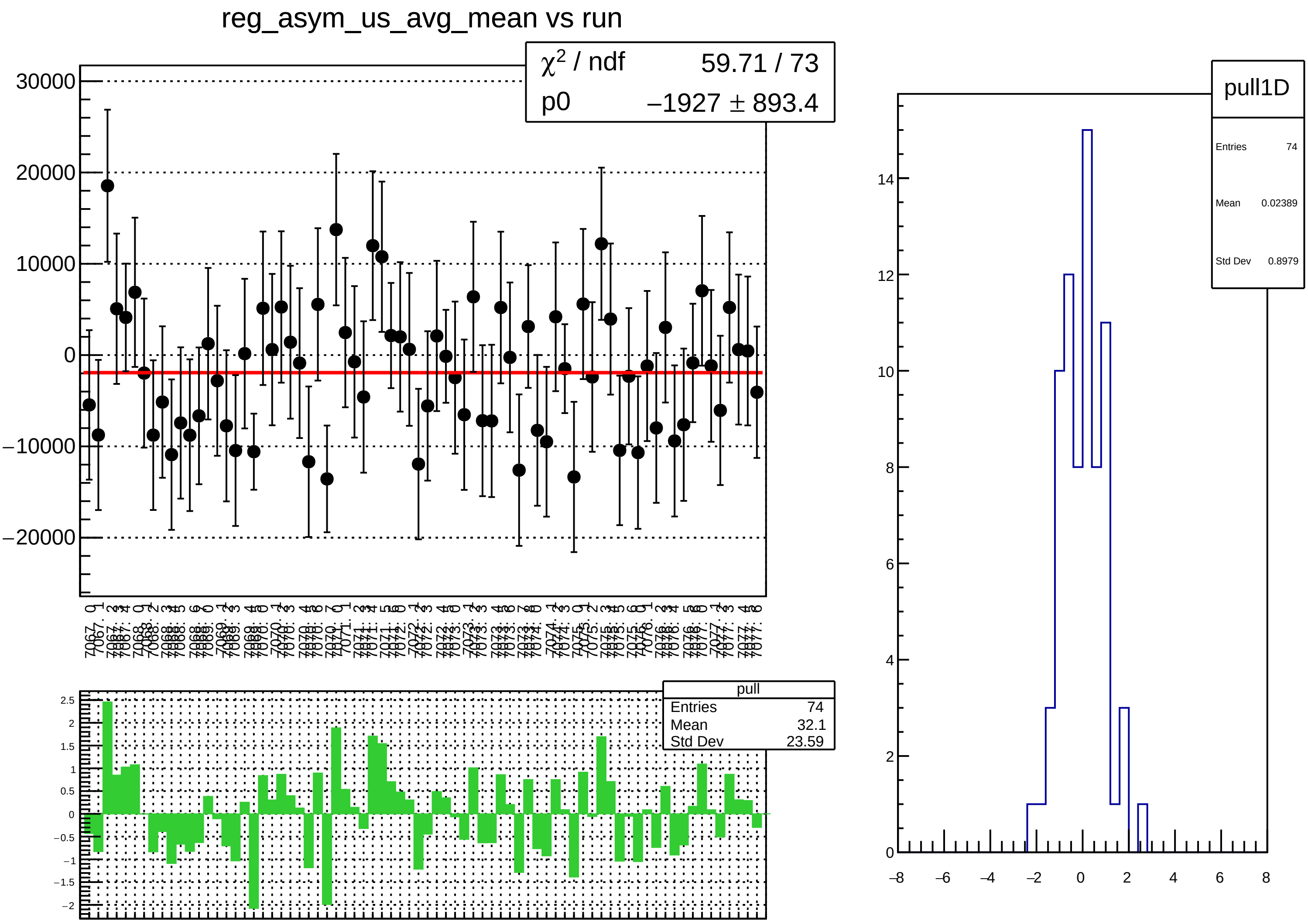
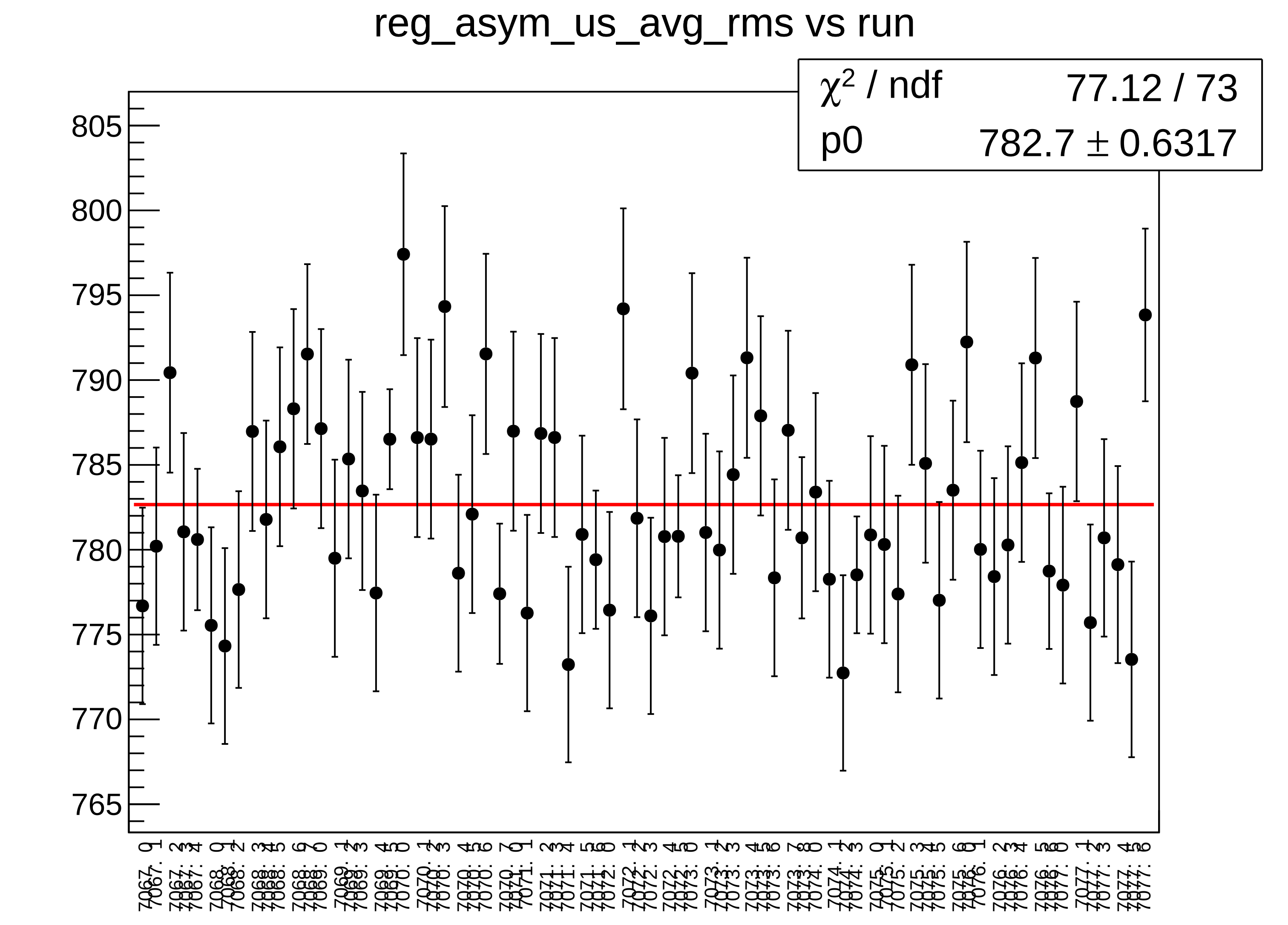
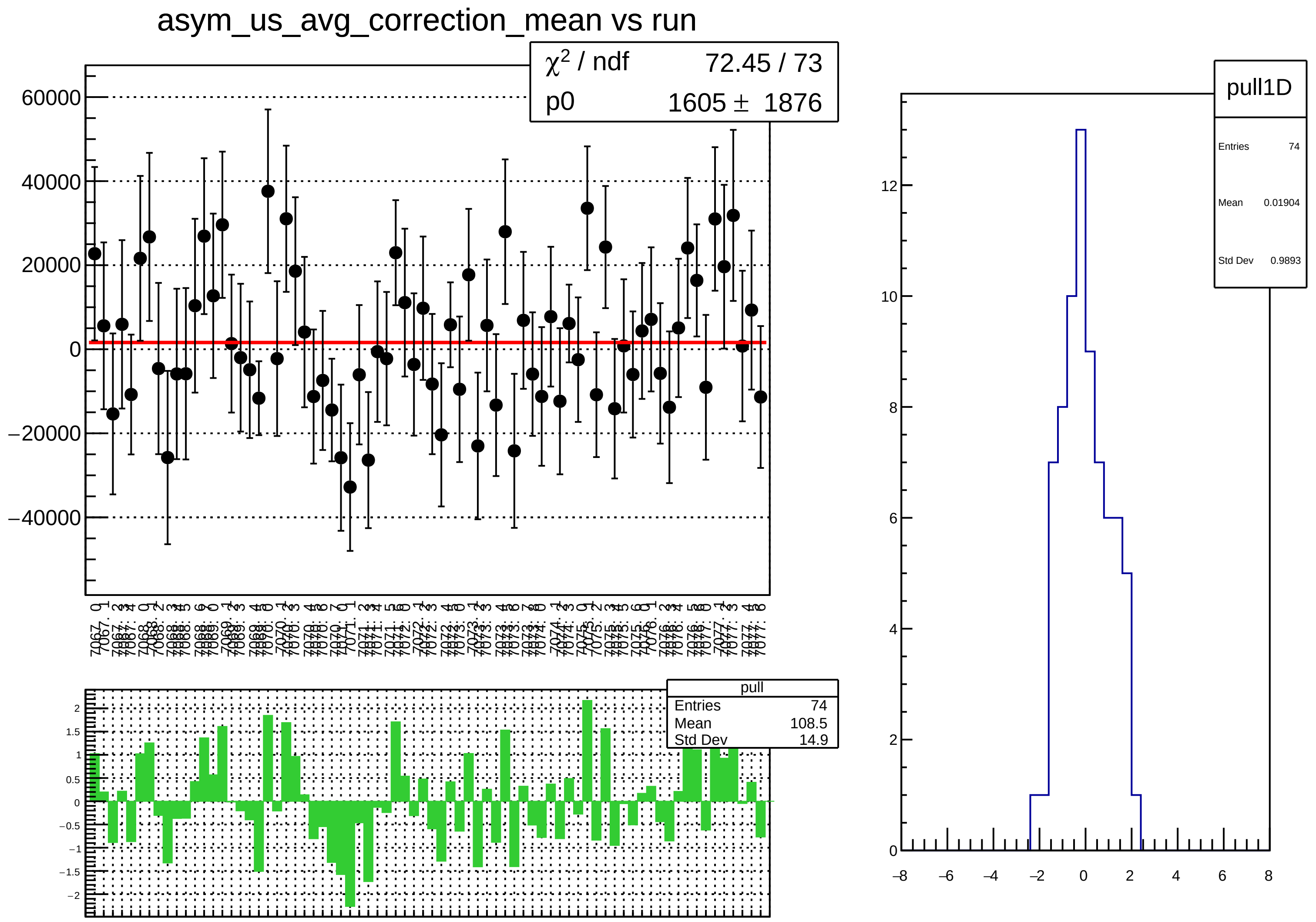
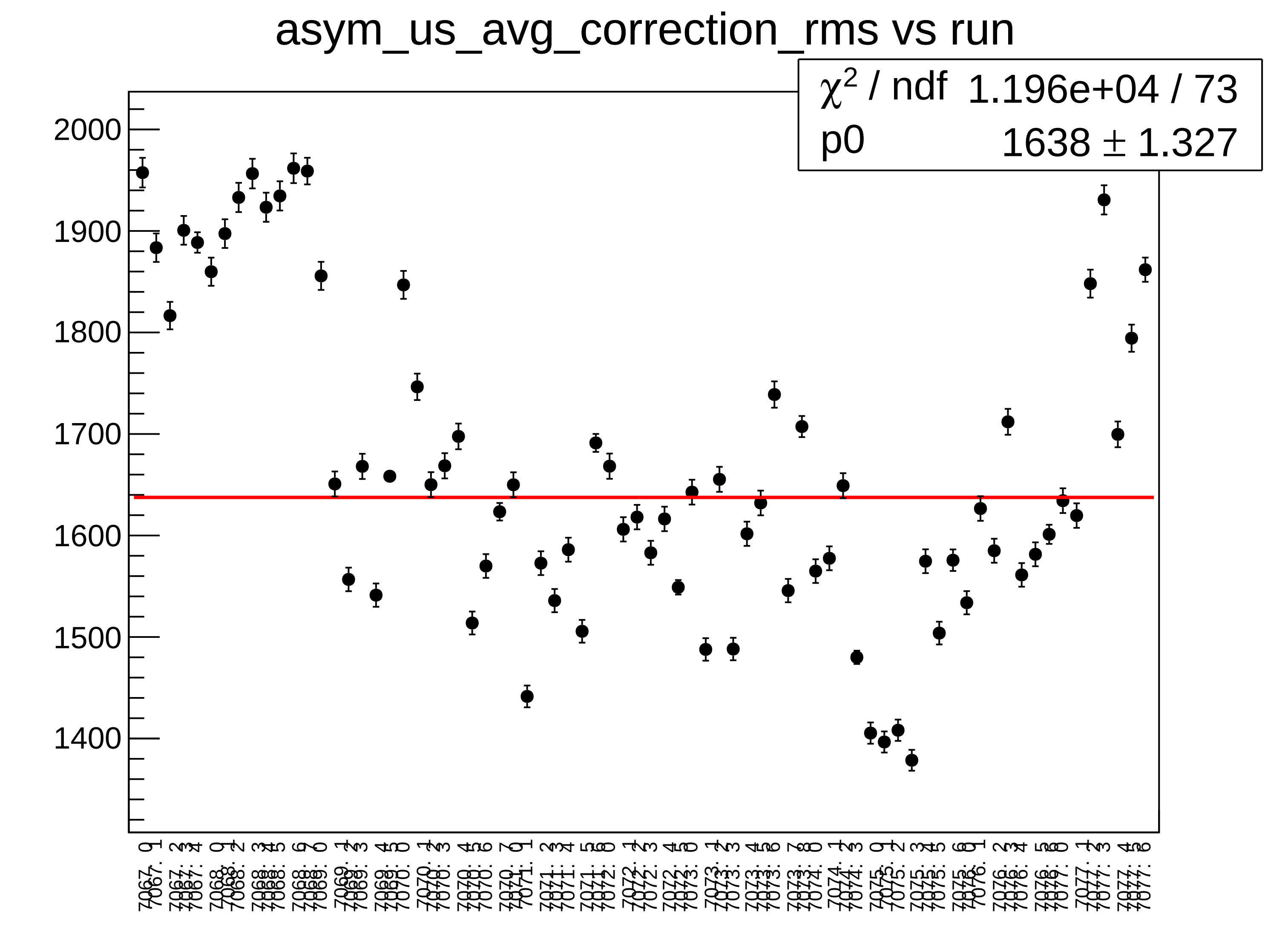
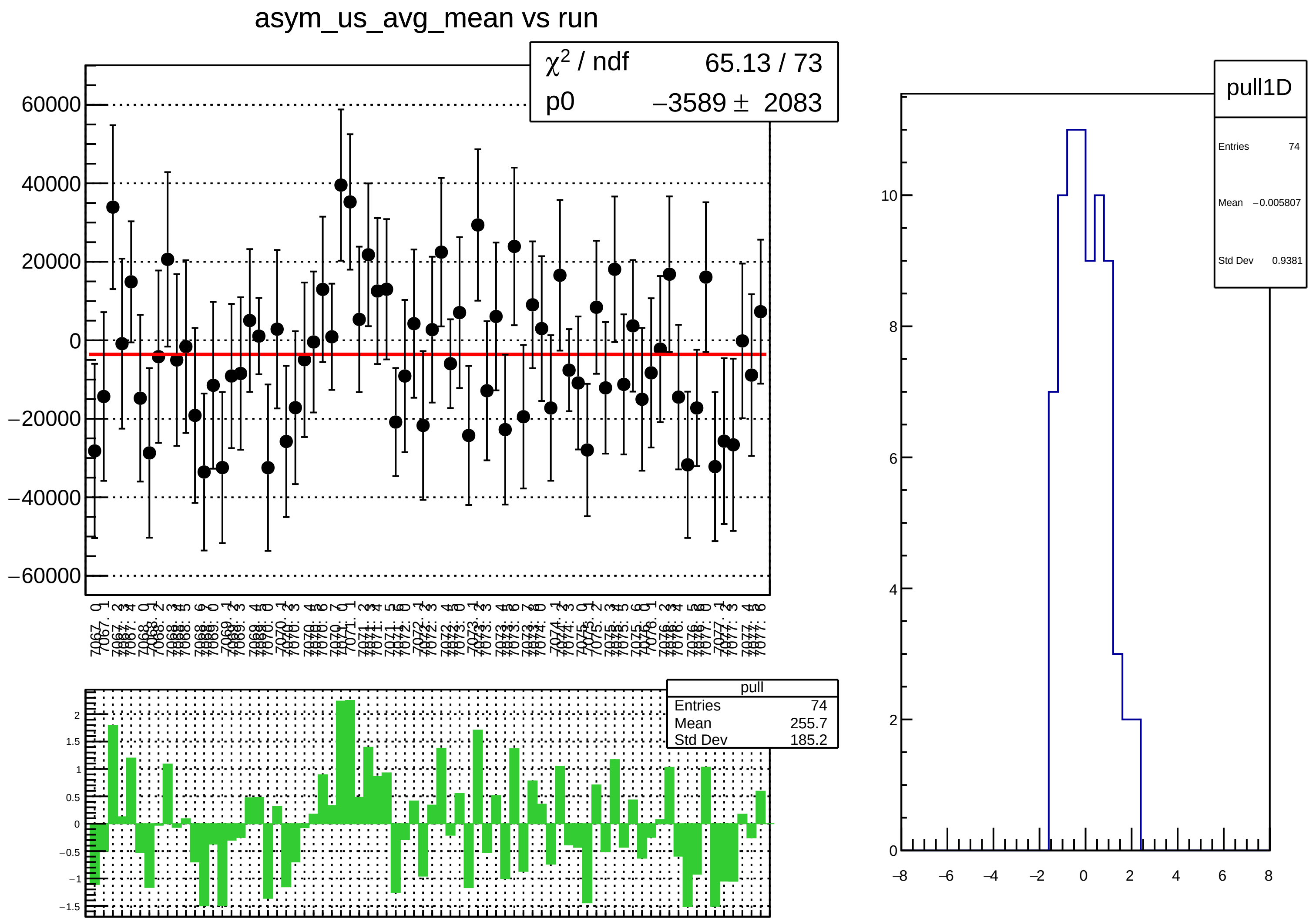

reg_asym_us_avg_mean vs run
χ2 / ndf 59.71 / 73
p0 −1927 ± 893.4
pull
Entries 74
Mean 32.1
Std Dev 23.59
pull1D
Entries 74
Mean 0.02389
Std Dev 0.8979

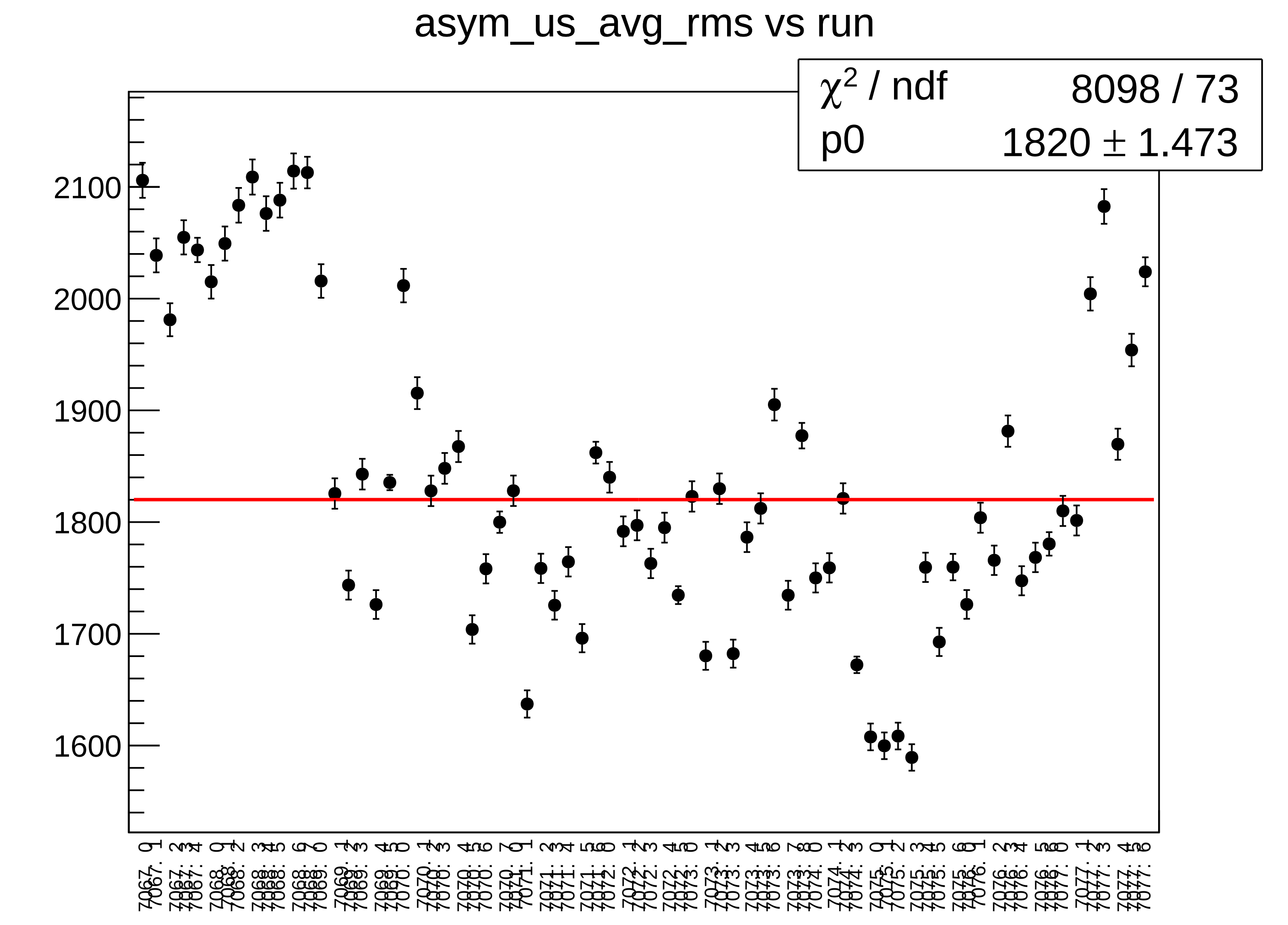

reg_asym_us_avg_rms vs run
χ^2 / ndf 77.12 / 73
p0 782.7 ± 0.6317
805
800
795
790
785
780
775
770
765



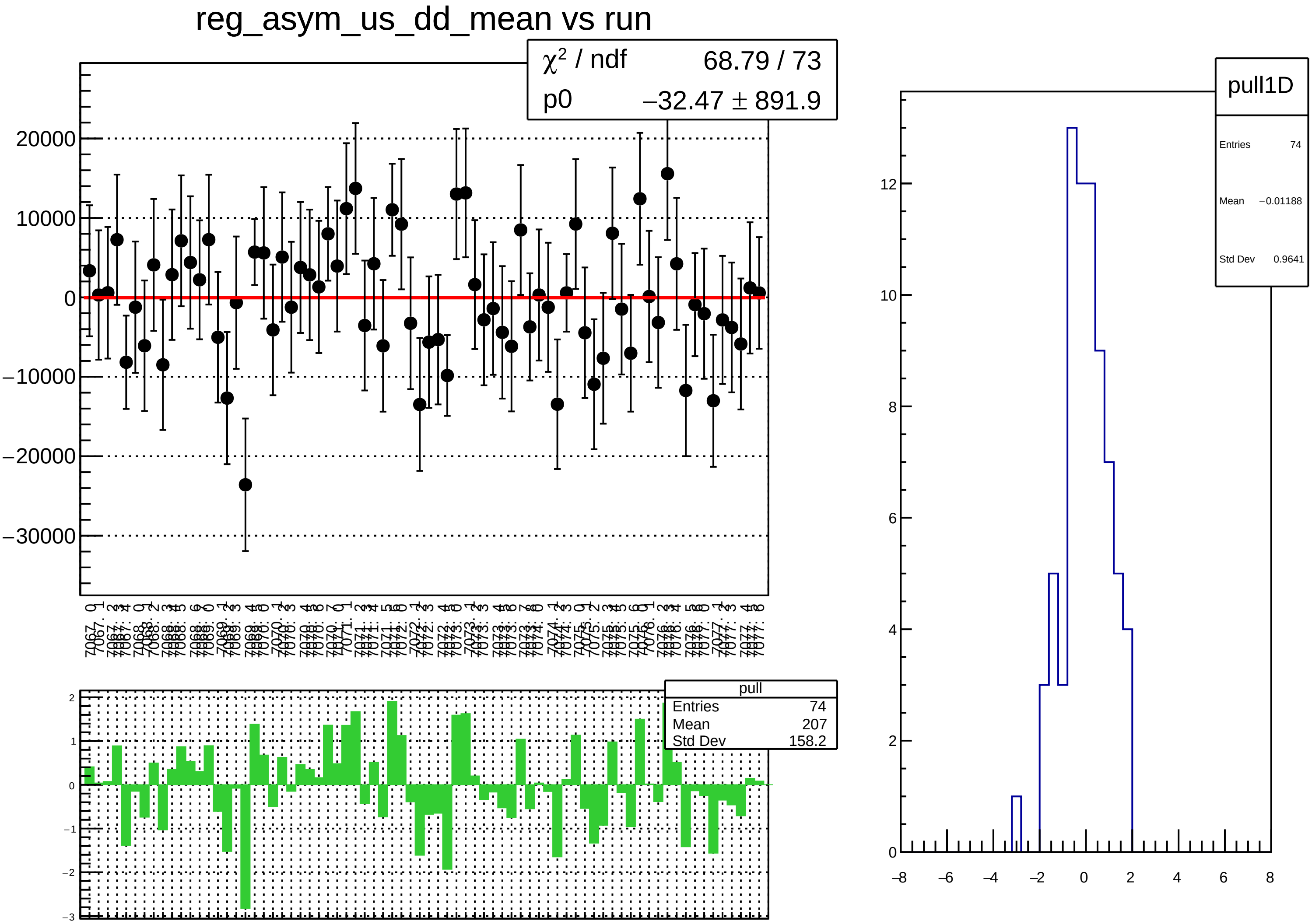
asym_us_avg_correction_mean vs run
χ² / ndf 72.45 / 73
p0 1605 ± 1876
pull
Entries 74
Mean 108.5
Std Dev 14.9
pull1D
Entries 74
Mean 0.01904
Std Dev 0.9893


asym_us_avg_correction_rms vs run
χ2 / ndf 1.196e+04 / 73
p0 1638 ± 1.327
2000
1900
1800
1700
1600
1500
1400

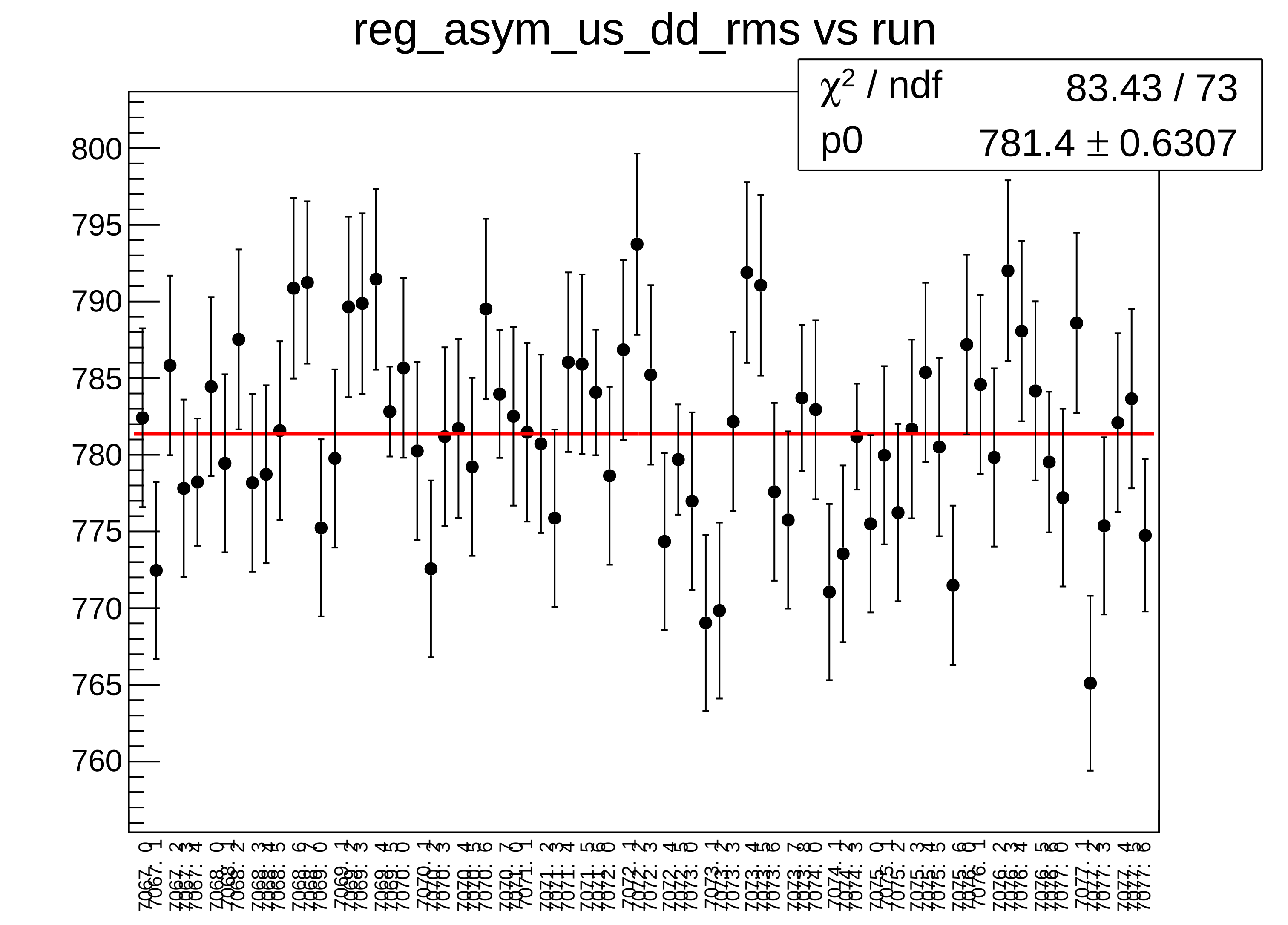

asym_us_avg_mean vs run
χ^2 / ndf 65.13 / 73
p0 −3589 ± 2083
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 255.7
Std Dev 185.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 74
Mean −0.005807
Std Dev 0.9381
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

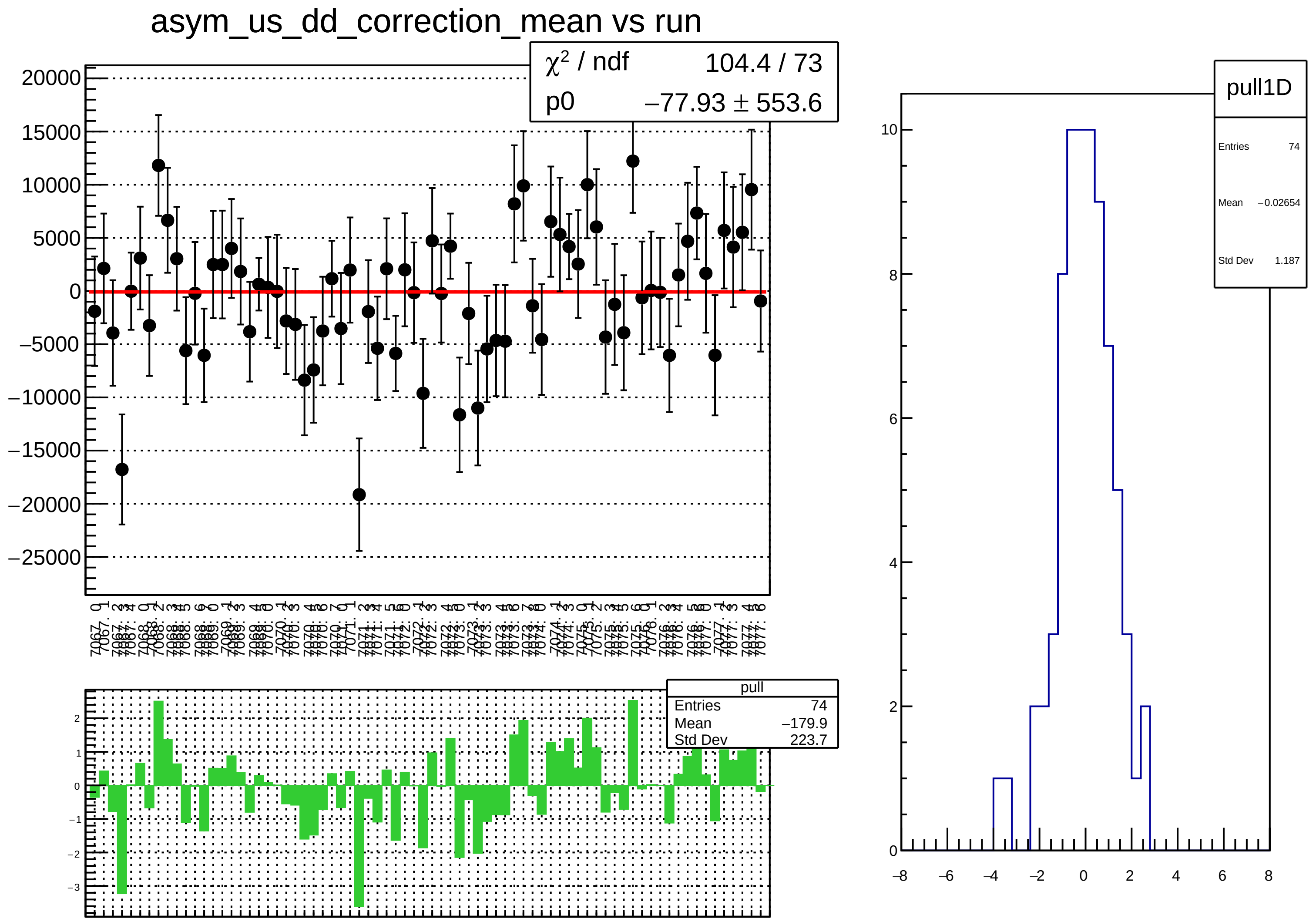


asym_us_avg_rms vs run
χ^2 / ndf 8098 / 73
p0 1820 ± 1.473
2100
2000
1900
1800
1700
1600

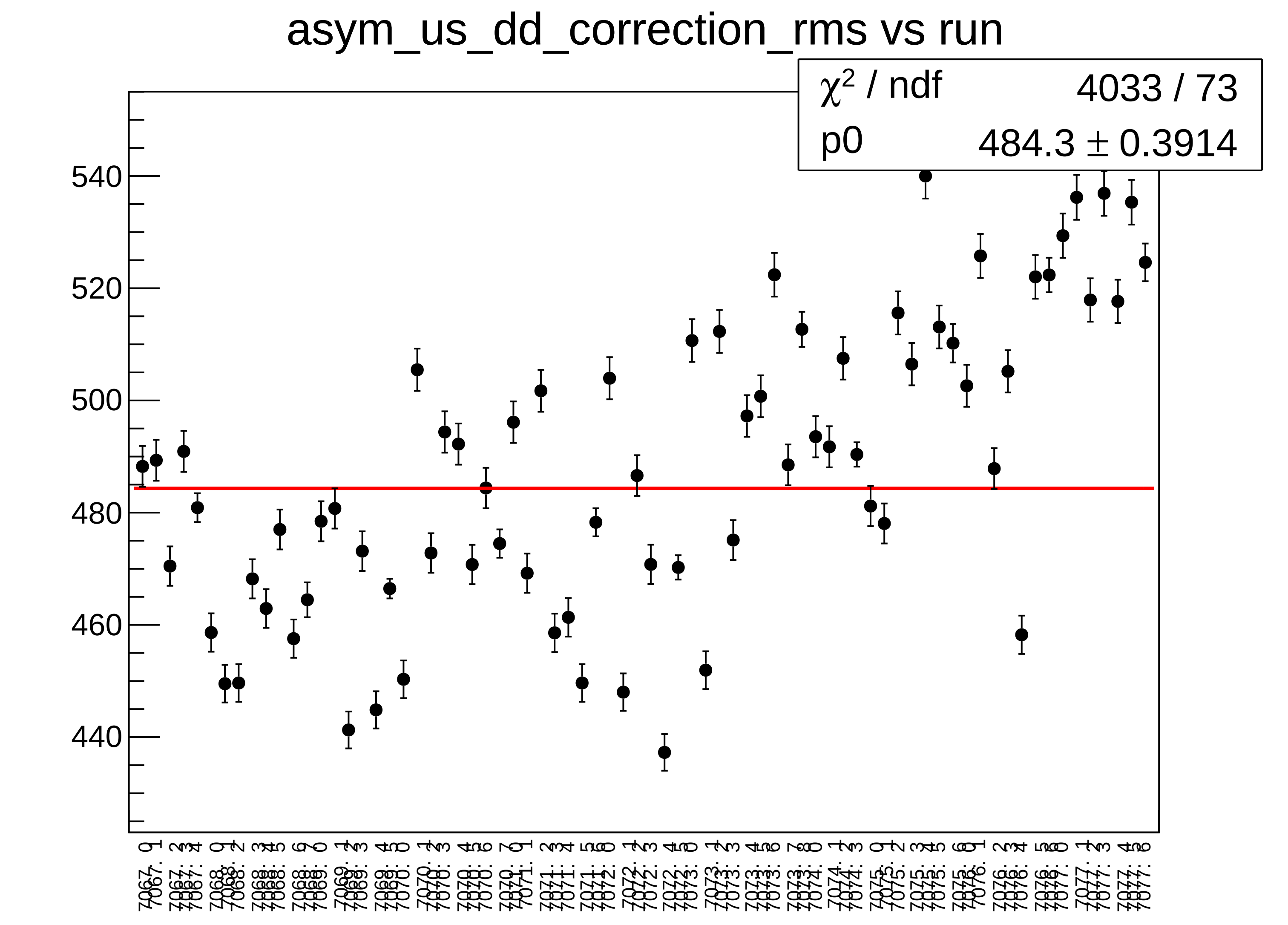


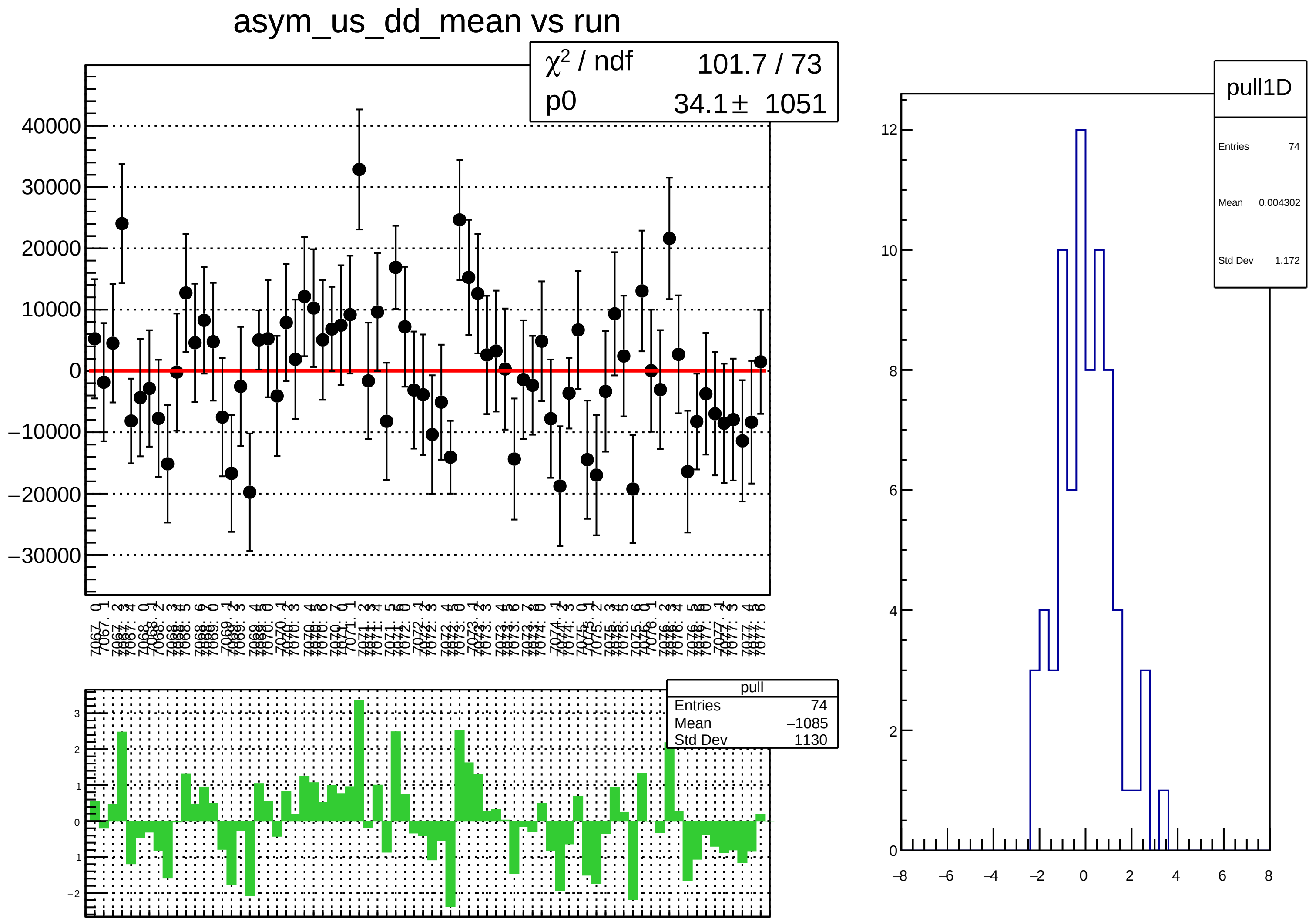
reg_asym_us_dd_mean vs run
χ^2 / ndf 68.79 / 73
p0 −32.47 ± 891.9
pull
Entries 74
Mean 207
Std Dev 158.2
pull1D
Entries 74
Mean −0.01188
Std Dev 0.9641


reg_asym_us_dd_rms vs run
χ^2 / ndf 83.43 / 73
p0 781.4 ± 0.6307
800
795
790
785
780
775
770
765
760

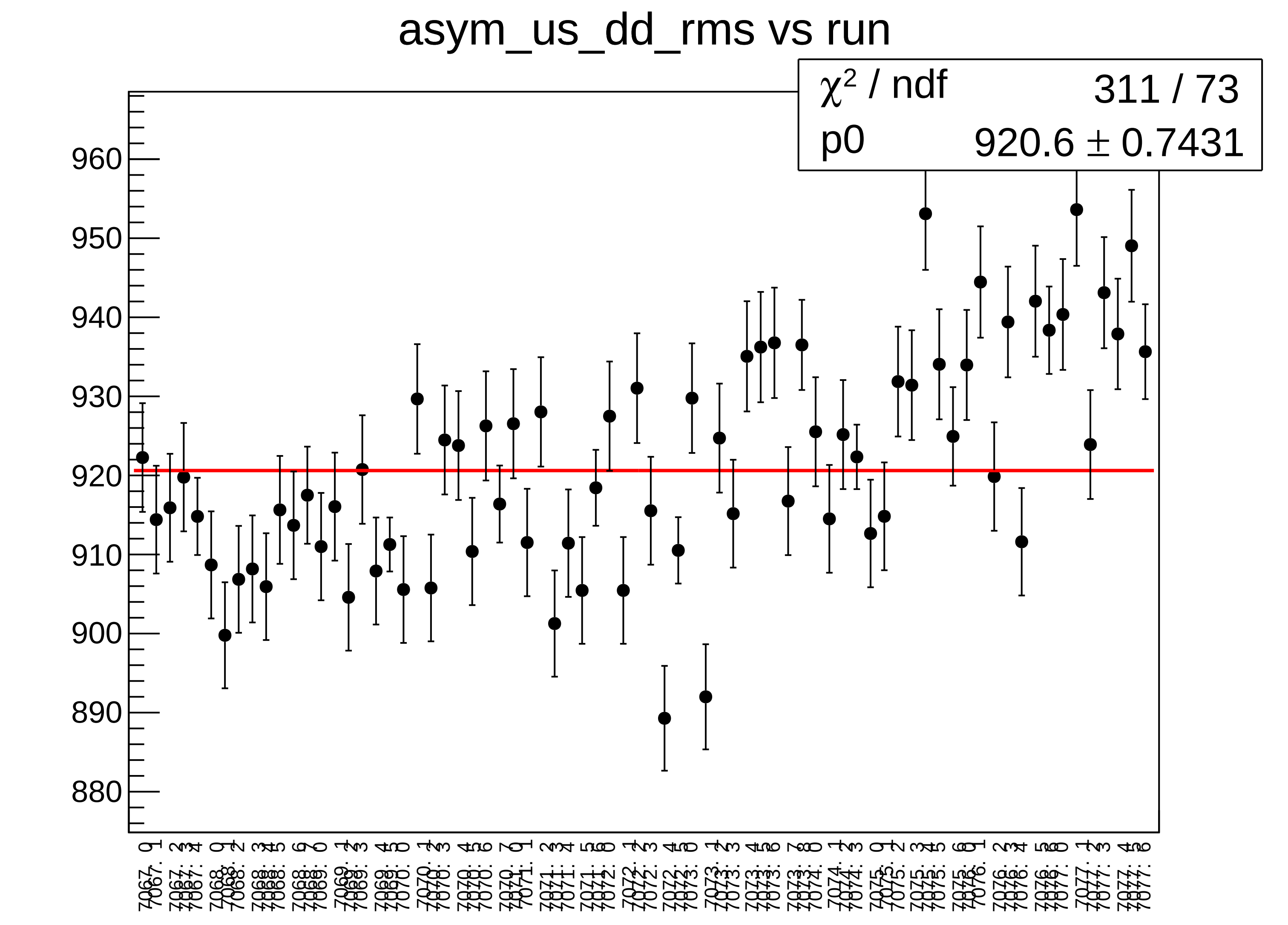


asym_us_dd_correction_mean vs run
χ^2 / ndf 104.4 / 73
p0 −77.93 ± 553.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 74
Mean −179.9
Std Dev 223.7
pull1D
Entries 74
Mean −0.02654
Std Dev 1.187

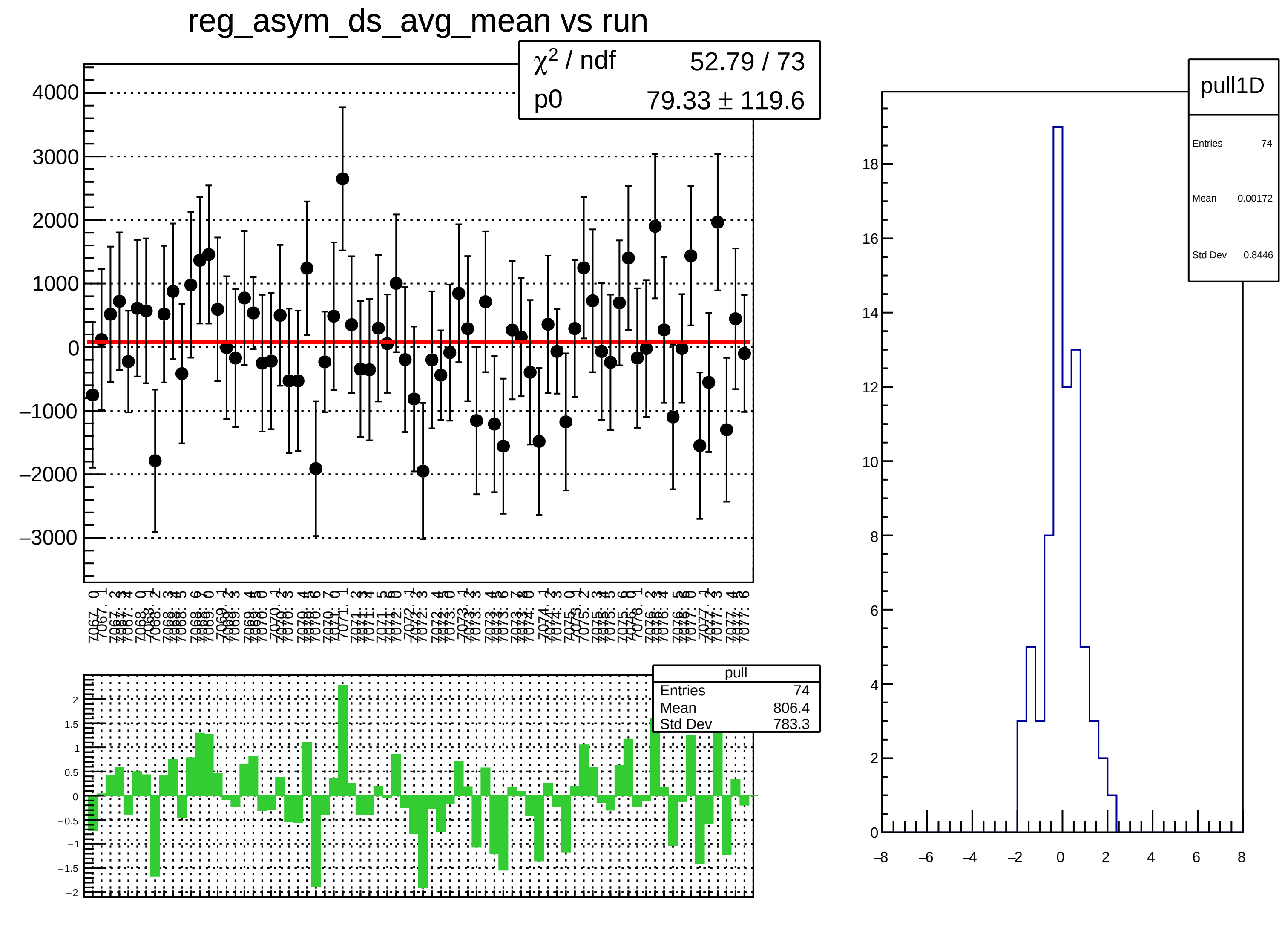

asym_us_dd_correction_rms vs run
χ^2 / ndf 4033 / 73
p0 484.3 ± 0.3914
540
520
500
480
460
440

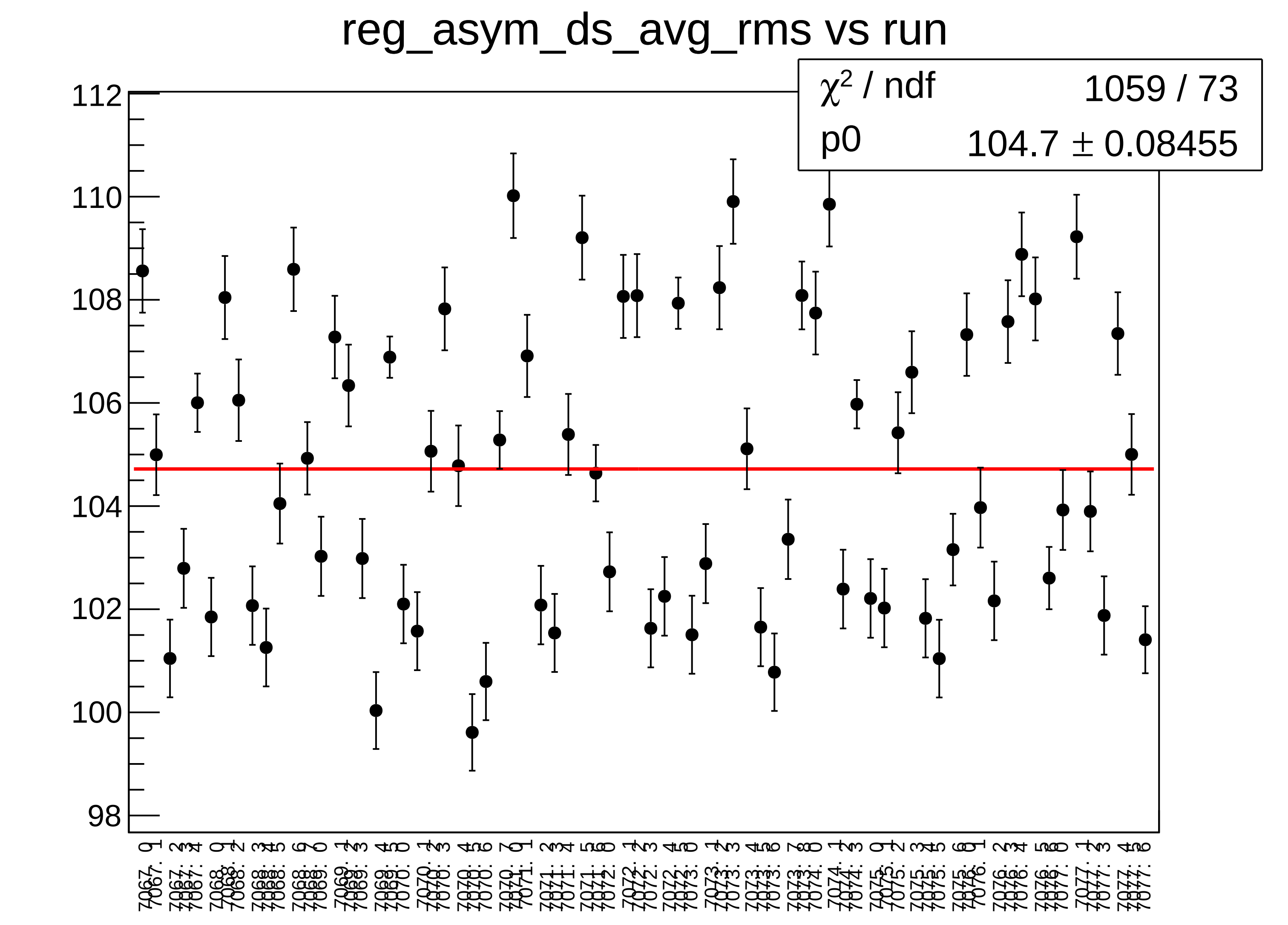


asym_us_dd_mean vs run
χ2 / ndf 101.7 / 73
p0 34.1 ± 1051
pull
Entries 74
Mean −1085
Std Dev 1130
pull1D
Entries 74
Mean 0.004302
Std Dev 1.172

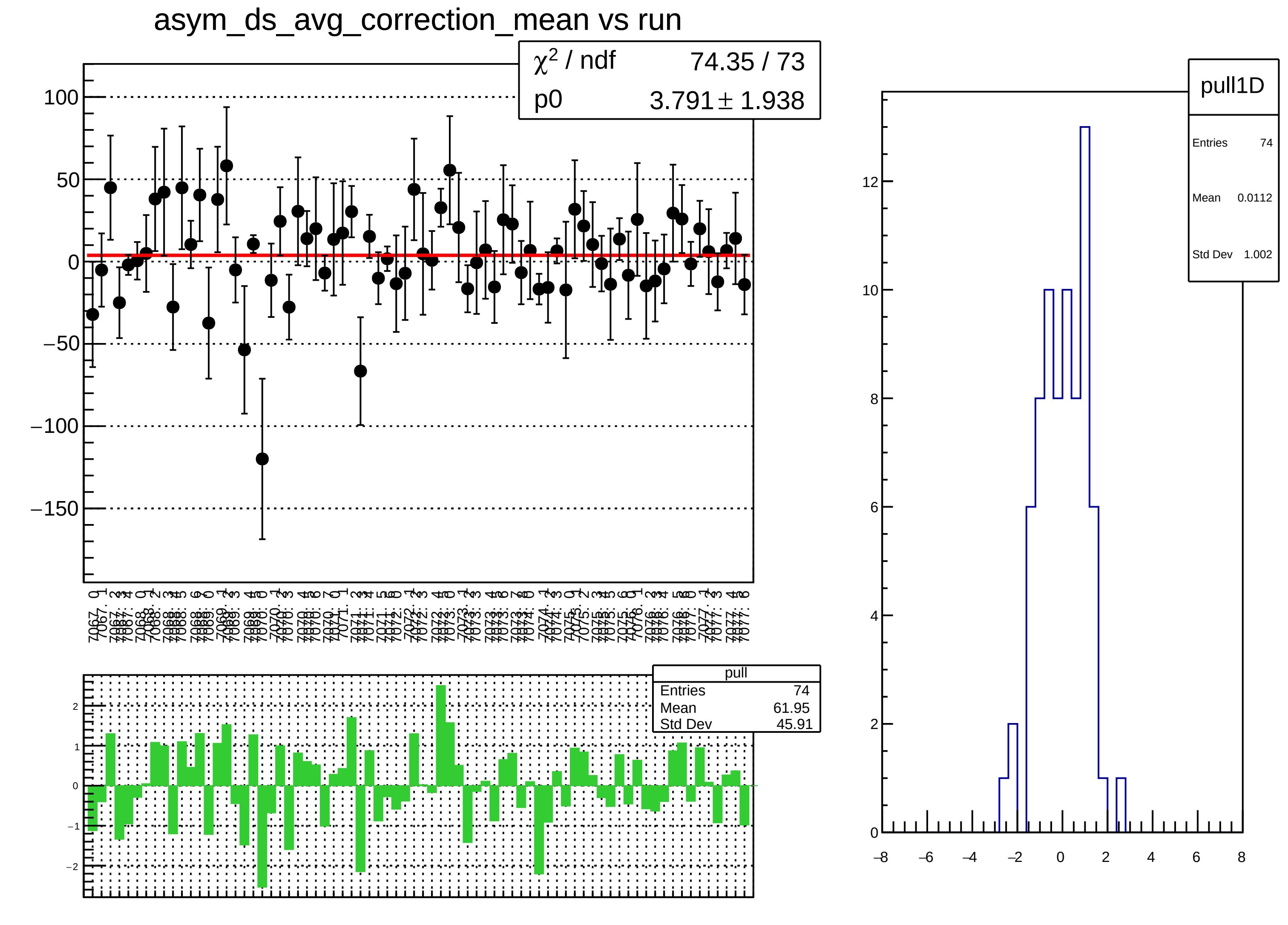


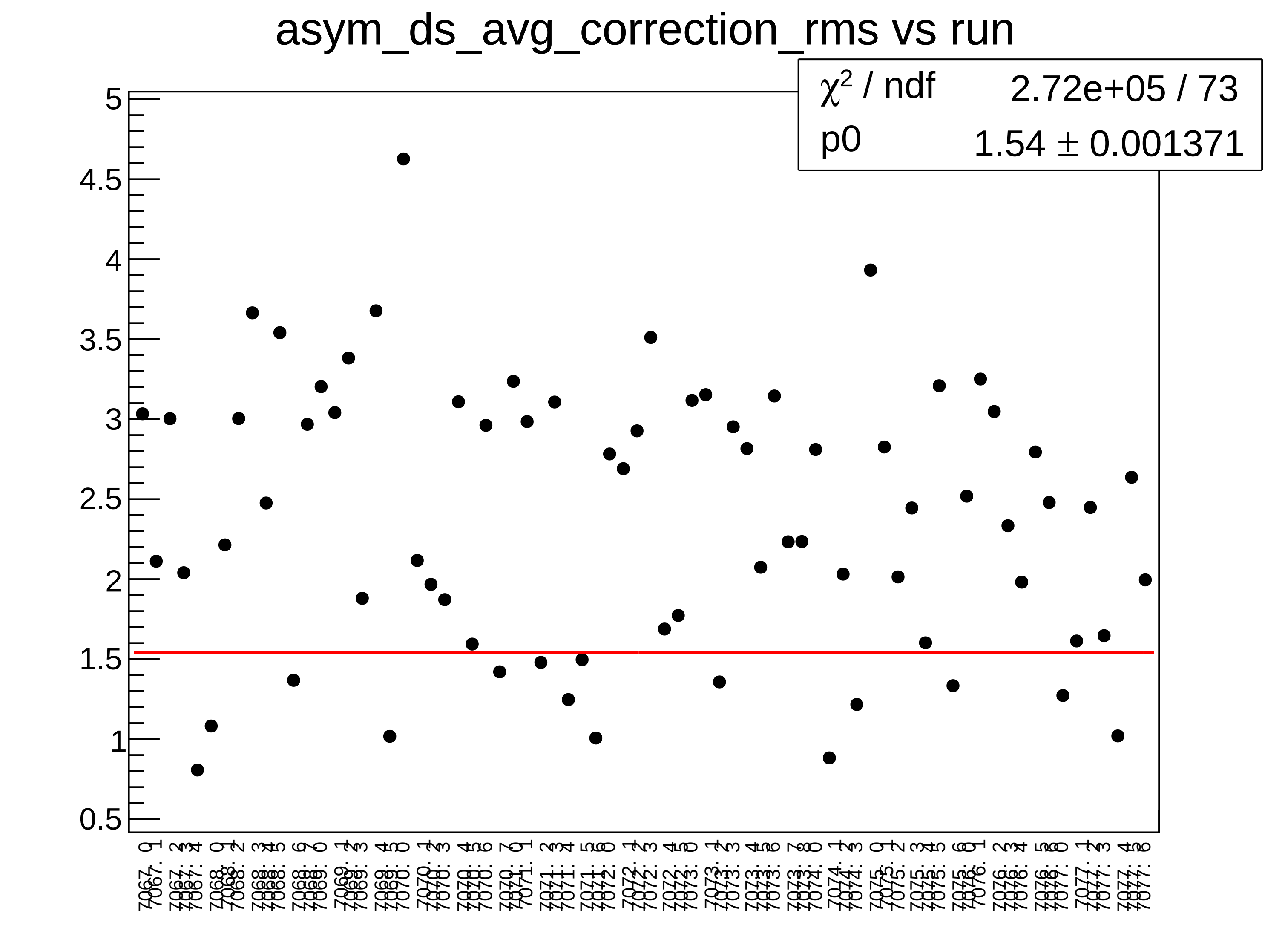
asym_us_dd_rms vs run
χ^2 / ndf 311 / 73
p0 920.6 ± 0.7431
960
950
940
930
920
910
900
890
880


reg_asym_ds_avg_mean vs run
χ^2 / ndf 52.79 / 73
p0 79.33 ± 119.6
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 74
Mean 806.4
Std Dev 783.3
pull1D
Entries 74
Mean −0.00172
Std Dev 0.8446



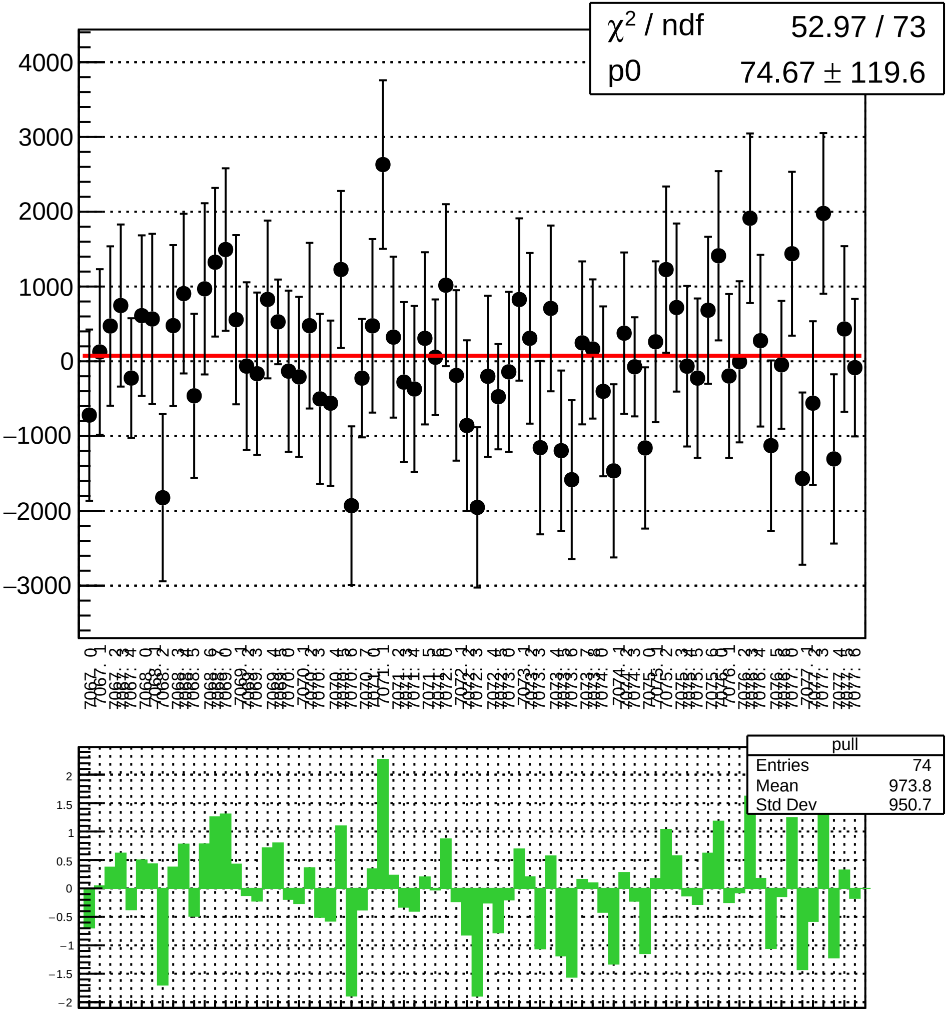
reg_asym_ds_avg_rms vs run
χ2 / ndf 1059 / 73
p0 104.7 ± 0.08455
112
110
108
106
104
102
100
98

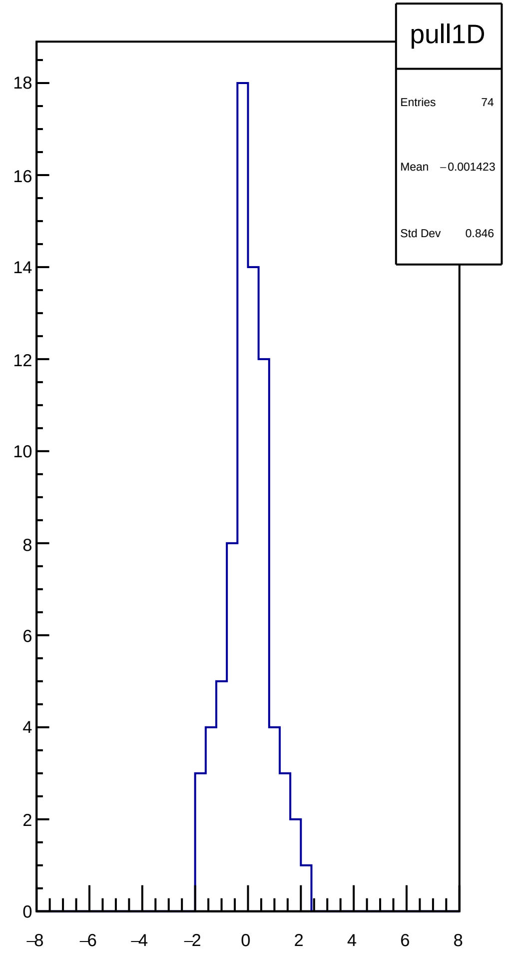

asym_ds_avg_correction_mean vs run
χ^2 / ndf 74.35 / 73
p0 3.791 ± 1.938
pull
Entries 74
Mean 61.95
Std Dev 45.91
pull1D
Entries 74
Mean 0.0112
Std Dev 1.002

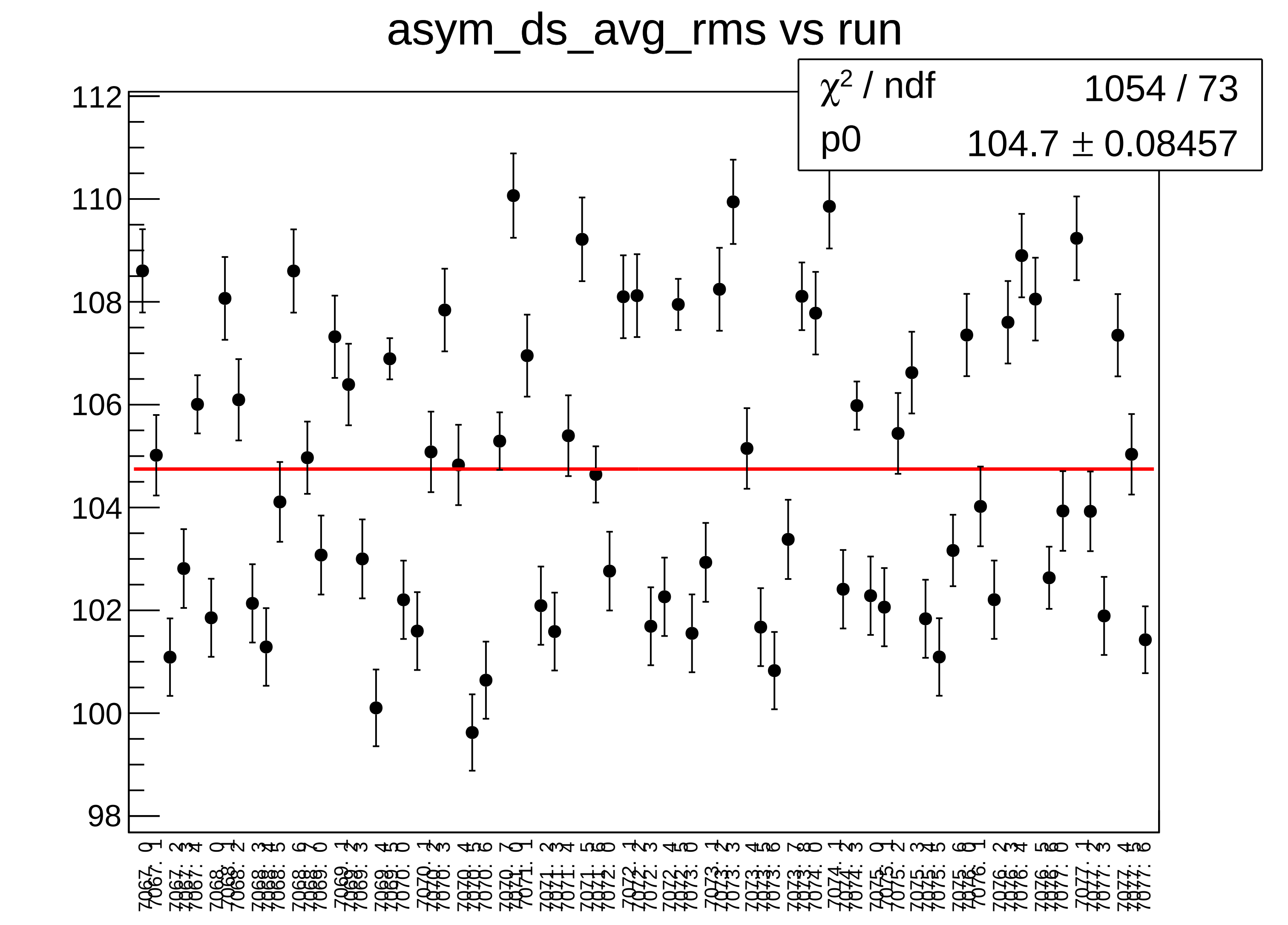


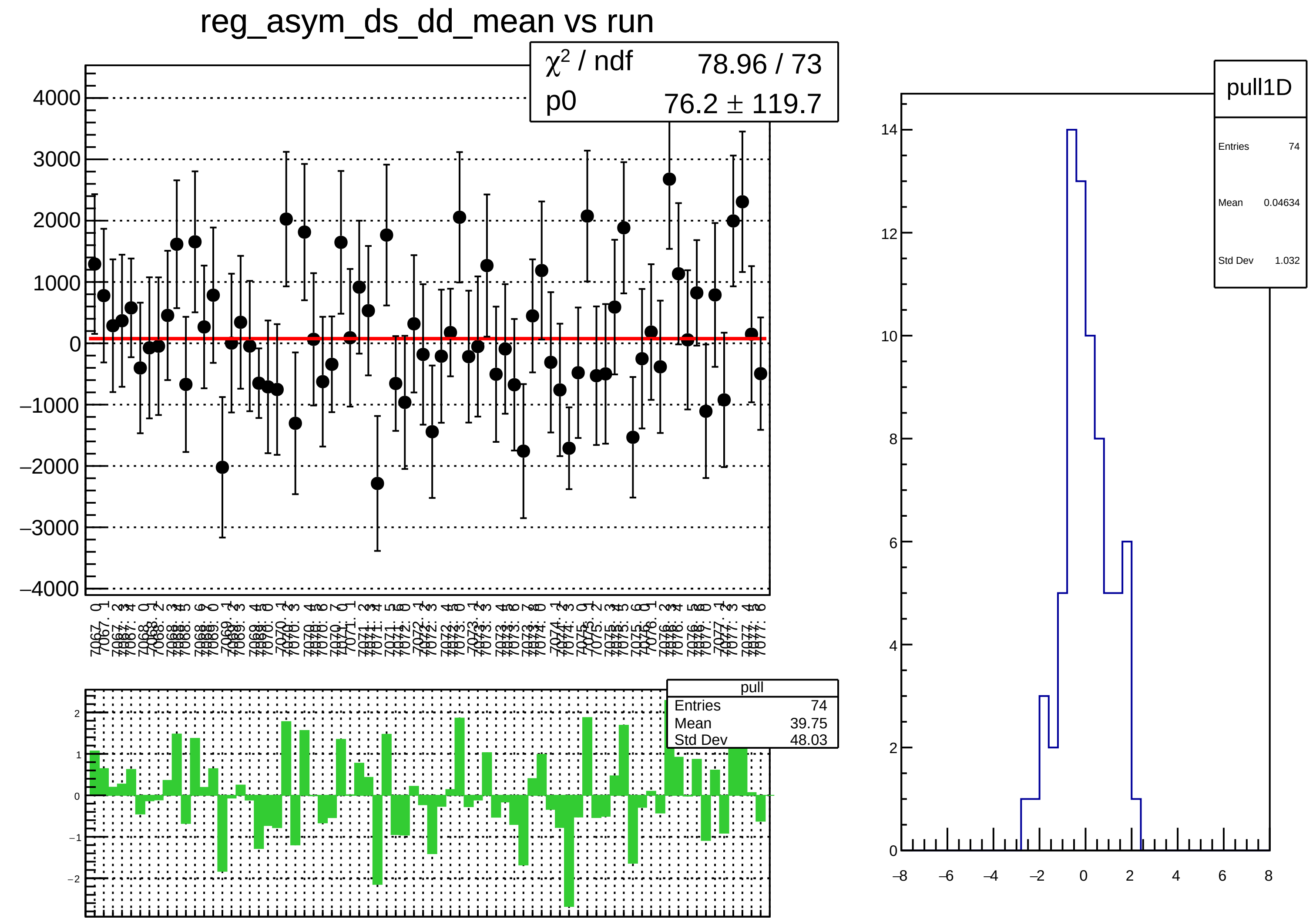
asym_ds_avg_correction_rms vs run
χ^2 / ndf 2.72e+05 / 73
p0 1.54 ± 0.001371

asym_ds_avg_mean vs run

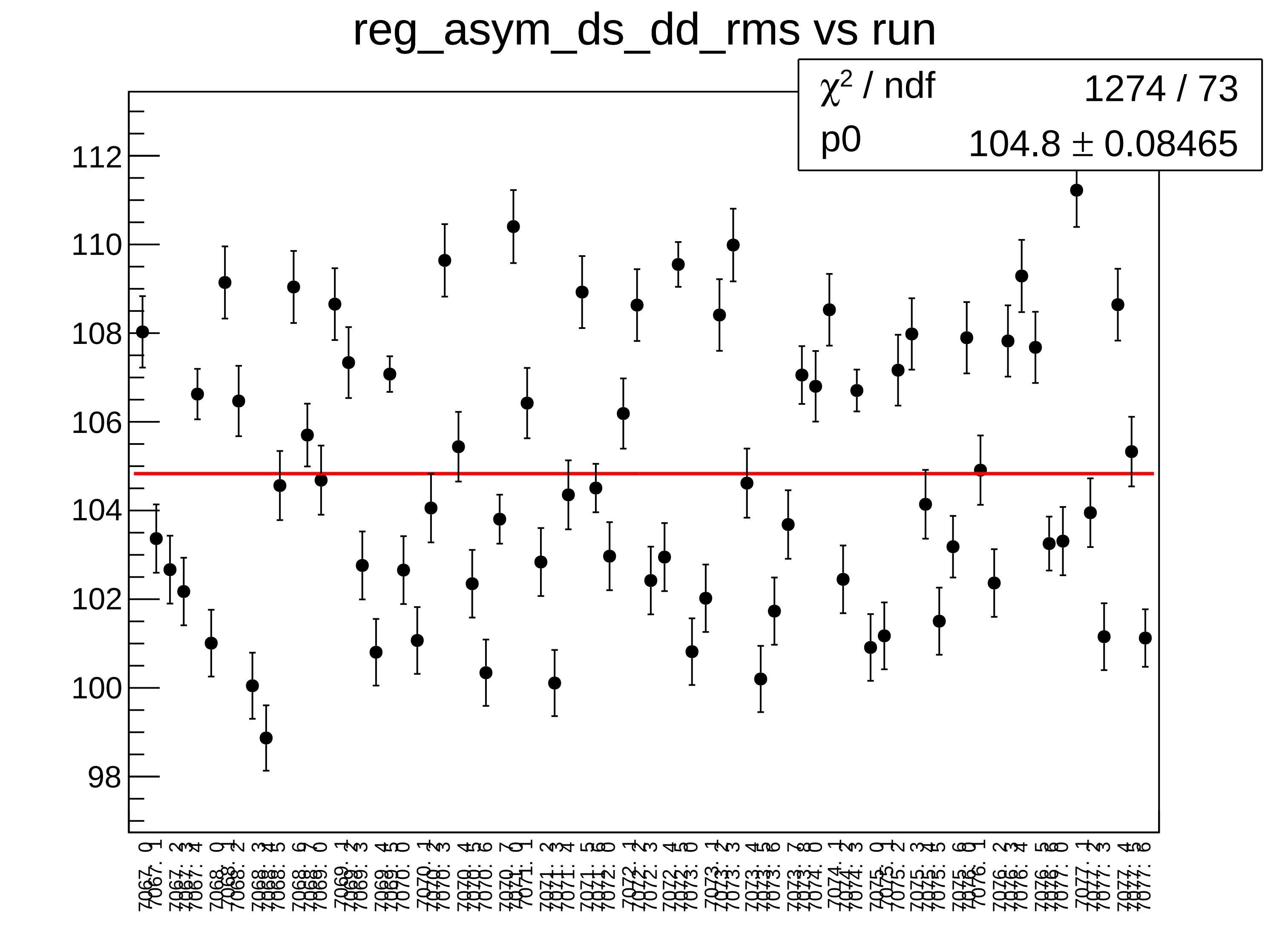




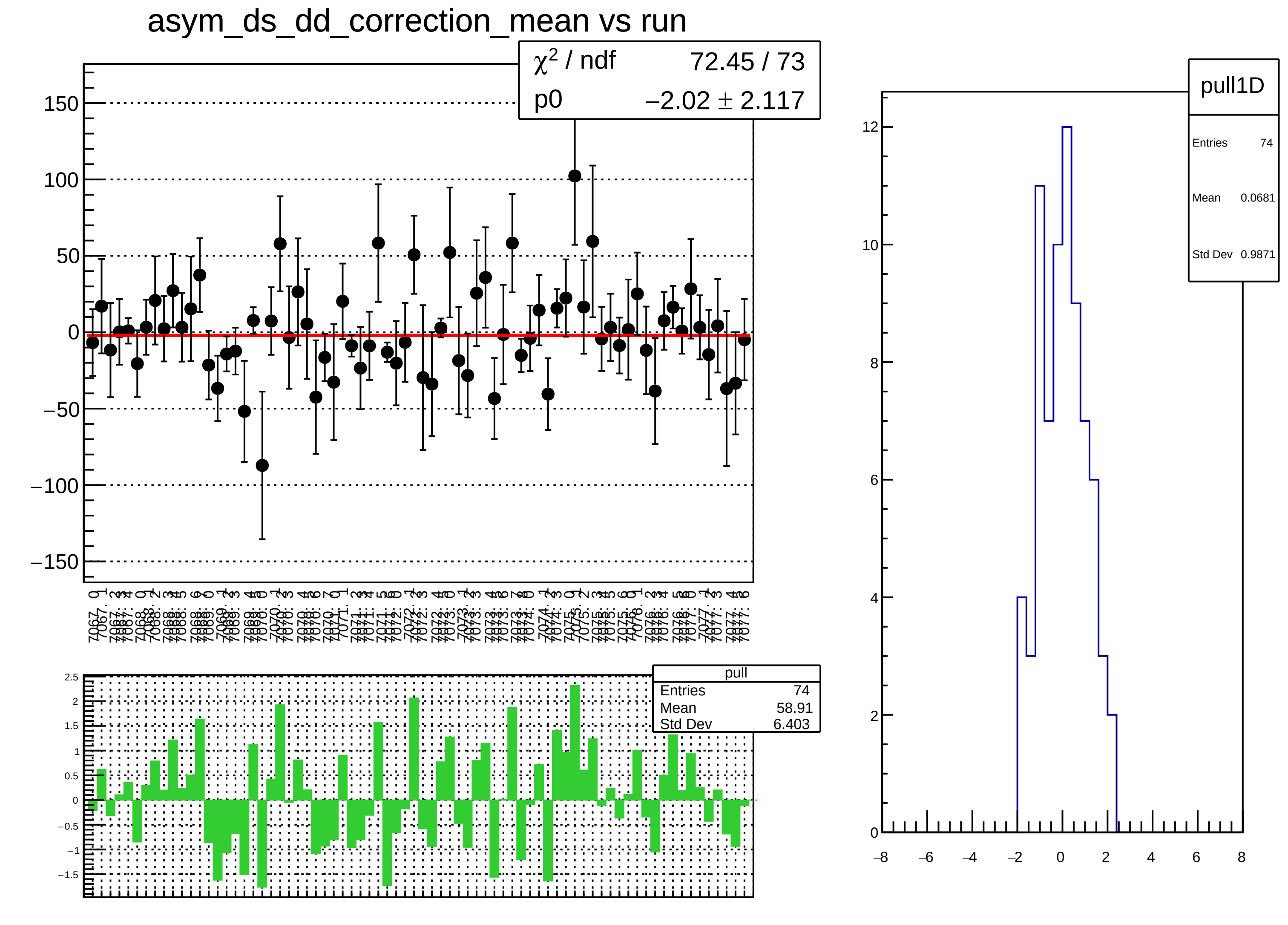

asym_ds_avg_rms vs run
χ2 / ndf 1054 / 73
p0 104.7 ± 0.08457
112
110
108
106
104
102
100
98

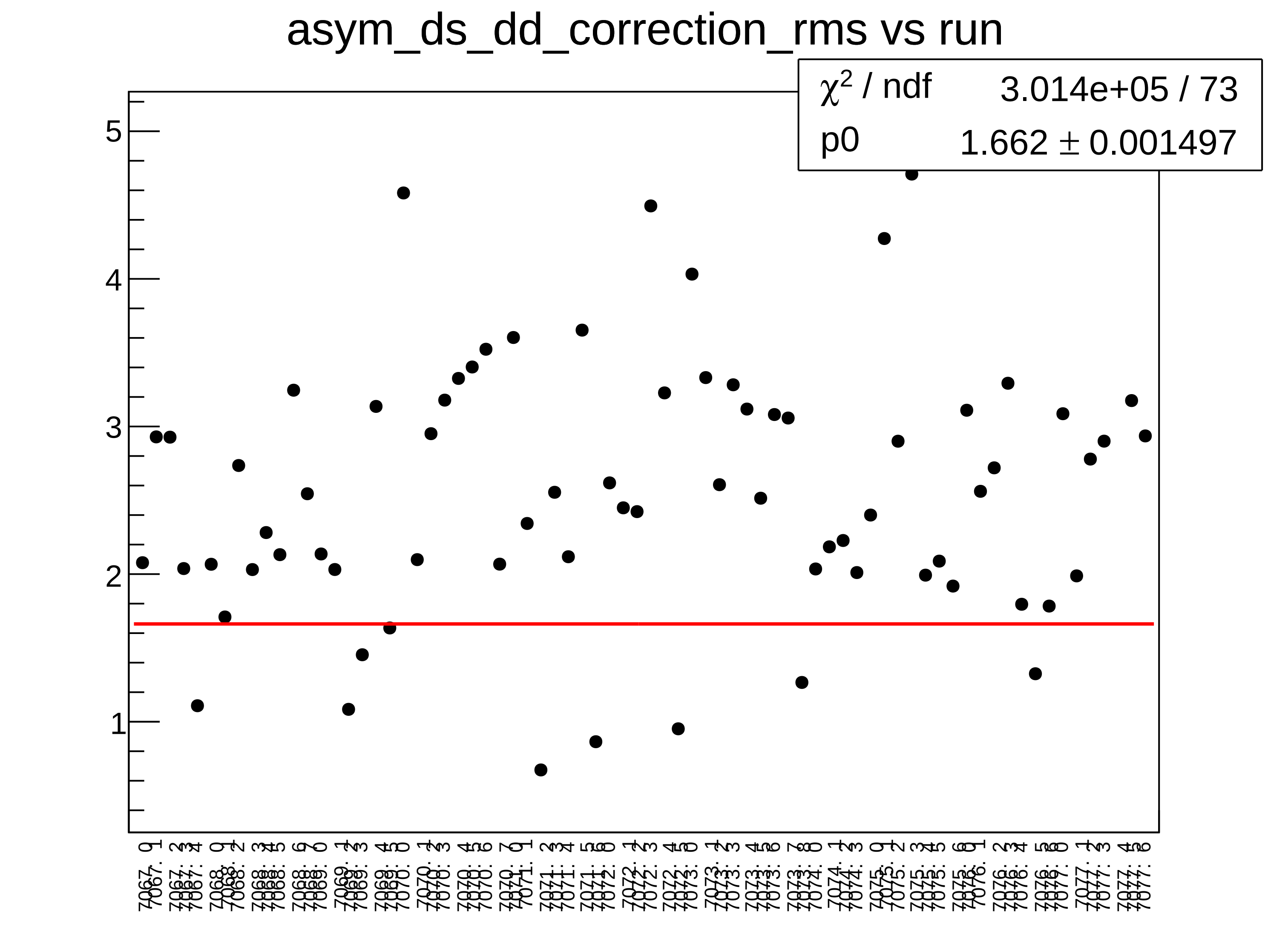


reg_asym_ds_dd_mean vs run
χ2 / ndf 78.96 / 73
p0 76.2 ± 119.7
pull
Entries 74
Mean 39.75
Std Dev 48.03
pull1D
Entries 74
Mean 0.04634
Std Dev 1.032

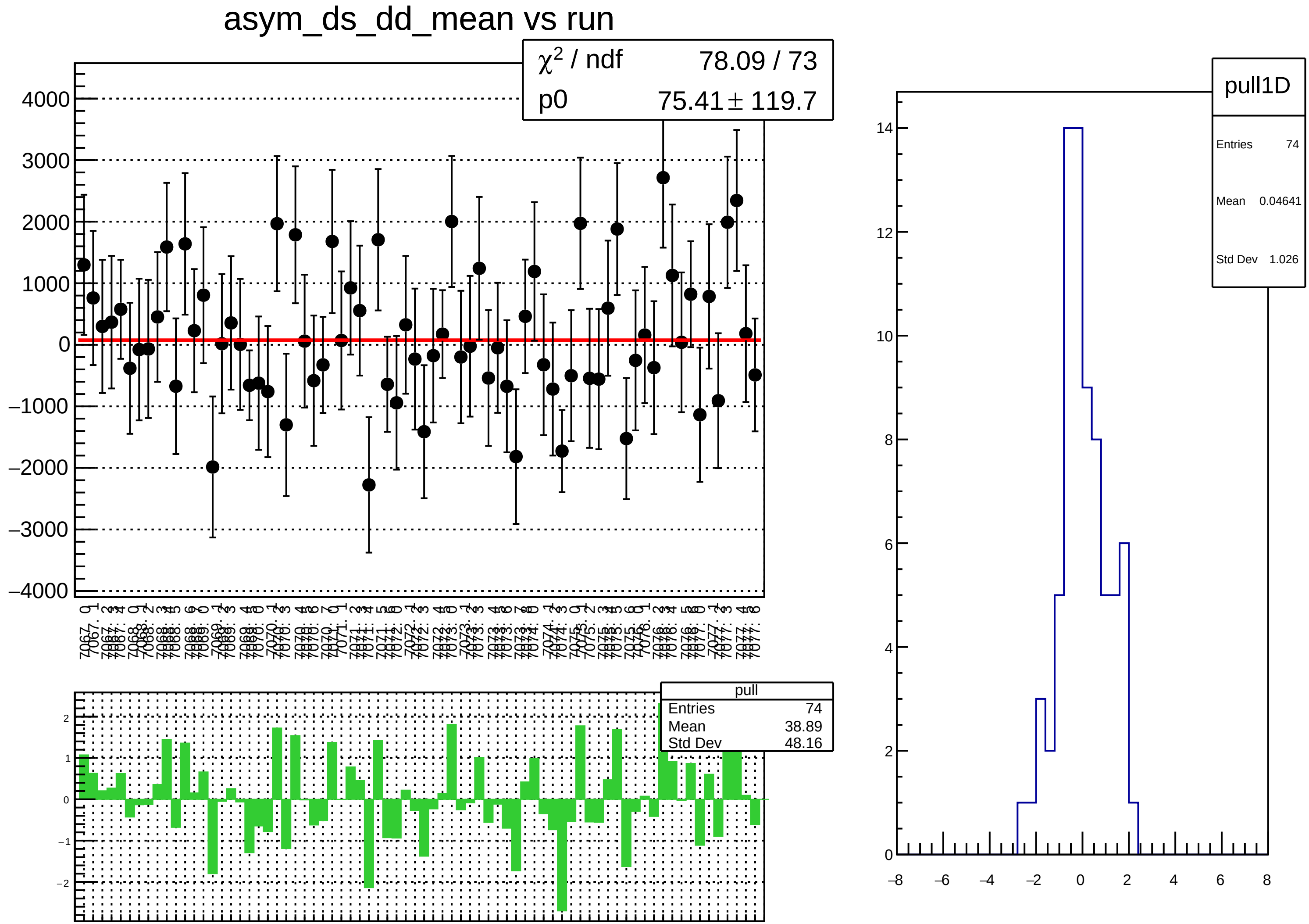


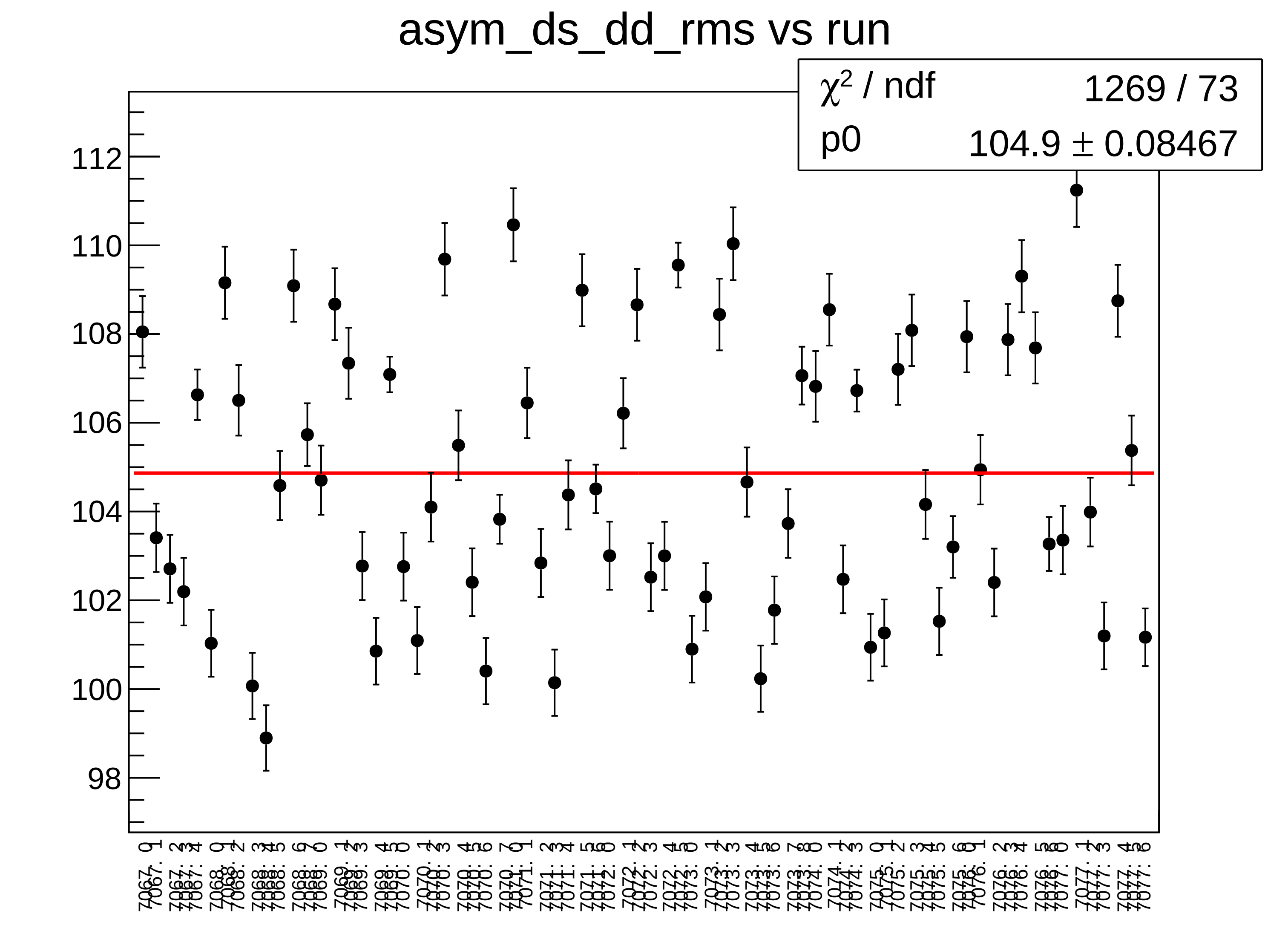
reg_asym_ds_dd_rms vs run
χ2 / ndf 1274 / 73
p0 104.8 ± 0.08465
112
110
108
106
104
102
100
98

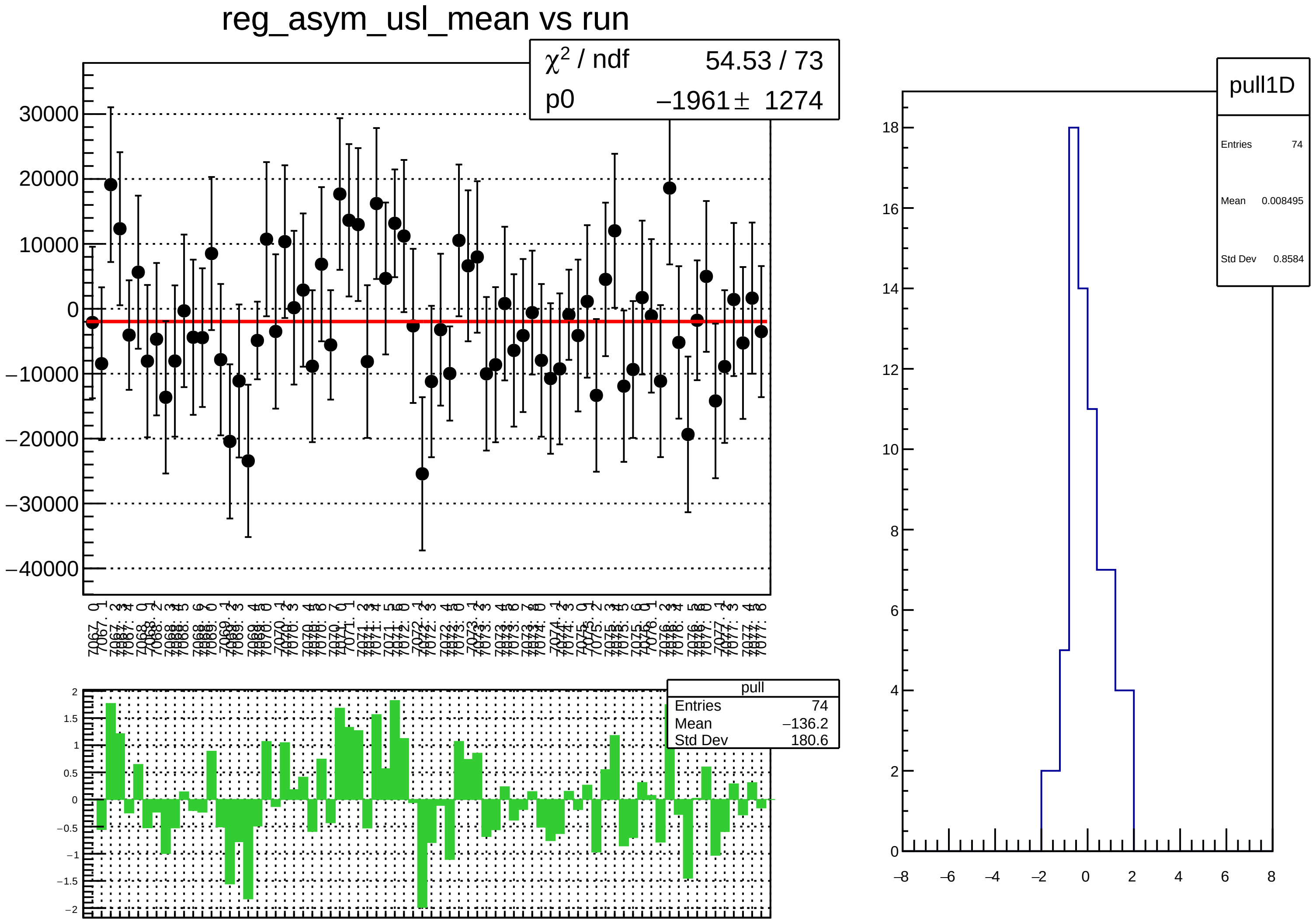

asym_ds_dd_correction_mean vs run
χ^2 / ndf 72.45 / 73
p0 −2.02 ± 2.117
pull
Entries 74
Mean 58.91
Std Dev 6.403
pull1D
Entries 74
Mean 0.0681
Std Dev 0.9871



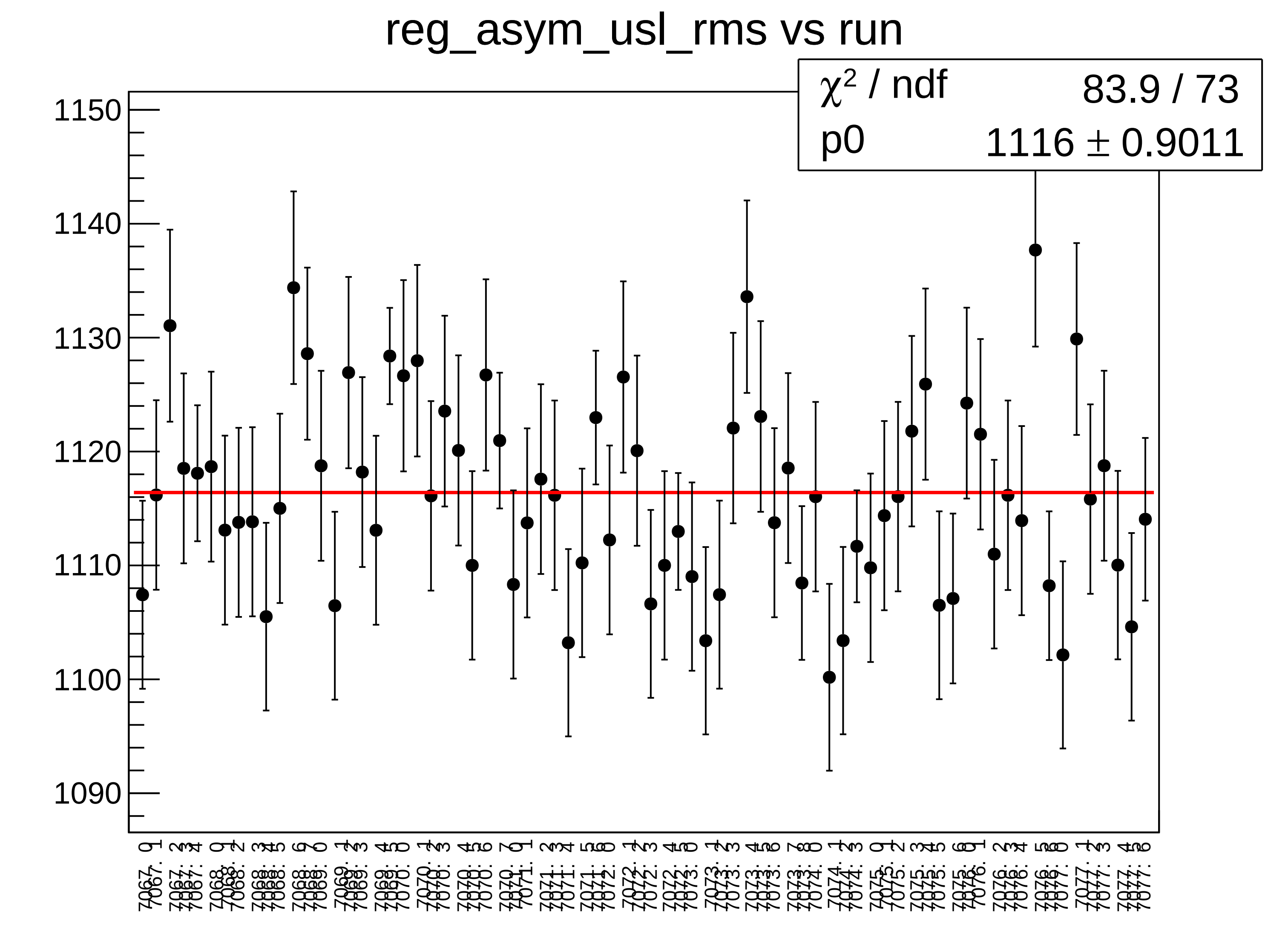
asym_ds_dd_correction_rms vs run
χ^2 / ndf 3.014e+05 / 73
p0 1.662 ± 0.001497
5
4
3
2
1

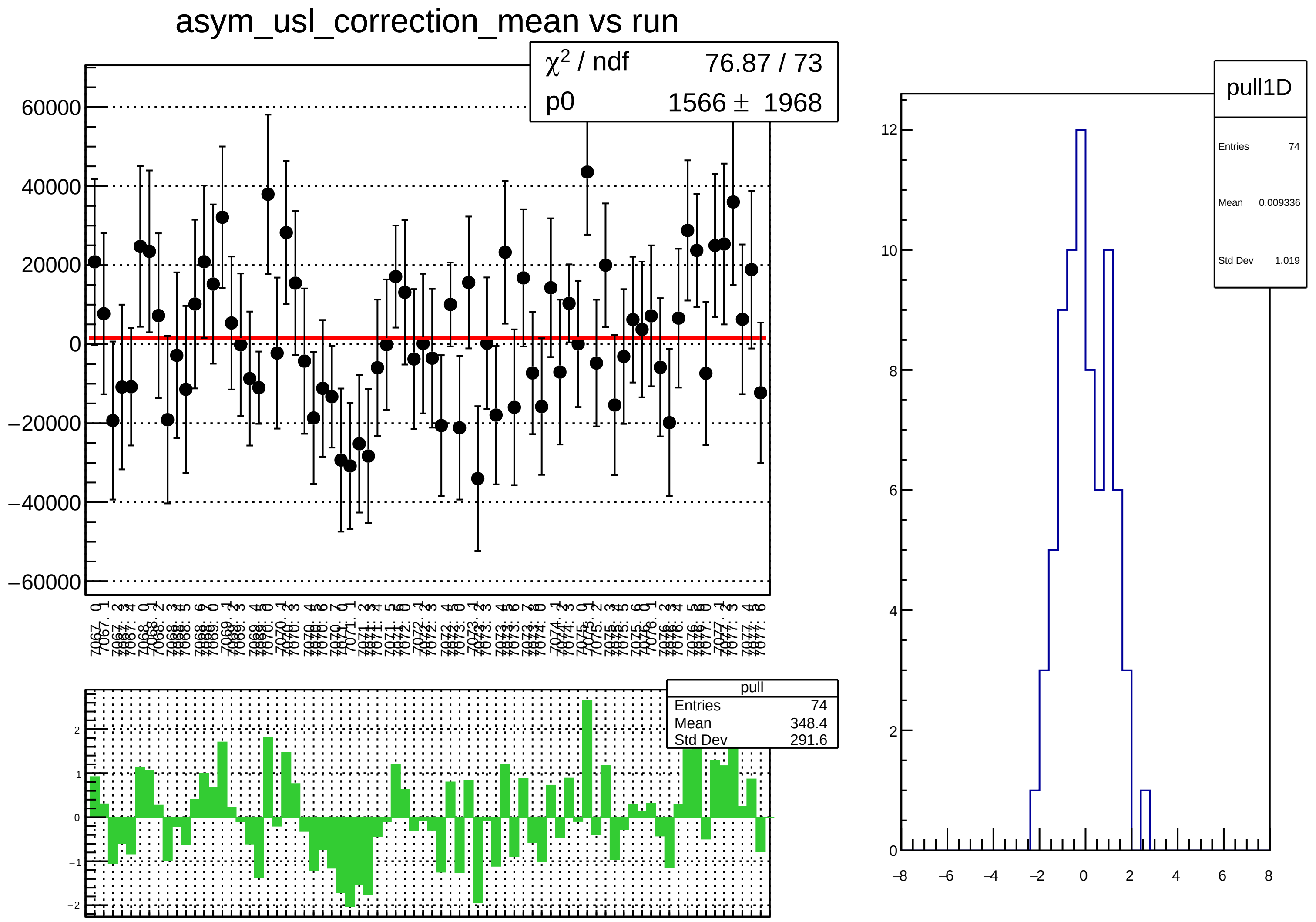

asym_ds_dd_mean vs run
χ^2 / ndf 78.09 / 73
p0 75.41 ± 119.7
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 74
Mean 38.89
Std Dev 48.16
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.04641
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_dd_rms vs run
χ^2 / ndf 1269 / 73
p0 104.9 ± 0.08467
112
110
108
106
104
102
100
98

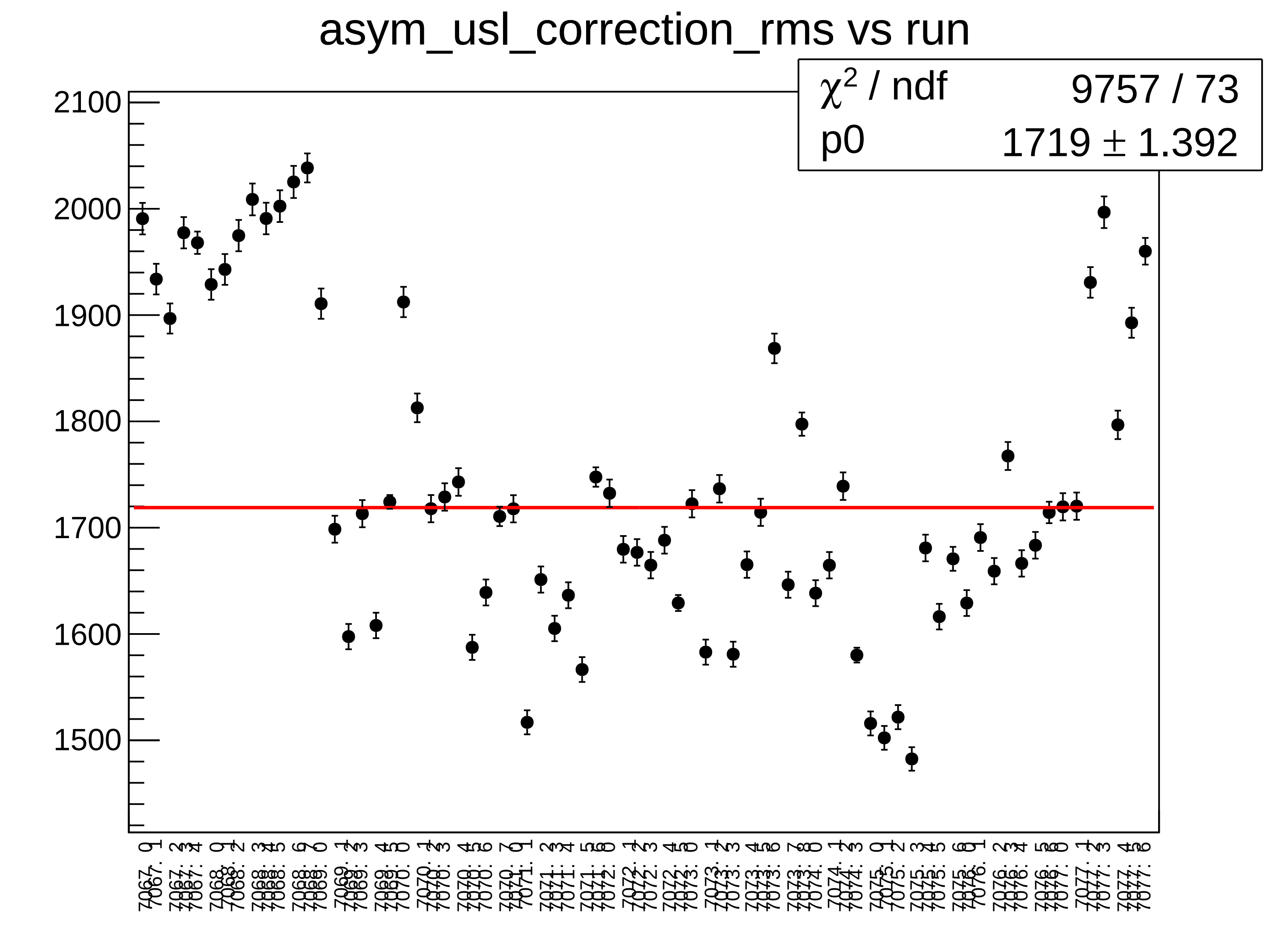


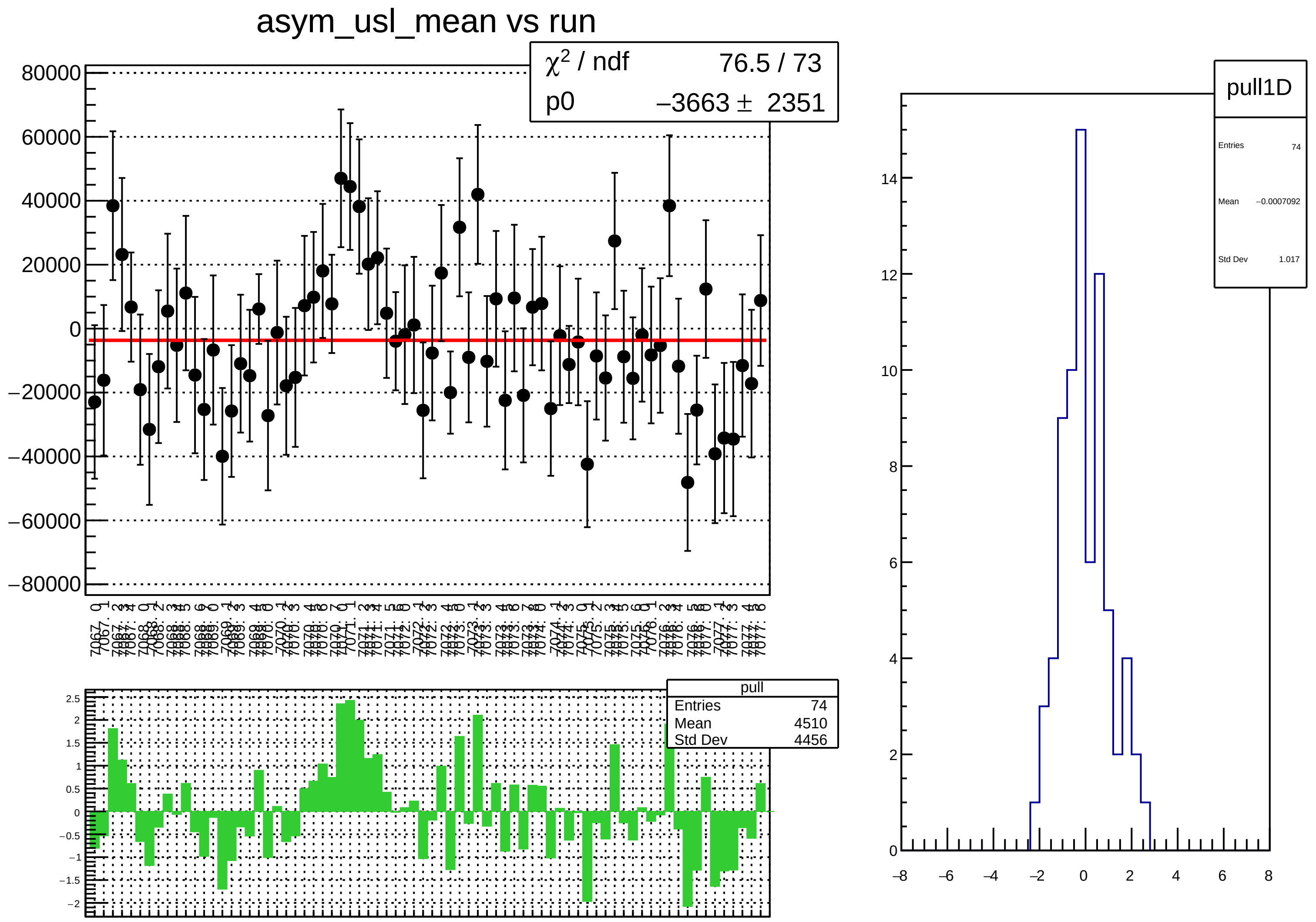
reg_asym_usl_mean vs run
χ2 / ndf 54.53 / 73
p0 −1961 ± 1274
pull
Entries 74
Mean −136.2
Std Dev 180.6
pull1D
Entries 74
Mean 0.008495
Std Dev 0.8584


reg_asym_usl_rms vs run
χ2 / ndf 83.9 / 73
p0 1116 ± 0.9011
1150
1140
1130
1120
1110
1100
1090

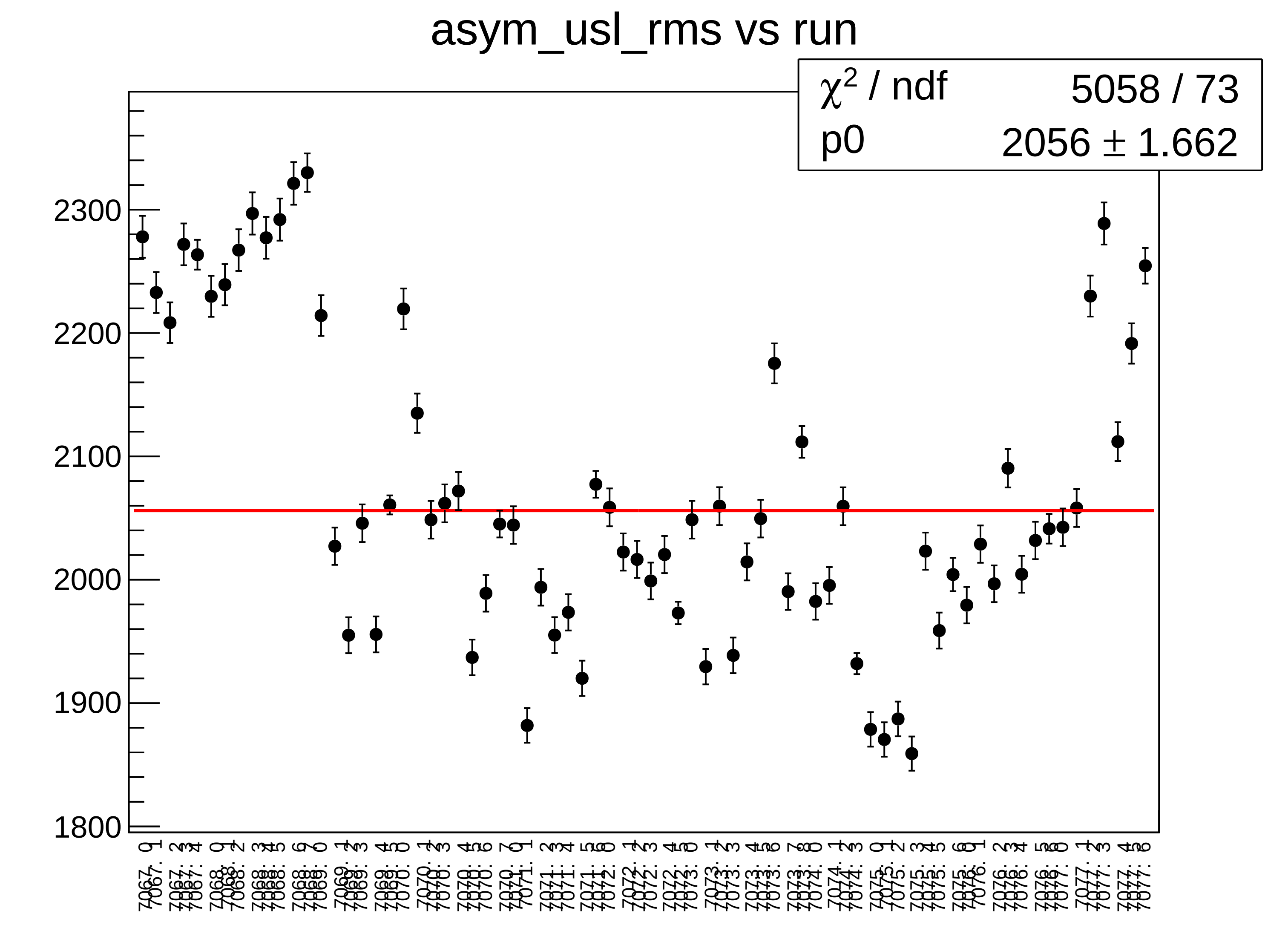


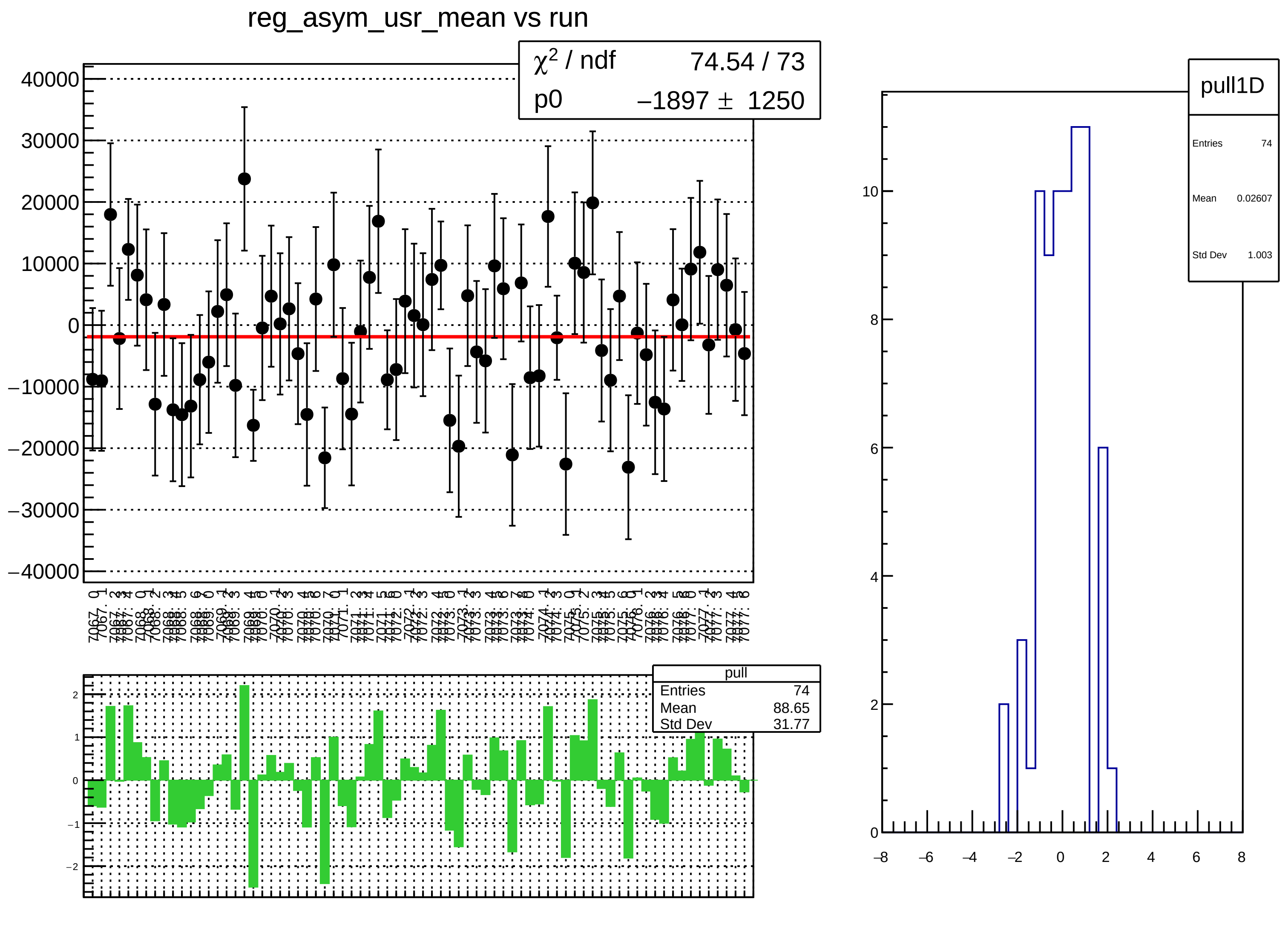
asym_usl_correction_mean vs run
χ^2 / ndf 76.87 / 73
p0 1566 ± 1968
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 348.4
Std Dev 291.6
pull1D
Entries 74
Mean 0.009336
Std Dev 1.019


asym_usl_correction_rms vs run
χ^2 / ndf 9757 / 73
p0 1719 ± 1.392
2100
2000
1900
1800
1700
1600
1500

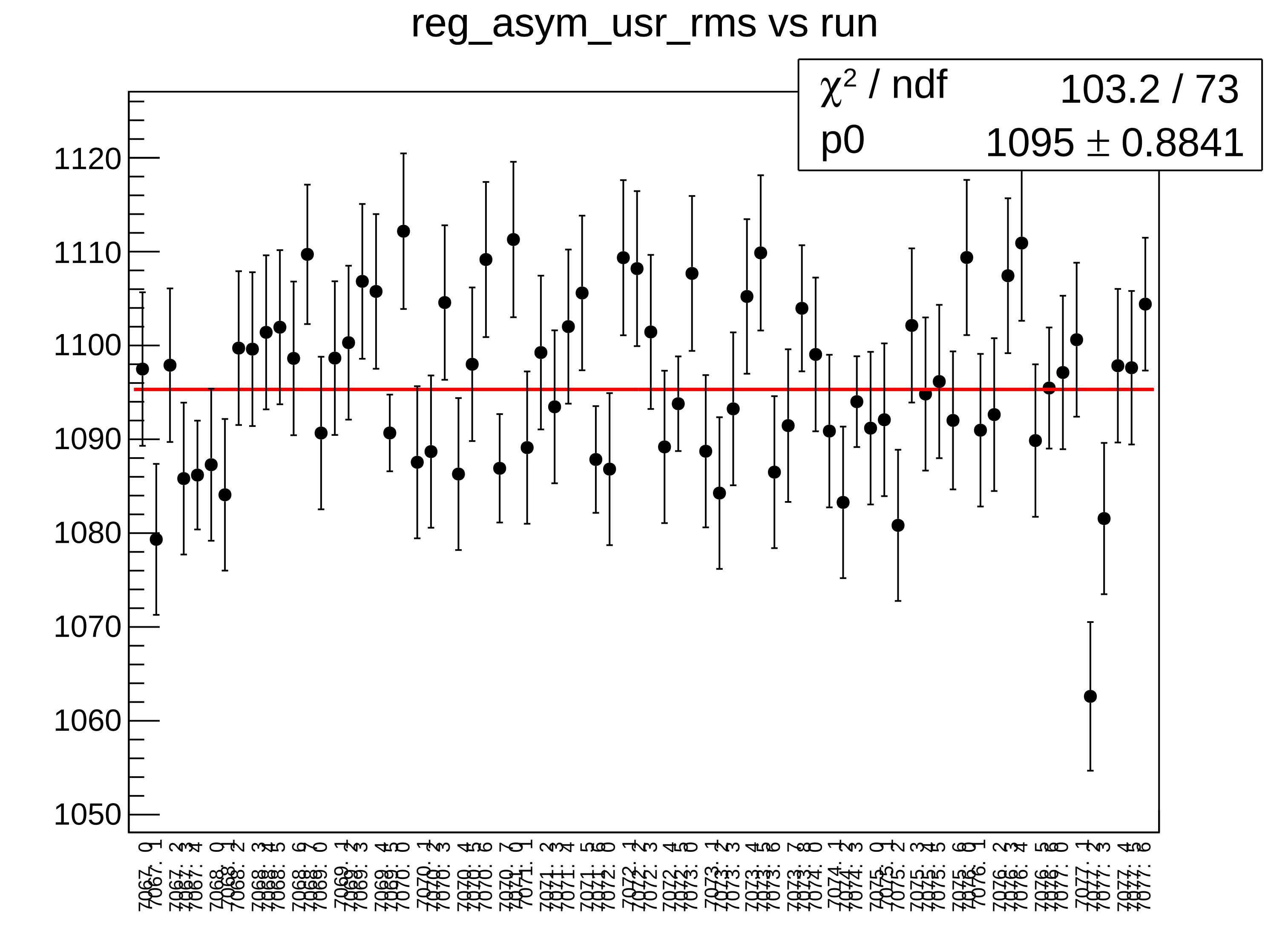


asym_usl_mean vs run
χ^2 / ndf 76.5 / 73
p0 −3663 ± 2351
pull
Entries 74
Mean 4510
Std Dev 4456
pull1D
Entries 74
Mean −0.0007092
Std Dev 1.017

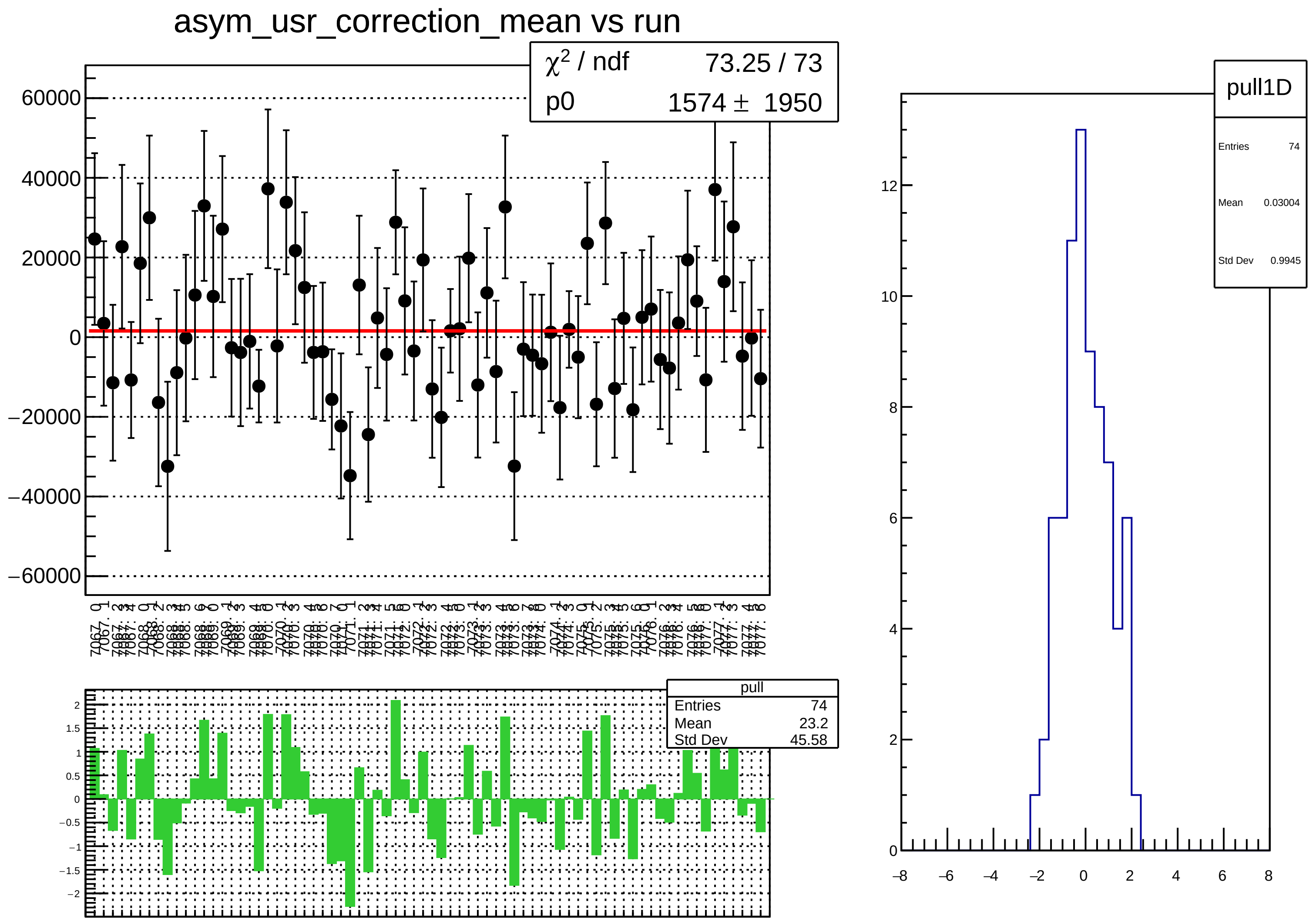

asym_usl_rms vs run
χ2 / ndf 5058 / 73
p0 2056 ± 1.662
2300
2200
2100
2000
1900
1800



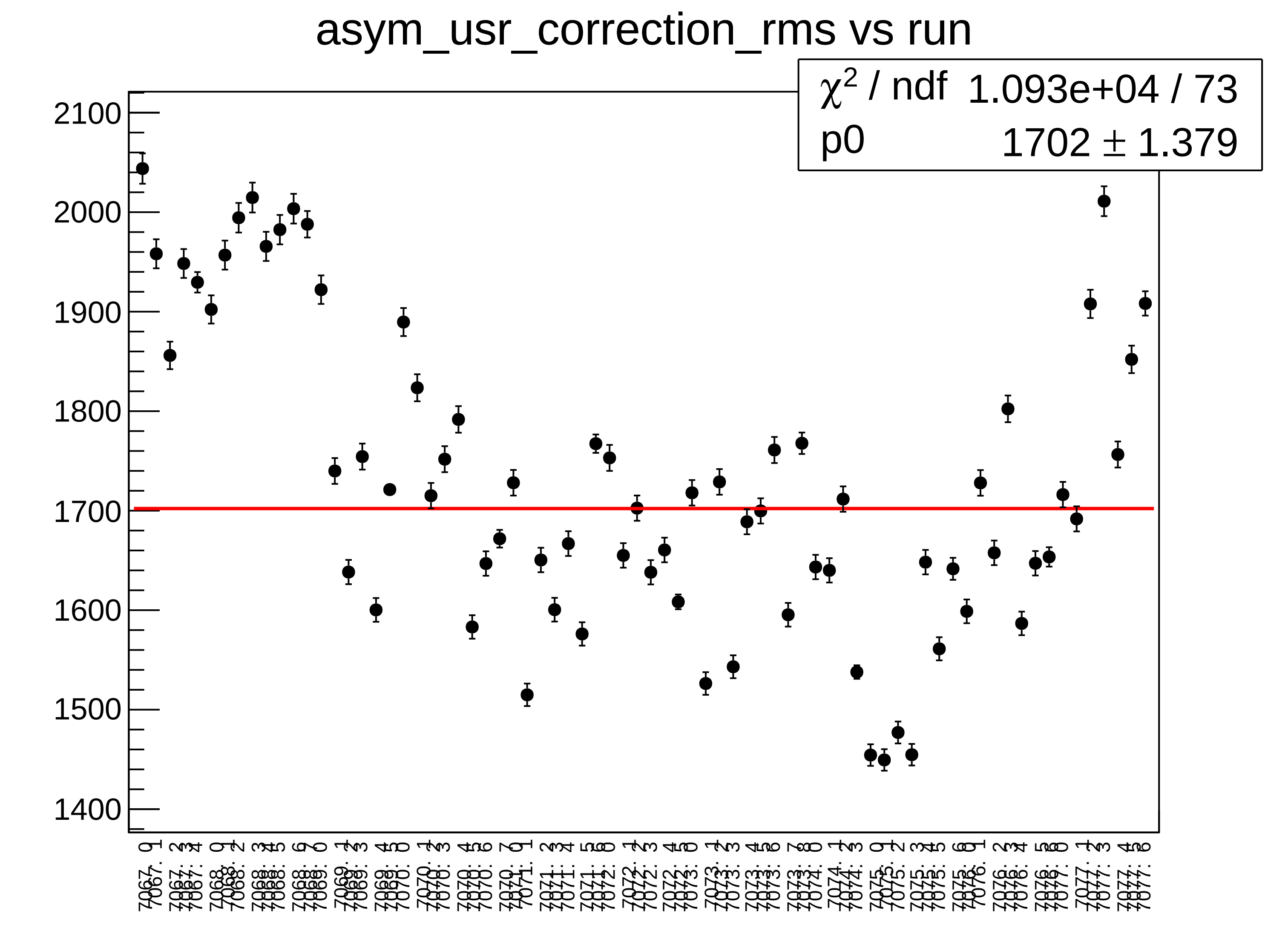
reg_asym_usr_mean vs run
χ^2 / ndf 74.54 / 73
p0 −1897 ± 1250
pull
Entries 74
Mean 88.65
Std Dev 31.77
pull1D
Entries 74
Mean 0.02607
Std Dev 1.003

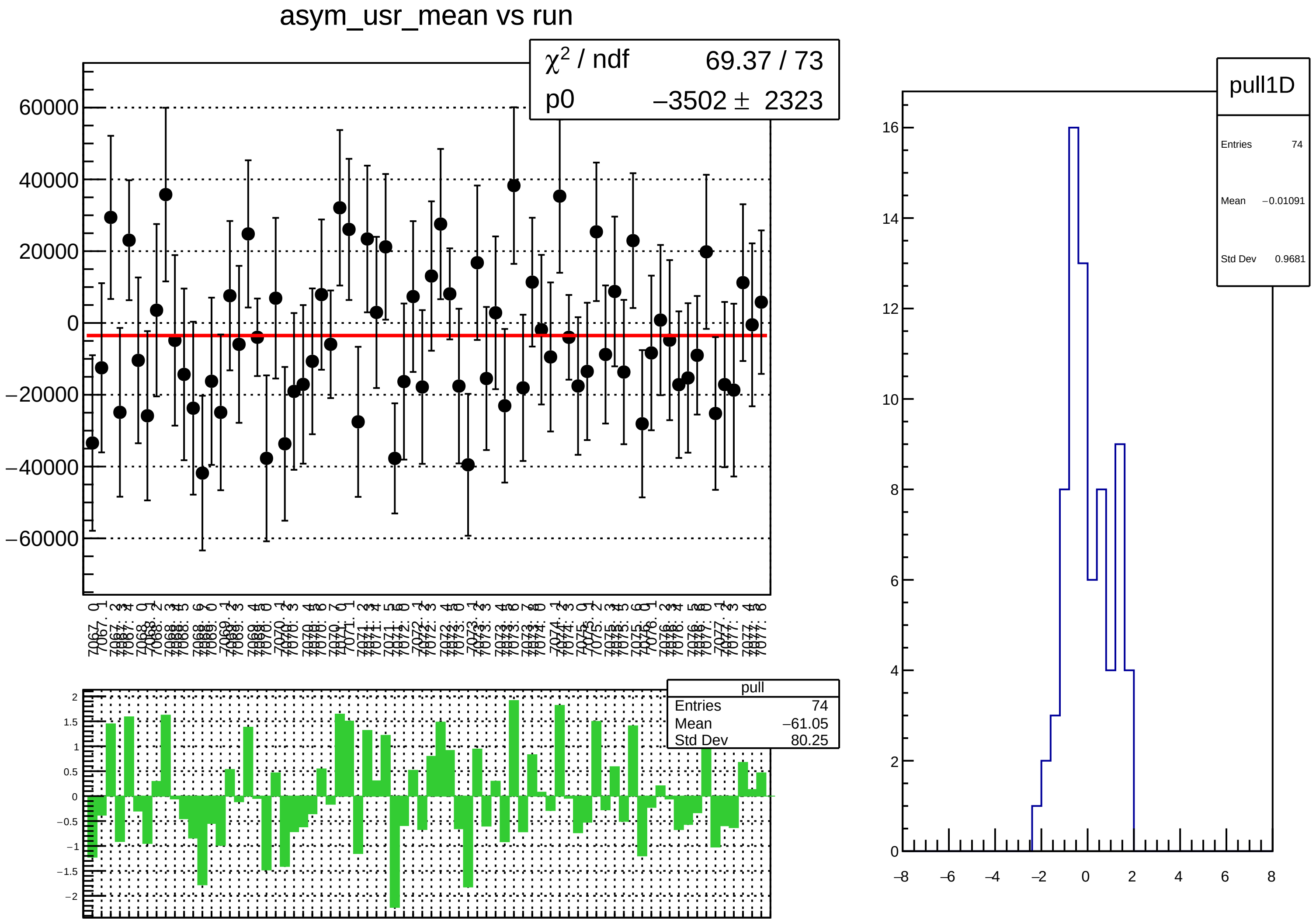


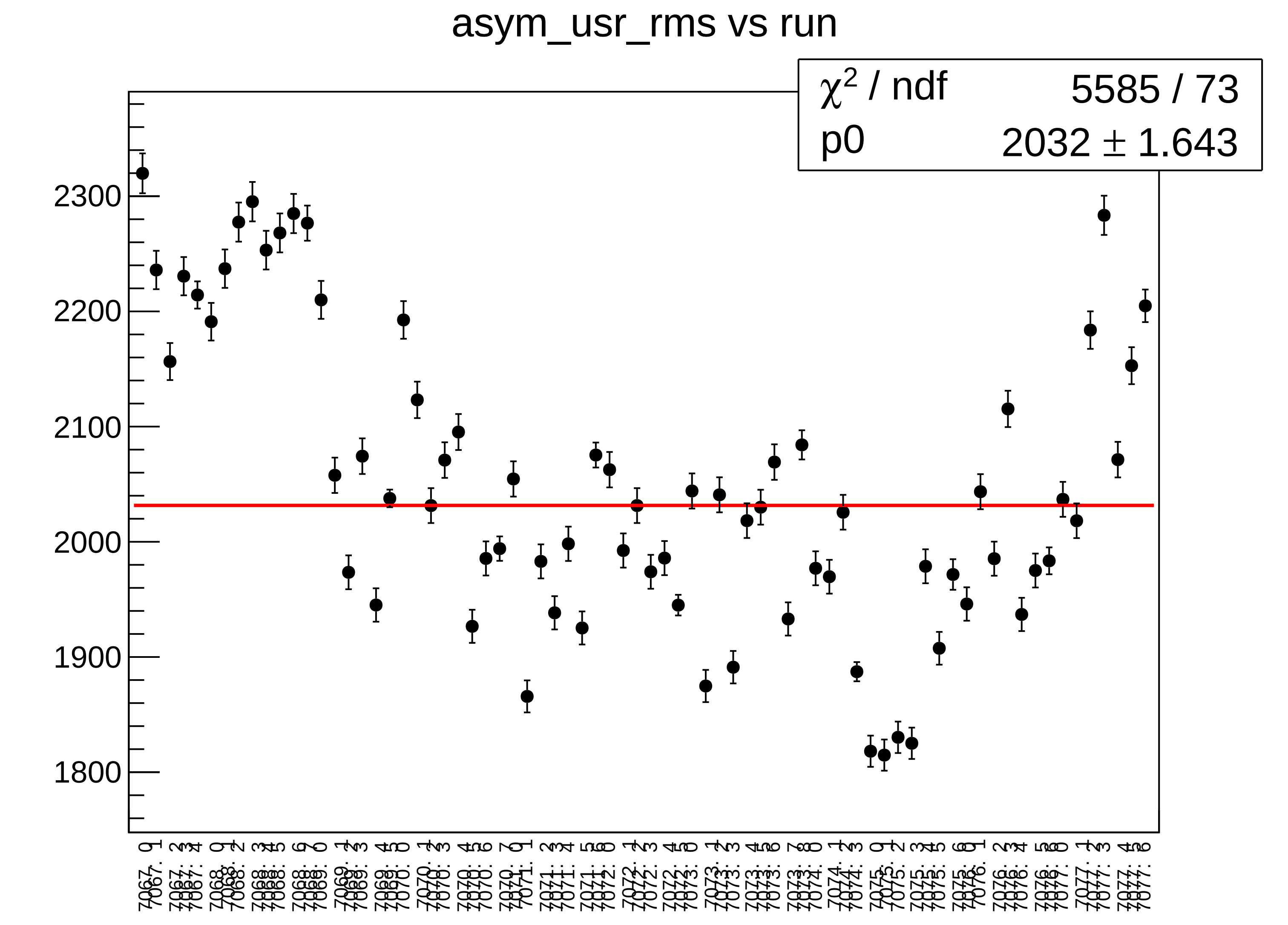
reg_asym_usr_rms vs run
χ² / ndf 103.2 / 73
p0 1095 ± 0.8841
1050
1060
1070
1080
1090
1100
1110
1120



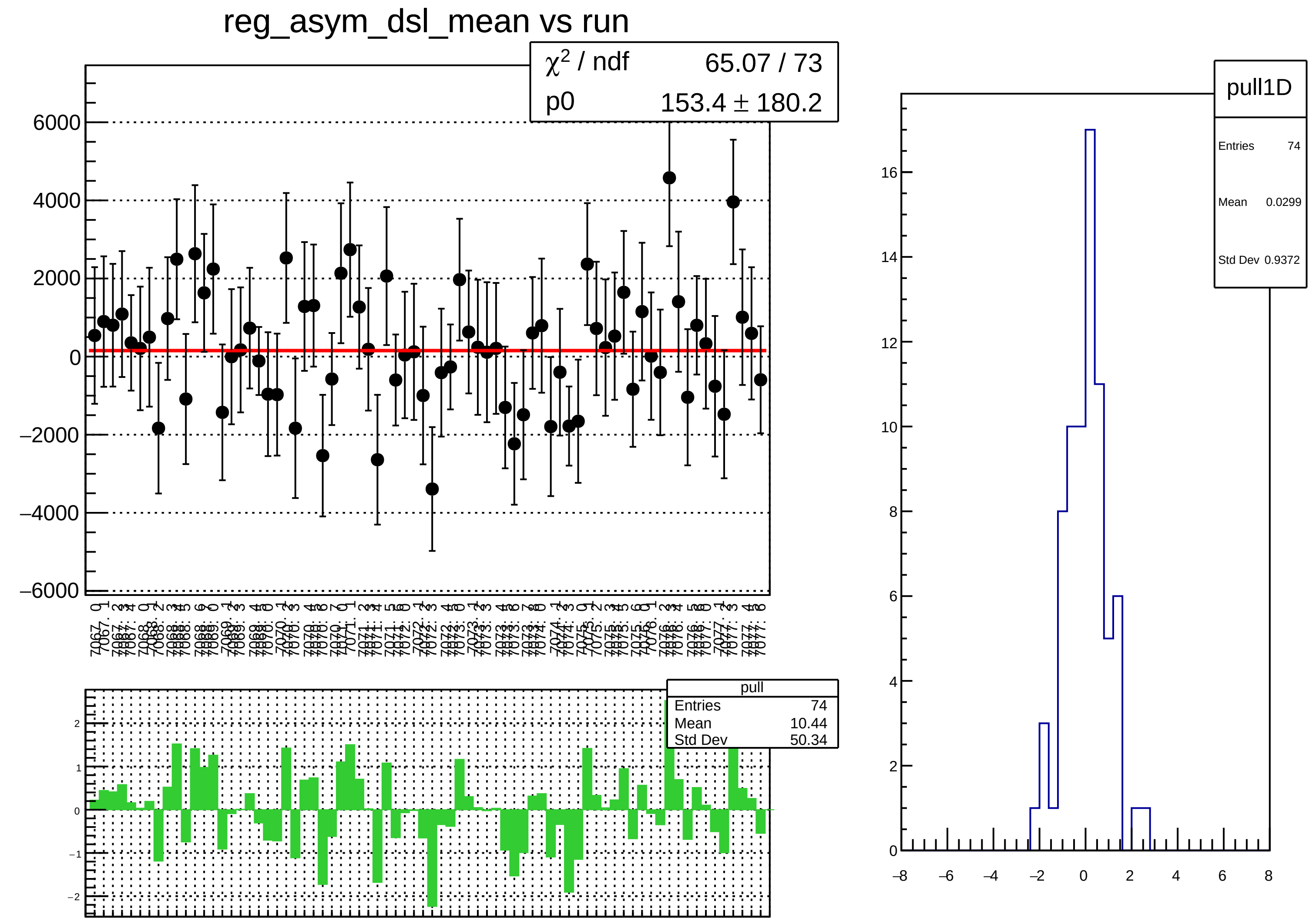
asym_usr_correction_mean vs run
χ2 / ndf 73.25 / 73
p0 1574 ± 1950
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 23.2
Std Dev 45.58
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.03004
Std Dev 0.9945
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_correction_rms vs run
χ^2 / ndf 1.093e+04 / 73
p0 1702 ± 1.379
2100
2000
1900
1800
1700
1600
1500
1400

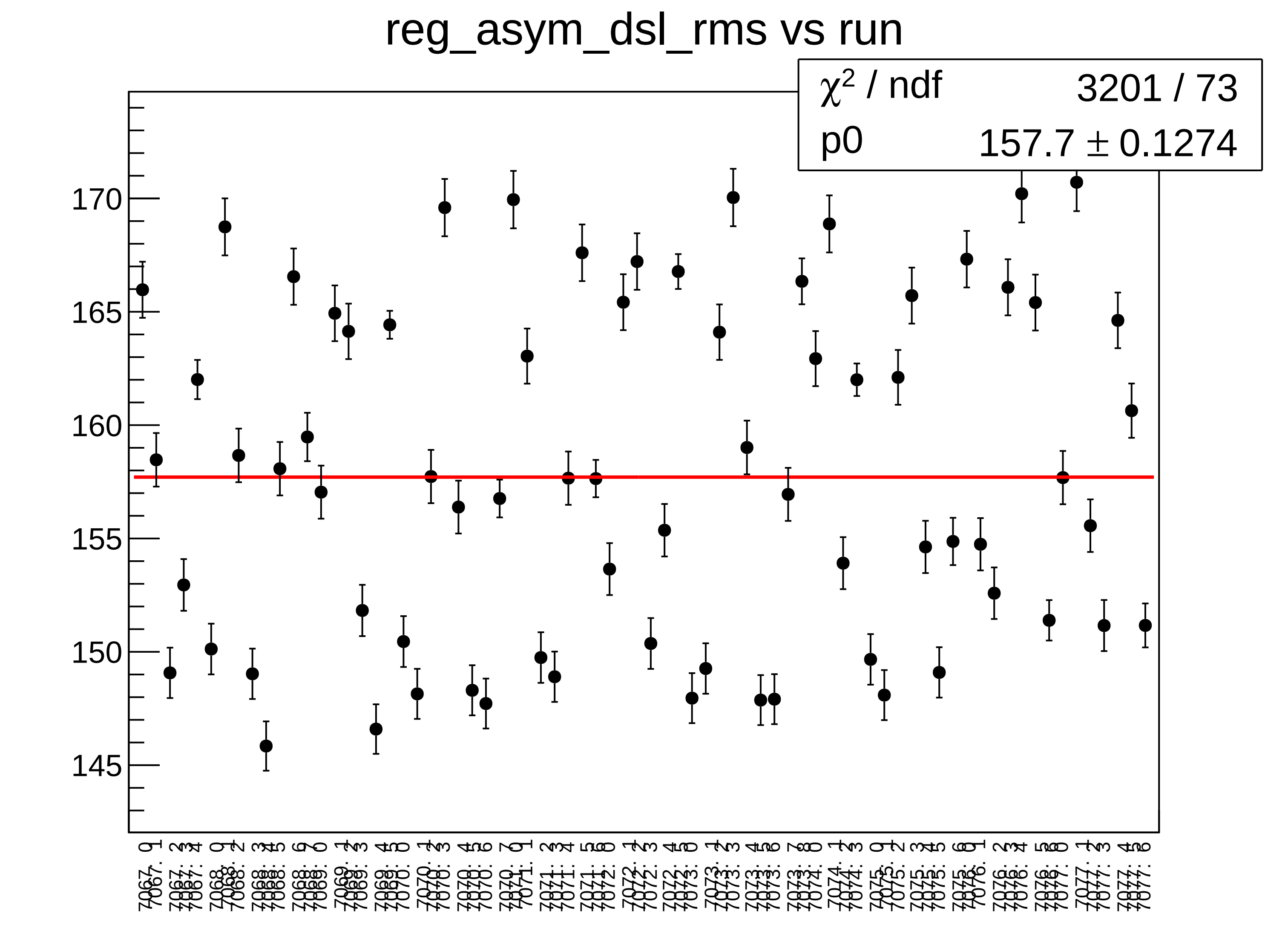

asym_usr_mean vs run
χ2 / ndf 69.37 / 73
p0 −3502 ± 2323
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean −61.05
Std Dev 80.25
pull1D
Entries 74
Mean −0.01091
Std Dev 0.9681



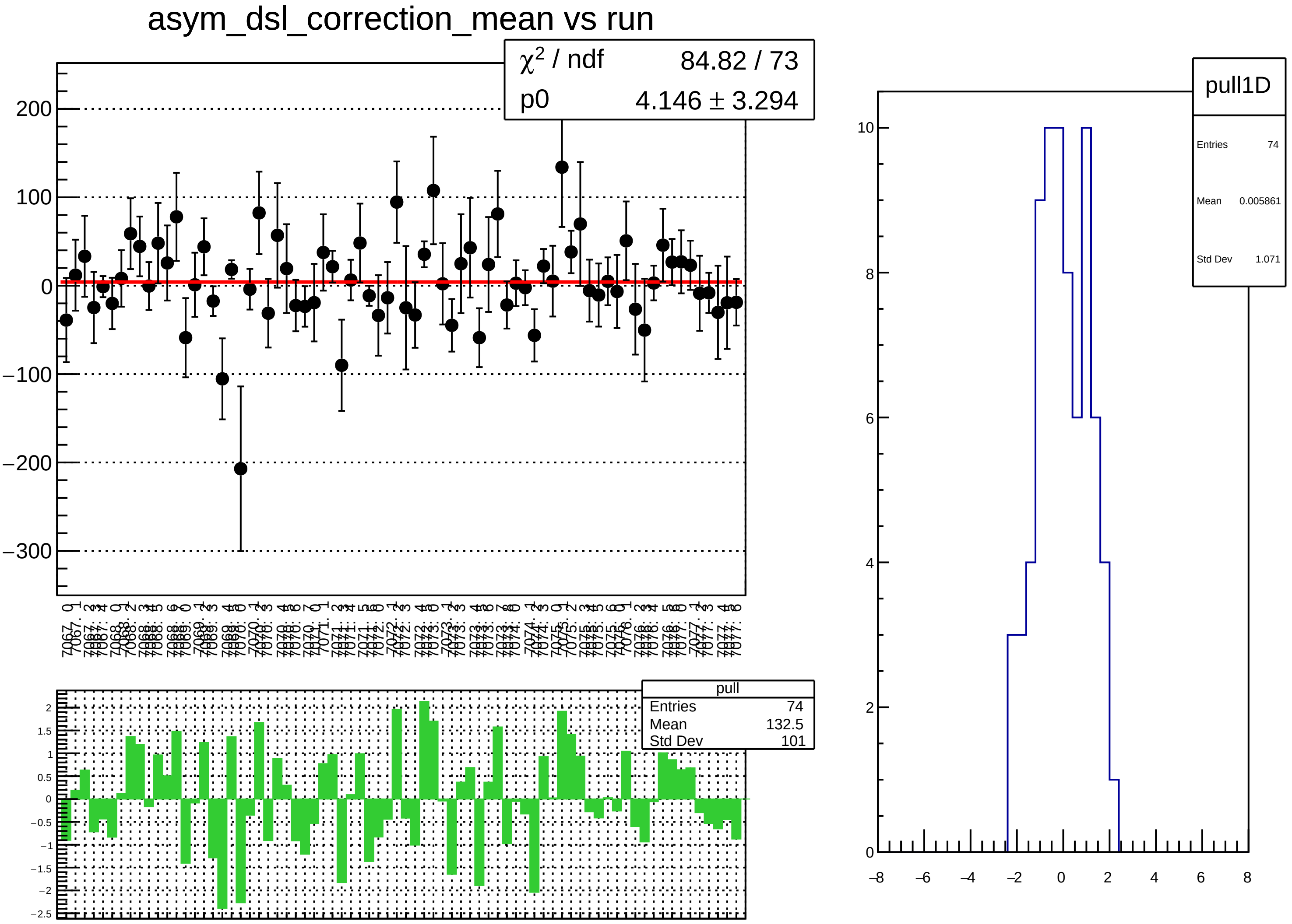
asym_usr_rms vs run
χ^2 / ndf 5585 / 73
p0 2032 ± 1.643
2300
2200
2100
2000
1900
1800



reg_asym_dsl_mean vs run
χ^2 / ndf 65.07 / 73
p0 153.4 ± 180.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 74
Mean 10.44
Std Dev 50.34
pull1D
Entries 74
Mean 0.0299
Std Dev 0.9372

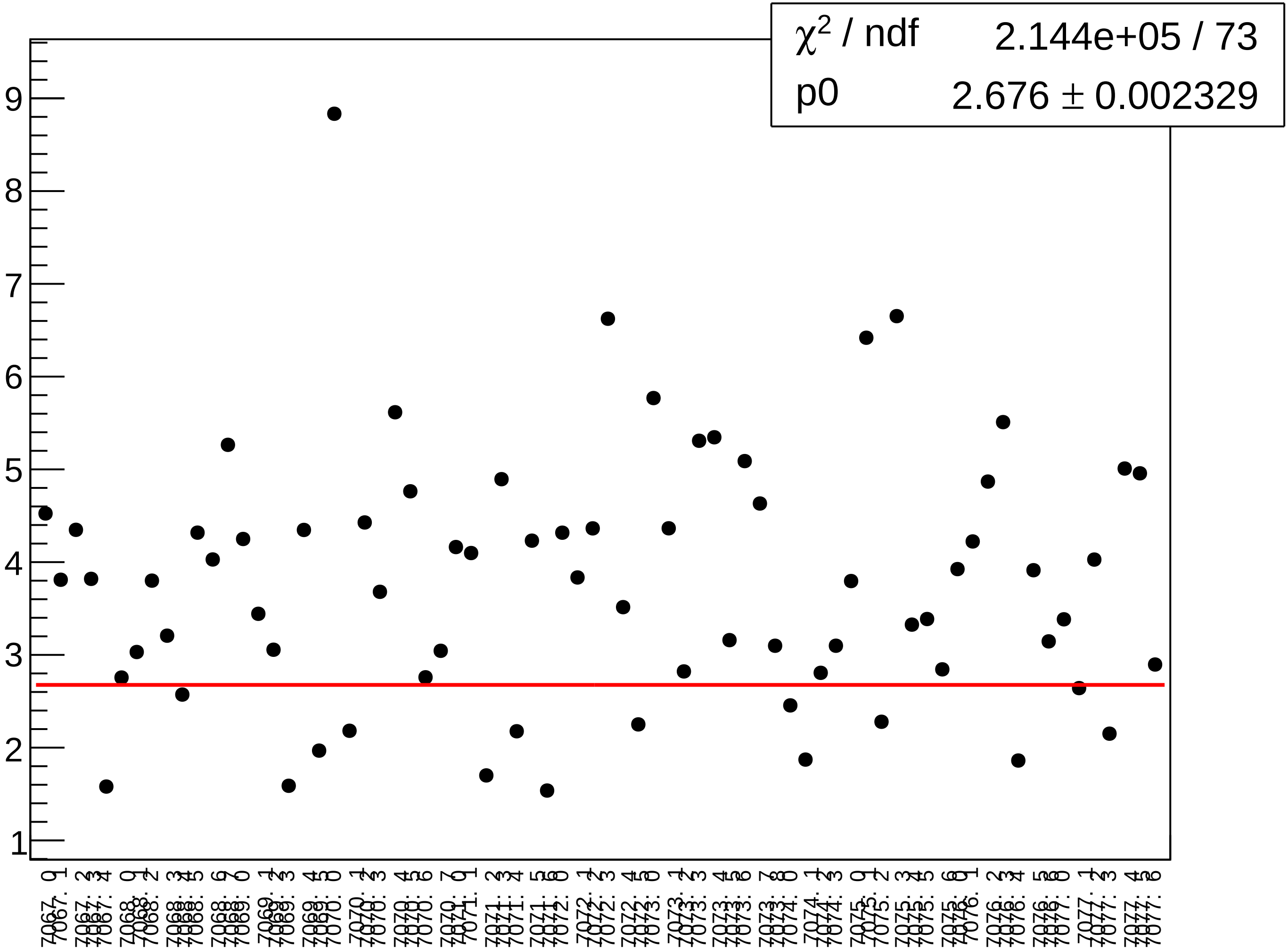


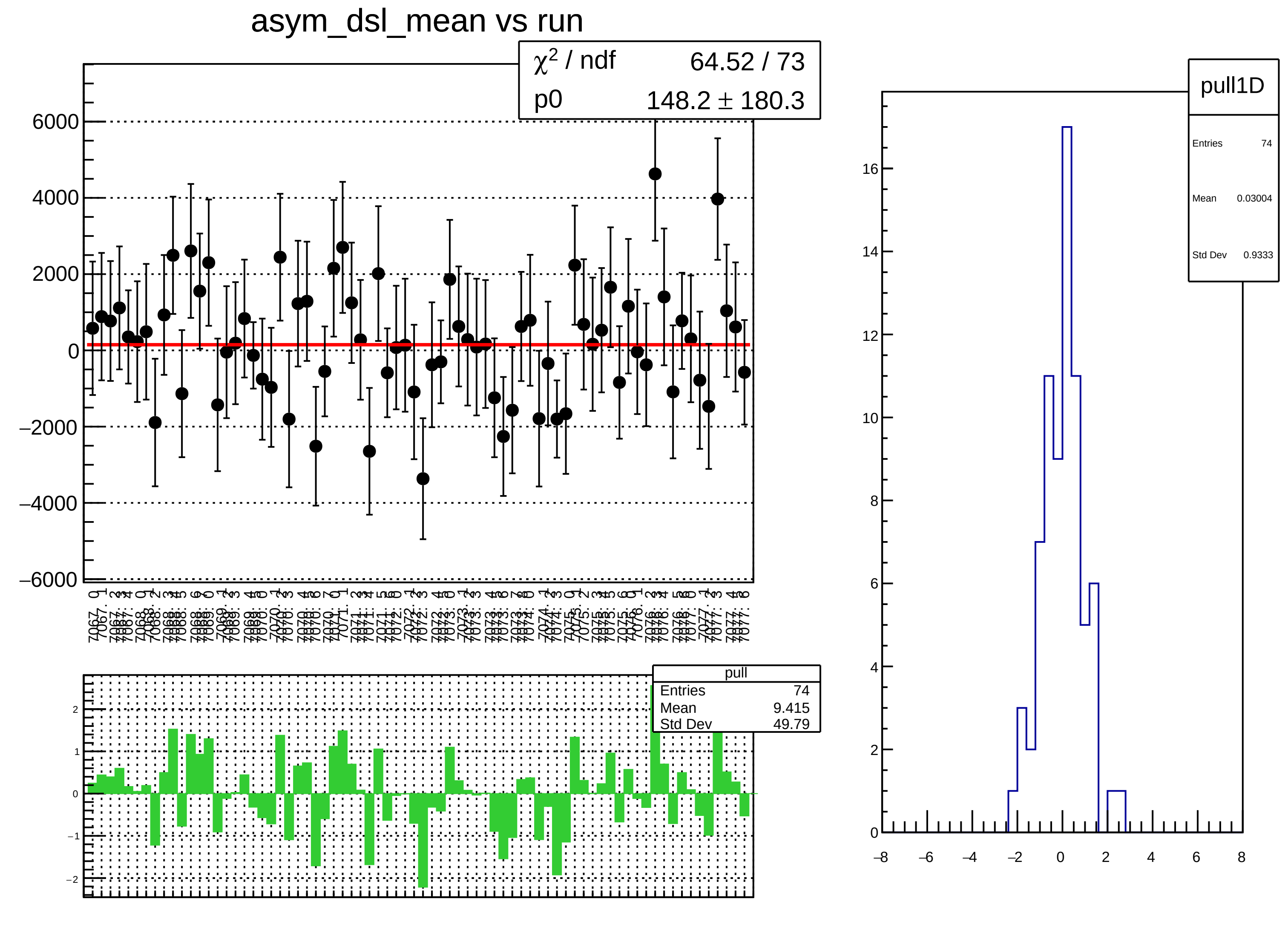
reg_asym_dsl_rms vs run
χ2 / ndf 3201 / 73
p0 157.7 ± 0.1274
170
165
160
155
150
145



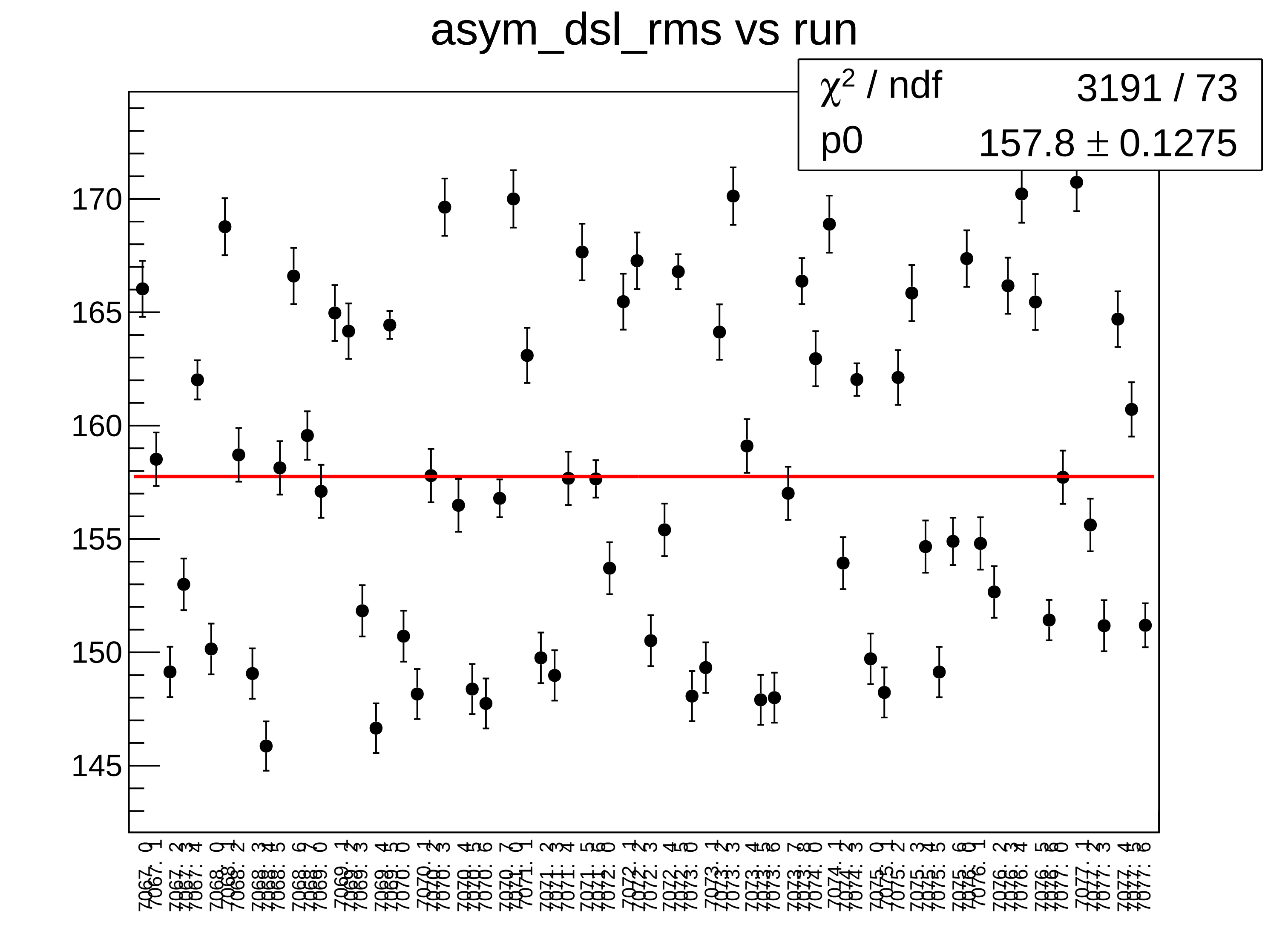
asym_dsl_correction_mean vs run
χ^2 / ndf 84.82 / 73
p0 4.146 ± 3.294
pull
Entries 74
Mean 132.5
Std Dev 101
pull1D
Entries 74
Mean 0.005861
Std Dev 1.071

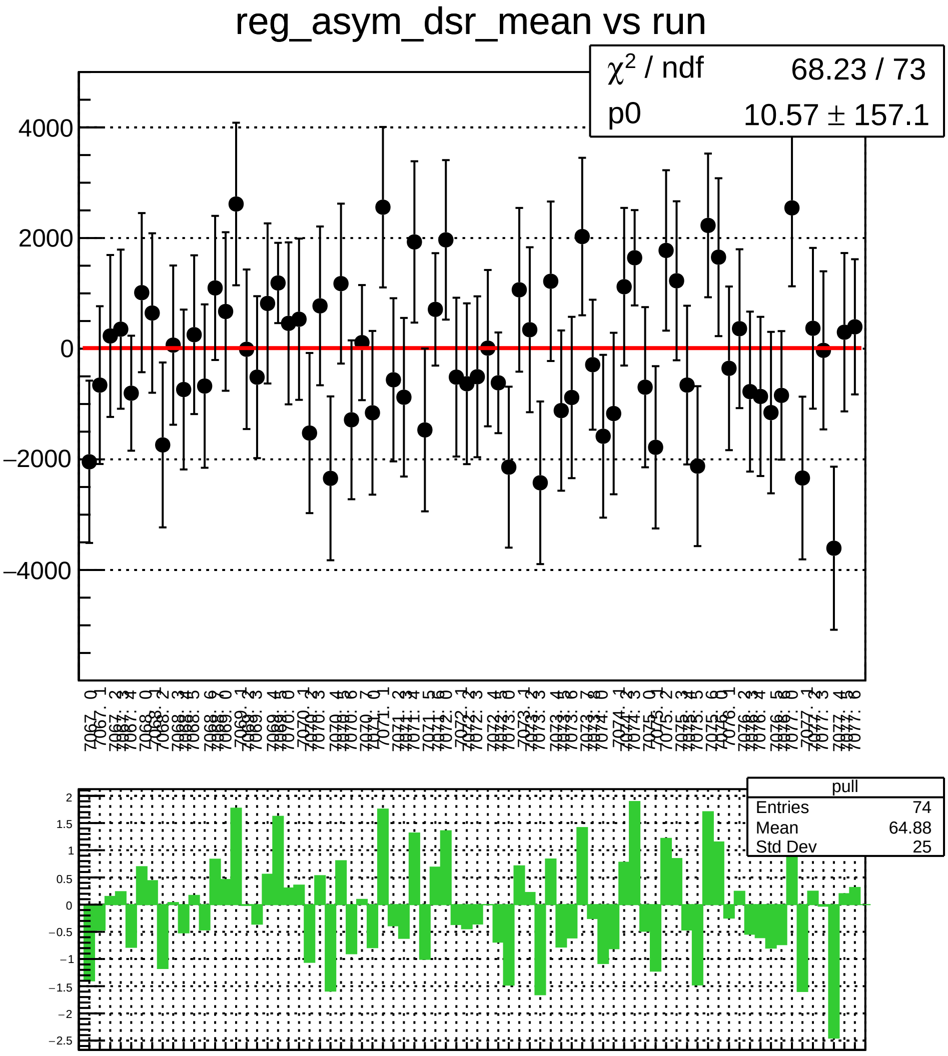
asym_dsl_correction_rms vs run

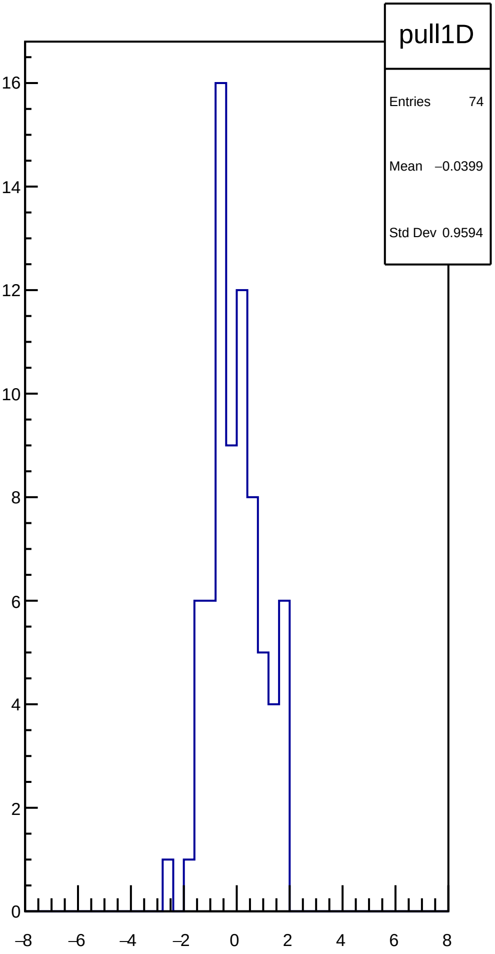


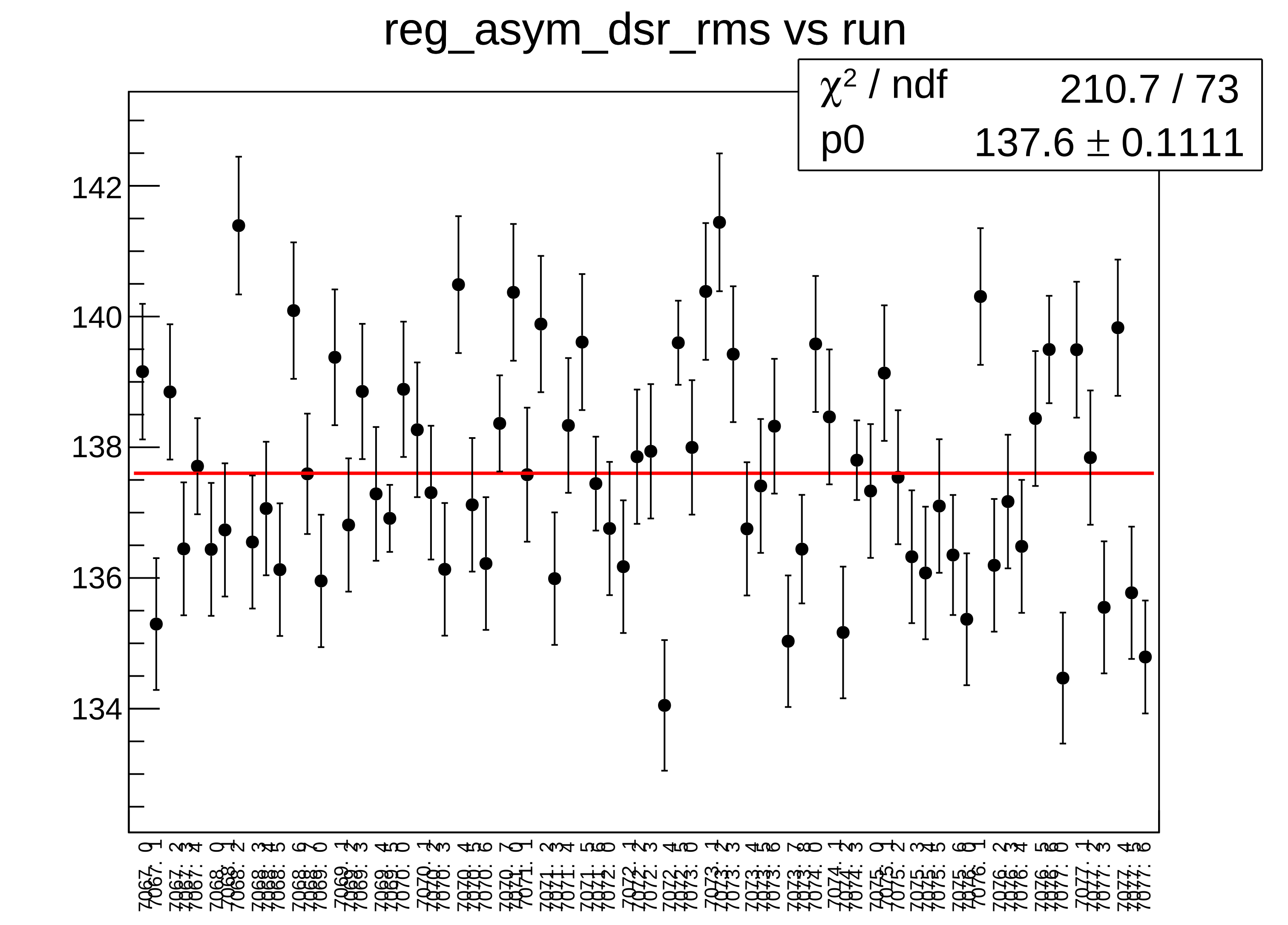


asym_dsl_mean vs run
χ2 / ndf 64.52 / 73
p0 148.2 ± 180.3
pull
Entries 74
Mean 9.415
Std Dev 49.79
pull1D
Entries 74
Mean 0.03004
Std Dev 0.9333

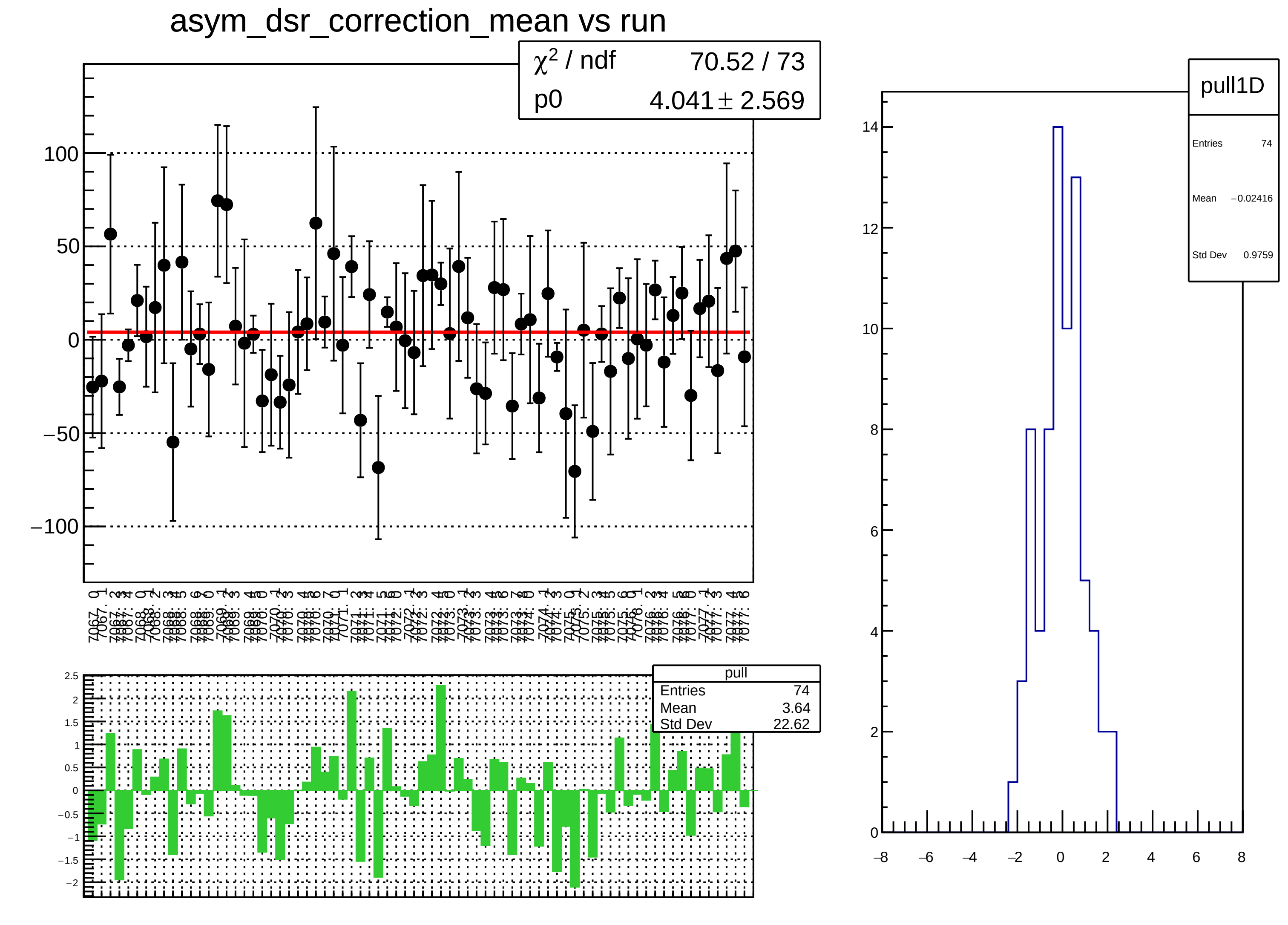

asym_dsl_rms vs run
χ2 / ndf 3191 / 73
p0 157.8 ± 0.1275
170
165
160
155
150
145

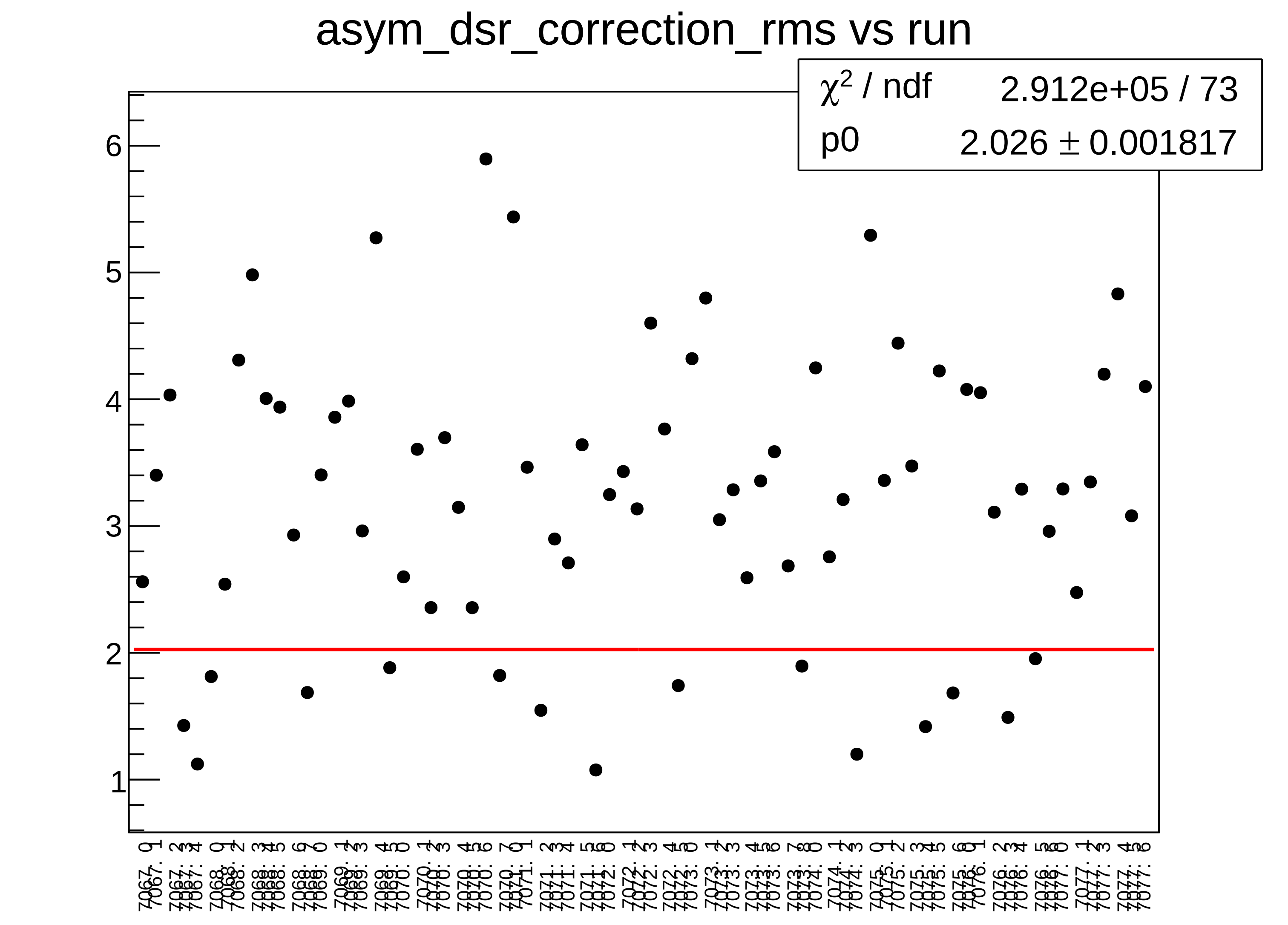

reg_asym_dsr_mean vs run
χ^2 / ndf 68.23 / 73
p0 10.57 ± 157.1
pull
Entries 74
Mean 64.88
Std Dev 25


pull1D
Entries 74
Mean −0.0399
Std Dev 0.9594

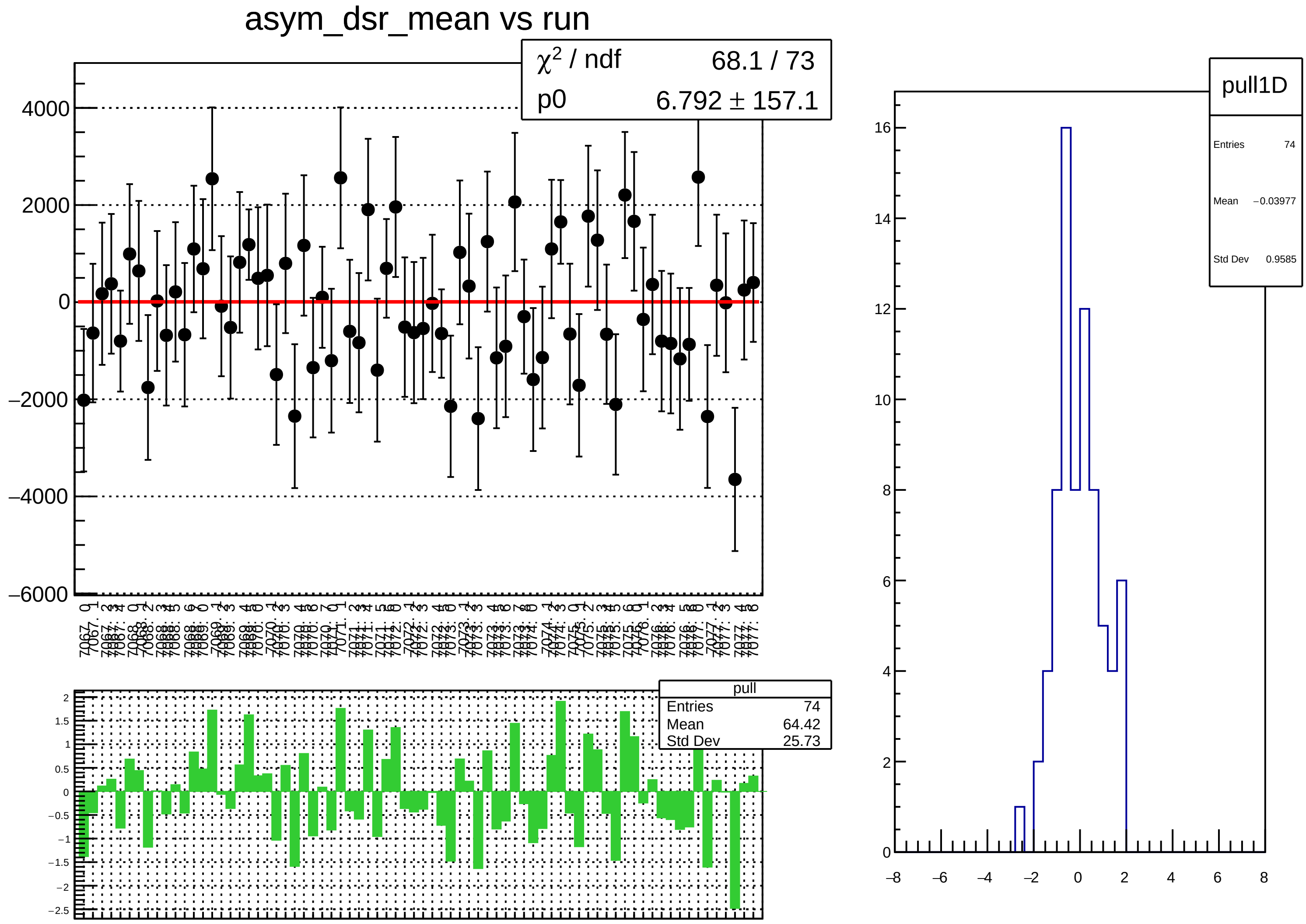


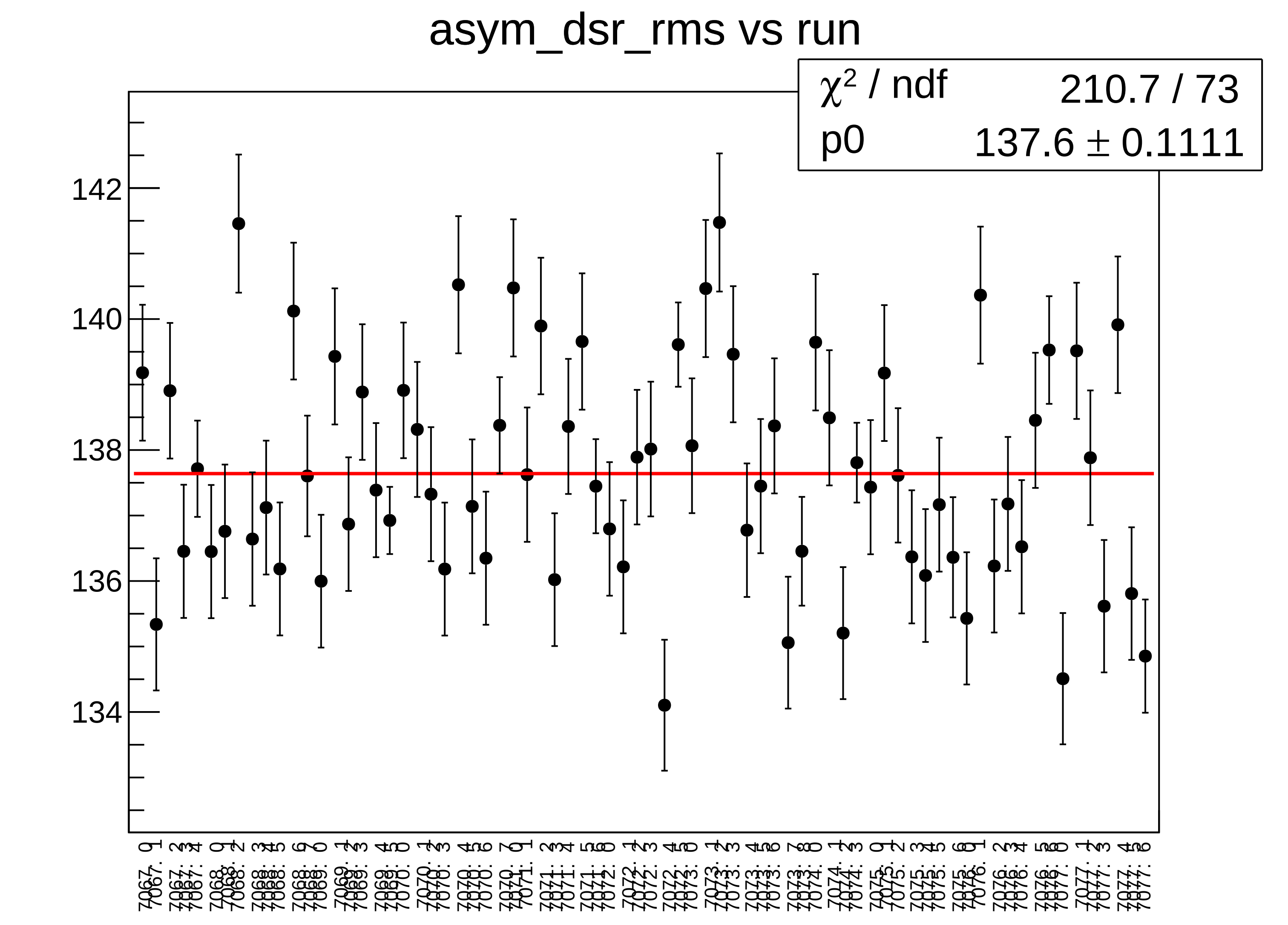
reg_asym_dsr_rms vs run
χ^2 / ndf 210.7 / 73
p0 137.6 ± 0.1111
142
140
138
136
134

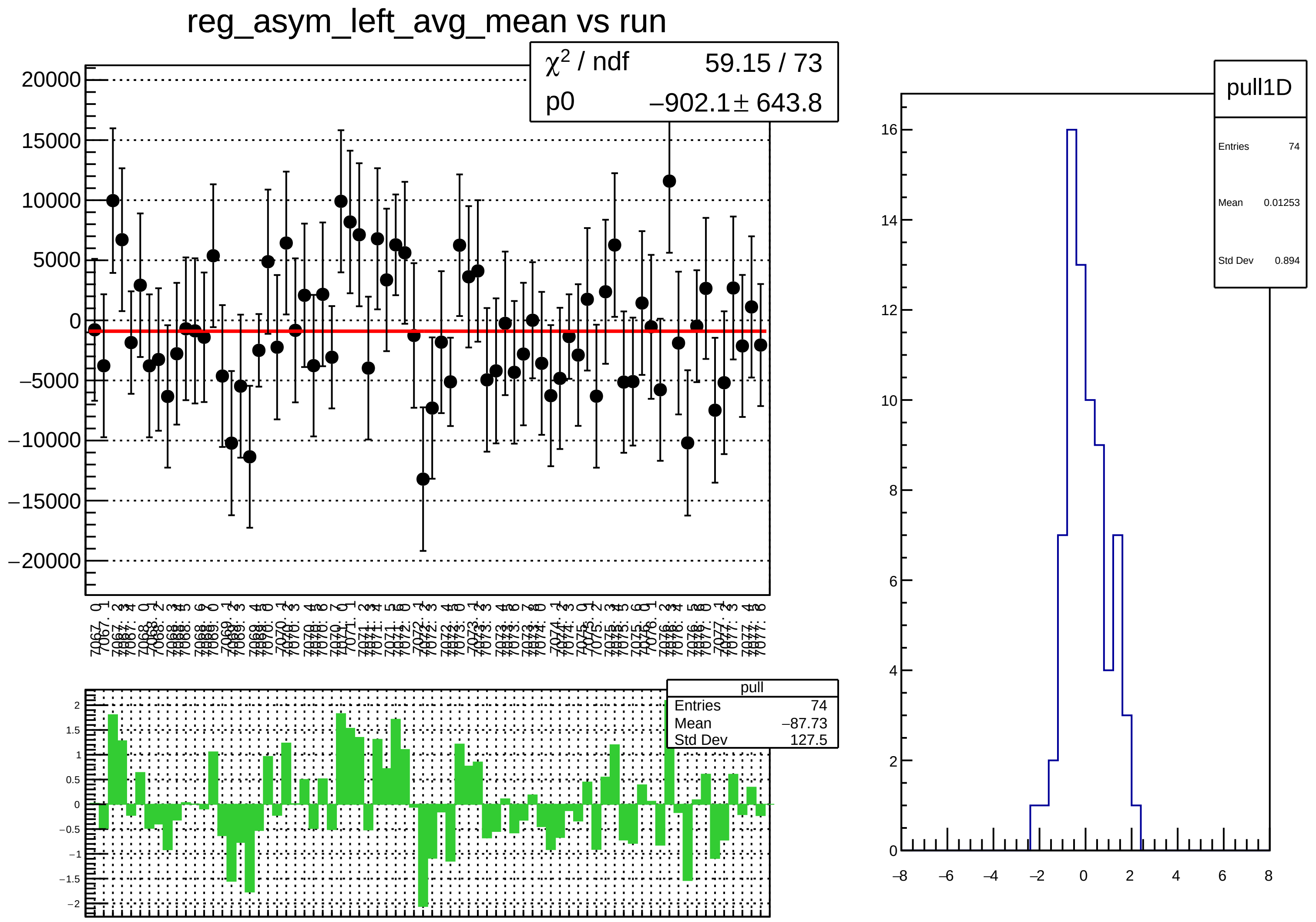

asym_dsr_correction_mean vs run
χ^2 / ndf 70.52 / 73
p0 4.041 ± 2.569
pull
Entries 74
Mean 3.64
Std Dev 22.62
pull1D
Entries 74
Mean −0.02416
Std Dev 0.9759

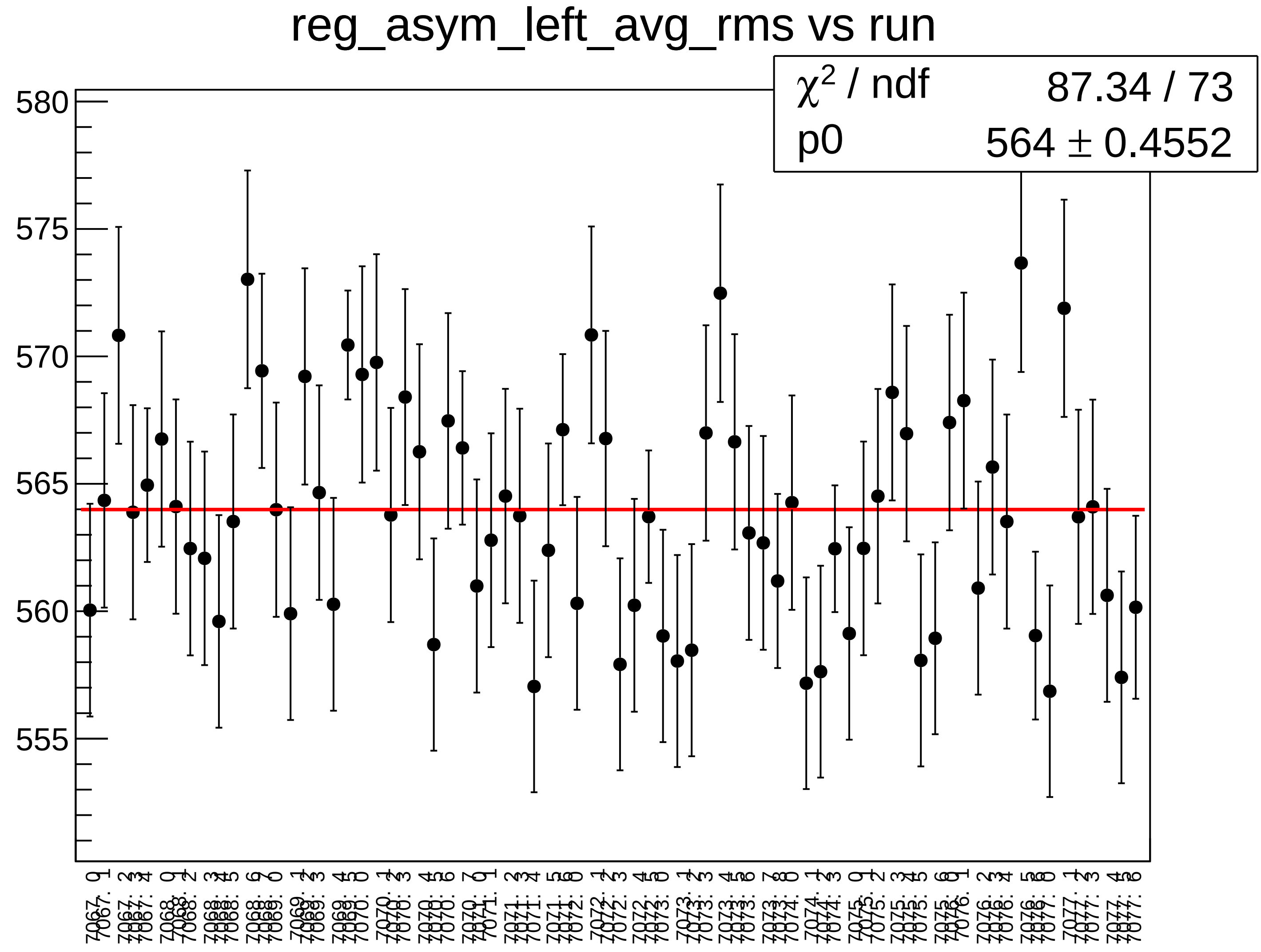


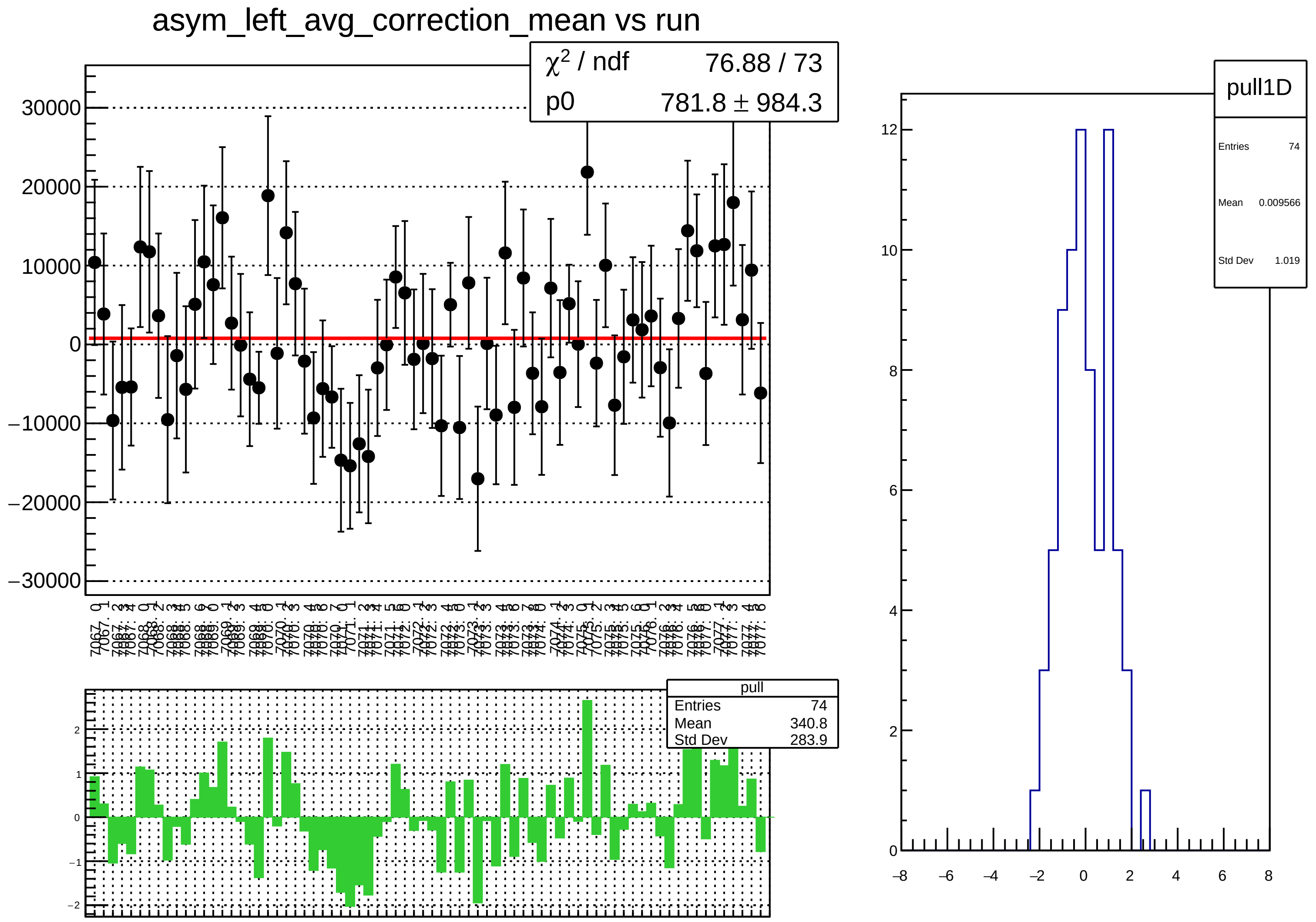
asym_dsr_correction_rms vs run
χ2 / ndf 2.912e+05 / 73
p0 2.026 ± 0.001817


asym_dsr_mean vs run
χ2 / ndf 68.1 / 73
p0 6.792 ± 157.1
pull
Entries 74
Mean 64.42
Std Dev 25.73
pull1D
Entries 74
Mean −0.03977
Std Dev 0.9585

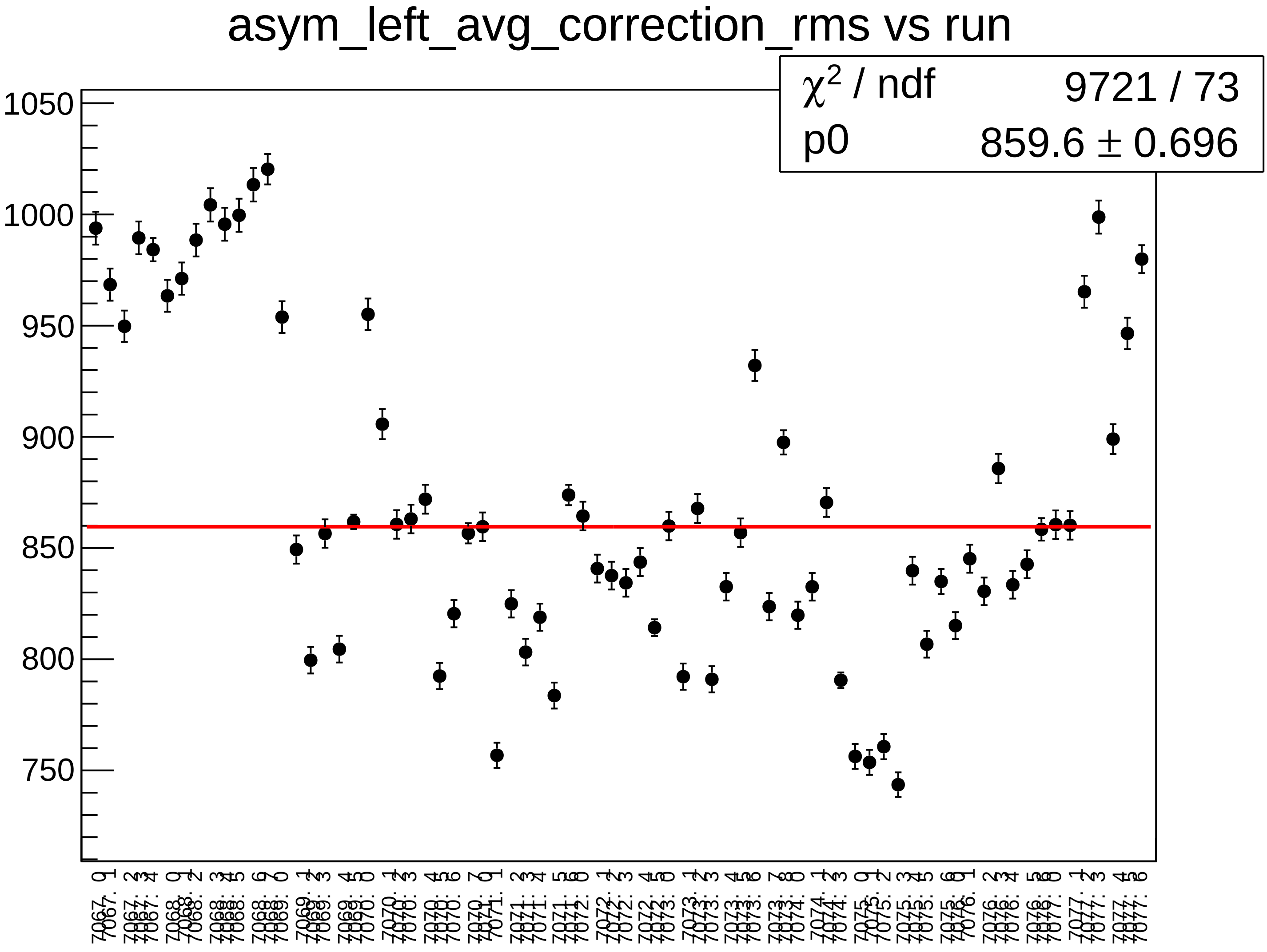

asym_dsr_rms vs run
χ^2 / ndf 210.7 / 73
p0 137.6 ± 0.1111
142
140
138
136
134

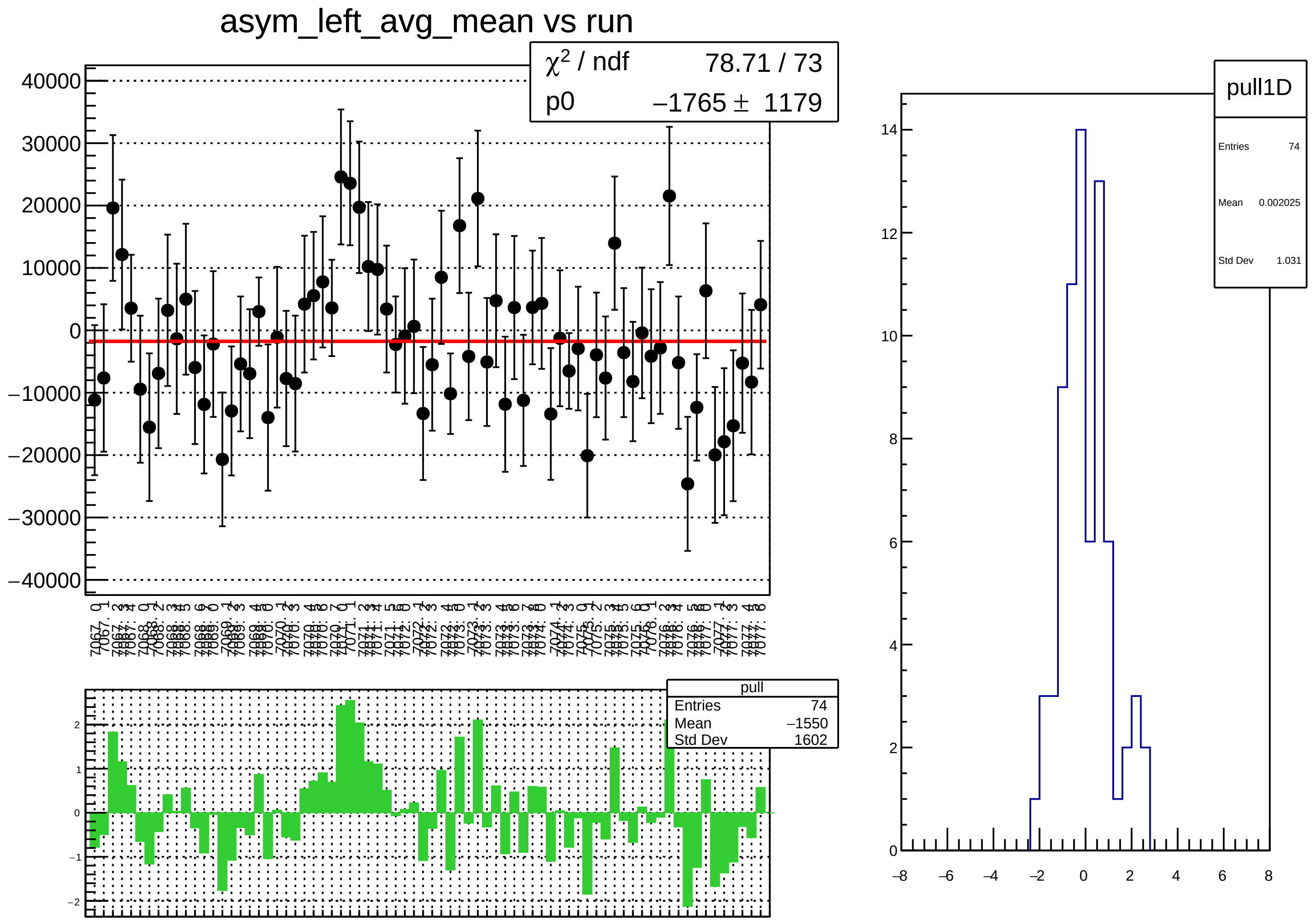

reg_asym_left_avg_mean vs run
χ^2 / ndf 59.15 / 73
p0 −902.1 ± 643.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 74
Mean −87.73
Std Dev 127.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.01253
Std Dev 0.894
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_left_avg_rms vs run
χ2 / ndf 87.34 / 73
p0 564 ± 0.4552
580
575
570
565
560
555

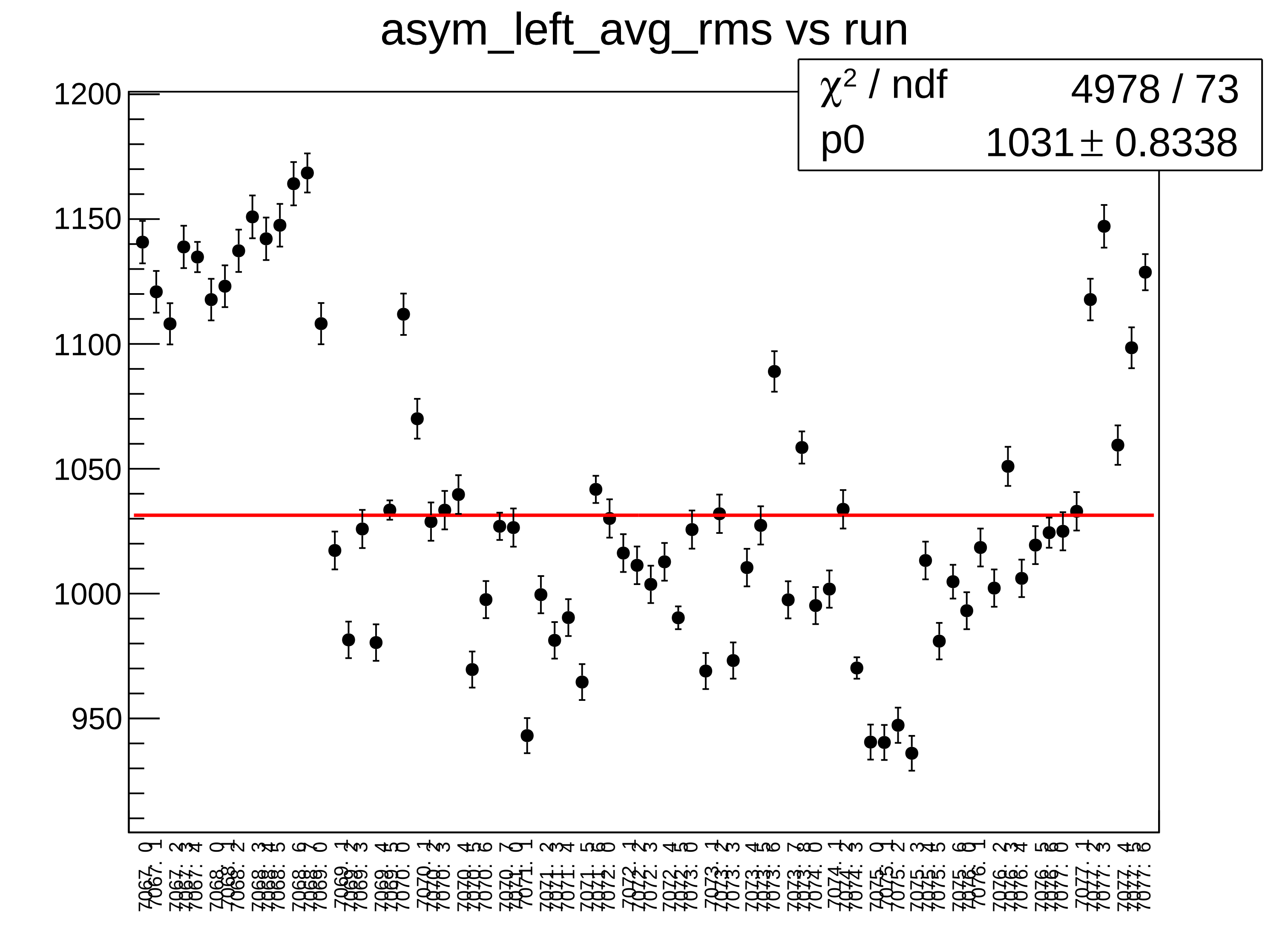


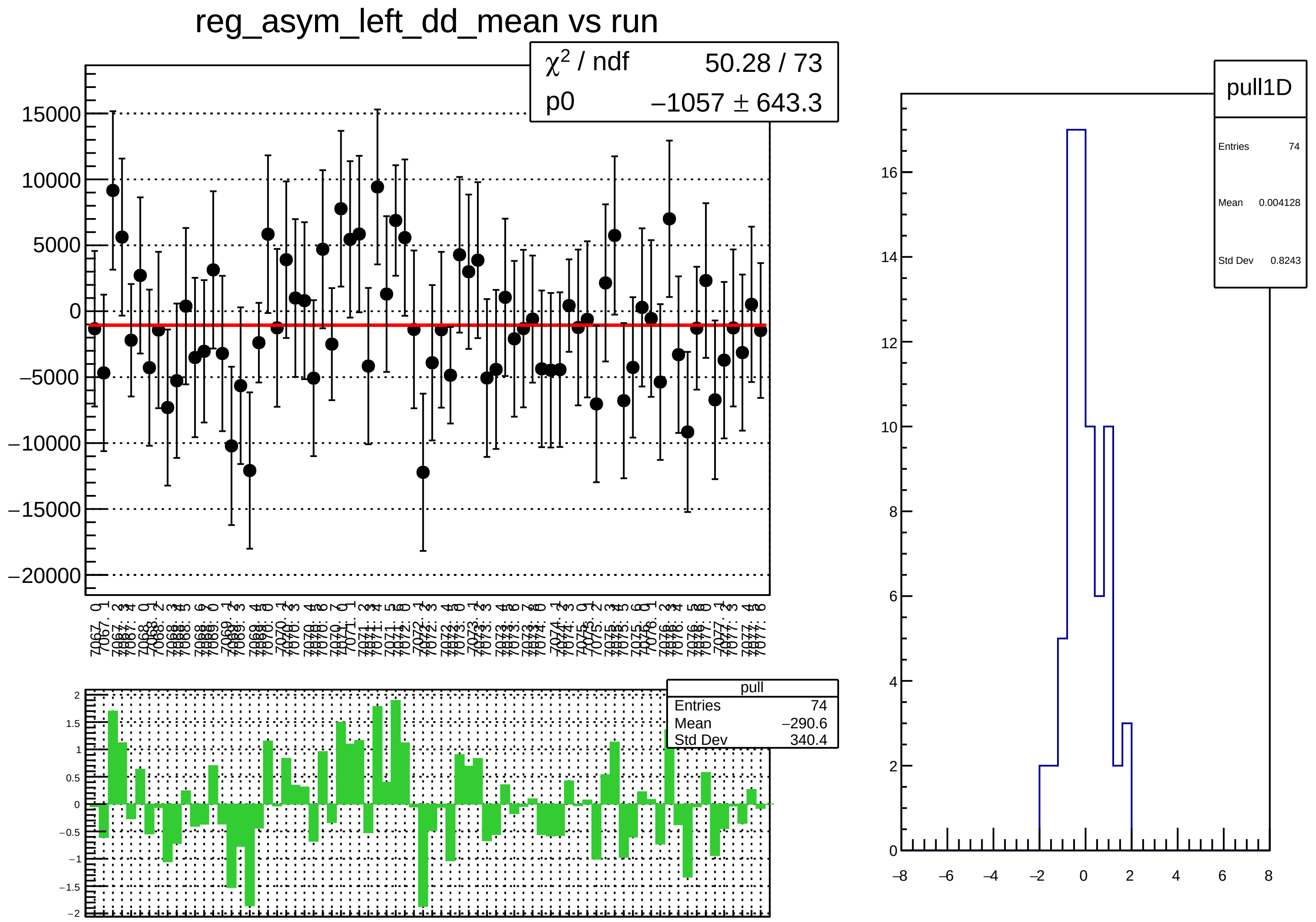
asym_left_avg_correction_mean vs run
χ2 / ndf 76.88 / 73
p0 781.8 ± 984.3
pull
Entries 74
Mean 340.8
Std Dev 283.9
pull1D
Entries 74
Mean 0.009566
Std Dev 1.019


asym_left_avg_correction_rms vs run
χ² / ndf 9721 / 73
p0 859.6 ± 0.696
1050
1000
950
900
850
800
750



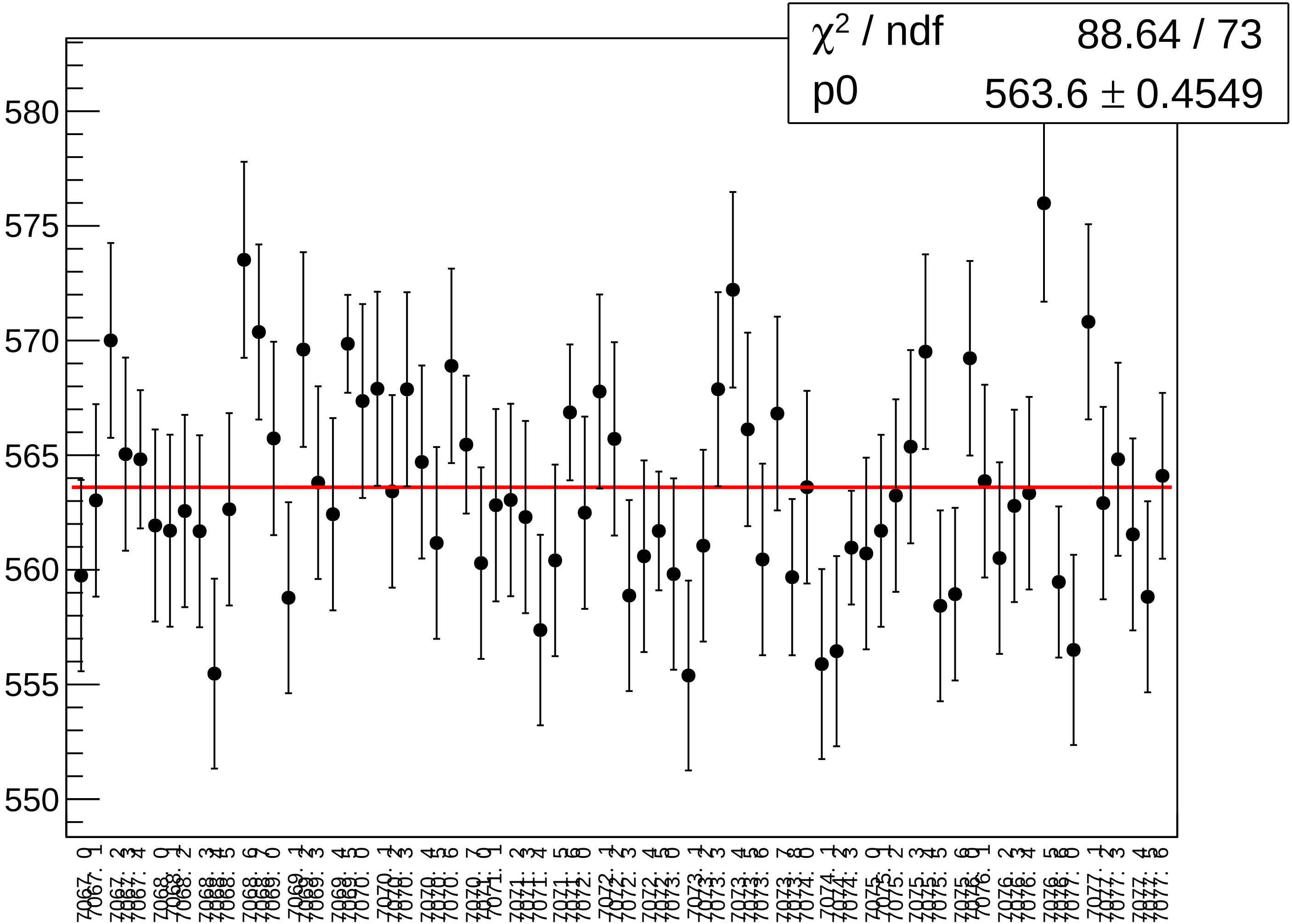
asym_left_avg_mean vs run
χ^2 / ndf 78.71 / 73
p0 −1765 ± 1179
pull
Entries 74
Mean −1550
Std Dev 1602
pull1D
Entries 74
Mean 0.002025
Std Dev 1.031

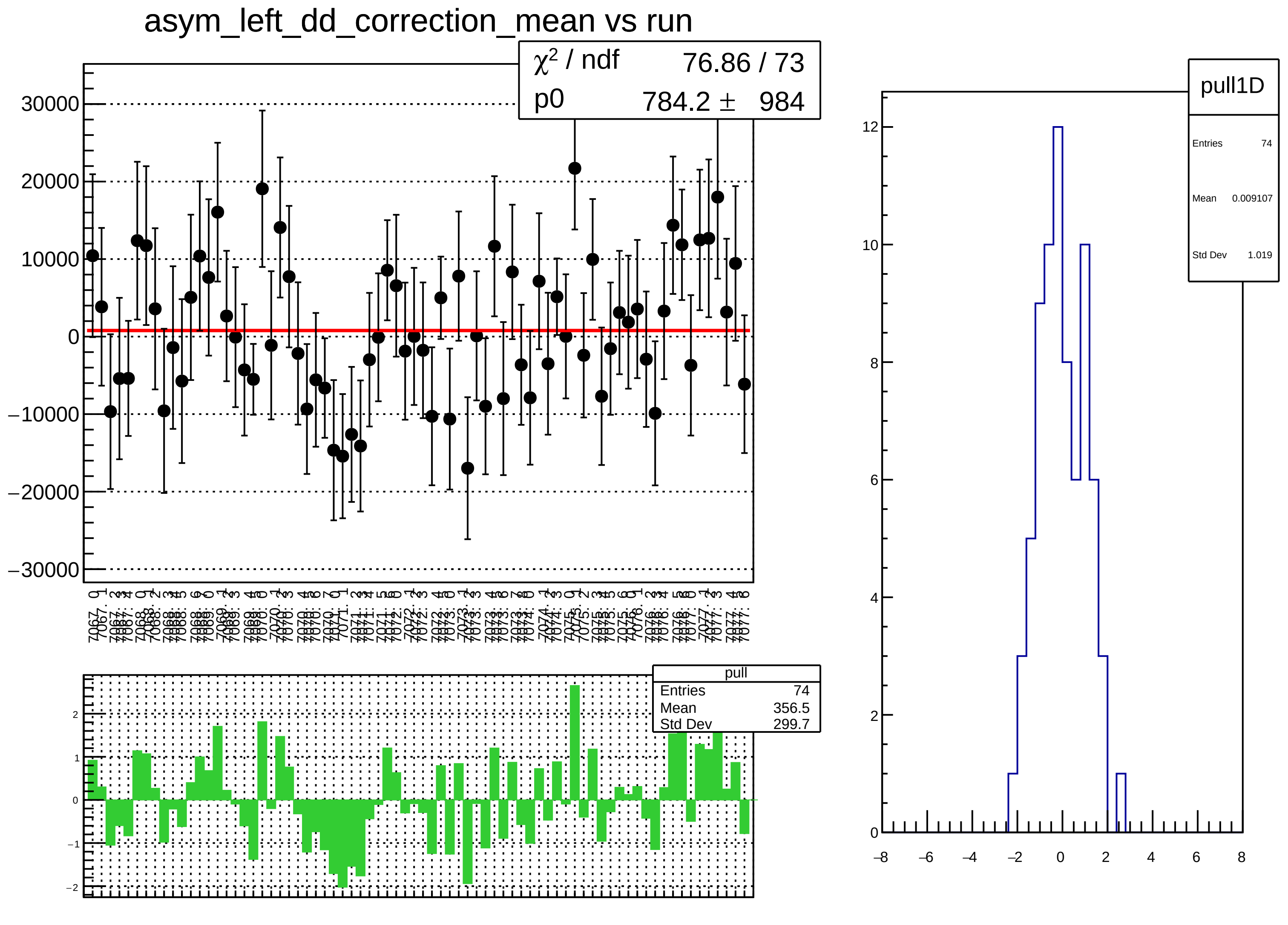

asym_left_avg_rms vs run
χ^2 / ndf 4978 / 73
p0 1031 ± 0.8338
1200
1150
1100
1050
1000
950

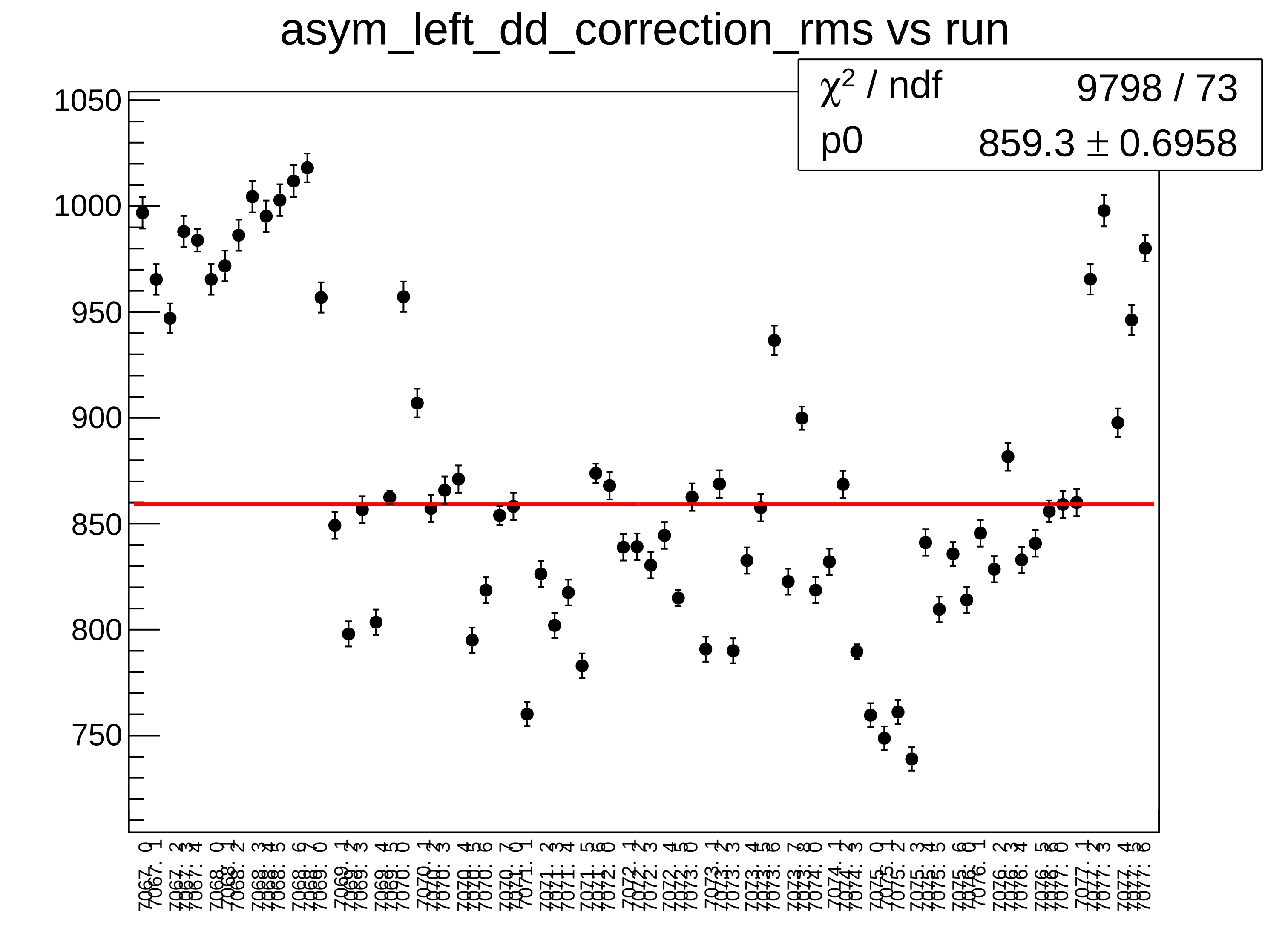


reg_asym_left_dd_mean vs run
χ2 / ndf 50.28 / 73
p0 −1057 ± 643.3
pull
Entries 74
Mean −290.6
Std Dev 340.4
pull1D
Entries 74
Mean 0.004128
Std Dev 0.8243

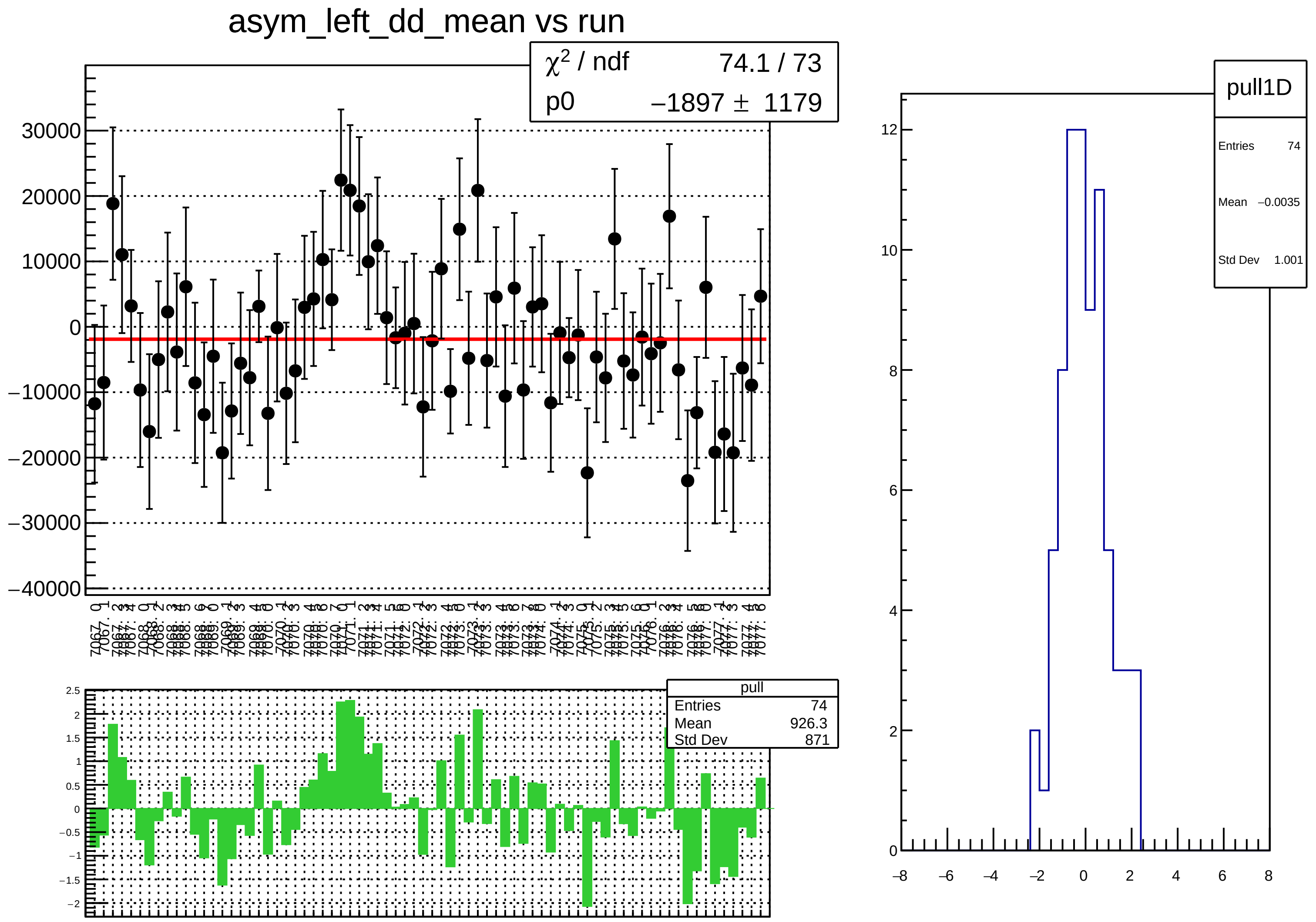
reg_asym_left_dd_rms vs run



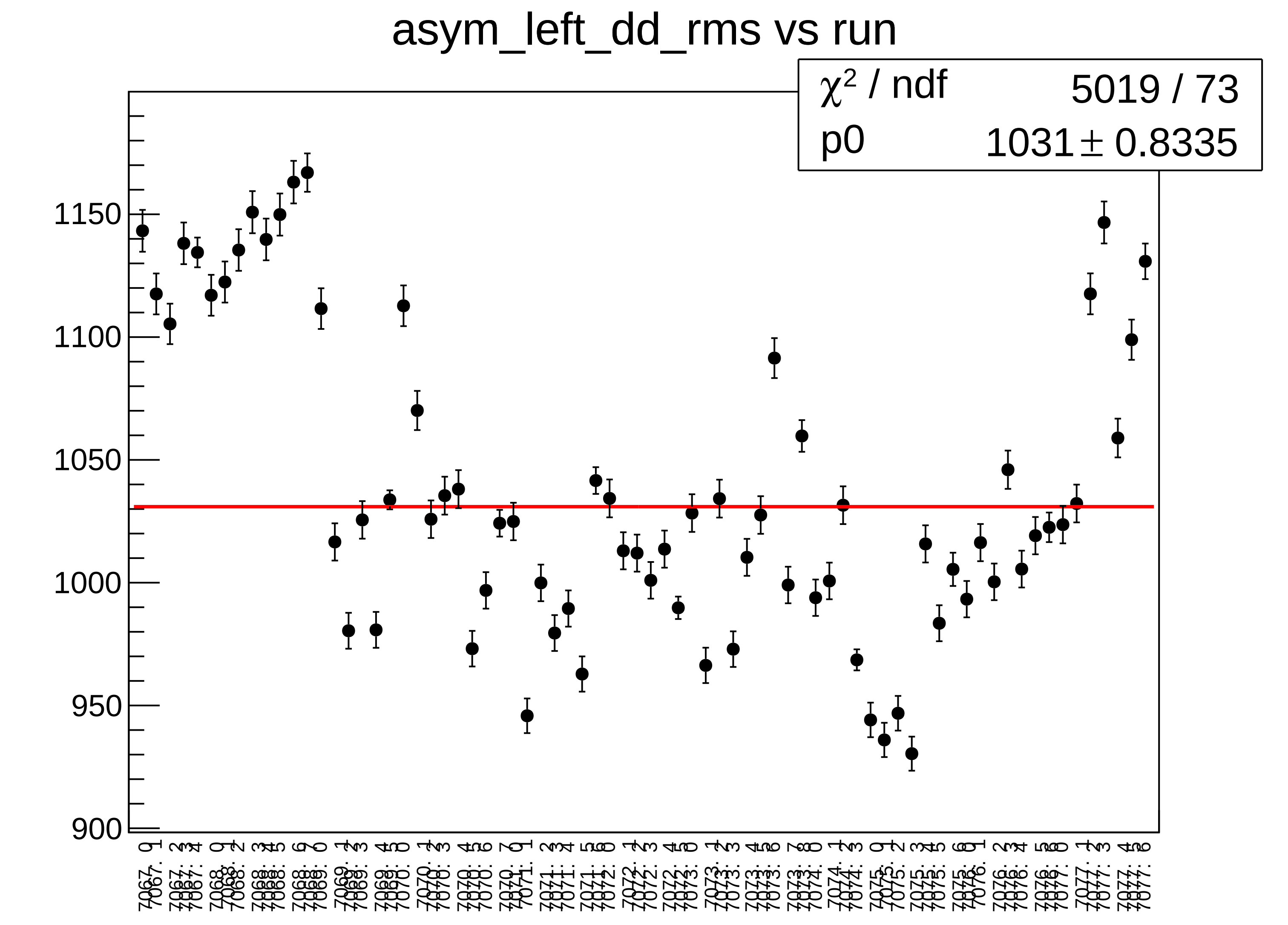

asym_left_dd_correction_mean vs run
χ^2 / ndf 76.86 / 73
p0 784.2 ± 984
pull
Entries 74
Mean 356.5
Std Dev 299.7
pull1D
Entries 74
Mean 0.009107
Std Dev 1.019



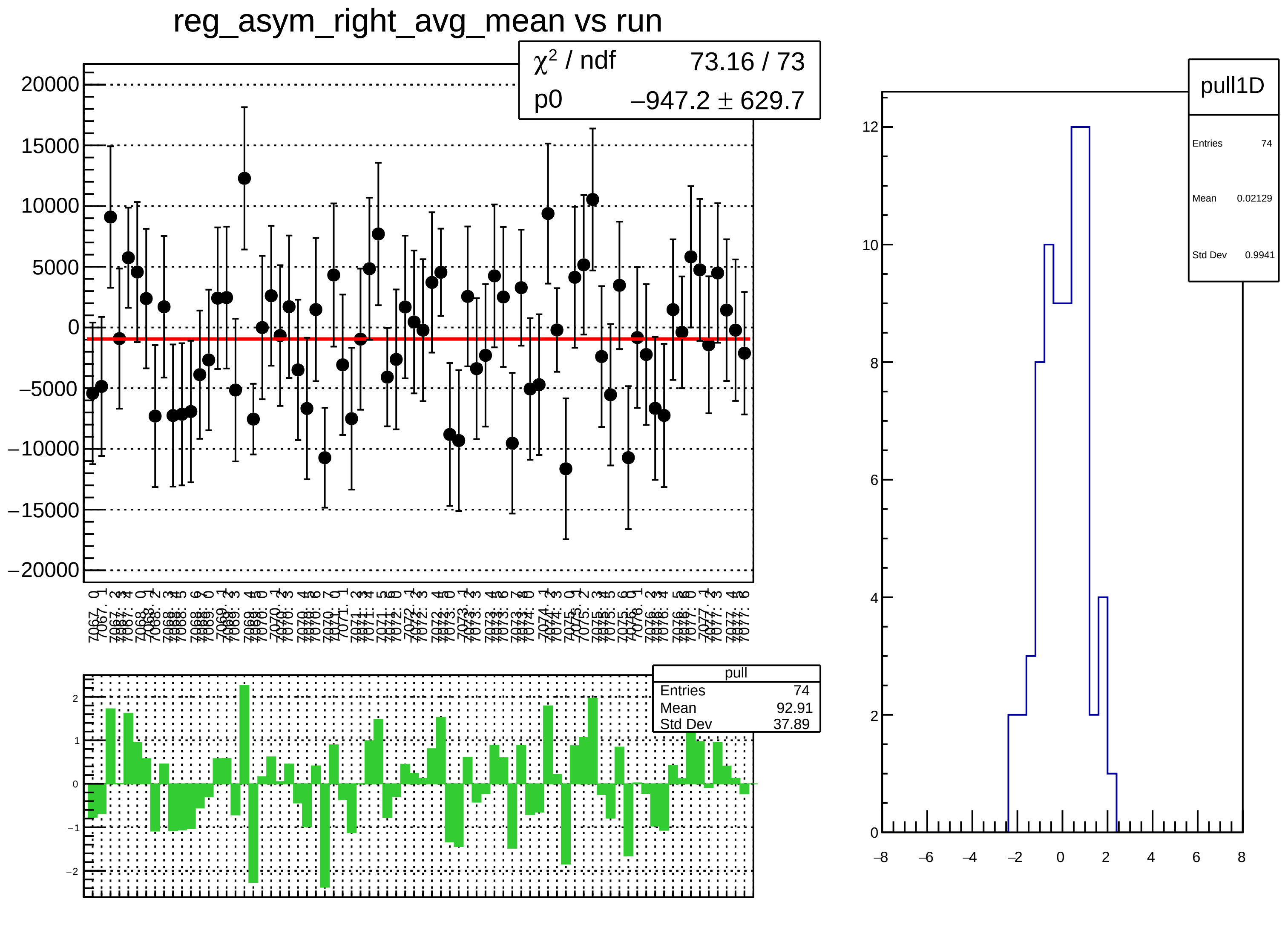
asym_left_dd_correction_rms vs run
χ^2 / ndf 9798 / 73
p0 859.3 ± 0.6958
1050
1000
950
900
850
800
750



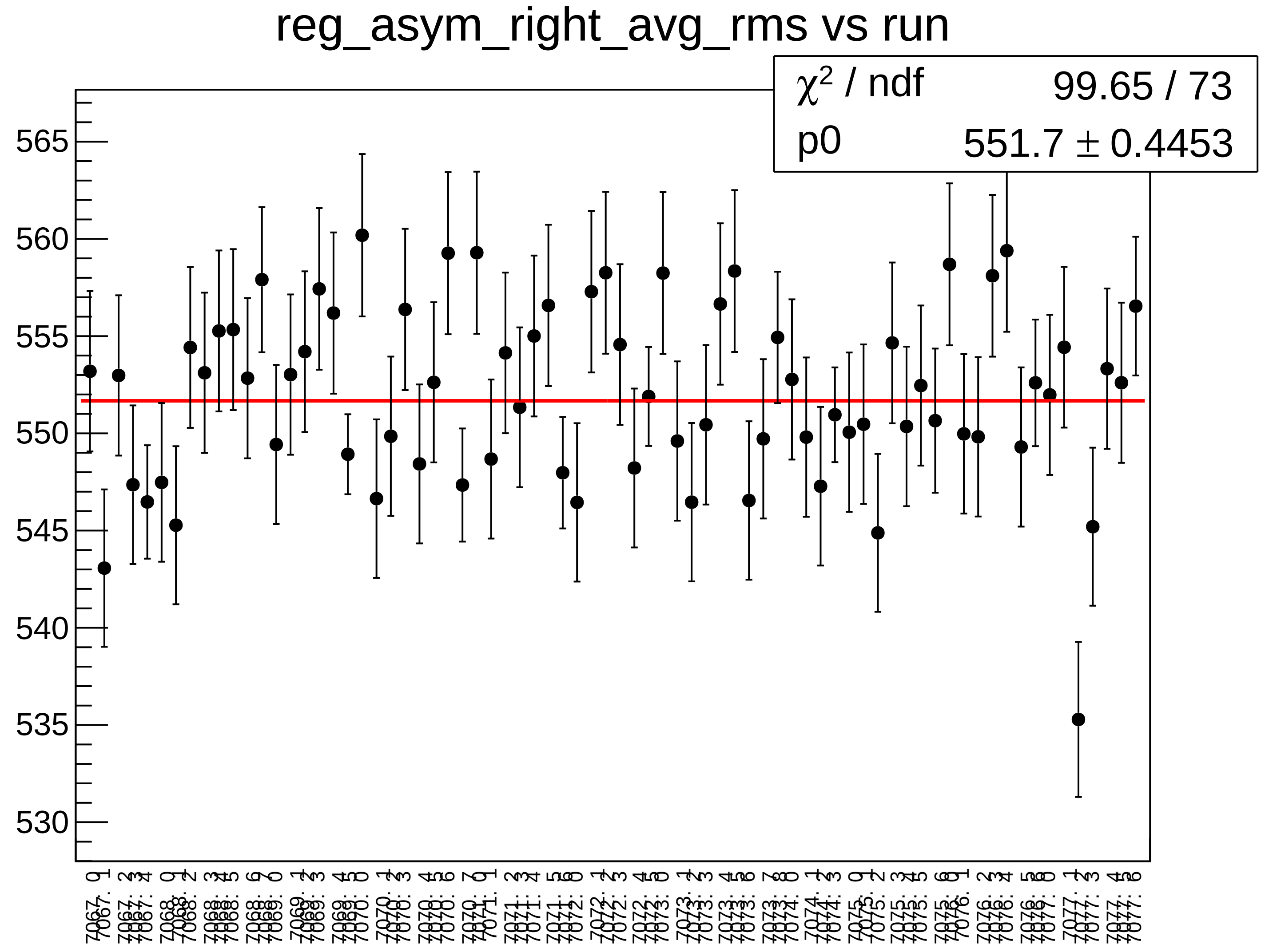
asym_left_dd_mean vs run
χ^2 / ndf 74.1 / 73
p0 −1897 ± 1179
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 74
Mean 926.3
Std Dev 871
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.0035
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



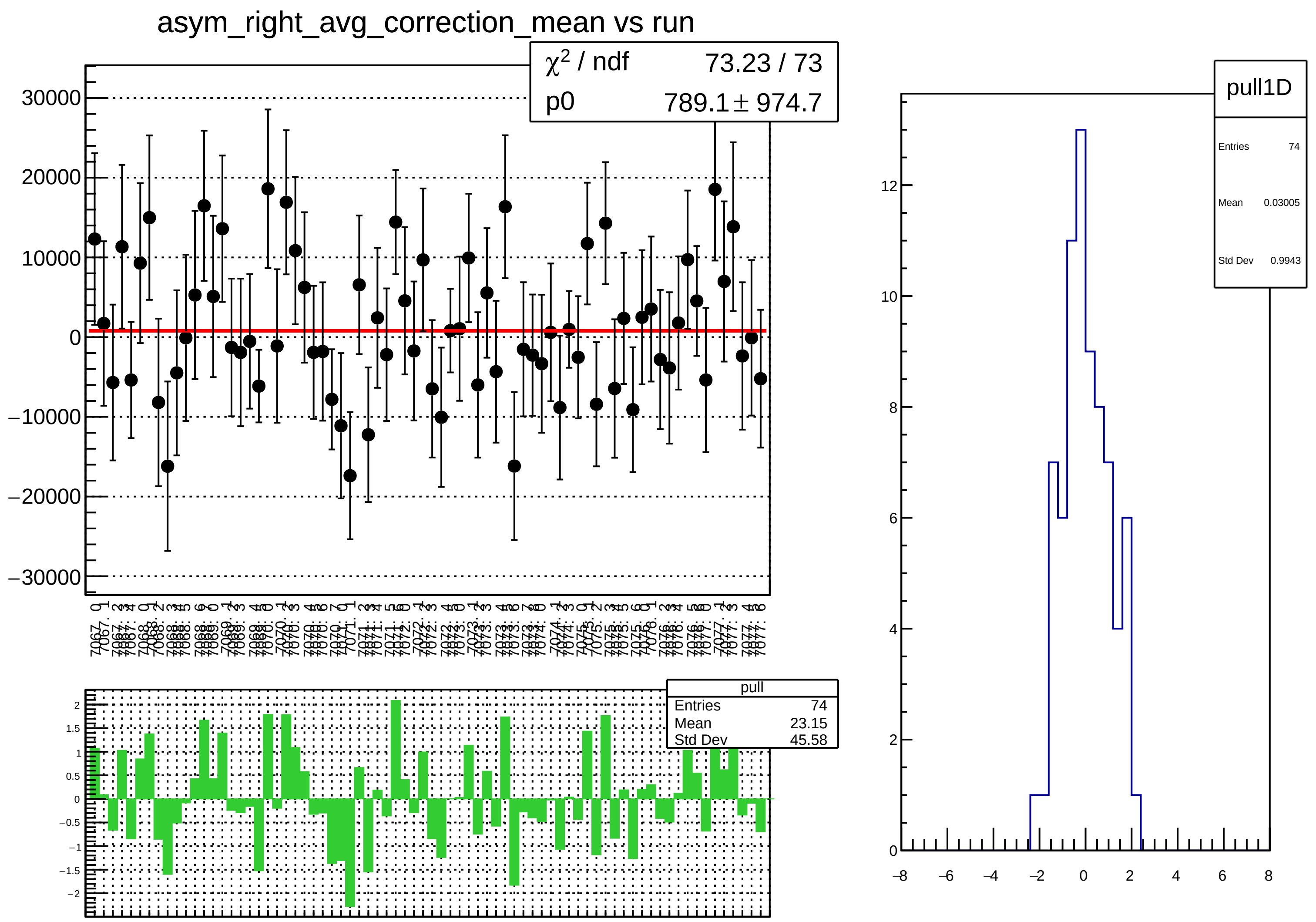
asym_left_dd_rms vs run
χ^2 / ndf 5019 / 73
p0 1031 ± 0.8335
1150
1100
1050
1000
950
900



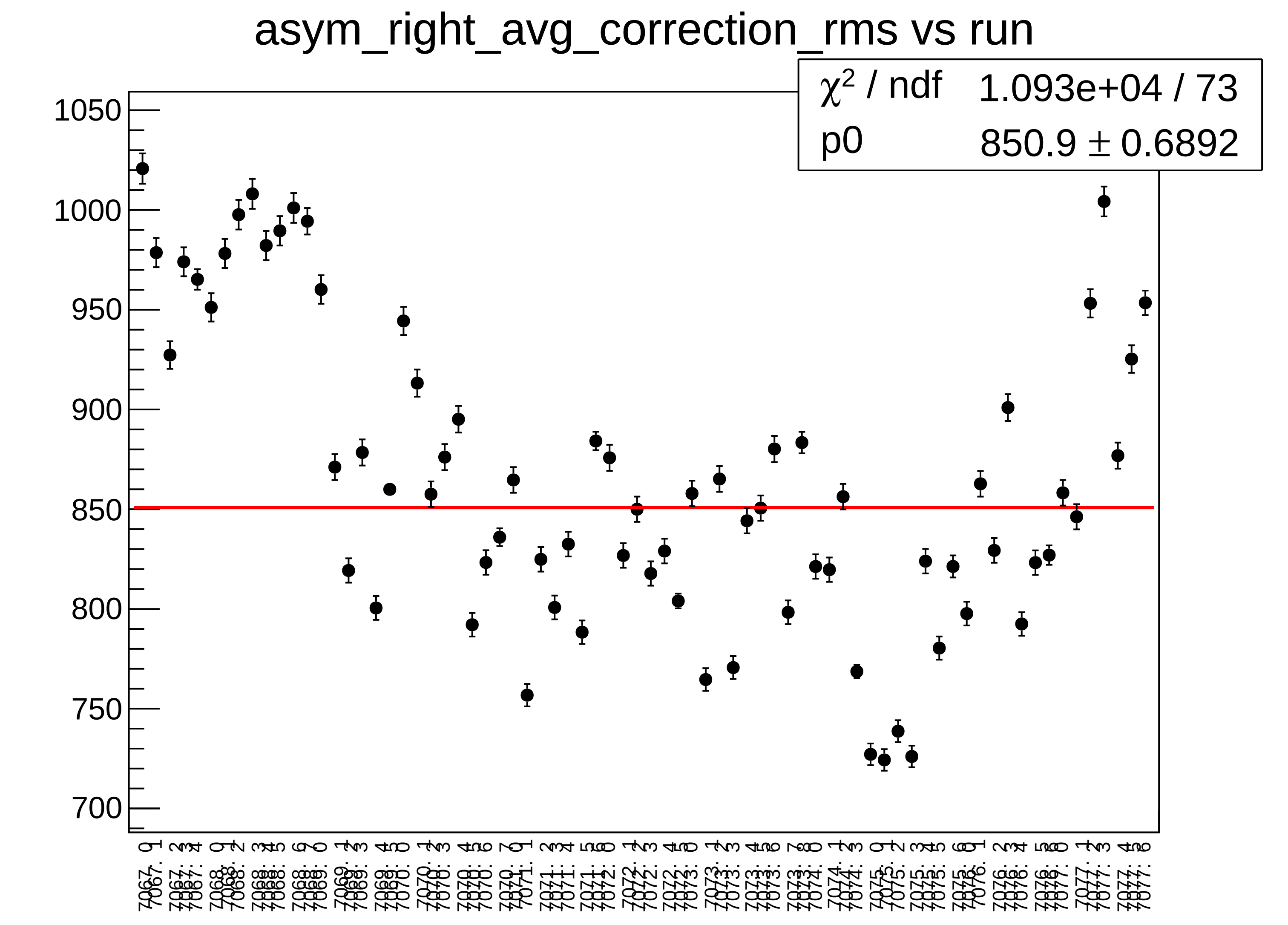
reg_asym_right_avg_mean vs run
χ2 / ndf 73.16 / 73
p0 −947.2 ± 629.7
pull
Entries 74
Mean 92.91
Std Dev 37.89
pull1D
Entries 74
Mean 0.02129
Std Dev 0.9941

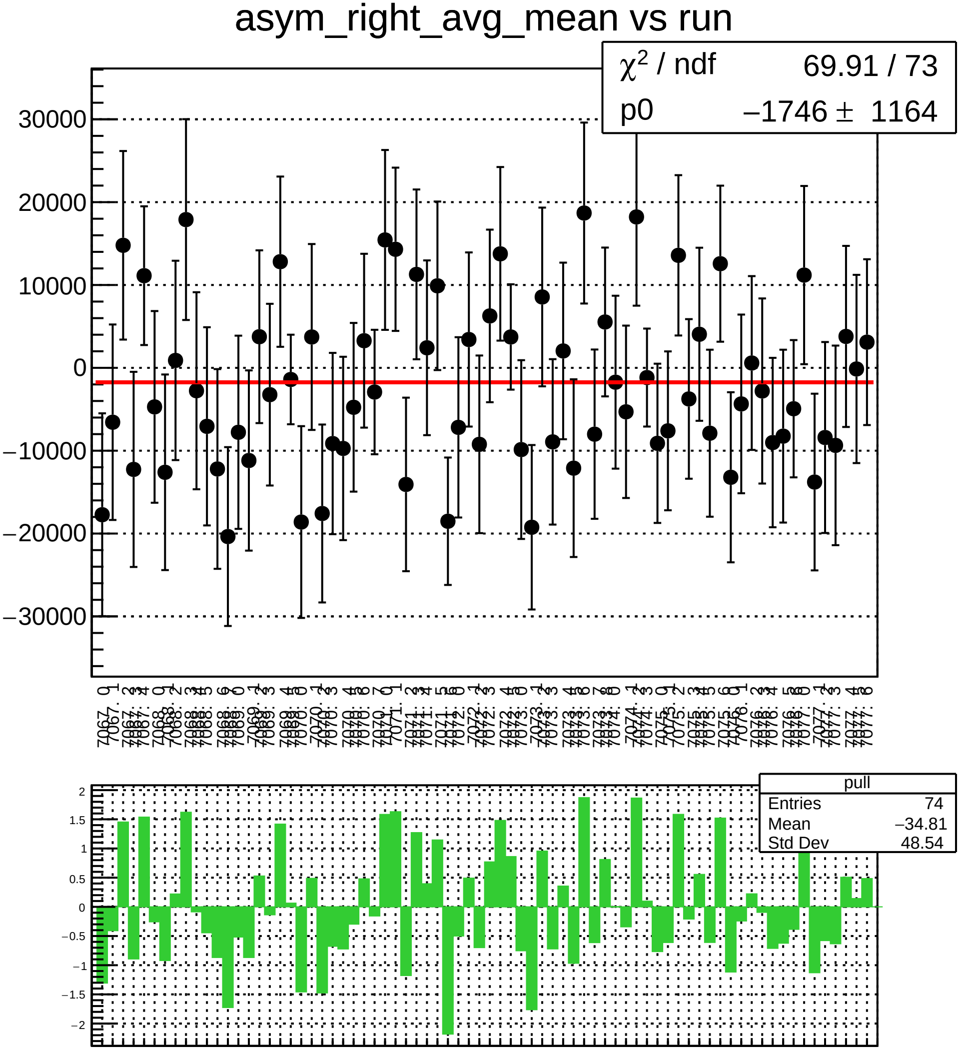


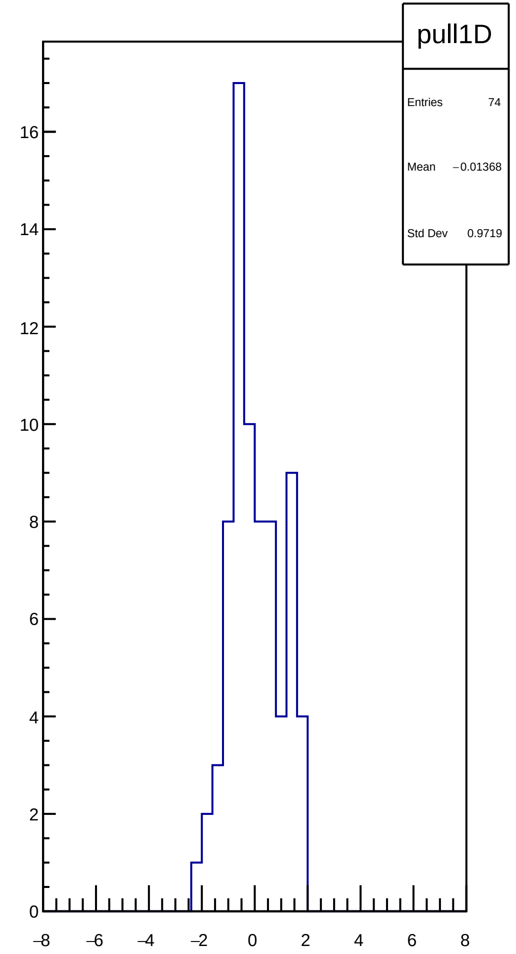
reg_asym_right_avg_rms vs run
χ^2 / ndf 99.65 / 73
p0 551.7 ± 0.4453
565
560
555
550
545
540
535
530

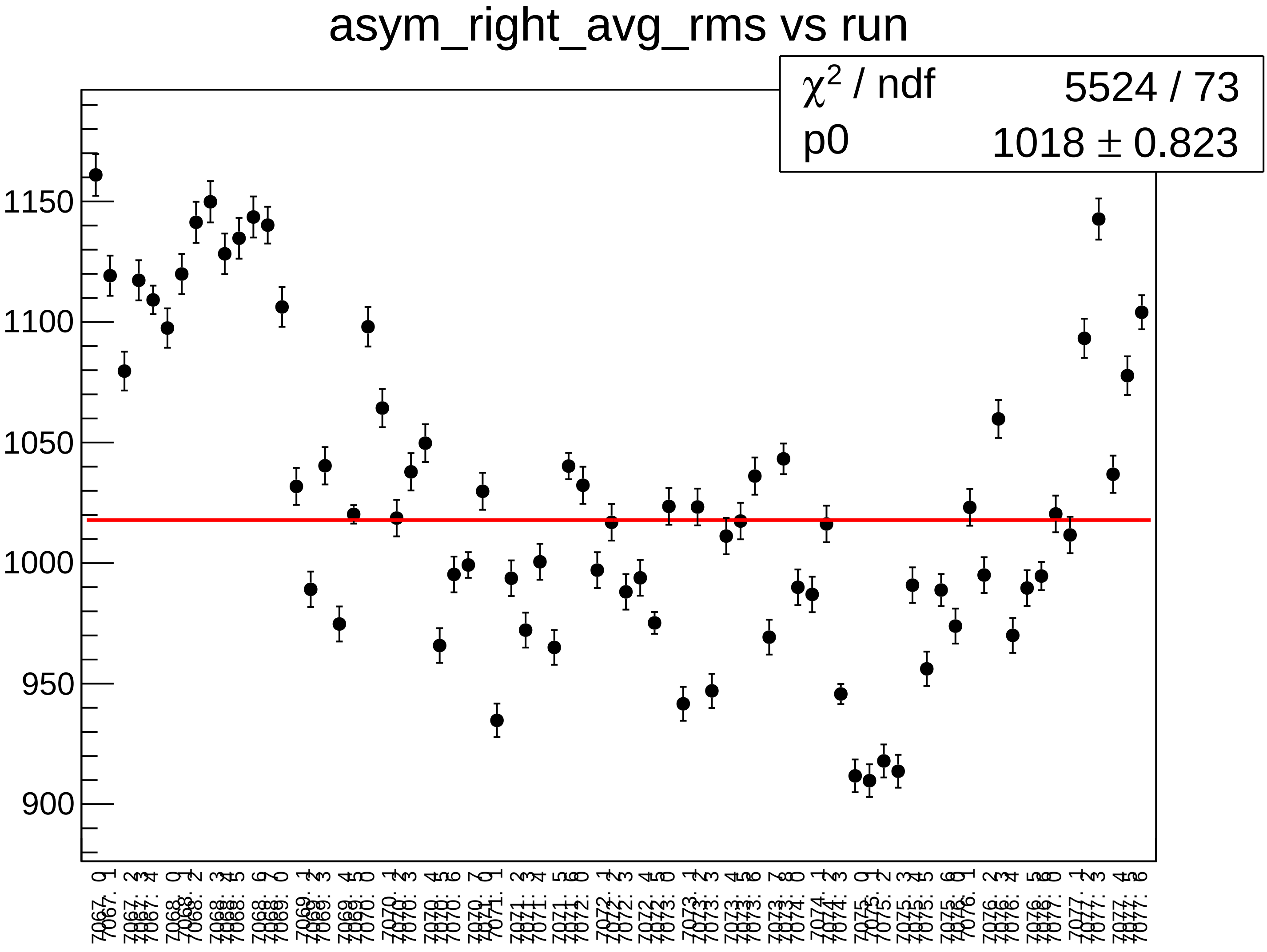


asym_right_avg_correction_mean vs run
χ^2 / ndf 73.23 / 73
p0 789.1 ± 974.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 74
Mean 23.15
Std Dev 45.58
pull1D
Entries 74
Mean 0.03005
Std Dev 0.9943

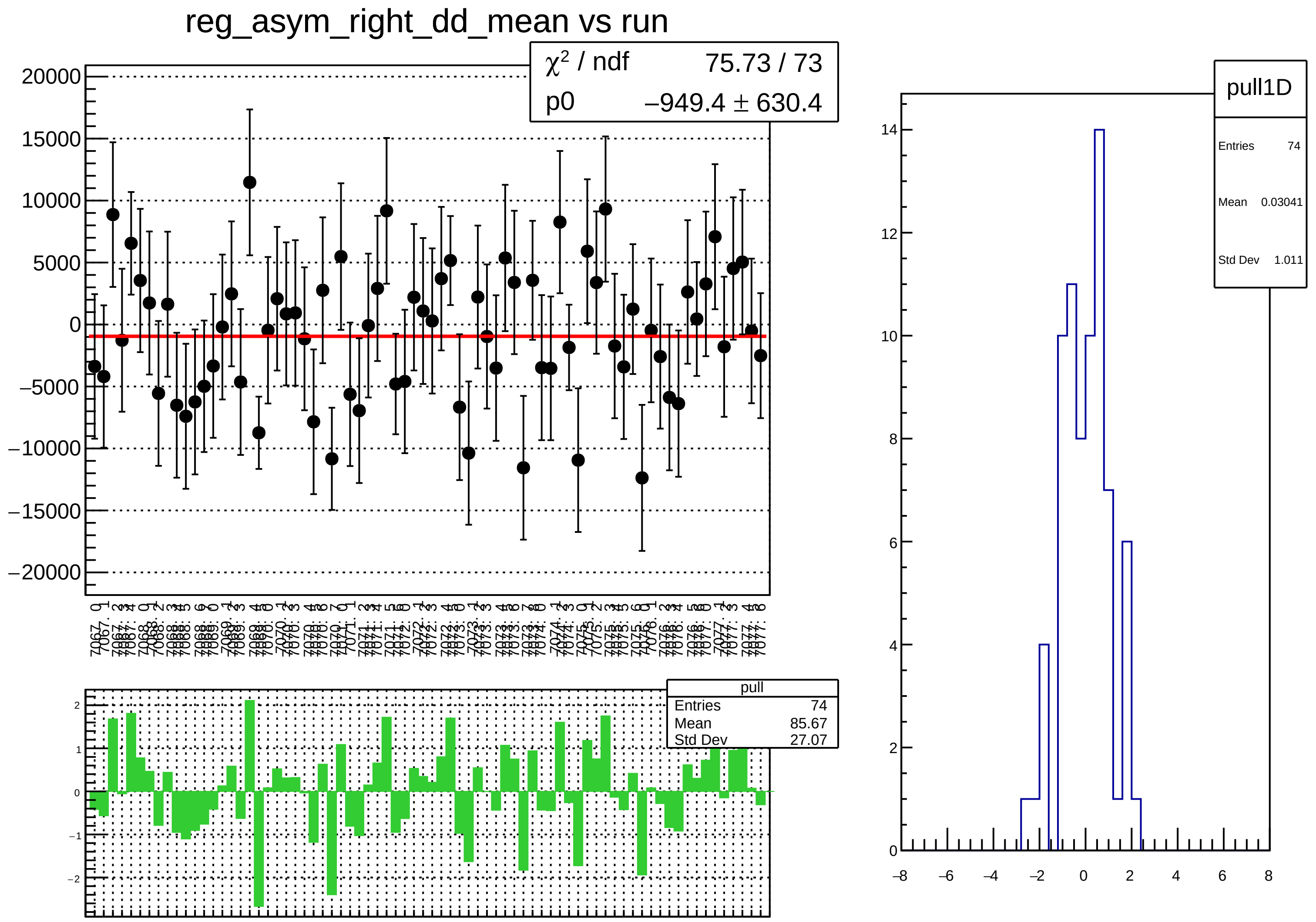

asym_right_avg_correction_rms vs run
χ^2 / ndf 1.093e+04 / 73
p0 850.9 ± 0.6892
1050
1000
950
900
850
800
750
700

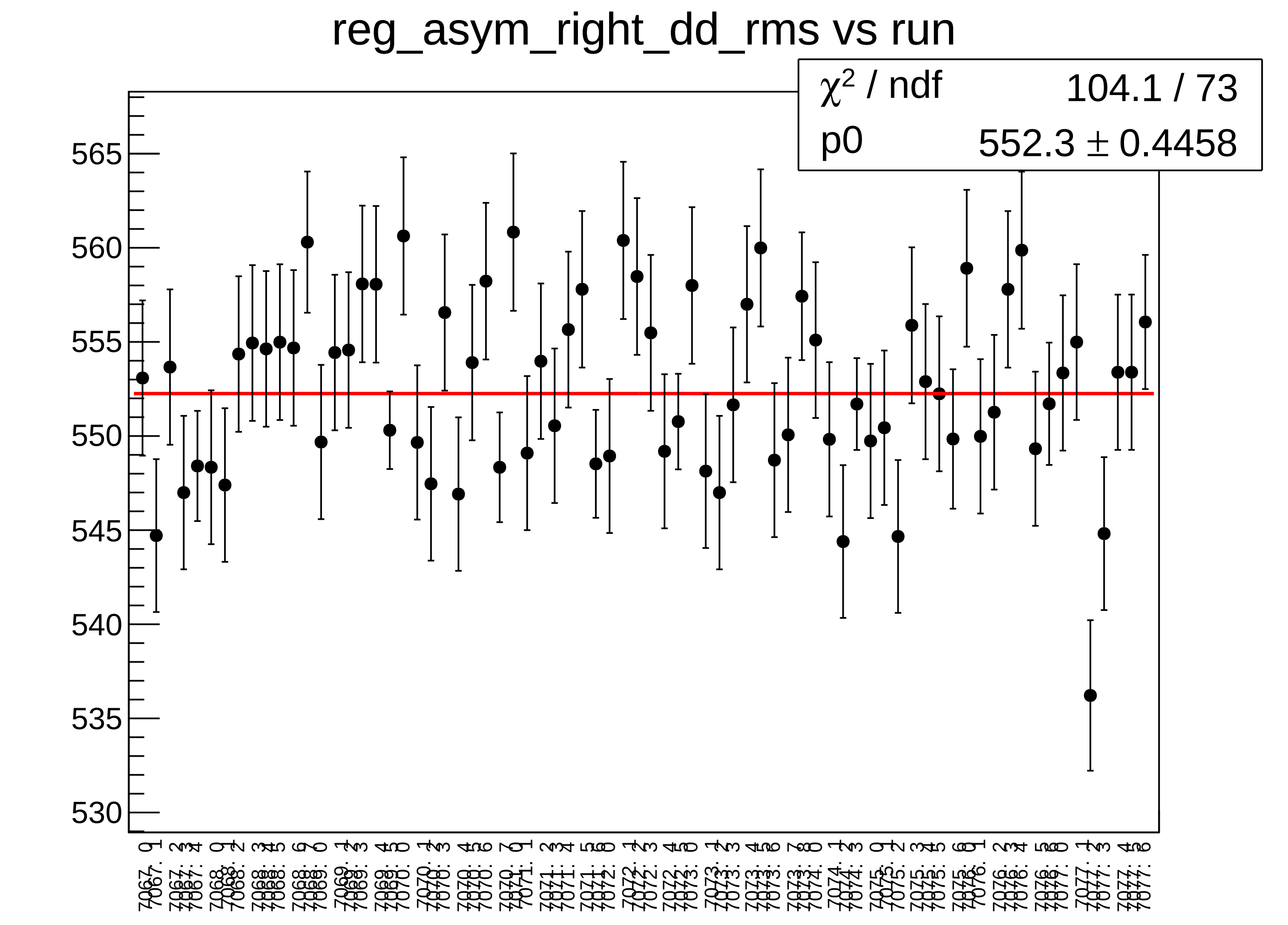

asym_right_avg_mean vs run
χ² / ndf 69.91 / 73
p0 −1746 ± 1164
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 74
Mean −34.81
Std Dev 48.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 74
Mean −0.01368
Std Dev 0.9719
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

