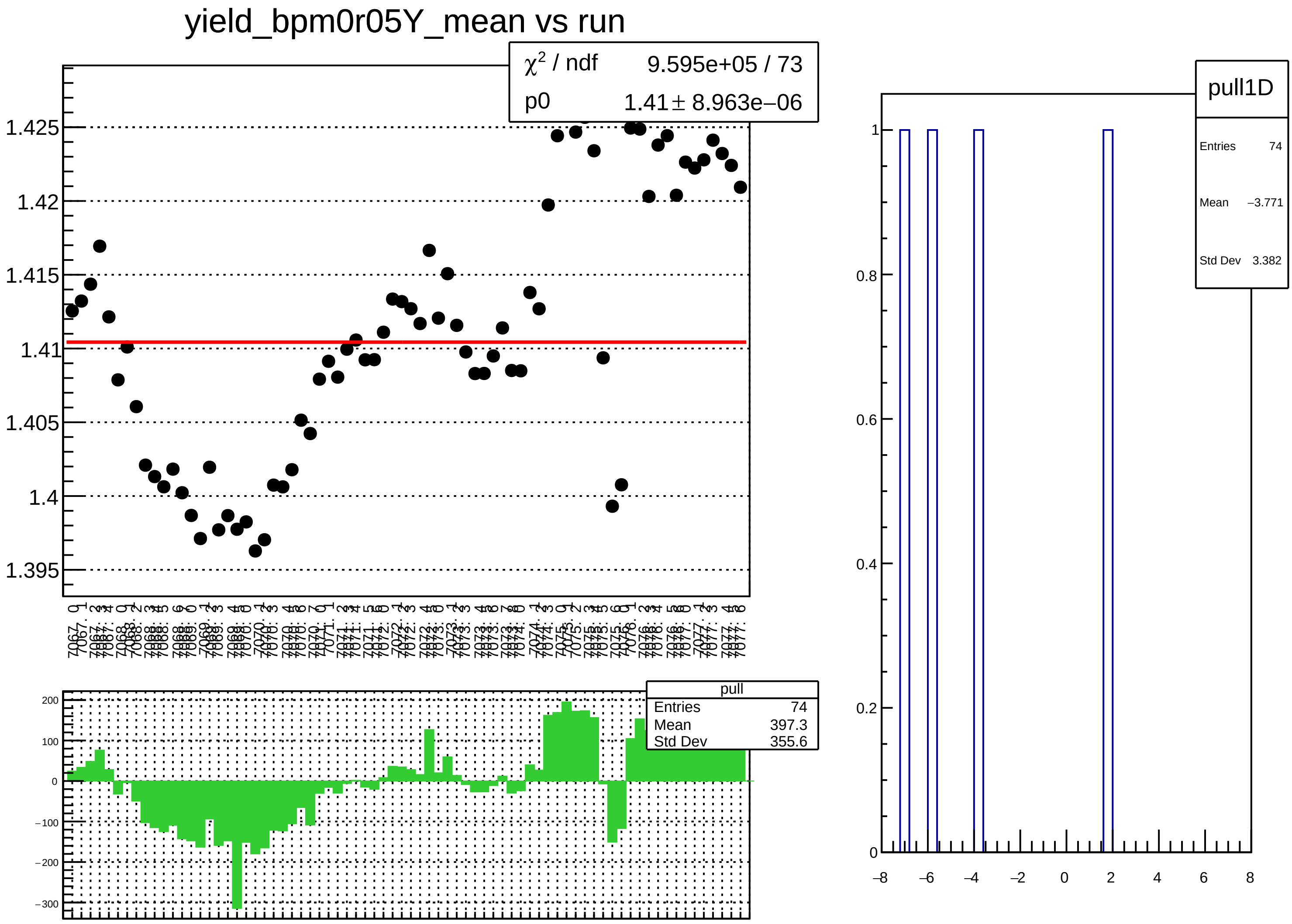
yield_bpm0r03Y_mean vs run
χ^2 / ndf 3.565e+06 / 73
p0 −0.2137 ± 6.506e−06
pull
Entries 74
Mean 420.2
Std Dev 382.1
pull1D
Entries 74
Mean 1.652
Std Dev 5.75

