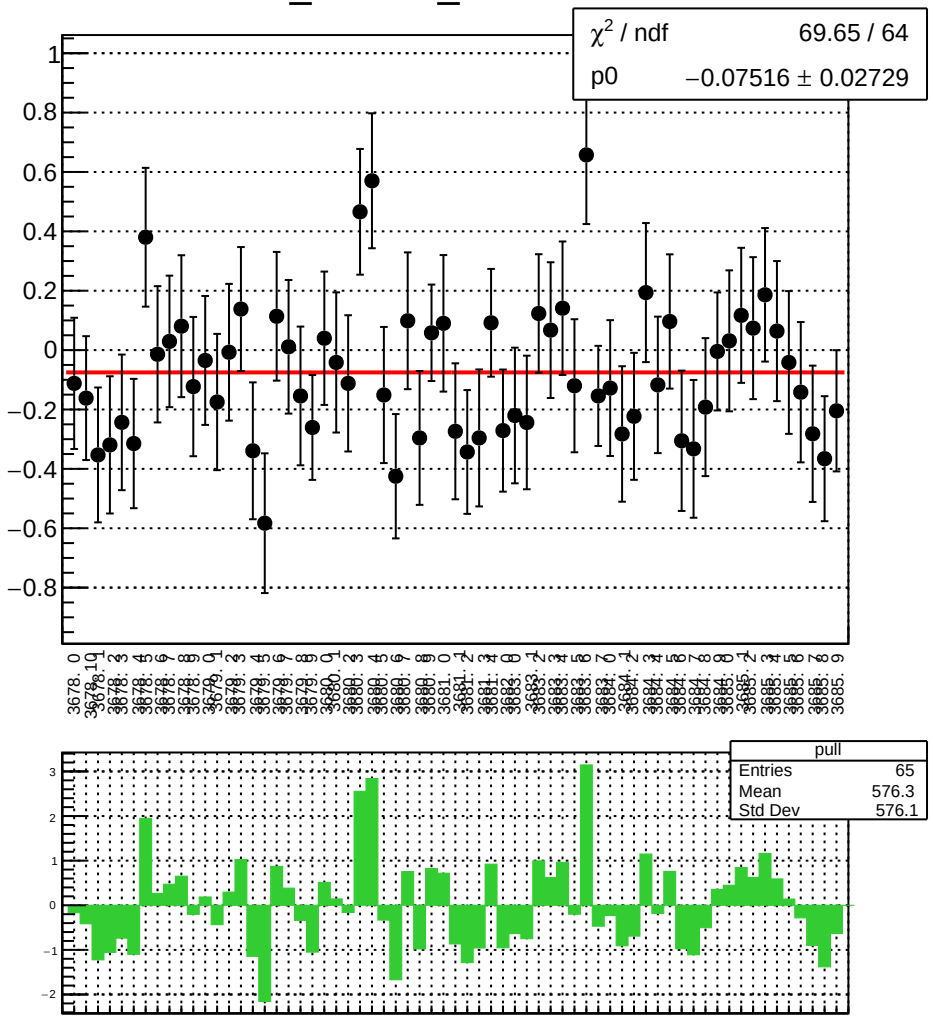
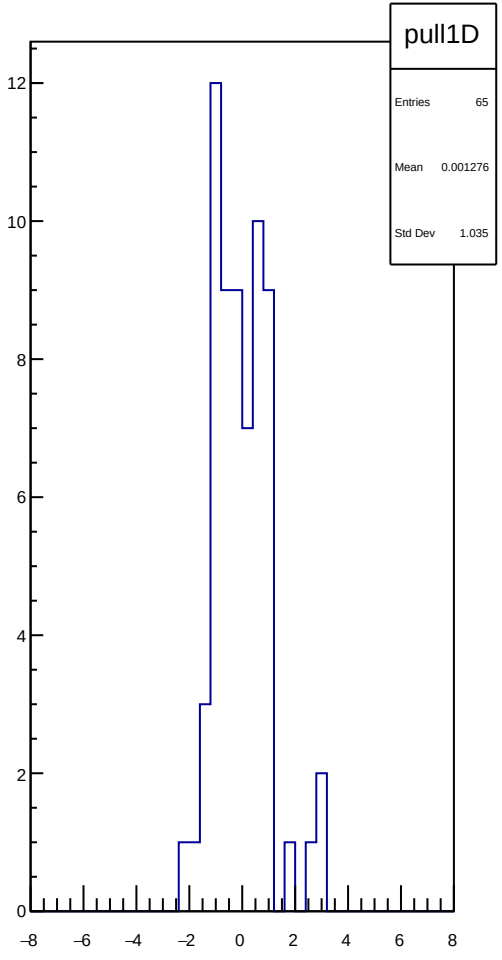
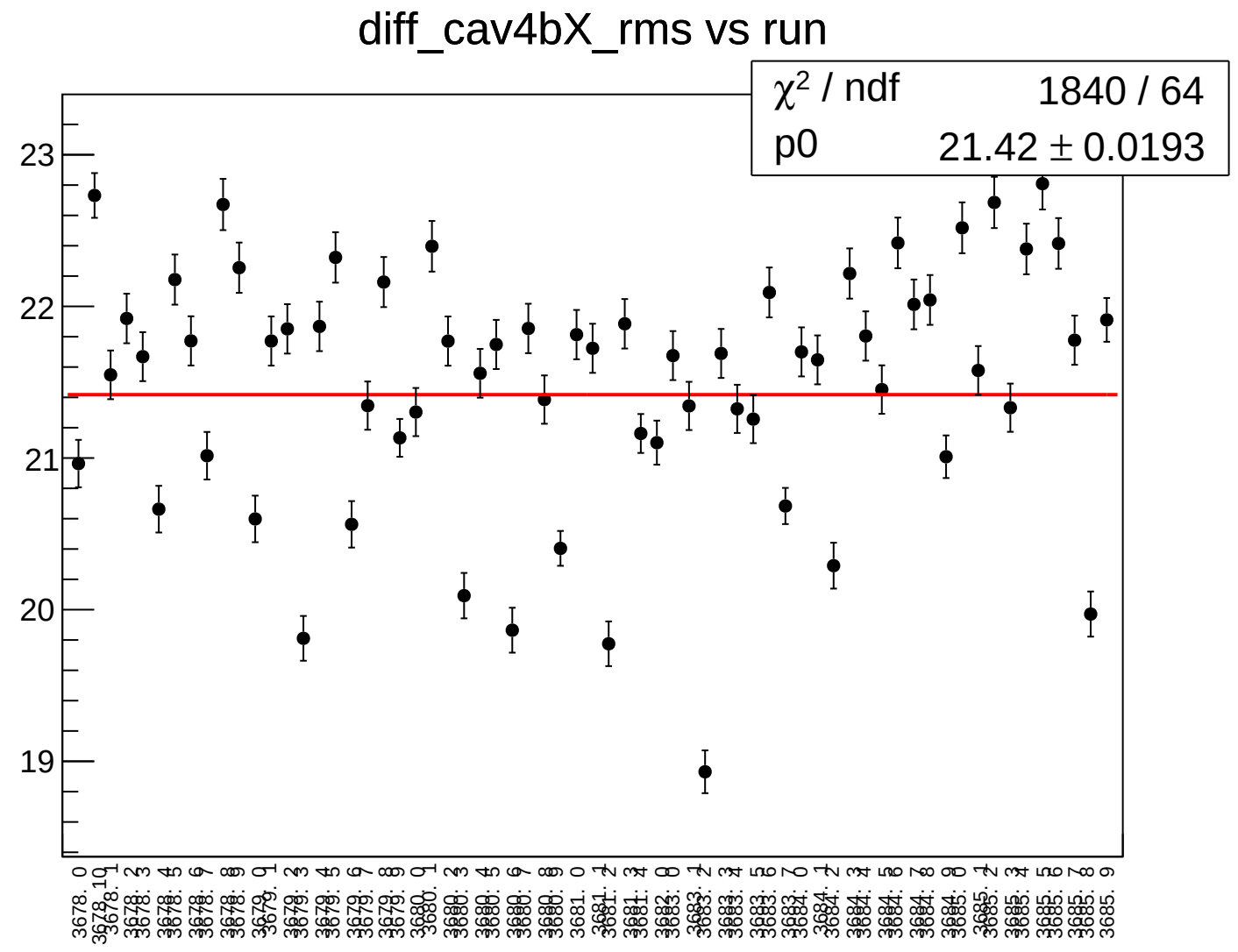
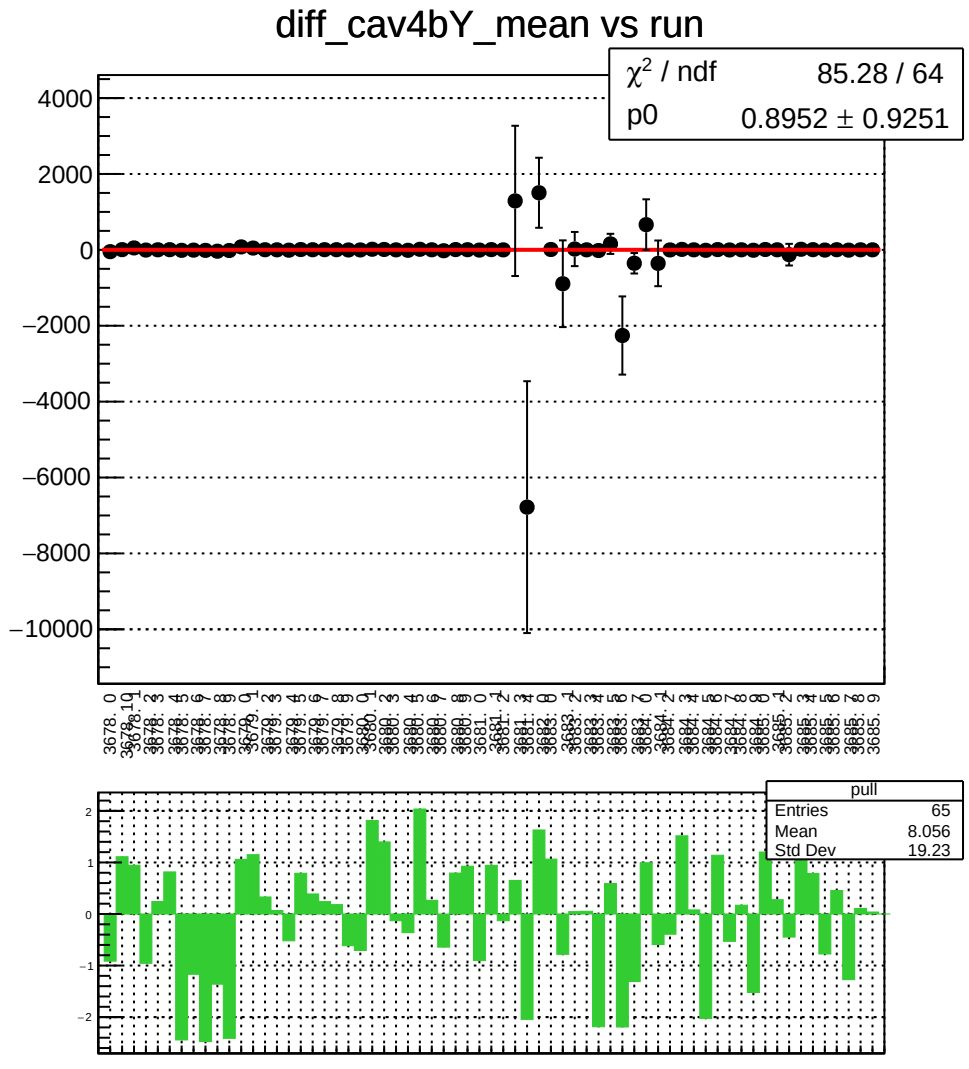
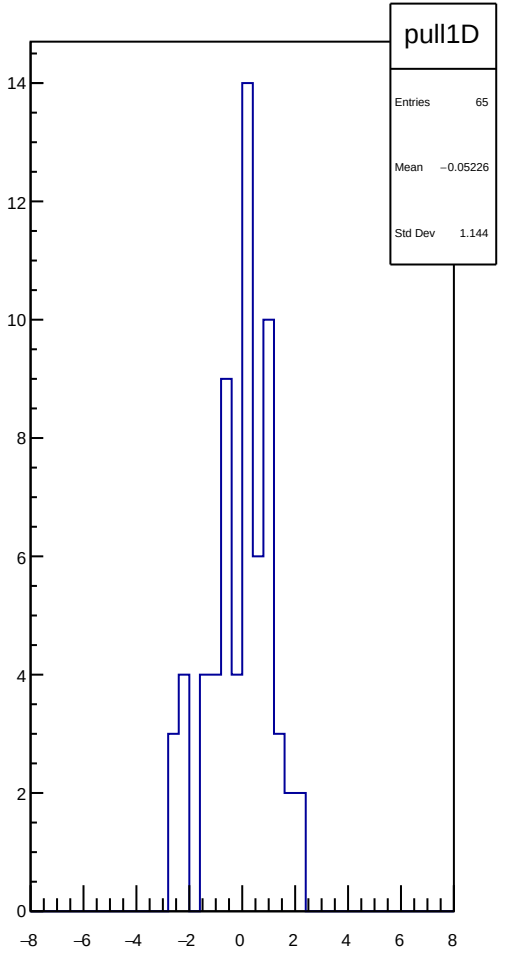
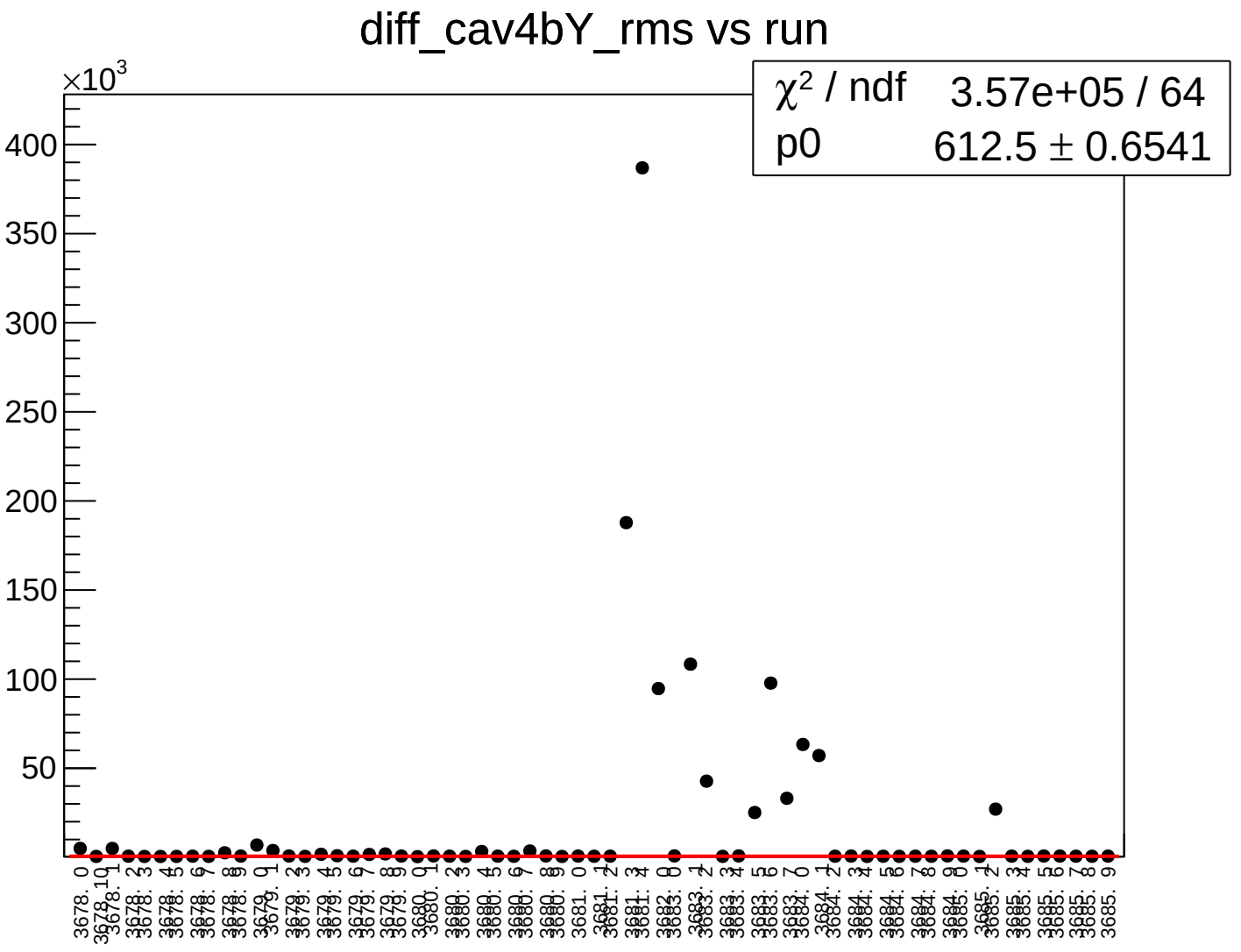

diff_cav4bX_mean vs run
χ² / ndf 69.65 / 64
p0 −0.07516 ± 0.02729
pull
Entries 65
Mean 576.3
Std Dev 576.1

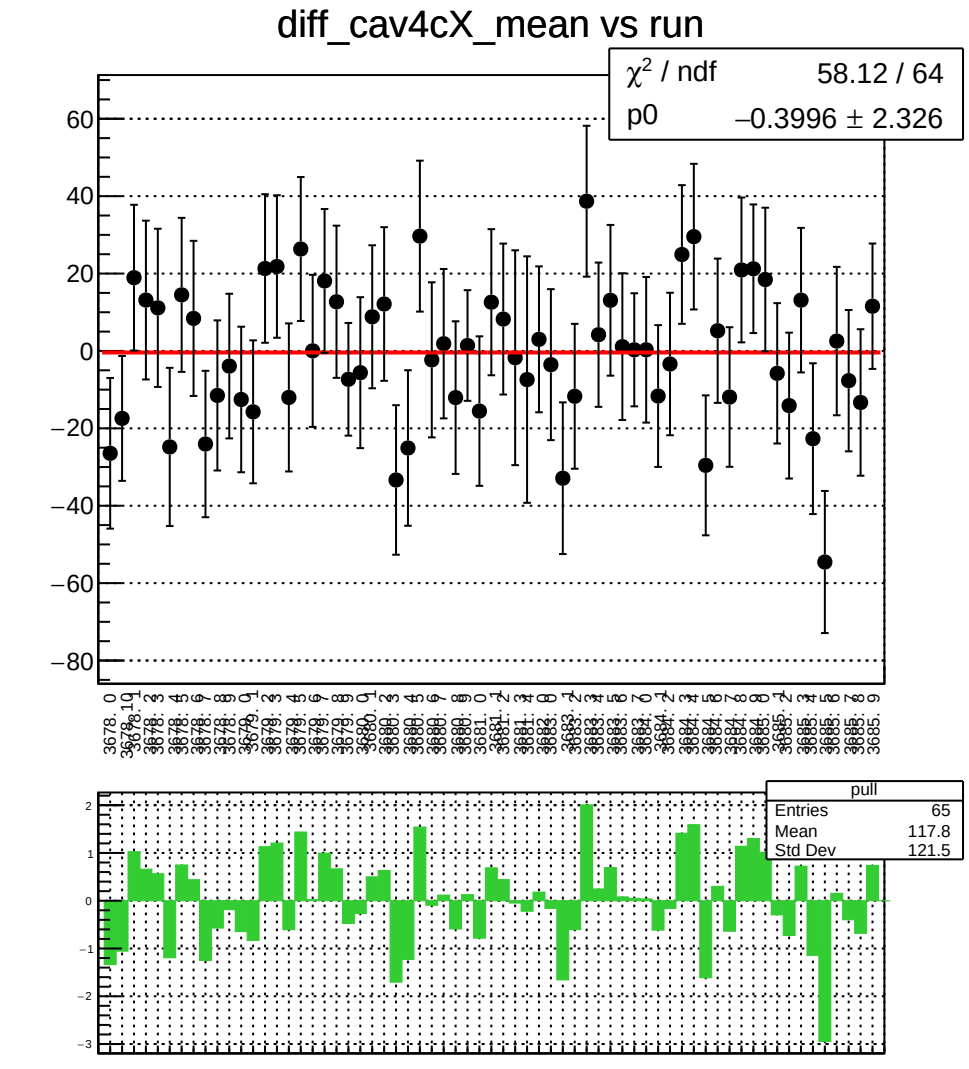

pull1D
Entries 65
Mean 0.001276
Std Dev 1.035

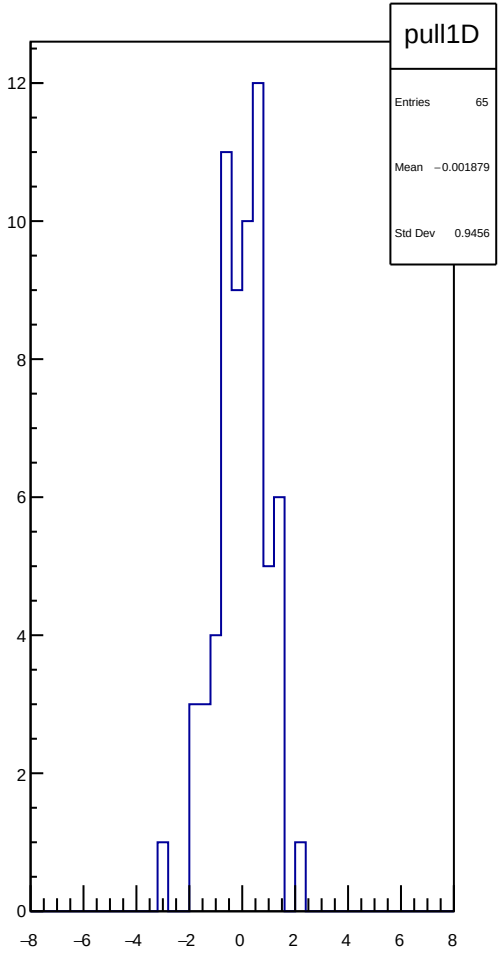

diff_cav4bX_rms vs run
χ² / ndf 1840 / 64
p0 21.42 ± 0.0193
23
22
21
20
19

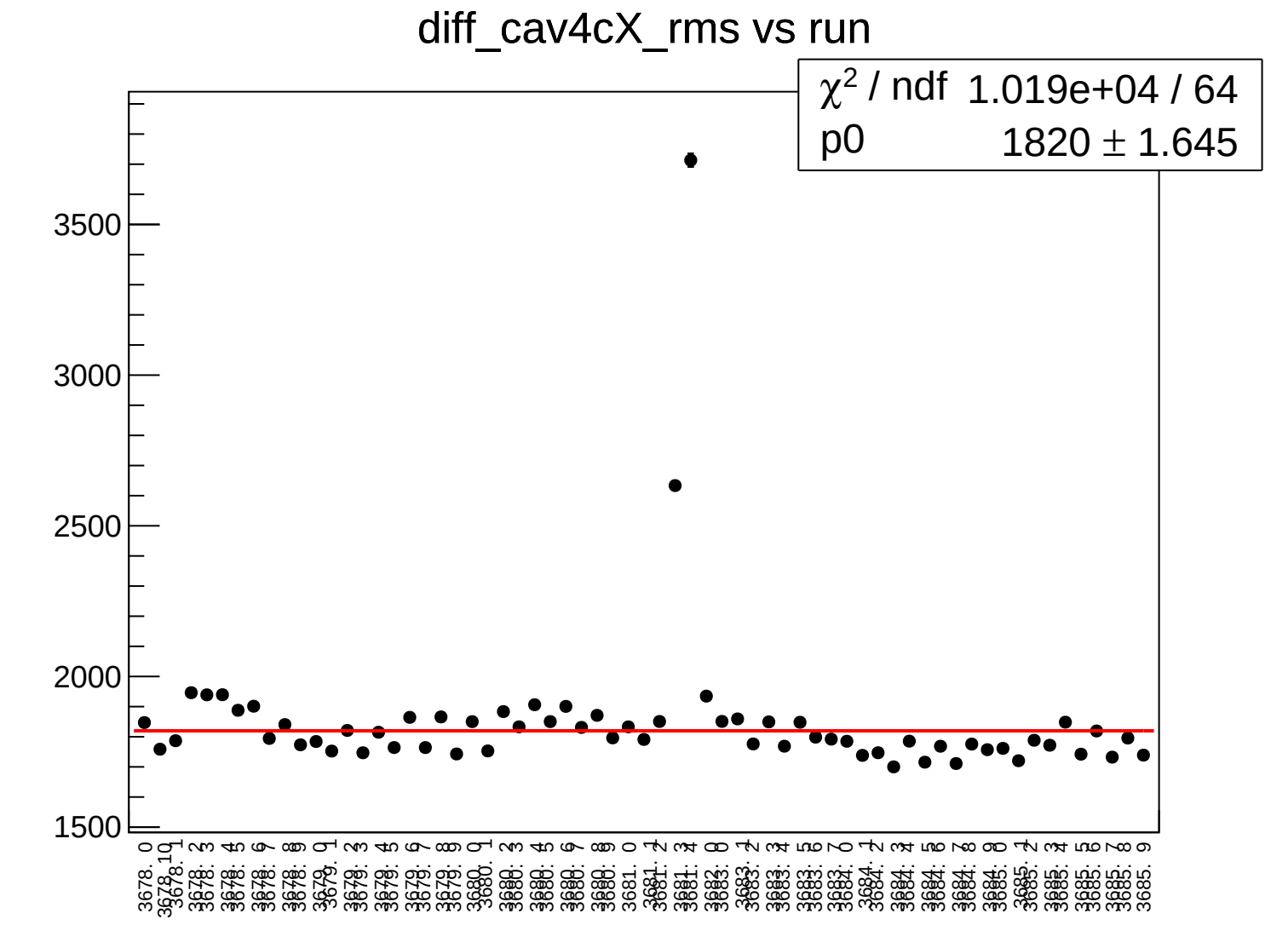

diff_cav4bY_mean vs run
χ² / ndf 85.28 / 64
p0 0.8952 ± 0.9251
pull
Entries 65
Mean 8.056
Std Dev 19.23

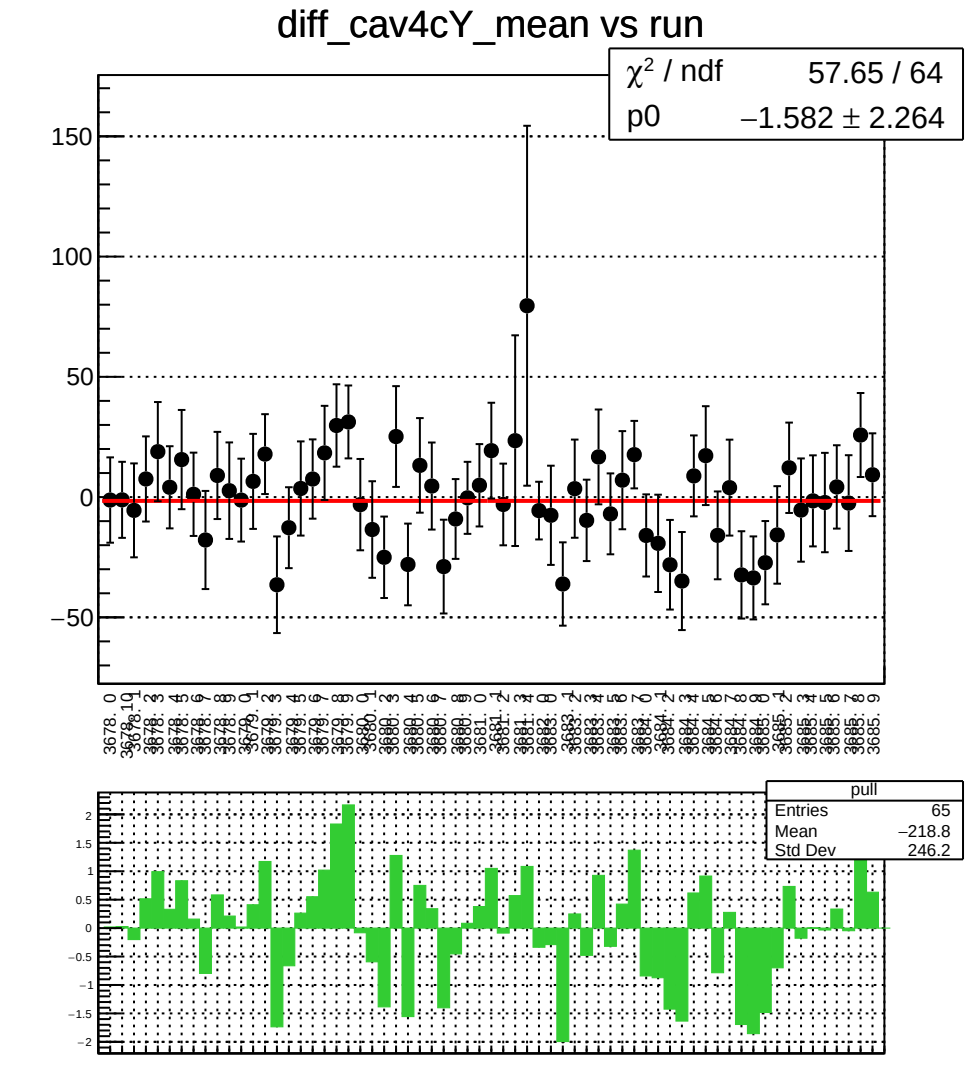

pull1D
Entries 65
Mean −0.05226
Std Dev 1.144

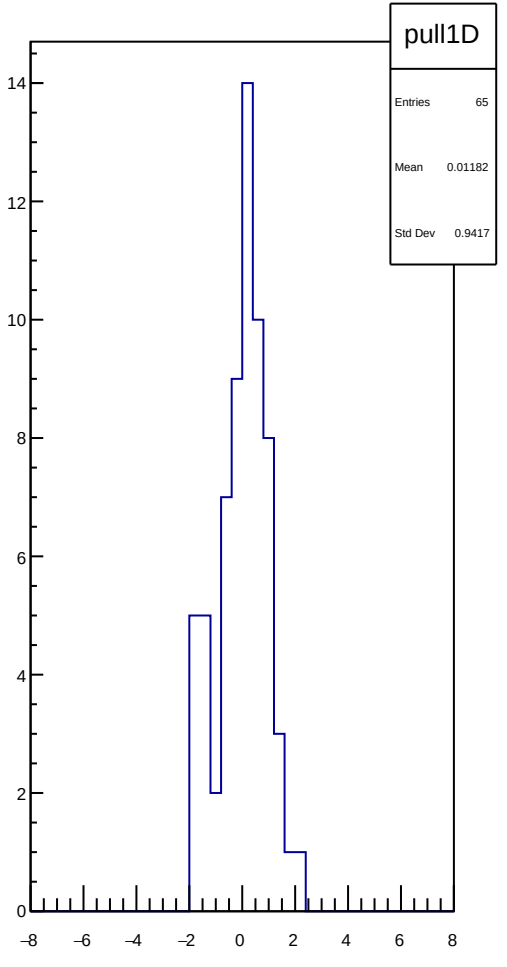

diff_cav4bY_rms vs run
×10^3
χ² / ndf 3.57e+05 / 64
p0 612.5 ± 0.6541
400
350
300
250
200
150
100
50

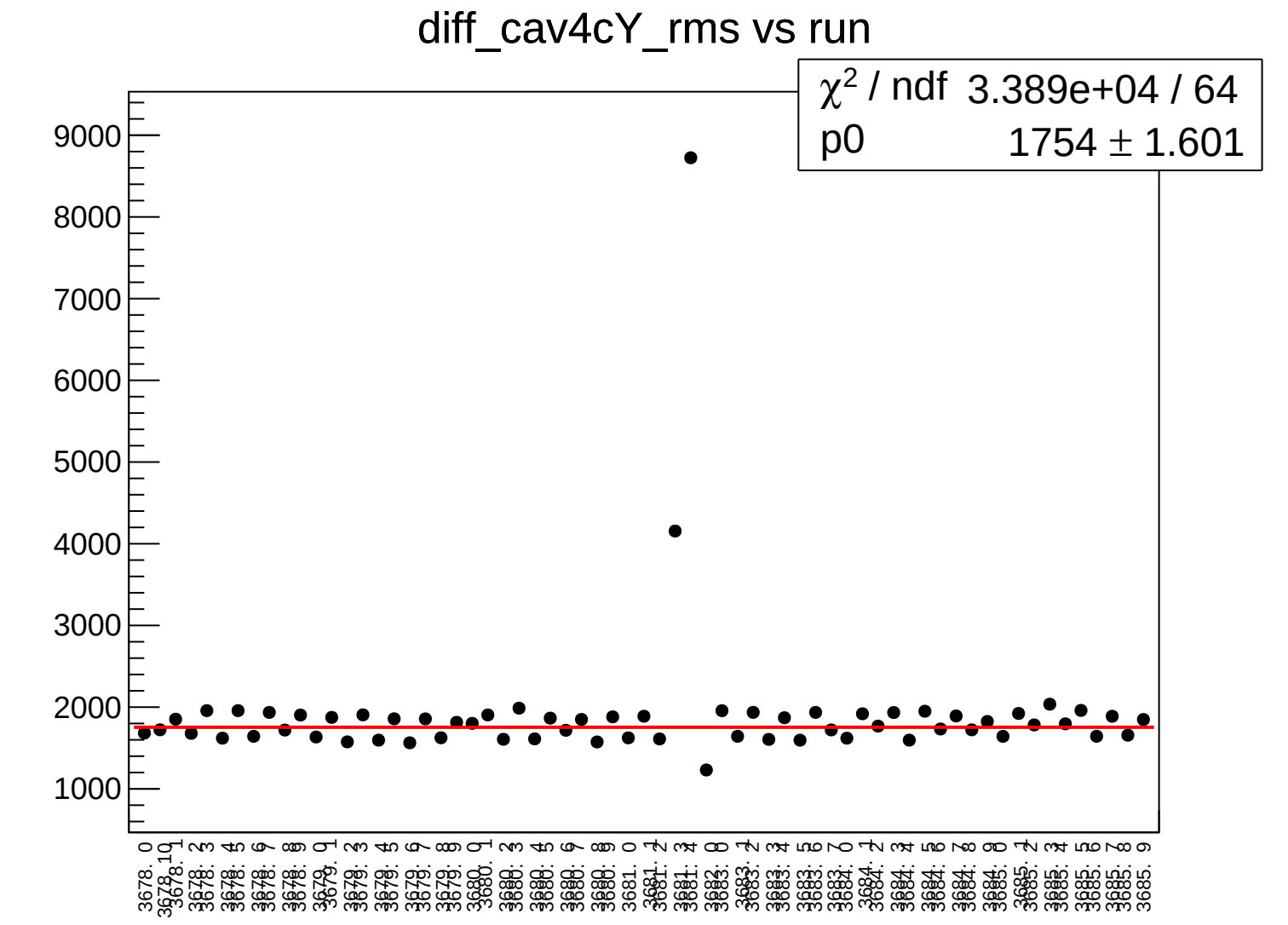

diff_cav4cX_mean vs run
χ² / ndf 58.12 / 64
p0 −0.3996 ± 2.326
pull
Entries 65
Mean 117.8
Std Dev 121.5

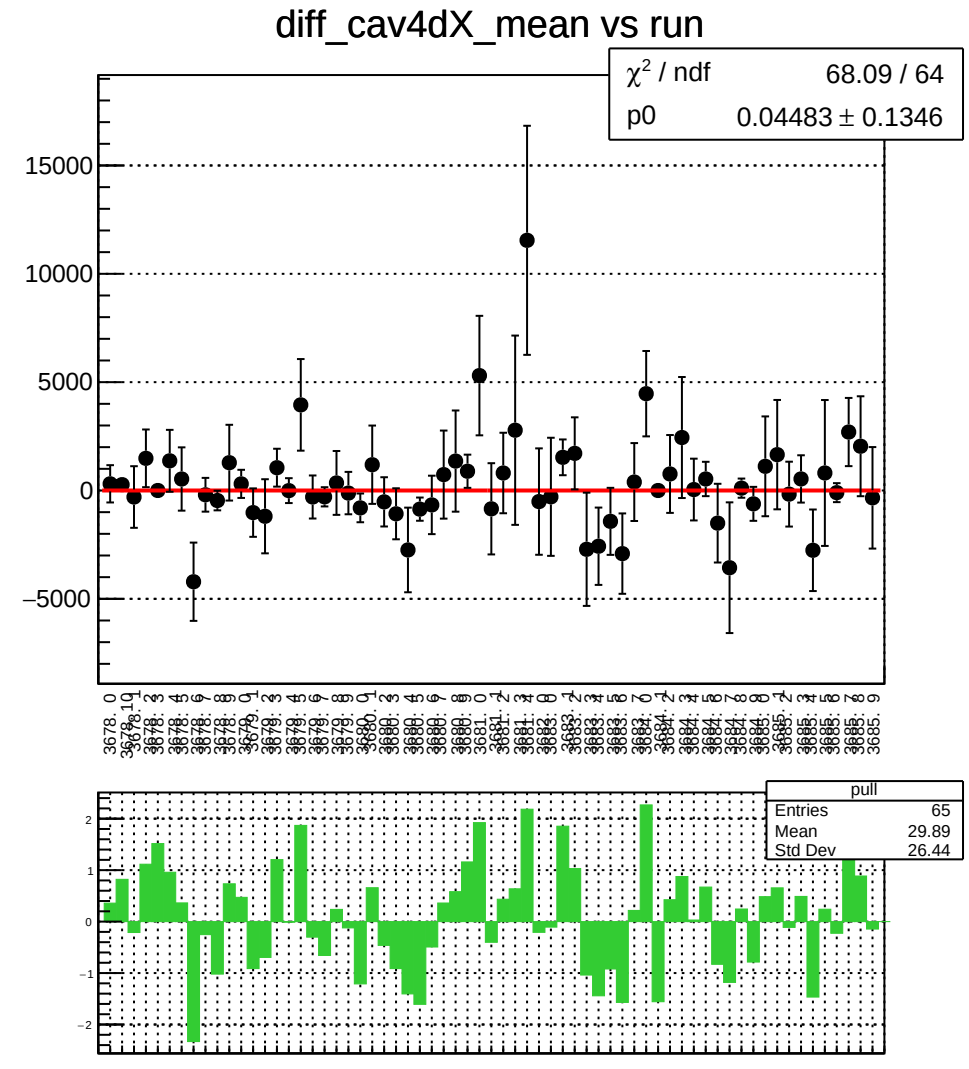

pull1D
Entries 65
Mean −0.001879
Std Dev 0.9456

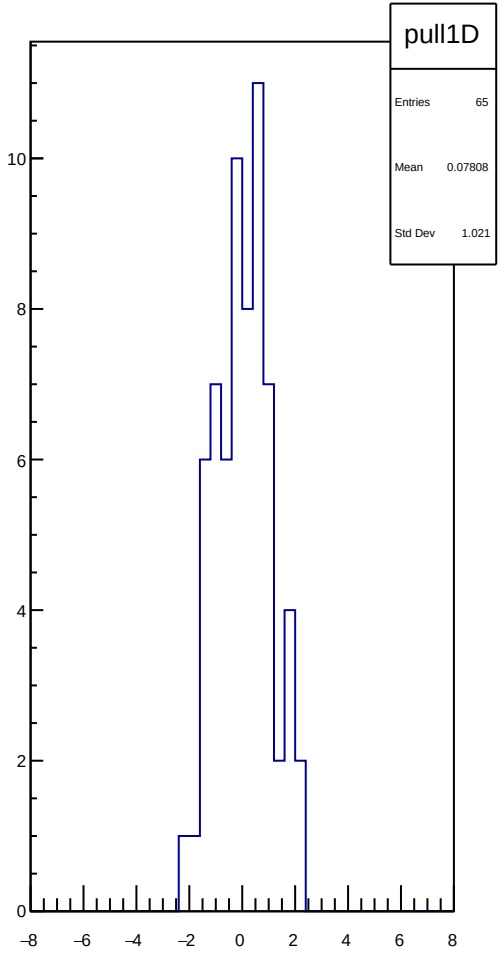

diff_cav4cX_rms vs run
χ² / ndf 1.019e+04 / 64
p0 1820 ± 1.645
3500
3000
2500
2000
1500

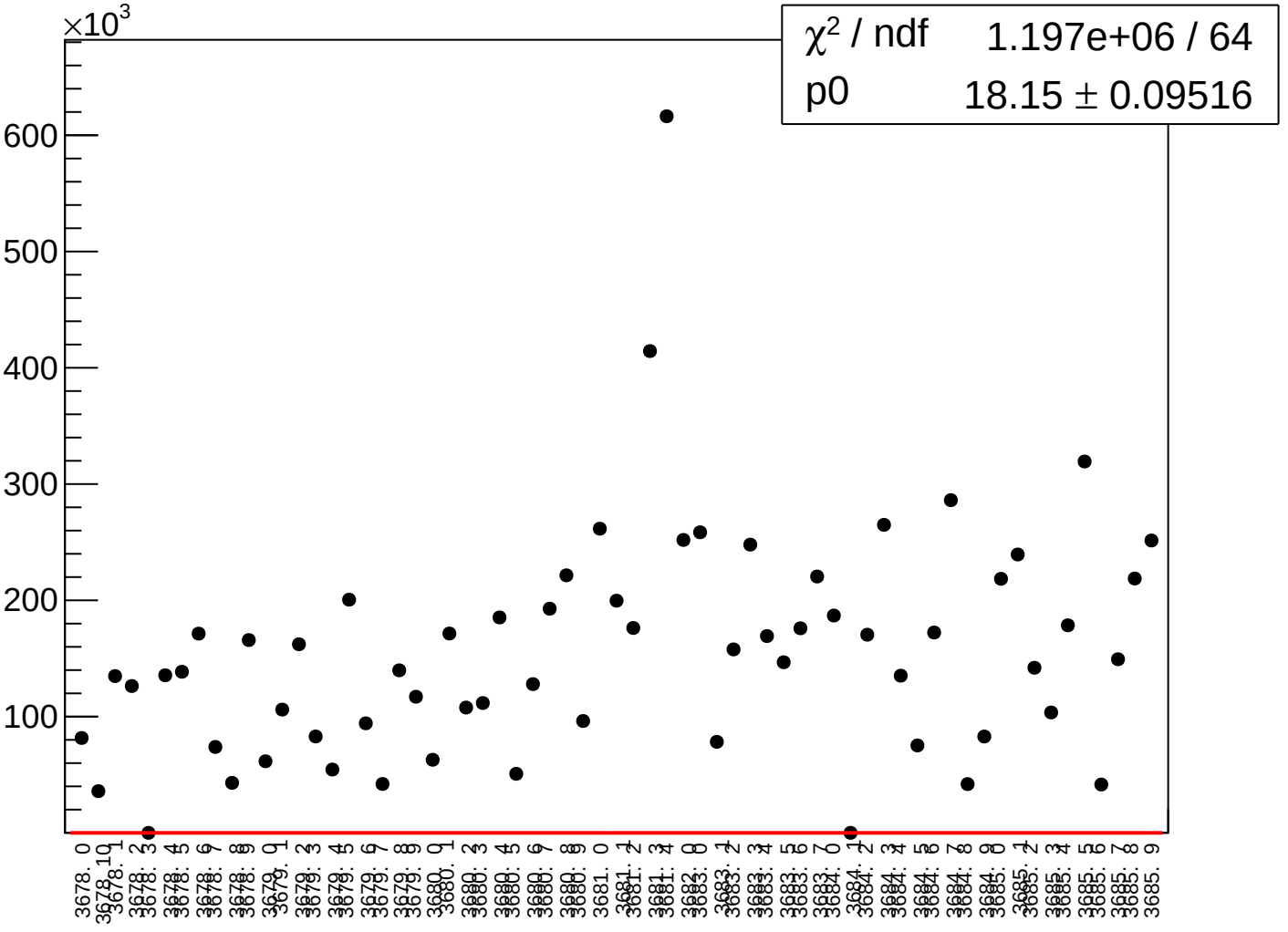

diff_cav4cY_mean vs run
χ² / ndf 57.65 / 64
p0 −1.582 ± 2.264
150
100
50
0
−50
pull
Entries 65
Mean −218.8
Std Dev 246.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

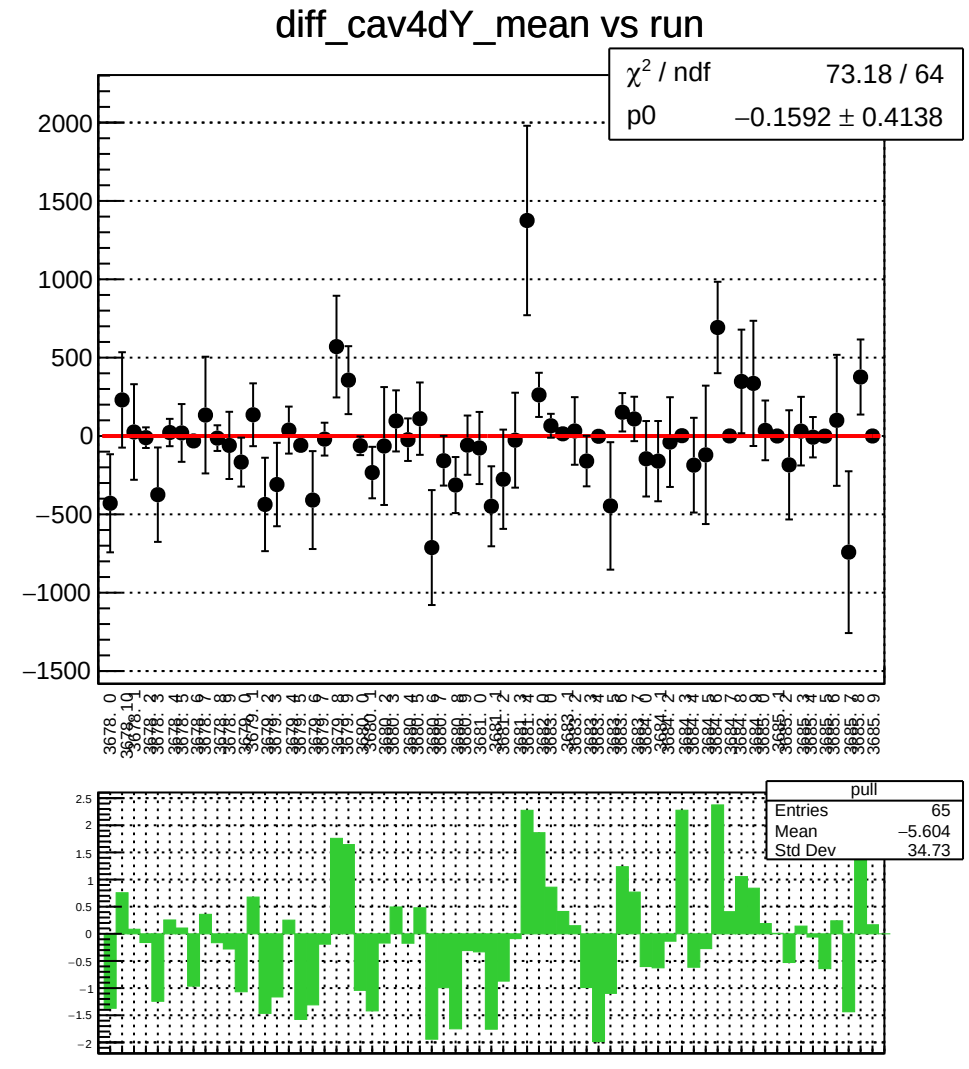

pull1D
Entries 65
Mean 0.01182
Std Dev 0.9417
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

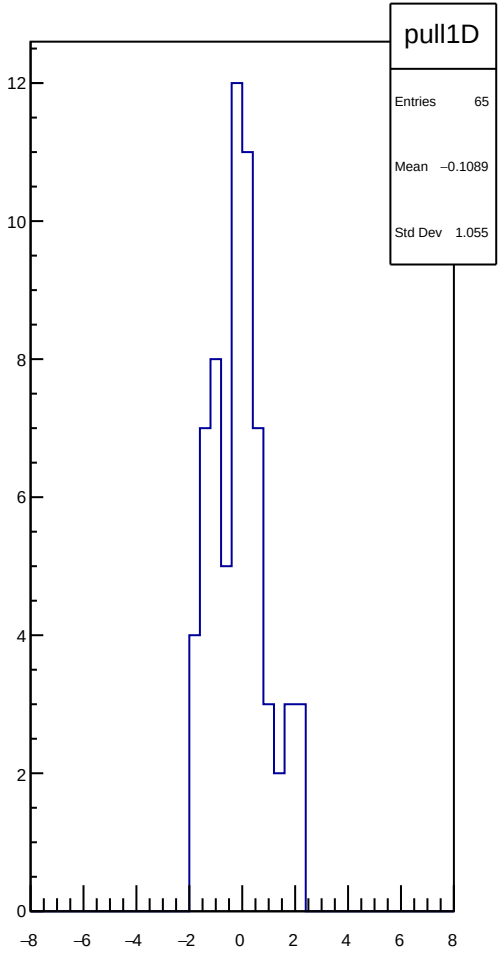

diff_cav4cY_rms vs run
χ² / ndf 3.389e+04 / 64
p0 1754 ± 1.601
9000
8000
7000
6000
5000
4000
3000
2000
1000

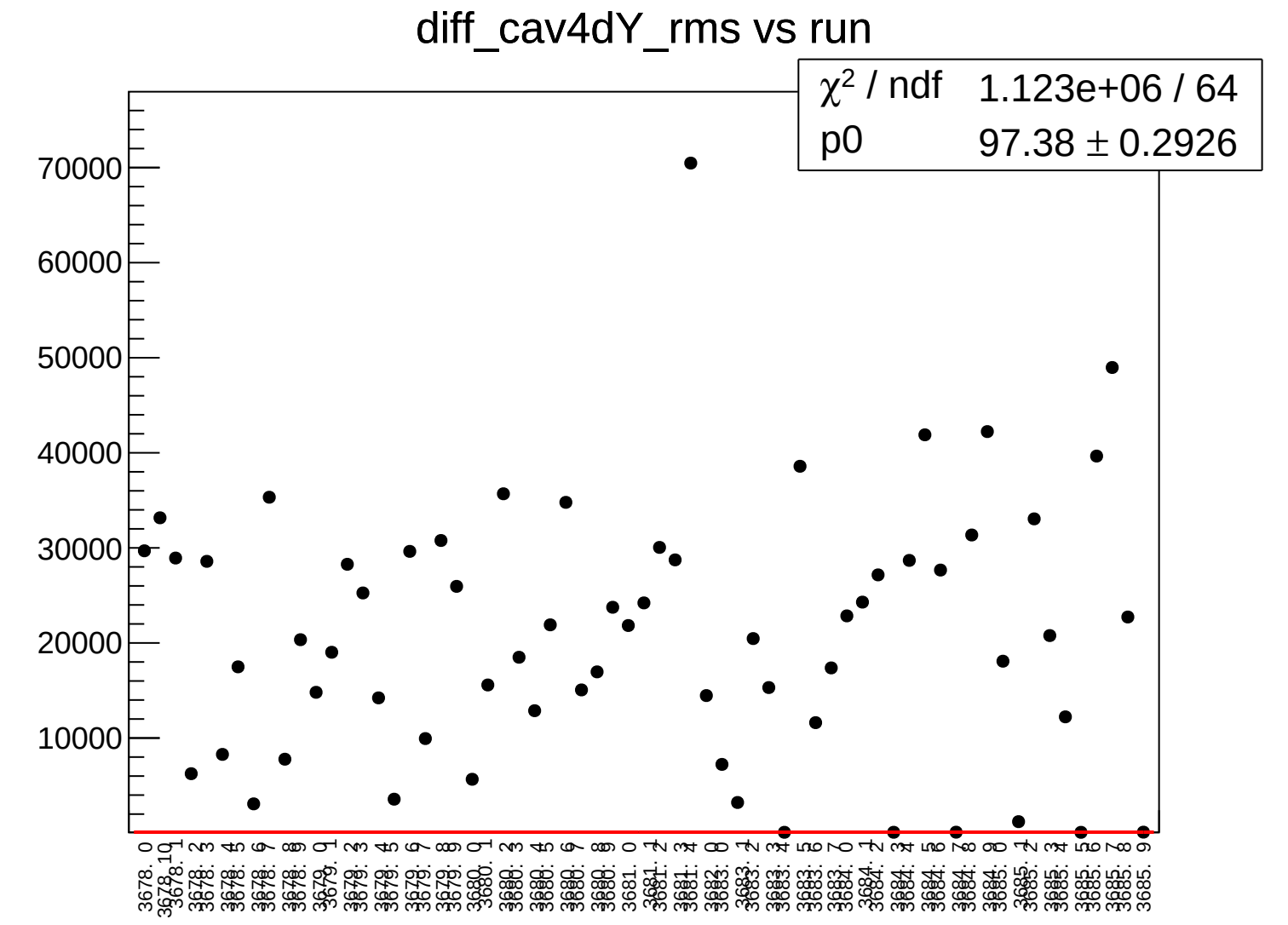

diff_cav4dX_mean vs run
χ² / ndf 68.09 / 64
p0 0.04483 ± 0.1346
15000
10000
5000
0
−5000
pull
Entries 65
Mean 29.89
Std Dev 26.44
2
1
0
−1
−2

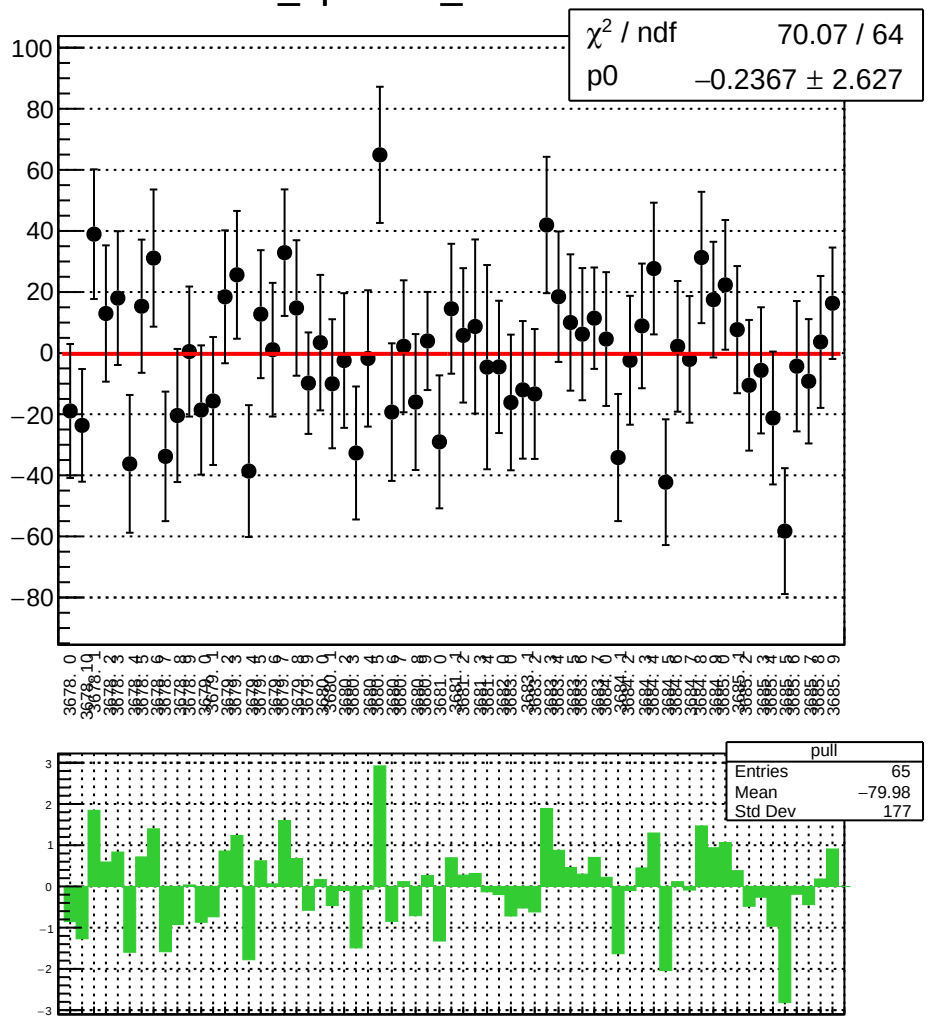

pull1D
Entries 65
Mean 0.07808
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

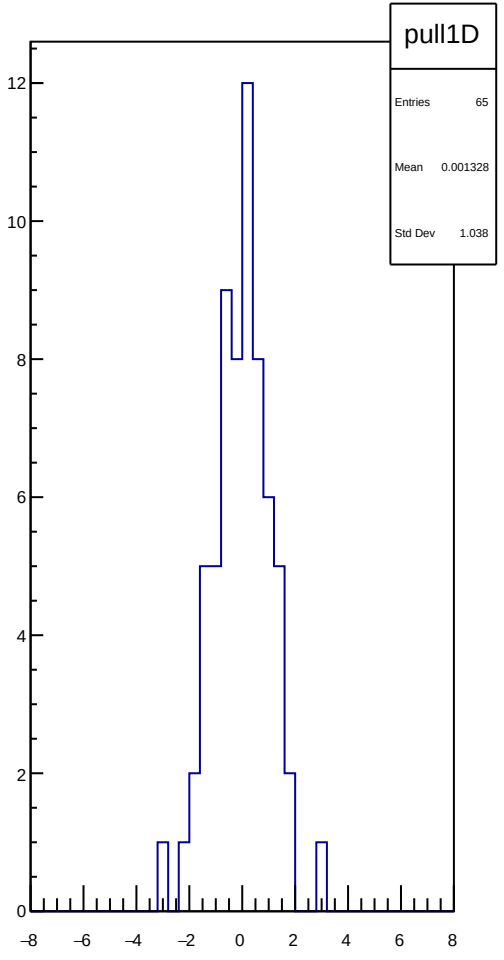

diff_cav4dX_rms vs run
×10^3
χ² / ndf 1.197e+06 / 64
p0 18.15 ± 0.09516
600
500
400
300
200
100

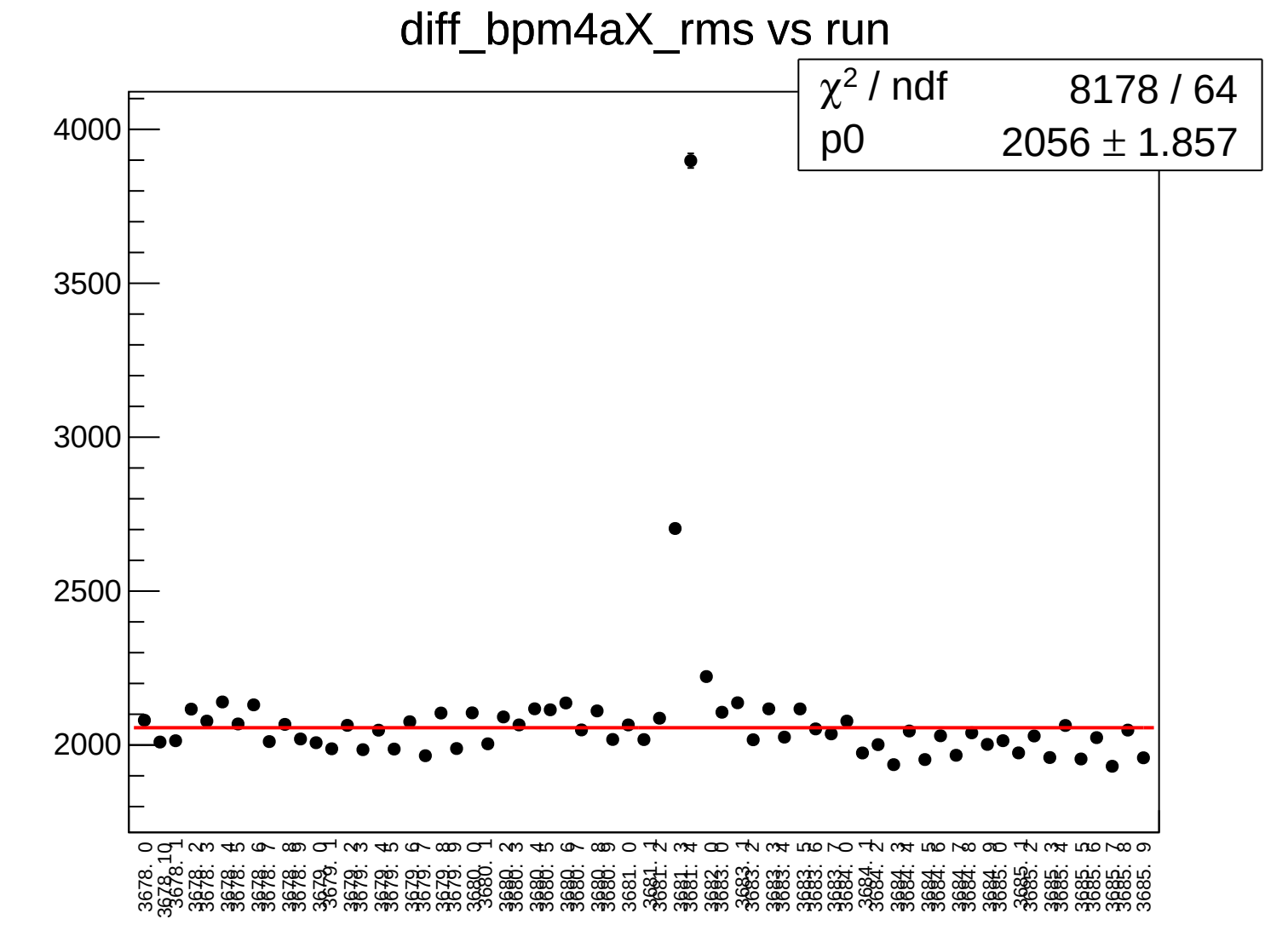

diff_cav4dY_mean vs run
χ^2 / ndf 73.18 / 64
p0 −0.1592 ± 0.4138
pull
Entries 65
Mean −5.604
Std Dev 34.73

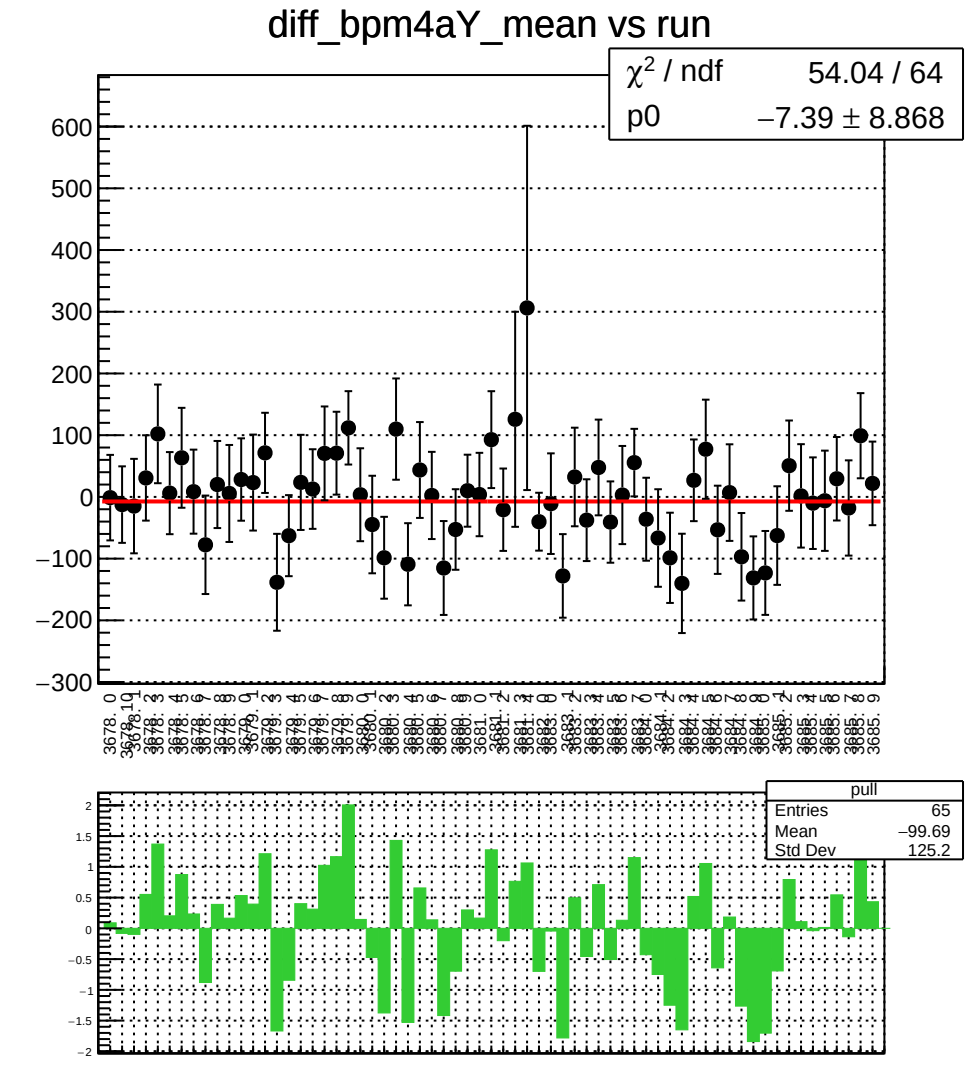

pull1D
Entries 65
Mean −0.1089
Std Dev 1.055

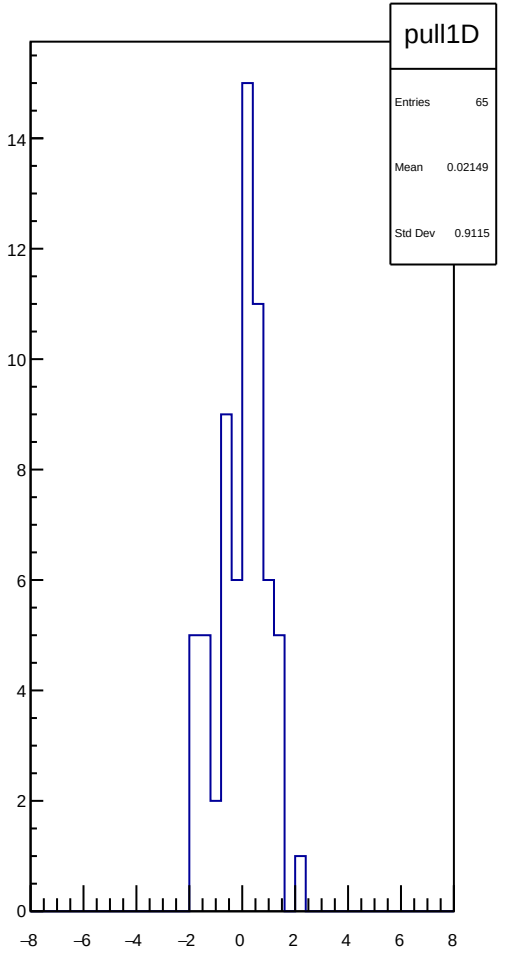

diff_cav4dY_rms vs run
χ² / ndf 1.123e+06 / 64
p0 97.38 ± 0.2926
70000
60000
50000
40000
30000
20000
10000

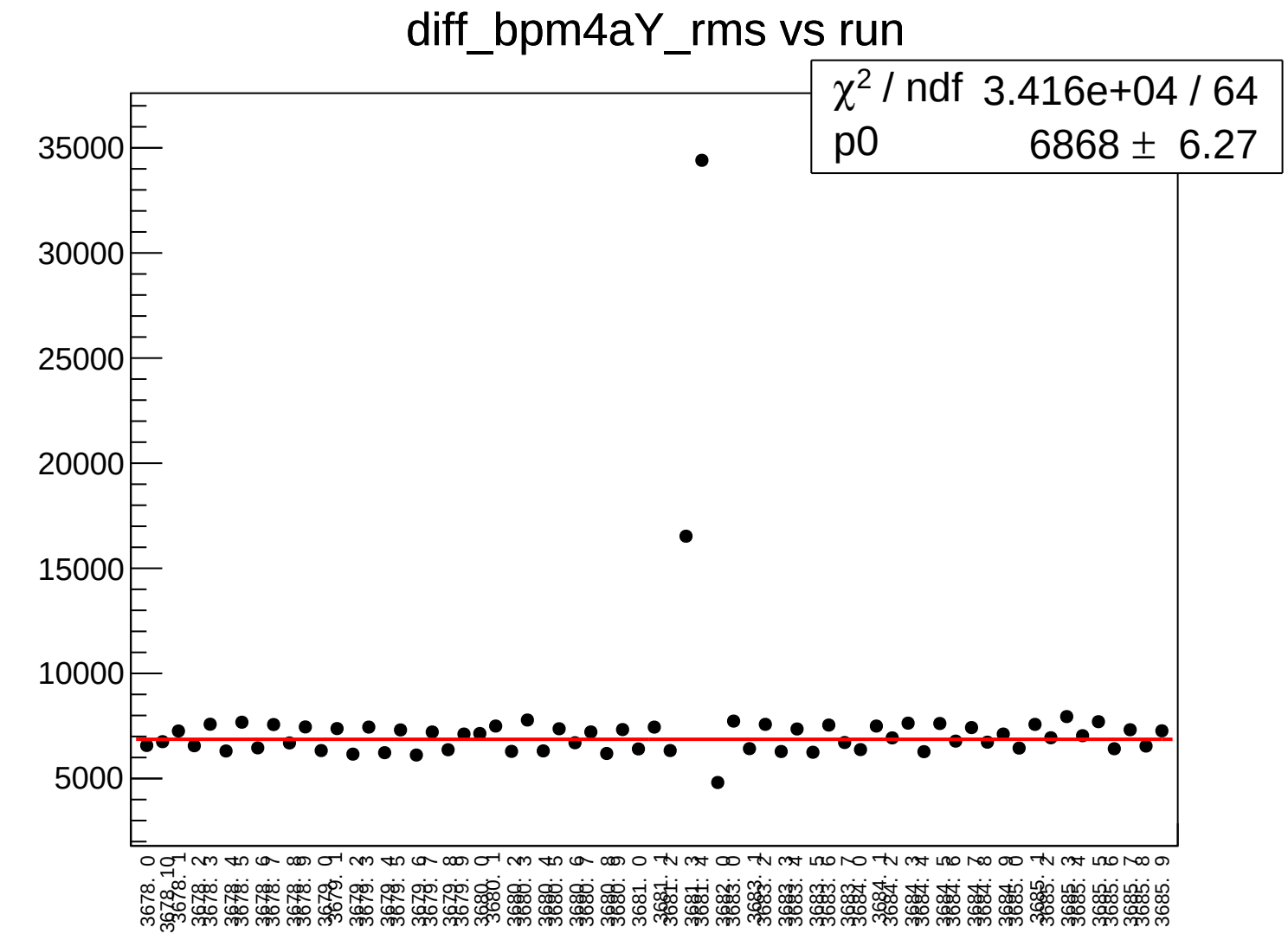

diff_bpm4aX_mean vs run
χ² / ndf 70.07 / 64
p0 −0.2367 ± 2.627
pull
Entries 65
Mean −79.98
Std Dev 177

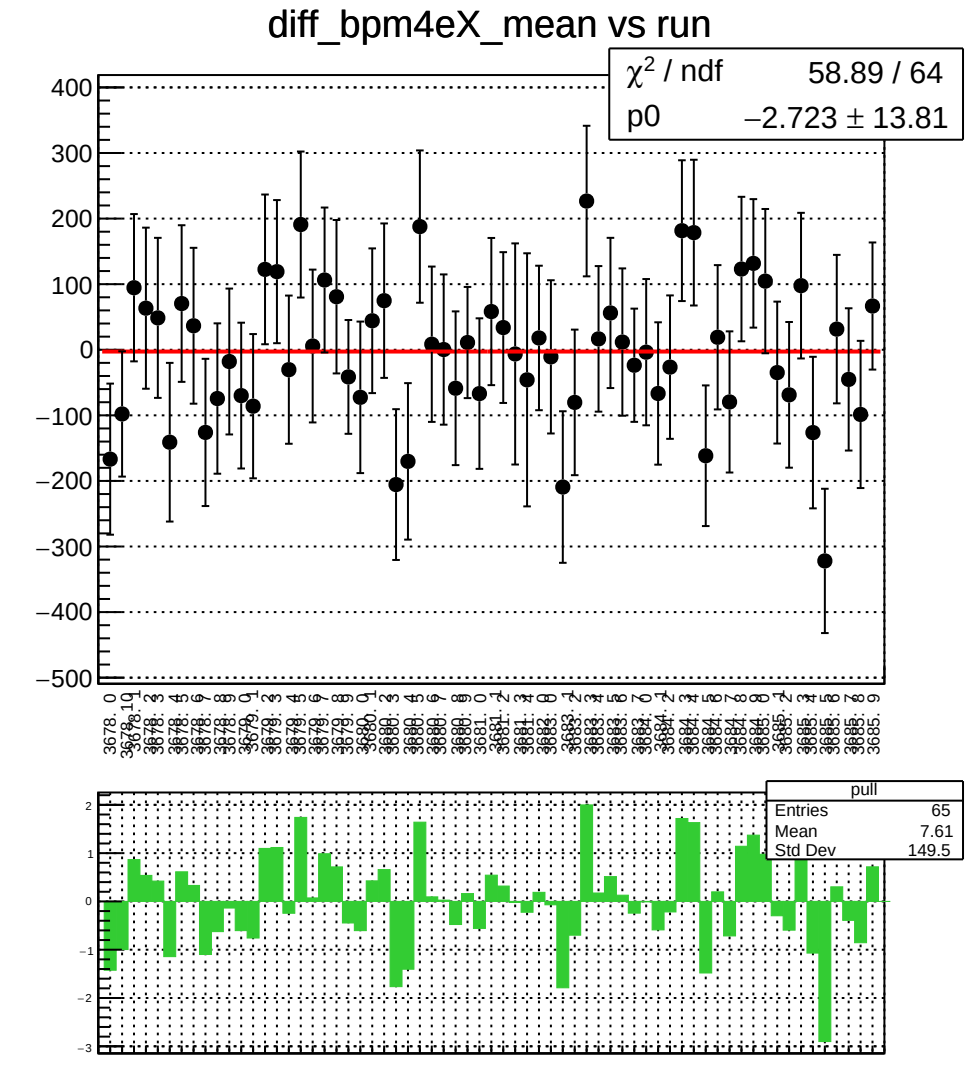

pull1D
Entries 65
Mean 0.001328
Std Dev 1.038

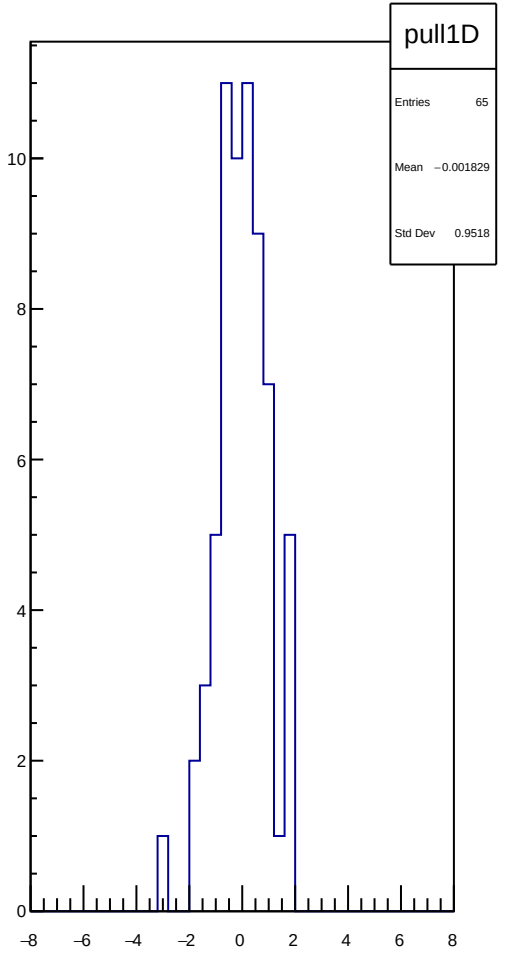

diff_bpm4aX_rms vs run
χ² / ndf 8178 / 64
p0 2056 ± 1.857
4000
3500
3000
2500
2000

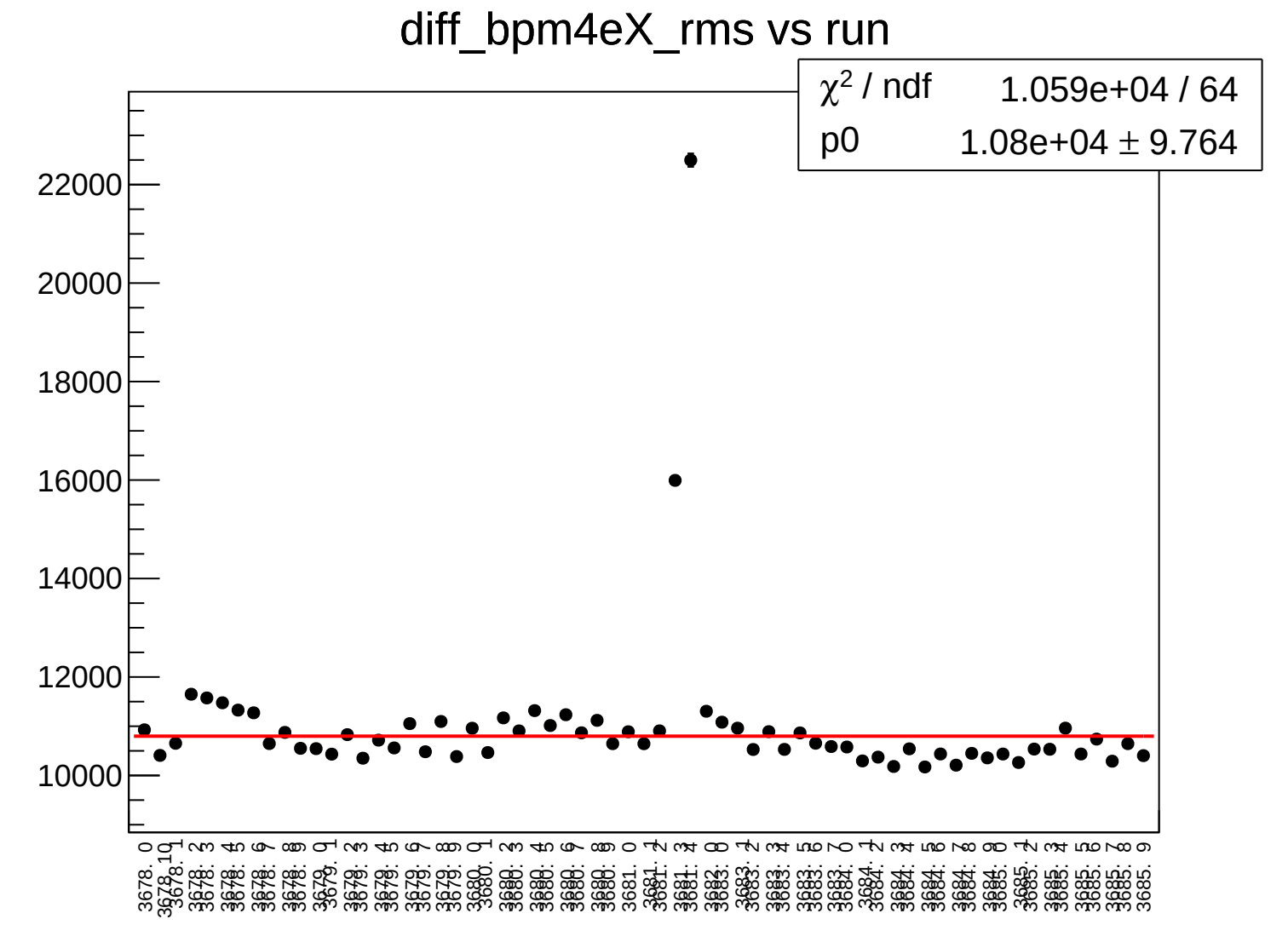

diff_bpm4aY_mean vs run
χ² / ndf 54.04 / 64
p0 −7.39 ± 8.868
pull
Entries 65
Mean −99.69
Std Dev 125.2

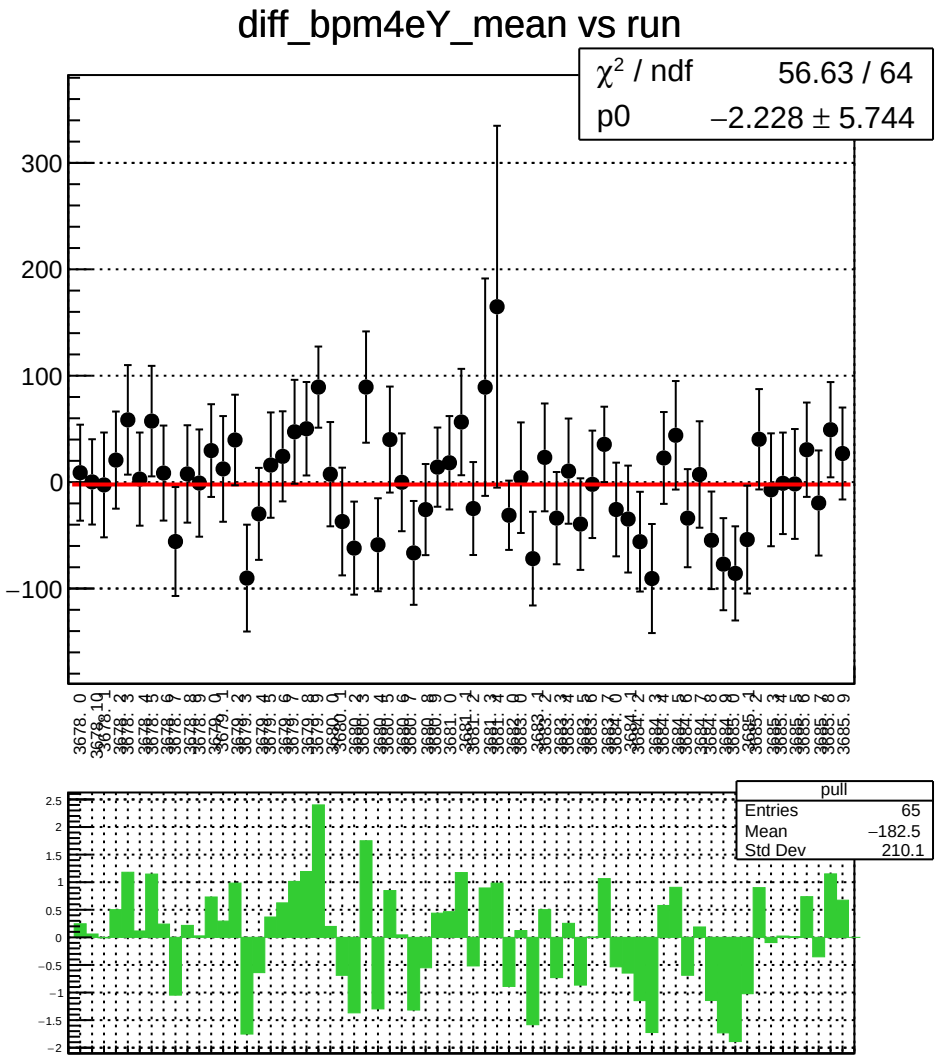

pull1D
Entries 65
Mean 0.02149
Std Dev 0.9115

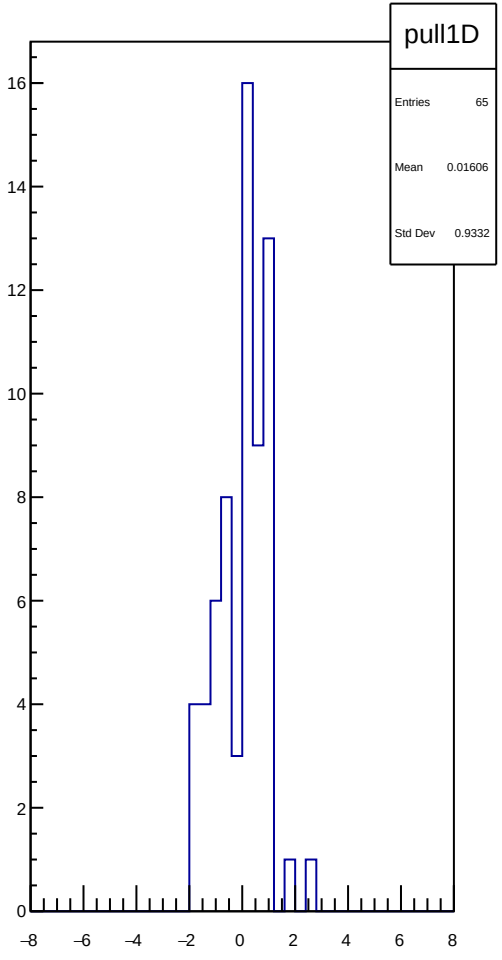

diff_bpm4aY_rms vs run
χ² / ndf 3.416e+04 / 64
p0 6868 ± 6.27
35000
30000
25000
20000
15000
10000
5000

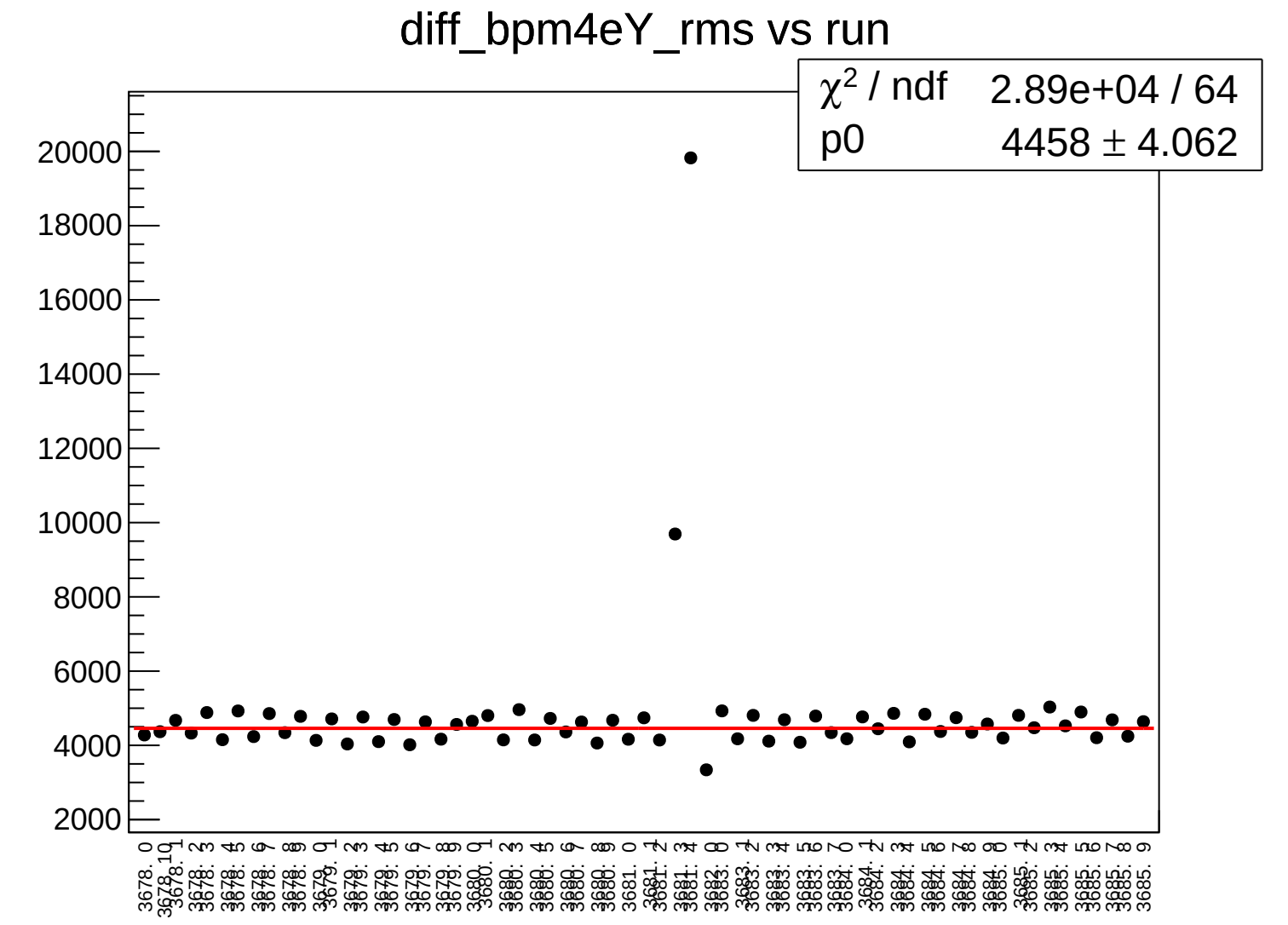

diff_bpm4eX_mean vs run
χ² / ndf 58.89 / 64
p0 −2.723 ± 13.81
pull
Entries 65
Mean 7.61
Std Dev 149.5

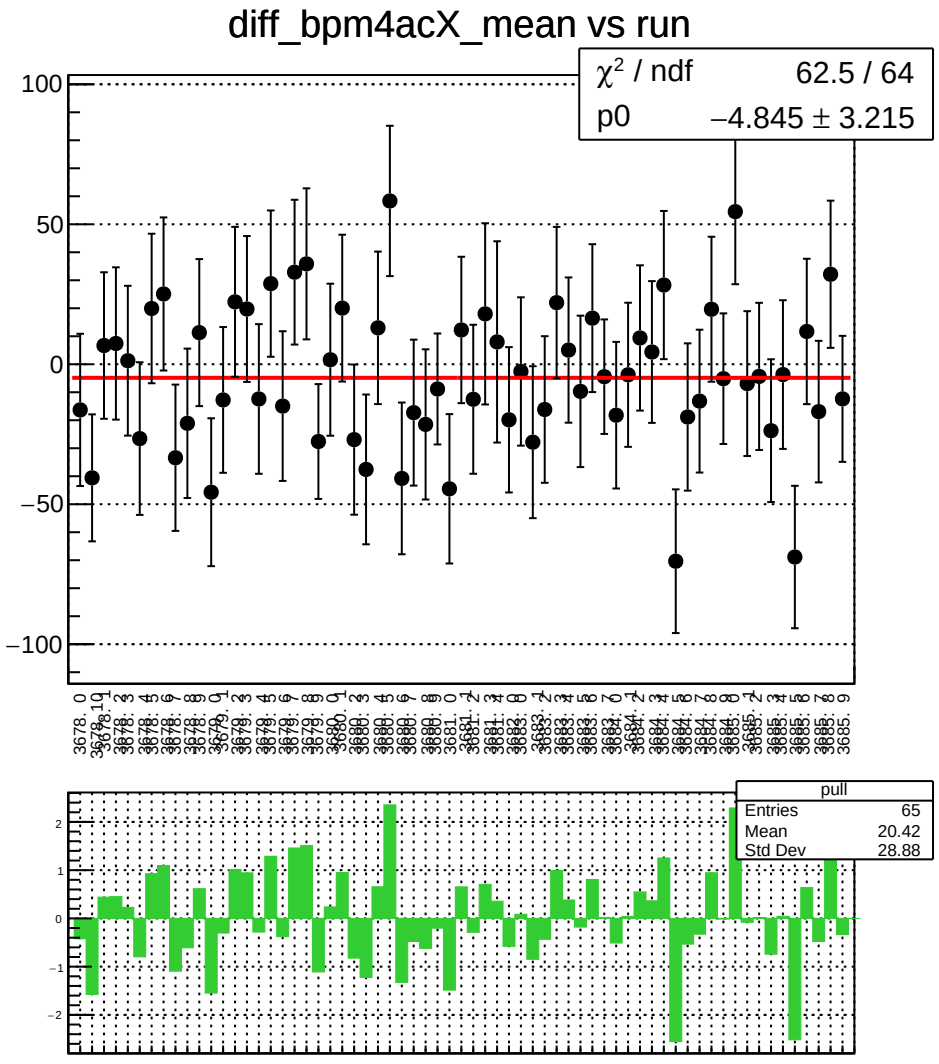

pull1D
Entries 65
Mean −0.001829
Std Dev 0.9518

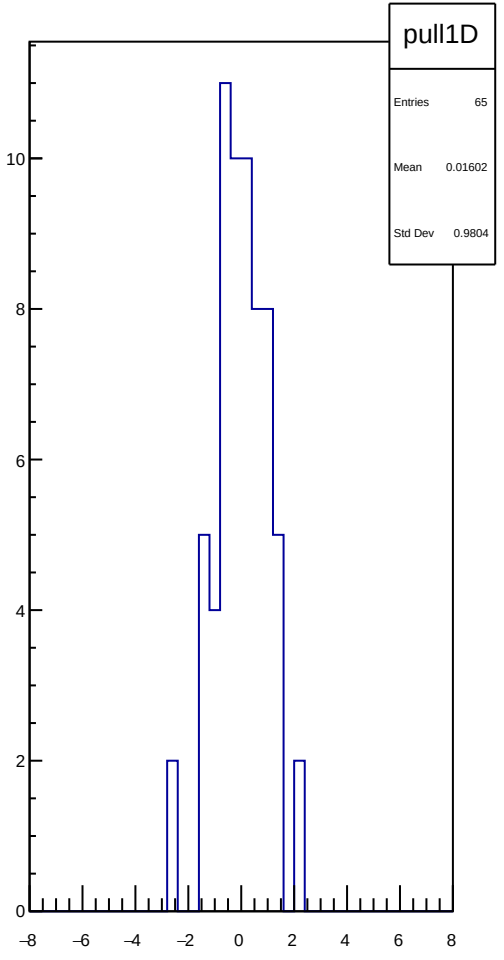

diff_bpm4eX_rms vs run
χ^2 / ndf 1.059e+04 / 64
p0 1.08e+04 ± 9.764
22000
20000
18000
16000
14000
12000
10000

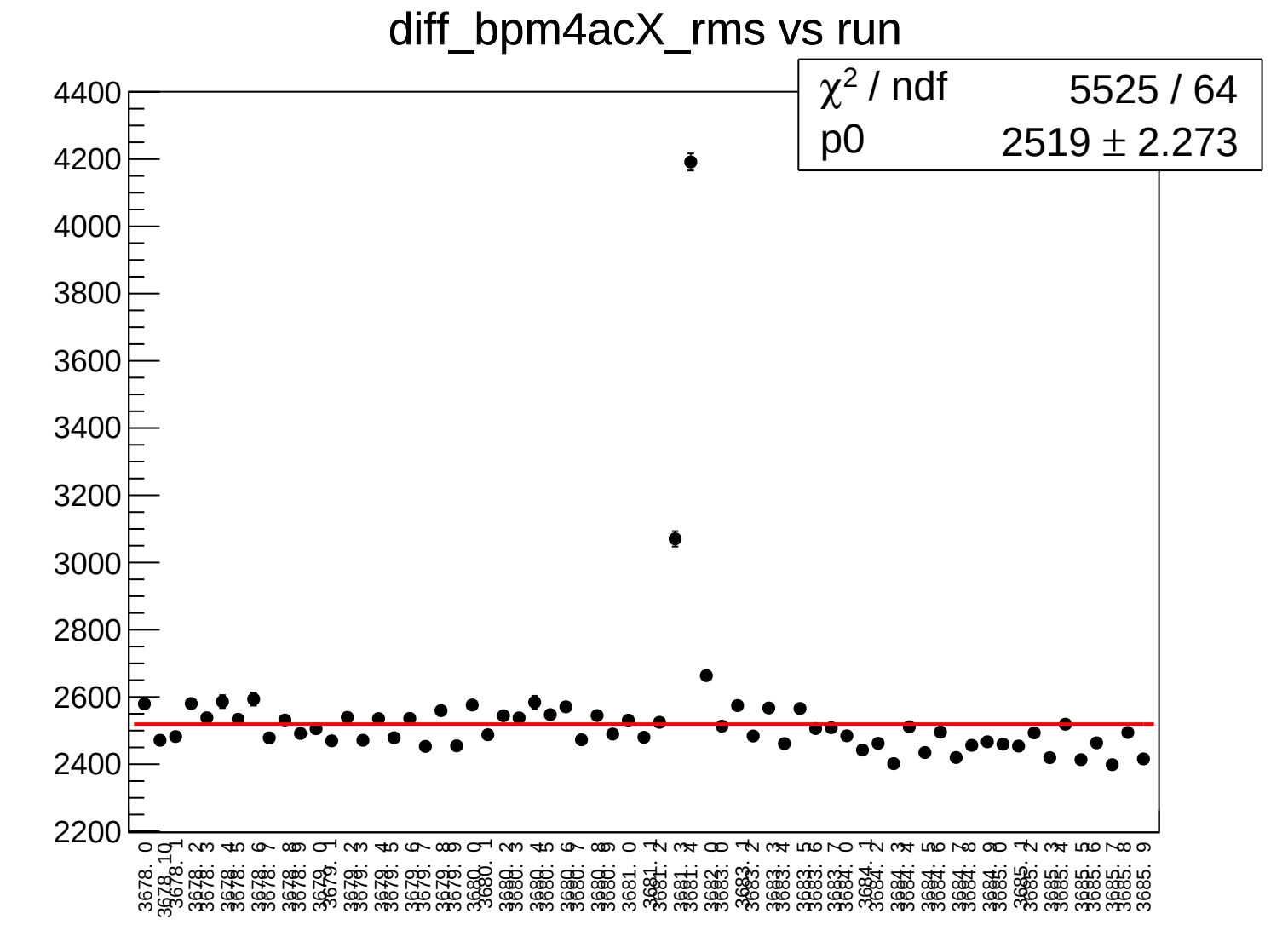

diff_bpm4eY_mean vs run
χ² / ndf 56.63 / 64
p0 −2.228 ± 5.744
300
200
100
0
−100
pull
Entries 65
Mean −182.5
Std Dev 210.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

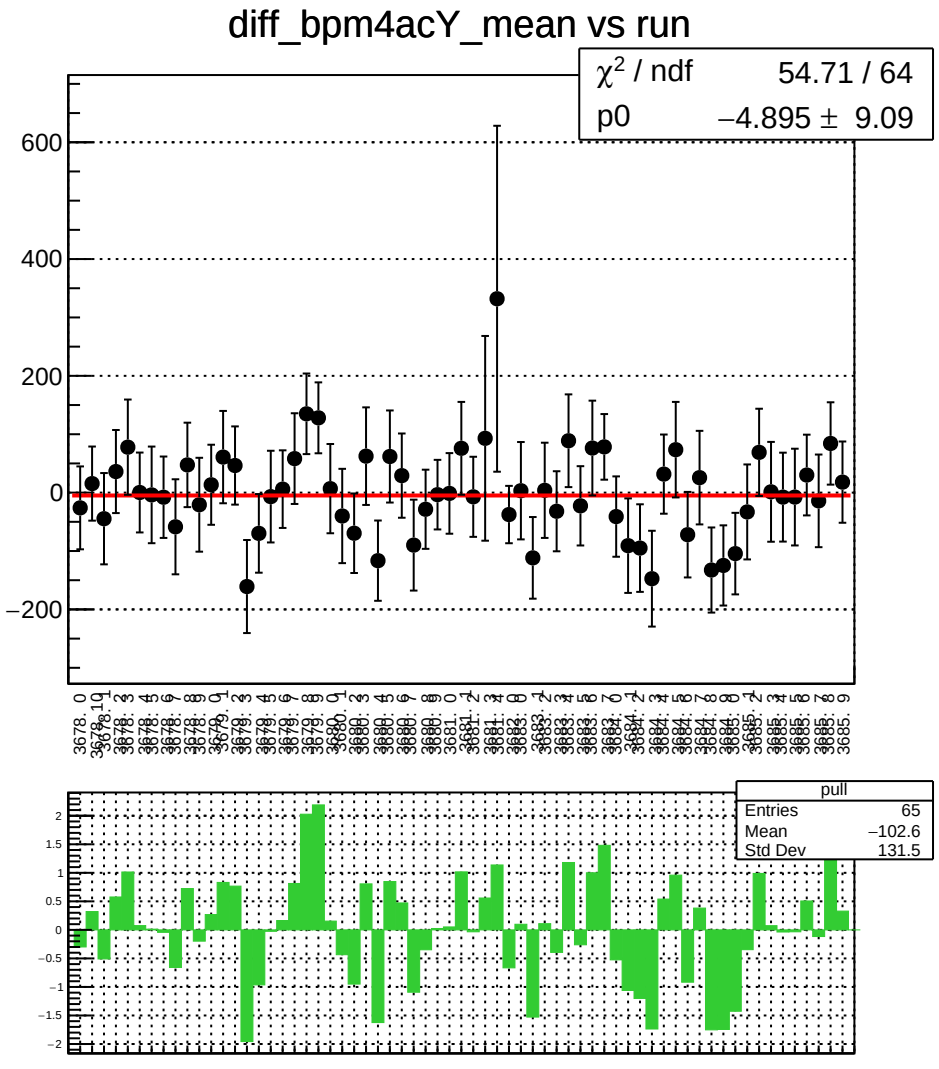

pull1D
Entries 65
Mean 0.01606
Std Dev 0.9332
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

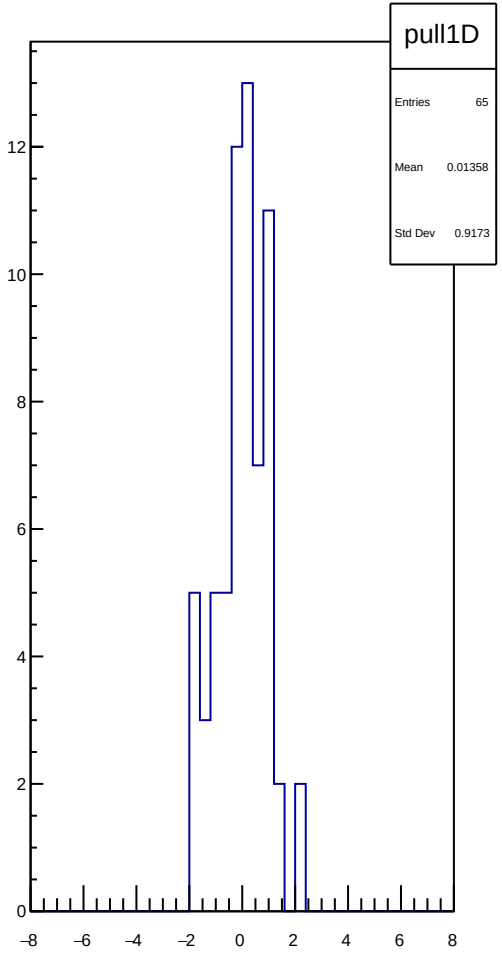

diff_bpm4eY_rms vs run
χ² / ndf 2.89e+04 / 64
p0 4458 ± 4.062
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000

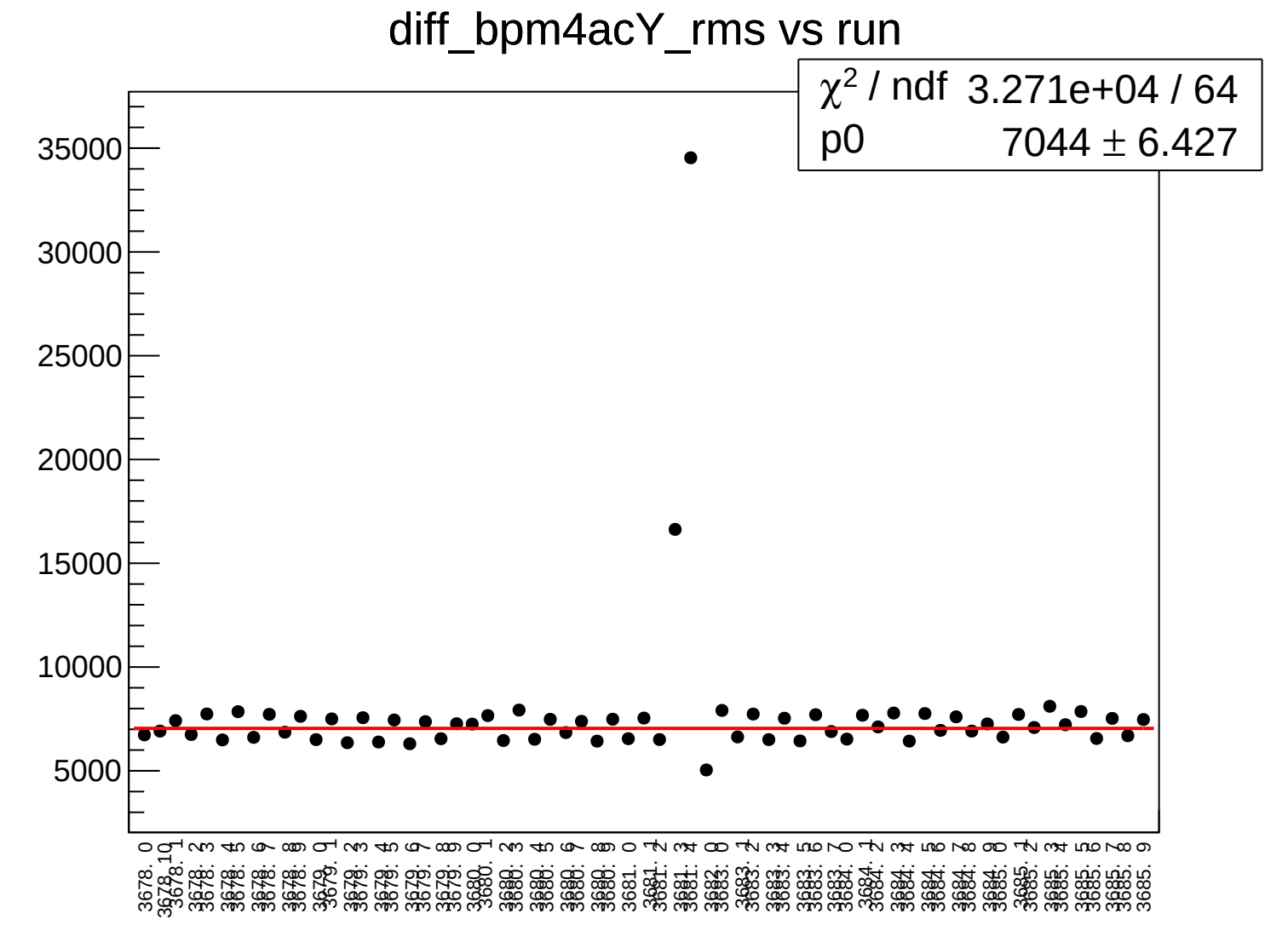

diff_bpm4acX_mean vs run
χ² / ndf 62.5 / 64
p0 −4.845 ± 3.215
100
50
0
−50
−100
pull
Entries 65
Mean 20.42
Std Dev 28.88
2
1
0
−1
−2

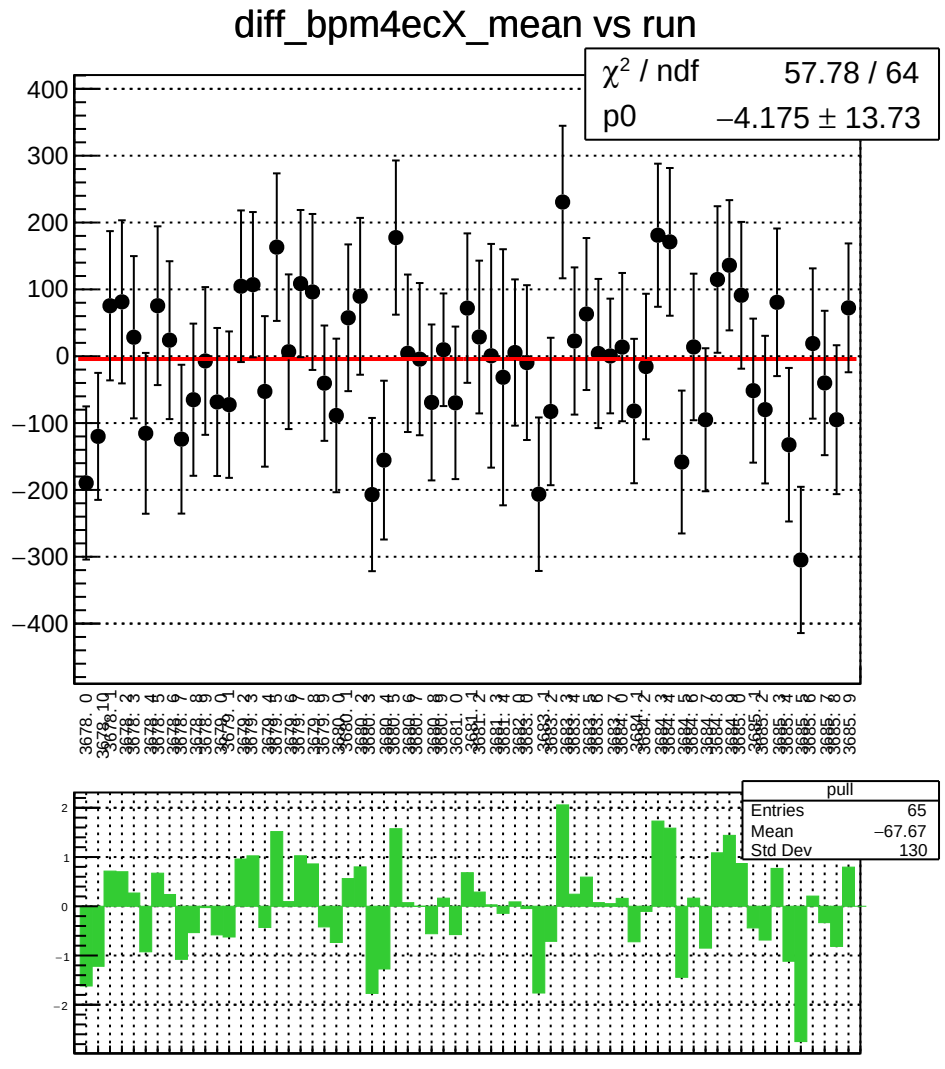

pull1D
Entries 65
Mean 0.01602
Std Dev 0.9804
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

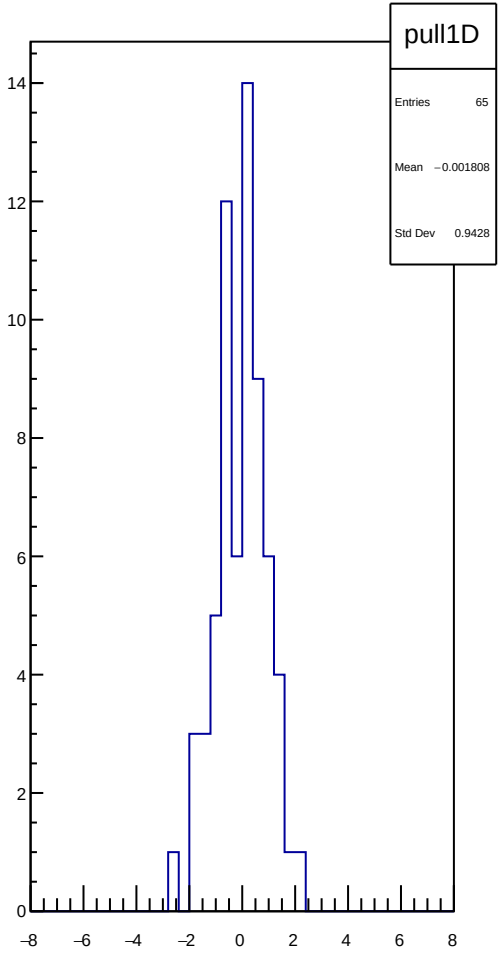

diff_bpm4acX_rms vs run
χ² / ndf 5525 / 64
p0 2519 ± 2.273
4400
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

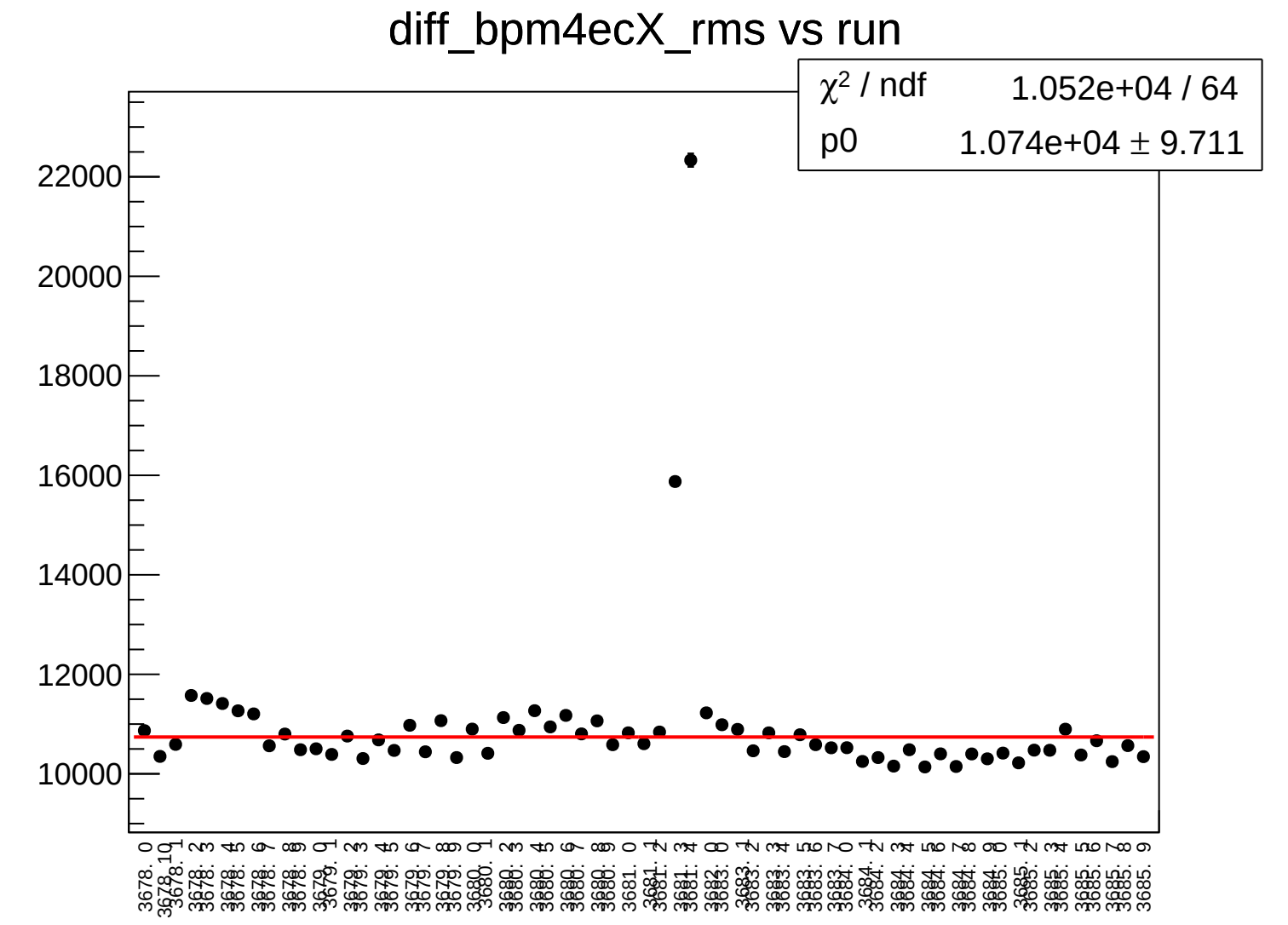

diff_bpm4acY_mean vs run
χ² / ndf 54.71 / 64
p0 −4.895 ± 9.09
pull
Entries 65
Mean −102.6
Std Dev 131.5

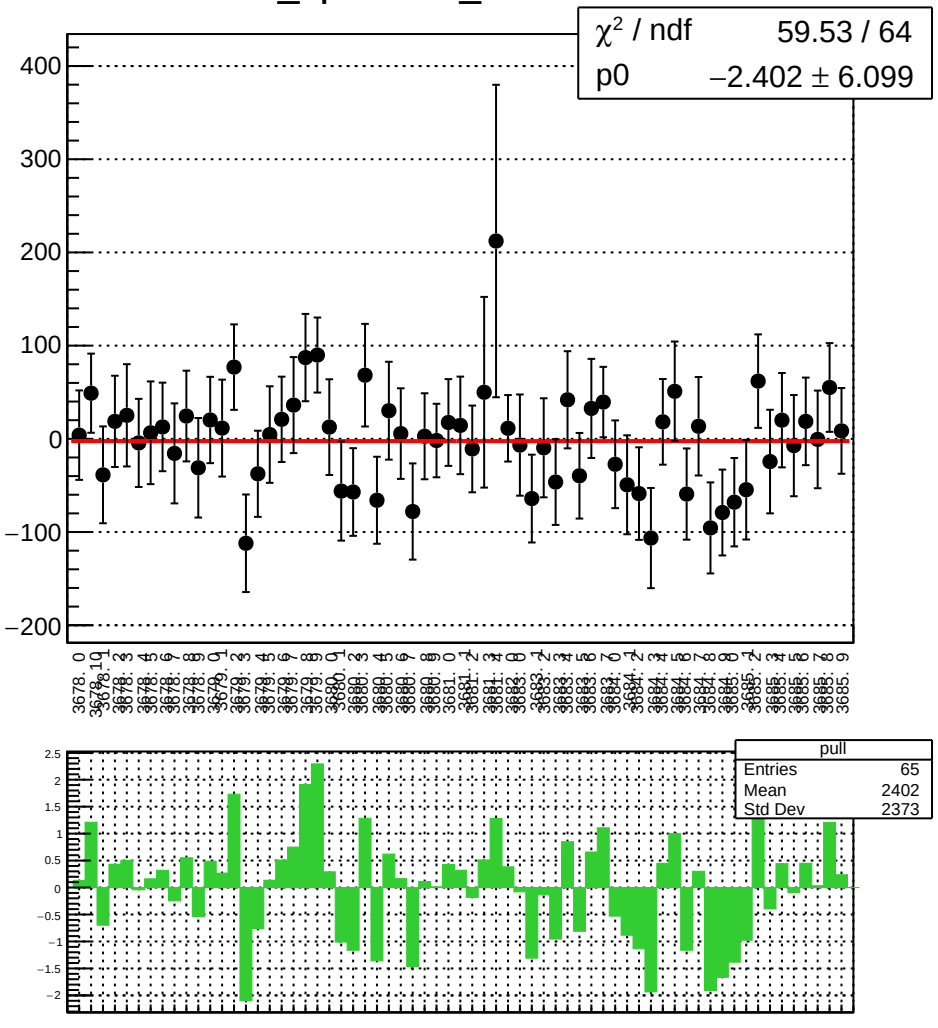

pull1D
Entries 65
Mean 0.01358
Std Dev 0.9173

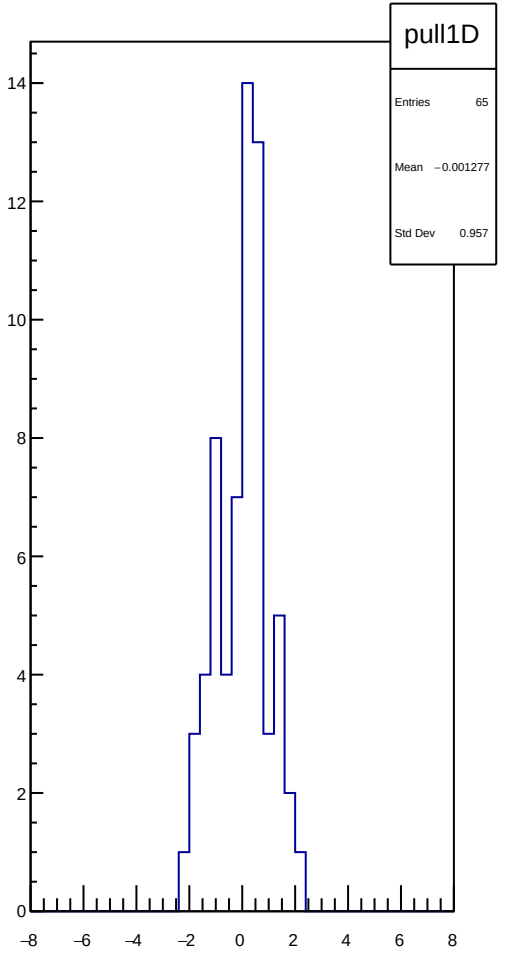

diff_bpm4acY_rms vs run
χ² / ndf 3.271e+04 / 64
p0 7044 ± 6.427
35000
30000
25000
20000
15000
10000
5000

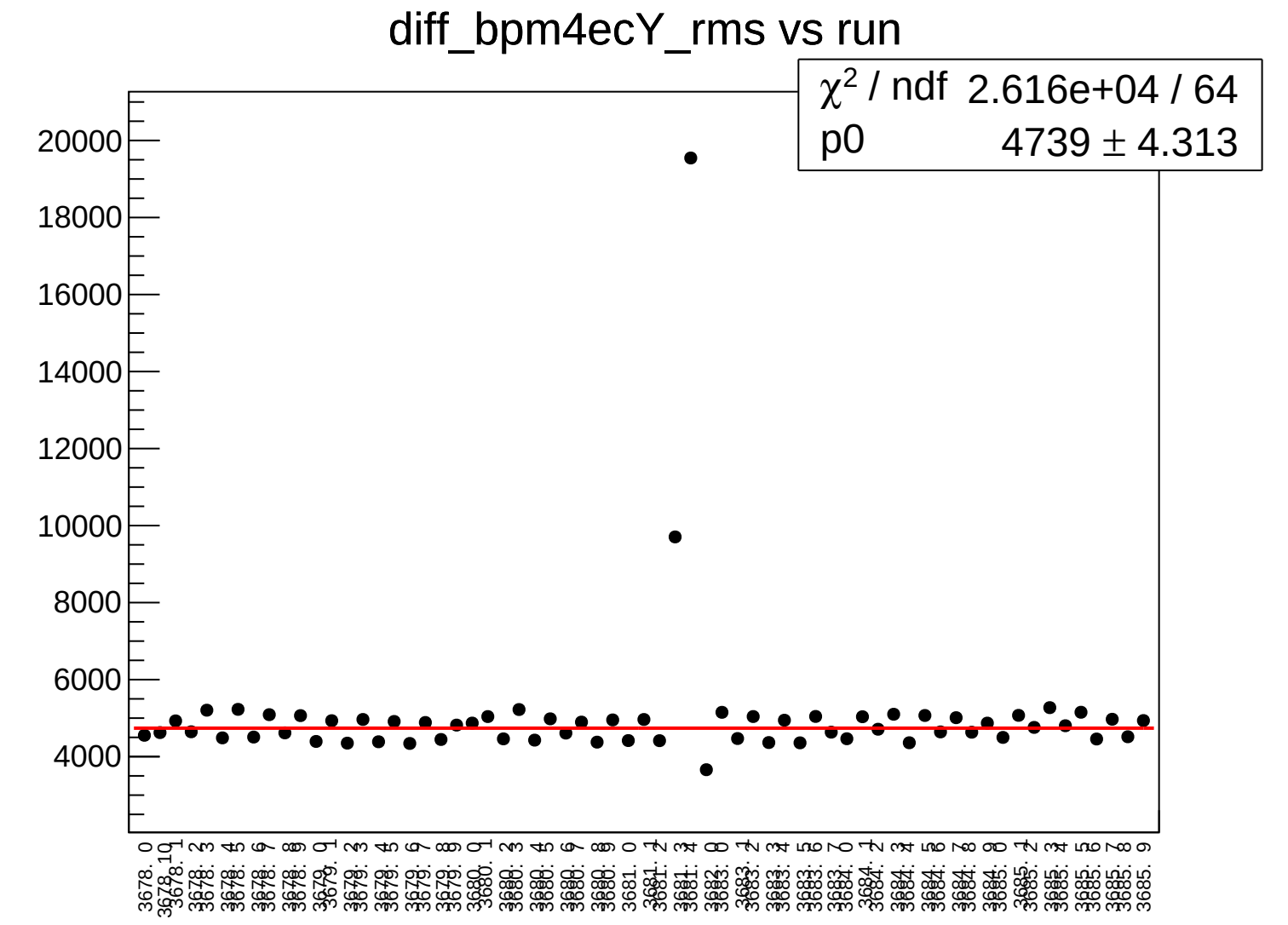

diff_bpm4ecX_mean vs run
χ² / ndf 57.78 / 64
p0 −4.175 ± 13.73
pull
Entries 65
Mean −67.67
Std Dev 130

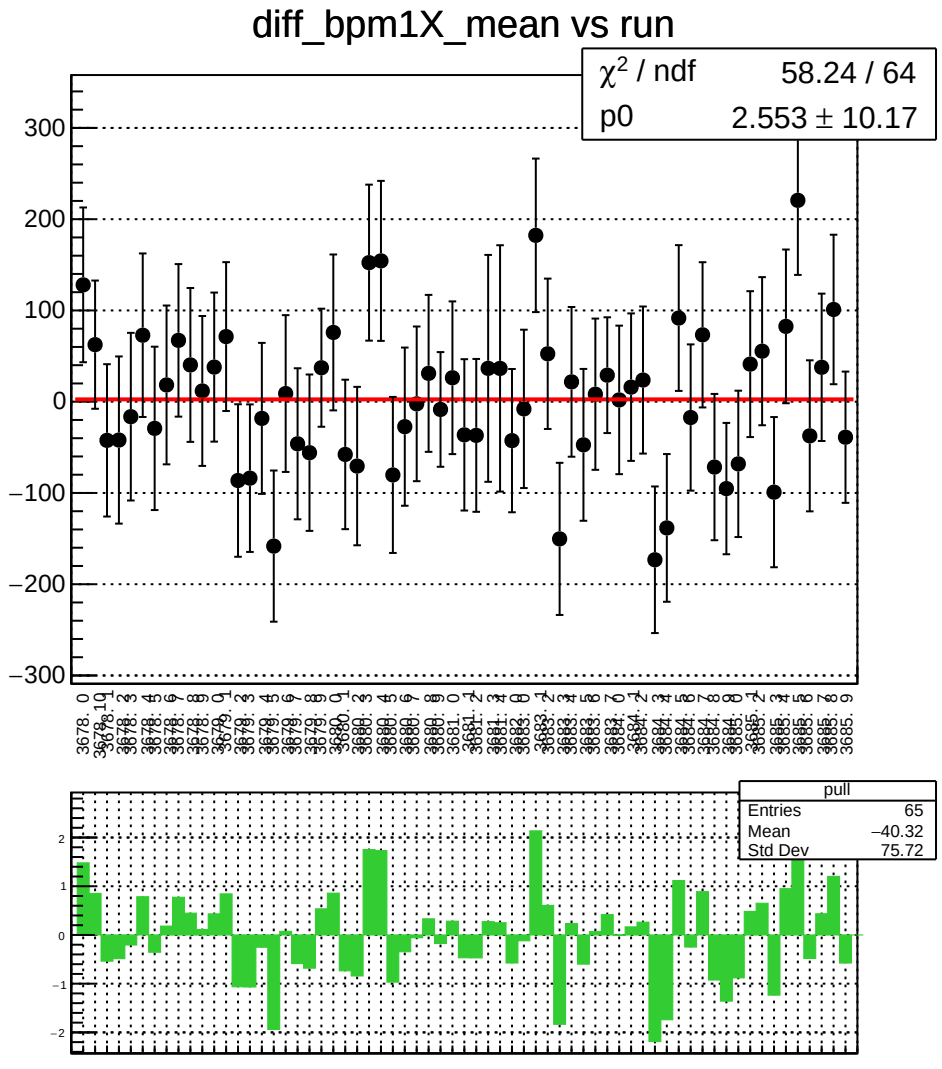

pull1D
Entries 65
Mean −0.001808
Std Dev 0.9428

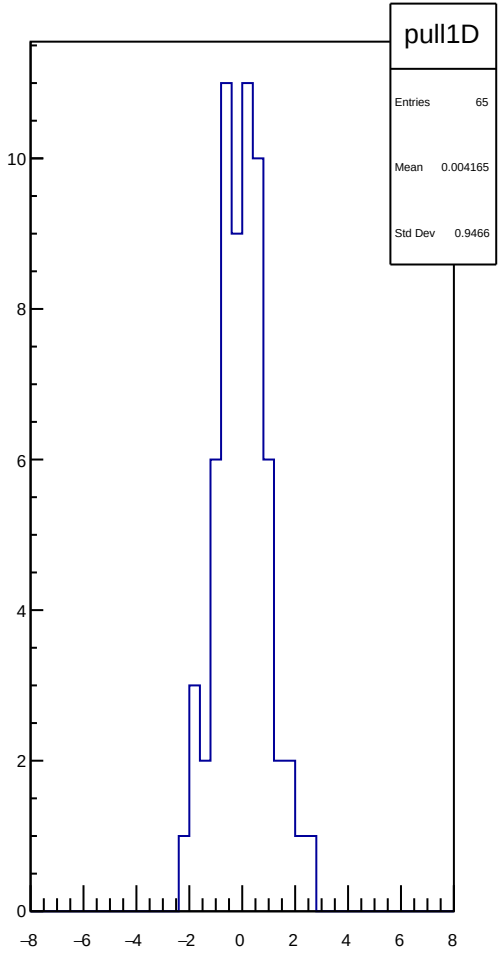

diff_bpm4ecX_rms vs run
χ² / ndf 1.052e+04 / 64
p0 1.074e+04 ± 9.711
22000
20000
18000
16000
14000
12000
10000

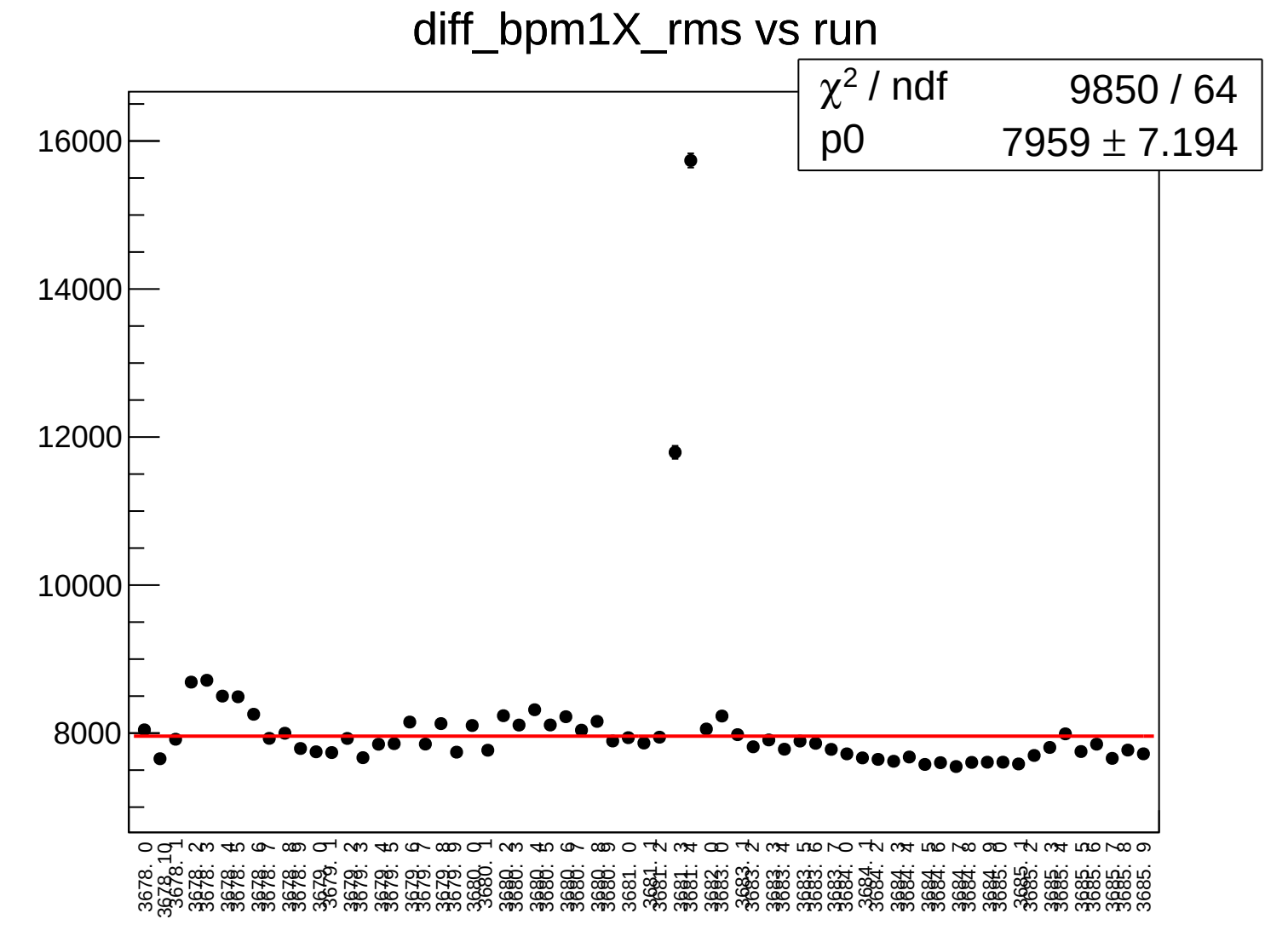

diff_bpm4ecY_mean vs run
χ² / ndf 59.53 / 64
p0 −2.402 ± 6.099
pull
Entries 65
Mean 2402
Std Dev 2373

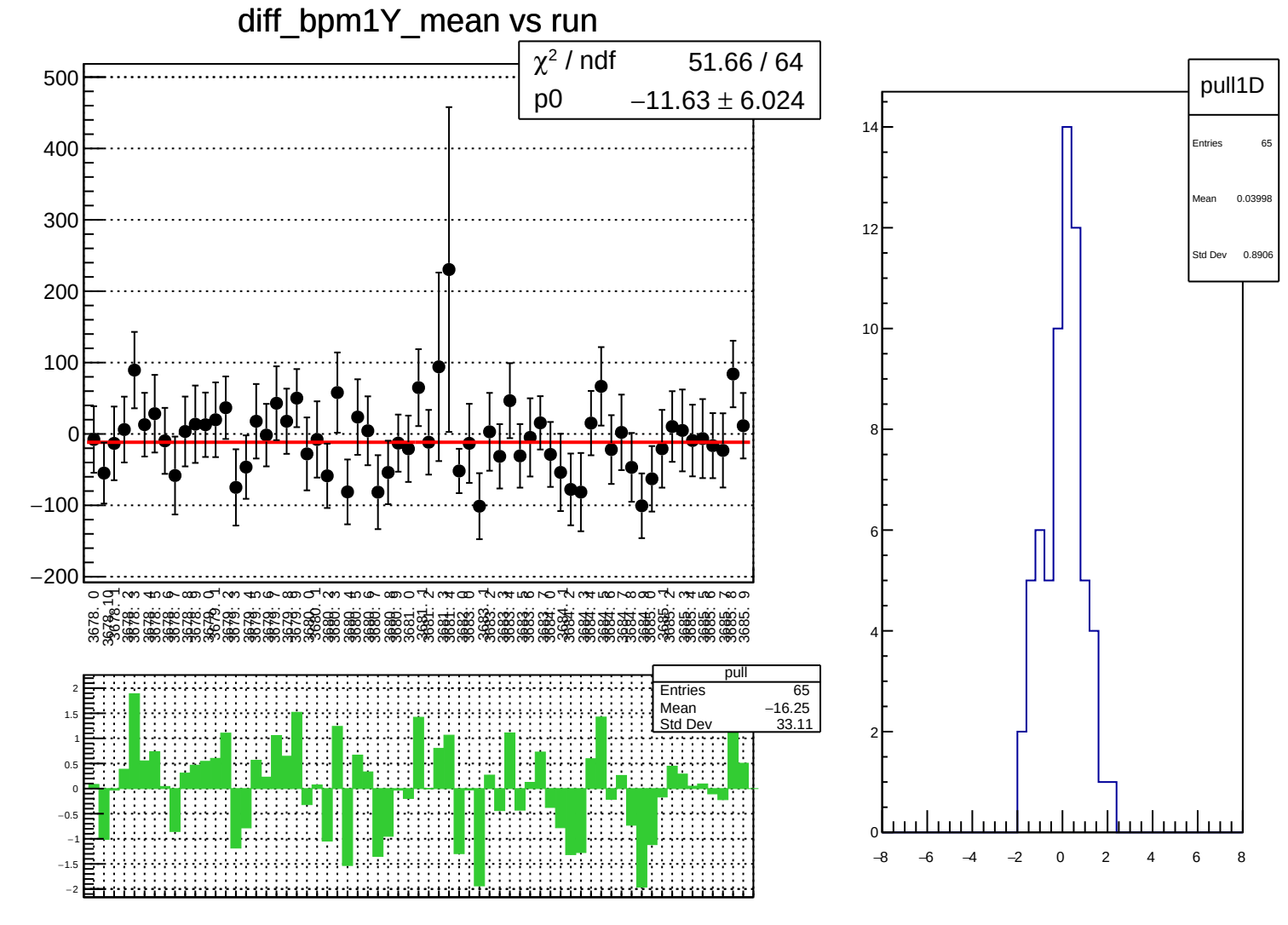

pull1D
Entries 65
Mean −0.001277
Std Dev 0.957

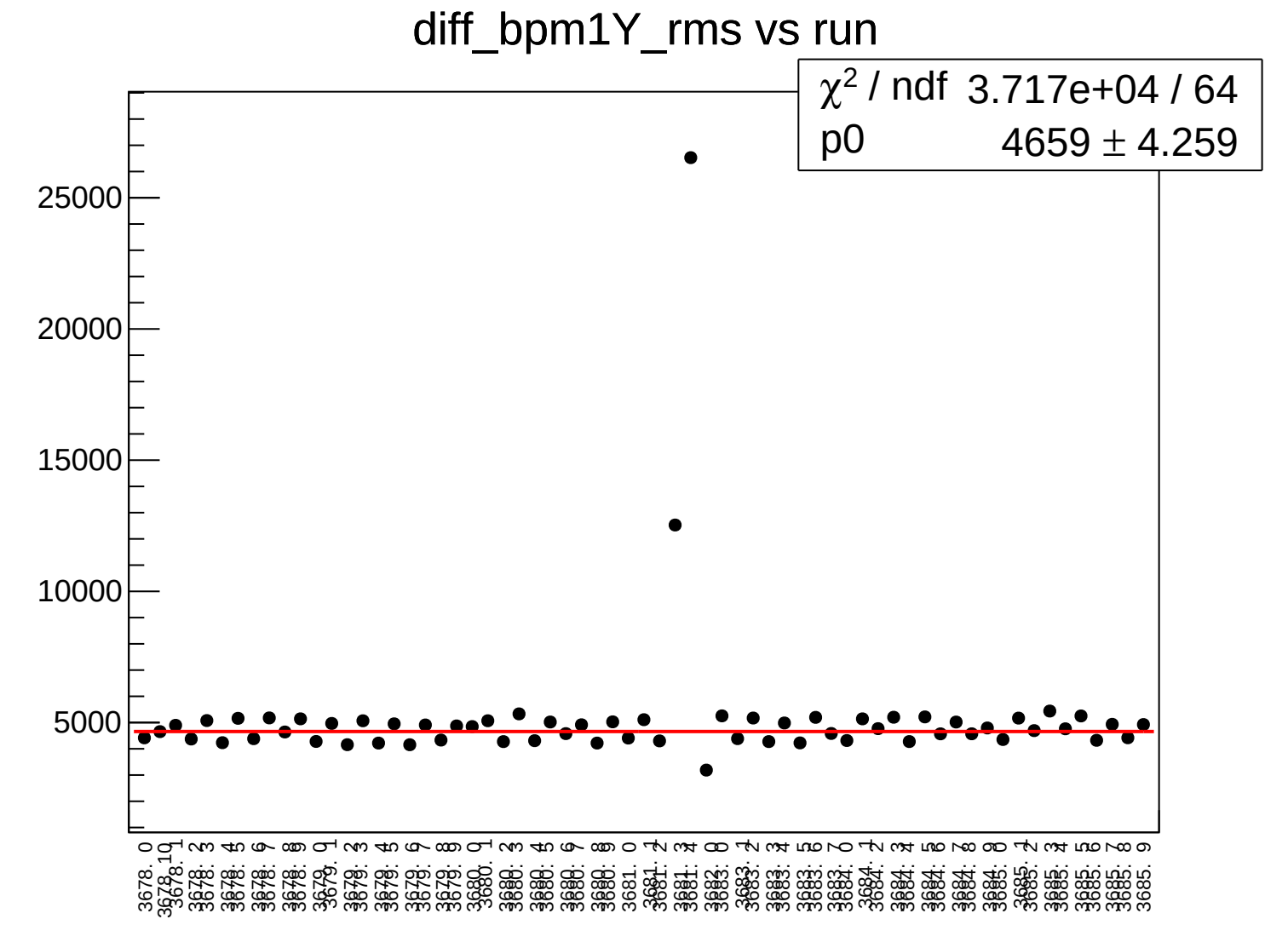

diff_bpm4ecY_rms vs run
χ² / ndf 2.616e+04 / 64
p0 4739 ± 4.313
20000
18000
16000
14000
12000
10000
8000
6000
4000

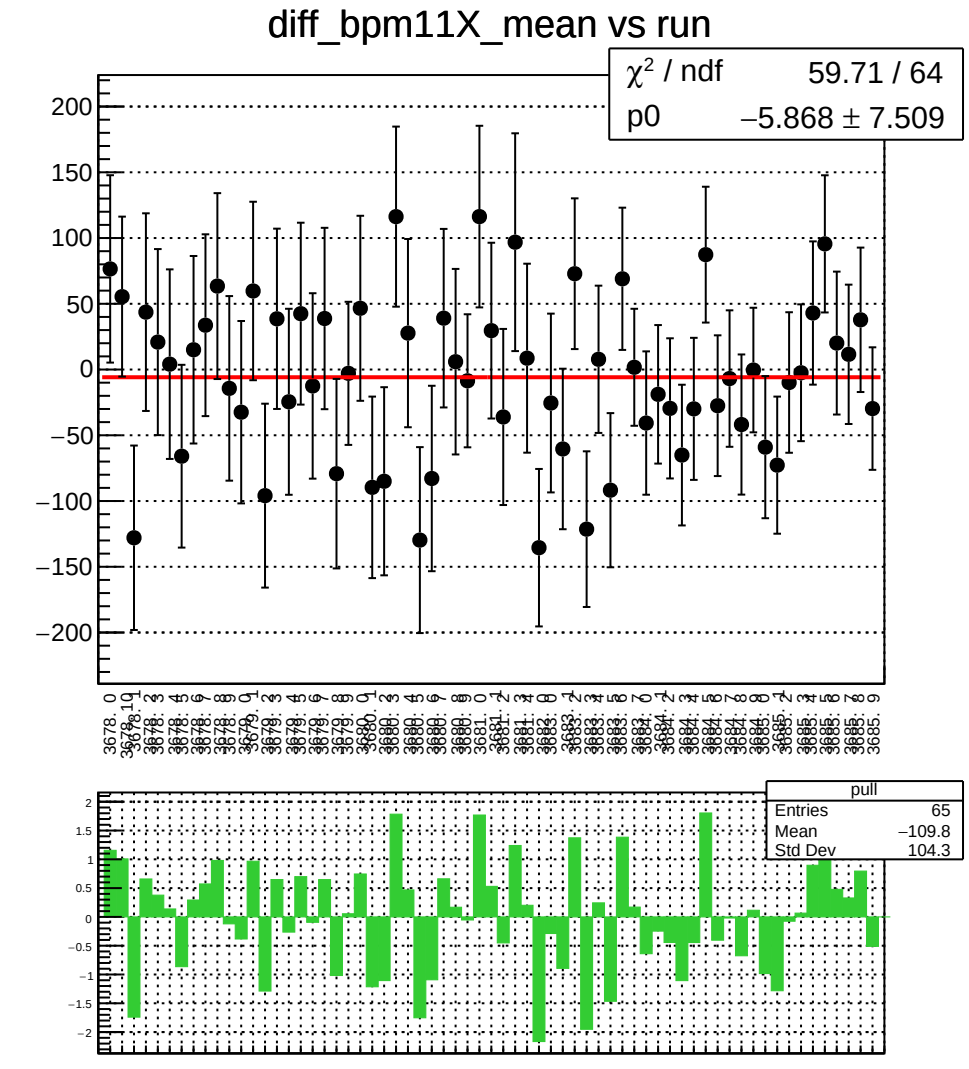

diff_bpm1X_mean vs run
χ² / ndf 58.24 / 64
p0 2.553 ± 10.17
pull
Entries 65
Mean −40.32
Std Dev 75.72

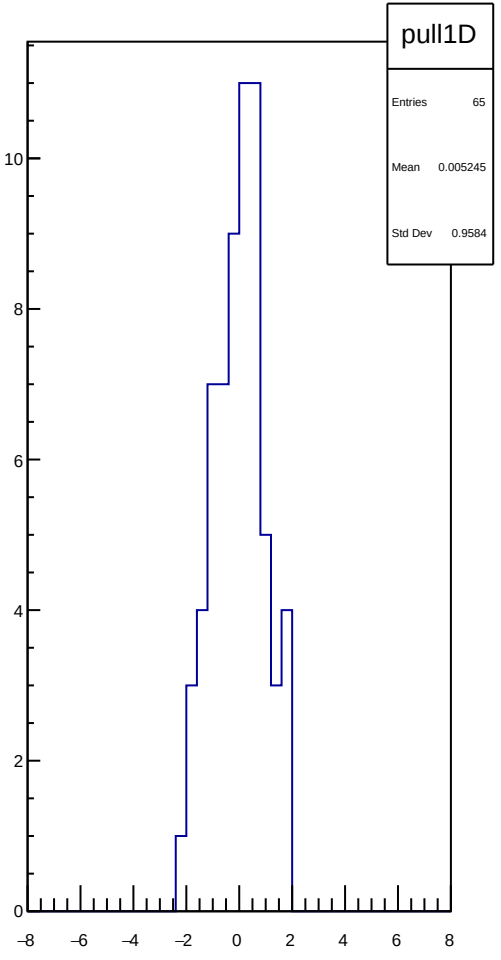

pull1D
Entries 65
Mean 0.004165
Std Dev 0.9466

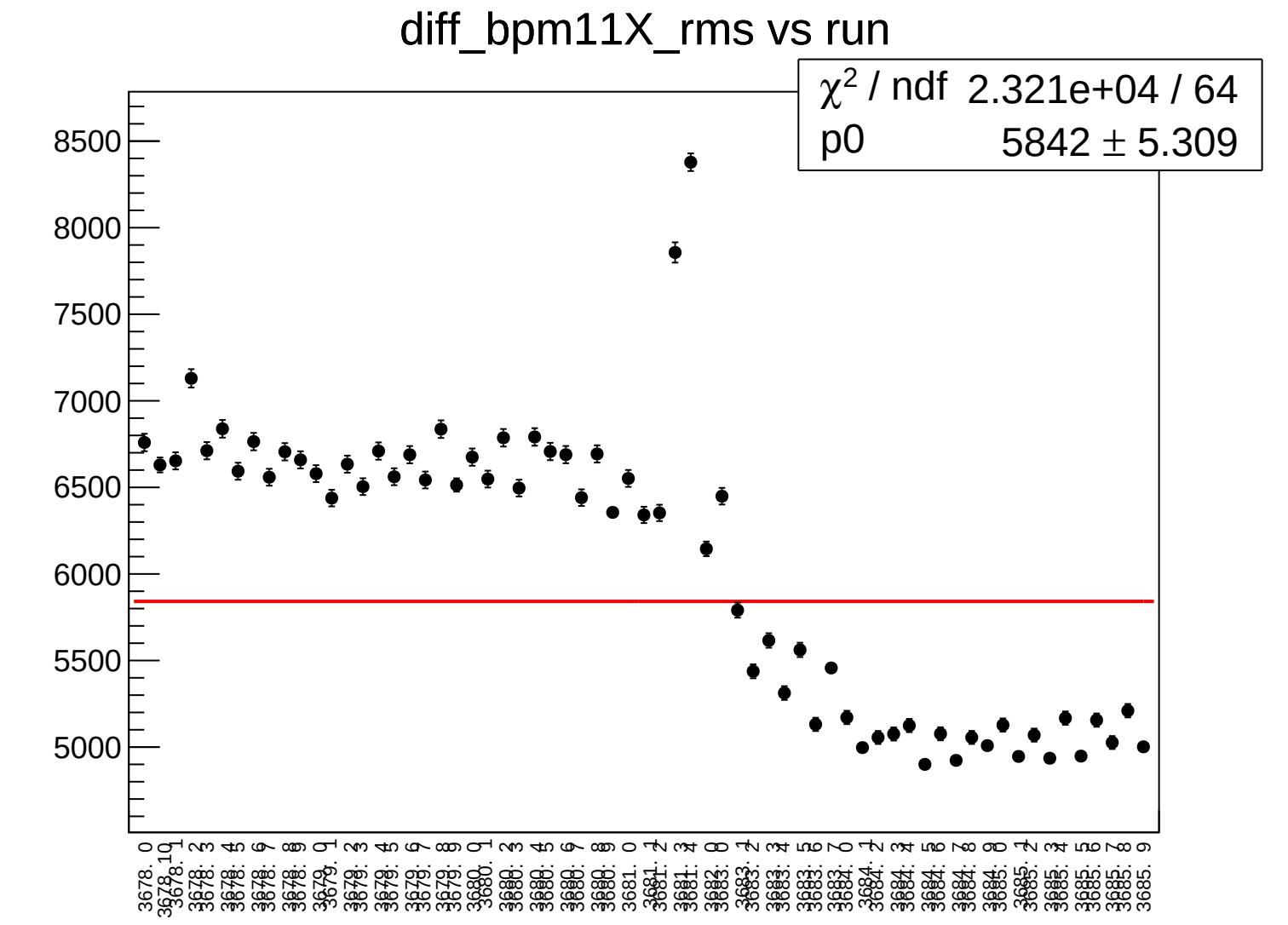

diff_bpm1X_rms vs run
χ² / ndf 9850 / 64
p0 7959 ± 7.194
16000
14000
12000
10000
8000

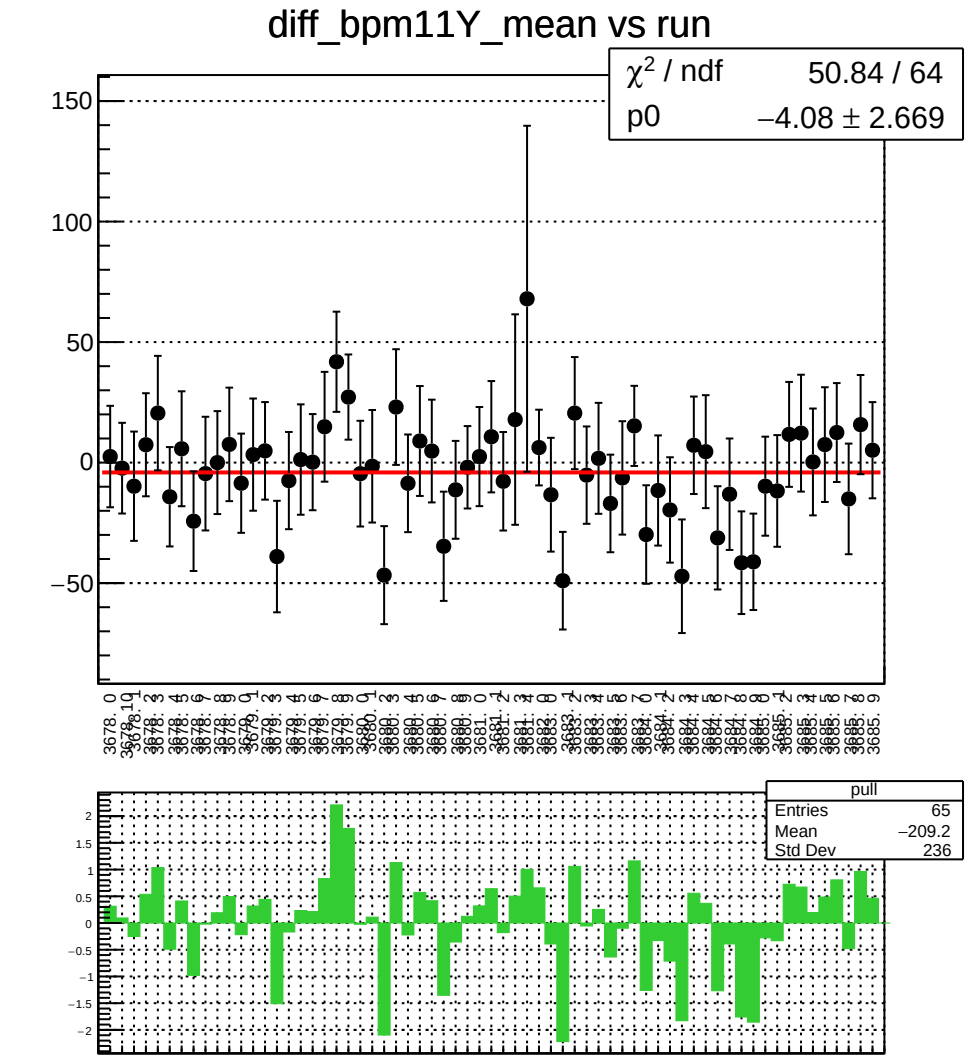

diff_bpm1Y_mean vs run
χ² / ndf 51.66 / 64
p0 −11.63 ± 6.024
pull
Entries 65
Mean −16.25
Std Dev 33.11
pull1D
Entries 65
Mean 0.03998
Std Dev 0.8906

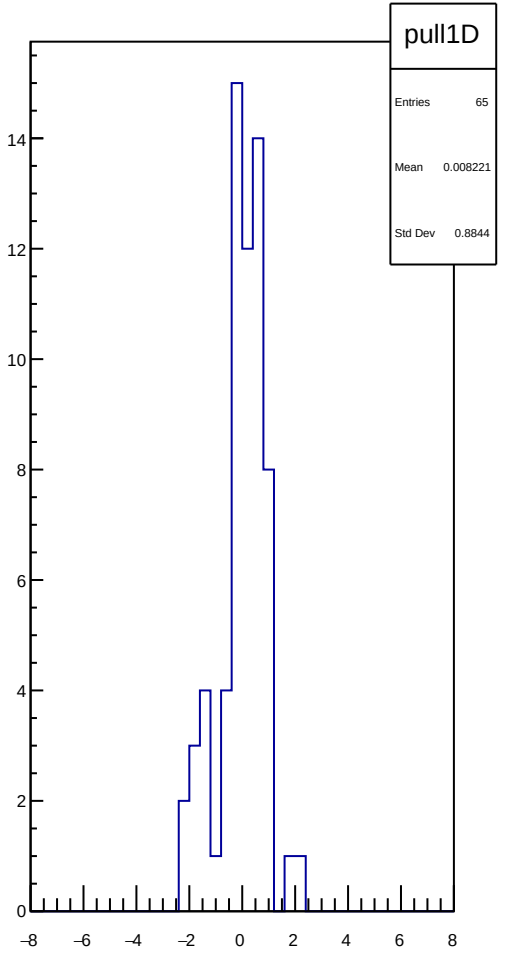

diff_bpm1Y_rms vs run
χ² / ndf 3.717e+04 / 64
p0 4659 ± 4.259
25000
20000
15000
10000
5000

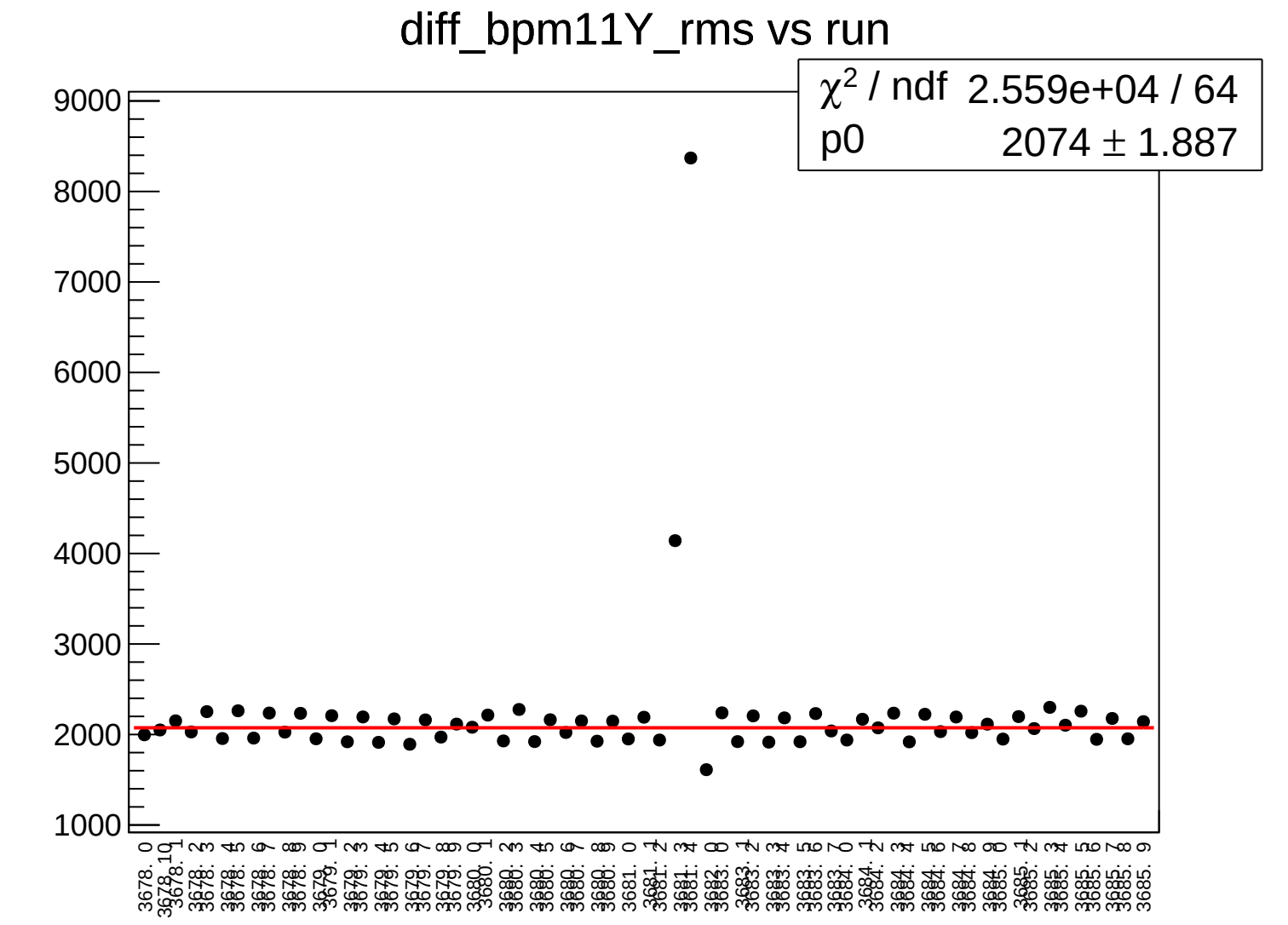

diff_bpm11X_mean vs run
χ² / ndf 59.71 / 64
p0 −5.868 ± 7.509
pull
Entries 65
Mean −109.8
Std Dev 104.3

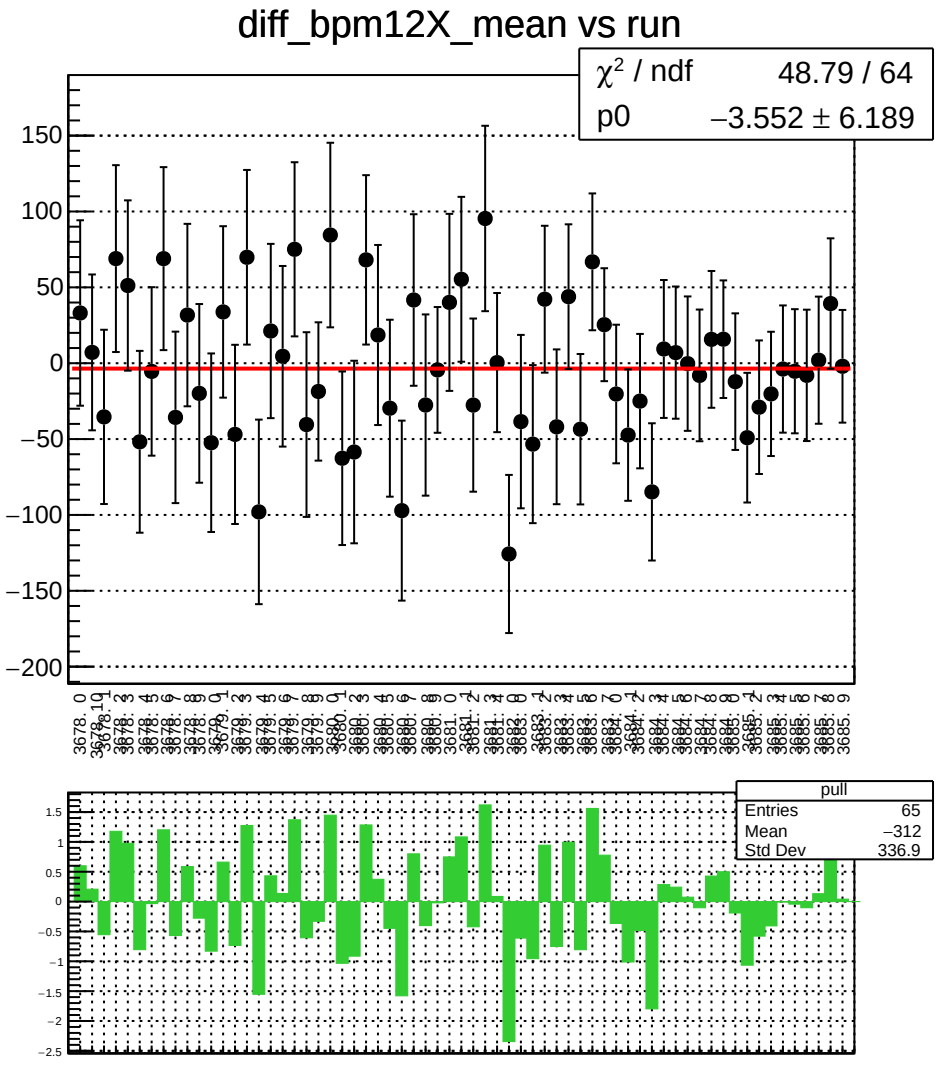

pull1D
Entries 65
Mean 0.005245
Std Dev 0.9584

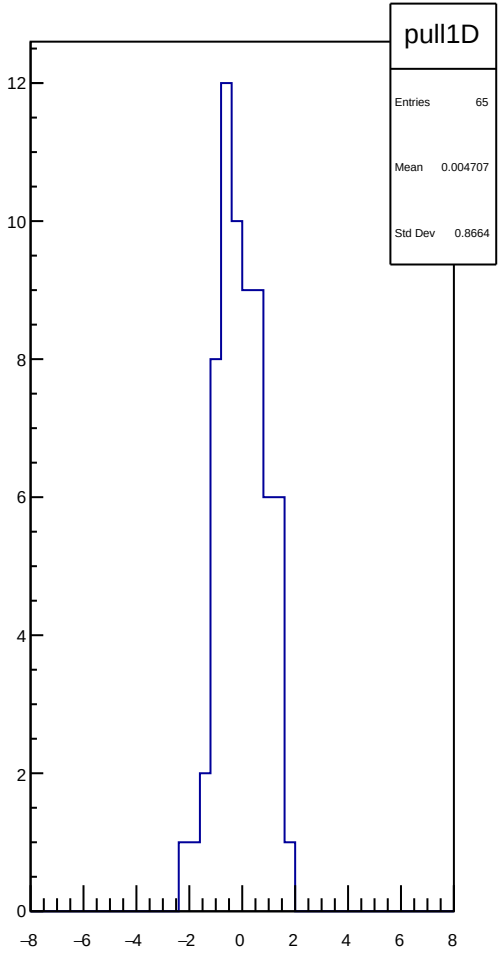

diff_bpm11X_rms vs run
χ² / ndf 2.321e+04 / 64
p0 5842 ± 5.309
8500
8000
7500
7000
6500
6000
5500
5000