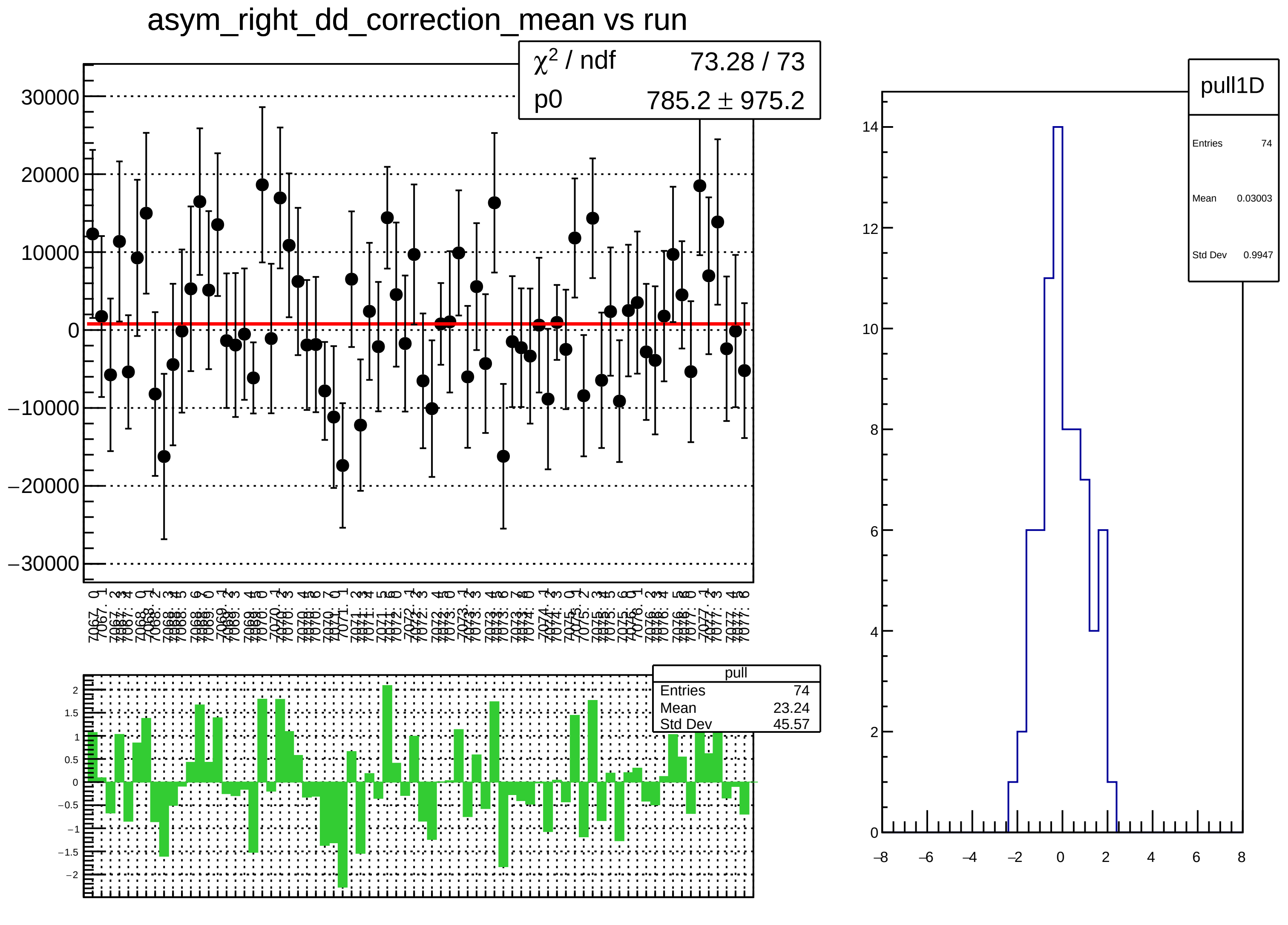


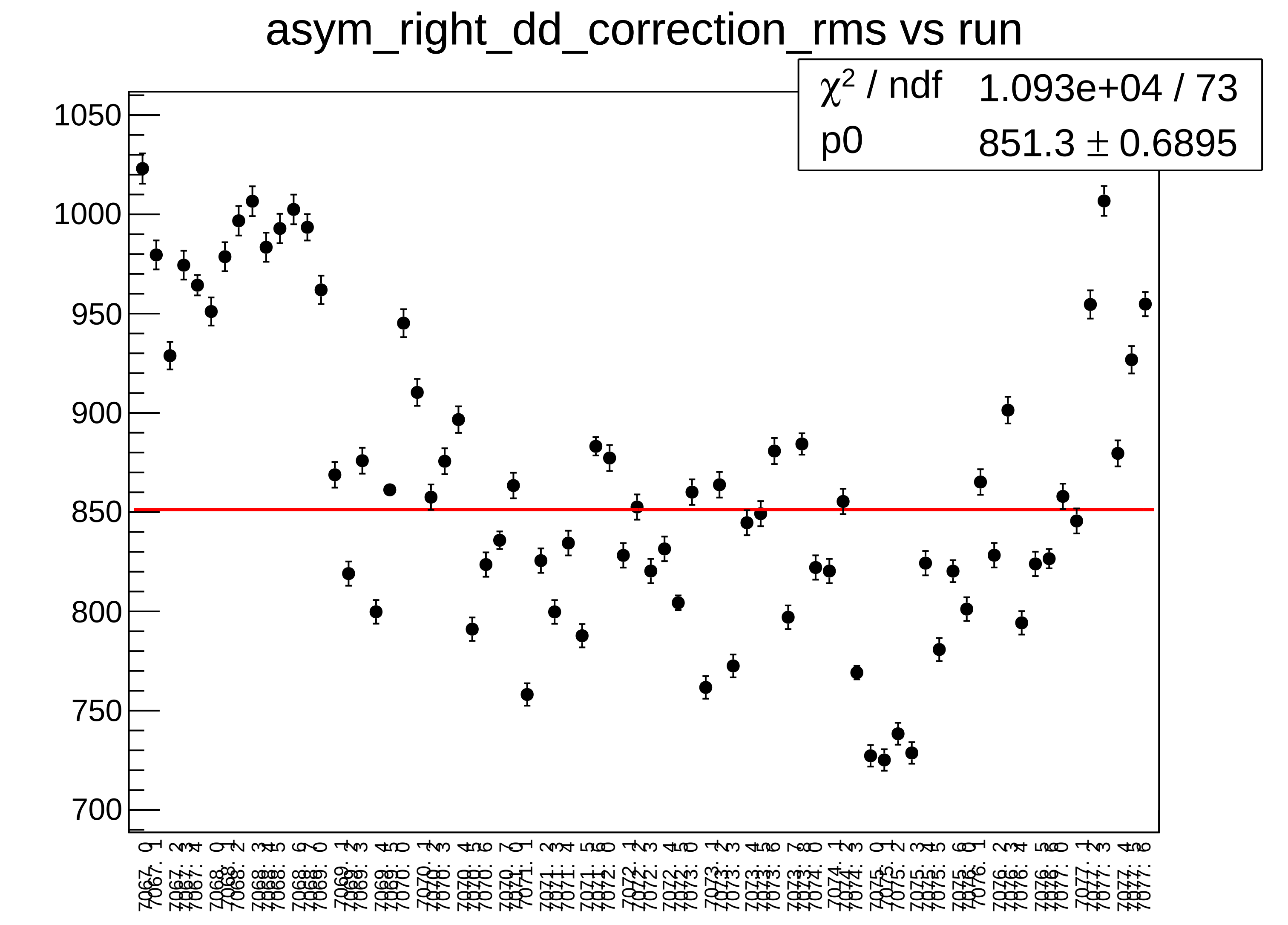
asym_right_avg_rms vs run
χ^2 / ndf 5524 / 73
p0 1018 ± 0.823
1150
1100
1050
1000
950
900

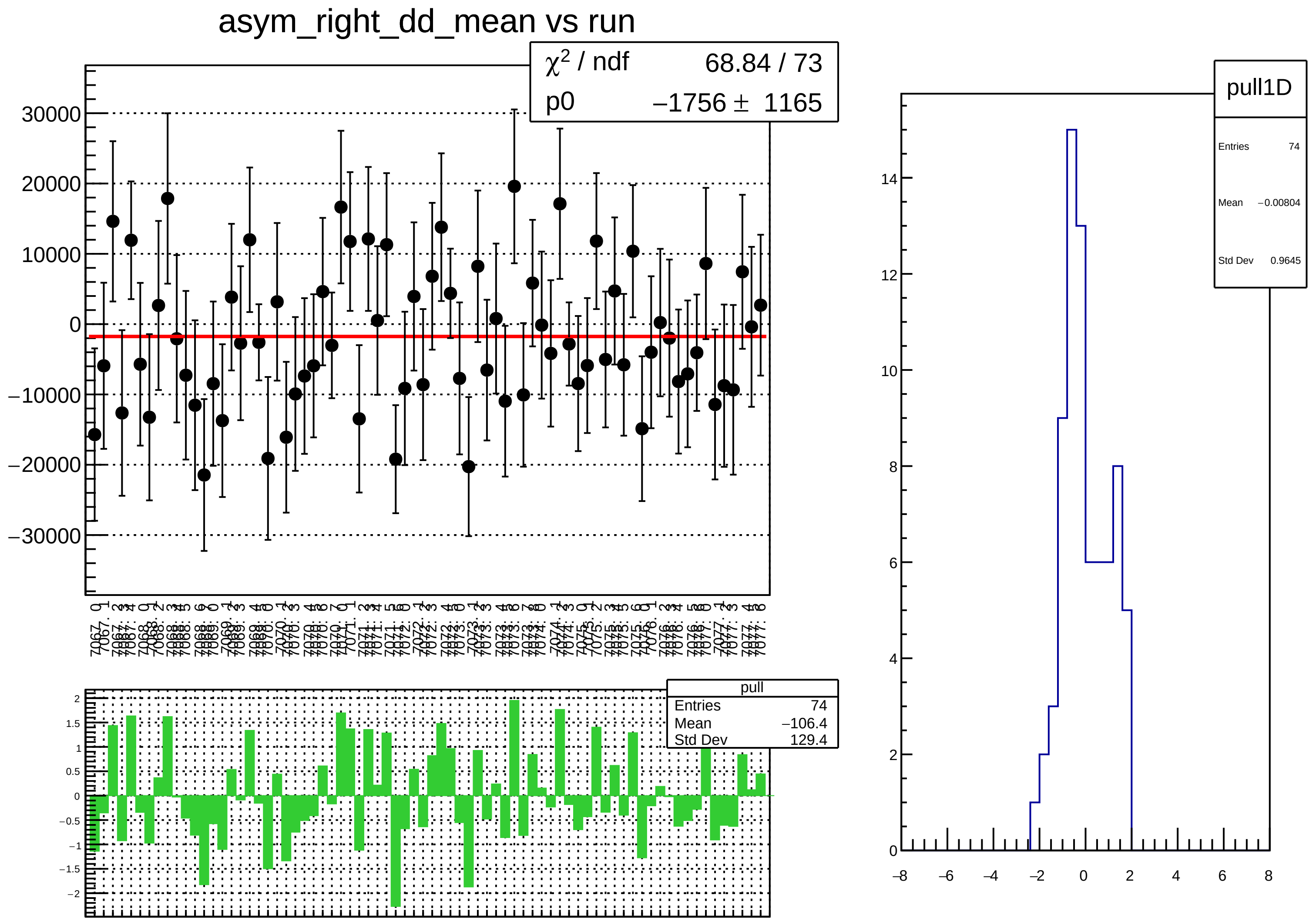

reg_asym_right_dd_mean vs run
χ^2 / ndf 75.73 / 73
p0 −949.4 ± 630.4
pull
Entries 74
Mean 85.67
Std Dev 27.07
pull1D
Entries 74
Mean 0.03041
Std Dev 1.011



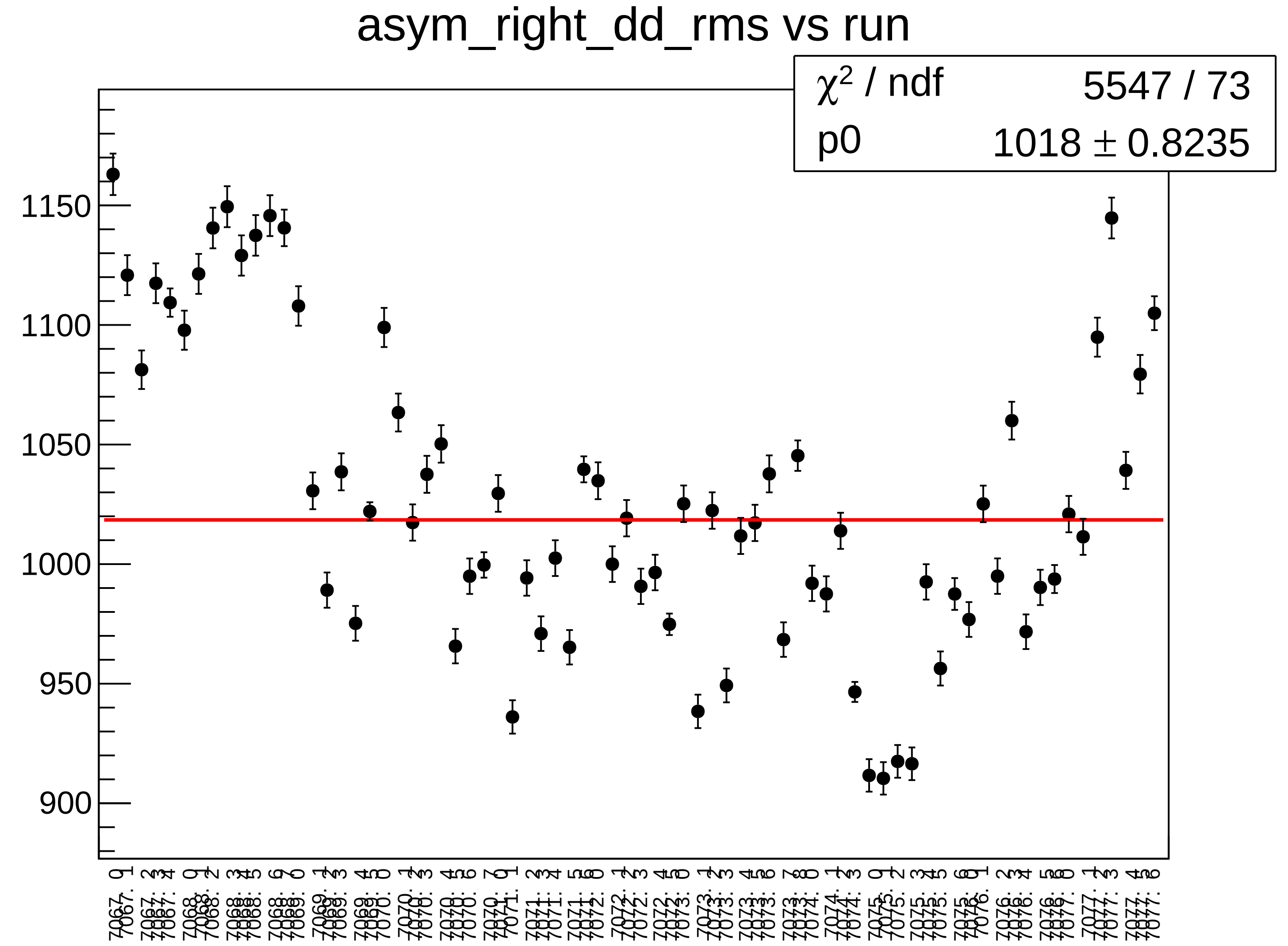
reg_asym_right_dd_rms vs run
χ2 / ndf 104.1 / 73
p0 552.3 ± 0.4458
565
560
555
550
545
540
535
530

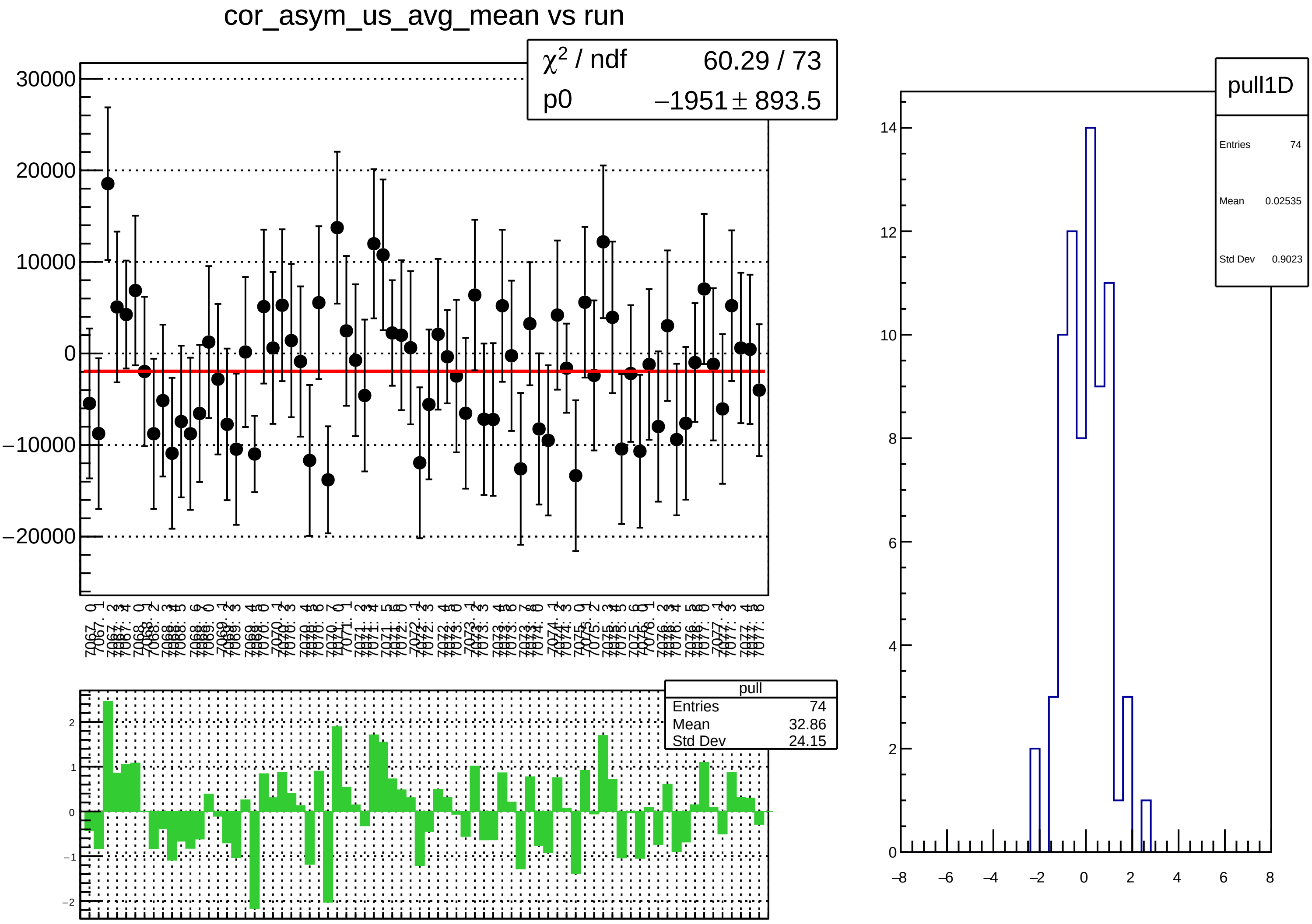

asym_right_dd_correction_mean vs run
χ2 / ndf 73.28 / 73
p0 785.2 ± 975.2
pull
Entries 74
Mean 23.24
Std Dev 45.57
pull1D
Entries 74
Mean 0.03003
Std Dev 0.9947

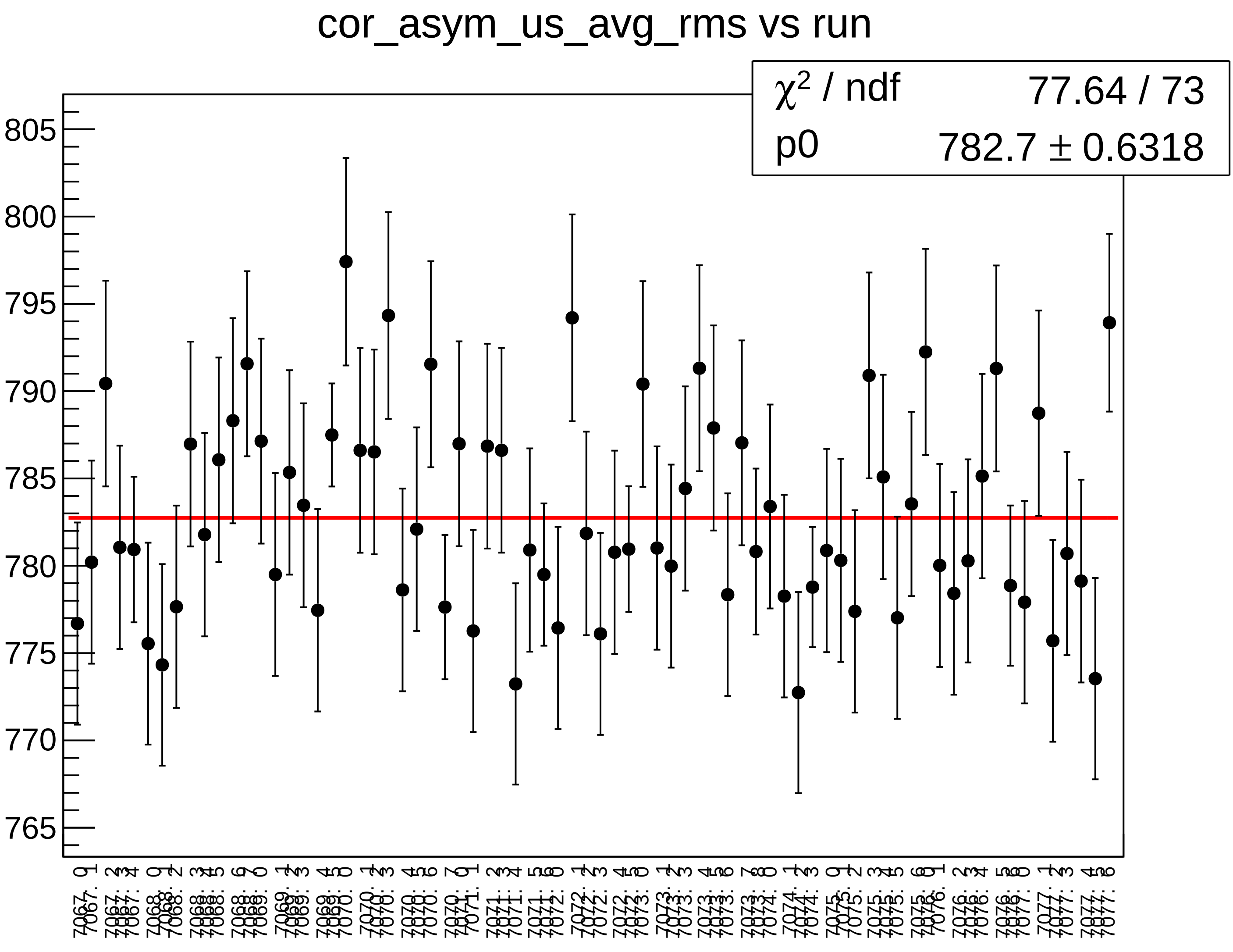

asym_right_dd_correction_rms vs run
χ² / ndf 1.093e+04 / 73
p0 851.3 ± 0.6895
1050
1000
950
900
850
800
750
700

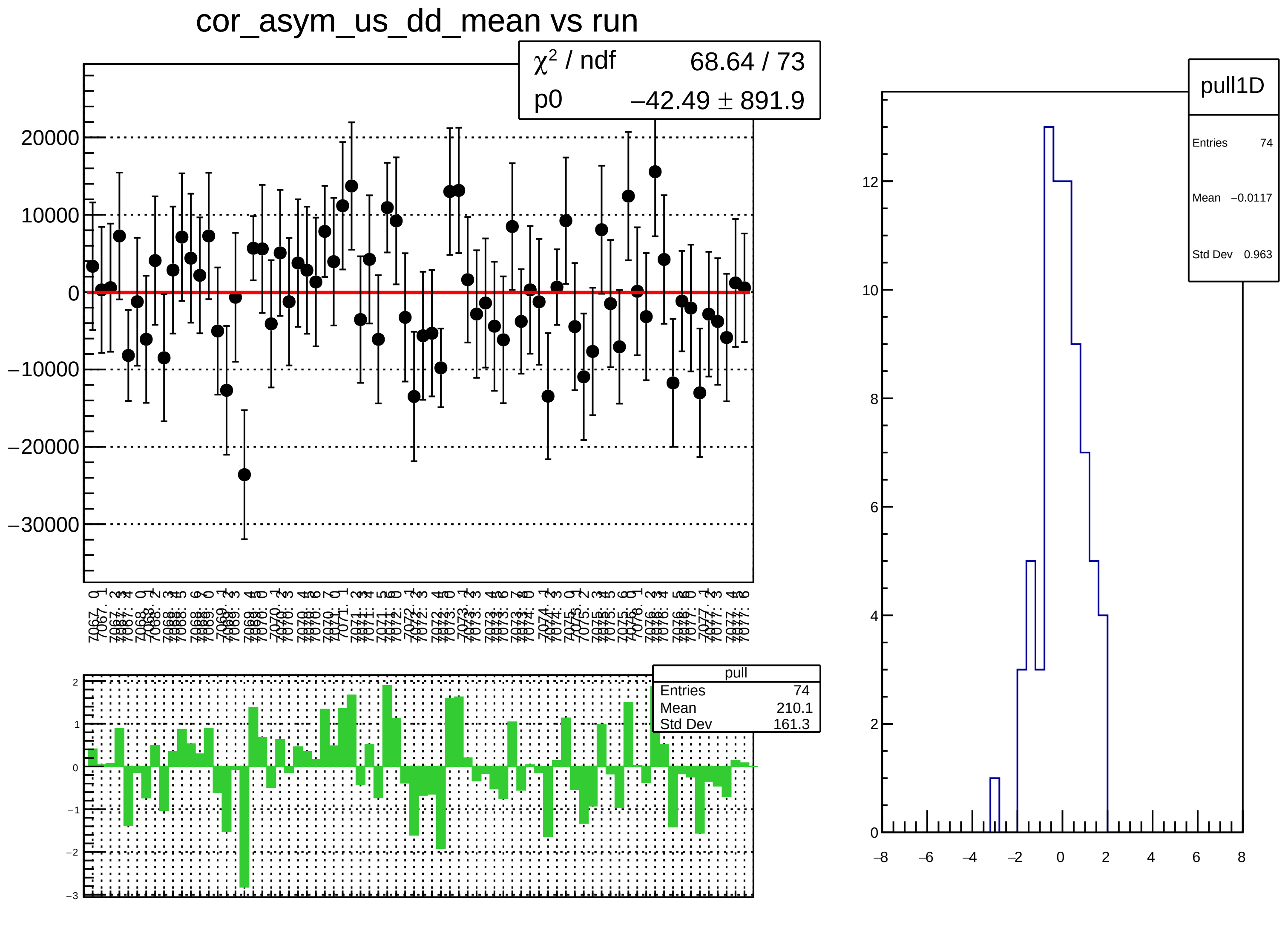


asym_right_dd_mean vs run
χ^2 / ndf 68.84 / 73
p0 −1756 ± 1165
pull
Entries 74
Mean −106.4
Std Dev 129.4
pull1D
Entries 74
Mean −0.00804
Std Dev 0.9645

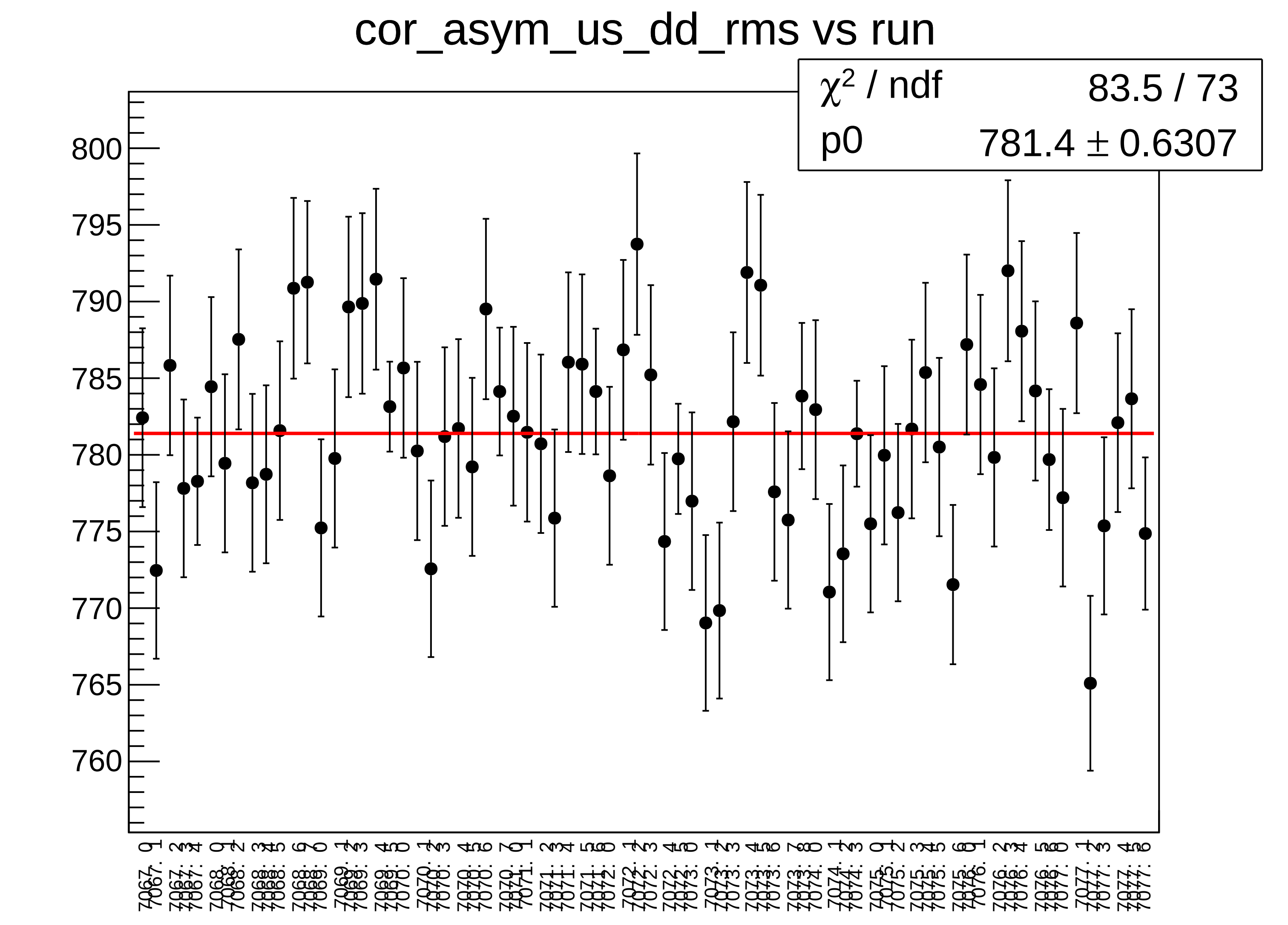

asym_right_dd_rms vs run
χ2 / ndf 5547 / 73
p0 1018 ± 0.8235
1150
1100
1050
1000
950
900


cor_asym_us_avg_mean vs run
χ^2 / ndf 60.29 / 73
p0 −1951 ± 893.5
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 32.86
Std Dev 24.15
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.02535
Std Dev 0.9023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

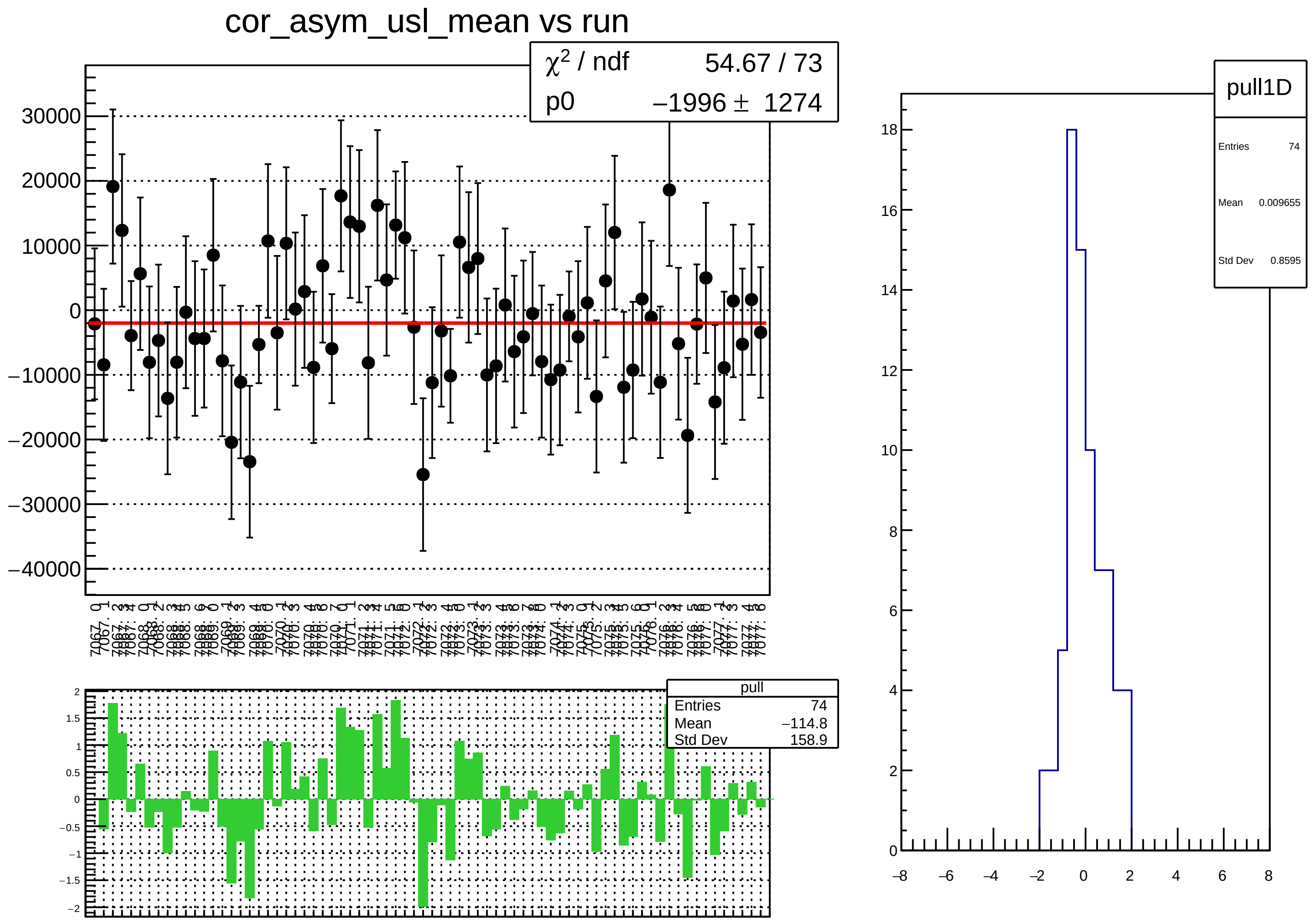

cor_asym_us_avg_rms vs run
χ2 / ndf 77.64 / 73
p0 782.7 ± 0.6318
805
800
795
790
785
780
775
770
765

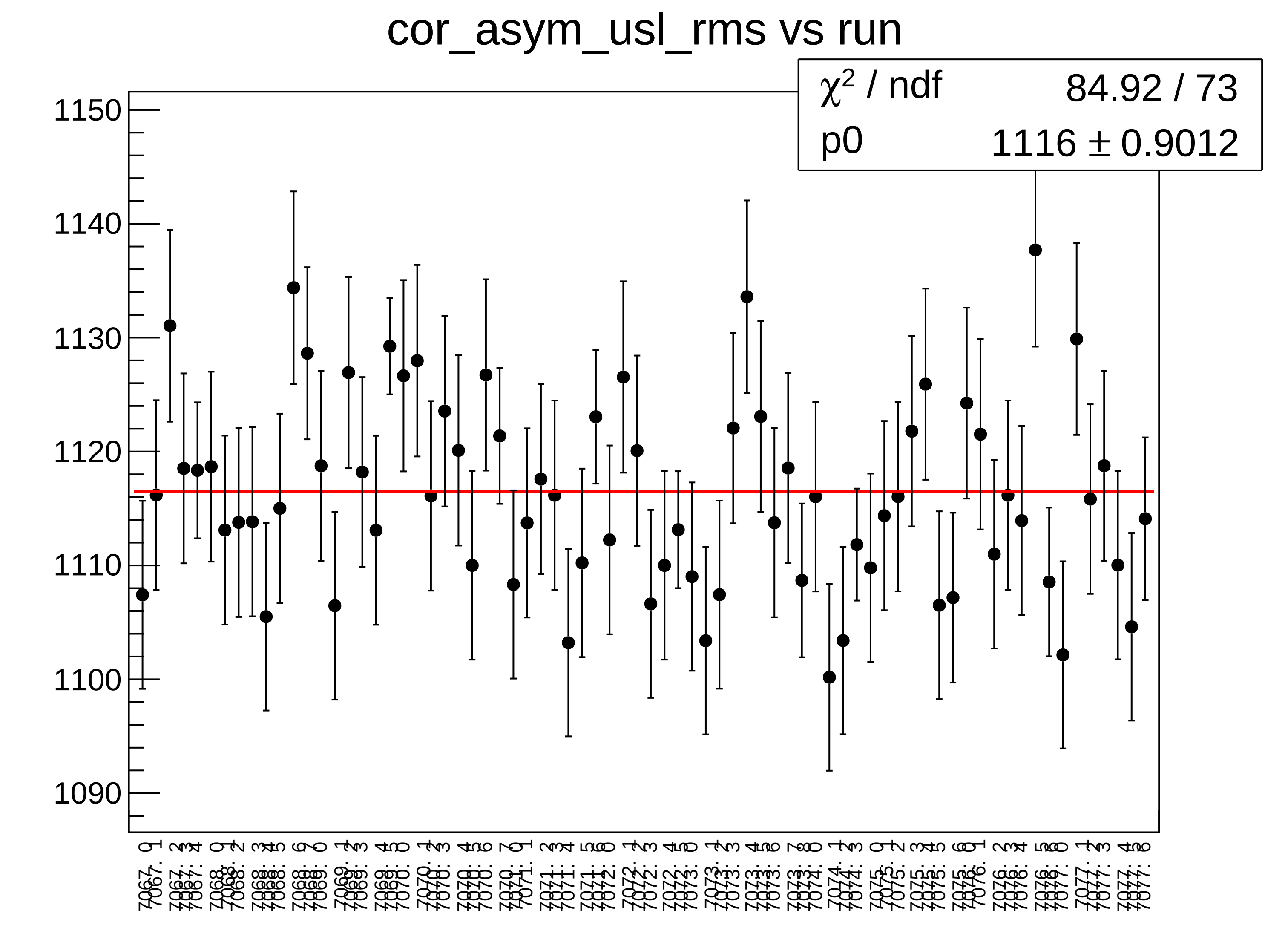


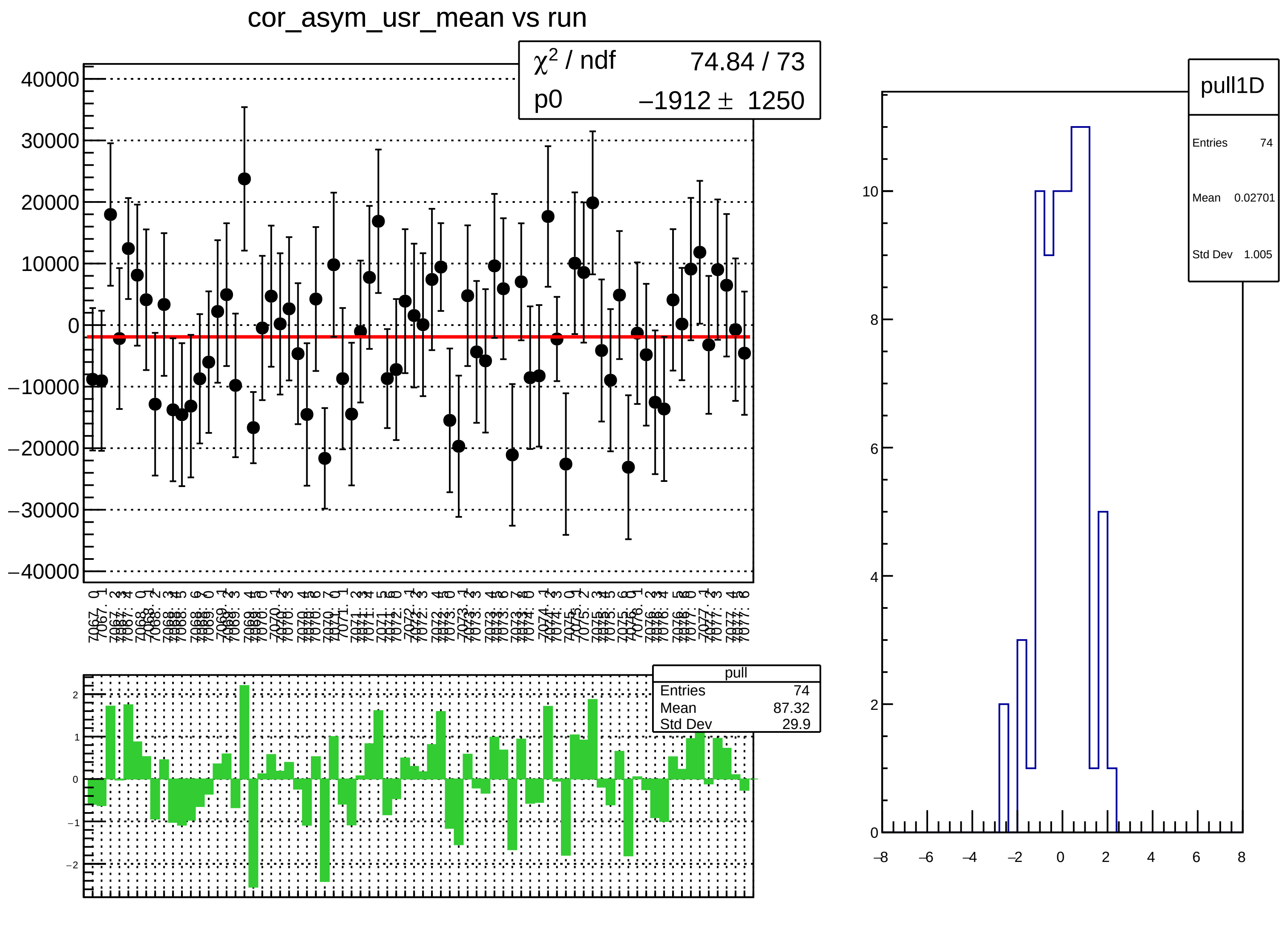
cor_asym_us_dd_mean vs run
χ2 / ndf 68.64 / 73
p0 −42.49 ± 891.9
pull
Entries 74
Mean 210.1
Std Dev 161.3
pull1D
Entries 74
Mean −0.0117
Std Dev 0.963

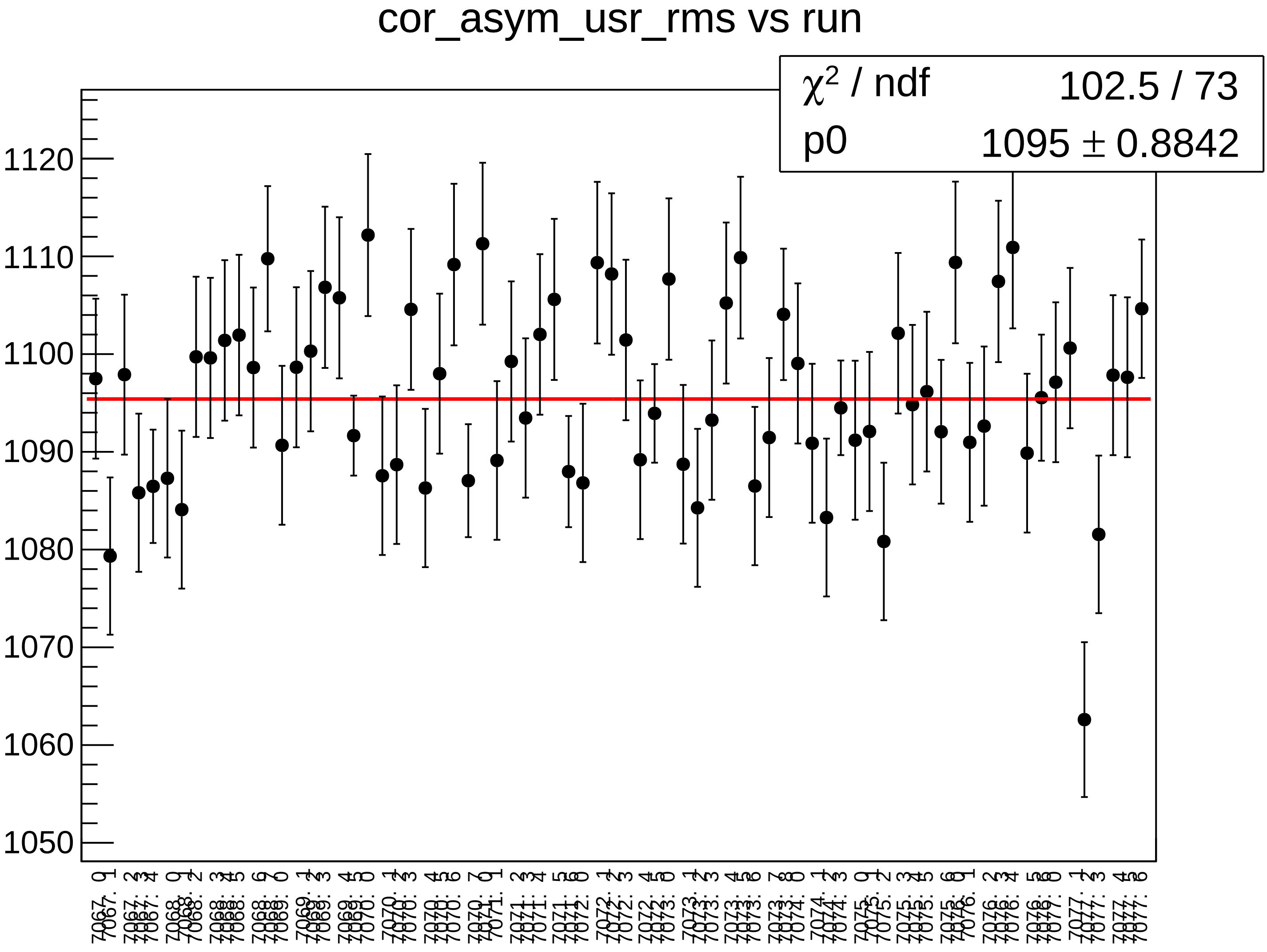


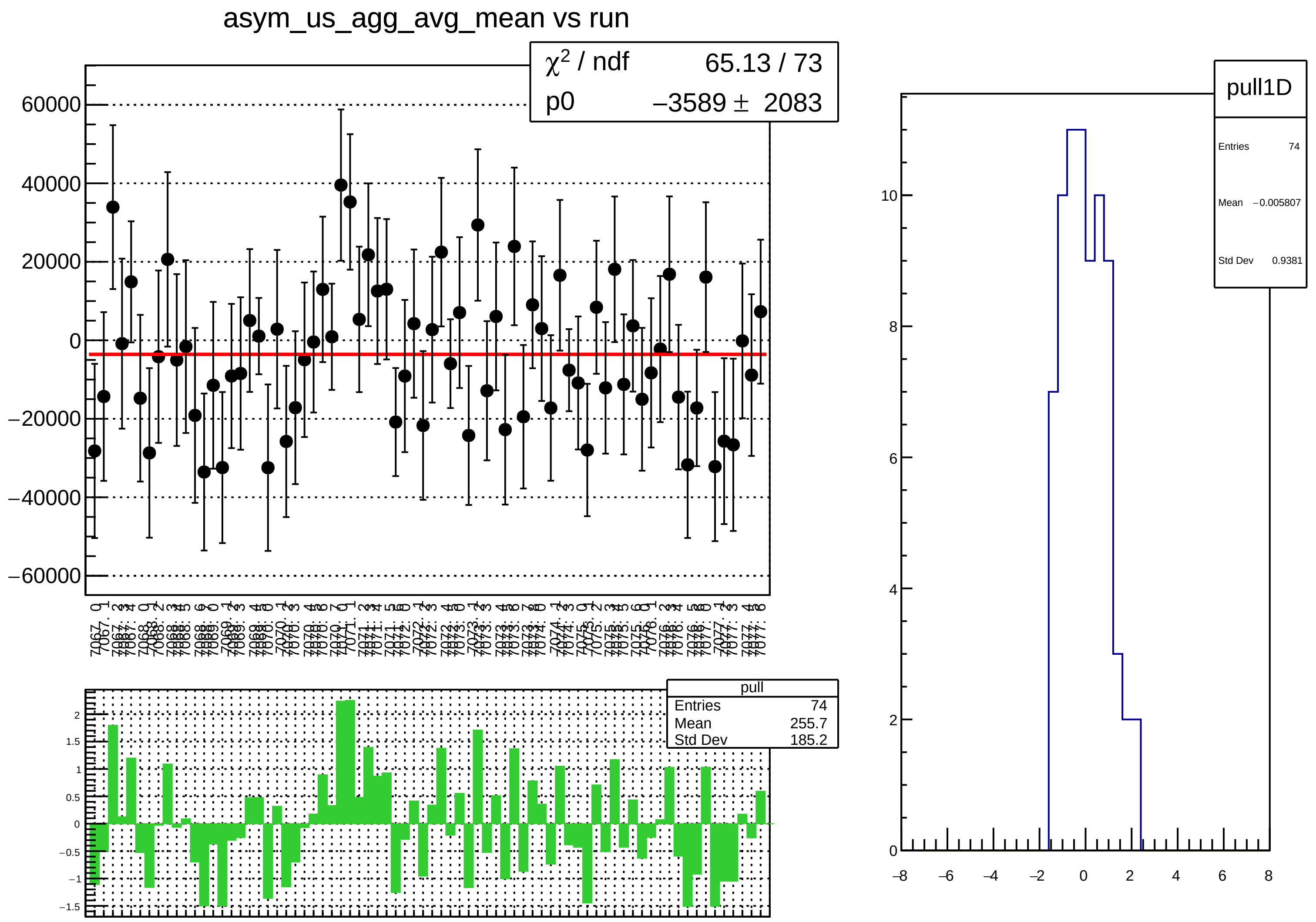
cor_asym_us_dd_rms vs run
χ2 / ndf 83.5 / 73
p0 781.4 ± 0.6307
800
795
790
785
780
775
770
765
760


cor_asym_usl_mean vs run
χ^2 / ndf 54.67 / 73
p0 −1996 ± 1274
pull
Entries 74
Mean −114.8
Std Dev 158.9
pull1D
Entries 74
Mean 0.009655
Std Dev 0.8595

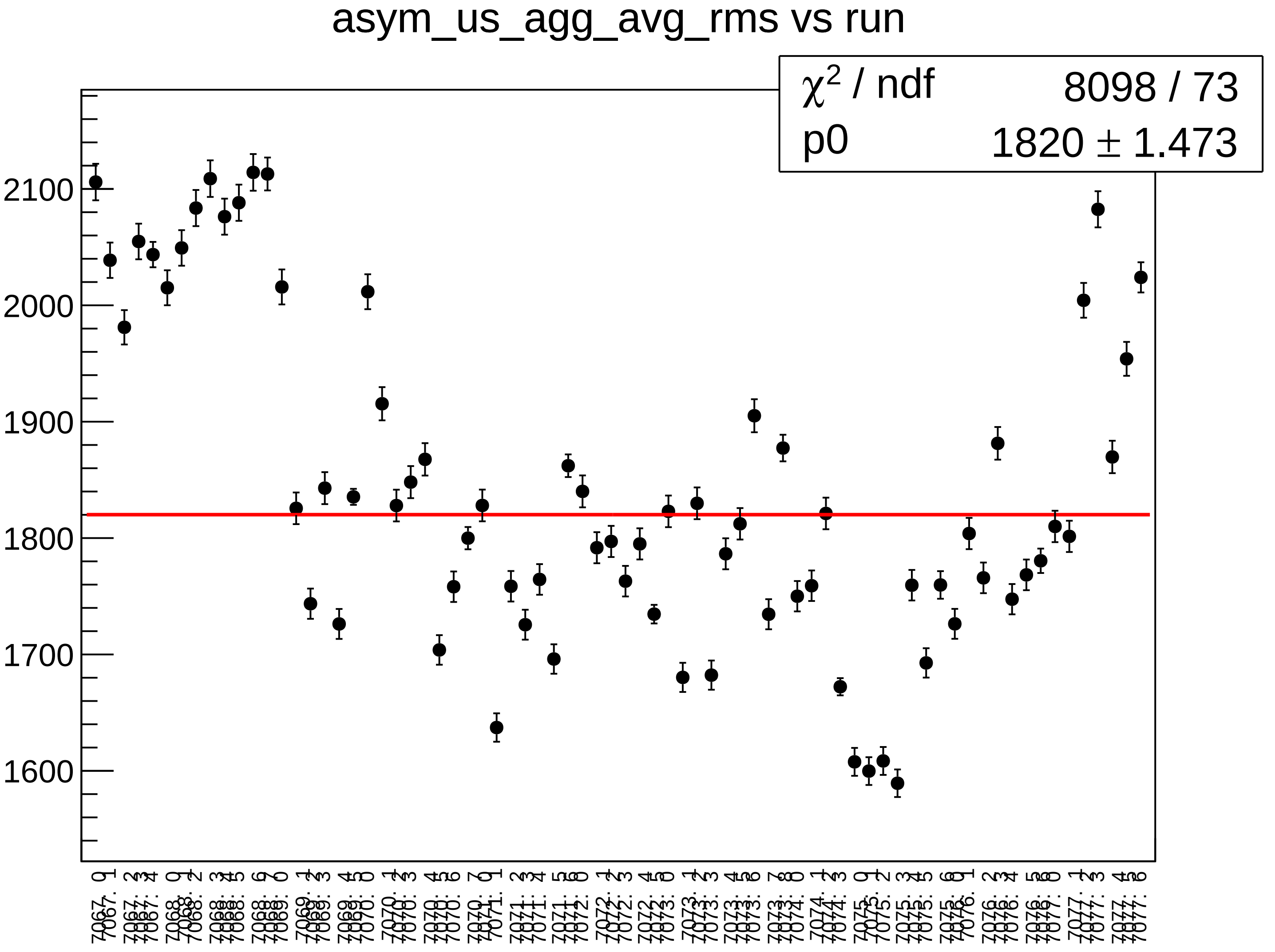

cor_asym_usl_rms vs run
χ2 / ndf 84.92 / 73
p0 1116 ± 0.9012
1150
1140
1130
1120
1110
1100
1090


cor_asym_usr_mean vs run
χ^2 / ndf 74.84 / 73
p0 −1912 ± 1250
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 74
Mean 87.32
Std Dev 29.9
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.02701
Std Dev 1.005
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

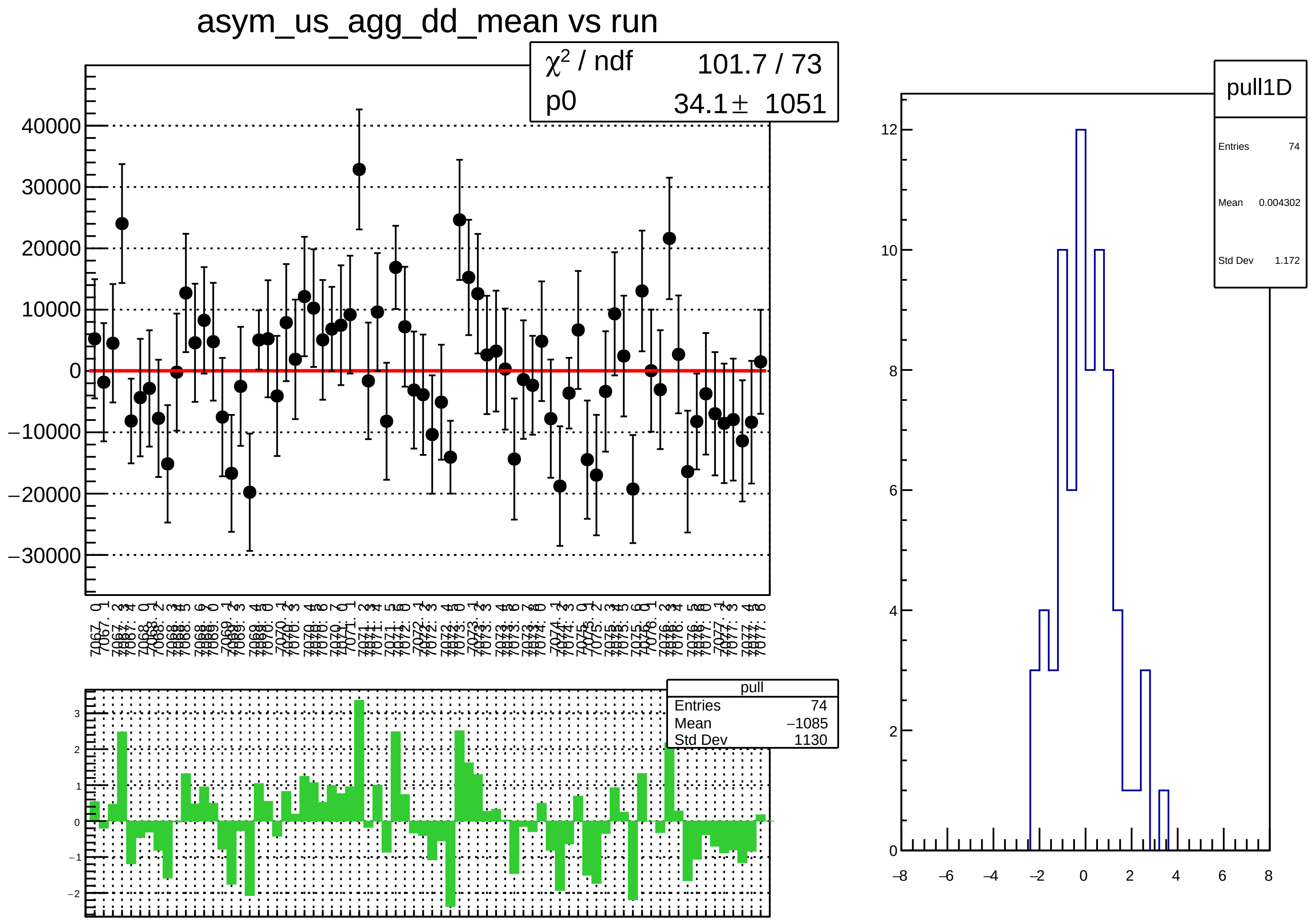

cor_asym_usr_rms vs run
χ2 / ndf 102.5 / 73
p0 1095 ± 0.8842
1120
1110
1100
1090
1080
1070
1060
1050

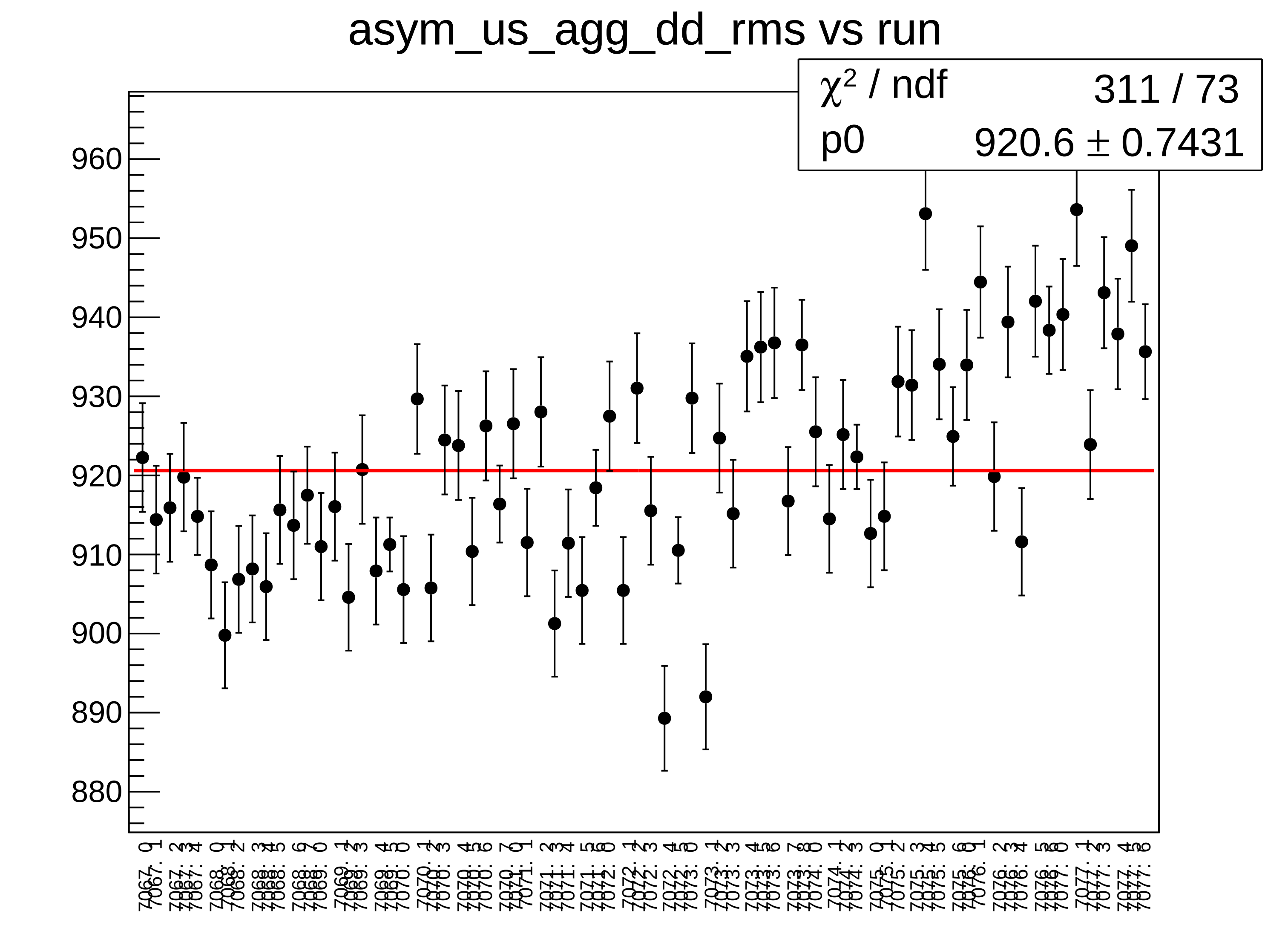


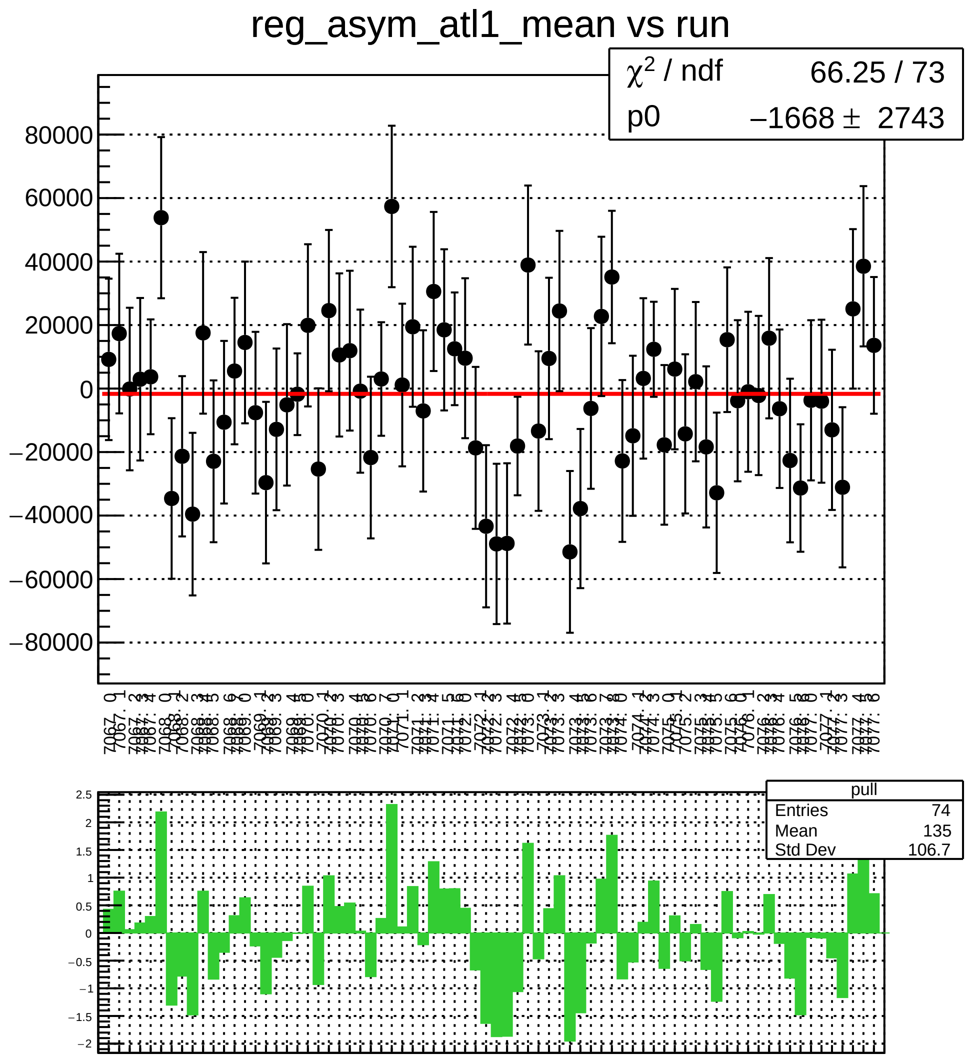
asym_us_agg_avg_mean vs run
χ^2 / ndf 65.13 / 73
p0 −3589 ± 2083
pull
Entries 74
Mean 255.7
Std Dev 185.2
pull1D
Entries 74
Mean −0.005807
Std Dev 0.9381

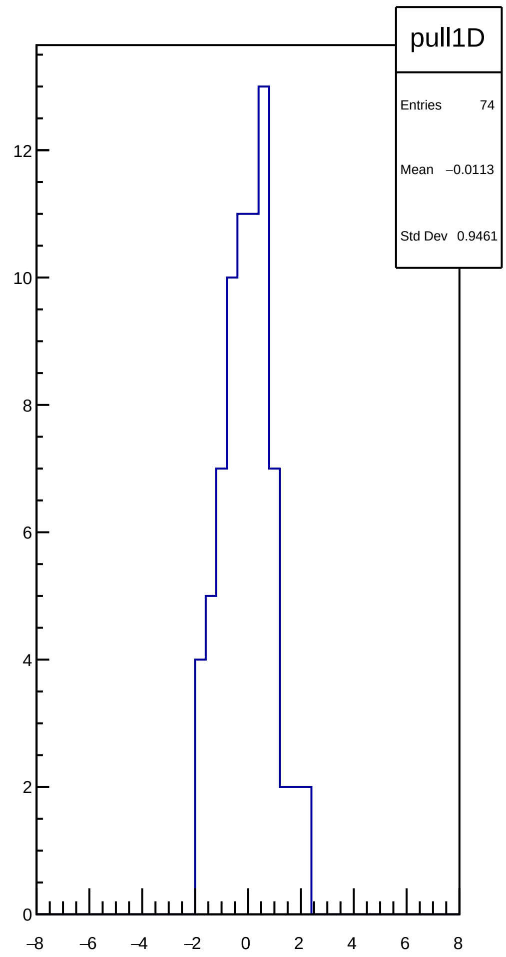


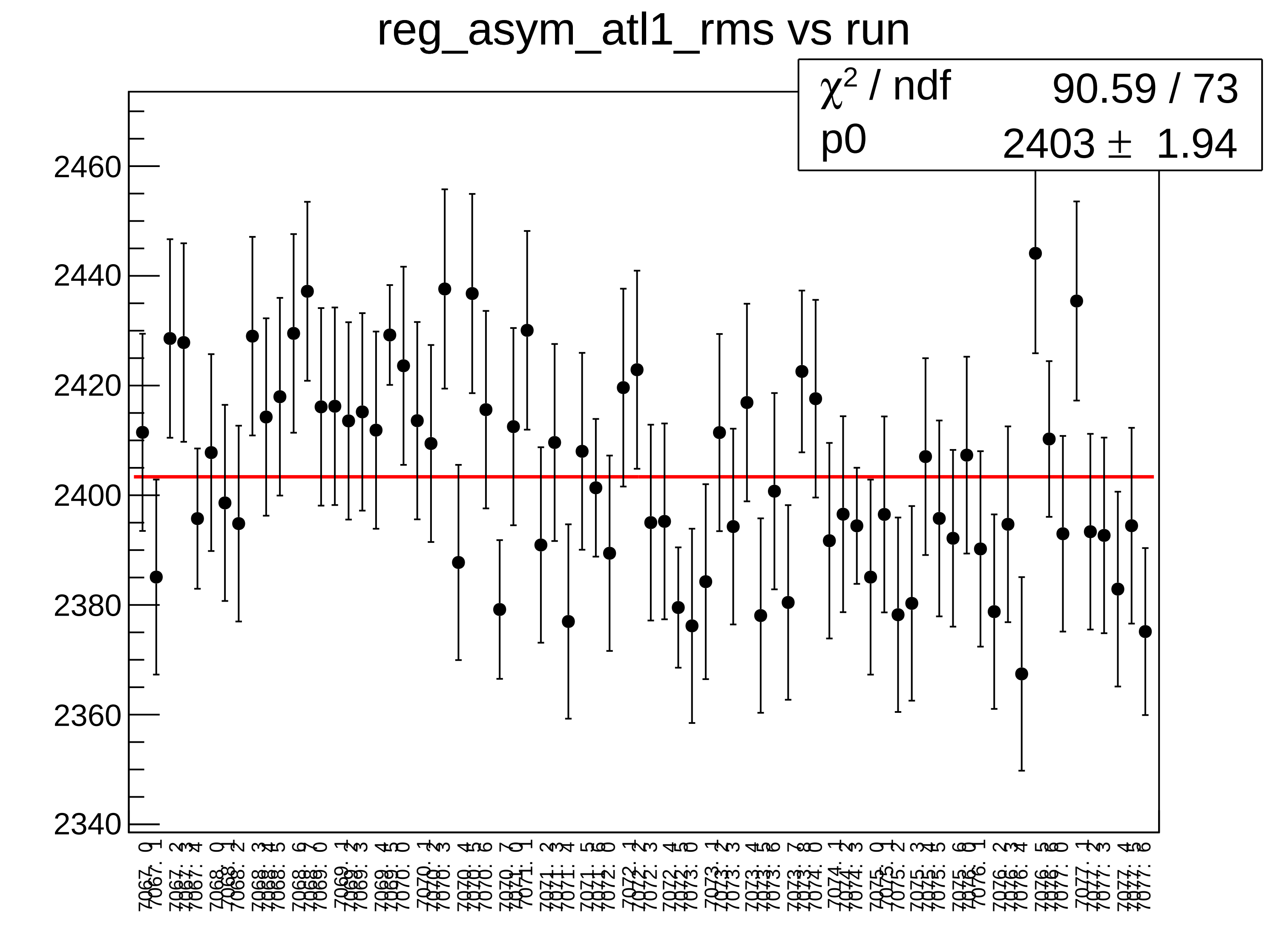
asym_us_agg_avg_rms vs run
χ^2 / ndf 8098 / 73
p0 1820 ± 1.473
2100
2000
1900
1800
1700
1600


asym_us_agg_dd_mean vs run
χ^2 / ndf 101.7 / 73
p0 34.1 ± 1051
pull
Entries 74
Mean −1085
Std Dev 1130
pull1D
Entries 74
Mean 0.004302
Std Dev 1.172

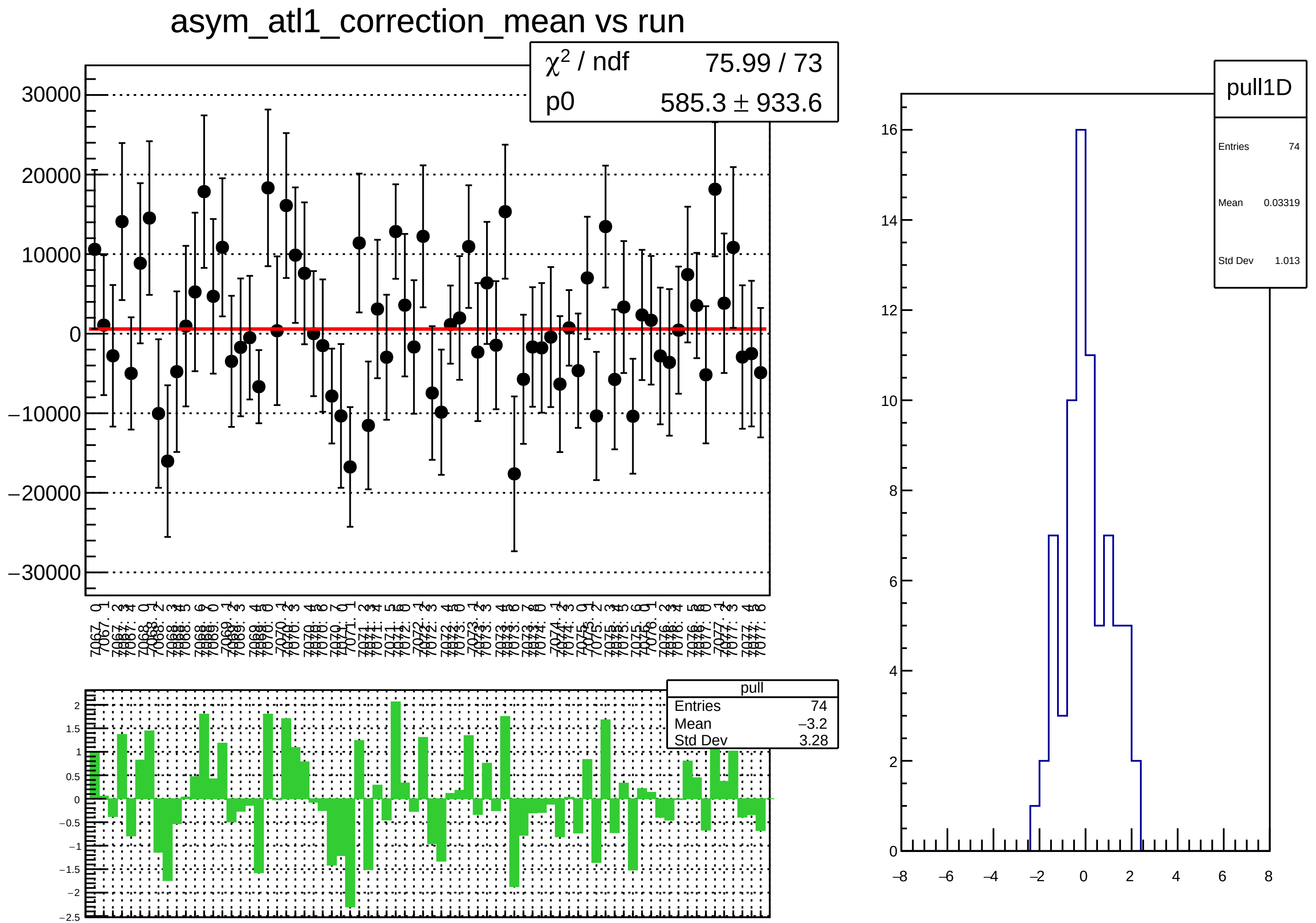

asym_us_agg_dd_rms vs run
χ² / ndf 311 / 73
p0 920.6 ± 0.7431
960
950
940
930
920
910
900
890
880


reg_asym_atl1_mean vs run
χ^2 / ndf 66.25 / 73
p0 −1668 ± 2743
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 74
Mean 135
Std Dev 106.7

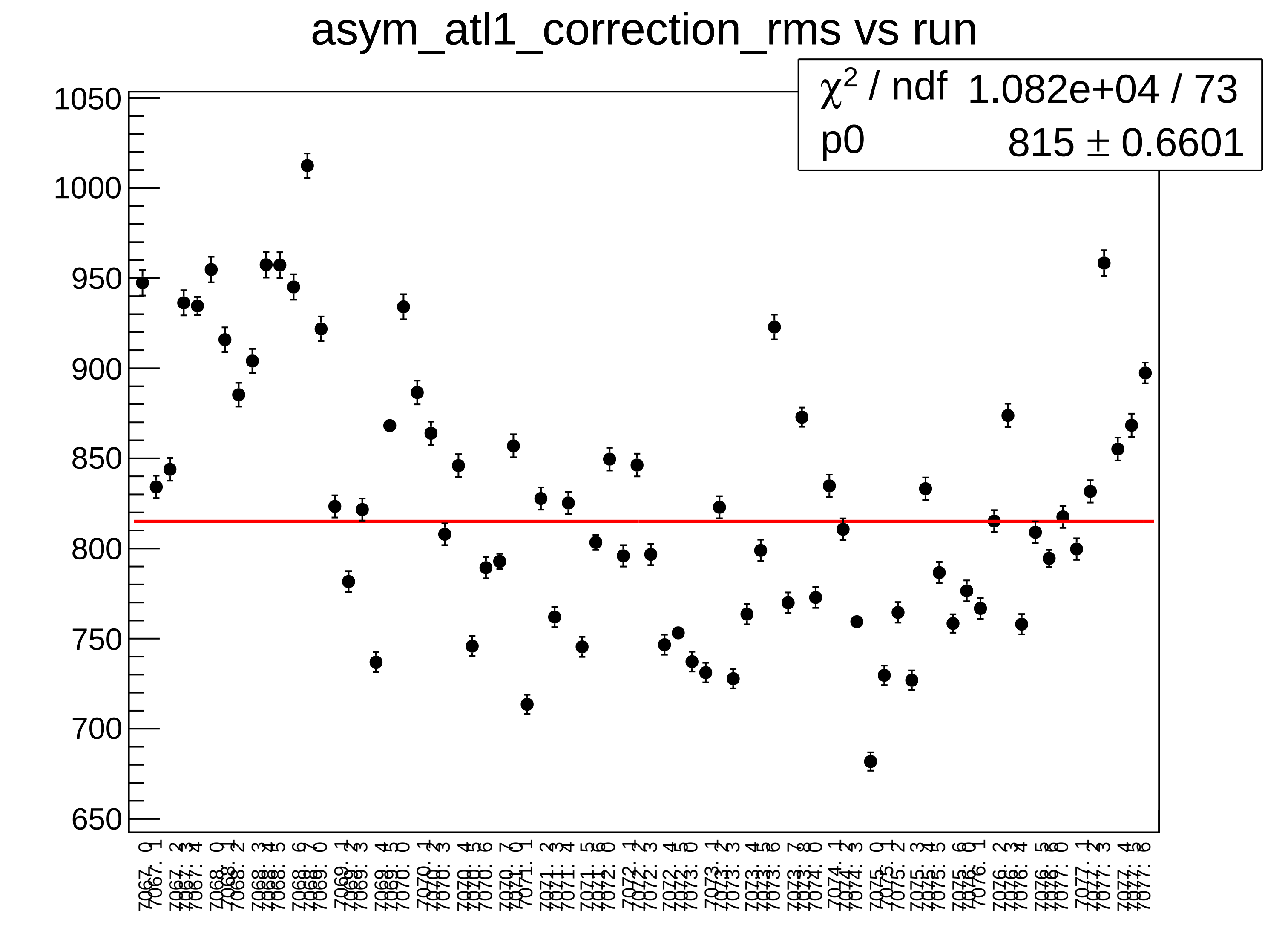

pull1D
Entries 74
Mean −0.0113
Std Dev 0.9461

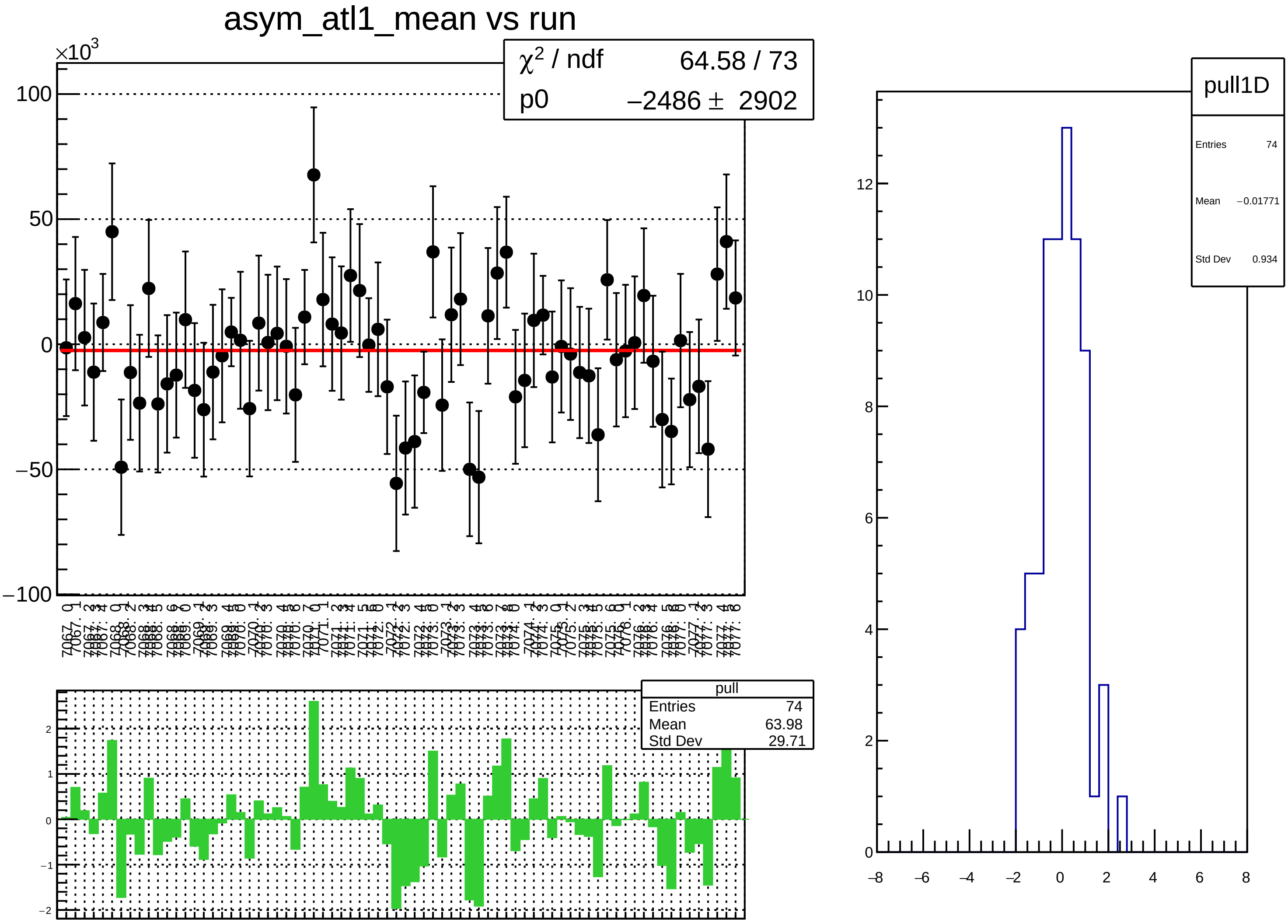


reg_asym_atl1_rms vs run
χ^2 / ndf 90.59 / 73
p0 2403 ± 1.94
2460
2440
2420
2400
2380
2360
2340

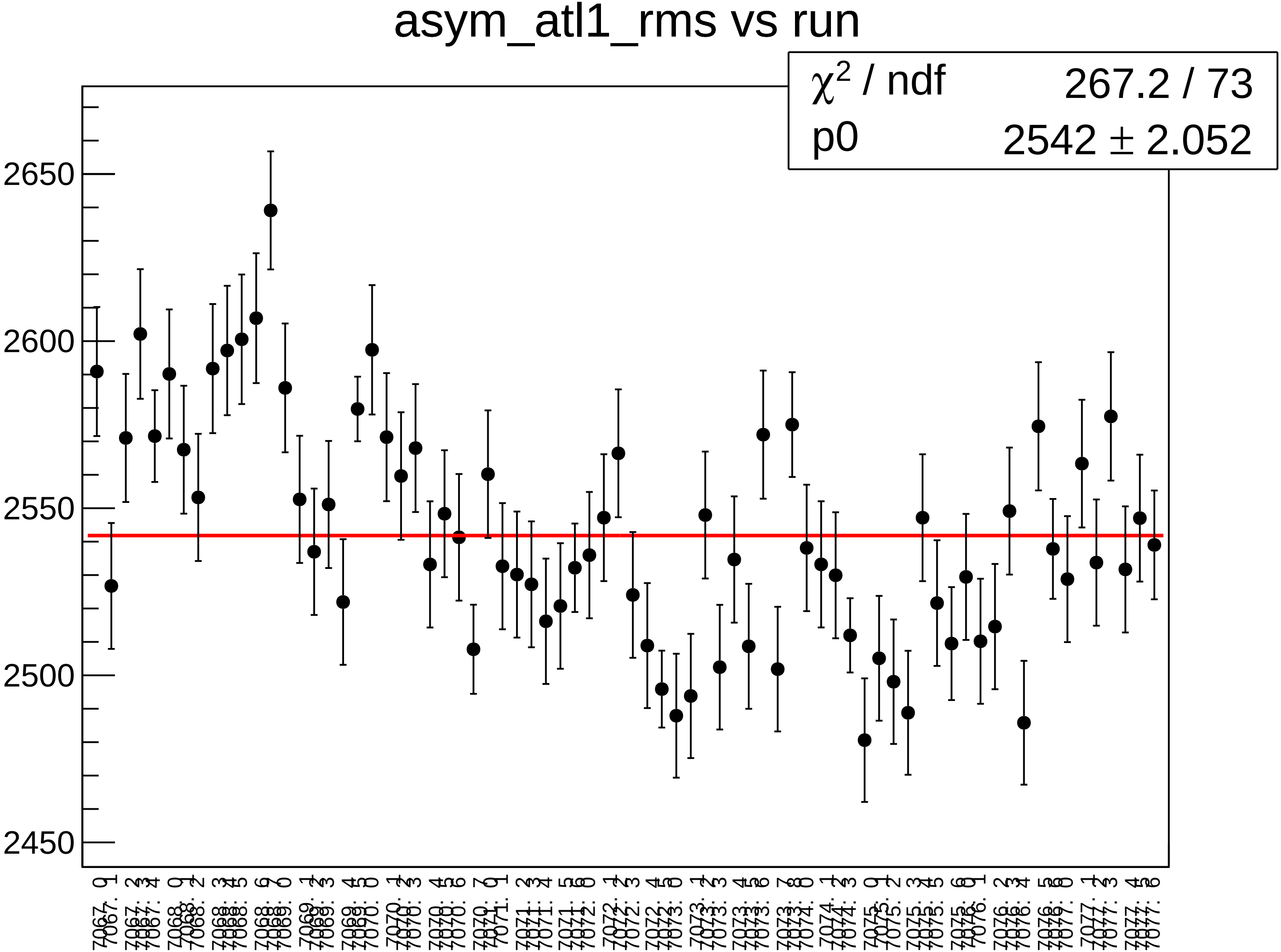


asym_atl1_correction_mean vs run
χ^2 / ndf 75.99 / 73
p0 585.3 ± 933.6
pull
Entries 74
Mean −3.2
Std Dev 3.28
pull1D
Entries 74
Mean 0.03319
Std Dev 1.013

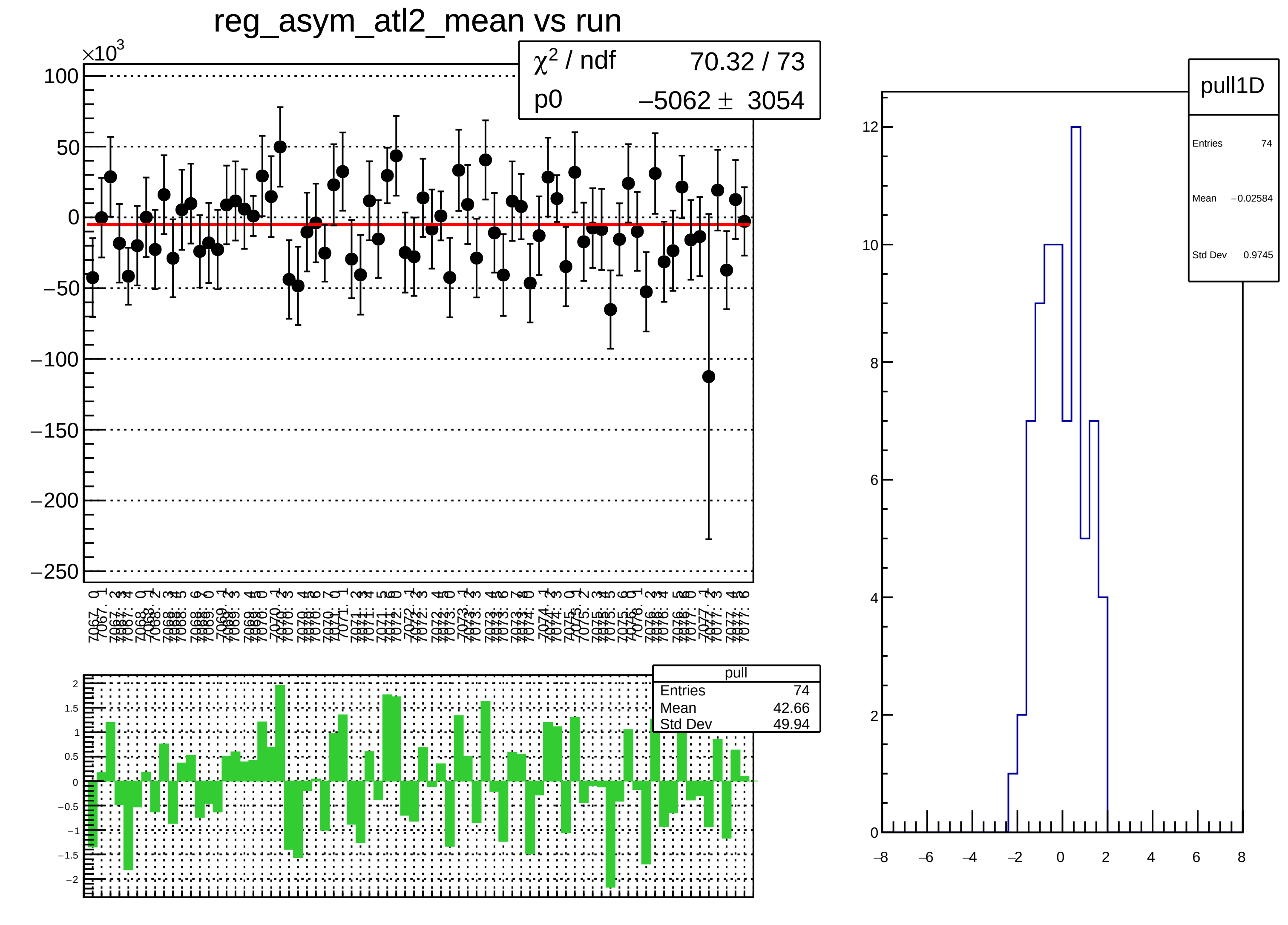

asym_atl1_correction_rms vs run
χ2 / ndf 1.082e+04 / 73
p0 815 ± 0.6601

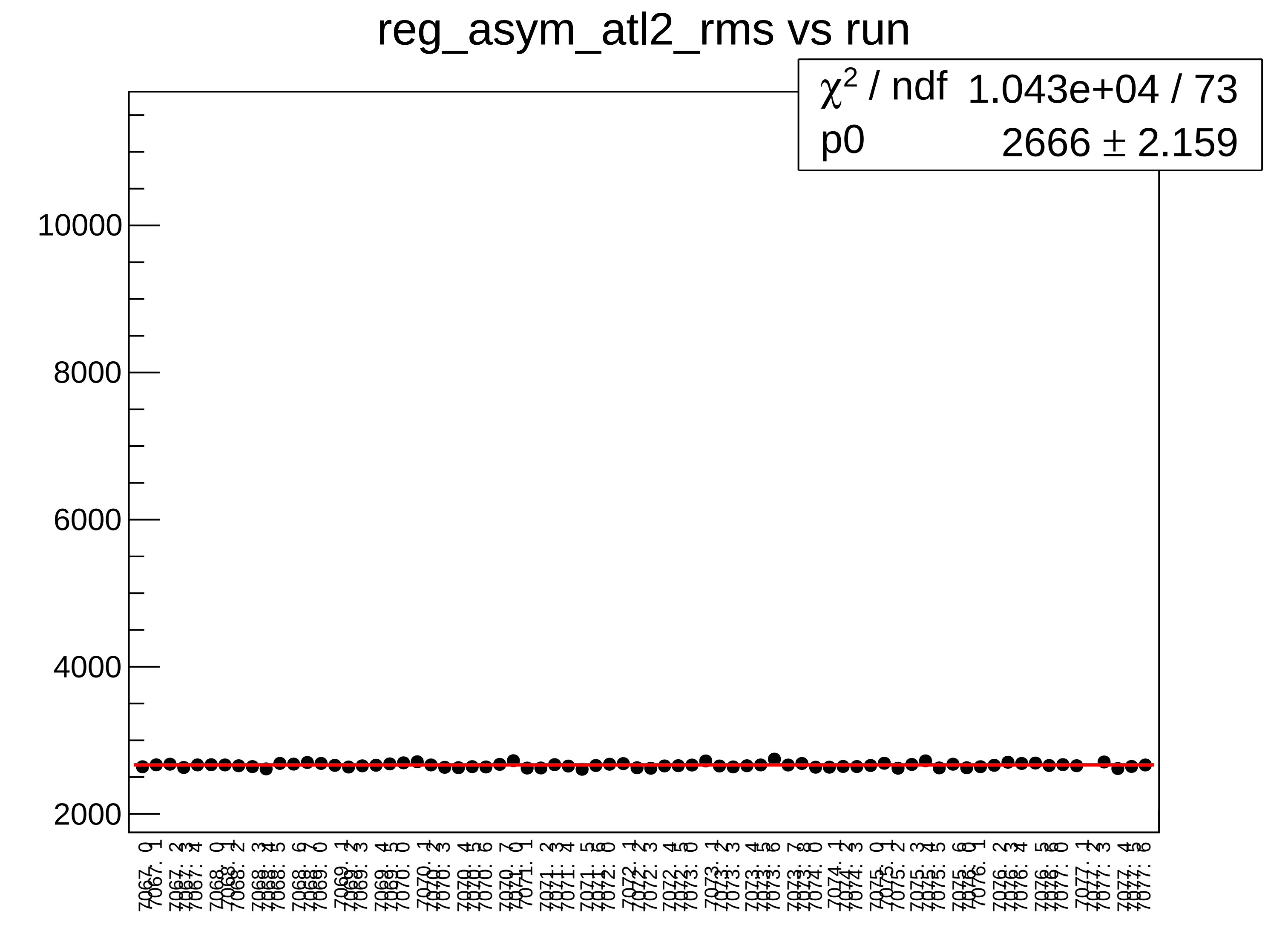


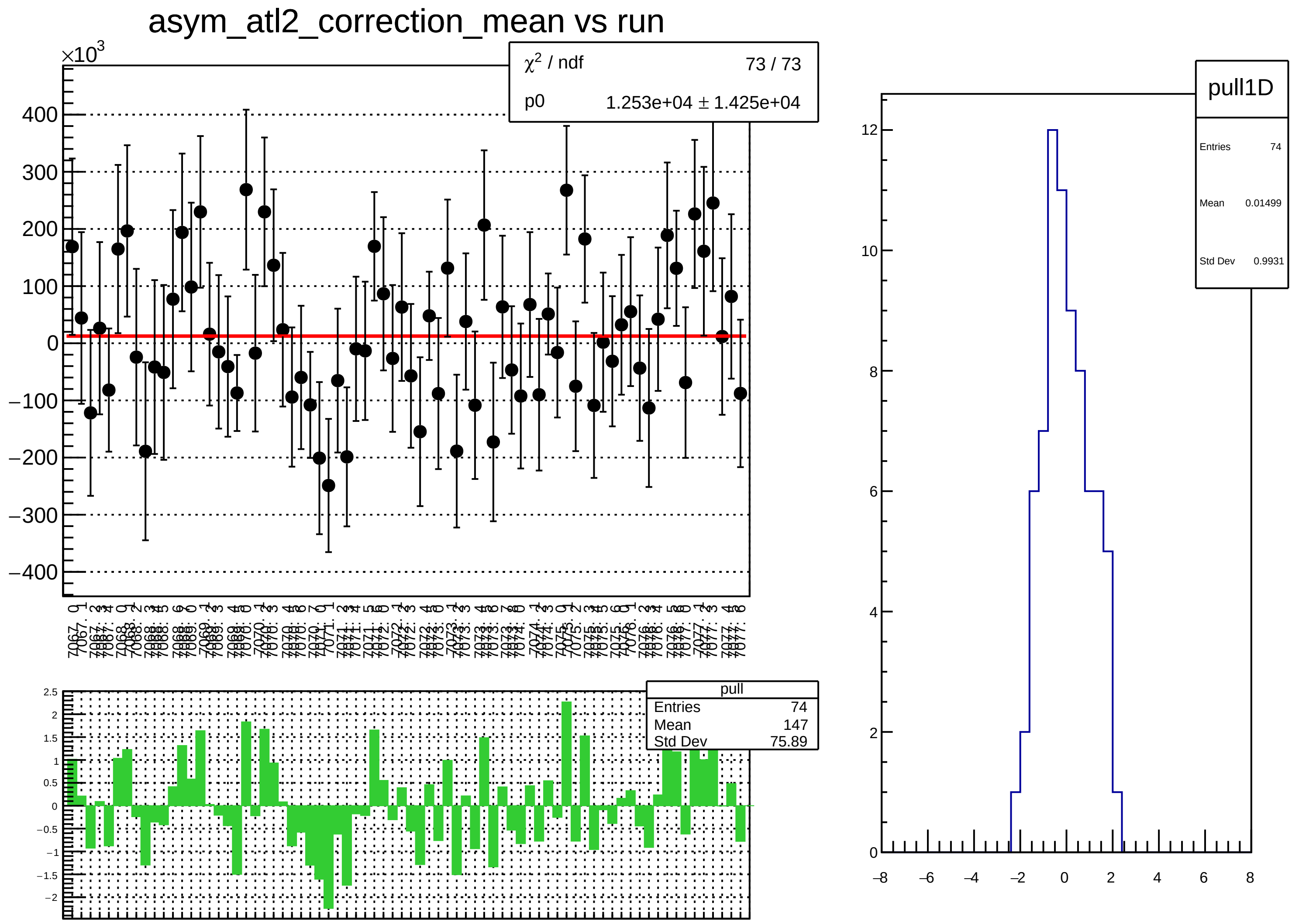
asym_atl1_mean vs run
$\times10^3$
χ^2 / ndf 64.58 / 73
p0 −2486 ± 2902
100
50
0
−50
−100
pull
Entries 74
Mean 63.98
Std Dev 29.71
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.01771
Std Dev 0.934
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

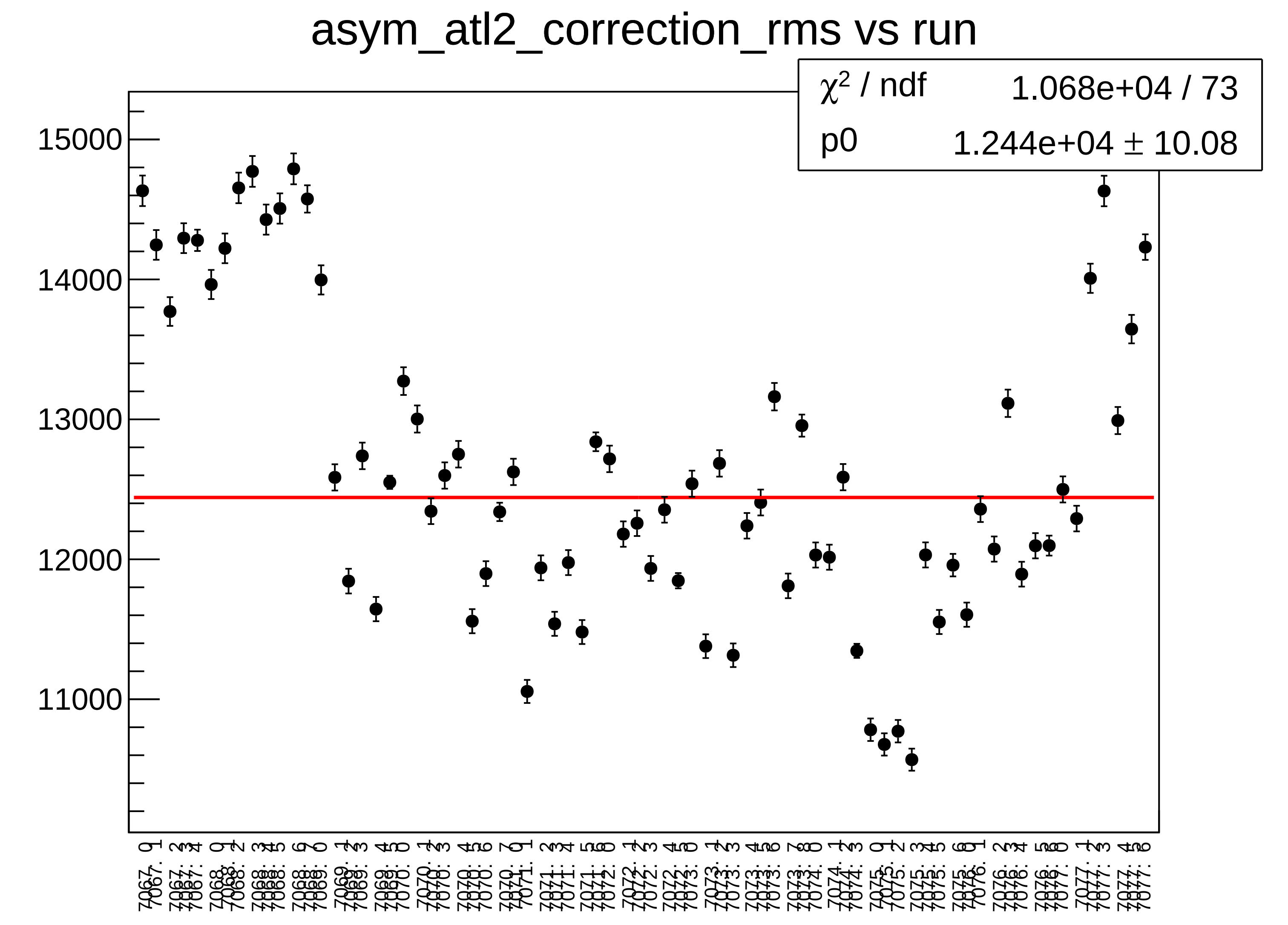


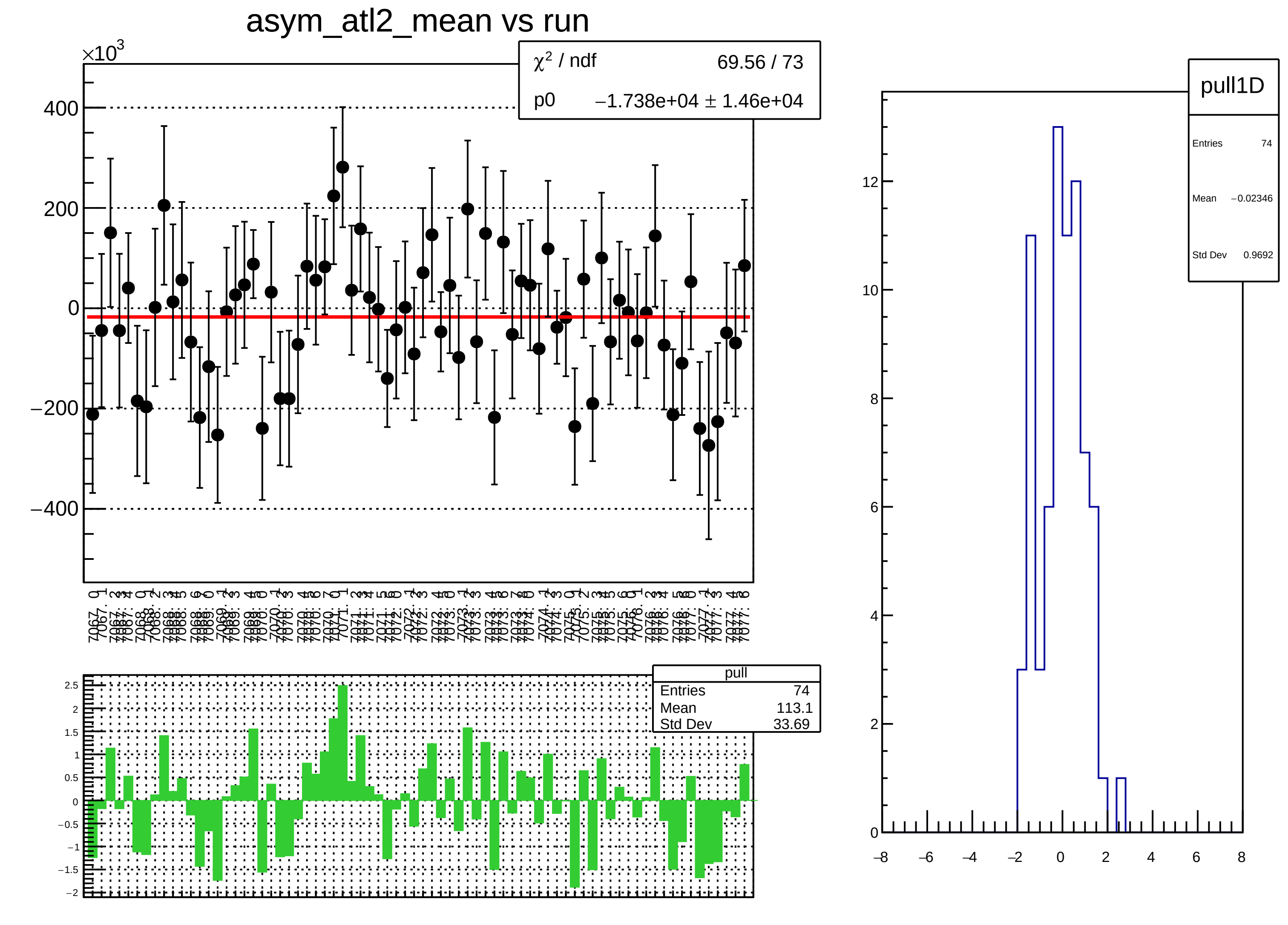
asym_atl1_rms vs run
χ^2 / ndf 267.2 / 73
p0 2542 ± 2.052
2650
2600
2550
2500
2450


reg_asym_atl2_mean vs run
$\times10^3$
χ^2 / ndf 70.32 / 73
p0 −5062 ± 3054
pull
Entries 74
Mean 42.66
Std Dev 49.94
pull1D
Entries 74
Mean −0.02584
Std Dev 0.9745

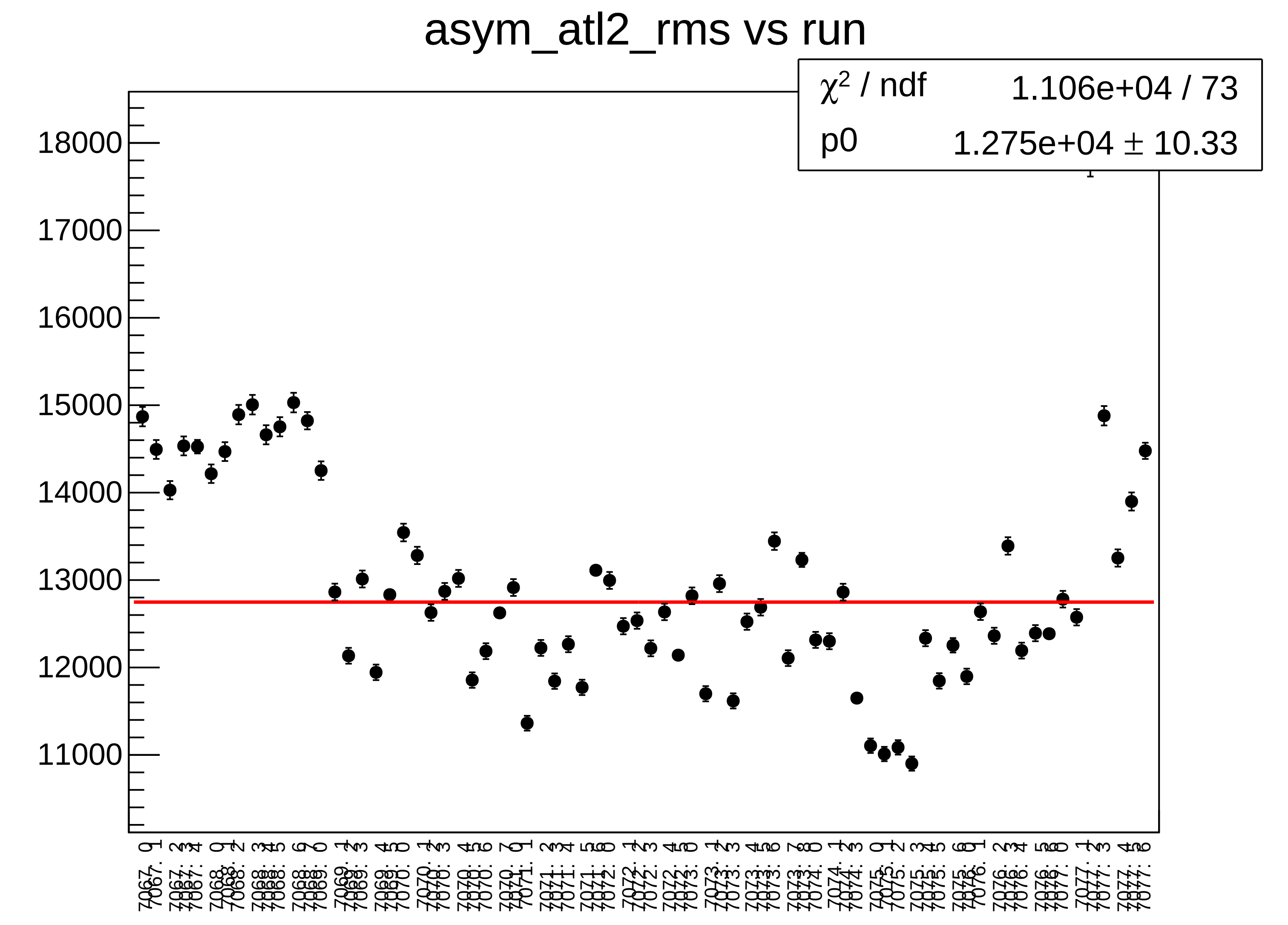

reg_asym_atl2_rms vs run
χ2 / ndf 1.043e+04 / 73
p0 2666 ± 2.159
10000
8000
6000
4000
2000

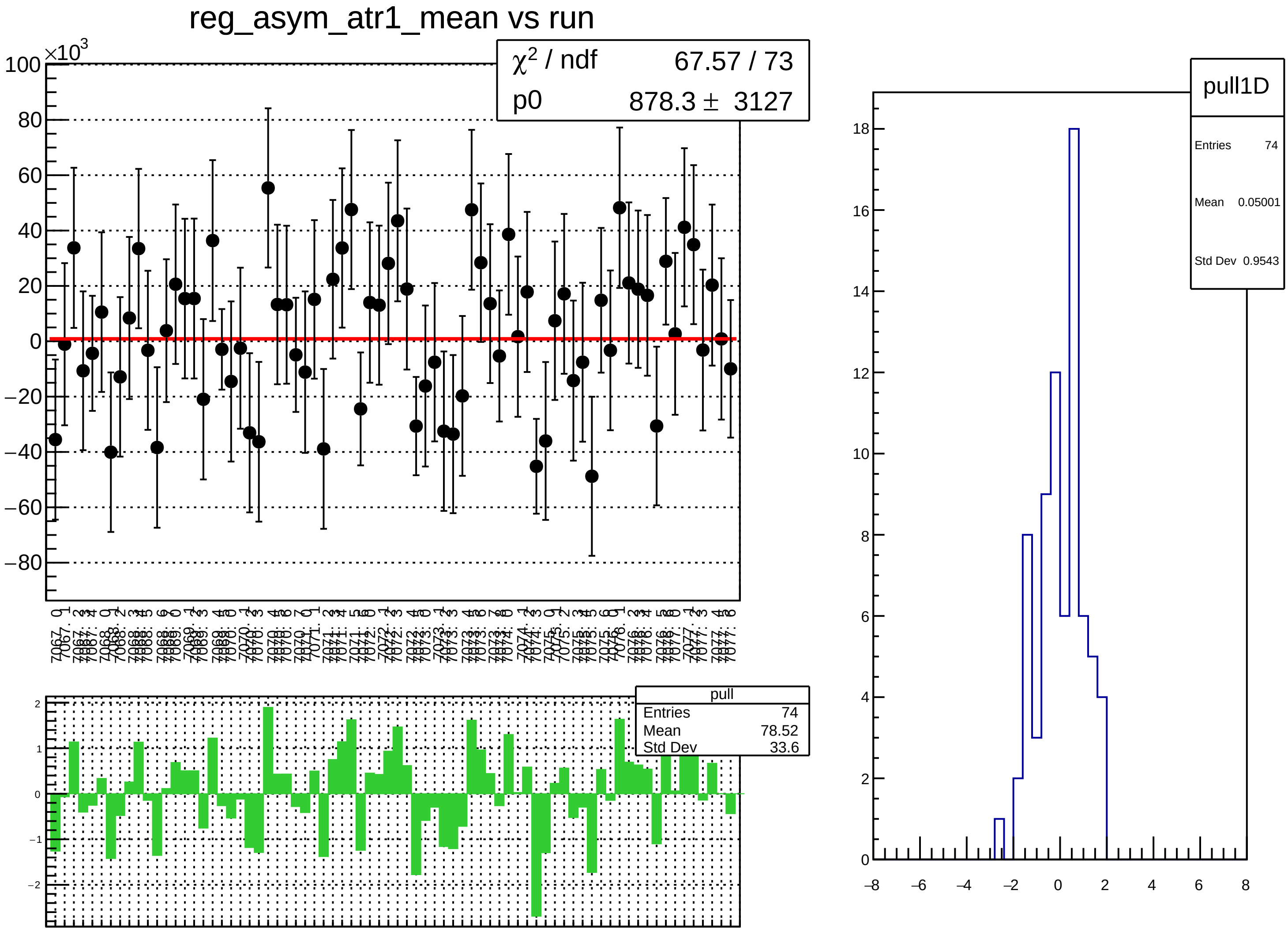

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 73 / 73
p0 1.253e+04 ± 1.425e+04
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 74
Mean 147
Std Dev 75.89
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.01499
Std Dev 0.9931
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

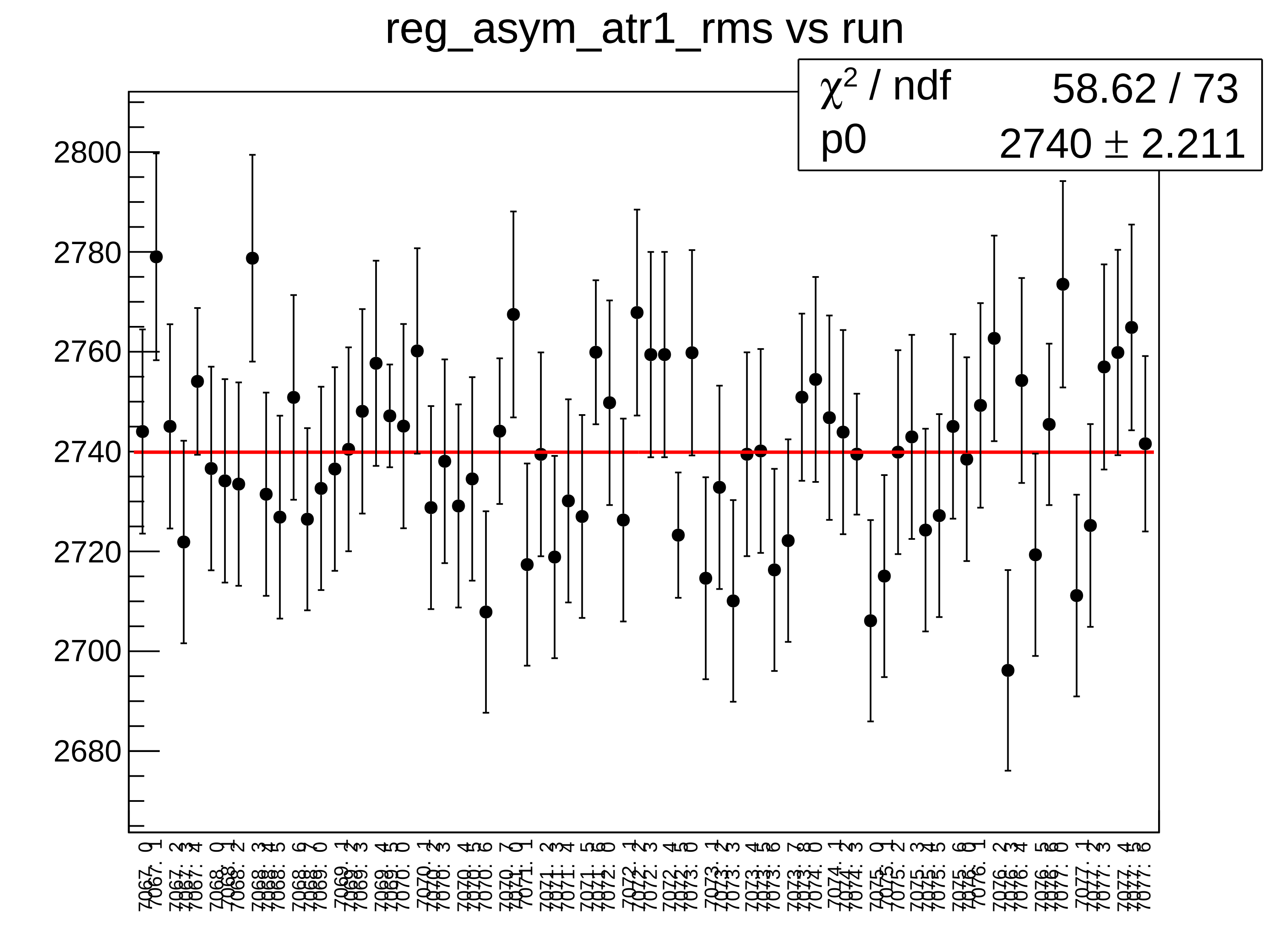

asym_atl2_correction_rms vs run
χ^2 / ndf 1.068e+04 / 73
p0 1.244e+04 ± 10.08
15000
14000
13000
12000
11000

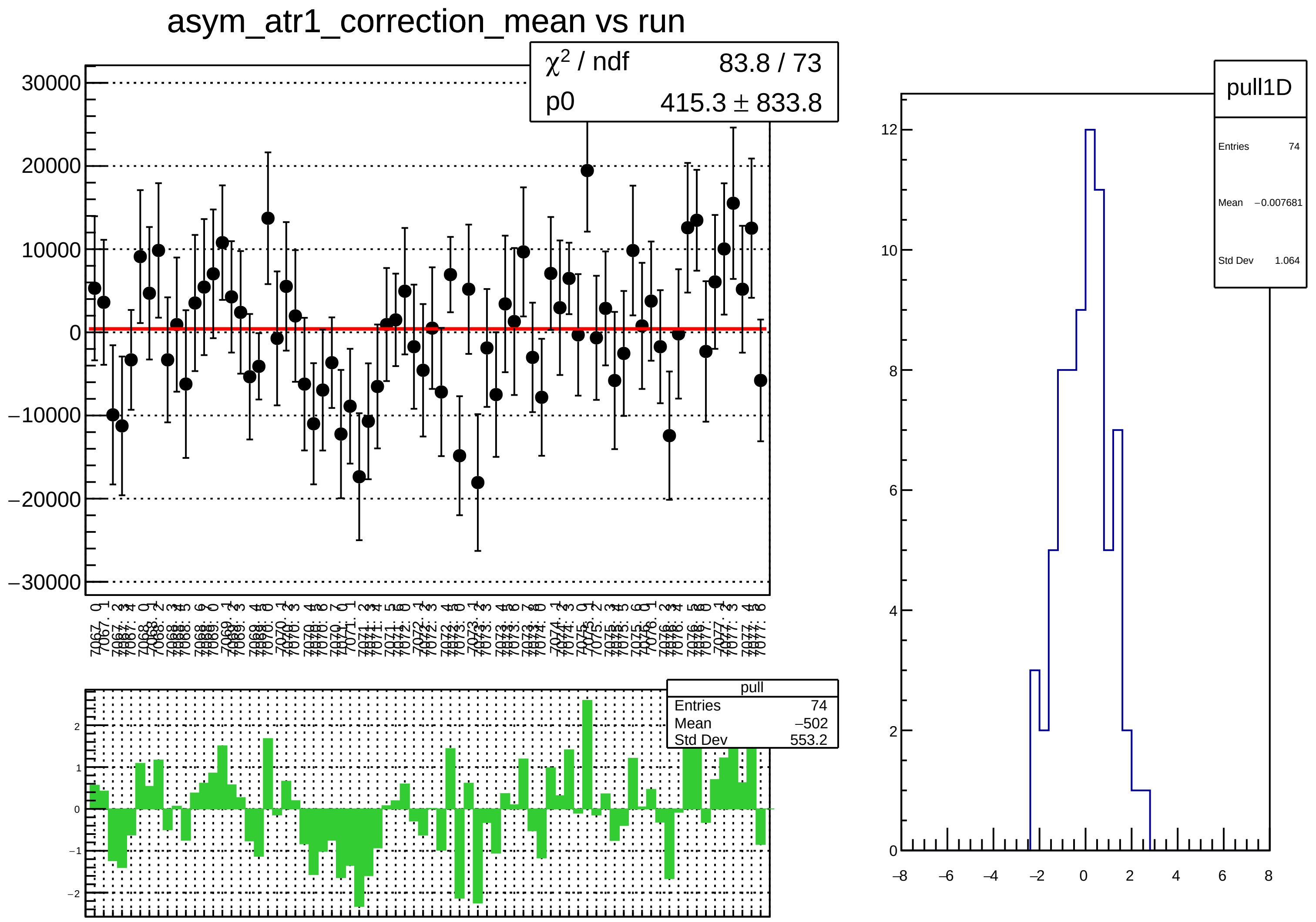


asym_atl2_mean vs run
×10^3
χ2 / ndf 69.56 / 73
p0 −1.738e+04 ± 1.46e+04
400
200
0
−200
−400
pull
Entries 74
Mean 113.1
Std Dev 33.69
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.02346
Std Dev 0.9692
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

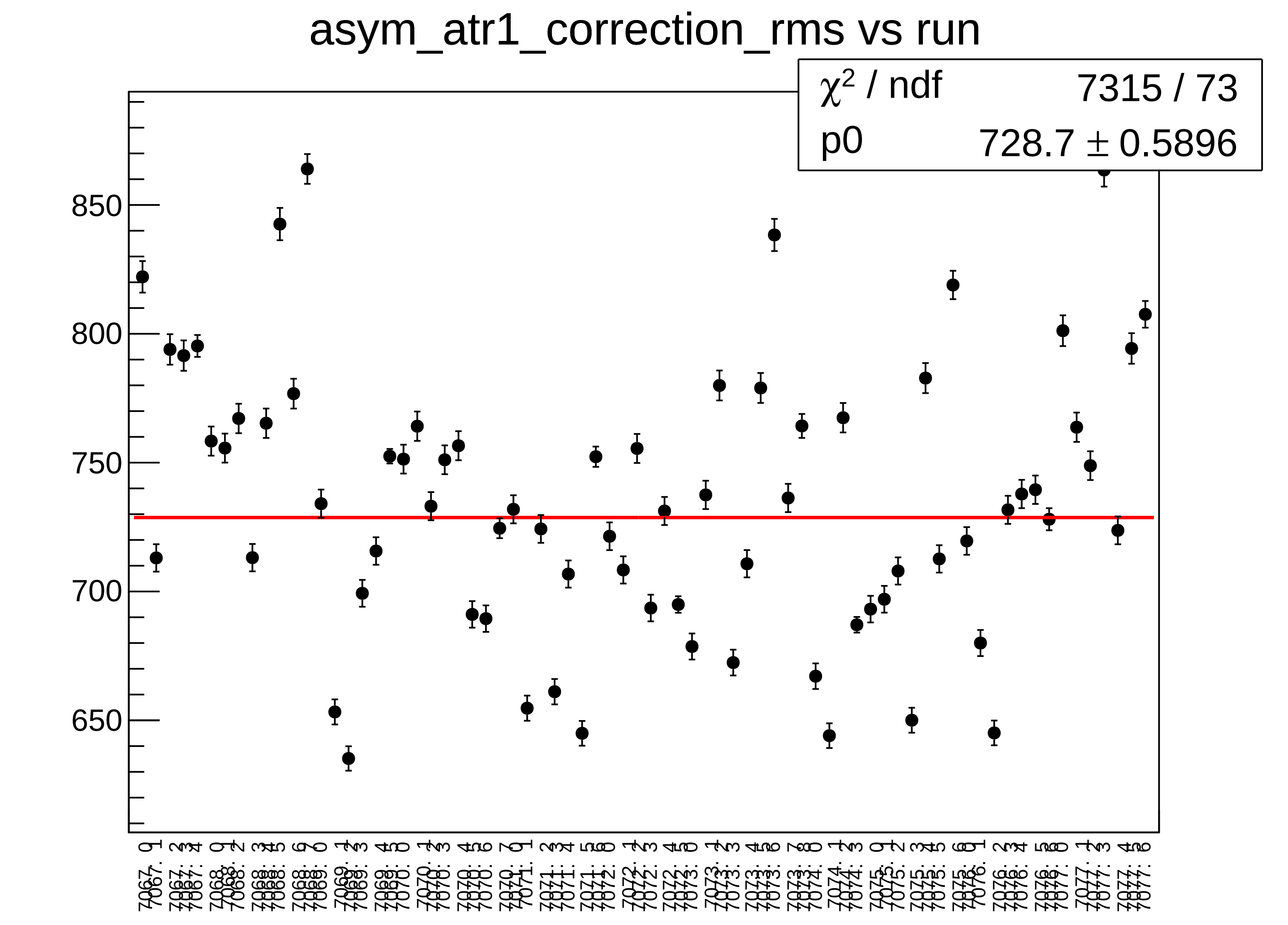

asym_atl2_rms vs run
χ2 / ndf 1.106e+04 / 73
p0 1.275e+04 ± 10.33
18000
17000
16000
15000
14000
13000
12000
11000


reg_asym_atr1_mean vs run
χ2 / ndf 67.57 / 73
p0 878.3 ± 3127
×10^3
pull
Entries 74
Mean 78.52
Std Dev 33.6
pull1D
Entries 74
Mean 0.05001
Std Dev 0.9543

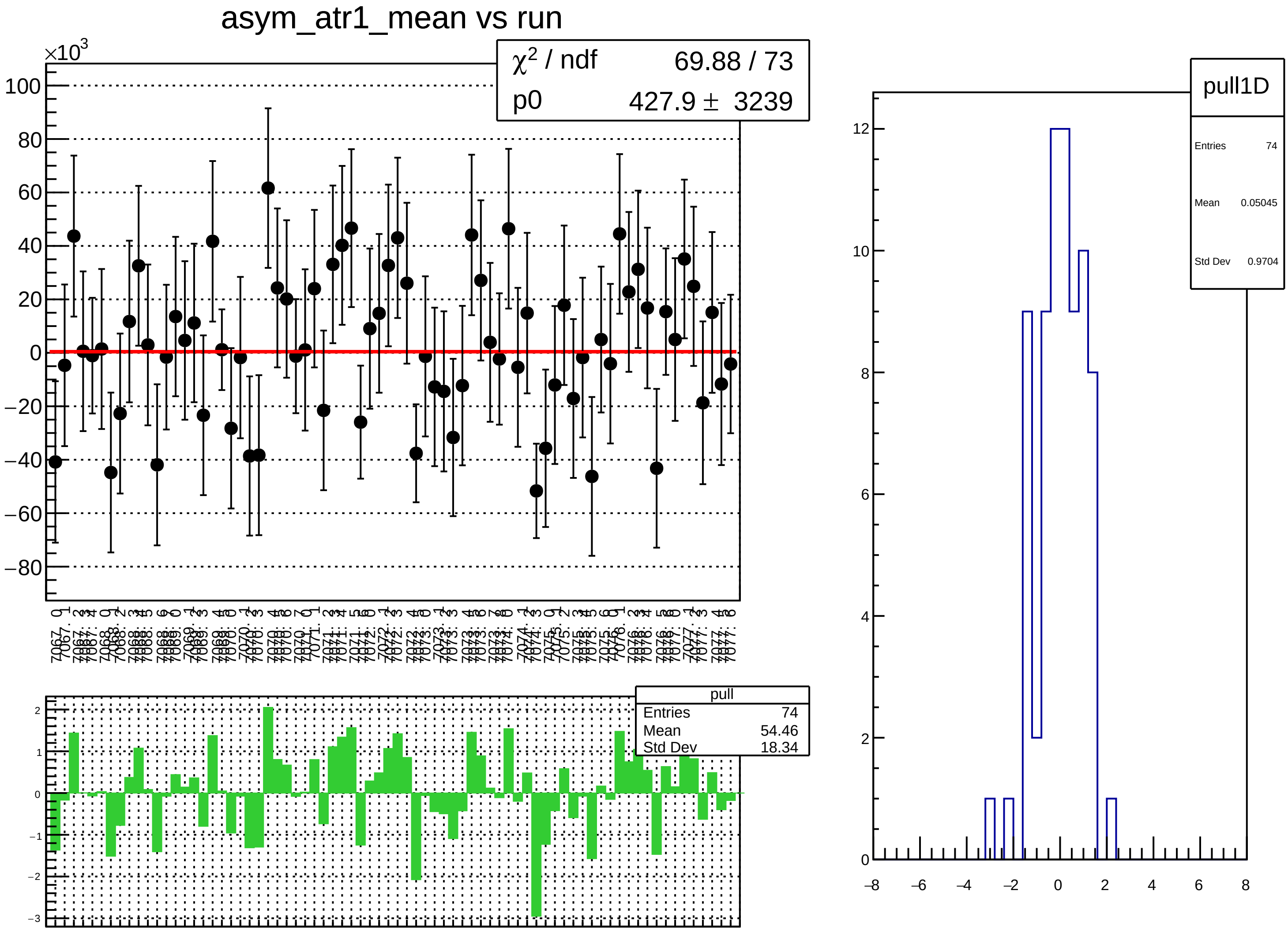

reg_asym_atr1_rms vs run
χ^2 / ndf 58.62 / 73
p0 2740 ± 2.211
2800
2780
2760
2740
2720
2700
2680



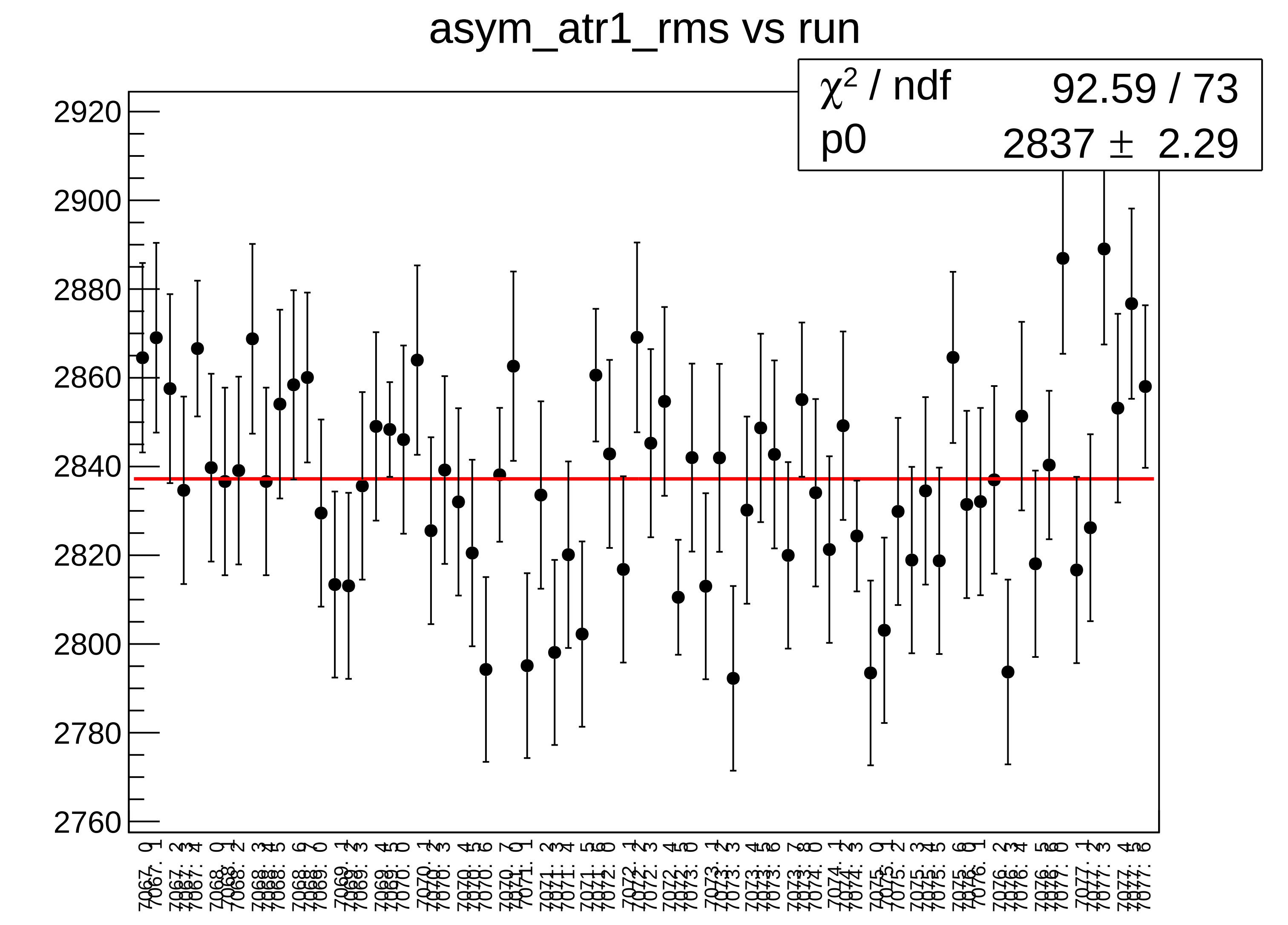
asym_atr1_correction_mean vs run
χ^2 / ndf 83.8 / 73
p0 415.3 ± 833.8
pull
Entries 74
Mean −502
Std Dev 553.2
pull1D
Entries 74
Mean −0.007681
Std Dev 1.064



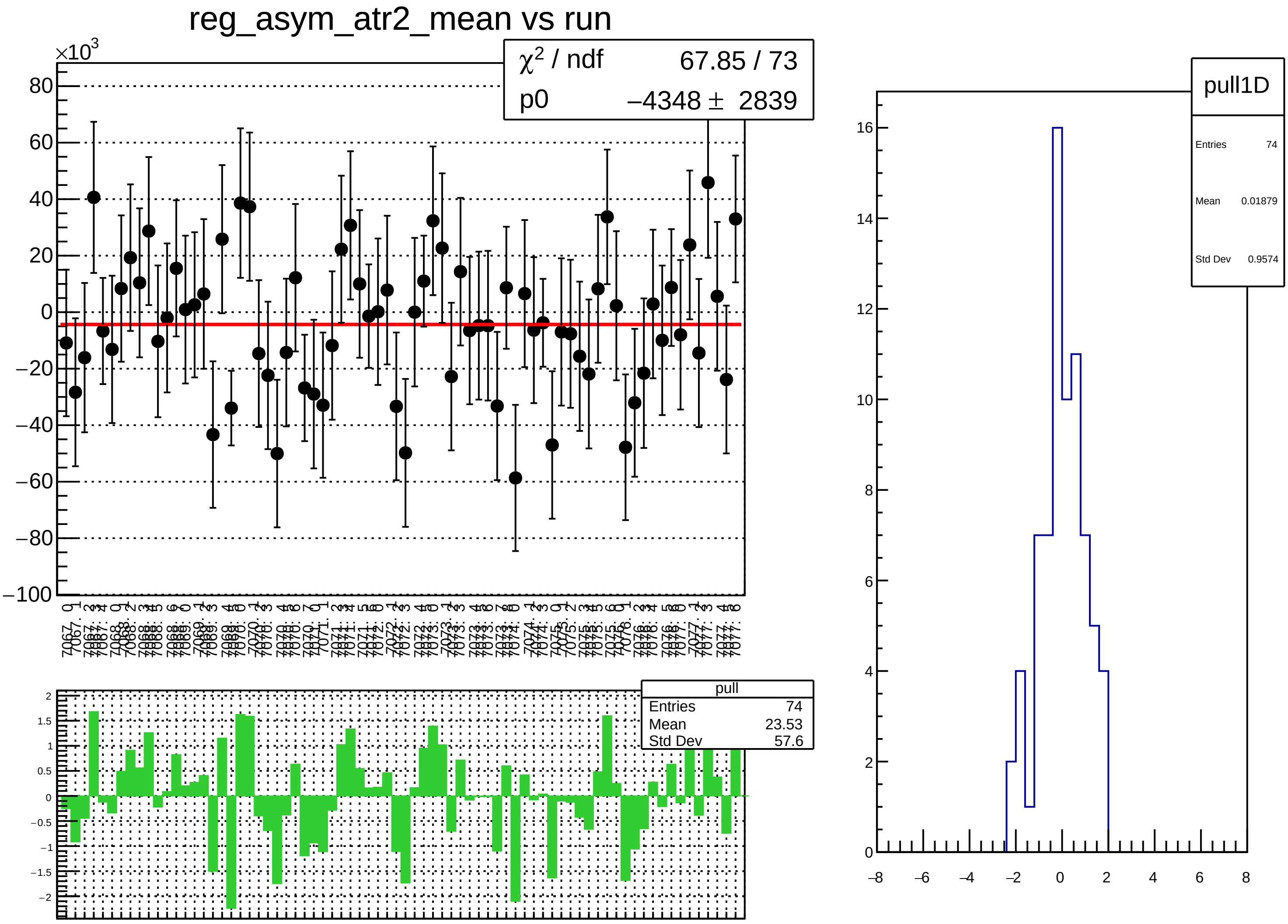
asym_atr1_correction_rms vs run
χ^2 / ndf 7315 / 73
p0 728.7 ± 0.5896
850
800
750
700
650



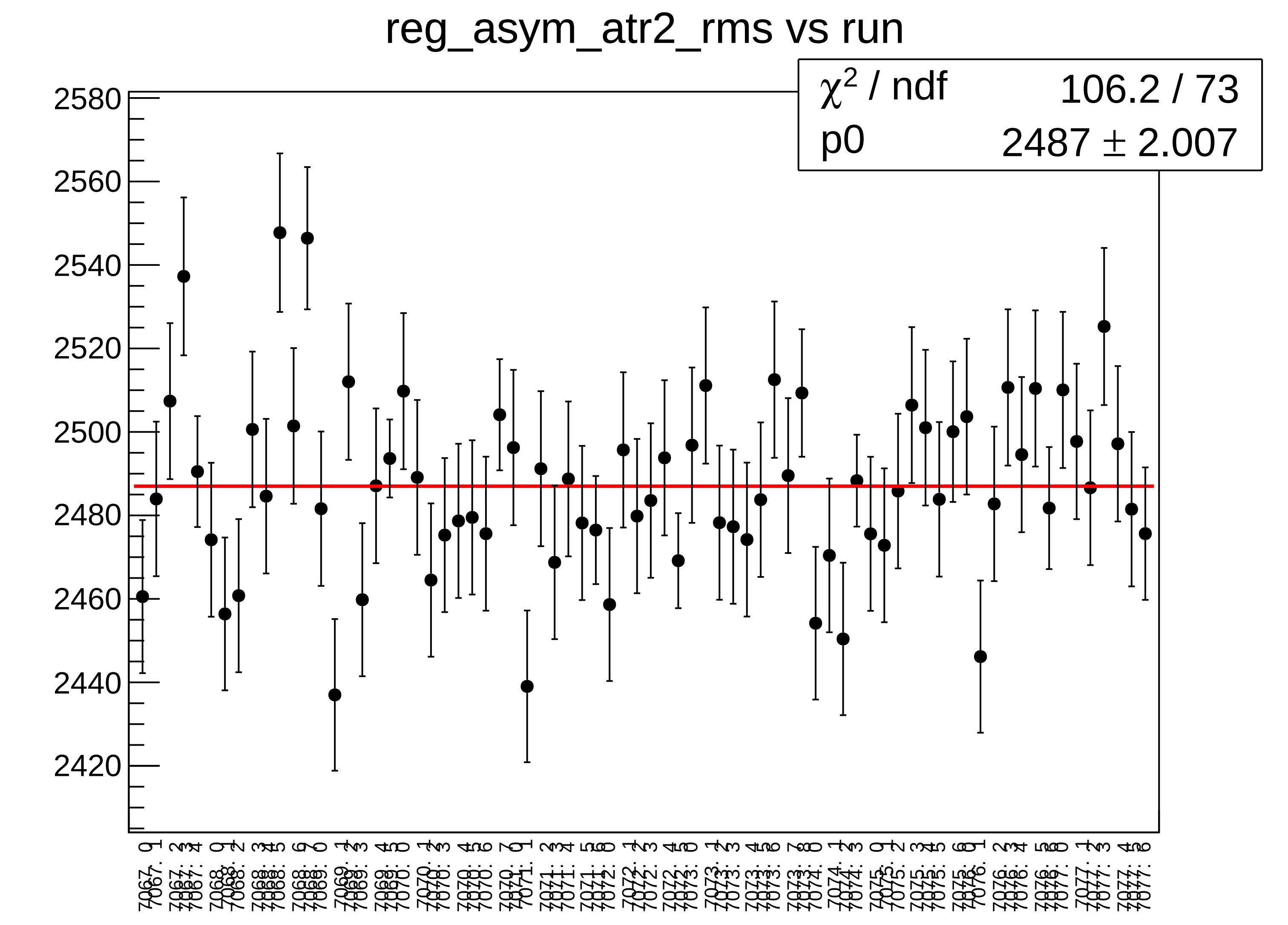
asym_atr1_mean vs run
×10^3
χ2 / ndf 69.88 / 73
p0 427.9 ± 3239
pull
Entries 74
Mean 54.46
Std Dev 18.34
pull1D
Entries 74
Mean 0.05045
Std Dev 0.9704



asym_atr1_rms vs run
χ^2 / ndf 92.59 / 73
p0 2837 ± 2.29
2920
2900
2880
2860
2840
2820
2800
2780
2760

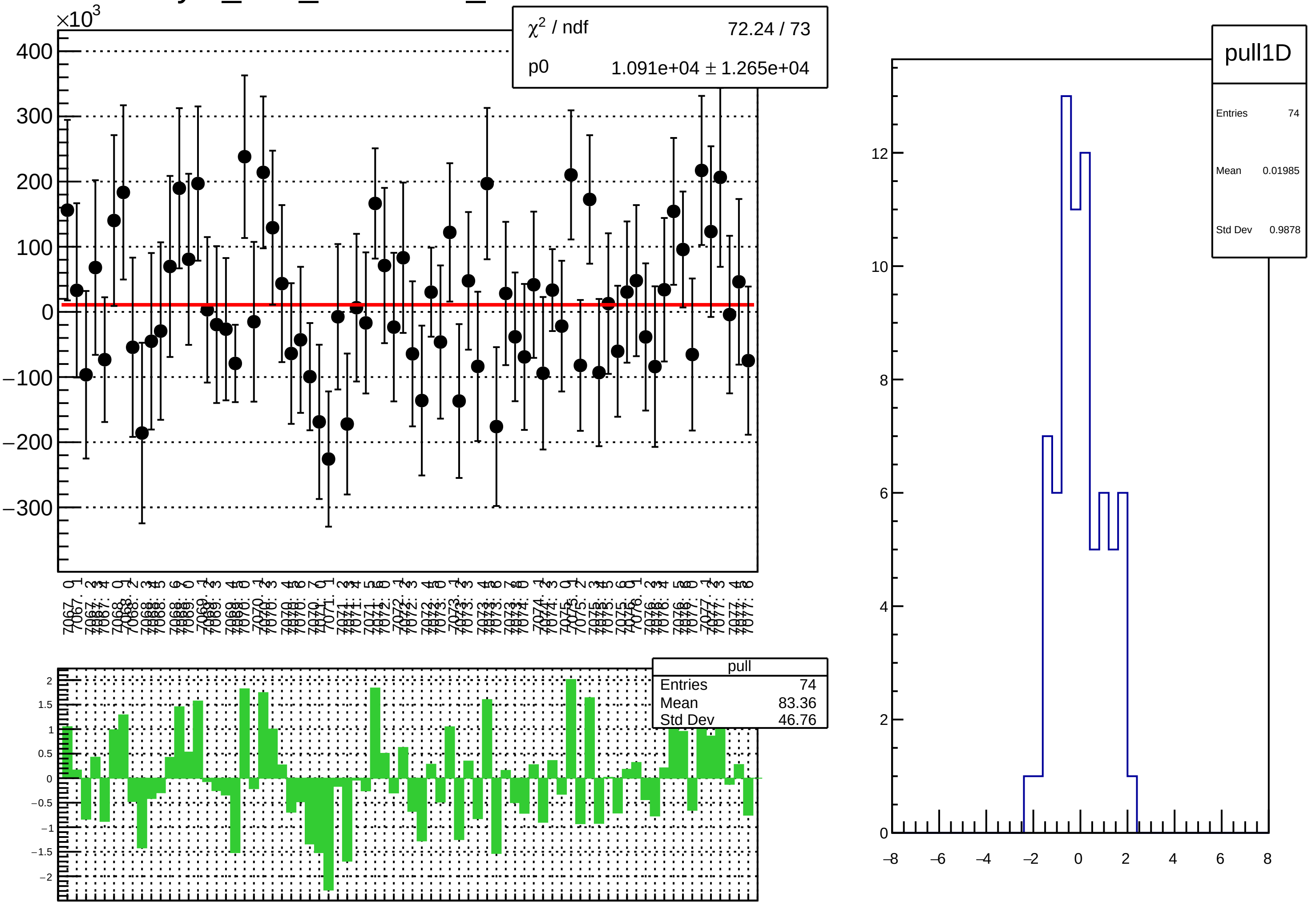


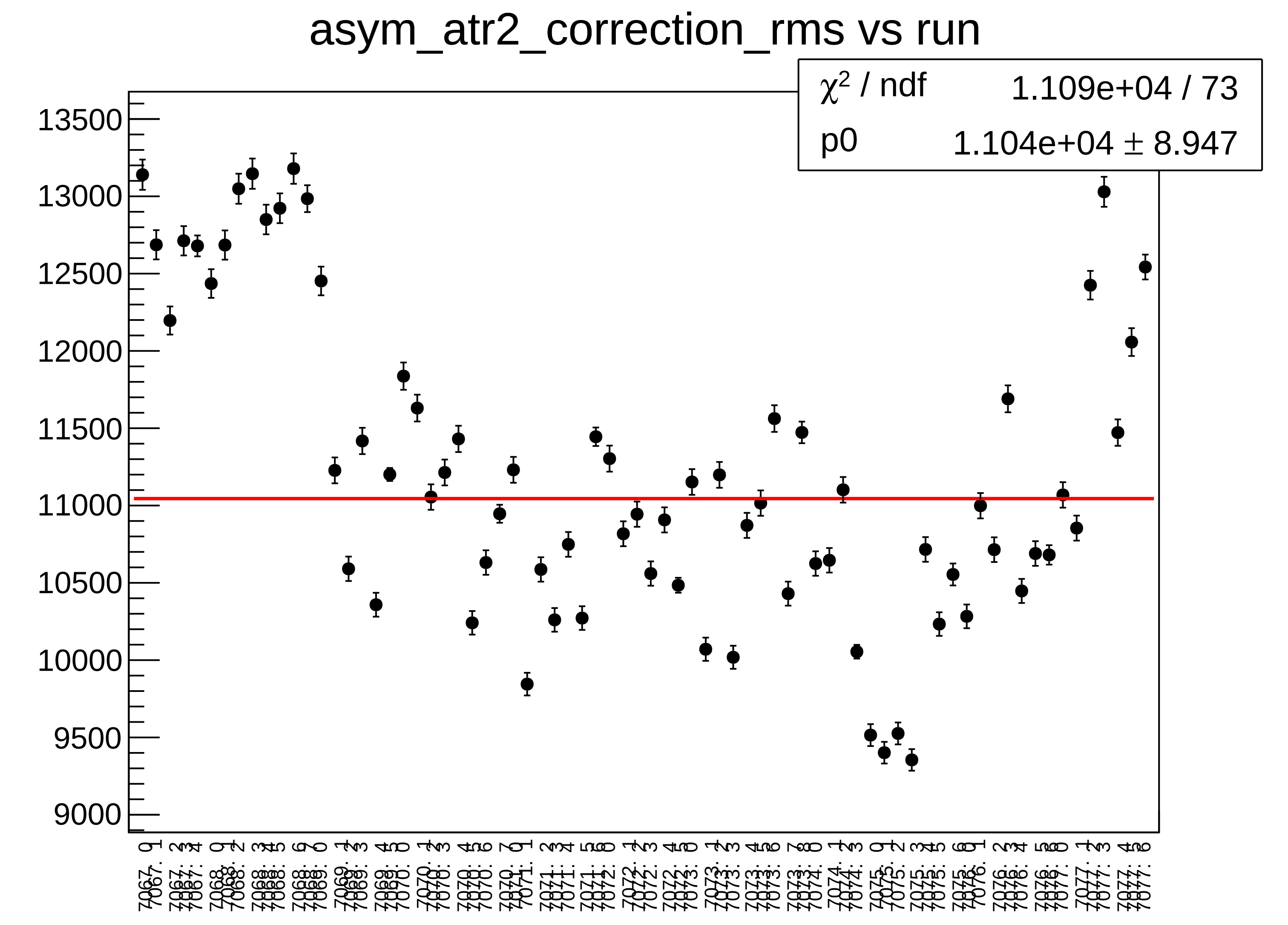
reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 67.85 / 73
p0 −4348 ± 2839
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 74
Mean 23.53
Std Dev 57.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.01879
Std Dev 0.9574
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



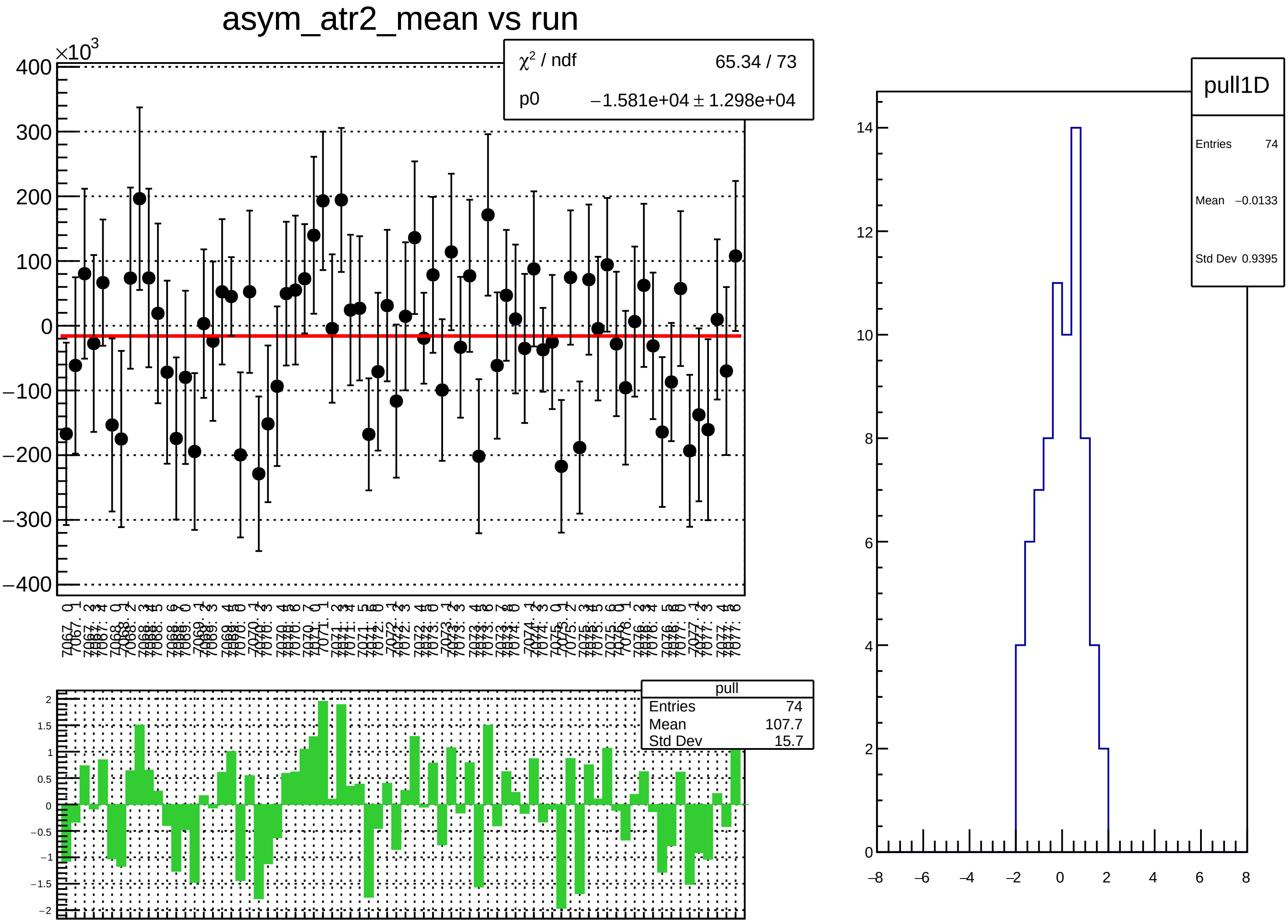
reg_asym_atr2_rms vs run
χ^2 / ndf 106.2 / 73
p0 2487 ± 2.007
2580
2560
2540
2520
2500
2480
2460
2440
2420

asym_atr2_correction_mean vs run

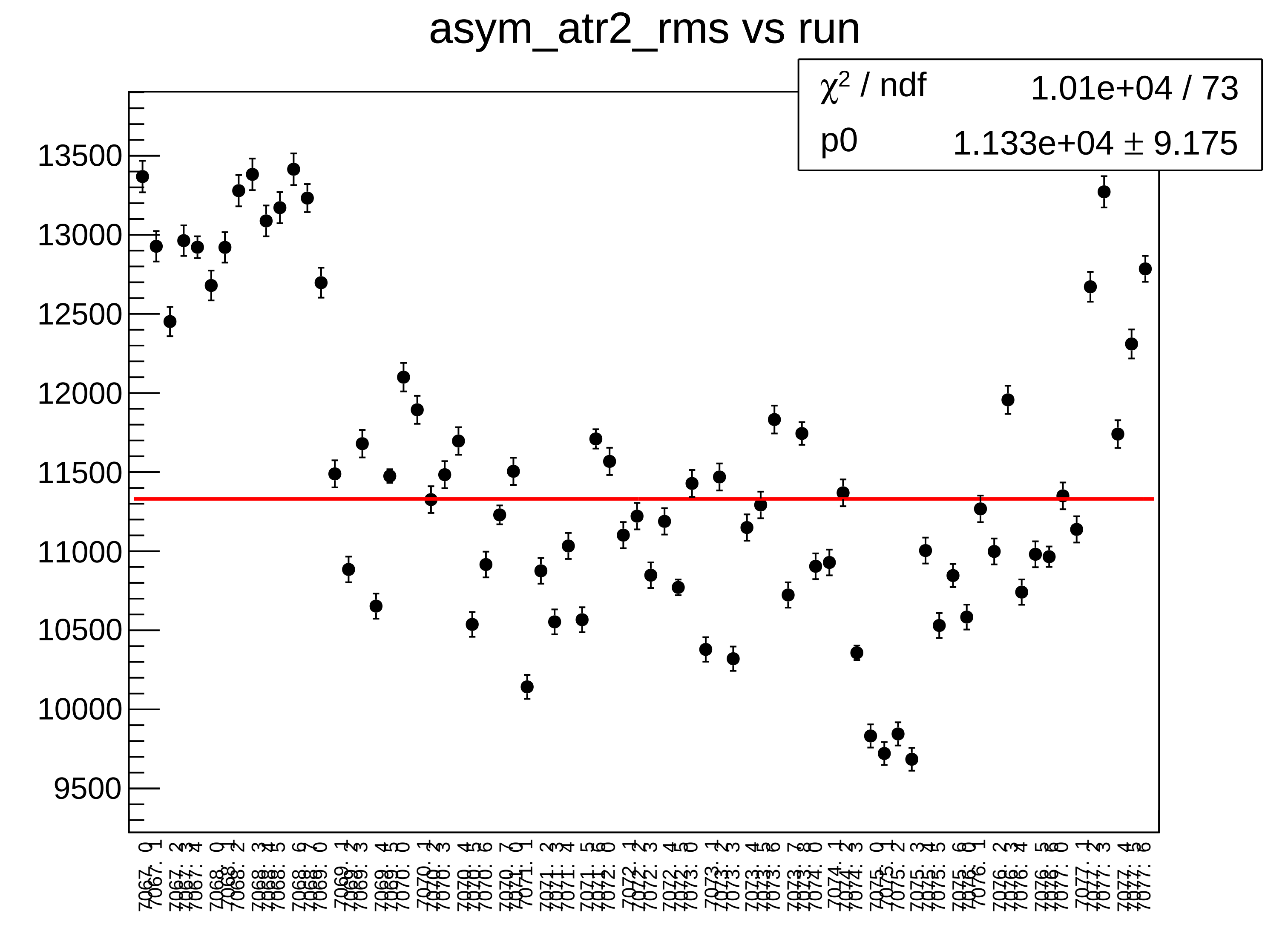


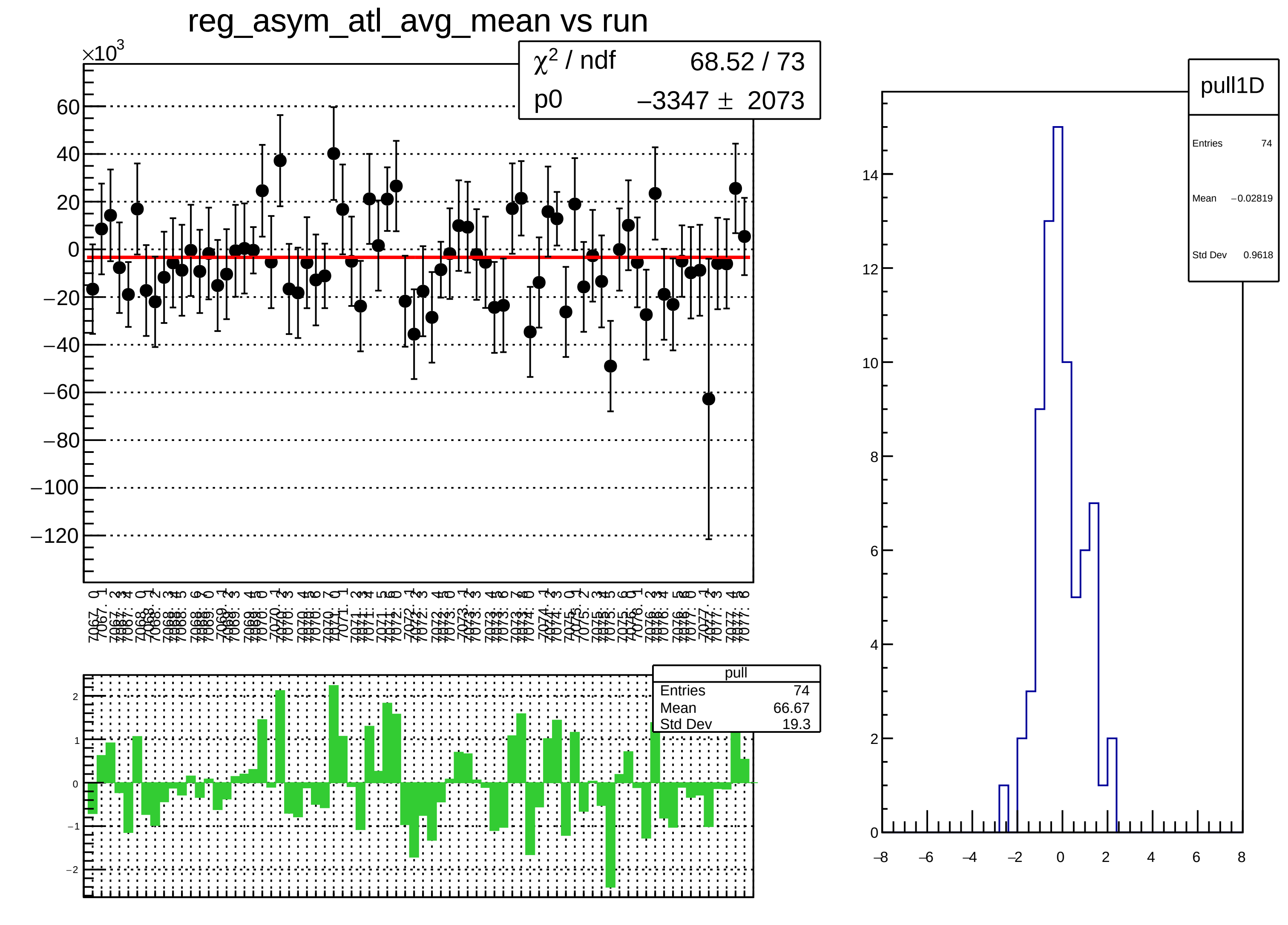


asym_atr2_correction_rms vs run
χ^2 / ndf 1.109e+04 / 73
p0 1.104e+04 ± 8.947
13500
13000
12500
12000
11500
11000
10500
10000
9500
9000

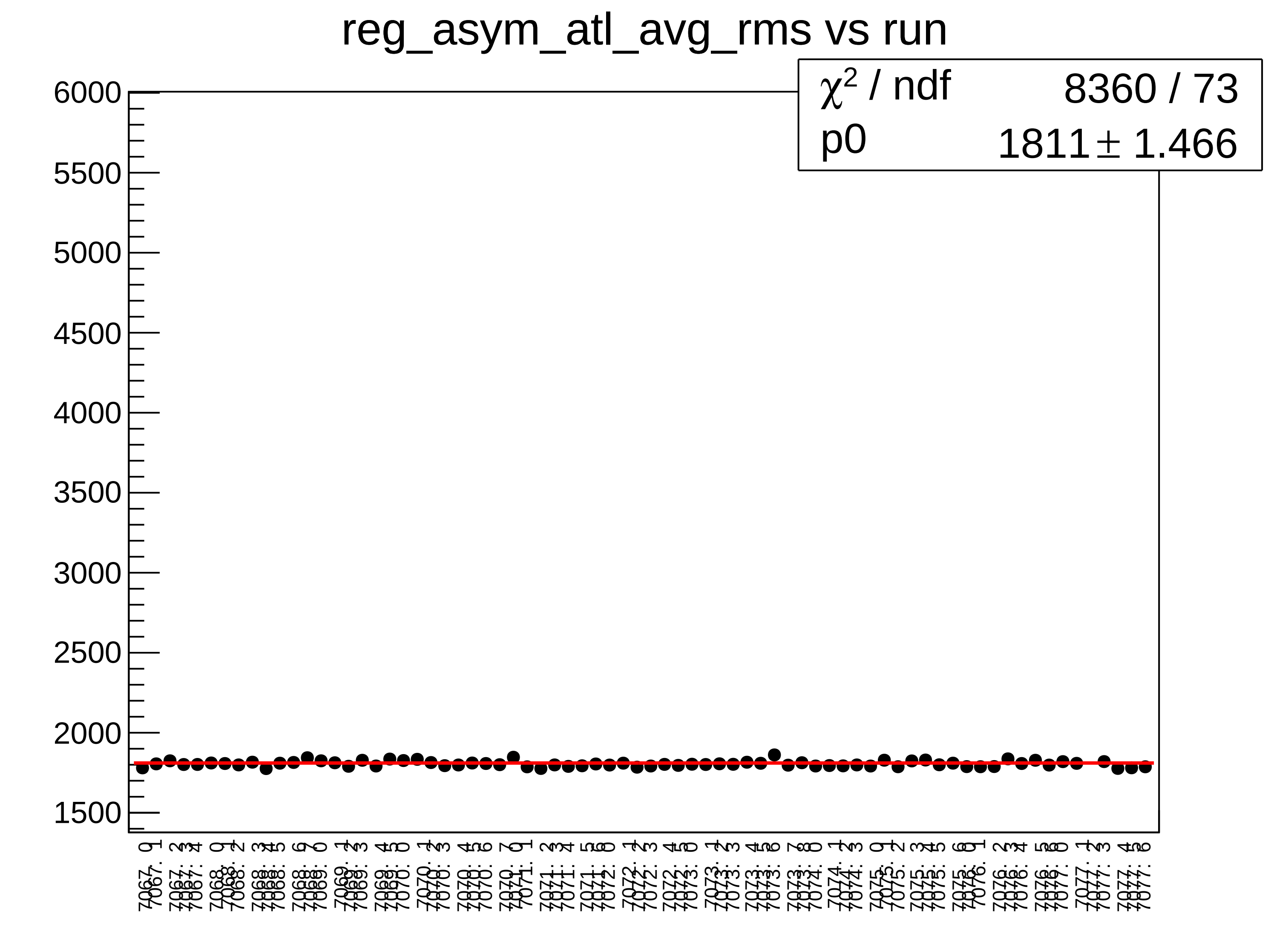


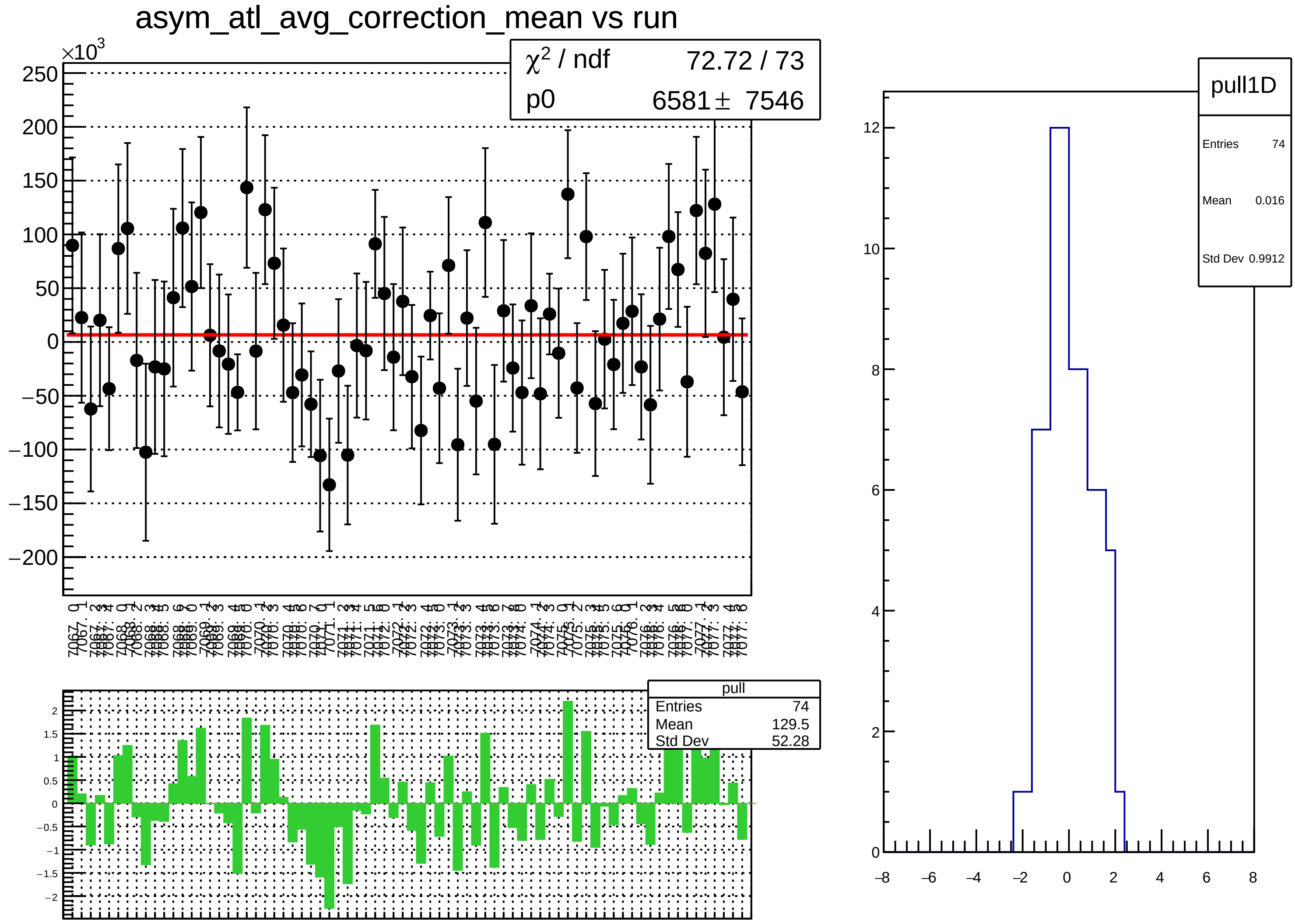
asym_atr2_mean vs run
×10^3
χ2 / ndf 65.34 / 73
p0 −1.581e+04 ± 1.298e+04
400
300
200
100
0
−100
−200
−300
−400
pull
Entries 74
Mean 107.7
Std Dev 15.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.0133
Std Dev 0.9395
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_rms vs run
χ2 / ndf 1.01e+04 / 73
p0 1.133e+04 ± 9.175
13500
13000
12500
12000
11500
11000
10500
10000
9500

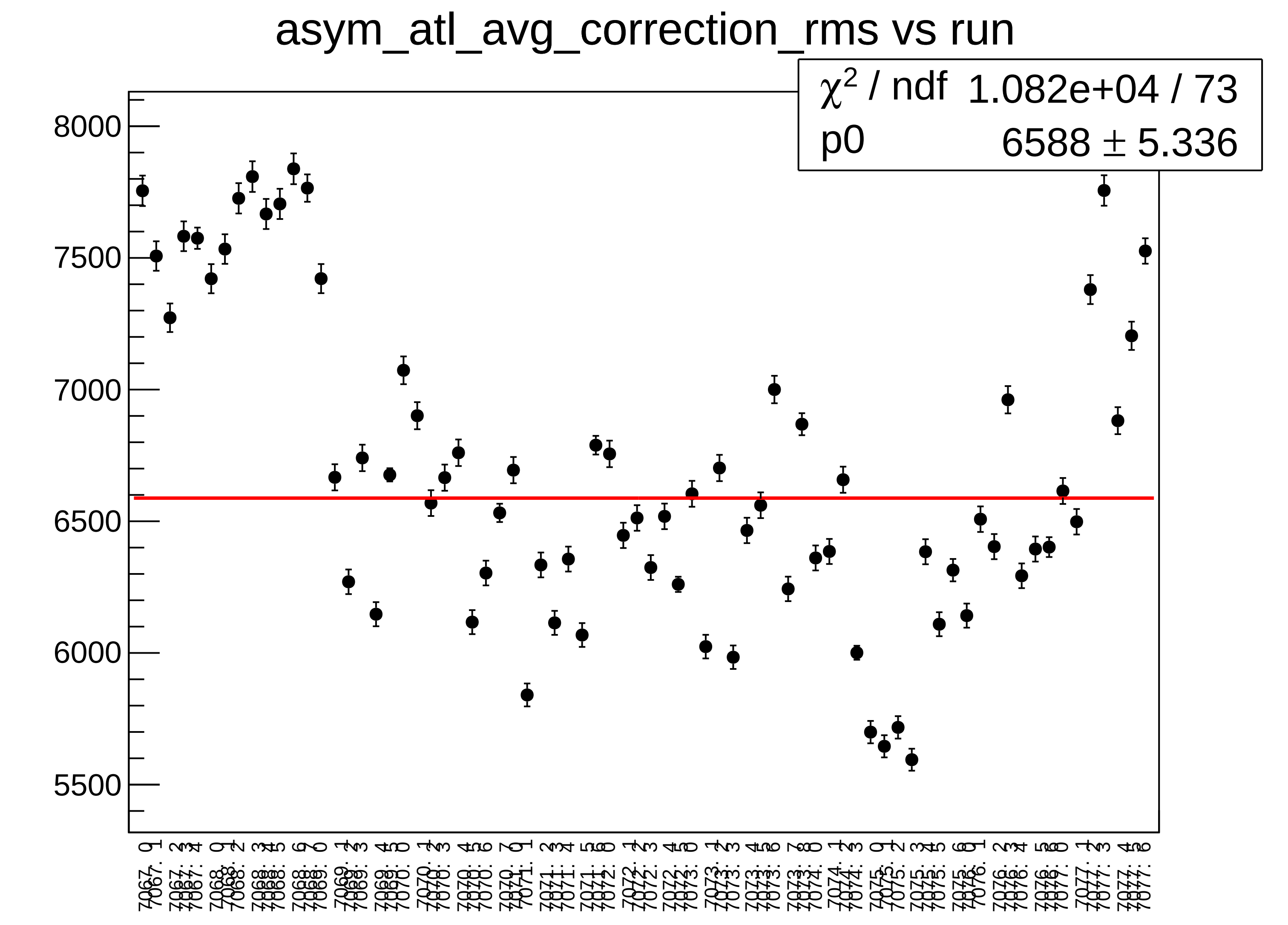


reg_asym_atl_avg_mean vs run
χ^2 / ndf 68.52 / 73
p0 −3347 ± 2073
$\times 10^3$
pull
Entries 74
Mean 66.67
Std Dev 19.3
pull1D
Entries 74
Mean −0.02819
Std Dev 0.9618

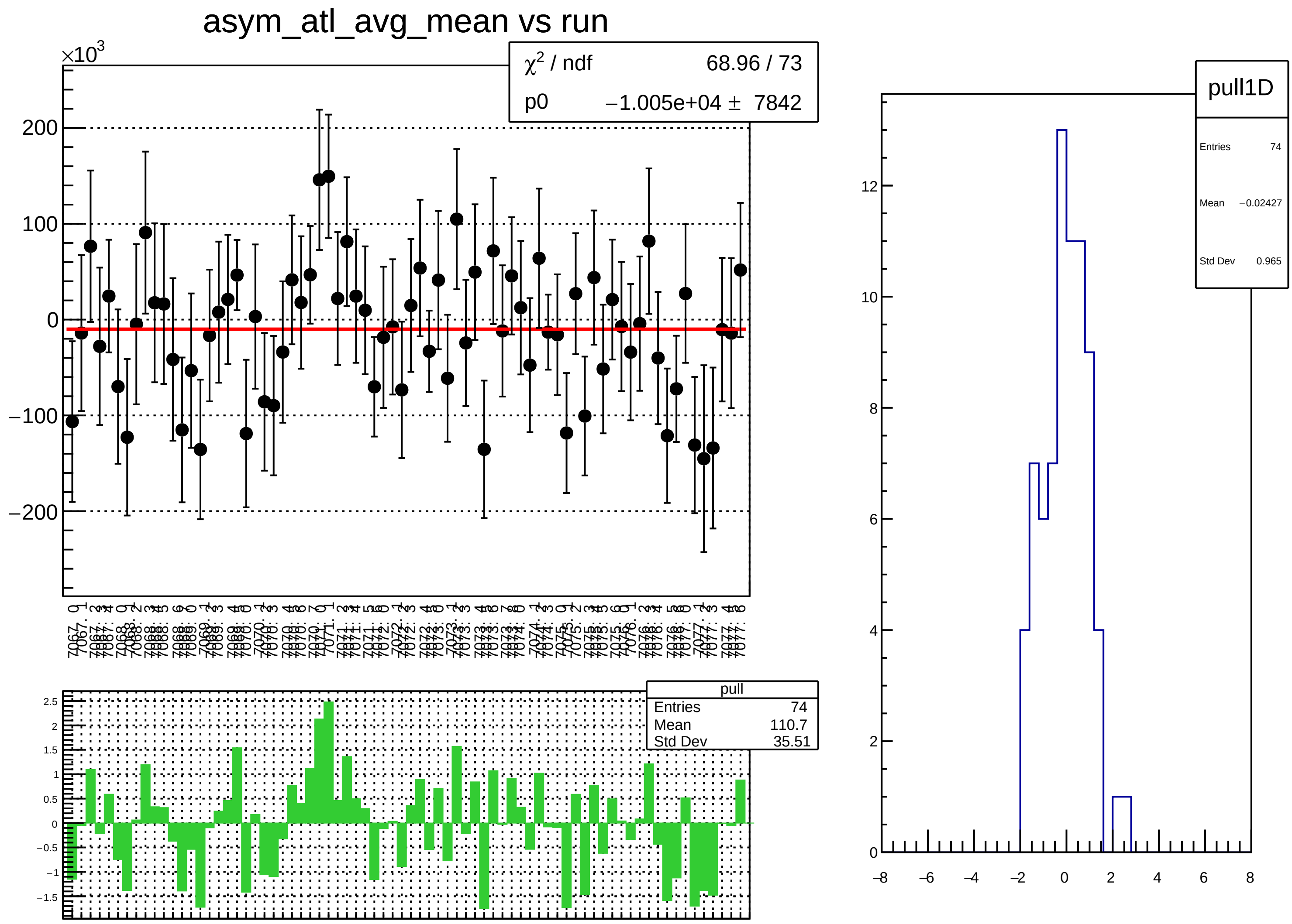

reg_asym_atl_avg_rms vs run
χ² / ndf 8360 / 73
p0 1811 ± 1.466
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

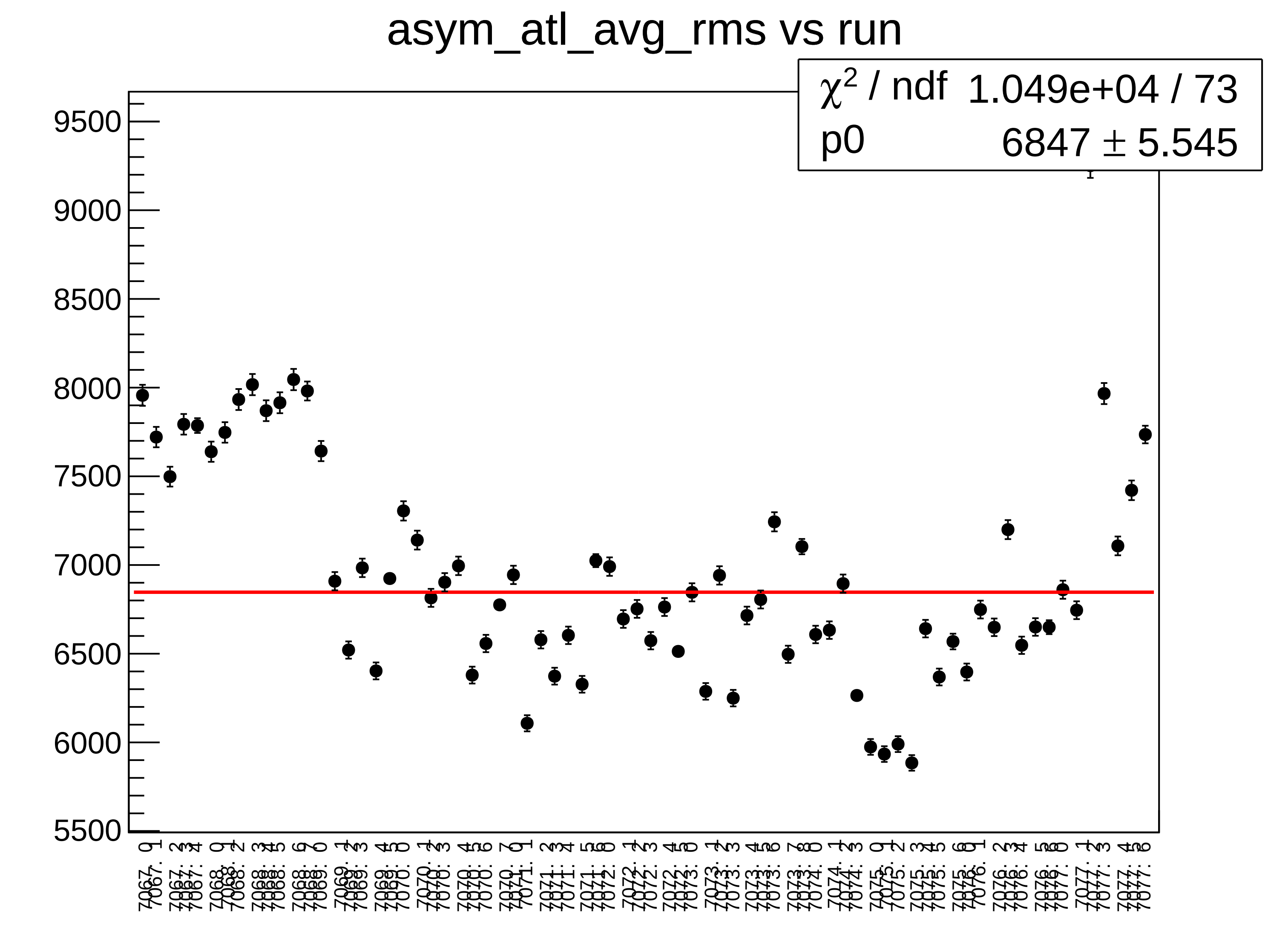


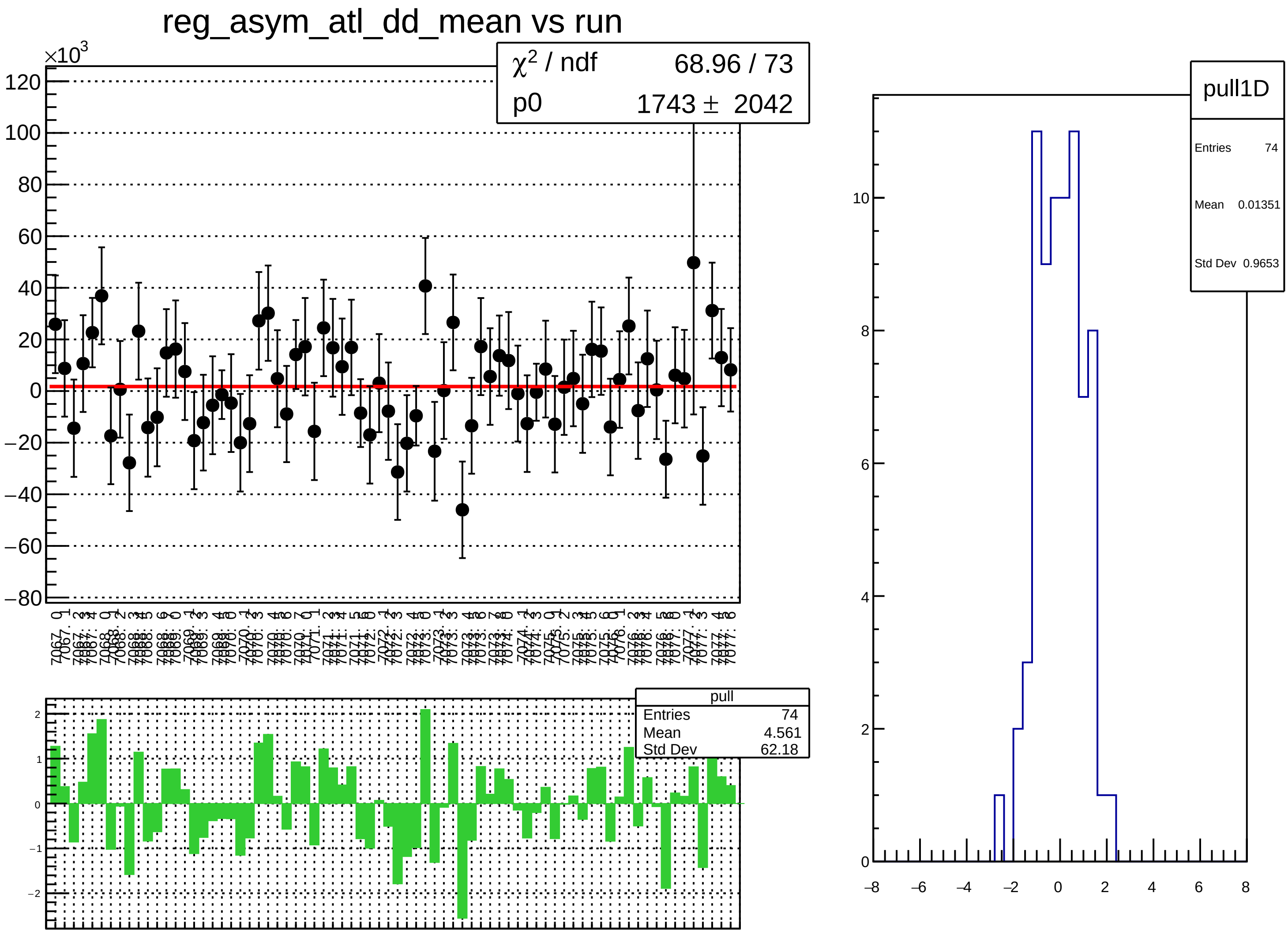
asym_atl_avg_correction_mean vs run
×10^3
χ2 / ndf 72.72 / 73
p0 6581 ± 7546
pull
Entries 74
Mean 129.5
Std Dev 52.28
pull1D
Entries 74
Mean 0.016
Std Dev 0.9912



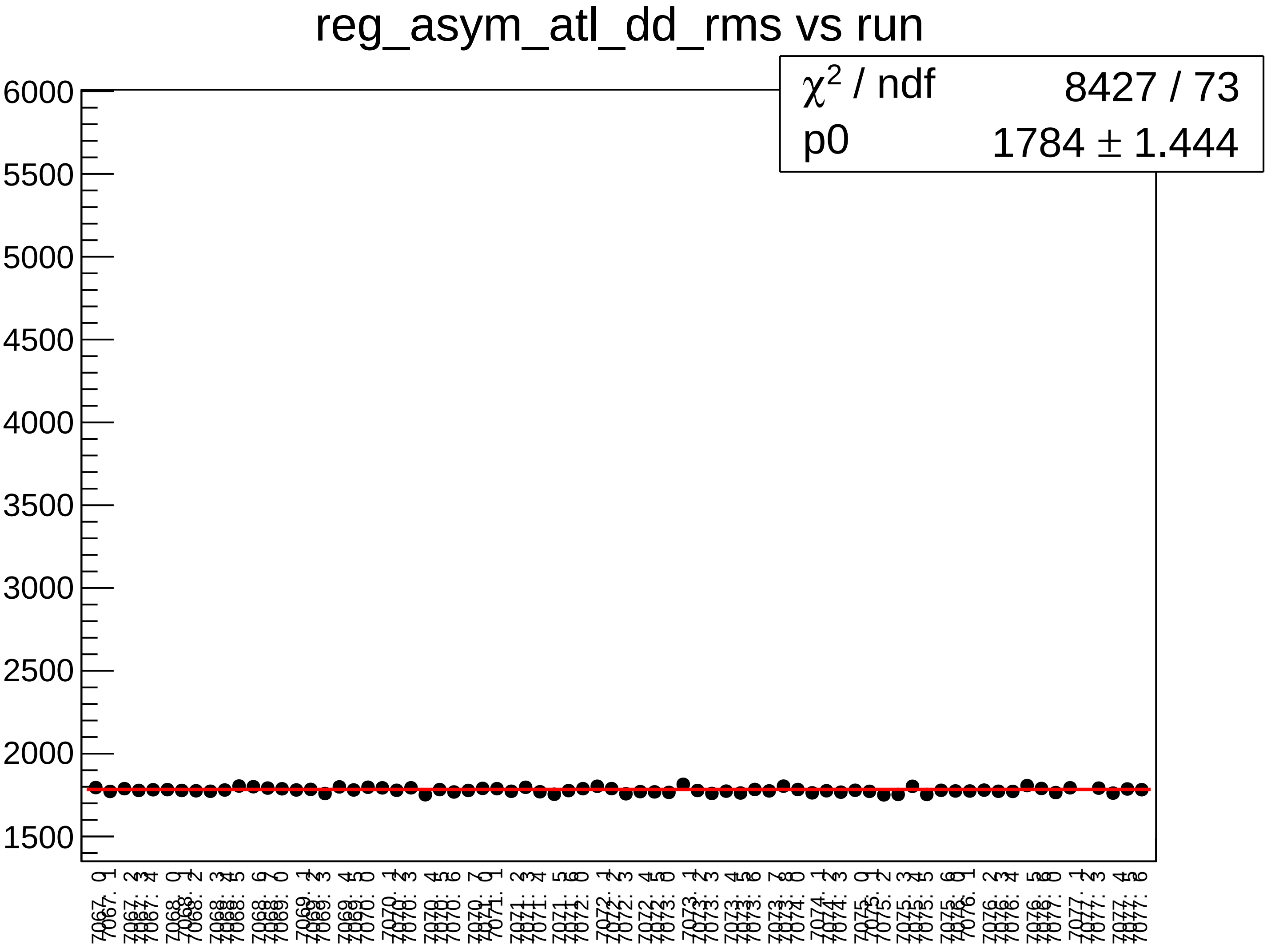
asym_atl_avg_correction_rms vs run
χ^2 / ndf 1.082e+04 / 73
p0 6588 ± 5.336
8000
7500
7000
6500
6000
5500


asym_atl_avg_mean vs run
χ2 / ndf 68.96 / 73
p0 −1.005e+04 ± 7842
pull
Entries 74
Mean 110.7
Std Dev 35.51
pull1D
Entries 74
Mean −0.02427
Std Dev 0.965

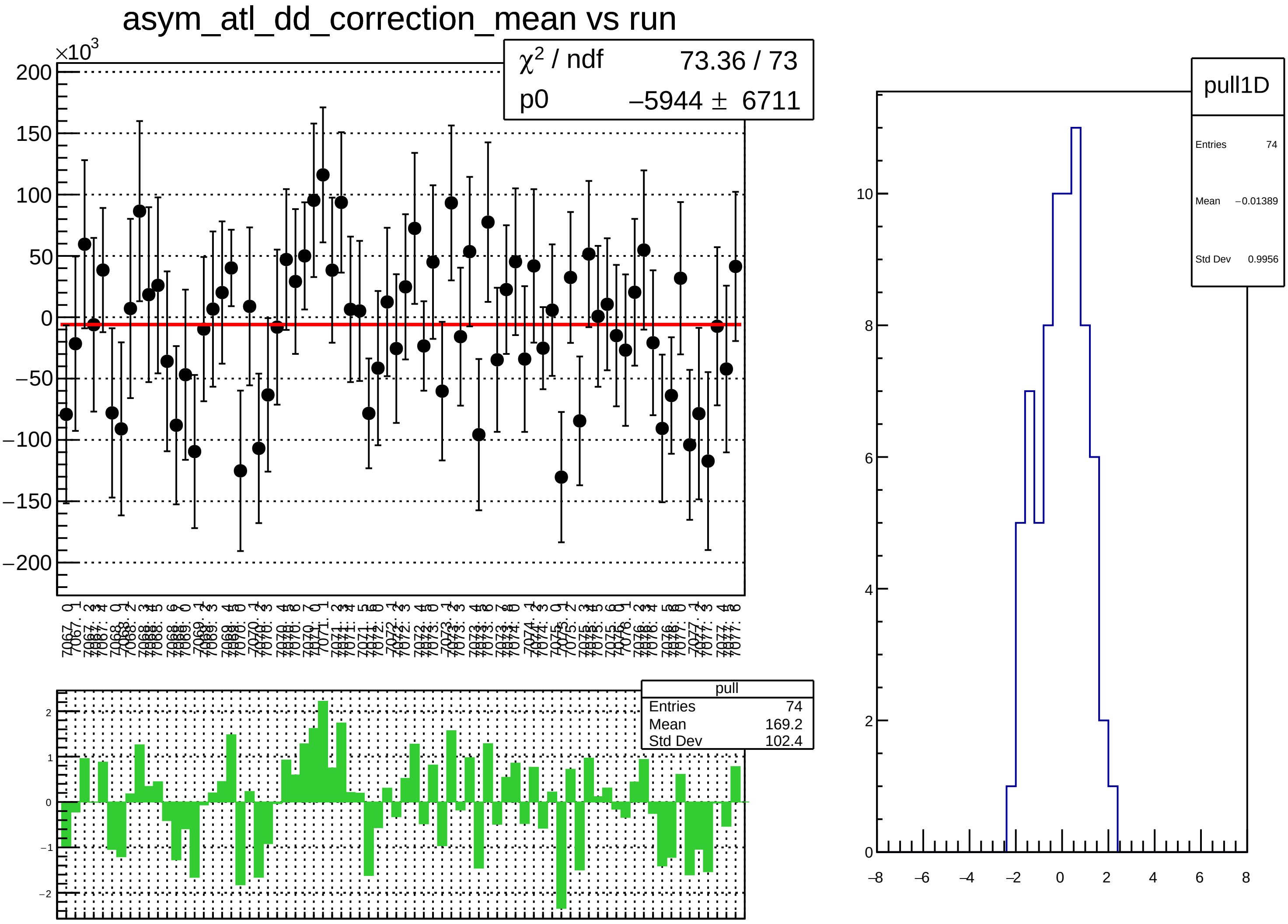

asym_atl_avg_rms vs run
χ2 / ndf 1.049e+04 / 73
p0 6847 ± 5.545
9500
9000
8500
8000
7500
7000
6500
6000
5500



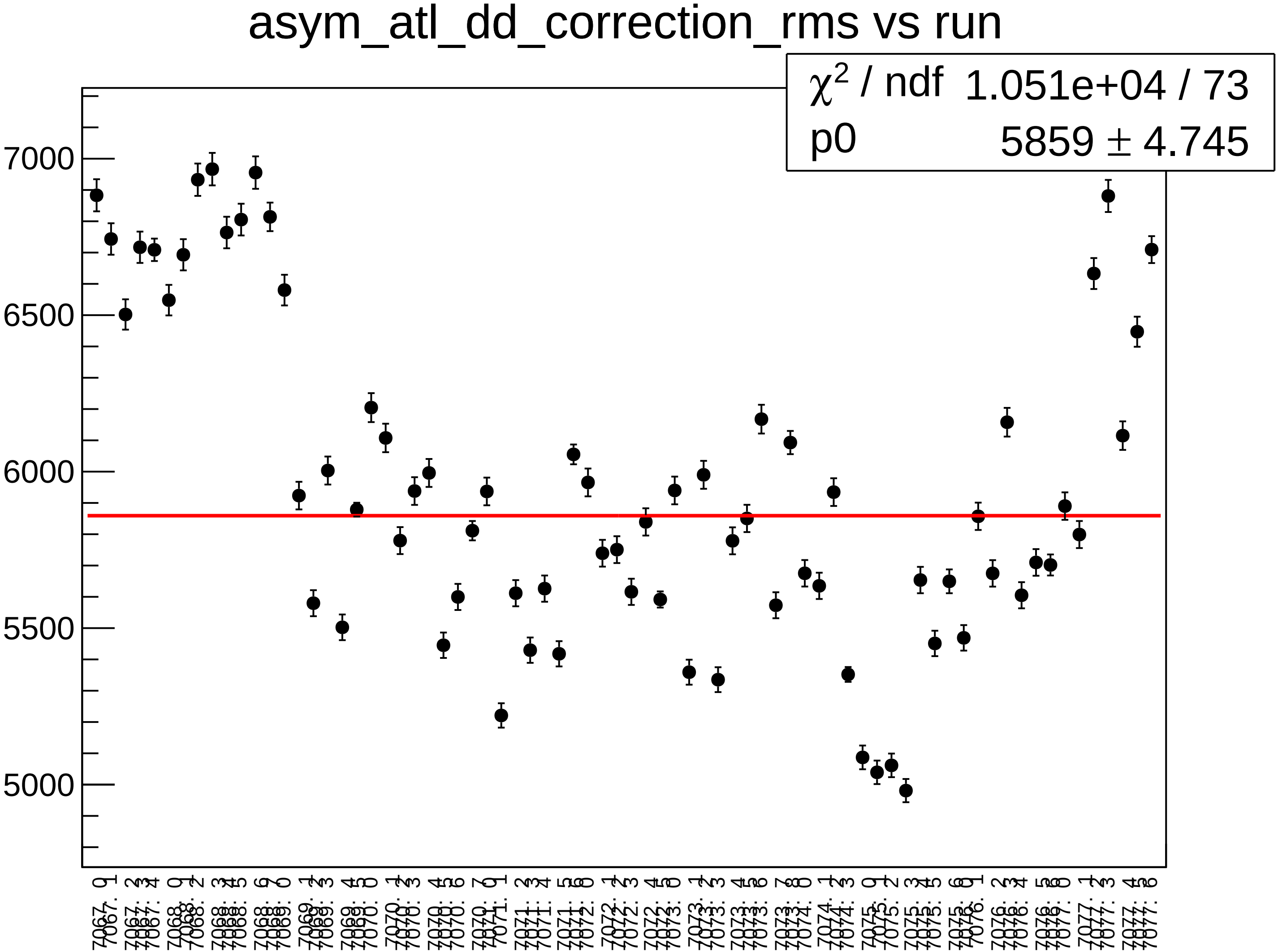
reg_asym_atl_dd_mean vs run
$\times 10^3$
χ^2 / ndf 68.96 / 73
p0 1743 ± 2042
pull
Entries 74
Mean 4.561
Std Dev 62.18
pull1D
Entries 74
Mean 0.01351
Std Dev 0.9653

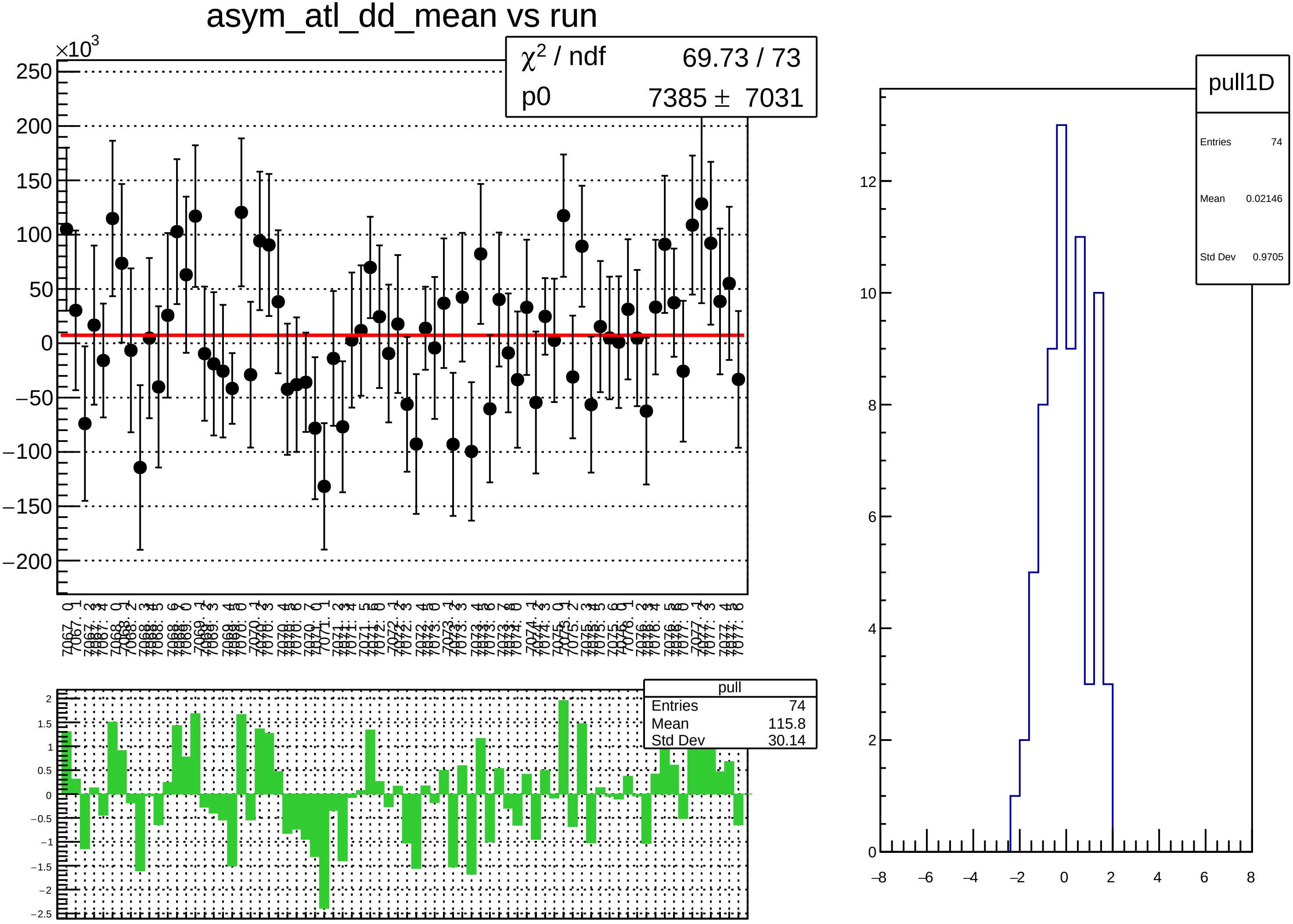


reg_asym_atl_dd_rms vs run
χ^2 / ndf 8427 / 73
p0 1784 ± 1.444
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

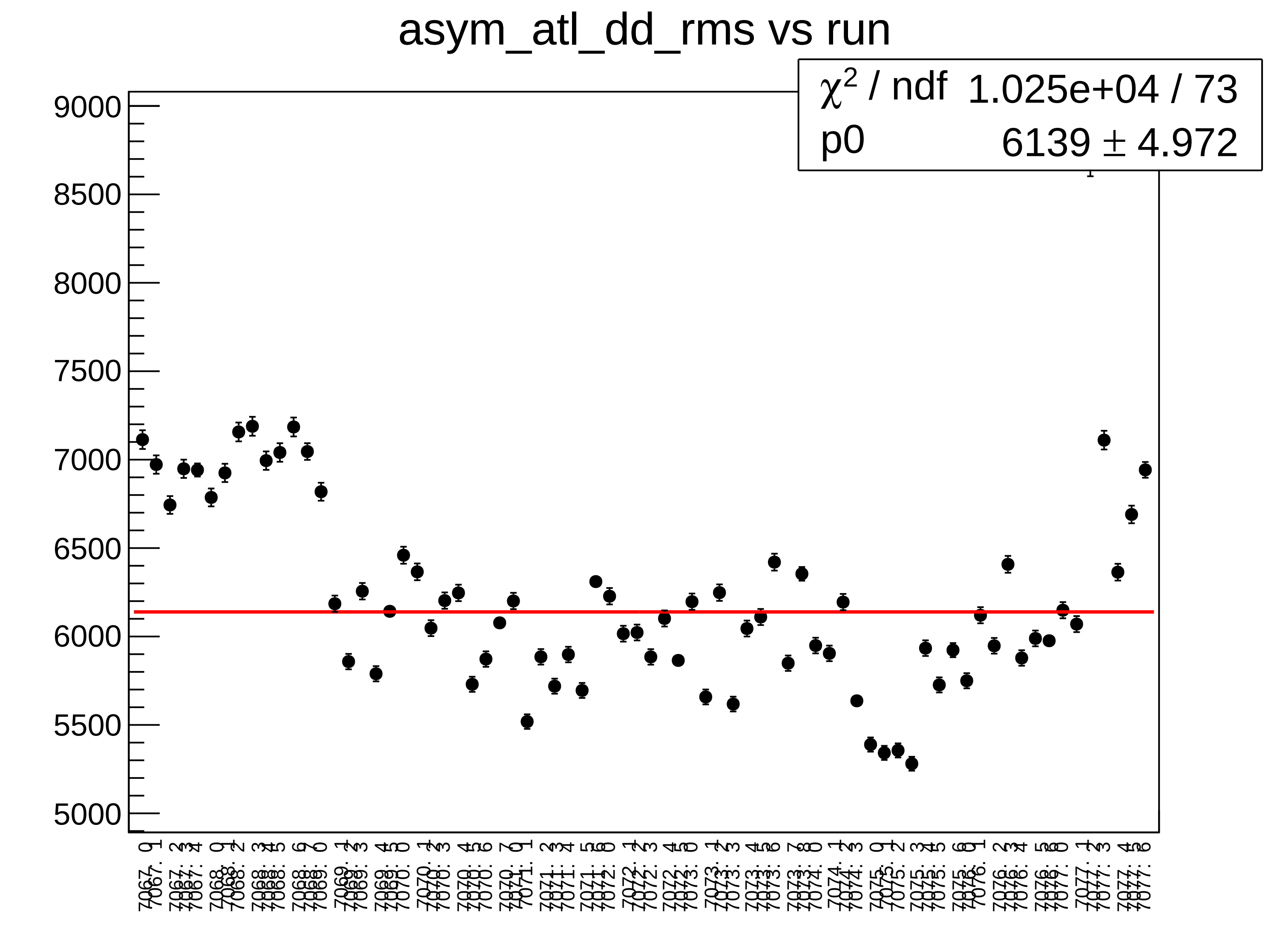


asym_atl_dd_correction_mean vs run
χ2 / ndf 73.36 / 73
p0 −5944 ± 6711
pull
Entries 74
Mean 169.2
Std Dev 102.4
pull1D
Entries 74
Mean −0.01389
Std Dev 0.9956

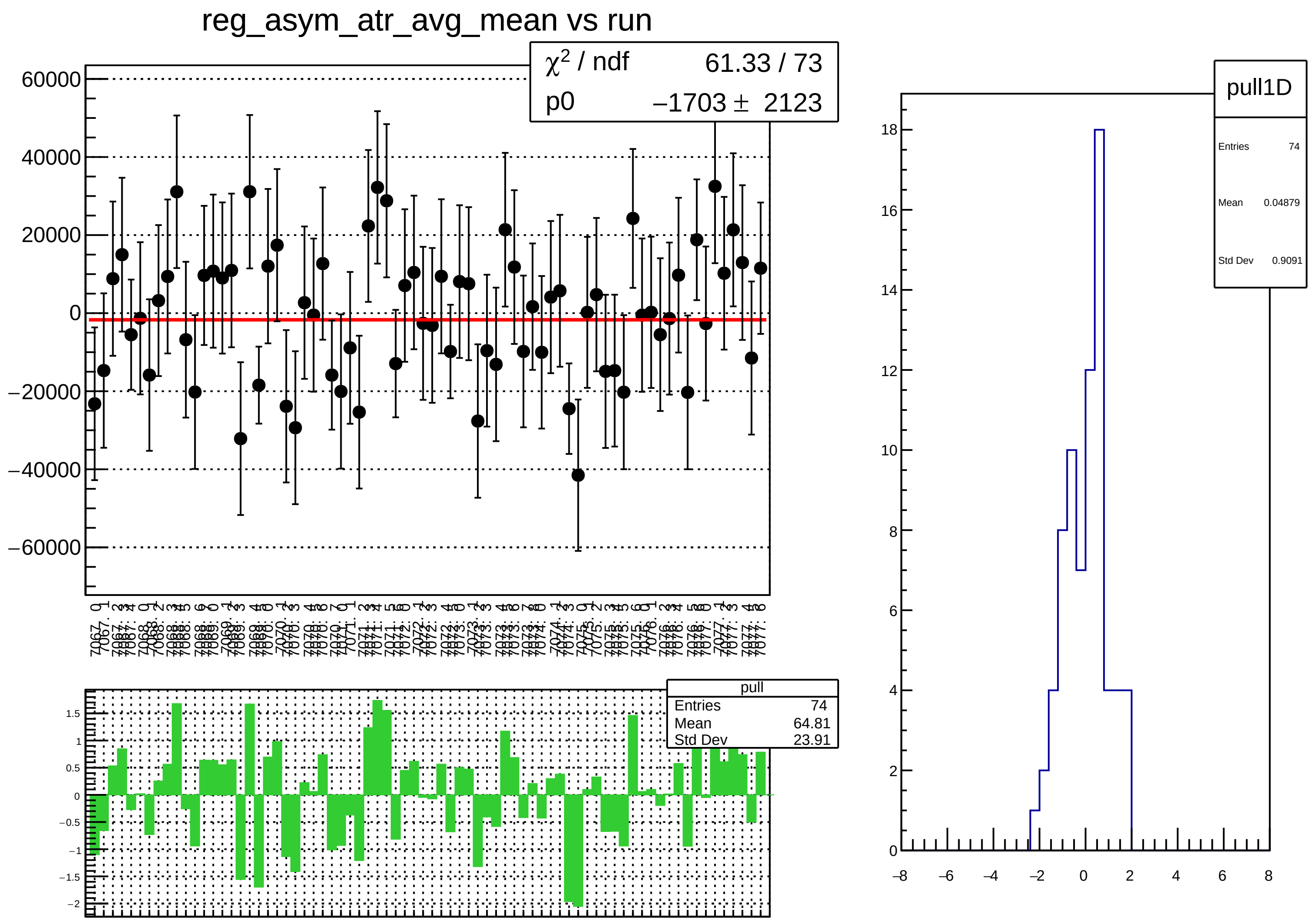

asym_atl_dd_correction_rms vs run
χ^2 / ndf 1.051e+04 / 73
p0 5859 ± 4.745
7000
6500
6000
5500
5000



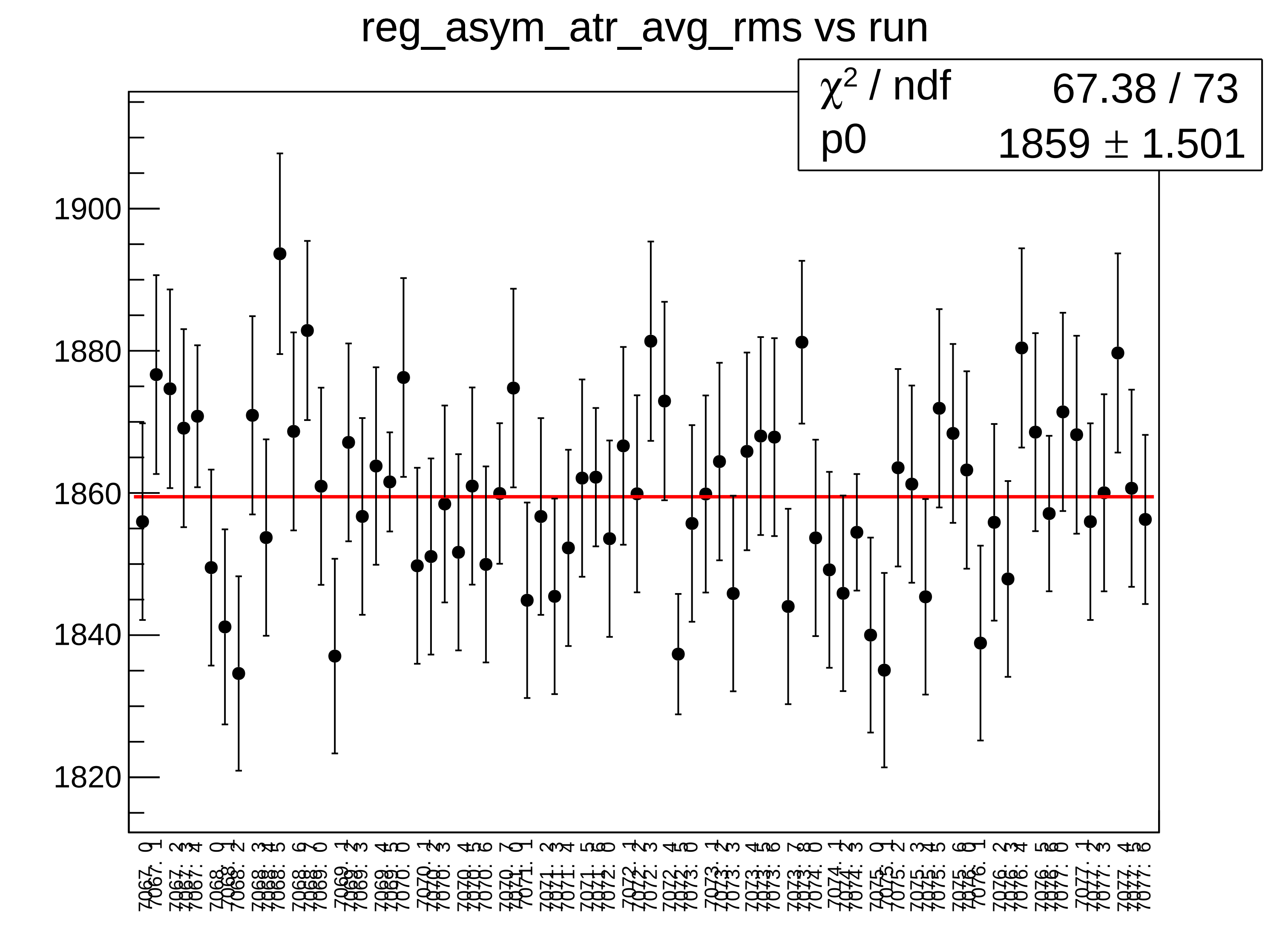
asym_atl_dd_mean vs run
$\times10^3$
250
200
150
100
50
0
−50
−100
−150
−200
χ^2 / ndf 69.73 / 73
p0 7385 ± 7031
pull
Entries 74
Mean 115.8
Std Dev 30.14
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 74
Mean 0.02146
Std Dev 0.9705
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



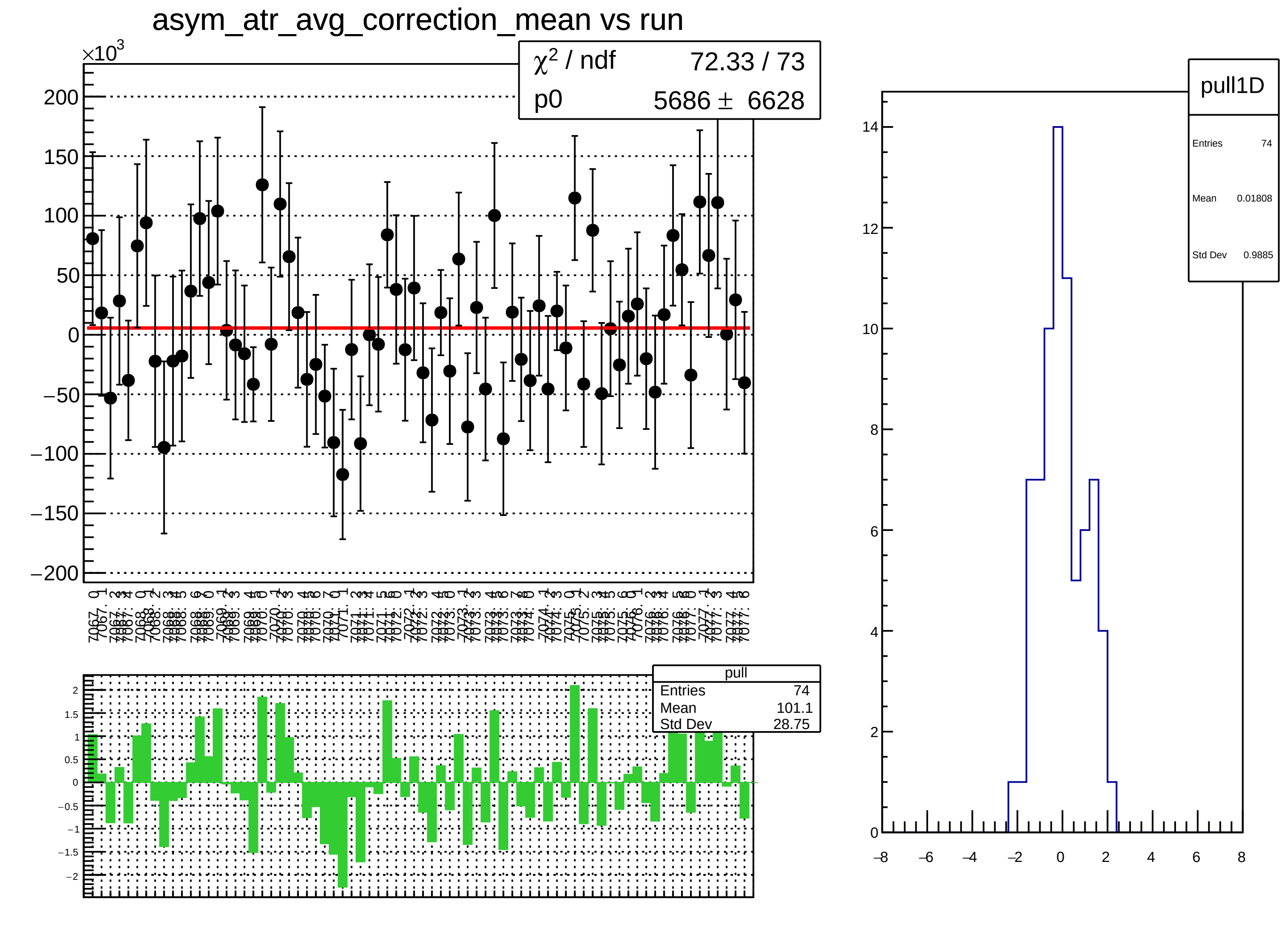
asym_atl_dd_rms vs run
χ2 / ndf 1.025e+04 / 73
p0 6139 ± 4.972
9000
8500
8000
7500
7000
6500
6000
5500
5000

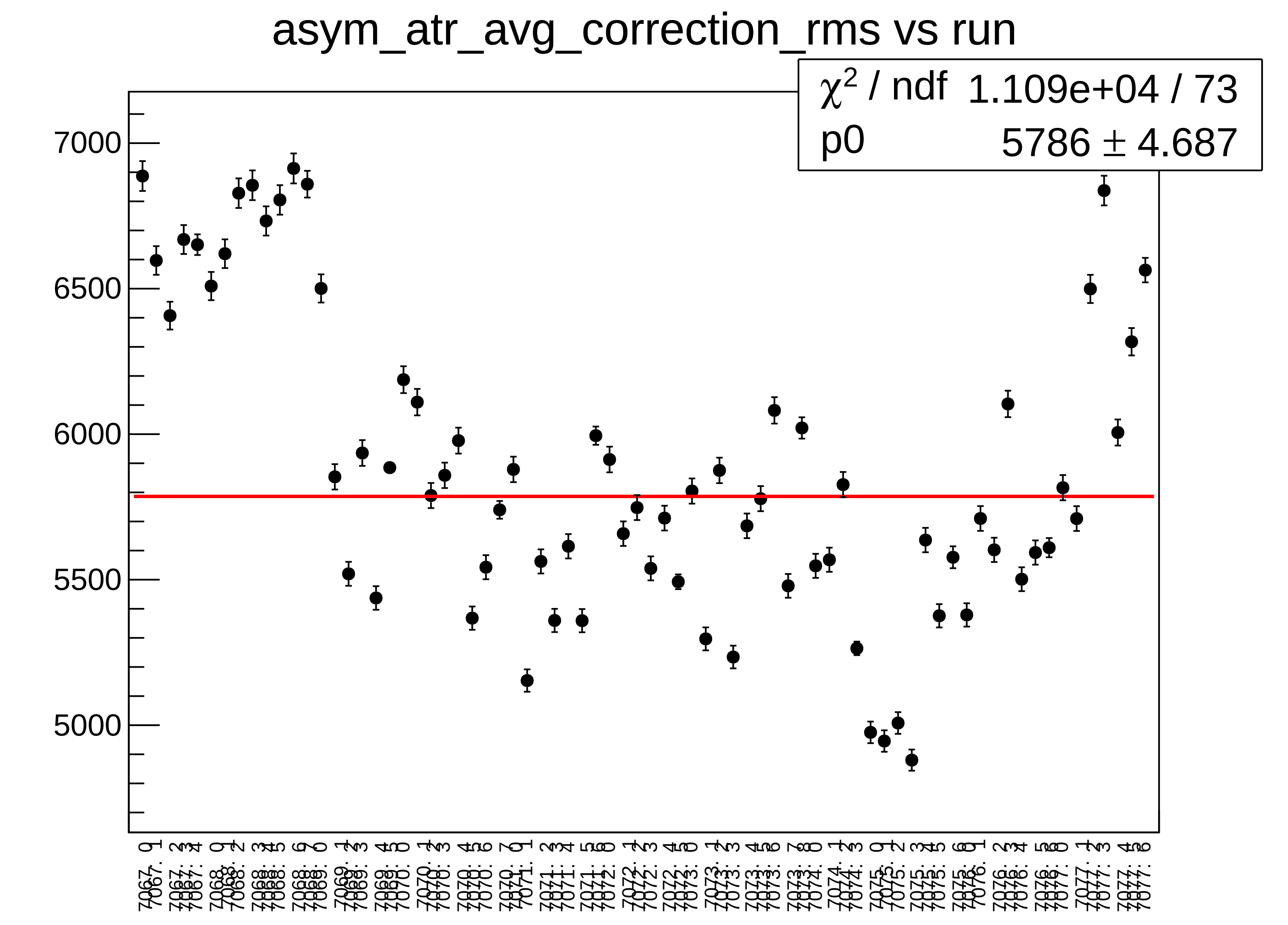


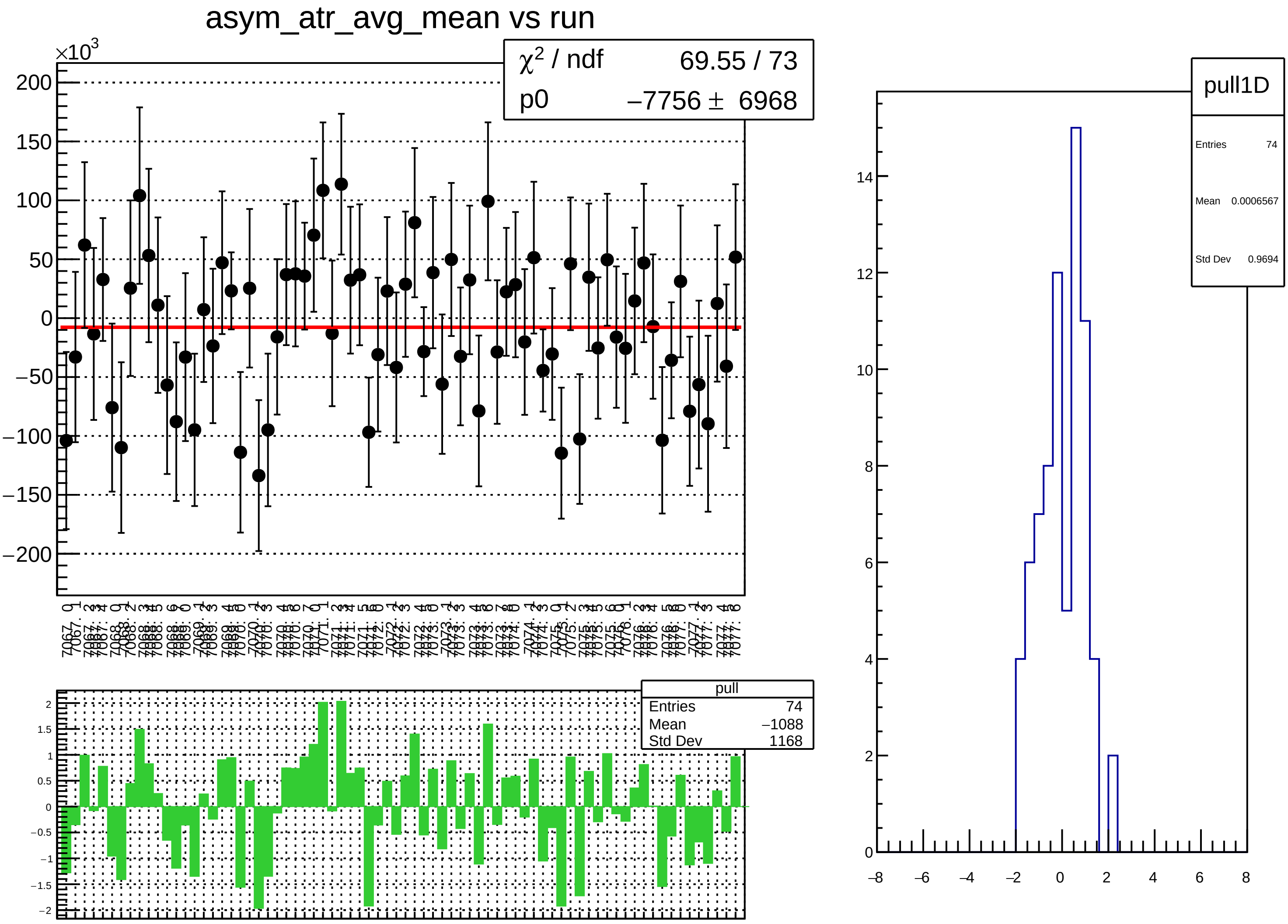
reg_asym_atr_avg_mean vs run
χ^2 / ndf 61.33 / 73
p0 −1703 ± 2123
pull
Entries 74
Mean 64.81
Std Dev 23.91
pull1D
Entries 74
Mean 0.04879
Std Dev 0.9091



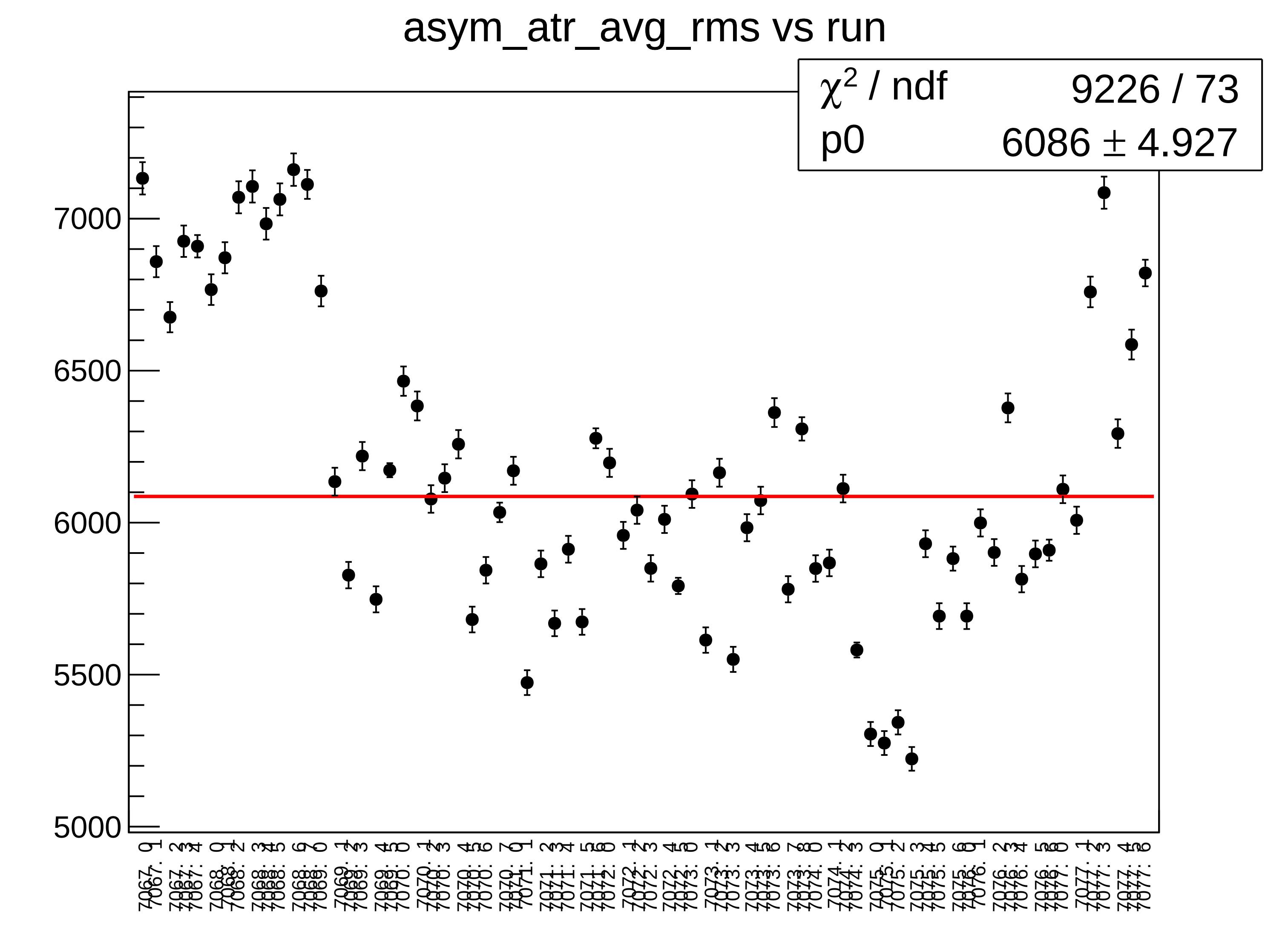
reg_asym_atr_avg_rms vs run
χ^2 / ndf 67.38 / 73
p0 1859 ± 1.501
1900
1880
1860
1840
1820

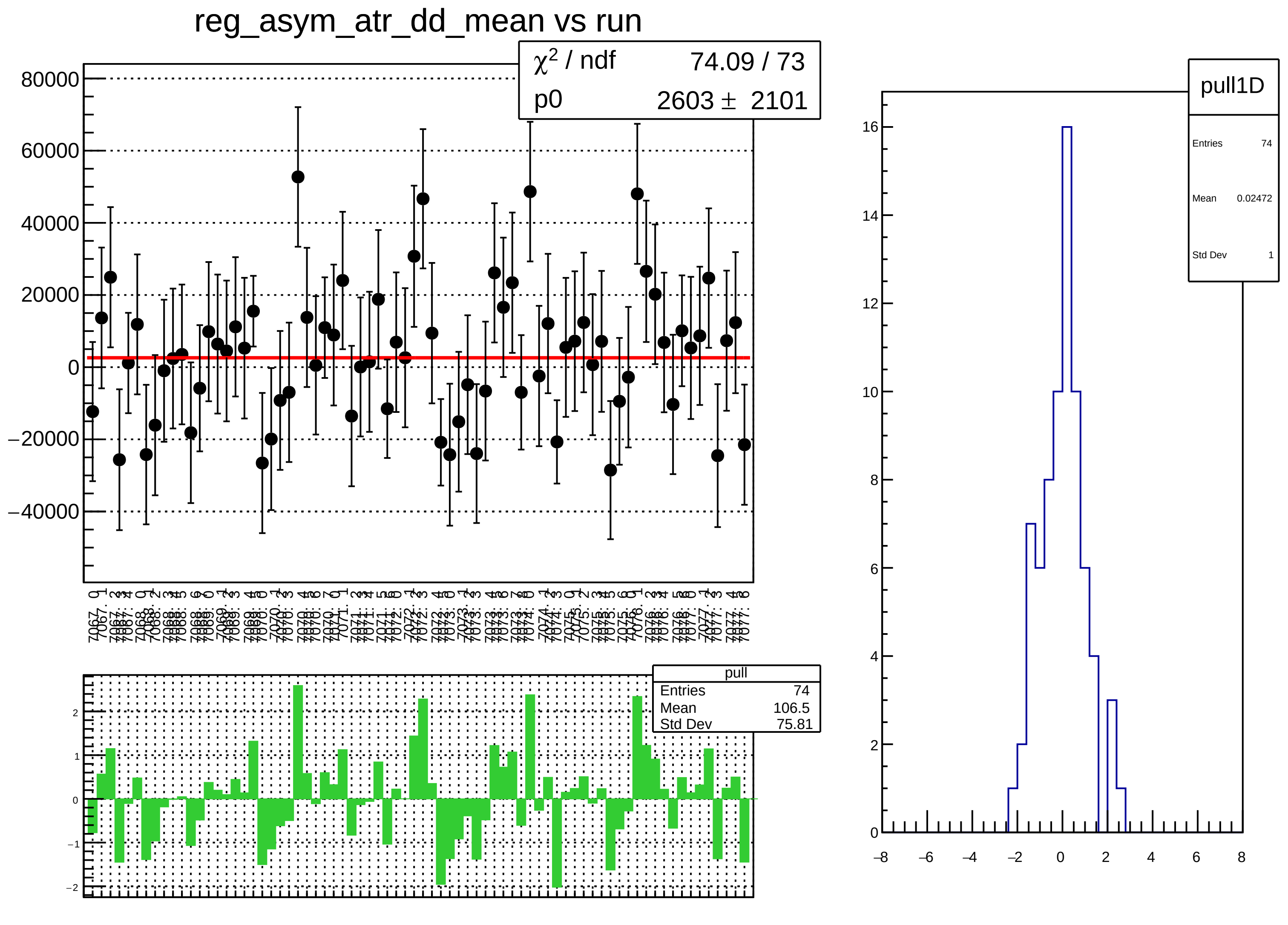

asym_atr_avg_correction_mean vs run
×10^3
χ2 / ndf 72.33 / 73
p0 5686 ± 6628
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 74
Mean 101.1
Std Dev 28.75
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.01808
Std Dev 0.9885
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

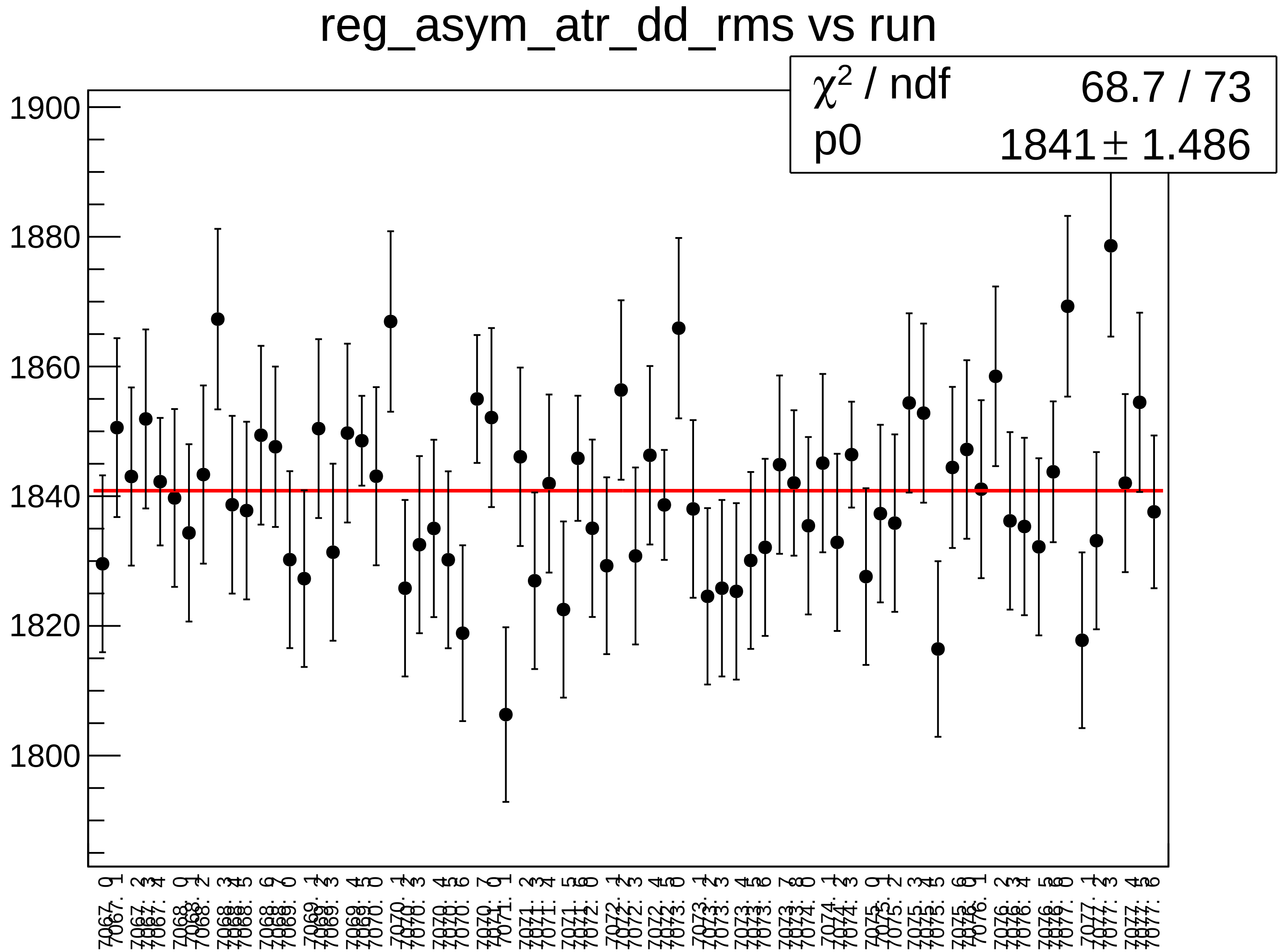

asym_atr_avg_correction_rms vs run
χ² / ndf 1.109e+04 / 73
p0 5786 ± 4.687
7000
6500
6000
5500
5000



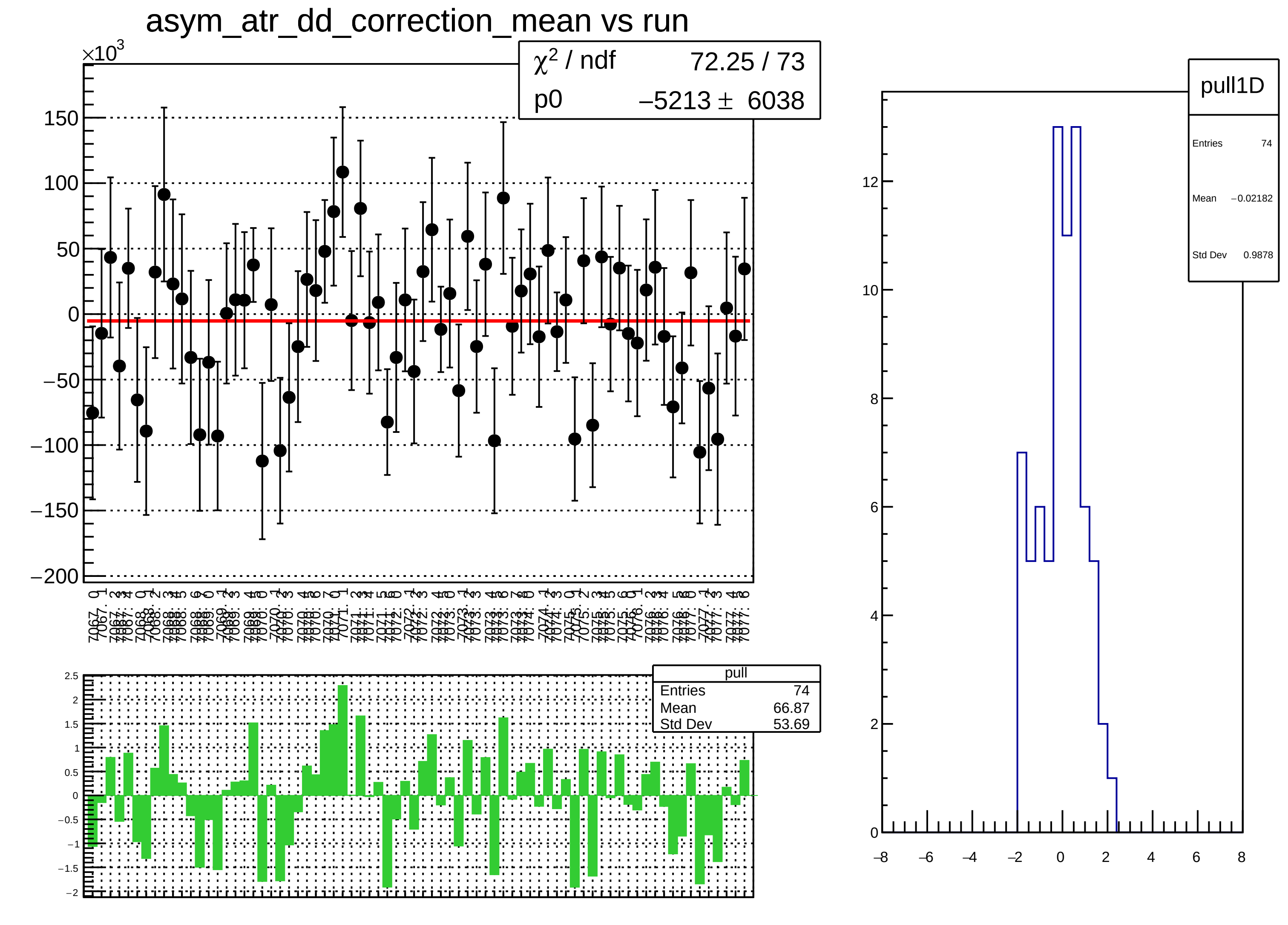
asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 69.55 / 73
p0 −7756 ± 6968
pull
Entries 74
Mean −1088
Std Dev 1168
pull1D
Entries 74
Mean 0.0006567
Std Dev 0.9694


asym_atr_avg_rms vs run
χ^2 / ndf 9226 / 73
p0 6086 ± 4.927
7000
6500
6000
5500
5000


reg_asym_atr_dd_mean vs run
χ^2 / ndf 74.09 / 73
p0 2603 ± 2101
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 74
Mean 106.5
Std Dev 75.81
pull1D
Entries 74
Mean 0.02472
Std Dev 1

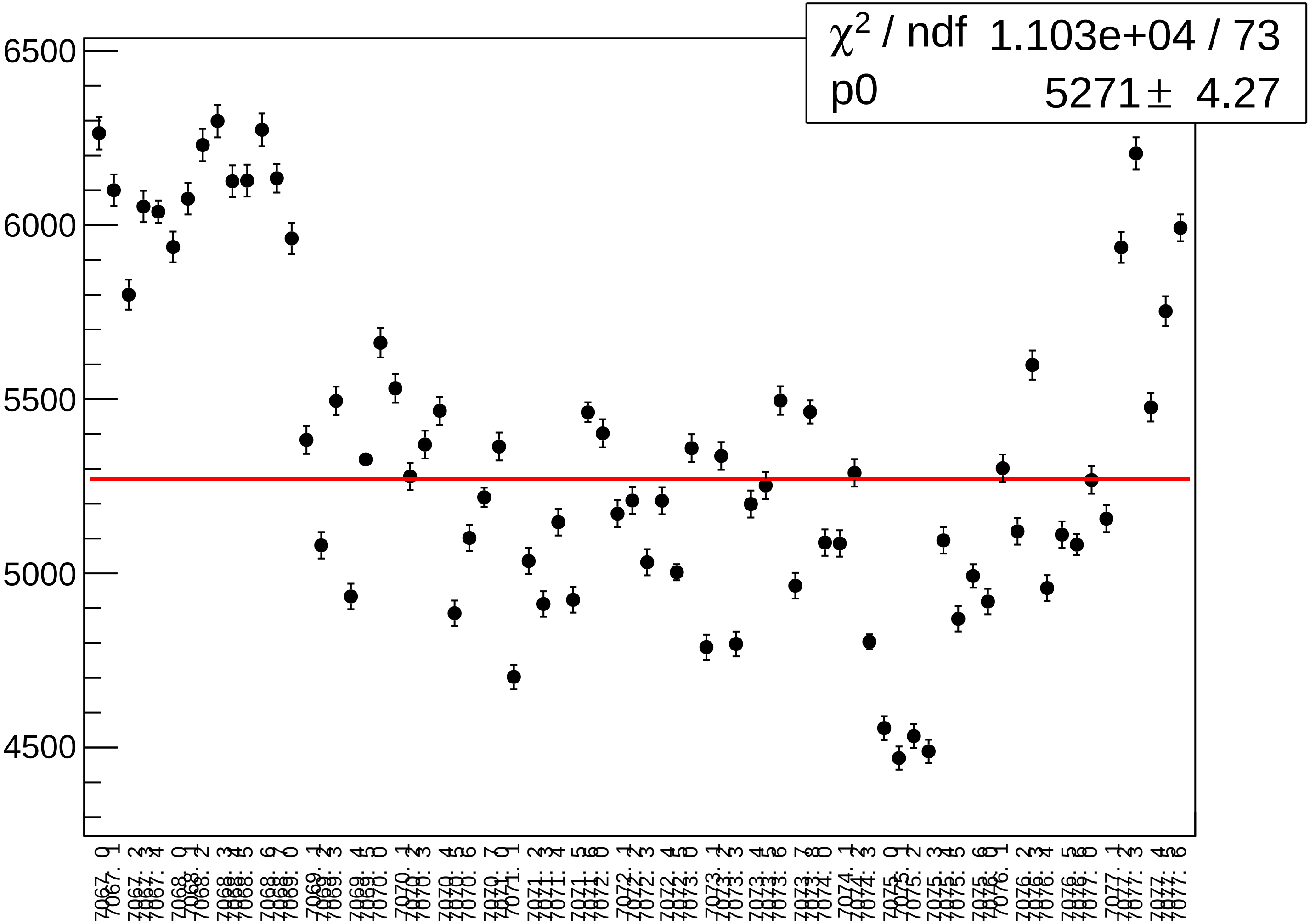


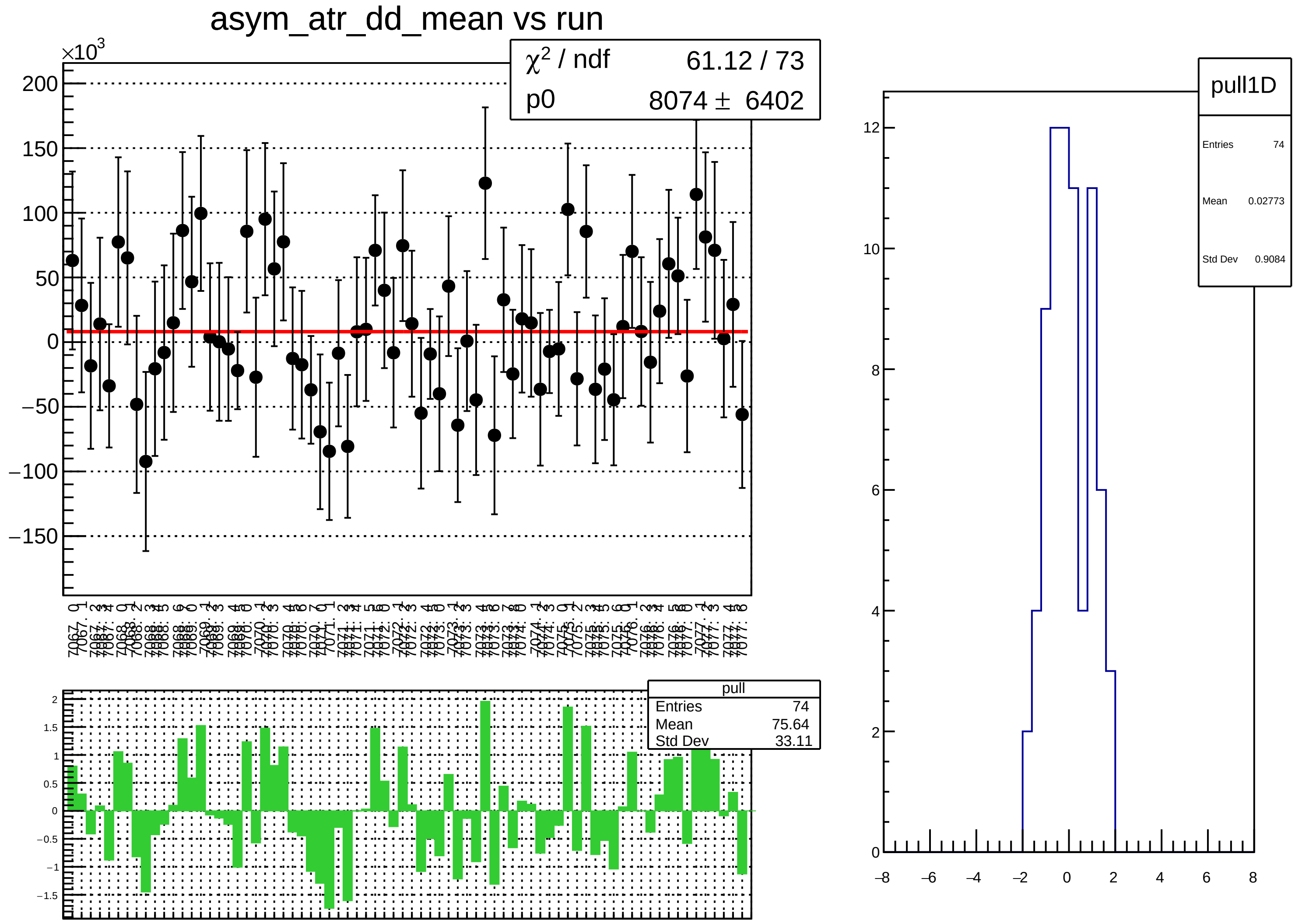
reg_asym_atr_dd_rms vs run
χ2 / ndf 68.7 / 73
p0 1841 ± 1.486
1900
1880
1860
1840
1820
1800

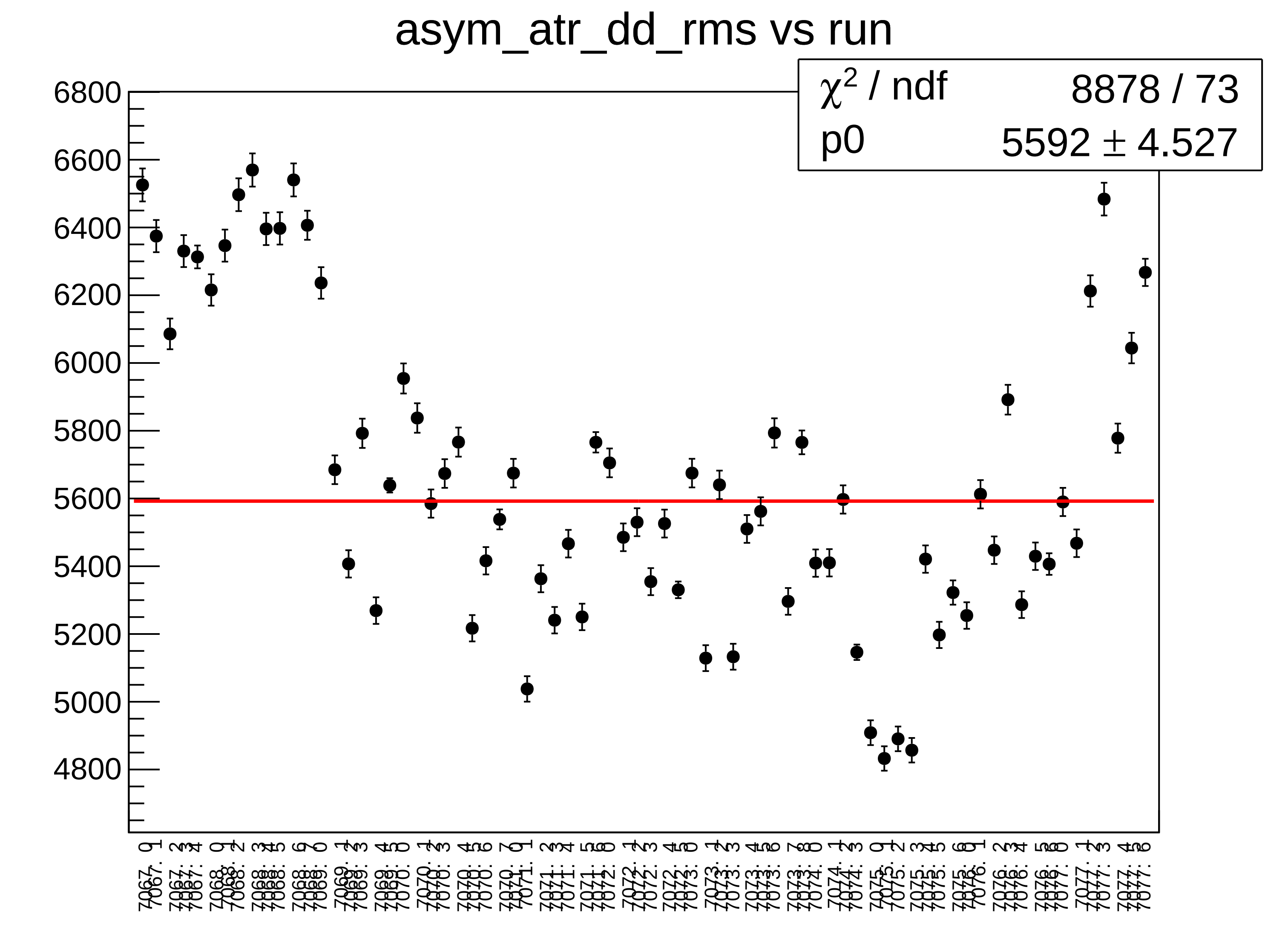


asym_atr_dd_correction_mean vs run
×10^3
χ2 / ndf 72.25 / 73
p0 −5213 ± 6038
pull
Entries 74
Mean 66.87
Std Dev 53.69
pull1D
Entries 74
Mean −0.02182
Std Dev 0.9878

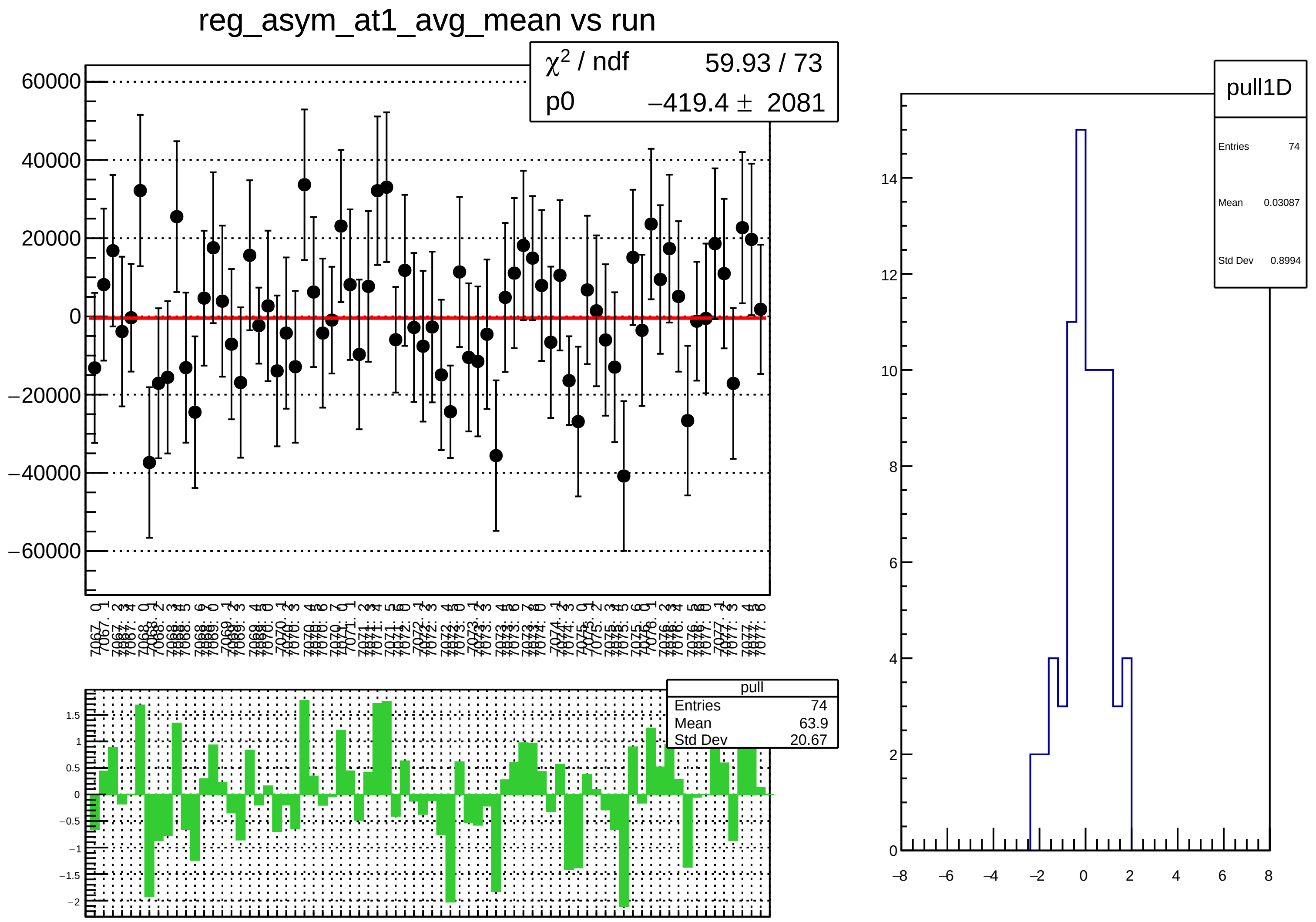
asym_atr_dd_correction_rms vs run



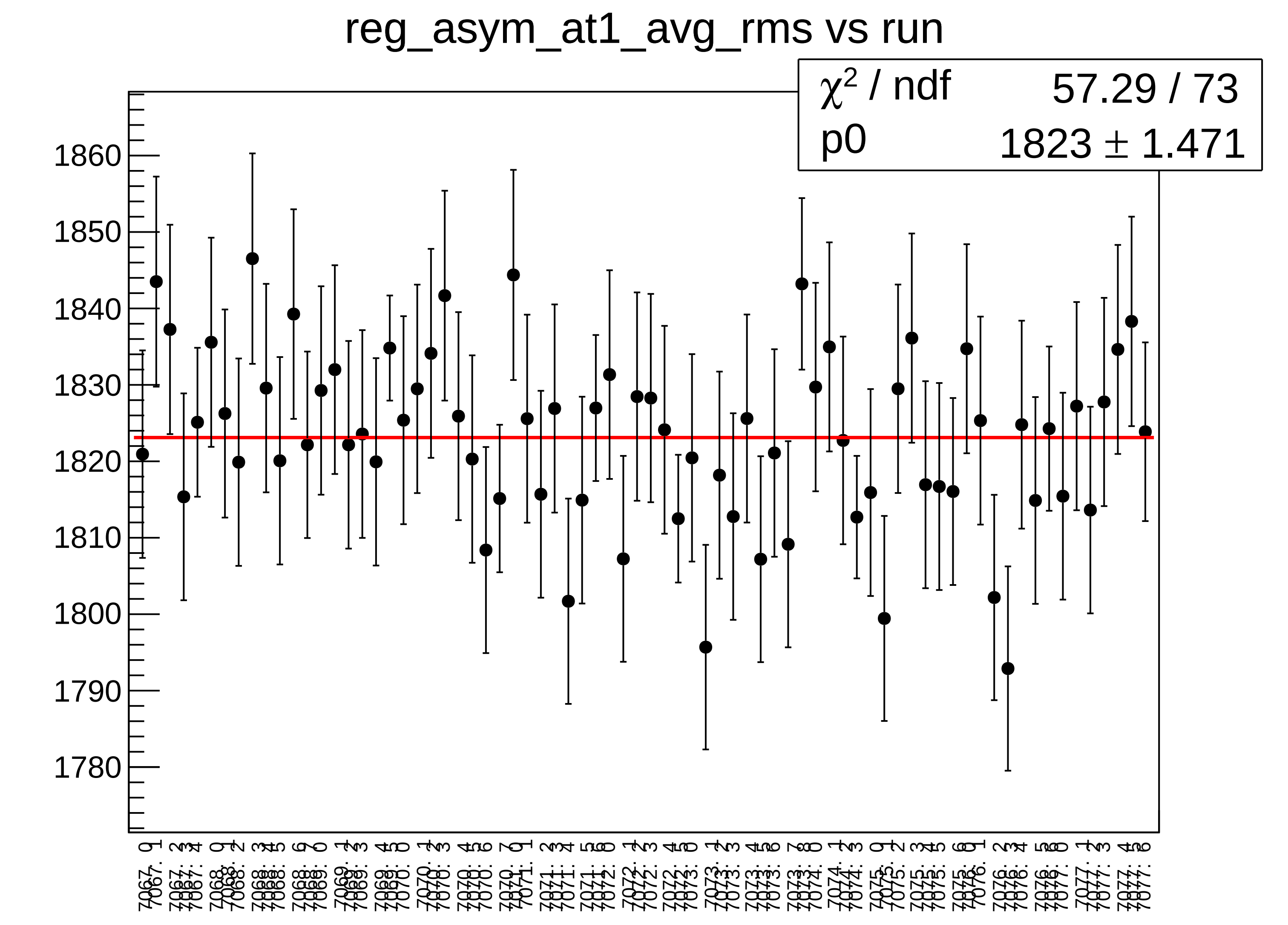

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 61.12 / 73
p0 8074 ± 6402
pull
Entries 74
Mean 75.64
Std Dev 33.11
pull1D
Entries 74
Mean 0.02773
Std Dev 0.9084

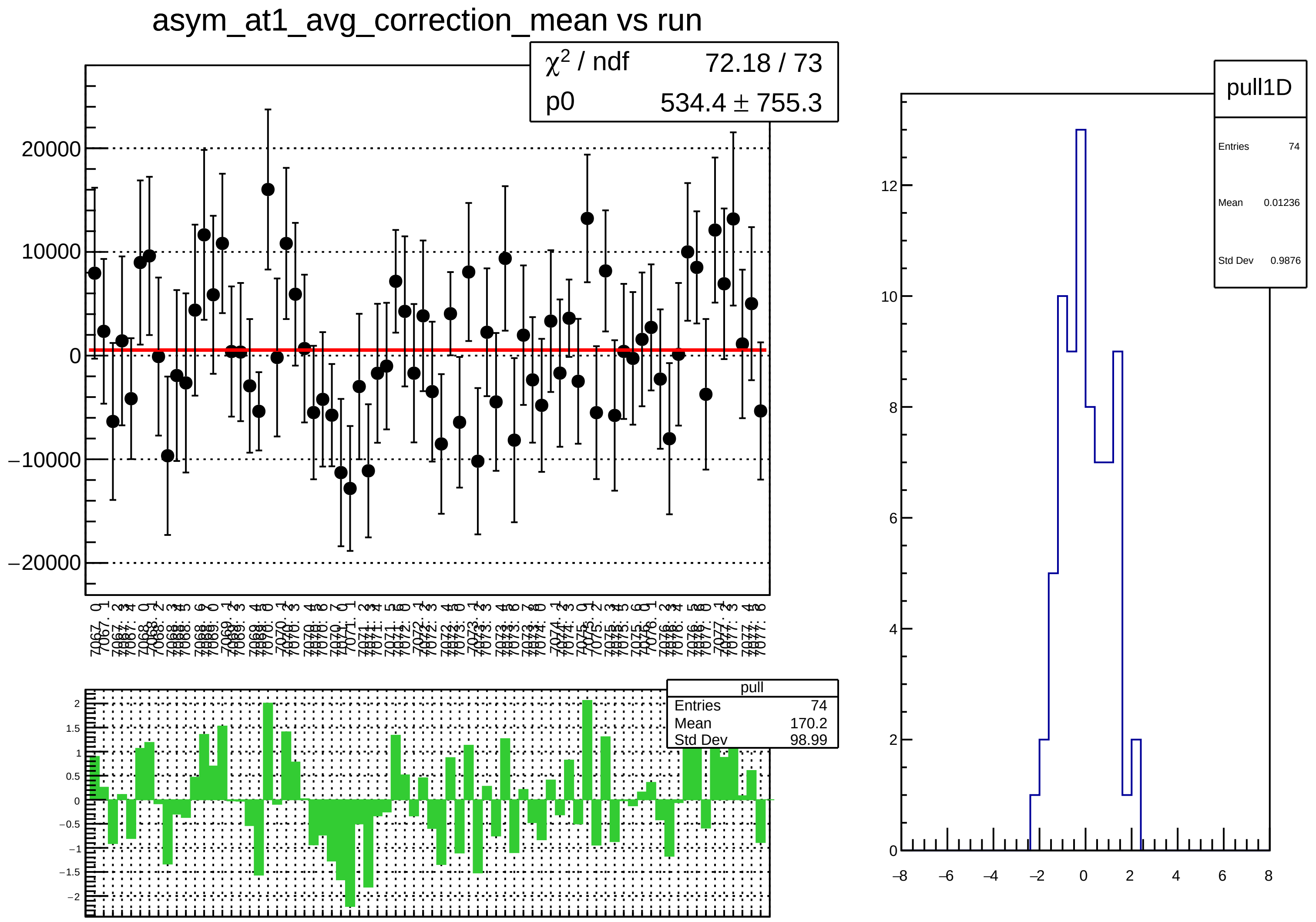


asym_atr_dd_rms vs run
χ^2 / ndf 8878 / 73
p0 5592 ± 4.527
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

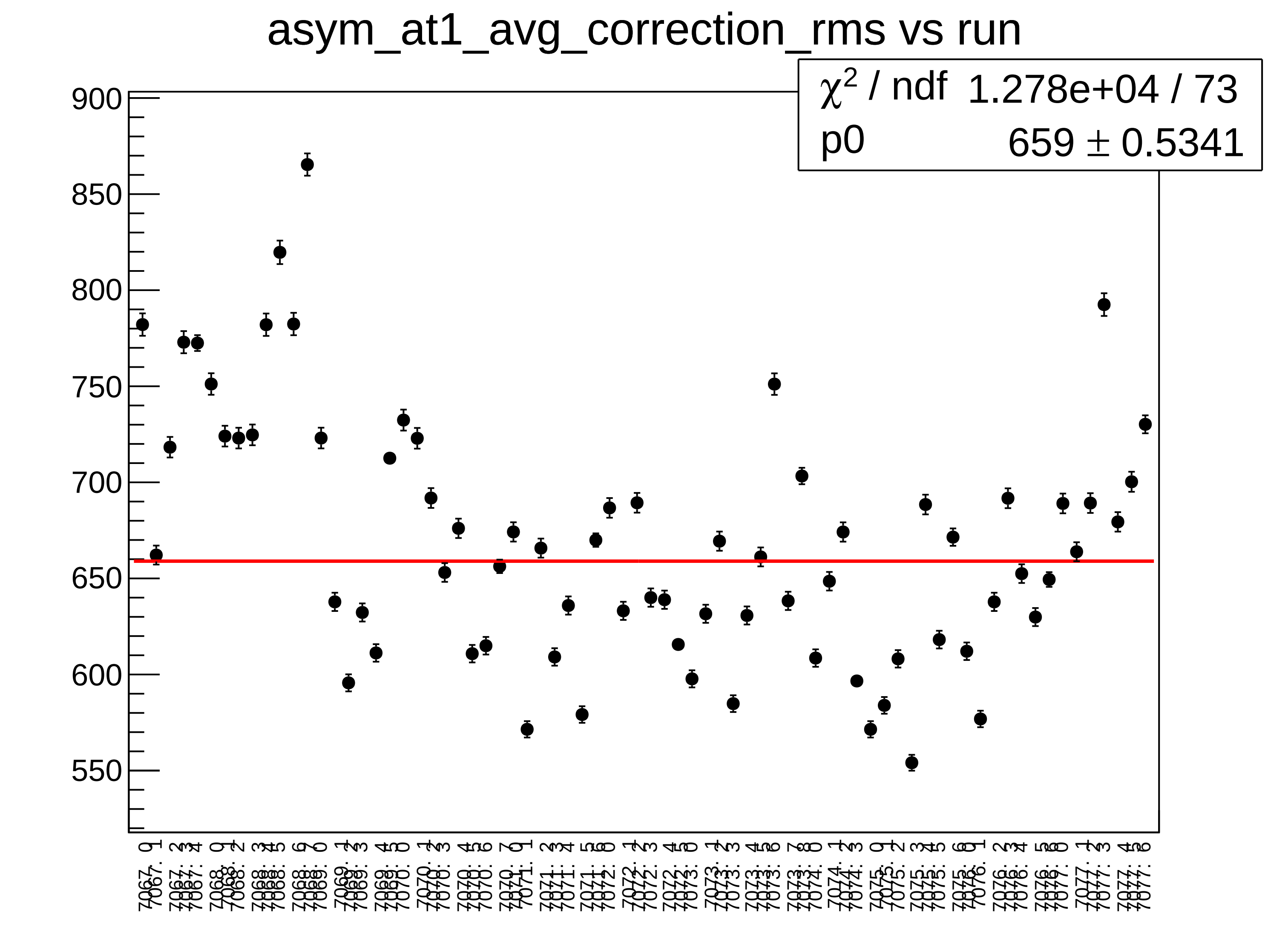


reg_asym_at1_avg_mean vs run
χ2 / ndf 59.93 / 73
p0 −419.4 ± 2081
pull
Entries 74
Mean 63.9
Std Dev 20.67
pull1D
Entries 74
Mean 0.03087
Std Dev 0.8994


reg_asym_at1_avg_rms vs run
χ2 / ndf 57.29 / 73
p0 1823 ± 1.471
1860
1850
1840
1830
1820
1810
1800
1790
1780

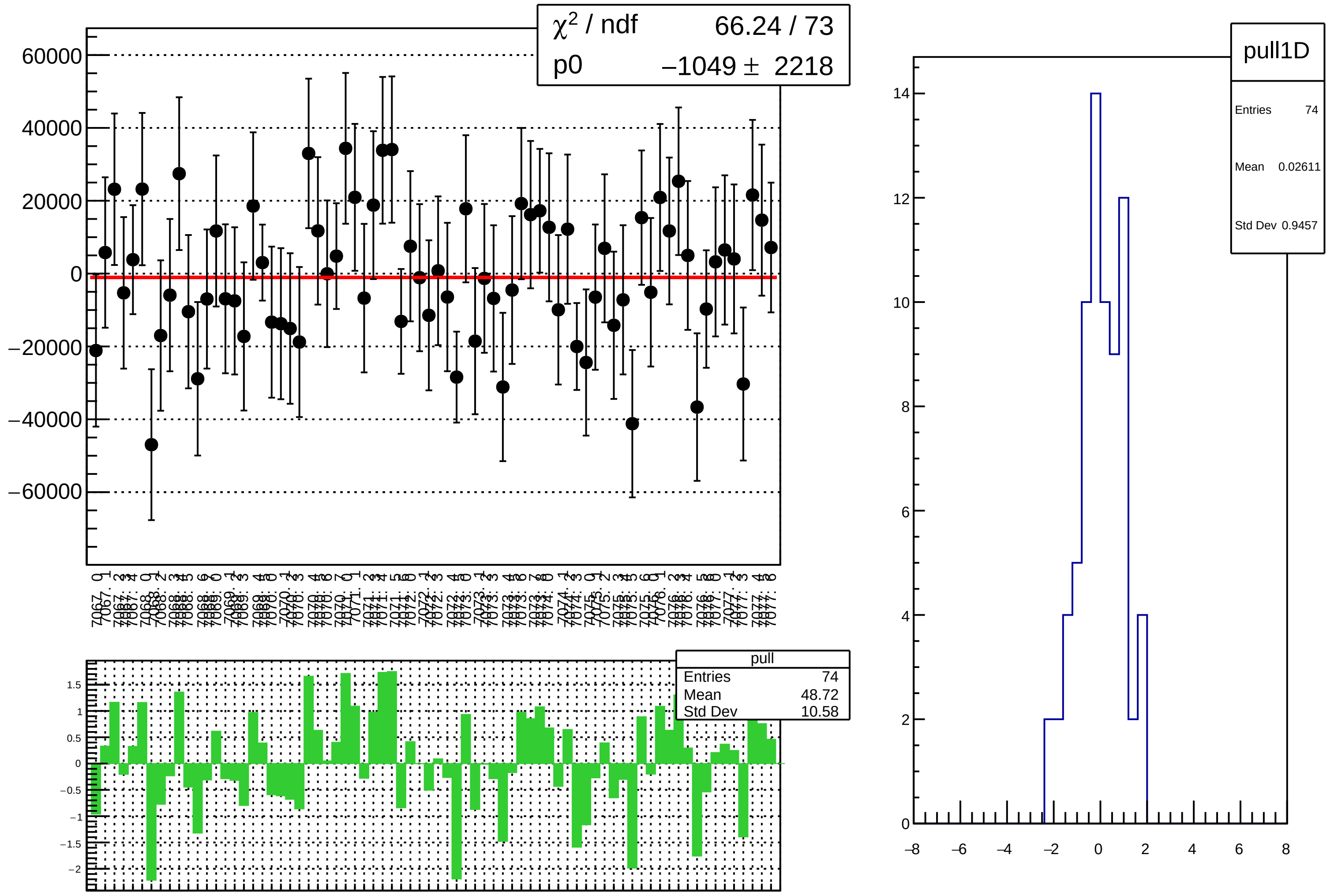


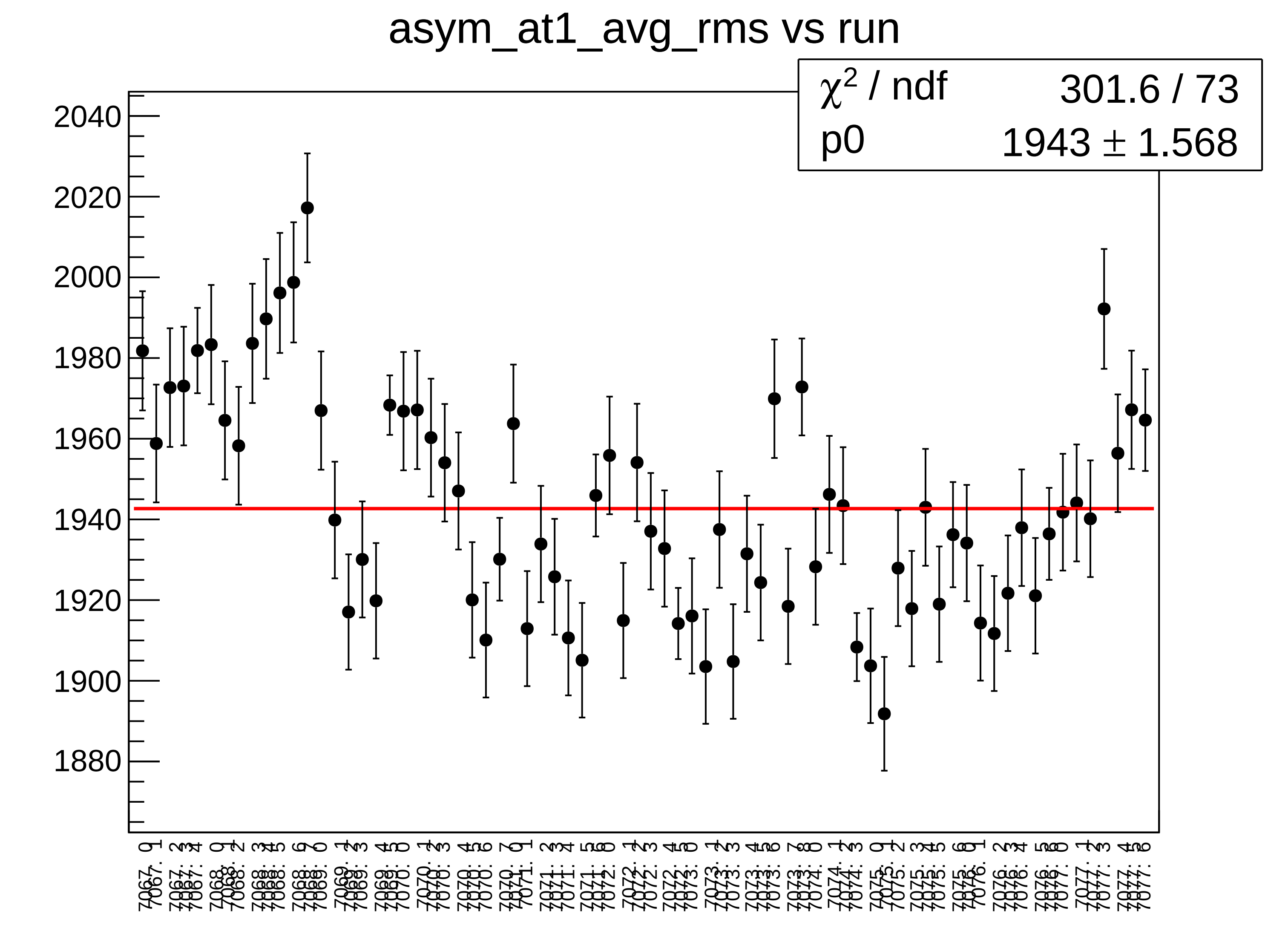
asym_at1_avg_correction_mean vs run
χ^2 / ndf 72.18 / 73
p0 534.4 ± 755.3
pull
Entries 74
Mean 170.2
Std Dev 98.99
pull1D
Entries 74
Mean 0.01236
Std Dev 0.9876