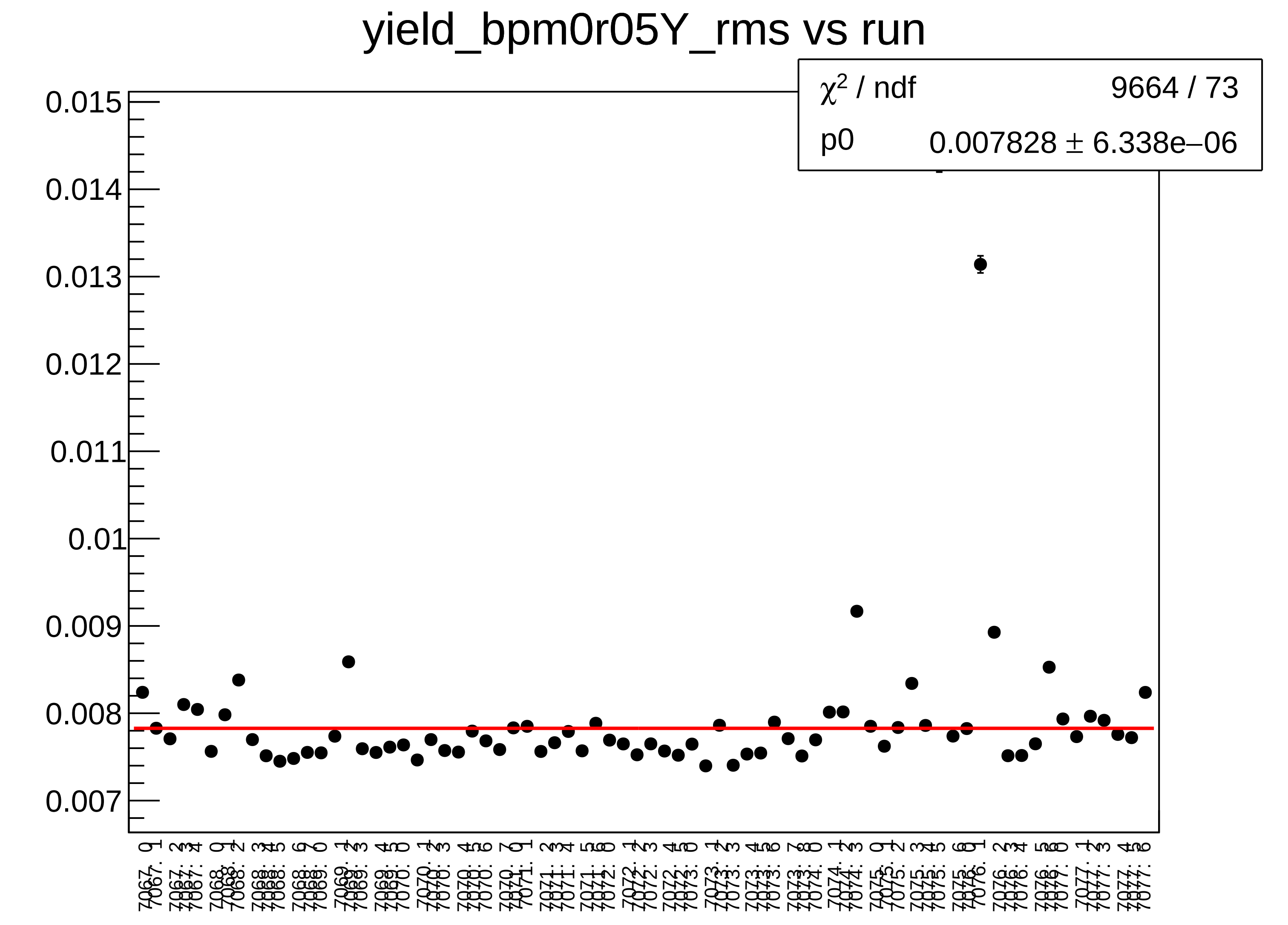


yield_bpm0r03Y_rms vs run
χ^2 / ndf 1.636e+04 / 73
p0 0.005669 ± 4.6e−06
0.016
0.014
0.012
0.01
0.008
0.006