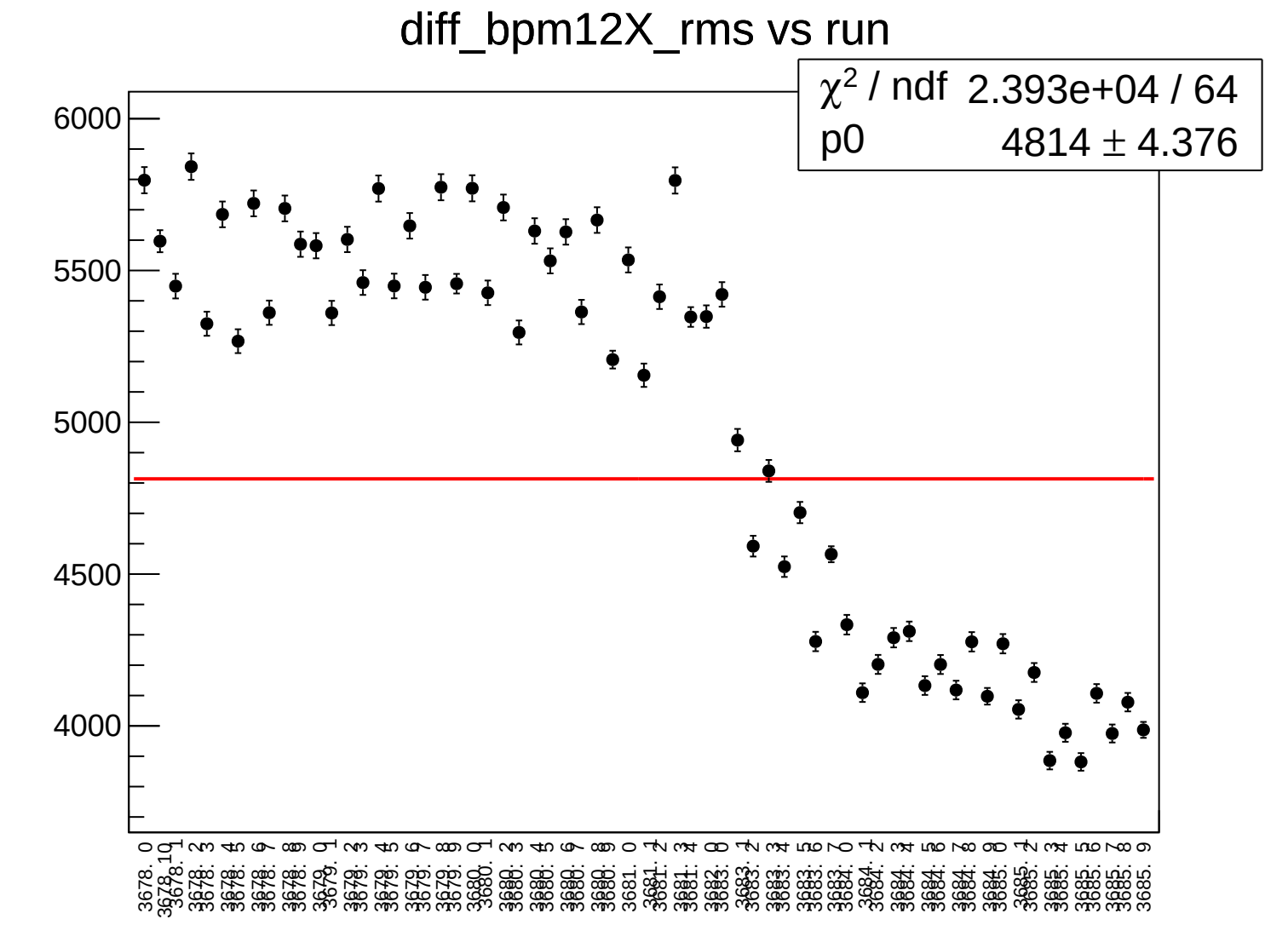

diff_bpm11Y_mean vs run
χ² / ndf 50.84 / 64
p0 −4.08 ± 2.669
150
100
50
0
−50
pull
Entries 65
Mean −209.2
Std Dev 236
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

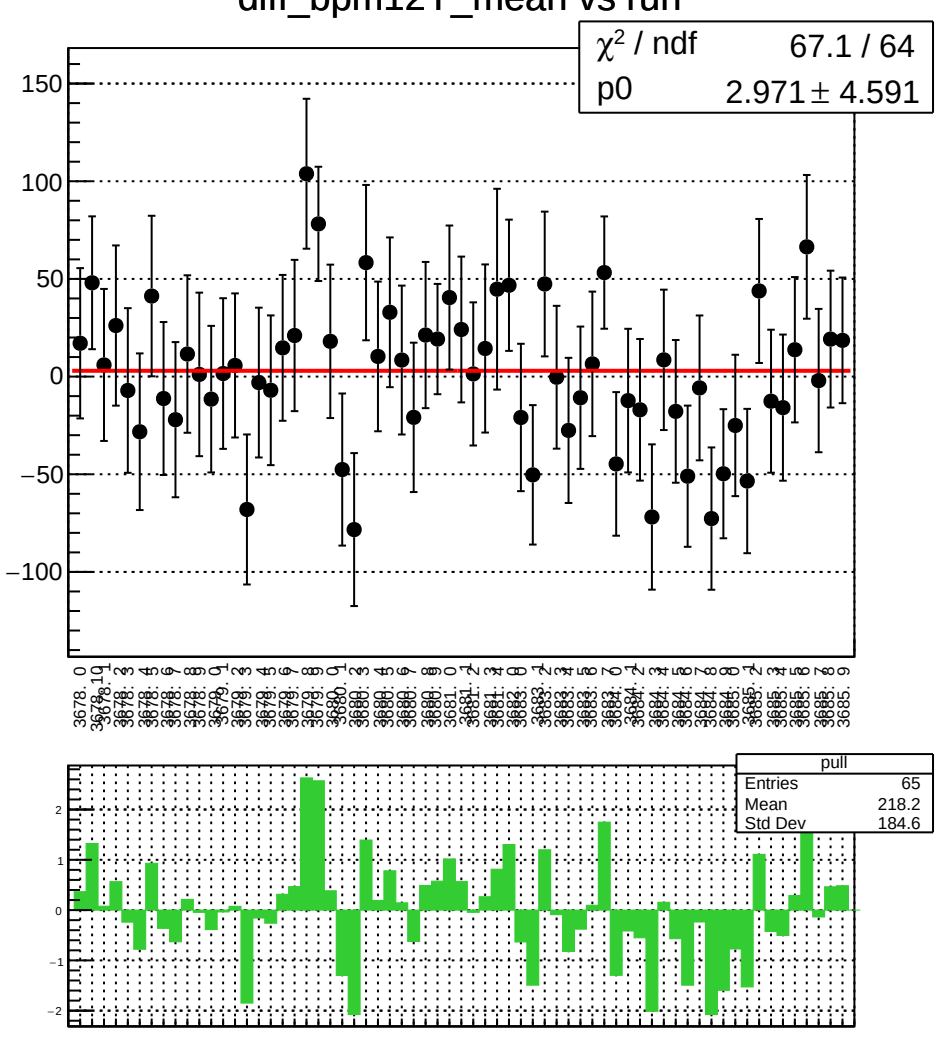

pull1D
Entries 65
Mean 0.008221
Std Dev 0.8844
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

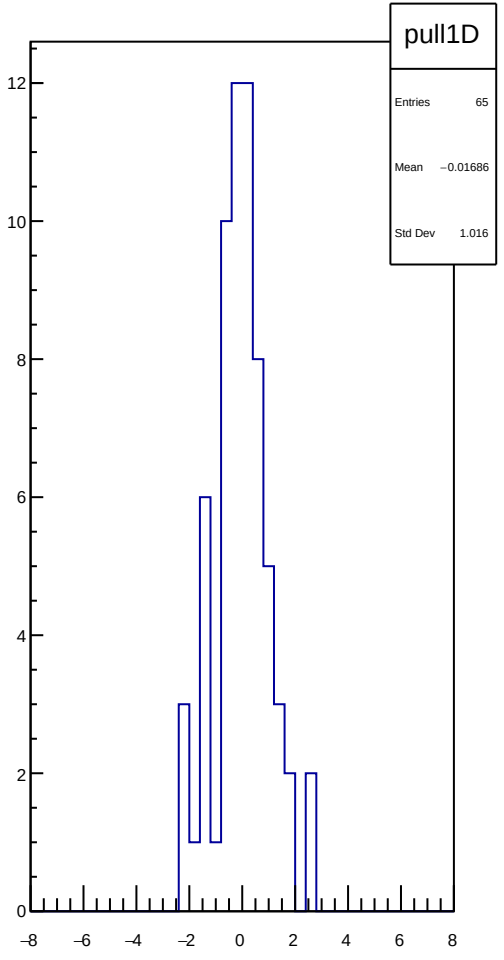

diff_bpm11Y_rms vs run
χ² / ndf 2.559e+04 / 64
p0 2074 ± 1.887
9000
8000
7000
6000
5000
4000
3000
2000
1000

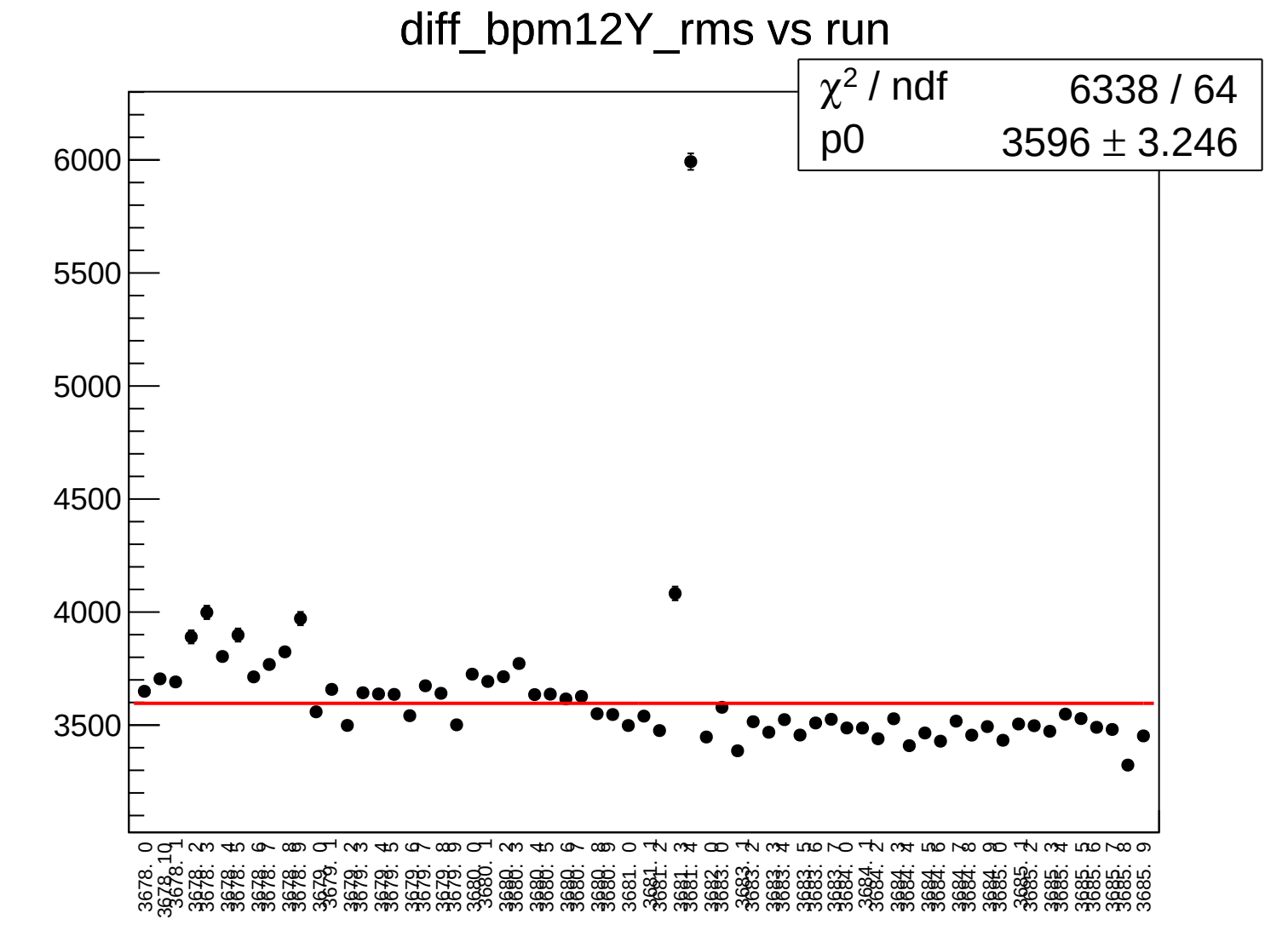

diff_bpm12X_mean vs run
χ² / ndf 48.79 / 64
p0 −3.552 ± 6.189
pull
Entries 65
Mean −312
Std Dev 336.9

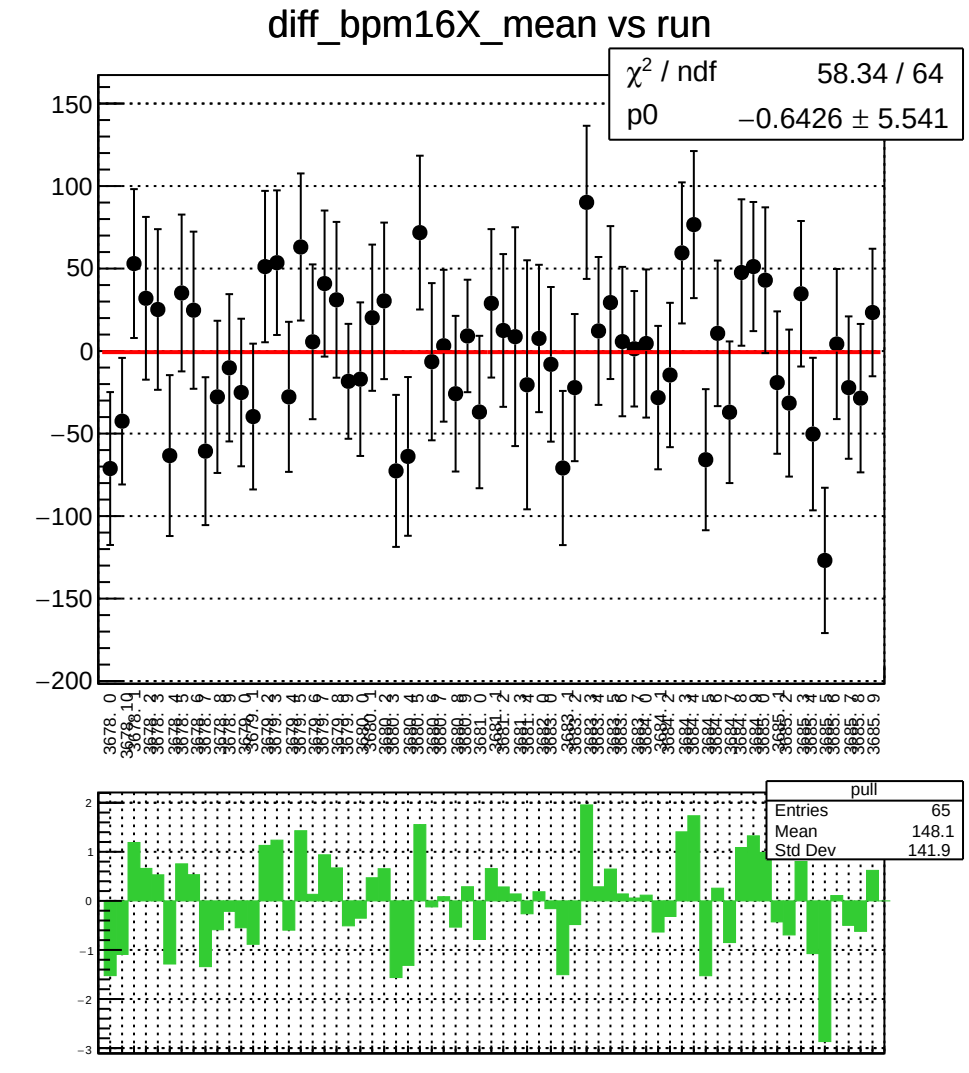

pull1D
Entries 65
Mean 0.004707
Std Dev 0.8664

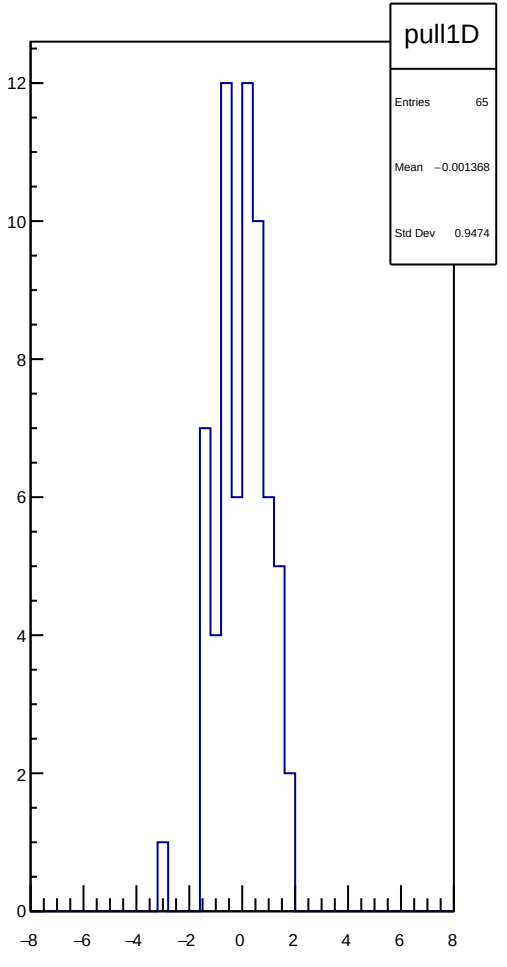

diff_bpm12X_rms vs run
χ² / ndf 2.393e+04 / 64
p0 4814 ± 4.376
6000
5500
5000
4500
4000

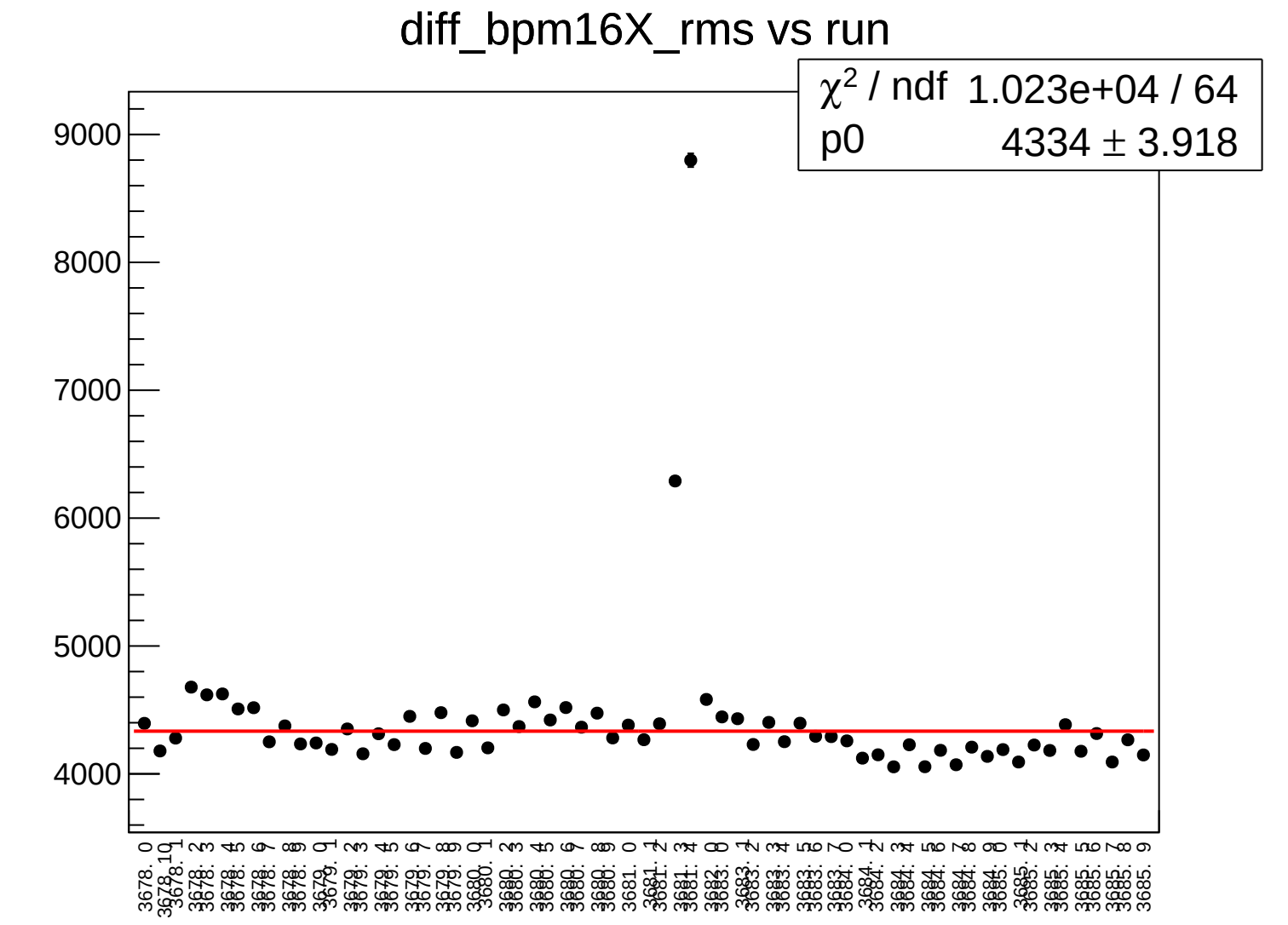

diff_bpm12Y_mean vs run
χ² / ndf 67.1 / 64
p0 2.971 ± 4.591
150
100
50
0
−50
−100
pull
Entries 65
Mean 218.2
Std Dev 184.6
2
1
0
−1
−2

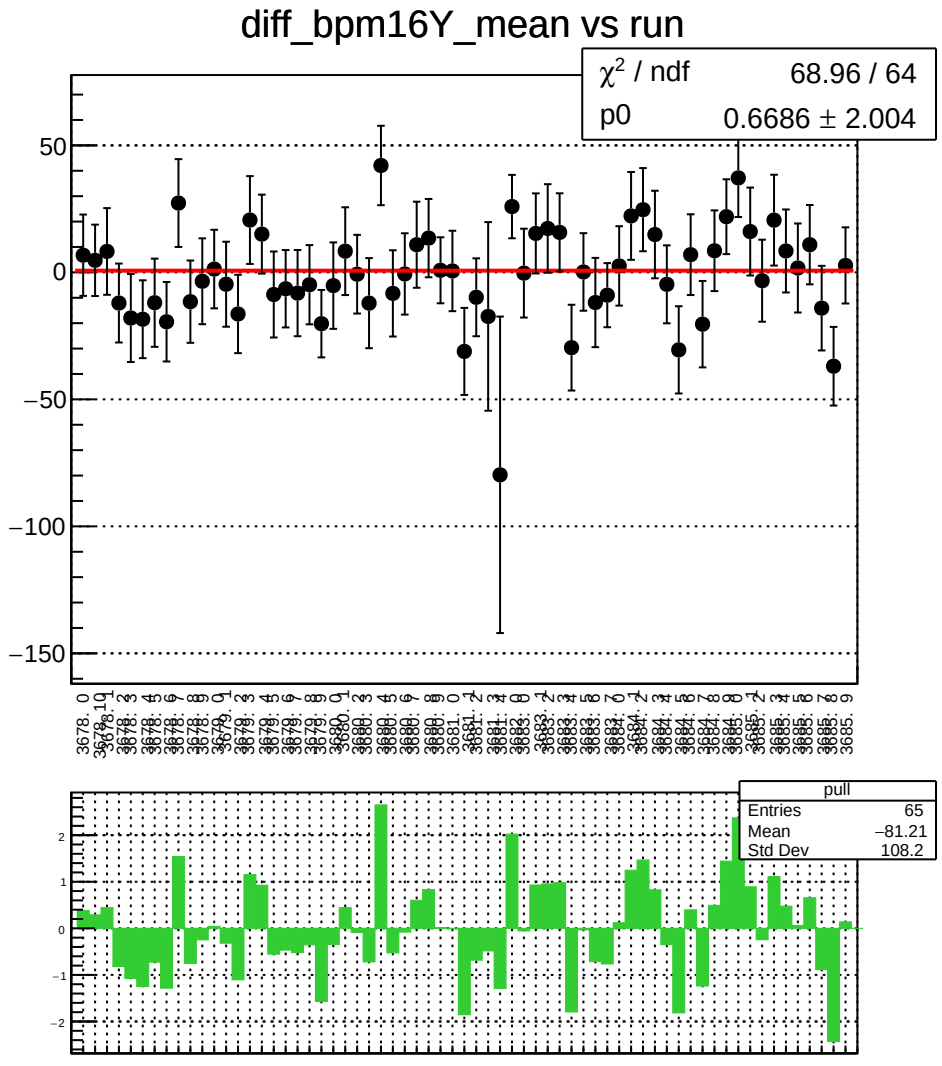

pull1D
Entries 65
Mean −0.01686
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

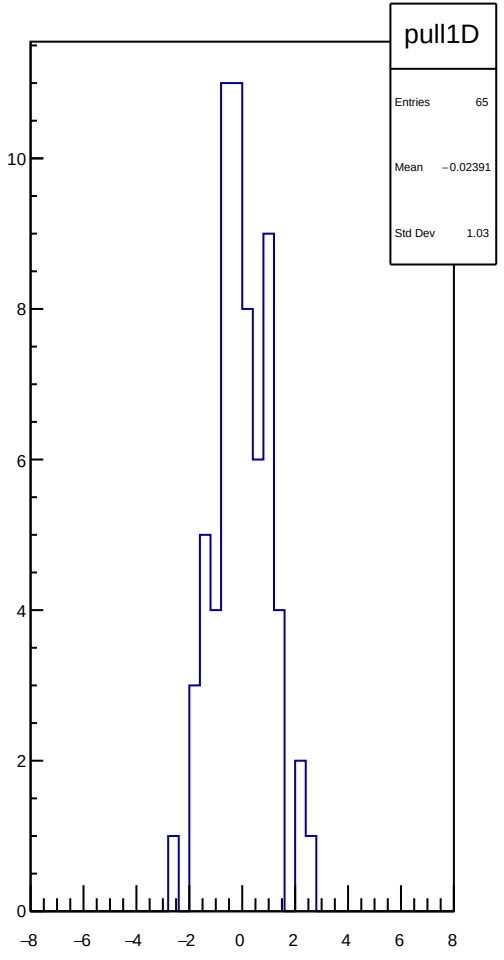

diff_bpm12Y_rms vs run
χ² / ndf 6338 / 64
p0 3596 ± 3.246
6000
5500
5000
4500
4000
3500

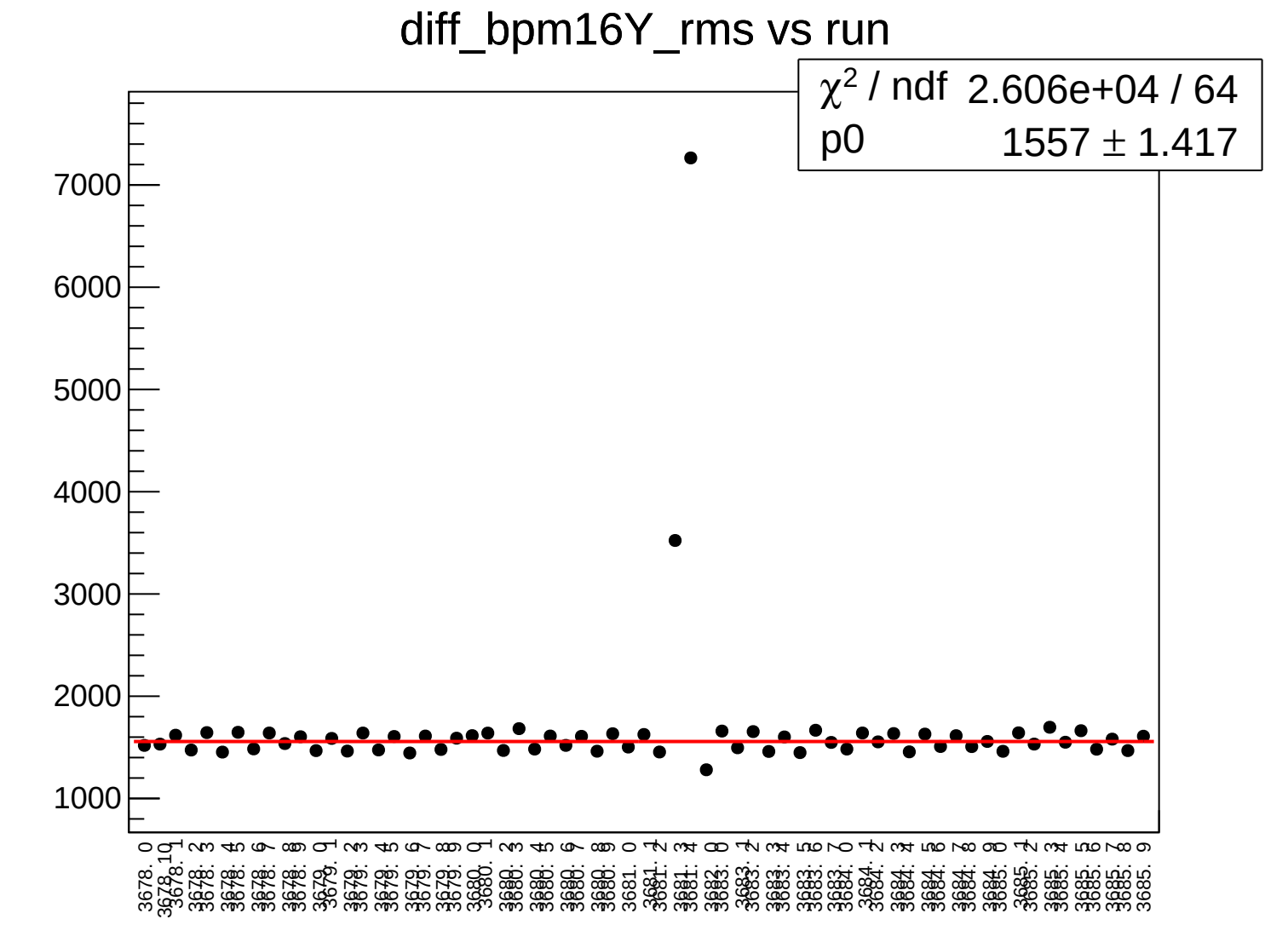

diff_bpm16X_mean vs run
χ² / ndf 58.34 / 64
p0 −0.6426 ± 5.541
pull
Entries 65
Mean 148.1
Std Dev 141.9

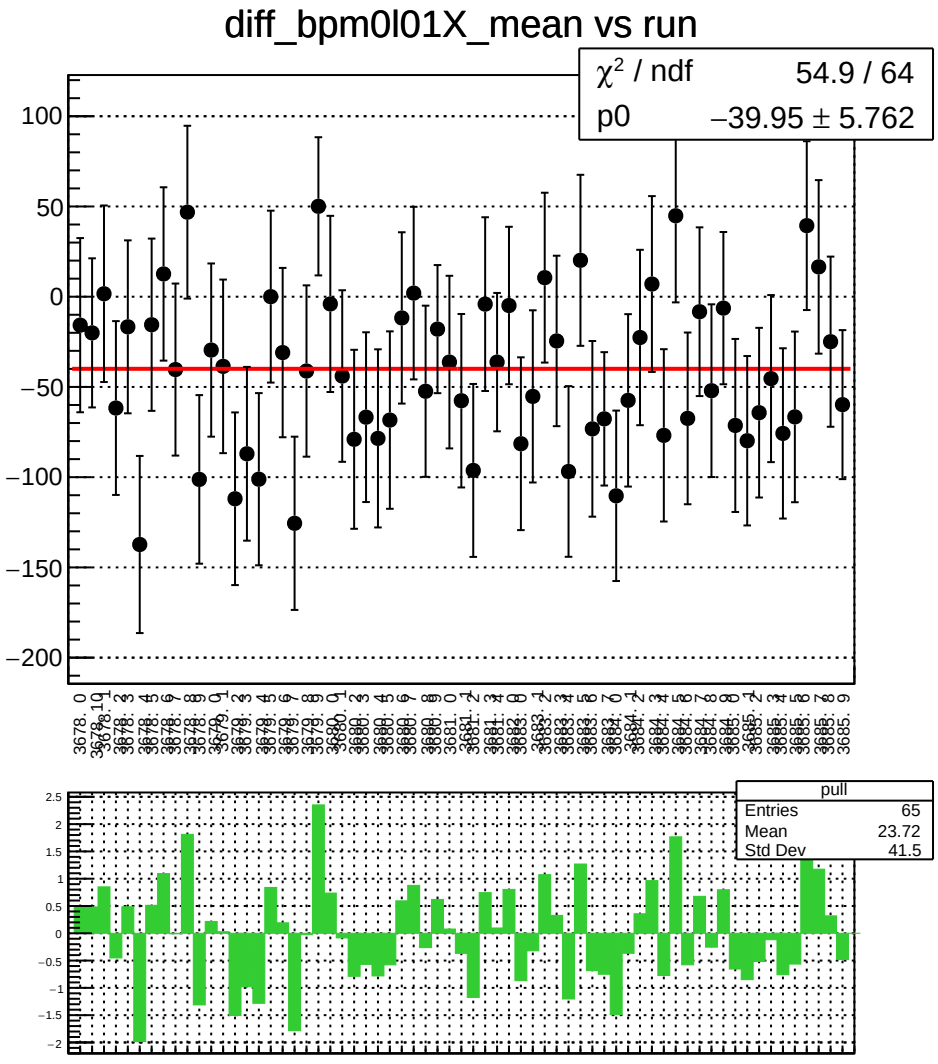

pull1D
Entries 65
Mean −0.001368
Std Dev 0.9474

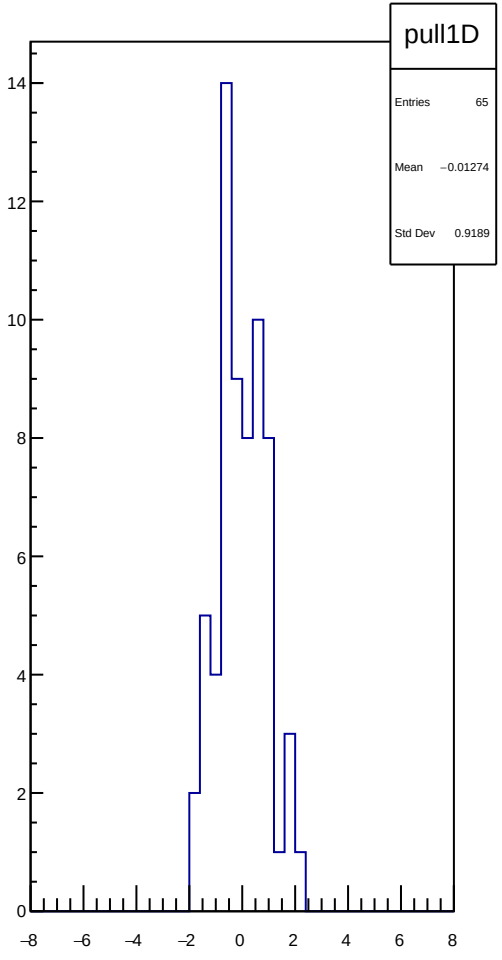

diff_bpm16X_rms vs run
χ² / ndf 1.023e+04 / 64
p0 4334 ± 3.918
9000
8000
7000
6000
5000
4000

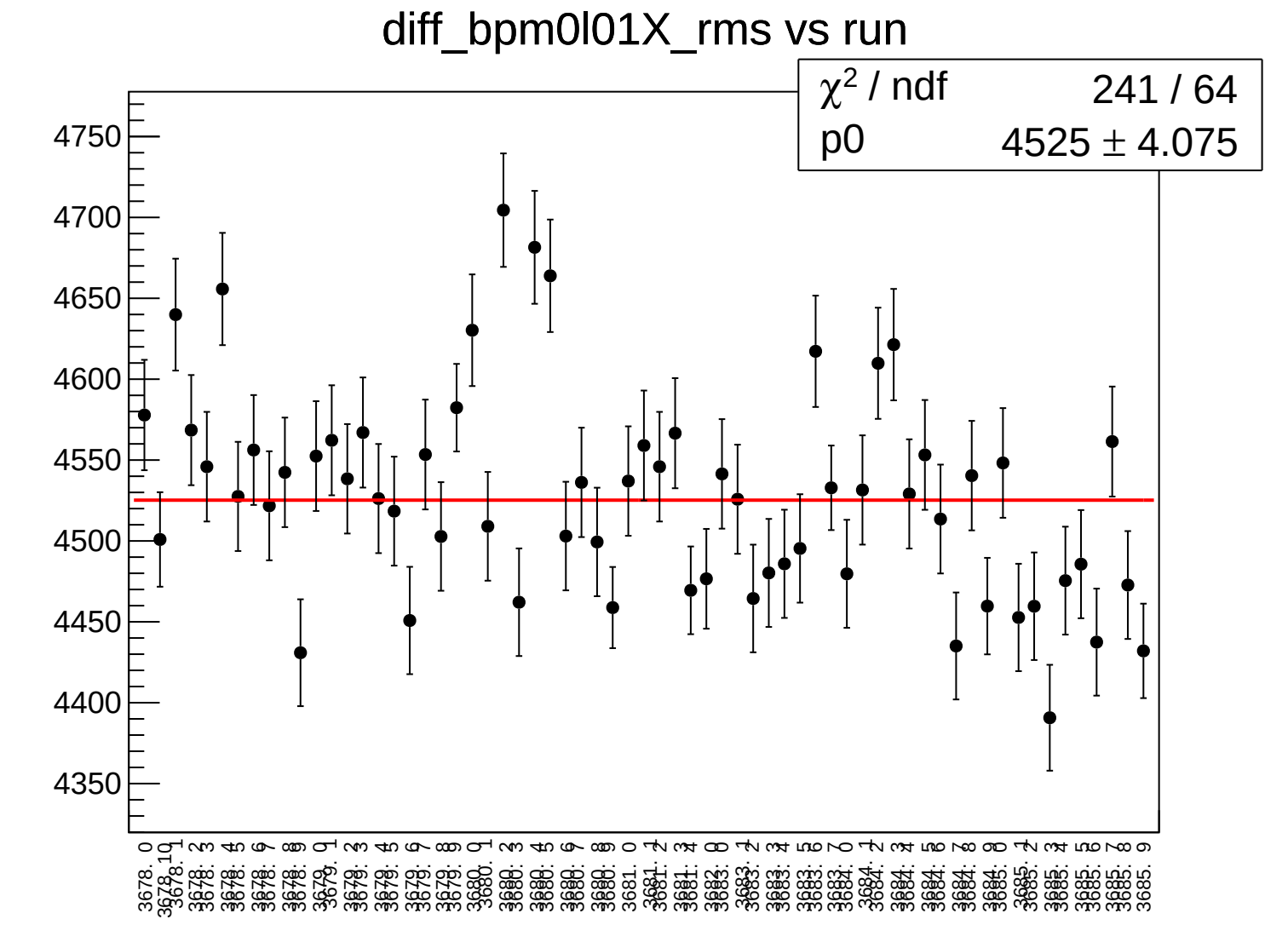

diff_bpm16Y_mean vs run
χ² / ndf 68.96 / 64
p0 0.6686 ± 2.004
50
0
−50
−100
−150
pull
Entries 65
Mean −81.21
Std Dev 108.2
2
1
0
−1
−2

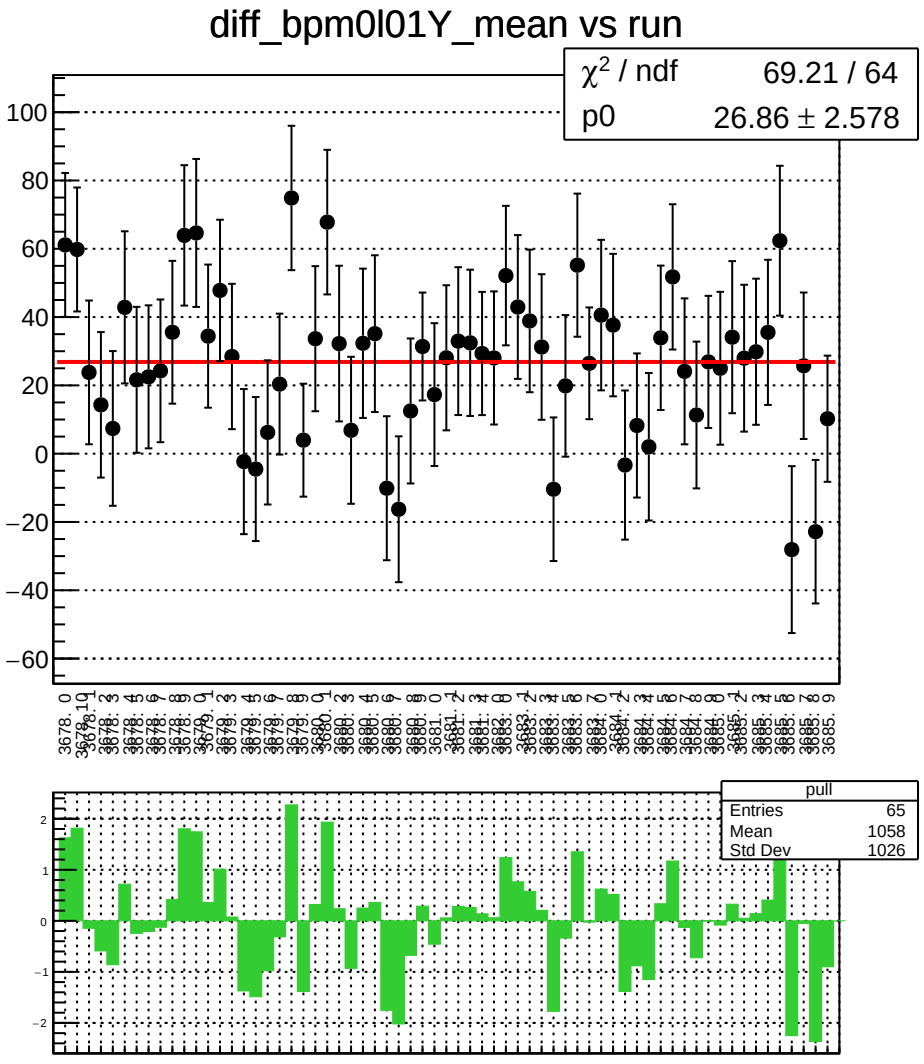

pull1D
Entries 65
Mean −0.02391
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

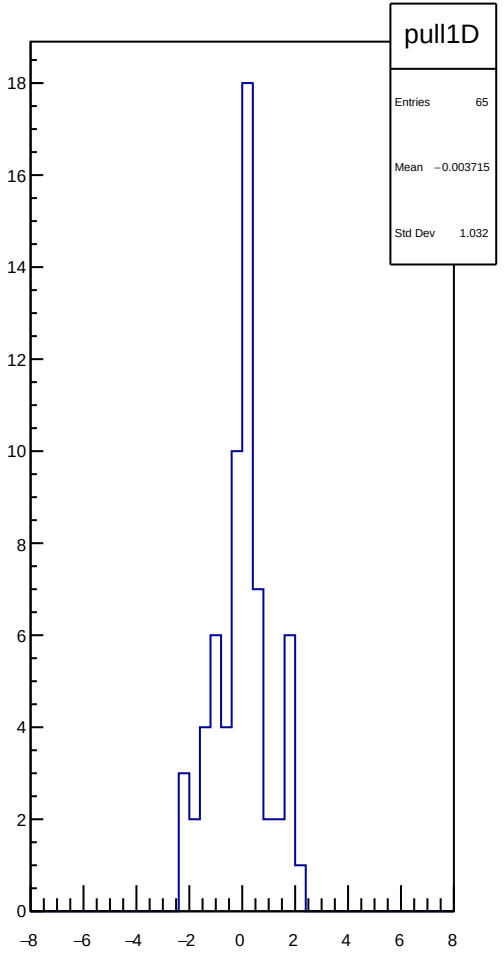

diff_bpm16Y_rms vs run
χ² / ndf 2.606e+04 / 64
p0 1557 ± 1.417
7000
6000
5000
4000
3000
2000
1000

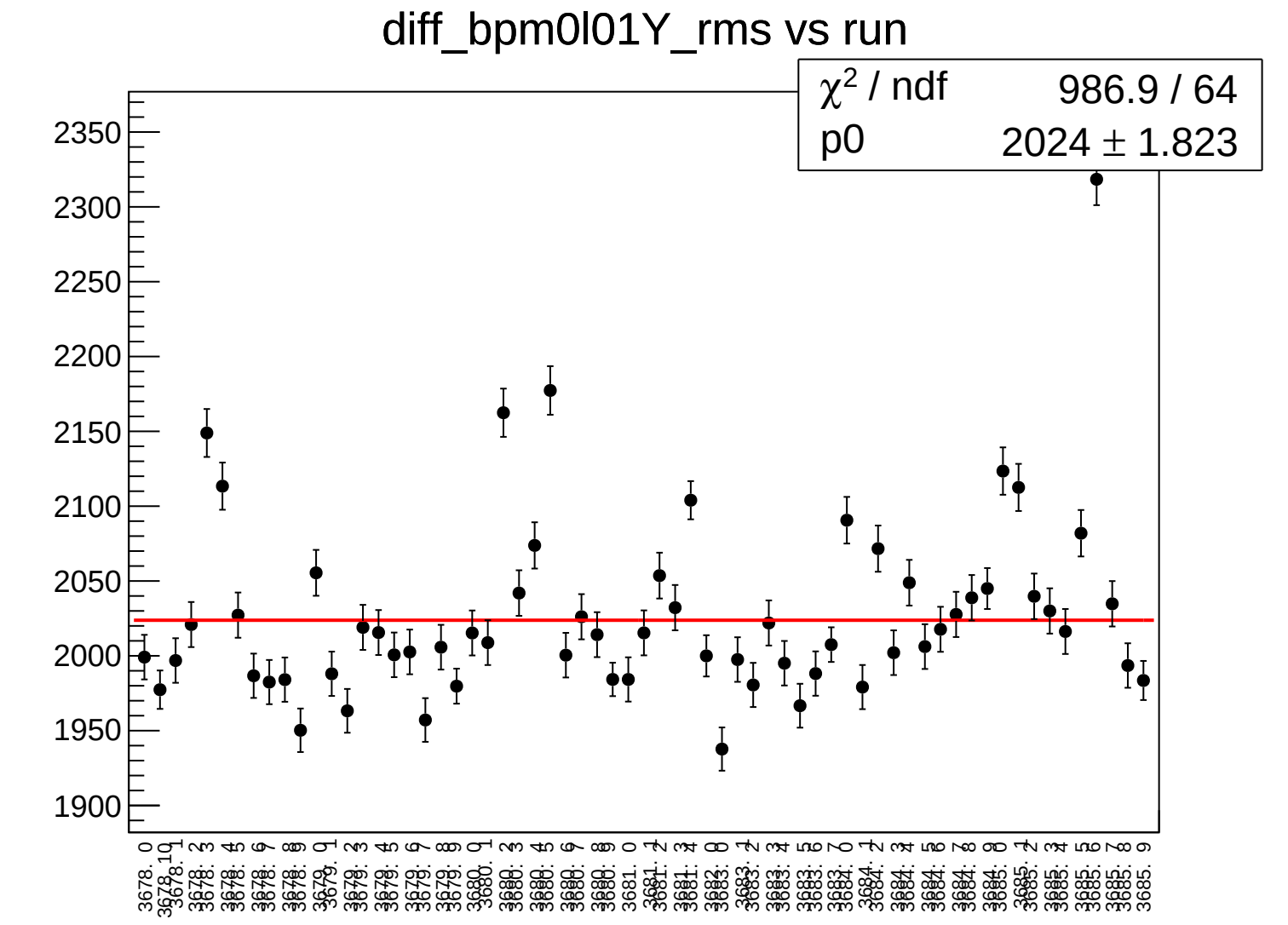

diff_bpm0l01X_mean vs run
χ^2 / ndf 54.9 / 64
p0 −39.95 ± 5.762
pull
Entries 65
Mean 23.72
Std Dev 41.5

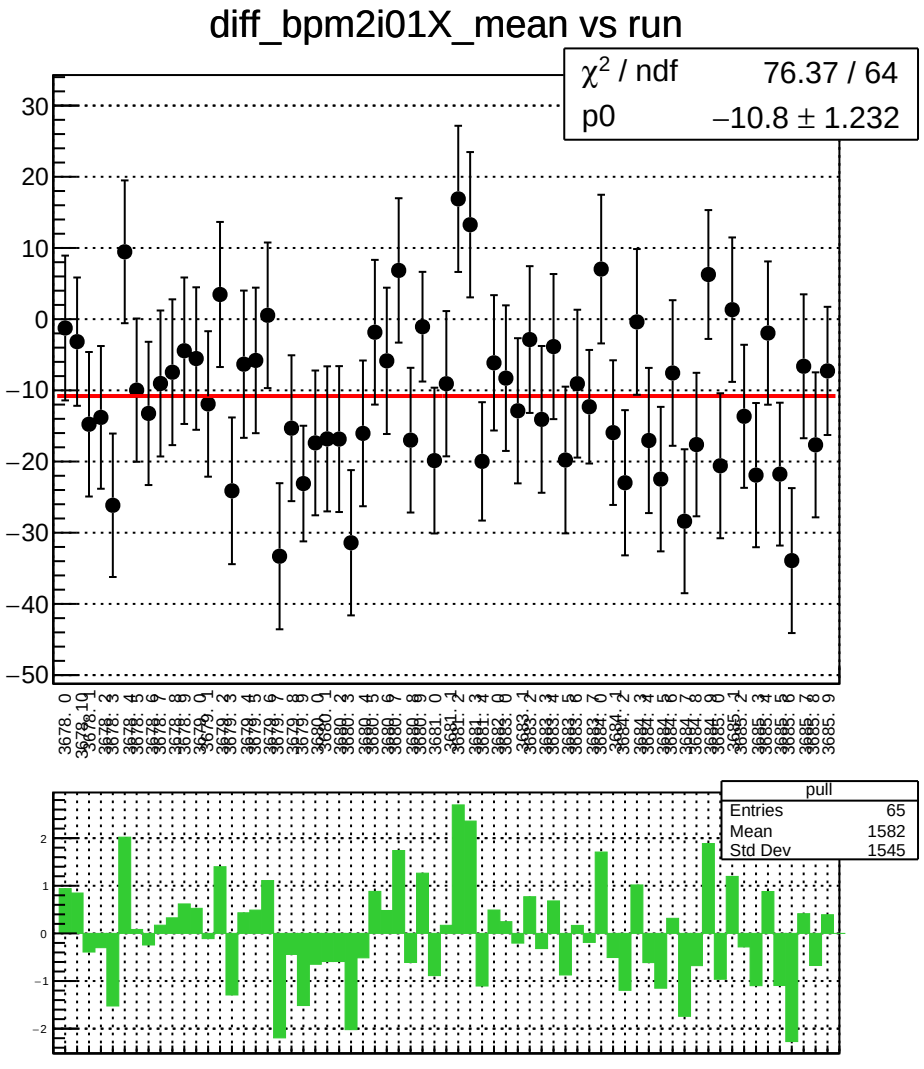

pull1D
Entries 65
Mean −0.01274
Std Dev 0.9189

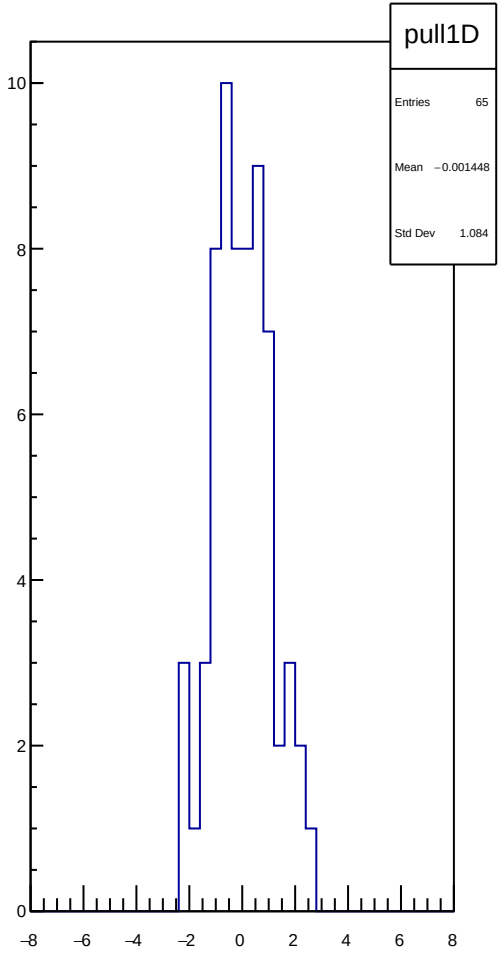

diff_bpm0l01X_rms vs run
χ² / ndf 241 / 64
p0 4525 ± 4.075
4750
4700
4650
4600
4550
4500
4450
4400
4350

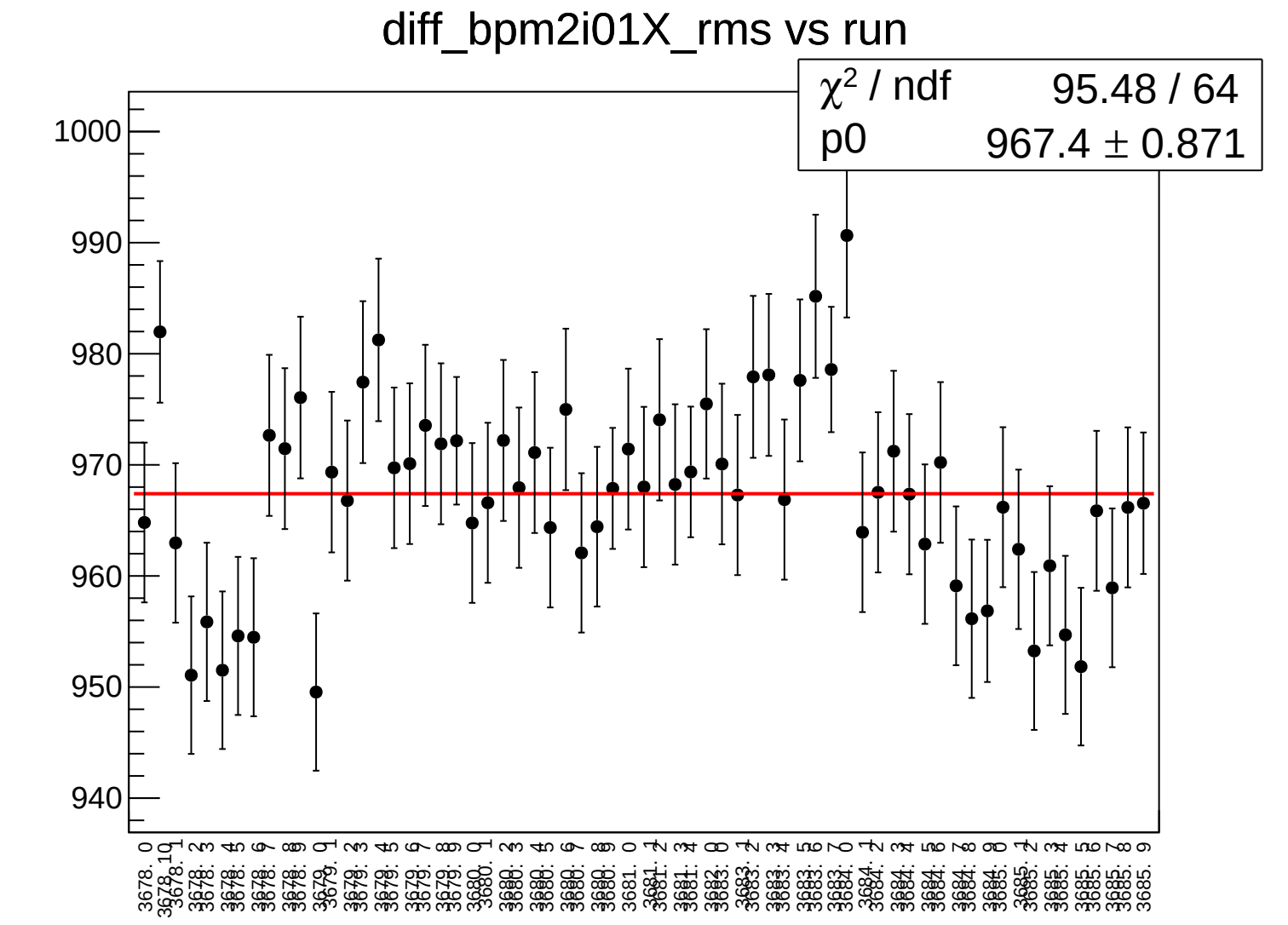

diff_bpm0l01Y_mean vs run
χ^2 / ndf 69.21 / 64
p0 26.86 ± 2.578
pull
Entries 65
Mean 1058
Std Dev 1026

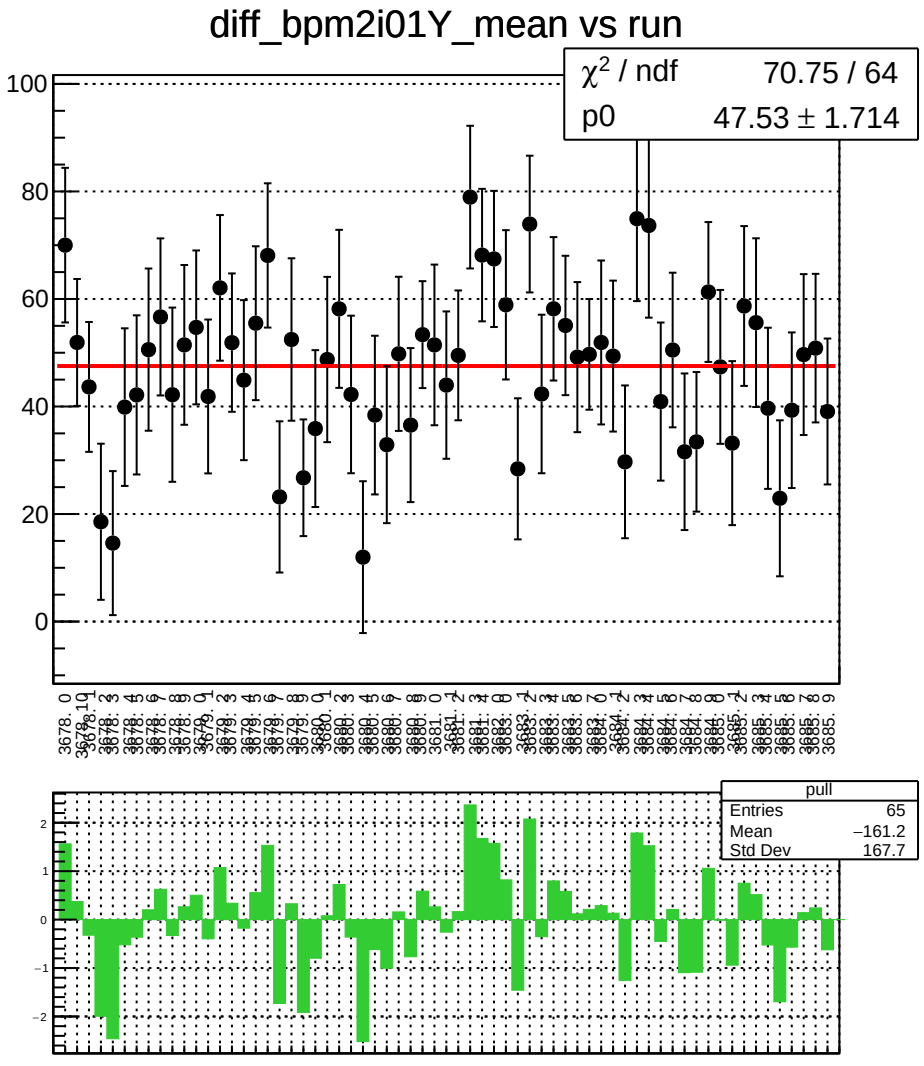

pull1D
Entries 65
Mean −0.003715
Std Dev 1.032

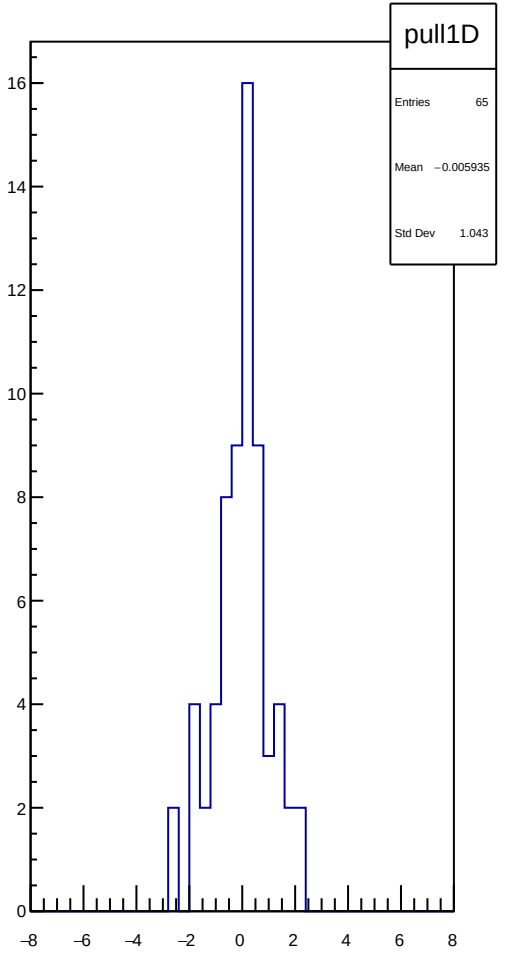

diff_bpm0l01Y_rms vs run
χ² / ndf 986.9 / 64
p0 2024 ± 1.823
2350
2300
2250
2200
2150
2100
2050
2000
1950
1900

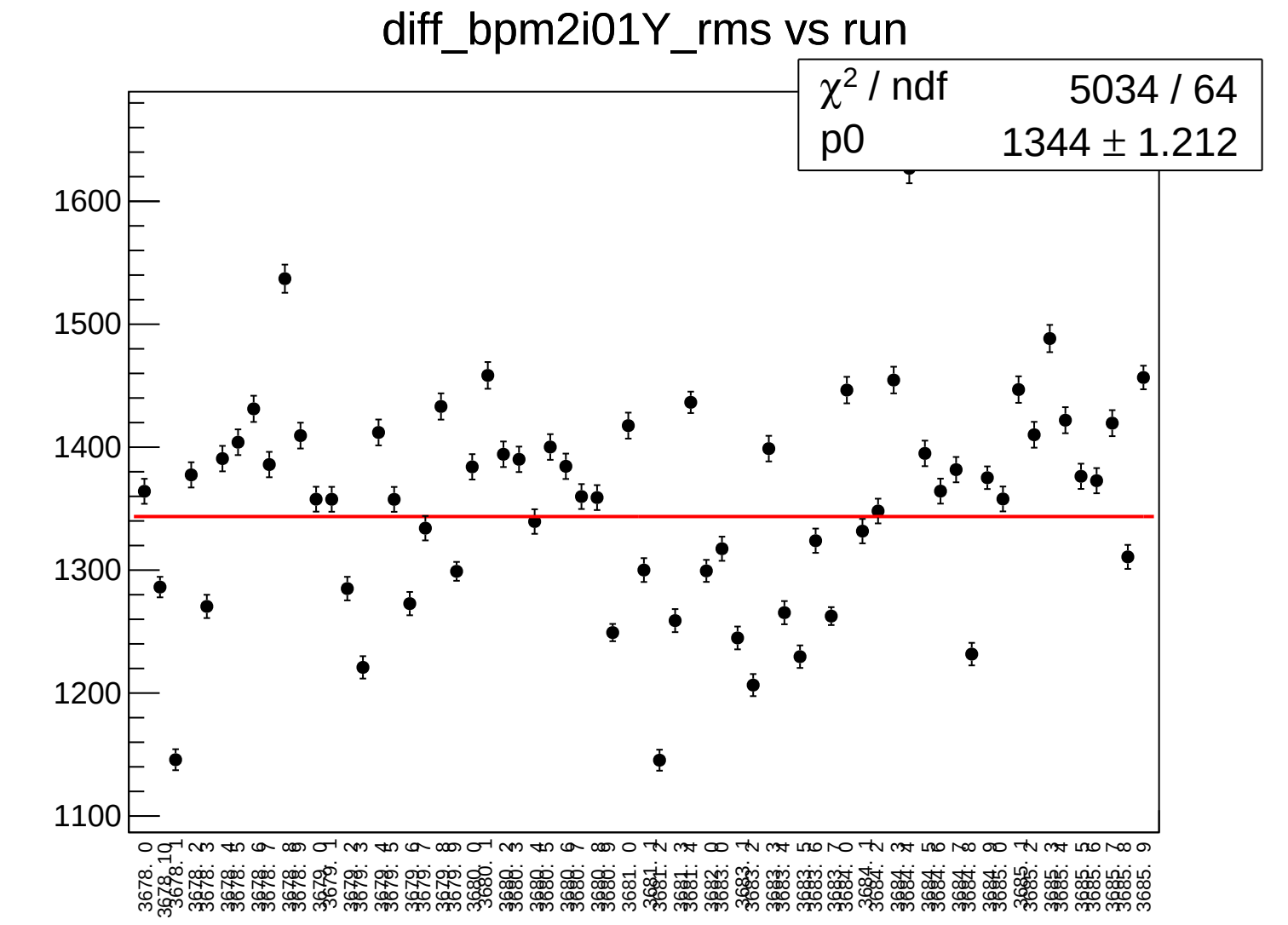

diff_bpm2i01X_mean vs run
χ² / ndf 76.37 / 64
p0 −10.8 ± 1.232
pull
Entries 65
Mean 1582
Std Dev 1545

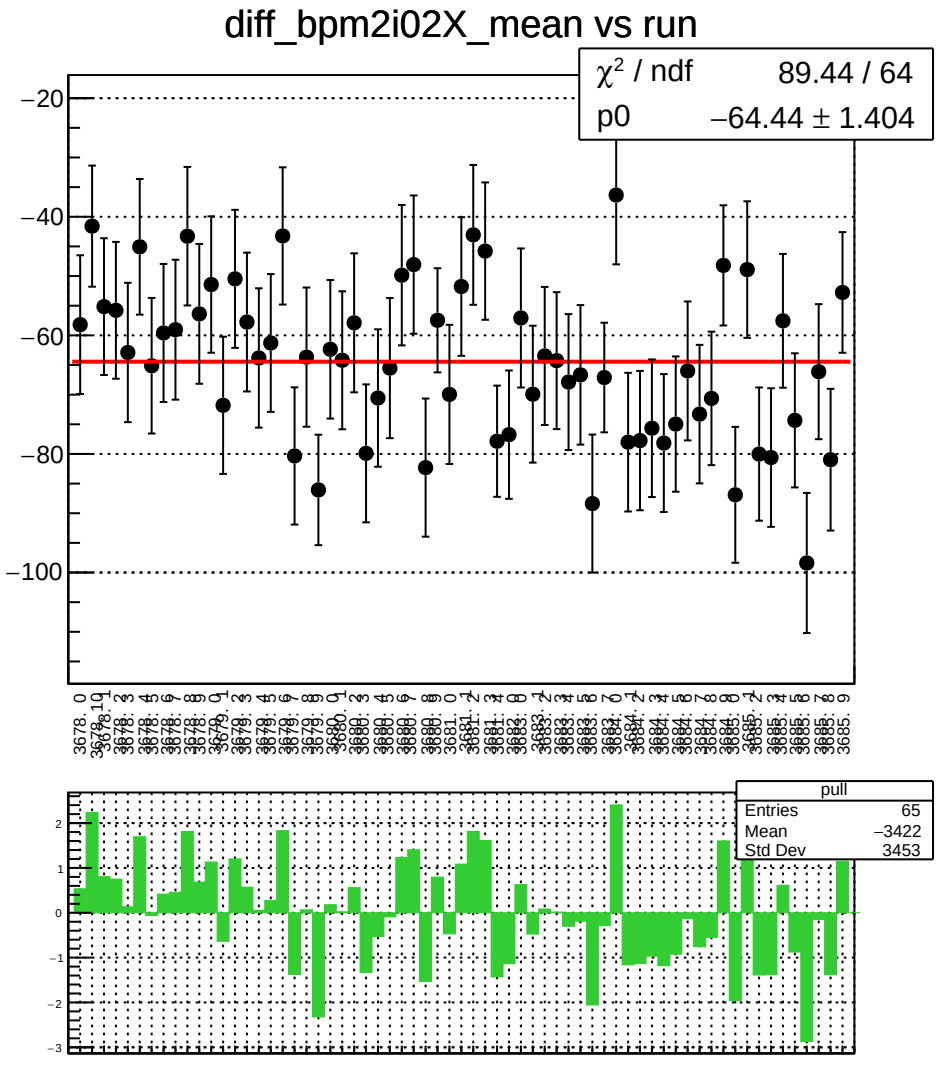

pull1D
Entries 65
Mean −0.001448
Std Dev 1.084

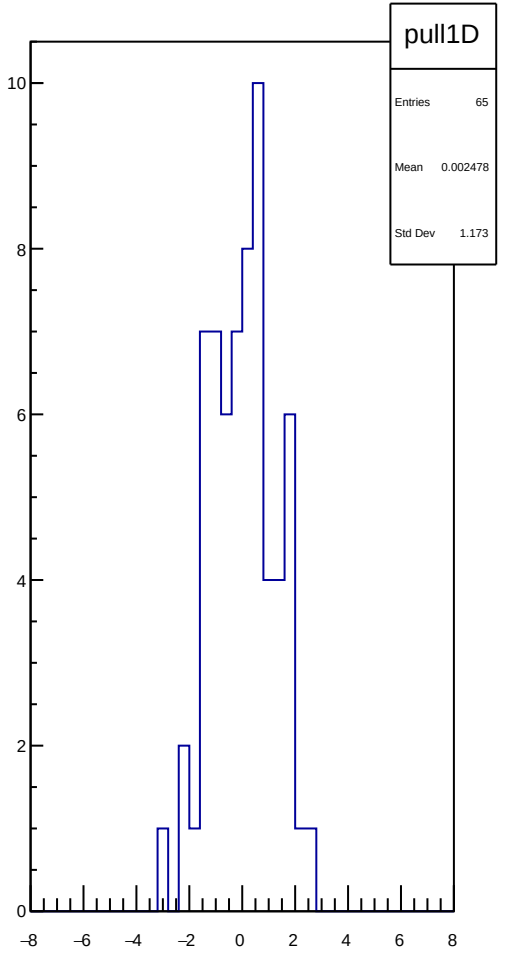

diff_bpm2i01X_rms vs run
χ² / ndf 95.48 / 64
p0 967.4 ± 0.871
1000
990
980
970
960
950
940

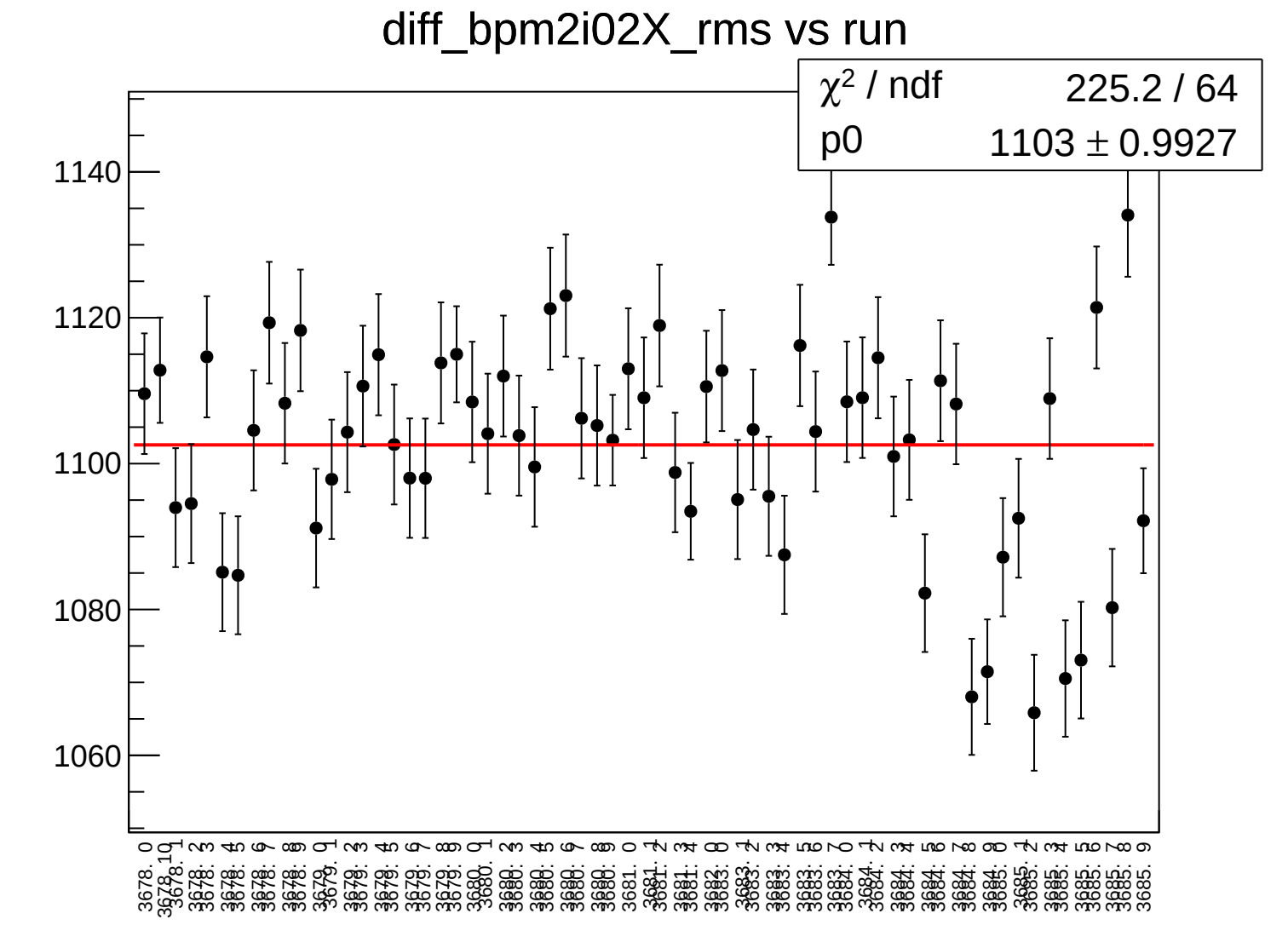

diff_bpm2i01Y_mean vs run
χ^2 / ndf 70.75 / 64
p0 47.53 ± 1.714
pull
Entries 65
Mean −161.2
Std Dev 167.7

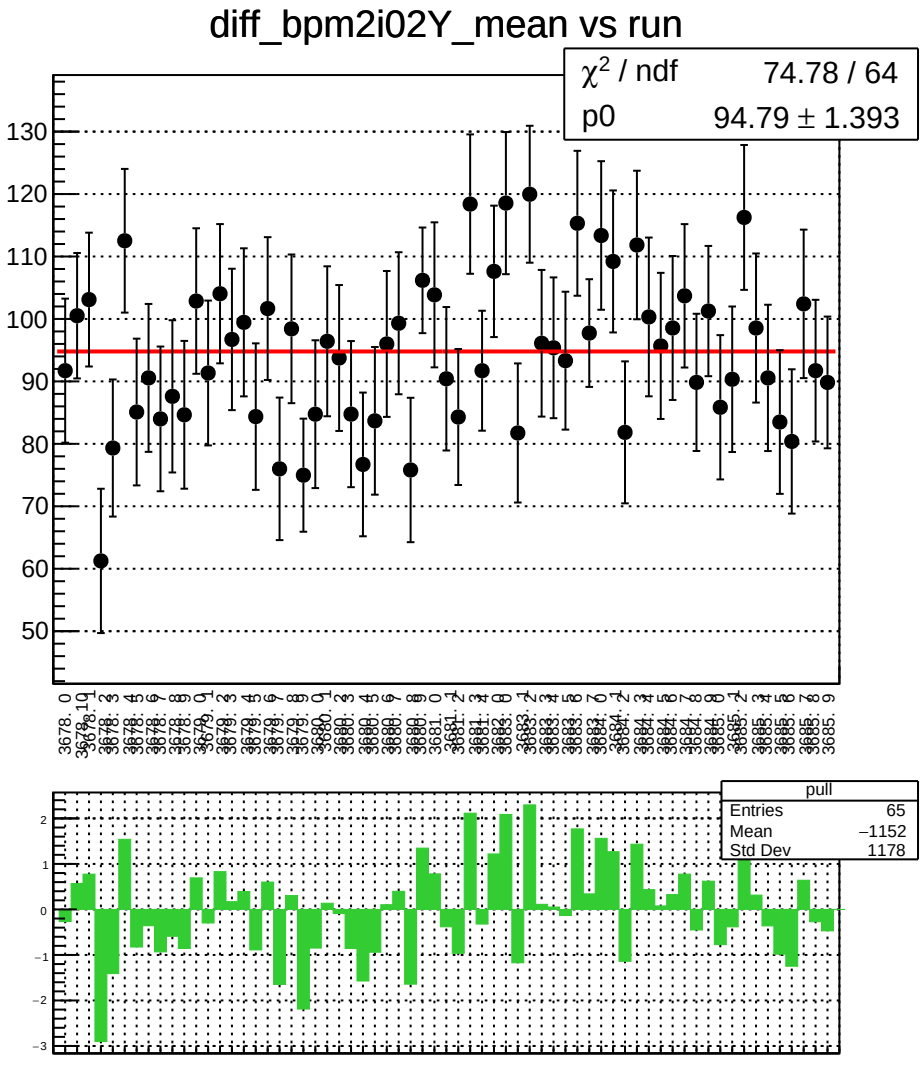

pull1D
Entries 65
Mean −0.005935
Std Dev 1.043

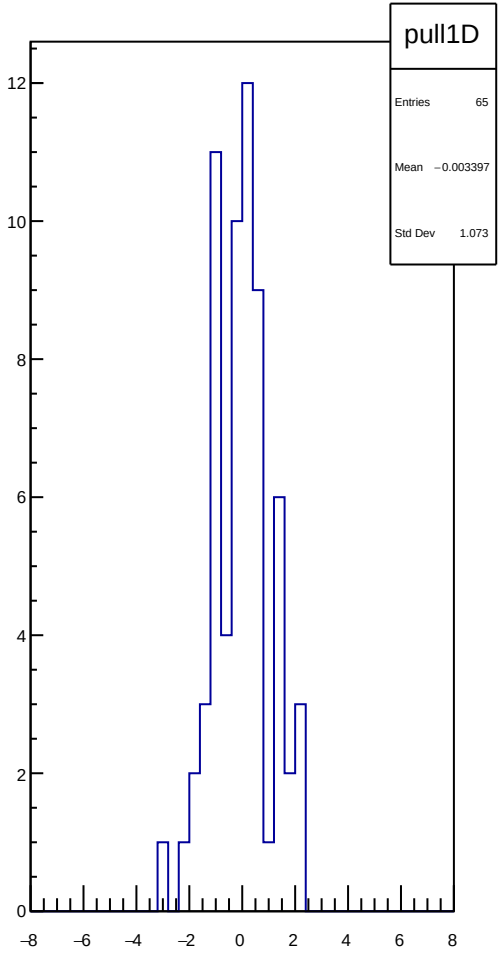

diff_bpm2i01Y_rms vs run
χ² / ndf 5034 / 64
p0 1344 ± 1.212
1600
1500
1400
1300
1200
1100

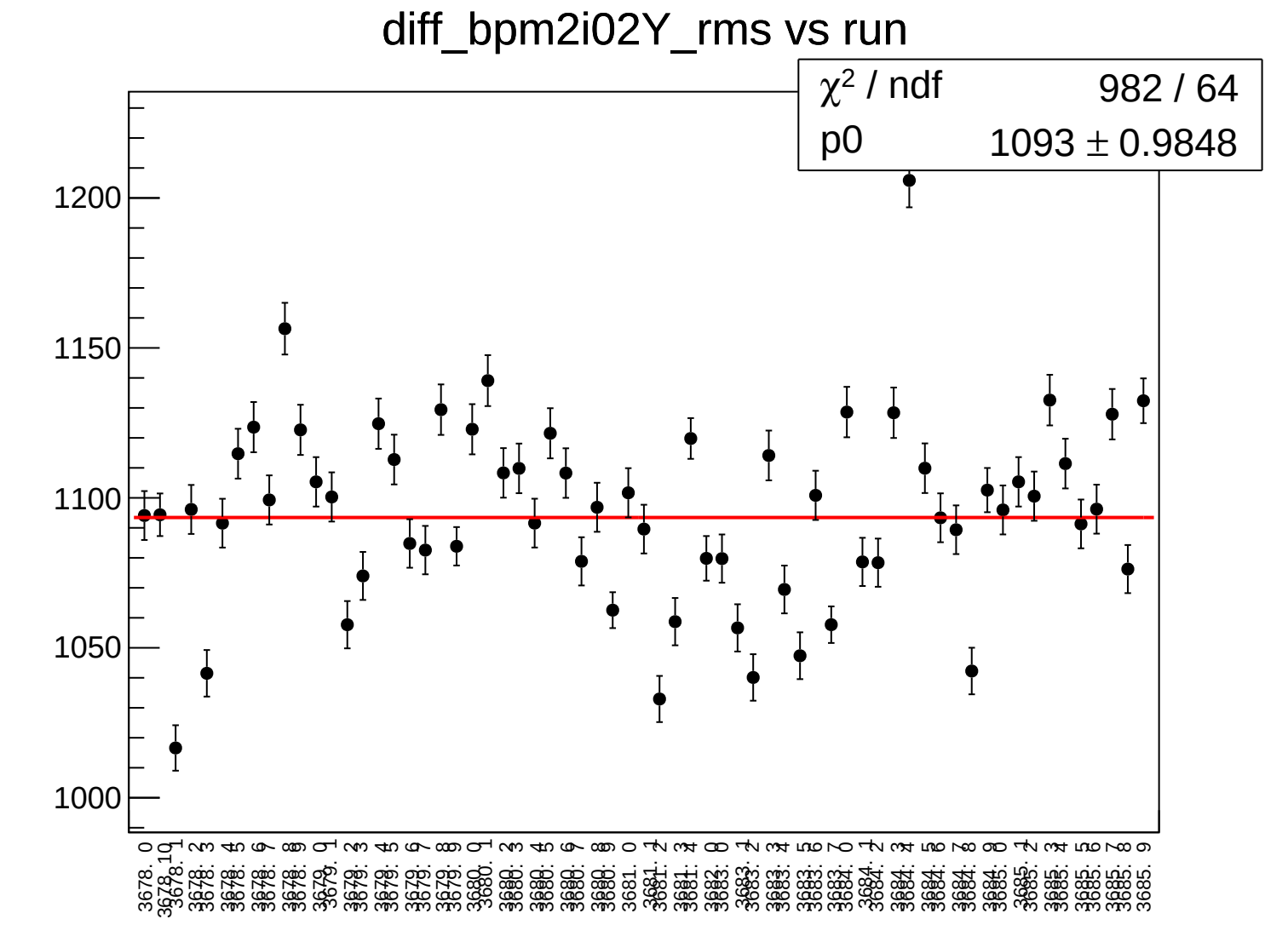

diff_bpm2i02X_mean vs run
χ² / ndf 89.44 / 64
p0 −64.44 ± 1.404
pull
Entries 65
Mean −3422
Std Dev 3453

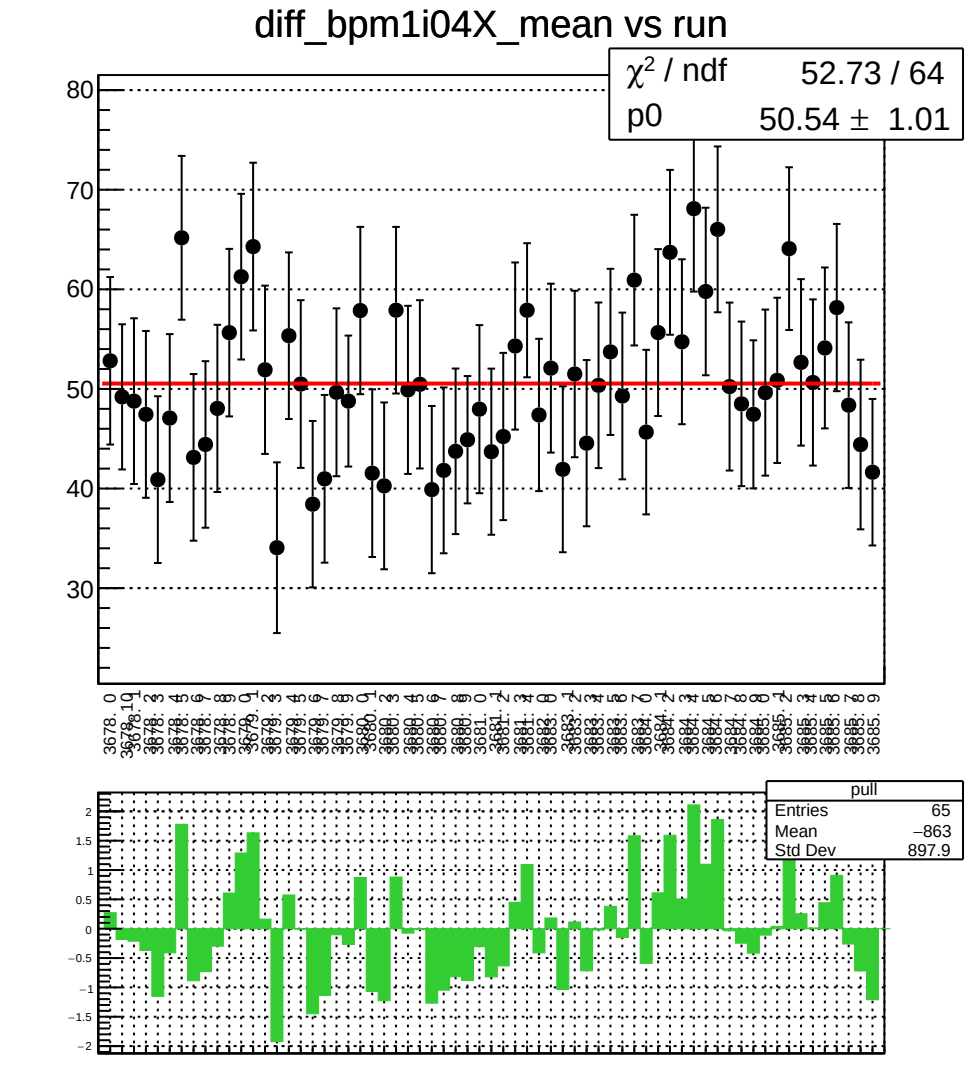

pull1D
Entries 65
Mean 0.002478
Std Dev 1.173

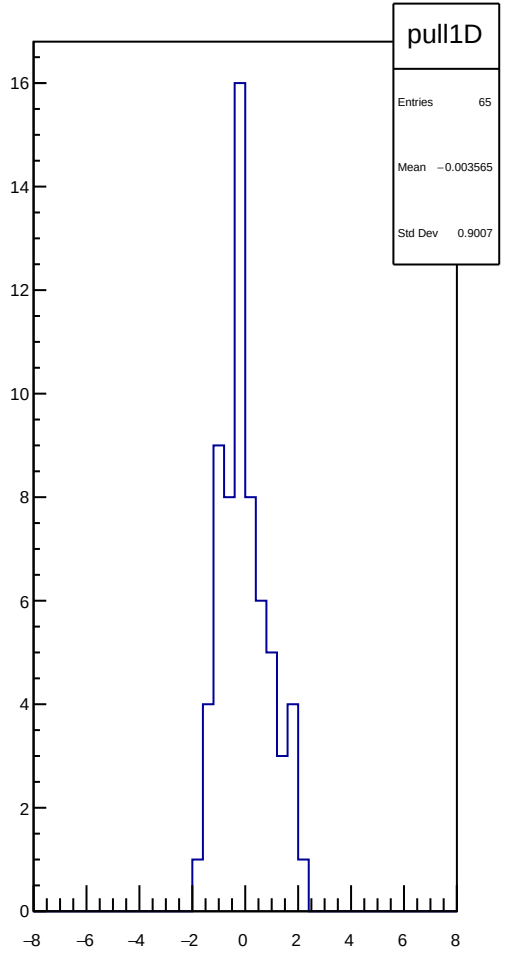

diff_bpm2i02X_rms vs run
χ² / ndf 225.2 / 64
p0 1103 ± 0.9927
1140
1120
1100
1080
1060

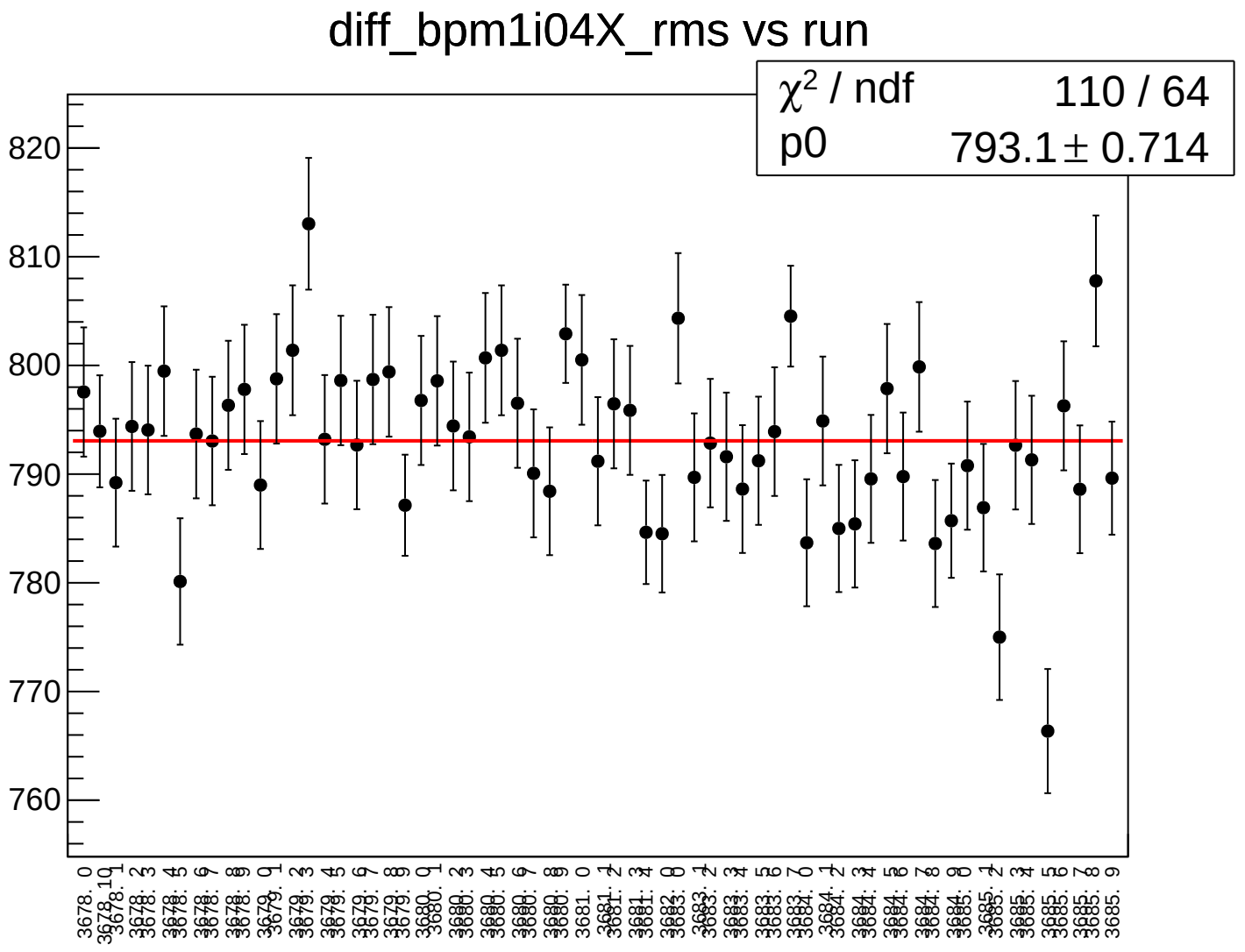

diff_bpm2i02Y_mean vs run
χ^2 / ndf 74.78 / 64
p0 94.79 ± 1.393
pull
Entries 65
Mean −1152
Std Dev 1178

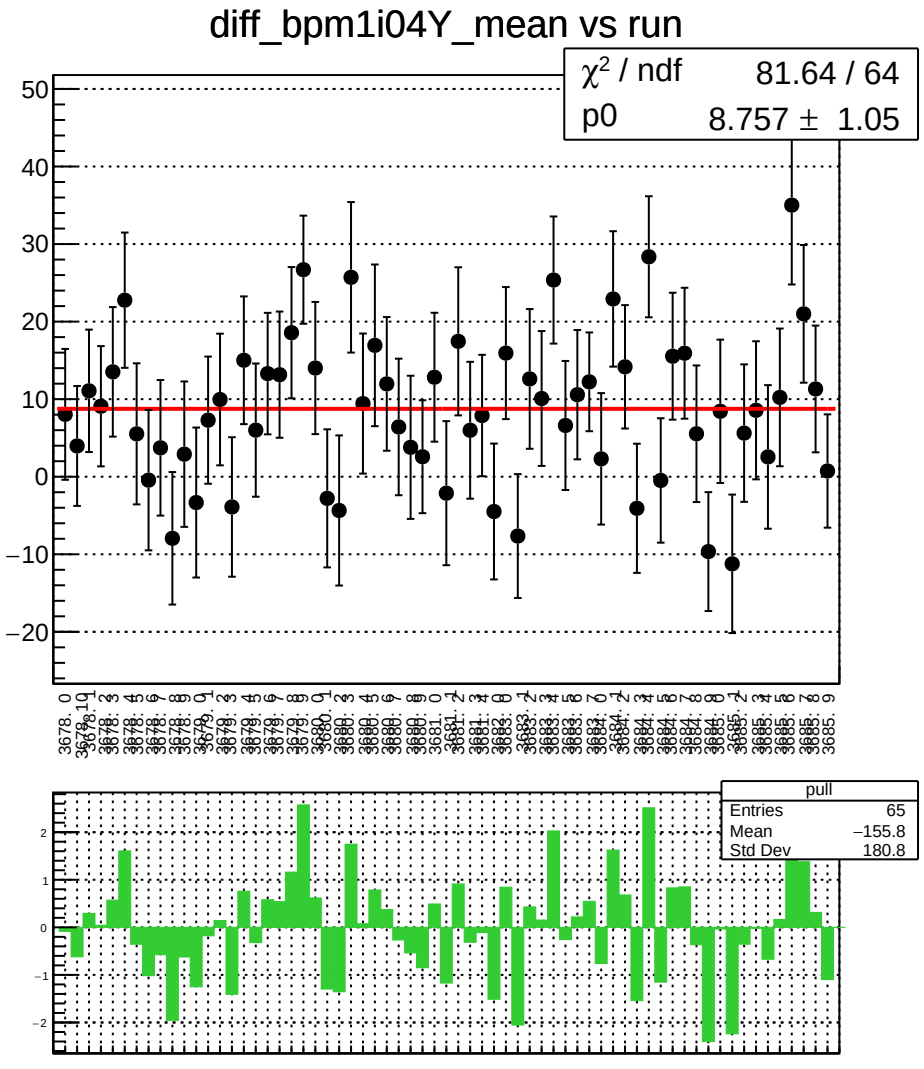

pull1D
Entries 65
Mean −0.003397
Std Dev 1.073

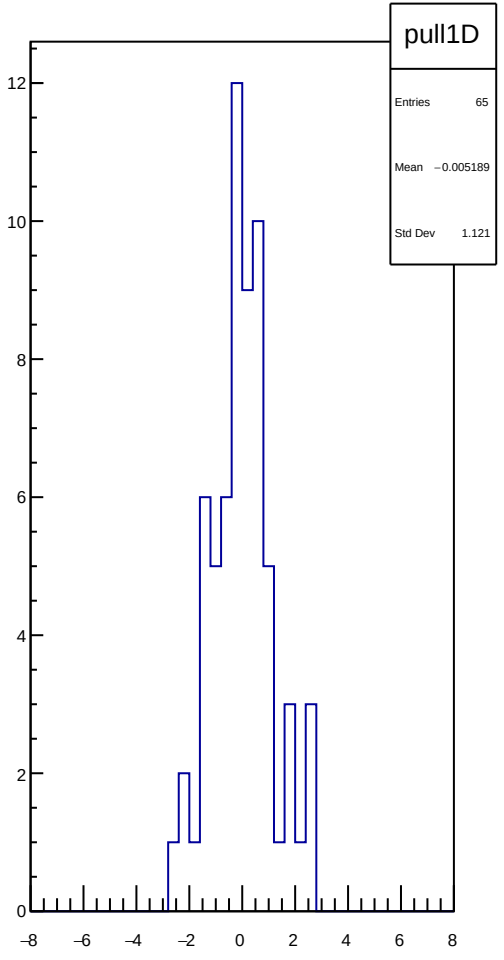

diff_bpm2i02Y_rms vs run
χ² / ndf 982 / 64
p0 1093 ± 0.9848
1200
1150
1100
1050
1000

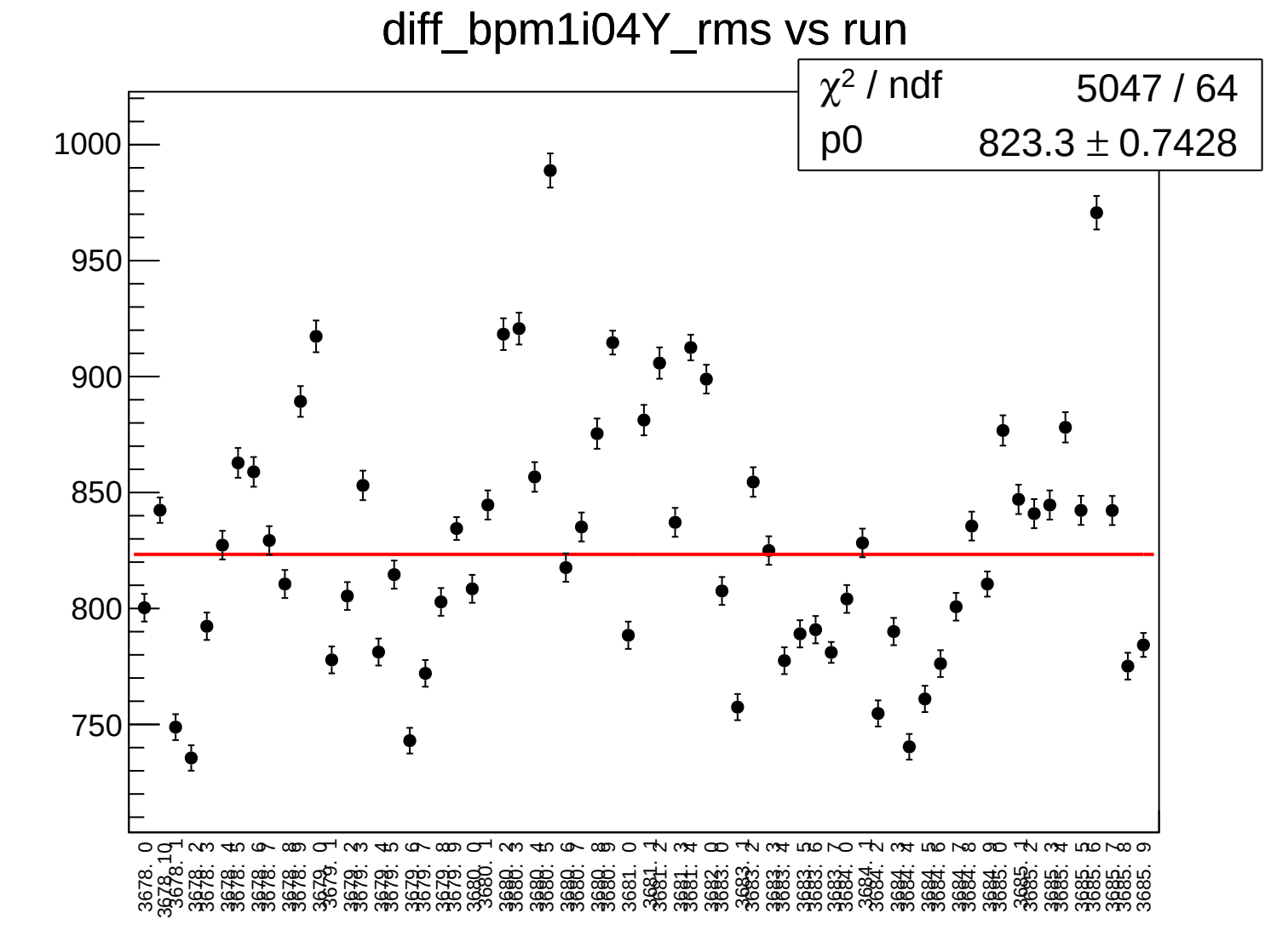

diff_bpm1i04X_mean vs run
χ² / ndf 52.73 / 64
p0 50.54 ± 1.01
pull
Entries 65
Mean −863
Std Dev 897.9

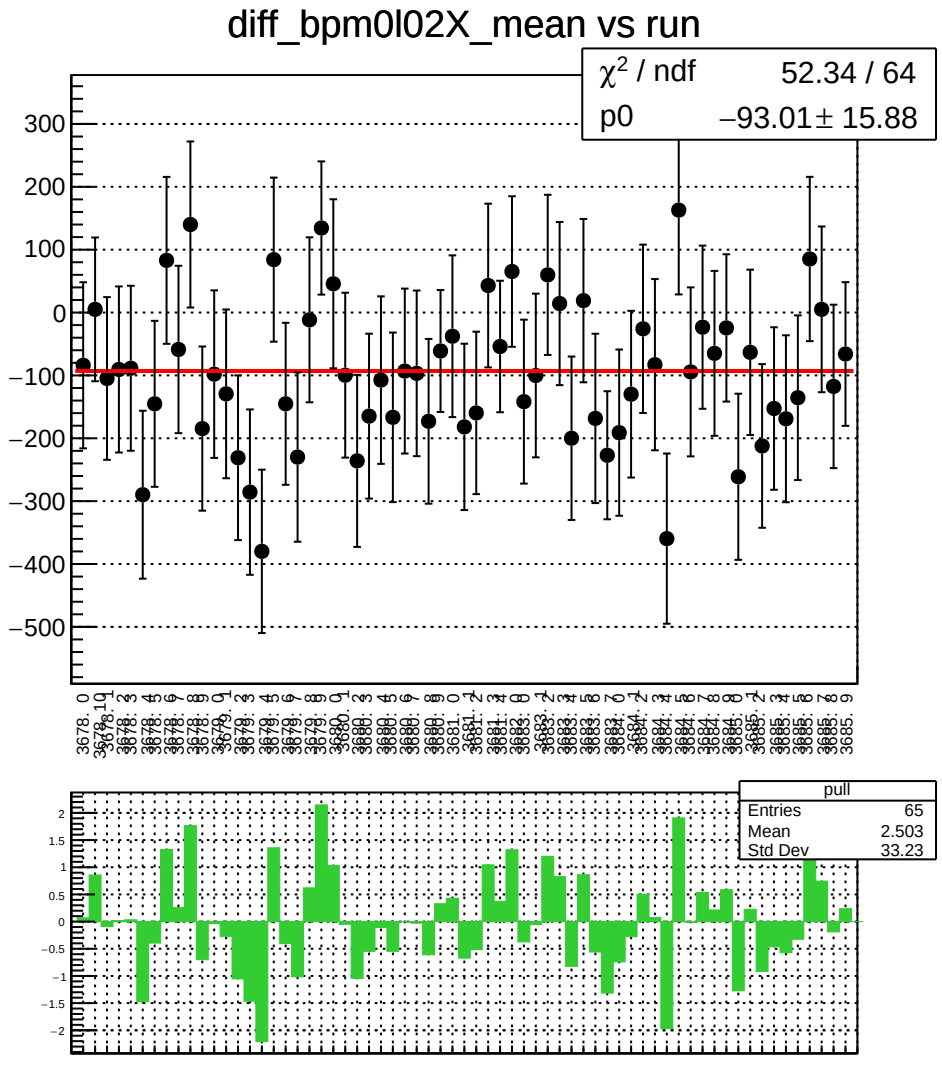

pull1D
Entries 65
Mean −0.003565
Std Dev 0.9007

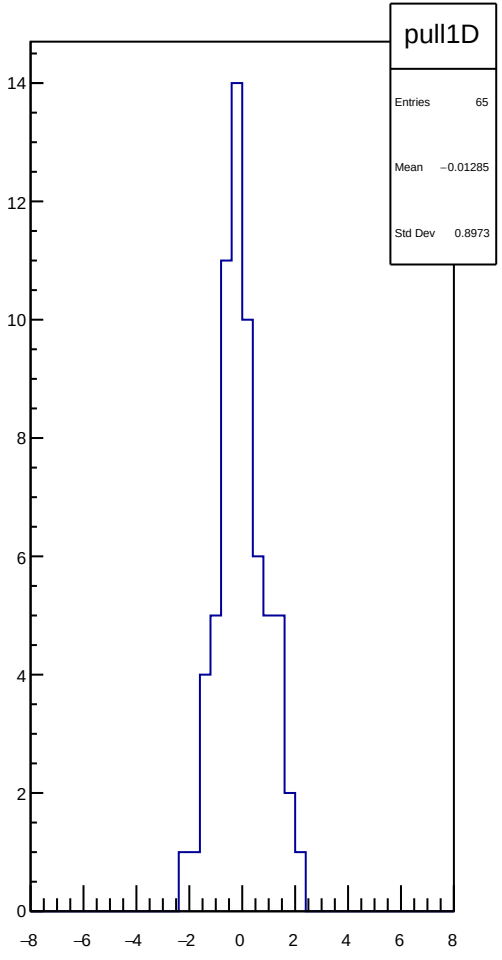

diff_bpm1i04X_rms vs run
χ² / ndf 110 / 64
p0 793.1 ± 0.714
820
810
800
790
780
770
760

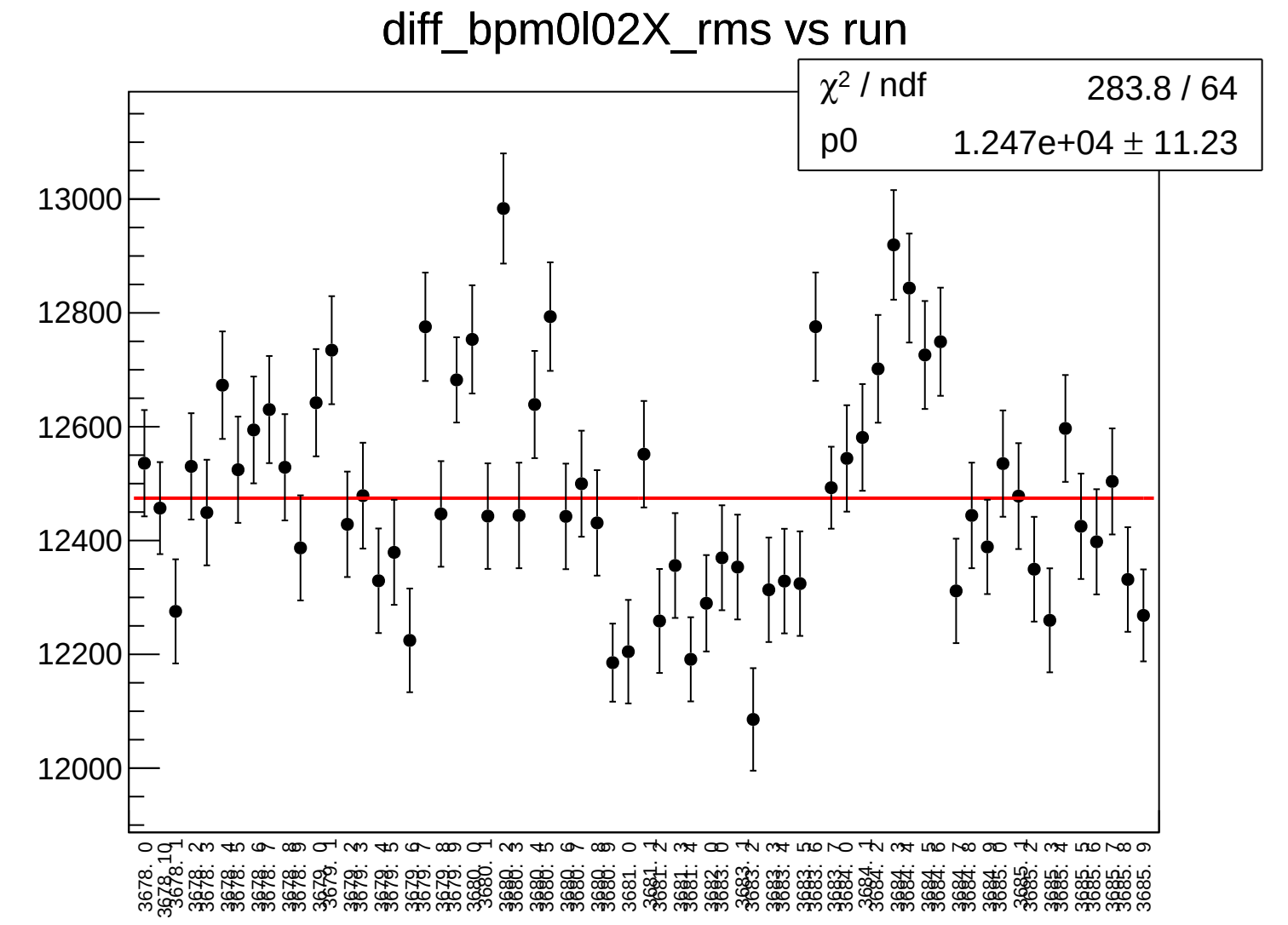

diff_bpm1i04Y_mean vs run
χ² / ndf 81.64 / 64
p0 8.757 ± 1.05
pull
Entries 65
Mean −155.8
Std Dev 180.8

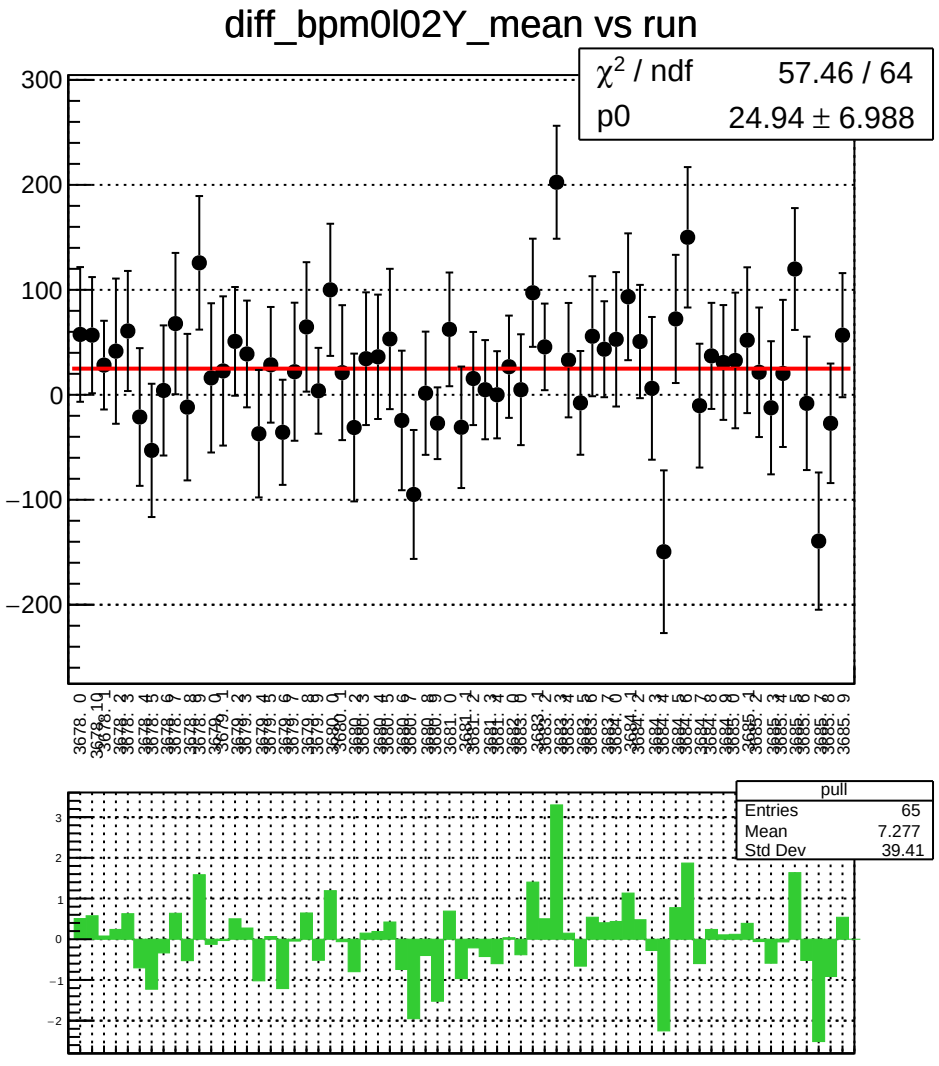

pull1D
Entries 65
Mean −0.005189
Std Dev 1.121

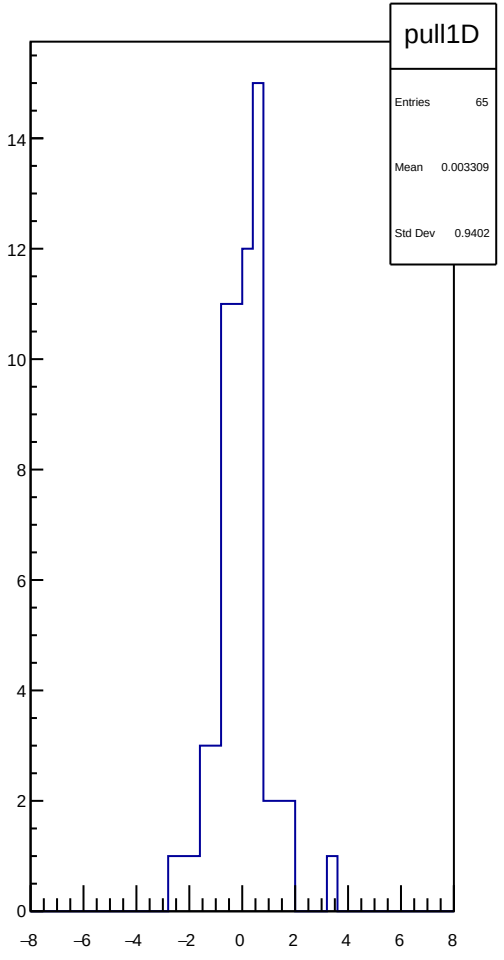

diff_bpm1i04Y_rms vs run
χ² / ndf 5047 / 64
p0 823.3 ± 0.7428
1000
950
900
850
800
750

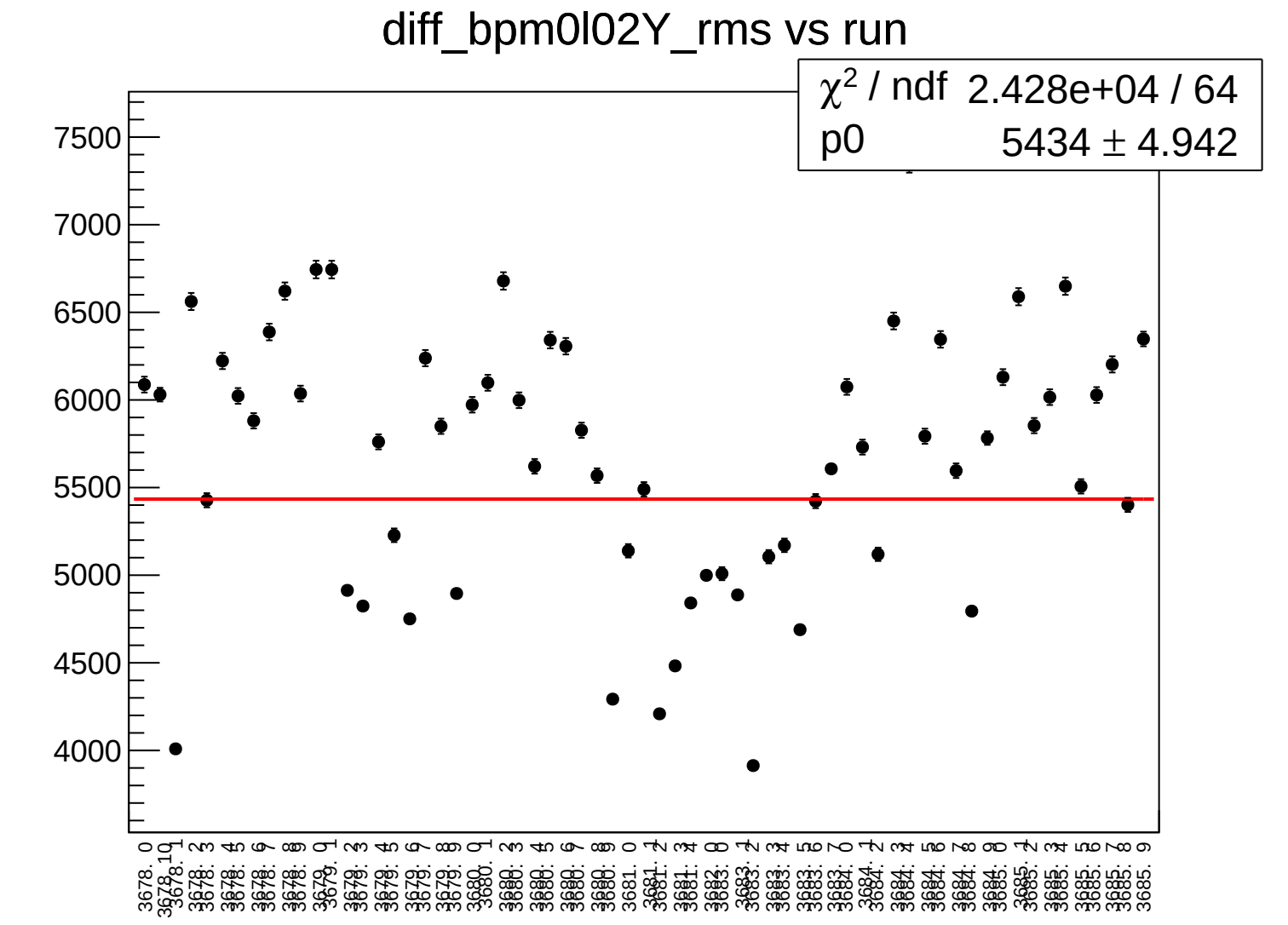

diff_bpm0l02X_mean vs run
χ² / ndf 52.34 / 64
p0 −93.01 ± 15.88
pull
Entries 65
Mean 2.503
Std Dev 33.23

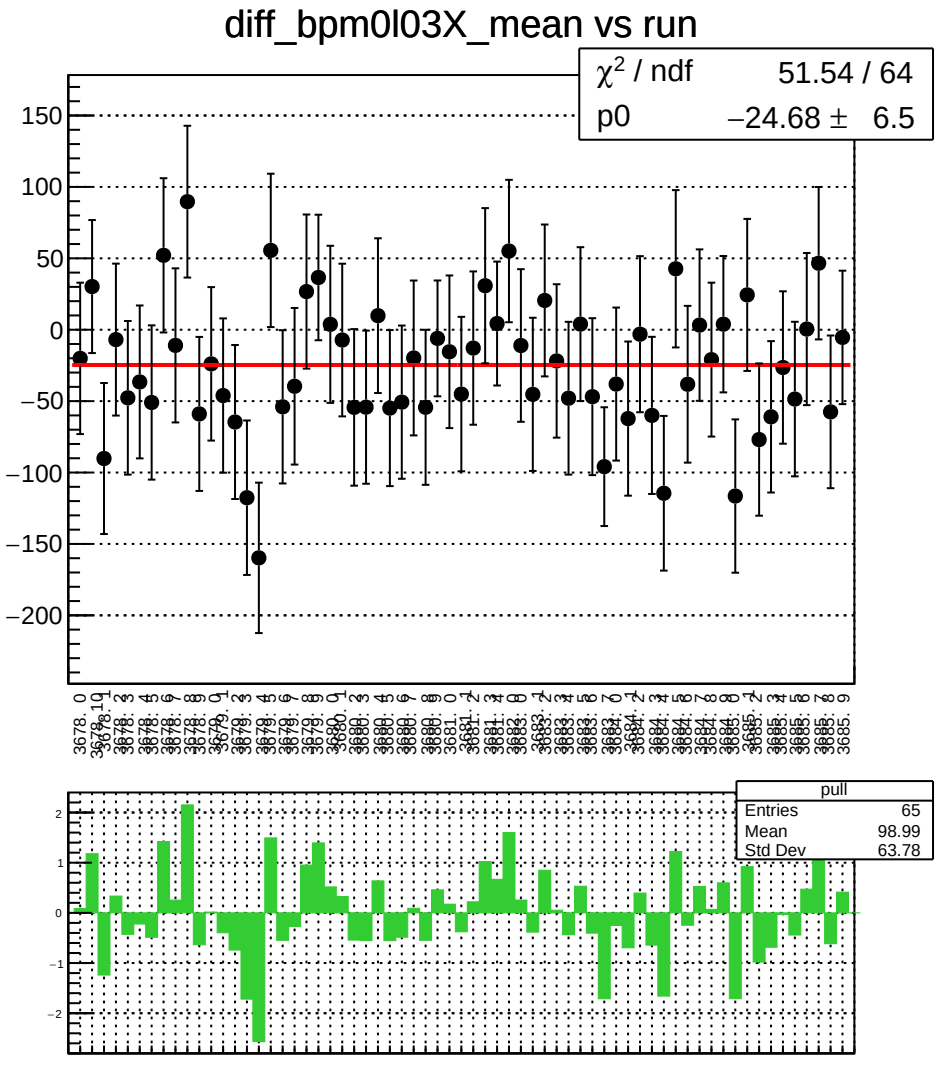

pull1D
Entries 65
Mean −0.01285
Std Dev 0.8973

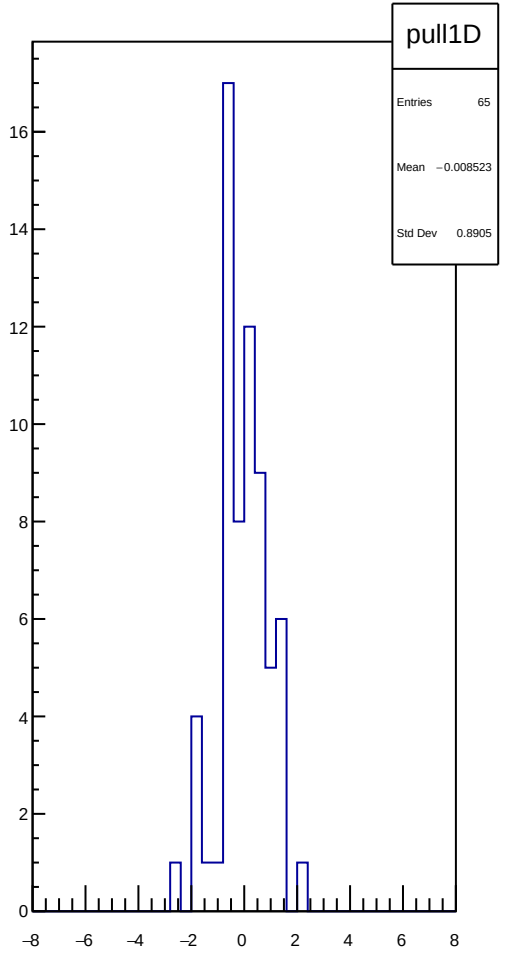

diff_bpm0l02X_rms vs run
χ² / ndf 283.8 / 64
p0 1.247e+04 ± 11.23
13000
12800
12600
12400
12200
12000

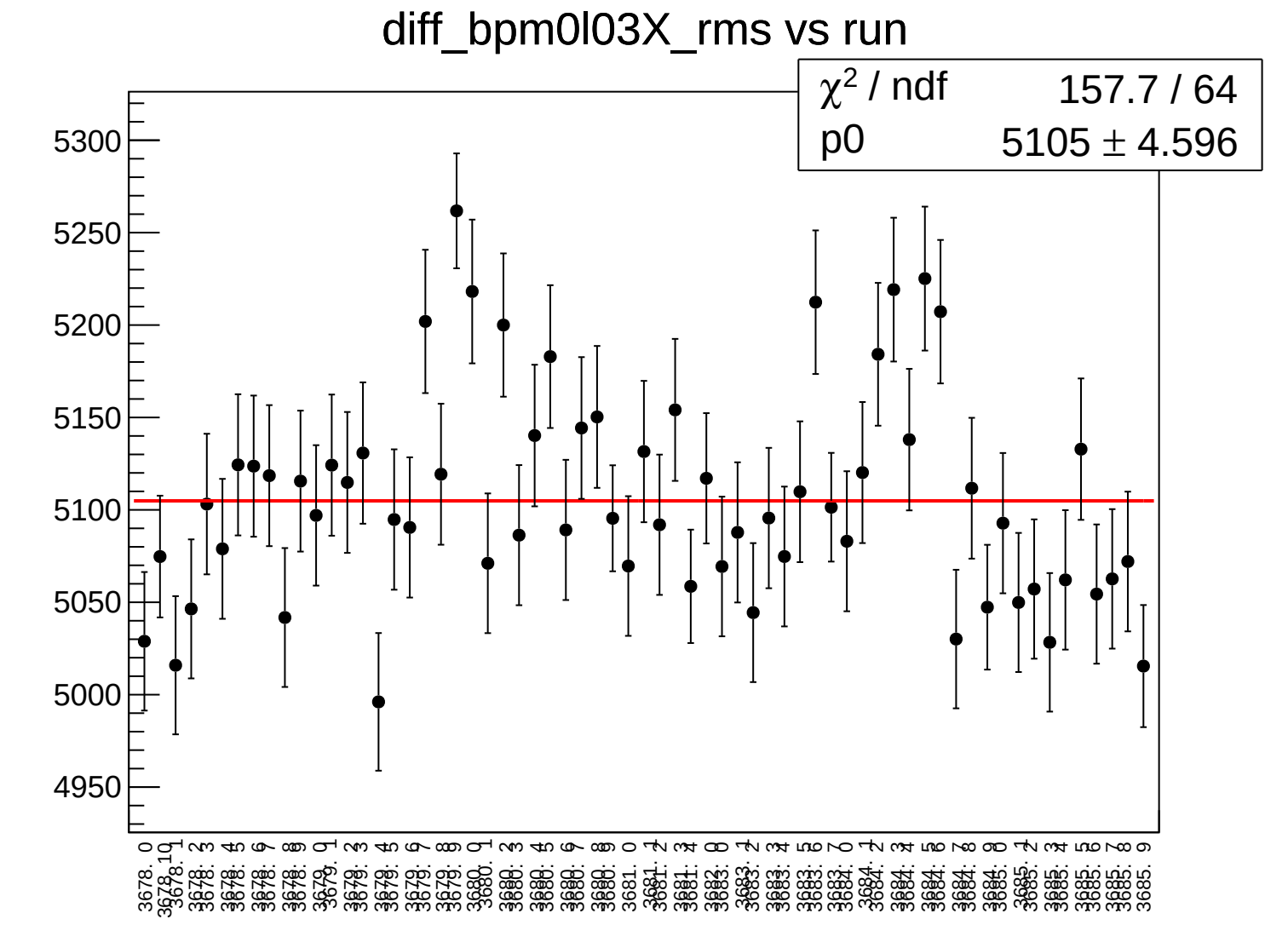

diff_bpm0l02Y_mean vs run
χ² / ndf 57.46 / 64
p0 24.94 ± 6.988
pull
Entries 65
Mean 7.277
Std Dev 39.41

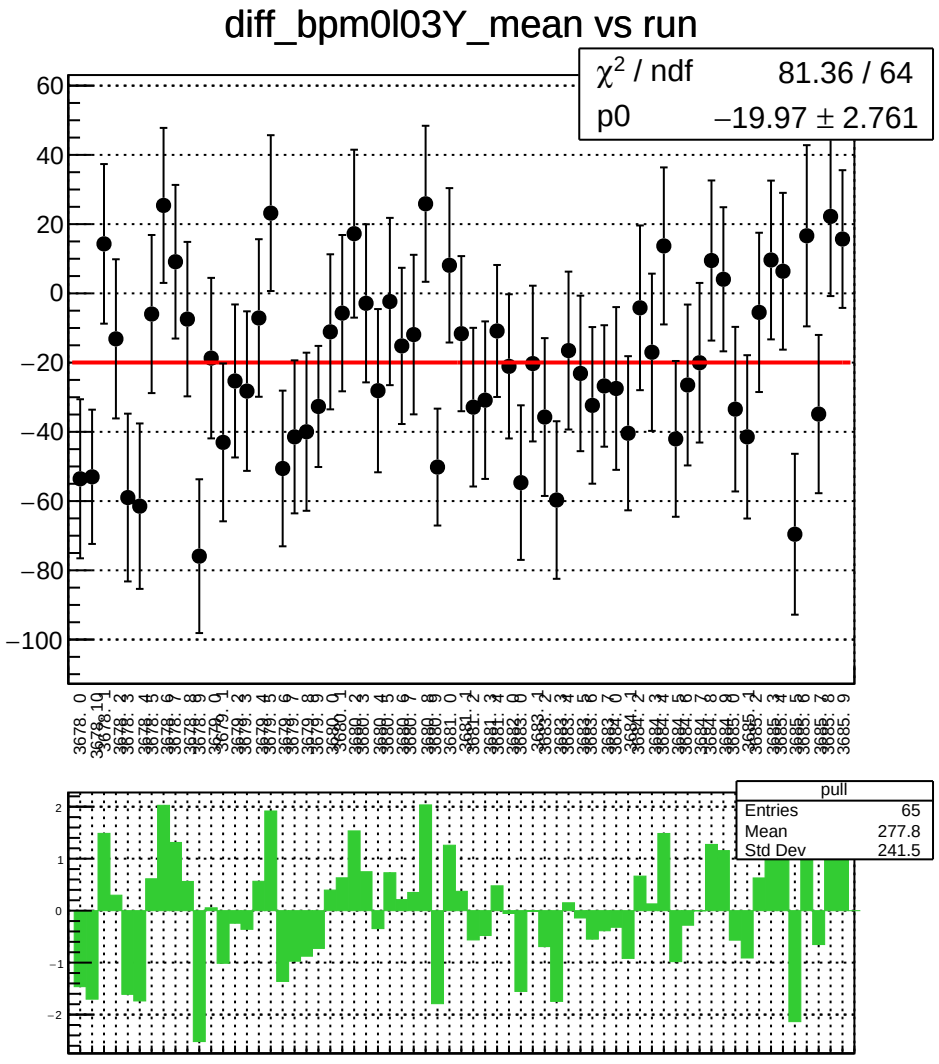

pull1D
Entries 65
Mean 0.003309
Std Dev 0.9402

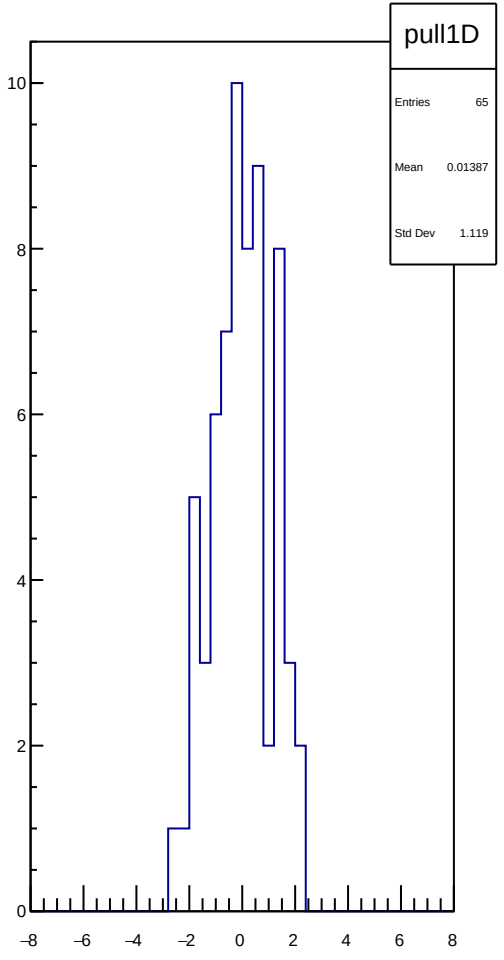

diff_bpm0l02Y_rms vs run
χ² / ndf 2.428e+04 / 64
p0 5434 ± 4.942
7500
7000
6500
6000
5500
5000
4500
4000

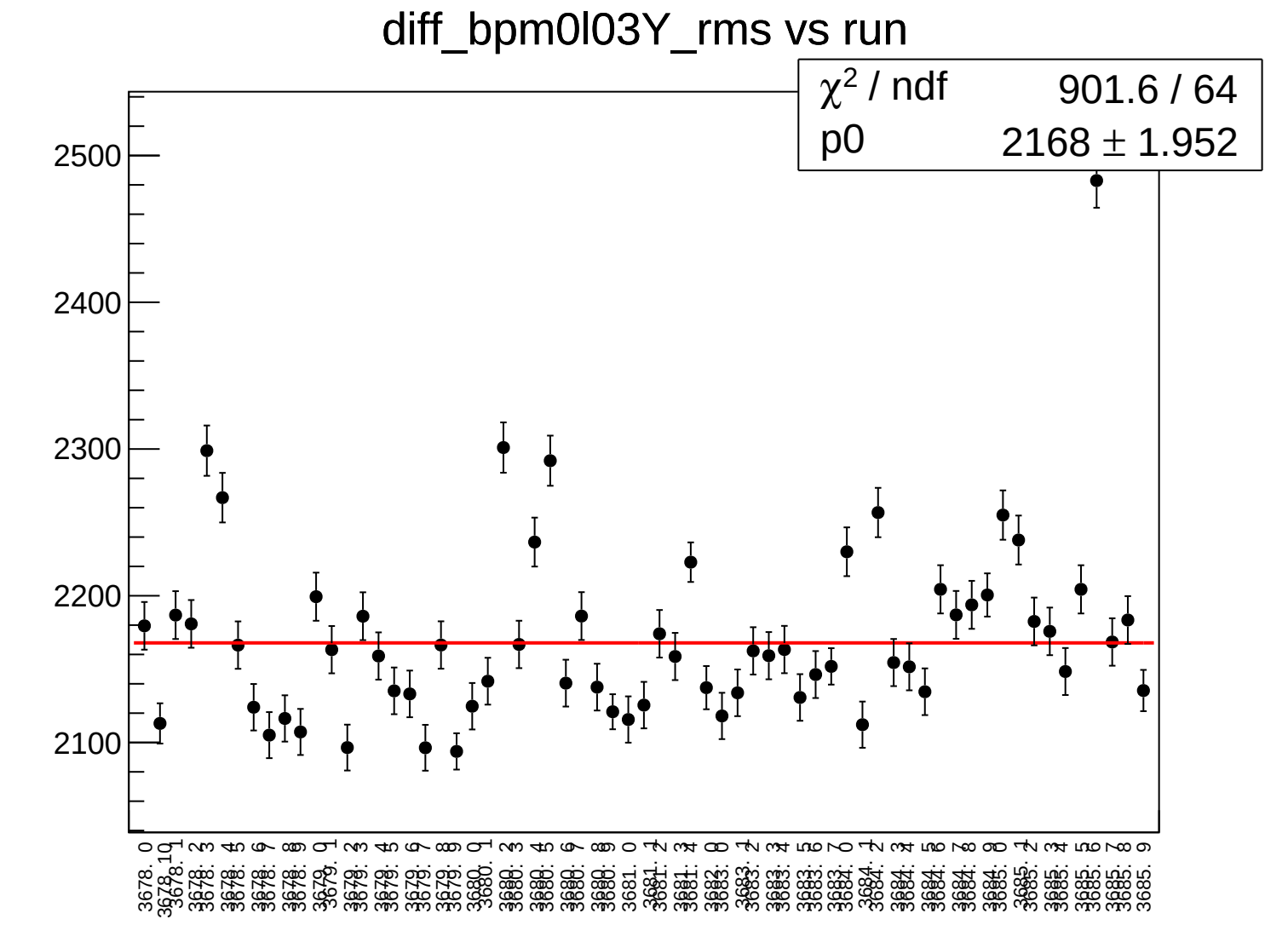

diff_bpm0l03X_mean vs run
χ² / ndf 51.54 / 64
p0 −24.68 ± 6.5
150
100
50
0
−50
−100
−150
−200
pull
Entries 65
Mean 98.99
Std Dev 63.78
2
1
0
−1
−2

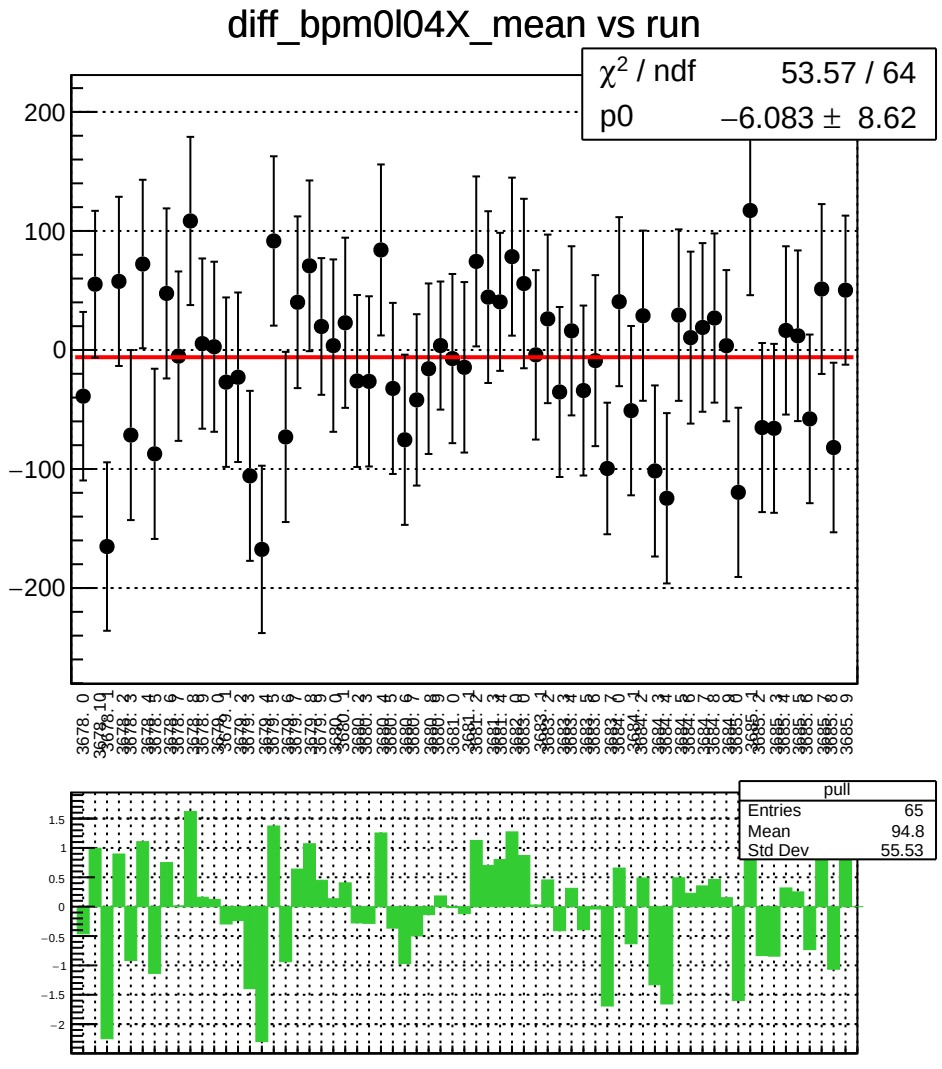

pull1D
Entries 65
Mean −0.008523
Std Dev 0.8905
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

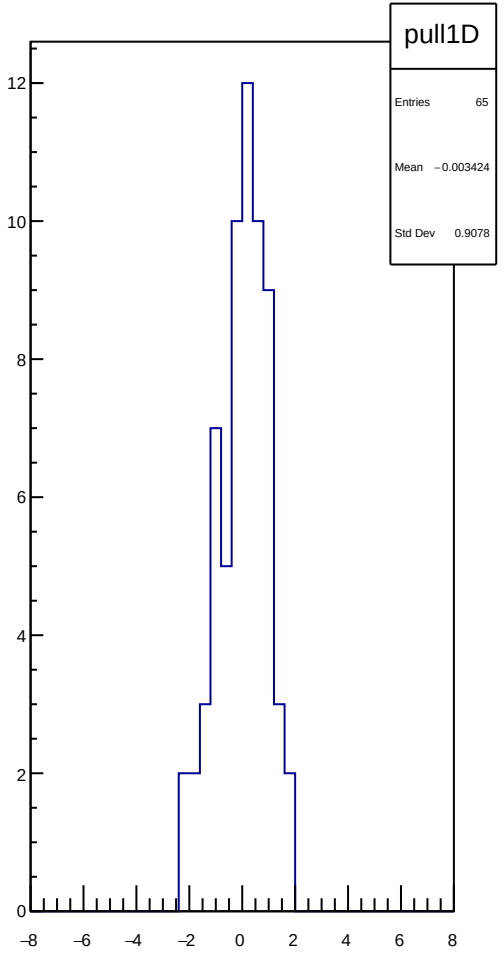

diff_bpm0l03X_rms vs run
χ² / ndf 157.7 / 64
p0 5105 ± 4.596
5300
5250
5200
5150
5100
5050
5000
4950

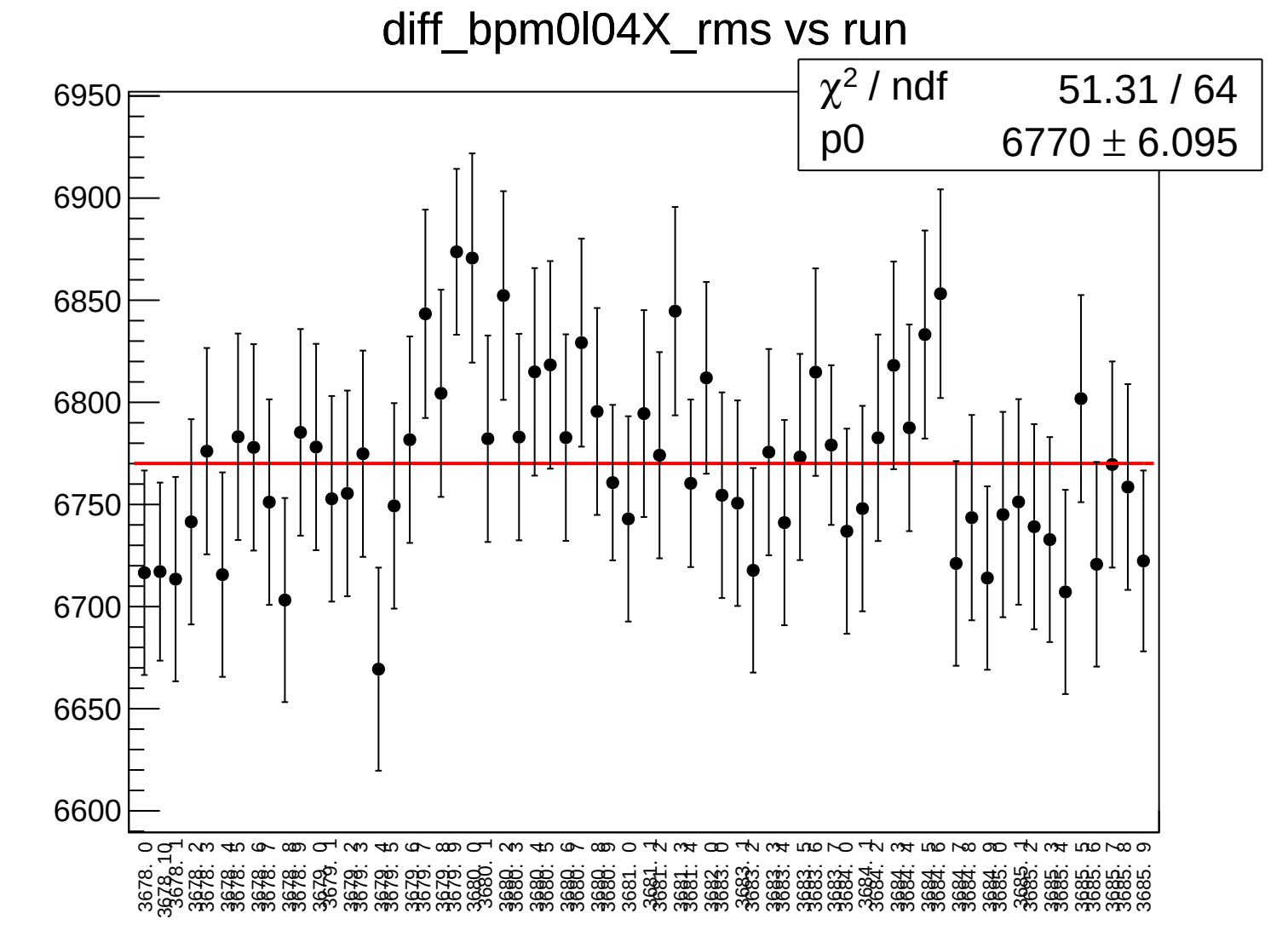

diff_bpm0l03Y_mean vs run
χ² / ndf 81.36 / 64
p0 −19.97 ± 2.761
pull
Entries 65
Mean 277.8
Std Dev 241.5

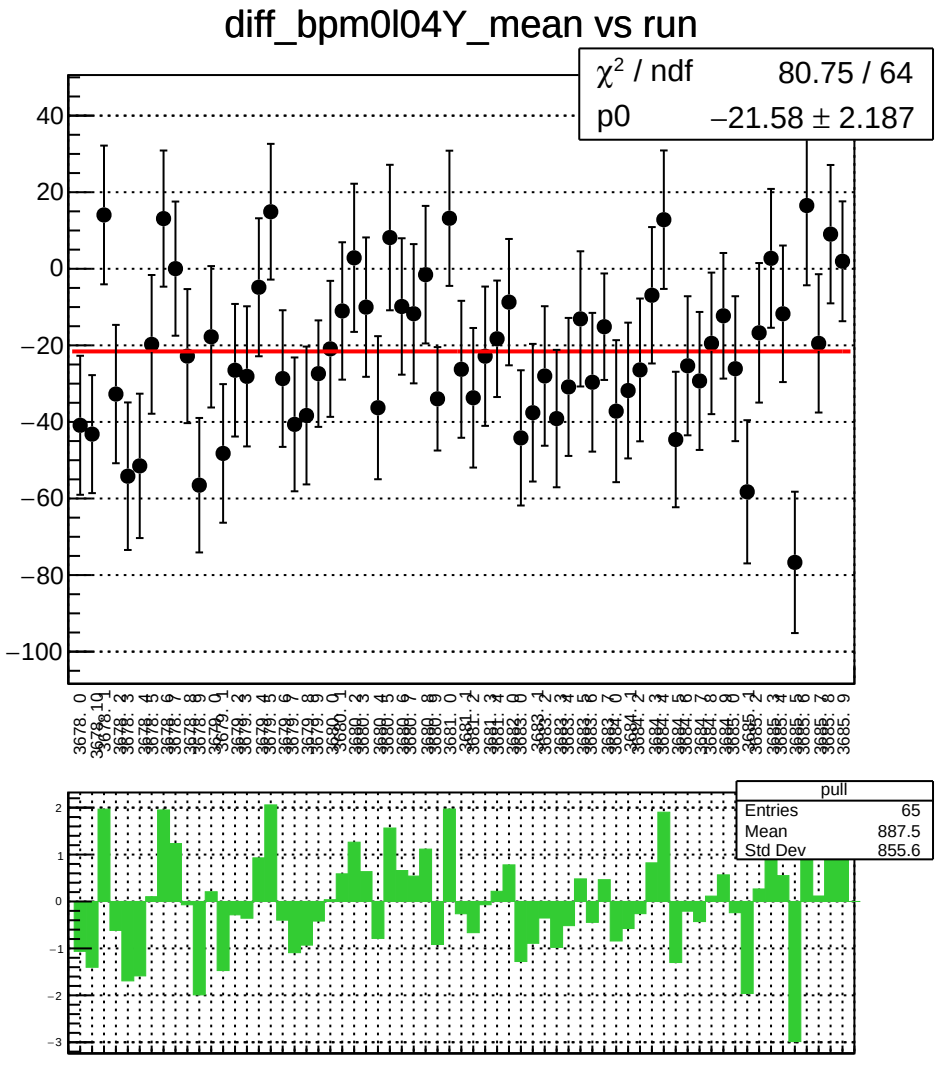

pull1D
Entries 65
Mean 0.01387
Std Dev 1.119

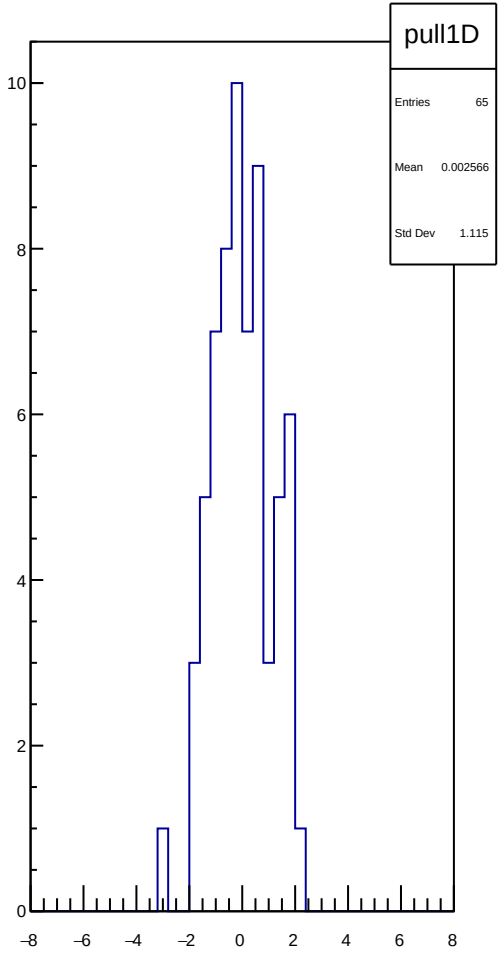

diff_bpm0l03Y_rms vs run
χ² / ndf 901.6 / 64
p0 2168 ± 1.952
2500
2400
2300
2200
2100

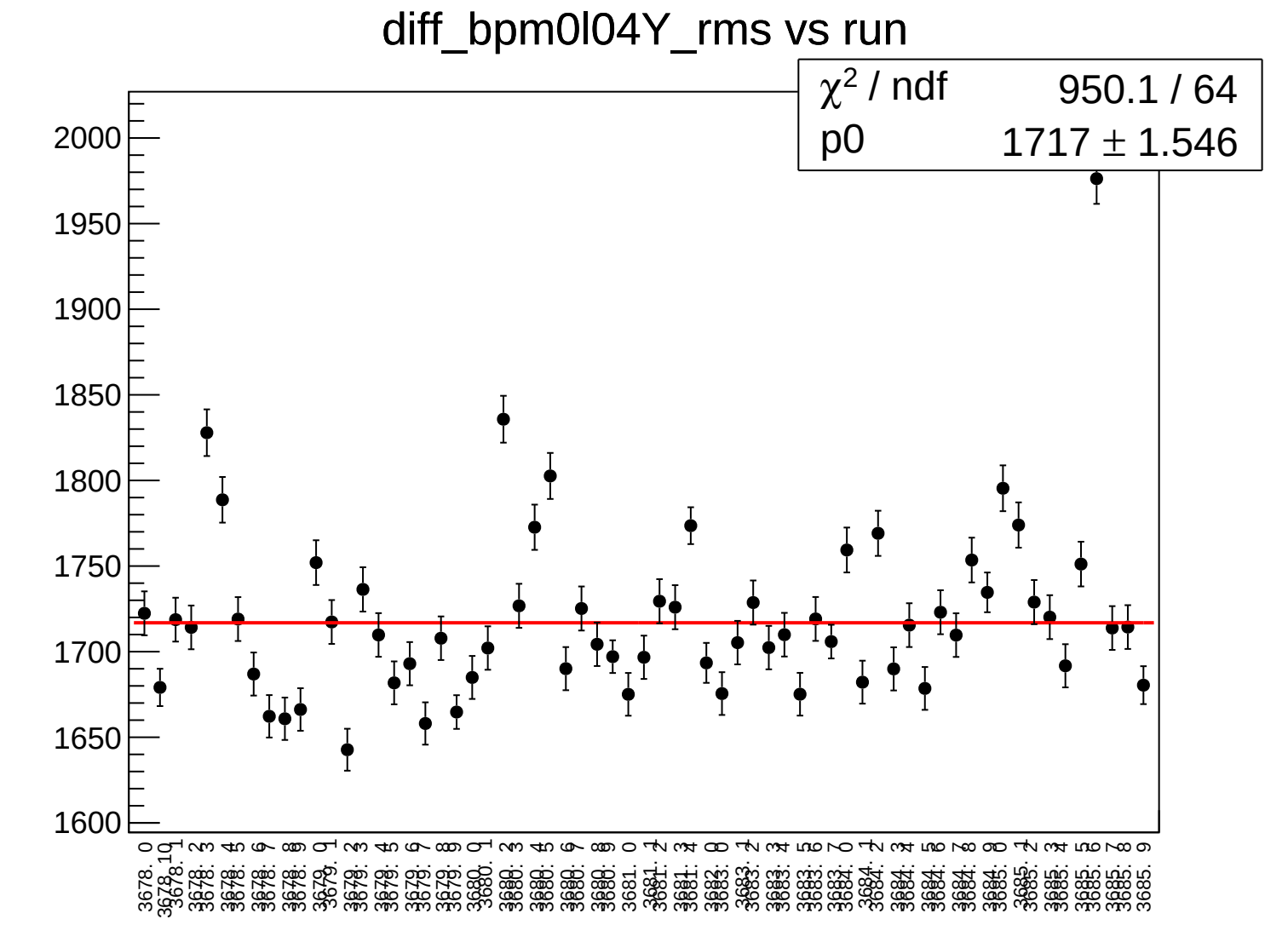

diff_bpm0l04X_mean vs run
χ^2 / ndf 53.57 / 64
p0 −6.083 ± 8.62
200
100
0
−100
−200
pull
Entries 65
Mean 94.8
Std Dev 55.53
1.5
1
0.5
0
−0.5
−1
−1.5
−2

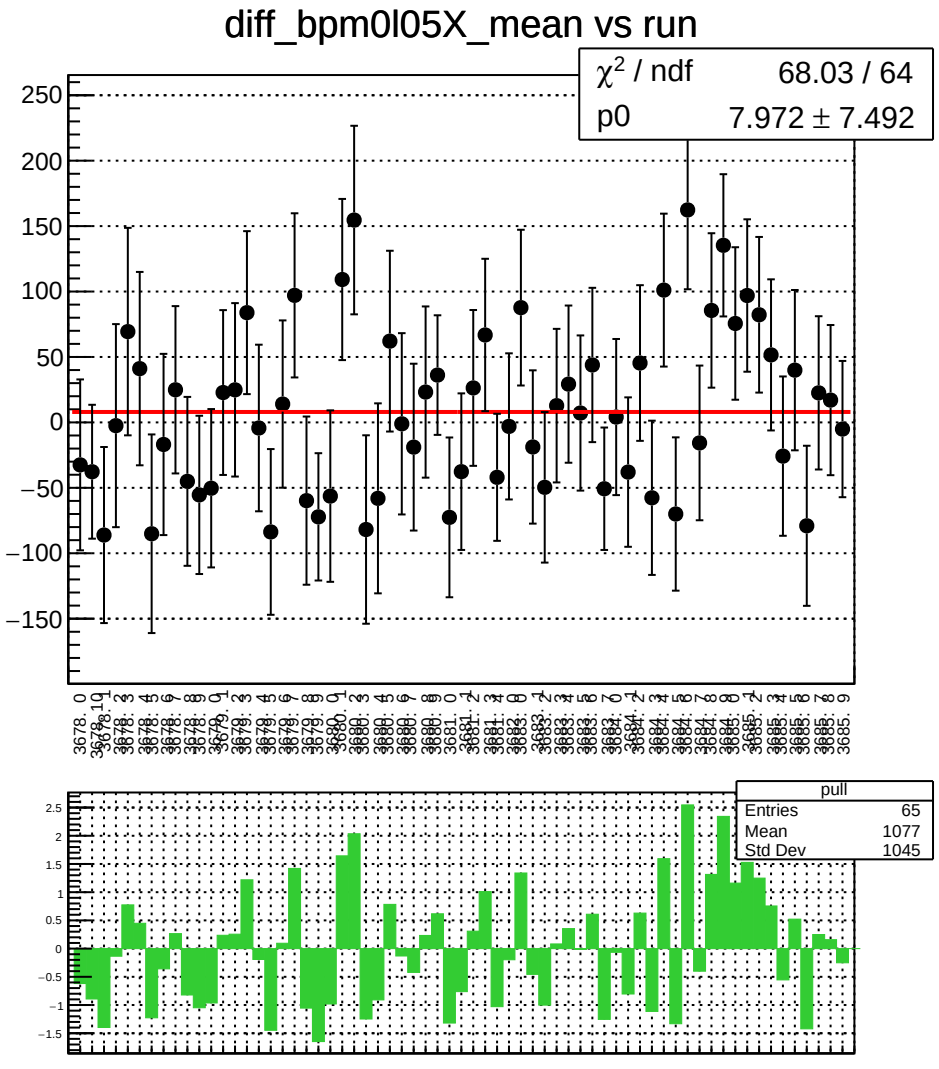

pull1D
Entries 65
Mean −0.003424
Std Dev 0.9078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

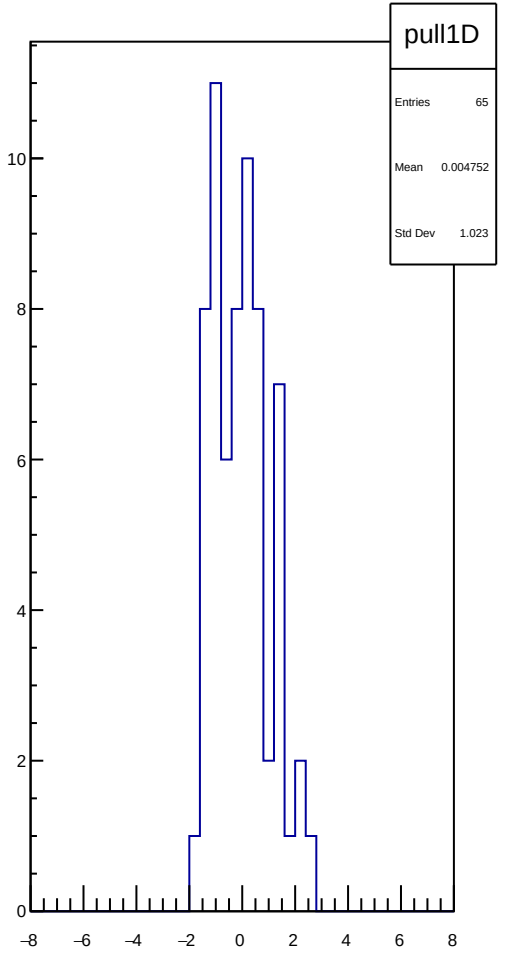

diff_bpm0l04X_rms vs run
χ² / ndf 51.31 / 64
p0 6770 ± 6.095
6950
6900
6850
6800
6750
6700
6650
6600

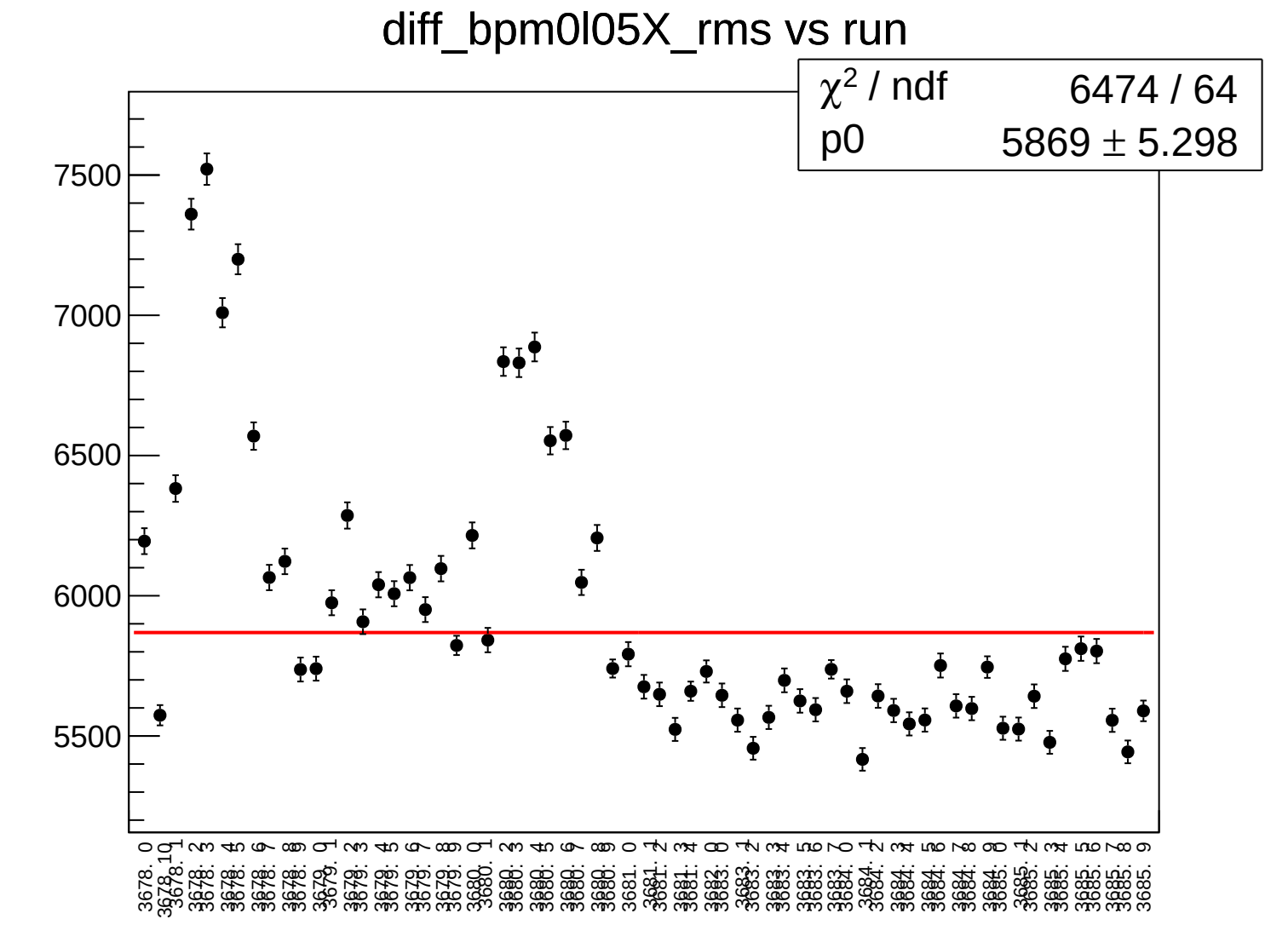

diff_bpm0l04Y_mean vs run
χ² / ndf 80.75 / 64
p0 −21.58 ± 2.187
pull
Entries 65
Mean 887.5
Std Dev 855.6