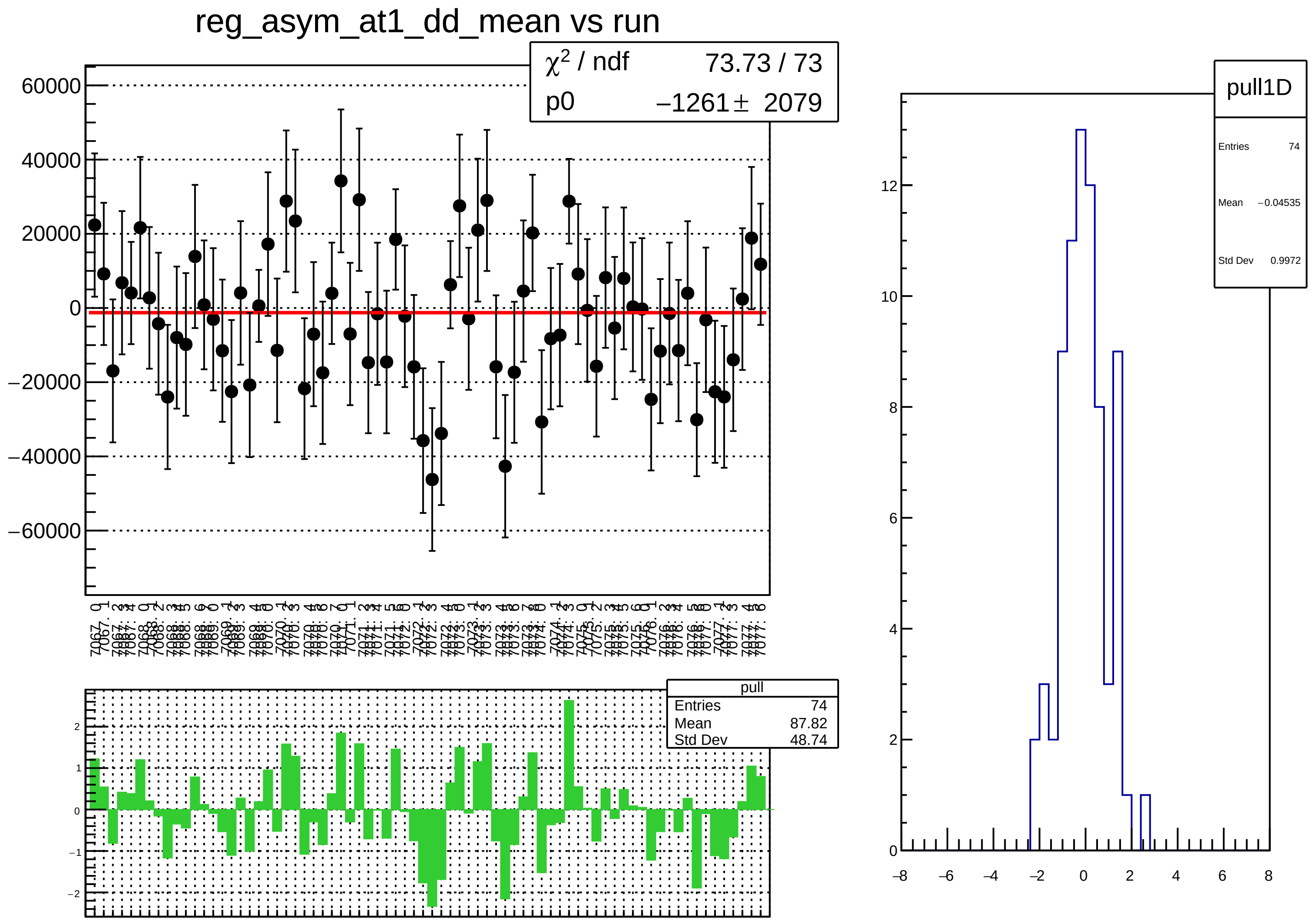


asym_at1_avg_correction_rms vs run
χ^2 / ndf 1.278e+04 / 73
p0 659 ± 0.5341
900
850
800
750
700
650
600
550

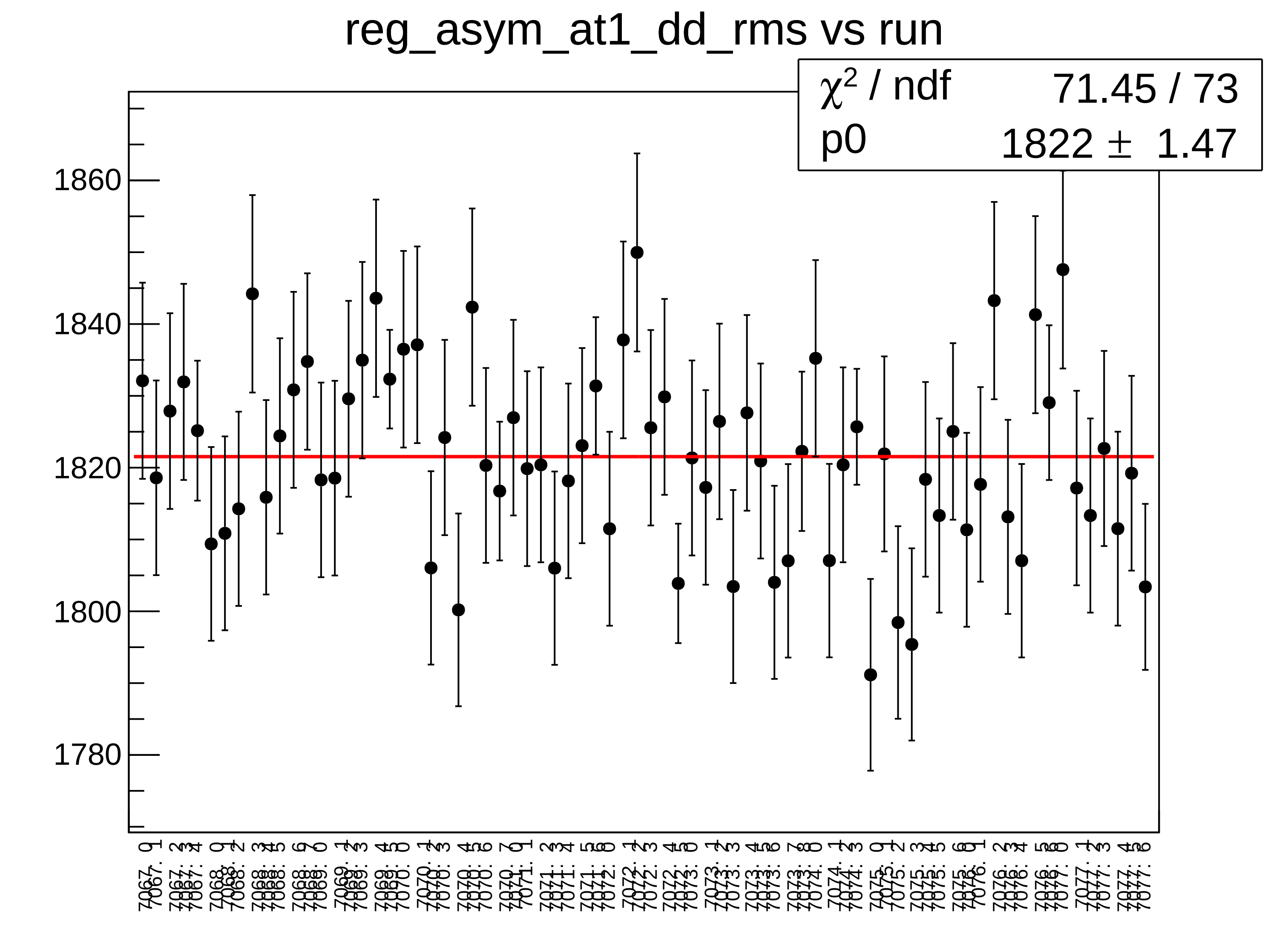
asym_at1_avg_mean vs run

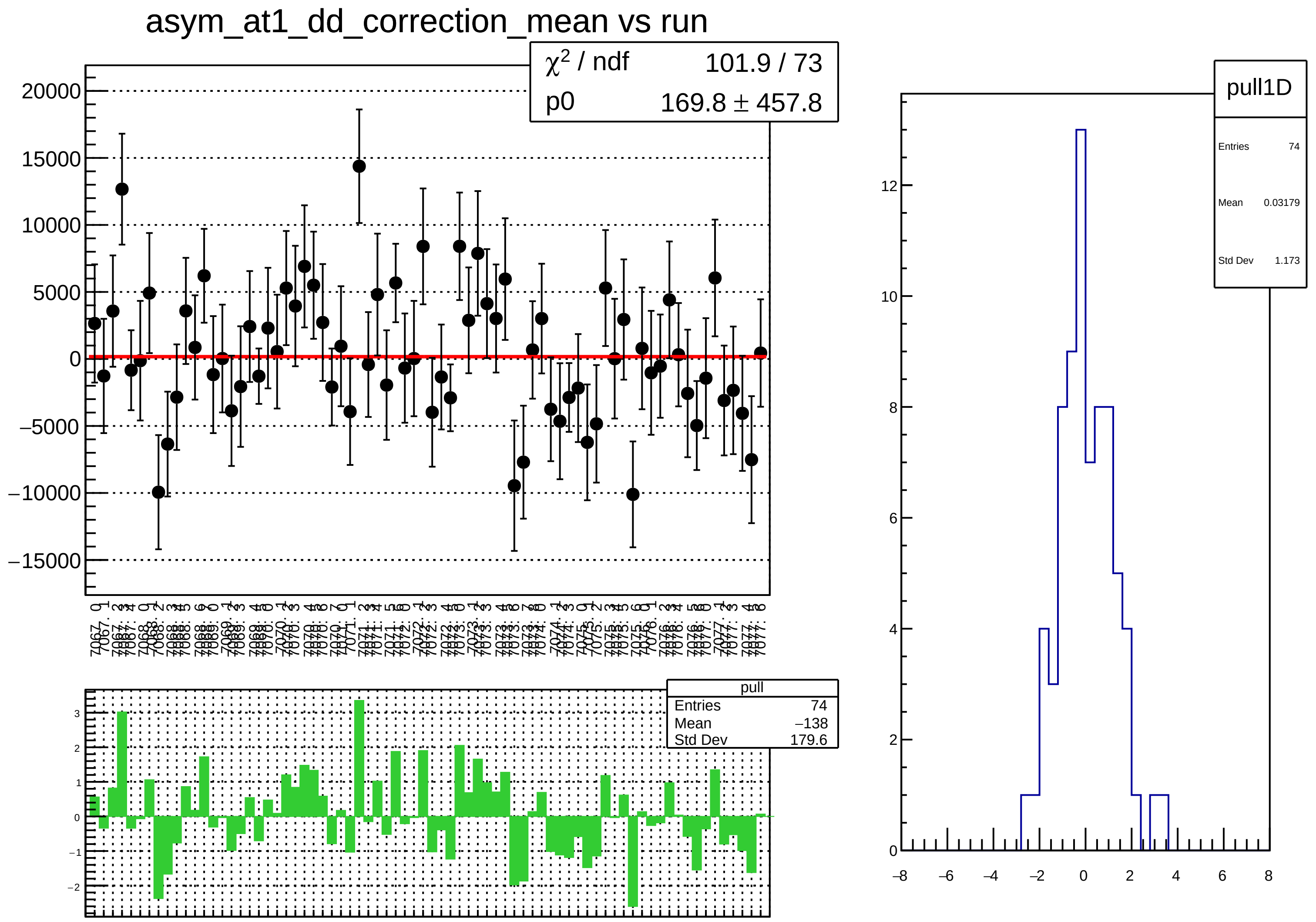



asym_at1_avg_rms vs run
χ^2 / ndf 301.6 / 73
p0 1943 ± 1.568

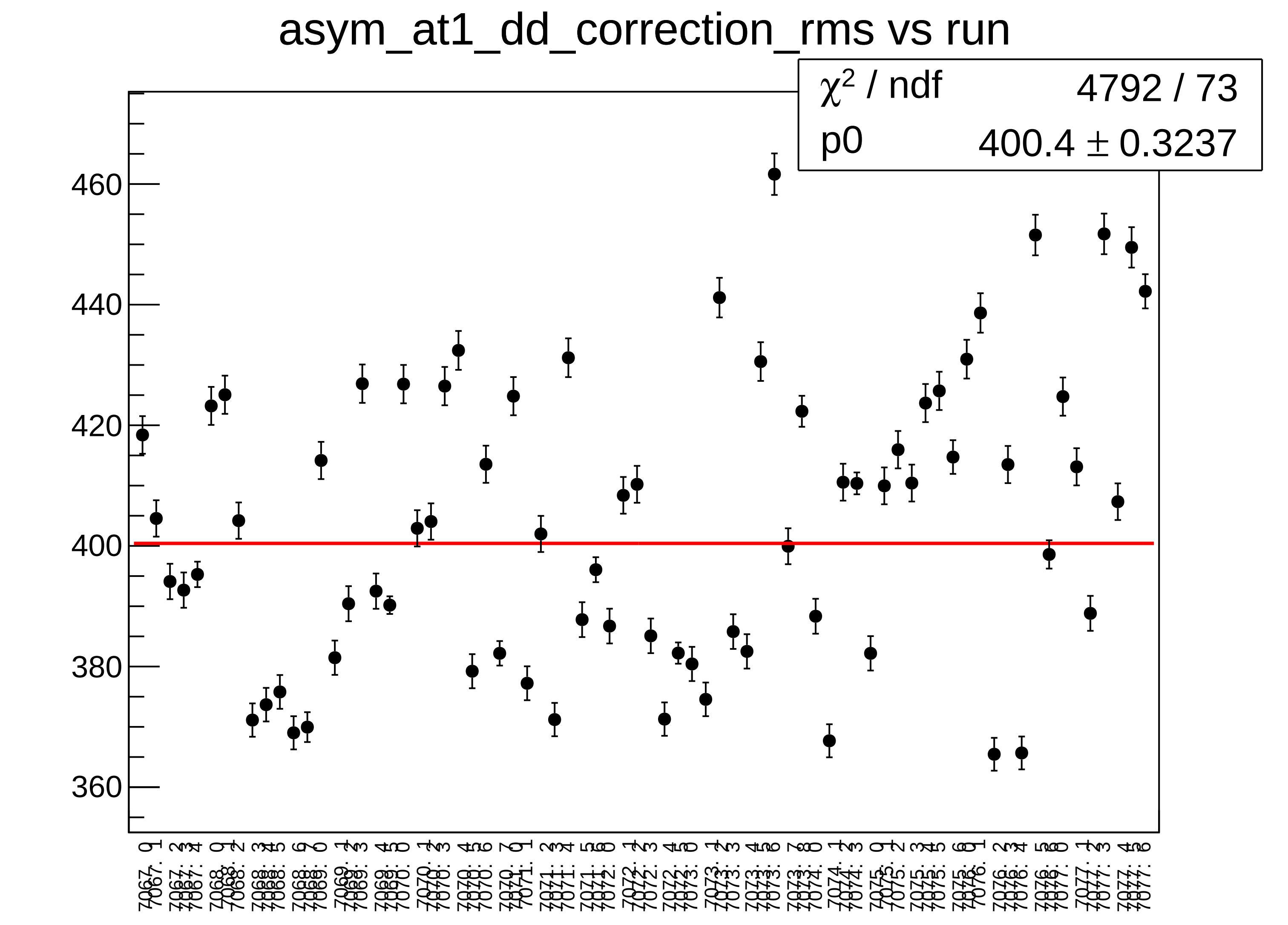


reg_asym_at1_dd_mean vs run
χ^2 / ndf 73.73 / 73
p0 −1261 ± 2079
pull
Entries 74
Mean 87.82
Std Dev 48.74
pull1D
Entries 74
Mean −0.04535
Std Dev 0.9972

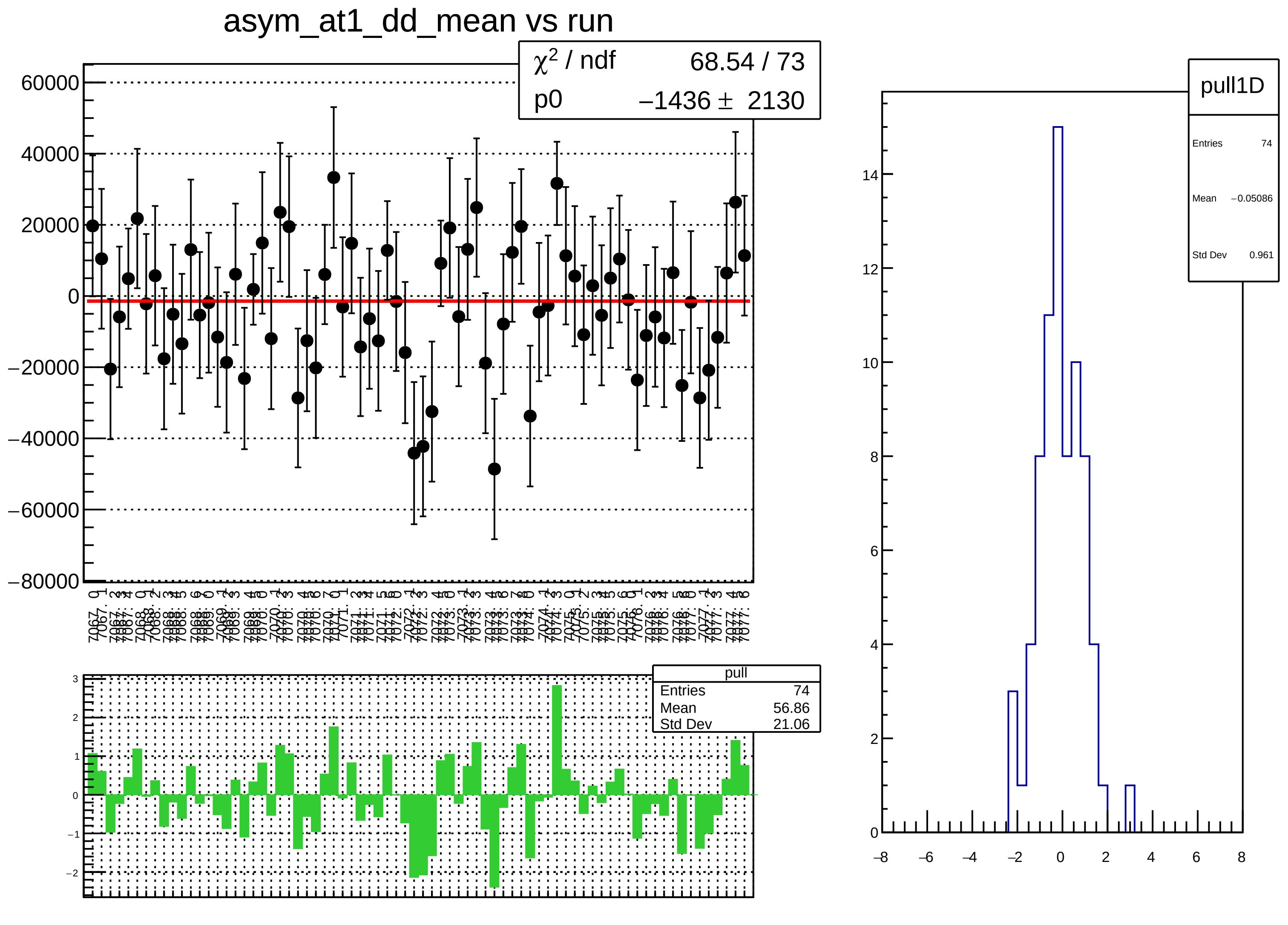

reg_asym_at1_dd_rms vs run
χ^2 / ndf 71.45 / 73
p0 1822 ± 1.47
1860
1840
1820
1800
1780



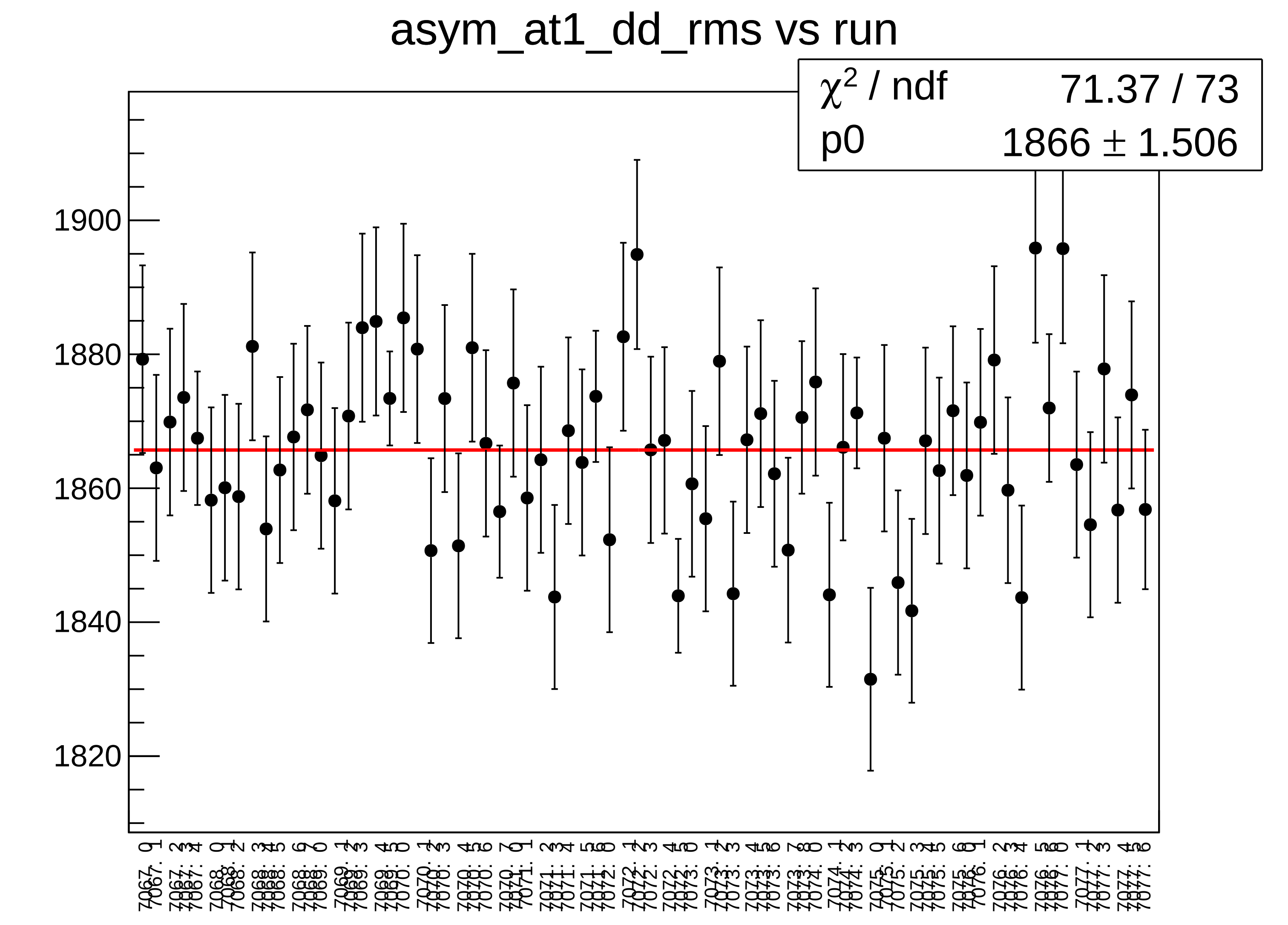
asym_at1_dd_correction_mean vs run
χ^2 / ndf 101.9 / 73
p0 169.8 ± 457.8
pull
Entries 74
Mean −138
Std Dev 179.6
pull1D
Entries 74
Mean 0.03179
Std Dev 1.173



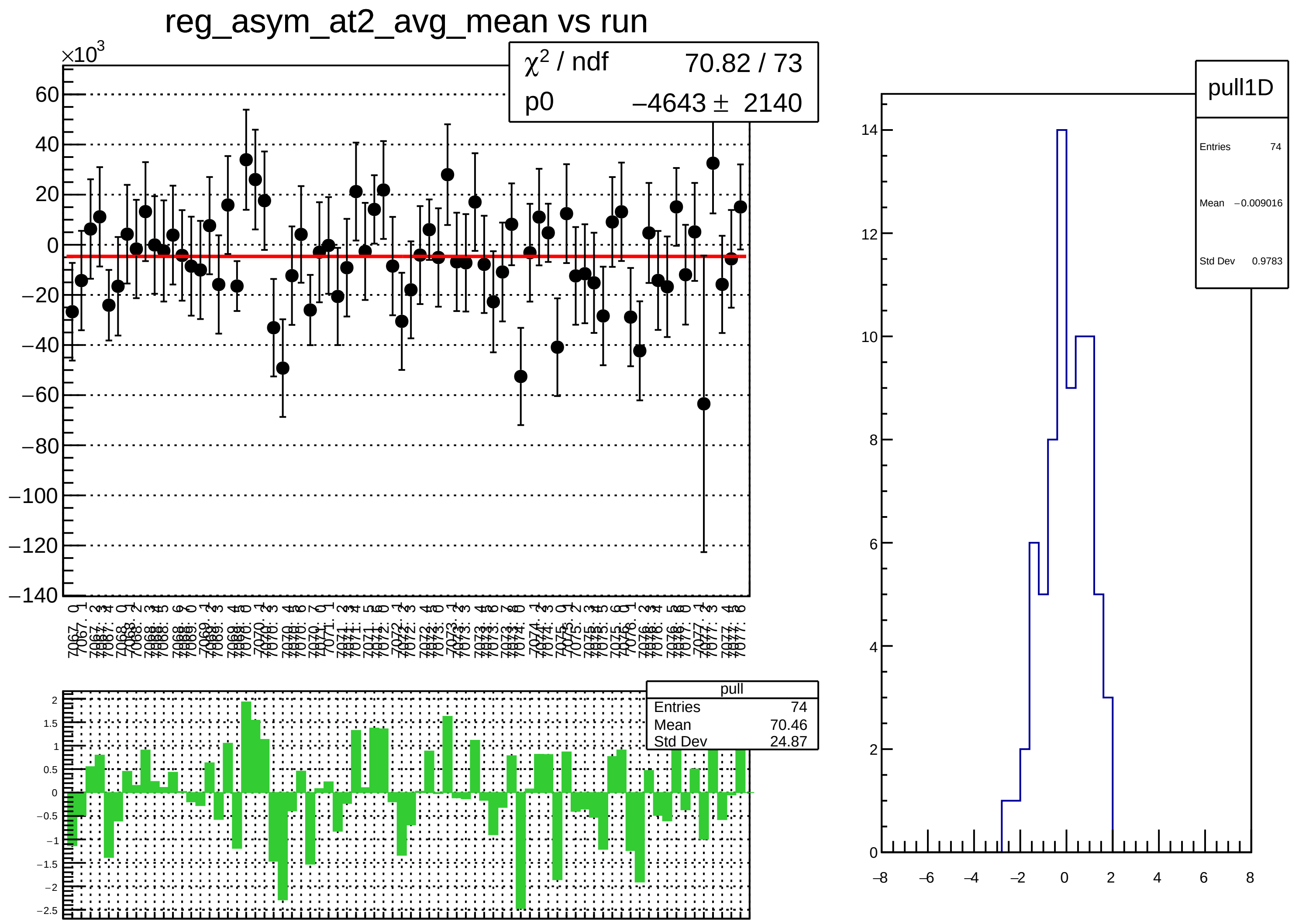
asym_at1_dd_correction_rms vs run
χ^2 / ndf 4792 / 73
p0 400.4 ± 0.3237
460
440
420
400
380
360

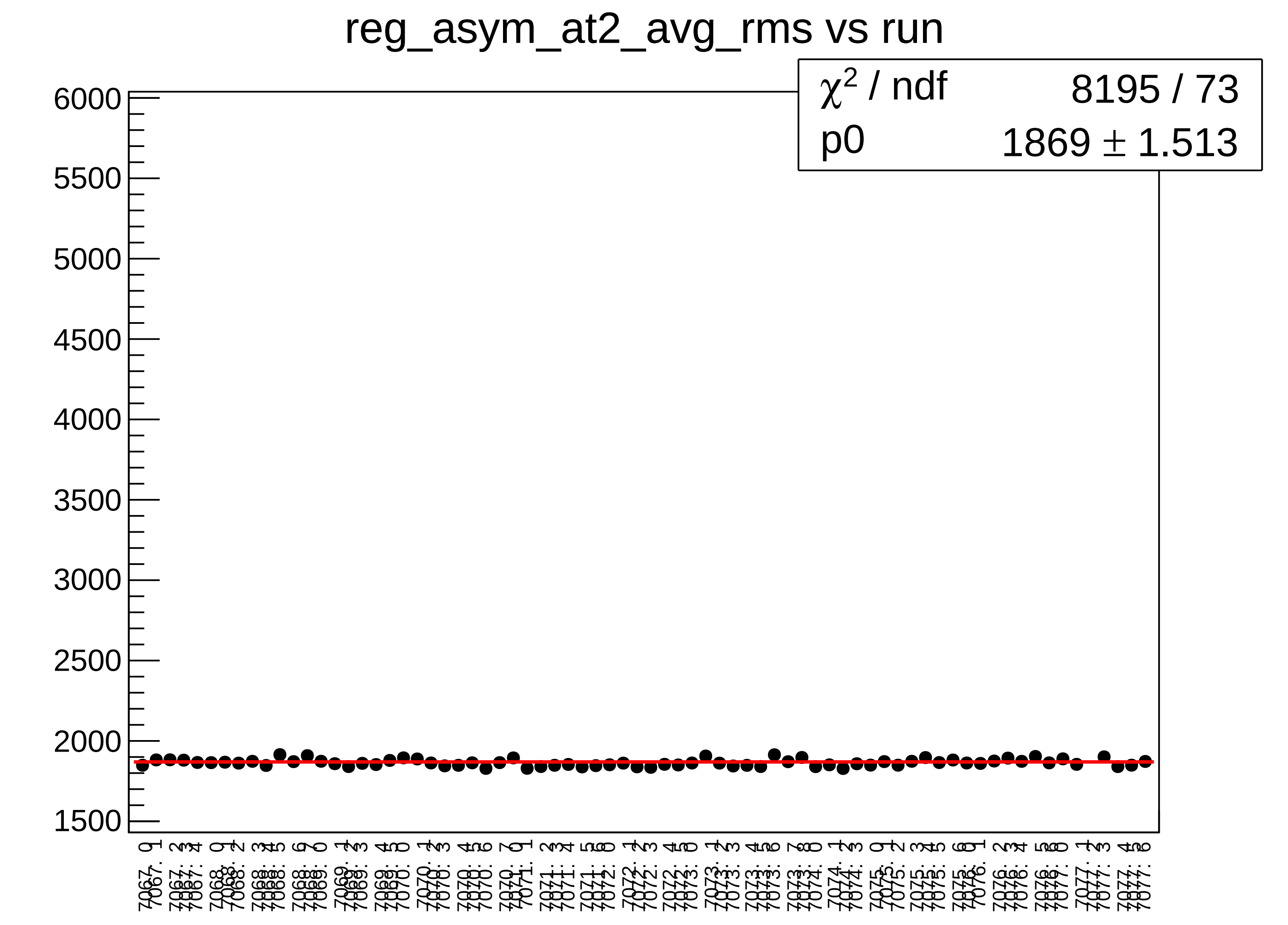


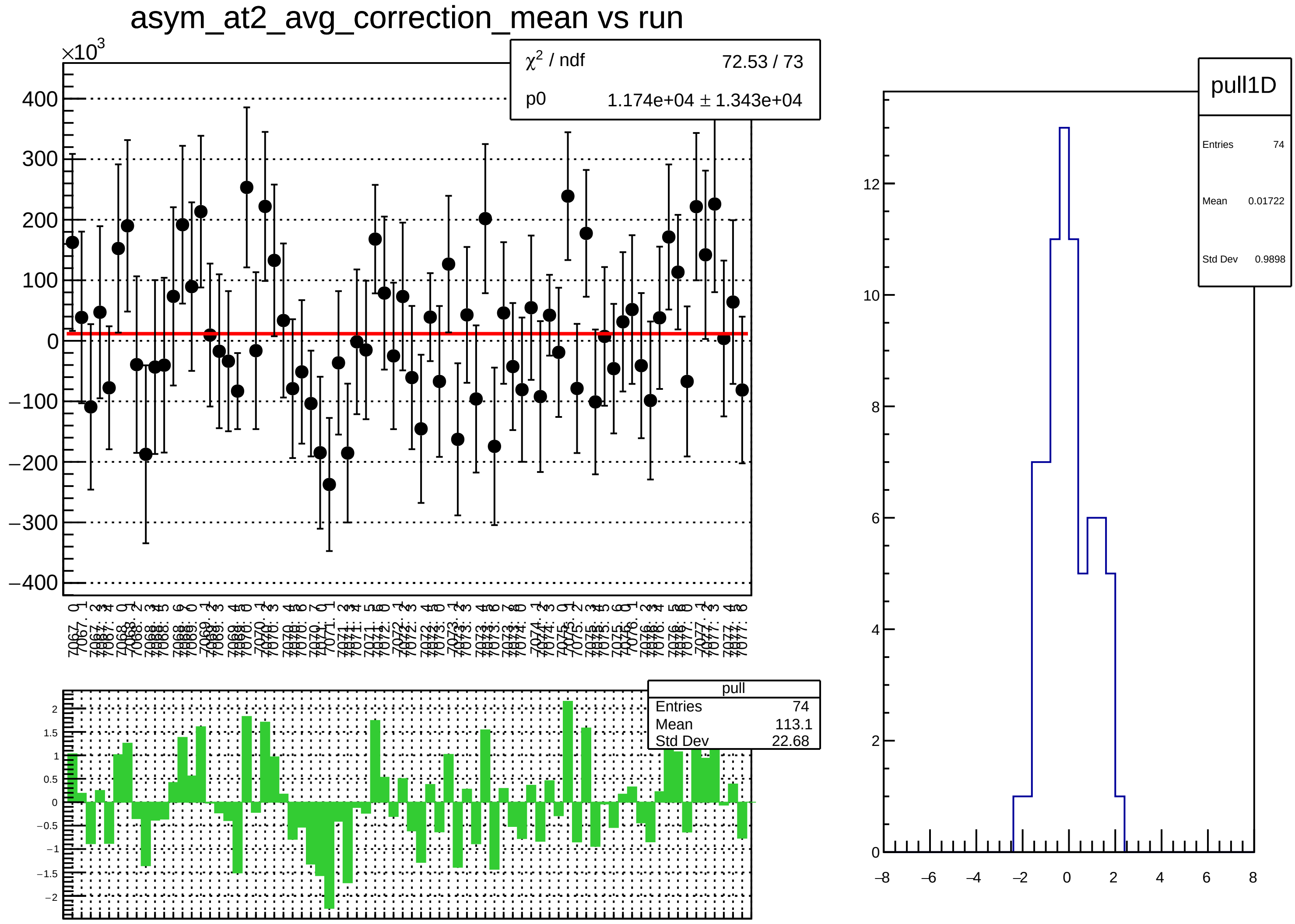
asym_at1_dd_mean vs run
χ^2 / ndf 68.54 / 73
p0 −1436 ± 2130
pull
Entries 74
Mean 56.86
Std Dev 21.06
pull1D
Entries 74
Mean −0.05086
Std Dev 0.961



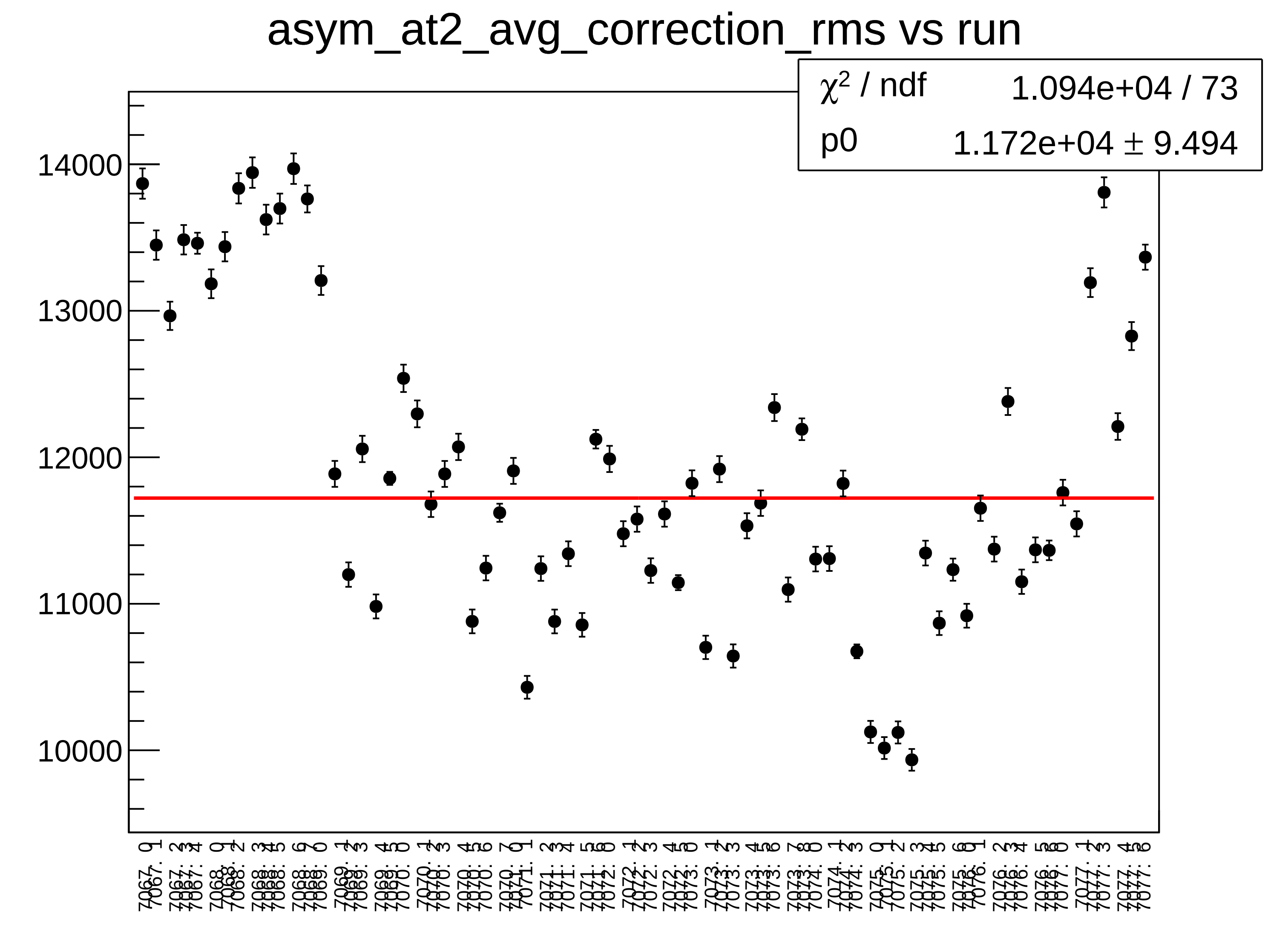
asym_at1_dd_rms vs run
χ^2 / ndf 71.37 / 73
p0 1866 ± 1.506
1900
1880
1860
1840
1820


reg_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 70.82 / 73
p0 −4643 ± 2140
pull
Entries 74
Mean 70.46
Std Dev 24.87
pull1D
Entries 74
Mean −0.009016
Std Dev 0.9783

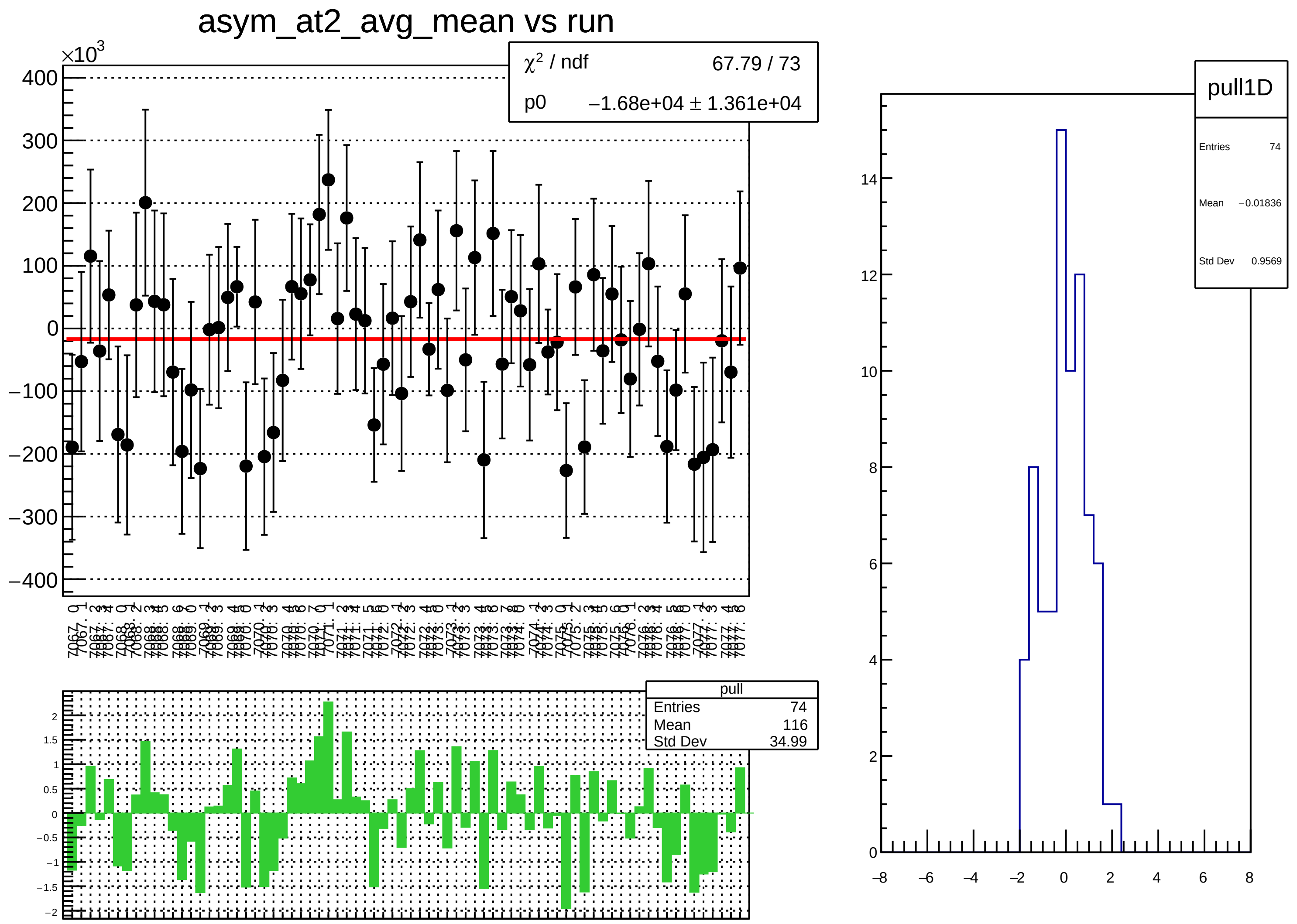

reg_asym_at2_avg_rms vs run
χ^2 / ndf 8195 / 73
p0 1869 ± 1.513



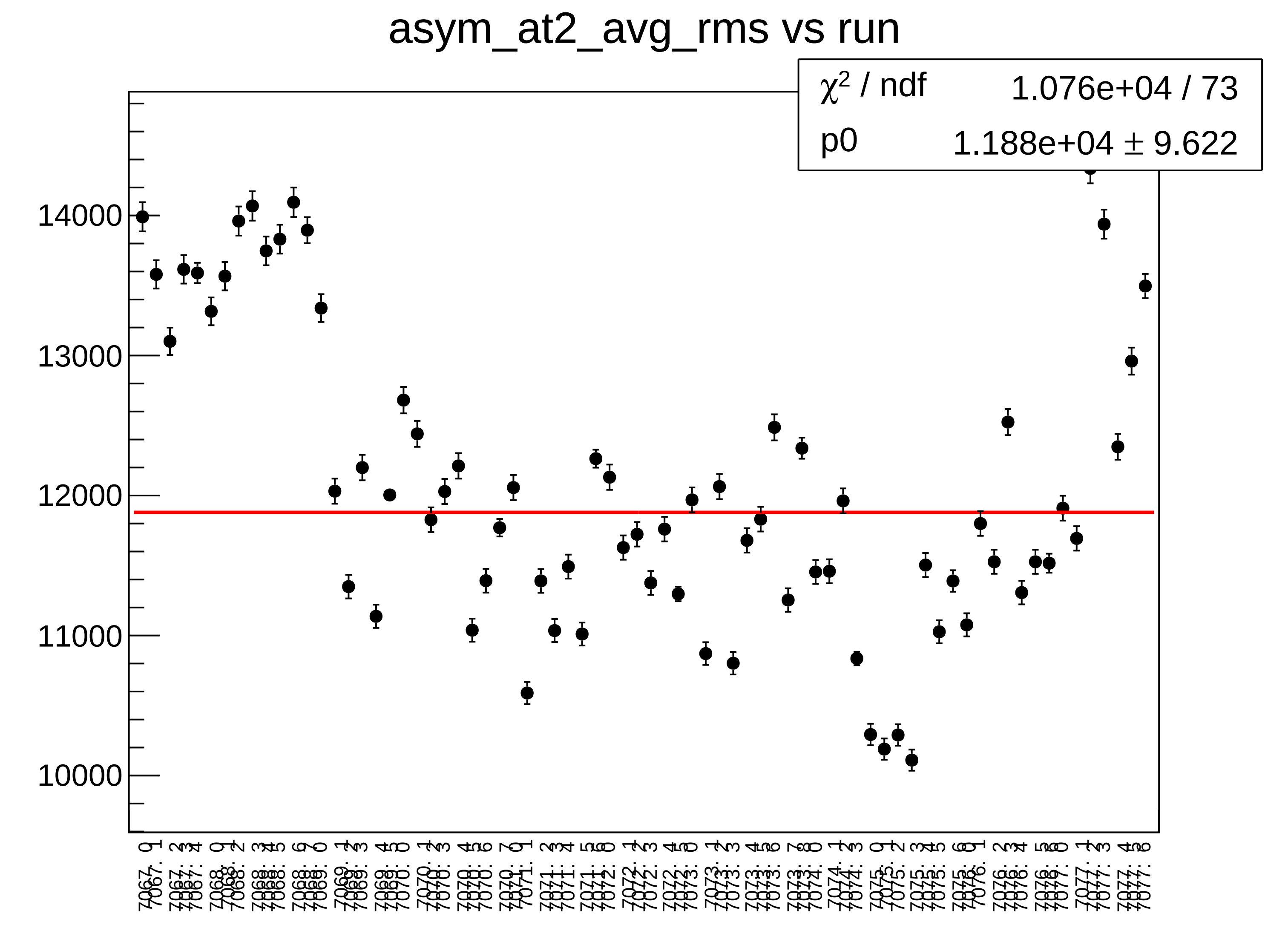
asym_at2_avg_correction_mean vs run
×10^3
χ2 / ndf 72.53 / 73
p0 1.174e+04 ± 1.343e+04
pull
Entries 74
Mean 113.1
Std Dev 22.68
pull1D
Entries 74
Mean 0.01722
Std Dev 0.9898



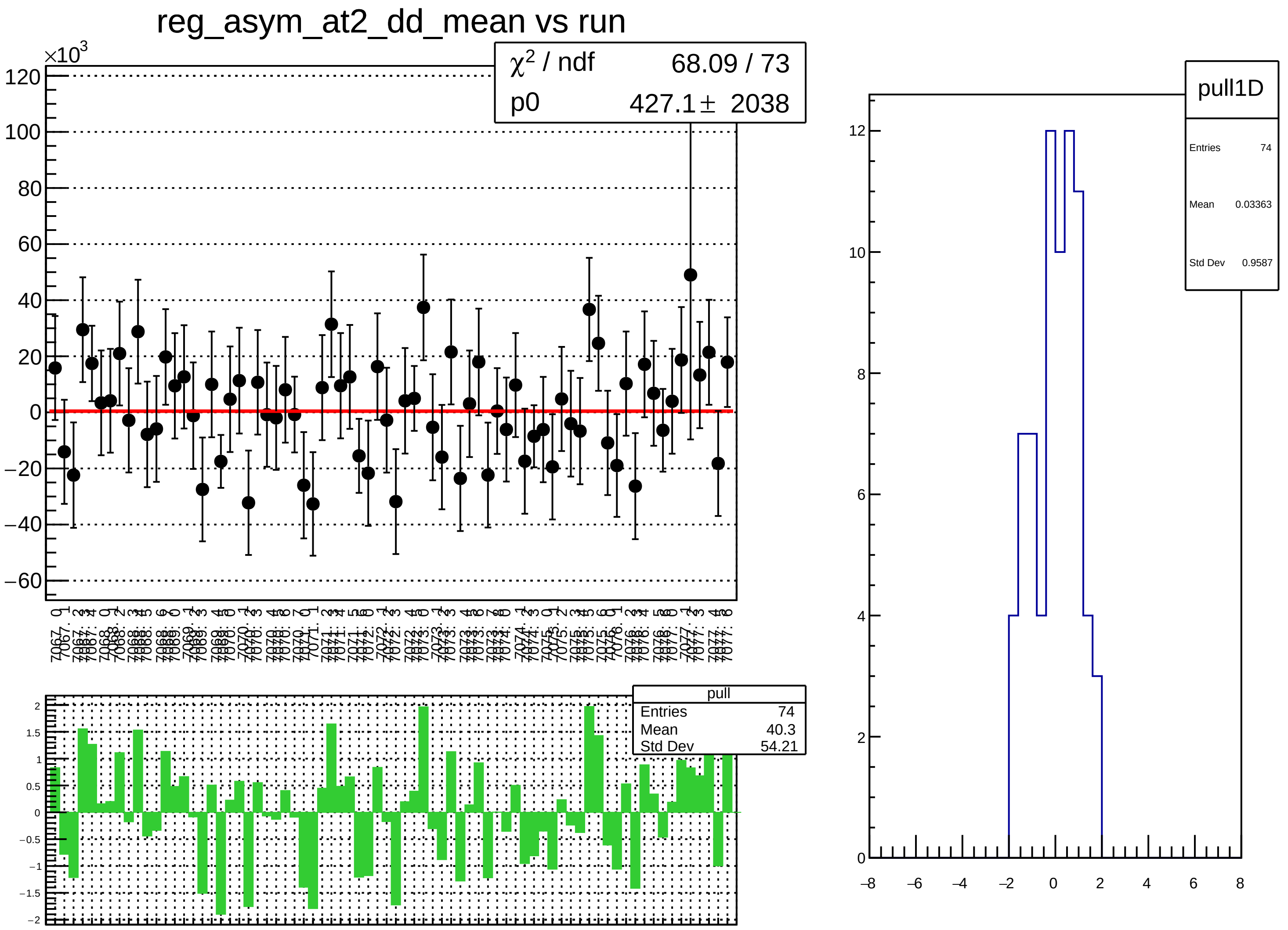
asym_at2_avg_correction_rms vs run
χ^2 / ndf 1.094e+04 / 73
p0 1.172e+04 ± 9.494
14000
13000
12000
11000
10000



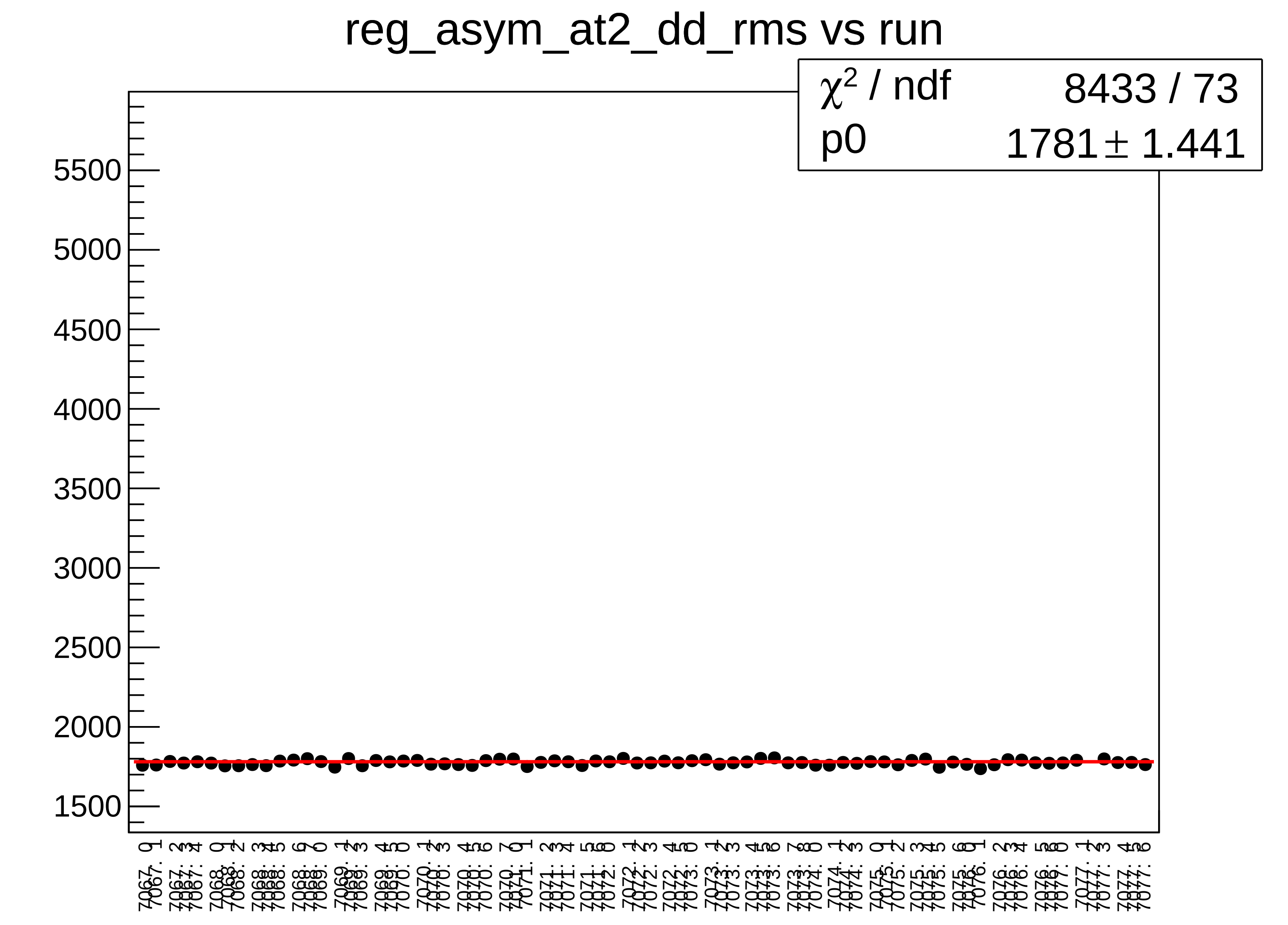
asym_at2_avg_mean vs run
×10^3
χ2 / ndf 67.79 / 73
p0 −1.68e+04 ± 1.361e+04
pull
Entries 74
Mean 116
Std Dev 34.99
pull1D
Entries 74
Mean −0.01836
Std Dev 0.9569



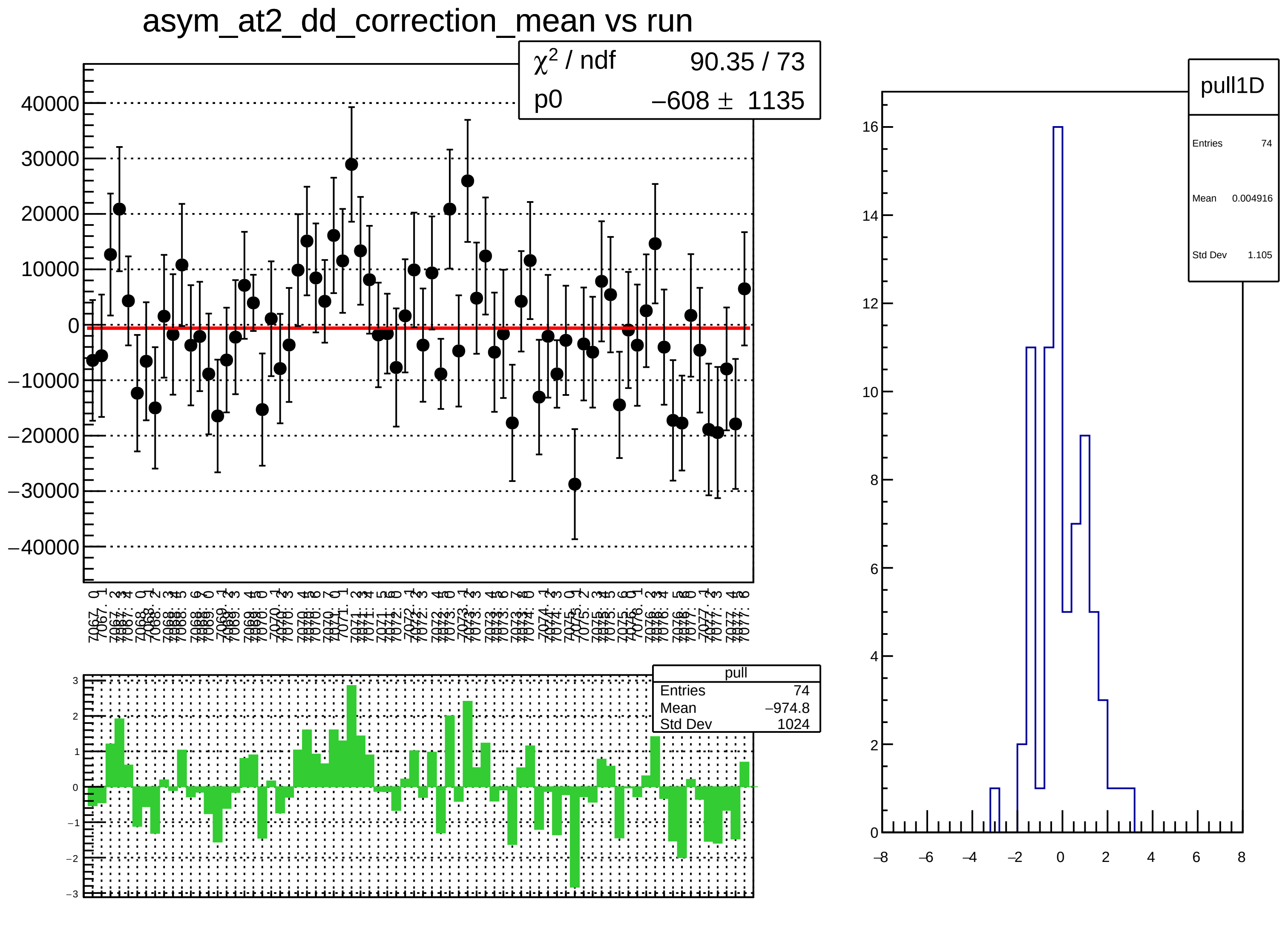
asym_at2_avg_rms vs run
χ^2 / ndf 1.076e+04 / 73
p0 1.188e+04 ± 9.622
14000
13000
12000
11000
10000

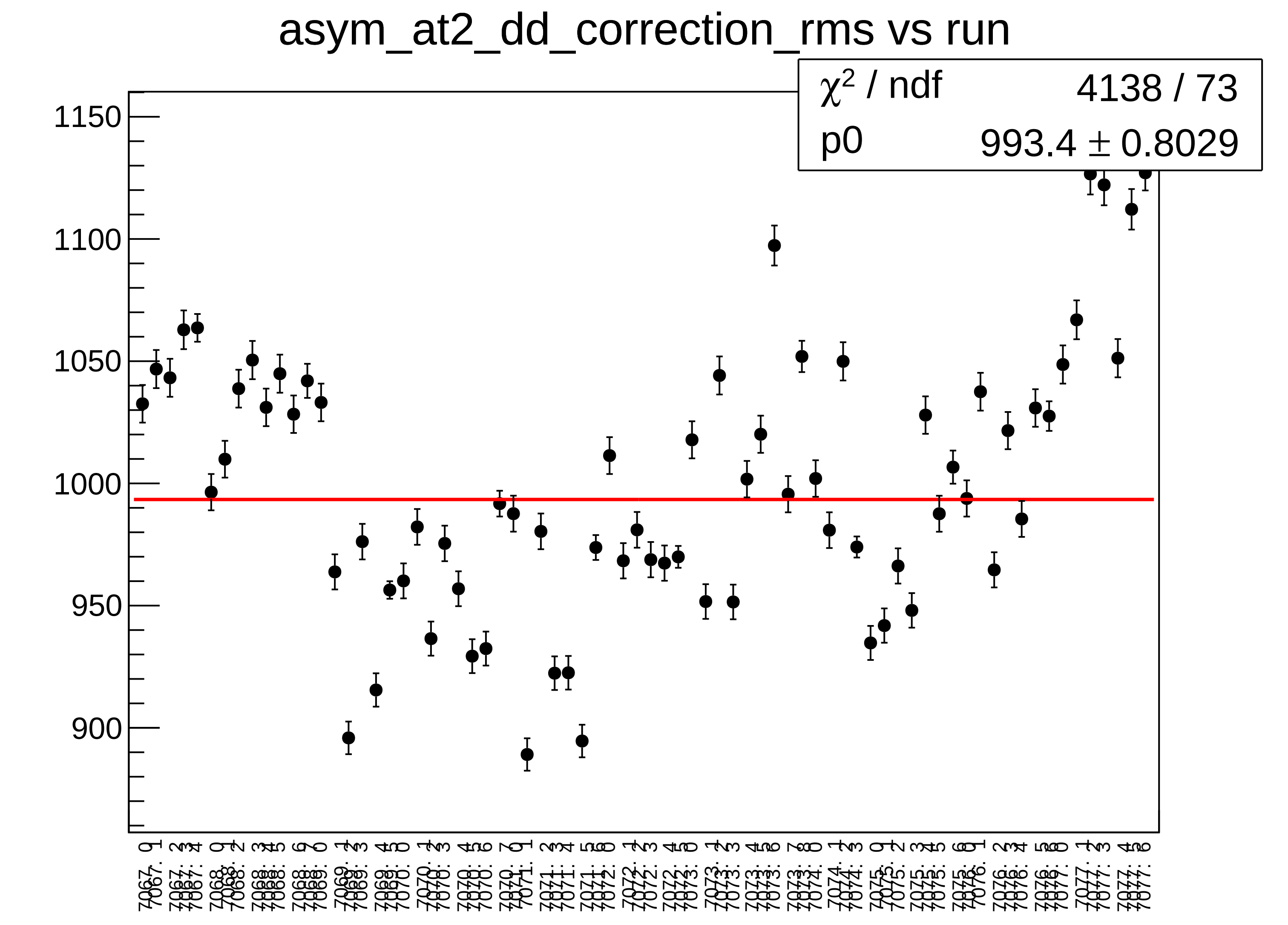


reg_asym_at2_dd_mean vs run
χ^2 / ndf 68.09 / 73
p0 427.1 ± 2038
pull
Entries 74
Mean 40.3
Std Dev 54.21
pull1D
Entries 74
Mean 0.03363
Std Dev 0.9587

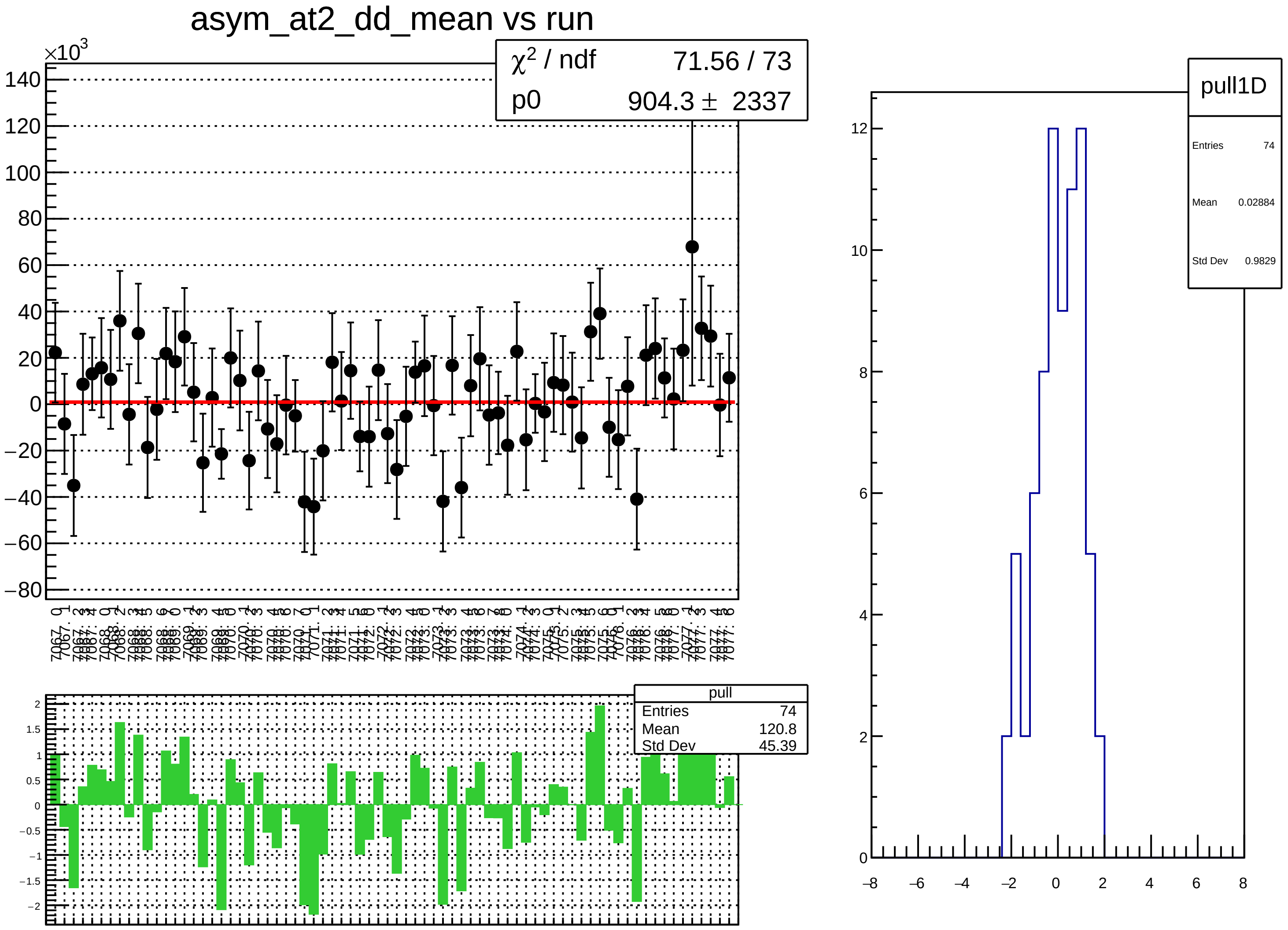


reg_asym_at2_dd_rms vs run
χ2 / ndf 8433 / 73
p0 1781 ± 1.441
5500
5000
4500
4000
3500
3000
2500
2000
1500

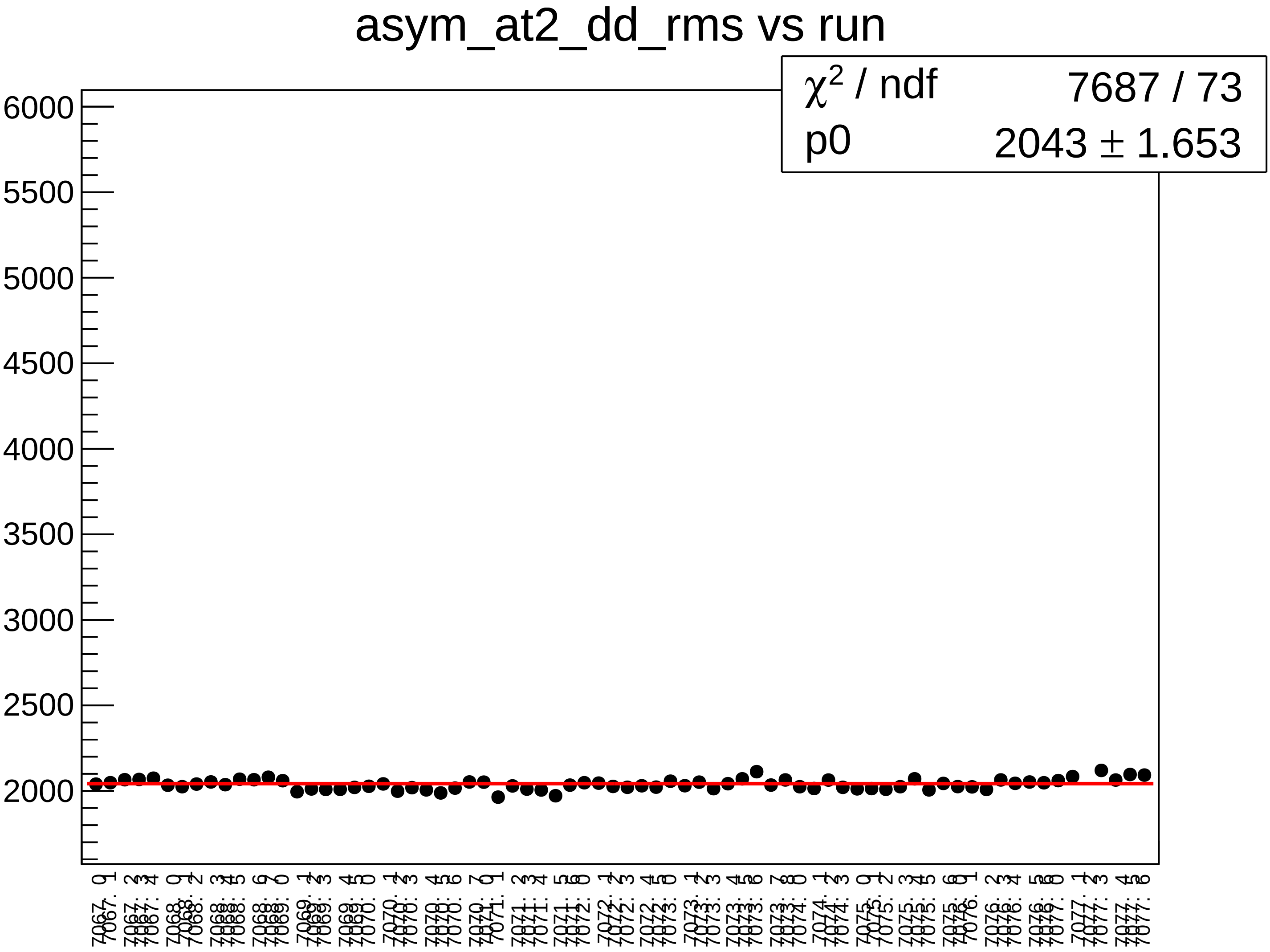

asym_at2_dd_correction_mean vs run
χ^2 / ndf 90.35 / 73
p0 −608 ± 1135
pull
Entries 74
Mean −974.8
Std Dev 1024
pull1D
Entries 74
Mean 0.004916
Std Dev 1.105



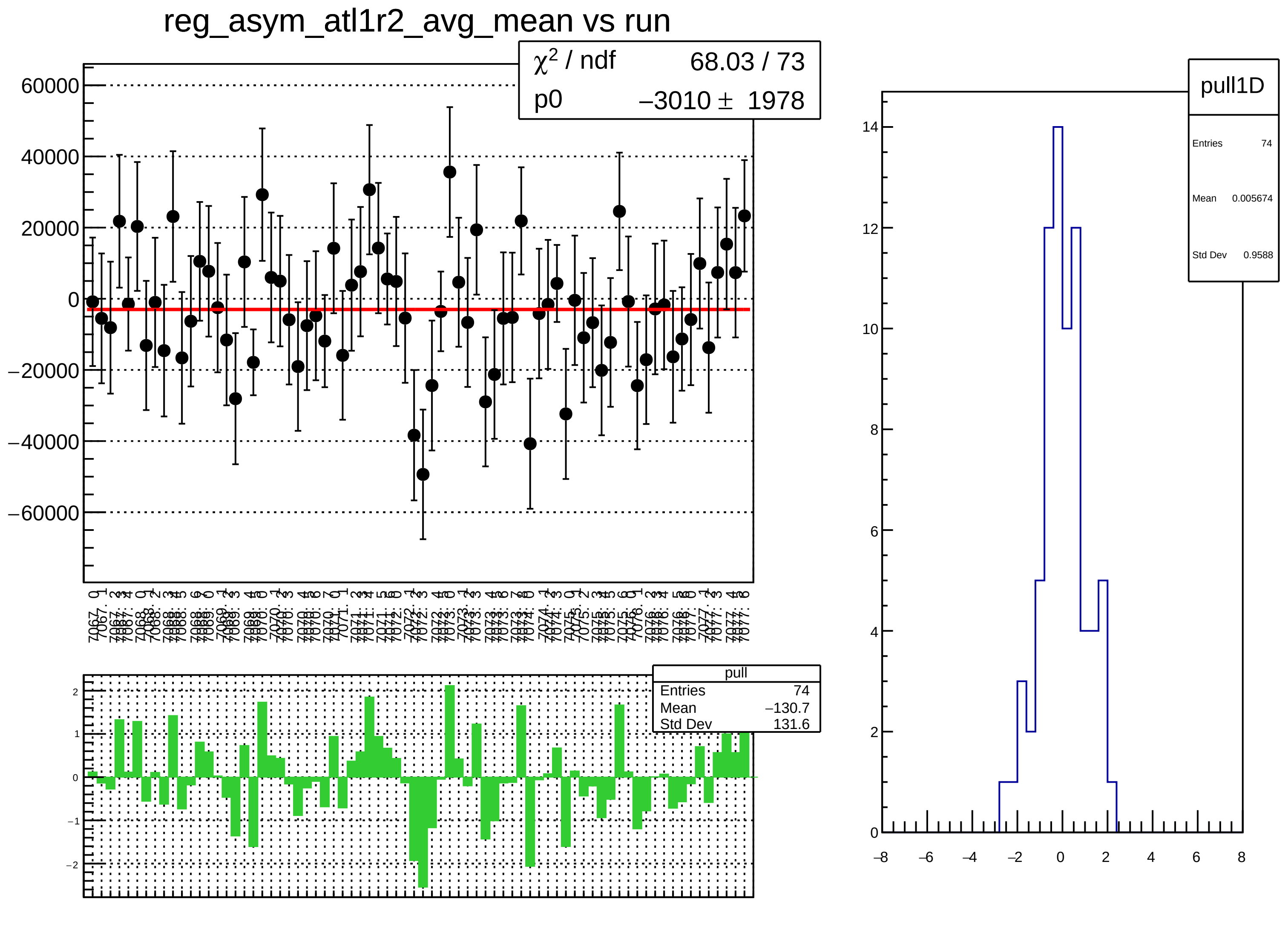
asym_at2_dd_correction_rms vs run
χ^2 / ndf 4138 / 73
p0 993.4 ± 0.8029
1150
1100
1050
1000
950
900



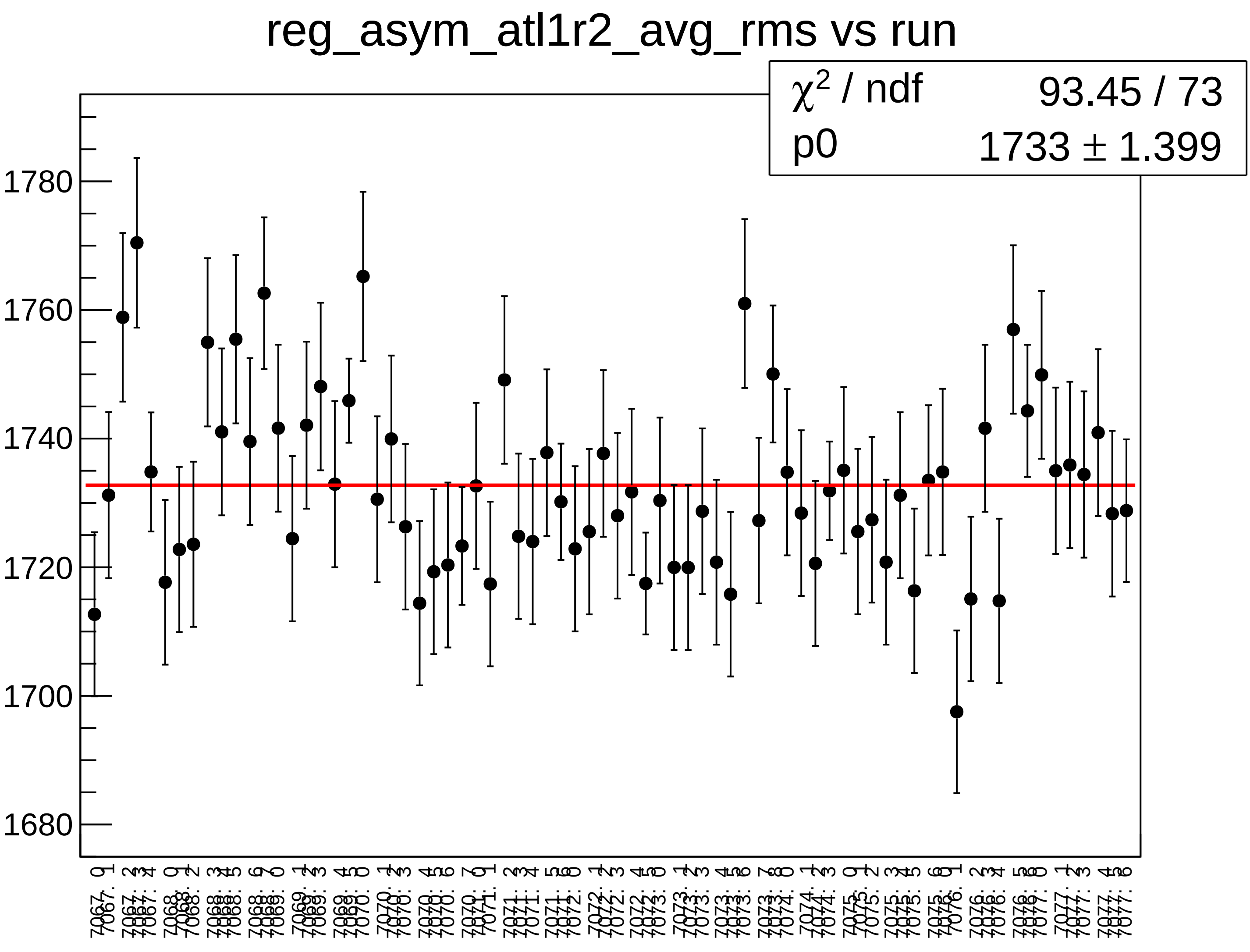
asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 71.56 / 73
p0 904.3 ± 2337
140
120
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 74
Mean 120.8
Std Dev 45.39
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.02884
Std Dev 0.9829
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

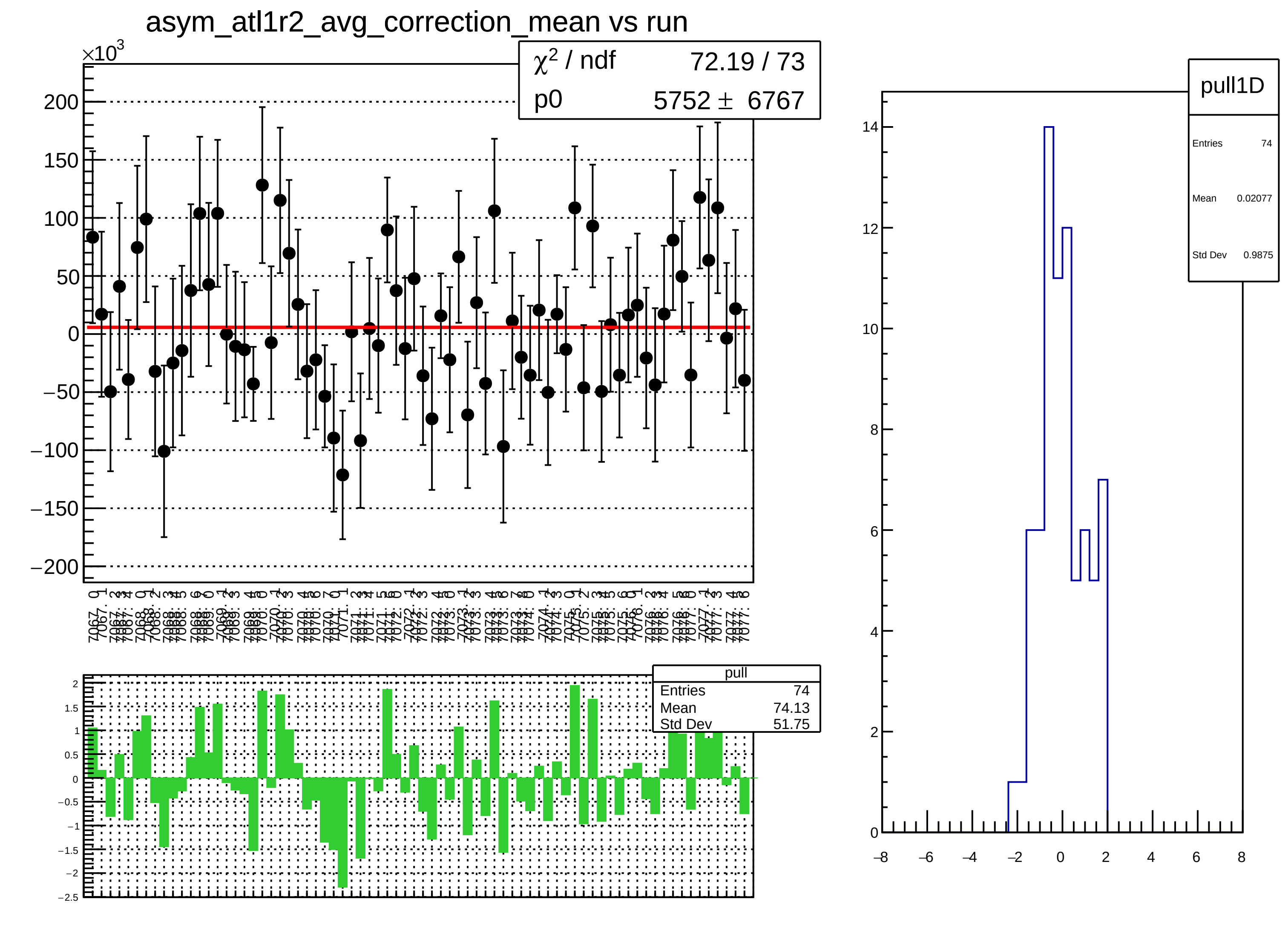


asym_at2_dd_rms vs run
χ^2 / ndf 7687 / 73
p0 2043 ± 1.653
6000
5500
5000
4500
4000
3500
3000
2500
2000

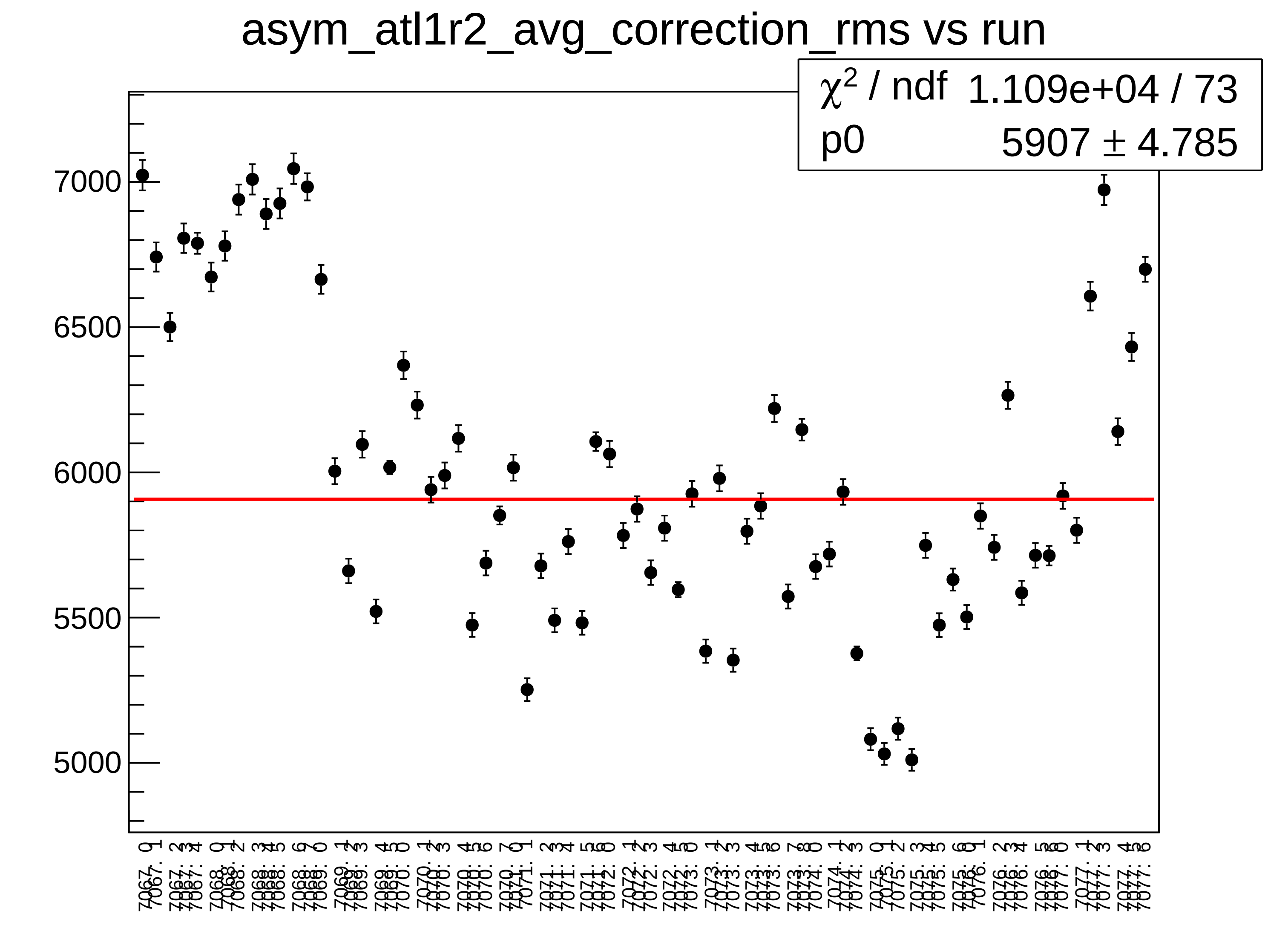


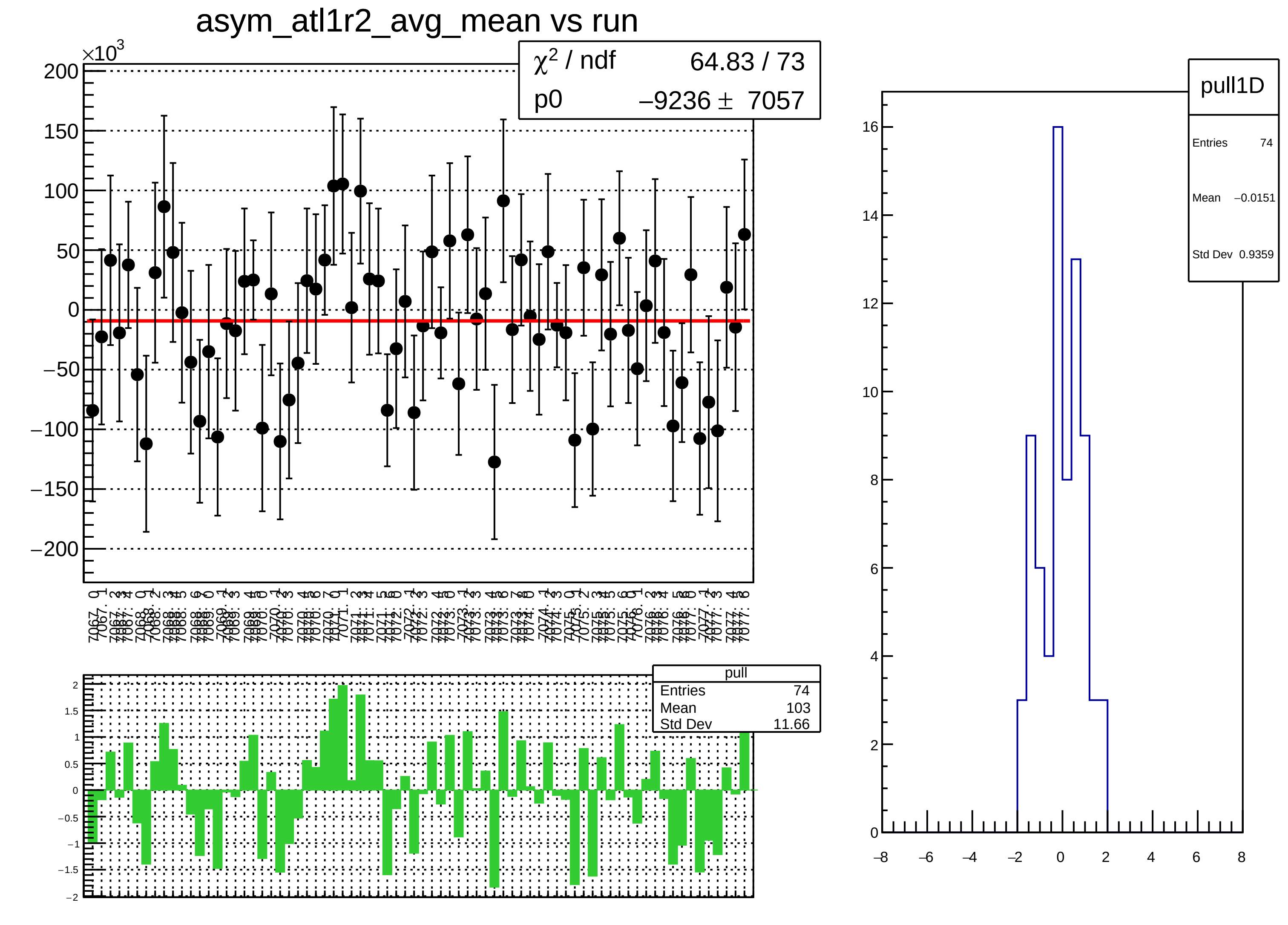
reg_asym_atl1r2_avg_mean vs run
χ2 / ndf 68.03 / 73
p0 −3010 ± 1978
pull
Entries 74
Mean −130.7
Std Dev 131.6
pull1D
Entries 74
Mean 0.005674
Std Dev 0.9588

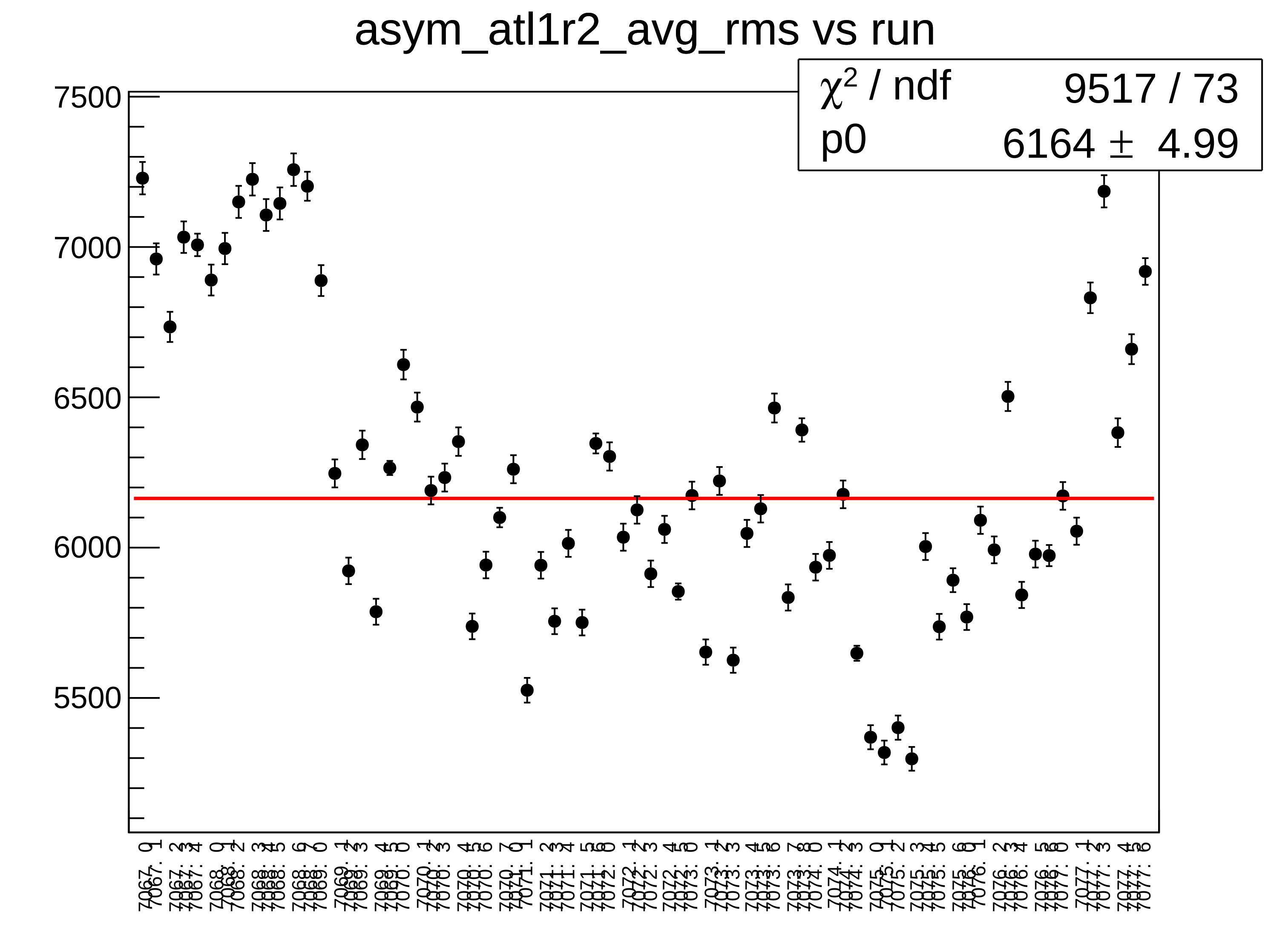

reg_asym_atl1r2_avg_rms vs run
χ2 / ndf 93.45 / 73
p0 1733 ± 1.399
1780
1760
1740
1720
1700
1680



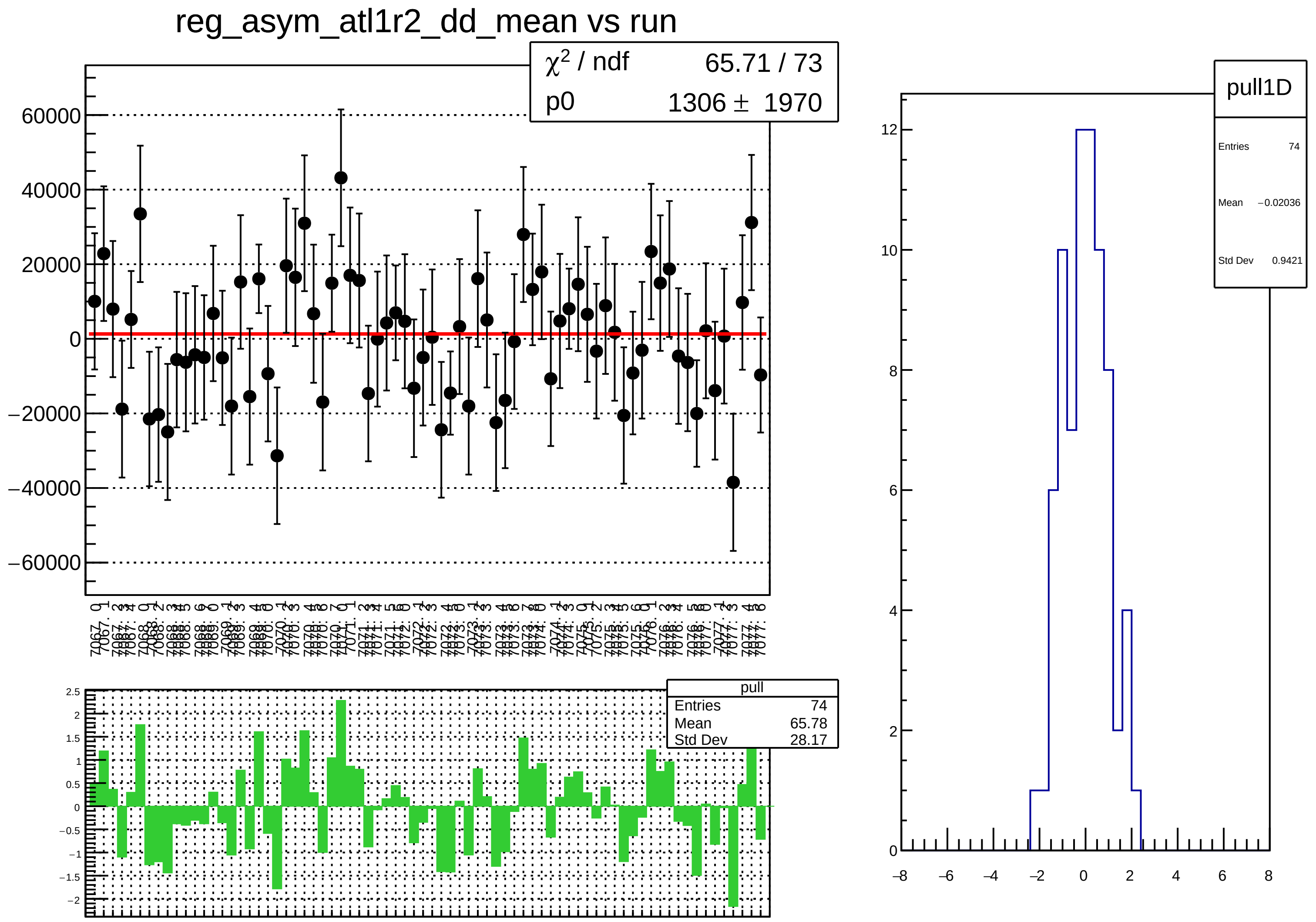
asym_atl1r2_avg_correction_mean vs run
χ^2 / ndf 72.19 / 73
p0 5752 ± 6767
pull
Entries 74
Mean 74.13
Std Dev 51.75
pull1D
Entries 74
Mean 0.02077
Std Dev 0.9875

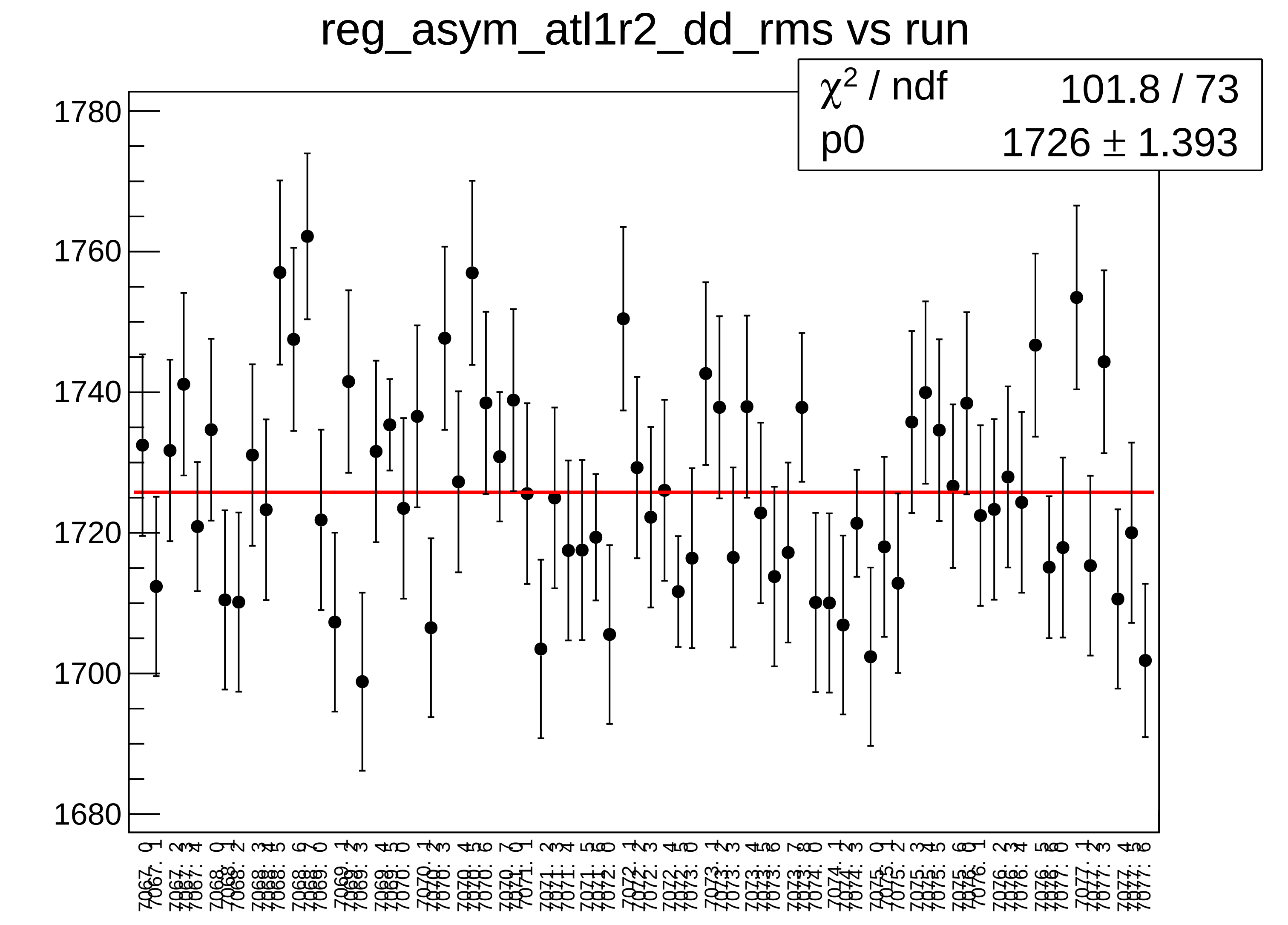

asym_atl1r2_avg_correction_rms vs run
χ2 / ndf 1.109e+04 / 73
p0 5907 ± 4.785
7000
6500
6000
5500
5000

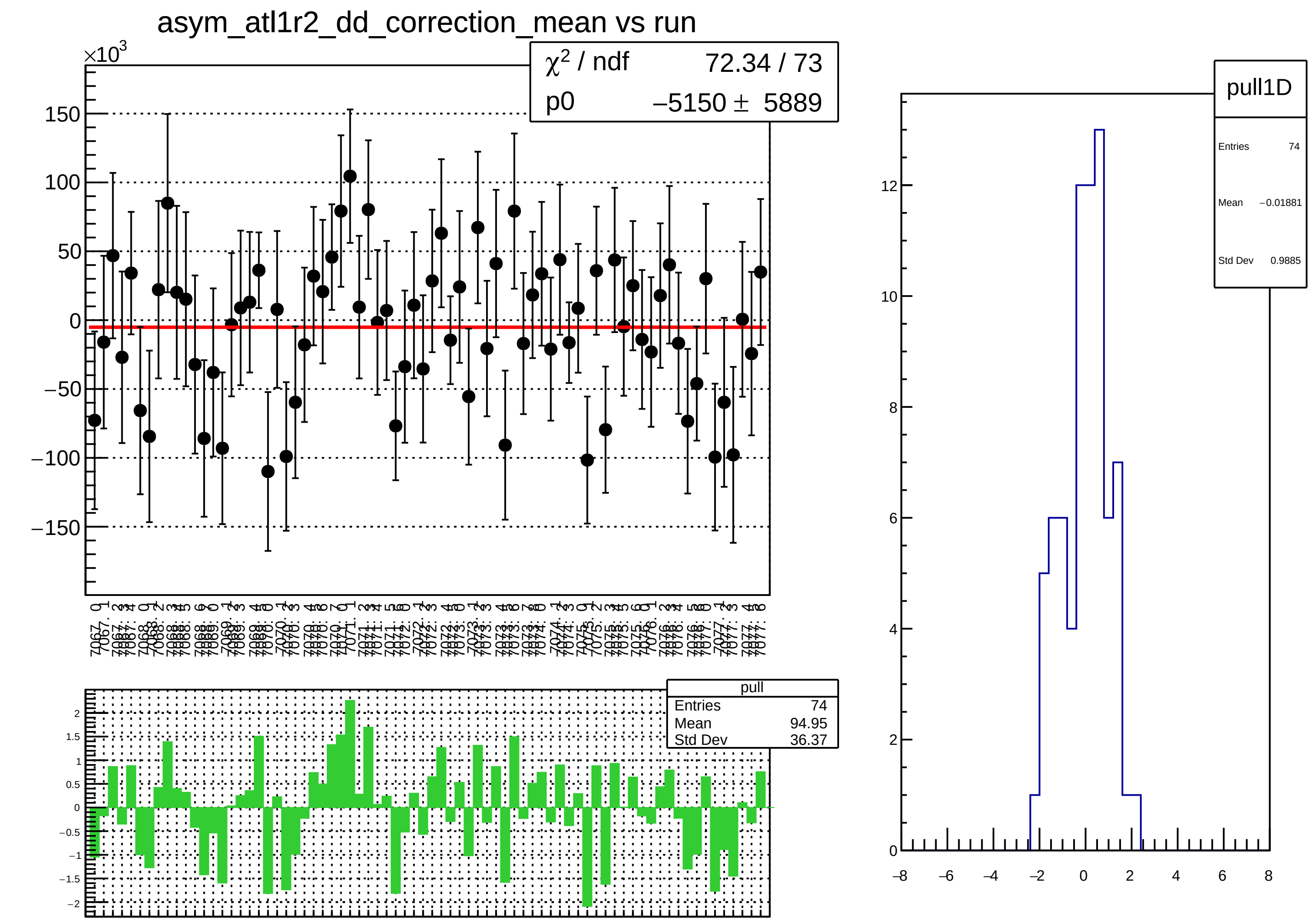

asym_atl1r2_avg_mean vs run
χ^2 / ndf 64.83 / 73
p0 −9236 ± 7057
pull
Entries 74
Mean 103
Std Dev 11.66
pull1D
Entries 74
Mean −0.0151
Std Dev 0.9359



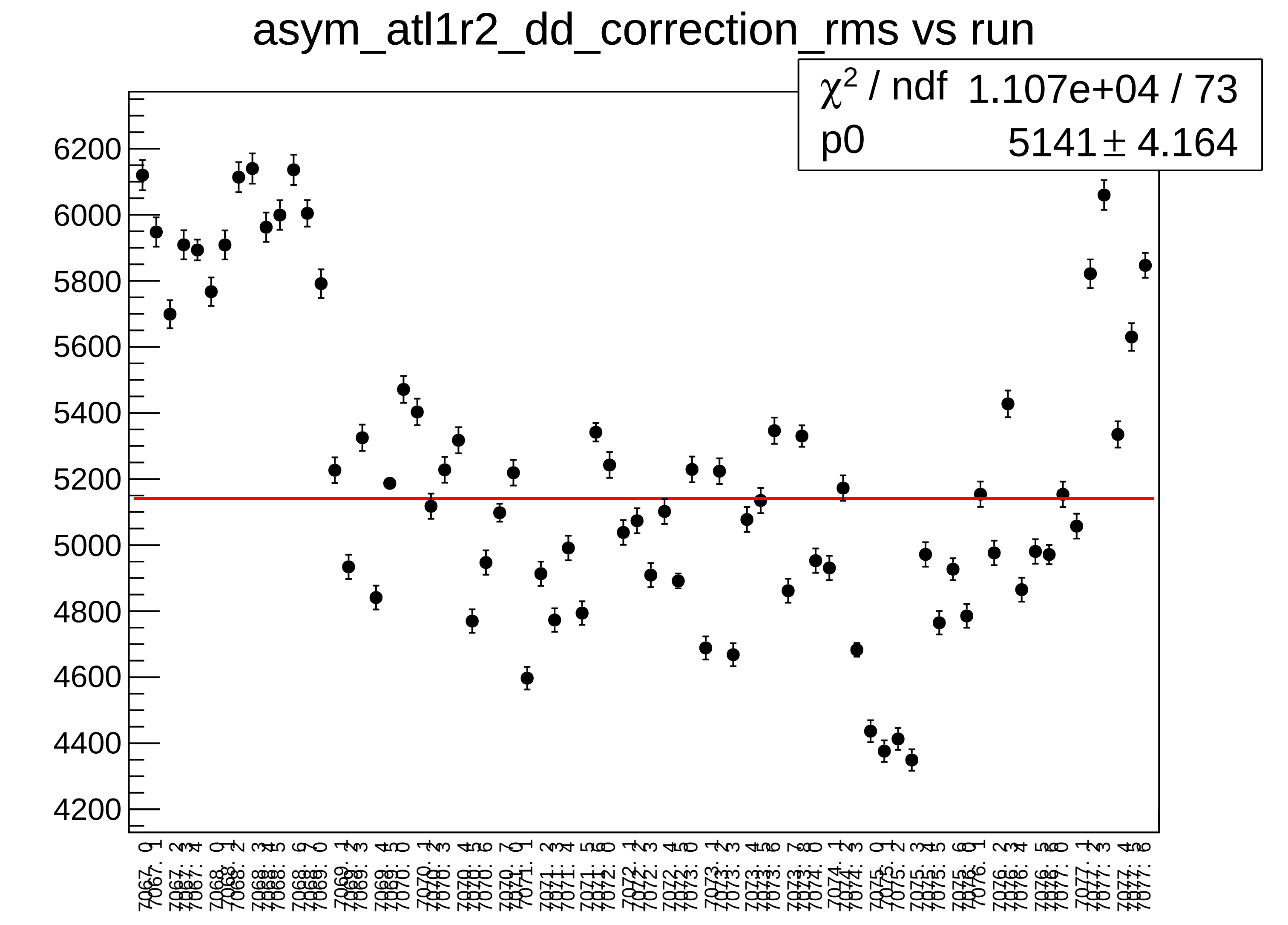
asym_atl1r2_avg_rms vs run
χ^2 / ndf 9517 / 73
p0 6164 ± 4.99
7500
7000
6500
6000
5500


reg_asym_atl1r2_dd_mean vs run
χ^2 / ndf 65.71 / 73
p0 1306 ± 1970
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean 65.78
Std Dev 28.17
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.02036
Std Dev 0.9421
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

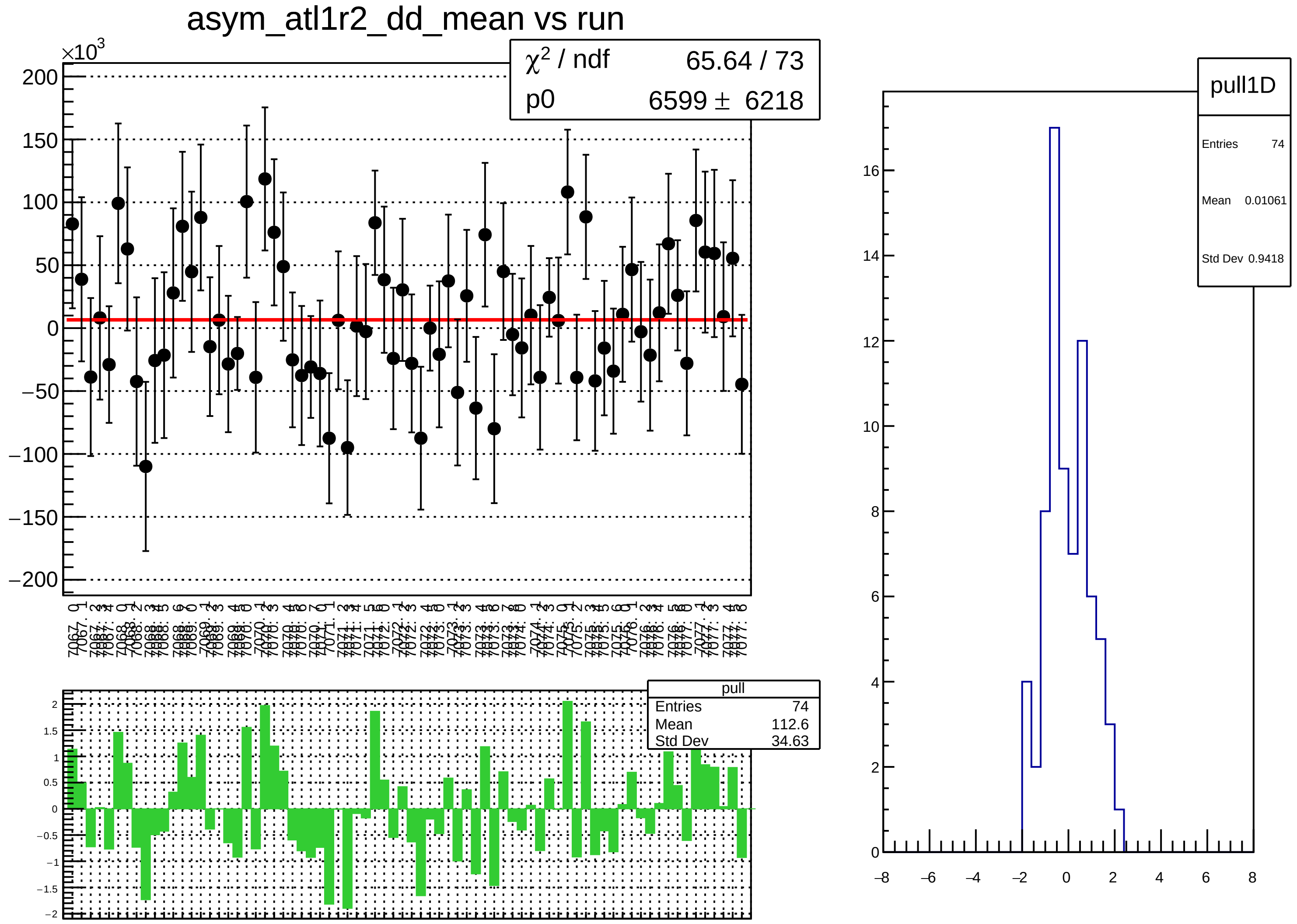

reg_asym_atl1r2_dd_rms vs run
χ2 / ndf 101.8 / 73
p0 1726 ± 1.393
1780
1760
1740
1720
1700
1680



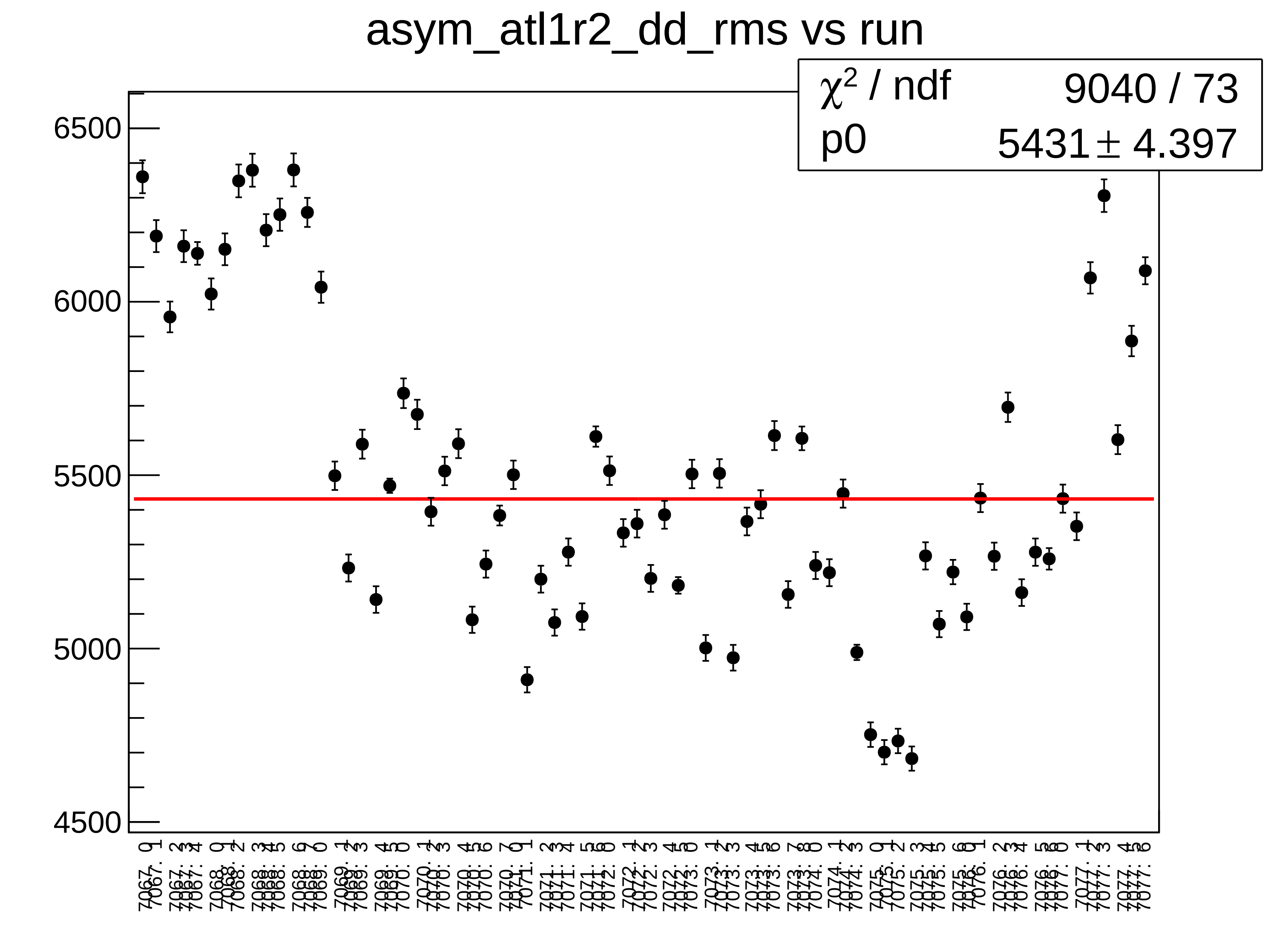
asym_atl1r2_dd_correction_mean vs run
×10^3
χ² / ndf 72.34 / 73
p0 −5150 ± 5889
150
100
50
0
−50
−100
−150
pull
Entries 74
Mean 94.95
Std Dev 36.37
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.01881
Std Dev 0.9885
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



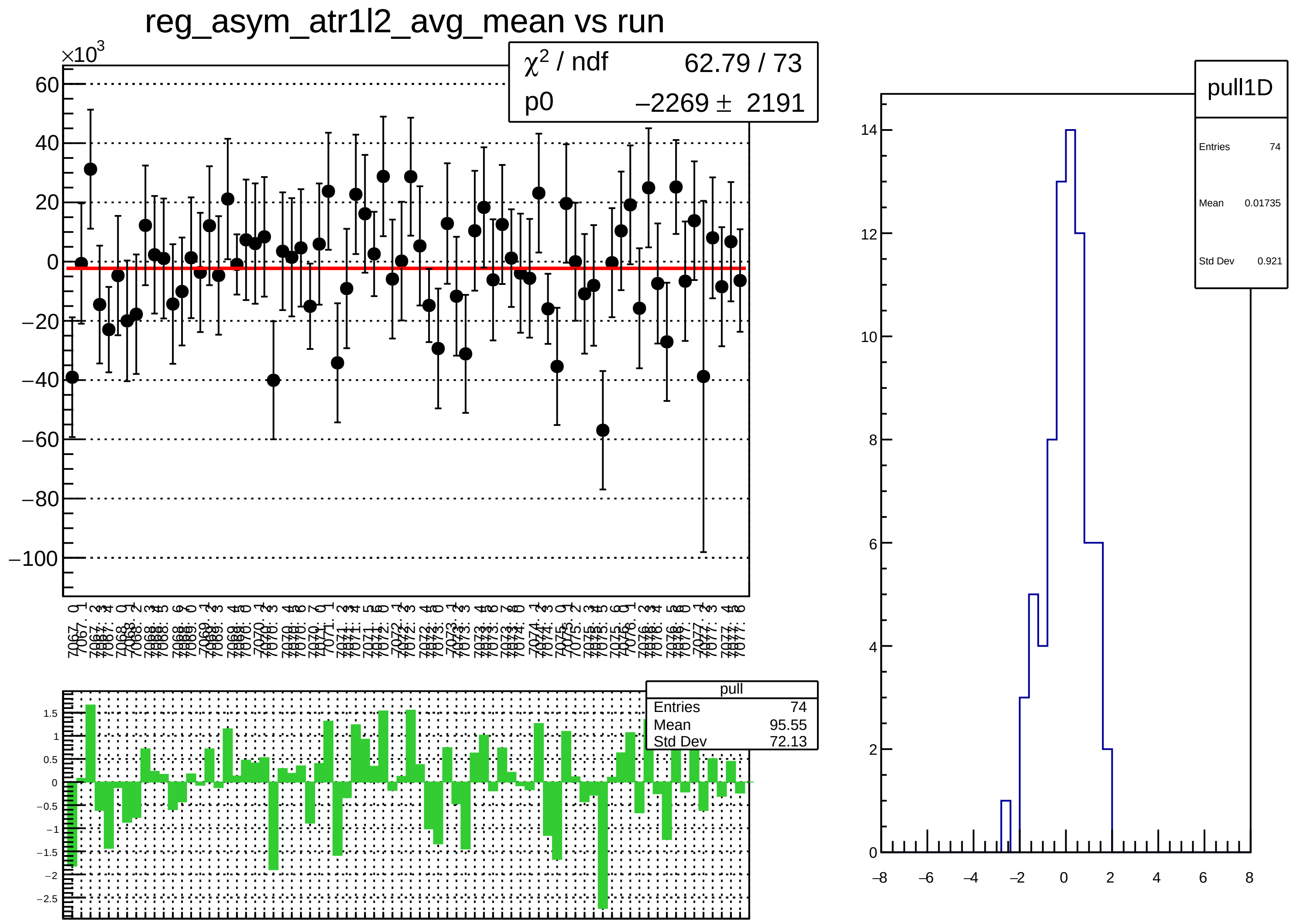
asym_atl1r2_dd_correction_rms vs run
χ^2 / ndf 1.107e+04 / 73
p0 5141 ± 4.164
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200



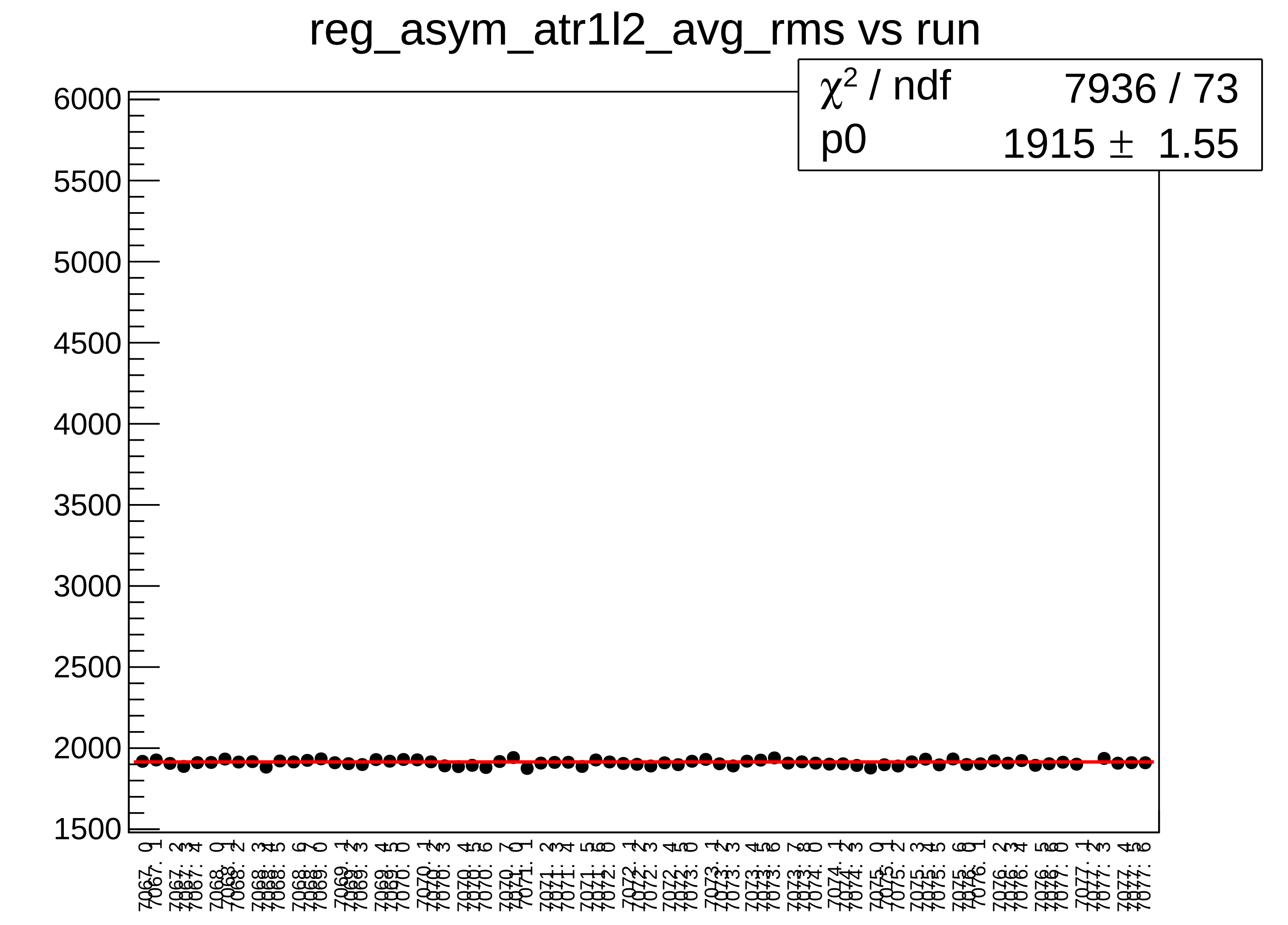
asym_atl1r2_dd_mean vs run
×10^3
χ^2 / ndf 65.64 / 73
p0 6599 ± 6218
pull
Entries 74
Mean 112.6
Std Dev 34.63
pull1D
Entries 74
Mean 0.01061
Std Dev 0.9418

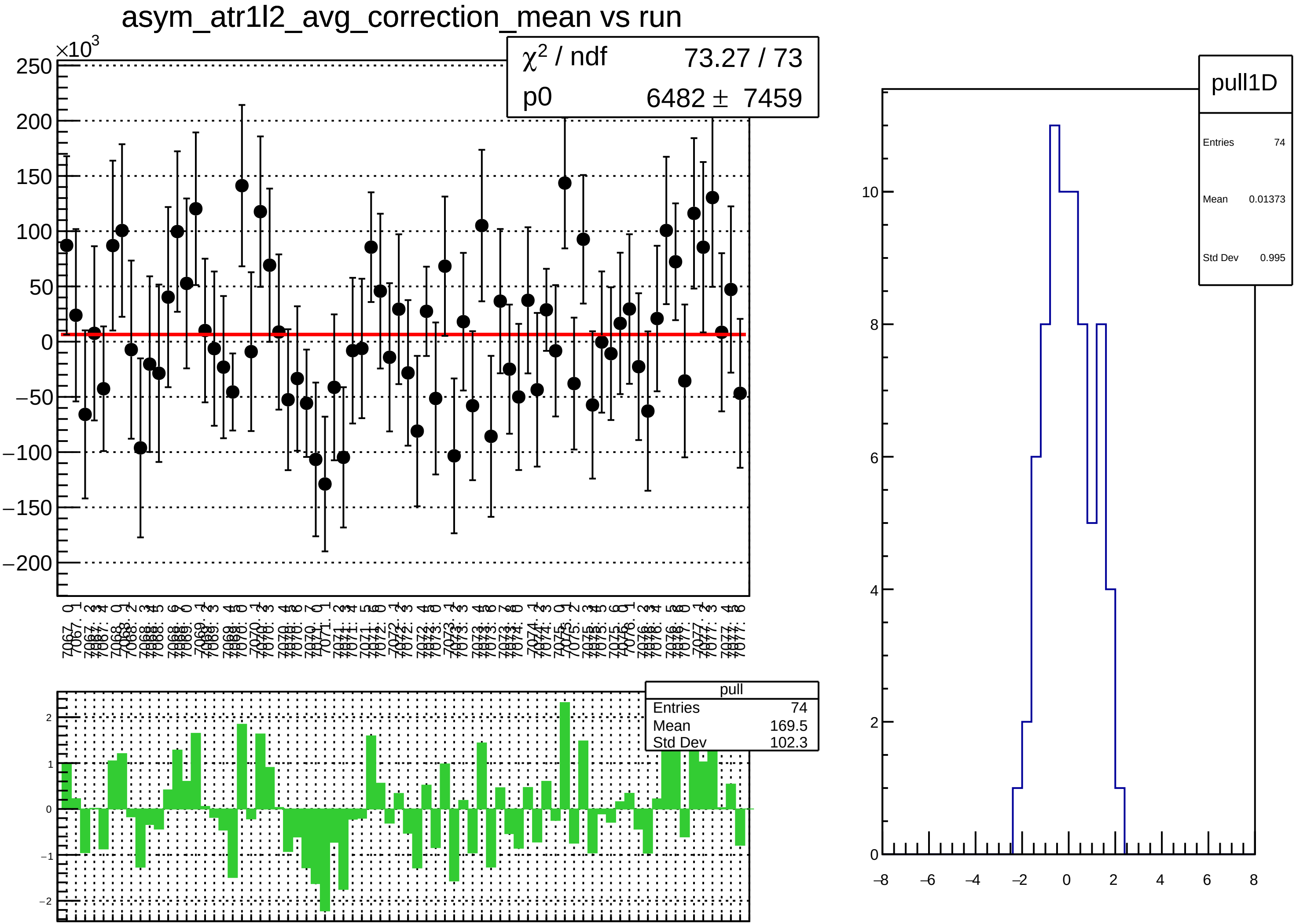


asym_atl1r2_dd_rms vs run
χ2 / ndf 9040 / 73
p0 5431 ± 4.397
6500
6000
5500
5000
4500

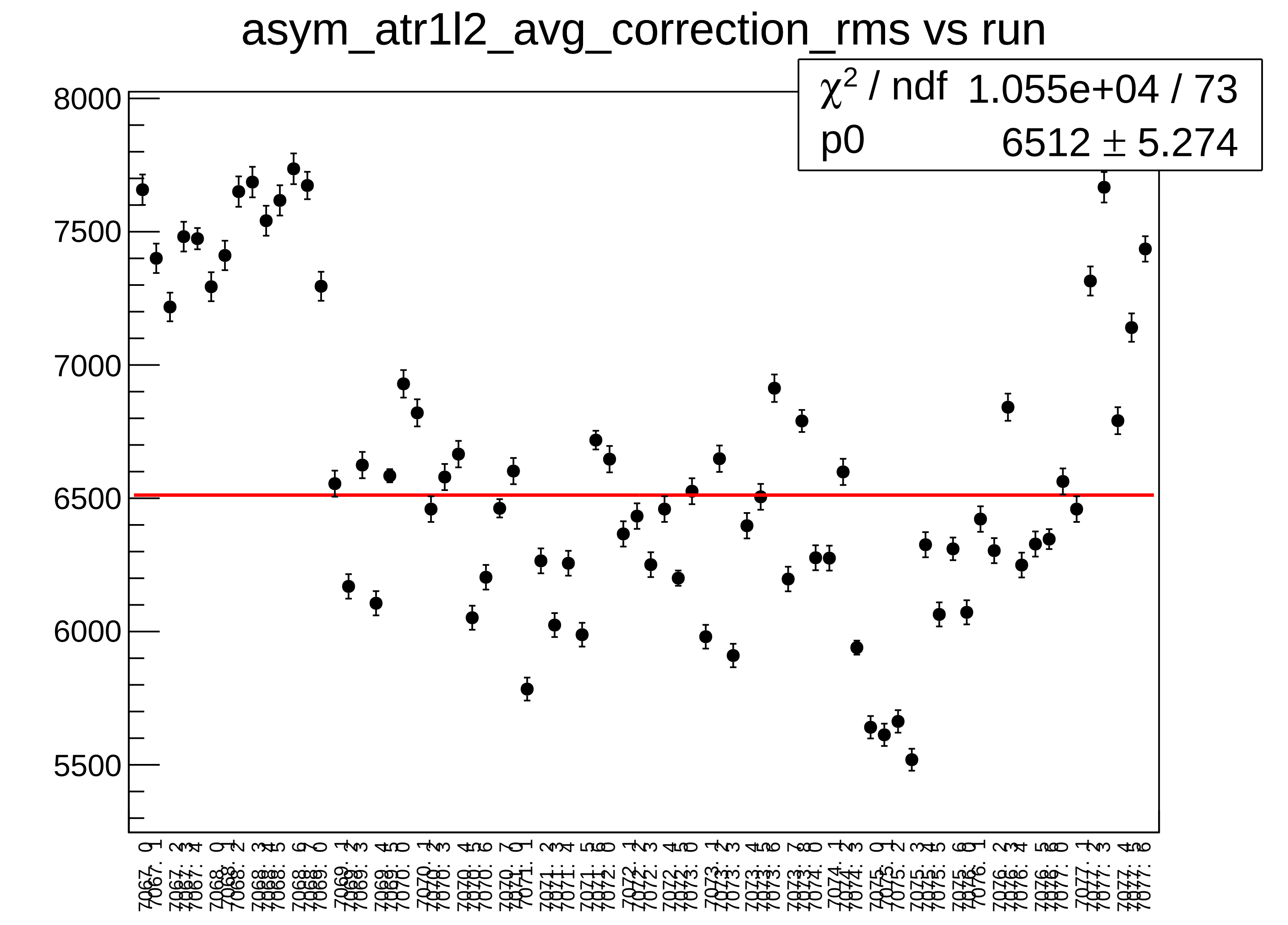


reg_asym_atr1l2_avg_mean vs run
$\times 10^3$
χ^2 / ndf 62.79 / 73
p0 −2269 ± 2191
pull
Entries 74
Mean 95.55
Std Dev 72.13
pull1D
Entries 74
Mean 0.01735
Std Dev 0.921

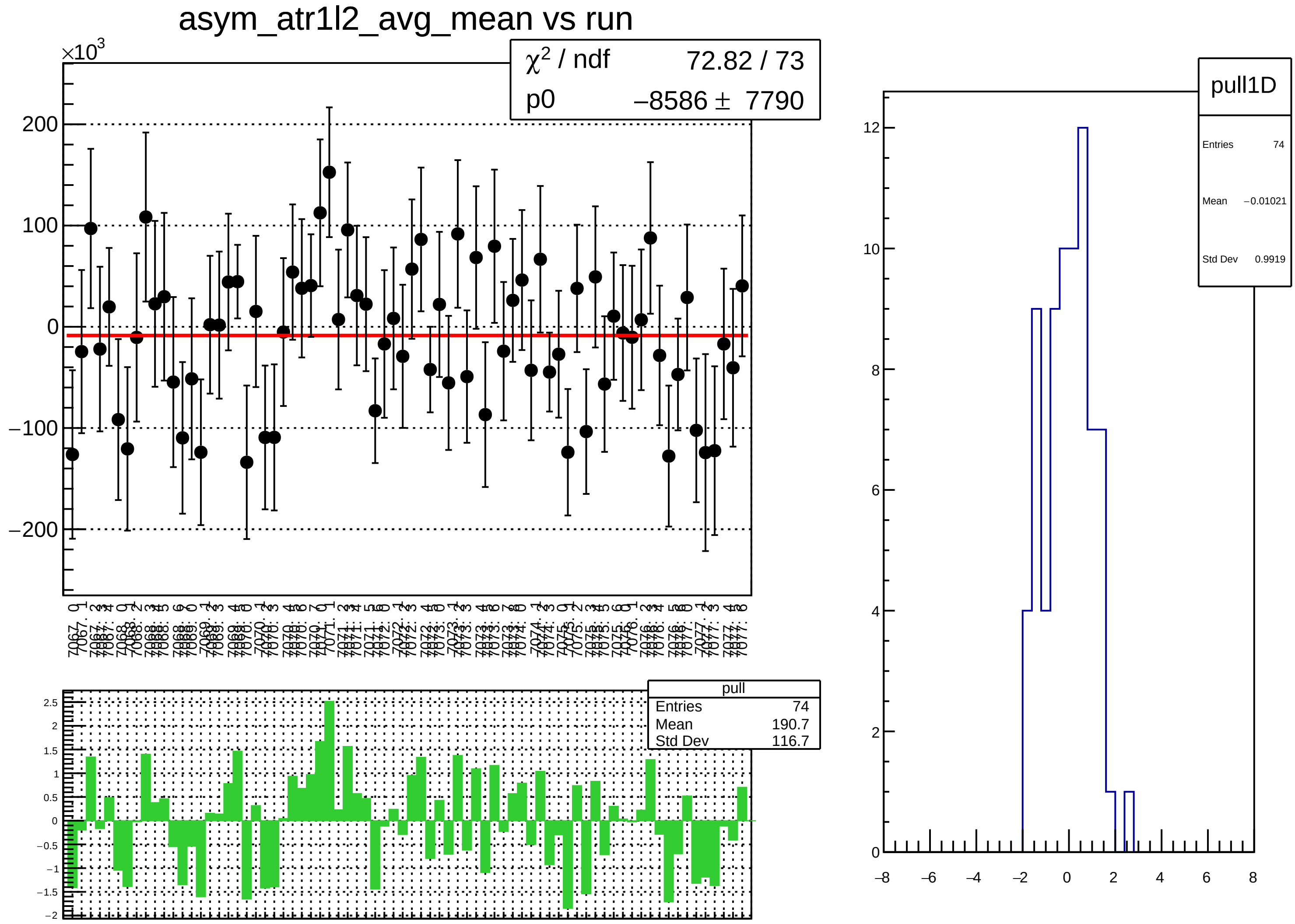

reg_asym_atr1l2_avg_rms vs run
χ2 / ndf 7936 / 73
p0 1915 ± 1.55
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

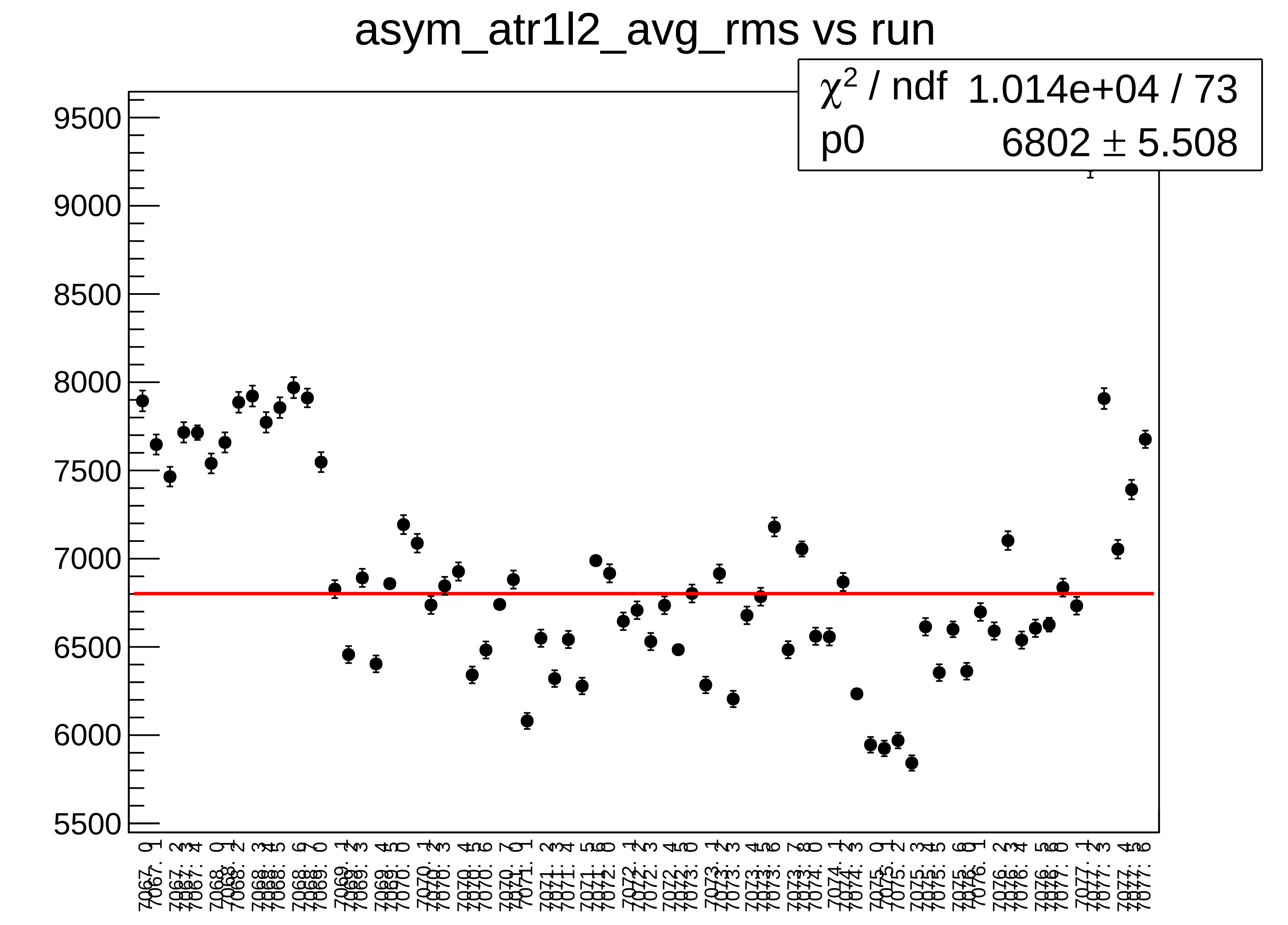


asym_atr1l2_avg_correction_mean vs run
×10^3
χ² / ndf 73.27 / 73
p0 6482 ± 7459
pull
Entries 74
Mean 169.5
Std Dev 102.3
pull1D
Entries 74
Mean 0.01373
Std Dev 0.995

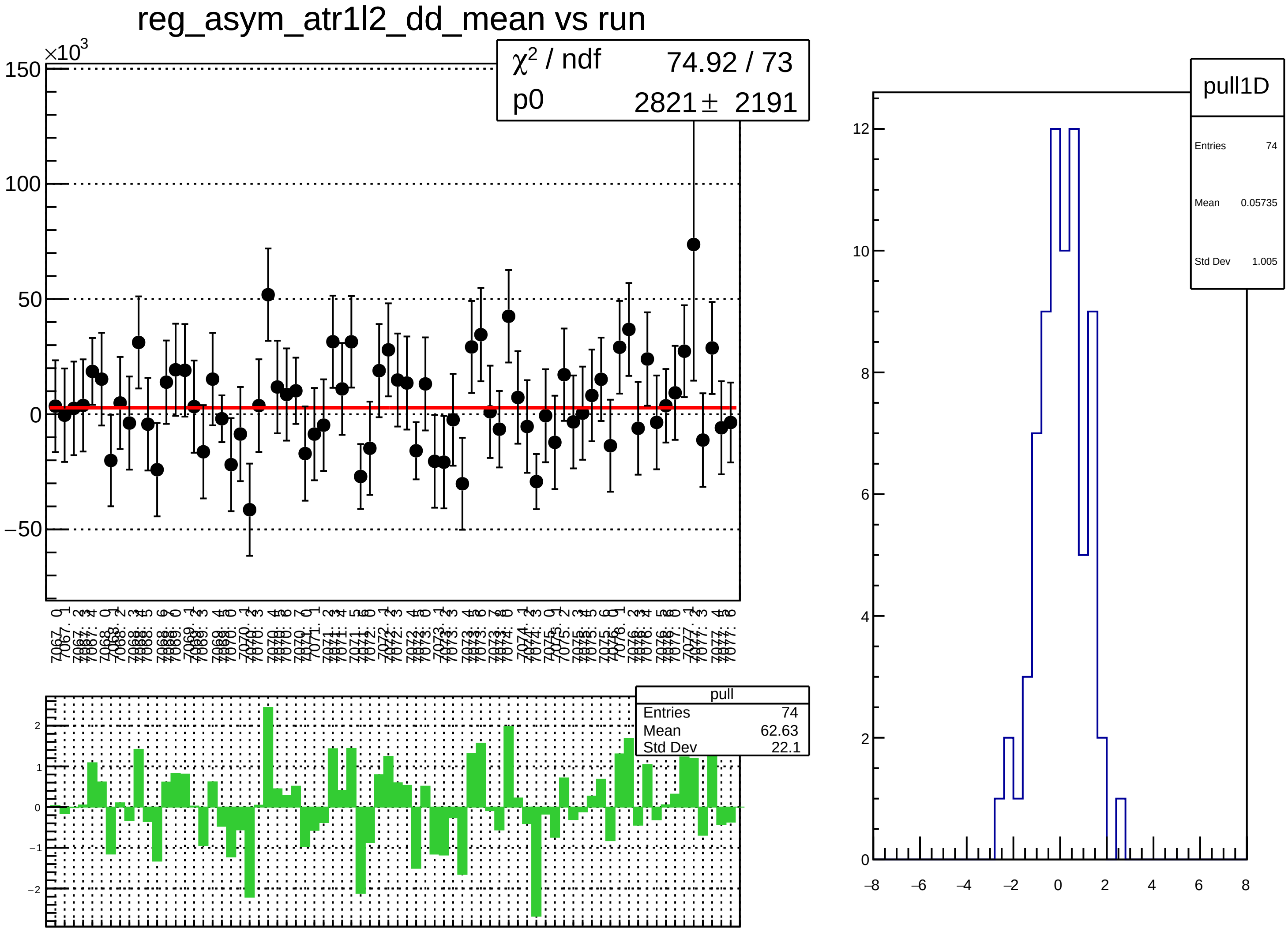


asym_atr1l2_avg_correction_rms vs run
χ^2 / ndf 1.055e+04 / 73
p0 6512 ± 5.274
8000
7500
7000
6500
6000
5500

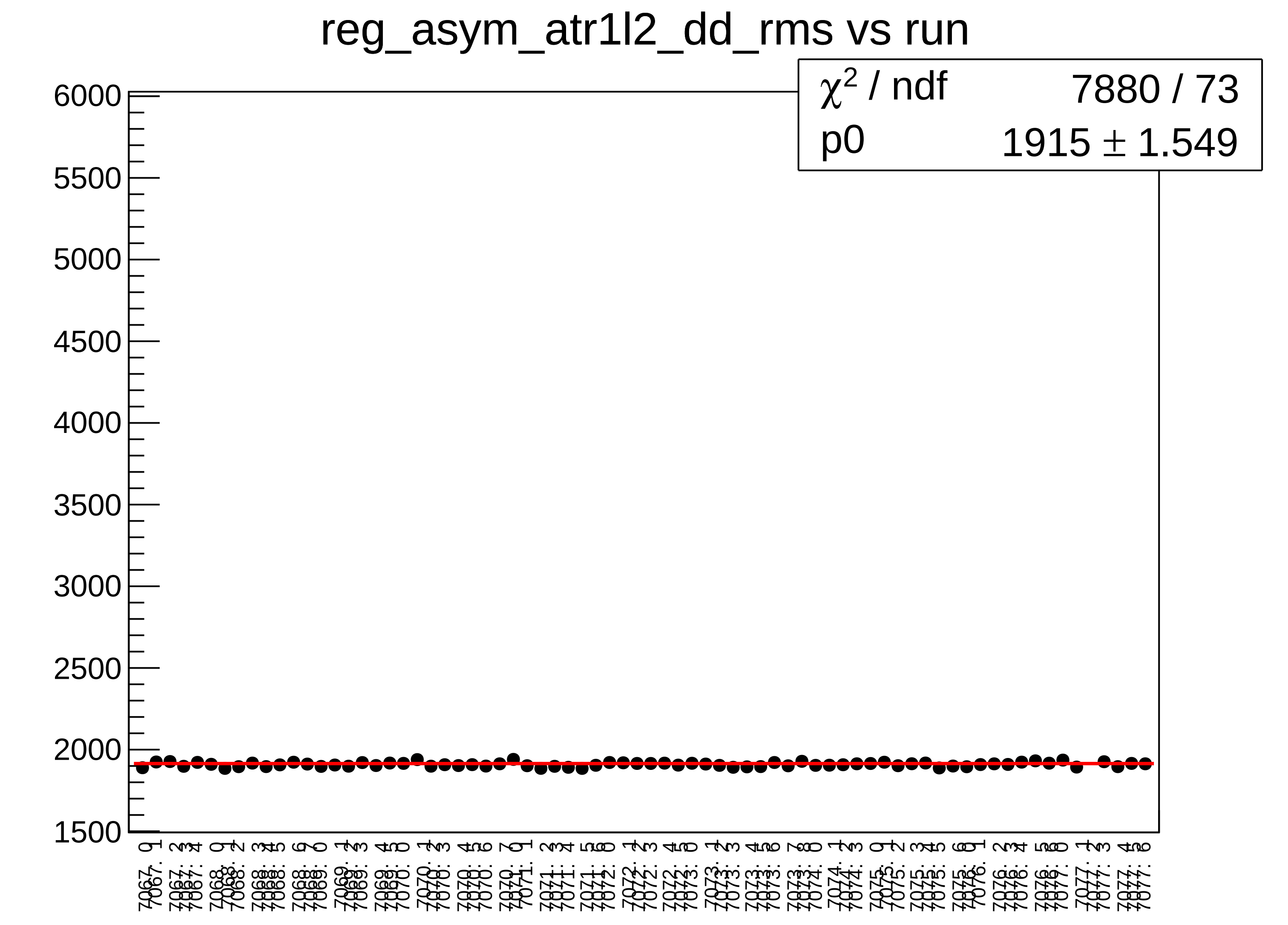

asym_atr1l2_avg_mean vs run
χ^2 / ndf 72.82 / 73
p0 −8586 ± 7790
×10^3
pull
Entries 74
Mean 190.7
Std Dev 116.7
pull1D
Entries 74
Mean −0.01021
Std Dev 0.9919



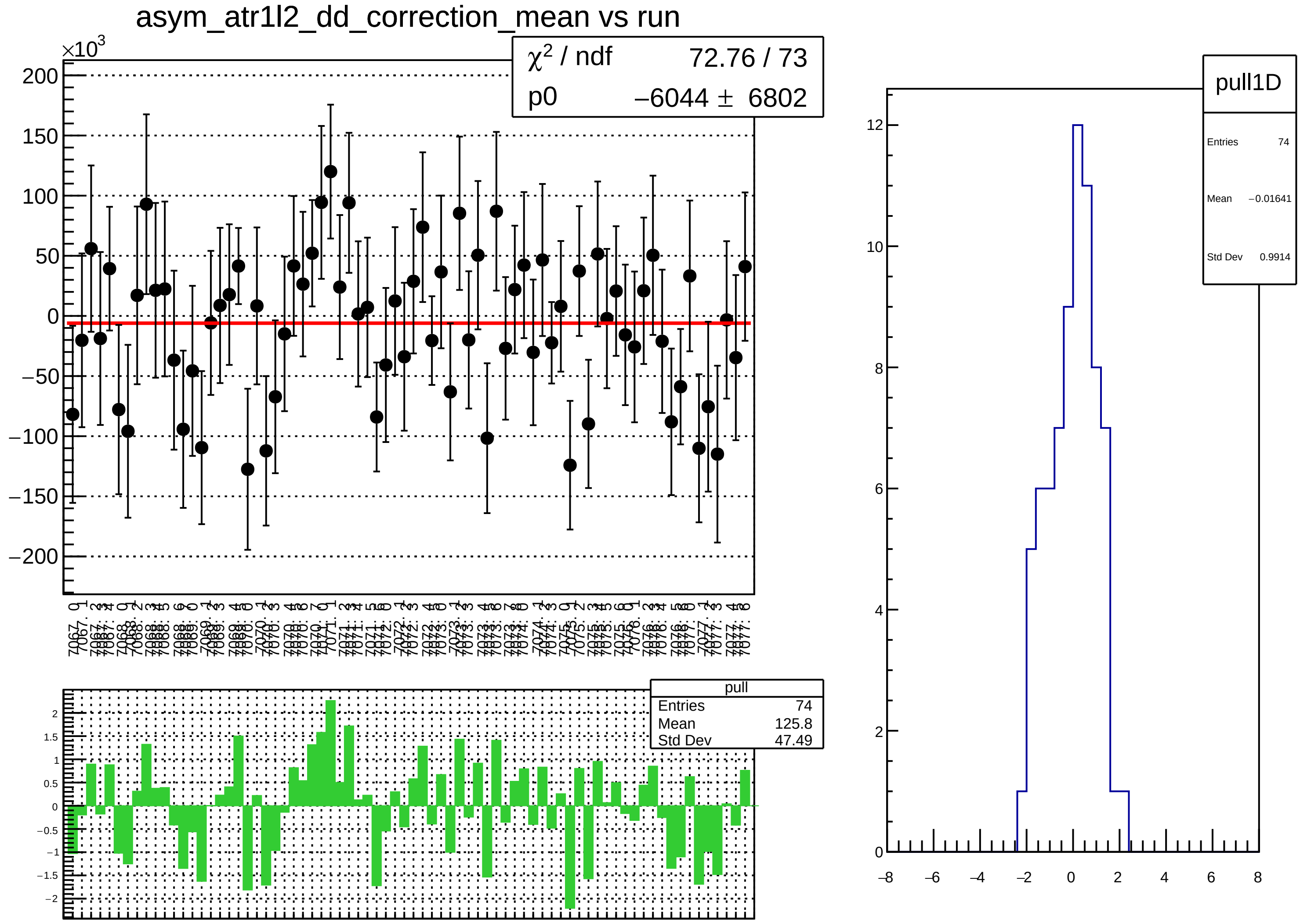
asym_atr1l2_avg_rms vs run
χ2 / ndf 1.014e+04 / 73
p0 6802 ± 5.508
9500
9000
8500
8000
7500
7000
6500
6000
5500

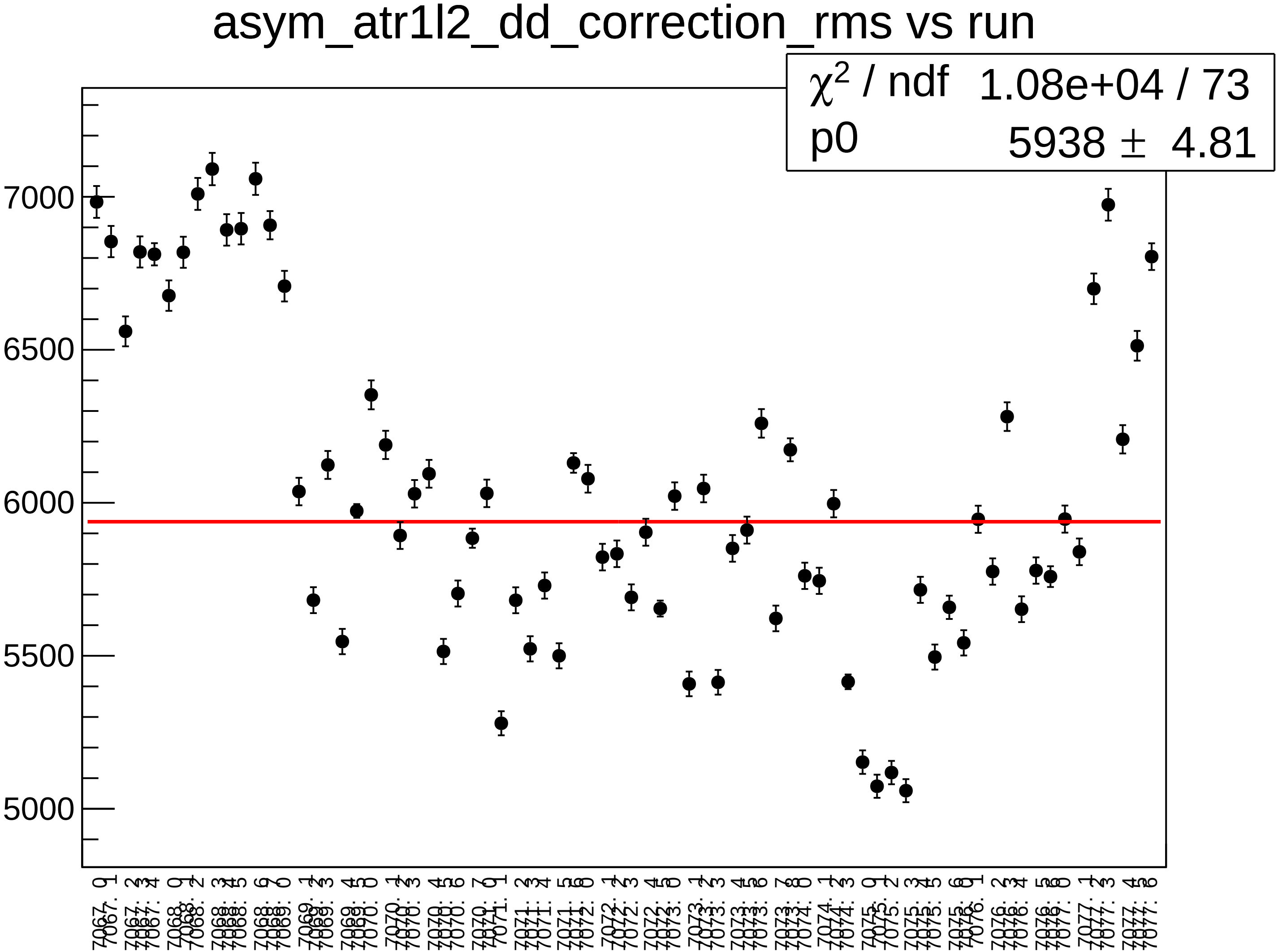


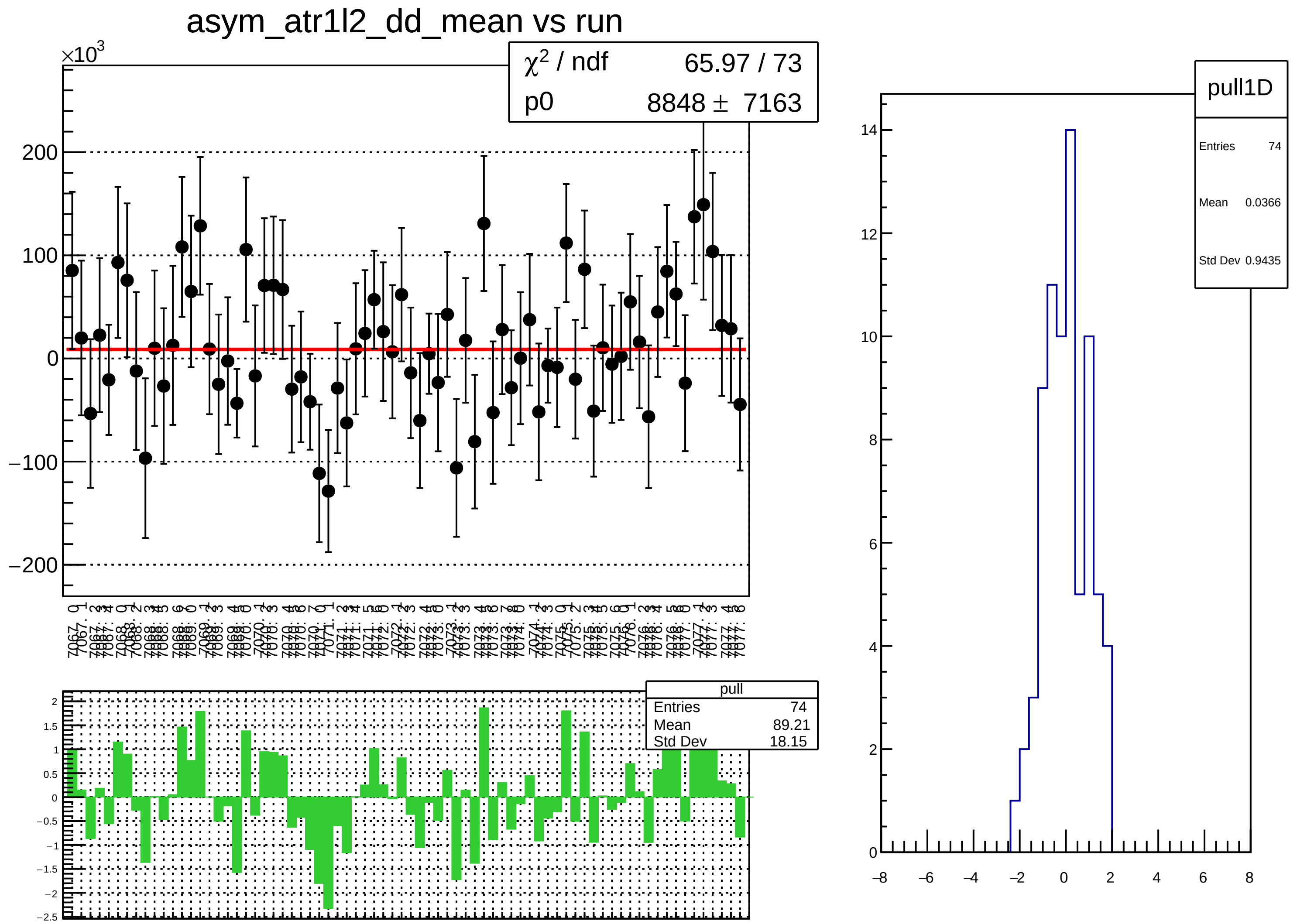
reg_asym_atr1l2_dd_mean vs run
×10^3
χ2 / ndf 74.92 / 73
p0 2821 ± 2191
pull
Entries 74
Mean 62.63
Std Dev 22.1
pull1D
Entries 74
Mean 0.05735
Std Dev 1.005

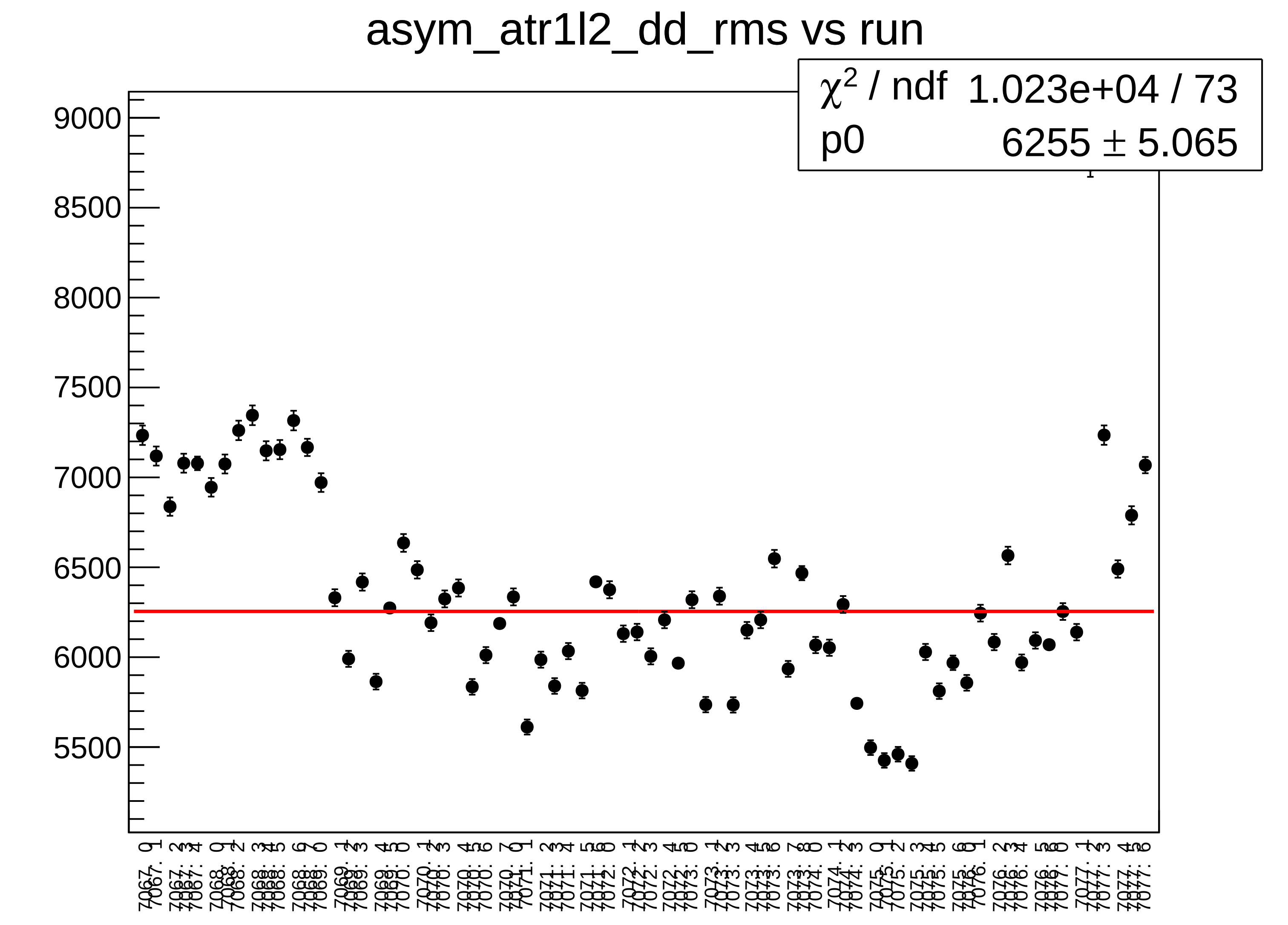


reg_asym_atr1l2_dd_rms vs run
χ2 / ndf 7880 / 73
p0 1915 ± 1.549
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

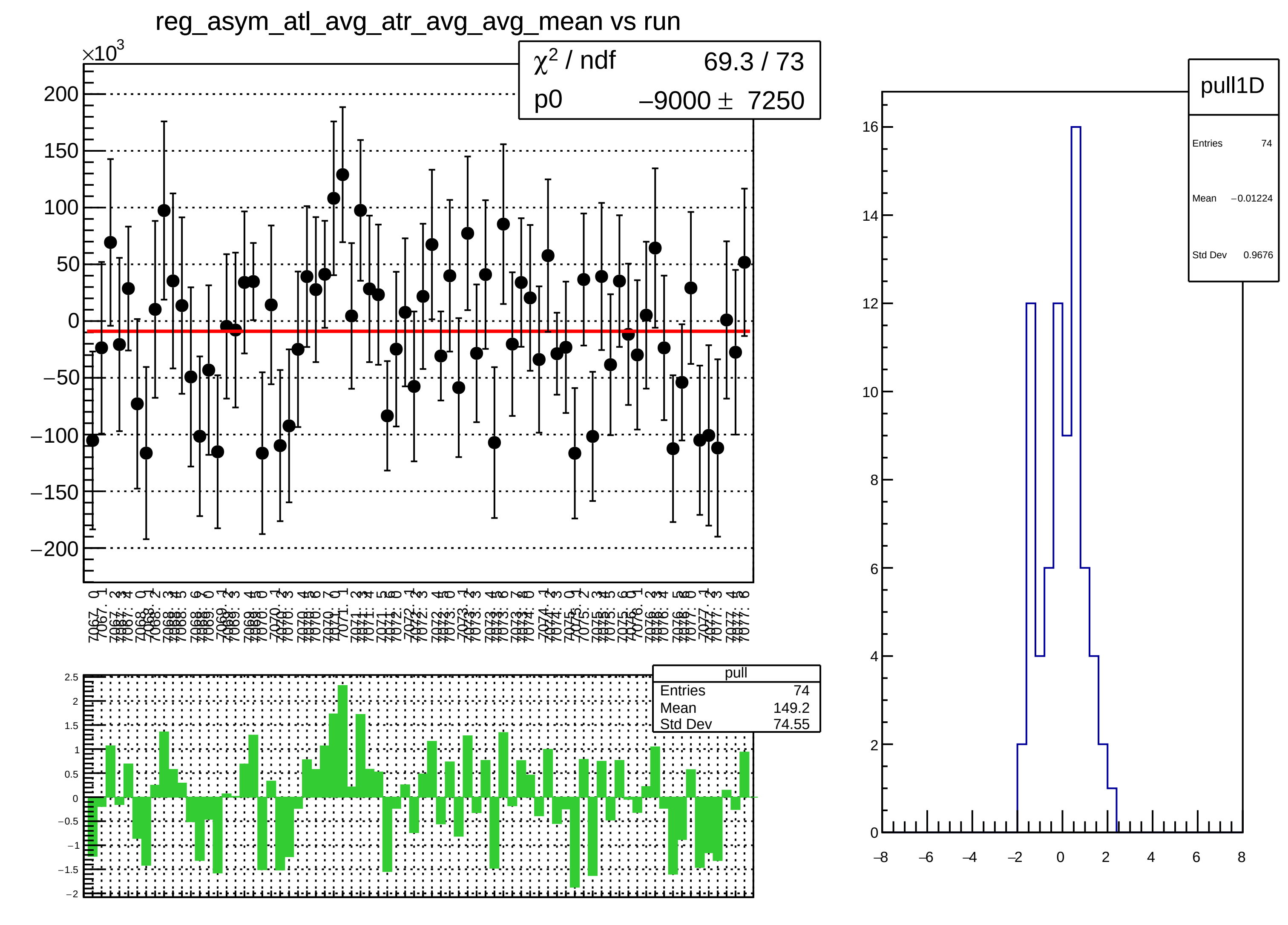

asym_atr1l2_dd_correction_mean vs run
×10^3
χ^2 / ndf 72.76 / 73
p0 −6044 ± 6802
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 74
Mean 125.8
Std Dev 47.49
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.01641
Std Dev 0.9914
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

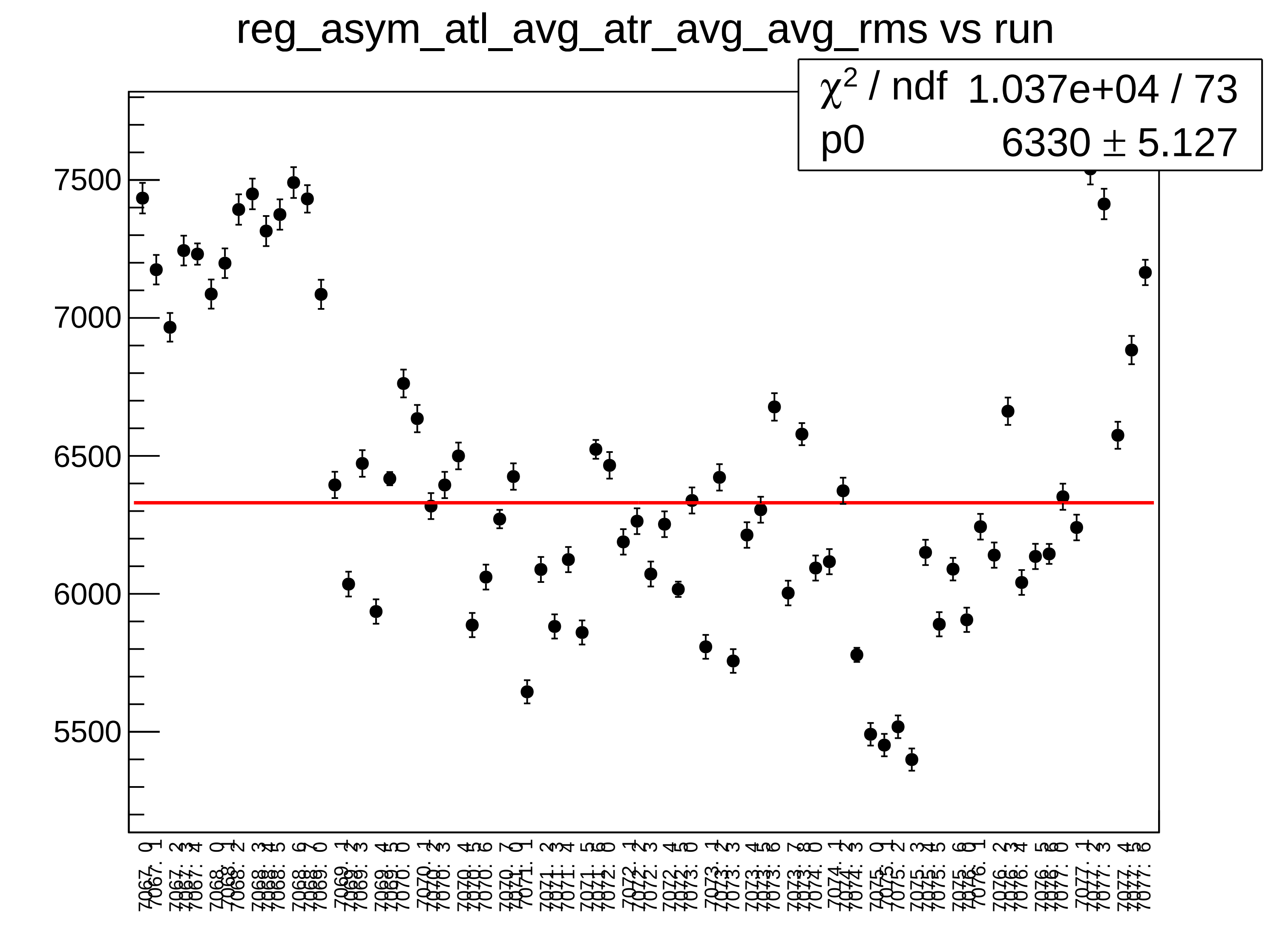

asym_atr1l2_dd_correction_rms vs run
χ^2 / ndf 1.08e+04 / 73
p0 5938 ± 4.81
7000
6500
6000
5500
5000


asym_atr1l2_dd_mean vs run
$\times 10^3$
χ^2 / ndf 65.97 / 73
p0 8848 ± 7163
200
100
0
−100
−200
pull
Entries 74
Mean 89.21
Std Dev 18.15
pull1D
Entries 74
Mean 0.0366
Std Dev 0.9435
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

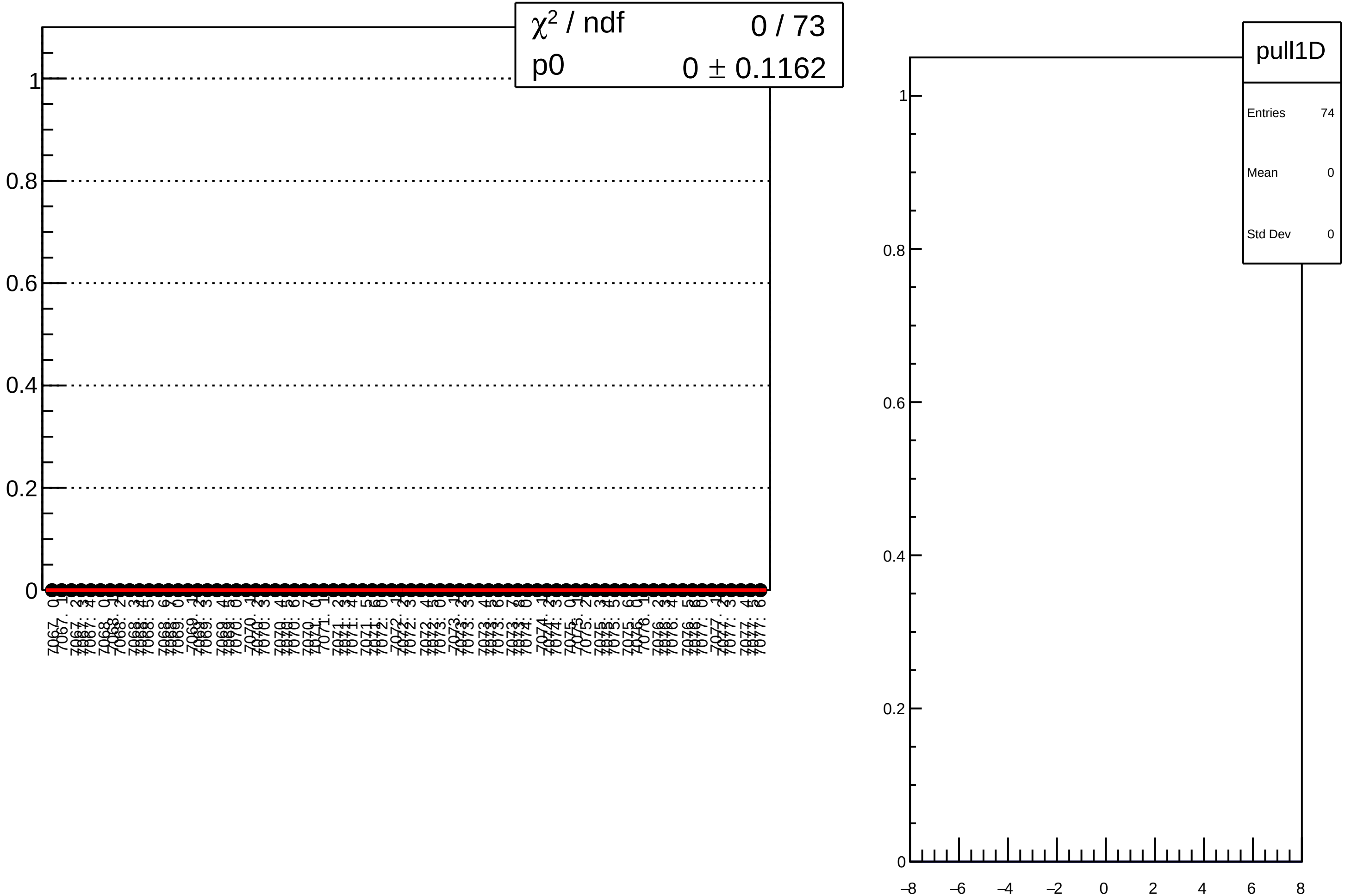


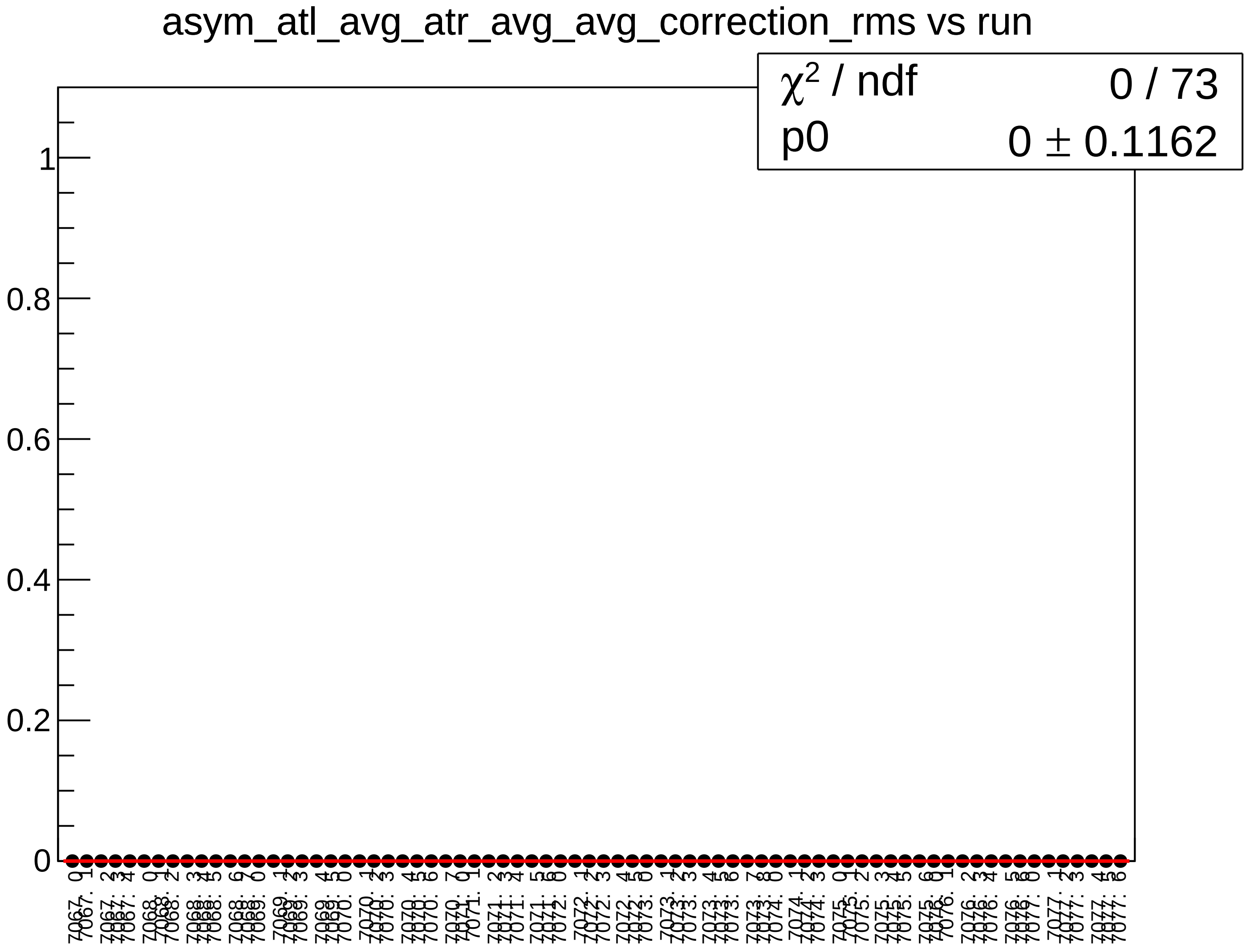
asym_atr1l2_dd_rms vs run
χ^2 / ndf 1.023e+04 / 73
p0 6255 ± 5.065
9000
8500
8000
7500
7000
6500
6000
5500

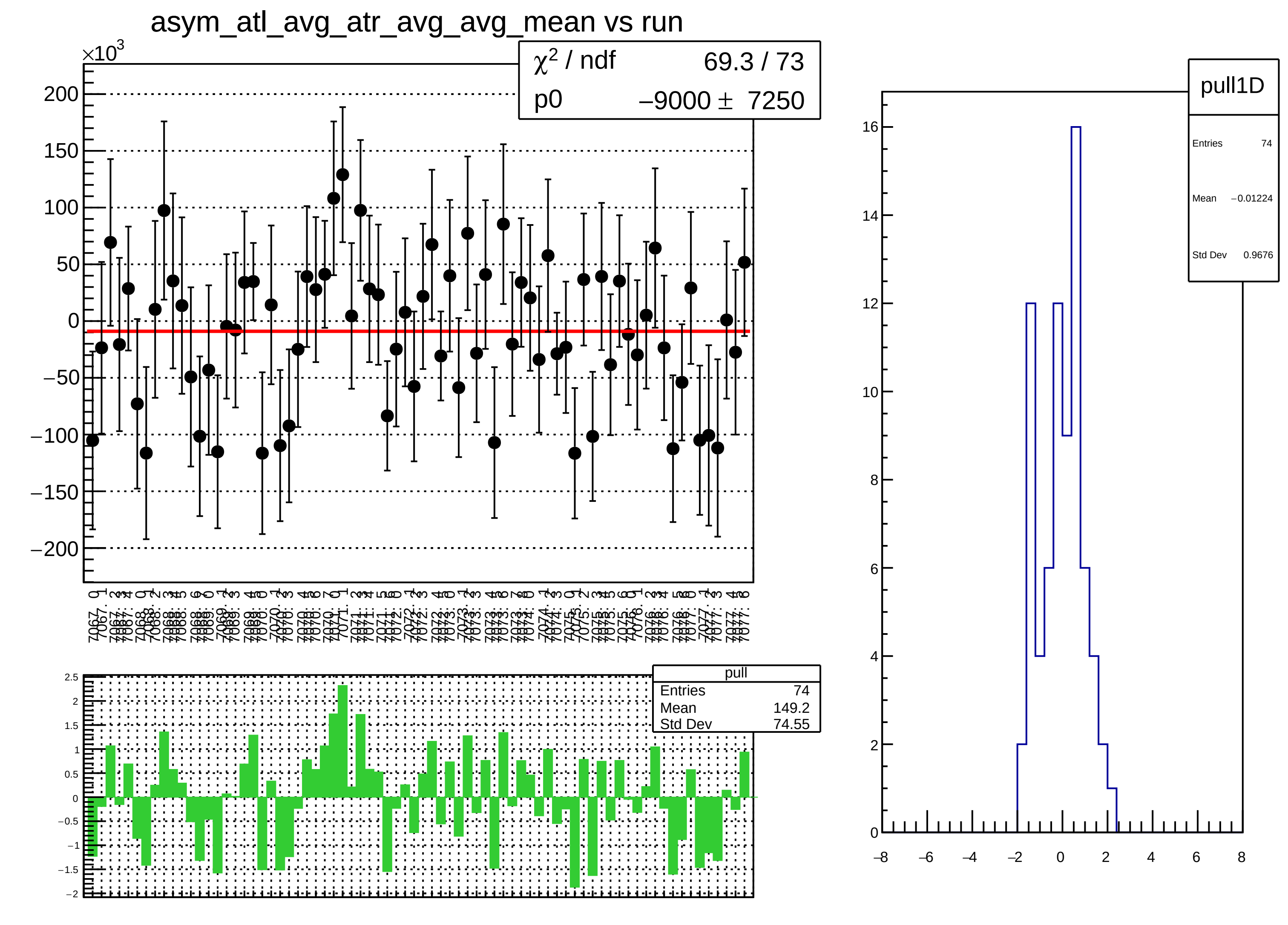

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 69.3 / 73
p0 −9000 ± 7250
pull
Entries 74
Mean 149.2
Std Dev 74.55
pull1D
Entries 74
Mean −0.01224
Std Dev 0.9676


reg_asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 1.037e+04 / 73
p0 6330 ± 5.127
7500
7000
6500
6000
5500

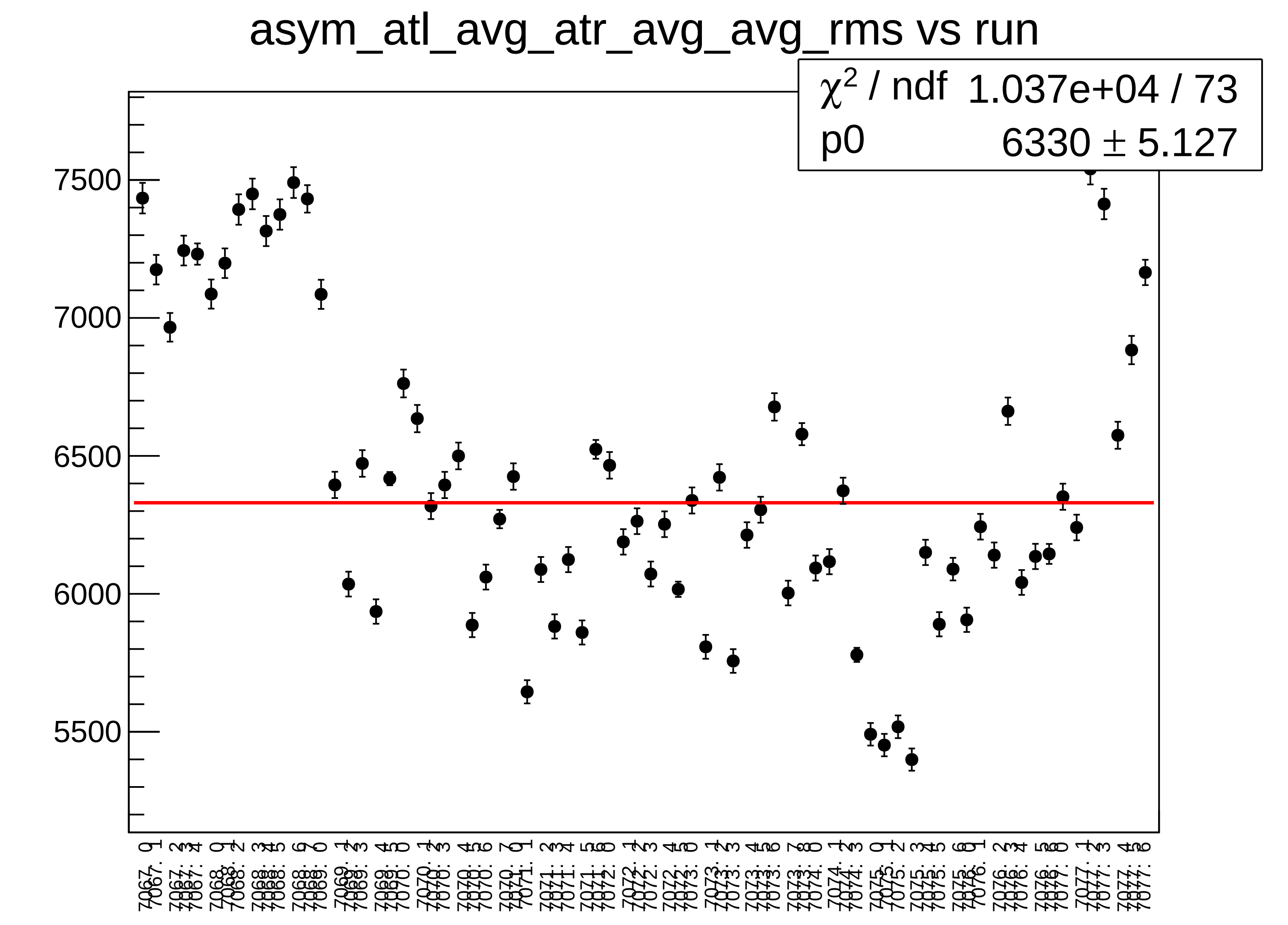
asym_atl_avg_atr_avg_avg_correction_mean vs run



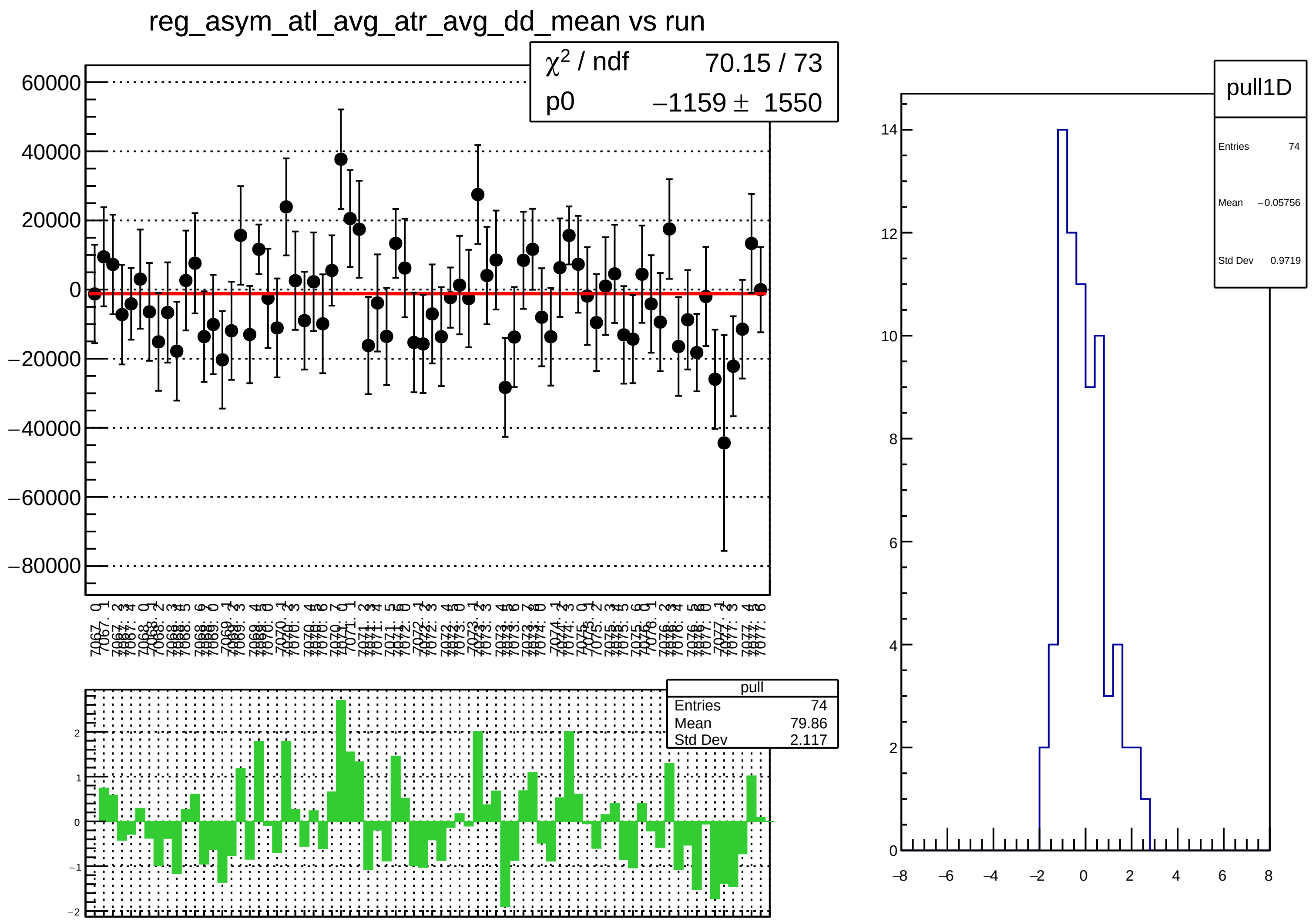

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 0 / 73
p0 0 ± 0.1162
1
0.8
0.6
0.4
0.2
0

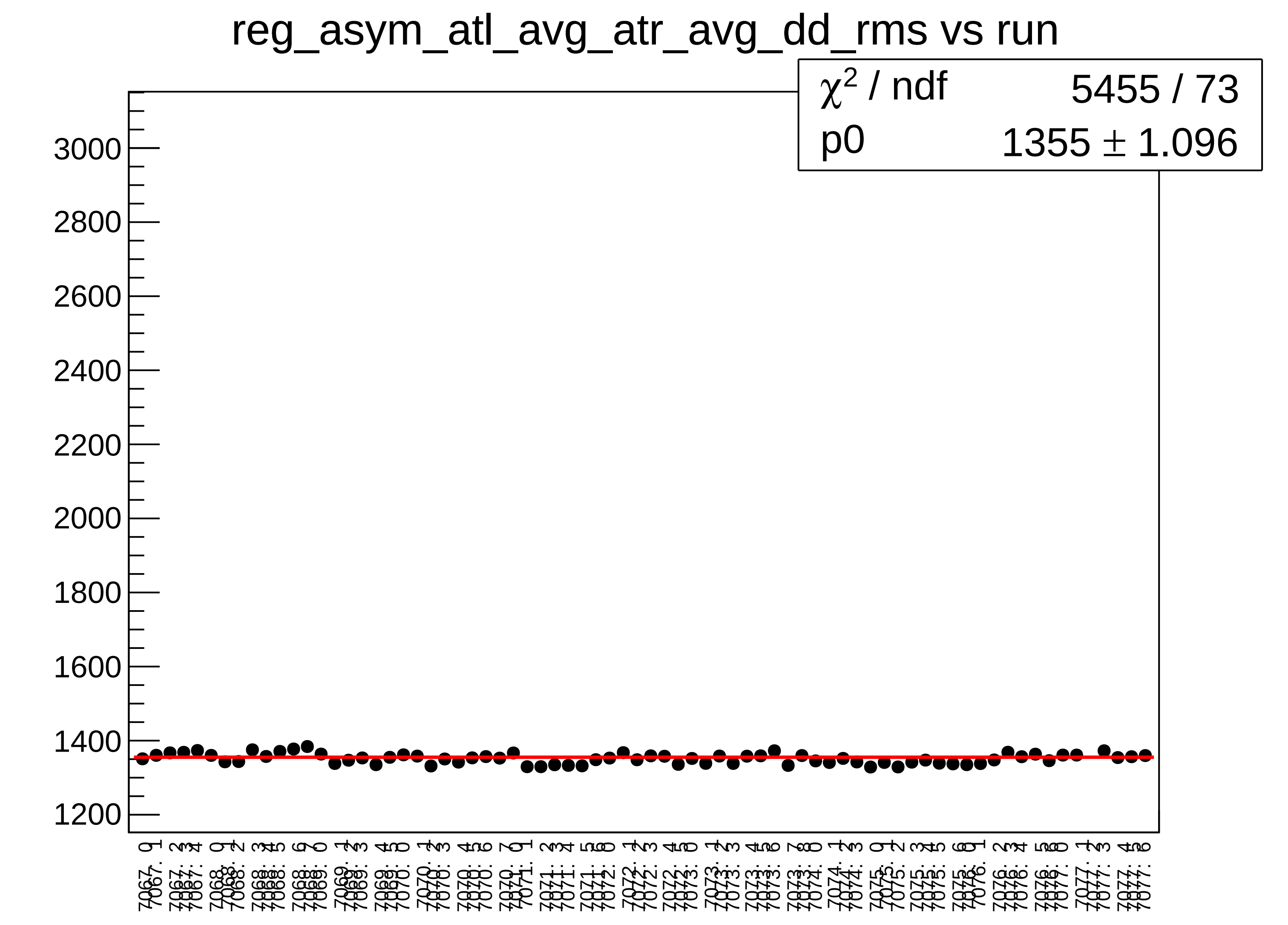


asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 69.3 / 73
p0 −9000 ± 7250
pull
Entries 74
Mean 149.2
Std Dev 74.55
pull1D
Entries 74
Mean −0.01224
Std Dev 0.9676

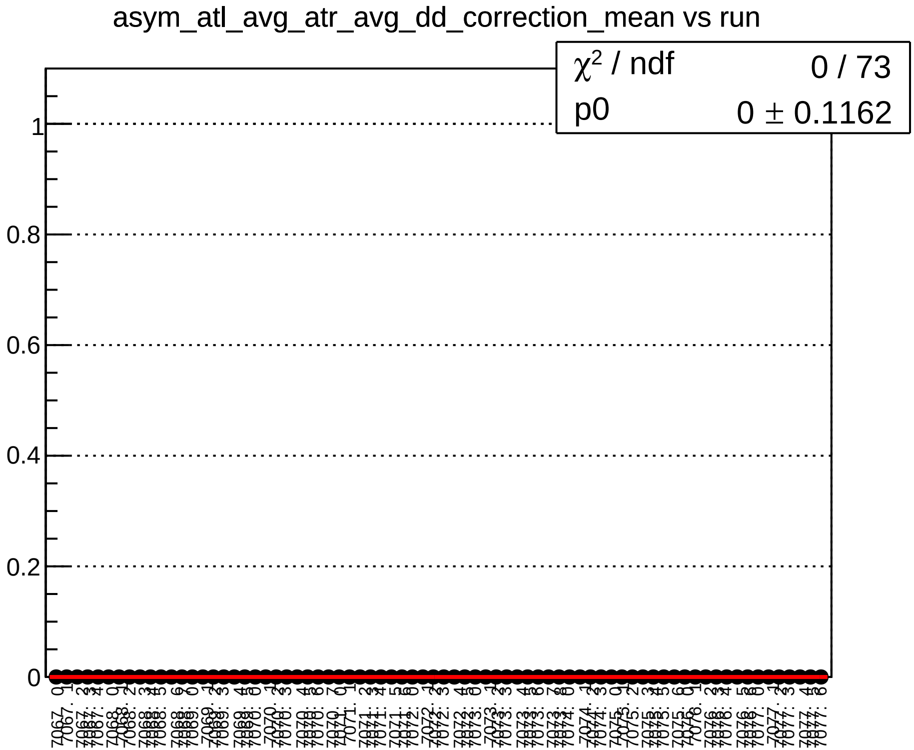


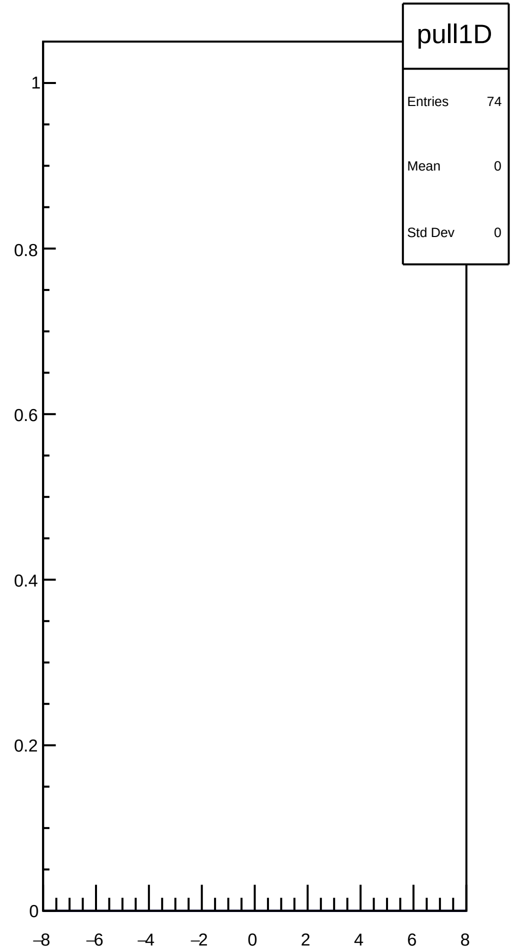
asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.037e+04 / 73
p0 6330 ± 5.127
7500
7000
6500
6000
5500


reg_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 70.15 / 73
p0 −1159 ± 1550
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 74
Mean 79.86
Std Dev 2.117
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.05756
Std Dev 0.9719
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

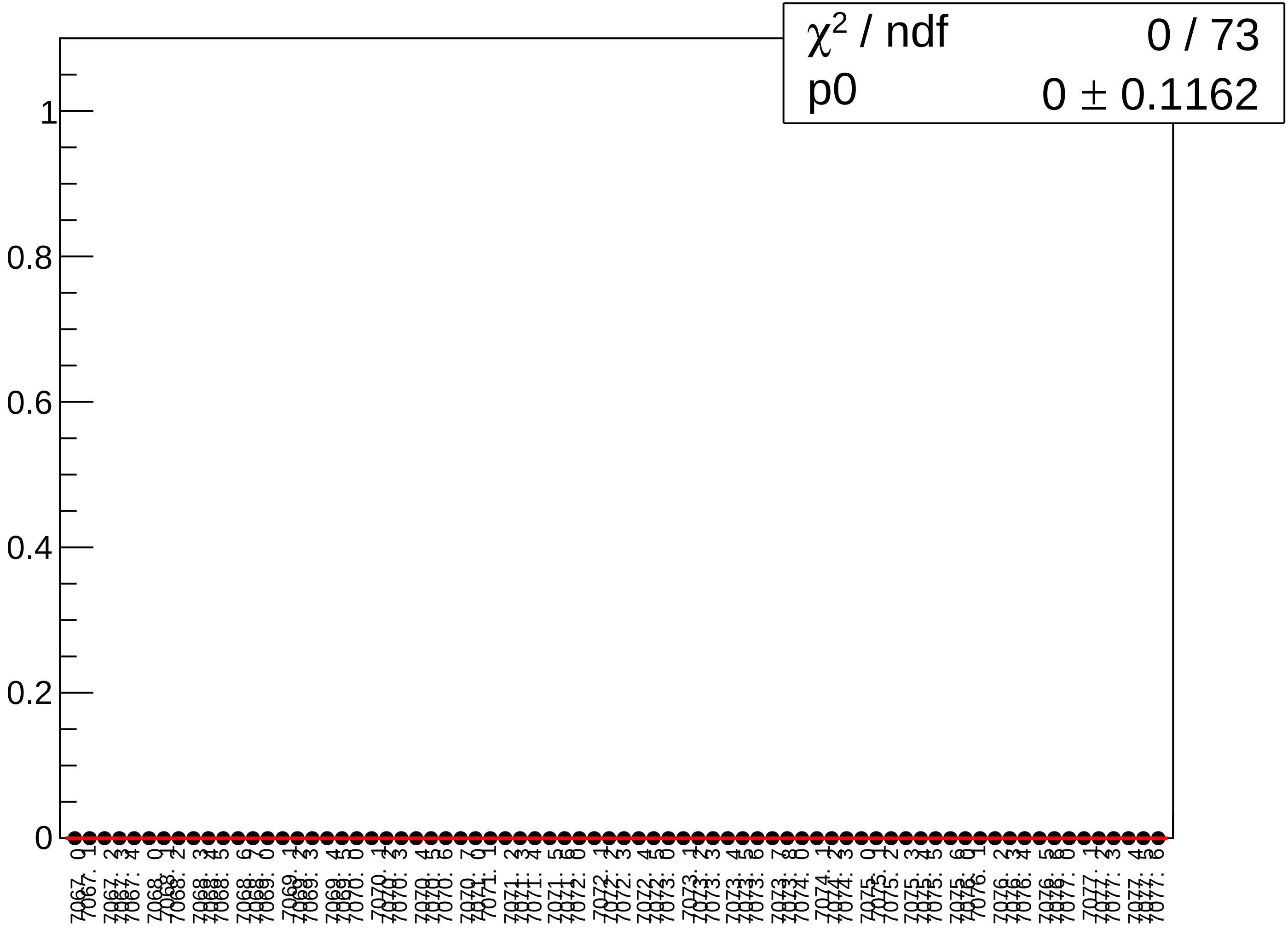


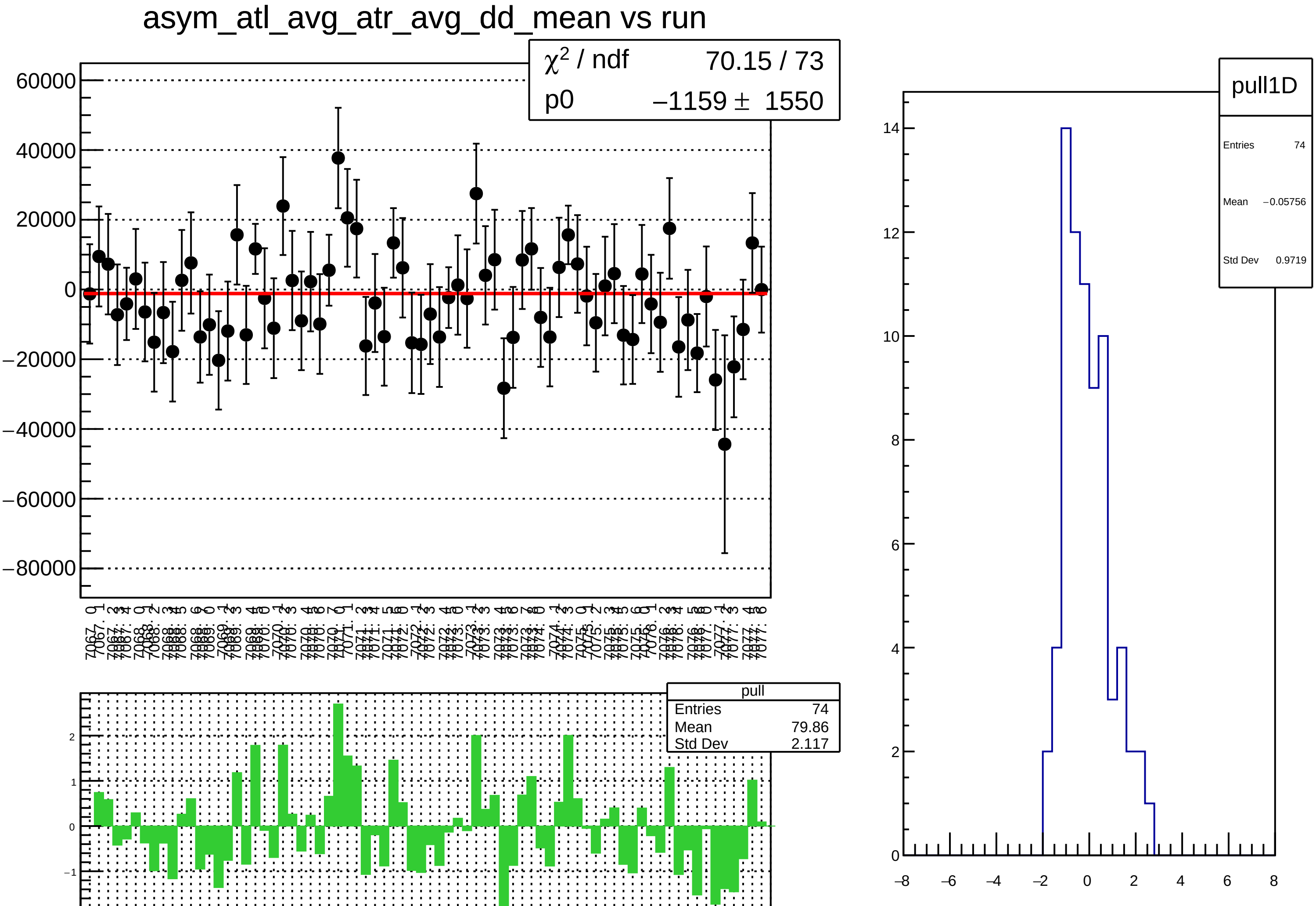
reg_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 5455 / 73
p0 1355 ± 1.096
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200


asym_atl_avg_atr_avg_dd_correction_mean vs run
χ2 / ndf 0 / 73
p0 0 ± 0.1162

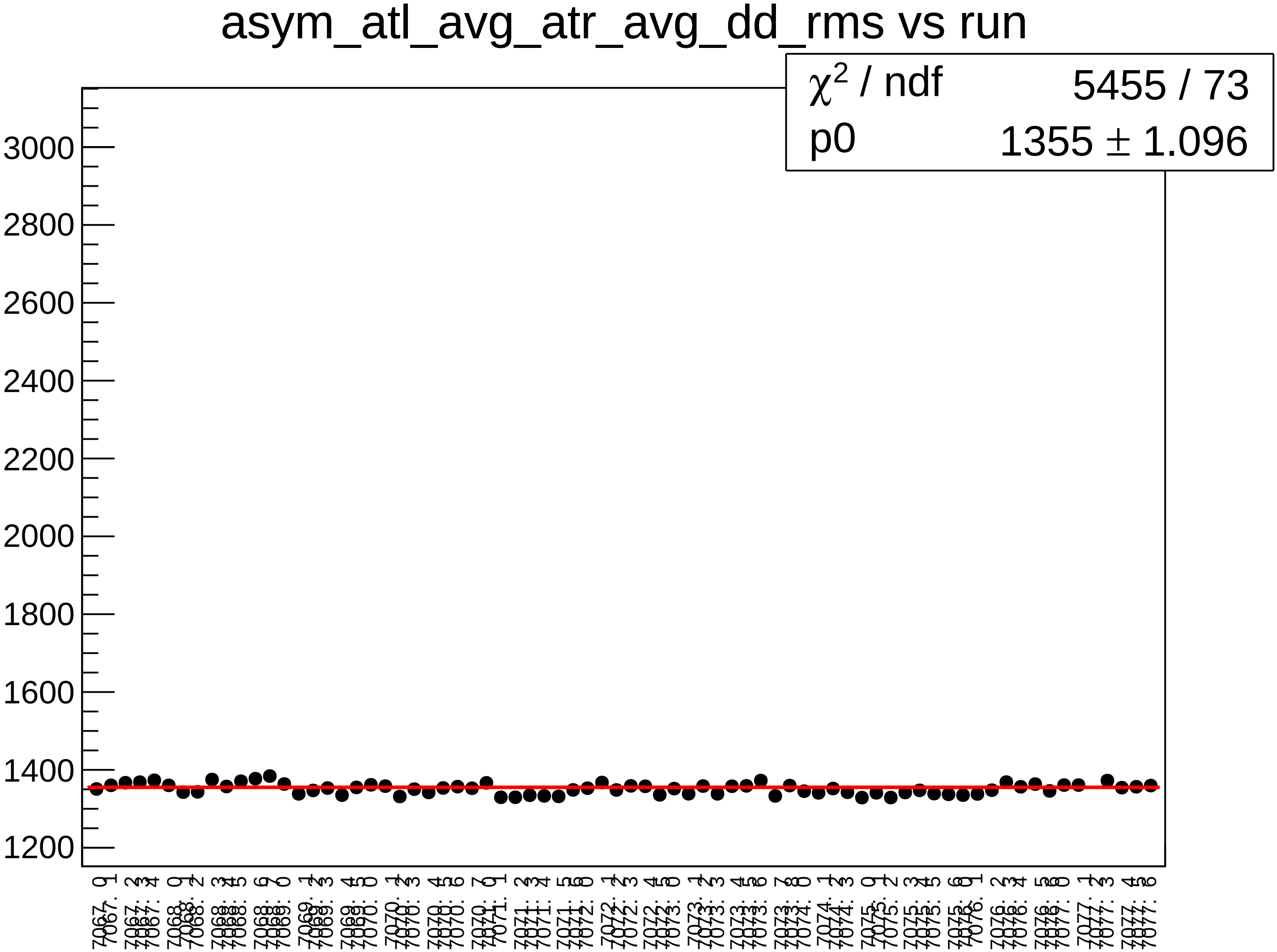

pull1D
Entries 74
Mean 0
Std Dev 0

asym_atl_avg_atr_avg_dd_correction_rms vs run

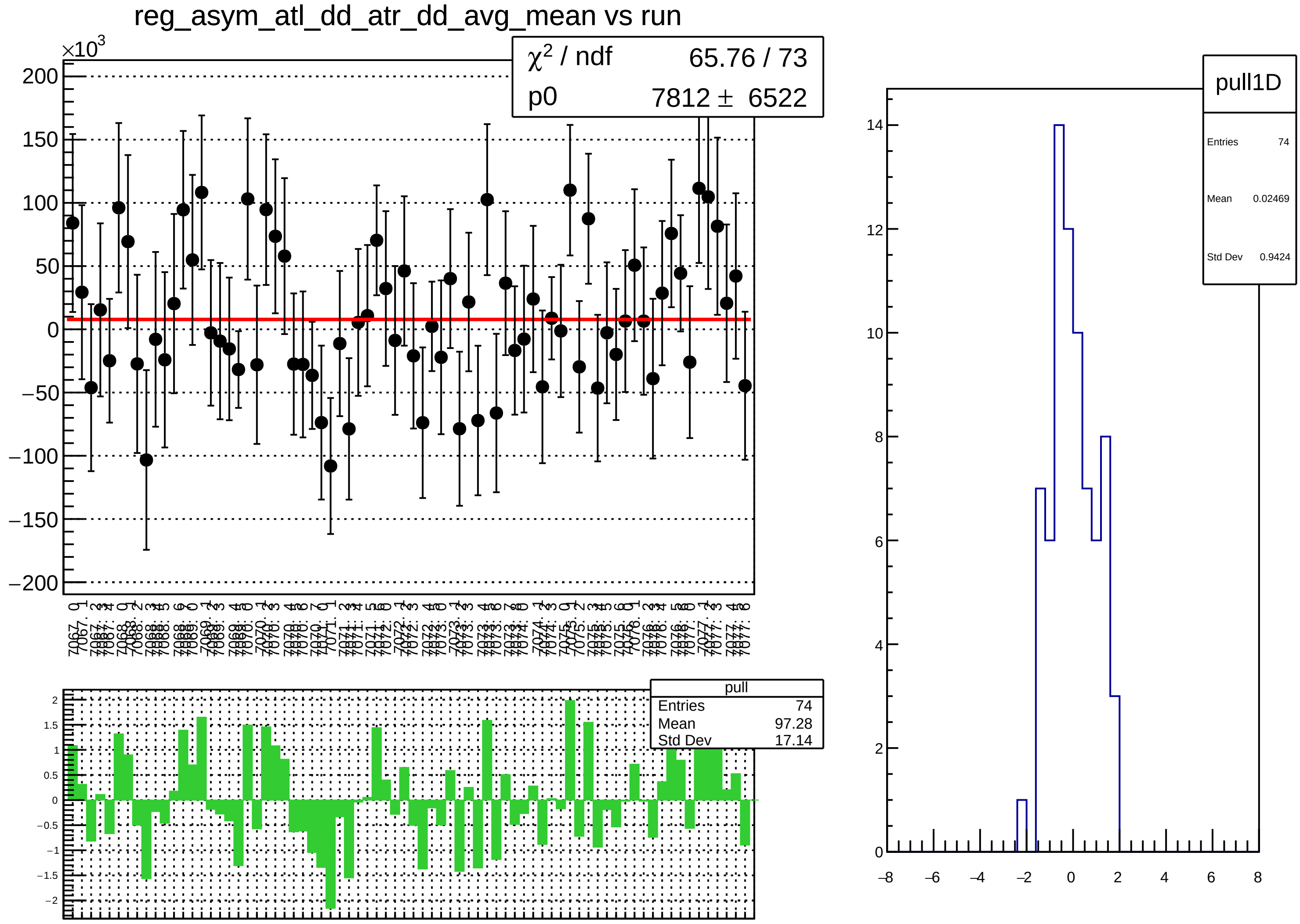




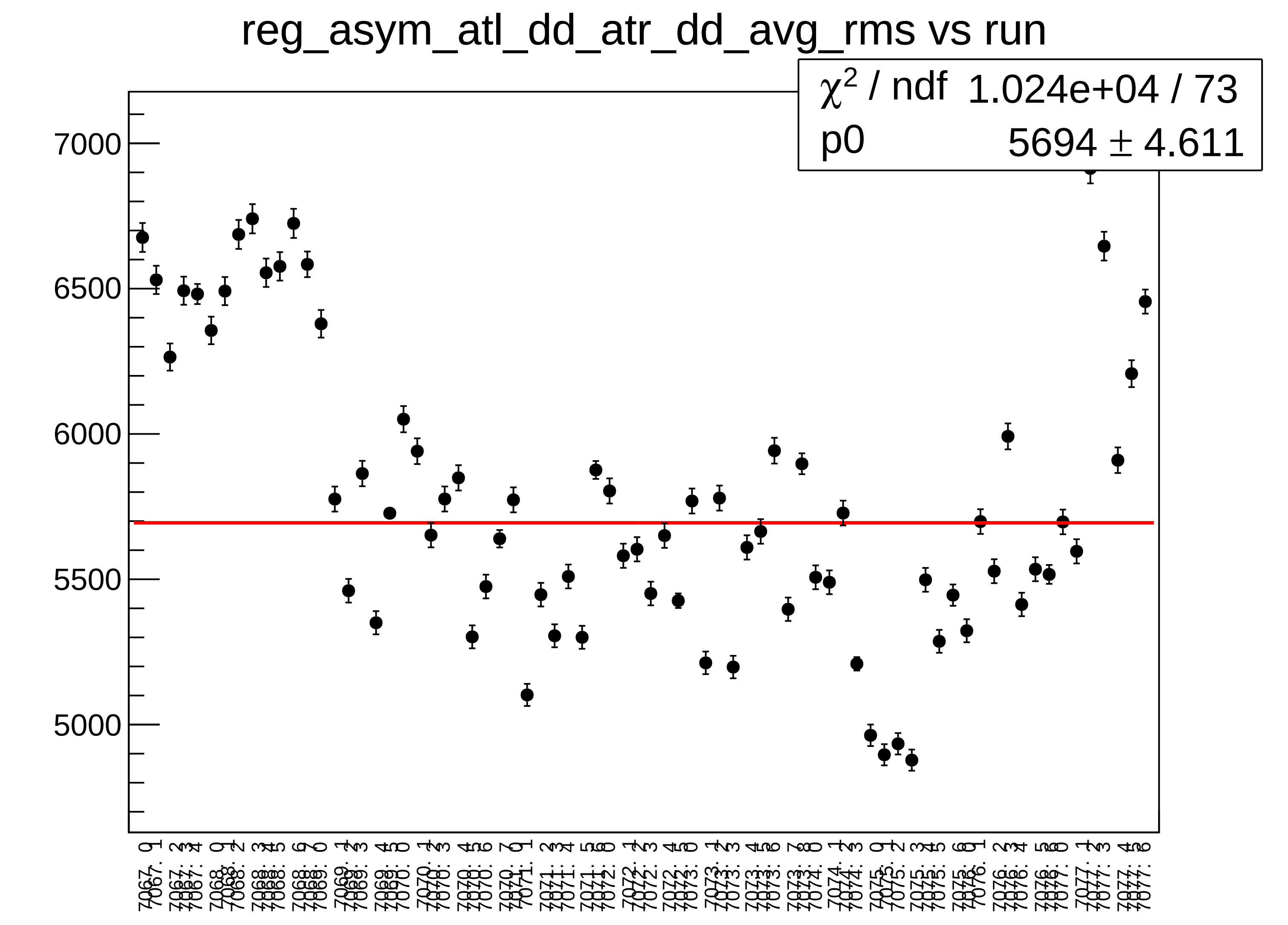
asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 70.15 / 73
p0 −1159 ± 1550
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 74
Mean 79.86
Std Dev 2.117
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.05756
Std Dev 0.9719
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

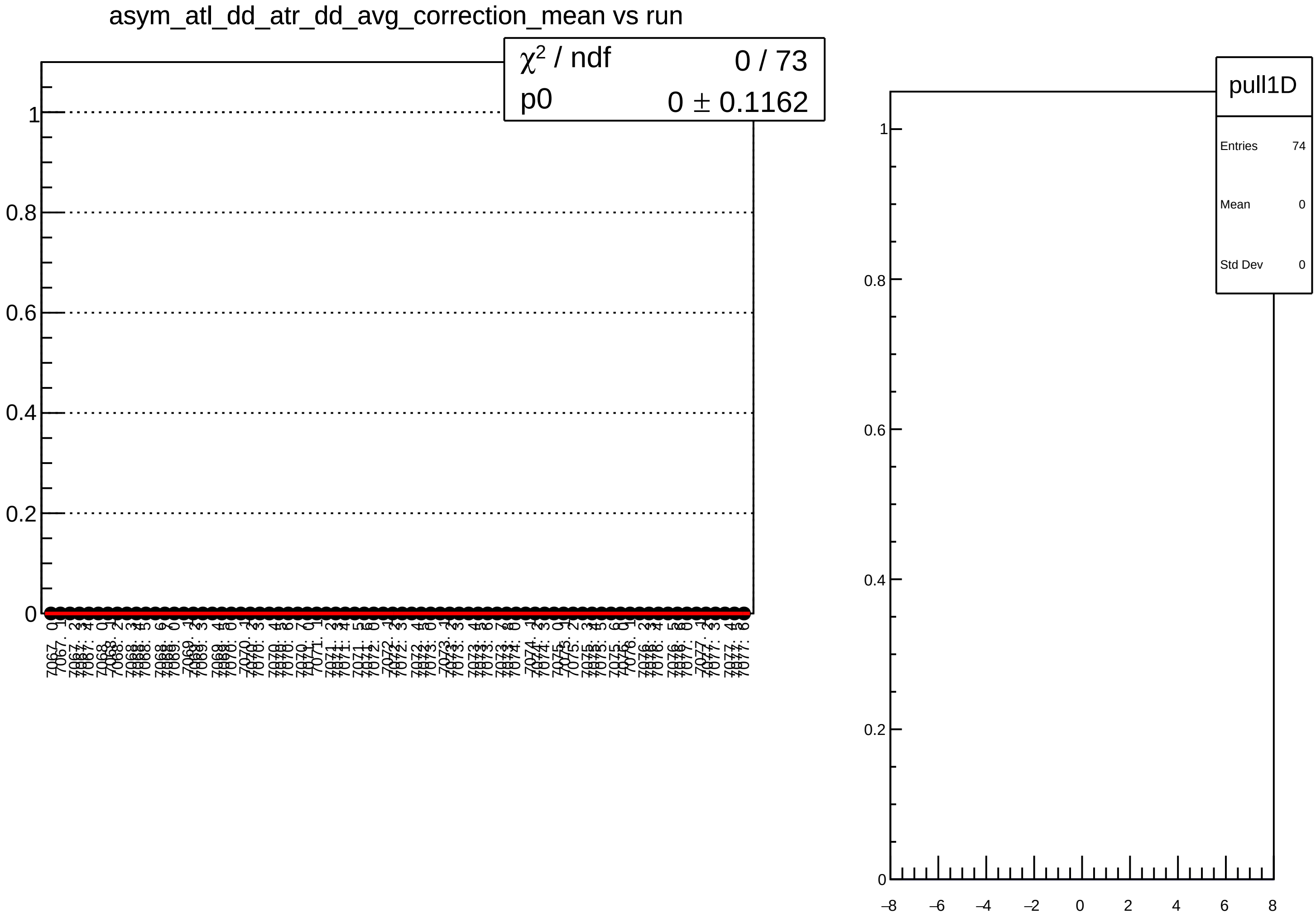


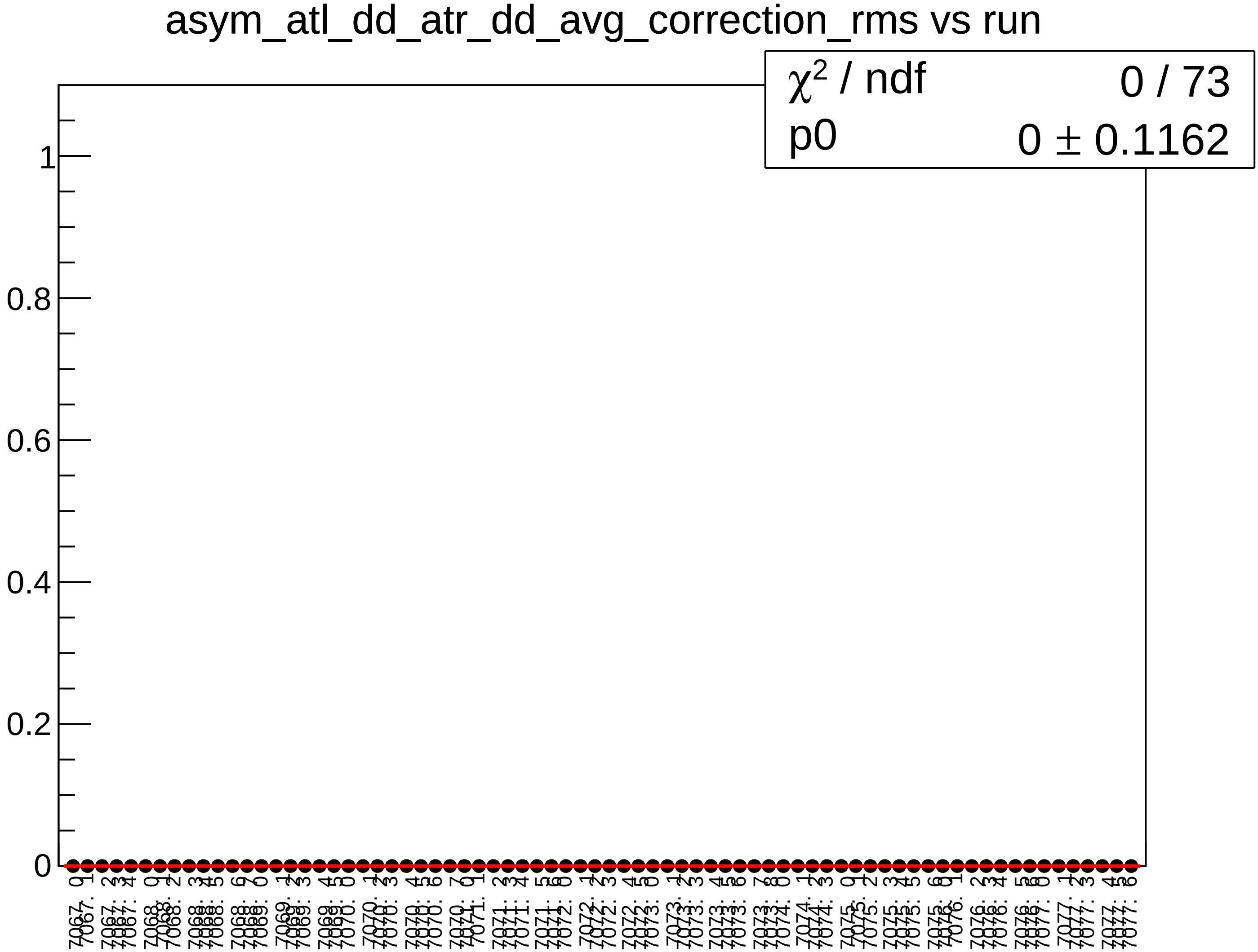
asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 5455 / 73
p0 1355 ± 1.096
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

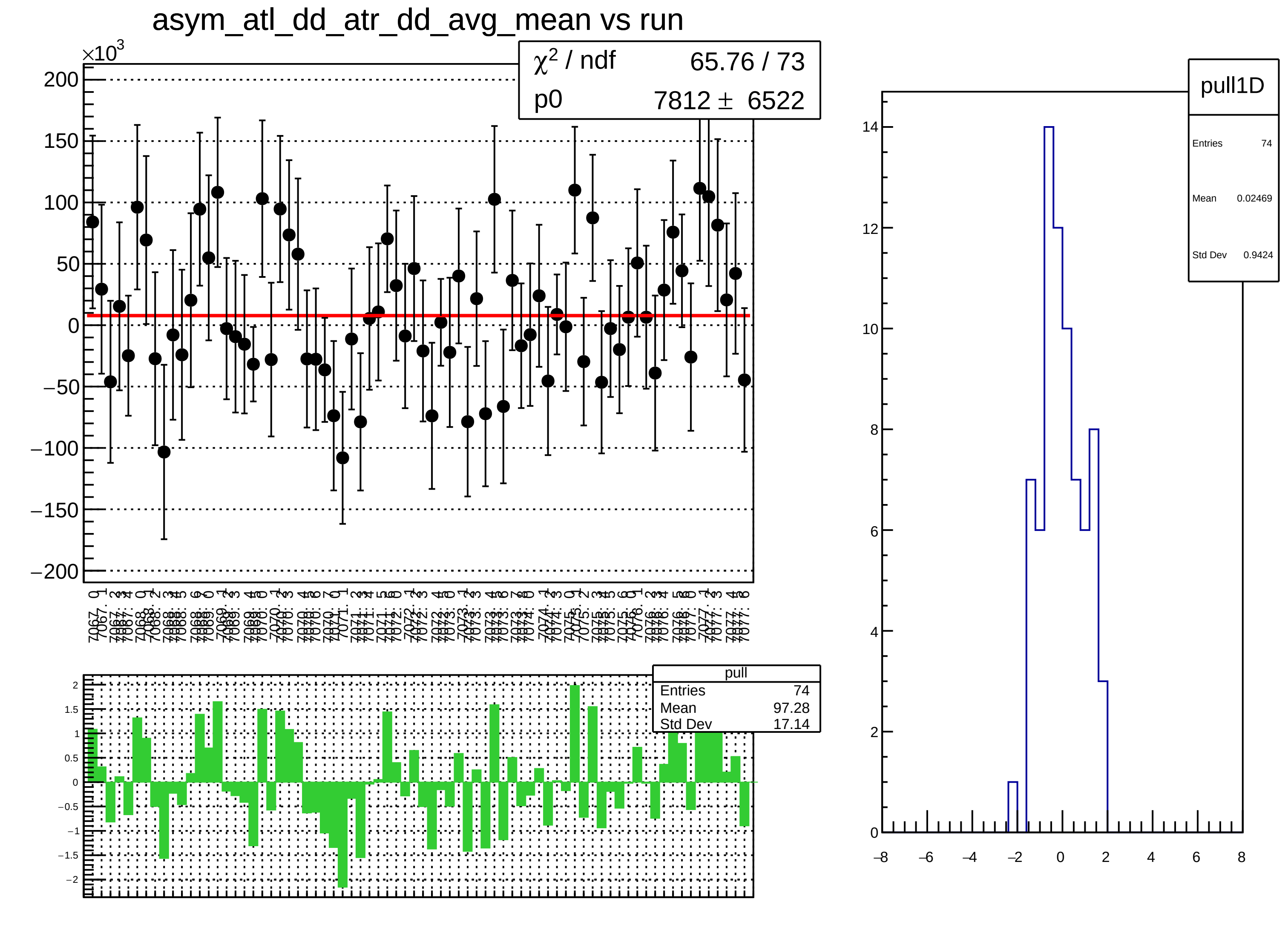


reg_asym_atl_dd_atr_dd_avg_mean vs run
$\times10^3$
χ^2 / ndf 65.76 / 73
p0 7812 ± 6522
pull
Entries 74
Mean 97.28
Std Dev 17.14
pull1D
Entries 74
Mean 0.02469
Std Dev 0.9424

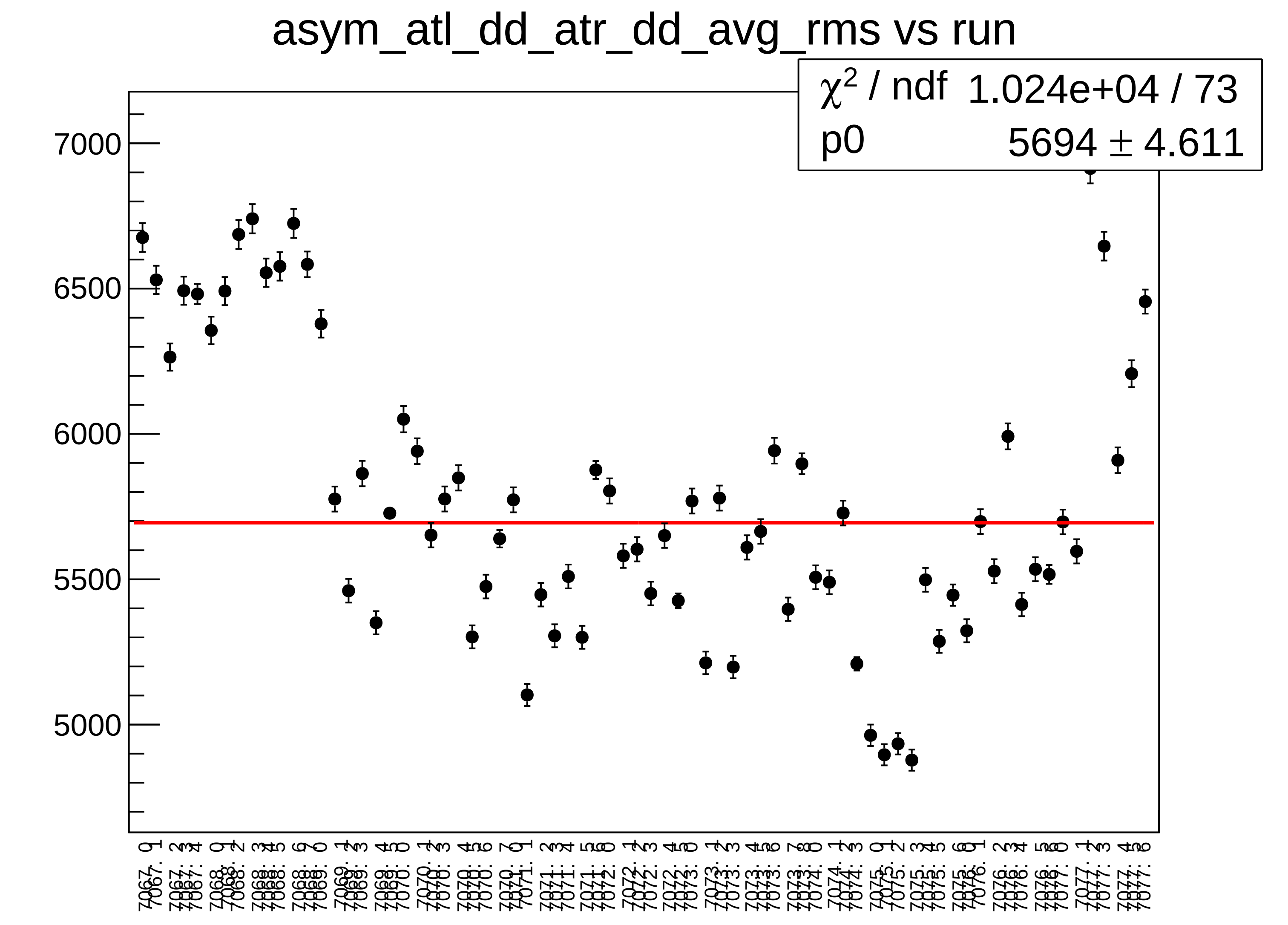

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 1.024e+04 / 73
p0 5694 ± 4.611
7000
6500
6000
5500
5000


asym_atl_dd_atr_dd_avg_correction_mean vs run
χ^2 / ndf 0 / 73
p0 0 ± 0.1162
0
0.2
0.4
0.6
0.8
1
pull1D
Entries 74
Mean 0
Std Dev 0
–8
–6
–4
–2
0
2
4
6
8

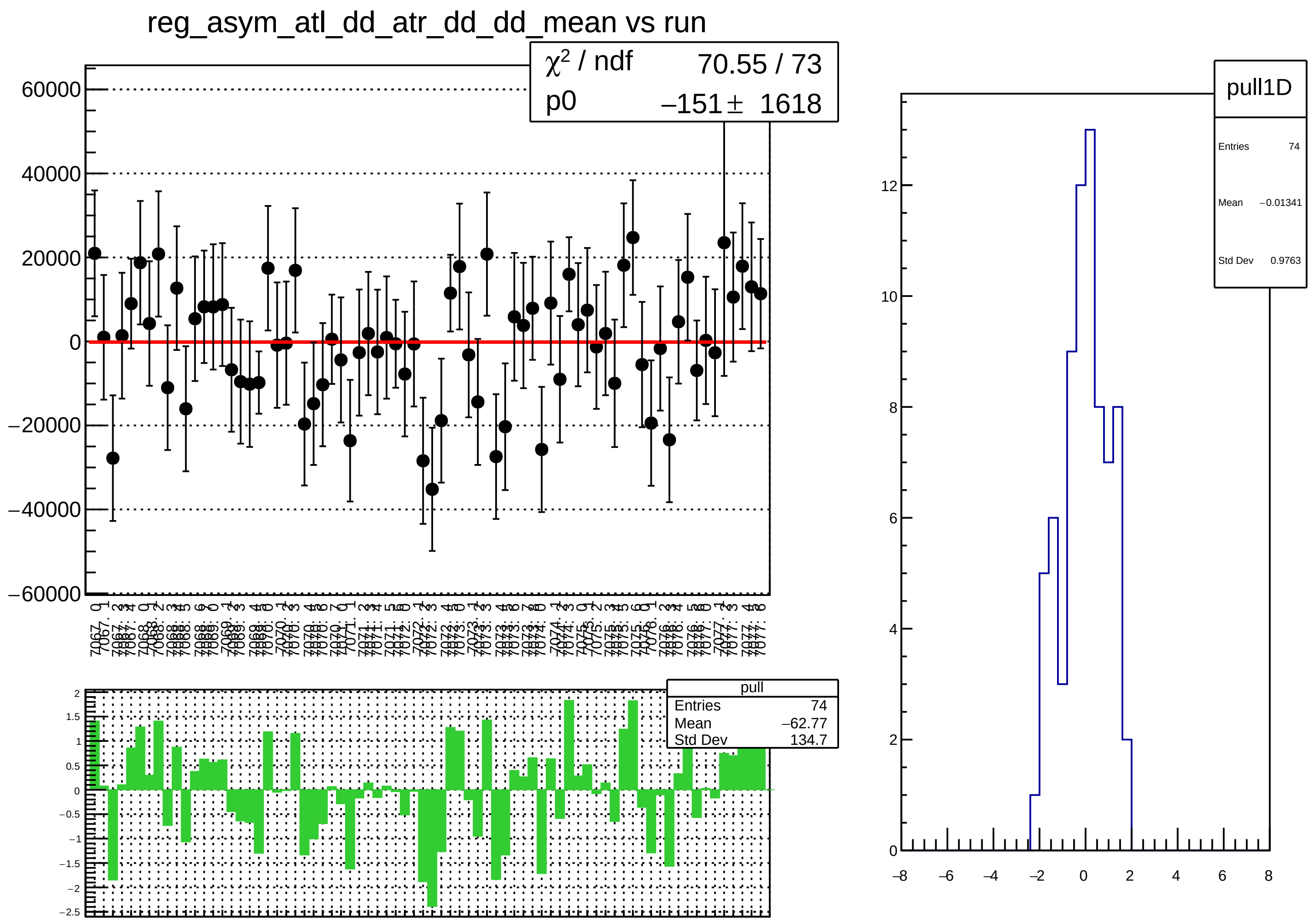

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ2 / ndf 0 / 73
p0 0 ± 0.1162
1
0.8
0.6
0.4
0.2
0

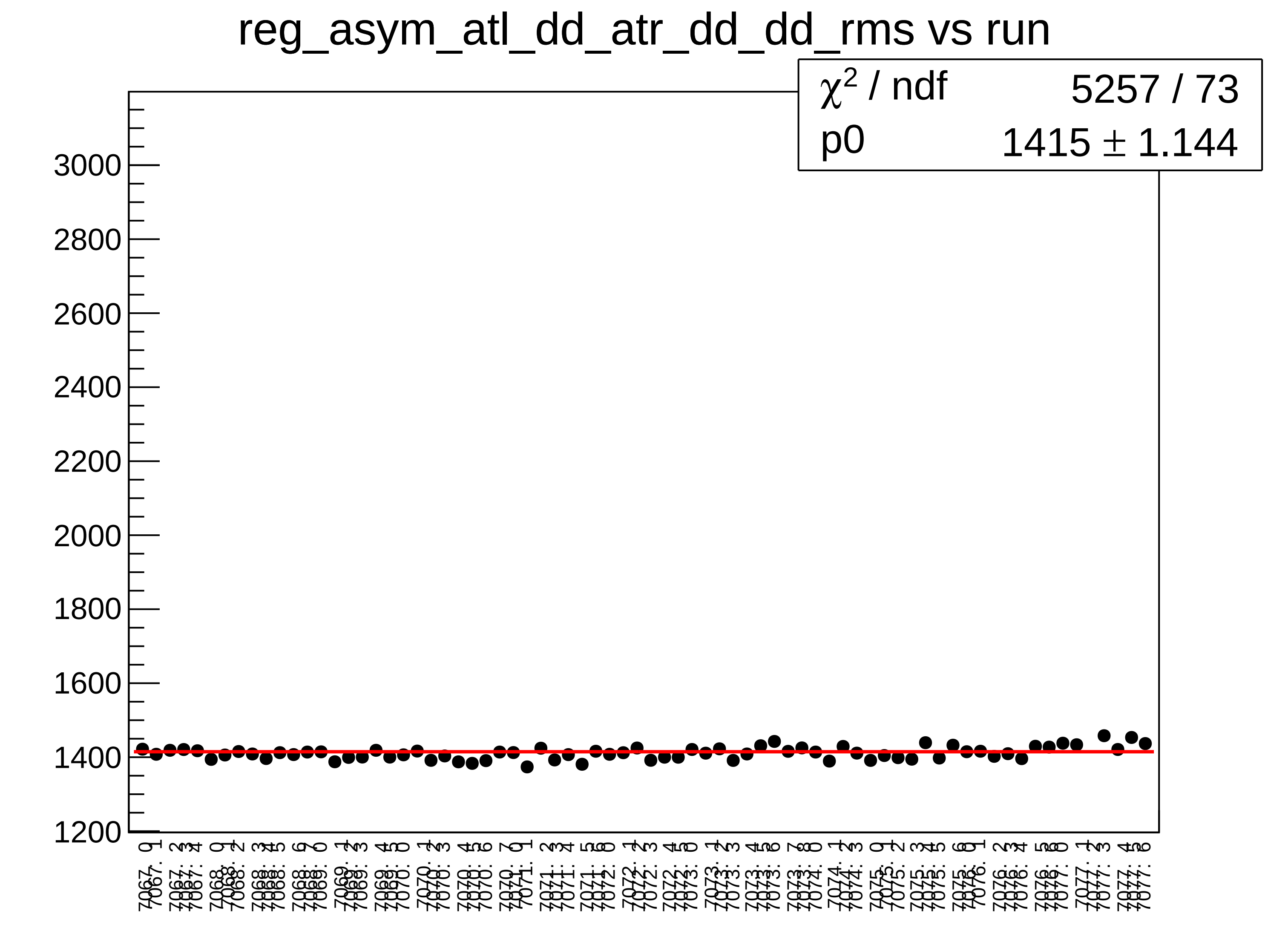


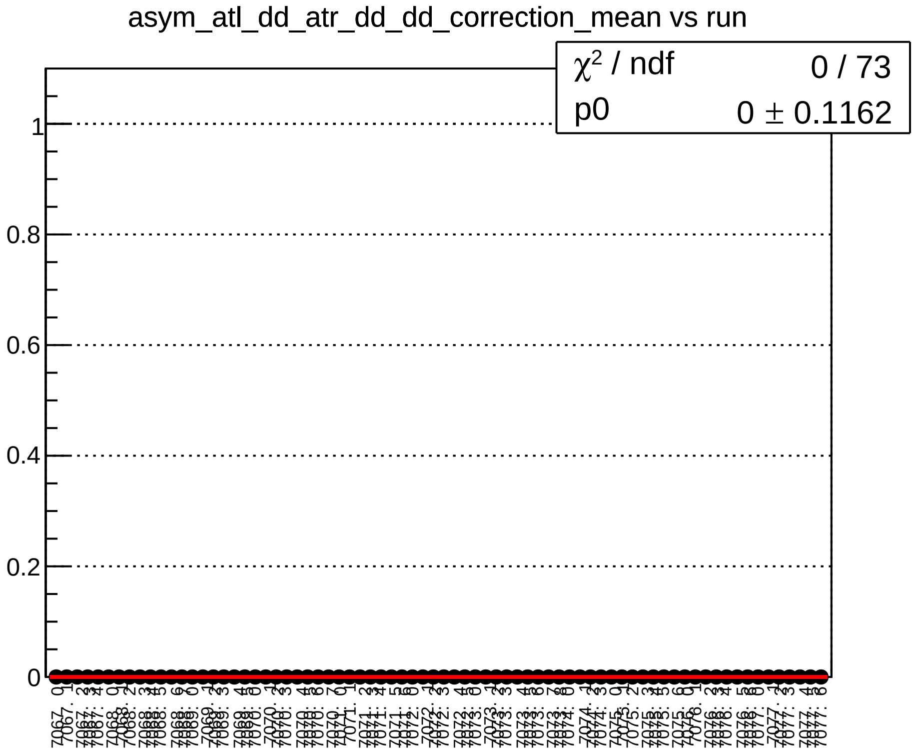
asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 65.76 / 73
p0 7812 ± 6522
pull
Entries 74
Mean 97.28
Std Dev 17.14
pull1D
Entries 74
Mean 0.02469
Std Dev 0.9424

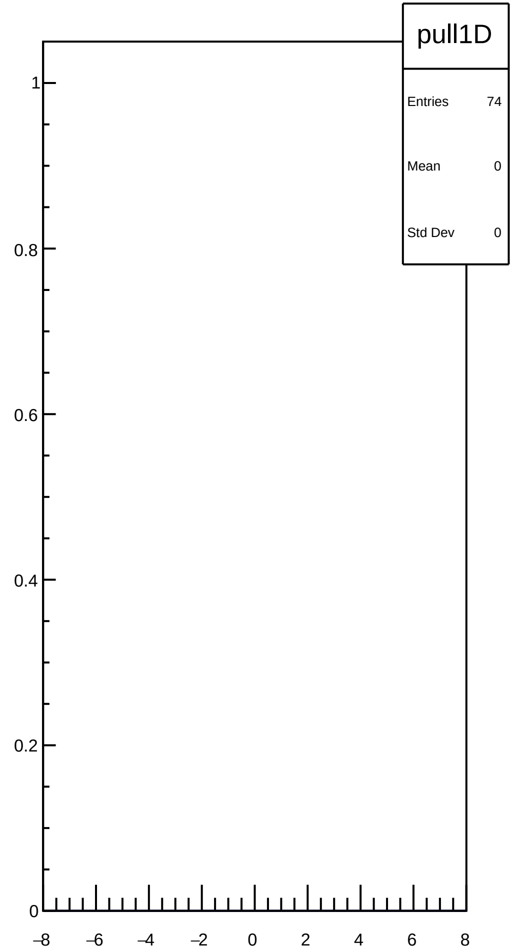


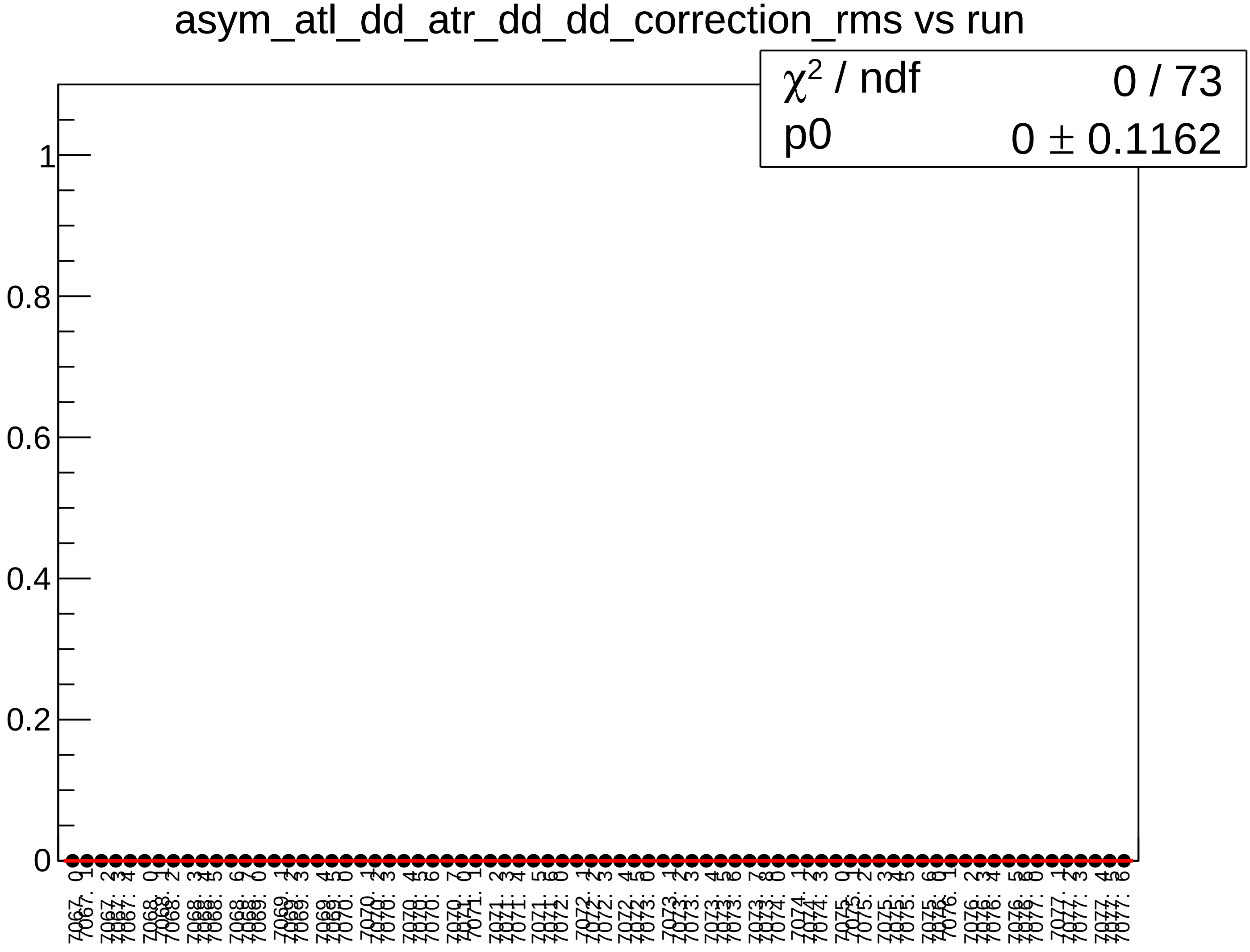
asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 1.024e+04 / 73
p0 5694 ± 4.611
7000
6500
6000
5500
5000


reg_asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 70.55 / 73
p0 −151 ± 1618
pull
Entries 74
Mean −62.77
Std Dev 134.7
pull1D
Entries 74
Mean −0.01341
Std Dev 0.9763

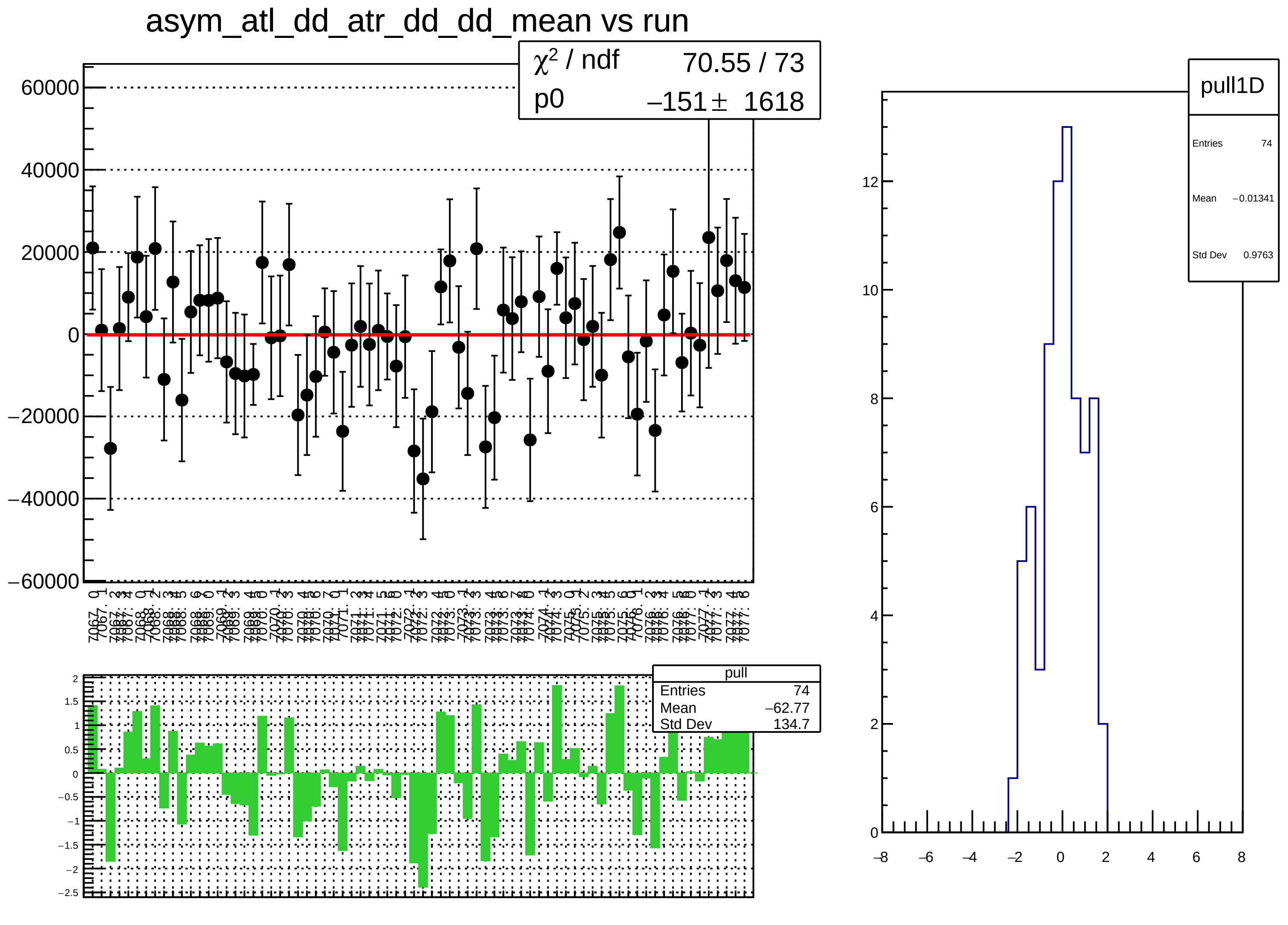

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 5257 / 73
p0 1415 ± 1.144
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

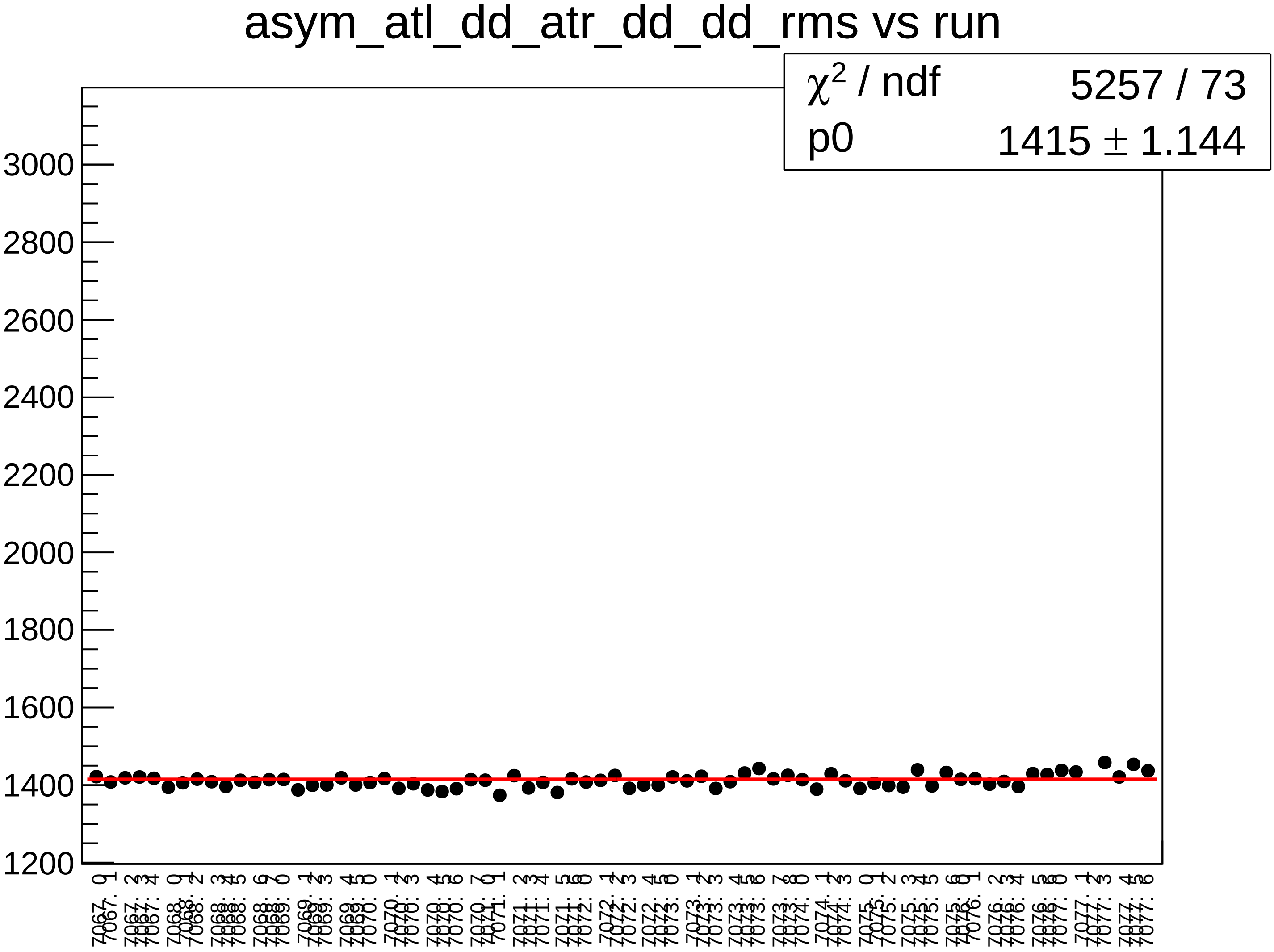

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ2 / ndf 0 / 73
p0 0 ± 0.1162
0
0.2
0.4
0.6
0.8
1


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

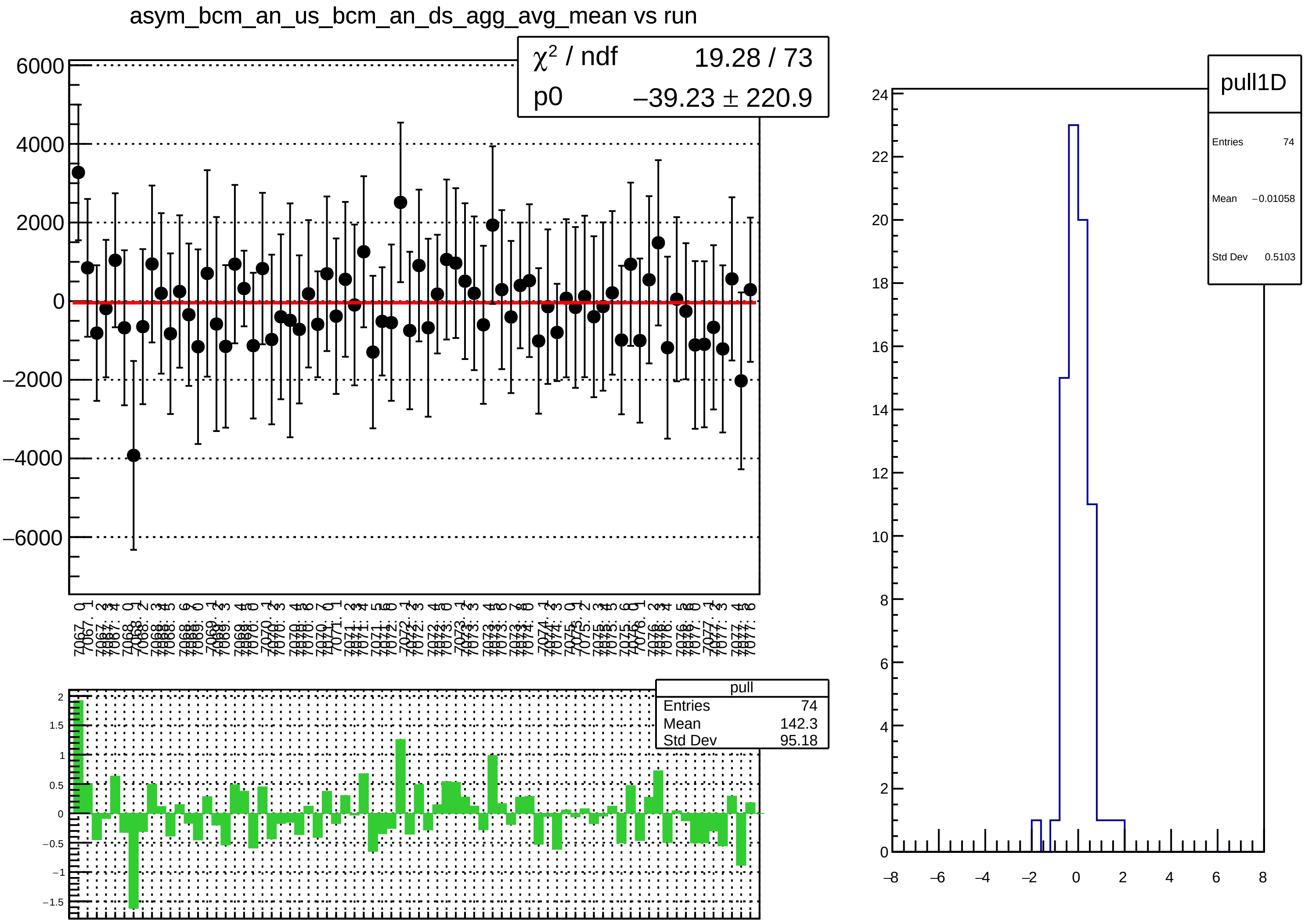


asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 0 / 73
p0 0 ± 0.1162

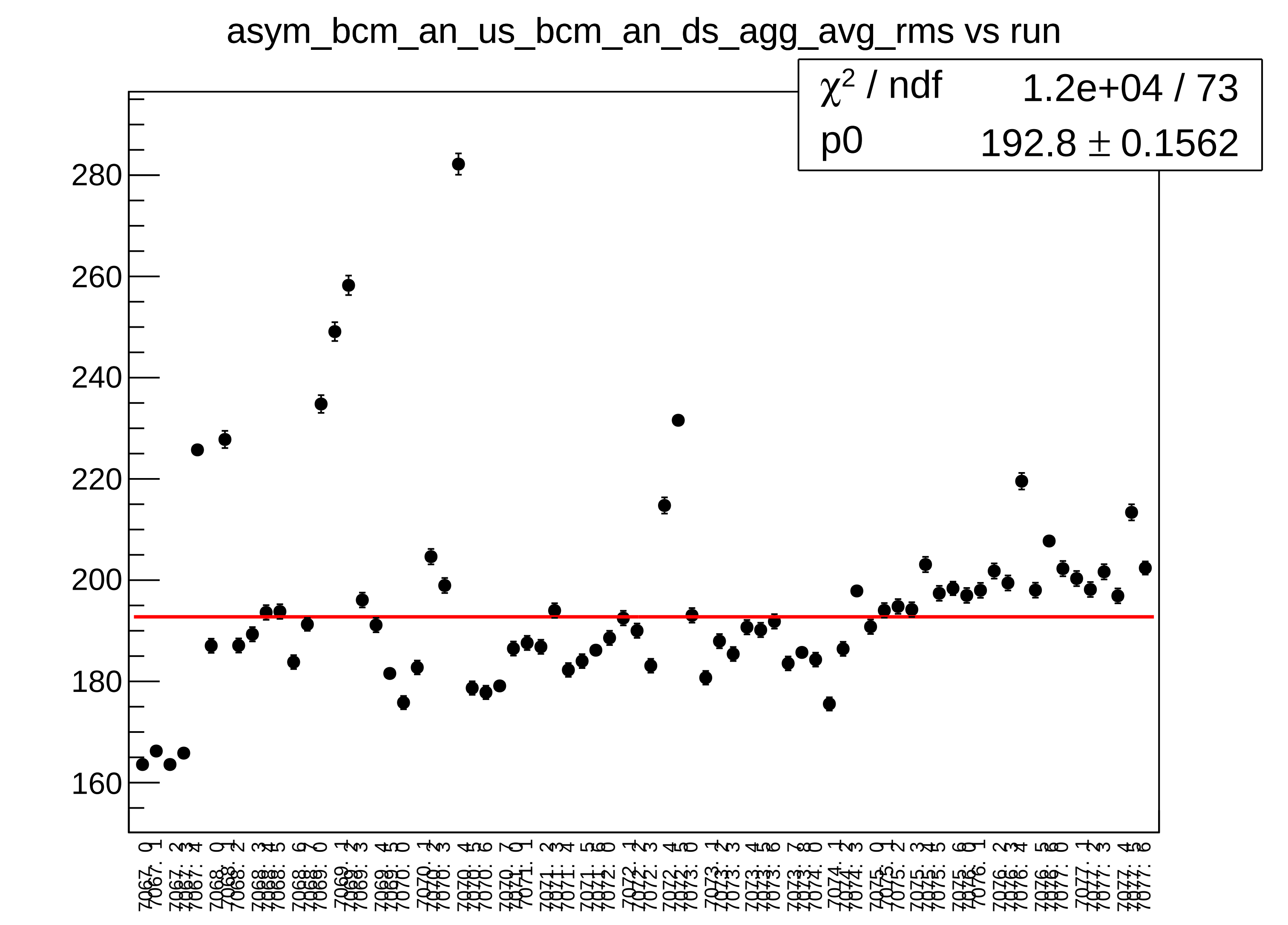

asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 70.55 / 73
p0 −151 ± 1618
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean −62.77
Std Dev 134.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 74
Mean −0.01341
Std Dev 0.9763
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

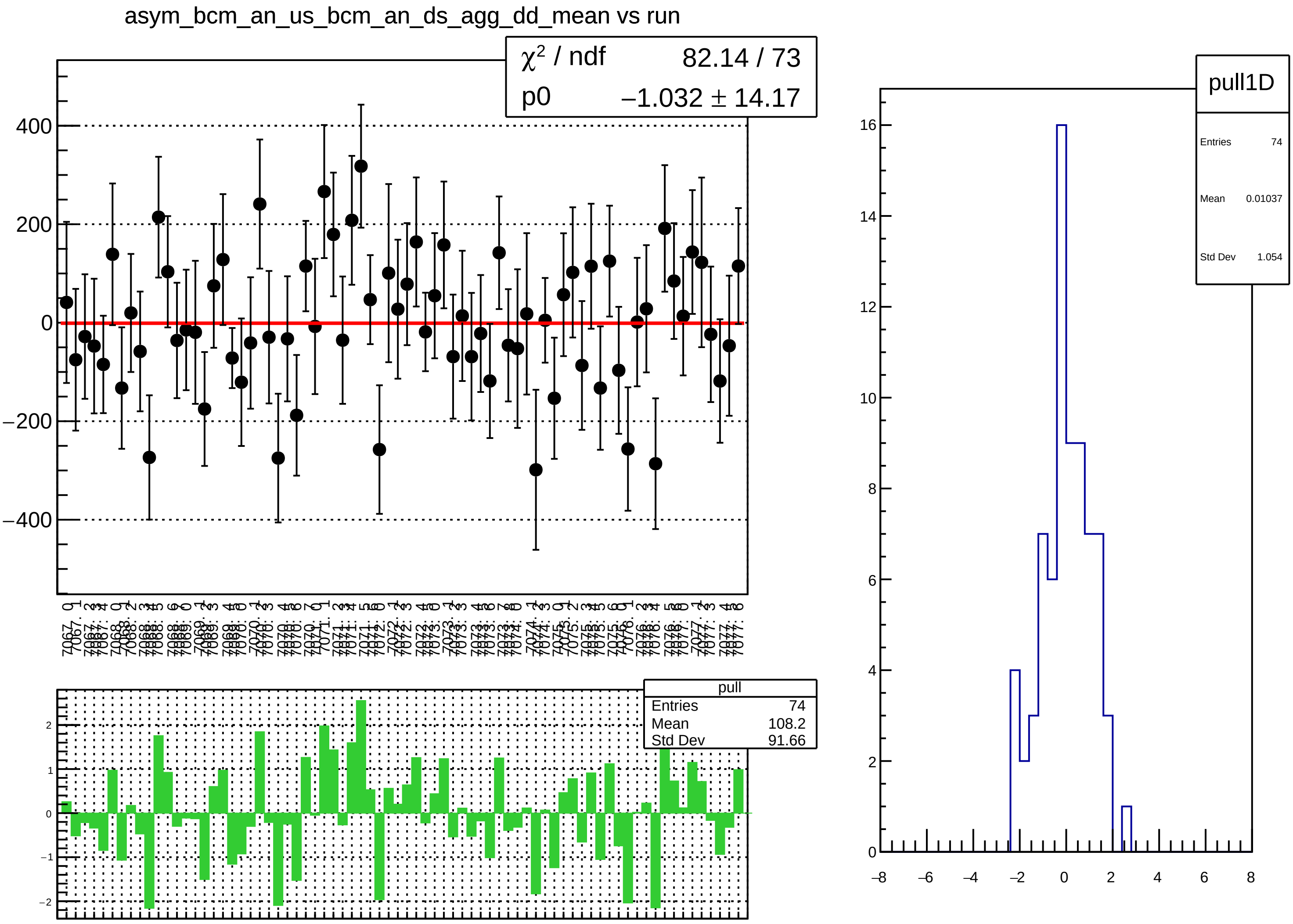


asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 5257 / 73
p0 1415 ± 1.144
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