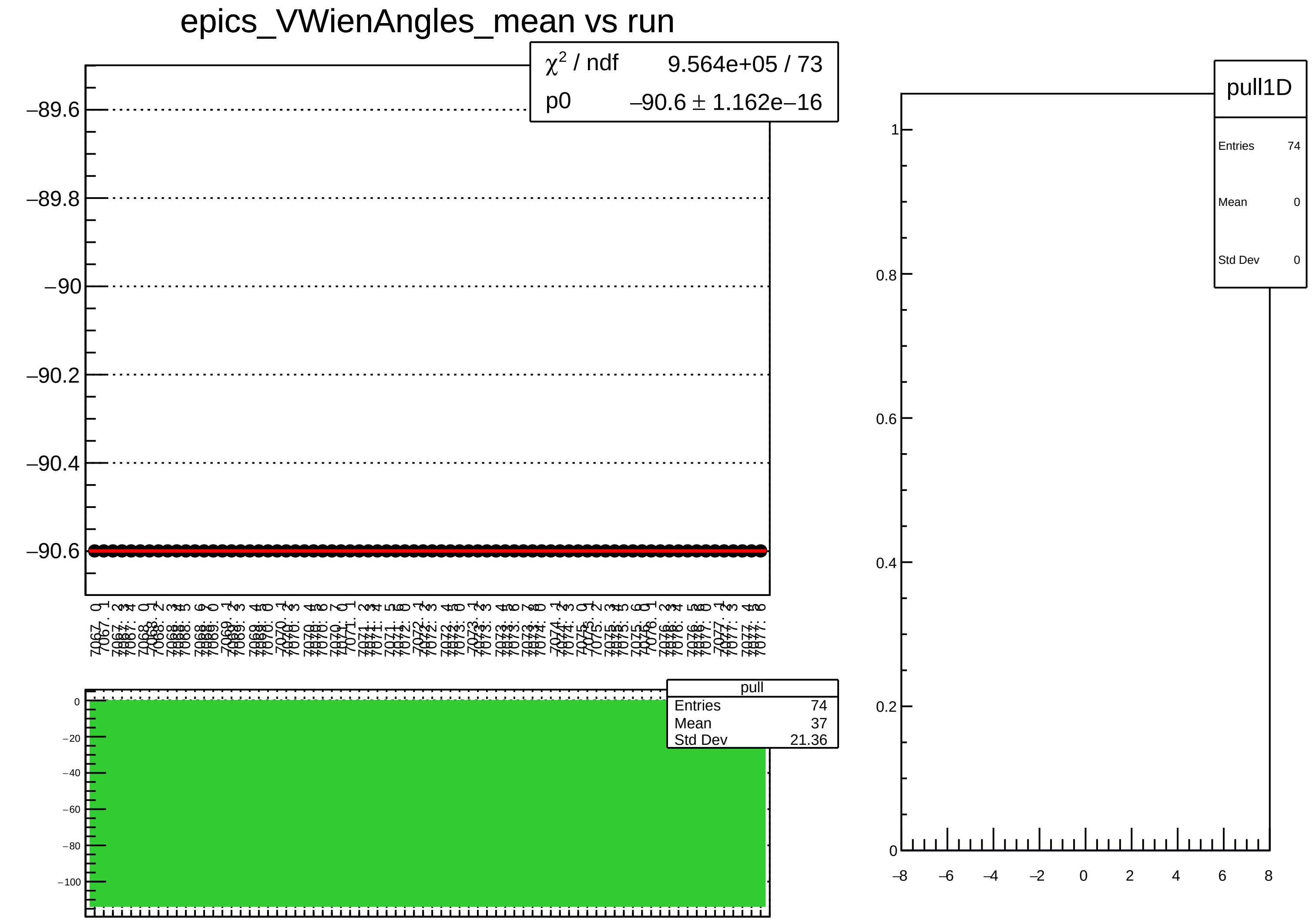

yield_bpm0r05X_mean vs run
χ^2 / ndf 6.042e+04 / 73
p0 −1.781 ± 0.000106
pull
Entries 74
Mean −52.97
Std Dev 66.92
pull1D
Entries 74
Mean −0.4767
Std Dev 4.17

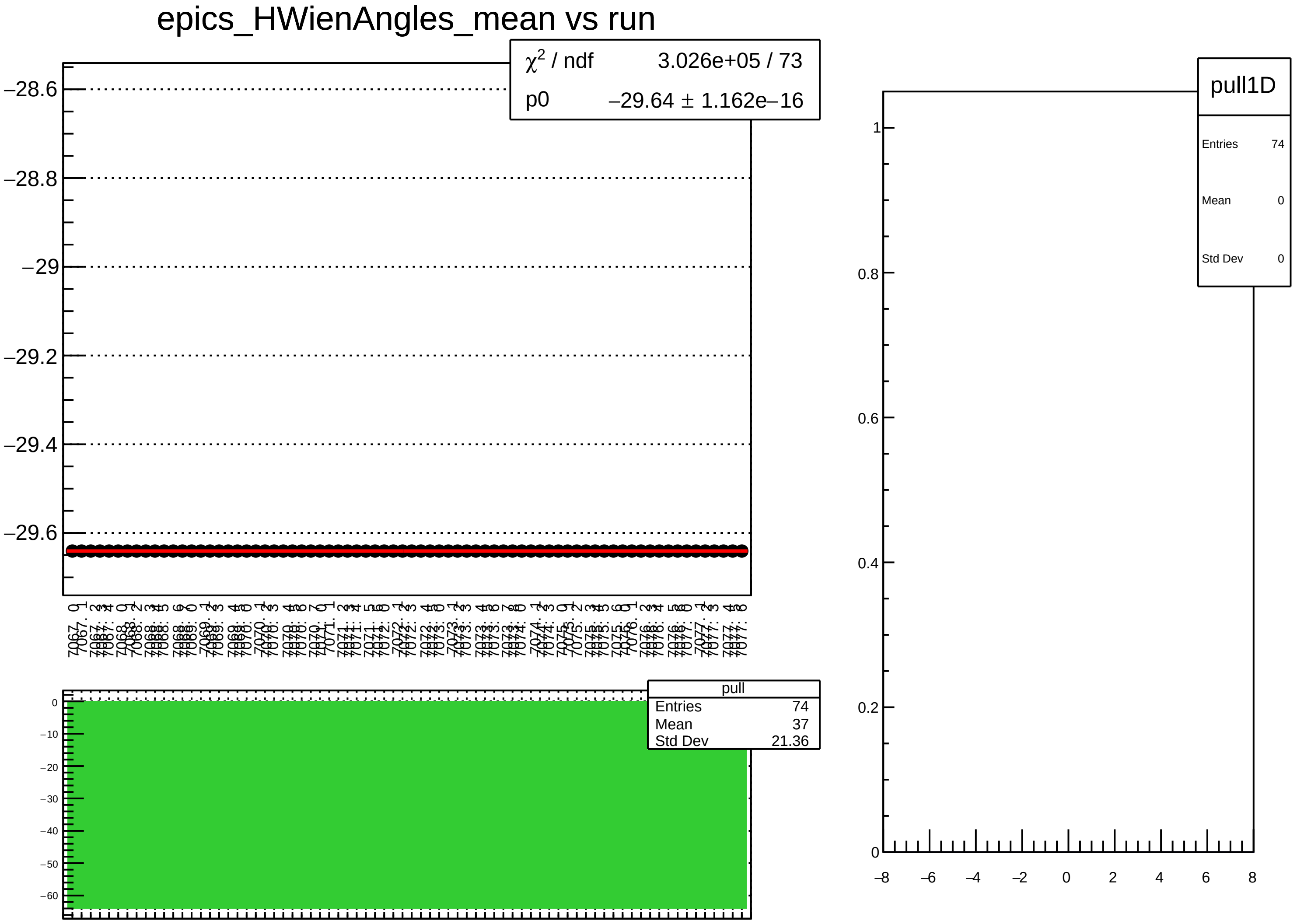

yield_bpm0r05X_rms vs run
χ^2 / ndf 2984 / 73
p0 0.09277 ± 7.495e−05
0.11
0.105
0.1
0.095
0.09
0.085