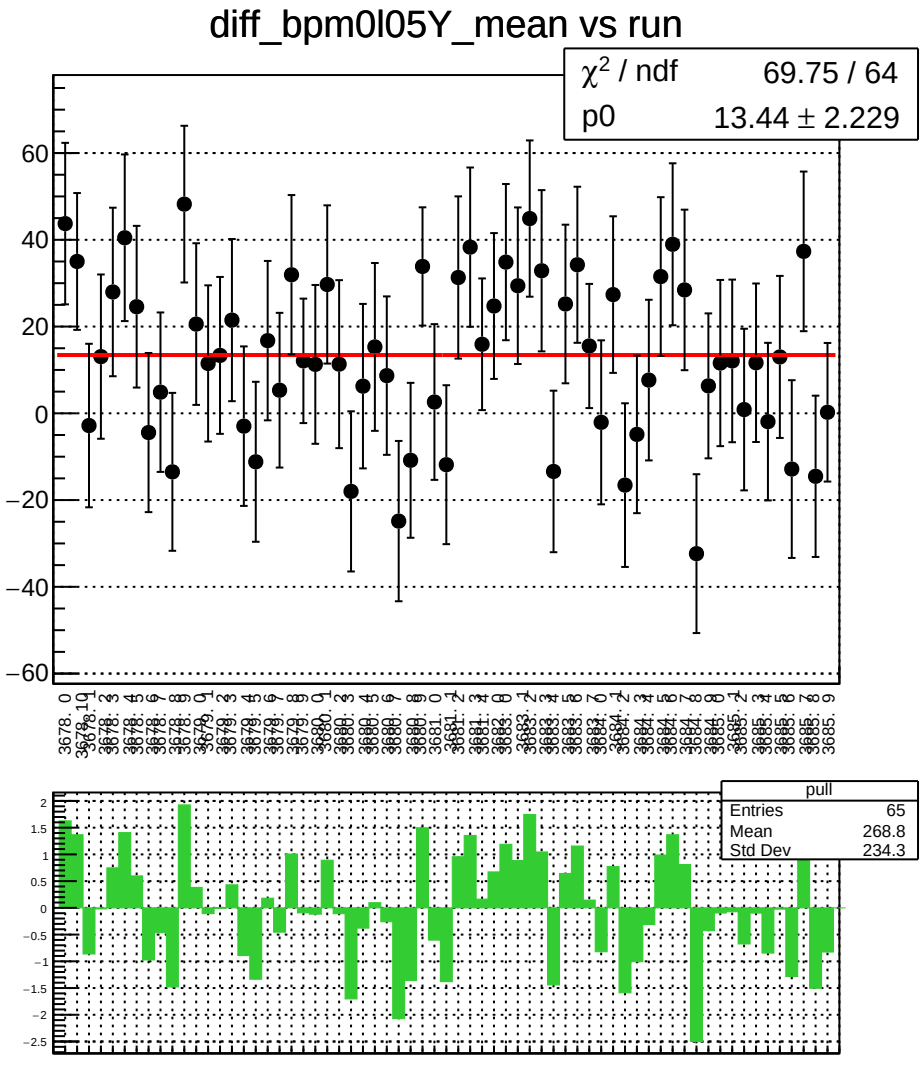

pull1D
Entries 65
Mean 0.002566
Std Dev 1.115

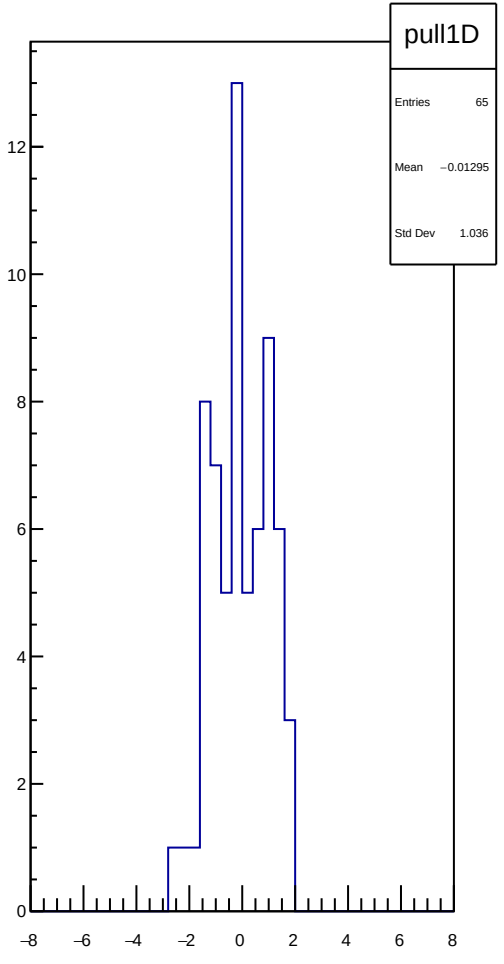

diff_bpm0l04Y_rms vs run
χ² / ndf 950.1 / 64
p0 1717 ± 1.546
2000
1950
1900
1850
1800
1750
1700
1650
1600

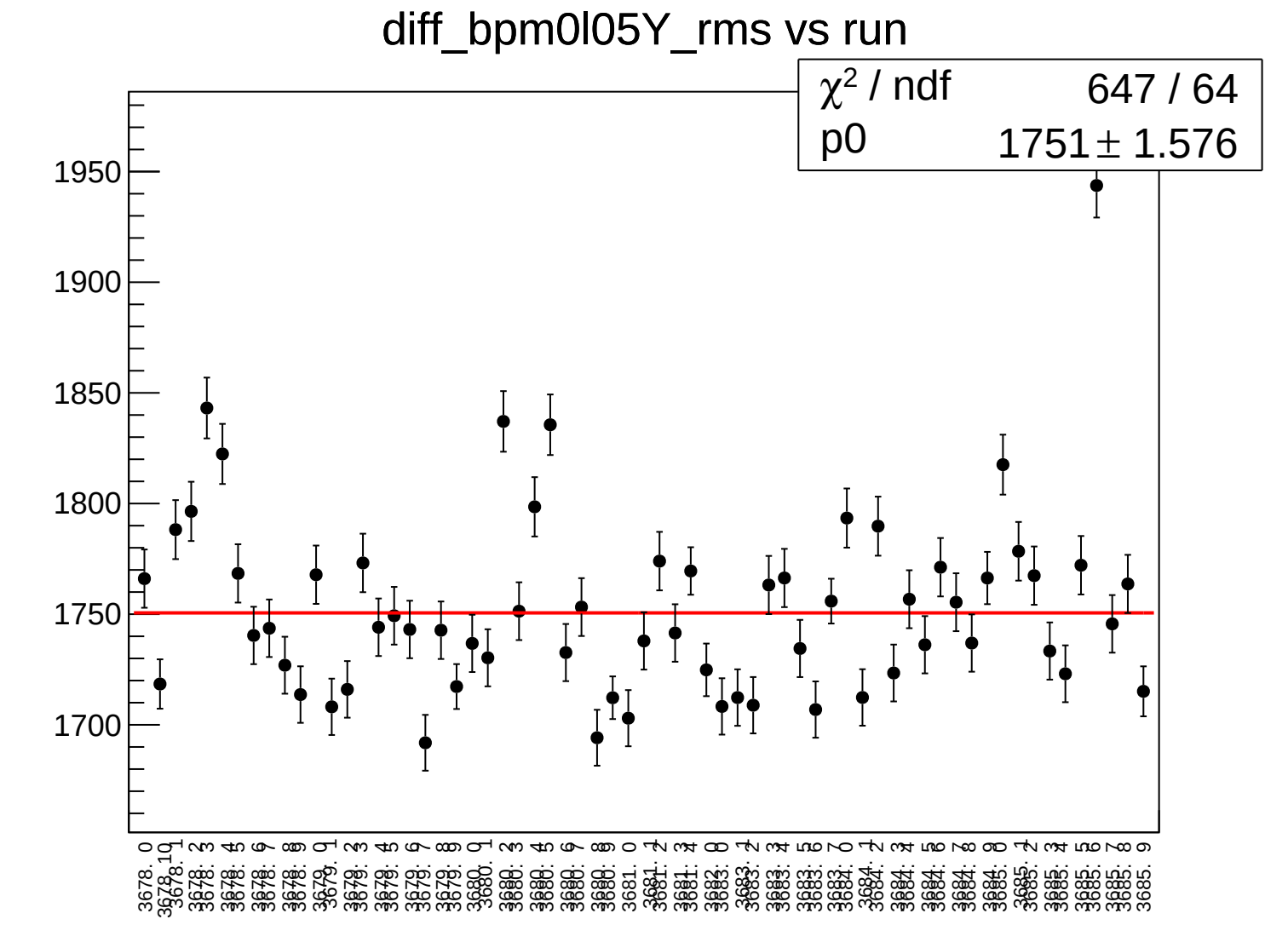

diff_bpm0l05X_mean vs run
χ² / ndf 68.03 / 64
p0 7.972 ± 7.492
pull
Entries 65
Mean 1077
Std Dev 1045

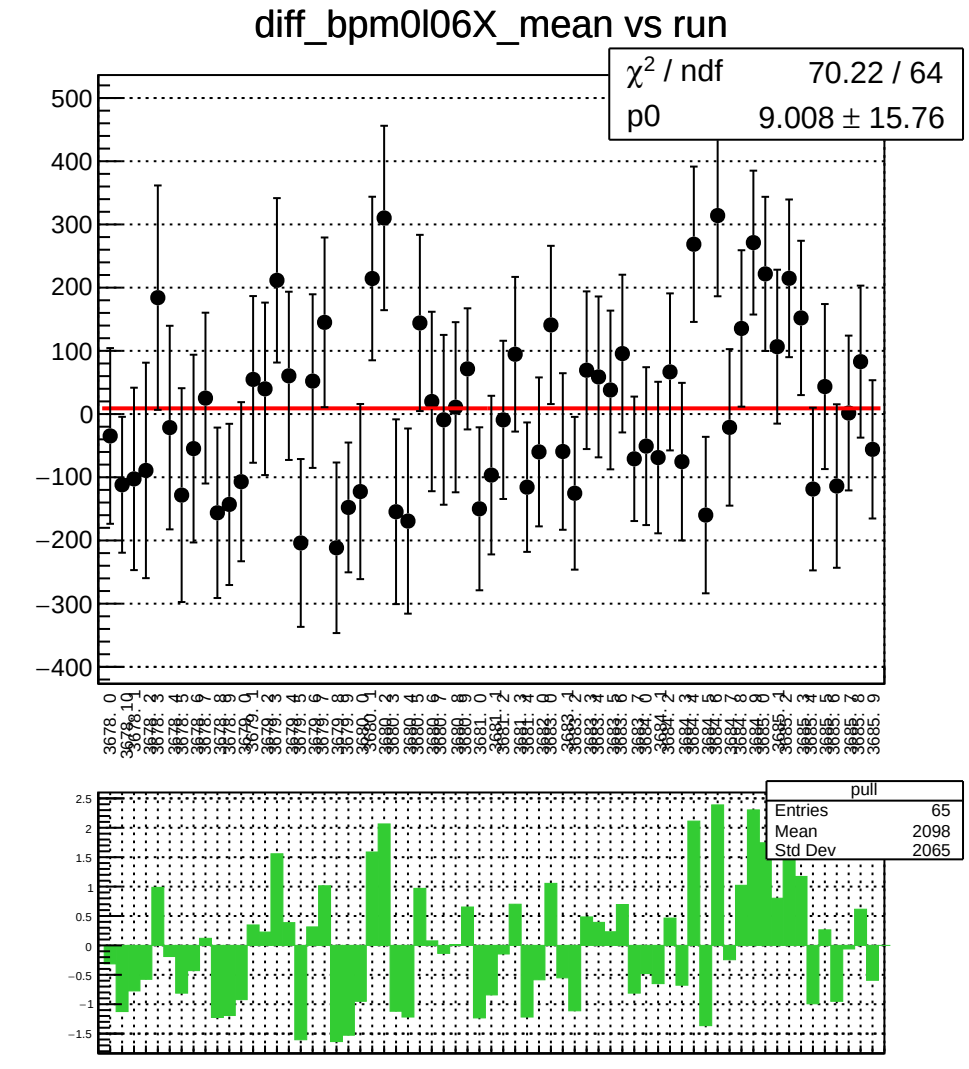

pull1D
Entries 65
Mean 0.004752
Std Dev 1.023

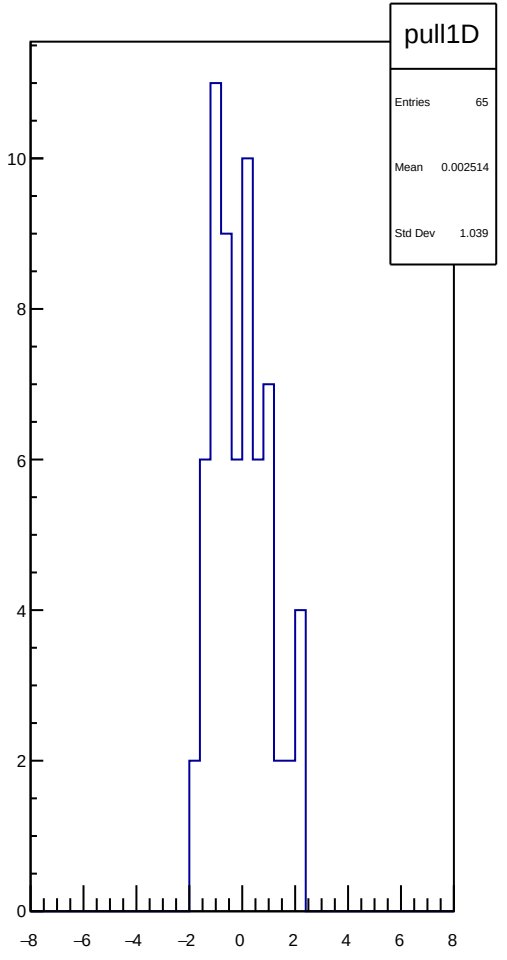

diff_bpm0l05X_rms vs run
χ² / ndf 6474 / 64
p0 5869 ± 5.298
7500
7000
6500
6000
5500

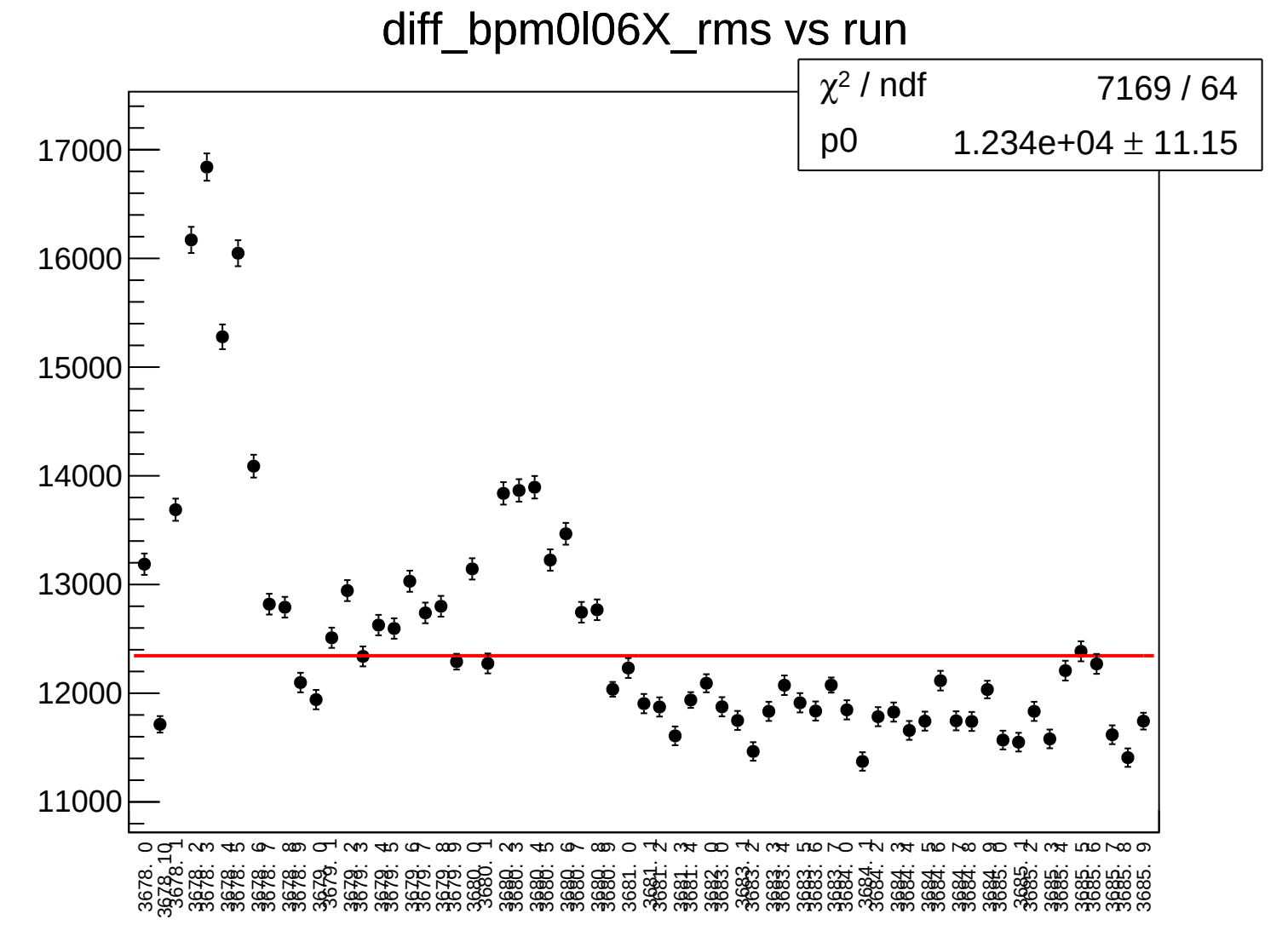

diff_bpm0l05Y_mean vs run
χ^2 / ndf 69.75 / 64
p0 13.44 ± 2.229
pull
Entries 65
Mean 268.8
Std Dev 234.3

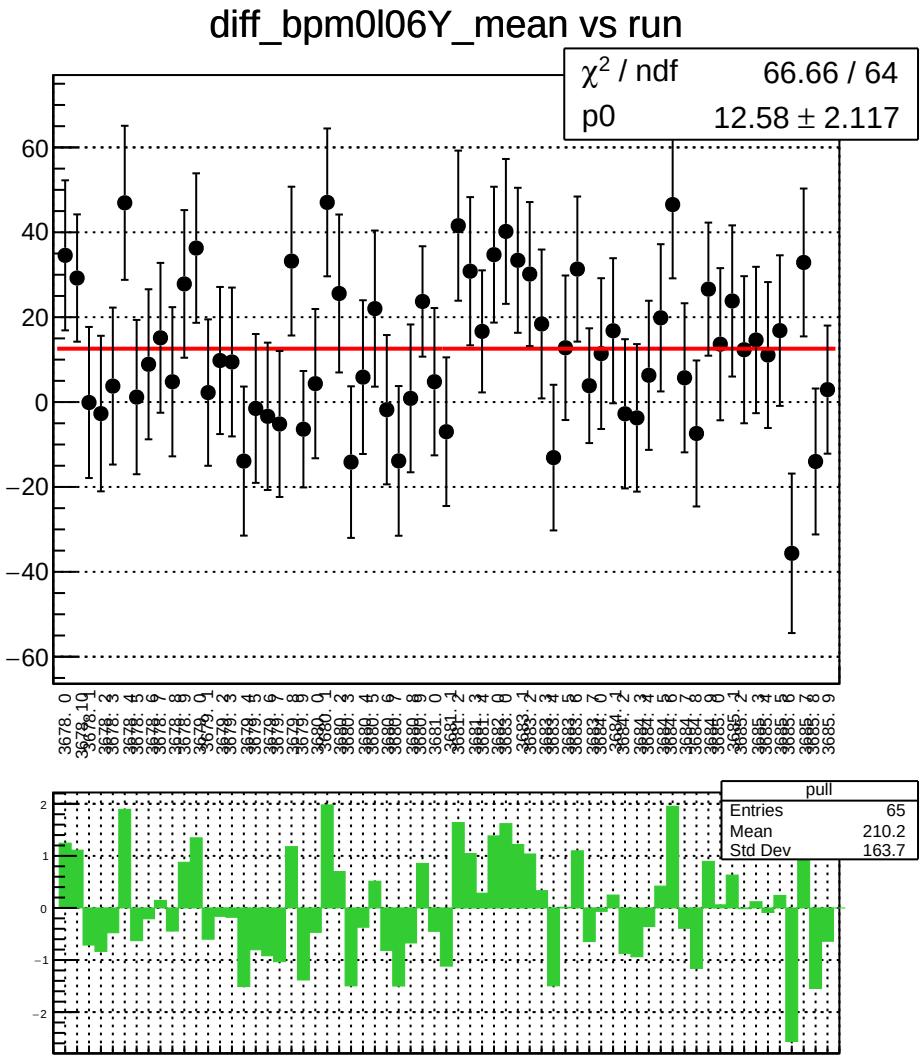

pull1D
Entries 65
Mean −0.01295
Std Dev 1.036

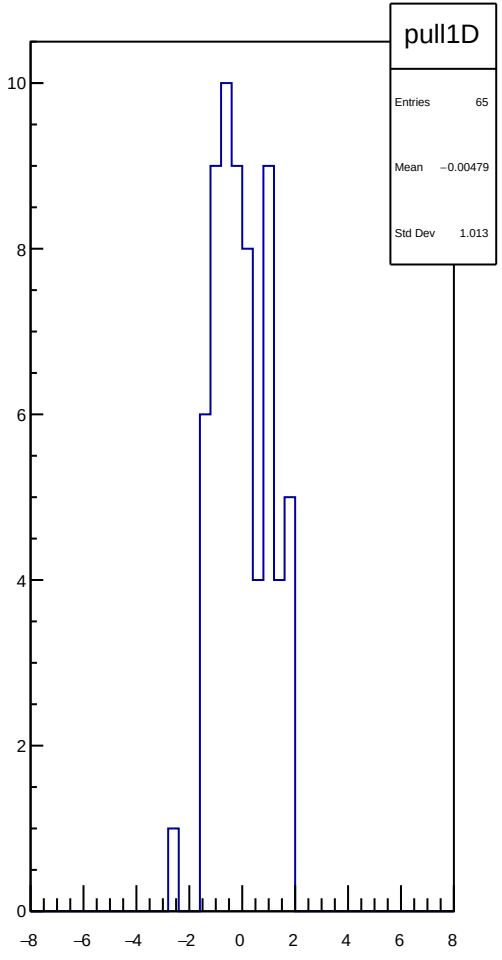

diff_bpm0l05Y_rms vs run
χ² / ndf 647 / 64
p0 1751 ± 1.576
1950
1900
1850
1800
1750
1700

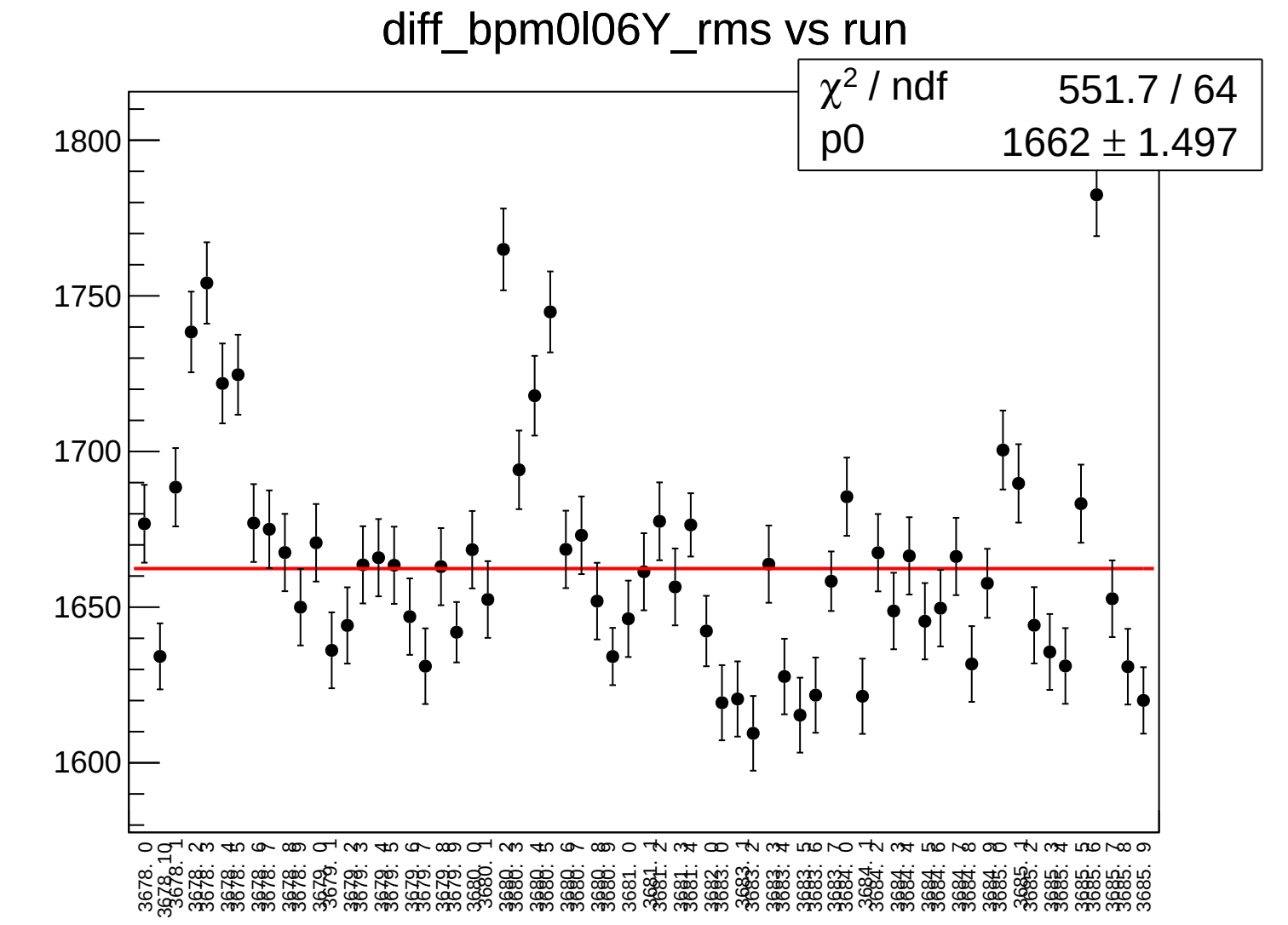

diff_bpm0l06X_mean vs run
χ² / ndf 70.22 / 64
p0 9.008 ± 15.76
pull
Entries 65
Mean 2098
Std Dev 2065

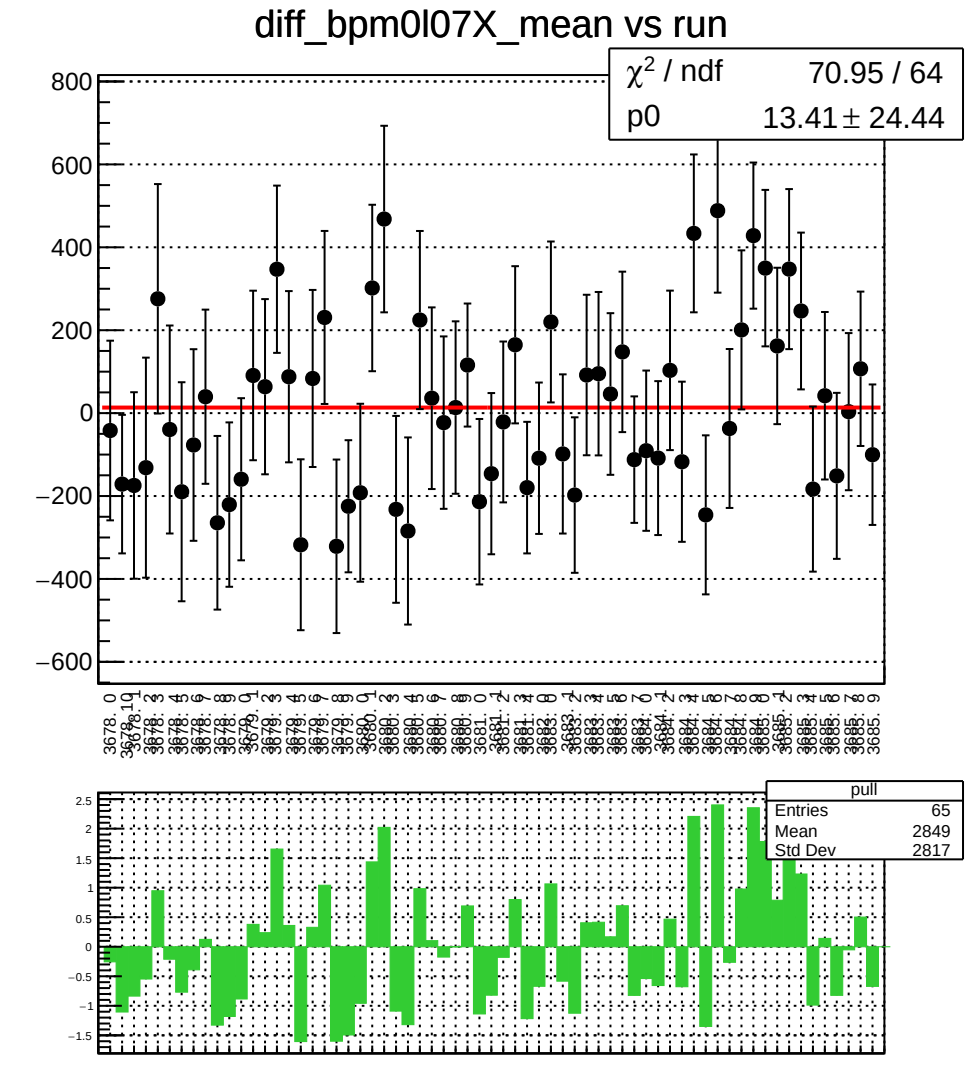

pull1D
Entries 65
Mean 0.002514
Std Dev 1.039

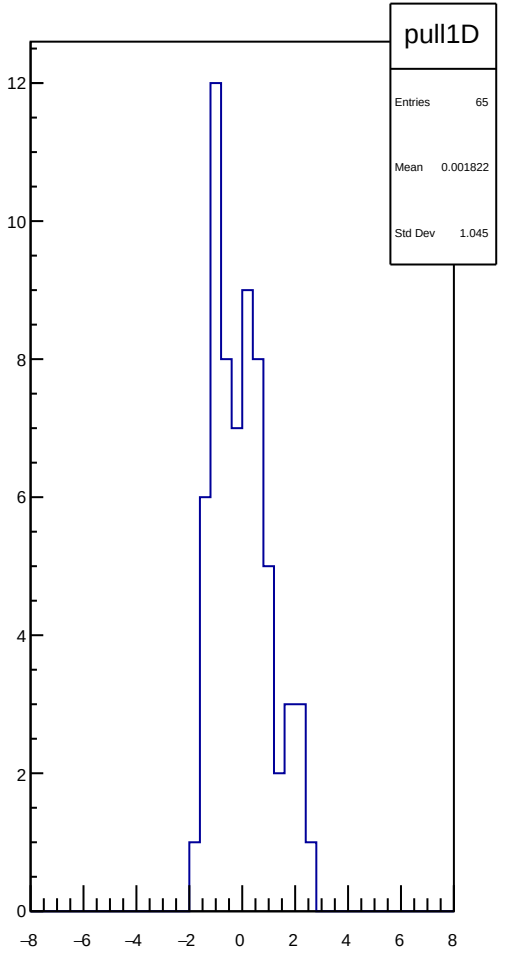

diff_bpm0l06X_rms vs run
χ² / ndf 7169 / 64
p0 1.234e+04 ± 11.15
17000
16000
15000
14000
13000
12000
11000

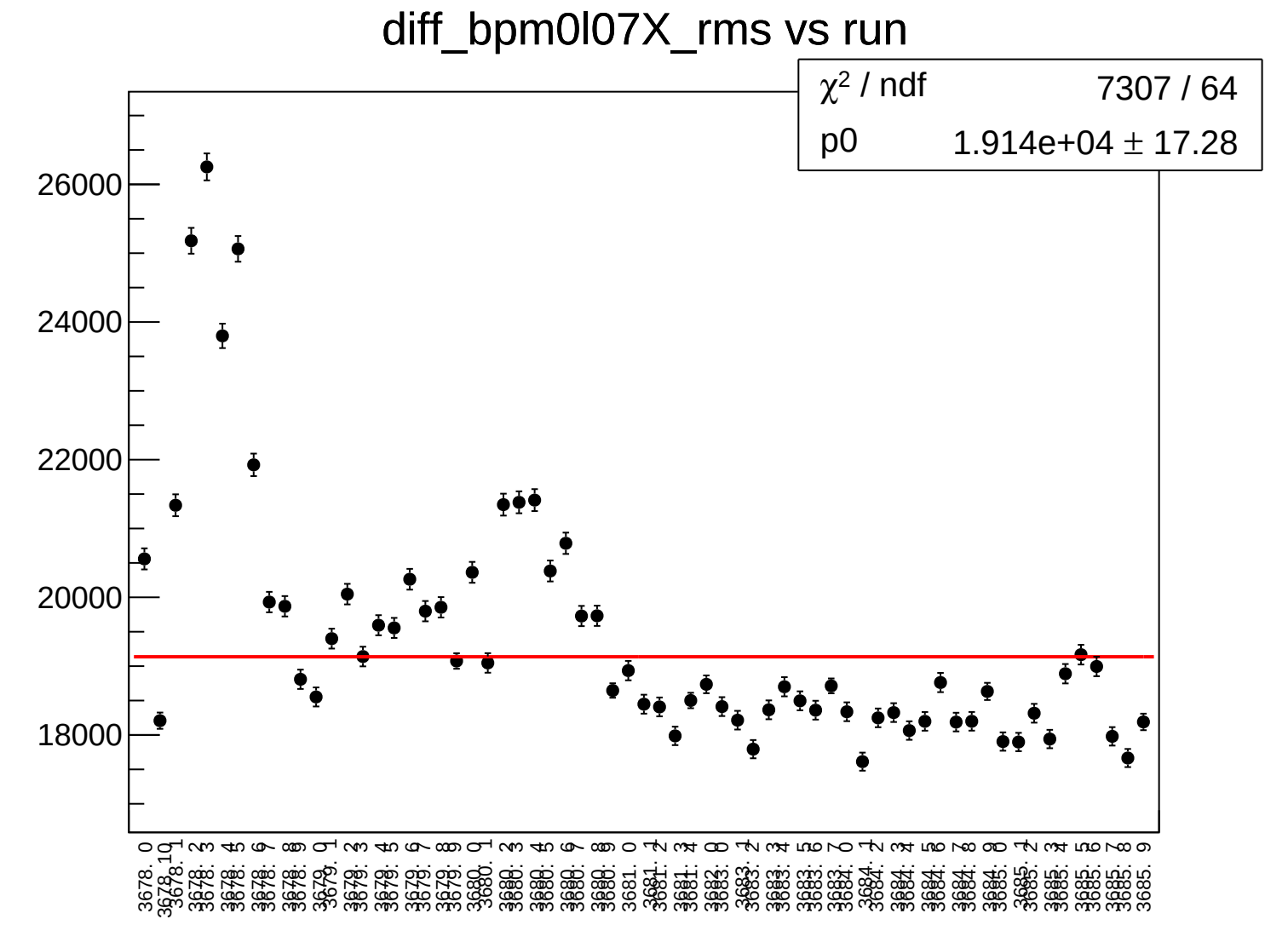

diff_bpm0l06Y_mean vs run
χ² / ndf 66.66 / 64
p0 12.58 ± 2.117
pull
Entries 65
Mean 210.2
Std Dev 163.7

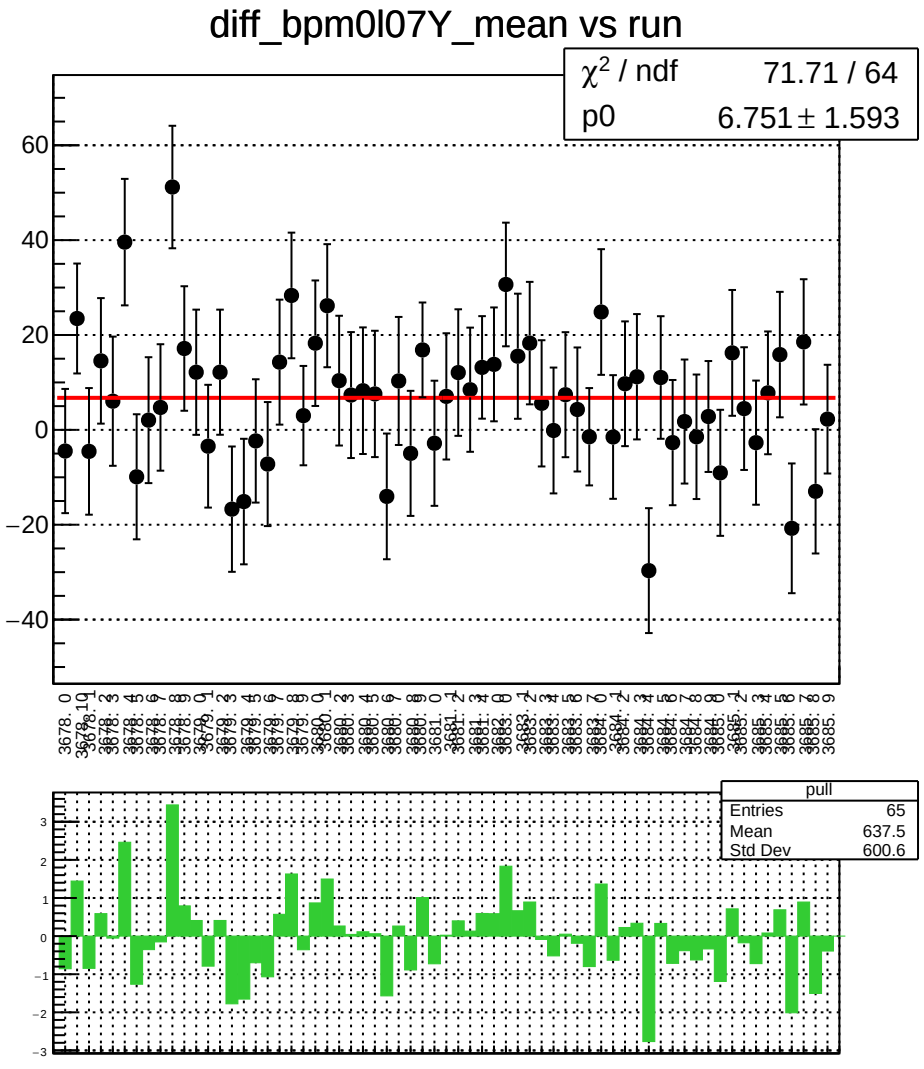

pull1D
Entries 65
Mean −0.00479
Std Dev 1.013

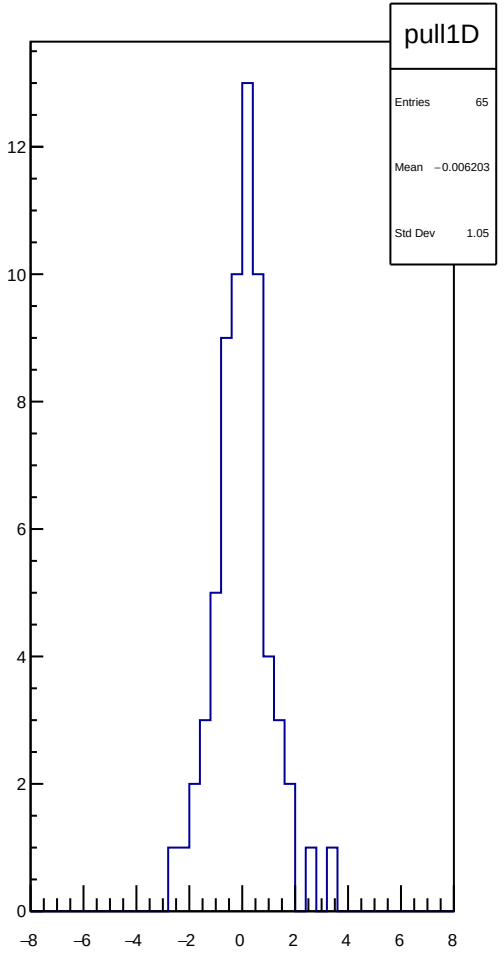

diff_bpm0l06Y_rms vs run
χ² / ndf 551.7 / 64
p0 1662 ± 1.497
1800
1750
1700
1650
1600

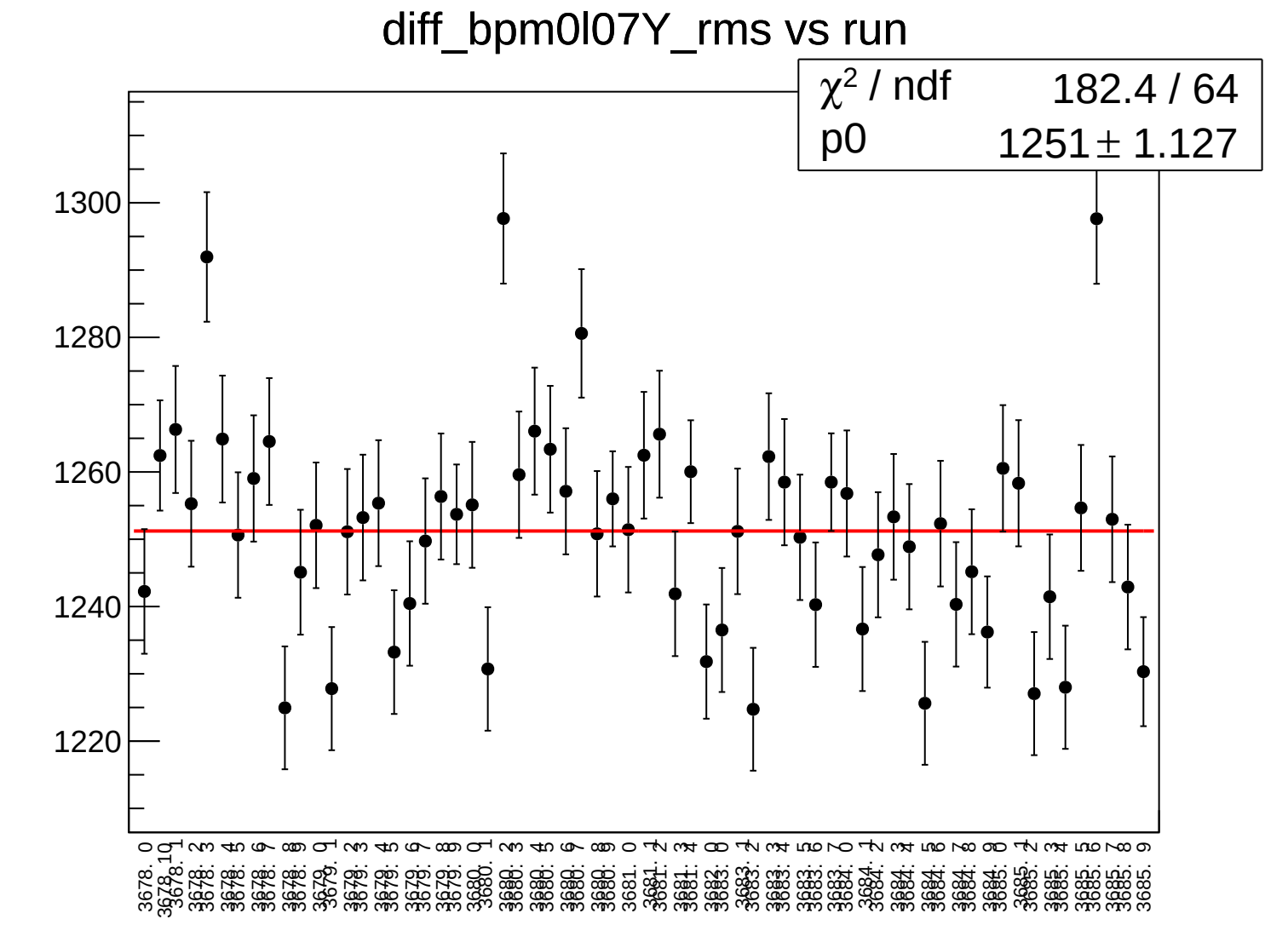

diff_bpm0l07X_mean vs run
χ² / ndf 70.95 / 64
p0 13.41 ± 24.44
pull
Entries 65
Mean 2849
Std Dev 2817

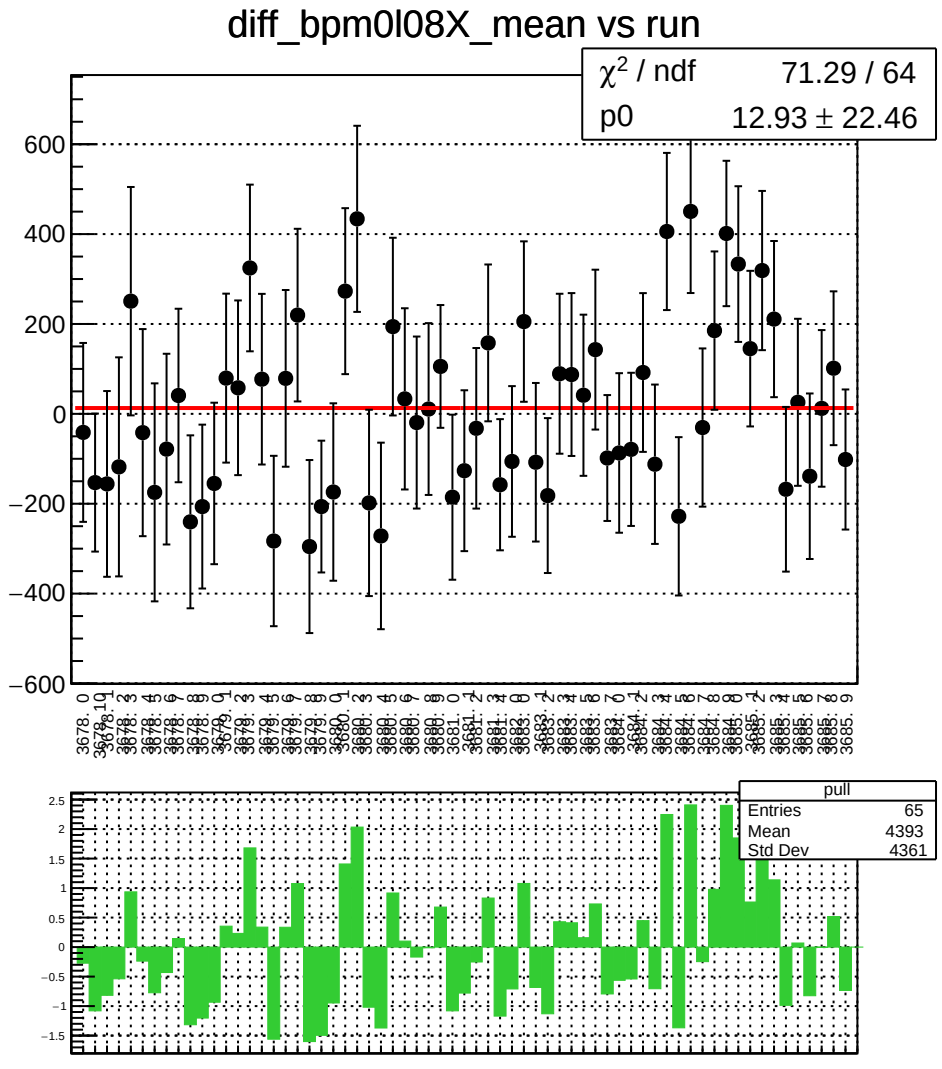

pull1D
Entries 65
Mean 0.001822
Std Dev 1.045

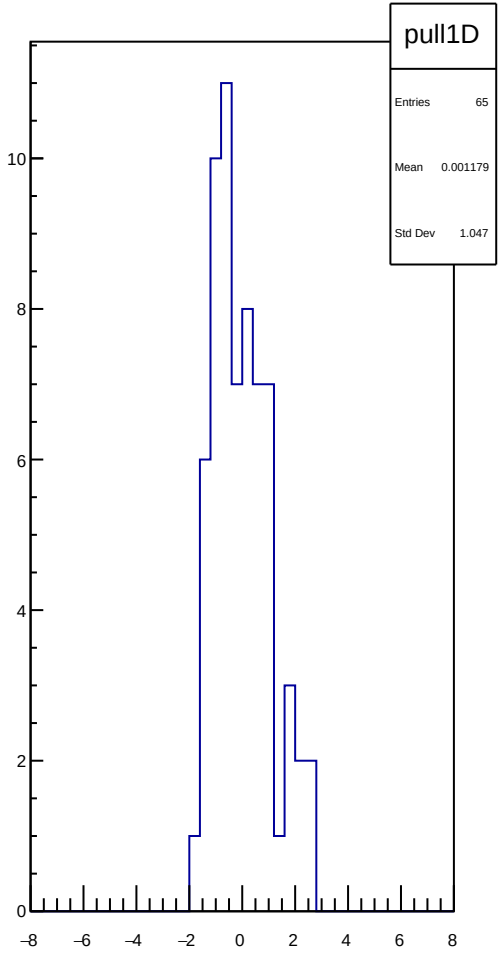

diff_bpm0l07X_rms vs run
χ² / ndf 7307 / 64
p0 1.914e+04 ± 17.28
26000
24000
22000
20000
18000

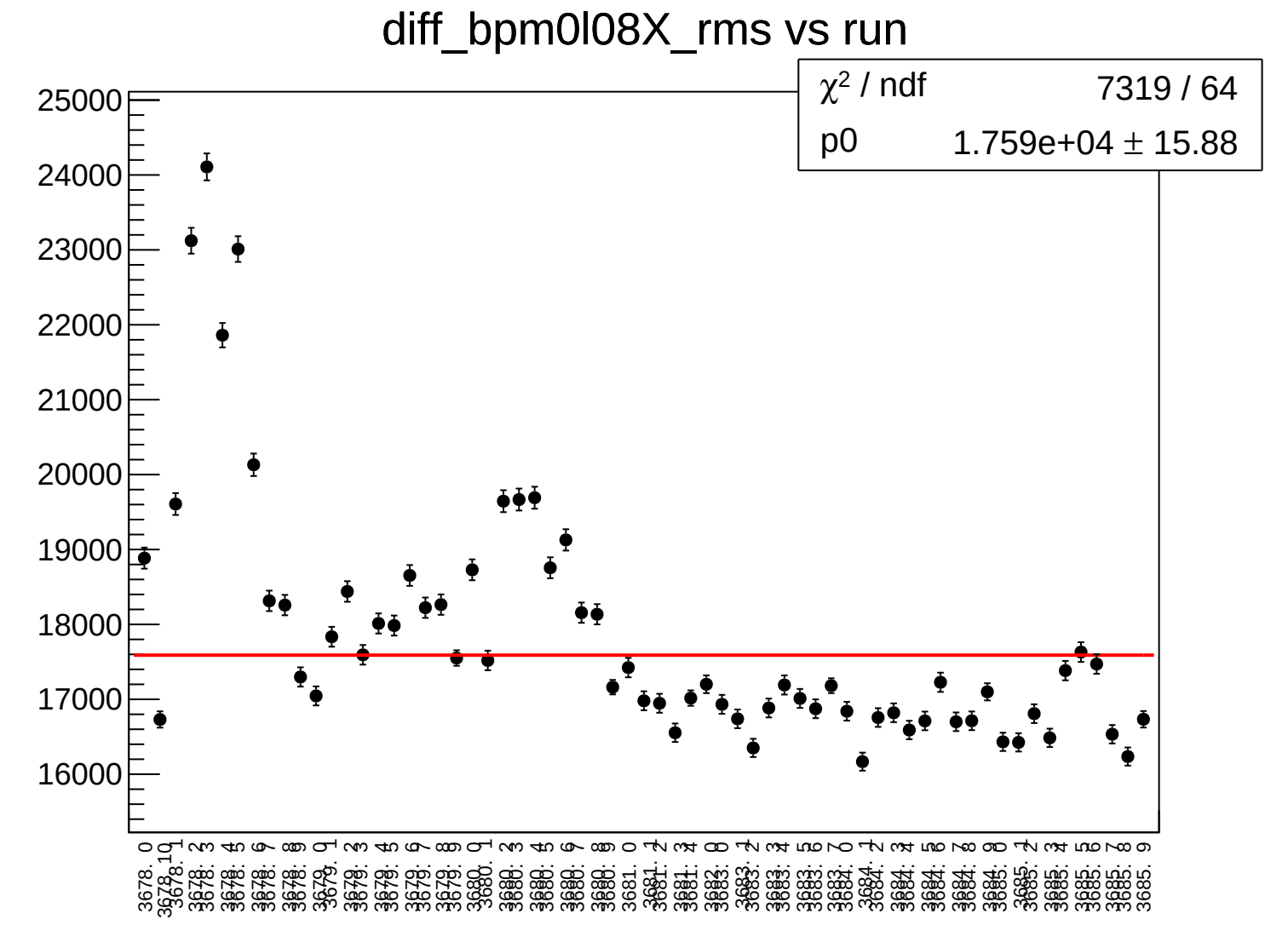

diff_bpm0l07Y_mean vs run
χ² / ndf 71.71 / 64
p0 6.751 ± 1.593
pull
Entries 65
Mean 637.5
Std Dev 600.6

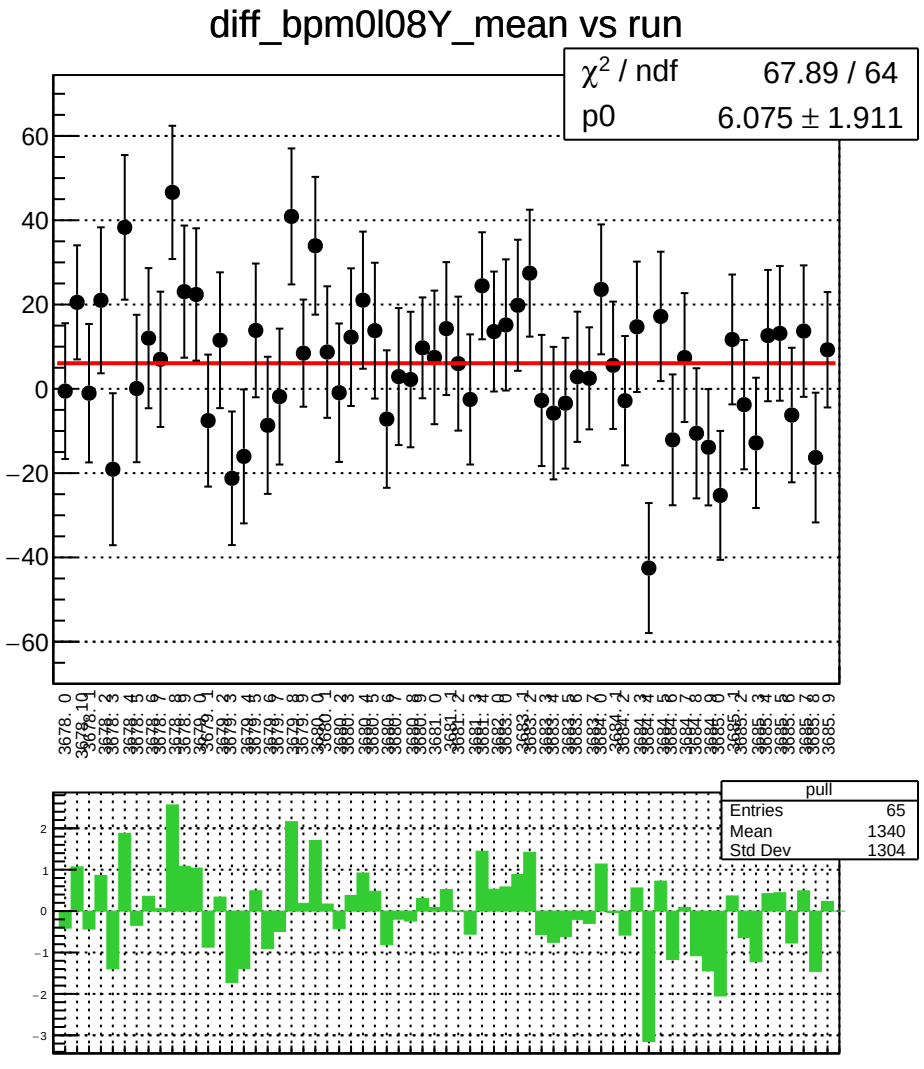

pull1D
Entries 65
Mean −0.006203
Std Dev 1.05

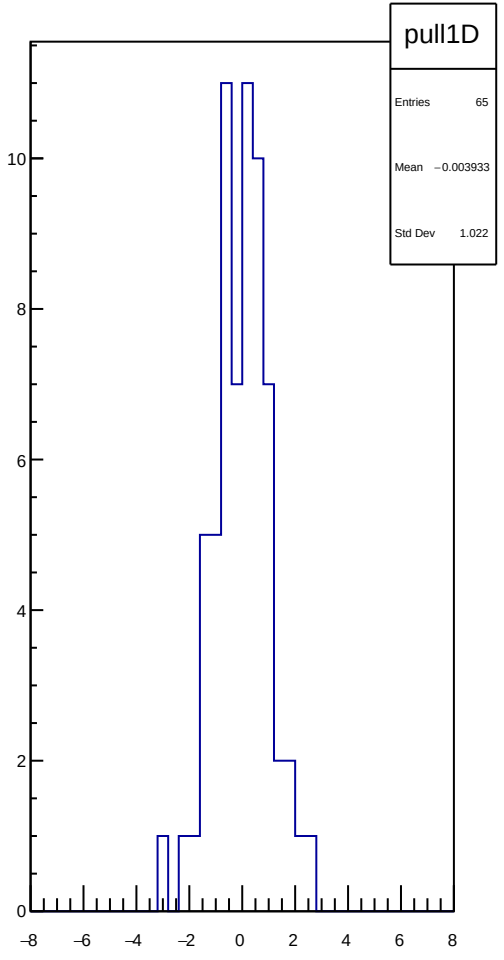

diff_bpm0l07Y_rms vs run
χ² / ndf 182.4 / 64
p0 1251 ± 1.127
1300
1280
1260
1240
1220

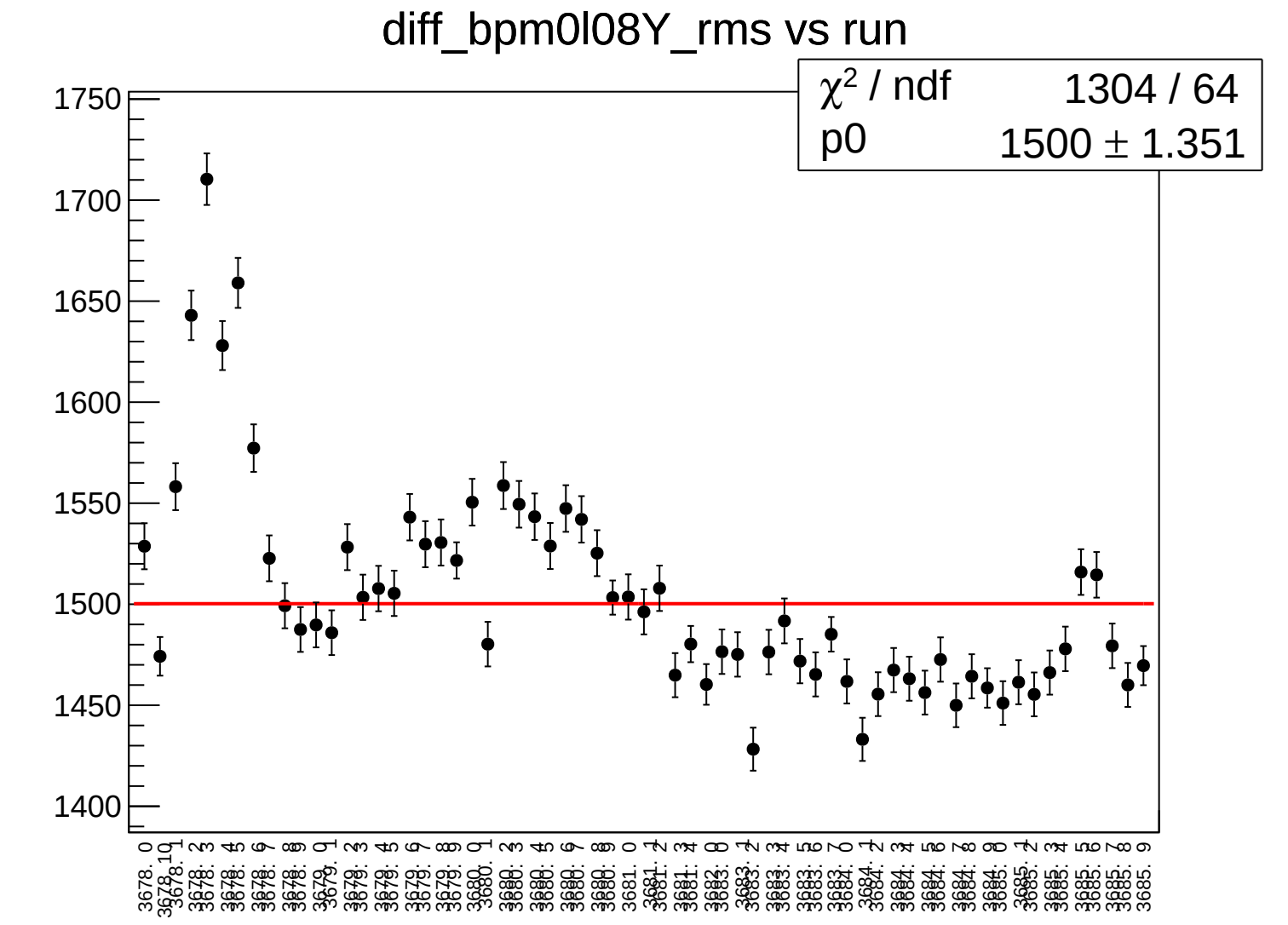

diff_bpm0l08X_mean vs run
χ^2 / ndf 71.29 / 64
p0 12.93 ± 22.46
pull
Entries 65
Mean 4393
Std Dev 4361

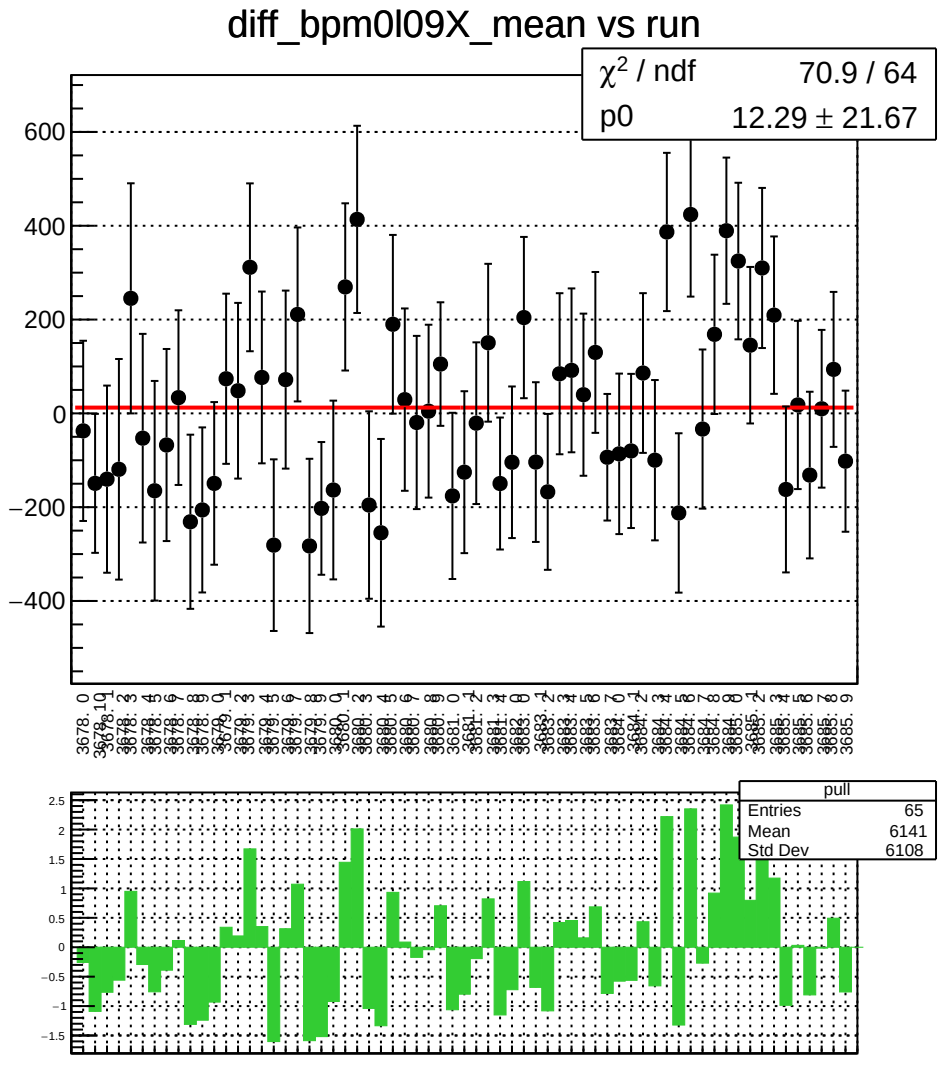

pull1D
Entries 65
Mean 0.001179
Std Dev 1.047

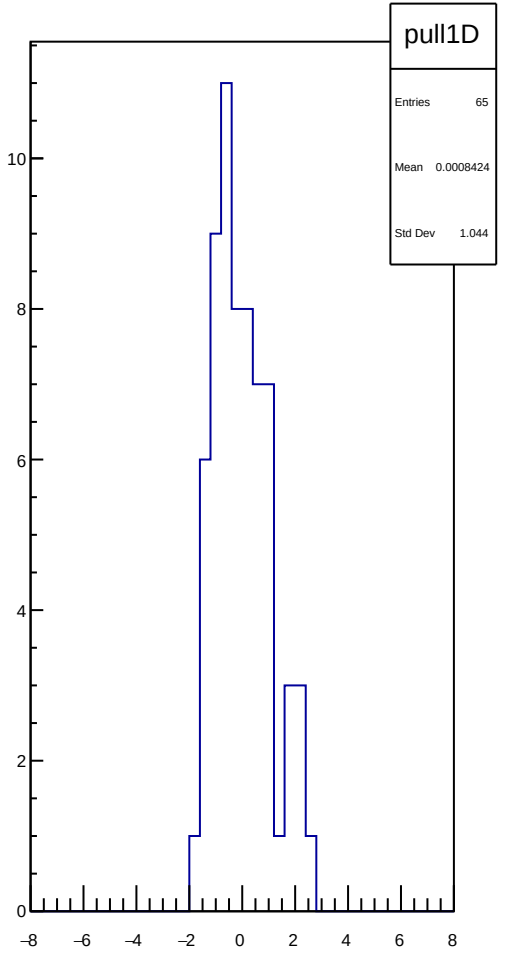

diff_bpm0l08X_rms vs run
χ² / ndf 7319 / 64
p0 1.759e+04 ± 15.88
25000
24000
23000
22000
21000
20000
19000
18000
17000
16000

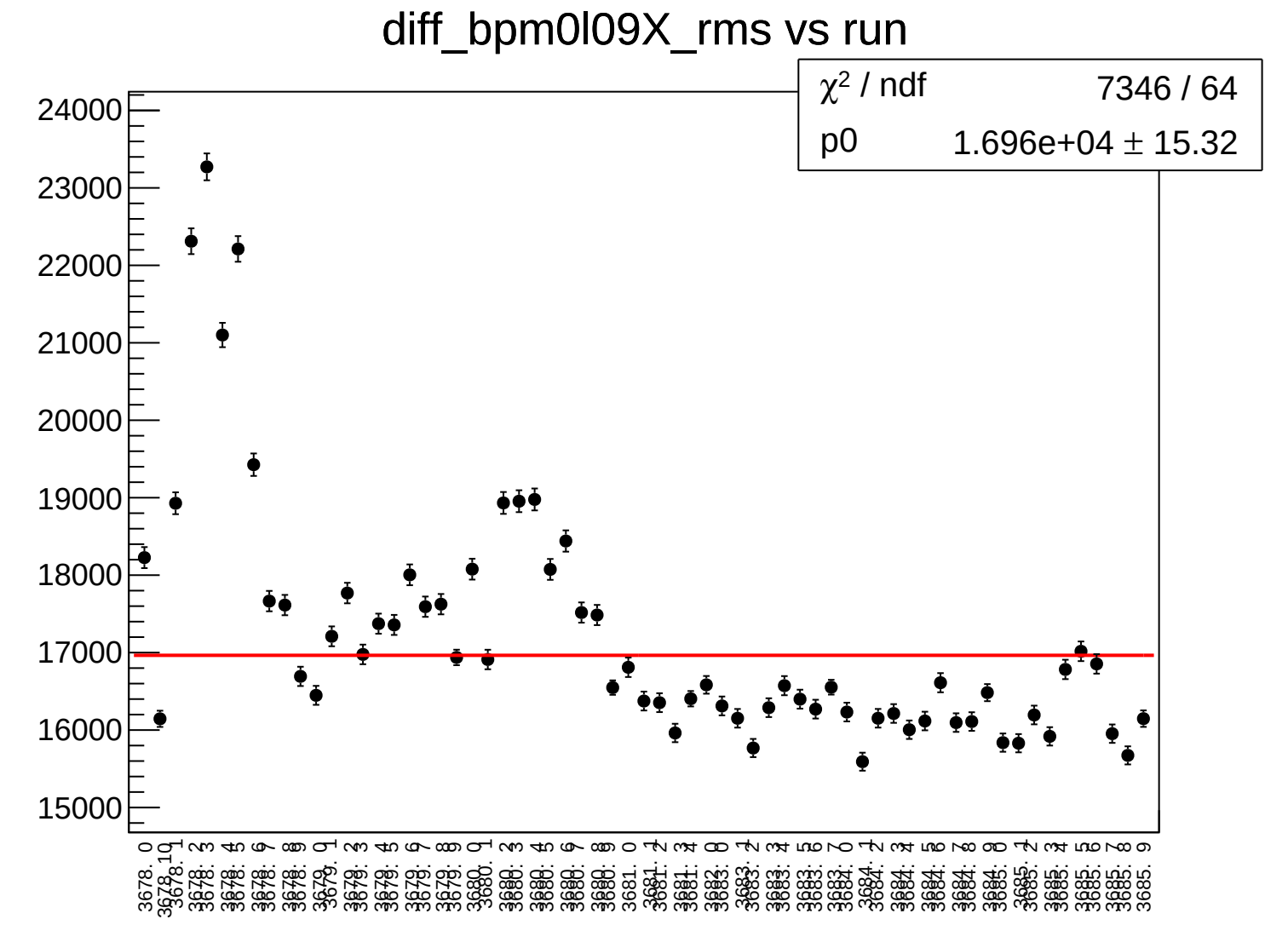

diff_bpm0l08Y_mean vs run
χ² / ndf 67.89 / 64
p0 6.075 ± 1.911
pull
Entries 65
Mean 1340
Std Dev 1304

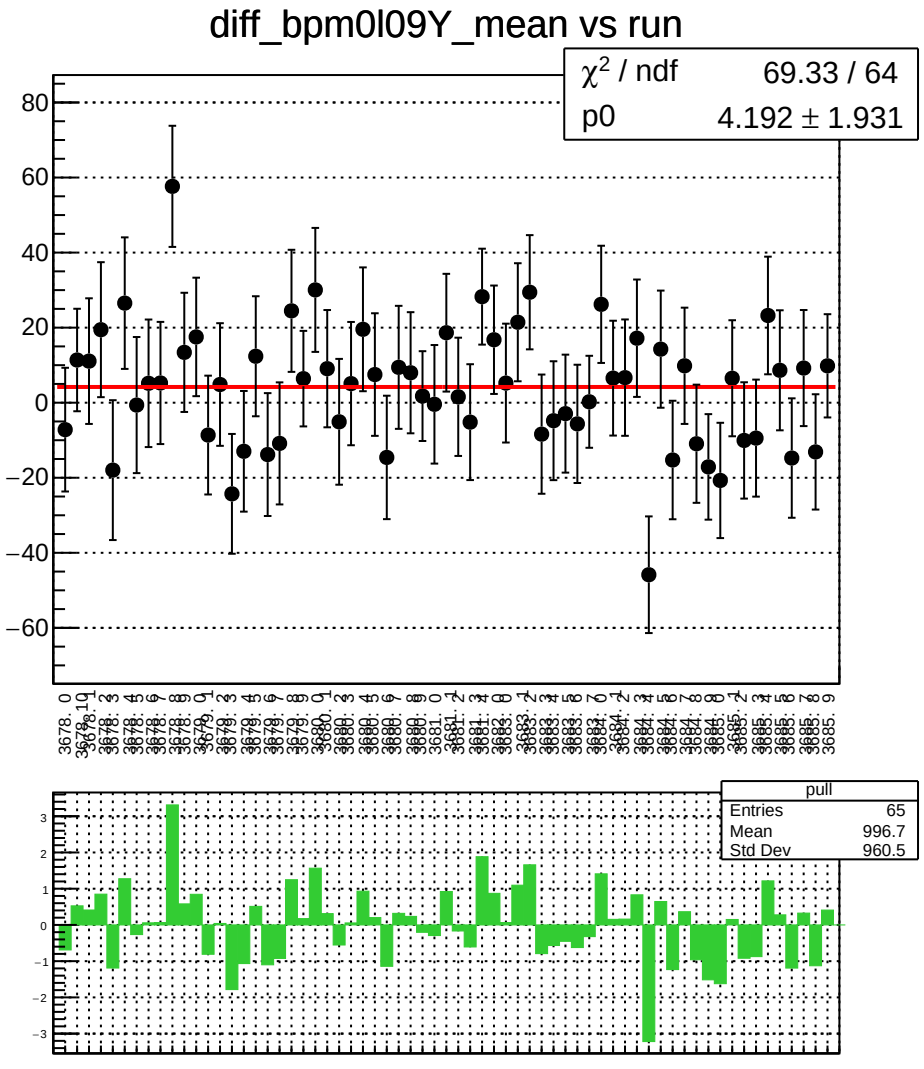

pull1D
Entries 65
Mean −0.003933
Std Dev 1.022

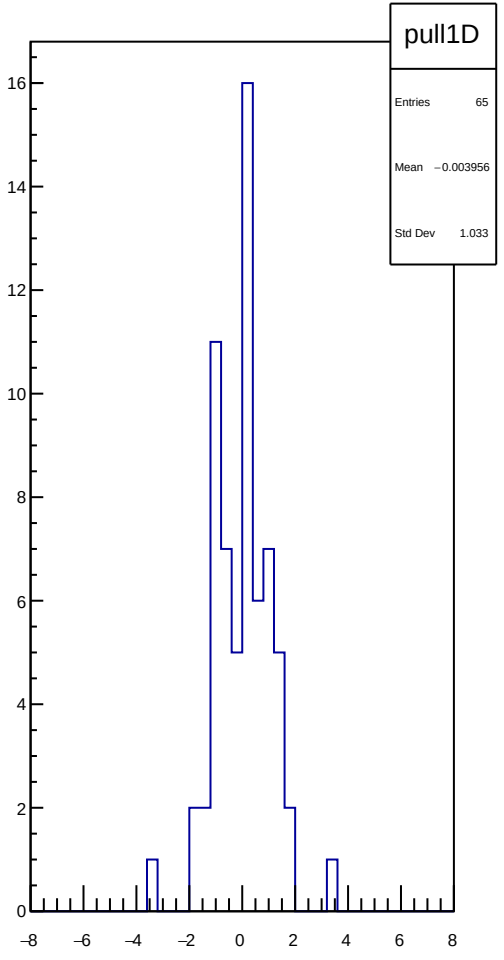

diff_bpm0l08Y_rms vs run
χ² / ndf 1304 / 64
p0 1500 ± 1.351
1750
1700
1650
1600
1550
1500
1450
1400

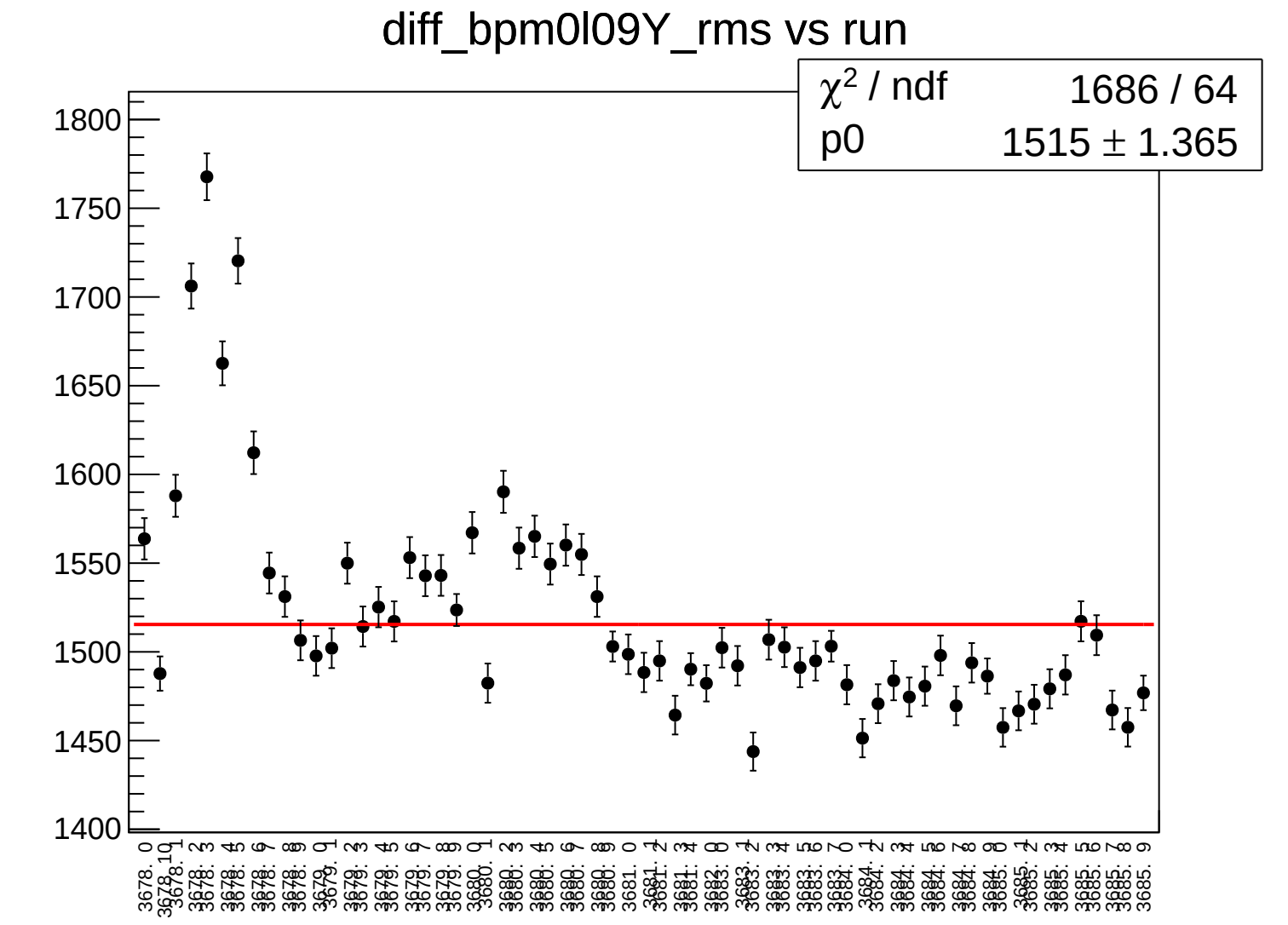

diff_bpm0l09X_mean vs run
χ^2 / ndf 70.9 / 64
p0 12.29 ± 21.67
pull
Entries 65
Mean 6141
Std Dev 6108

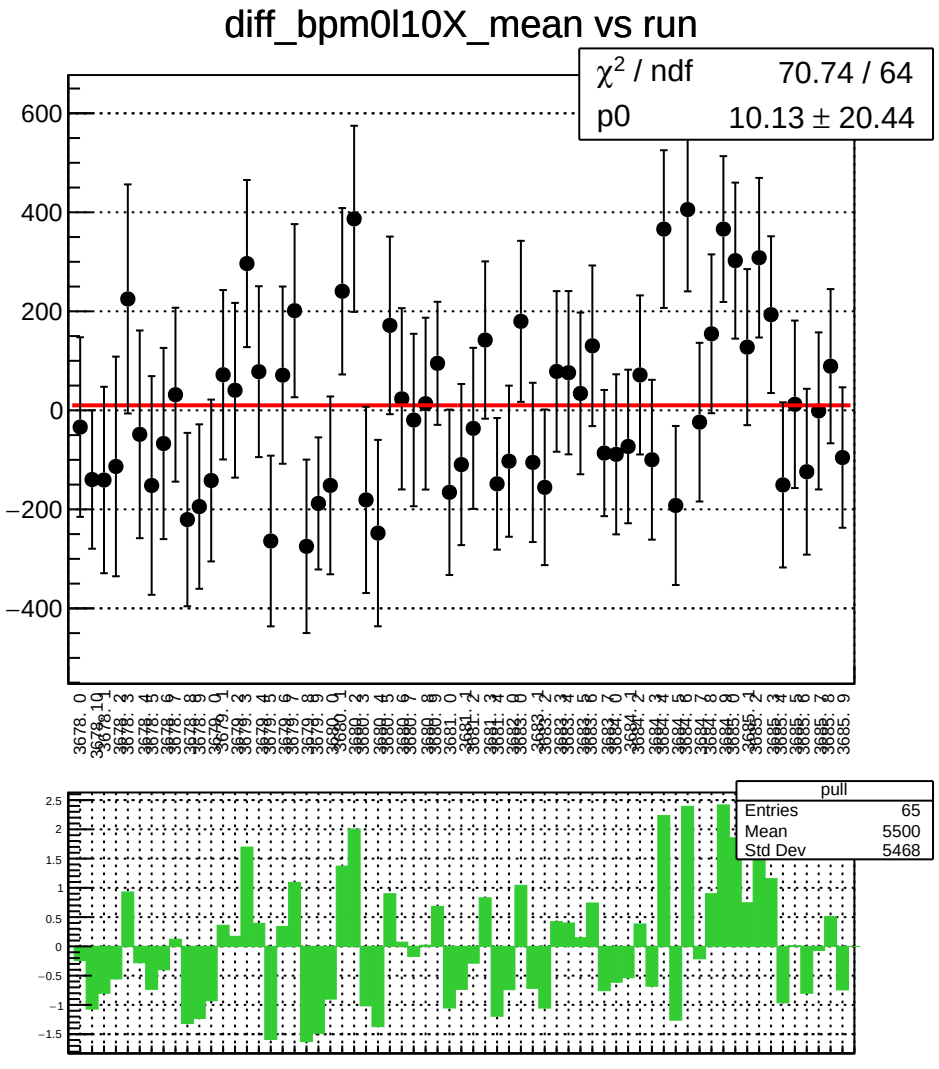

pull1D
Entries 65
Mean 0.0008424
Std Dev 1.044

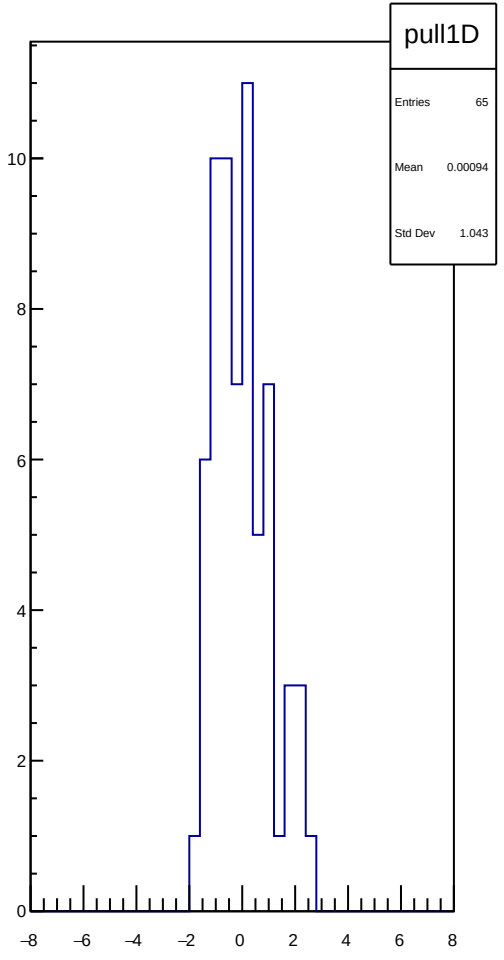

diff_bpm0l09X_rms vs run
χ² / ndf 7346 / 64
p0 1.696e+04 ± 15.32
24000
23000
22000
21000
20000
19000
18000
17000
16000
15000

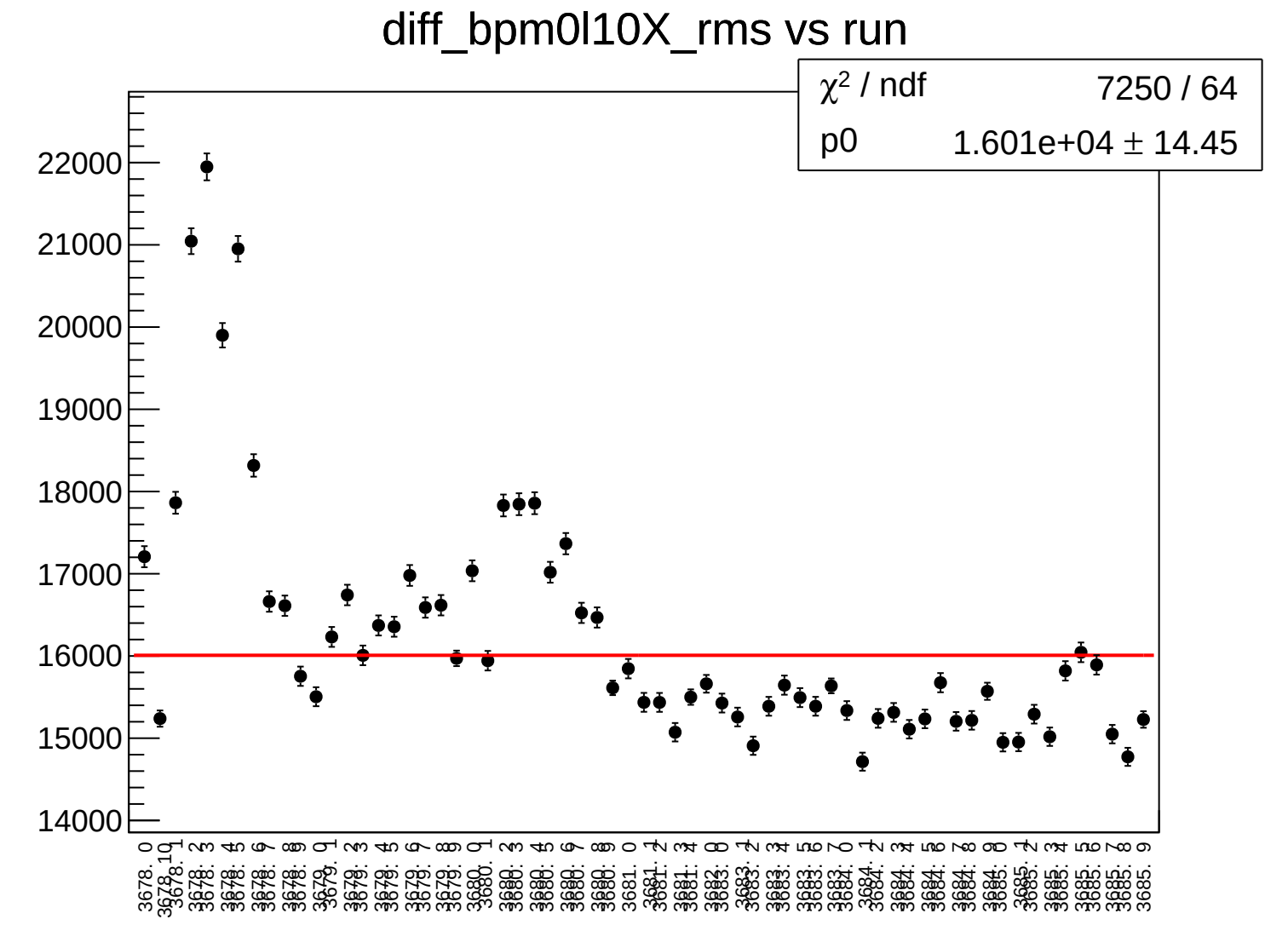

diff_bpm0l09Y_mean vs run
χ² / ndf 69.33 / 64
p0 4.192 ± 1.931
pull
Entries 65
Mean 996.7
Std Dev 960.5

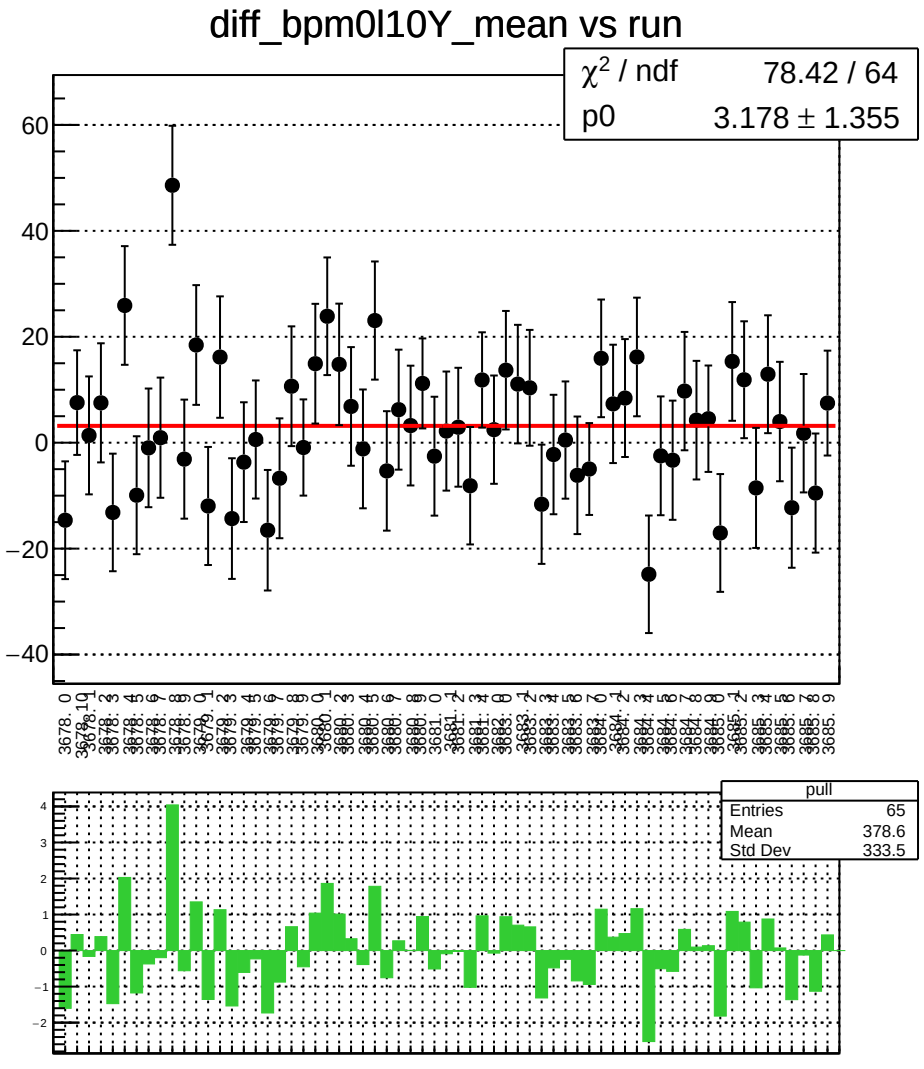

pull1D
Entries 65
Mean −0.003956
Std Dev 1.033

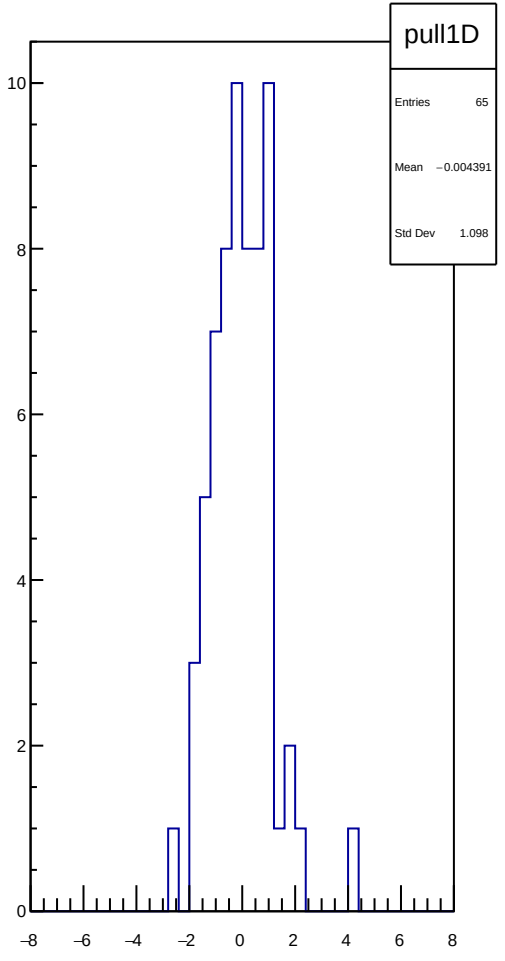

diff_bpm0l09Y_rms vs run
χ² / ndf 1686 / 64
p0 1515 ± 1.365
1800
1750
1700
1650
1600
1550
1500
1450
1400

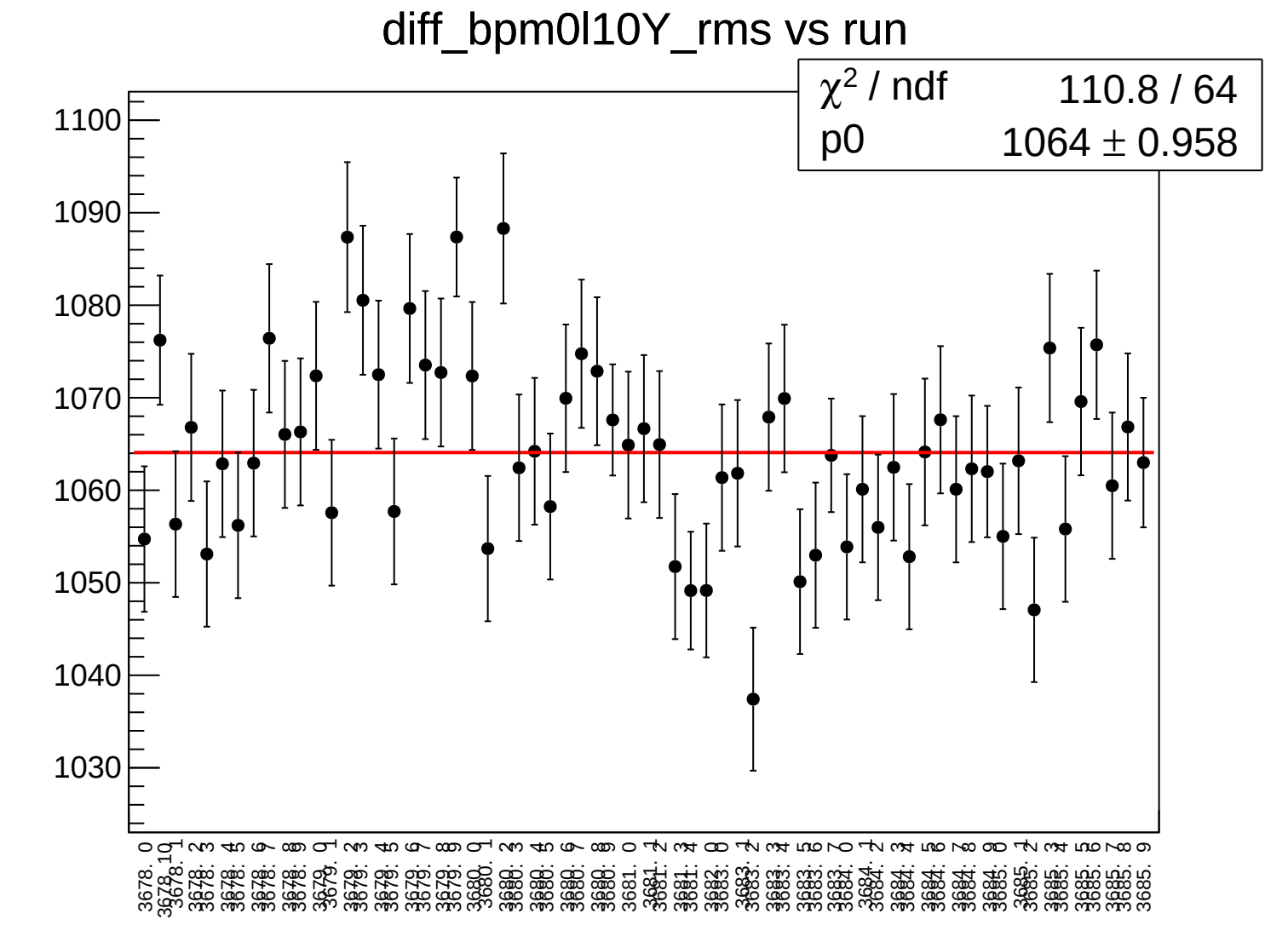

diff_bpm0l10X_mean vs run
χ^2 / ndf 70.74 / 64
p0 10.13 ± 20.44
pull
Entries 65
Mean 5500
Std Dev 5468

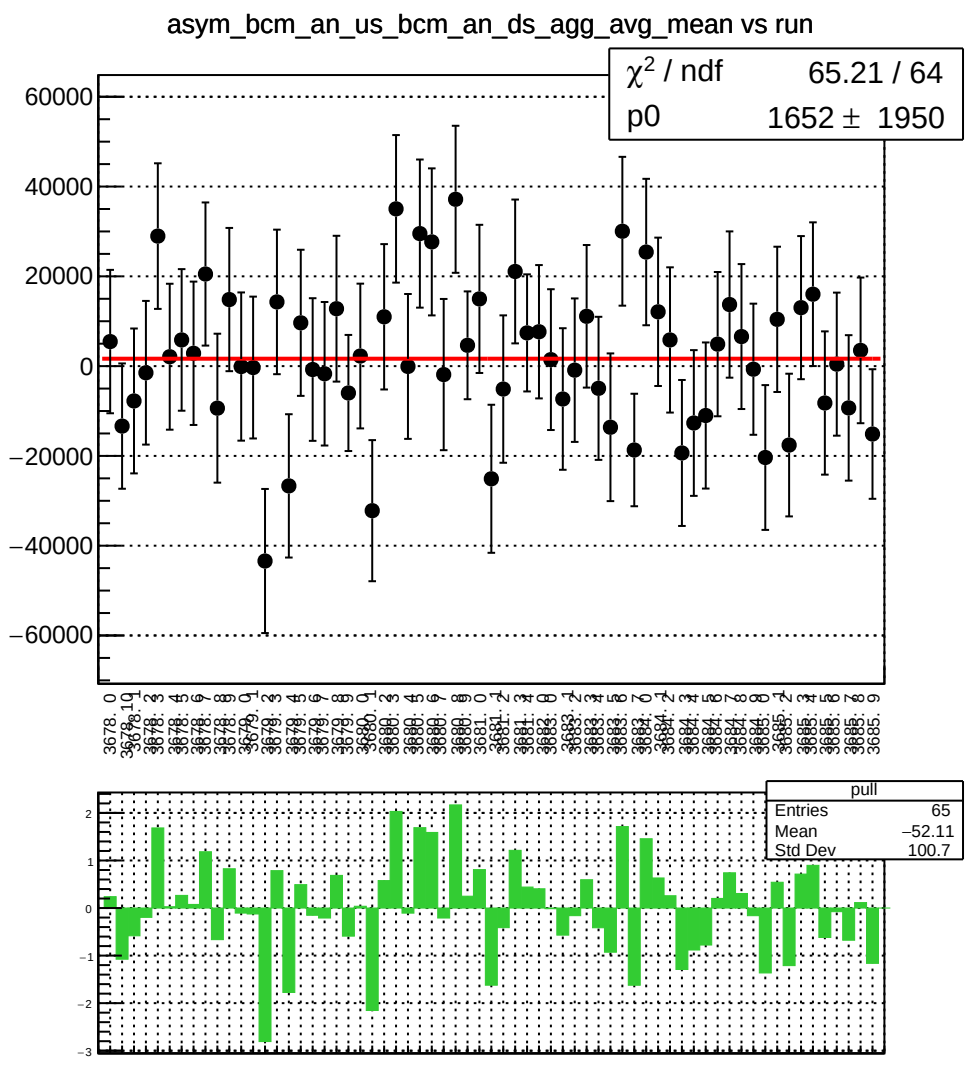

pull1D
Entries 65
Mean 0.00094
Std Dev 1.043

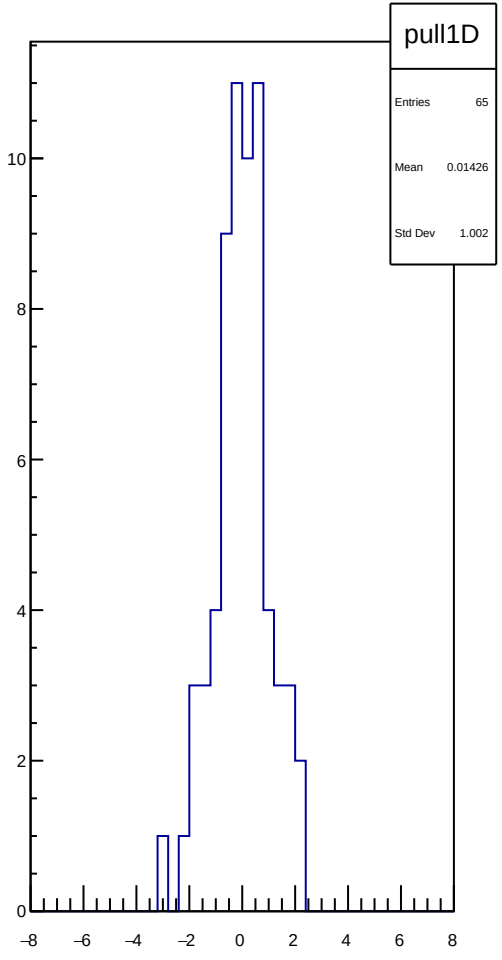

diff_bpm0l10X_rms vs run
χ² / ndf 7250 / 64
p0 1.601e+04 ± 14.45
22000
21000
20000
19000
18000
17000
16000
15000
14000

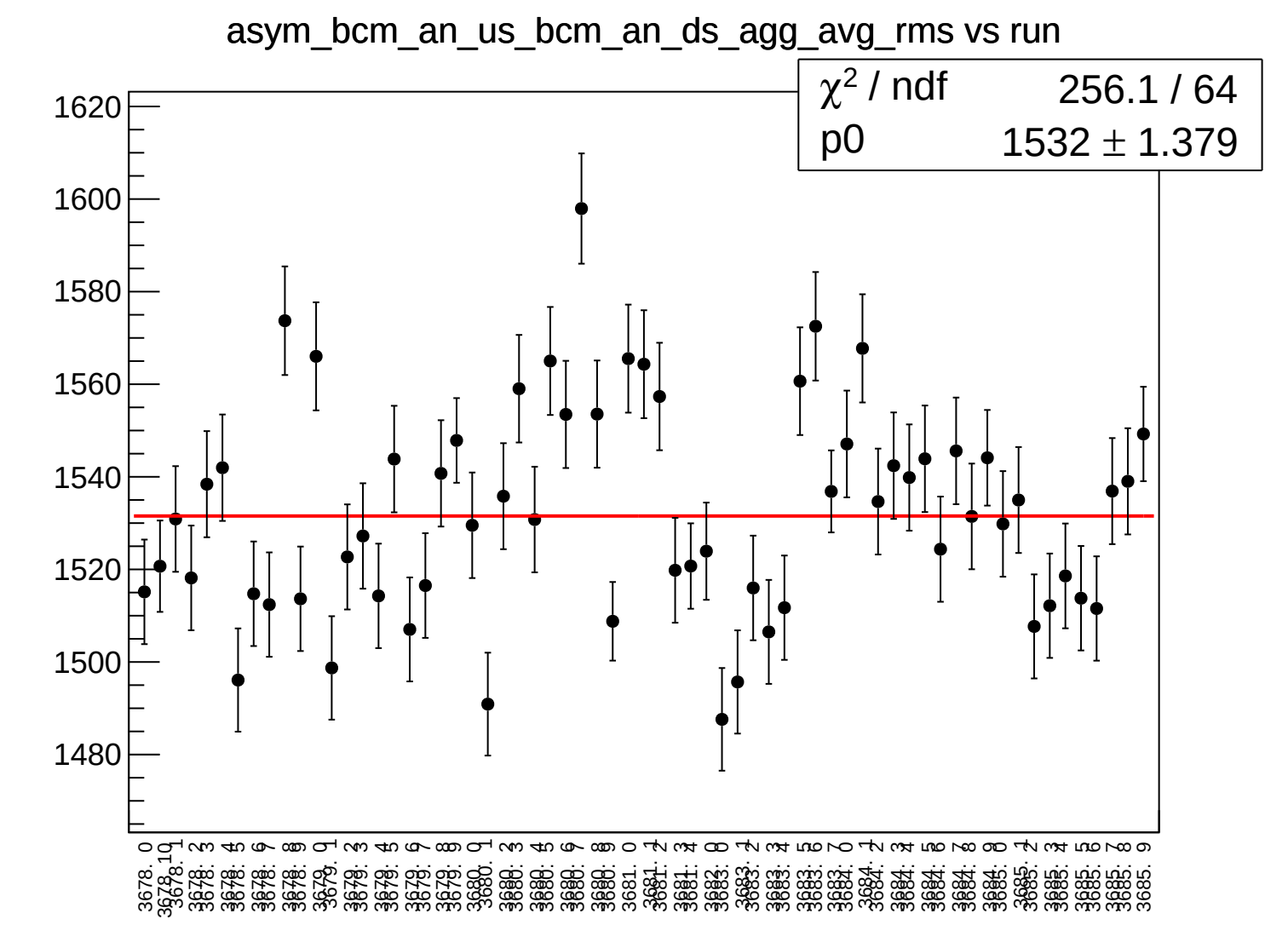

diff_bpm0l10Y_mean vs run
χ² / ndf 78.42 / 64
p0 3.178 ± 1.355
pull
Entries 65
Mean 378.6
Std Dev 333.5

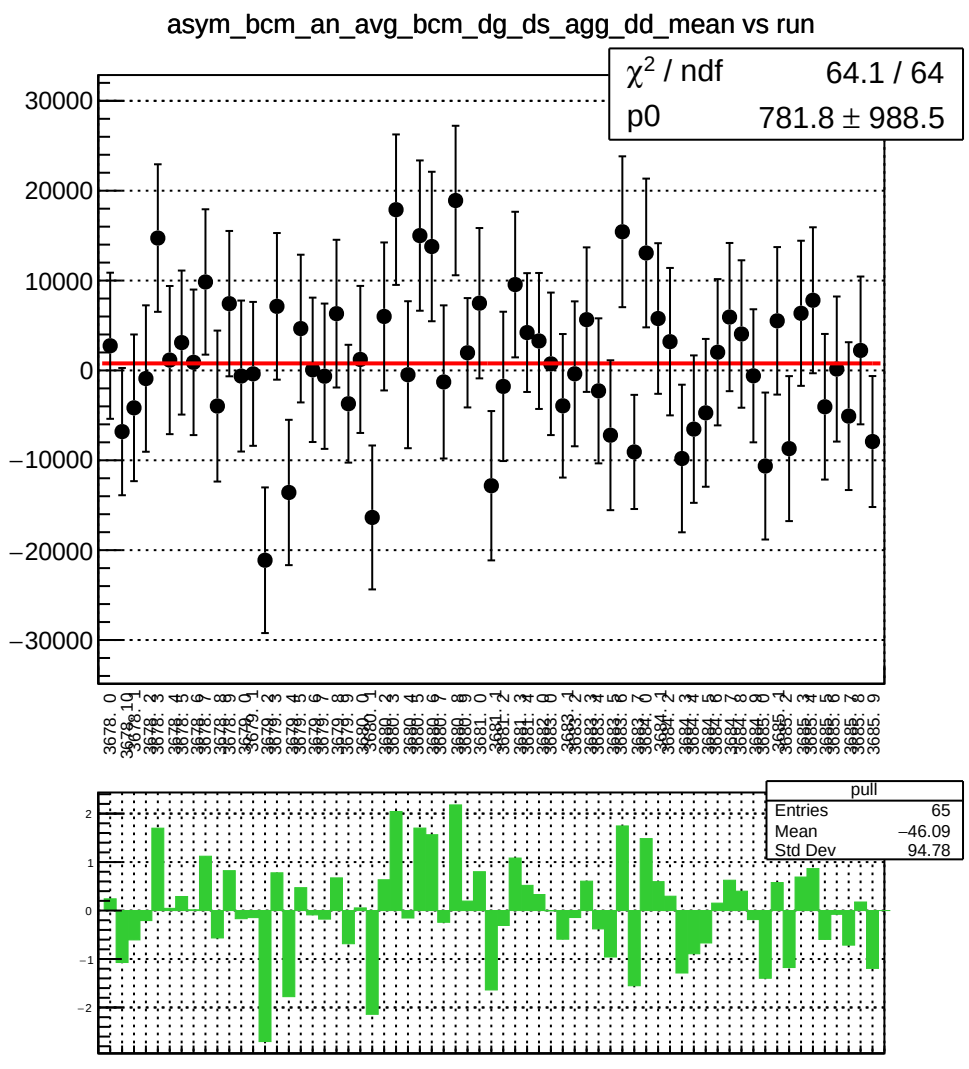

pull1D
Entries 65
Mean −0.004391
Std Dev 1.098

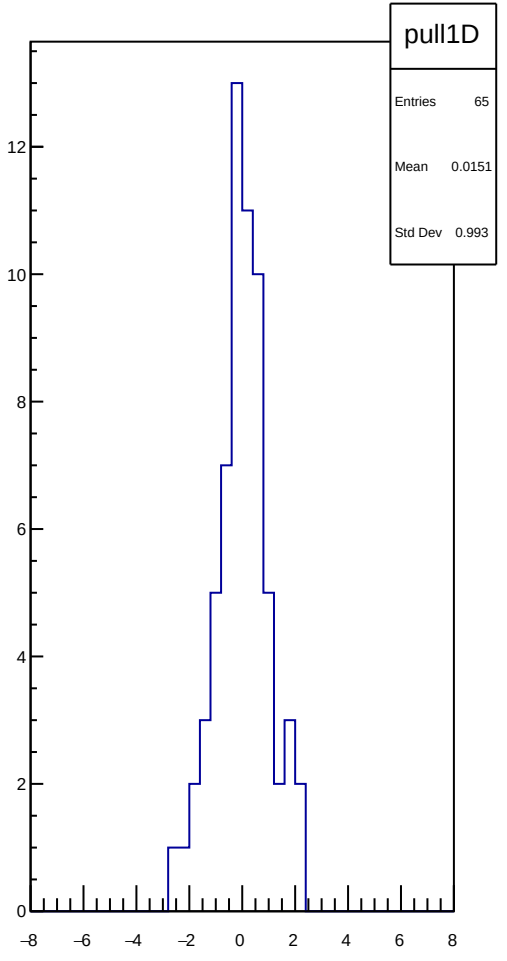

diff_bpm0l10Y_rms vs run
χ² / ndf 110.8 / 64
p0 1064 ± 0.958
1100
1090
1080
1070
1060
1050
1040
1030

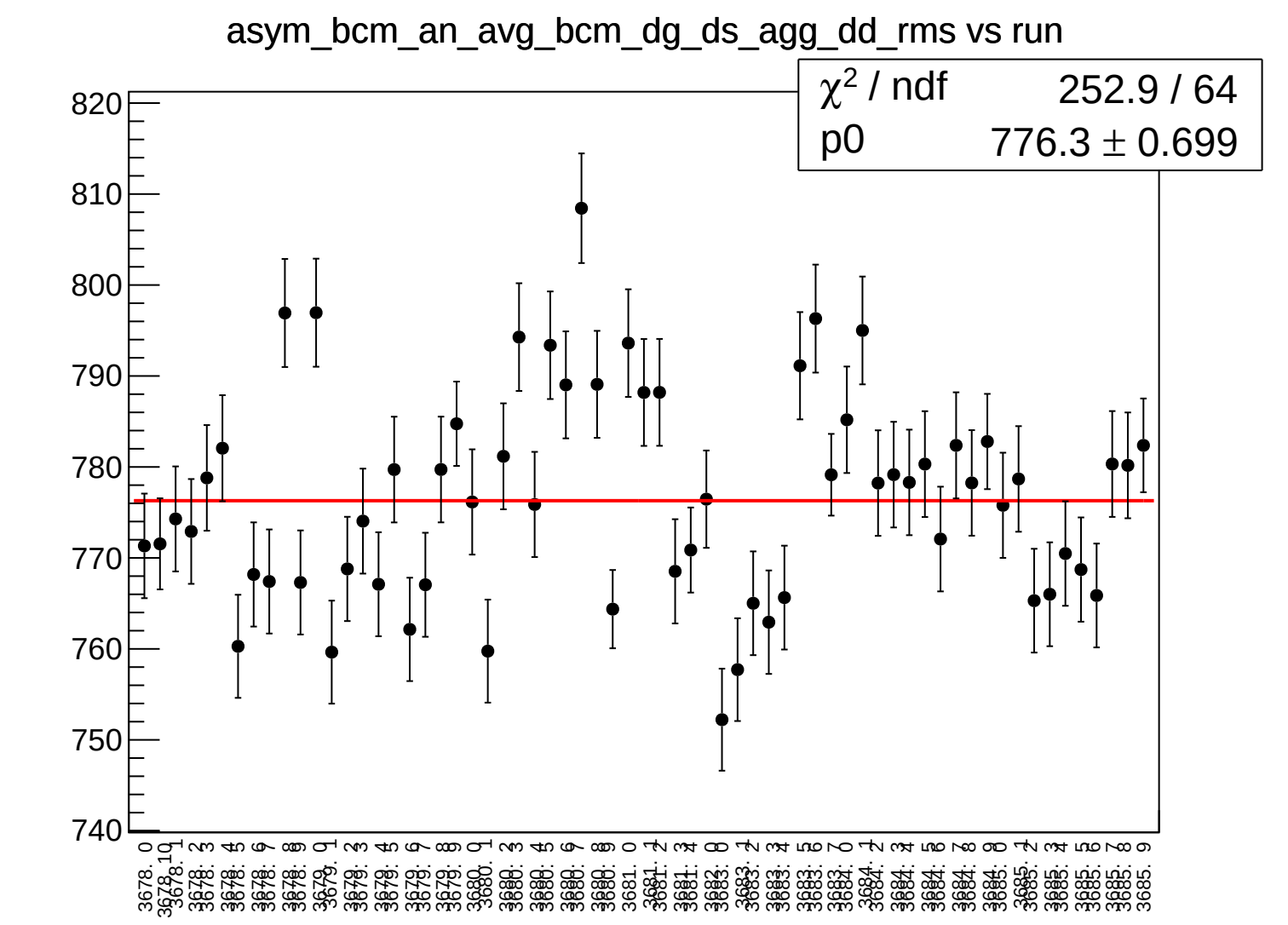

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 65.21 / 64
p0 1652 ± 1950
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −52.11
Std Dev 100.7
2
1
0
−1
−2
−3

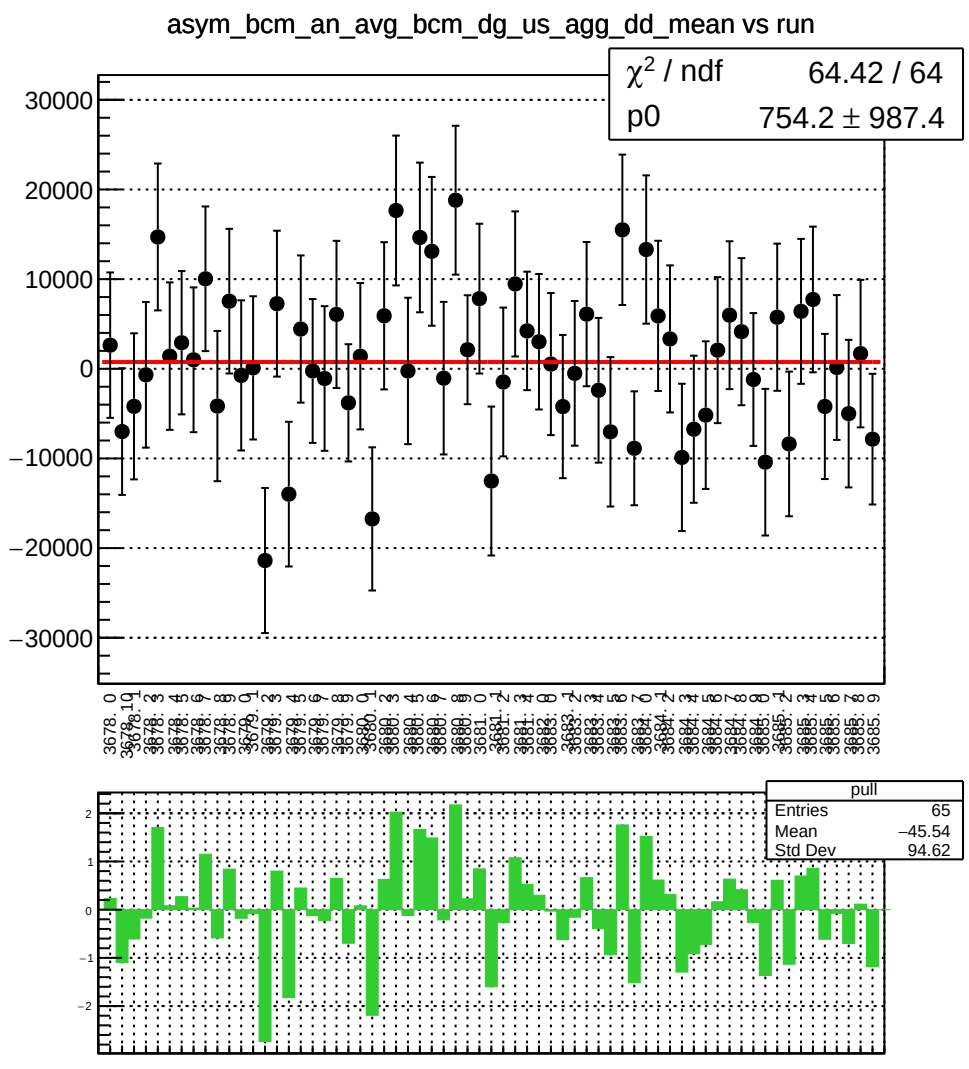

pull1D
Entries 65
Mean 0.01426
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

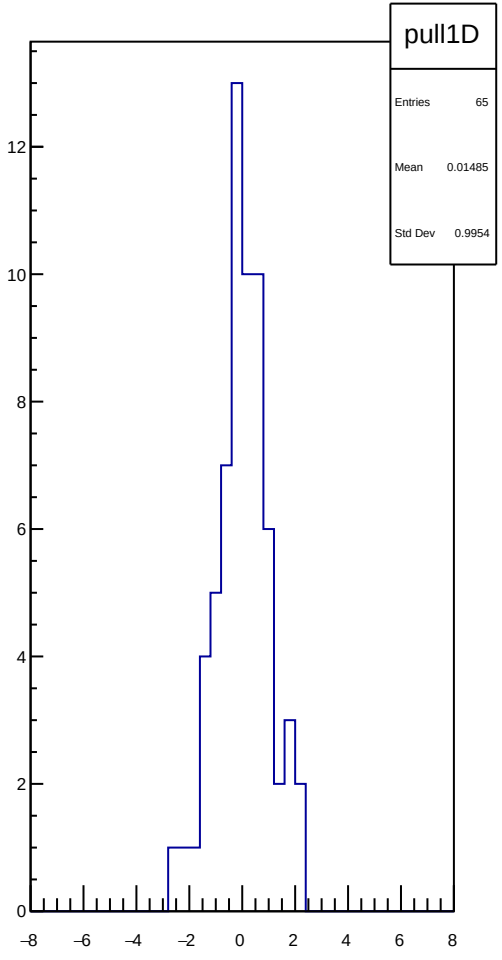

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 256.1 / 64
p0 1532 ± 1.379
1620
1600
1580
1560
1540
1520
1500
1480

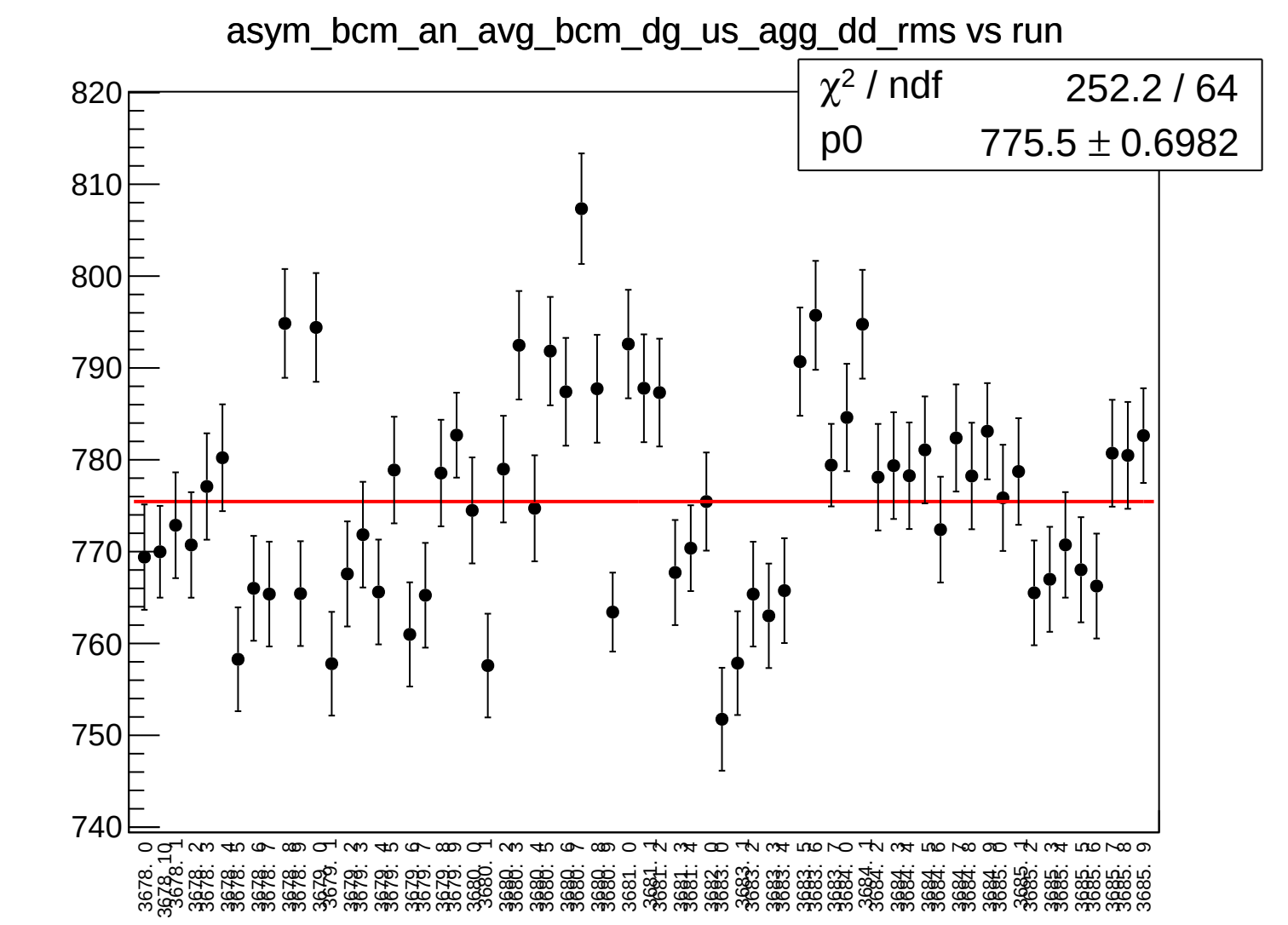

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 64.1 / 64
p0 781.8 ± 988.5
pull
Entries 65
Mean −46.09
Std Dev 94.78

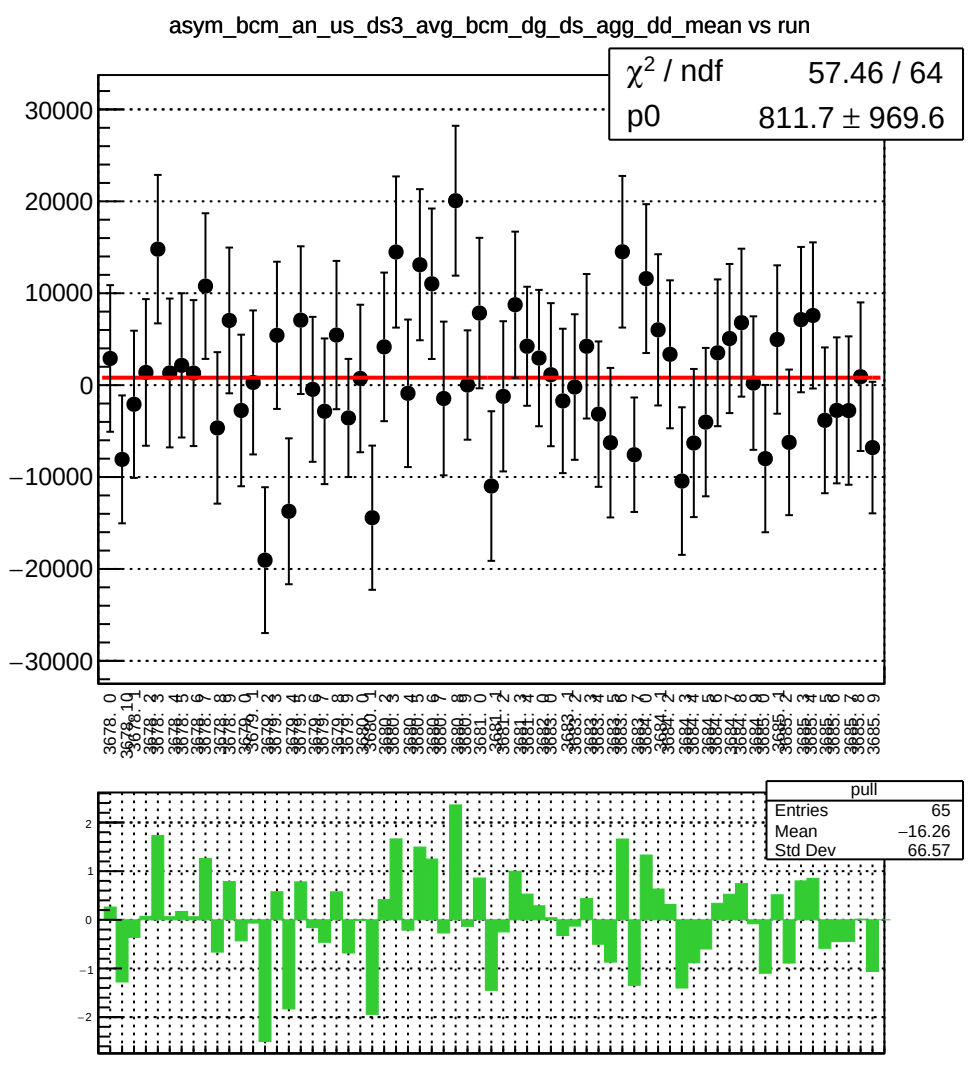

pull1D
Entries 65
Mean 0.0151
Std Dev 0.993

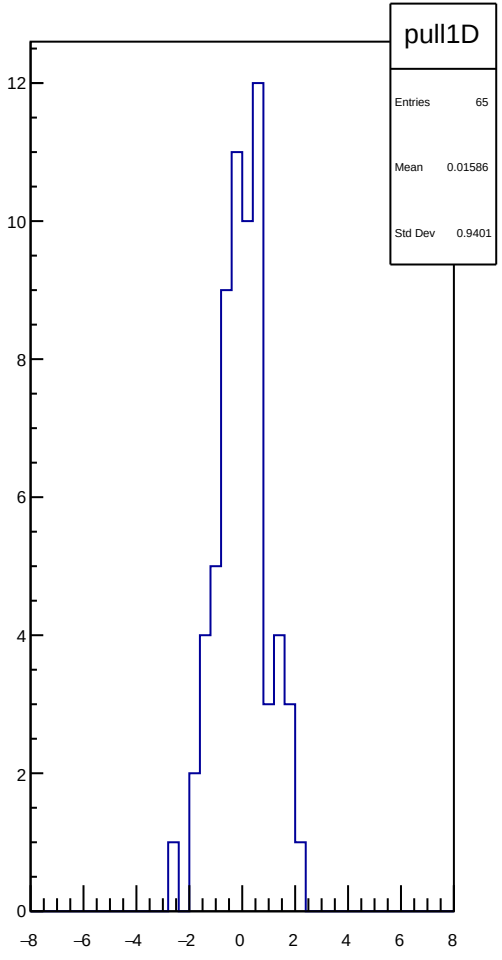

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 252.9 / 64
p0 776.3 ± 0.699
820
810
800
790
780
770
760
750
740

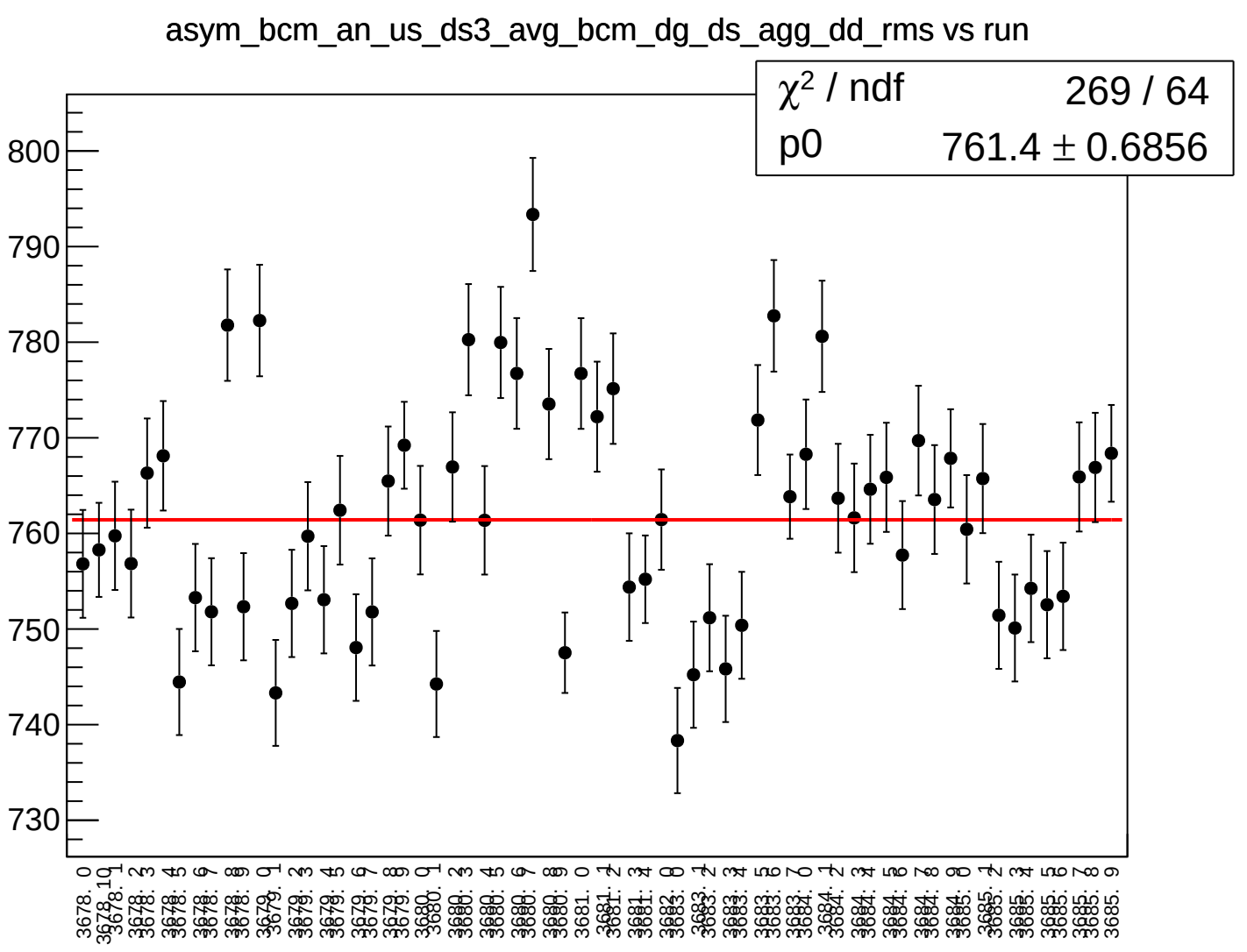

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 64.42 / 64
p0 754.2 ± 987.4
pull
Entries 65
Mean −45.54
Std Dev 94.62

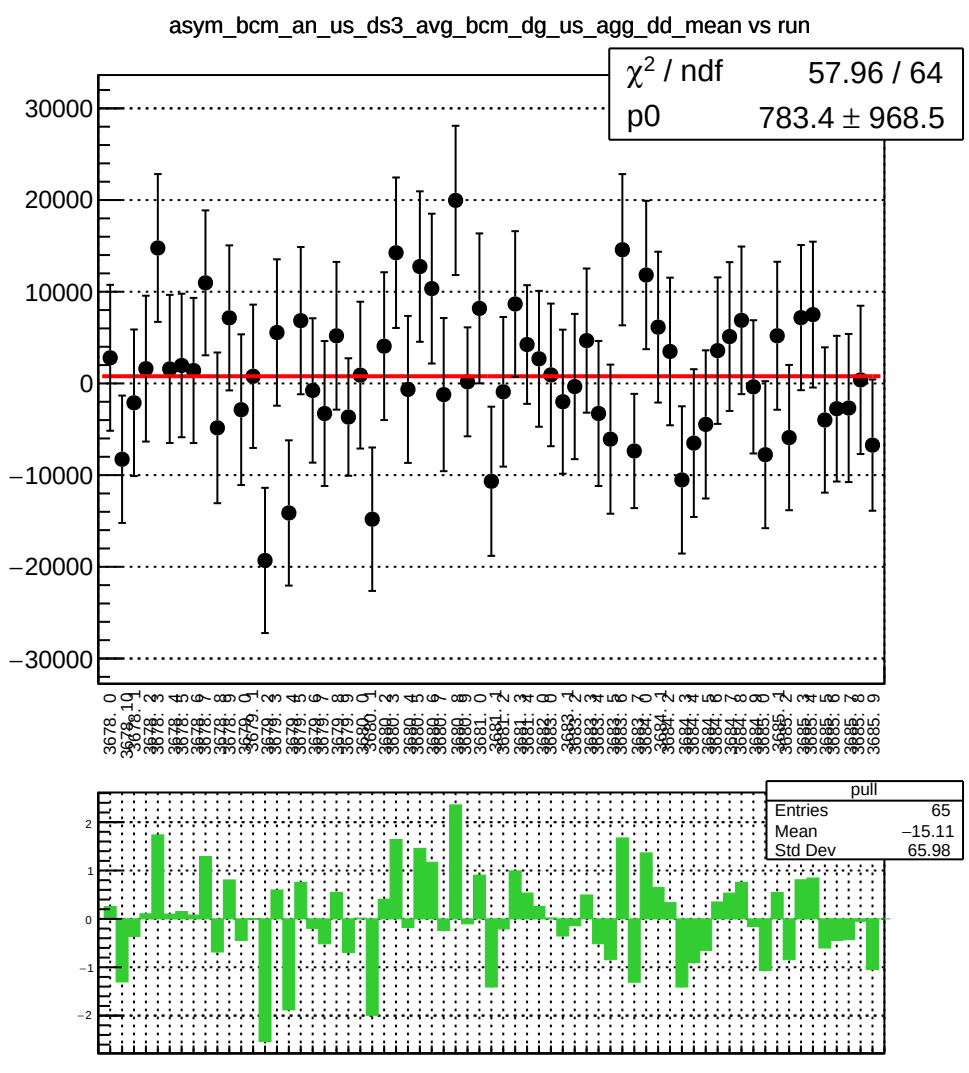

pull1D
Entries 65
Mean 0.01485
Std Dev 0.9954

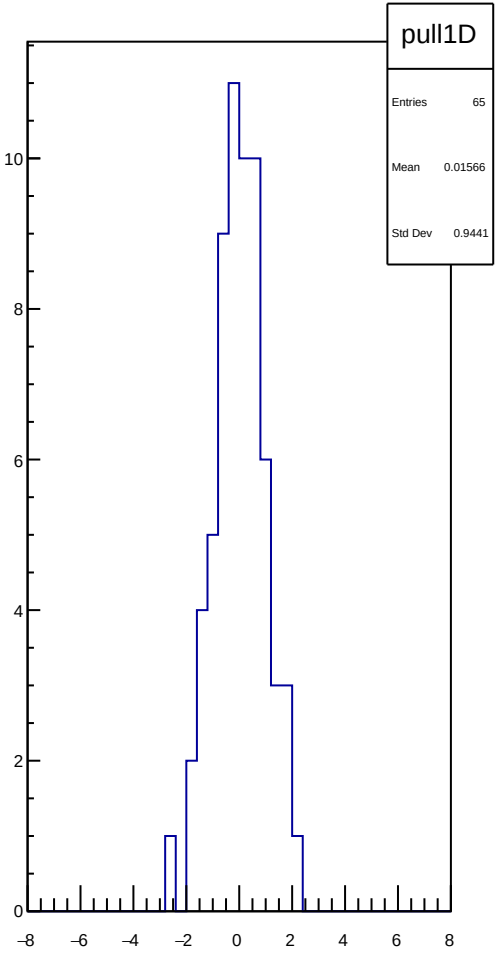

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 252.2 / 64
p0 775.5 ± 0.6982
820
810
800
790
780
770
760
750
740

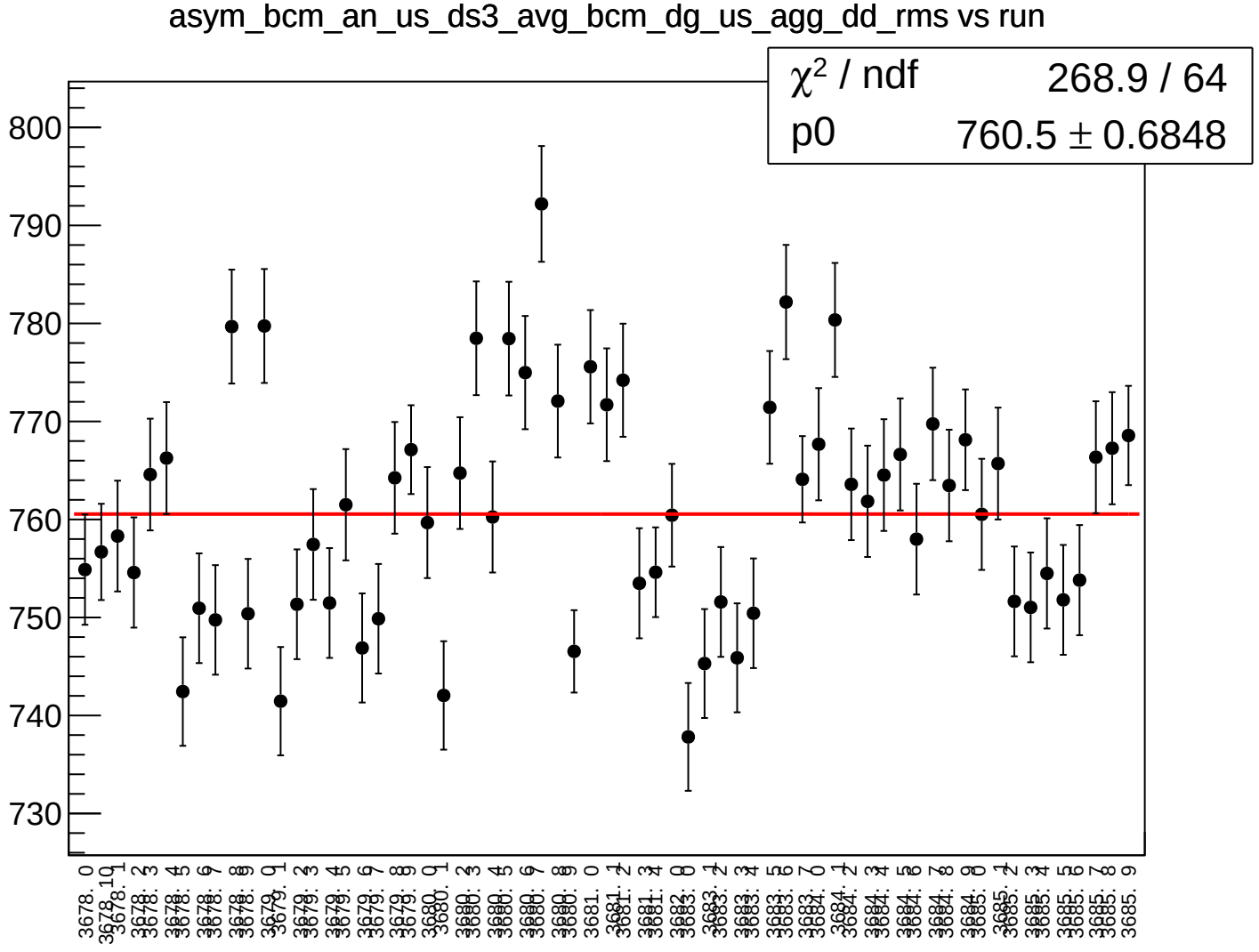

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 57.46 / 64
p0 811.7 ± 969.6
pull
Entries 65
Mean −16.26
Std Dev 66.57

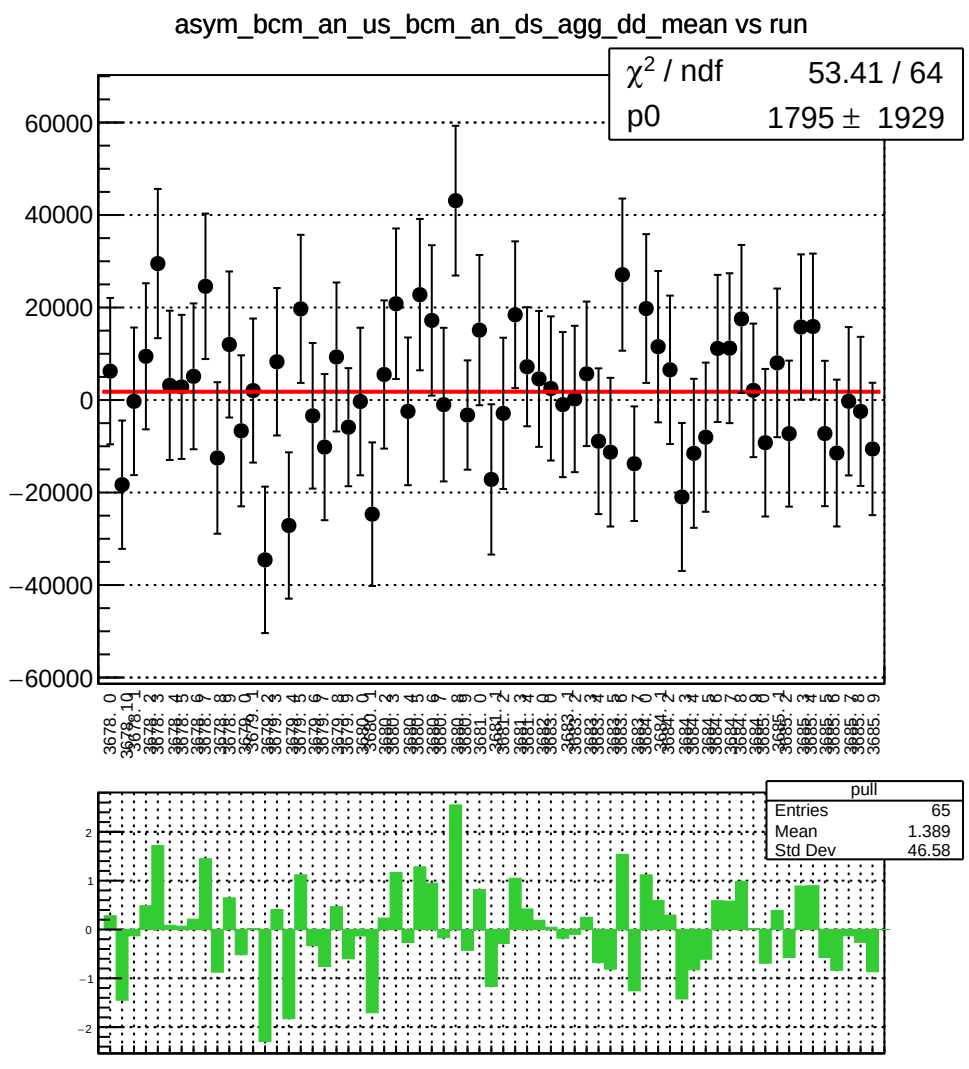

pull1D
Entries 65
Mean 0.01586
Std Dev 0.9401

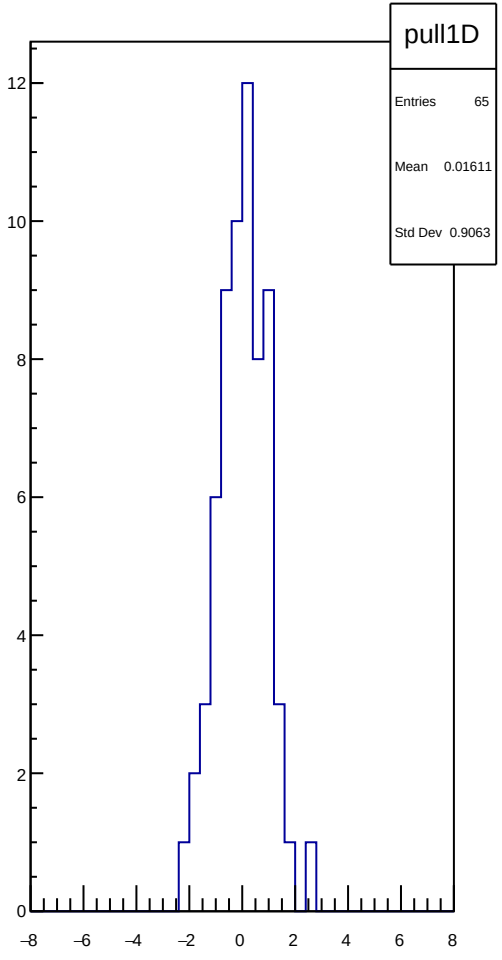

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 269 / 64
p0 761.4 ± 0.6856
800
790
780
770
760
750
740
730

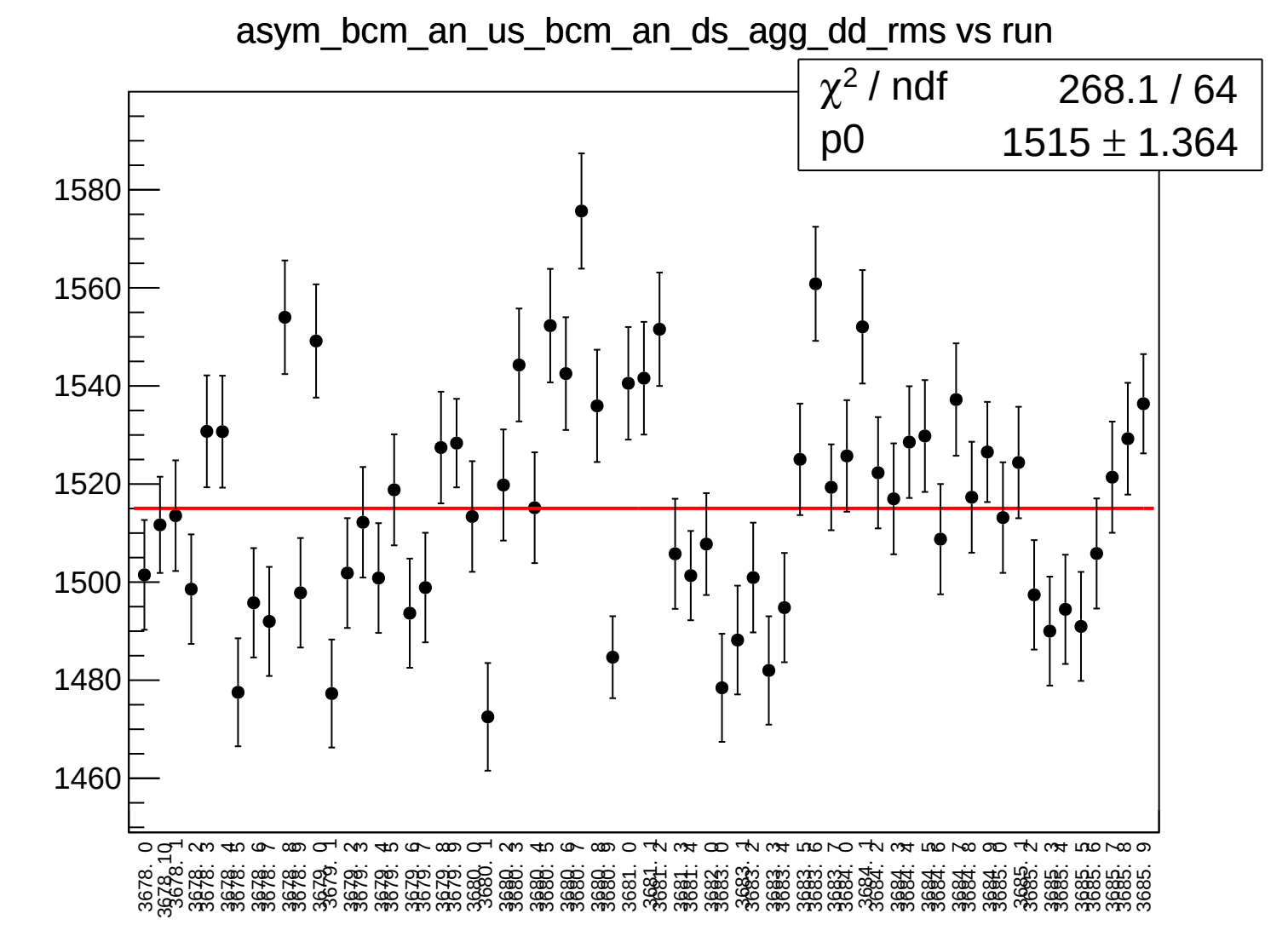

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 57.96 / 64
p0 783.4 ± 968.5
pull
Entries 65
Mean −15.11
Std Dev 65.98

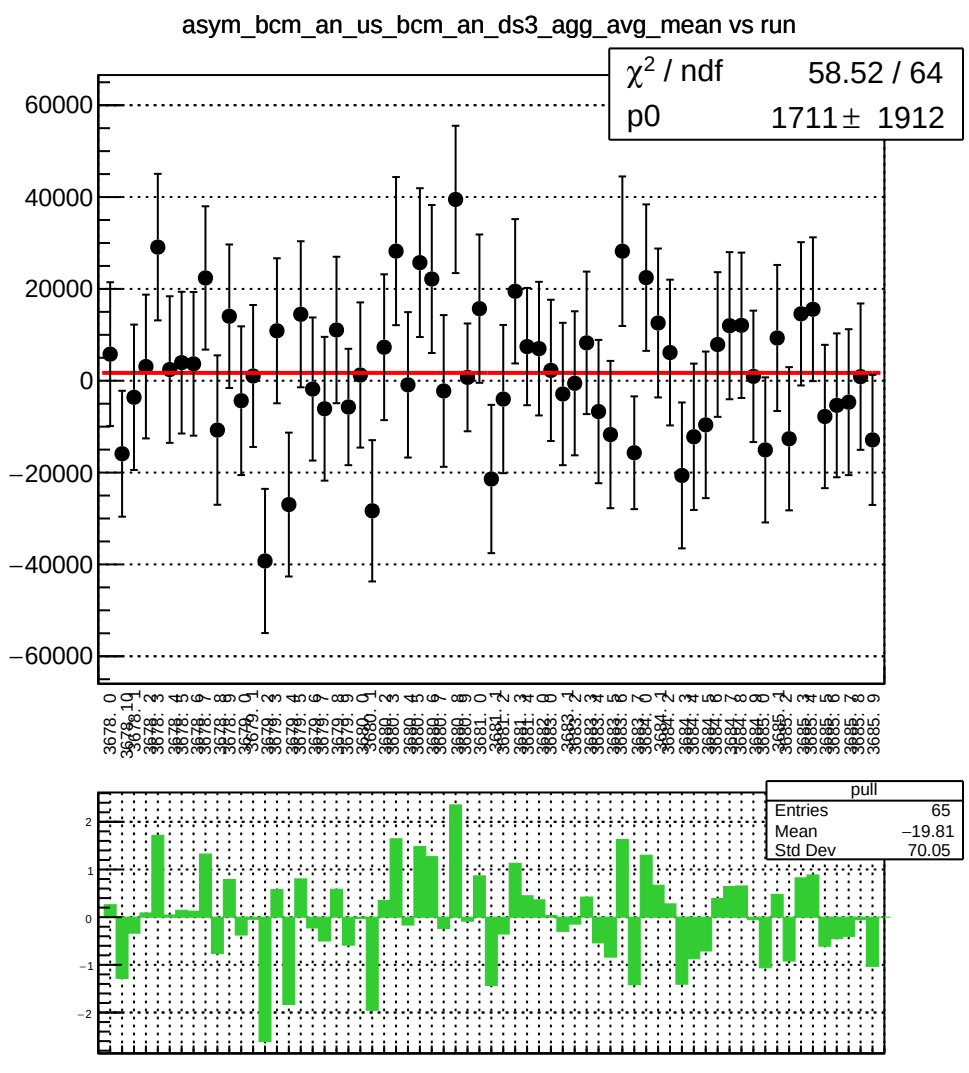

pull1D
Entries 65
Mean 0.01566
Std Dev 0.9441

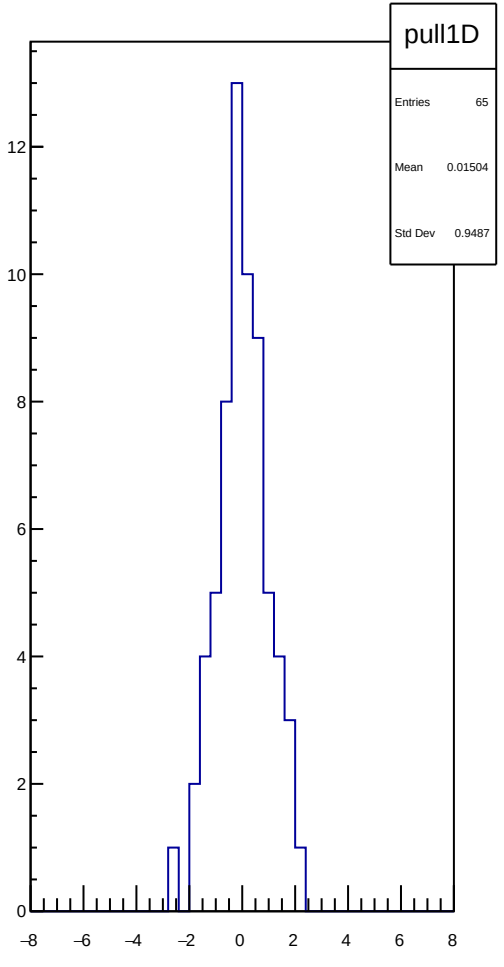

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 268.9 / 64
p0 760.5 ± 0.6848
800
790
780
770
760
750
740
730

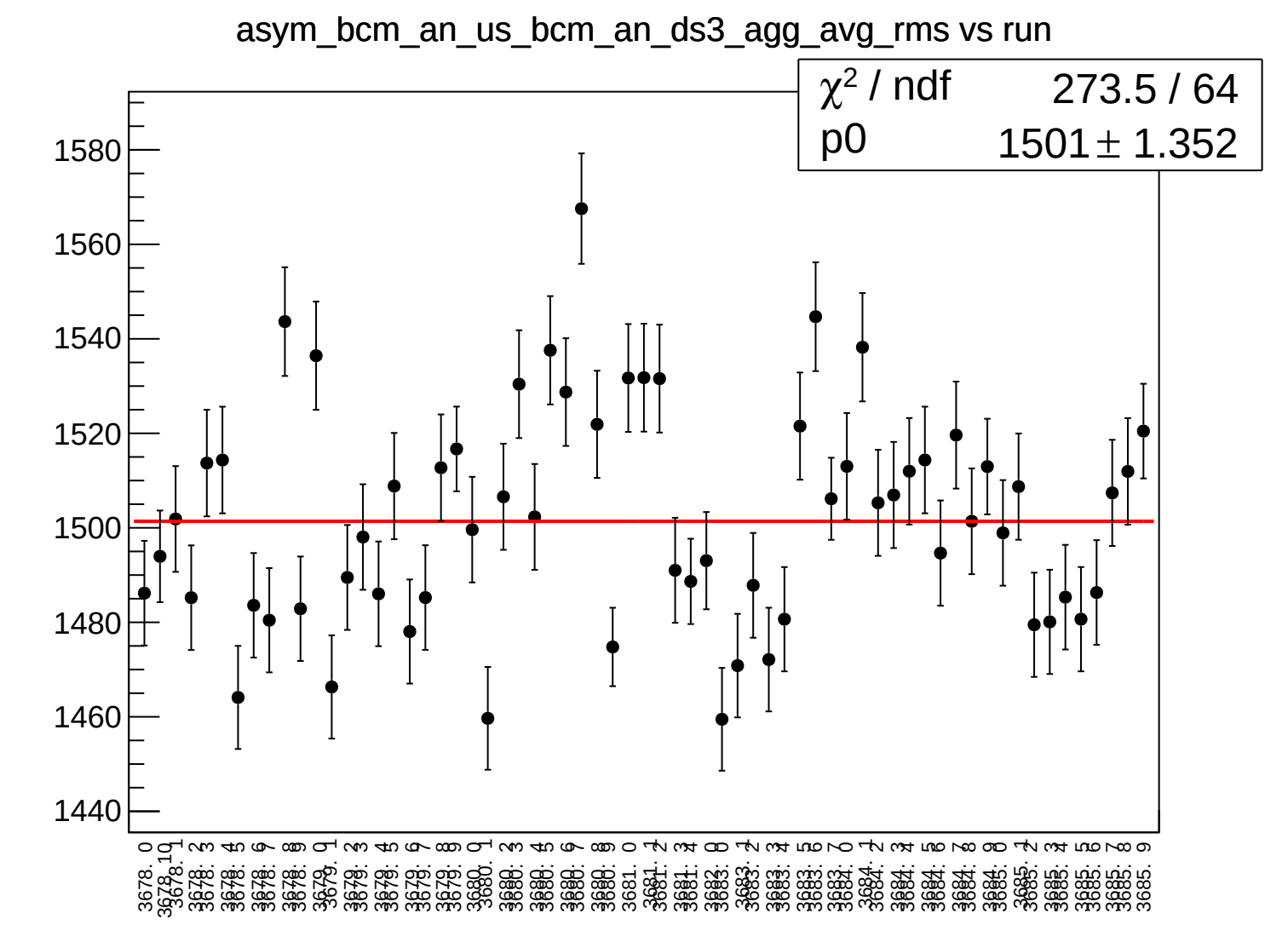

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 53.41 / 64
p0 1795 ± 1929
pull
Entries 65
Mean 1.389
Std Dev 46.58