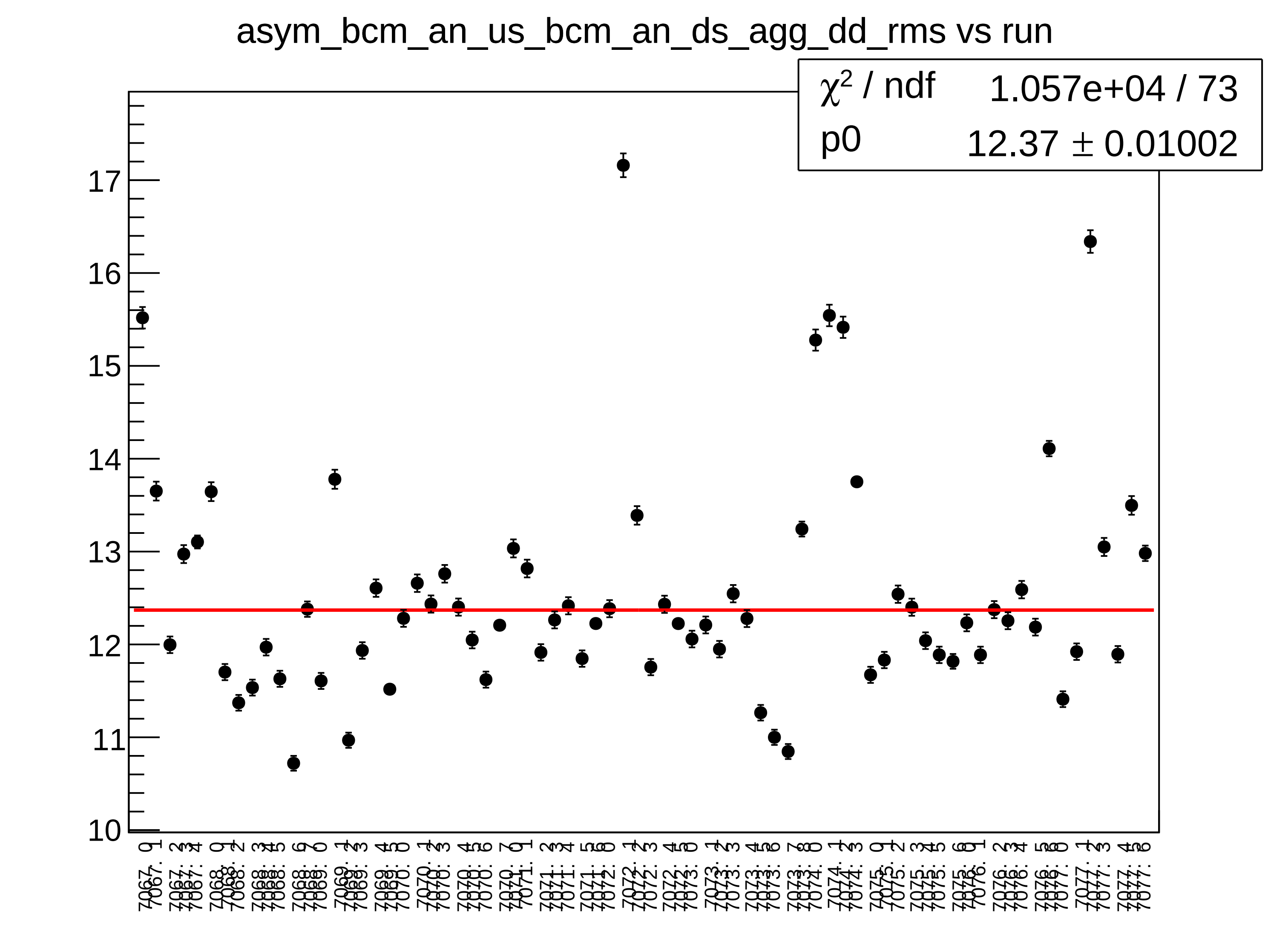


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 19.28 / 73
p0 −39.23 ± 220.9
pull
Entries 74
Mean 142.3
Std Dev 95.18
pull1D
Entries 74
Mean −0.01058
Std Dev 0.5103

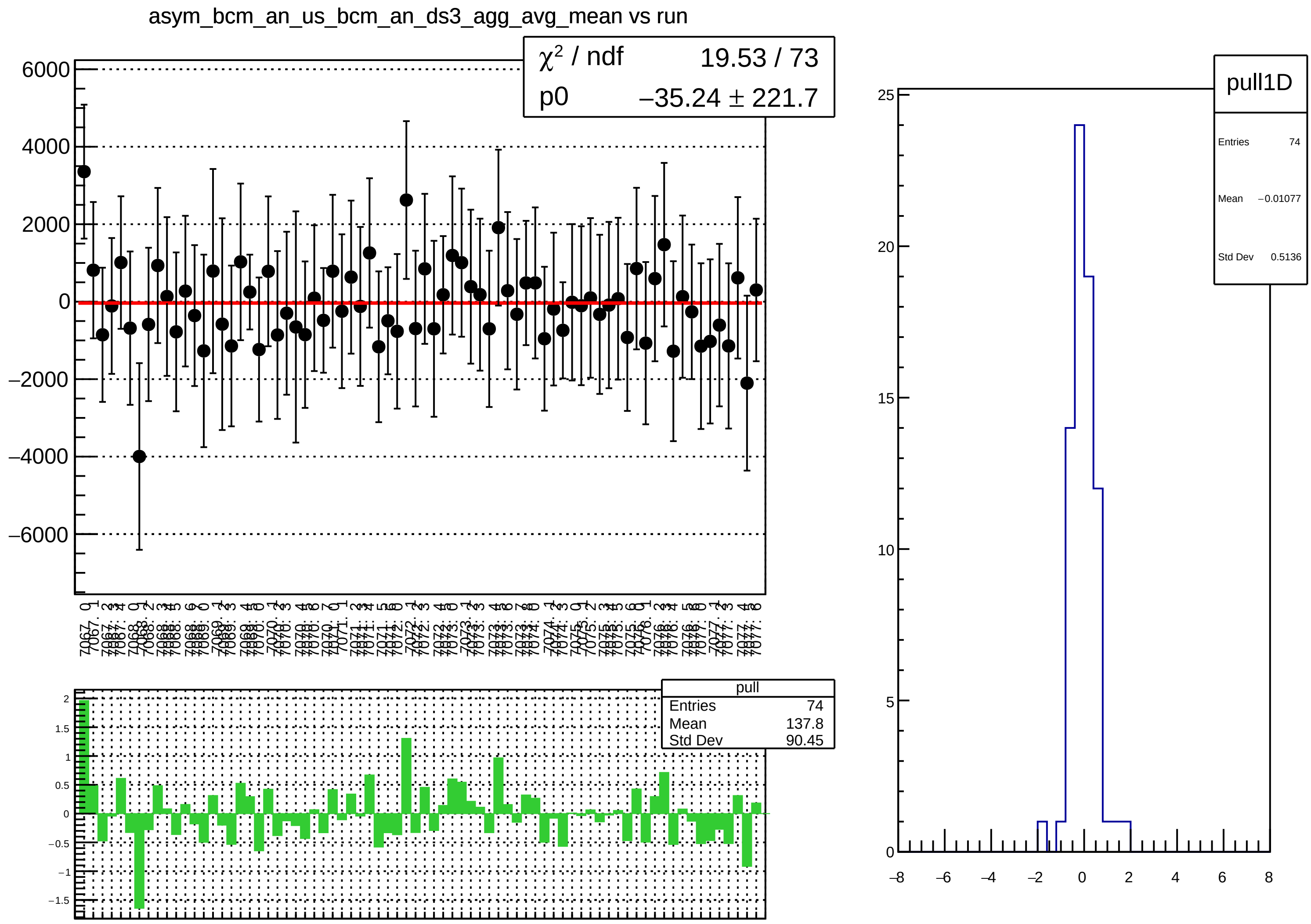

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 1.2e+04 / 73
p0 192.8 ± 0.1562



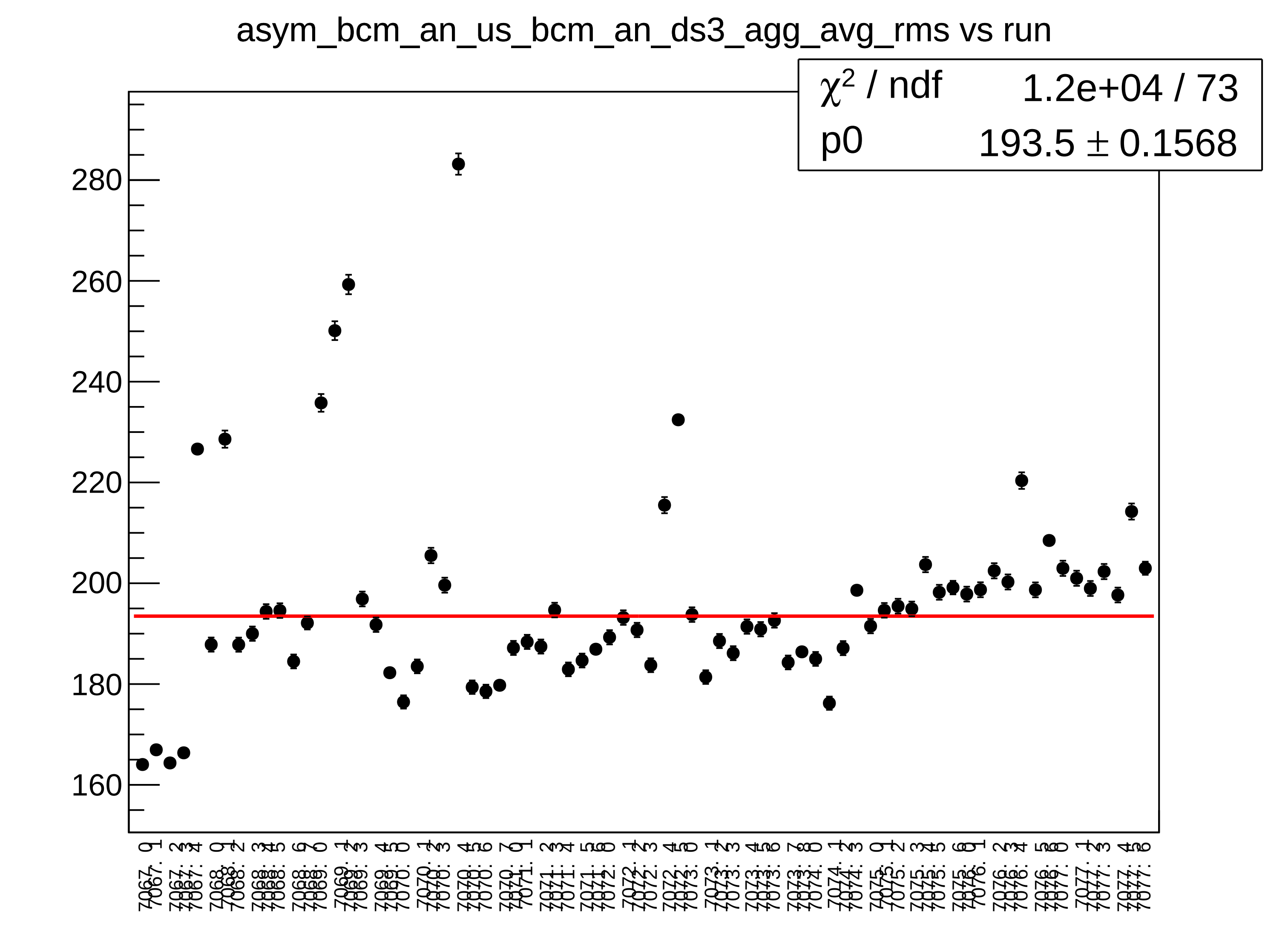
asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 82.14 / 73
p0 −1.032 ± 14.17
400
200
0
−200
−400
pull
Entries 74
Mean 108.2
Std Dev 91.66
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.01037
Std Dev 1.054
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



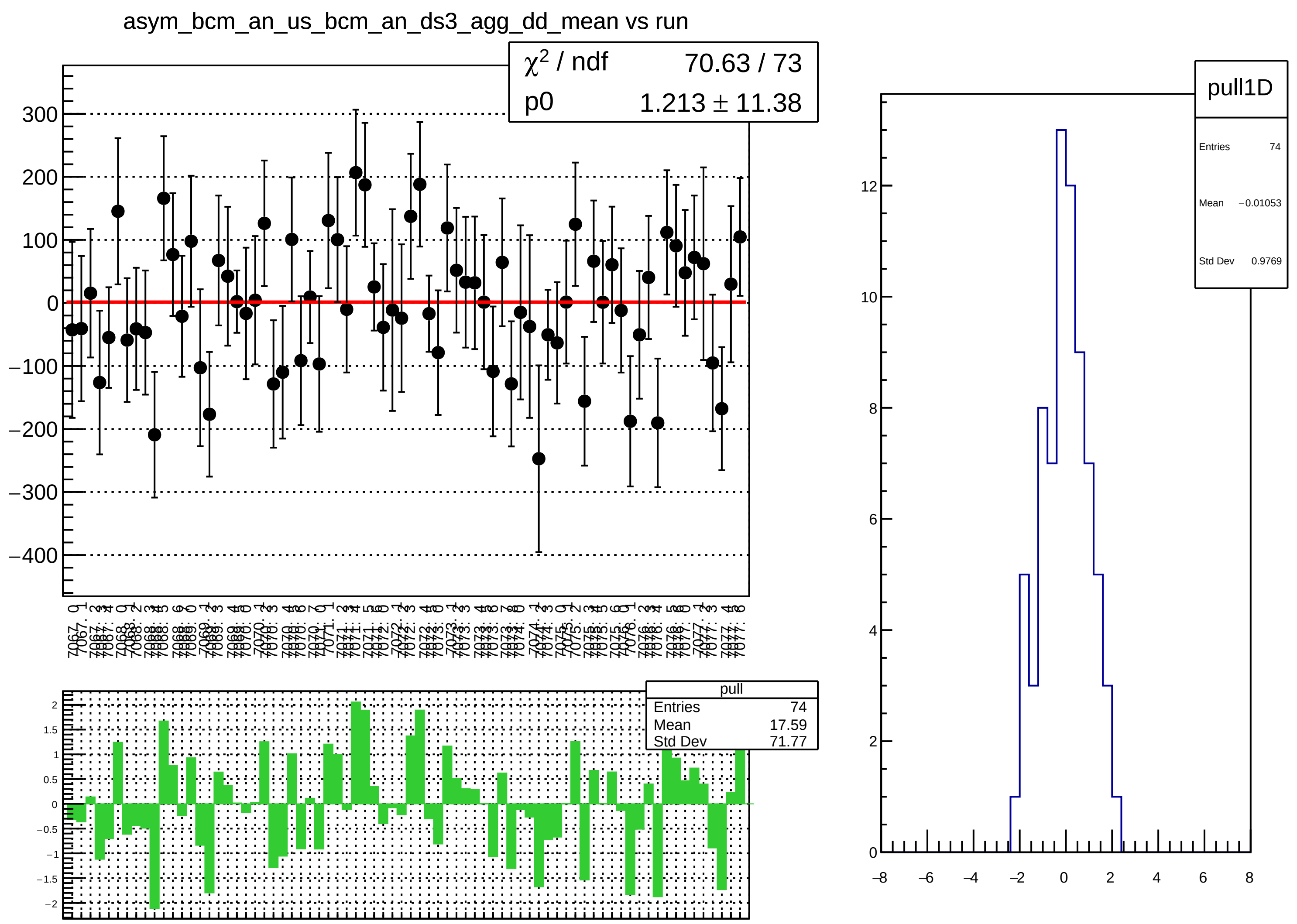
asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 1.057e+04 / 73
p0 12.37 ± 0.01002



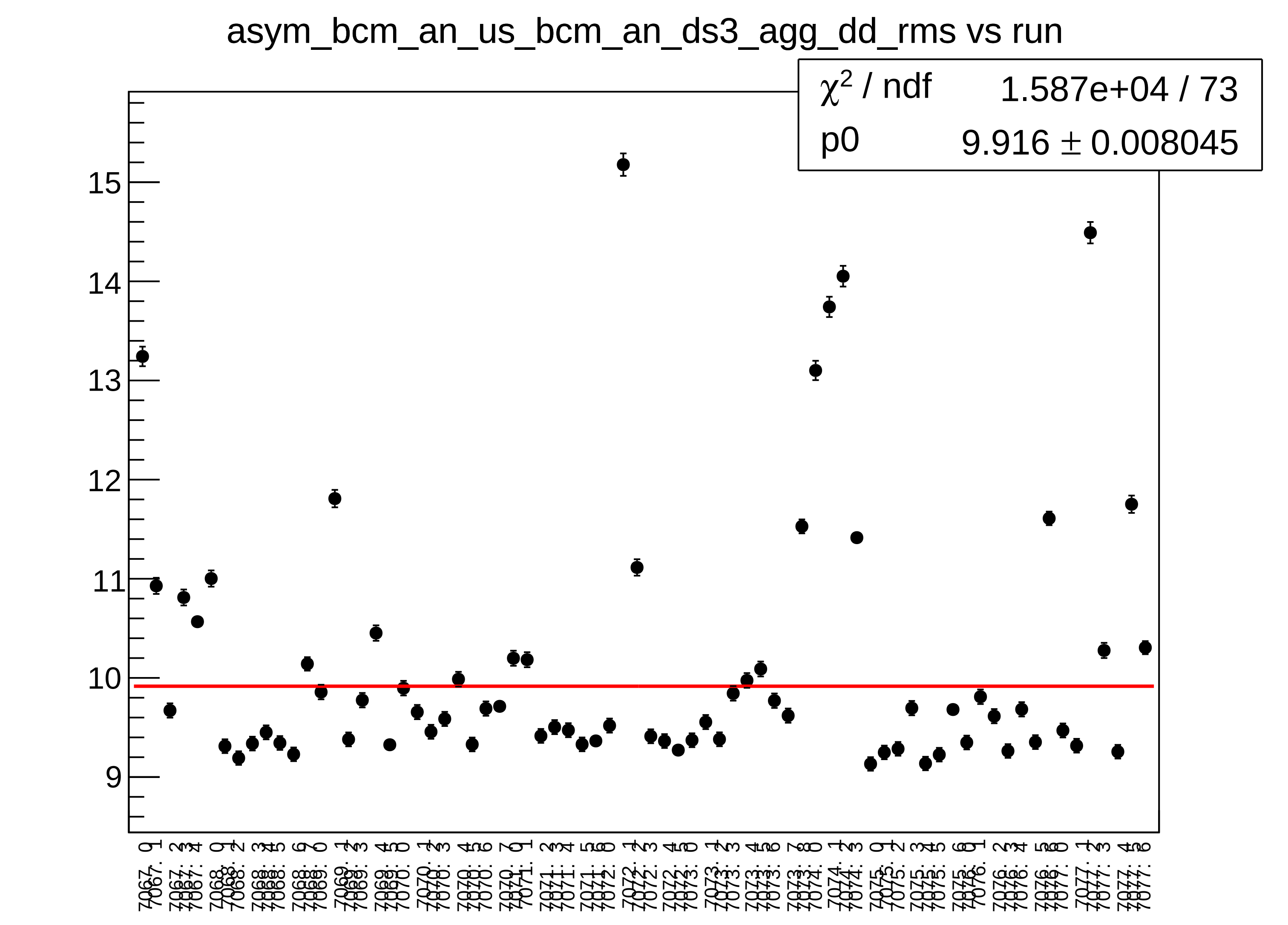
asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ2 / ndf 19.53 / 73
p0 −35.24 ± 221.7
pull
Entries 74
Mean 137.8
Std Dev 90.45
pull1D
Entries 74
Mean −0.01077
Std Dev 0.5136



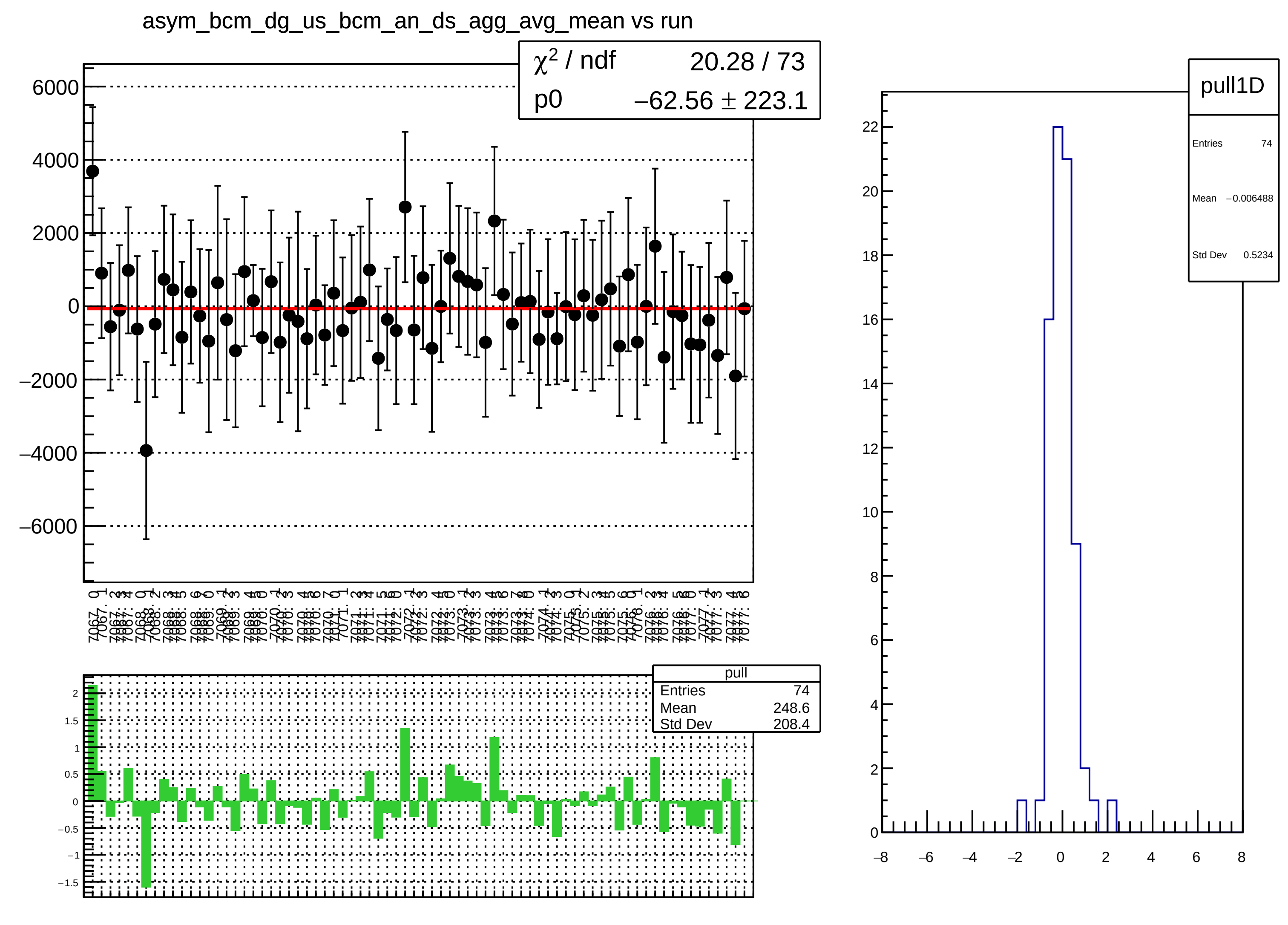
asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 1.2e+04 / 73
p0 193.5 ± 0.1568
280
260
240
220
200
180
160



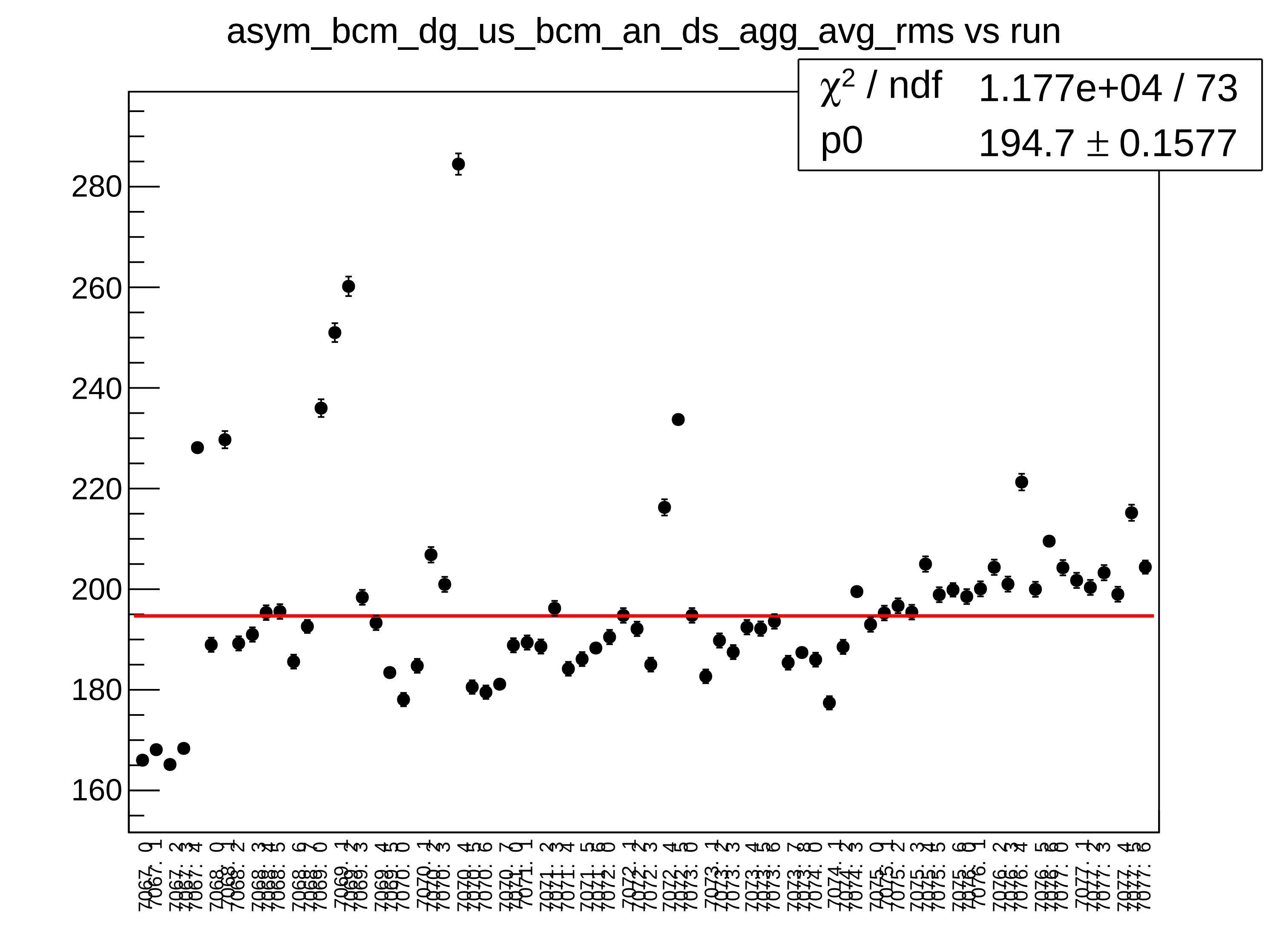
asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ^2 / ndf 70.63 / 73
p0 1.213 ± 11.38
pull
Entries 74
Mean 17.59
Std Dev 71.77
pull1D
Entries 74
Mean −0.01053
Std Dev 0.9769



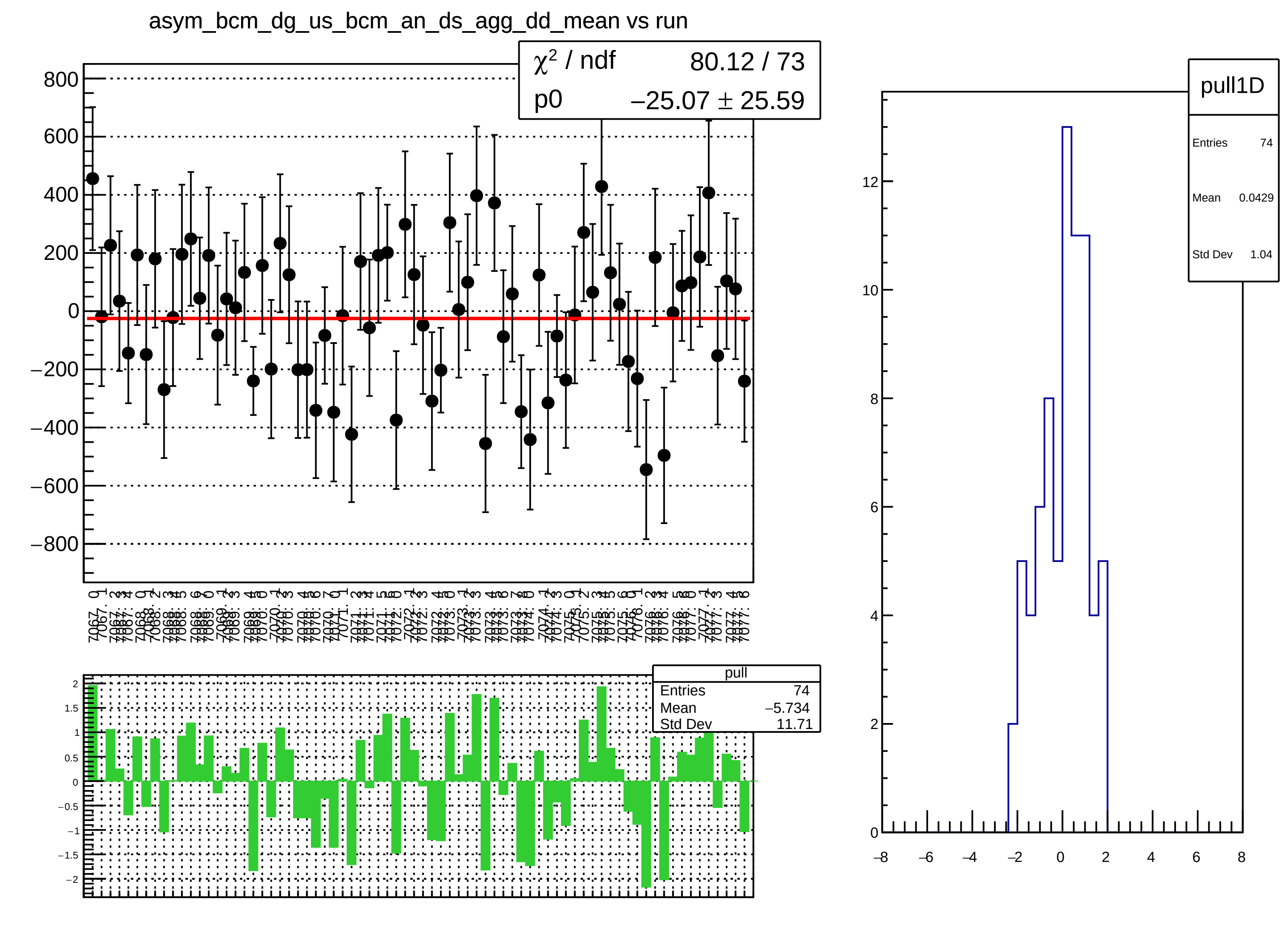
asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ2 / ndf 1.587e+04 / 73
p0 9.916 ± 0.008045
15
14
13
12
11
10
9

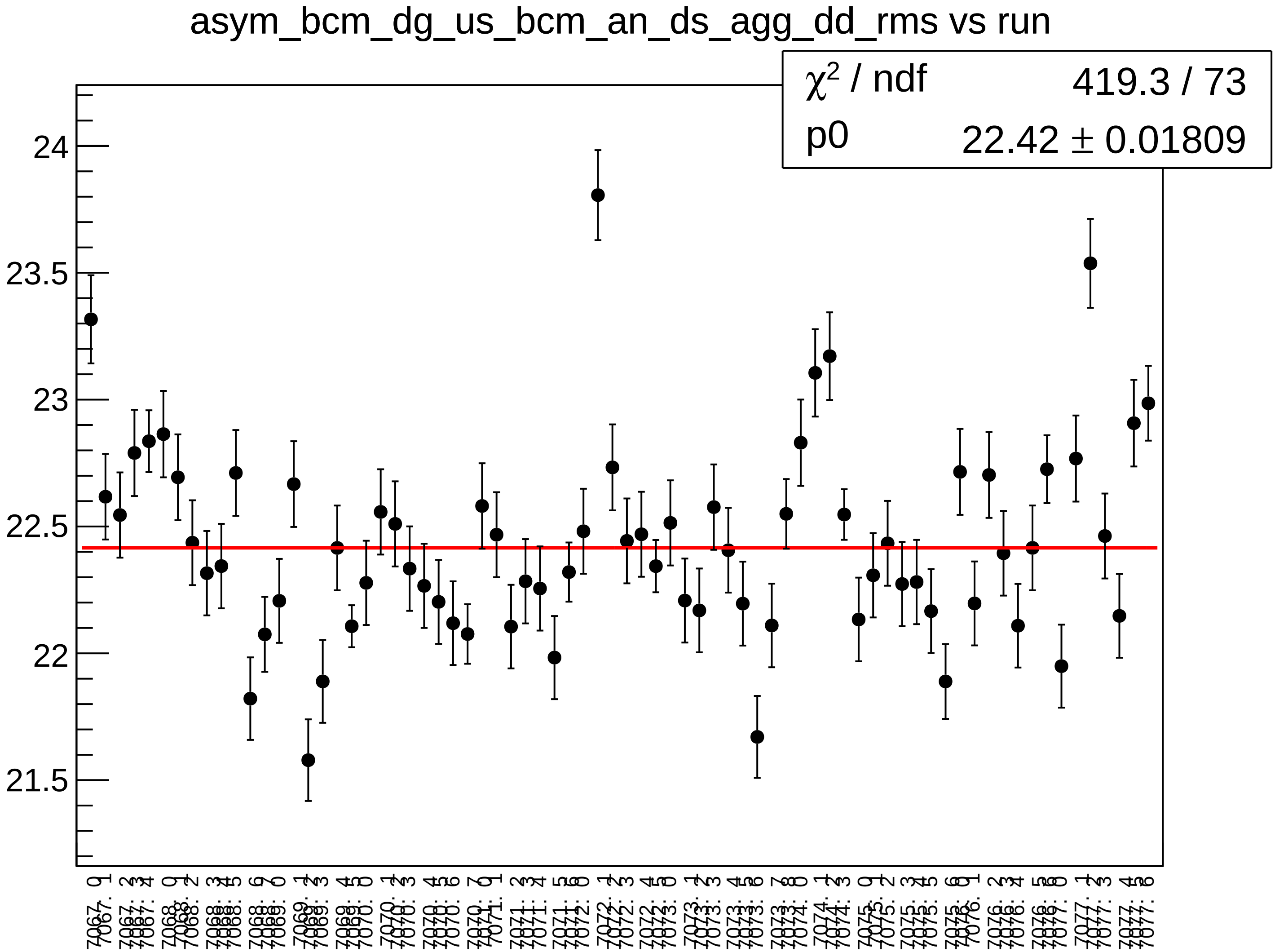


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 20.28 / 73
p0 −62.56 ± 223.1
pull
Entries 74
Mean 248.6
Std Dev 208.4
pull1D
Entries 74
Mean −0.006488
Std Dev 0.5234

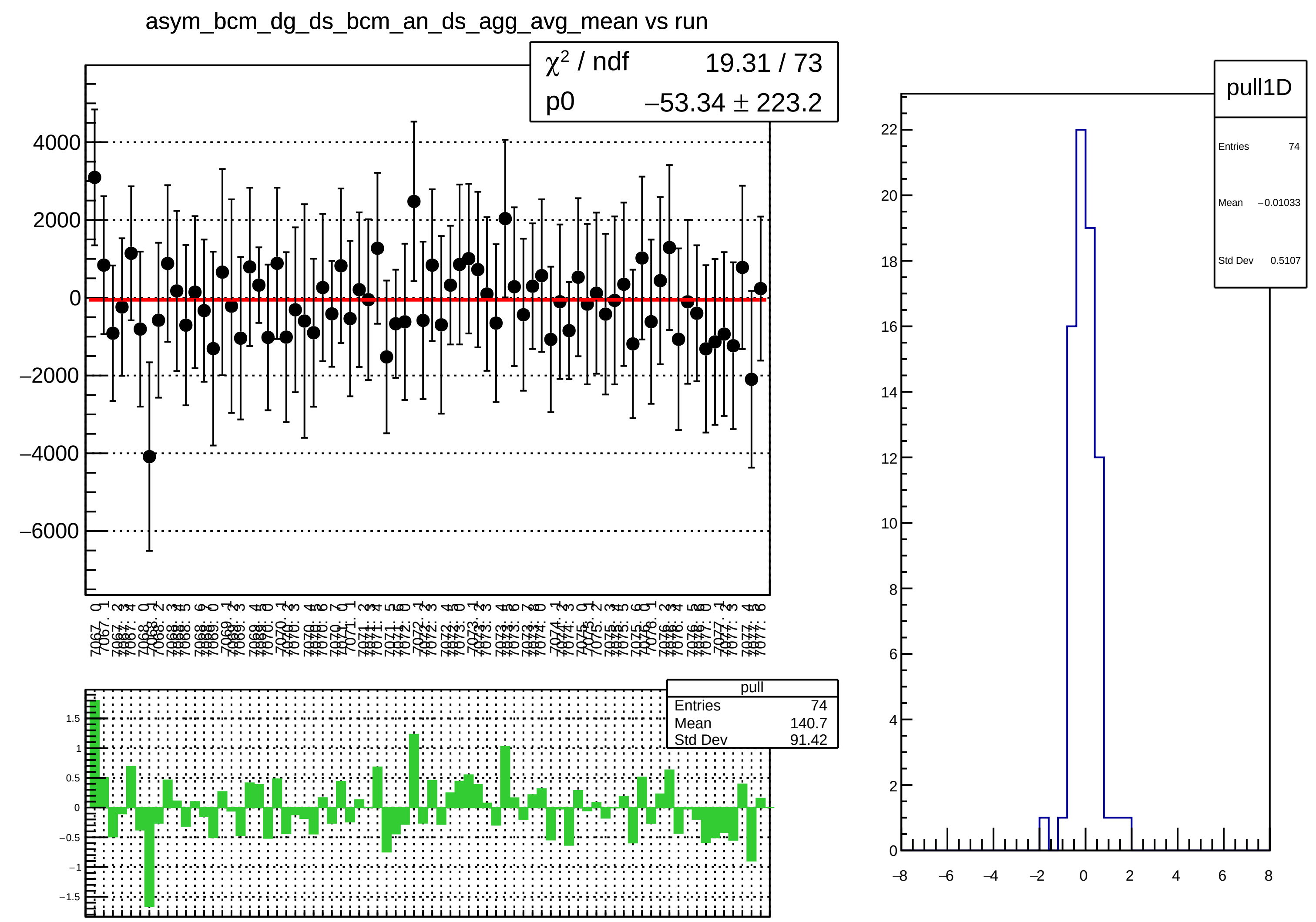


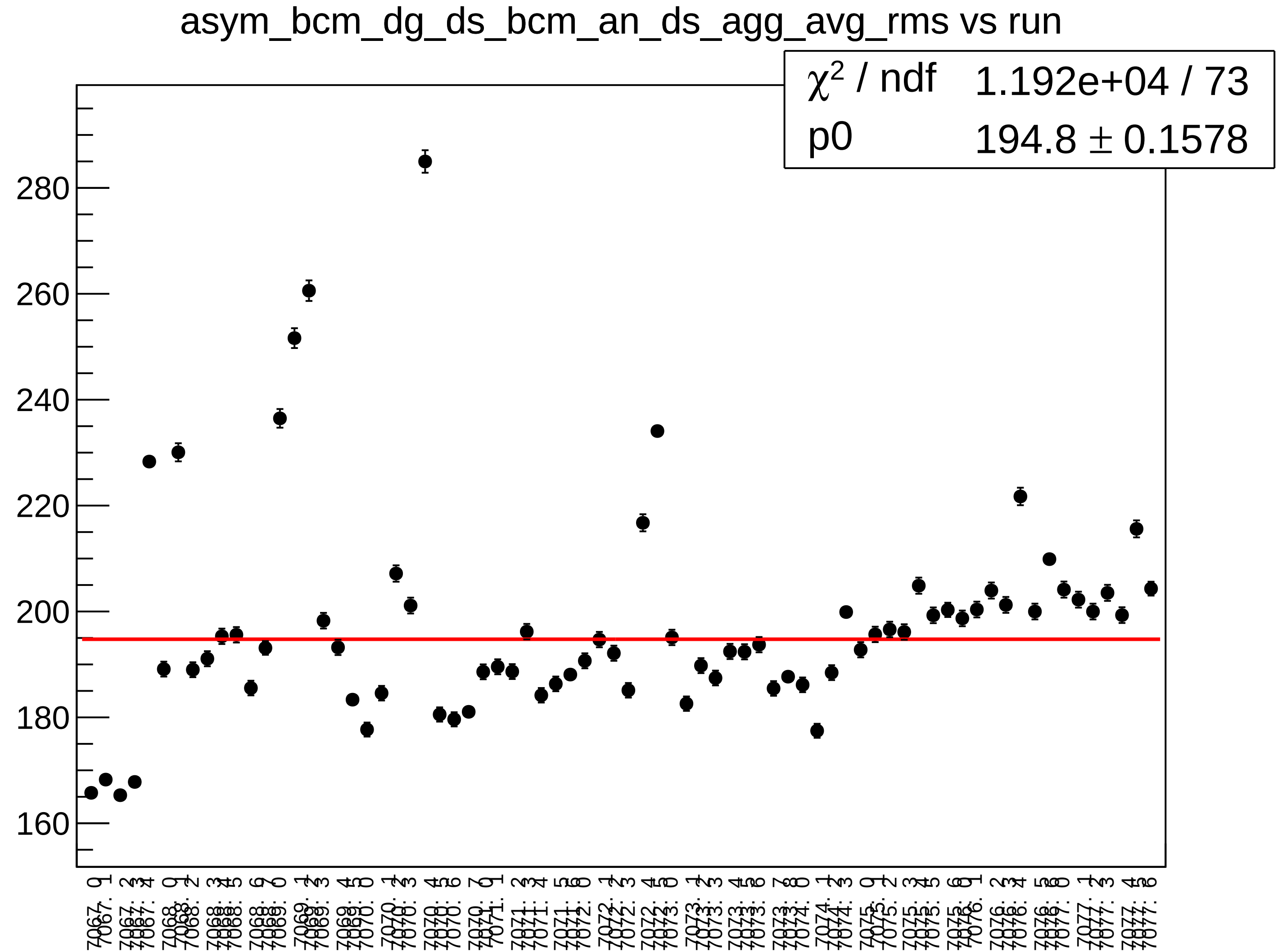
asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 1.177e+04 / 73
p0 194.7 ± 0.1577
280
260
240
220
200
180
160


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ2 / ndf 80.12 / 73
p0 −25.07 ± 25.59
pull
Entries 74
Mean −5.734
Std Dev 11.71
pull1D
Entries 74
Mean 0.0429
Std Dev 1.04

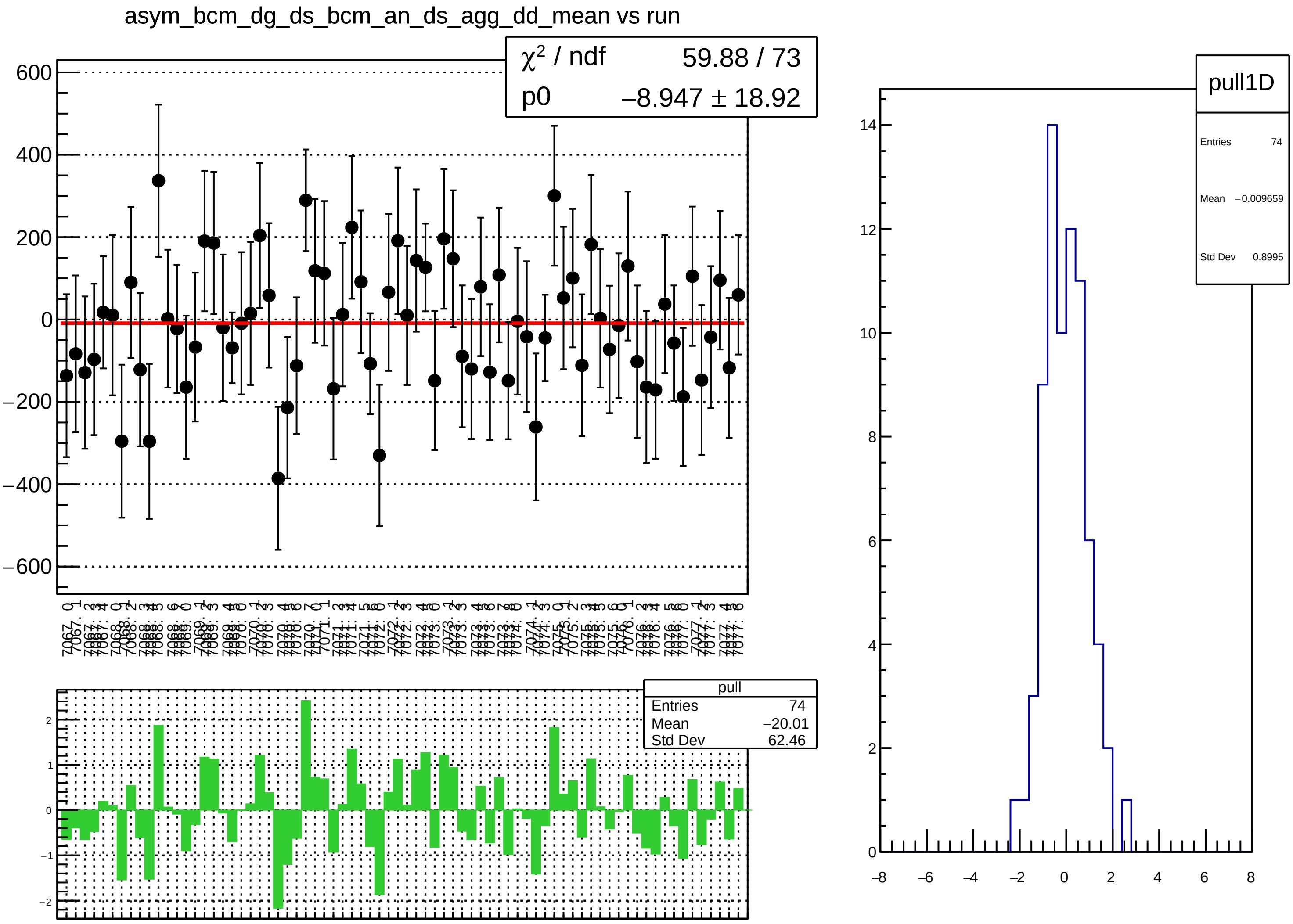


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 419.3 / 73
p0 22.42 ± 0.01809
24
23.5
23
22.5
22
21.5

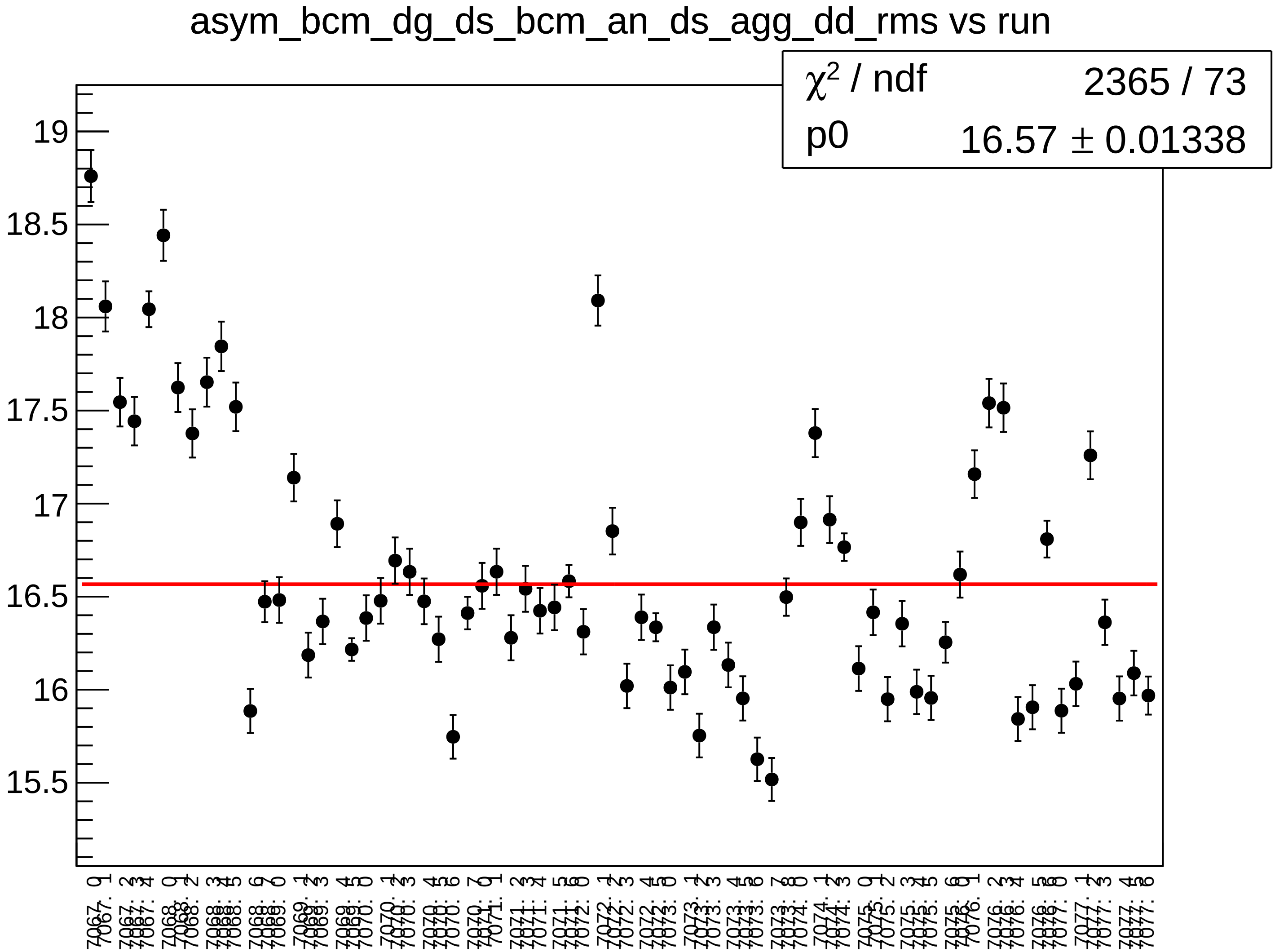

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 19.31 / 73
p0 −53.34 ± 223.2
pull
Entries 74
Mean 140.7
Std Dev 91.42
pull1D
Entries 74
Mean −0.01033
Std Dev 0.5107



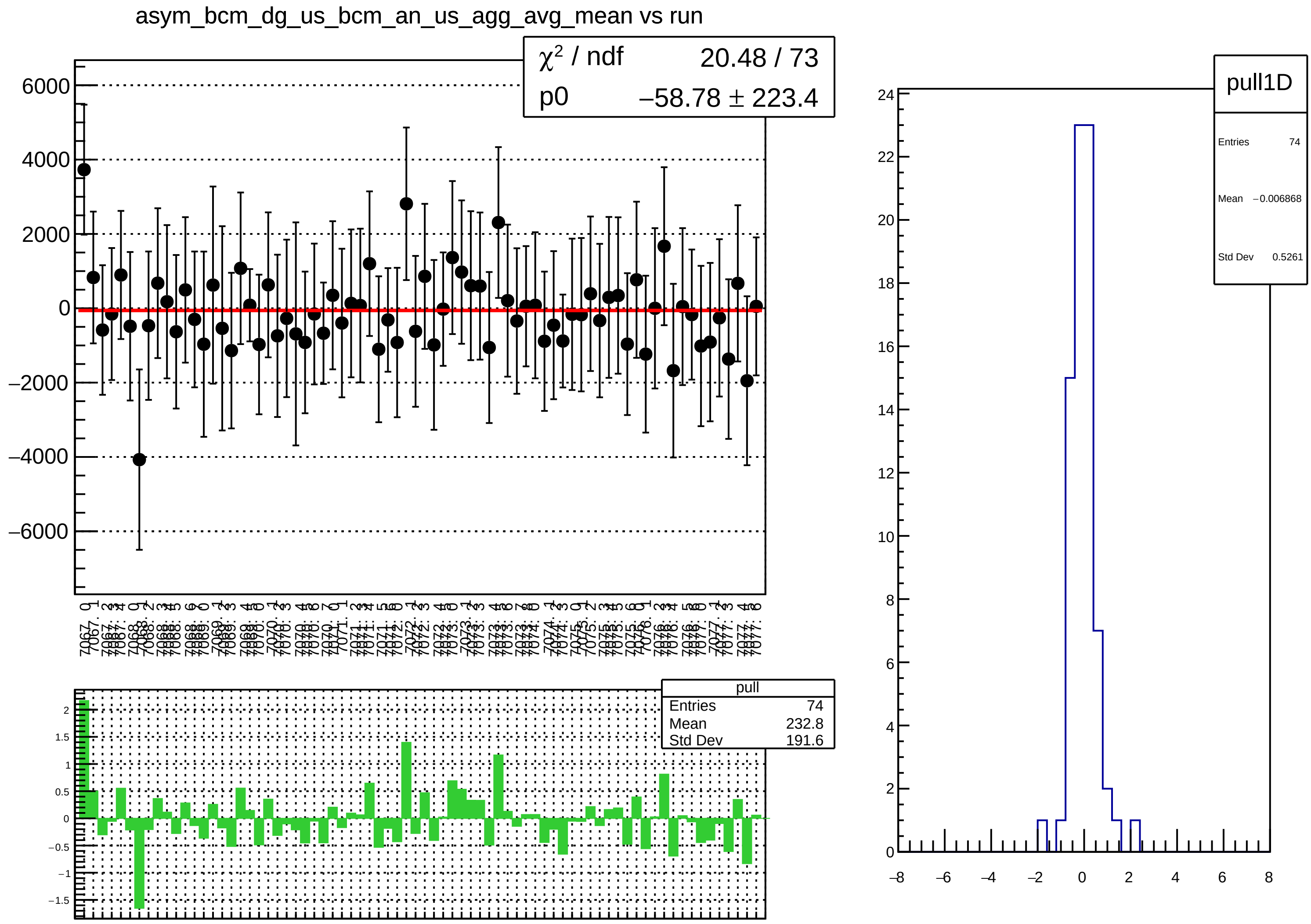
asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 1.192e+04 / 73
p0 194.8 ± 0.1578
280
260
240
220
200
180
160

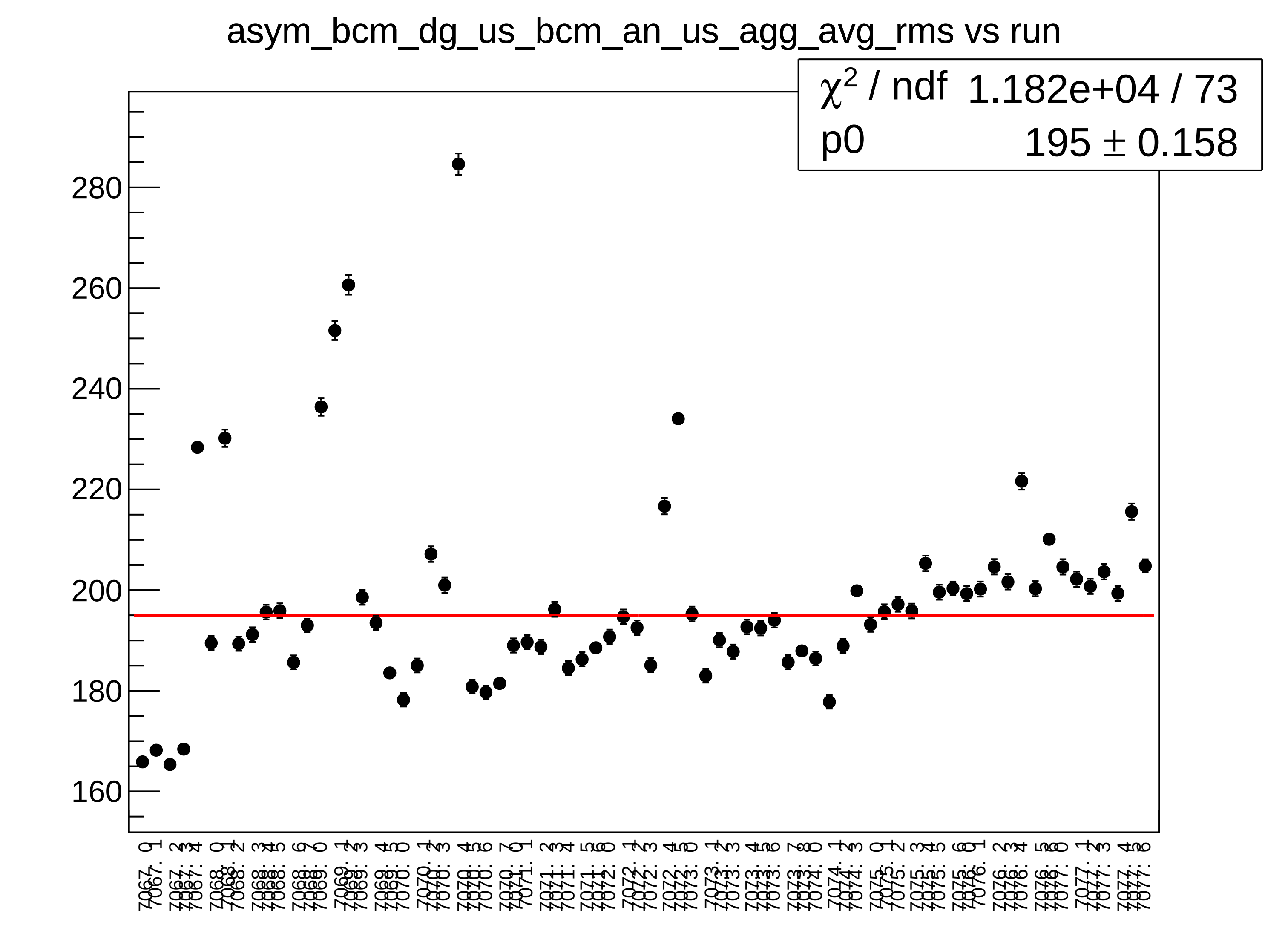


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 59.88 / 73
p0 −8.947 ± 18.92
600
400
200
0
−200
−400
−600
pull
Entries 74
Mean −20.01
Std Dev 62.46
pull1D
Entries 74
Mean −0.009659
Std Dev 0.8995

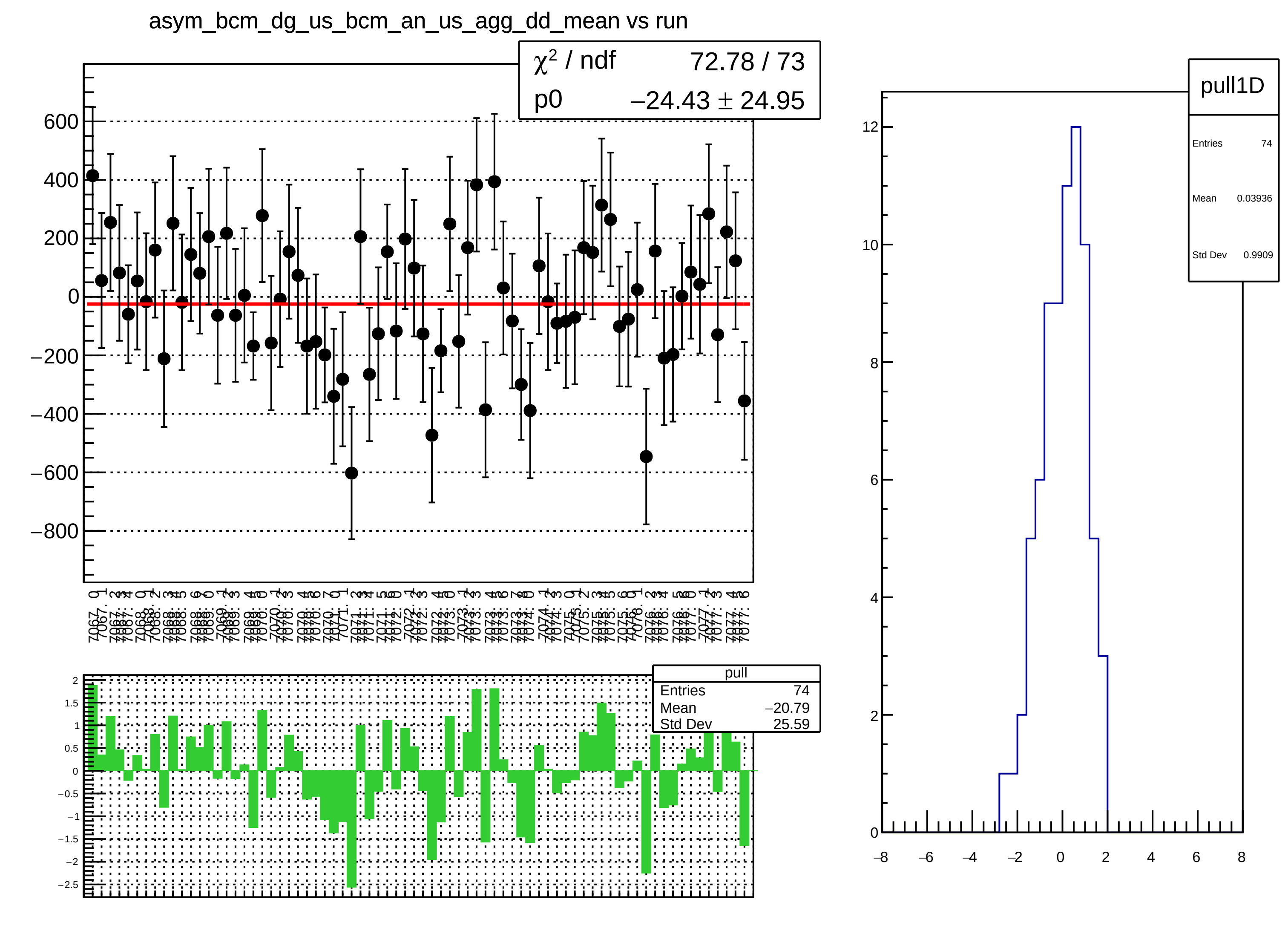


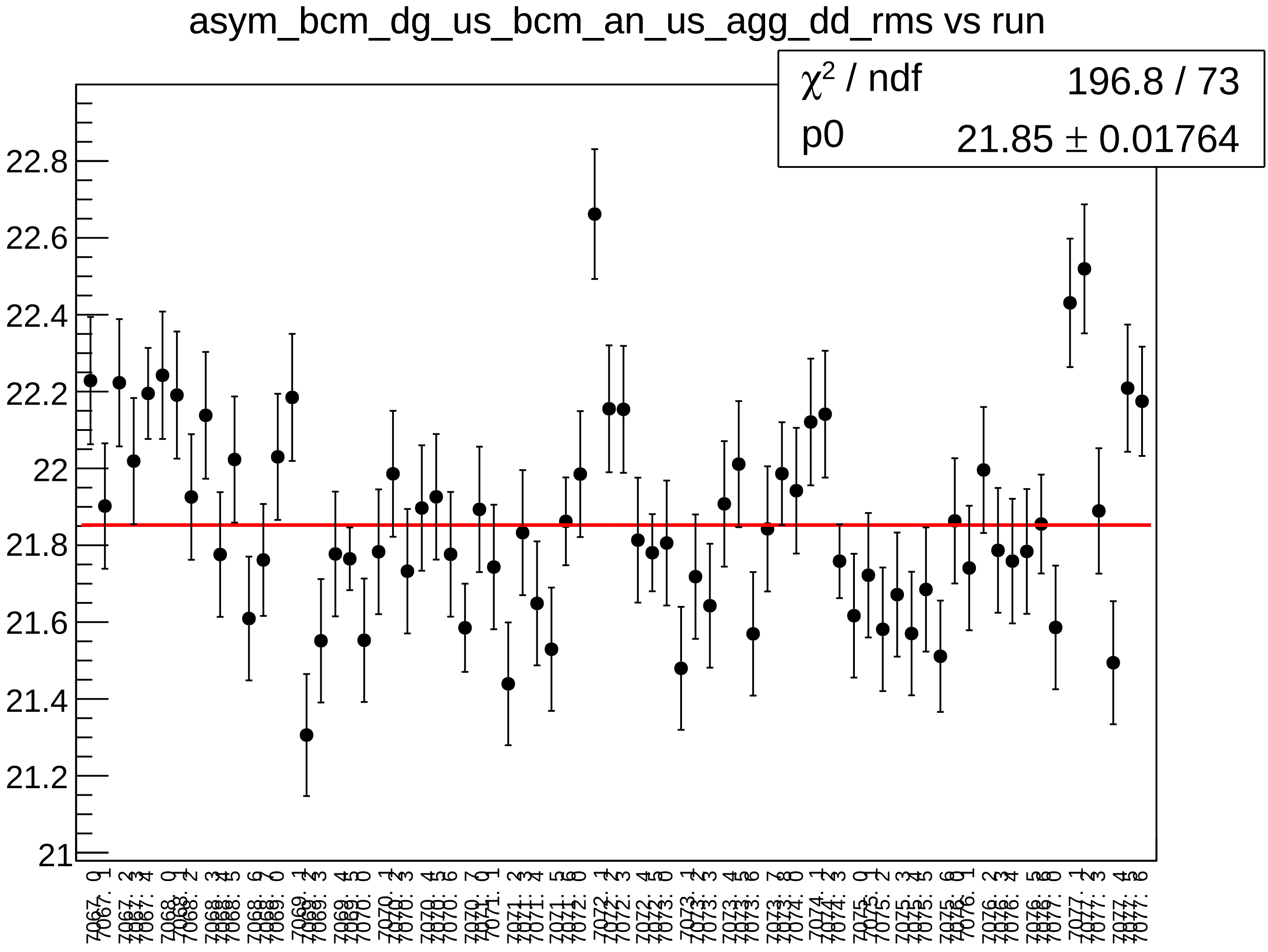
asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 2365 / 73
p0 16.57 ± 0.01338
19
18.5
18
17.5
17
16.5
16
15.5


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ2 / ndf 20.48 / 73
p0 −58.78 ± 223.4
pull
Entries 74
Mean 232.8
Std Dev 191.6
pull1D
Entries 74
Mean −0.006868
Std Dev 0.5261

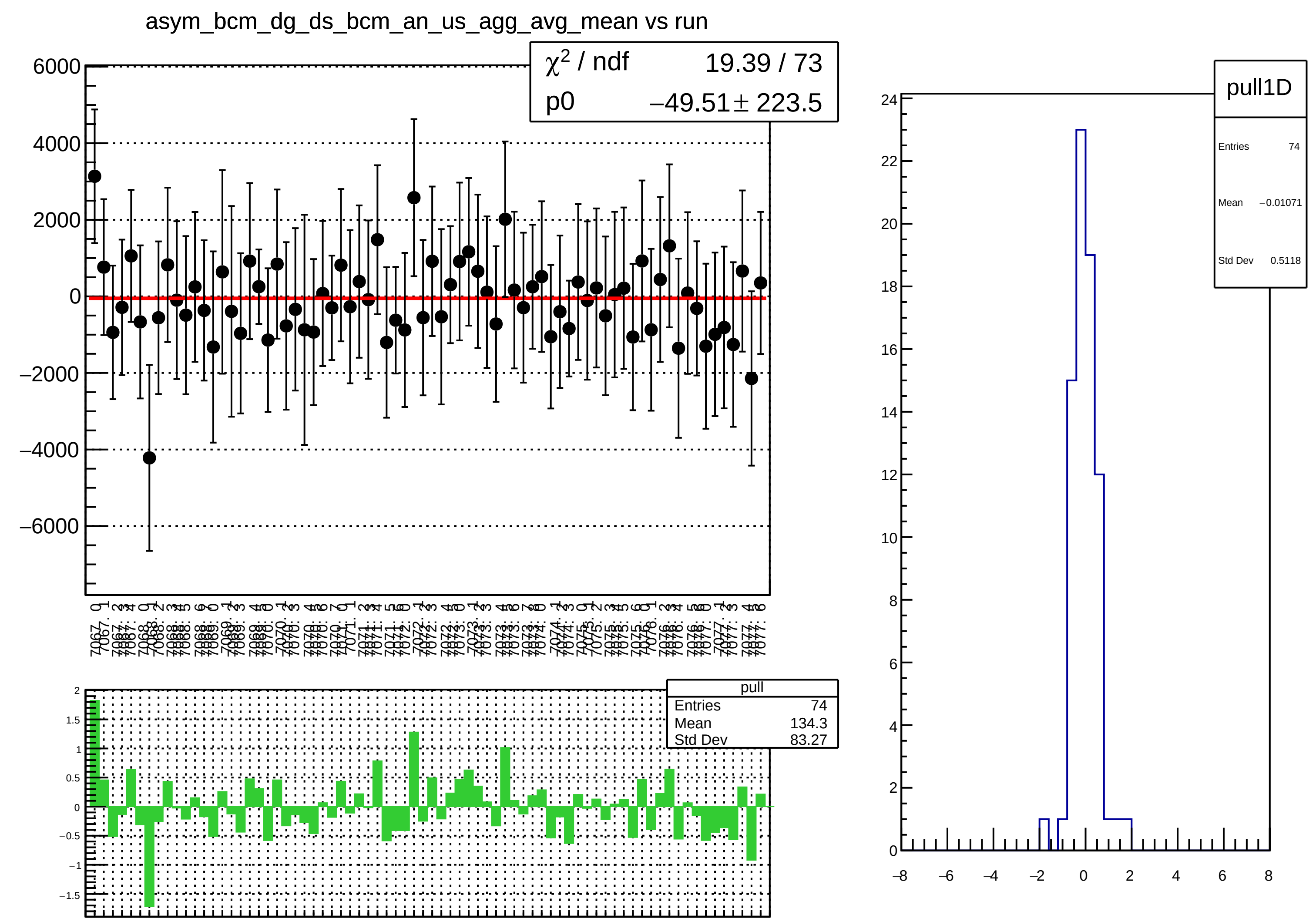


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 1.182e+04 / 73
p0 195 ± 0.158
280
260
240
220
200
180
160

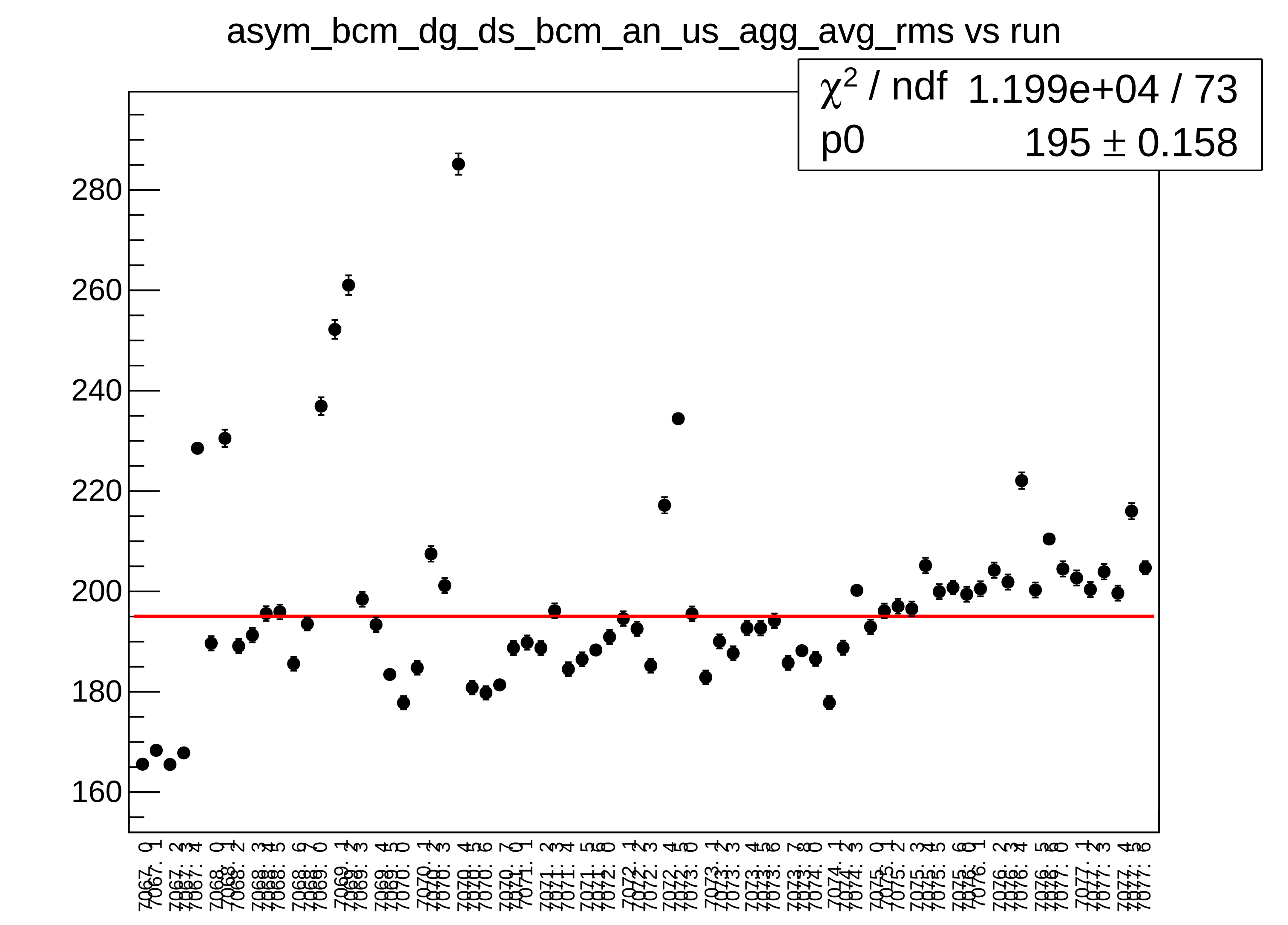

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ2 / ndf 72.78 / 73
p0 −24.43 ± 24.95
pull
Entries 74
Mean −20.79
Std Dev 25.59
pull1D
Entries 74
Mean 0.03936
Std Dev 0.9909



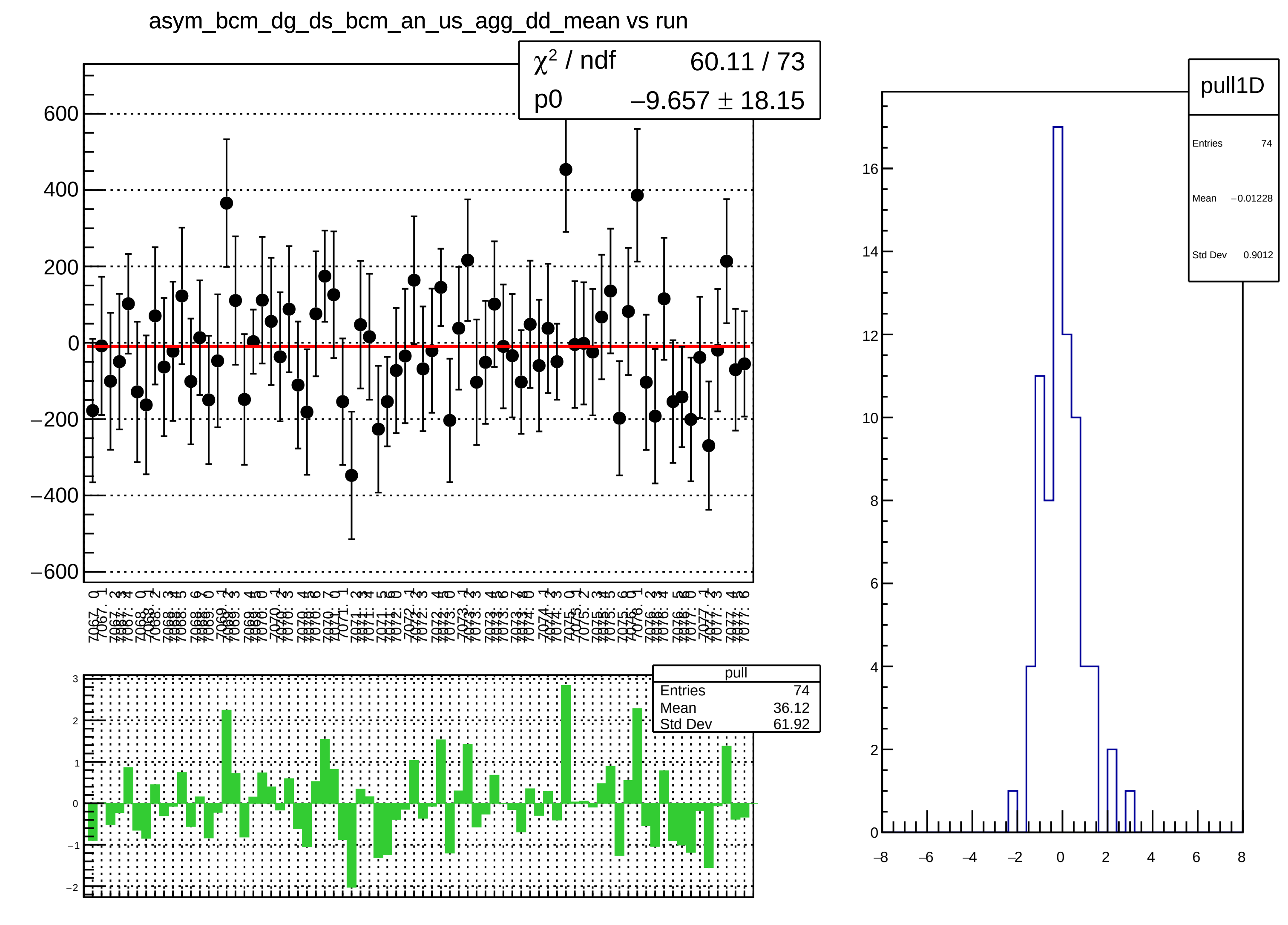
asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 196.8 / 73
p0 21.85 ± 0.01764
22.8
22.6
22.4
22.2
22
21.8
21.6
21.4
21.2
21



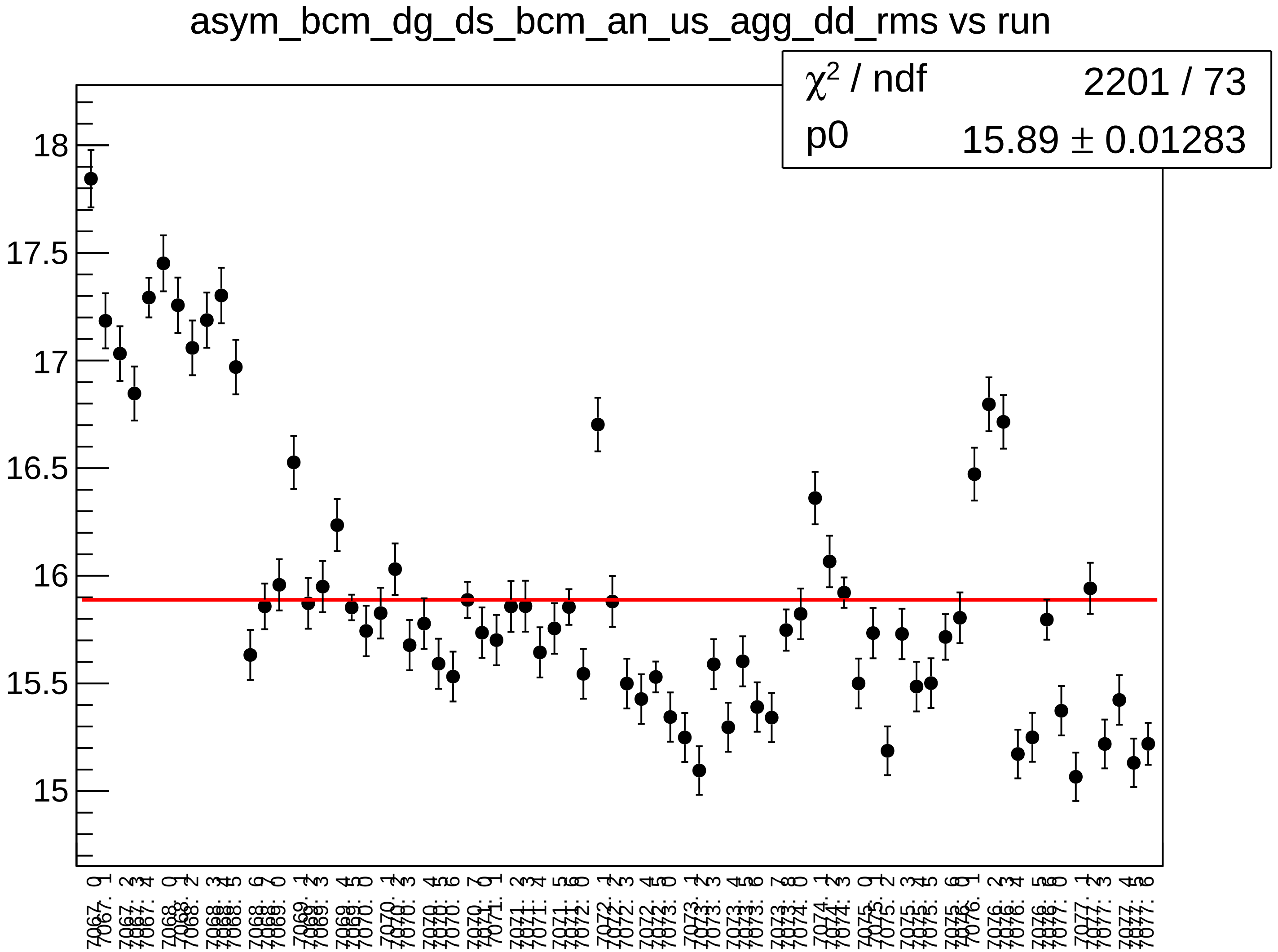
asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 19.39 / 73
p0 −49.51 ± 223.5
pull
Entries 74
Mean 134.3
Std Dev 83.27
pull1D
Entries 74
Mean −0.01071
Std Dev 0.5118



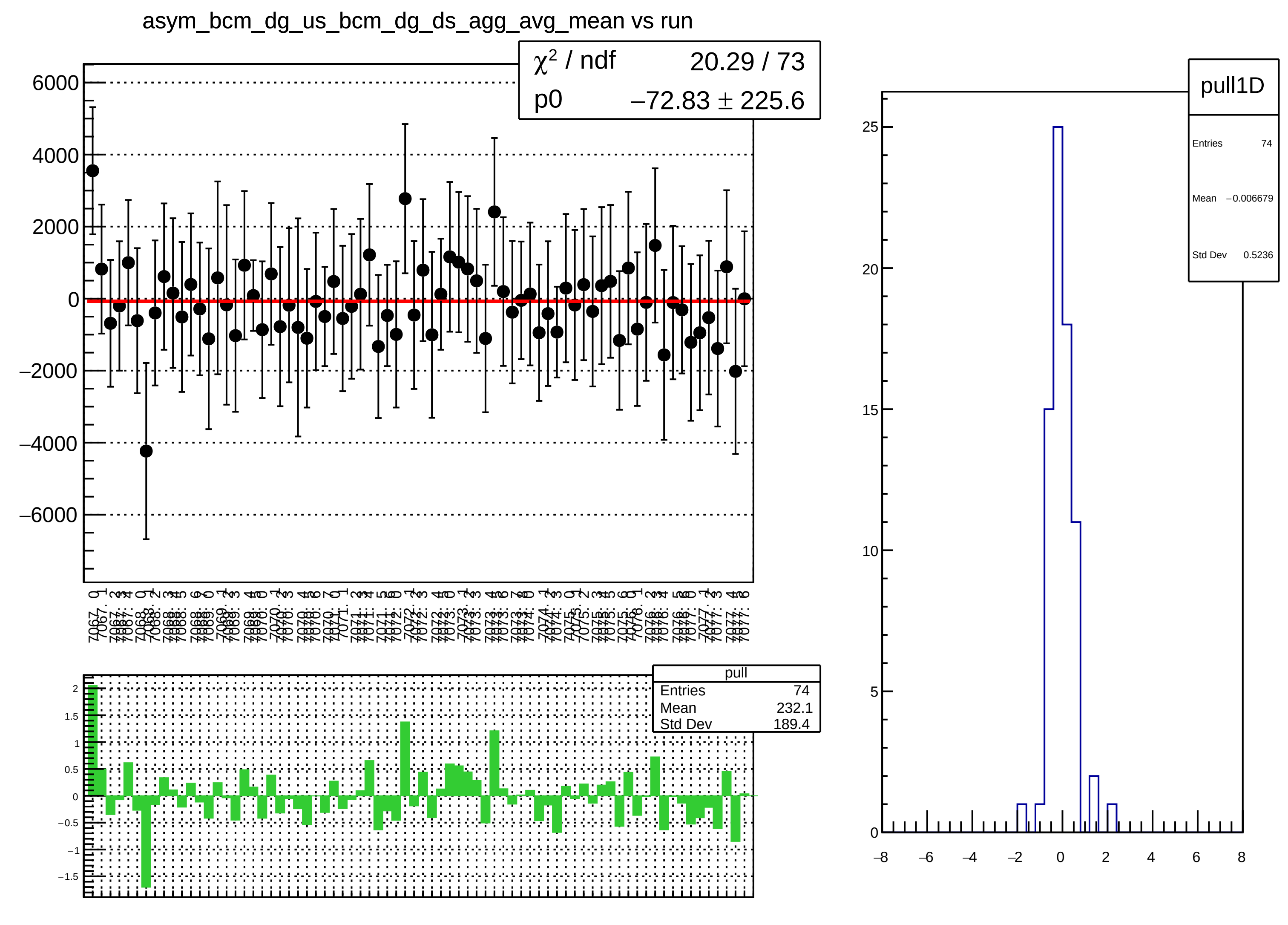
asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ2 / ndf 1.199e+04 / 73
p0 195 ± 0.158
280
260
240
220
200
180
160



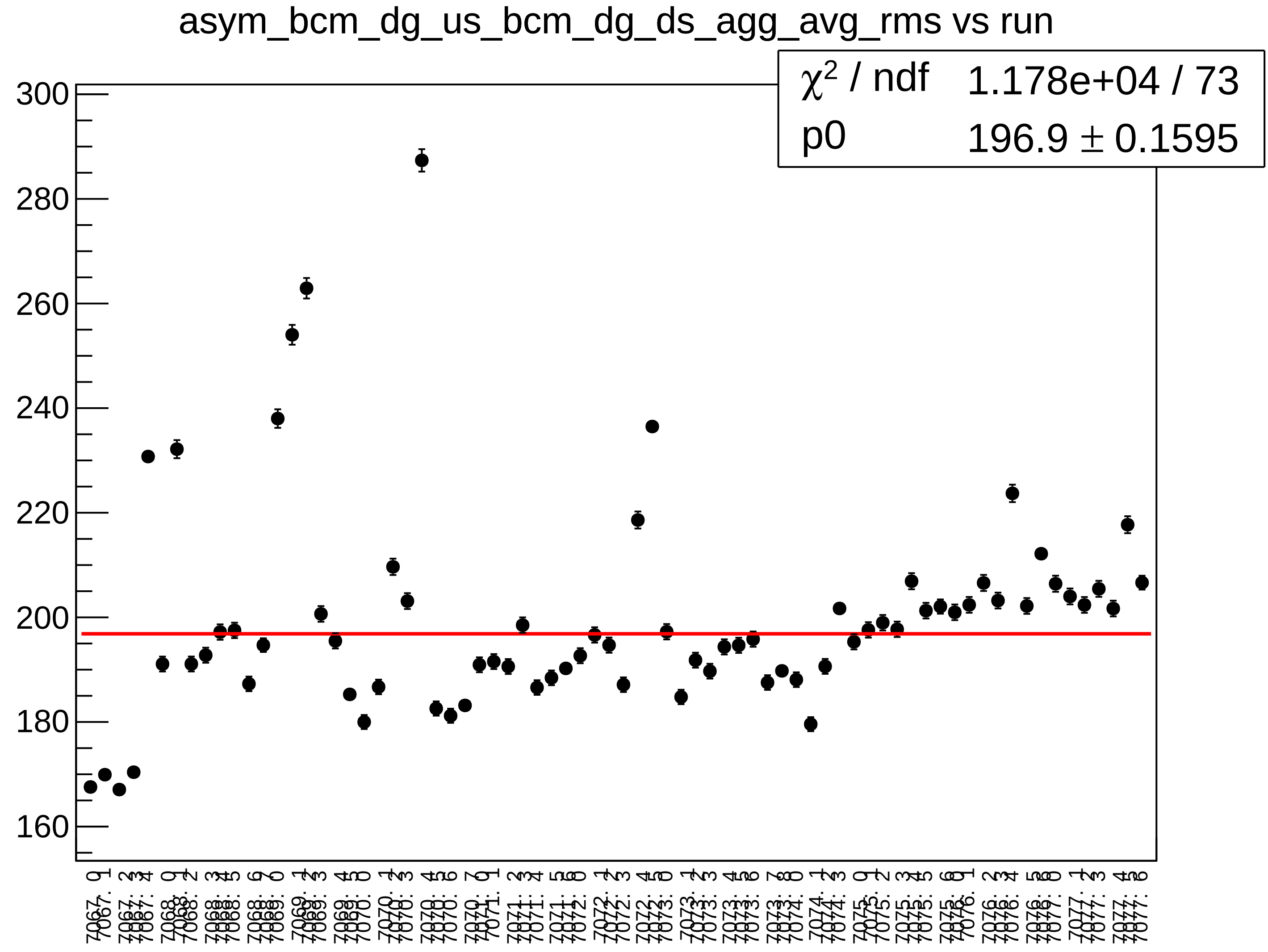
asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ2 / ndf 60.11 / 73
p0 −9.657 ± 18.15
pull
Entries 74
Mean 36.12
Std Dev 61.92
pull1D
Entries 74
Mean −0.01228
Std Dev 0.9012



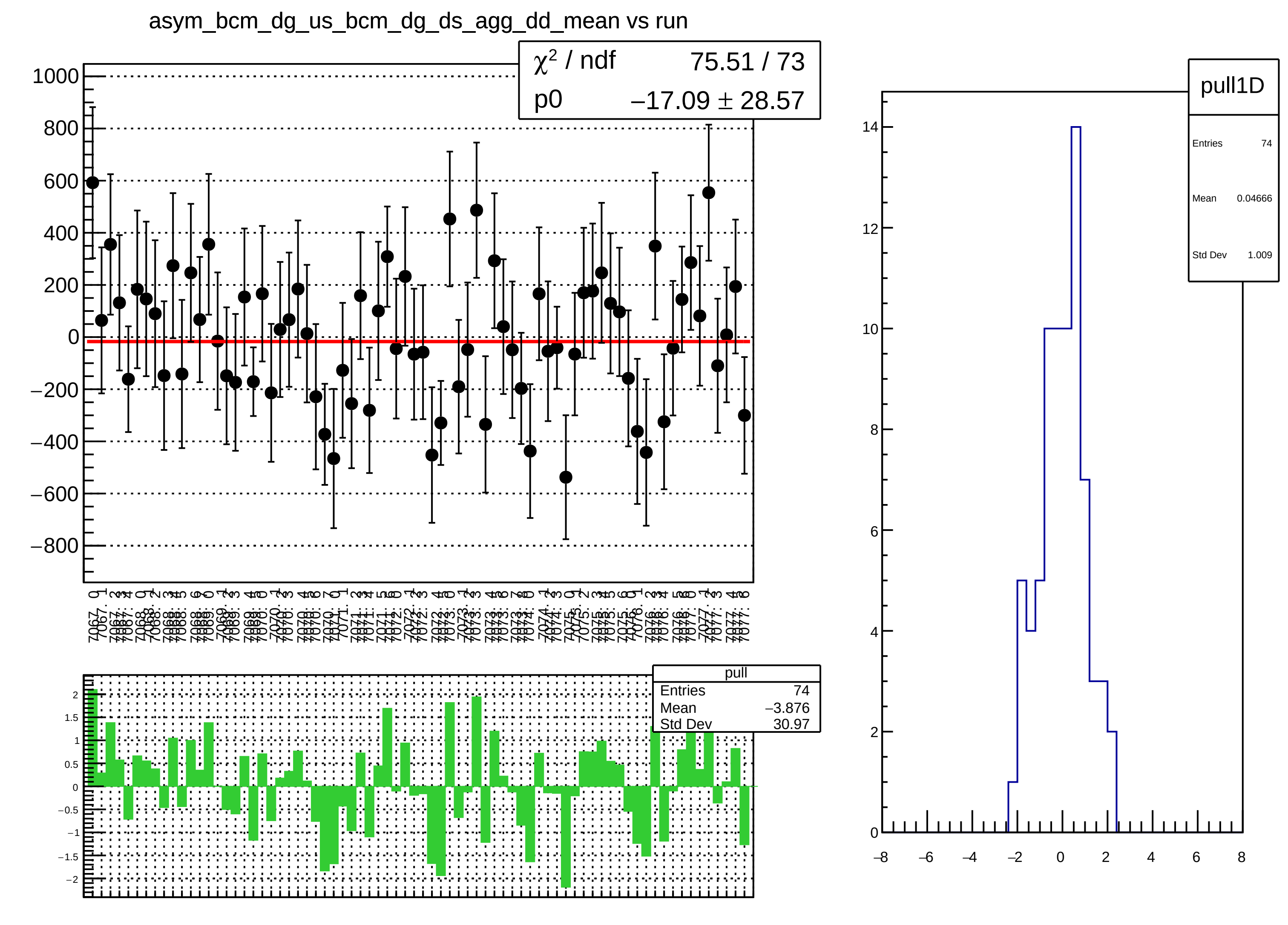
asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 2201 / 73
p0 15.89 ± 0.01283
18
17.5
17
16.5
16
15.5
15



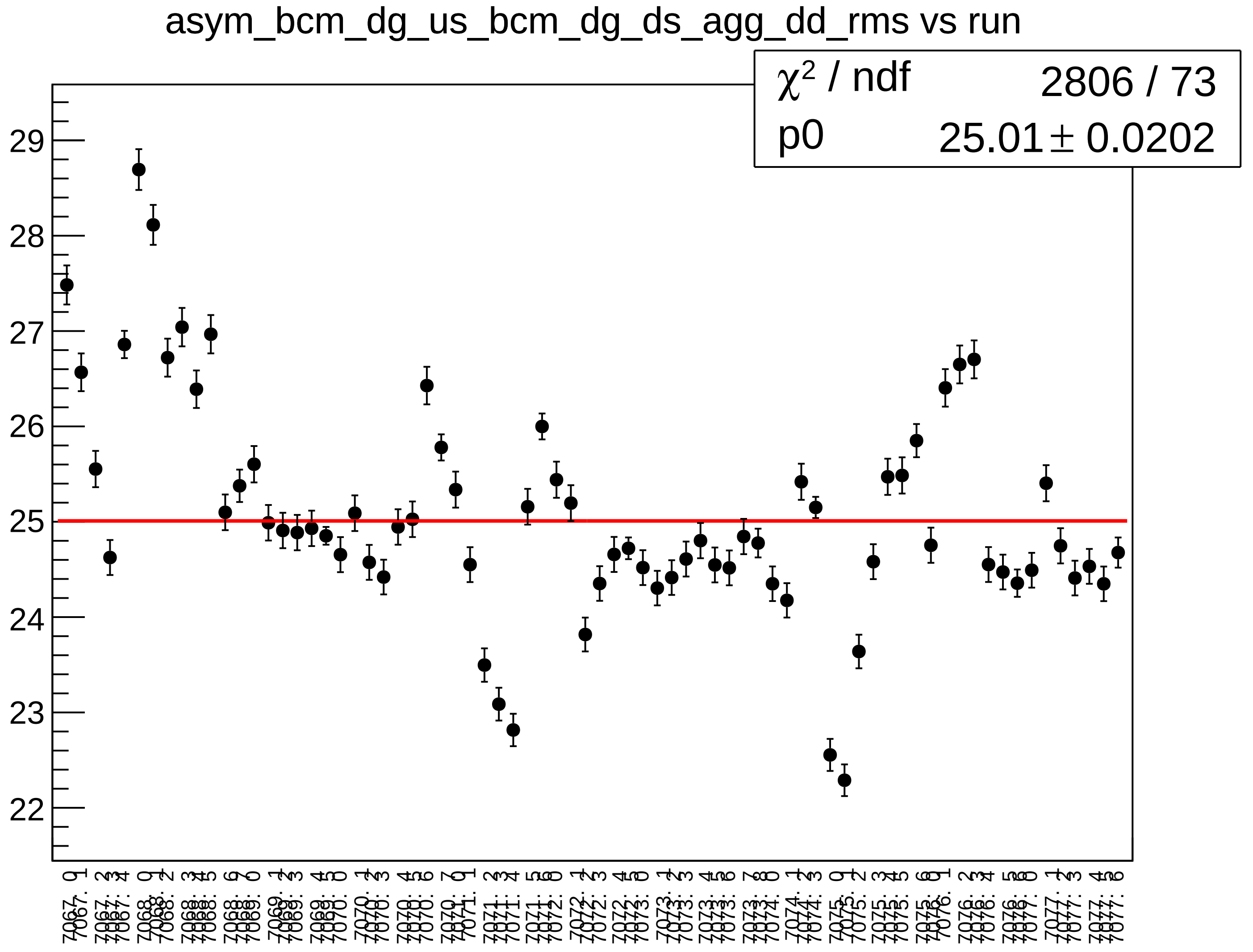
asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 20.29 / 73
p0 −72.83 ± 225.6
pull
Entries 74
Mean 232.1
Std Dev 189.4
pull1D
Entries 74
Mean −0.006679
Std Dev 0.5236

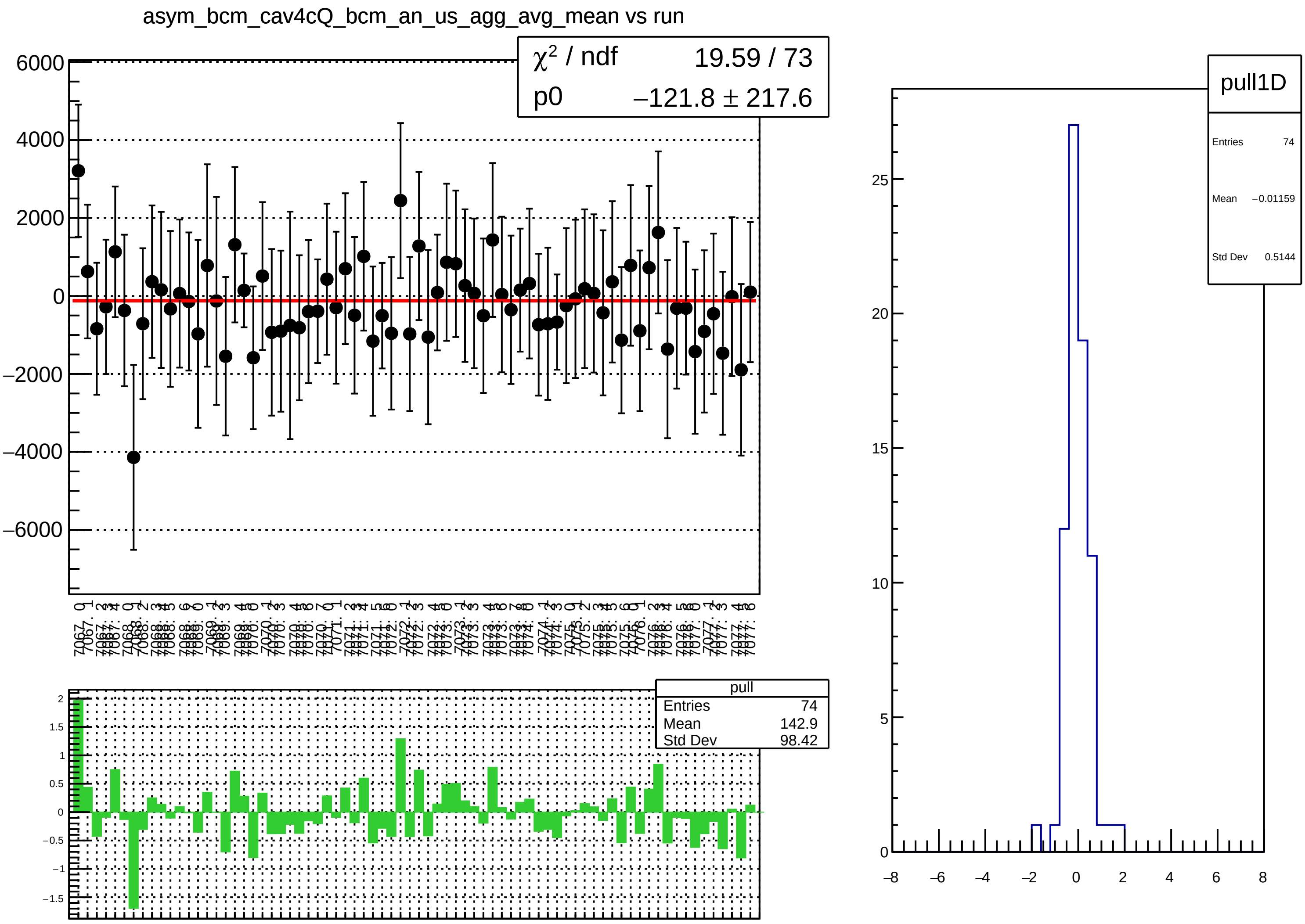


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ2 / ndf 1.178e+04 / 73
p0 196.9 ± 0.1595
300
280
260
240
220
200
180
160

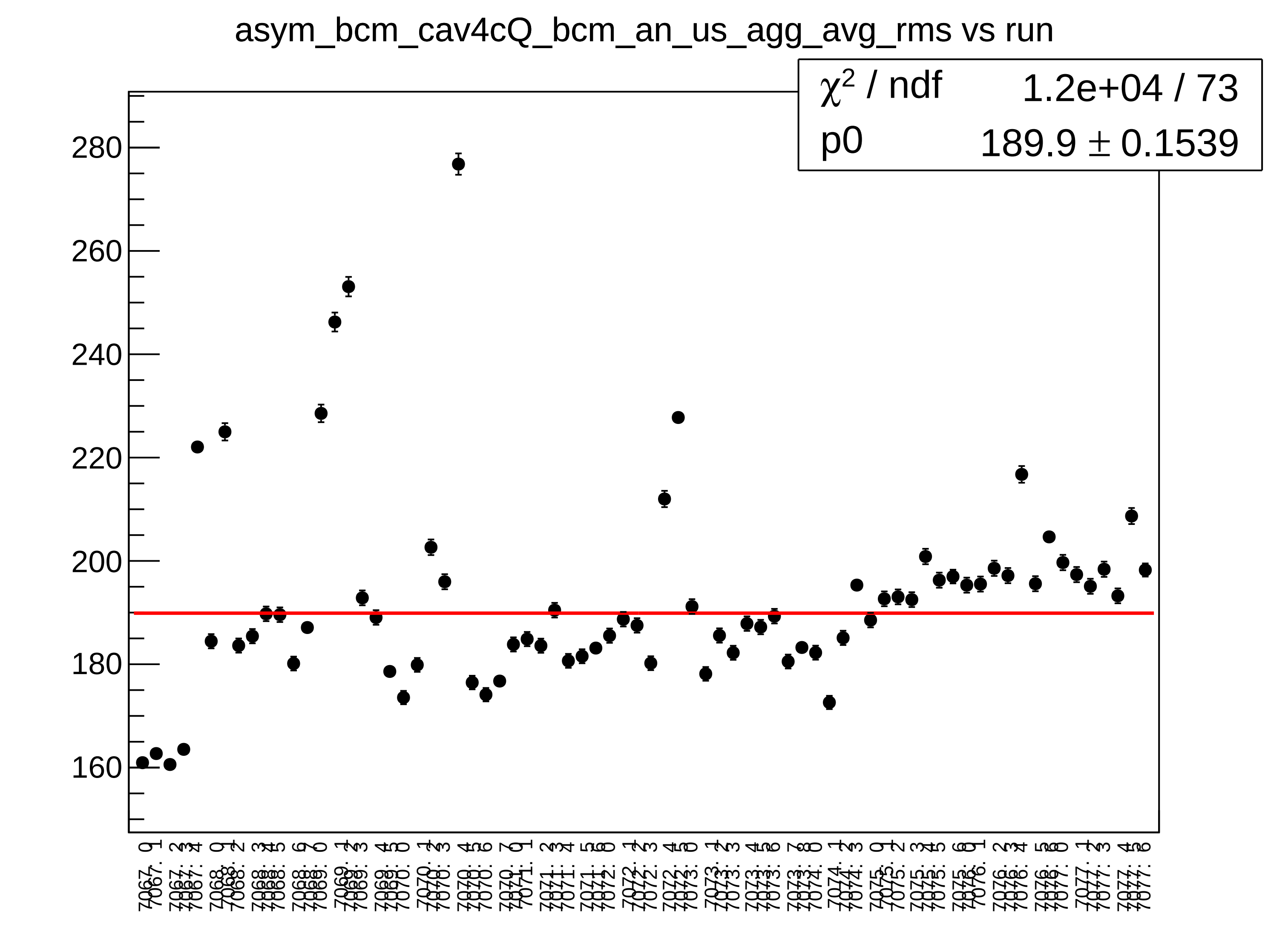


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ2 / ndf 75.51 / 73
p0 −17.09 ± 28.57
pull
Entries 74
Mean −3.876
Std Dev 30.97
pull1D
Entries 74
Mean 0.04666
Std Dev 1.009

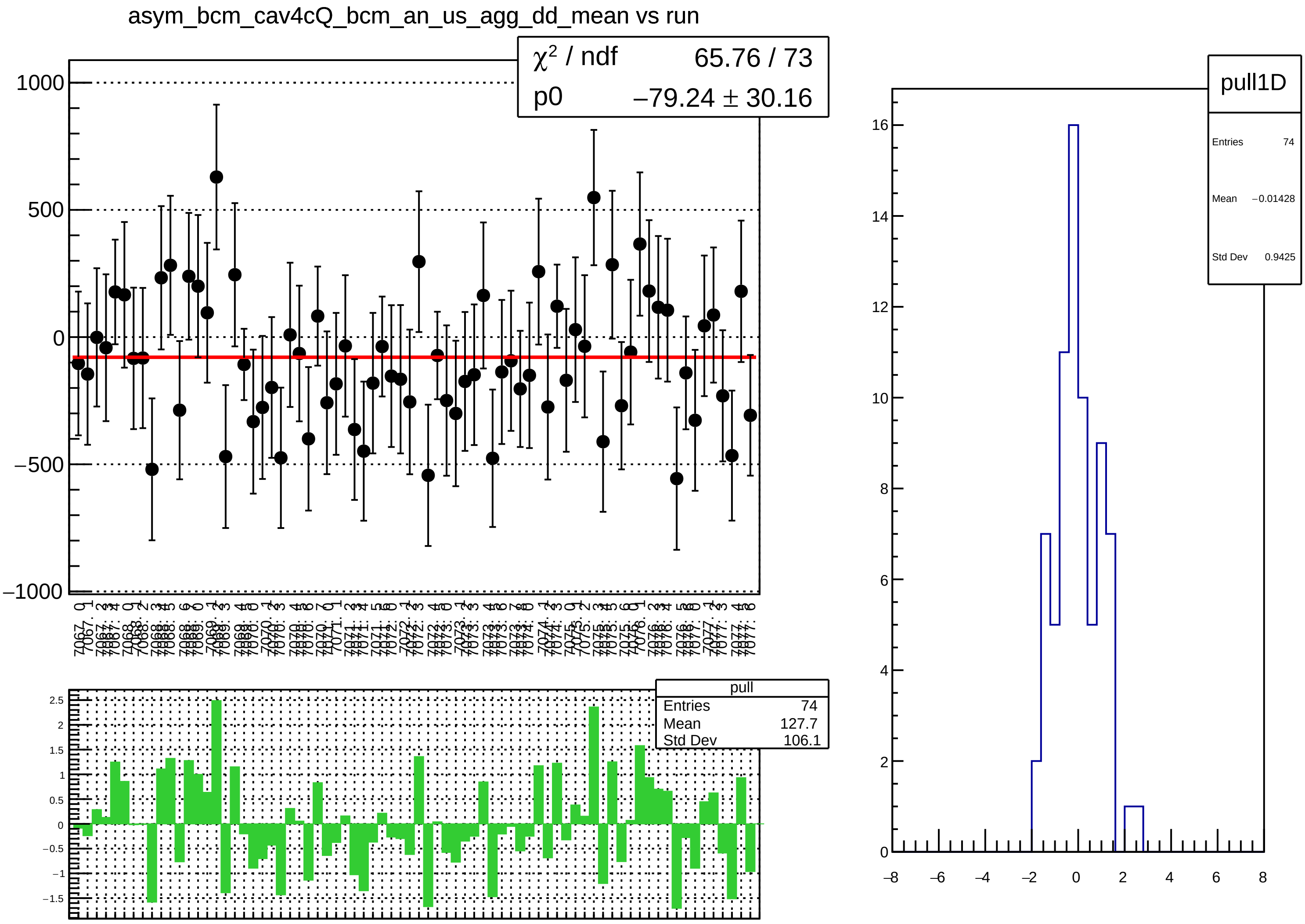

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 2806 / 73
p0 25.01 ± 0.0202
29
28
27
26
25
24
23
22



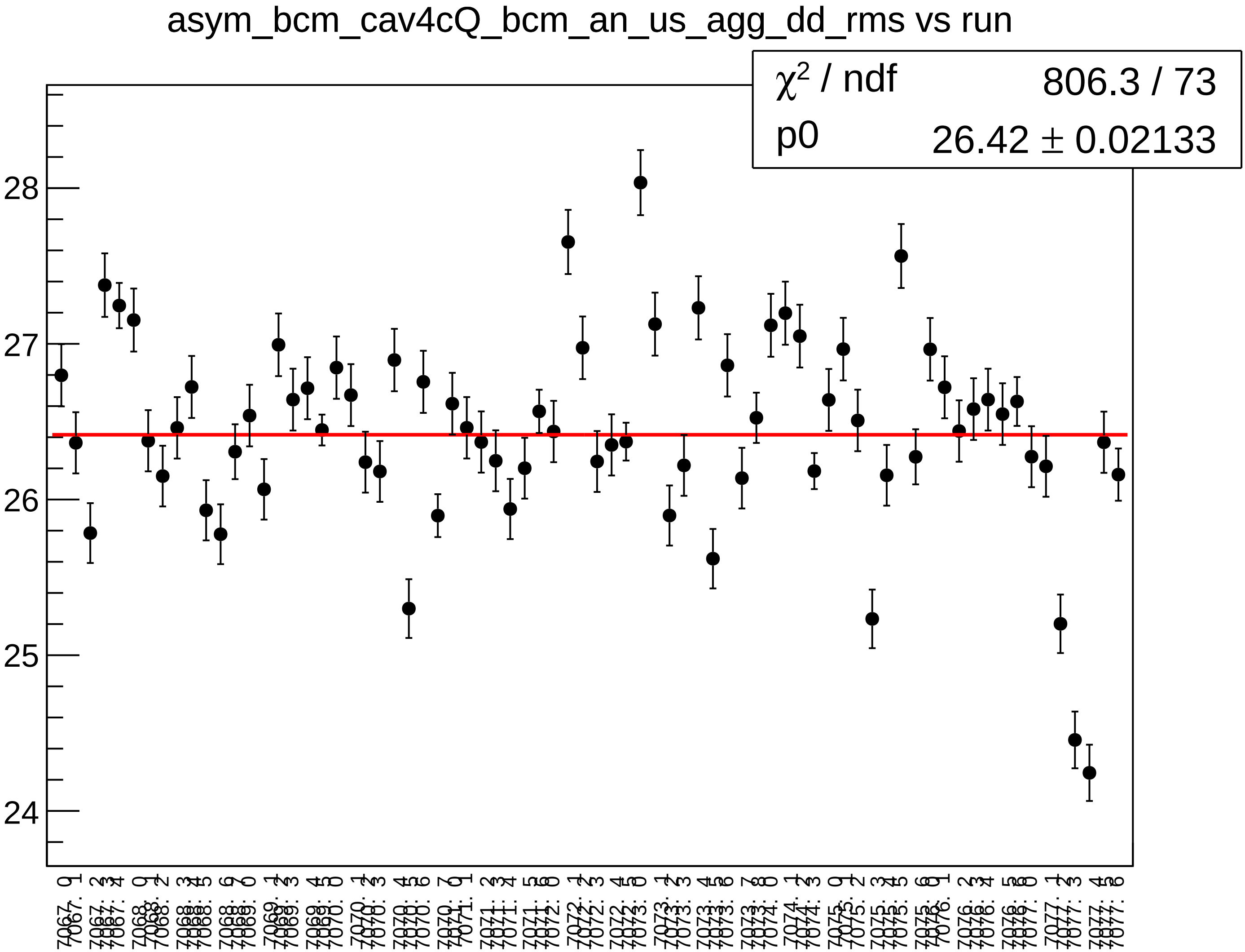
asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ2 / ndf 19.59 / 73
p0 −121.8 ± 217.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 74
Mean 142.9
Std Dev 98.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 74
Mean −0.01159
Std Dev 0.5144
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

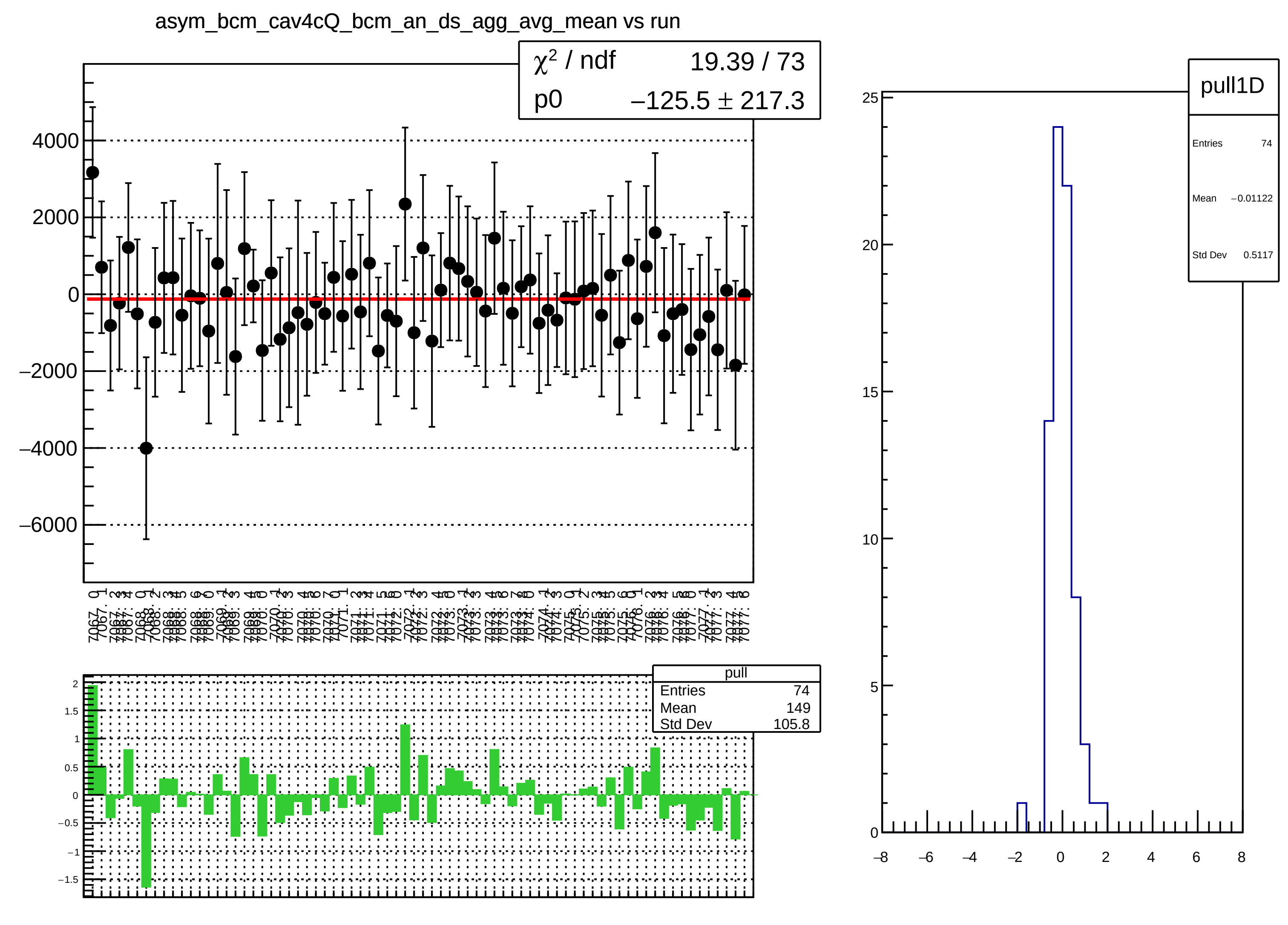


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 1.2e+04 / 73
p0 189.9 ± 0.1539
280
260
240
220
200
180
160

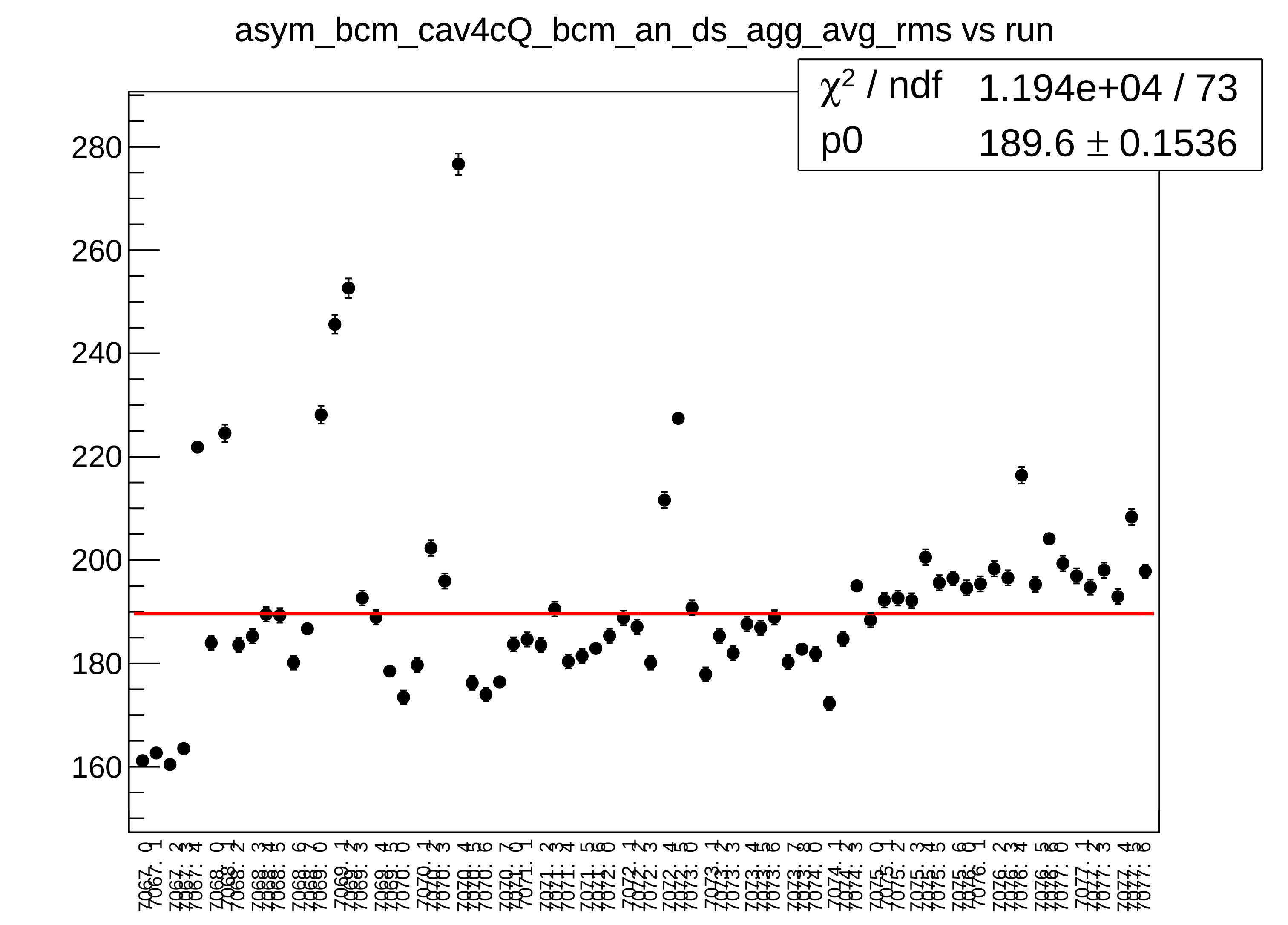


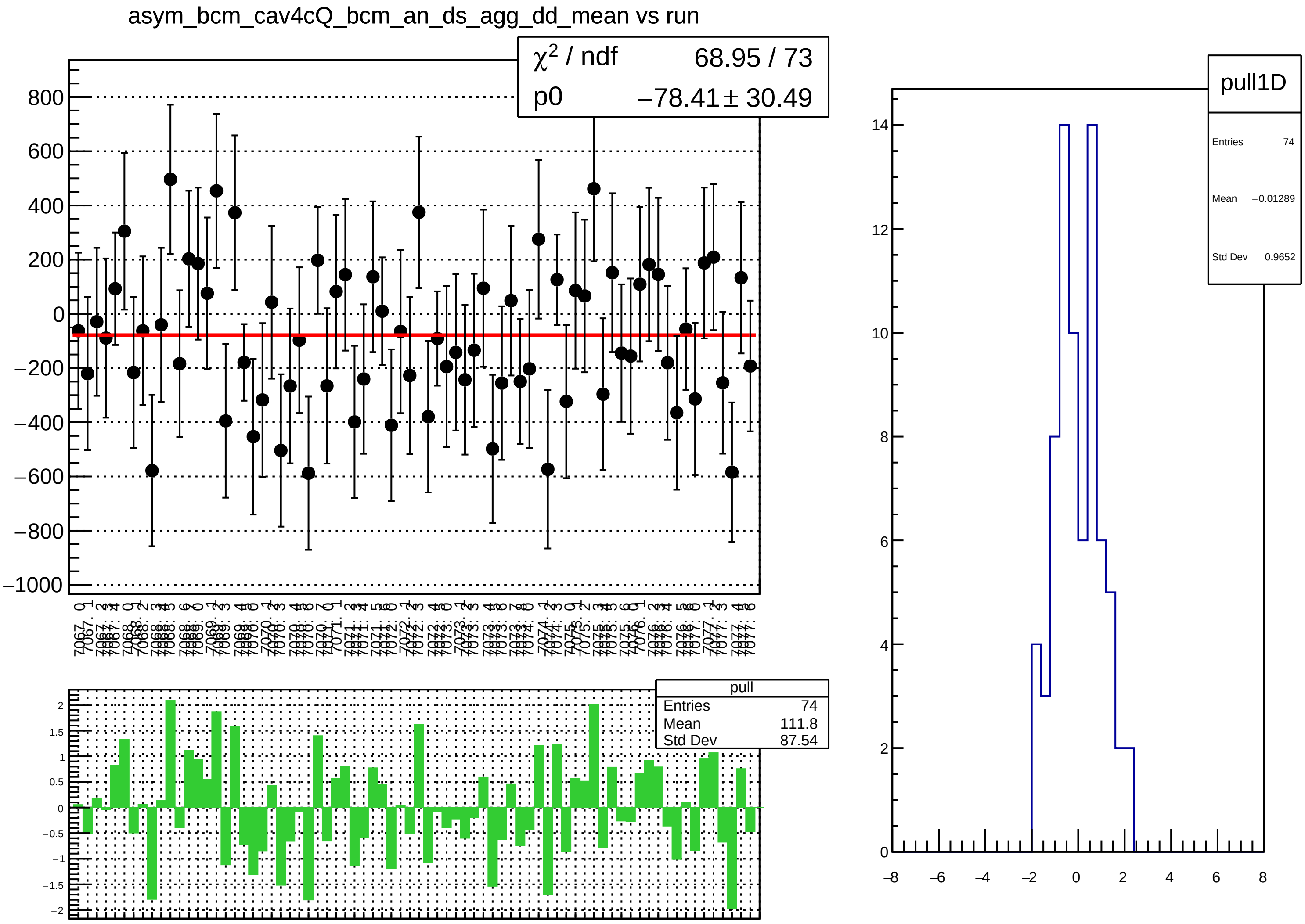
asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 65.76 / 73
p0 −79.24 ± 30.16
pull
Entries 74
Mean 127.7
Std Dev 106.1
pull1D
Entries 74
Mean −0.01428
Std Dev 0.9425

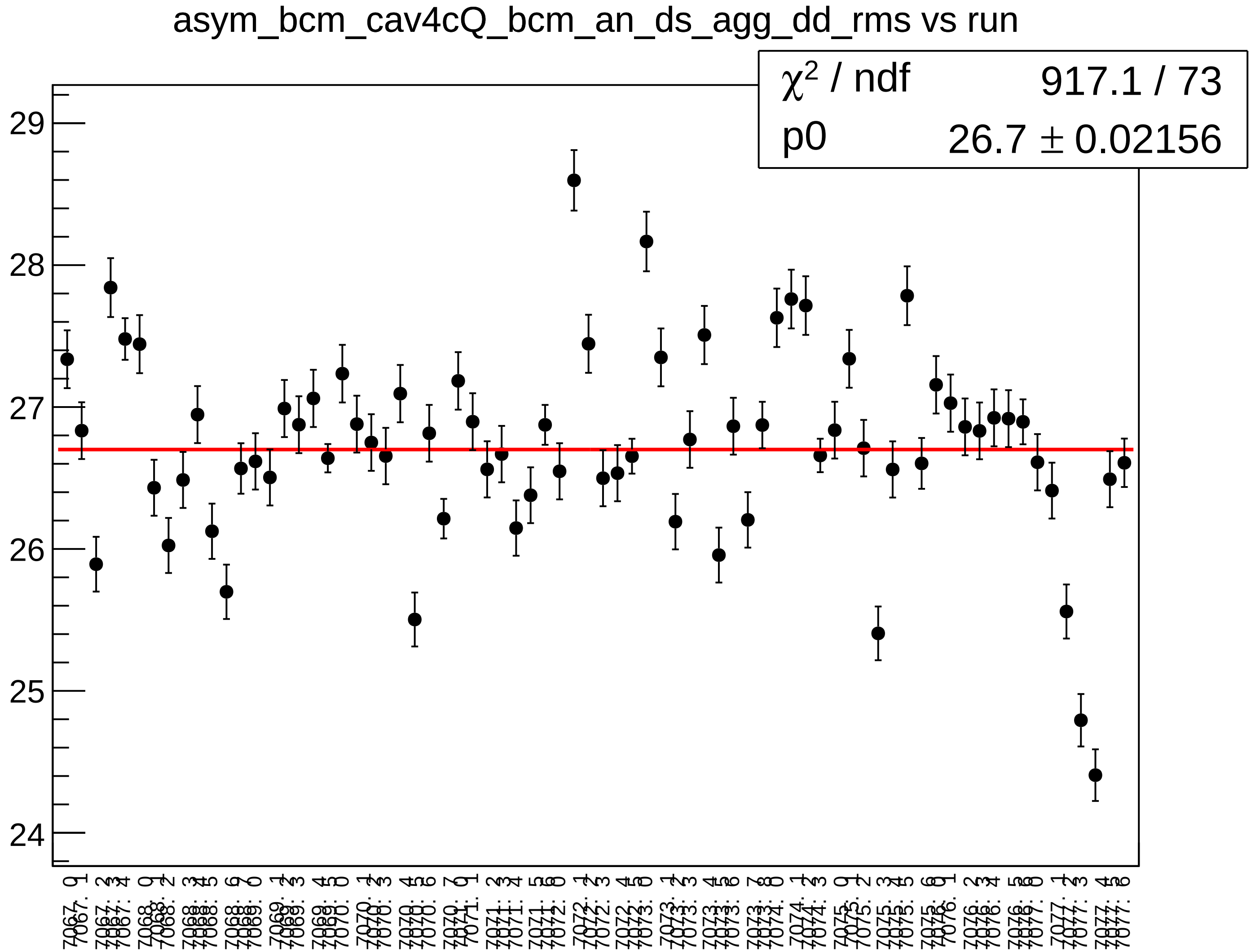

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 806.3 / 73
p0 26.42 ± 0.02133
28
27
26
25
24

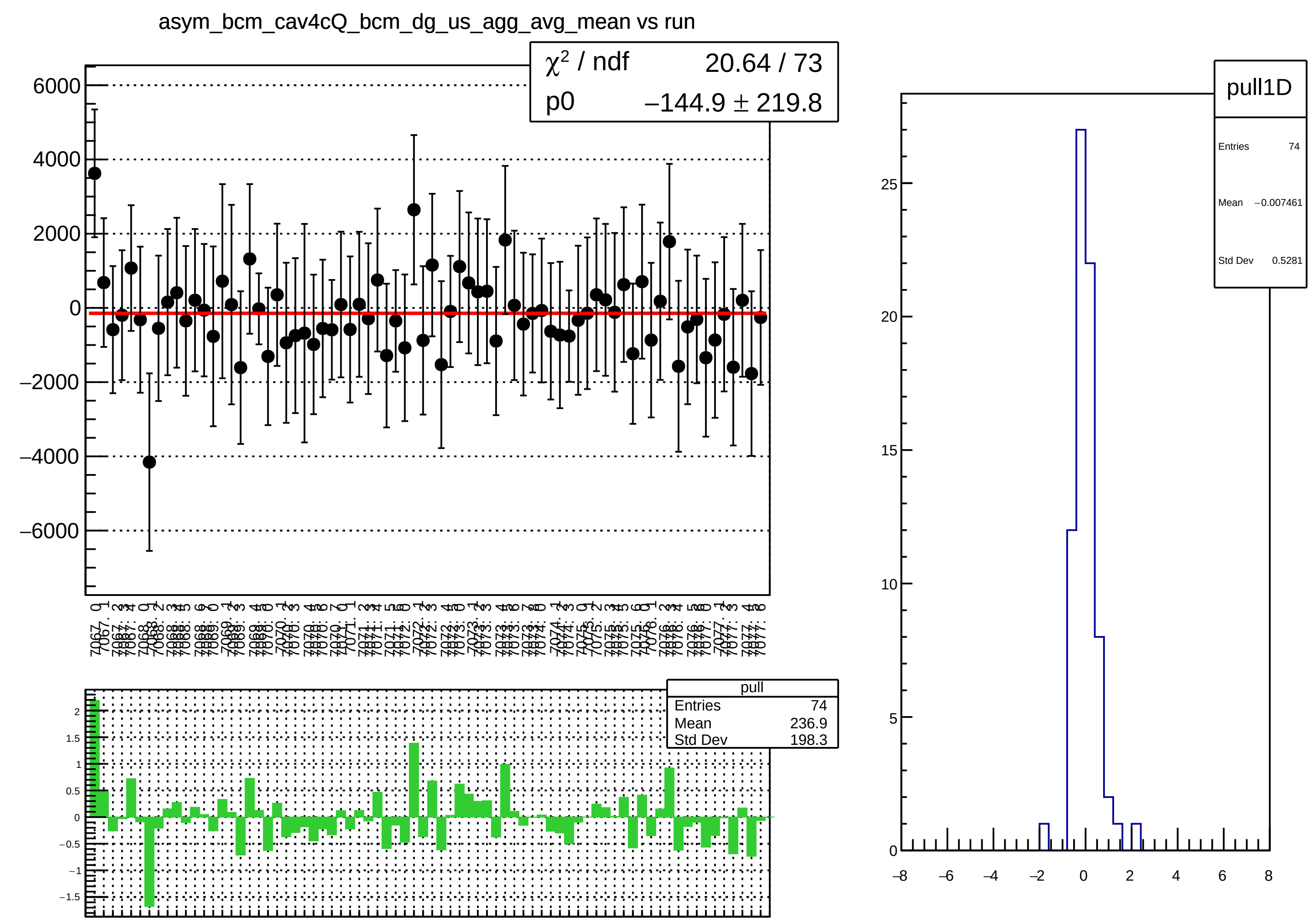


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 19.39 / 73
p0 −125.5 ± 217.3
pull
Entries 74
Mean 149
Std Dev 105.8
pull1D
Entries 74
Mean −0.01122
Std Dev 0.5117

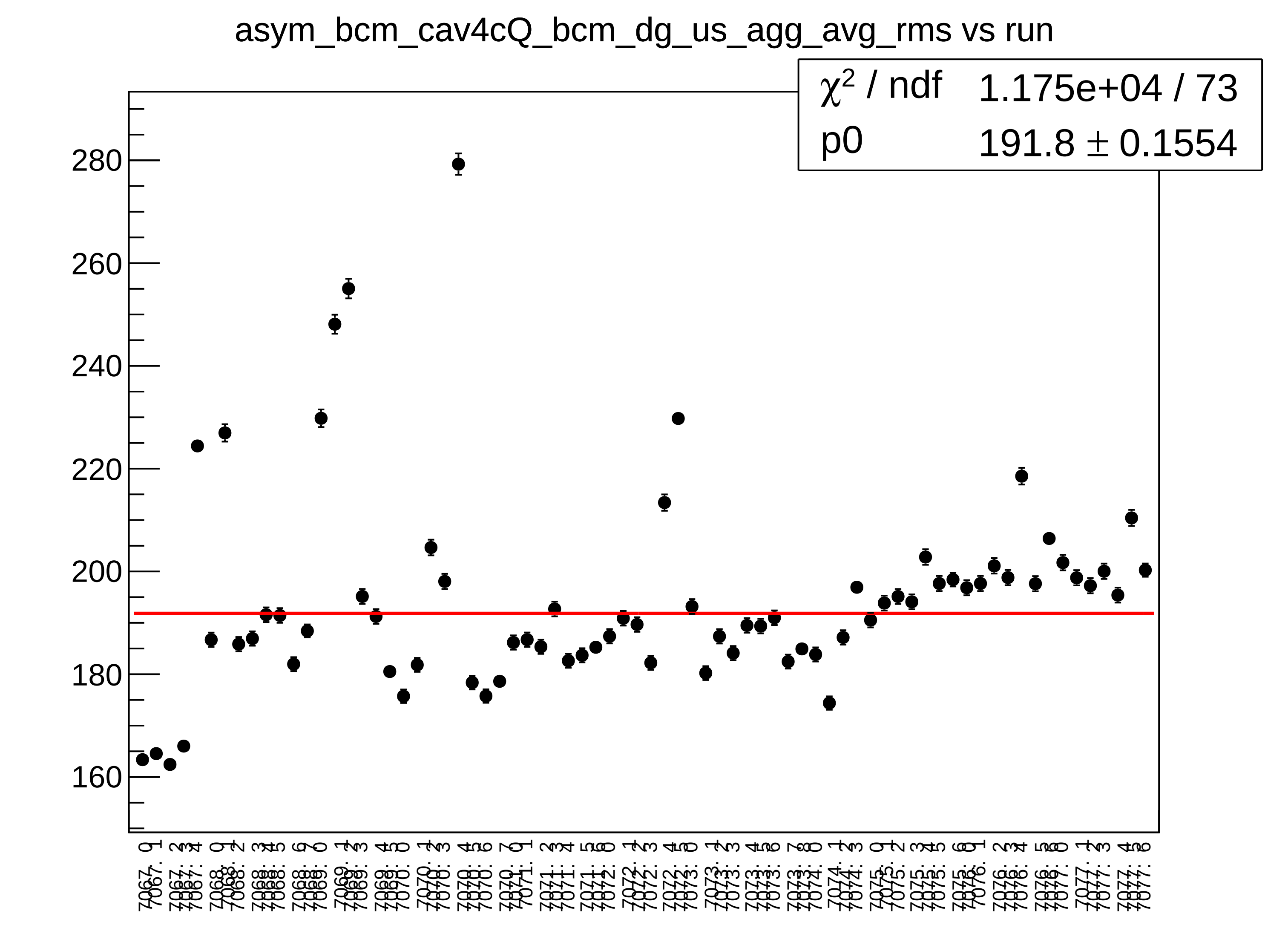

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 1.194e+04 / 73
p0 189.6 ± 0.1536
280
260
240
220
200
180
160

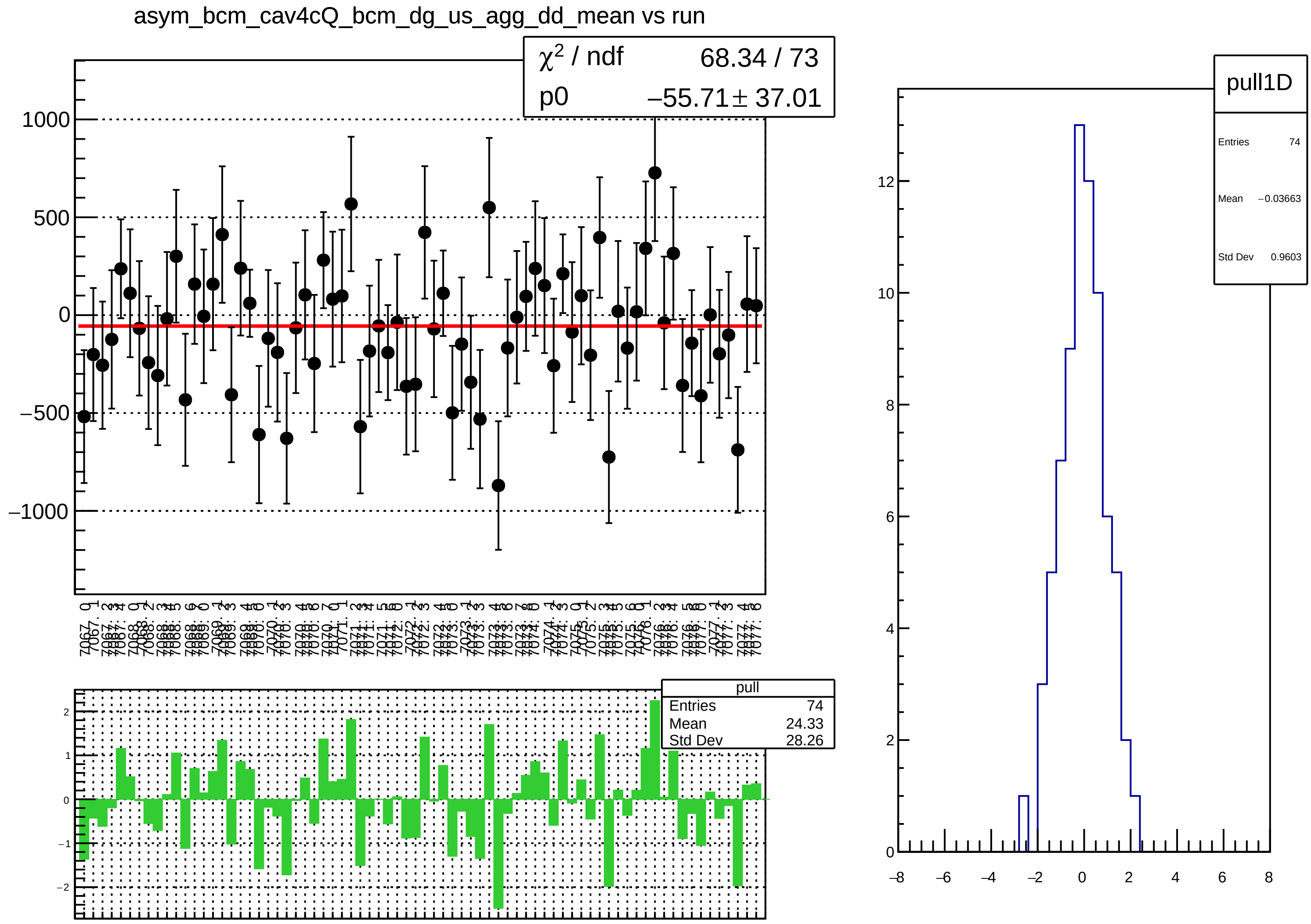

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ2 / ndf 68.95 / 73
p0 −78.41 ± 30.49
pull
Entries 74
Mean 111.8
Std Dev 87.54
pull1D
Entries 74
Mean −0.01289
Std Dev 0.9652


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

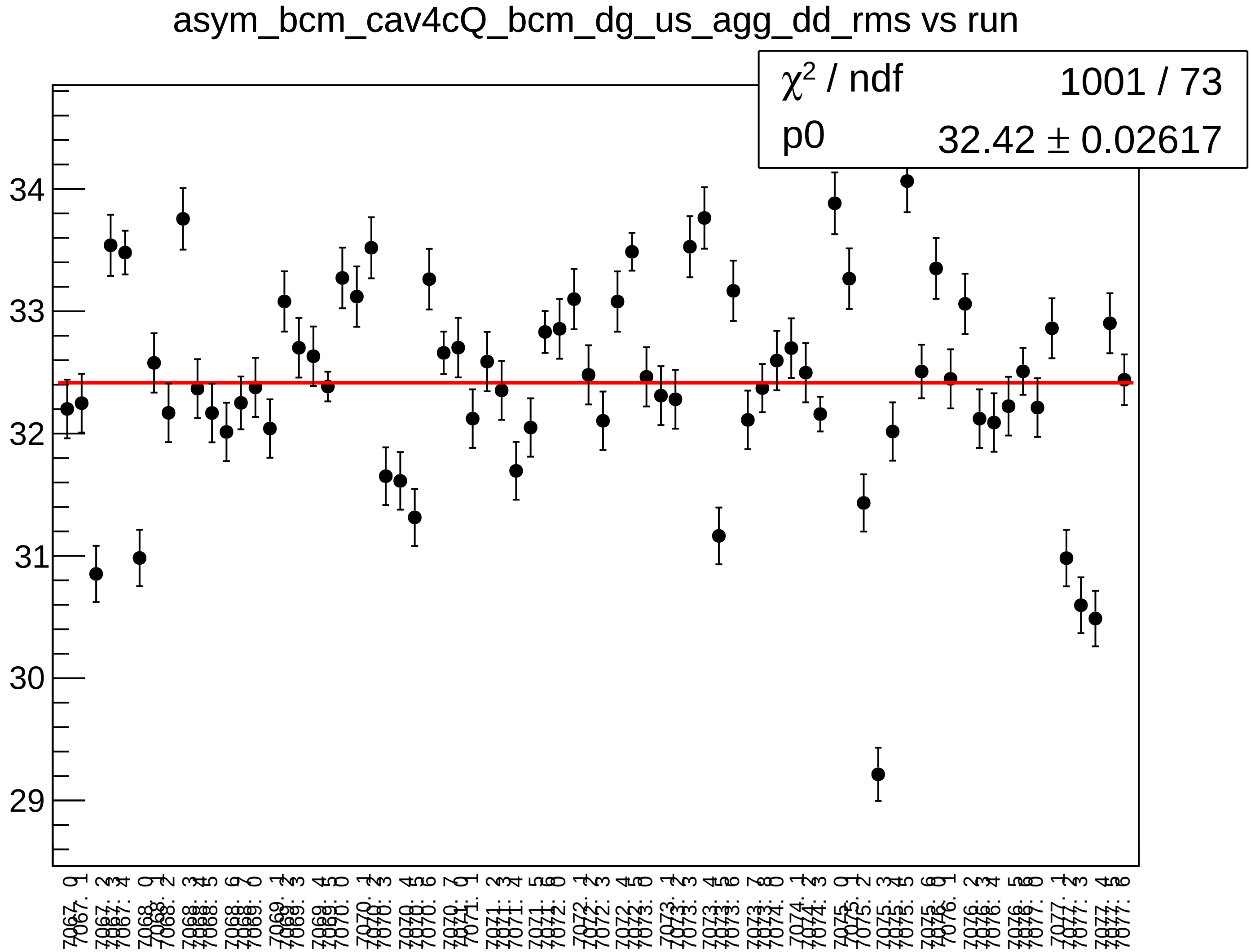


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ^2 / ndf 20.64 / 73
p0 −144.9 ± 219.8
pull
Entries 74
Mean 236.9
Std Dev 198.3
pull1D
Entries 74
Mean −0.007461
Std Dev 0.5281

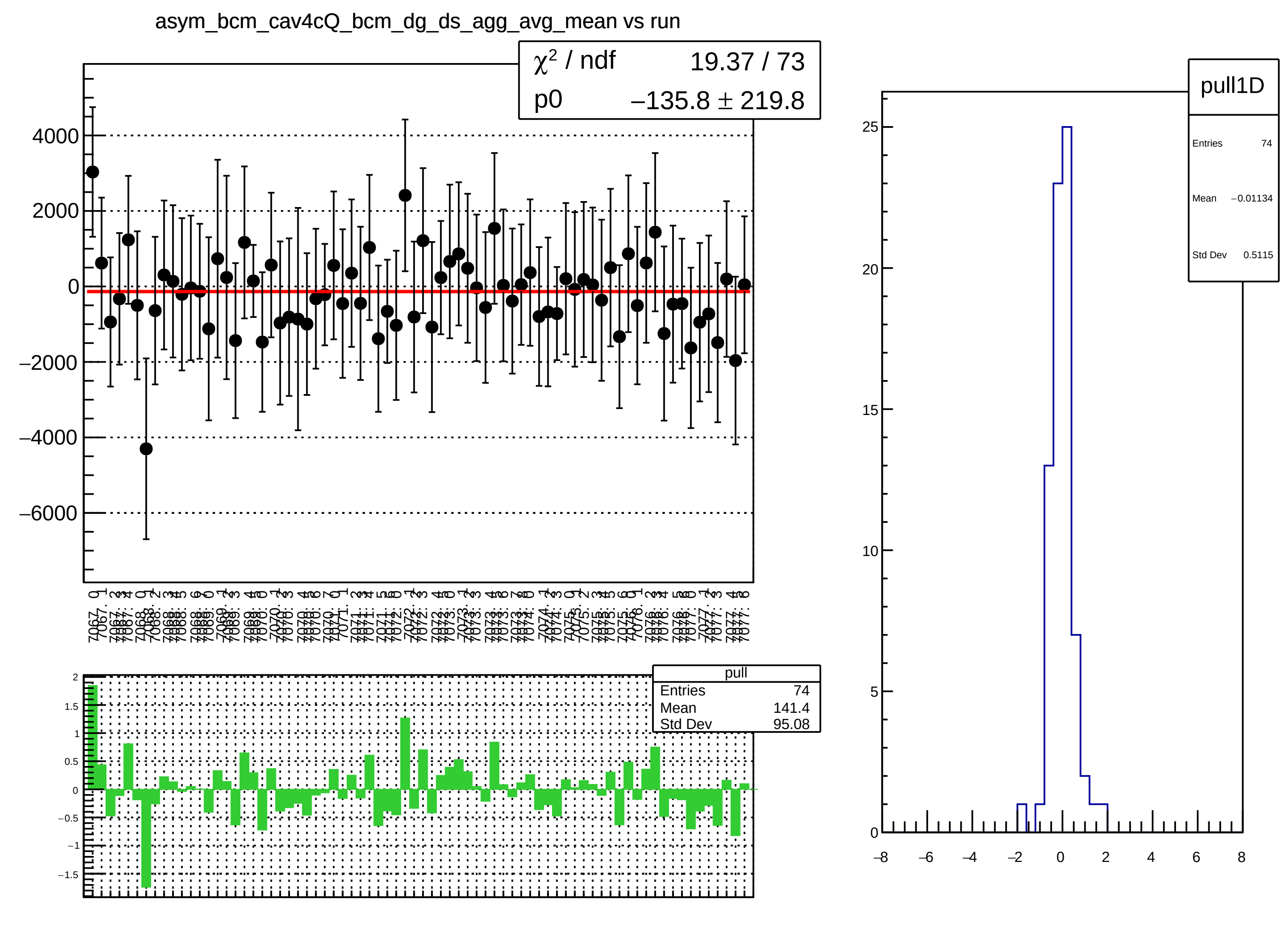

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ^2 / ndf 1.175e+04 / 73
p0 191.8 ± 0.1554



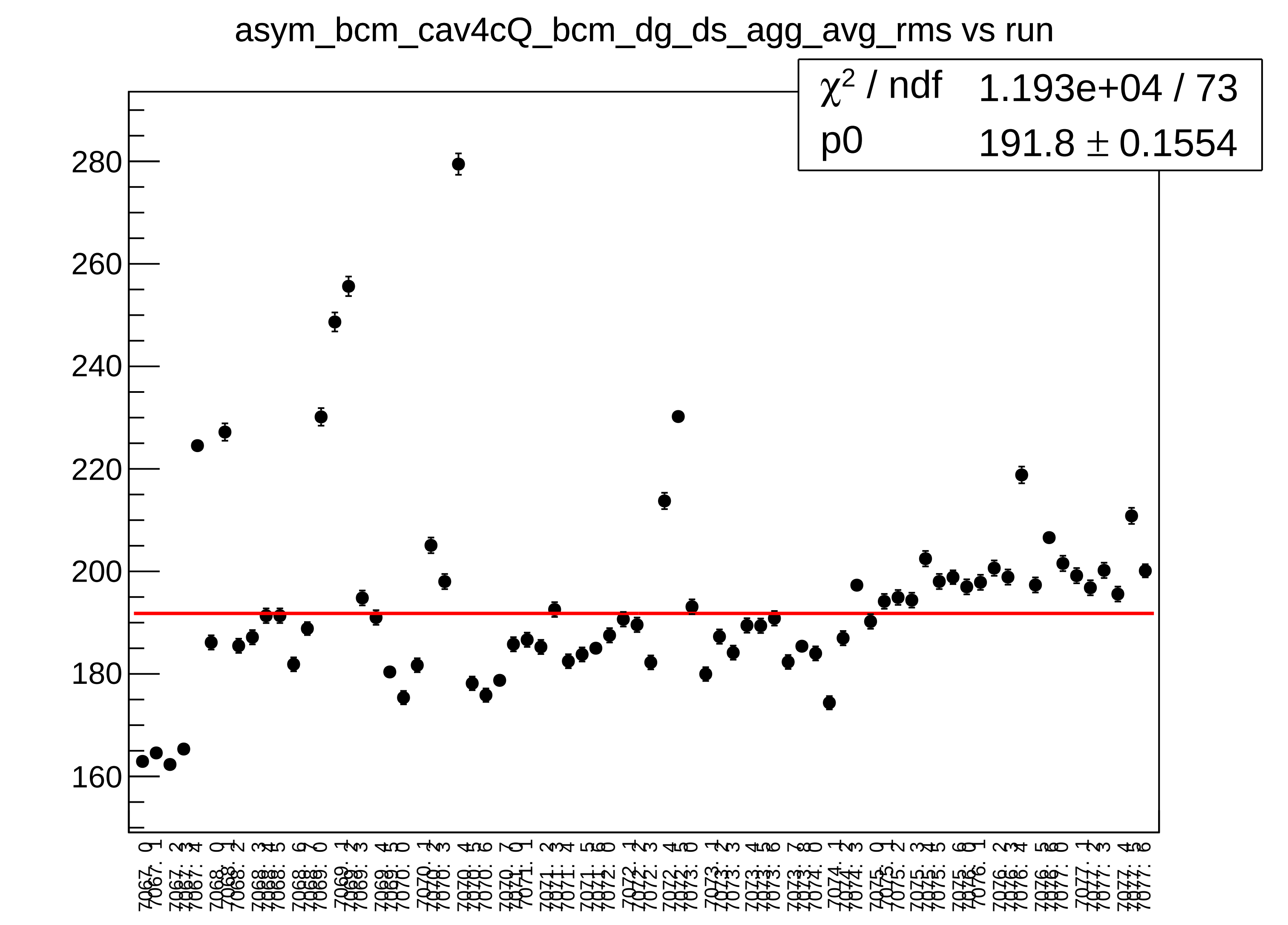
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ2 / ndf 68.34 / 73
p0 −55.71 ± 37.01
1000
500
0
−500
−1000
pull
Entries 74
Mean 24.33
Std Dev 28.26
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.03663
Std Dev 0.9603
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

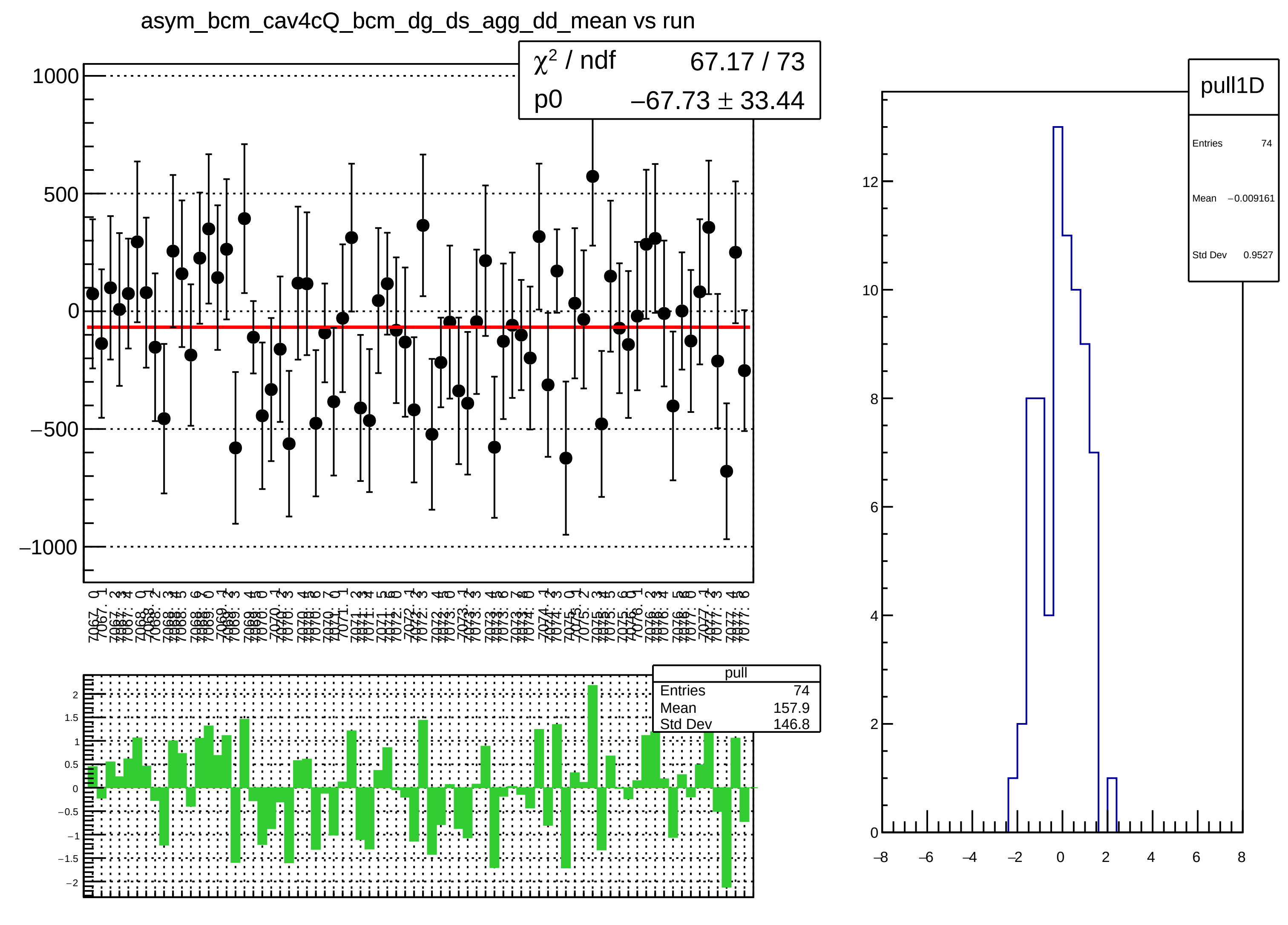


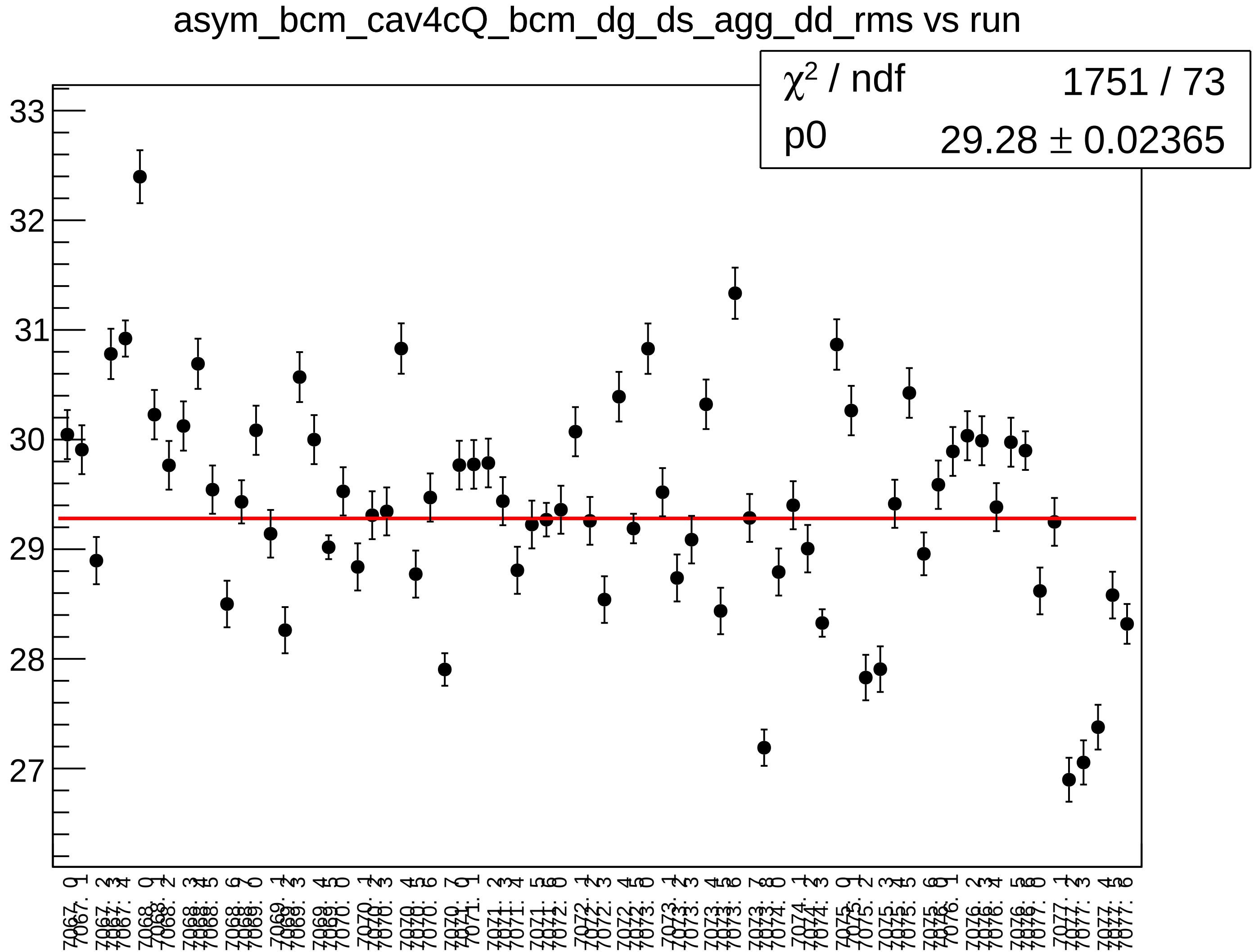
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ^2 / ndf 1001 / 73
p0 32.42 ± 0.02617
34
33
32
31
30
29



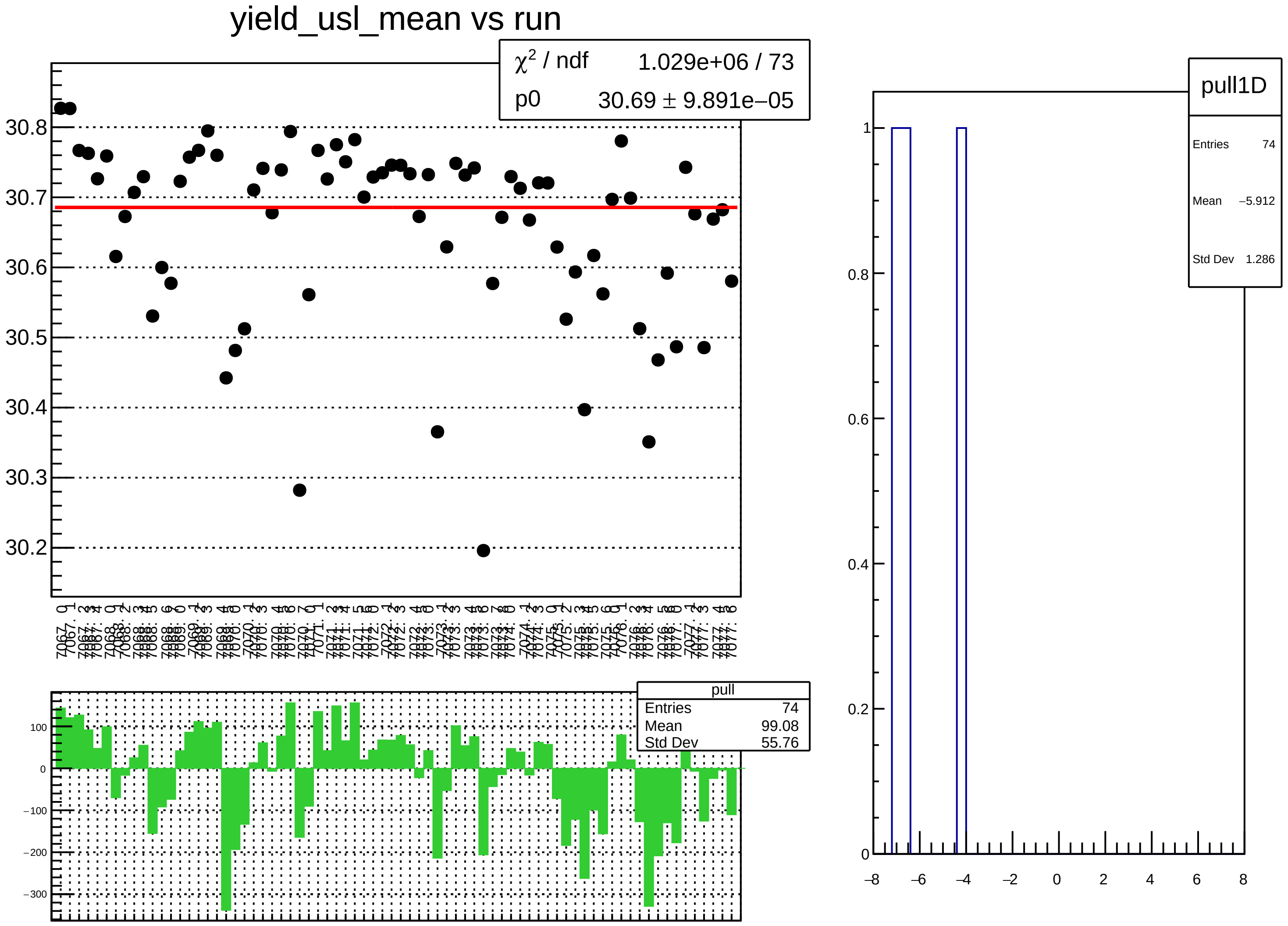
asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ2 / ndf 19.37 / 73
p0 −135.8 ± 219.8
pull
Entries 74
Mean 141.4
Std Dev 95.08
pull1D
Entries 74
Mean −0.01134
Std Dev 0.5115


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

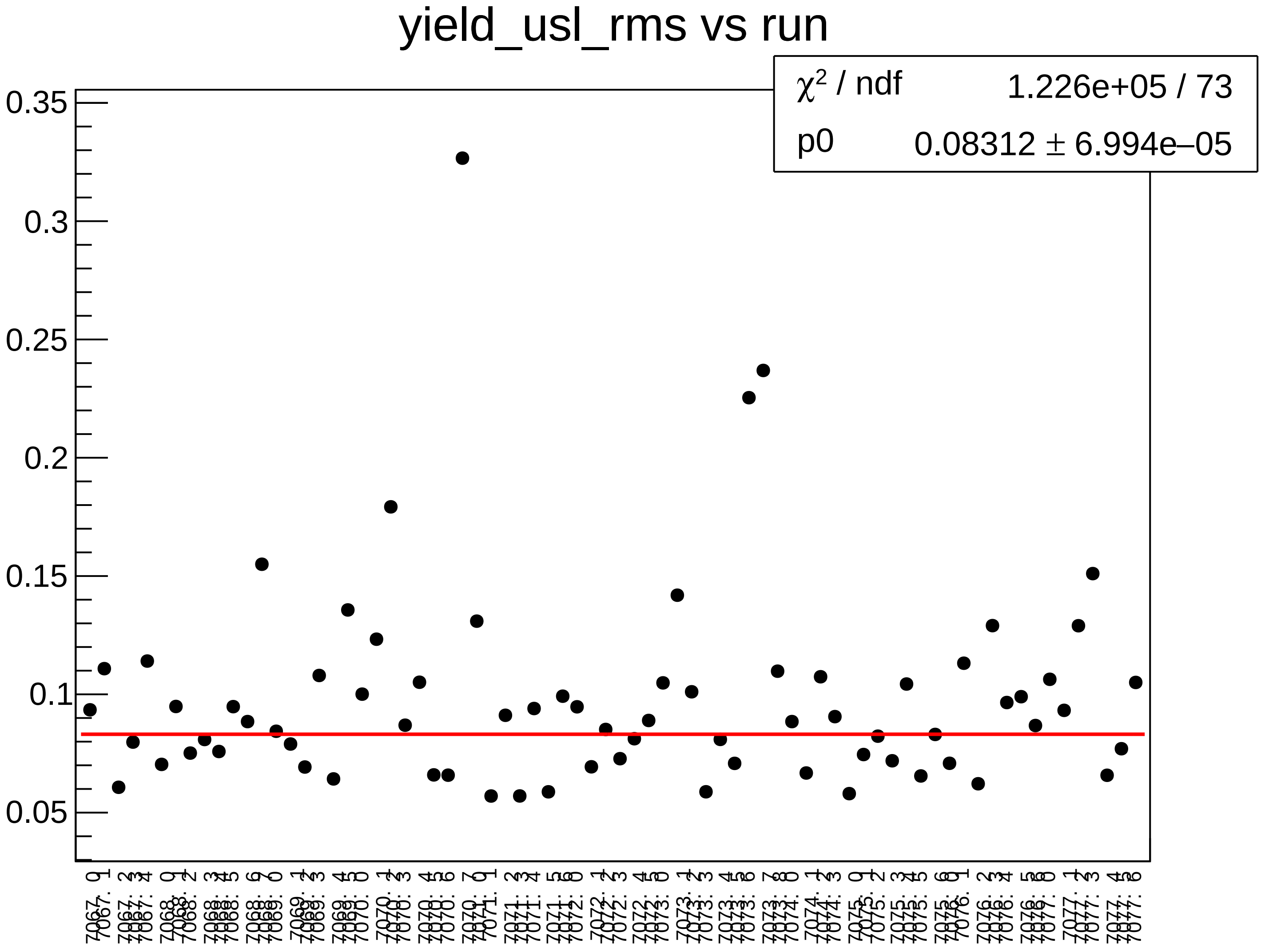

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ2 / ndf 67.17 / 73
p0 −67.73 ± 33.44
1000
500
0
−500
−1000
pull
Entries 74
Mean 157.9
Std Dev 146.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.009161
Std Dev 0.9527
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



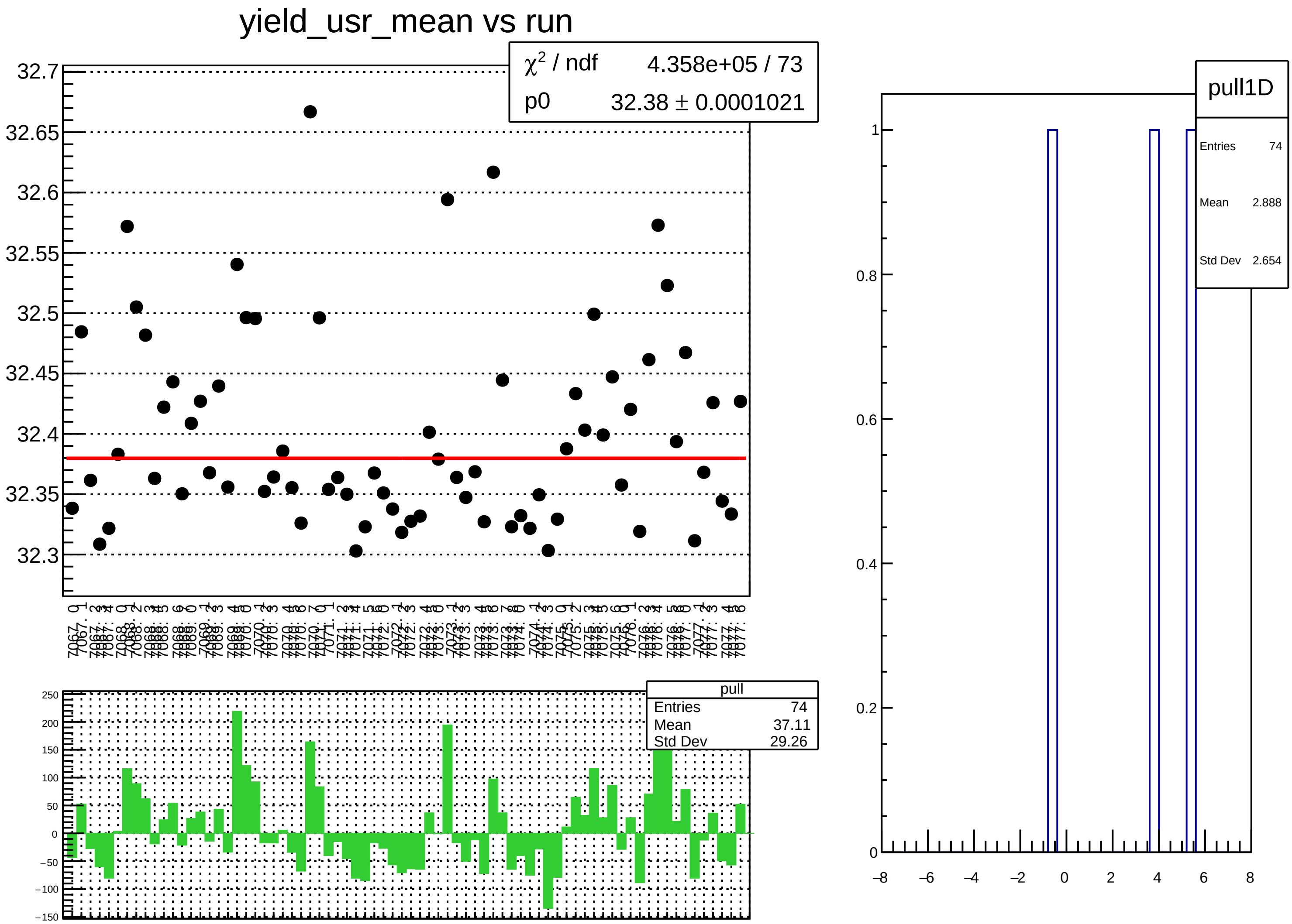
asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ2 / ndf 1751 / 73
p0 29.28 ± 0.02365
33
32
31
30
29
28
27



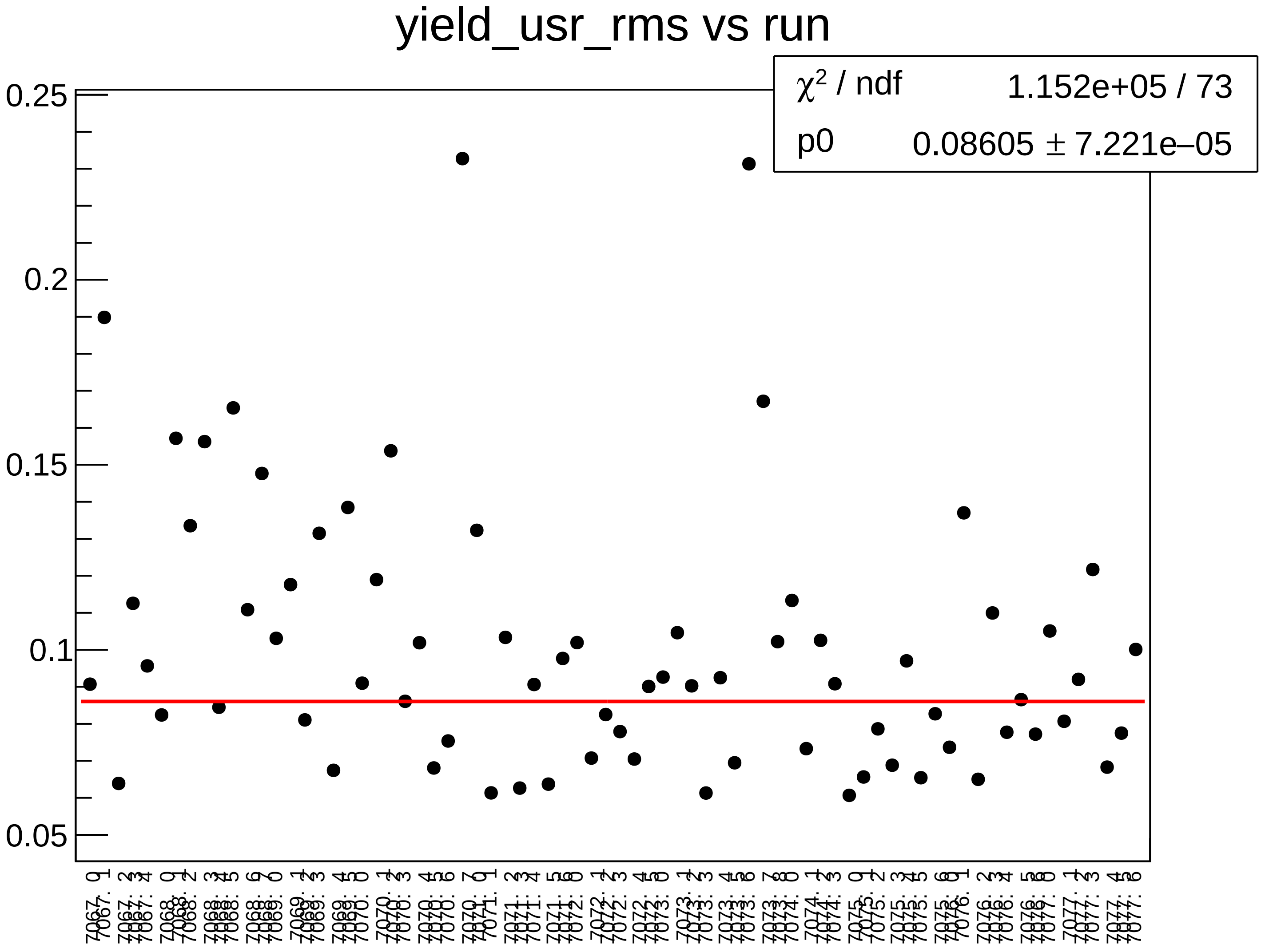
yield_usl_mean vs run
χ^2 / ndf 1.029e+06 / 73
p0 30.69 ± 9.891e−05
pull
Entries 74
Mean 99.08
Std Dev 55.76
pull1D
Entries 74
Mean −5.912
Std Dev 1.286

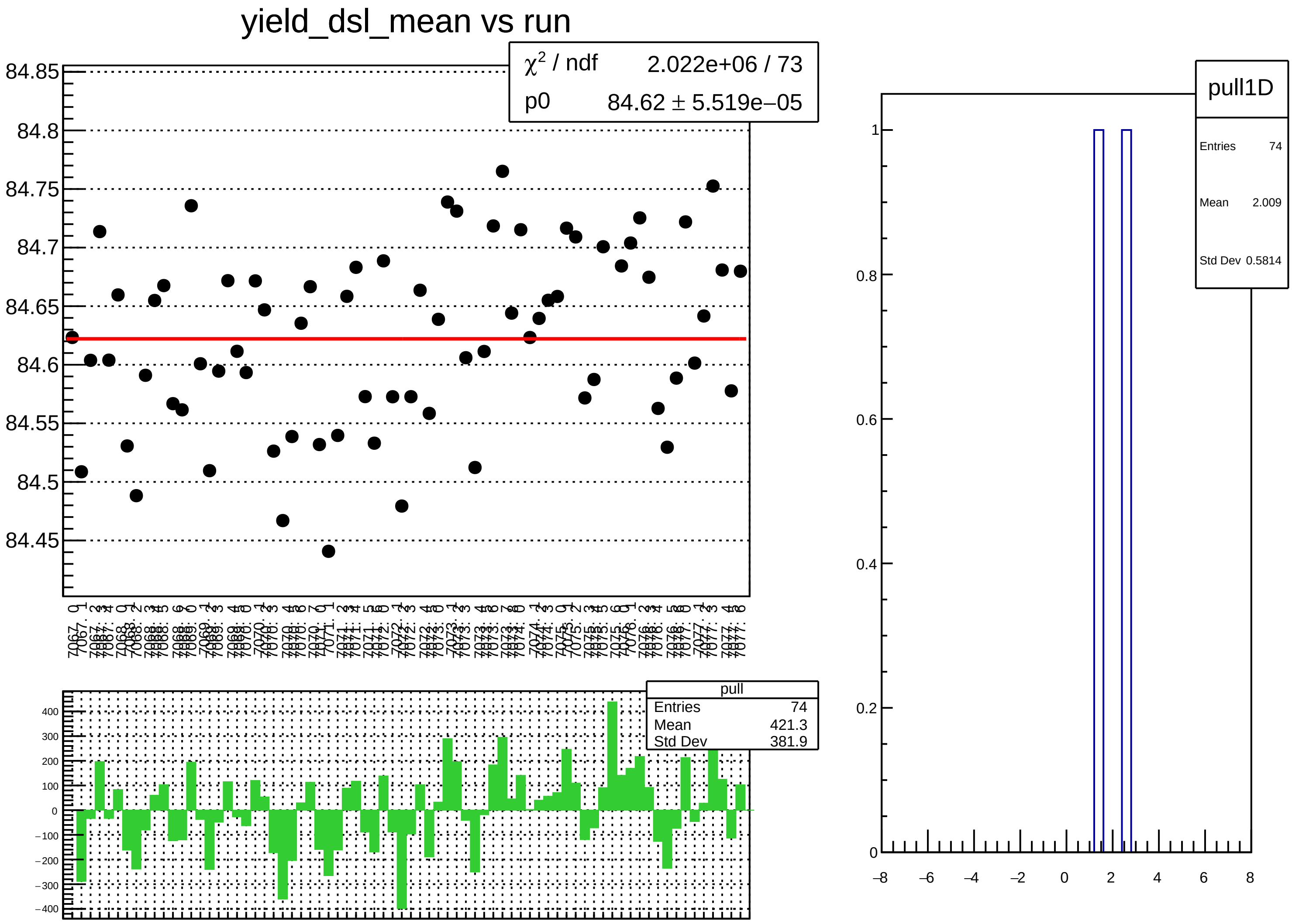


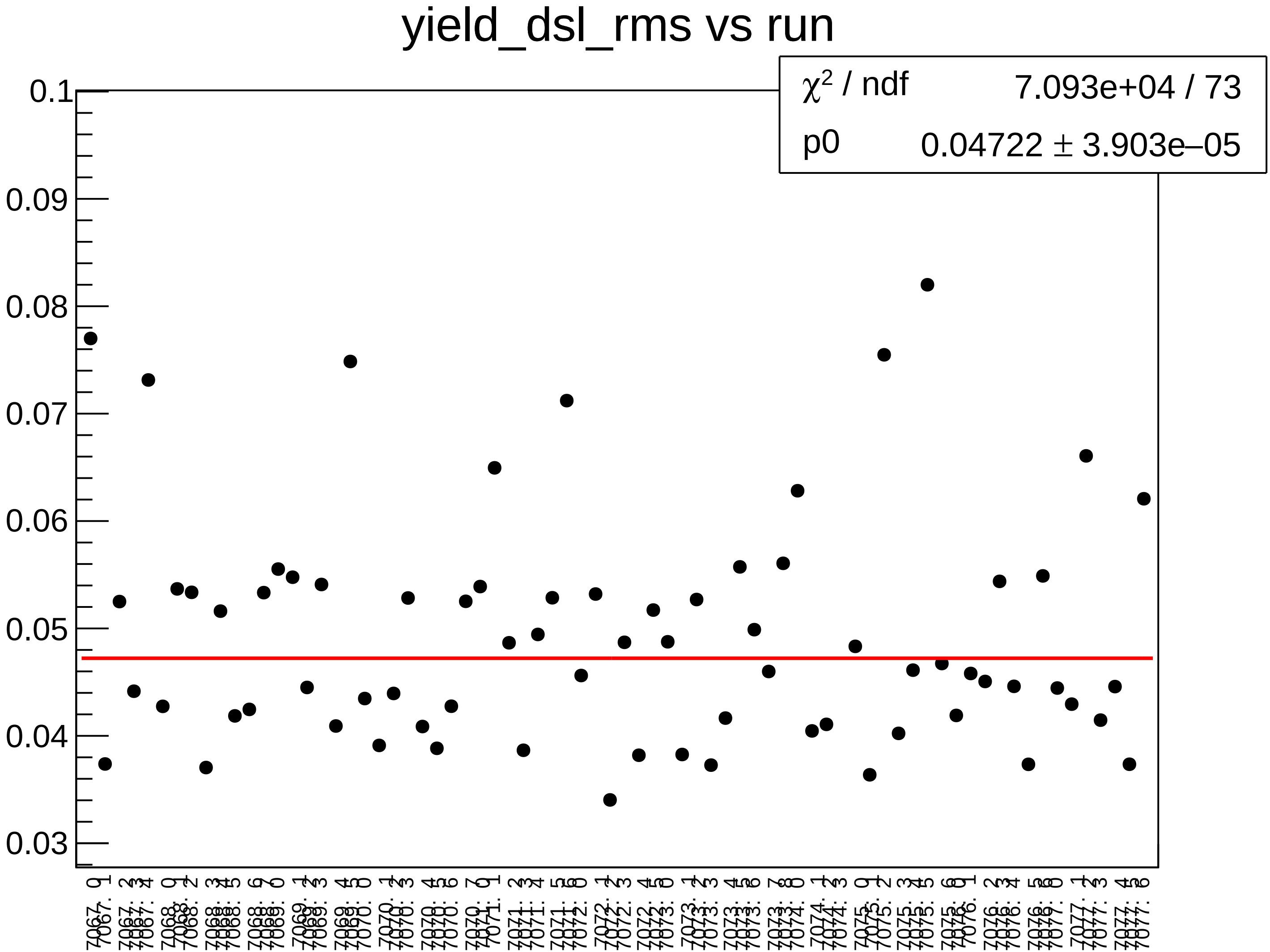
yield_usl_rms vs run
χ2 / ndf 1.226e+05 / 73
p0 0.08312 ± 6.994e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05



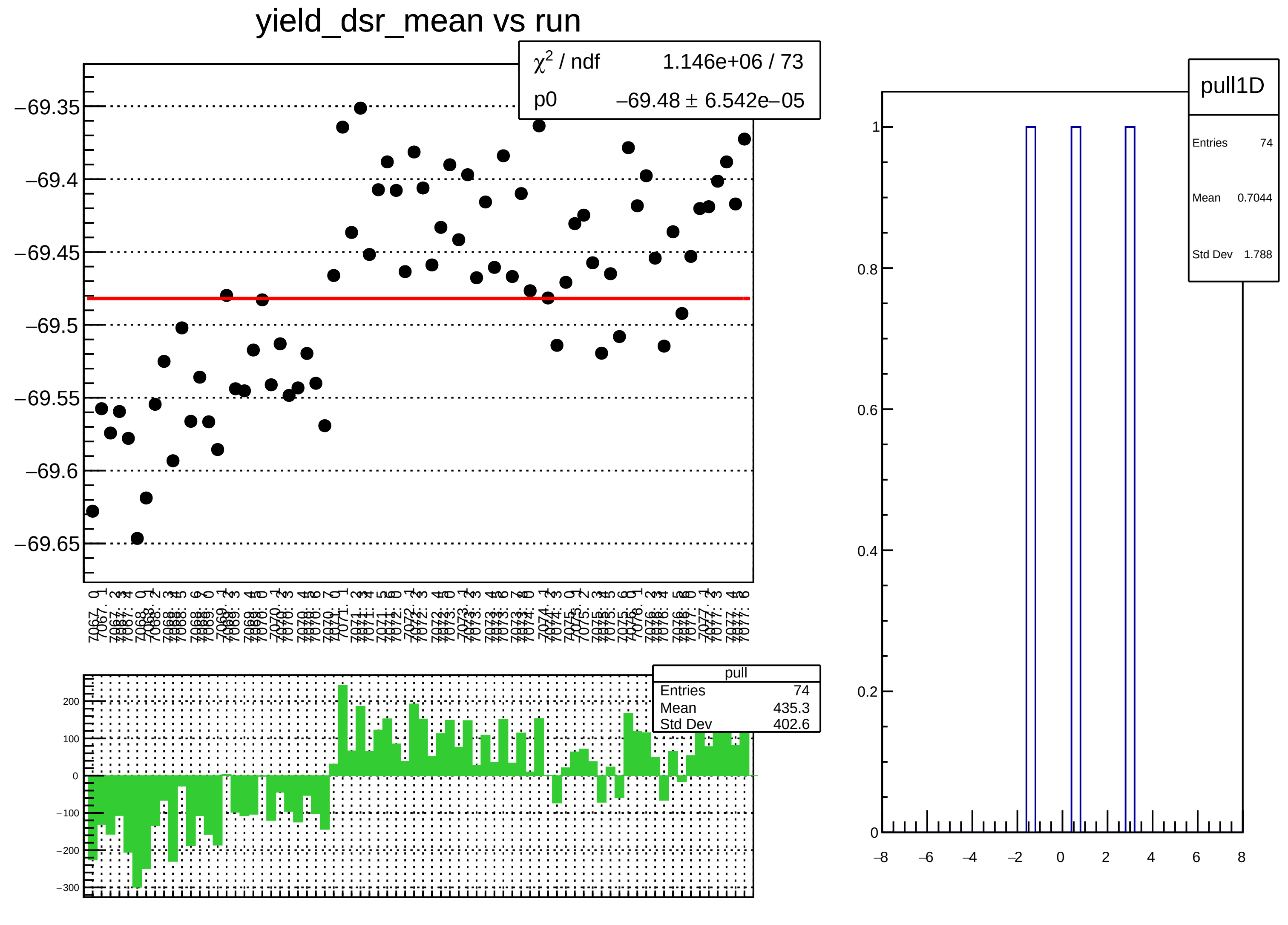
yield_usr_mean vs run
χ^2 / ndf 4.358e+05 / 73
p0 32.38 ± 0.0001021
pull
Entries 74
Mean 37.11
Std Dev 29.26
pull1D
Entries 74
Mean 2.888
Std Dev 2.654


yield_usr_rms vs run
χ^2 / ndf 1.152e+05 / 73
p0 0.08605 ± 7.221e−05
0.25
0.2
0.15
0.1
0.05

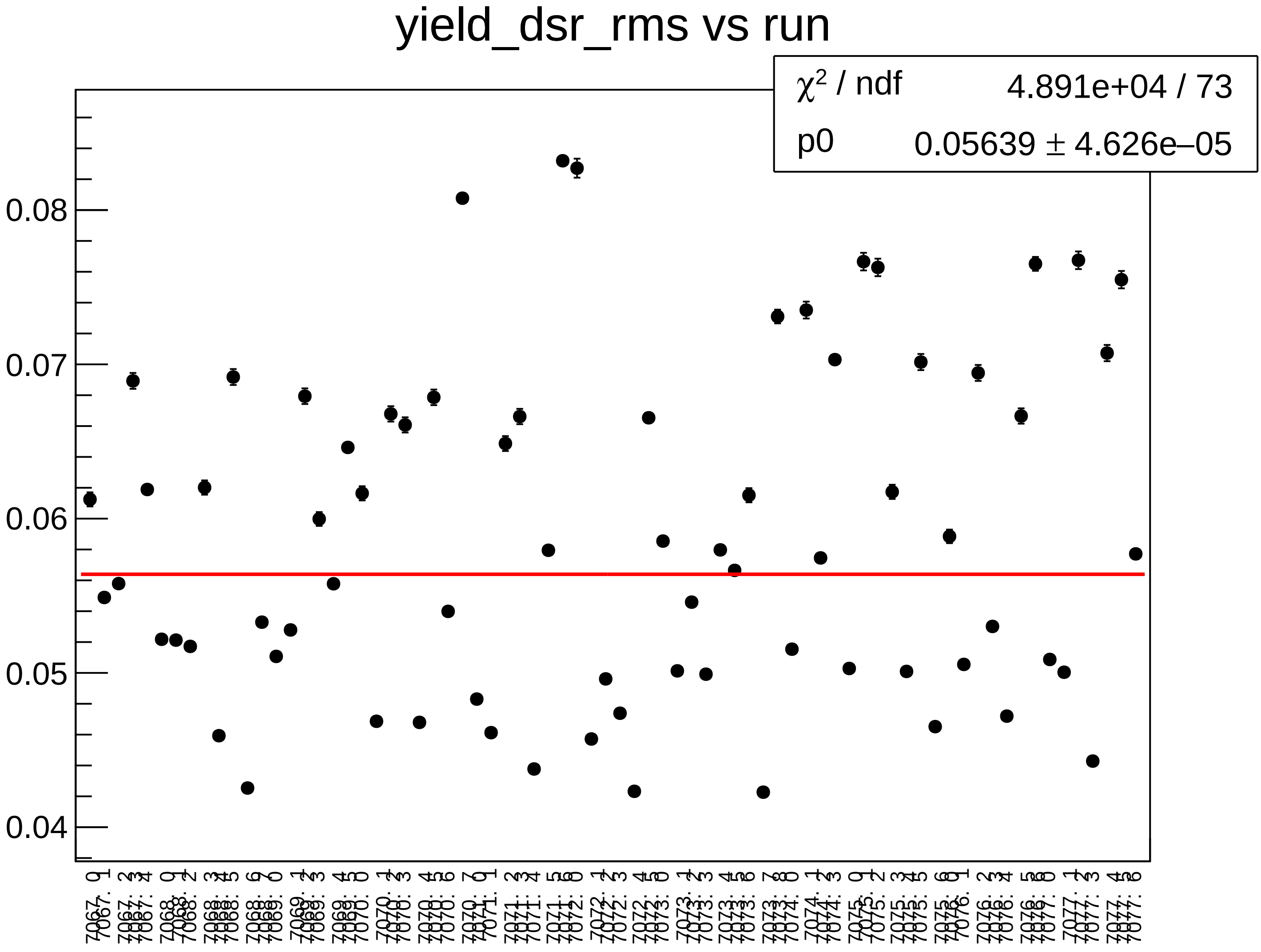

yield_dsl_mean vs run
χ^2 / ndf 2.022e+06 / 73
p0 84.62 ± 5.519e−05
84.85
84.8
84.75
84.7
84.65
84.6
84.55
84.5
84.45
pull
Entries 74
Mean 421.3
Std Dev 381.9
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 74
Mean 2.009
Std Dev 0.5814
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

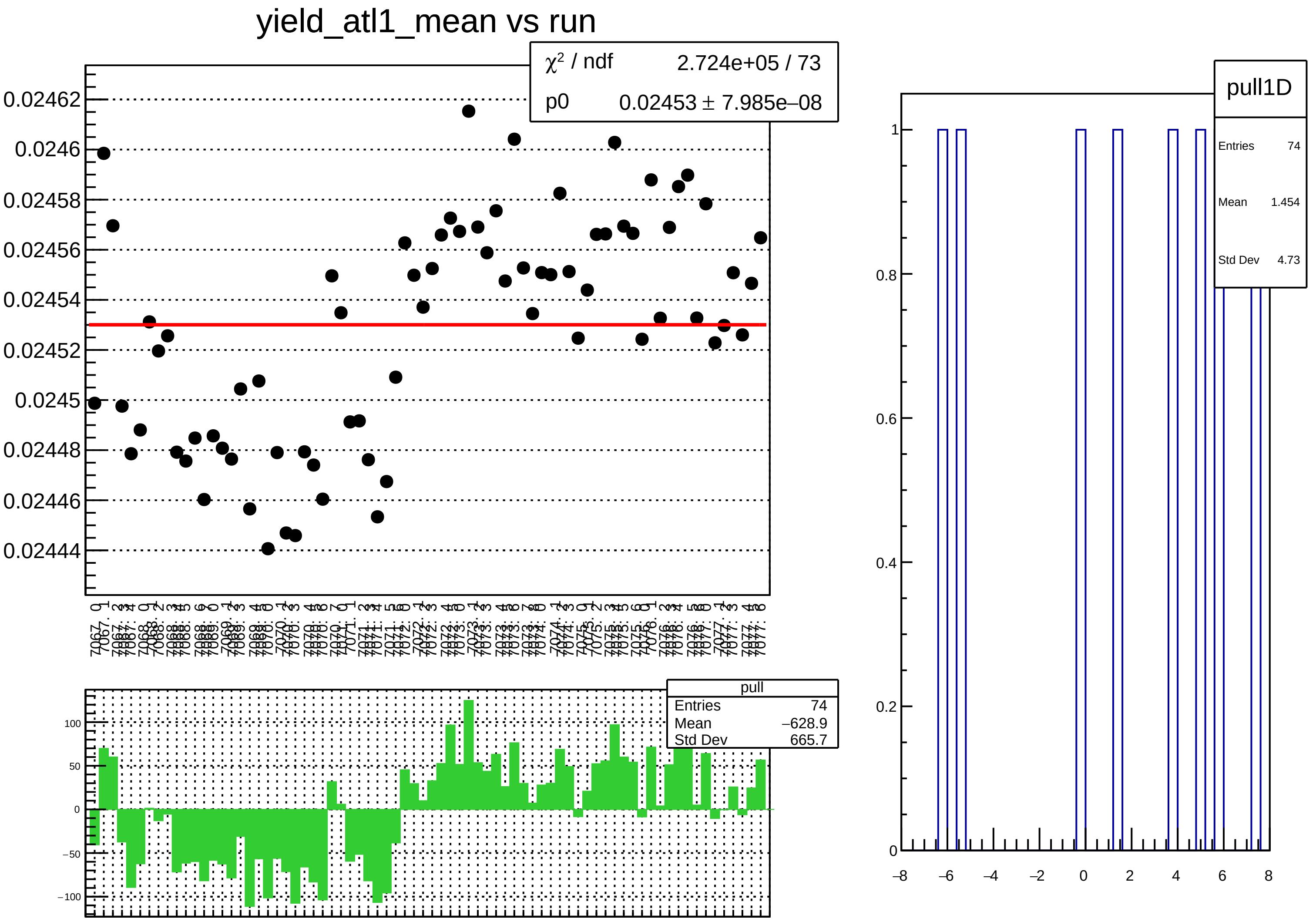


yield_dsl_rms vs run
χ^2 / ndf 7.093e+04 / 73
p0 0.04722 ± 3.903e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03

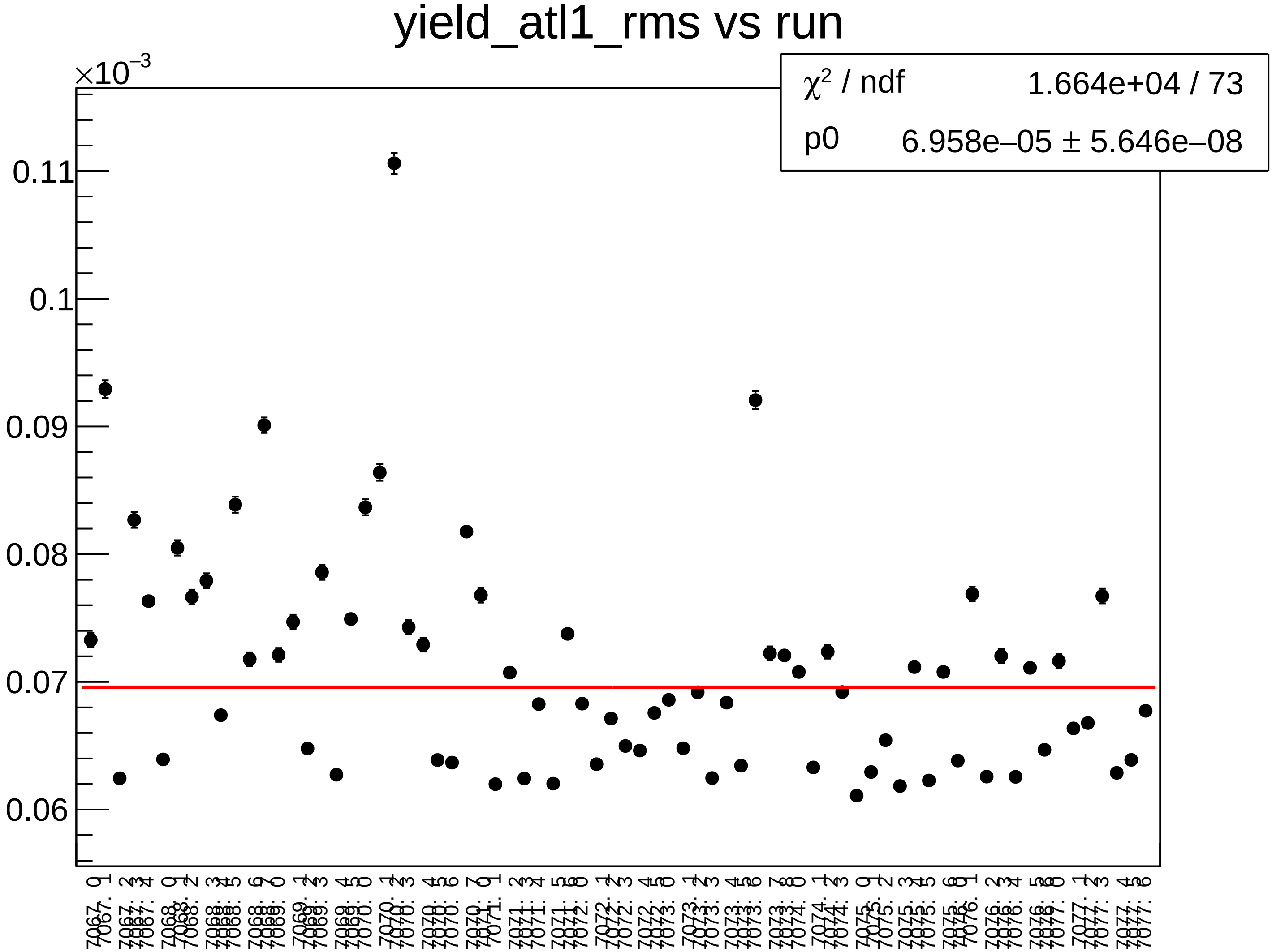


yield_dsr_mean vs run
χ^2 / ndf 1.146e+06 / 73
p0 −69.48 ± 6.542e−05
pull
Entries 74
Mean 435.3
Std Dev 402.6
pull1D
Entries 74
Mean 0.7044
Std Dev 1.788

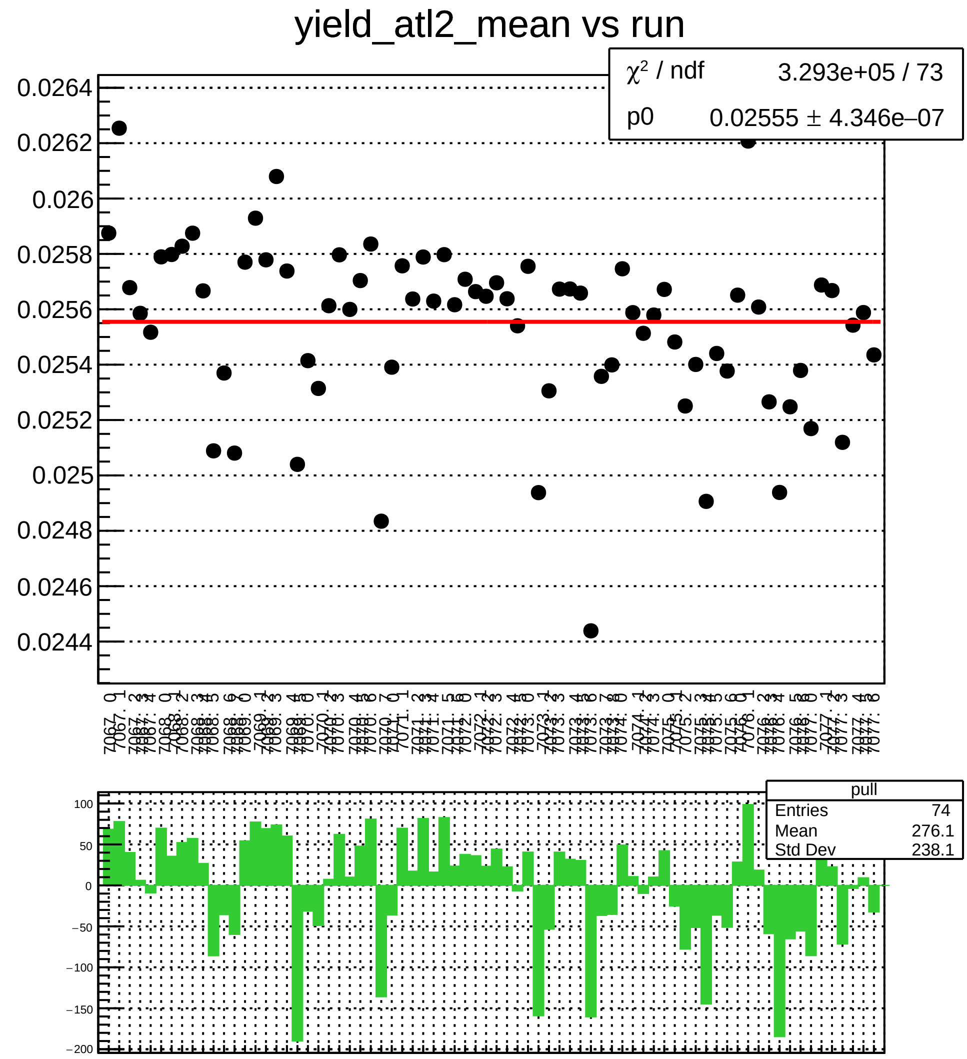

yield_dsr_rms vs run
χ^2 / ndf 4.891e+04 / 73
p0 0.05639 ± 4.626e−05
0.08
0.07
0.06
0.05
0.04



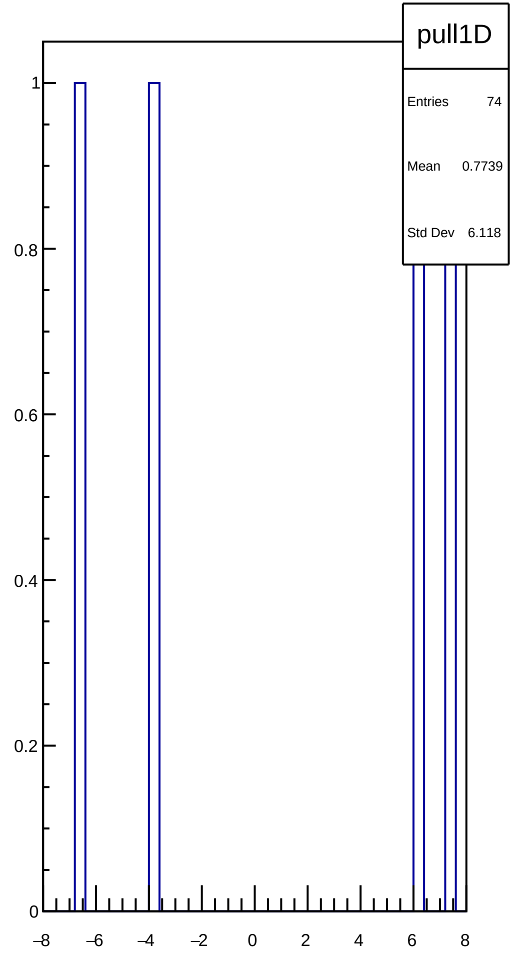
yield_atl1_mean vs run
χ^2 / ndf 2.724e+05 / 73
p0 0.02453 ± 7.985e−08
0.02462
0.0246
0.02458
0.02456
0.02454
0.02452
0.0245
0.02448
0.02446
0.02444
pull
Entries 74
Mean −628.9
Std Dev 665.7
100
50
0
−50
−100
pull1D
Entries 74
Mean 1.454
Std Dev 4.73
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



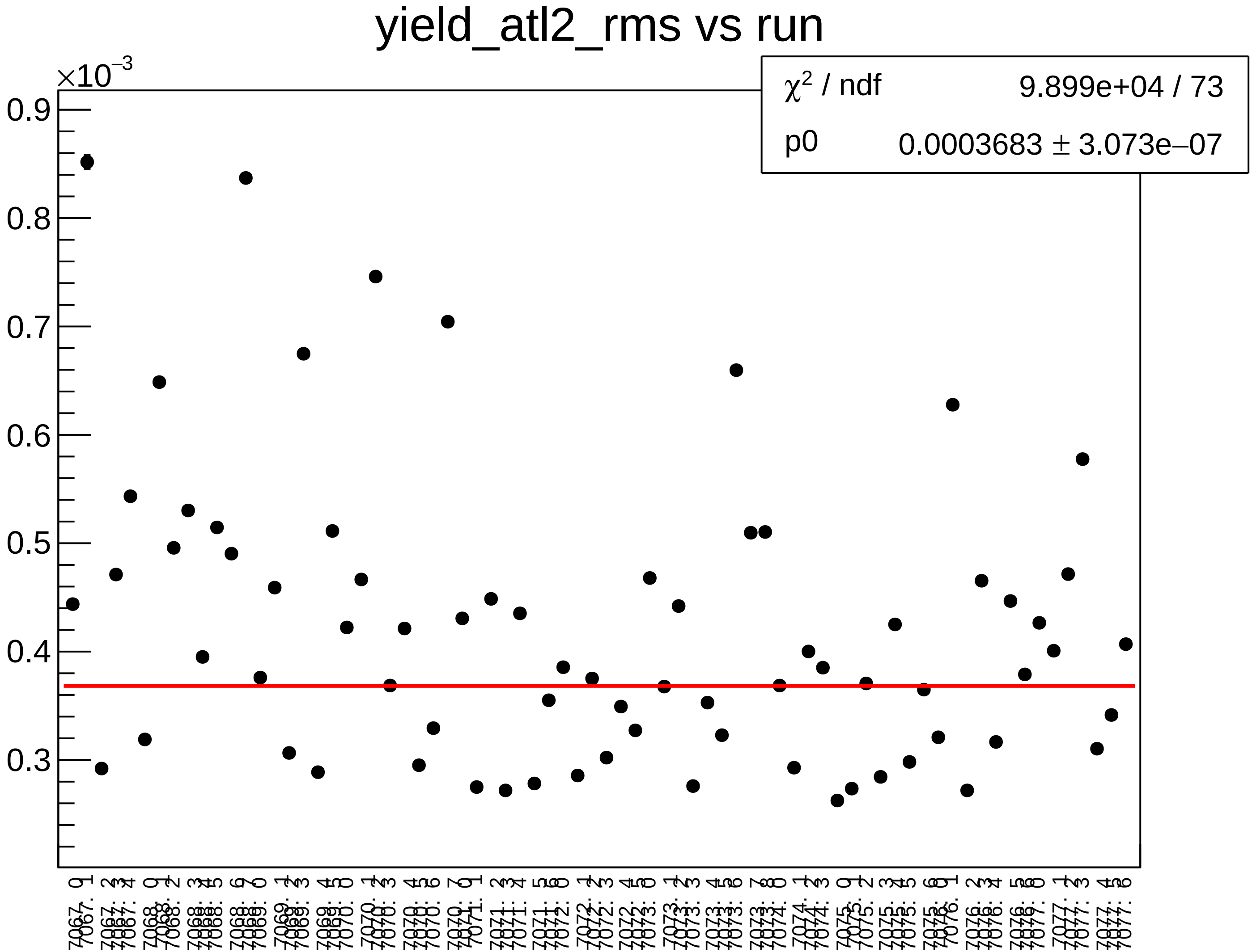
yield_atl1_rms vs run
$\times10^{-3}$
χ^2 / ndf 1.664e+04 / 73
p0 6.958e−05 ± 5.646e−08
0.11
0.1
0.09
0.08
0.07
0.06



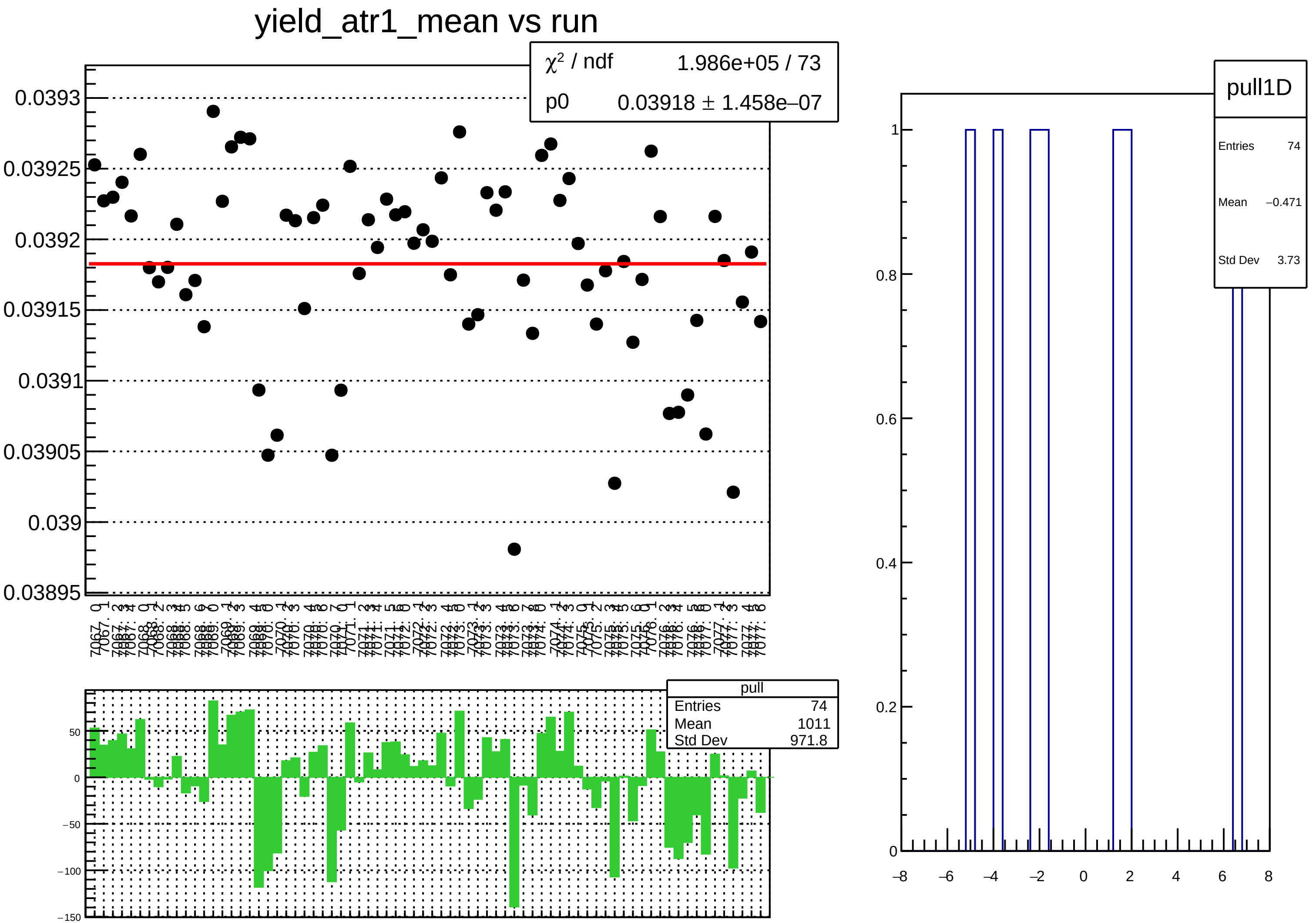
yield_atl2_mean vs run
χ^2 / ndf 3.293e+05 / 73
p0 0.02555 ± 4.346e−07
pull
Entries 74
Mean 276.1
Std Dev 238.1

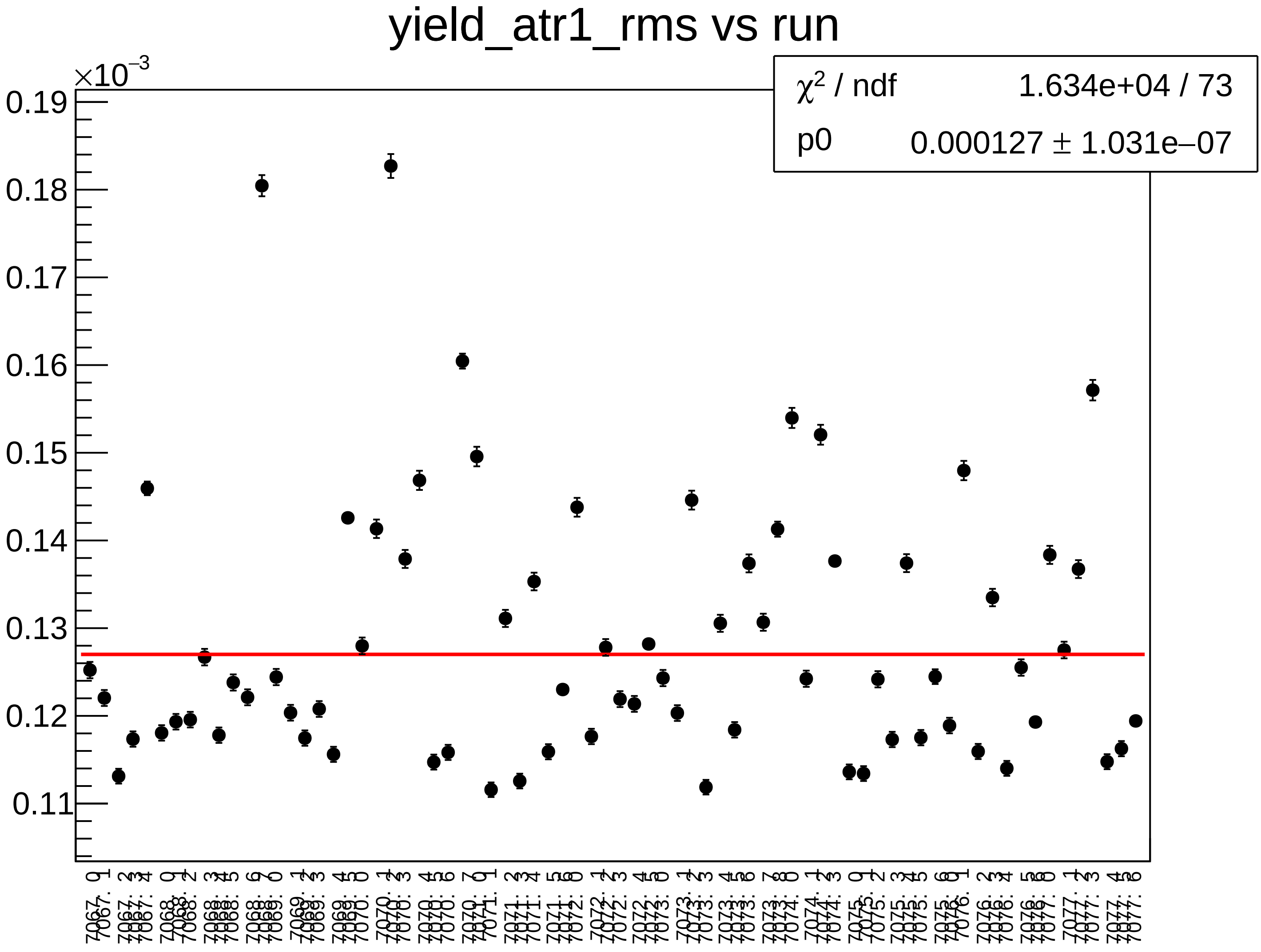


pull1D
Entries 74
Mean 0.7739
Std Dev 6.118

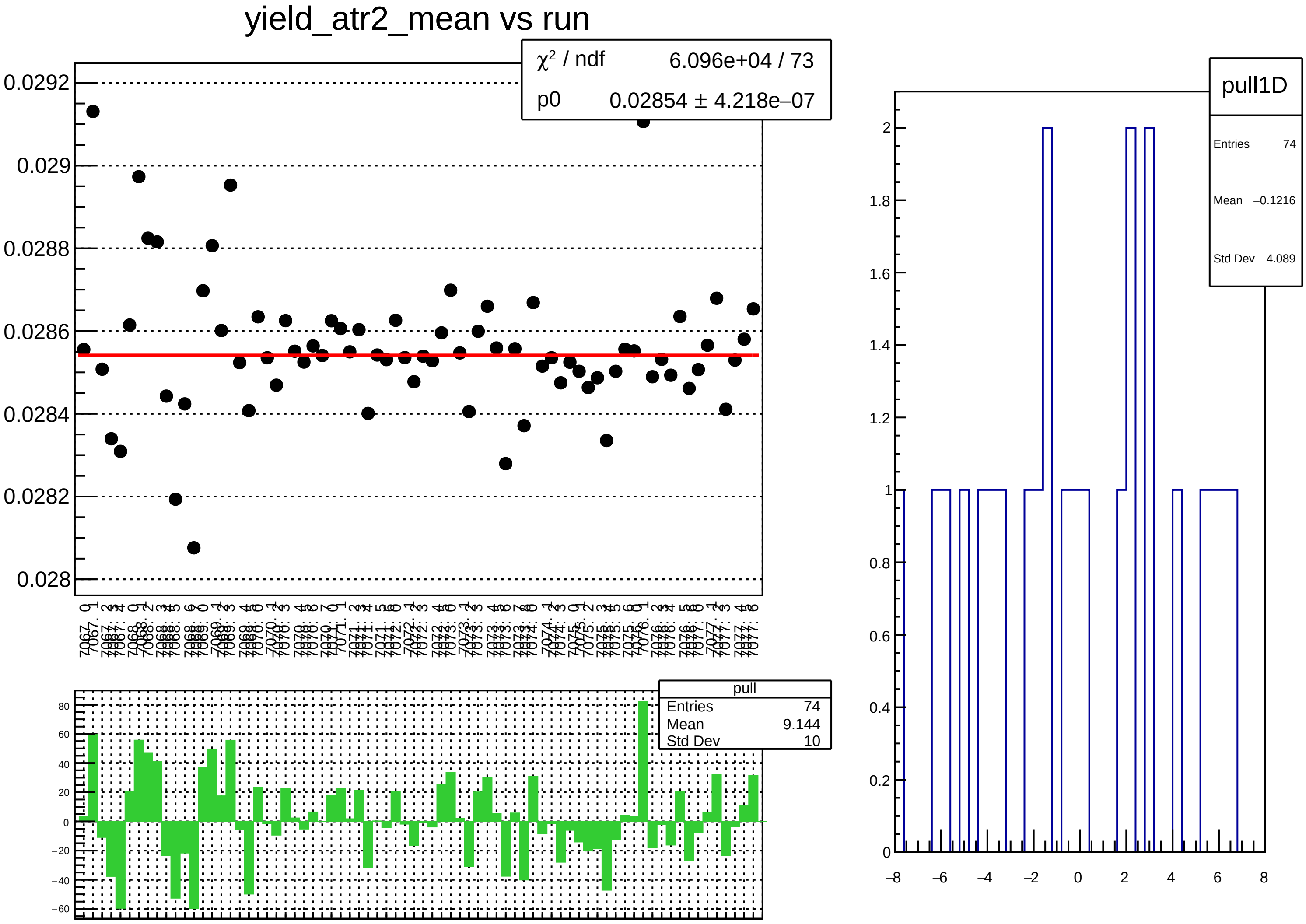


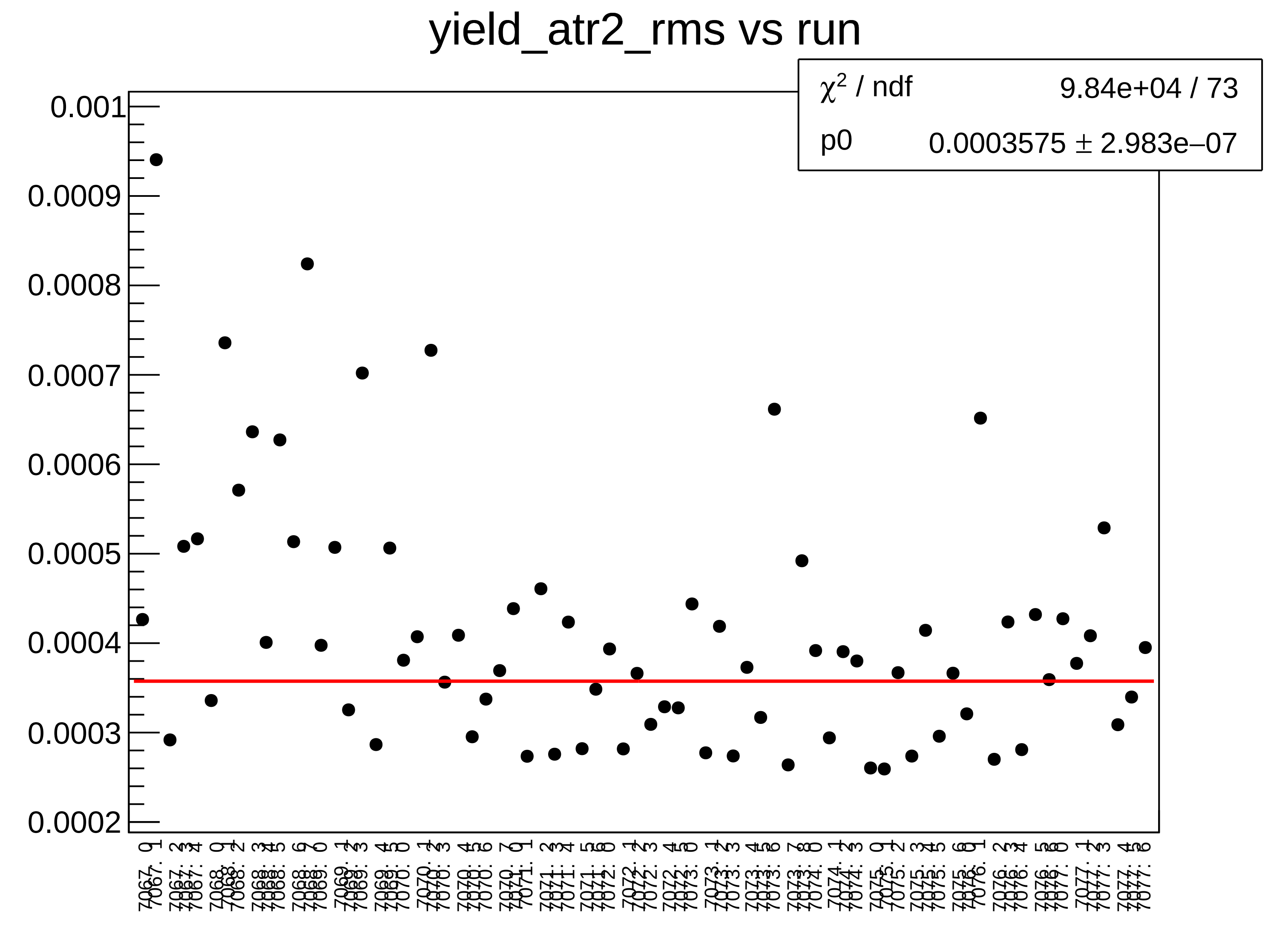
yield_atl2_rms vs run
×10^-3
χ2 / ndf 9.899e+04 / 73
p0 0.0003683 ± 3.073e−07
0.9
0.8
0.7
0.6
0.5
0.4
0.3


yield_atr1_mean vs run
χ2 / ndf 1.986e+05 / 73
p0 0.03918 ± 1.458e−07
pull
Entries 74
Mean 1011
Std Dev 971.8
pull1D
Entries 74
Mean −0.471
Std Dev 3.73

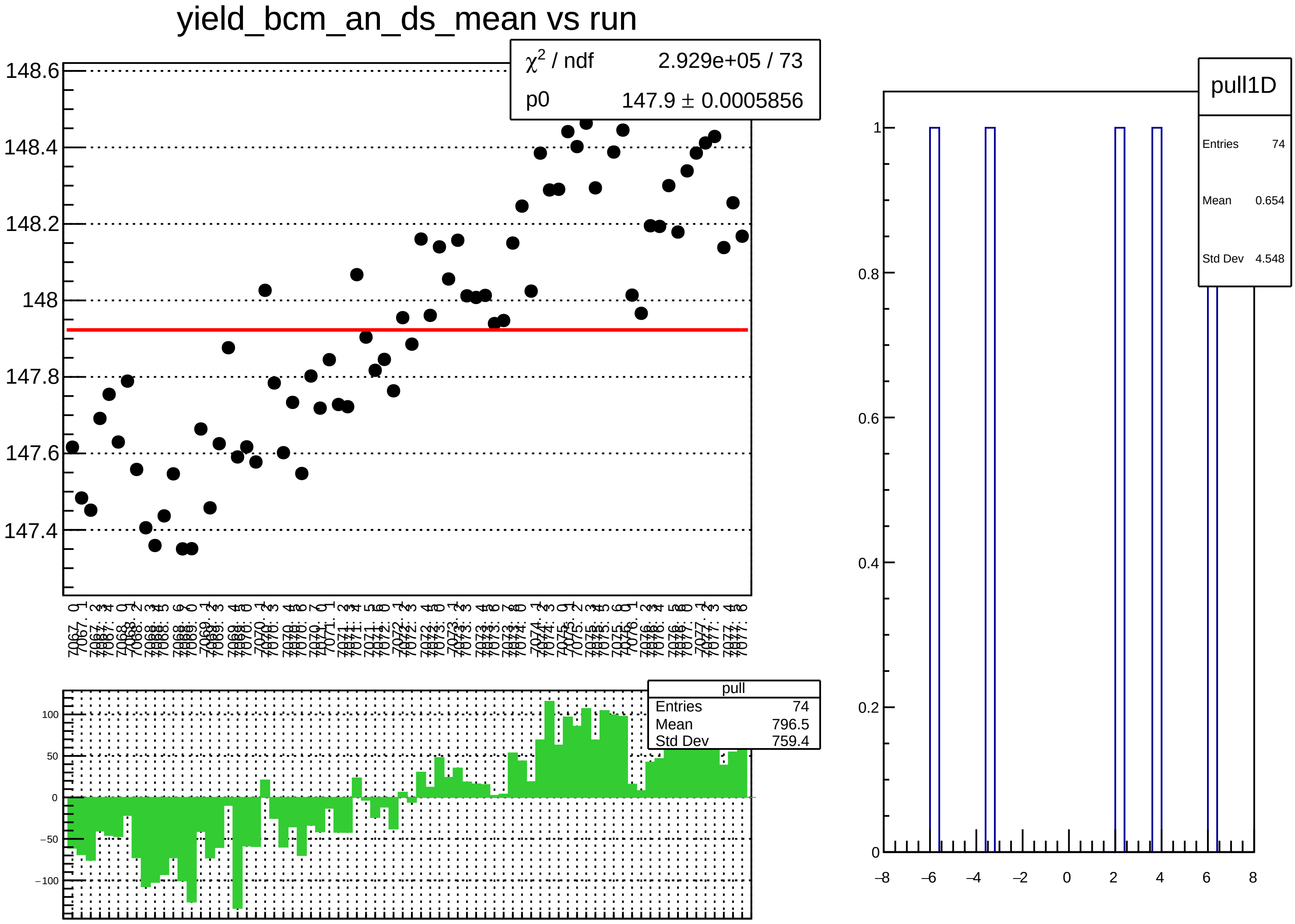


yield_atr1_rms vs run
$\times10^{-3}$
χ^2 / ndf 1.634e+04 / 73
p0 0.000127 ± 1.031e−07
0.19
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11

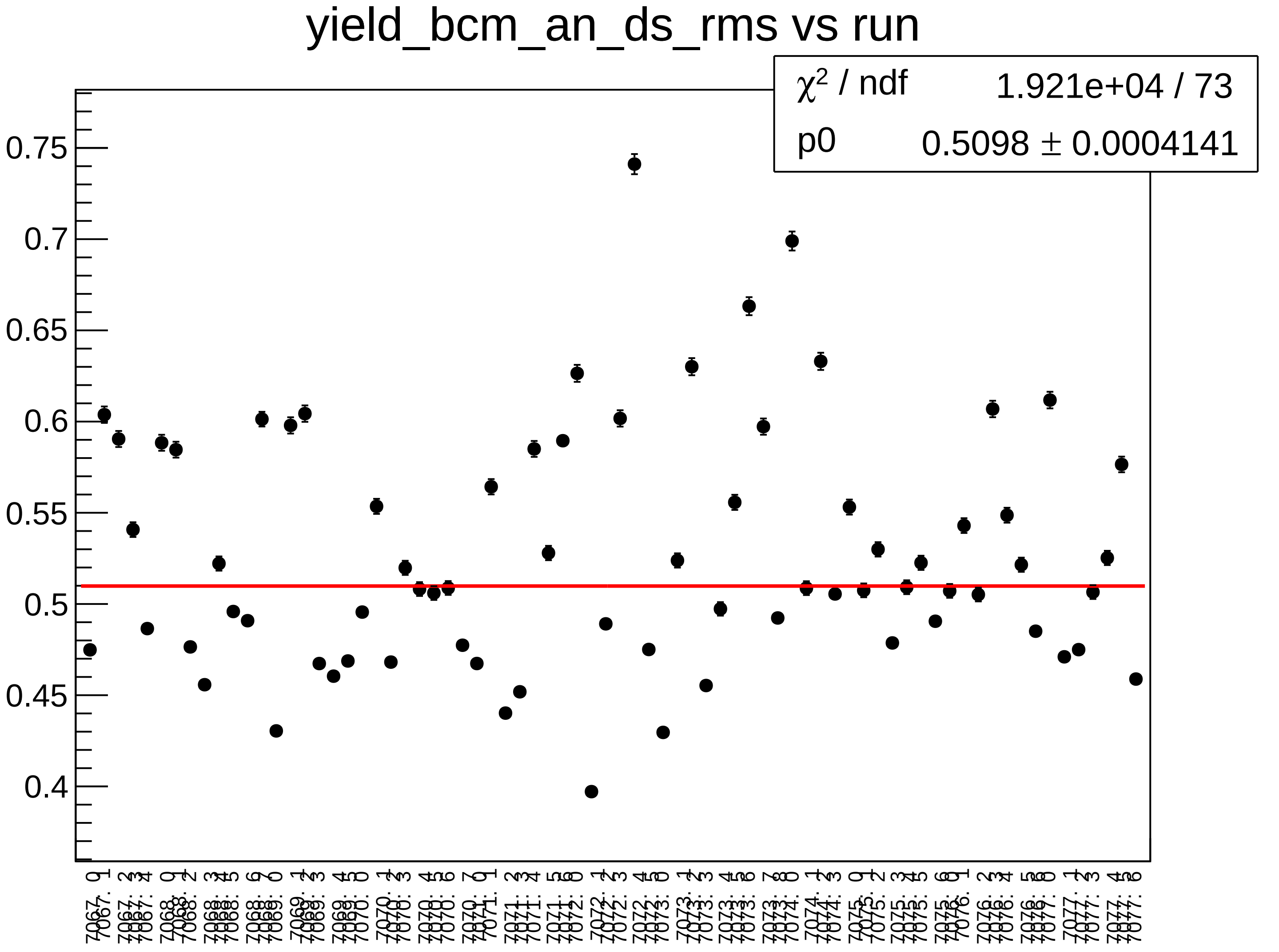

yield_atr2_mean vs run
χ2 / ndf 6.096e+04 / 73
p0 0.02854 ± 4.218e−07
0.0292
0.029
0.0288
0.0286
0.0284
0.0282
0.028
pull
Entries 74
Mean 9.144
Std Dev 10
80
60
40
20
0
−20
−40
−60
pull1D
Entries 74
Mean −0.1216
Std Dev 4.089
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



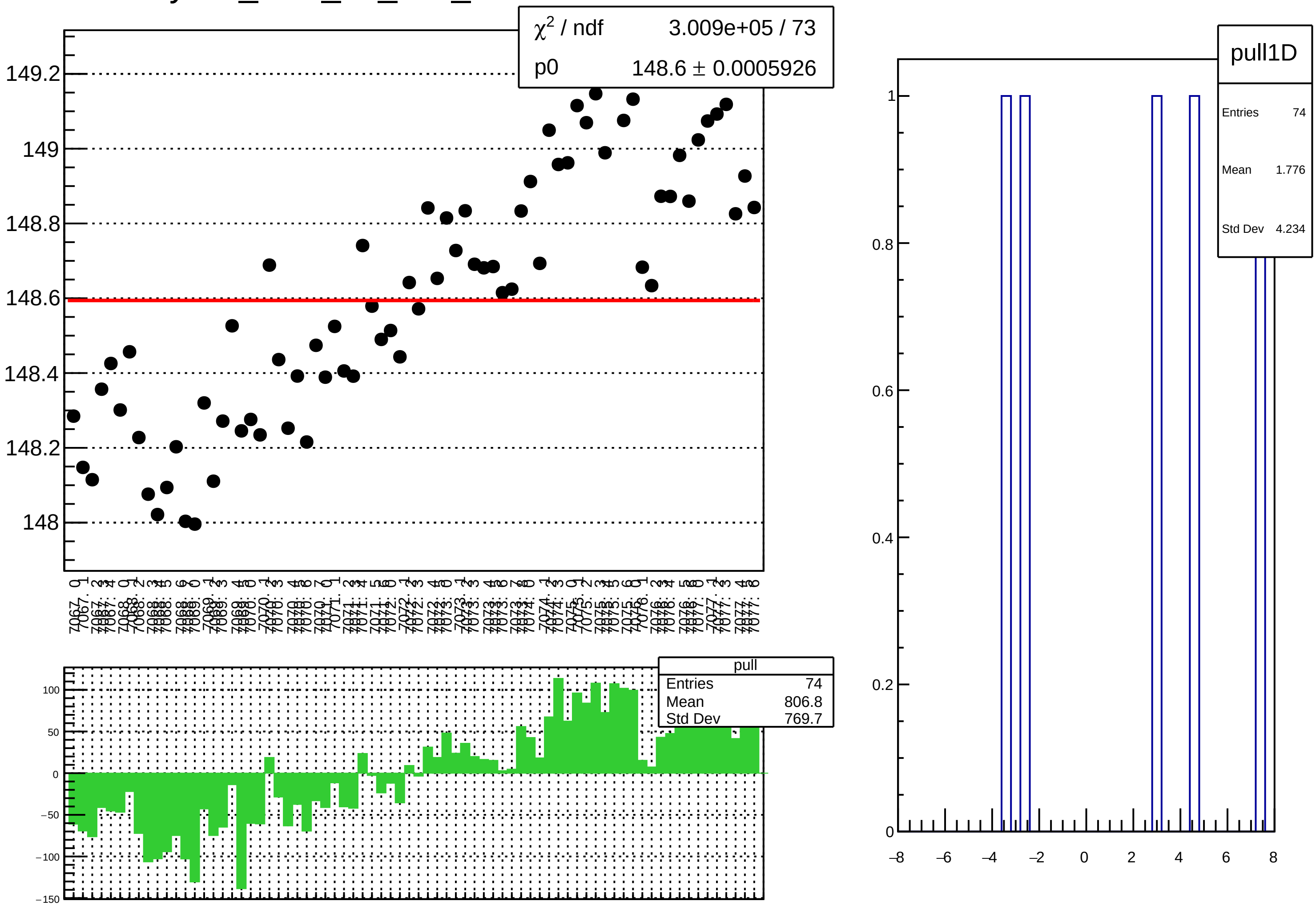
yield_atr2_rms vs run
χ2 / ndf 9.84e+04 / 73
p0 0.0003575 ± 2.983e−07
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002

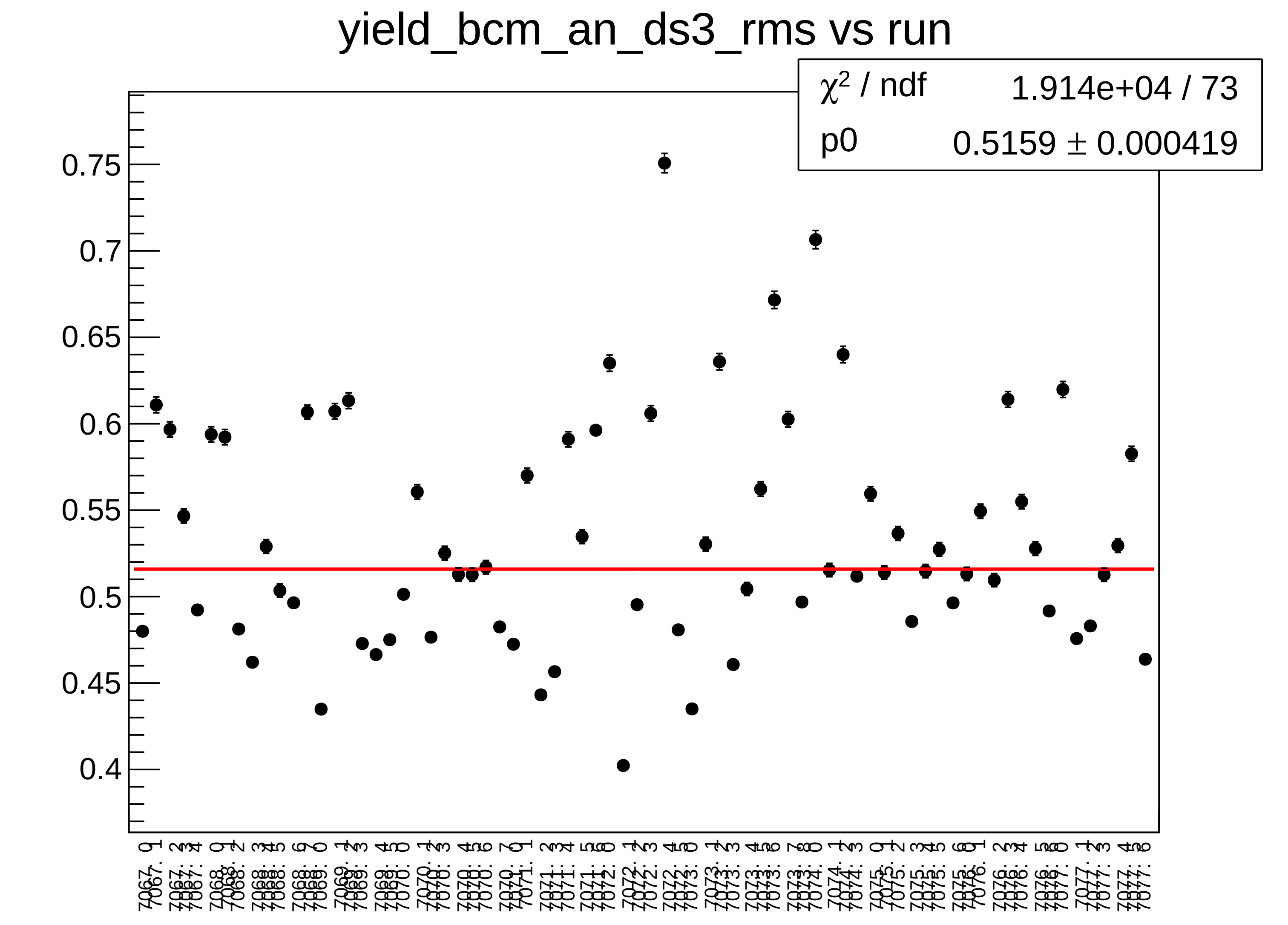


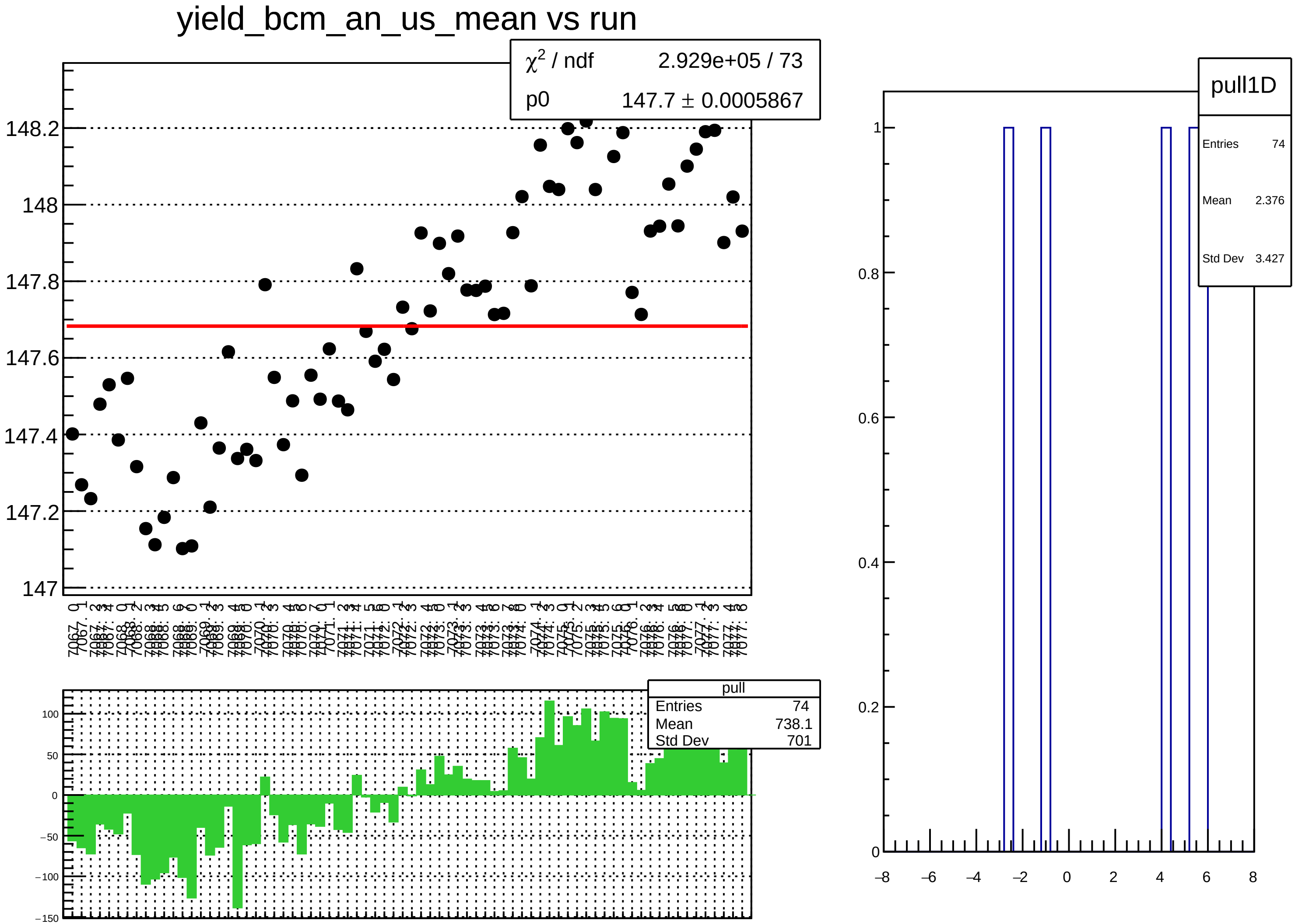
yield_bcm_an_ds_mean vs run
χ2 / ndf 2.929e+05 / 73
p0 147.9 ± 0.0005856
pull
Entries 74
Mean 796.5
Std Dev 759.4
pull1D
Entries 74
Mean 0.654
Std Dev 4.548


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

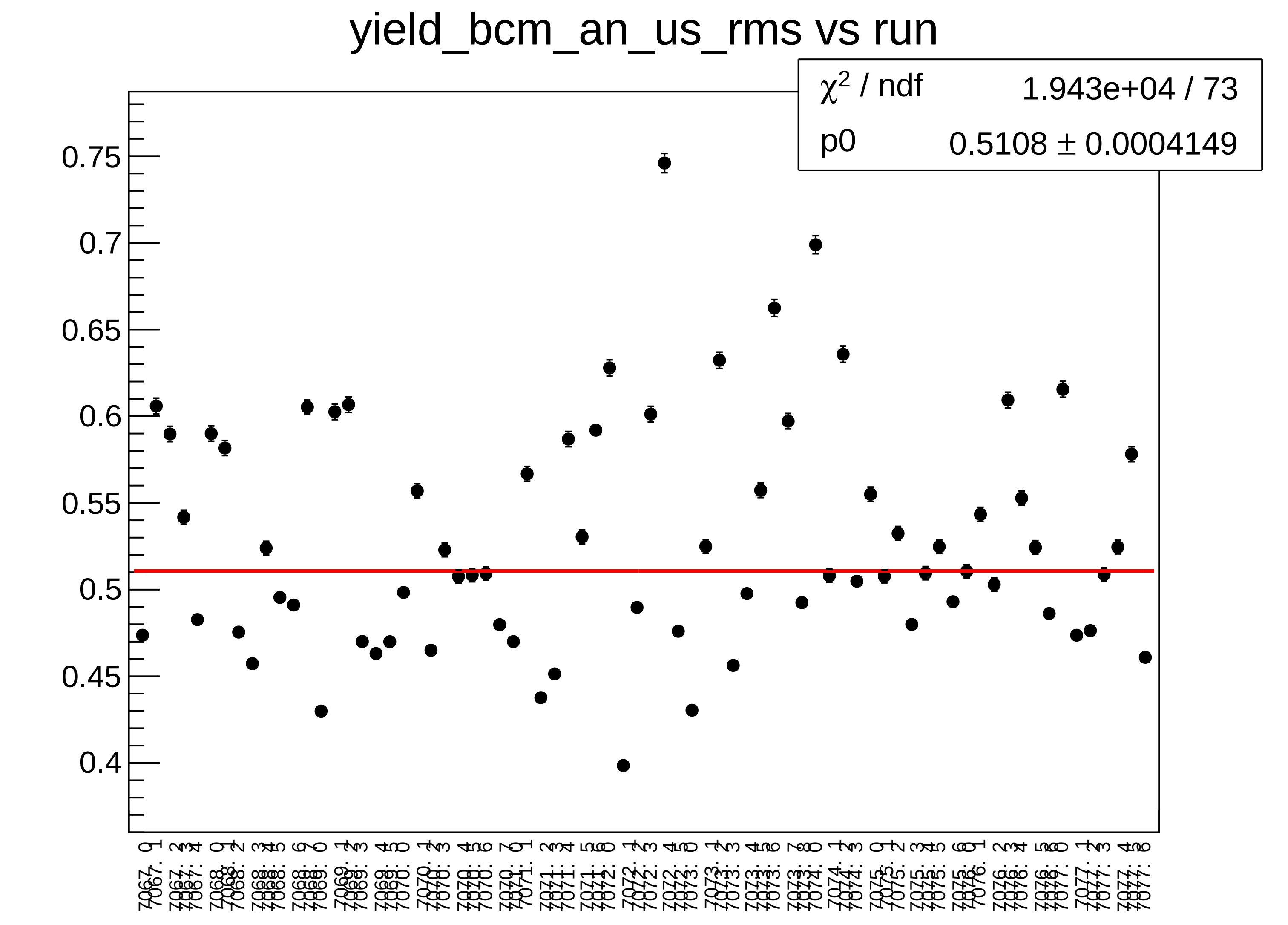
yield_bcm_an_ds3_mean vs run



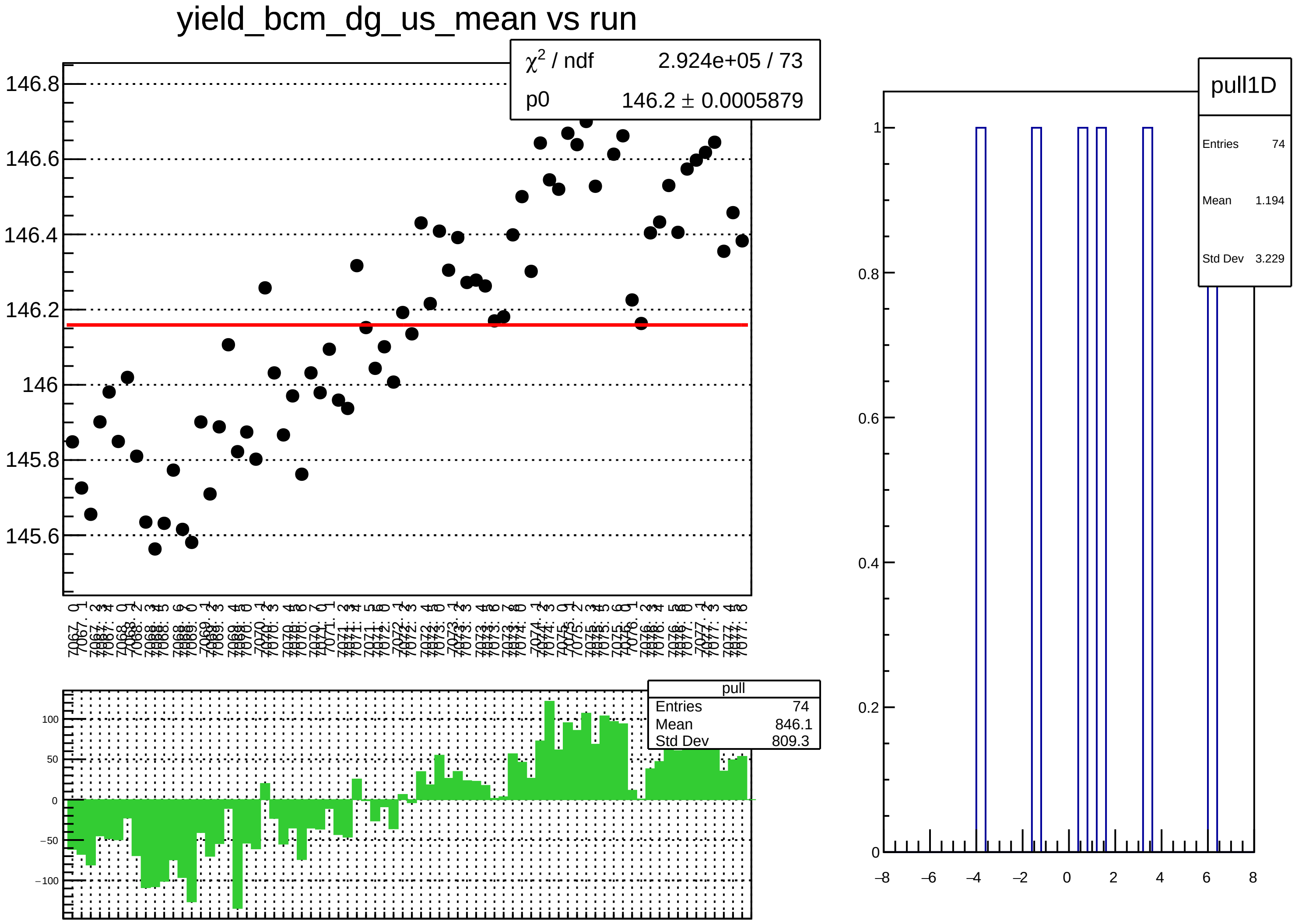

yield_bcm_an_ds3_rms vs run
χ2 / ndf 1.914e+04 / 73
p0 0.5159 ± 0.000419
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4



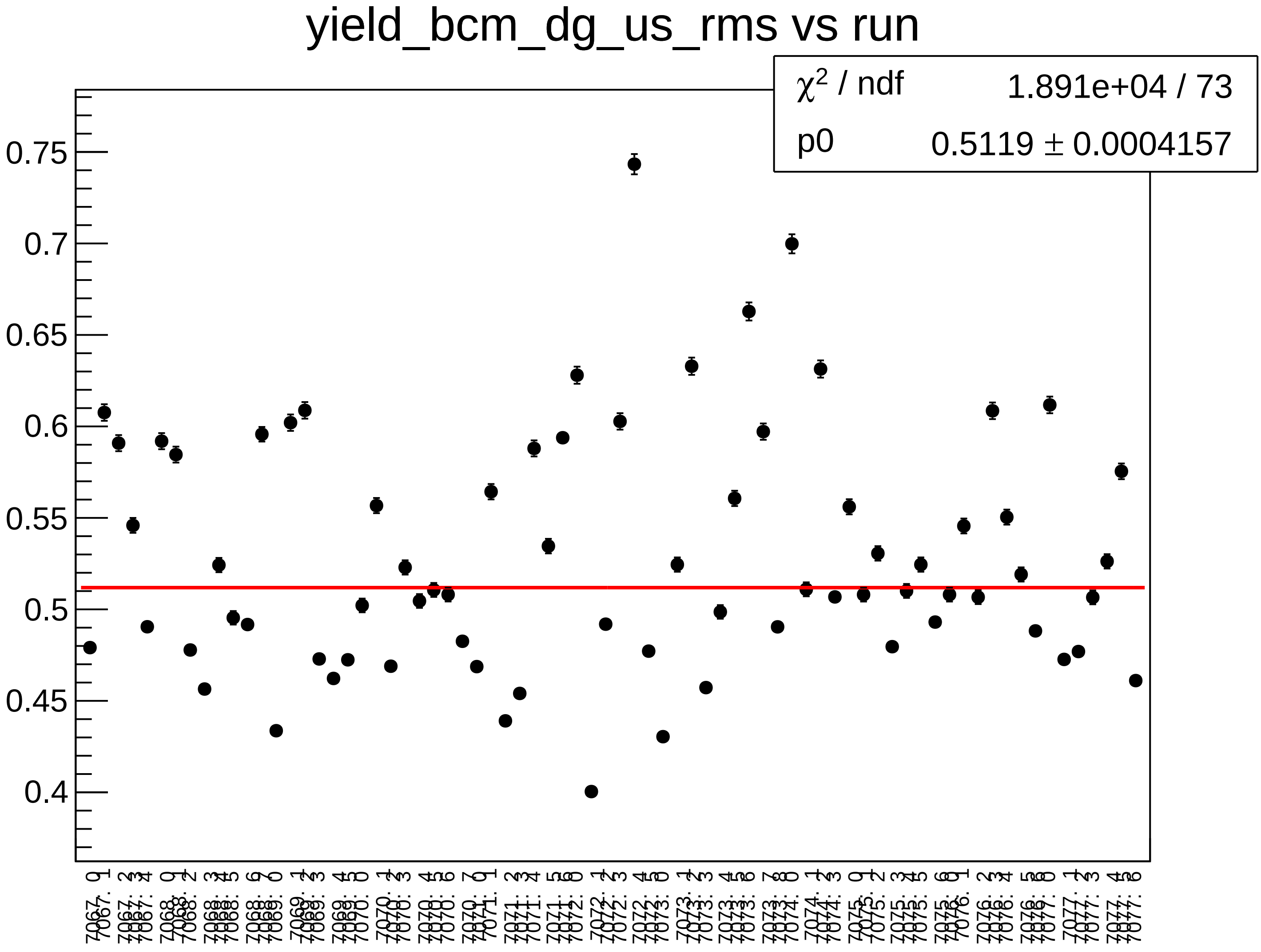
yield_bcm_an_us_mean vs run
χ^2 / ndf 2.929e+05 / 73
p0 147.7 ± 0.0005867
pull
Entries 74
Mean 738.1
Std Dev 701
pull1D
Entries 74
Mean 2.376
Std Dev 3.427



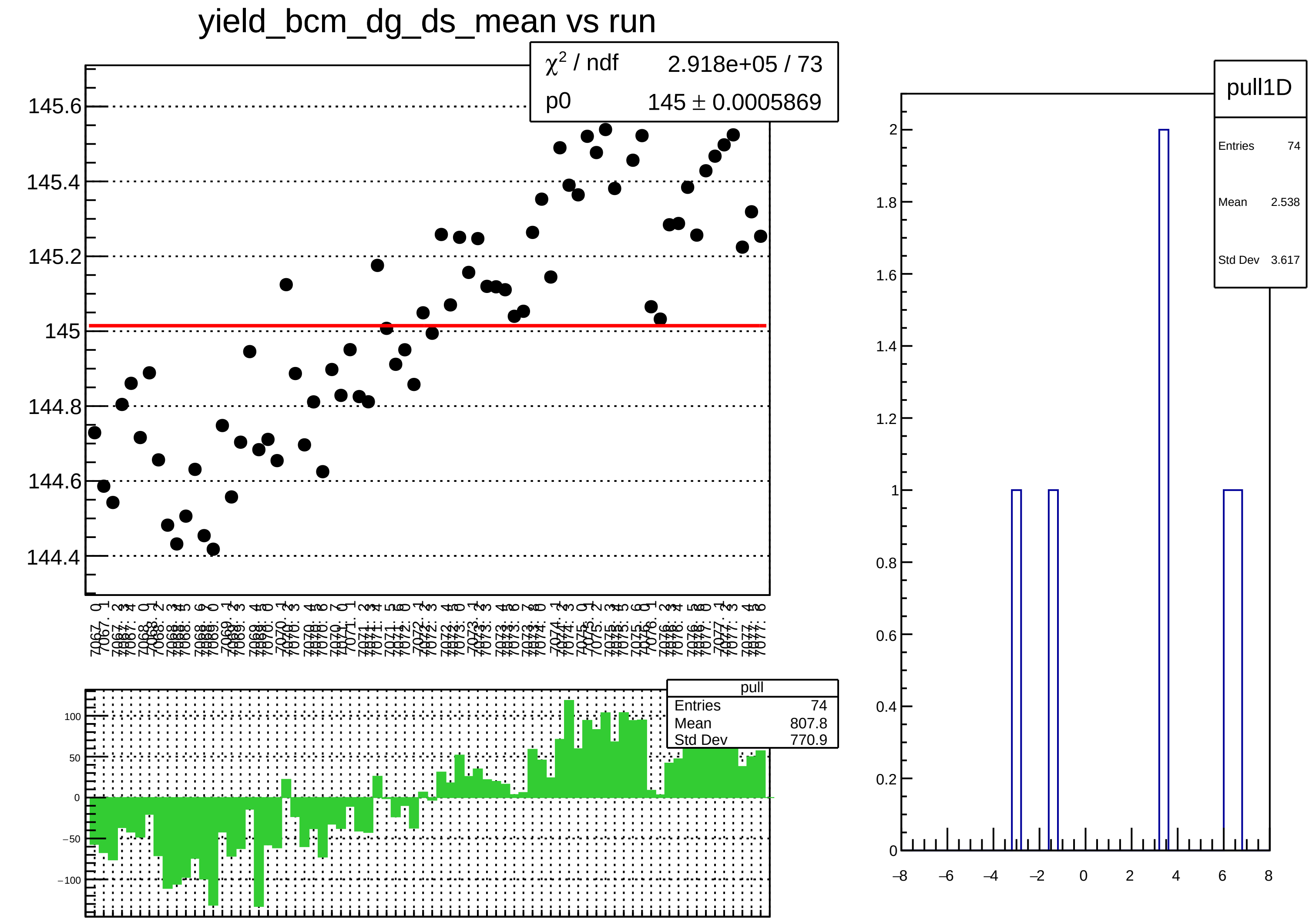
yield_bcm_an_us_rms vs run
χ^2 / ndf 1.943e+04 / 73
p0 0.5108 ± 0.0004149
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4

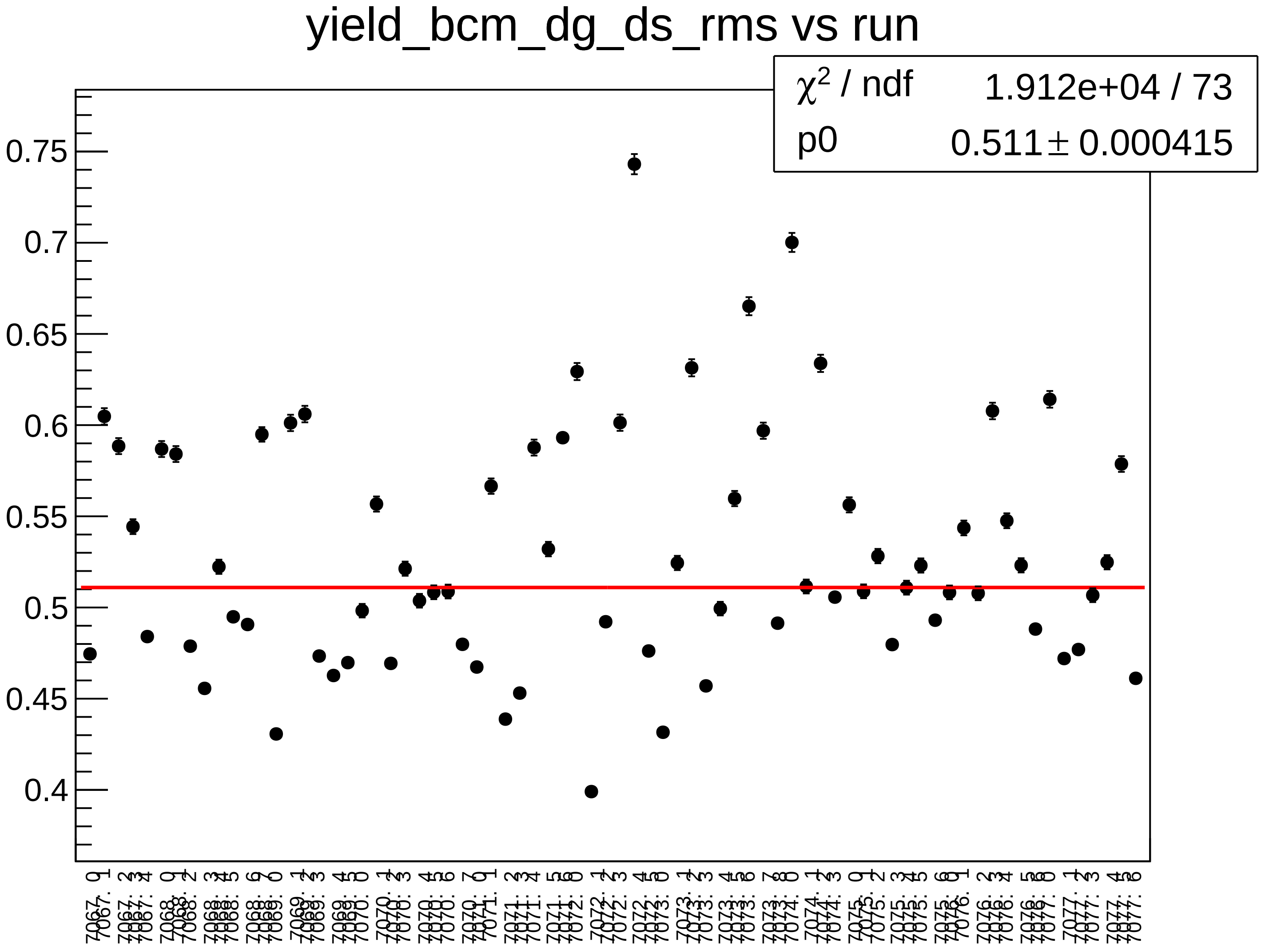


yield_bcm_dg_us_mean vs run
χ2 / ndf 2.924e+05 / 73
p0 146.2 ± 0.0005879
pull
Entries 74
Mean 846.1
Std Dev 809.3
pull1D
Entries 74
Mean 1.194
Std Dev 3.229

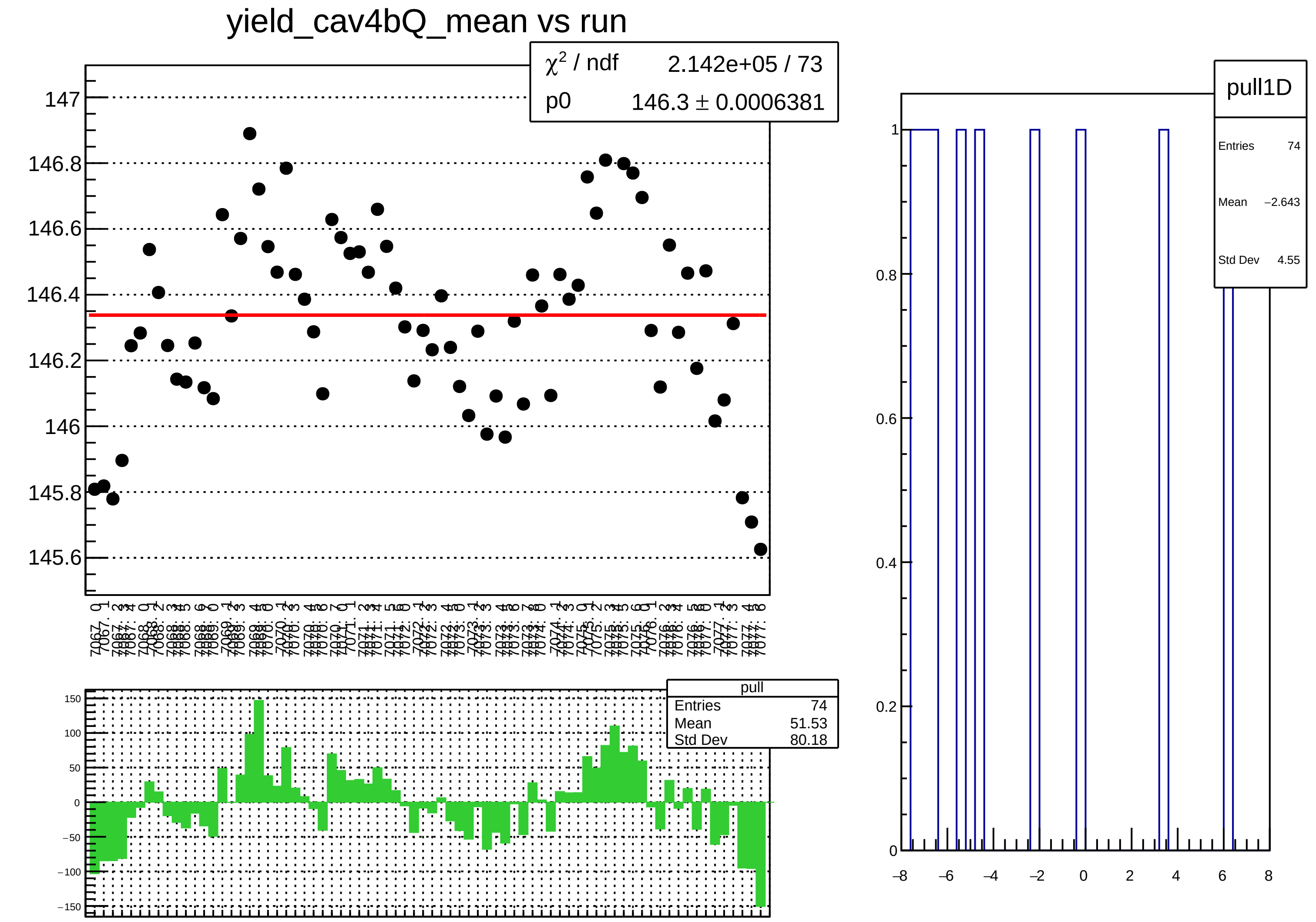


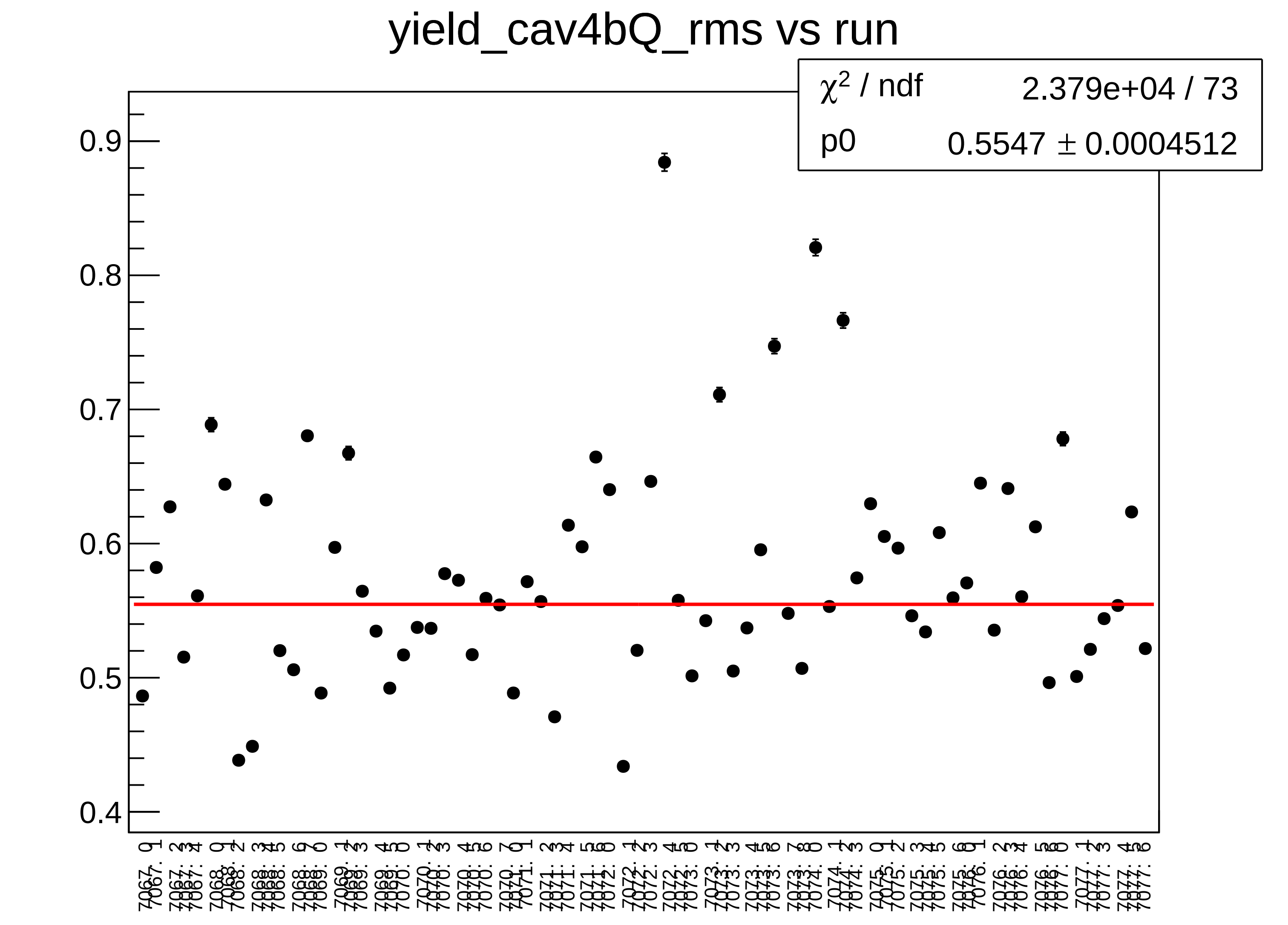
yield_bcm_dg_us_rms vs run
χ^2 / ndf 1.891e+04 / 73
p0 0.5119 ± 0.0004157
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4


yield_bcm_dg_ds_mean vs run
χ^2 / ndf 2.918e+05 / 73
p0 145 ± 0.0005869
145.6
145.4
145.2
145
144.8
144.6
144.4
pull
Entries 74
Mean 807.8
Std Dev 770.9
100
50
0
−50
−100
pull1D
Entries 74
Mean 2.538
Std Dev 3.617
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

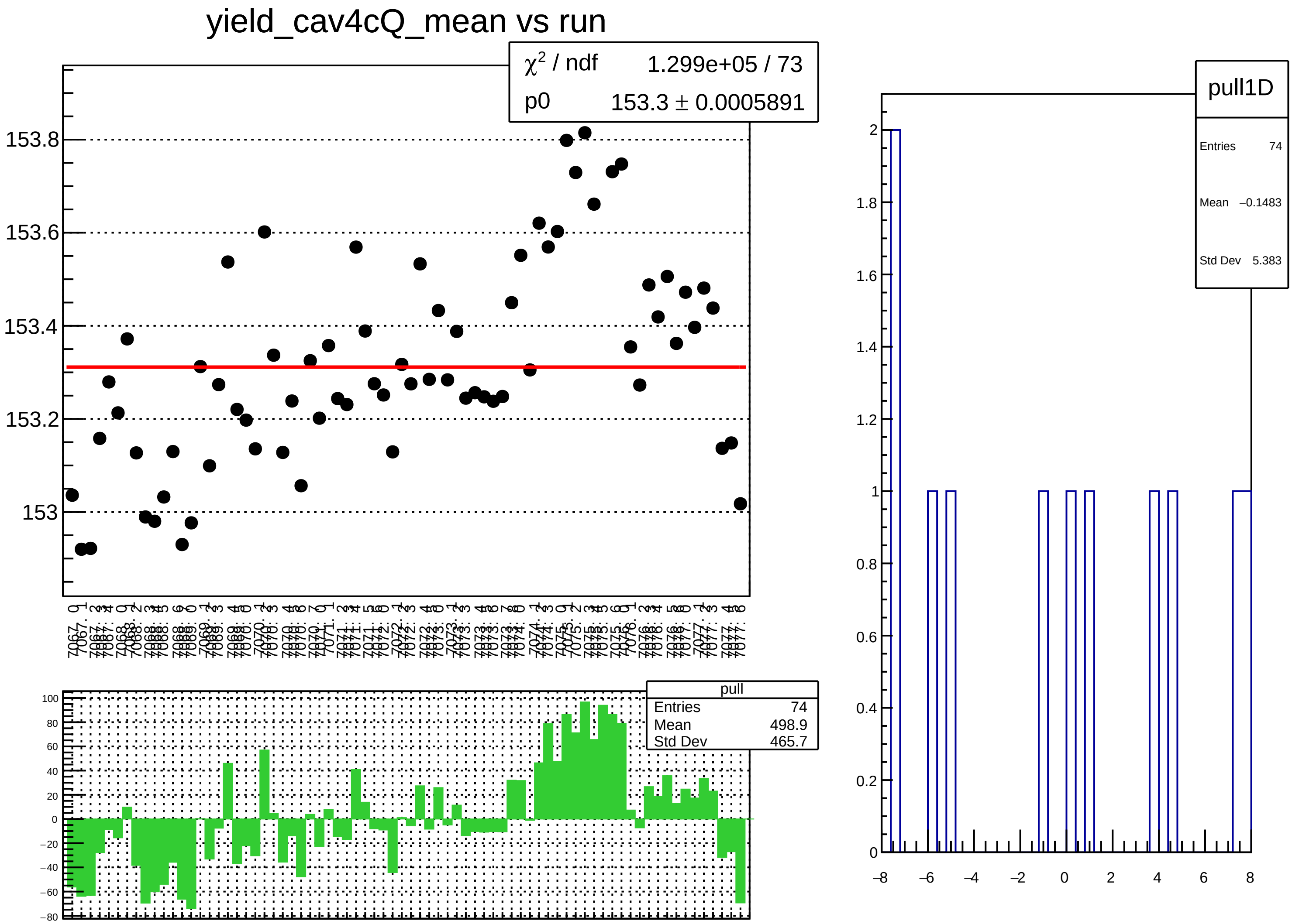


yield_bcm_dg_ds_rms vs run
χ^2 / ndf 1.912e+04 / 73
p0 0.511 ± 0.000415
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4