yield_bpm0r05Y_mean vs run
χ^2 / ndf 9.595e+05 / 73
p0 1.41 ± 8.963e−06
1.425
1.42
1.415
1.41
1.405
1.4
1.395
pull
Entries 74
Mean 397.3
Std Dev 355.6
200
100
0
−100
−200
−300
pull1D
Entries 74
Mean −3.771
Std Dev 3.382
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

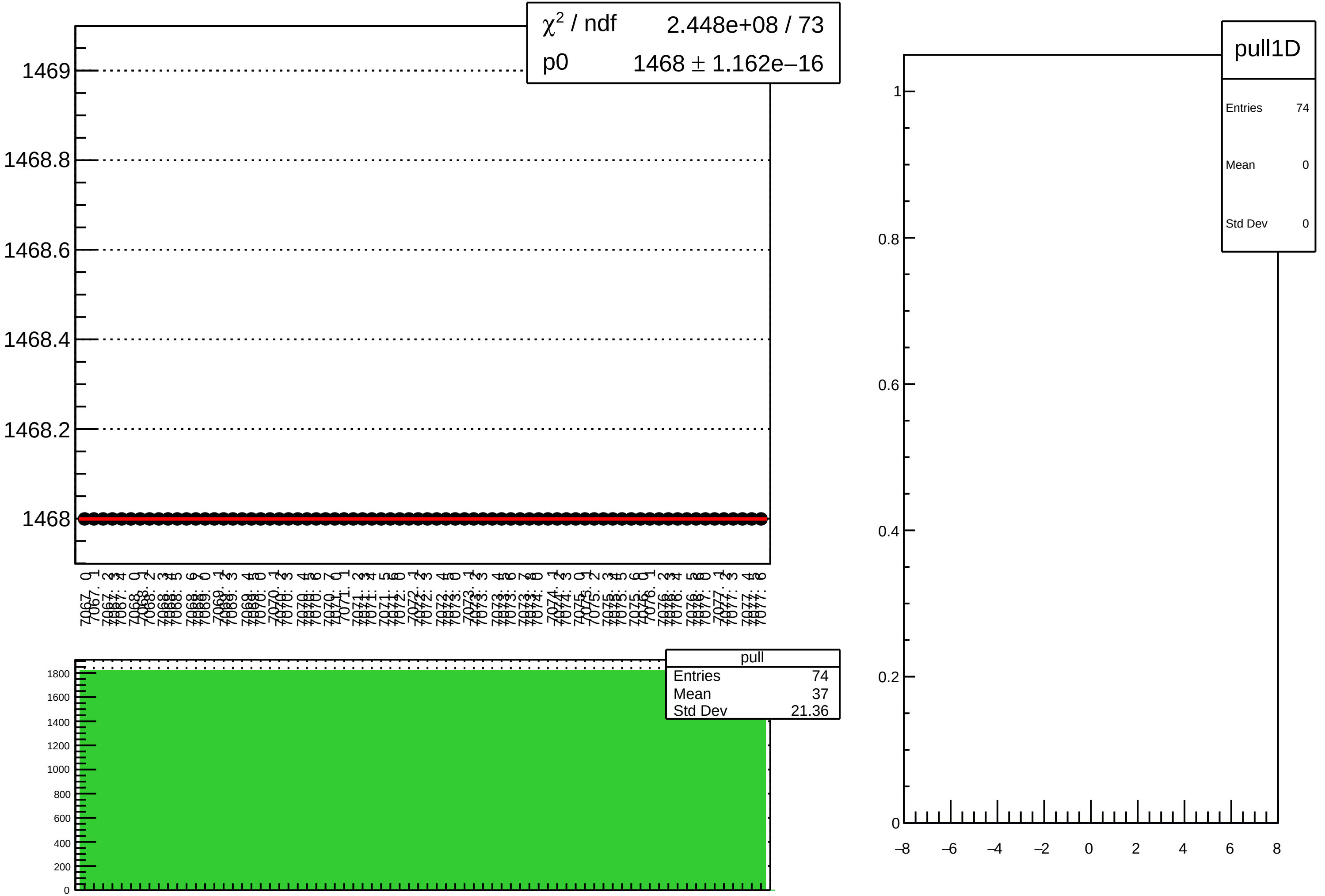