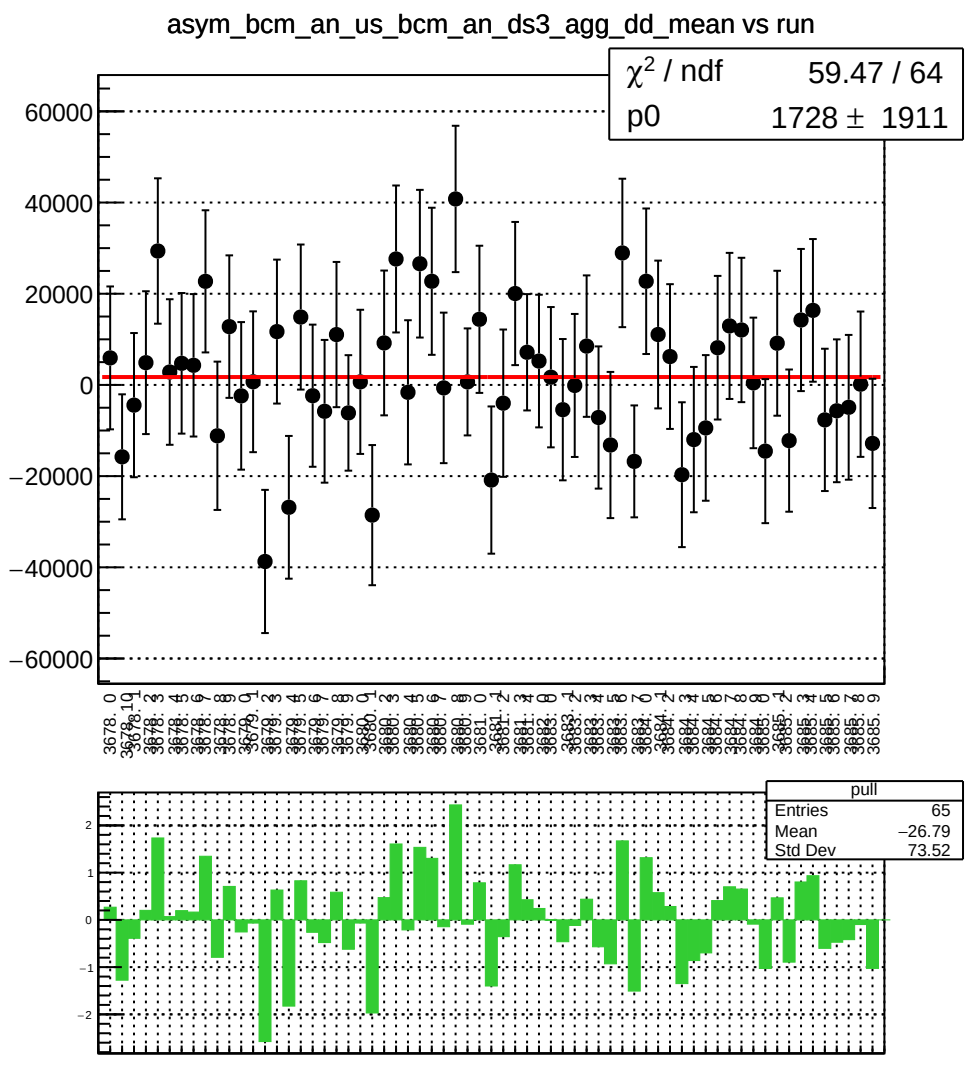

pull1D
Entries 65
Mean 0.01611
Std Dev 0.9063

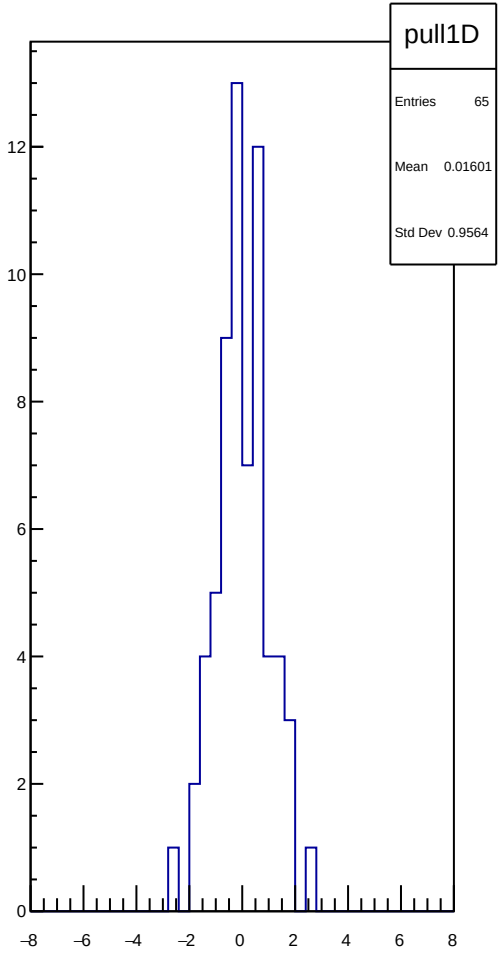

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 268.1 / 64
p0 1515 ± 1.364
1580
1560
1540
1520
1500
1480
1460

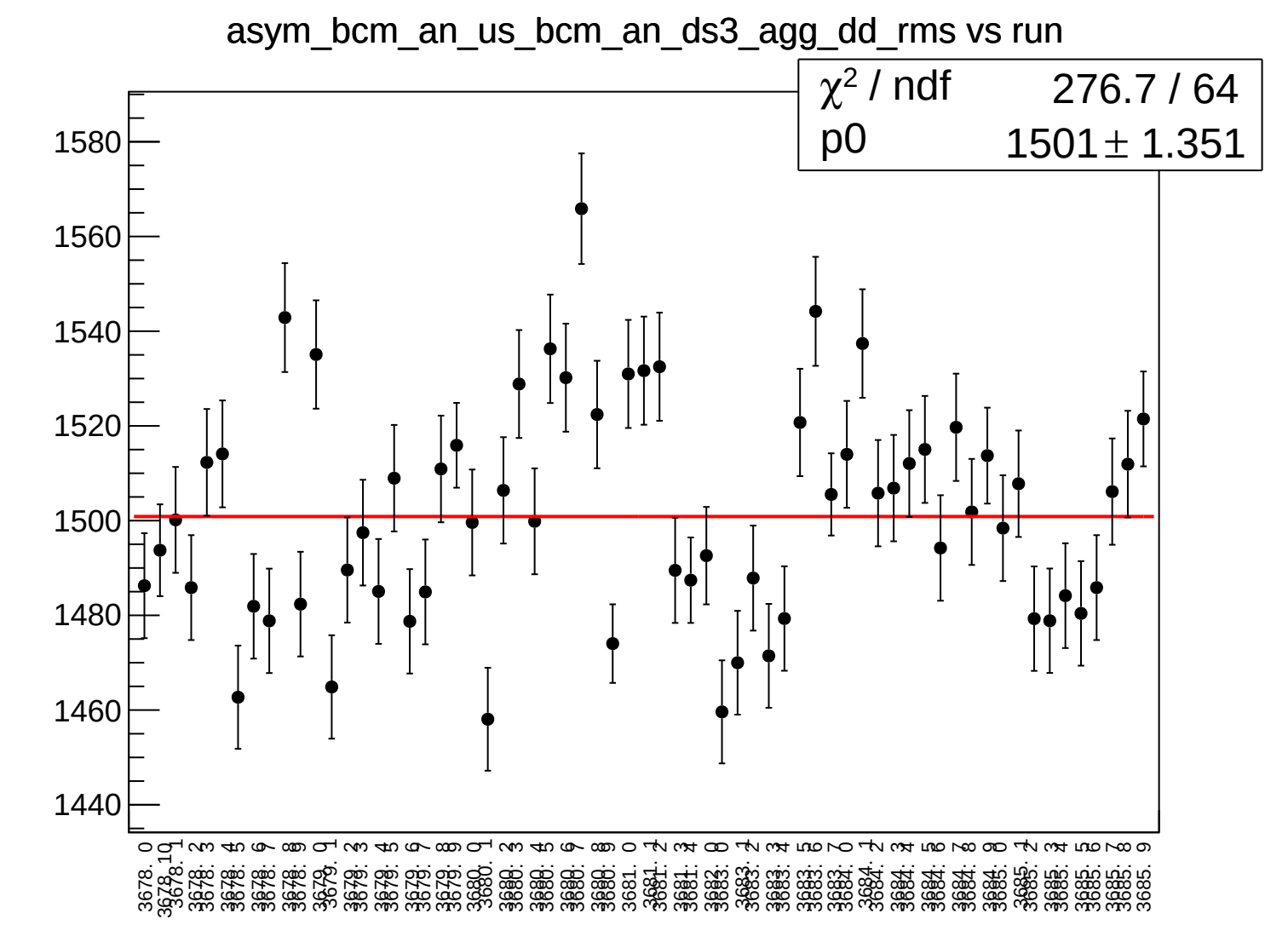

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 58.52 / 64
p0 1711 ± 1912
pull
Entries 65
Mean −19.81
Std Dev 70.05

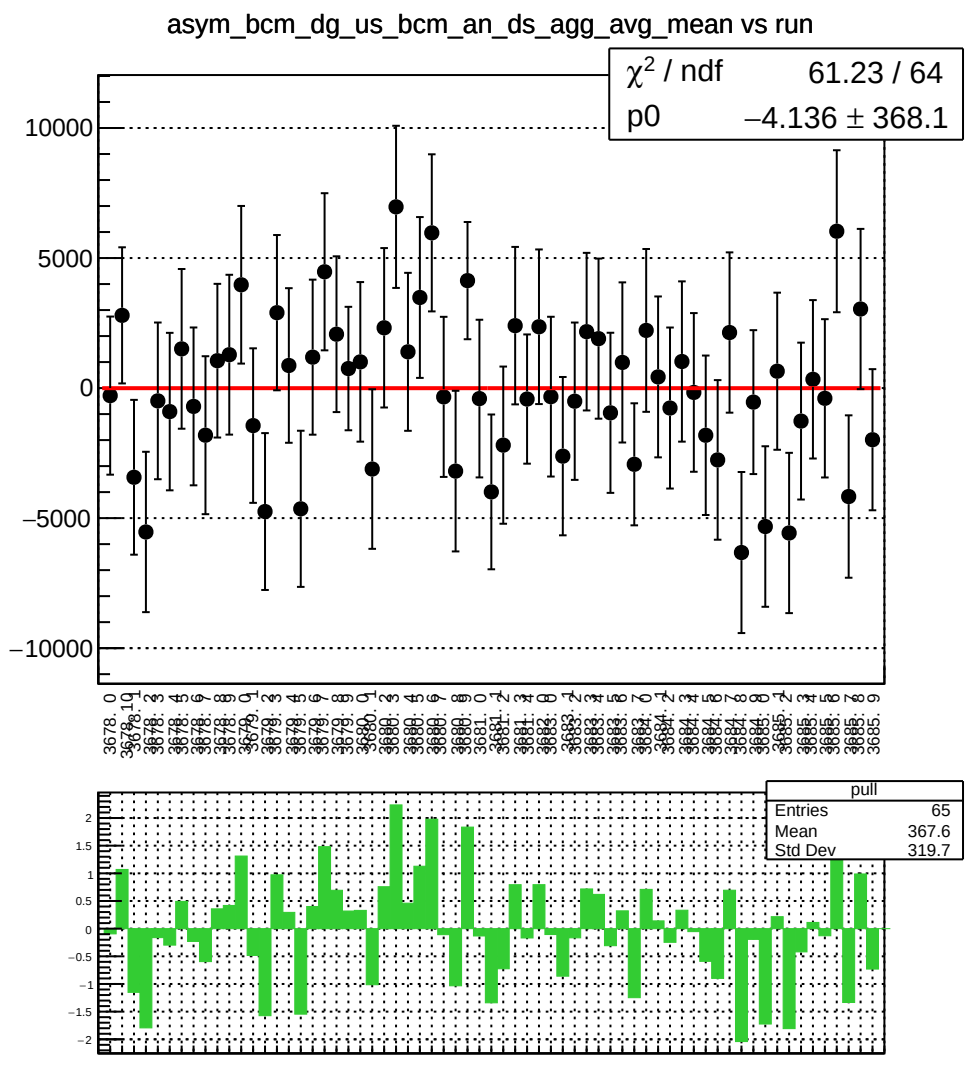

pull1D
Entries 65
Mean 0.01504
Std Dev 0.9487

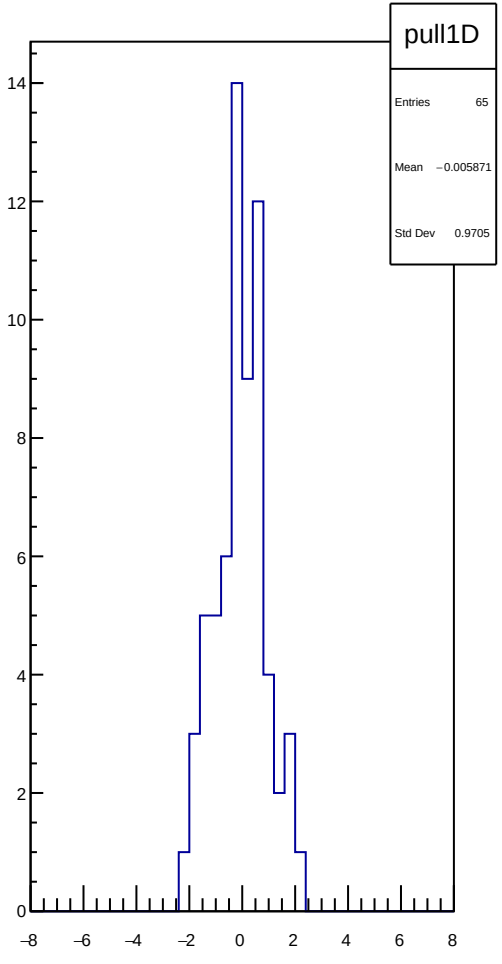

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 273.5 / 64
p0 1501 ± 1.352
1580
1560
1540
1520
1500
1480
1460
1440

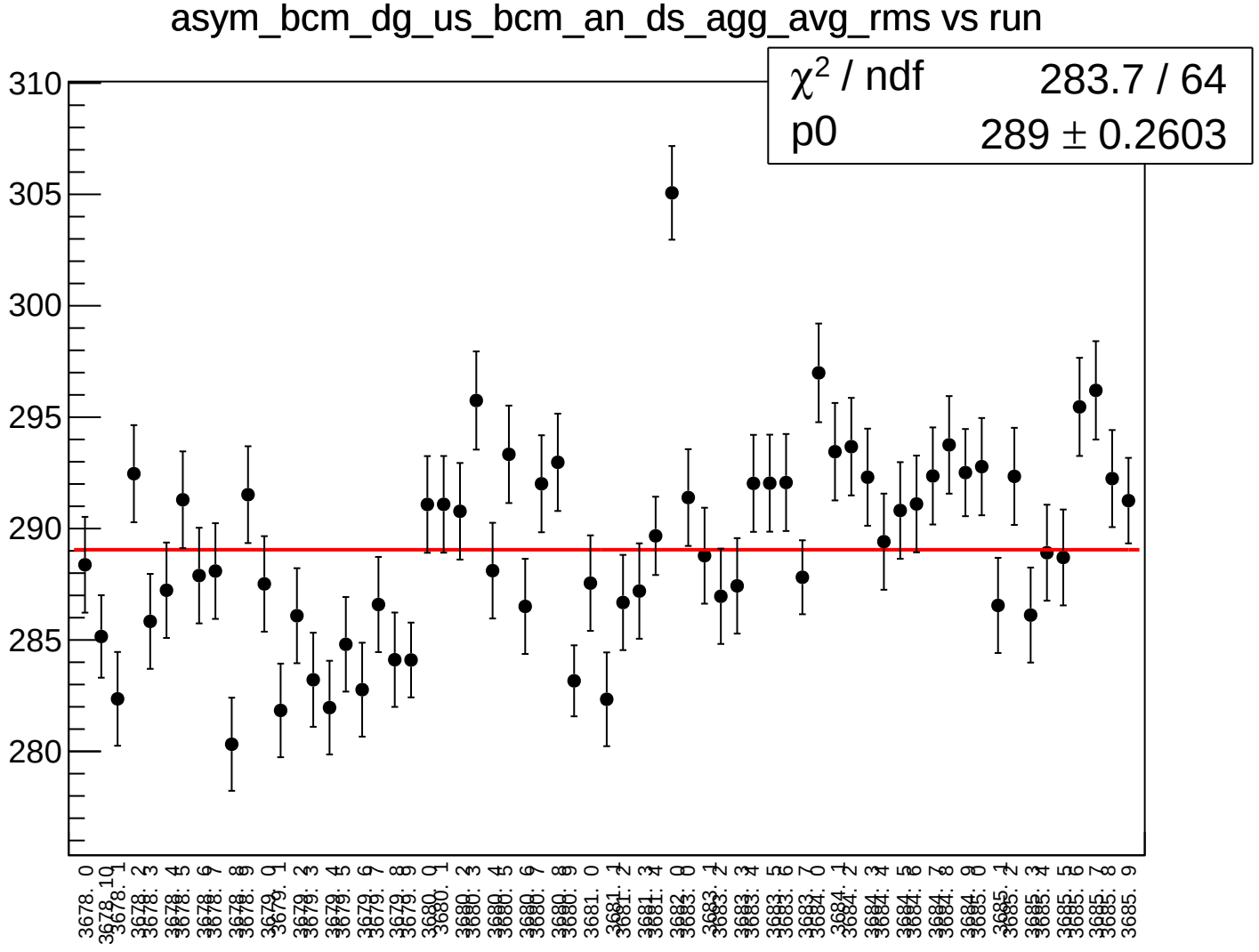

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 59.47 / 64
p0 1728 ± 1911
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −26.79
Std Dev 73.52
2
1
0
−1
−2

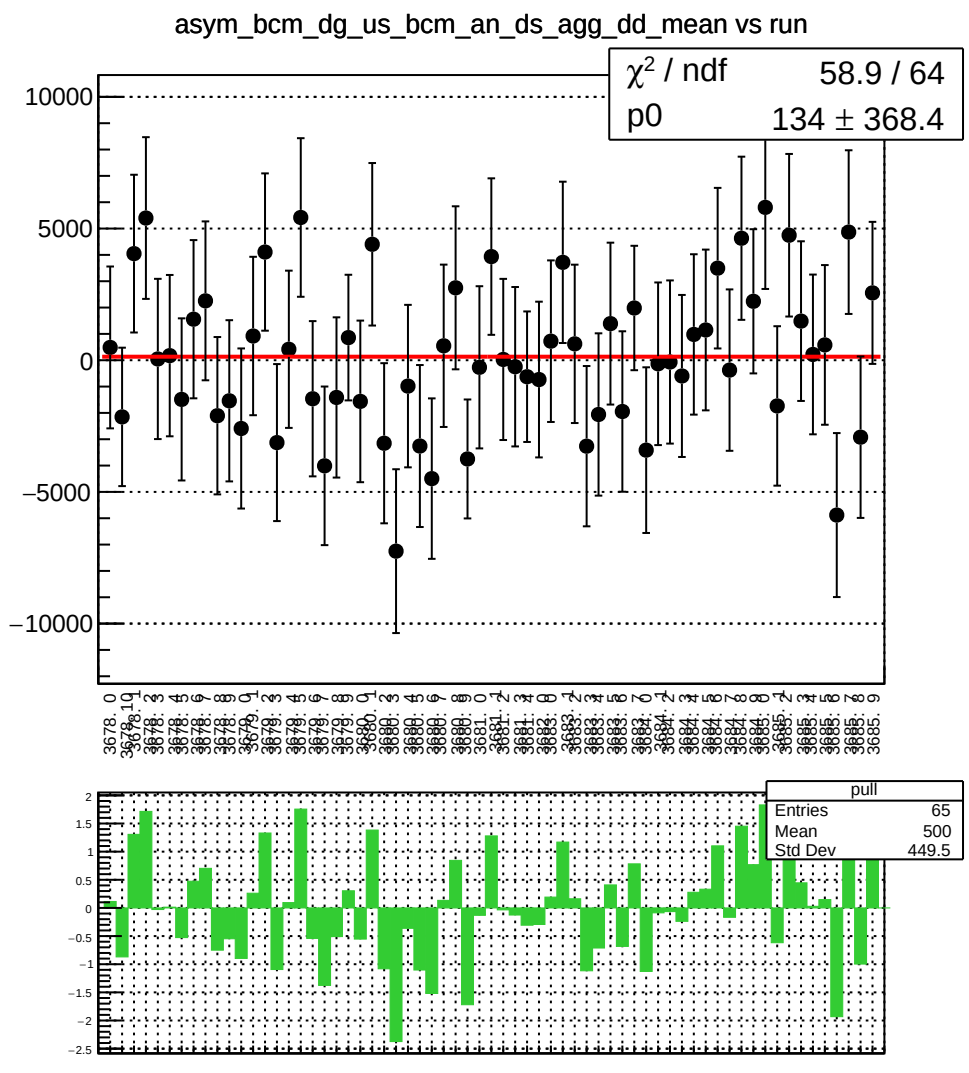

pull1D
Entries 65
Mean 0.01601
Std Dev 0.9564
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

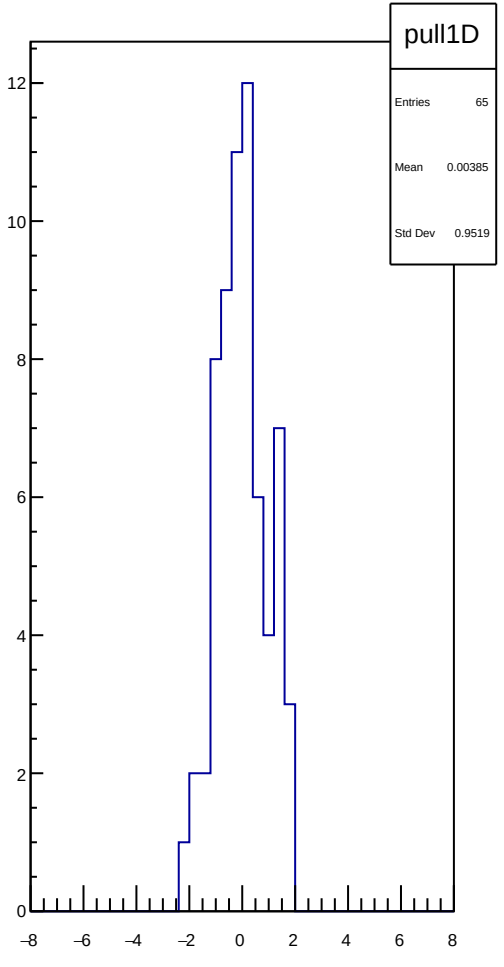

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 276.7 / 64
p0 1501 ± 1.351
1580
1560
1540
1520
1500
1480
1460
1440

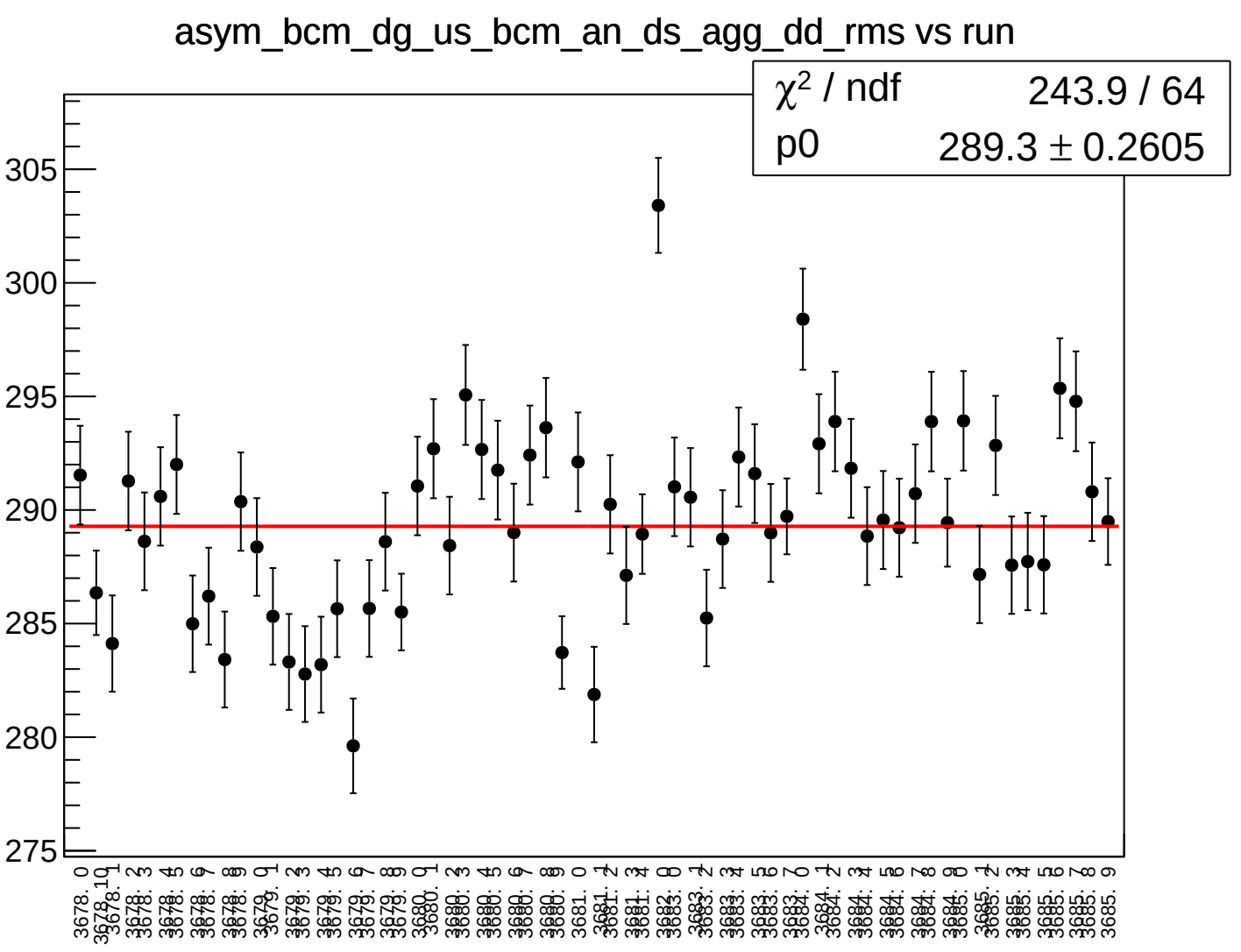

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 61.23 / 64
p0 −4.136 ± 368.1
pull
Entries 65
Mean 367.6
Std Dev 319.7

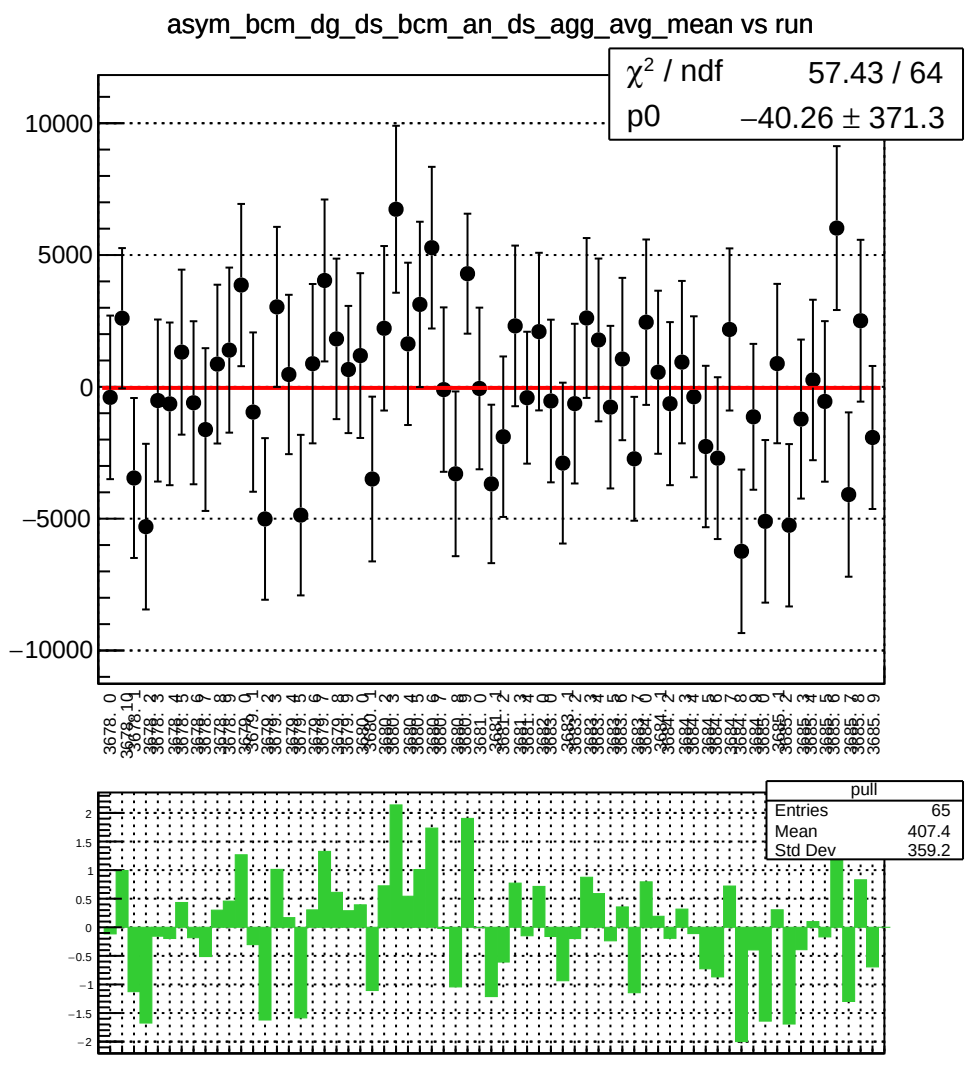

pull1D
Entries 65
Mean −0.005871
Std Dev 0.9705

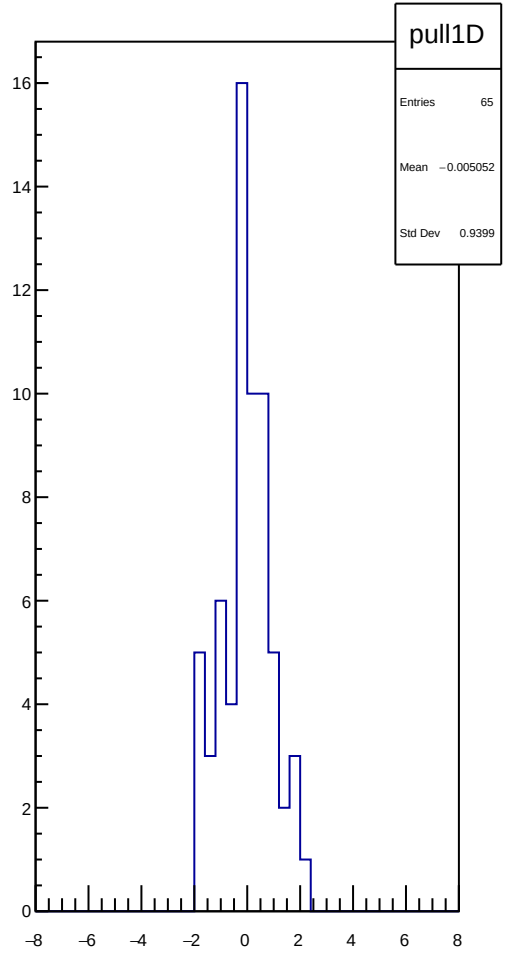

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 283.7 / 64
p0 289 ± 0.2603
310
305
300
295
290
285
280

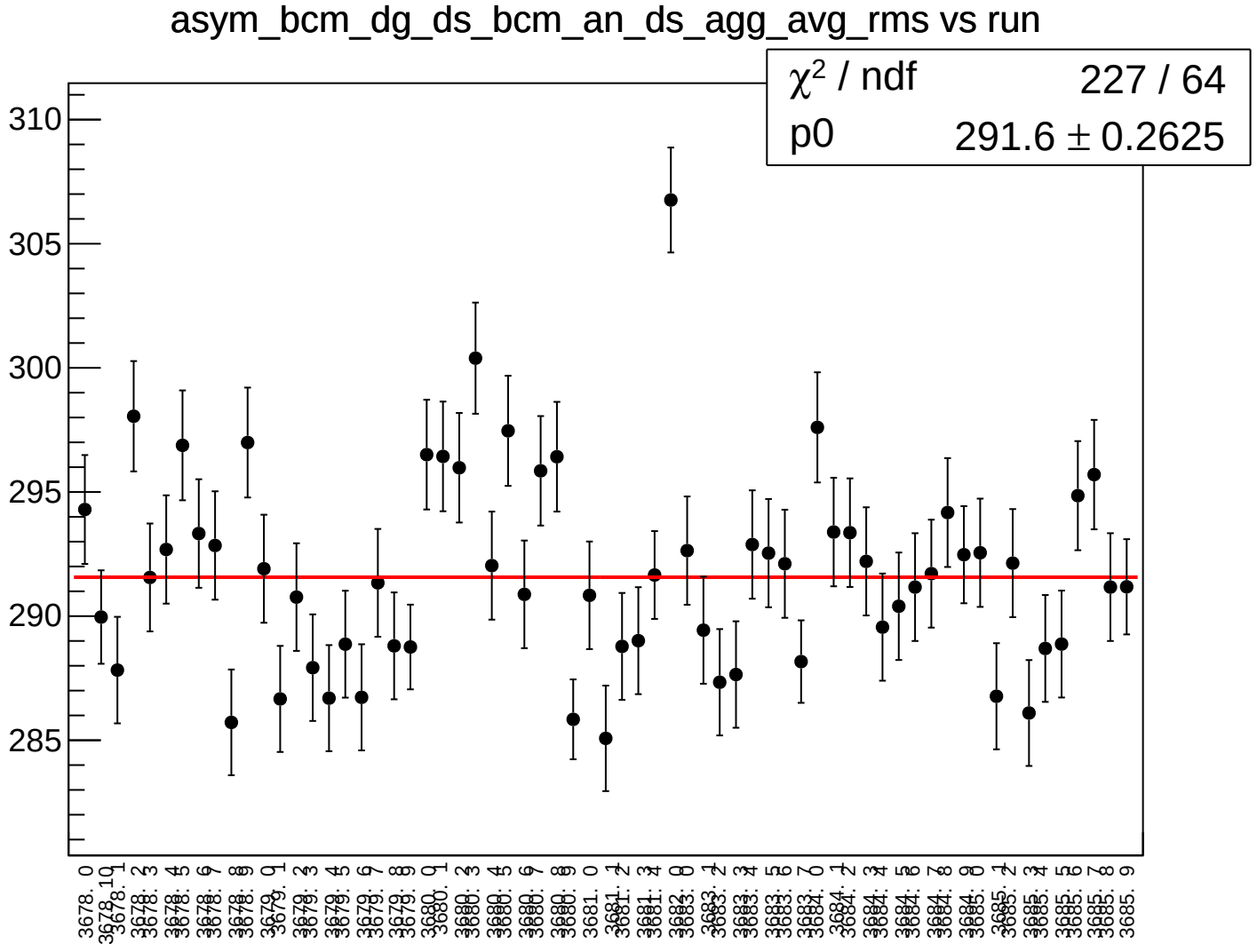

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 58.9 / 64
p0 134 ± 368.4
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 500
Std Dev 449.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

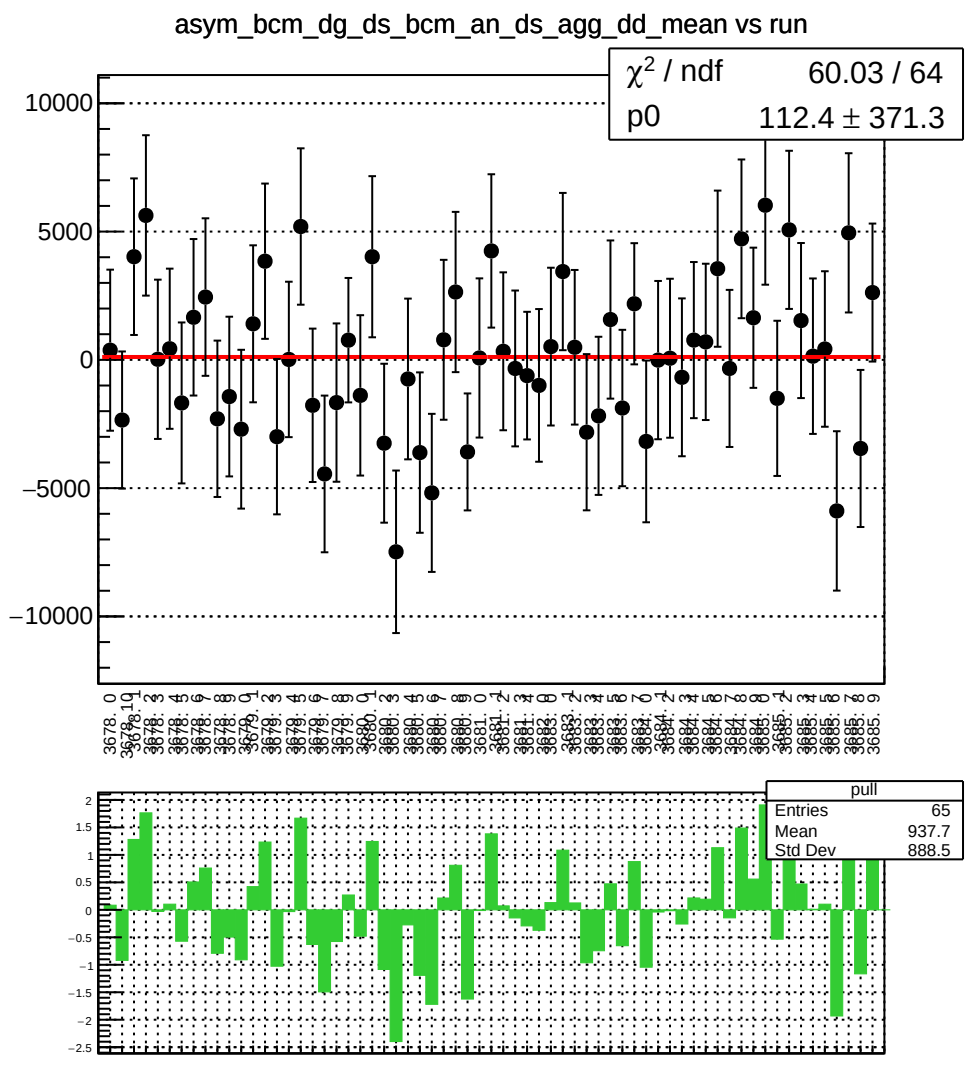

pull1D
Entries 65
Mean 0.00385
Std Dev 0.9519
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

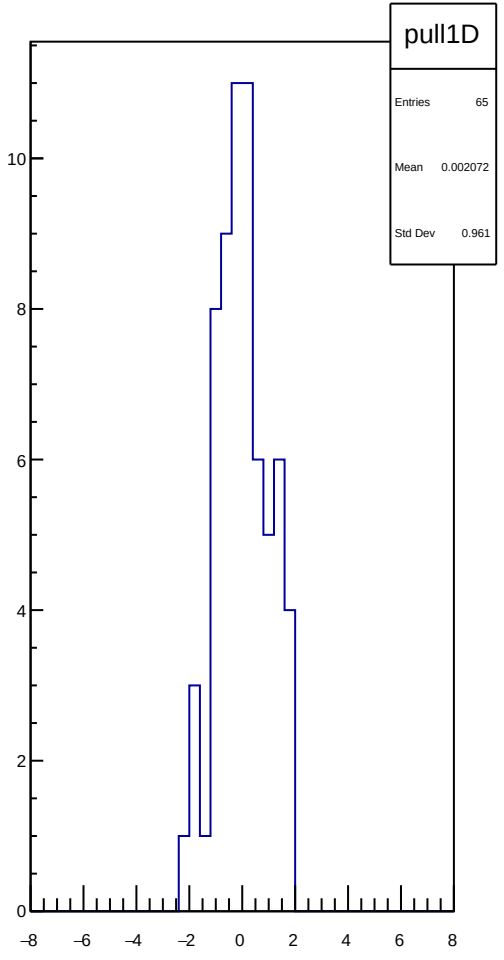

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 243.9 / 64
p0 289.3 ± 0.2605
305
300
295
290
285
280
275

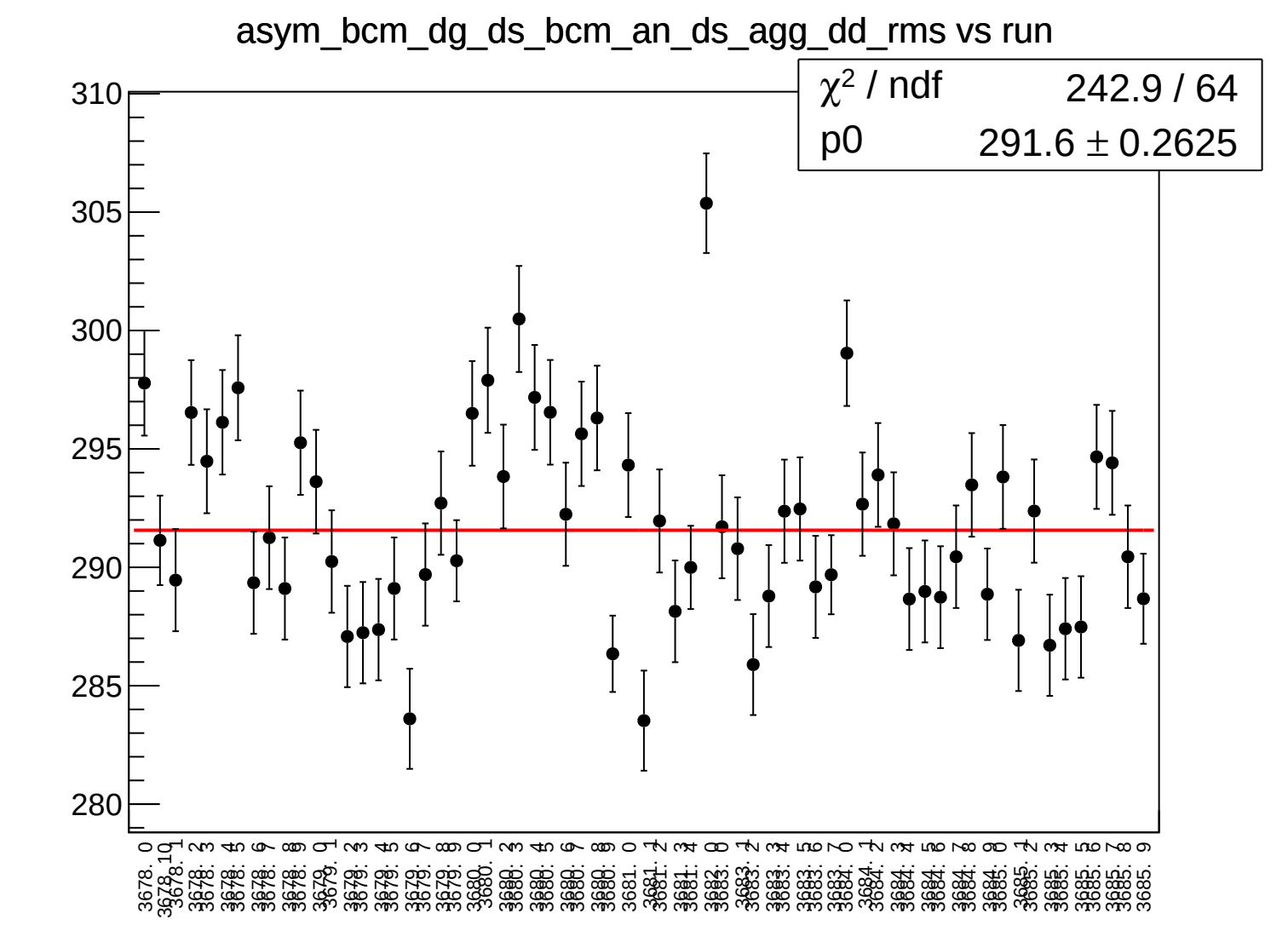

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 57.43 / 64
p0 −40.26 ± 371.3
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 407.4
Std Dev 359.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

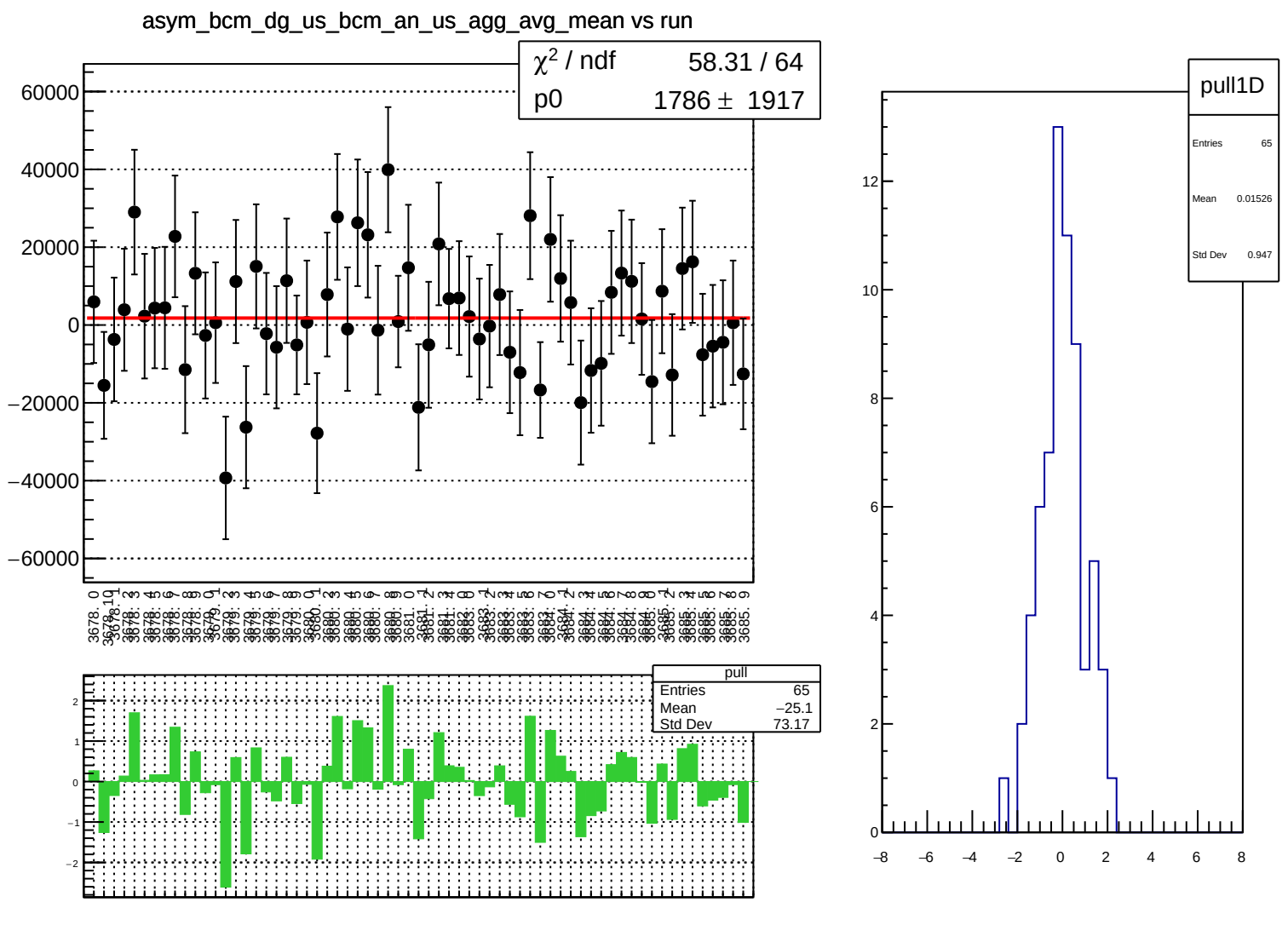

pull1D
Entries 65
Mean −0.005052
Std Dev 0.9399
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

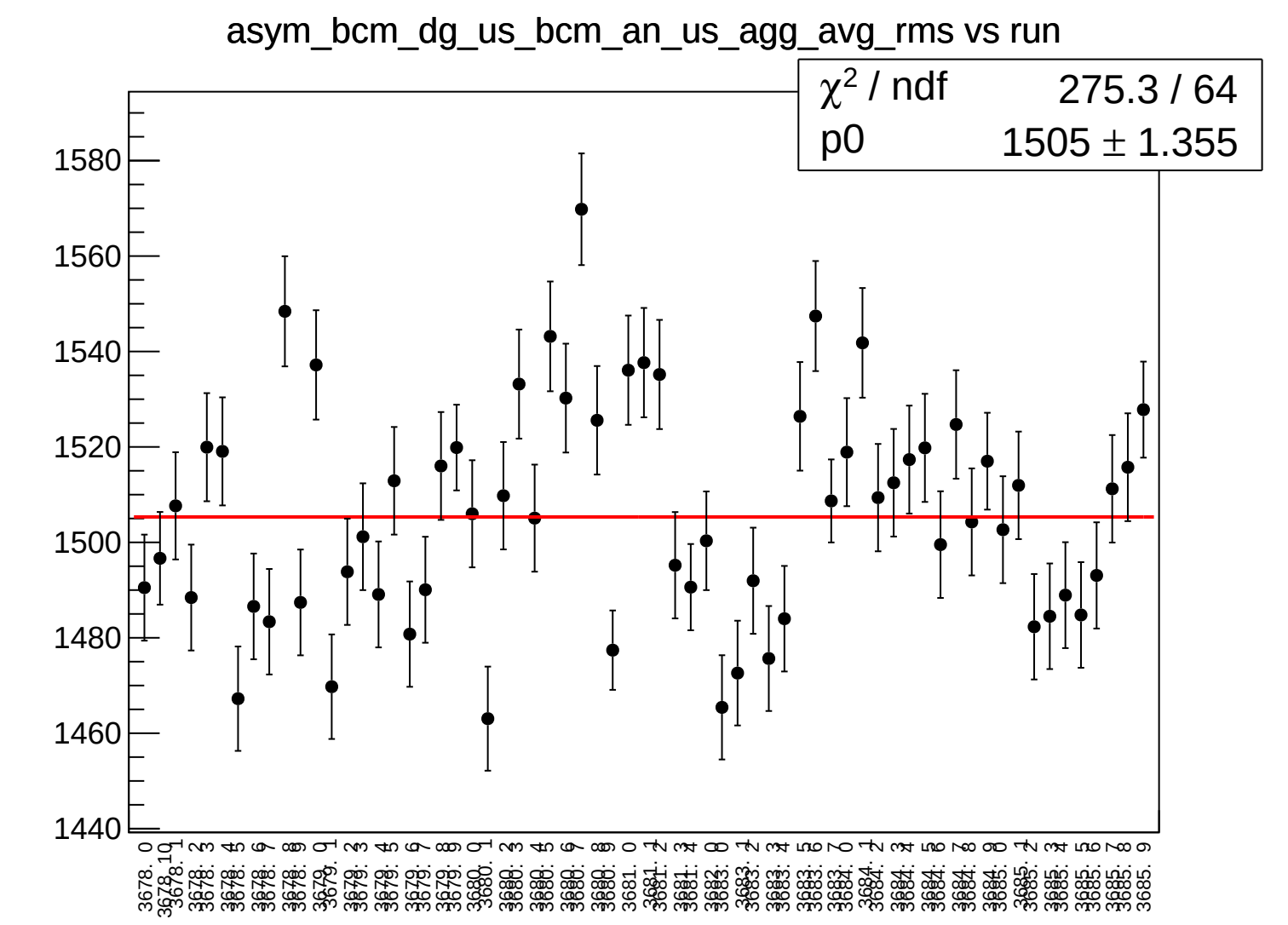

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 227 / 64
p0 291.6 ± 0.2625
310
305
300
295
290
285

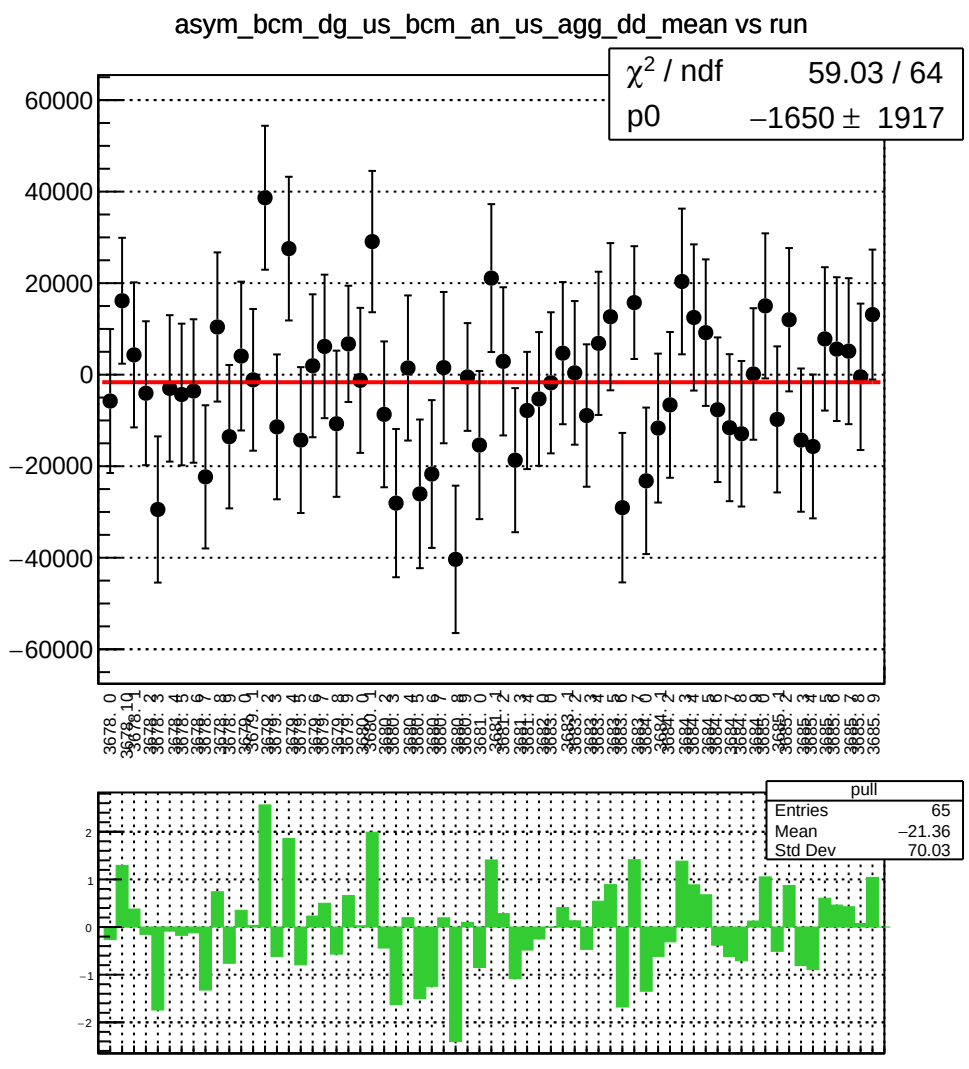

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 60.03 / 64
p0 112.4 ± 371.3
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 937.7
Std Dev 888.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

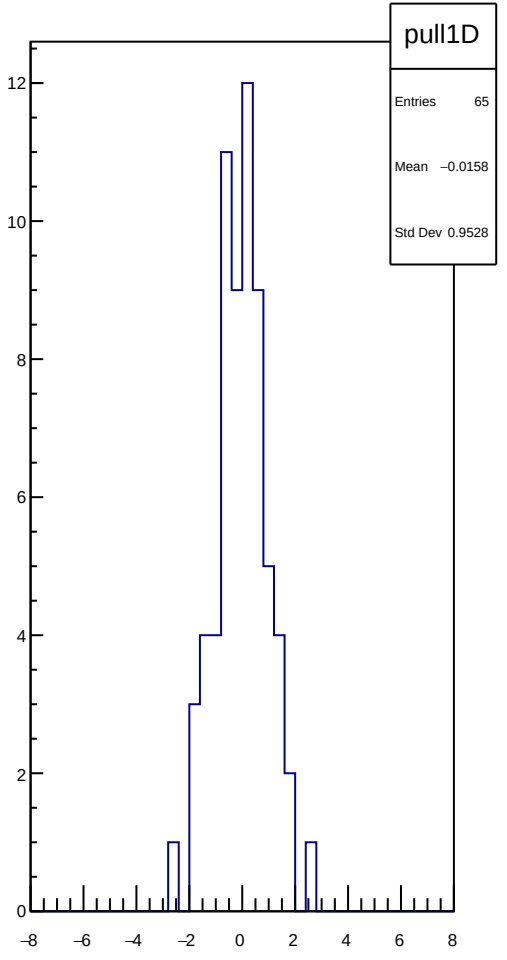

pull1D
Entries 65
Mean 0.002072
Std Dev 0.961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

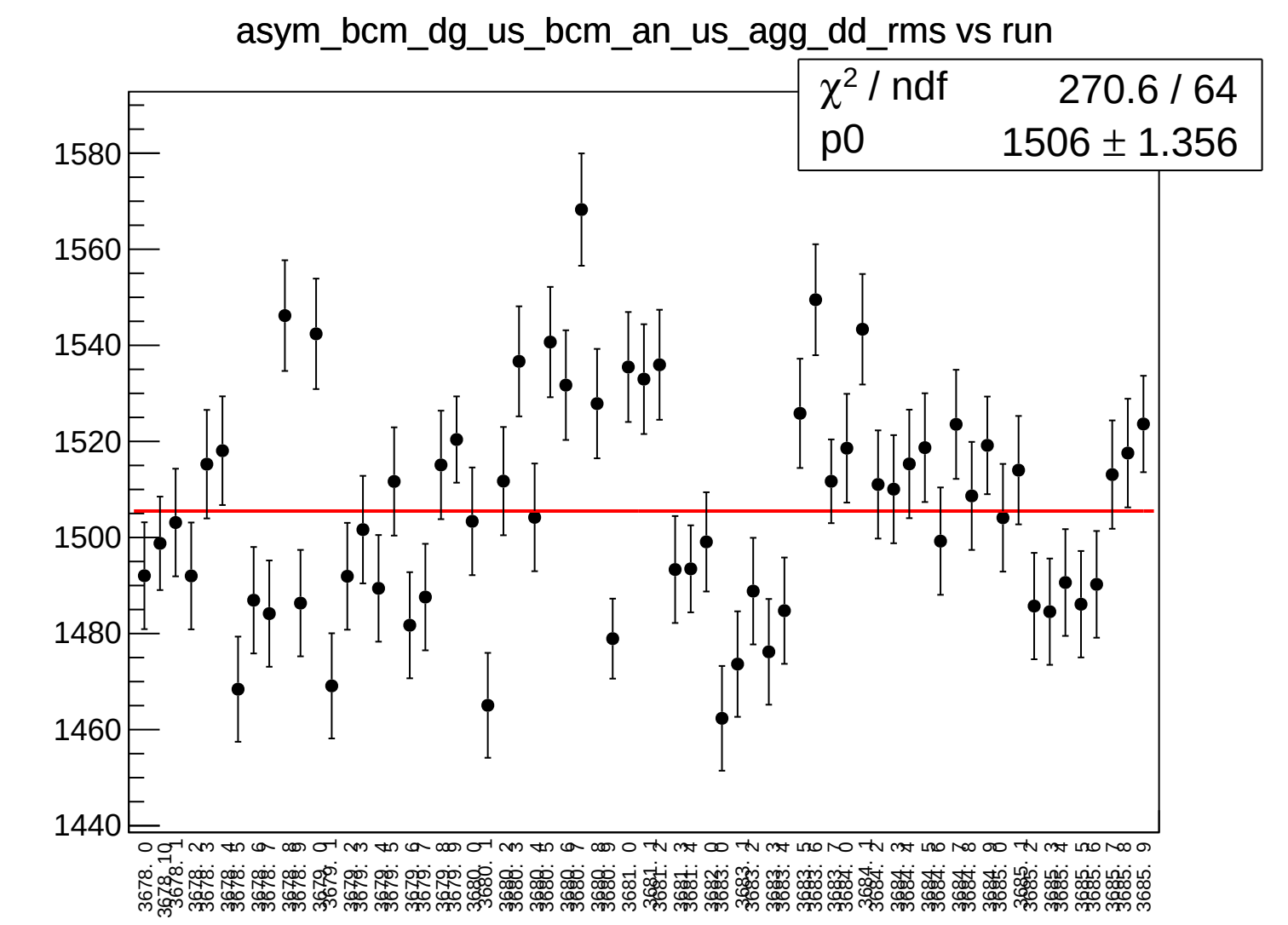

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 242.9 / 64
p0 291.6 ± 0.2625
310
305
300
295
290
285
280

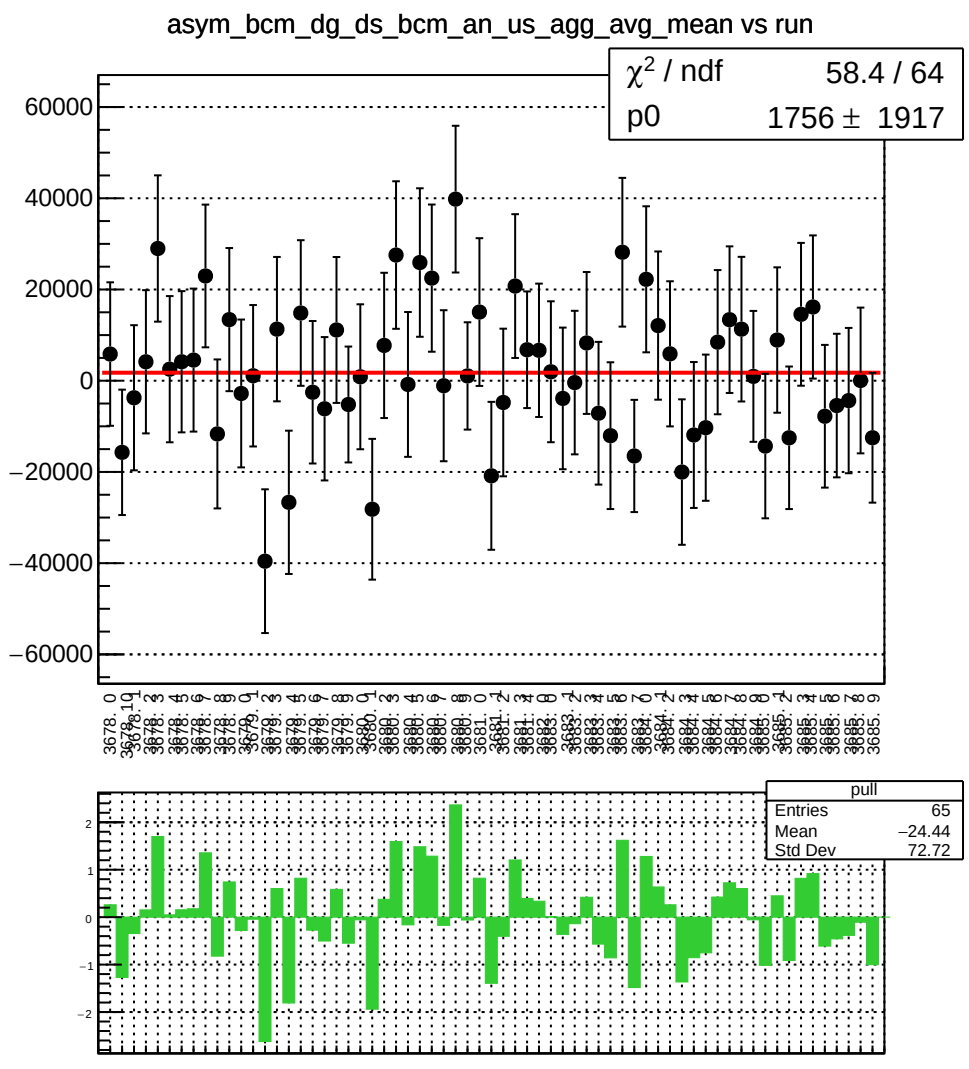

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 58.31 / 64
p0 1786 ± 1917
pull
Entries 65
Mean −25.1
Std Dev 73.17
pull1D
Entries 65
Mean 0.01526
Std Dev 0.947

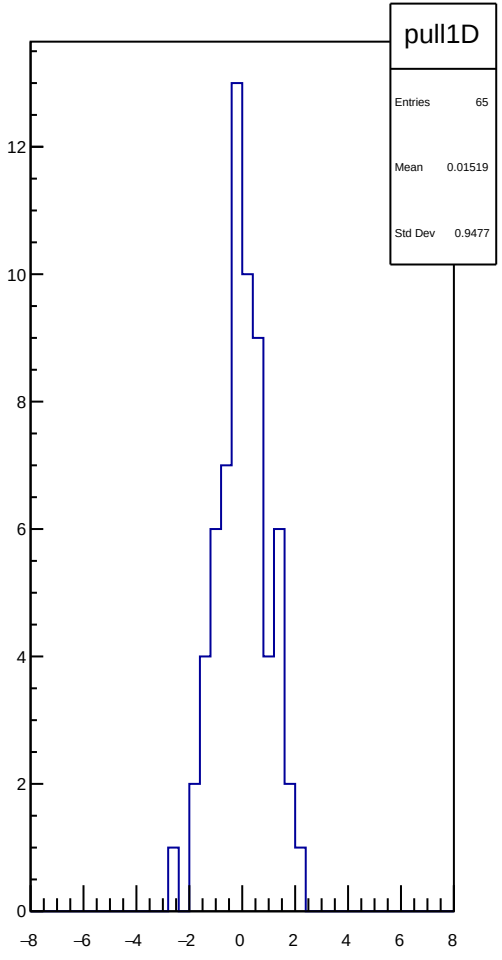

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 275.3 / 64
p0 1505 ± 1.355
1580
1560
1540
1520
1500
1480
1460
1440

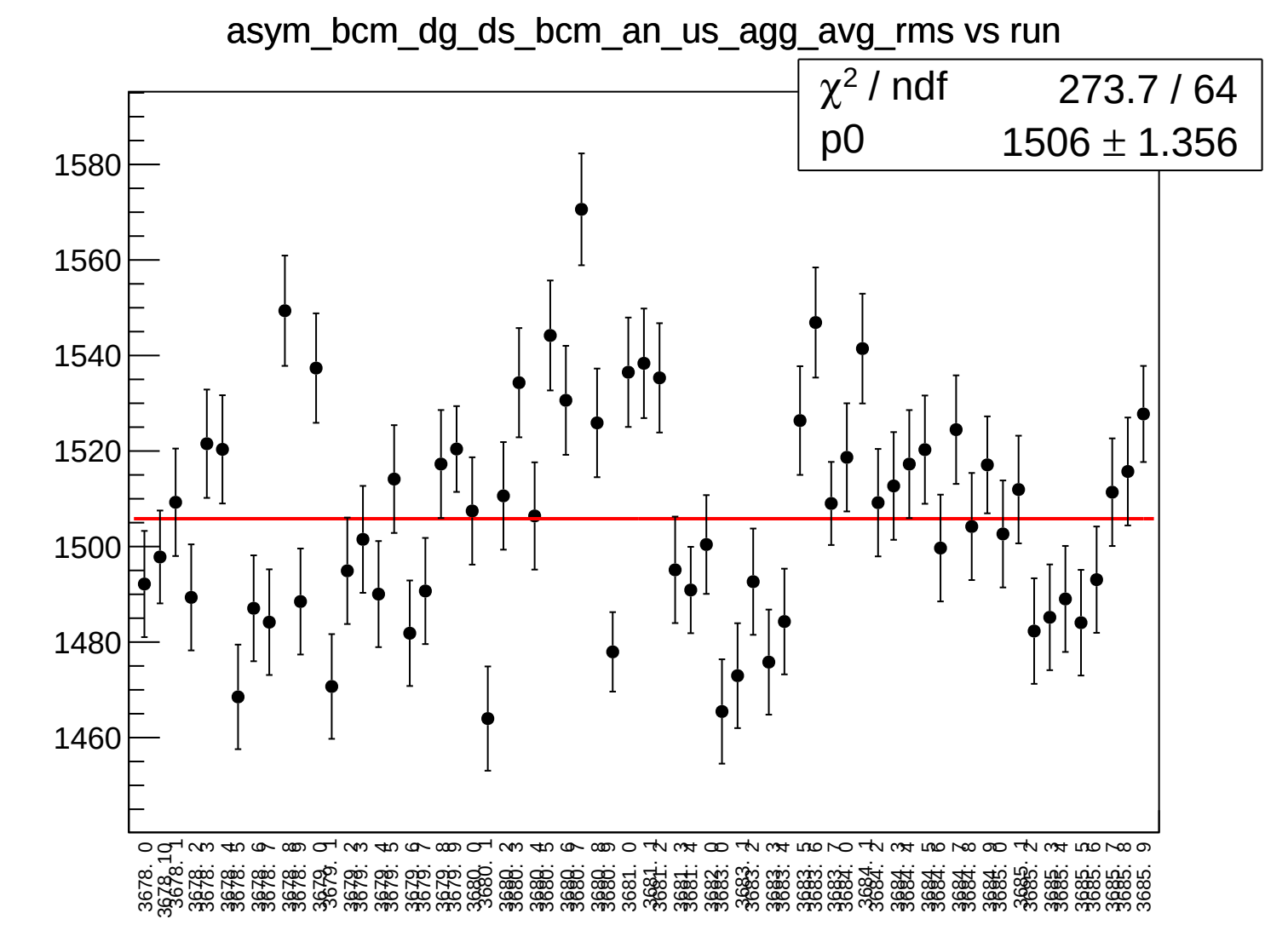

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 59.03 / 64
p0 −1650 ± 1917
pull
Entries 65
Mean −21.36
Std Dev 70.03

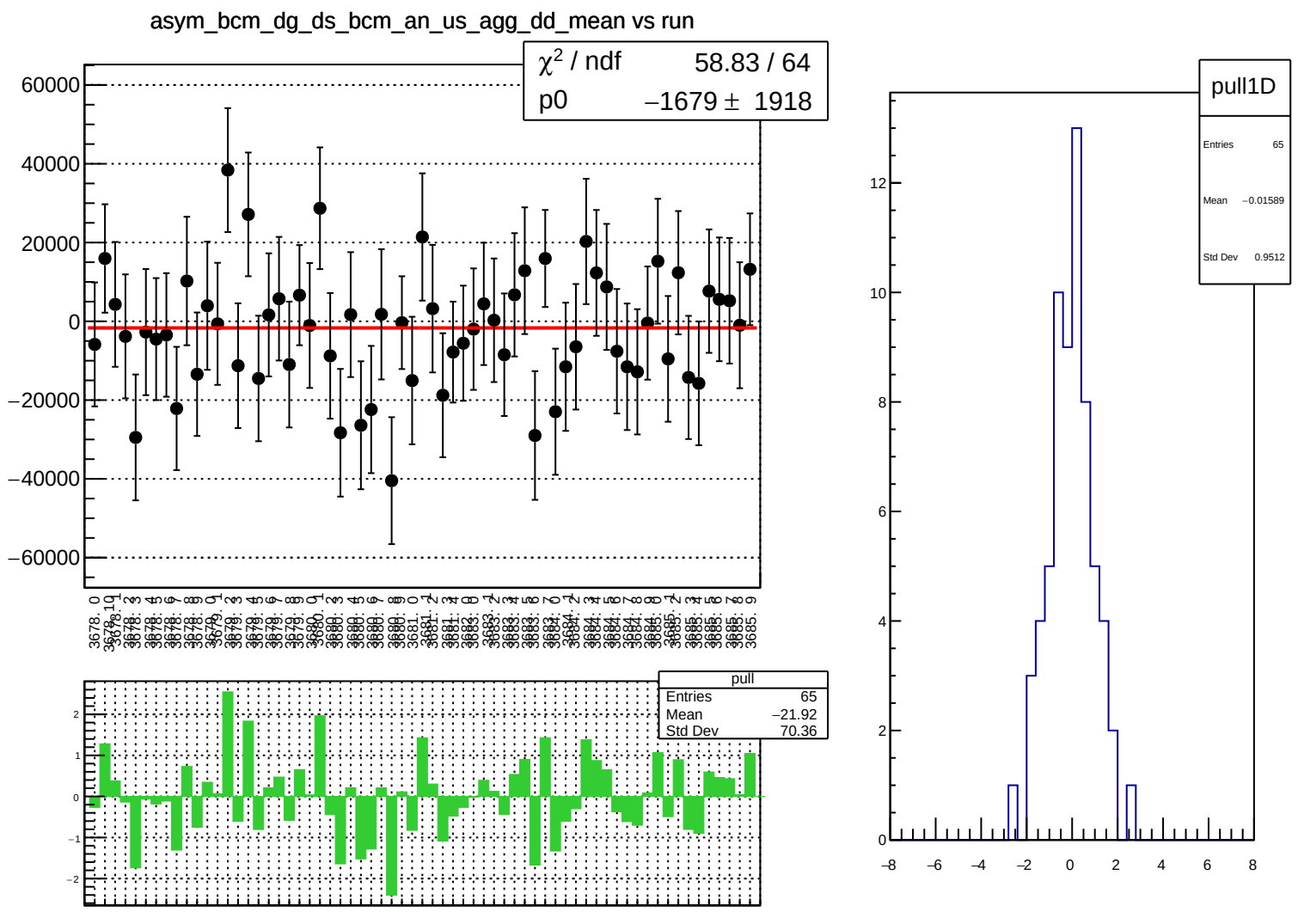

pull1D
Entries 65
Mean −0.0158
Std Dev 0.9528

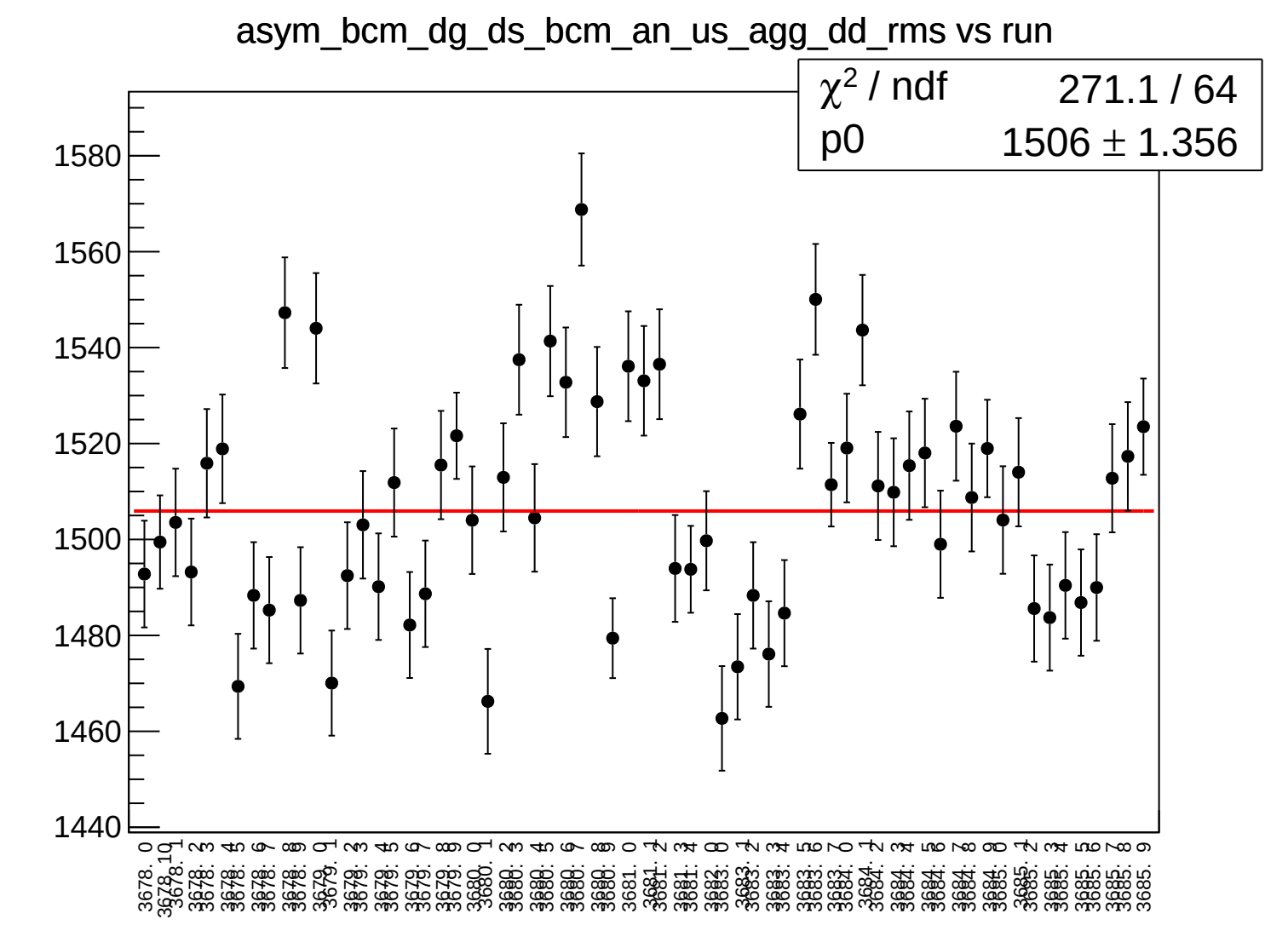

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 270.6 / 64
p0 1506 ± 1.356
1580
1560
1540
1520
1500
1480
1460
1440

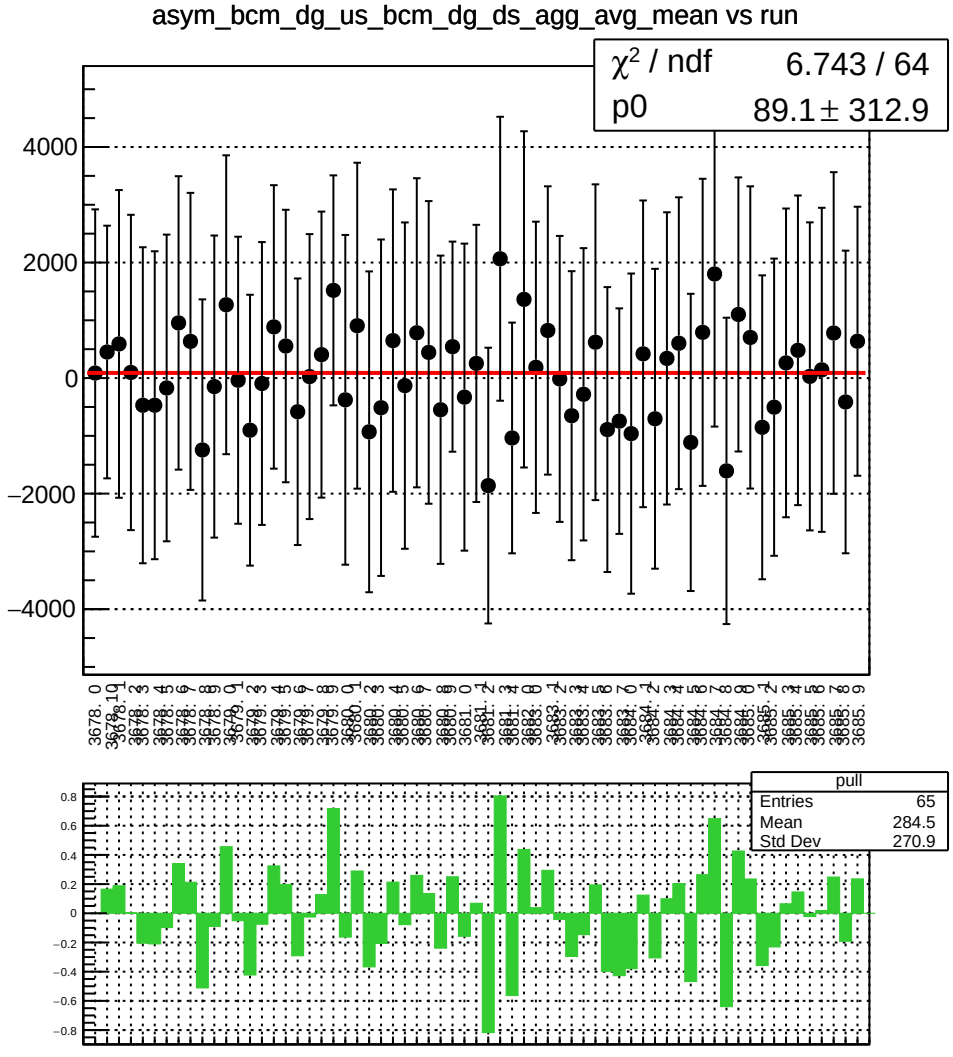

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 58.4 / 64
p0 1756 ± 1917
pull
Entries 65
Mean −24.44
Std Dev 72.72

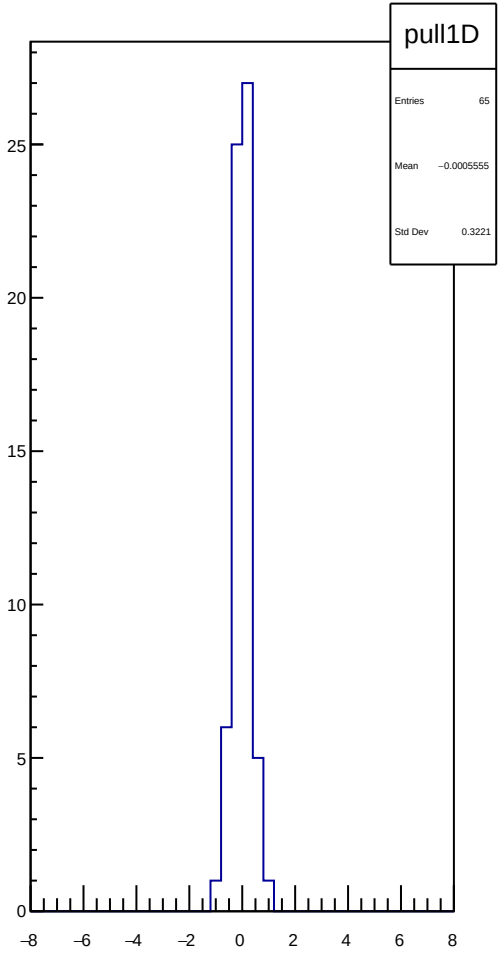

pull1D
Entries 65
Mean 0.01519
Std Dev 0.9477

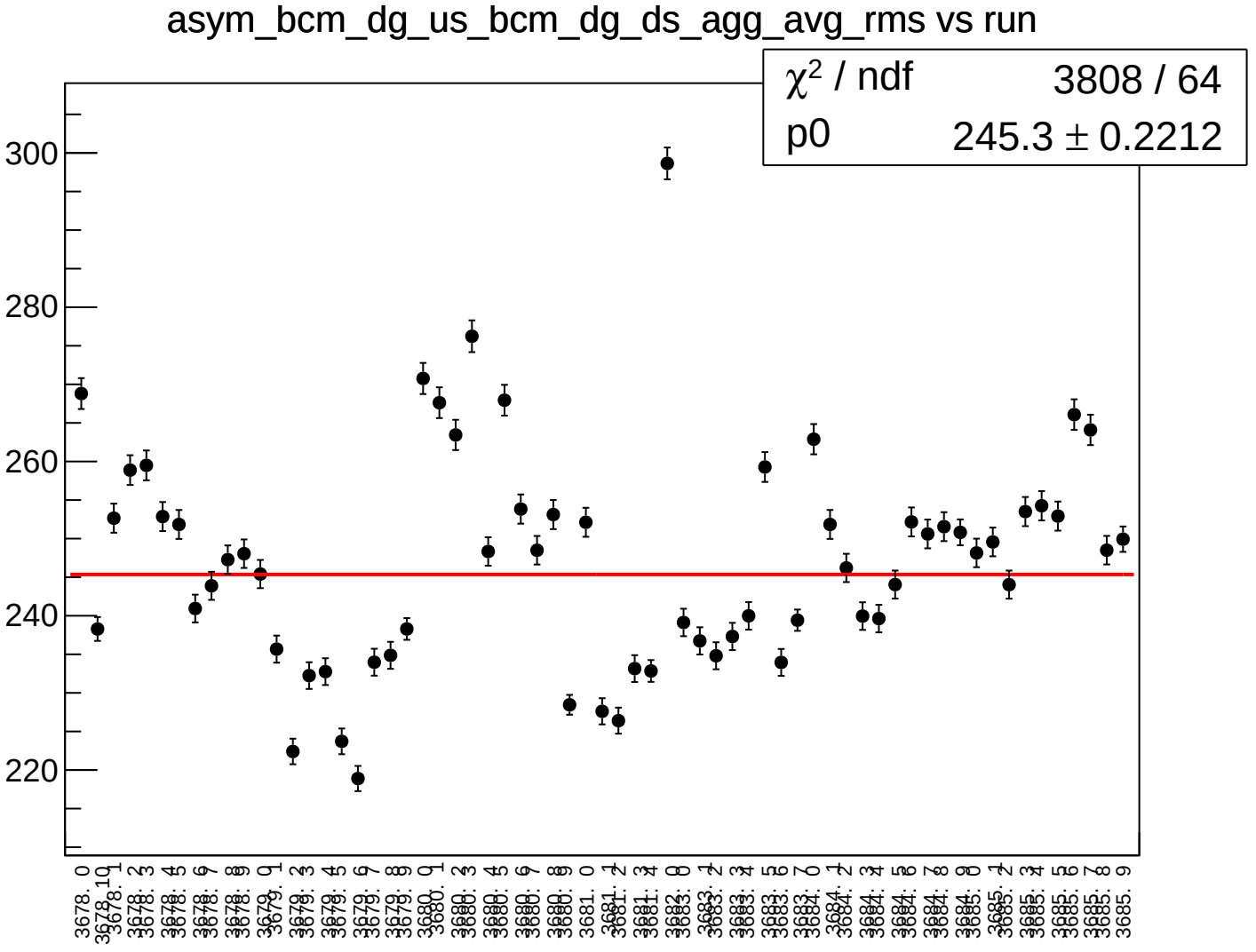

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 273.7 / 64
p0 1506 ± 1.356
1580
1560
1540
1520
1500
1480
1460

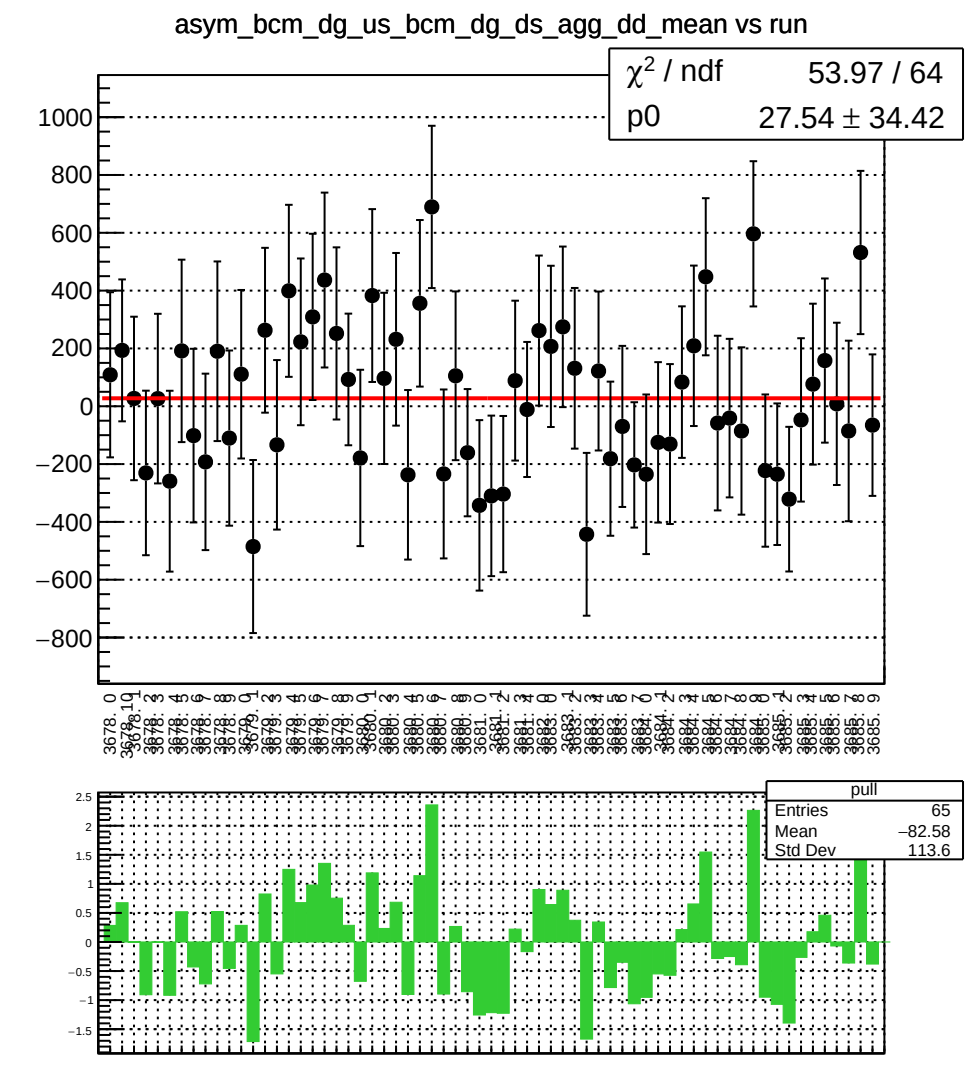

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 58.83 / 64
p0 −1679 ± 1918
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 65
Mean −21.92
Std Dev 70.36
2
1
0
−1
−2
pull1D
Entries 65
Mean −0.01589
Std Dev 0.9512
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

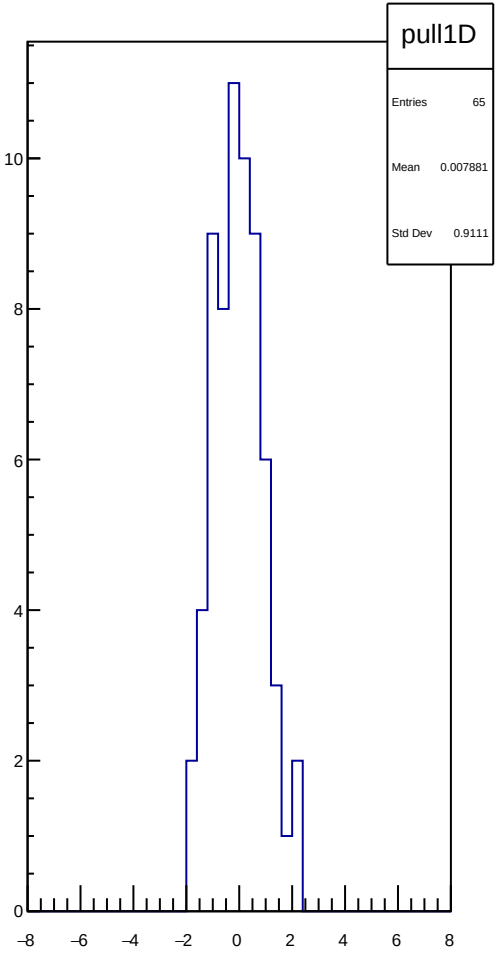

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 271.1 / 64
p0 1506 ± 1.356
1580
1560
1540
1520
1500
1480
1460
1440

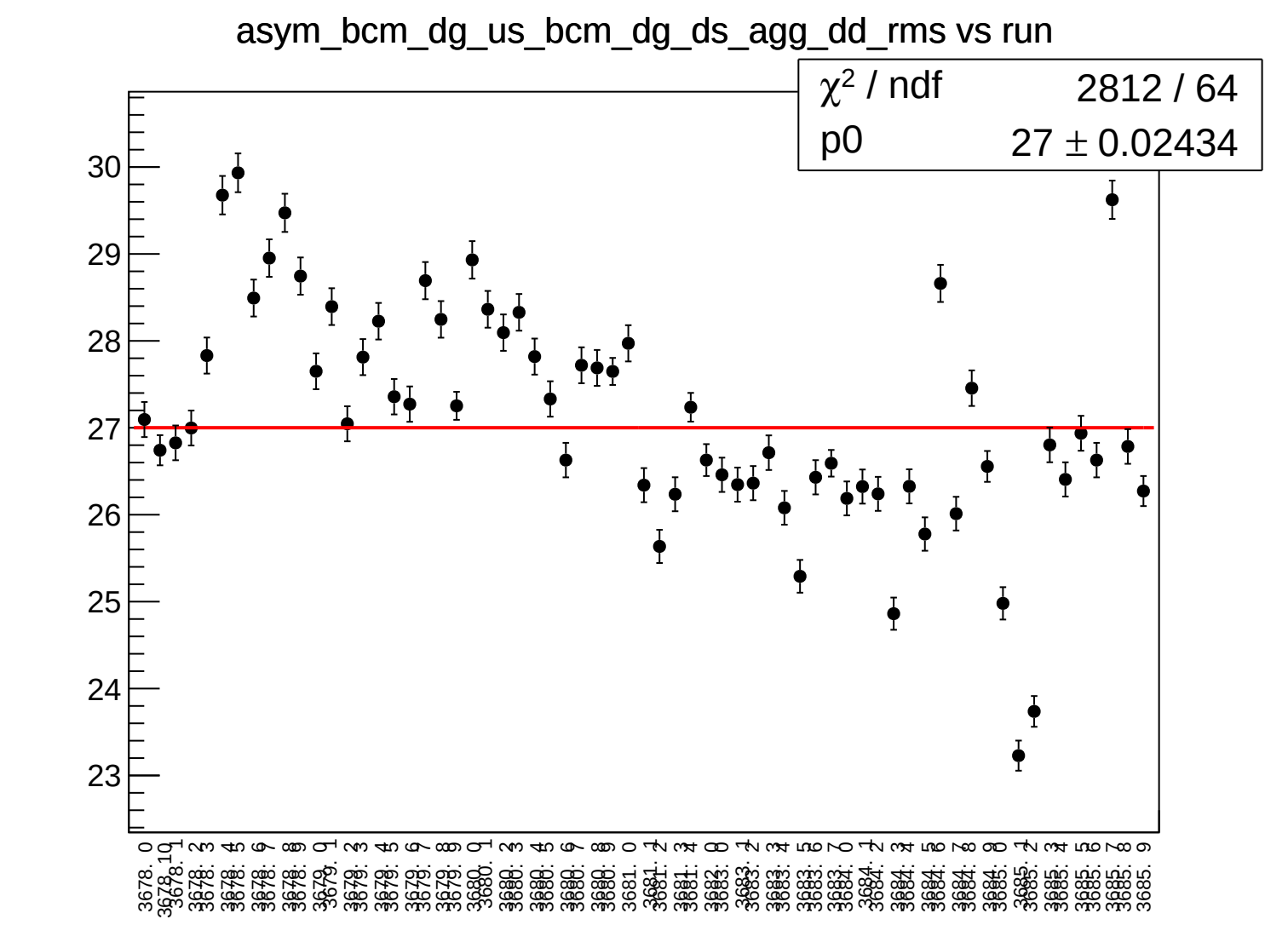

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 6.743 / 64
p0 89.1 ± 312.9
4000
2000
0
−2000
−4000
pull
Entries 65
Mean 284.5
Std Dev 270.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

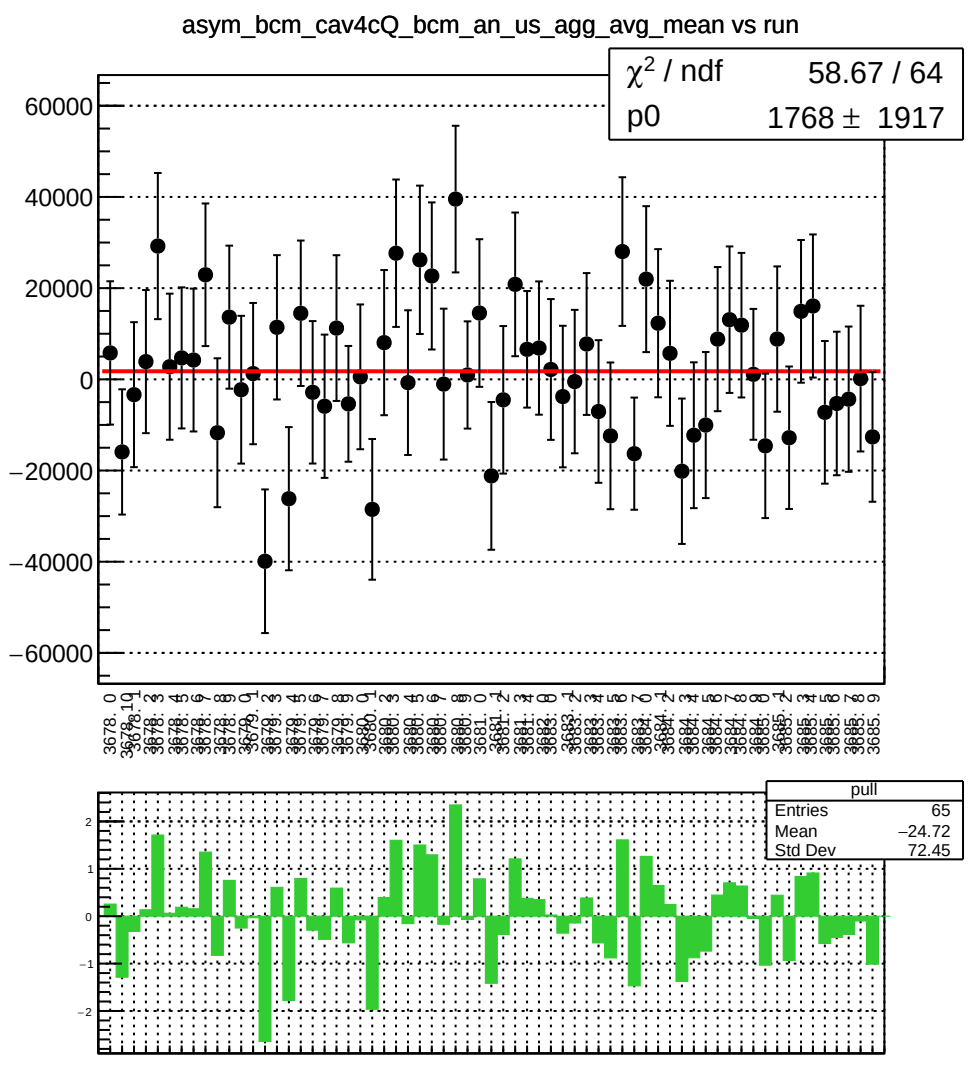

pull1D
Entries 65
Mean −0.0005555
Std Dev 0.3221
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

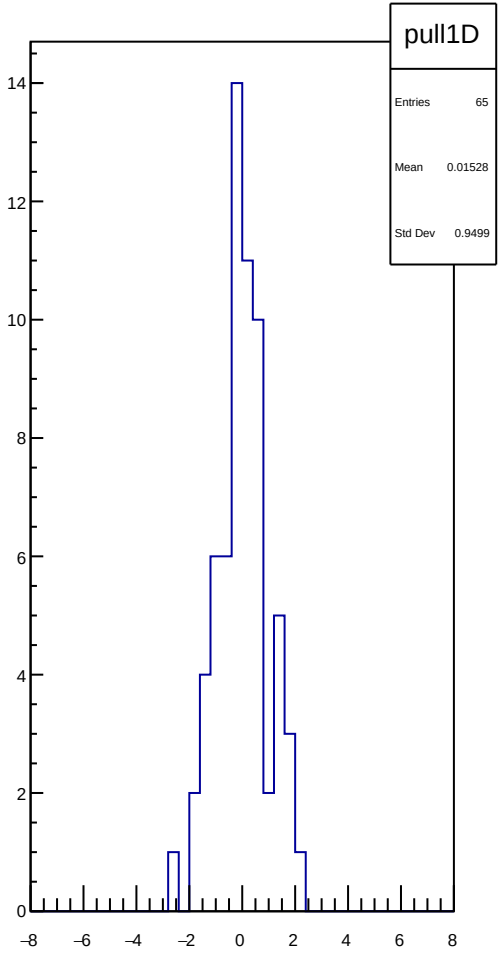

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3808 / 64
p0 245.3 ± 0.2212
300
280
260
240
220

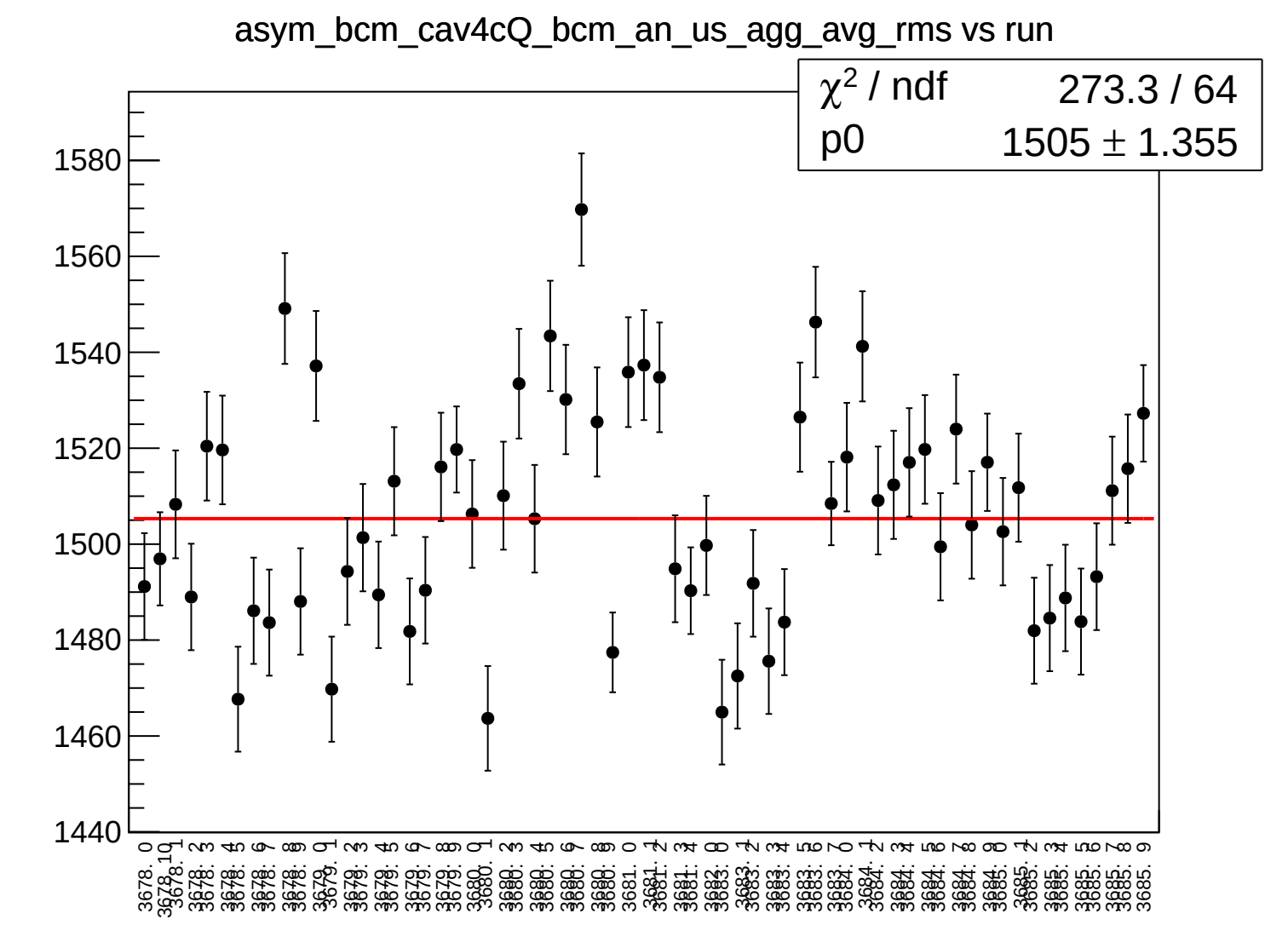

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 53.97 / 64
p0 27.54 ± 34.42
pull
Entries 65
Mean −82.58
Std Dev 113.6

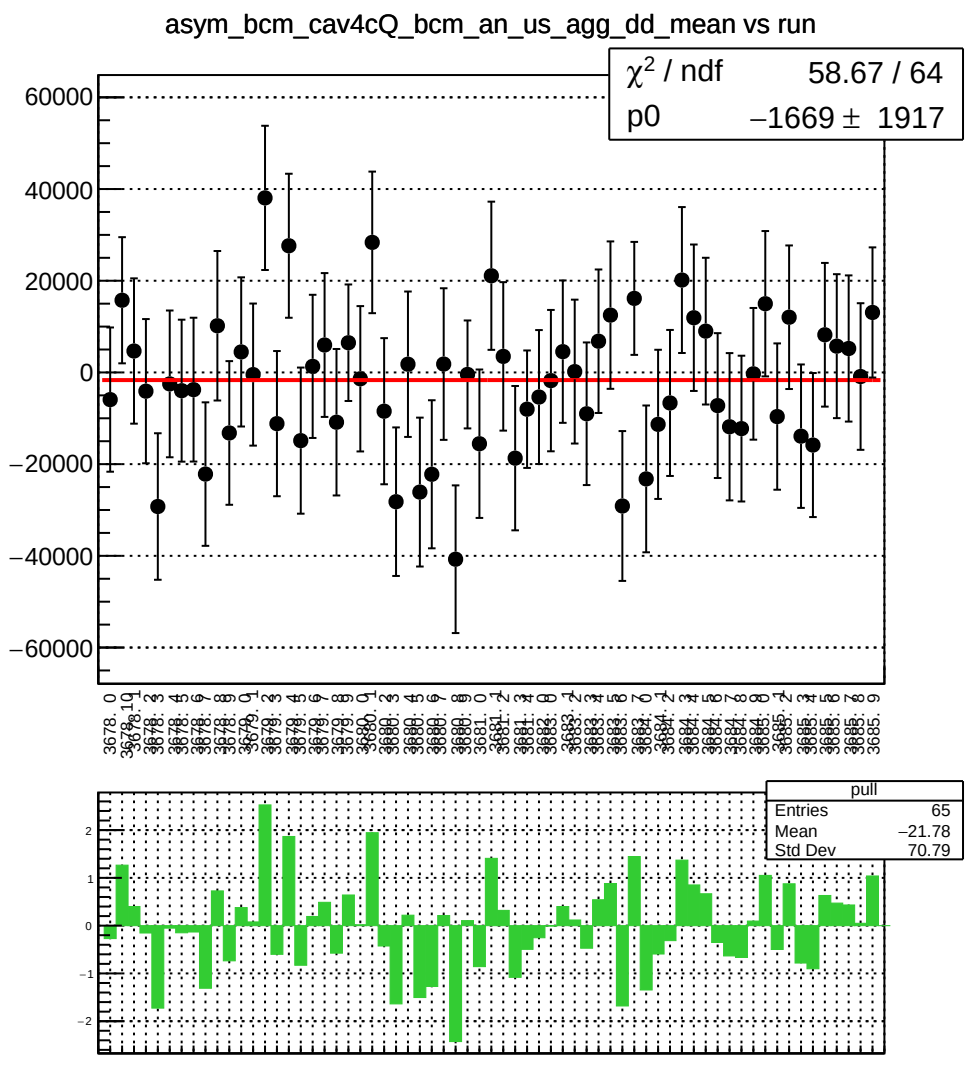

pull1D
Entries 65
Mean 0.007881
Std Dev 0.9111

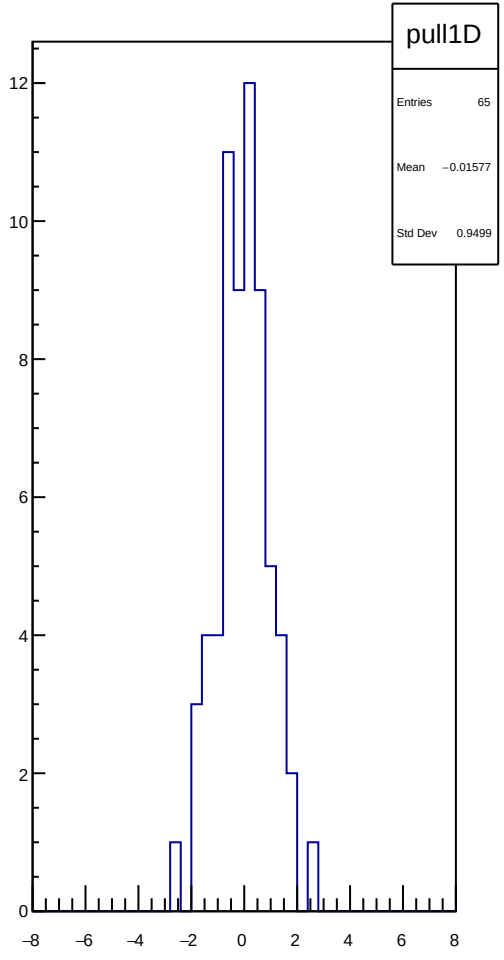

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2812 / 64
p0 27 ± 0.02434
30
29
28
27
26
25
24
23

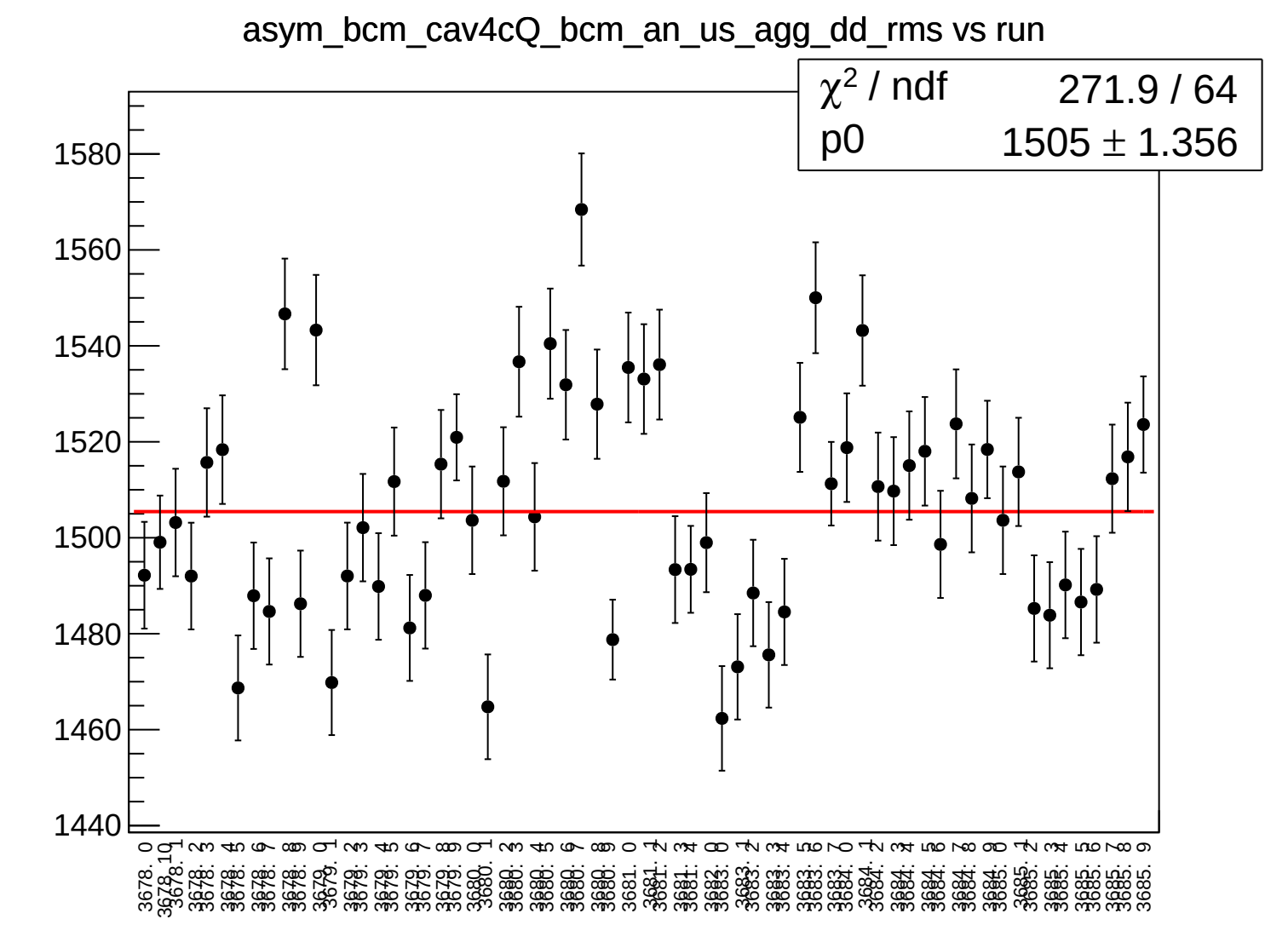

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 58.67 / 64
p0 1768 ± 1917
pull
Entries 65
Mean −24.72
Std Dev 72.45

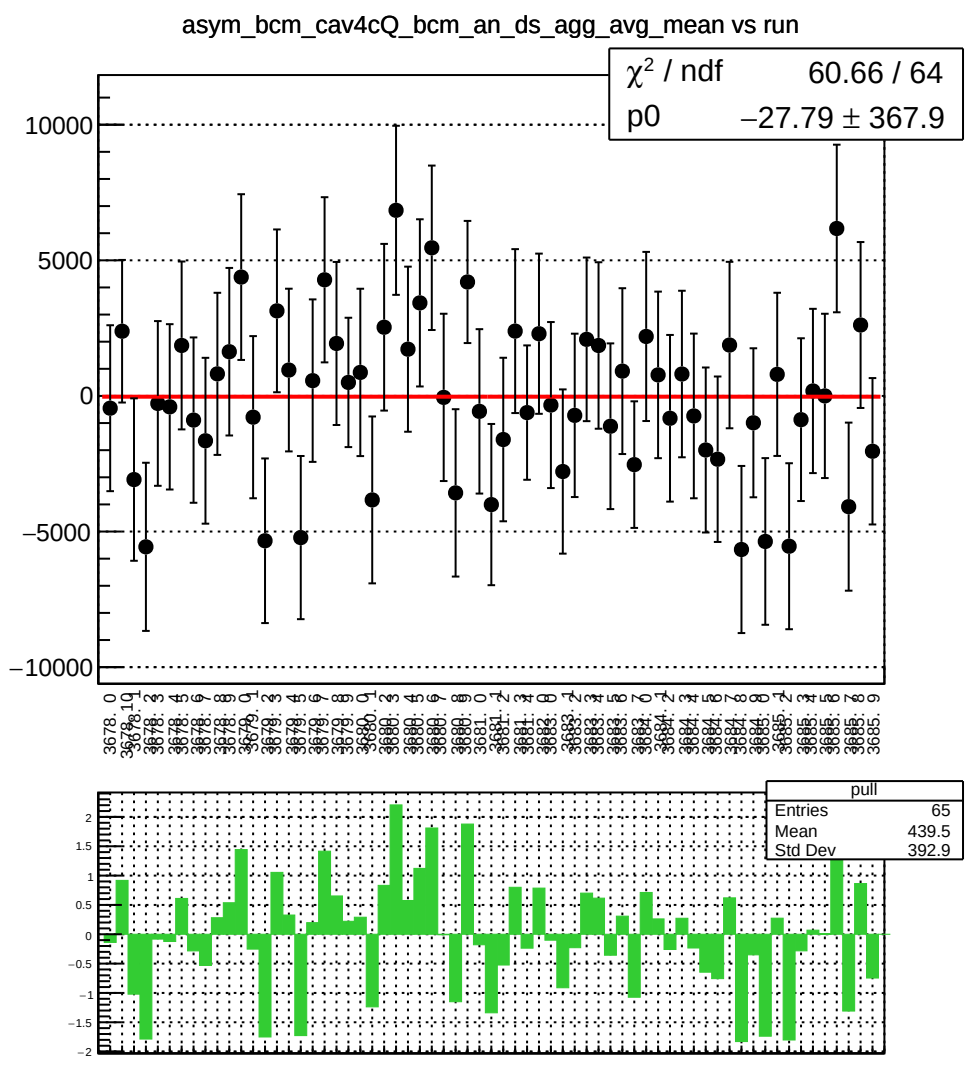

pull1D
Entries 65
Mean 0.01528
Std Dev 0.9499

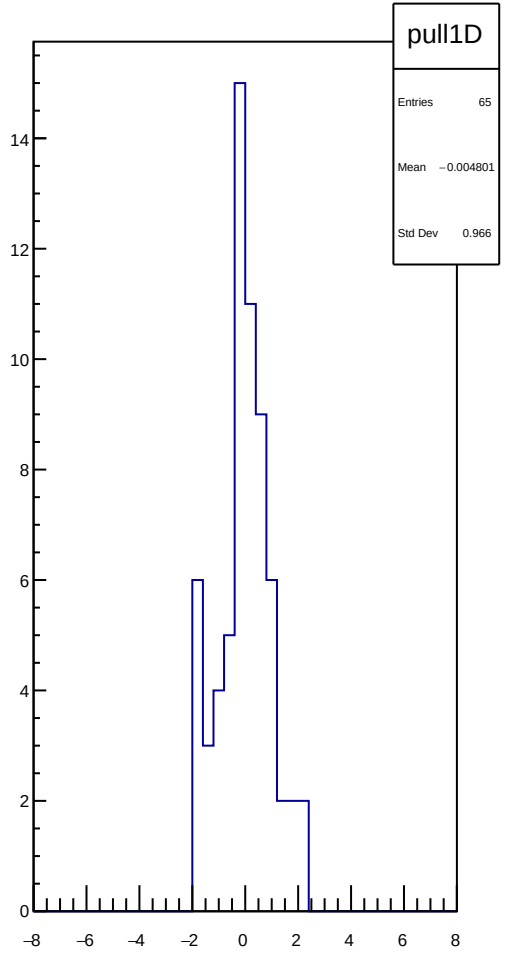

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 273.3 / 64
p0 1505 ± 1.355
1580
1560
1540
1520
1500
1480
1460
1440

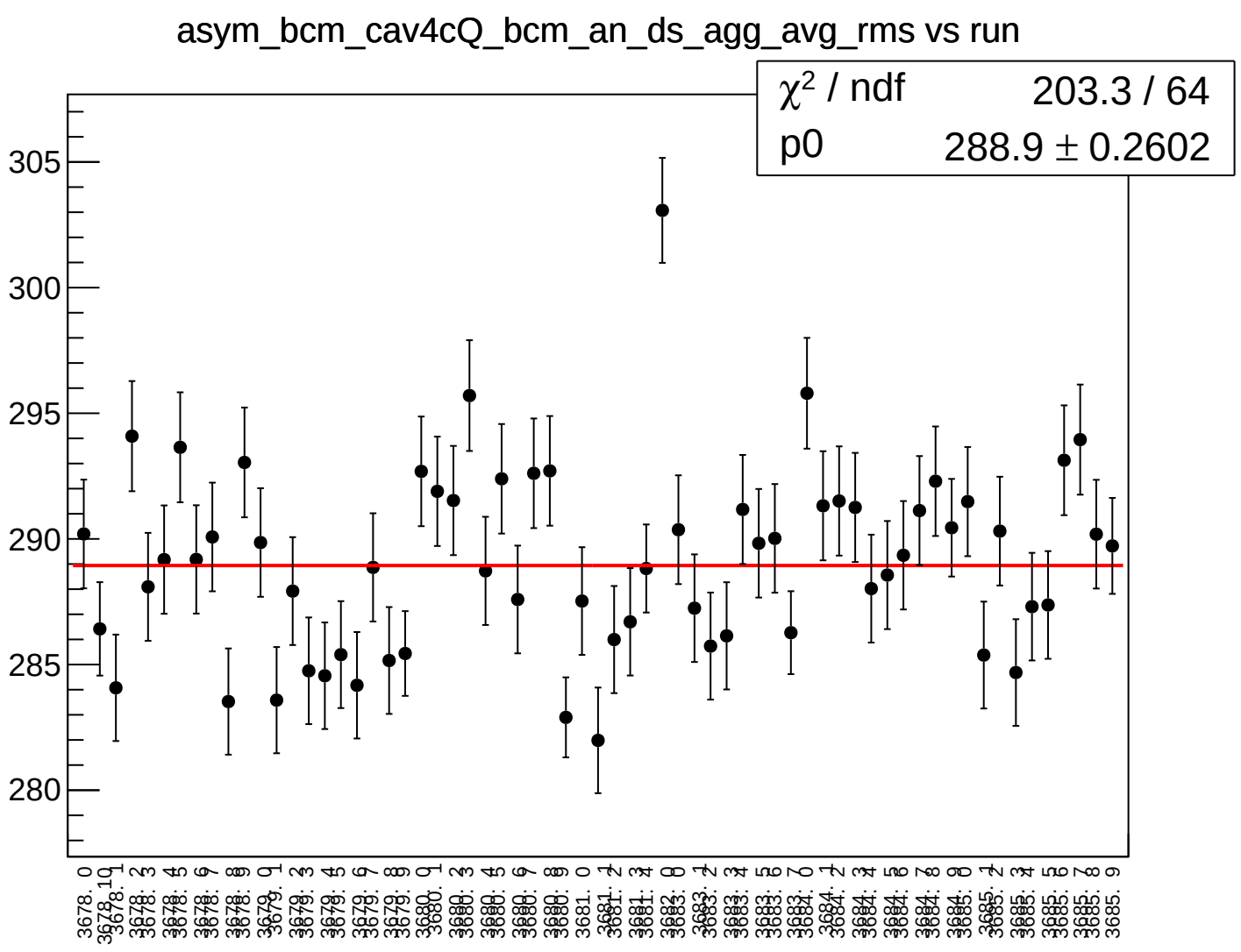

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 58.67 / 64
p0 −1669 ± 1917
pull
Entries 65
Mean −21.78
Std Dev 70.79

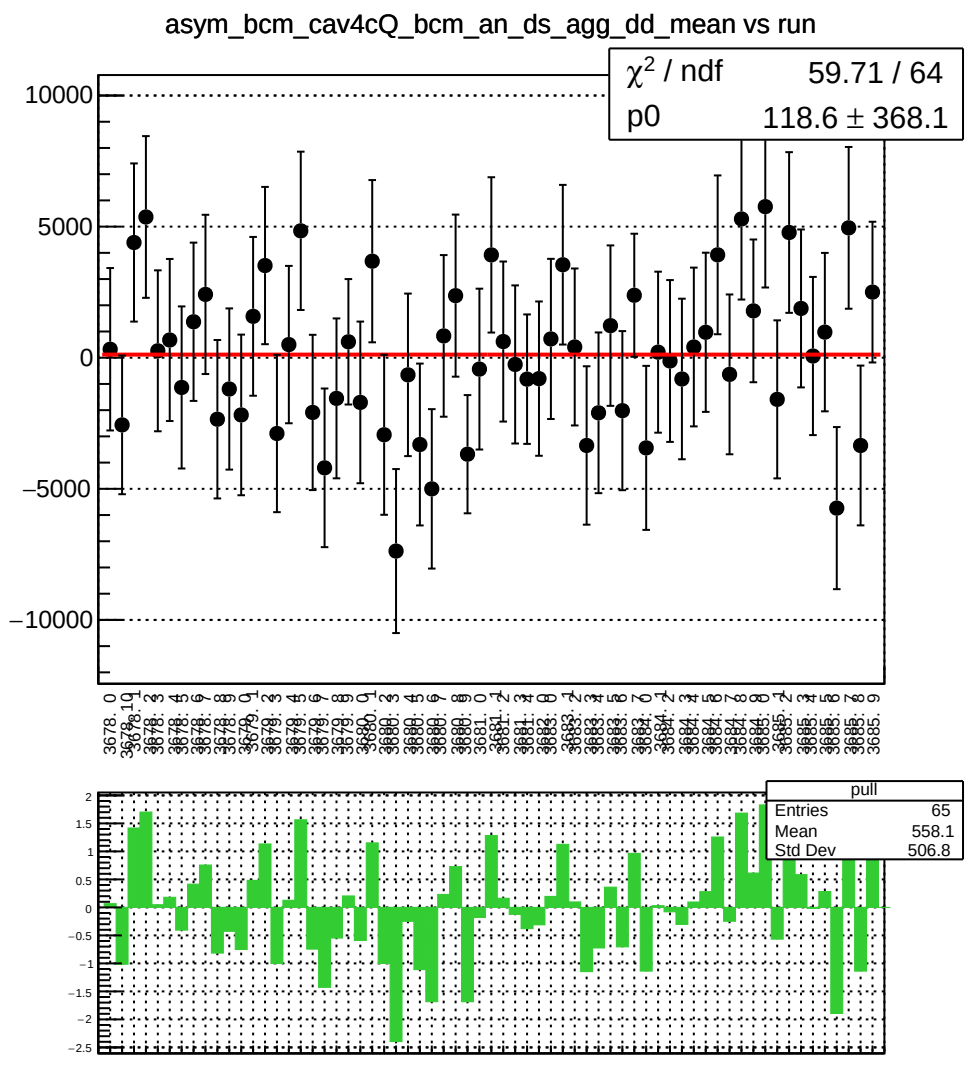

pull1D
Entries 65
Mean −0.01577
Std Dev 0.9499

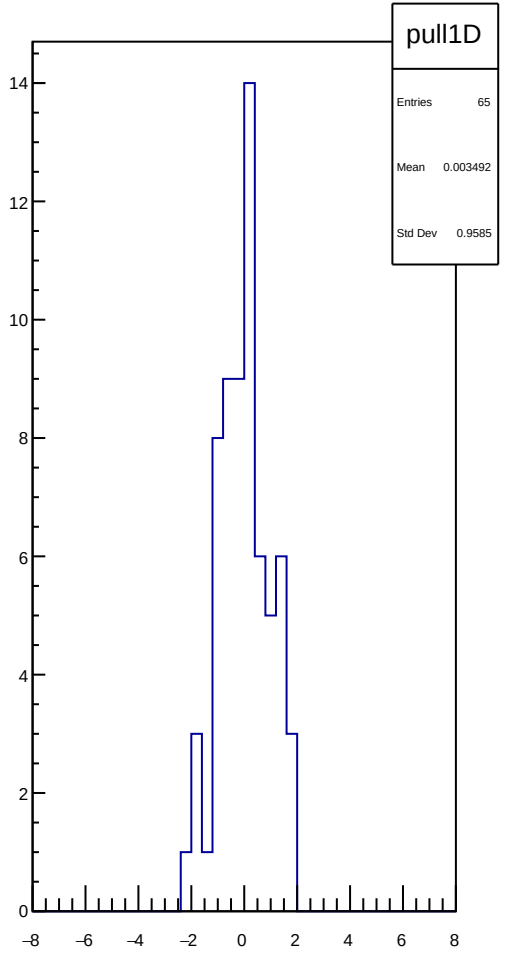

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 271.9 / 64
p0 1505 ± 1.356
1580
1560
1540
1520
1500
1480
1460
1440

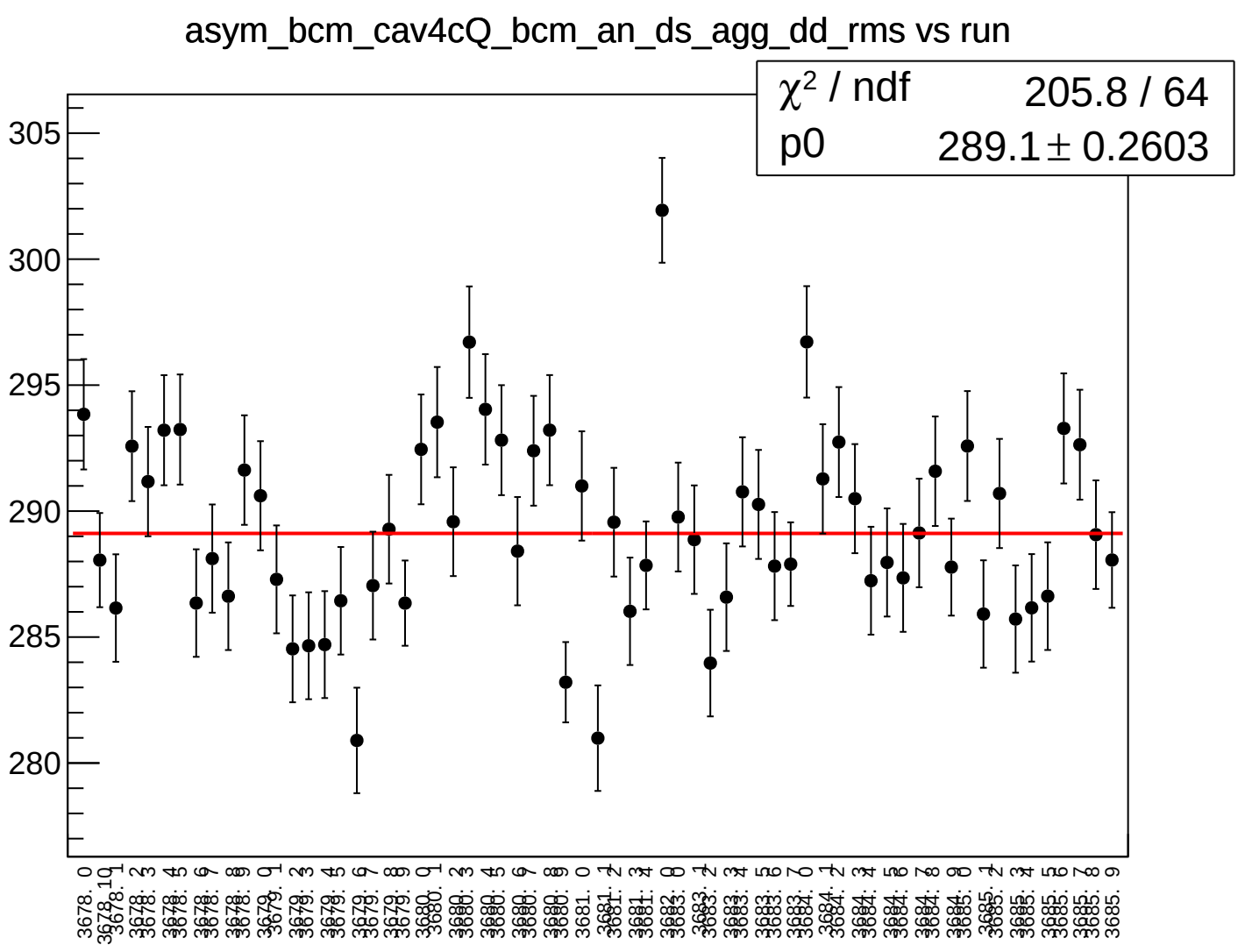

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 60.66 / 64
p0 −27.79 ± 367.9
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 439.5
Std Dev 392.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

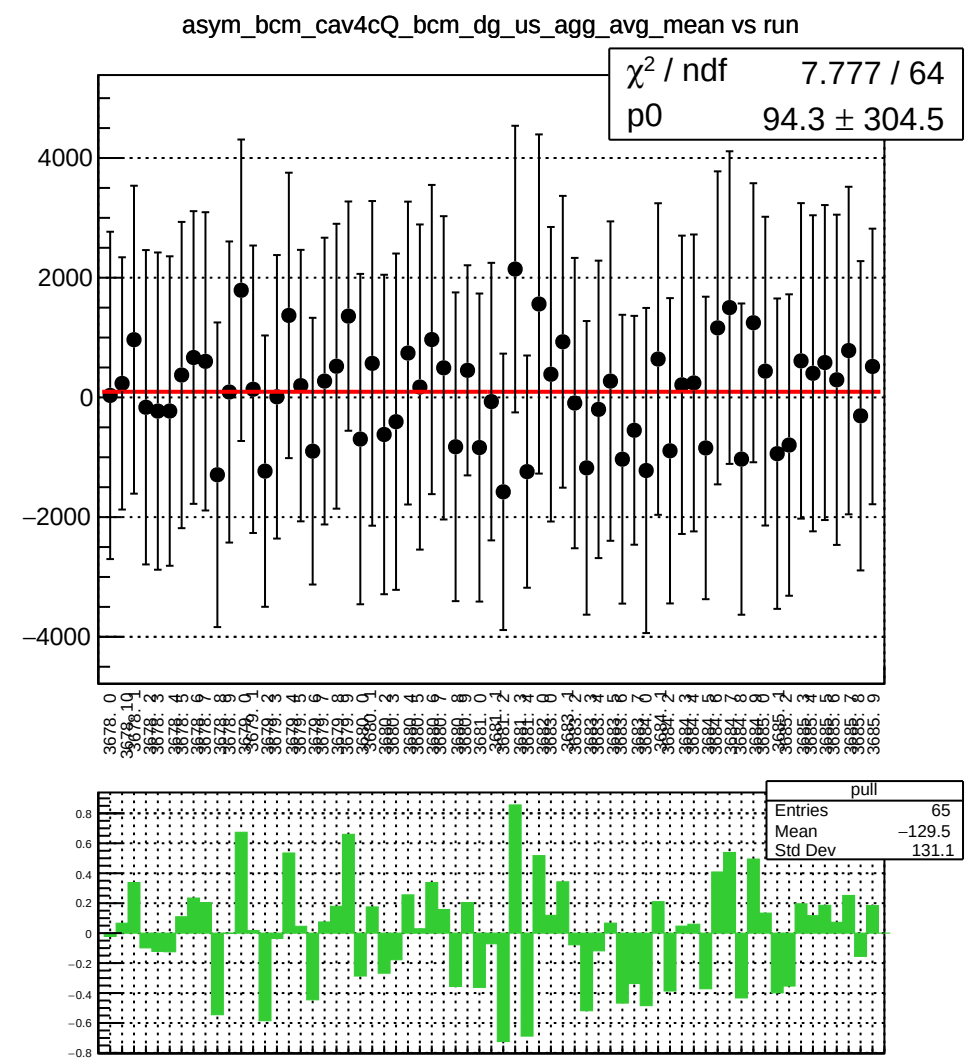

pull1D
Entries 65
Mean −0.004801
Std Dev 0.966
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

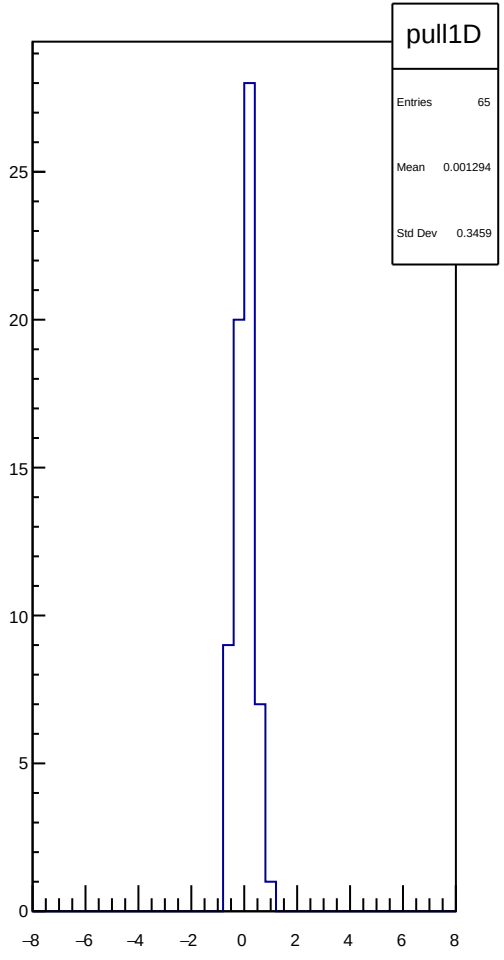

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 203.3 / 64
p0 288.9 ± 0.2602
305
300
295
290
285
280

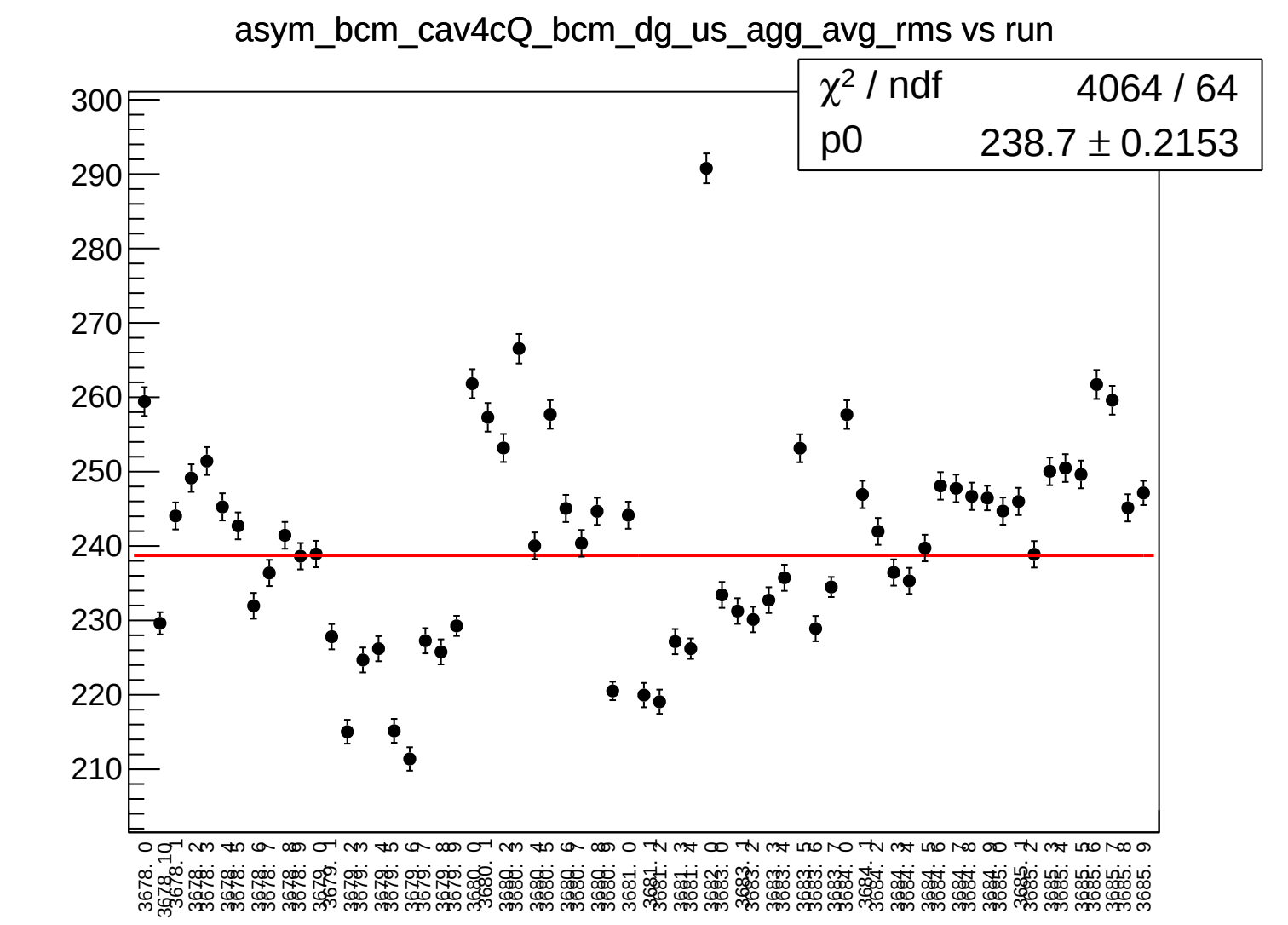

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 59.71 / 64
p0 118.6 ± 368.1
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 558.1
Std Dev 506.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

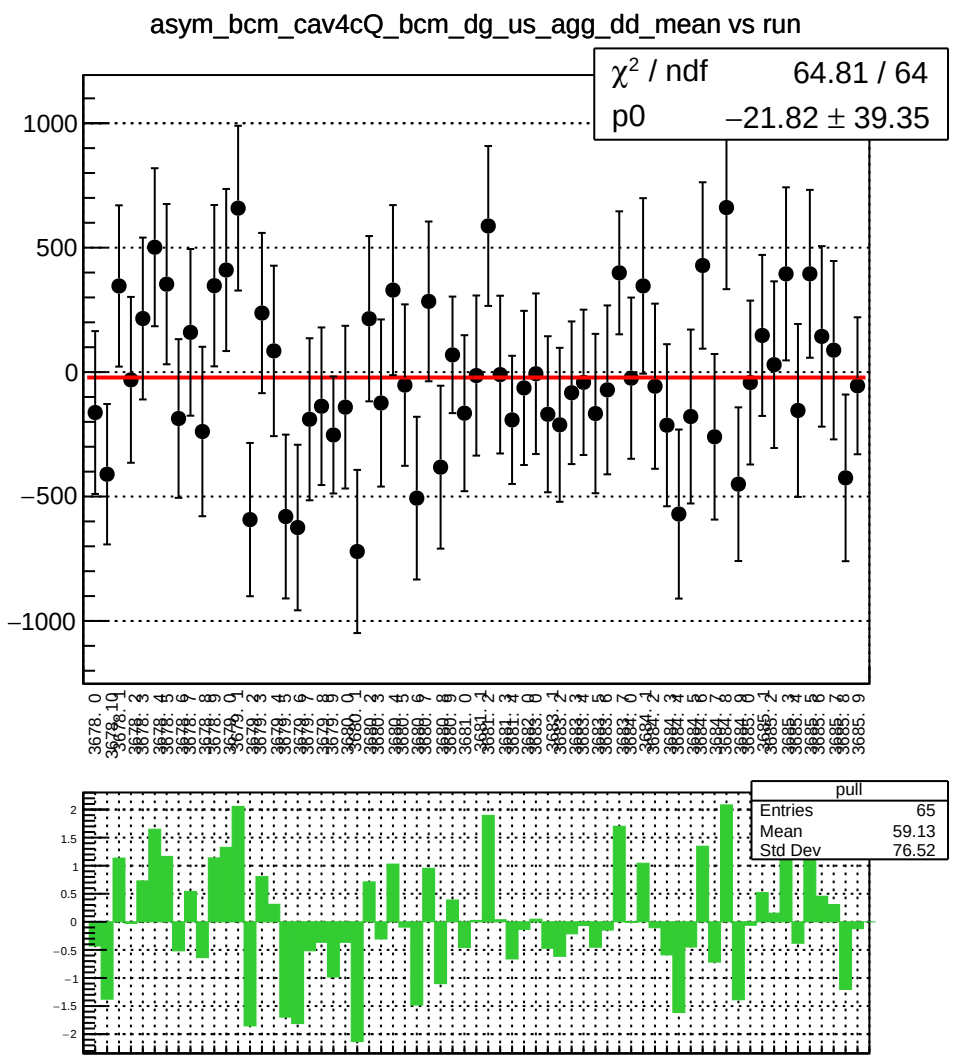

pull1D
Entries 65
Mean 0.003492
Std Dev 0.9585
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

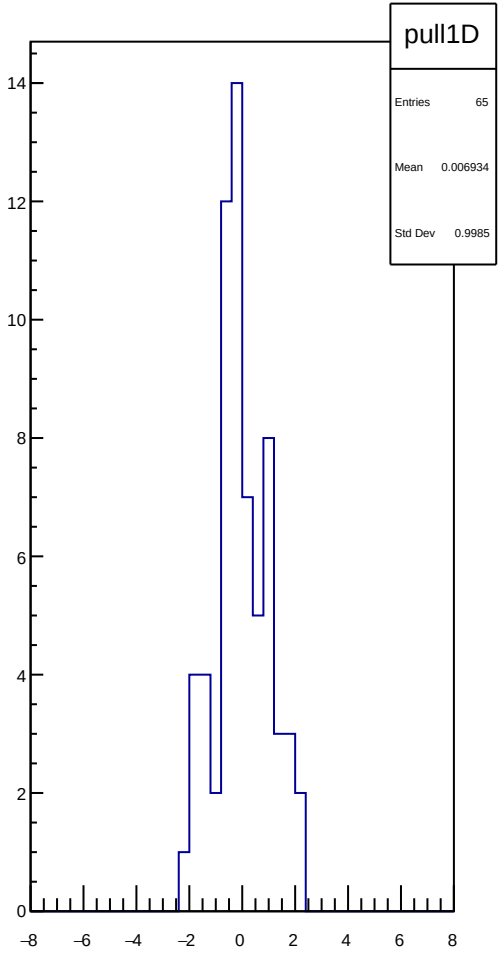

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 205.8 / 64
p0 289.1 ± 0.2603
305
300
295
290
285
280

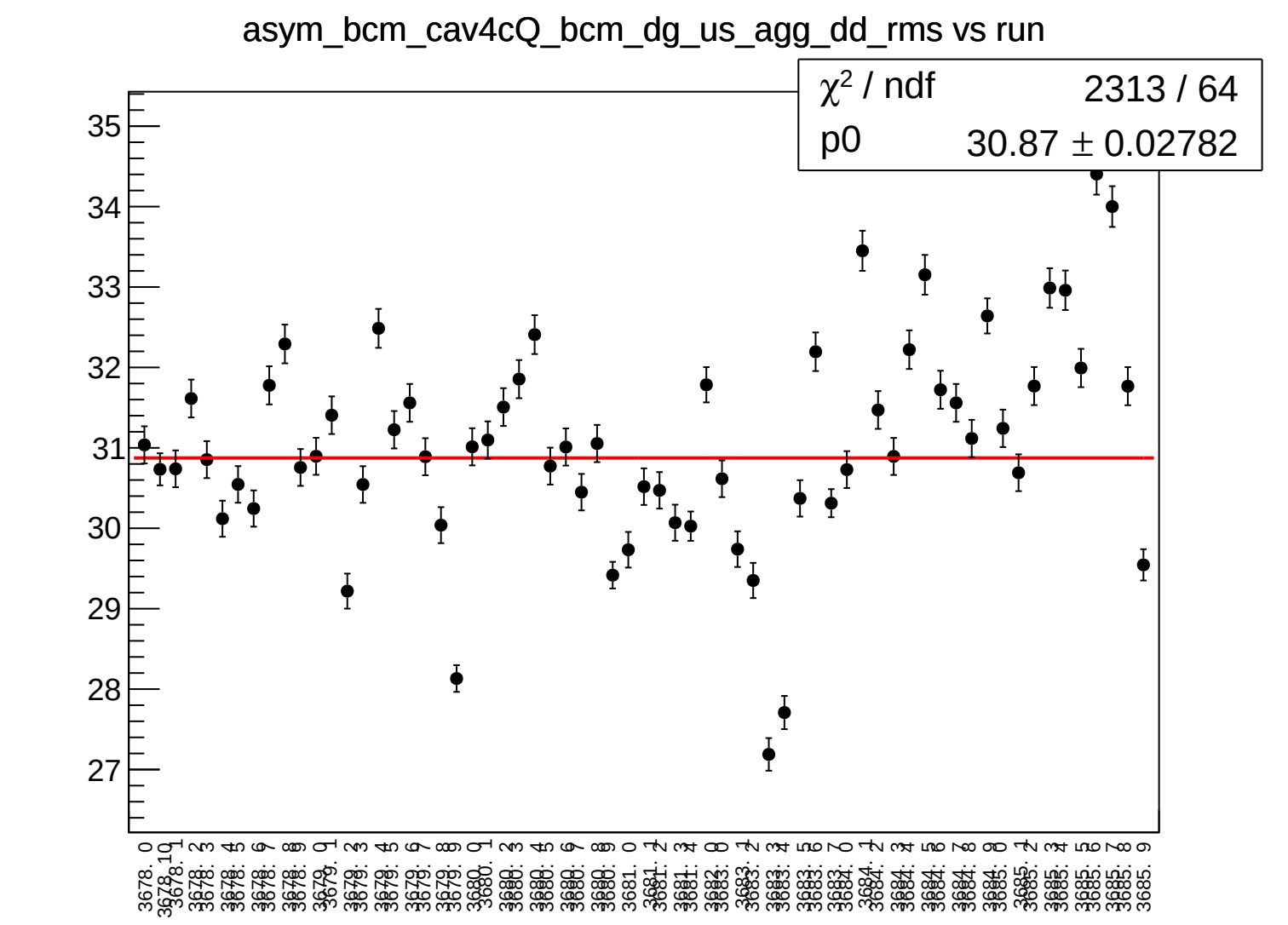

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 7.777 / 64
p0 94.3 ± 304.5
4000
2000
0
−2000
−4000
pull
Entries 65
Mean −129.5
Std Dev 131.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

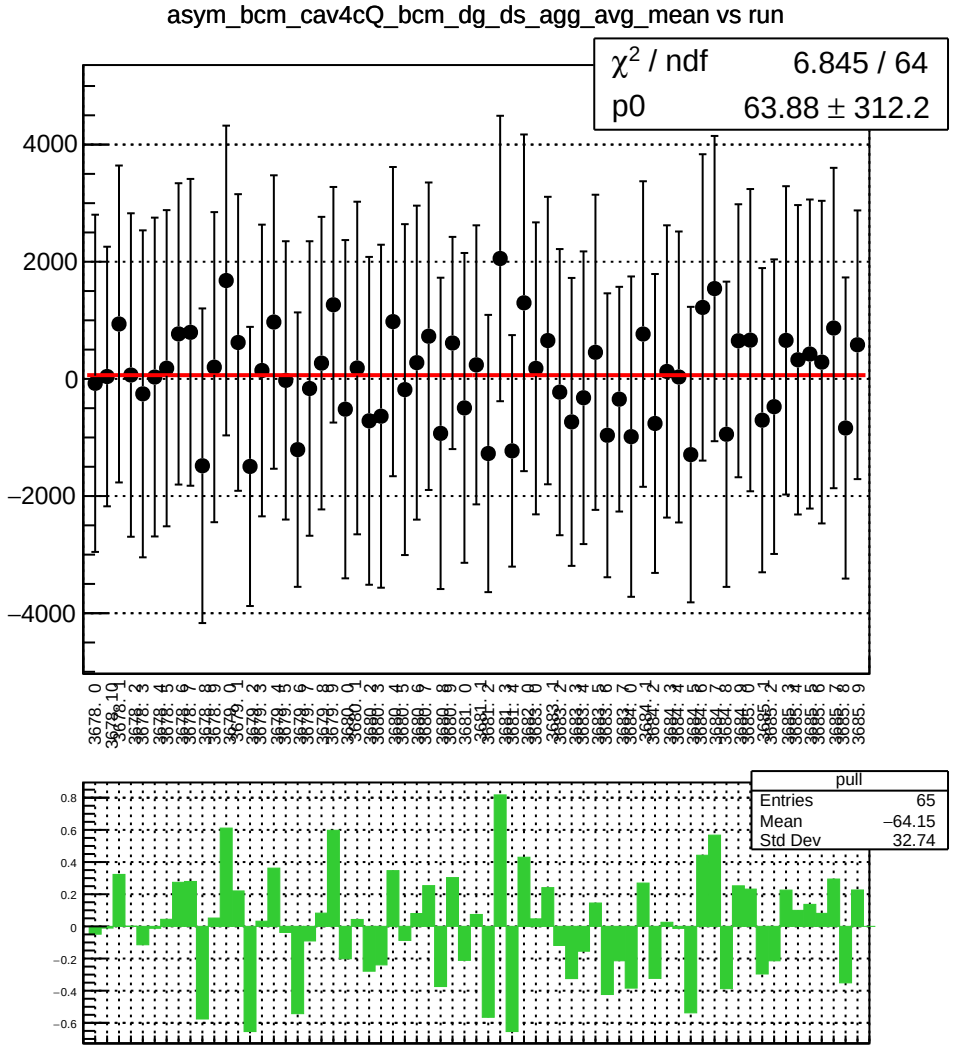

pull1D
Entries 65
Mean 0.001294
Std Dev 0.3459
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

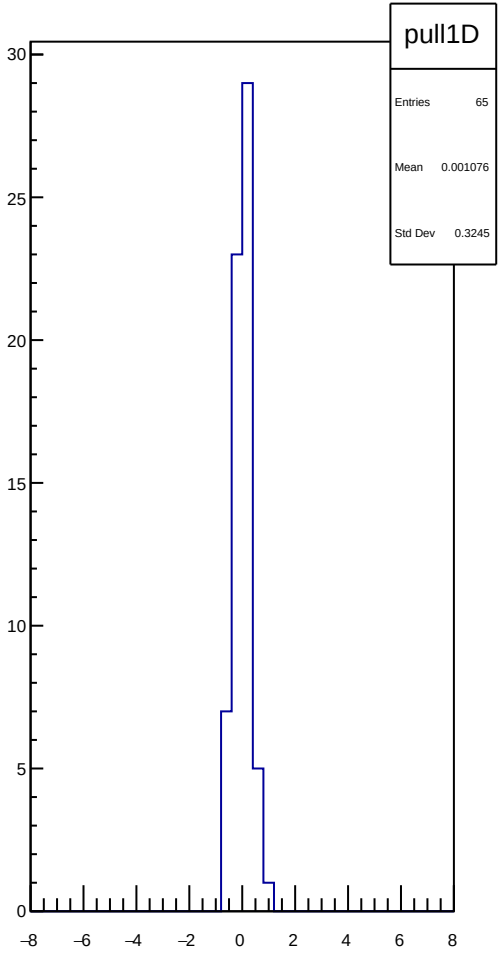

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 4064 / 64
p0 238.7 ± 0.2153
300
290
280
270
260
250
240
230
220
210

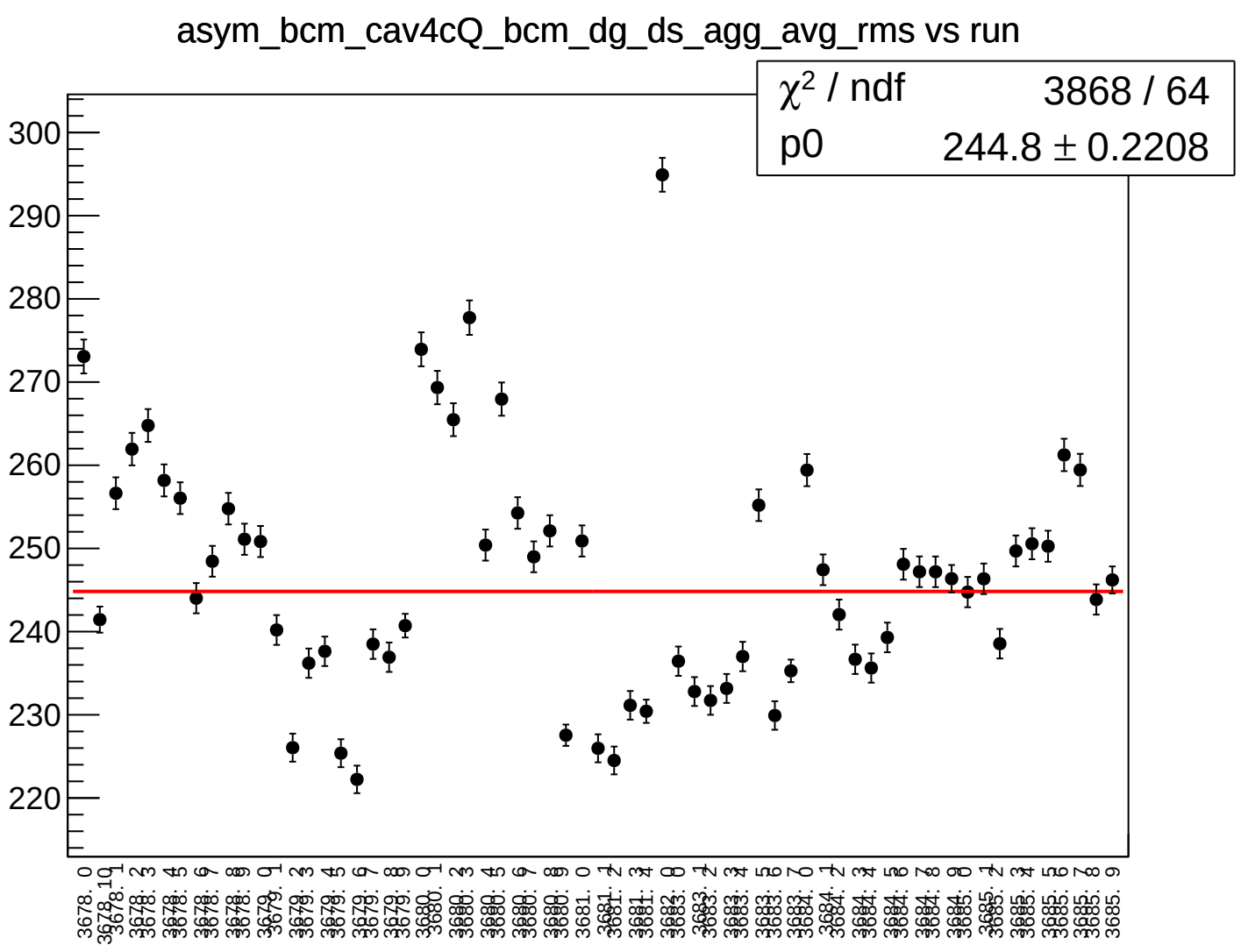

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 64.81 / 64
p0 −21.82 ± 39.35
1000
500
0
−500
−1000
pull
Entries 65
Mean 59.13
Std Dev 76.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

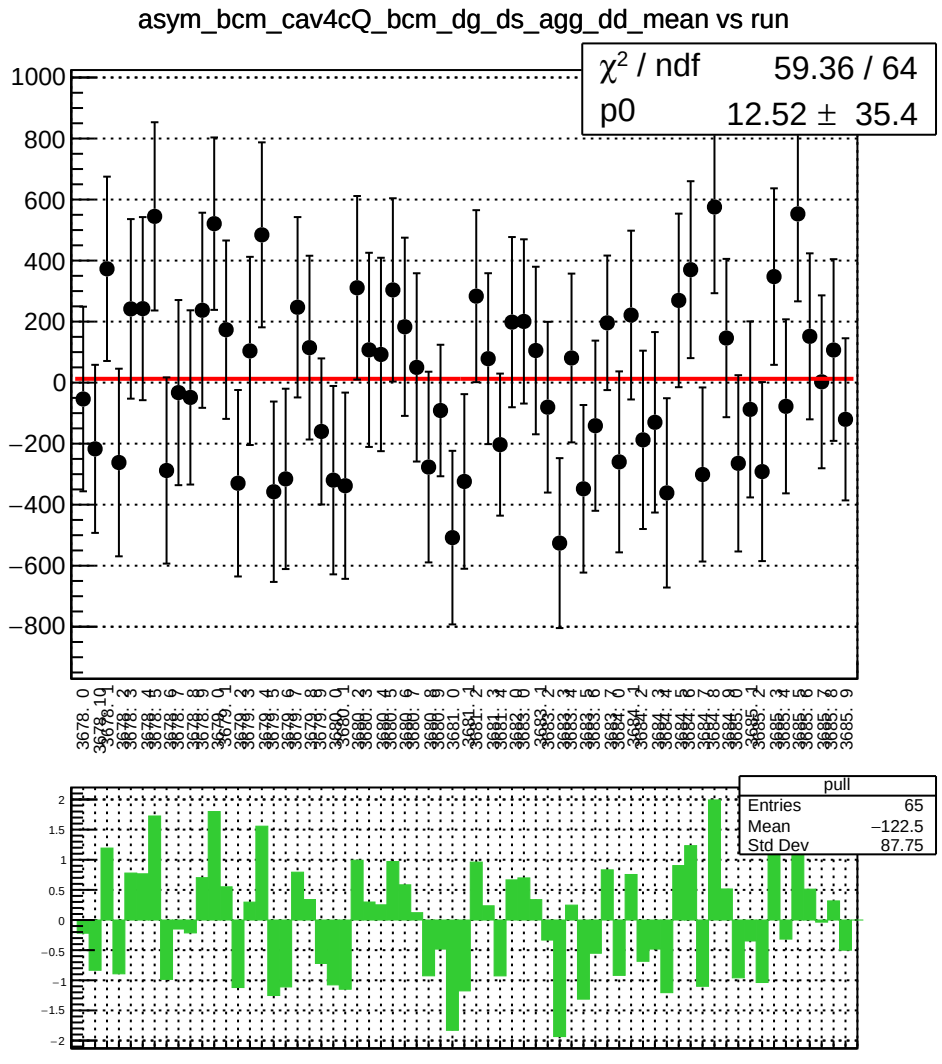

pull1D
Entries 65
Mean 0.006934
Std Dev 0.9985
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

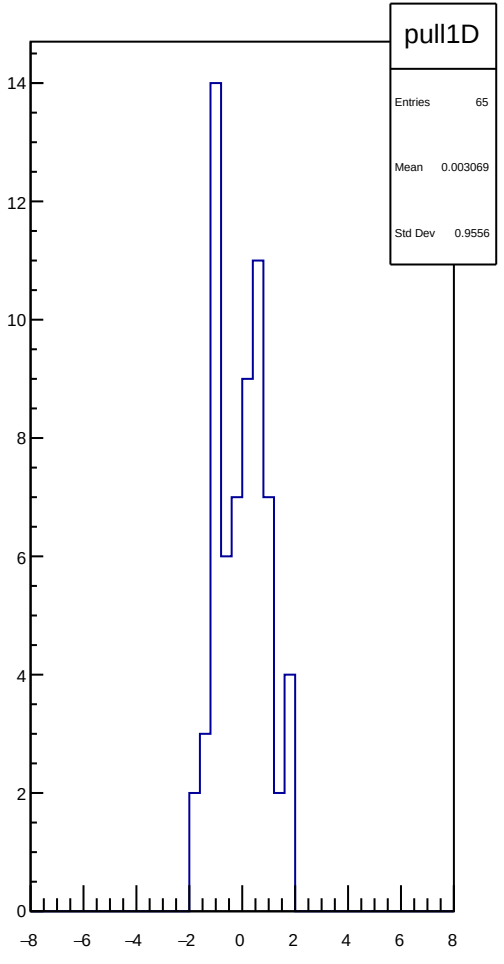

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 2313 / 64
p0 30.87 ± 0.02782
35
34
33
32
31
30
29
28
27

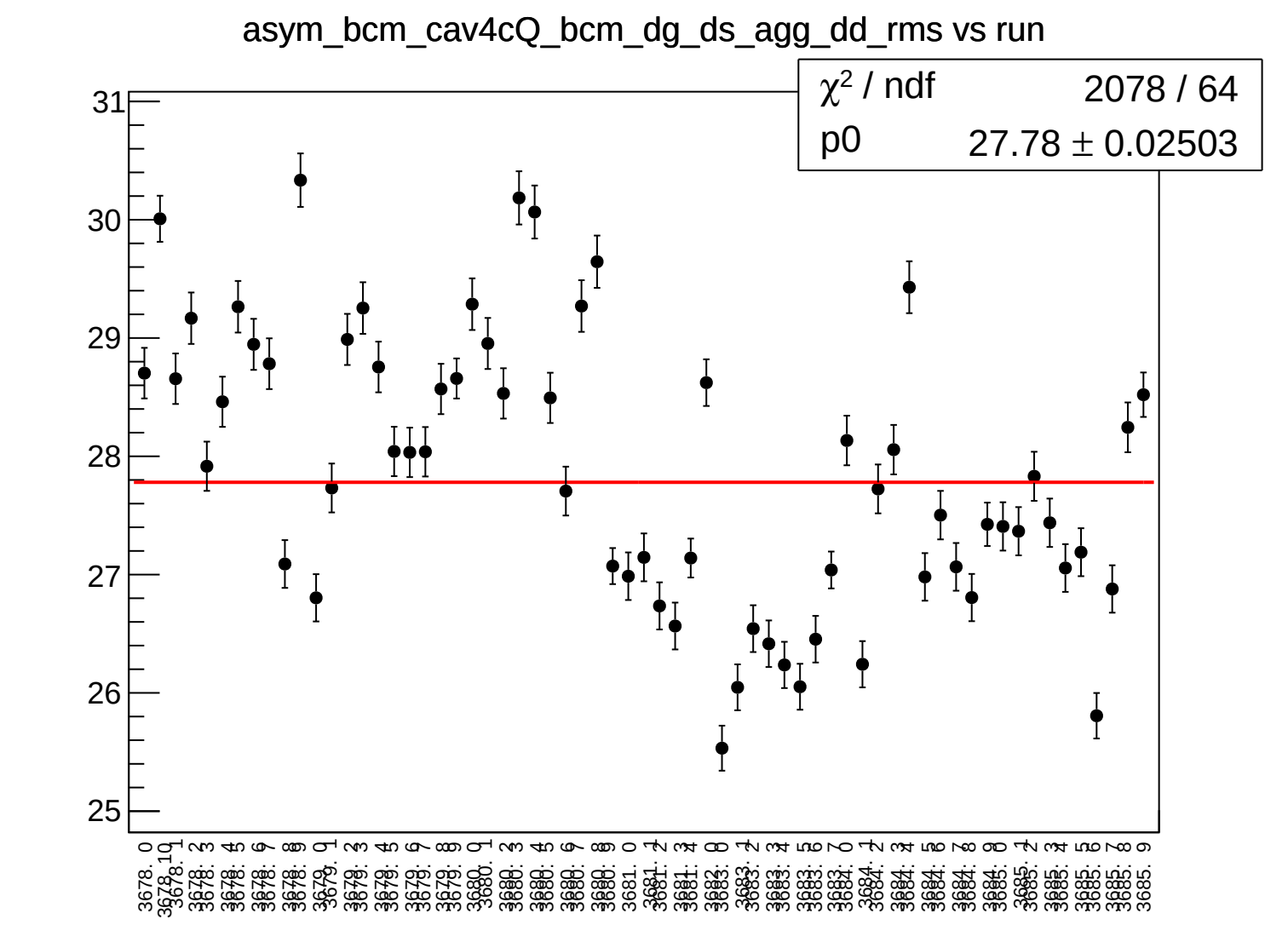

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 6.845 / 64
p0 63.88 ± 312.2
4000
2000
0
−2000
−4000
pull
Entries 65
Mean −64.15
Std Dev 32.74
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