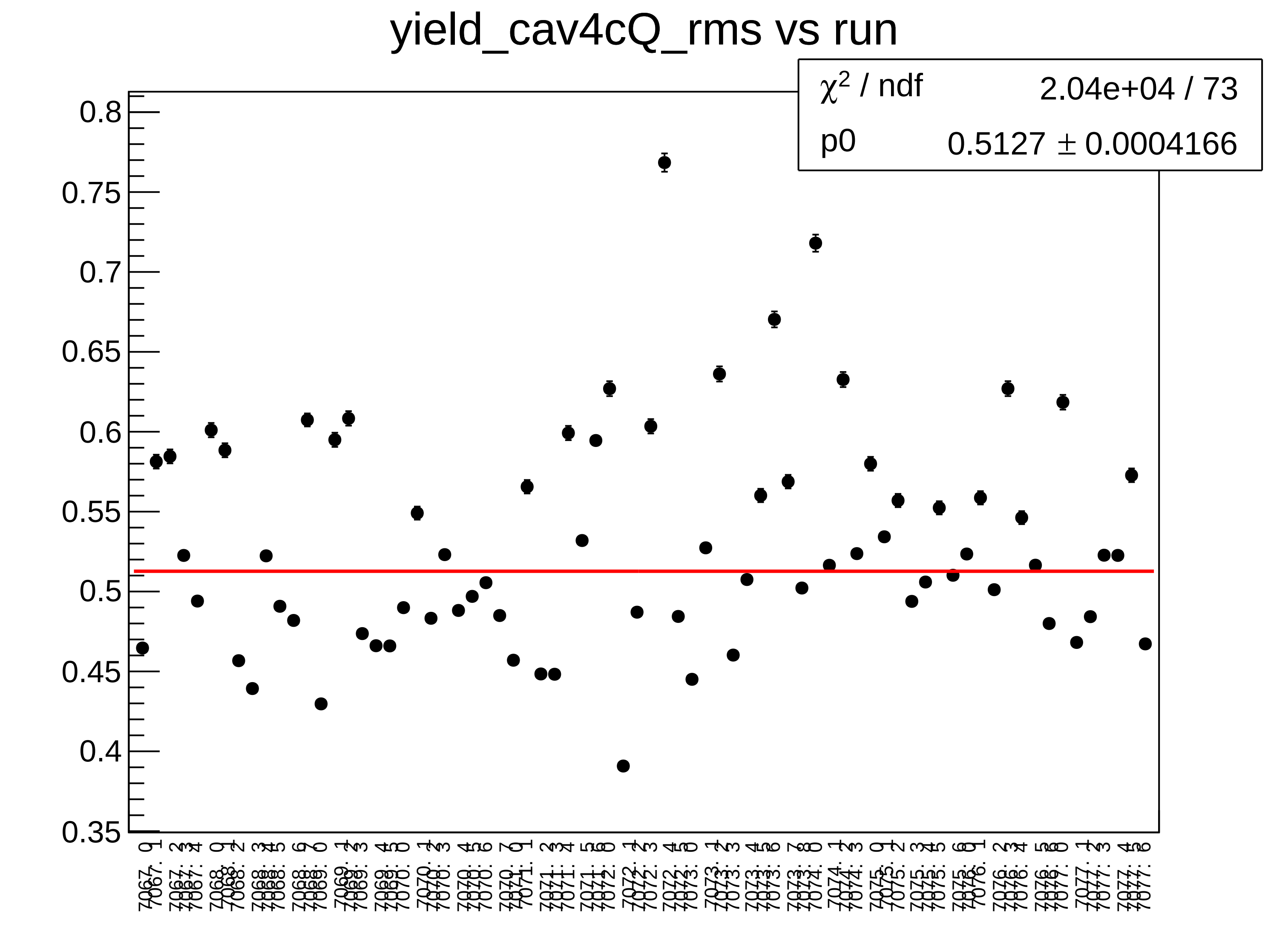

yield_cav4bQ_mean vs run
χ2 / ndf 2.142e+05 / 73
p0 146.3 ± 0.0006381
147
146.8
146.6
146.4
146.2
146
145.8
145.6
pull
Entries 74
Mean 51.53
Std Dev 80.18
150
100
50
0
−50
−100
−150
pull1D
Entries 74
Mean −2.643
Std Dev 4.55
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



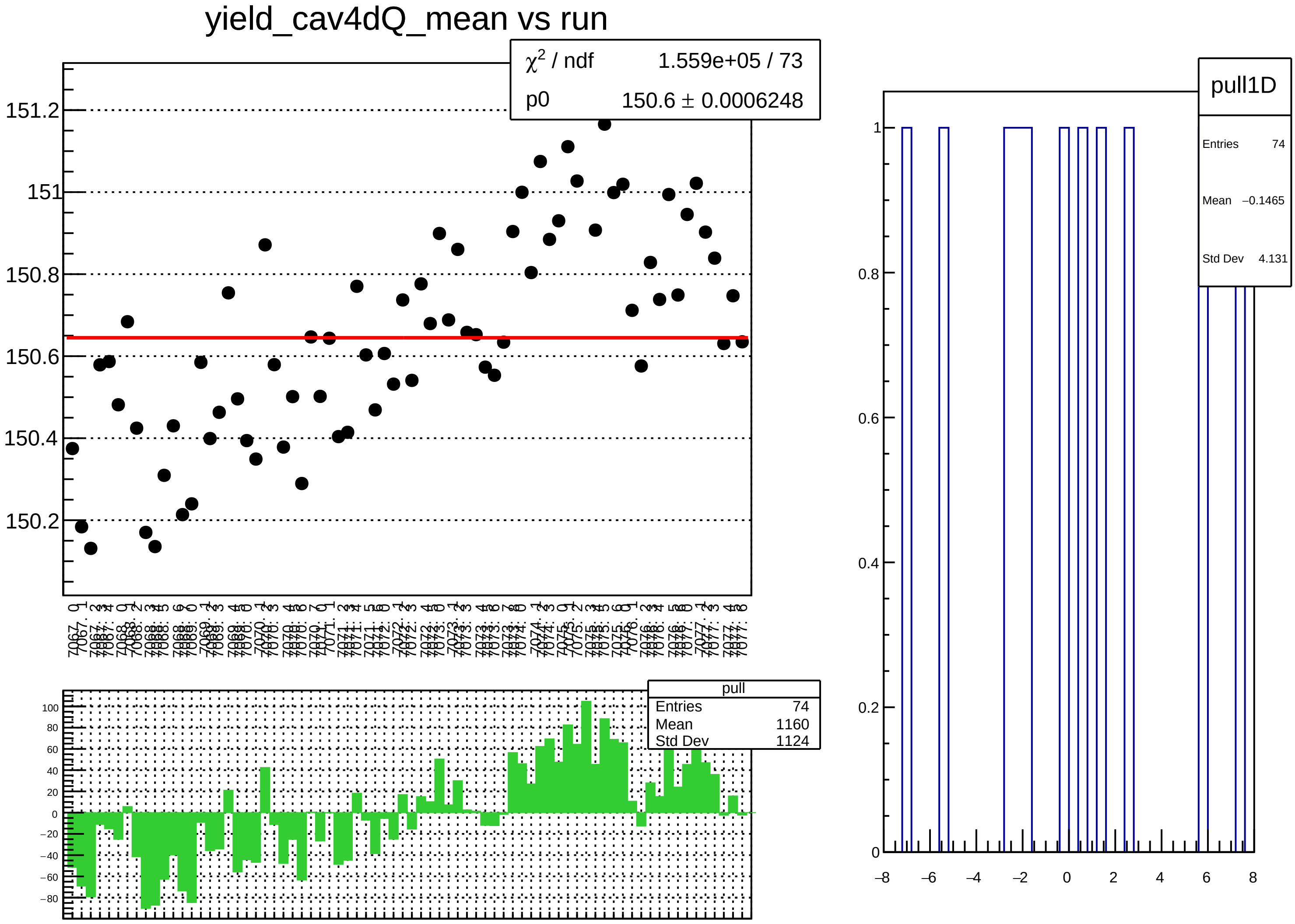
yield_cav4bQ_rms vs run
χ^2 / ndf 2.379e+04 / 73
p0 0.5547 ± 0.0004512
0.9
0.8
0.7
0.6
0.5
0.4



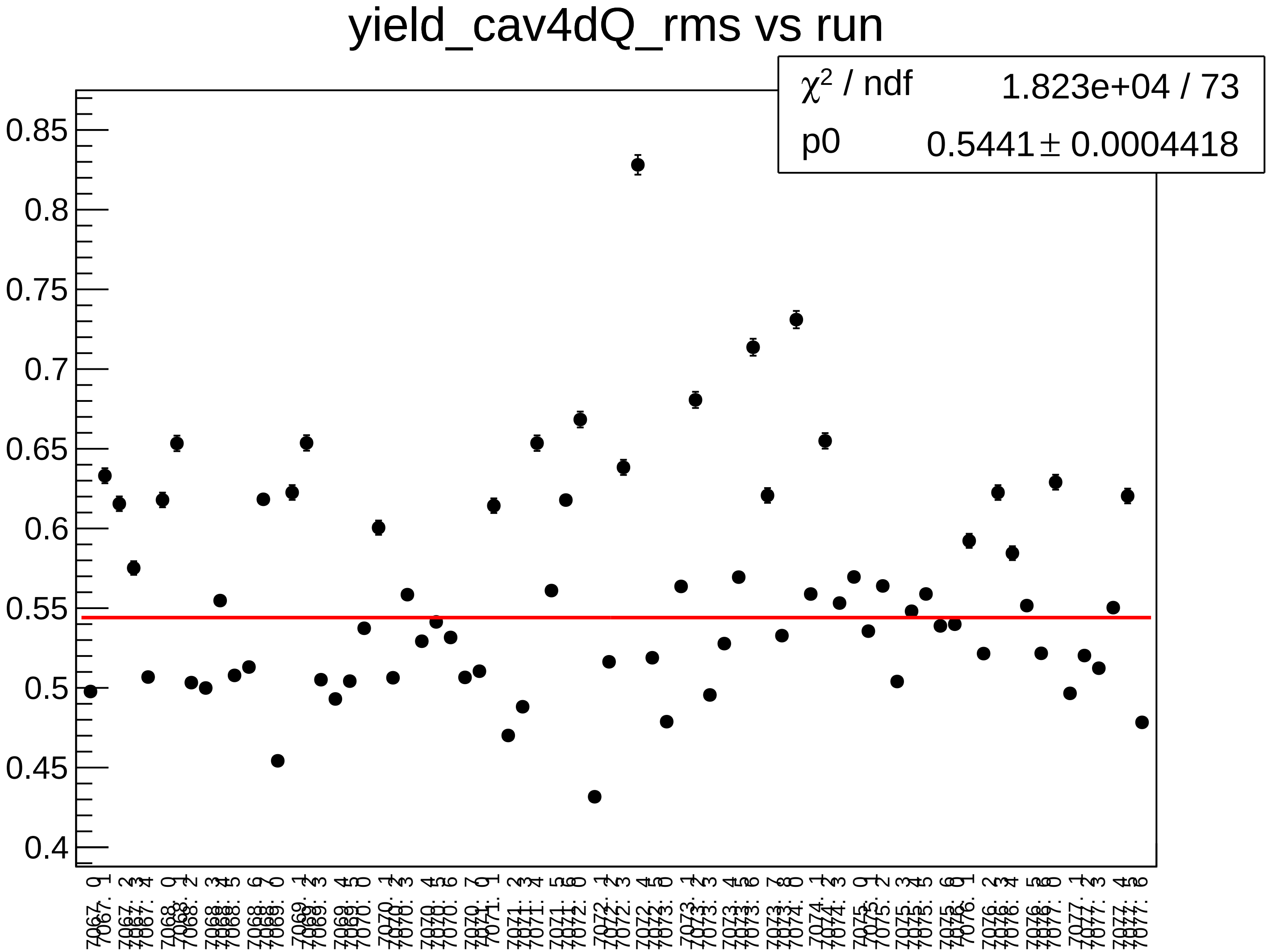
yield_cav4cQ_mean vs run
χ2 / ndf 1.299e+05 / 73
p0 153.3 ± 0.0005891
pull
Entries 74
Mean 498.9
Std Dev 465.7
pull1D
Entries 74
Mean −0.1483
Std Dev 5.383

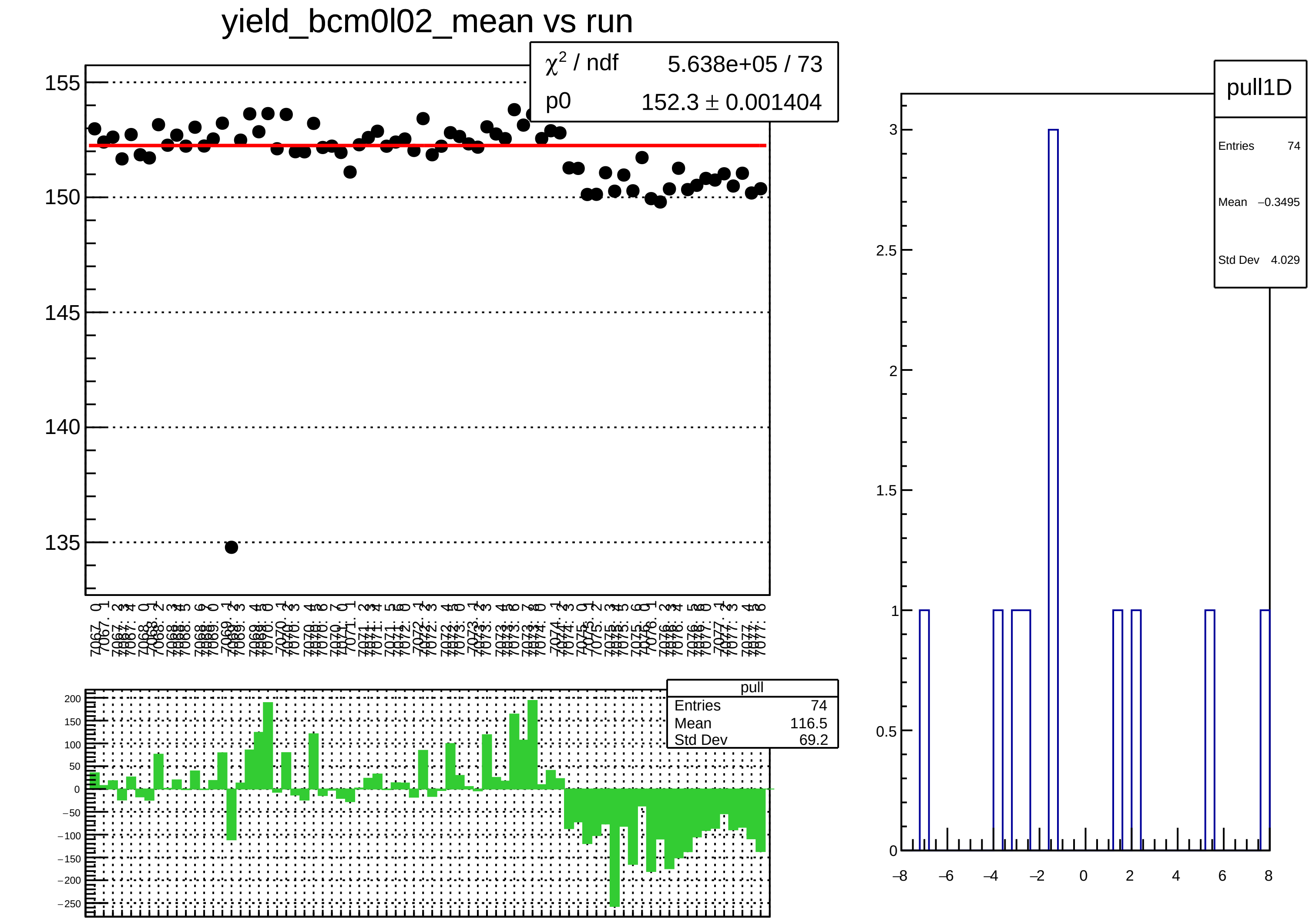


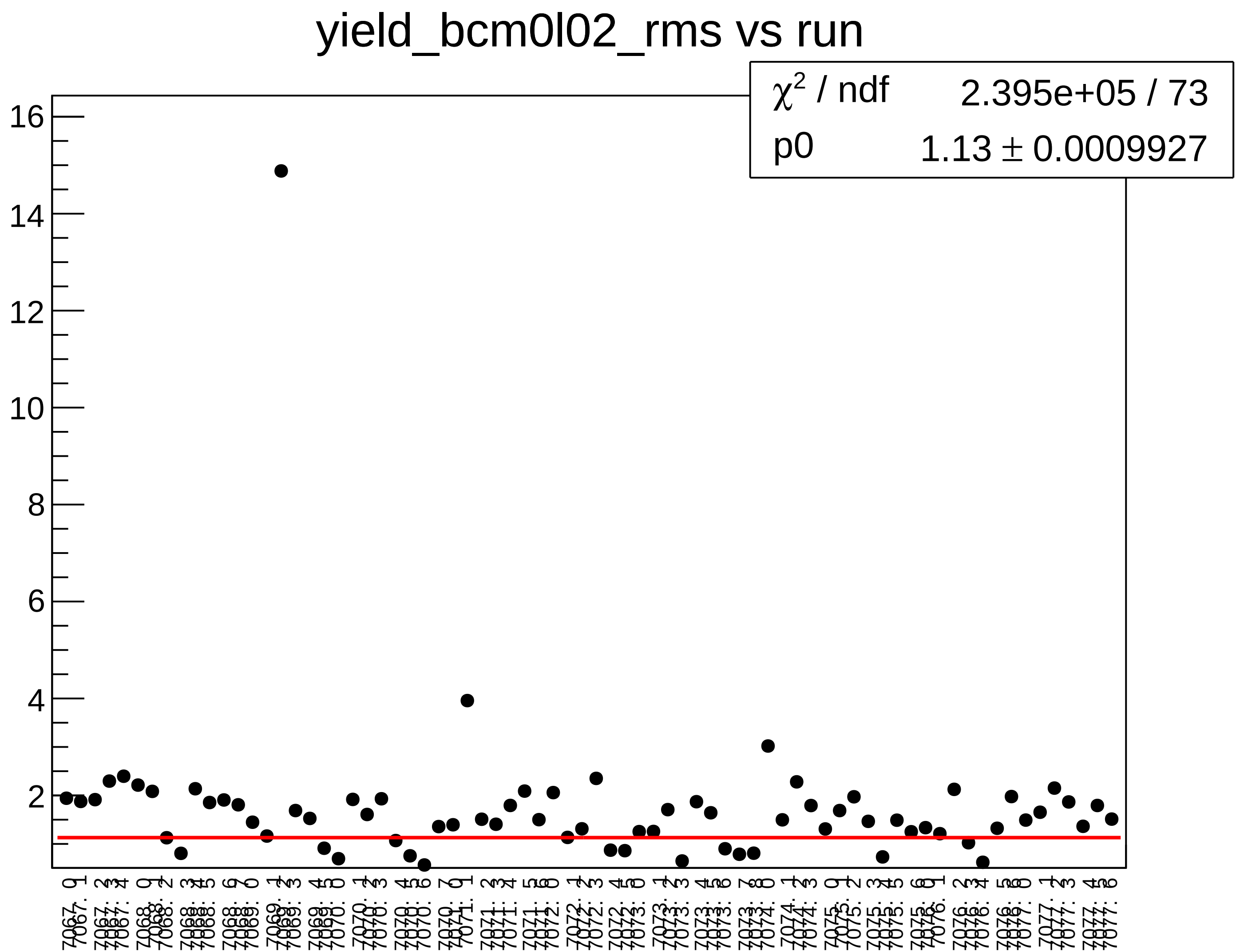
yield_cav4cQ_rms vs run
χ^2 / ndf 2.04e+04 / 73
p0 0.5127 ± 0.0004166
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35



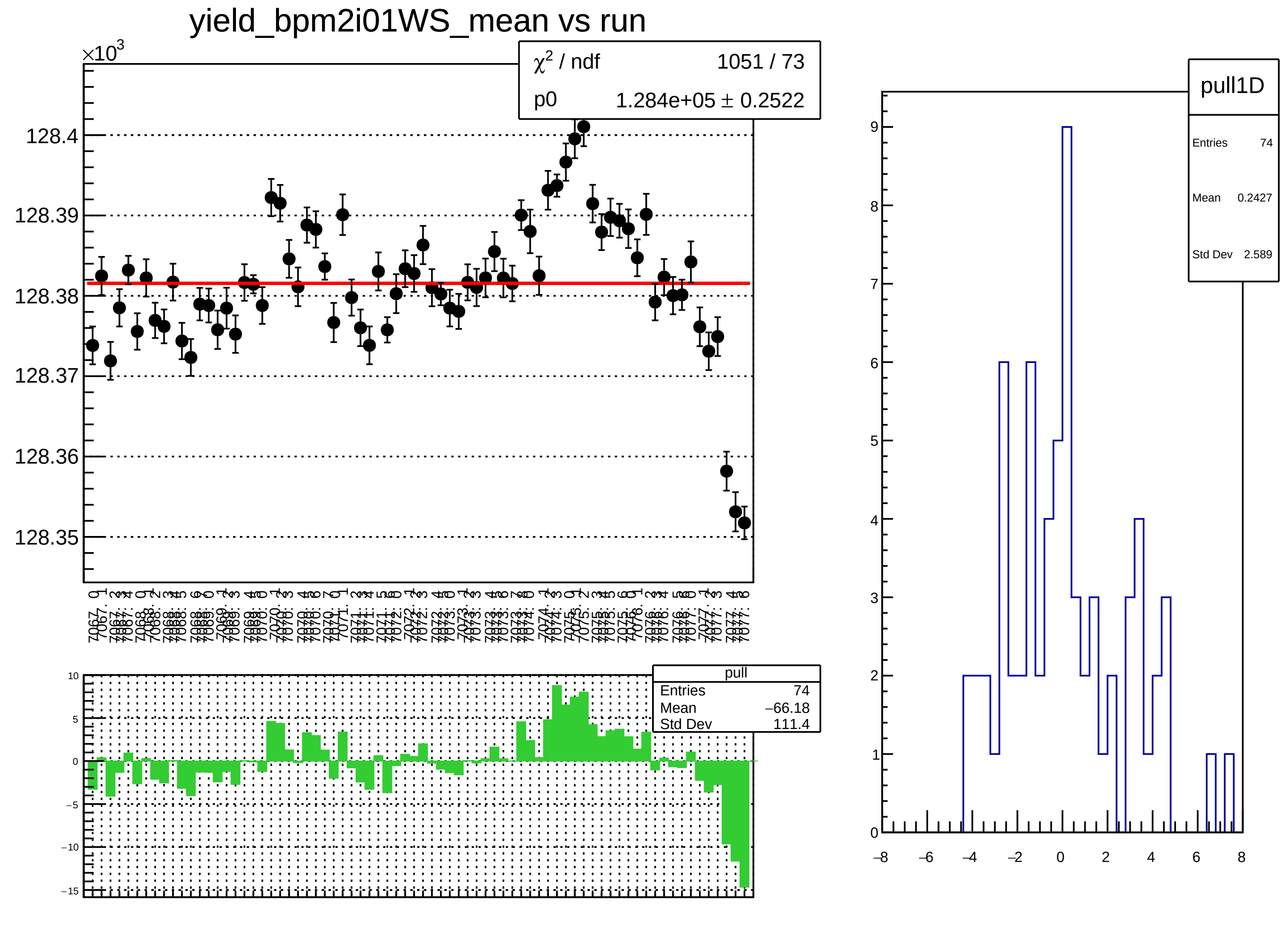
yield_cav4dQ_mean vs run
χ2 / ndf 1.559e+05 / 73
p0 150.6 ± 0.0006248
151.2
151
150.8
150.6
150.4
150.2
pull
Entries 74
Mean 1160
Std Dev 1124
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 74
Mean −0.1465
Std Dev 4.131
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_cav4dQ_rms vs run
χ2 / ndf 1.823e+04 / 73
p0 0.5441 ± 0.0004418
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4

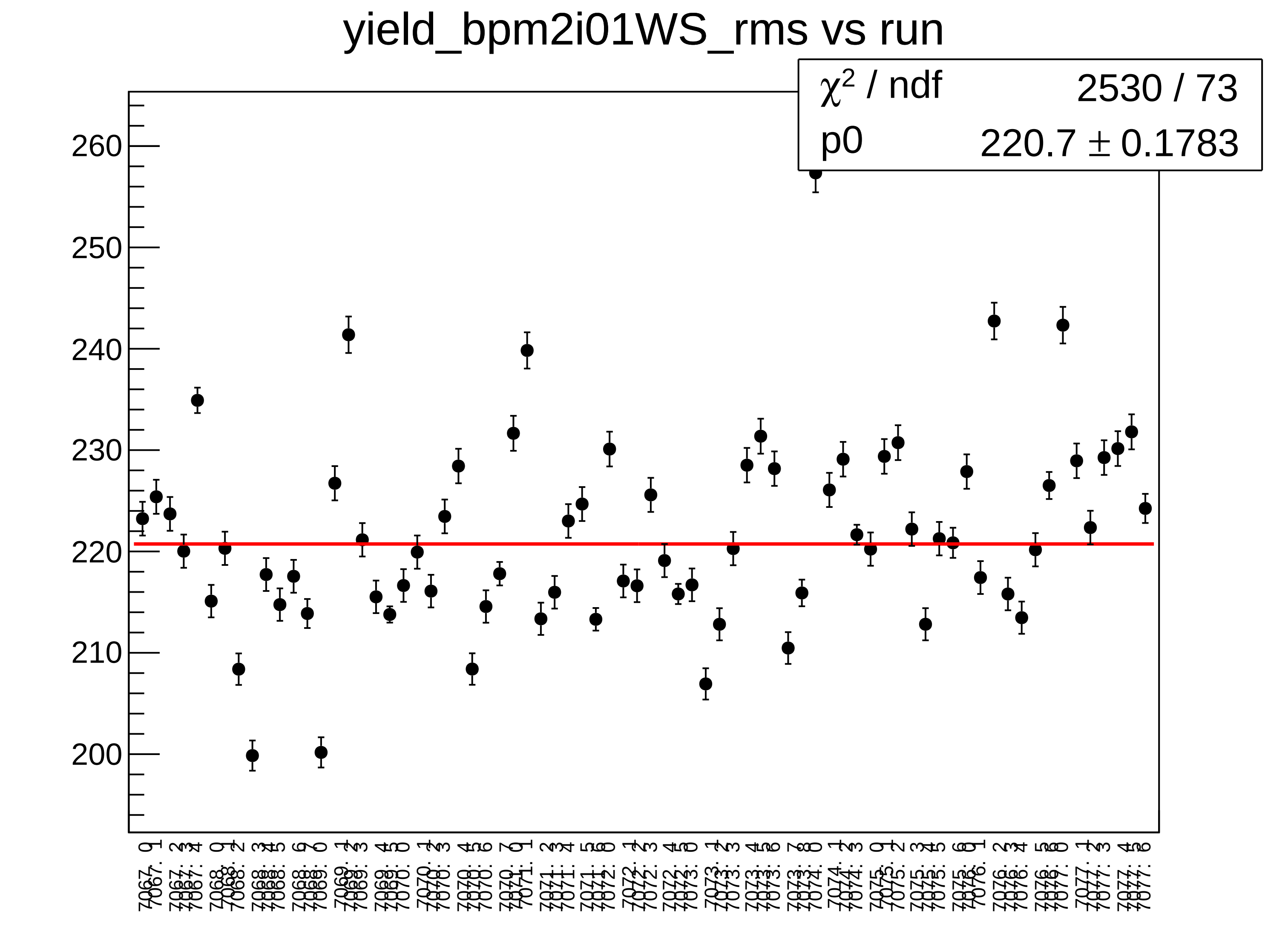

yield_bcm0l02_mean vs run
χ^2 / ndf 5.638e+05 / 73
p0 152.3 ± 0.001404
pull
Entries 74
Mean 116.5
Std Dev 69.2
pull1D
Entries 74
Mean −0.3495
Std Dev 4.029

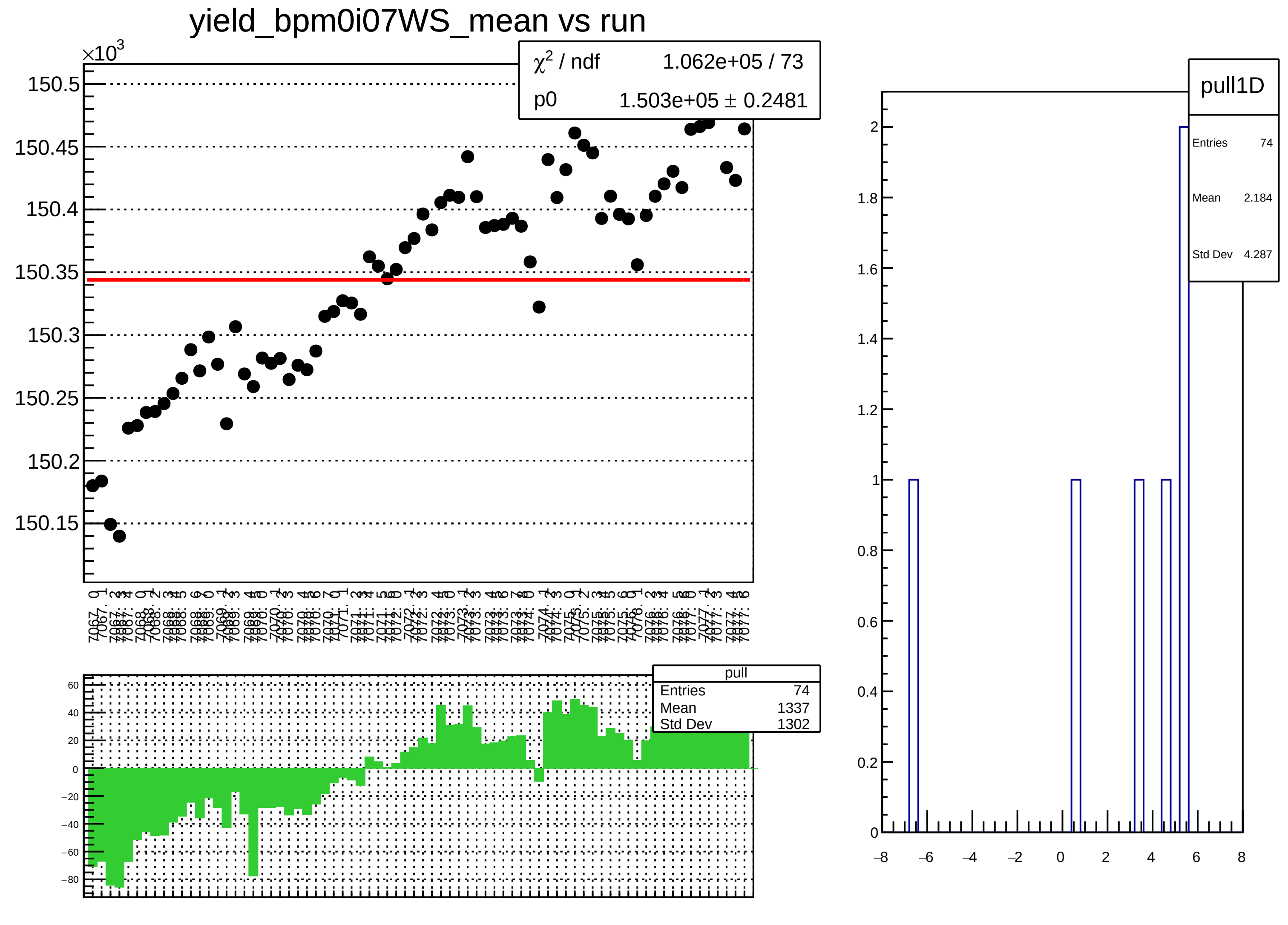


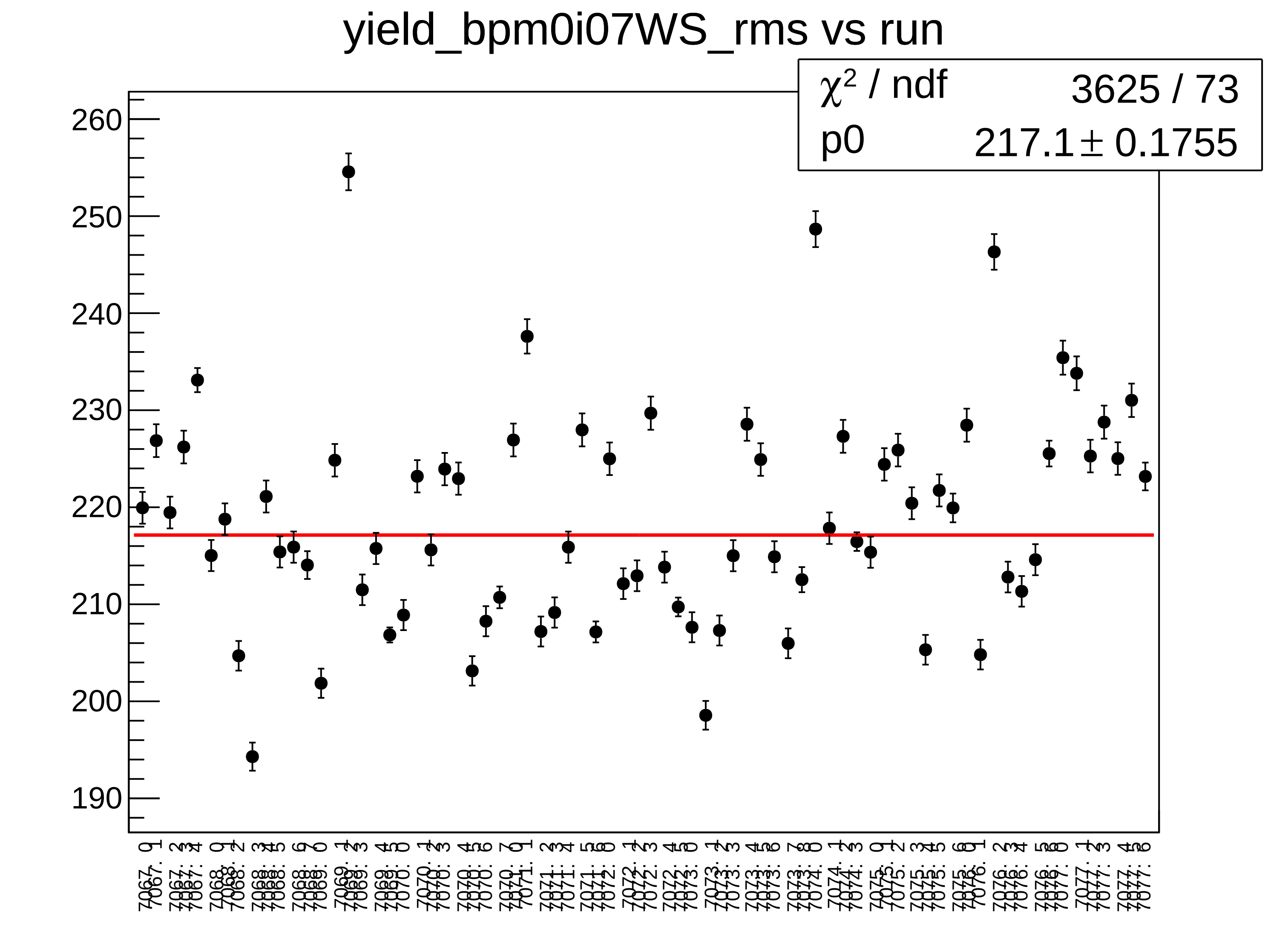
yield_bcm0l02_rms vs run
χ^2 / ndf 2.395e+05 / 73
p0 1.13 ± 0.0009927

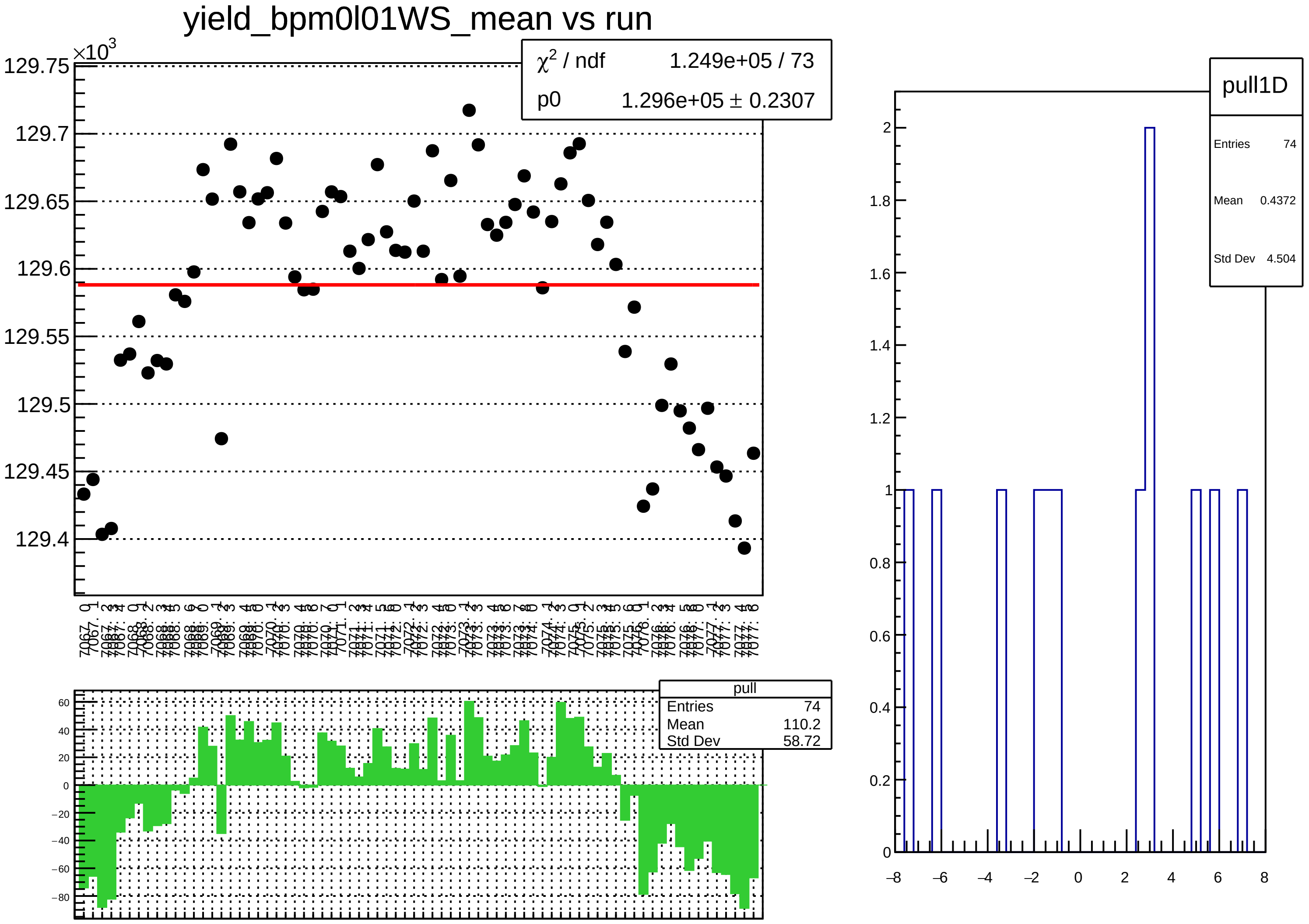


yield_bpm2i01WS_mean vs run
×10^3
χ2 / ndf 1051 / 73
p0 1.284e+05 ± 0.2522
pull
Entries 74
Mean −66.18
Std Dev 111.4
pull1D
Entries 74
Mean 0.2427
Std Dev 2.589

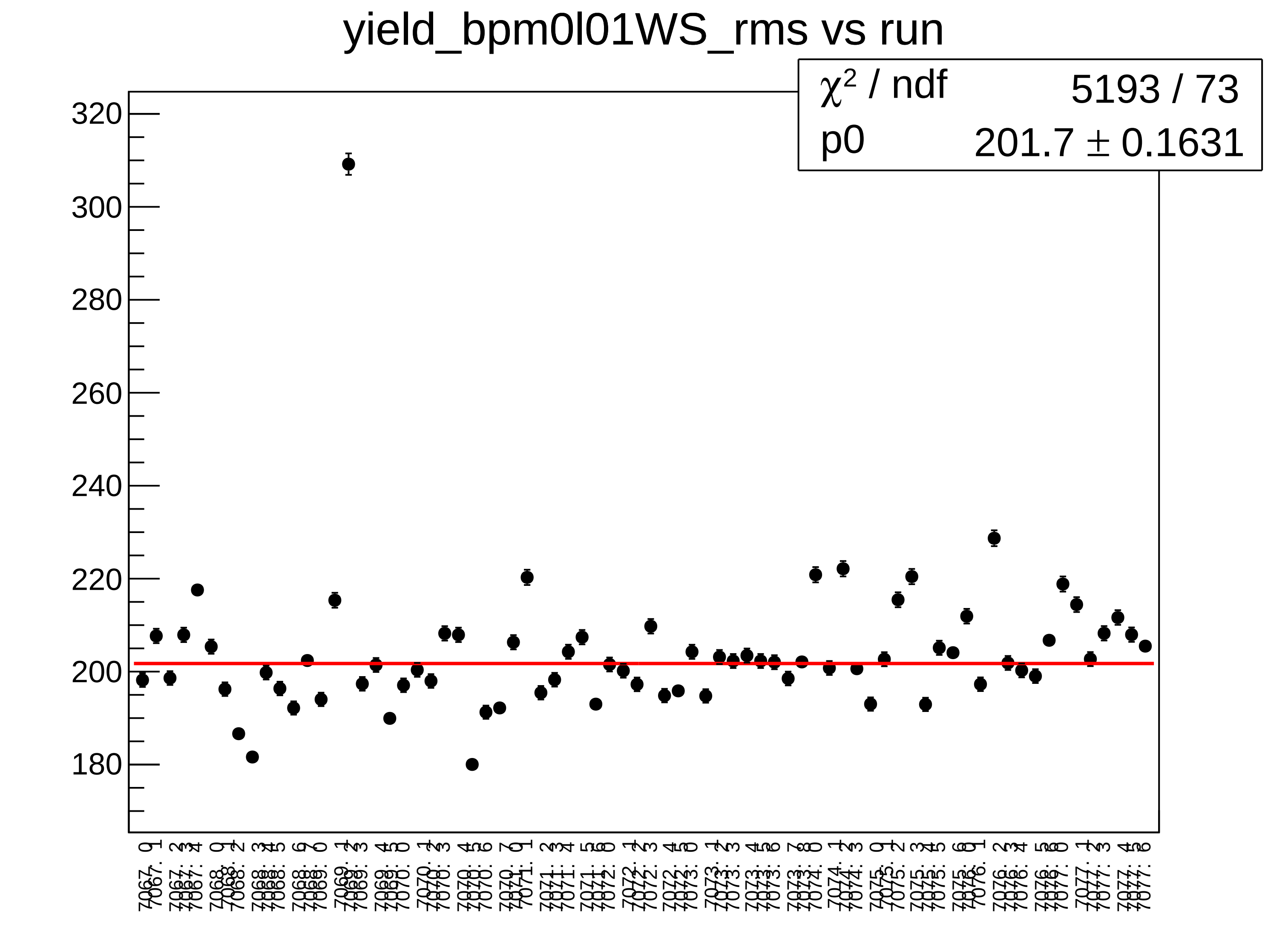

yield_bpm2i01WS_rms vs run
χ^2 / ndf 2530 / 73
p0 220.7 ± 0.1783
260
250
240
230
220
210
200


yield_bpm0i07WS_mean vs run
$\times10^3$
χ^2 / ndf 1.062e+05 / 73
p0 1.503e+05 ± 0.2481
pull
Entries 74
Mean 1337
Std Dev 1302
pull1D
Entries 74
Mean 2.184
Std Dev 4.287

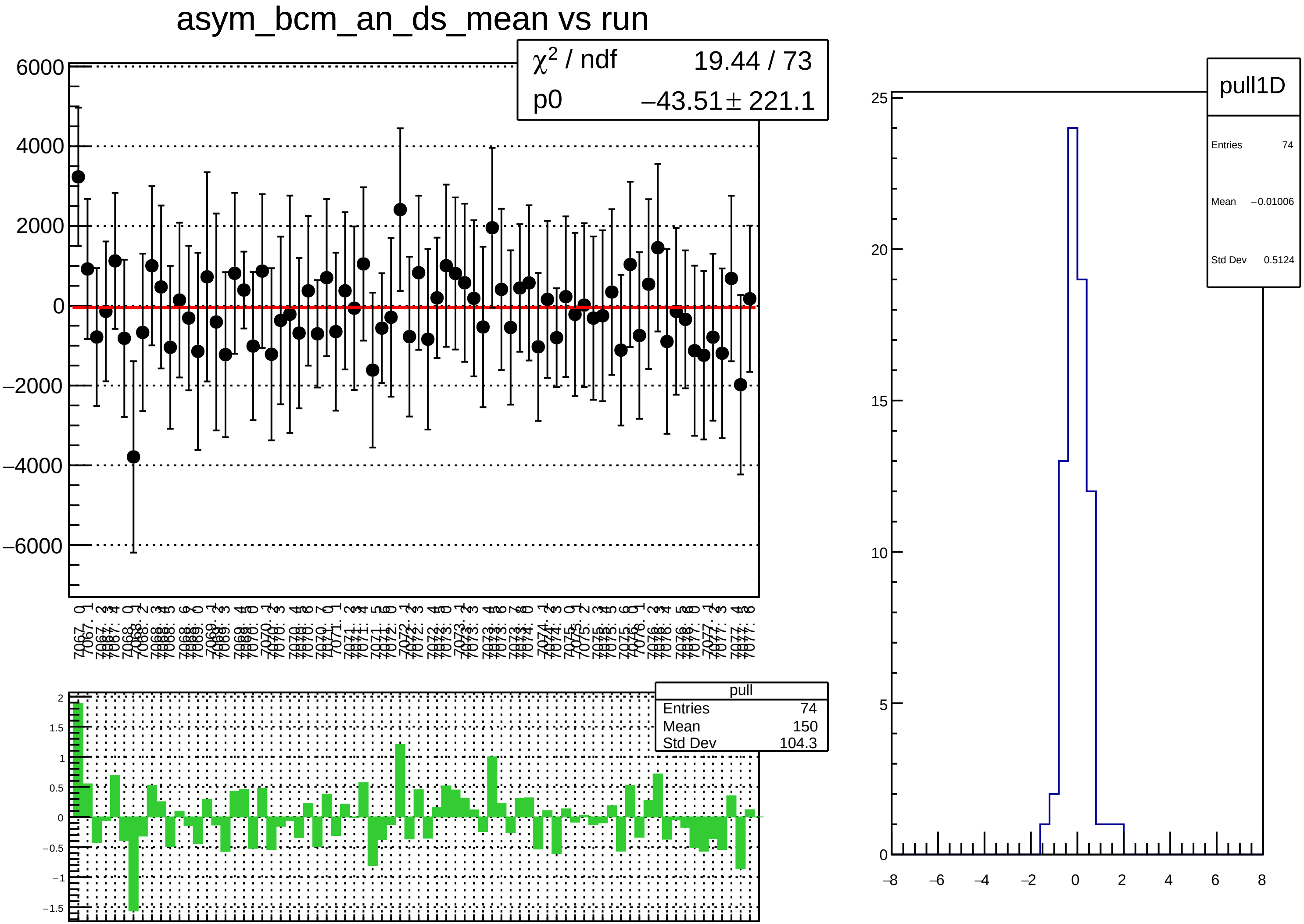

yield_bpm0i07WS_rms vs run
χ2 / ndf 3625 / 73
p0 217.1 ± 0.1755
260
250
240
230
220
210
200
190

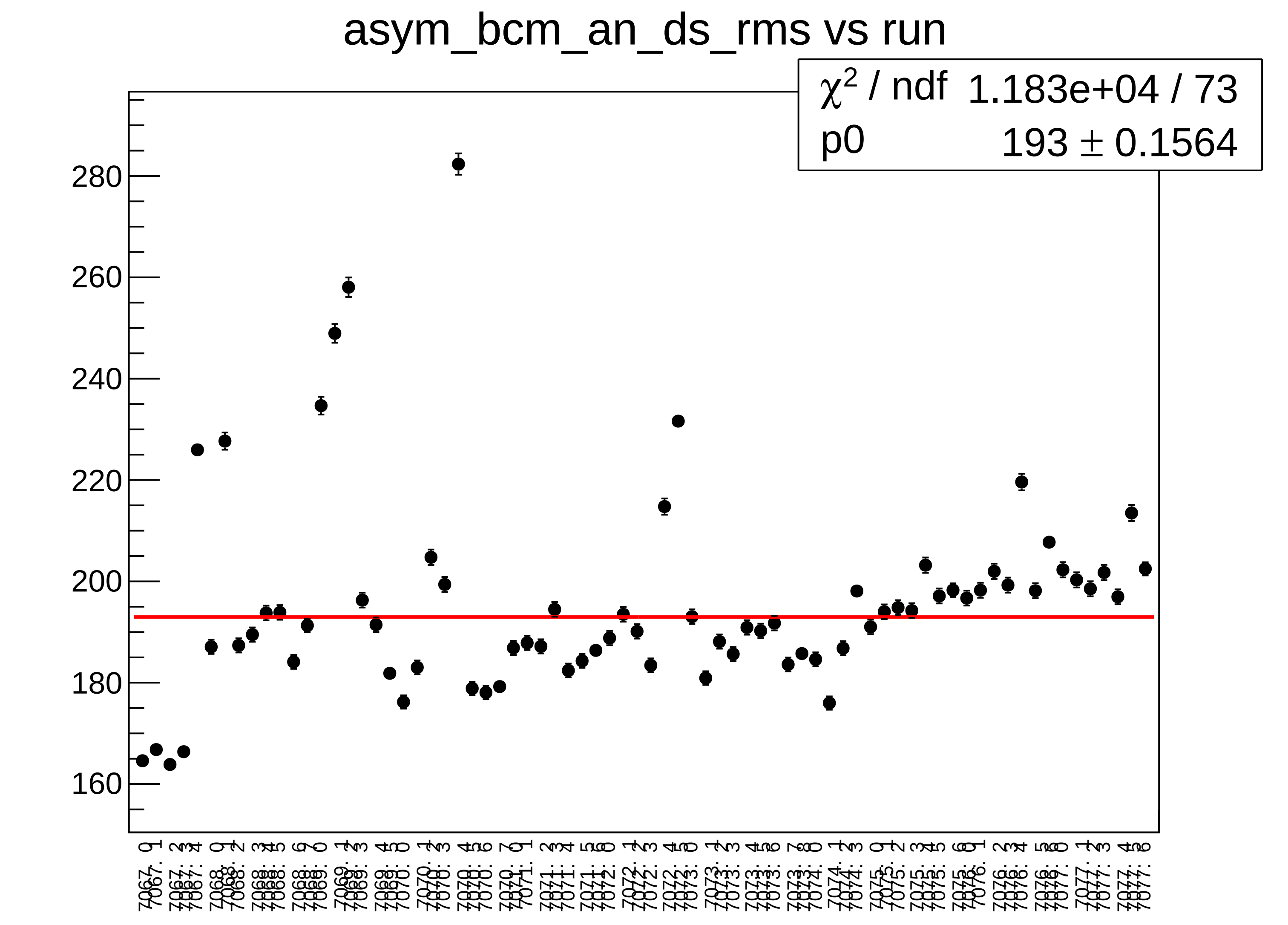


yield_bpm0l01WS_mean vs run
χ2 / ndf 1.249e+05 / 73
p0 1.296e+05 ± 0.2307
pull
Entries 74
Mean 110.2
Std Dev 58.72
pull1D
Entries 74
Mean 0.4372
Std Dev 4.504

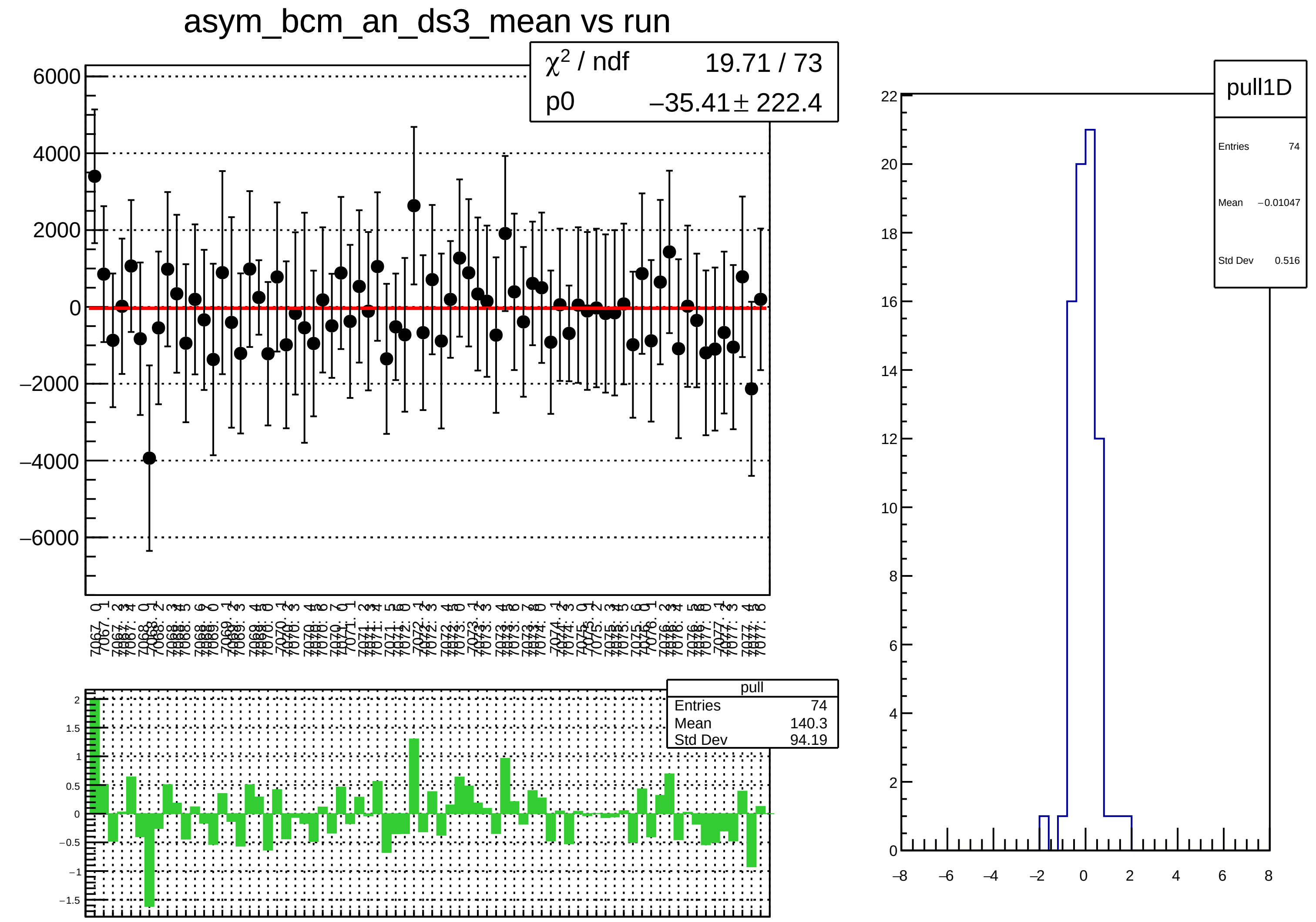


yield_bpm0l01WS_rms vs run
χ^2 / ndf 5193 / 73
p0 201.7 ± 0.1631
320
300
280
260
240
220
200
180

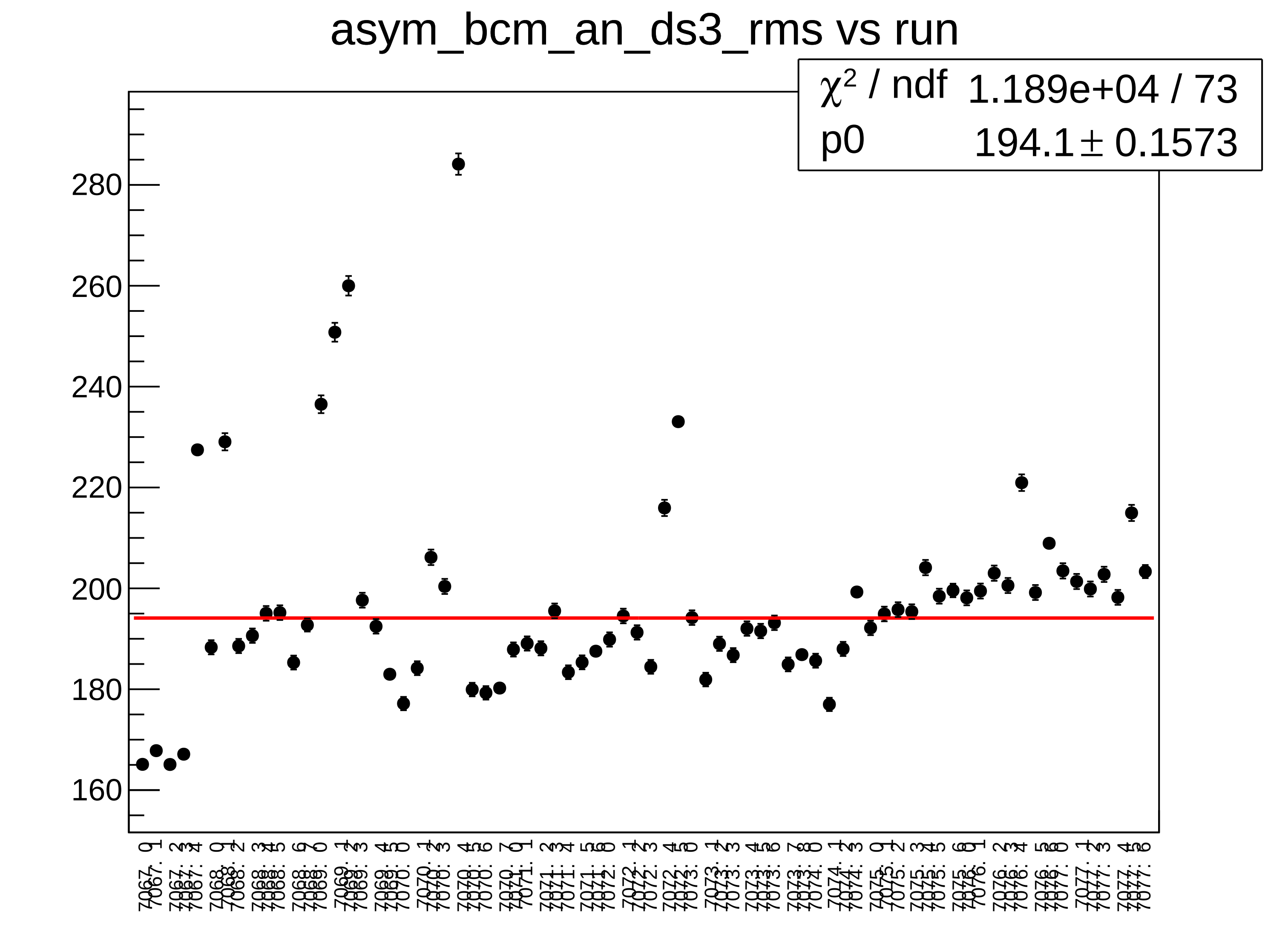

asym_bcm_an_ds_mean vs run
χ2 / ndf 19.44 / 73
p0 −43.51 ± 221.1
pull
Entries 74
Mean 150
Std Dev 104.3
pull1D
Entries 74
Mean −0.01006
Std Dev 0.5124

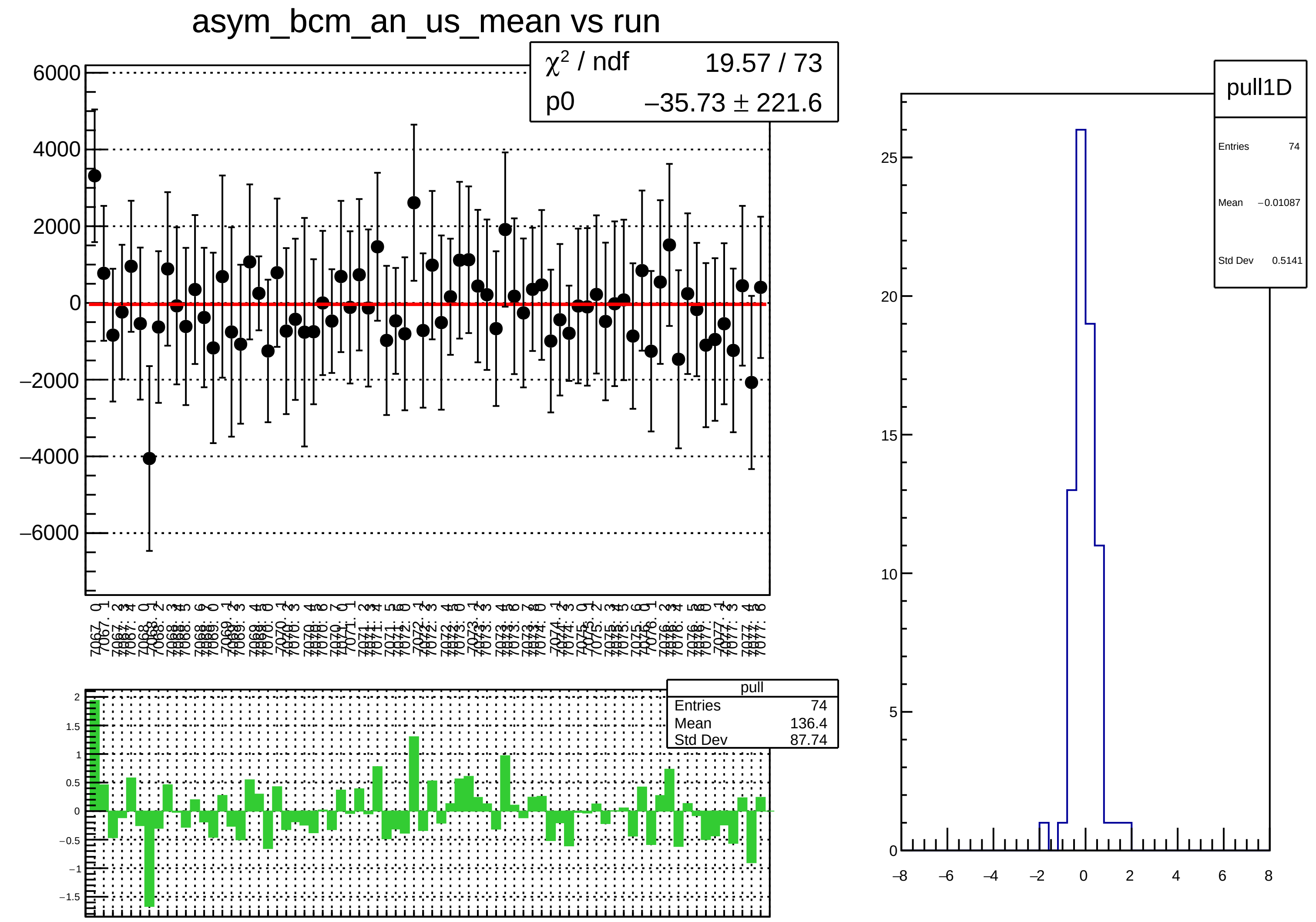


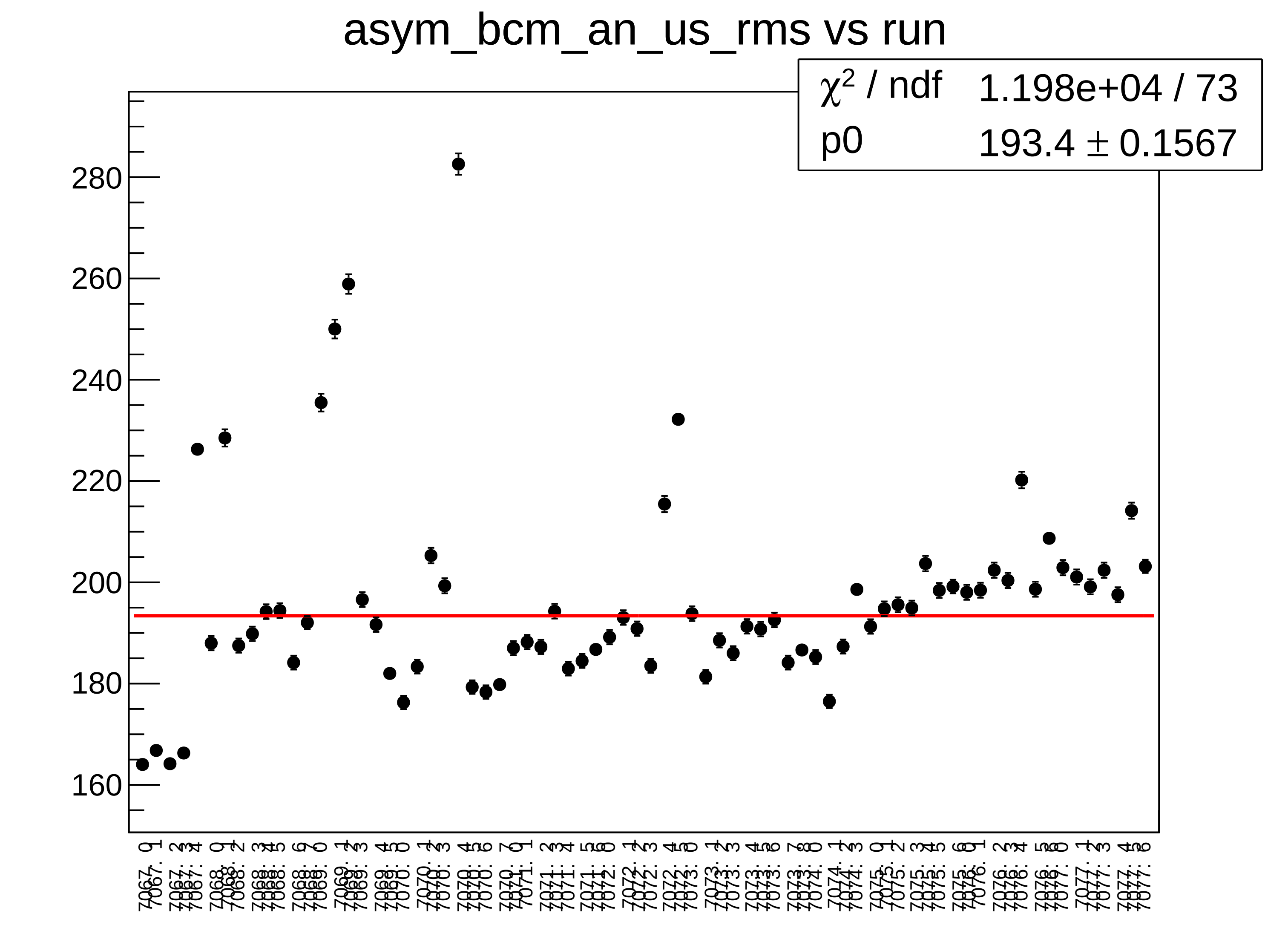
asym_bcm_an_ds_rms vs run
χ^2 / ndf 1.183e+04 / 73
p0 193 ± 0.1564
280
260
240
220
200
180
160

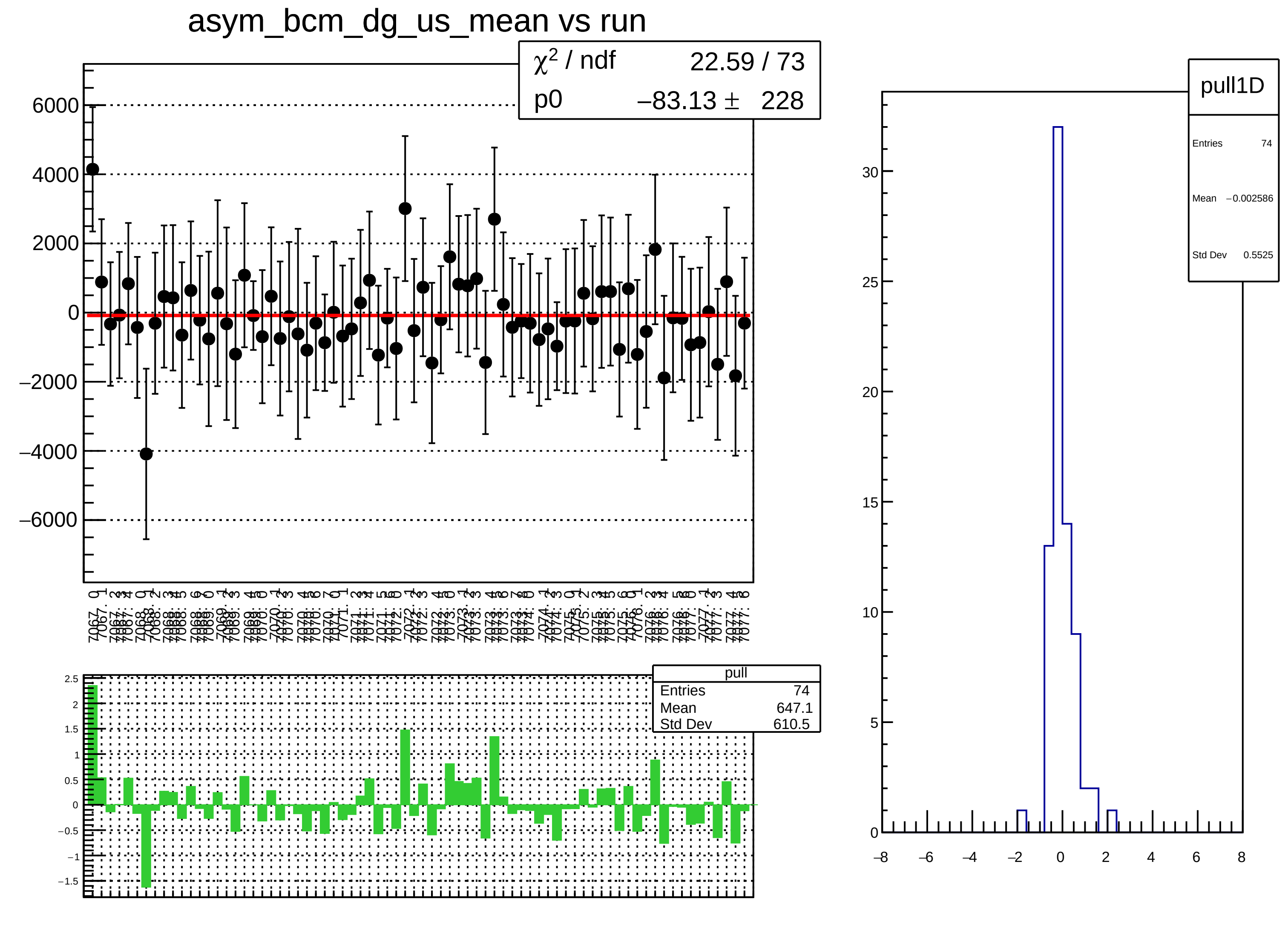


asym_bcm_an_ds3_mean vs run
χ^2 / ndf 19.71 / 73
p0 −35.41 ± 222.4
pull
Entries 74
Mean 140.3
Std Dev 94.19
pull1D
Entries 74
Mean −0.01047
Std Dev 0.516

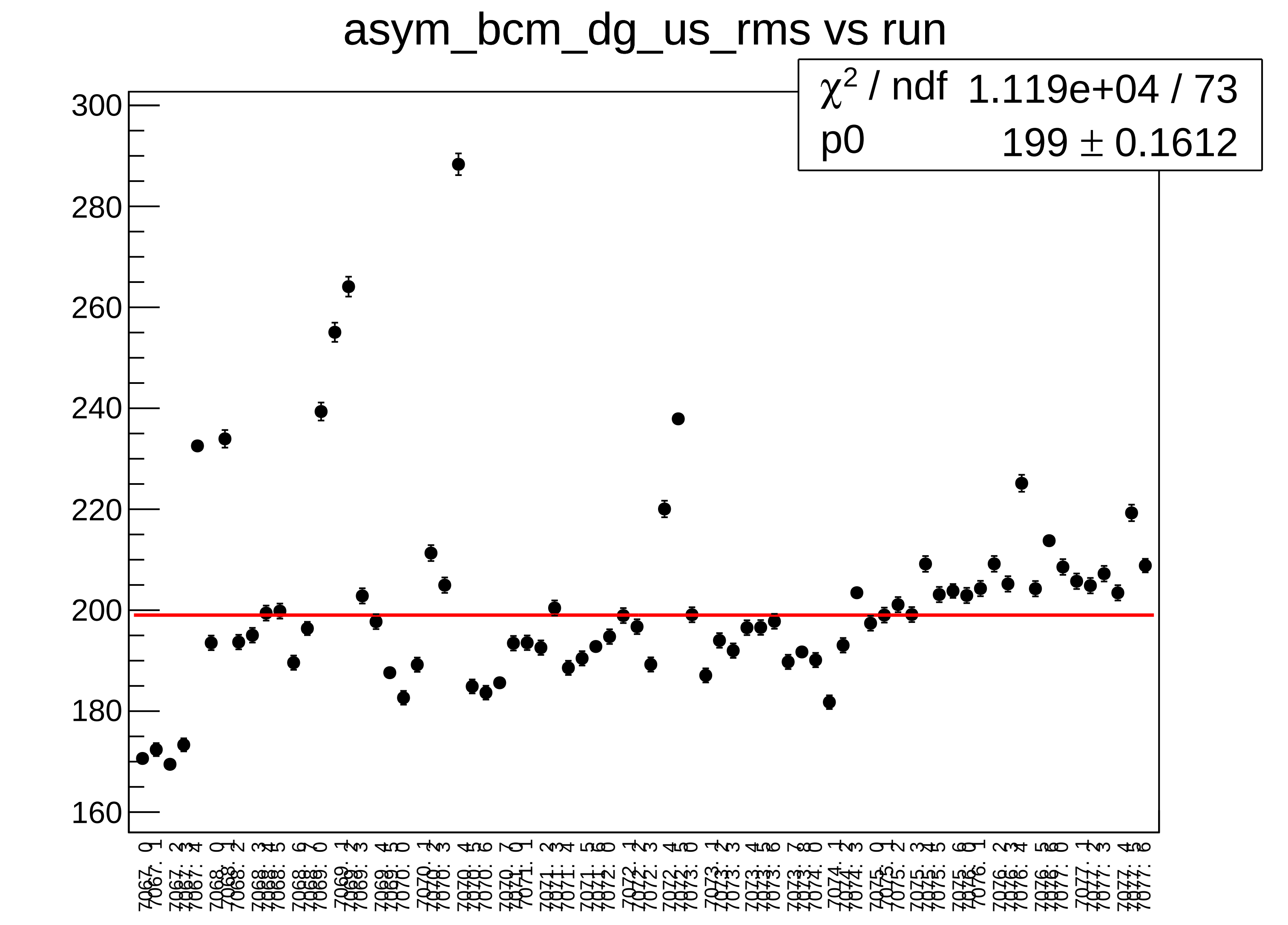


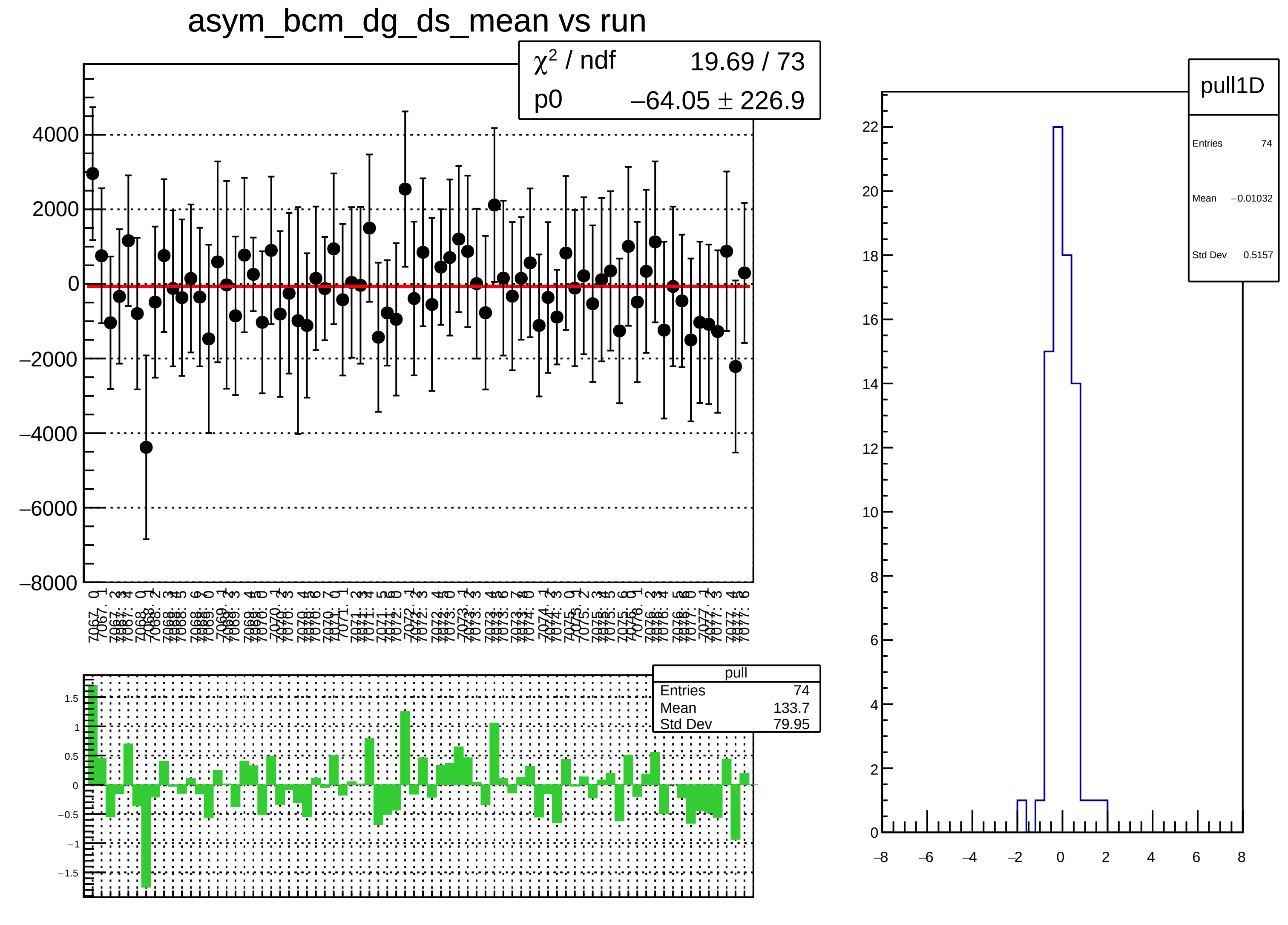

asym_bcm_an_us_mean vs run
χ2 / ndf 19.57 / 73
p0 −35.73 ± 221.6
pull
Entries 74
Mean 136.4
Std Dev 87.74
pull1D
Entries 74
Mean −0.01087
Std Dev 0.5141


asym_bcm_an_us_rms vs run
χ² / ndf 1.198e+04 / 73
p0 193.4 ± 0.1567
280
260
240
220
200
180
160

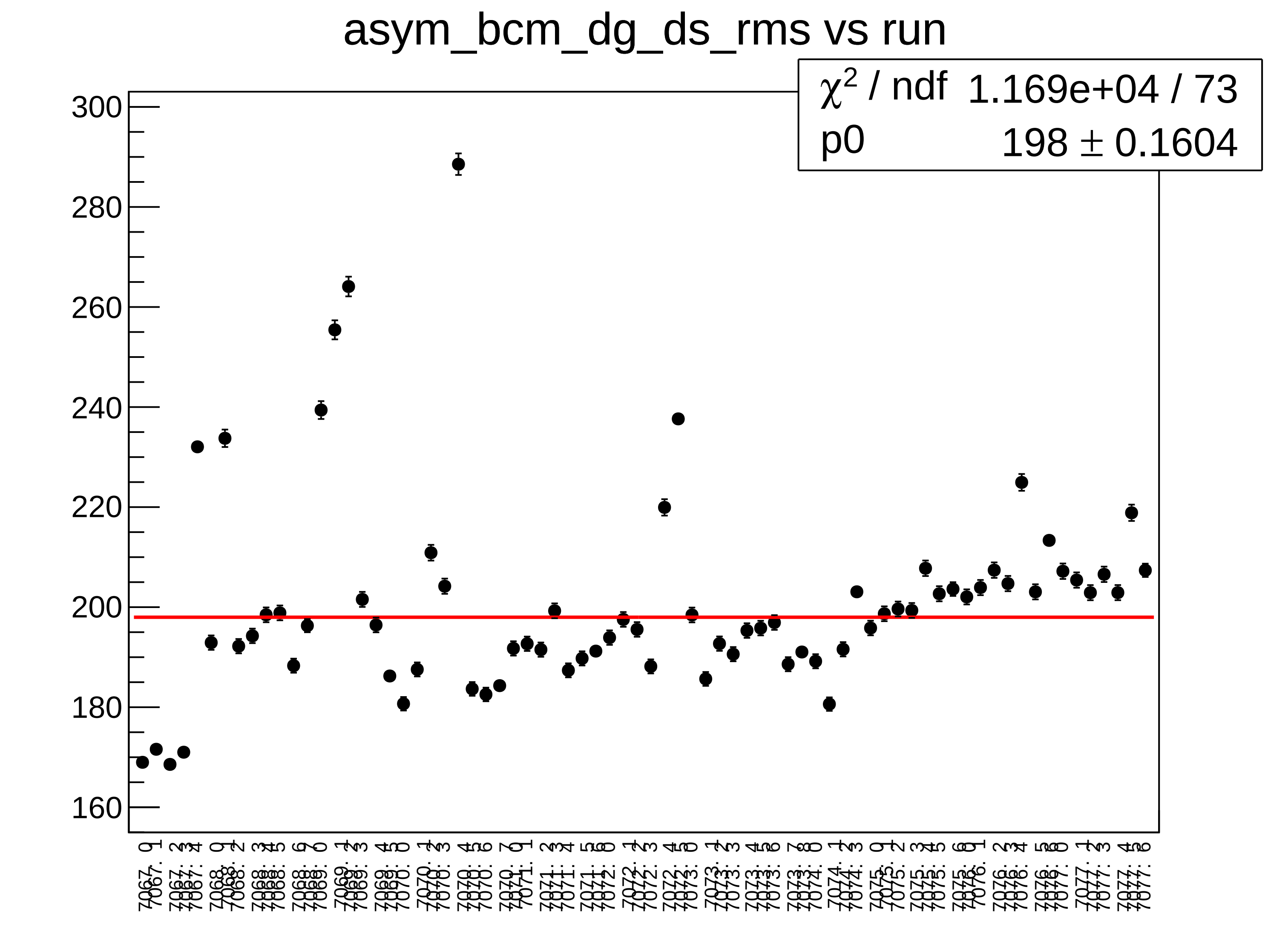


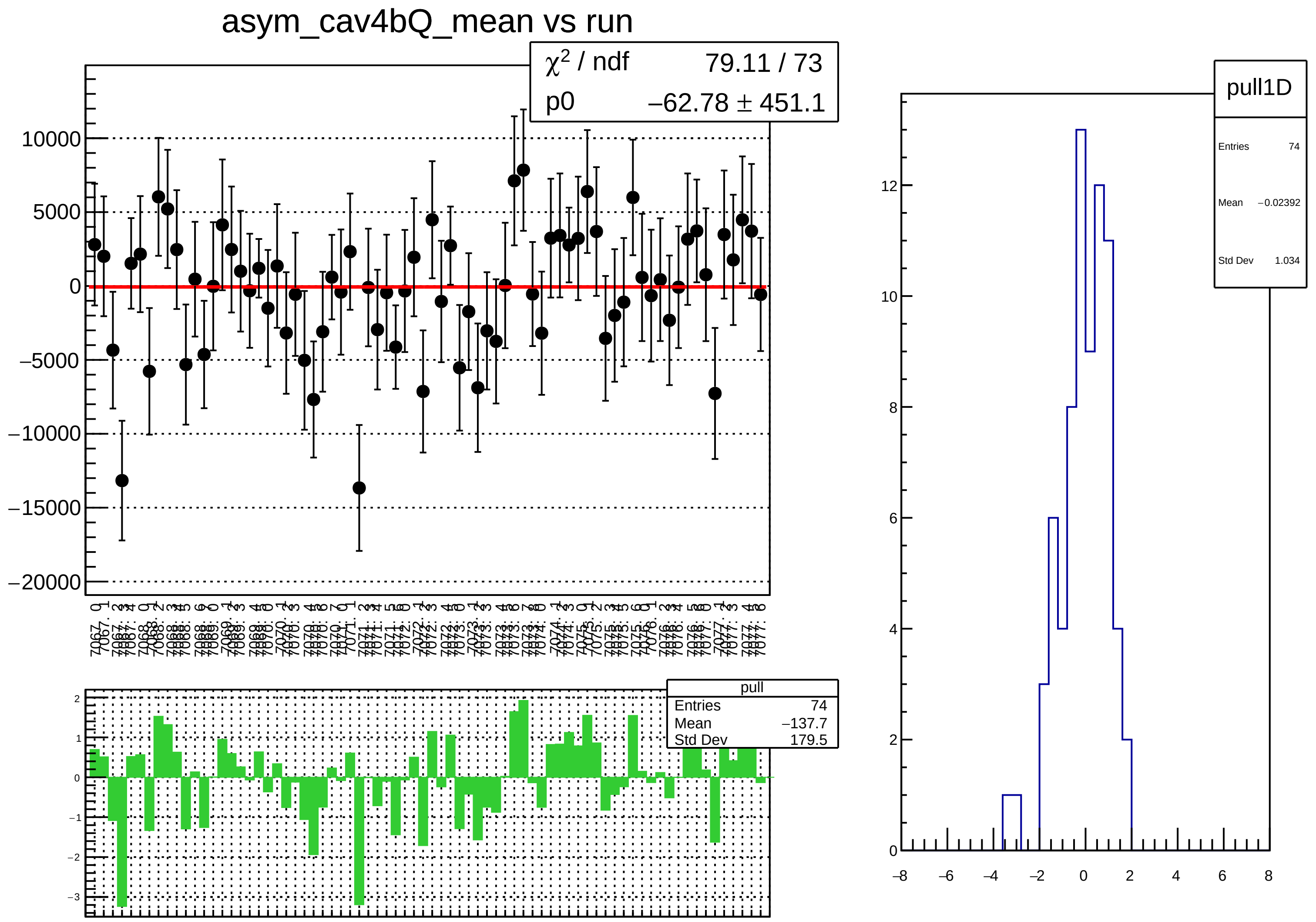
asym_bcm_dg_us_mean vs run
χ^2 / ndf 22.59 / 73
p0 −83.13 ± 228
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 74
Mean 647.1
Std Dev 610.5
pull1D
Entries 74
Mean −0.002586
Std Dev 0.5525

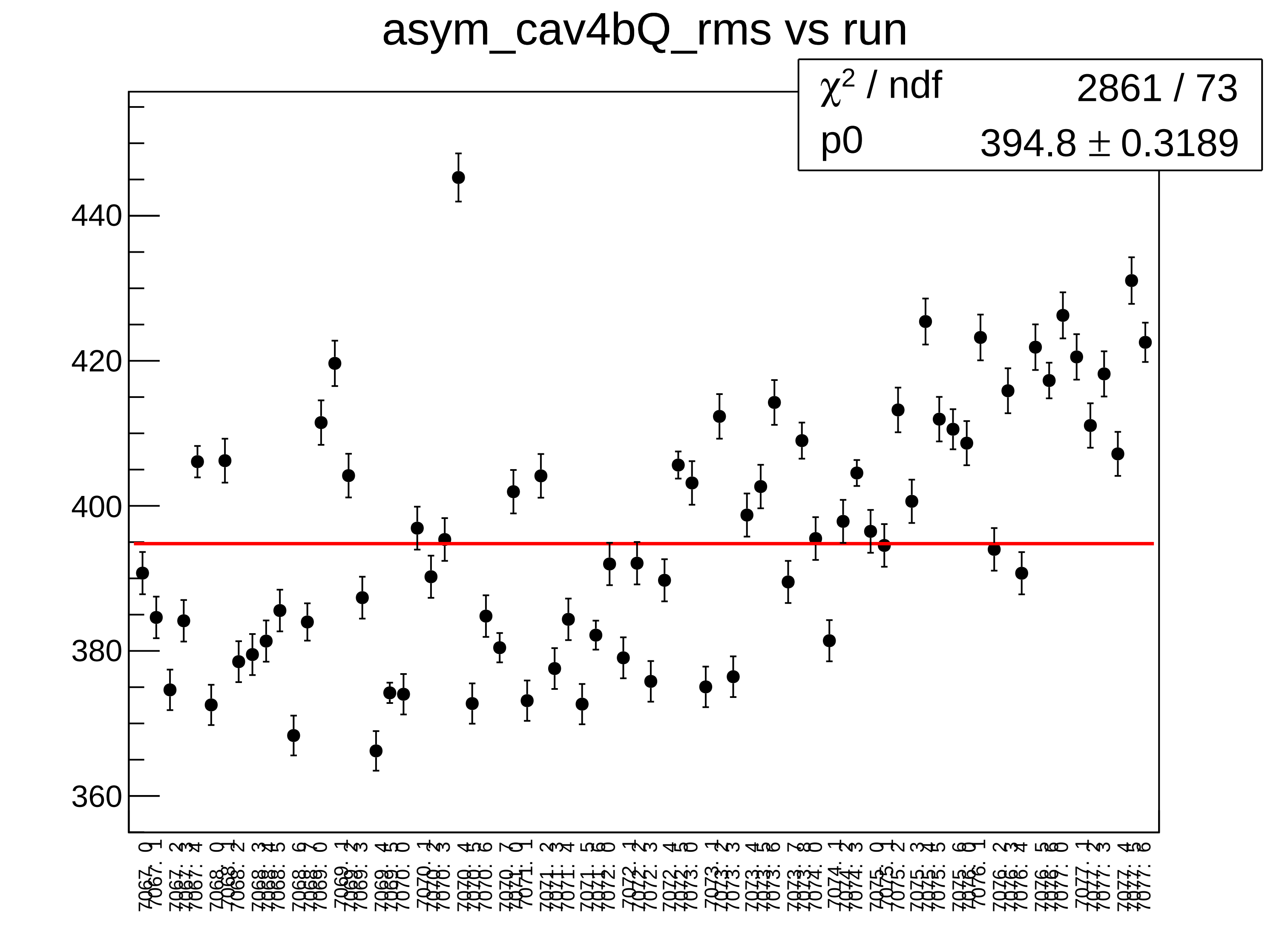

asym_bcm_dg_us_rms vs run
χ^2 / ndf 1.119e+04 / 73
p0 199 ± 0.1612
300
280
260
240
220
200
180
160

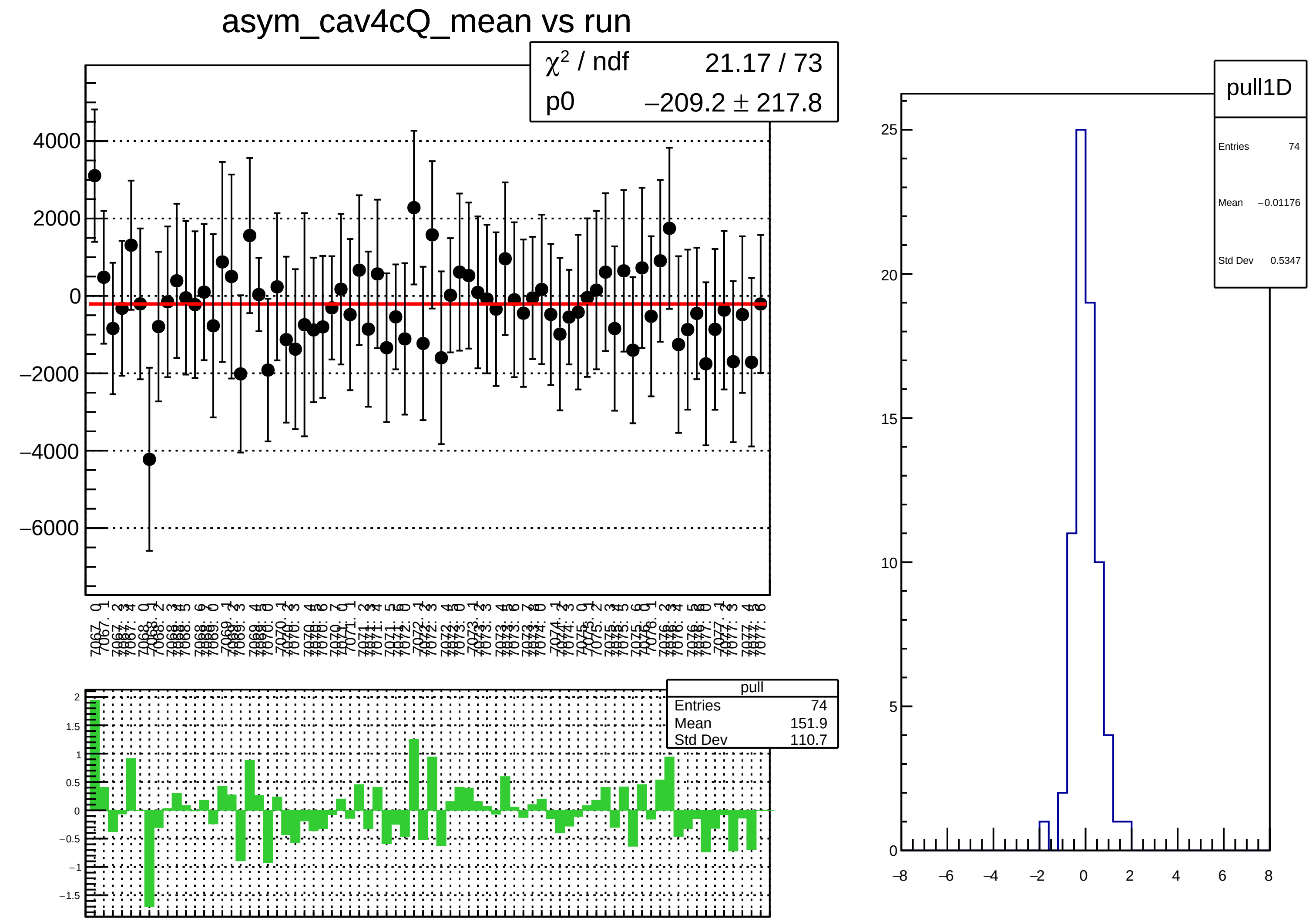


asym_bcm_dg_ds_mean vs run
χ² / ndf 19.69 / 73
p0 −64.05 ± 226.9
pull
Entries 74
Mean 133.7
Std Dev 79.95
pull1D
Entries 74
Mean −0.01032
Std Dev 0.5157

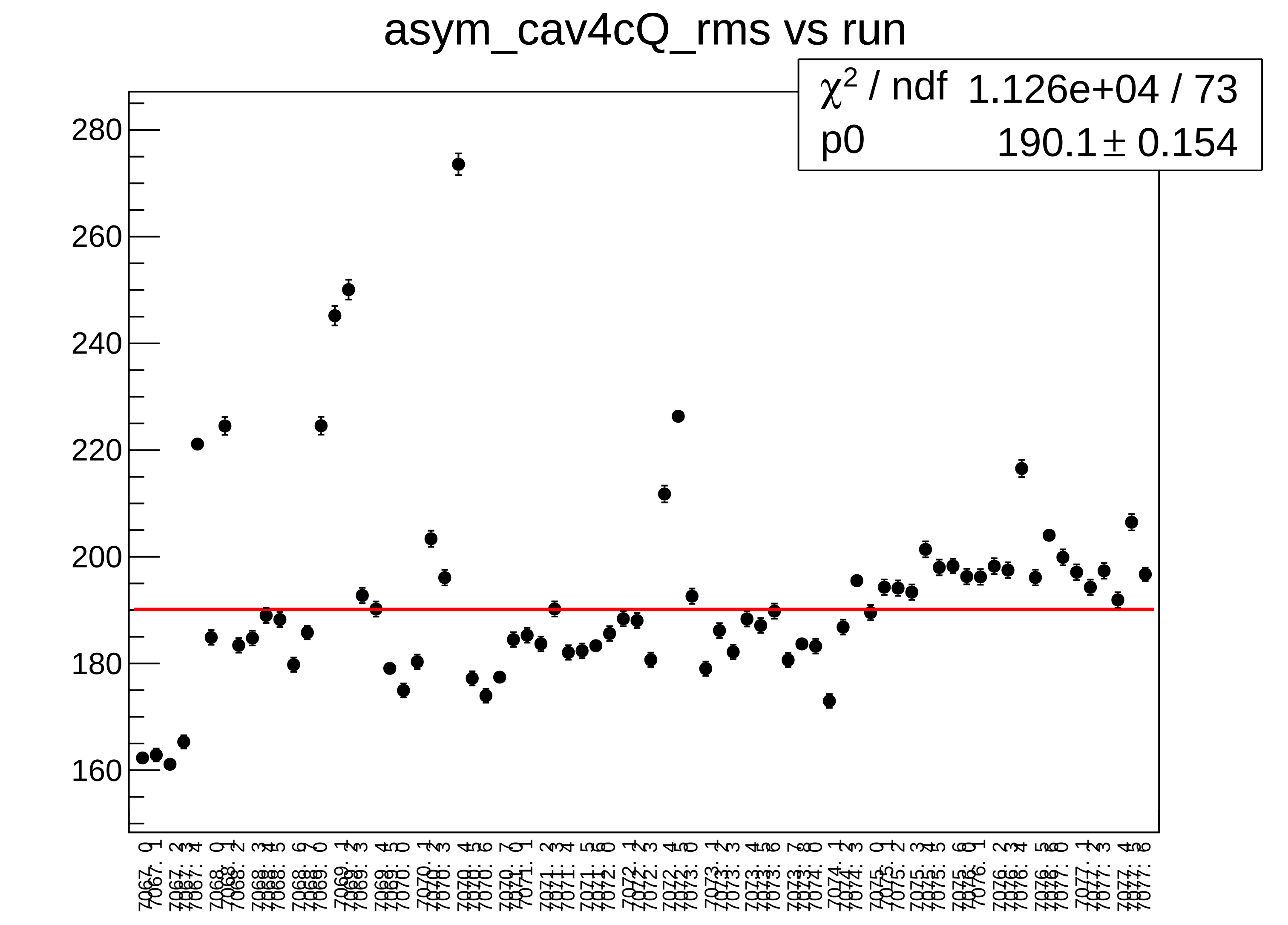

asym_bcm_dg_ds_rms vs run
χ^2 / ndf 1.169e+04 / 73
p0 198 ± 0.1604

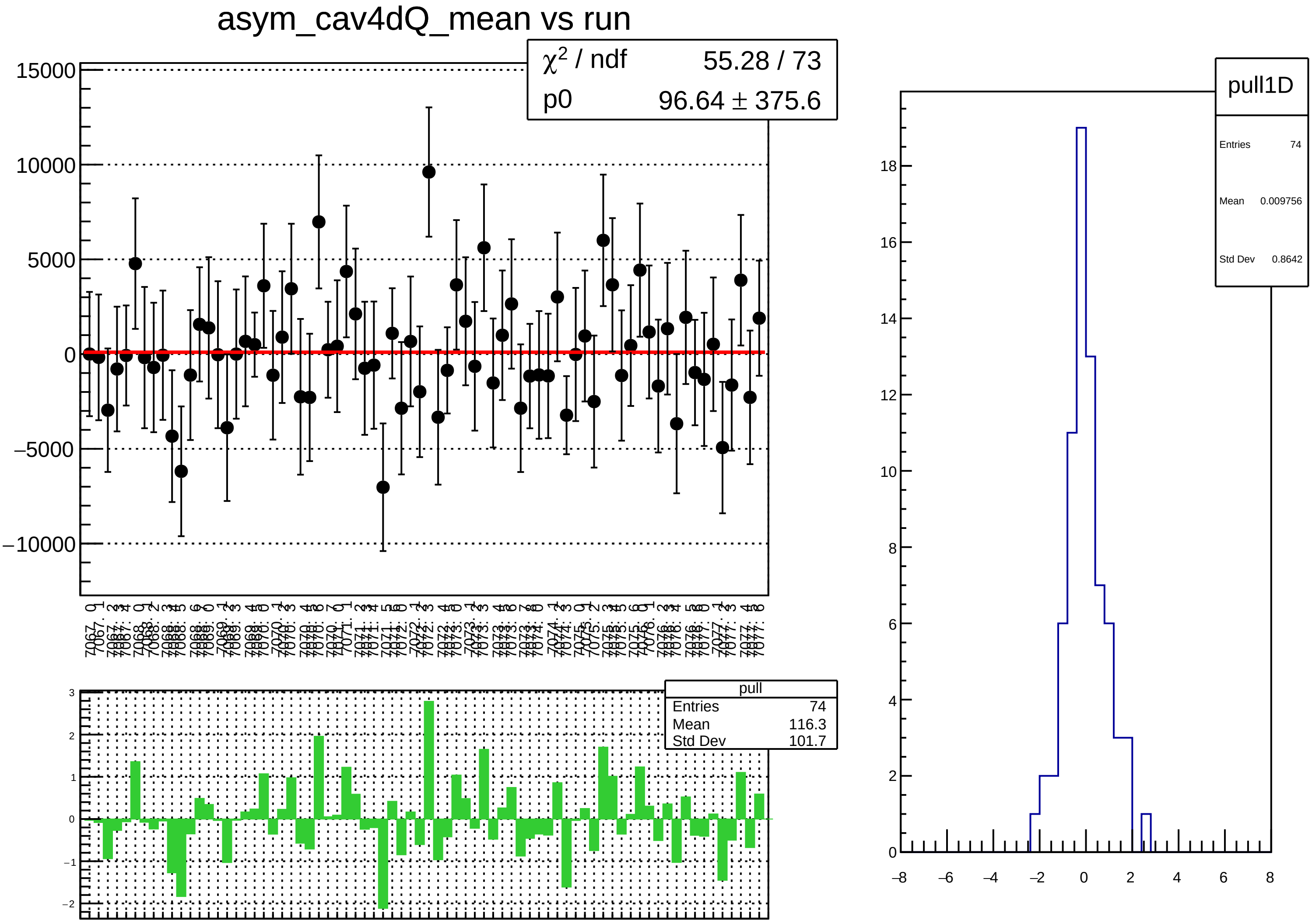

asym_cav4bQ_mean vs run
χ^2 / ndf 79.11 / 73
p0 −62.78 ± 451.1
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 74
Mean −137.7
Std Dev 179.5
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.02392
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

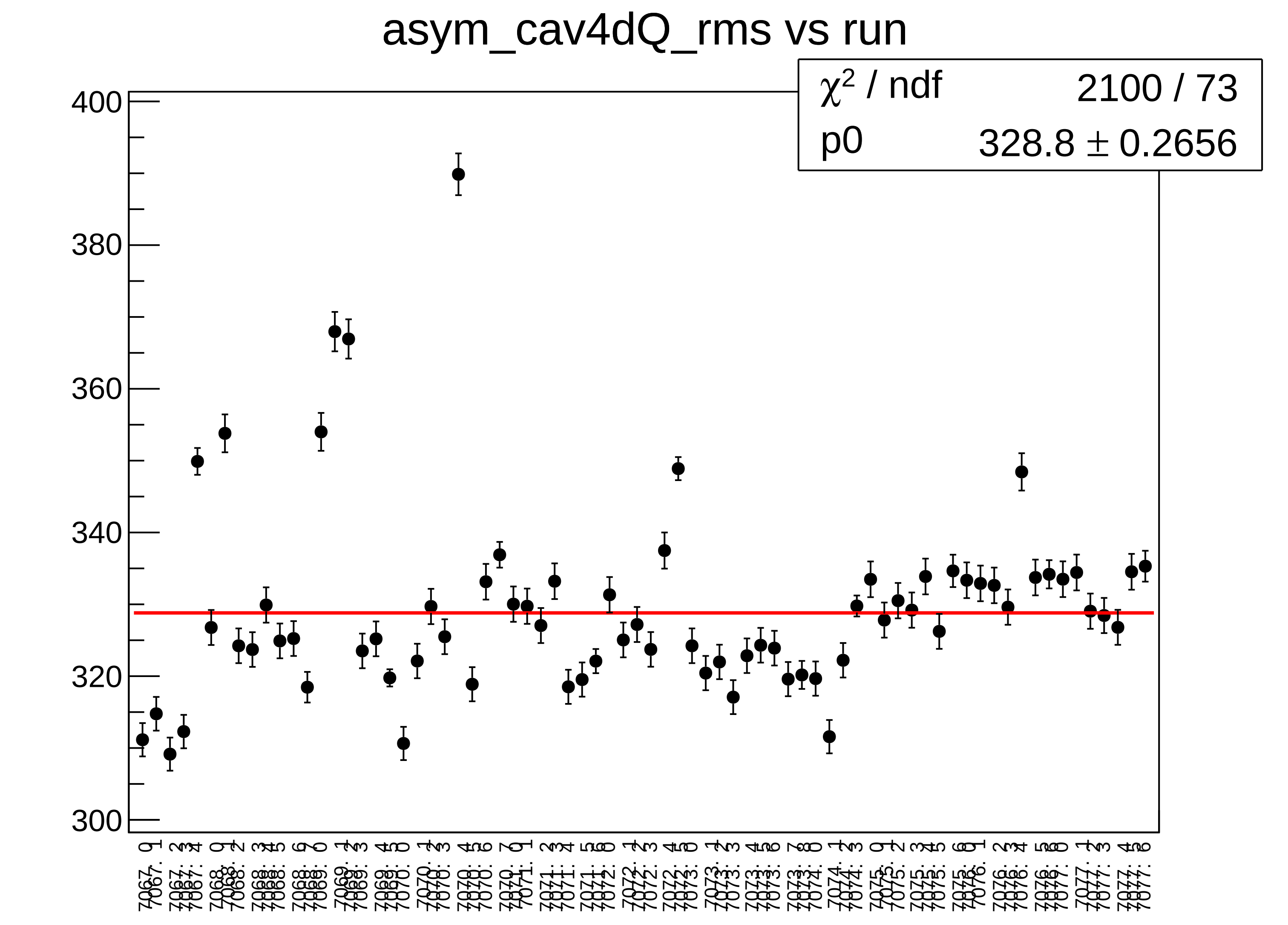

asym_cav4bQ_rms vs run
χ^2 / ndf 2861 / 73
p0 394.8 ± 0.3189
440
420
400
380
360



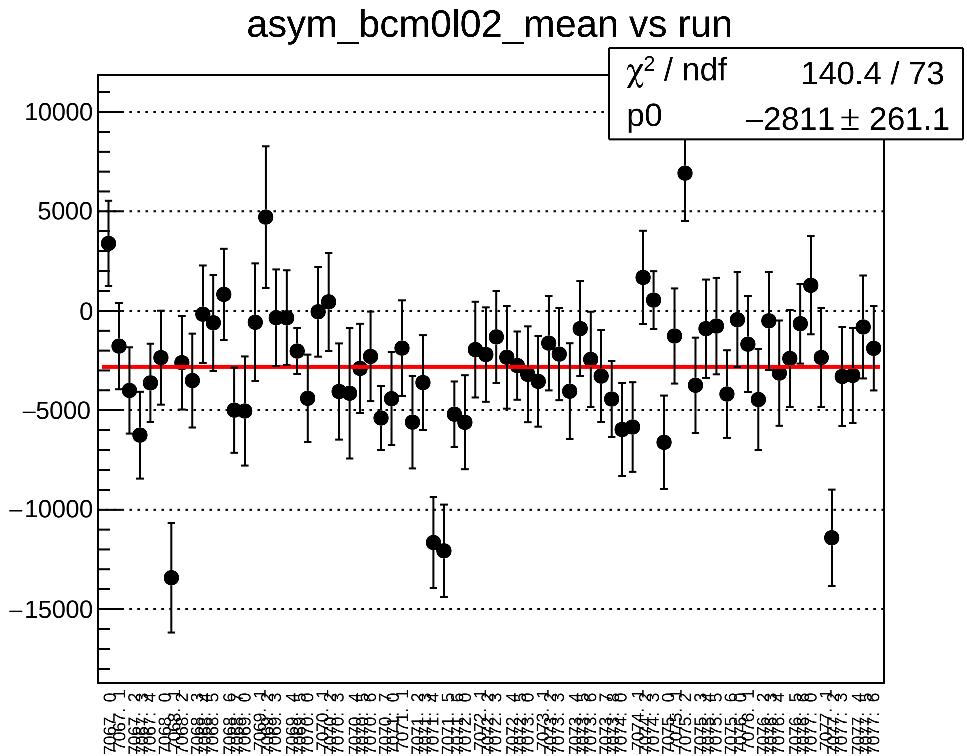
asym_cav4cQ_mean vs run
χ2 / ndf 21.17 / 73
p0 −209.2 ± 217.8
pull
Entries 74
Mean 151.9
Std Dev 110.7
pull1D
Entries 74
Mean −0.01176
Std Dev 0.5347


asym_cav4cQ_rms vs run
χ^2 / ndf 1.126e+04 / 73
p0 190.1 ± 0.154
280
260
240
220
200
180
160

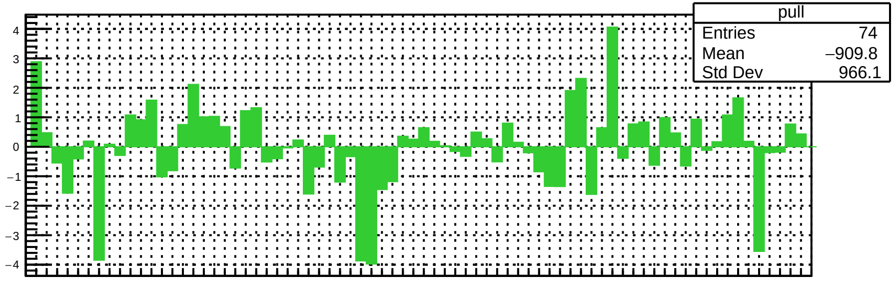

asym_cav4dQ_mean vs run
χ^2 / ndf 55.28 / 73
p0 96.64 ± 375.6
pull
Entries 74
Mean 116.3
Std Dev 101.7
pull1D
Entries 74
Mean 0.009756
Std Dev 0.8642



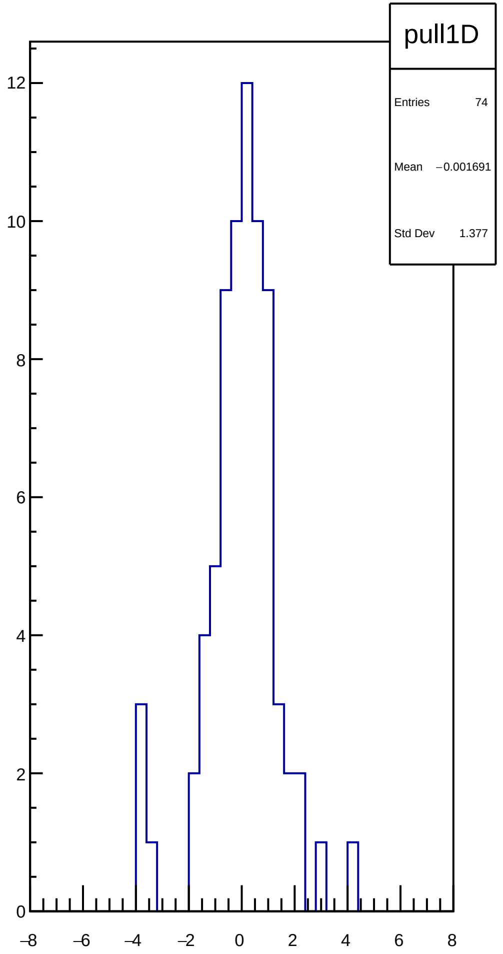
asym_cav4dQ_rms vs run
χ^2 / ndf 2100 / 73
p0 328.8 ± 0.2656
400
380
360
340
320
300



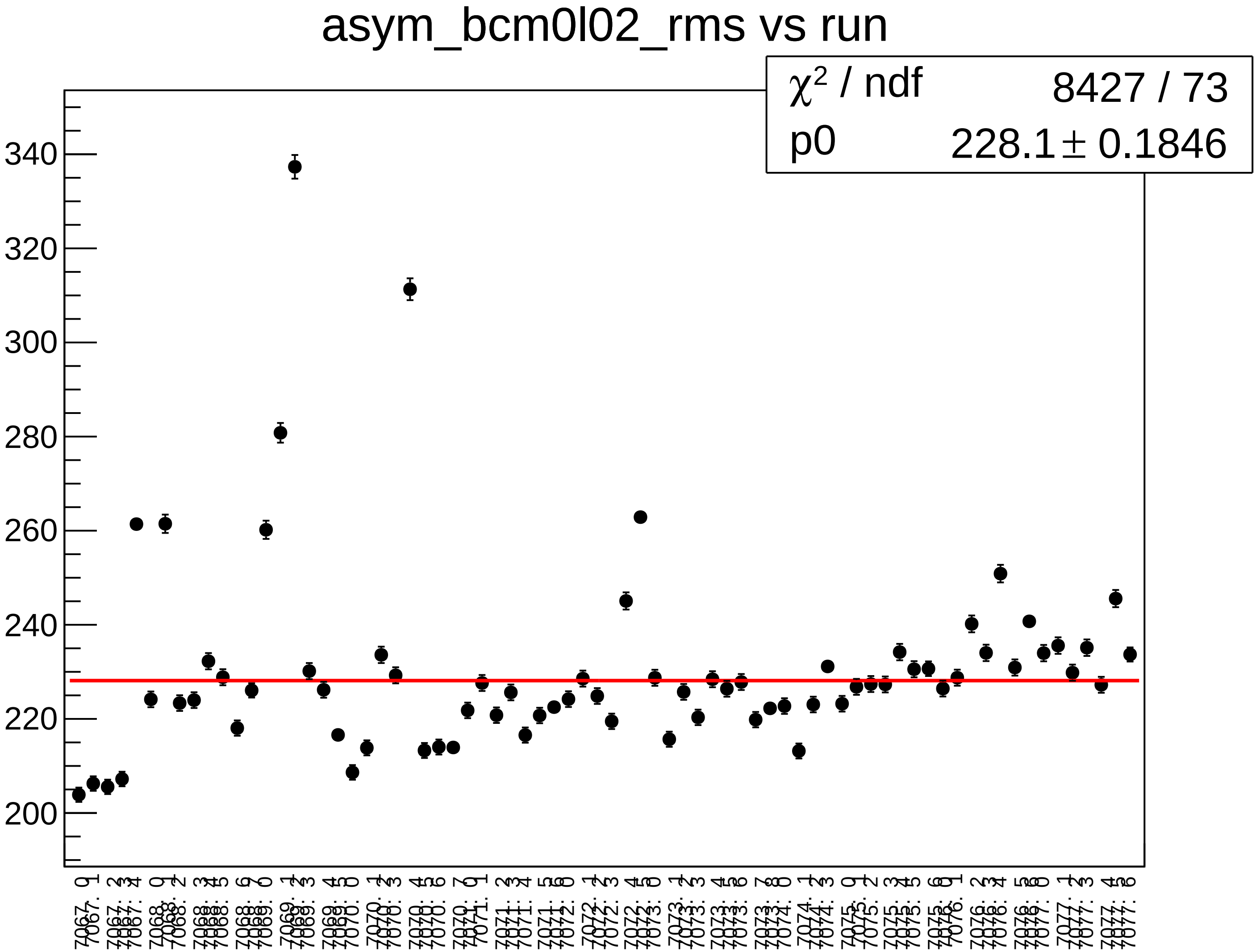
asym_bcm0l02_mean vs run
χ^2 / ndf 140.4 / 73
p0 −2811 ± 261.1
10000
5000
0
−5000
−10000
−15000



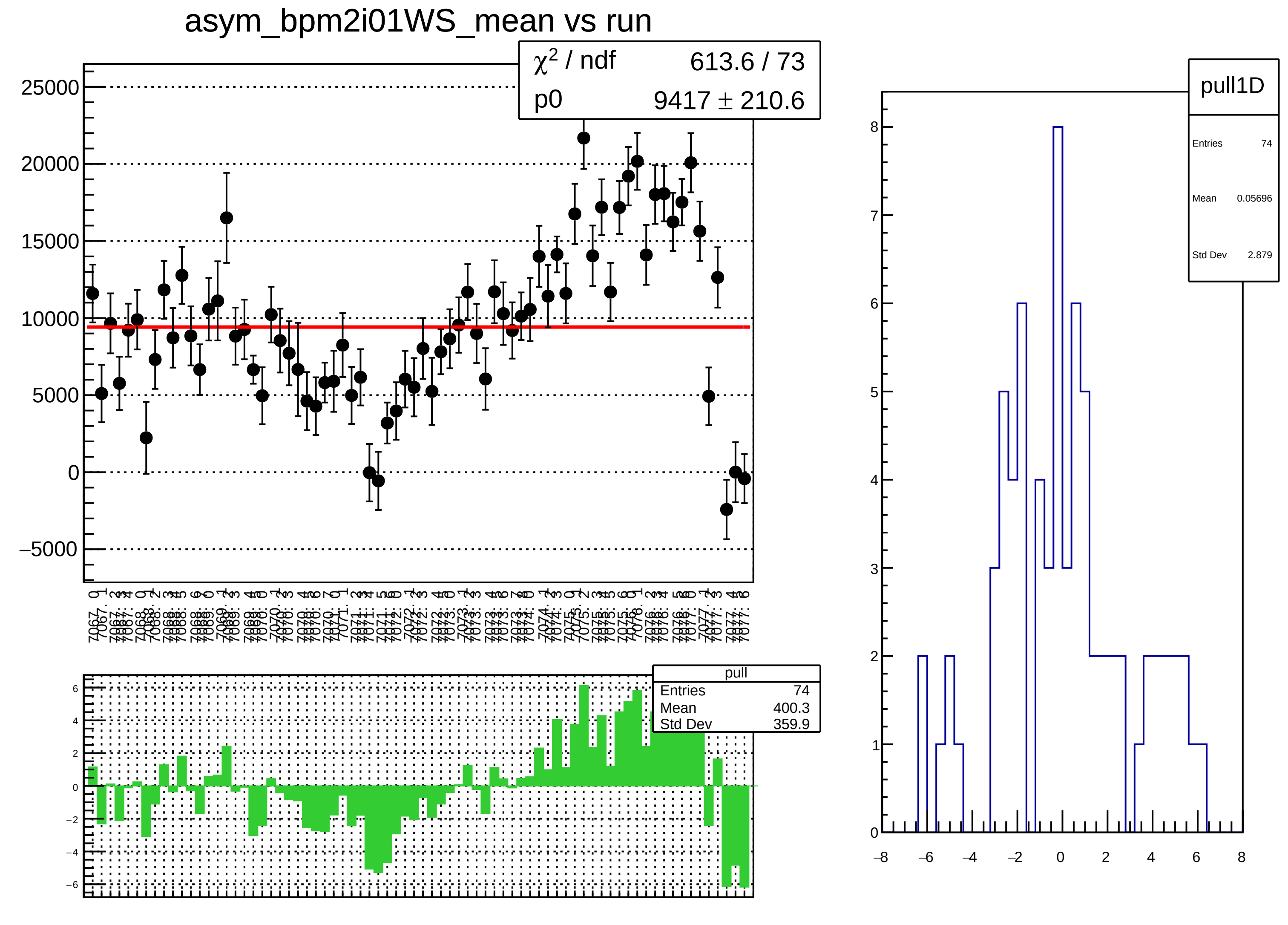
pull
Entries 74
Mean −909.8
Std Dev 966.1



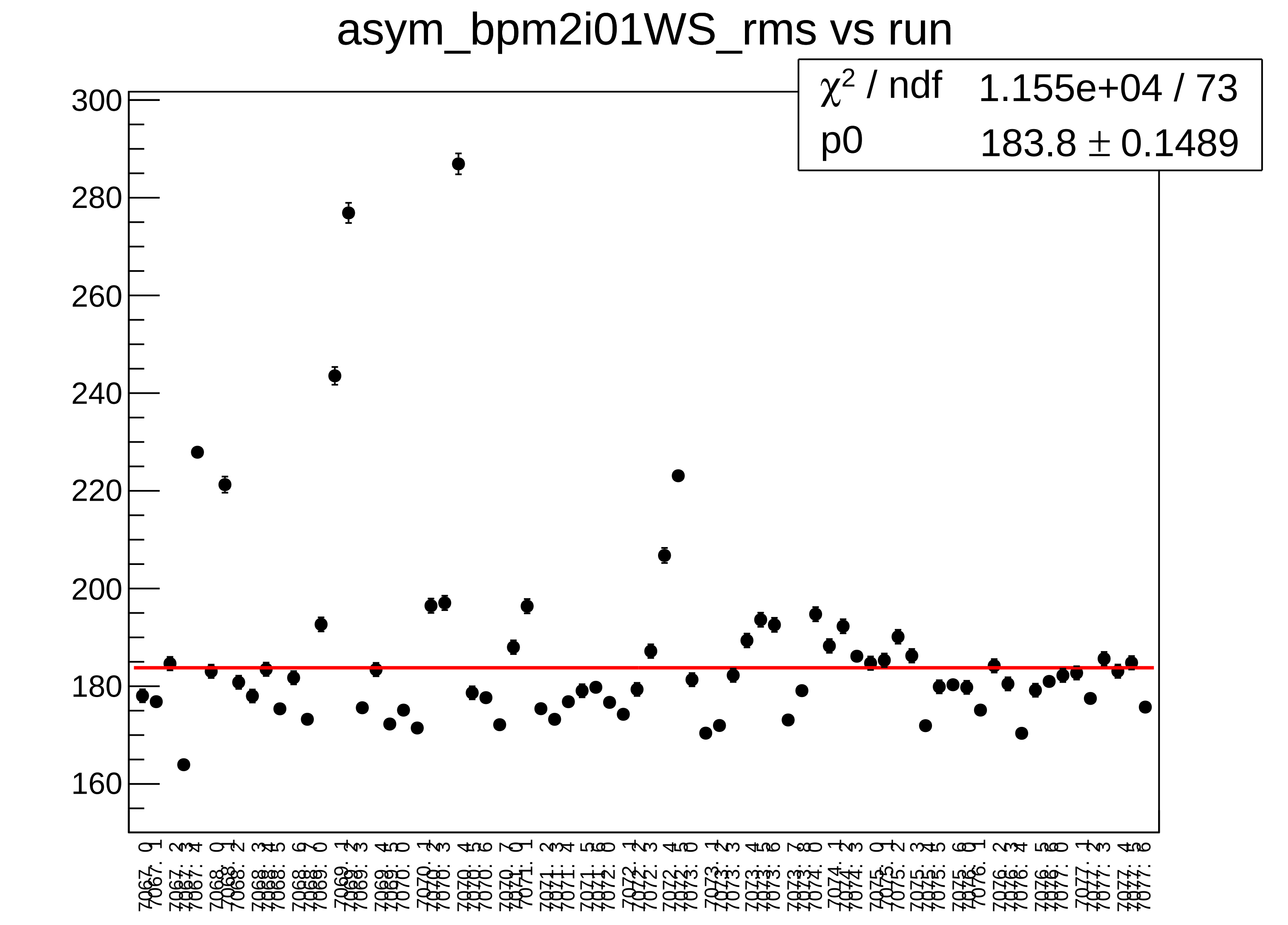
pull1D
Entries 74
Mean −0.001691
Std Dev 1.377

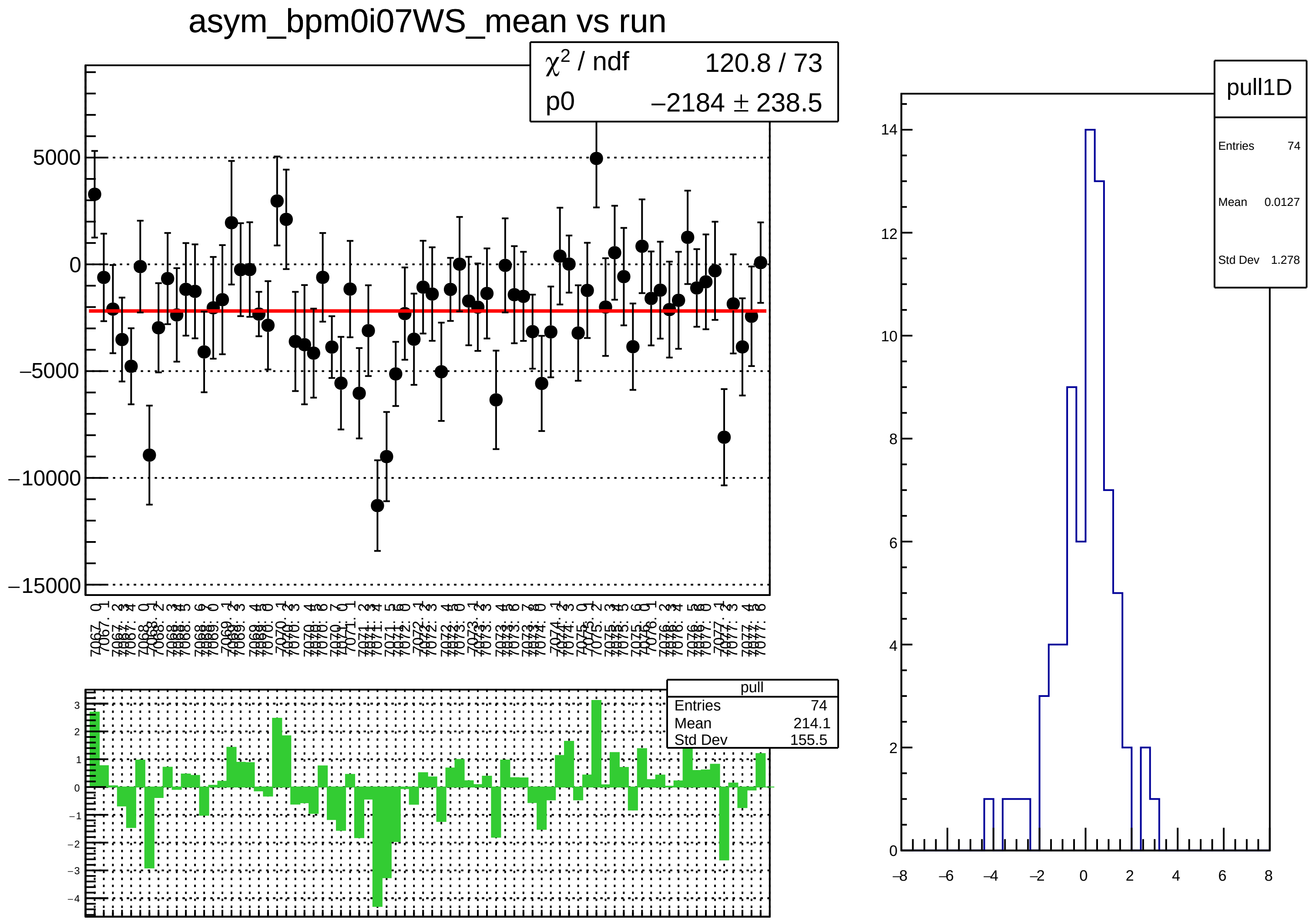


asym_bcm0l02_rms vs run
χ^2 / ndf 8427 / 73
p0 228.1 ± 0.1846
340
320
300
280
260
240
220
200

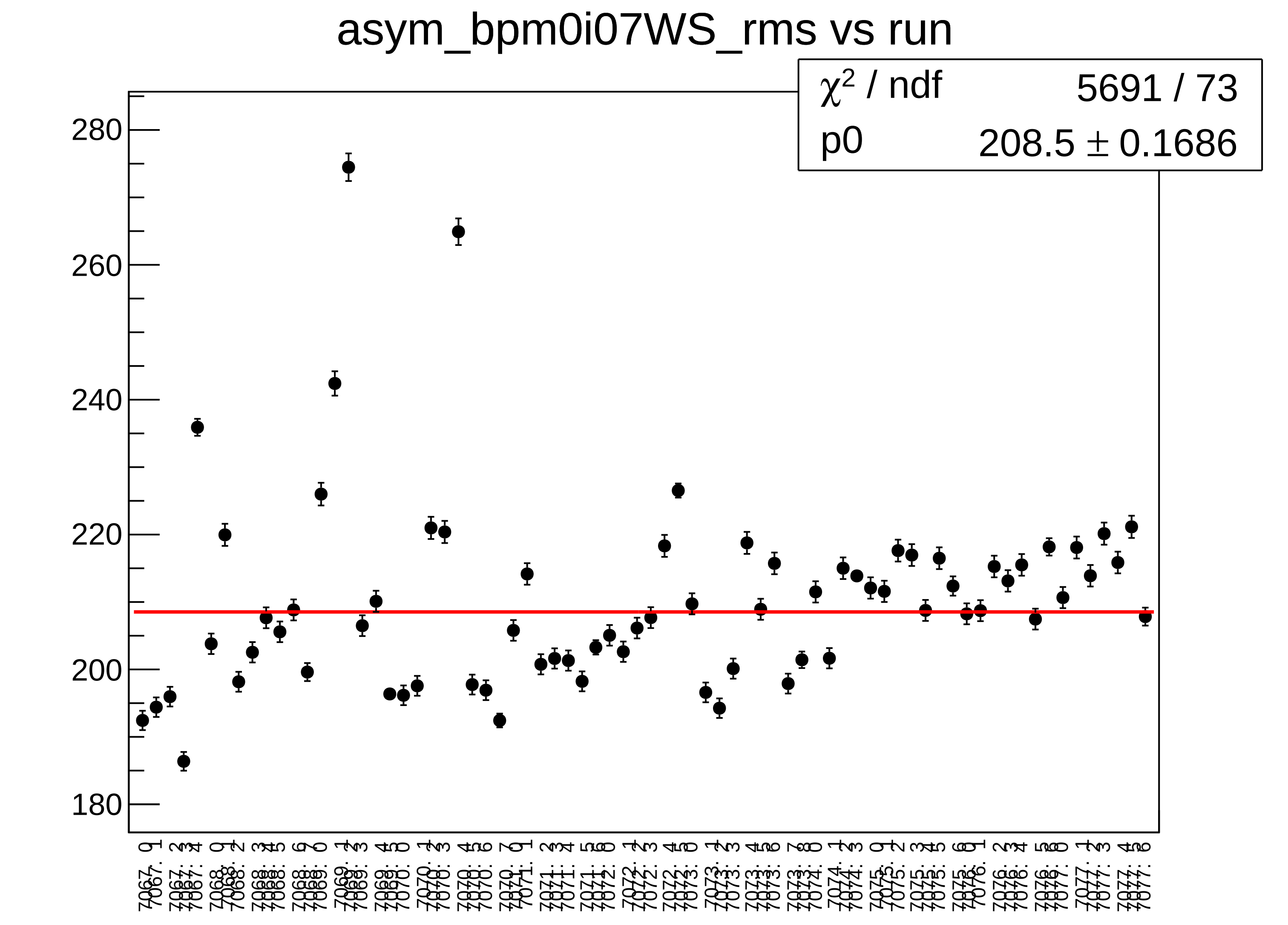


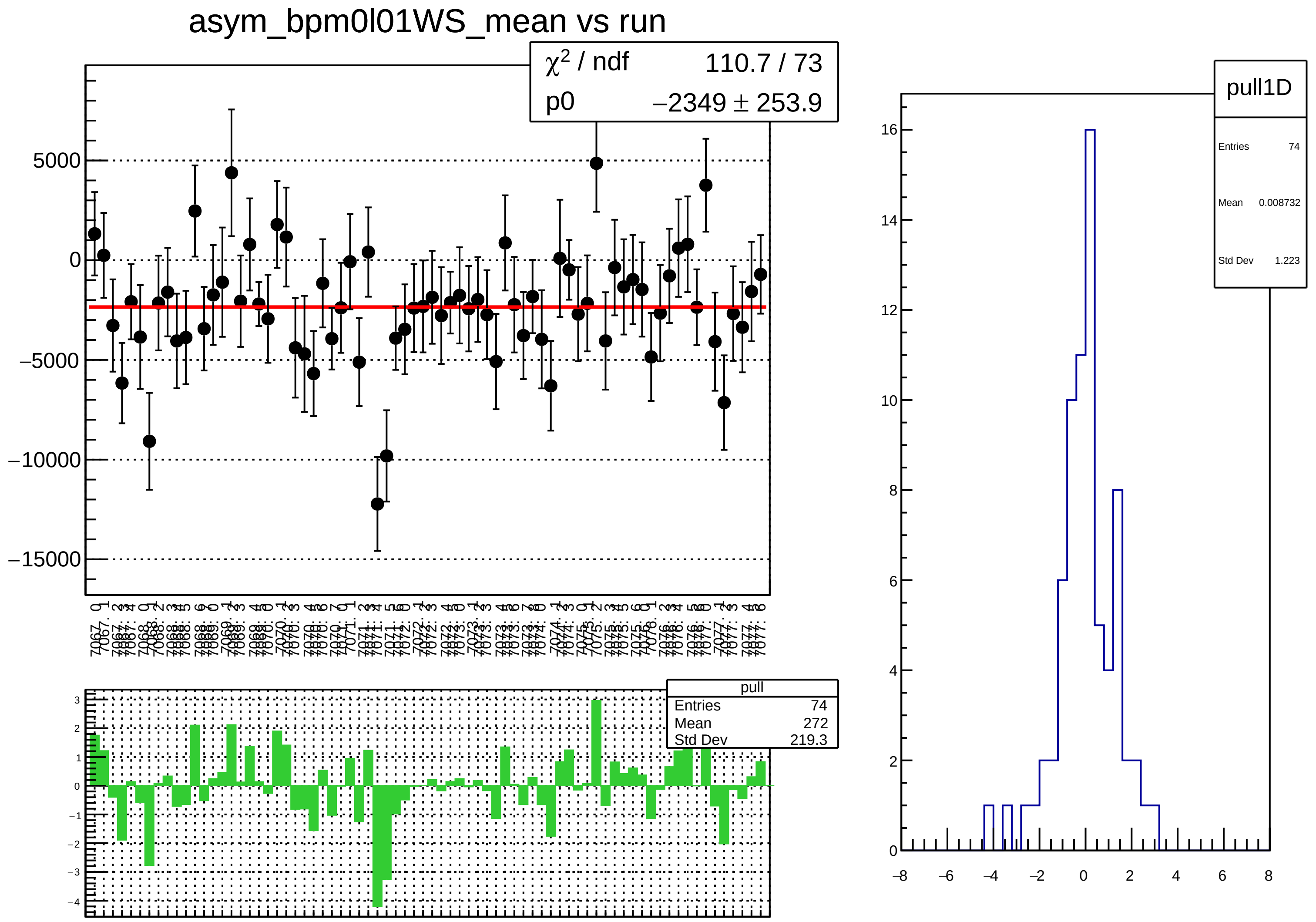
asym_bpm2i01WS_mean vs run
χ^2 / ndf 613.6 / 73
p0 9417 ± 210.6
pull
Entries 74
Mean 400.3
Std Dev 359.9
pull1D
Entries 74
Mean 0.05696
Std Dev 2.879

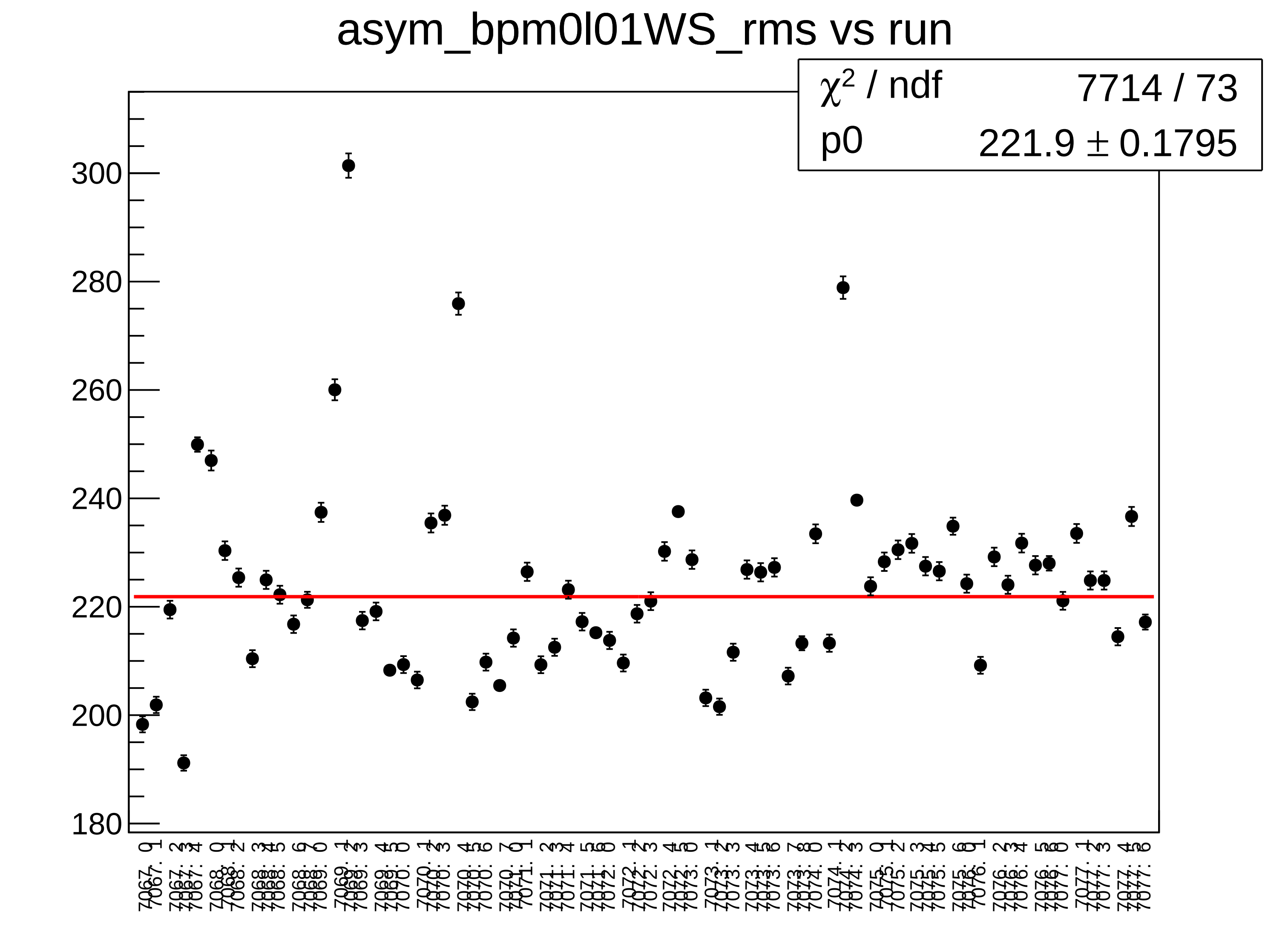

asym_bpm2i01WS_rms vs run
χ^2 / ndf 1.155e+04 / 73
p0 183.8 ± 0.1489



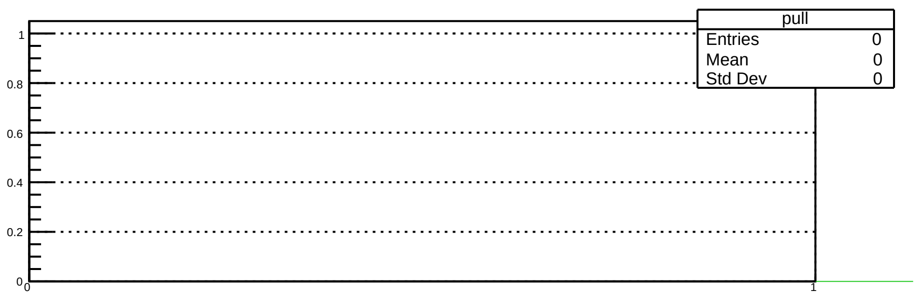
asym_bpm0i07WS_mean vs run
χ^2 / ndf 120.8 / 73
p0 −2184 ± 238.5
pull
Entries 74
Mean 214.1
Std Dev 155.5
pull1D
Entries 74
Mean 0.0127
Std Dev 1.278

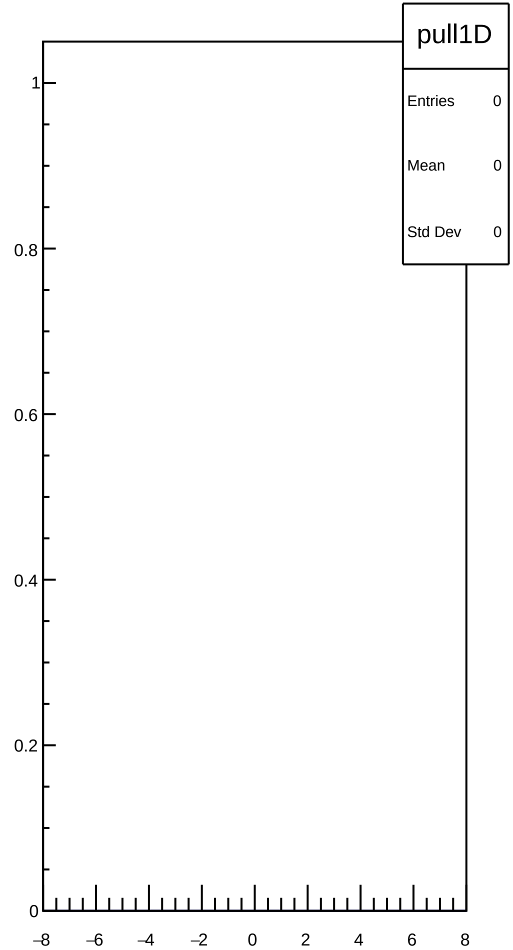

asym_bpm0i07WS_rms vs run
χ² / ndf 5691 / 73
p0 208.5 ± 0.1686
280
260
240
220
200
180

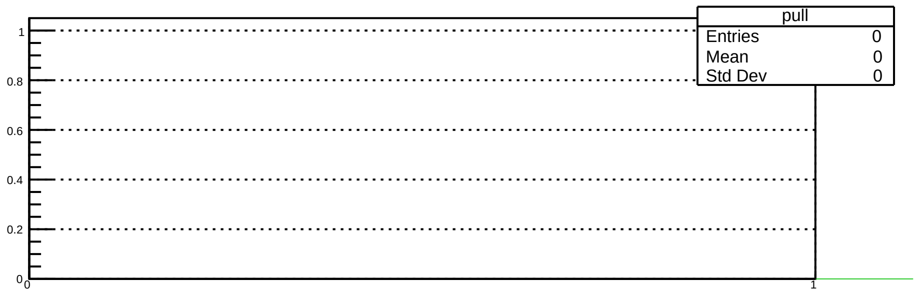

asym_bpm0l01WS_mean vs run
χ2 / ndf 110.7 / 73
p0 −2349 ± 253.9
pull
Entries 74
Mean 272
Std Dev 219.3
pull1D
Entries 74
Mean 0.008732
Std Dev 1.223

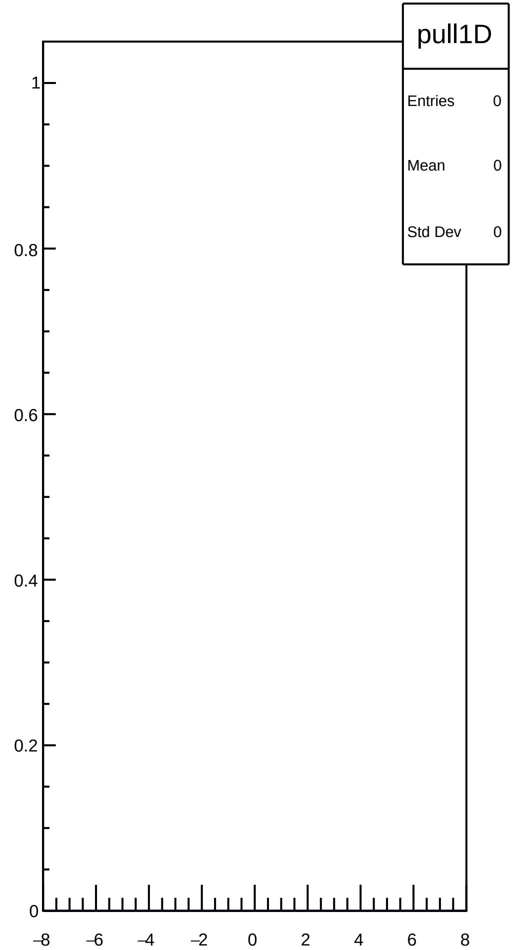


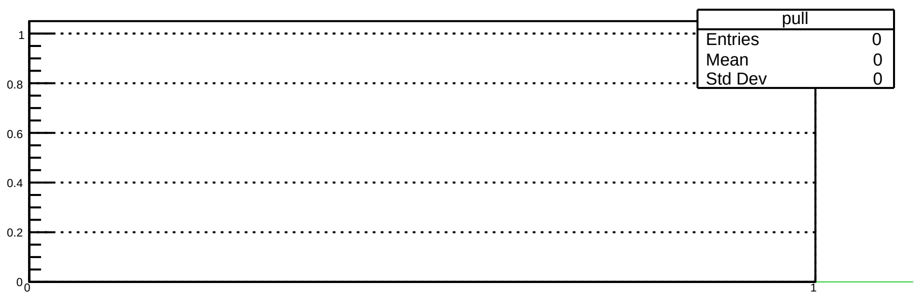
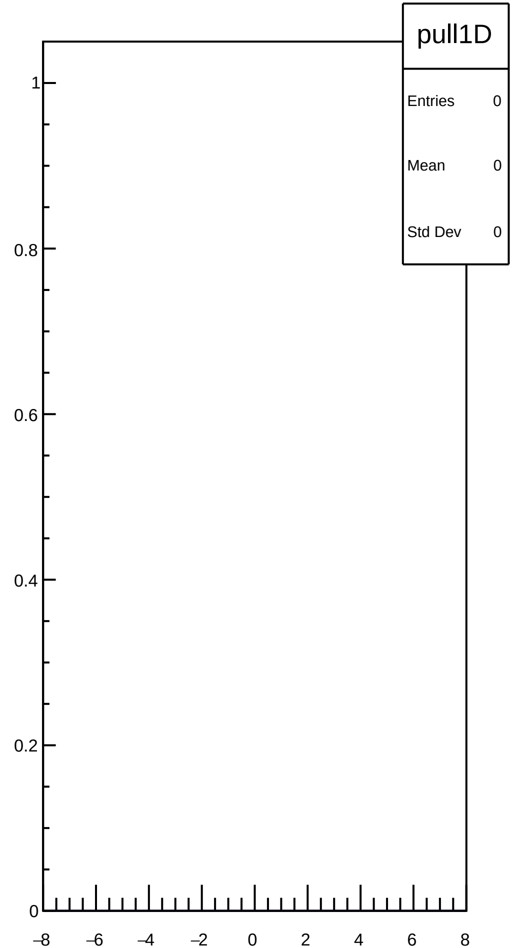
asym_bpm0l01WS_rms vs run
χ^2 / ndf 7714 / 73
p0 221.9 ± 0.1795

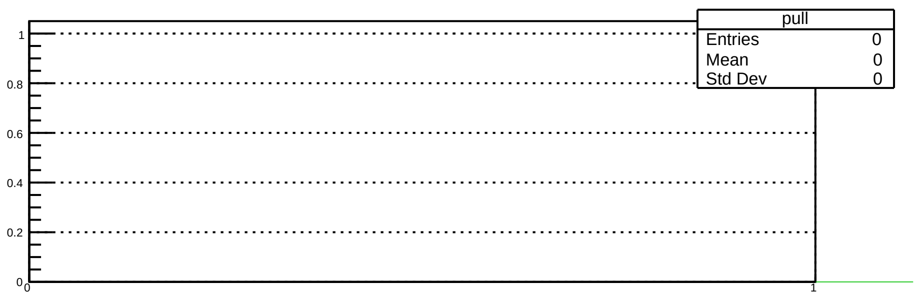

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

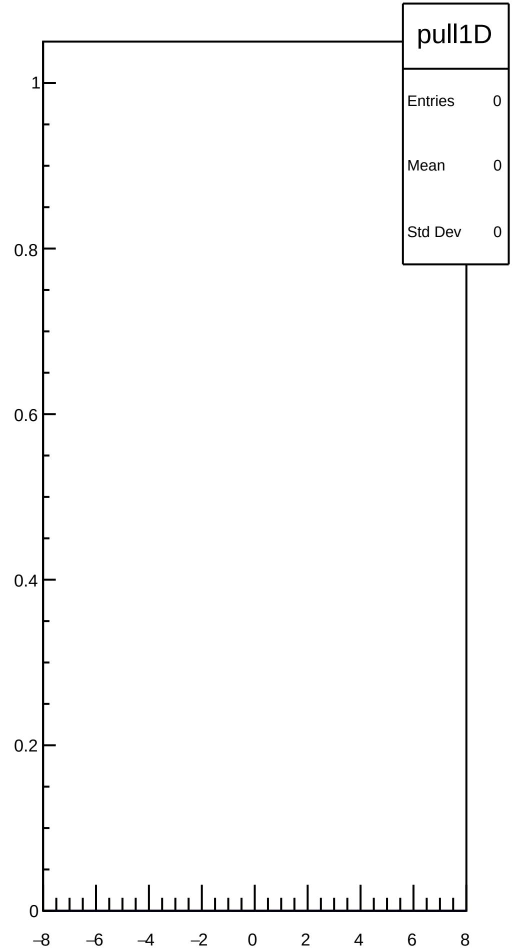

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

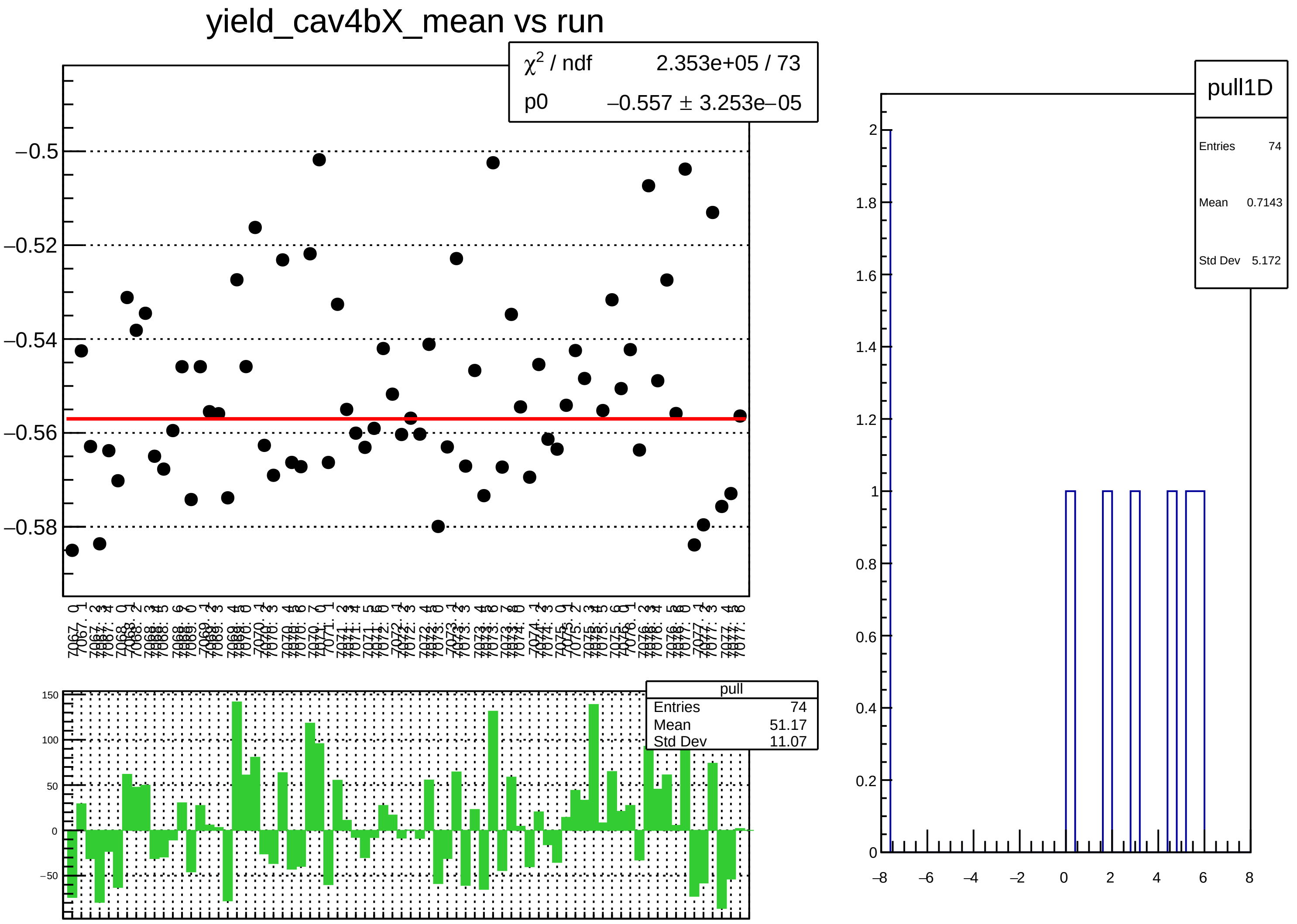

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


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

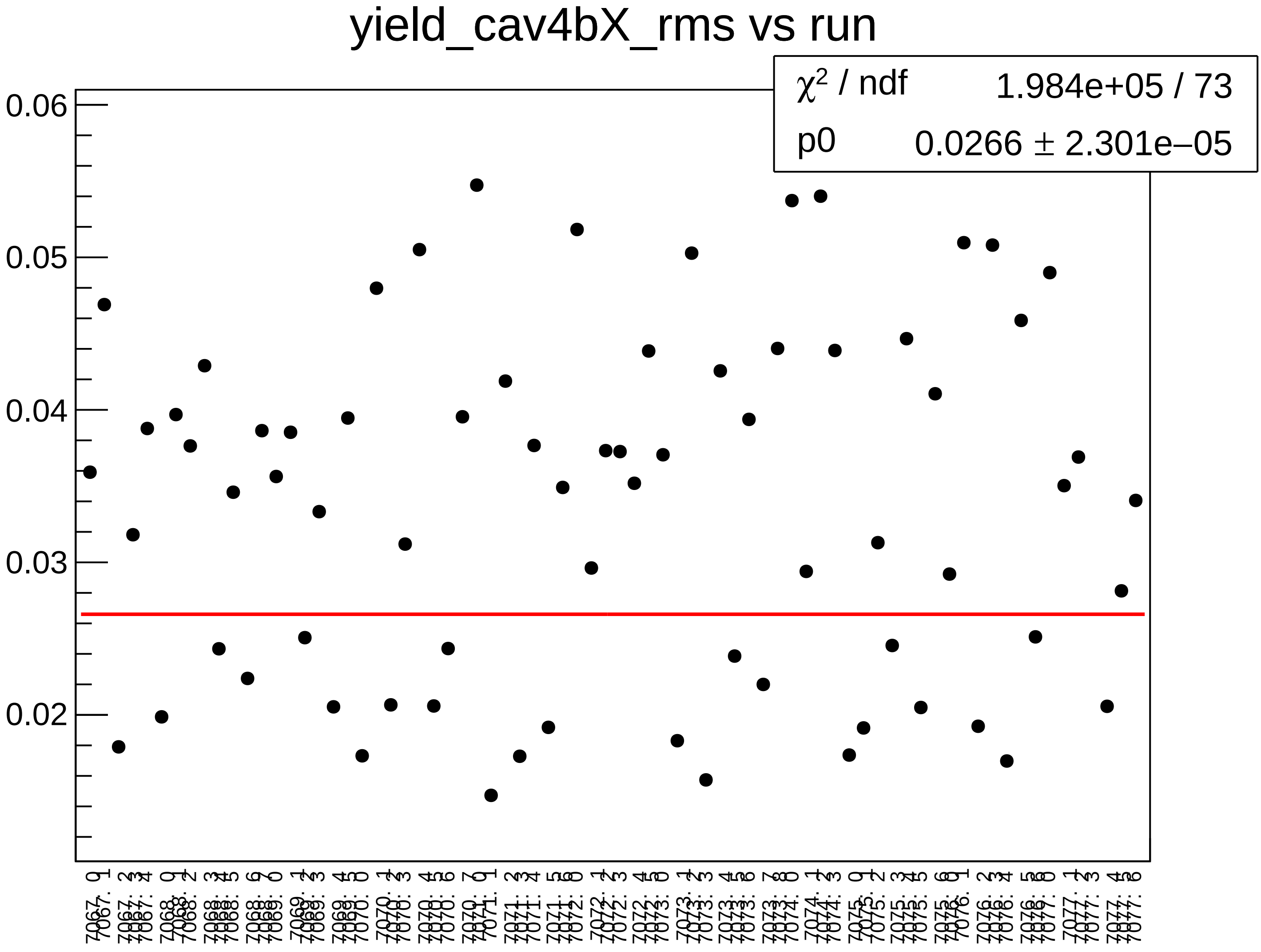

pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1

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

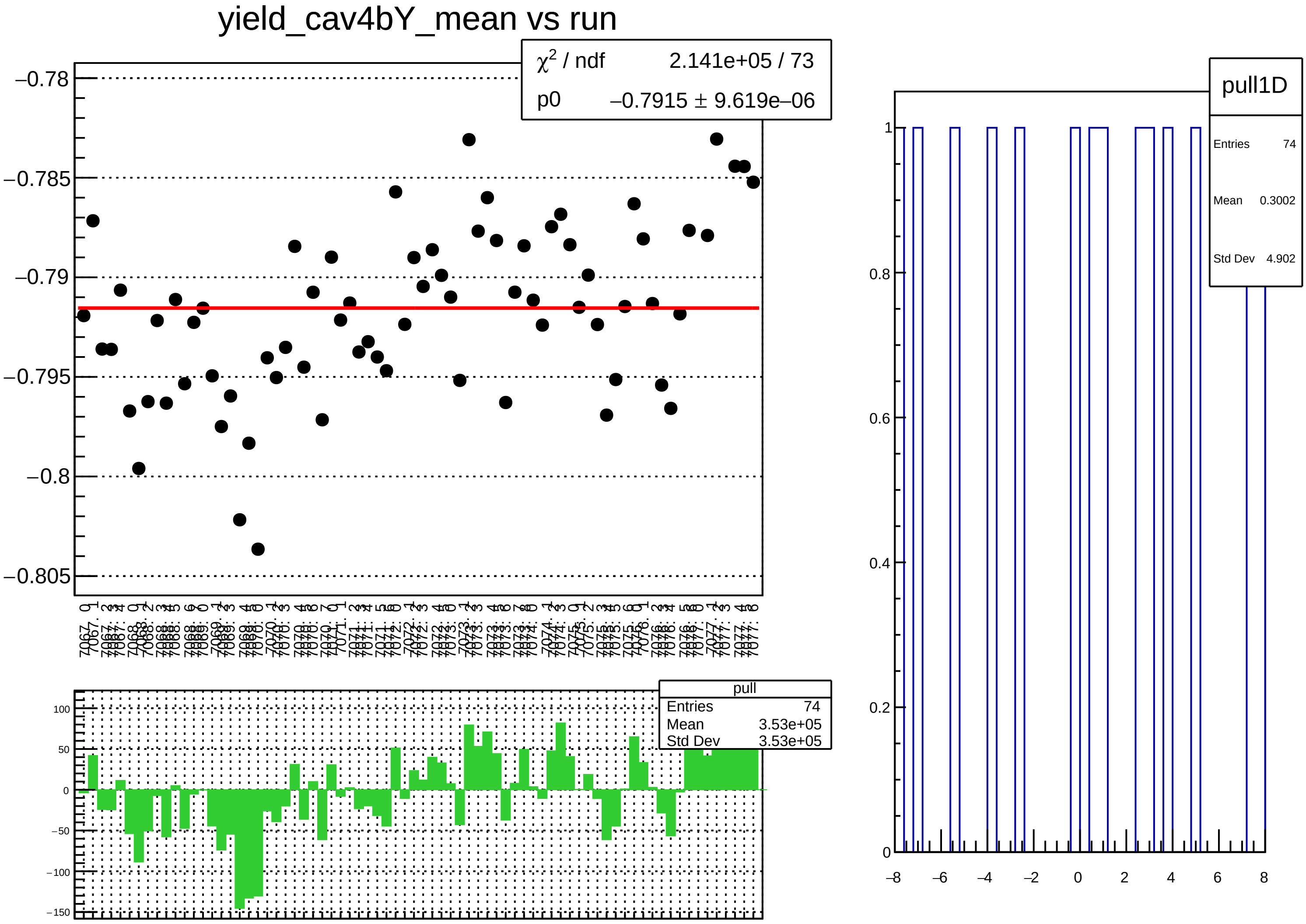

pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1


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

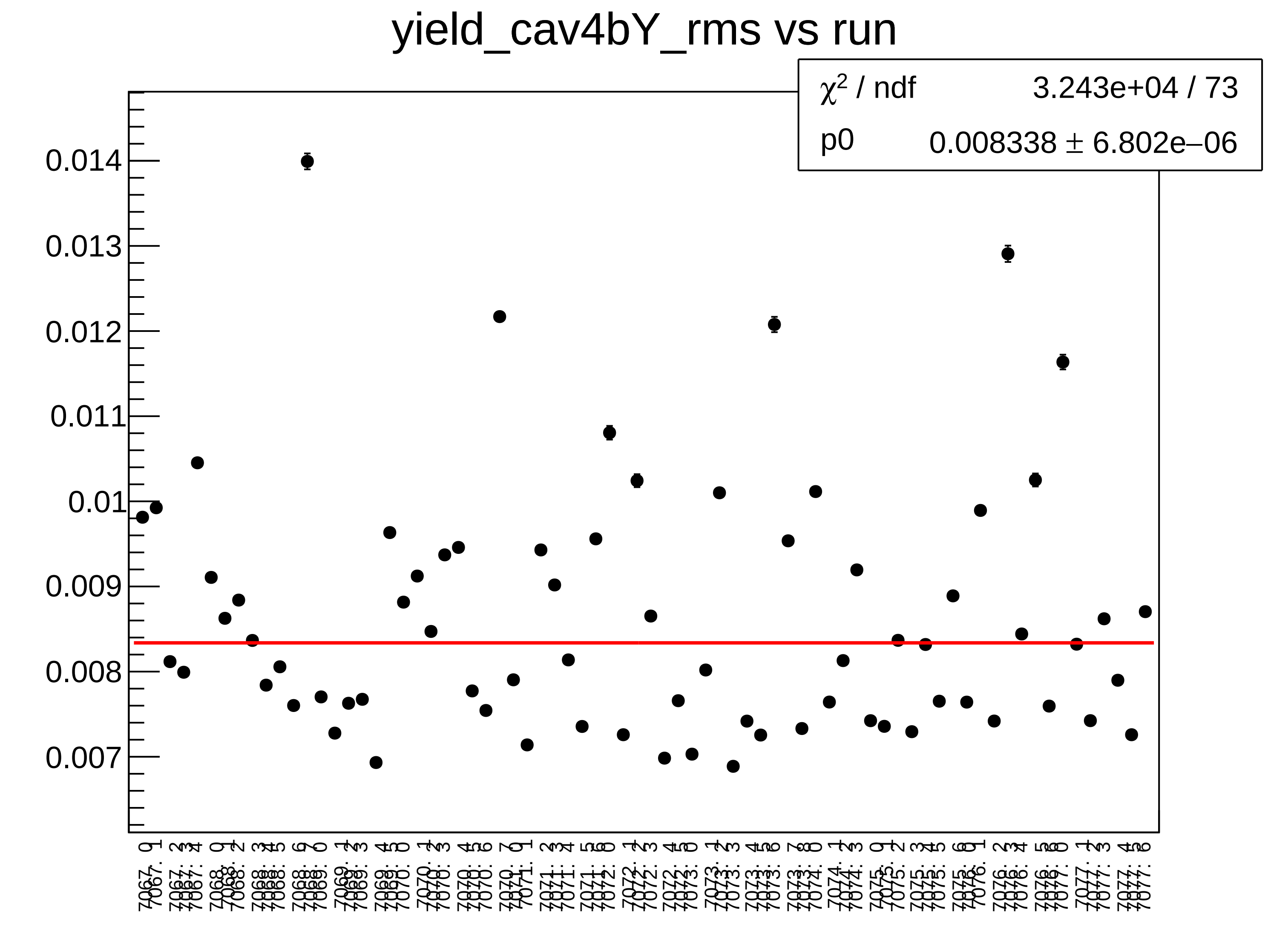


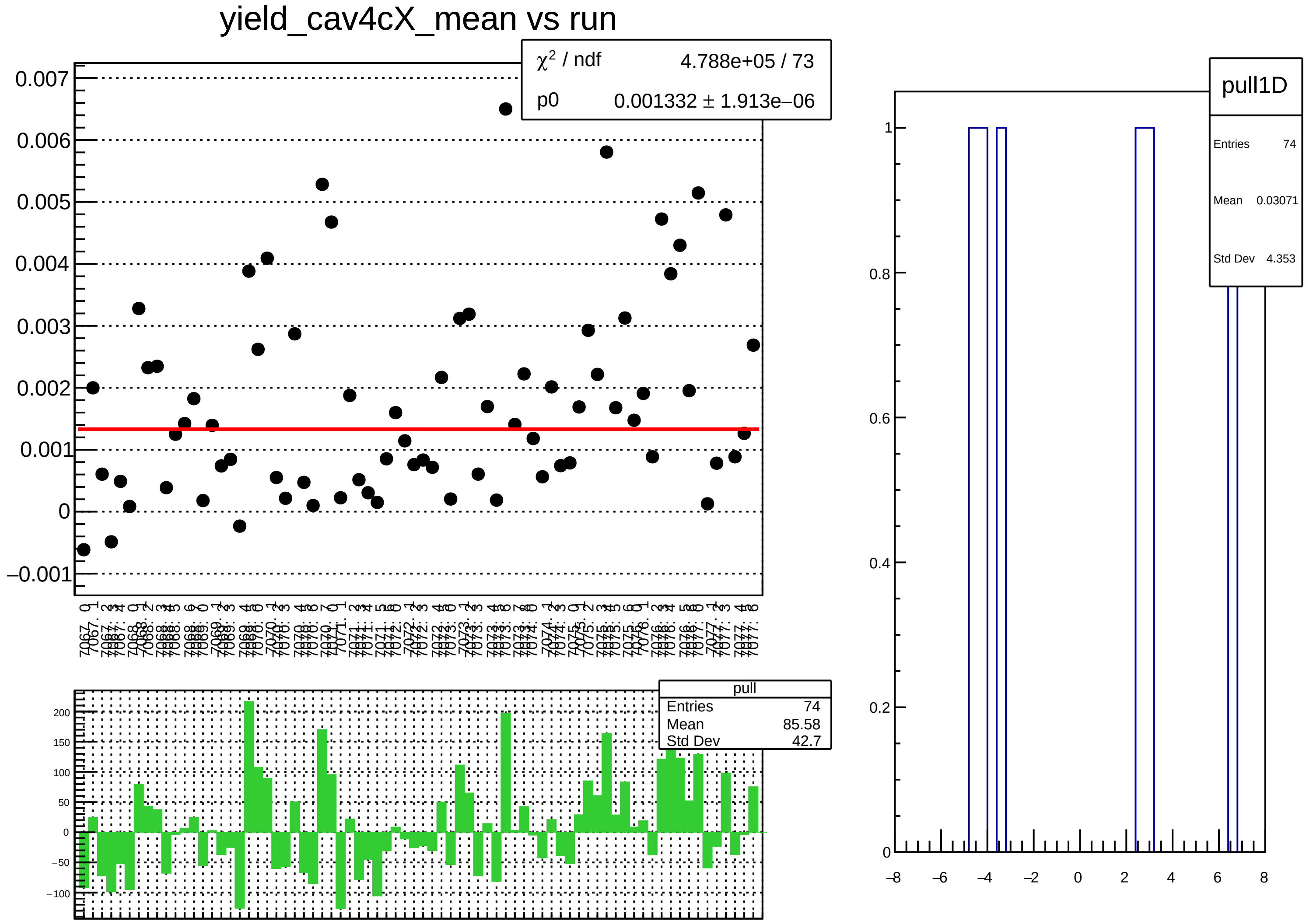
yield_cav4bX_mean vs run
χ^2 / ndf 2.353e+05 / 73
p0 −0.557 ± 3.253e−05
pull
Entries 74
Mean 51.17
Std Dev 11.07
pull1D
Entries 74
Mean 0.7143
Std Dev 5.172


yield_cav4bX_rms vs run
χ2 / ndf 1.984e+05 / 73
p0 0.0266 ± 2.301e−05
0.06
0.05
0.04
0.03
0.02

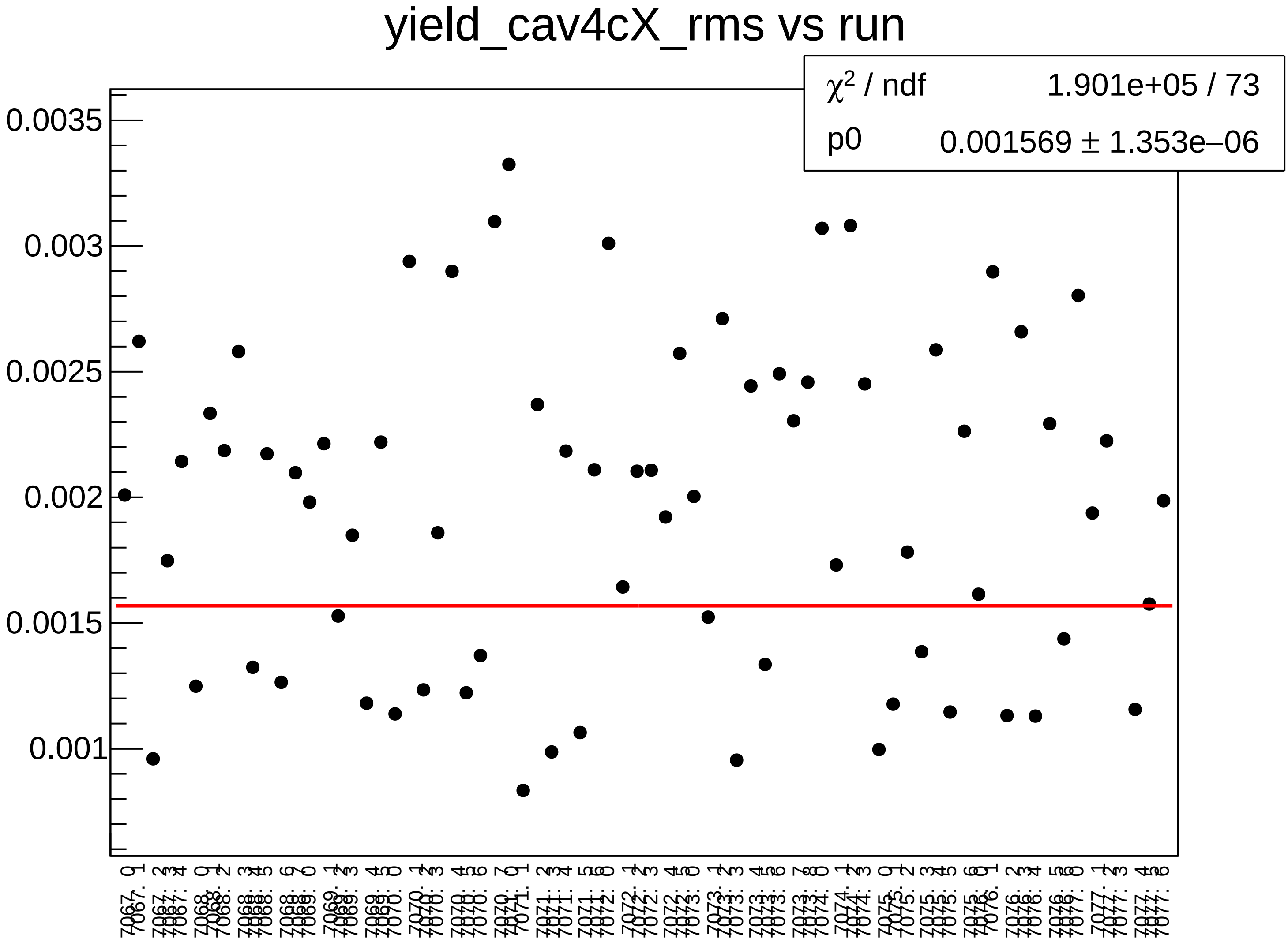


yield_cav4bY_mean vs run
χ^2 / ndf 2.141e+05 / 73
p0 −0.7915 ± 9.619e−06
pull
Entries 74
Mean 3.53e+05
Std Dev 3.53e+05
pull1D
Entries 74
Mean 0.3002
Std Dev 4.902

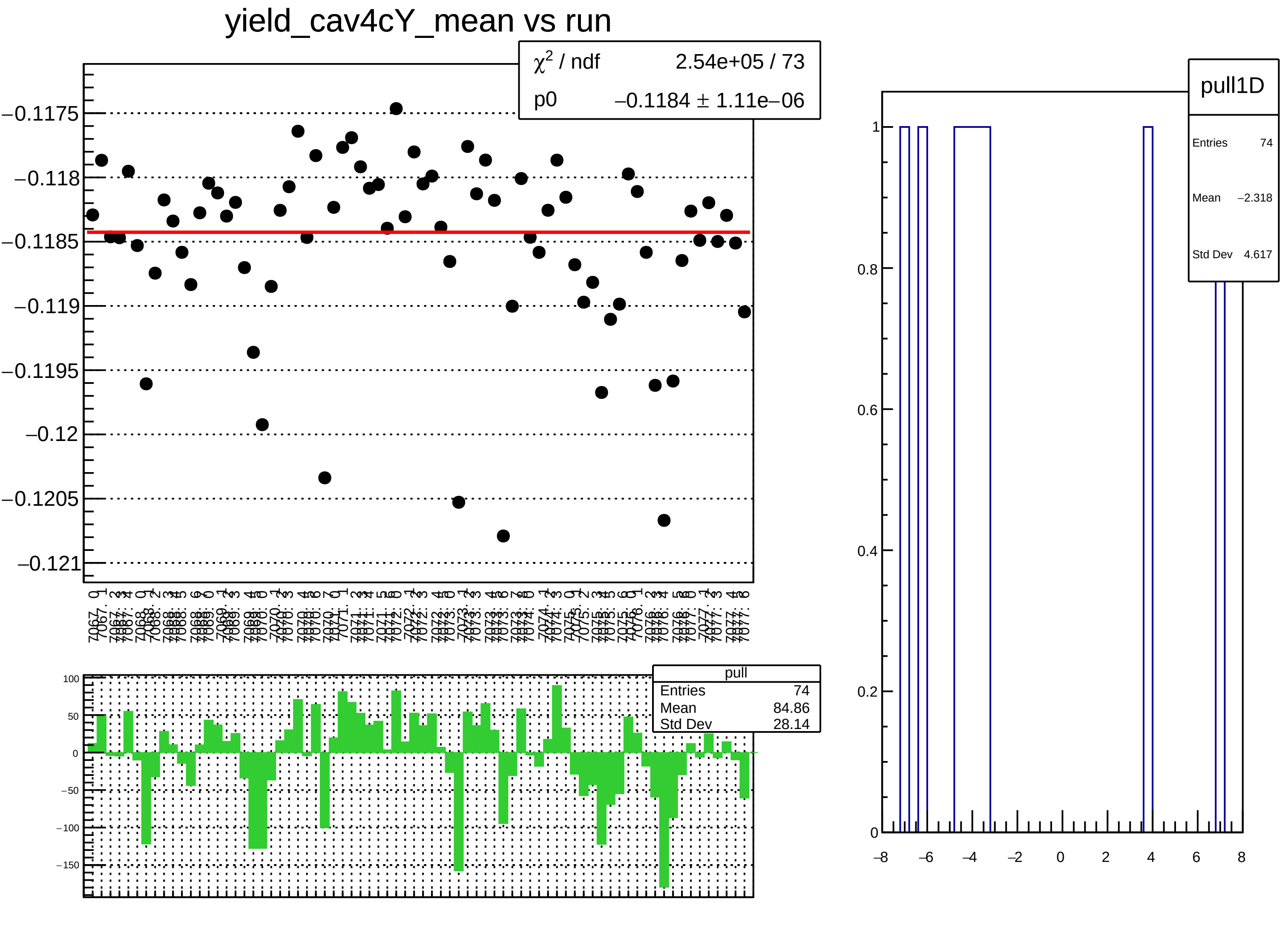

yield_cav4bY_rms vs run
χ^2 / ndf 3.243e+04 / 73
p0 0.008338 ± 6.802e−06
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007



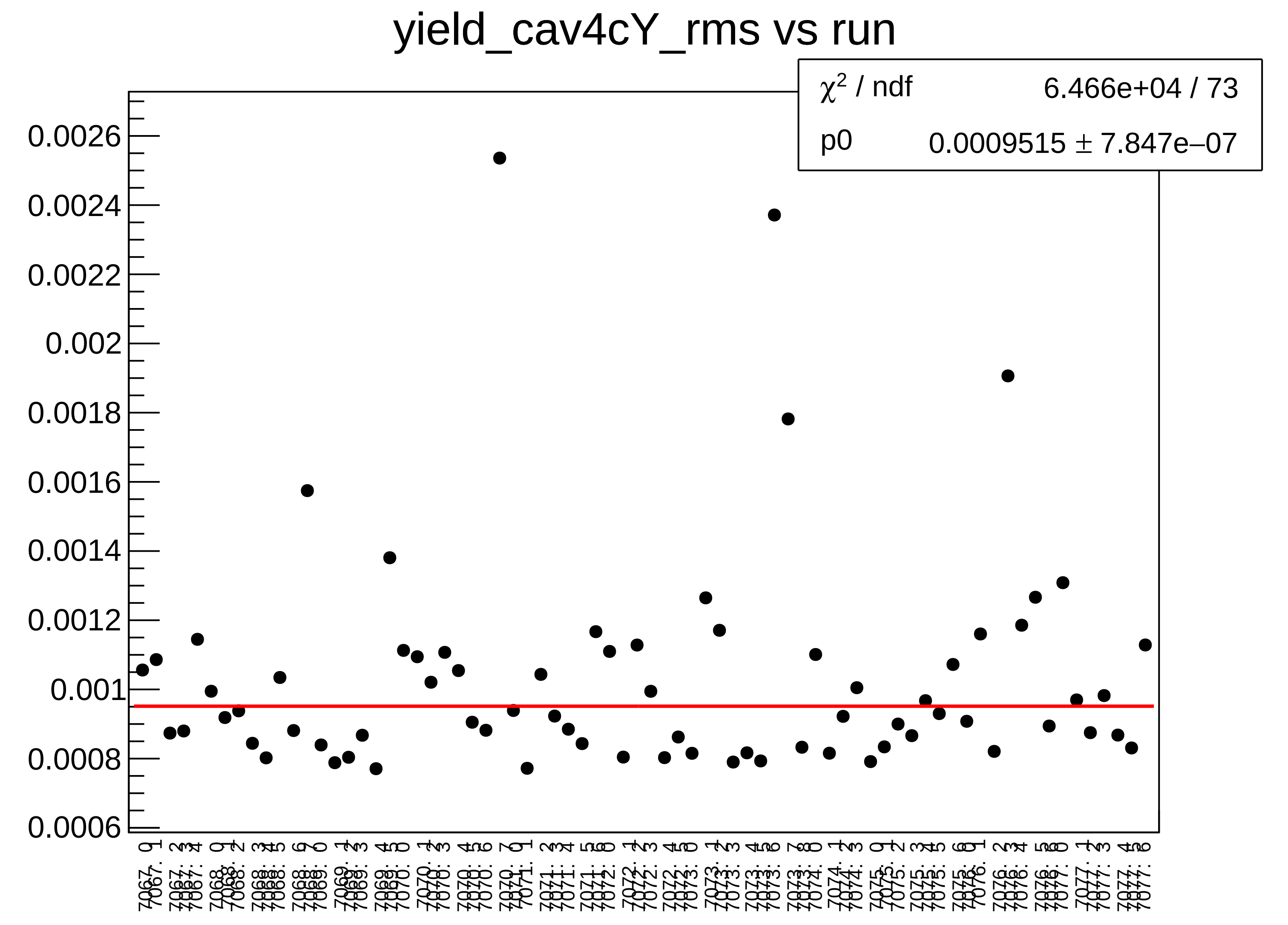
yield_cav4cX_mean vs run
χ2 / ndf 4.788e+05 / 73
p0 0.001332 ± 1.913e−06
pull
Entries 74
Mean 85.58
Std Dev 42.7
pull1D
Entries 74
Mean 0.03071
Std Dev 4.353

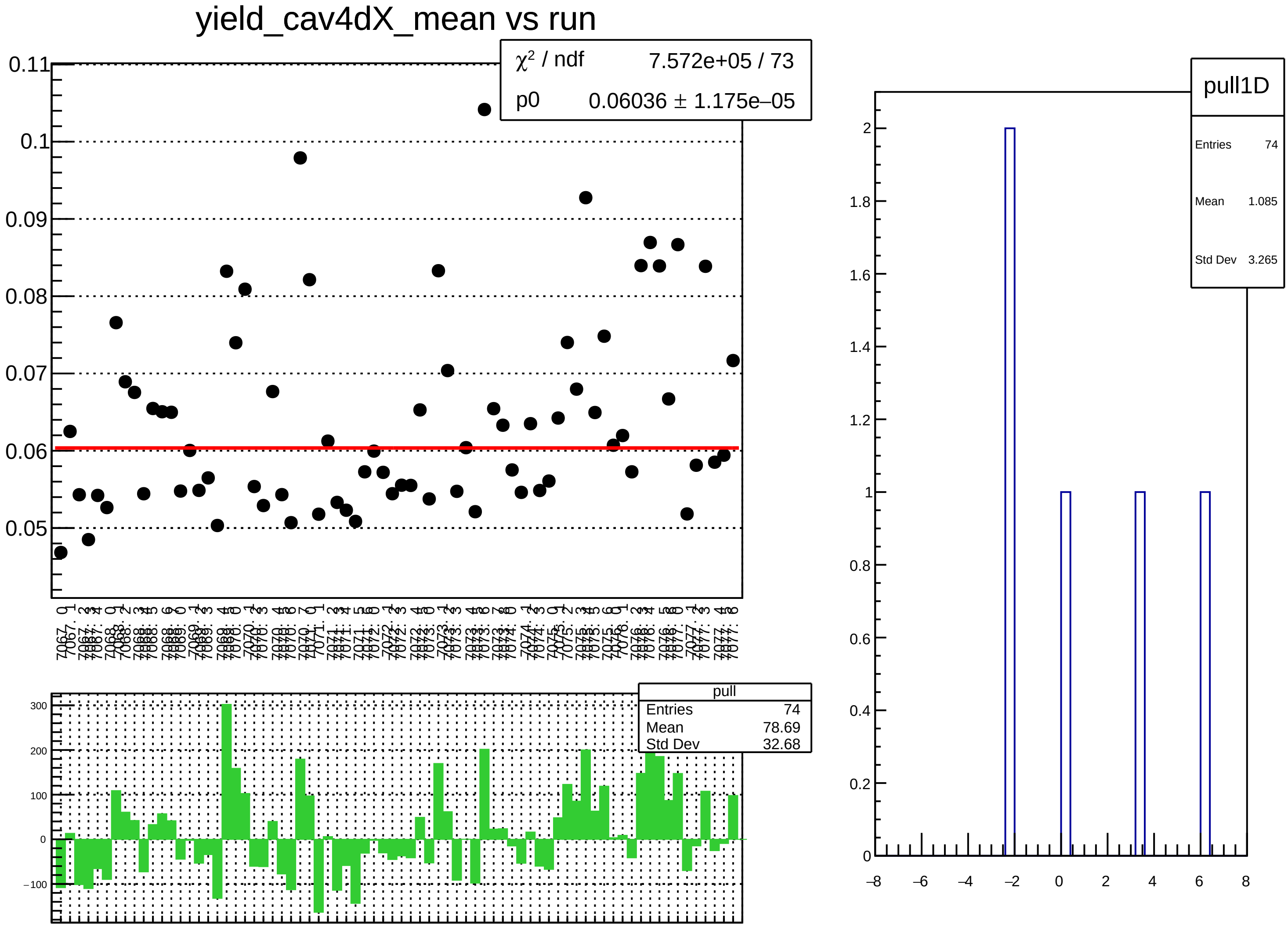


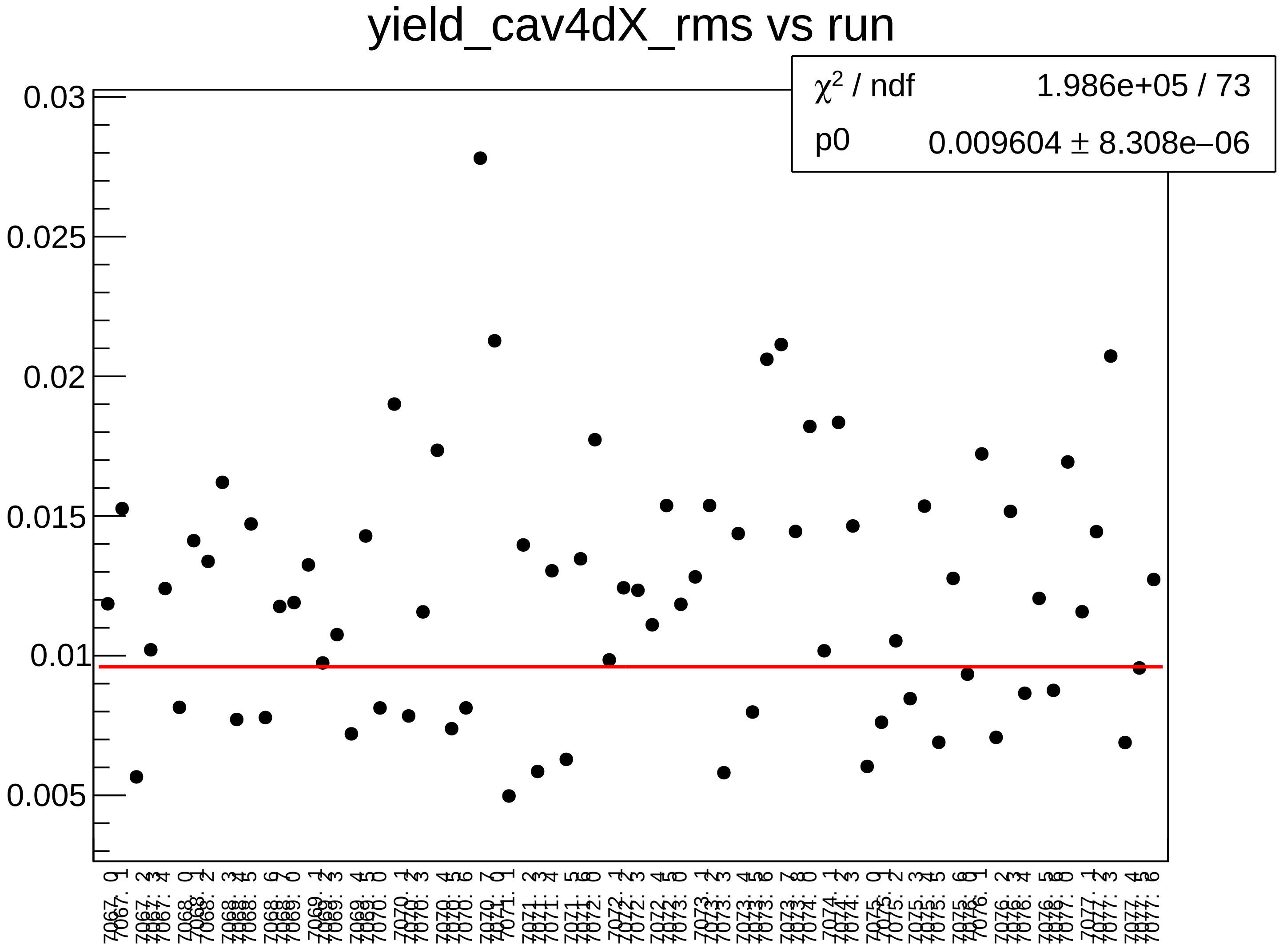
yield_cav4cX_rms vs run
χ^2 / ndf 1.901e+05 / 73
p0 0.001569 ± 1.353e−06
0.0035
0.003
0.0025
0.002
0.0015
0.001



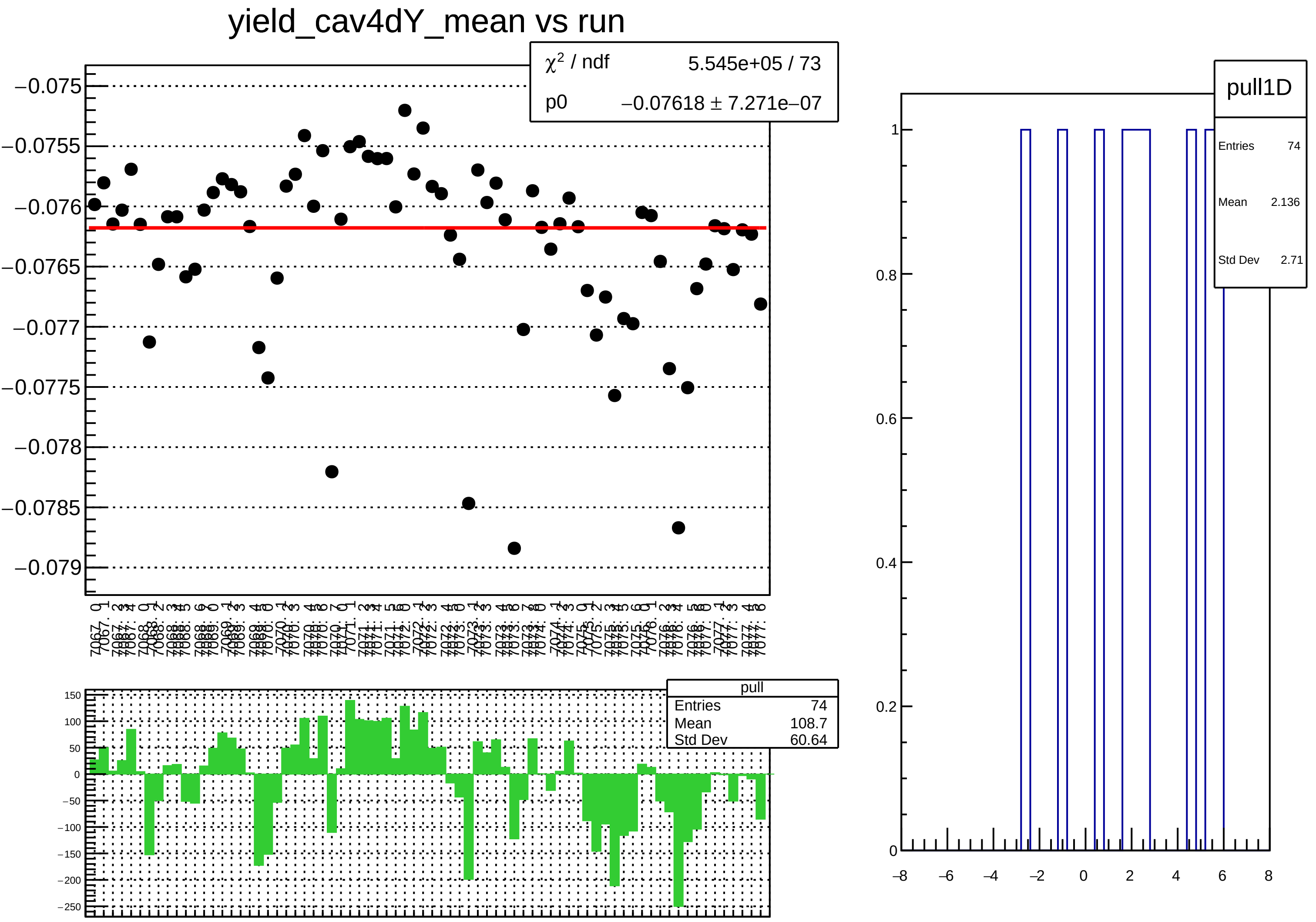
yield_cav4cY_mean vs run
χ^2 / ndf 2.54e+05 / 73
p0 −0.1184 ± 1.11e−06
pull
Entries 74
Mean 84.86
Std Dev 28.14
pull1D
Entries 74
Mean −2.318
Std Dev 4.617

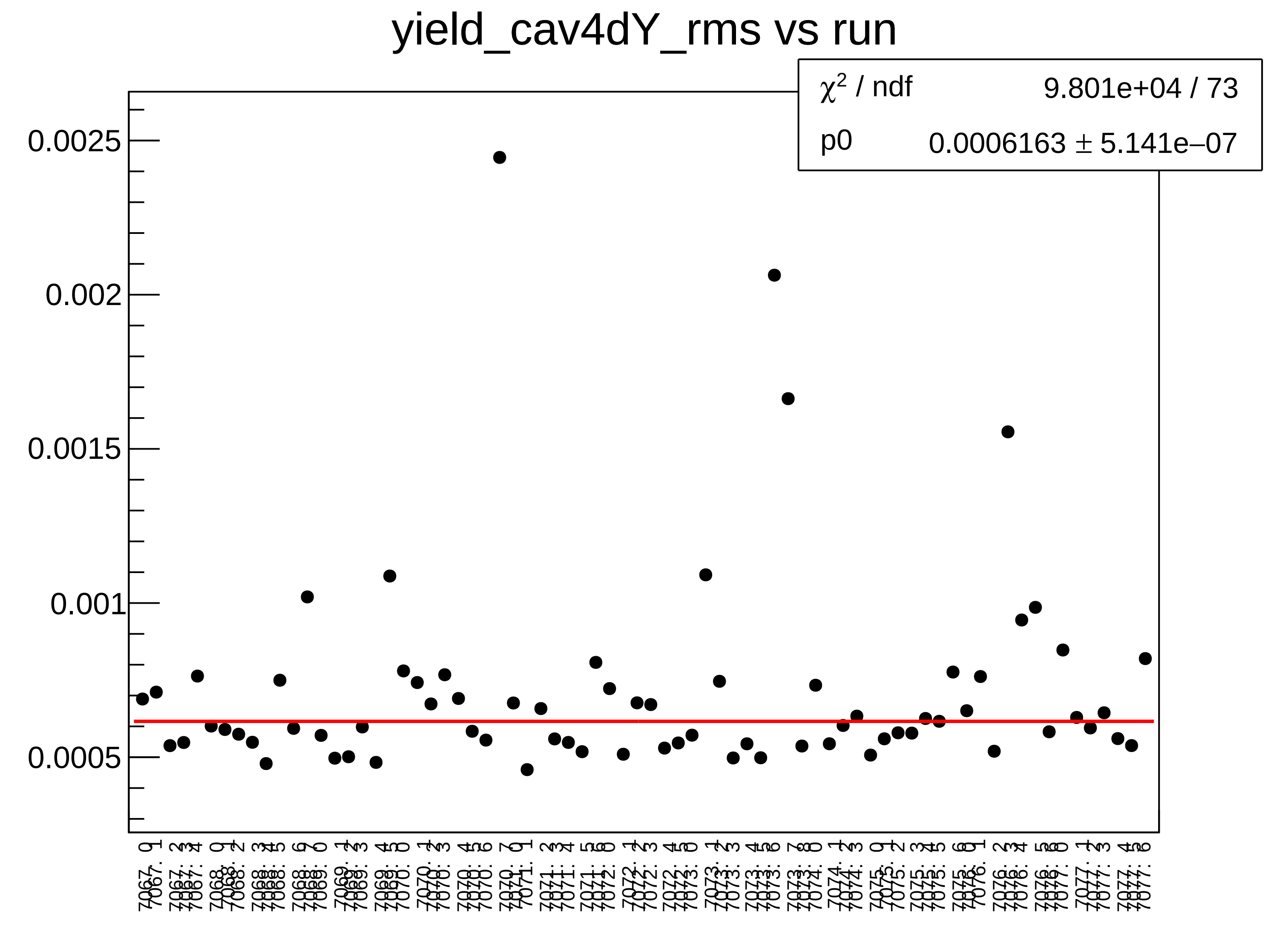



yield_cav4dX_mean vs run
χ2 / ndf 7.572e+05 / 73
p0 0.06036 ± 1.175e−05
pull
Entries 74
Mean 78.69
Std Dev 32.68
pull1D
Entries 74
Mean 1.085
Std Dev 3.265

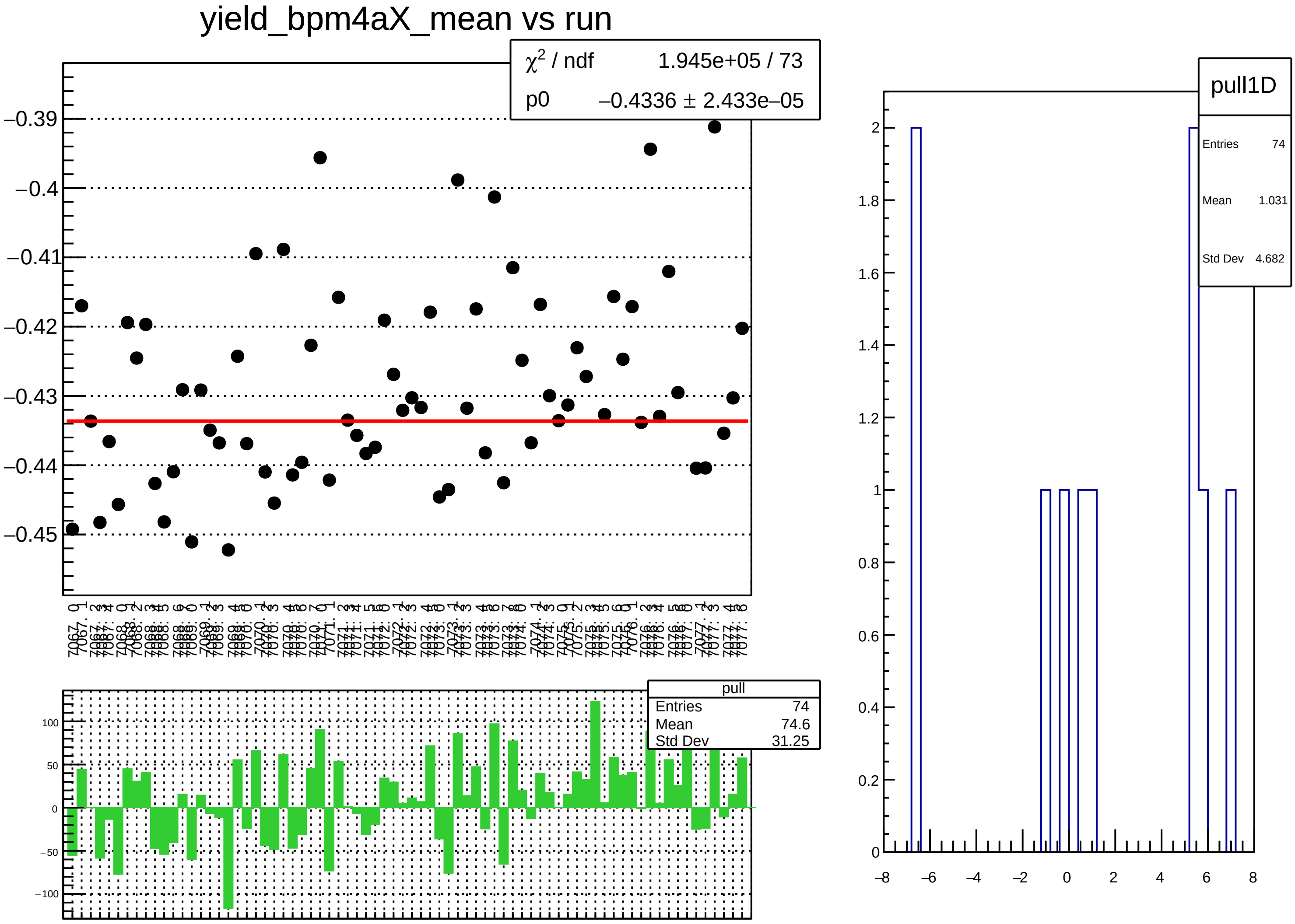


yield_cav4dX_rms vs run
χ^2 / ndf 1.986e+05 / 73
p0 0.009604 ± 8.308e−06
0.03
0.025
0.02
0.015
0.01
0.005

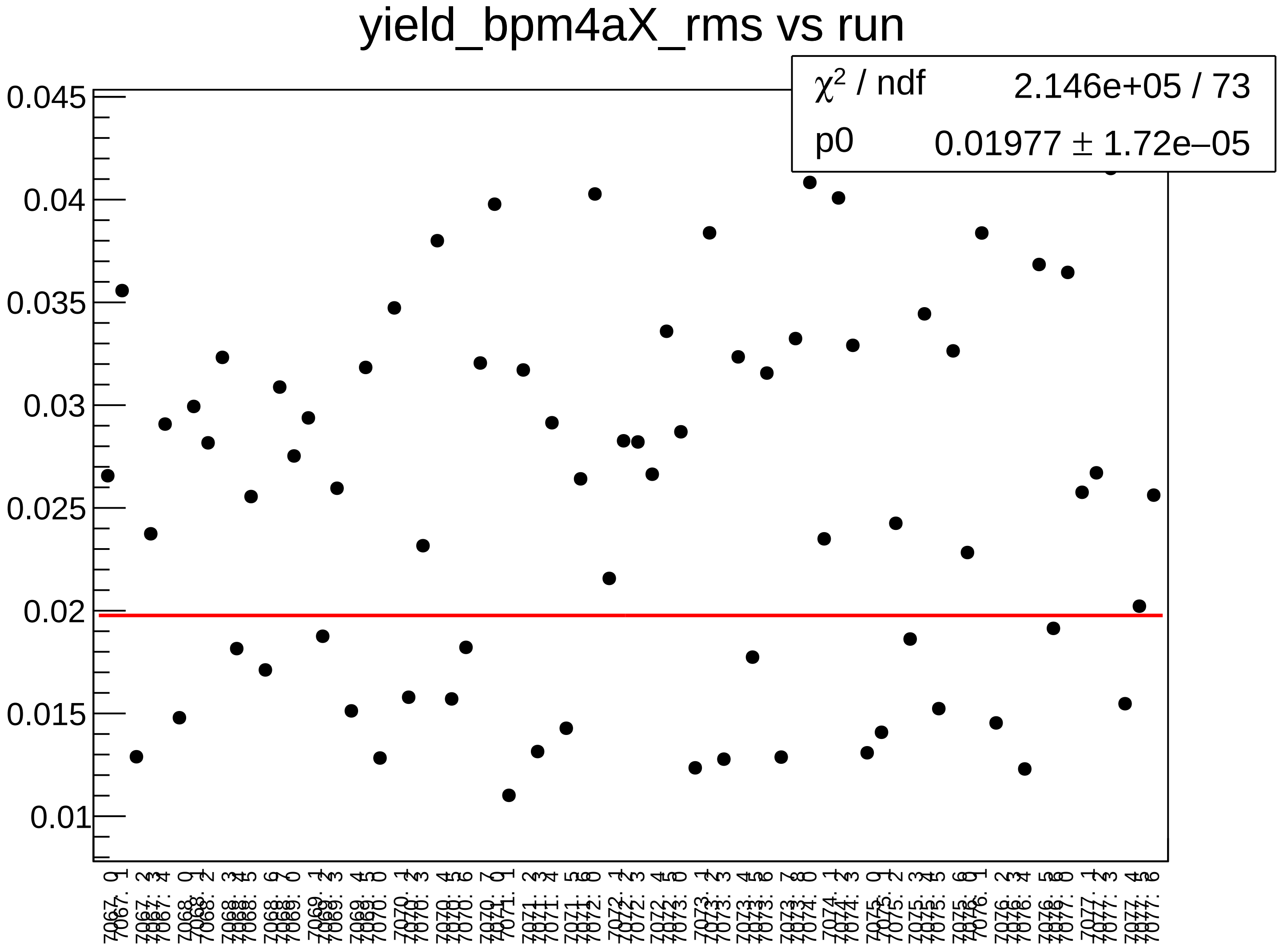

yield_cav4dY_mean vs run
χ^2 / ndf 5.545e+05 / 73
p0 −0.07618 ± 7.271e−07
pull
Entries 74
Mean 108.7
Std Dev 60.64
pull1D
Entries 74
Mean 2.136
Std Dev 2.71



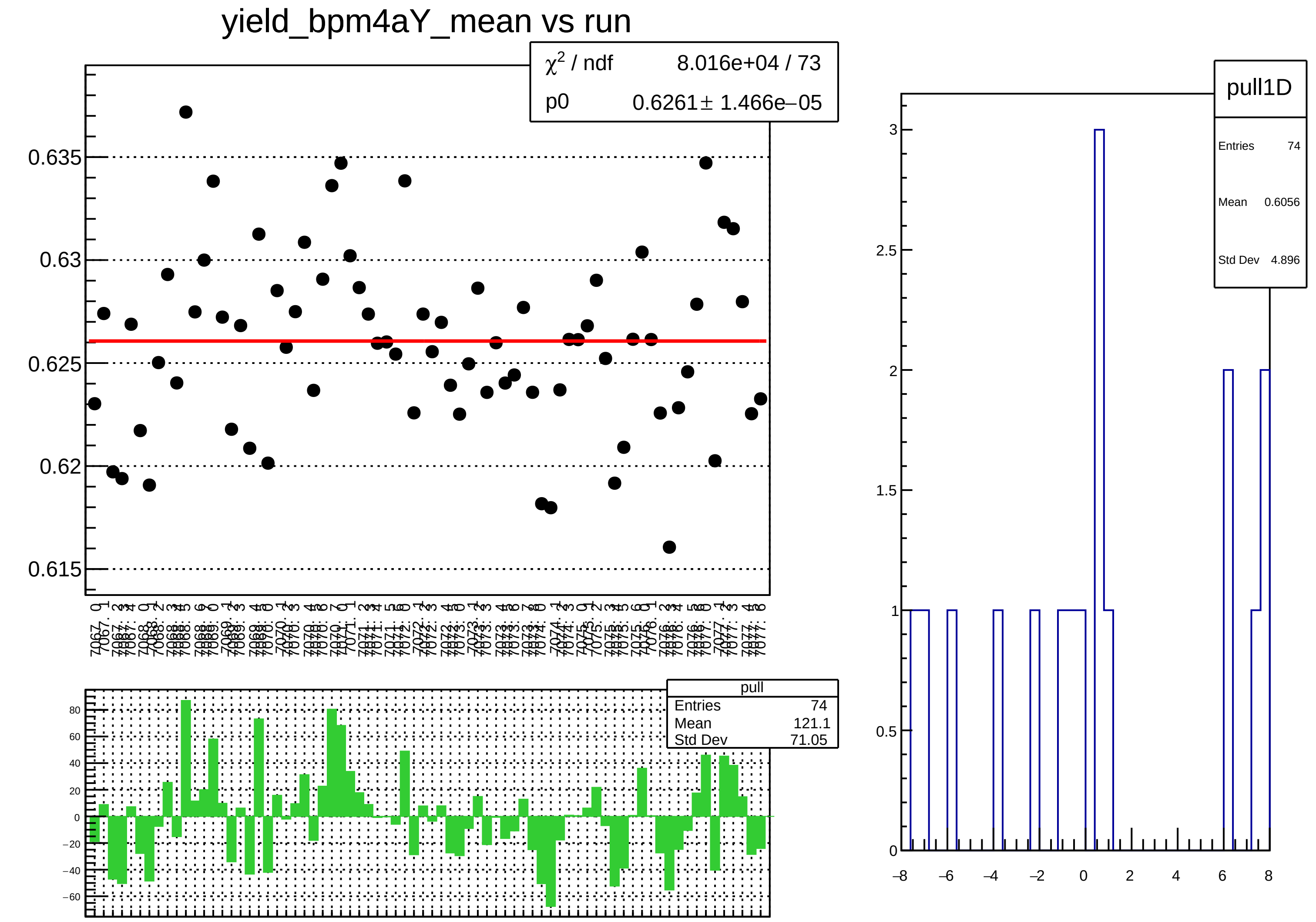
yield_cav4dY_rms vs run
χ^2 / ndf 9.801e+04 / 73
p0 0.0006163 ± 5.141e−07
0.0025
0.002
0.0015
0.001
0.0005



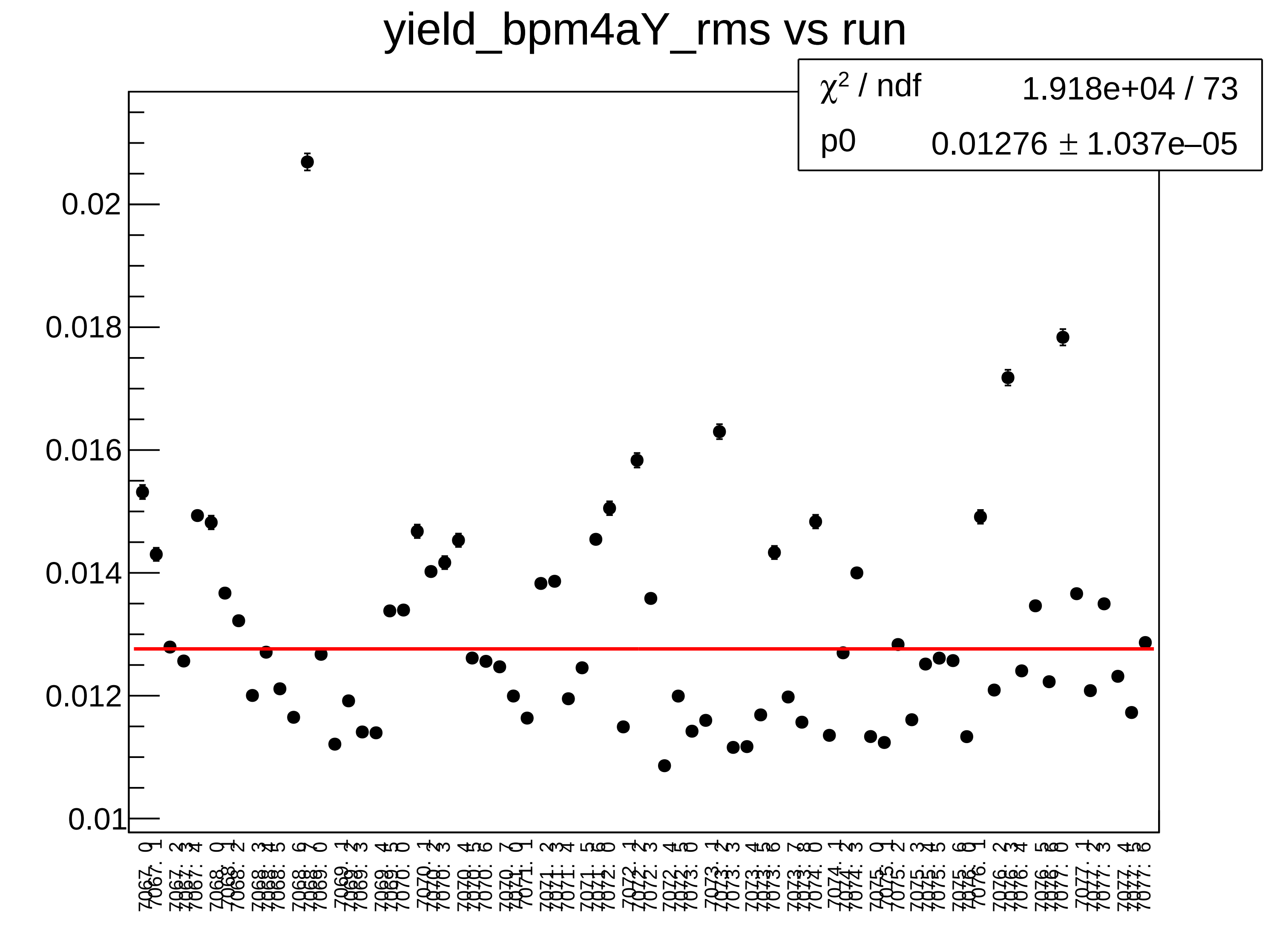
yield_bpm4aX_mean vs run
χ^2 / ndf 1.945e+05 / 73
p0 −0.4336 ± 2.433e−05
−0.39
−0.4
−0.41
−0.42
−0.43
−0.44
−0.45
pull
Entries 74
Mean 74.6
Std Dev 31.25
100
50
0
−50
−100
pull1D
Entries 74
Mean 1.031
Std Dev 4.682
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

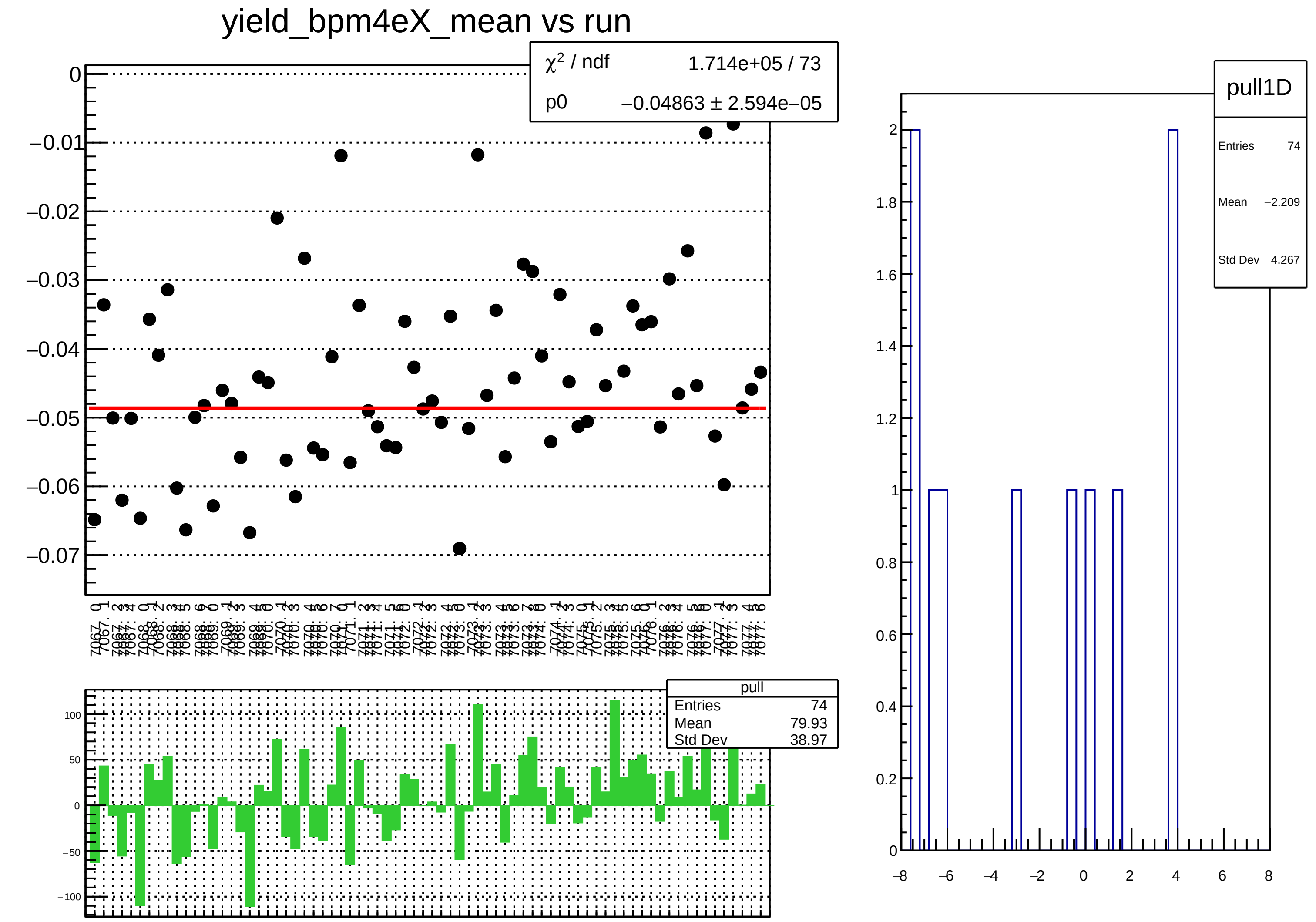


yield_bpm4aX_rms vs run
χ² / ndf 2.146e+05 / 73
p0 0.01977 ± 1.72e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

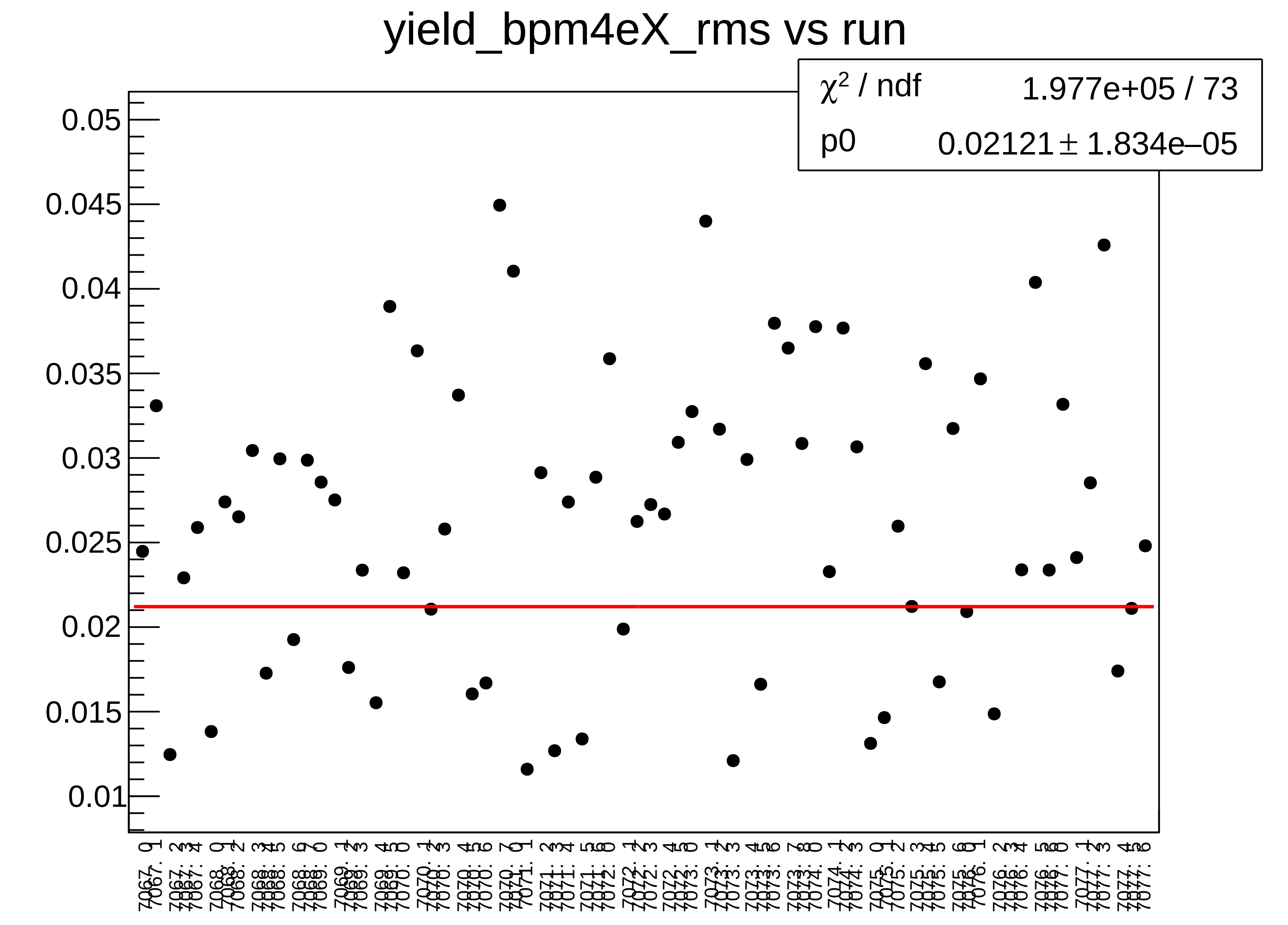


yield_bpm4aY_mean vs run
χ^2 / ndf 8.016e+04 / 73
p0 0.6261 ± 1.466e−05
pull
Entries 74
Mean 121.1
Std Dev 71.05
pull1D
Entries 74
Mean 0.6056
Std Dev 4.896

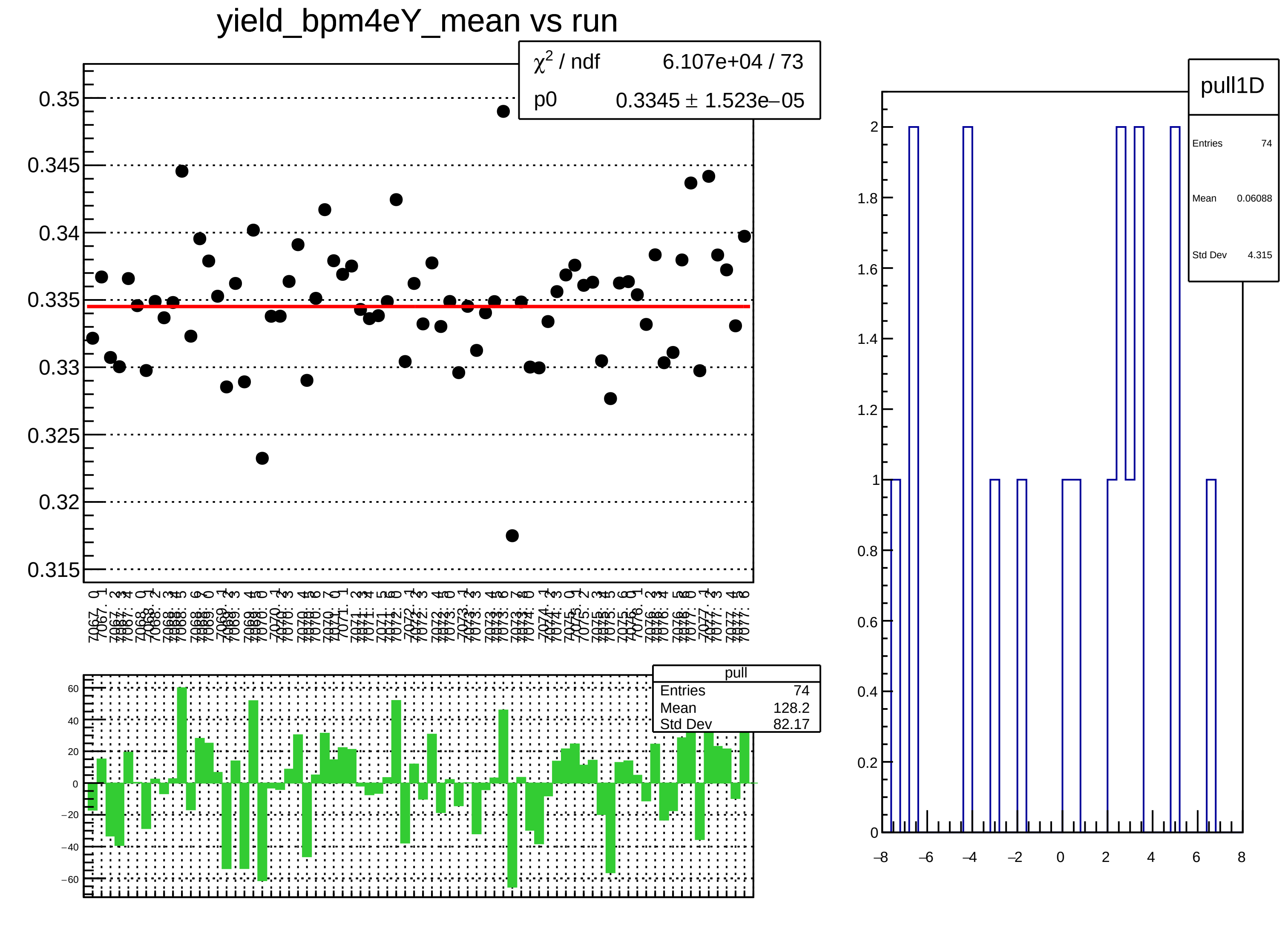

yield_bpm4aY_rms vs run
χ^2 / ndf 1.918e+04 / 73
p0 0.01276 ± 1.037e−05
0.02
0.018
0.016
0.014
0.012
0.01

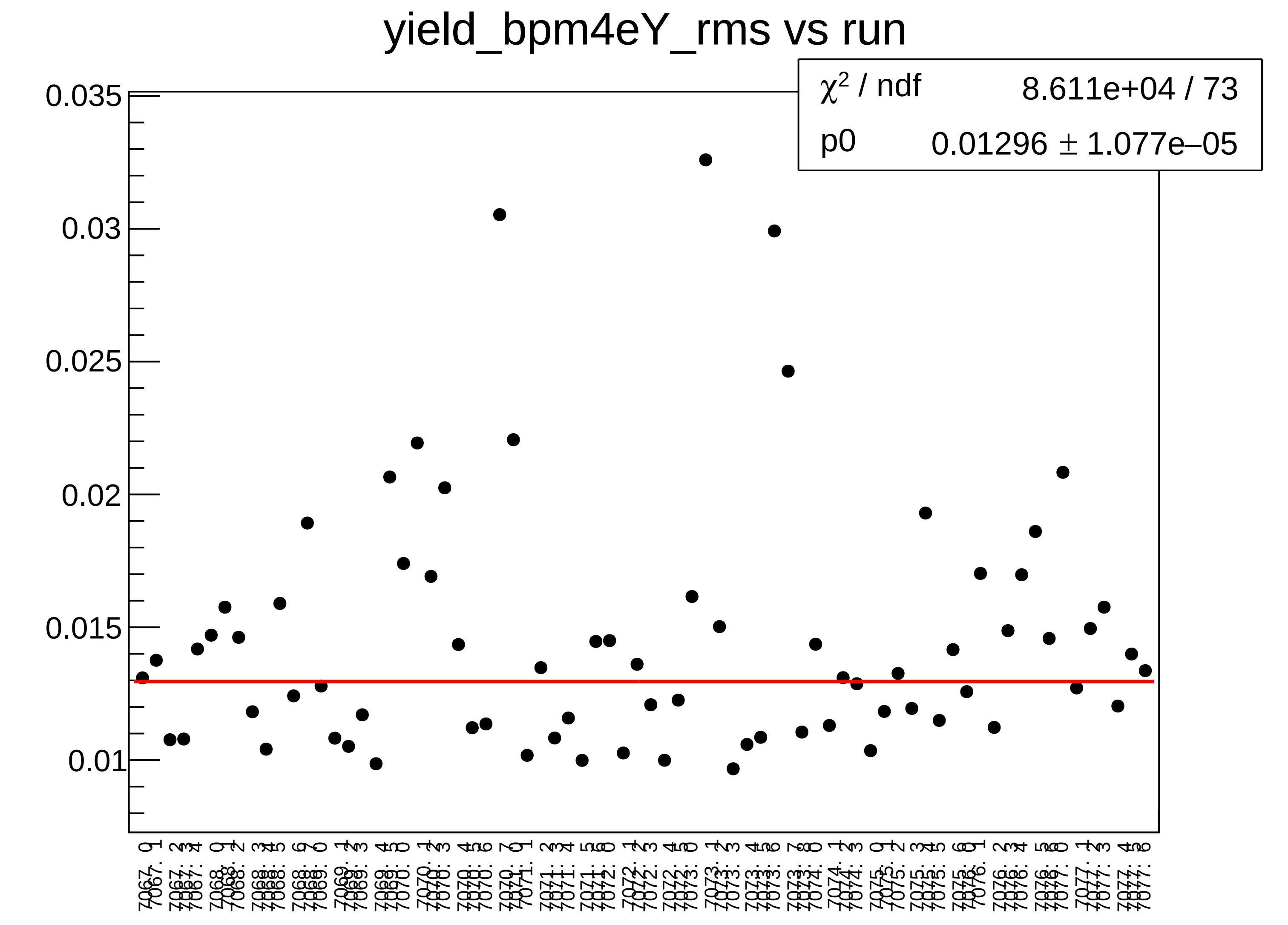


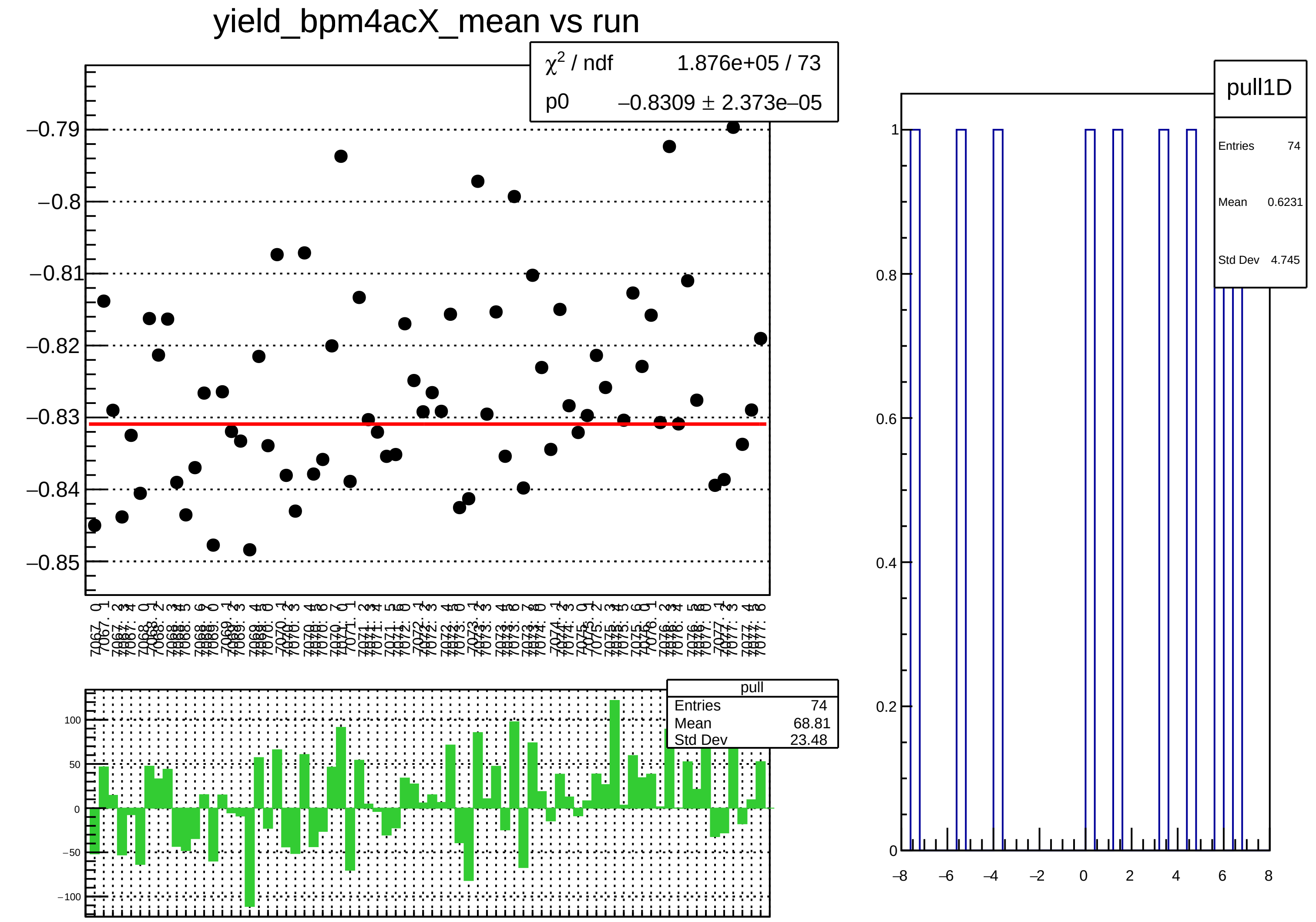
yield_bpm4eX_mean vs run
χ2 / ndf 1.714e+05 / 73
p0 −0.04863 ± 2.594e−05
pull
Entries 74
Mean 79.93
Std Dev 38.97
pull1D
Entries 74
Mean −2.209
Std Dev 4.267



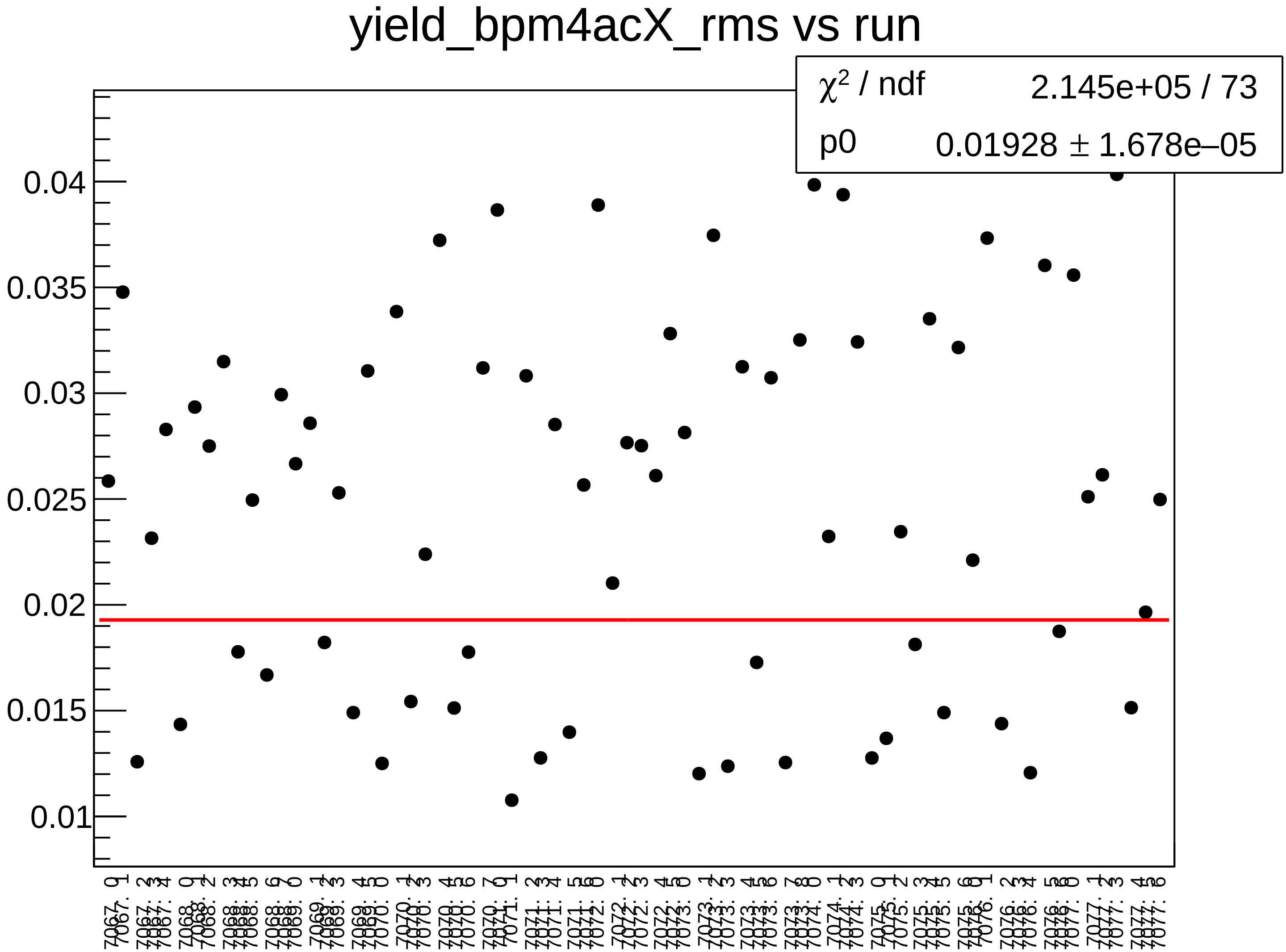
yield_bpm4eX_rms vs run
χ^2 / ndf 1.977e+05 / 73
p0 0.02121 ± 1.834e–05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01


yield_bpm4eY_mean vs run
χ^2 / ndf 6.107e+04 / 73
p0 0.3345 ± 1.523e−05
pull
Entries 74
Mean 128.2
Std Dev 82.17
pull1D
Entries 74
Mean 0.06088
Std Dev 4.315

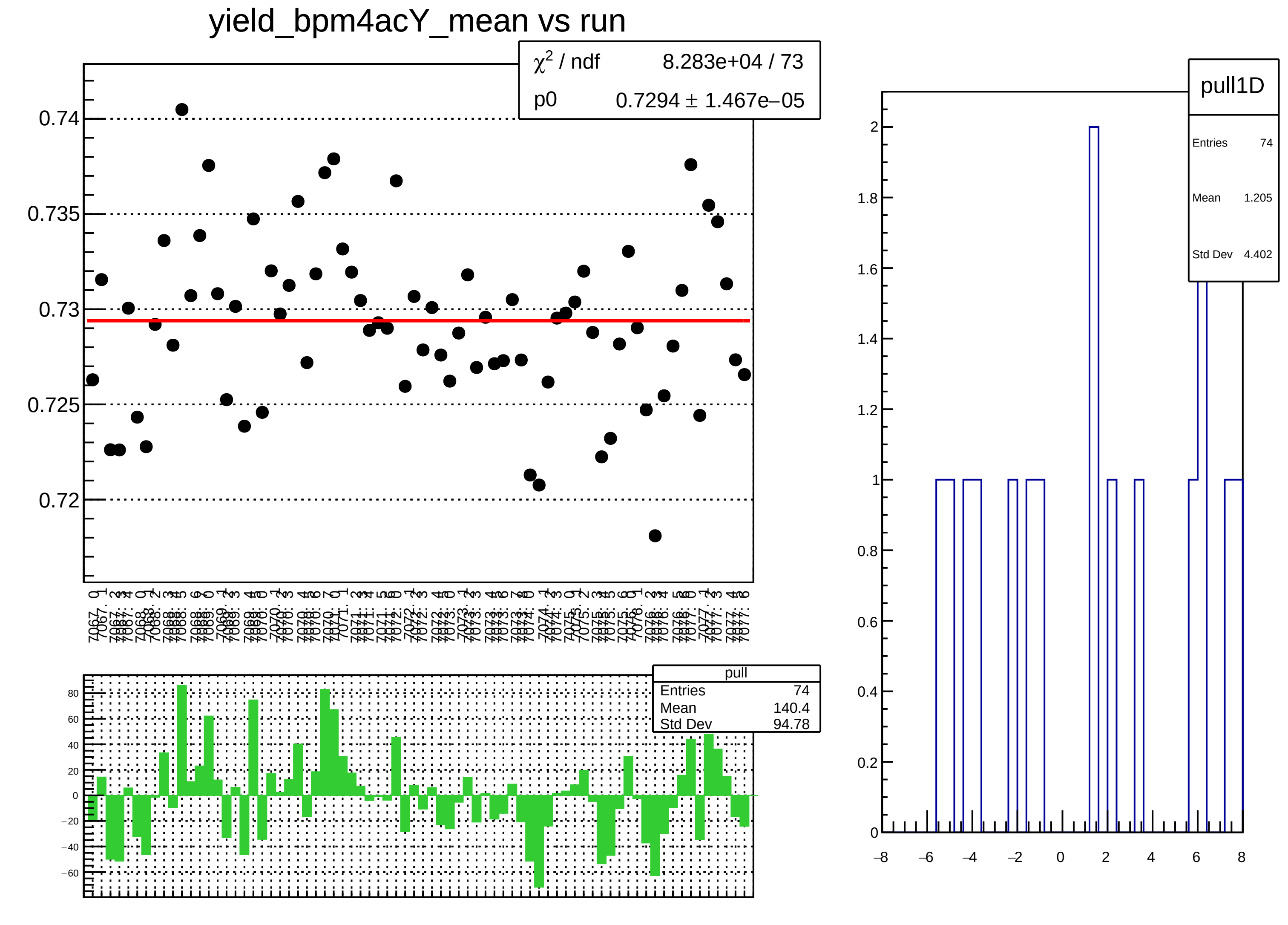

yield_bpm4eY_rms vs run
χ^2 / ndf 8.611e+04 / 73
p0 0.01296 ± 1.077e−05
0.035
0.03
0.025
0.02
0.015
0.01



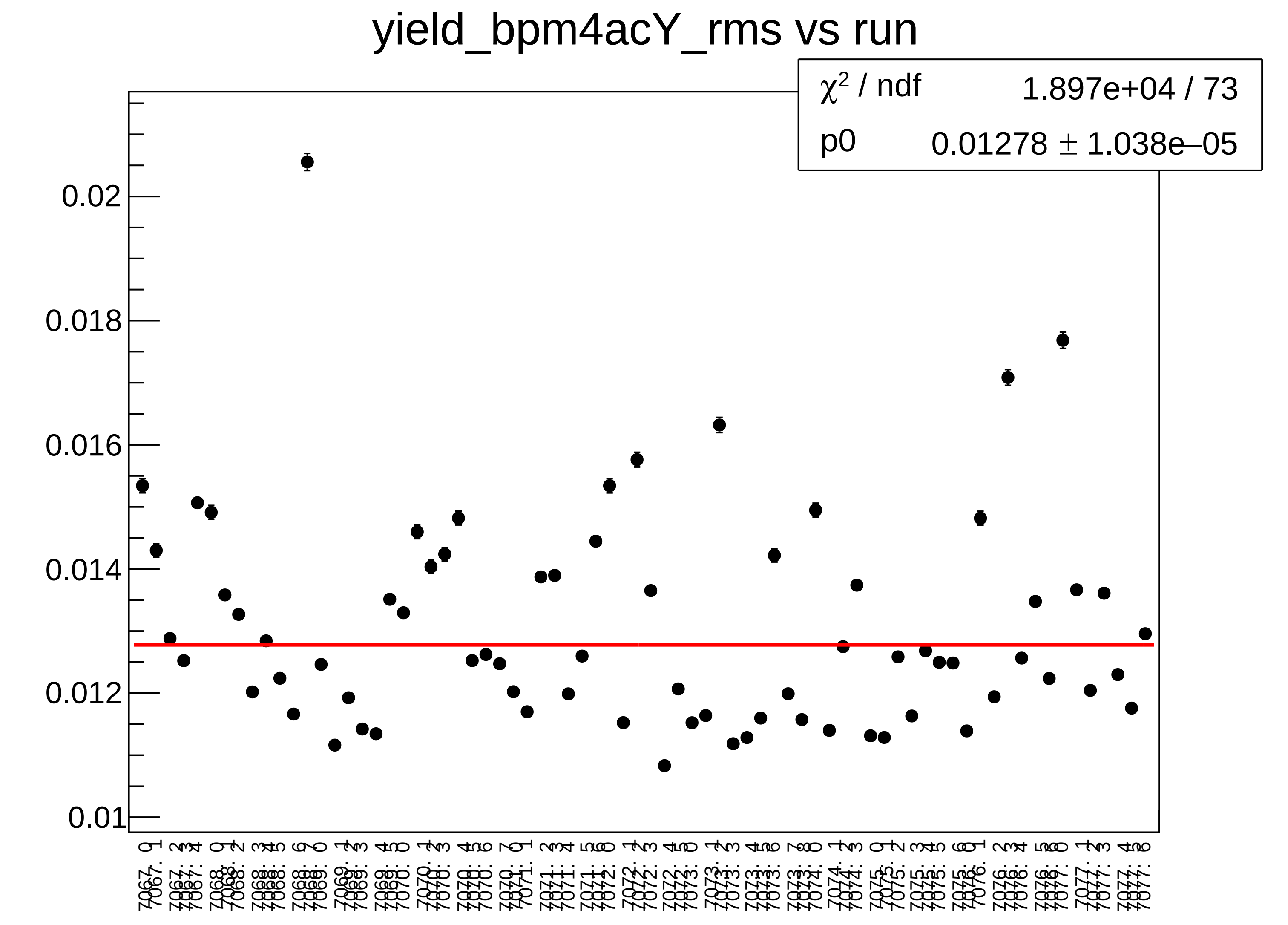
yield_bpm4acX_mean vs run
χ^2 / ndf 1.876e+05 / 73
p0 −0.8309 ± 2.373e−05
pull
Entries 74
Mean 68.81
Std Dev 23.48
pull1D
Entries 74
Mean 0.6231
Std Dev 4.745



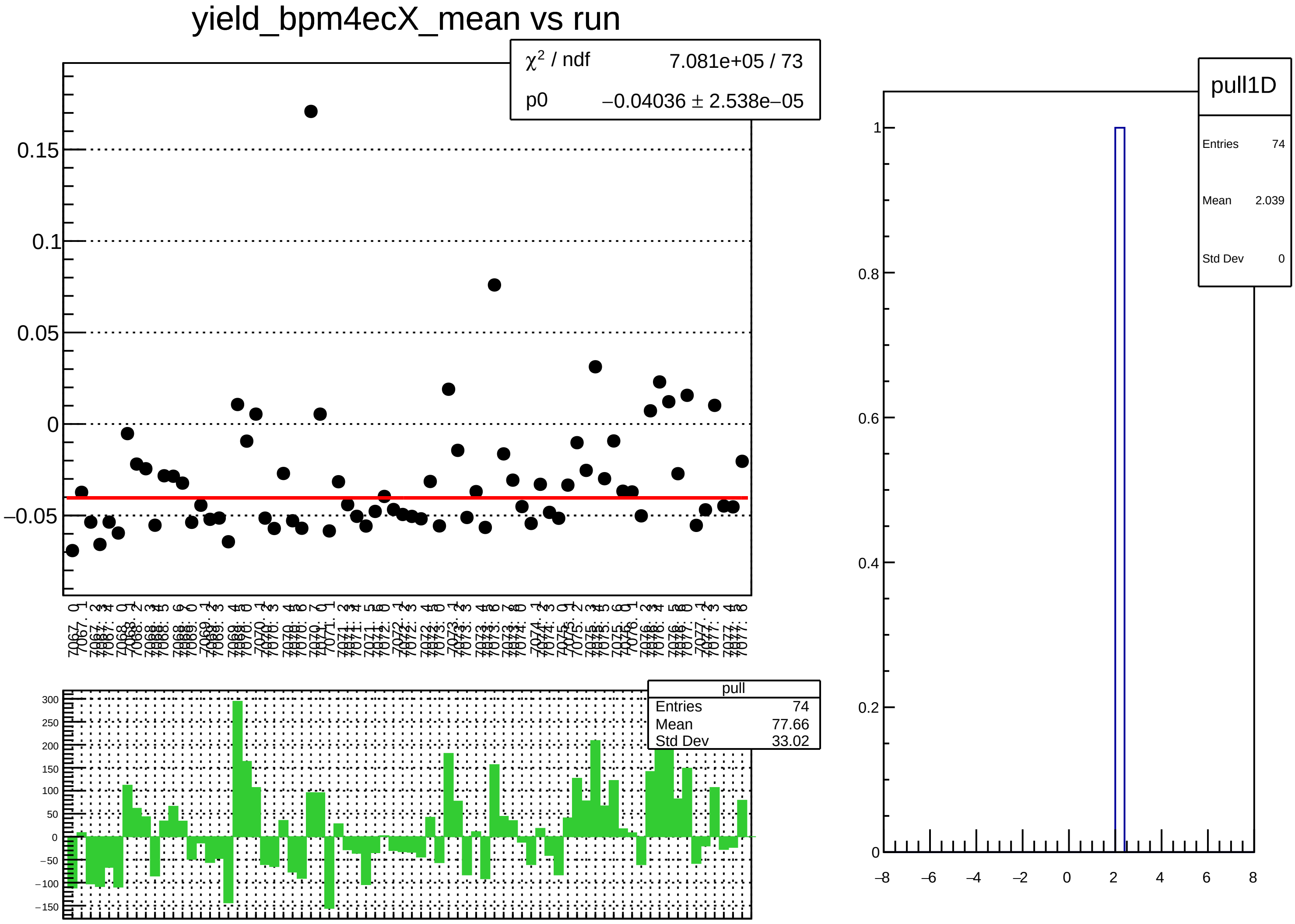
yield_bpm4acX_rms vs run
χ^2 / ndf 2.145e+05 / 73
p0 0.01928 ± 1.678e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01

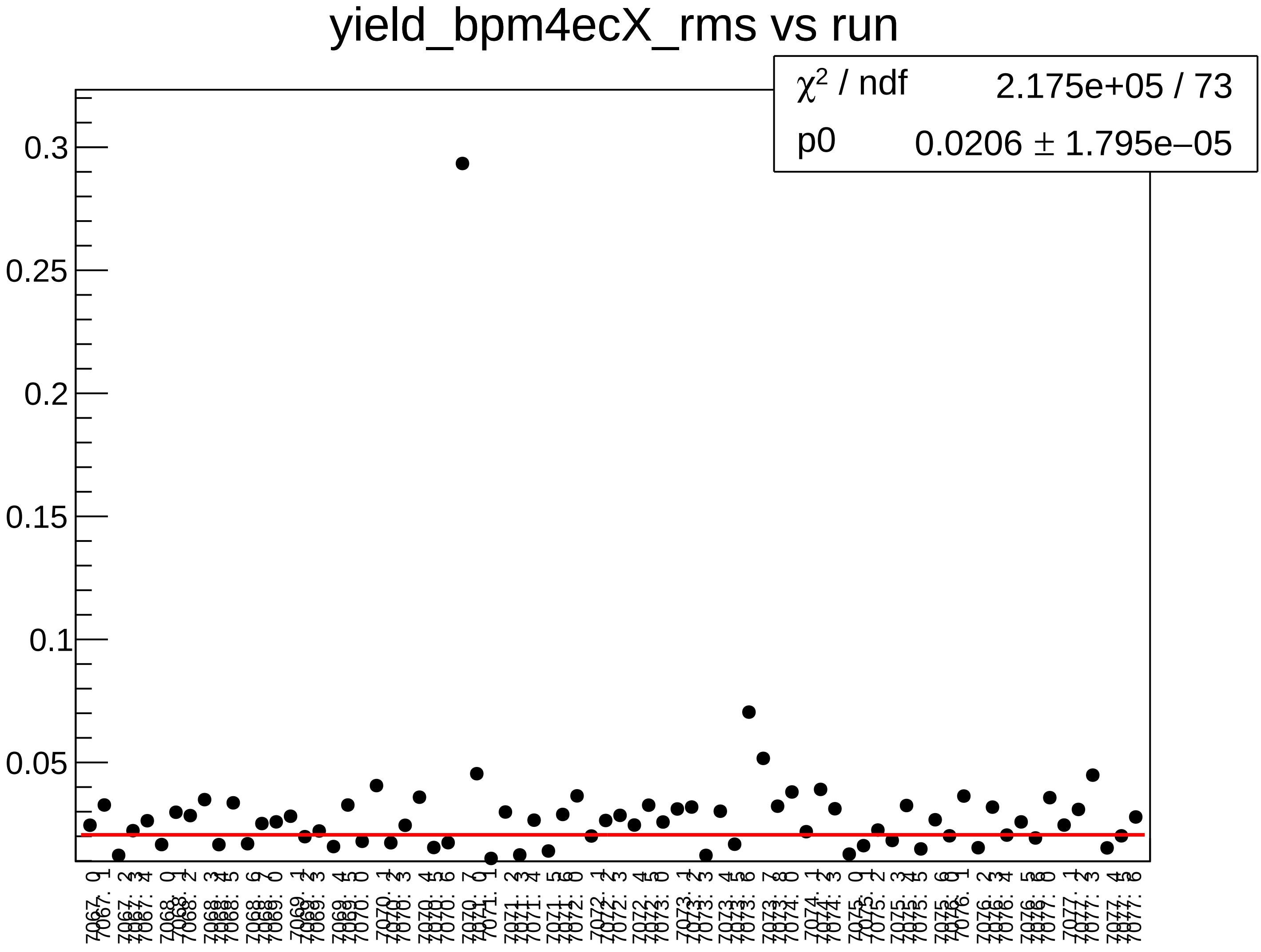


yield_bpm4acY_mean vs run
χ^2 / ndf 8.283e+04 / 73
p0 0.7294 ± 1.467e−05
pull
Entries 74
Mean 140.4
Std Dev 94.78
pull1D
Entries 74
Mean 1.205
Std Dev 4.402

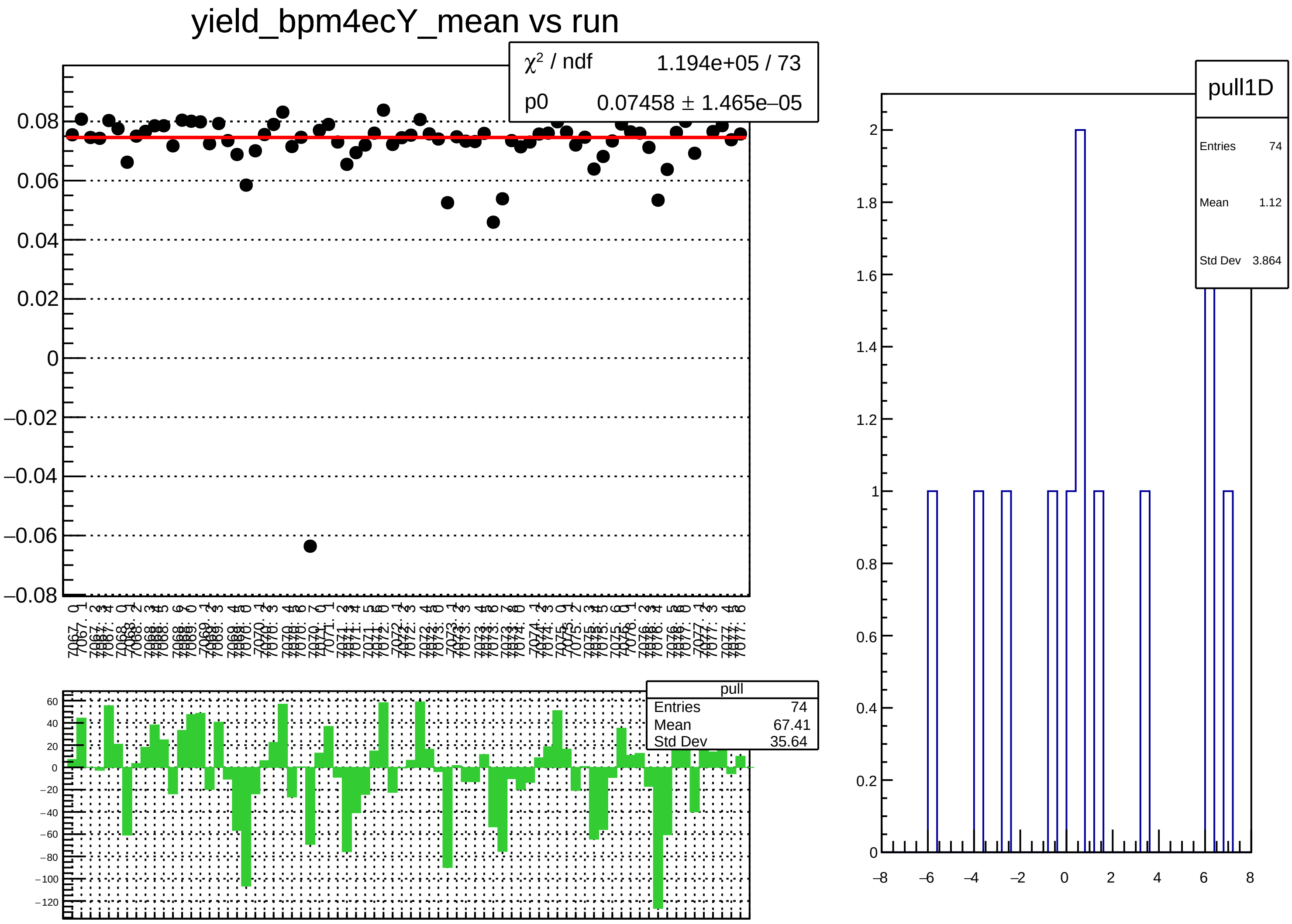


yield_bpm4acY_rms vs run
χ^2 / ndf 1.897e+04 / 73
p0 0.01278 ± 1.038e−05
0.02
0.018
0.016
0.014
0.012
0.01

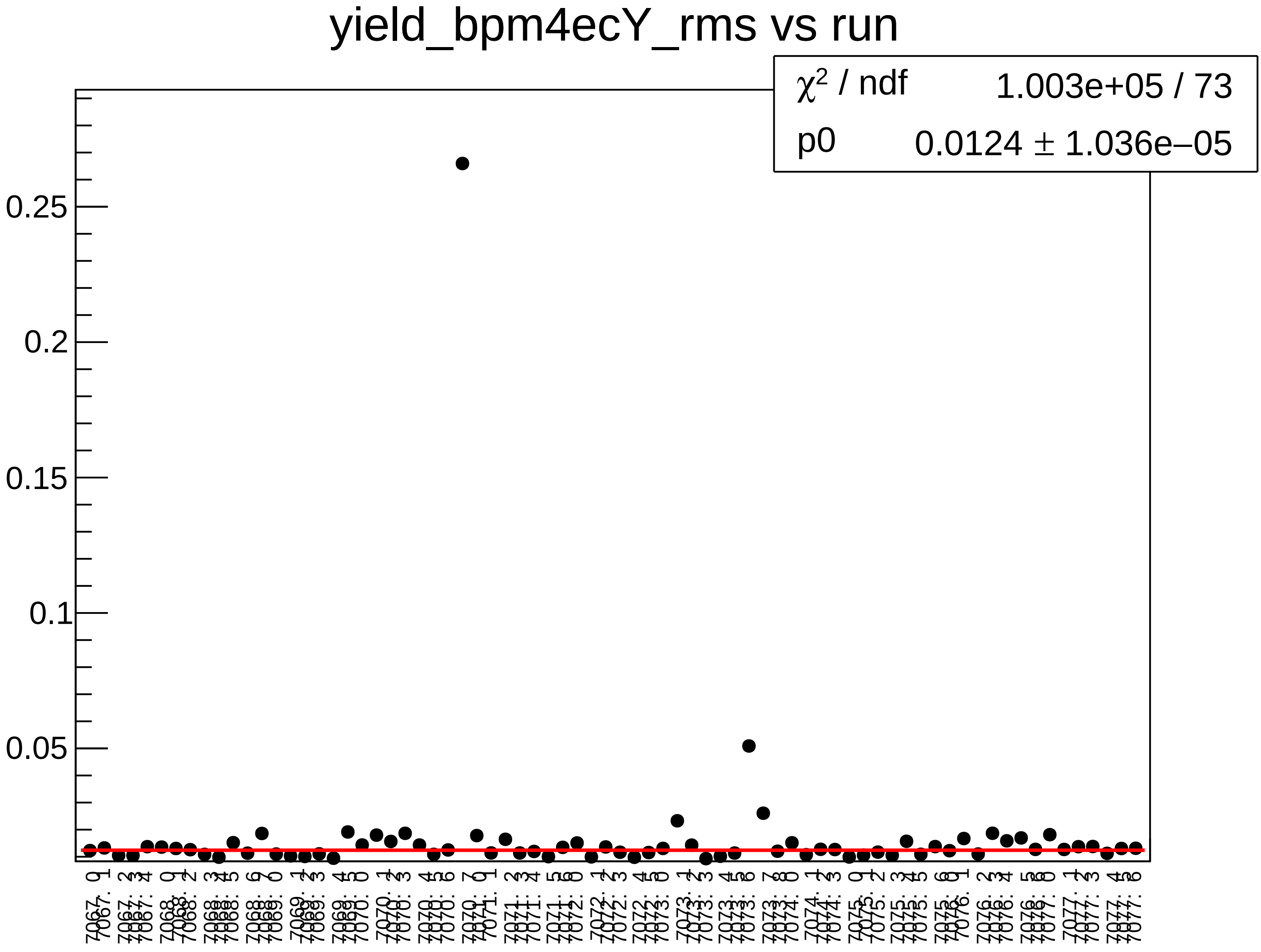

yield_bpm4ecX_mean vs run
χ^2 / ndf 7.081e+05 / 73
p0 −0.04036 ± 2.538e−05
0.15
0.1
0.05
0
−0.05
pull
Entries 74
Mean 77.66
Std Dev 33.02
300
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 74
Mean 2.039
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



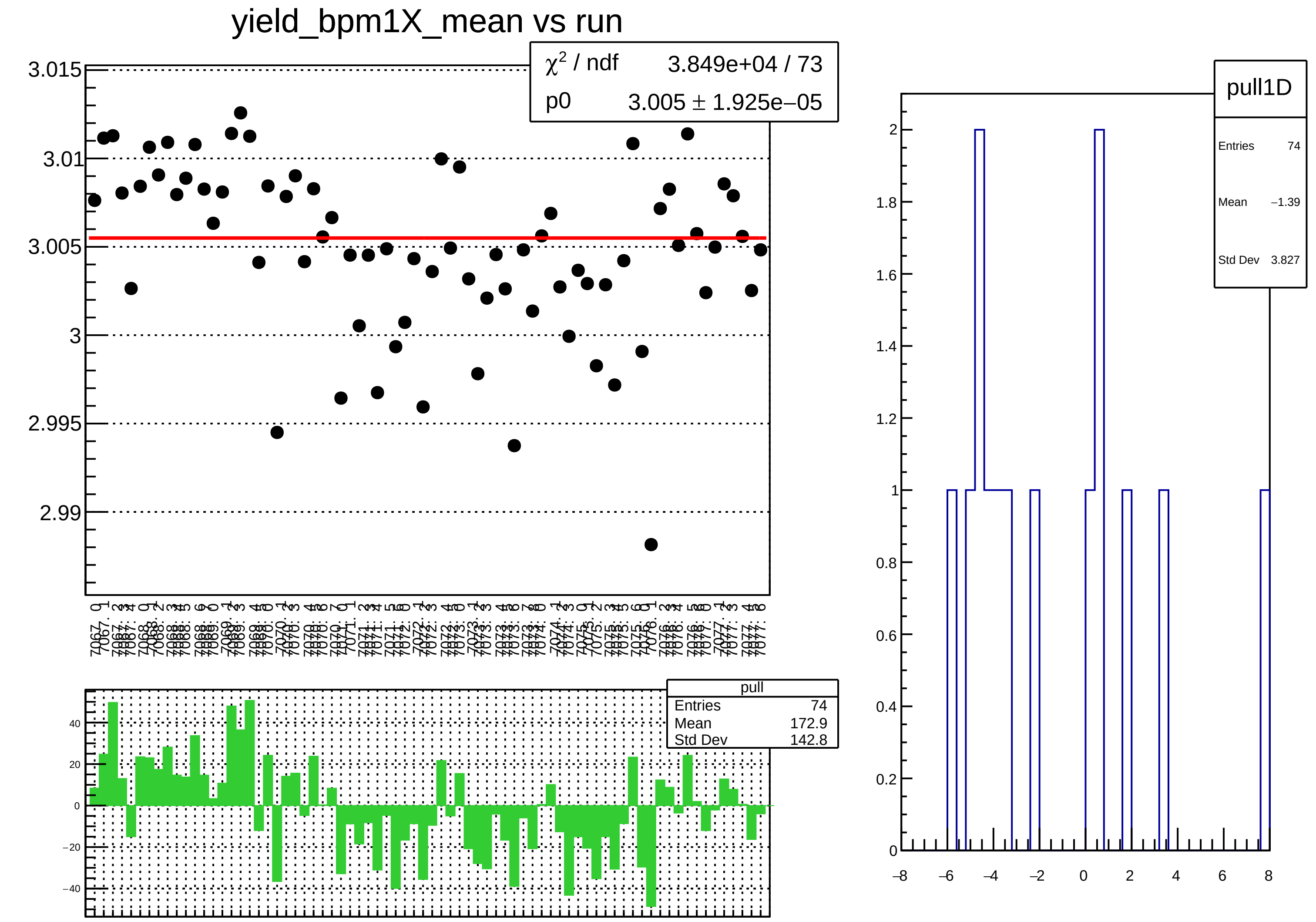
yield_bpm4ecX_rms vs run
χ^2 / ndf 2.175e+05 / 73
p0 0.0206 ± 1.795e−05
0.3
0.25
0.2
0.15
0.1
0.05

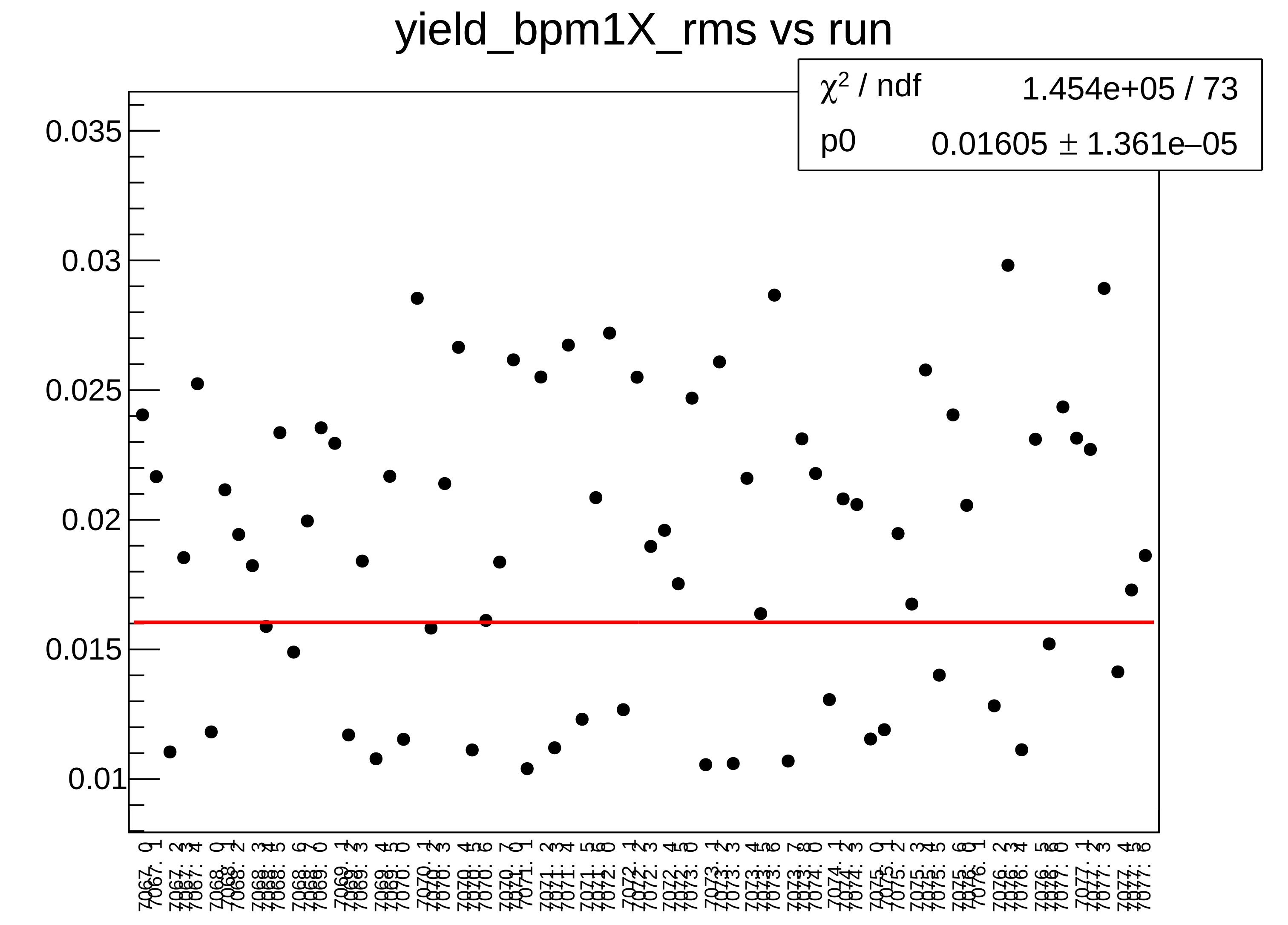


yield_bpm4ecY_mean vs run
χ^2 / ndf 1.194e+05 / 73
p0 0.07458 ± 1.465e−05
pull
Entries 74
Mean 67.41
Std Dev 35.64
pull1D
Entries 74
Mean 1.12
Std Dev 3.864

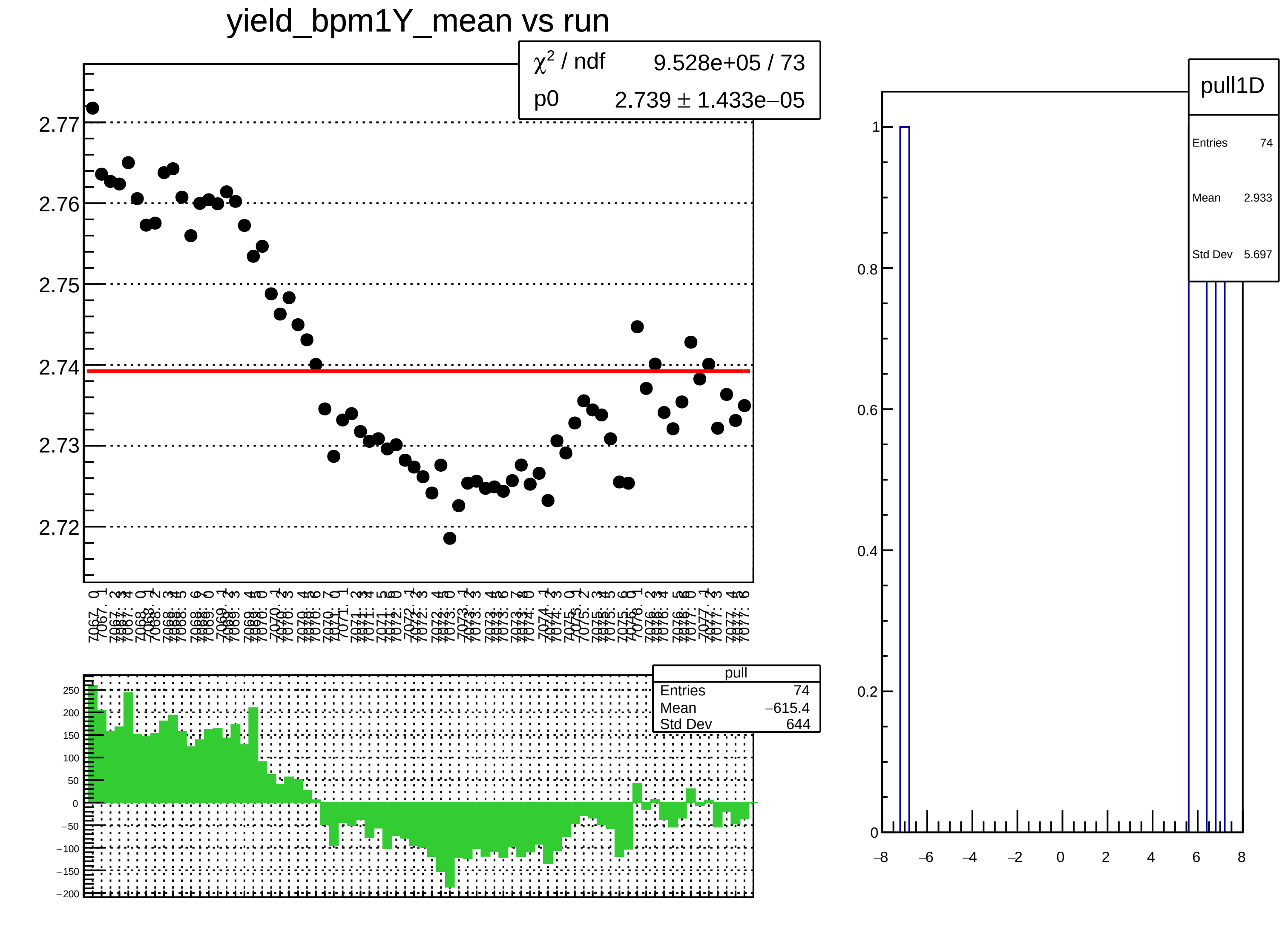


yield_bpm4ecY_rms vs run
χ^2 / ndf 1.003e+05 / 73
p0 0.0124 ± 1.036e−05
0.25
0.2
0.15
0.1
0.05