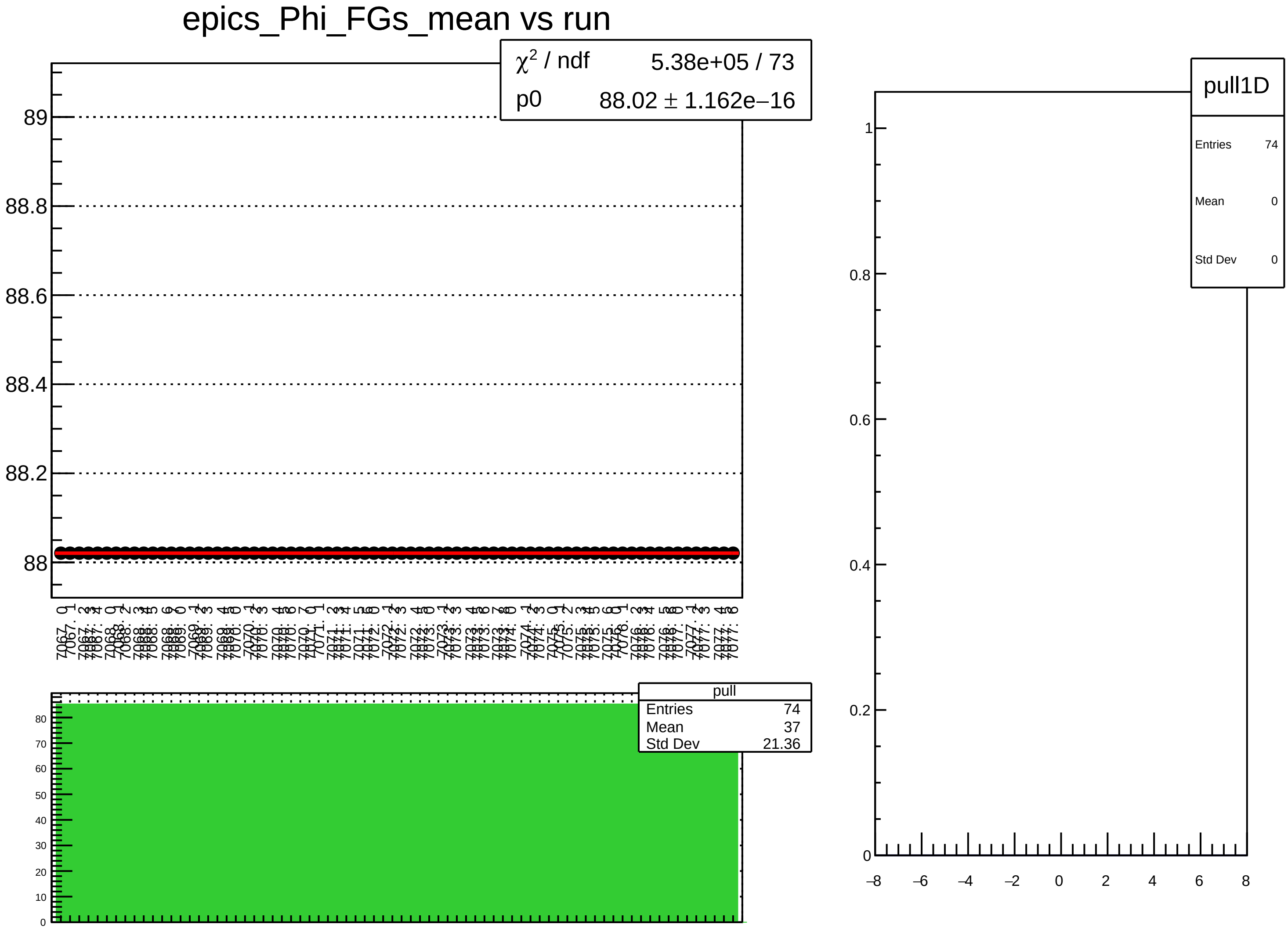
yield_bpm0r05Y_rms vs run
χ^2 / ndf 9664 / 73
p0 0.007828 ± 6.338e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007


epics_VWienAngles_mean vs run
χ2 / ndf 9.564e+05 / 73
p0 −90.6 ± 1.162e−16
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean 0
Std Dev 0