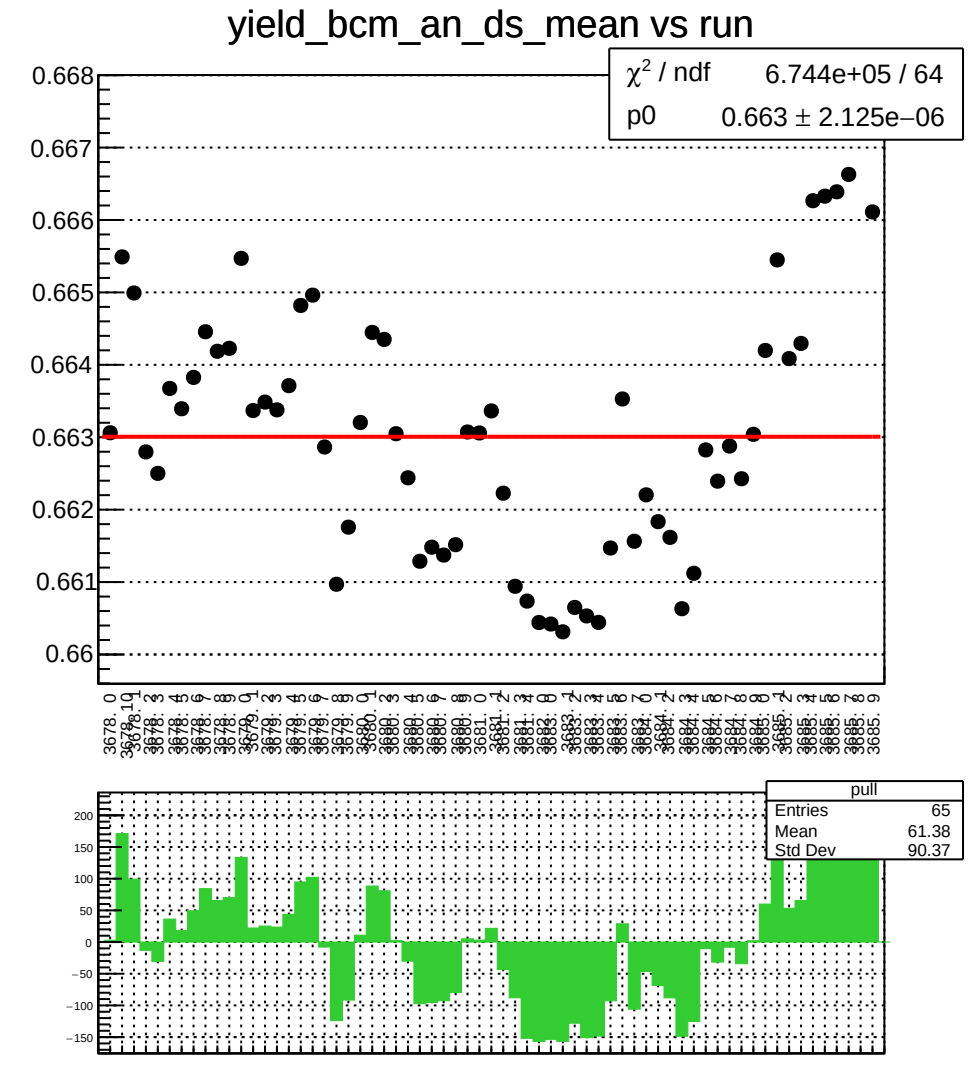

pull1D
Entries 65
Mean 0.001076
Std Dev 0.3245
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

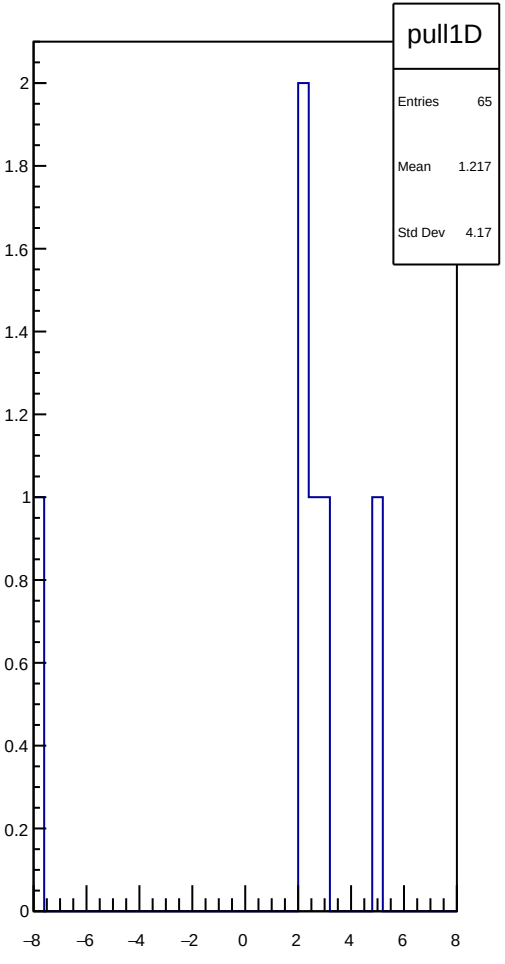

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3868 / 64
p0 244.8 ± 0.2208
300
290
280
270
260
250
240
230
220

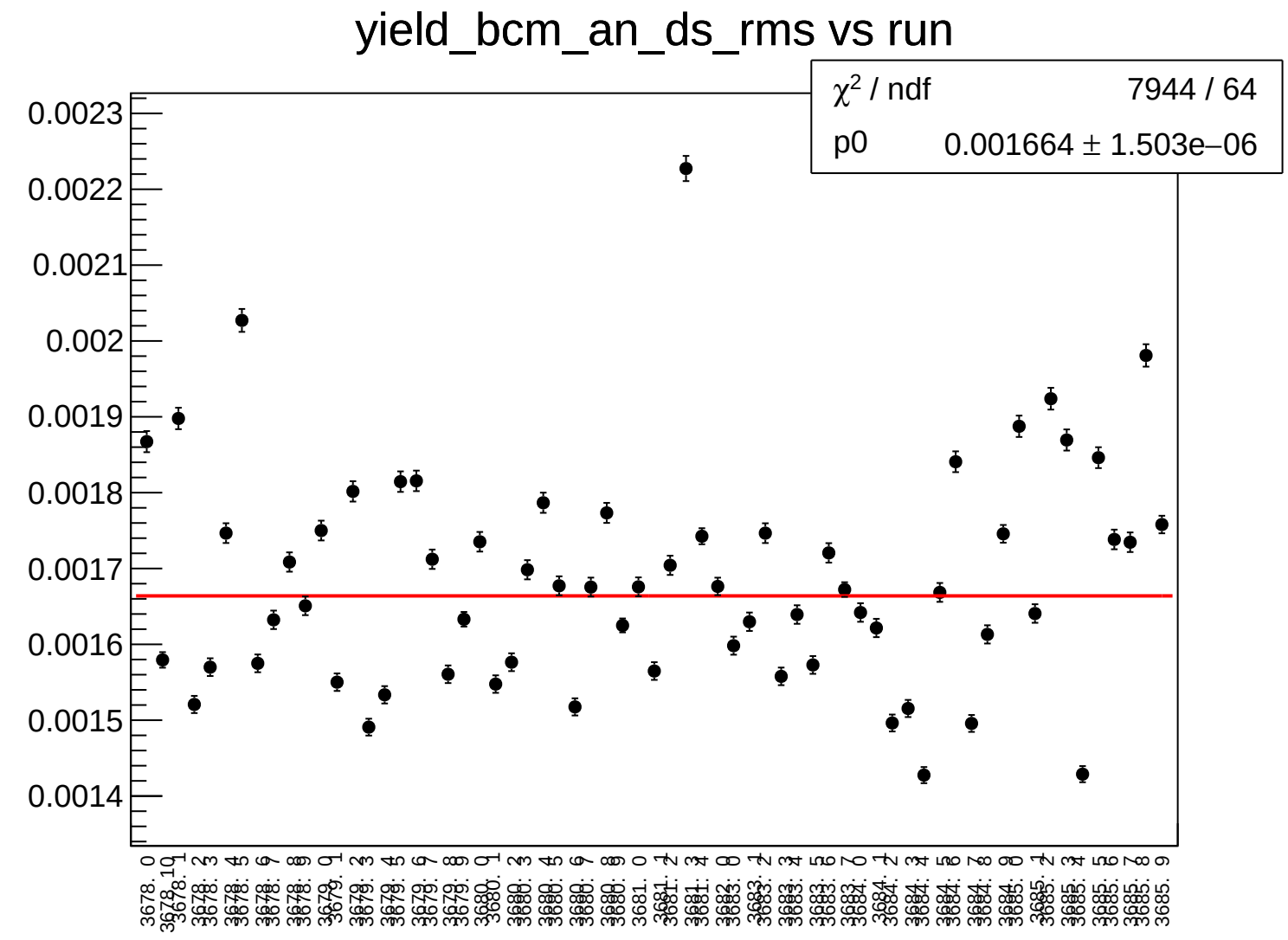

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 59.36 / 64
p0 12.52 ± 35.4
pull
Entries 65
Mean −122.5
Std Dev 87.75

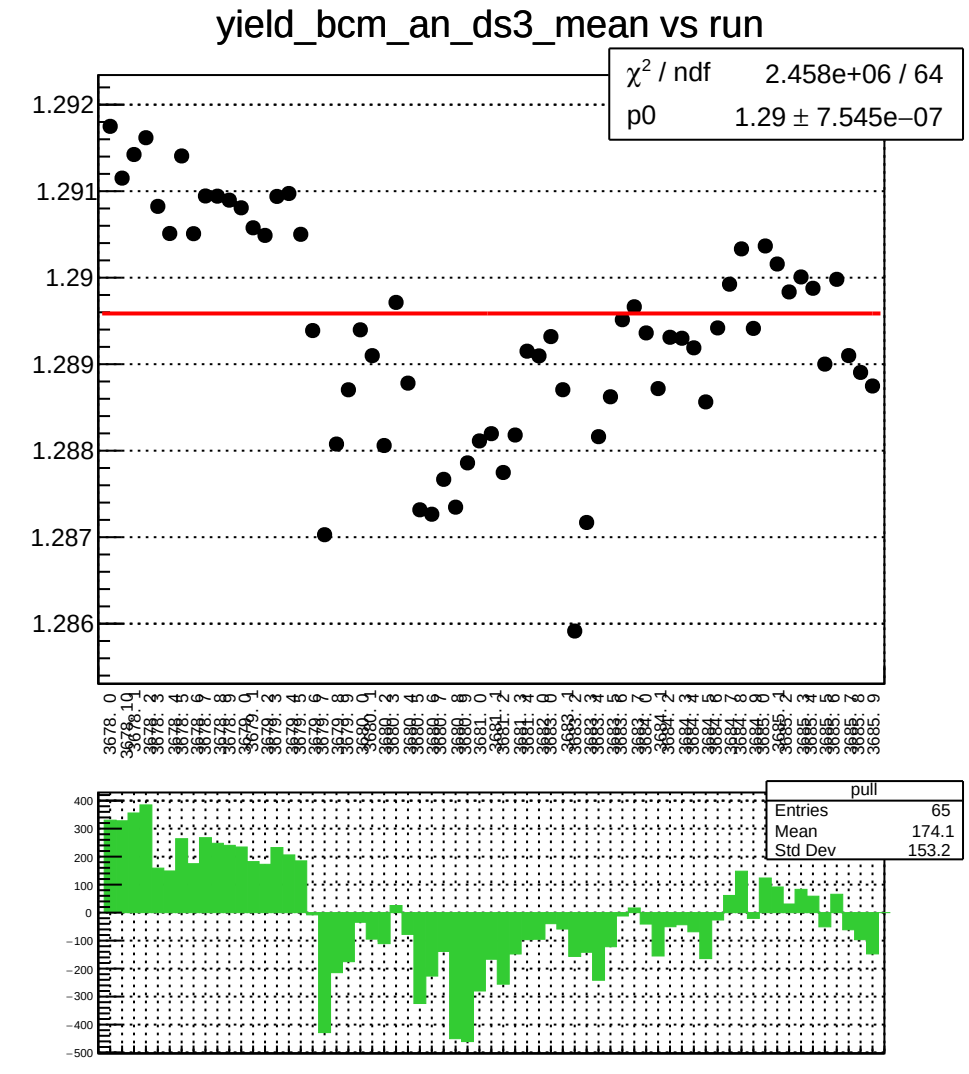

pull1D
Entries 65
Mean 0.003069
Std Dev 0.9556

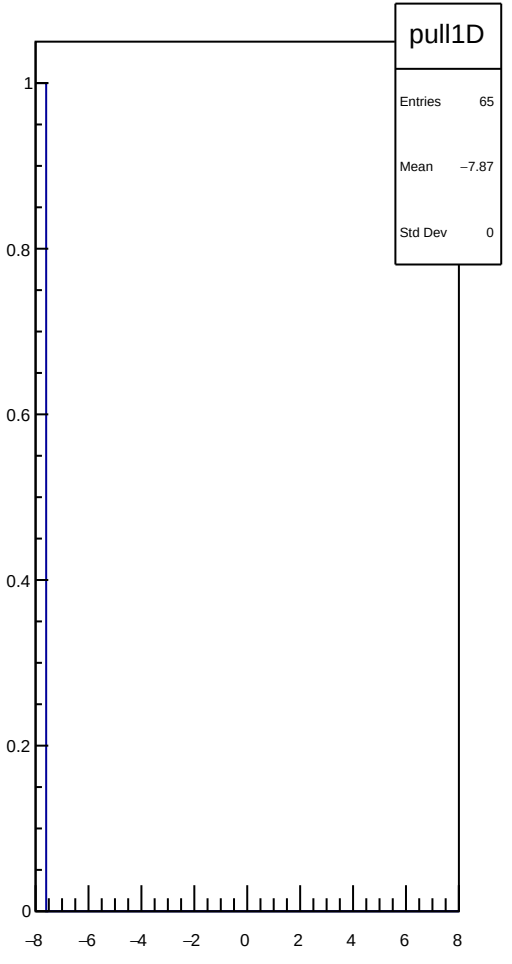

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2078 / 64
p0 27.78 ± 0.02503
31
30
29
28
27
26
25

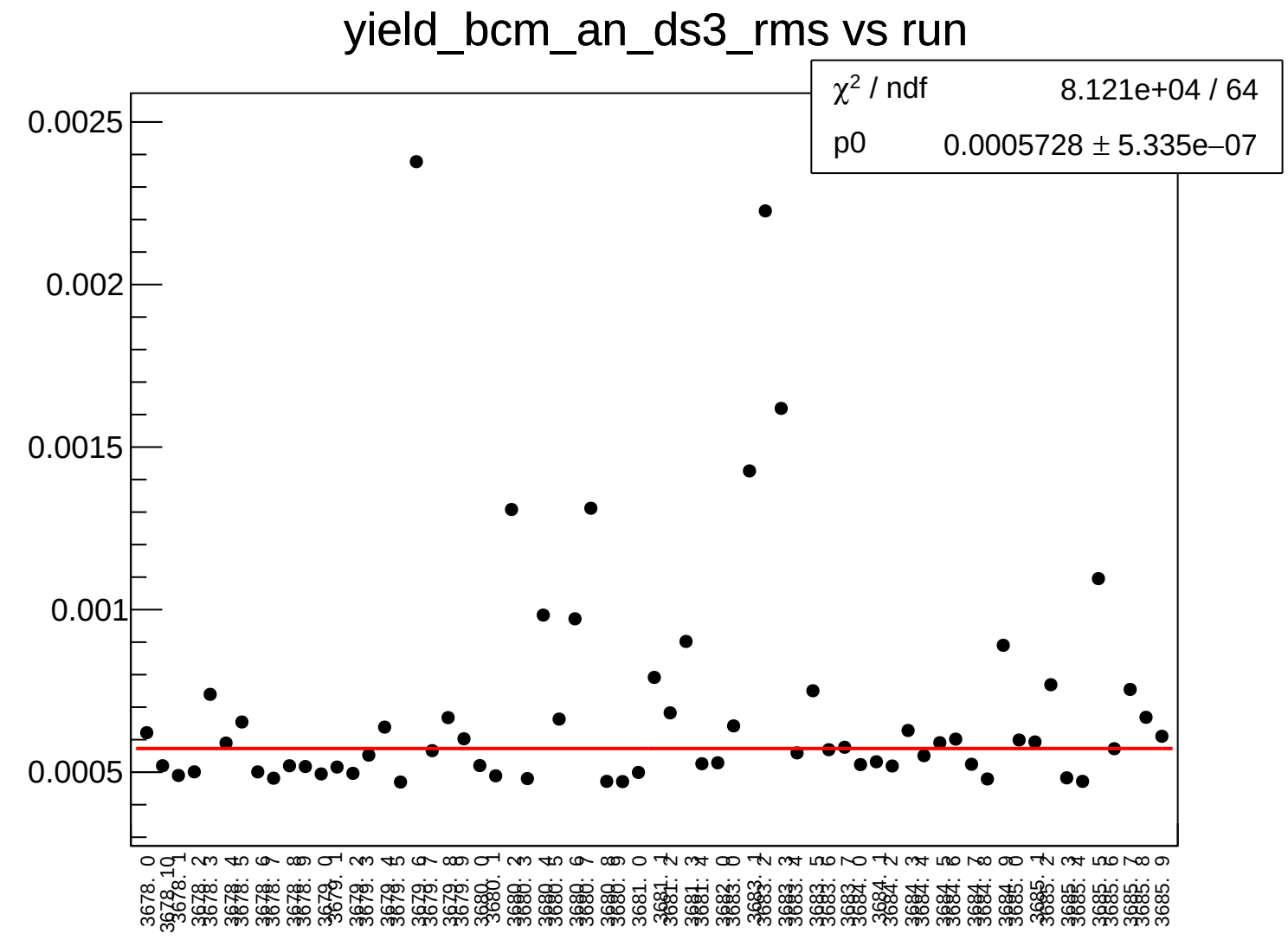

yield_bcm_an_ds_mean vs run
χ² / ndf 6.744e+05 / 64
p0 0.663 ± 2.125e−06
pull
Entries 65
Mean 61.38
Std Dev 90.37

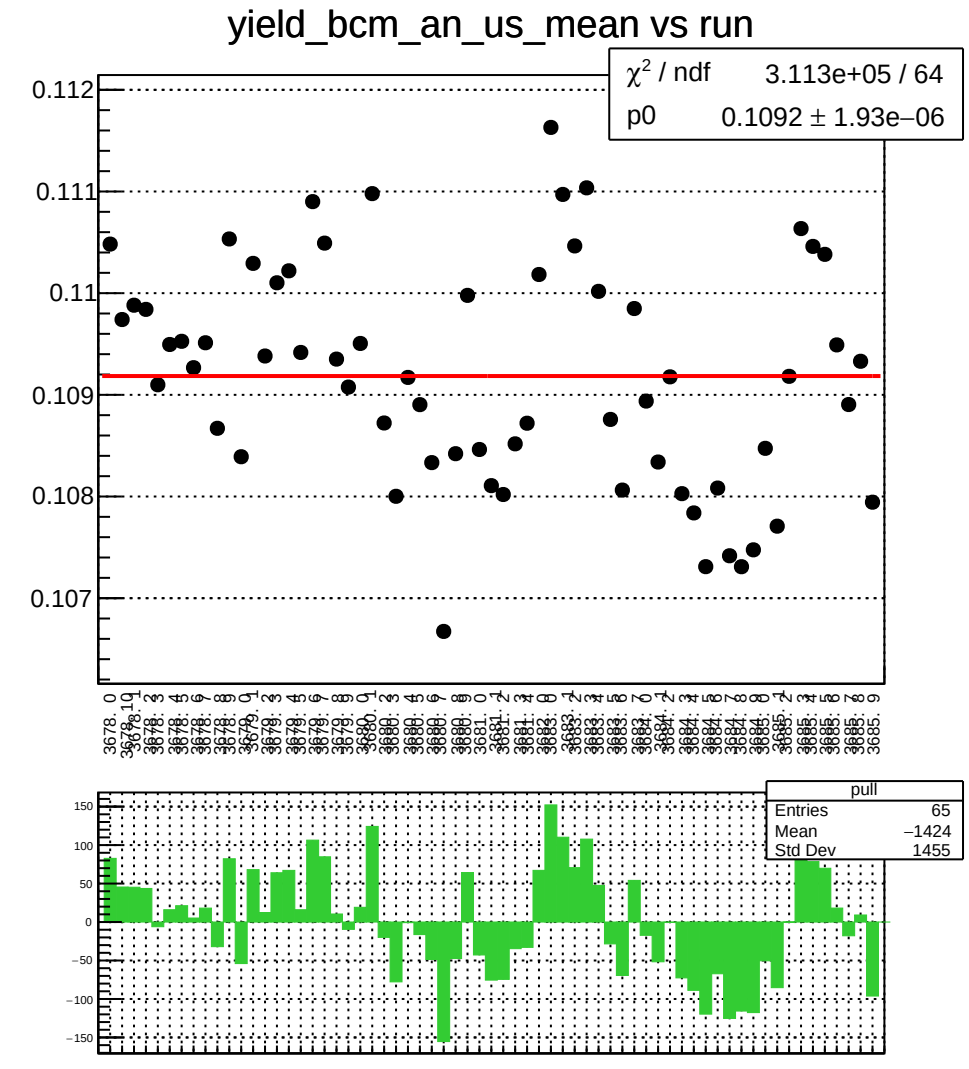

pull1D
Entries 65
Mean 1.217
Std Dev 4.17

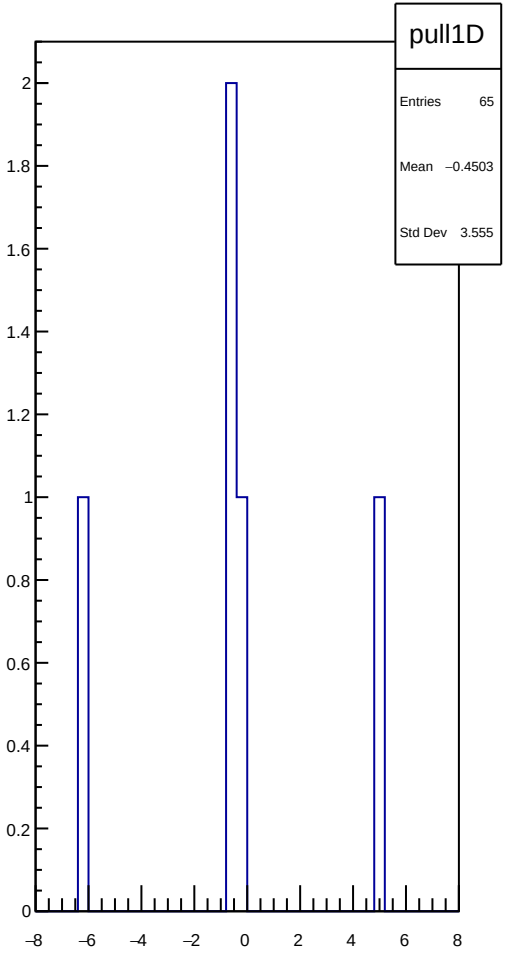

yield_bcm_an_ds_rms vs run
χ² / ndf 7944 / 64
p0 0.001664 ± 1.503e−06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
0.0015
0.0014

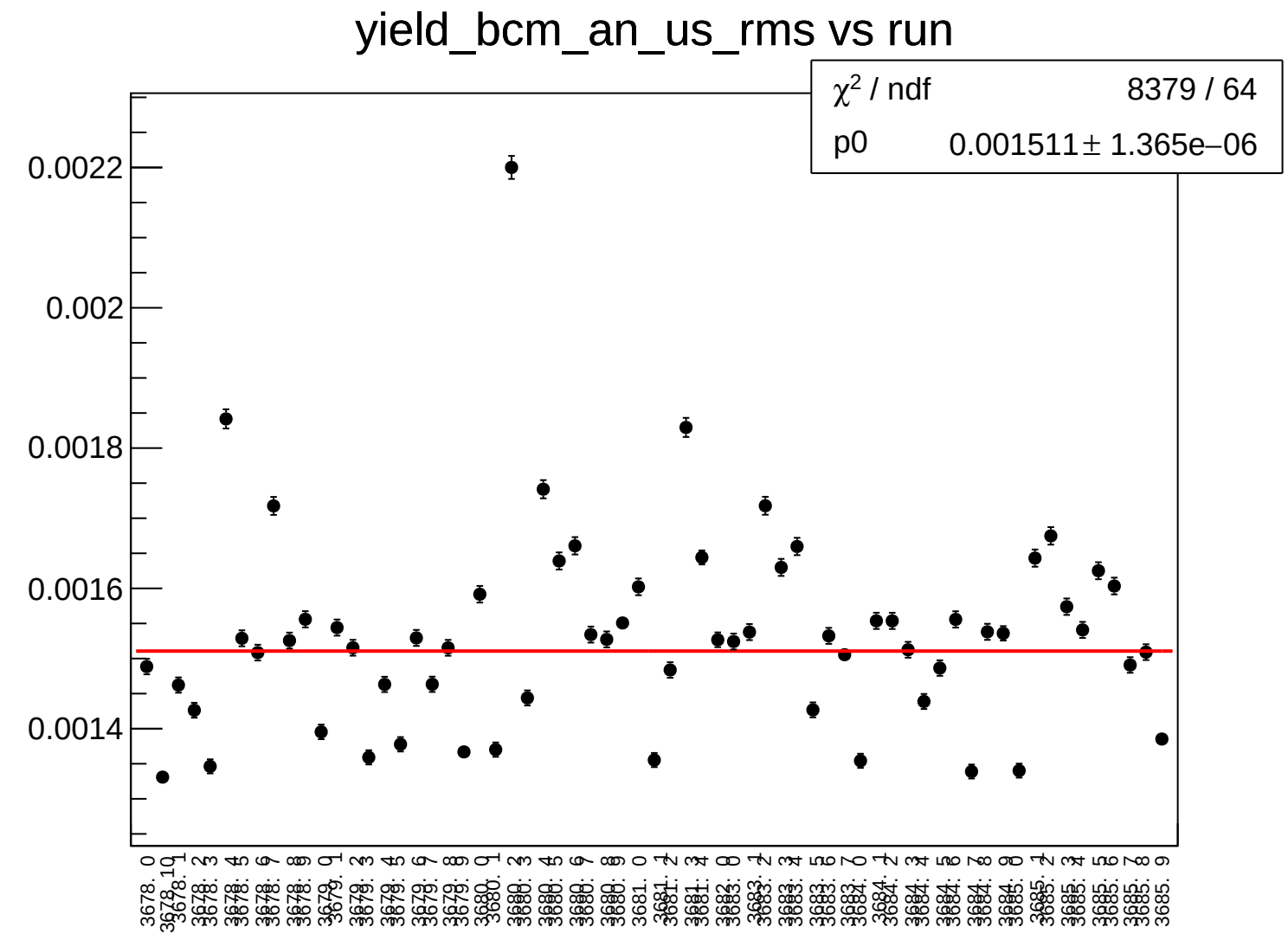

yield_bcm_an_ds3_mean vs run
χ² / ndf 2.458e+06 / 64
p0 1.29 ± 7.545e−07
1.292
1.291
1.29
1.289
1.288
1.287
1.286
pull
Entries 65
Mean 174.1
Std Dev 153.2
400
300
200
100
0
−100
−200
−300
−400
−500

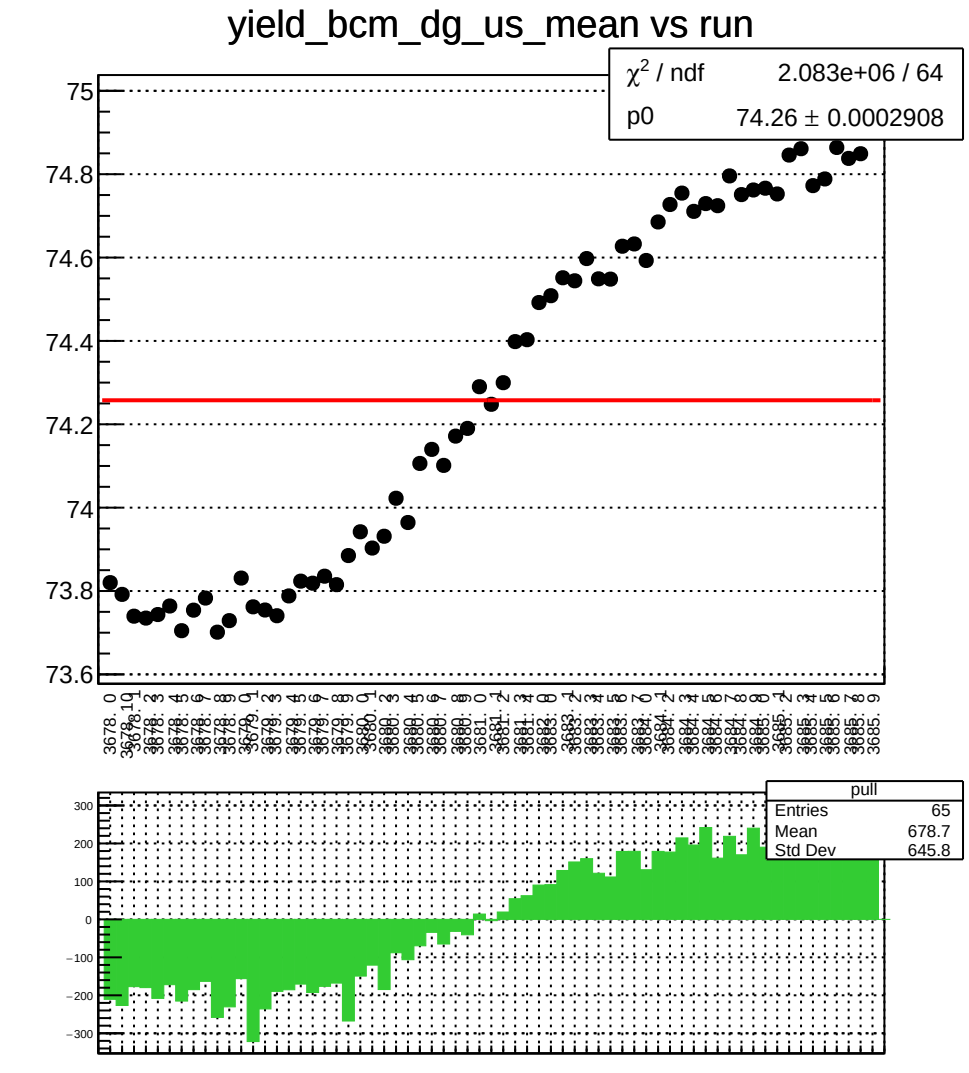

pull1D
Entries 65
Mean −7.87
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

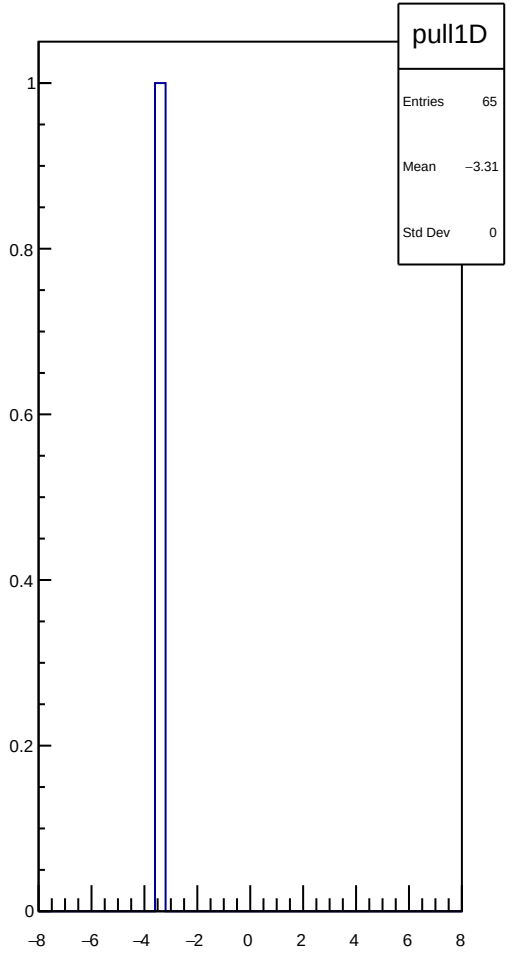

yield_bcm_an_ds3_rms vs run
χ² / ndf 8.121e+04 / 64
p0 0.0005728 ± 5.335e−07
0.0025
0.002
0.0015
0.001
0.0005

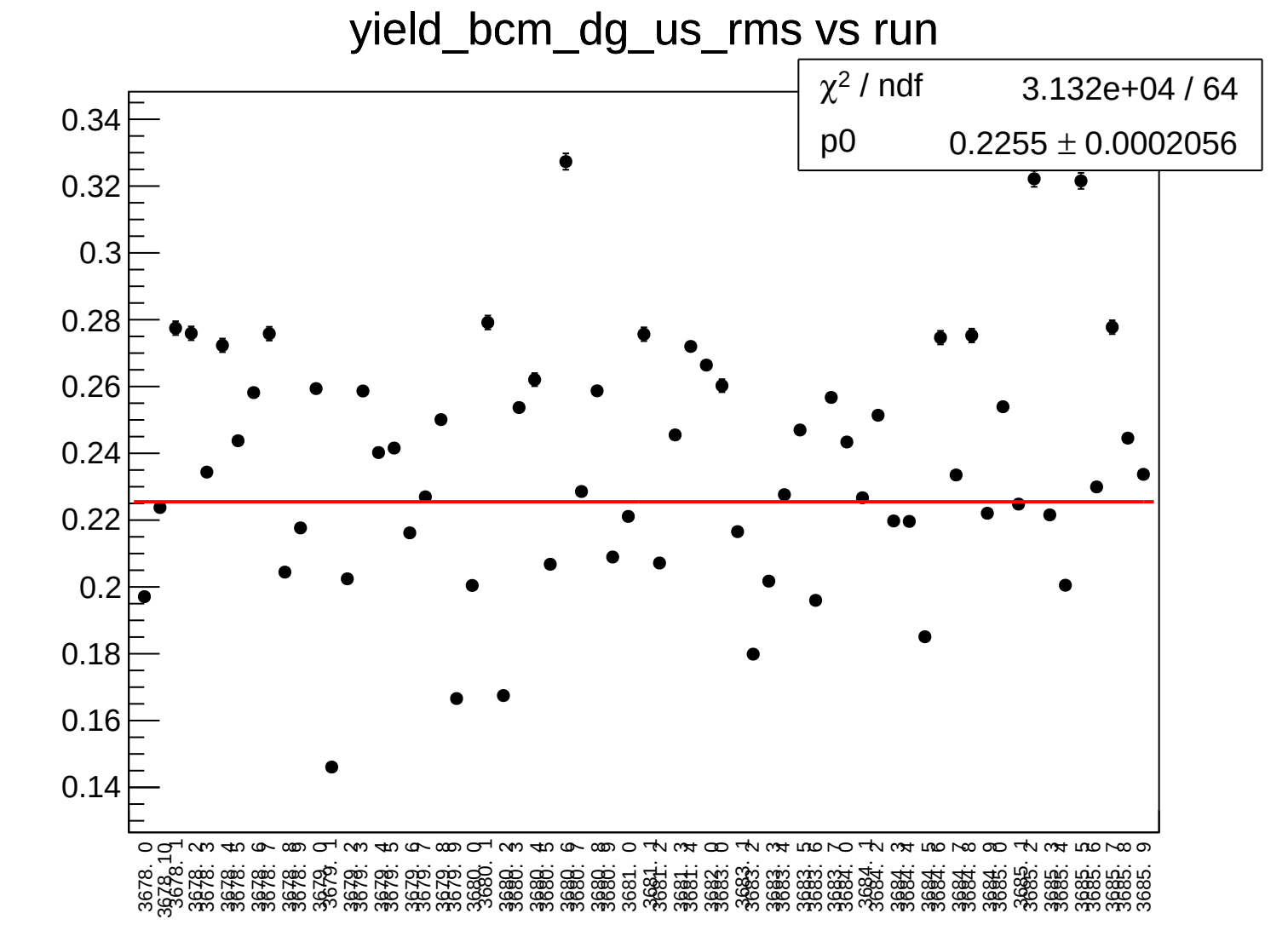

yield_bcm_an_us_mean vs run
χ² / ndf 3.113e+05 / 64
p0 0.1092 ± 1.93e−06
0.112
0.111
0.11
0.109
0.108
0.107
pull
Entries 65
Mean −1424
Std Dev 1455
150
100
50
0
−50
−100
−150

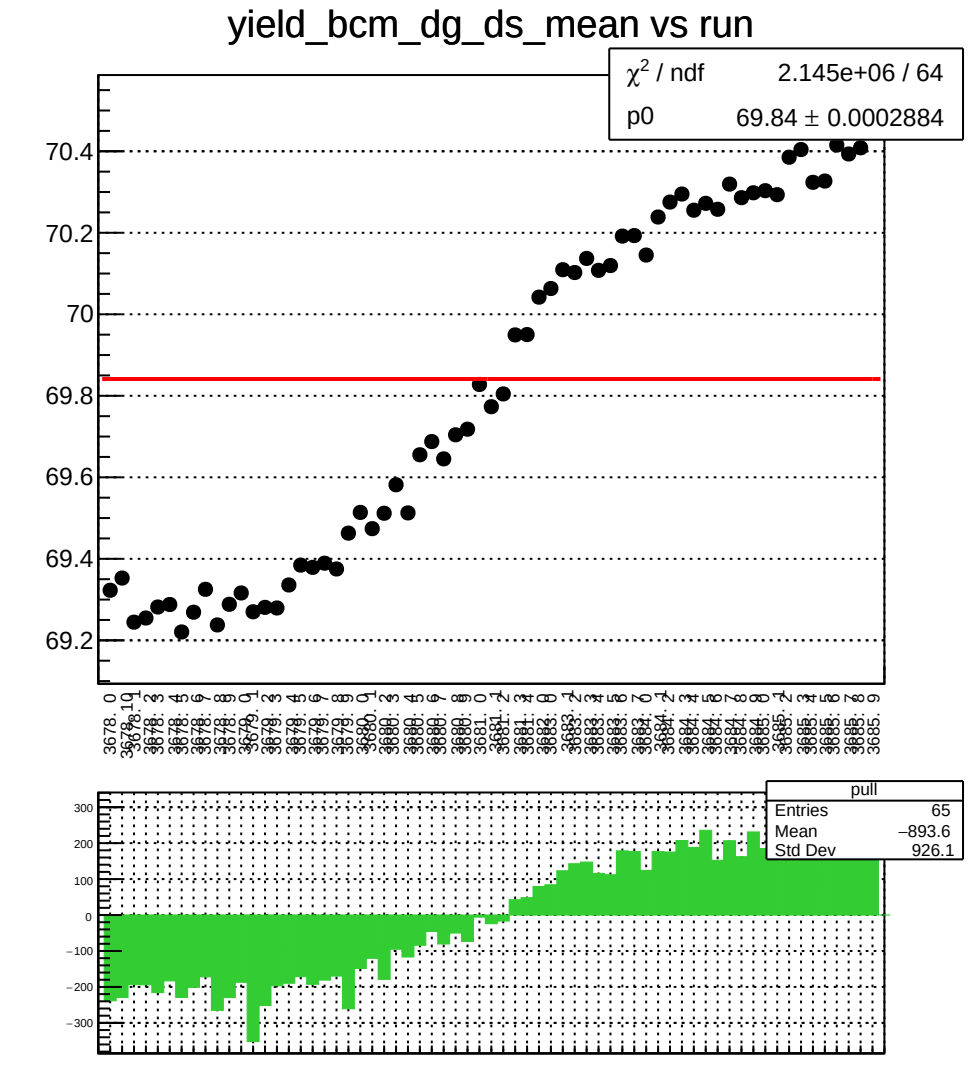

pull1D
Entries 65
Mean −0.4503
Std Dev 3.555
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

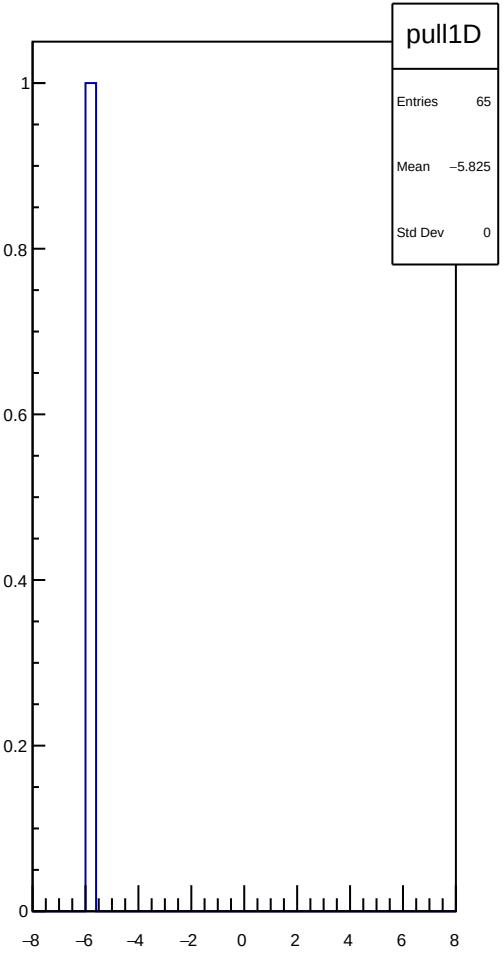

yield_bcm_an_us_rms vs run
χ² / ndf 8379 / 64
p0 0.001511 ± 1.365e−06
0.0022
0.002
0.0018
0.0016
0.0014

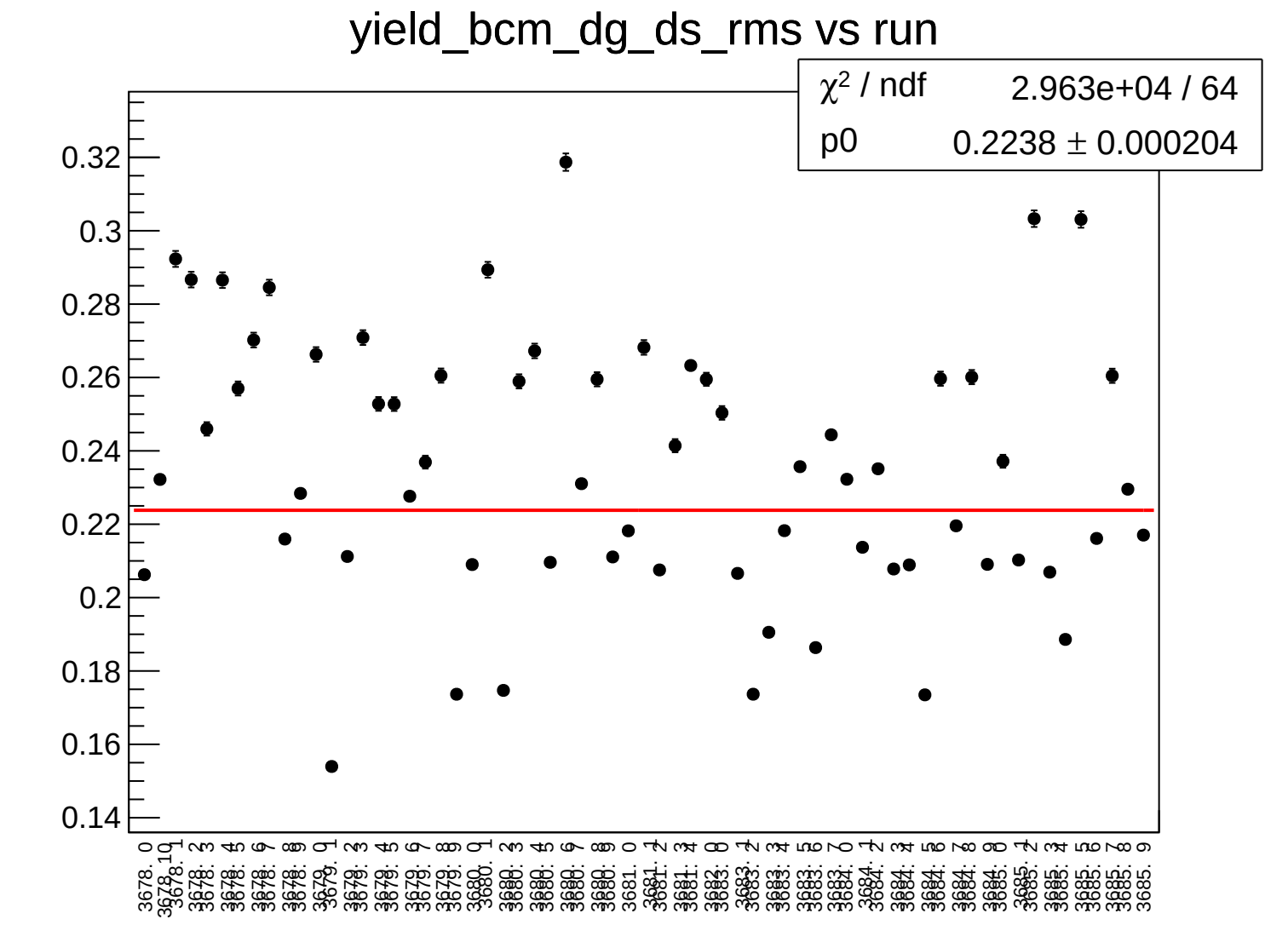

yield_bcm_dg_us_mean vs run
χ² / ndf 2.083e+06 / 64
p0 74.26 ± 0.0002908
pull
Entries 65
Mean 678.7
Std Dev 645.8

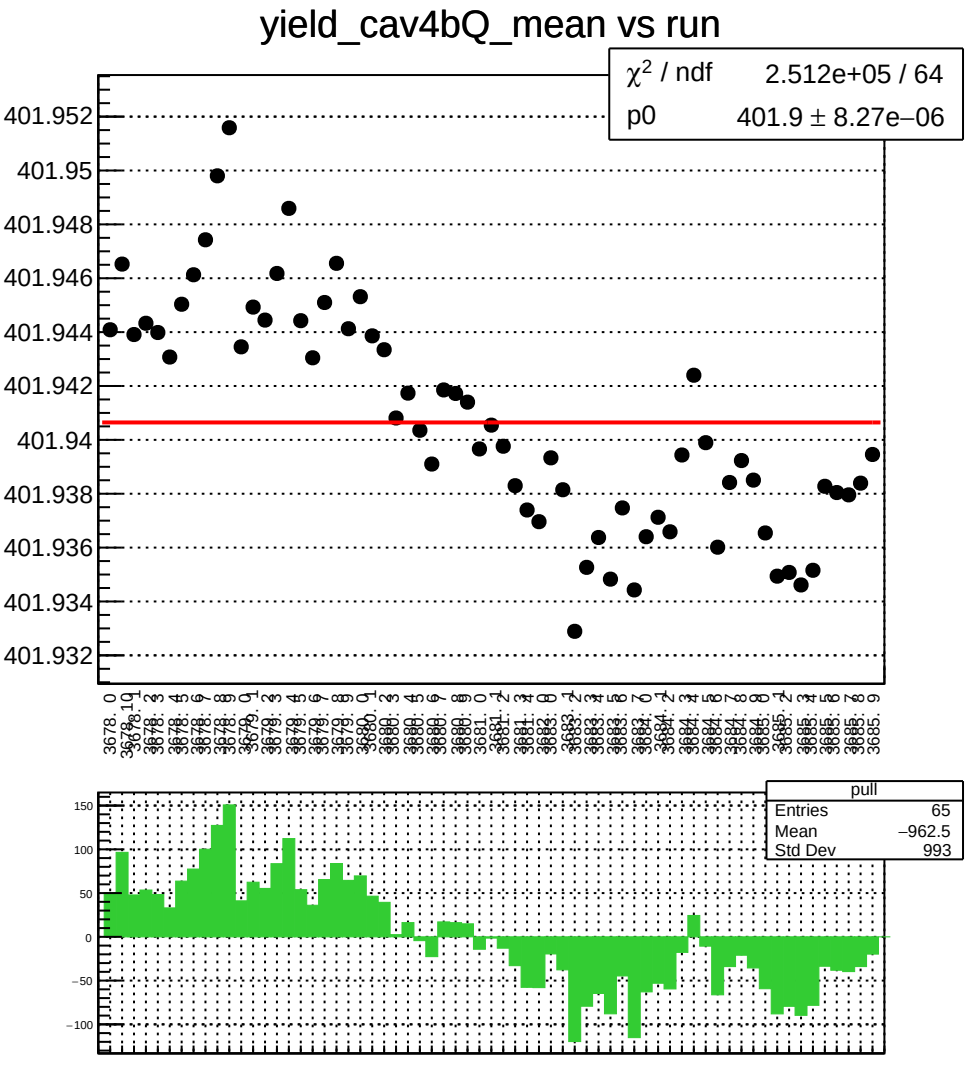

pull1D
Entries 65
Mean −3.31
Std Dev 0

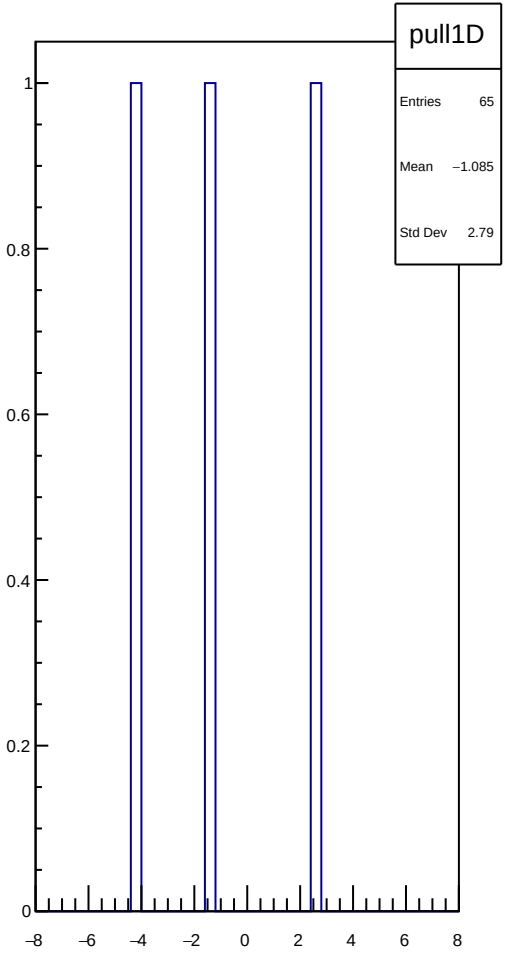

yield_bcm_dg_us_rms vs run
χ² / ndf 3.132e+04 / 64
p0 0.2255 ± 0.0002056
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14

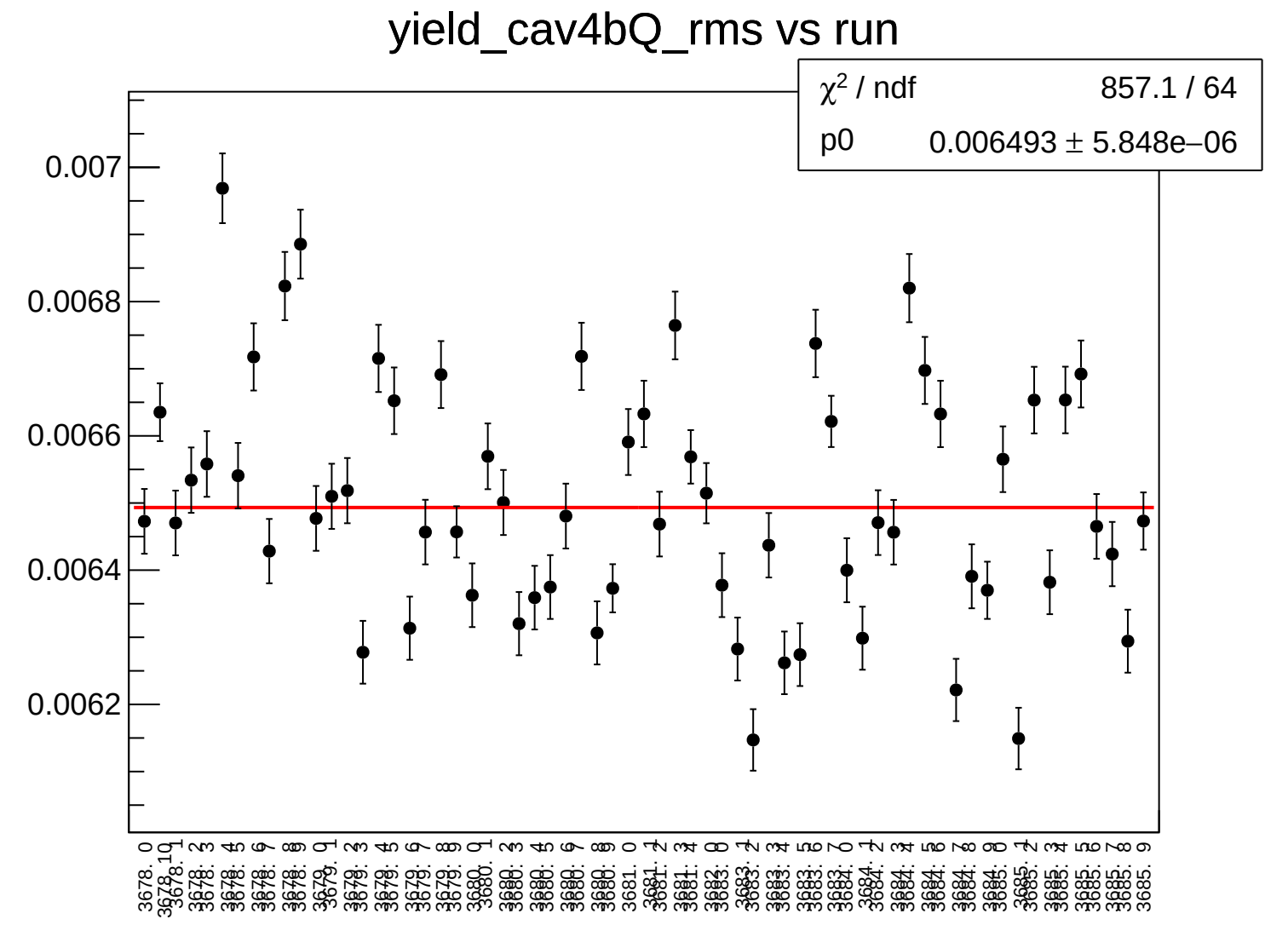

yield_bcm_dg_ds_mean vs run
χ² / ndf 2.145e+06 / 64
p0 69.84 ± 0.0002884
70.4
70.2
70
69.8
69.6
69.4
69.2
pull
Entries 65
Mean −893.6
Std Dev 926.1
300
200
100
0
−100
−200
−300

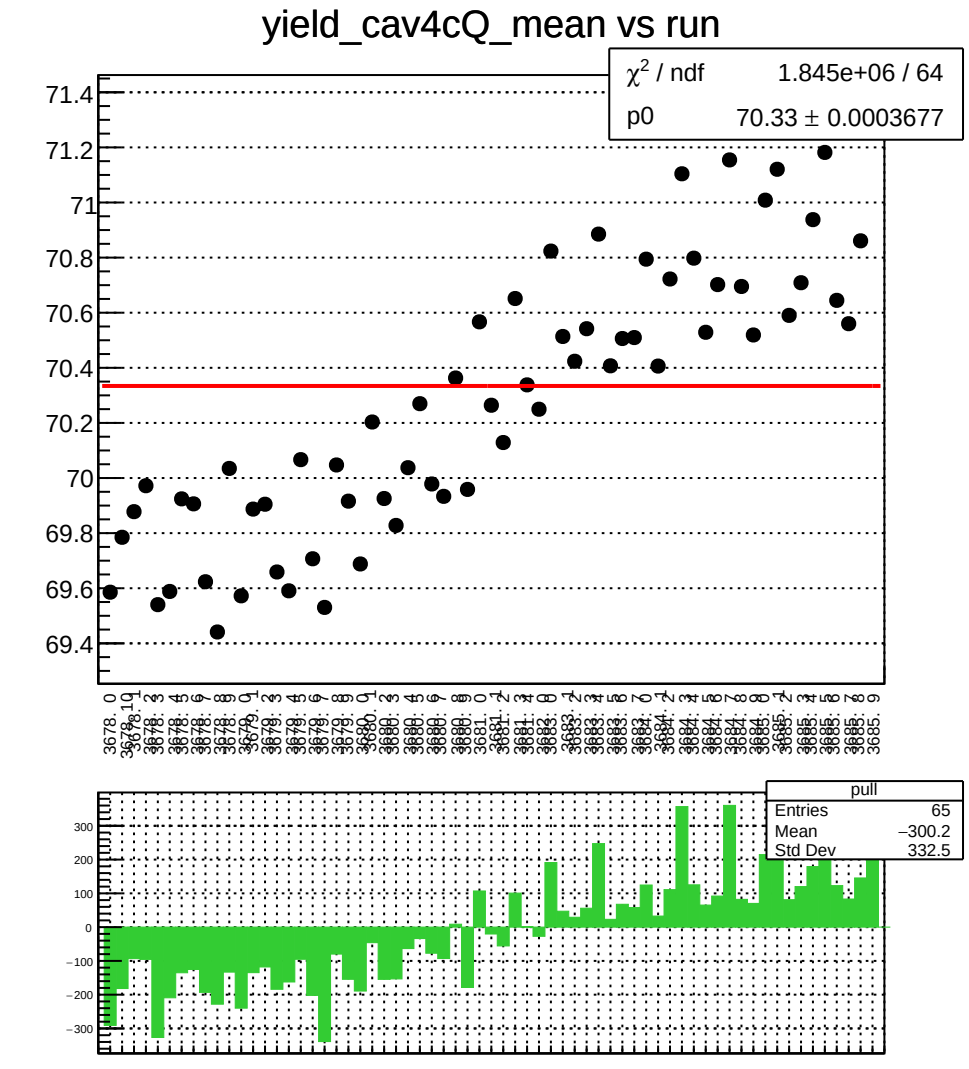

pull1D
Entries 65
Mean −5.825
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

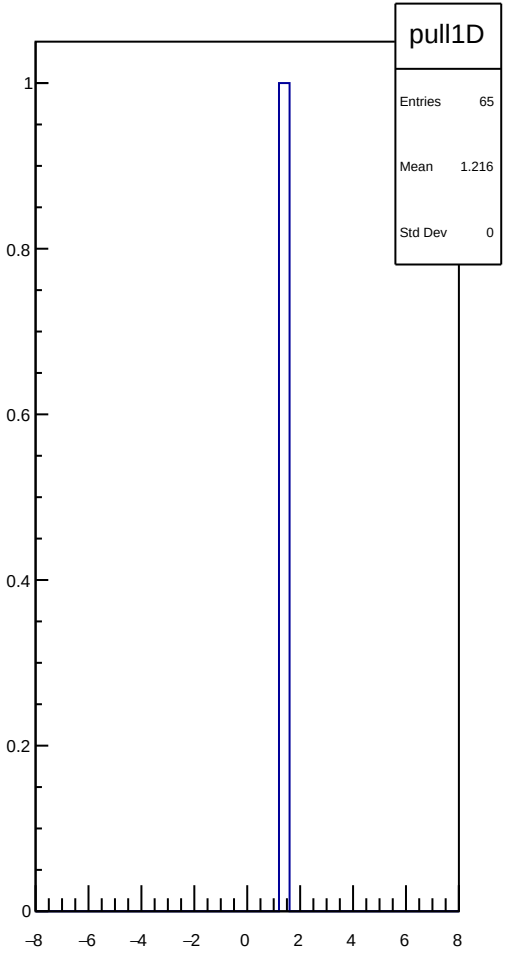

yield_bcm_dg_ds_rms vs run
χ² / ndf 2.963e+04 / 64
p0 0.2238 ± 0.000204
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14

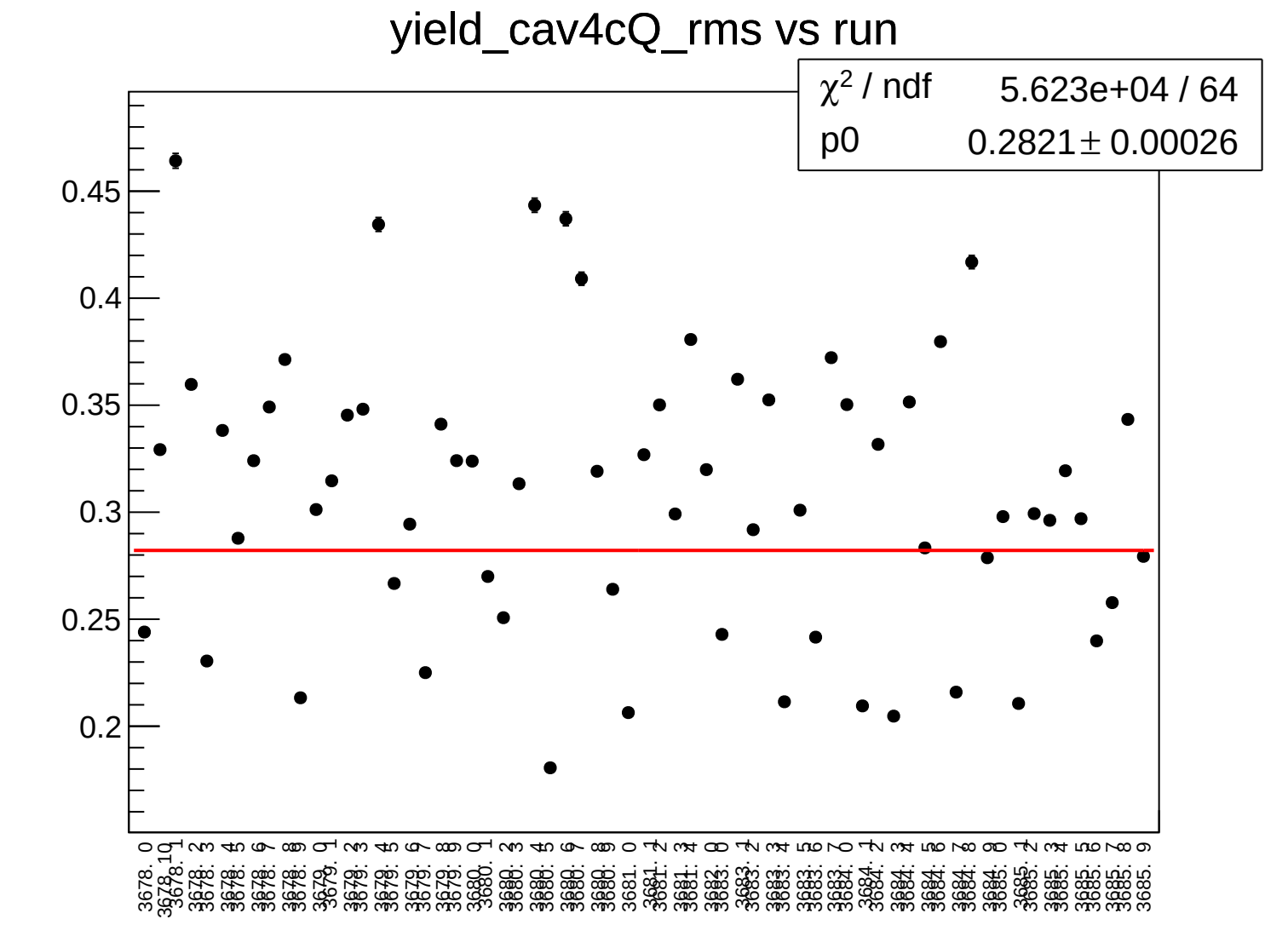

yield_cav4bQ_mean vs run
χ² / ndf 2.512e+05 / 64
p0 401.9 ± 8.27e−06
401.952
401.95
401.948
401.946
401.944
401.942
401.94
401.938
401.936
401.934
401.932
pull
Entries 65
Mean −962.5
Std Dev 993
150
100
50
0
−50
−100

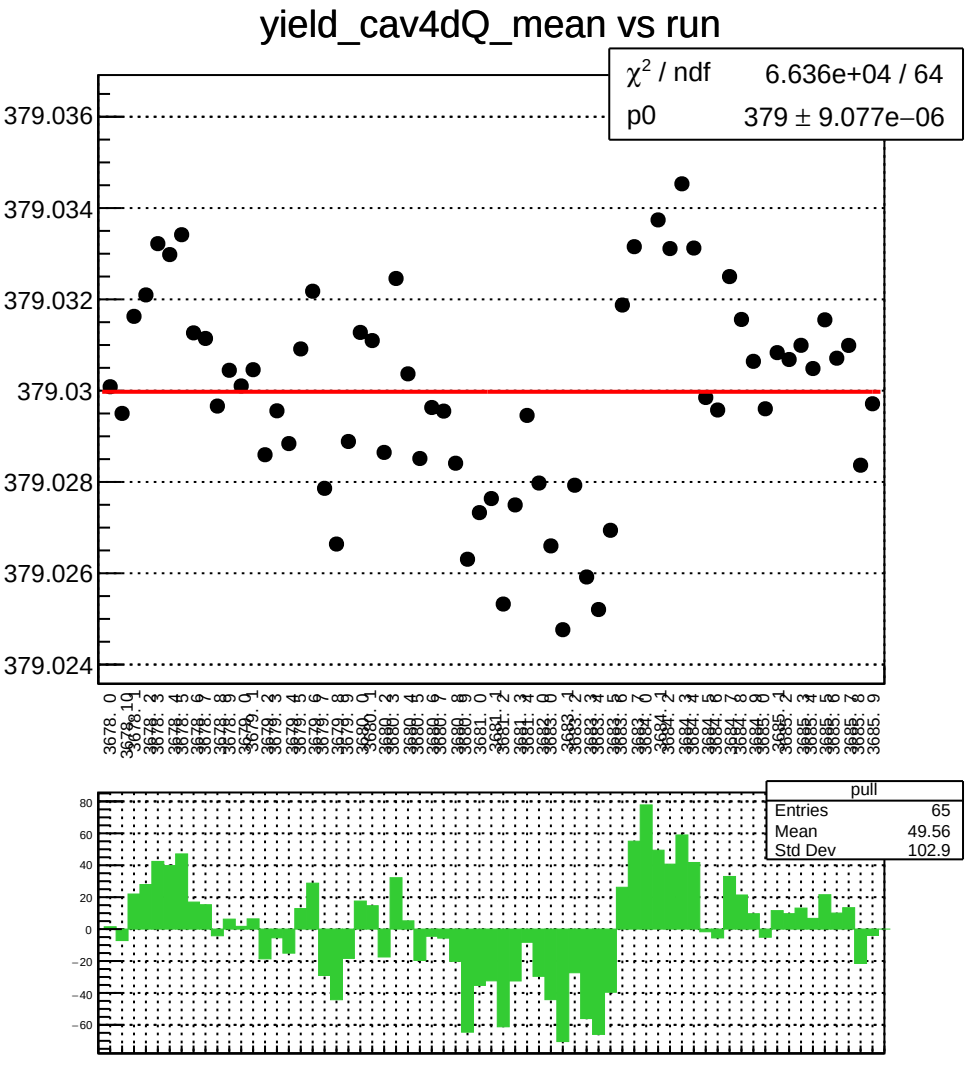

pull1D
Entries 65
Mean −1.085
Std Dev 2.79
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

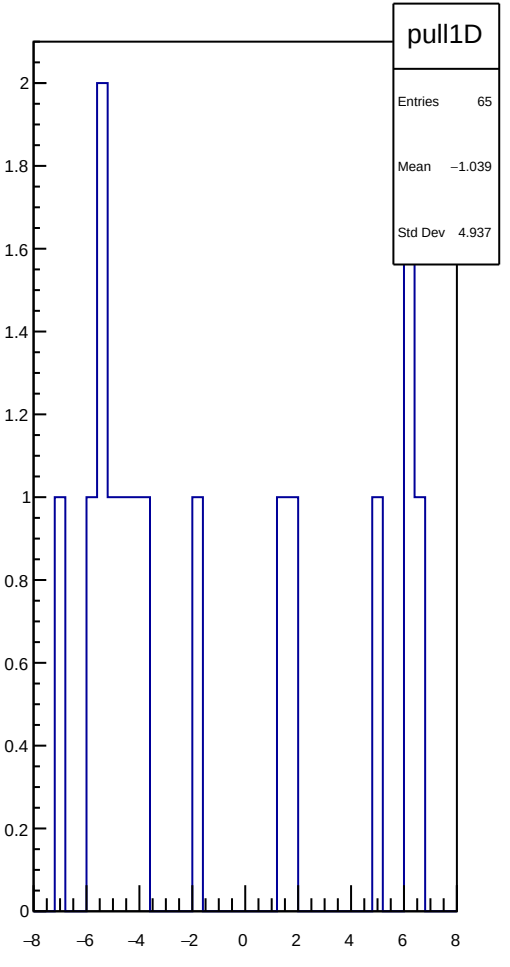

yield_cav4bQ_rms vs run
χ² / ndf 857.1 / 64
p0 0.006493 ± 5.848e−06
0.007
0.0068
0.0066
0.0064
0.0062

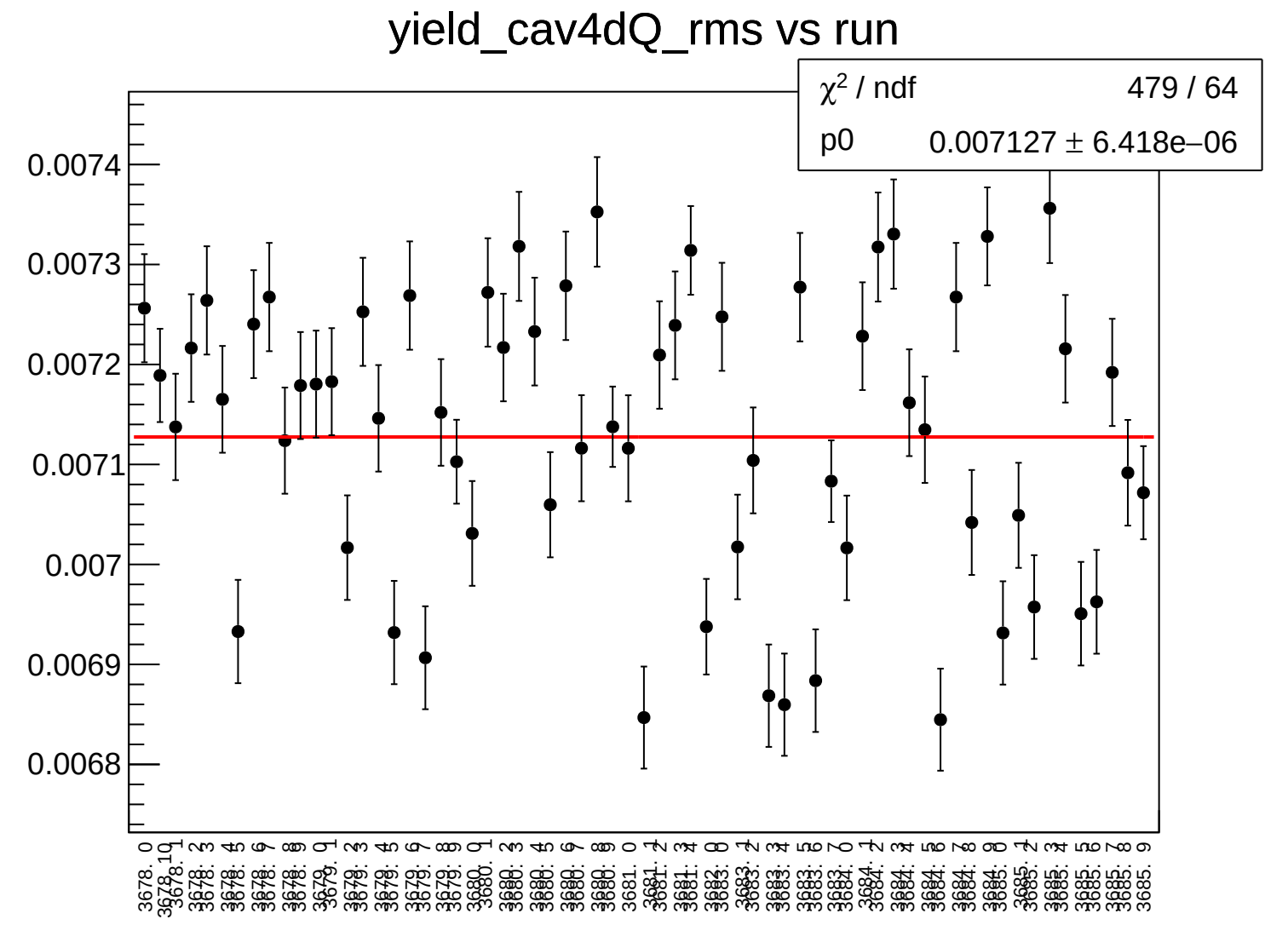

yield_cav4cQ_mean vs run
χ² / ndf 1.845e+06 / 64
p0 70.33 ± 0.0003677
pull
Entries 65
Mean −300.2
Std Dev 332.5

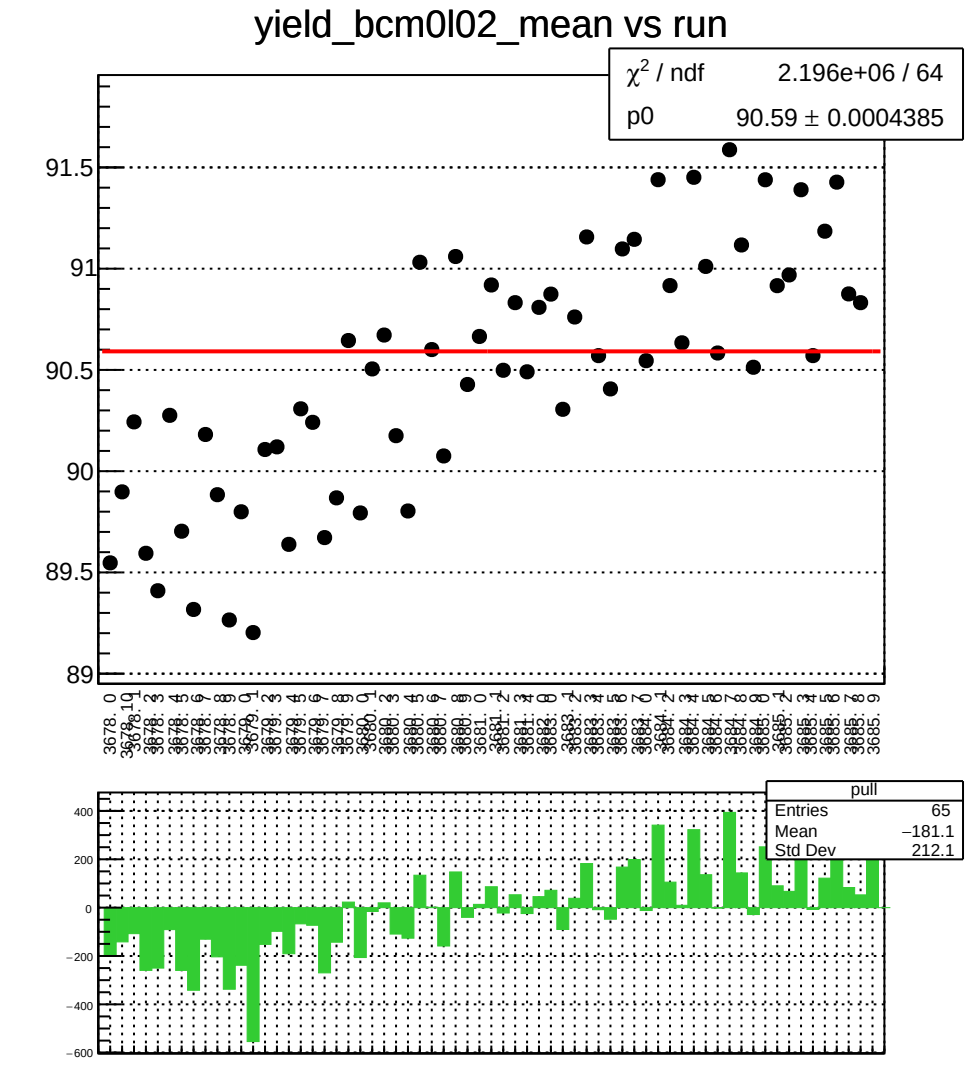

pull1D
Entries 65
Mean 1.216
Std Dev 0

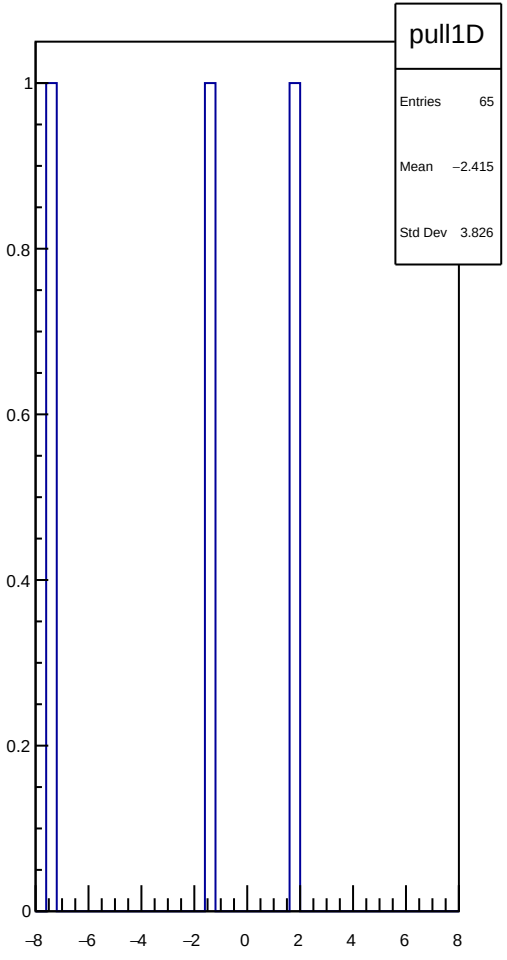

yield_cav4cQ_rms vs run
χ^2 / ndf 5.623e+04 / 64
p0 0.2821 ± 0.00026
0.45
0.4
0.35
0.3
0.25
0.2

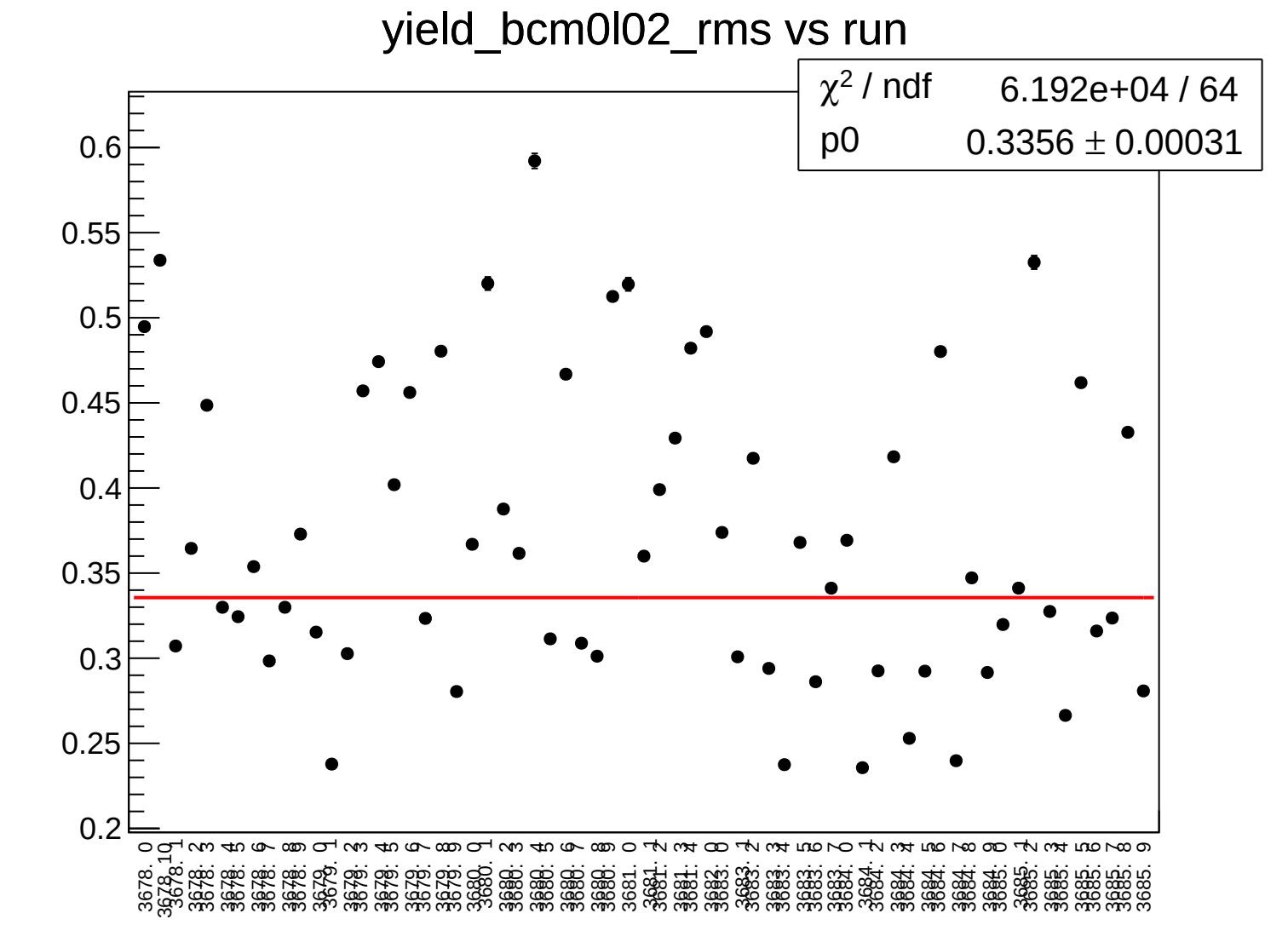

yield_cav4dQ_mean vs run
χ² / ndf 6.636e+04 / 64
p0 379 ± 9.077e−06
379.036
379.034
379.032
379.03
379.028
379.026
379.024
pull
Entries 65
Mean 49.56
Std Dev 102.9
80
60
40
20
0
−20
−40
−60

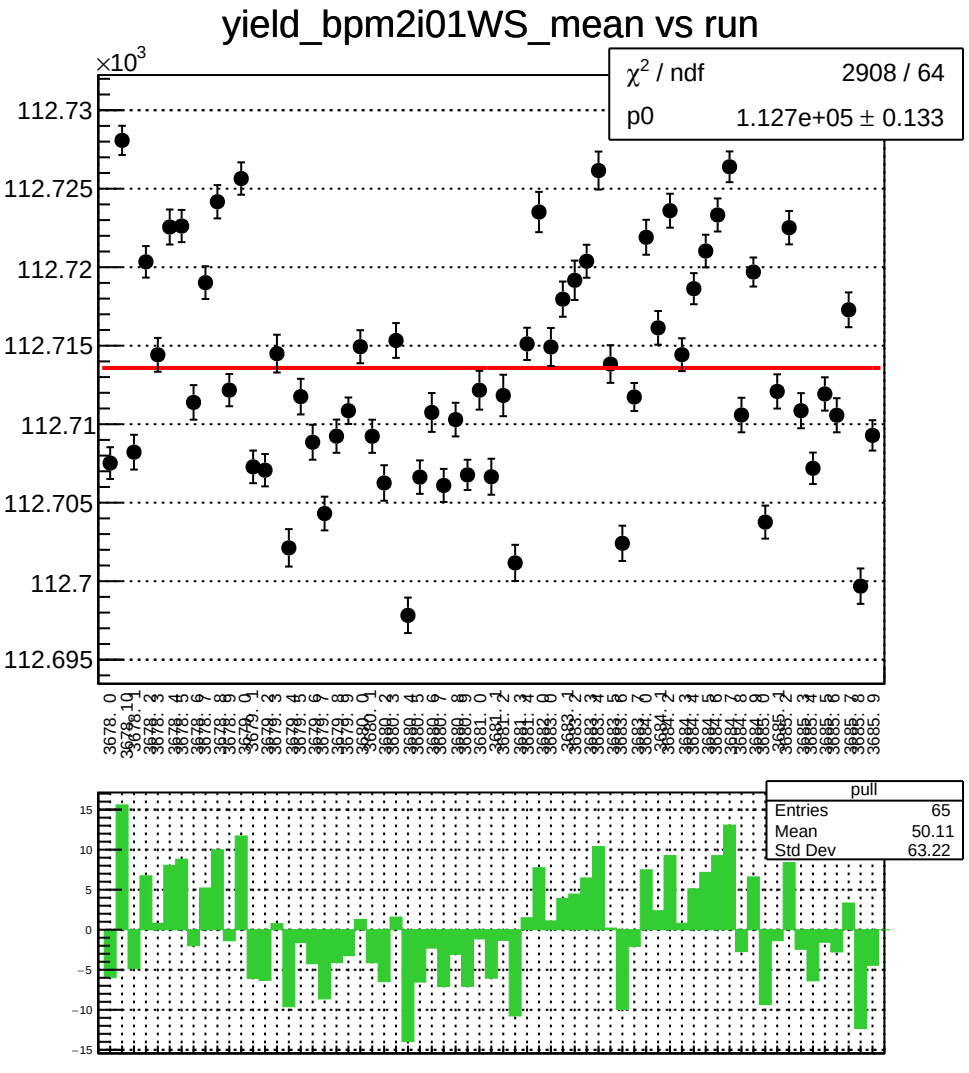

pull1D
Entries 65
Mean −1.039
Std Dev 4.937
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

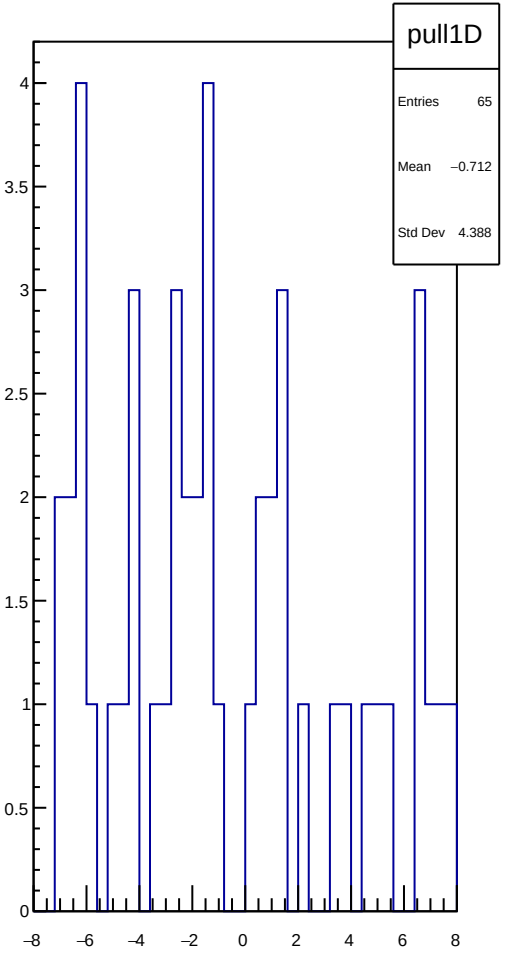

yield_cav4dQ_rms vs run
χ² / ndf 479 / 64
p0 0.007127 ± 6.418e−06
0.0074
0.0073
0.0072
0.0071
0.007
0.0069
0.0068

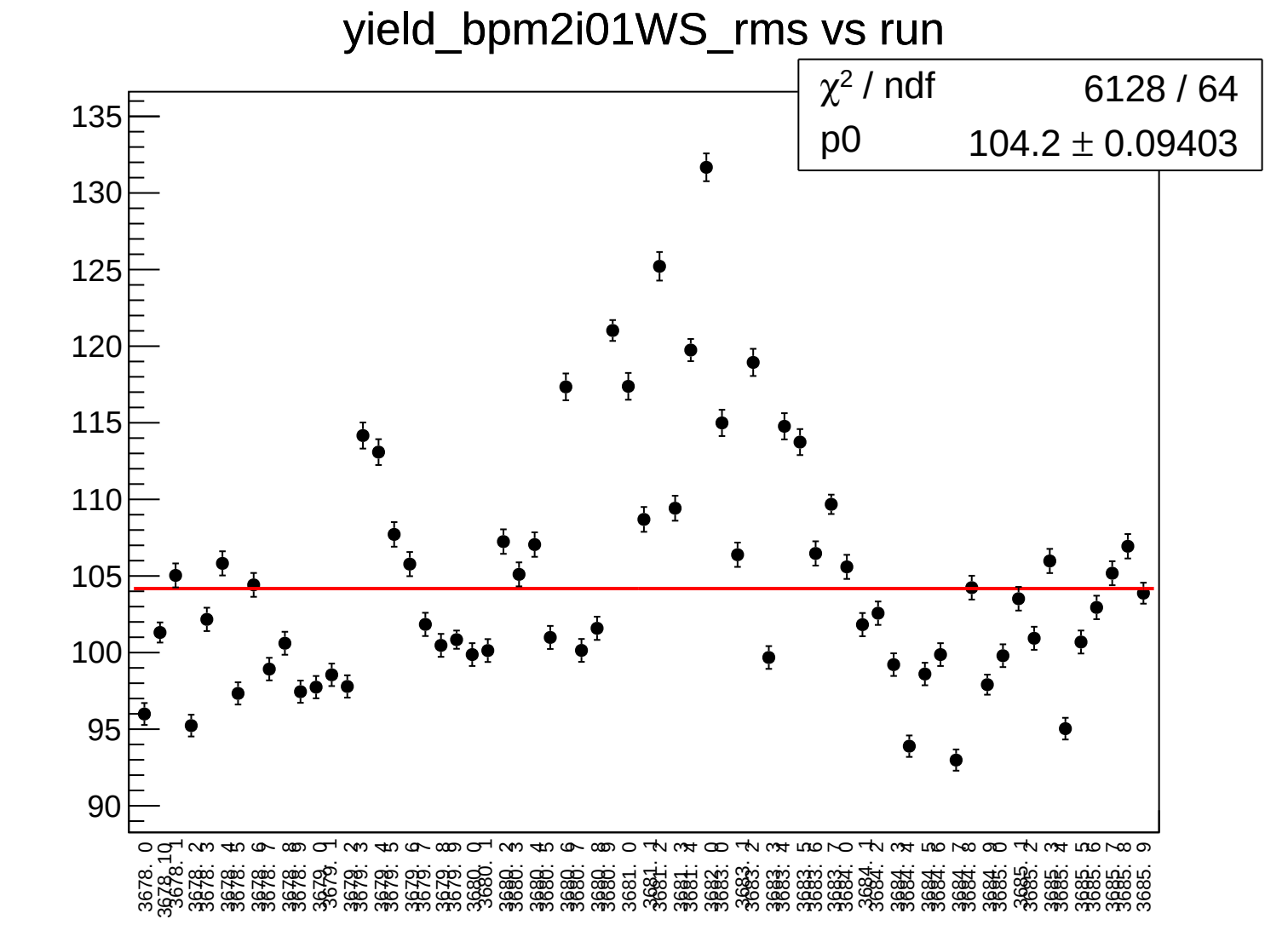

yield_bcm0l02_mean vs run
χ² / ndf 2.196e+06 / 64
p0 90.59 ± 0.0004385
91.5
91
90.5
90
89.5
89
pull
Entries 65
Mean −181.1
Std Dev 212.1
400
200
0
−200
−400
−600

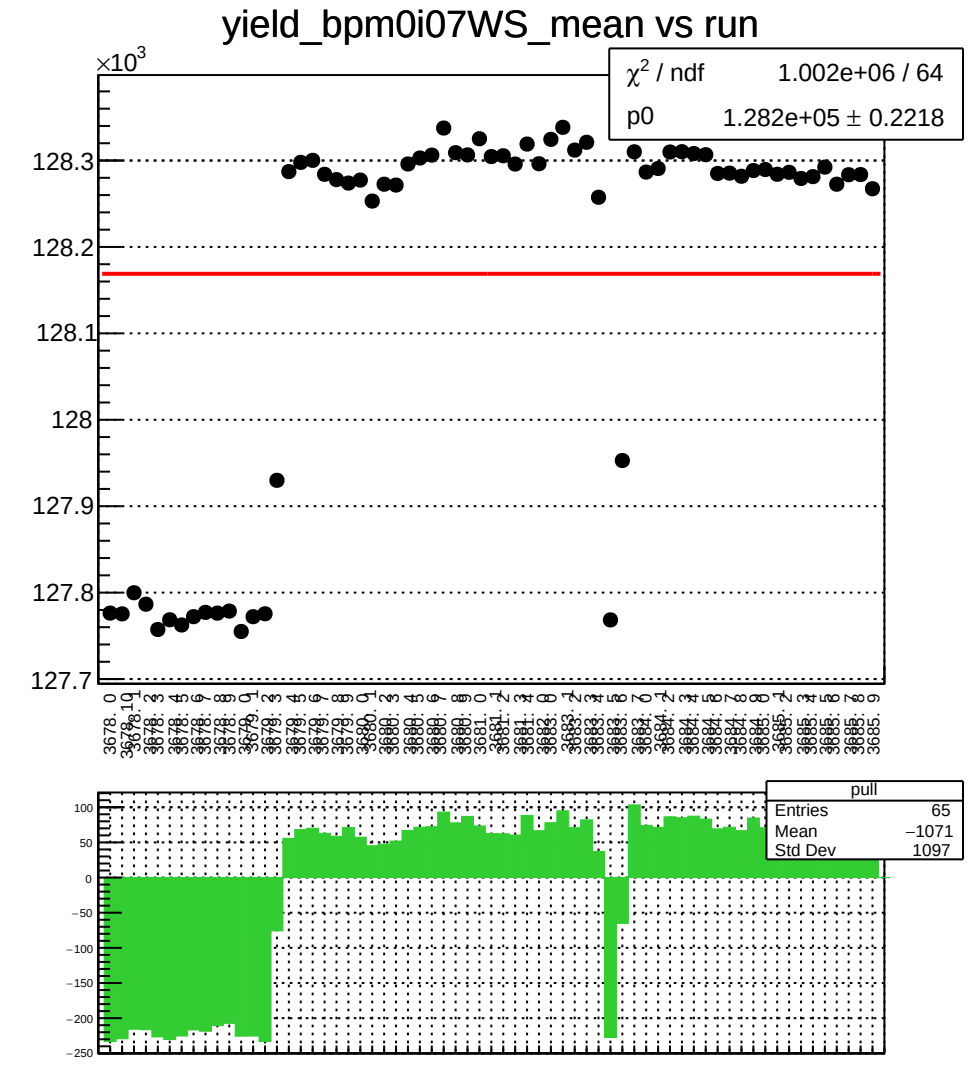

pull1D
Entries 65
Mean −2.415
Std Dev 3.826
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

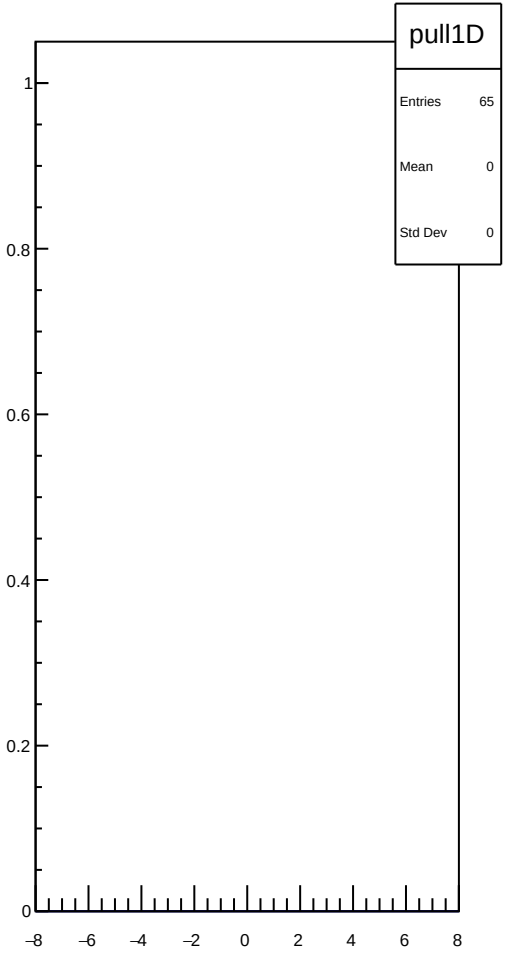

yield_bcm0l02_rms vs run
χ^2 / ndf 6.192e+04 / 64
p0 0.3356 ± 0.00031
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2

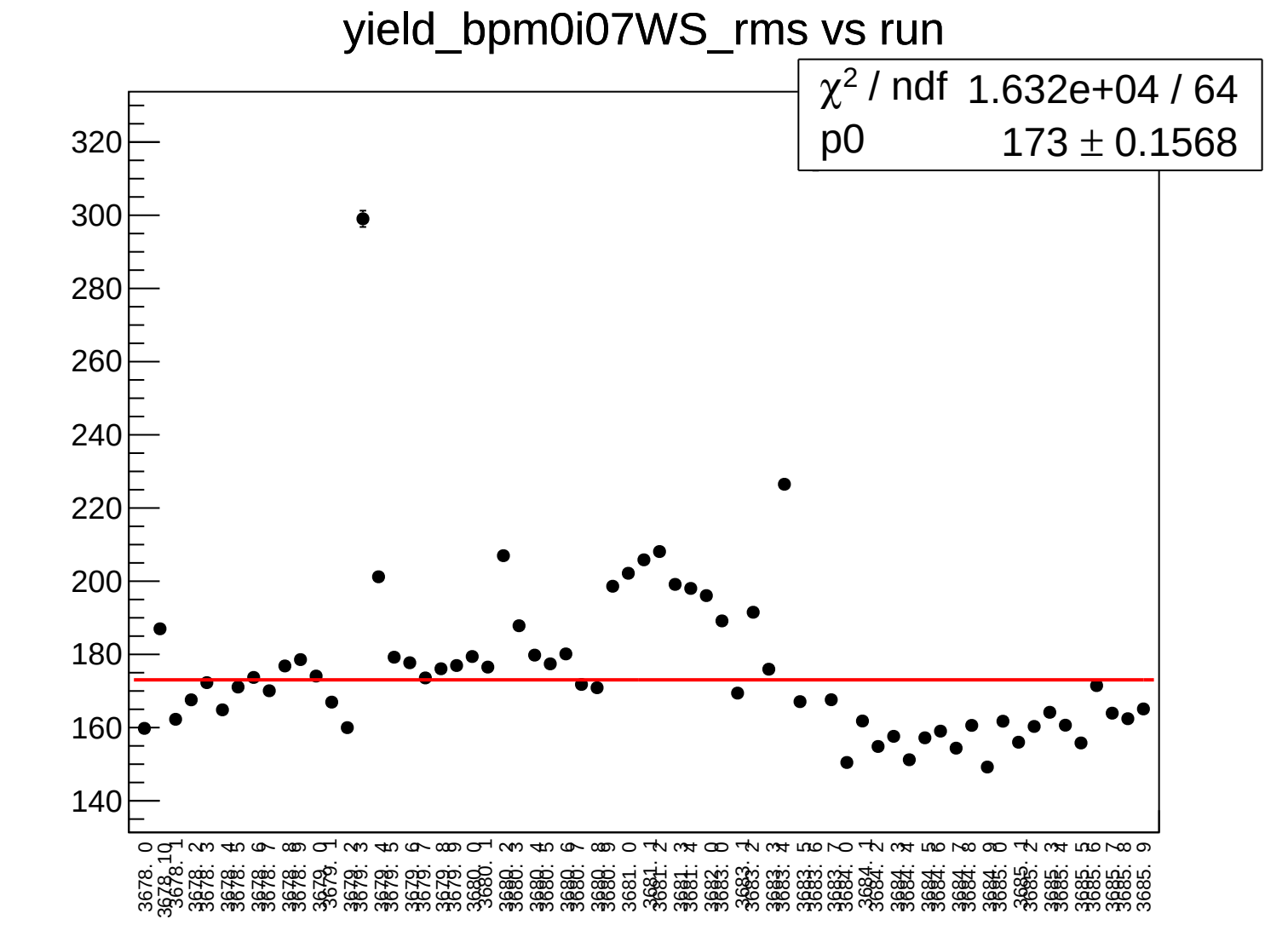

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 2908 / 64
p0 1.127e+05 ± 0.133
112.73
112.725
112.72
112.715
112.71
112.705
112.7
112.695
pull
Entries 65
Mean 50.11
Std Dev 63.22
15
10
5
0
−5
−10
−15

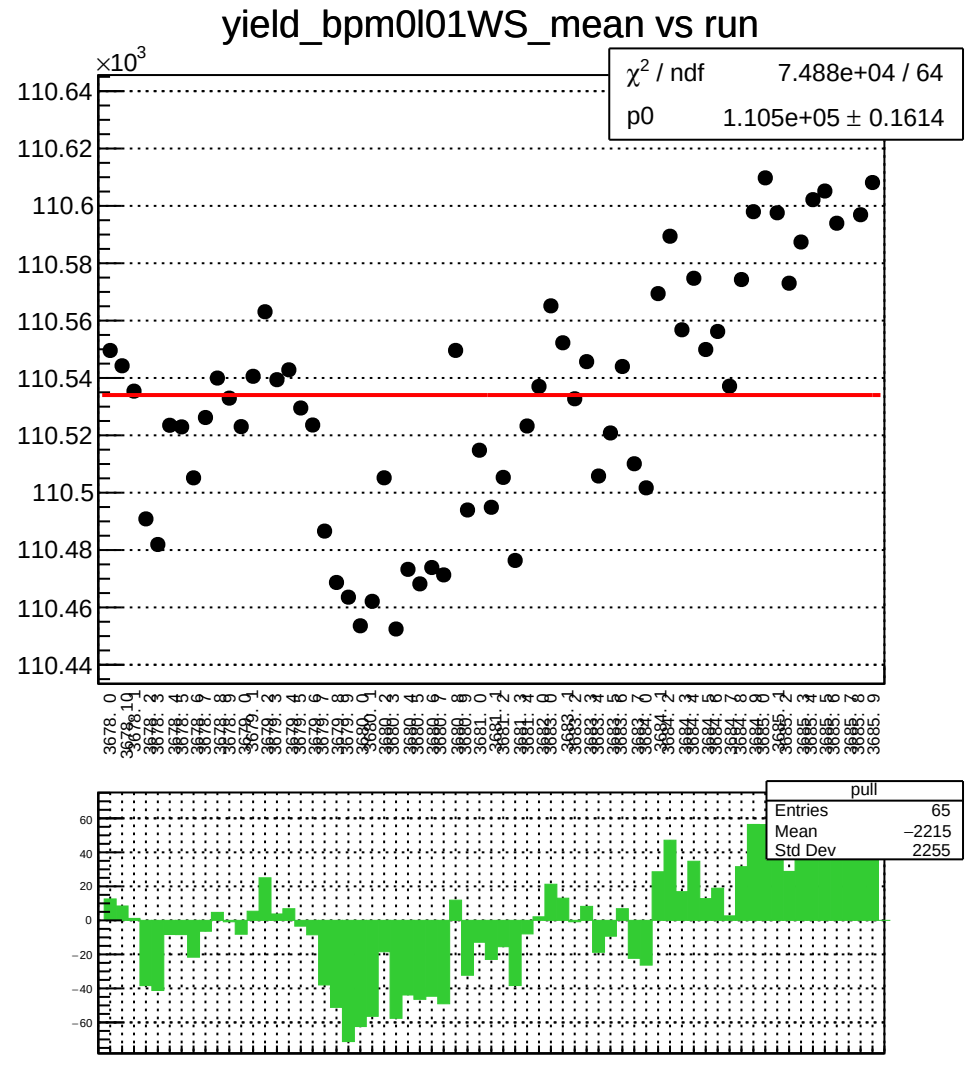

pull1D
Entries 65
Mean −0.712
Std Dev 4.388
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

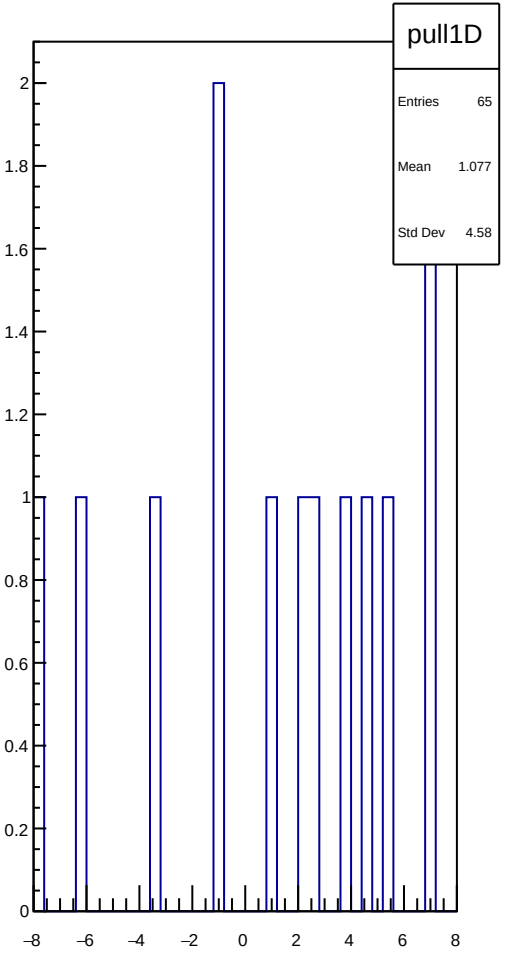

yield_bpm2i01WS_rms vs run
χ² / ndf 6128 / 64
p0 104.2 ± 0.09403
135
130
125
120
115
110
105
100
95
90

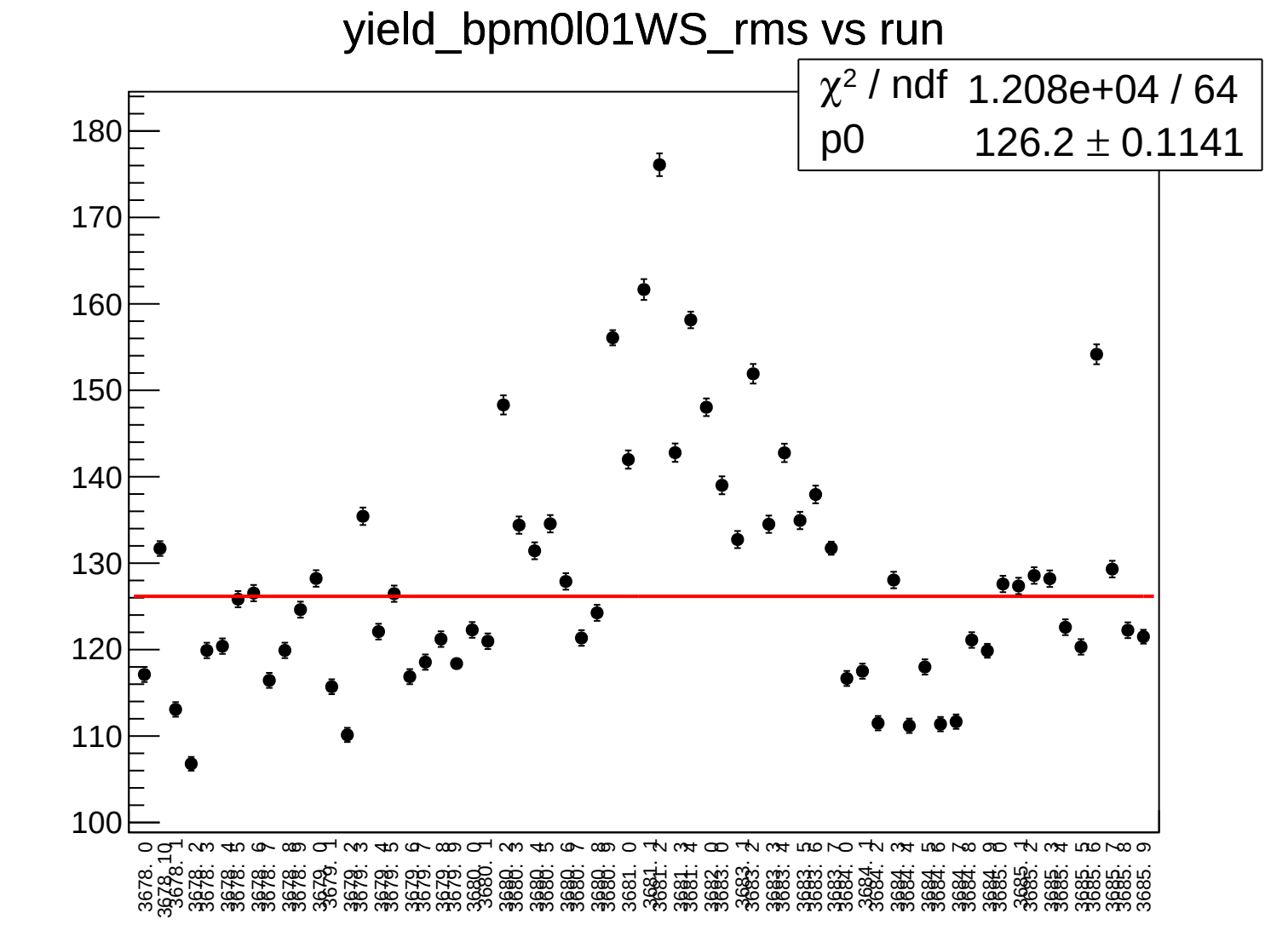

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.002e+06 / 64
p0 1.282e+05 ± 0.2218
128.3
128.2
128.1
128
127.9
127.8
127.7
pull
Entries 65
Mean −1071
Std Dev 1097
100
50
0
−50
−100
−150
−200
−250

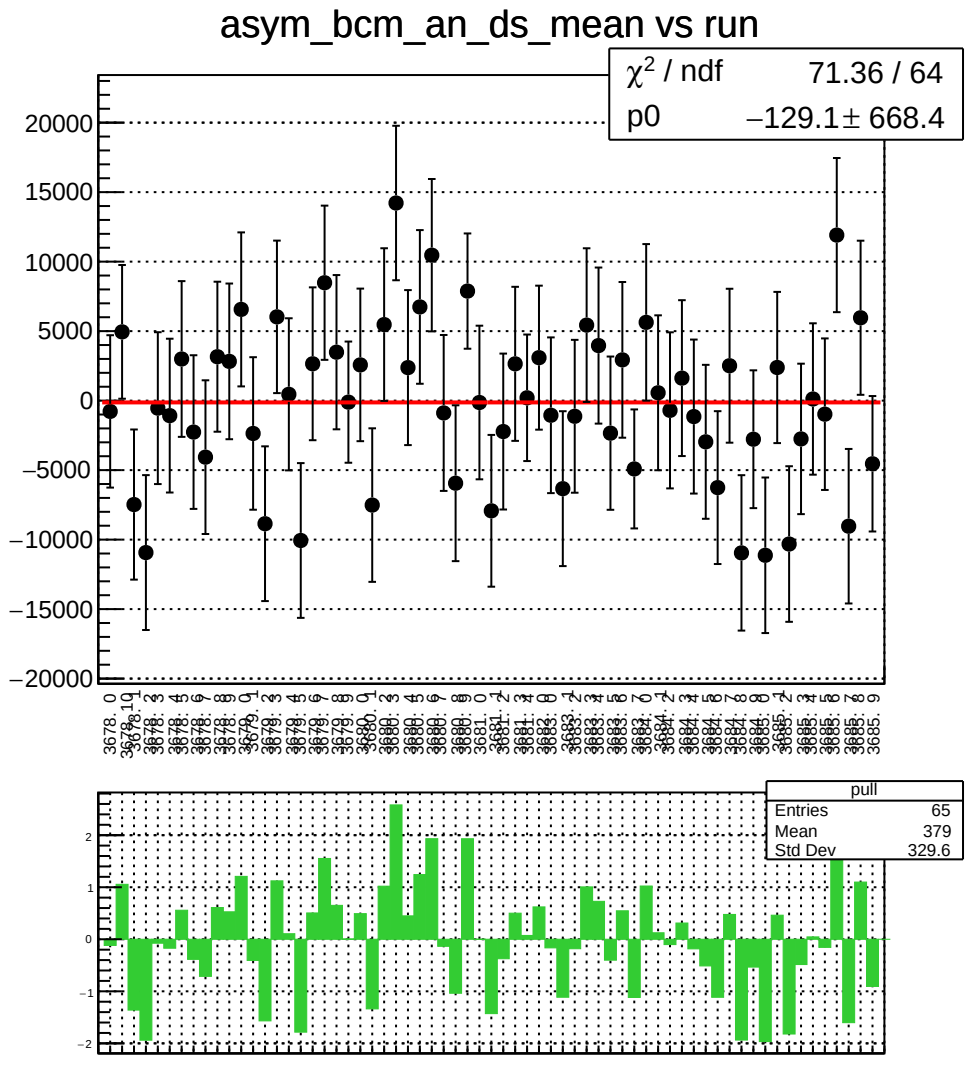

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

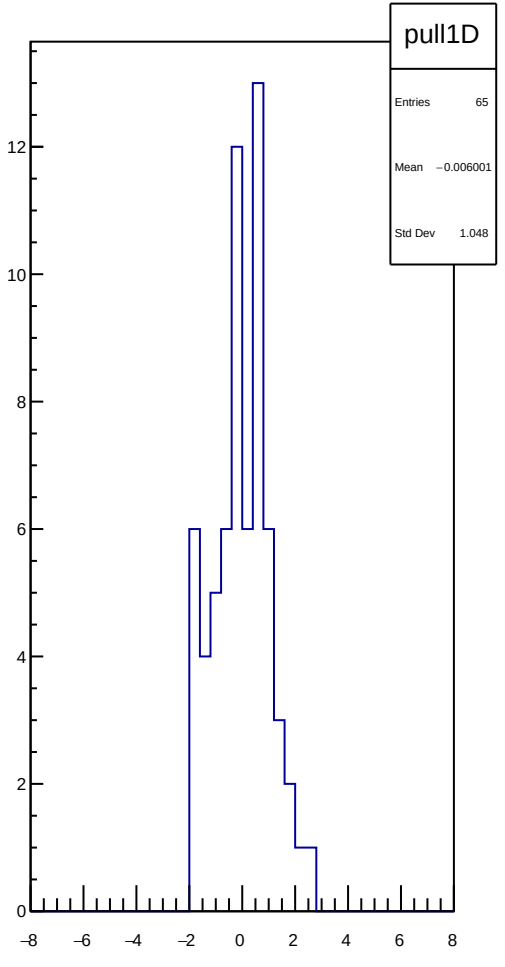

yield_bpm0i07WS_rms vs run
χ² / ndf 1.632e+04 / 64
p0 173 ± 0.1568
320
300
280
260
240
220
200
180
160
140

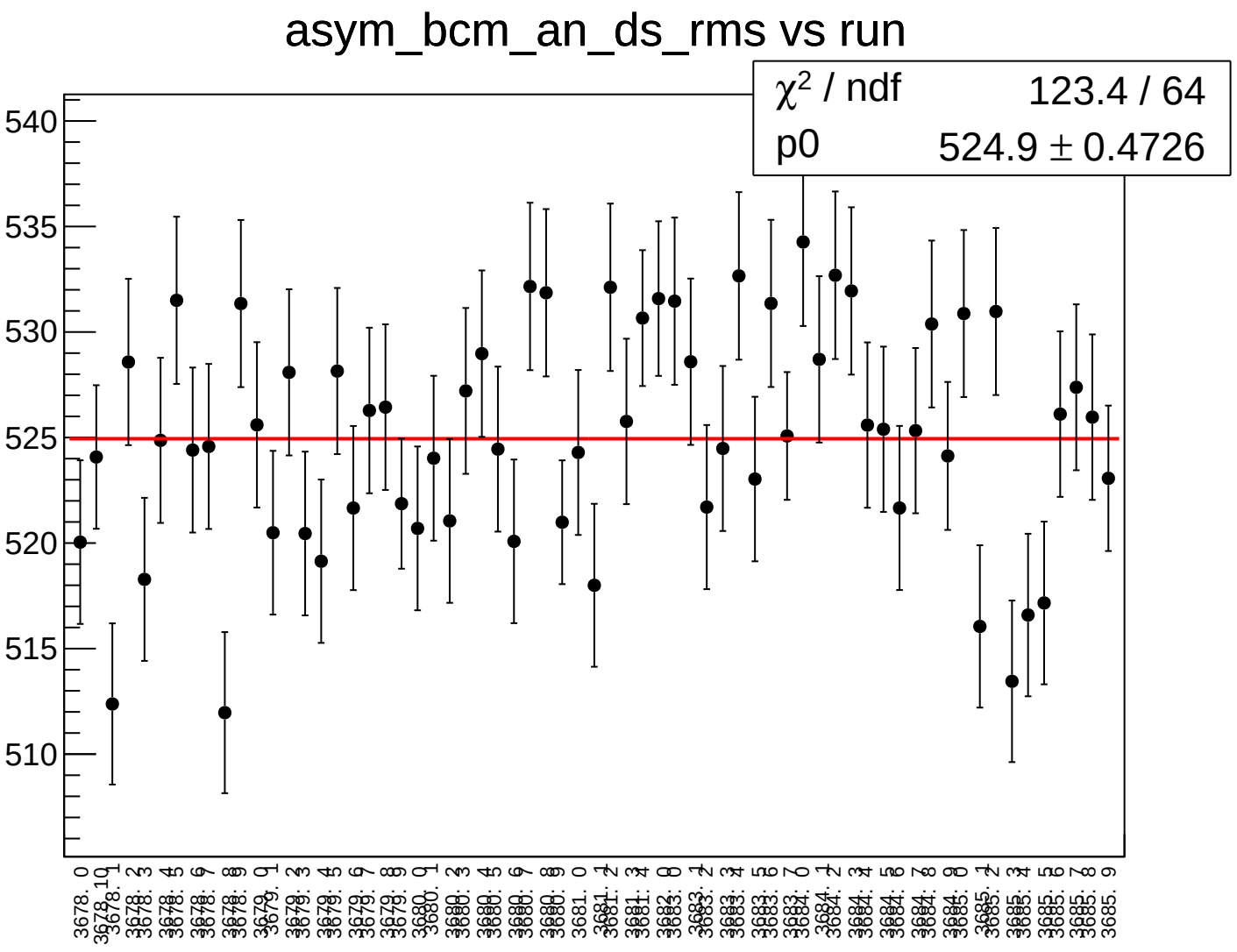

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 7.488e+04 / 64
p0 1.105e+05 ± 0.1614
110.64
110.62
110.6
110.58
110.56
110.54
110.52
110.5
110.48
110.46
110.44
pull
Entries 65
Mean −2215
Std Dev 2255
60
40
20
0
−20
−40
−60

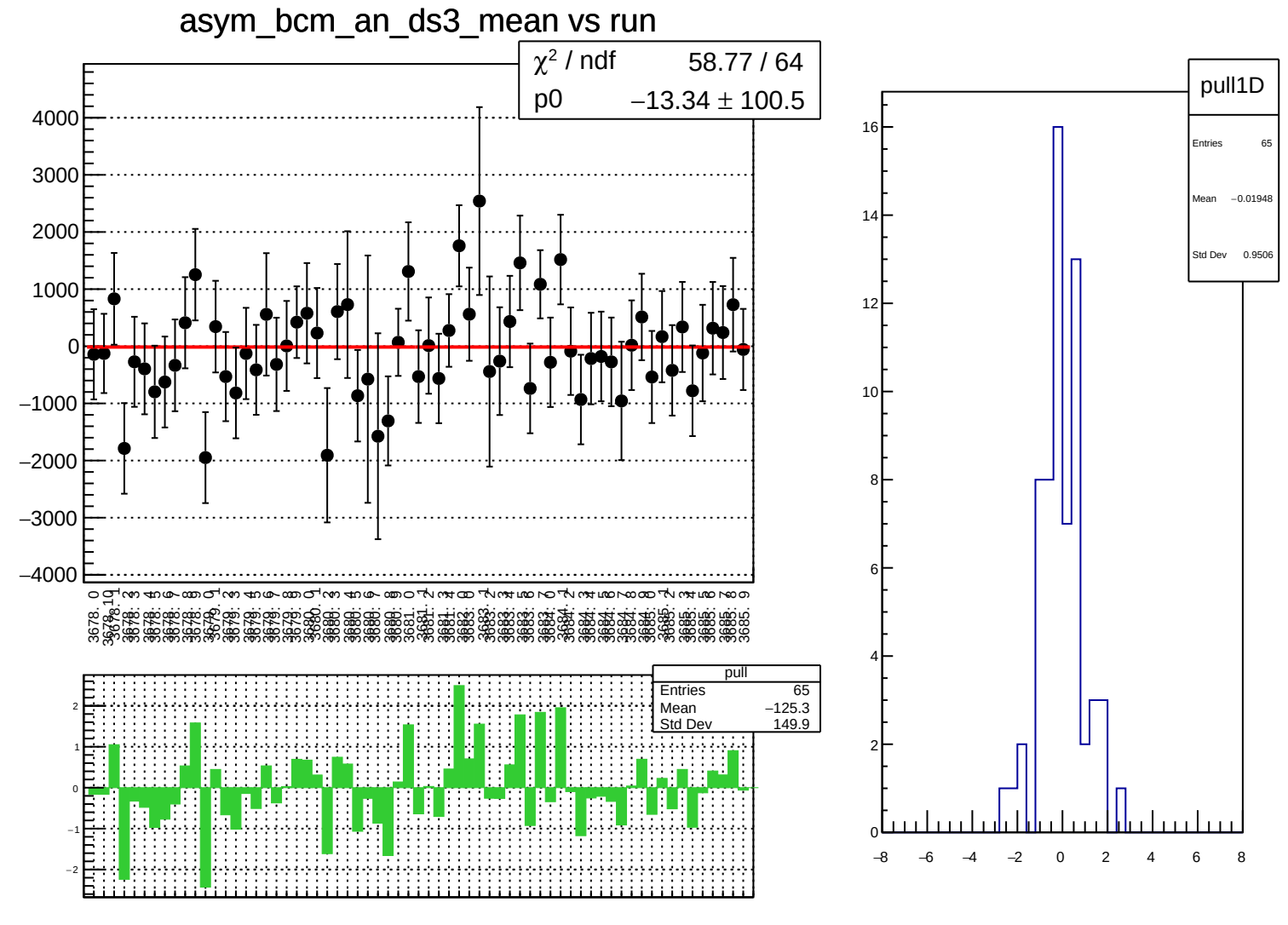

pull1D
Entries 65
Mean 1.077
Std Dev 4.58
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

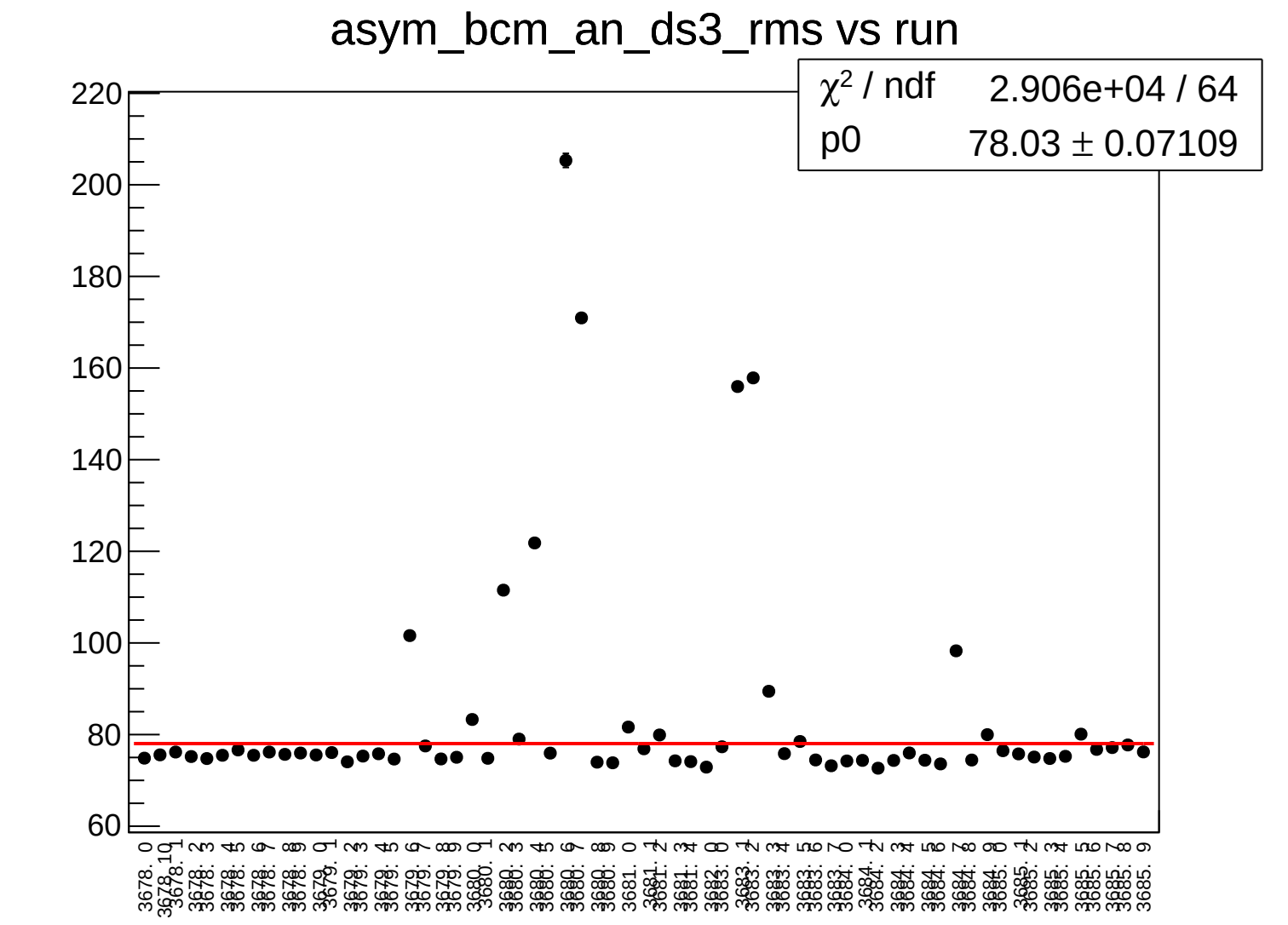

yield_bpm0l01WS_rms vs run
χ² / ndf 1.208e+04 / 64
p0 126.2 ± 0.1141
180
170
160
150
140
130
120
110
100

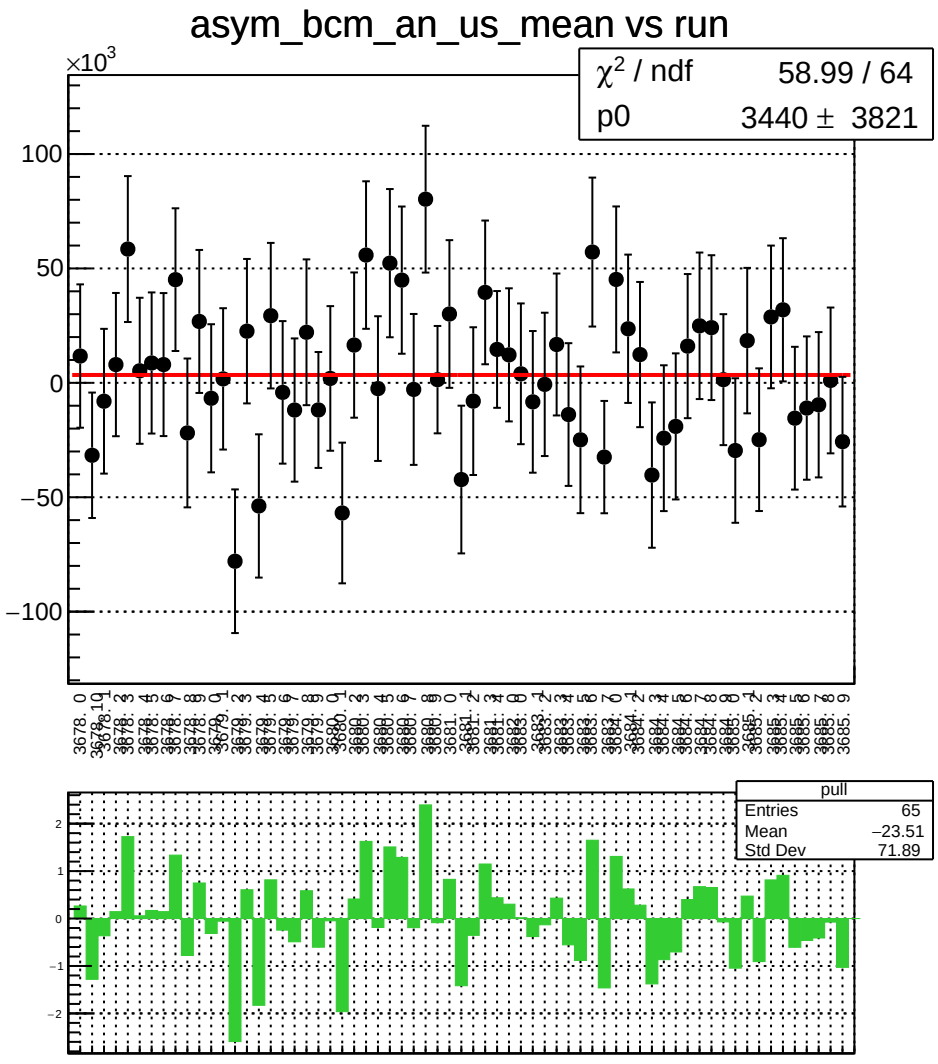

asym_bcm_an_ds_mean vs run
χ² / ndf 71.36 / 64
p0 −129.1± 668.4
pull
Entries 65
Mean 379
Std Dev 329.6

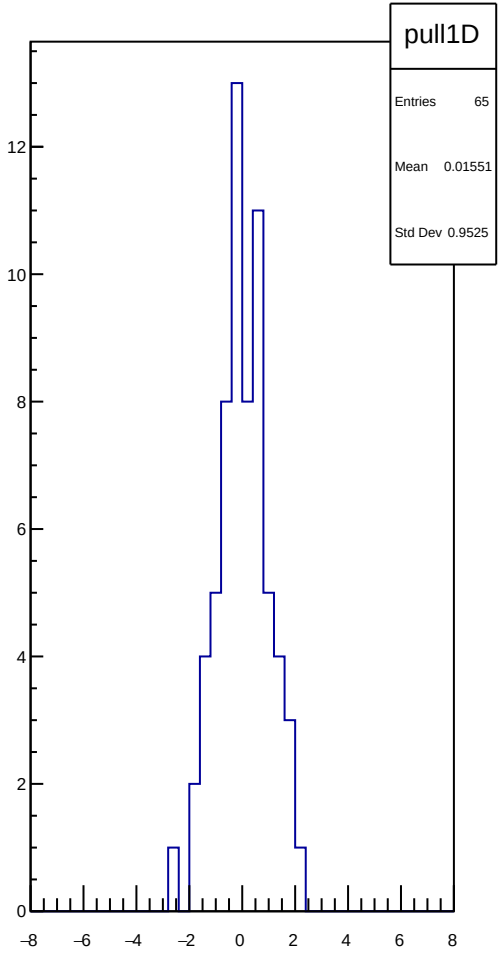

pull1D
Entries 65
Mean −0.006001
Std Dev 1.048

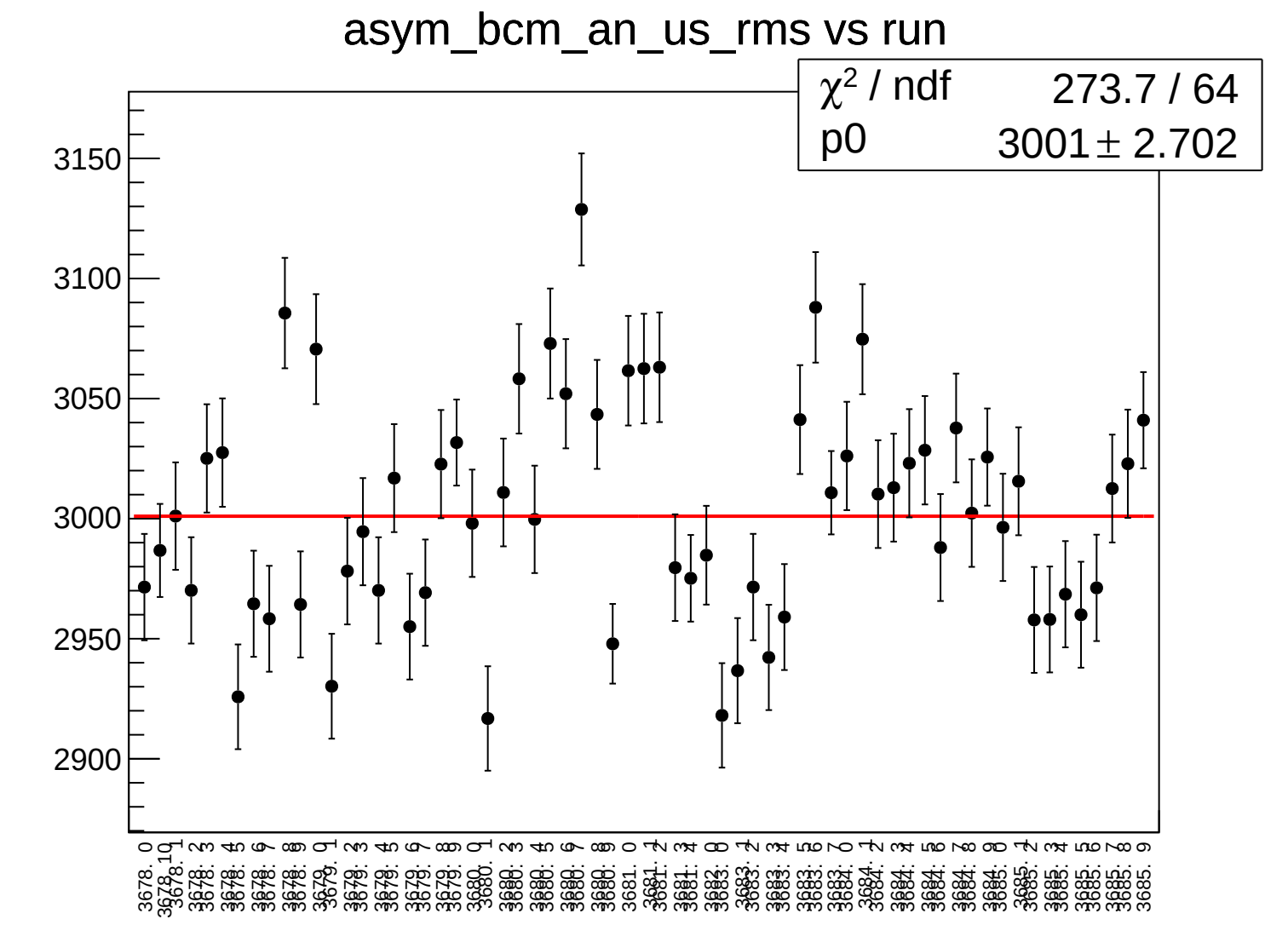

asym_bcm_an_ds_rms vs run
χ² / ndf 123.4 / 64
p0 524.9 ± 0.4726
540
535
530
525
520
515
510

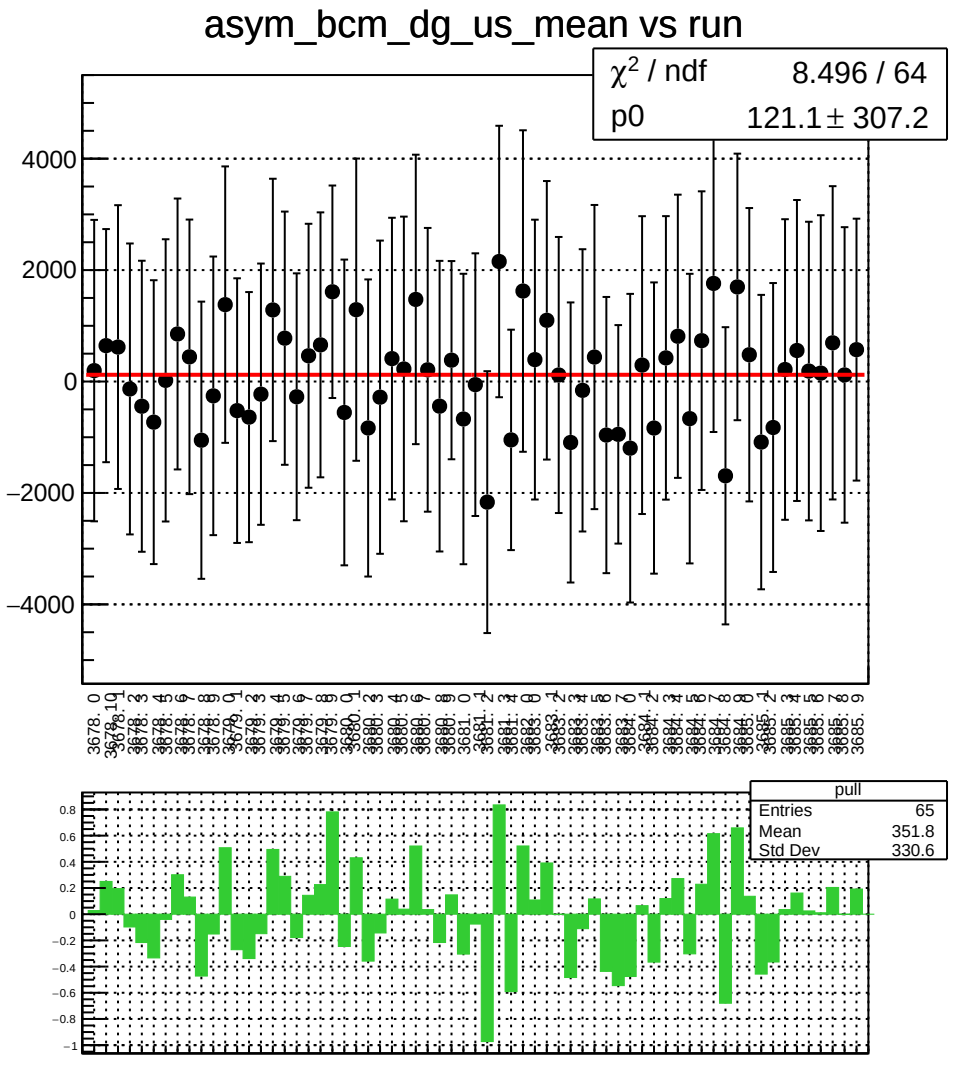

asym_bcm_an_ds3_mean vs run
χ² / ndf 58.77 / 64
p0 −13.34 ± 100.5
pull
Entries 65
Mean −125.3
Std Dev 149.9
pull1D
Entries 65
Mean −0.01948
Std Dev 0.9506

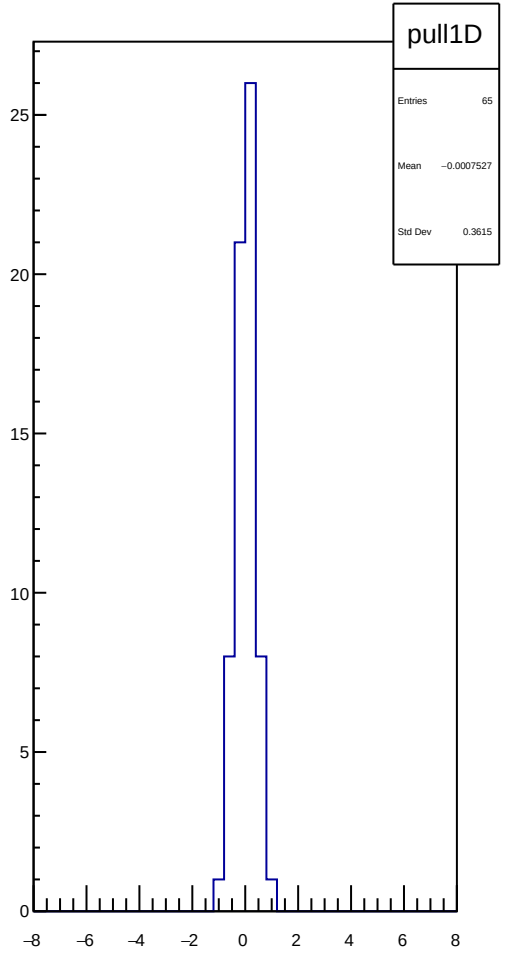

asym_bcm_an_ds3_rms vs run
χ² / ndf 2.906e+04 / 64
p0 78.03 ± 0.07109
220
200
180
160
140
120
100
80
60

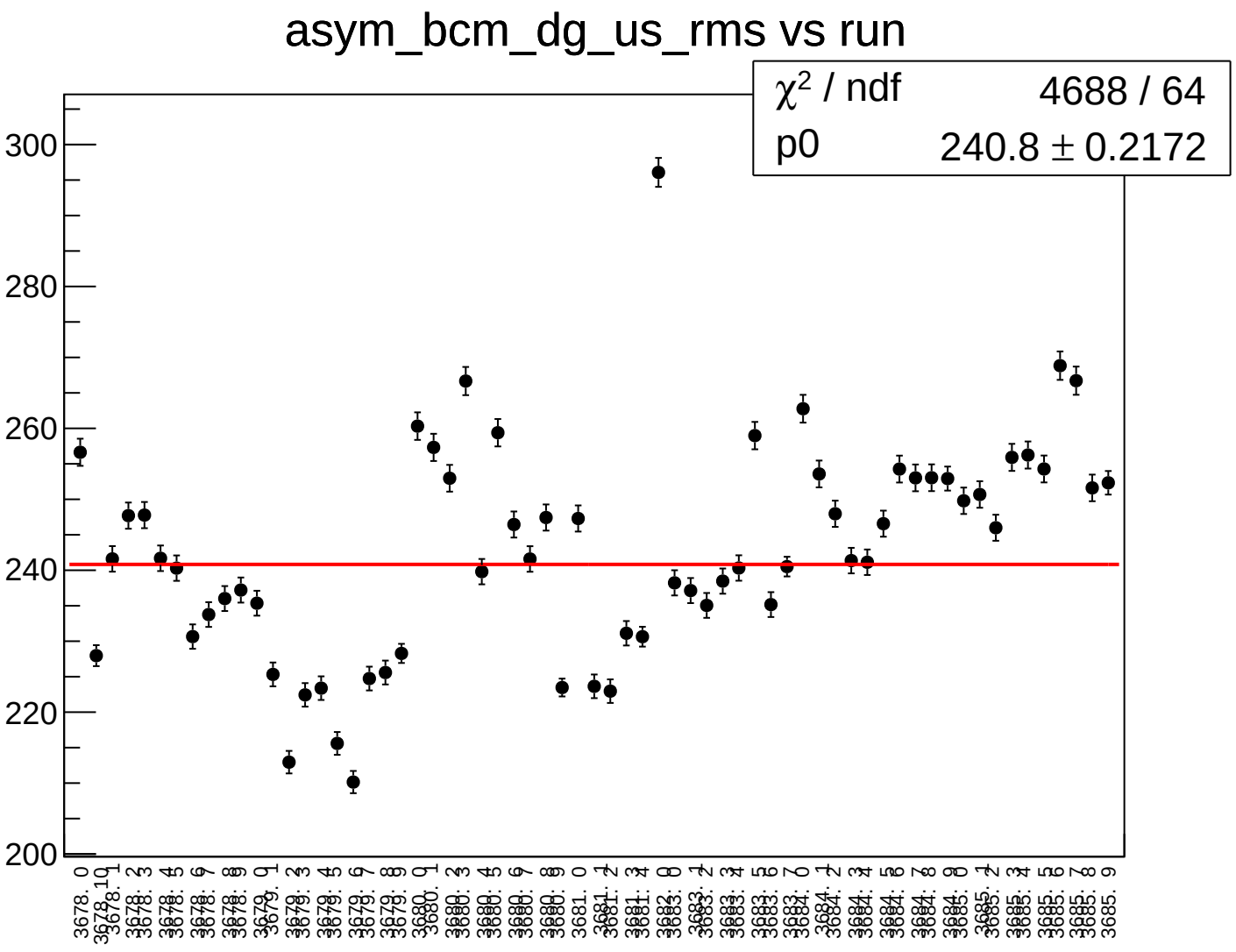

asym_bcm_an_us_mean vs run
×10^3
χ^2 / ndf 58.99 / 64
p0 3440 ± 3821
100
50
0
−50
−100
pull
Entries 65
Mean −23.51
Std Dev 71.89
2
1
0
−1
−2

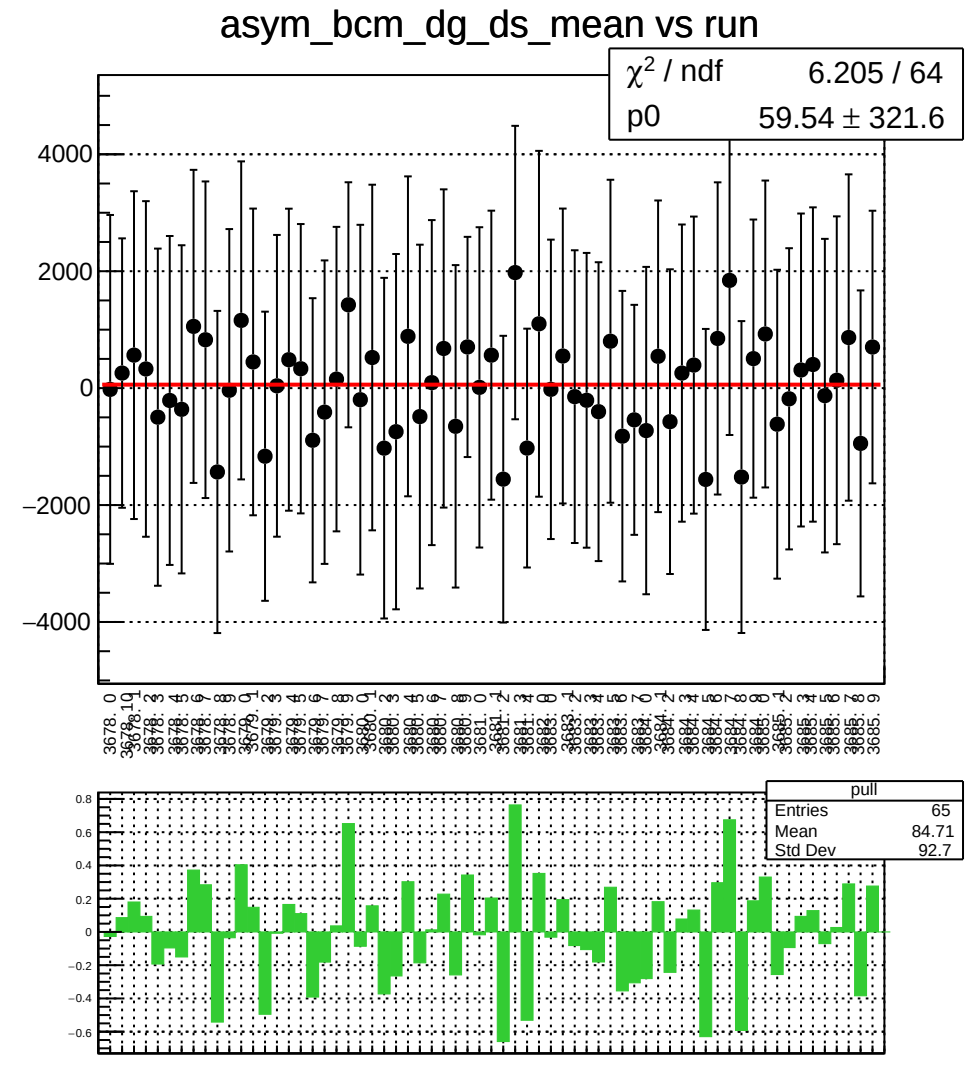

pull1D
Entries 65
Mean 0.01551
Std Dev 0.9525
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

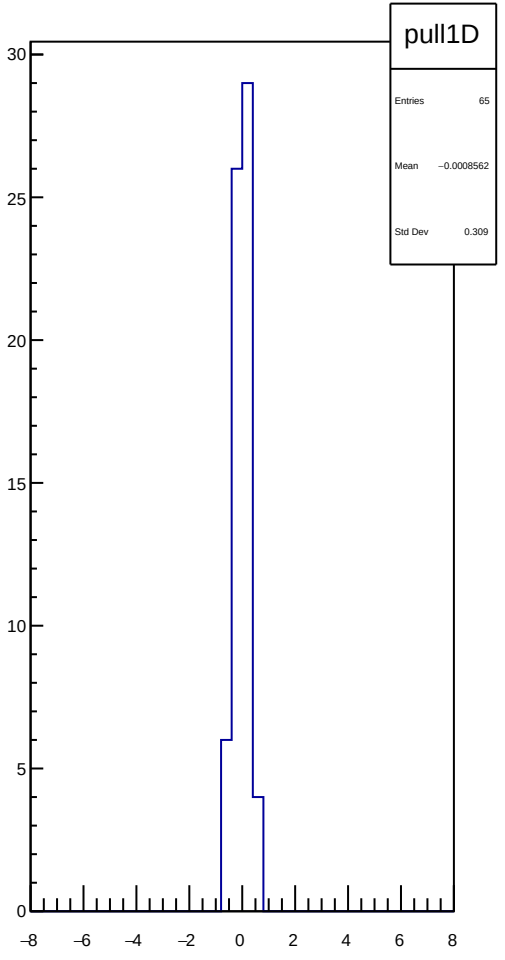

asym_bcm_an_us_rms vs run
χ² / ndf 273.7 / 64
p0 3001 ± 2.702
3150
3100
3050
3000
2950
2900

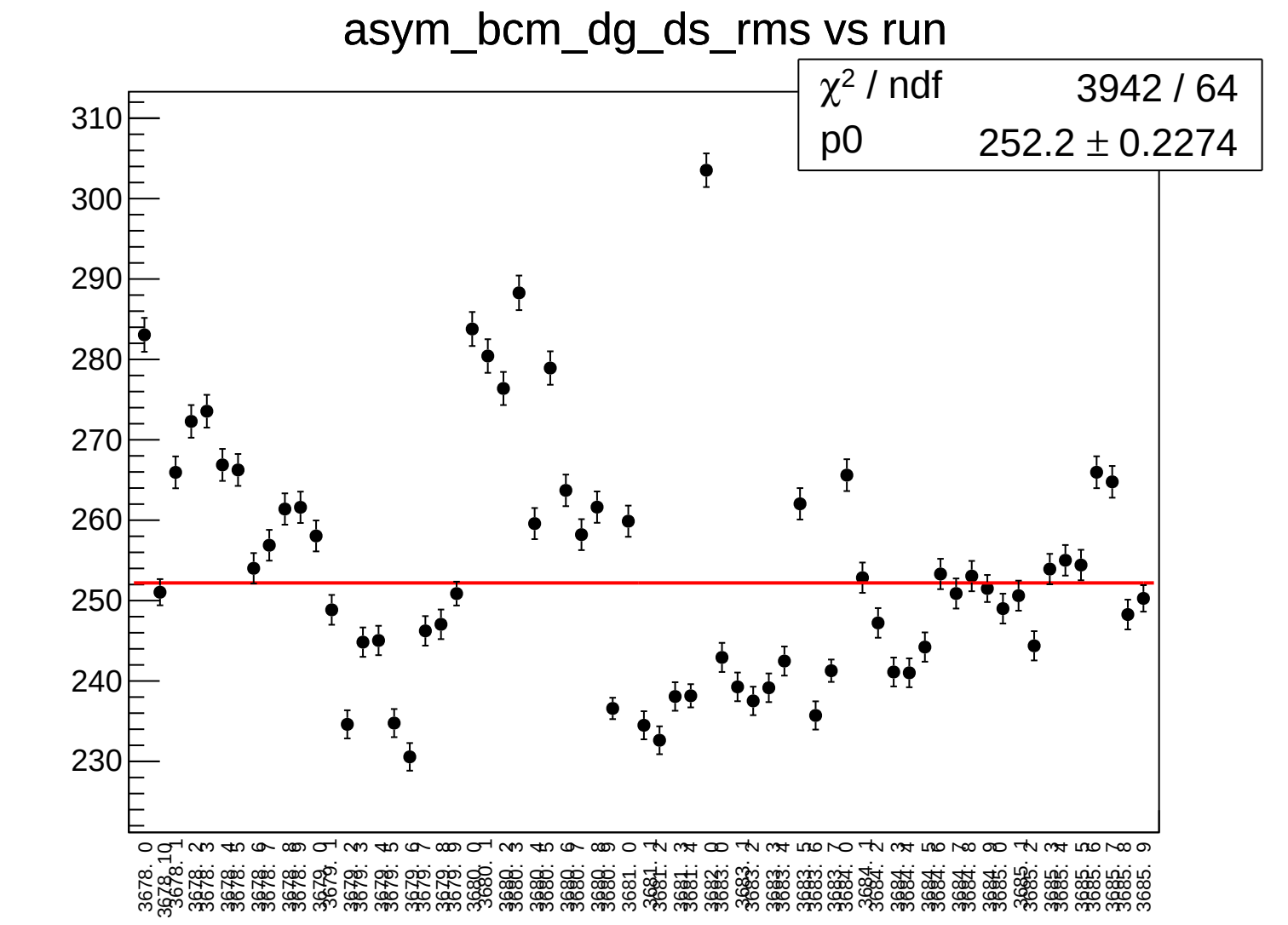

asym_bcm_dg_us_mean vs run
χ² / ndf 8.496 / 64
p0 121.1 ± 307.2
4000
2000
0
−2000
−4000
pull
Entries 65
Mean 351.8
Std Dev 330.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

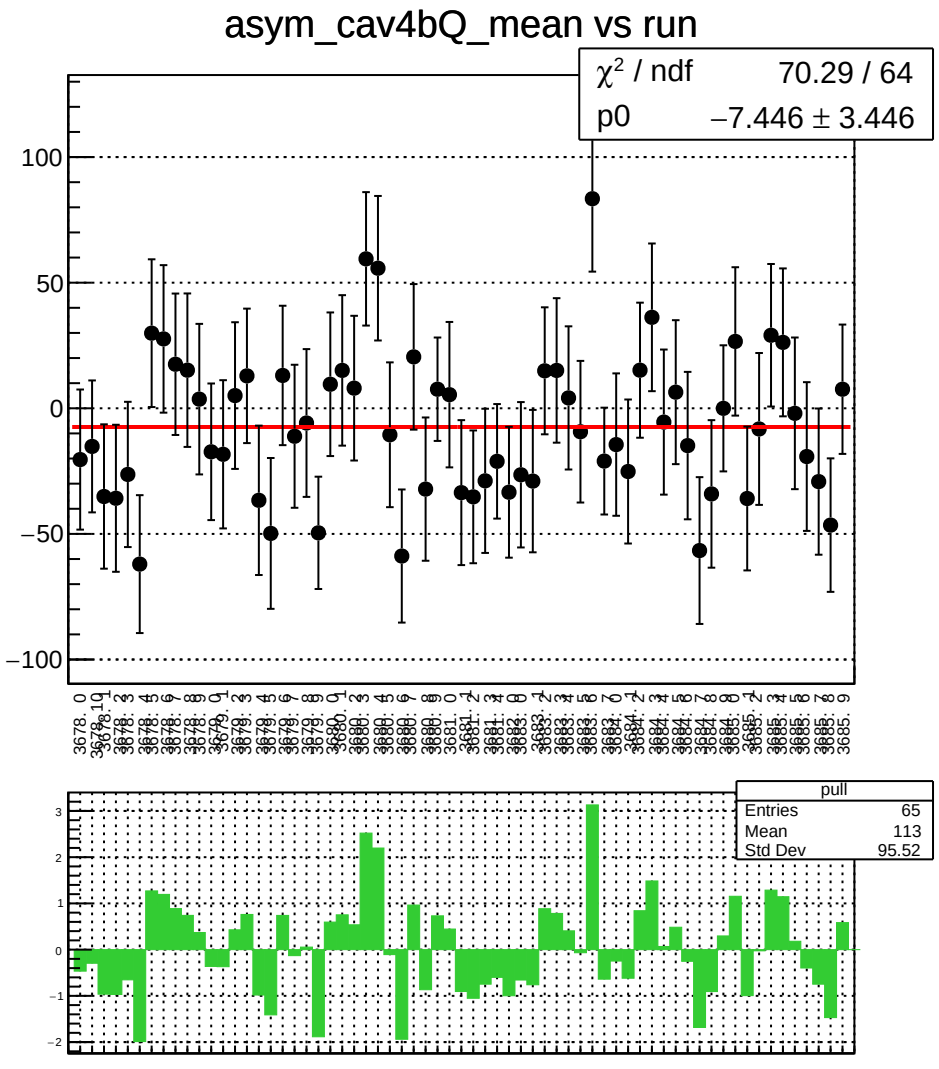

pull1D
Entries 65
Mean −0.0007527
Std Dev 0.3615
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

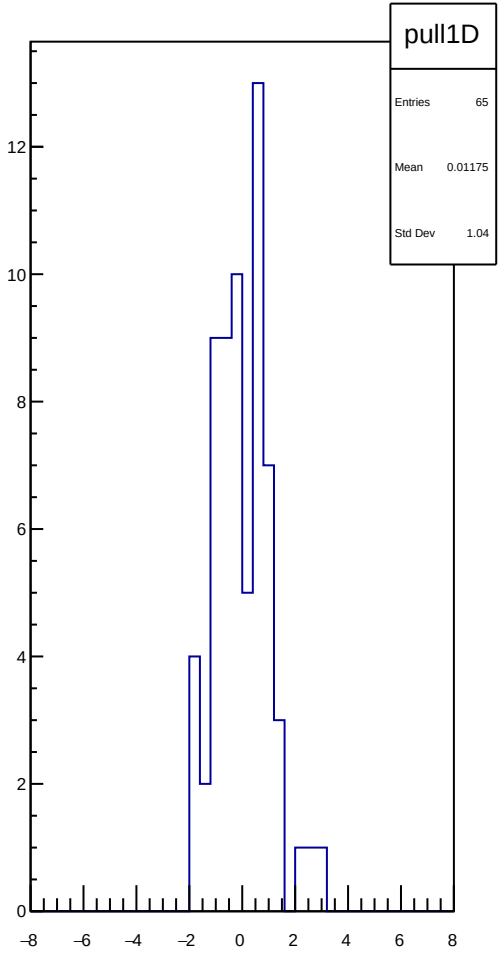

asym_bcm_dg_us_rms vs run
χ² / ndf 4688 / 64
p0 240.8 ± 0.2172
300
280
260
240
220
200

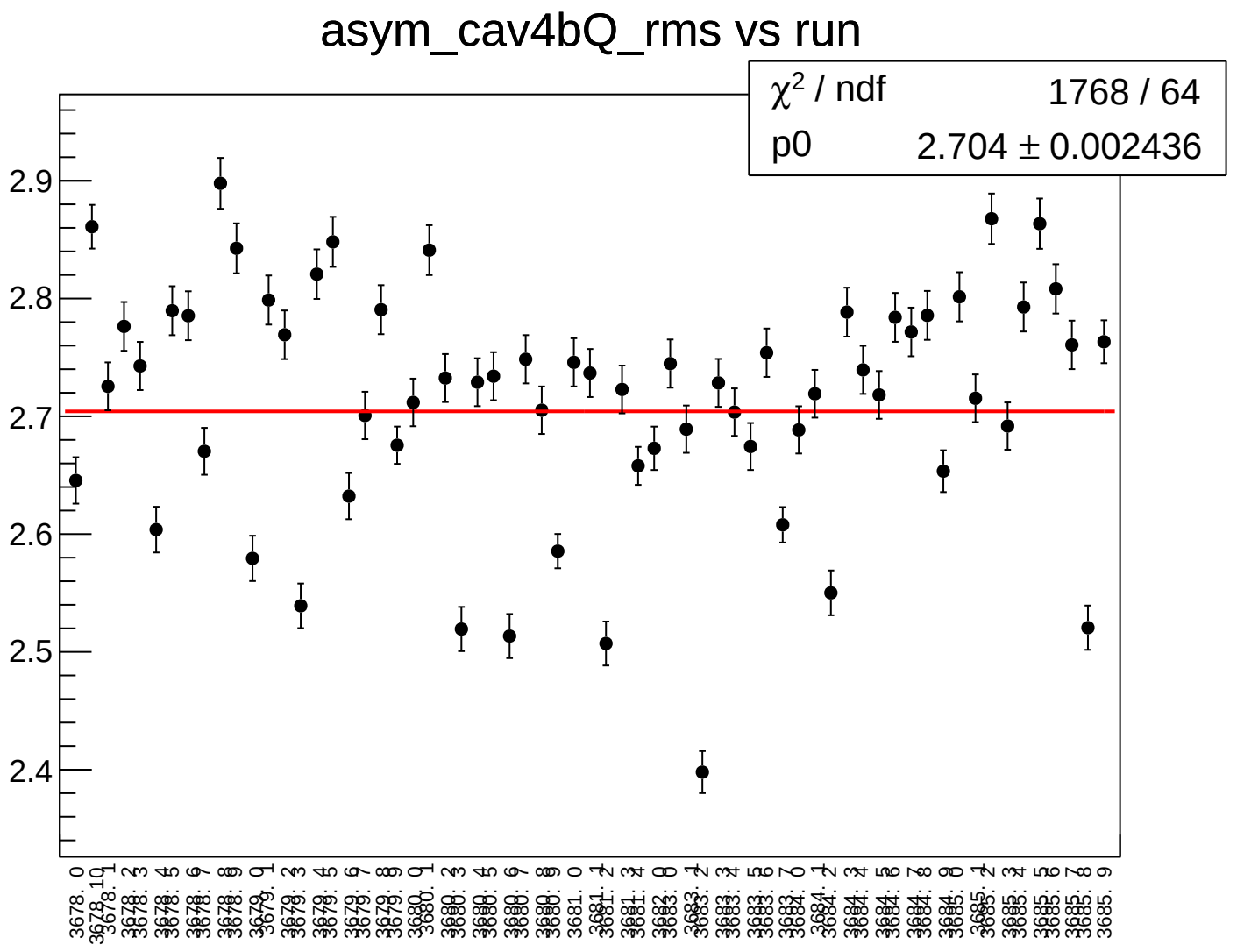

asym_bcm_dg_ds_mean vs run
χ^2 / ndf 6.205 / 64
p0 59.54 ± 321.6
4000
2000
0
−2000
−4000
pull
Entries 65
Mean 84.71
Std Dev 92.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