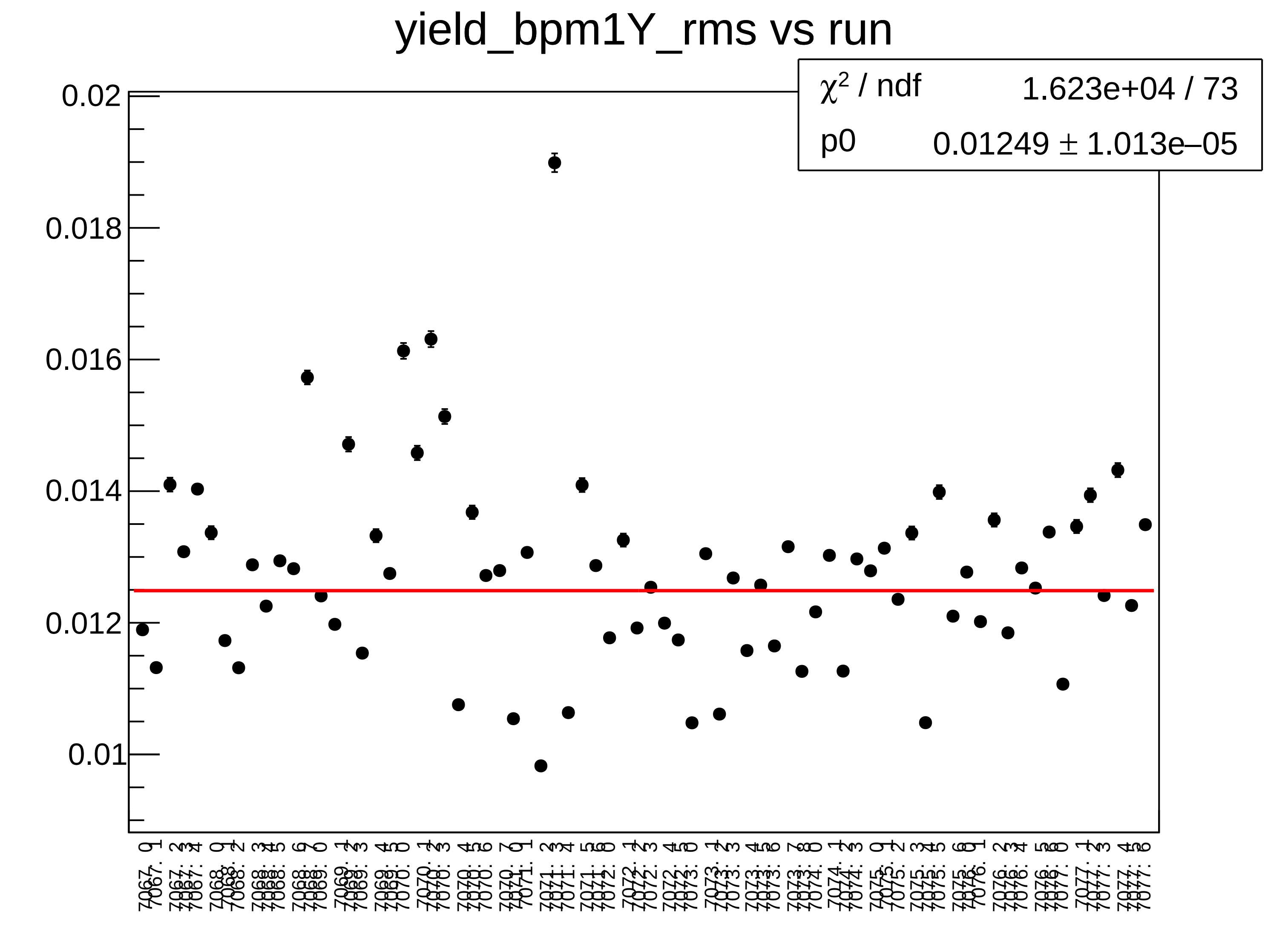

yield_bpm1X_mean vs run
χ2 / ndf 3.849e+04 / 73
p0 3.005 ± 1.925e−05
pull
Entries 74
Mean 172.9
Std Dev 142.8
pull1D
Entries 74
Mean −1.39
Std Dev 3.827



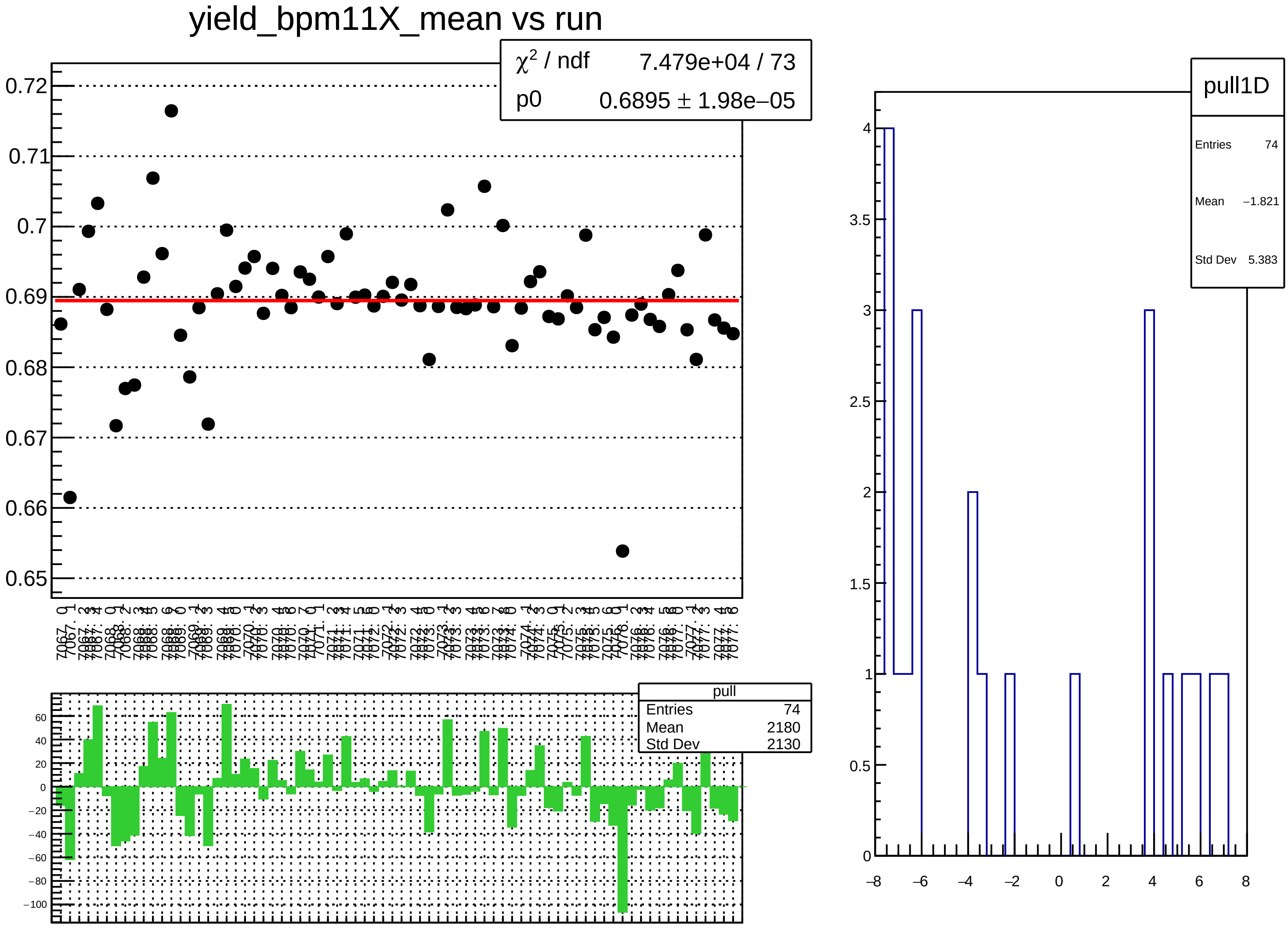
yield_bpm1X_rms vs run
χ² / ndf 1.454e+05 / 73
p0 0.01605 ± 1.361e−05
0.035
0.03
0.025
0.02
0.015
0.01



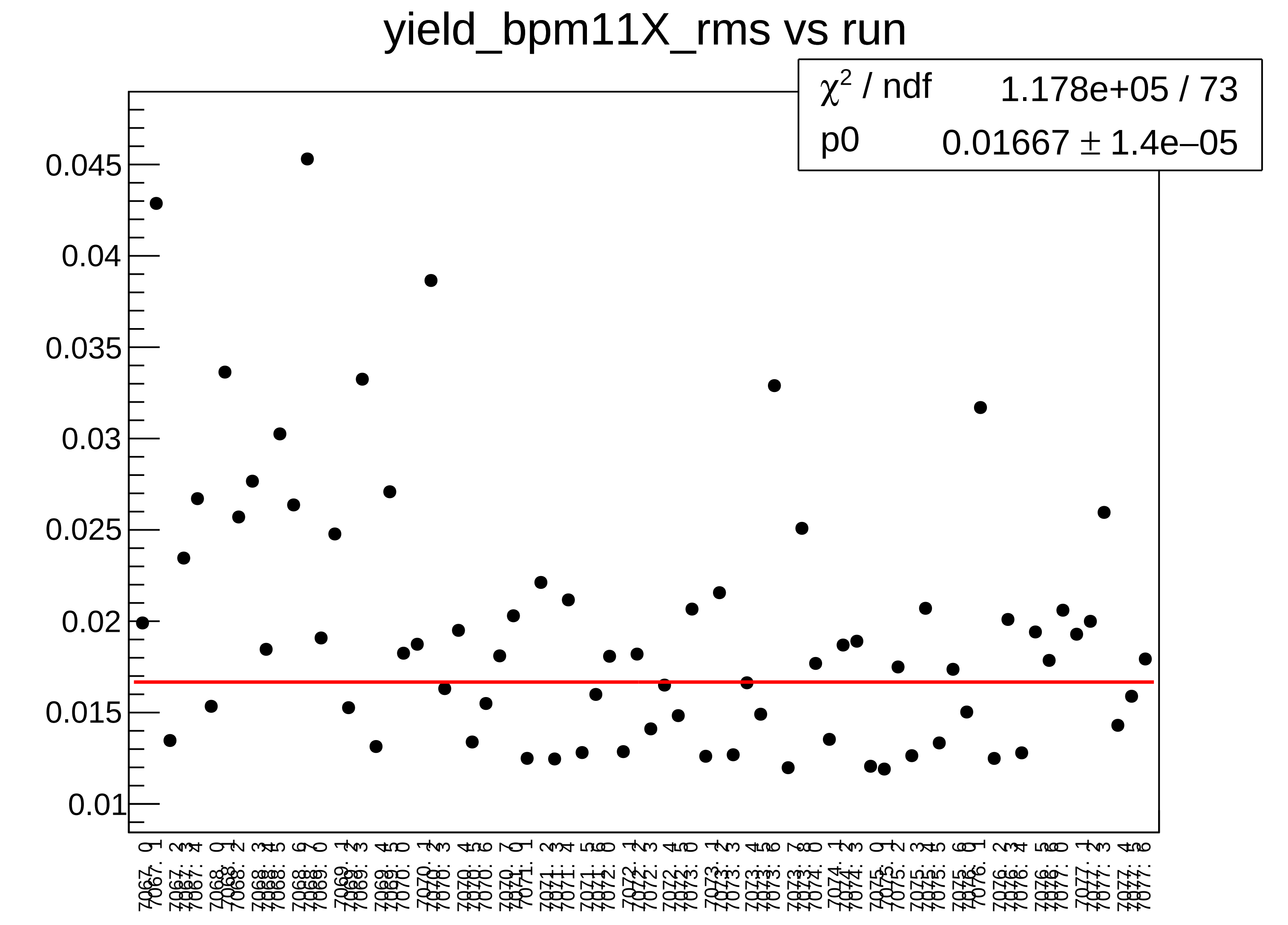
yield_bpm1Y_mean vs run
χ2 / ndf 9.528e+05 / 73
p0 2.739 ± 1.433e−05
pull
Entries 74
Mean −615.4
Std Dev 644
pull1D
Entries 74
Mean 2.933
Std Dev 5.697



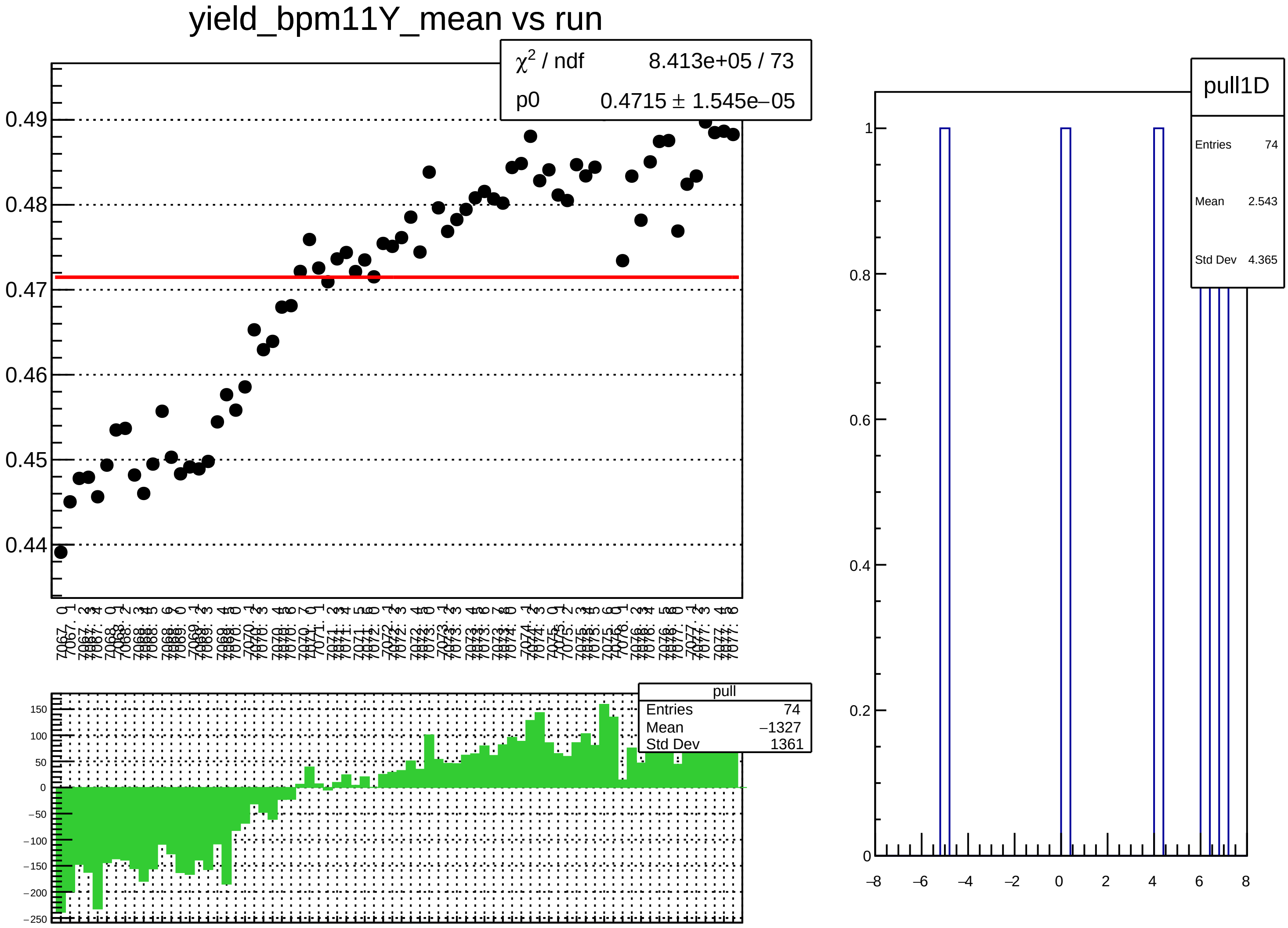
yield_bpm1Y_rms vs run
χ^2 / ndf 1.623e+04 / 73
p0 0.01249 ± 1.013e−05
0.02
0.018
0.016
0.014
0.012
0.01

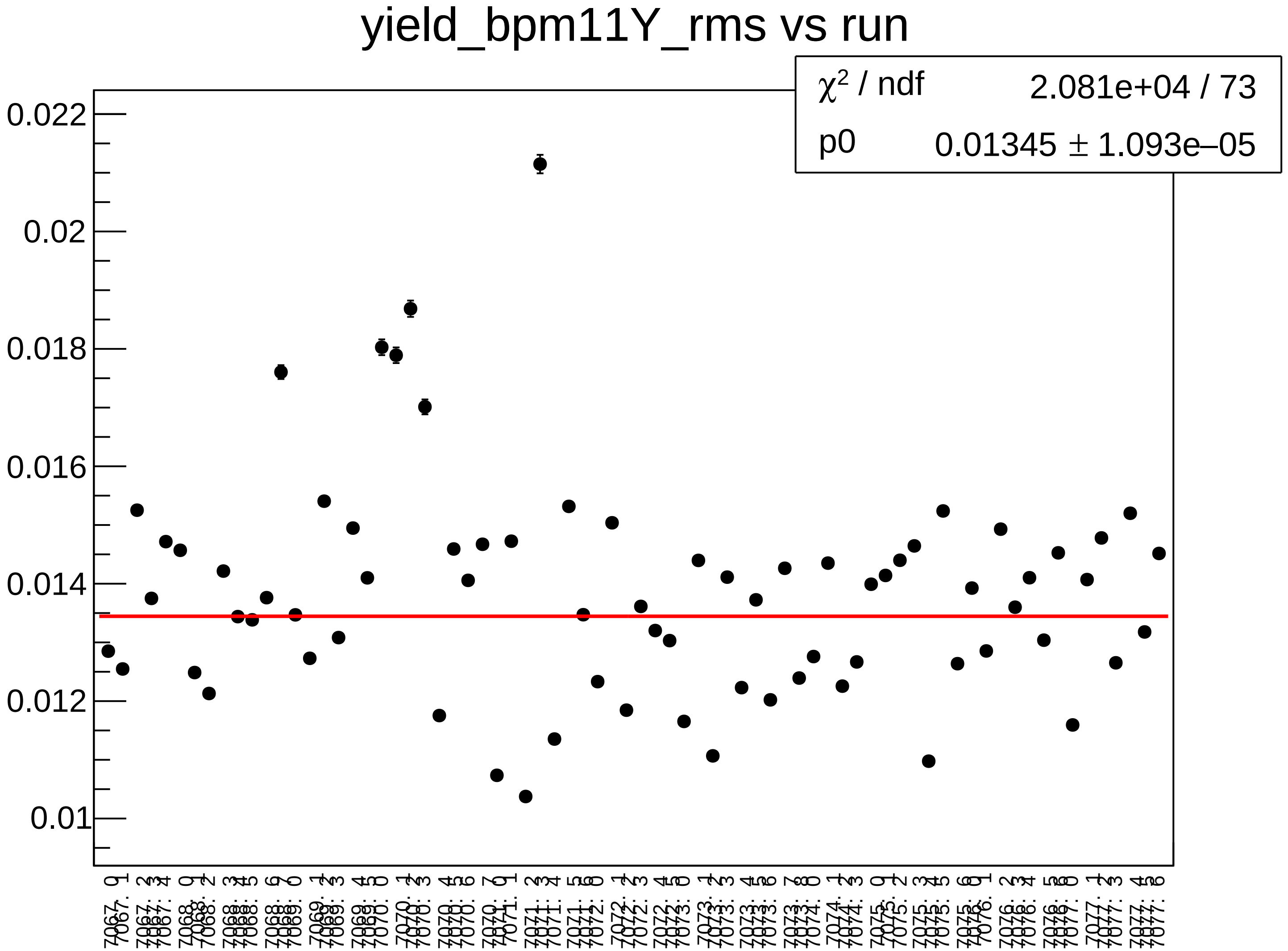


yield_bpm11X_mean vs run
χ^2 / ndf 7.479e+04 / 73
p0 0.6895 ± 1.98e−05
0.72
0.71
0.7
0.69
0.68
0.67
0.66
0.65
pull
Entries 74
Mean 2180
Std Dev 2130
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 74
Mean −1.821
Std Dev 5.383
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

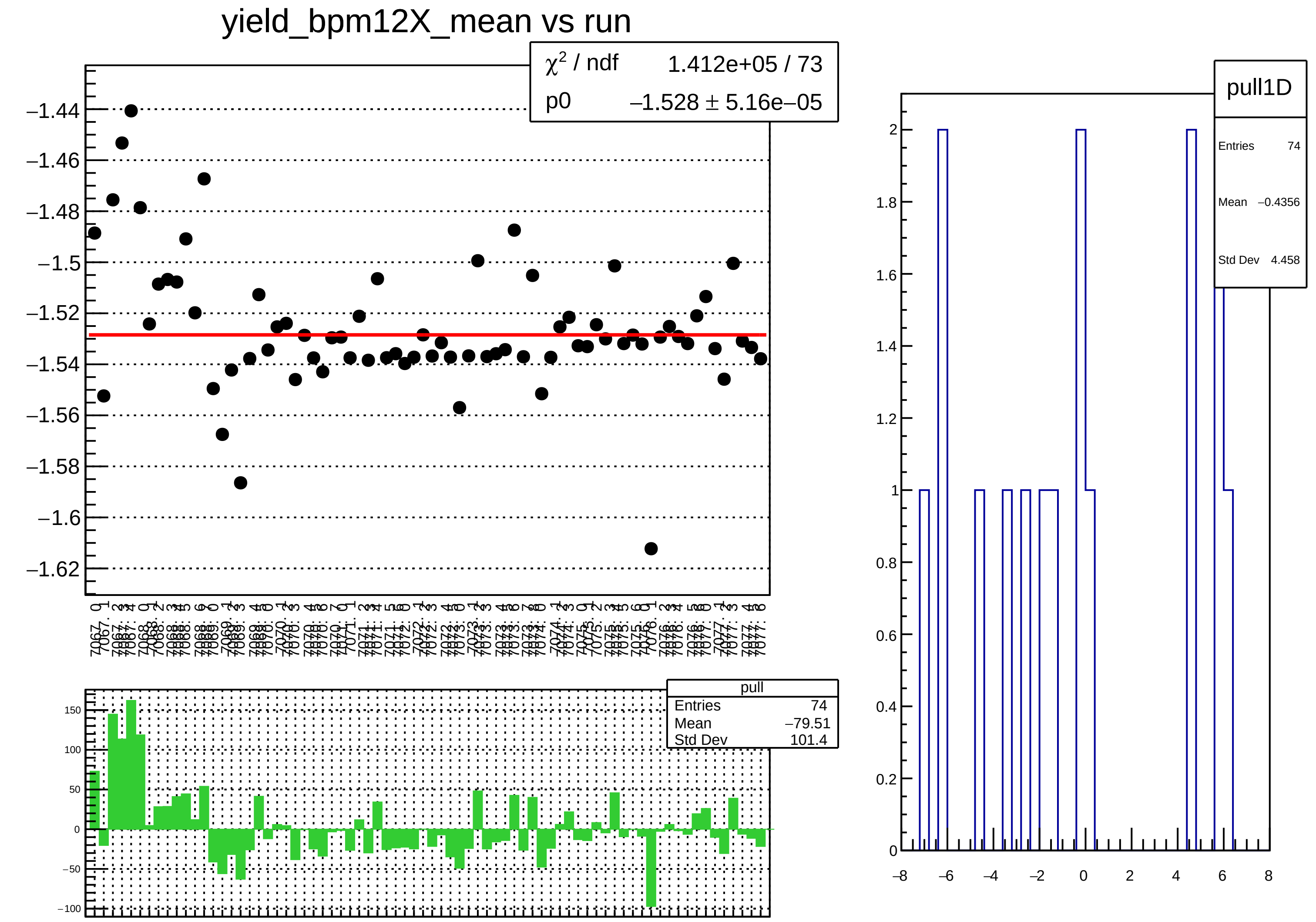


yield_bpm11X_rms vs run
χ^2 / ndf 1.178e+05 / 73
p0 0.01667 ± 1.4e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

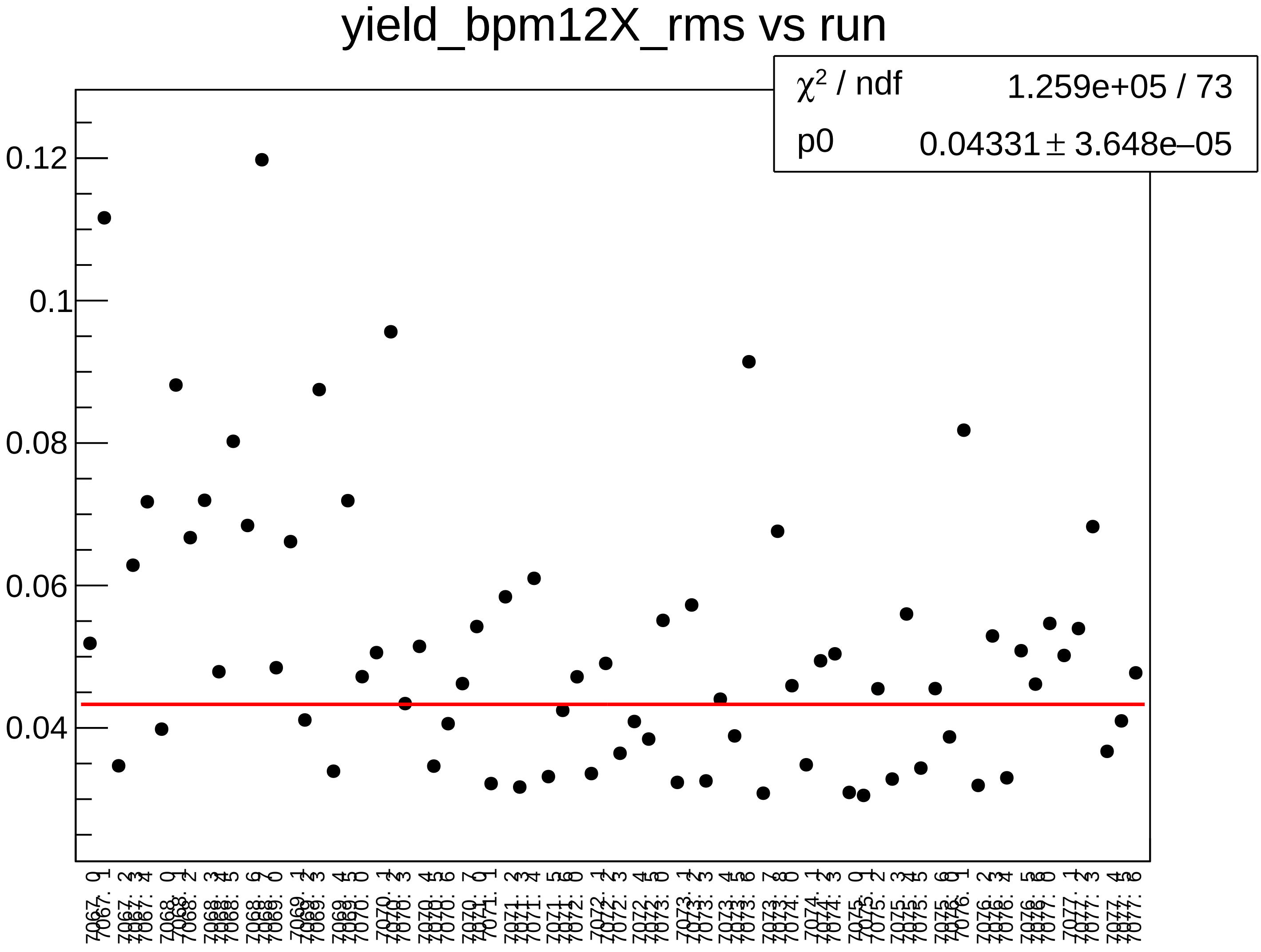

yield_bpm11Y_mean vs run
χ^2 / ndf 8.413e+05 / 73
p0 0.4715 ± 1.545e−05
0.49
0.48
0.47
0.46
0.45
0.44
pull
Entries 74
Mean −1327
Std Dev 1361
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 74
Mean 2.543
Std Dev 4.365
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

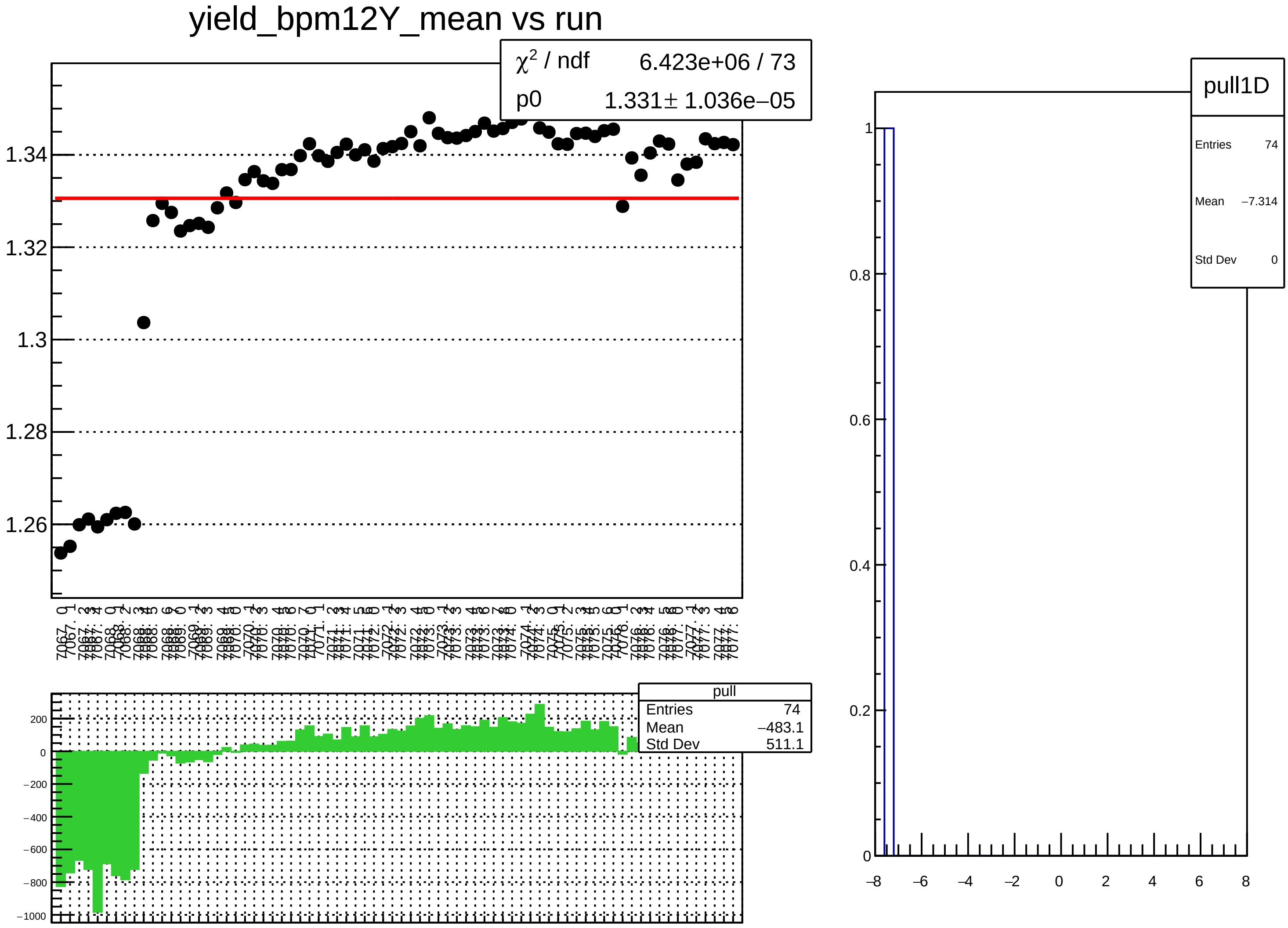


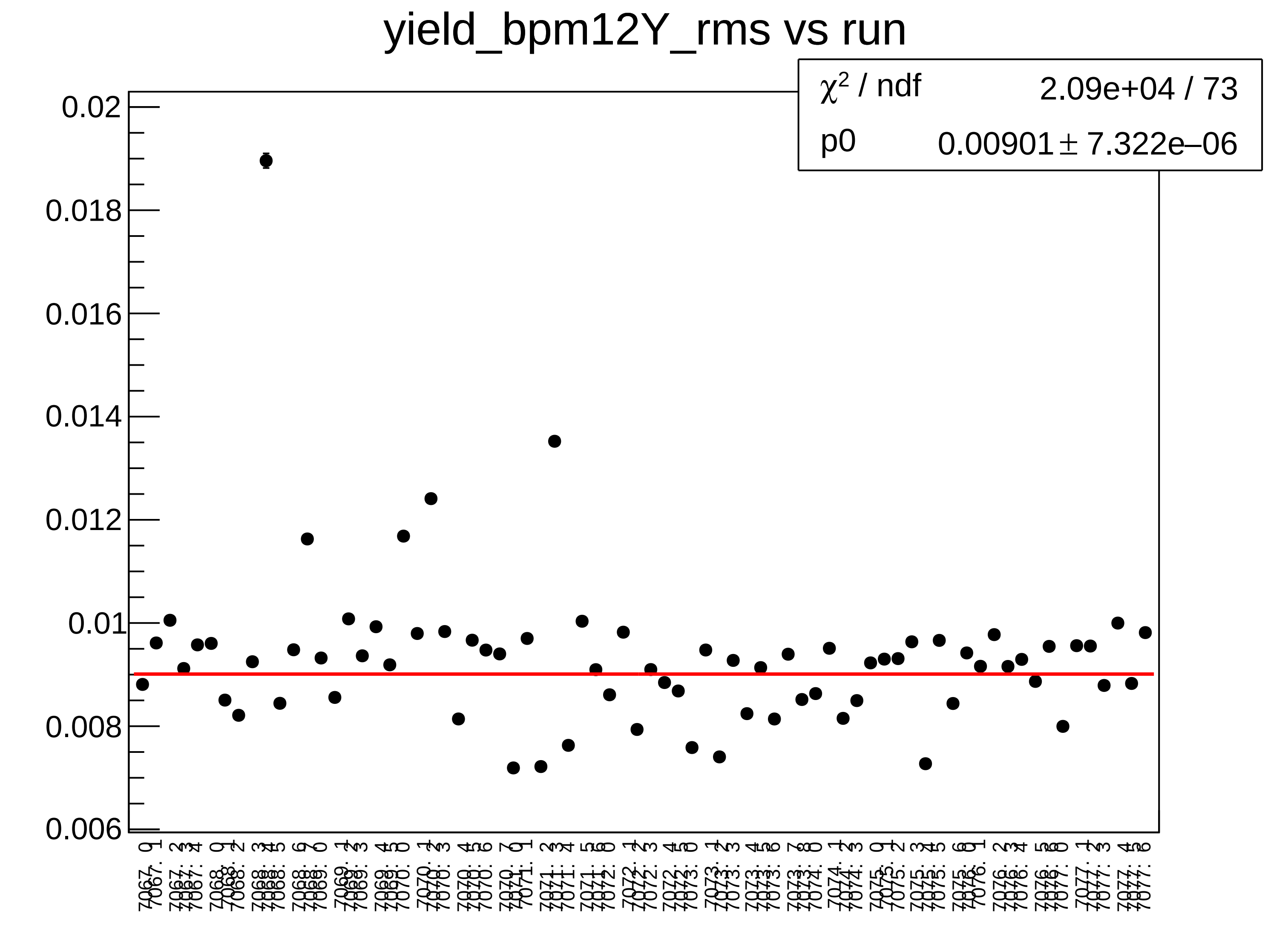
yield_bpm11Y_rms vs run
χ2 / ndf 2.081e+04 / 73
p0 0.01345 ± 1.093e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01



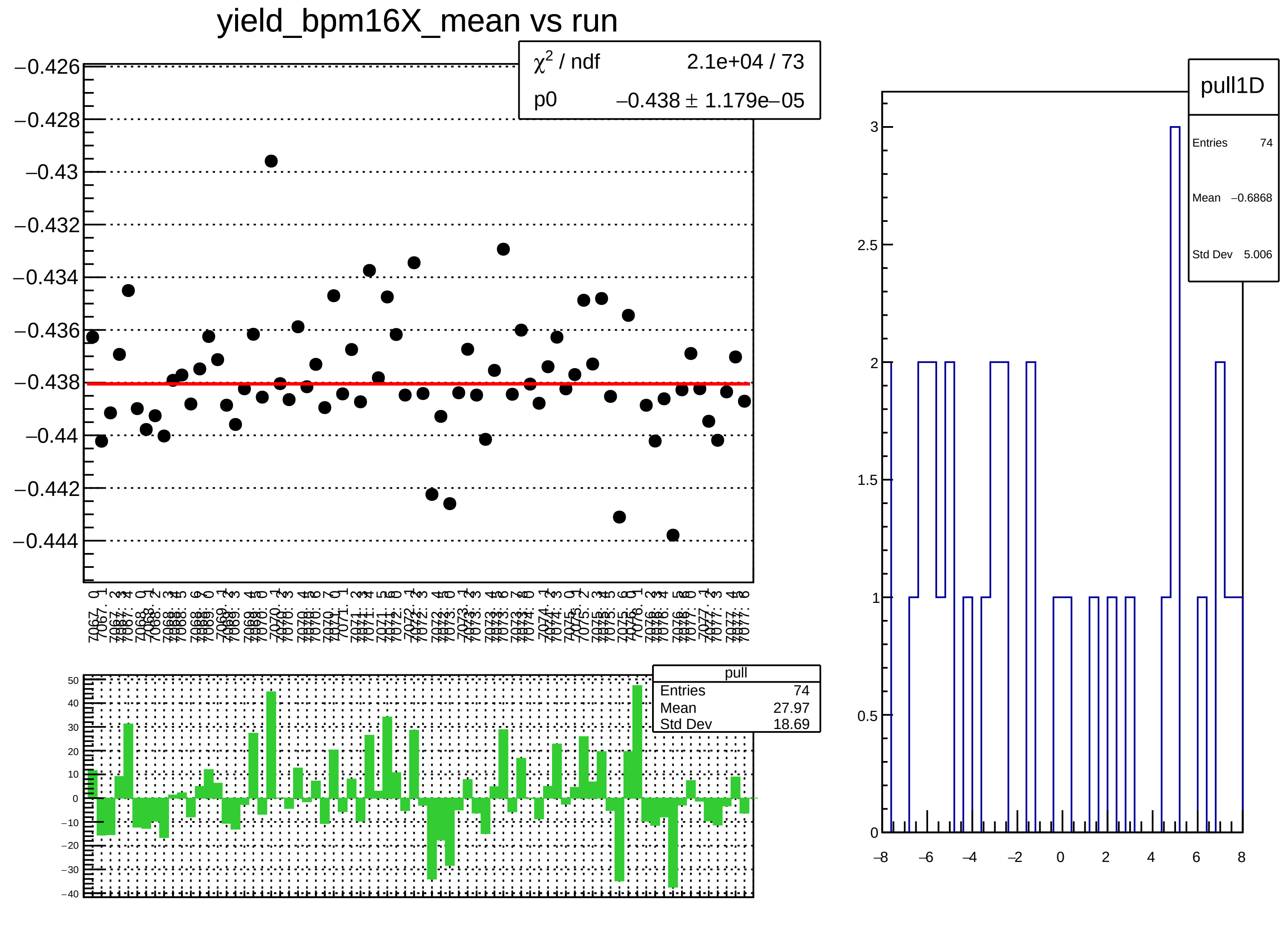
yield_bpm12X_mean vs run
χ^2 / ndf 1.412e+05 / 73
p0 −1.528 ± 5.16e−05
pull
Entries 74
Mean −79.51
Std Dev 101.4
pull1D
Entries 74
Mean −0.4356
Std Dev 4.458


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

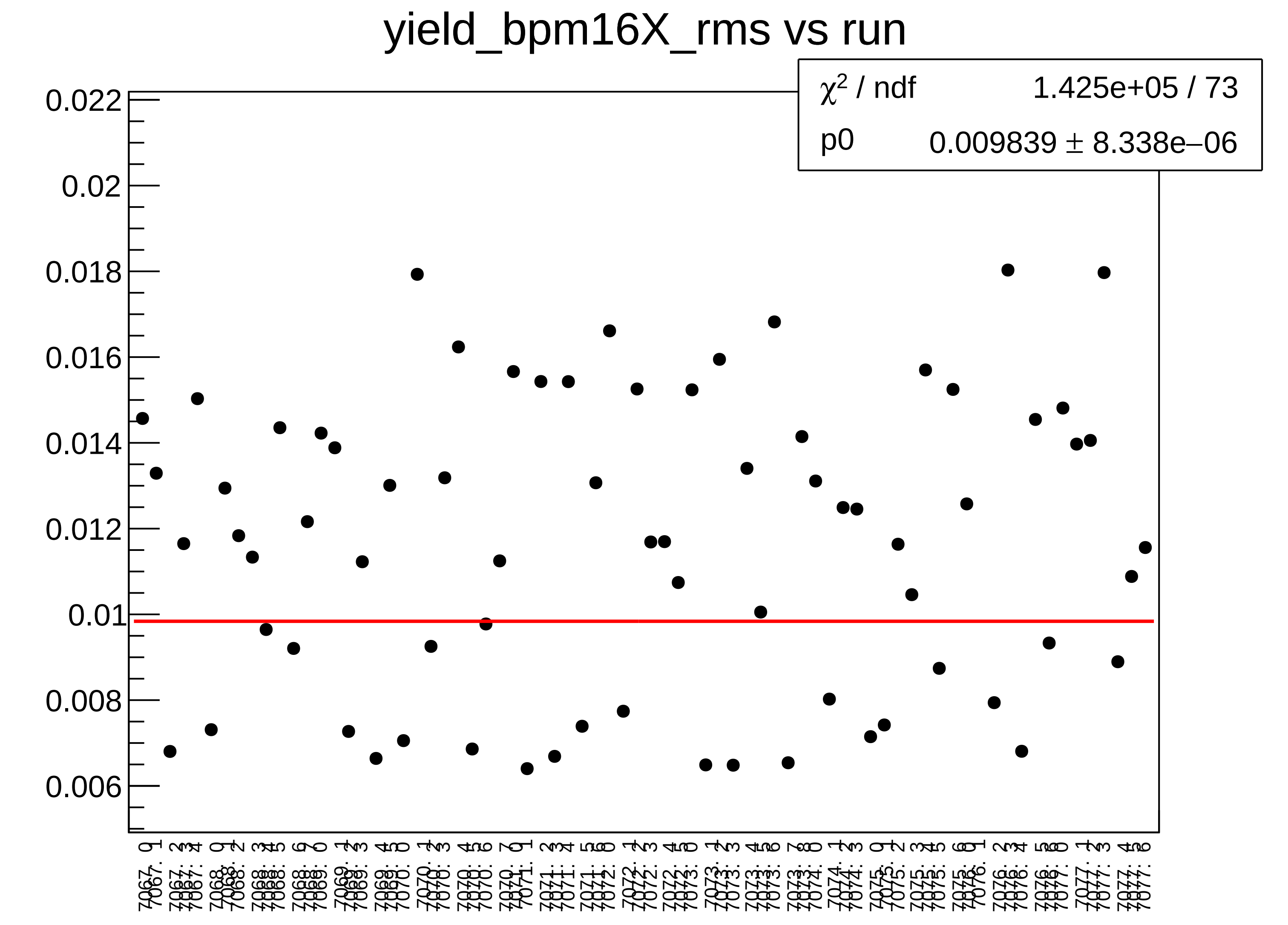

yield_bpm12Y_mean vs run
χ^2 / ndf 6.423e+06 / 73
p0 1.331± 1.036e−05
1.34
1.32
1.3
1.28
1.26
pull
Entries 74
Mean −483.1
Std Dev 511.1
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 74
Mean −7.314
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8 −6 −4 −2 0 2 4 6 8



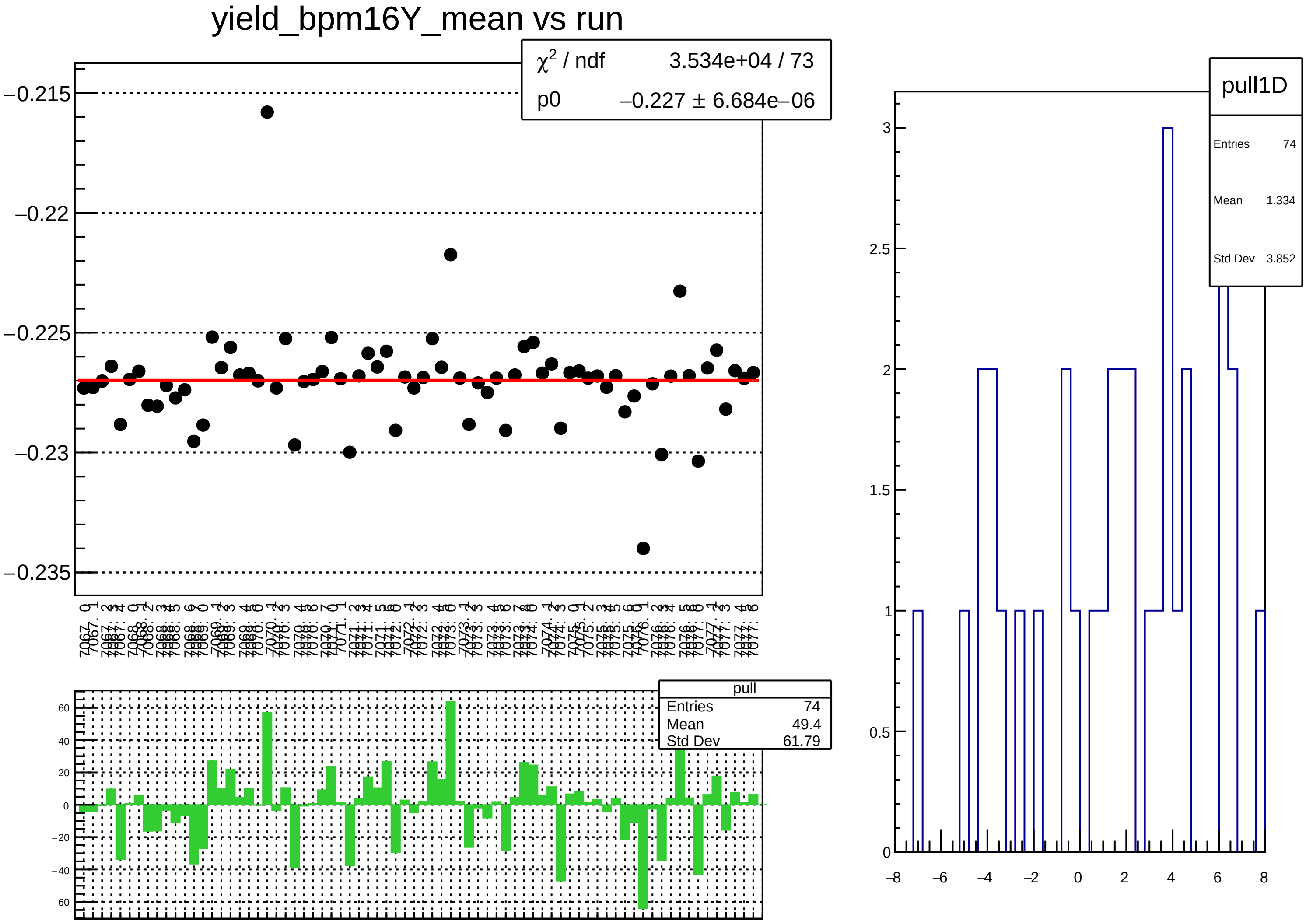
yield_bpm12Y_rms vs run
χ2 / ndf 2.09e+04 / 73
p0 0.00901 ± 7.322e−06

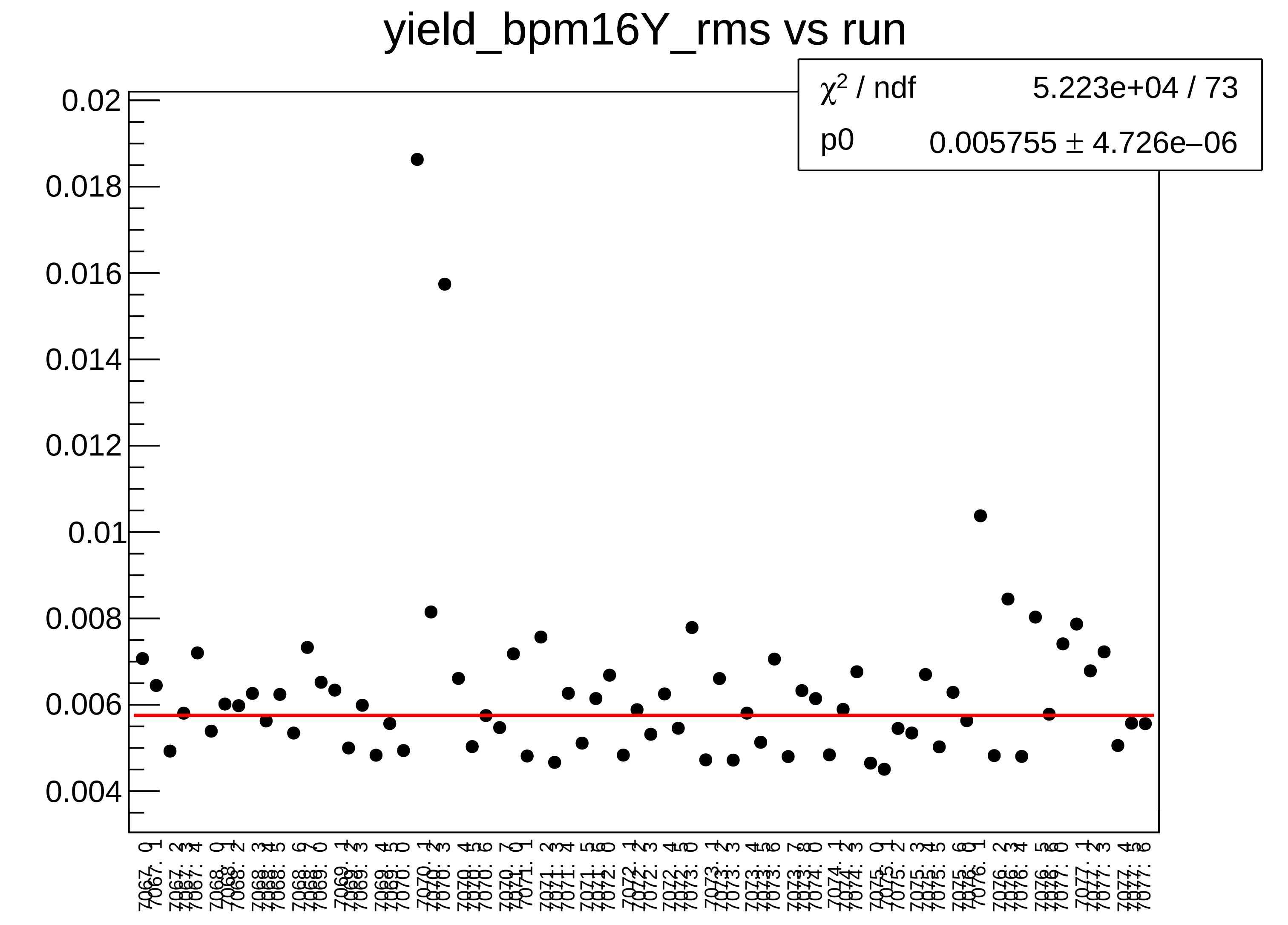


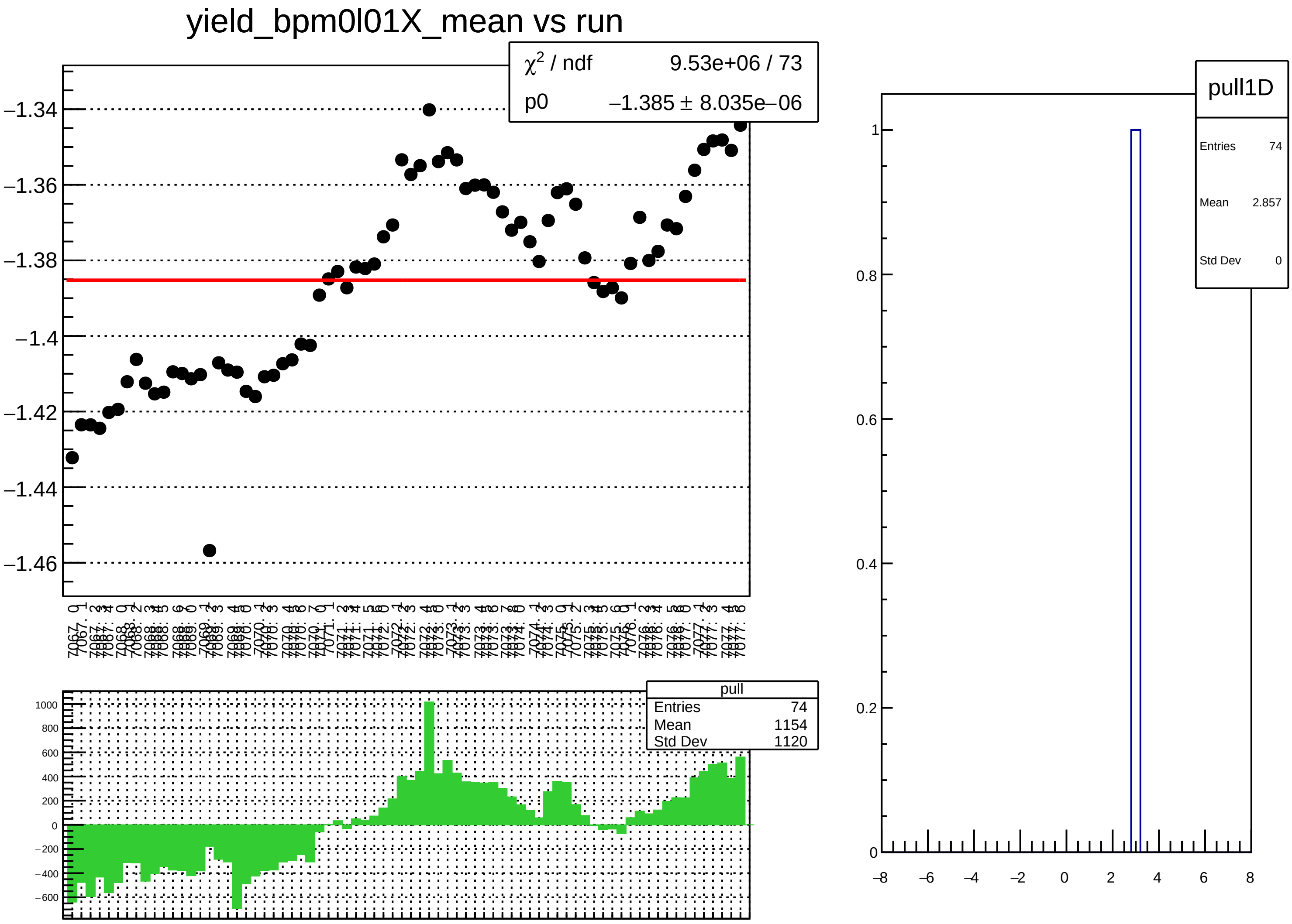
yield_bpm16X_mean vs run
χ^2 / ndf 2.1e+04 / 73
p0 −0.438 ± 1.179e−05
pull
Entries 74
Mean 27.97
Std Dev 18.69
pull1D
Entries 74
Mean −0.6868
Std Dev 5.006

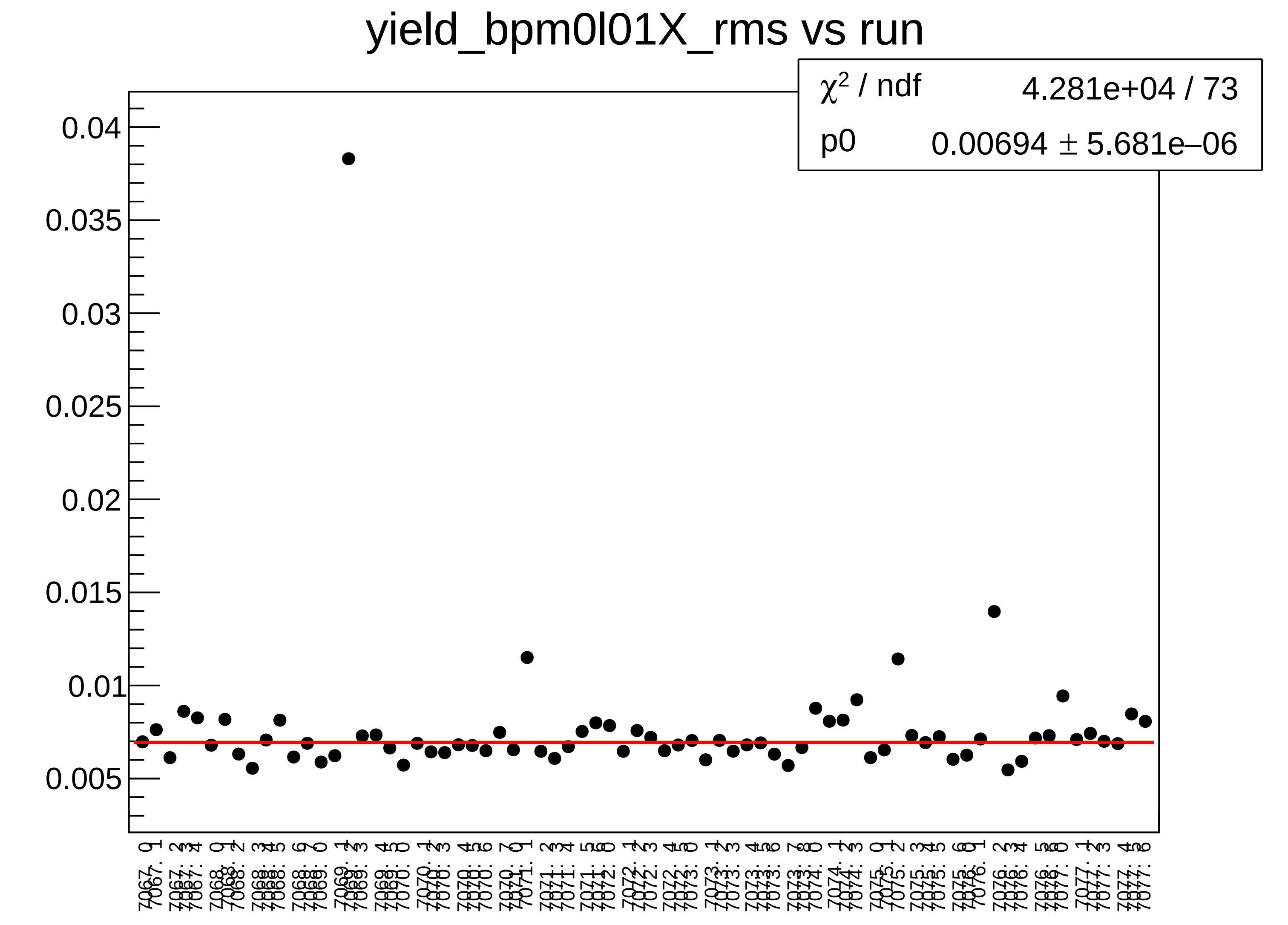


yield_bpm16X_rms vs run
χ2 / ndf 1.425e+05 / 73
p0 0.009839 ± 8.338e−06

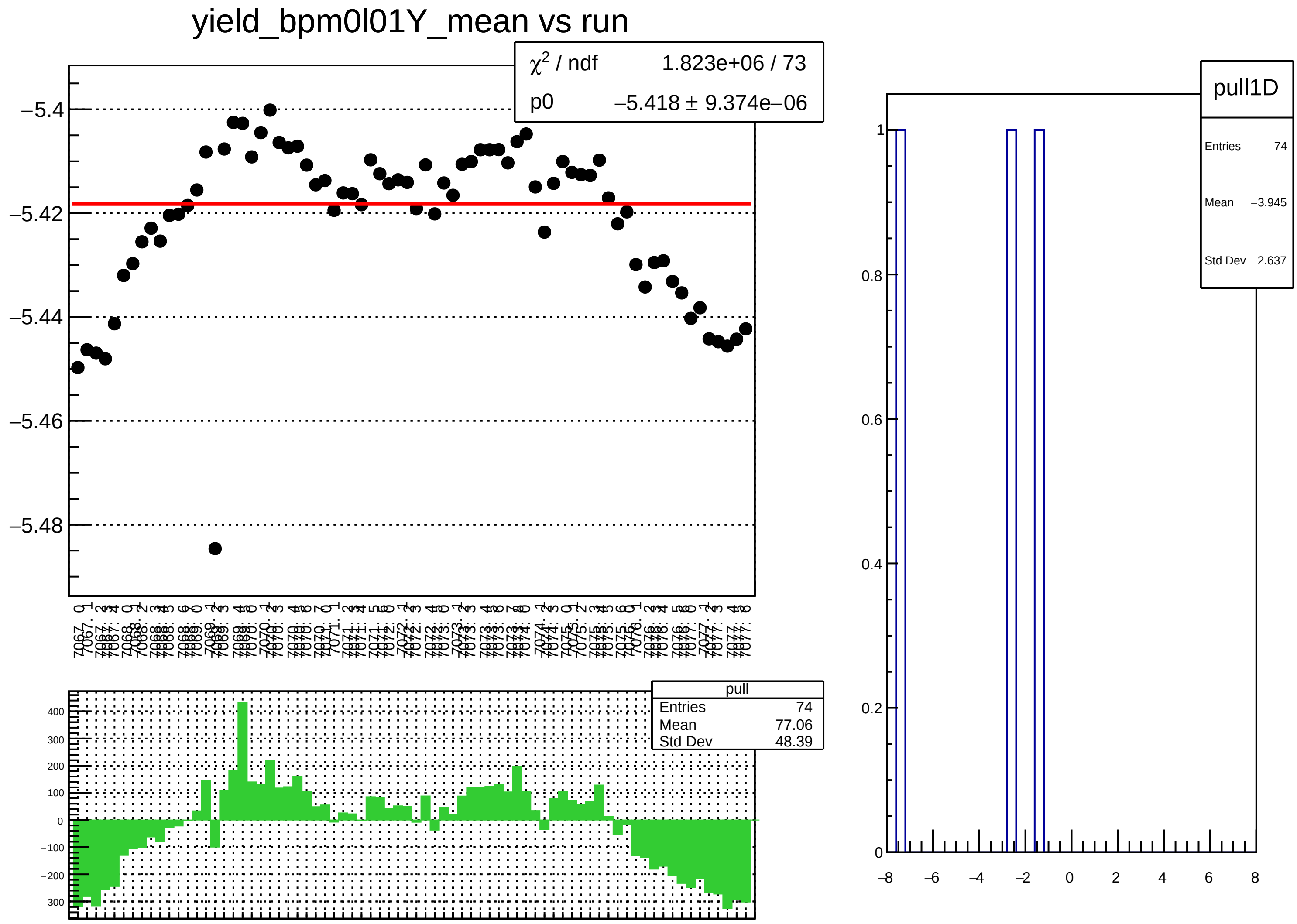

yield_bpm16Y_mean vs run
χ^2 / ndf 3.534e+04 / 73
p0 −0.227 ± 6.684e−06
pull
Entries 74
Mean 49.4
Std Dev 61.79
pull1D
Entries 74
Mean 1.334
Std Dev 3.852


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

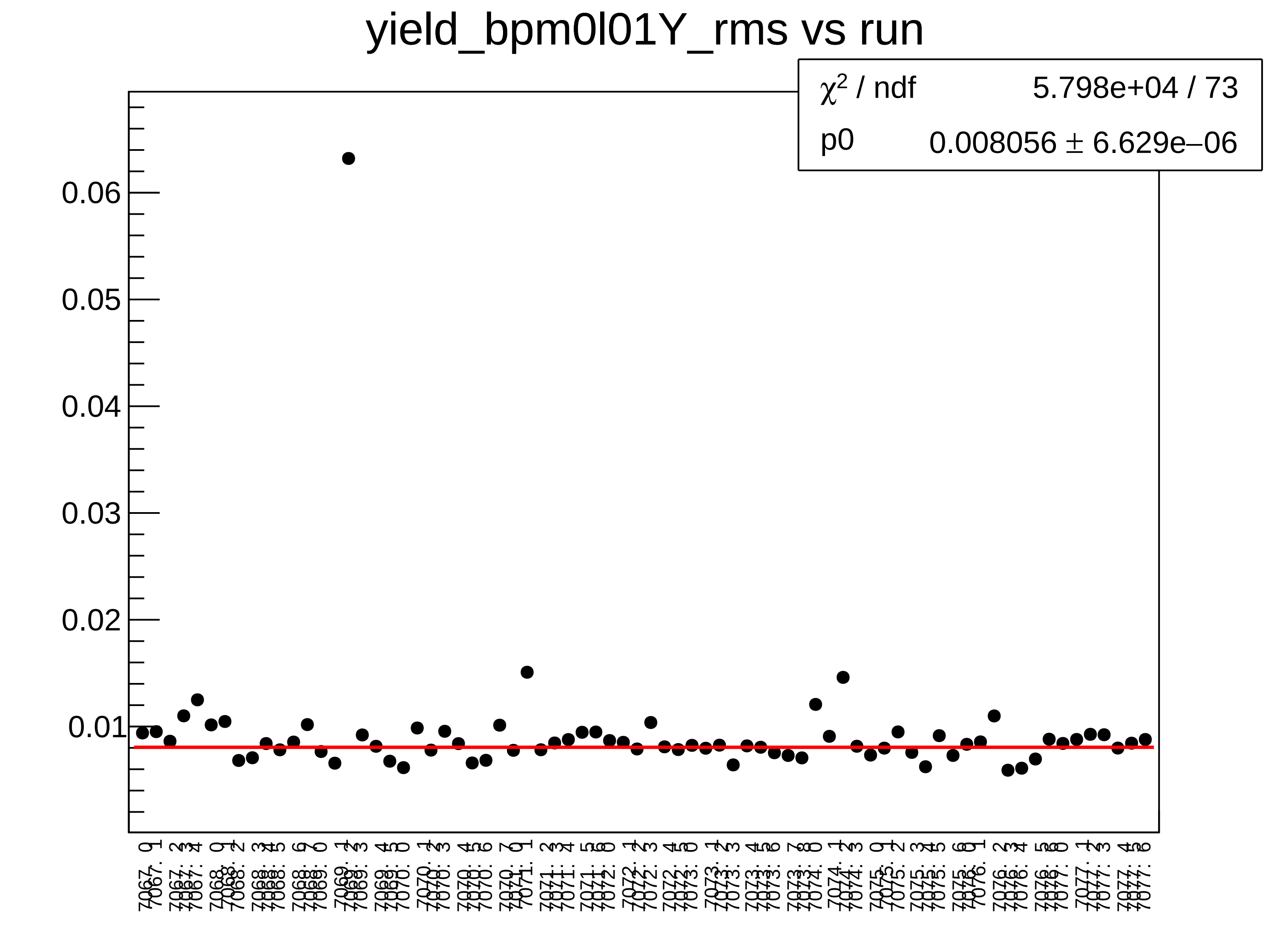

yield_bpm0l01X_mean vs run
χ^2 / ndf 9.53e+06 / 73
p0 −1.385 ± 8.035e−06
pull
Entries 74
Mean 1154
Std Dev 1120
pull1D
Entries 74
Mean 2.857
Std Dev 0

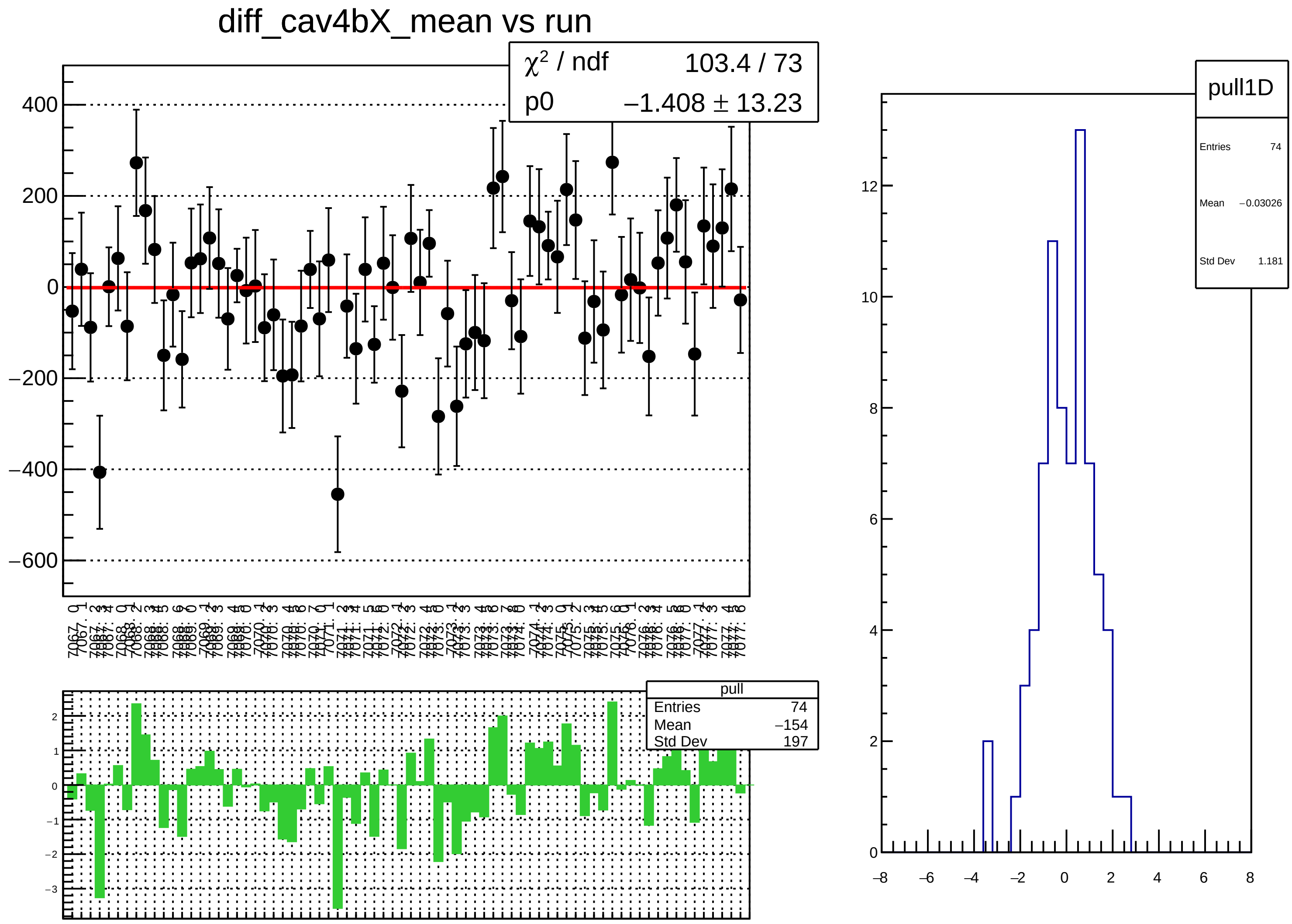


yield_bpm0l01X_rms vs run
χ^2 / ndf 4.281e+04 / 73
p0 0.00694 ± 5.681e–06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

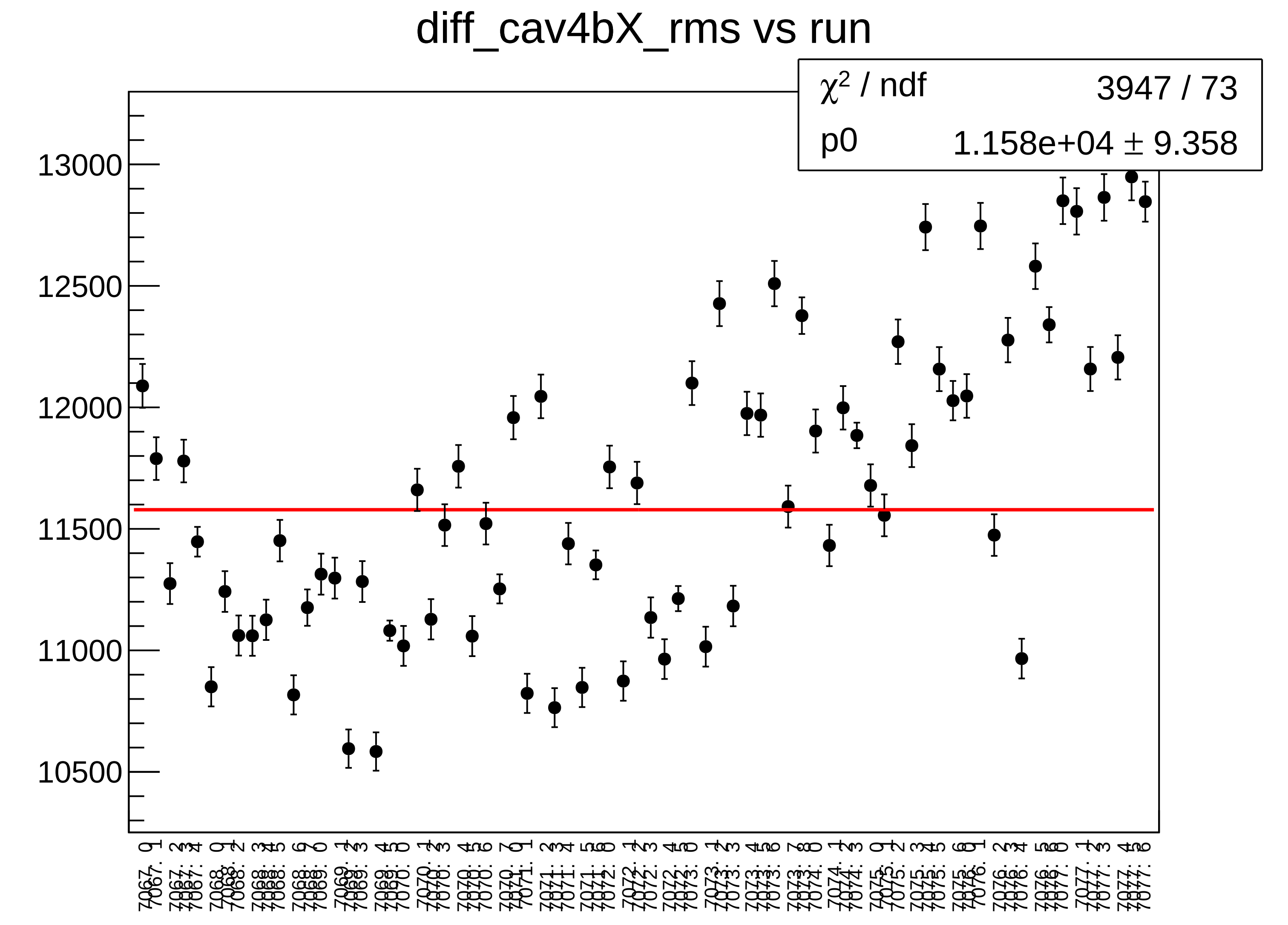


yield_bpm0l01Y_mean vs run
χ^2 / ndf 1.823e+06 / 73
p0 −5.418 ± 9.374e−06
pull
Entries 74
Mean 77.06
Std Dev 48.39
pull1D
Entries 74
Mean −3.945
Std Dev 2.637


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

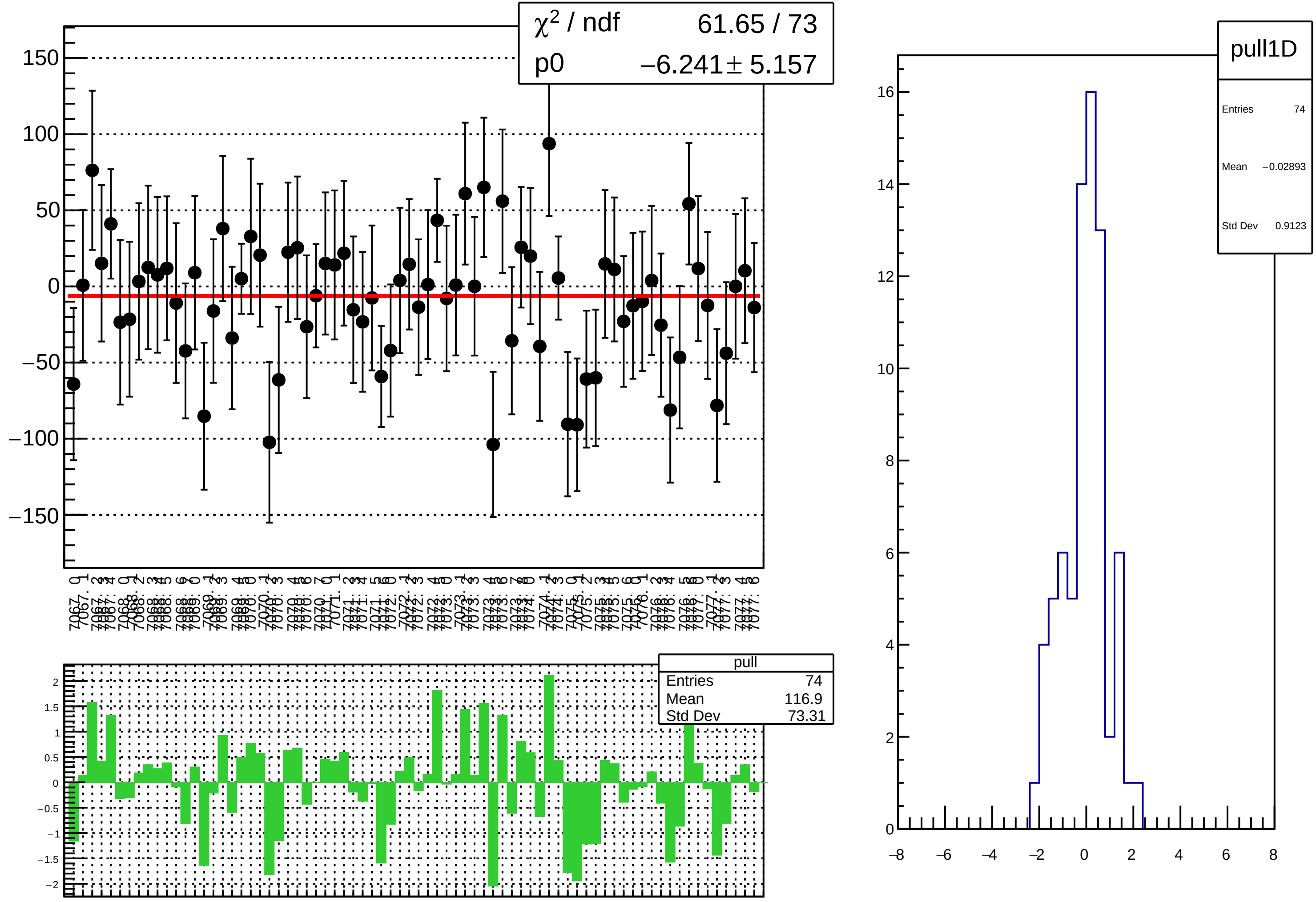


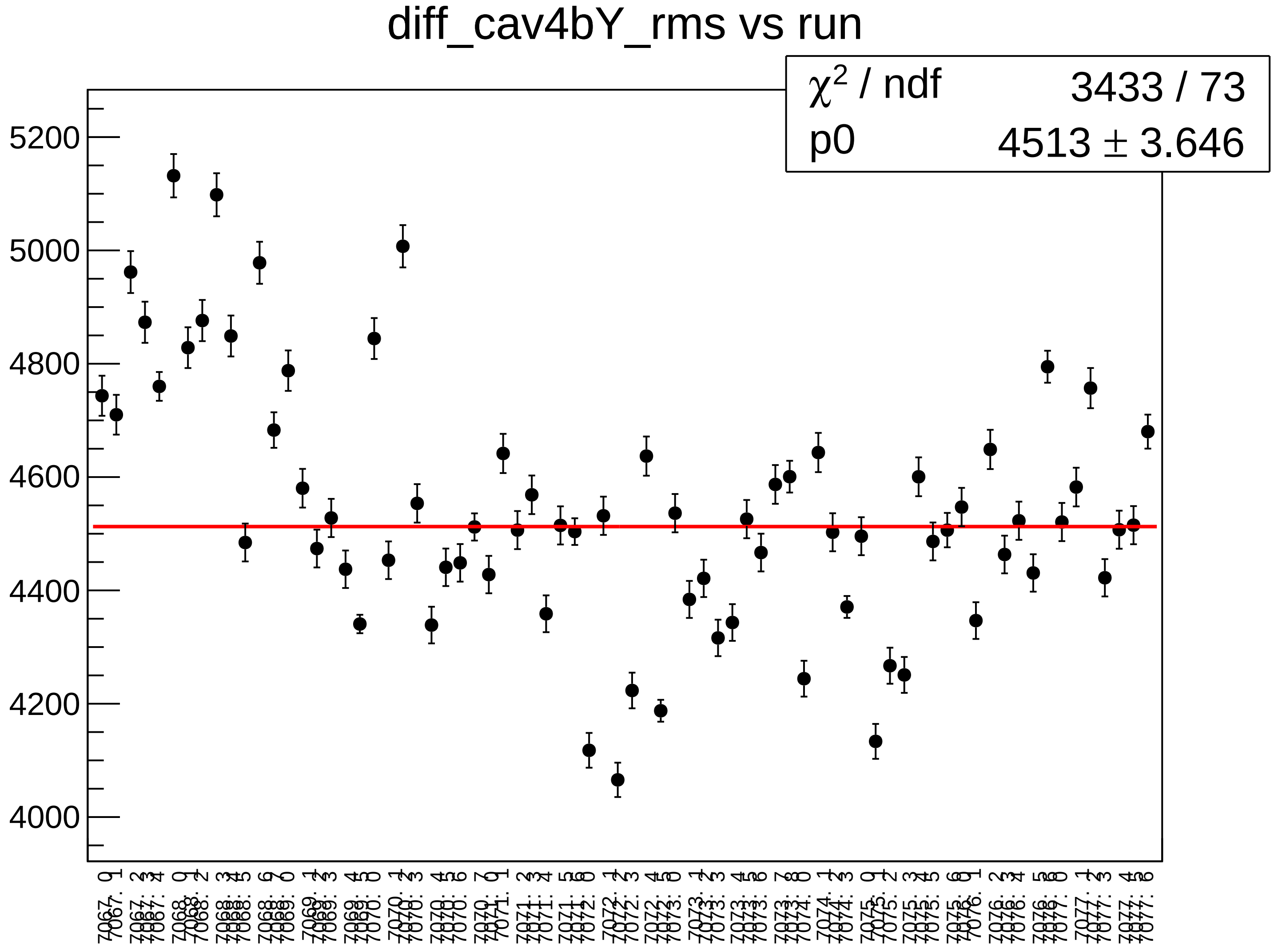
diff_cav4bX_mean vs run
χ^2 / ndf 103.4 / 73
p0 −1.408 ± 13.23
pull
Entries 74
Mean −154
Std Dev 197
pull1D
Entries 74
Mean −0.03026
Std Dev 1.181



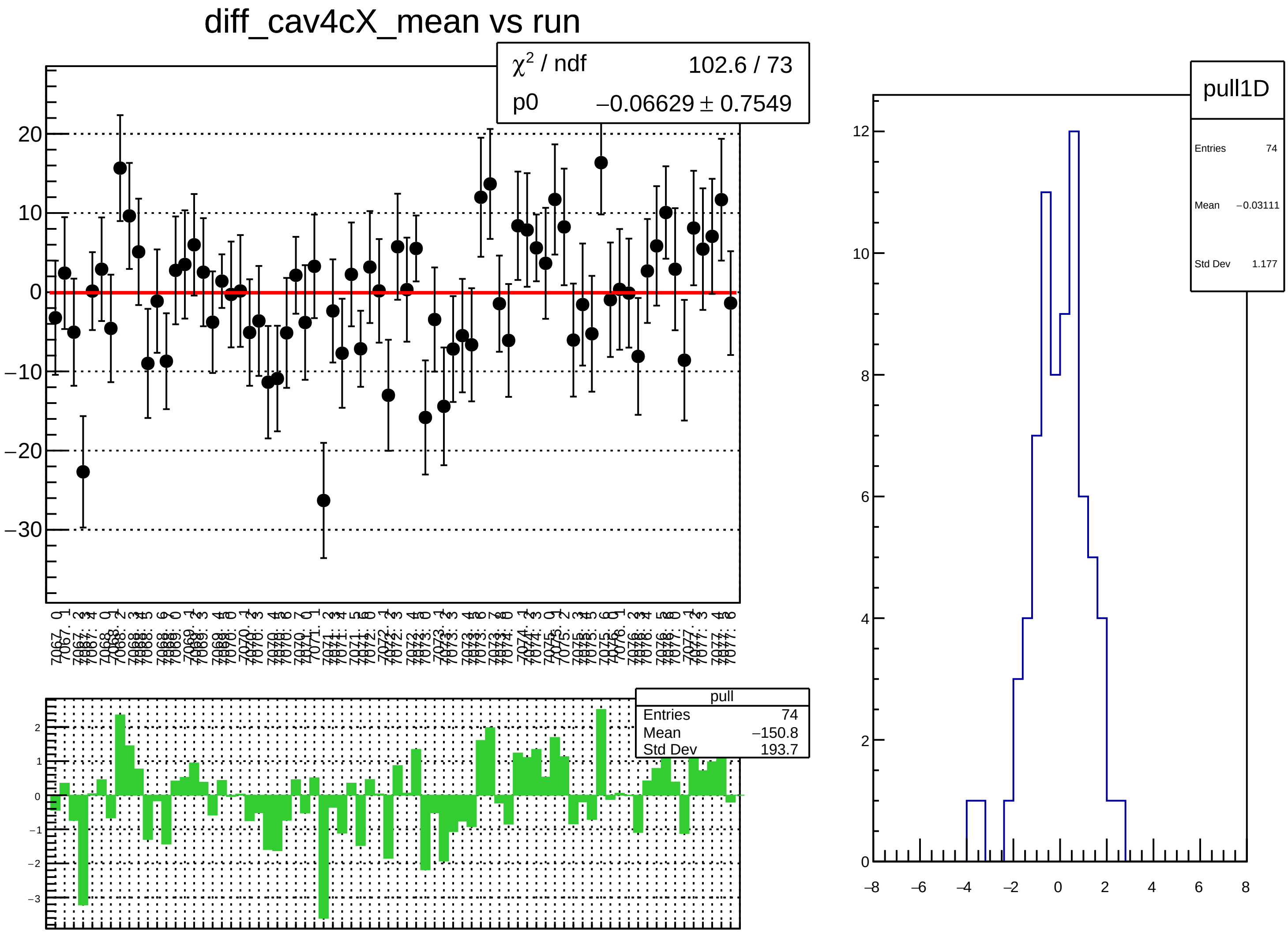
diff_cav4bX_rms vs run
χ2 / ndf 3947 / 73
p0 1.158e+04 ± 9.358
13000
12500
12000
11500
11000
10500

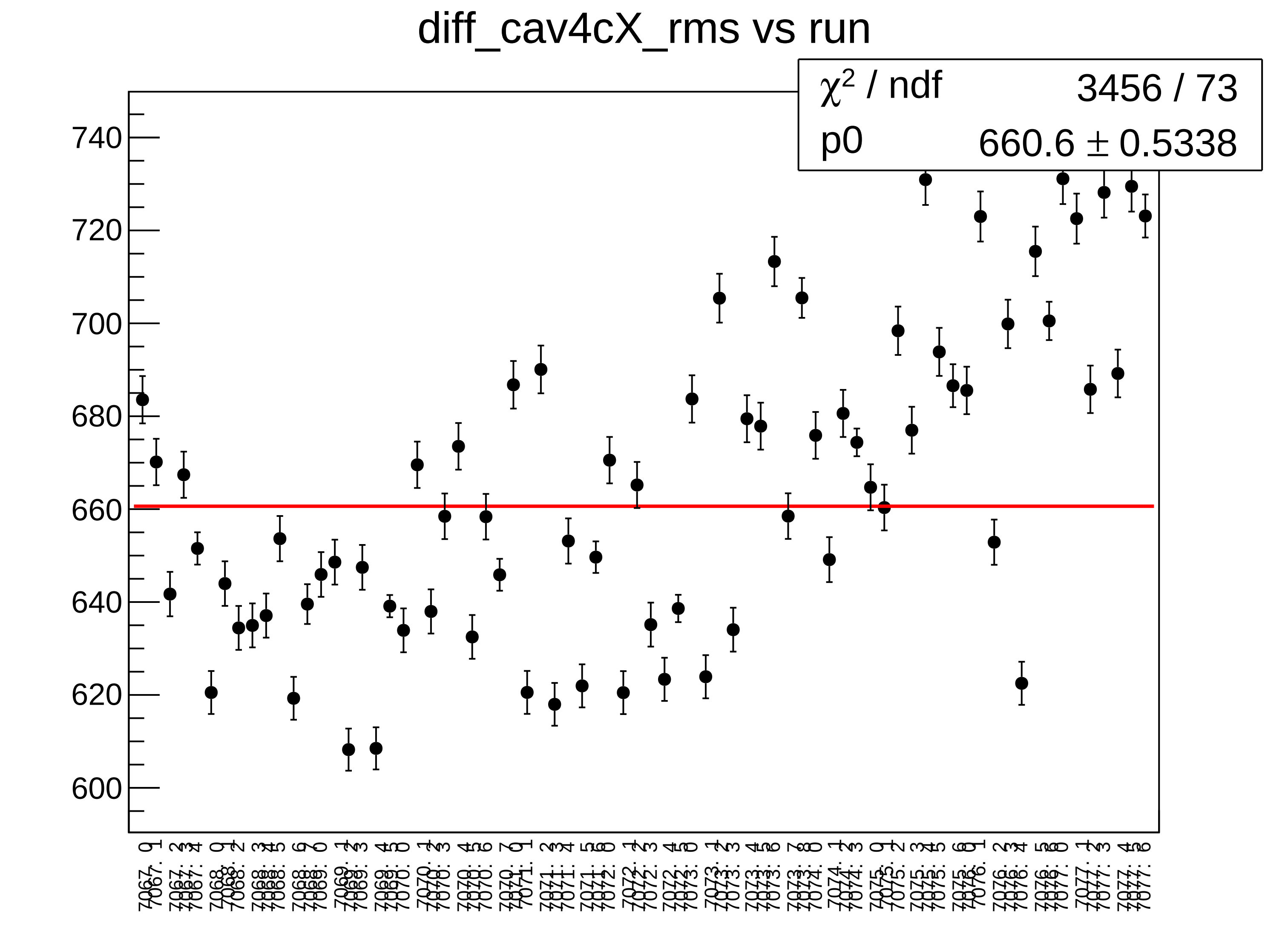
diff_cav4bY_mean vs run



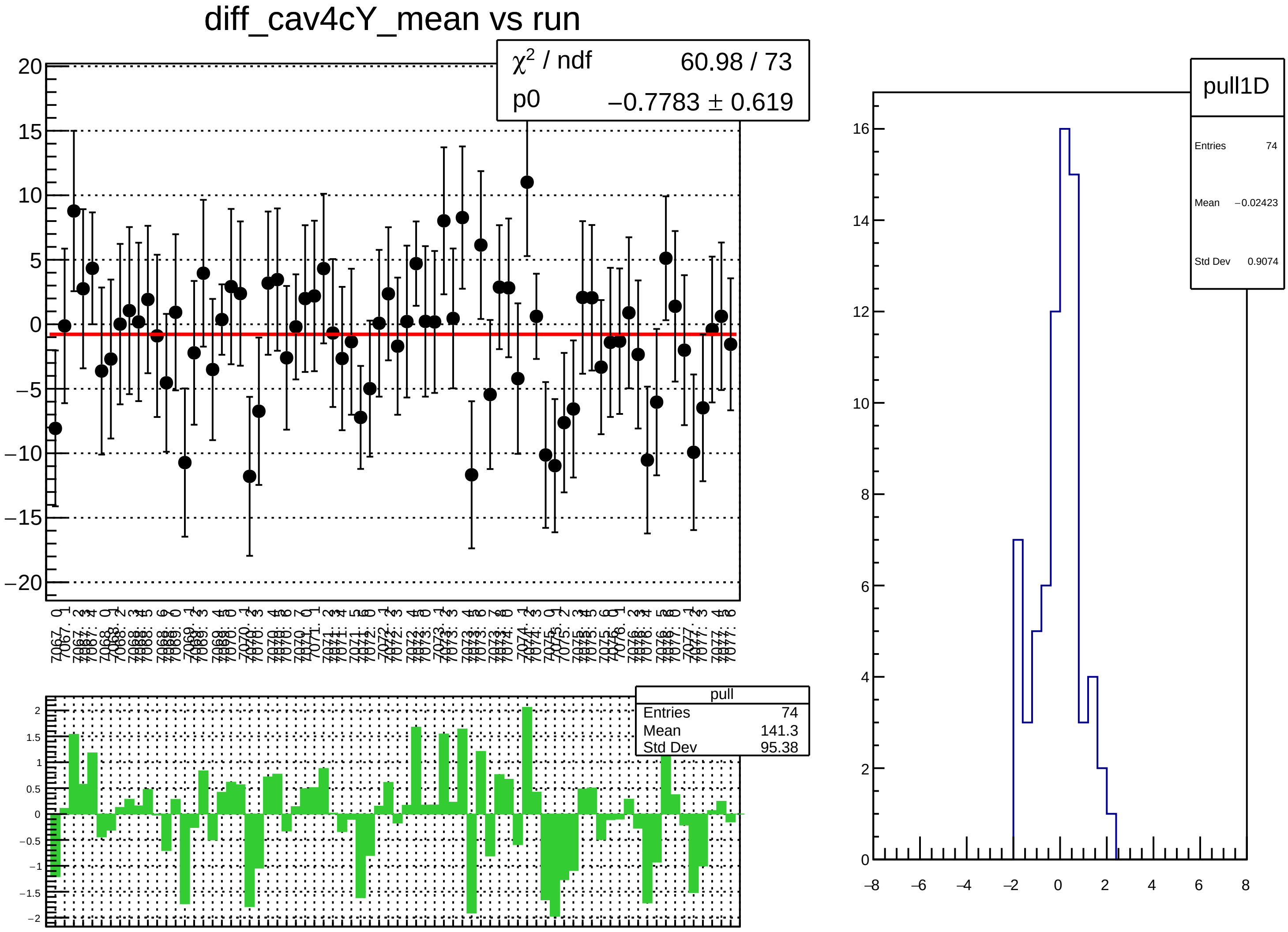


diff_cav4bY_rms vs run
χ^2 / ndf 3433 / 73
p0 4513 ± 3.646
5200
5000
4800
4600
4400
4200
4000

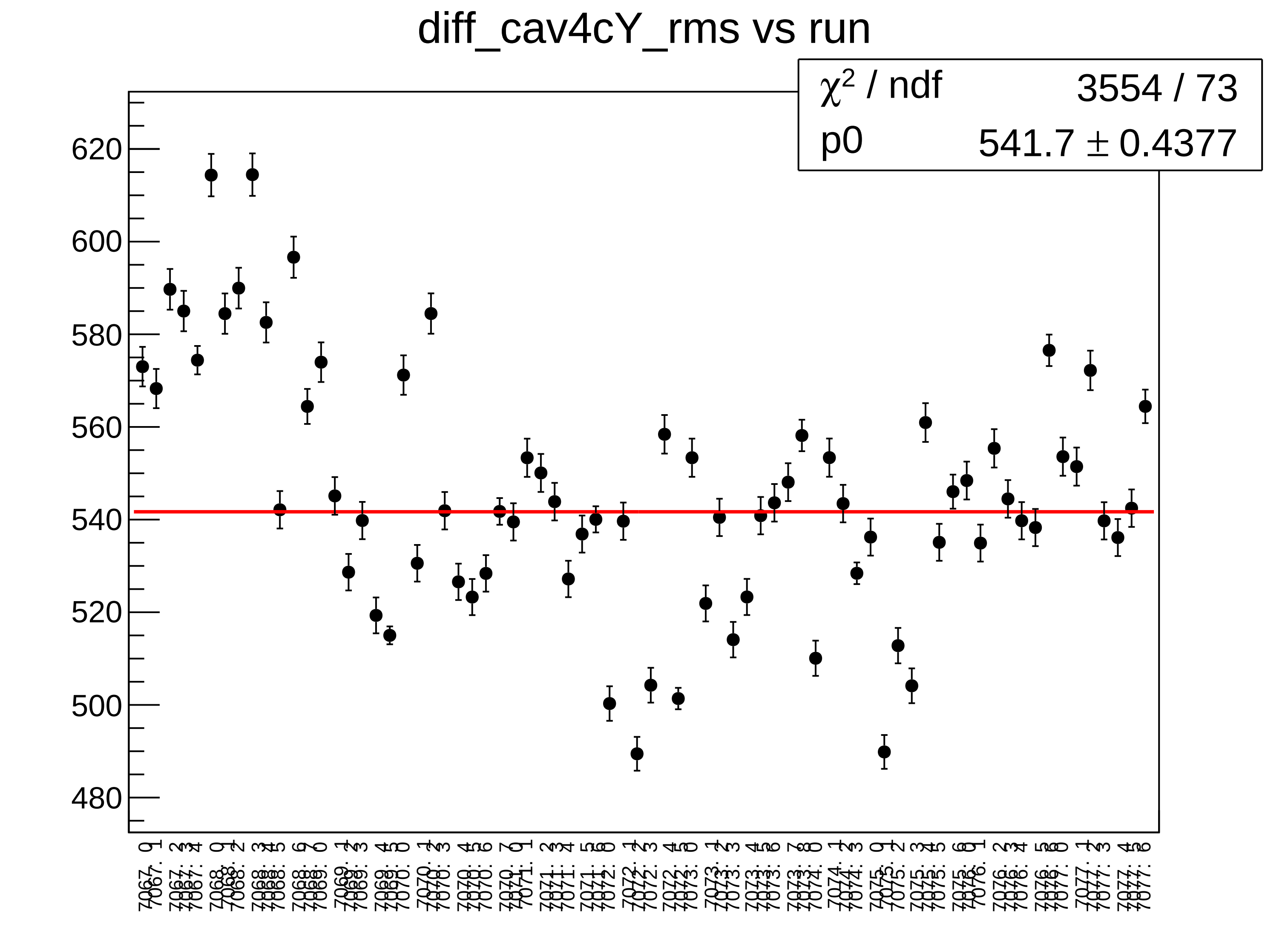

diff_cav4cX_mean vs run
χ^2 / ndf 102.6 / 73
p0 −0.06629 ± 0.7549
pull
Entries 74
Mean −150.8
Std Dev 193.7
pull1D
Entries 74
Mean −0.03111
Std Dev 1.177

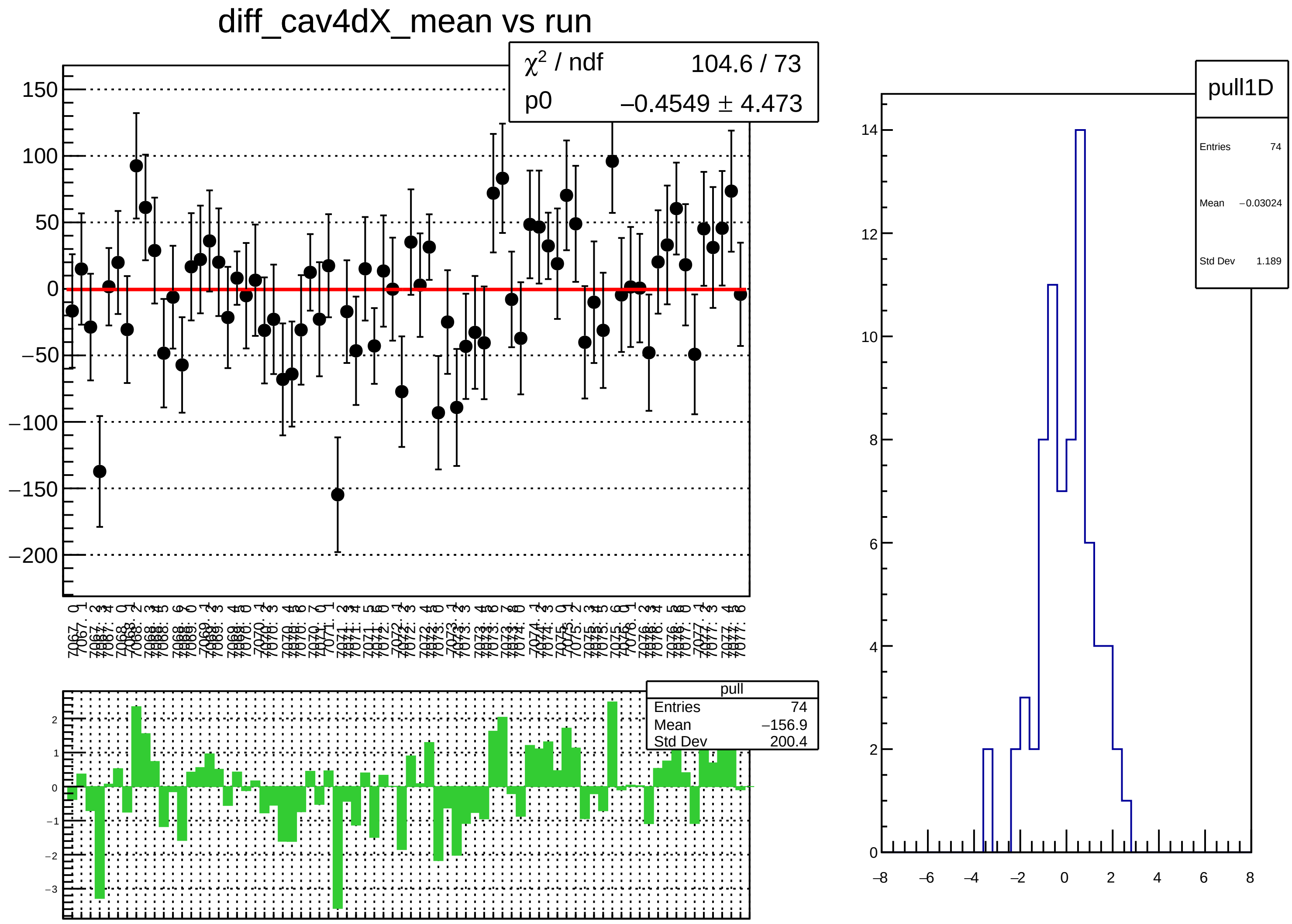


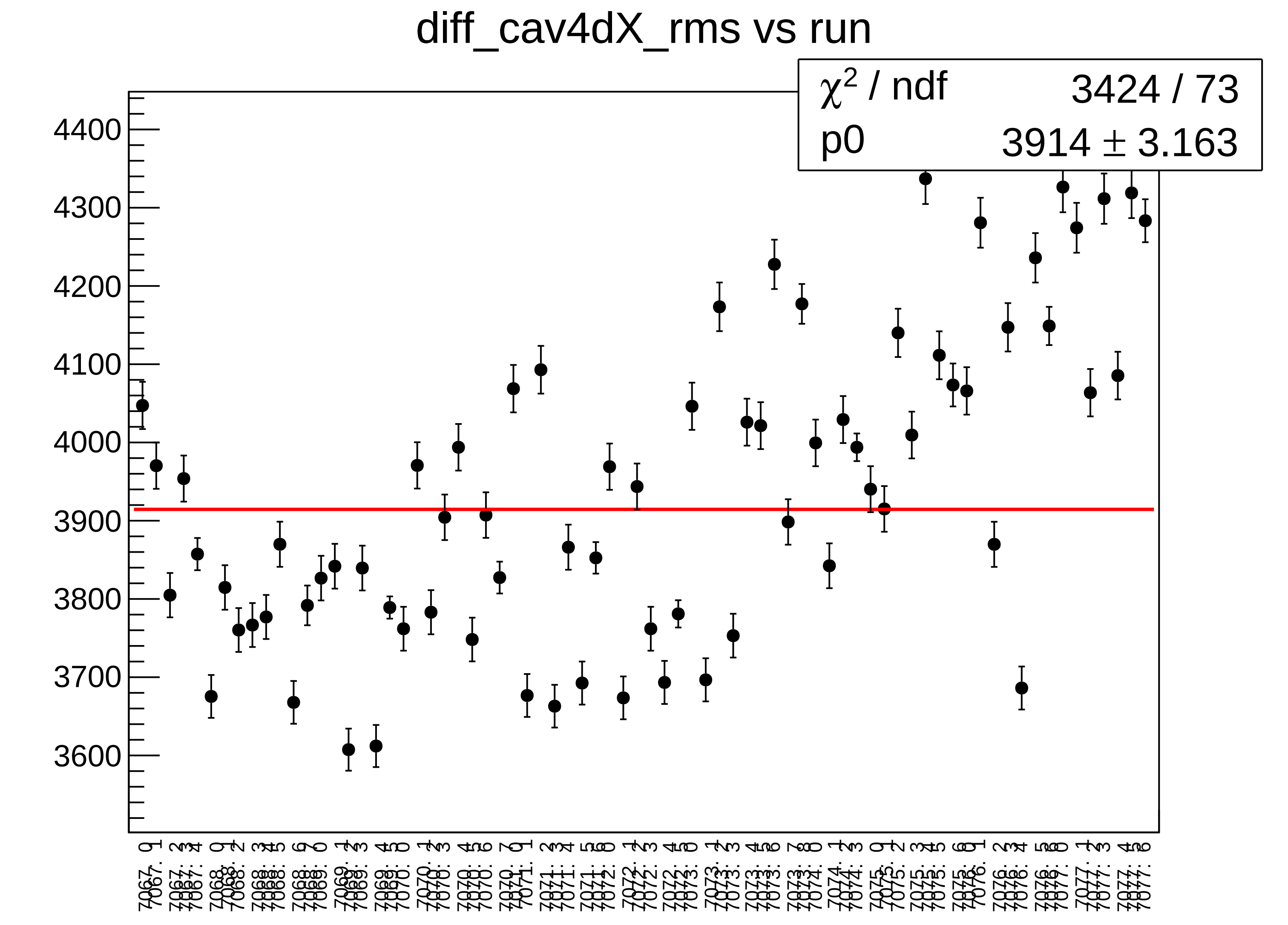
diff_cav4cX_rms vs run
χ^2 / ndf 3456 / 73
p0 660.6 ± 0.5338
740
720
700
680
660
640
620
600

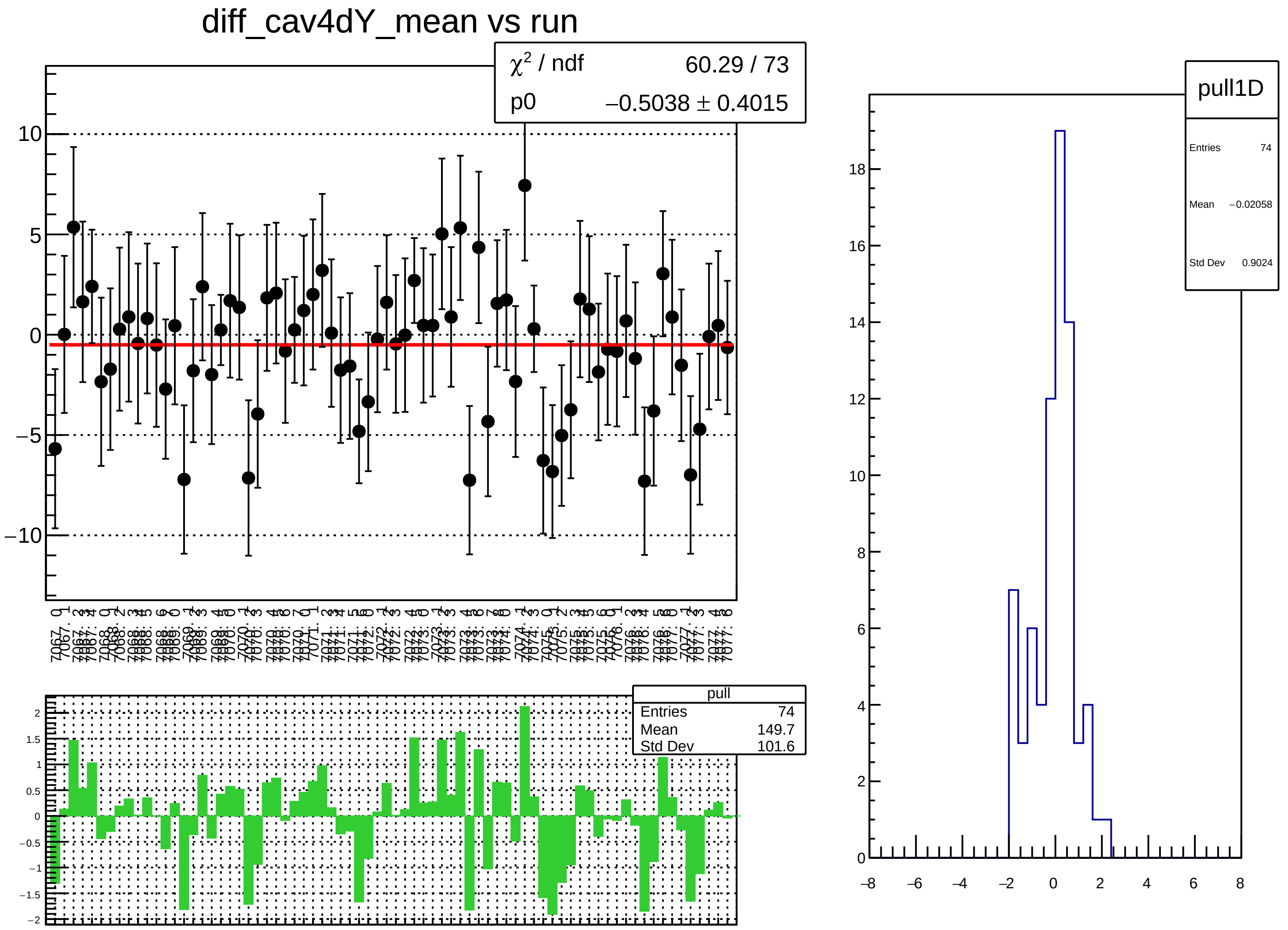


diff_cav4cY_mean vs run
χ2 / ndf 60.98 / 73
p0 −0.7783 ± 0.619
pull
Entries 74
Mean 141.3
Std Dev 95.38
pull1D
Entries 74
Mean −0.02423
Std Dev 0.9074

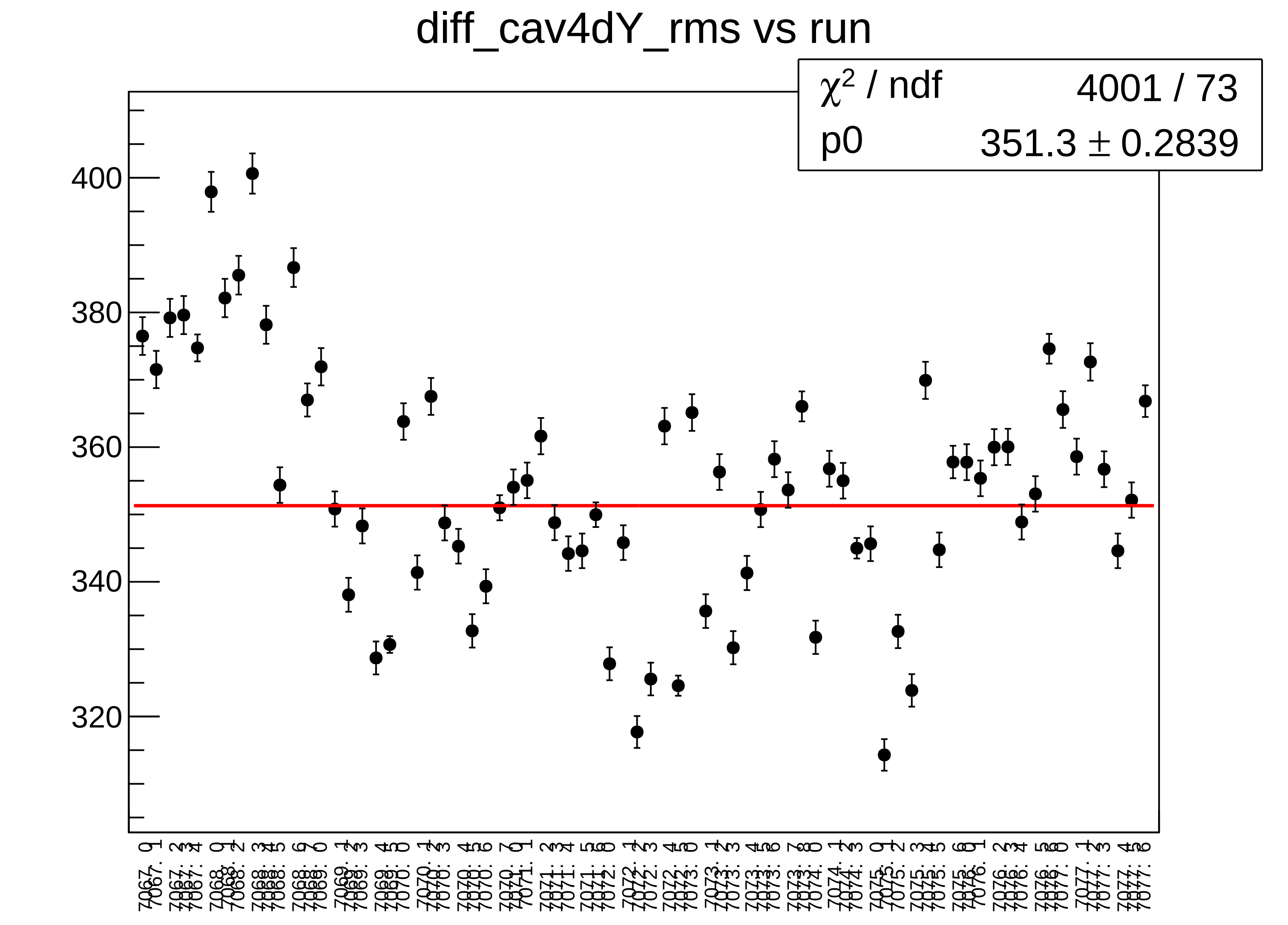

diff_cav4cY_rms vs run
χ^2 / ndf 3554 / 73
p0 541.7 ± 0.4377


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

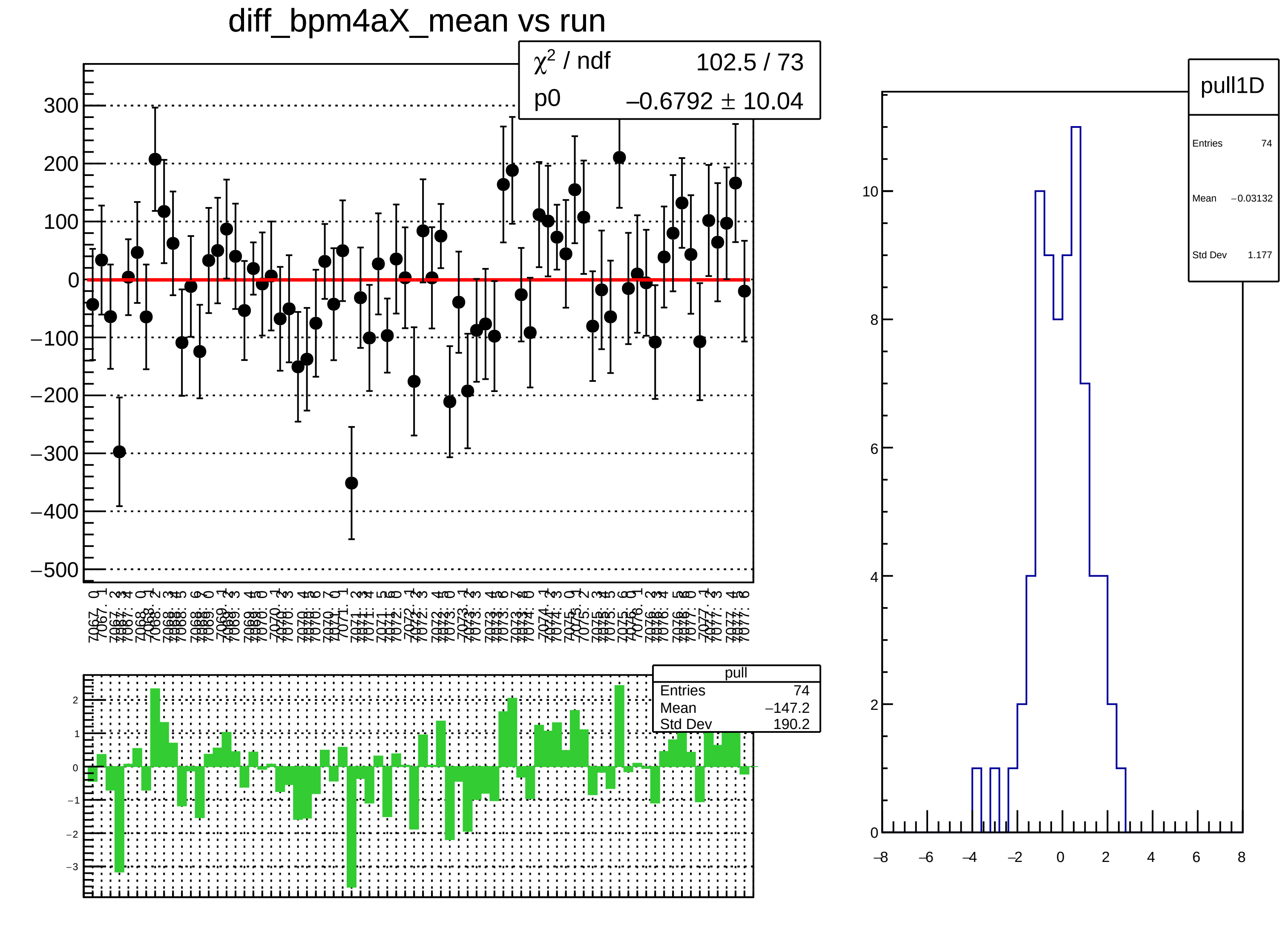

diff_cav4dX_rms vs run
χ^2 / ndf 3424 / 73
p0 3914 ± 3.163
4400
4300
4200
4100
4000
3900
3800
3700
3600



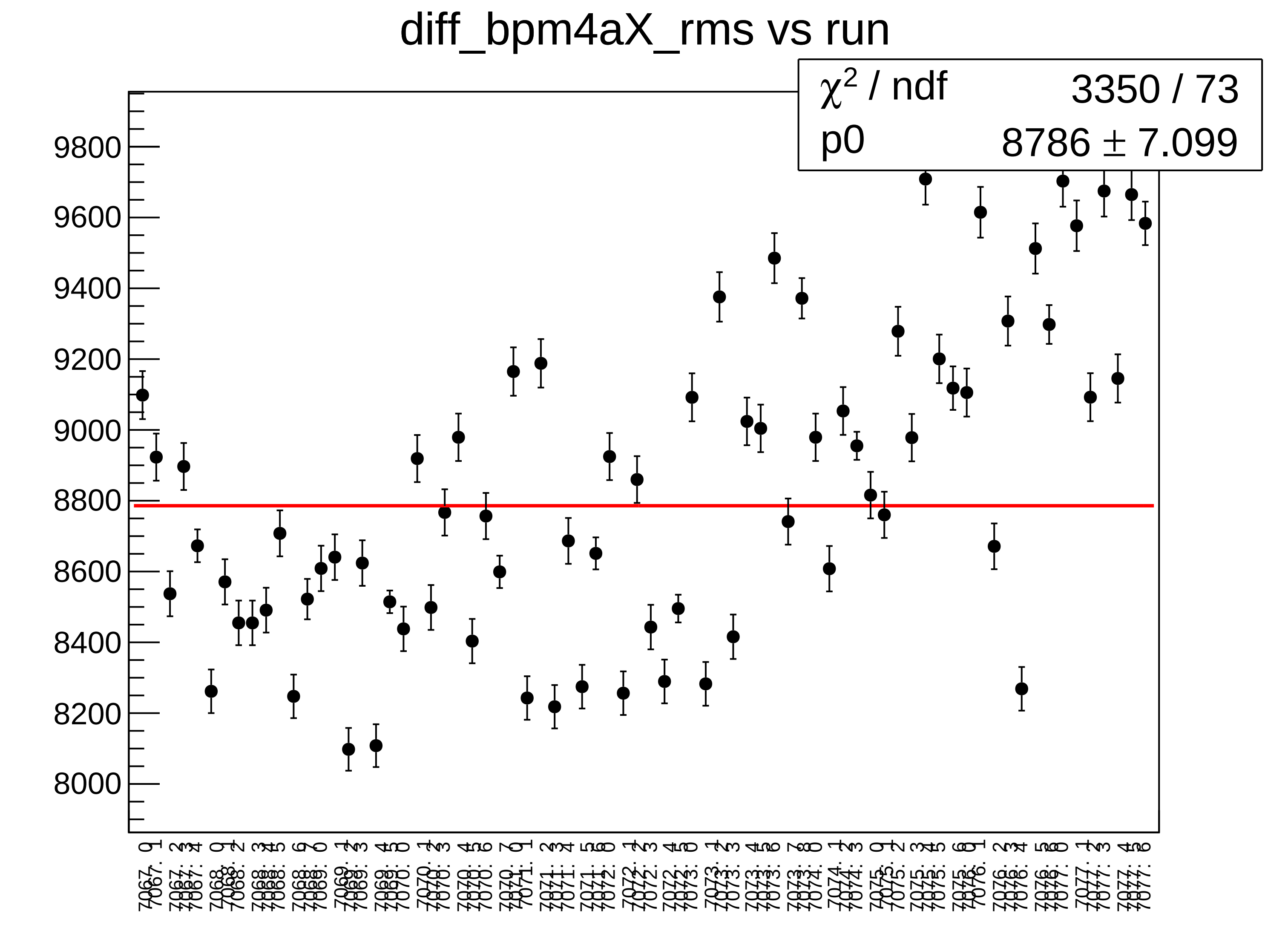
diff_cav4dY_mean vs run
χ^2 / ndf 60.29 / 73
p0 −0.5038 ± 0.4015
pull
Entries 74
Mean 149.7
Std Dev 101.6
pull1D
Entries 74
Mean −0.02058
Std Dev 0.9024



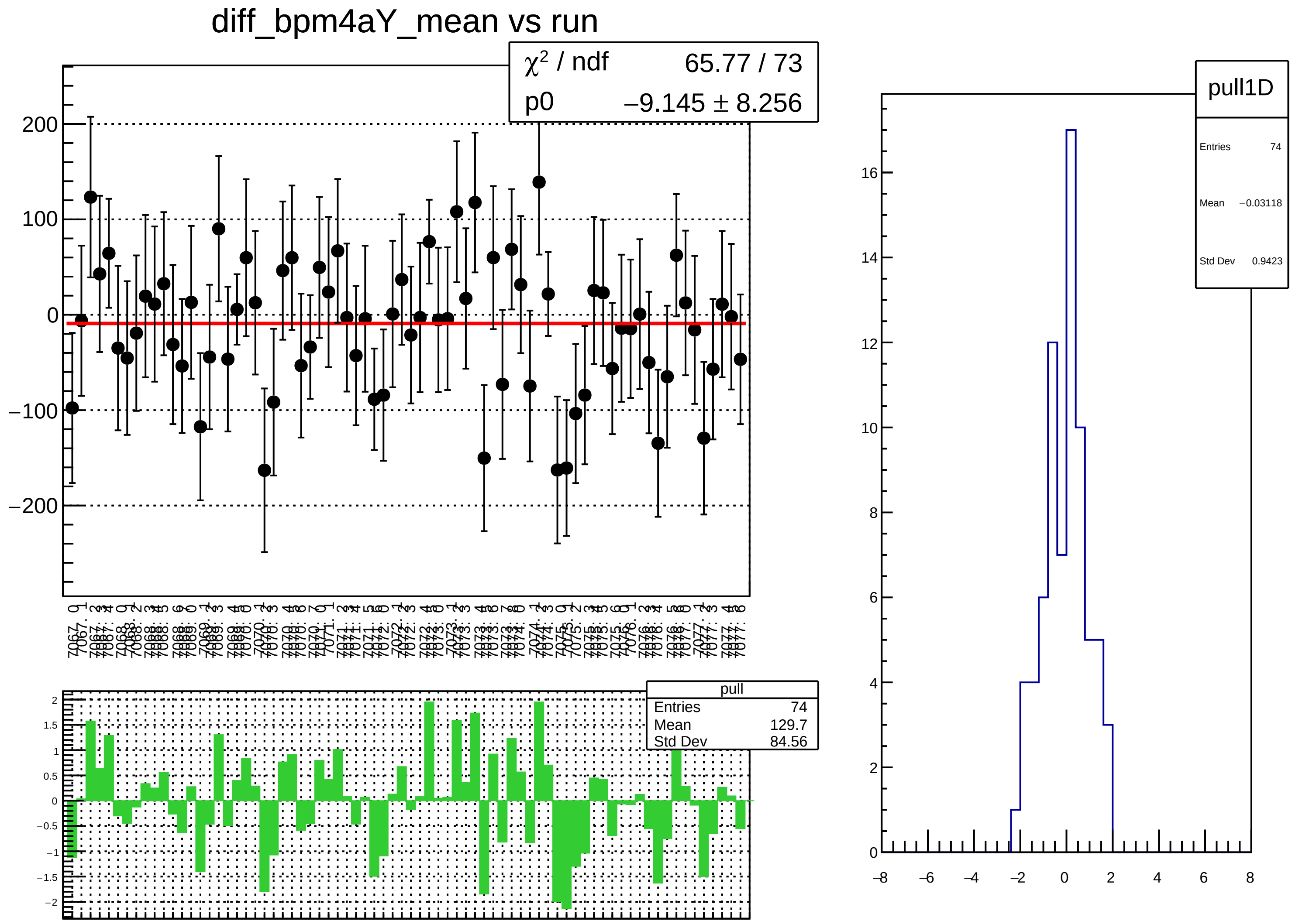
diff_cav4dY_rms vs run
χ^2 / ndf 4001 / 73
p0 351.3 ± 0.2839
400
380
360
340
320



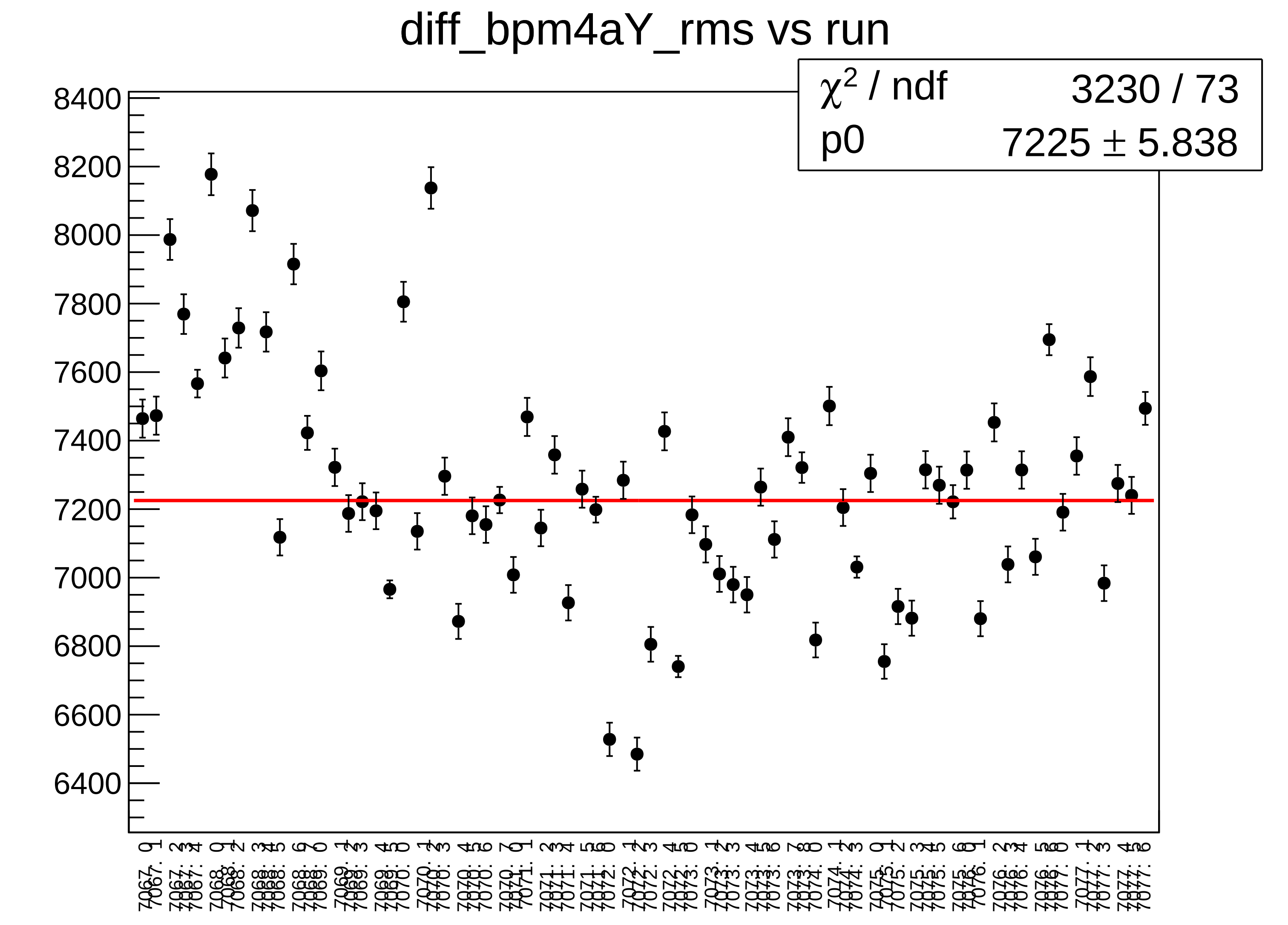
diff_bpm4aX_mean vs run
χ^2 / ndf 102.5 / 73
p0 −0.6792 ± 10.04
pull
Entries 74
Mean −147.2
Std Dev 190.2
pull1D
Entries 74
Mean −0.03132
Std Dev 1.177



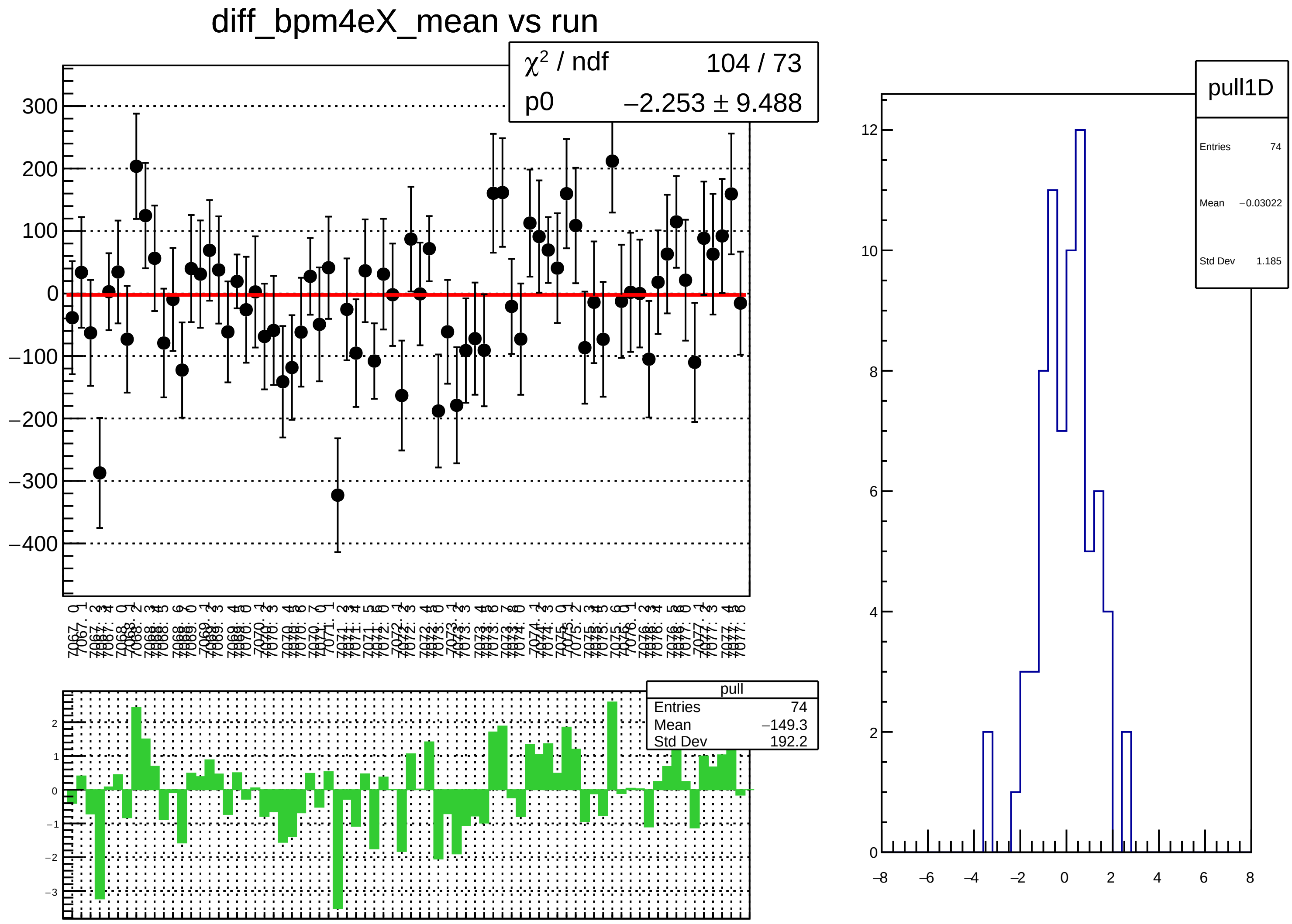
diff_bpm4aX_rms vs run
χ^2 / ndf 3350 / 73
p0 8786 ± 7.099
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000



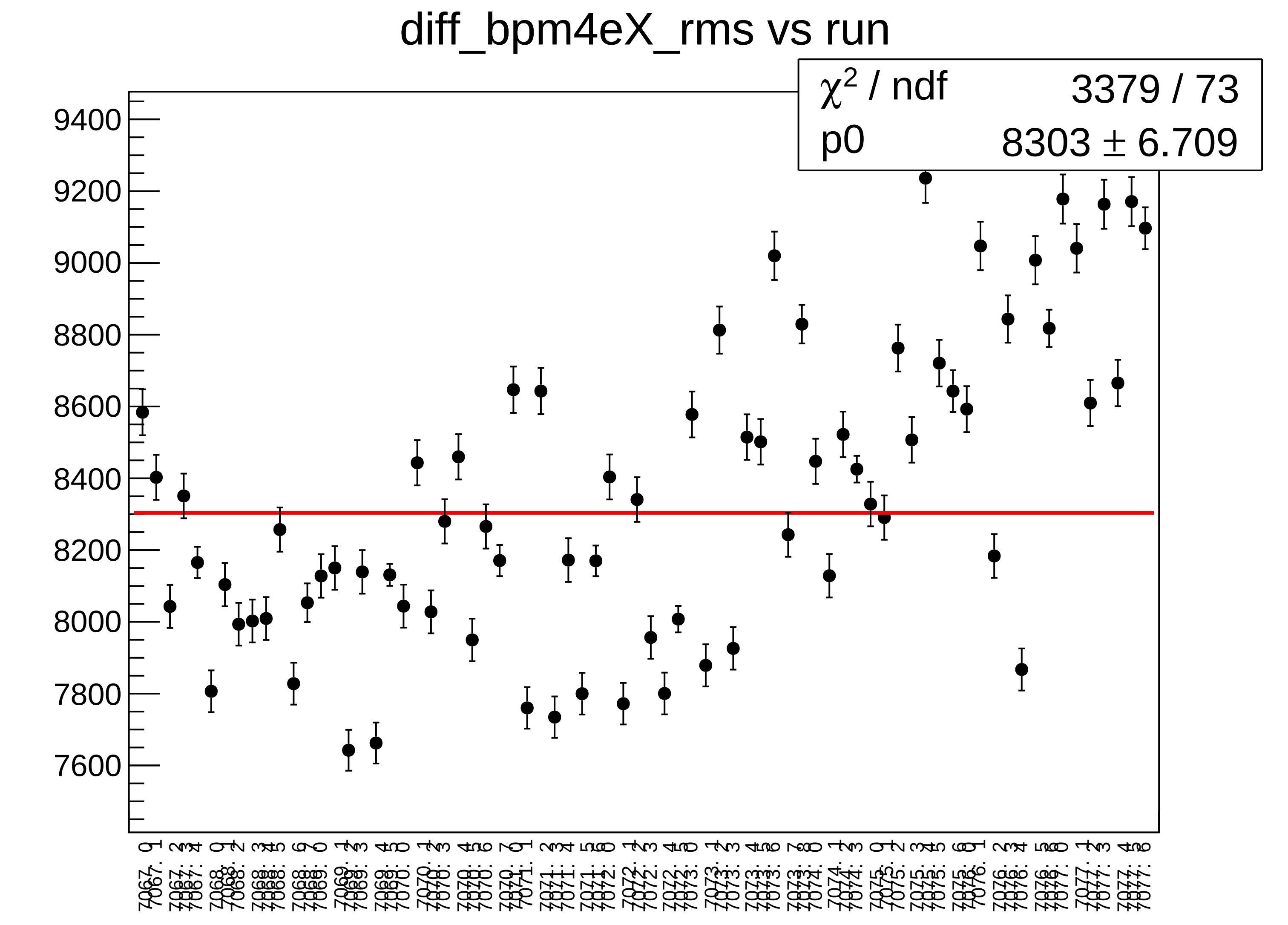
diff_bpm4aY_mean vs run
χ2 / ndf 65.77 / 73
p0 −9.145 ± 8.256
pull
Entries 74
Mean 129.7
Std Dev 84.56
pull1D
Entries 74
Mean −0.03118
Std Dev 0.9423

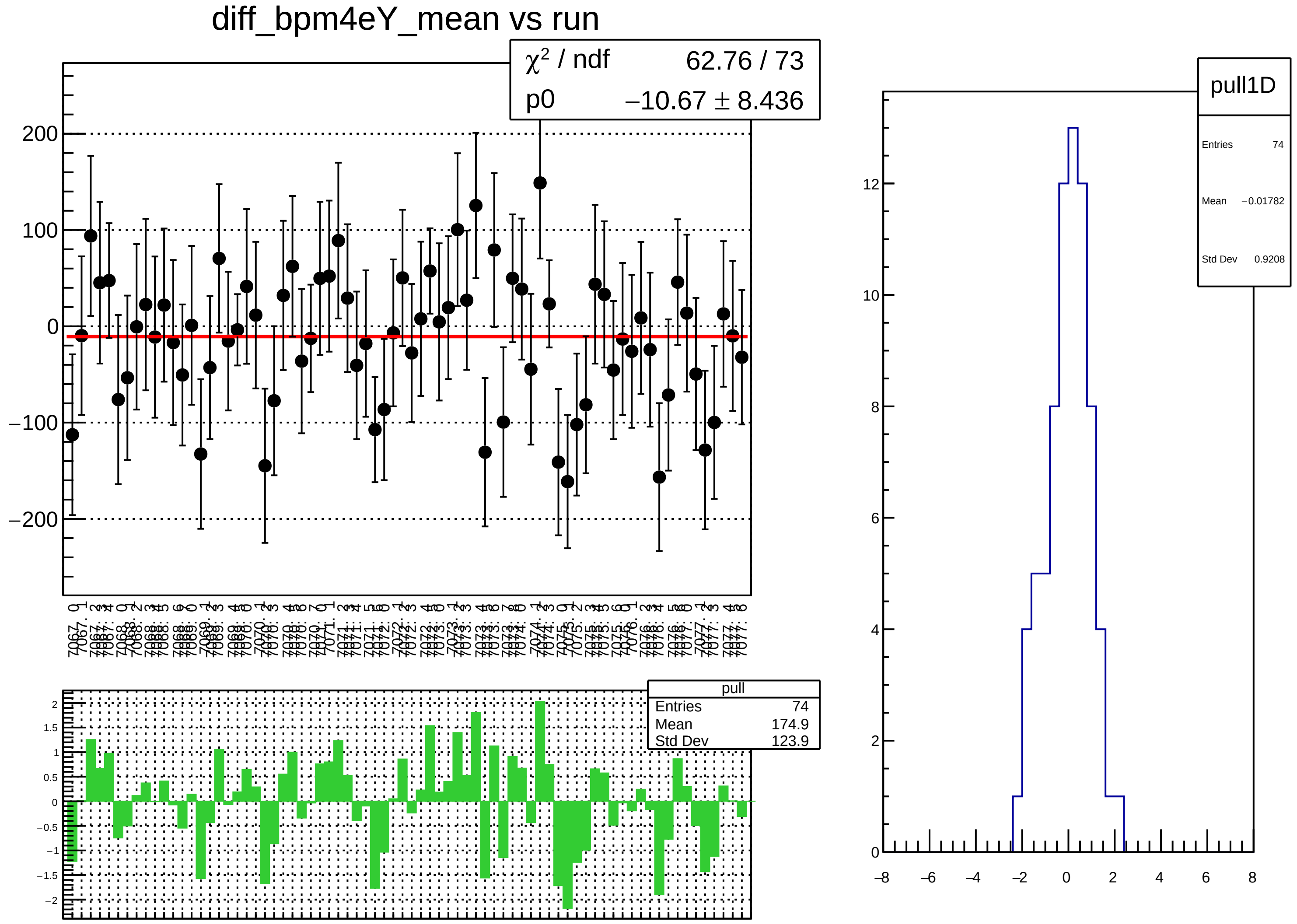


diff_bpm4aY_rms vs run
χ^2 / ndf 3230 / 73
p0 7225 ± 5.838
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400

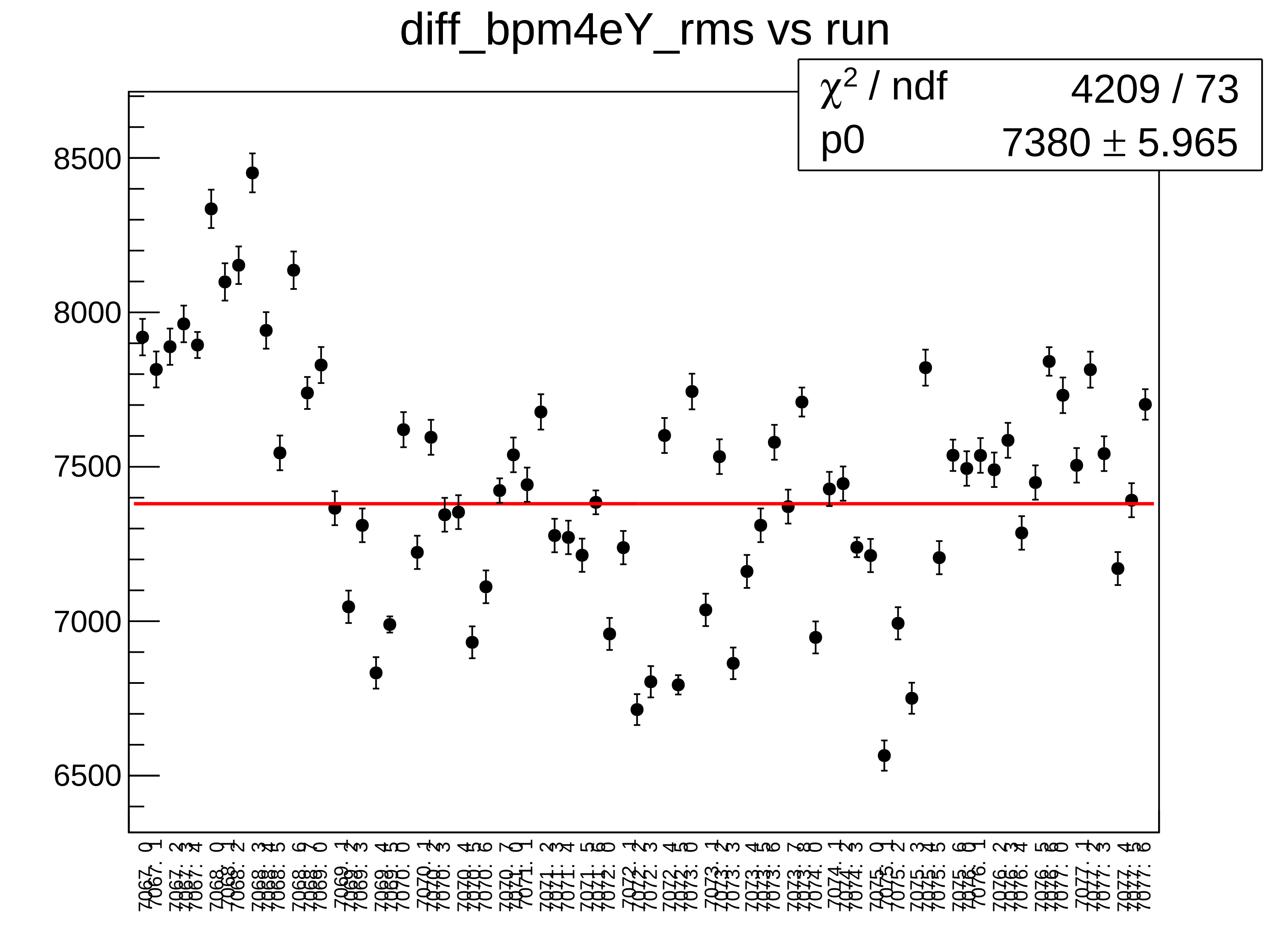


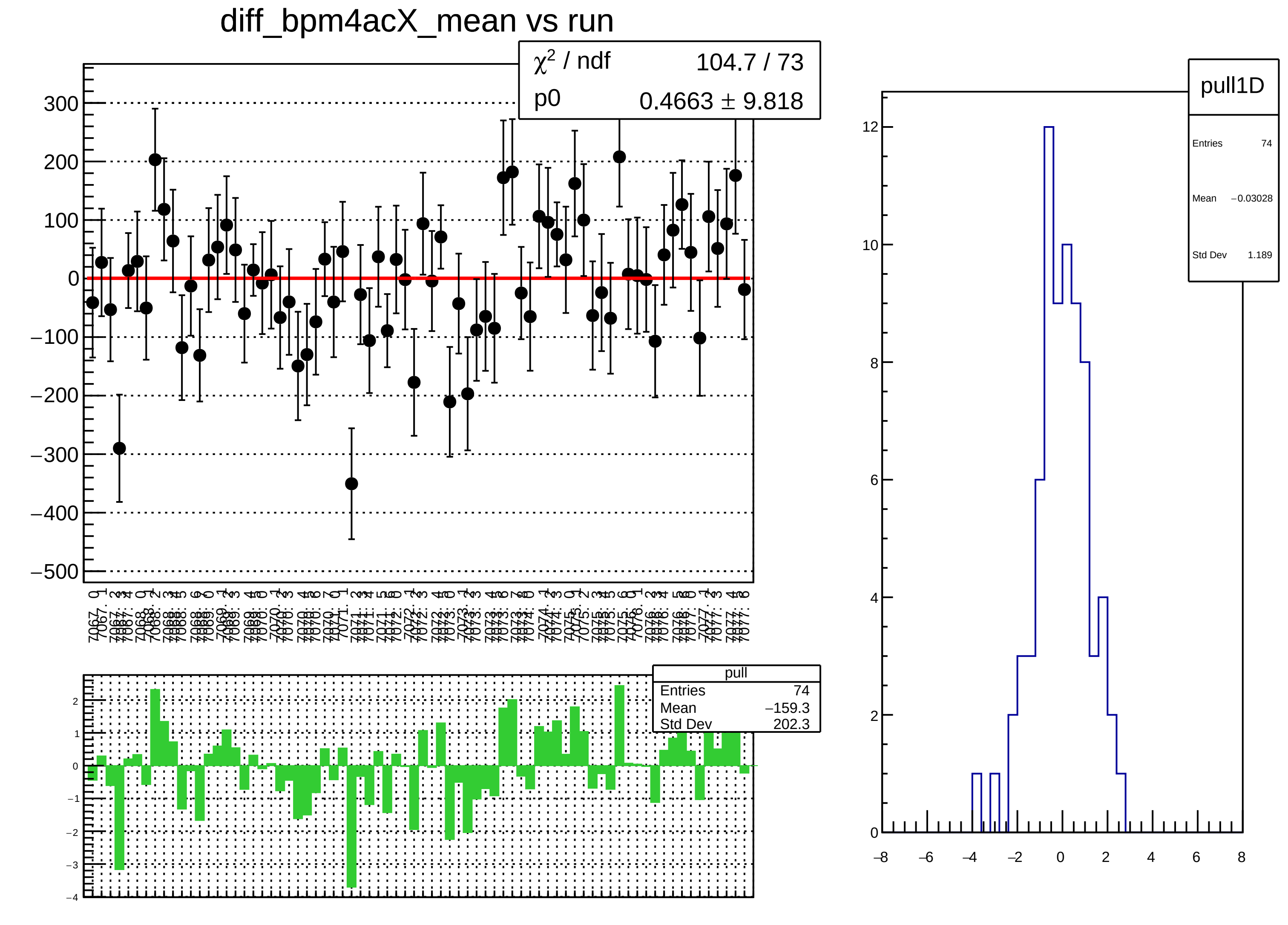
diff_bpm4eX_mean vs run
χ^2 / ndf 104 / 73
p0 −2.253 ± 9.488
pull
Entries 74
Mean −149.3
Std Dev 192.2
pull1D
Entries 74
Mean −0.03022
Std Dev 1.185


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

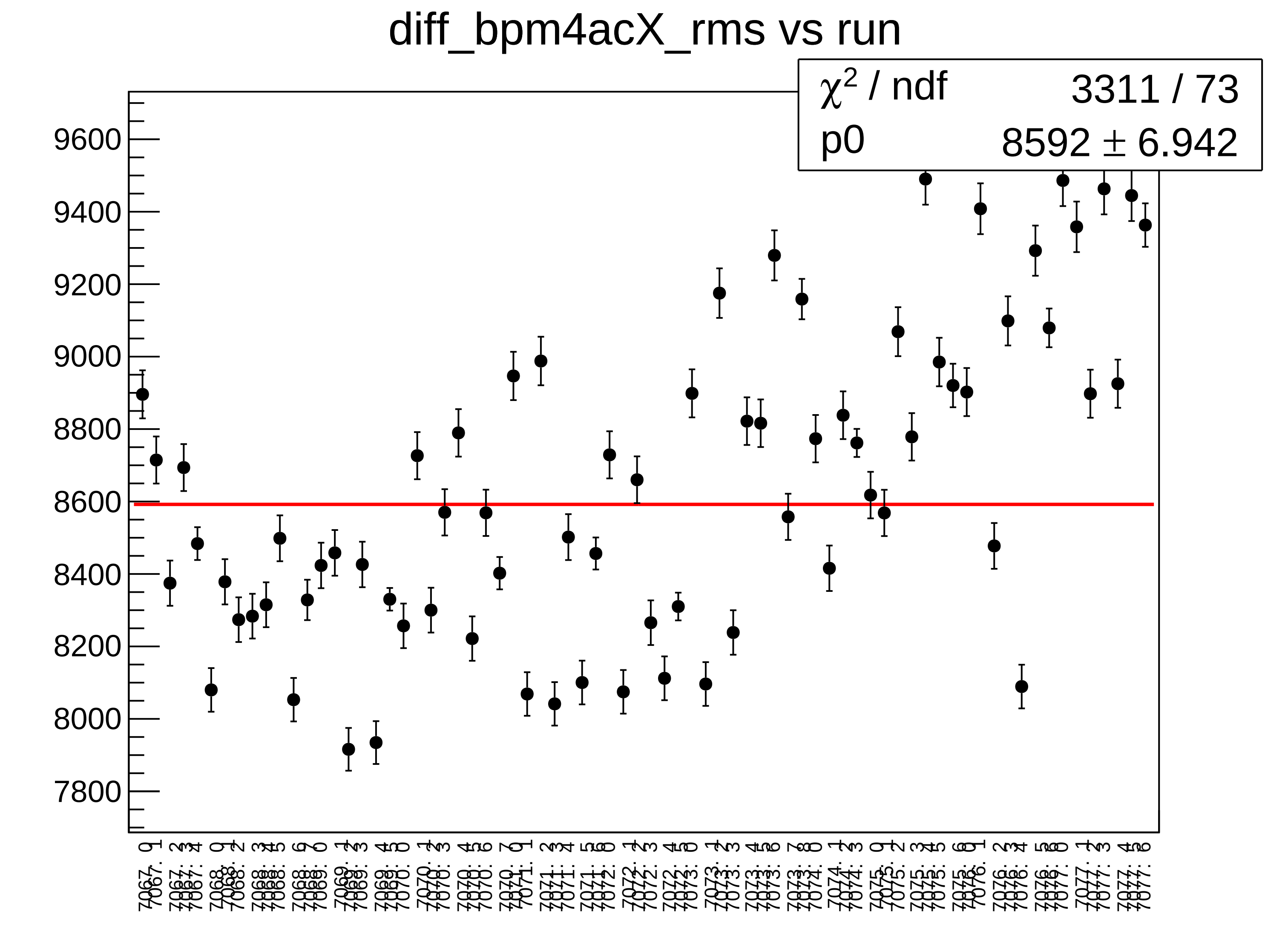


diff_bpm4eY_mean vs run
χ^2 / ndf 62.76 / 73
p0 −10.67 ± 8.436
pull
Entries 74
Mean 174.9
Std Dev 123.9
pull1D
Entries 74
Mean −0.01782
Std Dev 0.9208

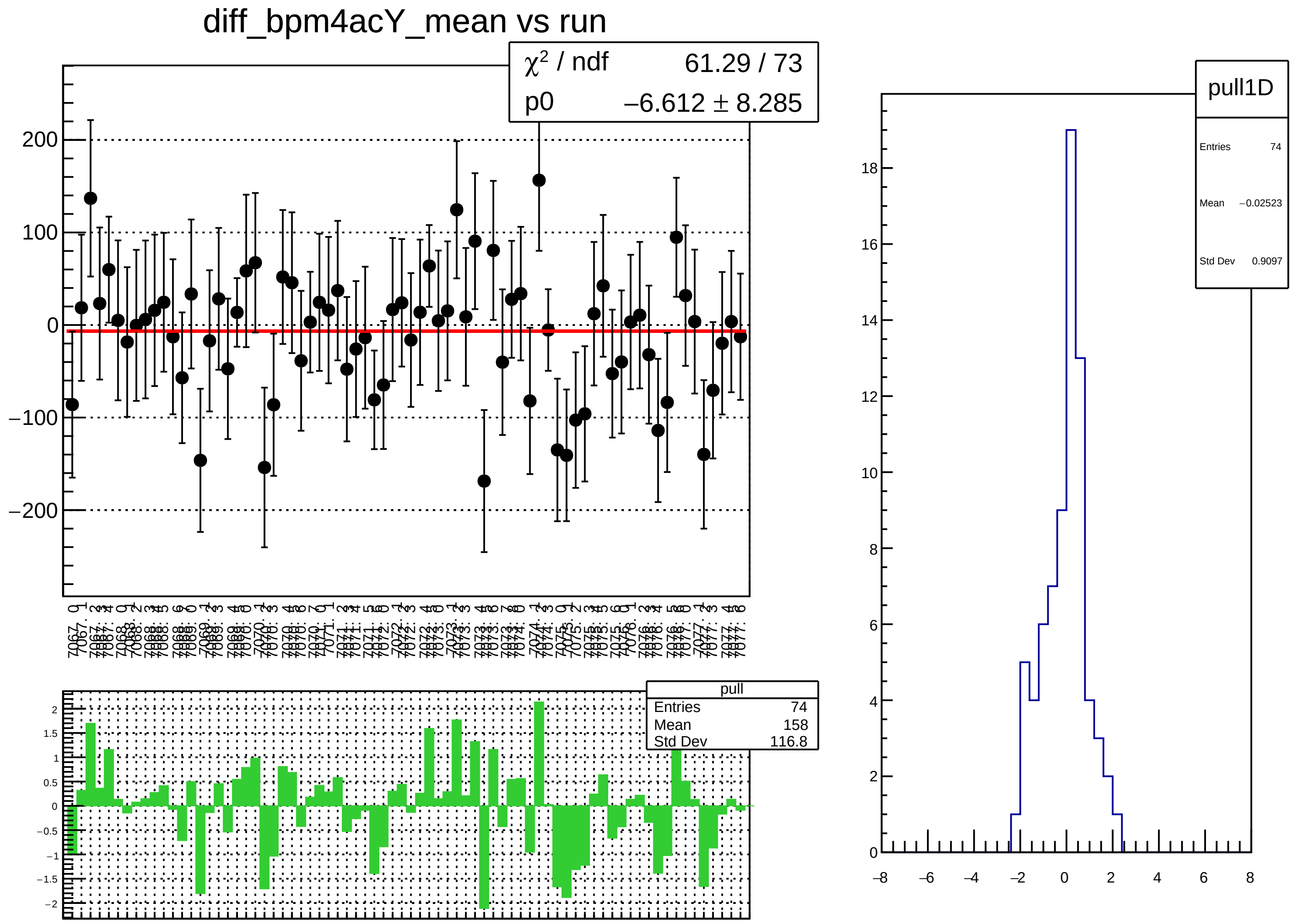

diff_bpm4eY_rms vs run
χ^2 / ndf 4209 / 73
p0 7380 ± 5.965
8500
8000
7500
7000
6500

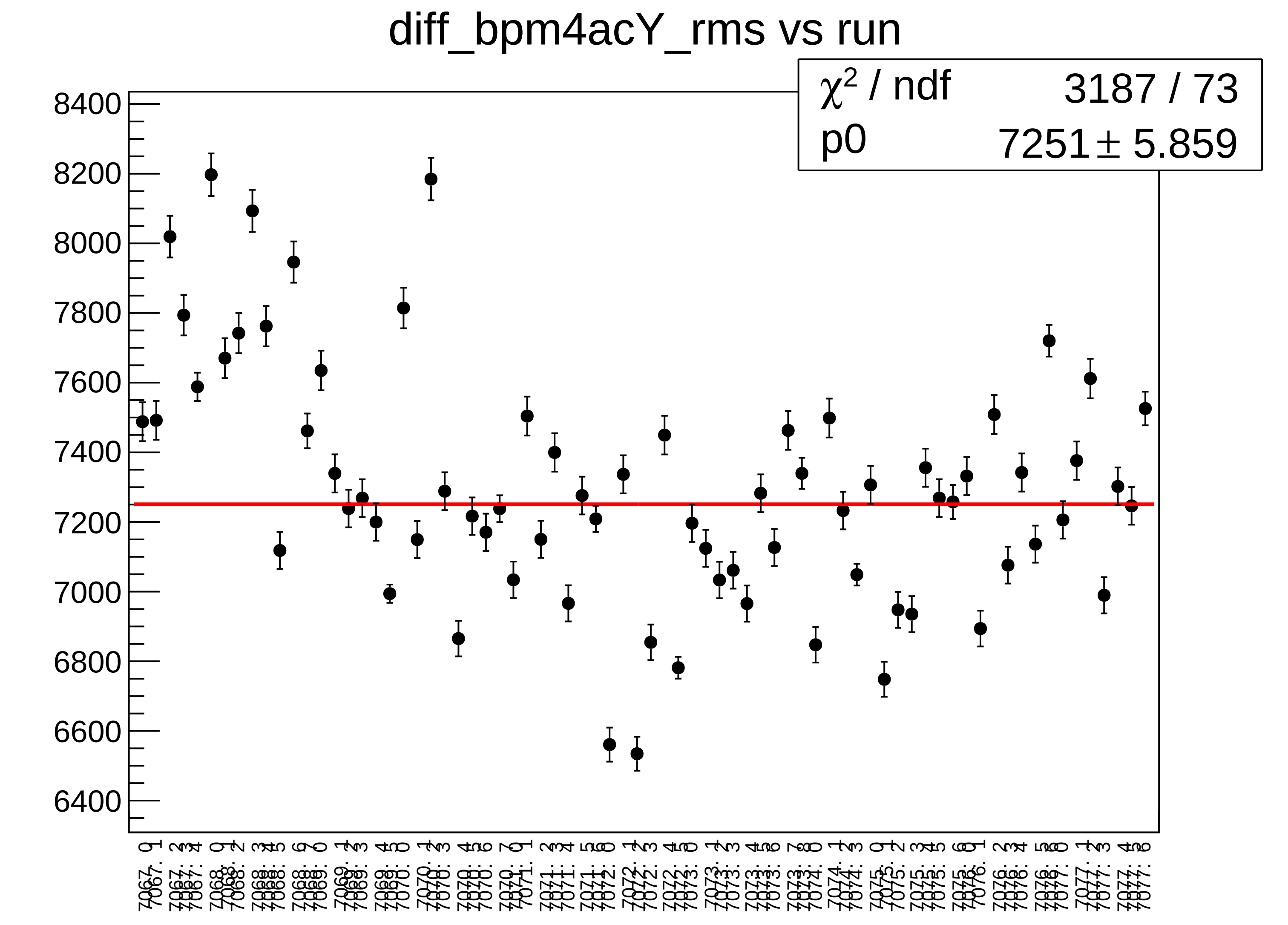


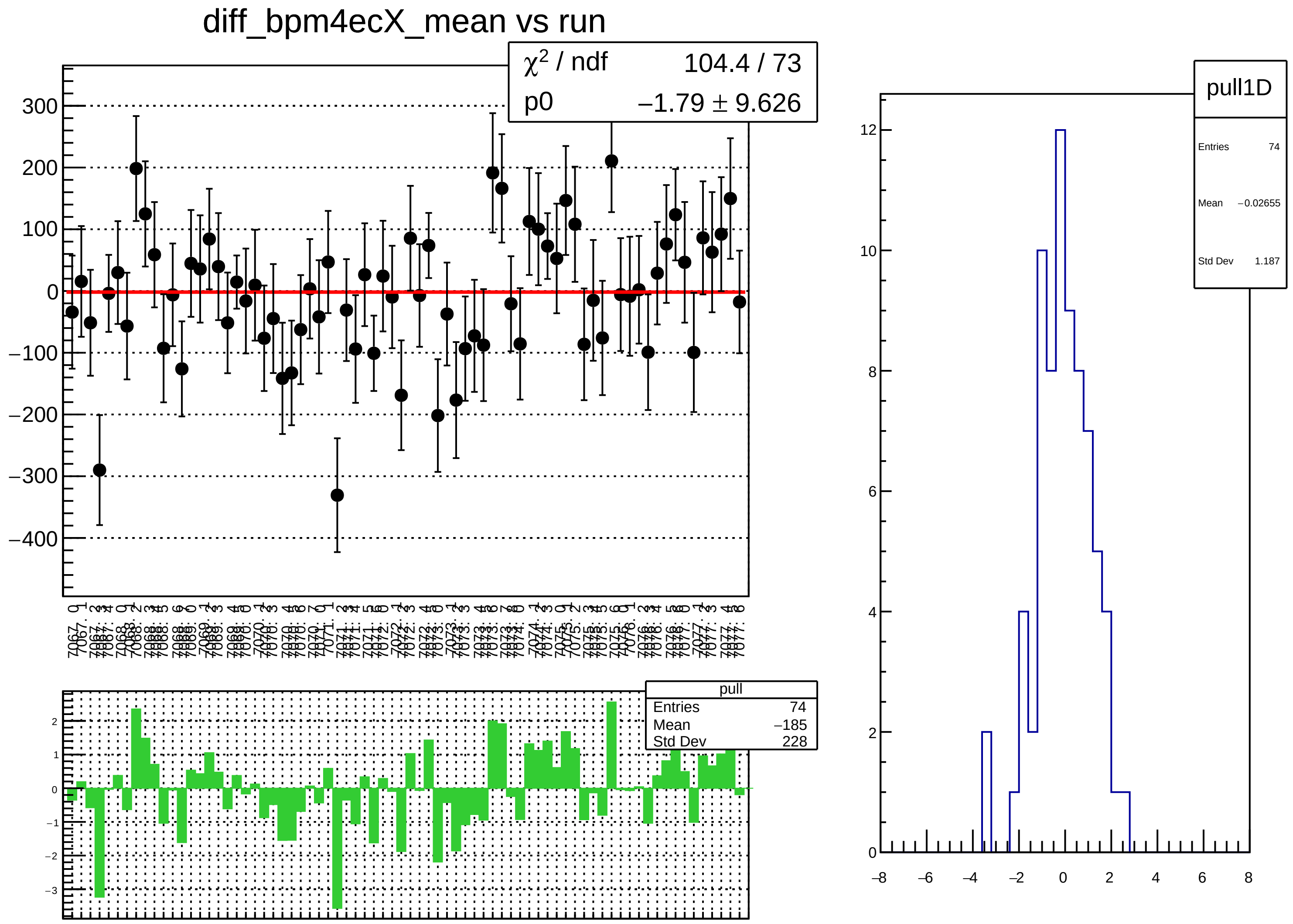
diff_bpm4acX_mean vs run
χ2 / ndf 104.7 / 73
p0 0.4663 ± 9.818
pull
Entries 74
Mean −159.3
Std Dev 202.3
pull1D
Entries 74
Mean −0.03028
Std Dev 1.189

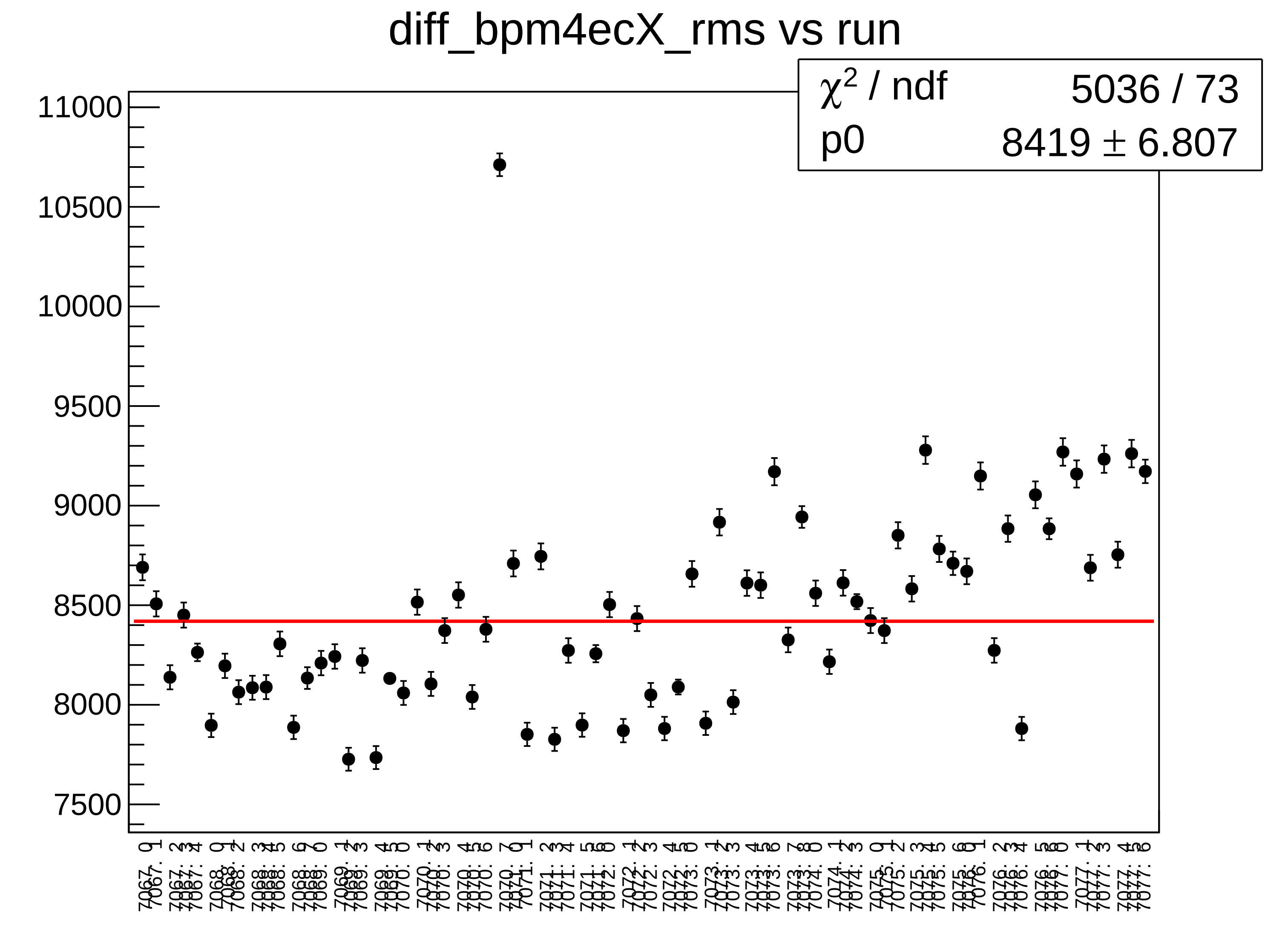


diff_bpm4acX_rms vs run
χ^2 / ndf 3311 / 73
p0 8592 ± 6.942
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800

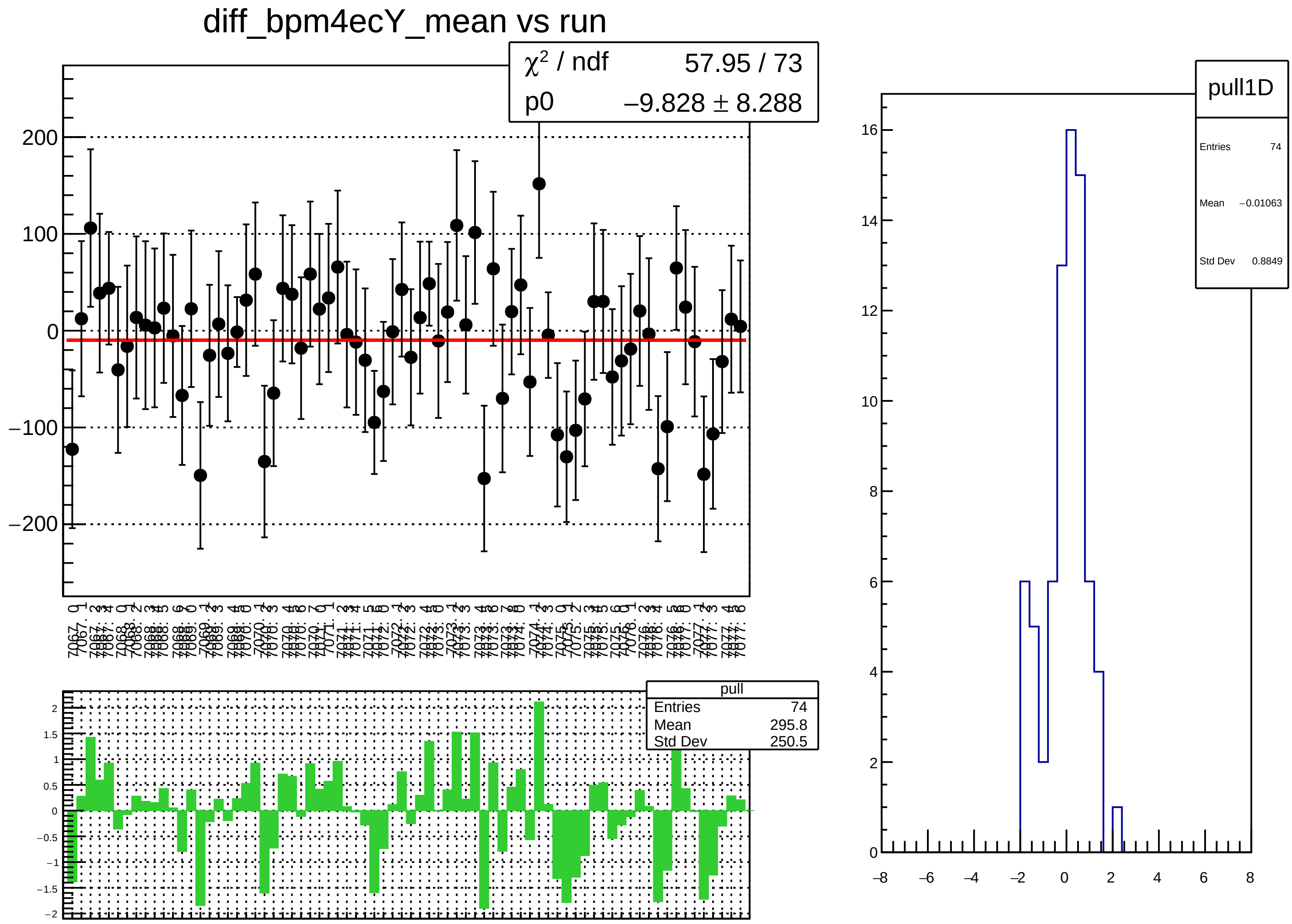

diff_bpm4acY_mean vs run
χ^2 / ndf 61.29 / 73
p0 −6.612 ± 8.285
200
100
0
−100
−200
pull
Entries 74
Mean 158
Std Dev 116.8
pull1D
Entries 74
Mean −0.02523
Std Dev 0.9097
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4acY_rms vs run
χ2 / ndf 3187 / 73
p0 7251 ± 5.859
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400

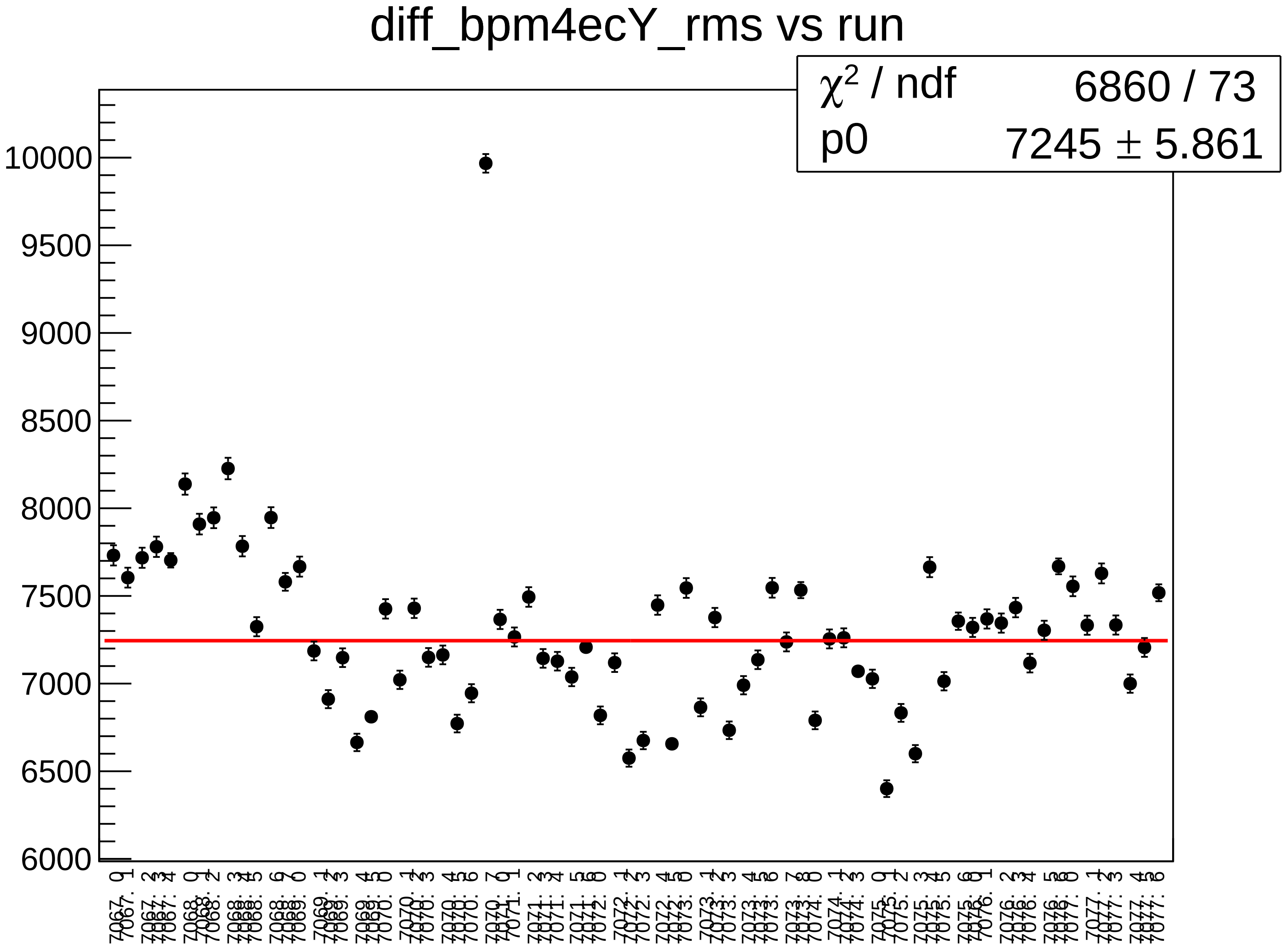

diff_bpm4ecX_mean vs run
χ^2 / ndf 104.4 / 73
p0 −1.79 ± 9.626
pull
Entries 74
Mean −185
Std Dev 228
pull1D
Entries 74
Mean −0.02655
Std Dev 1.187



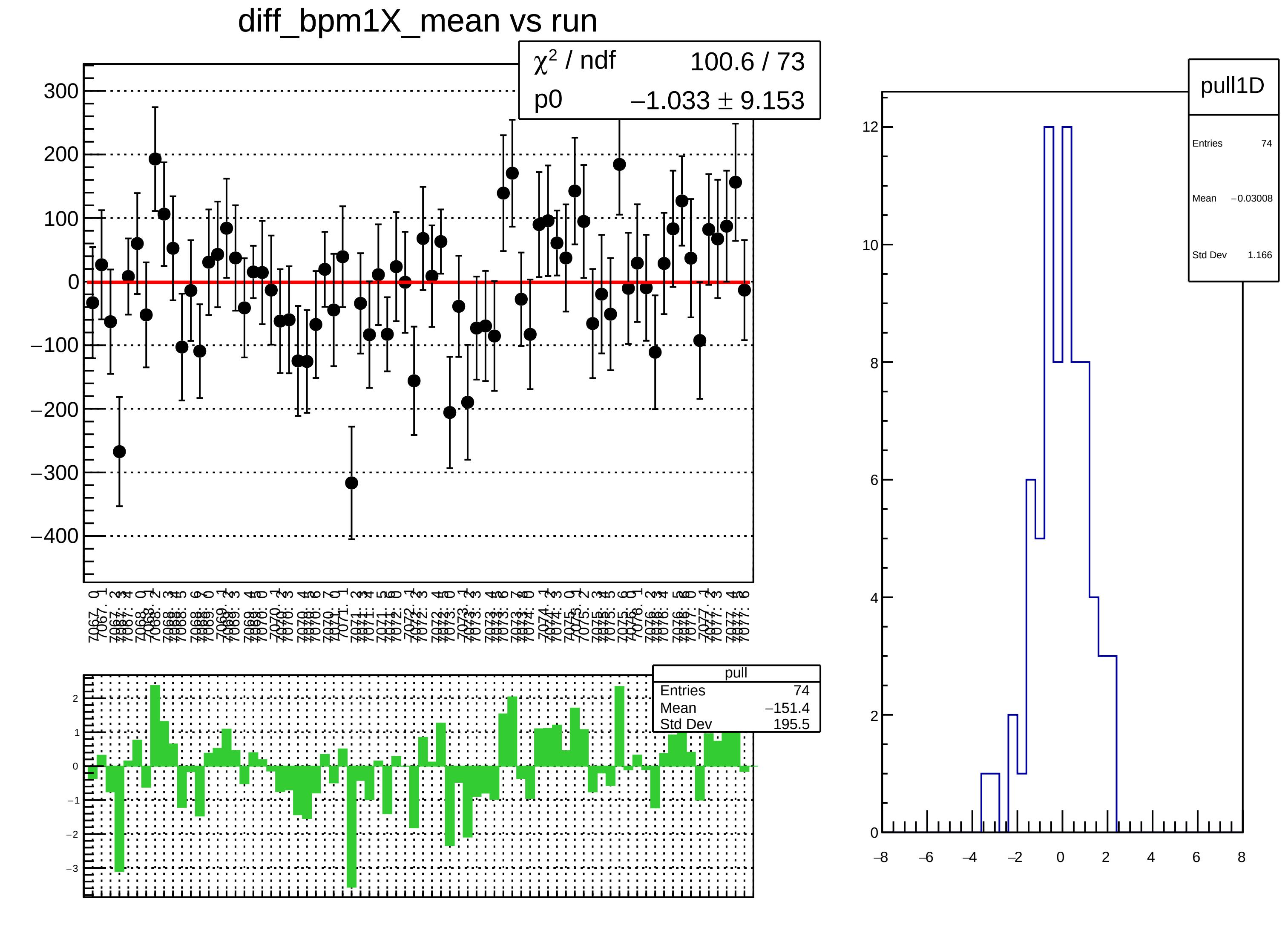
diff_bpm4ecX_rms vs run
χ2 / ndf 5036 / 73
p0 8419 ± 6.807
11000
10500
10000
9500
9000
8500
8000
7500

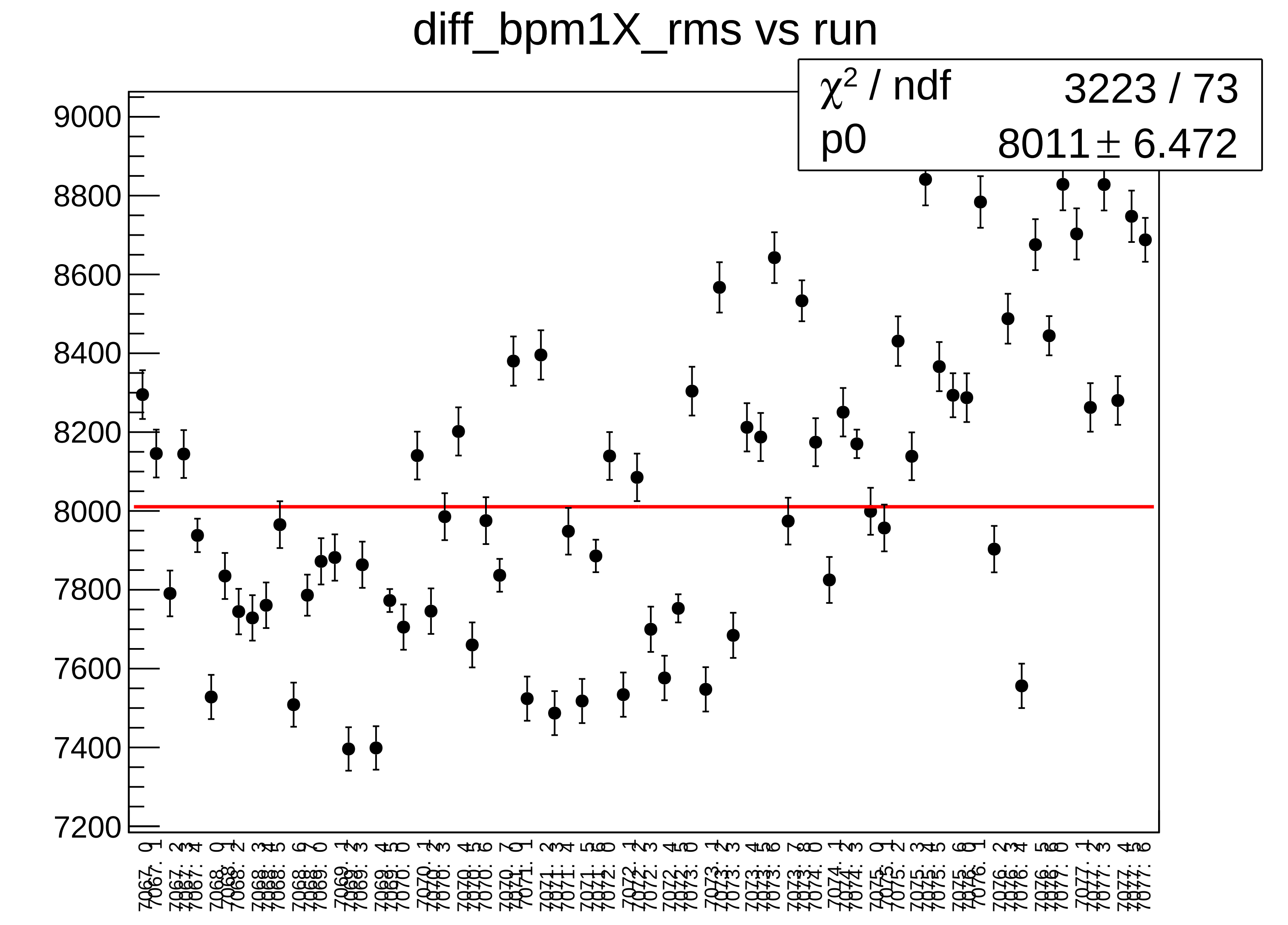


diff_bpm4ecY_mean vs run
χ2 / ndf 57.95 / 73
p0 −9.828 ± 8.288
pull
Entries 74
Mean 295.8
Std Dev 250.5
pull1D
Entries 74
Mean −0.01063
Std Dev 0.8849

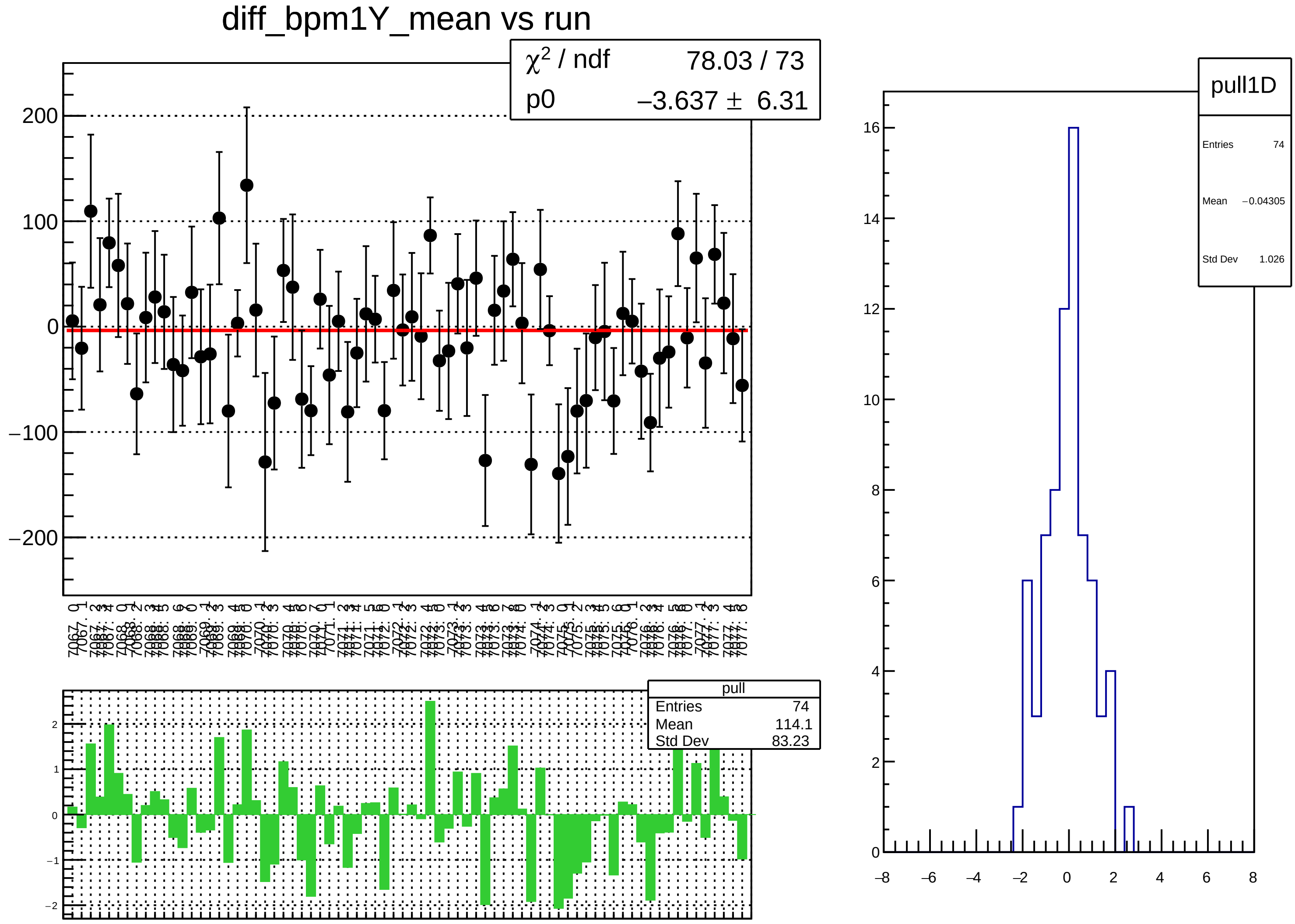


diff_bpm4ecY_rms vs run
χ2 / ndf 6860 / 73
p0 7245 ± 5.861
10000
9500
9000
8500
8000
7500
7000
6500
6000

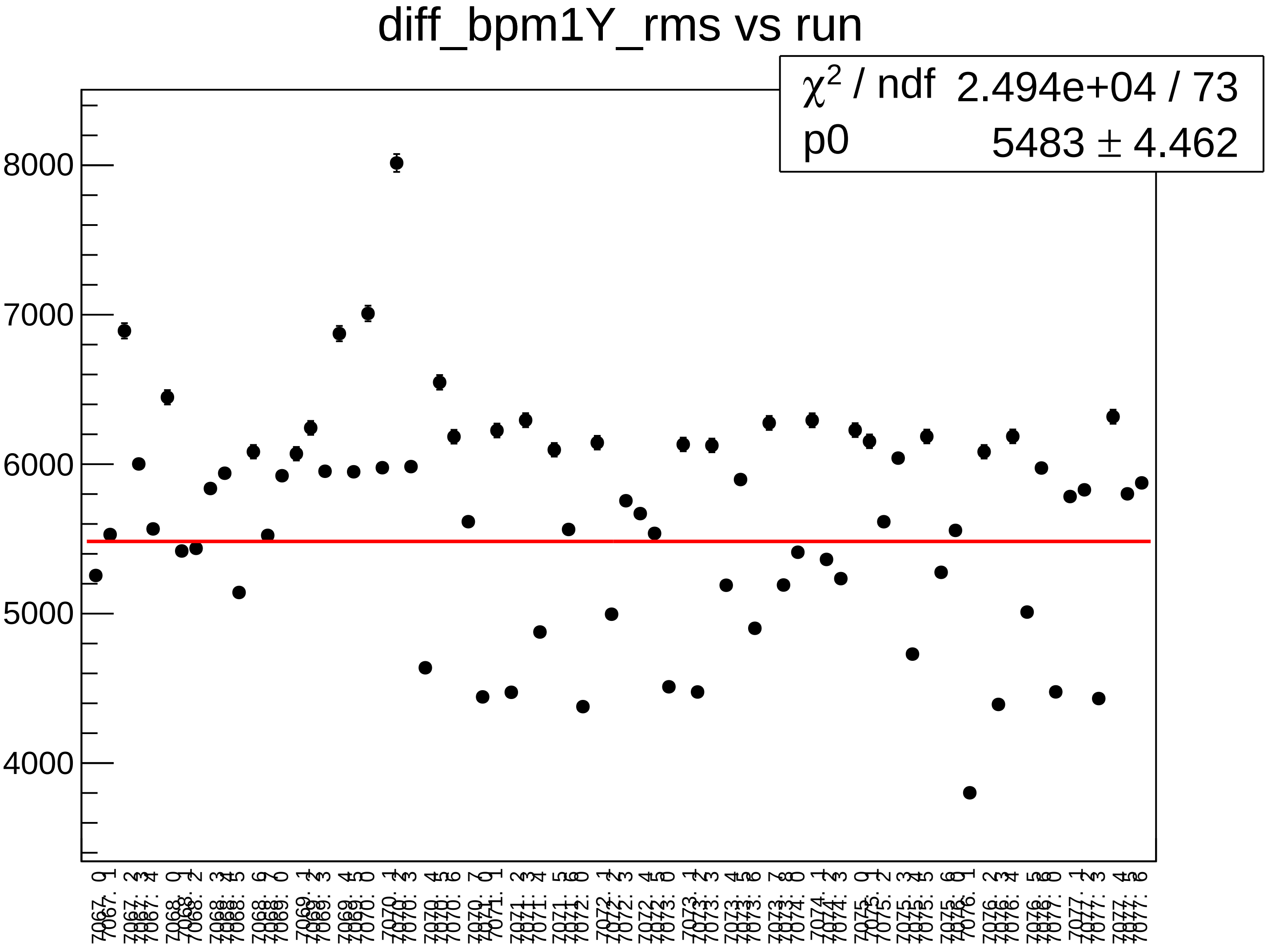

diff_bpm1X_mean vs run
χ^2 / ndf 100.6 / 73
p0 −1.033 ± 9.153
pull
Entries 74
Mean −151.4
Std Dev 195.5
pull1D
Entries 74
Mean −0.03008
Std Dev 1.166



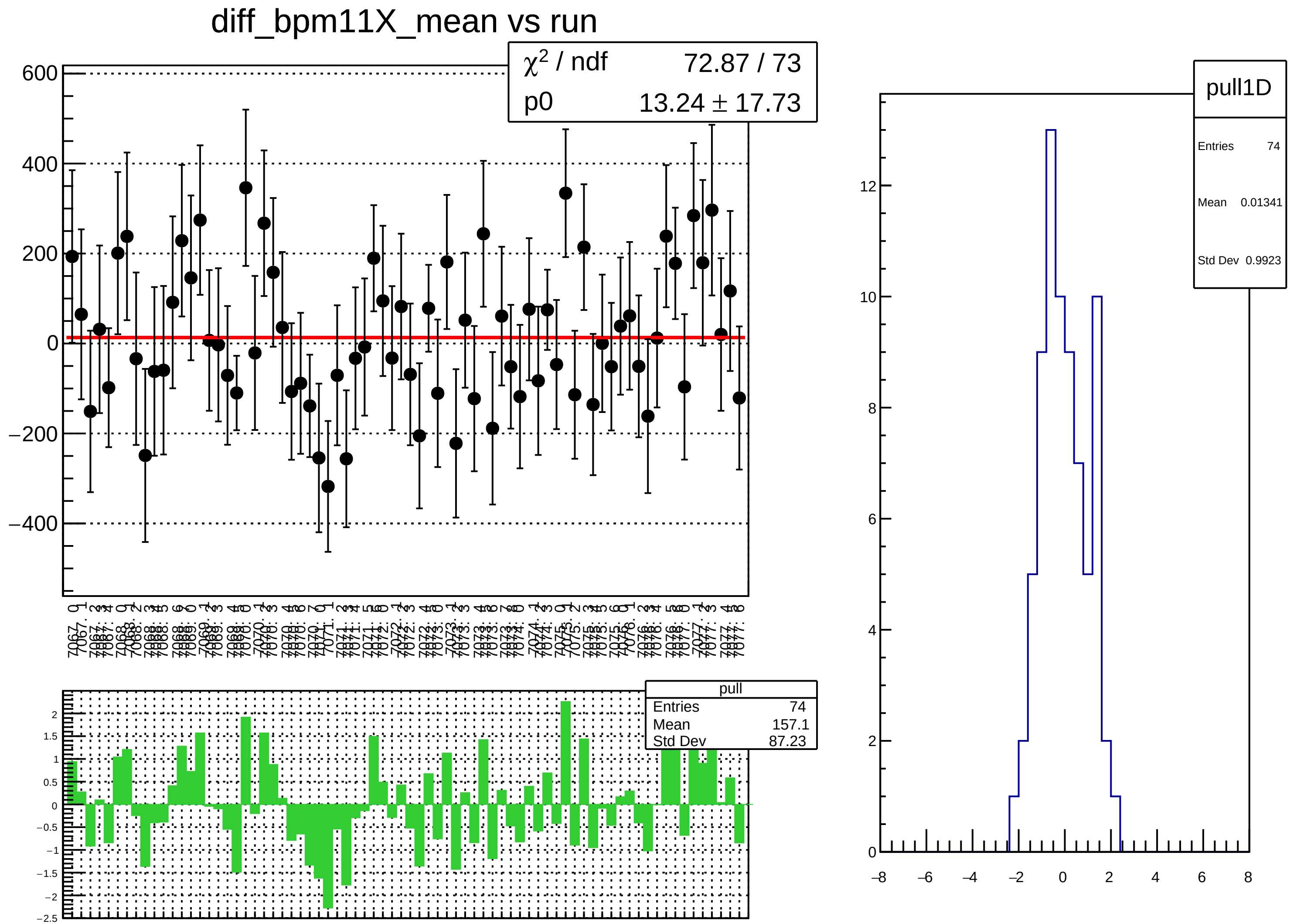
diff_bpm1X_rms vs run
χ^2 / ndf 3223 / 73
p0 8011 ± 6.472
9000
8800
8600
8400
8200
8000
7800
7600
7400
7200



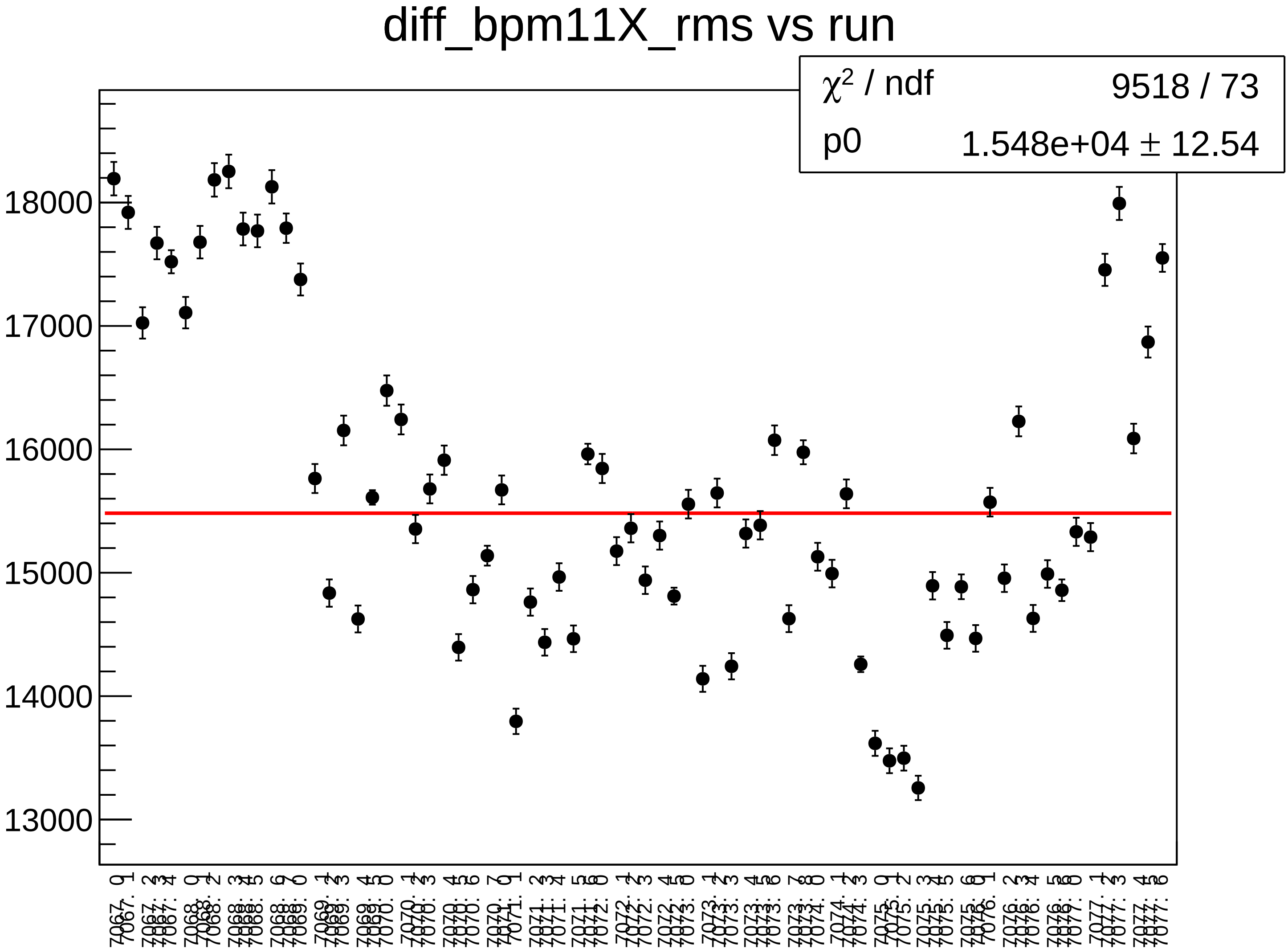
diff_bpm1Y_mean vs run
χ2 / ndf 78.03 / 73
p0 −3.637 ± 6.31
200
100
0
−100
−200
pull
Entries 74
Mean 114.1
Std Dev 83.23
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.04305
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



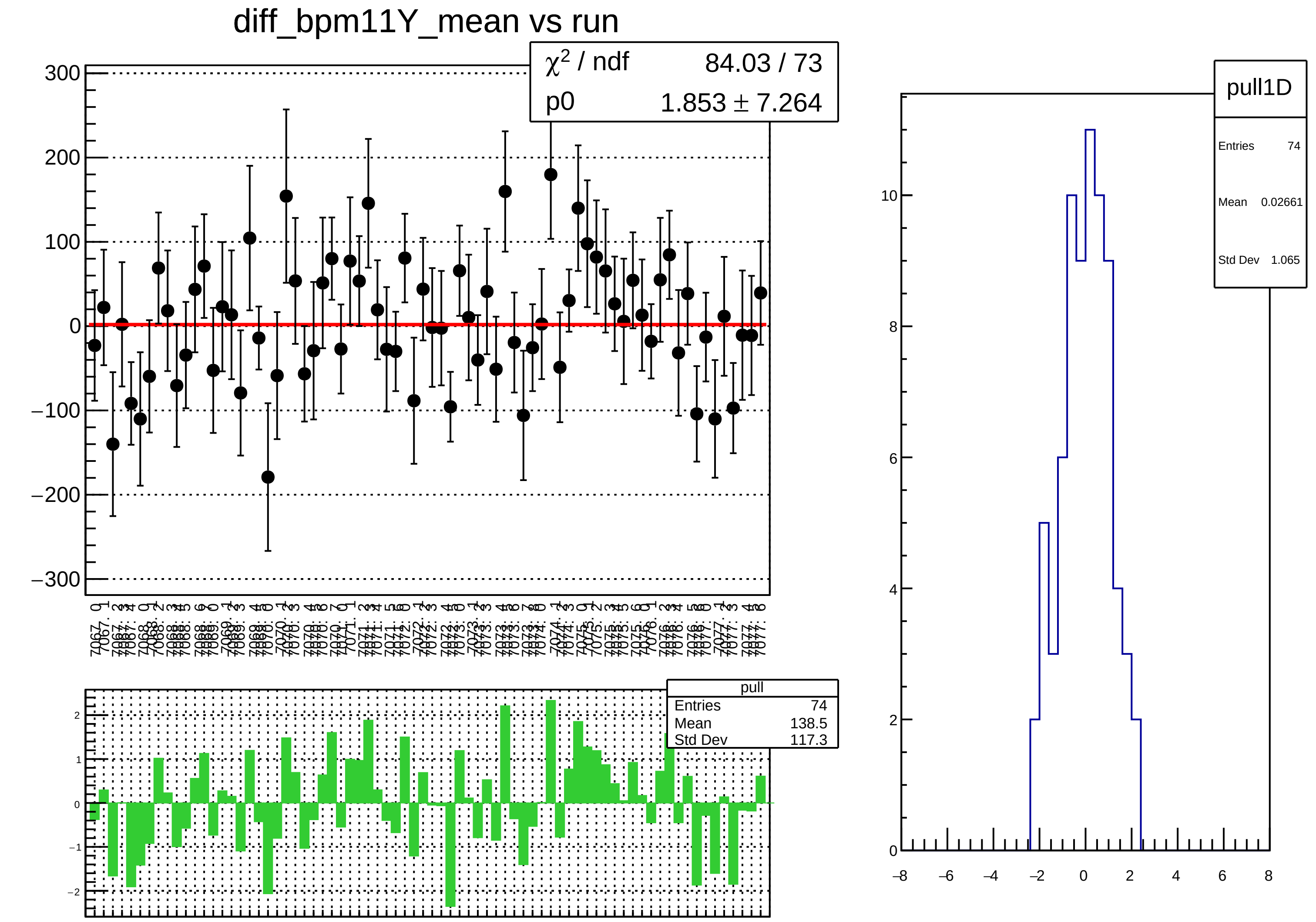
diff_bpm1Y_rms vs run
χ2 / ndf 2.494e+04 / 73
p0 5483 ± 4.462
8000
7000
6000
5000
4000

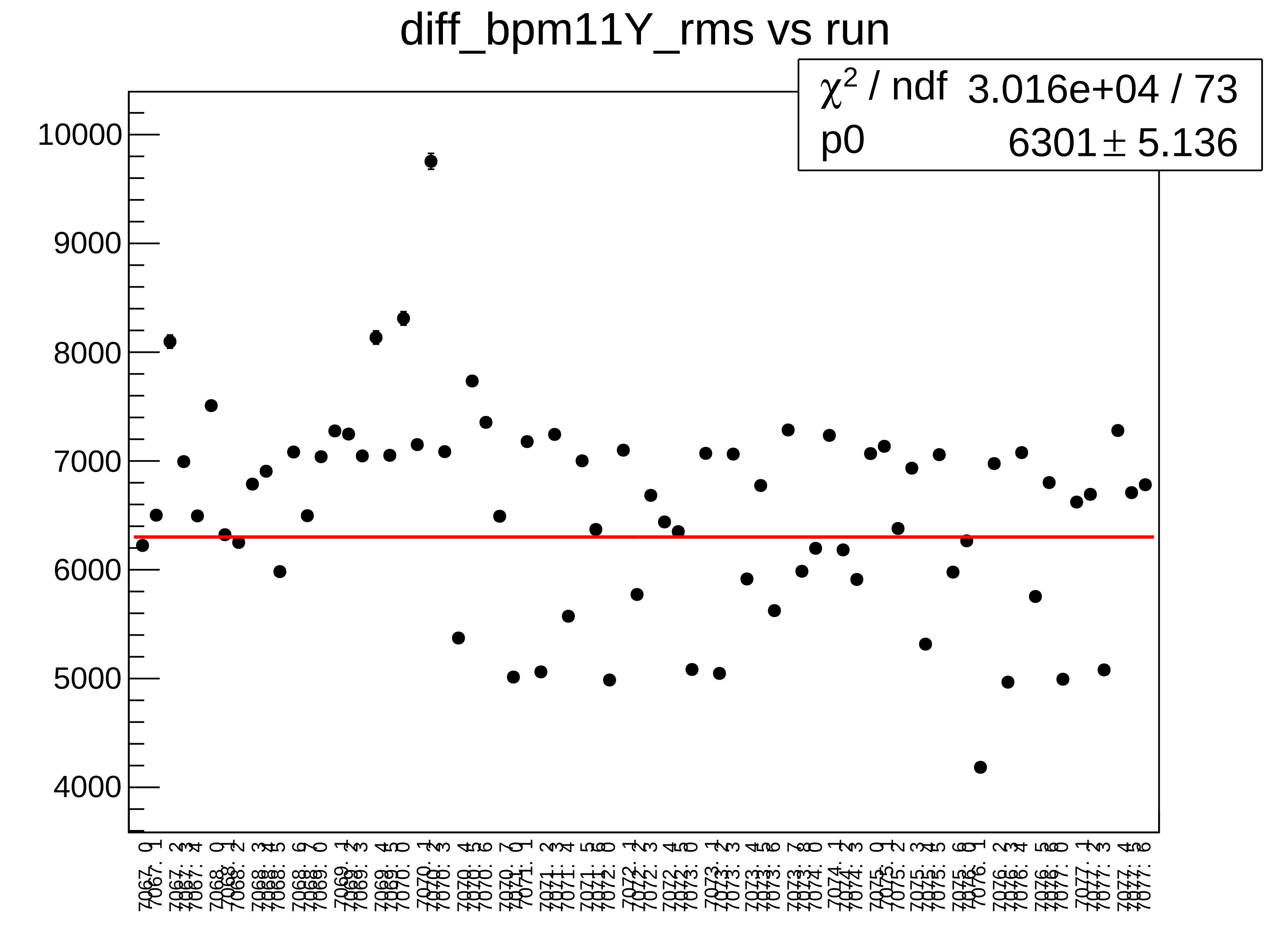


diff_bpm11X_mean vs run
χ^2 / ndf 72.87 / 73
p0 13.24 ± 17.73
pull
Entries 74
Mean 157.1
Std Dev 87.23
pull1D
Entries 74
Mean 0.01341
Std Dev 0.9923

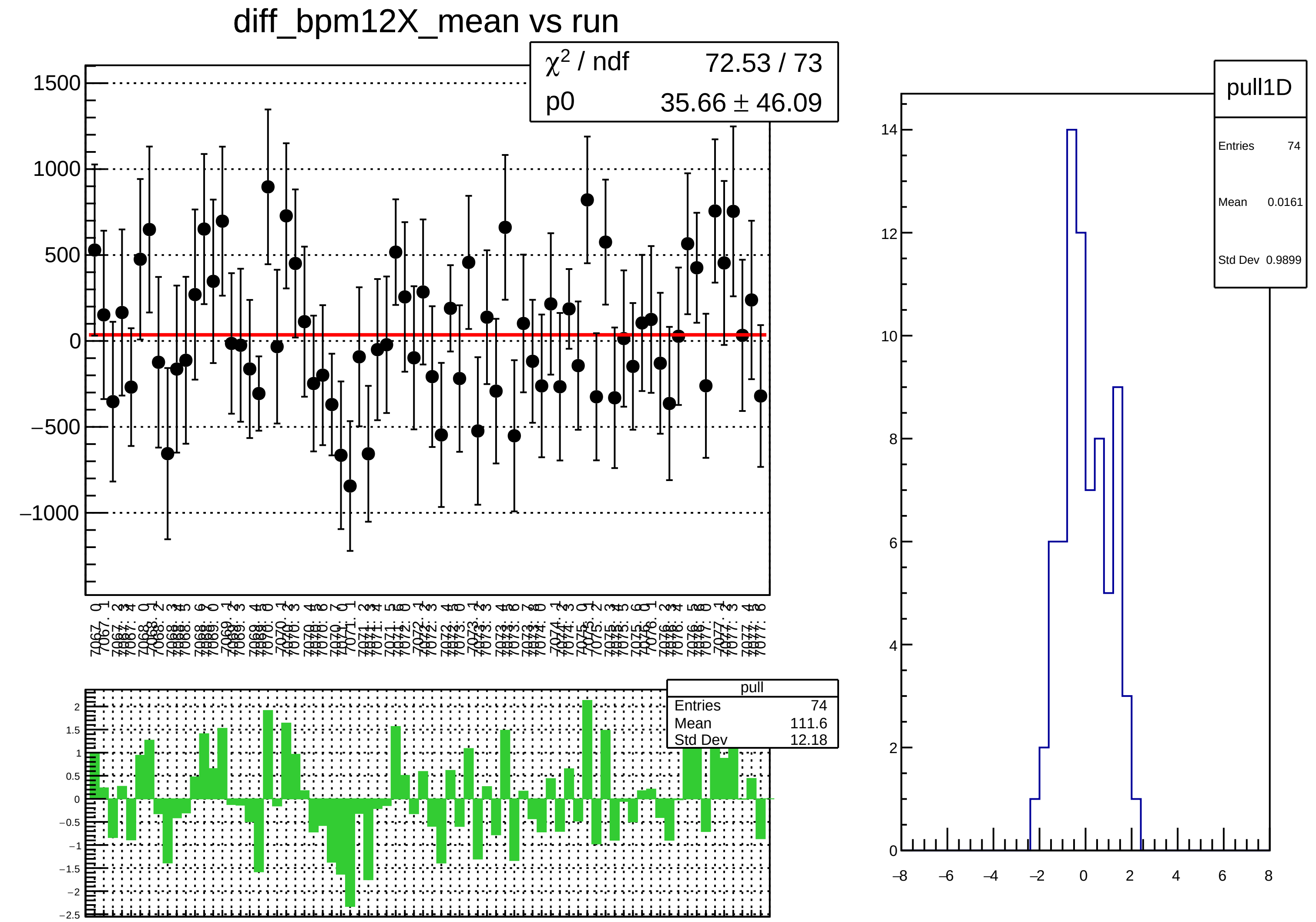


diff_bpm11X_rms vs run
χ2 / ndf 9518 / 73
p0 1.548e+04 ± 12.54
18000
17000
16000
15000
14000
13000

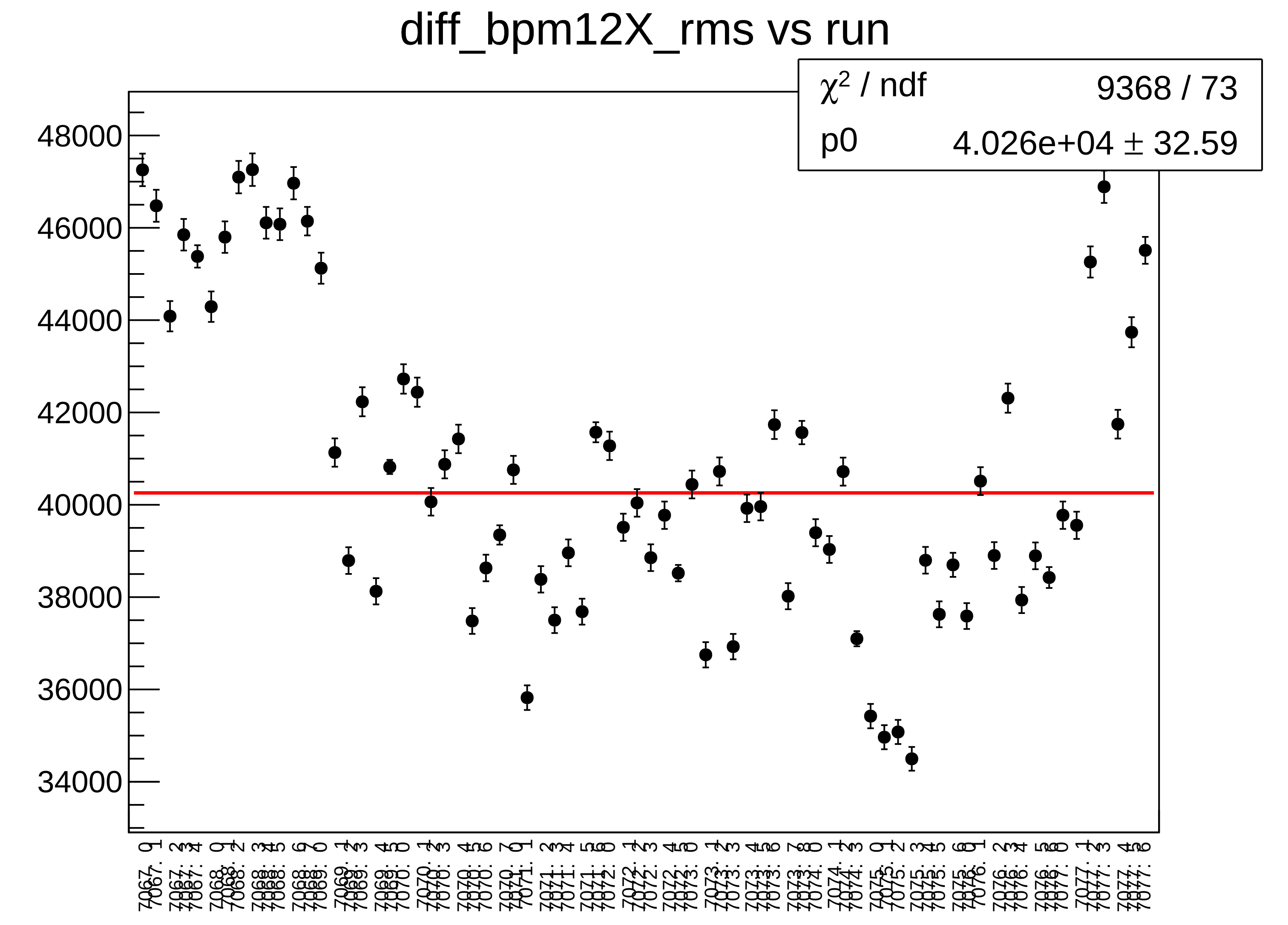

diff_bpm11Y_mean vs run
χ^2 / ndf 84.03 / 73
p0 1.853 ± 7.264
300
200
100
0
−100
−200
−300
pull
Entries 74
Mean 138.5
Std Dev 117.3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.02661
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

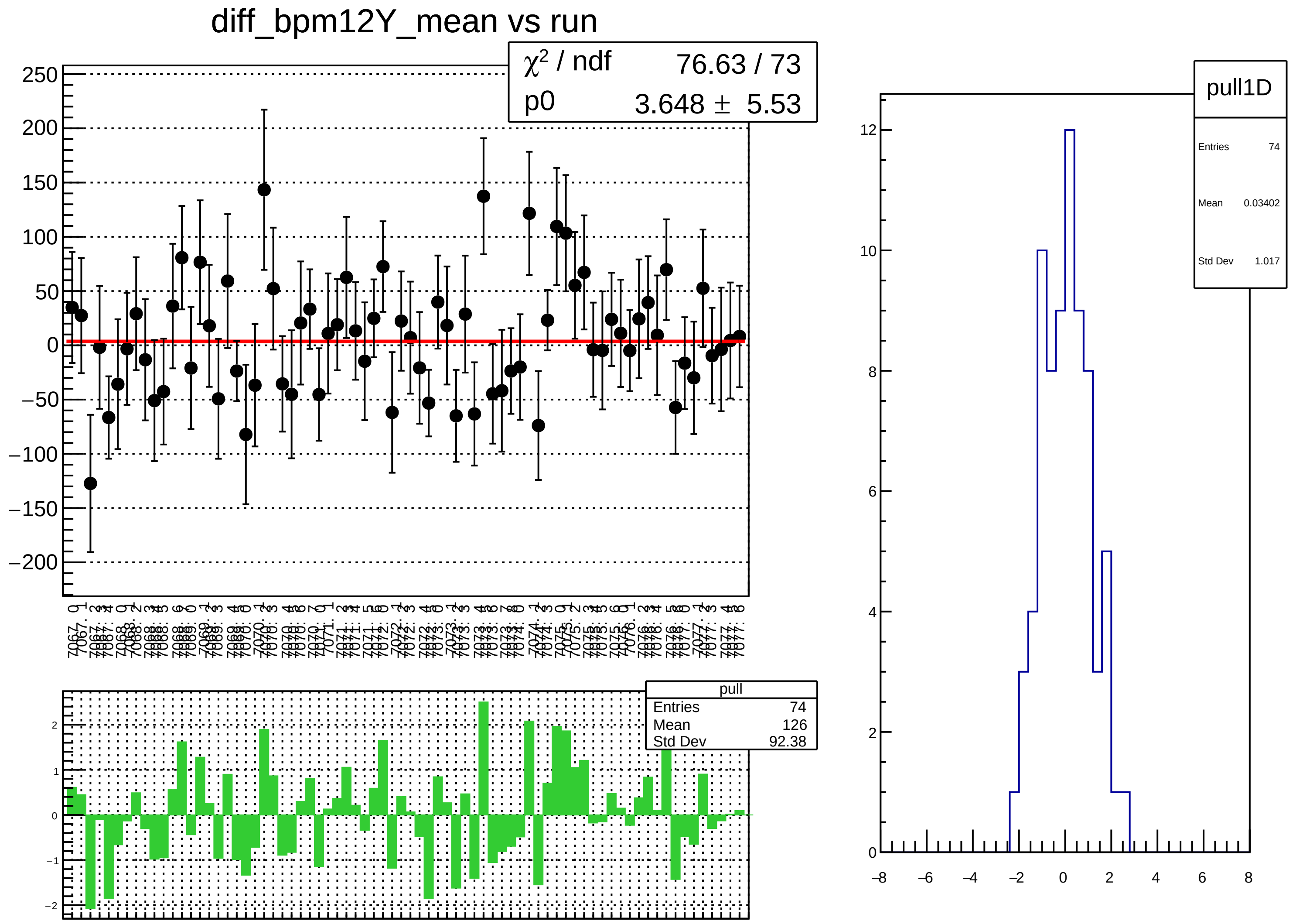


diff_bpm11Y_rms vs run
χ^2 / ndf 3.016e+04 / 73
p0 6301 ± 5.136
10000
9000
8000
7000
6000
5000
4000

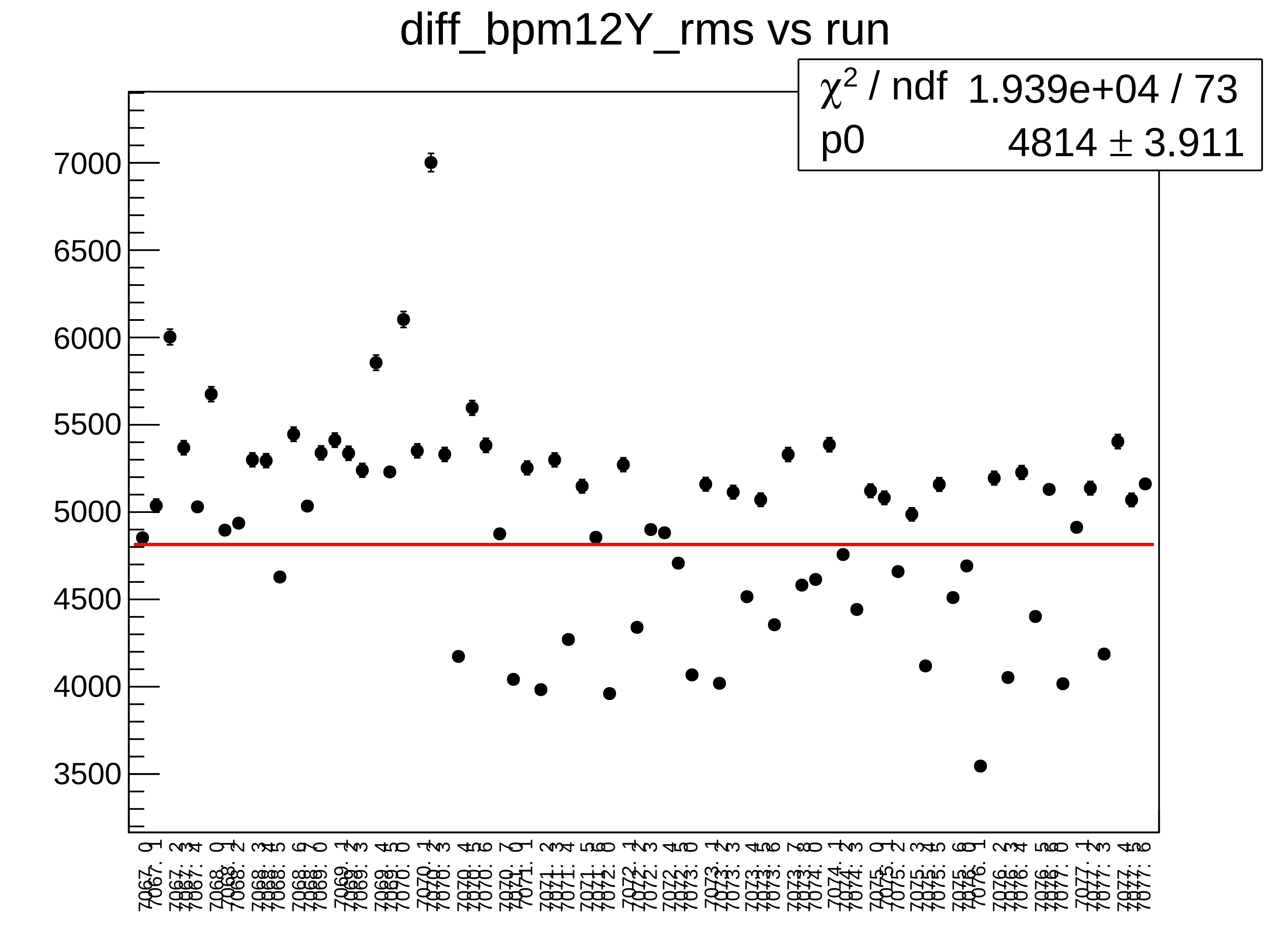


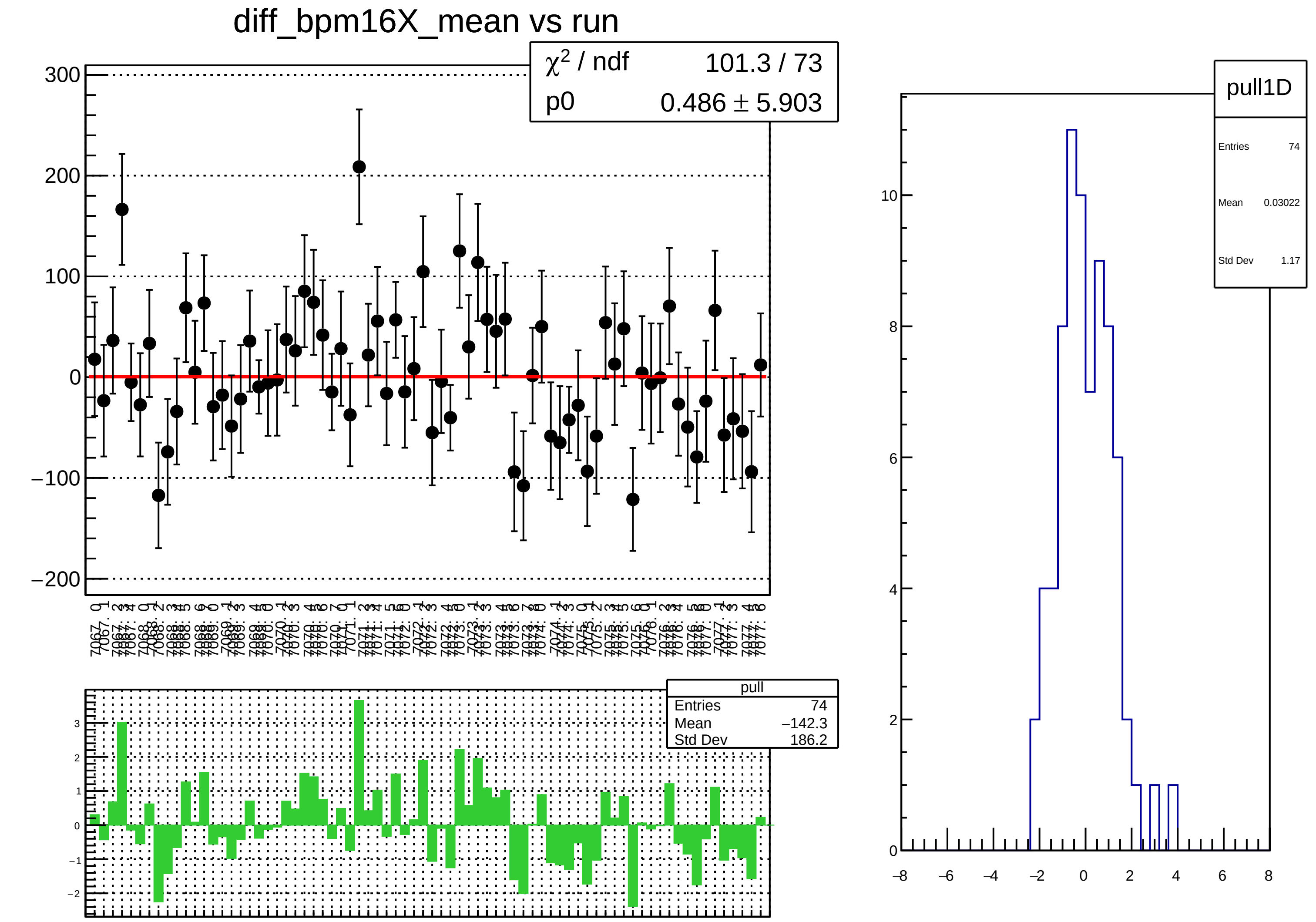
diff_bpm12X_mean vs run
χ2 / ndf 72.53 / 73
p0 35.66 ± 46.09
pull
Entries 74
Mean 111.6
Std Dev 12.18
pull1D
Entries 74
Mean 0.0161
Std Dev 0.9899

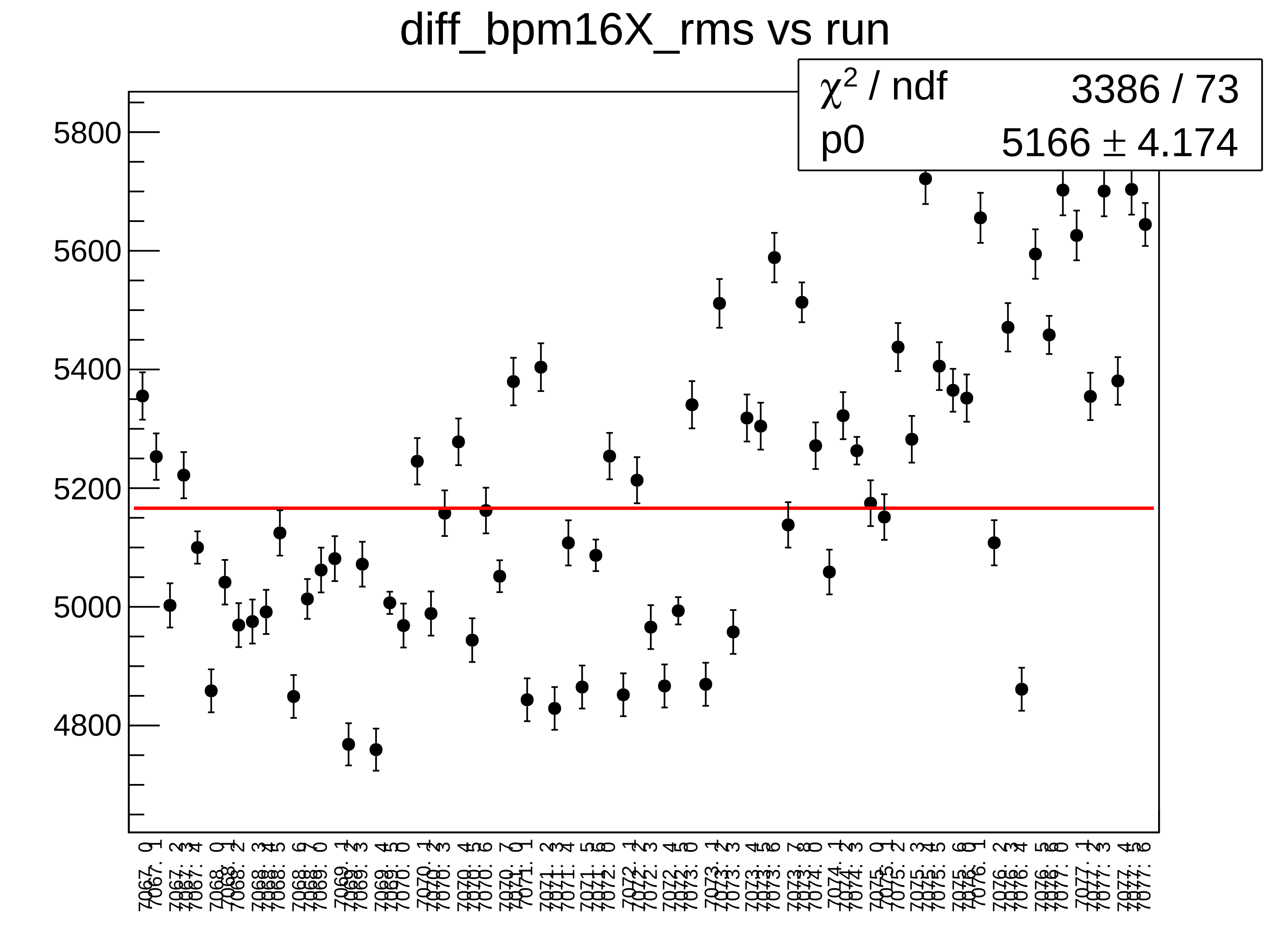

diff_bpm12X_rms vs run
χ^2 / ndf 9368 / 73
p0 4.026e+04 ± 32.59
48000
46000
44000
42000
40000
38000
36000
34000

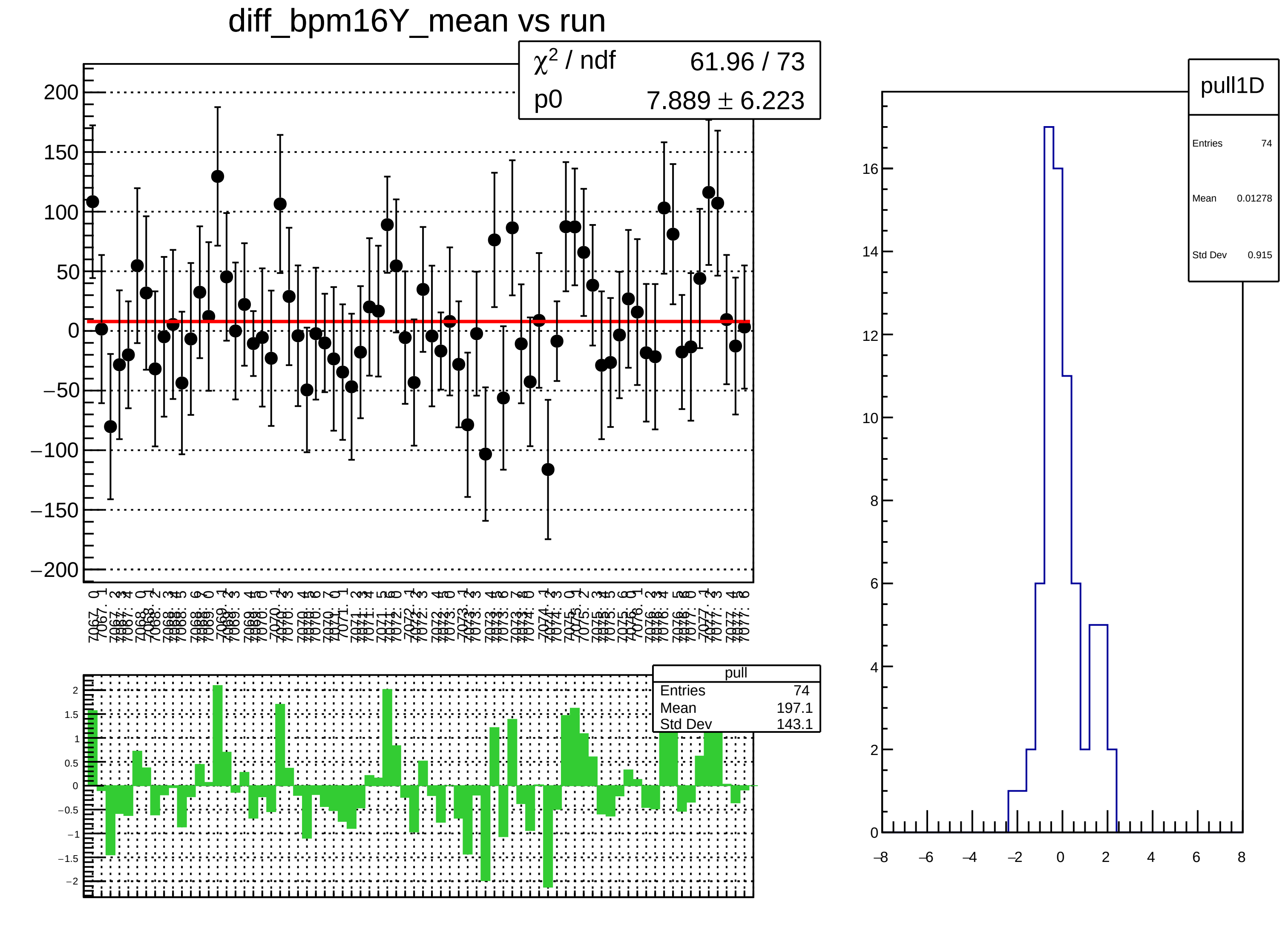


diff_bpm12Y_mean vs run
χ^2 / ndf 76.63 / 73
p0 3.648 ± 5.53
pull
Entries 74
Mean 126
Std Dev 92.38
pull1D
Entries 74
Mean 0.03402
Std Dev 1.017

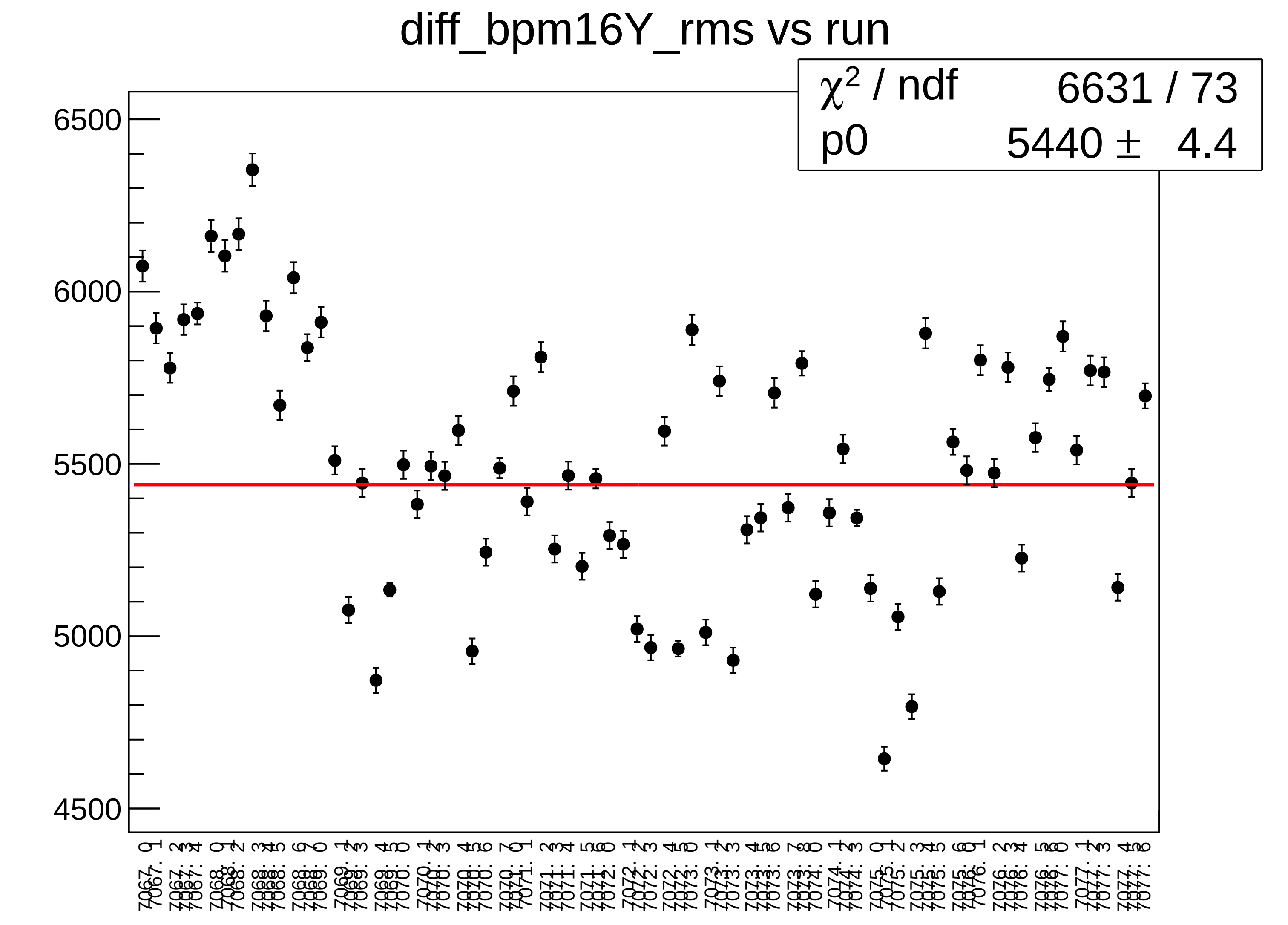

diff_bpm12Y_rms vs run
χ^2 / ndf 1.939e+04 / 73
p0 4814 ± 3.911
7000
6500
6000
5500
5000
4500
4000
3500


diff_bpm16X_mean vs run
χ^2 / ndf 101.3 / 73
p0 0.486 ± 5.903
300
200
100
0
−100
−200
pull
Entries 74
Mean −142.3
Std Dev 186.2
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.03022
Std Dev 1.17
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

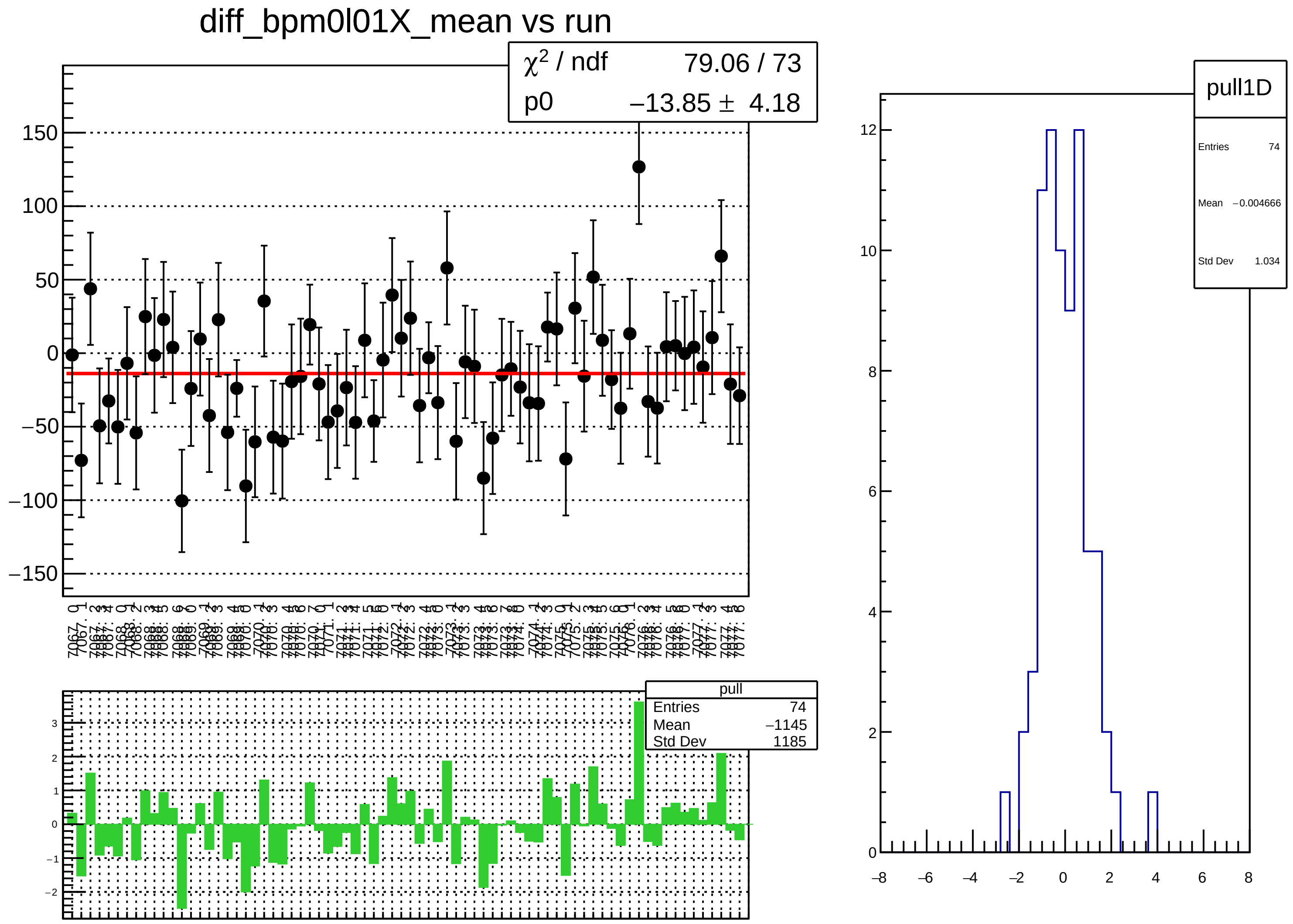

diff_bpm16X_rms vs run
χ^2 / ndf 3386 / 73
p0 5166 ± 4.174
5800
5600
5400
5200
5000
4800



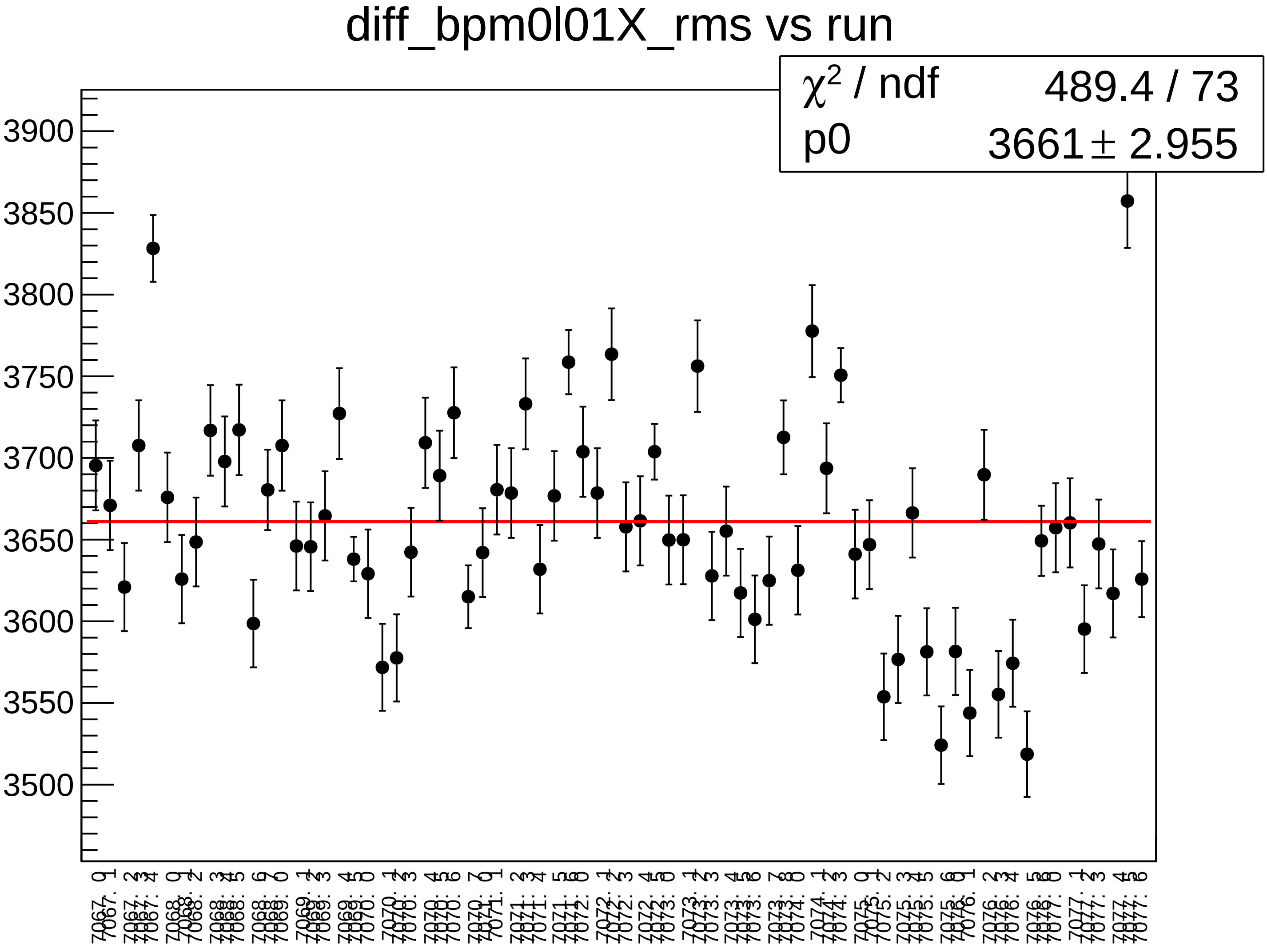
diff_bpm16Y_mean vs run
χ^2 / ndf 61.96 / 73
p0 7.889 ± 6.223
pull
Entries 74
Mean 197.1
Std Dev 143.1
pull1D
Entries 74
Mean 0.01278
Std Dev 0.915



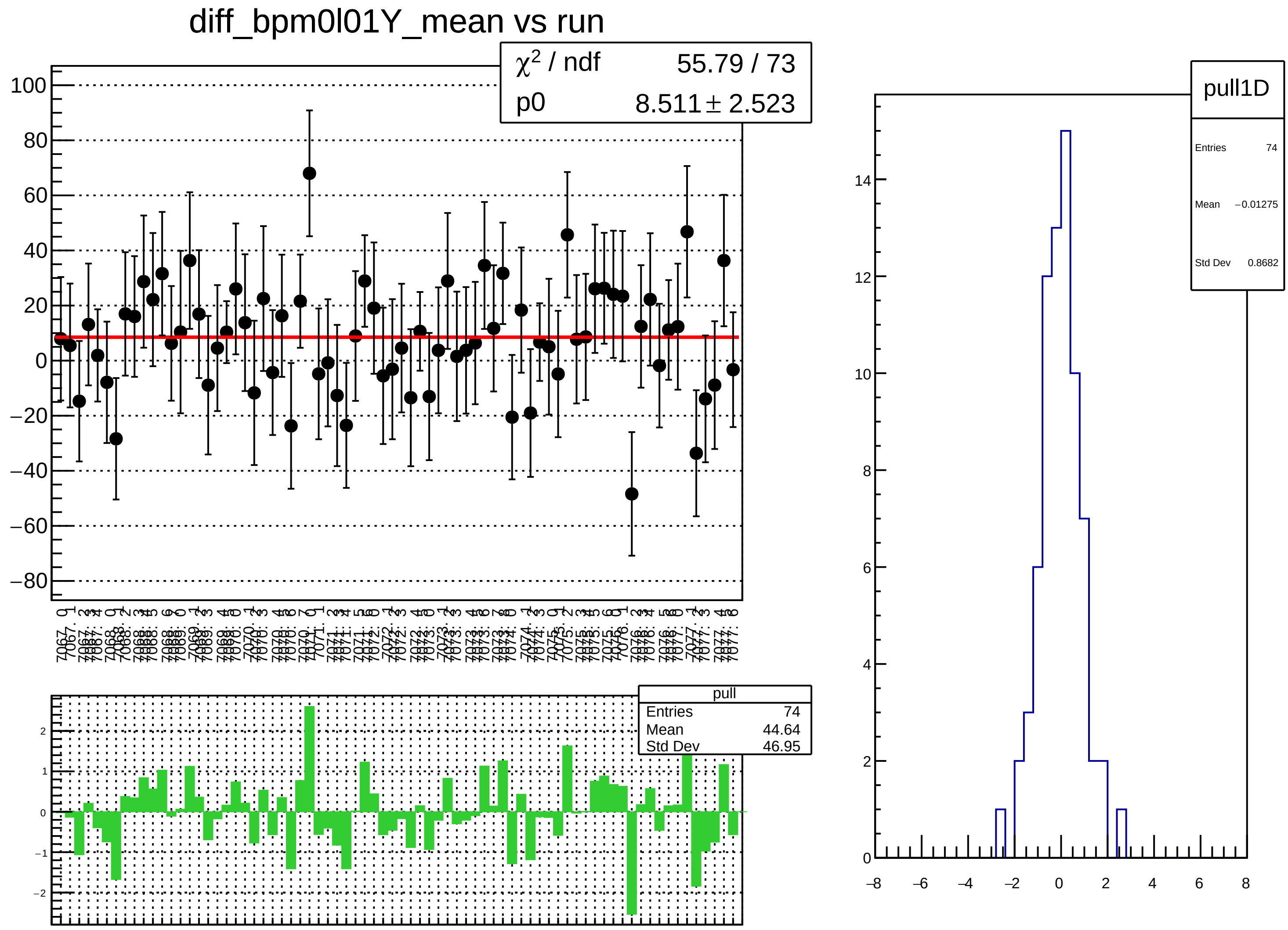
diff_bpm16Y_rms vs run
χ2 / ndf 6631 / 73
p0 5440 ± 4.4
6500
6000
5500
5000
4500

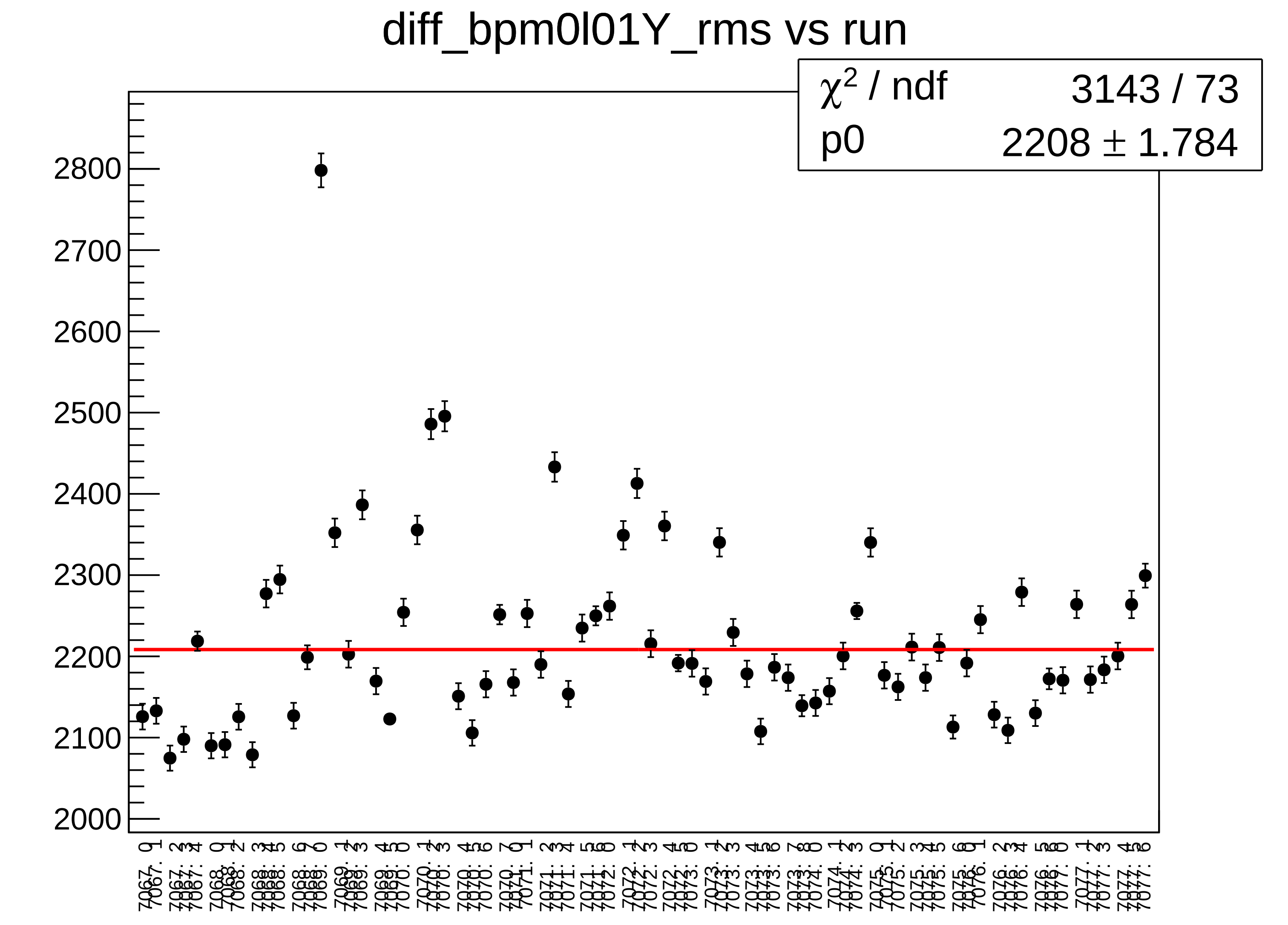


diff_bpm0l01X_mean vs run
χ^2 / ndf 79.06 / 73
p0 −13.85 ± 4.18
pull
Entries 74
Mean −1145
Std Dev 1185
pull1D
Entries 74
Mean −0.004666
Std Dev 1.034

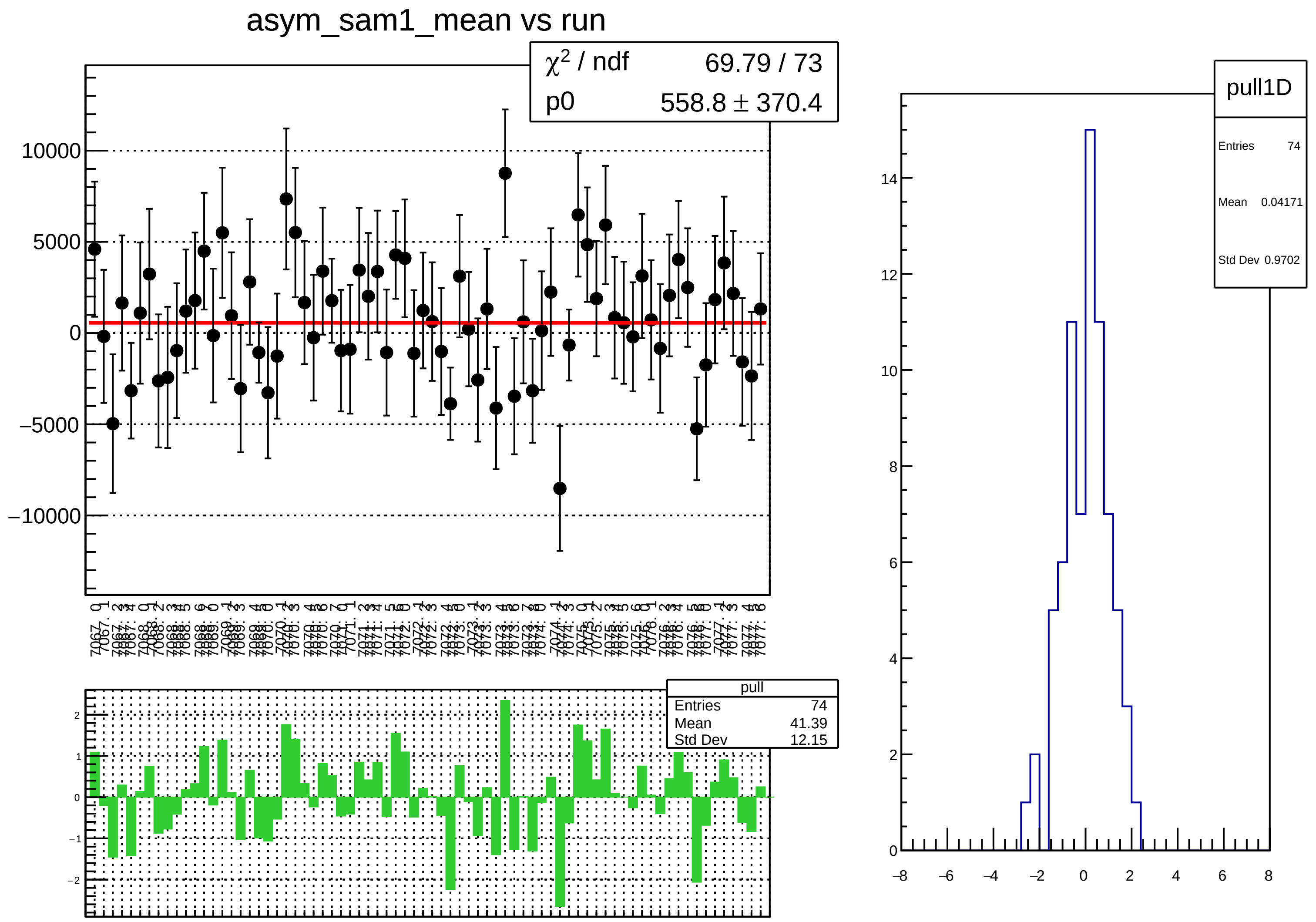


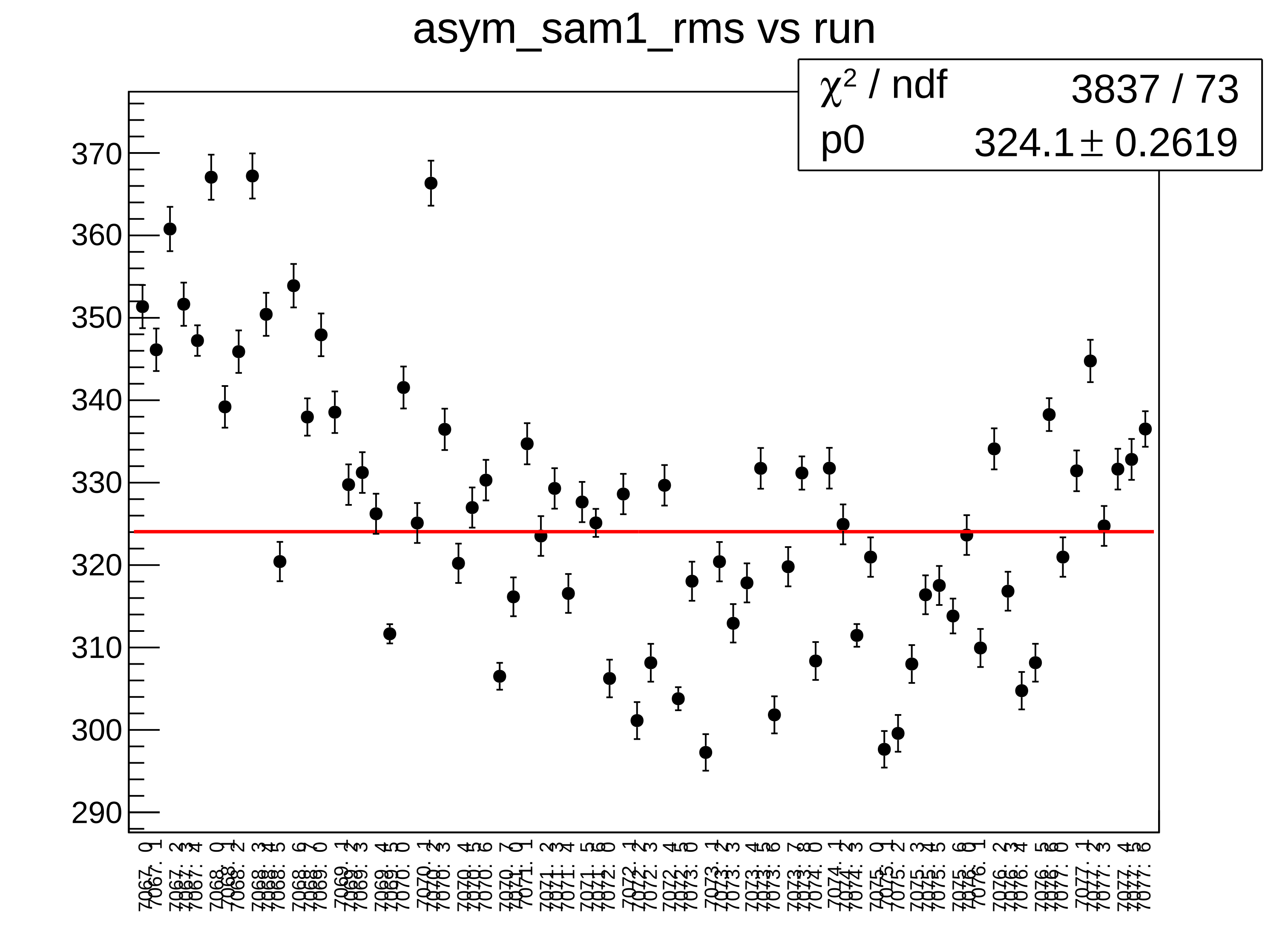
diff_bpm0l01X_rms vs run
χ^2 / ndf 489.4 / 73
p0 3661 ± 2.955
3900
3850
3800
3750
3700
3650
3600
3550
3500


diff_bpm0l01Y_mean vs run
χ2 / ndf 55.79 / 73
p0 8.511 ± 2.523
pull
Entries 74
Mean 44.64
Std Dev 46.95
pull1D
Entries 74
Mean −0.01275
Std Dev 0.8682

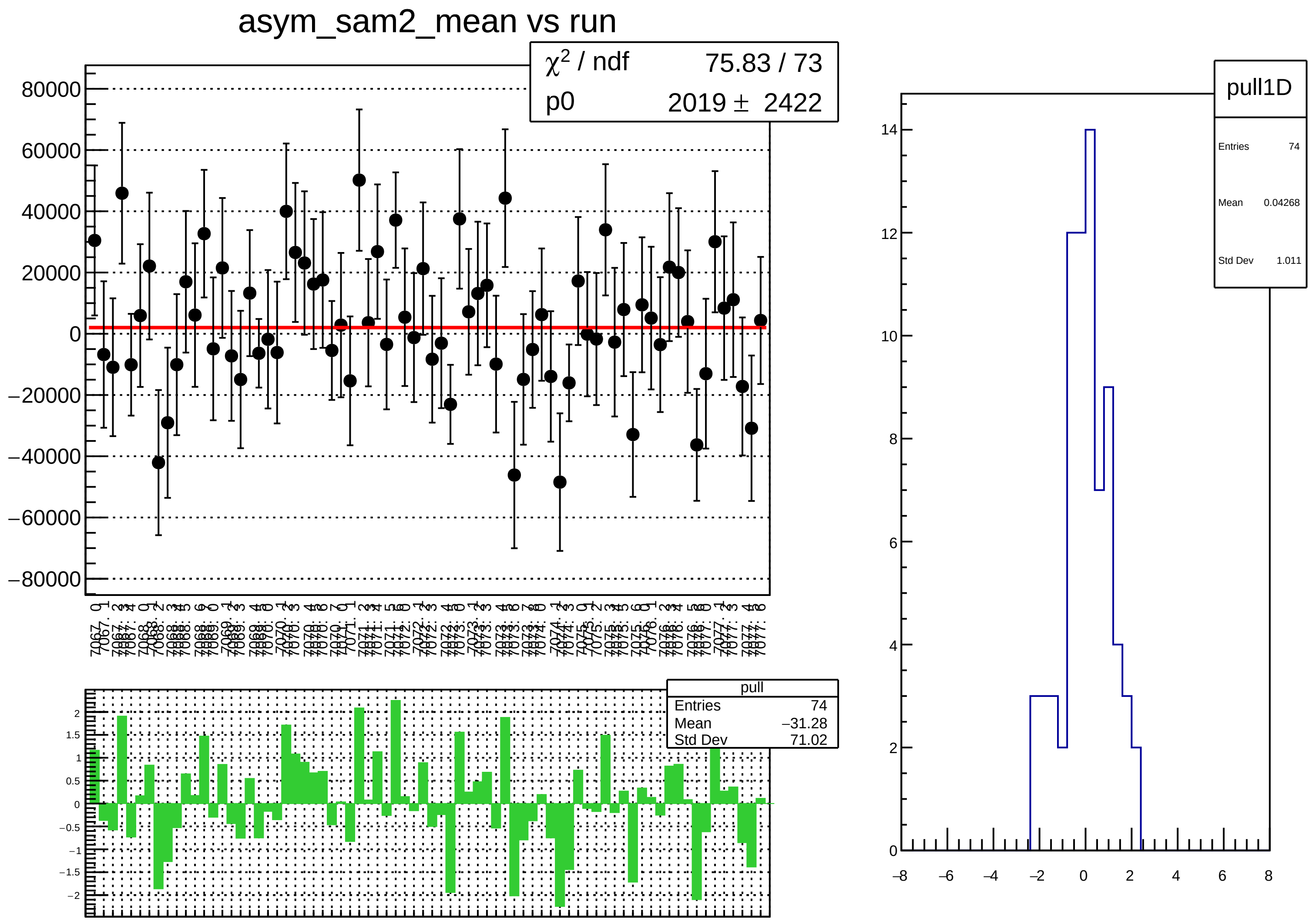


diff_bpm0l01Y_rms vs run
χ^2 / ndf 3143 / 73
p0 2208 ± 1.784
2000
2100
2200
2300
2400
2500
2600
2700
2800

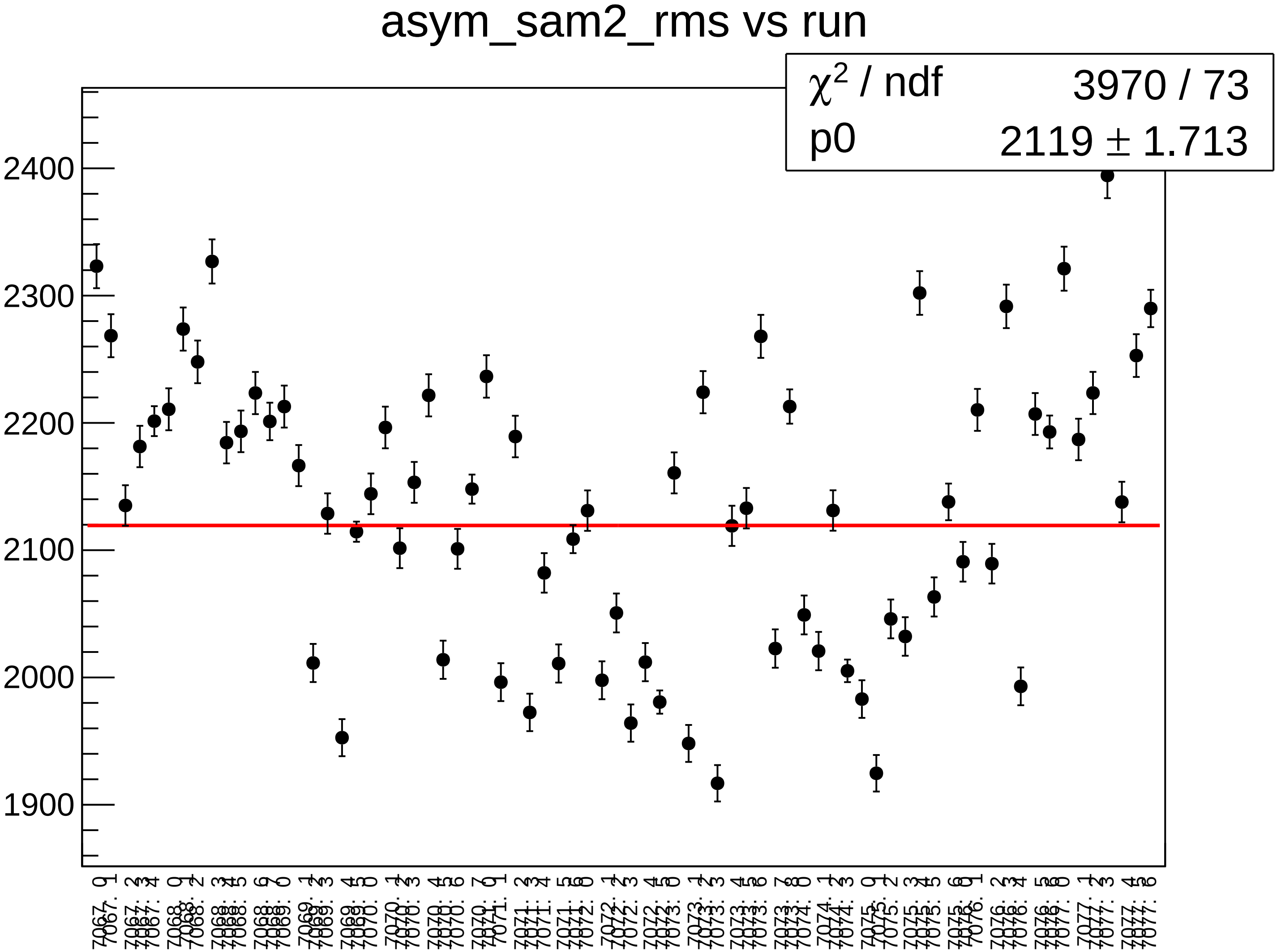

asym_sam1_mean vs run
χ^2 / ndf 69.79 / 73
p0 558.8 ± 370.4
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 41.39
Std Dev 12.15
pull1D
Entries 74
Mean 0.04171
Std Dev 0.9702