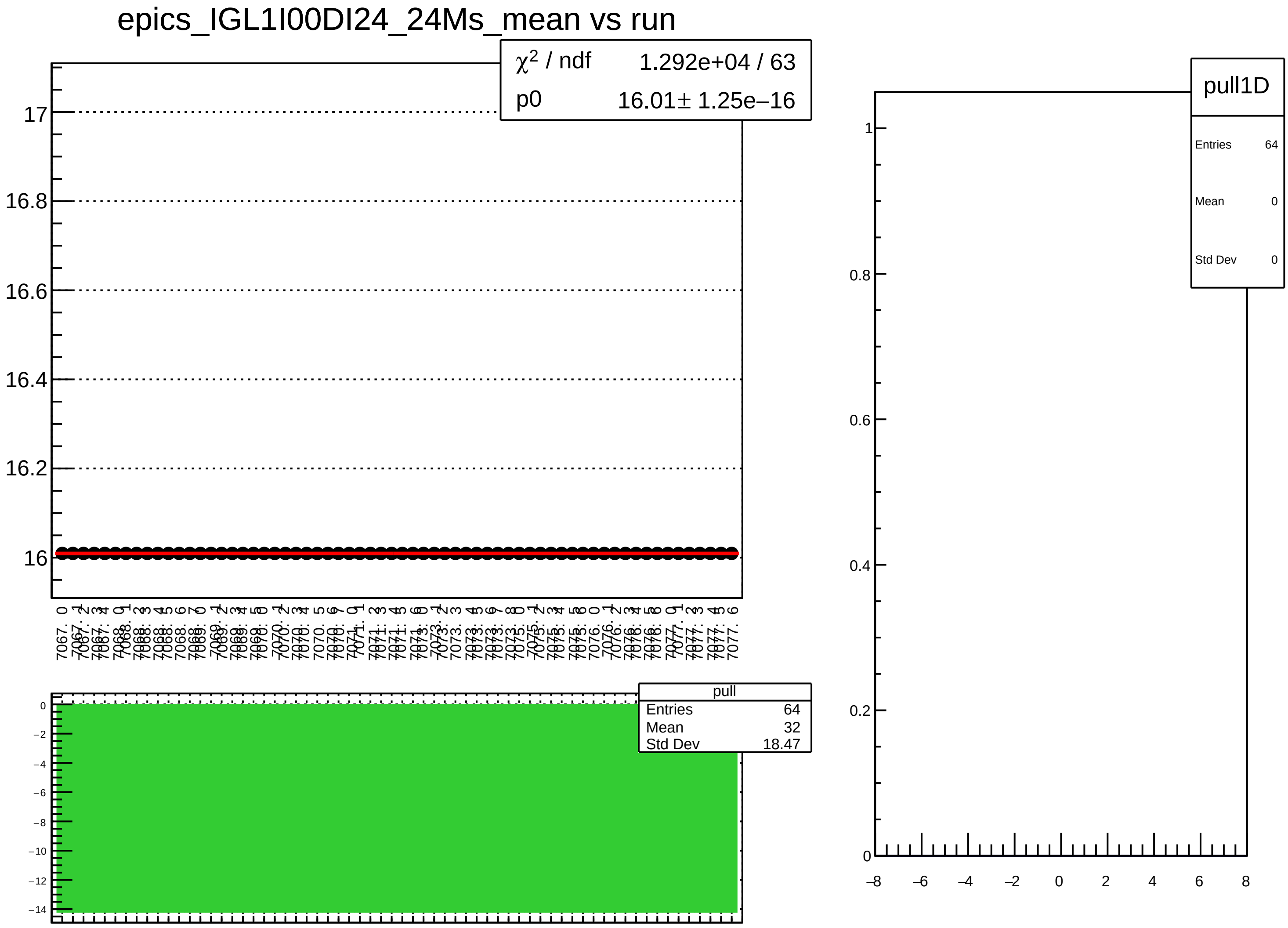

epics_HWienAngles_mean vs run
χ^2 / ndf 3.026e+05 / 73
p0 −29.64 ± 1.162e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 74
Mean 37
Std Dev 21.36
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8