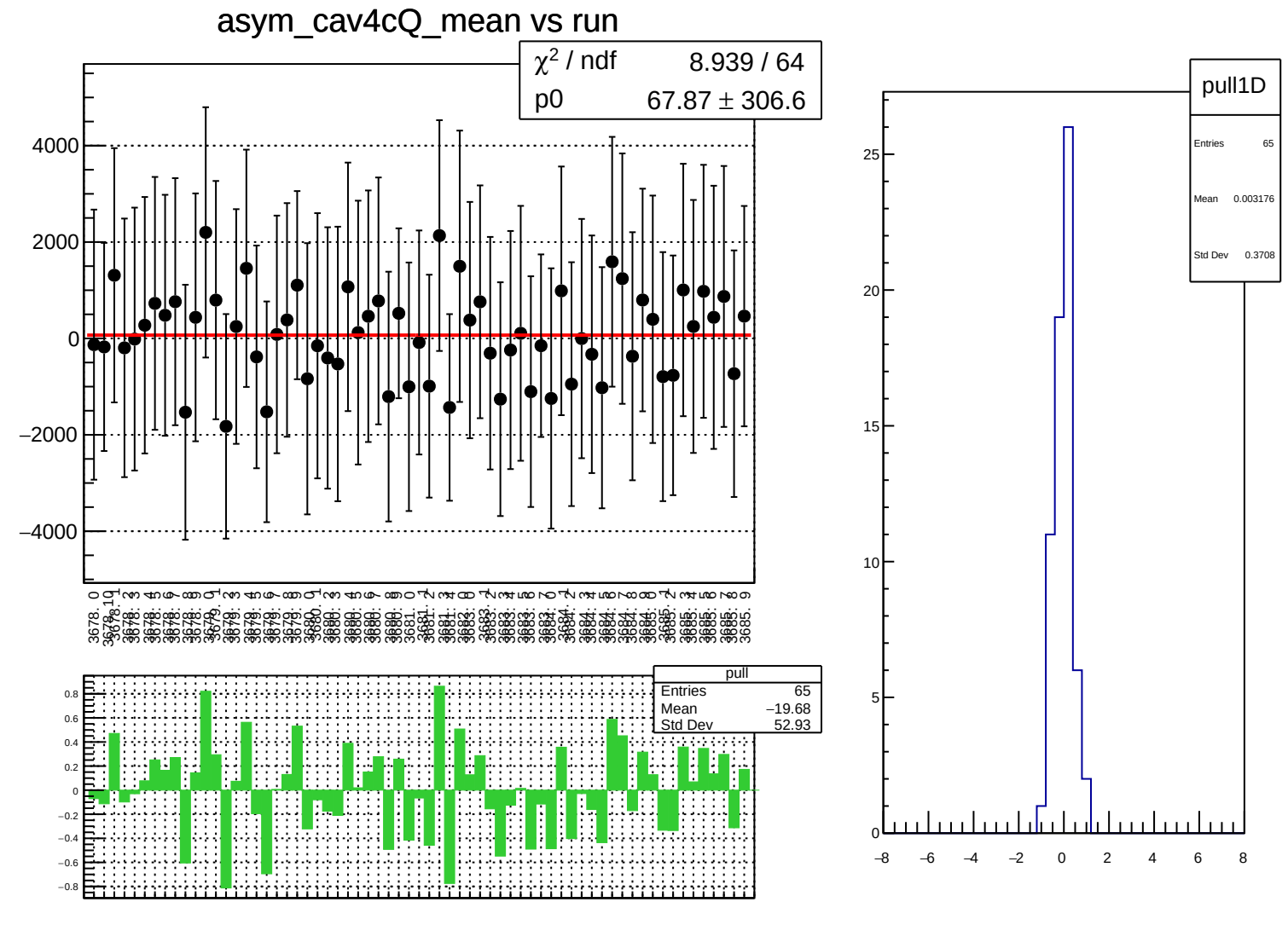

pull1D
Entries 65
Mean −0.0008562
Std Dev 0.309
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

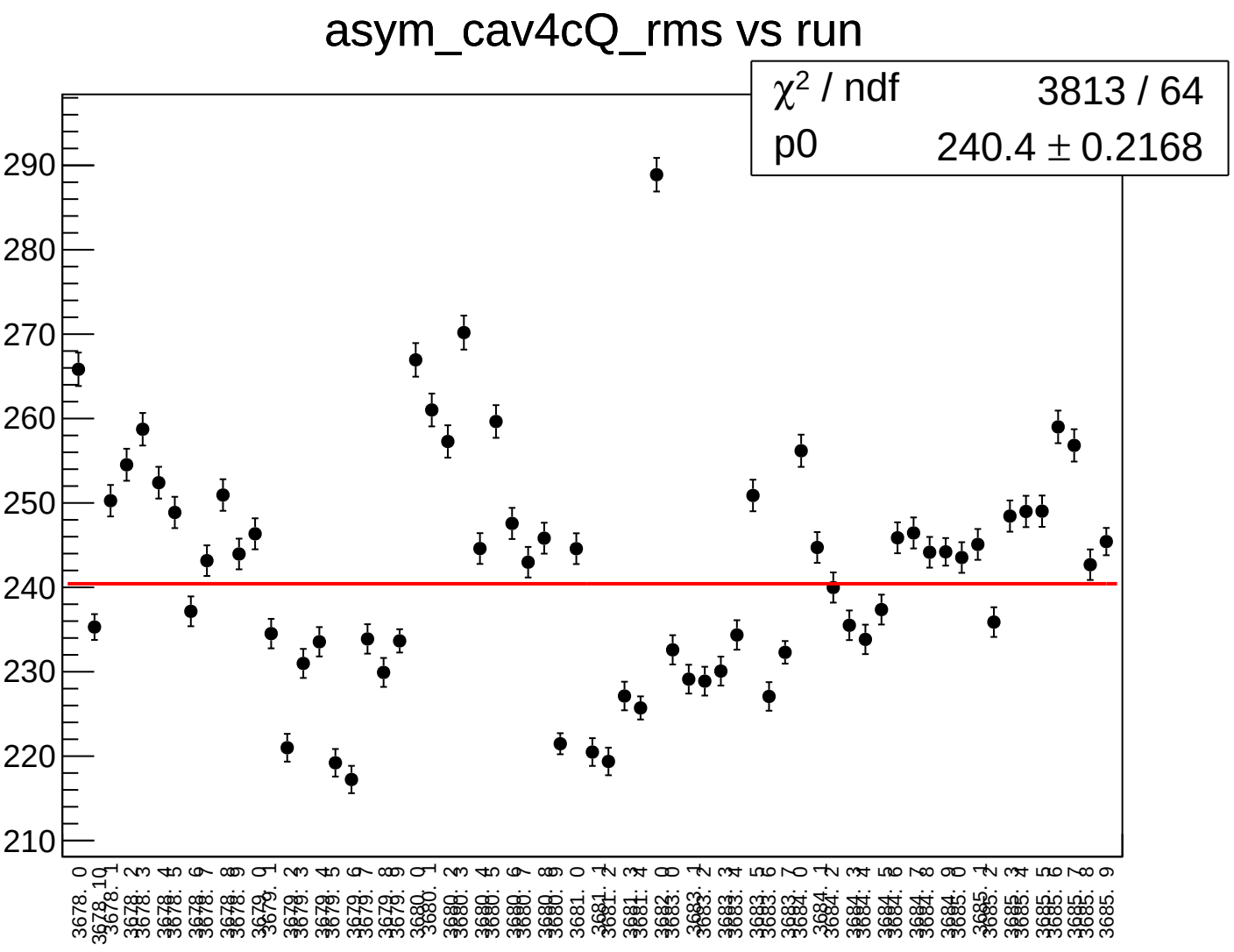

asym_bcm_dg_ds_rms vs run
χ² / ndf 3942 / 64
p0 252.2 ± 0.2274
310
300
290
280
270
260
250
240
230

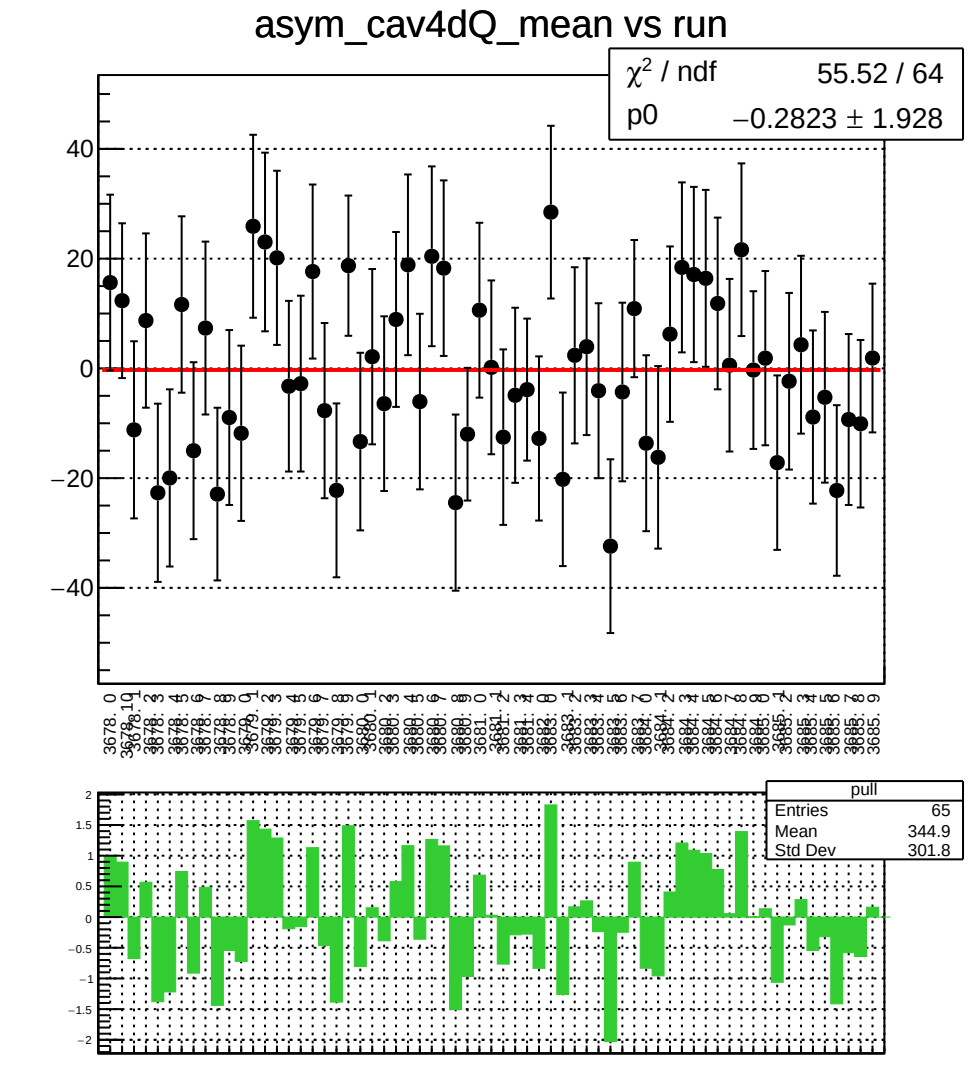

asym_cav4bQ_mean vs run
χ² / ndf 70.29 / 64
p0 −7.446 ± 3.446
100
50
0
−50
−100
pull
Entries 65
Mean 113
Std Dev 95.52
3
2
1
0
−1
−2

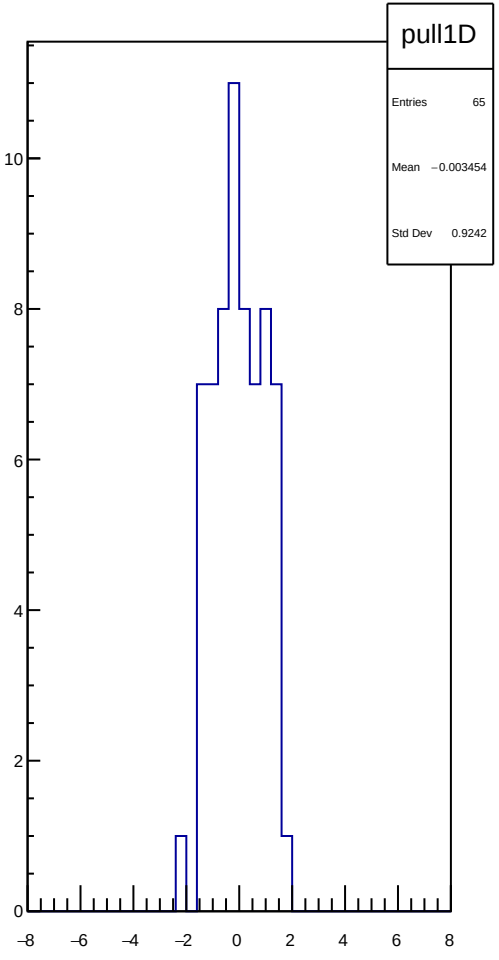

pull1D
Entries 65
Mean 0.01175
Std Dev 1.04
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

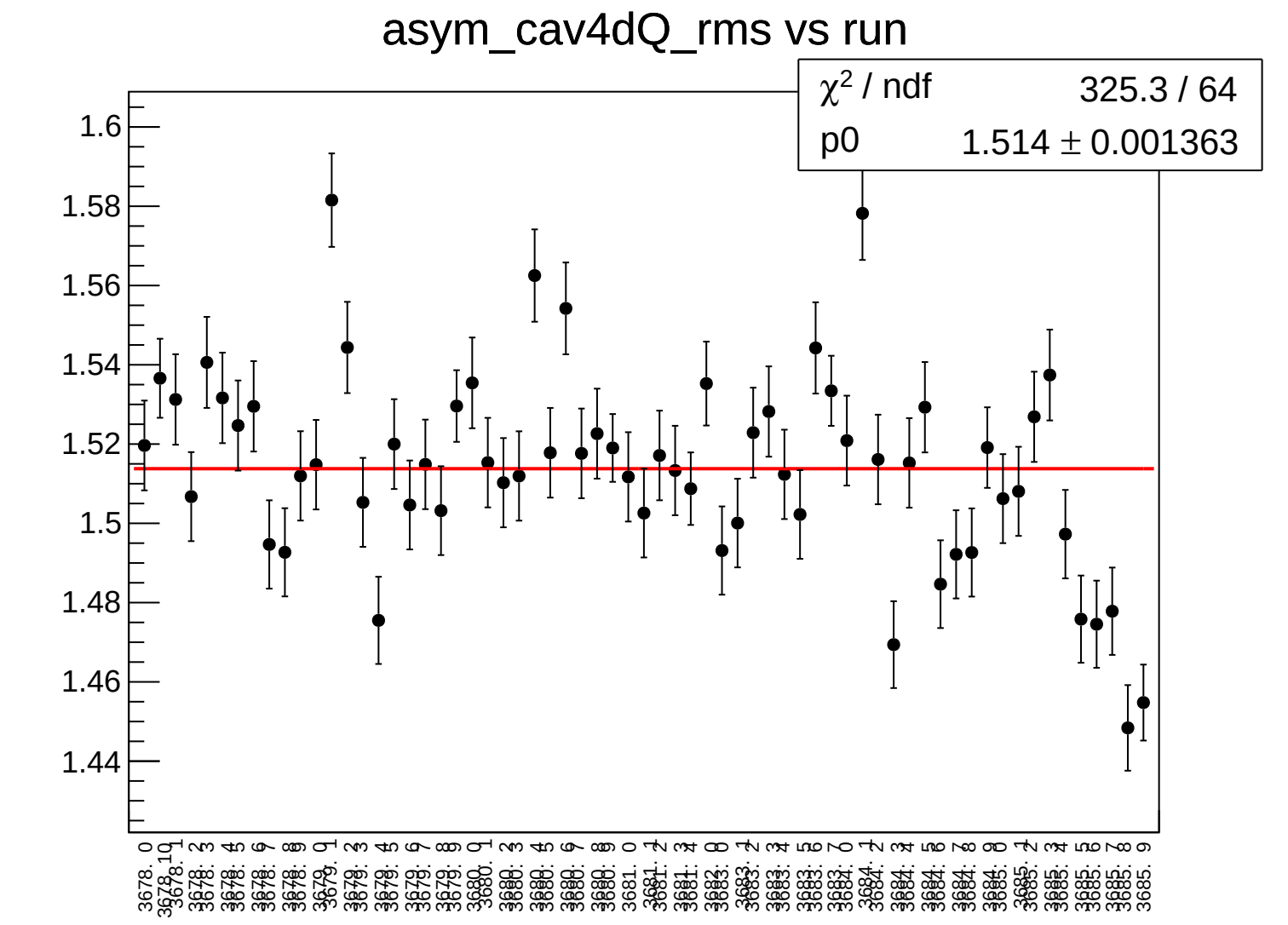

asym_cav4bQ_rms vs run
χ² / ndf 1768 / 64
p0 2.704 ± 0.002436
2.9
2.8
2.7
2.6
2.5
2.4

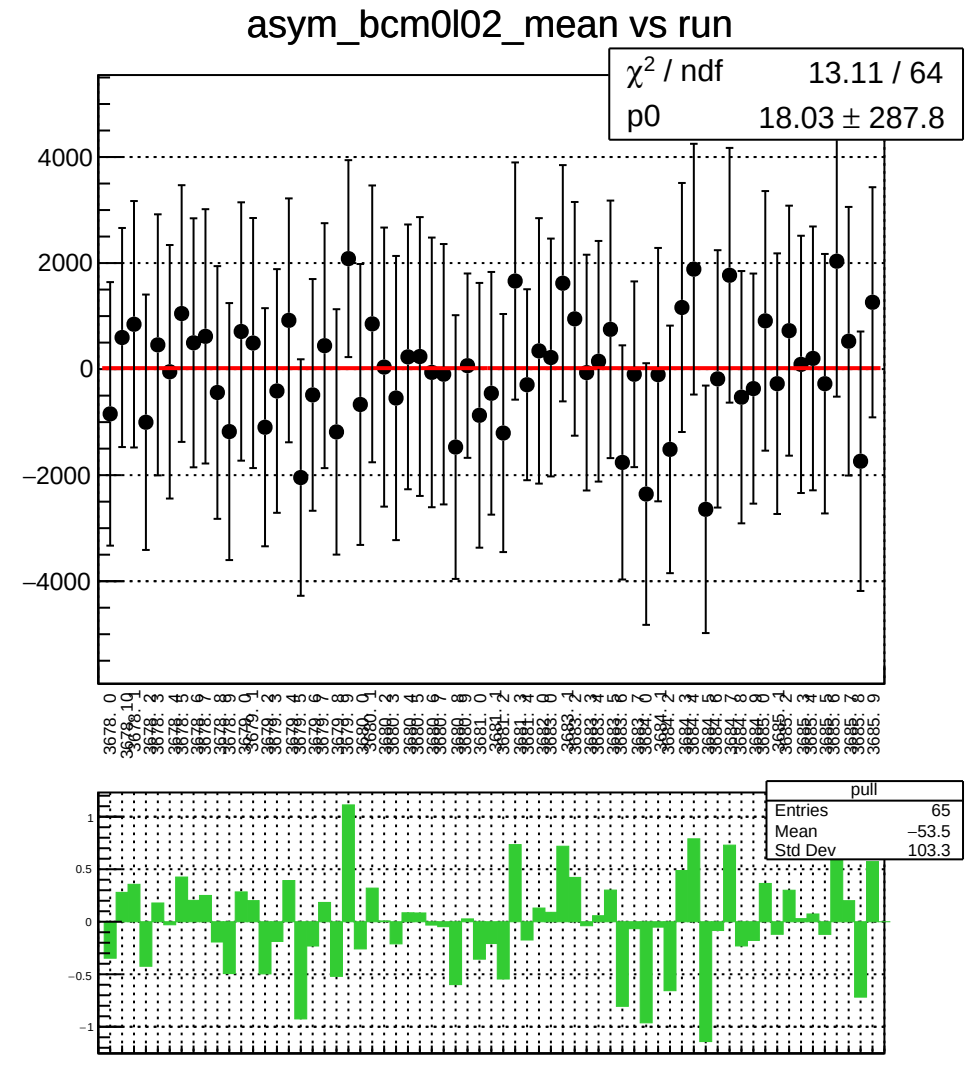

asym_cav4cQ_mean vs run
χ² / ndf 8.939 / 64
p0 67.87 ± 306.6
4000
2000
0
−2000
−4000
pull
Entries 65
Mean −19.68
Std Dev 52.93
pull1D
Entries 65
Mean 0.003176
Std Dev 0.3708
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

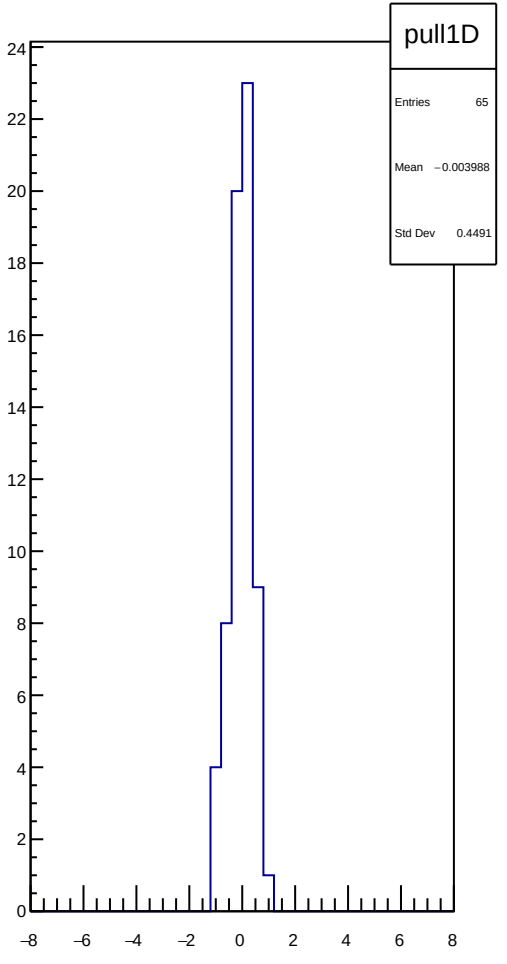

asym_cav4cQ_rms vs run
χ² / ndf 3813 / 64
p0 240.4 ± 0.2168
290
280
270
260
250
240
230
220
210

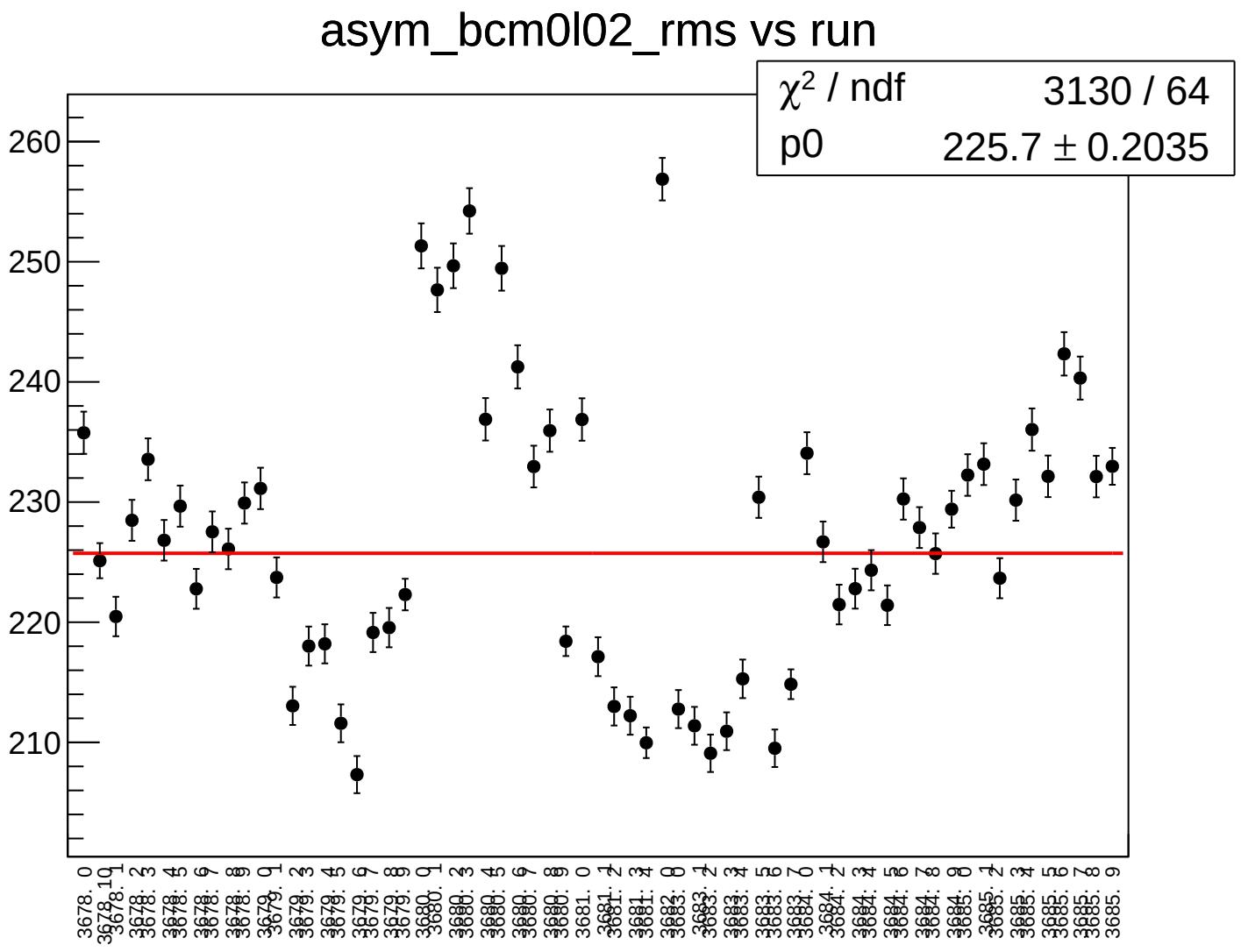

asym_cav4dQ_mean vs run
χ² / ndf 55.52 / 64
p0 −0.2823 ± 1.928
pull
Entries 65
Mean 344.9
Std Dev 301.8

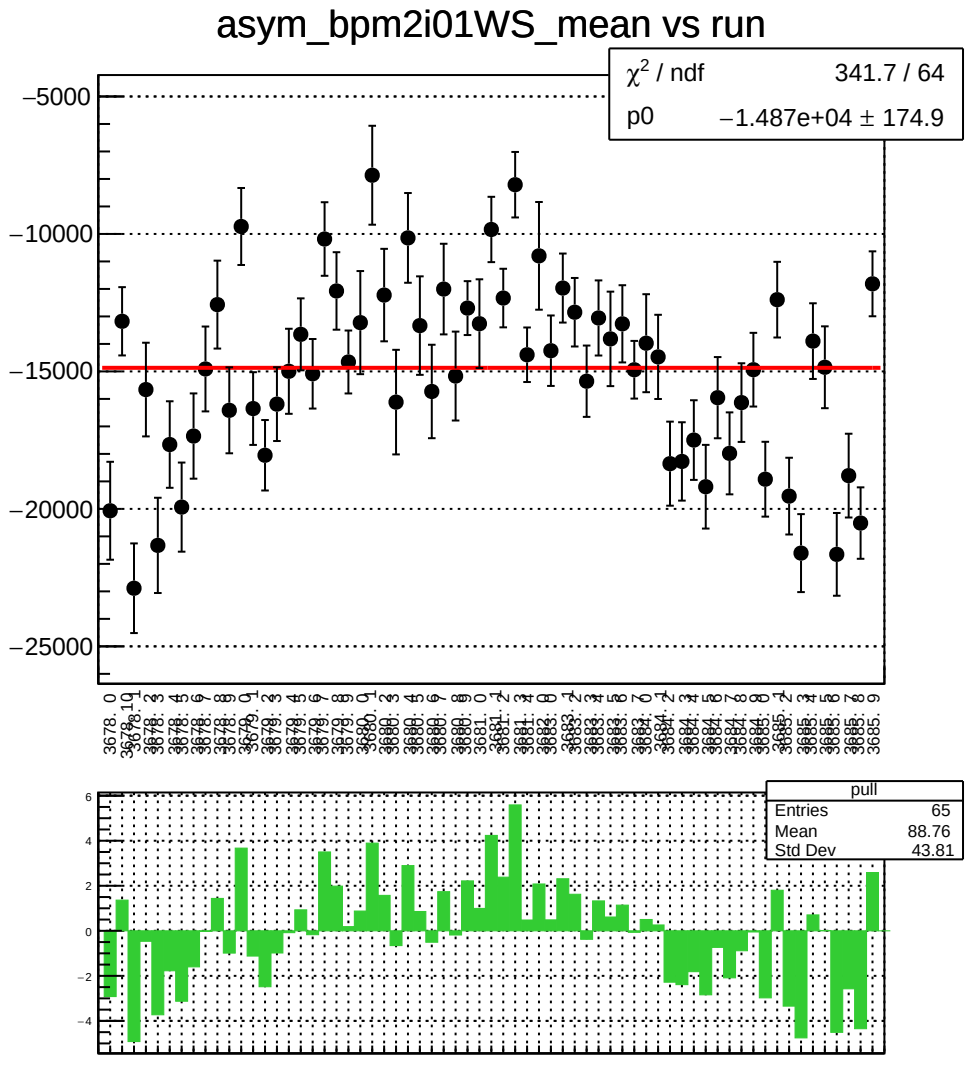

pull1D
Entries 65
Mean −0.003454
Std Dev 0.9242

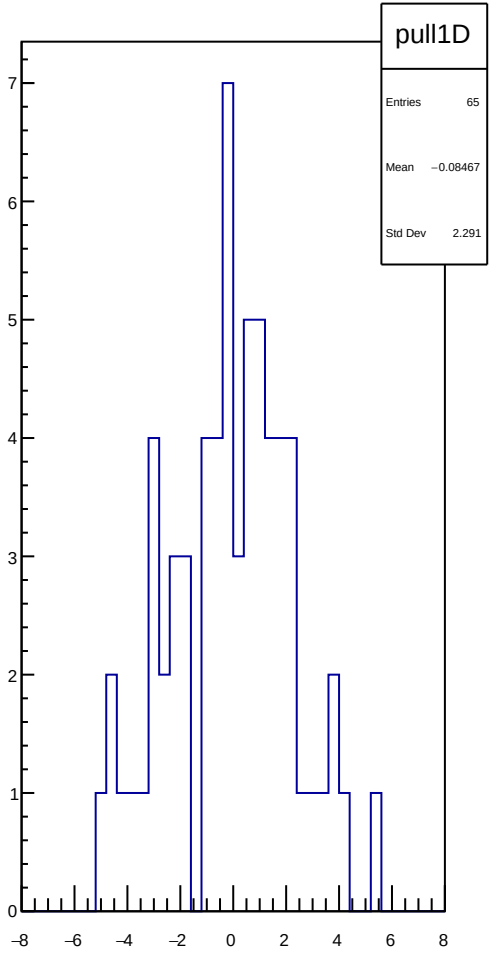

asym_cav4dQ_rms vs run
χ² / ndf 325.3 / 64
p0 1.514 ± 0.001363
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44

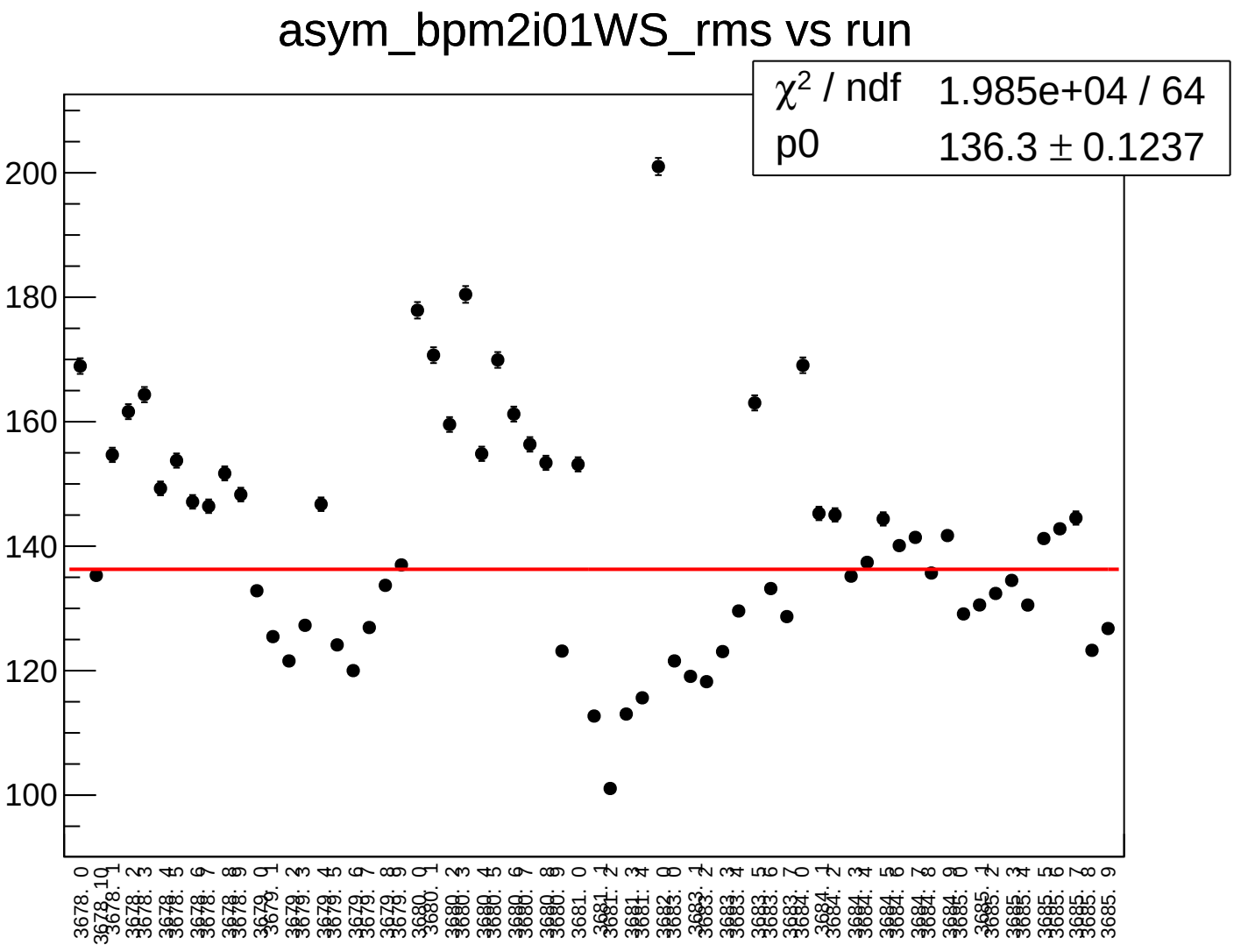

asym_bcm0l02_mean vs run
χ² / ndf 13.11 / 64
p0 18.03 ± 287.8
4000
2000
0
−2000
−4000
pull
Entries 65
Mean −53.5
Std Dev 103.3
1
0.5
0
−0.5
−1

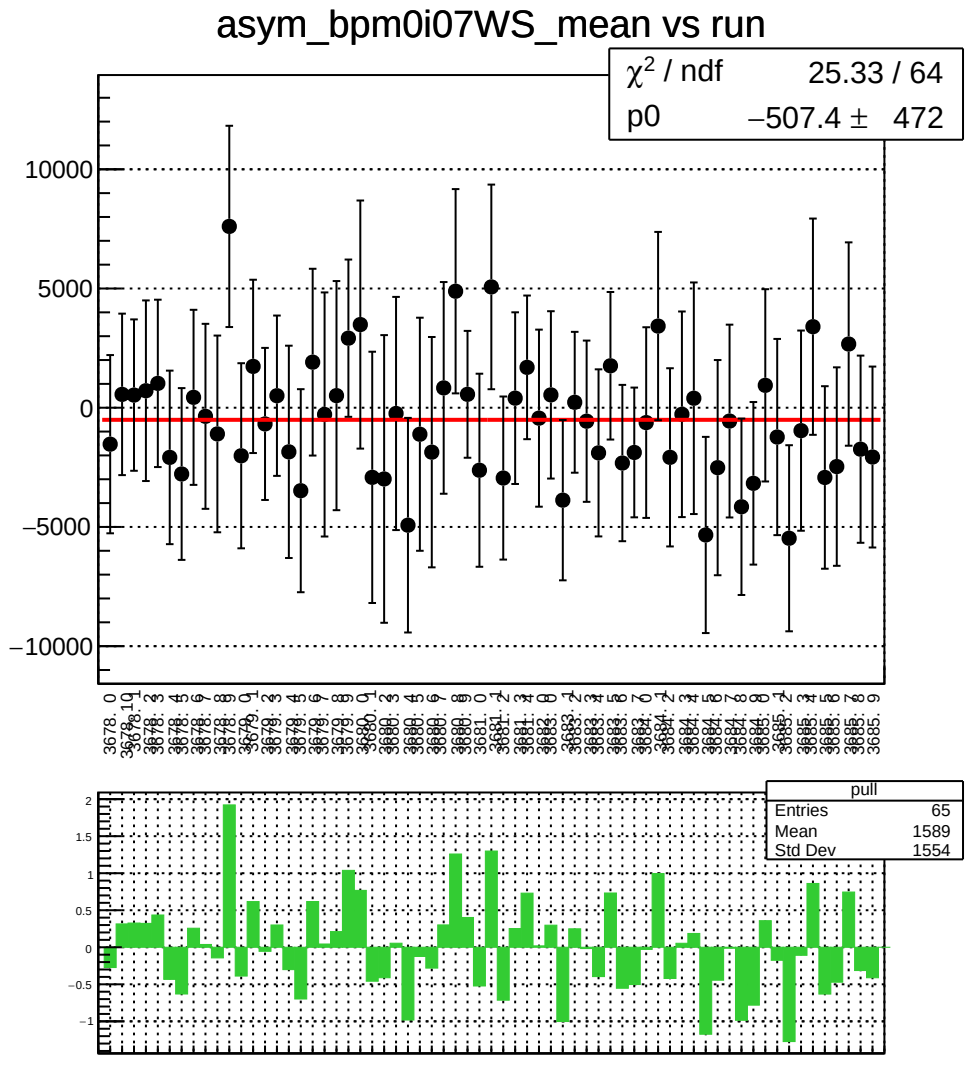

pull1D
Entries 65
Mean −0.003988
Std Dev 0.4491
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

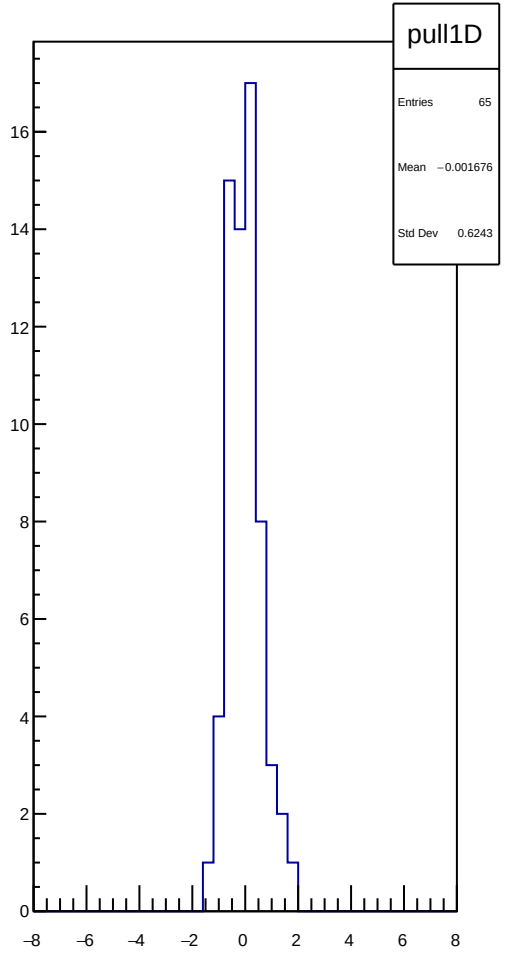

asym_bcm0l02_rms vs run
χ² / ndf 3130 / 64
p0 225.7 ± 0.2035
260
250
240
230
220
210

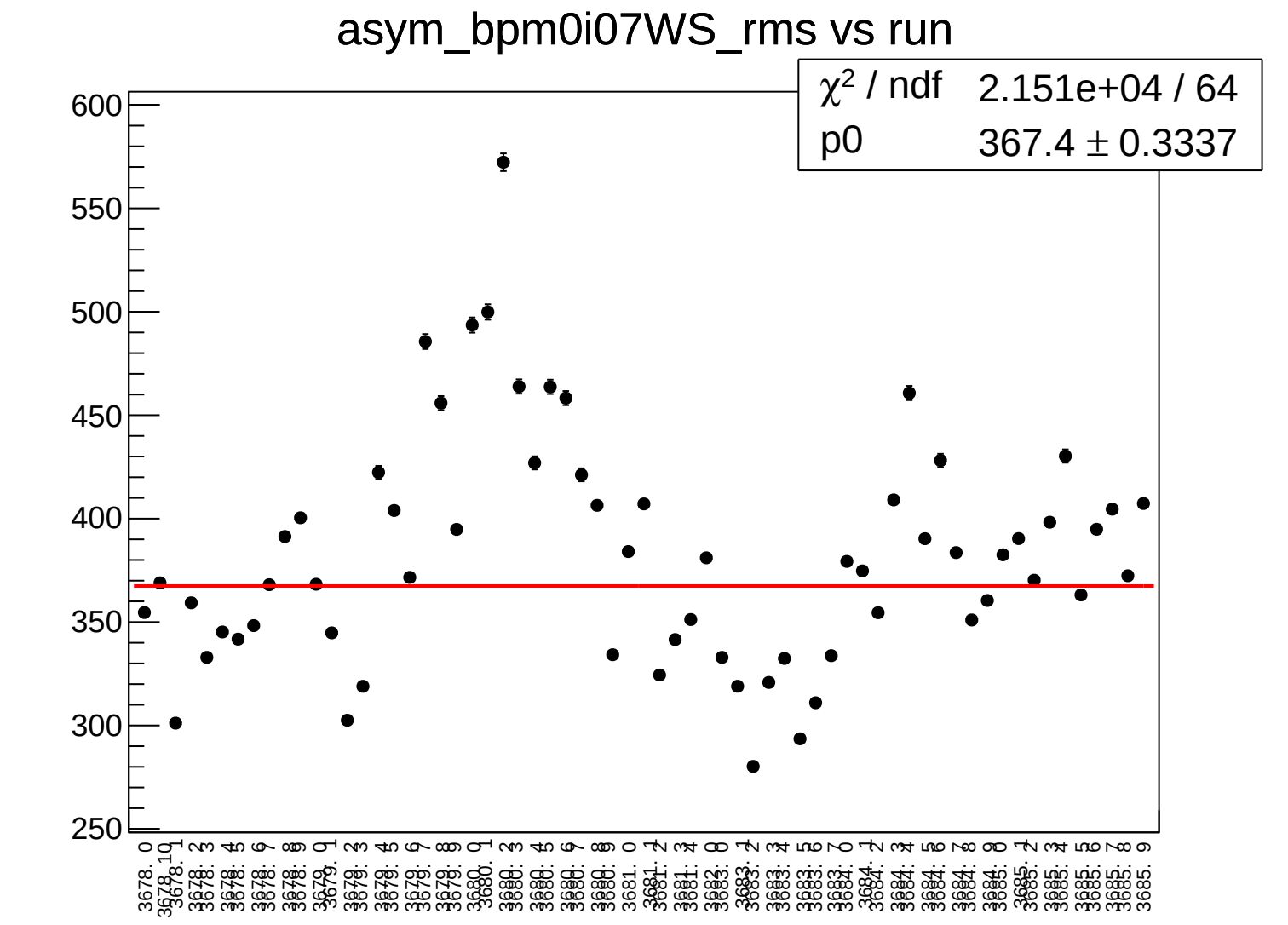

asym_bpm2i01WS_mean vs run
χ² / ndf 341.7 / 64
p0 −1.487e+04 ± 174.9
−5000
−10000
−15000
−20000
−25000
pull
Entries 65
Mean 88.76
Std Dev 43.81
6
4
2
0
−2
−4

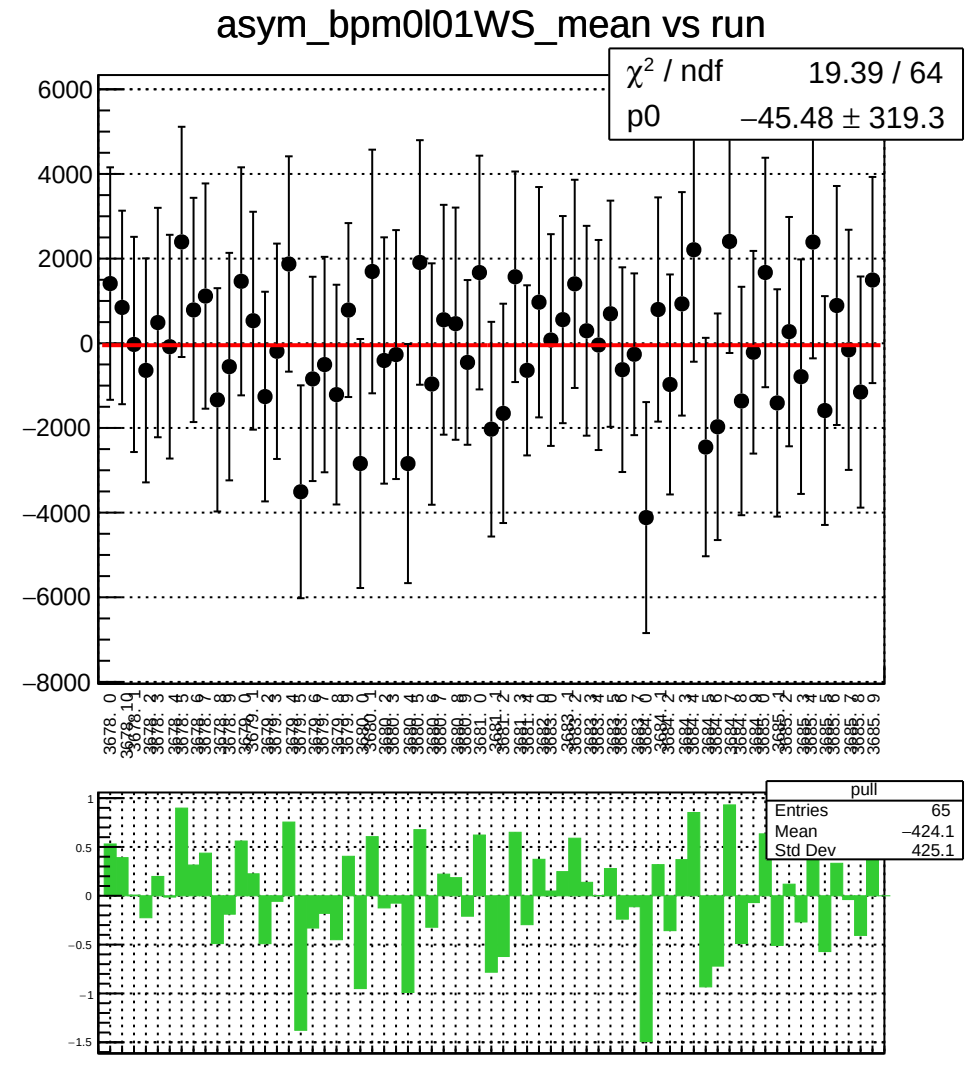

pull1D
Entries 65
Mean −0.08467
Std Dev 2.291
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

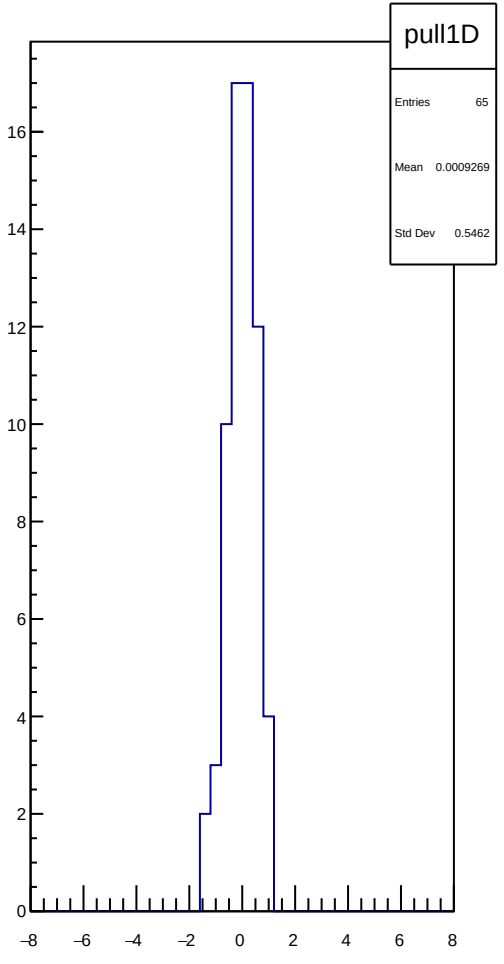

asym_bpm2i01WS_rms vs run
χ² / ndf 1.985e+04 / 64
p0 136.3 ± 0.1237
200
180
160
140
120
100

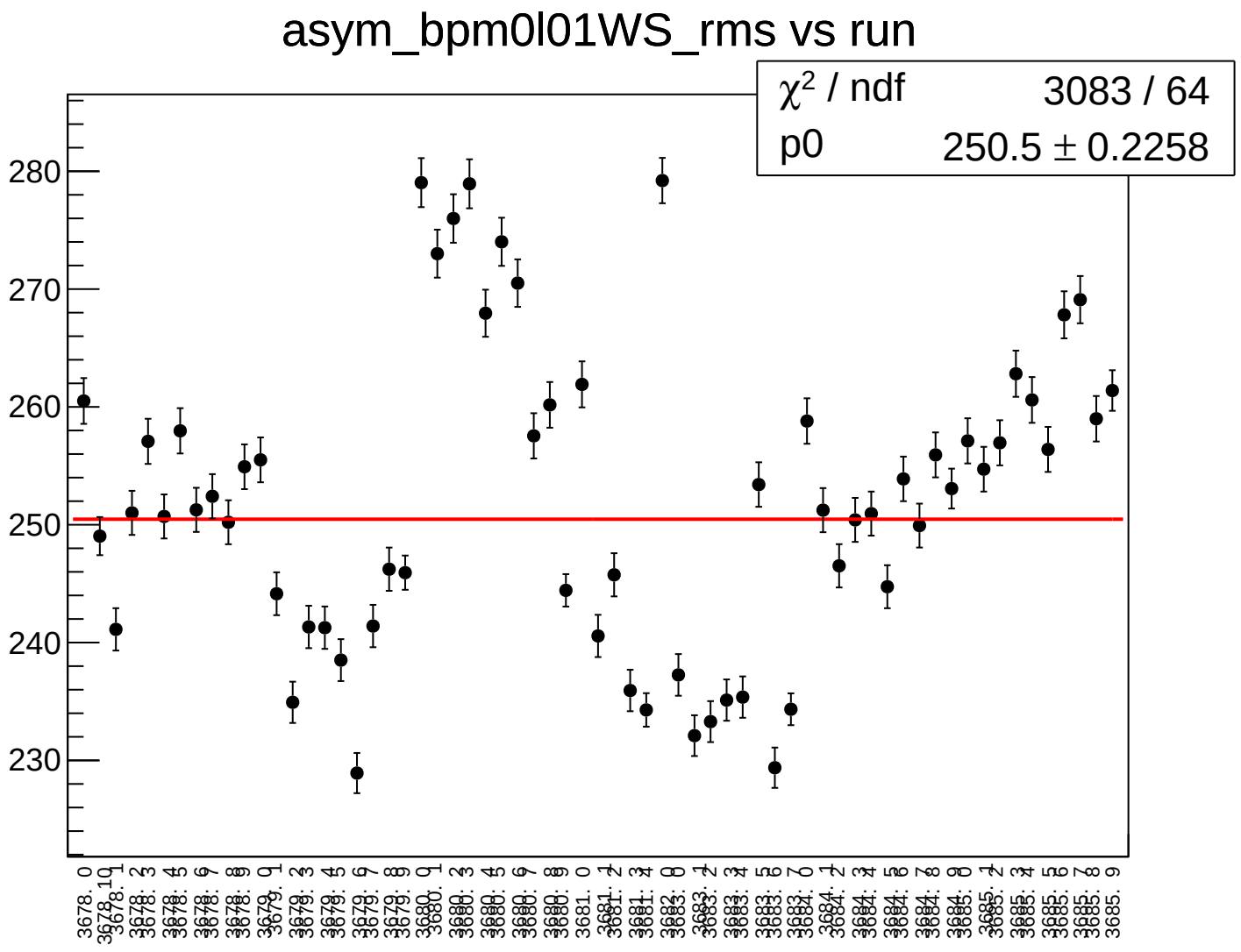

asym_bpm0i07WS_mean vs run
χ² / ndf 25.33 / 64
p0 −507.4 ± 472
10000
5000
0
−5000
−10000
pull
Entries 65
Mean 1589
Std Dev 1554
2
1.5
1
0.5
0
−0.5
−1

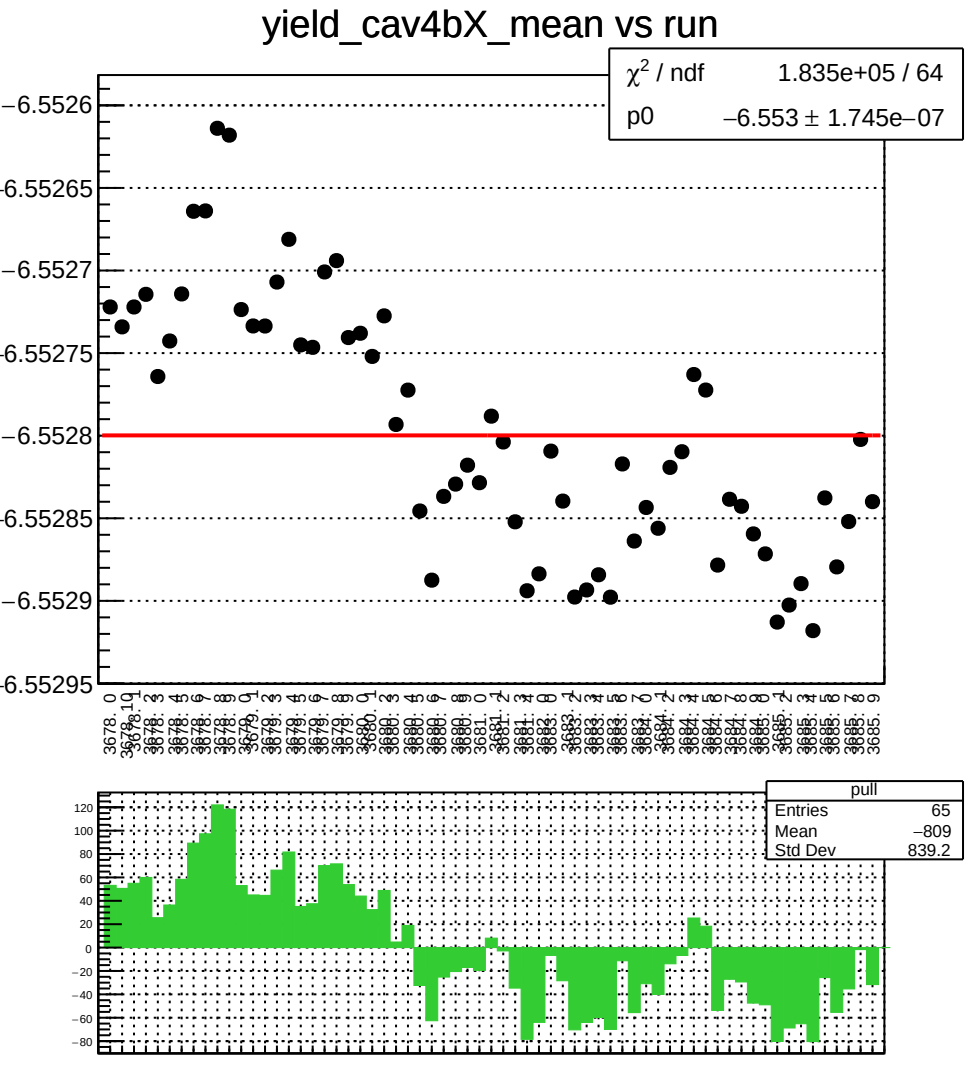

pull1D
Entries 65
Mean −0.001676
Std Dev 0.6243
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

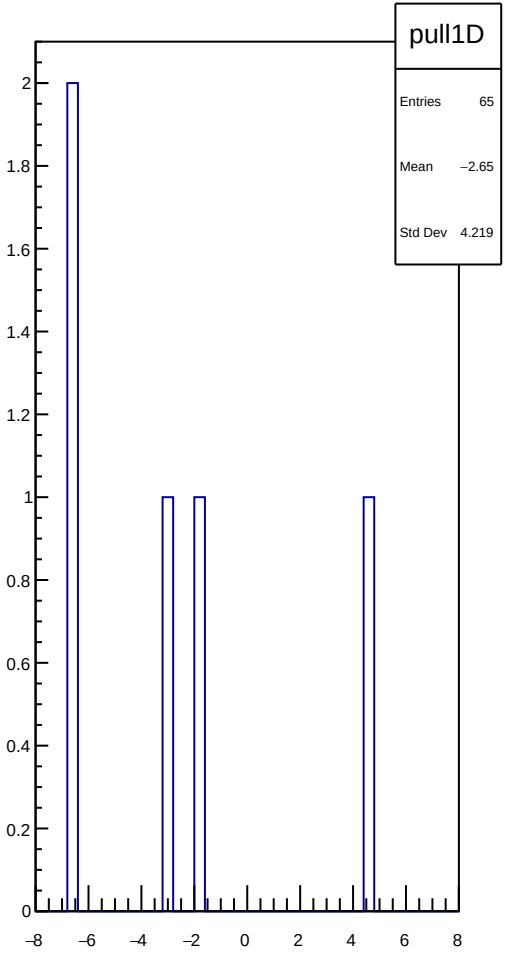

asym_bpm0i07WS_rms vs run
χ² / ndf 2.151e+04 / 64
p0 367.4 ± 0.3337
600
550
500
450
400
350
300
250

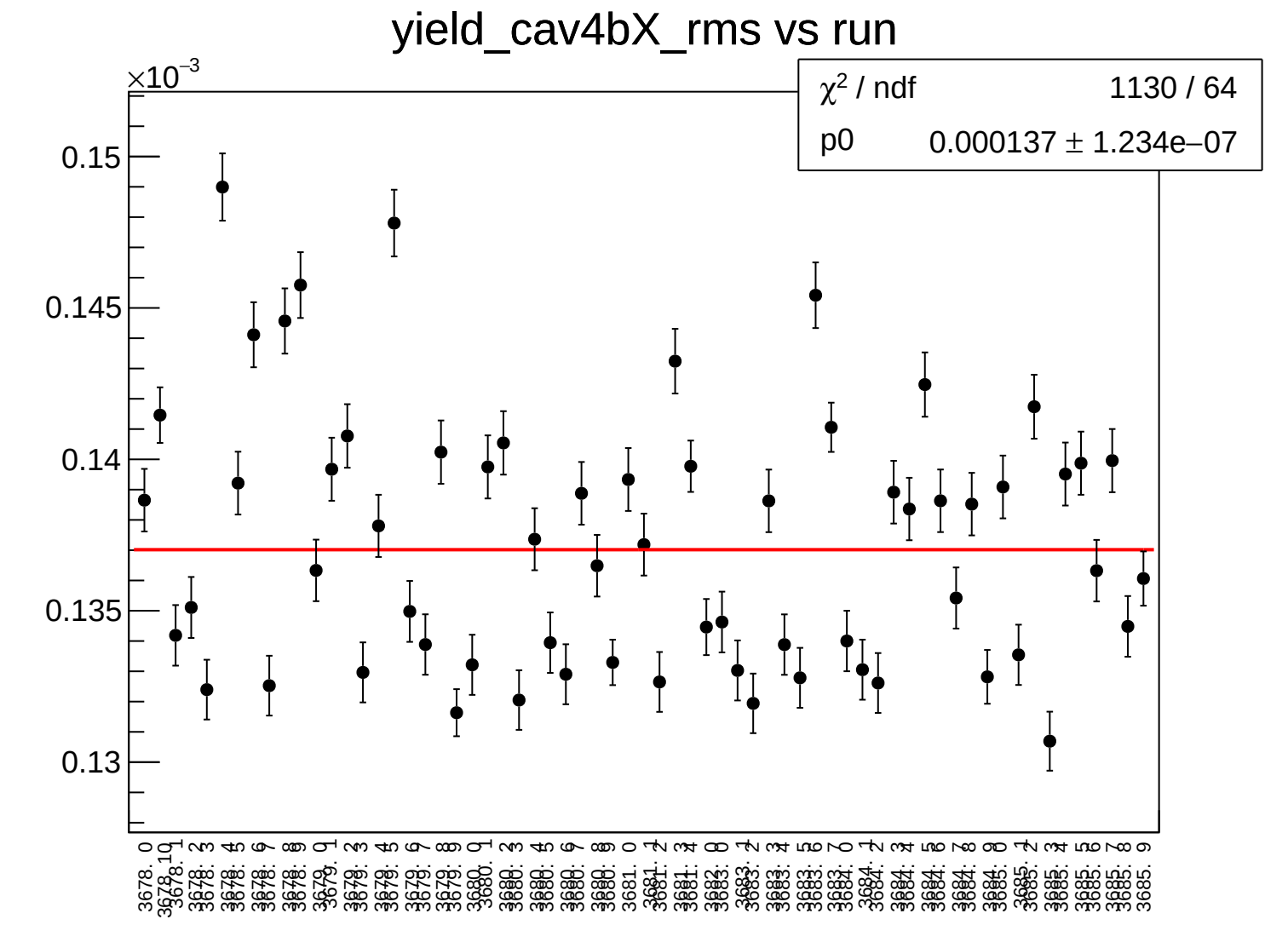

asym_bpm0l01WS_mean vs run
χ² / ndf 19.39 / 64
p0 −45.48 ± 319.3
pull
Entries 65
Mean −424.1
Std Dev 425.1

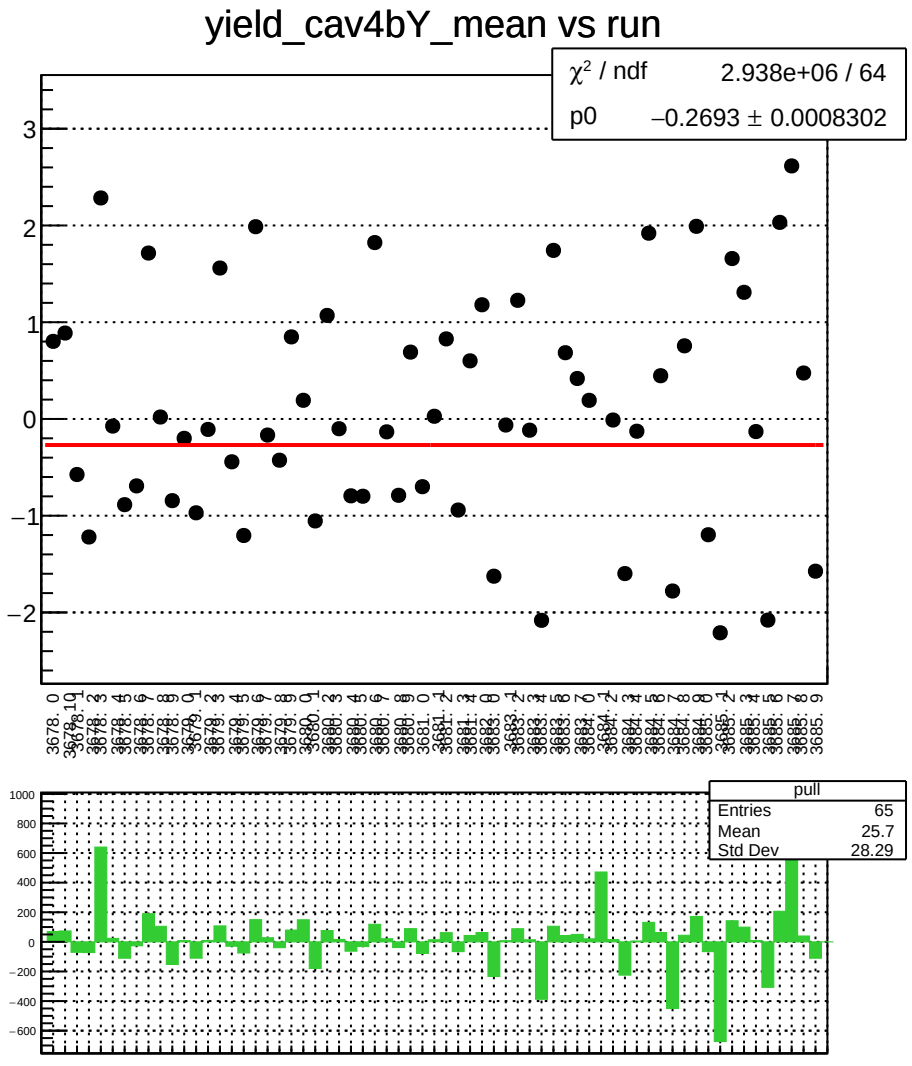

pull1D
Entries 65
Mean 0.0009269
Std Dev 0.5462

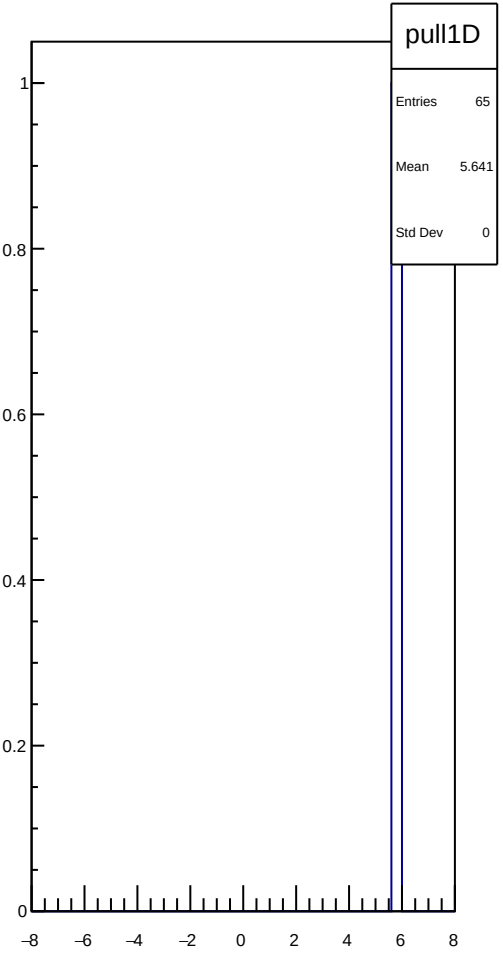

asym_bpm0l01WS_rms vs run
χ² / ndf 3083 / 64
p0 250.5 ± 0.2258
280
270
260
250
240
230

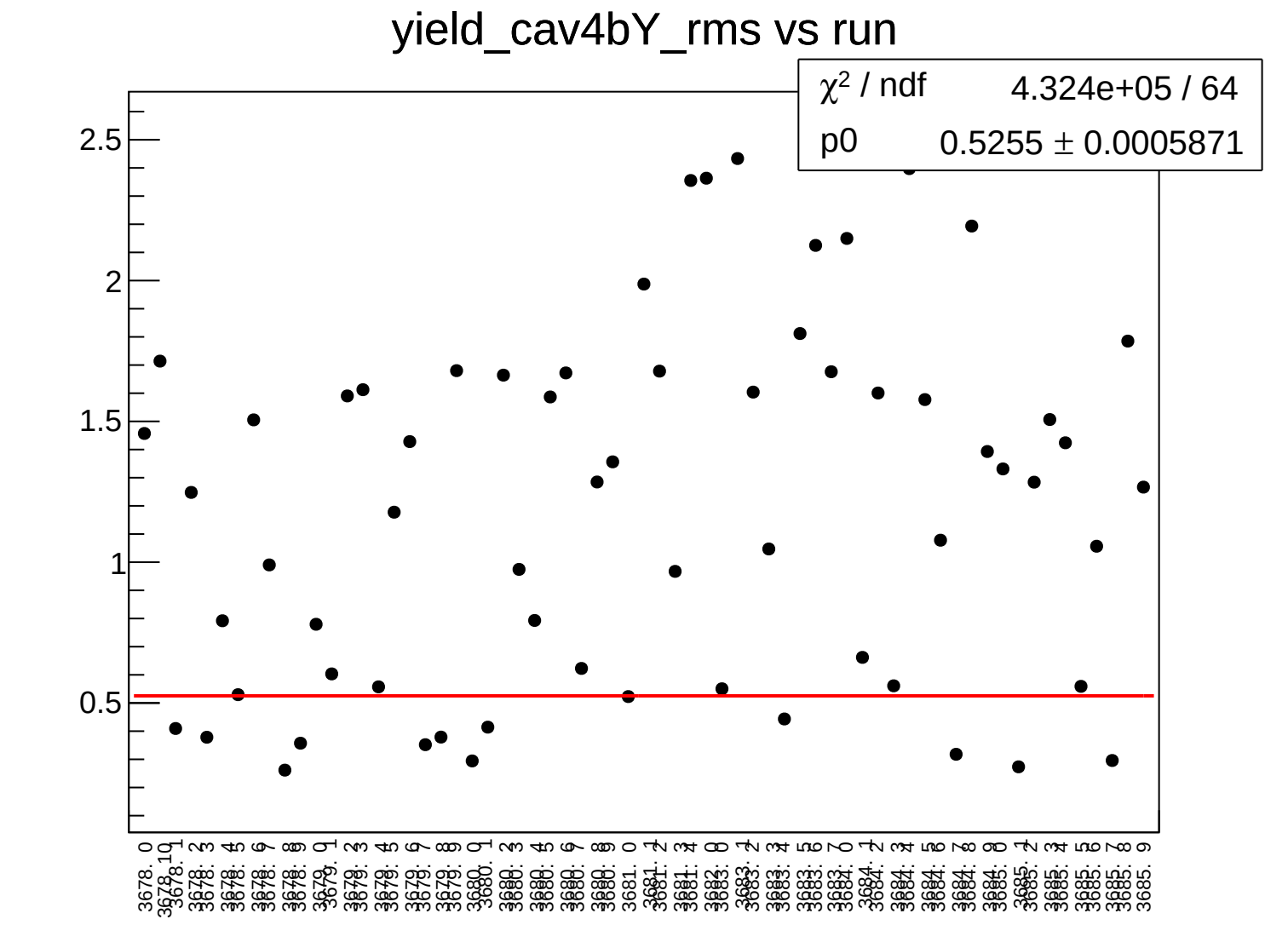

yield_cav4bX_mean vs run
χ² / ndf 1.835e+05 / 64
p0 −6.553 ± 1.745e−07
−6.5526
−6.55265
−6.5527
−6.55275
−6.5528
−6.55285
−6.5529
−6.55295
pull
Entries 65
Mean −809
Std Dev 839.2
120
100
80
60
40
20
0
−20
−40
−60
−80

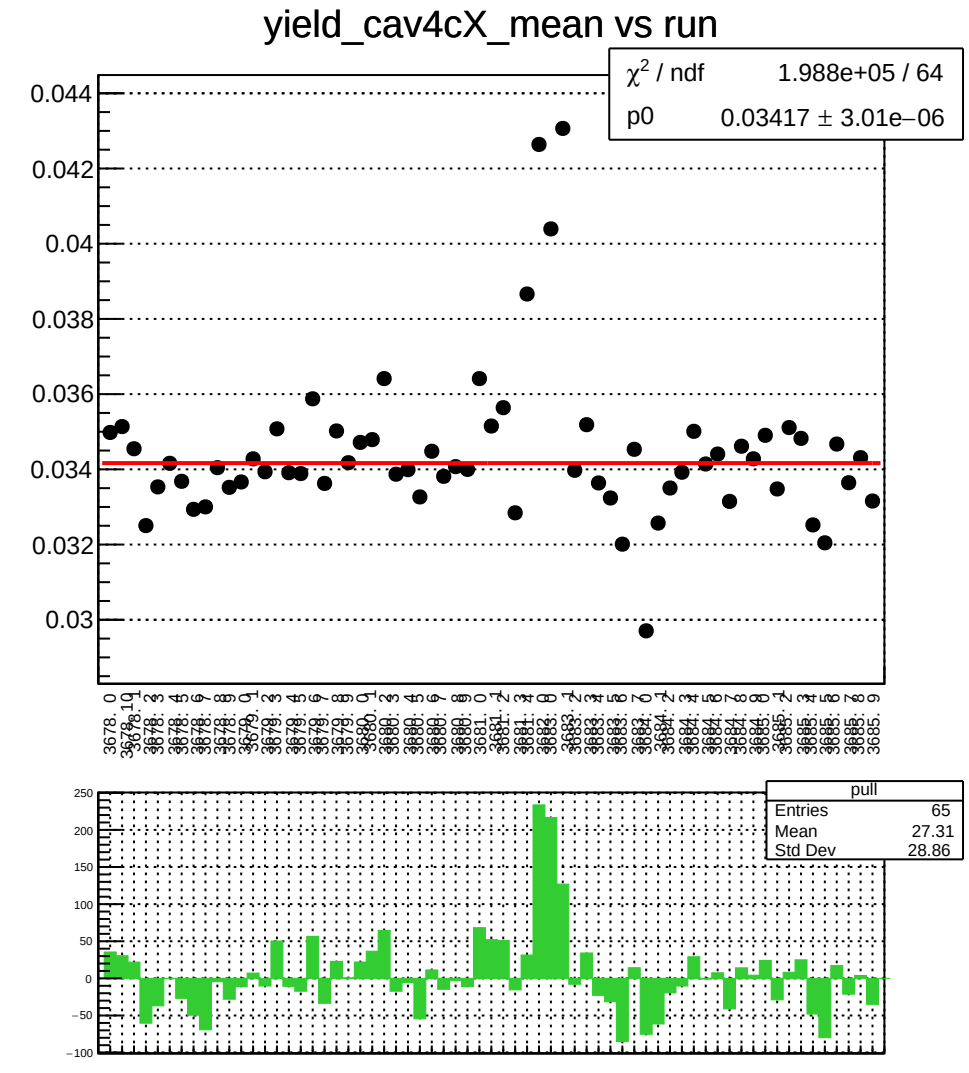

pull1D
Entries 65
Mean −2.65
Std Dev 4.219
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

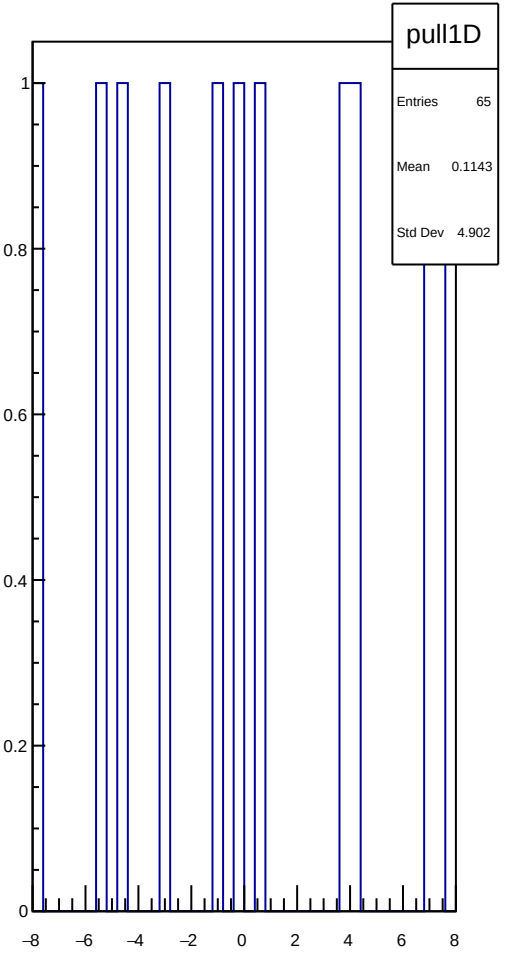

yield_cav4bX_rms vs run
×10⁻³
χ² / ndf 1130 / 64
p0 0.000137 ± 1.234e−07
0.15
0.145
0.14
0.135
0.13

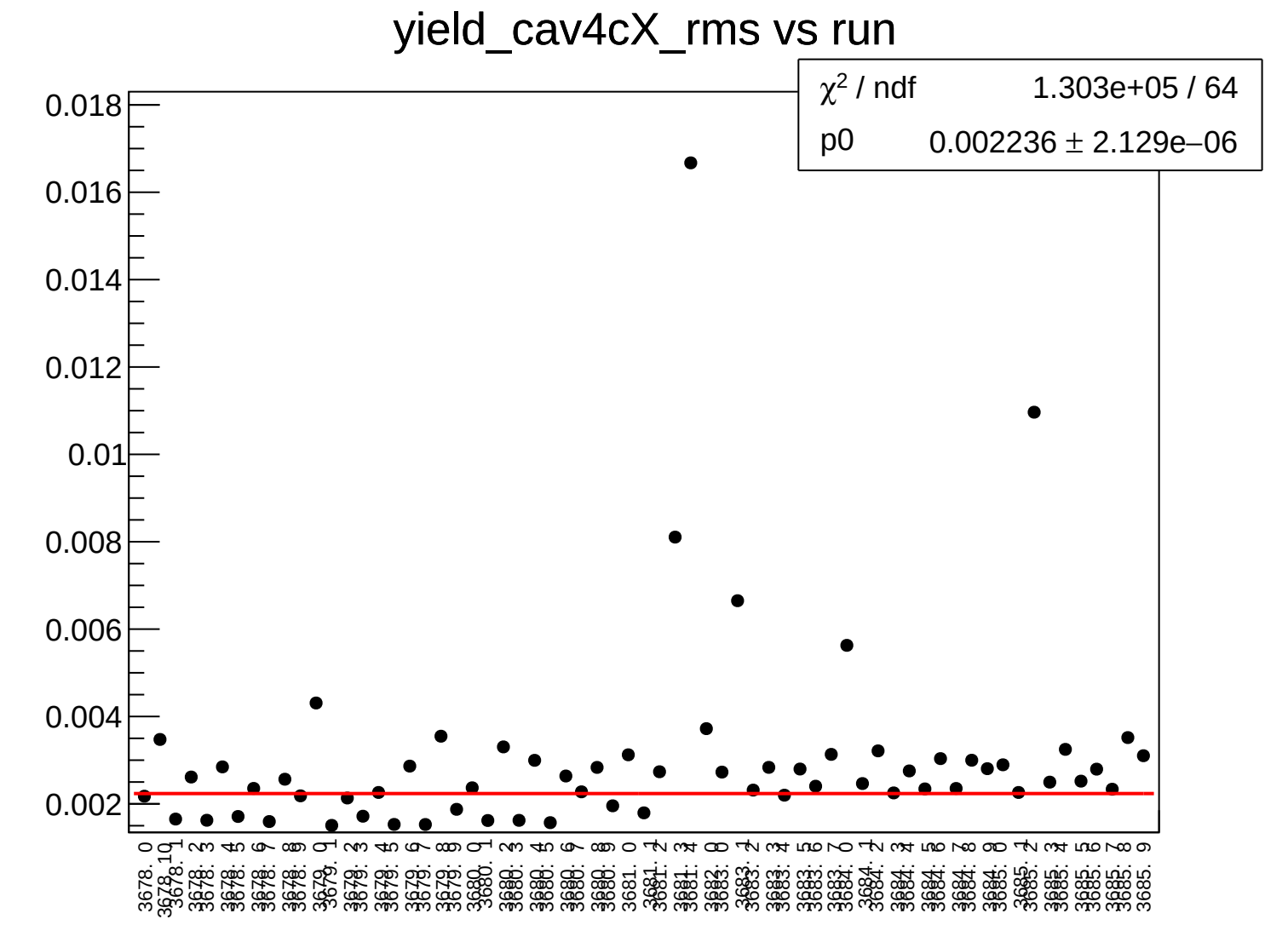

yield_cav4bY_mean vs run
χ² / ndf 2.938e+06 / 64
p0 −0.2693 ± 0.0008302
pull
Entries 65
Mean 25.7
Std Dev 28.29

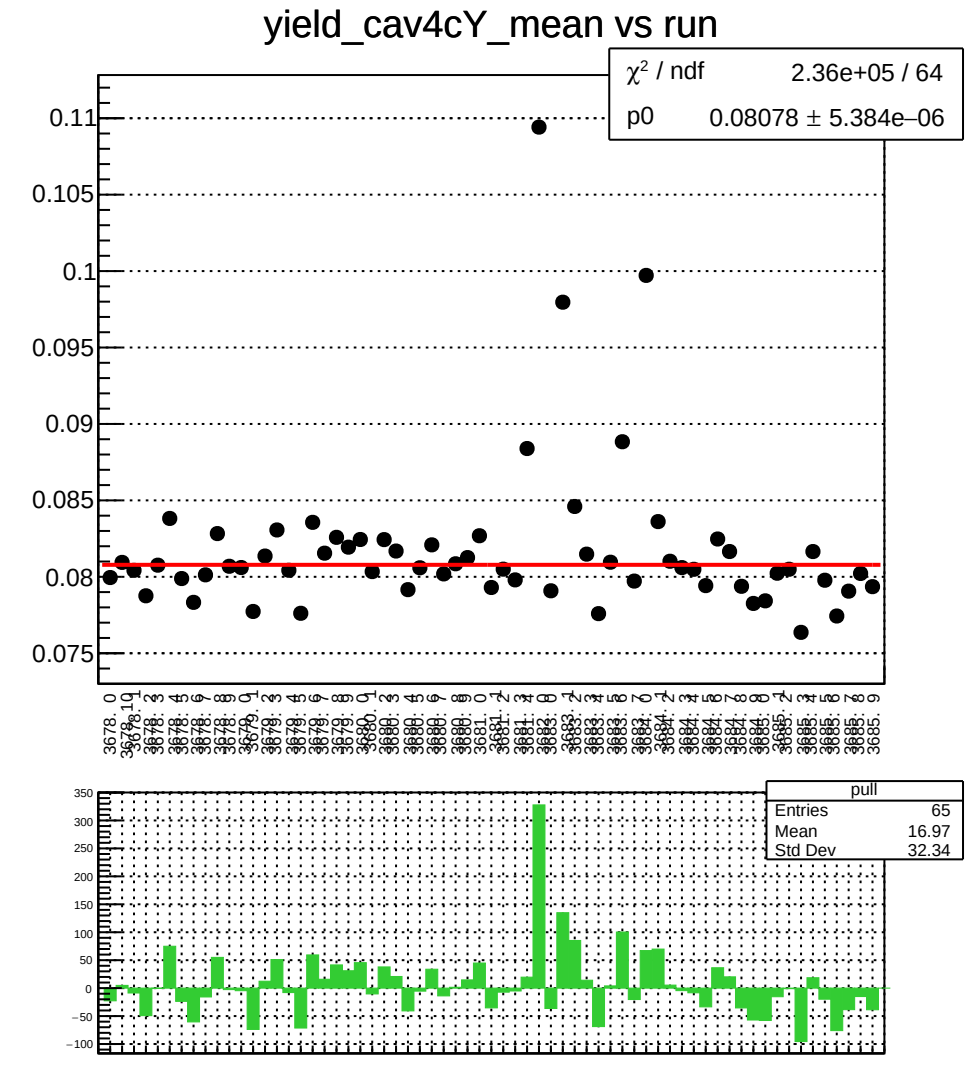

pull1D
Entries 65
Mean 5.641
Std Dev 0

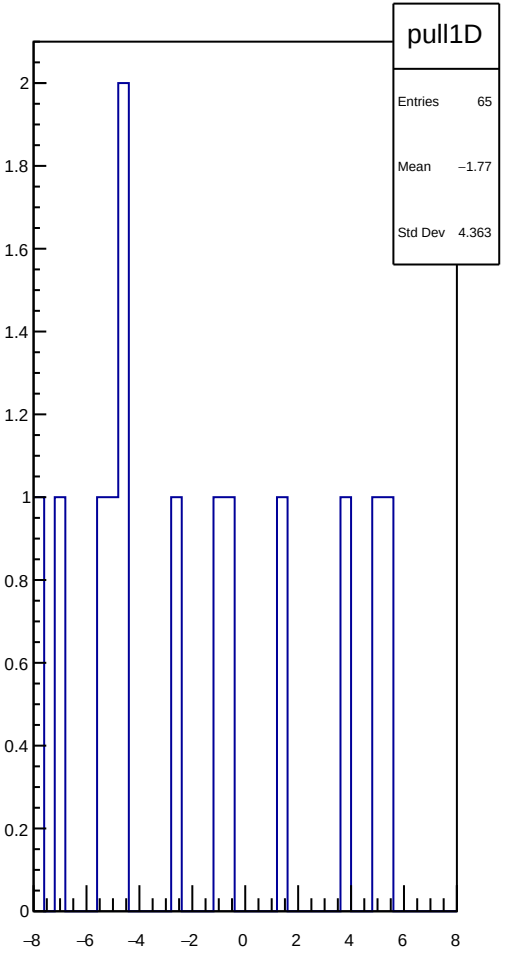

yield_cav4bY_rms vs run
χ² / ndf 4.324e+05 / 64
p0 0.5255 ± 0.0005871
2.5
2
1.5
1
0.5

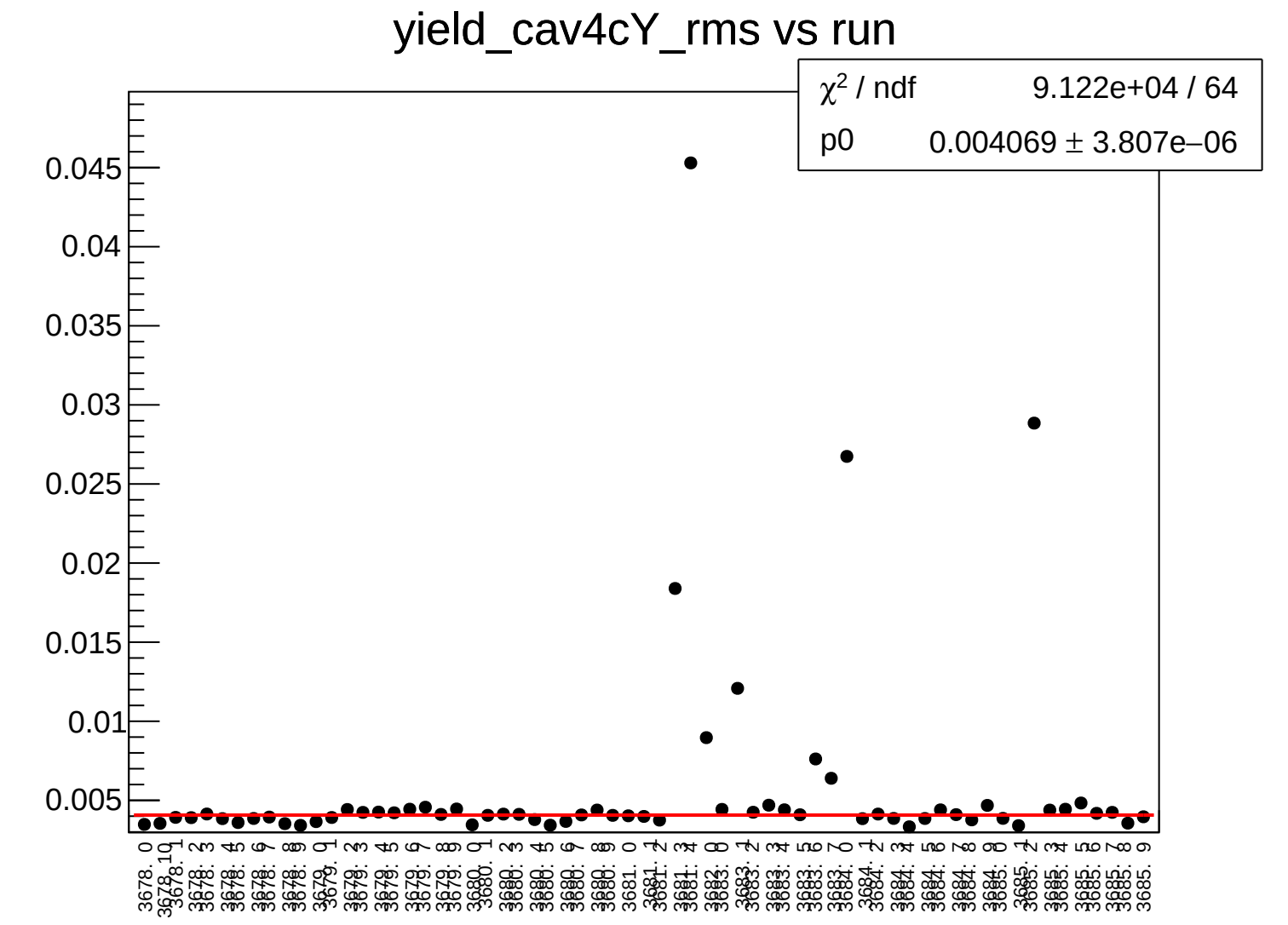

yield_cav4cX_mean vs run
χ² / ndf 1.988e+05 / 64
p0 0.03417 ± 3.01e−06
0.044
0.042
0.04
0.038
0.036
0.034
0.032
0.03
pull
Entries 65
Mean 27.31
Std Dev 28.86
250
200
150
100
50
0
−50
−100

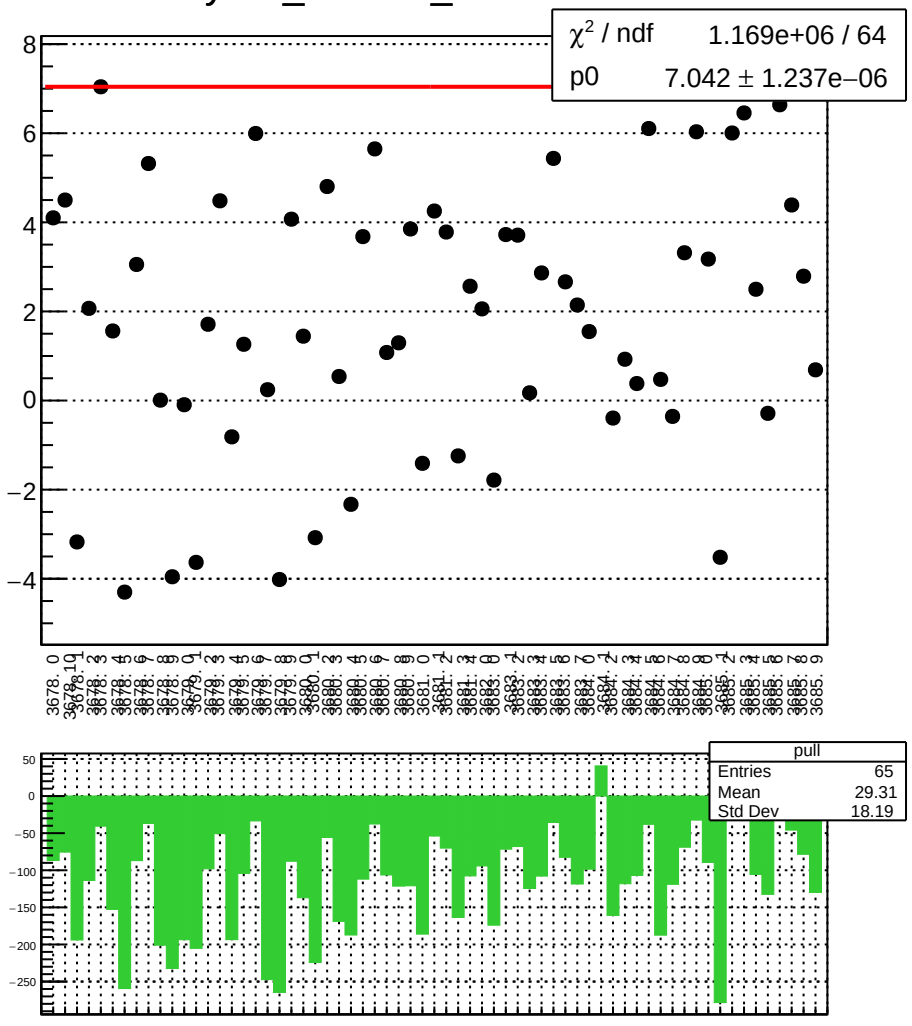

pull1D
Entries 65
Mean 0.1143
Std Dev 4.902
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

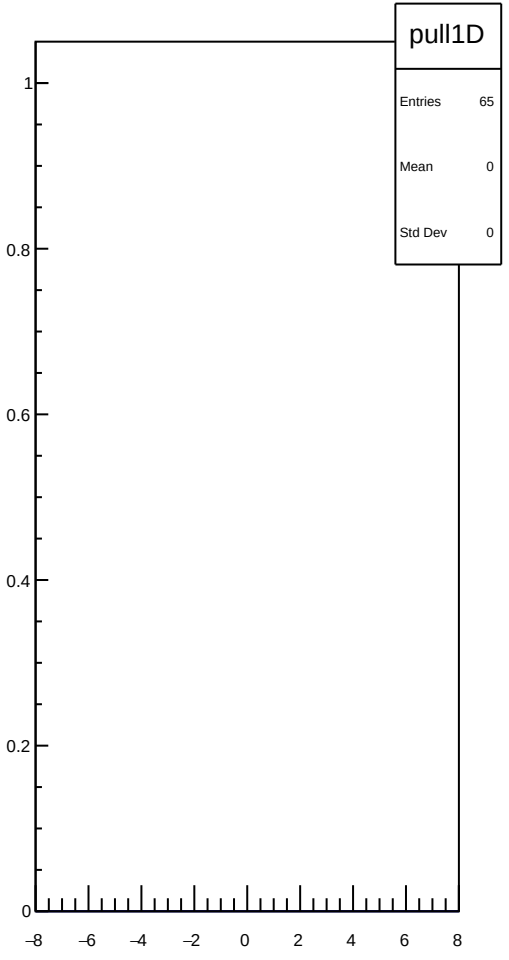

yield_cav4cX_rms vs run
χ² / ndf 1.303e+05 / 64
p0 0.002236 ± 2.129e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

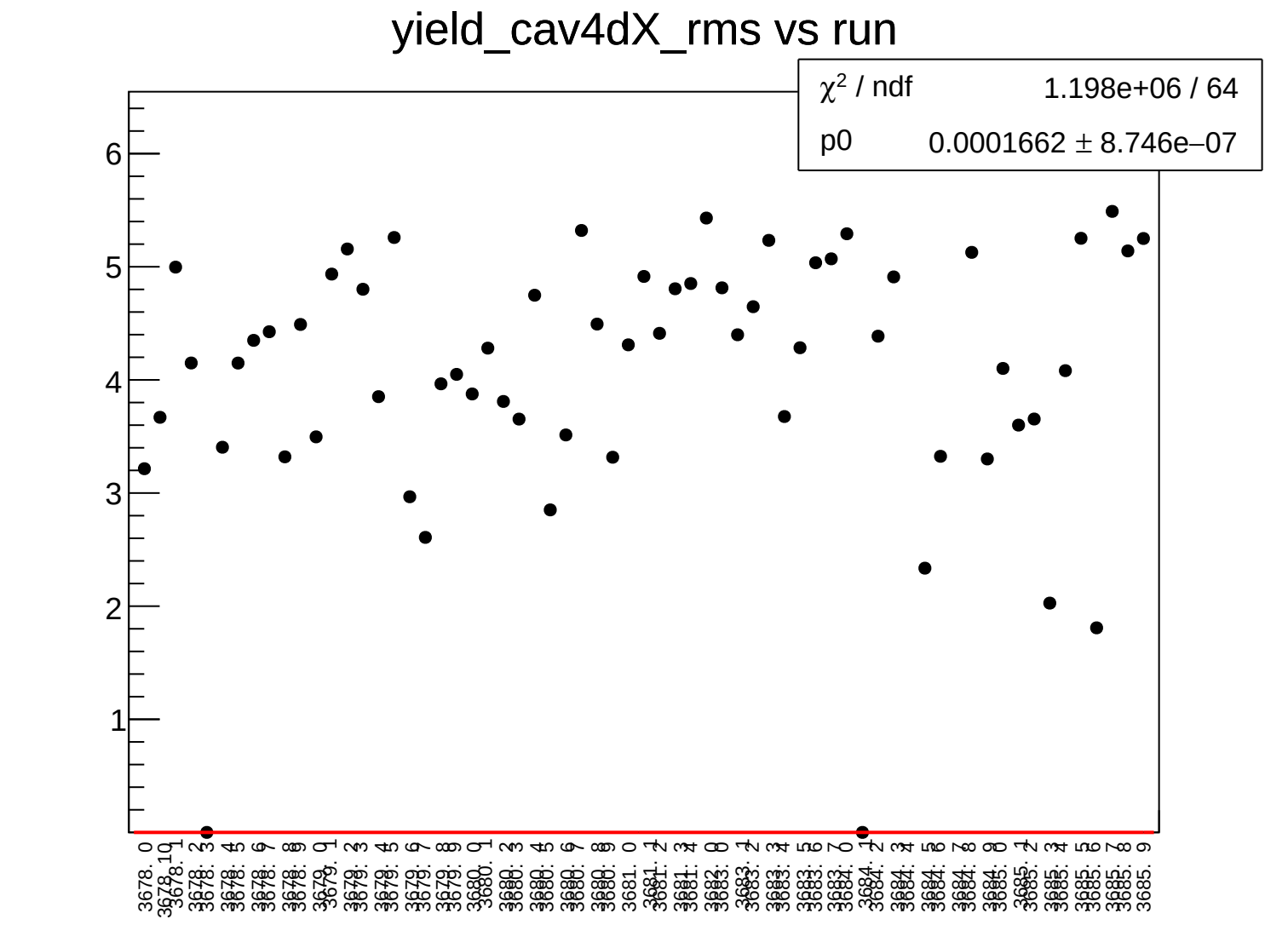

yield_cav4cY_mean vs run
χ² / ndf 2.36e+05 / 64
p0 0.08078 ± 5.384e−06
pull
Entries 65
Mean 16.97
Std Dev 32.34

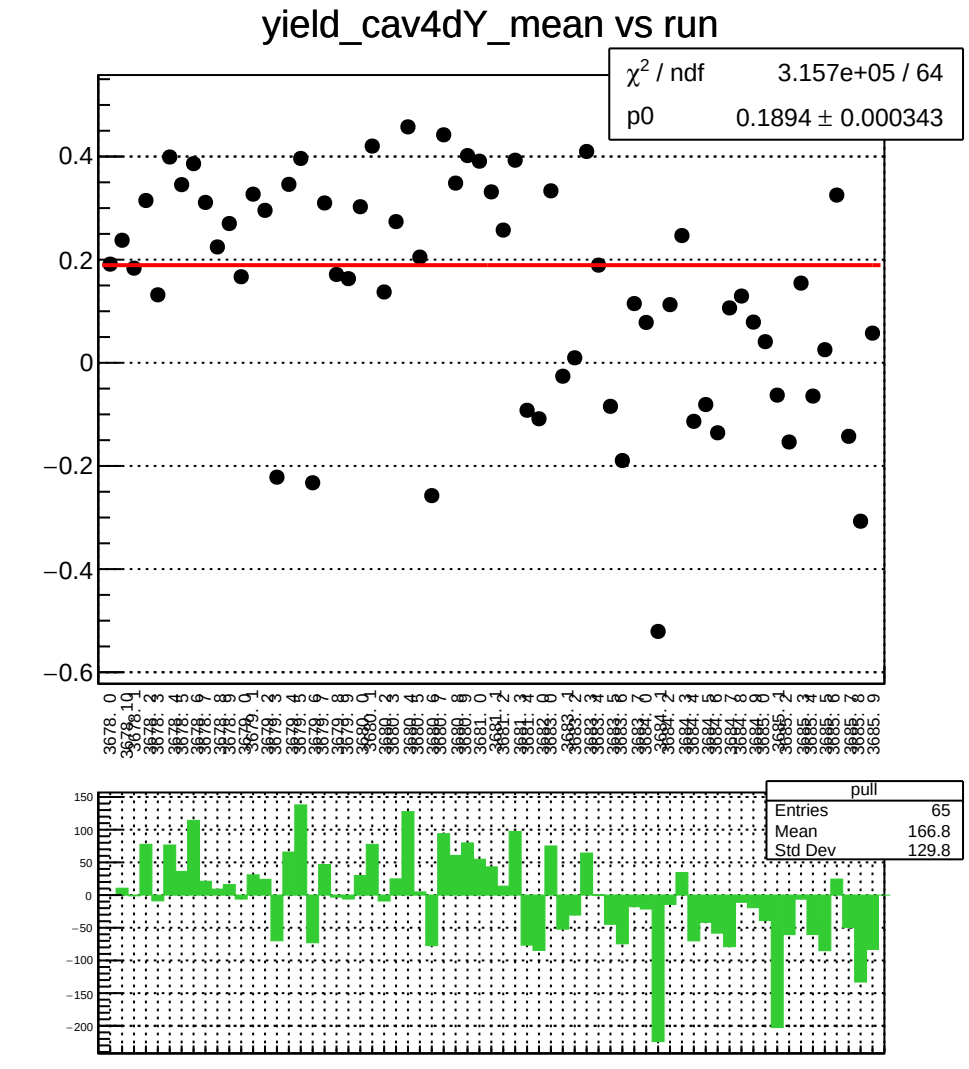

pull1D
Entries 65
Mean −1.77
Std Dev 4.363

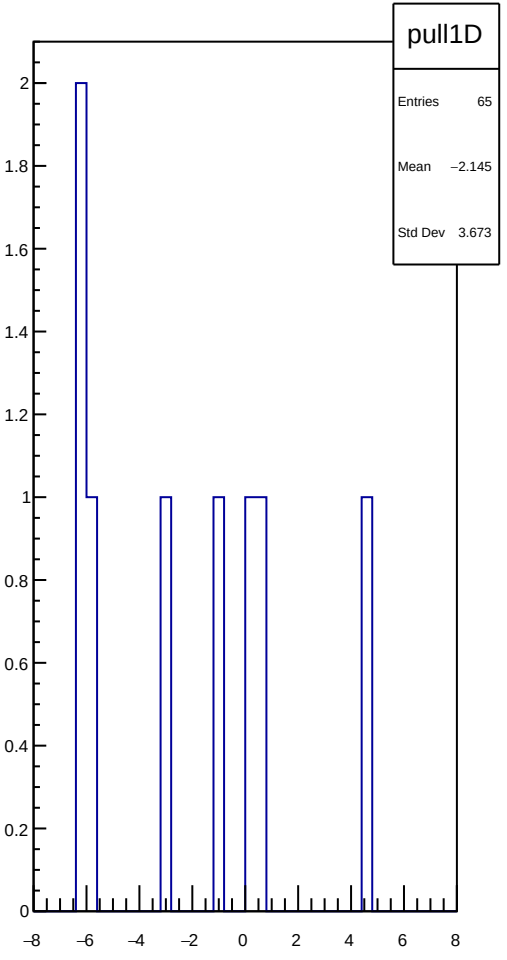

yield_cav4cY_rms vs run
χ^2 / ndf 9.122e+04 / 64
p0 0.004069 ± 3.807e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

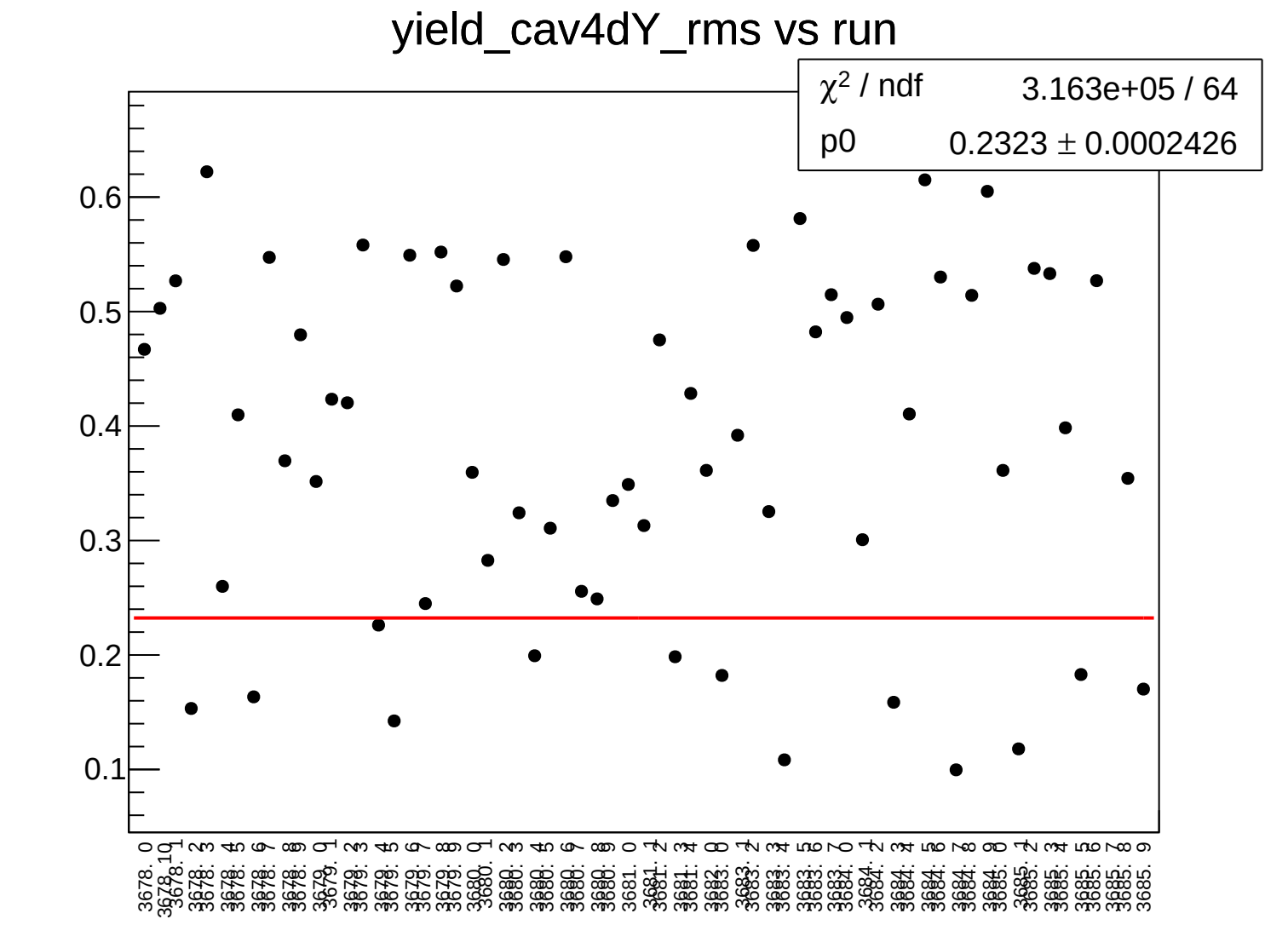

yield_cav4dX_mean vs run
χ² / ndf 1.169e+06 / 64
p0 7.042 ± 1.237e−06
pull
Entries 65
Mean 29.31
Std Dev 18.19

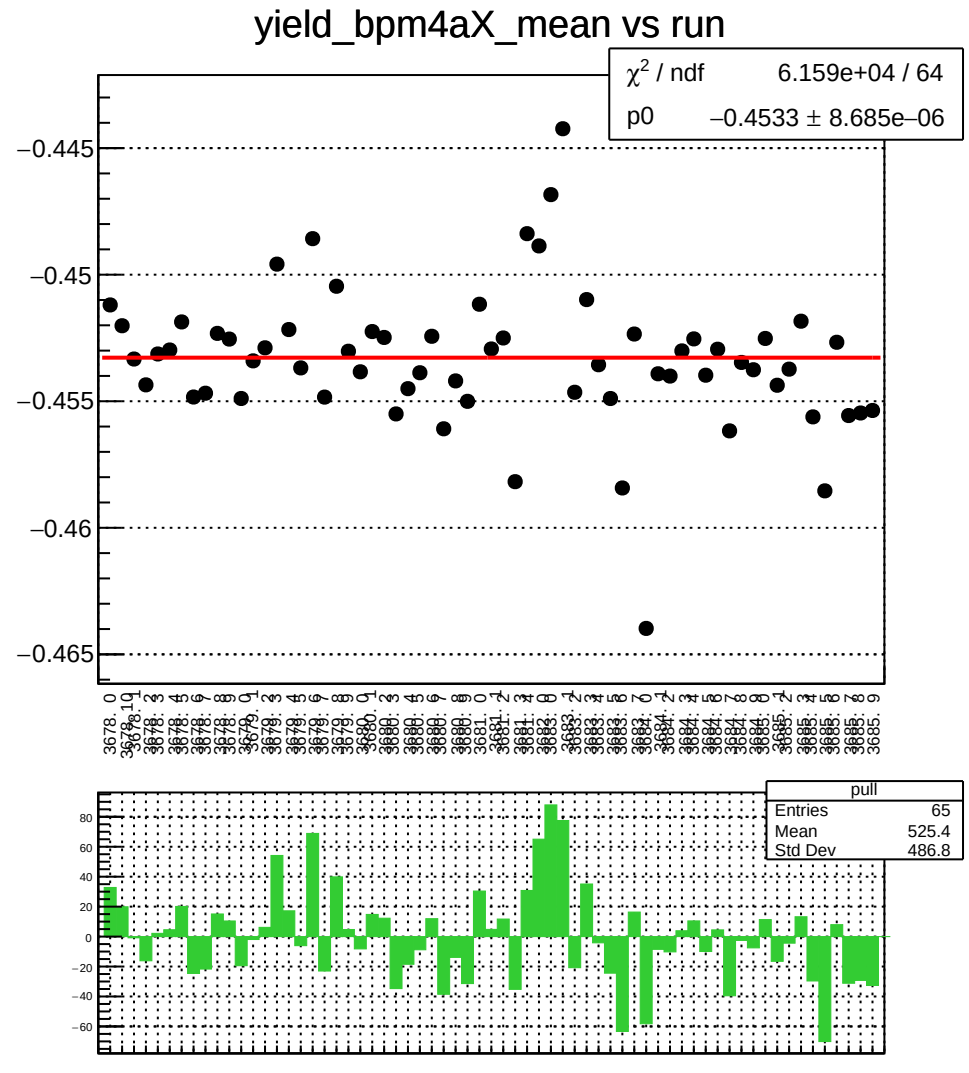

pull1D
Entries 65
Mean 0
Std Dev 0

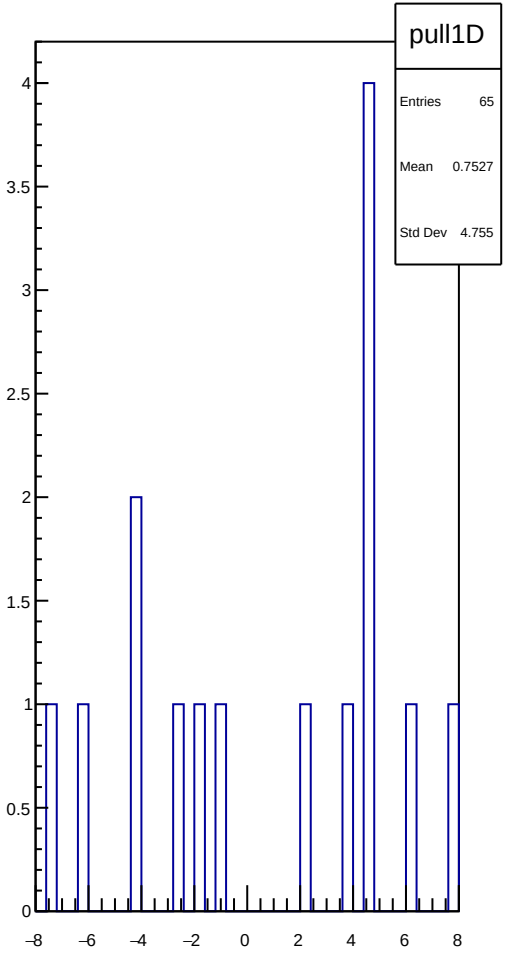

yield_cav4dX_rms vs run
χ² / ndf 1.198e+06 / 64
p0 0.0001662 ± 8.746e−07
6
5
4
3
2
1

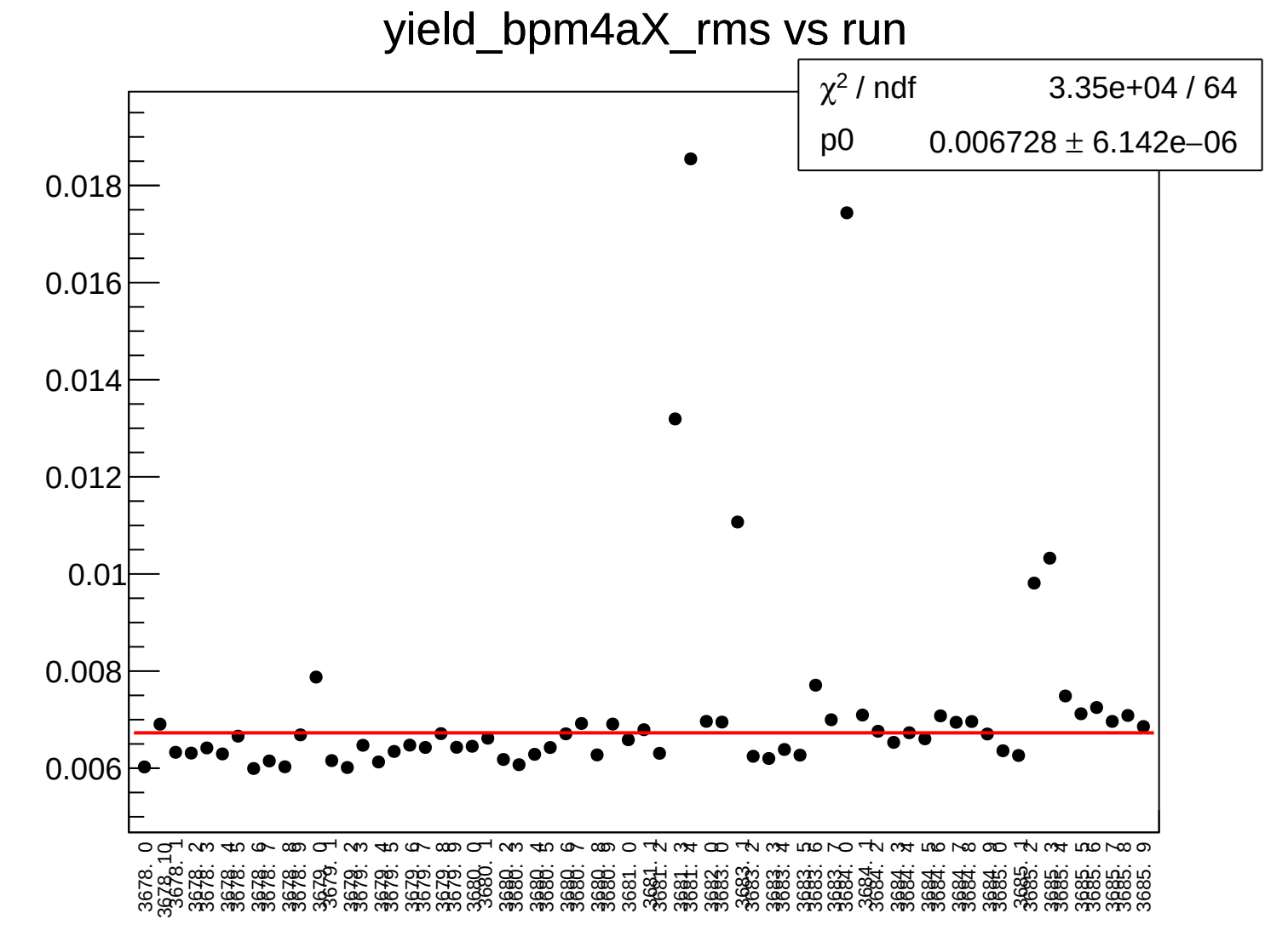

yield_cav4dY_mean vs run
χ² / ndf 3.157e+05 / 64
p0 0.1894 ± 0.000343
pull
Entries 65
Mean 166.8
Std Dev 129.8

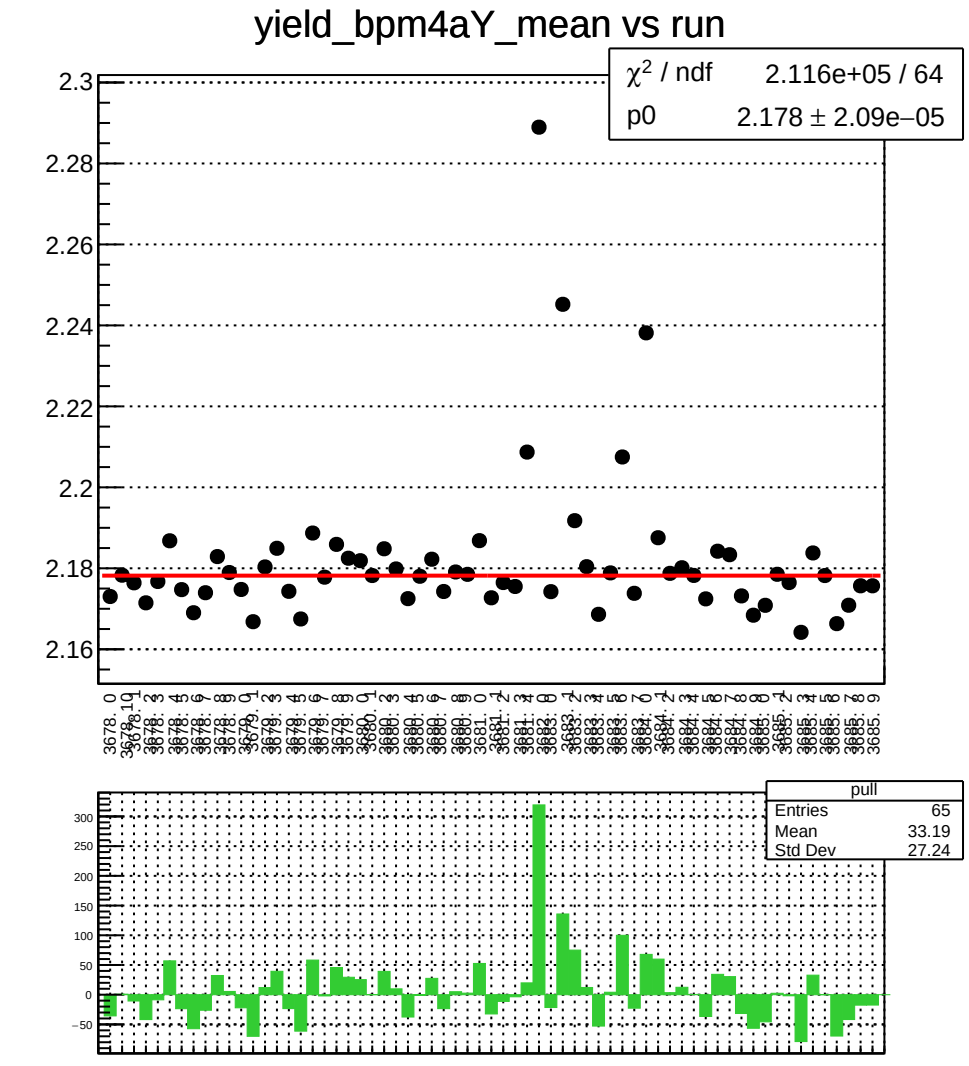

pull1D
Entries 65
Mean −2.145
Std Dev 3.673

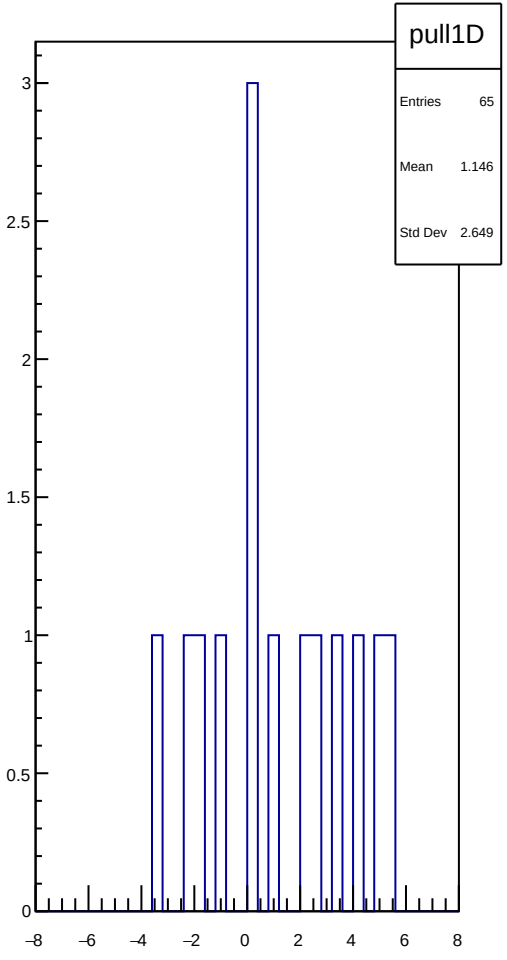

yield_cav4dY_rms vs run
χ² / ndf 3.163e+05 / 64
p0 0.2323 ± 0.0002426
0.6
0.5
0.4
0.3
0.2
0.1

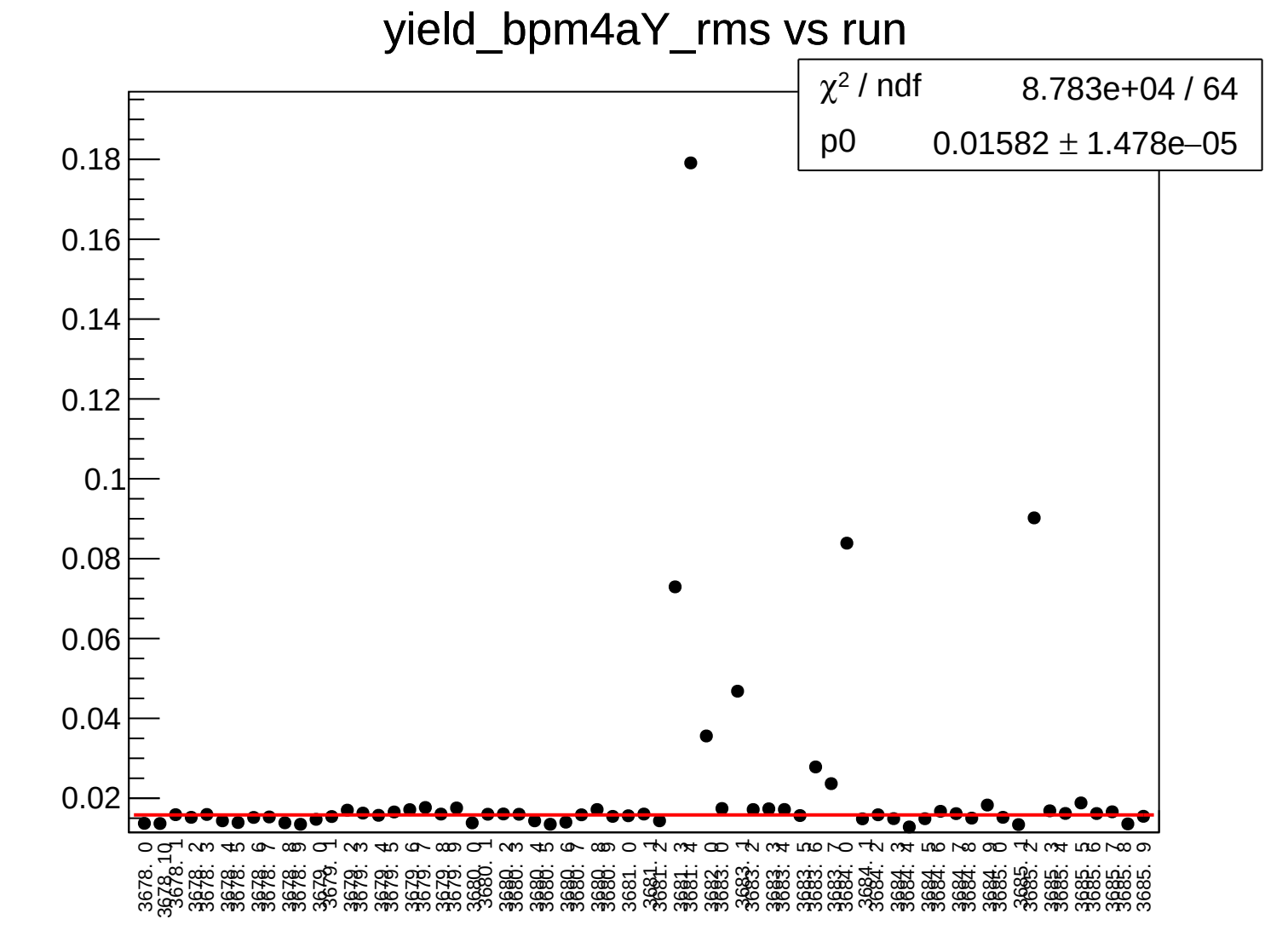

yield_bpm4aX_mean vs run
χ² / ndf 6.159e+04 / 64
p0 −0.4533 ± 8.685e−06
−0.445
−0.45
−0.455
−0.46
−0.465
pull
Entries 65
Mean 525.4
Std Dev 486.8
80
60
40
20
0
−20
−40
−60

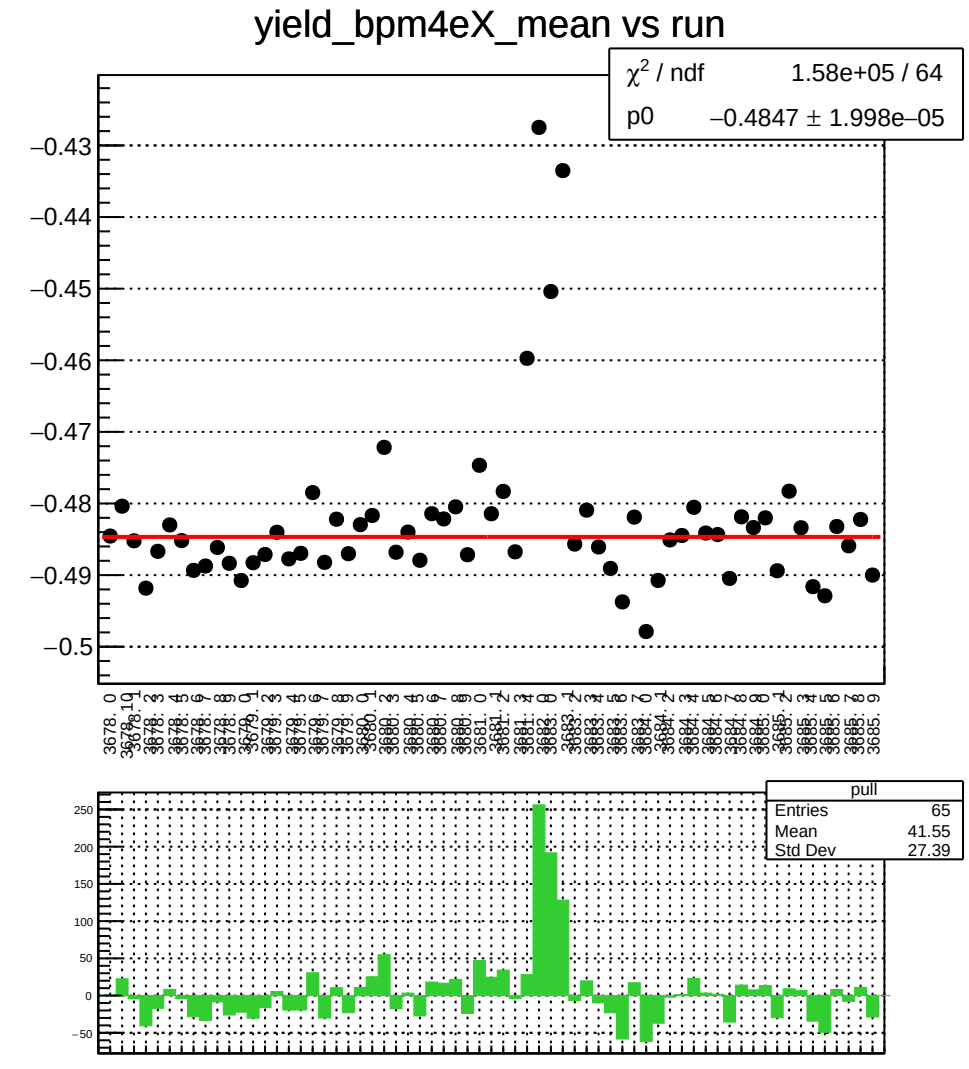

pull1D
Entries 65
Mean 0.7527
Std Dev 4.755
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

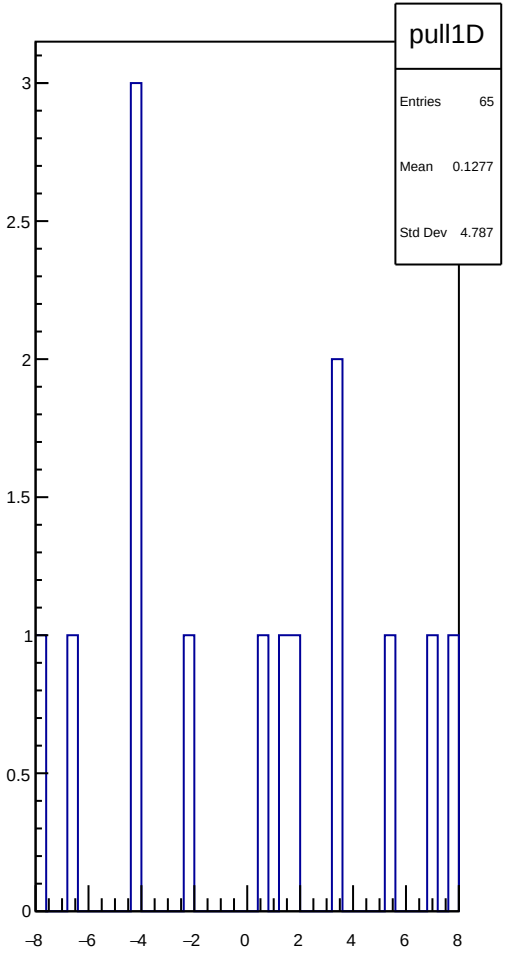

yield_bpm4aX_rms vs run
χ² / ndf 3.35e+04 / 64
p0 0.006728 ± 6.142e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

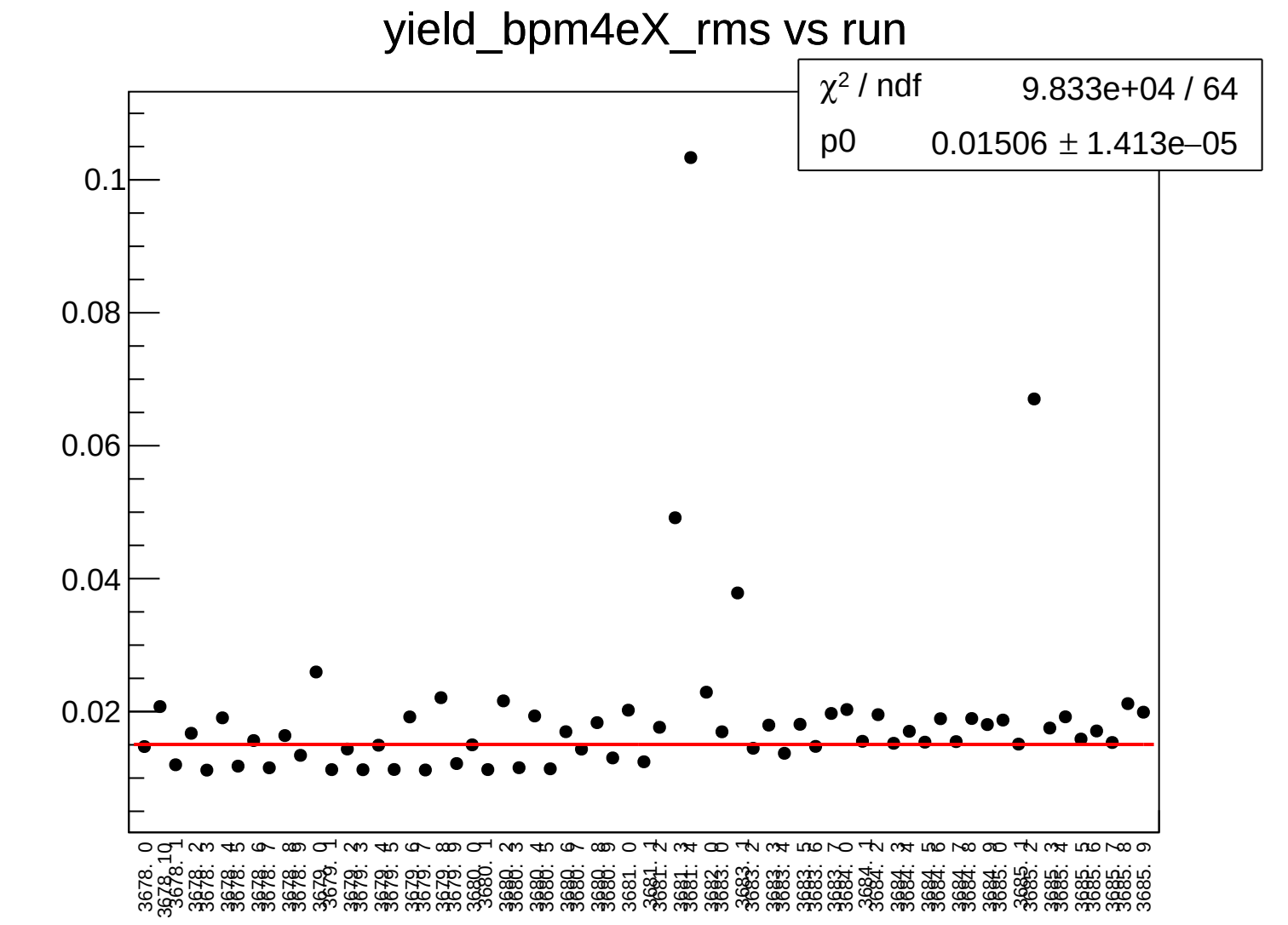

yield_bpm4aY_mean vs run
χ² / ndf 2.116e+05 / 64
p0 2.178 ± 2.09e−05
pull
Entries 65
Mean 33.19
Std Dev 27.24

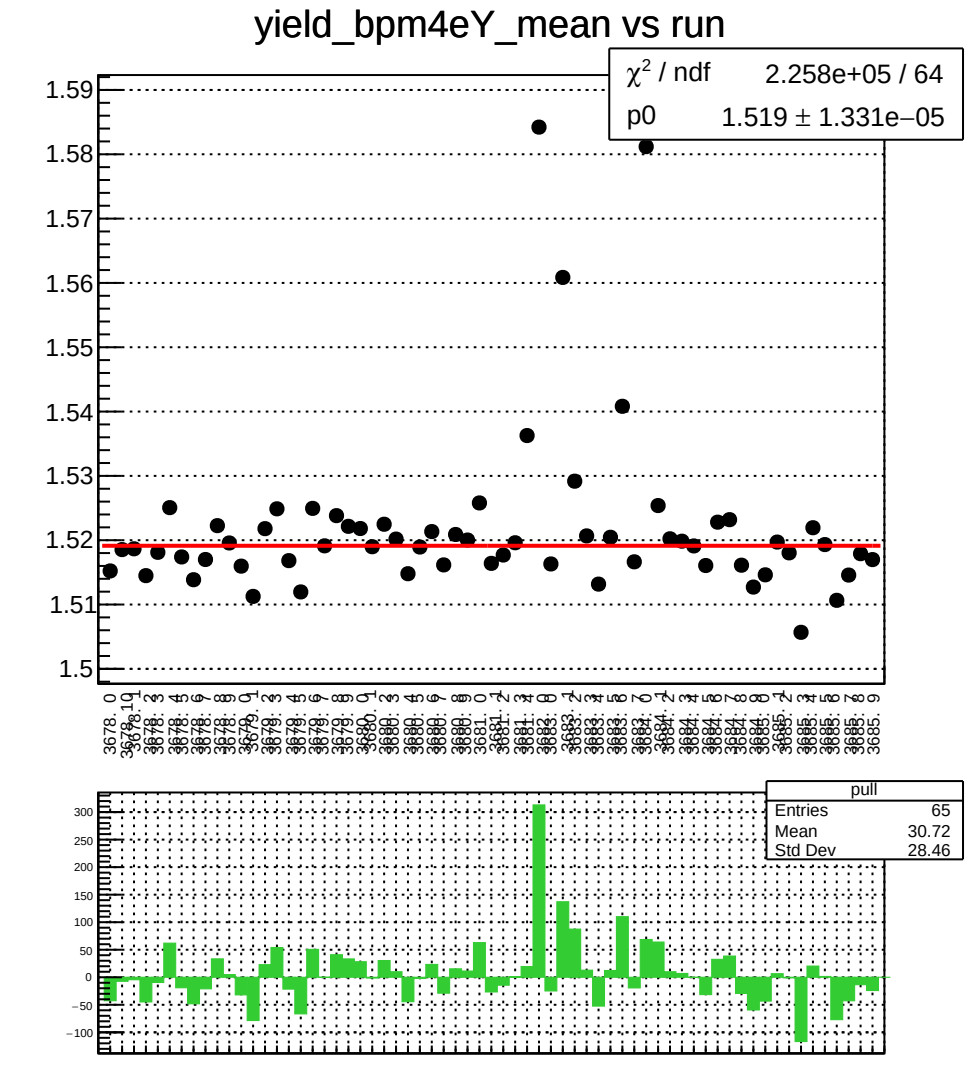

pull1D
Entries 65
Mean 1.146
Std Dev 2.649

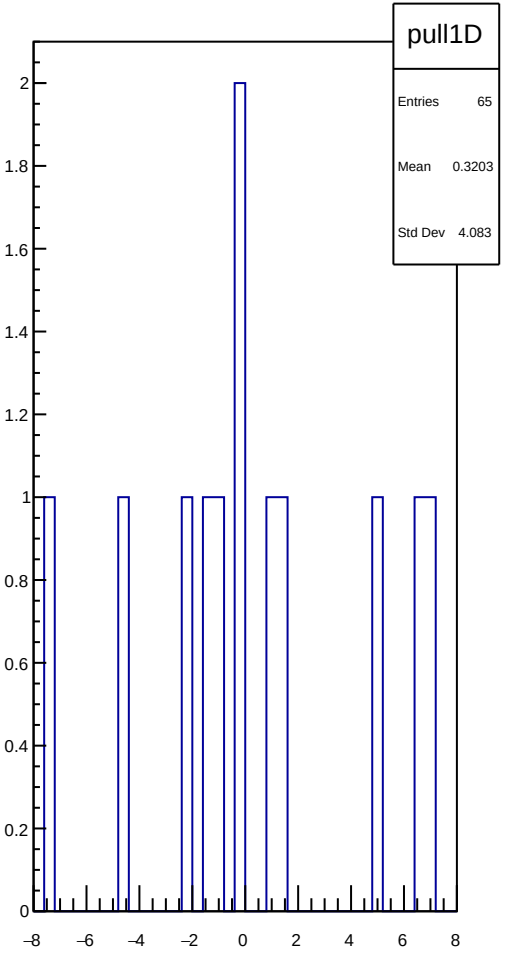

yield_bpm4aY_rms vs run
χ² / ndf 8.783e+04 / 64
p0 0.01582 ± 1.478e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

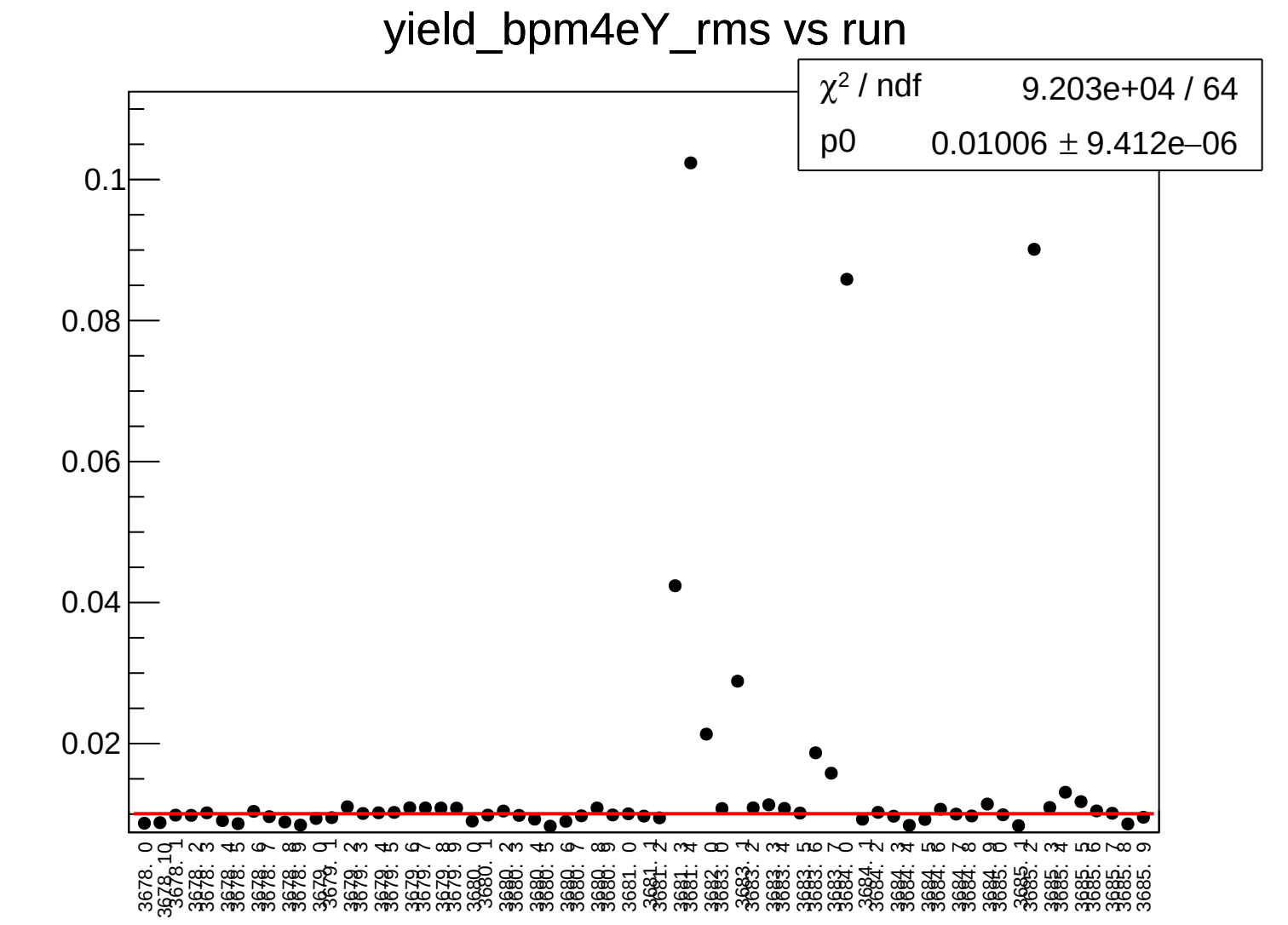

yield_bpm4eX_mean vs run
χ² / ndf 1.58e+05 / 64
p0 −0.4847 ± 1.998e−05
pull
Entries 65
Mean 41.55
Std Dev 27.39

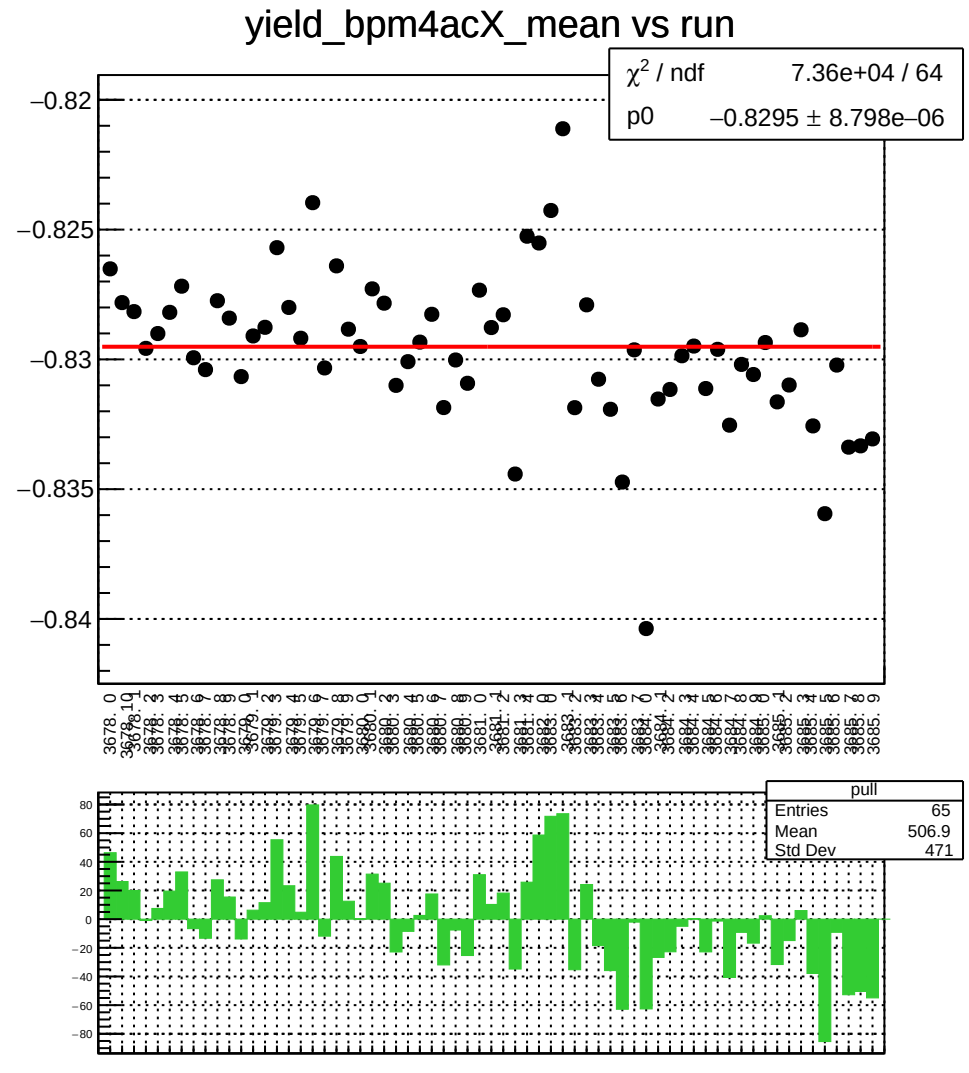

pull1D
Entries 65
Mean 0.1277
Std Dev 4.787

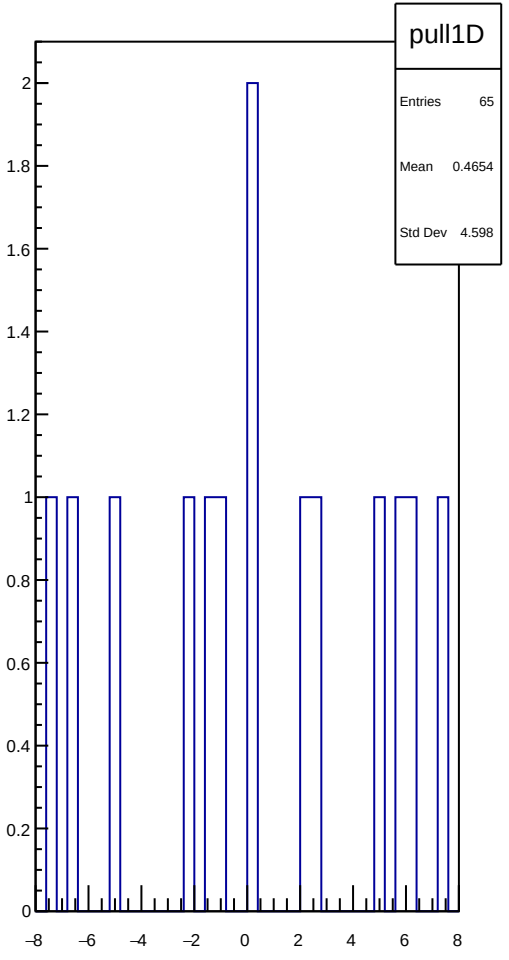

yield_bpm4eX_rms vs run
χ² / ndf 9.833e+04 / 64
p0 0.01506 ± 1.413e−05
0.1
0.08
0.06
0.04
0.02

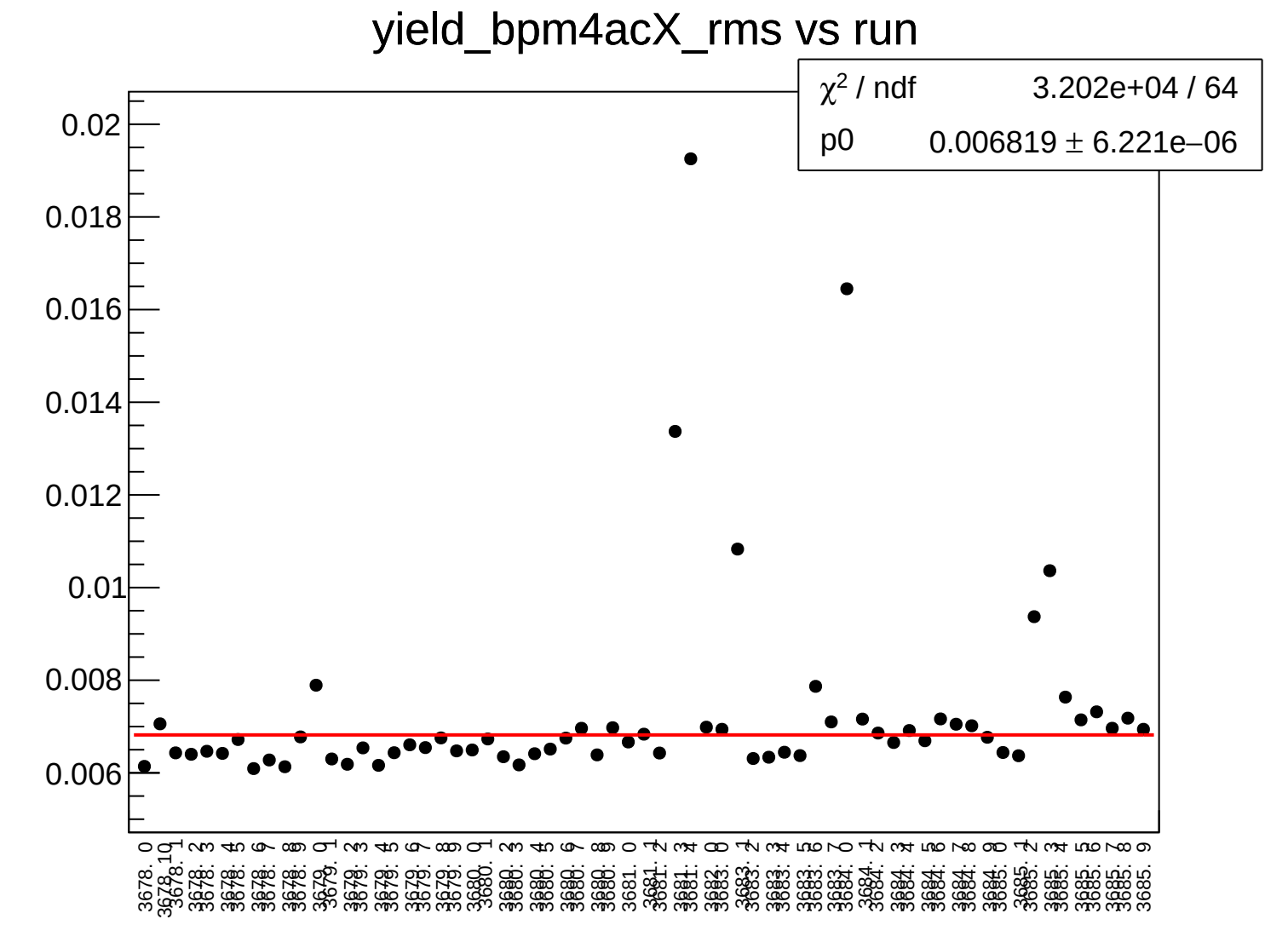

yield_bpm4eY_mean vs run
χ² / ndf 2.258e+05 / 64
p0 1.519 ± 1.331e−05
pull
Entries 65
Mean 30.72
Std Dev 28.46

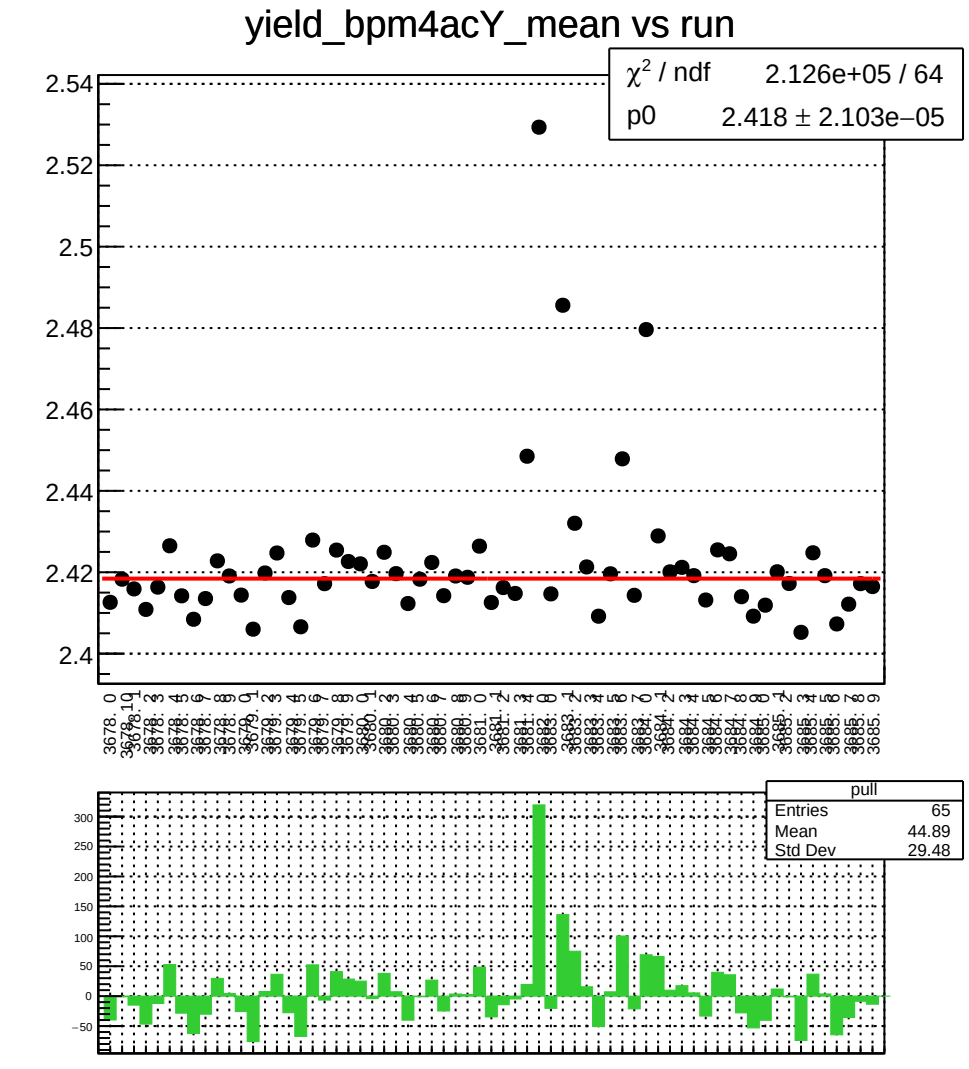

pull1D
Entries 65
Mean 0.3203
Std Dev 4.083

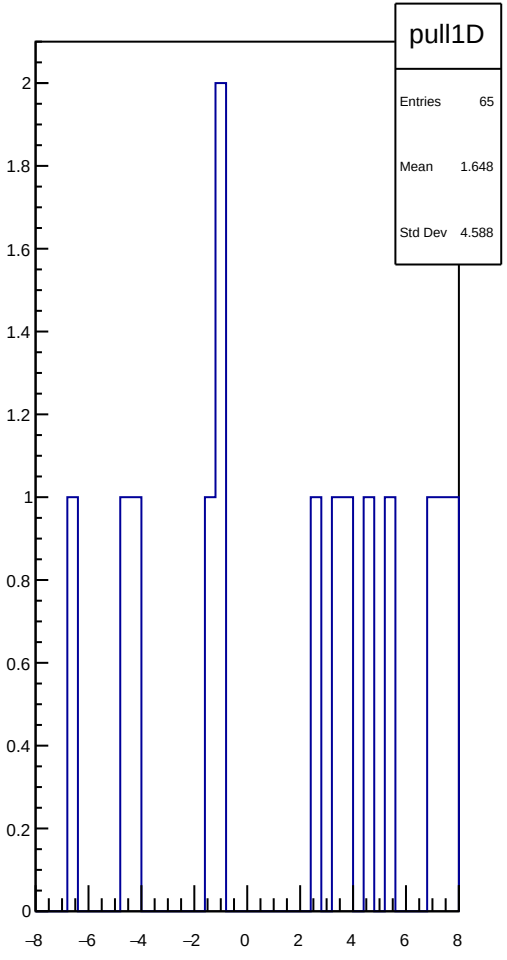

yield_bpm4eY_rms vs run
χ² / ndf 9.203e+04 / 64
p0 0.01006 ± 9.412e–06
0.1
0.08
0.06
0.04
0.02

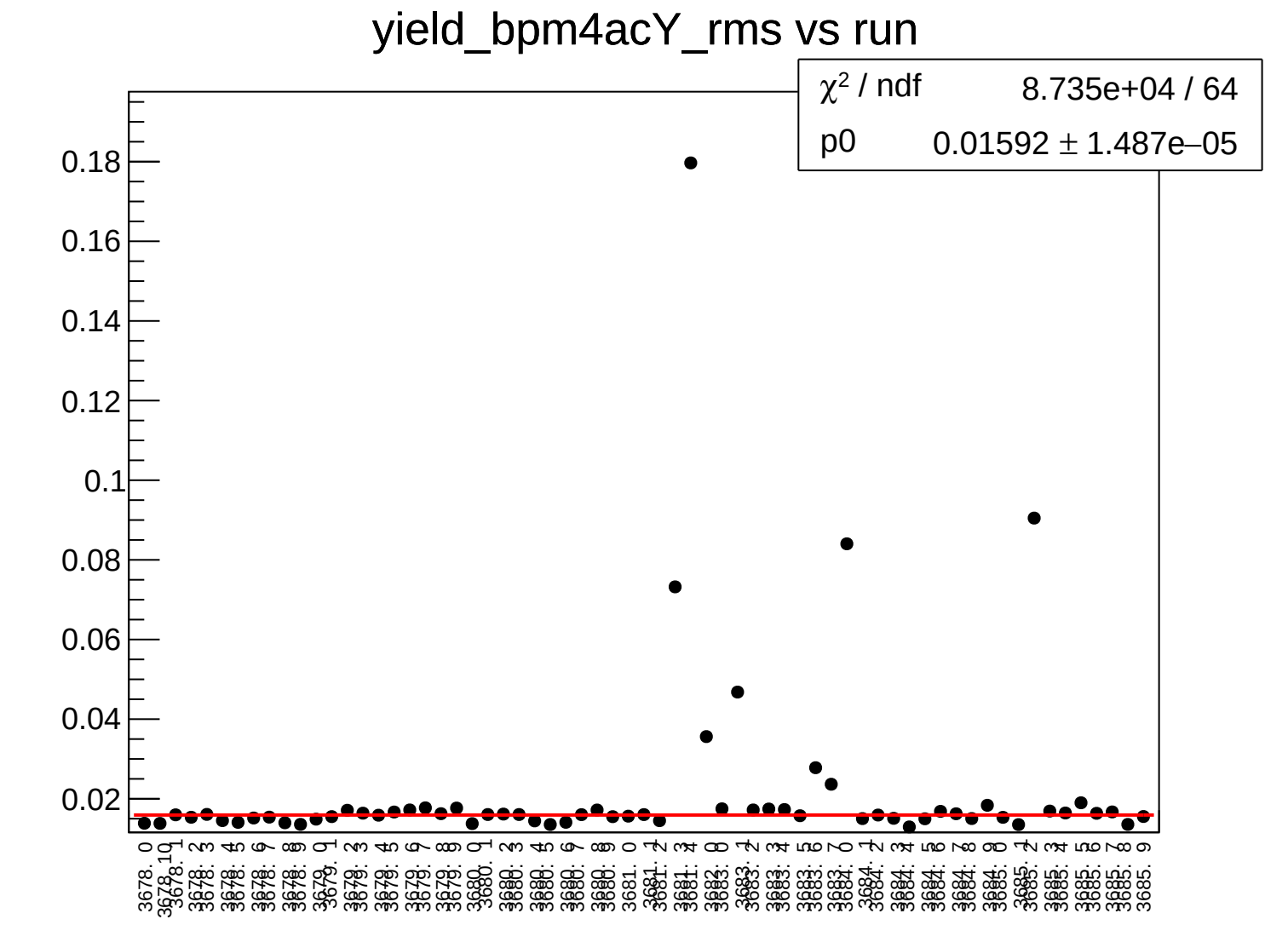

yield_bpm4acX_mean vs run
χ² / ndf 7.36e+04 / 64
p0 −0.8295 ± 8.798e−06
−0.82
−0.825
−0.83
−0.835
−0.84
pull
Entries 65
Mean 506.9
Std Dev 471
80
60
40
20
0
−20
−40
−60
−80

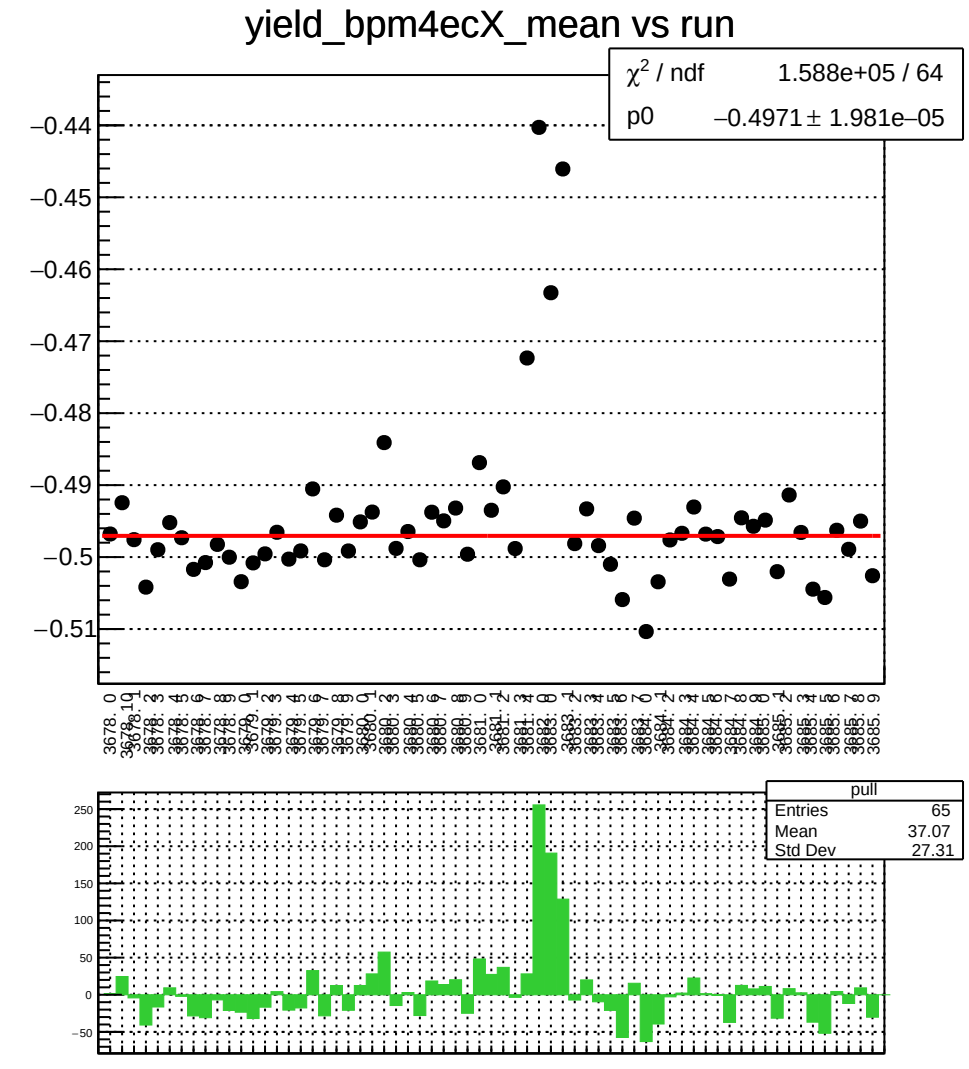

pull1D
Entries 65
Mean 0.4654
Std Dev 4.598
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