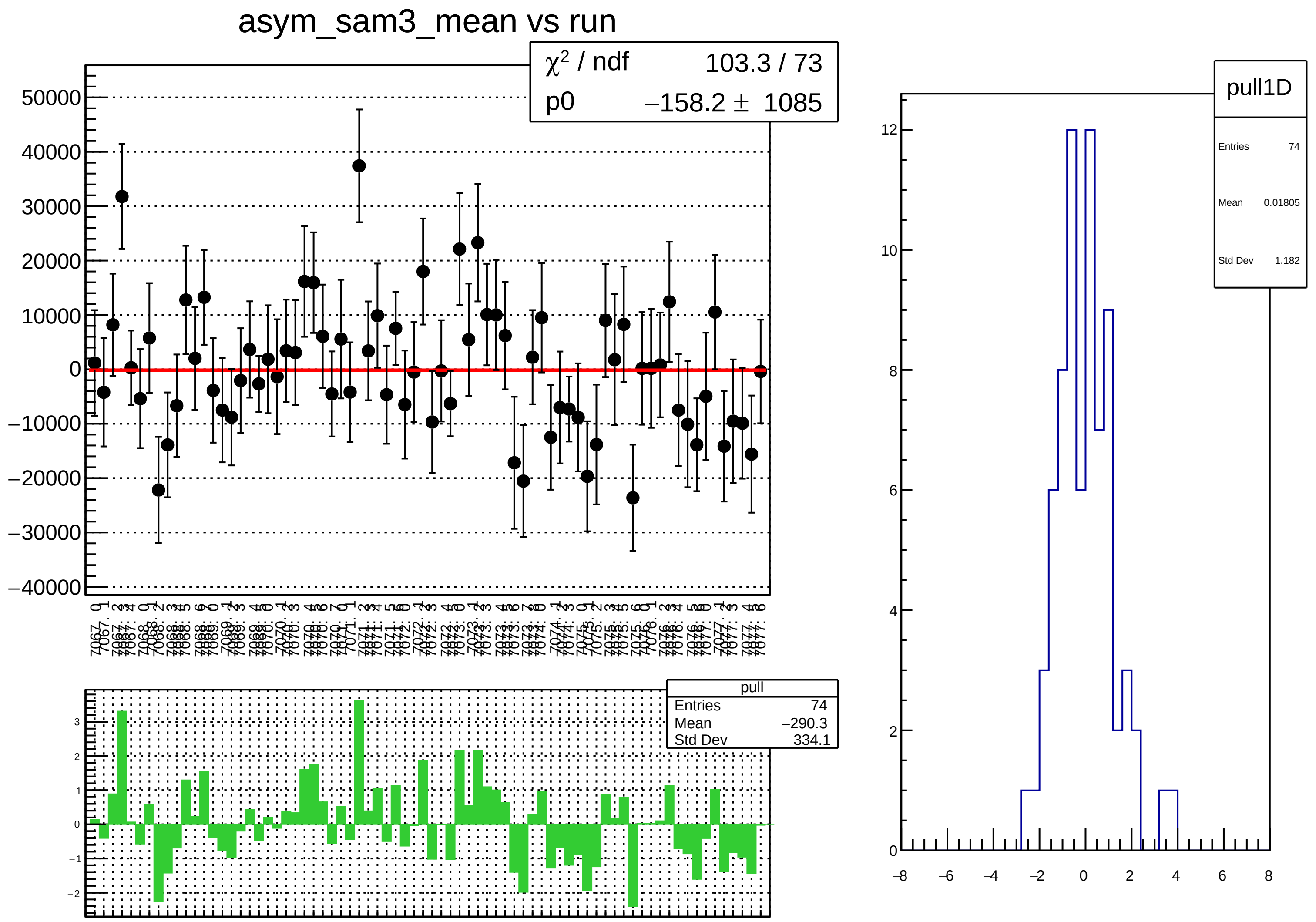
asym_sam1_rms vs run
χ2 / ndf 3837 / 73
p0 324.1 ± 0.2619
370
360
350
340
330
320
310
300
290



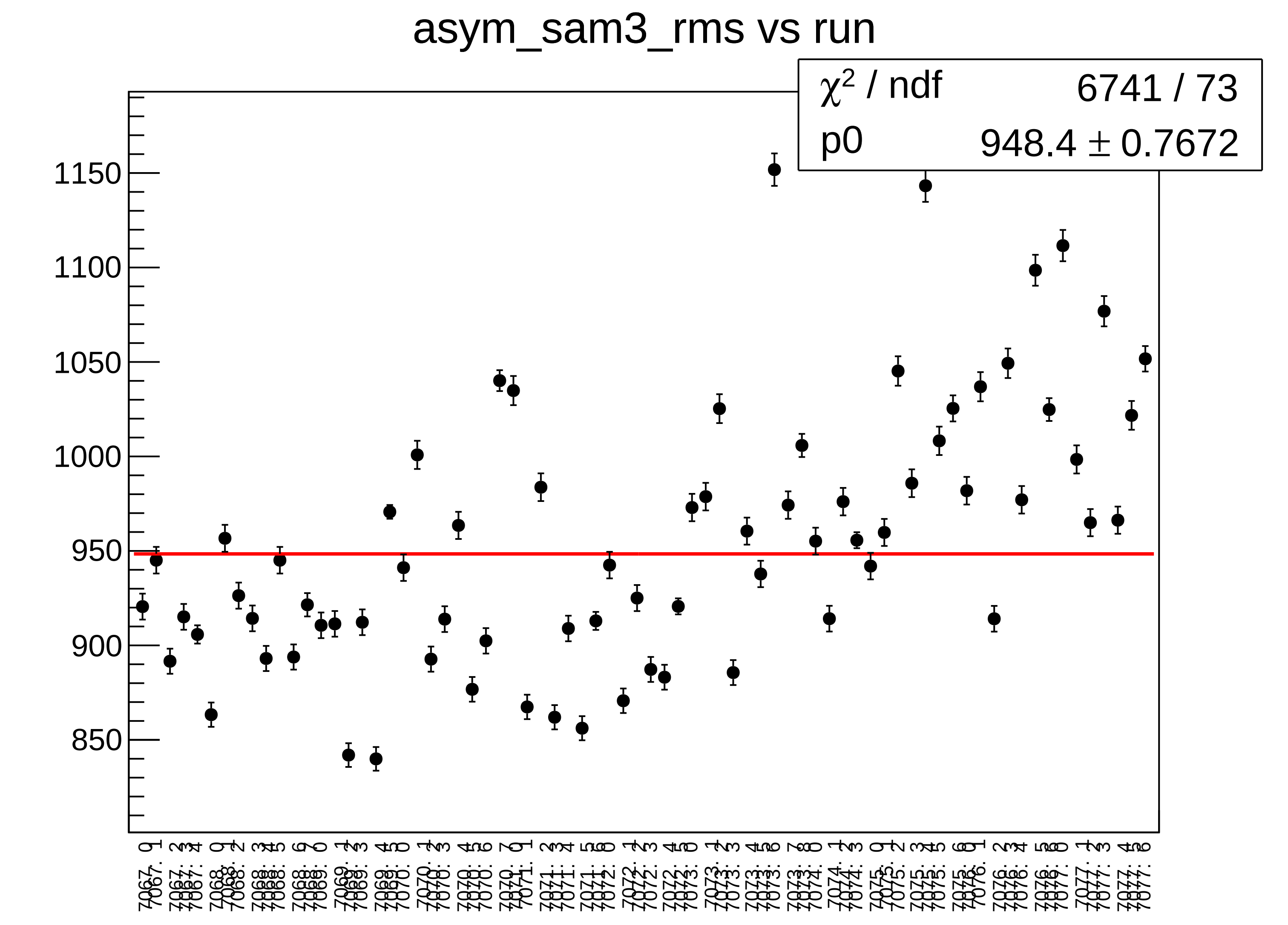
asym_sam2_mean vs run
χ^2 / ndf 75.83 / 73
p0 2019 ± 2422
pull
Entries 74
Mean −31.28
Std Dev 71.02
pull1D
Entries 74
Mean 0.04268
Std Dev 1.011



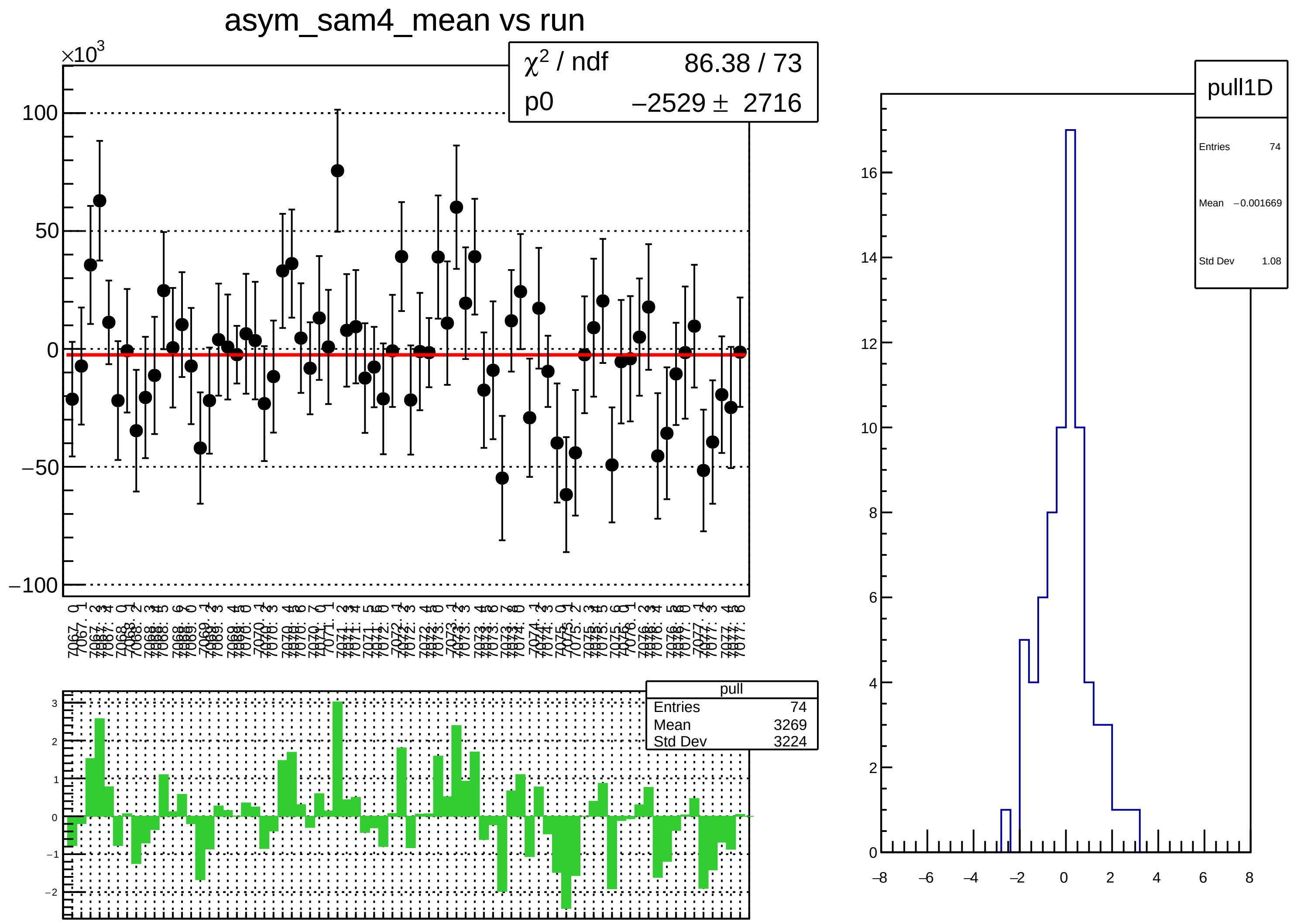
asym_sam2_rms vs run
χ^2 / ndf 3970 / 73
p0 2119 ± 1.713
2400
2300
2200
2100
2000
1900



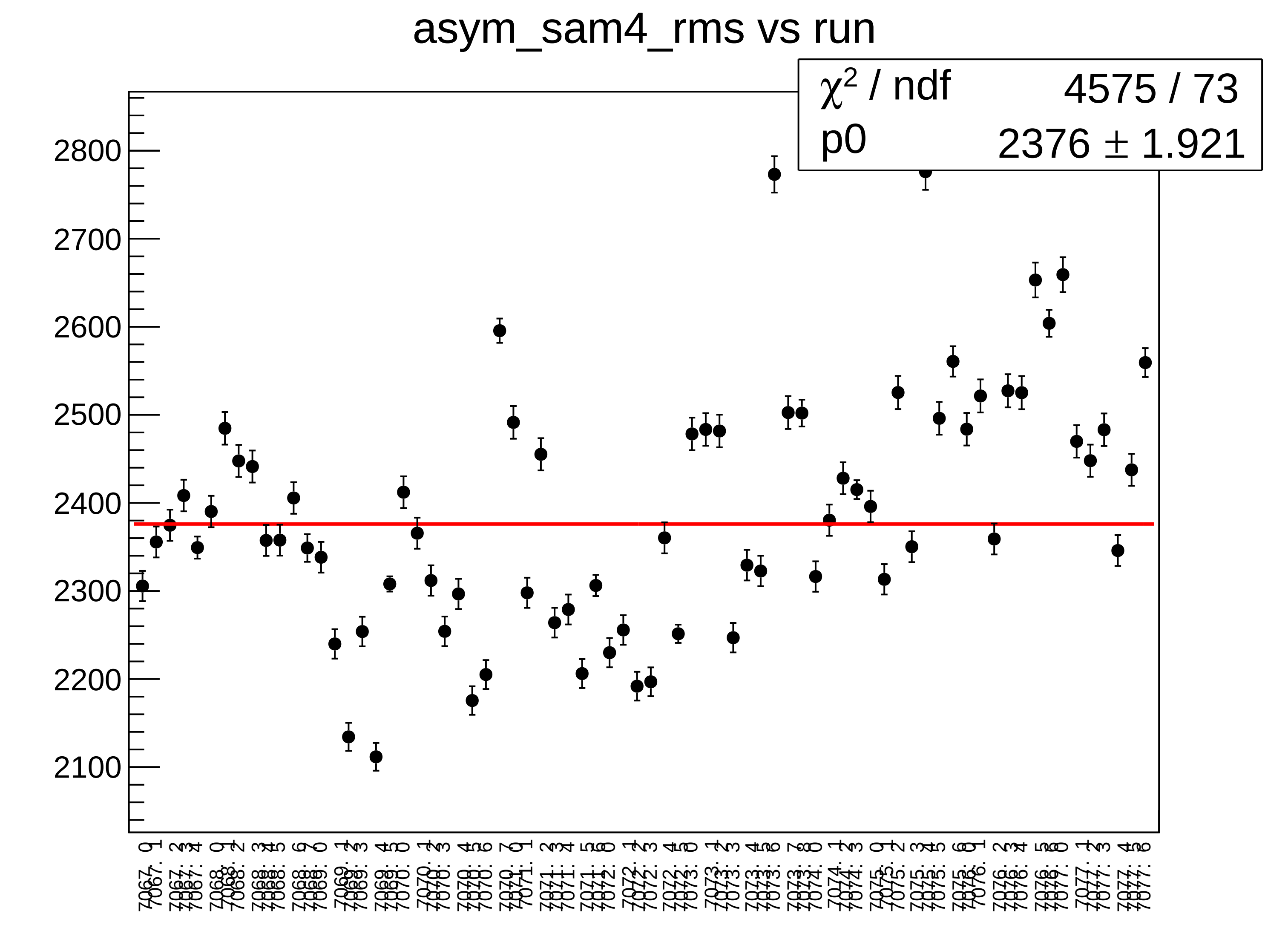
asym_sam3_mean vs run
χ^2 / ndf 103.3 / 73
p0 −158.2 ± 1085
pull
Entries 74
Mean −290.3
Std Dev 334.1
pull1D
Entries 74
Mean 0.01805
Std Dev 1.182



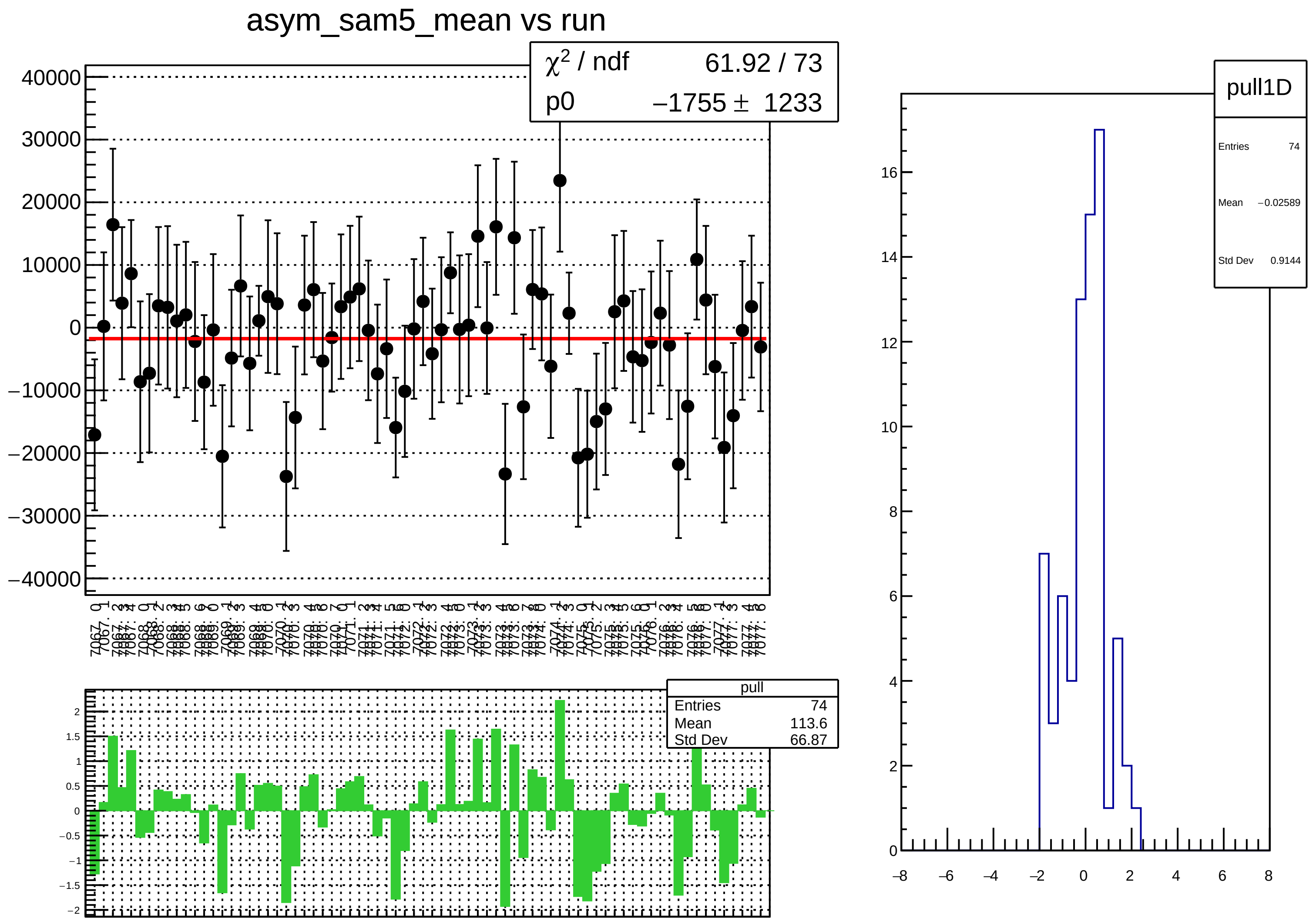
asym_sam3_rms vs run
χ² / ndf 6741 / 73
p0 948.4 ± 0.7672
1150
1100
1050
1000
950
900
850

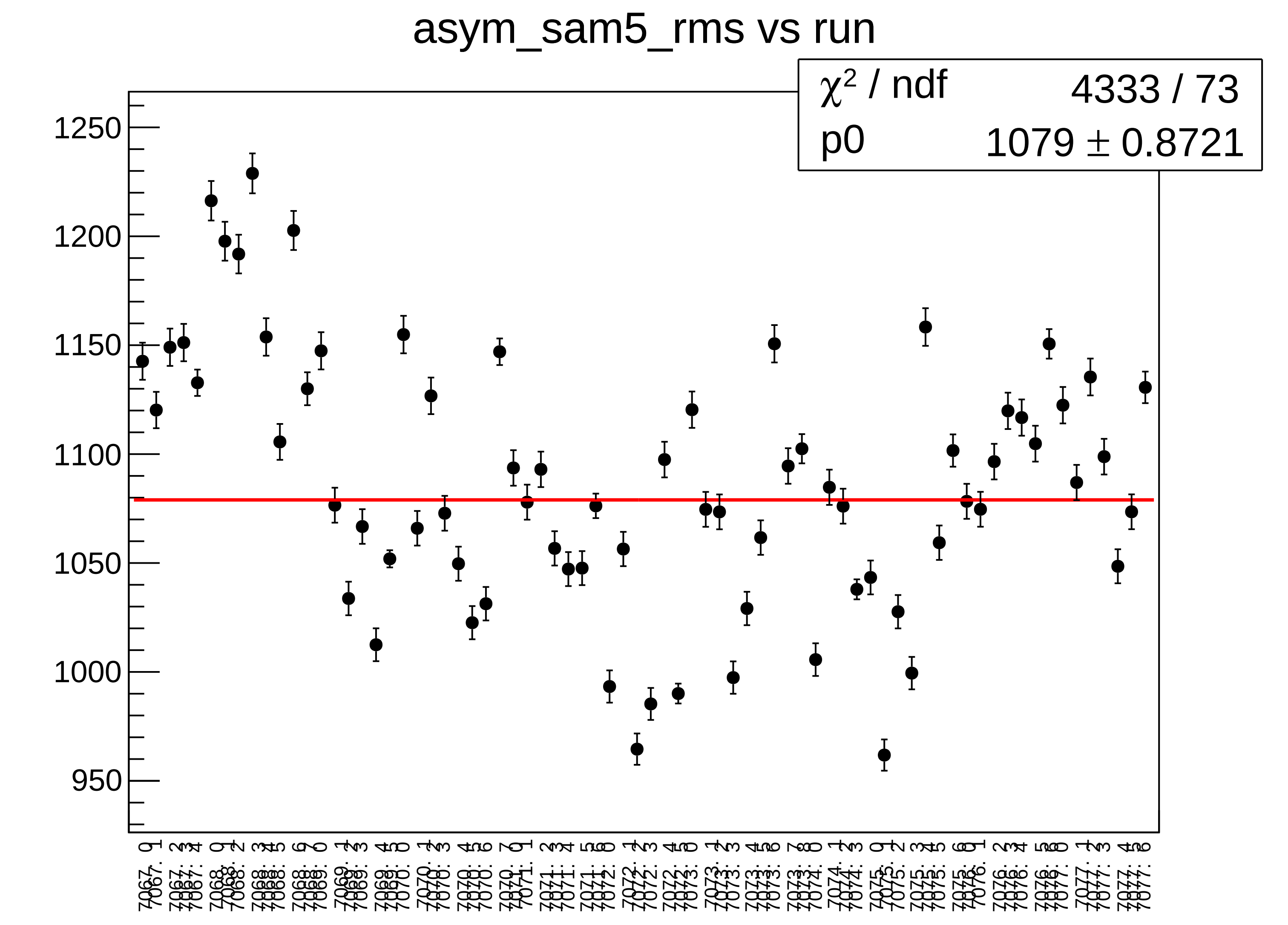


asym_sam4_mean vs run
×10^3
χ^2 / ndf 86.38 / 73
p0 −2529 ± 2716
pull
Entries 74
Mean 3269
Std Dev 3224
pull1D
Entries 74
Mean −0.001669
Std Dev 1.08

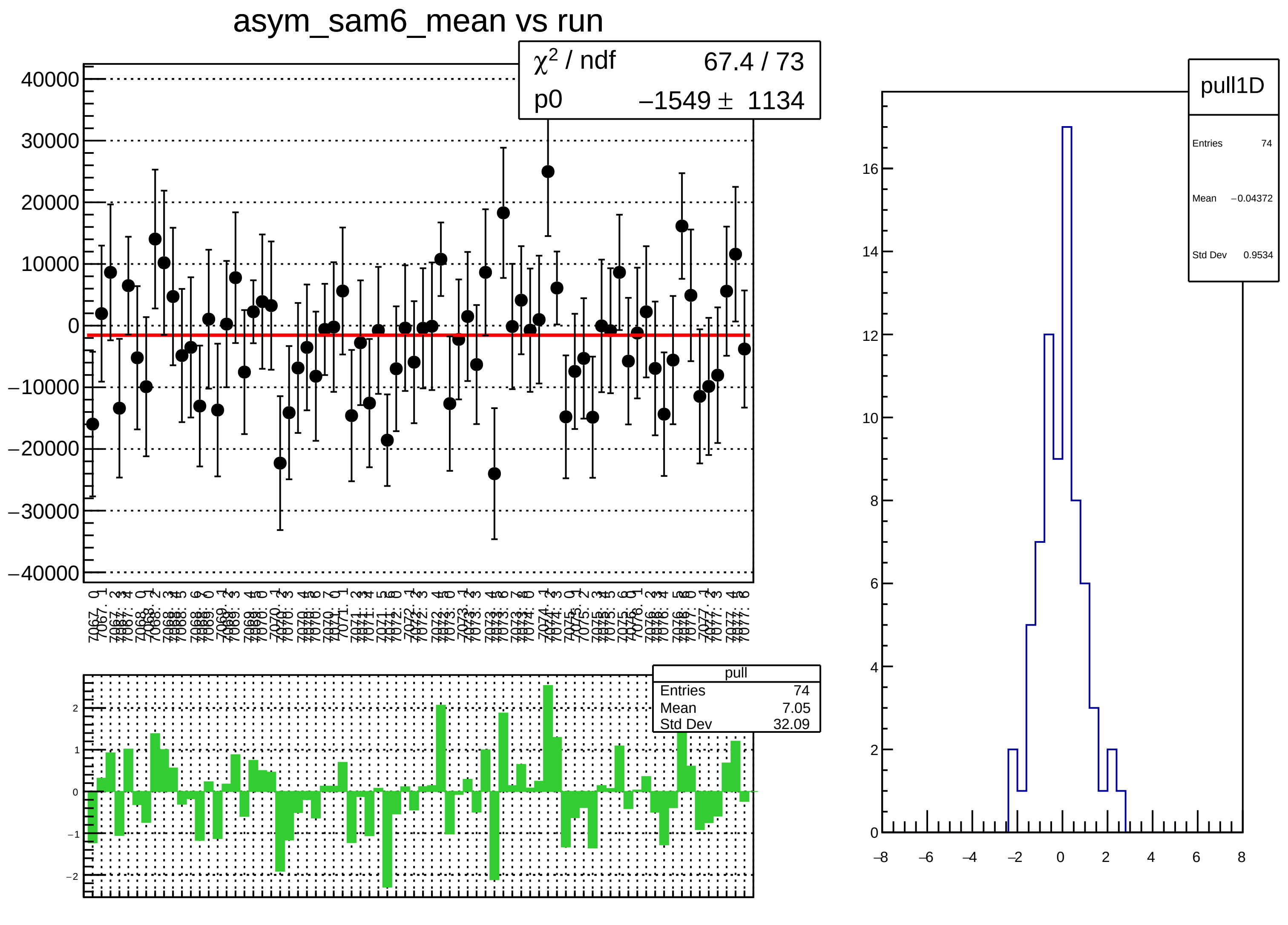


asym_sam4_rms vs run
χ^2 / ndf 4575 / 73
p0 2376 ± 1.921
2800
2700
2600
2500
2400
2300
2200
2100

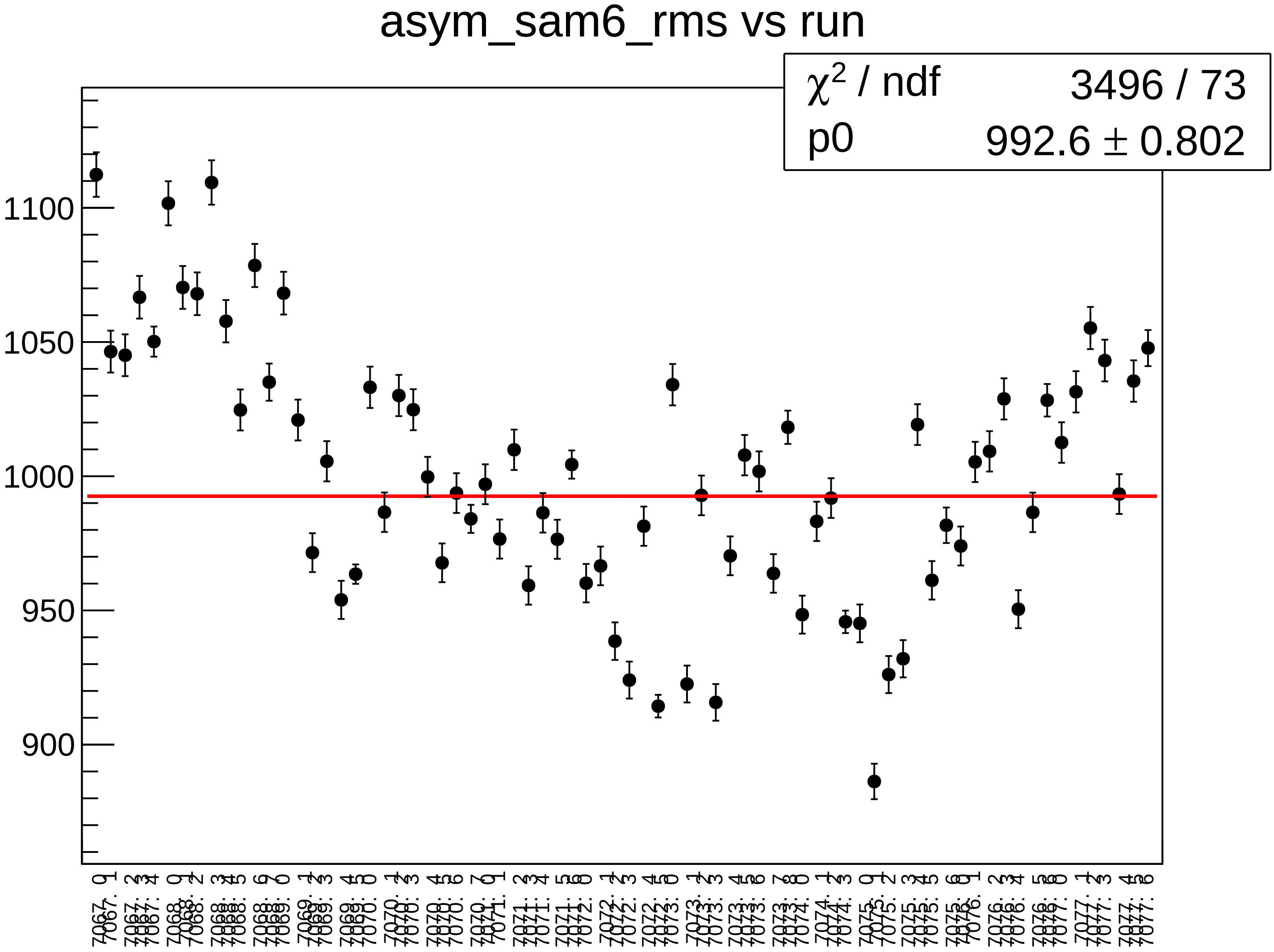

asym_sam5_mean vs run
χ2 / ndf 61.92 / 73
p0 −1755 ± 1233
pull
Entries 74
Mean 113.6
Std Dev 66.87
pull1D
Entries 74
Mean −0.02589
Std Dev 0.9144



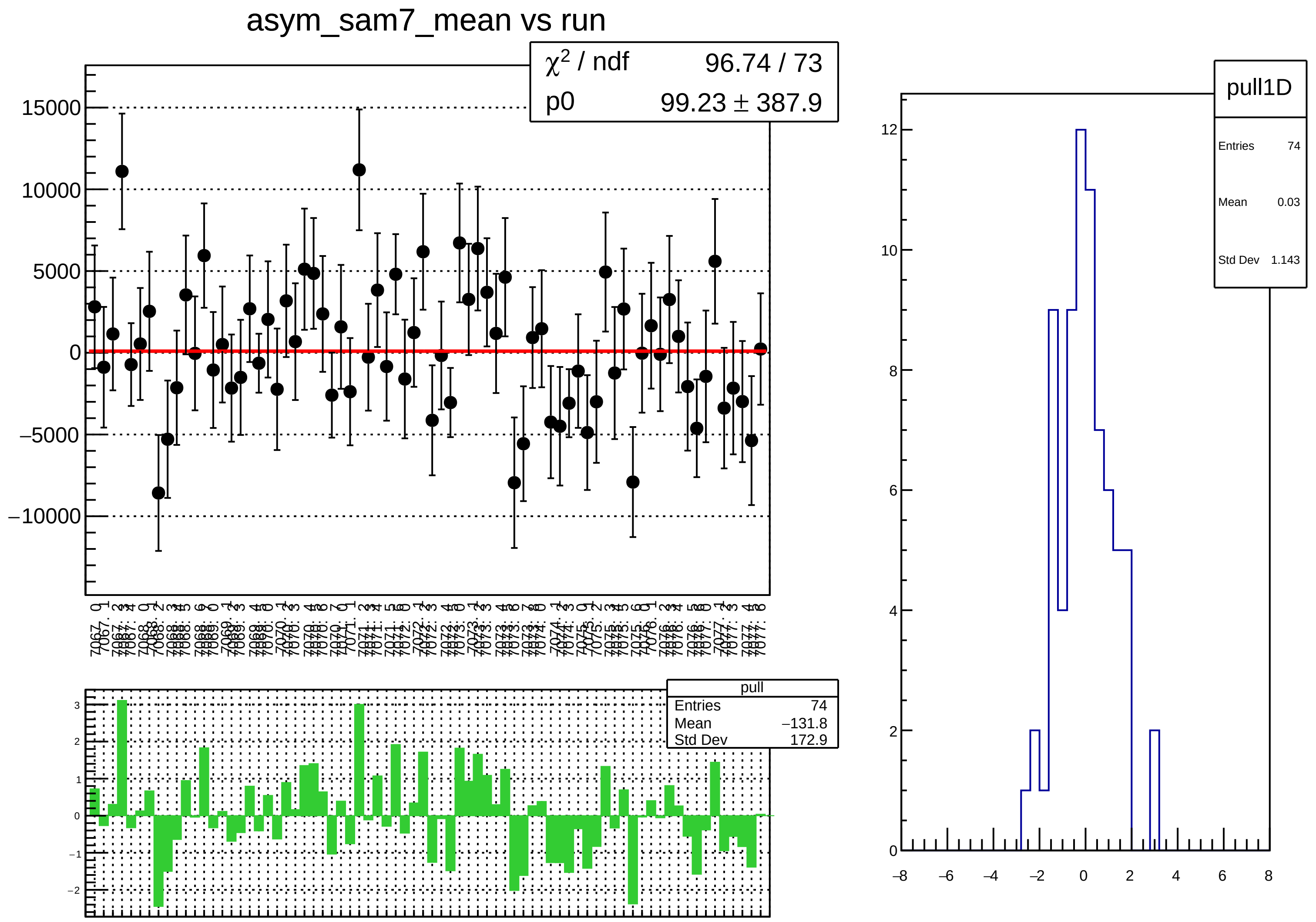
asym_sam5_rms vs run
χ2 / ndf 4333 / 73
p0 1079 ± 0.8721
1250
1200
1150
1100
1050
1000
950



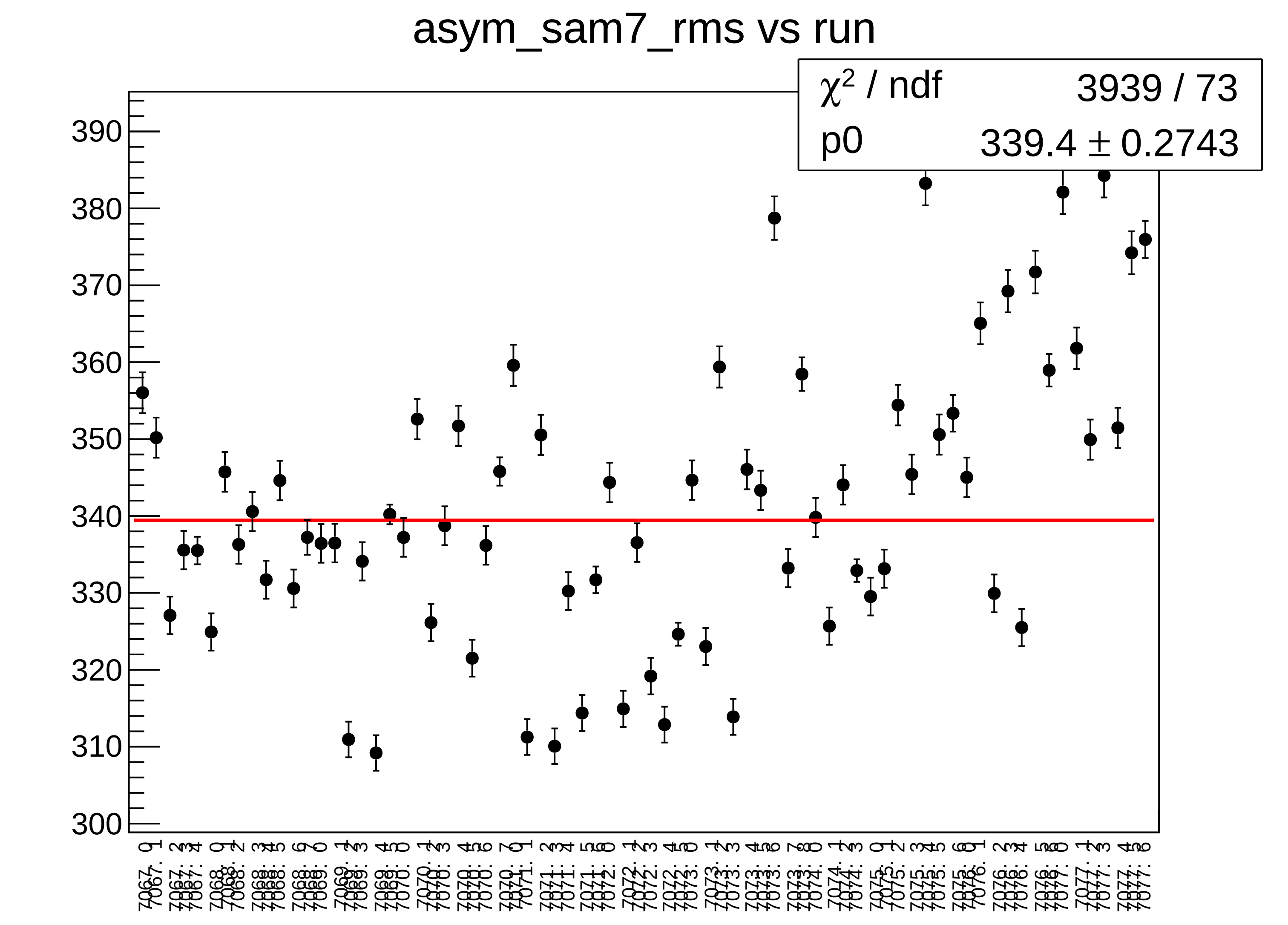
asym_sam6_mean vs run
χ2 / ndf 67.4 / 73
p0 −1549 ± 1134
pull
Entries 74
Mean 7.05
Std Dev 32.09
pull1D
Entries 74
Mean −0.04372
Std Dev 0.9534



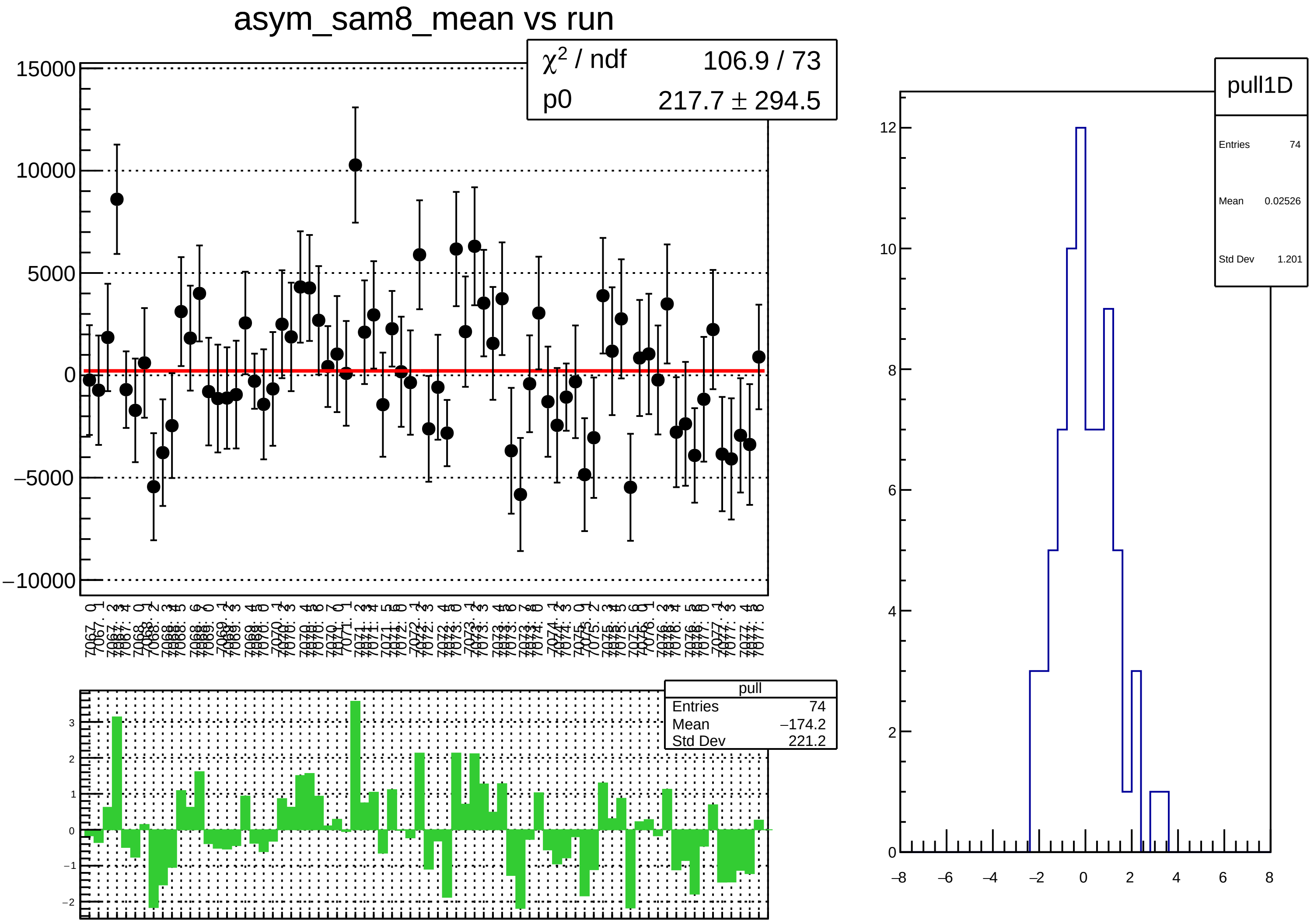
asym_sam6_rms vs run
χ^2 / ndf 3496 / 73
p0 992.6 ± 0.802
1100
1050
1000
950
900

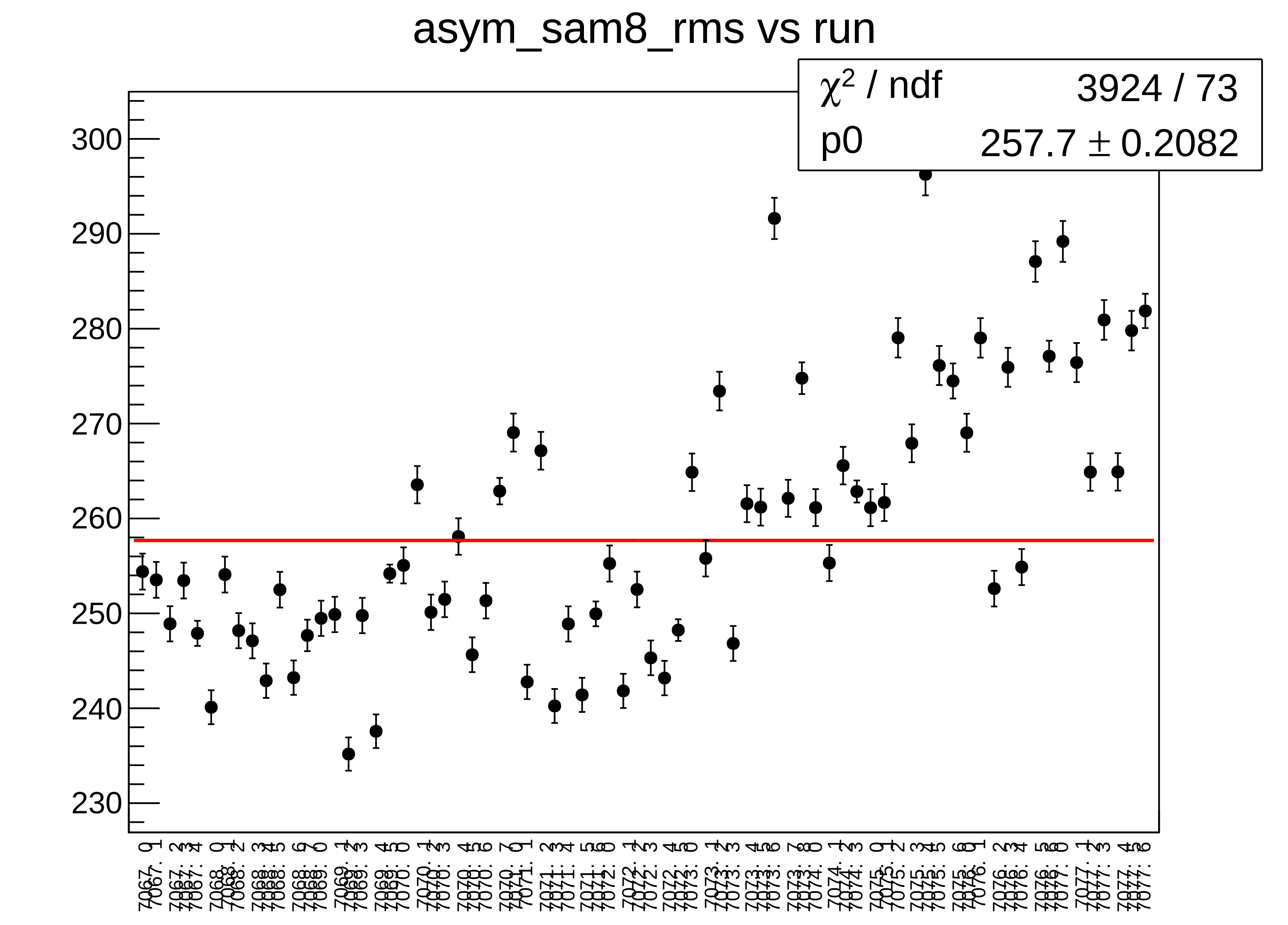


asym_sam7_mean vs run
χ^2 / ndf 96.74 / 73
p0 99.23 ± 387.9
pull
Entries 74
Mean −131.8
Std Dev 172.9
pull1D
Entries 74
Mean 0.03
Std Dev 1.143

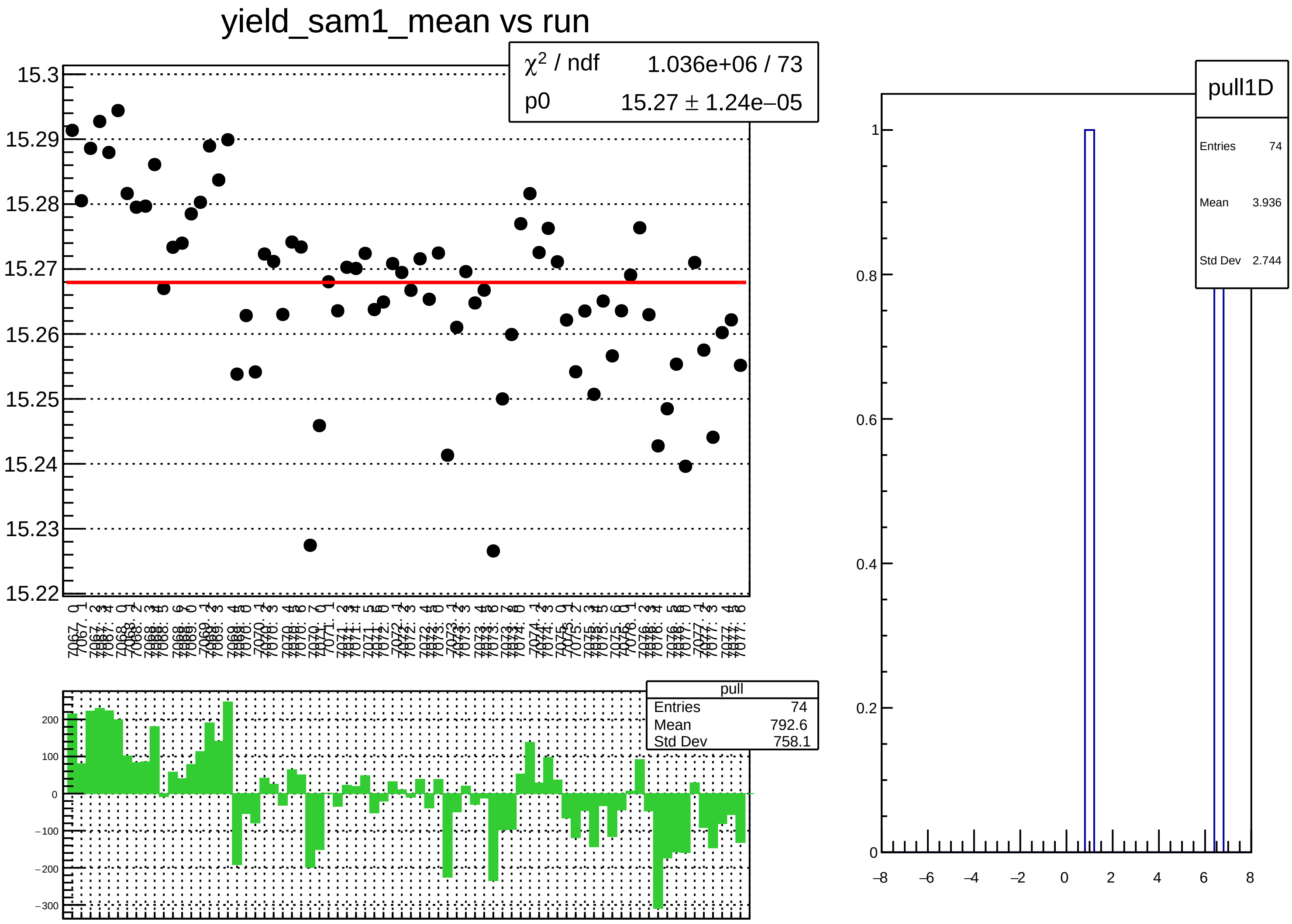


asym_sam7_rms vs run
χ2 / ndf 3939 / 73
p0 339.4 ± 0.2743

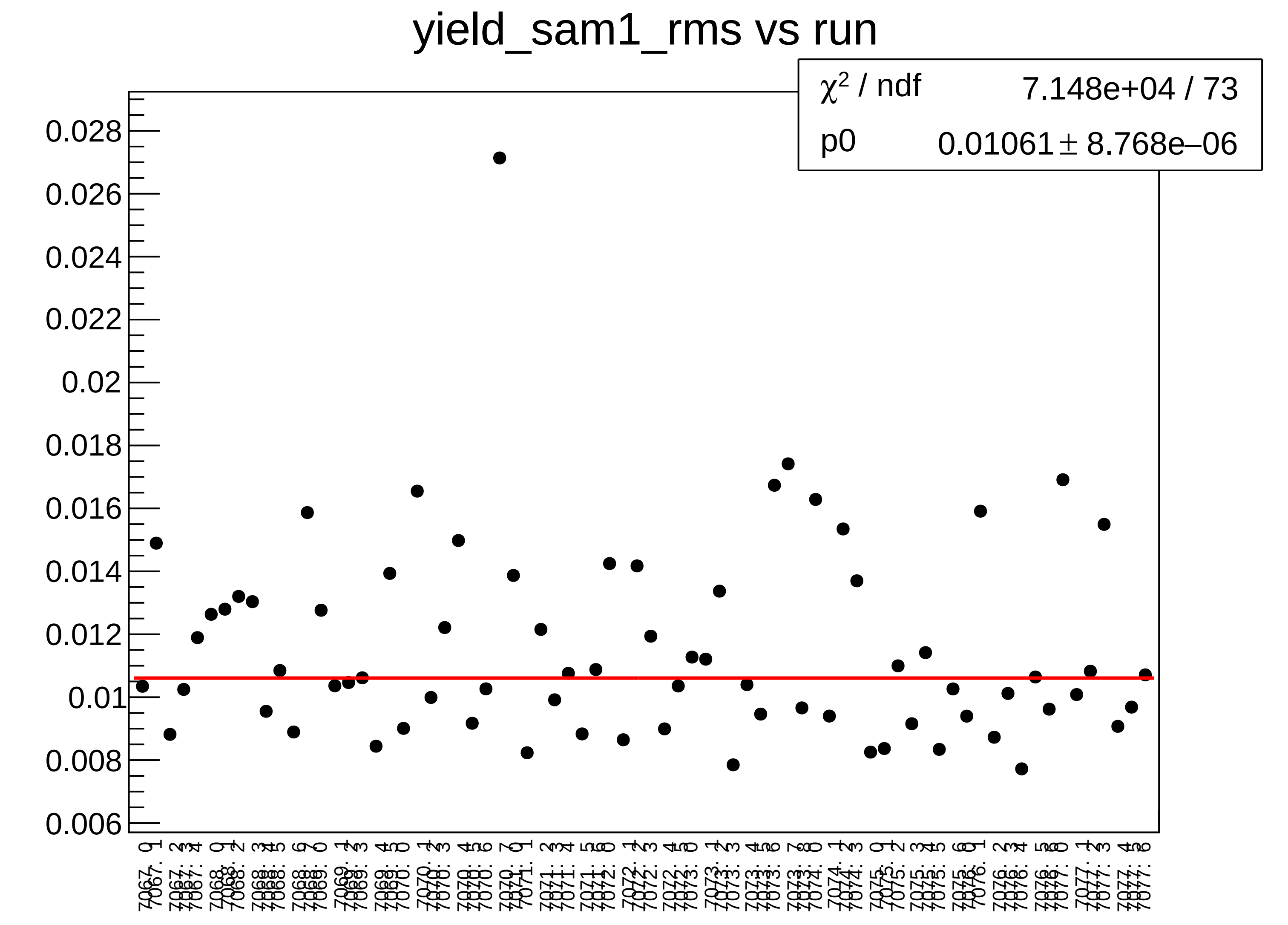

asym_sam8_mean vs run
χ^2 / ndf 106.9 / 73
p0 217.7 ± 294.5
pull
Entries 74
Mean −174.2
Std Dev 221.2
pull1D
Entries 74
Mean 0.02526
Std Dev 1.201



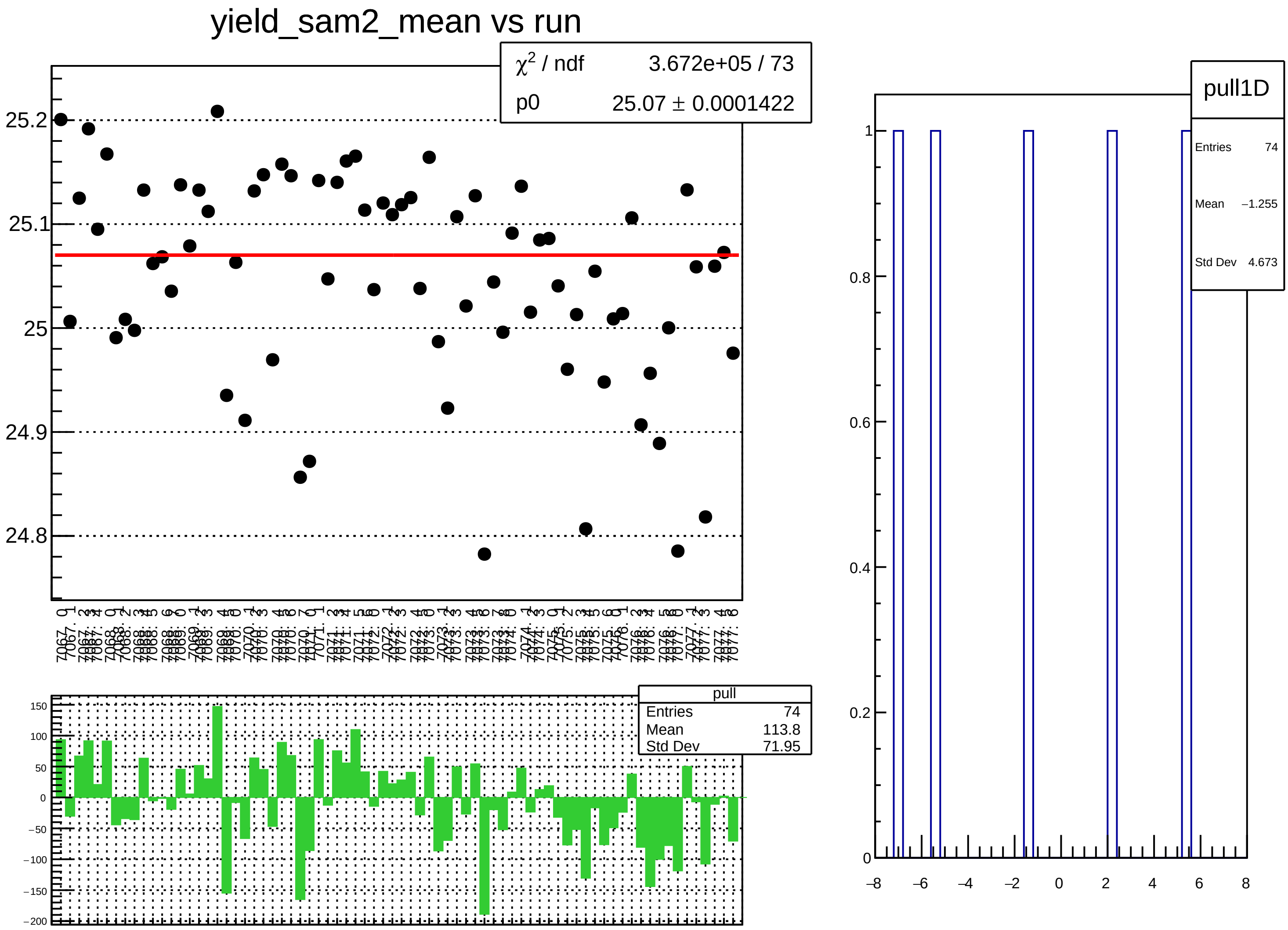
asym_sam8_rms vs run
χ^2 / ndf 3924 / 73
p0 257.7 ± 0.2082



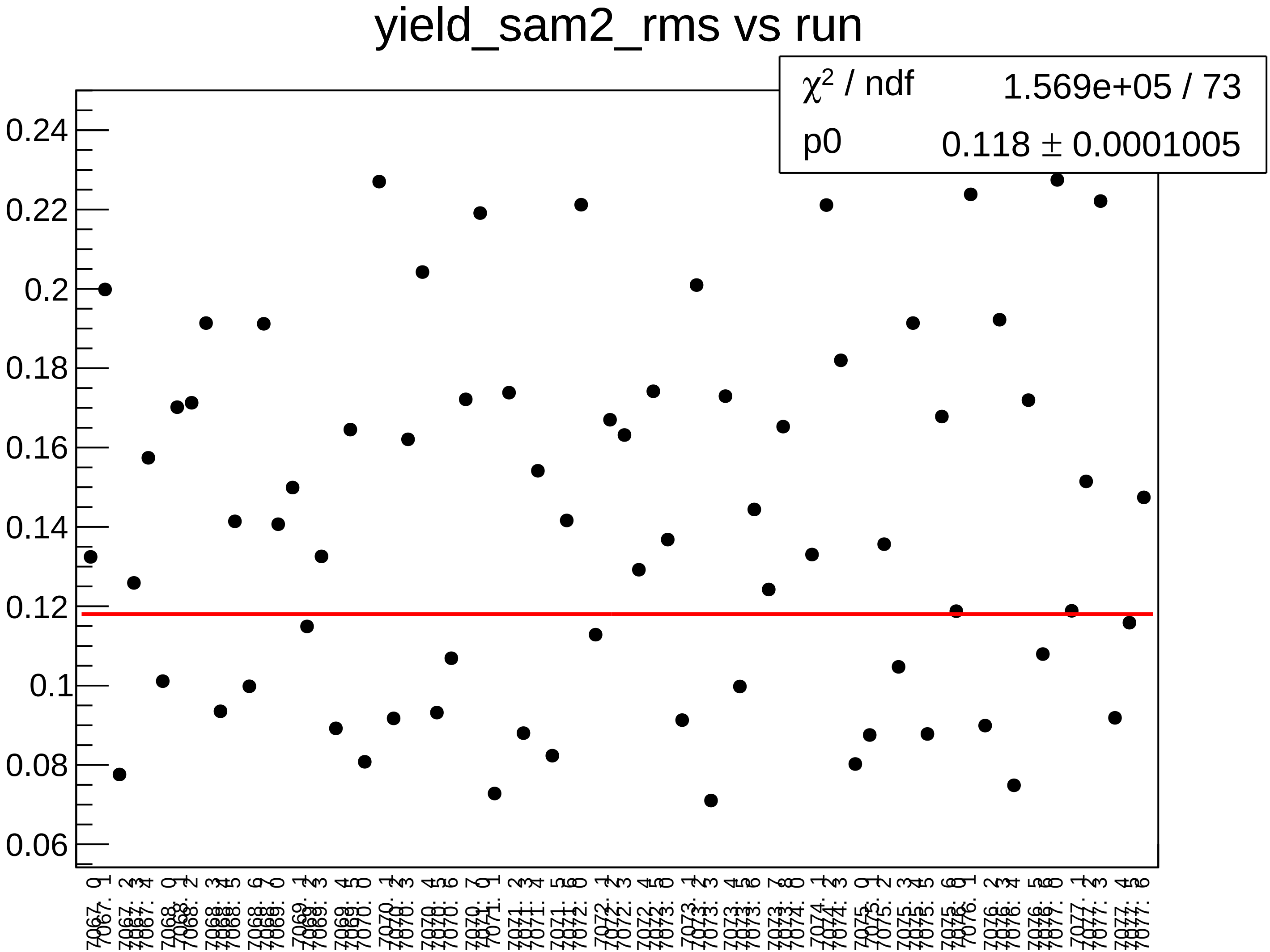
yield_sam1_mean vs run
χ^2 / ndf 1.036e+06 / 73
p0 15.27 ± 1.24e−05
pull
Entries 74
Mean 792.6
Std Dev 758.1
pull1D
Entries 74
Mean 3.936
Std Dev 2.744



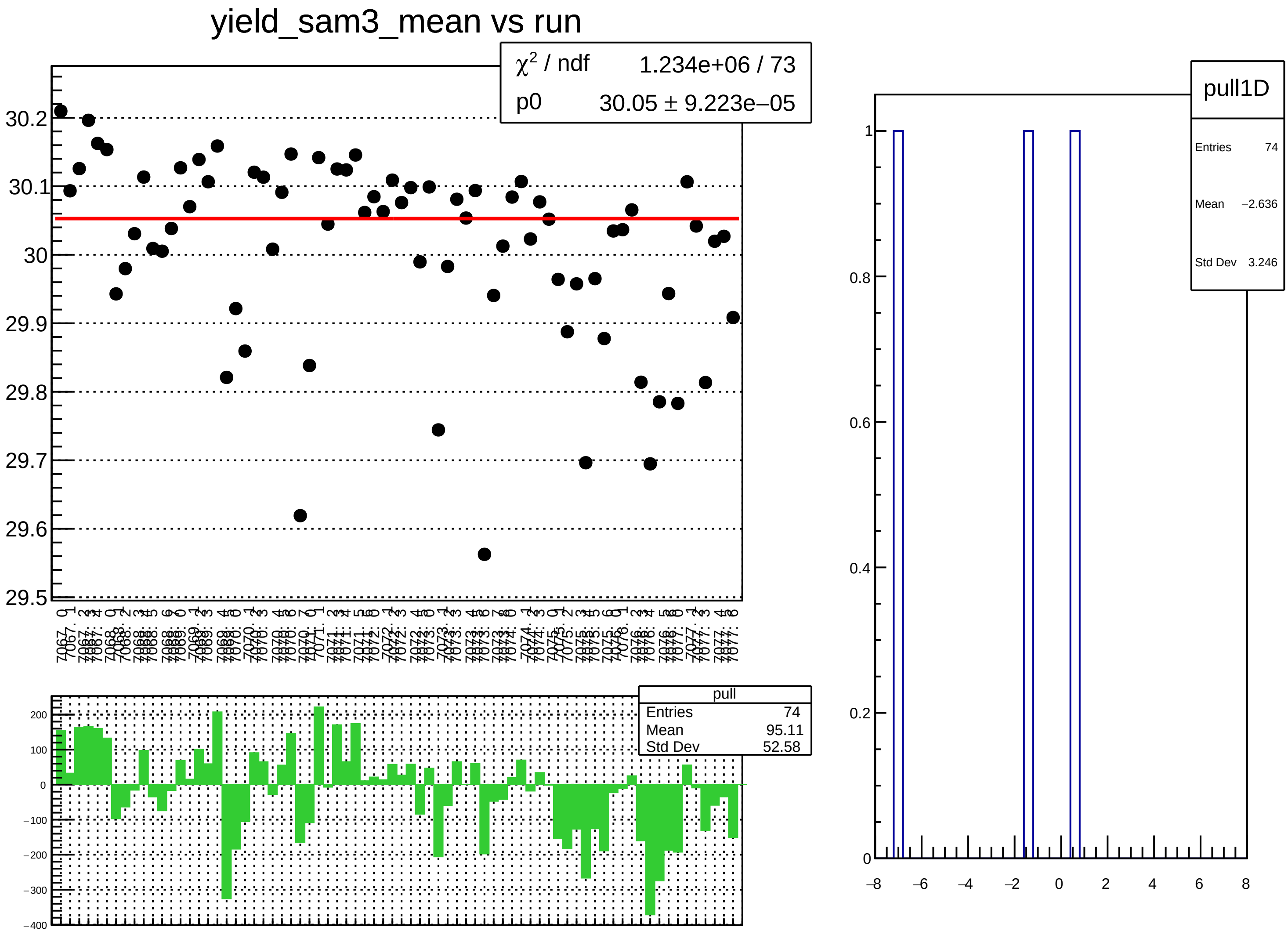
yield_sam1_rms vs run
χ^2 / ndf 7.148e+04 / 73
p0 0.01061 ± 8.768e−06
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006



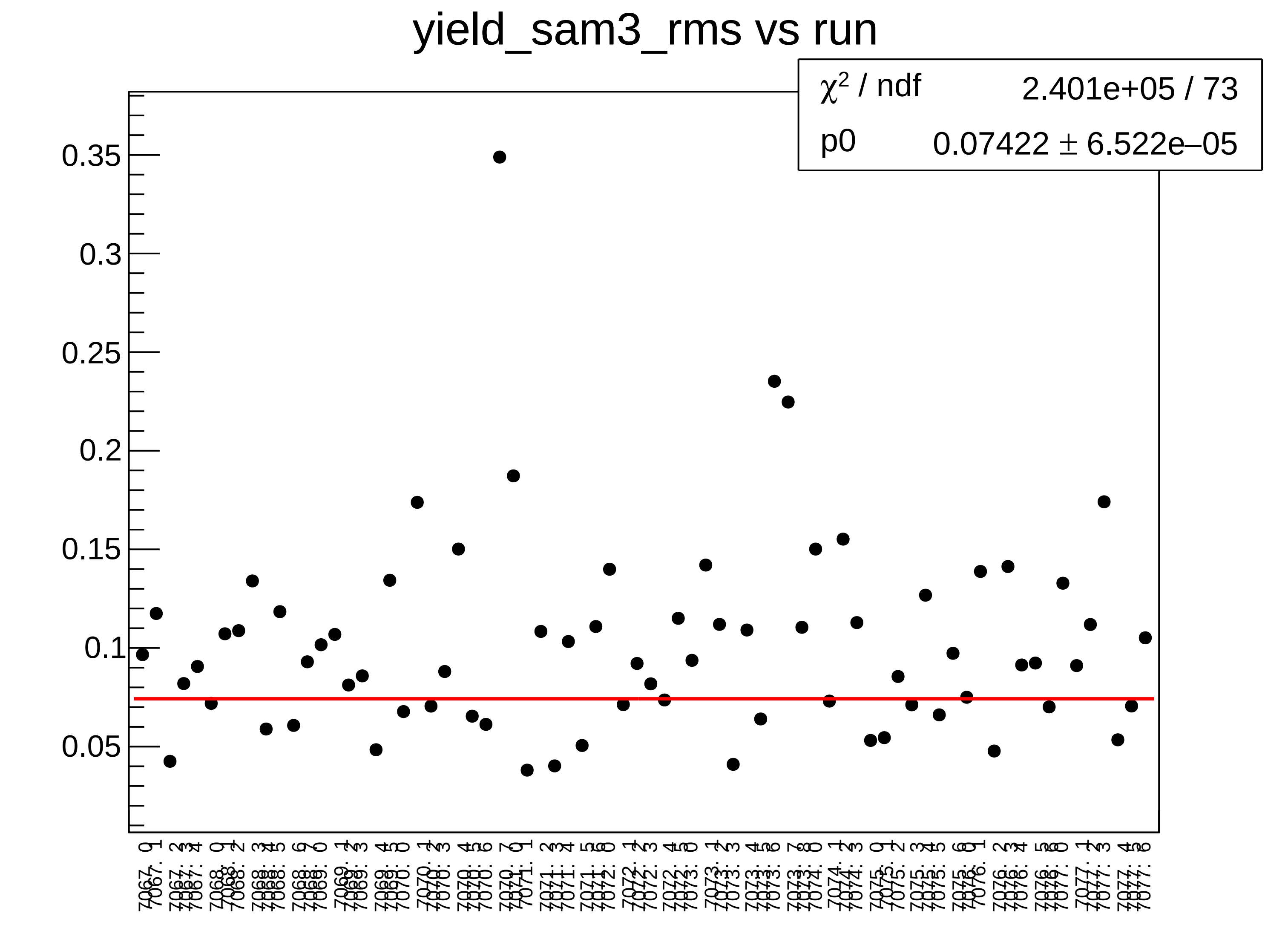
yield_sam2_mean vs run
χ^2 / ndf 3.672e+05 / 73
p0 25.07 ± 0.0001422
pull
Entries 74
Mean 113.8
Std Dev 71.95
pull1D
Entries 74
Mean −1.255
Std Dev 4.673

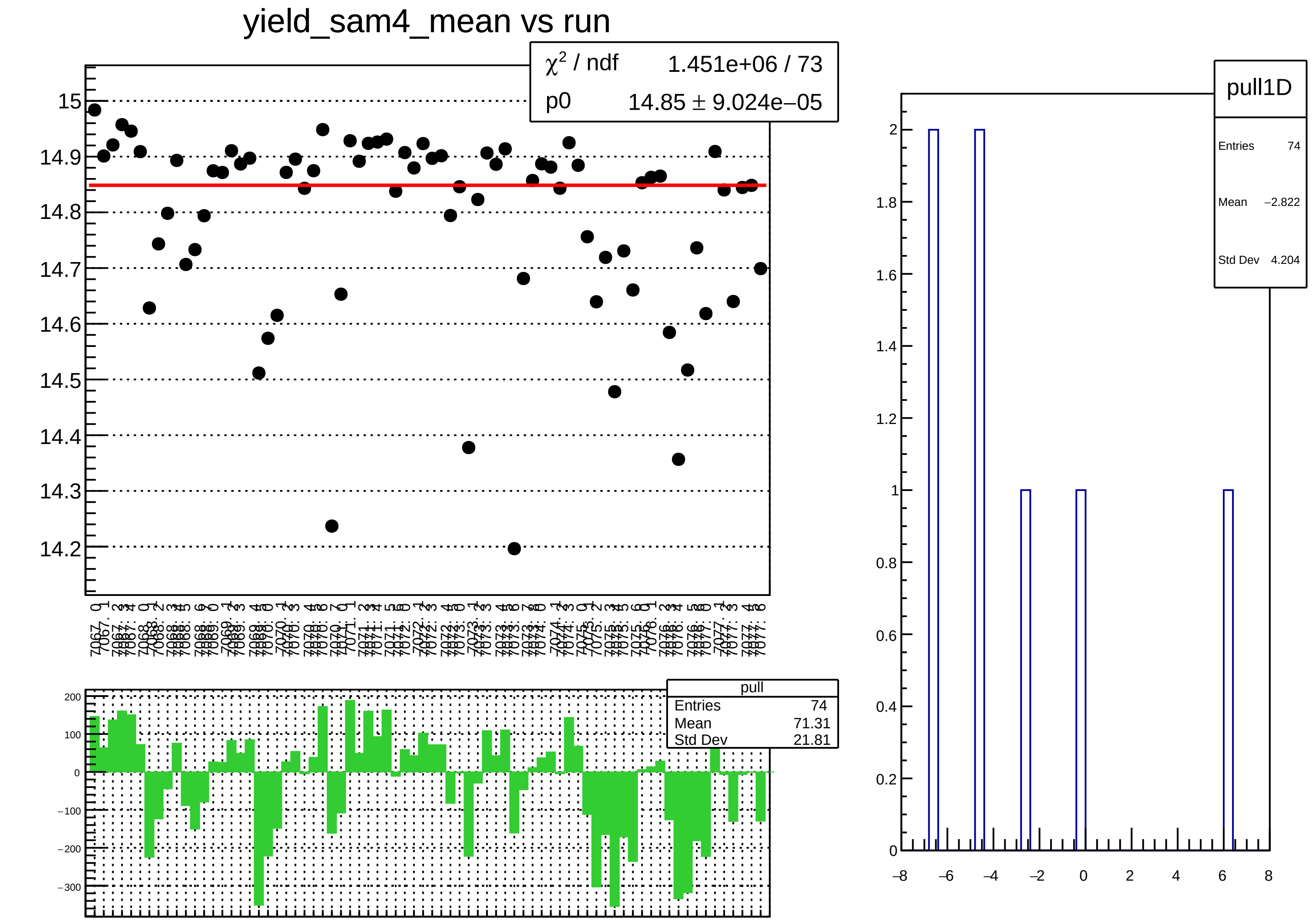


yield_sam2_rms vs run
χ^2 / ndf 1.569e+05 / 73
p0 0.118 ± 0.0001005
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06

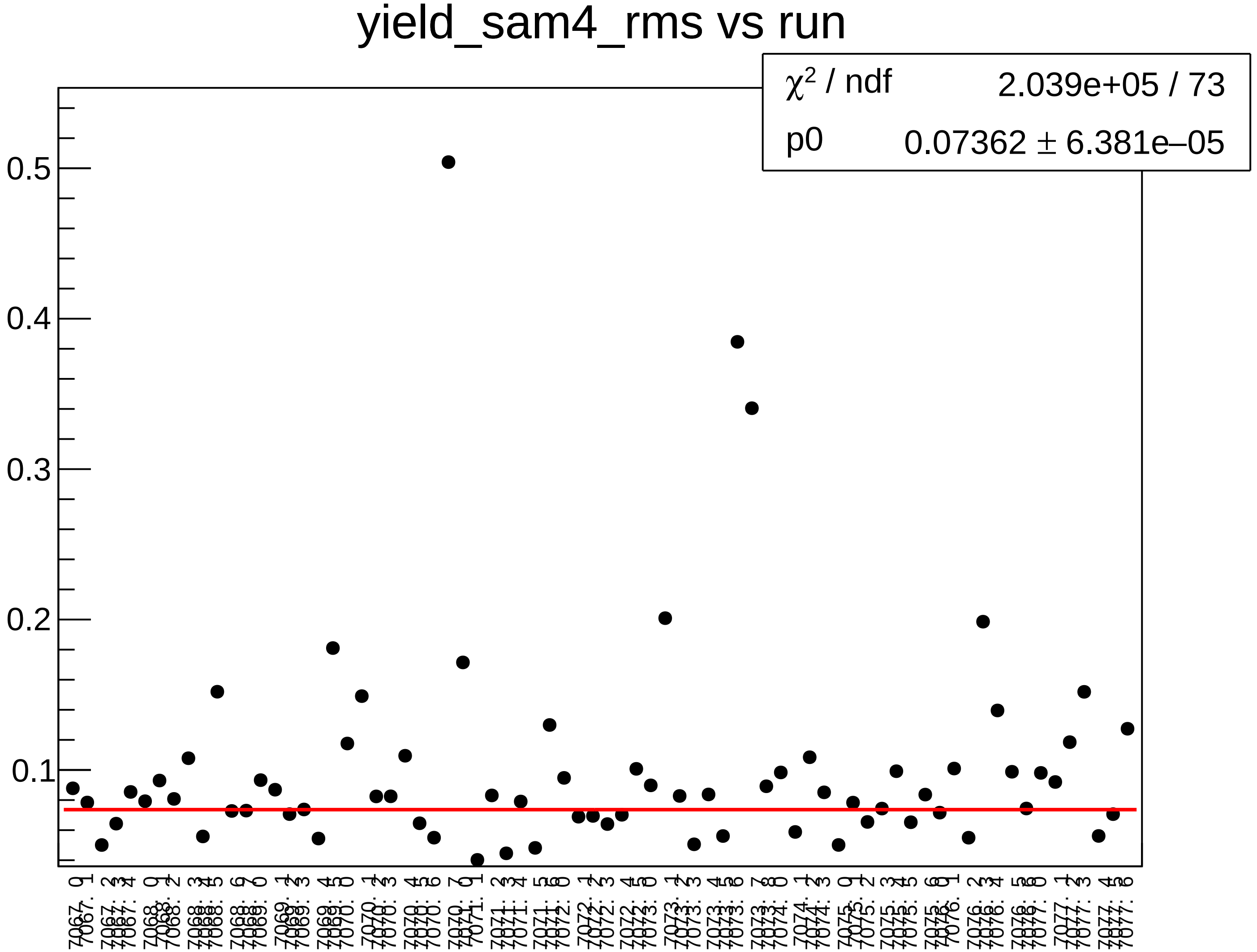


yield_sam3_mean vs run
χ^2 / ndf 1.234e+06 / 73
p0 30.05 ± 9.223e−05
30.2
30.1
30
29.9
29.8
29.7
29.6
29.5
pull
Entries 74
Mean 95.11
Std Dev 52.58
200
100
0
−100
−200
−300
−400
pull1D
Entries 74
Mean −2.636
Std Dev 3.246
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

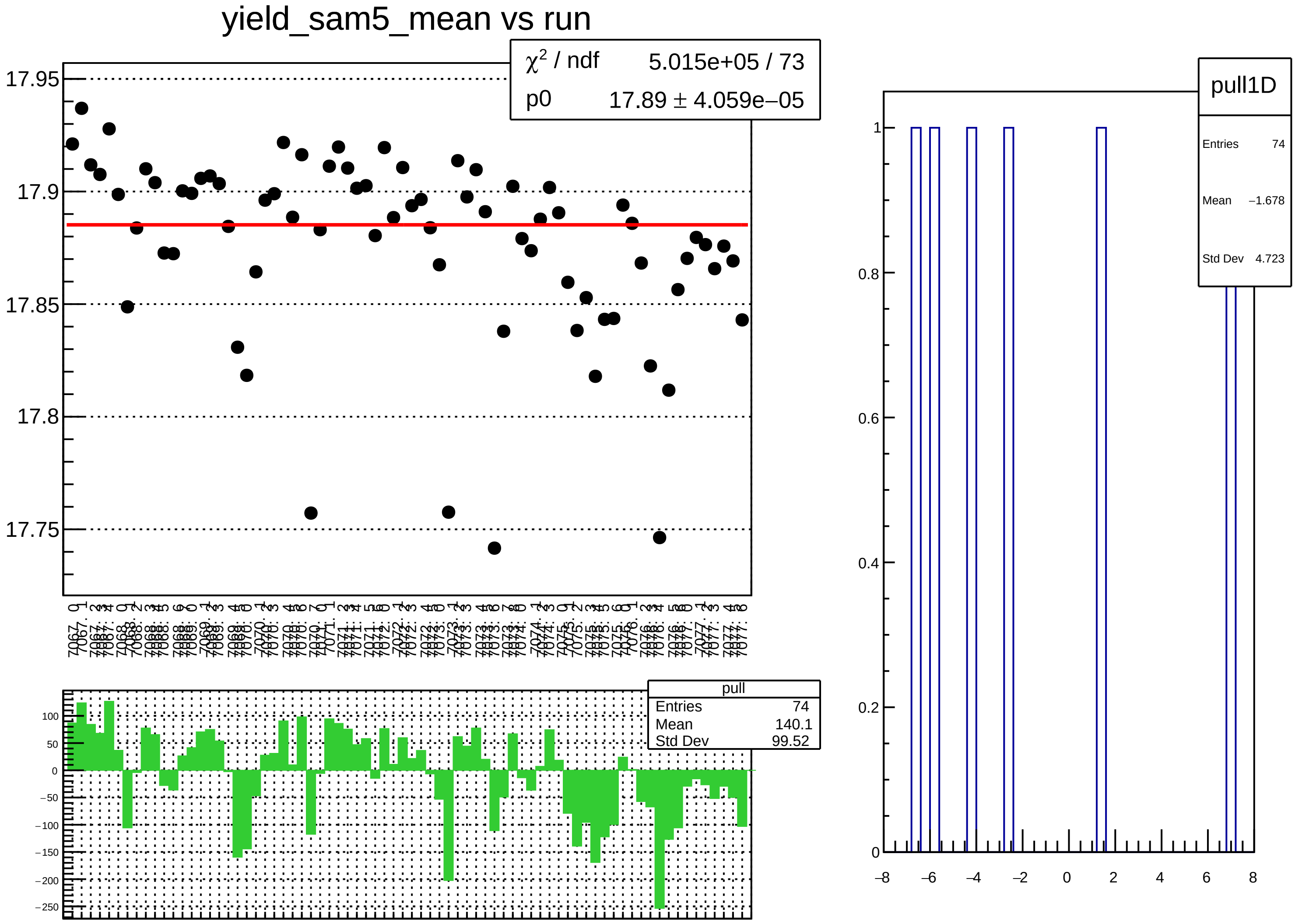

yield_sam3_rms vs run
χ2 / ndf 2.401e+05 / 73
p0 0.07422 ± 6.522e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05



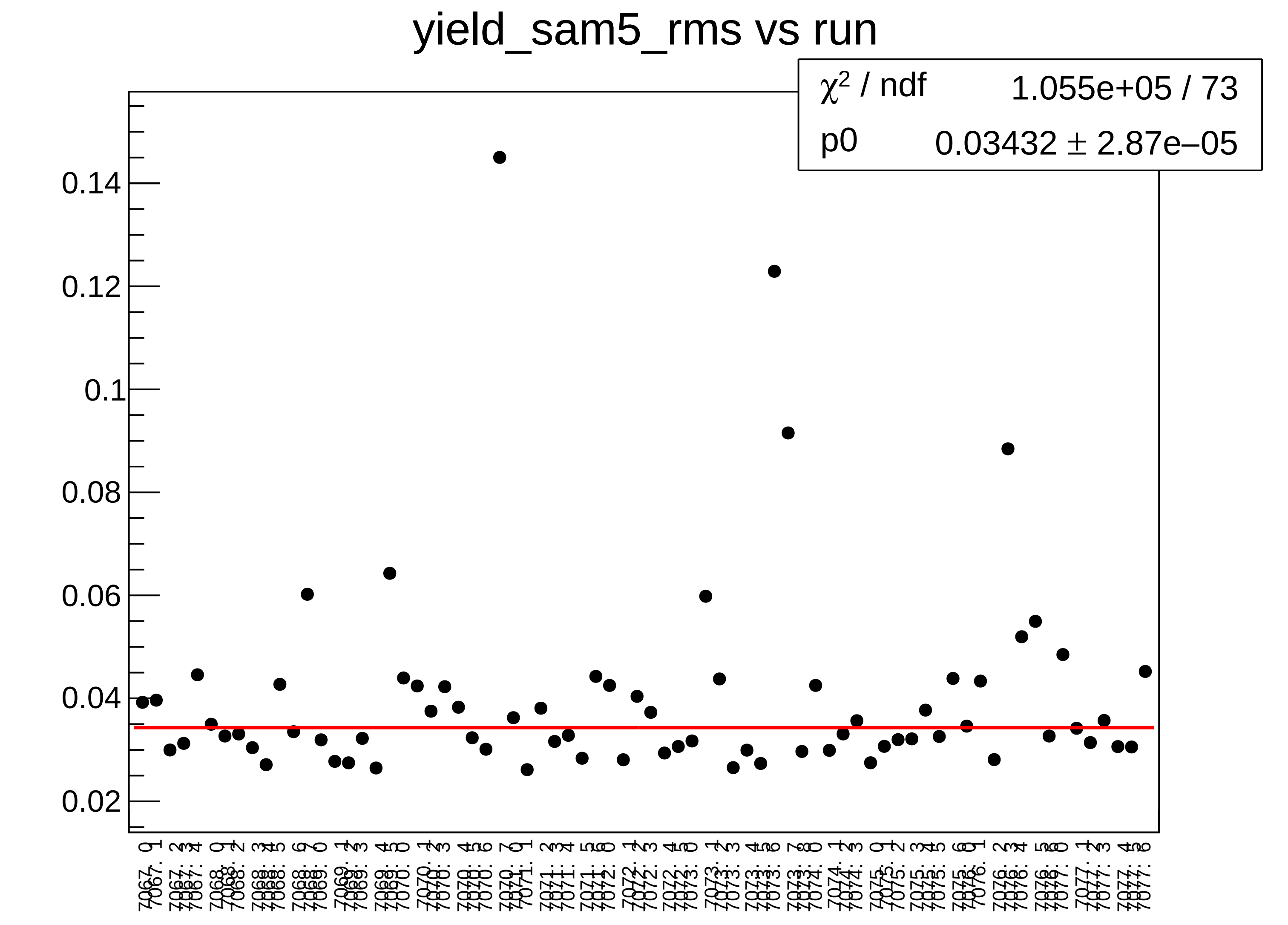
yield_sam4_mean vs run
χ^2 / ndf 1.451e+06 / 73
p0 14.85 ± 9.024e−05
pull
Entries 74
Mean 71.31
Std Dev 21.81
pull1D
Entries 74
Mean −2.822
Std Dev 4.204



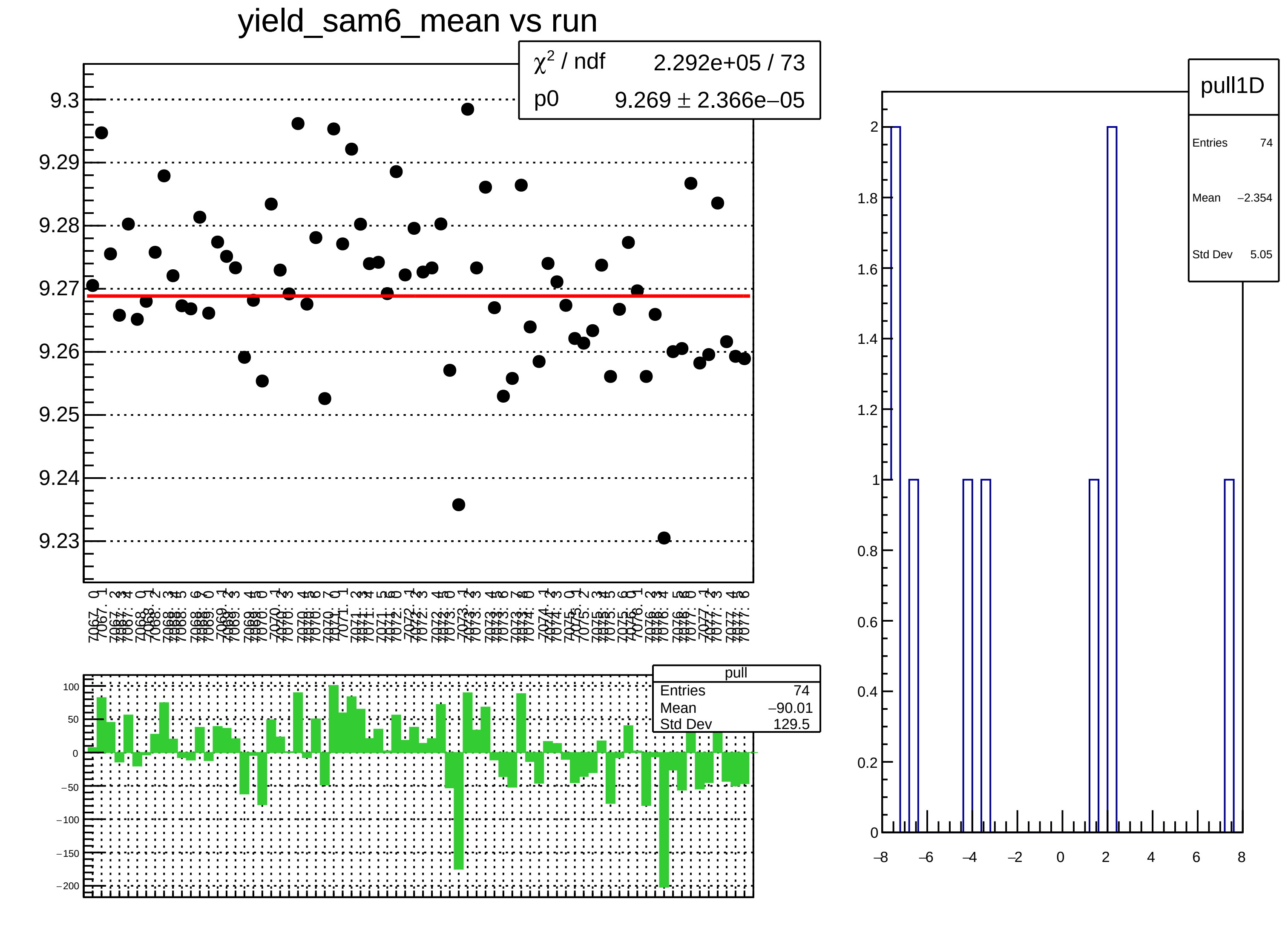
yield_sam4_rms vs run
χ^2 / ndf 2.039e+05 / 73
p0 0.07362 ± 6.381e−05
0.5
0.4
0.3
0.2
0.1



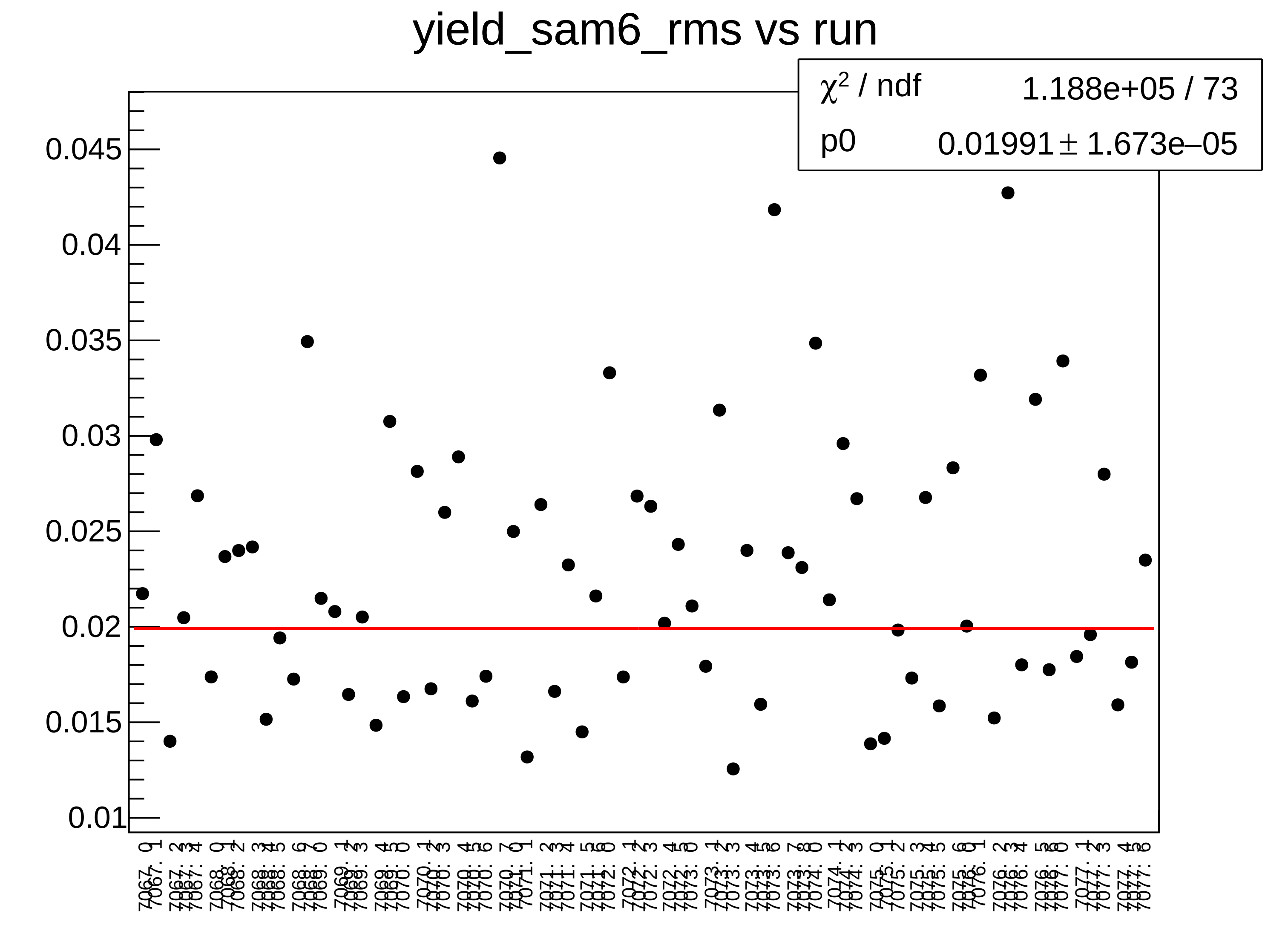
yield_sam5_mean vs run
χ^2 / ndf 5.015e+05 / 73
p0 17.89 ± 4.059e−05
17.95
17.9
17.85
17.8
17.75
pull
Entries 74
Mean 140.1
Std Dev 99.52
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 74
Mean −1.678
Std Dev 4.723
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

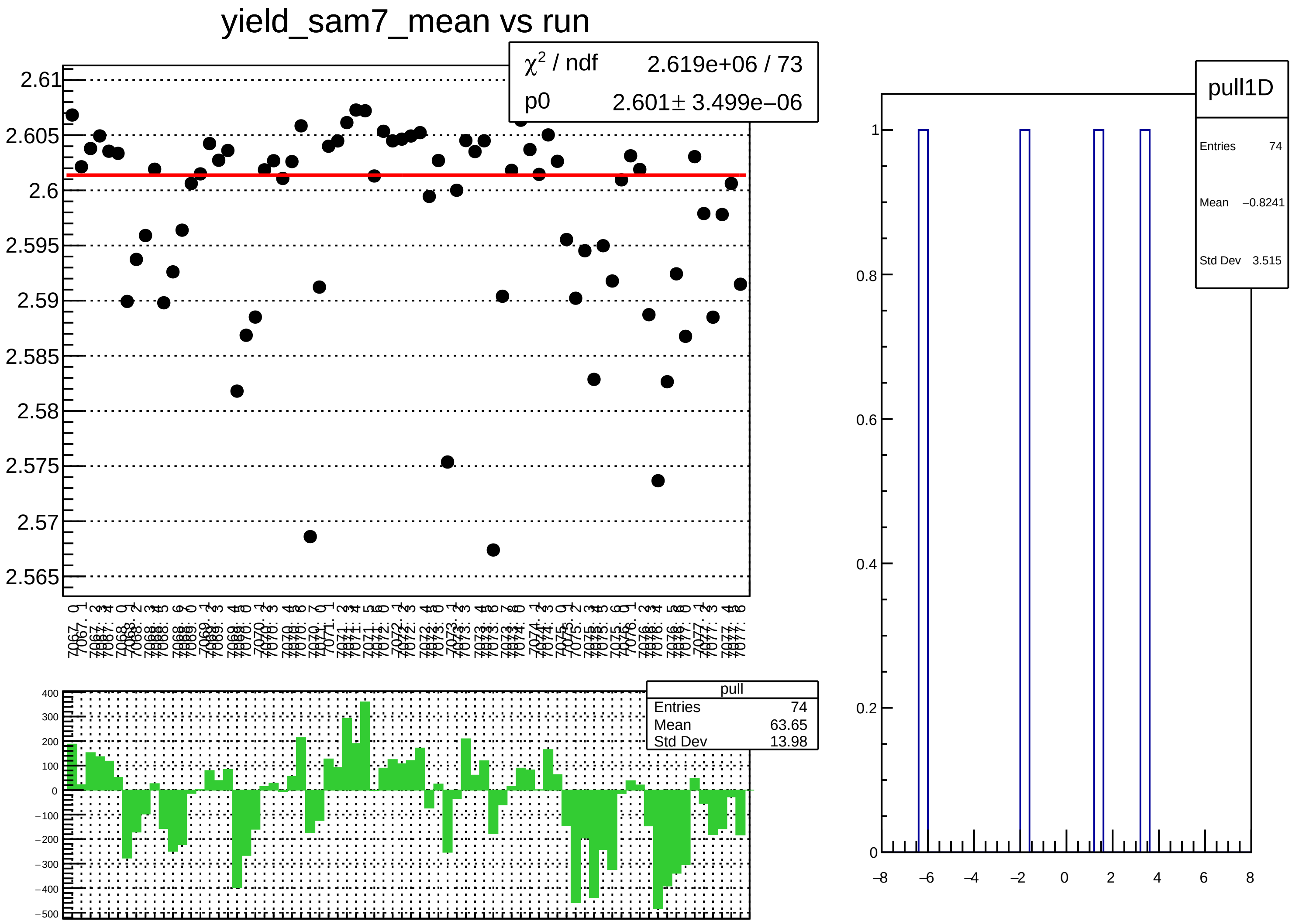


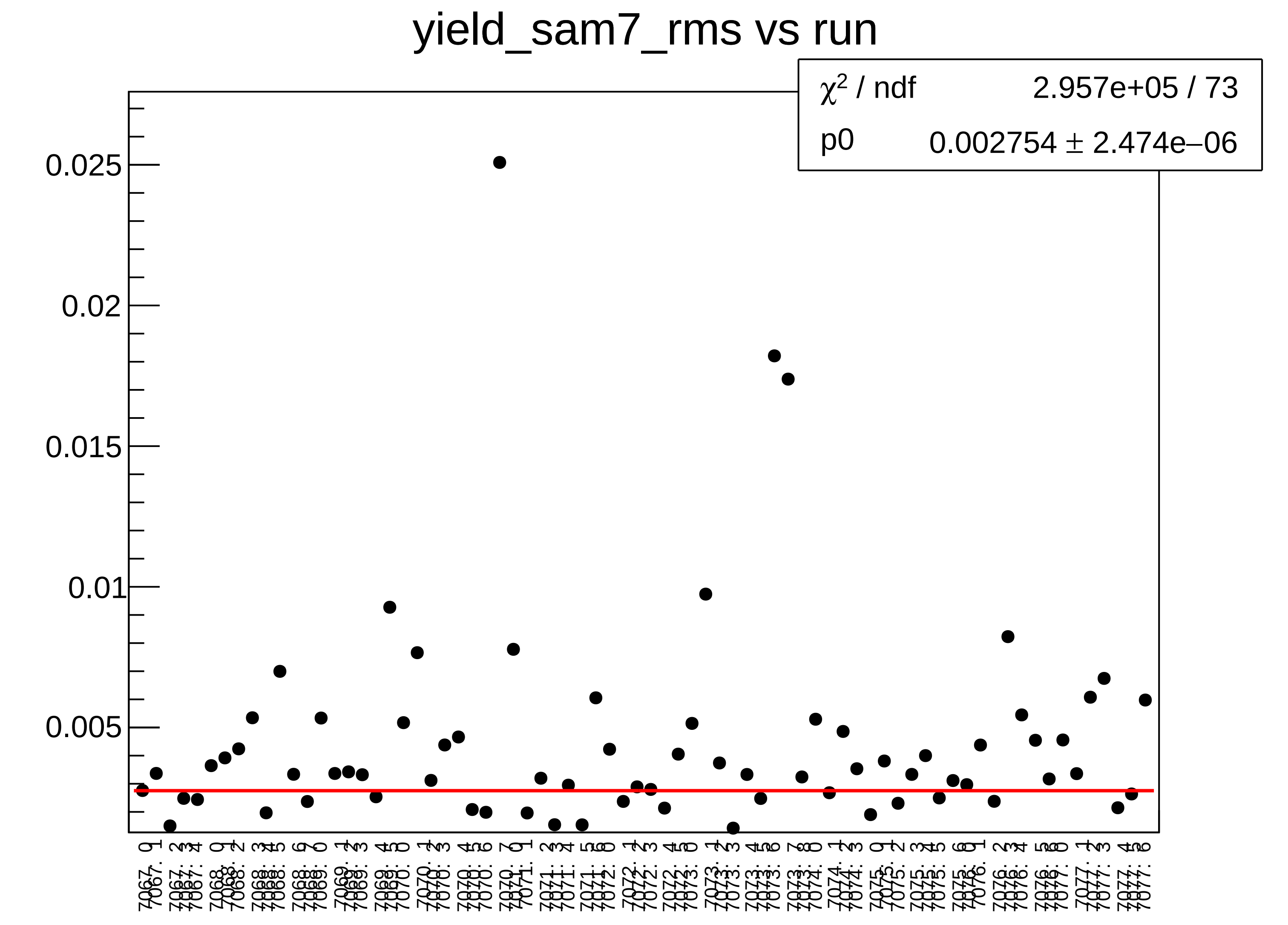
yield_sam5_rms vs run
χ^2 / ndf 1.055e+05 / 73
p0 0.03432 ± 2.87e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02



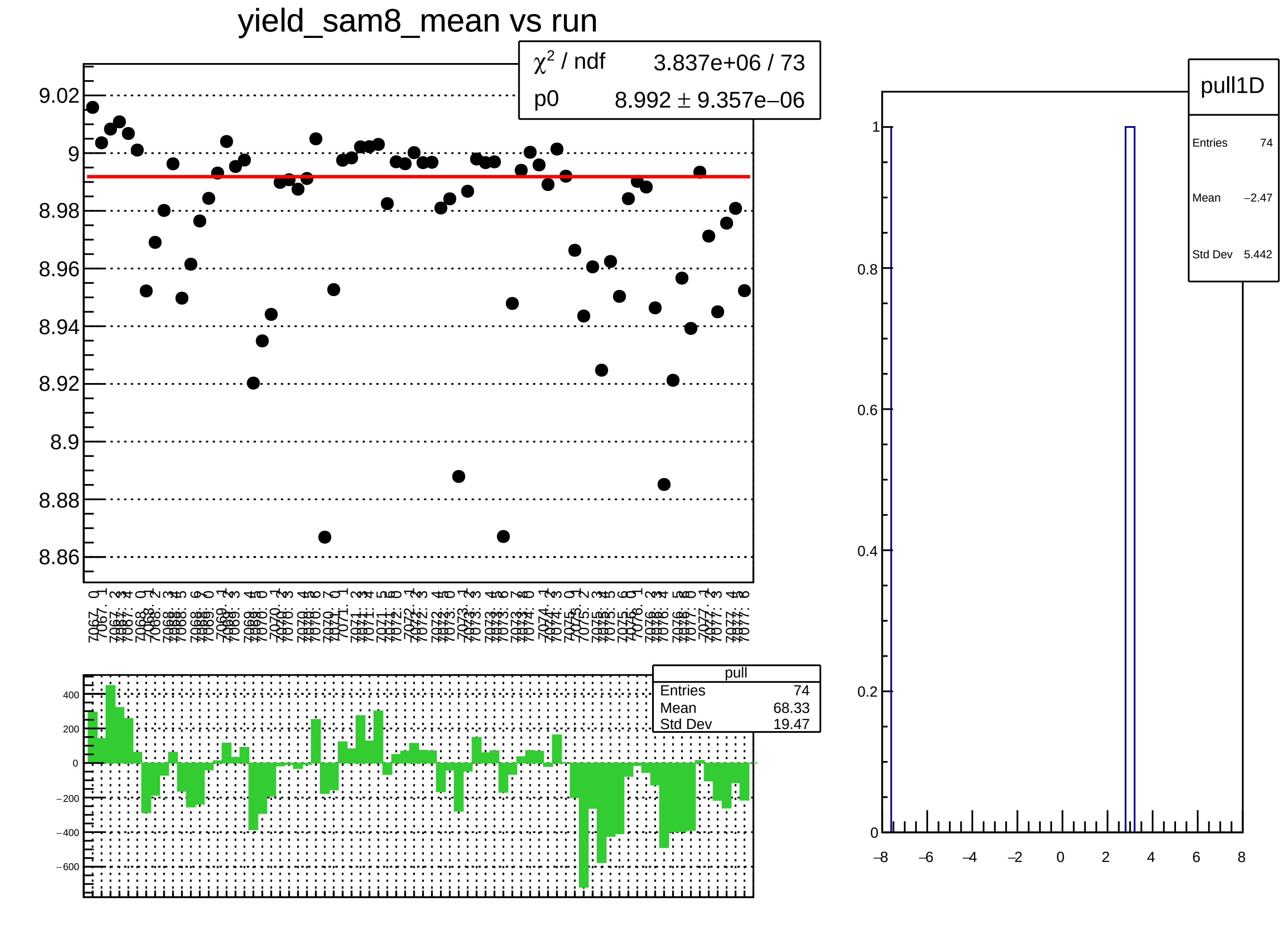
yield_sam6_mean vs run
χ² / ndf 2.292e+05 / 73
p0 9.269 ± 2.366e−05
pull
Entries 74
Mean −90.01
Std Dev 129.5
pull1D
Entries 74
Mean −2.354
Std Dev 5.05


yield_sam6_rms vs run
χ^2 / ndf 1.188e+05 / 73
p0 0.01991 ± 1.673e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

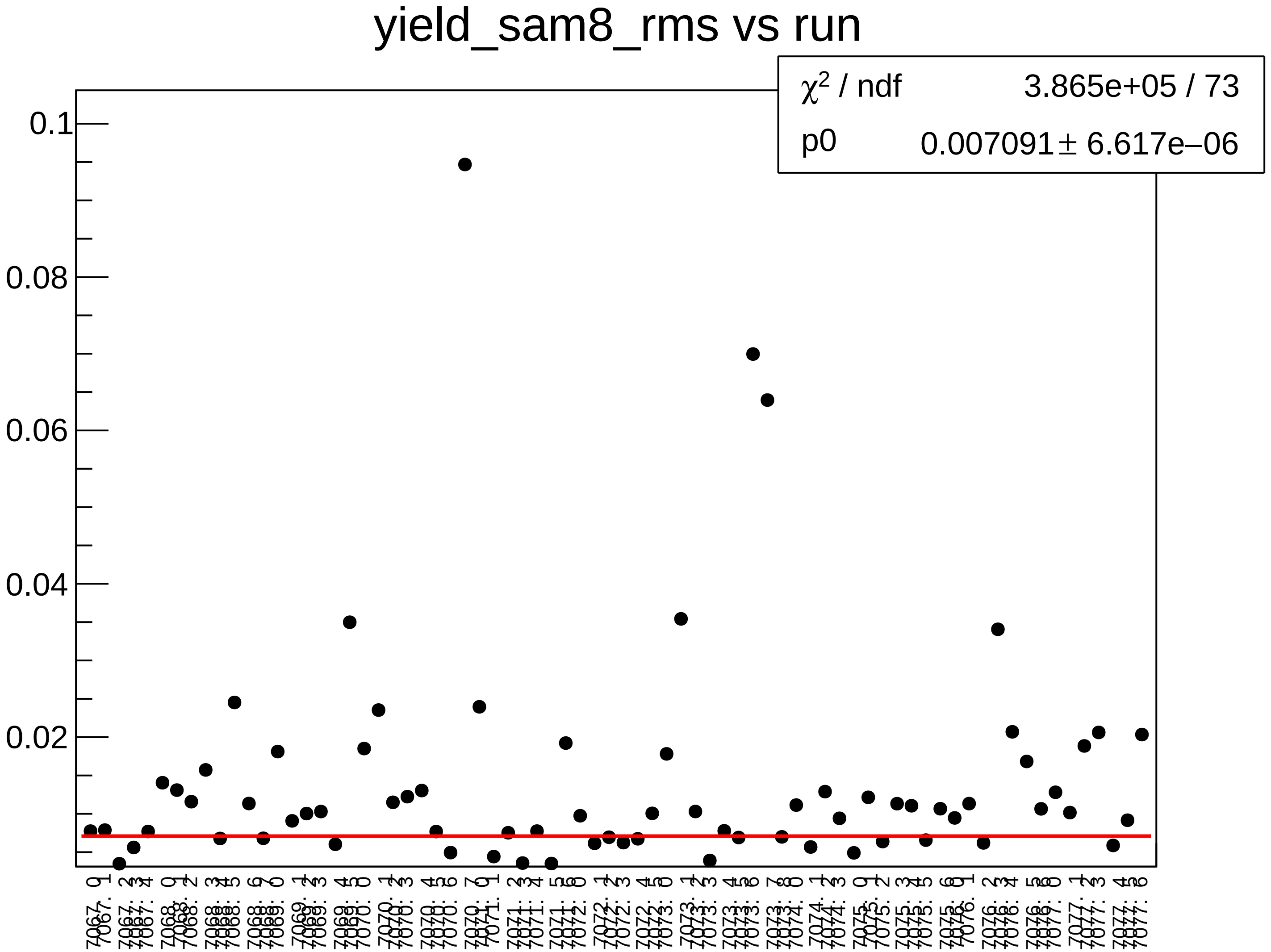

yield_sam7_mean vs run
χ² / ndf 2.619e+06 / 73
p0 2.601± 3.499e−06
pull
Entries 74
Mean 63.65
Std Dev 13.98
pull1D
Entries 74
Mean −0.8241
Std Dev 3.515



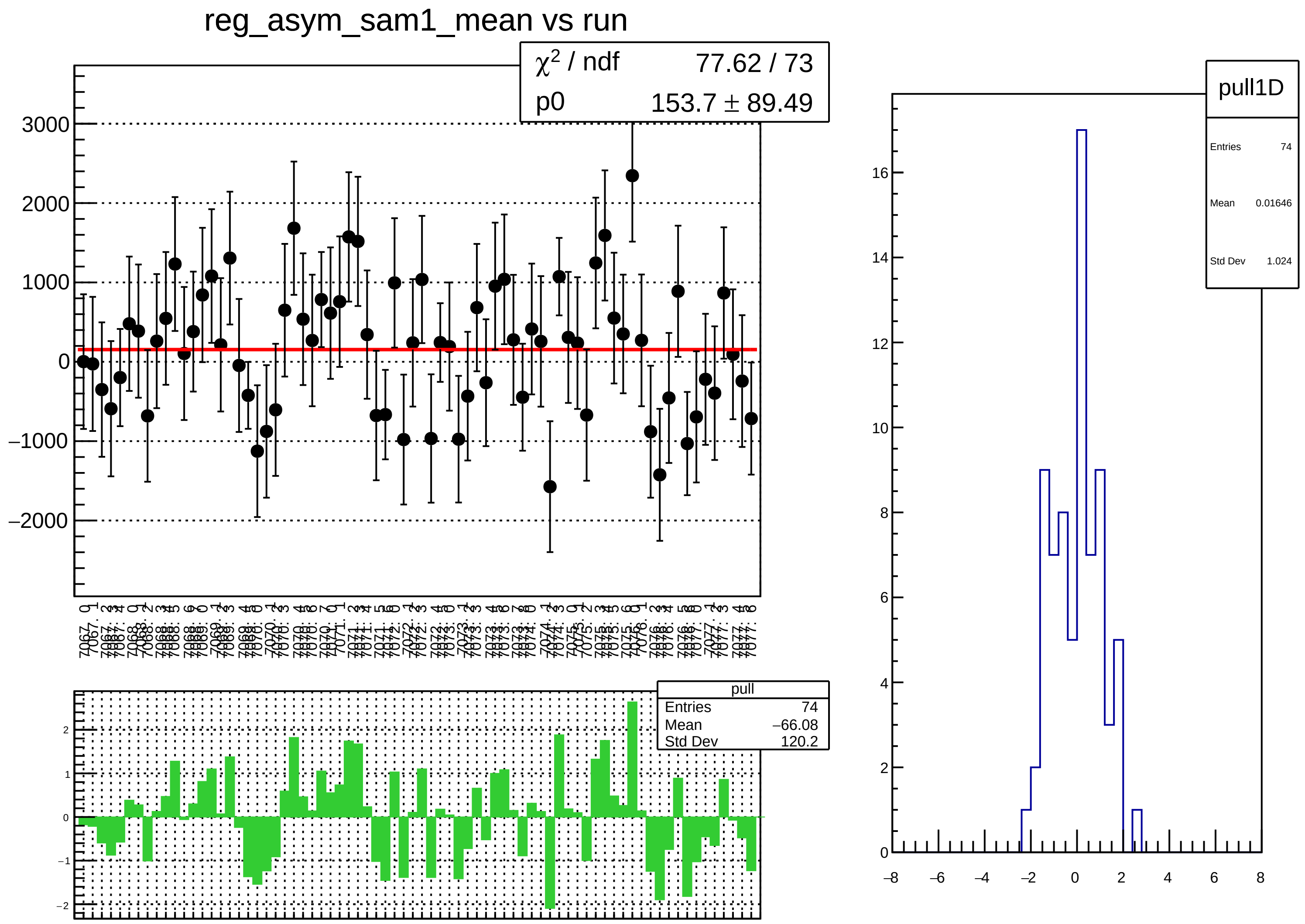
yield_sam7_rms vs run
χ2 / ndf 2.957e+05 / 73
p0 0.002754 ± 2.474e−06
0.025
0.02
0.015
0.01
0.005



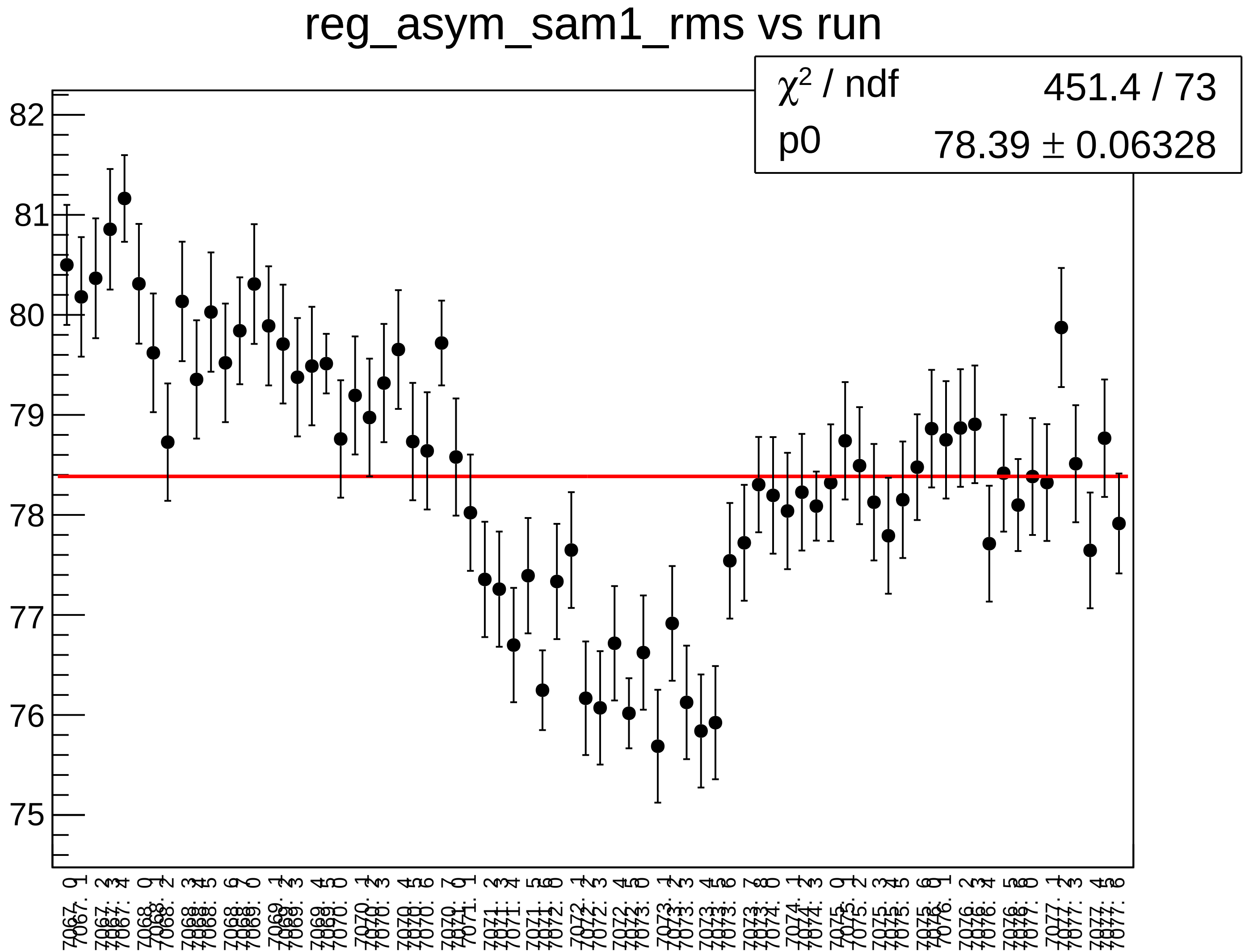
yield_sam8_mean vs run
χ² / ndf 3.837e+06 / 73
p0 8.992 ± 9.357e−06
pull
Entries 74
Mean 68.33
Std Dev 19.47
pull1D
Entries 74
Mean −2.47
Std Dev 5.442



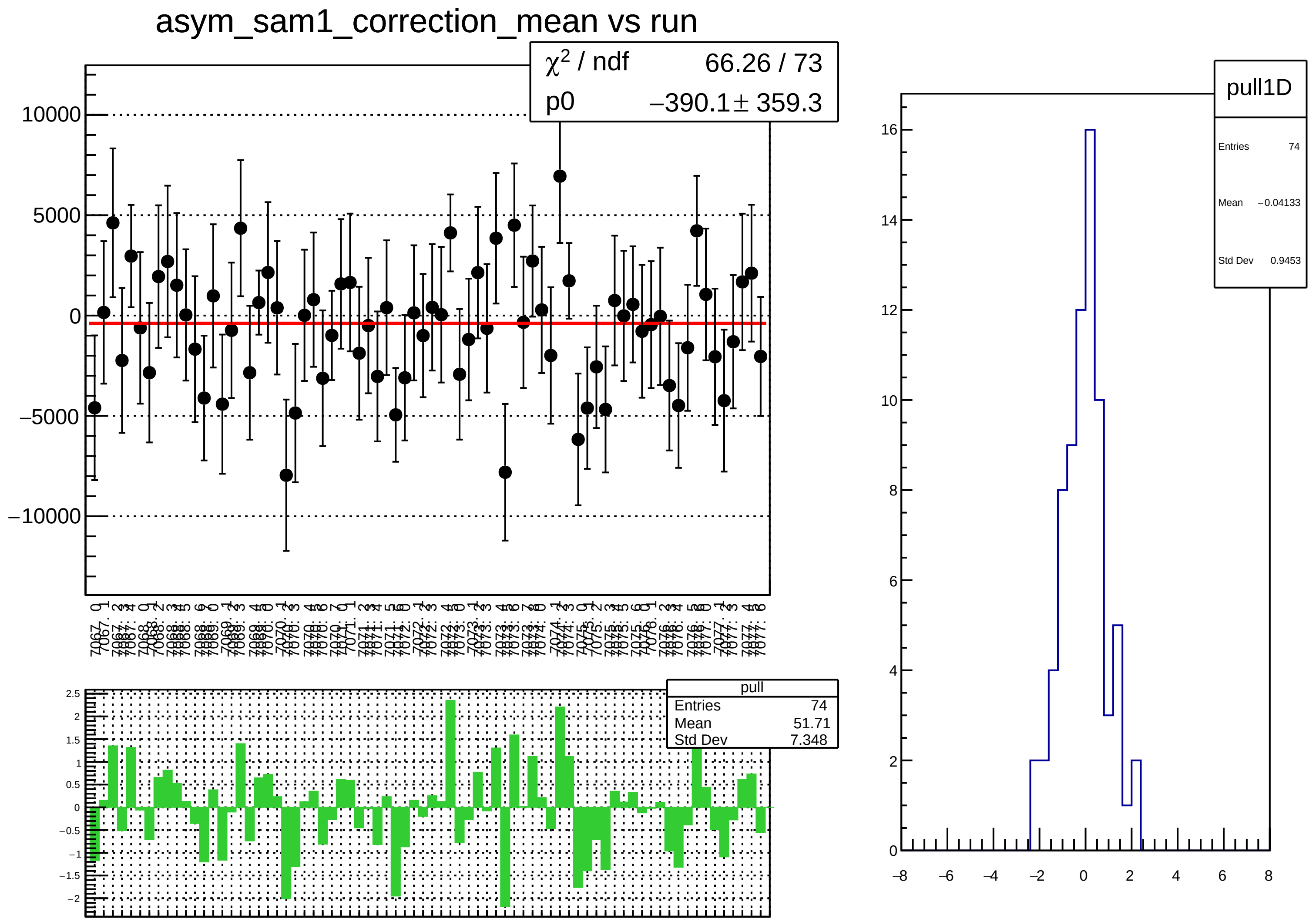
yield_sam8_rms vs run
χ^2 / ndf 3.865e+05 / 73
p0 0.007091 ± 6.617e−06
0.1
0.08
0.06
0.04
0.02

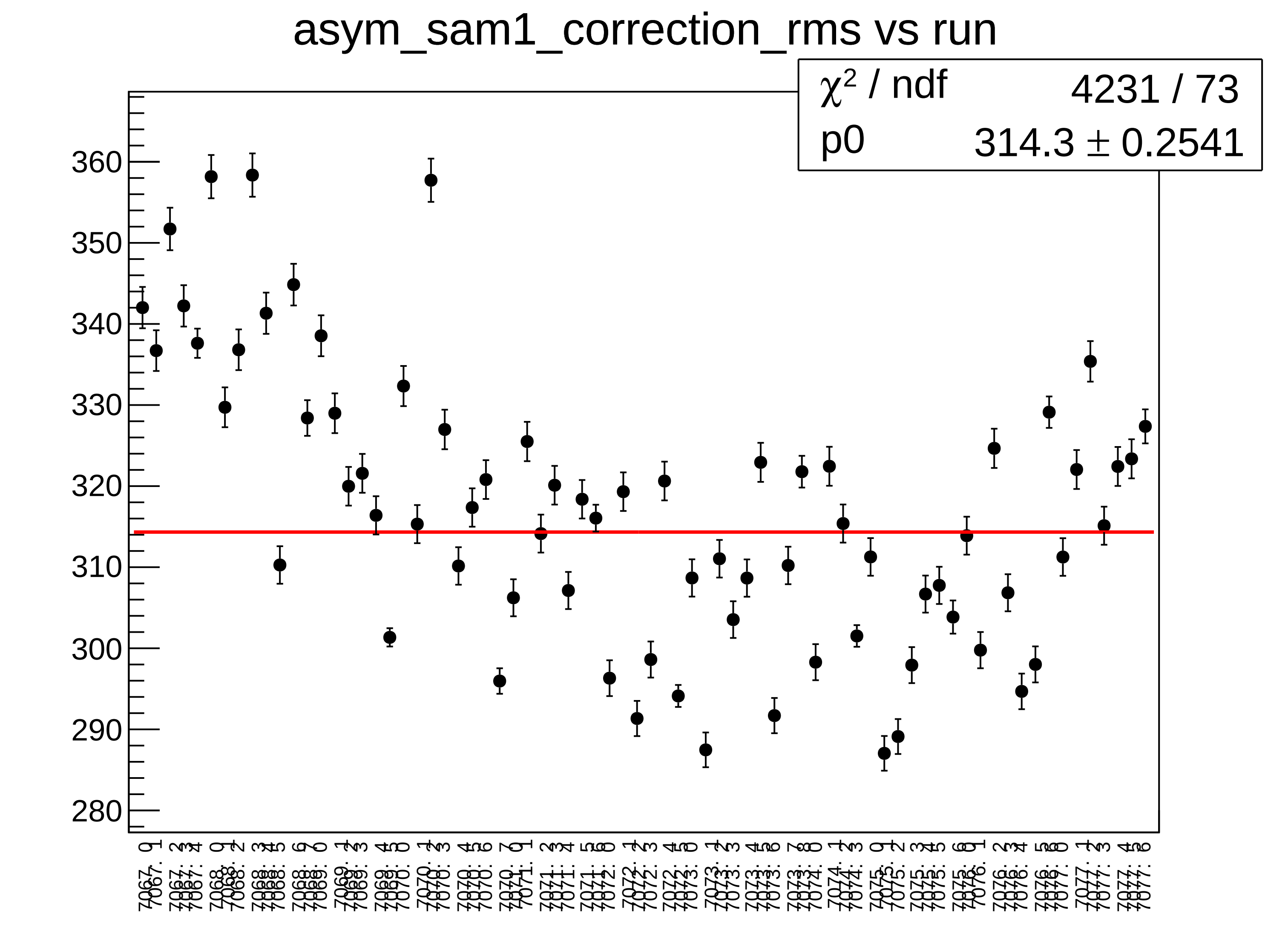


reg_asym_sam1_mean vs run
χ^2 / ndf 77.62 / 73
p0 153.7 ± 89.49
pull
Entries 74
Mean −66.08
Std Dev 120.2
pull1D
Entries 74
Mean 0.01646
Std Dev 1.024

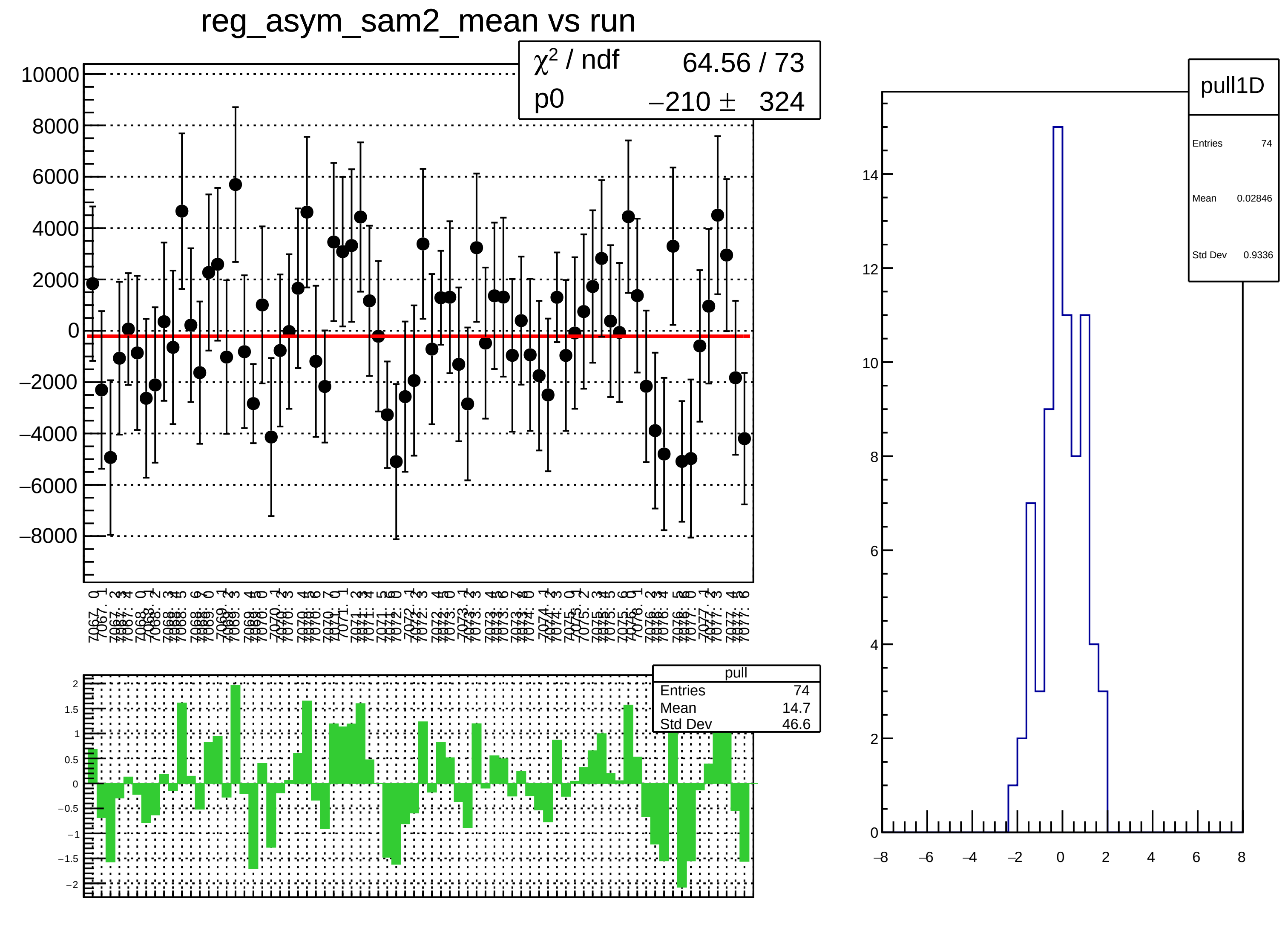


reg_asym_sam1_rms vs run
χ^2 / ndf 451.4 / 73
p0 78.39 ± 0.06328
82
81
80
79
78
77
76
75

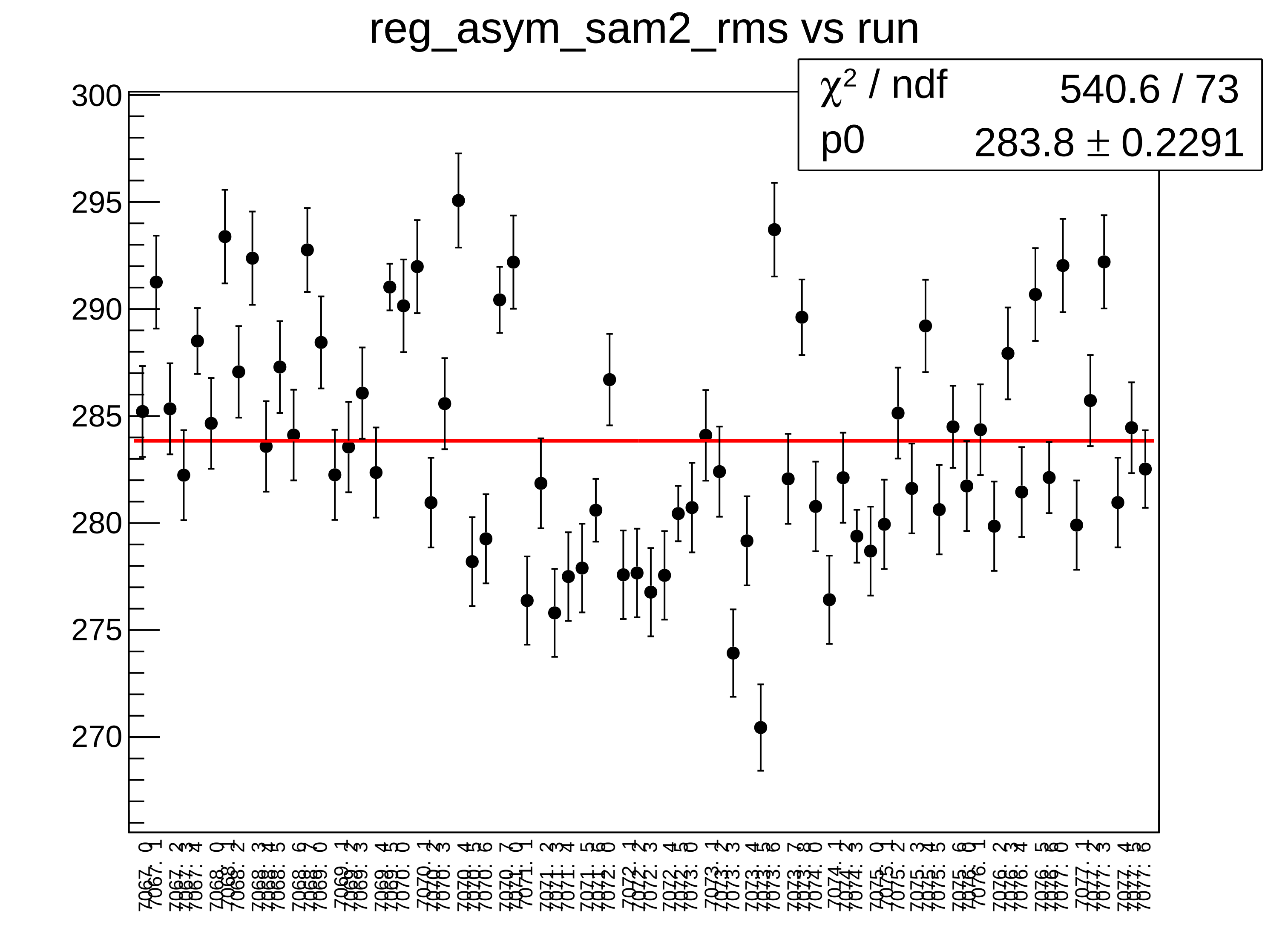

asym_sam1_correction_mean vs run
χ^2 / ndf 66.26 / 73
p0 −390.1 ± 359.3
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 51.71
Std Dev 7.348
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean −0.04133
Std Dev 0.9453
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



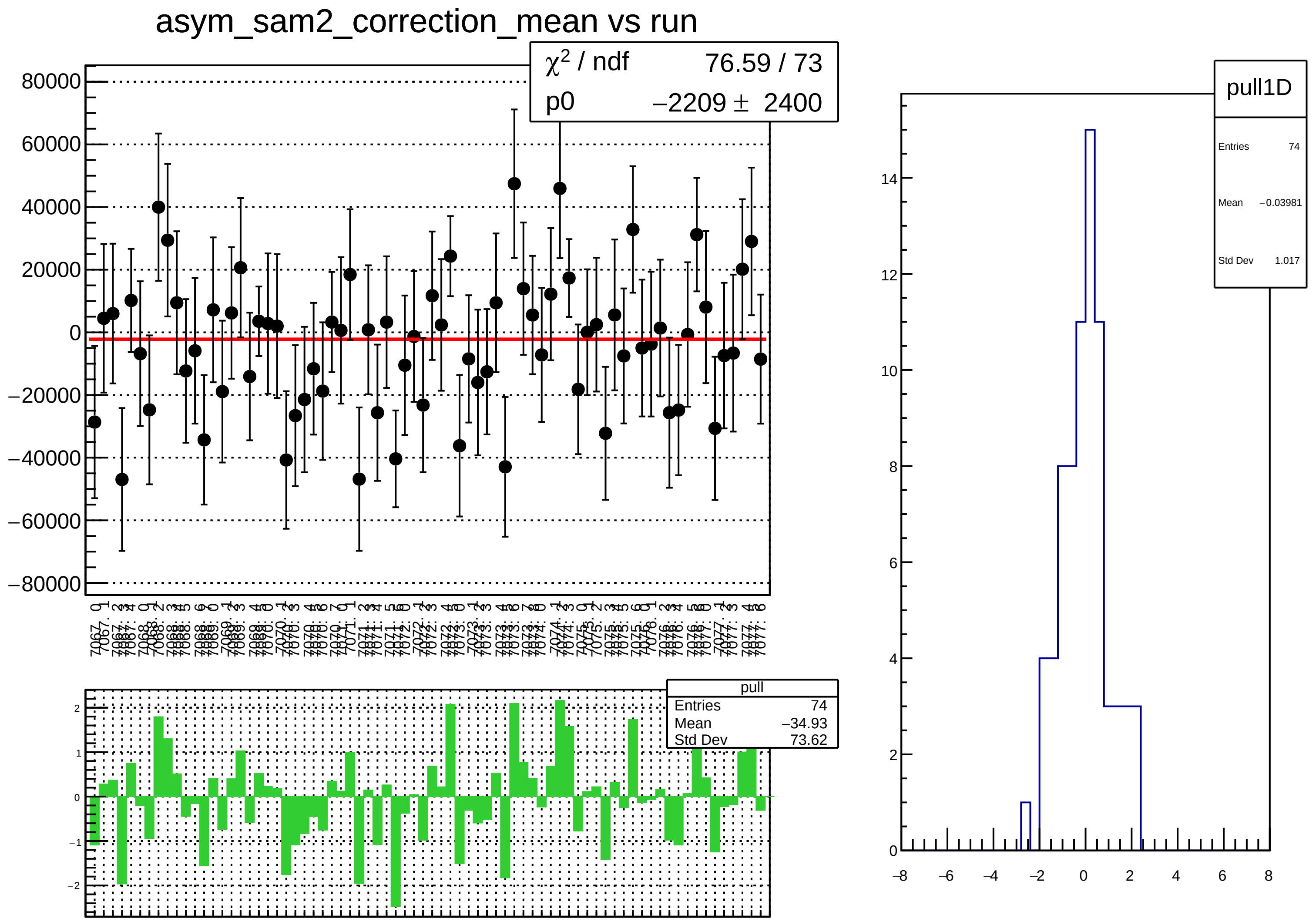
asym_sam1_correction_rms vs run
χ2 / ndf 4231 / 73
p0 314.3 ± 0.2541
360
350
340
330
320
310
300
290
280



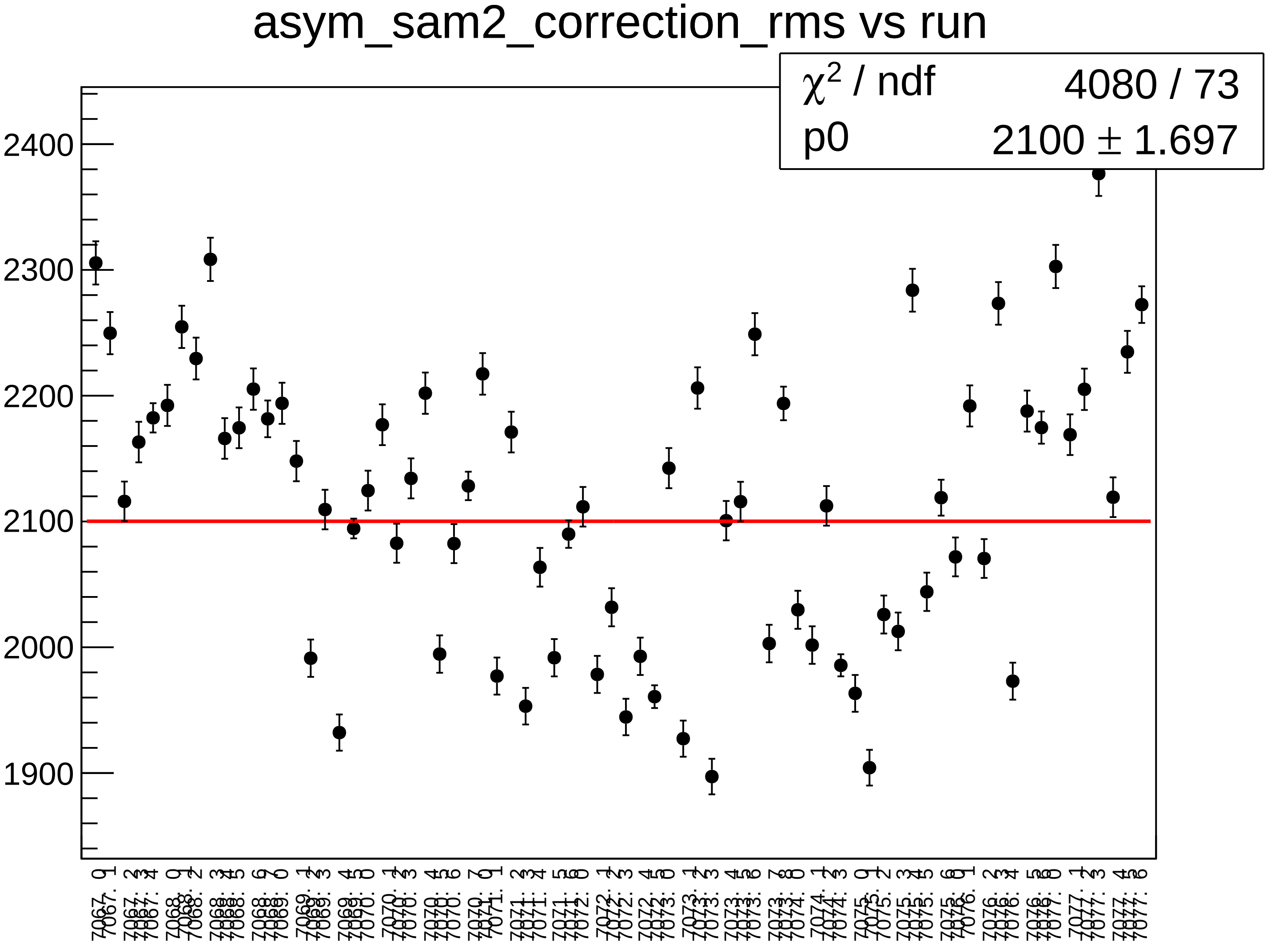
reg_asym_sam2_mean vs run
χ^2 / ndf 64.56 / 73
p0 −210 ± 324
pull
Entries 74
Mean 14.7
Std Dev 46.6
pull1D
Entries 74
Mean 0.02846
Std Dev 0.9336



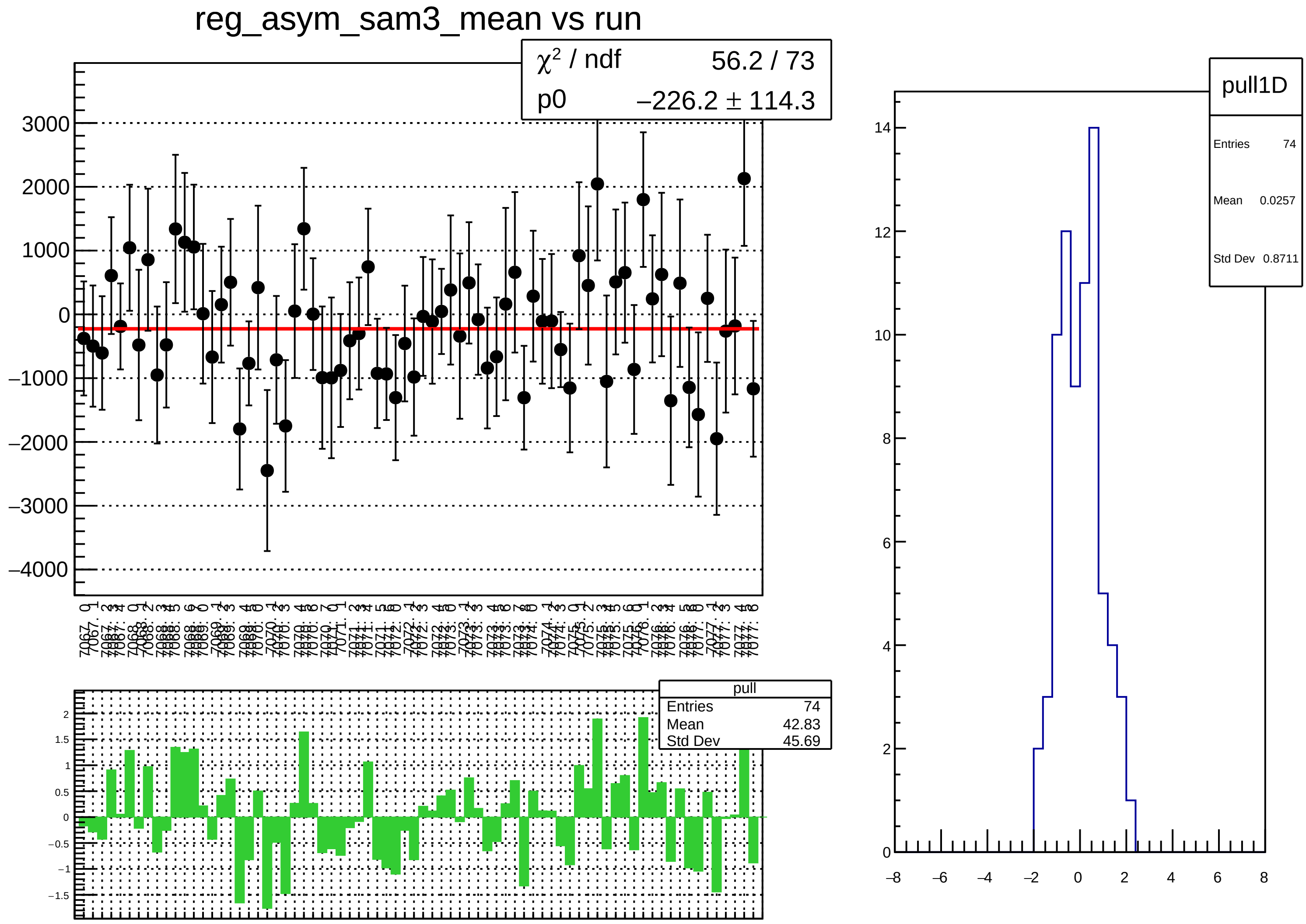
reg_asym_sam2_rms vs run
χ2 / ndf 540.6 / 73
p0 283.8 ± 0.2291
300
295
290
285
280
275
270



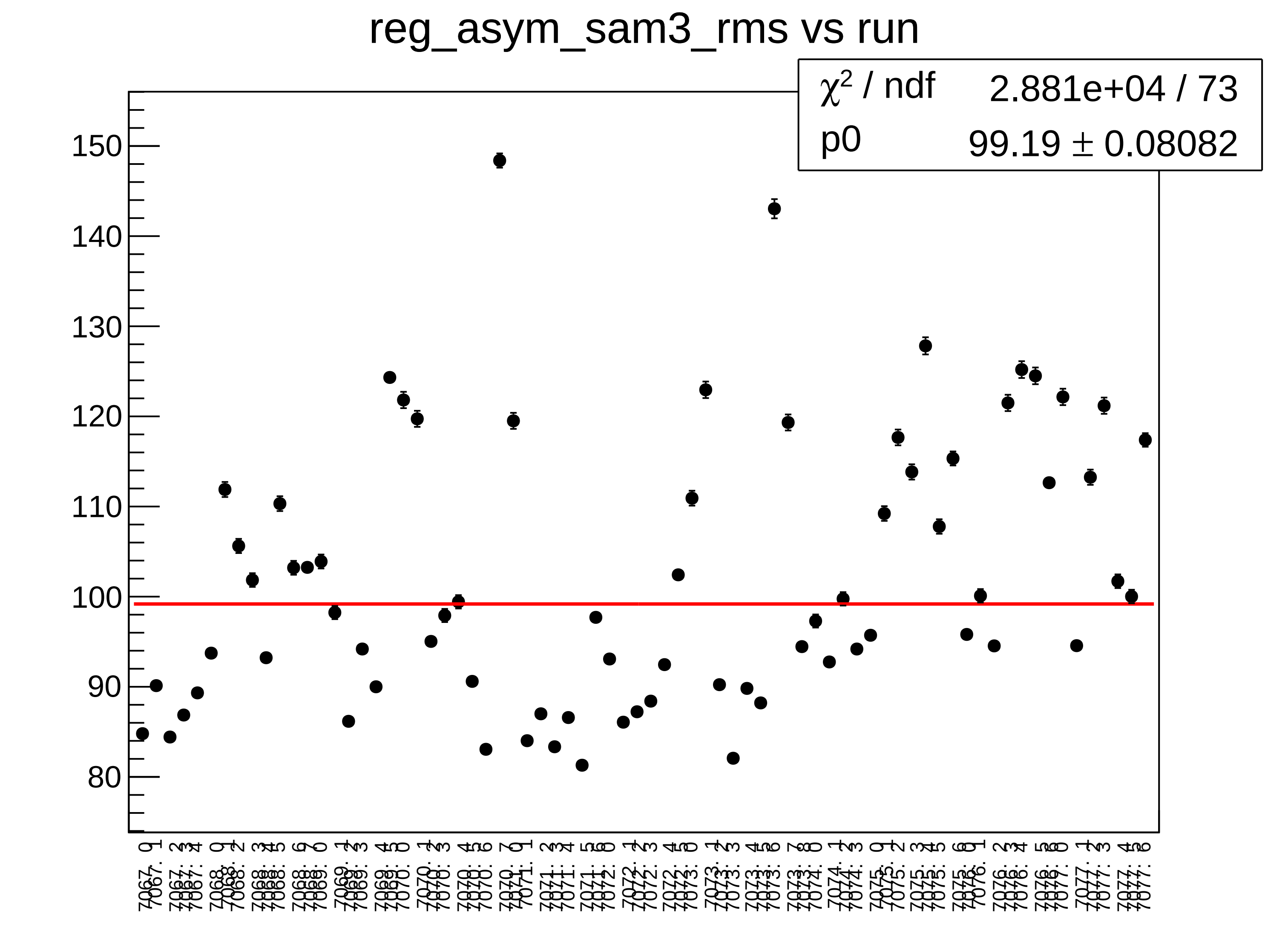
asym_sam2_correction_mean vs run
χ^2 / ndf 76.59 / 73
p0 −2209 ± 2400
pull
Entries 74
Mean −34.93
Std Dev 73.62
pull1D
Entries 74
Mean −0.03981
Std Dev 1.017



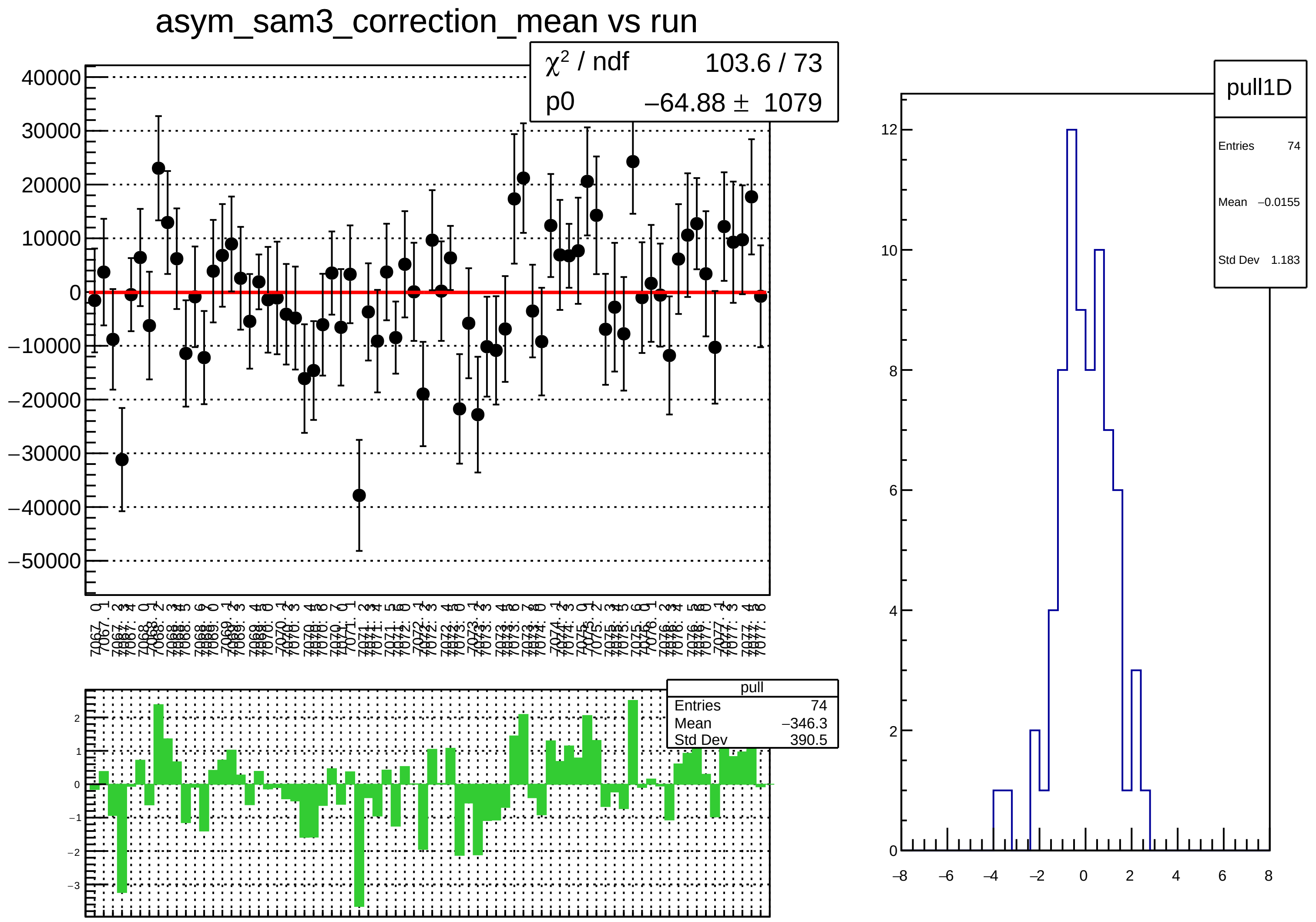
asym_sam2_correction_rms vs run
χ^2 / ndf 4080 / 73
p0 2100 ± 1.697
2400
2300
2200
2100
2000
1900



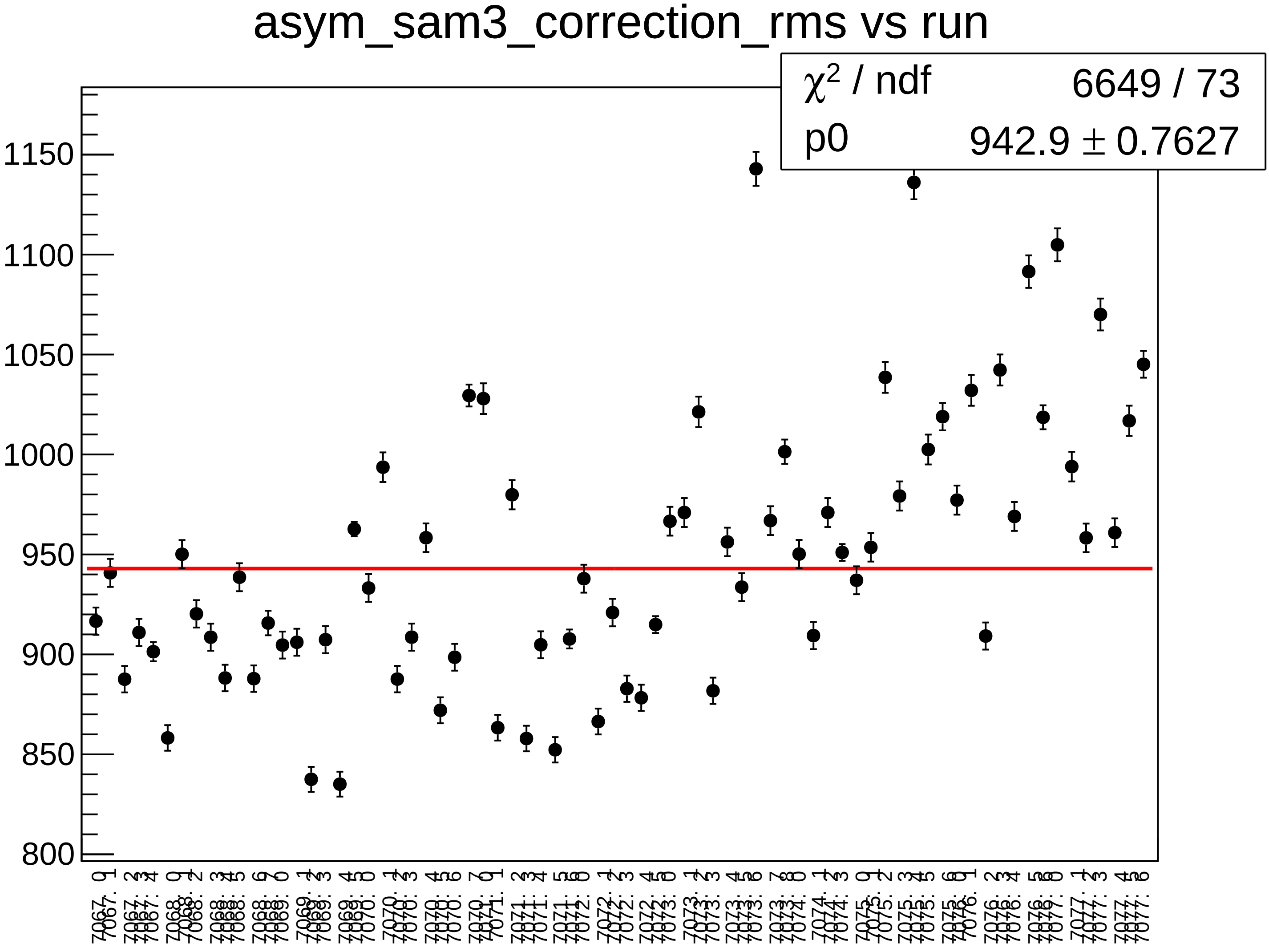
reg_asym_sam3_mean vs run
χ^2 / ndf 56.2 / 73
p0 −226.2 ± 114.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 74
Mean 42.83
Std Dev 45.69
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 74
Mean 0.0257
Std Dev 0.8711
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

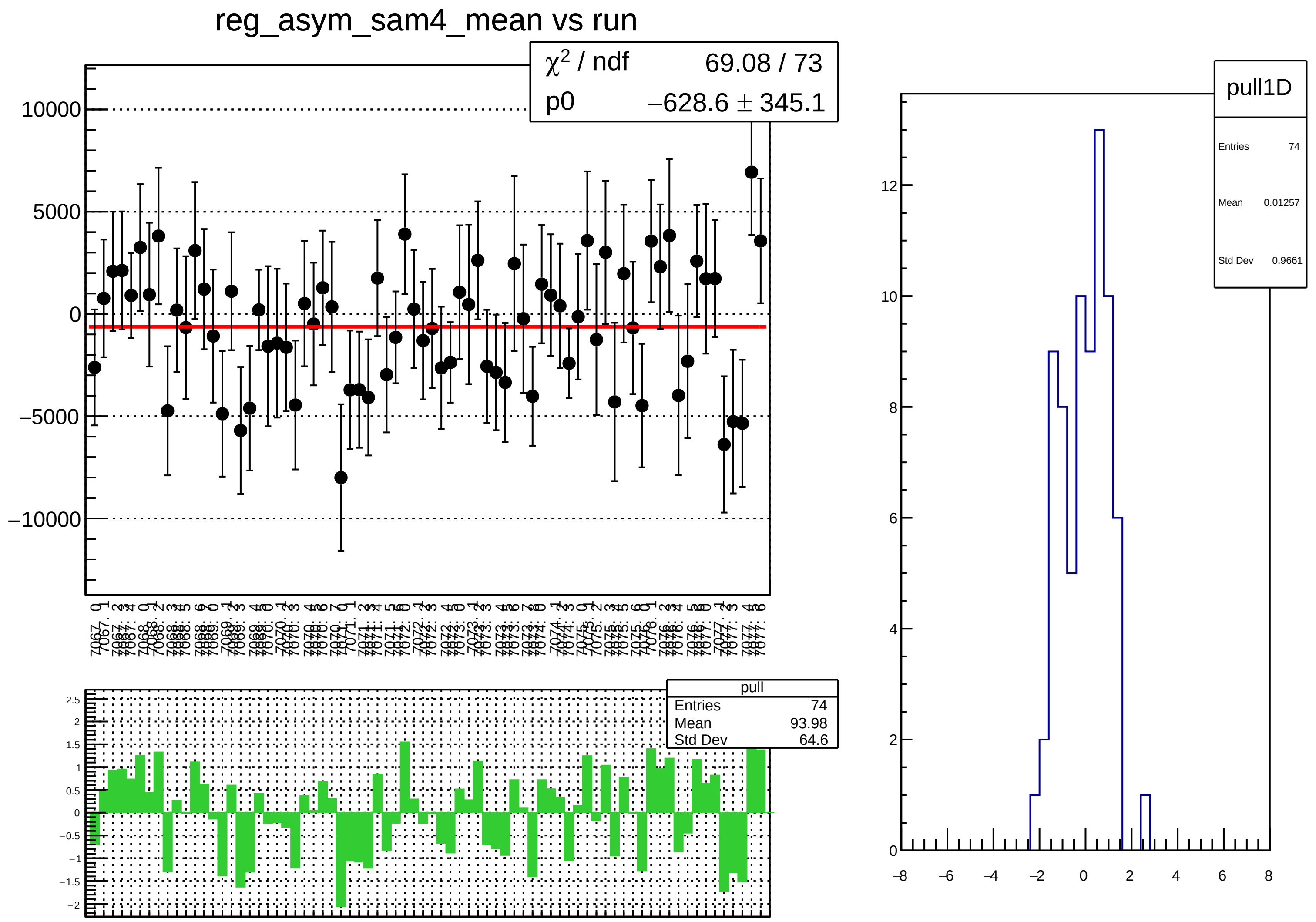


reg_asym_sam3_rms vs run
χ^2 / ndf 2.881e+04 / 73
p0 99.19 ± 0.08082
150
140
130
120
110
100
90
80

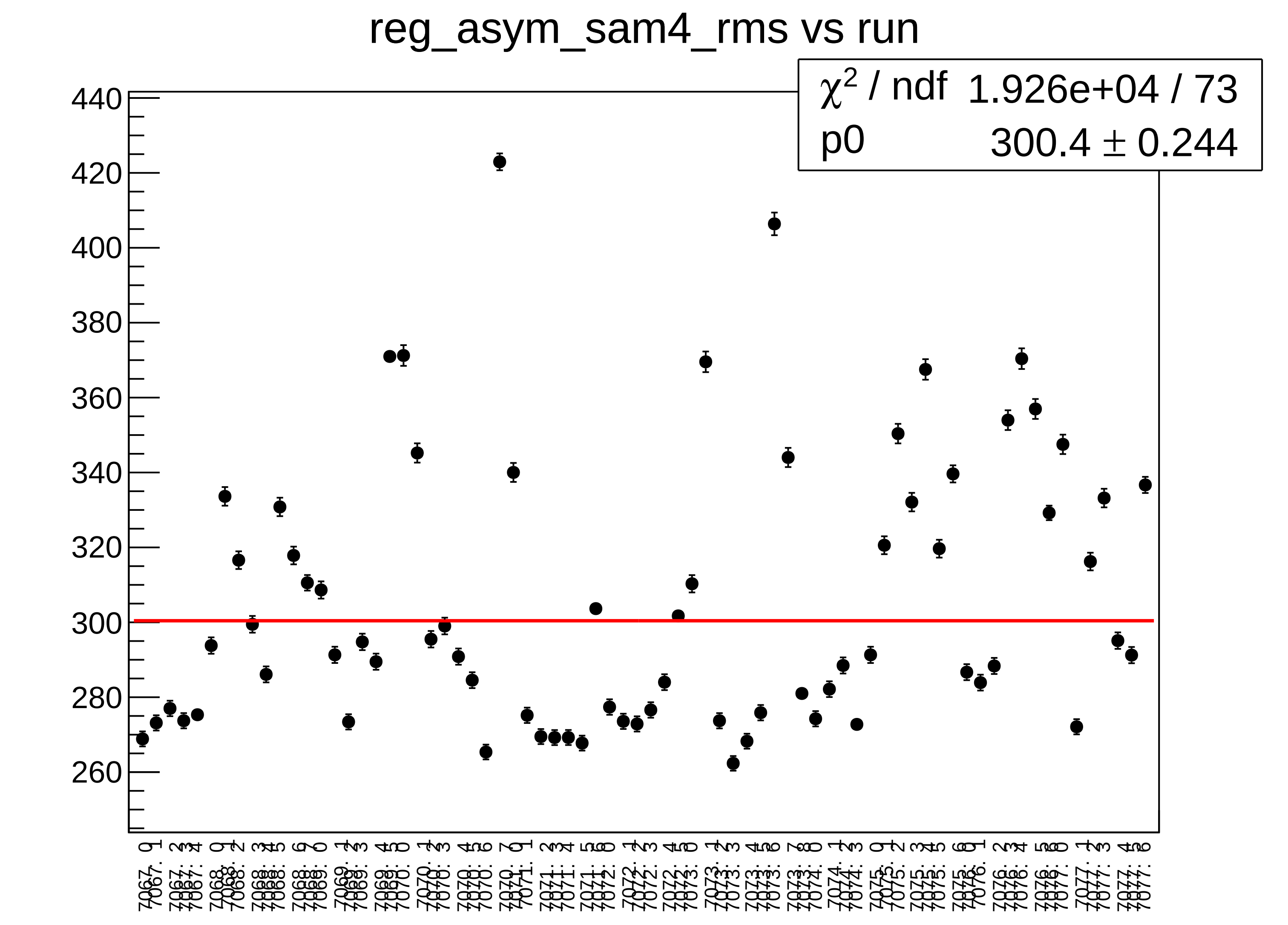


asym_sam3_correction_mean vs run
χ^2 / ndf 103.6 / 73
p0 −64.88 ± 1079
pull
Entries 74
Mean −346.3
Std Dev 390.5
pull1D
Entries 74
Mean −0.0155
Std Dev 1.183

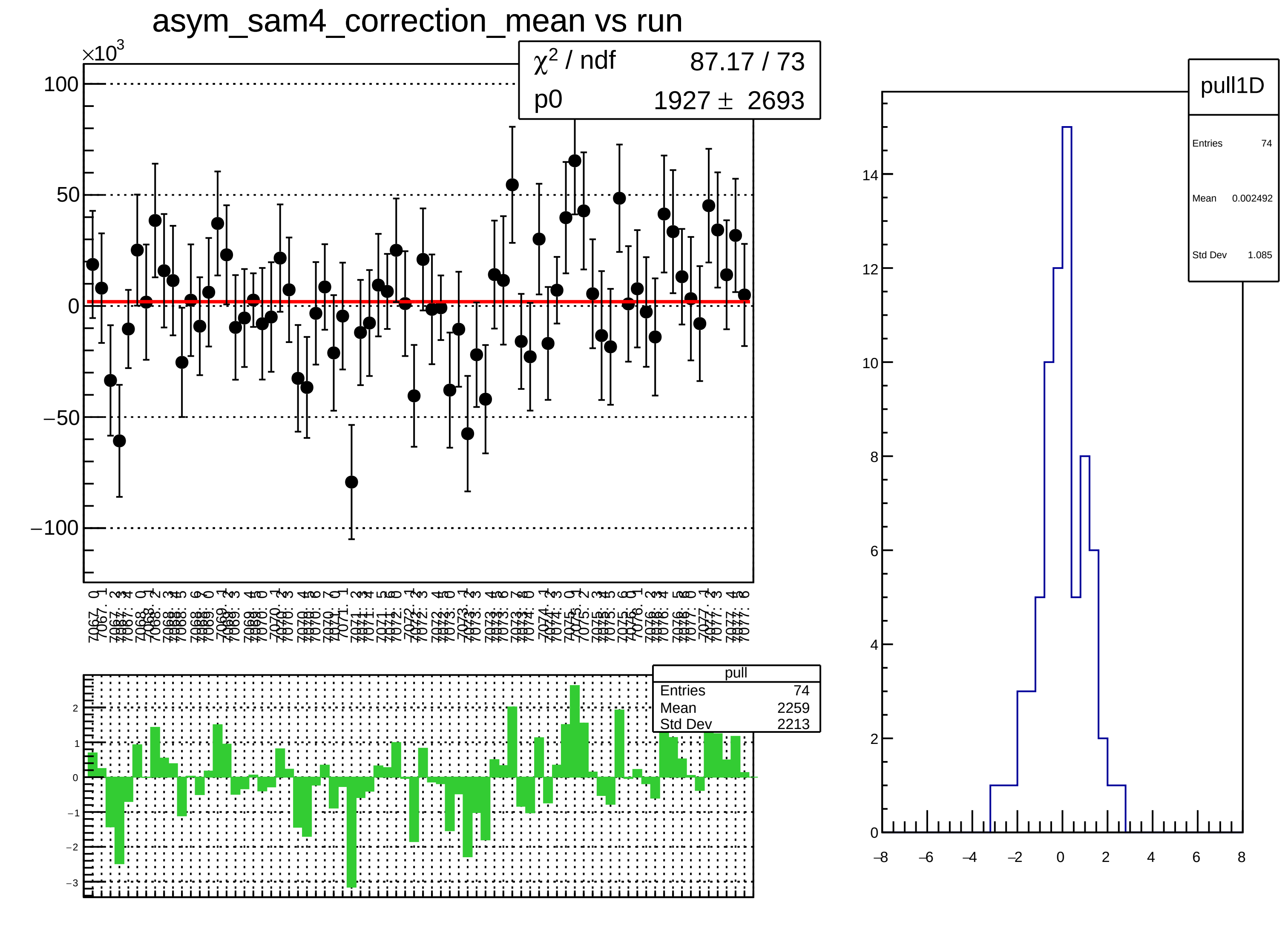

asym_sam3_correction_rms vs run
χ2 / ndf 6649 / 73
p0 942.9 ± 0.7627
1150
1100
1050
1000
950
900
850
800



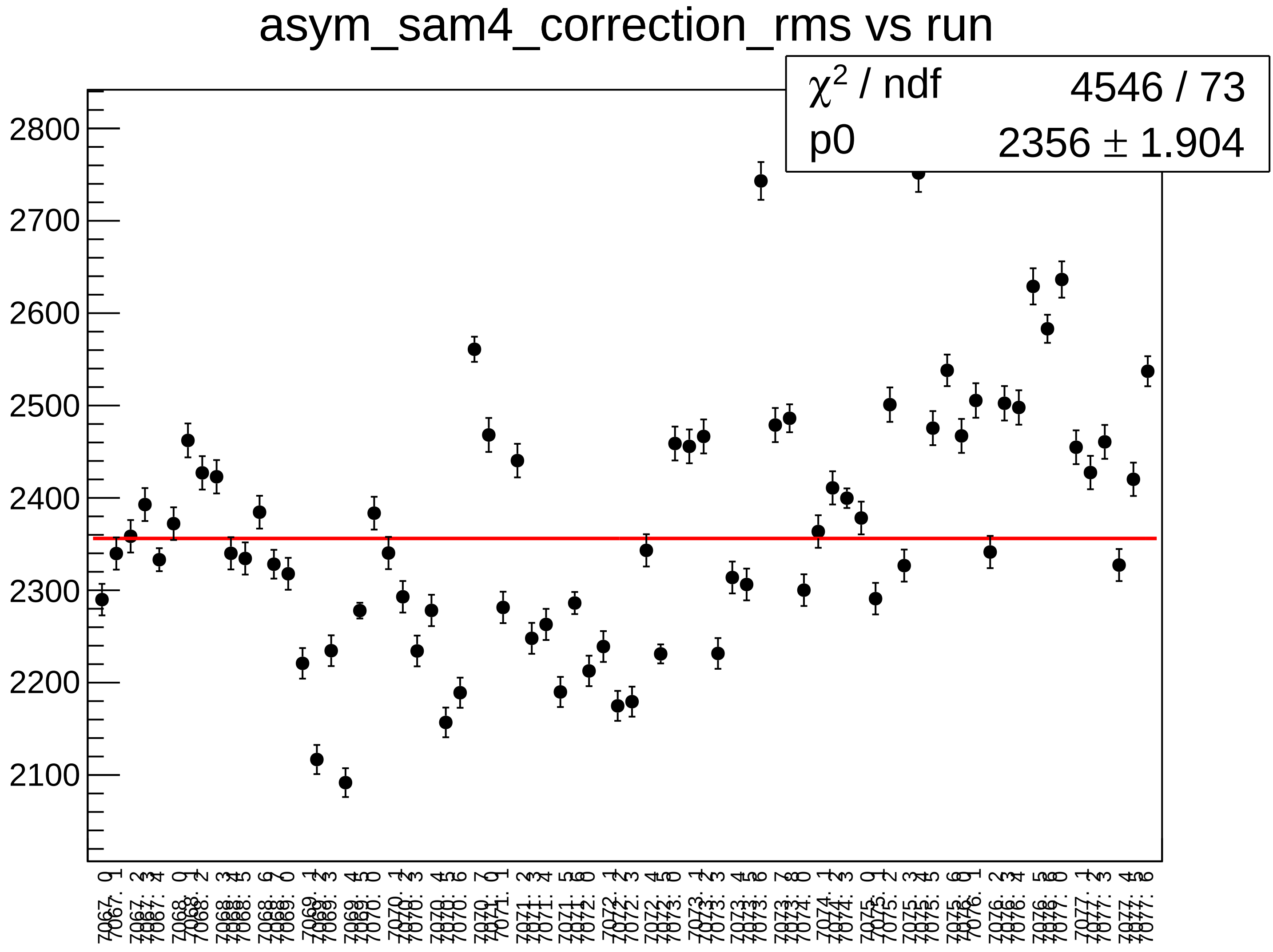
reg_asym_sam4_mean vs run
χ^2 / ndf 69.08 / 73
p0 −628.6 ± 345.1
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 93.98
Std Dev 64.6
pull1D
Entries 74
Mean 0.01257
Std Dev 0.9661



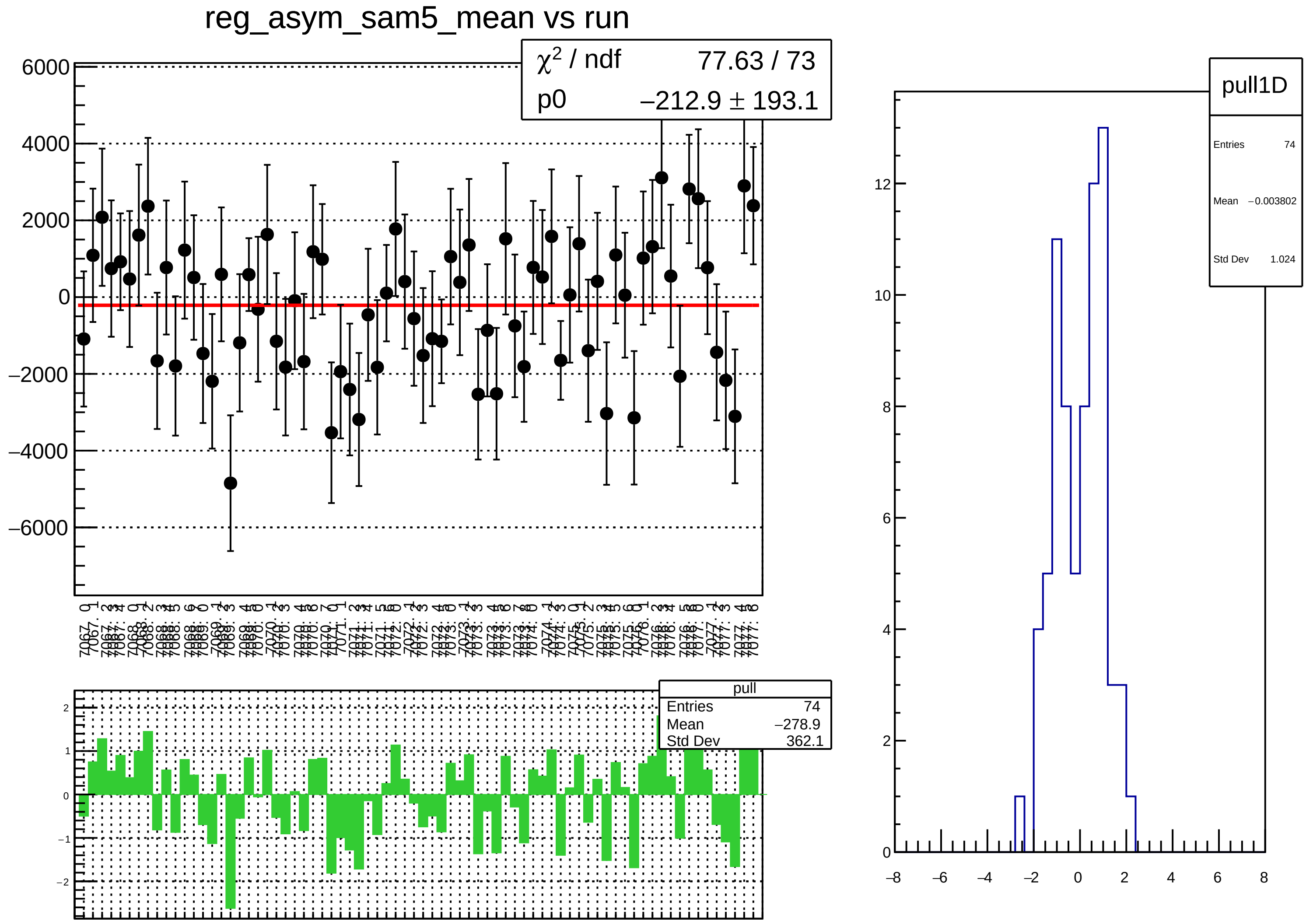
reg_asym_sam4_rms vs run
χ2 / ndf 1.926e+04 / 73
p0 300.4 ± 0.244
440
420
400
380
360
340
320
300
280
260



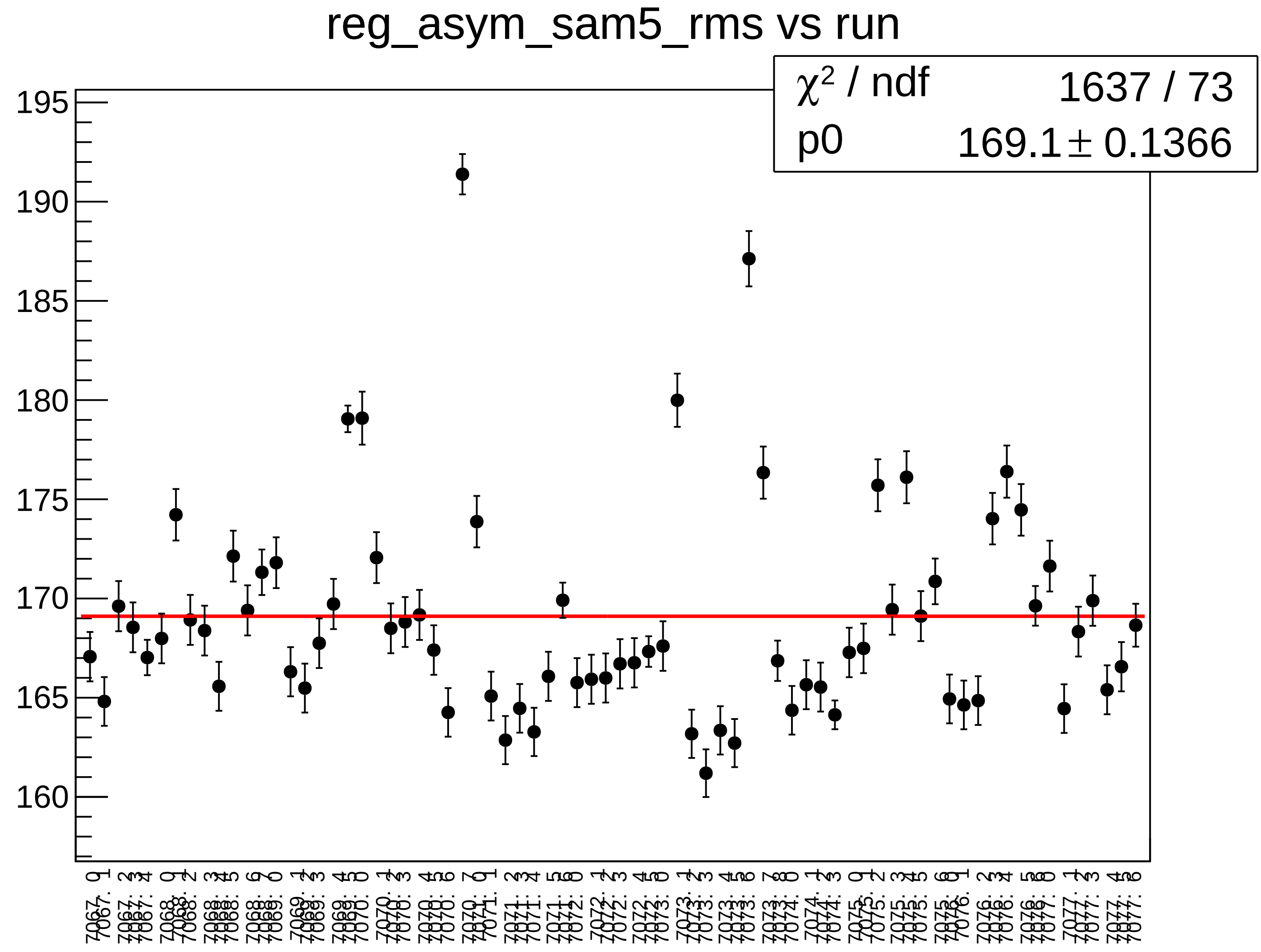
asym_sam4_correction_mean vs run
×10^3
χ2 / ndf 87.17 / 73
p0 1927 ± 2693
100
50
0
−50
−100
pull
Entries 74
Mean 2259
Std Dev 2213
pull1D
Entries 74
Mean 0.002492
Std Dev 1.085

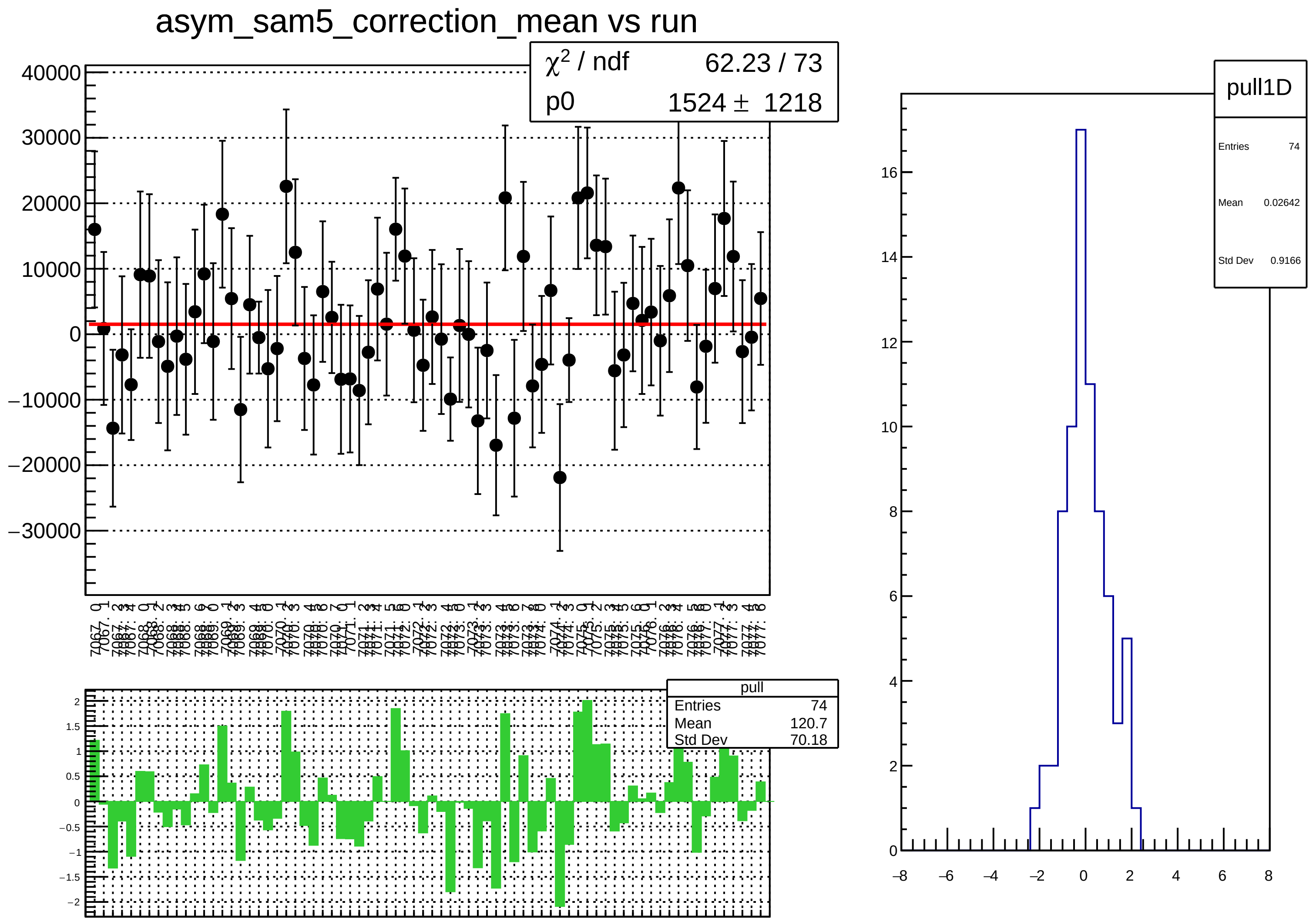


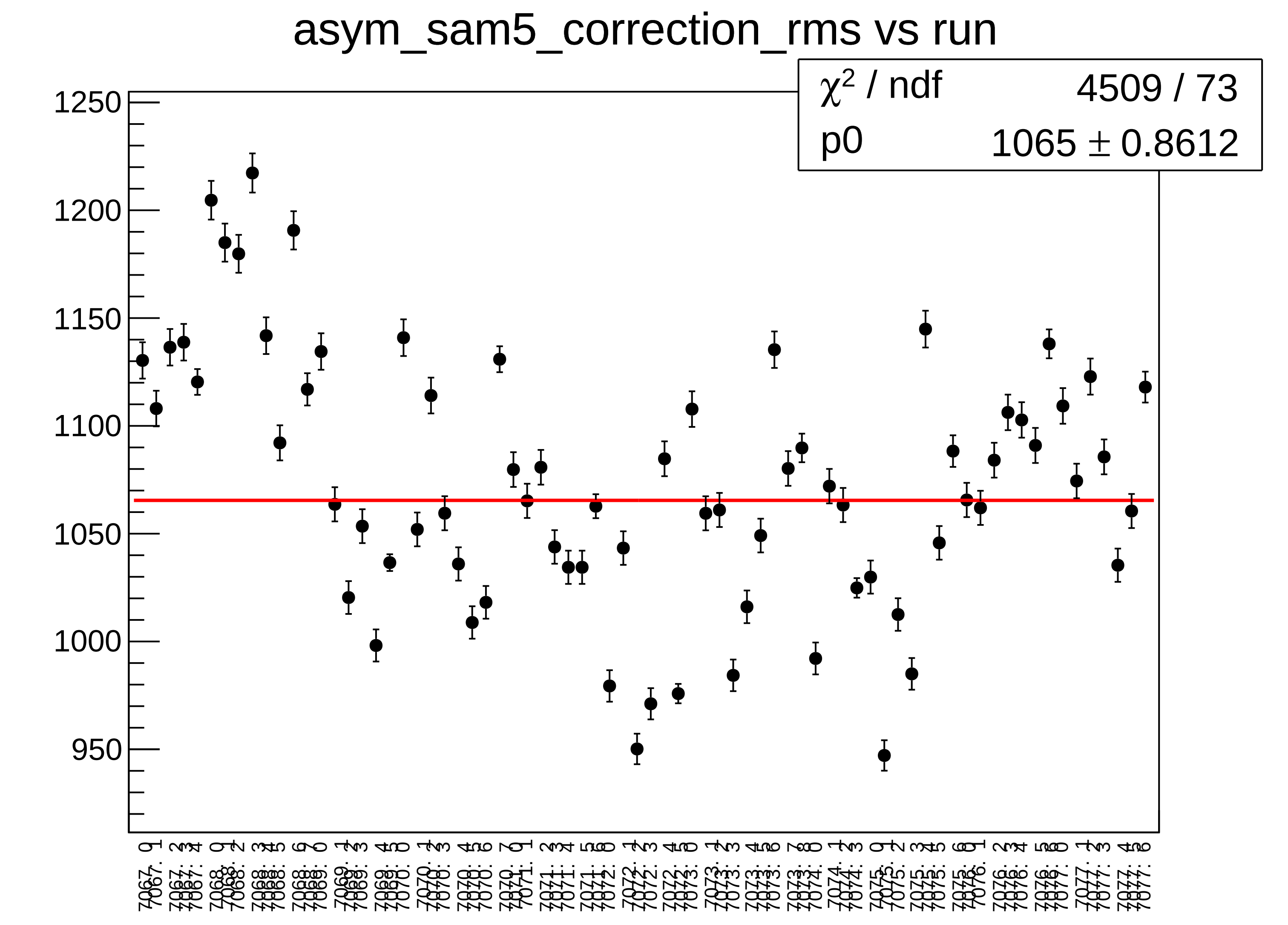
asym_sam4_correction_rms vs run
χ^2 / ndf 4546 / 73
p0 2356 ± 1.904
2800
2700
2600
2500
2400
2300
2200
2100



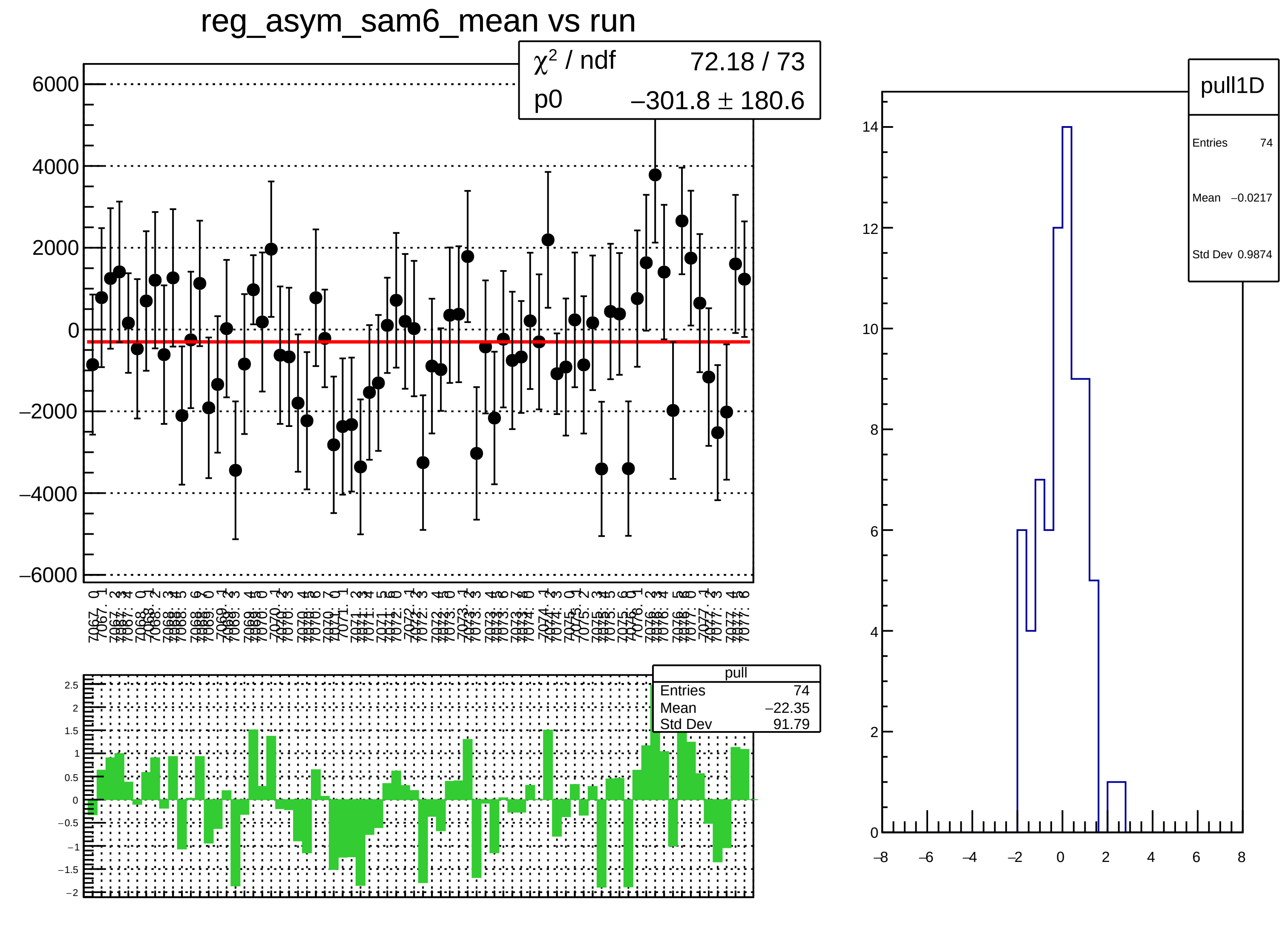
reg_asym_sam5_mean vs run
χ^2 / ndf 77.63 / 73
p0 −212.9 ± 193.1
pull
Entries 74
Mean −278.9
Std Dev 362.1
pull1D
Entries 74
Mean −0.003802
Std Dev 1.024


reg_asym_sam5_rms vs run
χ^2 / ndf 1637 / 73
p0 169.1 ± 0.1366
195
190
185
180
175
170
165
160

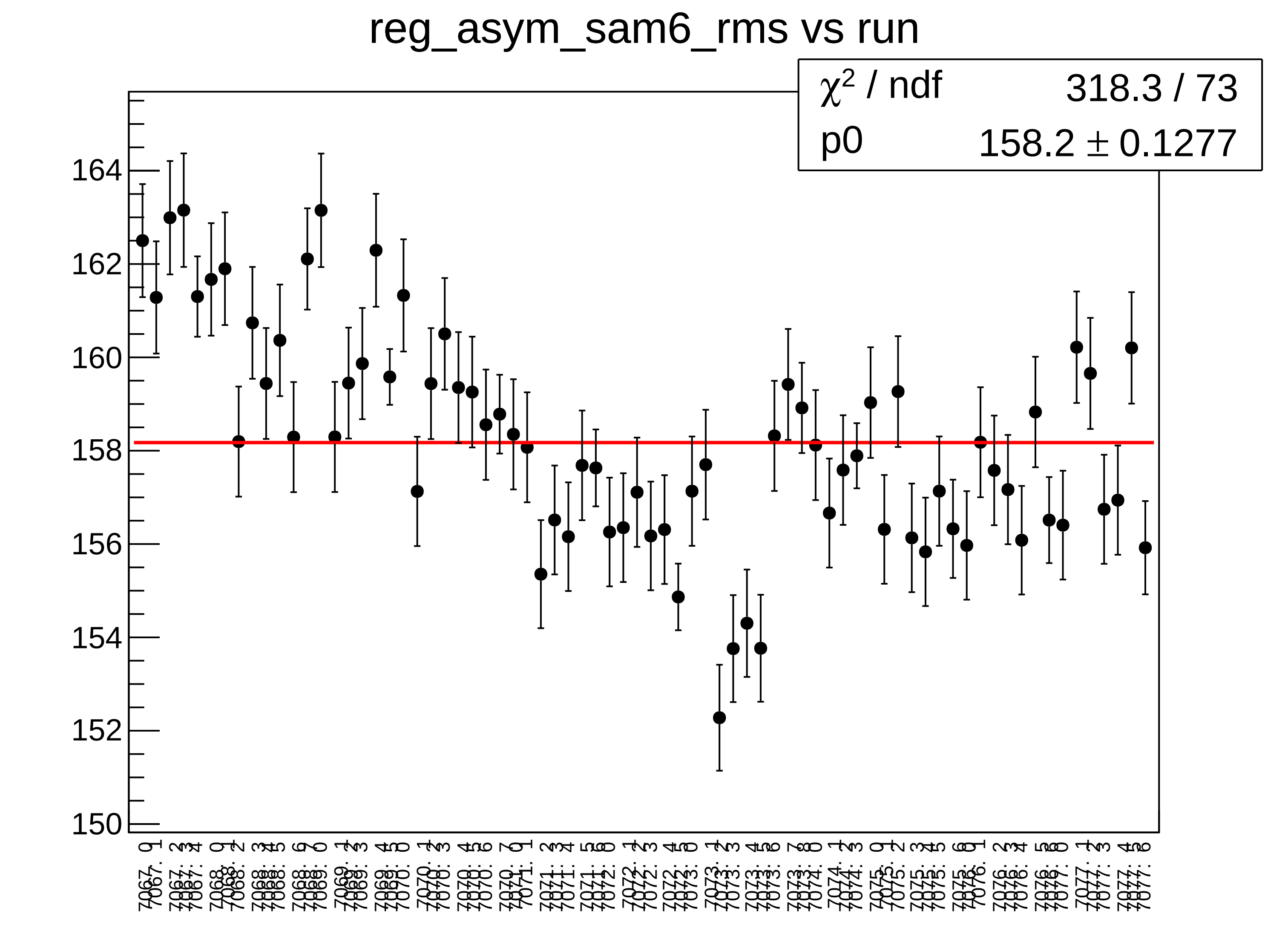

asym_sam5_correction_mean vs run
χ^2 / ndf 62.23 / 73
p0 1524 ± 1218
pull
Entries 74
Mean 120.7
Std Dev 70.18
pull1D
Entries 74
Mean 0.02642
Std Dev 0.9166



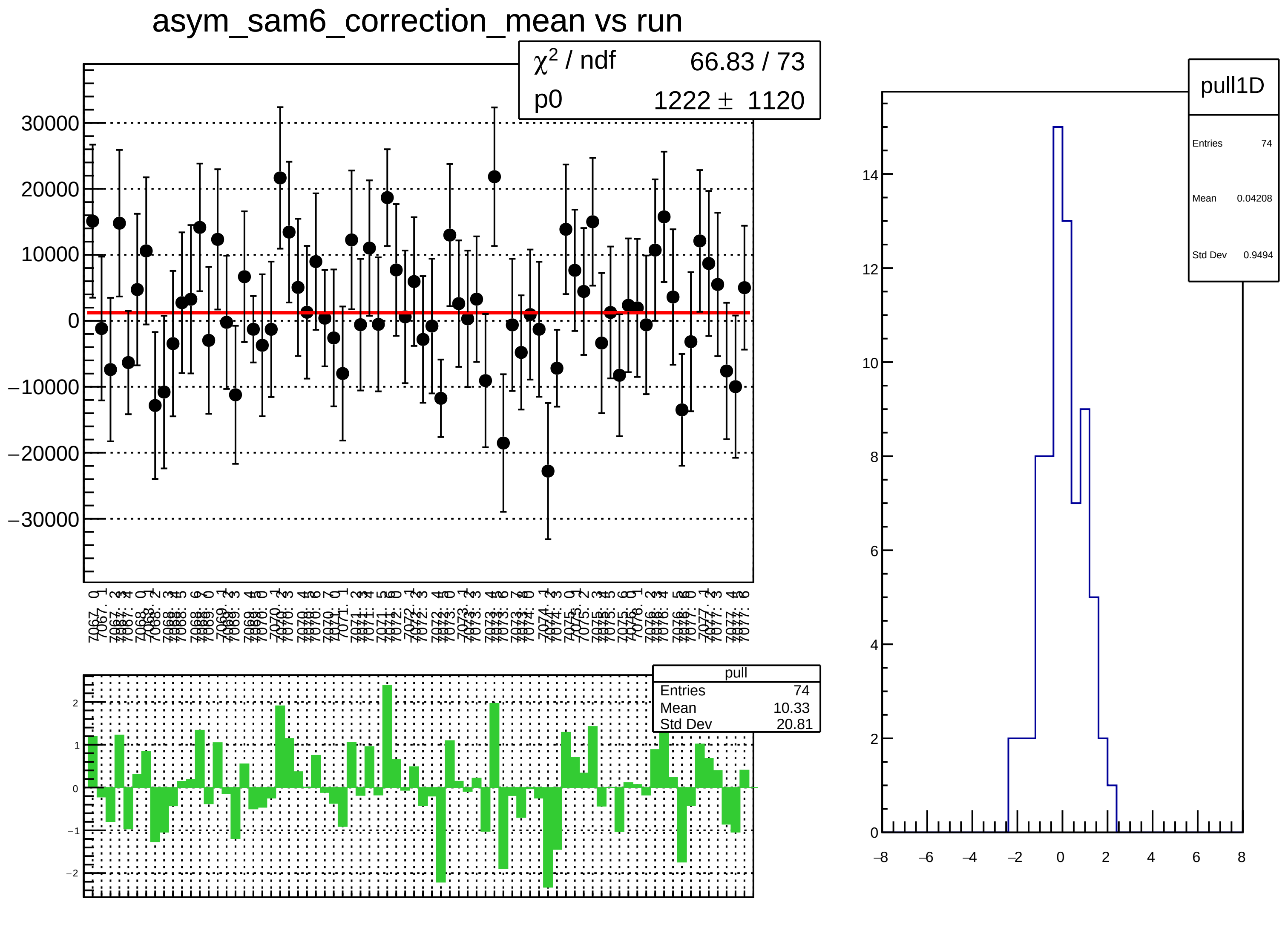
asym_sam5_correction_rms vs run
χ2 / ndf 4509 / 73
p0 1065 ± 0.8612
1250
1200
1150
1100
1050
1000
950



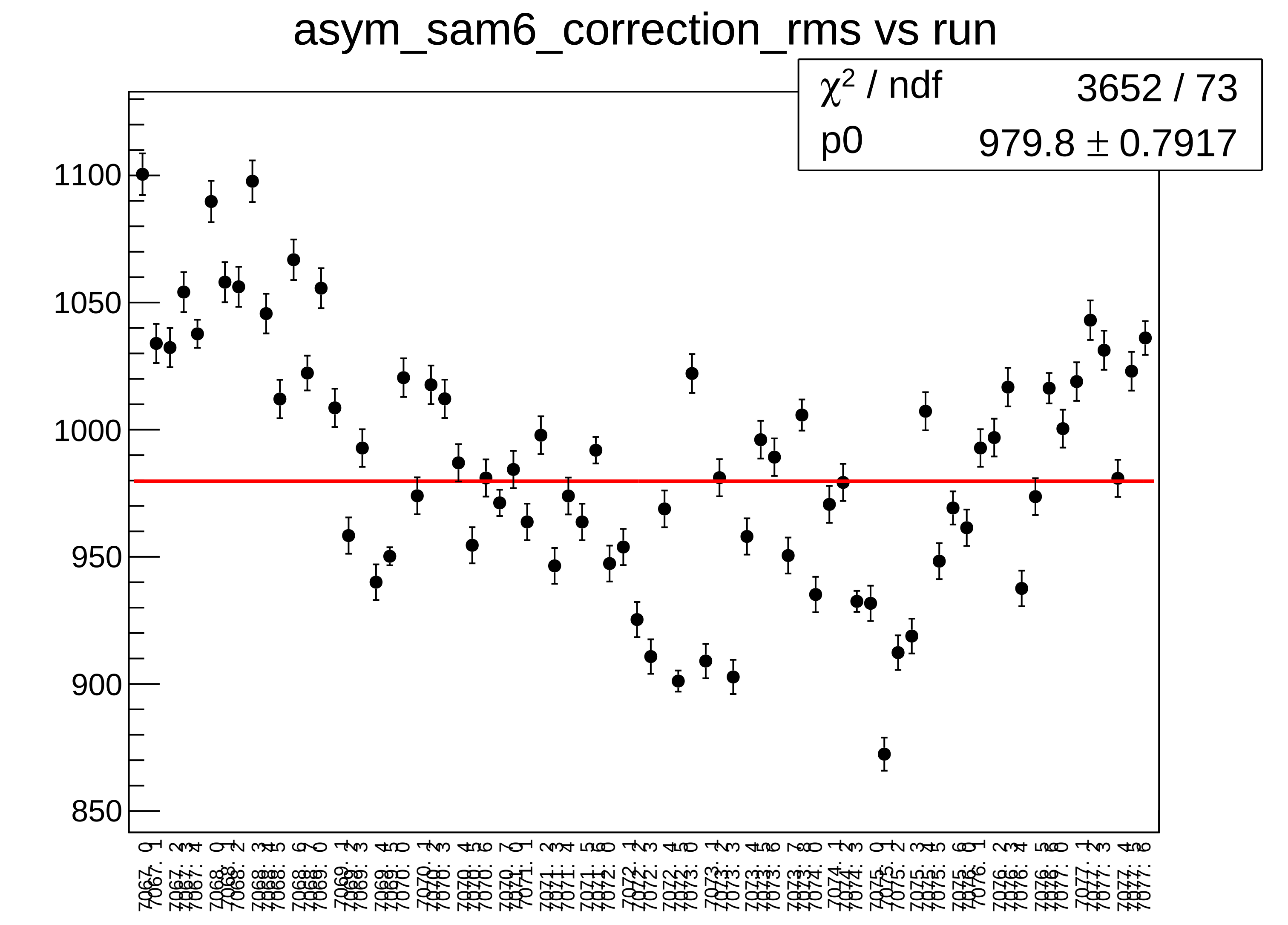
reg_asym_sam6_mean vs run
χ2 / ndf 72.18 / 73
p0 −301.8 ± 180.6
pull
Entries 74
Mean −22.35
Std Dev 91.79
pull1D
Entries 74
Mean −0.0217
Std Dev 0.9874



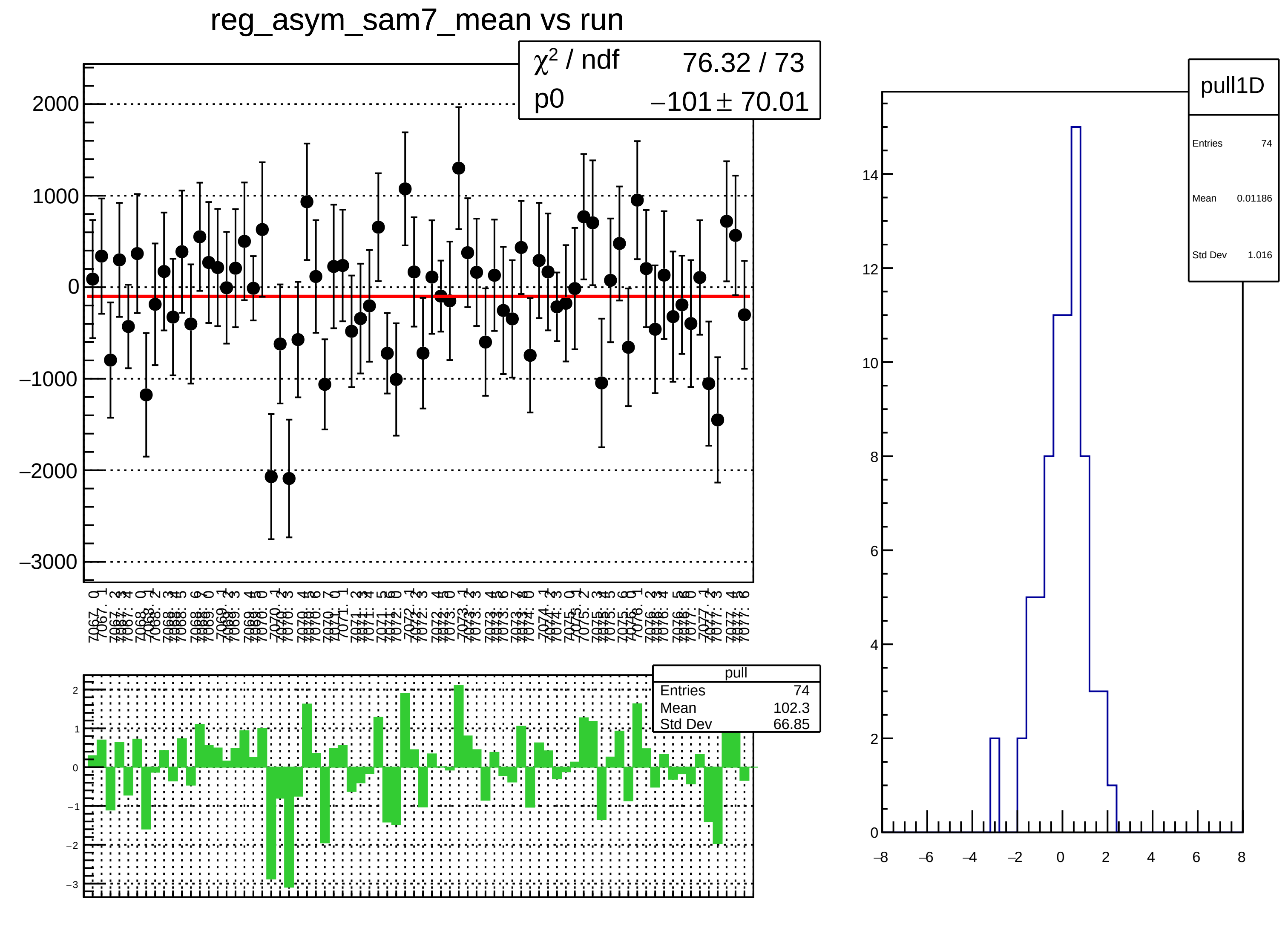
reg_asym_sam6_rms vs run
χ^2 / ndf 318.3 / 73
p0 158.2 ± 0.1277
164
162
160
158
156
154
152
150

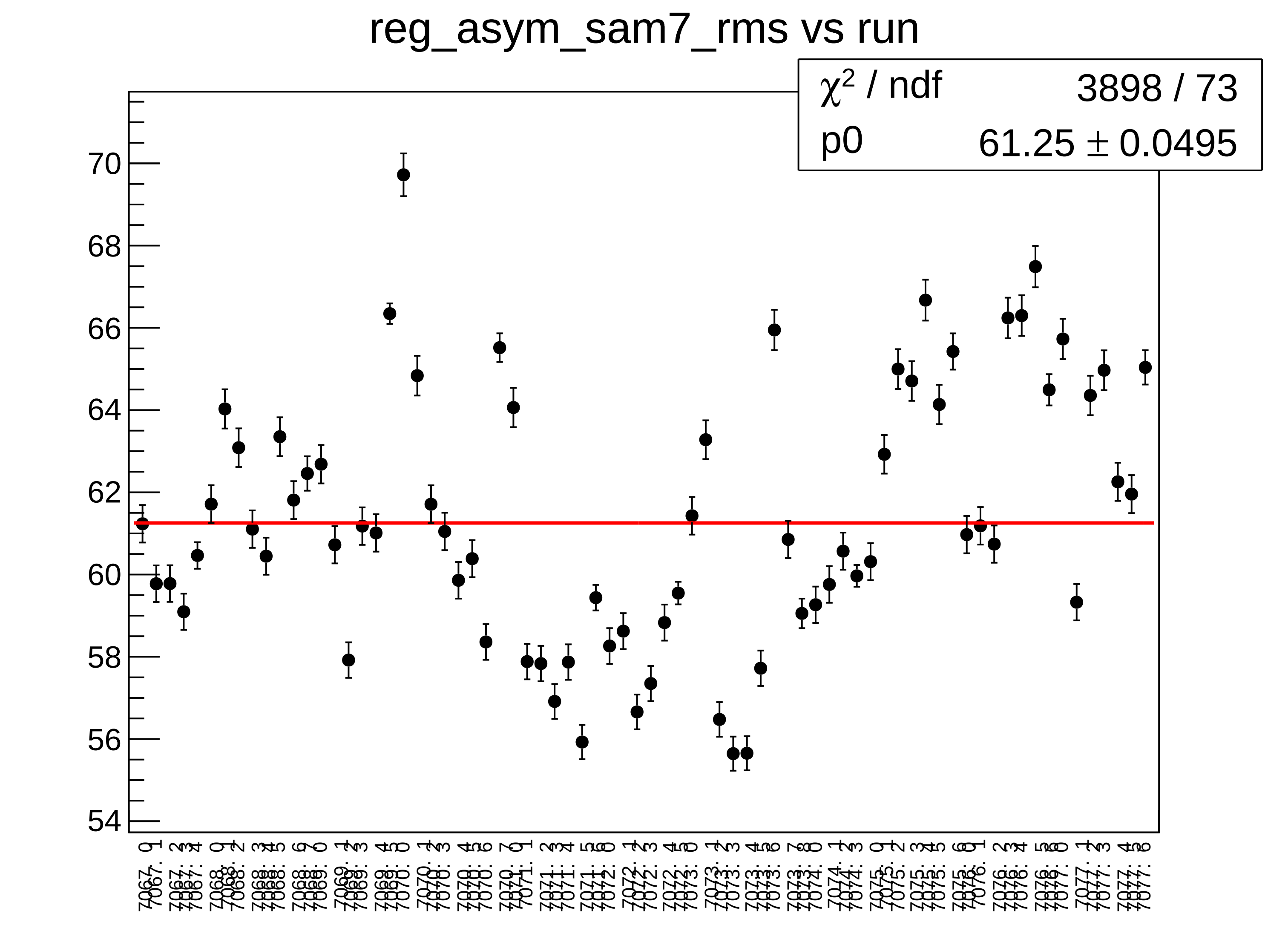


asym_sam6_correction_mean vs run
χ^2 / ndf 66.83 / 73
p0 1222 ± 1120
pull
Entries 74
Mean 10.33
Std Dev 20.81
pull1D
Entries 74
Mean 0.04208
Std Dev 0.9494

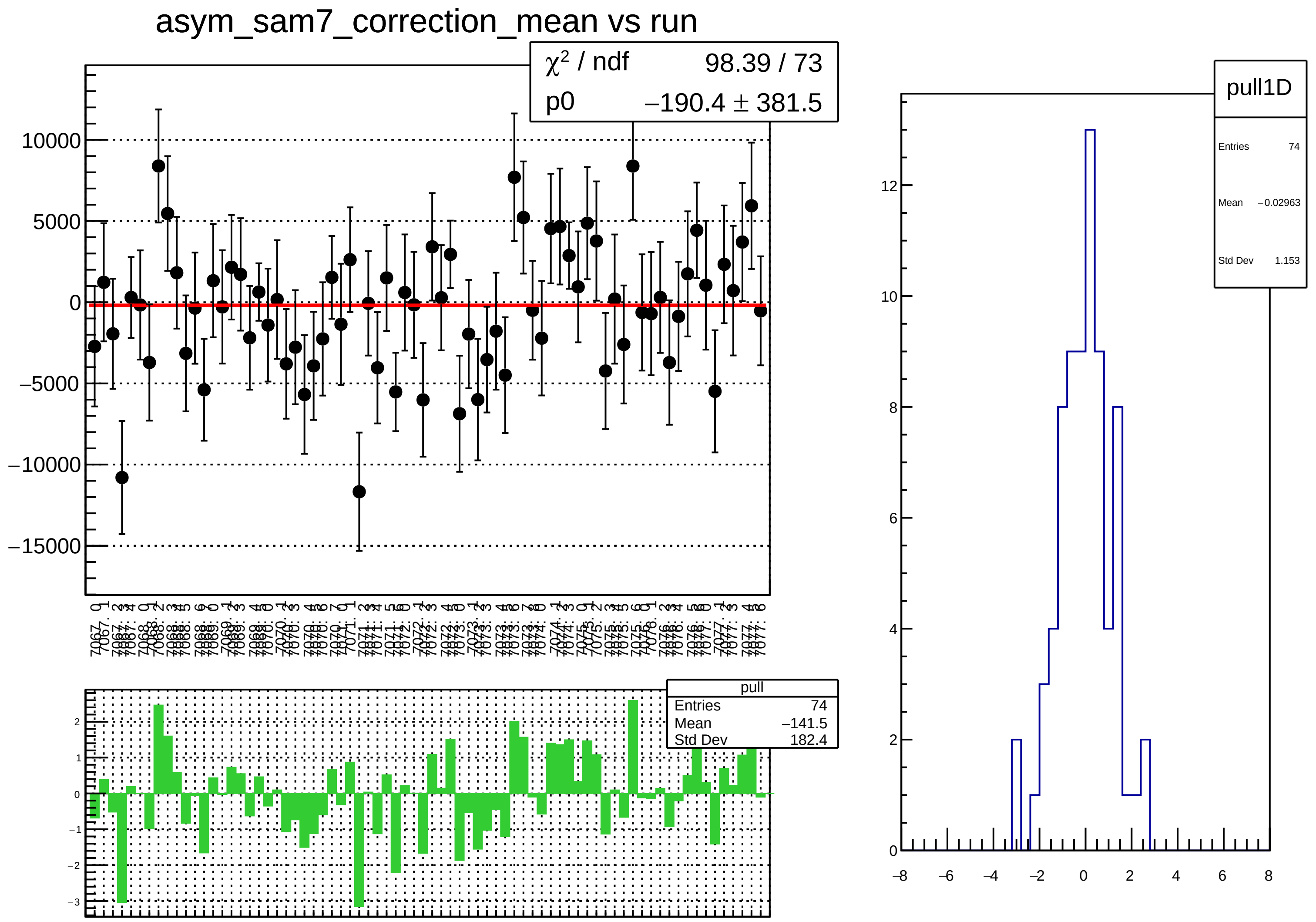


asym_sam6_correction_rms vs run
χ^2 / ndf 3652 / 73
p0 979.8 ± 0.7917
1100
1050
1000
950
900
850

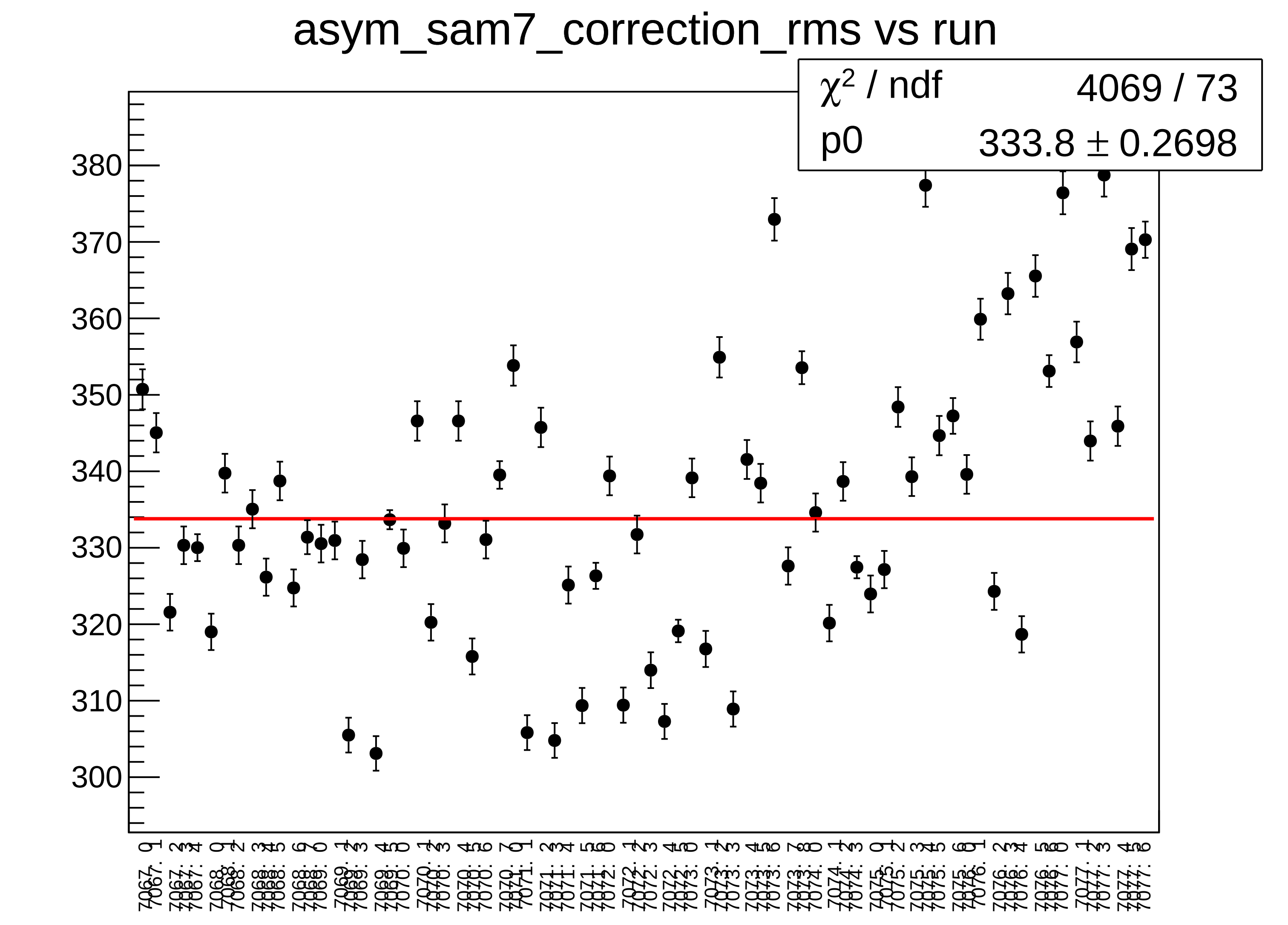

reg_asym_sam7_mean vs run
χ^2 / ndf 76.32 / 73
p0 −101 ± 70.01
pull
Entries 74
Mean 102.3
Std Dev 66.85
pull1D
Entries 74
Mean 0.01186
Std Dev 1.016

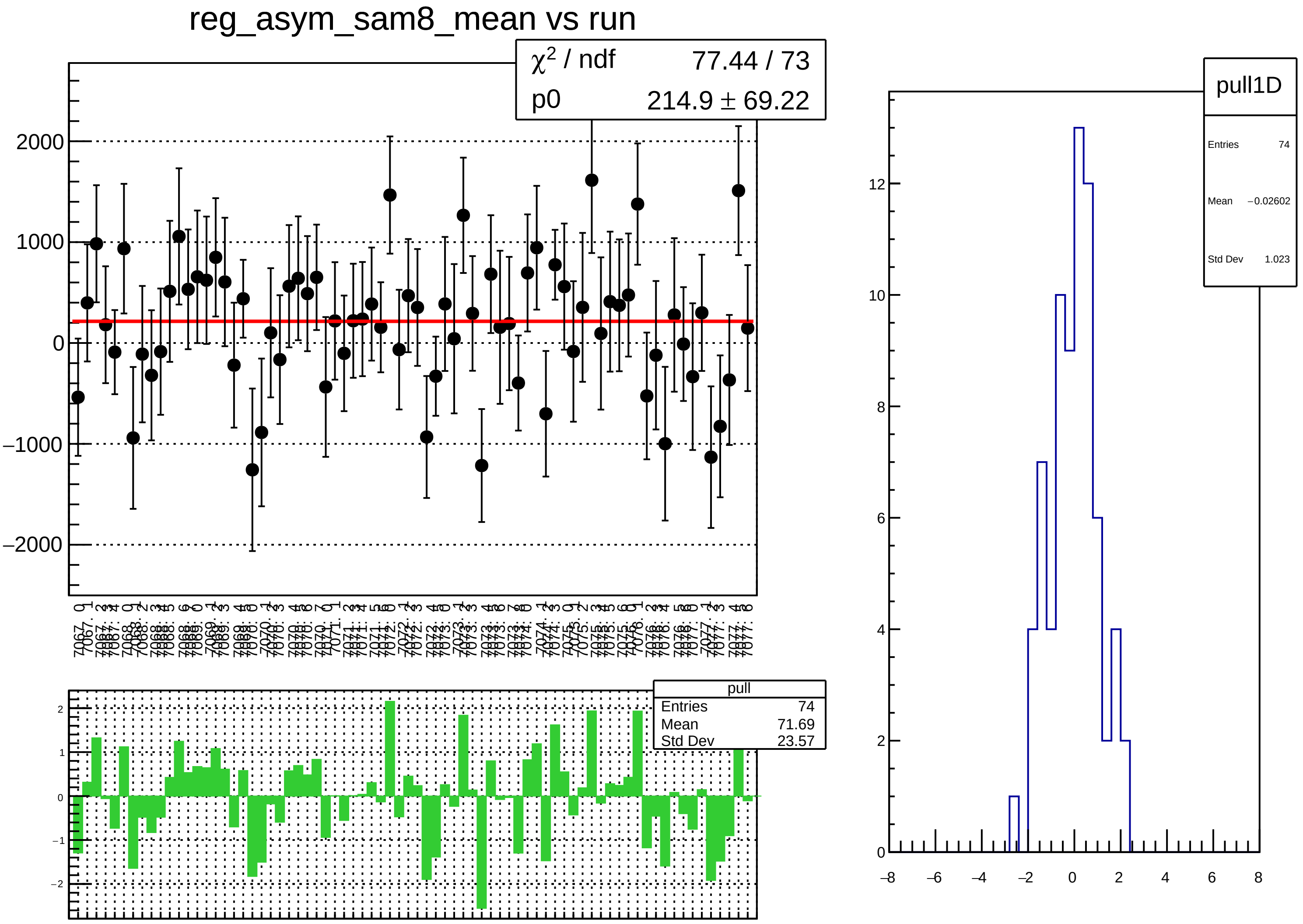


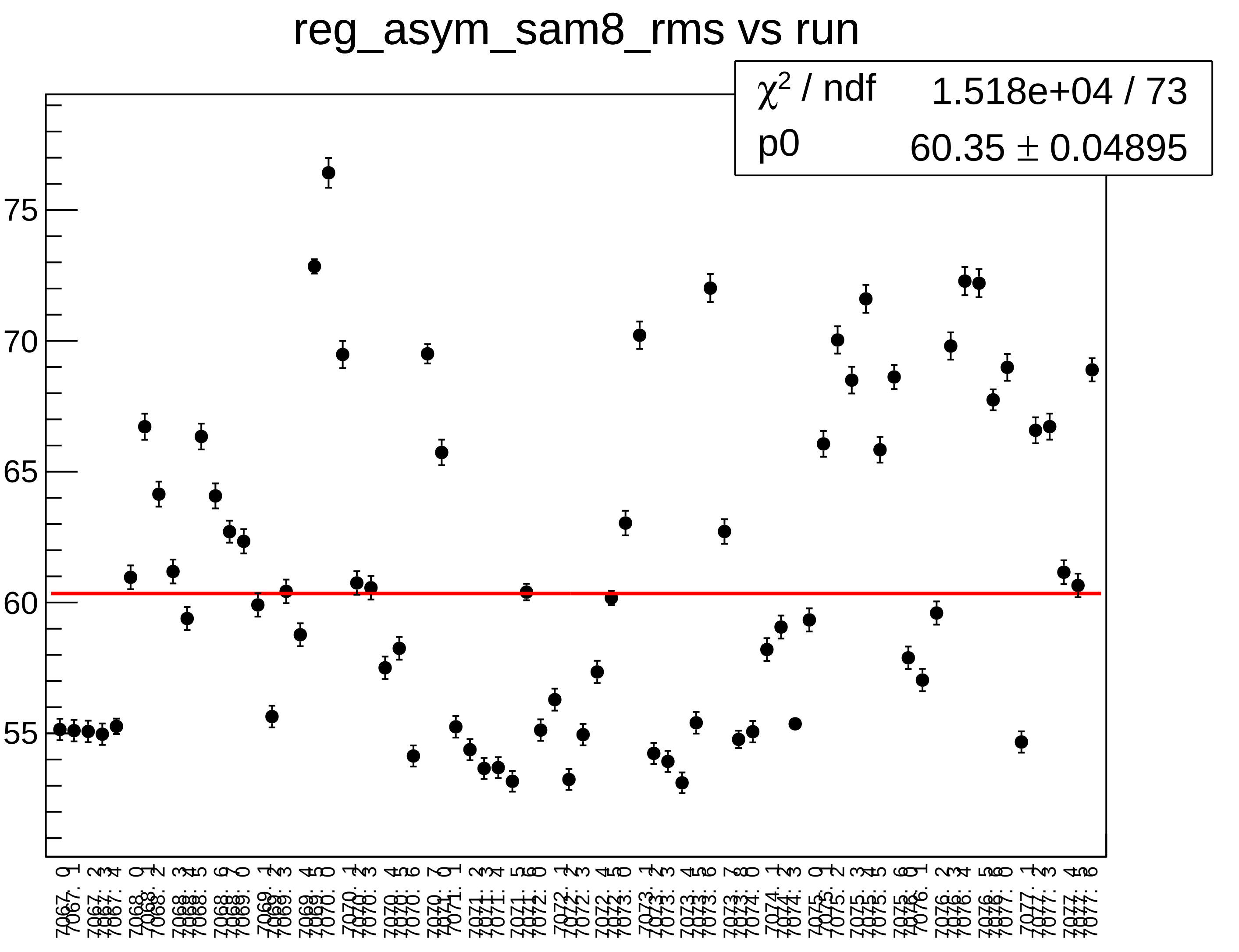
reg_asym_sam7_rms vs run
χ2 / ndf 3898 / 73
p0 61.25 ± 0.0495
70
68
66
64
62
60
58
56
54

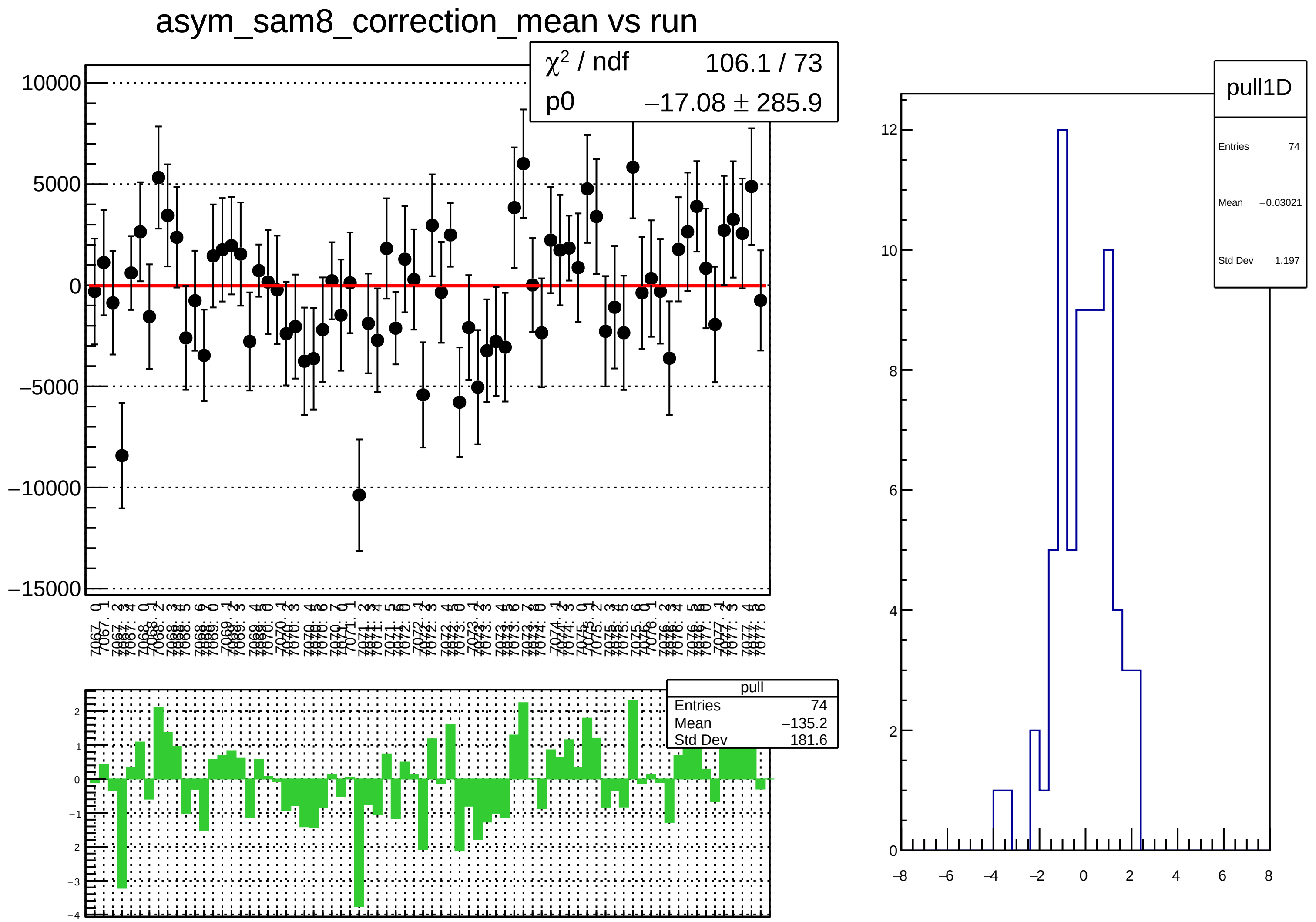


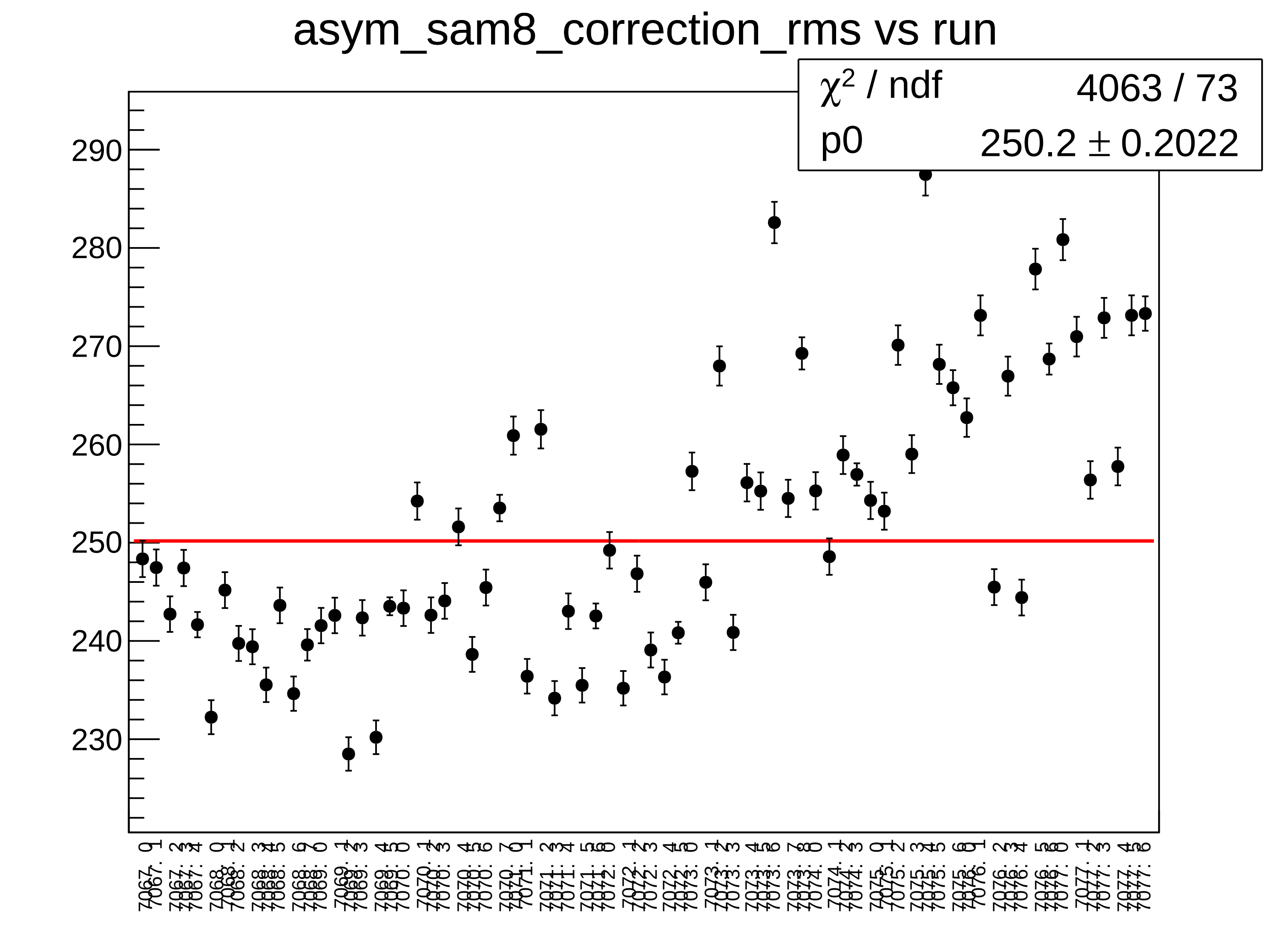
asym_sam7_correction_mean vs run
χ^2 / ndf 98.39 / 73
p0 −190.4 ± 381.5
pull
Entries 74
Mean −141.5
Std Dev 182.4
pull1D
Entries 74
Mean −0.02963
Std Dev 1.153


asym_sam7_correction_rms vs run
χ^2 / ndf 4069 / 73
p0 333.8 ± 0.2698
380
370
360
350
340
330
320
310
300

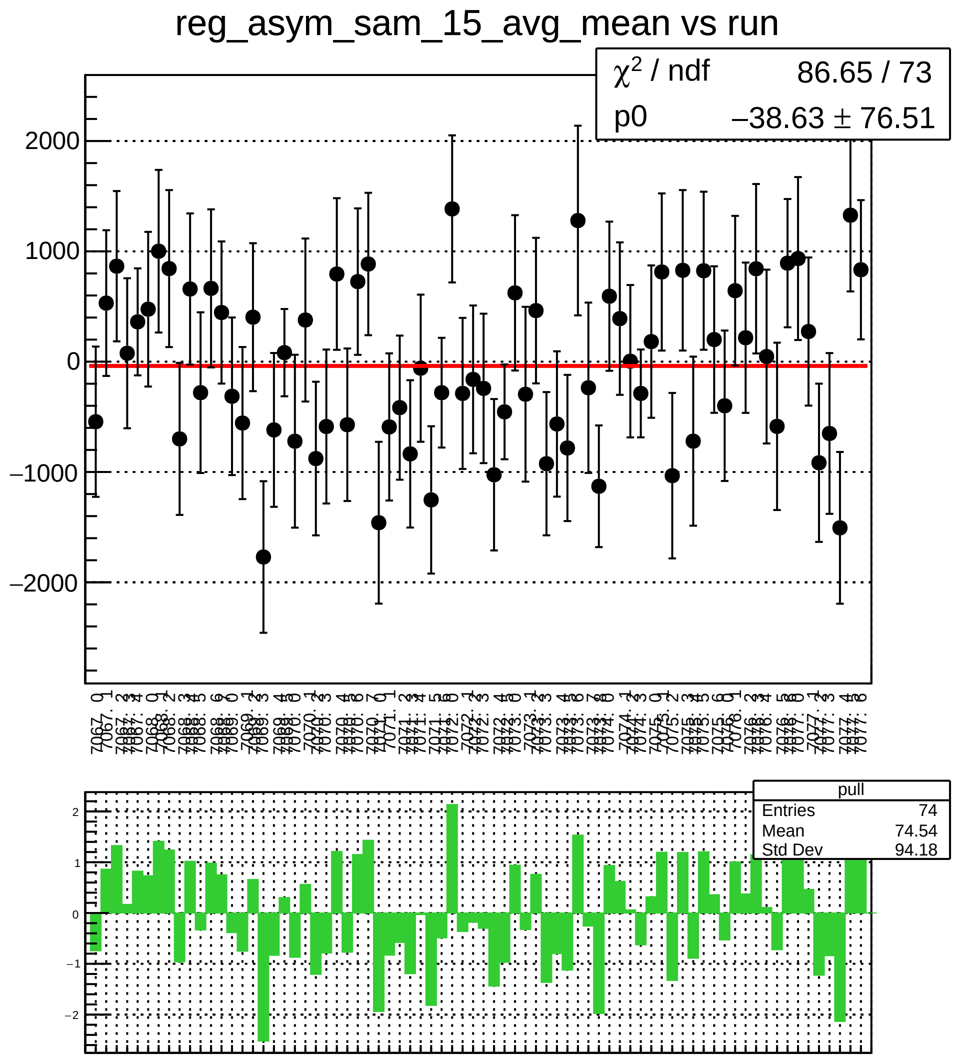

reg_asym_sam8_mean vs run
χ^2 / ndf 77.44 / 73
p0 214.9 ± 69.22
pull
Entries 74
Mean 71.69
Std Dev 23.57
pull1D
Entries 74
Mean −0.02602
Std Dev 1.023

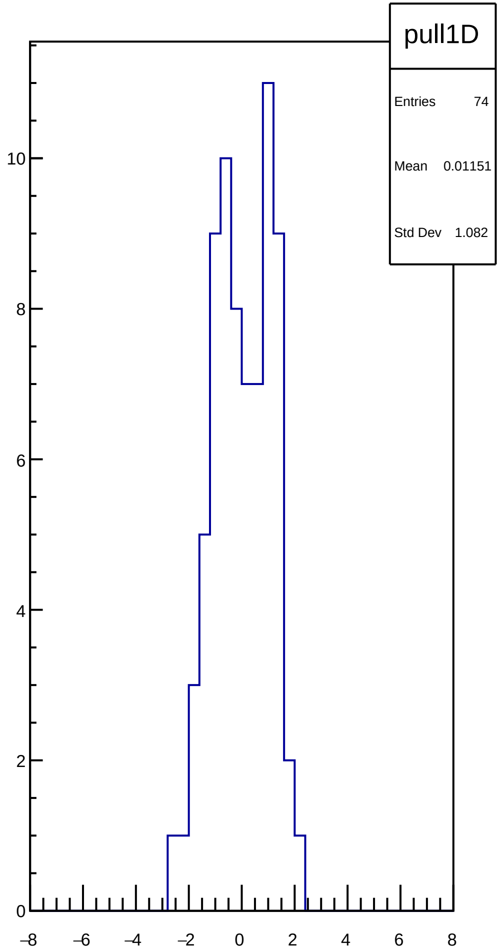

reg_asym_sam8_rms vs run
χ^2 / ndf 1.518e+04 / 73
p0 60.35 ± 0.04895
75
70
65
60
55

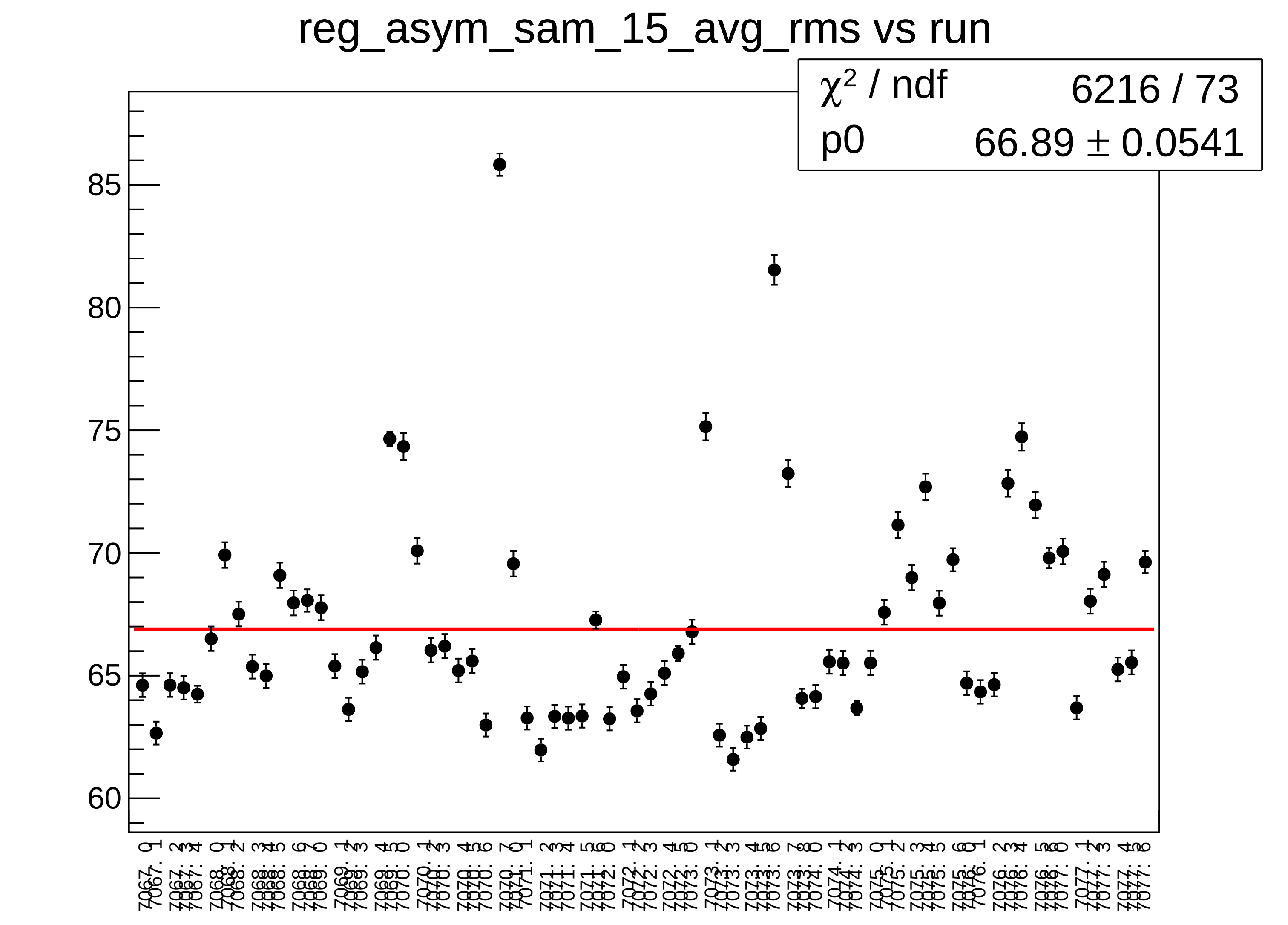

asym_sam8_correction_mean vs run
χ^2 / ndf 106.1 / 73
p0 −17.08 ± 285.9
pull
Entries 74
Mean −135.2
Std Dev 181.6
pull1D
Entries 74
Mean −0.03021
Std Dev 1.197



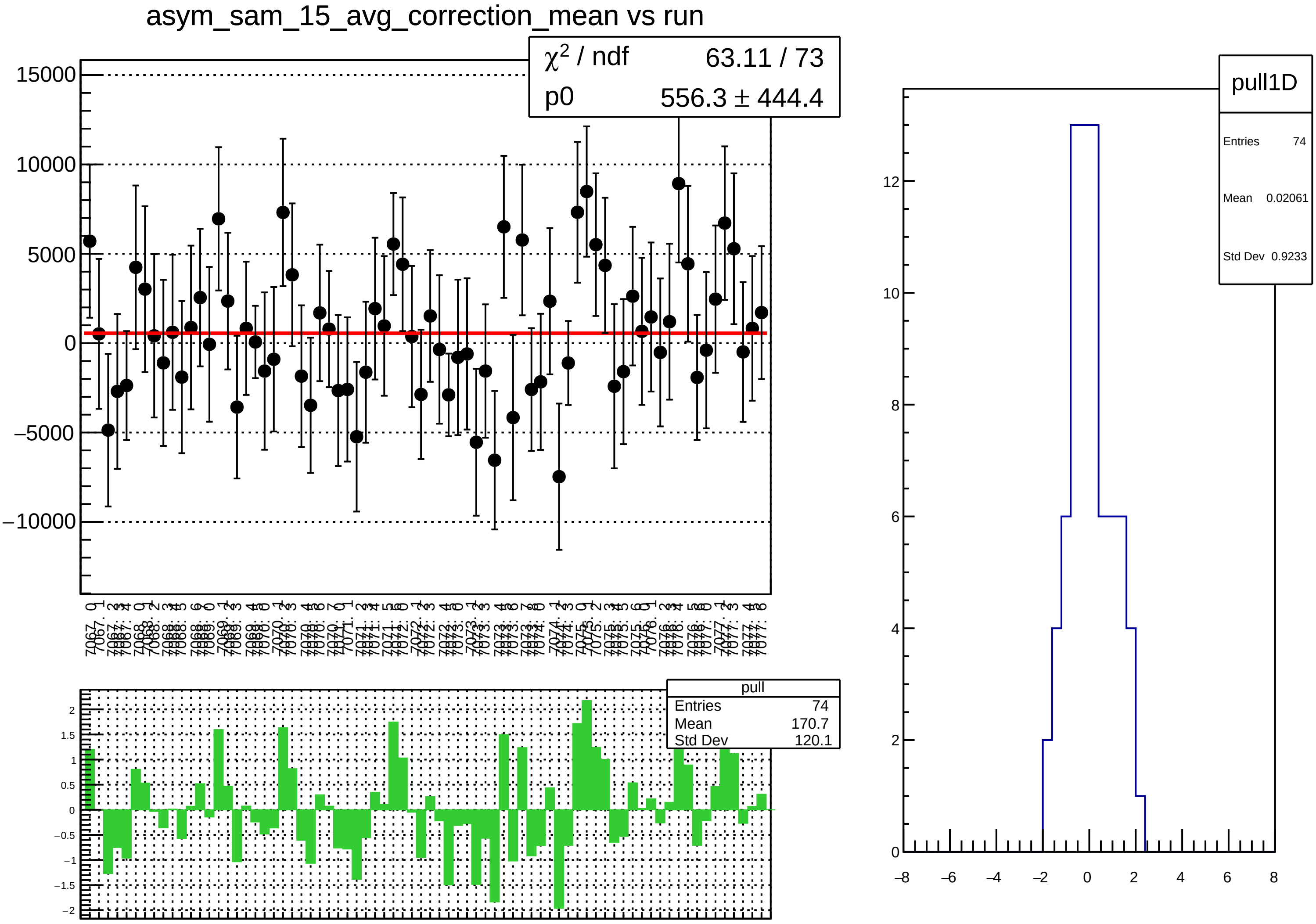
asym_sam8_correction_rms vs run
χ^2 / ndf 4063 / 73
p0 250.2 ± 0.2022
290
280
270
260
250
240
230

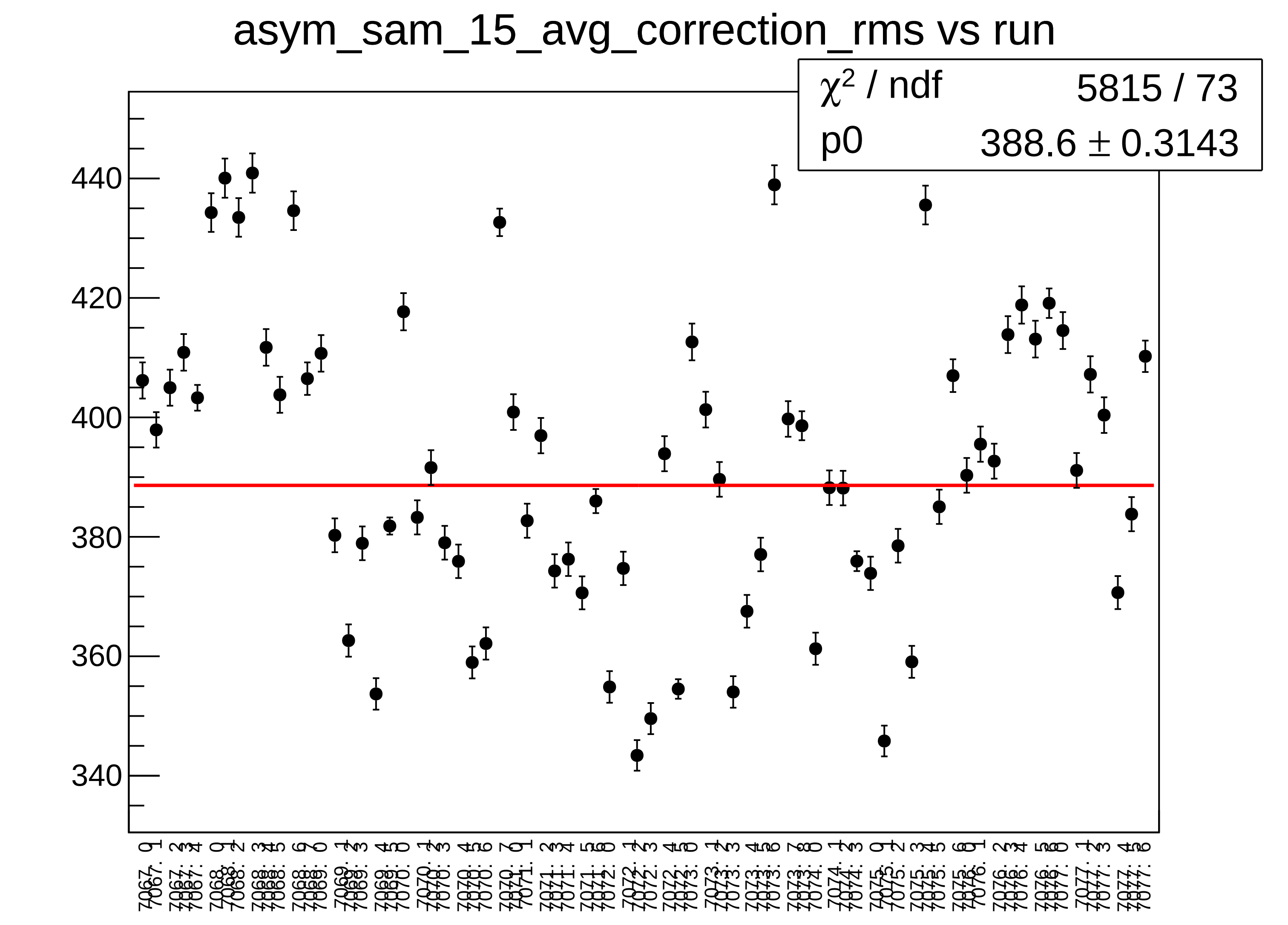

reg_asym_sam_15_avg_mean vs run
χ2 / ndf 86.65 / 73
p0 −38.63 ± 76.51
2000
1000
0
−1000
−2000
pull
Entries 74
Mean 74.54
Std Dev 94.18

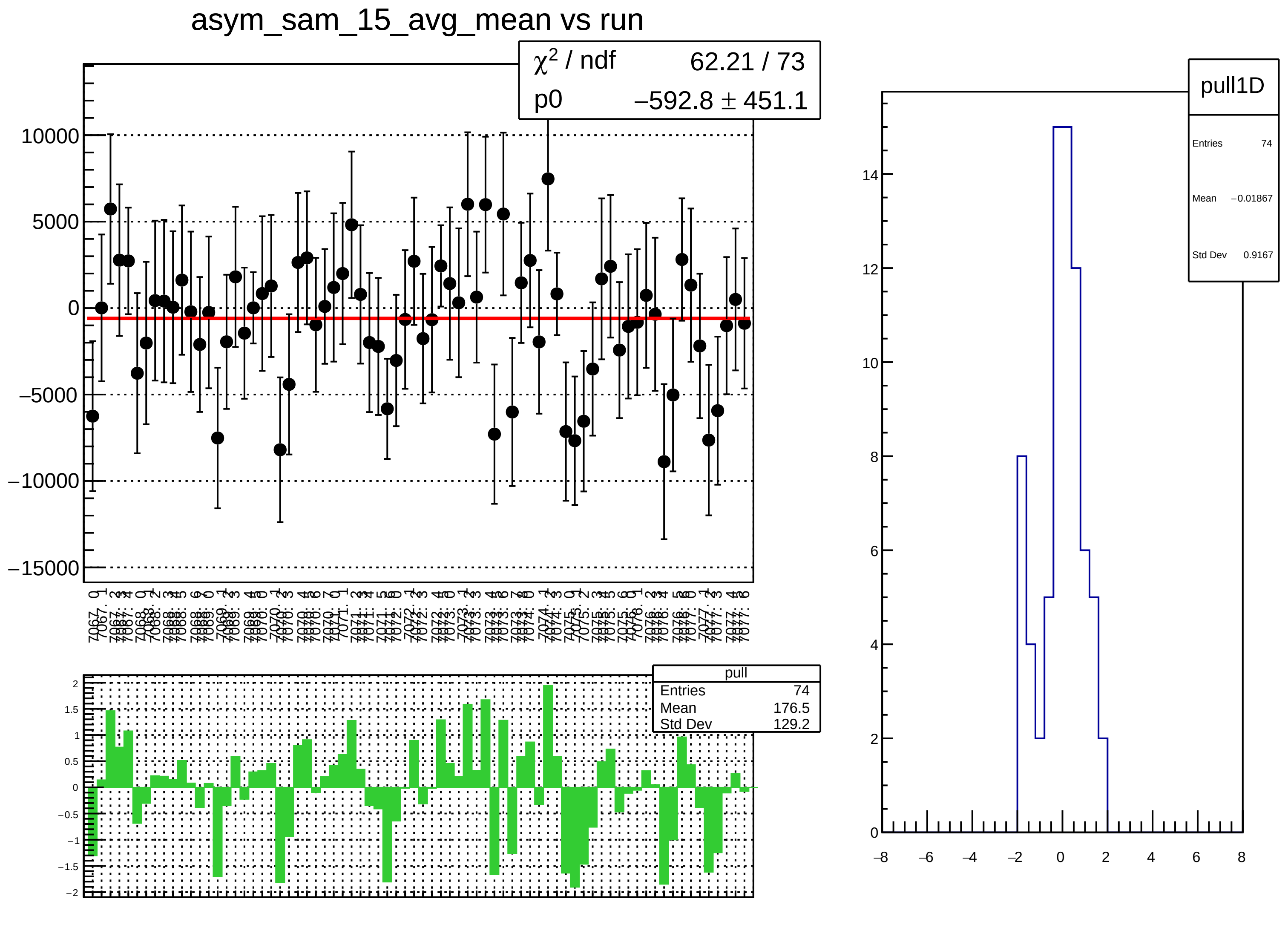

pull1D
Entries 74
Mean 0.01151
Std Dev 1.082



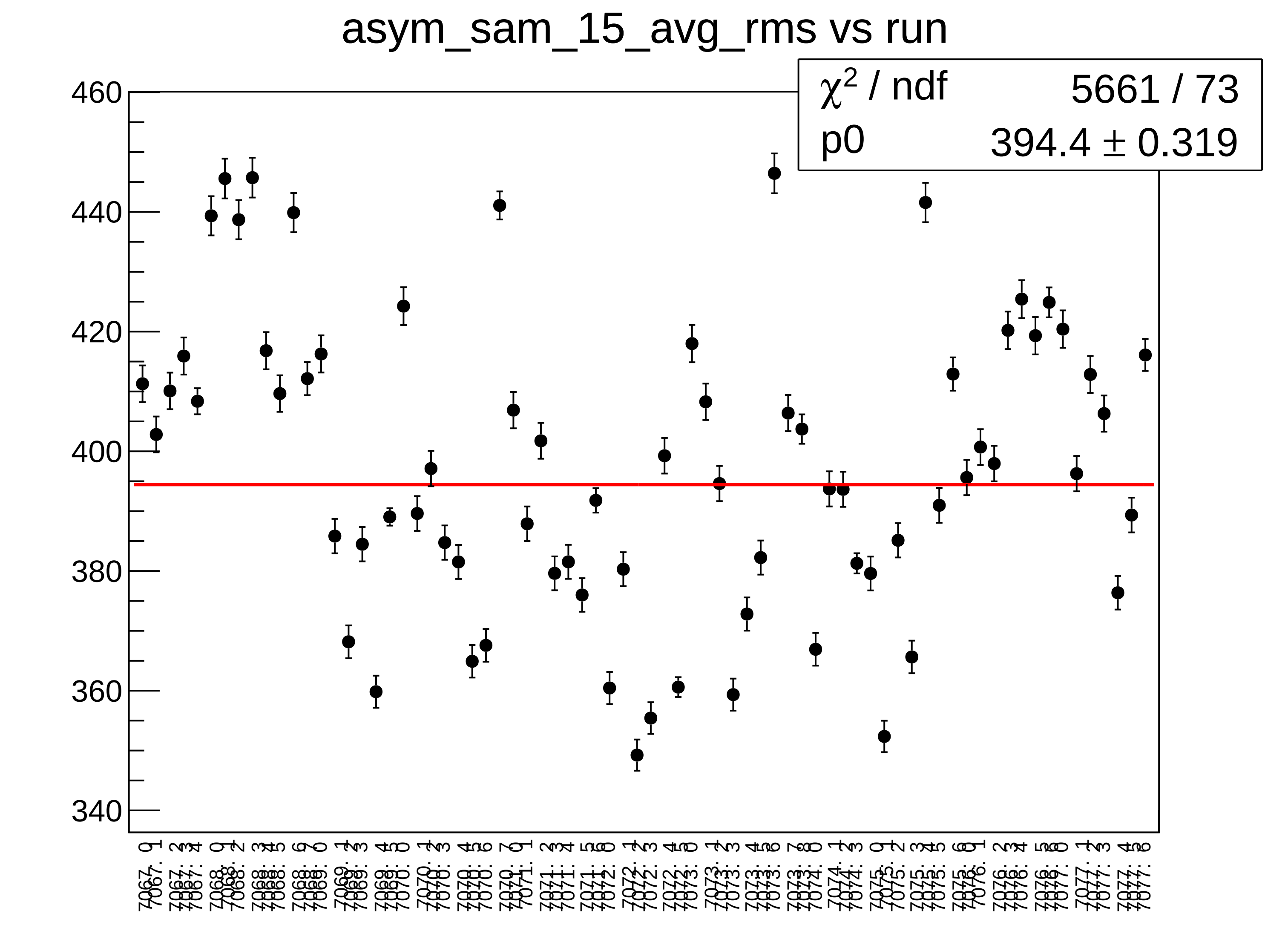
reg_asym_sam_15_avg_rms vs run
χ2 / ndf 6216 / 73
p0 66.89 ± 0.0541
85
80
75
70
65
60

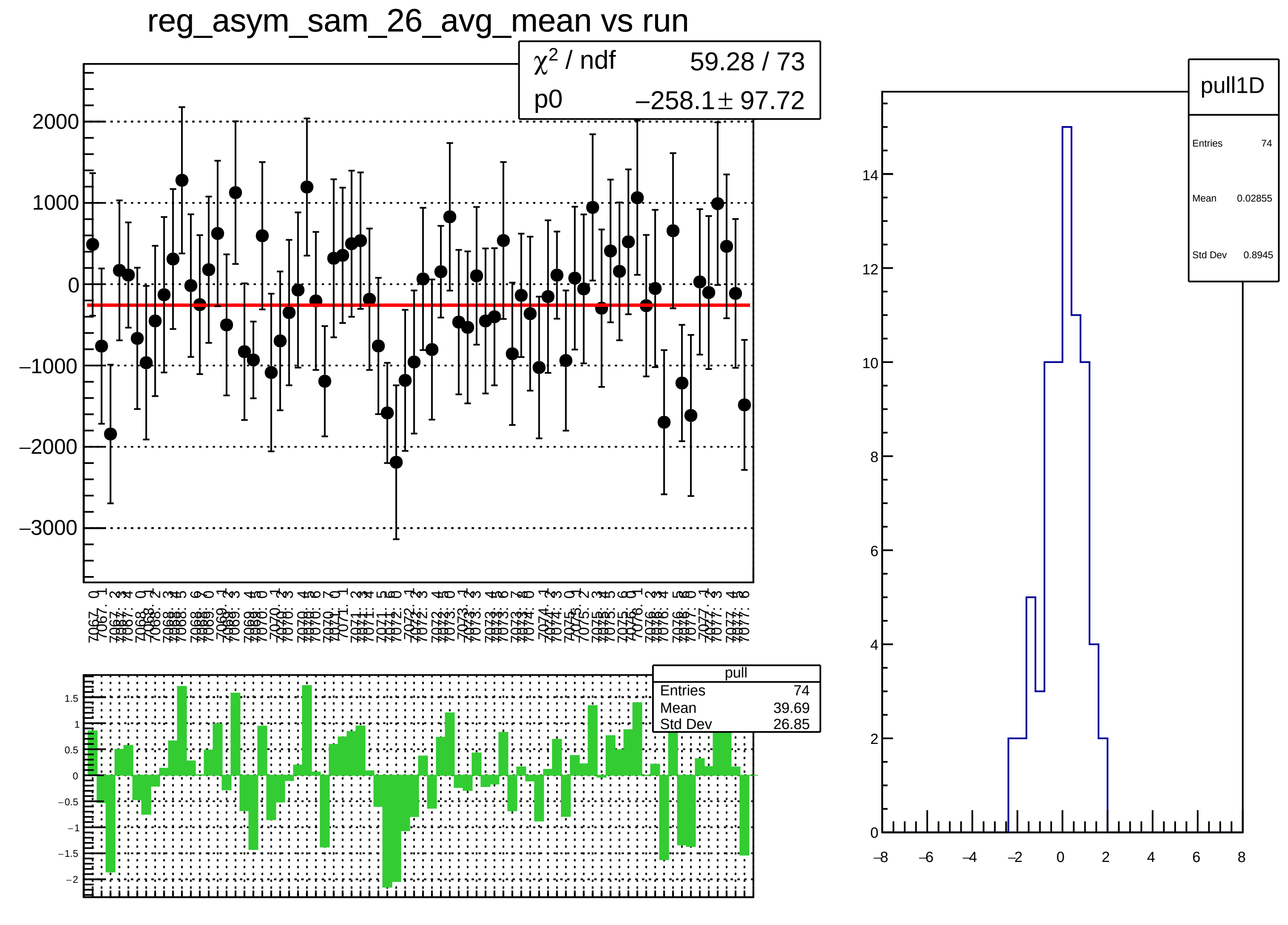

asym_sam_15_avg_correction_mean vs run
χ2 / ndf 63.11 / 73
p0 556.3 ± 444.4
15000
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 170.7
Std Dev 120.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.02061
Std Dev 0.9233
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 5815 / 73
p0 388.6 ± 0.3143
440
420
400
380
360
340

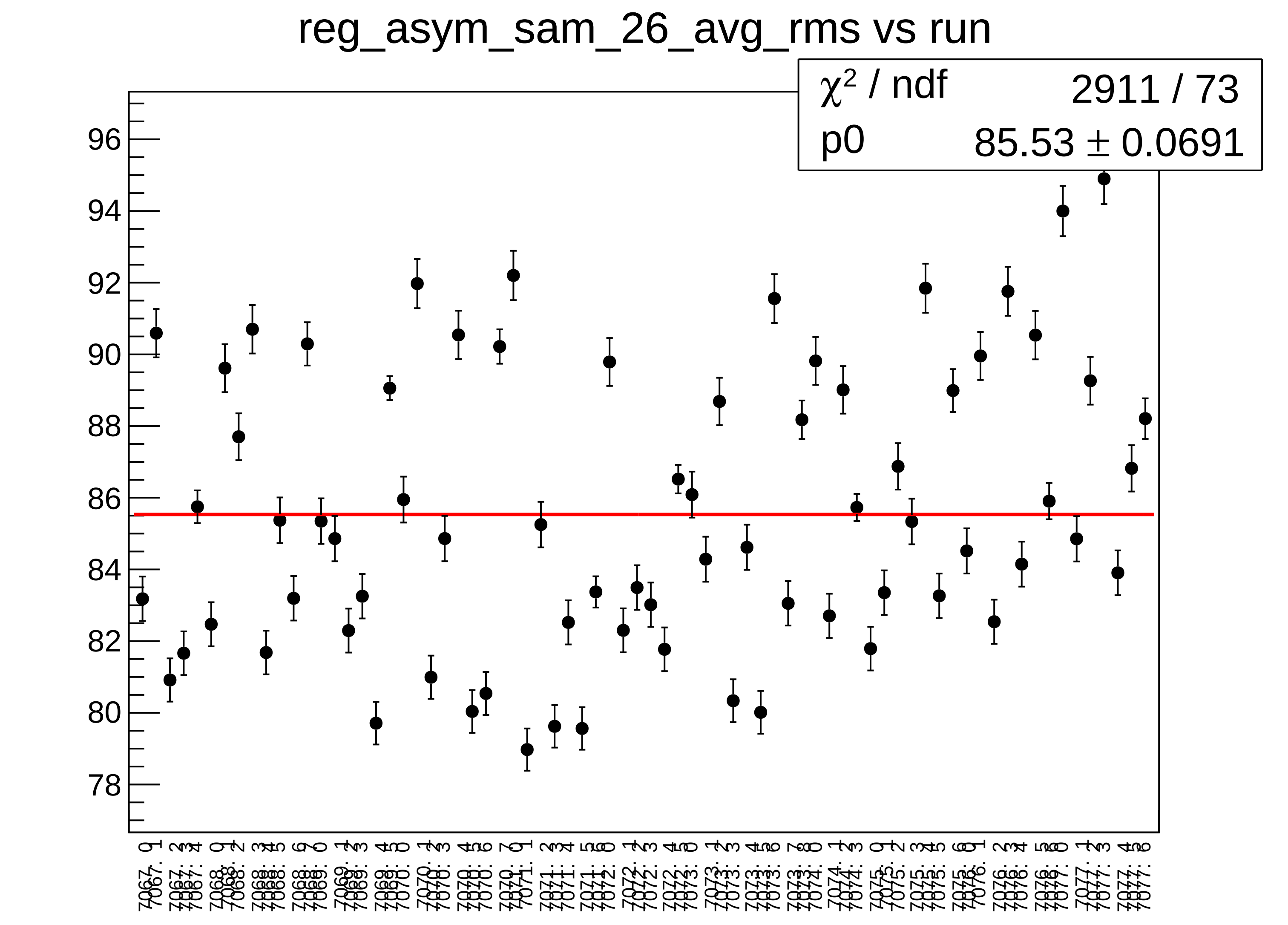


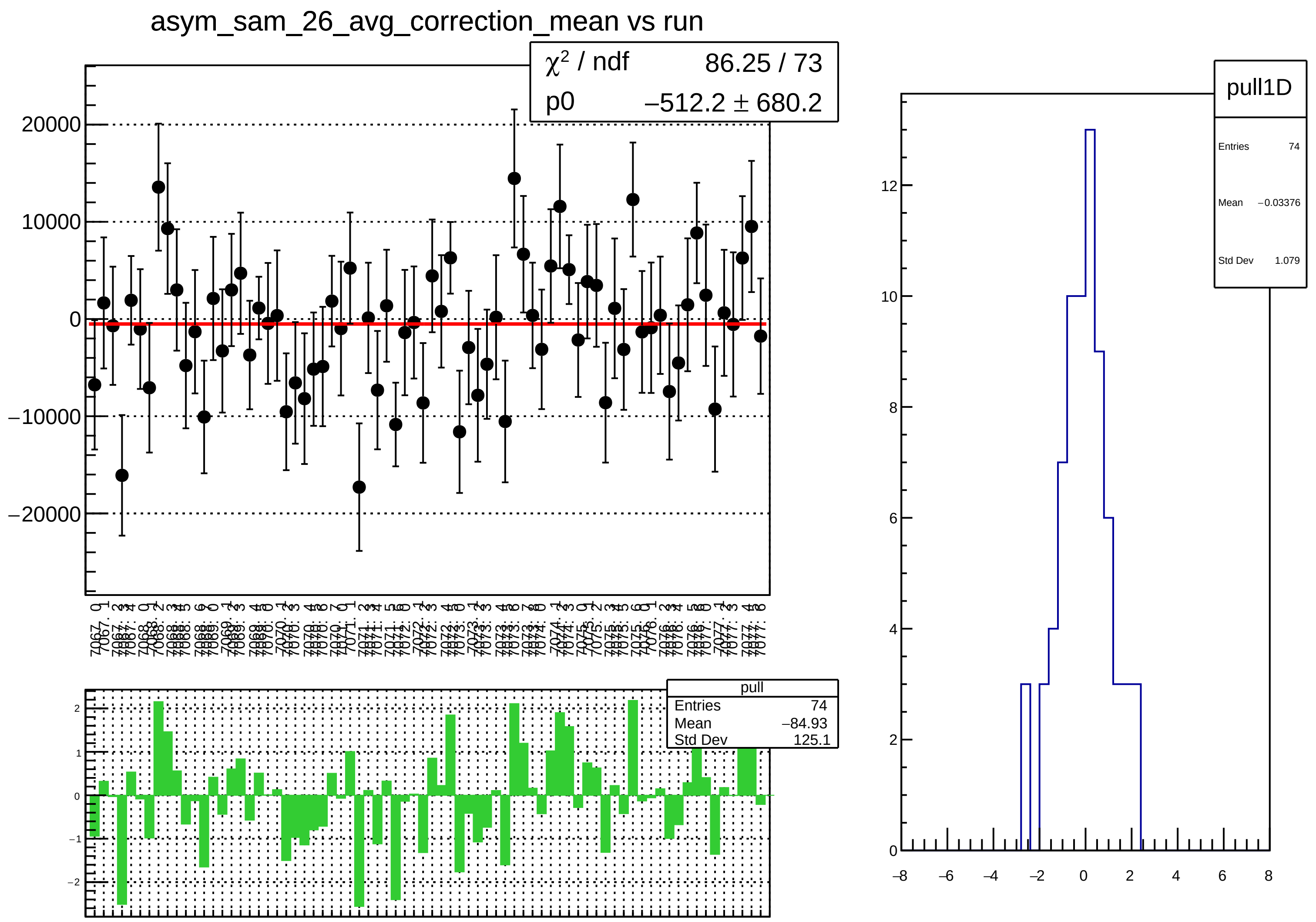
asym_sam_15_avg_mean vs run
χ^2 / ndf 62.21 / 73
p0 −592.8 ± 451.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean 176.5
Std Dev 129.2
pull1D
Entries 74
Mean −0.01867
Std Dev 0.9167


asym_sam_15_avg_rms vs run
χ^2 / ndf 5661 / 73
p0 394.4 ± 0.319
460
440
420
400
380
360
340