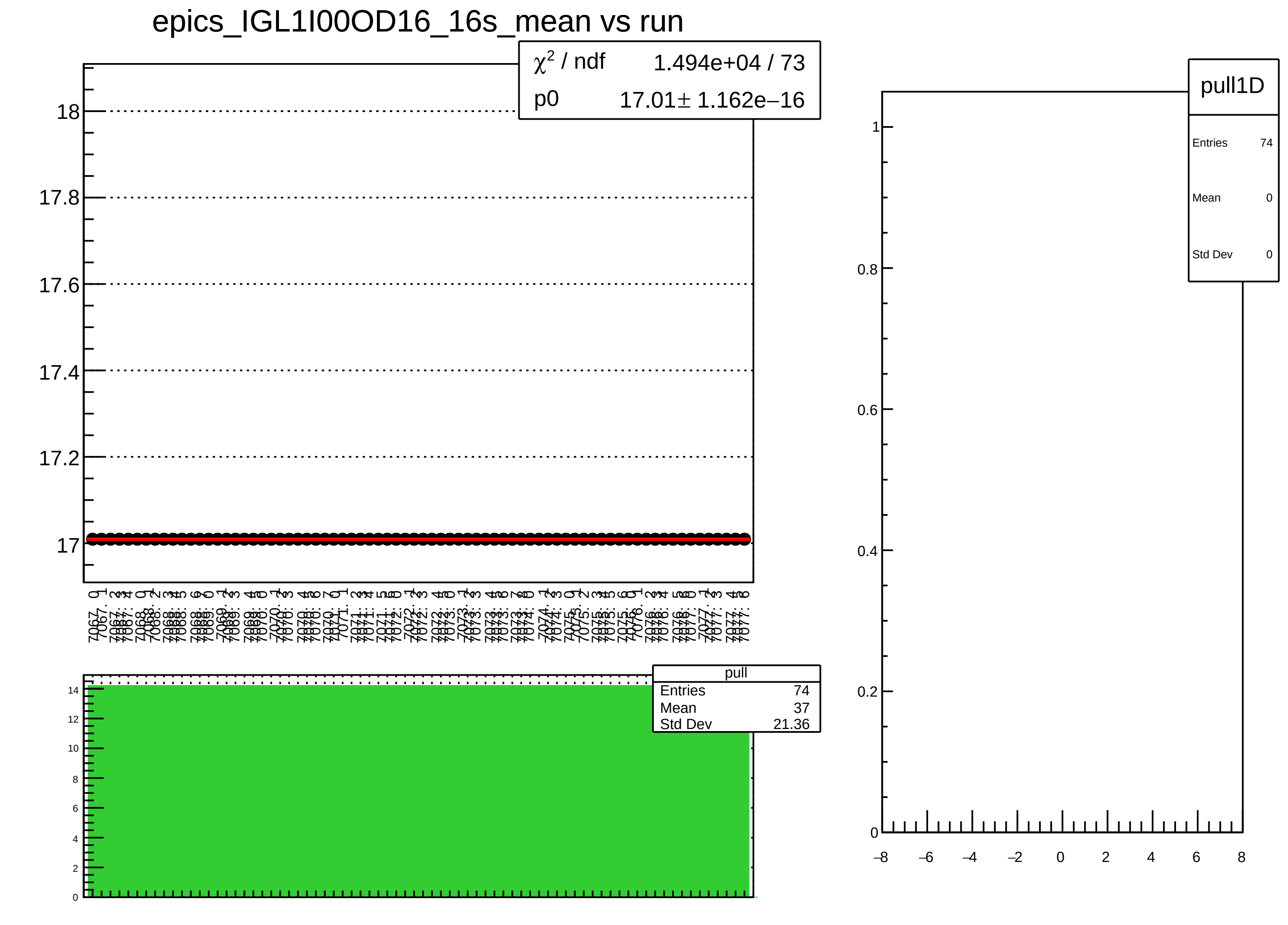
epics_psub_pl_poss_mean vs run



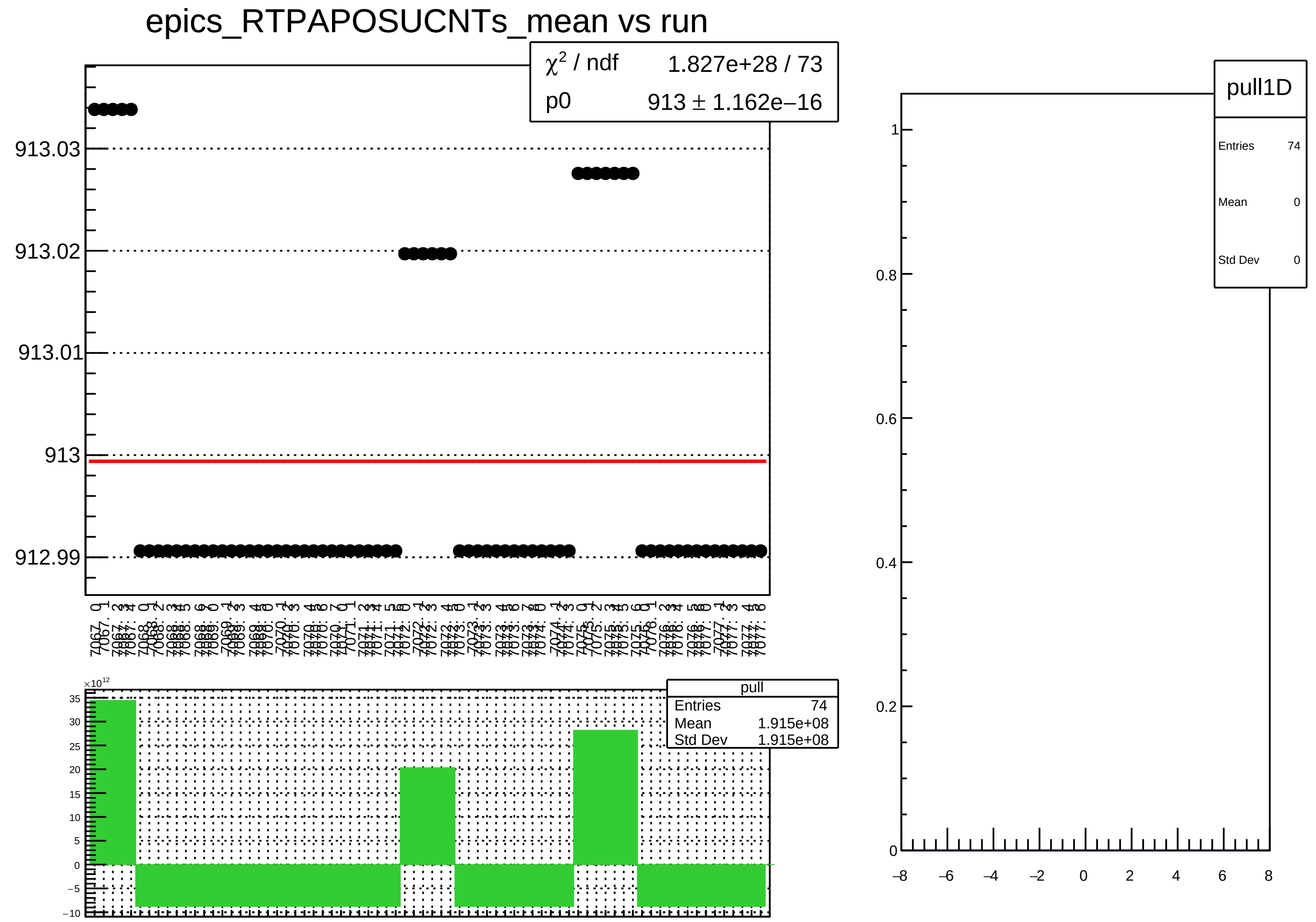


epics_Phi_FGs_mean vs run
χ^2 / ndf 5.38e+05 / 73
p0 88.02 ± 1.162e−16
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean 0
Std Dev 0