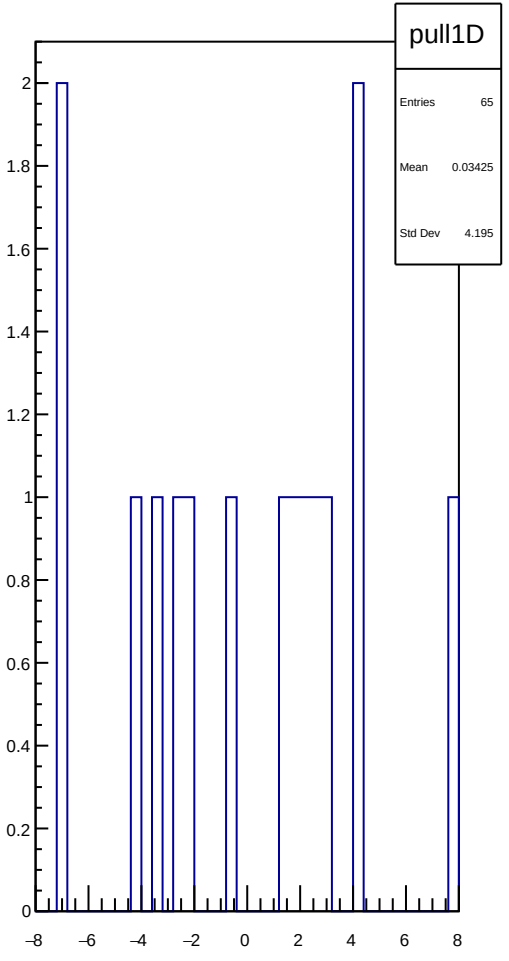

yield_bpm4acX_rms vs run
χ² / ndf 3.202e+04 / 64
p0 0.006819 ± 6.221e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006

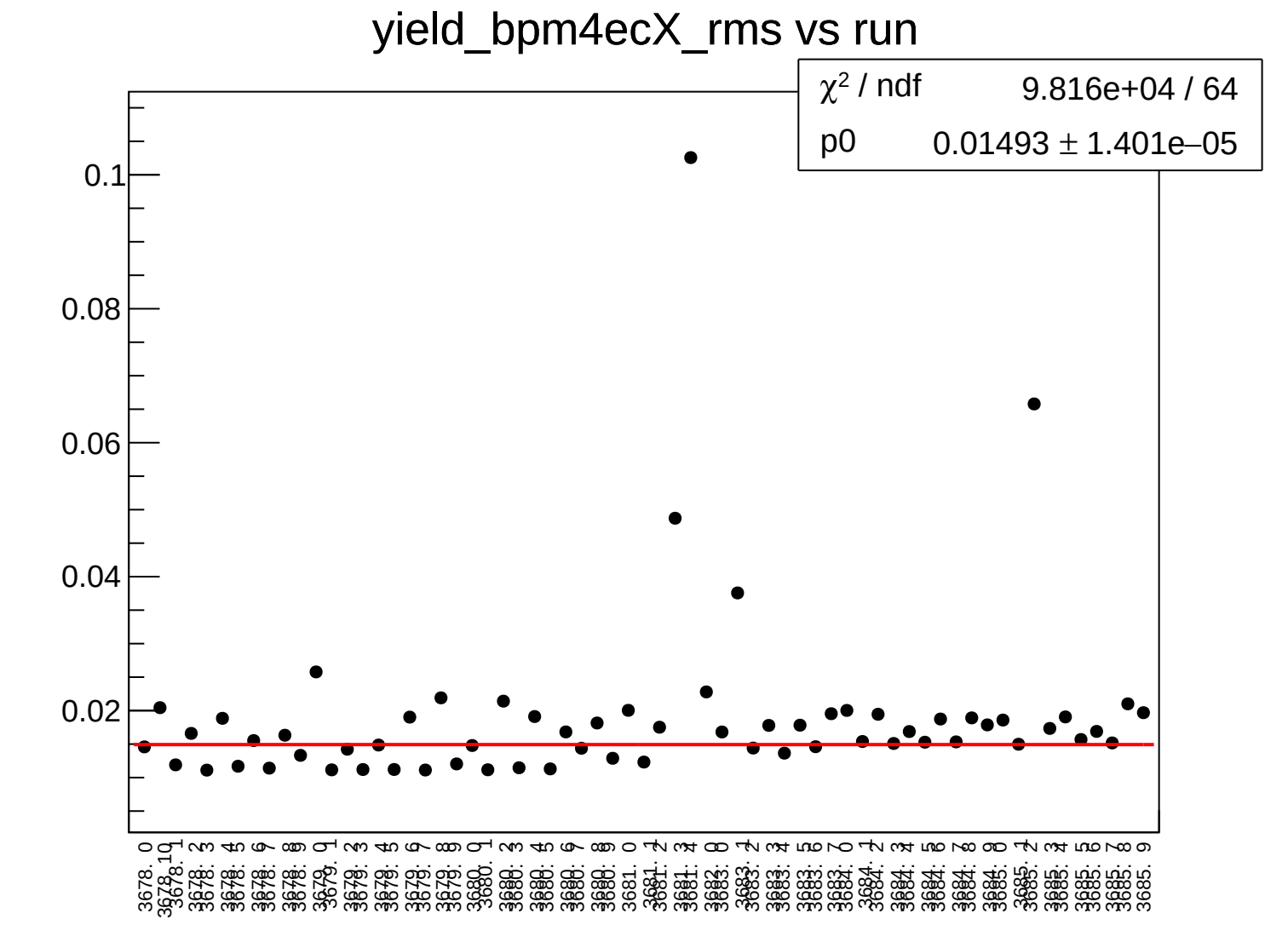

yield_bpm4acY_mean vs run
χ² / ndf 2.126e+05 / 64
p0 2.418 ± 2.103e−05
pull
Entries 65
Mean 44.89
Std Dev 29.48

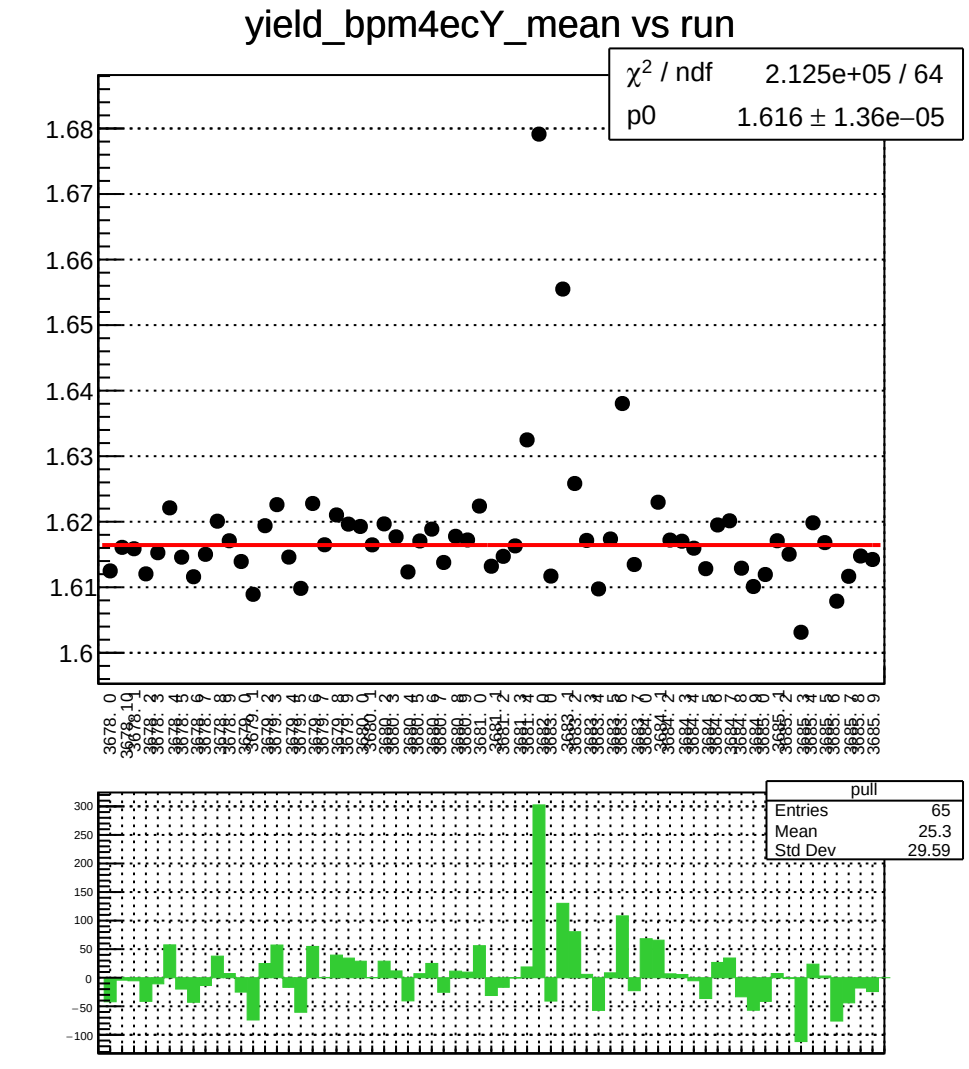

pull1D
Entries 65
Mean 1.648
Std Dev 4.588

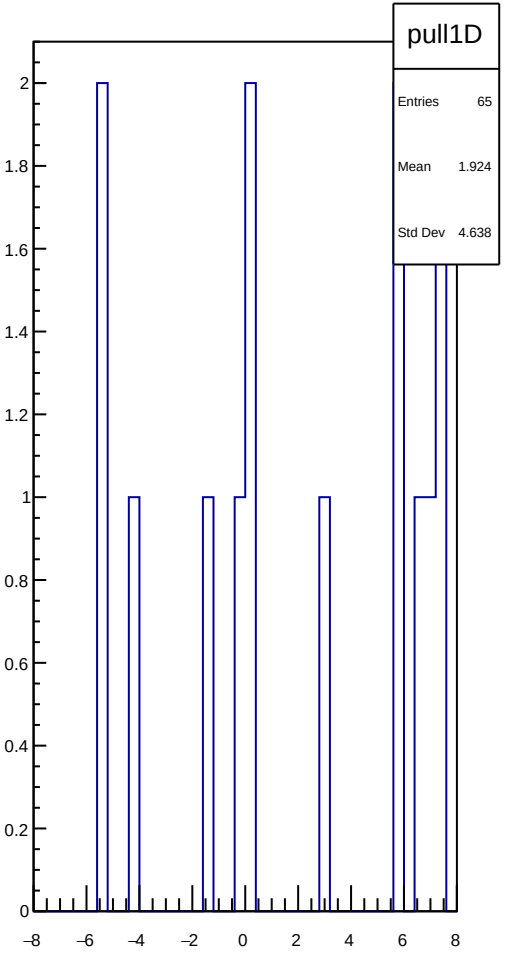

yield_bpm4acY_rms vs run
χ² / ndf 8.735e+04 / 64
p0 0.01592 ± 1.487e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

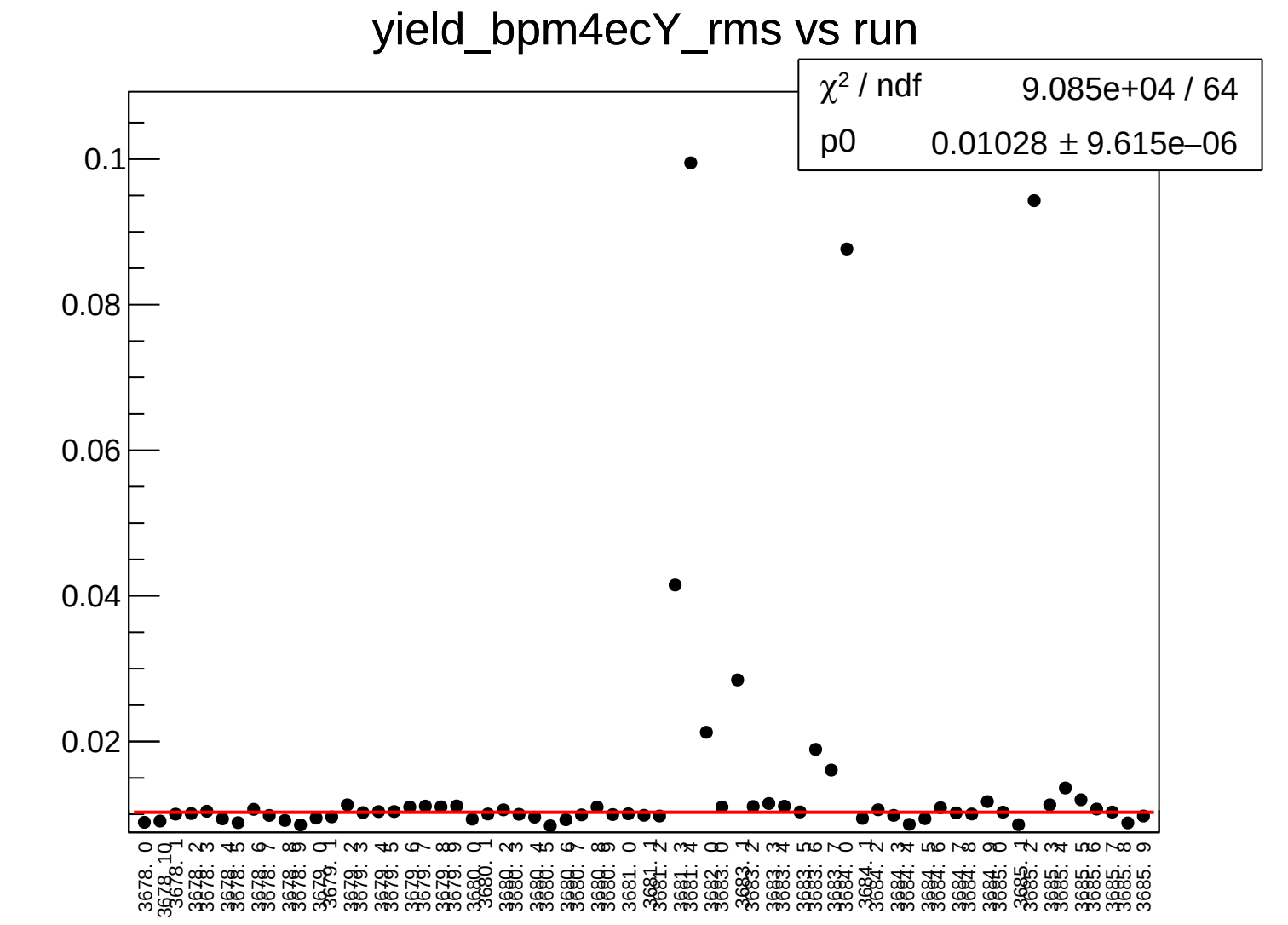

yield_bpm4ecX_mean vs run
χ² / ndf 1.588e+05 / 64
p0 −0.4971 ± 1.981e−05
−0.44
−0.45
−0.46
−0.47
−0.48
−0.49
−0.5
−0.51
pull
Entries 65
Mean 37.07
Std Dev 27.31
250
200
150
100
50
0
−50

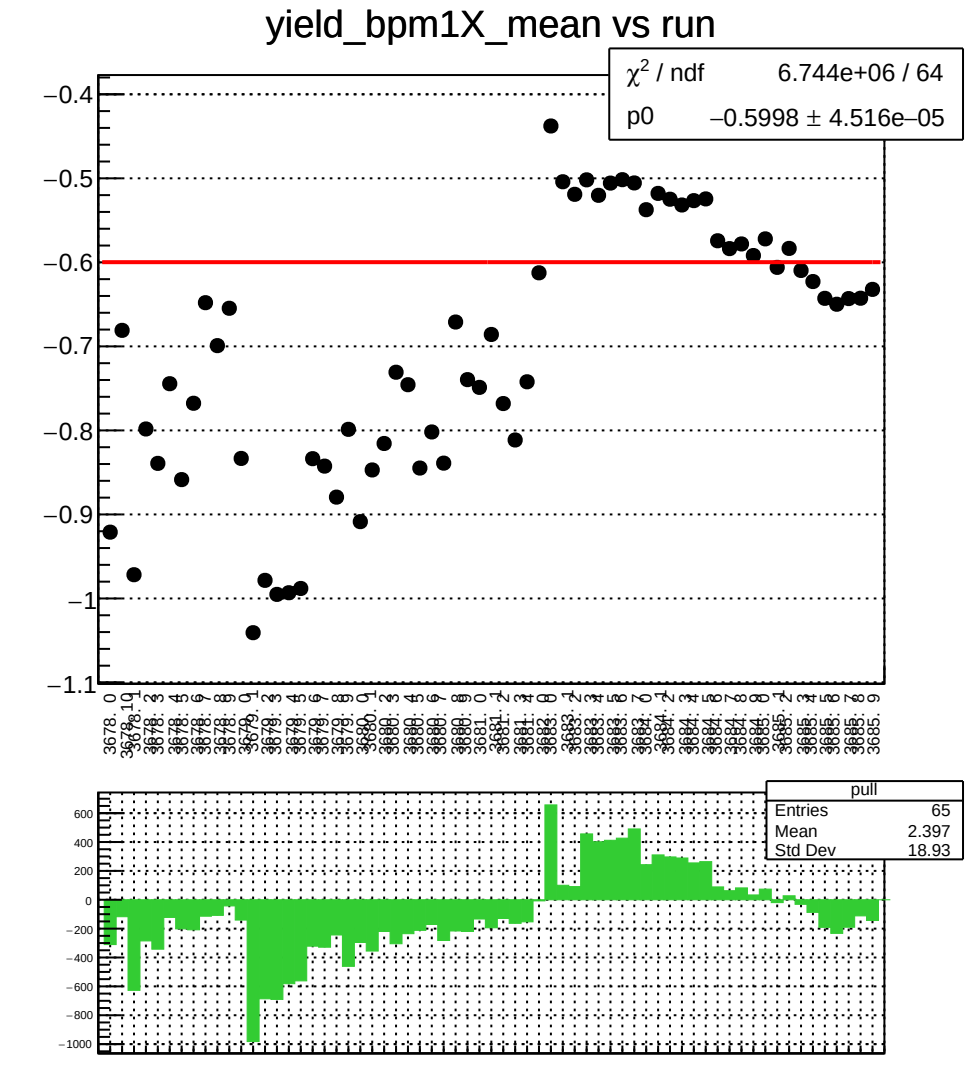

pull1D
Entries 65
Mean 0.03425
Std Dev 4.195
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

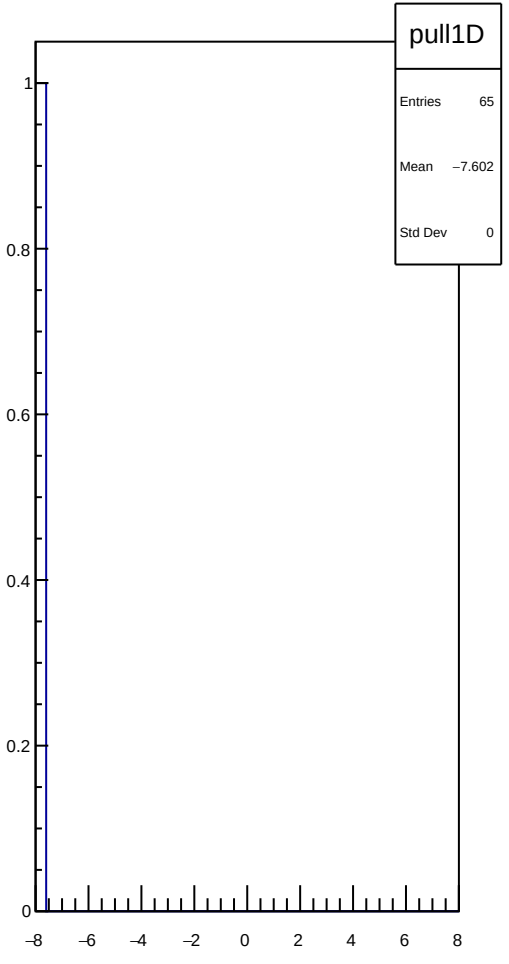

yield_bpm4ecX_rms vs run
χ² / ndf 9.816e+04 / 64
p0 0.01493 ± 1.401e–05
0.1
0.08
0.06
0.04
0.02

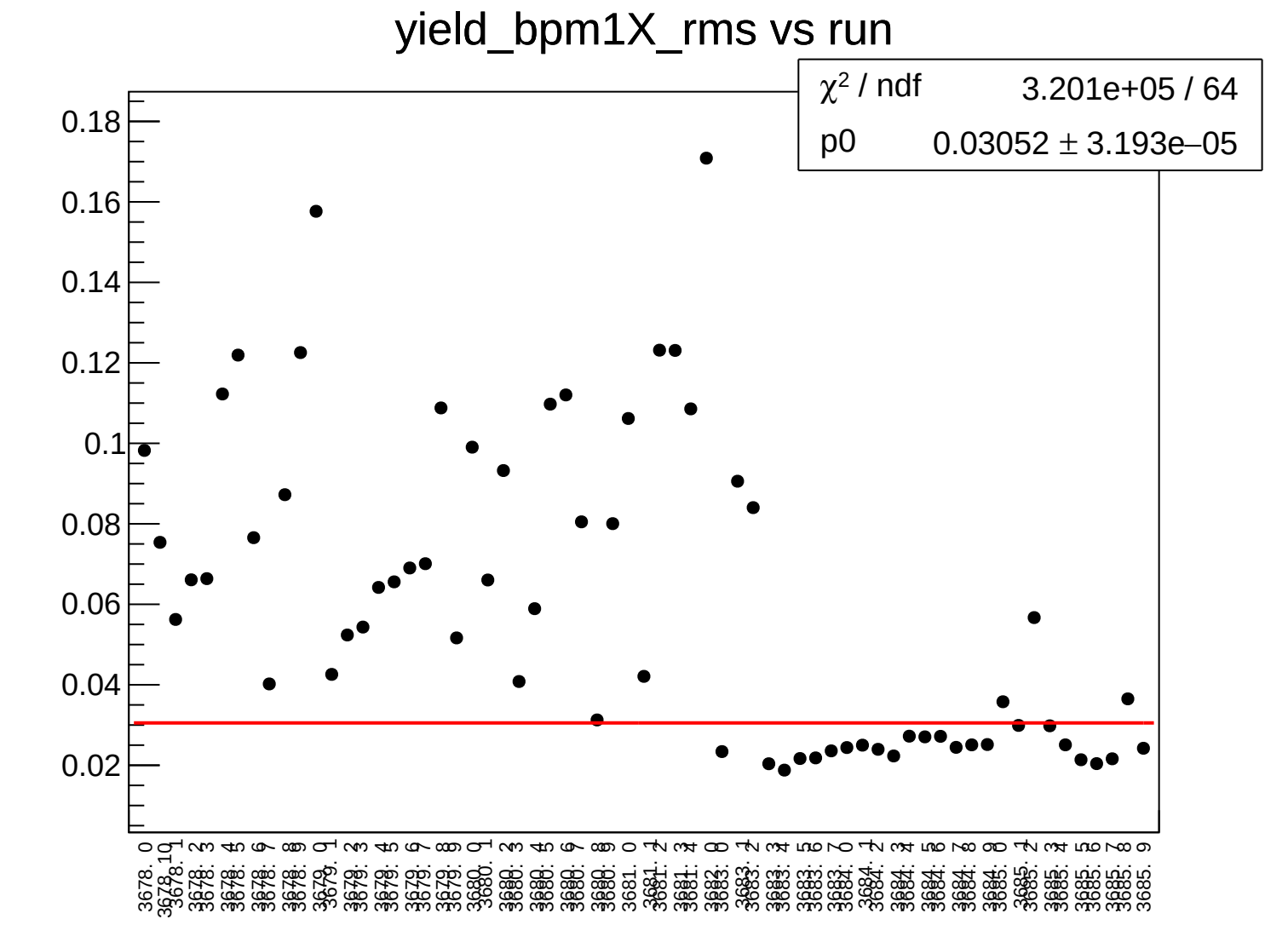

yield_bpm4ecY_mean vs run
χ² / ndf 2.125e+05 / 64
p0 1.616 ± 1.36e−05
pull
Entries 65
Mean 25.3
Std Dev 29.59

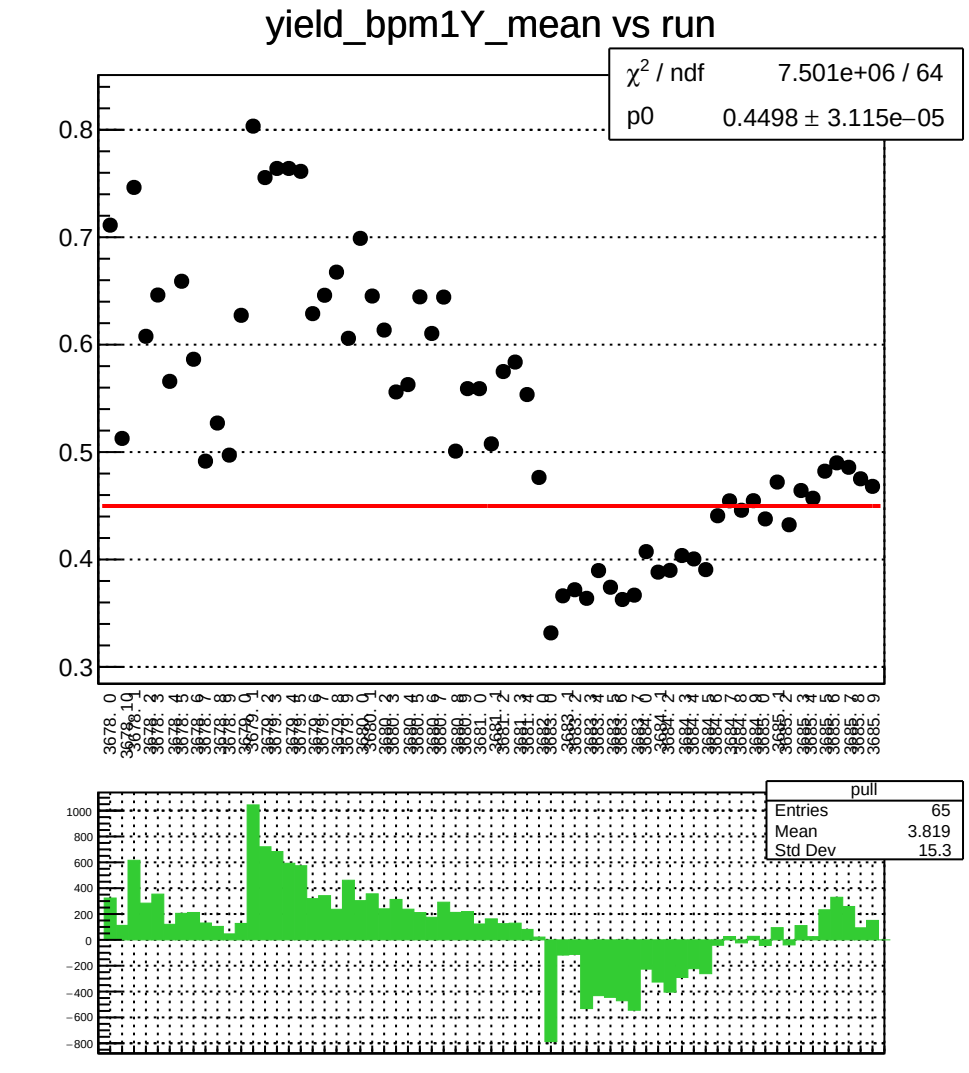

pull1D
Entries 65
Mean 1.924
Std Dev 4.638

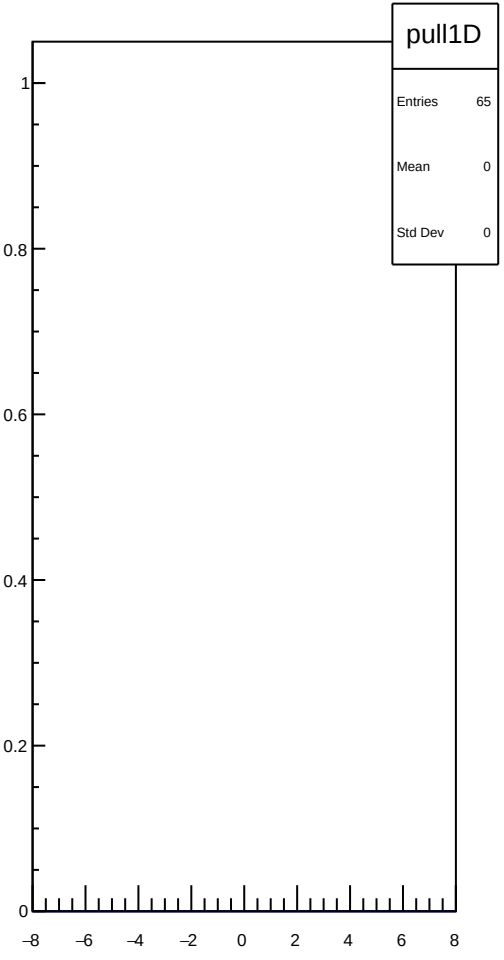

yield_bpm4ecY_rms vs run
χ² / ndf 9.085e+04 / 64
p0 0.01028 ± 9.615e–06
0.1
0.08
0.06
0.04
0.02

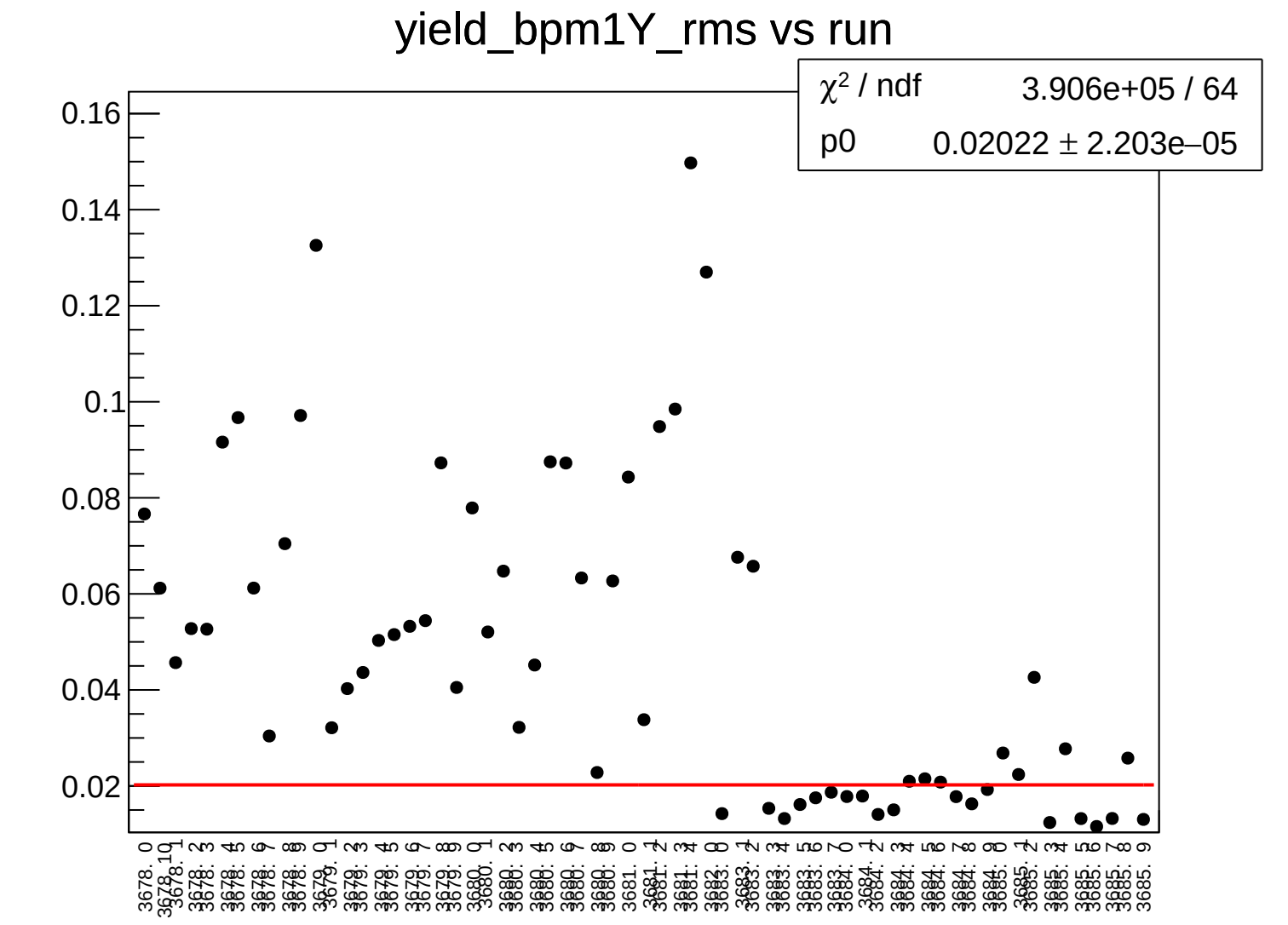

yield_bpm1X_mean vs run
χ² / ndf 6.744e+06 / 64
p0 −0.5998 ± 4.516e−05
pull
Entries 65
Mean 2.397
Std Dev 18.93

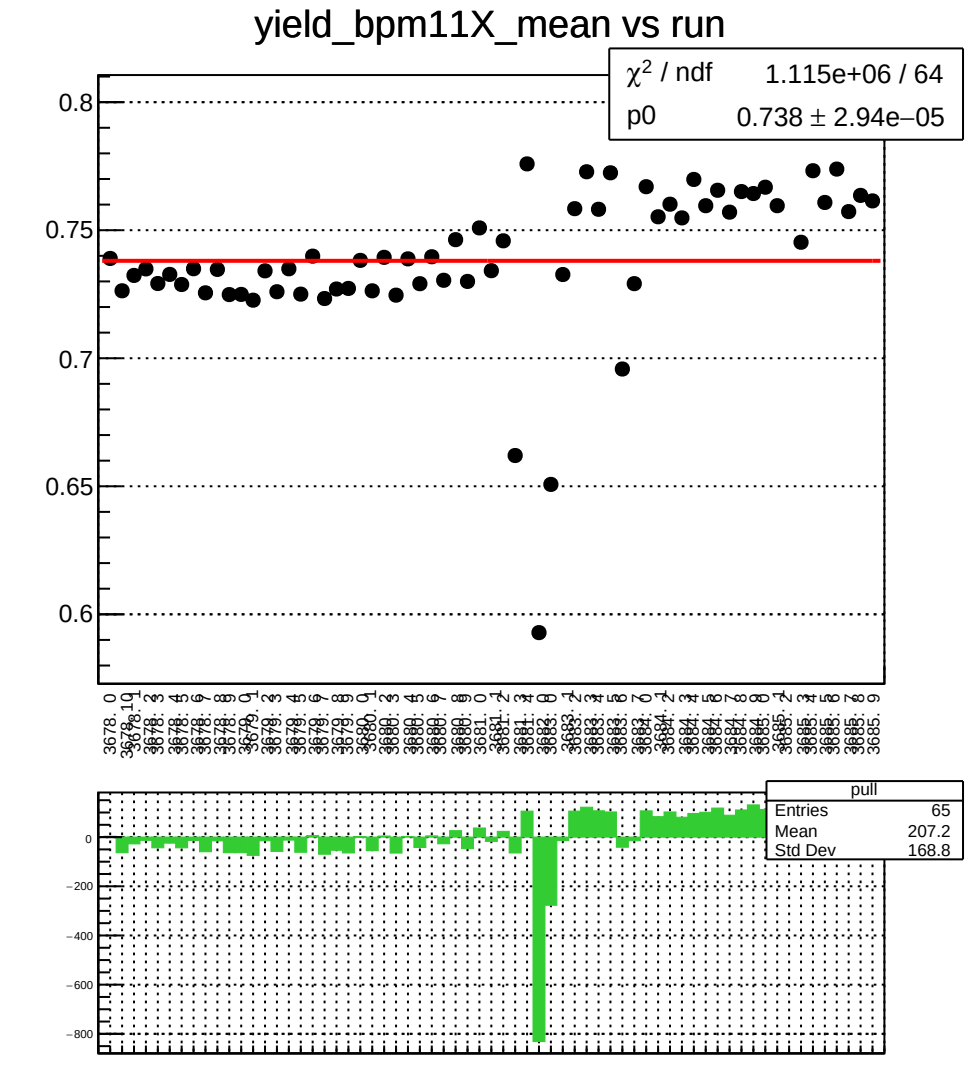

pull1D
Entries 65
Mean −7.602
Std Dev 0

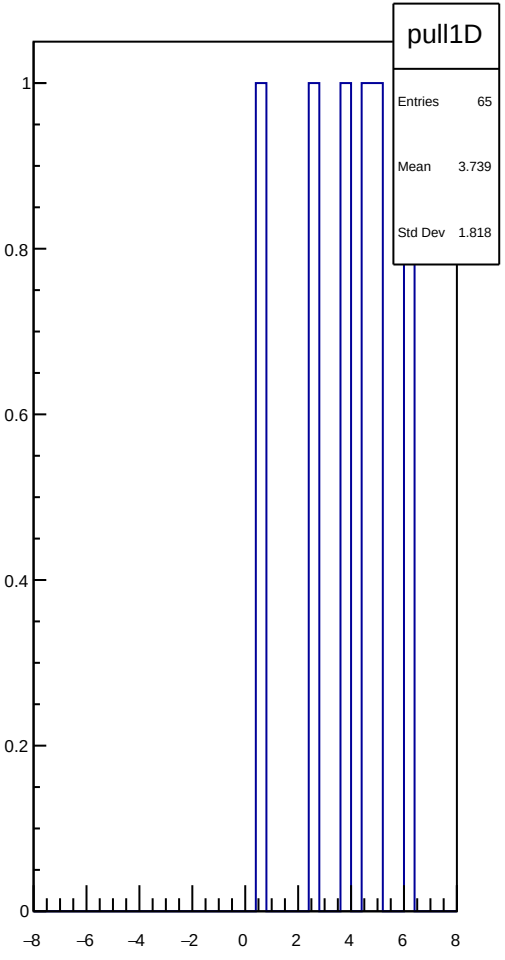

yield_bpm1X_rms vs run
χ² / ndf 3.201e+05 / 64
p0 0.03052 ± 3.193e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

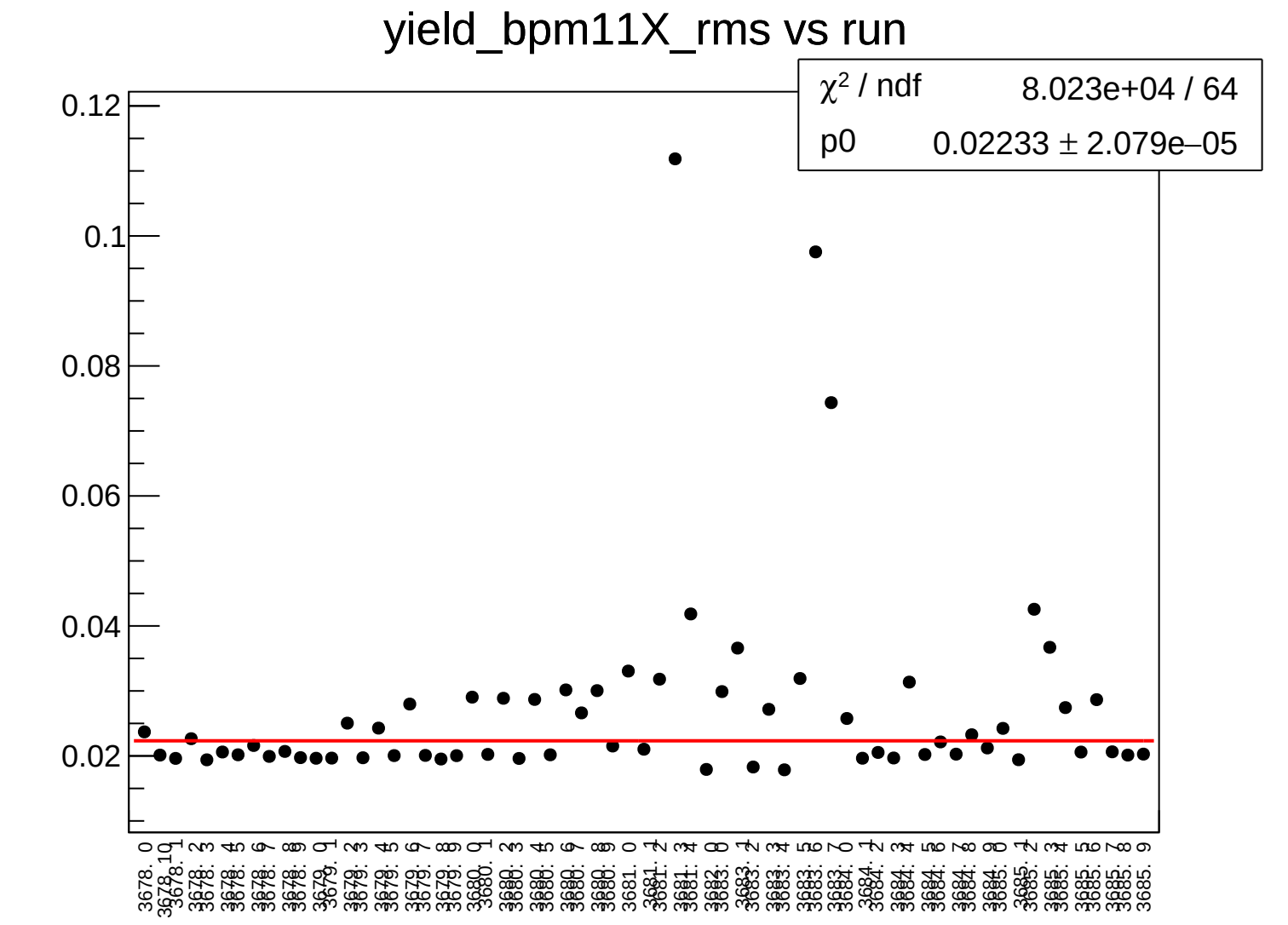

yield_bpm1Y_mean vs run
χ² / ndf 7.501e+06 / 64
p0 0.4498 ± 3.115e−05
pull
Entries 65
Mean 3.819
Std Dev 15.3

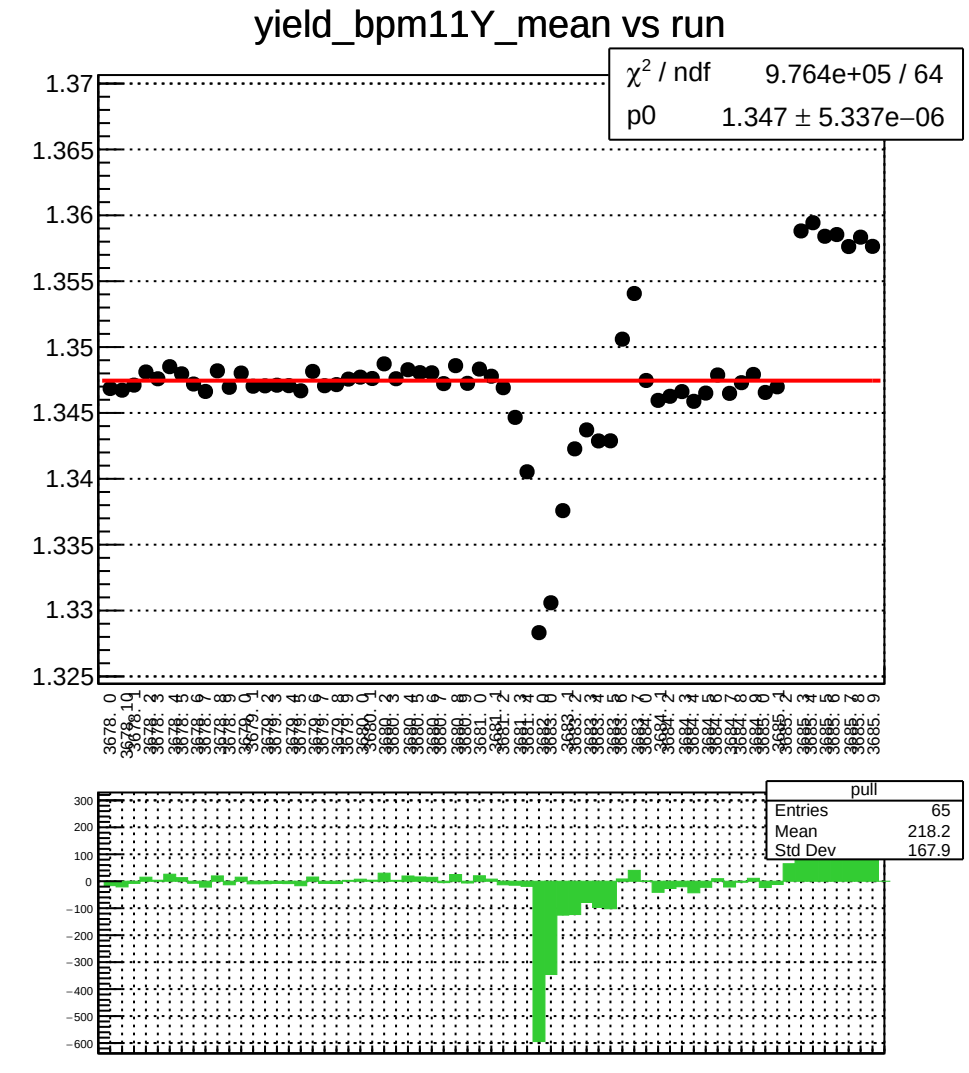

pull1D
Entries 65
Mean 0
Std Dev 0

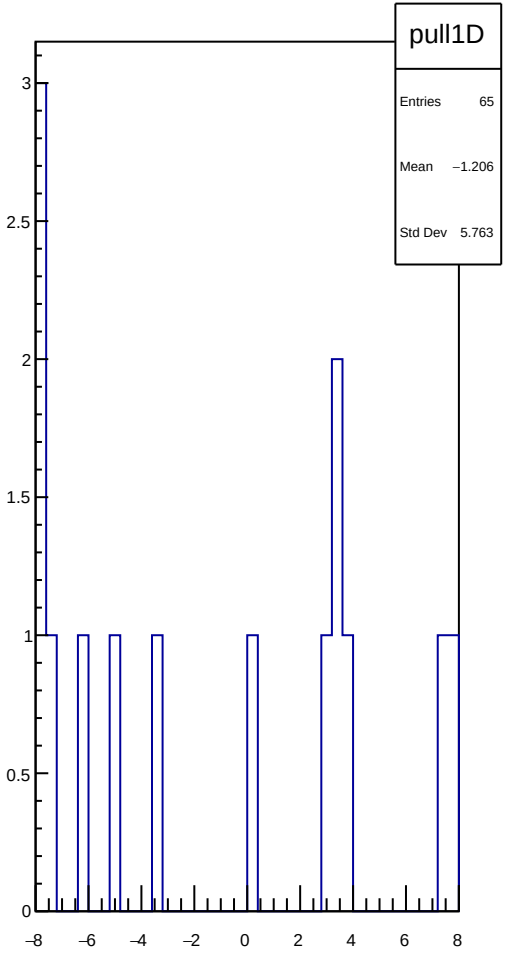

yield_bpm1Y_rms vs run
χ² / ndf 3.906e+05 / 64
p0 0.02022 ± 2.203e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

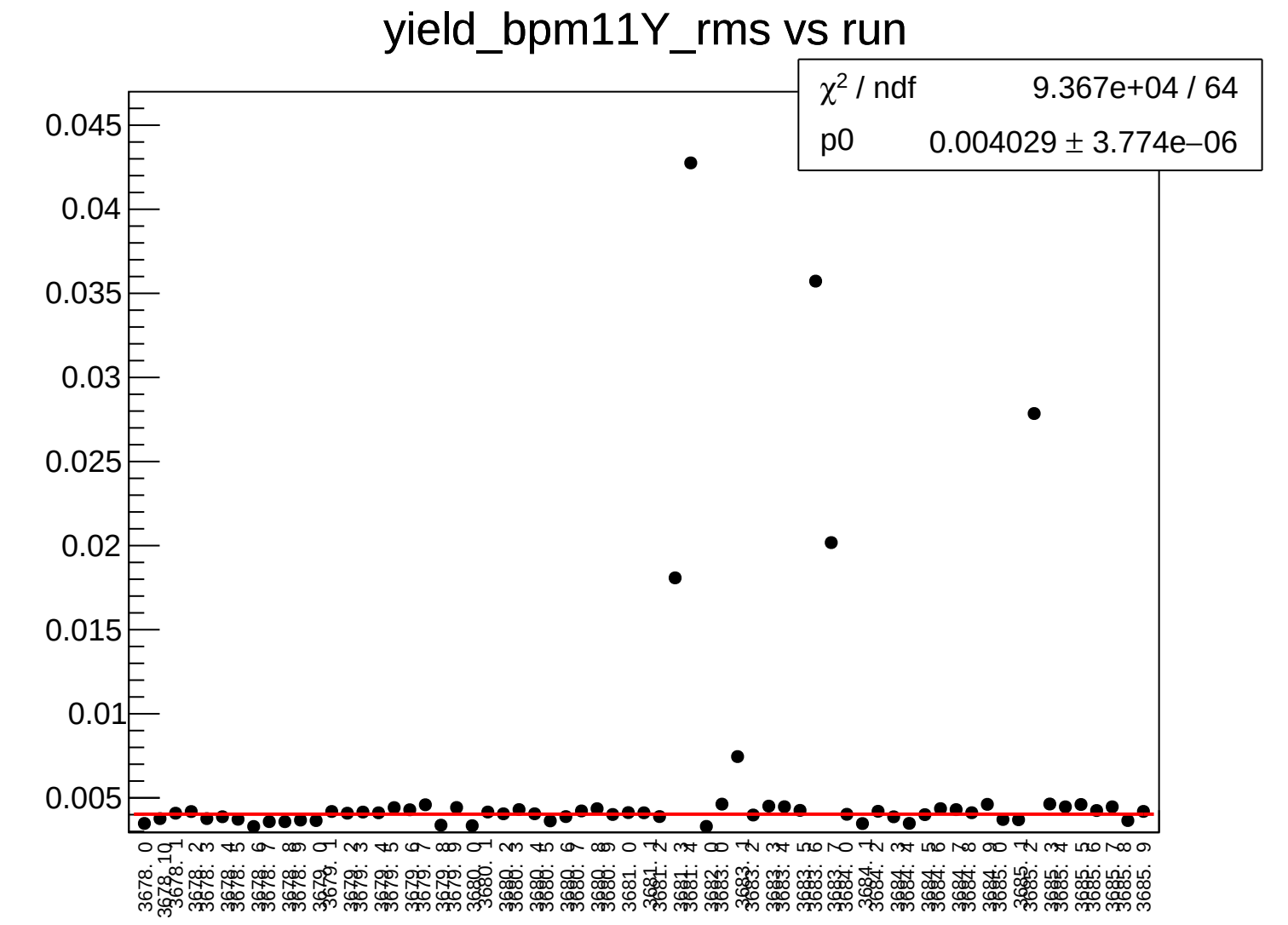

yield_bpm11X_mean vs run
χ² / ndf 1.115e+06 / 64
p0 0.738 ± 2.94e−05
0.8
0.75
0.7
0.65
0.6
pull
Entries 65
Mean 207.2
Std Dev 168.8
0
−200
−400
−600
−800

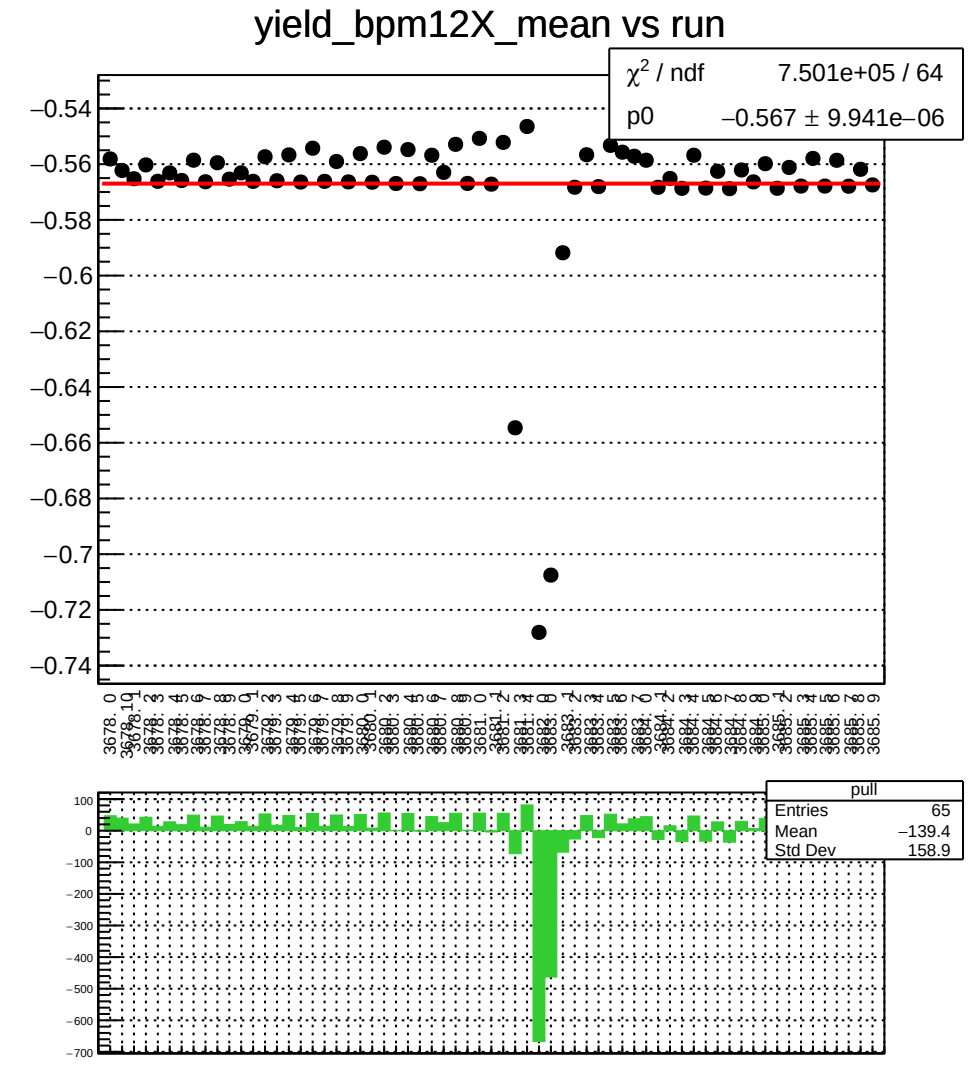

pull1D
Entries 65
Mean 3.739
Std Dev 1.818
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

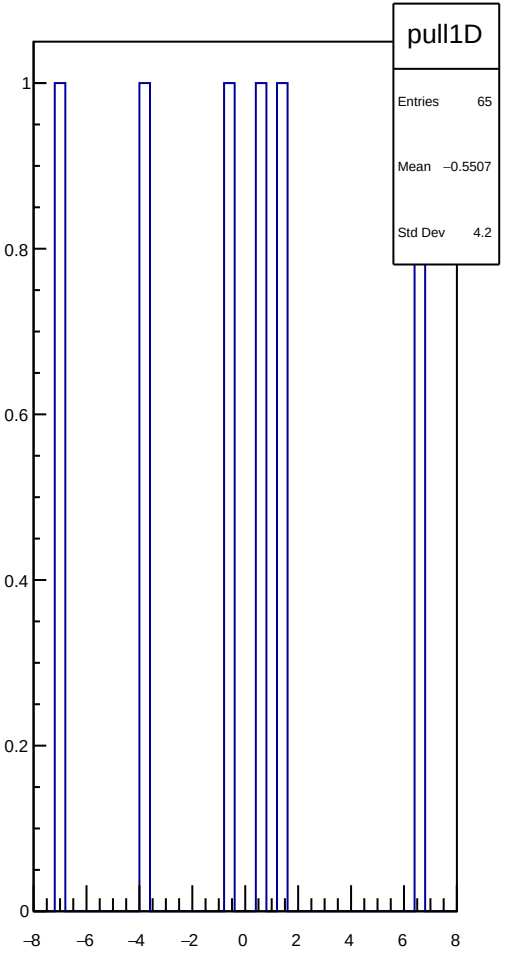

yield_bpm11X_rms vs run
χ² / ndf 8.023e+04 / 64
p0 0.02233 ± 2.079e–05
0.12
0.1
0.08
0.06
0.04
0.02

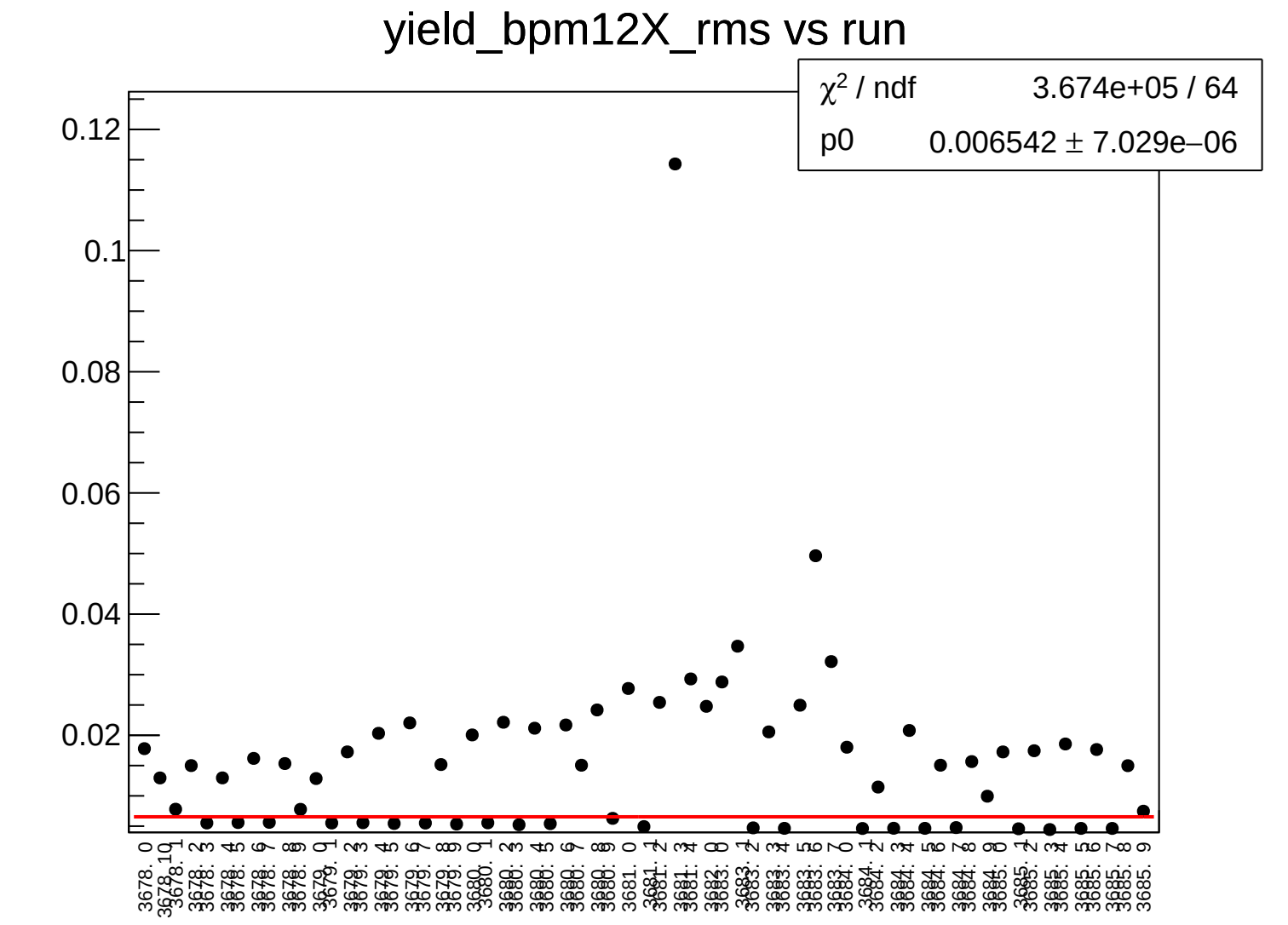

yield_bpm11Y_mean vs run
χ² / ndf 9.764e+05 / 64
p0 1.347 ± 5.337e−06
pull
Entries 65
Mean 218.2
Std Dev 167.9

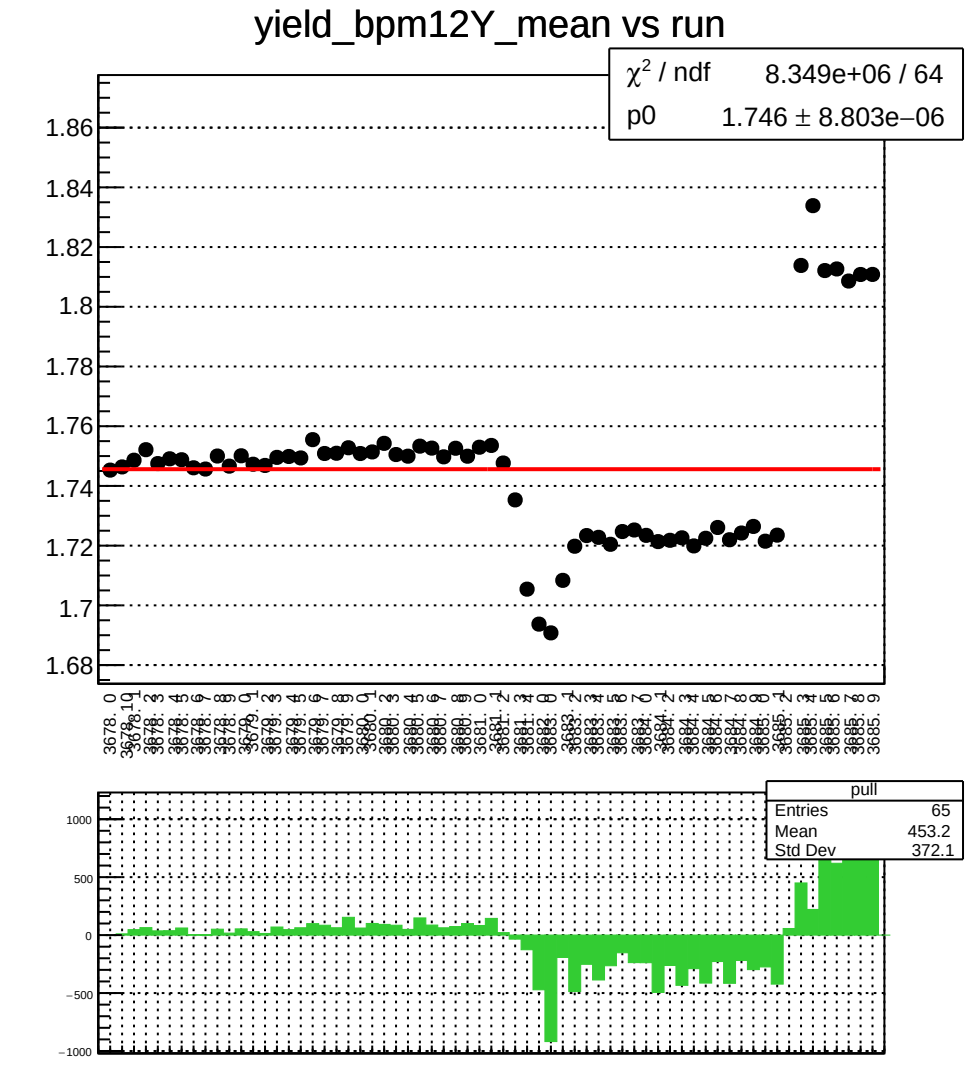

pull1D
Entries 65
Mean −1.206
Std Dev 5.763

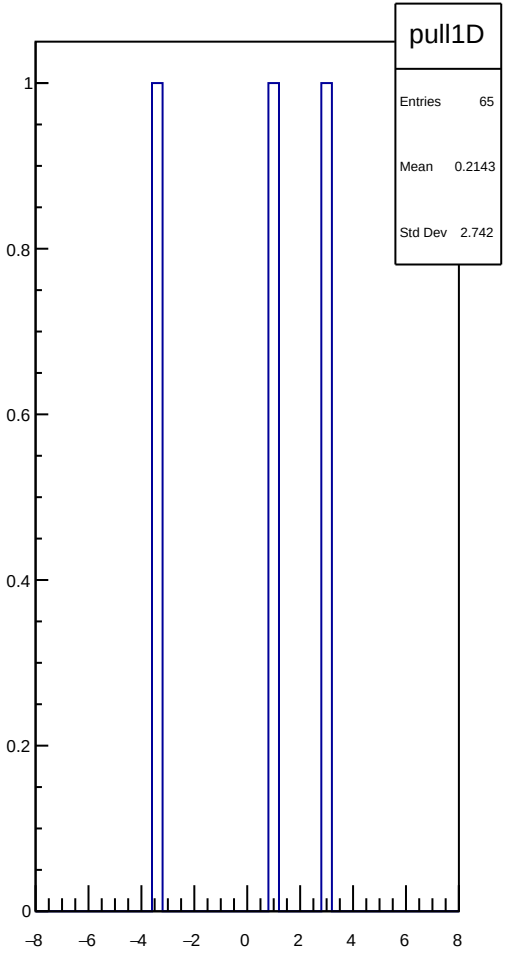

yield_bpm11Y_rms vs run
χ² / ndf 9.367e+04 / 64
p0 0.004029 ± 3.774e−06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

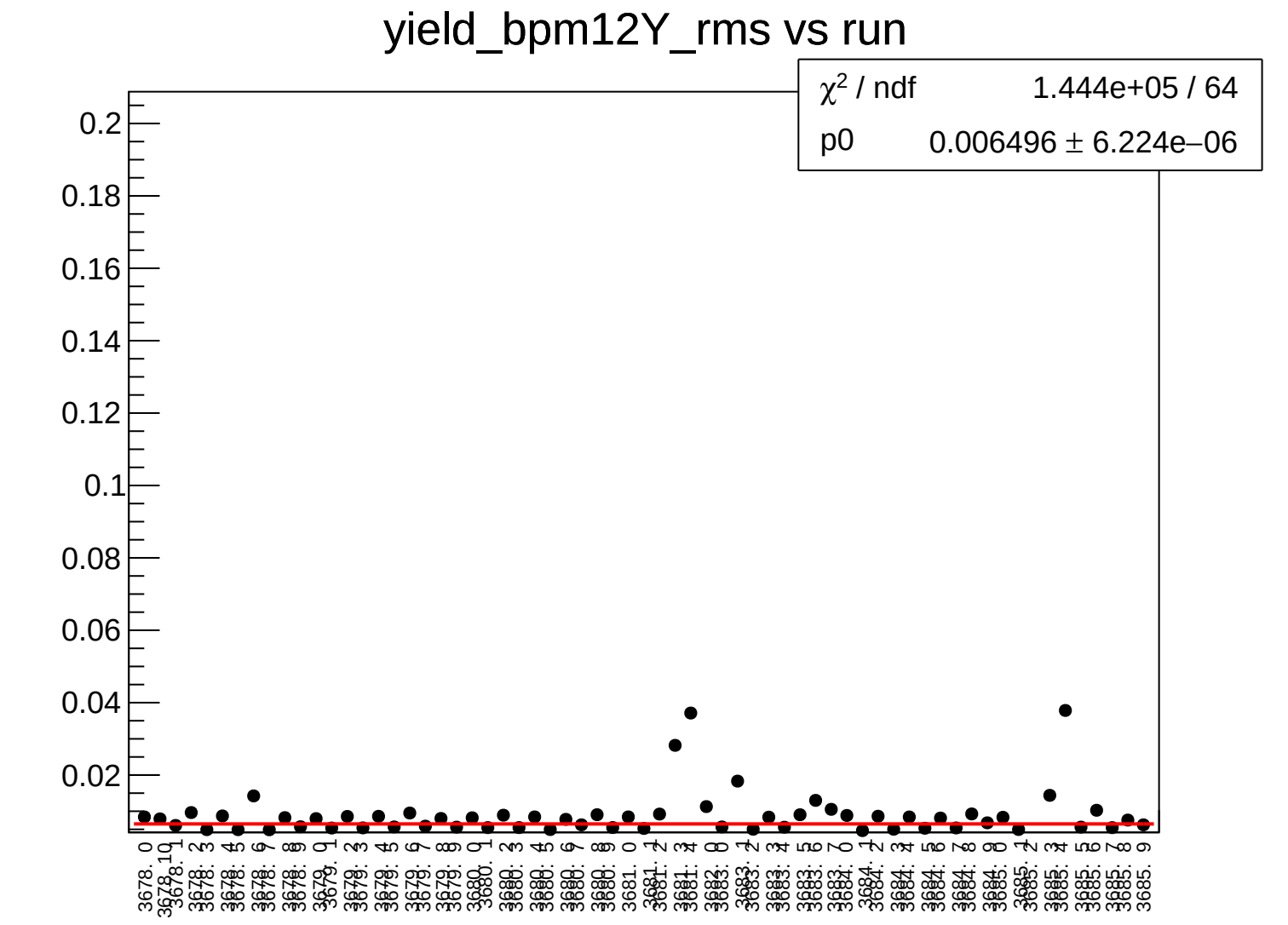

yield_bpm12X_mean vs run
χ² / ndf 7.501e+05 / 64
p0 −0.567 ± 9.941e−06
pull
Entries 65
Mean −139.4
Std Dev 158.9

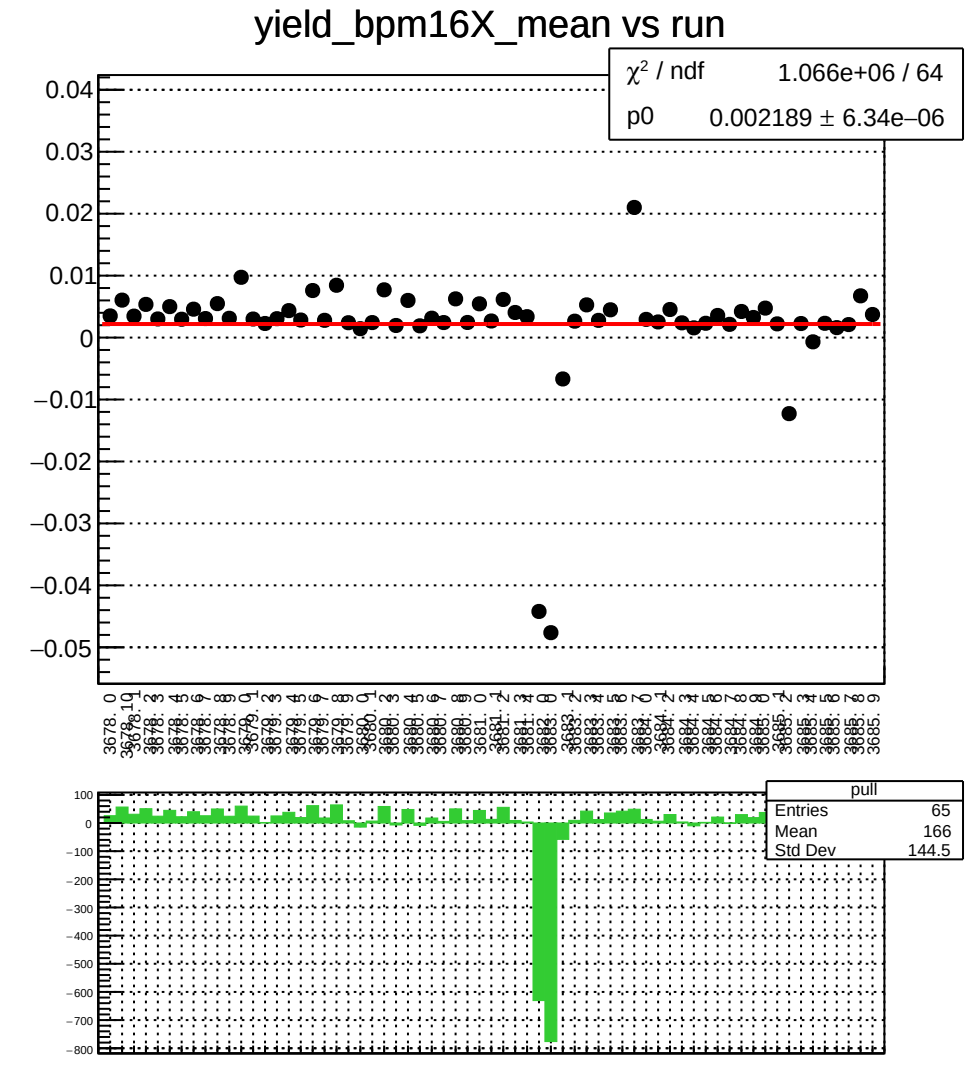

pull1D
Entries 65
Mean −0.5507
Std Dev 4.2

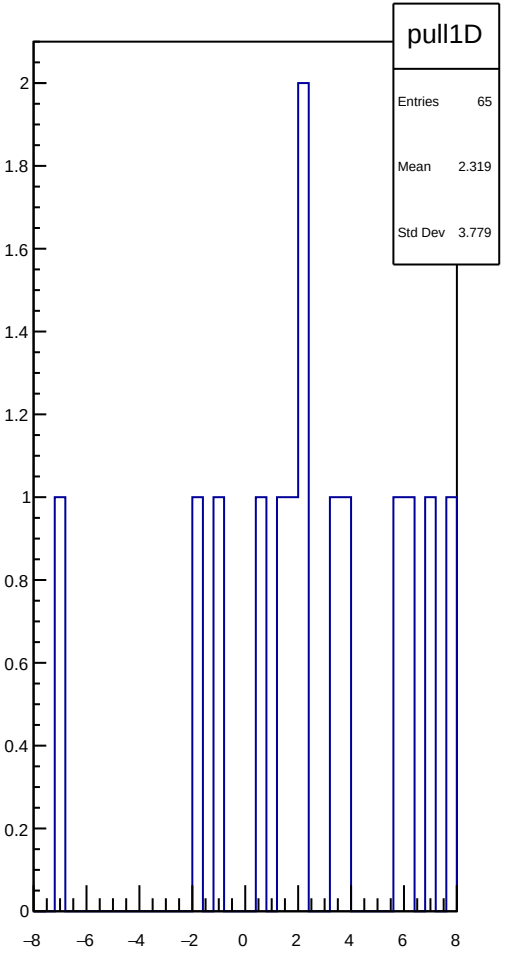

yield_bpm12X_rms vs run
χ² / ndf 3.674e+05 / 64
p0 0.006542 ± 7.029e−06
0.12
0.1
0.08
0.06
0.04
0.02

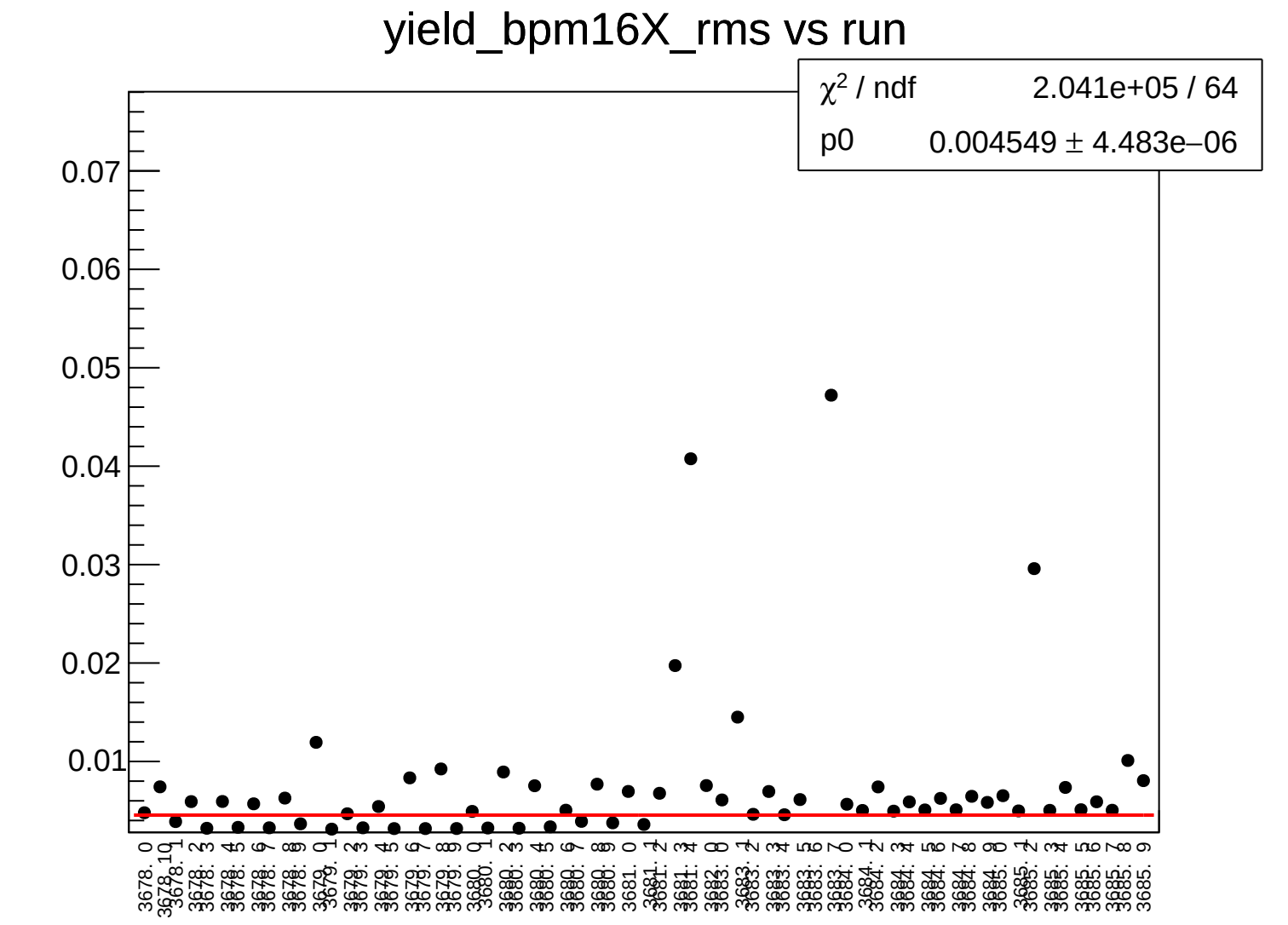

yield_bpm12Y_mean vs run
χ² / ndf 8.349e+06 / 64
p0 1.746 ± 8.803e−06
1.86
1.84
1.82
1.8
1.78
1.76
1.74
1.72
1.7
1.68
pull
Entries 65
Mean 453.2
Std Dev 372.1
1000
500
0
−500
−1000

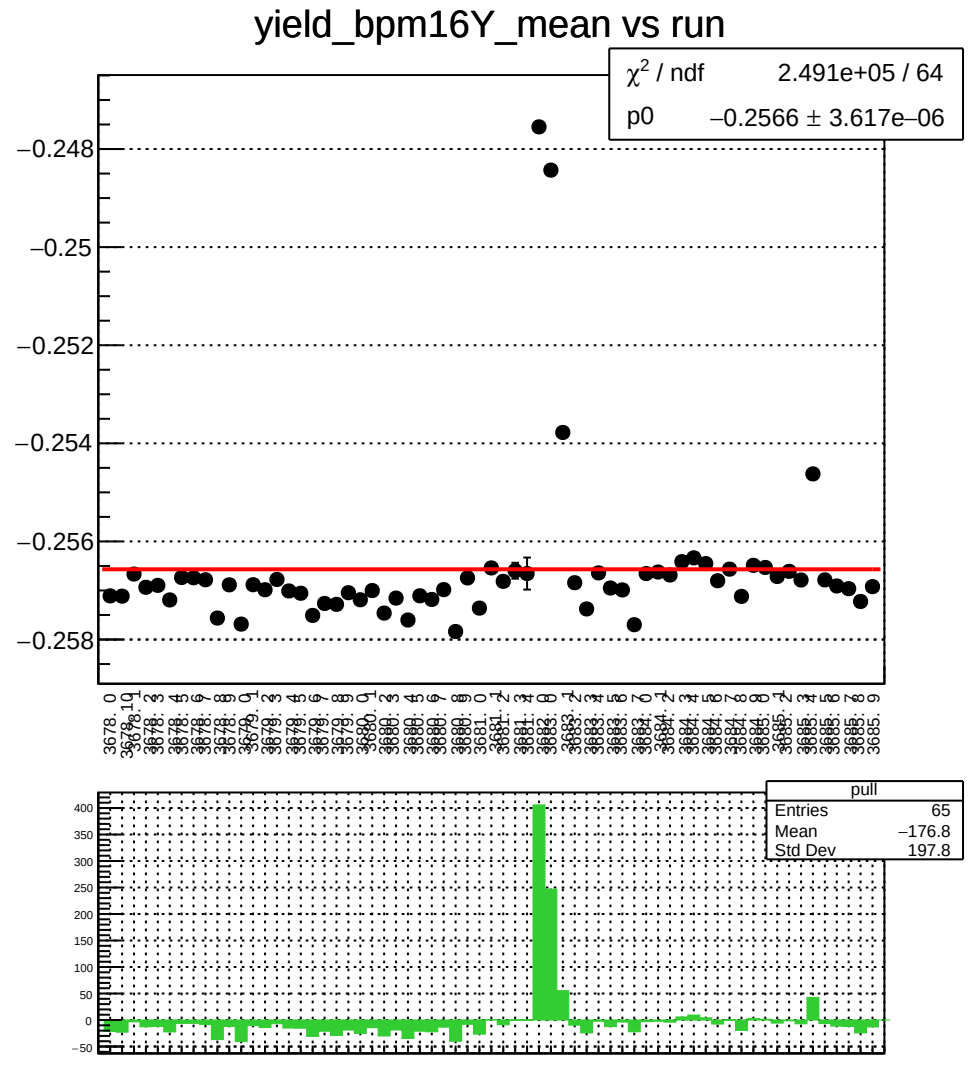

pull1D
Entries 65
Mean 0.2143
Std Dev 2.742
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

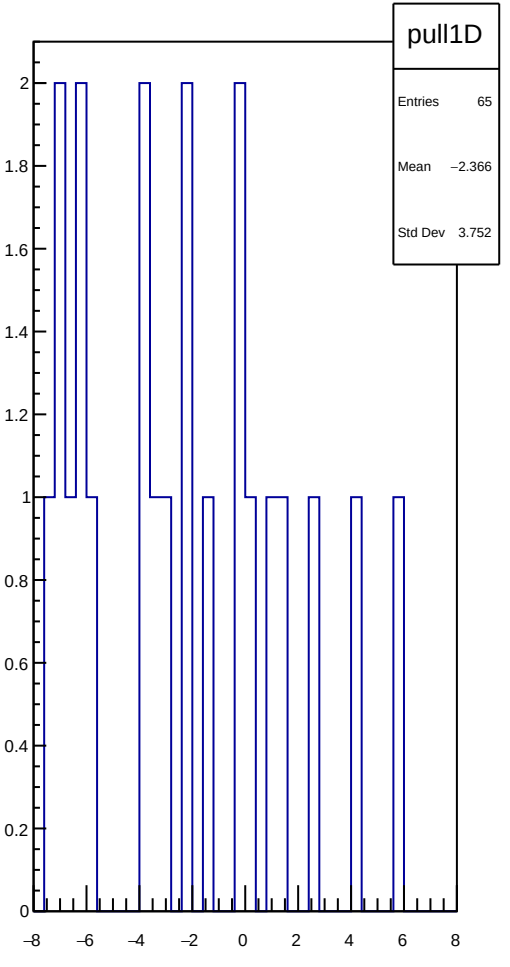

yield_bpm12Y_rms vs run
χ² / ndf 1.444e+05 / 64
p0 0.006496 ± 6.224e−06
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

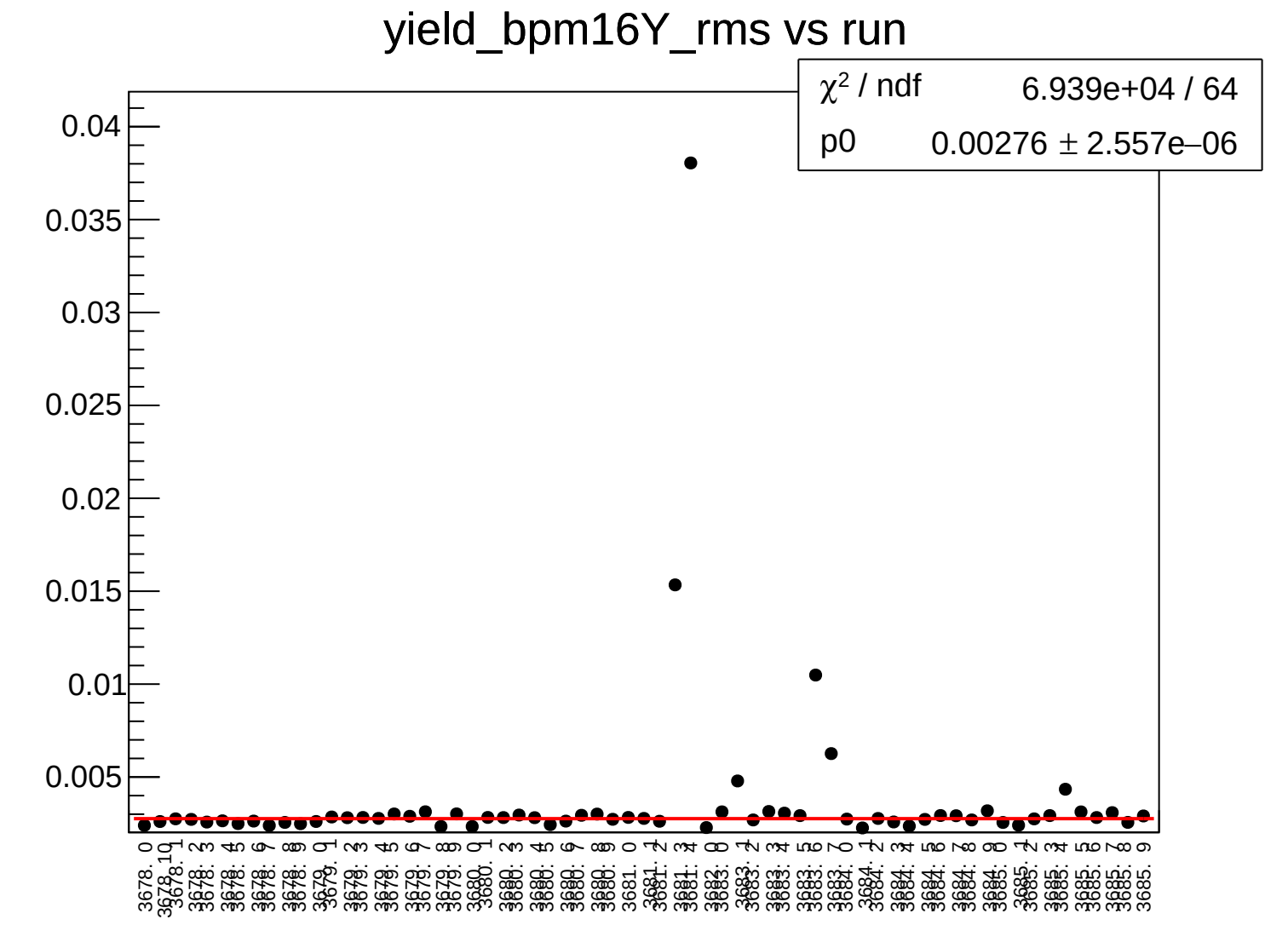

yield_bpm16X_mean vs run
χ² / ndf 1.066e+06 / 64
p0 0.002189 ± 6.34e−06
pull
Entries 65
Mean 166
Std Dev 144.5

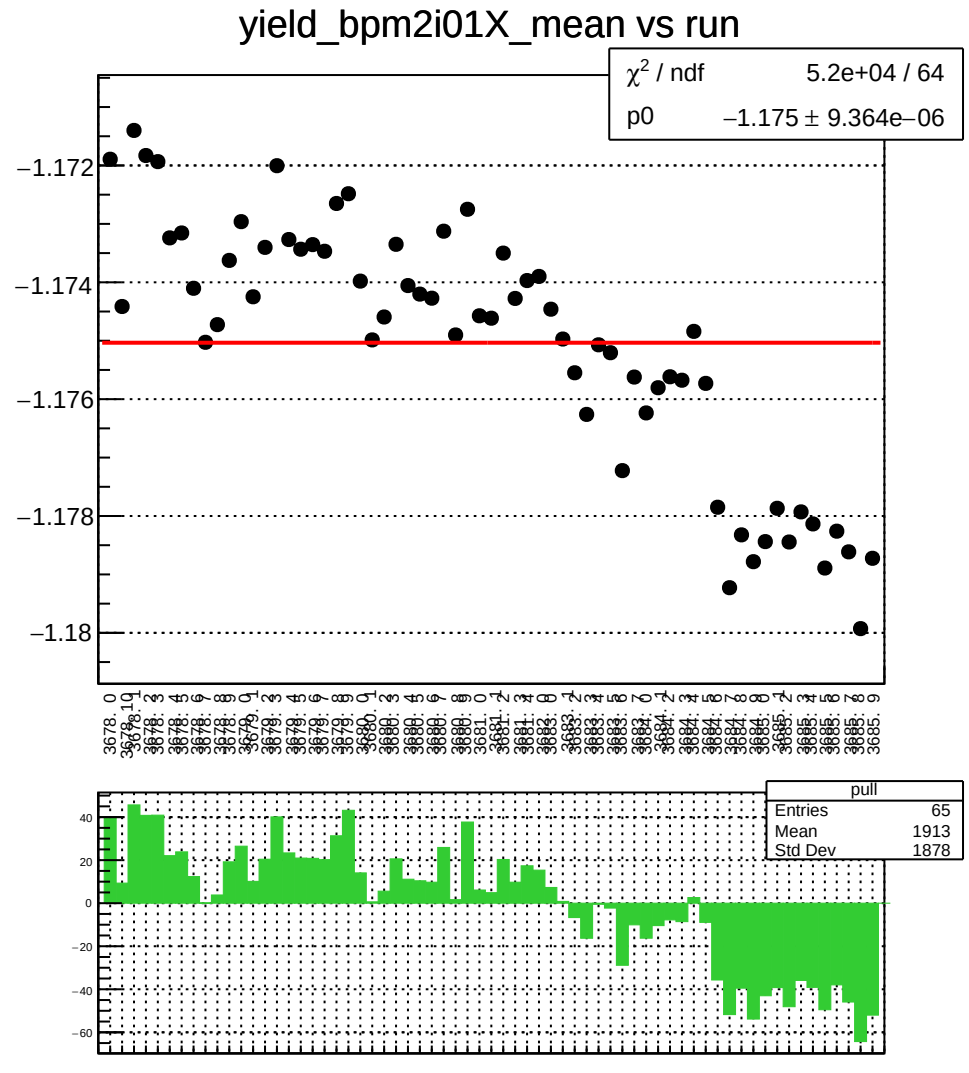

pull1D
Entries 65
Mean 2.319
Std Dev 3.779

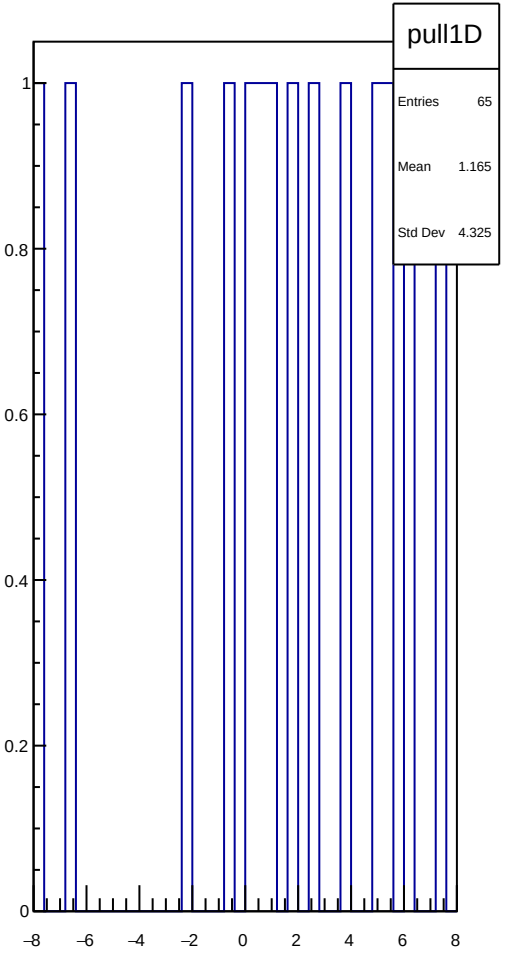

yield_bpm16X_rms vs run
χ² / ndf 2.041e+05 / 64
p0 0.004549 ± 4.483e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

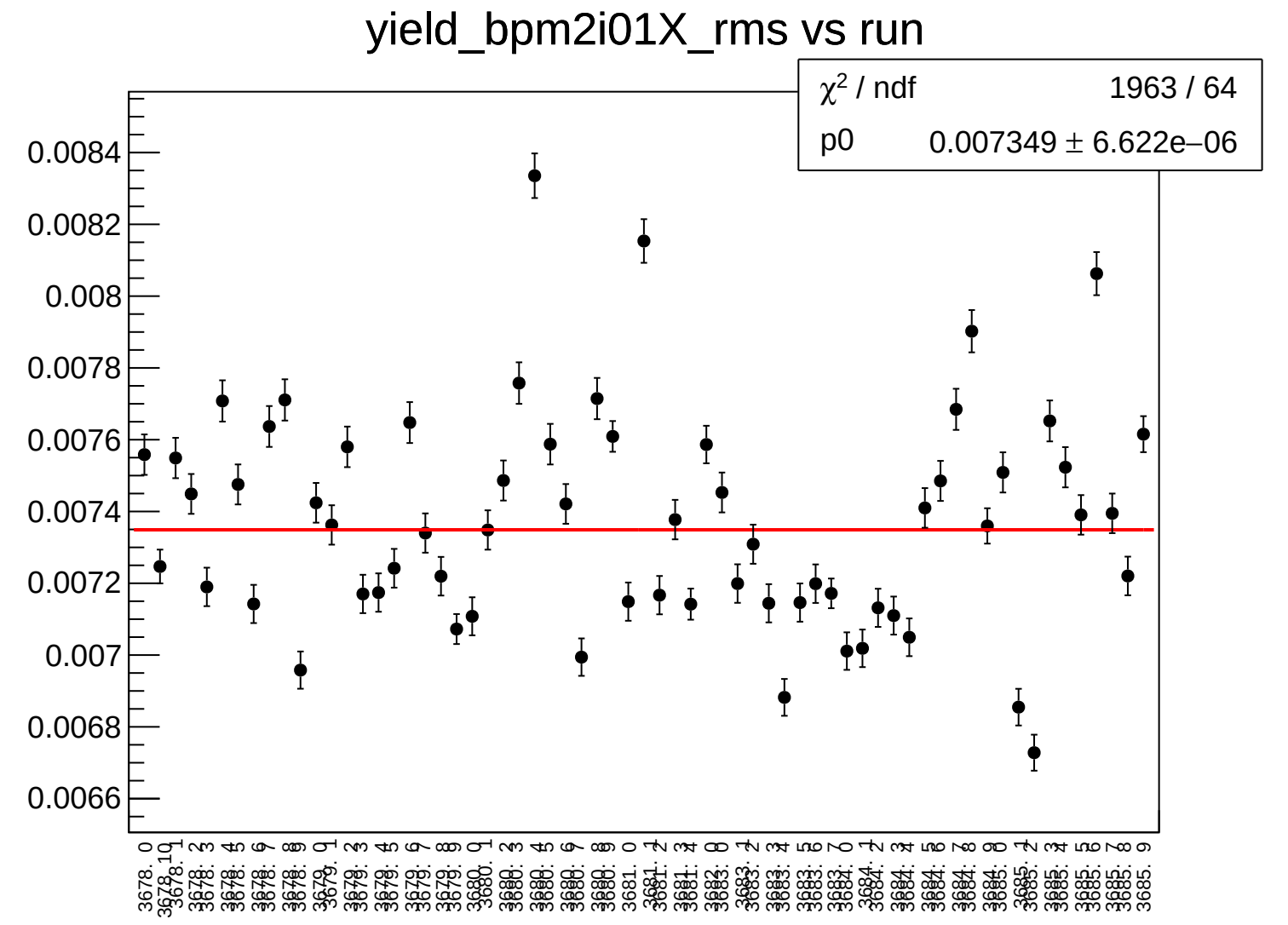

yield_bpm16Y_mean vs run
χ² / ndf 2.491e+05 / 64
p0 −0.2566 ± 3.617e−06
−0.248
−0.25
−0.252
−0.254
−0.256
−0.258
pull
Entries 65
Mean −176.8
Std Dev 197.8
400
350
300
250
200
150
100
50
0
−50

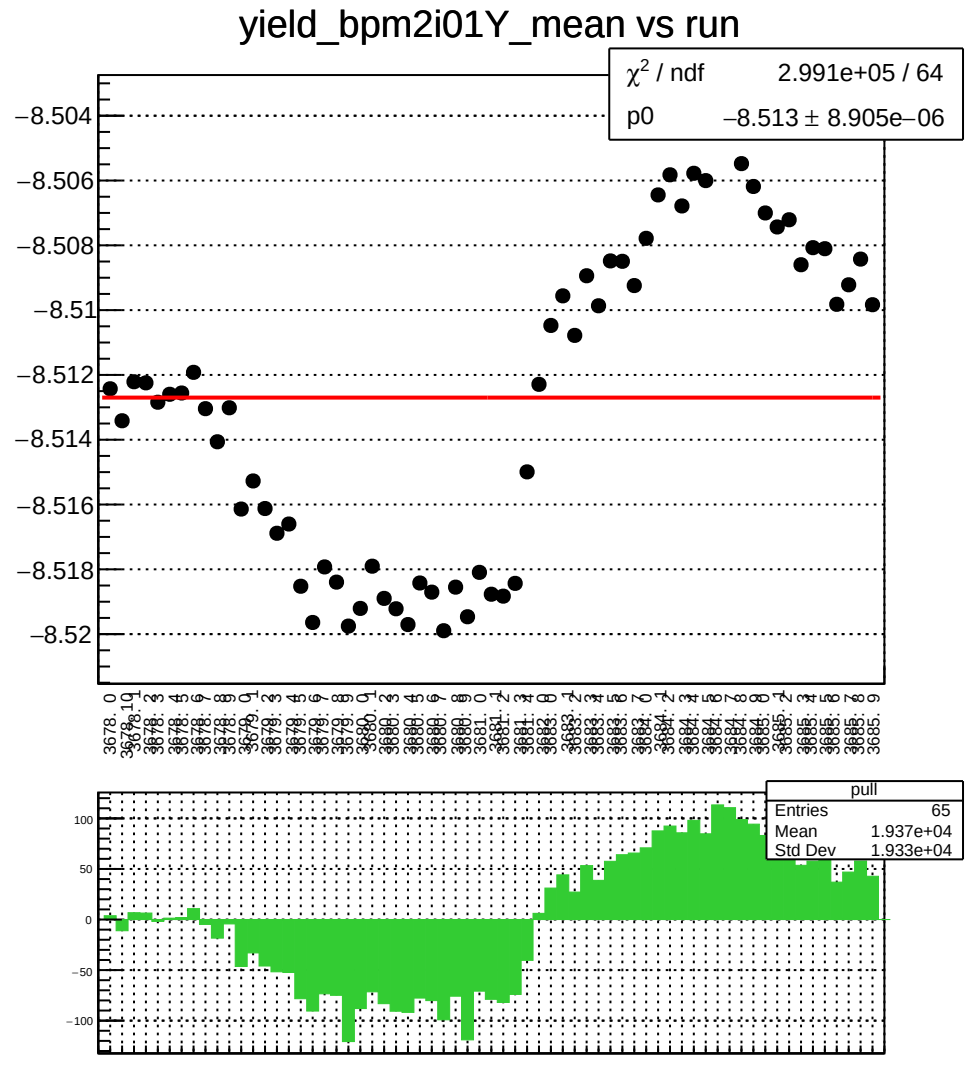

pull1D
Entries 65
Mean −2.366
Std Dev 3.752
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

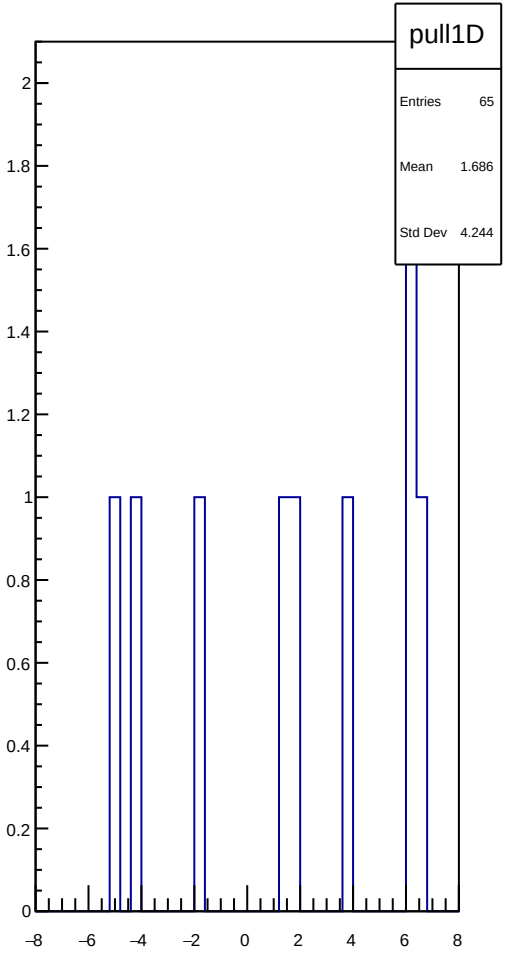

yield_bpm16Y_rms vs run
χ² / ndf 6.939e+04 / 64
p0 0.00276 ± 2.557e–06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

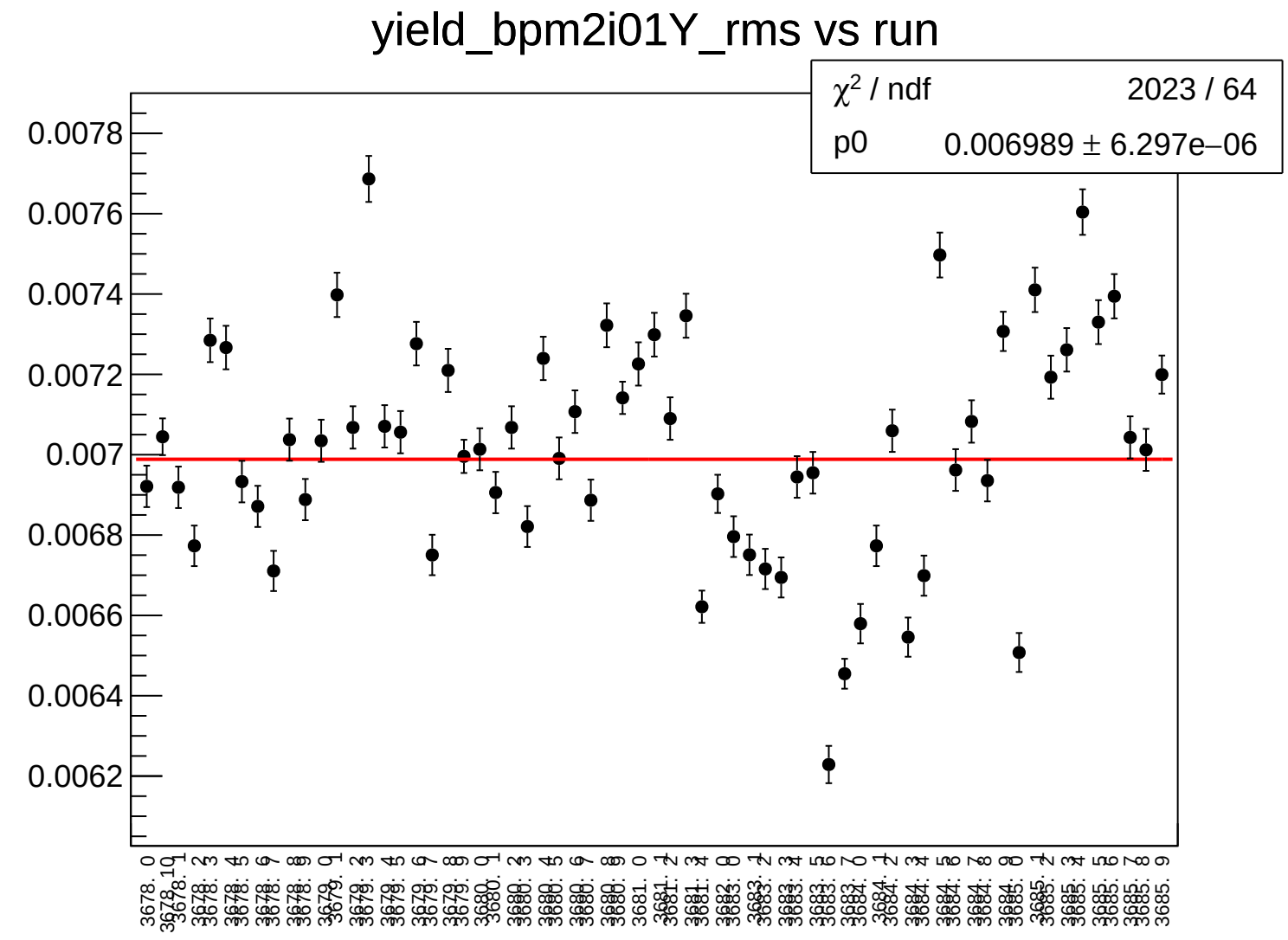

yield_bpm2i01X_mean vs run
χ² / ndf 5.2e+04 / 64
p0 −1.175 ± 9.364e−06
−1.172
−1.174
−1.176
−1.178
−1.18
pull
Entries 65
Mean 1913
Std Dev 1878
40
20
0
−20
−40
−60

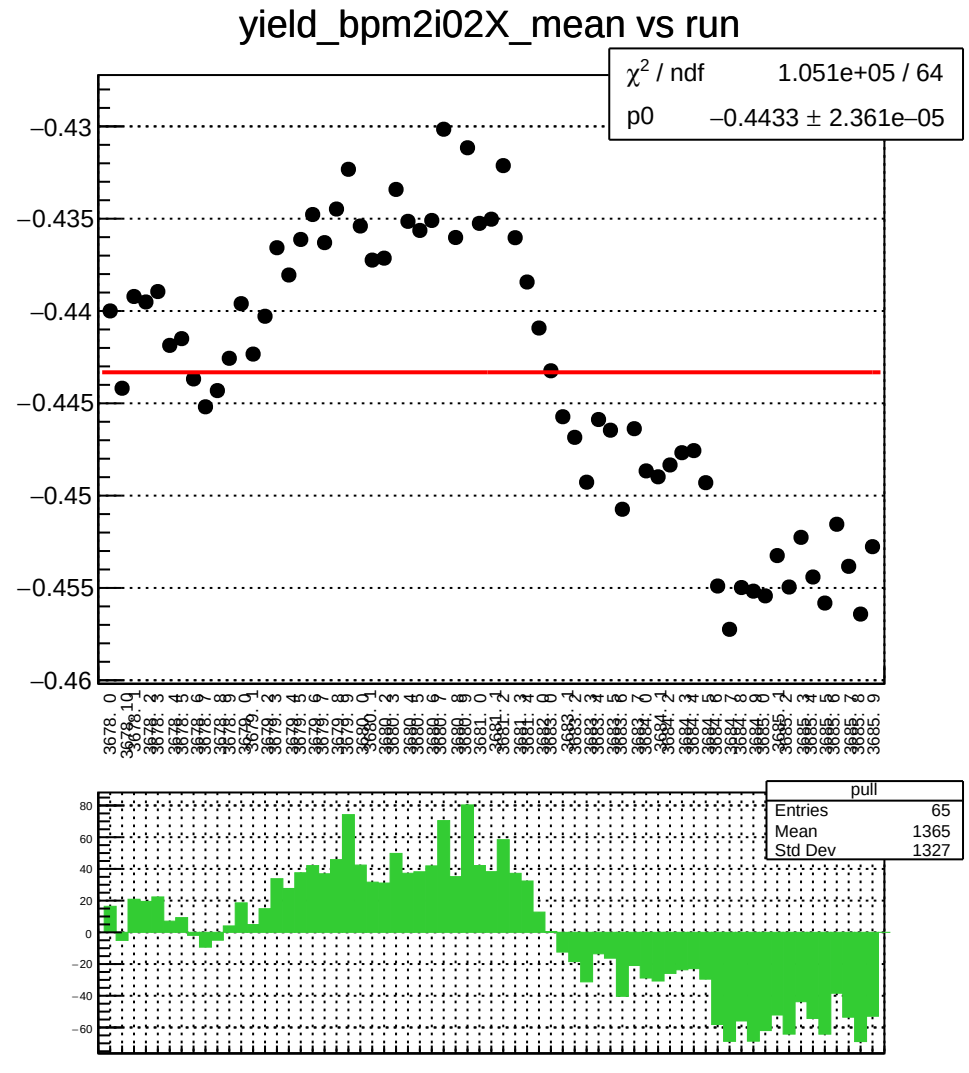

pull1D
Entries 65
Mean 1.165
Std Dev 4.325
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

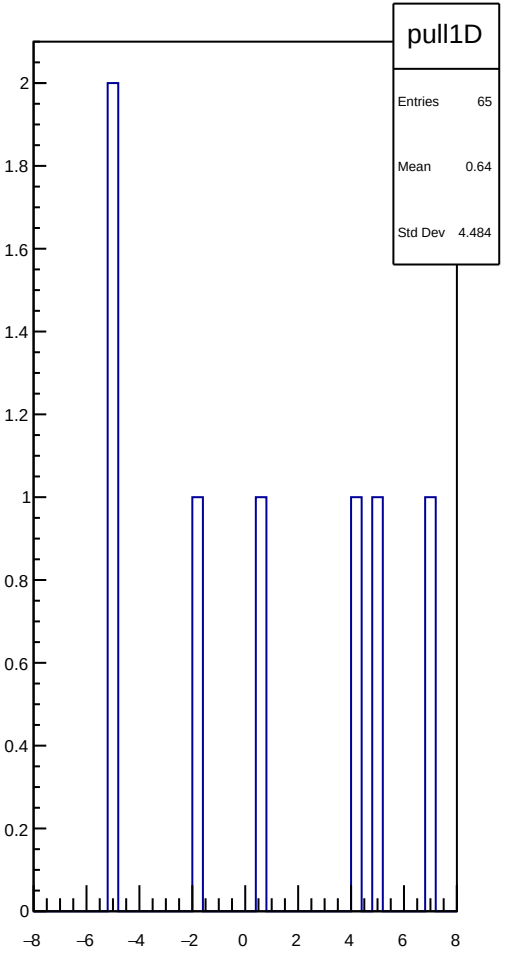

yield_bpm2i01X_rms vs run
χ² / ndf 1963 / 64
p0 0.007349 ± 6.622e−06
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066

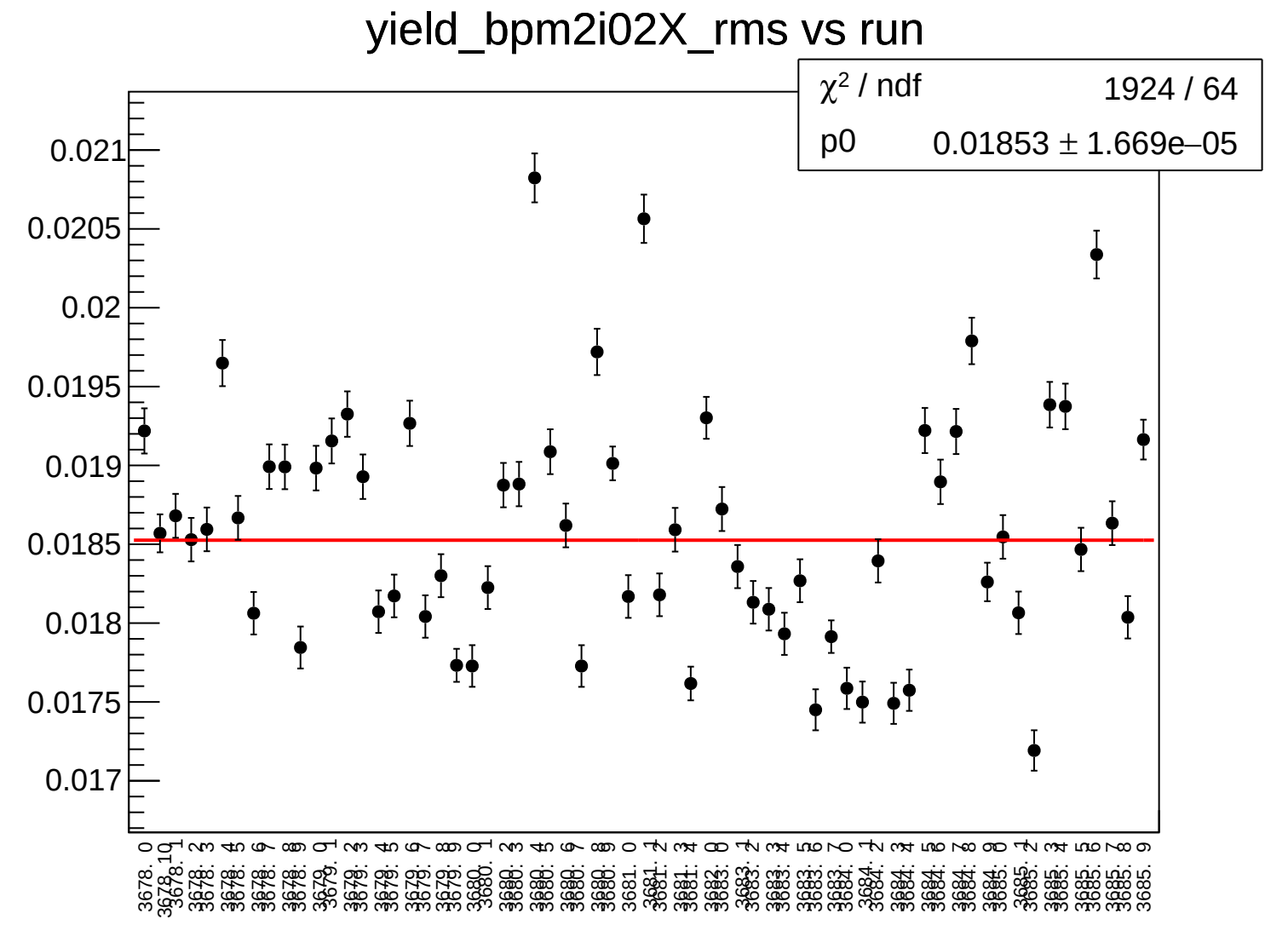

yield_bpm2i01Y_mean vs run
χ² / ndf 2.991e+05 / 64
p0 −8.513 ± 8.905e−06
−8.504
−8.506
−8.508
−8.51
−8.512
−8.514
−8.516
−8.518
−8.52
pull
Entries 65
Mean 1.937e+04
Std Dev 1.933e+04
100
50
0
−50
−100

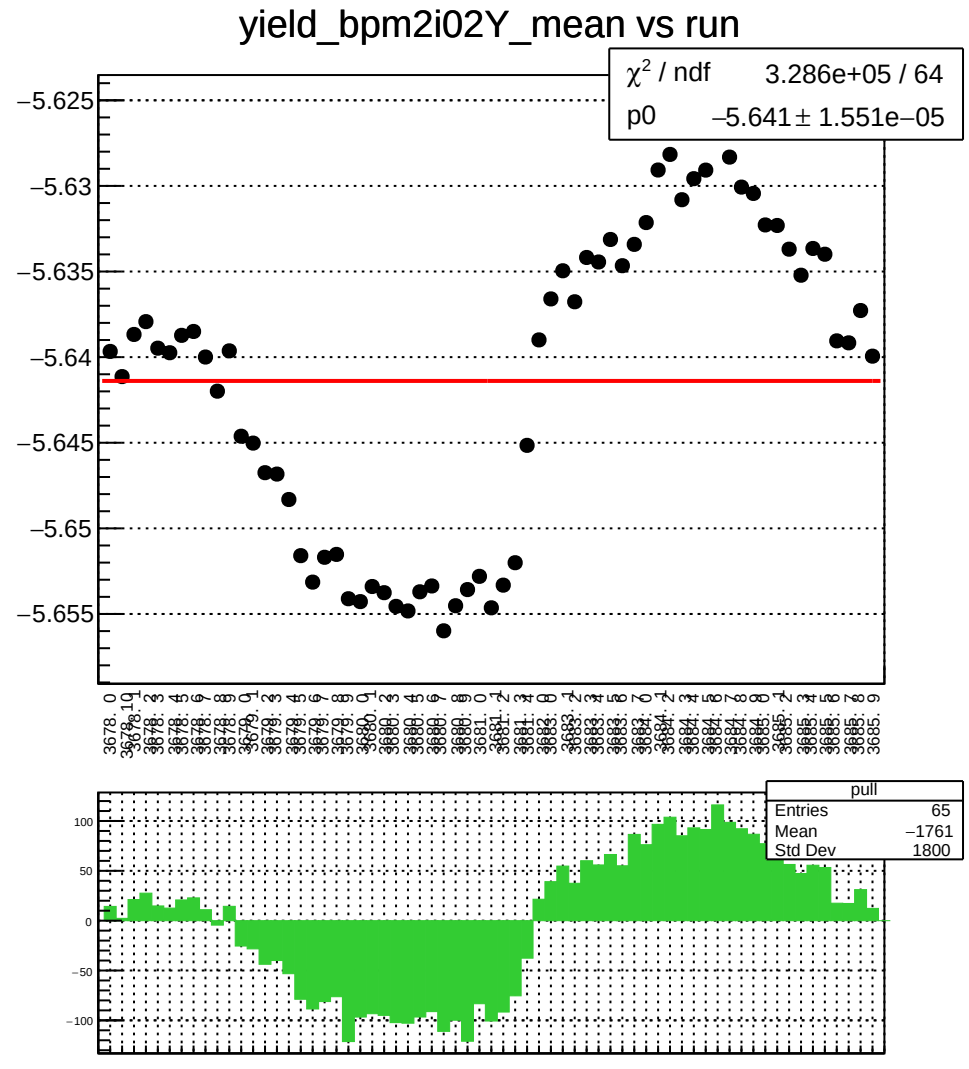

pull1D
Entries 65
Mean 1.686
Std Dev 4.244
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

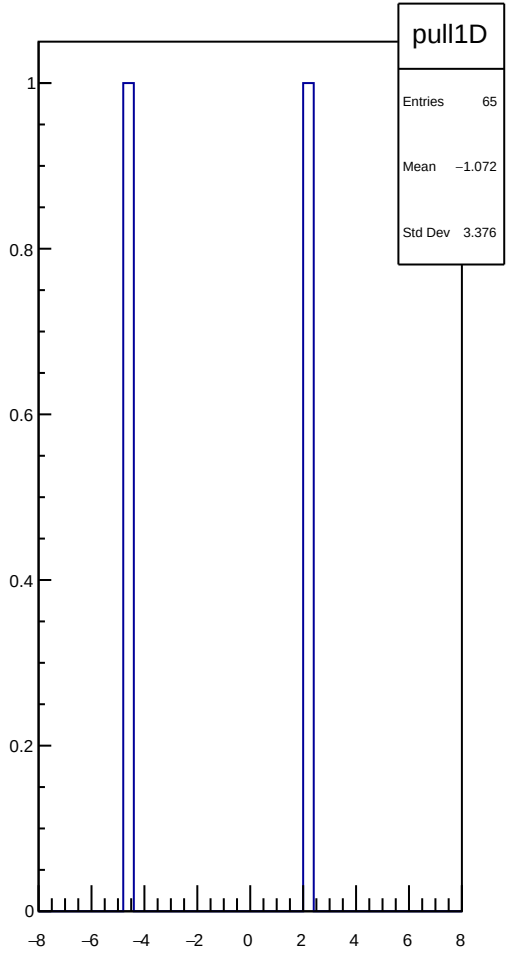

yield_bpm2i01Y_rms vs run
χ² / ndf 2023 / 64
p0 0.006989 ± 6.297e−06
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062

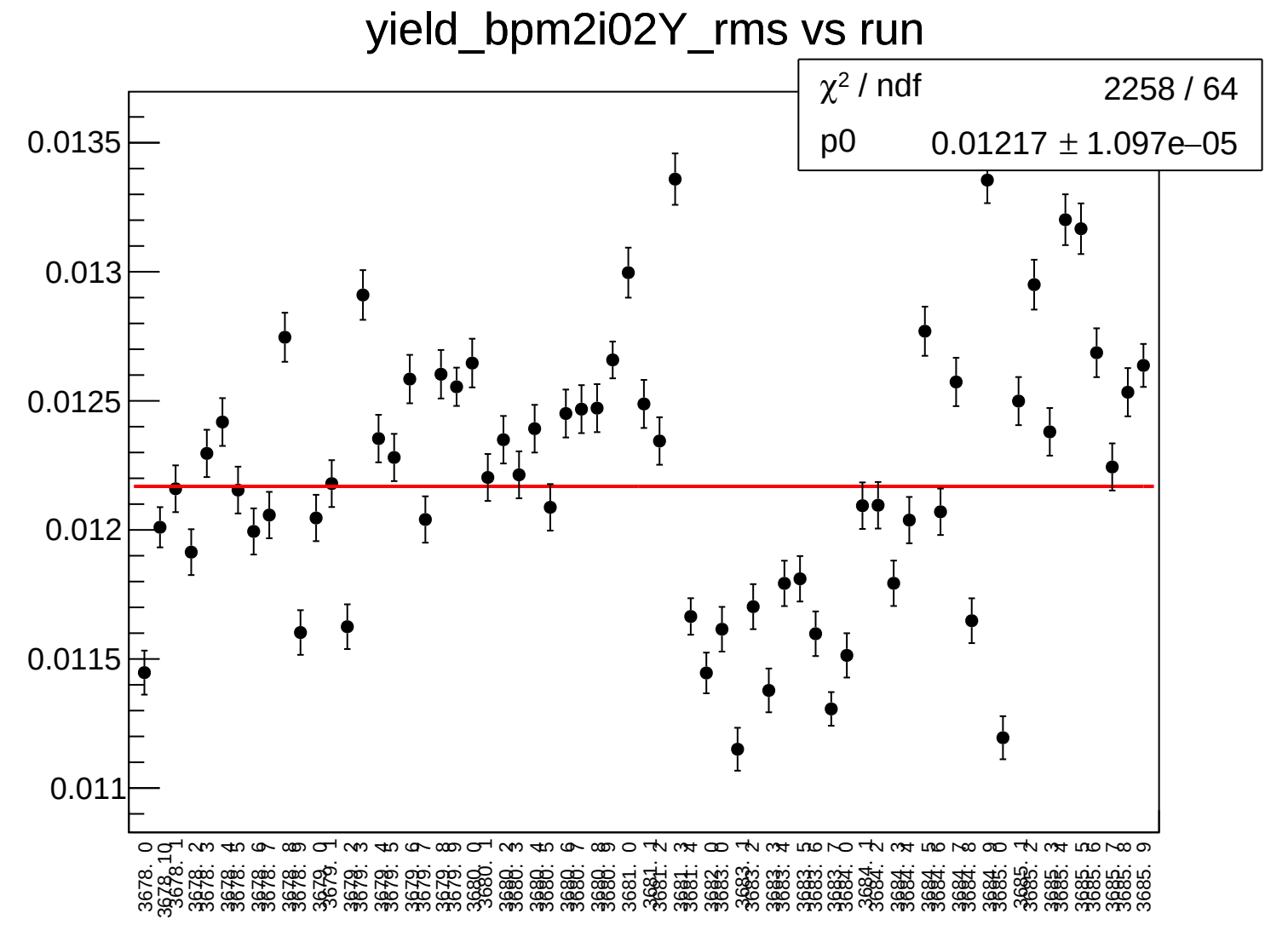

yield_bpm2i02X_mean vs run
χ² / ndf 1.051e+05 / 64
p0 −0.4433 ± 2.361e−05
−0.43
−0.435
−0.44
−0.445
−0.45
−0.455
−0.46
pull
Entries 65
Mean 1365
Std Dev 1327
80
60
40
20
0
−20
−40
−60

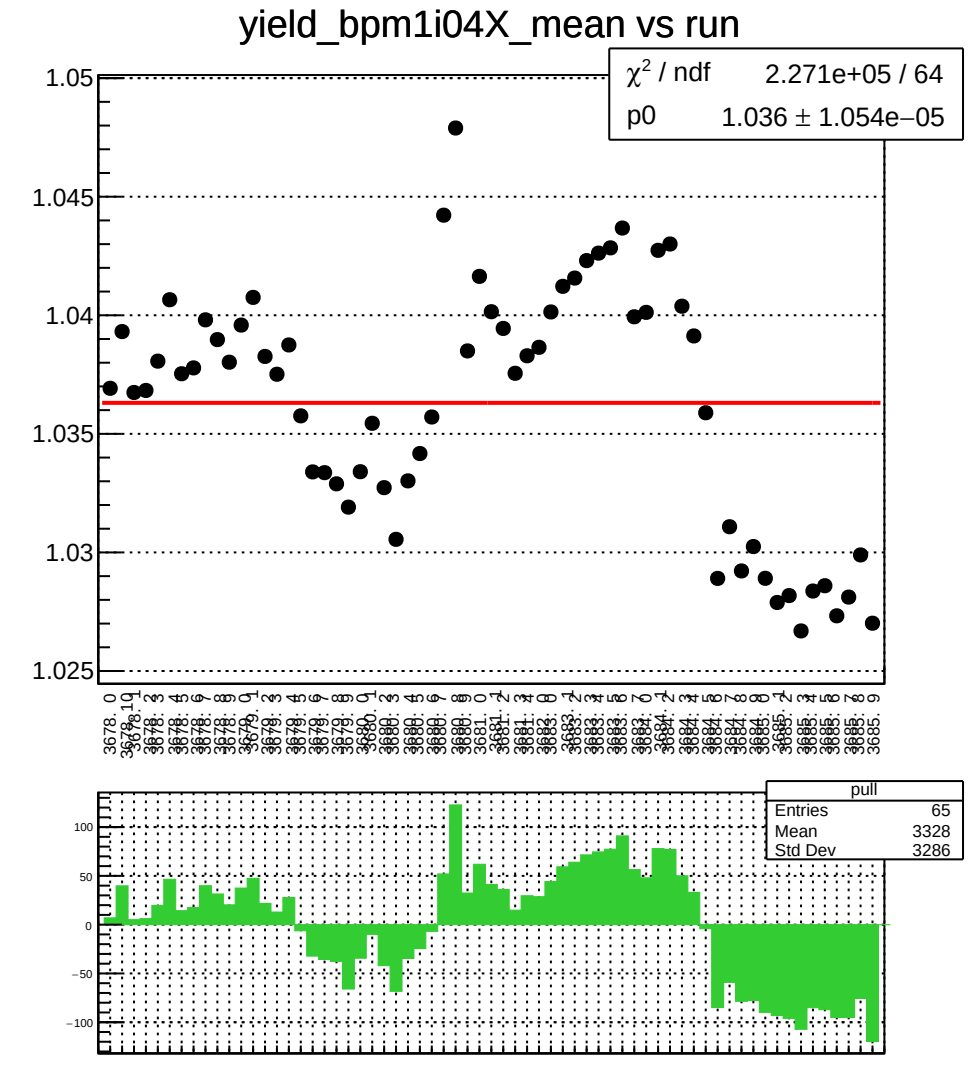

pull1D
Entries 65
Mean 0.64
Std Dev 4.484
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

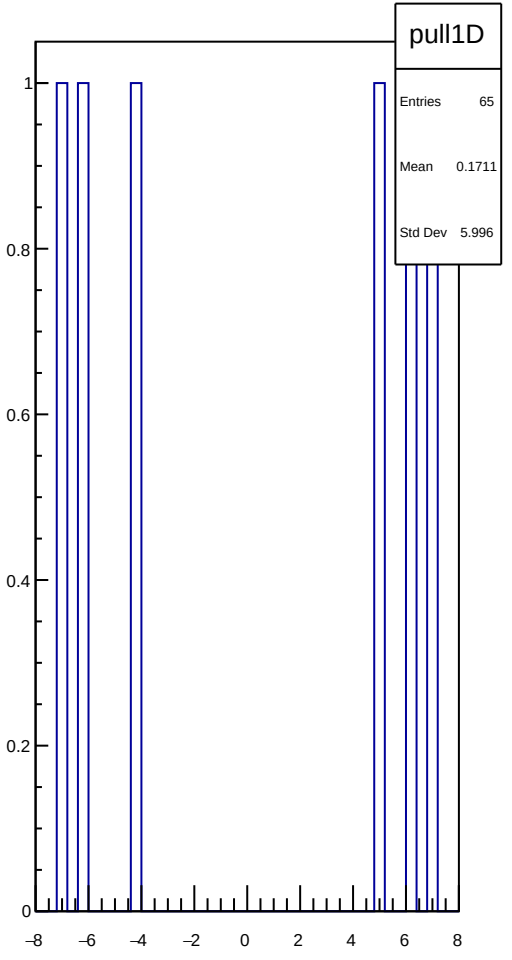

yield_bpm2i02X_rms vs run
χ² / ndf 1924 / 64
p0 0.01853 ± 1.669e–05
0.021
0.0205
0.02
0.0195
0.019
0.0185
0.018
0.0175
0.017

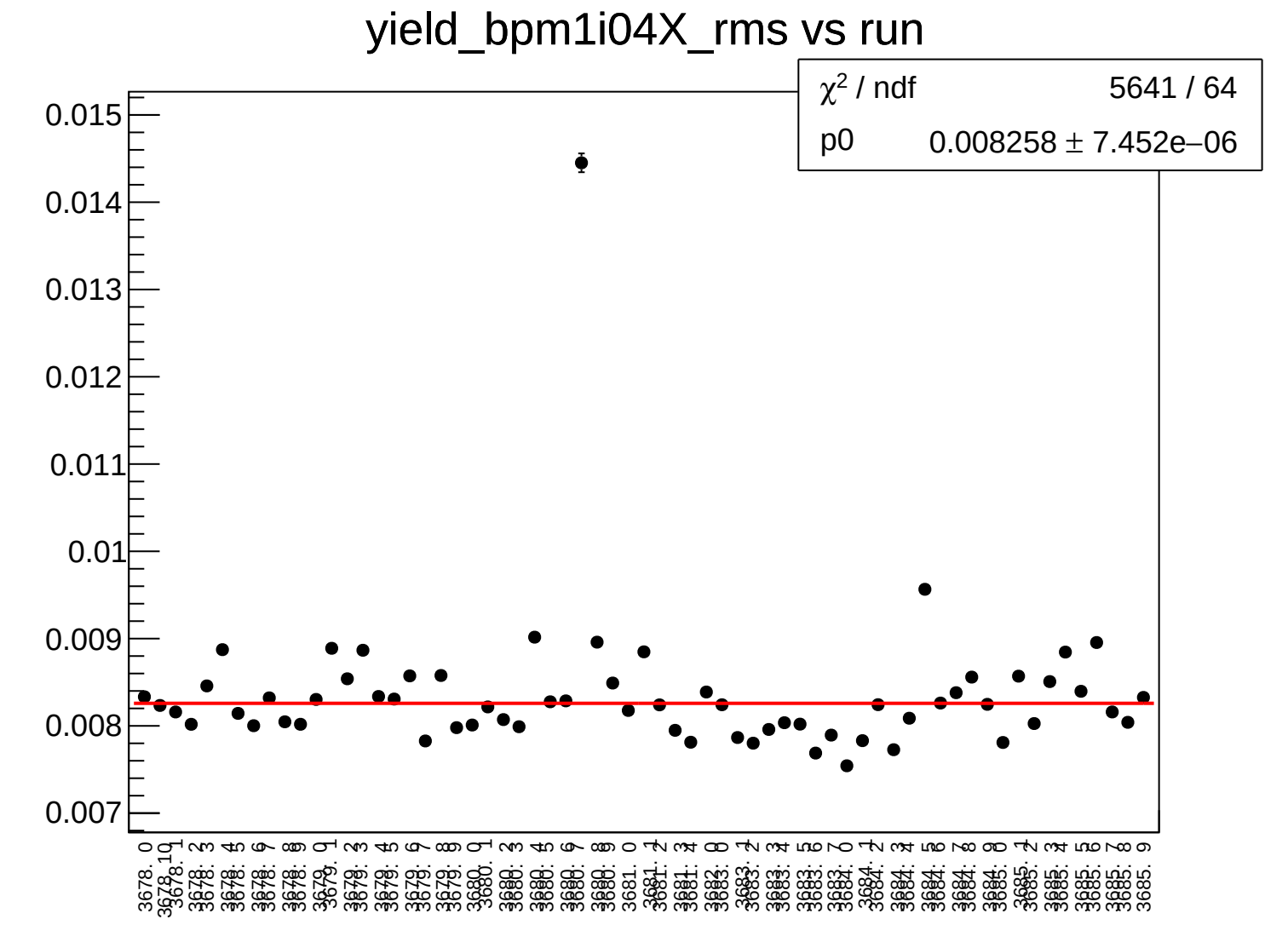

yield_bpm2i02Y_mean vs run
χ² / ndf 3.286e+05 / 64
p0 −5.641 ± 1.551e−05
−5.625
−5.63
−5.635
−5.64
−5.645
−5.65
−5.655
pull
Entries 65
Mean −1761
Std Dev 1800
100
50
0
−50
−100

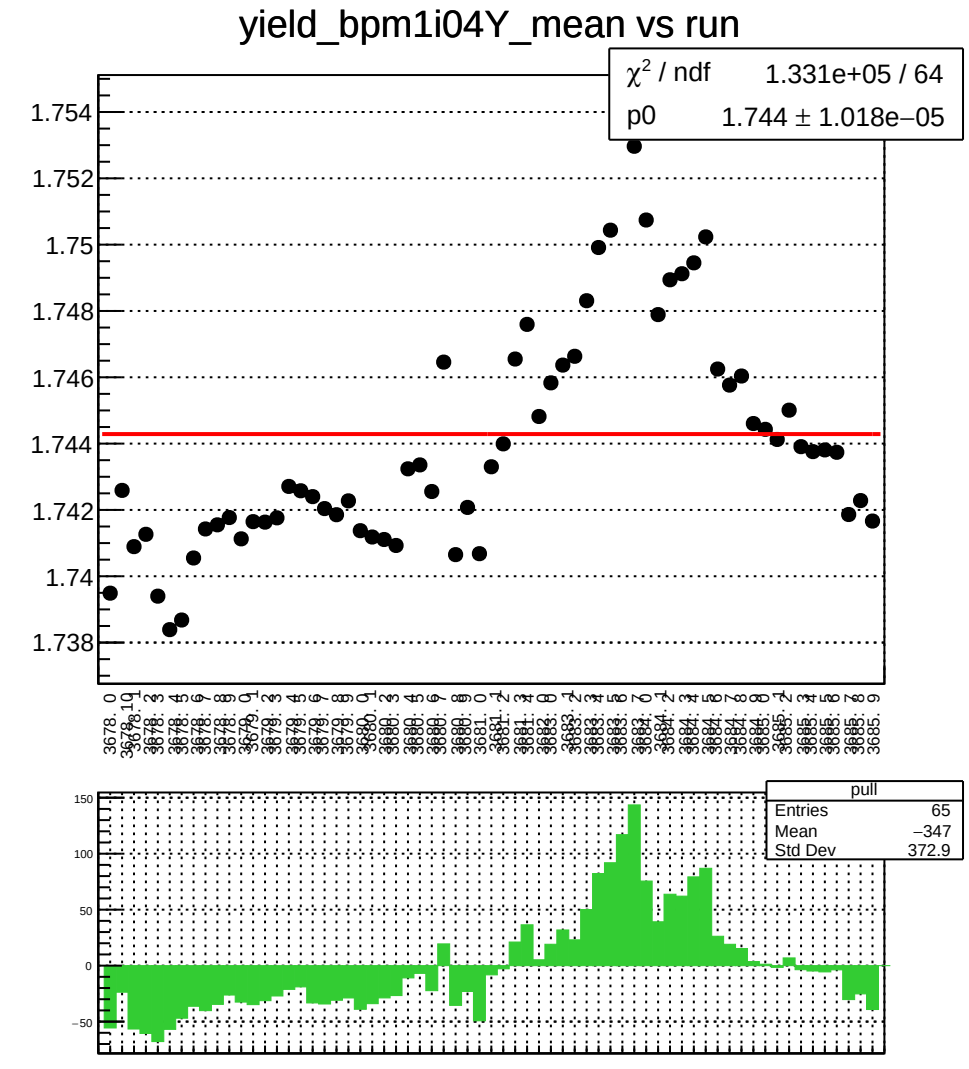

pull1D
Entries 65
Mean −1.072
Std Dev 3.376
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

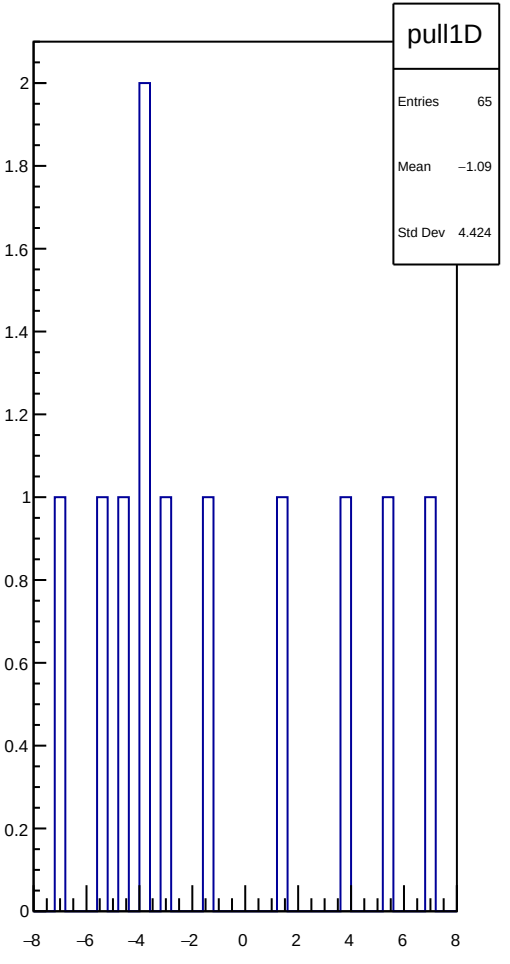

yield_bpm2i02Y_rms vs run
χ² / ndf 2258 / 64
p0 0.01217 ± 1.097e–05
0.0135
0.013
0.0125
0.012
0.0115
0.011

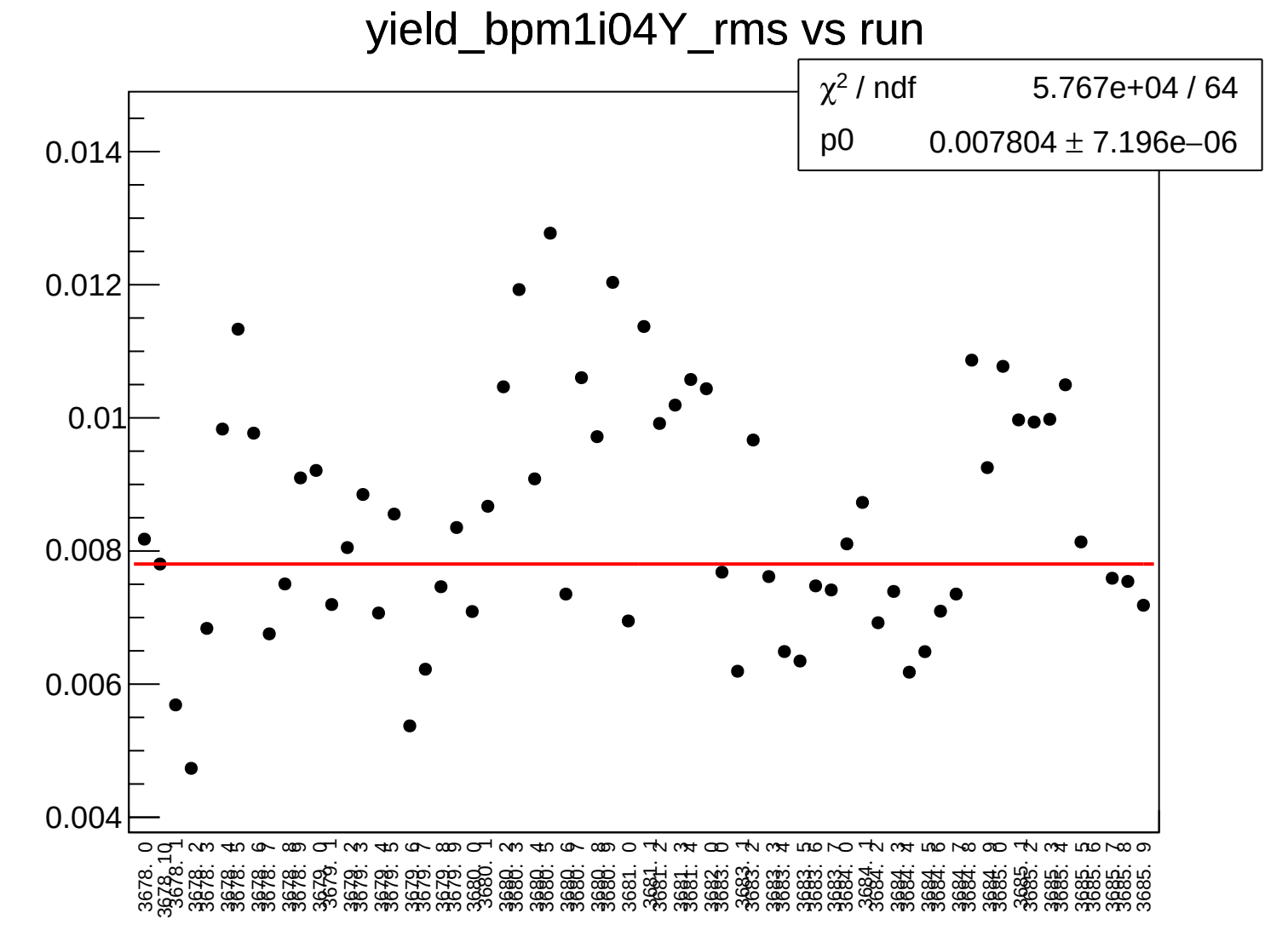

yield_bpm1i04X_mean vs run
χ² / ndf 2.271e+05 / 64
p0 1.036 ± 1.054e−05
1.05
1.045
1.04
1.035
1.03
1.025
pull
Entries 65
Mean 3328
Std Dev 3286
100
50
0
−50
−100

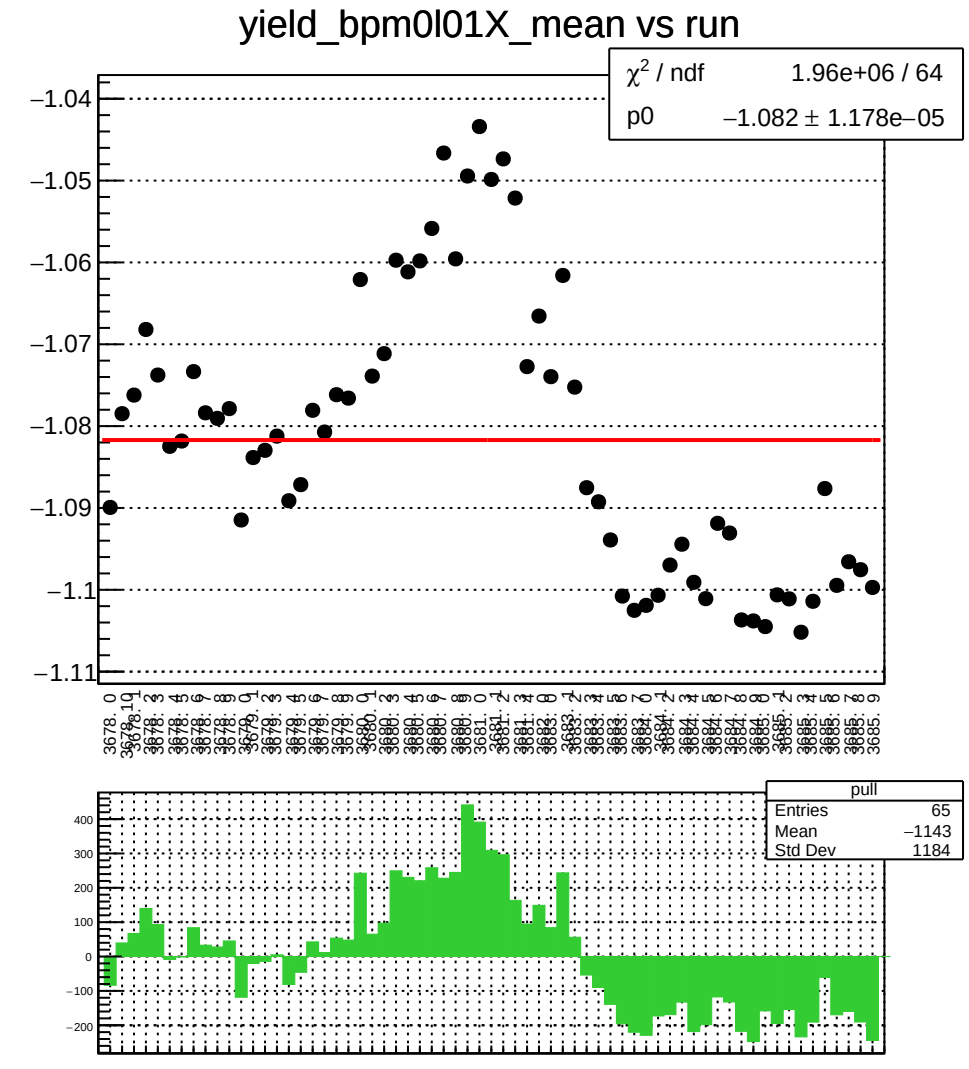

pull1D
Entries 65
Mean 0.1711
Std Dev 5.996
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

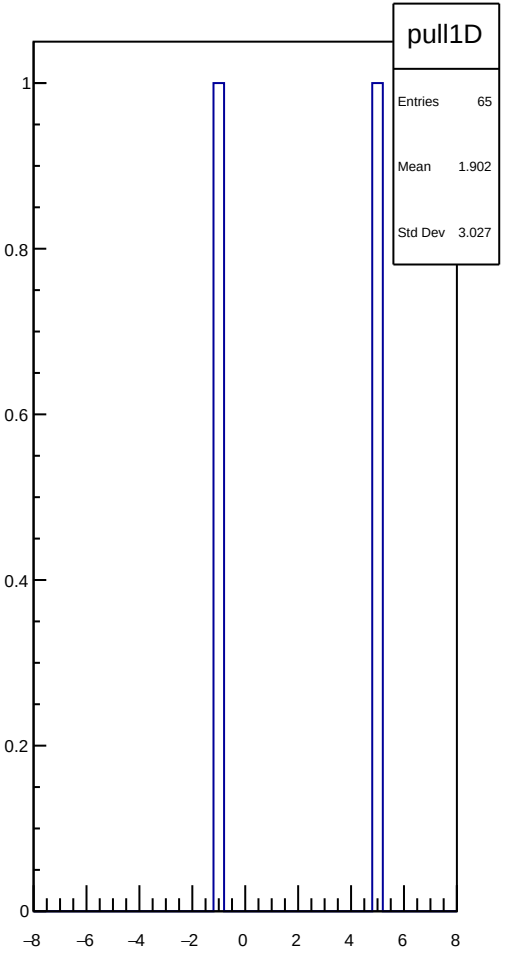

yield_bpm1i04X_rms vs run
χ² / ndf 5641 / 64
p0 0.008258 ± 7.452e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007

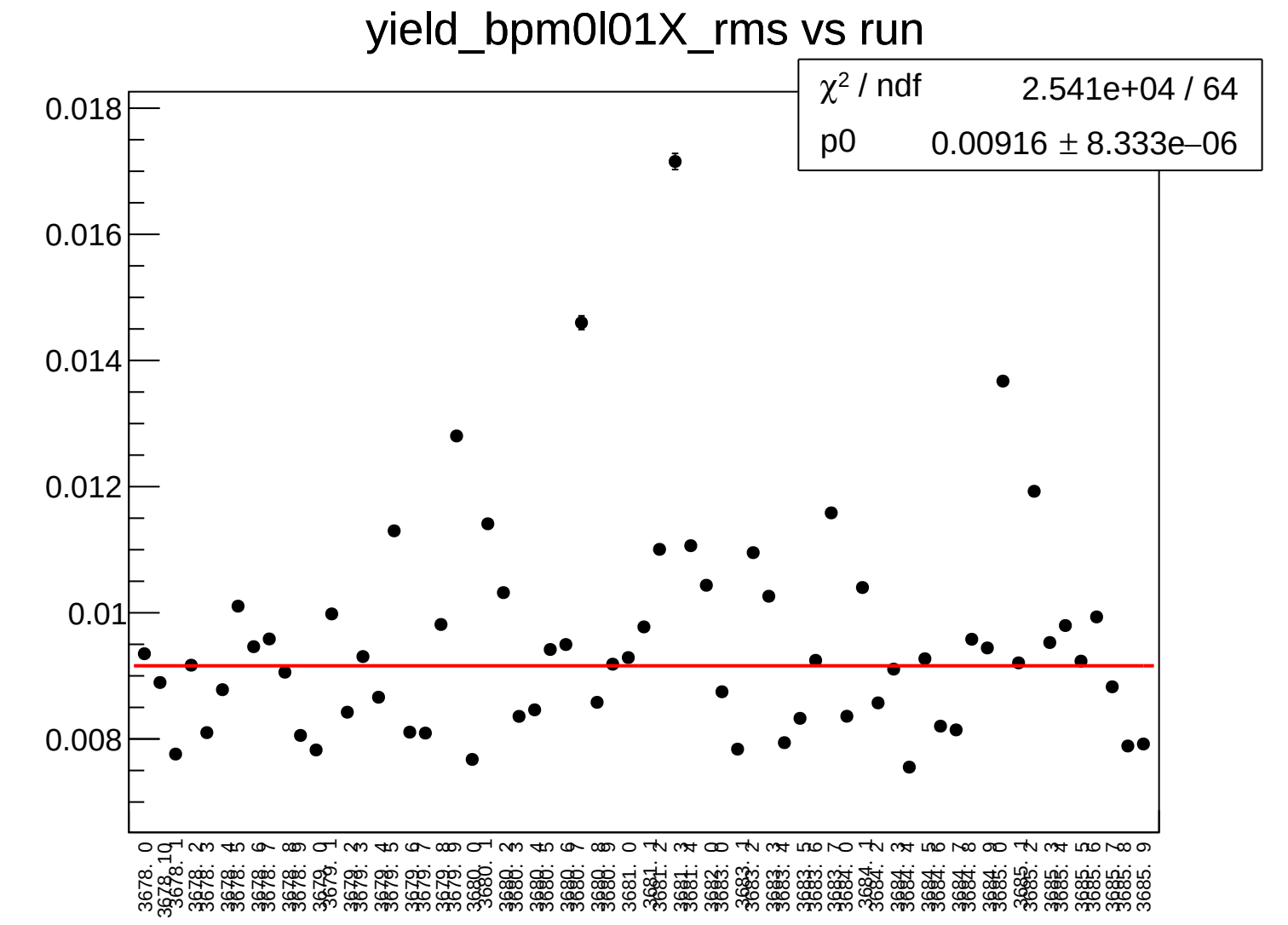

yield_bpm1i04Y_mean vs run
χ² / ndf 1.331e+05 / 64
p0 1.744 ± 1.018e−05
1.754
1.752
1.75
1.748
1.746
1.744
1.742
1.74
1.738
pull
Entries 65
Mean −347
Std Dev 372.9
150
100
50
0
−50

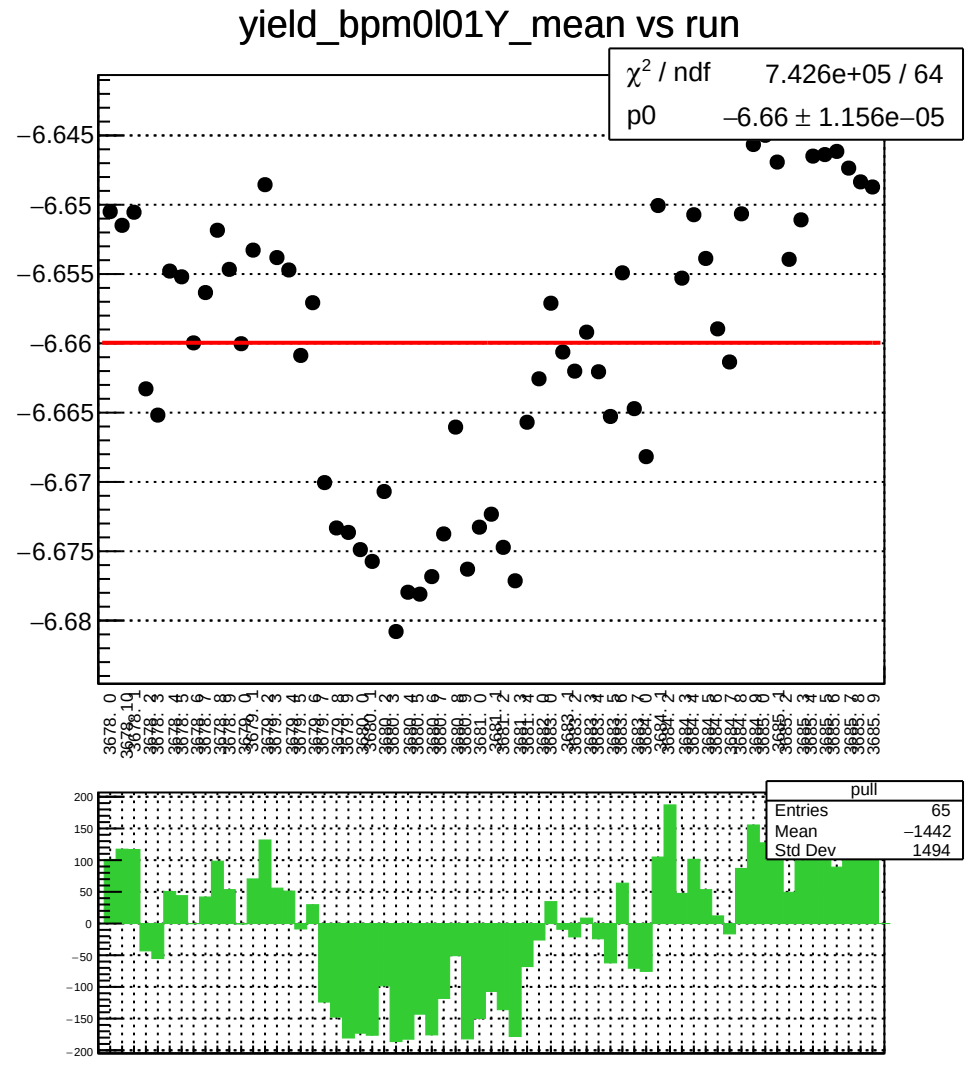

pull1D
Entries 65
Mean −1.09
Std Dev 4.424
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

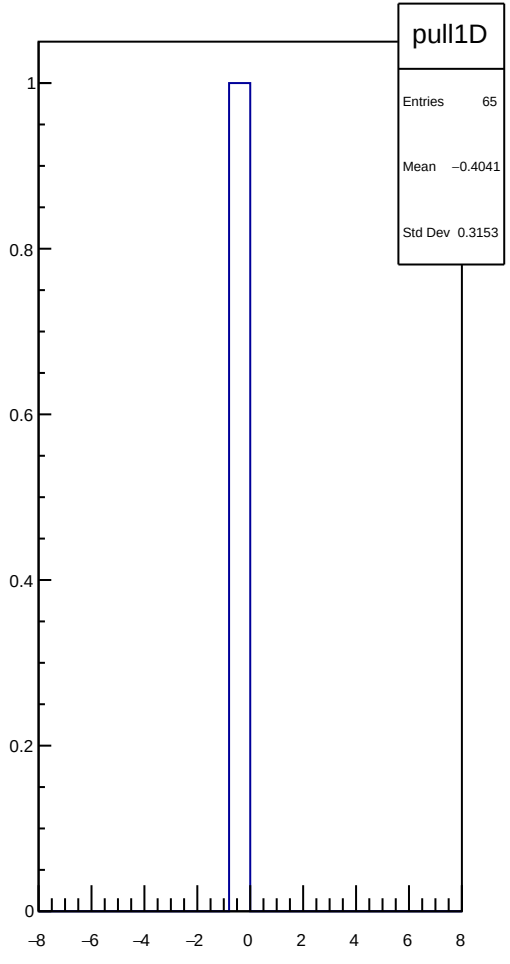

yield_bpm1i04Y_rms vs run
χ² / ndf 5.767e+04 / 64
p0 0.007804 ± 7.196e−06
0.014
0.012
0.01
0.008
0.006
0.004

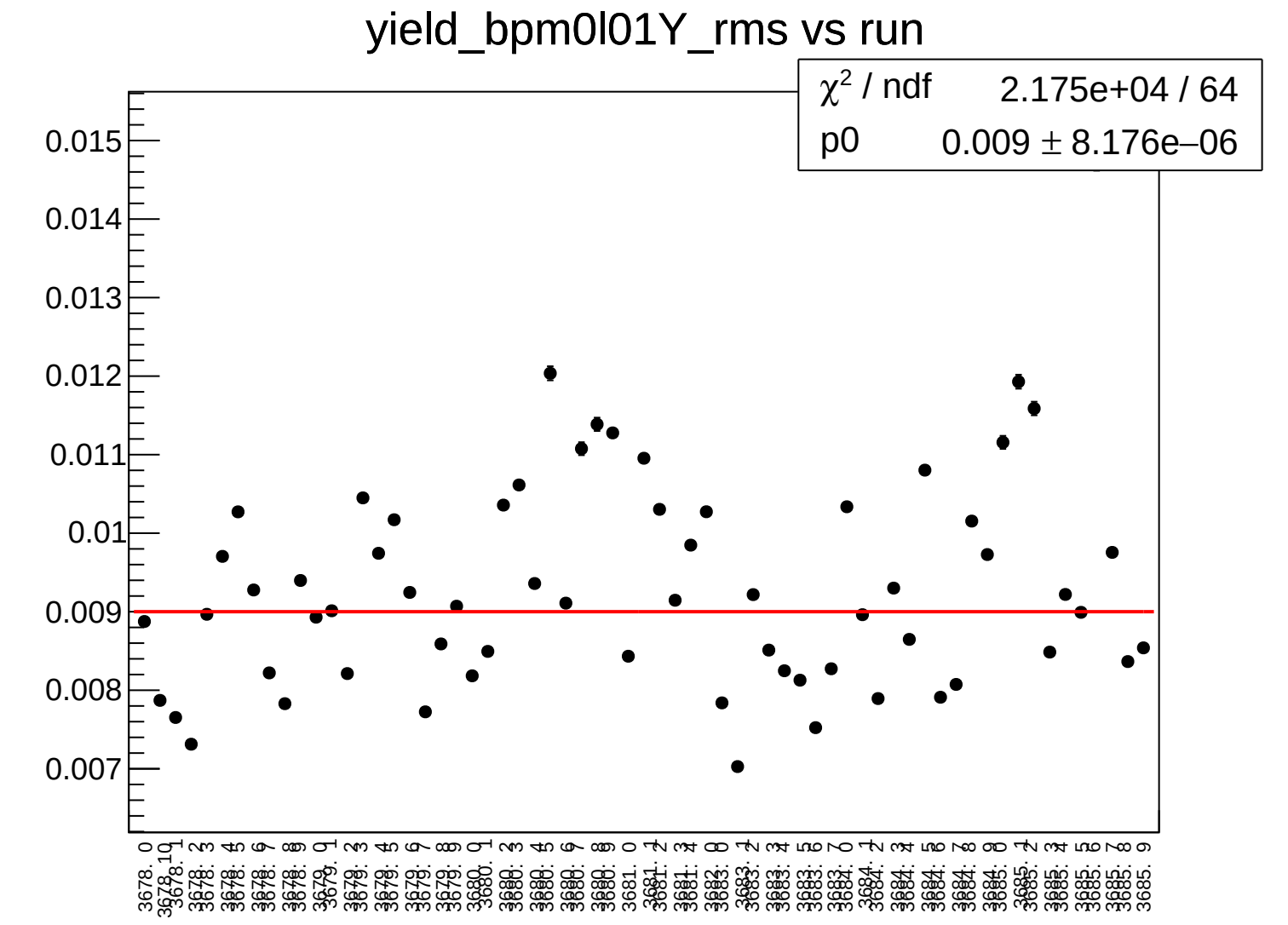

yield_bpm0l01X_mean vs run
χ² / ndf 1.96e+06 / 64
p0 −1.082 ± 1.178e−05
−1.04
−1.05
−1.06
−1.07
−1.08
−1.09
−1.1
−1.11
pull
Entries 65
Mean −1143
Std Dev 1184
400
300
200
100
0
−100
−200