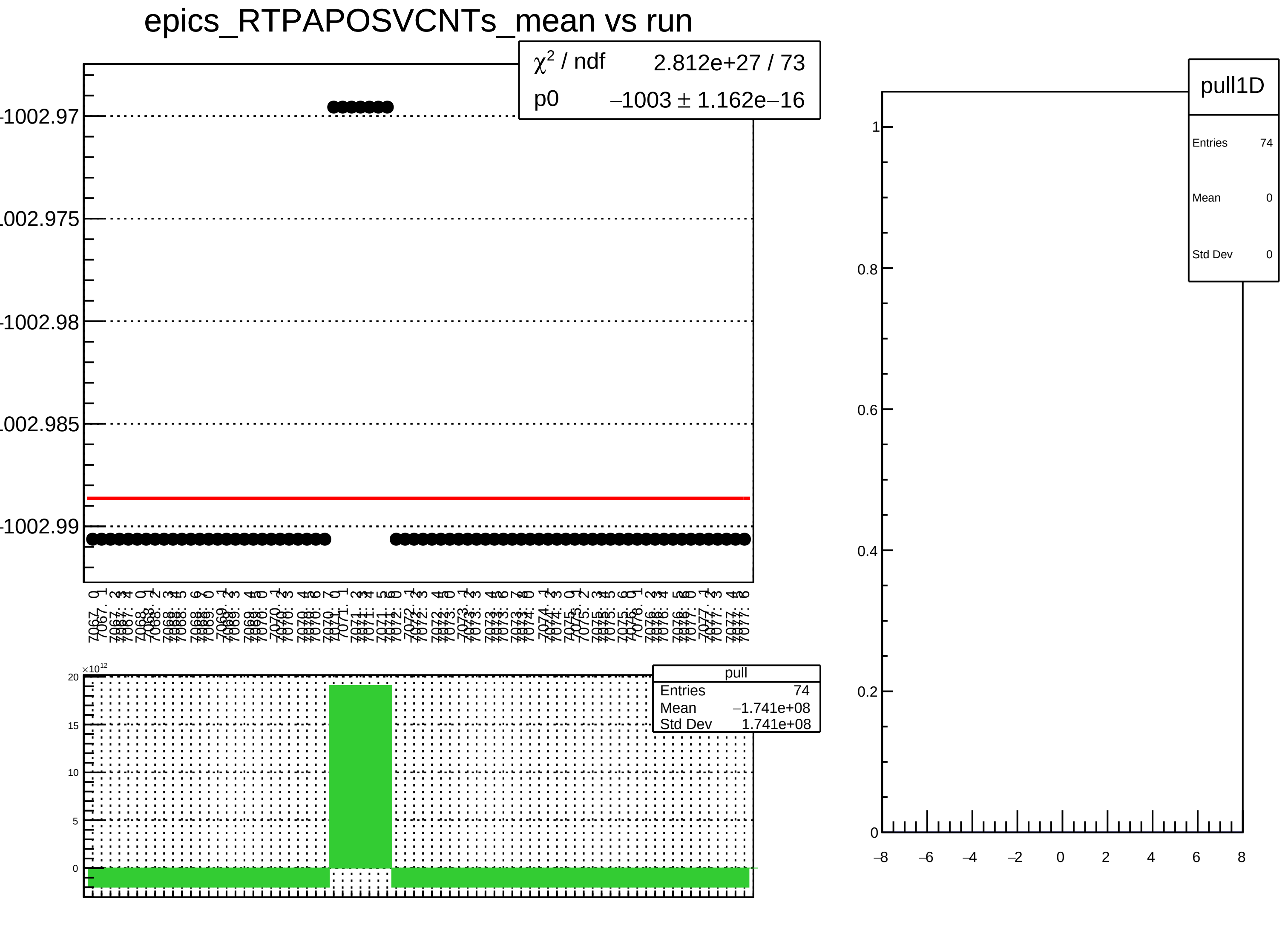

epics_IGL1I00DI24_24Ms_mean vs run
χ2 / ndf 1.292e+04 / 63
p0 16.01± 1.25e−16
pull1D
Entries 64
Mean 0
Std Dev 0
pull
Entries 64
Mean 32
Std Dev 18.47



epics_IGL1I00OD16_16s_mean vs run
χ^2 / ndf 1.494e+04 / 73
p0 17.01± 1.162e−16
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean 0
Std Dev 0



epics_RTPAPOSUCNTs_mean vs run
χ² / ndf 1.827e+28 / 73
p0 913 ± 1.162e−16
913.03
913.02
913.01
913
912.99
pull
Entries 74
Mean 1.915e+08
Std Dev 1.915e+08
×10¹²
pull1D
Entries 74
Mean 0
Std Dev 0



epics_RTPAPOSVCNTs_mean vs run
χ2 / ndf 2.812e+27 / 73
p0 −1003 ± 1.162e−16
-1002.97
-1002.975
-1002.98
-1002.985
-1002.99
pull
Entries 74
Mean −1.741e+08
Std Dev 1.741e+08
×10^12
pull1D
Entries 74
Mean 0
Std Dev 0