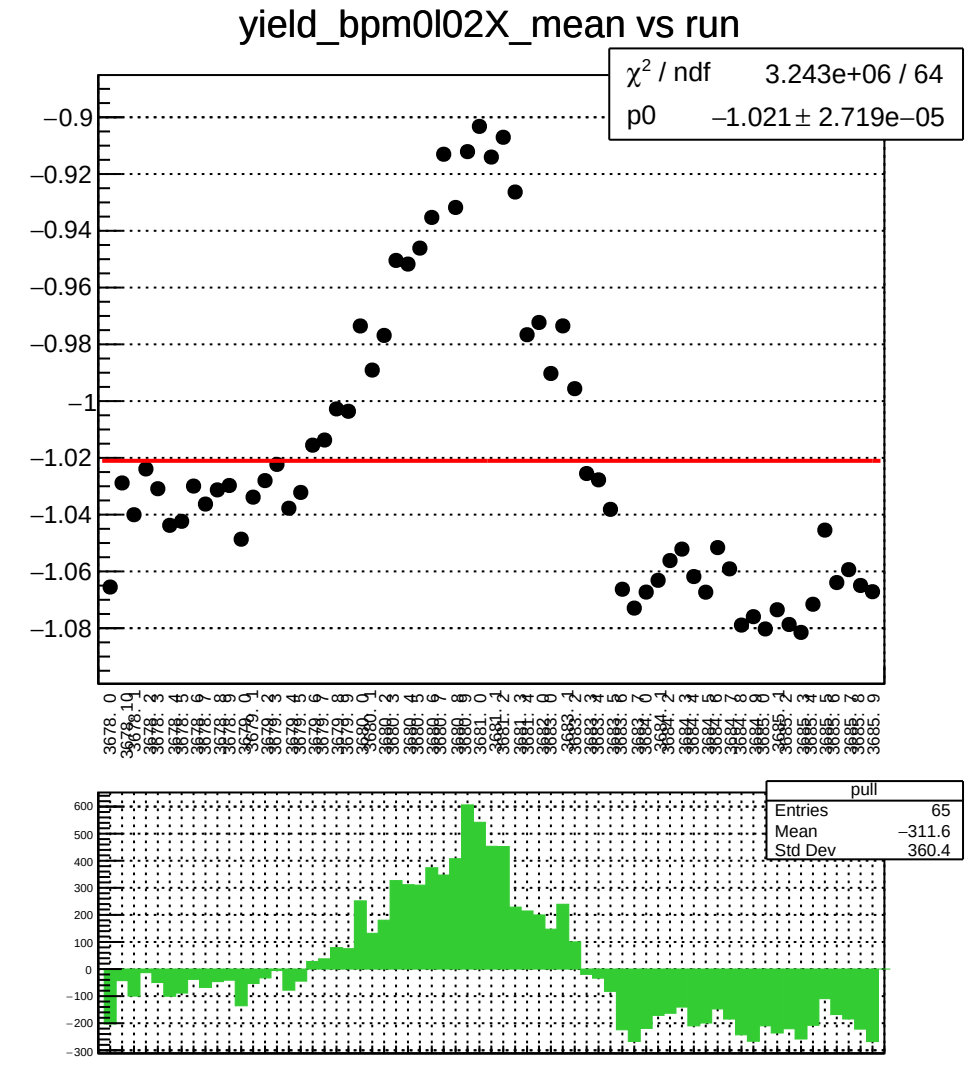

pull1D
Entries 65
Mean 1.902
Std Dev 3.027
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

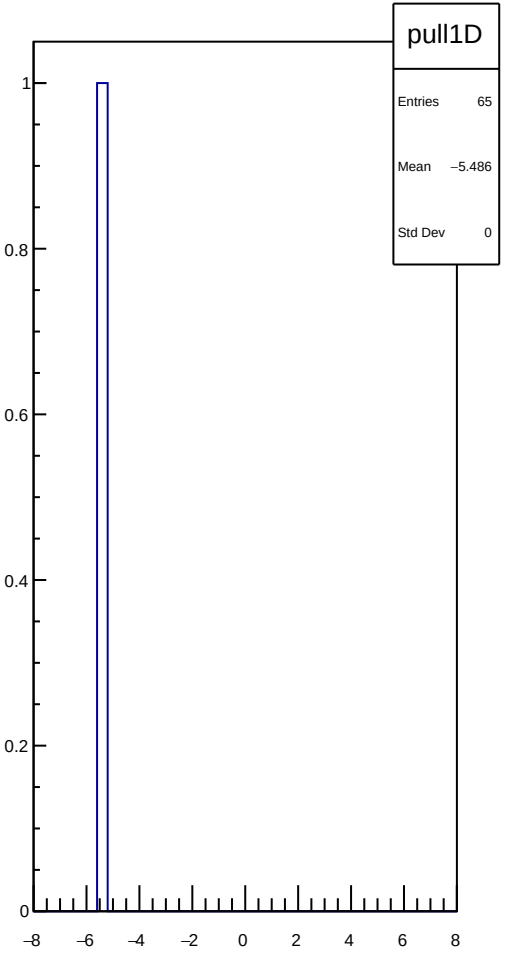

yield_bpm0l01X_rms vs run
χ² / ndf 2.541e+04 / 64
p0 0.00916 ± 8.333e–06
0.018
0.016
0.014
0.012
0.01
0.008

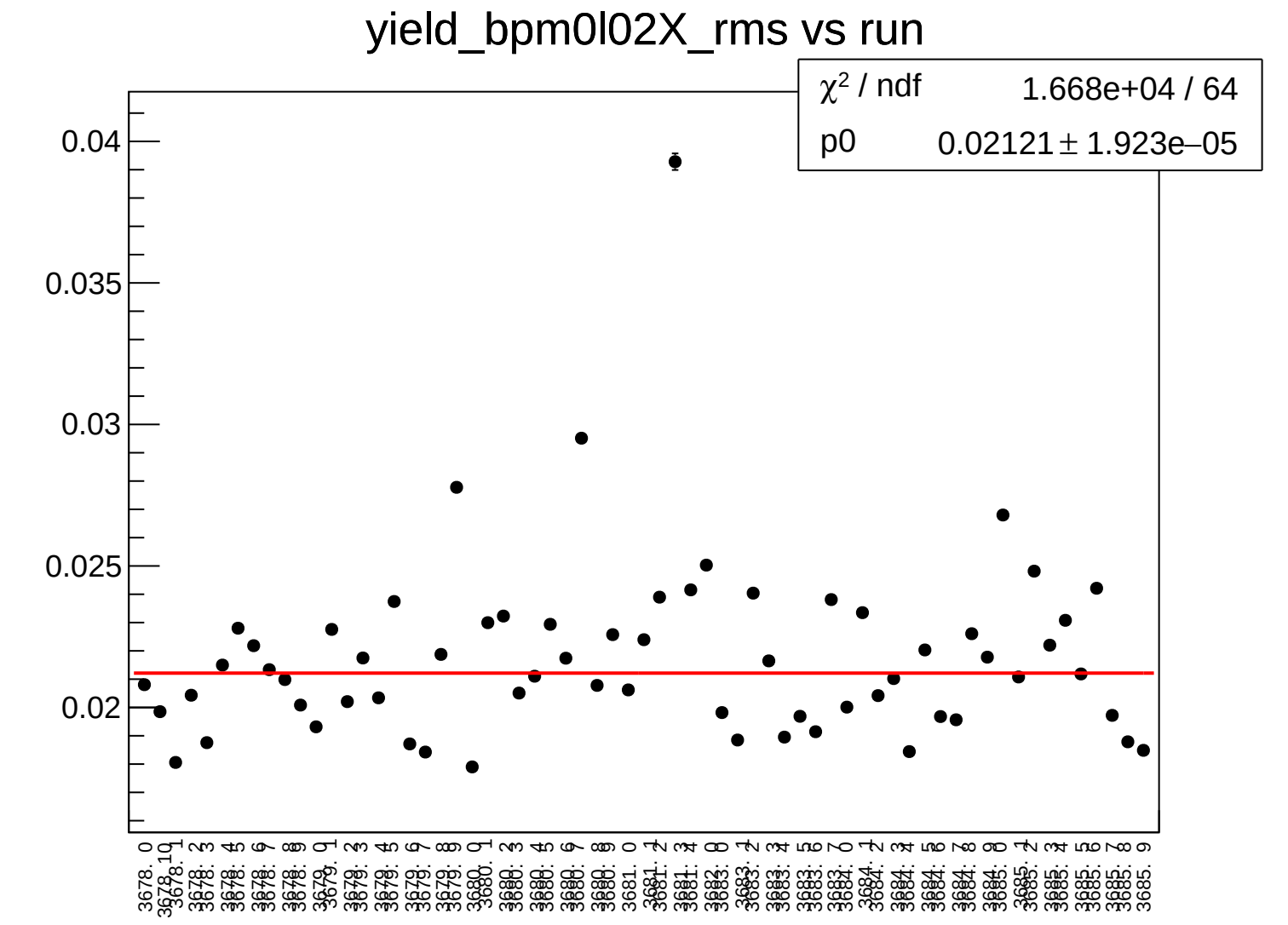

yield_bpm0l01Y_mean vs run
χ² / ndf 7.426e+05 / 64
p0 −6.66 ± 1.156e−05
−6.645
−6.65
−6.655
−6.66
−6.665
−6.67
−6.675
−6.68
pull
Entries 65
Mean −1442
Std Dev 1494
200
150
100
50
0
−50
−100
−150
−200

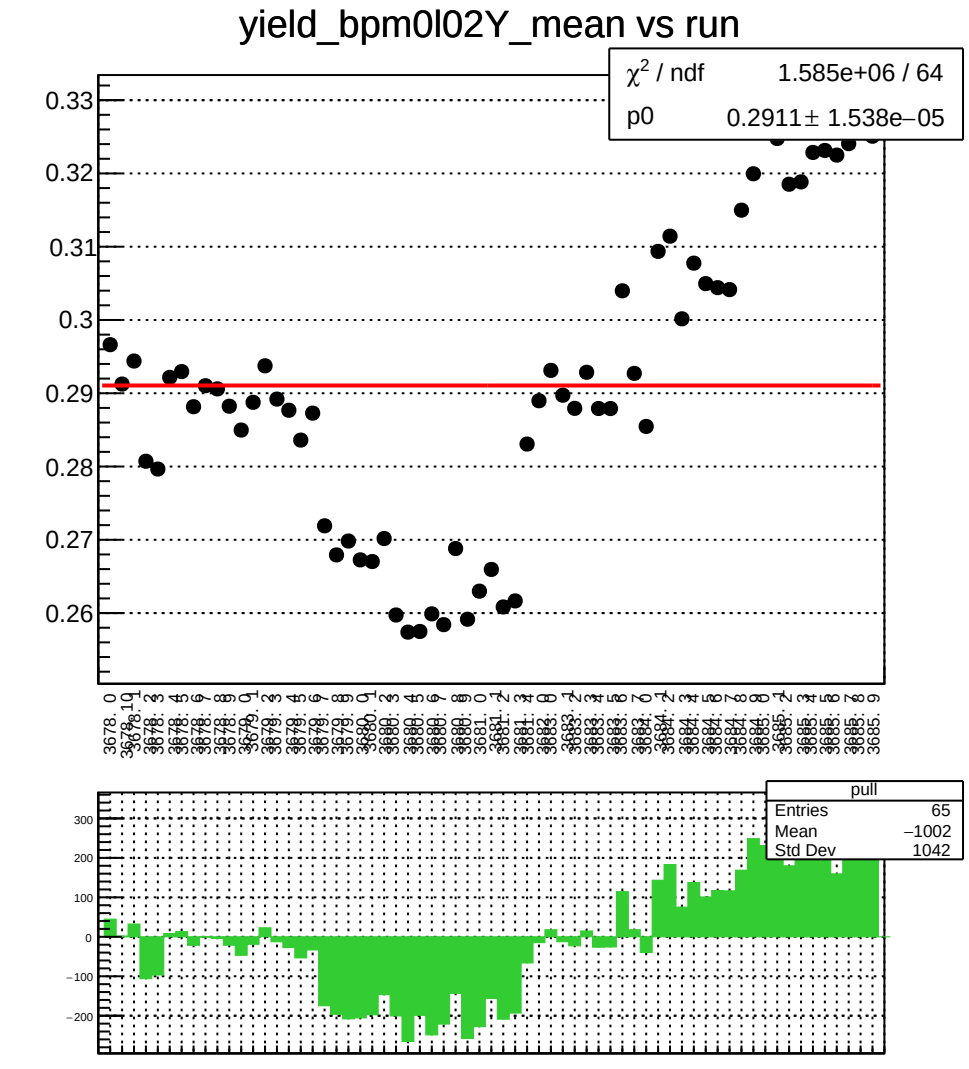

pull1D
Entries 65
Mean −0.4041
Std Dev 0.3153
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

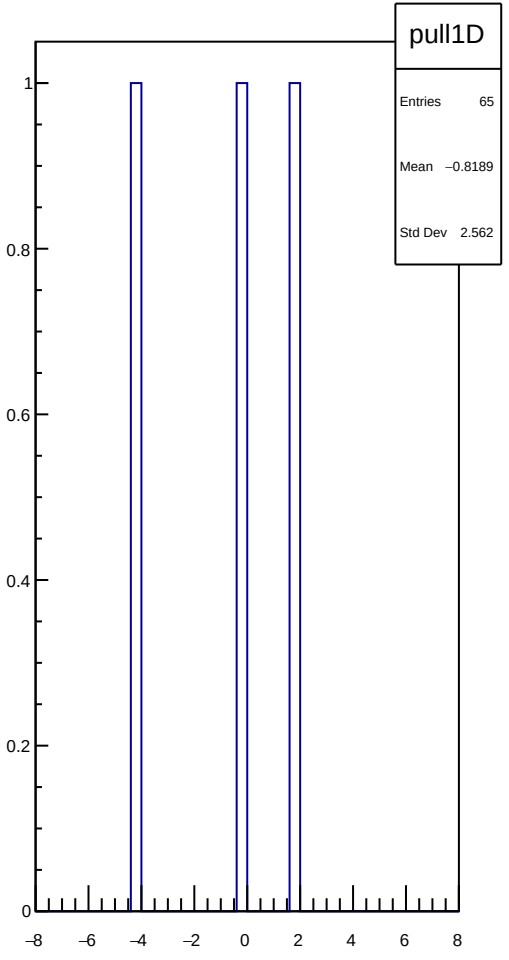

yield_bpm0l01Y_rms vs run
χ² / ndf 2.175e+04 / 64
p0 0.009 ± 8.176e–06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007

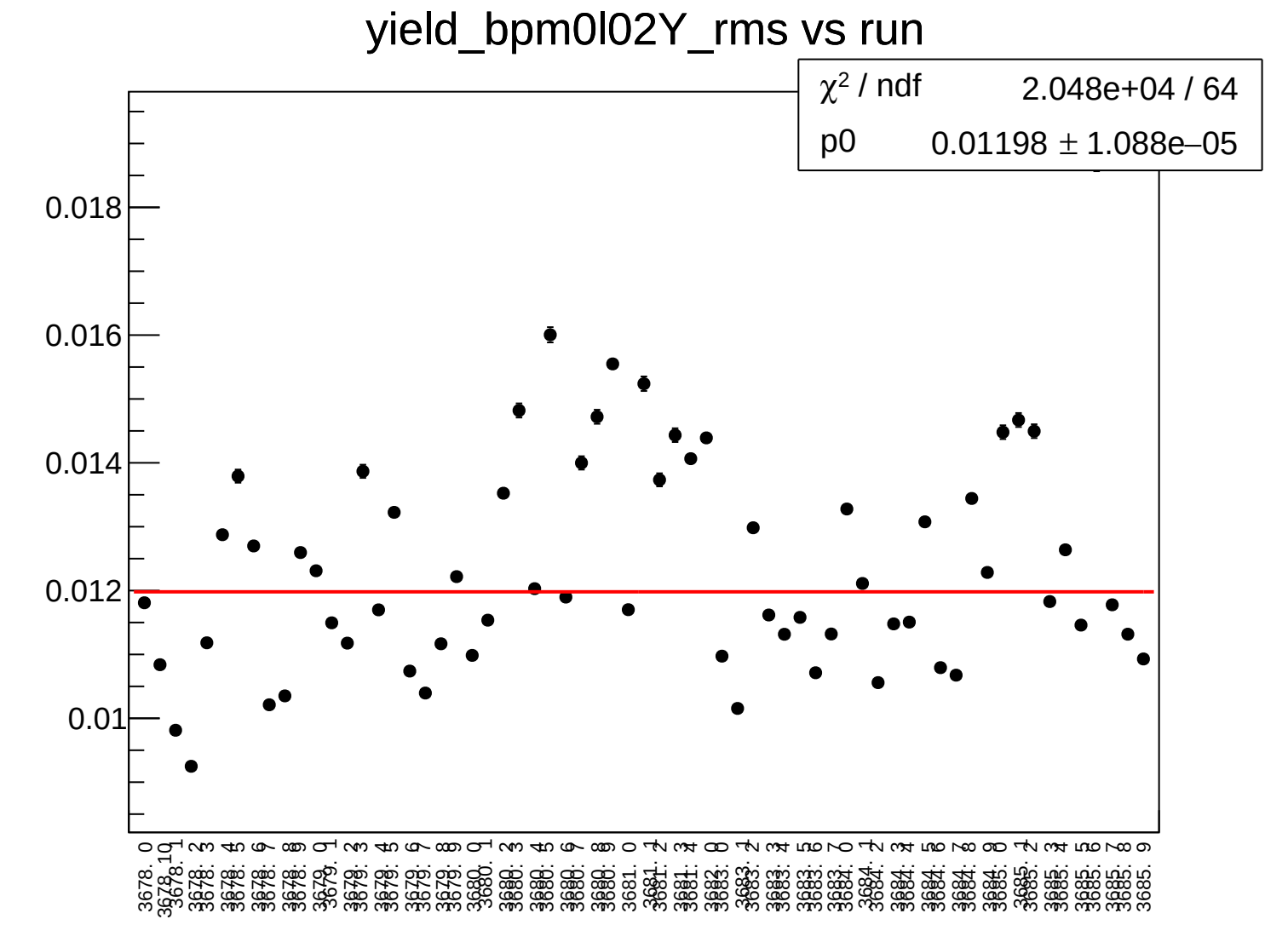

yield_bpm0l02X_mean vs run
χ² / ndf 3.243e+06 / 64
p0 −1.021 ± 2.719e−05
pull
Entries 65
Mean −311.6
Std Dev 360.4

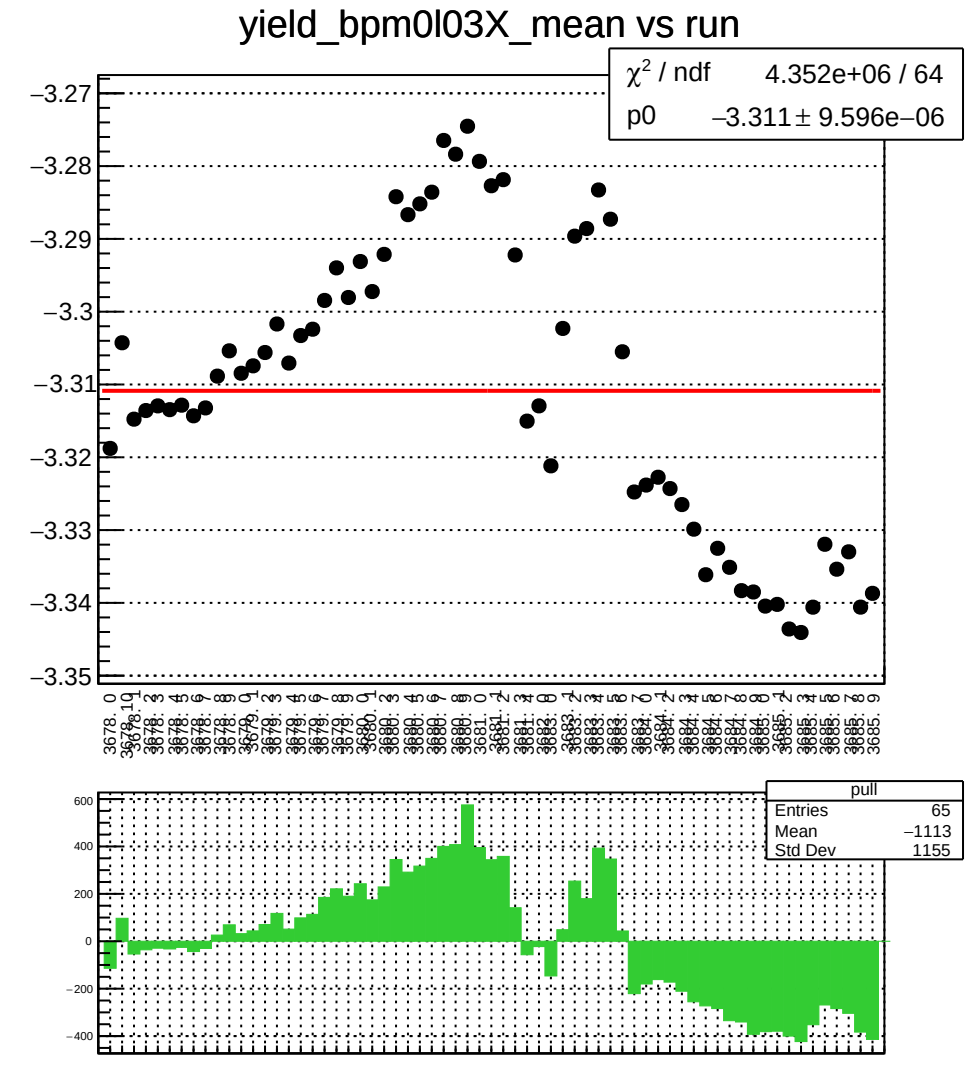

pull1D
Entries 65
Mean −5.486
Std Dev 0

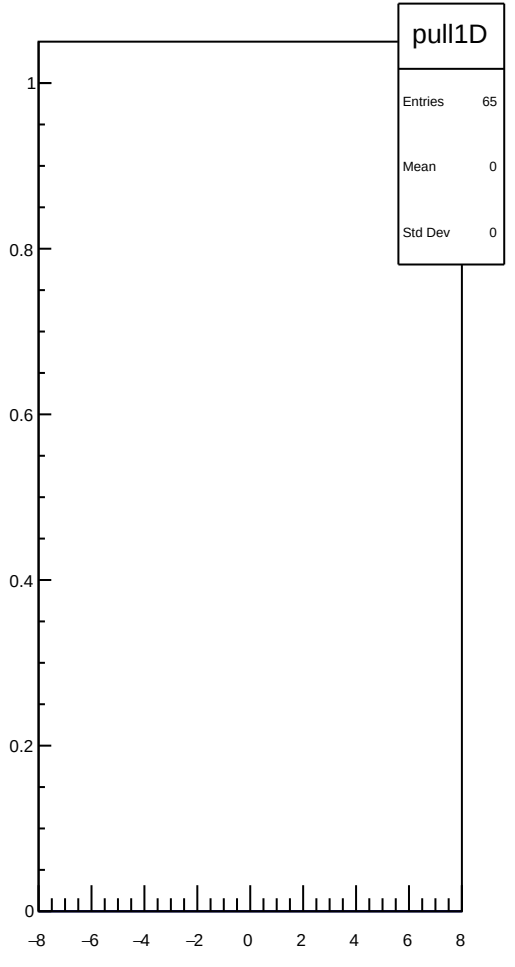

yield_bpm0l02X_rms vs run
χ² / ndf 1.668e+04 / 64
p0 0.02121 ± 1.923e–05
0.04
0.035
0.03
0.025
0.02

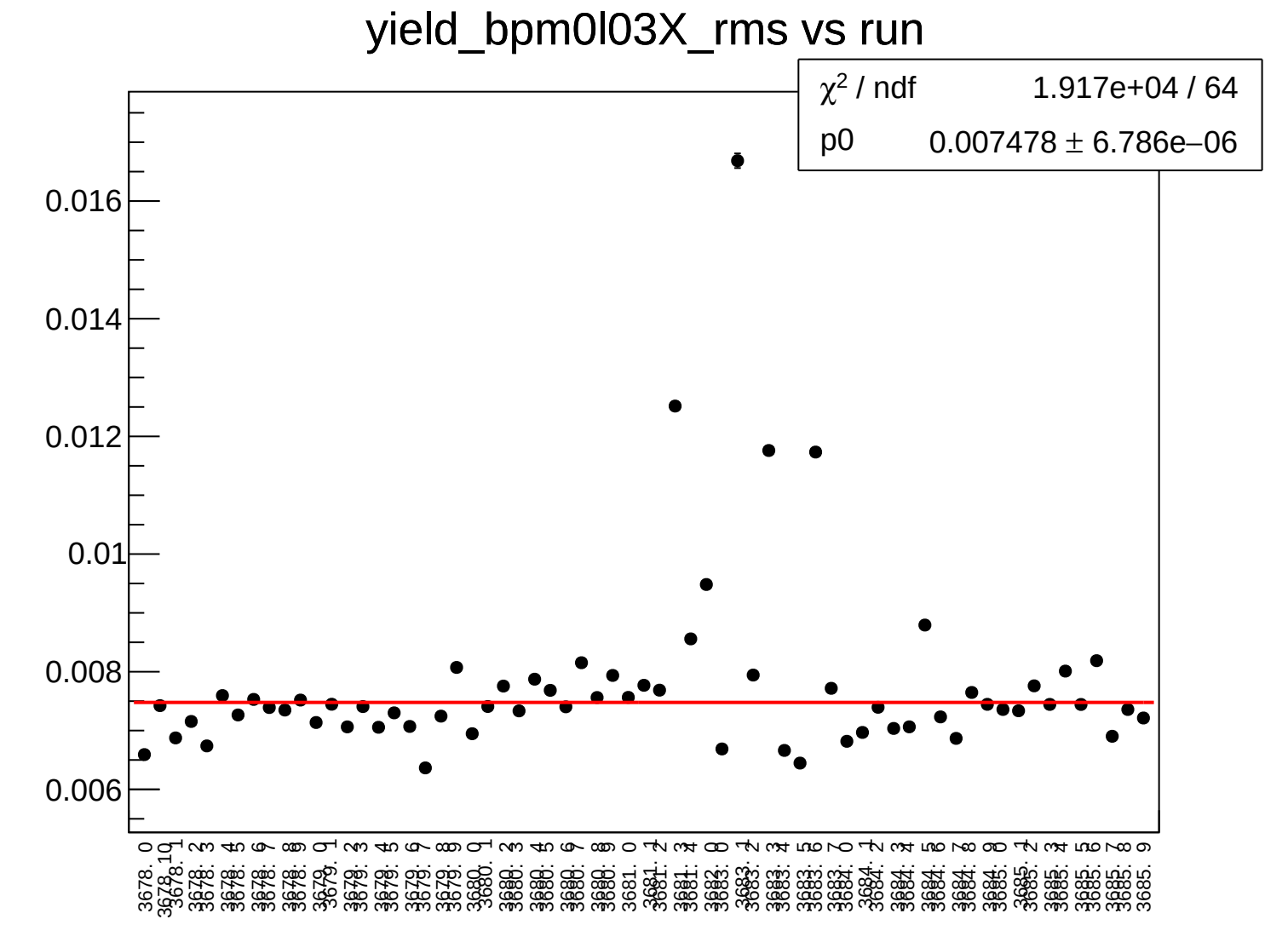

yield_bpm0l02Y_mean vs run
χ² / ndf 1.585e+06 / 64
p0 0.2911 ± 1.538e−05
0.33
0.32
0.31
0.3
0.29
0.28
0.27
0.26
pull
Entries 65
Mean −1002
Std Dev 1042
300
200
100
0
−100
−200

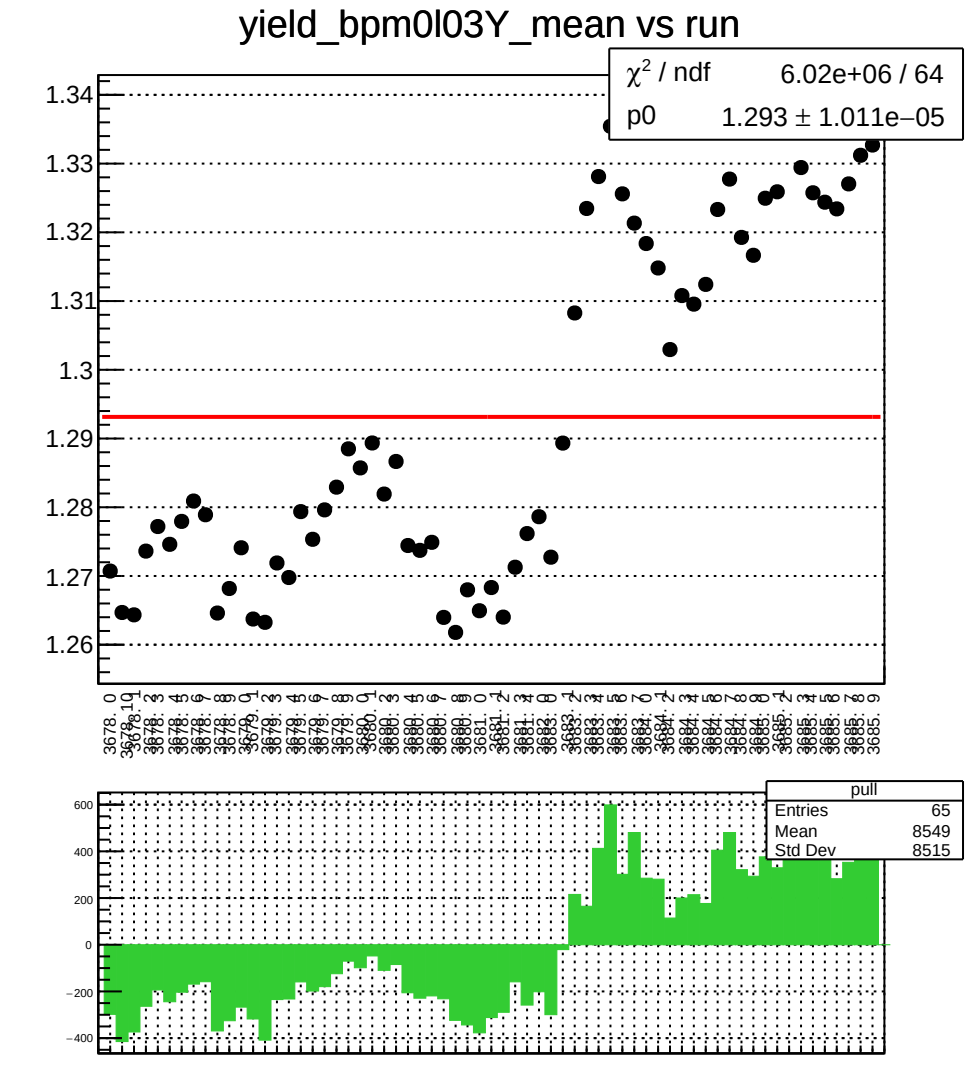

pull1D
Entries 65
Mean −0.8189
Std Dev 2.562
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

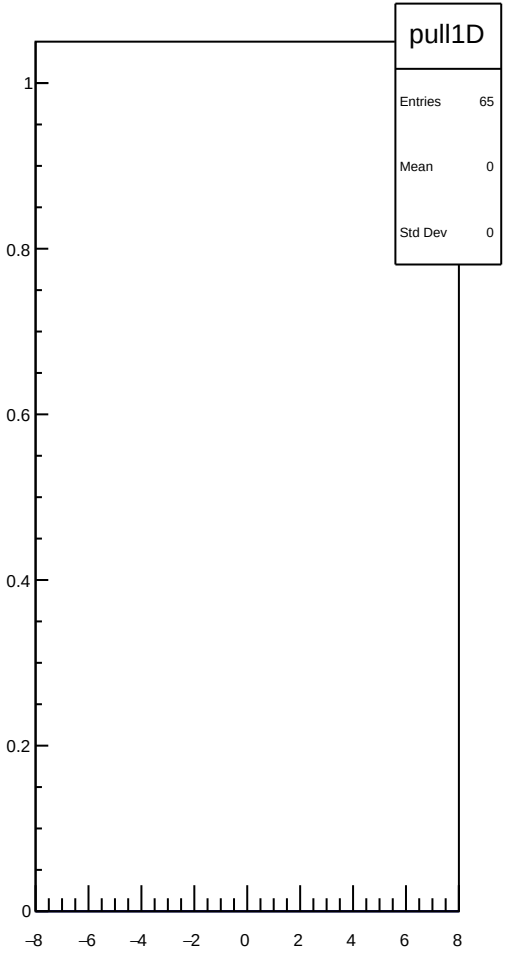

yield_bpm0l02Y_rms vs run
χ² / ndf 2.048e+04 / 64
p0 0.01198 ± 1.088e–05
0.018
0.016
0.014
0.012
0.01

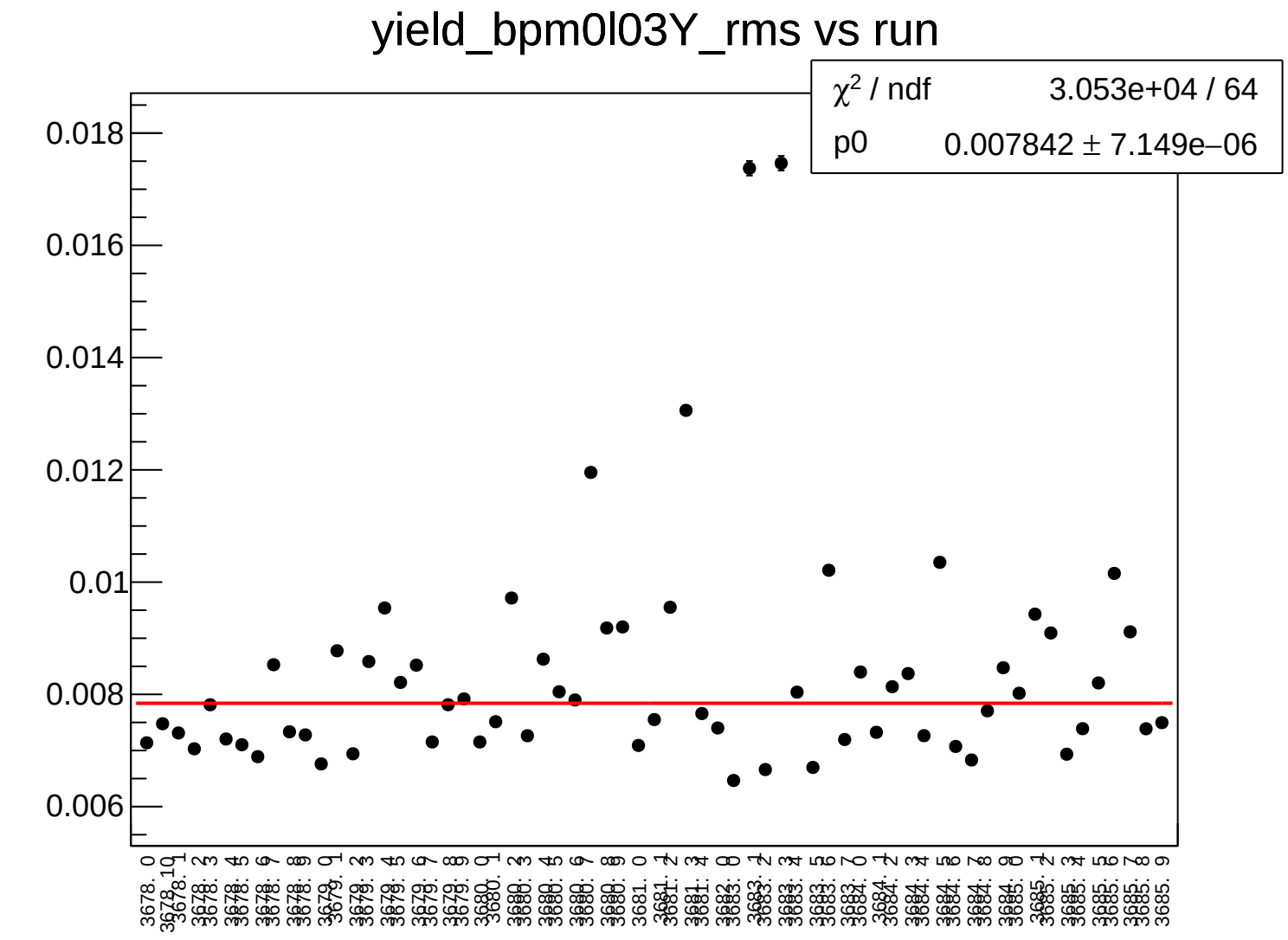

yield_bpm0l03X_mean vs run
χ² / ndf 4.352e+06 / 64
p0 −3.311 ± 9.596e−06
−3.27
−3.28
−3.29
−3.3
−3.31
−3.32
−3.33
−3.34
−3.35
pull
Entries 65
Mean −1113
Std Dev 1155
600
400
200
0
−200
−400

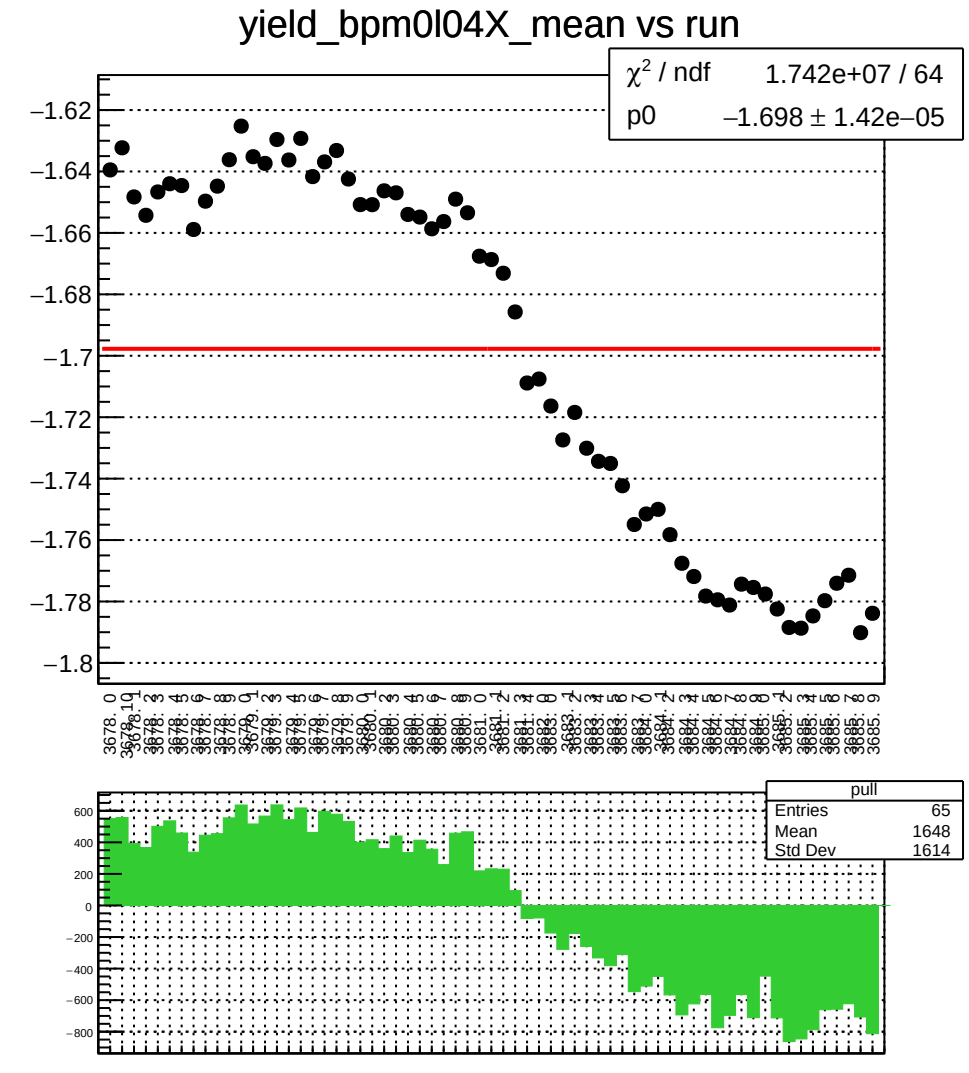

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

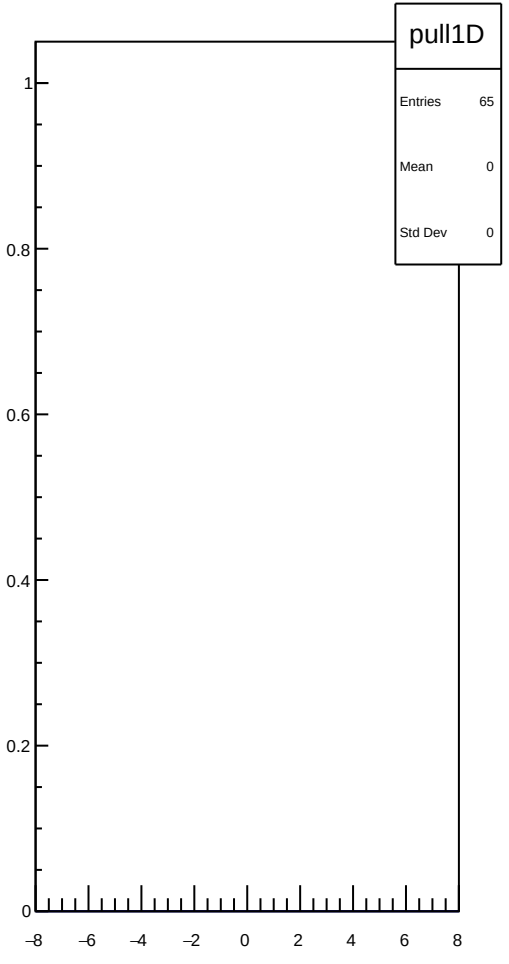

yield_bpm0l03X_rms vs run
χ² / ndf 1.917e+04 / 64
p0 0.007478 ± 6.786e−06
0.016
0.014
0.012
0.01
0.008
0.006

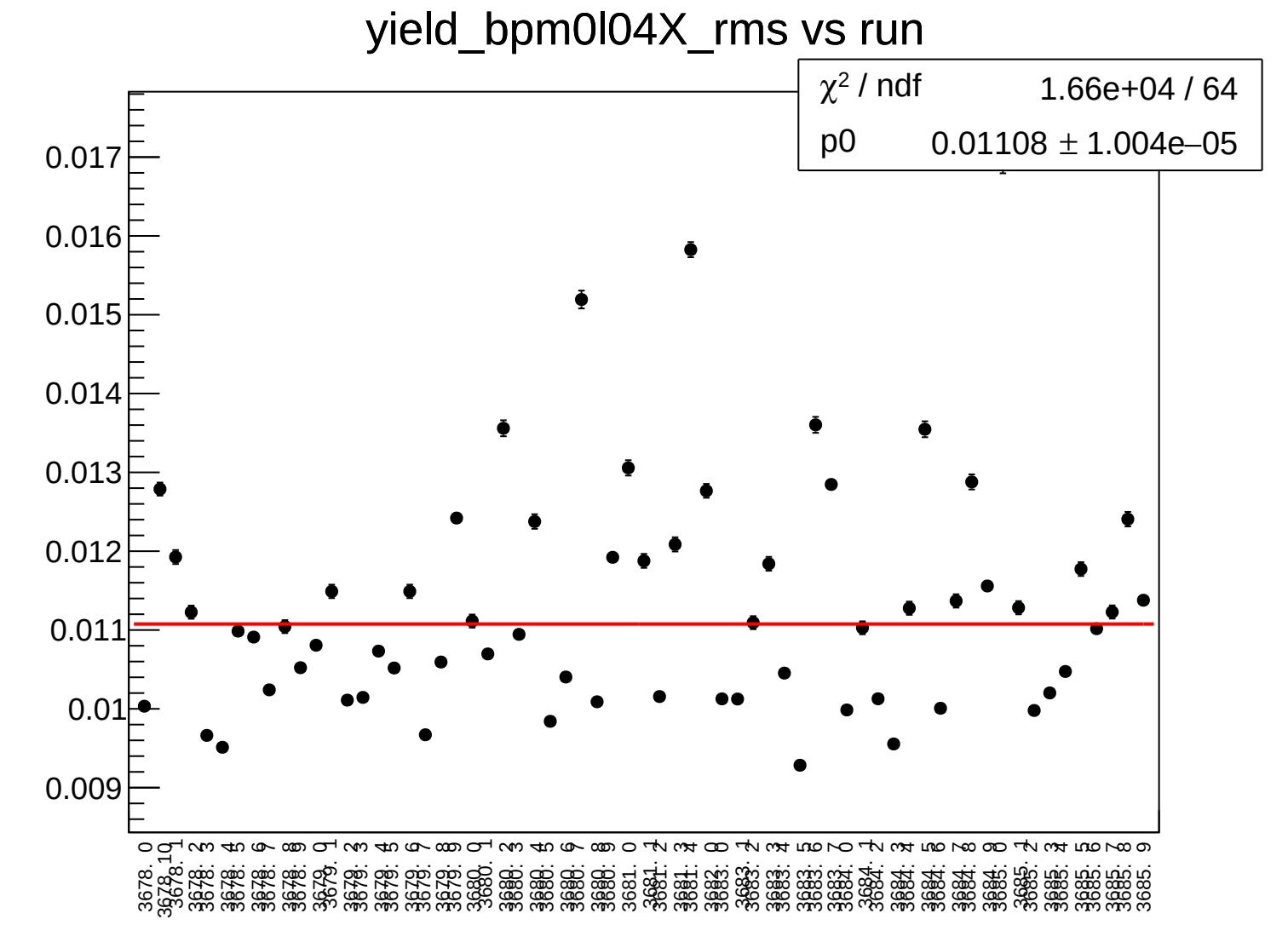

yield_bpm0l03Y_mean vs run
χ² / ndf 6.02e+06 / 64
p0 1.293 ± 1.011e−05
pull
Entries 65
Mean 8549
Std Dev 8515

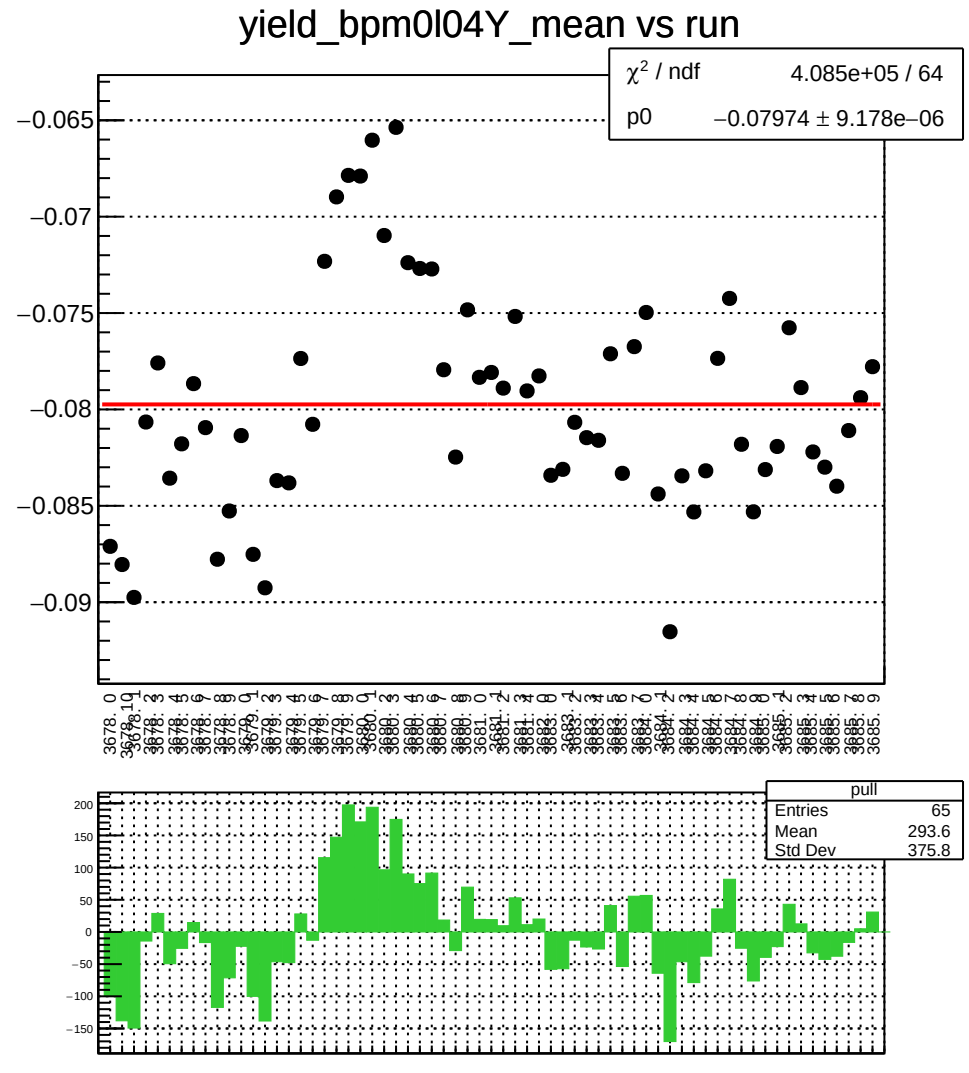

pull1D
Entries 65
Mean 0
Std Dev 0

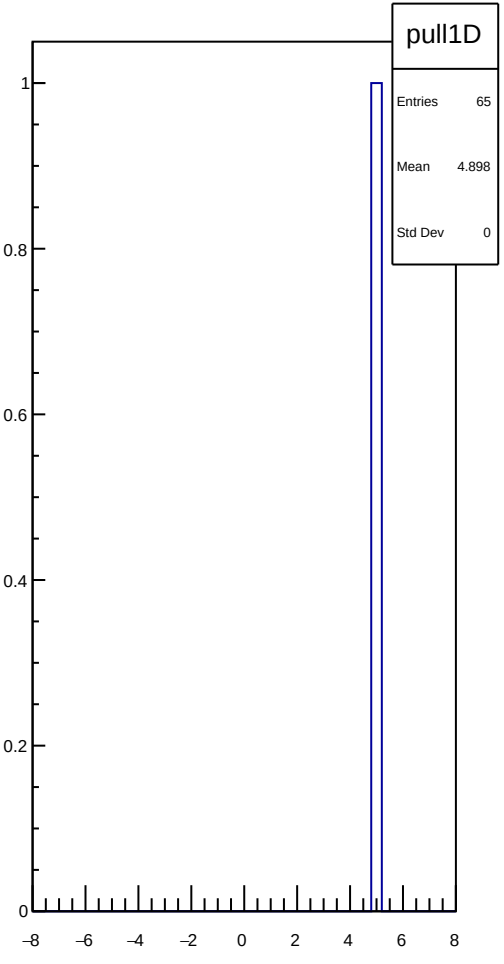

yield_bpm0l03Y_rms vs run
χ² / ndf 3.053e+04 / 64
p0 0.007842 ± 7.149e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006

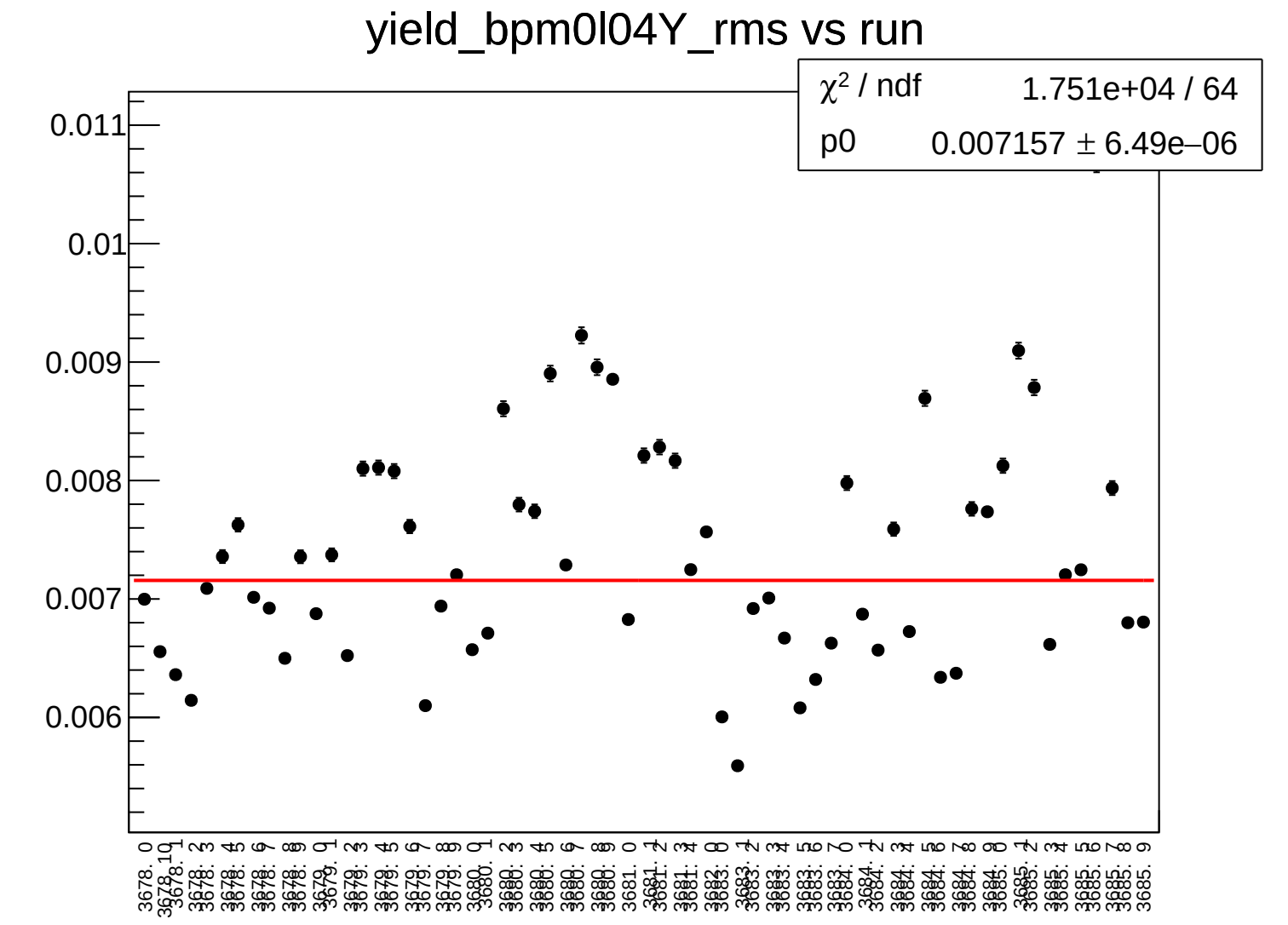

yield_bpm0l04X_mean vs run
χ² / ndf 1.742e+07 / 64
p0 −1.698 ± 1.42e−05
pull
Entries 65
Mean 1648
Std Dev 1614

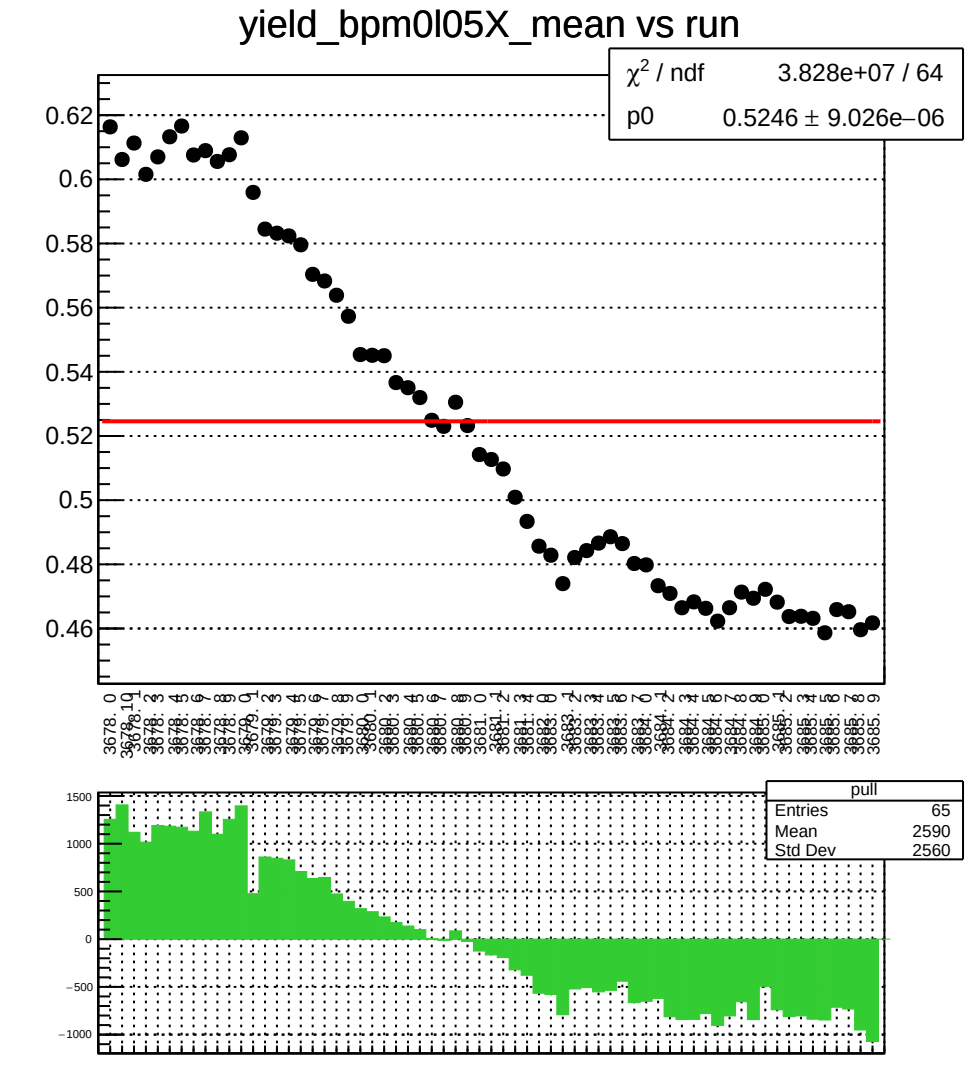

pull1D
Entries 65
Mean 0
Std Dev 0

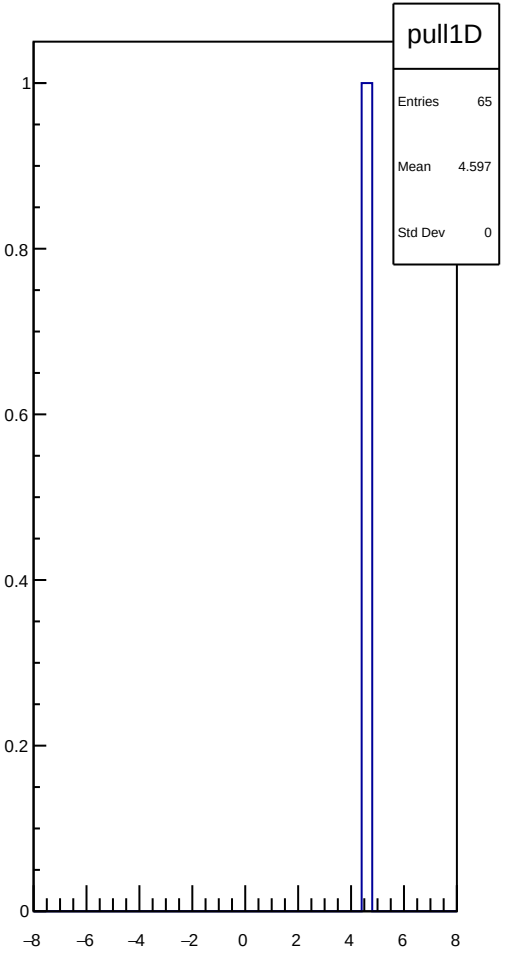

yield_bpm0l04X_rms vs run
χ² / ndf 1.66e+04 / 64
p0 0.01108 ± 1.004e−05
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009

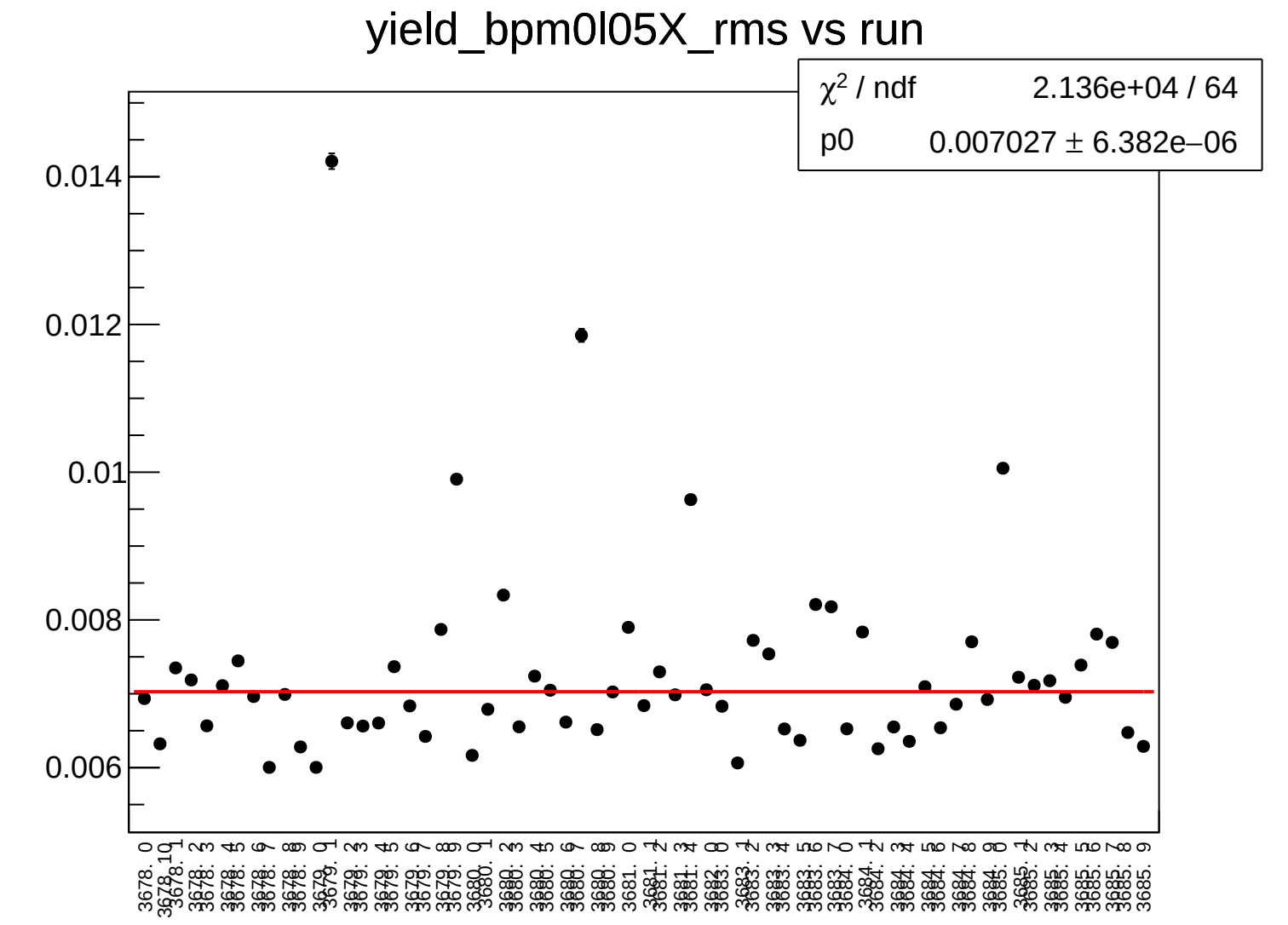

yield_bpm0l04Y_mean vs run
χ² / ndf 4.085e+05 / 64
p0 −0.07974 ± 9.178e−06
−0.065
−0.07
−0.075
−0.08
−0.085
−0.09
pull
Entries 65
Mean 293.6
Std Dev 375.8
200
150
100
50
0
−50
−100
−150

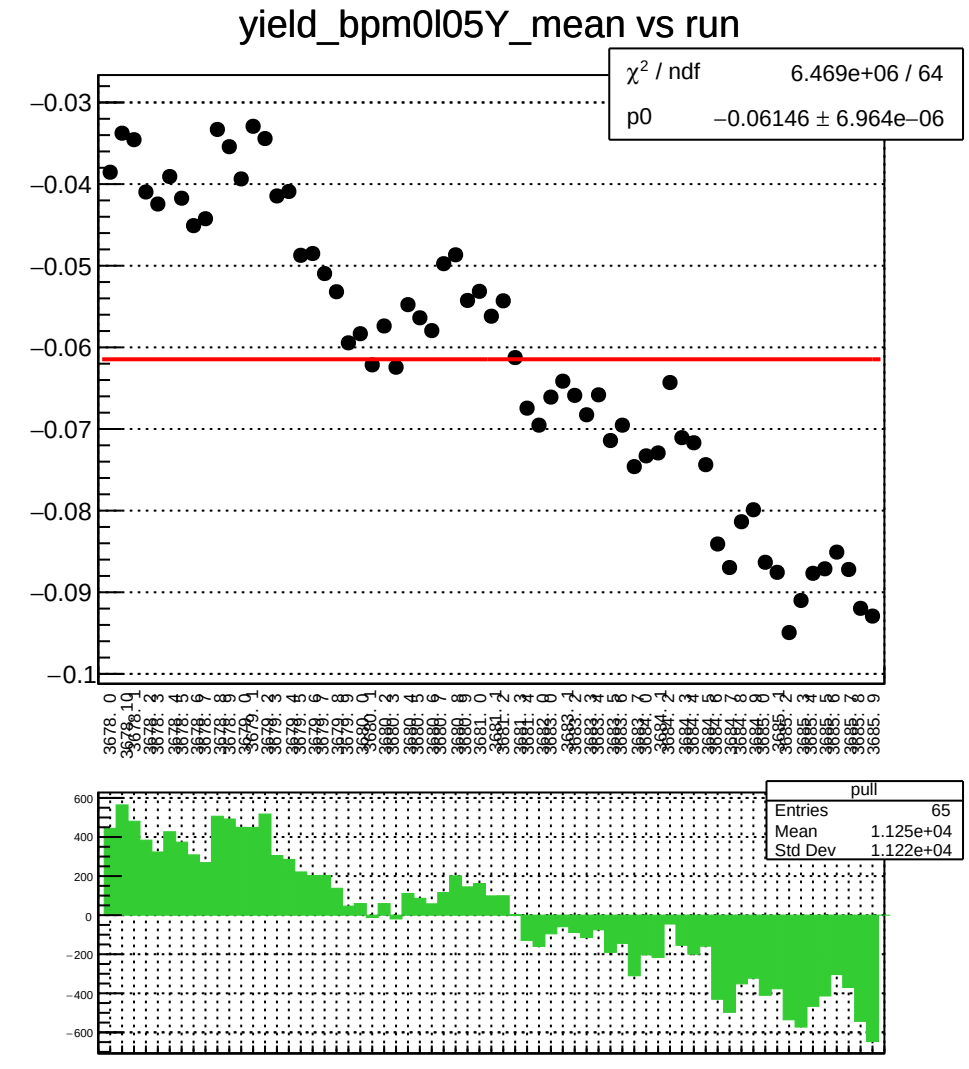

pull1D
Entries 65
Mean 4.898
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

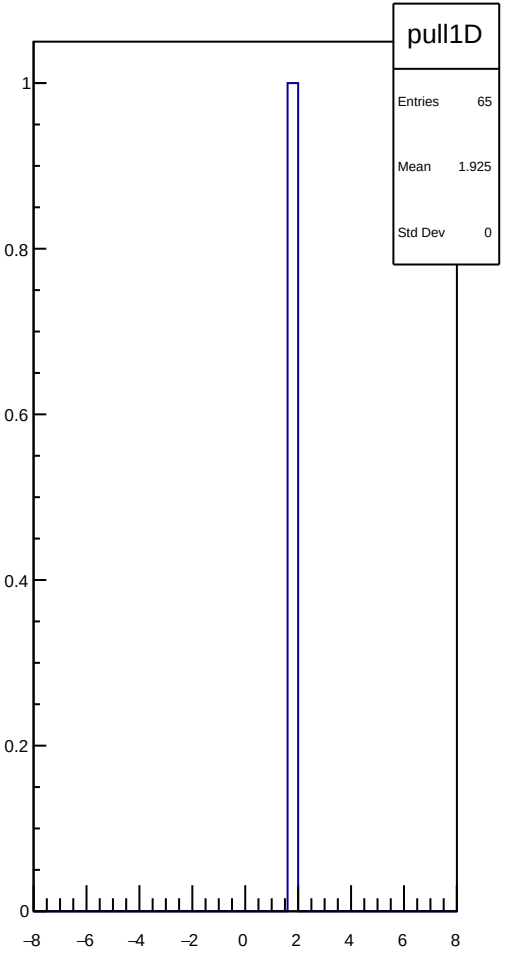

yield_bpm0l04Y_rms vs run
χ² / ndf 1.751e+04 / 64
p0 0.007157 ± 6.49e−06
0.011
0.01
0.009
0.008
0.007
0.006

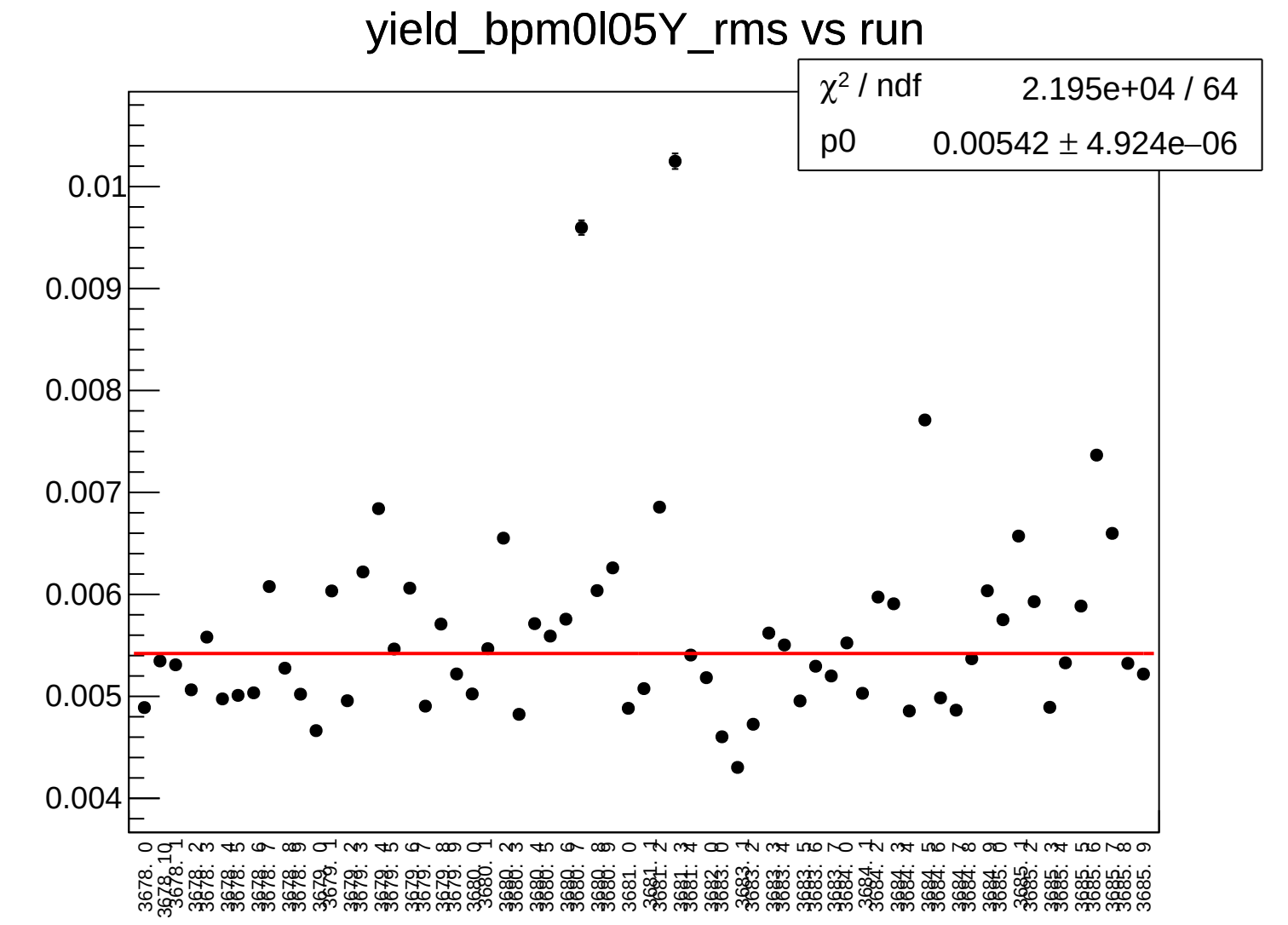

yield_bpm0l05X_mean vs run
χ² / ndf 3.828e+07 / 64
p0 0.5246 ± 9.026e−06
pull
Entries 65
Mean 2590
Std Dev 2560

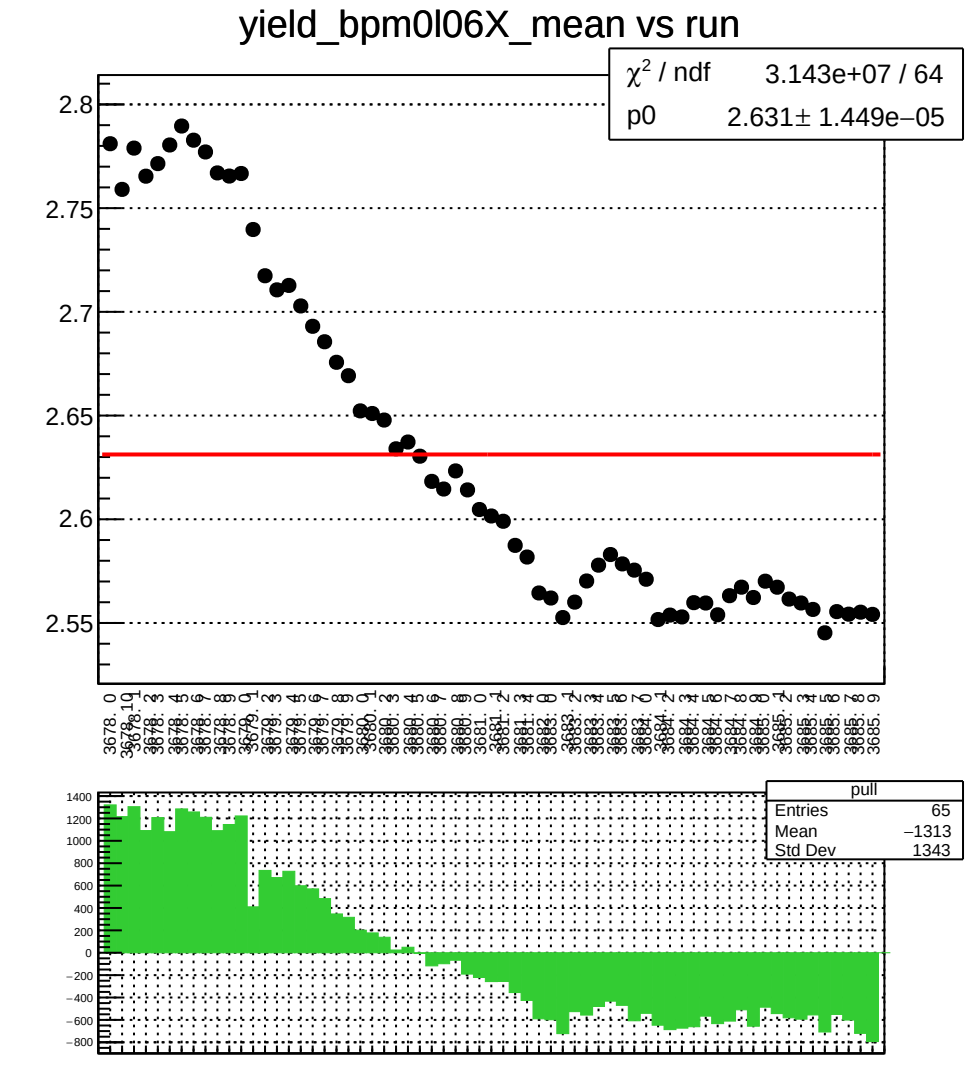

pull1D
Entries 65
Mean 4.597
Std Dev 0

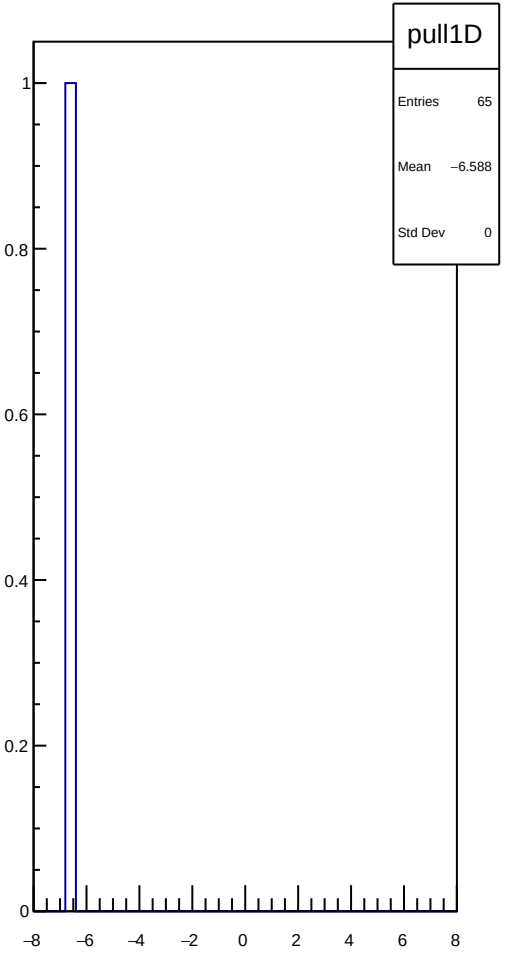

yield_bpm0l05X_rms vs run
χ² / ndf 2.136e+04 / 64
p0 0.007027 ± 6.382e−06
0.014
0.012
0.01
0.008
0.006

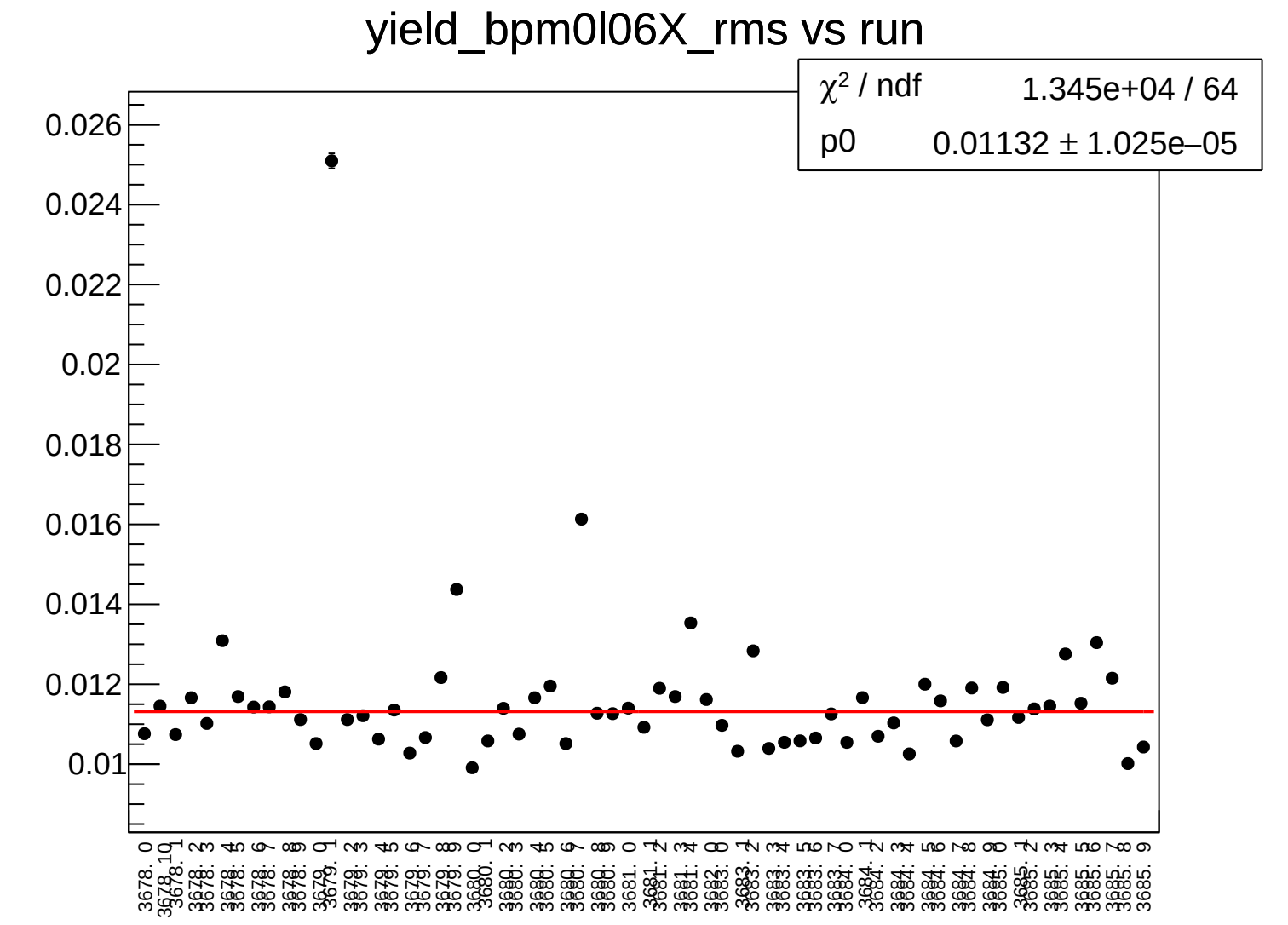

yield_bpm0l05Y_mean vs run
χ² / ndf 6.469e+06 / 64
p0 −0.06146 ± 6.964e−06
pull
Entries 65
Mean 1.125e+04
Std Dev 1.122e+04

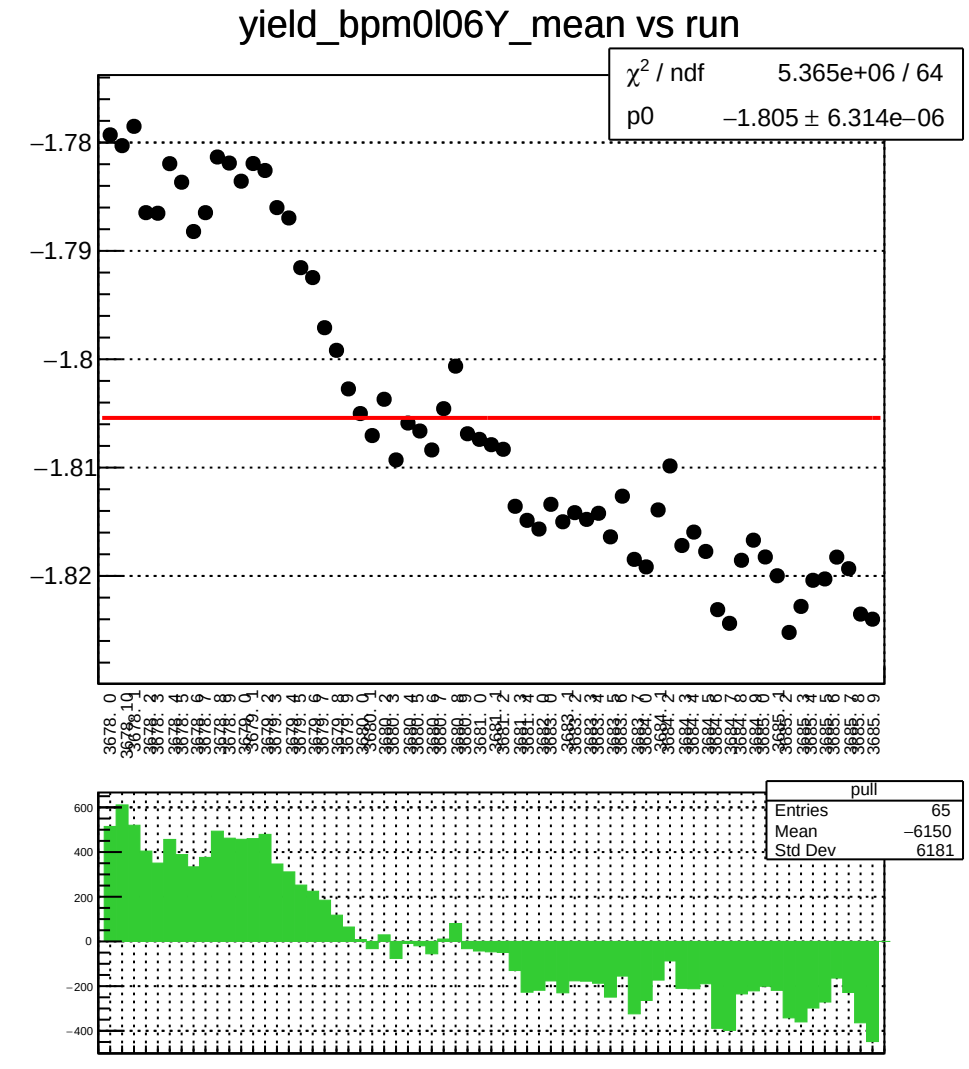

pull1D
Entries 65
Mean 1.925
Std Dev 0

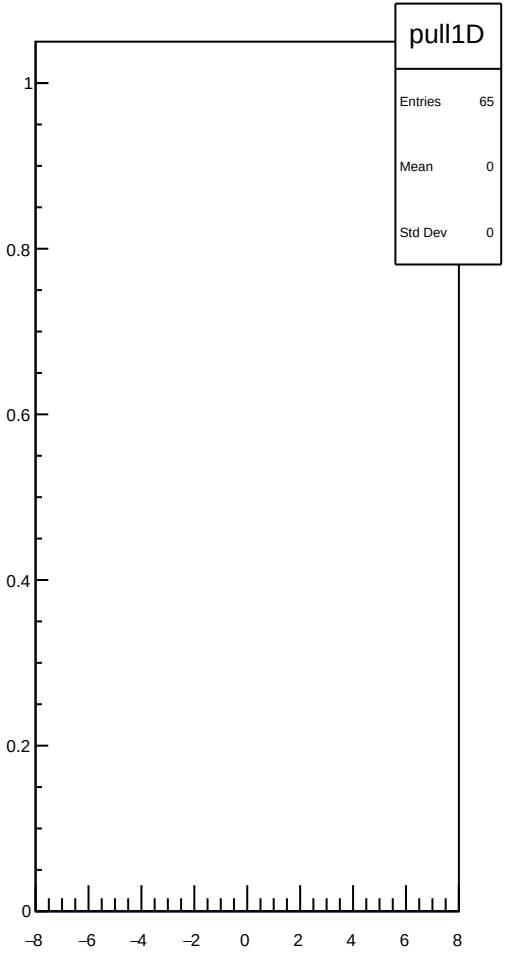

yield_bpm0l05Y_rms vs run
χ² / ndf 2.195e+04 / 64
p0 0.00542 ± 4.924e–06
0.01
0.009
0.008
0.007
0.006
0.005
0.004

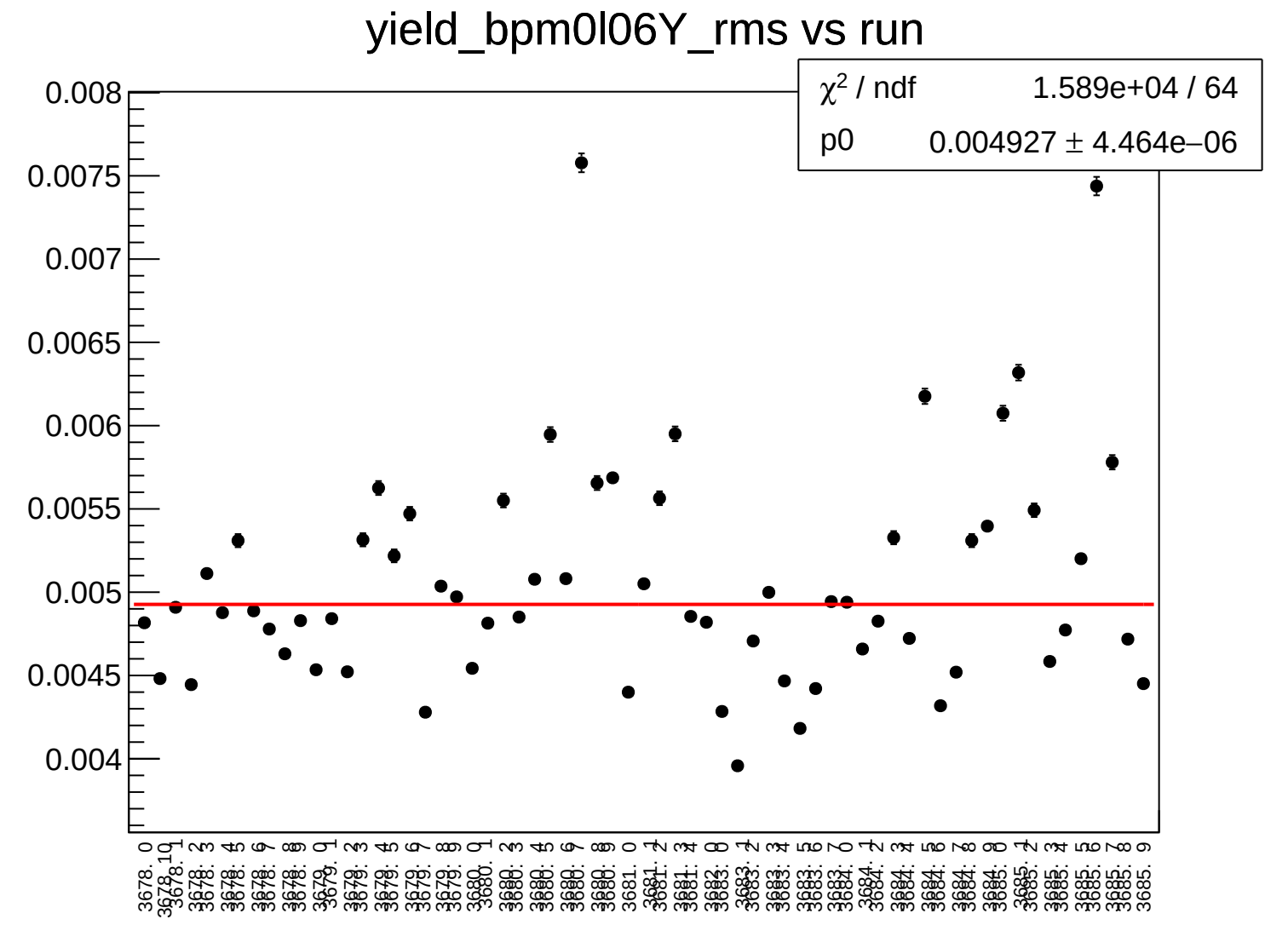

yield_bpm0l06X_mean vs run
χ² / ndf 3.143e+07 / 64
p0 2.631± 1.449e−05
pull
Entries 65
Mean −1313
Std Dev 1343

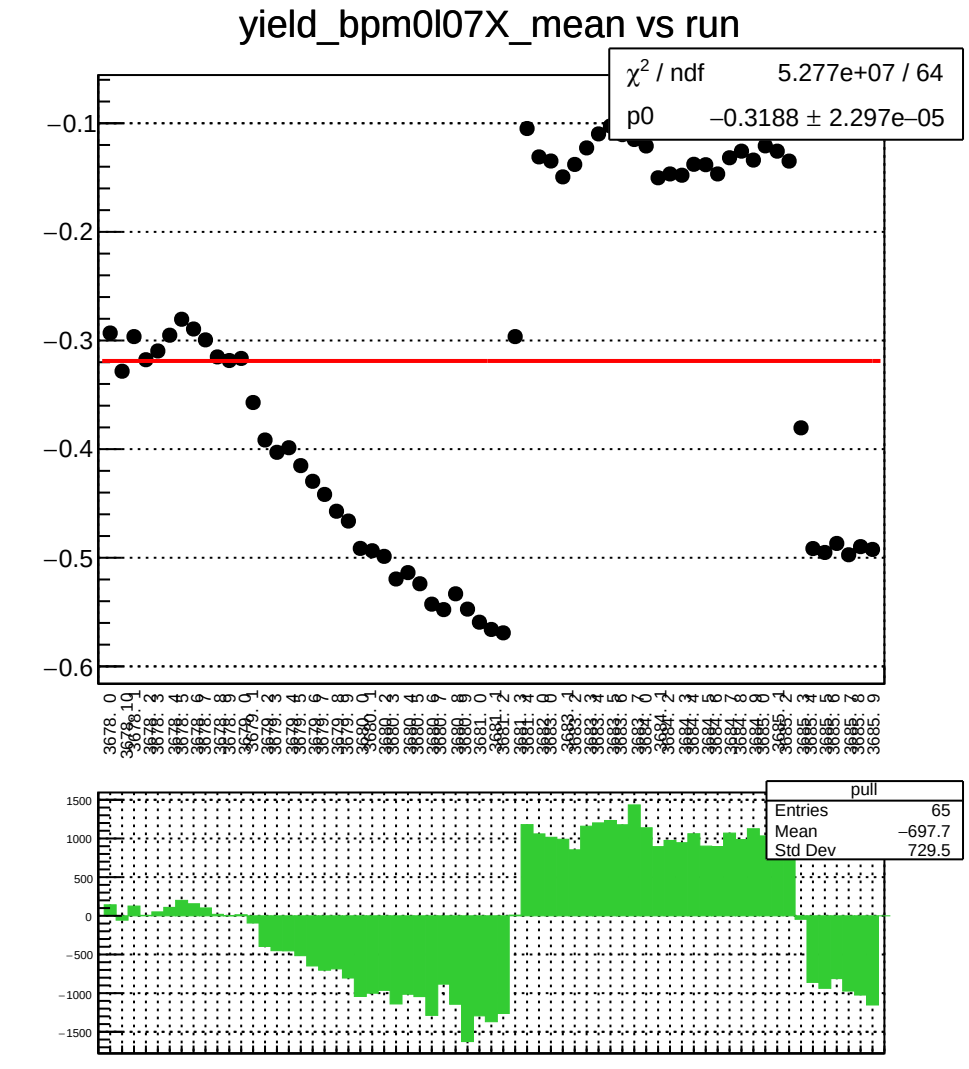

pull1D
Entries 65
Mean −6.588
Std Dev 0

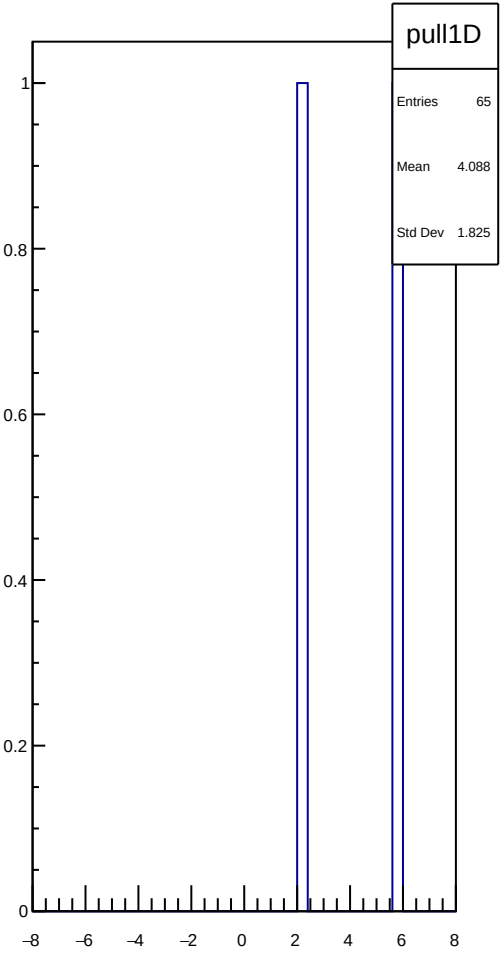

yield_bpm0l06X_rms vs run
χ² / ndf 1.345e+04 / 64
p0 0.01132 ± 1.025e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01

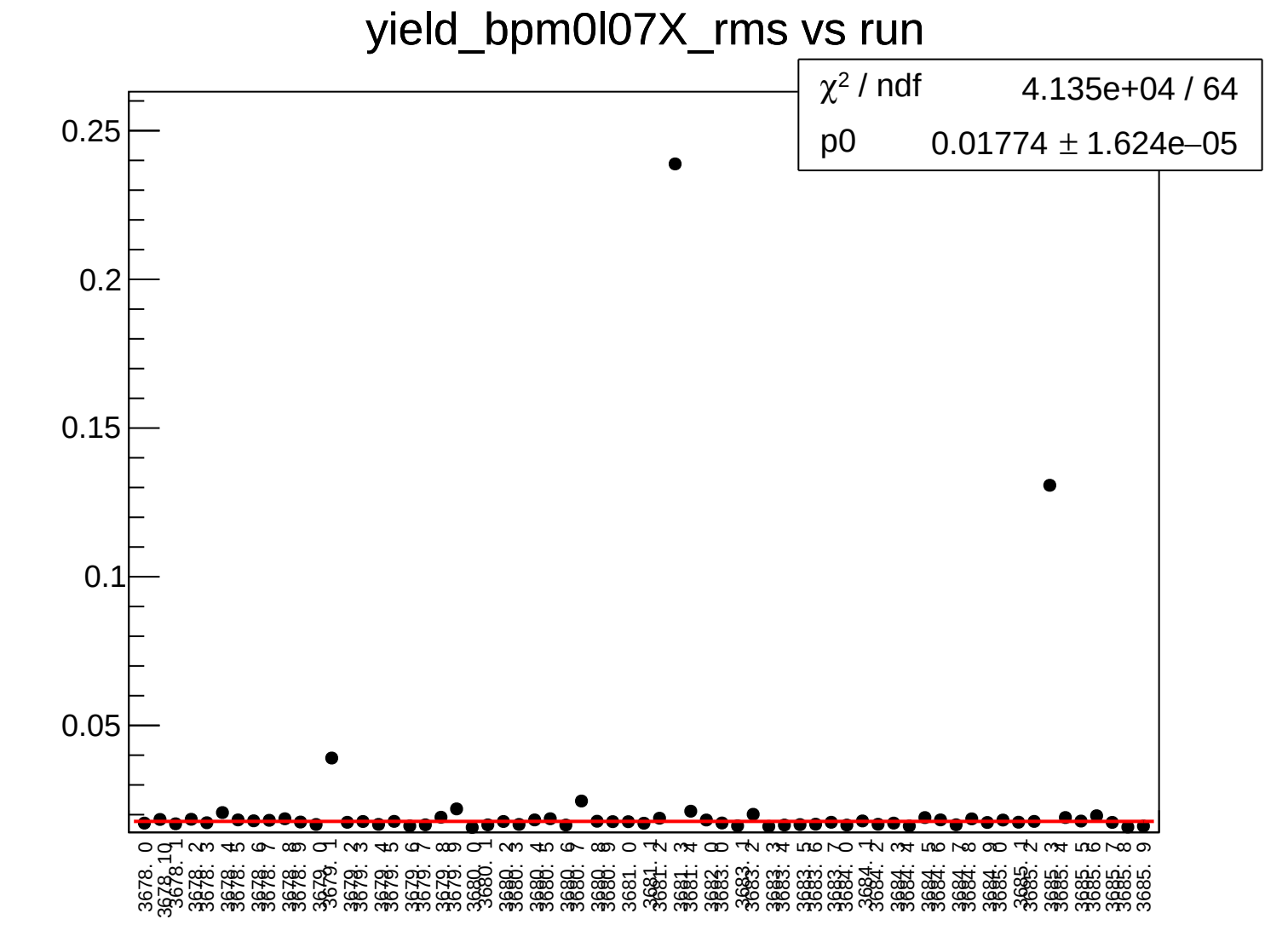

yield_bpm0l06Y_mean vs run
χ² / ndf 5.365e+06 / 64
p0 −1.805 ± 6.314e−06
−1.78
−1.79
−1.8
−1.81
−1.82
pull
Entries 65
Mean −6150
Std Dev 6181
600
400
200
0
−200
−400

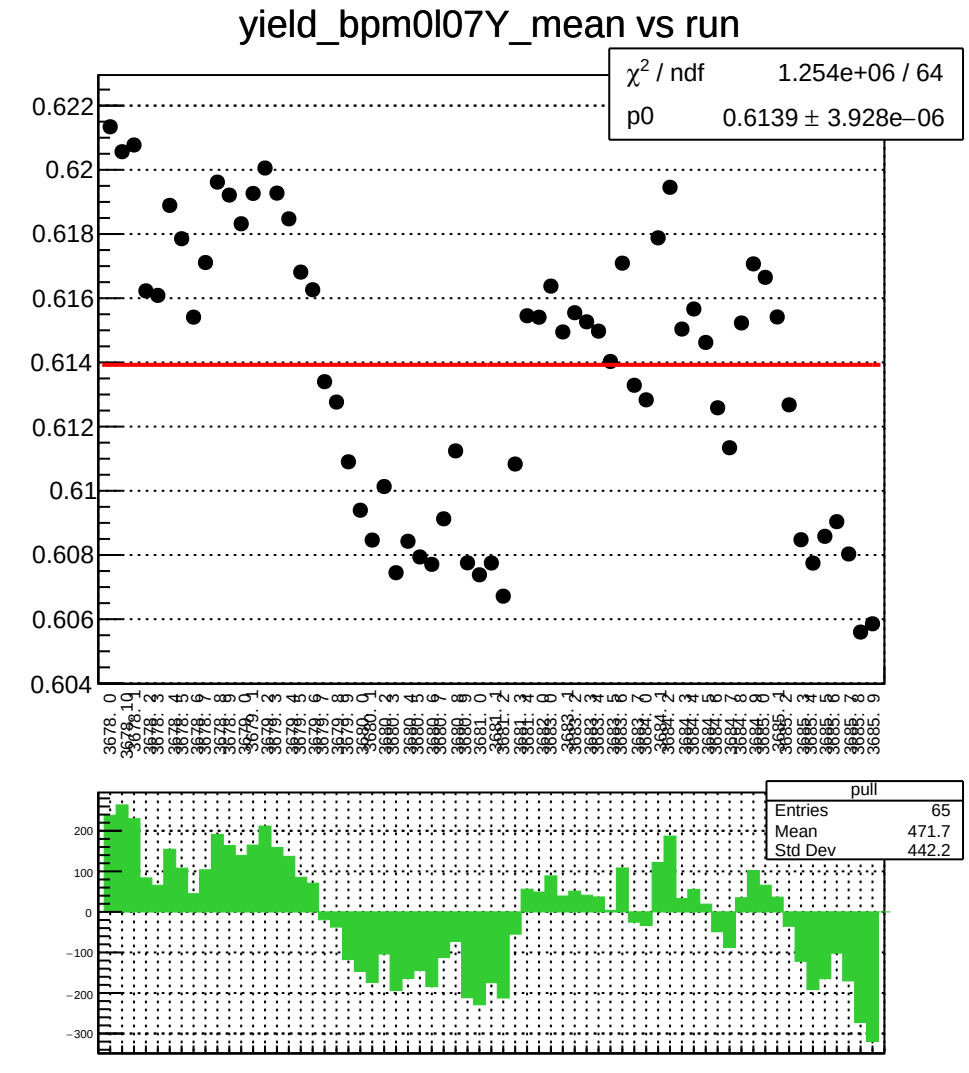

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

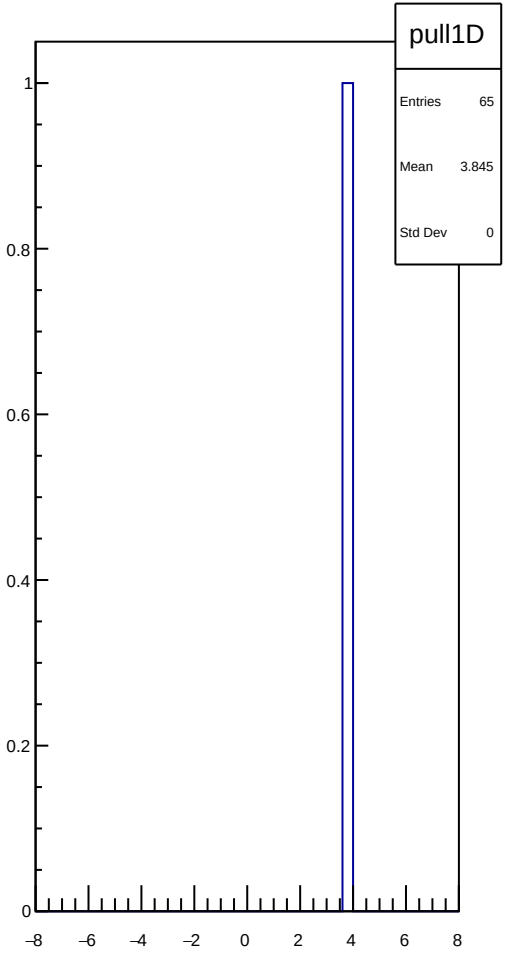

yield_bpm0l06Y_rms vs run
χ² / ndf 1.589e+04 / 64
p0 0.004927 ± 4.464e−06
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004

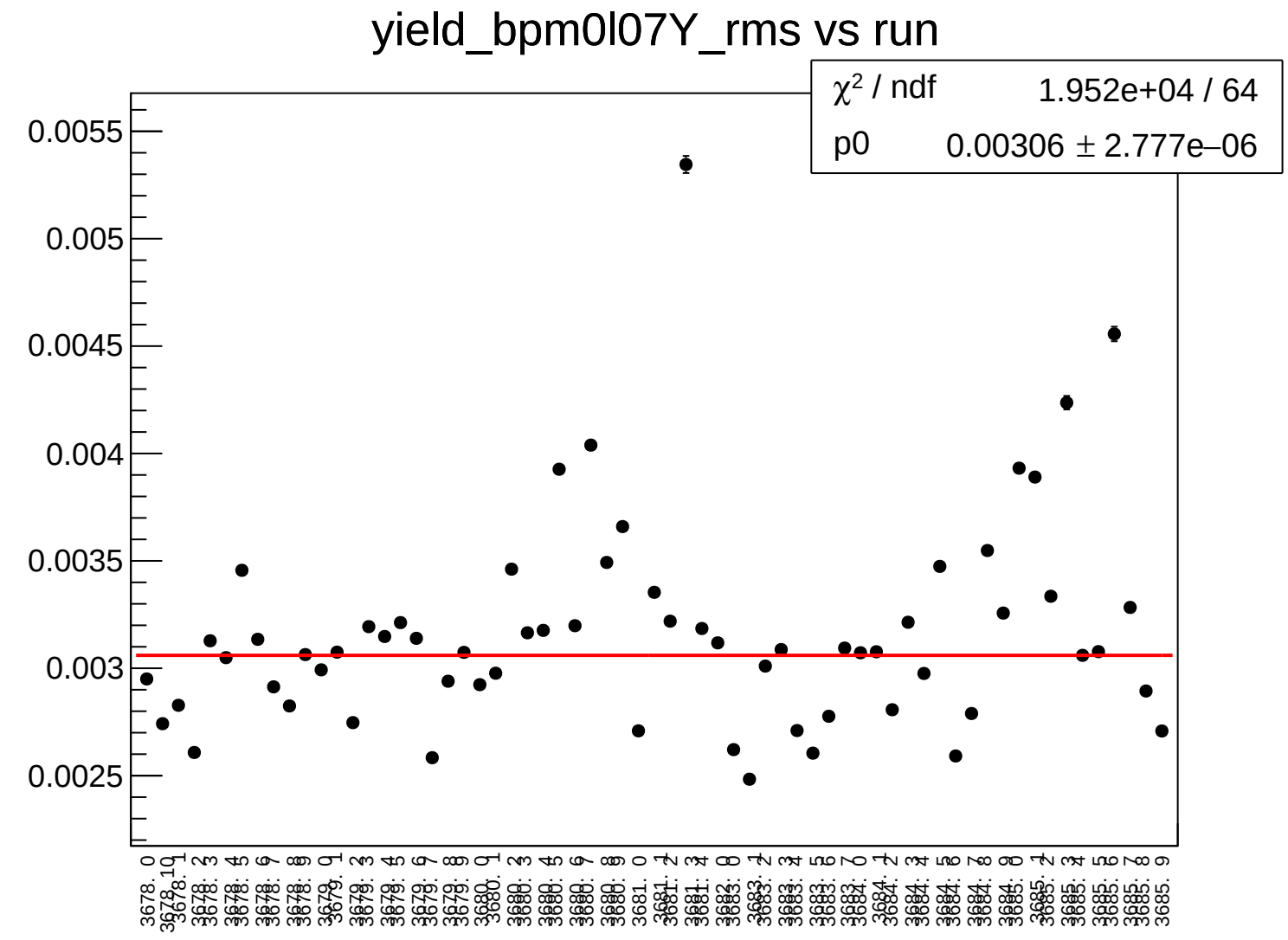

yield_bpm0l07X_mean vs run
χ² / ndf 5.277e+07 / 64
p0 −0.3188 ± 2.297e−05
pull
Entries 65
Mean −697.7
Std Dev 729.5

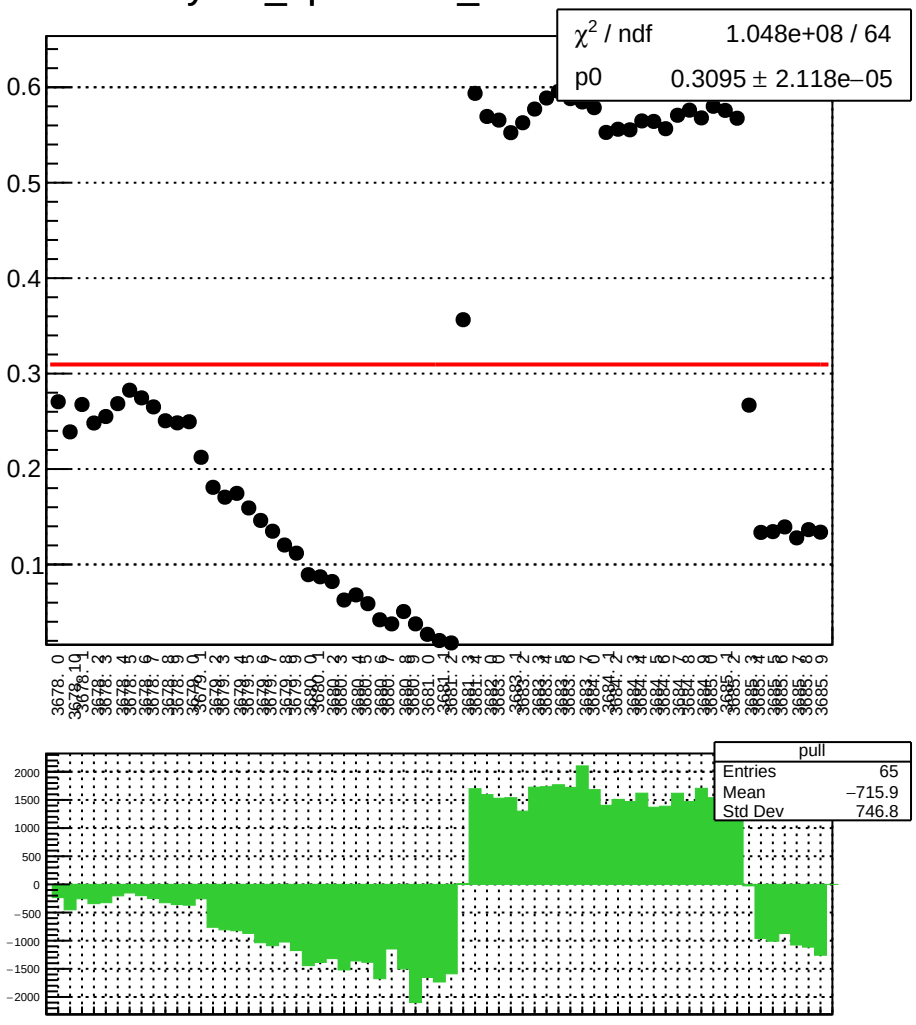

pull1D
Entries 65
Mean 4.088
Std Dev 1.825

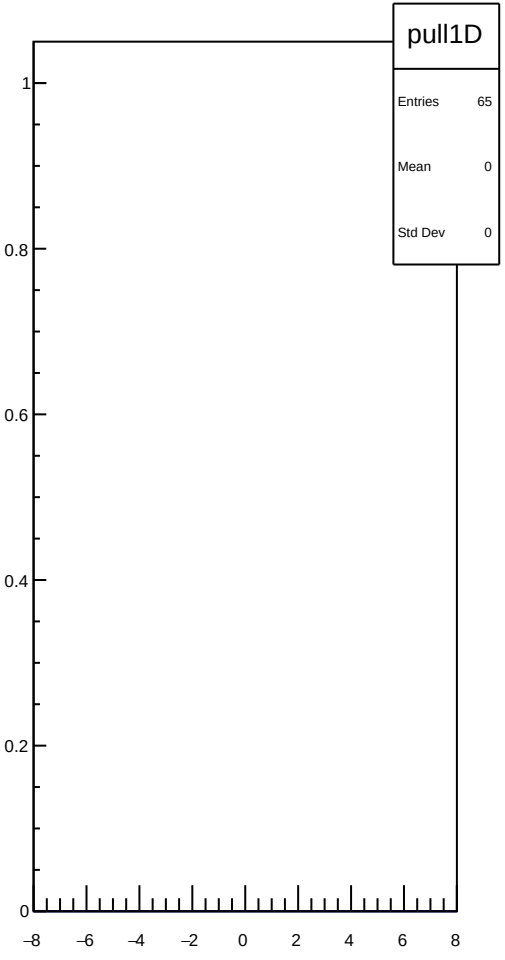

yield_bpm0l07X_rms vs run
χ² / ndf 4.135e+04 / 64
p0 0.01774 ± 1.624e−05
0.25
0.2
0.15
0.1
0.05

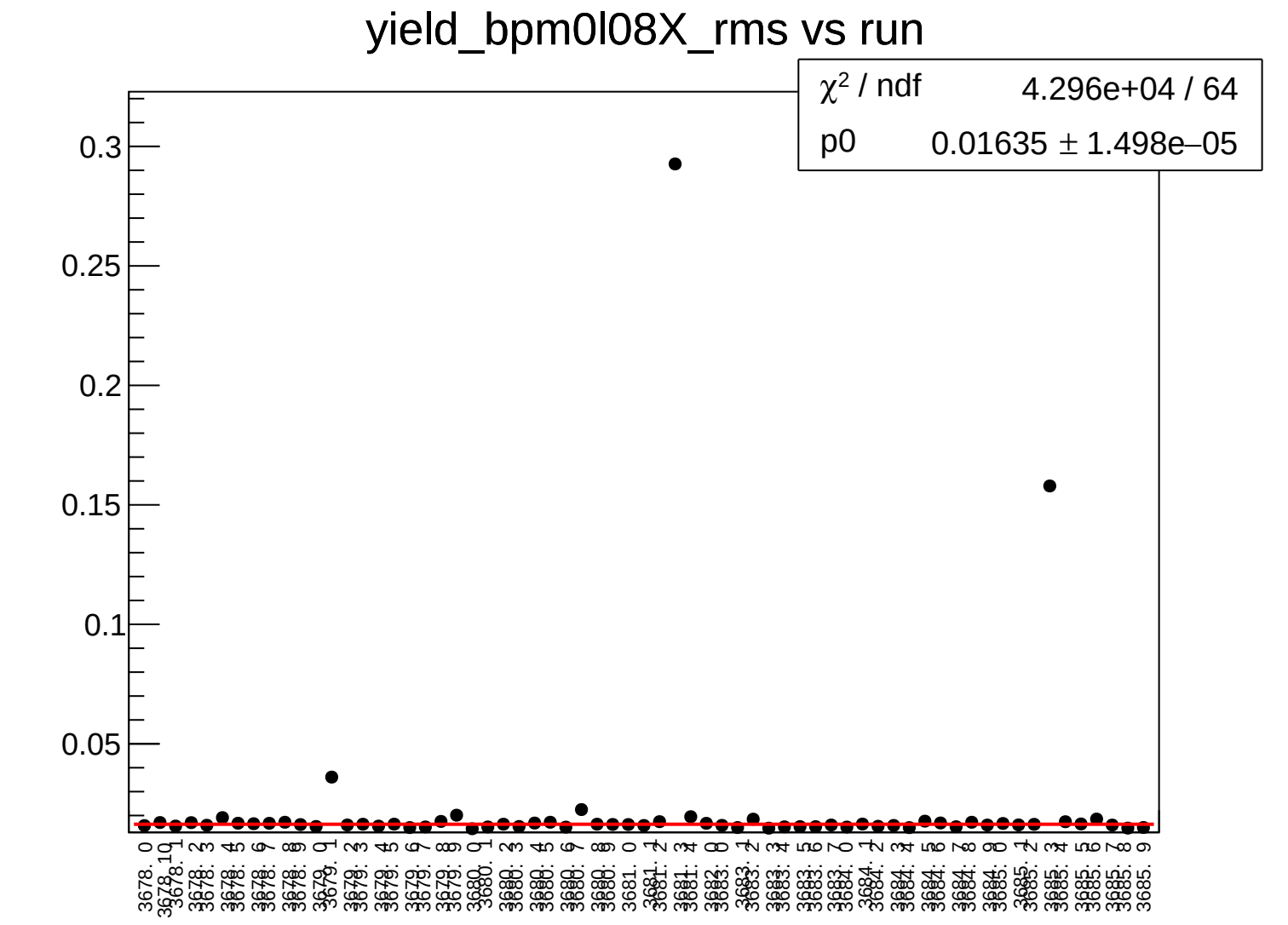

yield_bpm0l07Y_mean vs run
χ² / ndf 1.254e+06 / 64
p0 0.6139 ± 3.928e−06
0.622
0.62
0.618
0.616
0.614
0.612
0.61
0.608
0.606
0.604
pull
Entries 65
Mean 471.7
Std Dev 442.2
200
100
0
−100
−200
−300

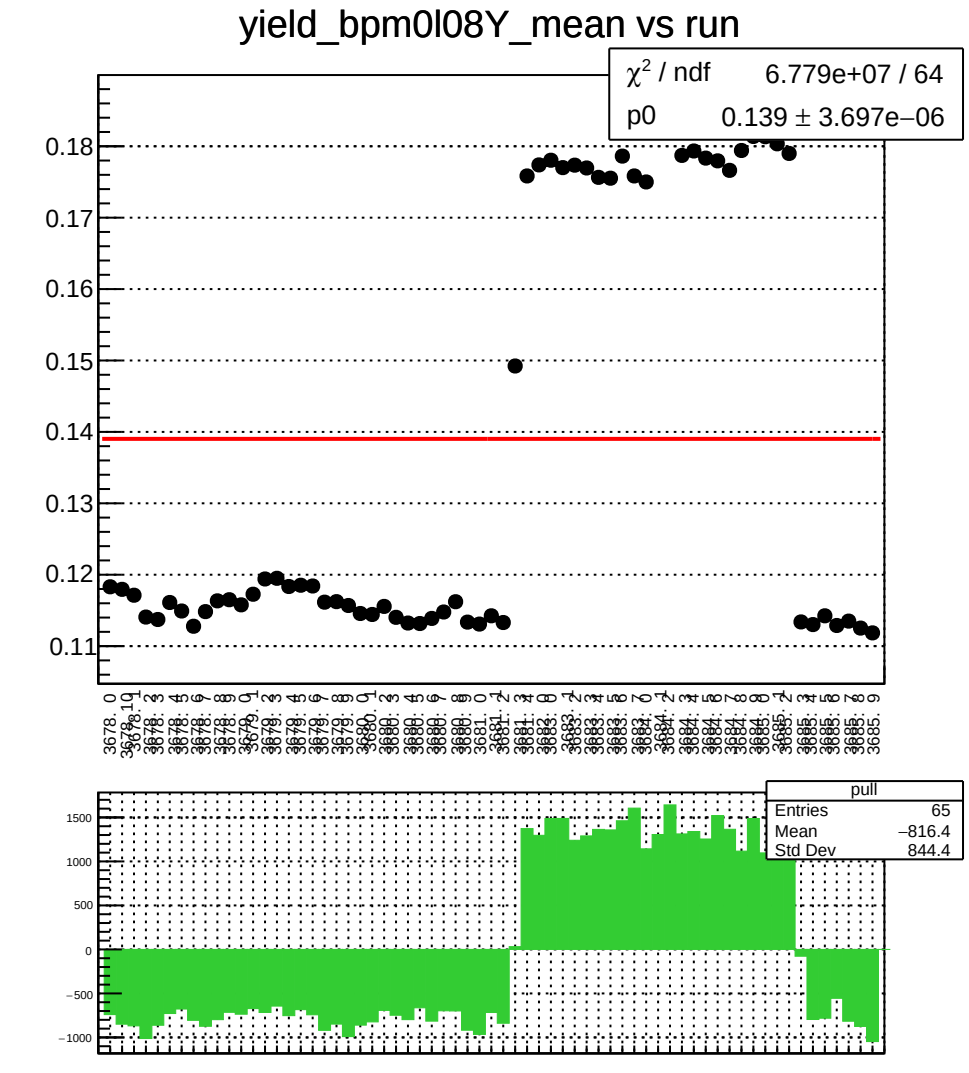

pull1D
Entries 65
Mean 3.845
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

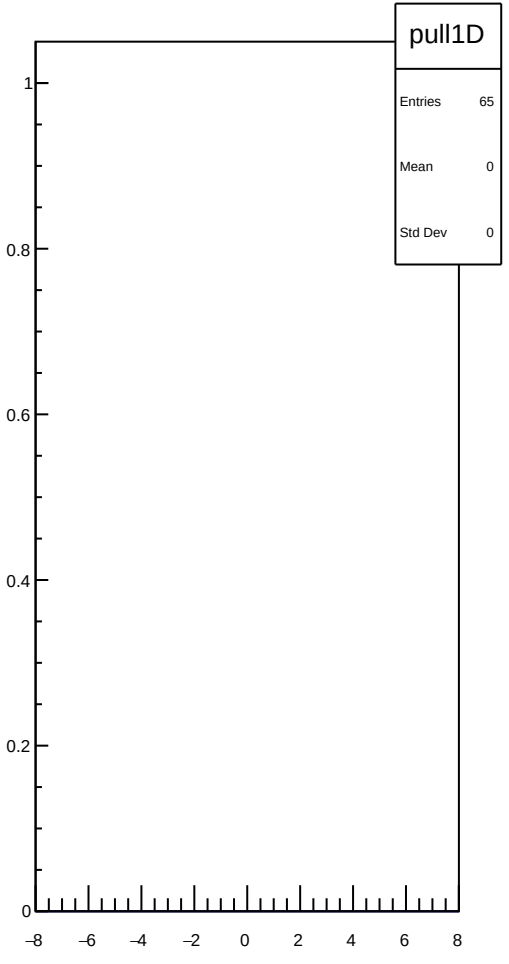

yield_bpm0l07Y_rms vs run
χ² / ndf 1.952e+04 / 64
p0 0.00306 ± 2.777e–06
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025

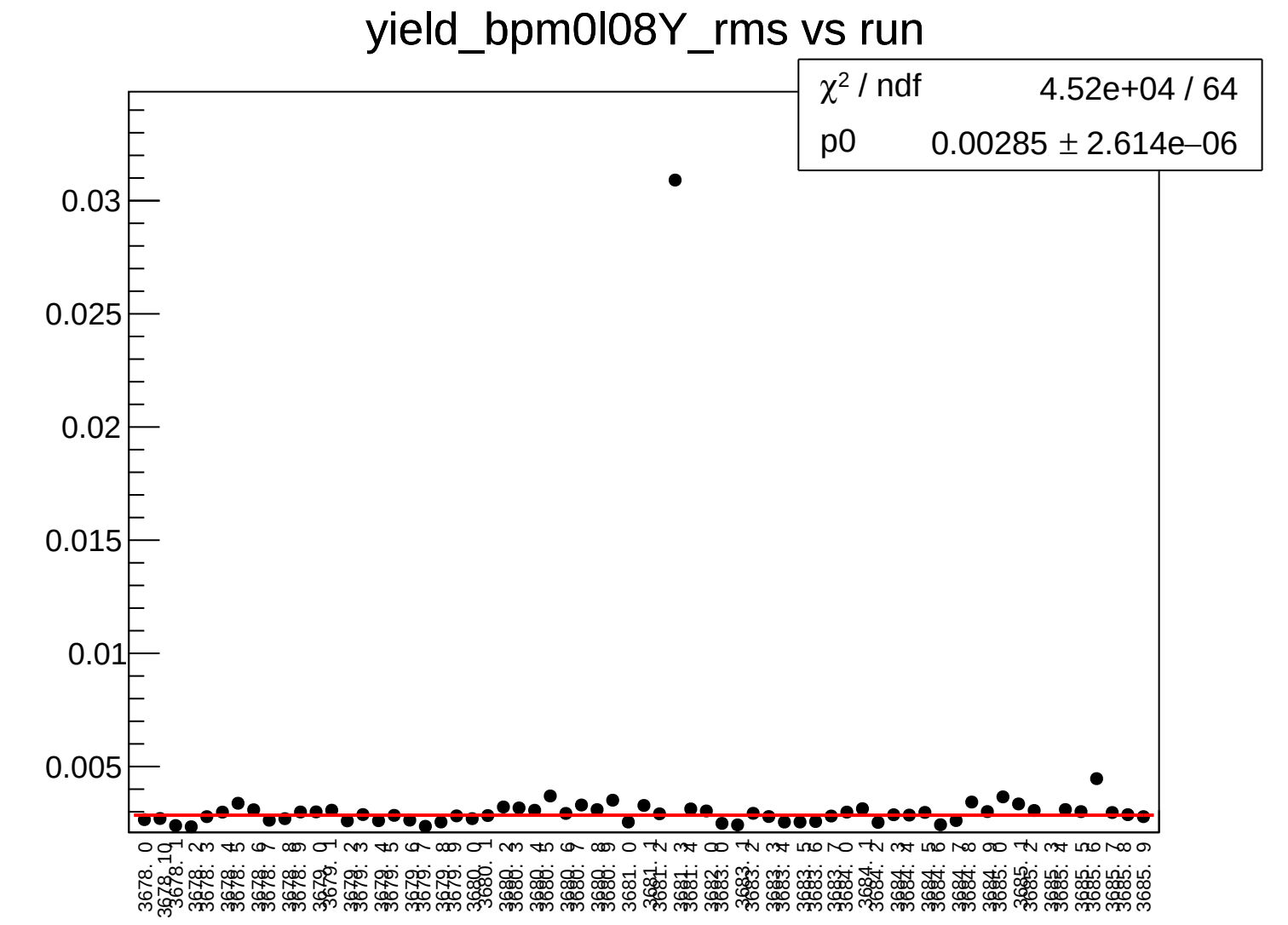

yield_bpm0l08X_mean vs run
χ² / ndf 1.048e+08 / 64
p0 0.3095 ± 2.118e−05
pull
Entries 65
Mean −715.9
Std Dev 746.8

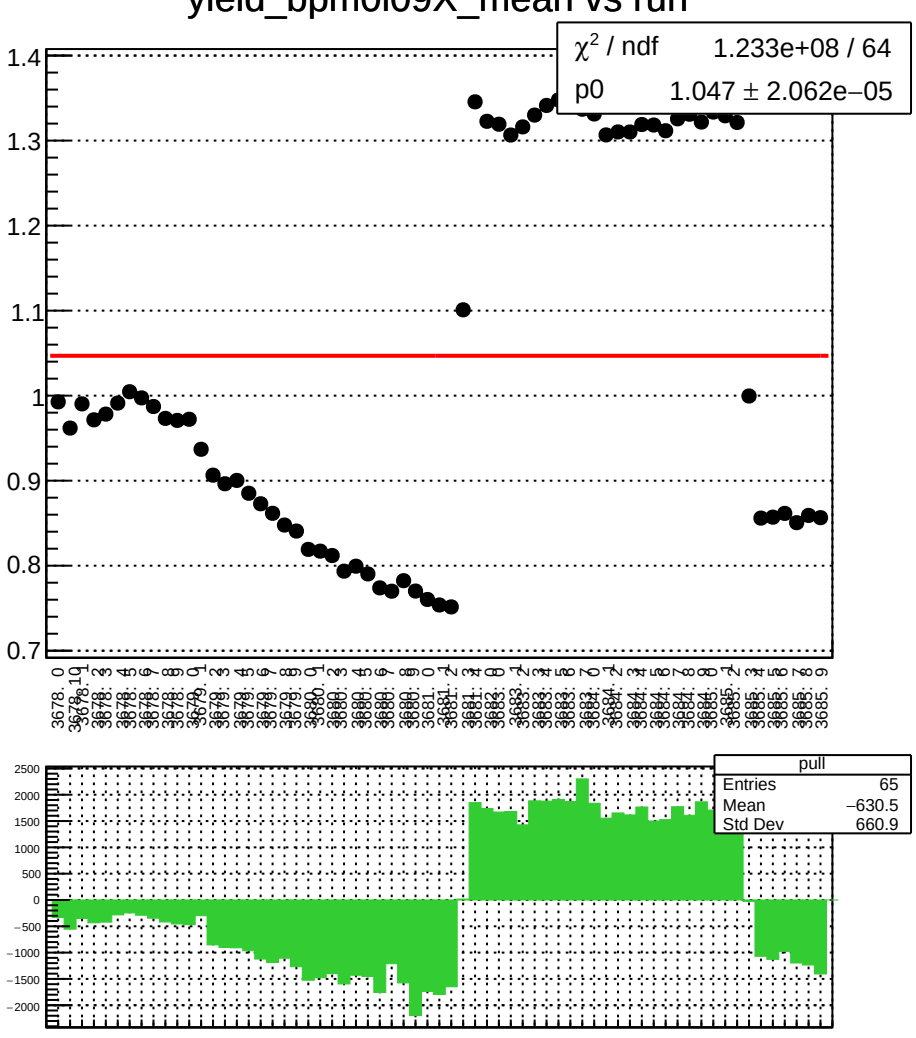

pull1D
Entries 65
Mean 0
Std Dev 0

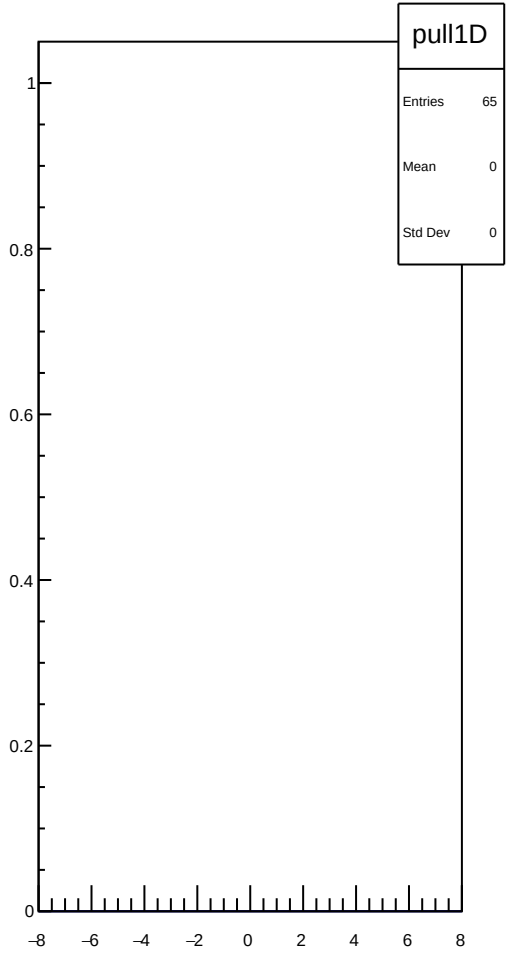

yield_bpm0l08X_rms vs run
χ² / ndf 4.296e+04 / 64
p0 0.01635 ± 1.498e–05
0.3
0.25
0.2
0.15
0.1
0.05

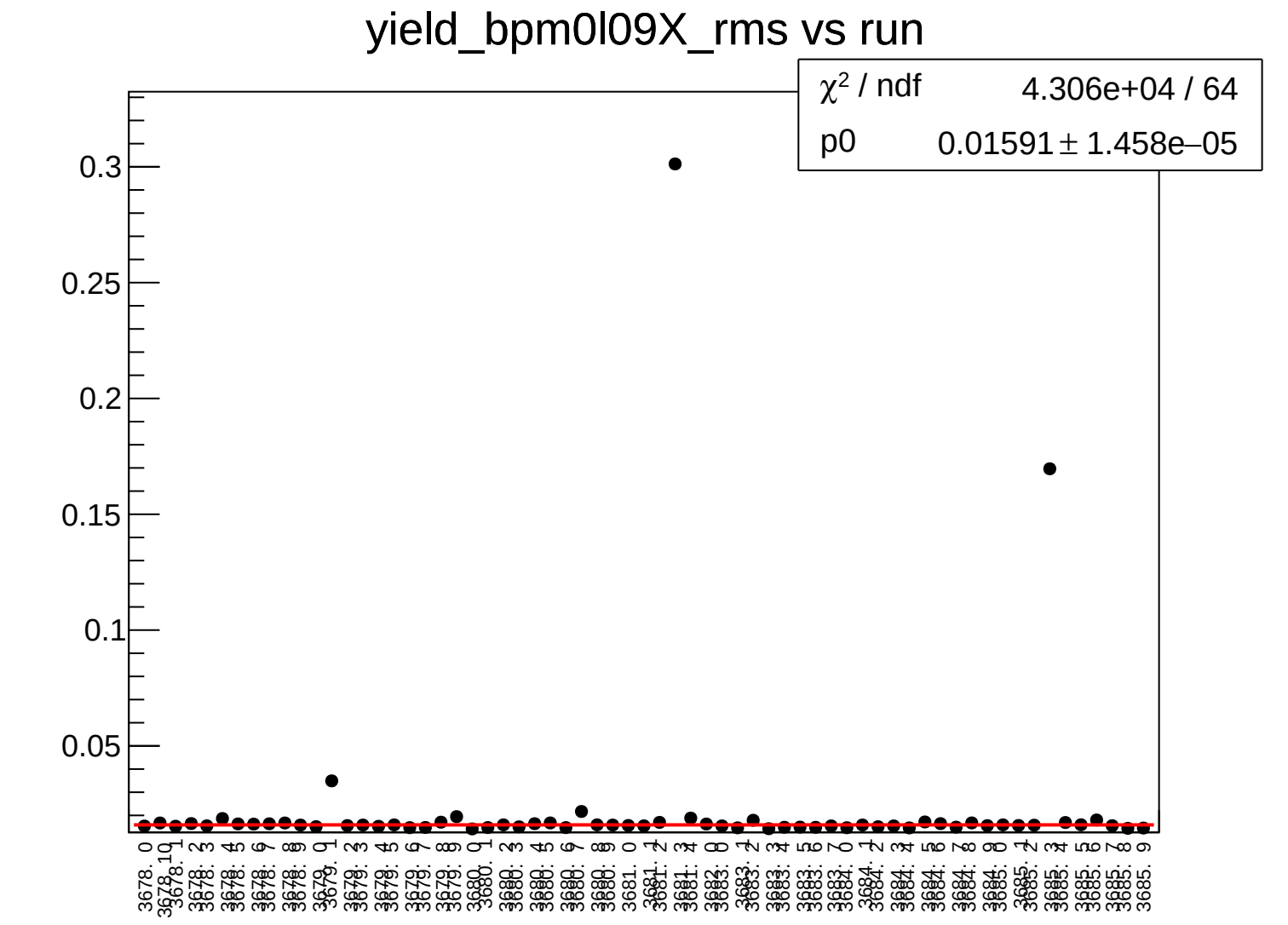

yield_bpm0l08Y_mean vs run
χ² / ndf 6.779e+07 / 64
p0 0.139 ± 3.697e−06
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
pull
Entries 65
Mean −816.4
Std Dev 844.4
1500
1000
500
0
−500
−1000

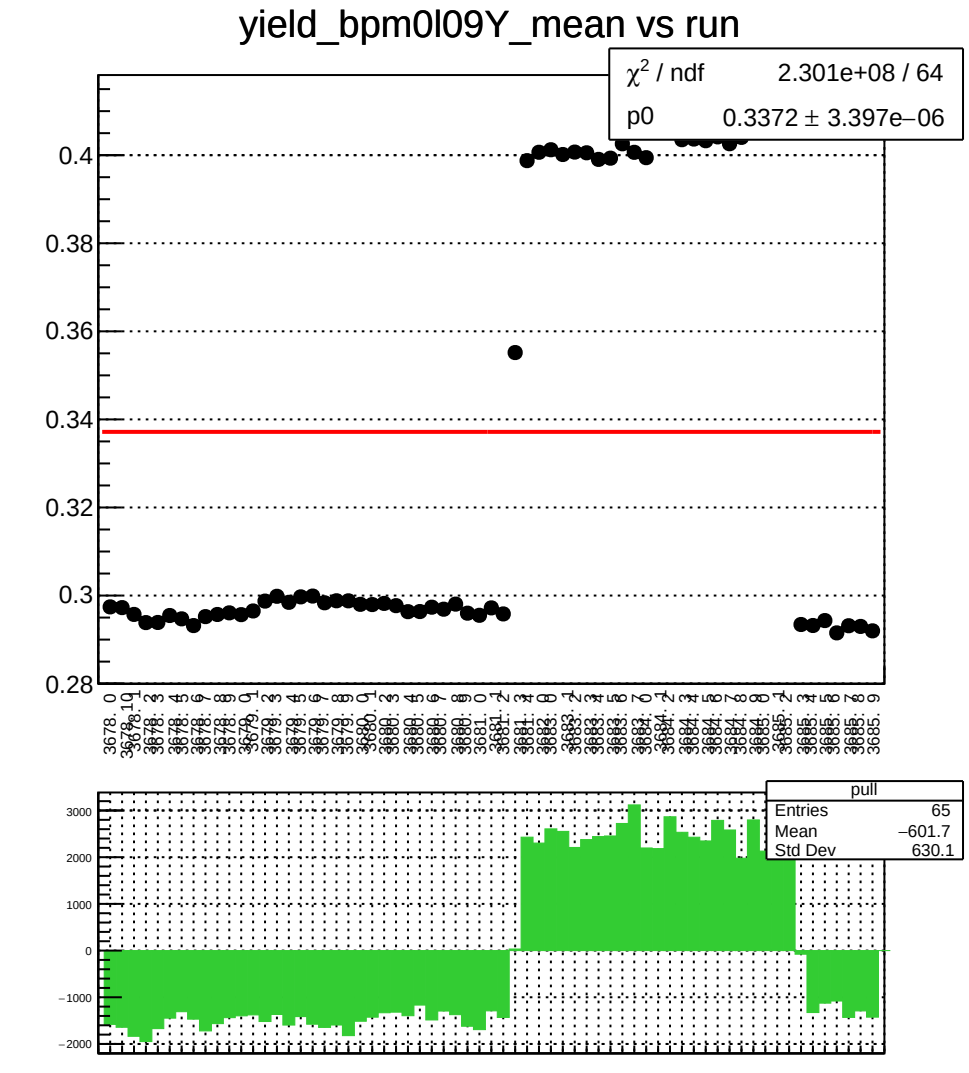

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

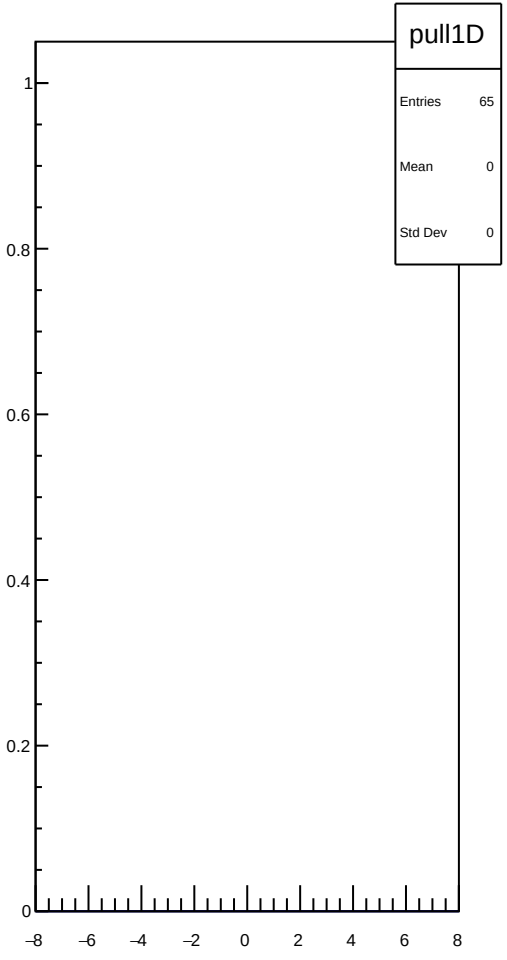

yield_bpm0l08Y_rms vs run
χ² / ndf 4.52e+04 / 64
p0 0.00285 ± 2.614e–06
0.03
0.025
0.02
0.015
0.01
0.005

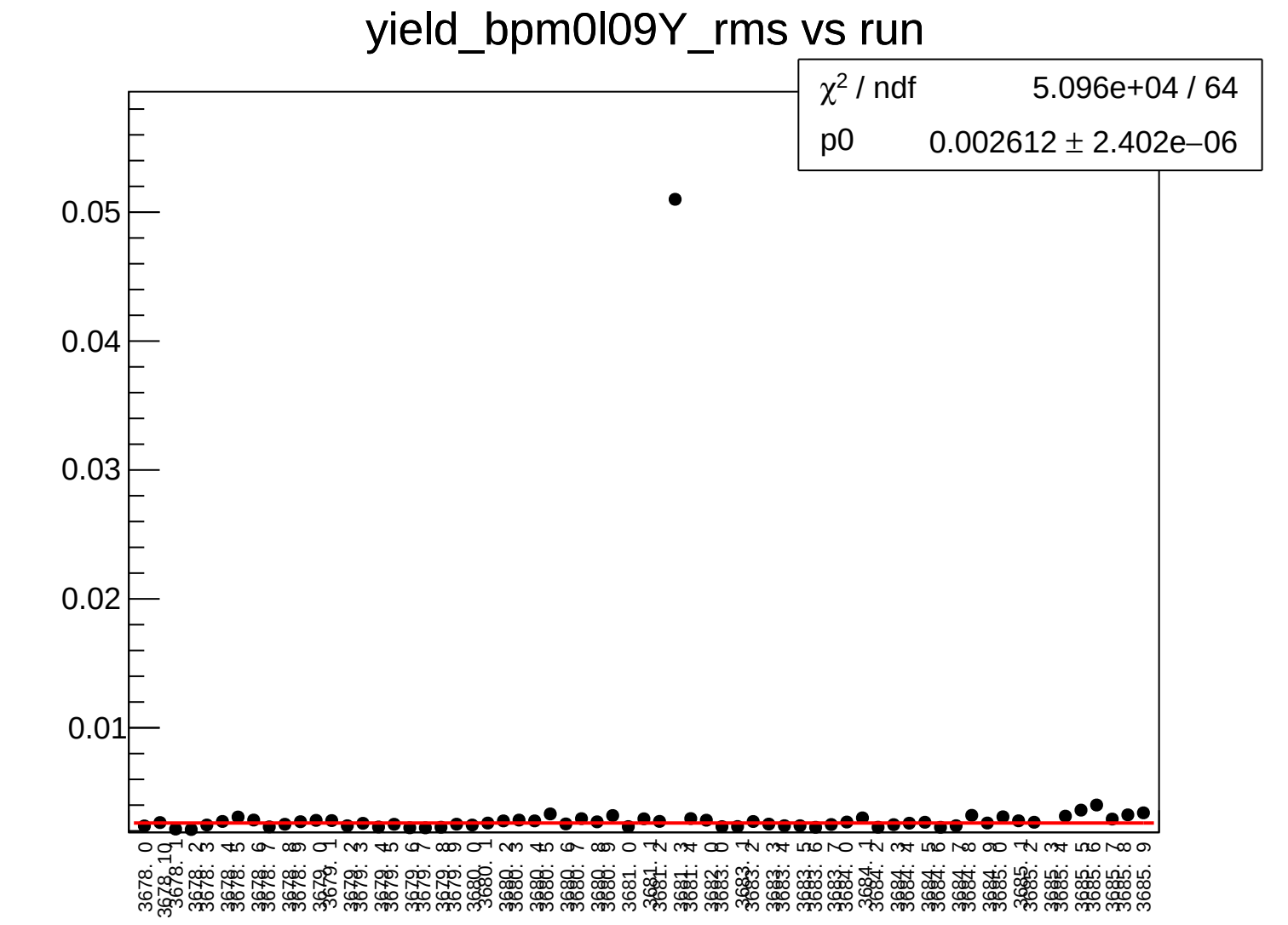

yield_bpm0l09X_mean vs run
χ² / ndf 1.233e+08 / 64
p0 1.047 ± 2.062e−05
pull
Entries 65
Mean −630.5
Std Dev 660.9

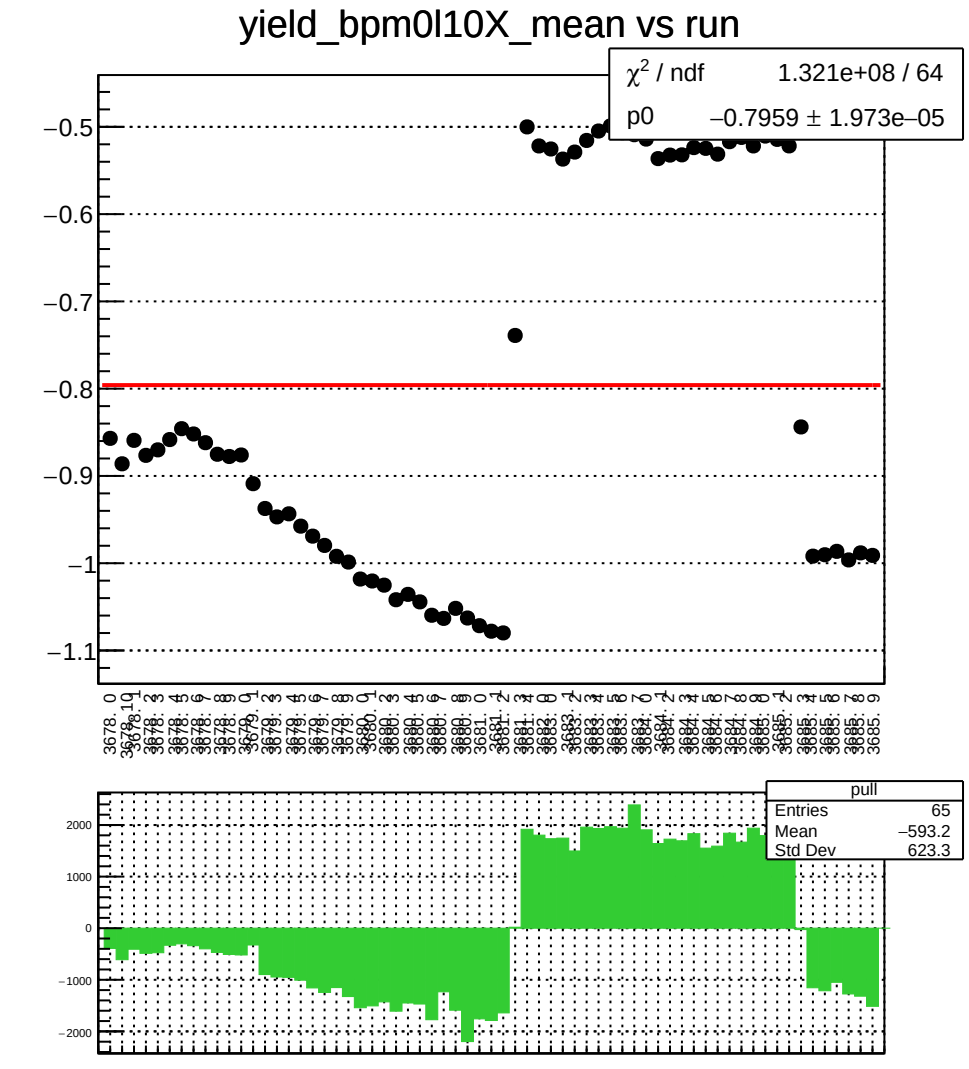

pull1D
Entries 65
Mean 0
Std Dev 0

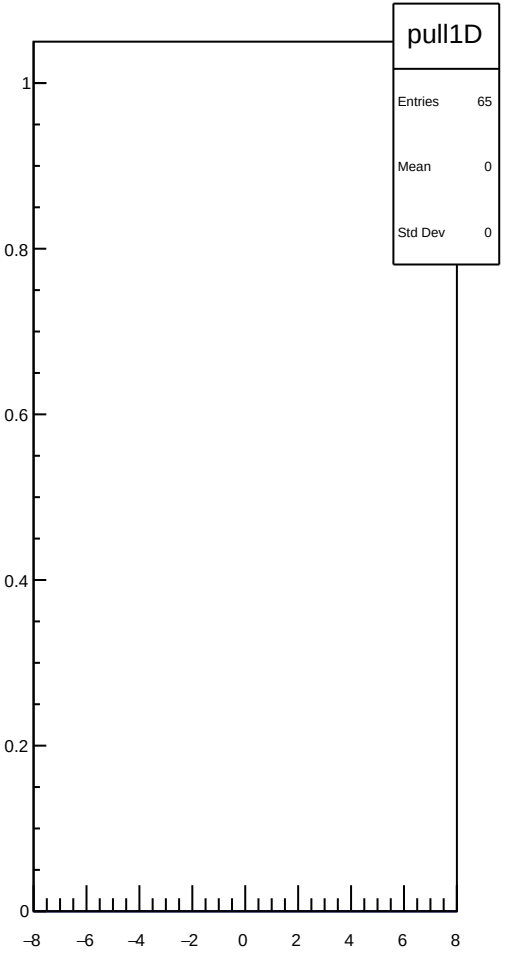

yield_bpm0l09X_rms vs run
χ² / ndf 4.306e+04 / 64
p0 0.01591 ± 1.458e–05
0.3
0.25
0.2
0.15
0.1
0.05

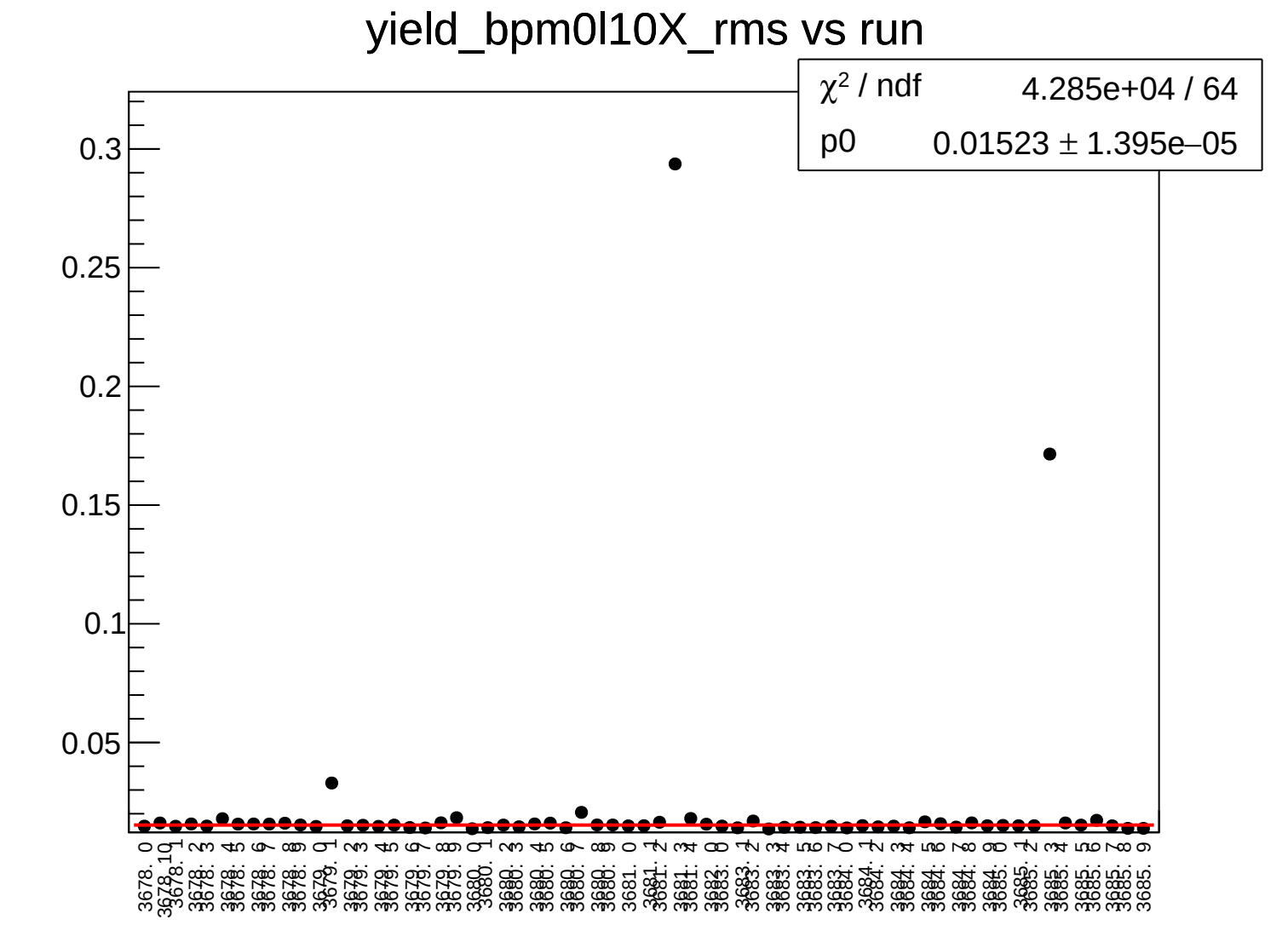

yield_bpm0l09Y_mean vs run
χ² / ndf 2.301e+08 / 64
p0 0.3372 ± 3.397e−06
0.4
0.38
0.36
0.34
0.32
0.3
0.28
pull
Entries 65
Mean −601.7
Std Dev 630.1
3000
2000
1000
0
−1000
−2000

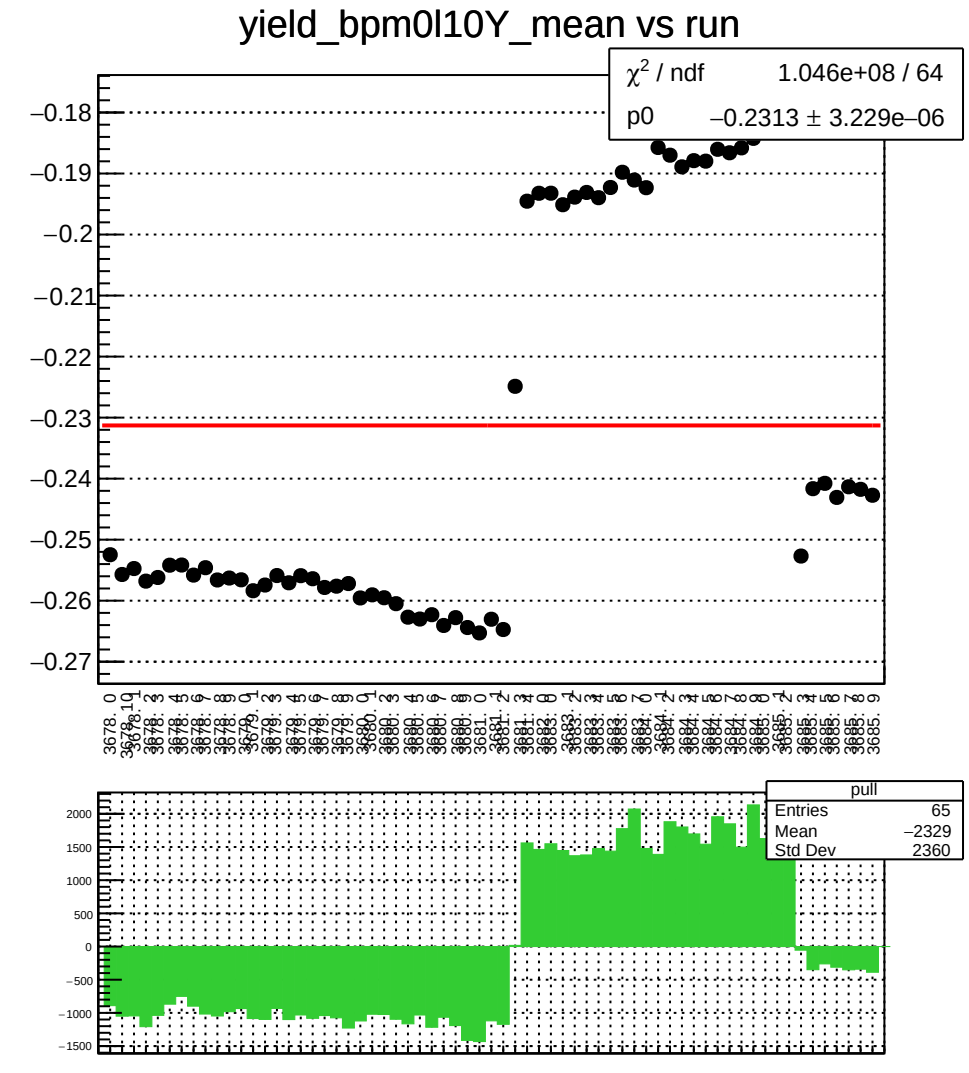

pull1D
Entries 65
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

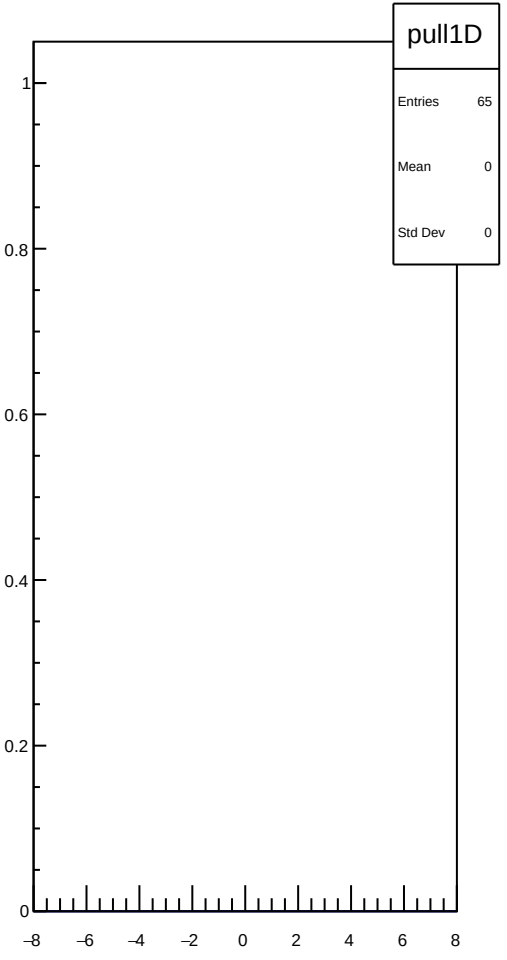

yield_bpm0l09Y_rms vs run
χ² / ndf 5.096e+04 / 64
p0 0.002612 ± 2.402e−06
0.05
0.04
0.03
0.02
0.01

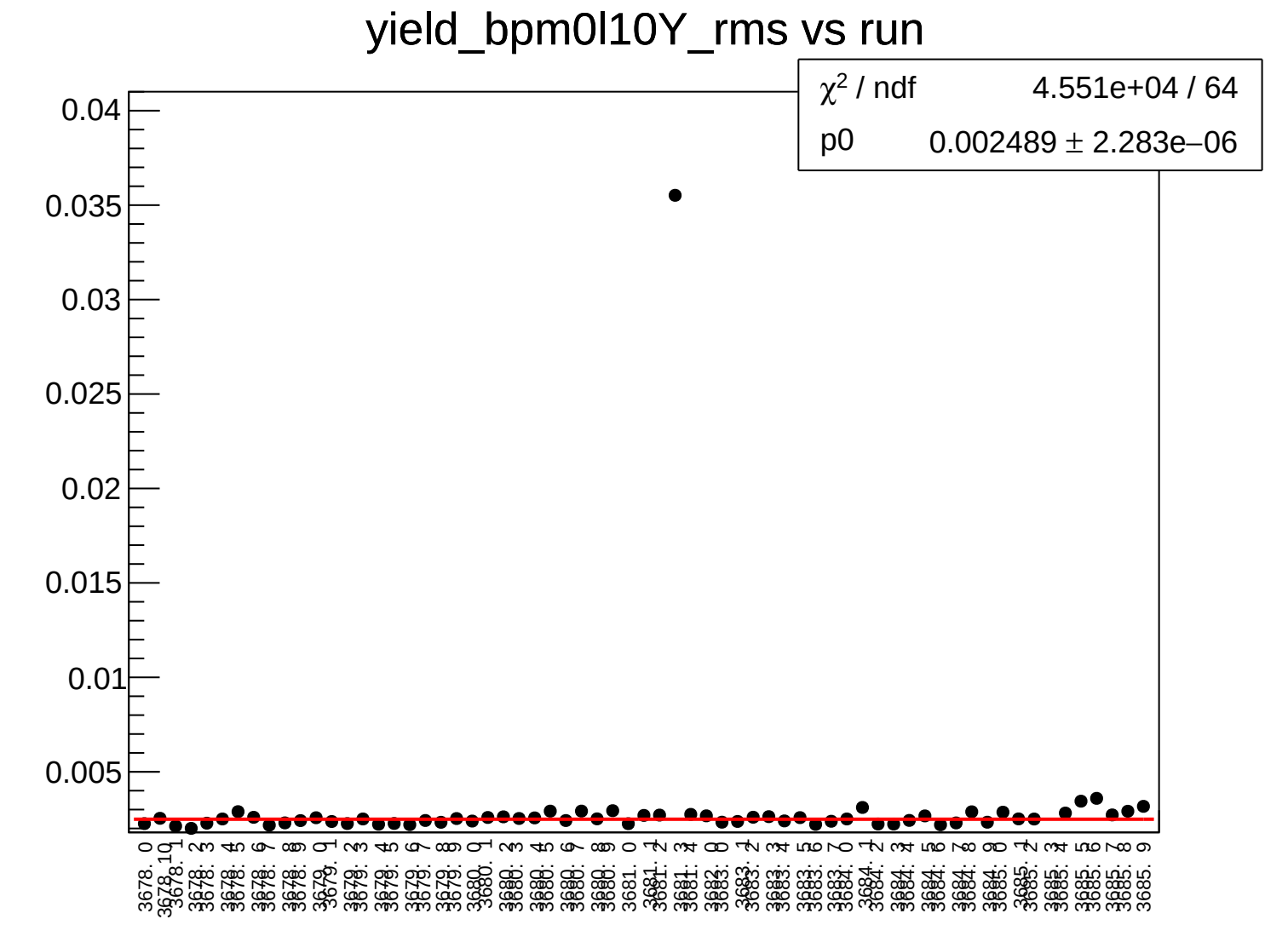

yield_bpm0l10X_mean vs run
χ² / ndf 1.321e+08 / 64
p0 −0.7959 ± 1.973e−05
pull
Entries 65
Mean −593.2
Std Dev 623.3


pull1D
Entries 65
Mean 0
Std Dev 0


yield_bpm0l10X_rms vs run
χ² / ndf 4.285e+04 / 64
p0 0.01523 ± 1.395e–05
0.3
0.25
0.2
0.15
0.1
0.05


yield_bpm0l10Y_mean vs run
χ² / ndf 1.046e+08 / 64
p0 −0.2313 ± 3.229e−06
pull
Entries 65
Mean −2329
Std Dev 2360


pull1D
Entries 65
Mean 0
Std Dev 0


yield_bpm0l10Y_rms vs run
χ² / ndf 4.551e+04 / 64
p0 0.002489 ± 2.283e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005