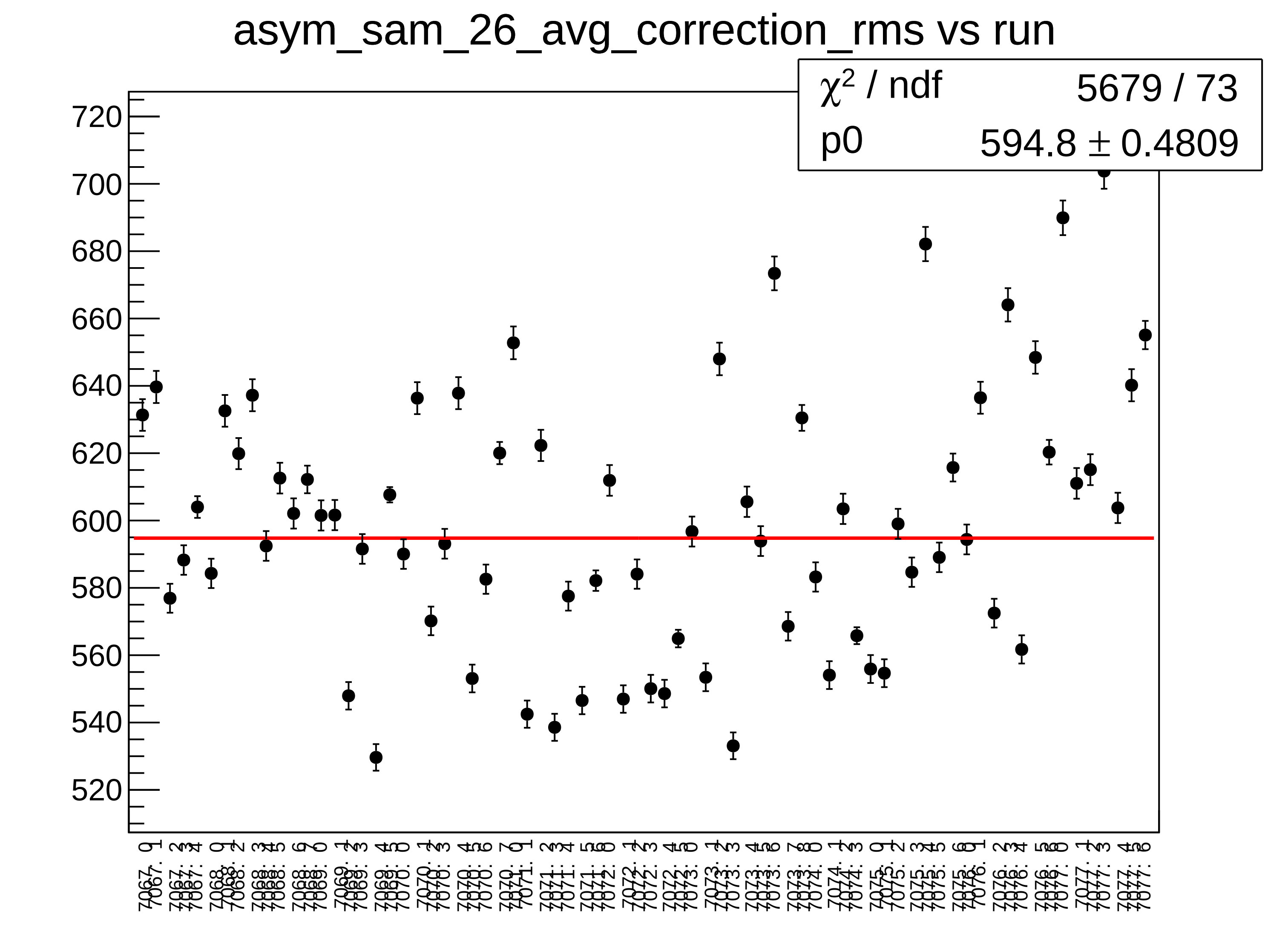


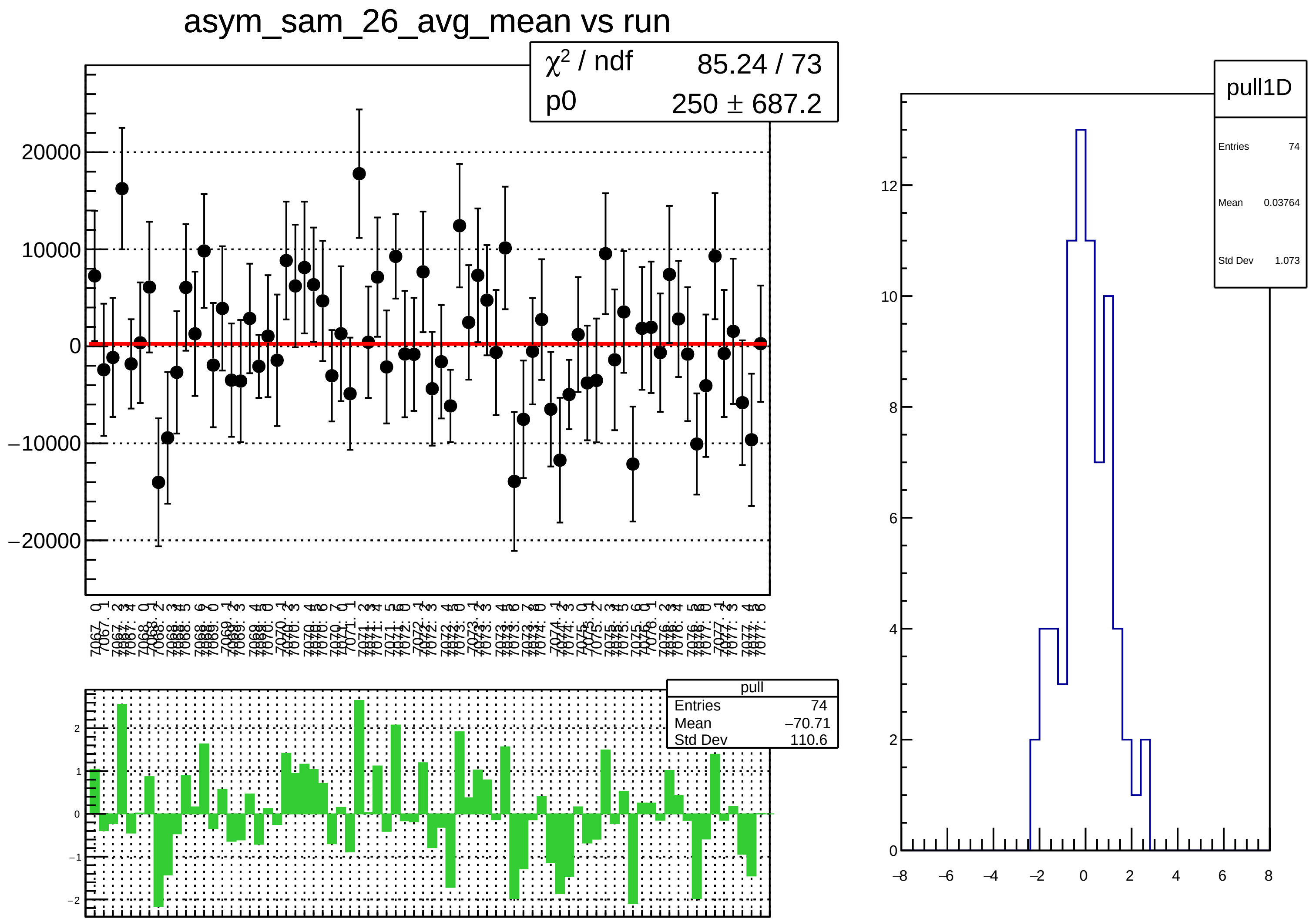
reg_asym_sam_26_avg_mean vs run
χ2 / ndf 59.28 / 73
p0 −258.1 ± 97.72
pull
Entries 74
Mean 39.69
Std Dev 26.85
pull1D
Entries 74
Mean 0.02855
Std Dev 0.8945


reg_asym_sam_26_avg_rms vs run
χ^2 / ndf 2911 / 73
p0 85.53 ± 0.0691
96
94
92
90
88
86
84
82
80
78

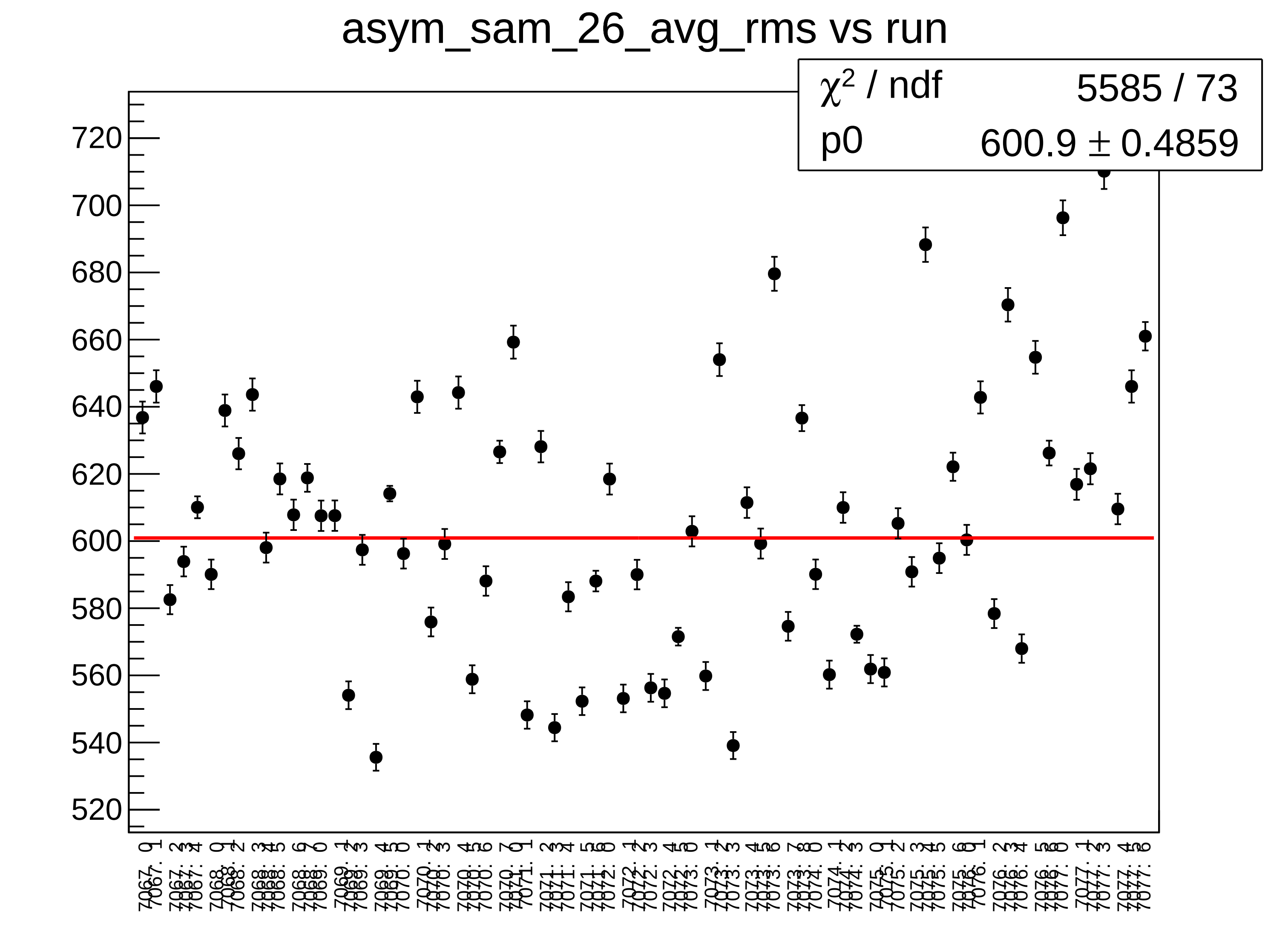


asym_sam_26_avg_correction_mean vs run
χ² / ndf 86.25 / 73
p0 −512.2 ± 680.2
pull
Entries 74
Mean −84.93
Std Dev 125.1
pull1D
Entries 74
Mean −0.03376
Std Dev 1.079

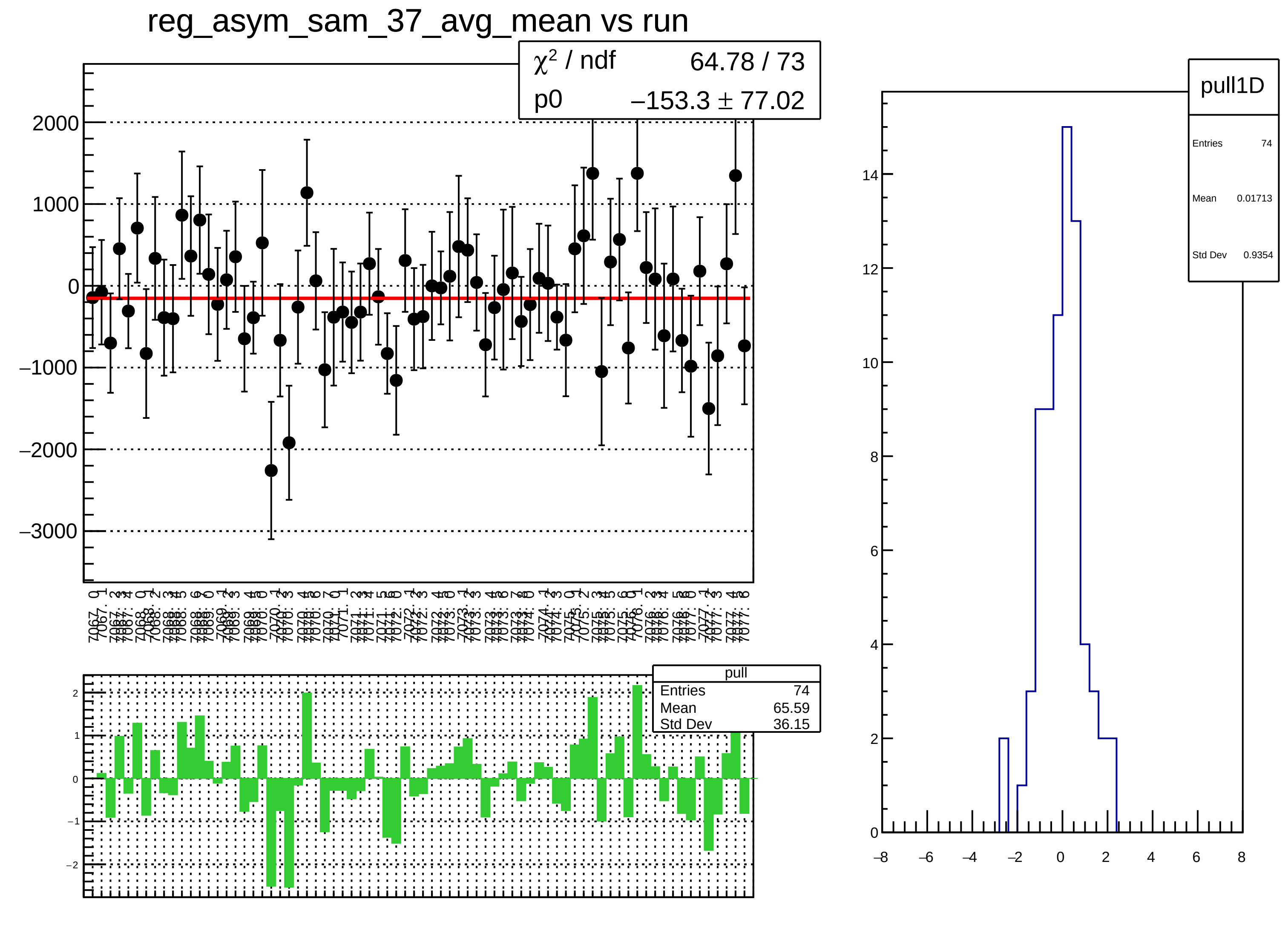

asym_sam_26_avg_correction_rms vs run
χ2 / ndf 5679 / 73
p0 594.8 ± 0.4809
720
700
680
660
640
620
600
580
560
540
520



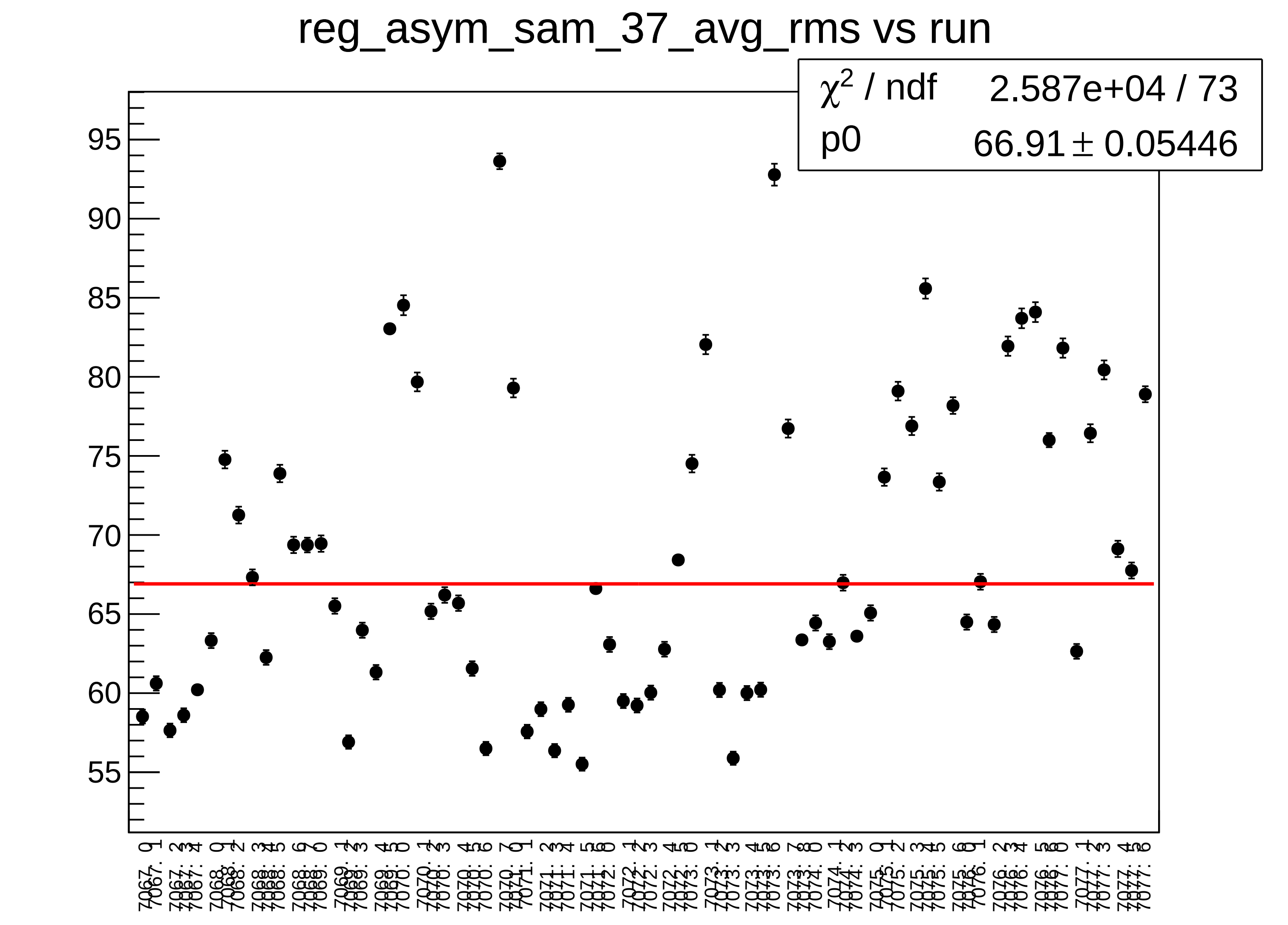
asym_sam_26_avg_mean vs run
χ^2 / ndf 85.24 / 73
p0 250 ± 687.2
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −70.71
Std Dev 110.6
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.03764
Std Dev 1.073
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8



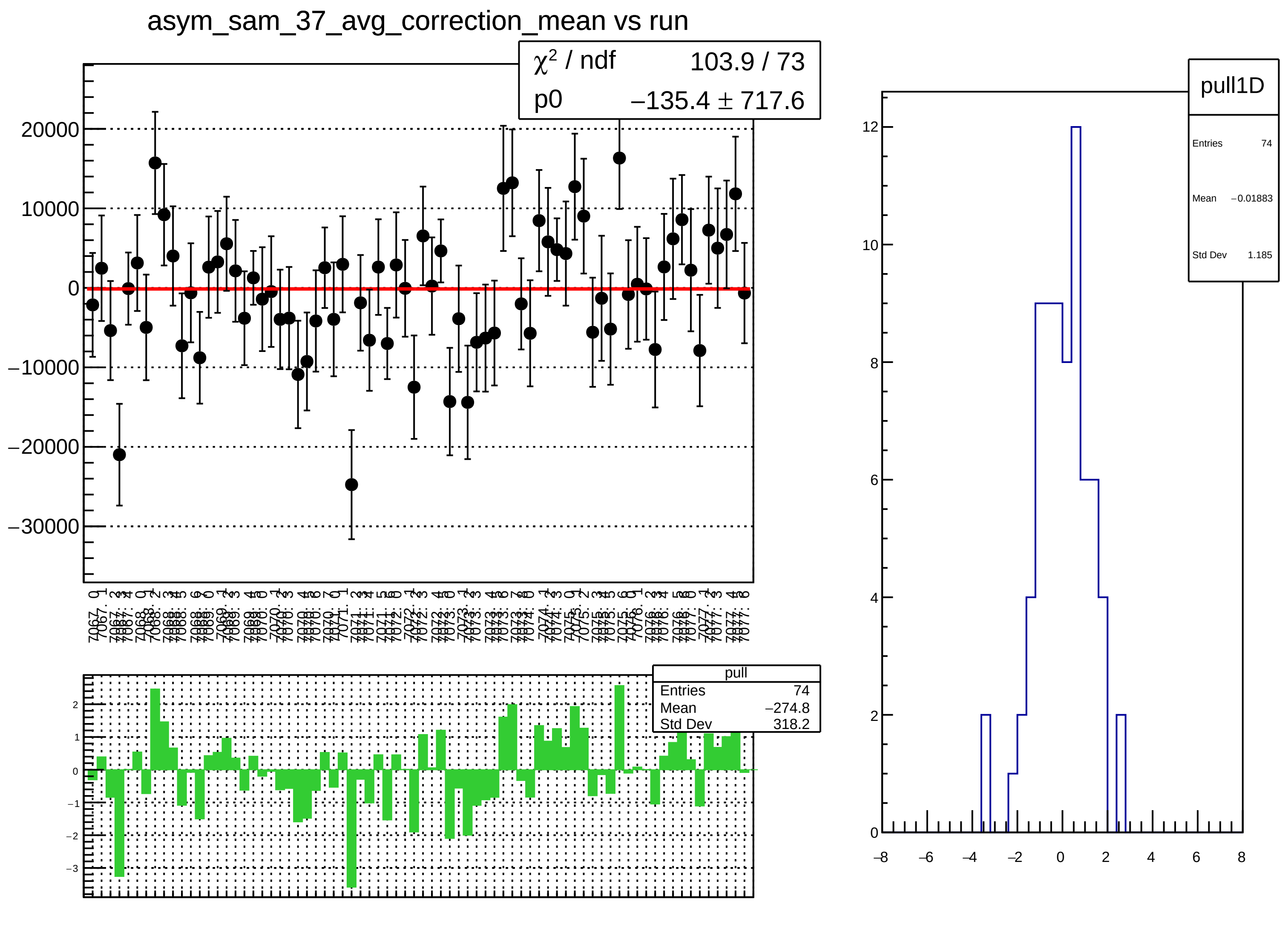
asym_sam_26_avg_rms vs run
χ^2 / ndf 5585 / 73
p0 600.9 ± 0.4859
720
700
680
660
640
620
600
580
560
540
520



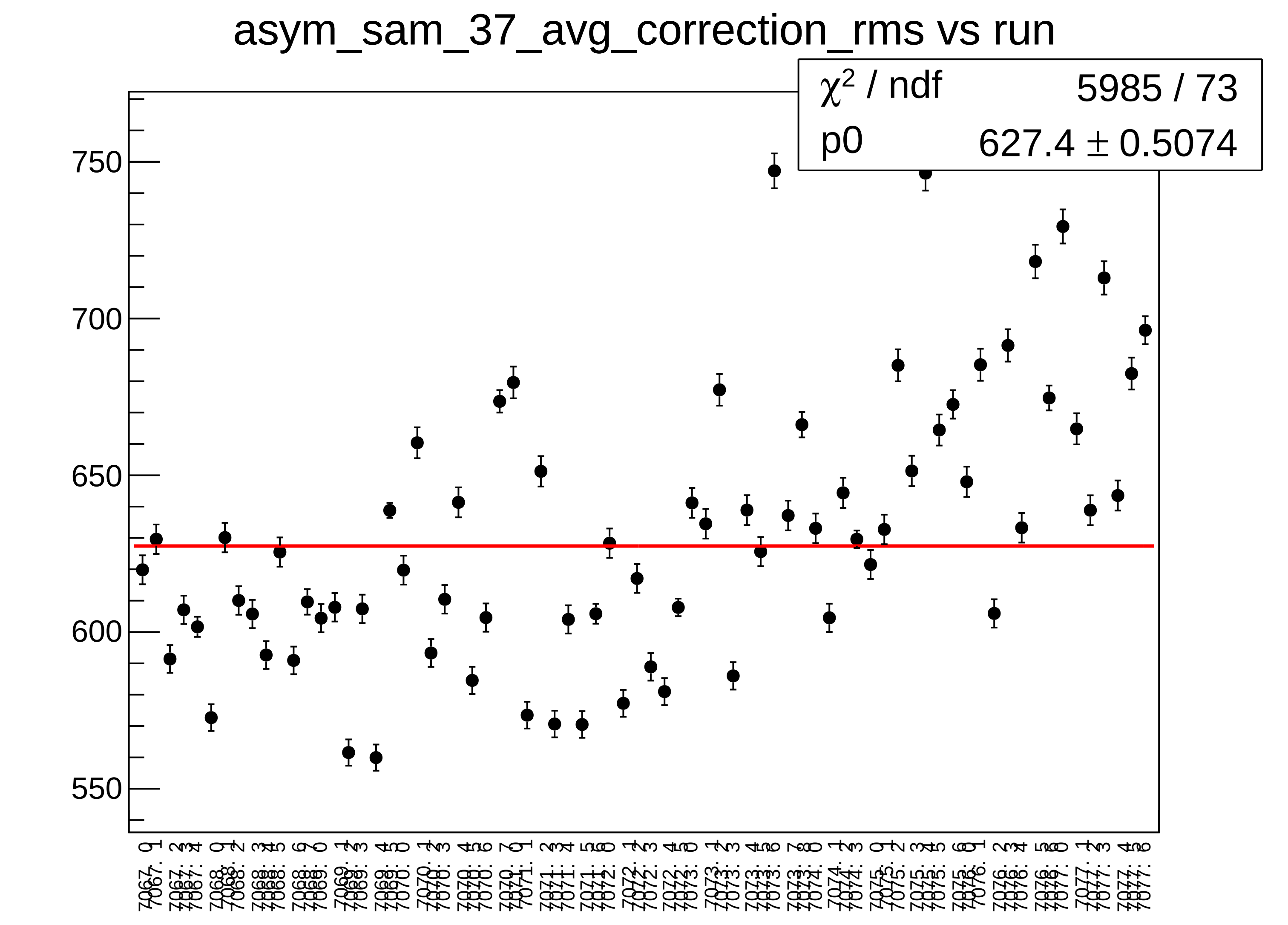
reg_asym_sam_37_avg_mean vs run
χ^2 / ndf 64.78 / 73
p0 −153.3 ± 77.02
pull
Entries 74
Mean 65.59
Std Dev 36.15
pull1D
Entries 74
Mean 0.01713
Std Dev 0.9354



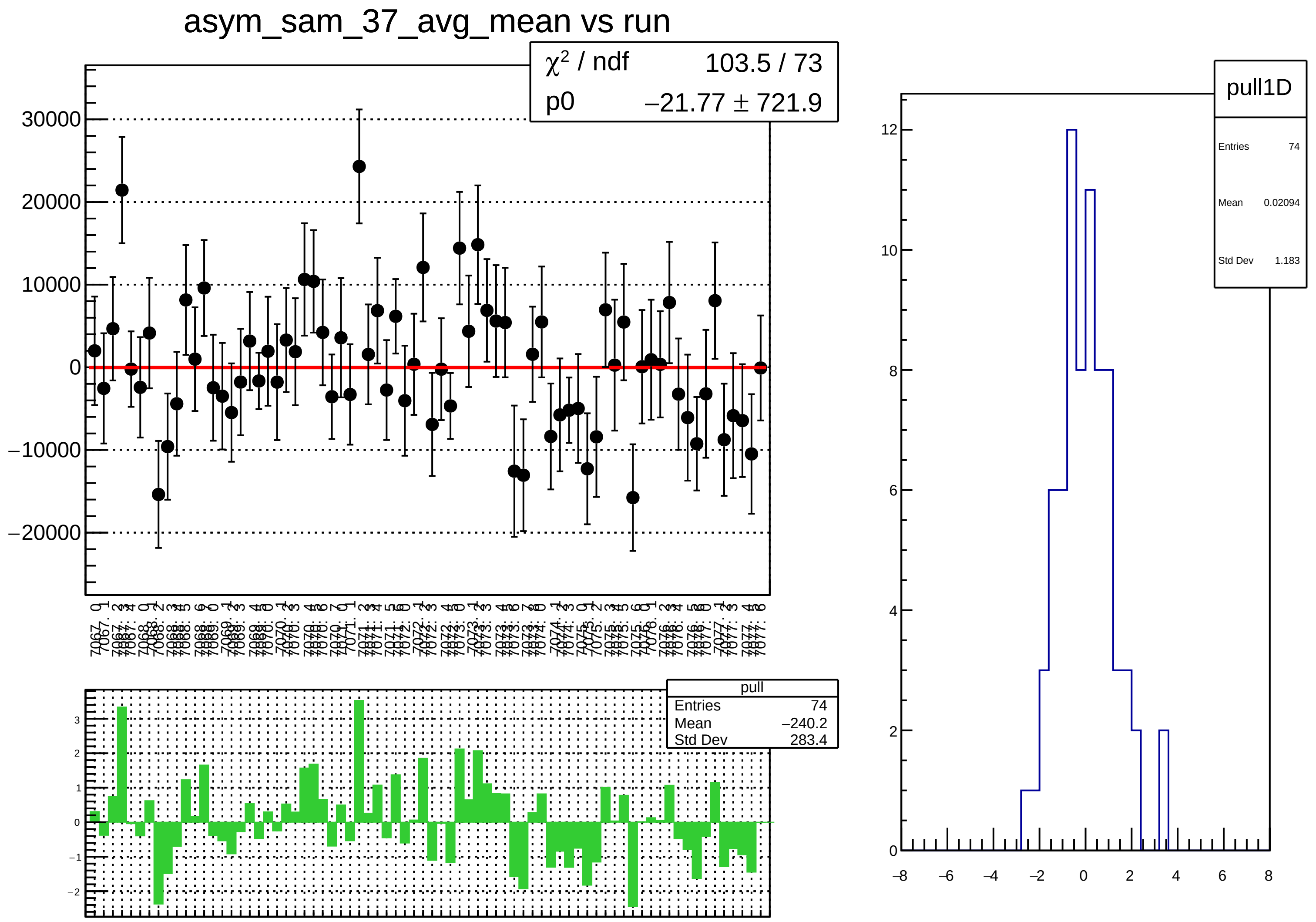
reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.587e+04 / 73
p0 66.91 ± 0.05446
95
90
85
80
75
70
65
60
55



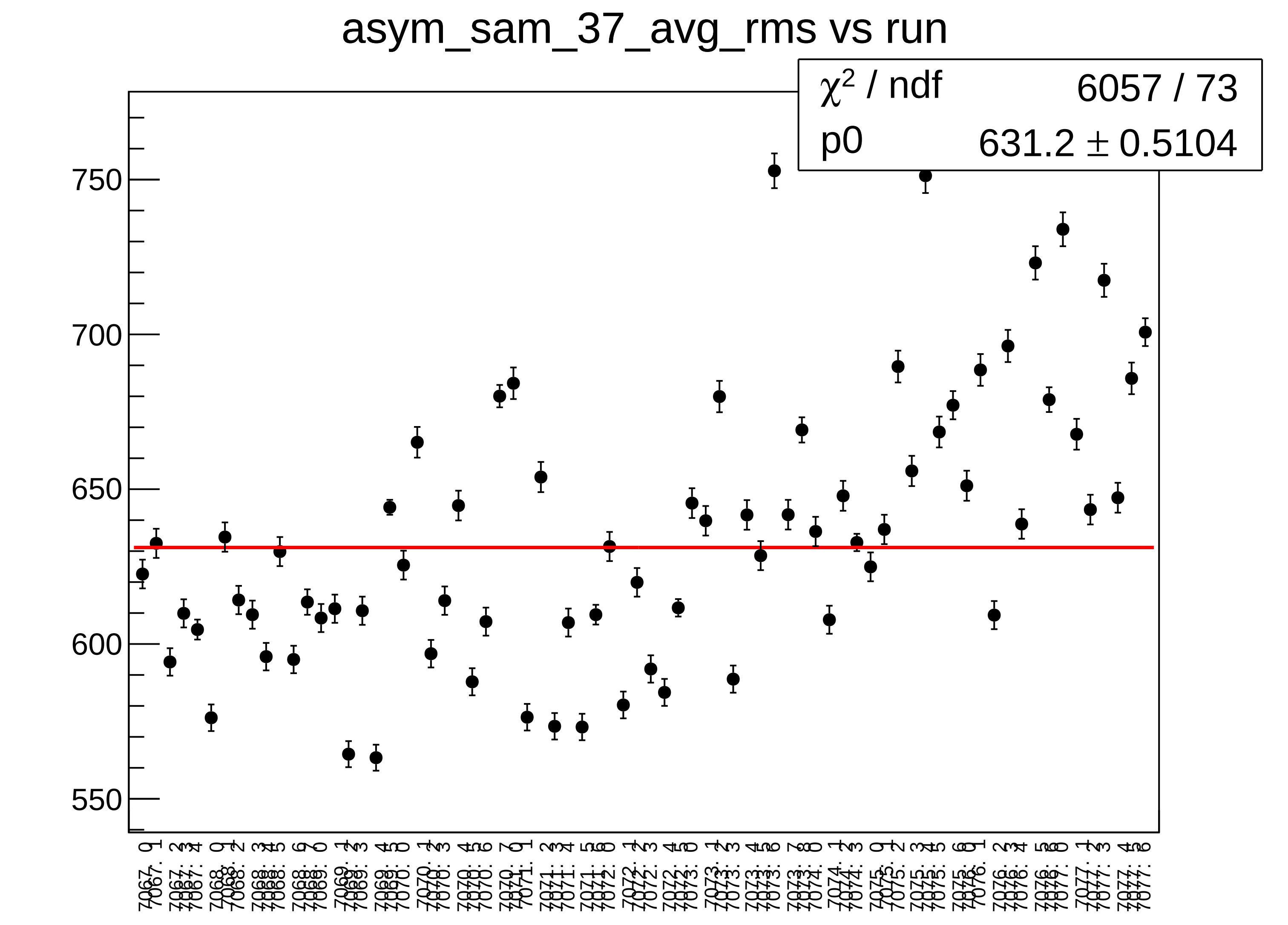
asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 103.9 / 73
p0 −135.4 ± 717.6
pull
Entries 74
Mean −274.8
Std Dev 318.2
pull1D
Entries 74
Mean −0.01883
Std Dev 1.185



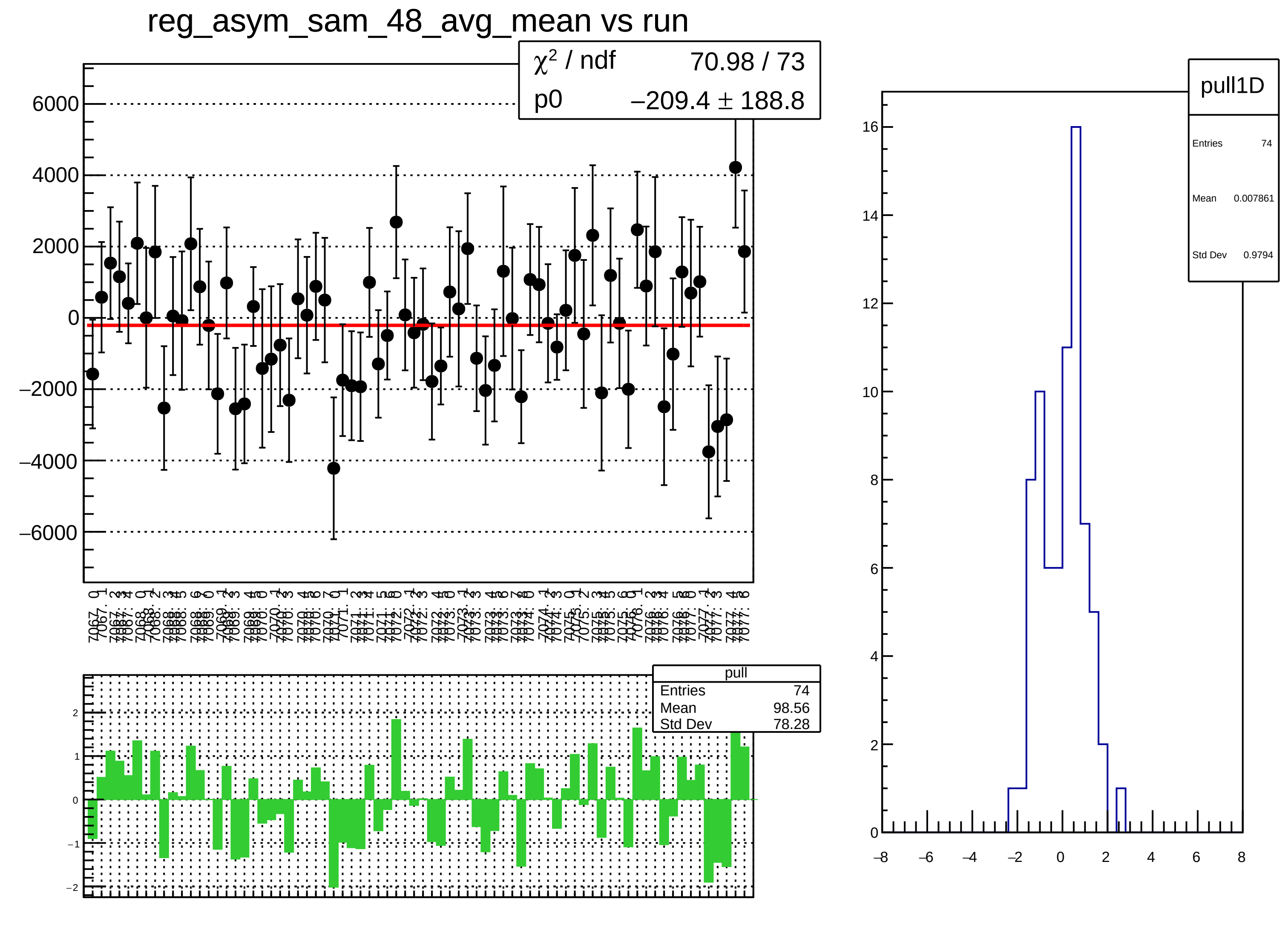
asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 5985 / 73
p0 627.4 ± 0.5074
750
700
650
600
550



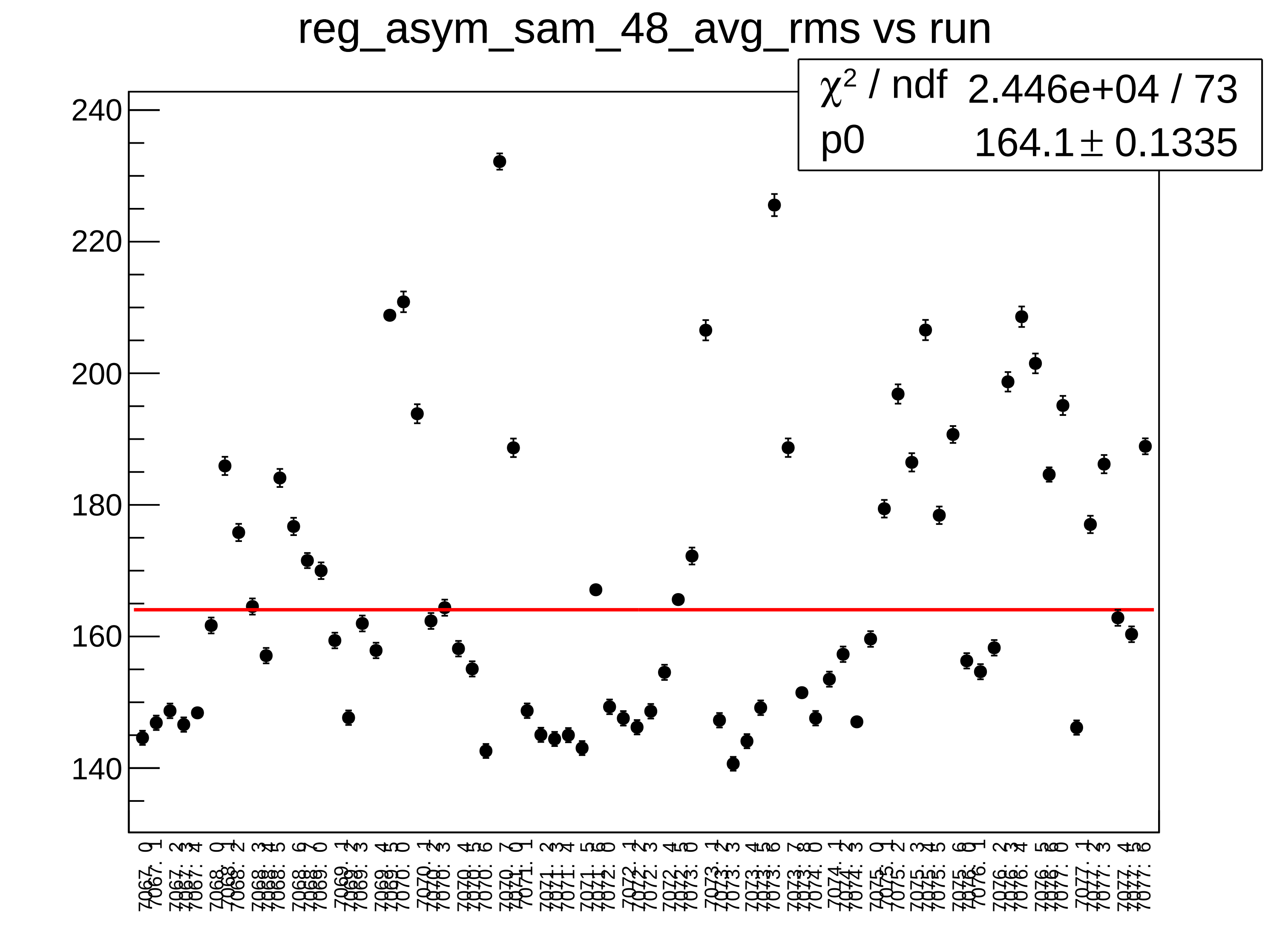
asym_sam_37_avg_mean vs run
χ^2 / ndf 103.5 / 73
p0 −21.77 ± 721.9
pull
Entries 74
Mean −240.2
Std Dev 283.4
pull1D
Entries 74
Mean 0.02094
Std Dev 1.183



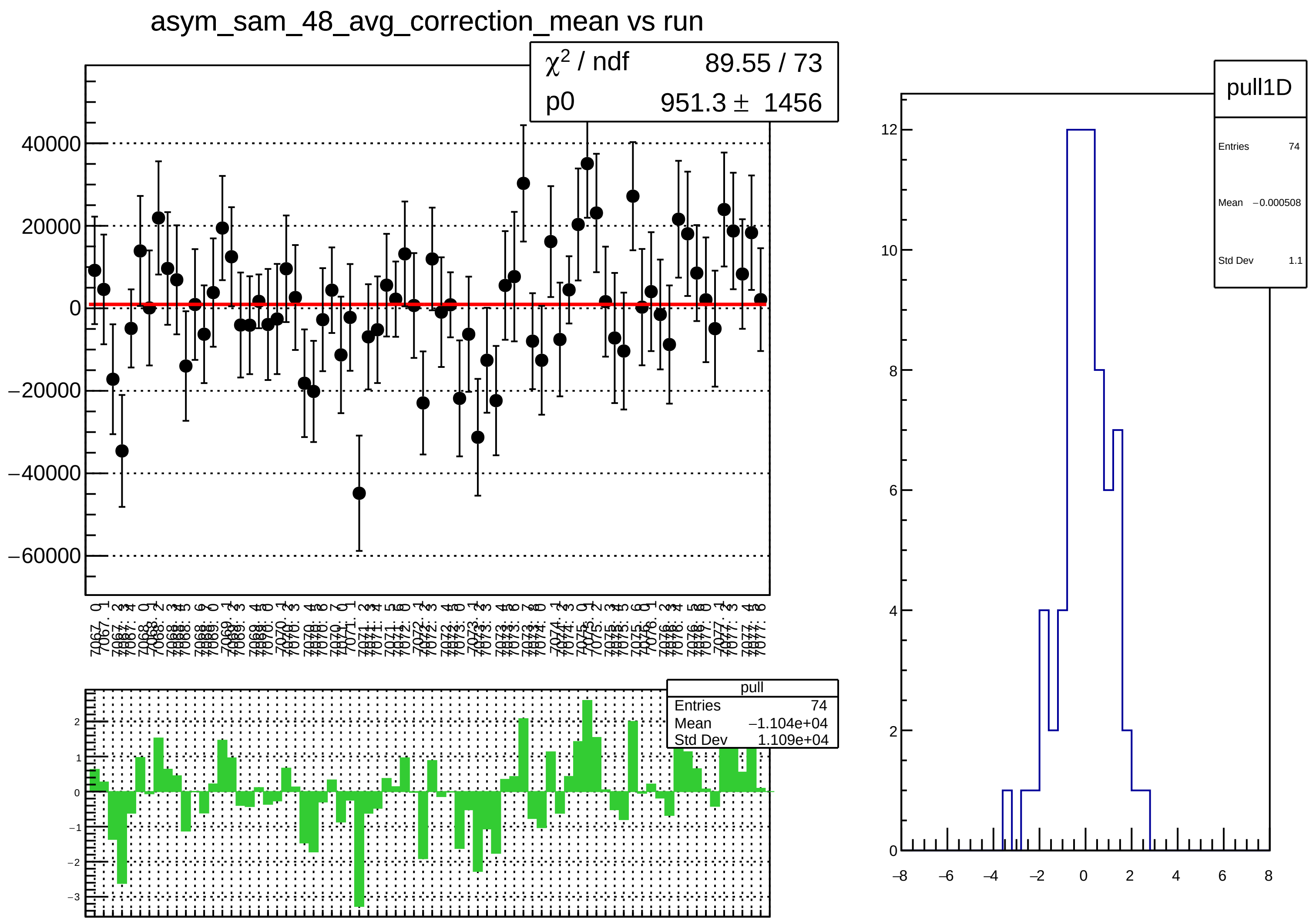
asym_sam_37_avg_rms vs run
χ2 / ndf 6057 / 73
p0 631.2 ± 0.5104
750
700
650
600
550

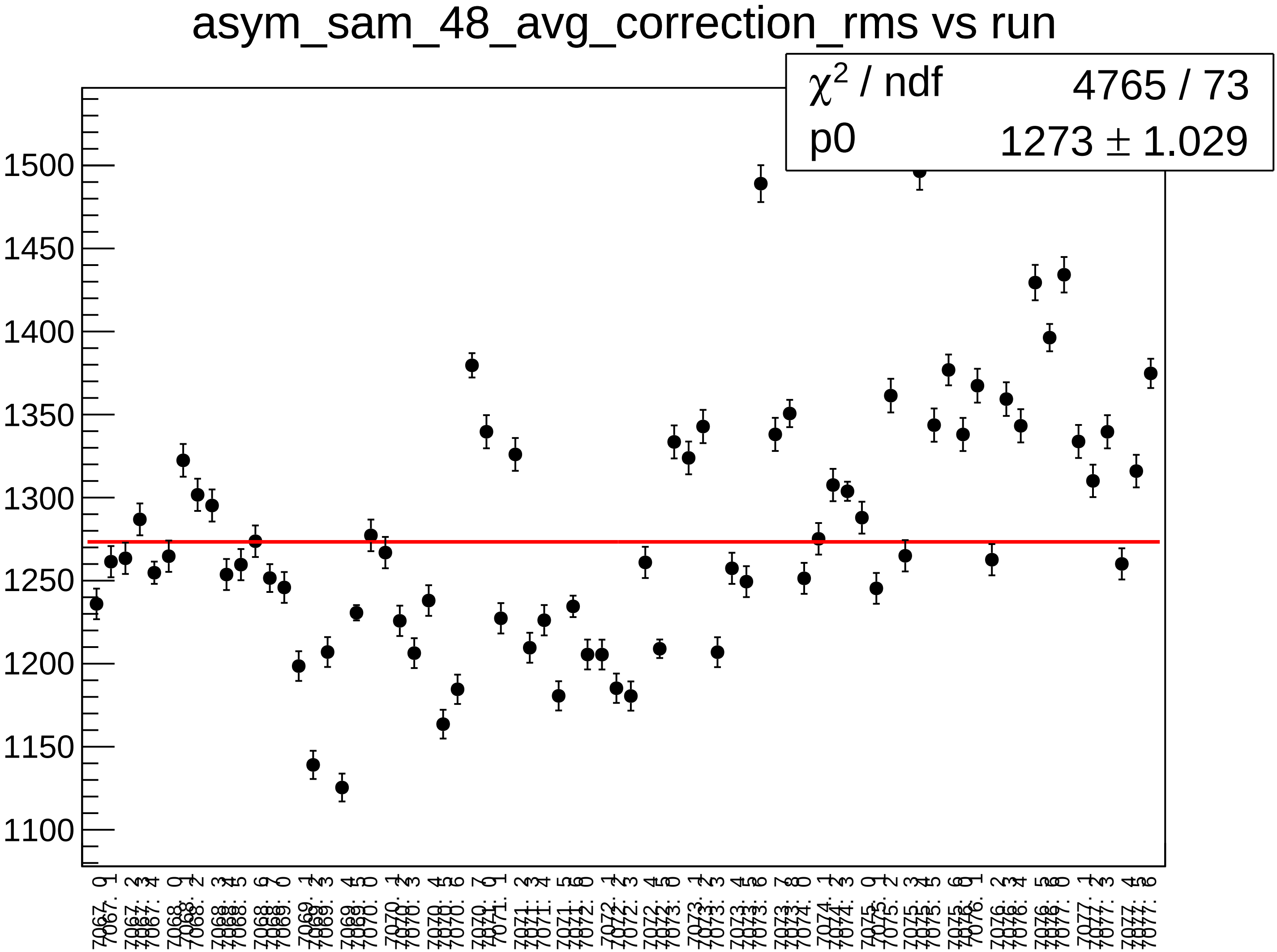


reg_asym_sam_48_avg_mean vs run
χ^2 / ndf 70.98 / 73
p0 −209.4 ± 188.8
pull
Entries 74
Mean 98.56
Std Dev 78.28
pull1D
Entries 74
Mean 0.007861
Std Dev 0.9794

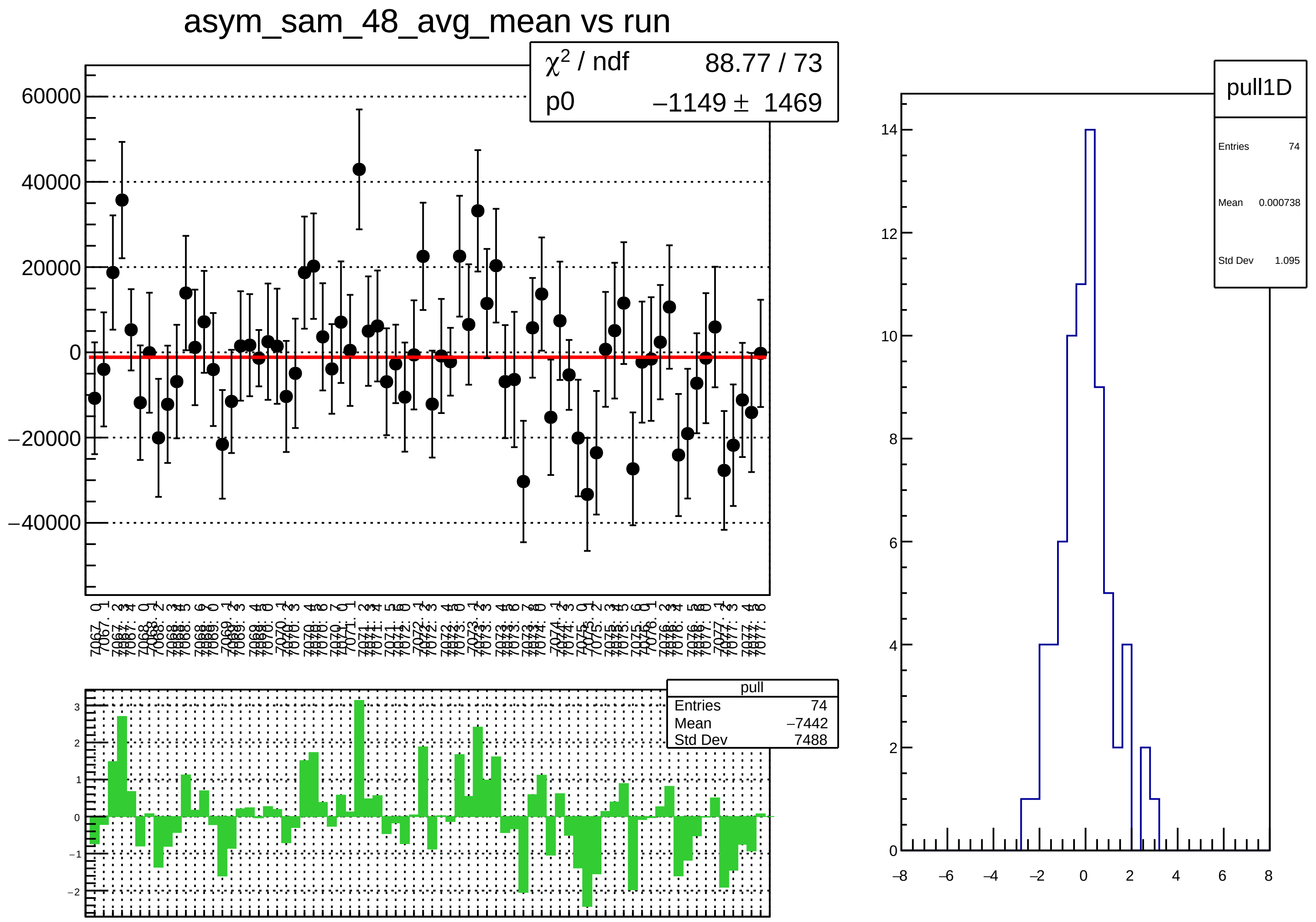


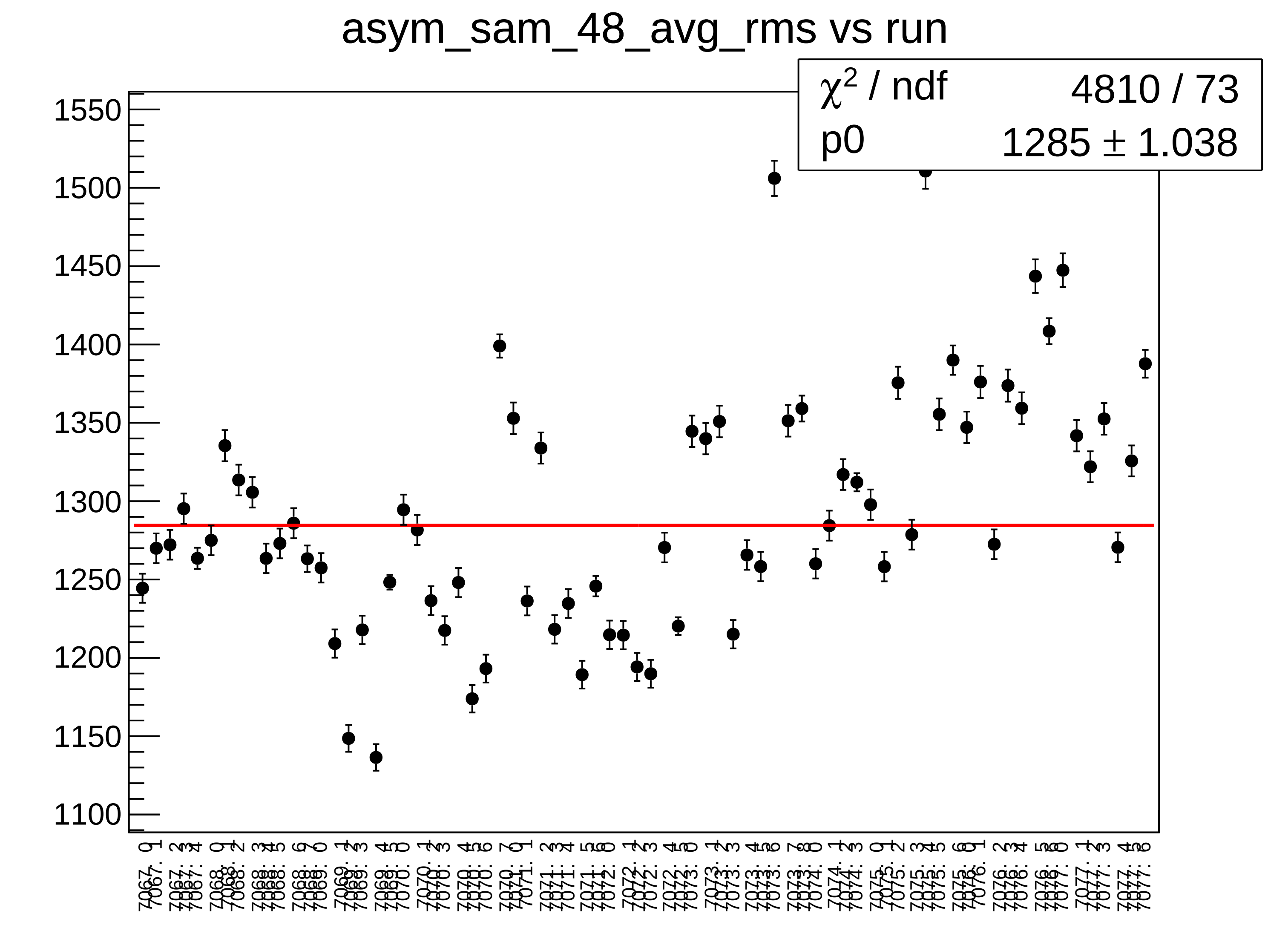
reg_asym_sam_48_avg_rms vs run
χ2 / ndf 2.446e+04 / 73
p0 164.1 ± 0.1335

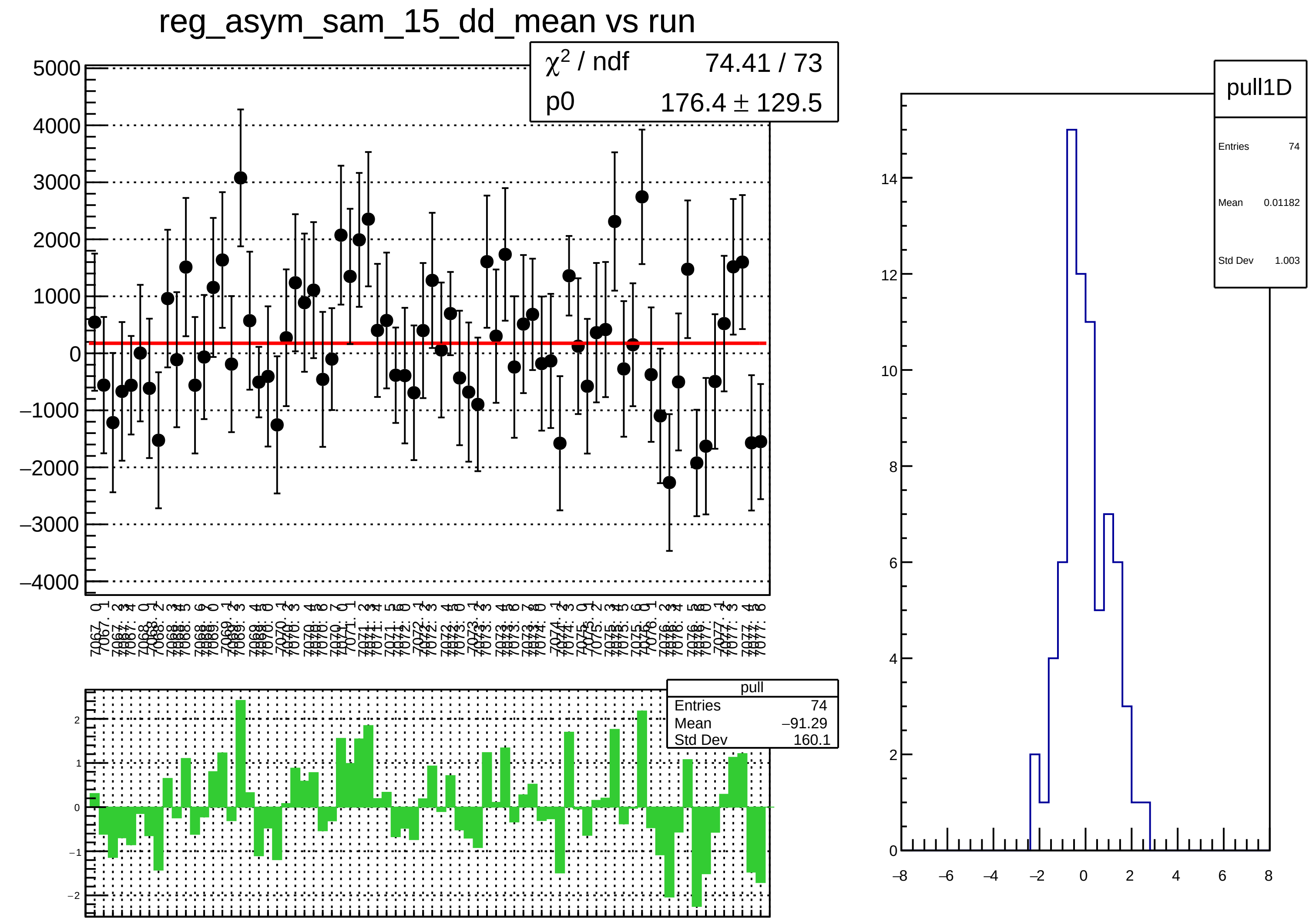

asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 89.55 / 73
p0 951.3 ± 1456
40000
20000
0
−20000
−40000
−60000
pull
Entries 74
Mean −1.104e+04
Std Dev 1.109e+04
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.000508
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

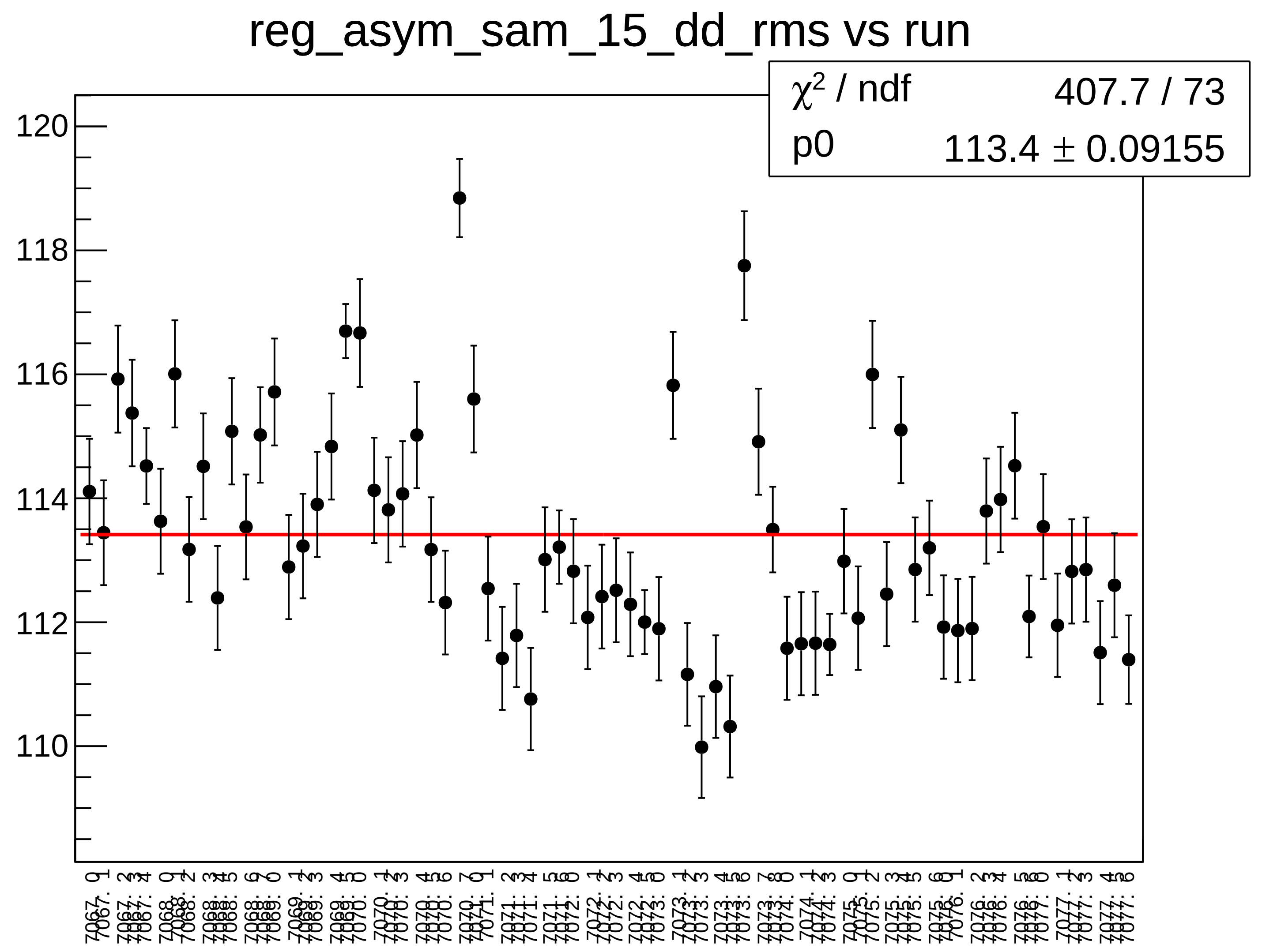


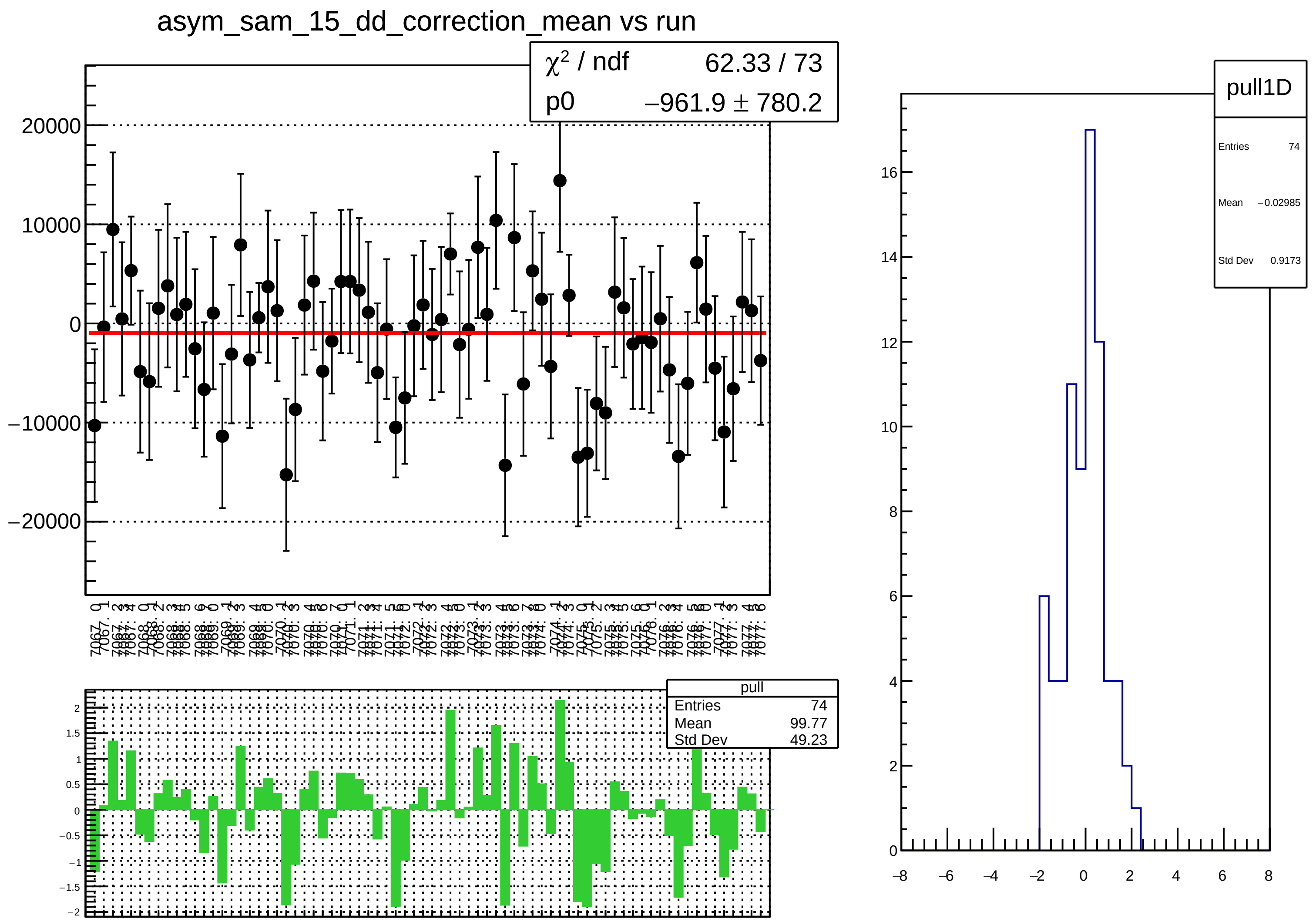
asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 4765 / 73
p0 1273 ± 1.029
1500
1450
1400
1350
1300
1250
1200
1150
1100

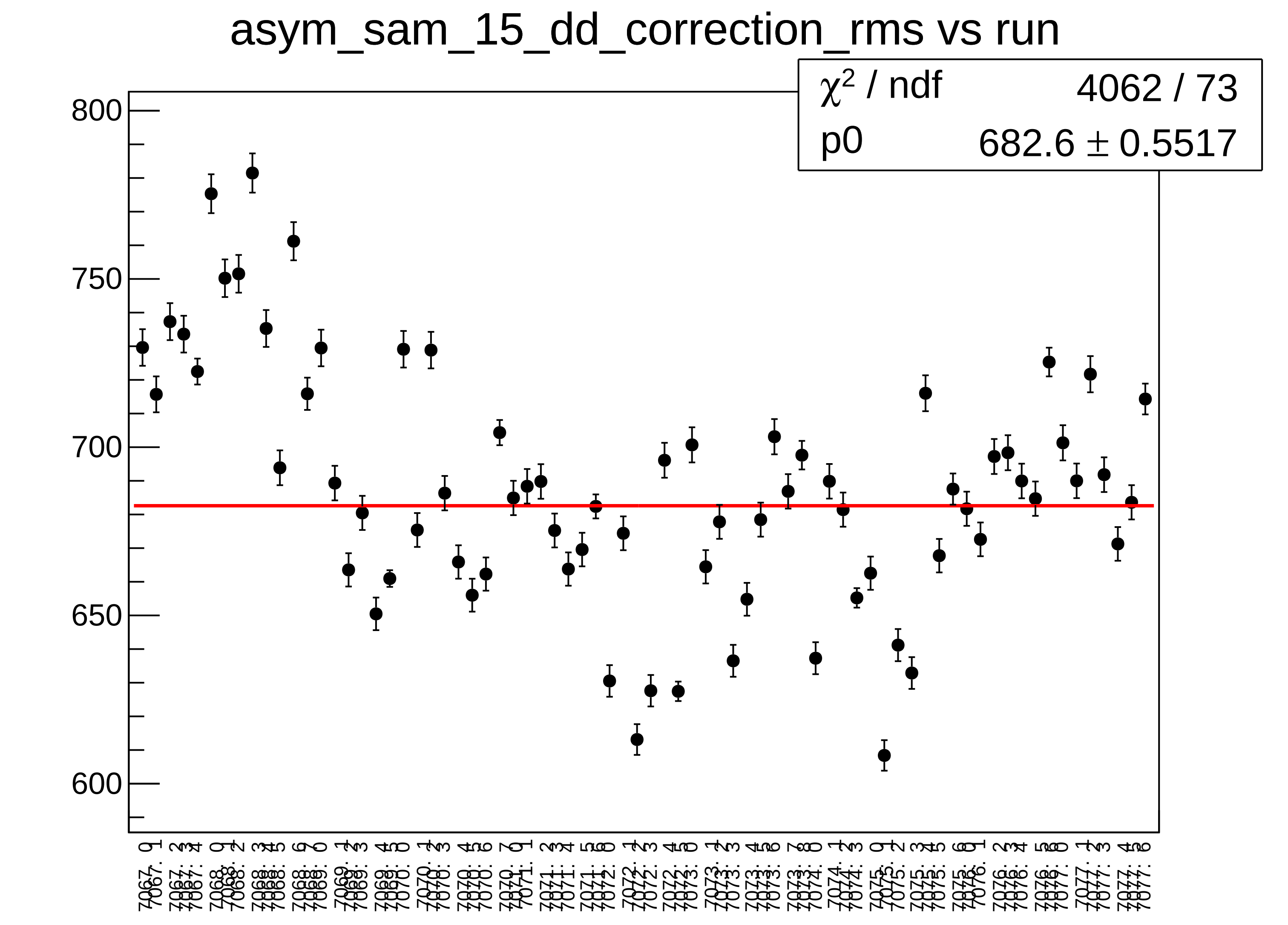

asym_sam_48_avg_mean vs run
χ2 / ndf 88.77 / 73
p0 −1149 ± 1469
pull
Entries 74
Mean −7442
Std Dev 7488
pull1D
Entries 74
Mean 0.000738
Std Dev 1.095


asym_sam_48_avg_rms vs run
χ2 / ndf 4810 / 73
p0 1285 ± 1.038
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100

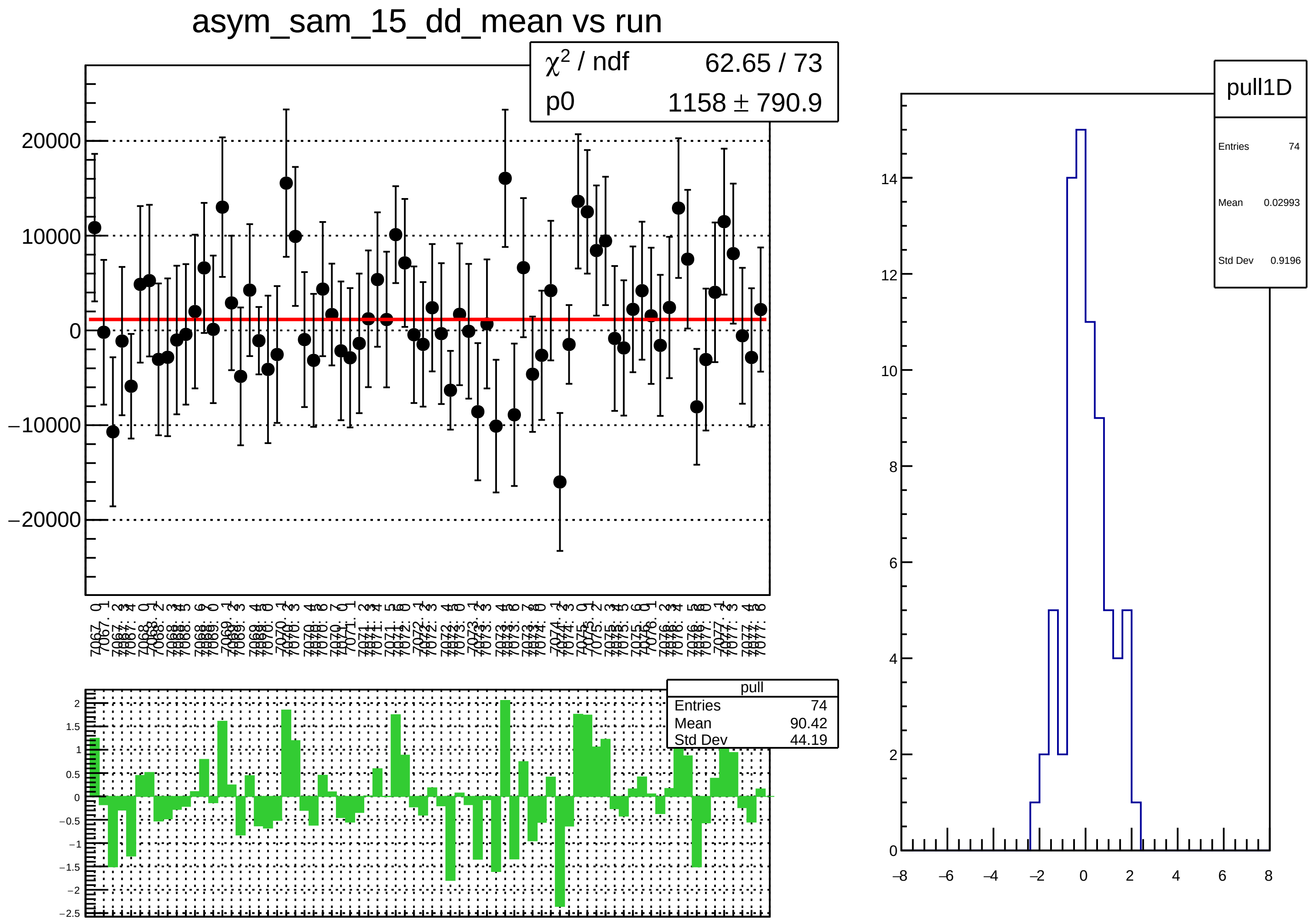

reg_asym_sam_15_dd_mean vs run
χ2 / ndf 74.41 / 73
p0 176.4 ± 129.5
pull
Entries 74
Mean −91.29
Std Dev 160.1
pull1D
Entries 74
Mean 0.01182
Std Dev 1.003

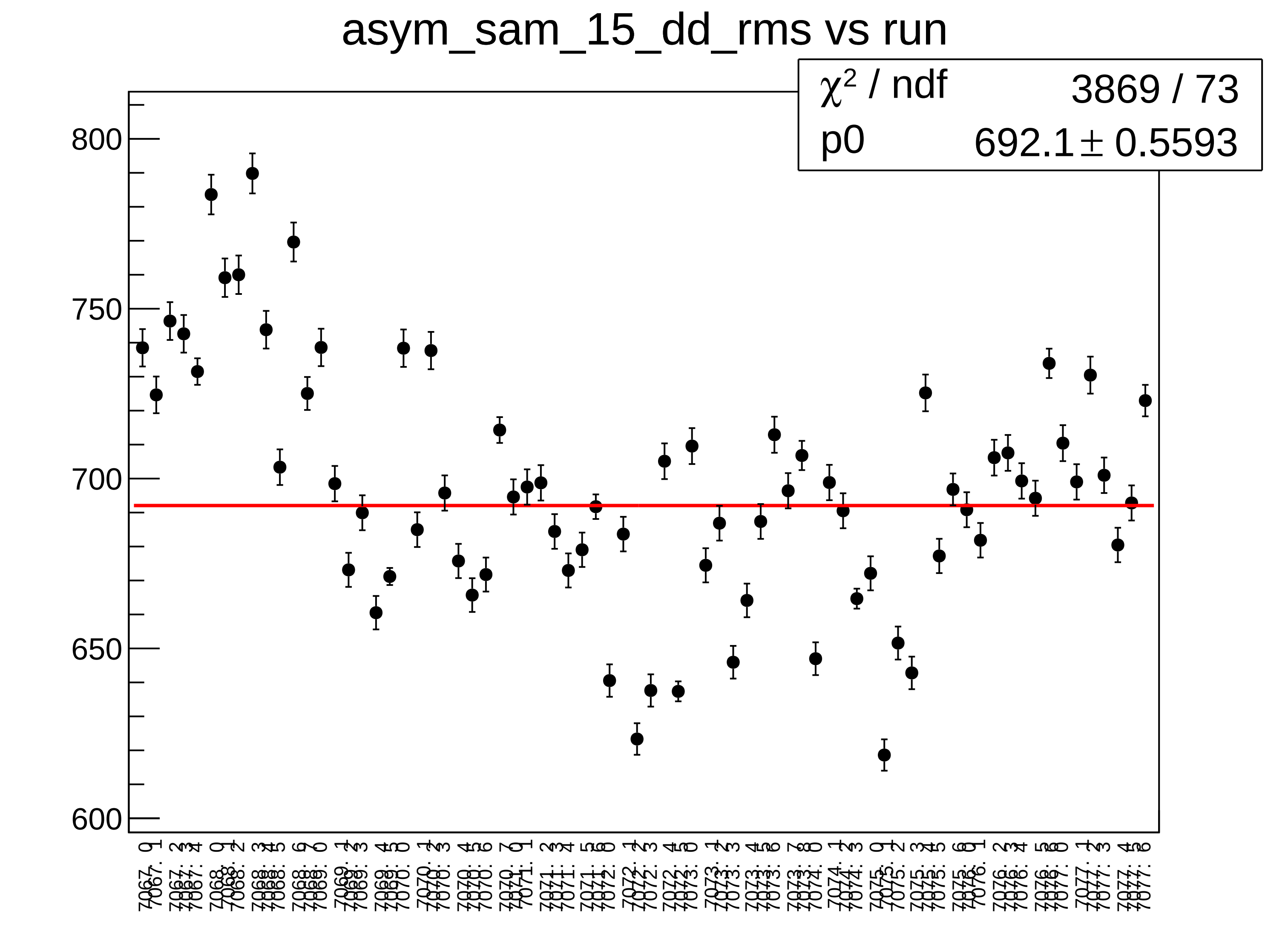

reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 407.7 / 73
p0 113.4 ± 0.09155
120
118
116
114
112
110

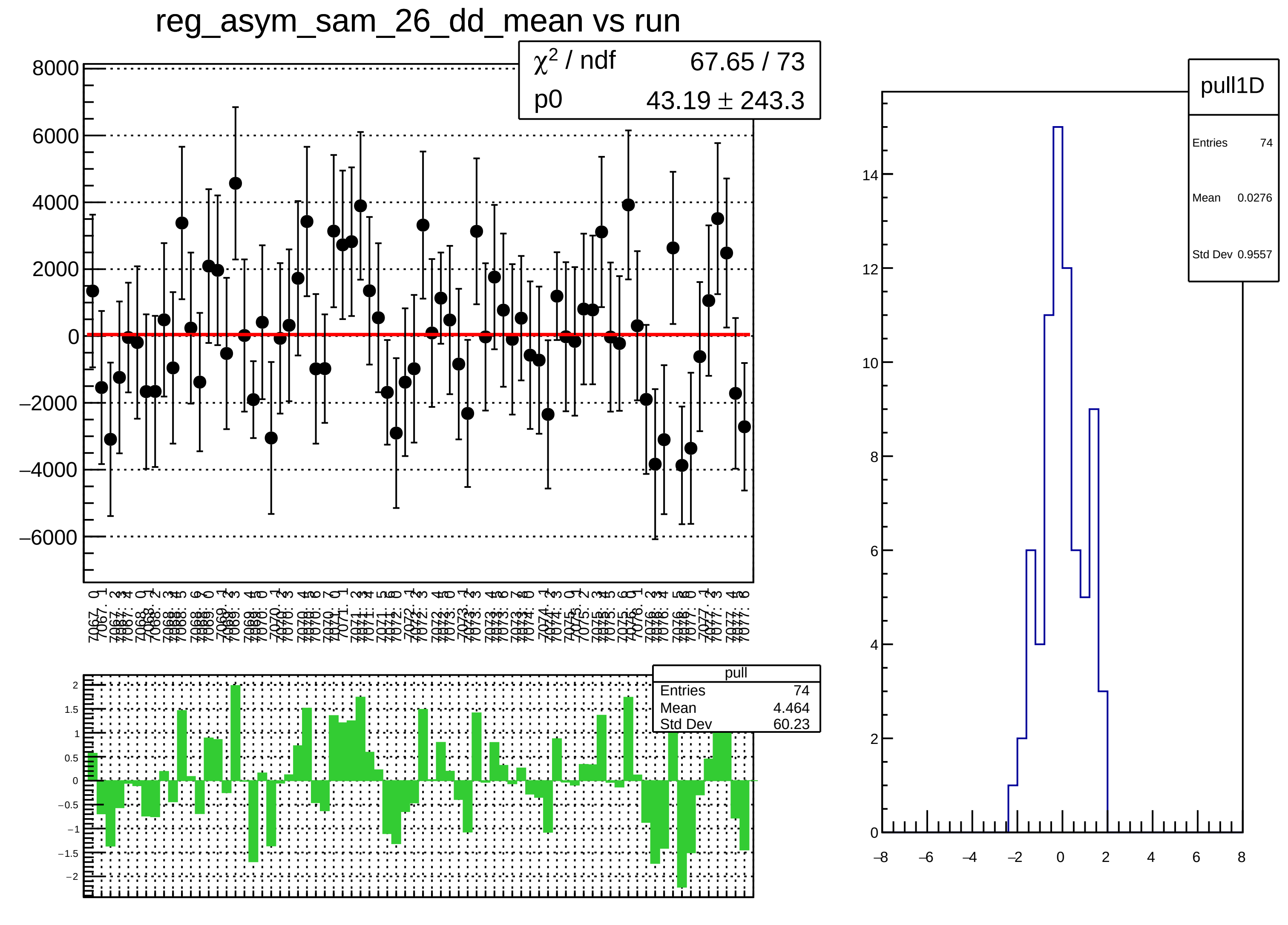

asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 62.33 / 73
p0 −961.9 ± 780.2
pull
Entries 74
Mean 99.77
Std Dev 49.23
pull1D
Entries 74
Mean −0.02985
Std Dev 0.9173



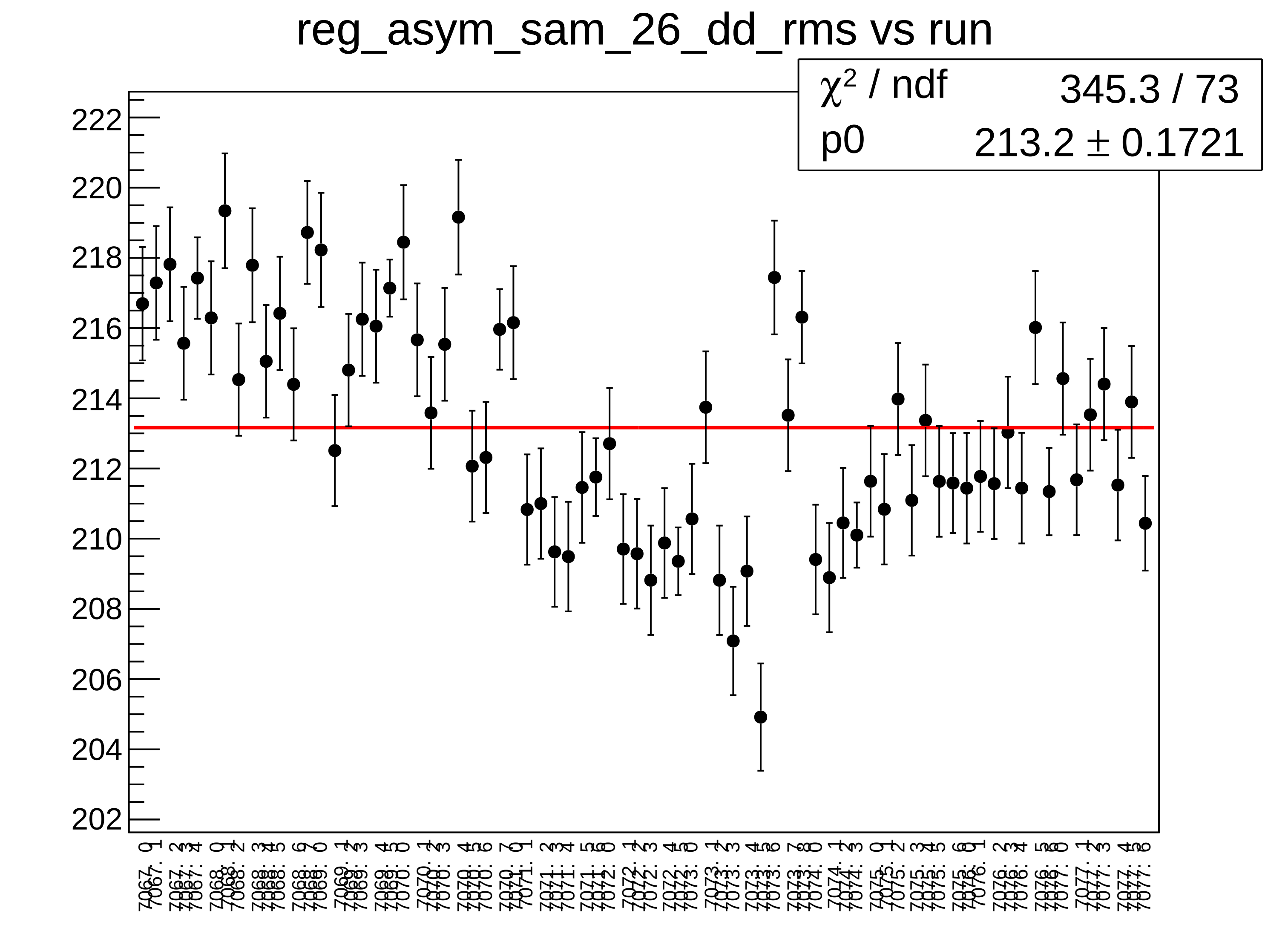
asym_sam_15_dd_correction_rms vs run
χ2 / ndf 4062 / 73
p0 682.6 ± 0.5517
800
750
700
650
600

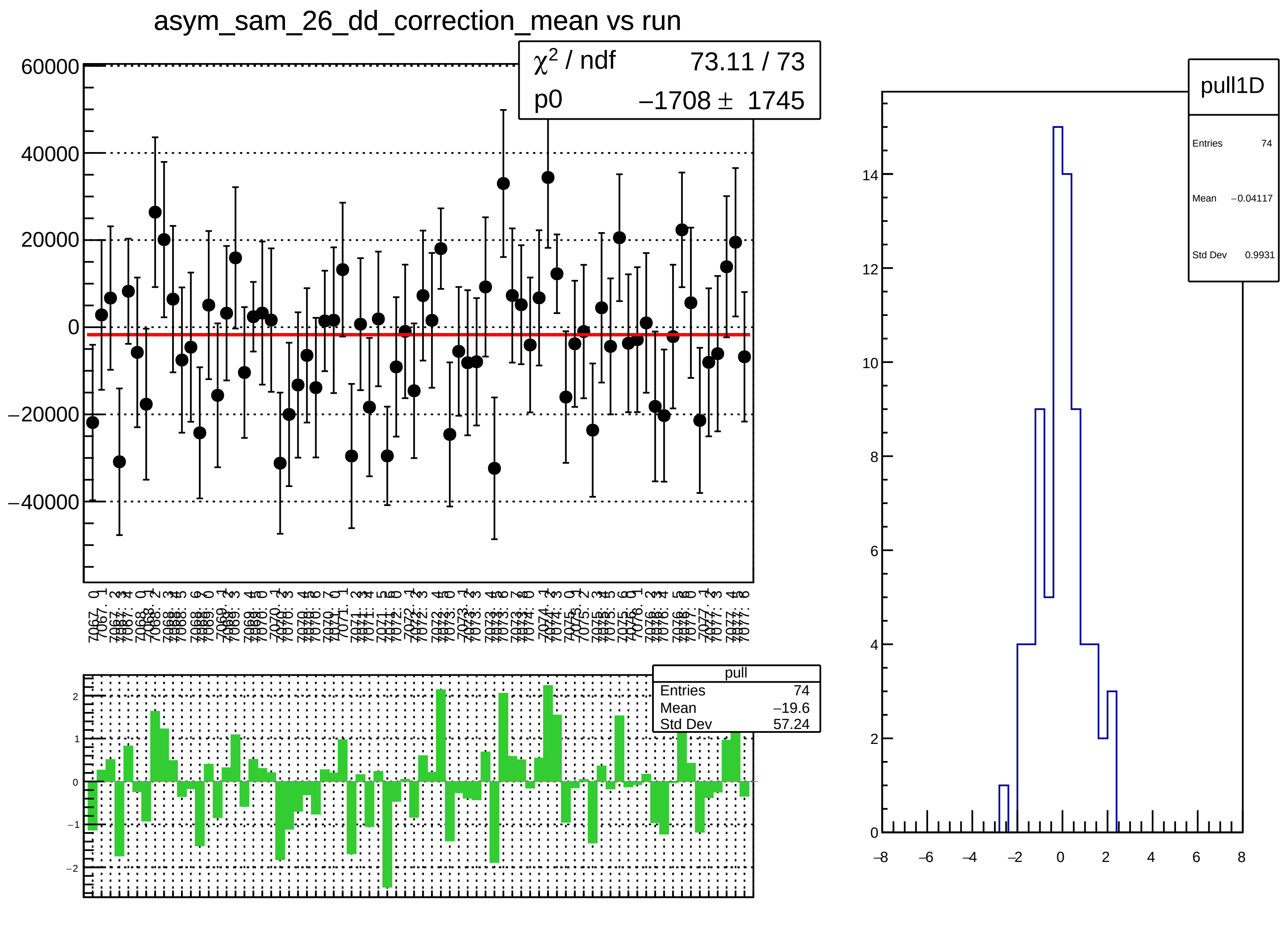

asym_sam_15_dd_mean vs run
χ^2 / ndf 62.65 / 73
p0 1158 ± 790.9
20000
10000
0
−10000
−20000
pull
Entries 74
Mean 90.42
Std Dev 44.19
pull1D
Entries 74
Mean 0.02993
Std Dev 0.9196


asym_sam_15_dd_rms vs run
χ^2 / ndf 3869 / 73
p0 692.1 ± 0.5593
800
750
700
650
600

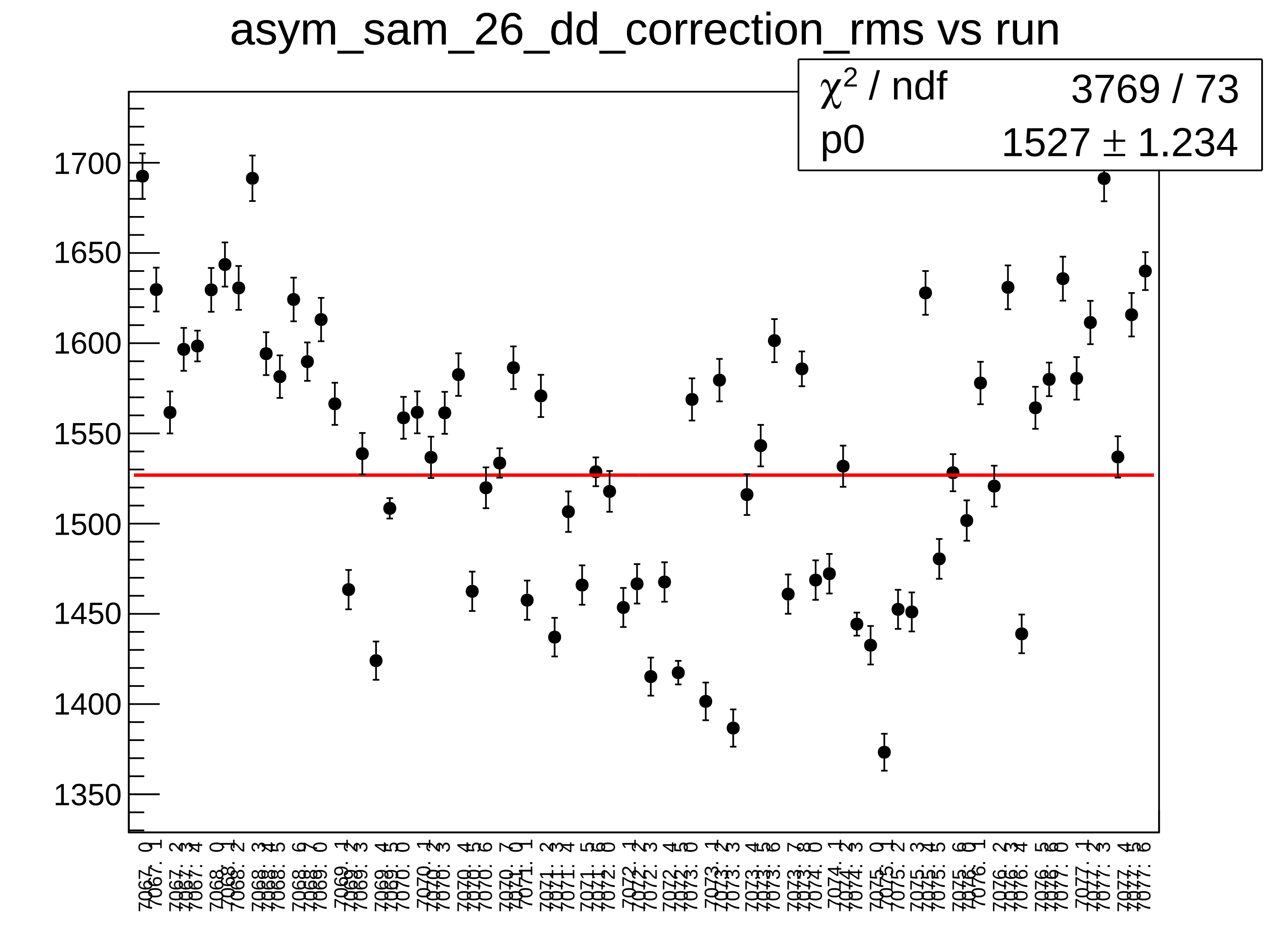


reg_asym_sam_26_dd_mean vs run
χ^2 / ndf 67.65 / 73
p0 43.19 ± 243.3
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 74
Mean 4.464
Std Dev 60.23
pull1D
Entries 74
Mean 0.0276
Std Dev 0.9557

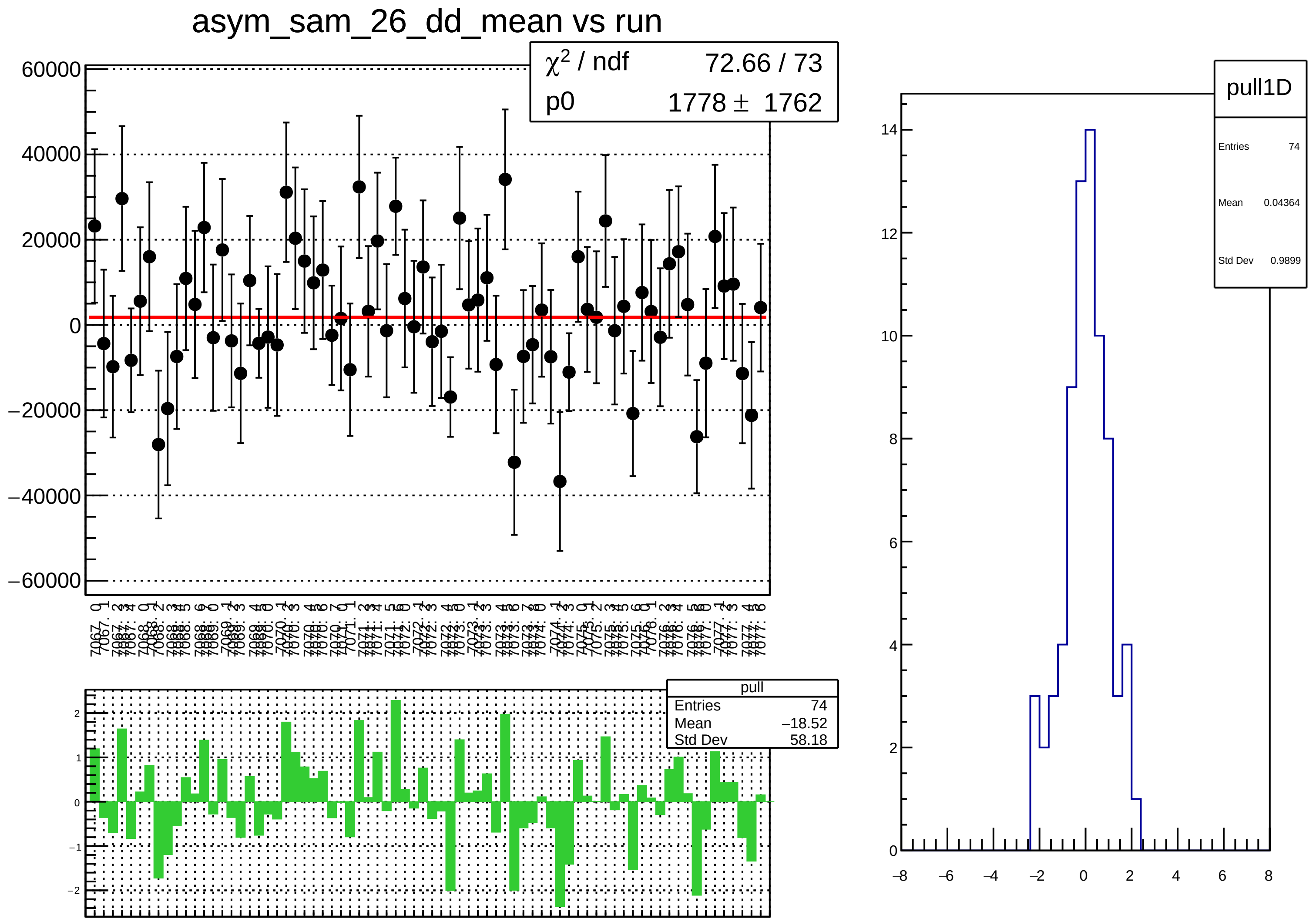

reg_asym_sam_26_dd_rms vs run
χ² / ndf 345.3 / 73
p0 213.2 ± 0.1721
222
220
218
216
214
212
210
208
206
204
202



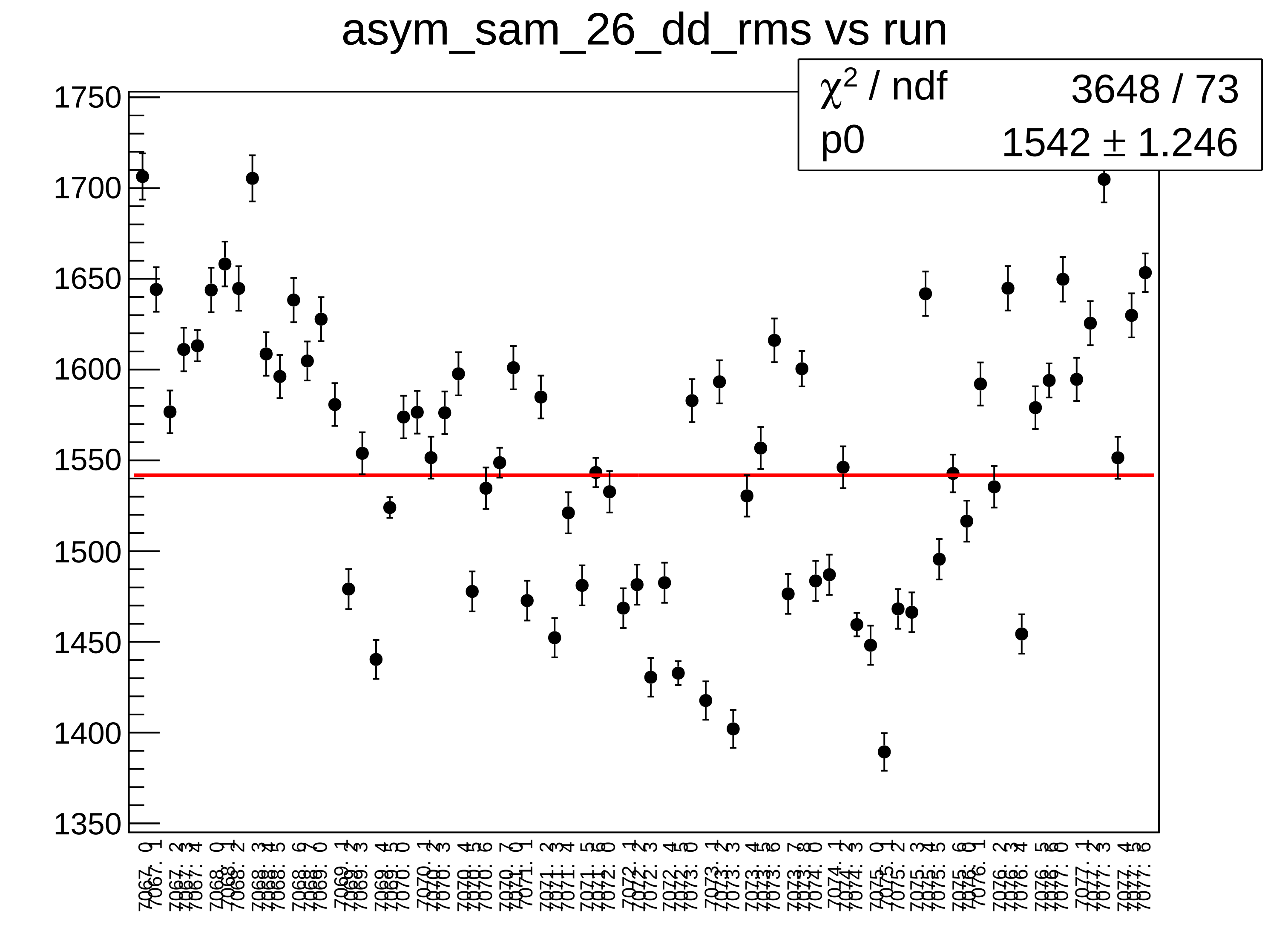
asym_sam_26_dd_correction_mean vs run
χ2 / ndf 73.11 / 73
p0 −1708 ± 1745
pull
Entries 74
Mean −19.6
Std Dev 57.24
pull1D
Entries 74
Mean −0.04117
Std Dev 0.9931



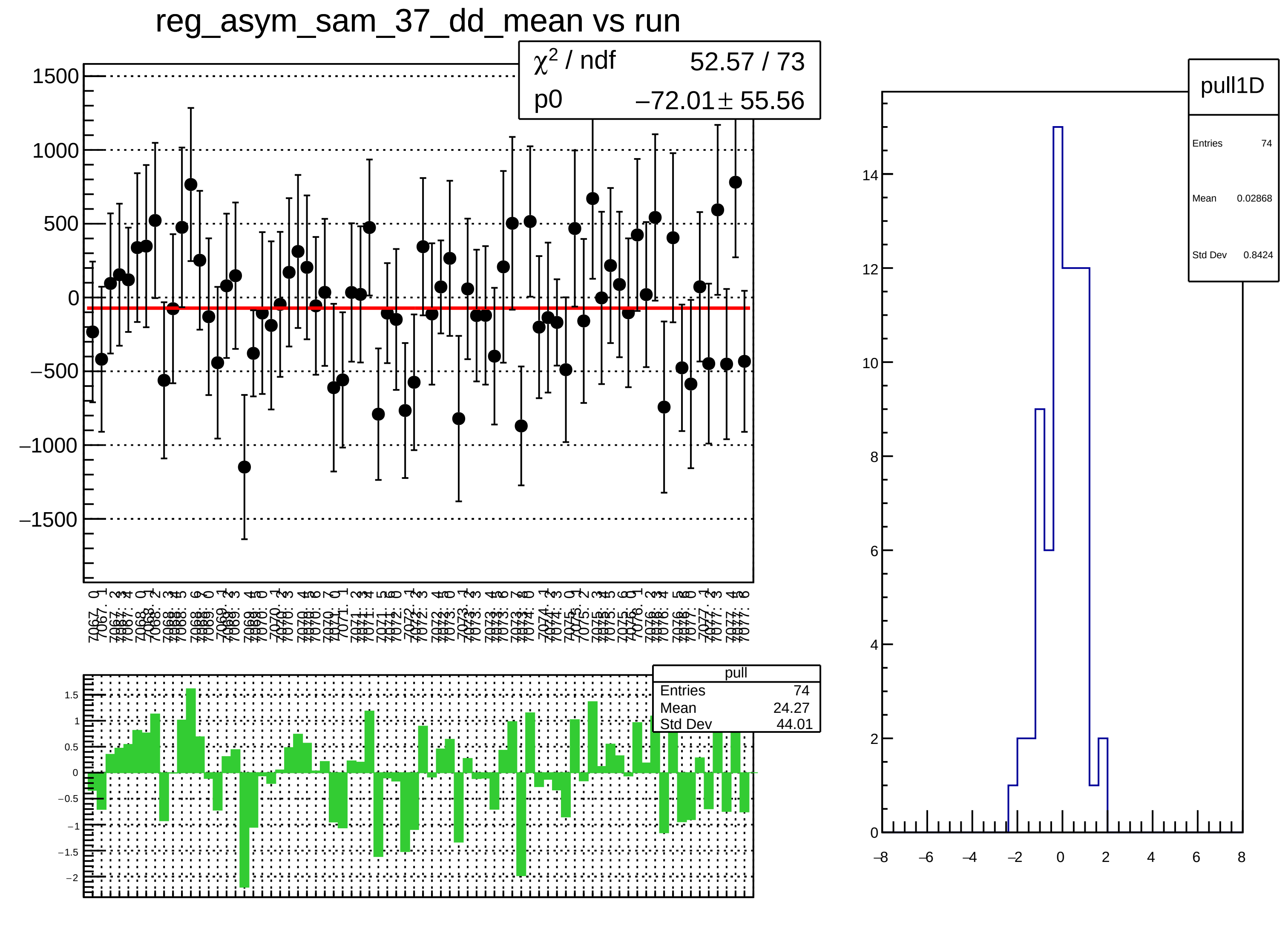
asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 3769 / 73
p0 1527 ± 1.234
1700
1650
1600
1550
1500
1450
1400
1350



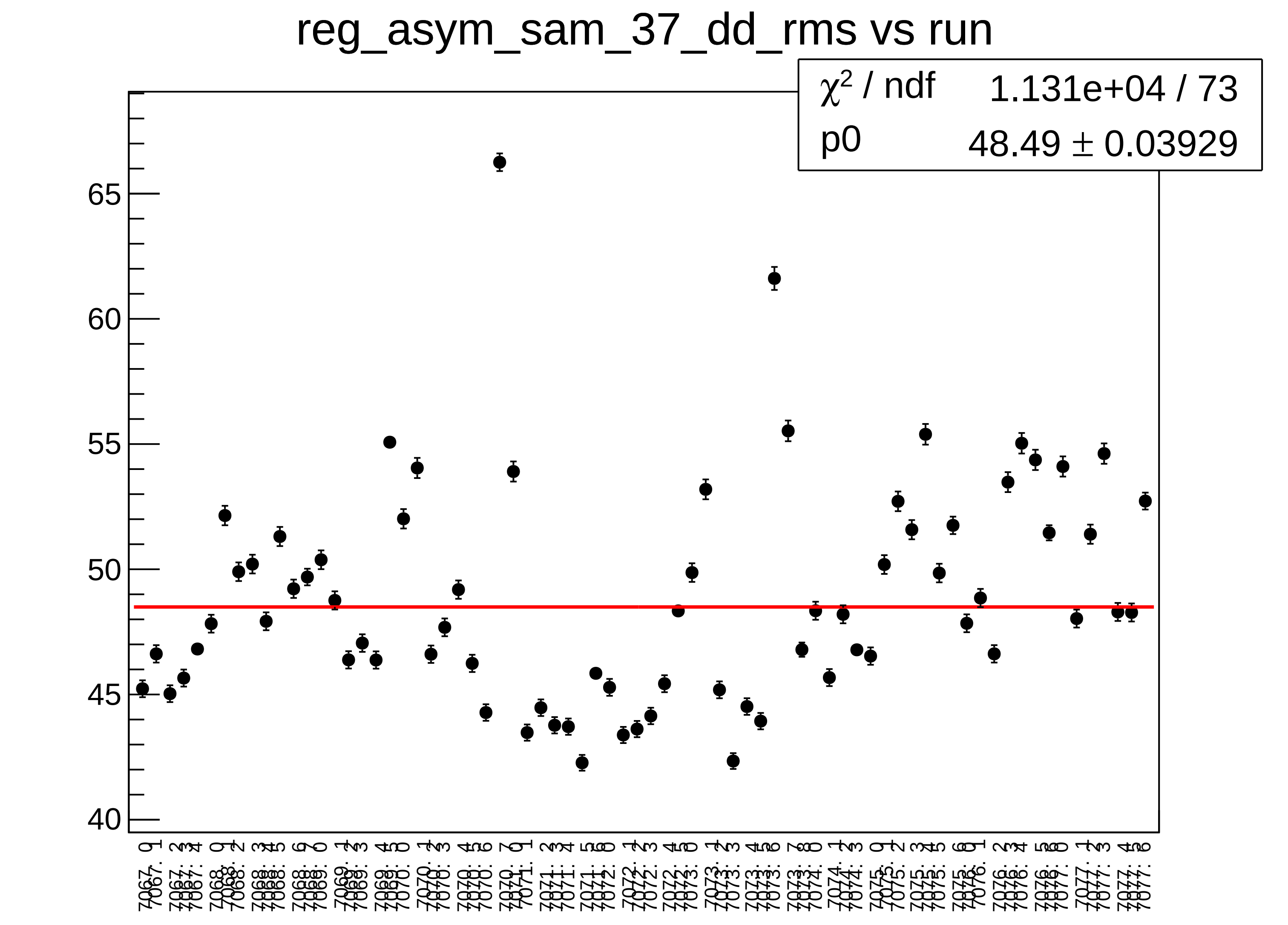
asym_sam_26_dd_mean vs run
χ2 / ndf 72.66 / 73
p0 1778 ± 1762
pull
Entries 74
Mean −18.52
Std Dev 58.18
pull1D
Entries 74
Mean 0.04364
Std Dev 0.9899



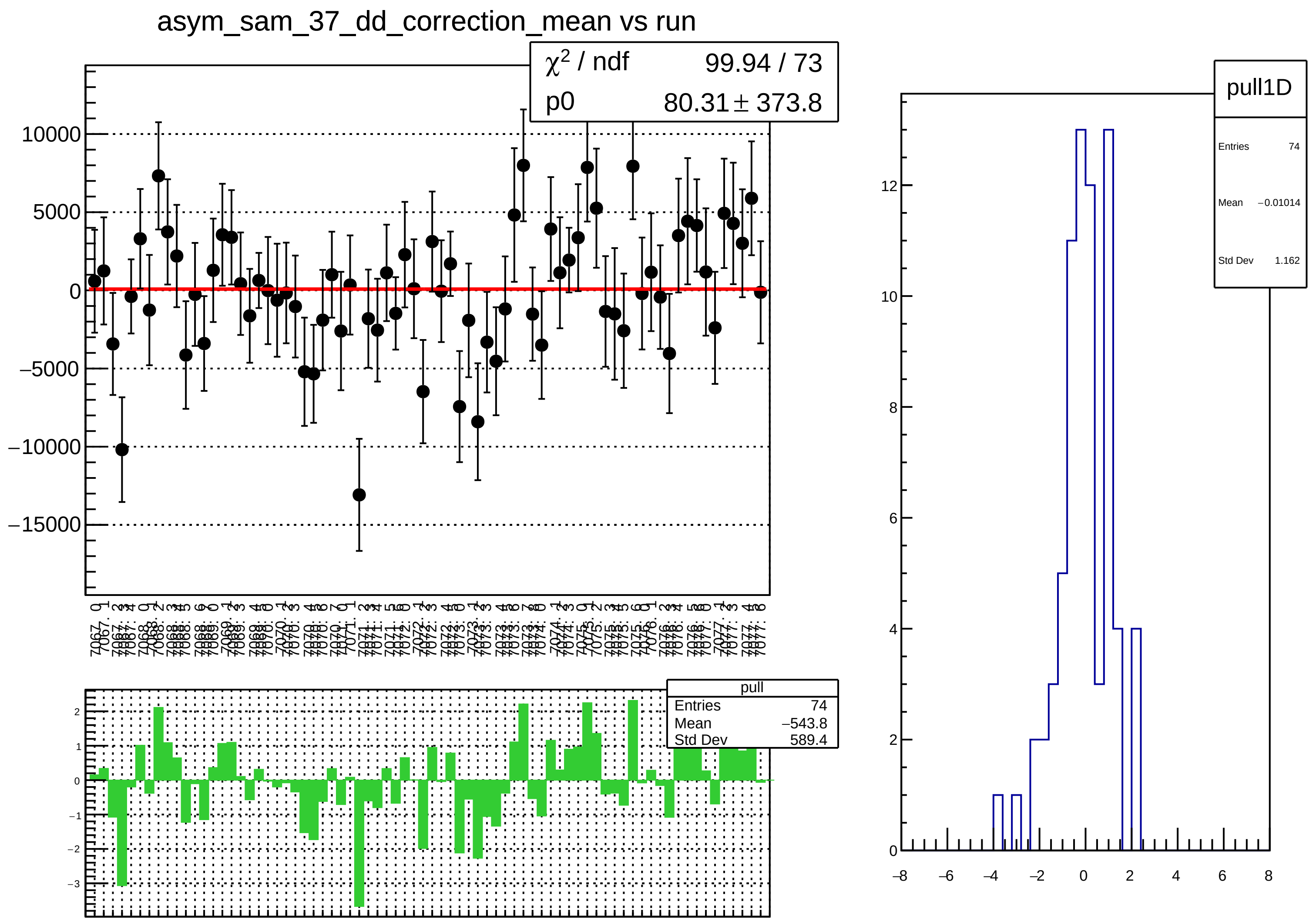
asym_sam_26_dd_rms vs run
χ^2 / ndf 3648 / 73
p0 1542 ± 1.246
1750
1700
1650
1600
1550
1500
1450
1400
1350



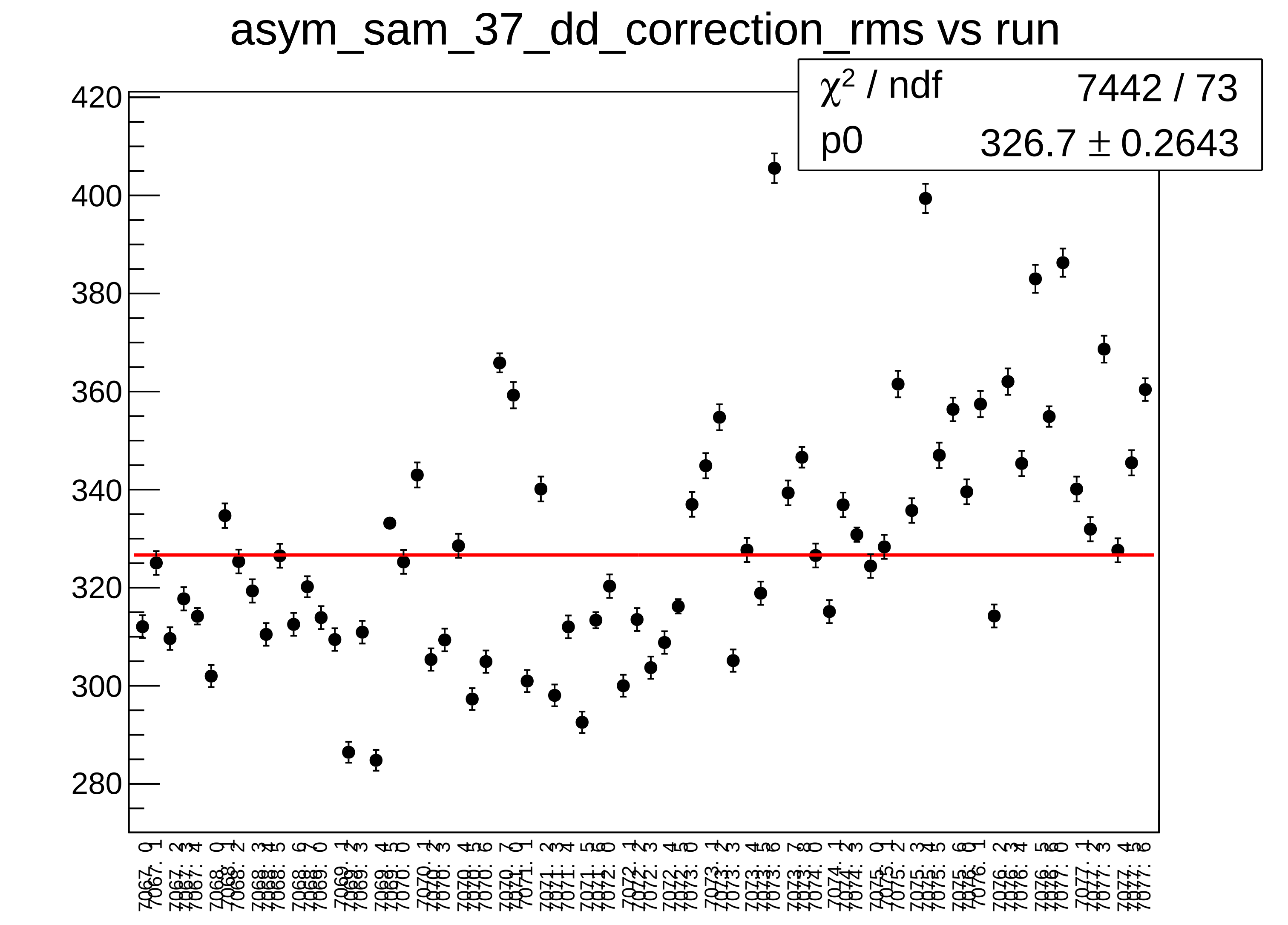
reg_asym_sam_37_dd_mean vs run
χ^2 / ndf 52.57 / 73
p0 −72.01 ± 55.56
pull
Entries 74
Mean 24.27
Std Dev 44.01
pull1D
Entries 74
Mean 0.02868
Std Dev 0.8424



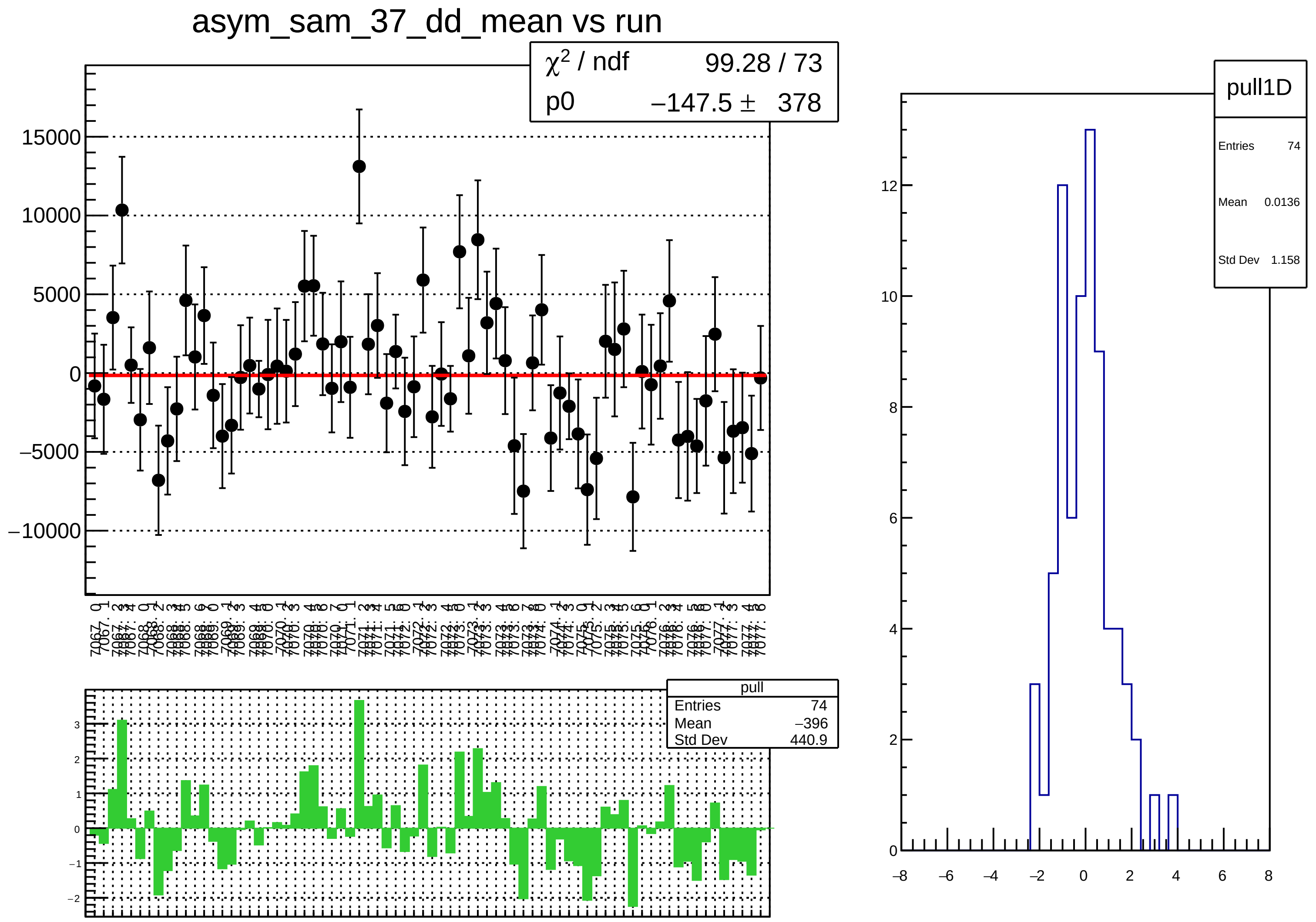
reg_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.131e+04 / 73
p0 48.49 ± 0.03929
65
60
55
50
45
40

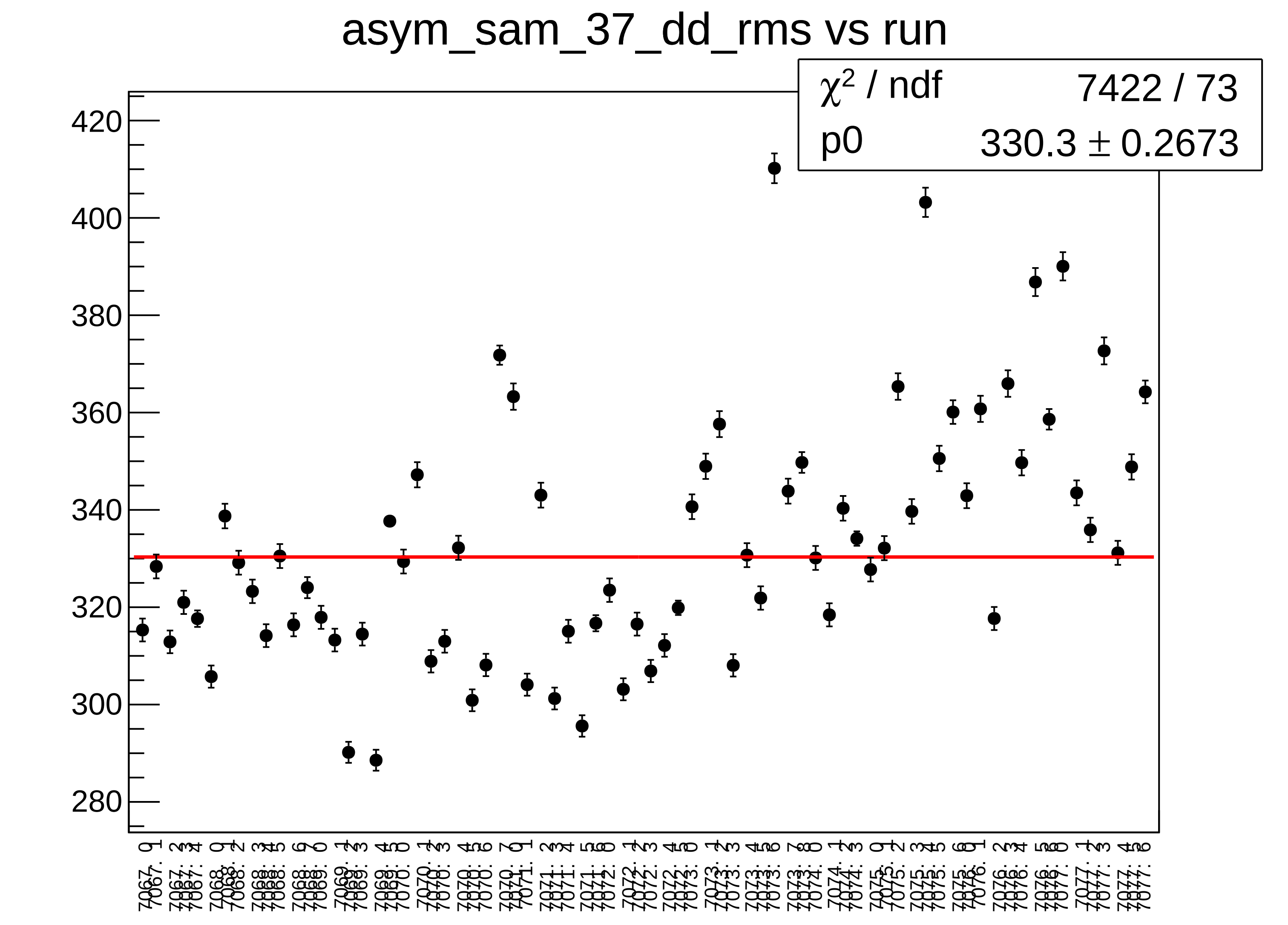


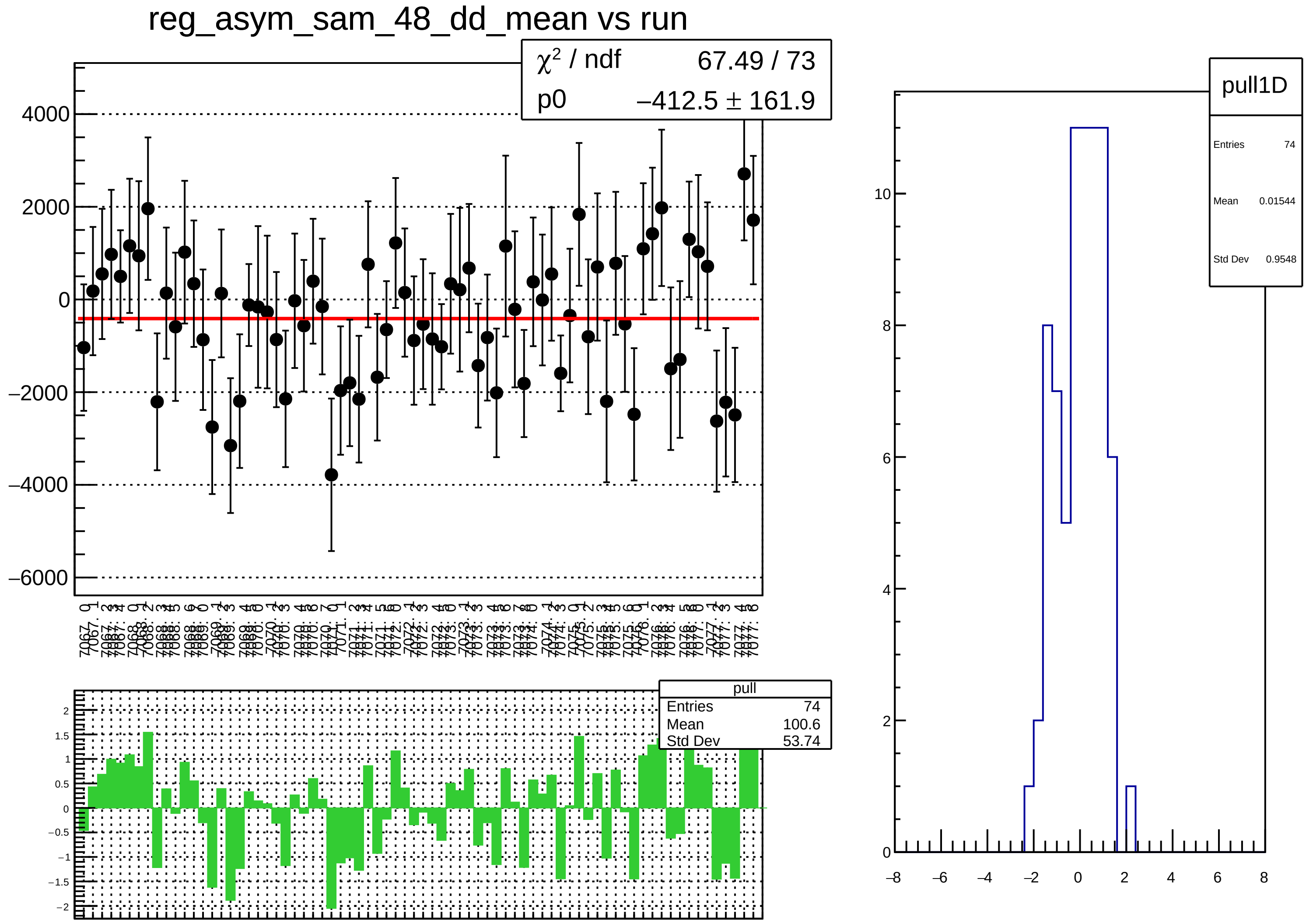
asym_sam_37_dd_correction_mean vs run
χ2 / ndf 99.94 / 73
p0 80.31 ± 373.8
pull
Entries 74
Mean −543.8
Std Dev 589.4
pull1D
Entries 74
Mean −0.01014
Std Dev 1.162

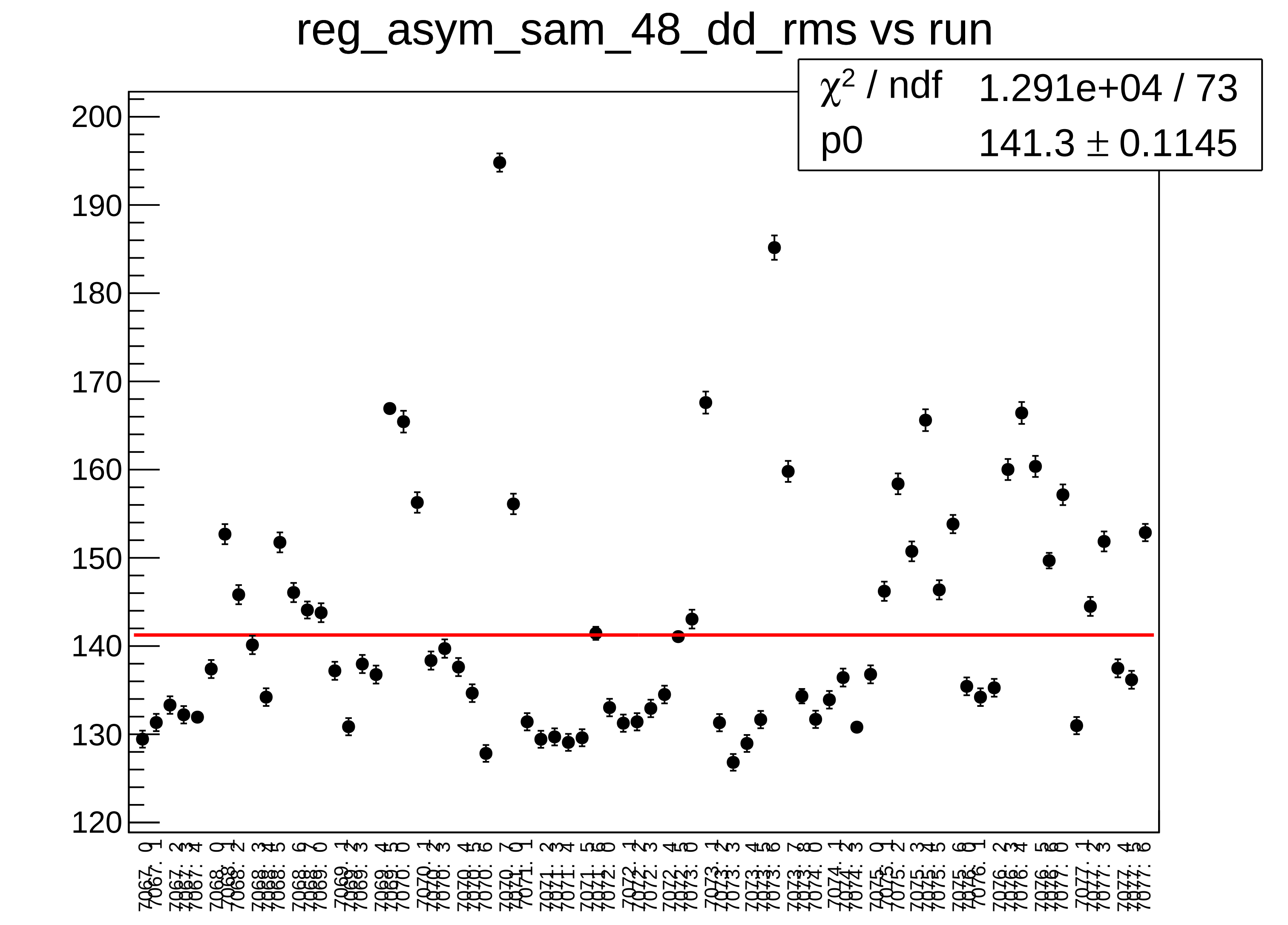


asym_sam_37_dd_correction_rms vs run
χ2 / ndf 7442 / 73
p0 326.7 ± 0.2643
420
400
380
360
340
320
300
280

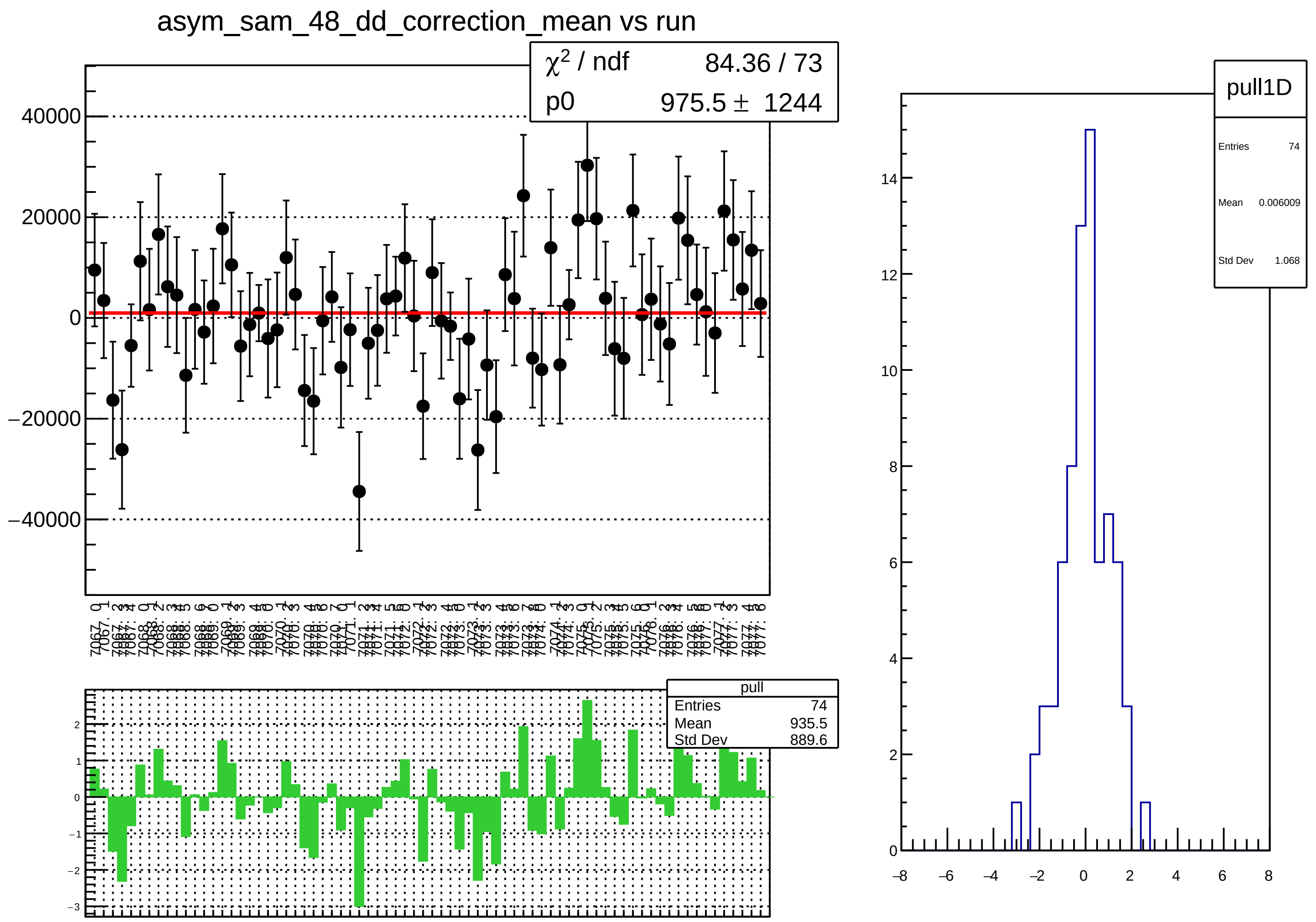

asym_sam_37_dd_mean vs run
χ^2 / ndf 99.28 / 73
p0 −147.5 ± 378
pull
Entries 74
Mean −396
Std Dev 440.9
pull1D
Entries 74
Mean 0.0136
Std Dev 1.158


asym_sam_37_dd_rms vs run
χ2 / ndf 7422 / 73
p0 330.3 ± 0.2673
420
400
380
360
340
320
300
280

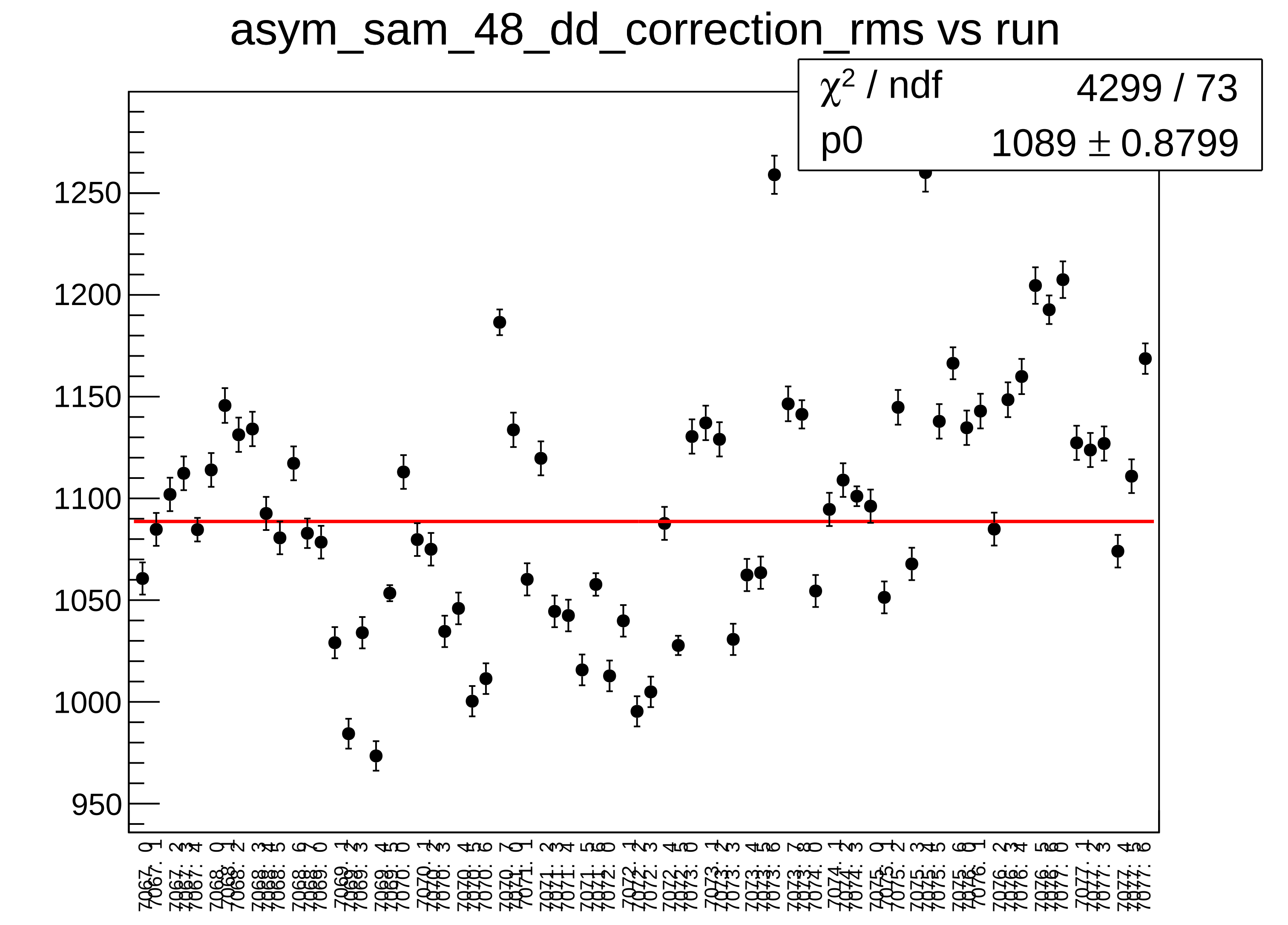

reg_asym_sam_48_dd_mean vs run
χ^2 / ndf 67.49 / 73
p0 −412.5 ± 161.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 74
Mean 100.6
Std Dev 53.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.01544
Std Dev 0.9548
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



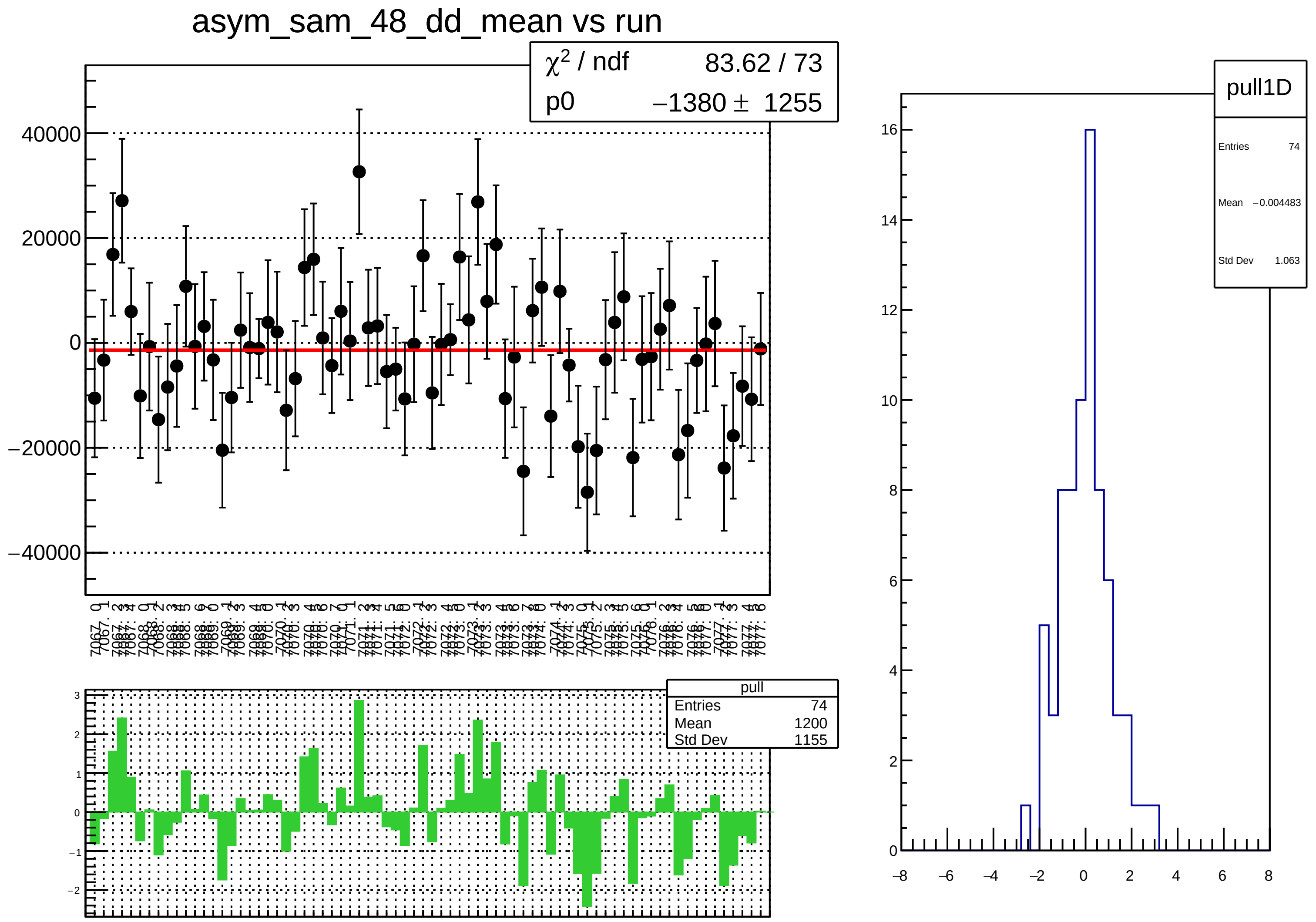
reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 1.291e+04 / 73
p0 141.3 ± 0.1145
200
190
180
170
160
150
140
130
120



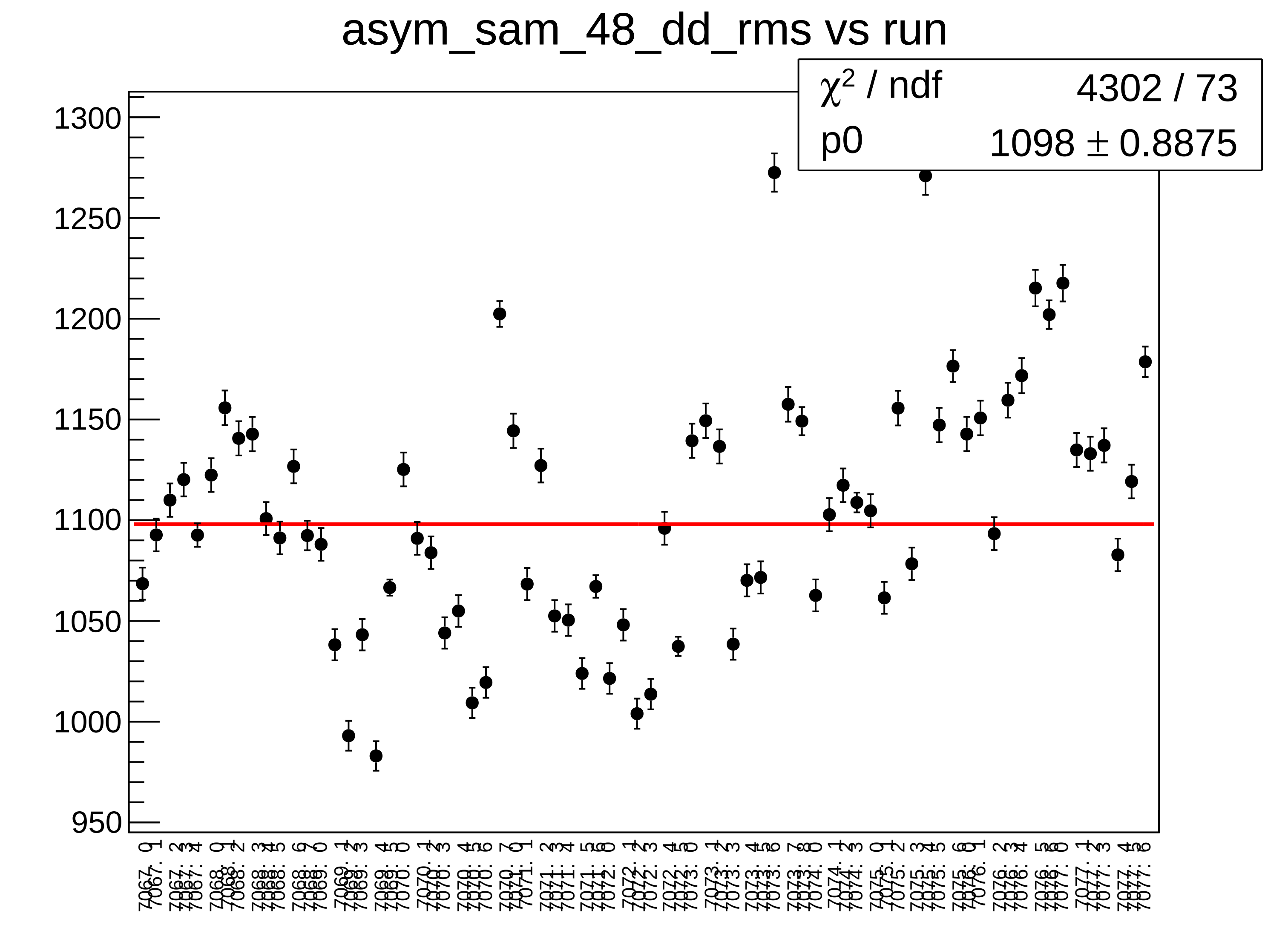
asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 84.36 / 73
p0 975.5 ± 1244
pull
Entries 74
Mean 935.5
Std Dev 889.6
pull1D
Entries 74
Mean 0.006009
Std Dev 1.068

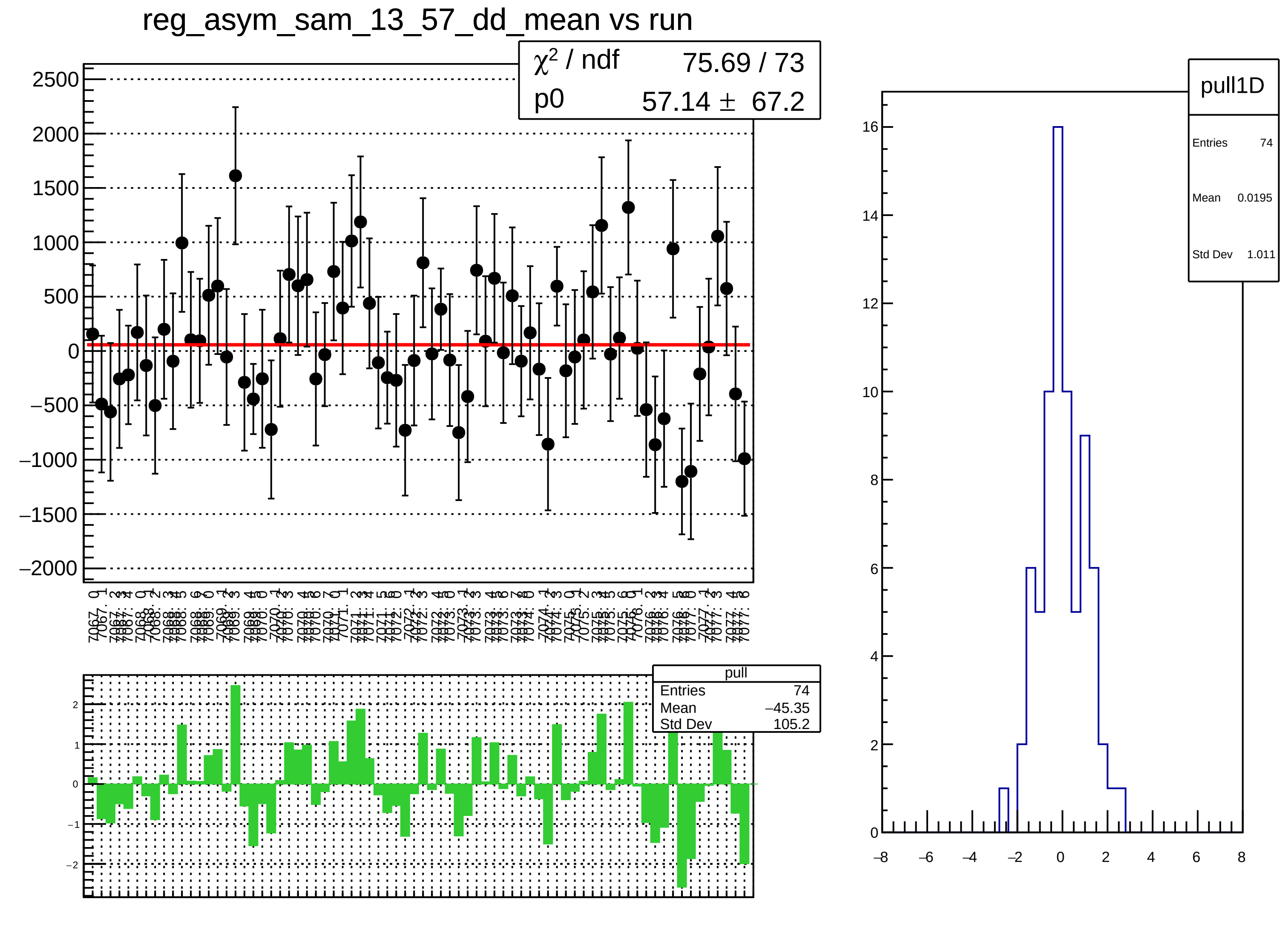


asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 4299 / 73
p0 1089 ± 0.8799
1250
1200
1150
1100
1050
1000
950

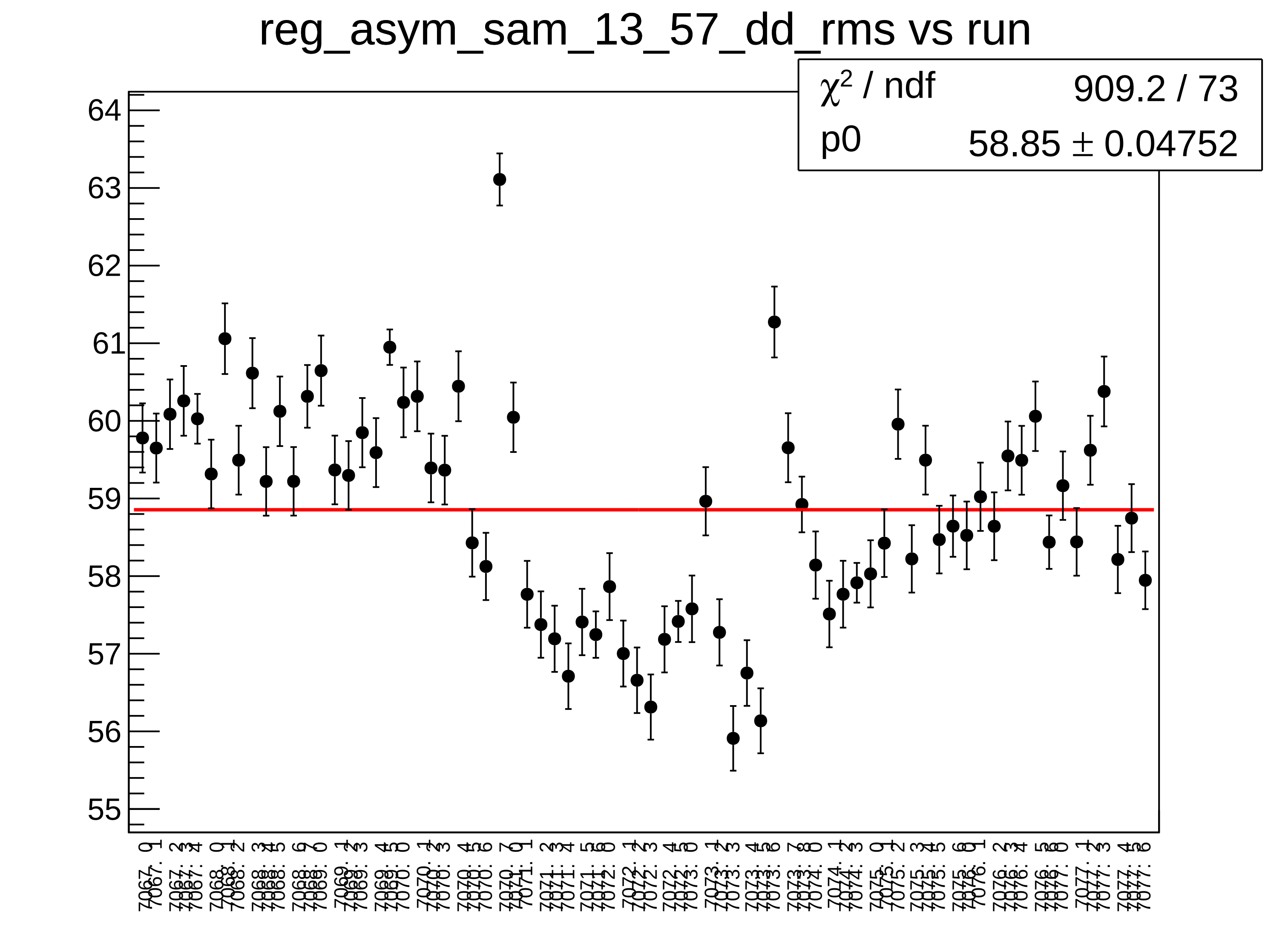


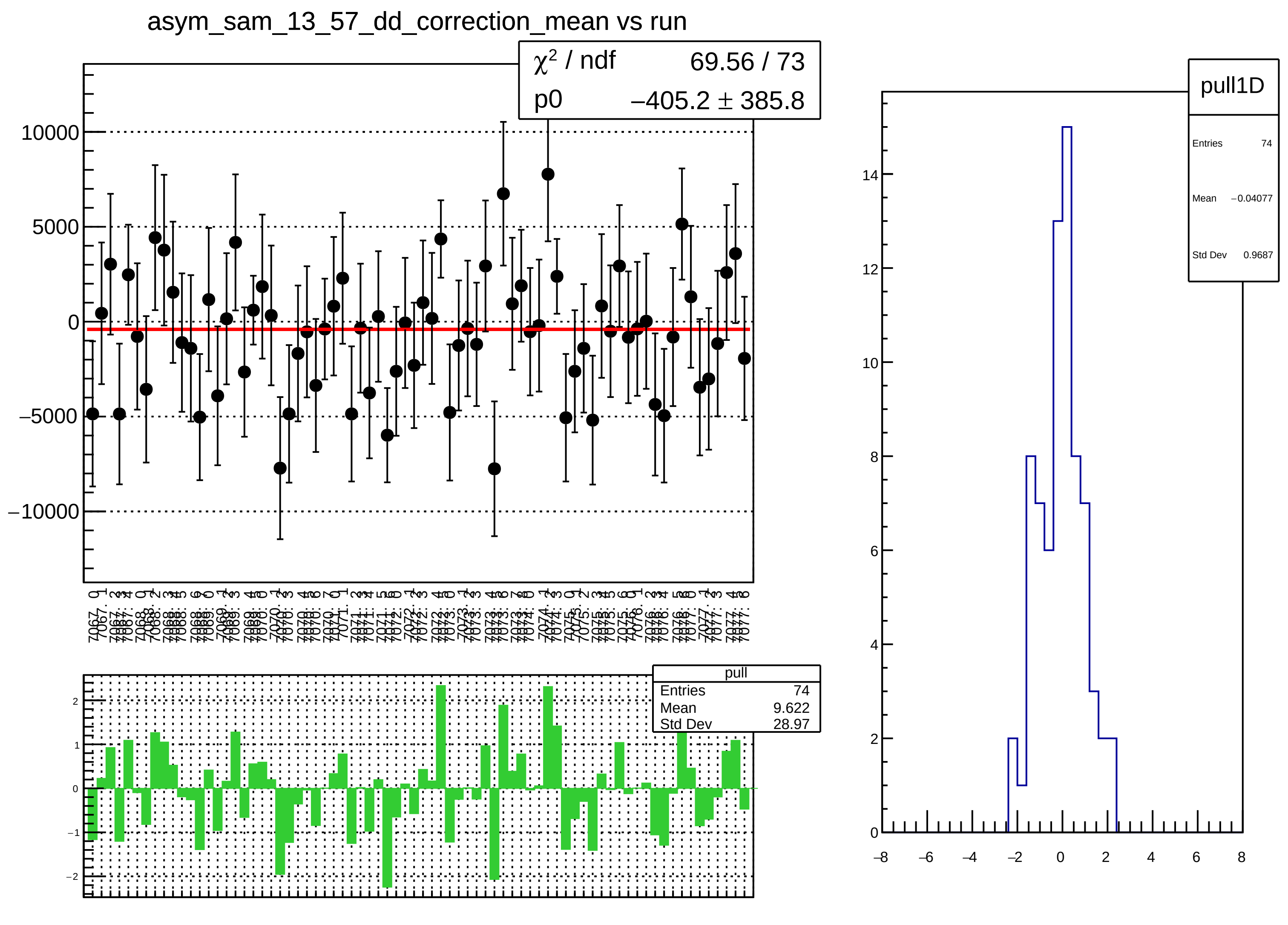
asym_sam_48_dd_mean vs run
χ^2 / ndf 83.62 / 73
p0 −1380 ± 1255
40000
20000
0
−20000
−40000
pull
Entries 74
Mean 1200
Std Dev 1155
pull1D
Entries 74
Mean −0.004483
Std Dev 1.063


asym_sam_48_dd_rms vs run
χ2 / ndf 4302 / 73
p0 1098 ± 0.8875
1300
1250
1200
1150
1100
1050
1000
950

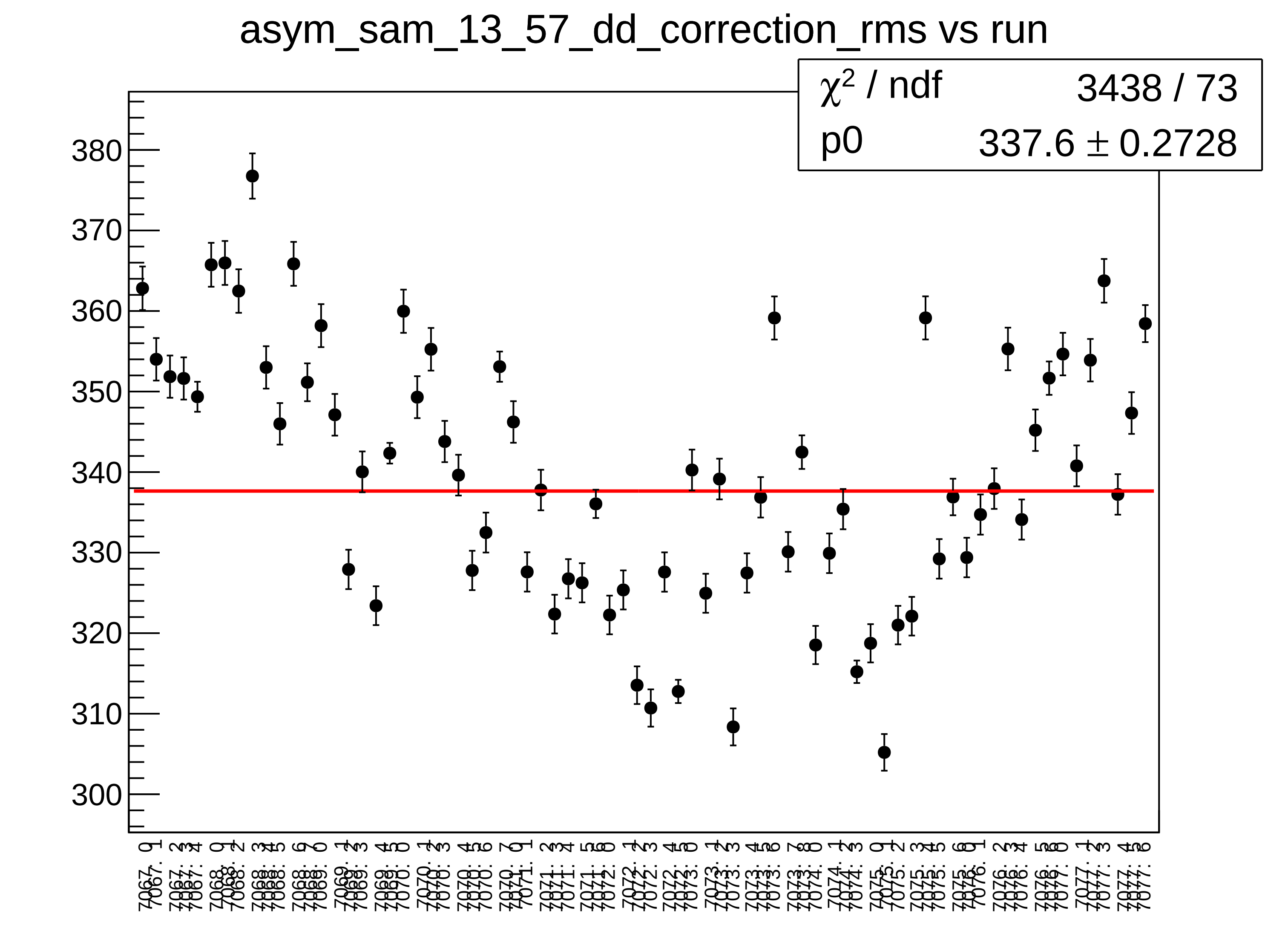


reg_asym_sam_13_57_dd_mean vs run
χ2 / ndf 75.69 / 73
p0 57.14 ± 67.2
pull
Entries 74
Mean −45.35
Std Dev 105.2
pull1D
Entries 74
Mean 0.0195
Std Dev 1.011

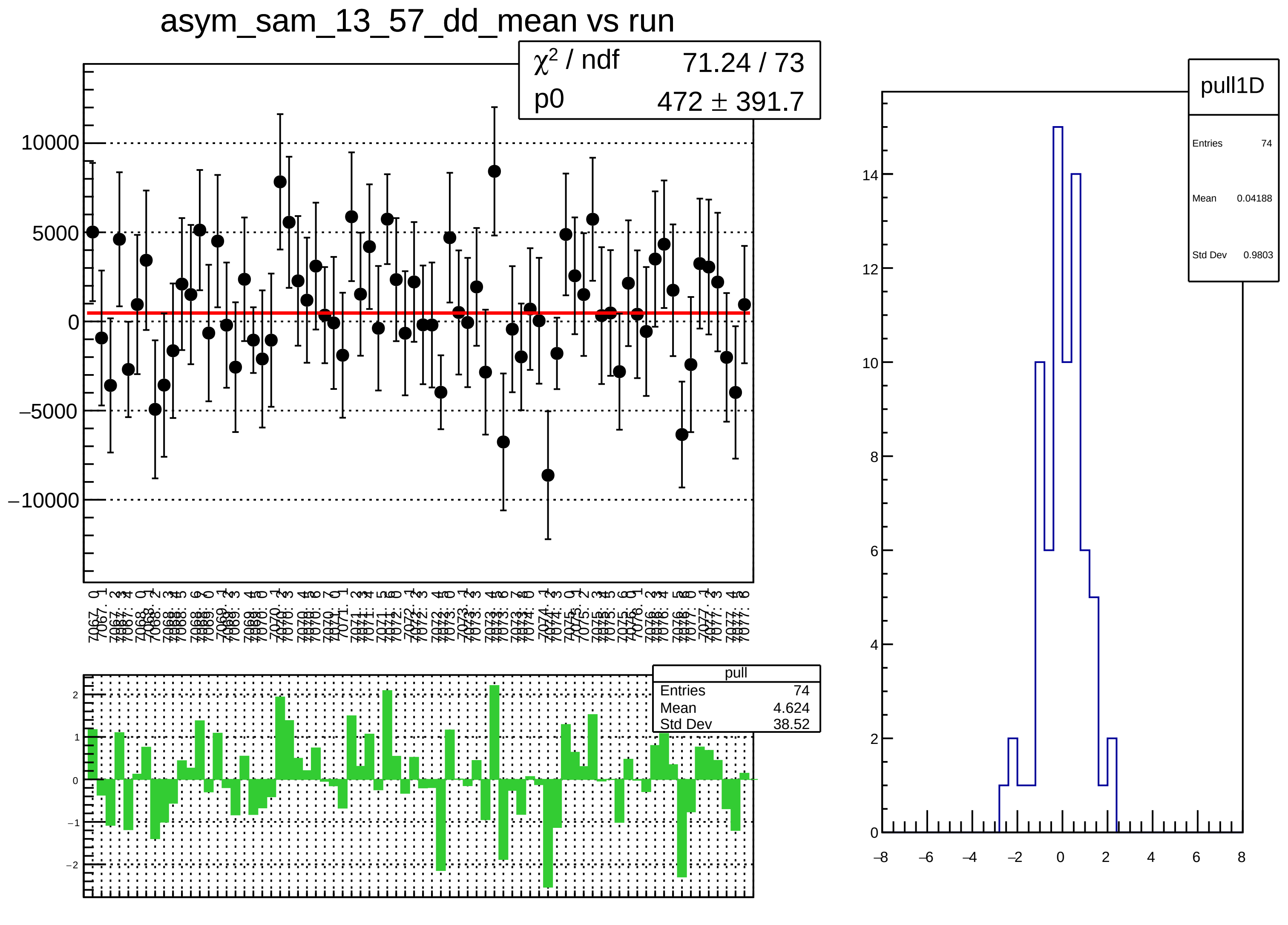

reg_asym_sam_13_57_dd_rms vs run
χ2 / ndf 909.2 / 73
p0 58.85 ± 0.04752

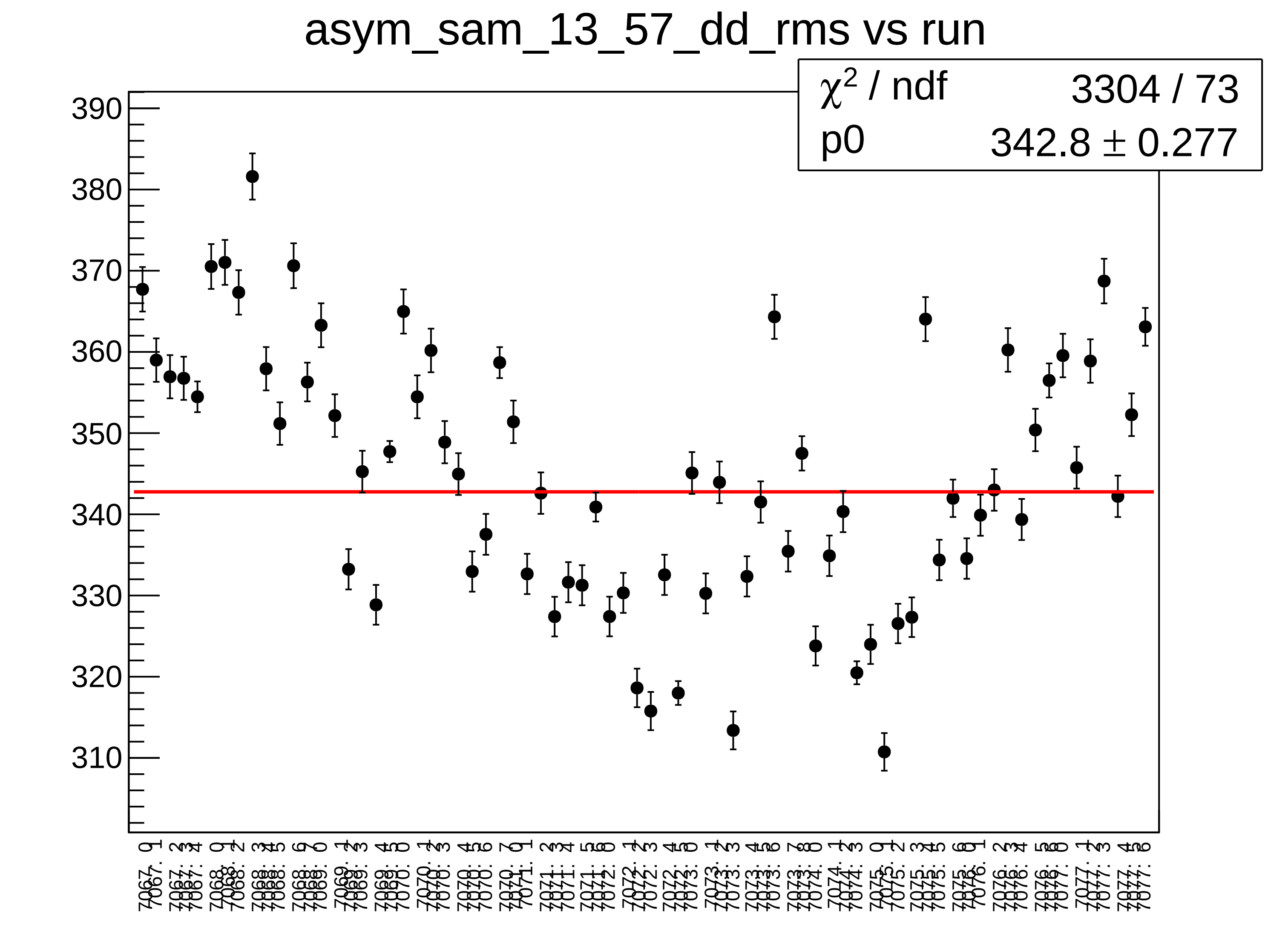


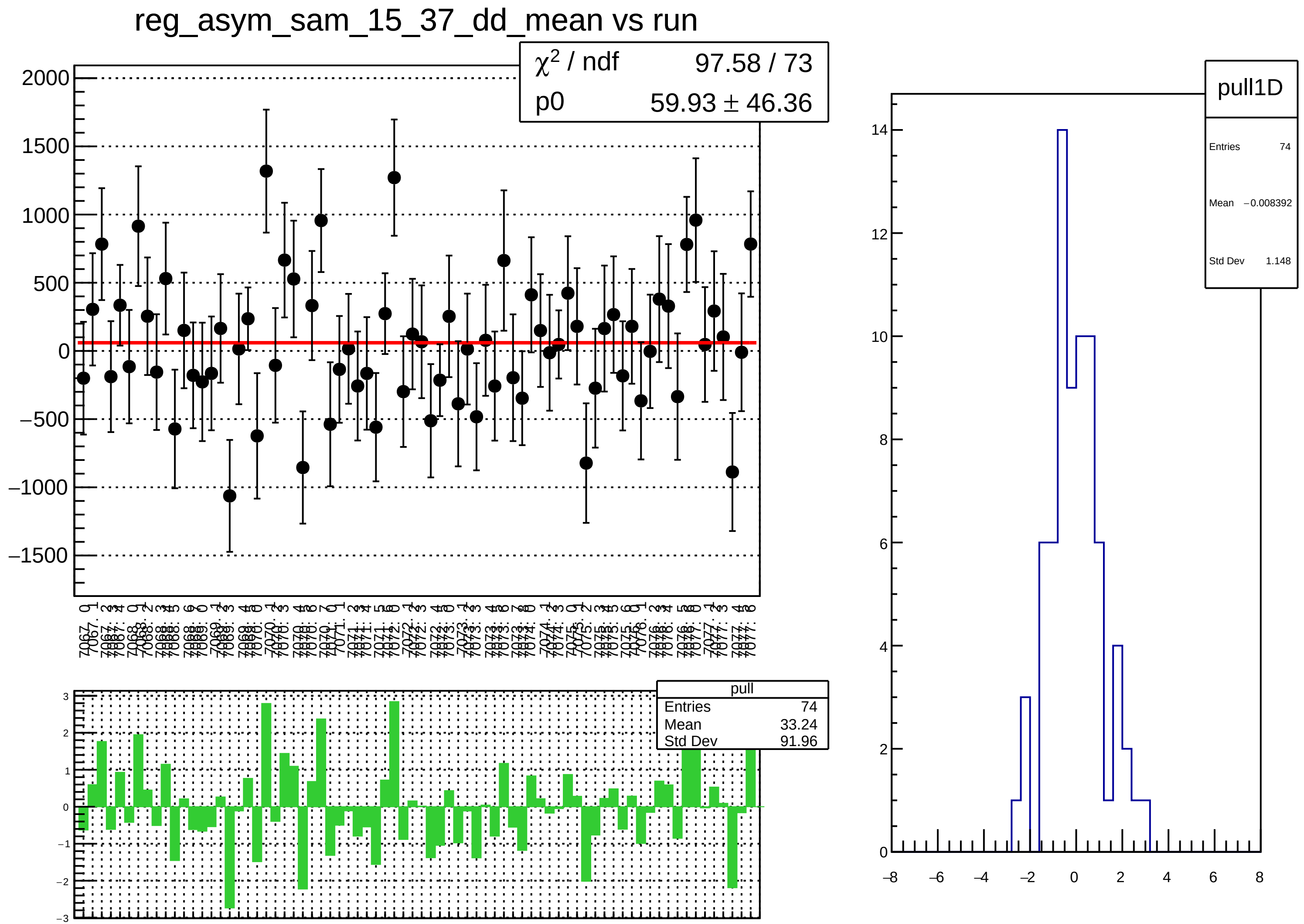
asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 69.56 / 73
p0 −405.2 ± 385.8
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 9.622
Std Dev 28.97
pull1D
Entries 74
Mean −0.04077
Std Dev 0.9687

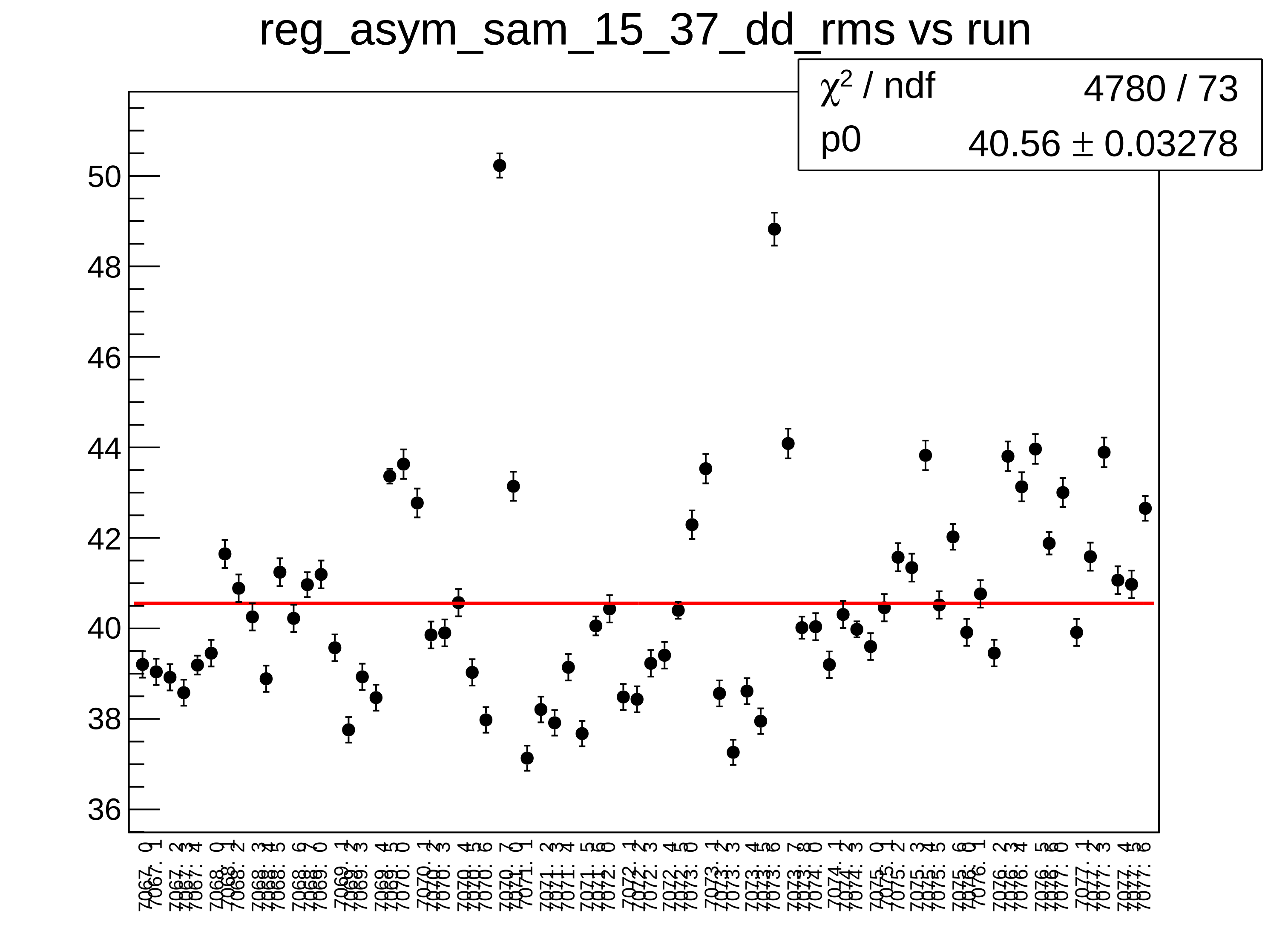


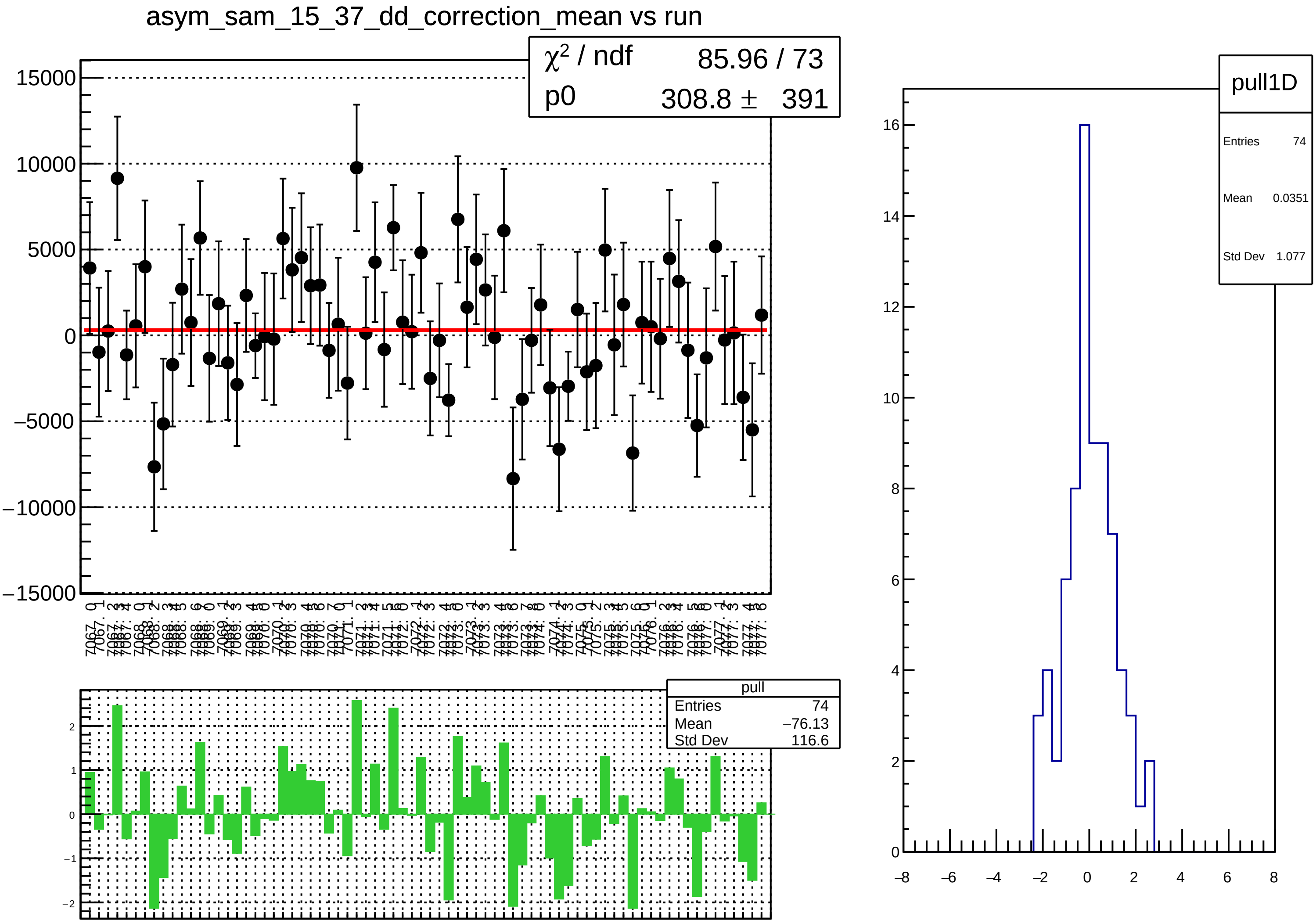
asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 3438 / 73
p0 337.6 ± 0.2728
380
370
360
350
340
330
320
310
300


asym_sam_13_57_dd_mean vs run
χ^2 / ndf 71.24 / 73
p0 472 ± 391.7
10000
5000
0
−5000
−10000
pull
Entries 74
Mean 4.624
Std Dev 38.52
pull1D
Entries 74
Mean 0.04188
Std Dev 0.9803

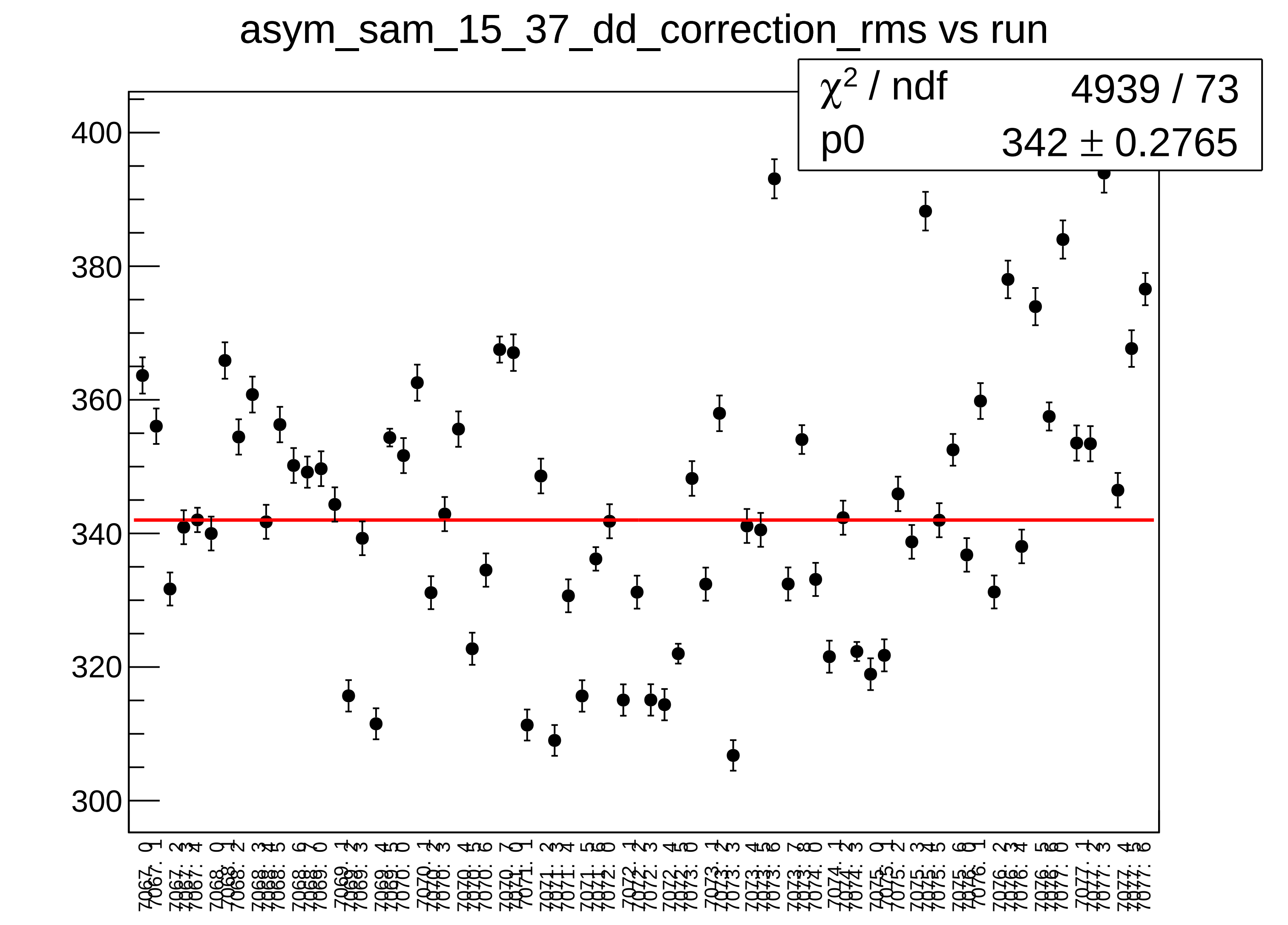

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 3304 / 73
p0 342.8 ± 0.277
390
380
370
360
350
340
330
320
310

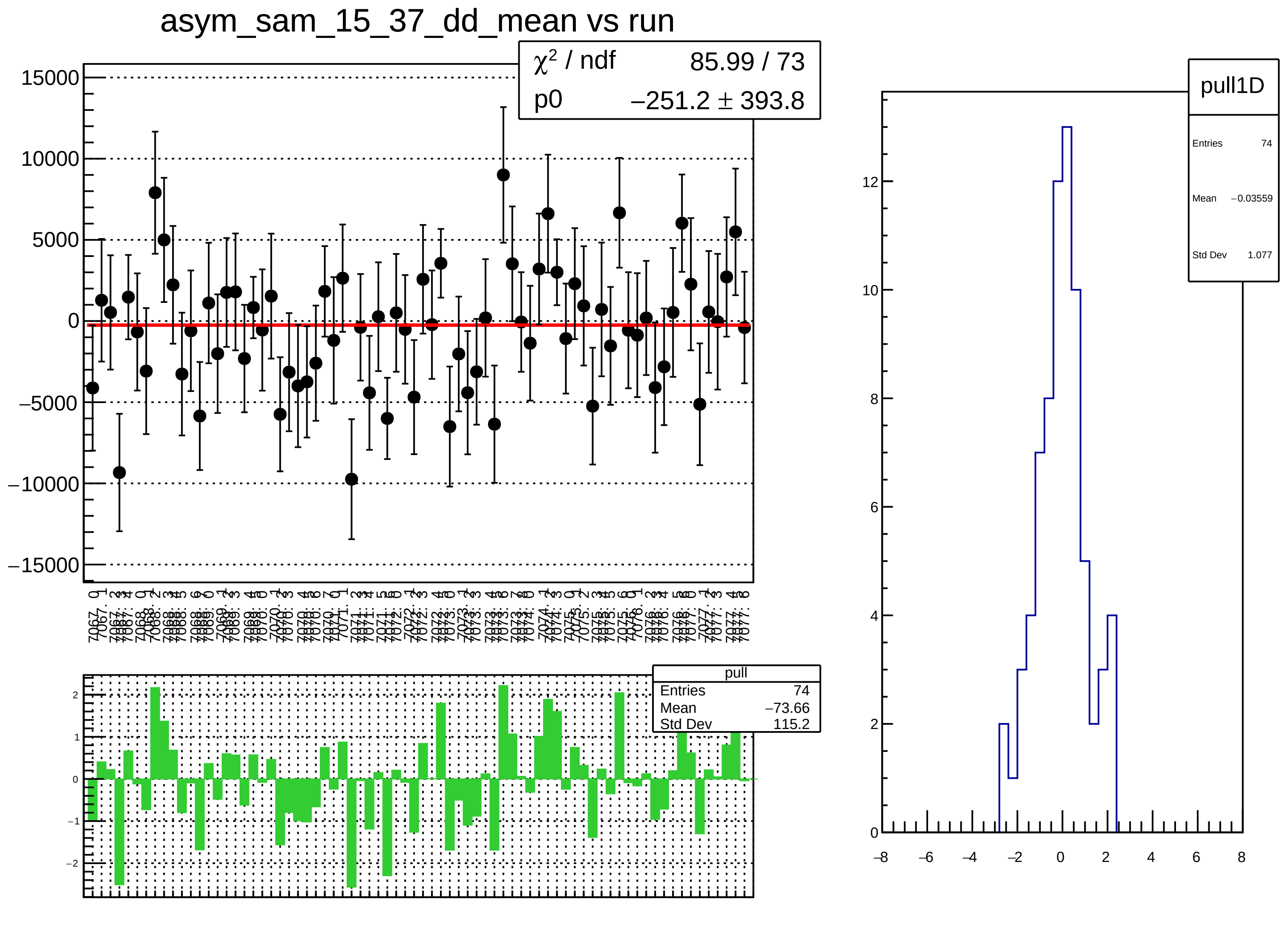

reg_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 97.58 / 73
p0 59.93 ± 46.36
pull
Entries 74
Mean 33.24
Std Dev 91.96
pull1D
Entries 74
Mean −0.008392
Std Dev 1.148


reg_asym_sam_15_37_dd_rms vs run
χ2 / ndf 4780 / 73
p0 40.56 ± 0.03278
36
38
40
42
44
46
48
50

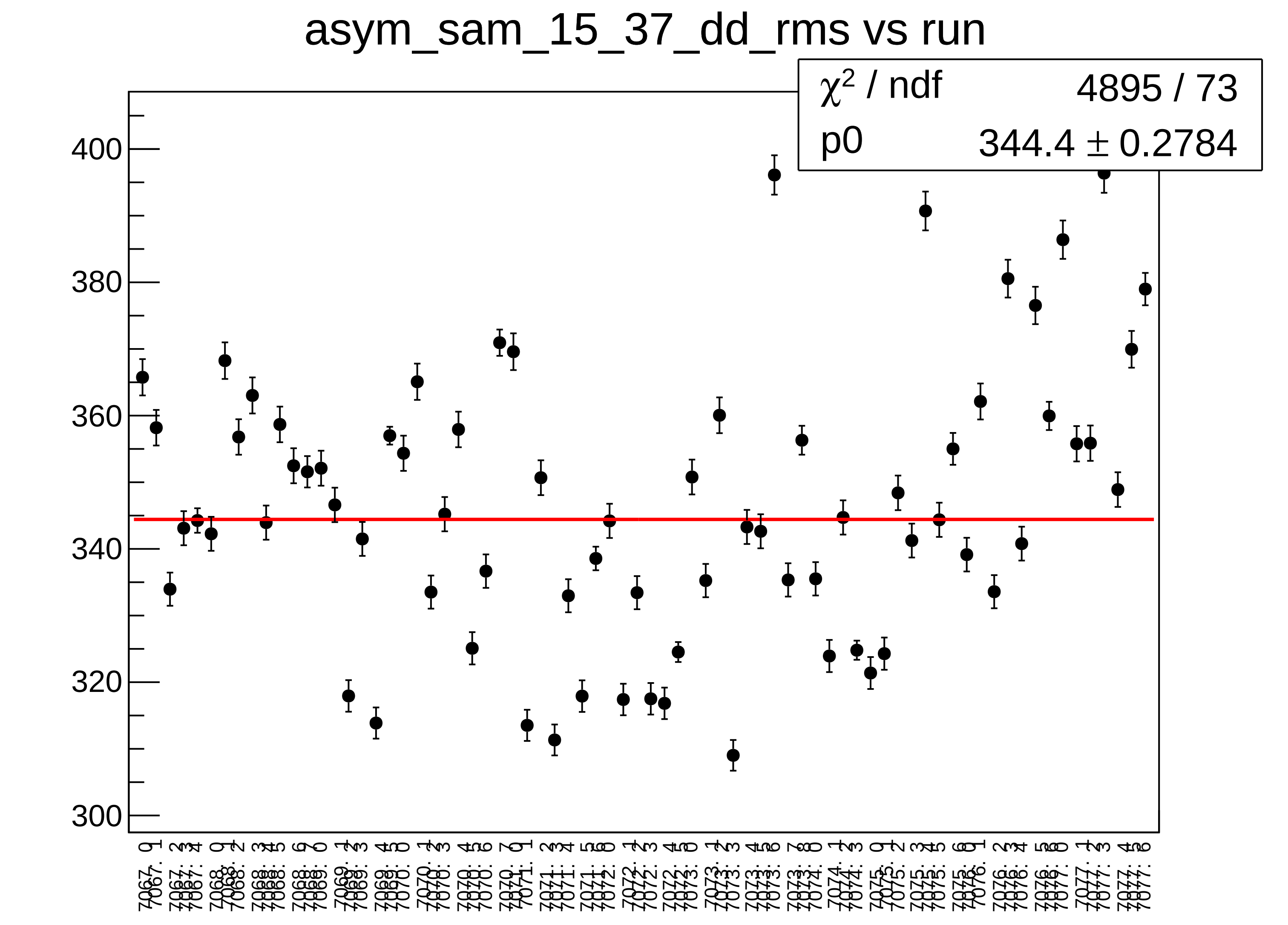


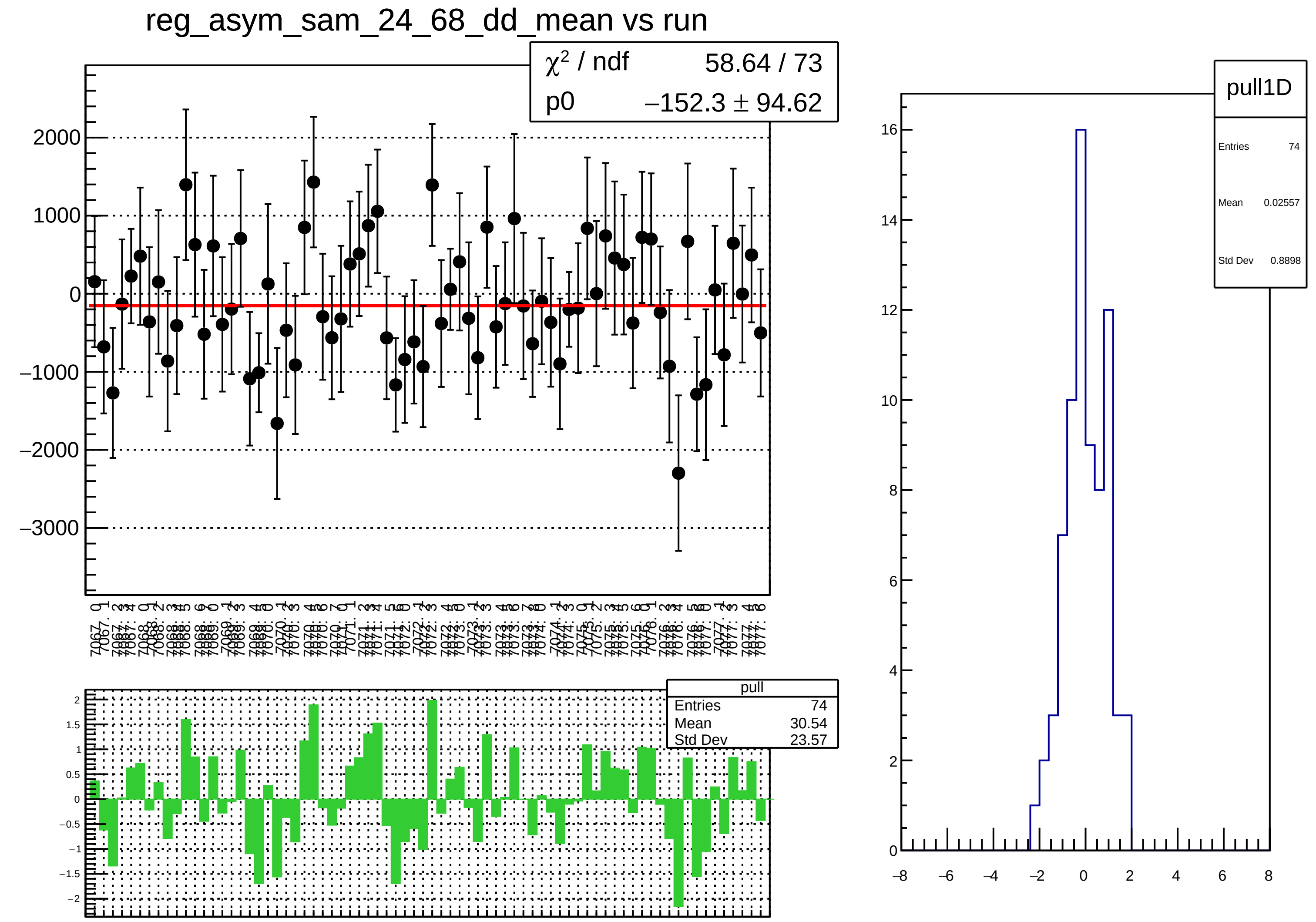
asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 85.96 / 73
p0 308.8 ± 391
pull
Entries 74
Mean −76.13
Std Dev 116.6
pull1D
Entries 74
Mean 0.0351
Std Dev 1.077


asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 4939 / 73
p0 342 ± 0.2765
400
380
360
340
320
300

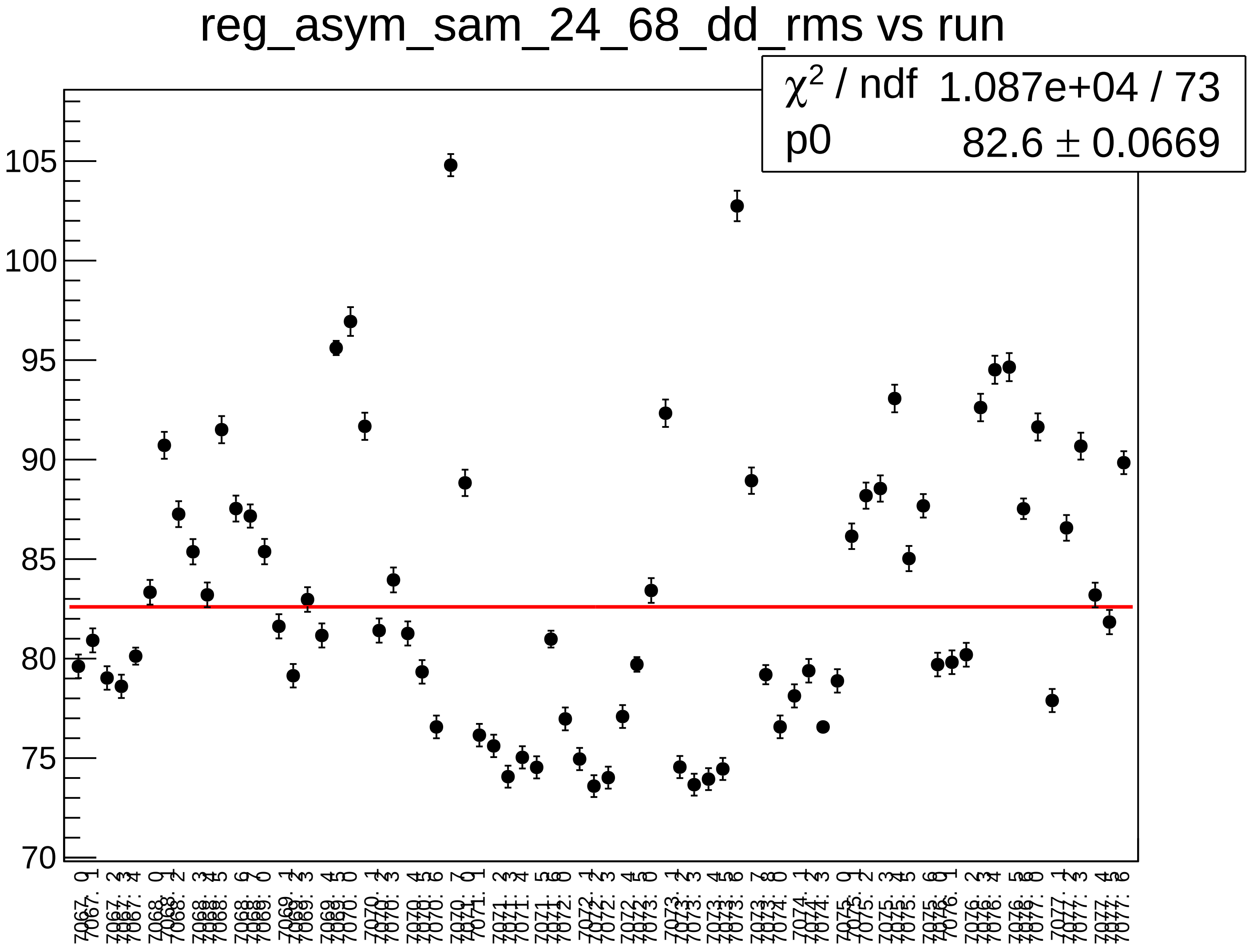


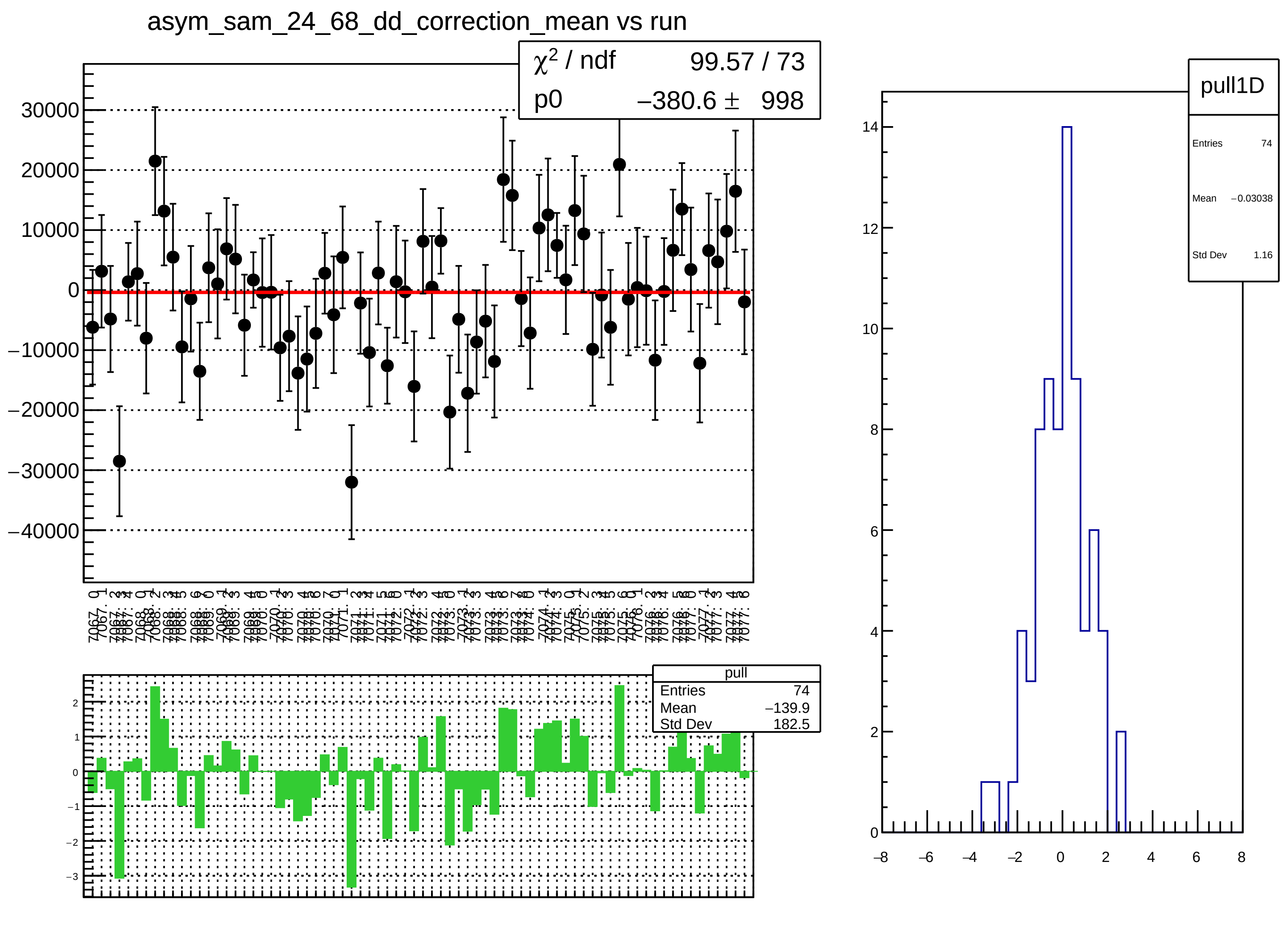
asym_sam_15_37_dd_mean vs run
χ2 / ndf 85.99 / 73
p0 −251.2 ± 393.8
pull
Entries 74
Mean −73.66
Std Dev 115.2
pull1D
Entries 74
Mean −0.03559
Std Dev 1.077

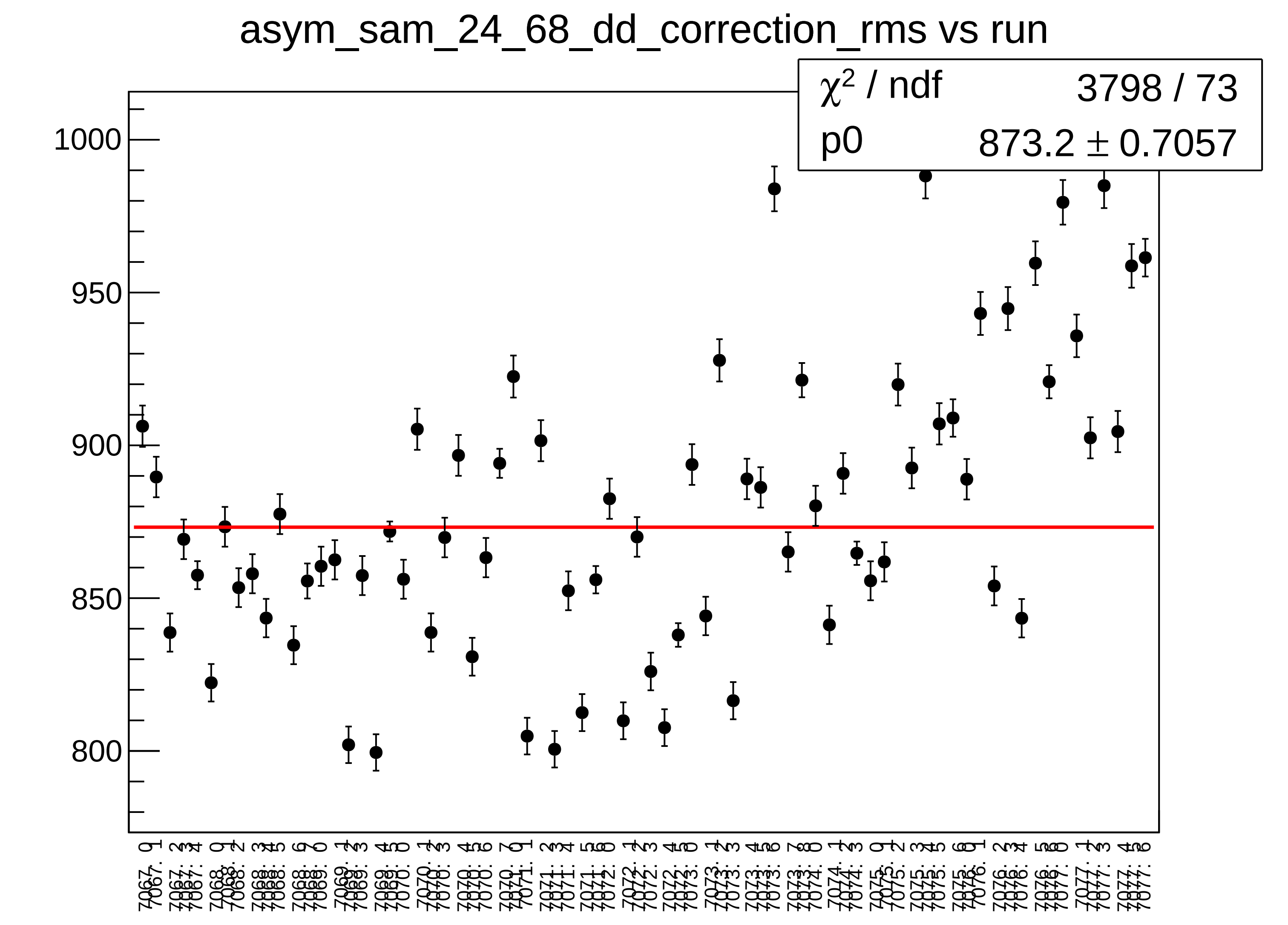

asym_sam_15_37_dd_rms vs run
χ2 / ndf 4895 / 73
p0 344.4 ± 0.2784
400
380
360
340
320
300

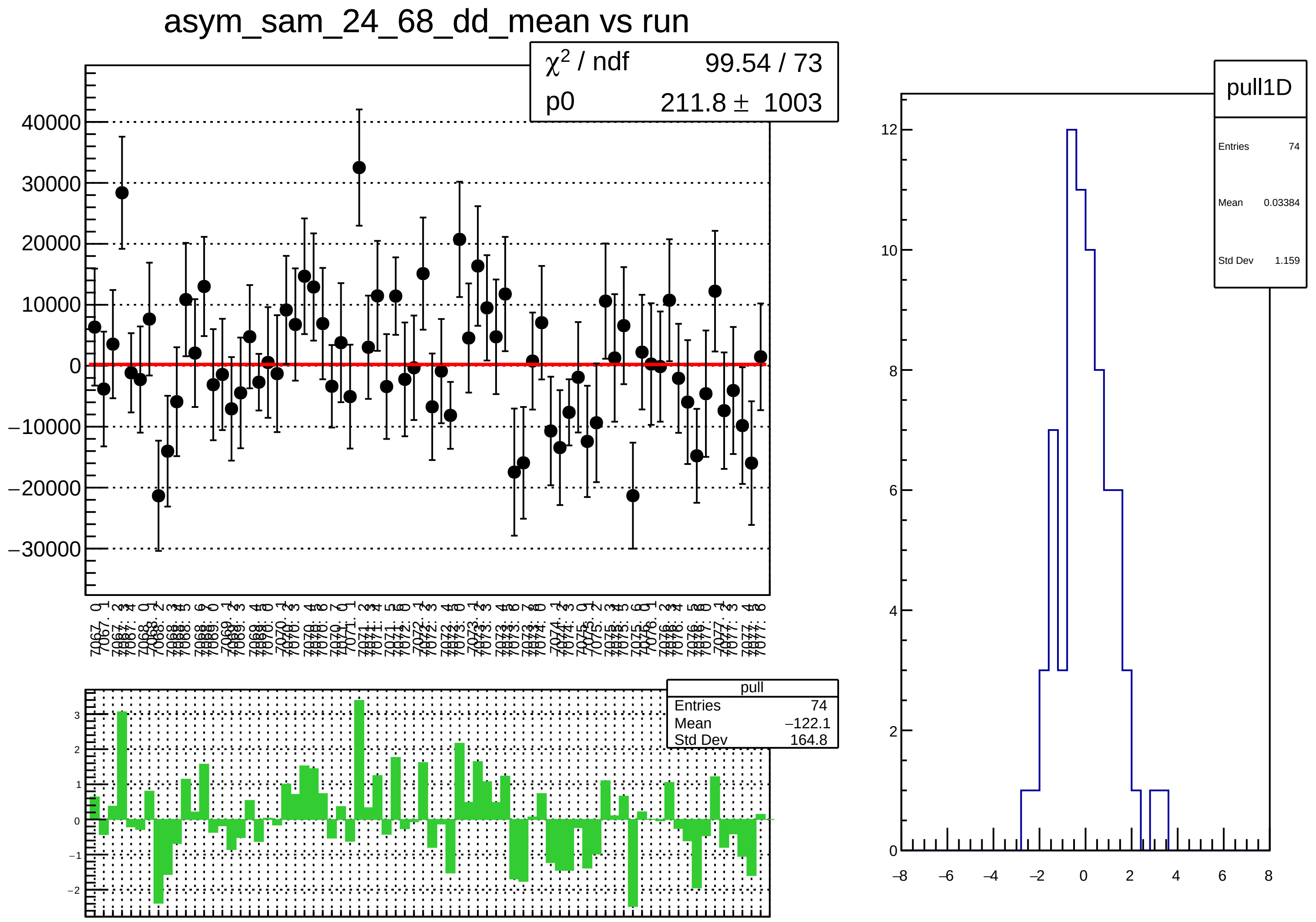


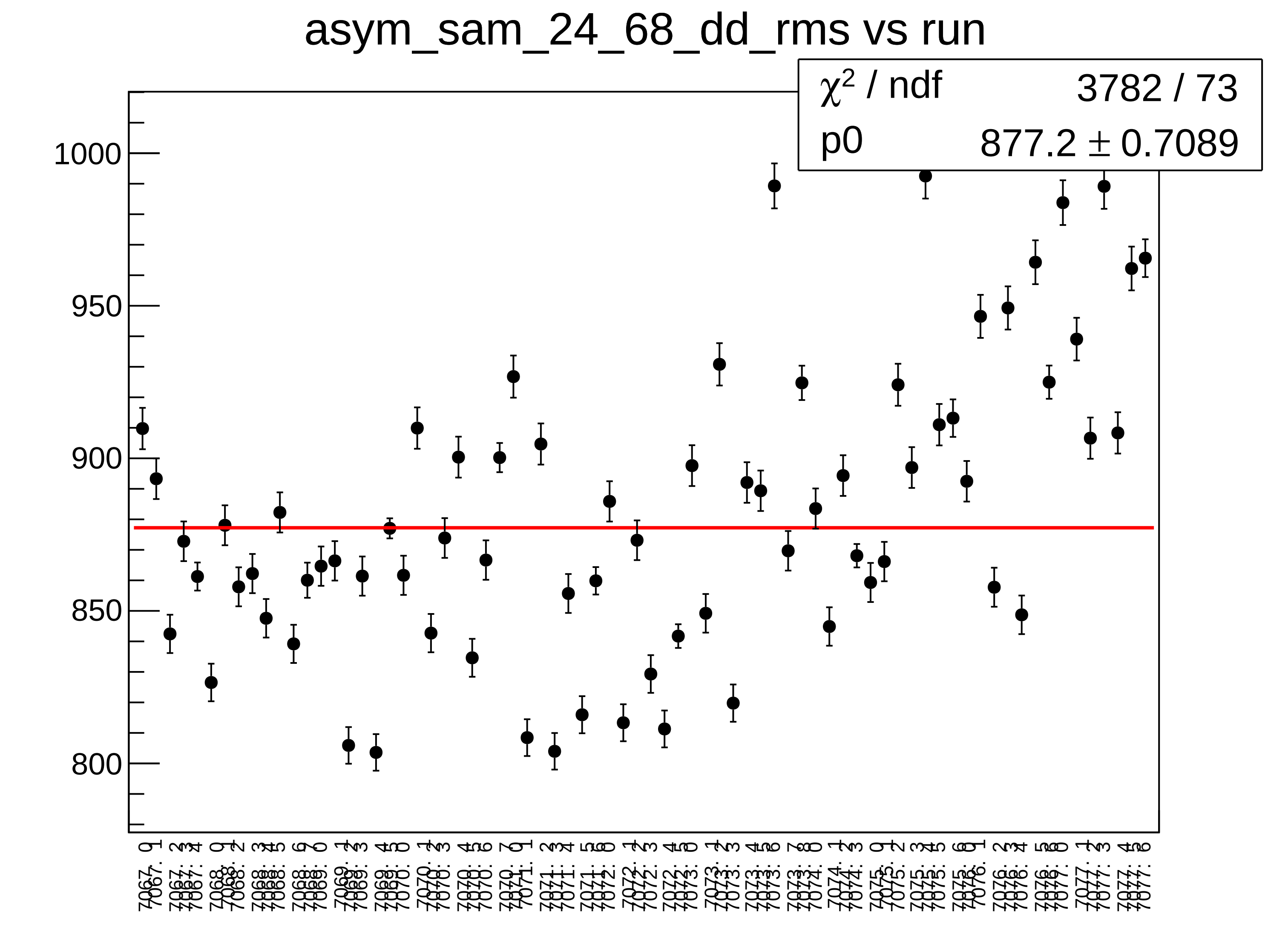
reg_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 58.64 / 73
p0 −152.3 ± 94.62
pull
Entries 74
Mean 30.54
Std Dev 23.57
pull1D
Entries 74
Mean 0.02557
Std Dev 0.8898


reg_asym_sam_24_68_dd_rms vs run
χ2 / ndf 1.087e+04 / 73
p0 82.6 ± 0.0669
105
100
95
90
85
80
75
70

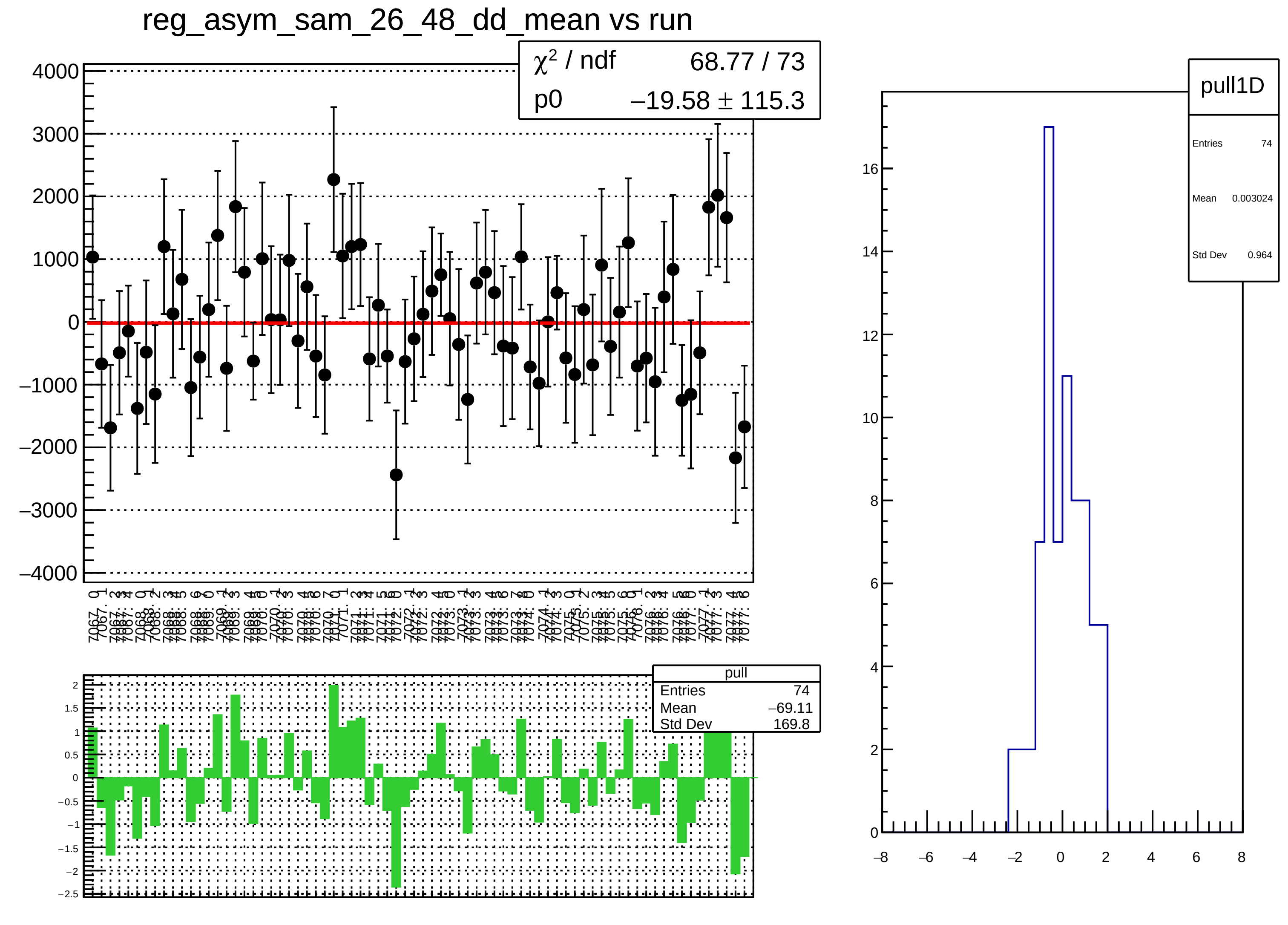

asym_sam_24_68_dd_correction_mean vs run
χ2 / ndf 99.57 / 73
p0 −380.6 ± 998
pull
Entries 74
Mean −139.9
Std Dev 182.5
pull1D
Entries 74
Mean −0.03038
Std Dev 1.16


asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 3798 / 73
p0 873.2 ± 0.7057
1000
950
900
850
800

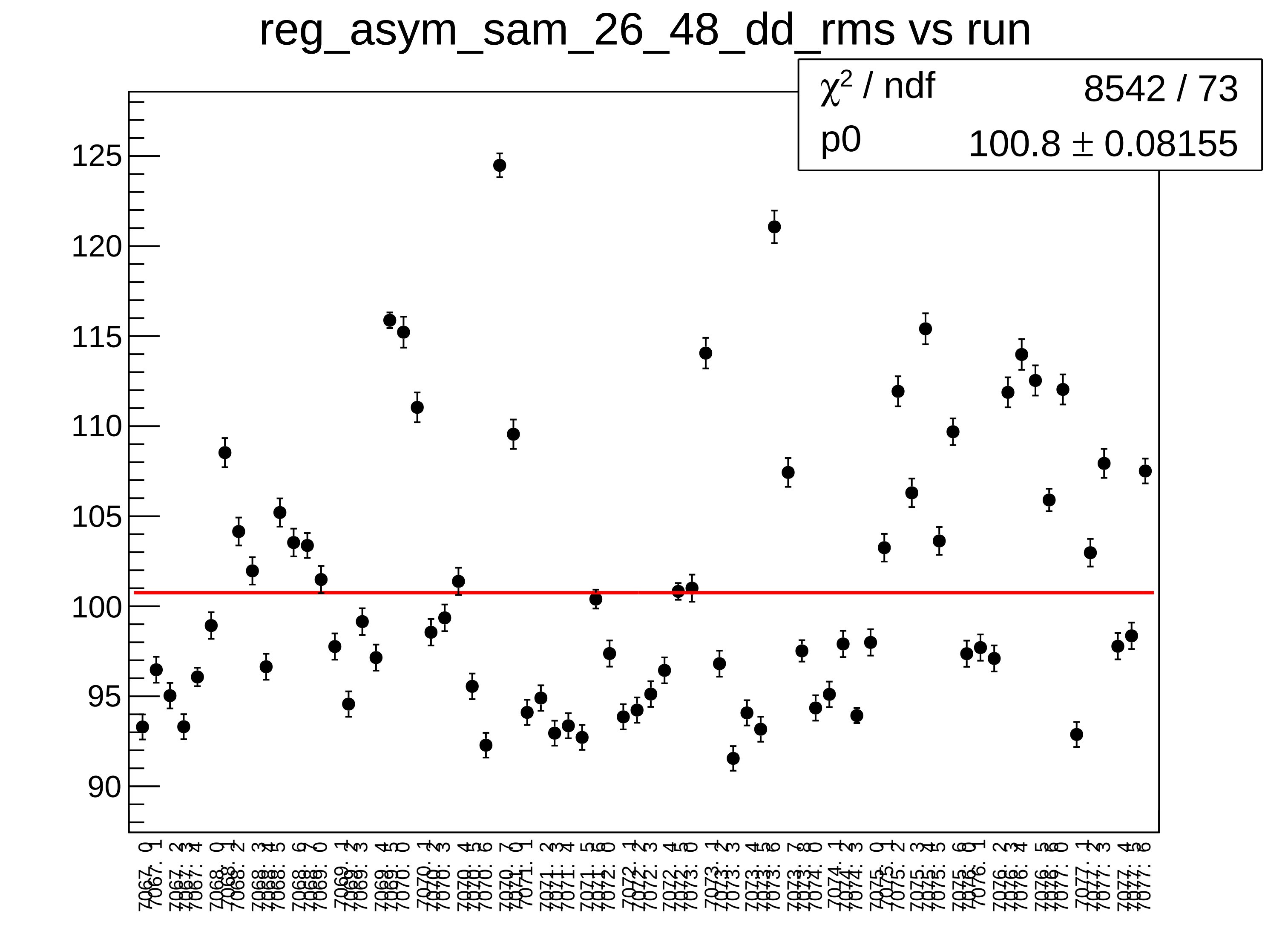

asym_sam_24_68_dd_mean vs run
χ^2 / ndf 99.54 / 73
p0 211.8 ± 1003
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 74
Mean −122.1
Std Dev 164.8
3
2
1
0
−1
−2
pull1D
Entries 74
Mean 0.03384
Std Dev 1.159
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



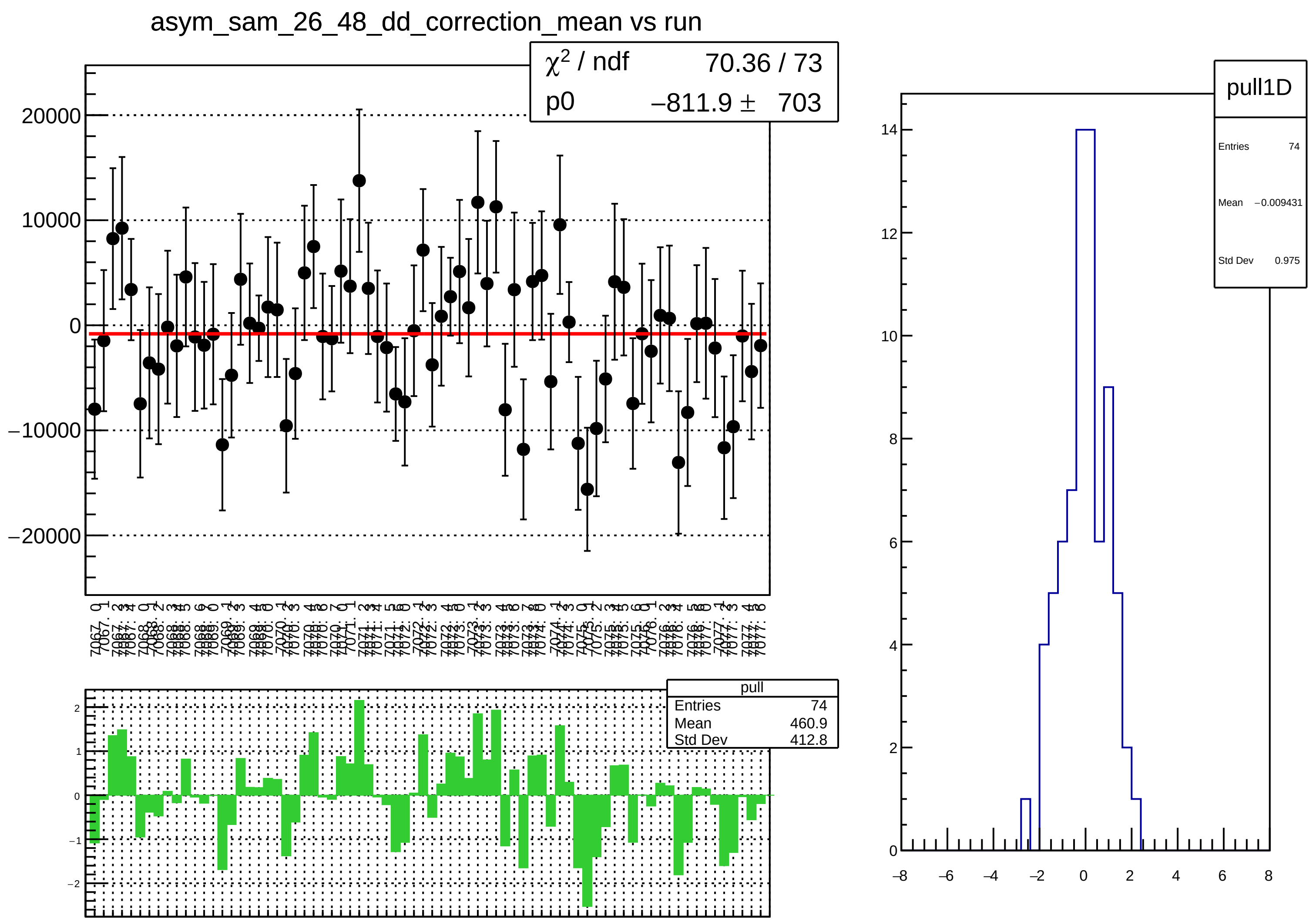
asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3782 / 73
p0 877.2 ± 0.7089
1000
950
900
850
800



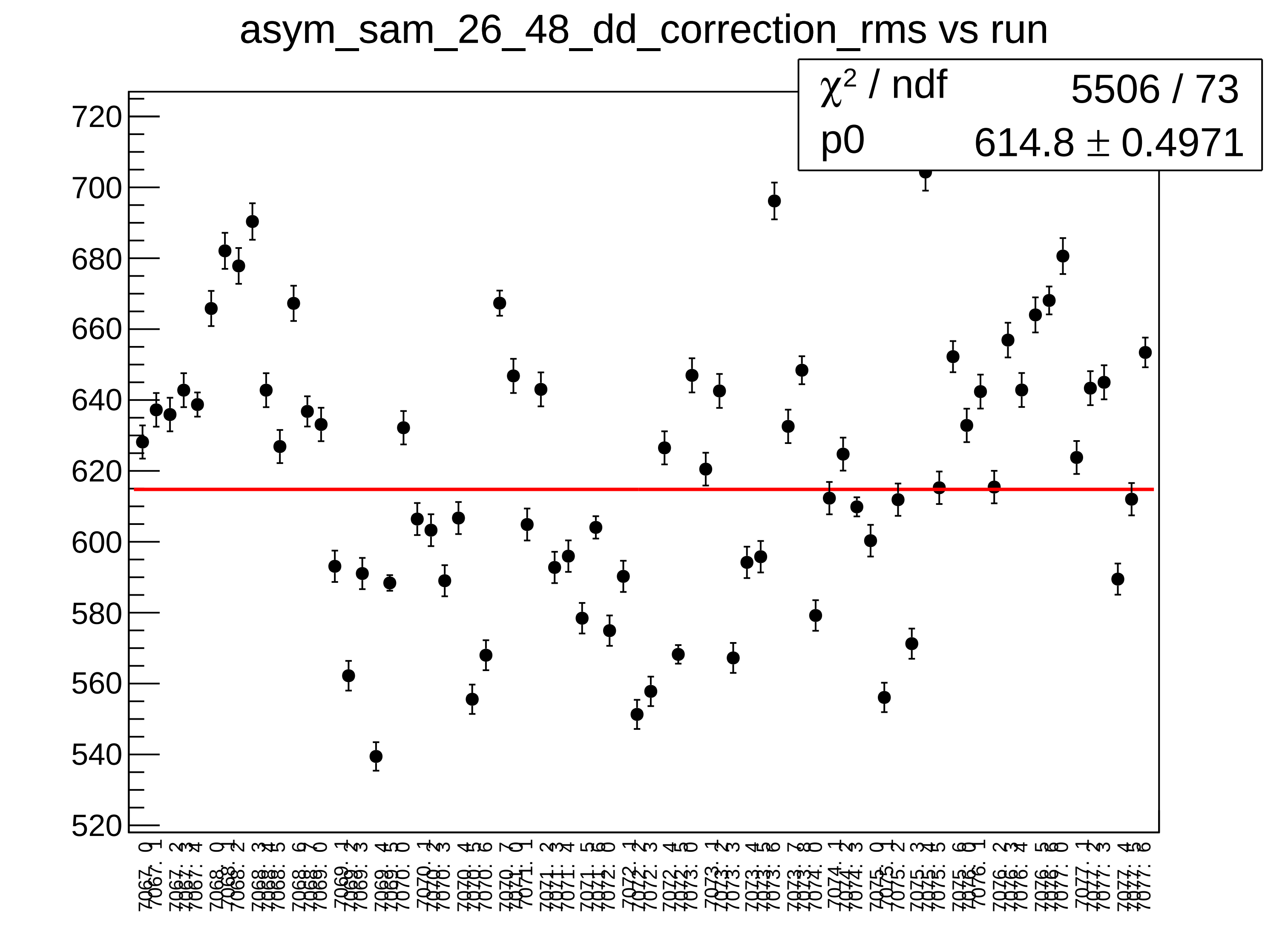
reg_asym_sam_26_48_dd_mean vs run
χ2 / ndf 68.77 / 73
p0 −19.58 ± 115.3
pull
Entries 74
Mean −69.11
Std Dev 169.8
pull1D
Entries 74
Mean 0.003024
Std Dev 0.964



reg_asym_sam_26_48_dd_rms vs run
χ2 / ndf 8542 / 73
p0 100.8 ± 0.08155
125
120
115
110
105
100
95
90

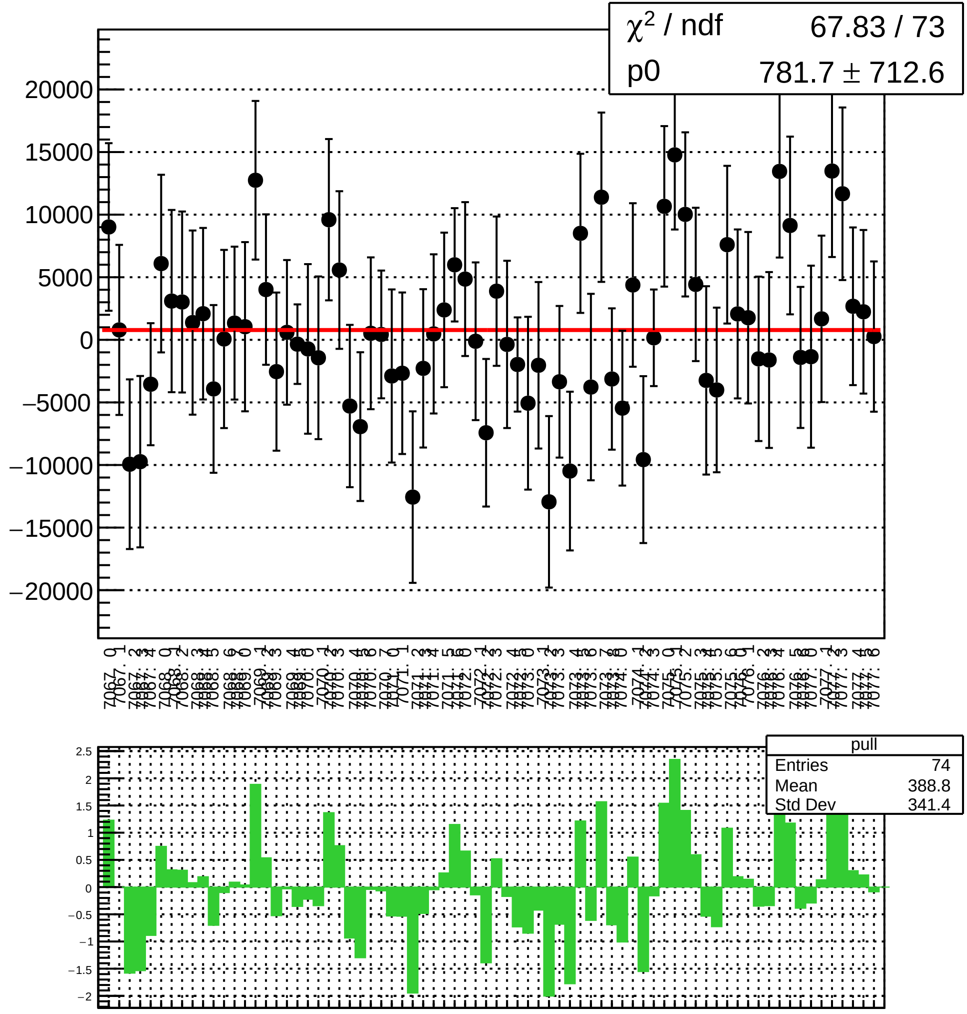


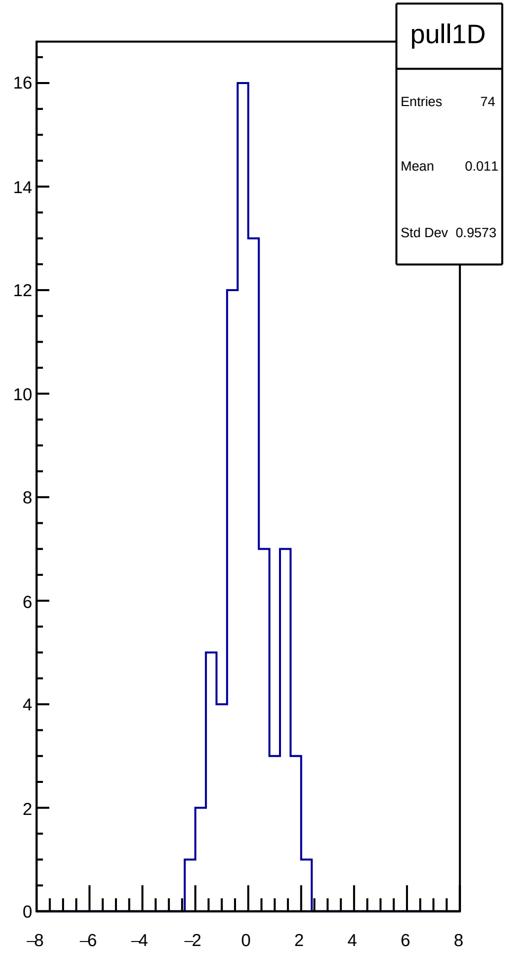
asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 70.36 / 73
p0 −811.9 ± 703
pull
Entries 74
Mean 460.9
Std Dev 412.8
pull1D
Entries 74
Mean −0.009431
Std Dev 0.975

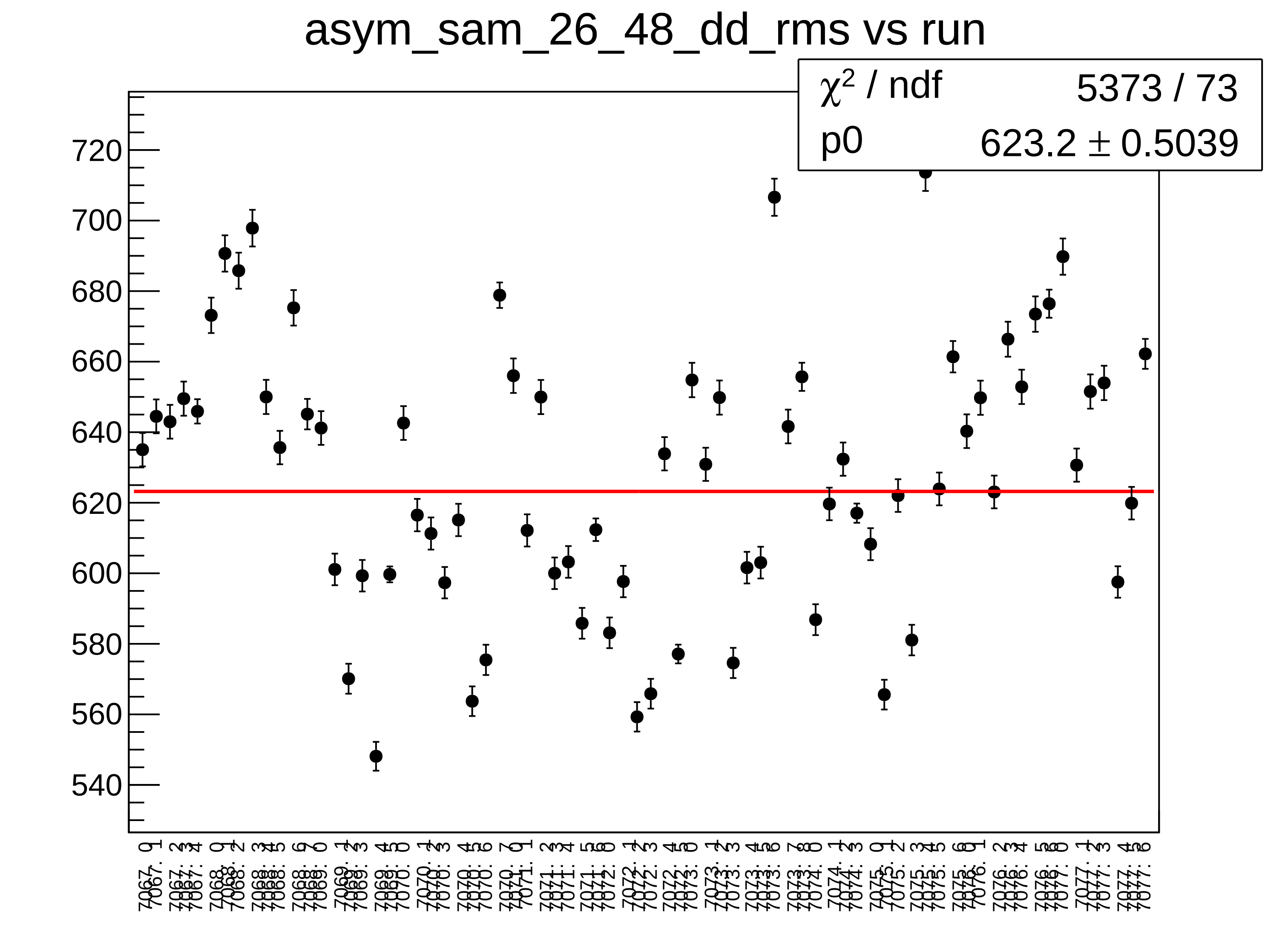


asym_sam_26_48_dd_correction_rms vs run
χ2 / ndf 5506 / 73
p0 614.8 ± 0.4971
720
700
680
660
640
620
600
580
560
540
520

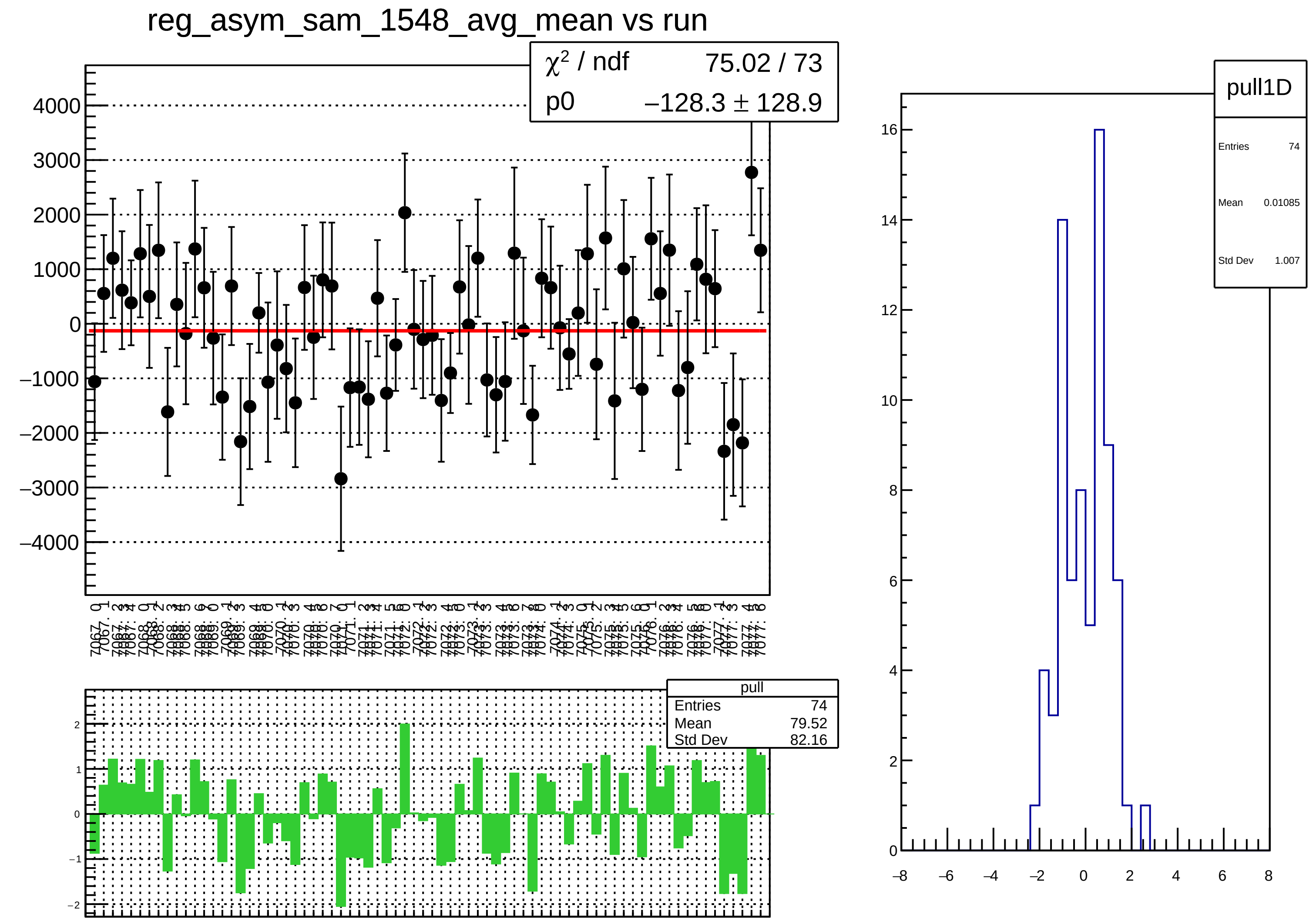
asym_sam_26_48_dd_mean vs run



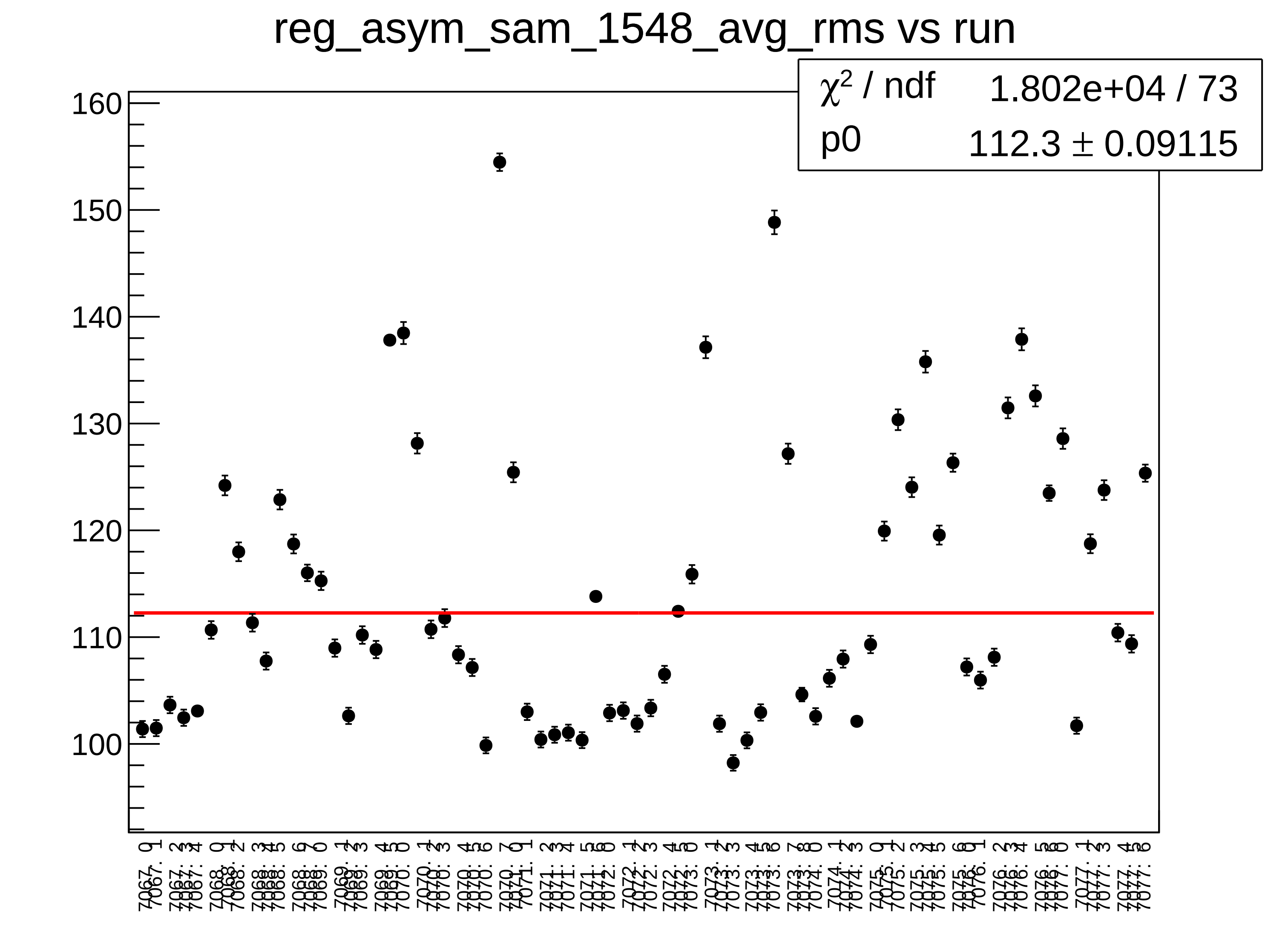


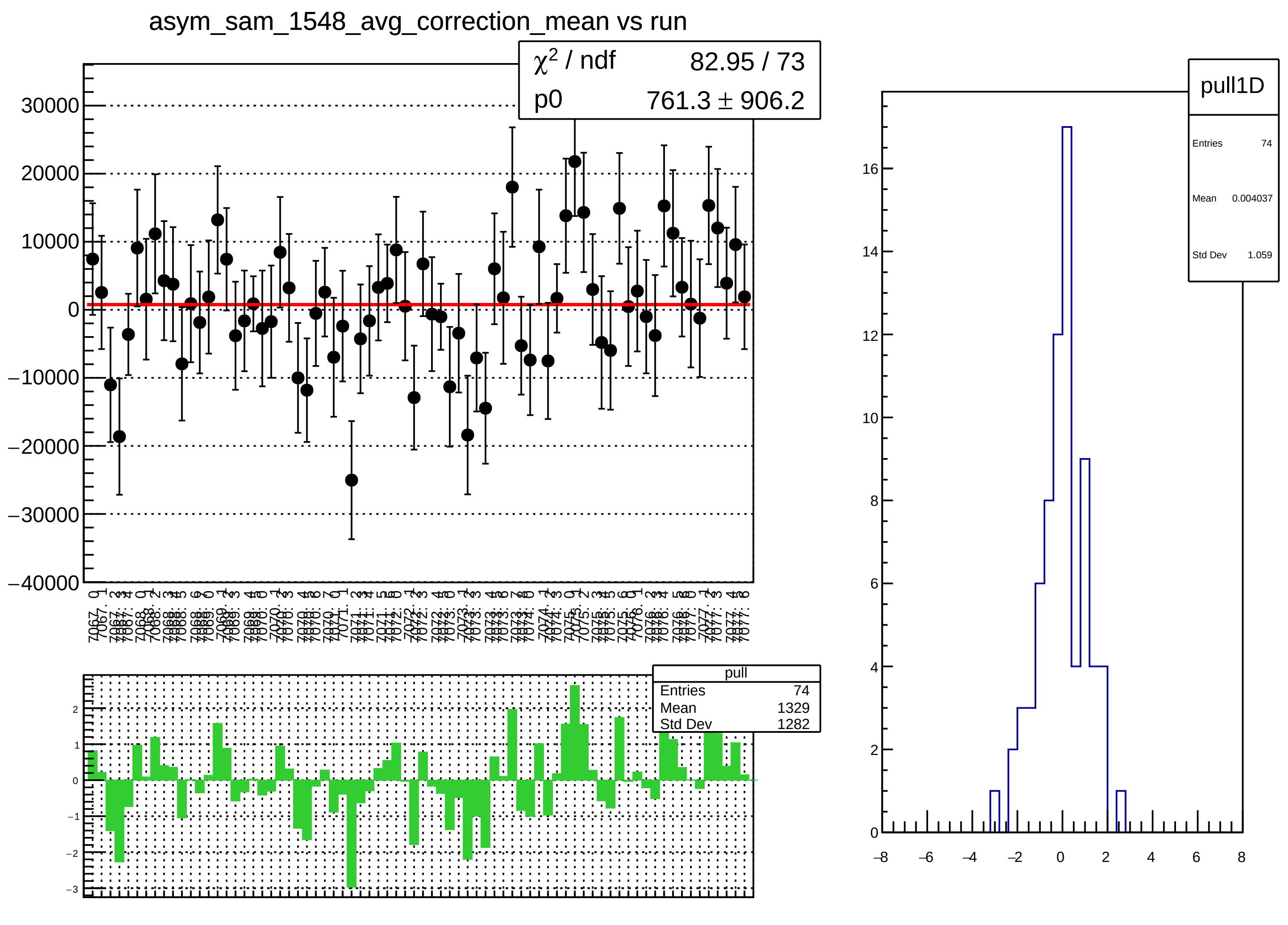


asym_sam_26_48_dd_rms vs run
χ² / ndf 5373 / 73
p0 623.2 ± 0.5039
720
700
680
660
640
620
600
580
560
540

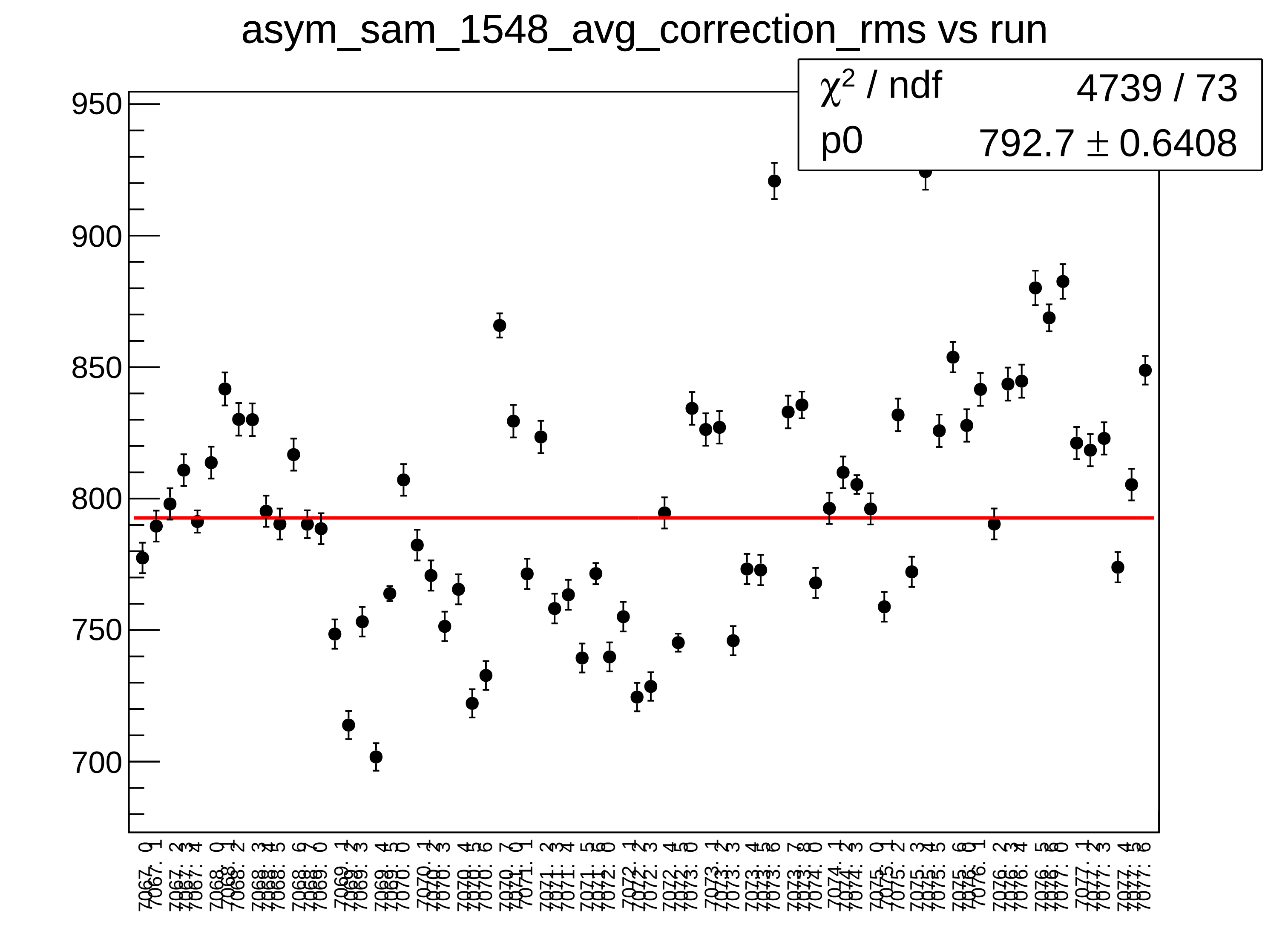


reg_asym_sam_1548_avg_mean vs run
χ^2 / ndf 75.02 / 73
p0 −128.3 ± 128.9
pull
Entries 74
Mean 79.52
Std Dev 82.16
pull1D
Entries 74
Mean 0.01085
Std Dev 1.007

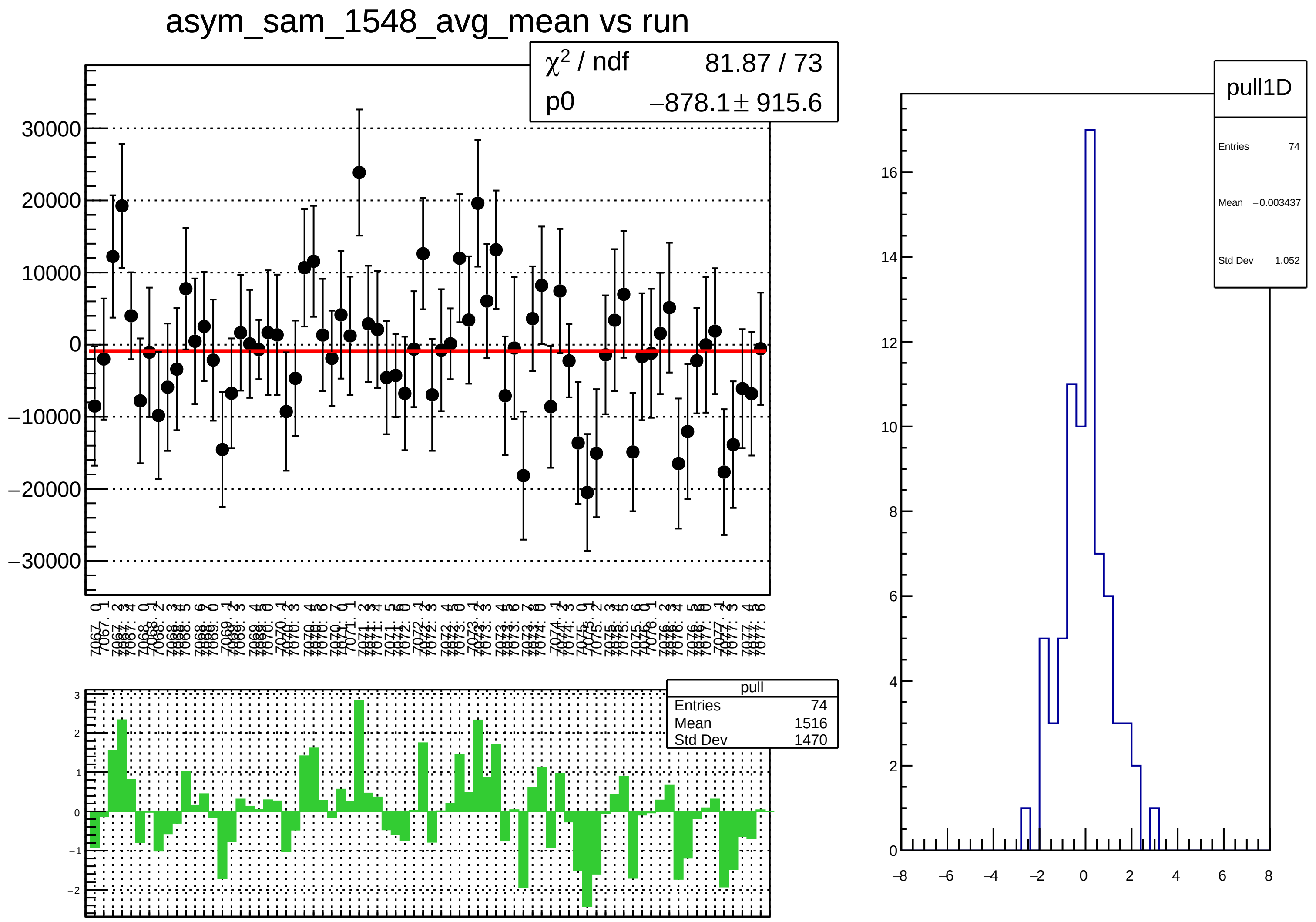

reg_asym_sam_1548_avg_rms vs run
χ2 / ndf 1.802e+04 / 73
p0 112.3 ± 0.09115
160
150
140
130
120
110
100



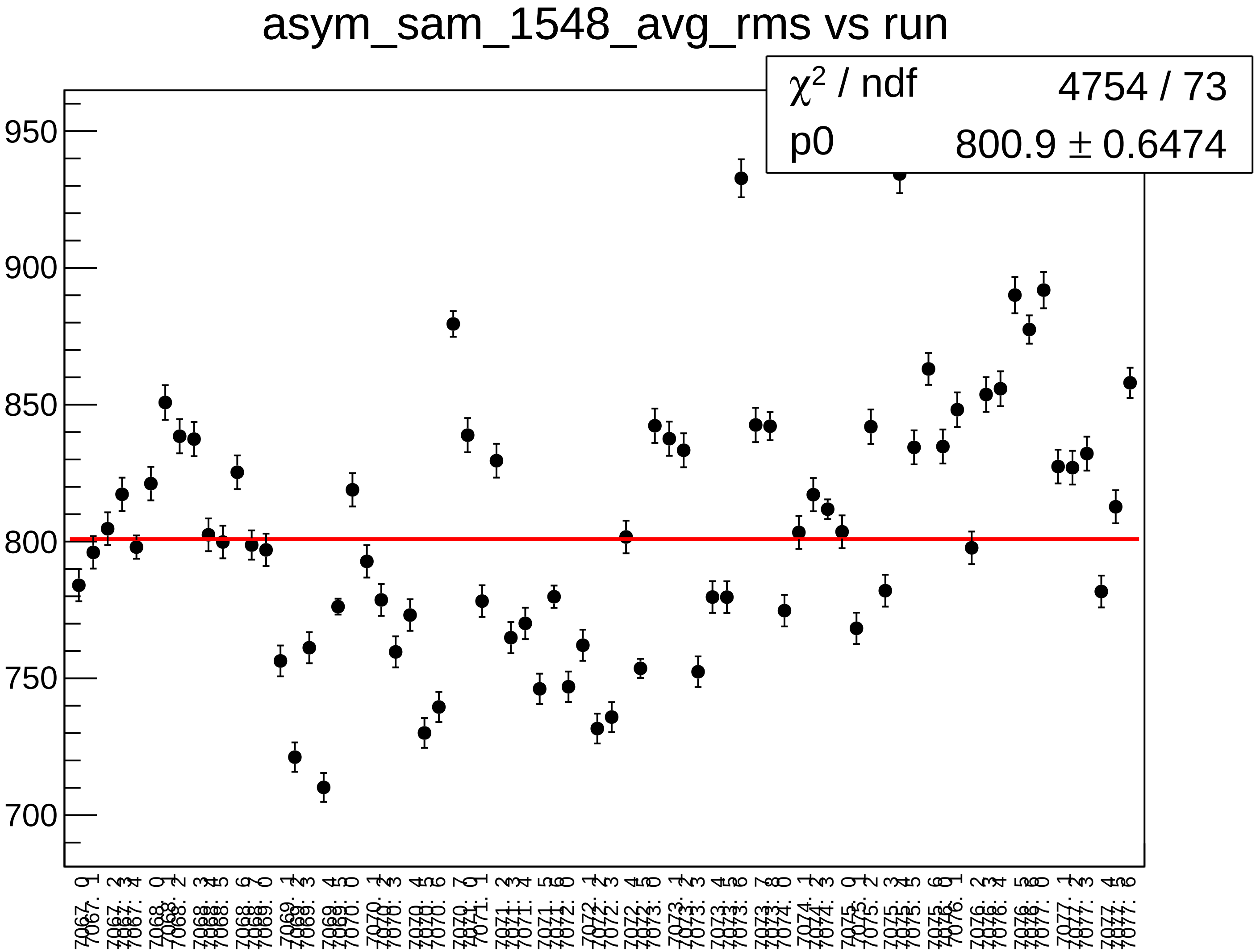
asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 82.95 / 73
p0 761.3 ± 906.2
pull
Entries 74
Mean 1329
Std Dev 1282
pull1D
Entries 74
Mean 0.004037
Std Dev 1.059



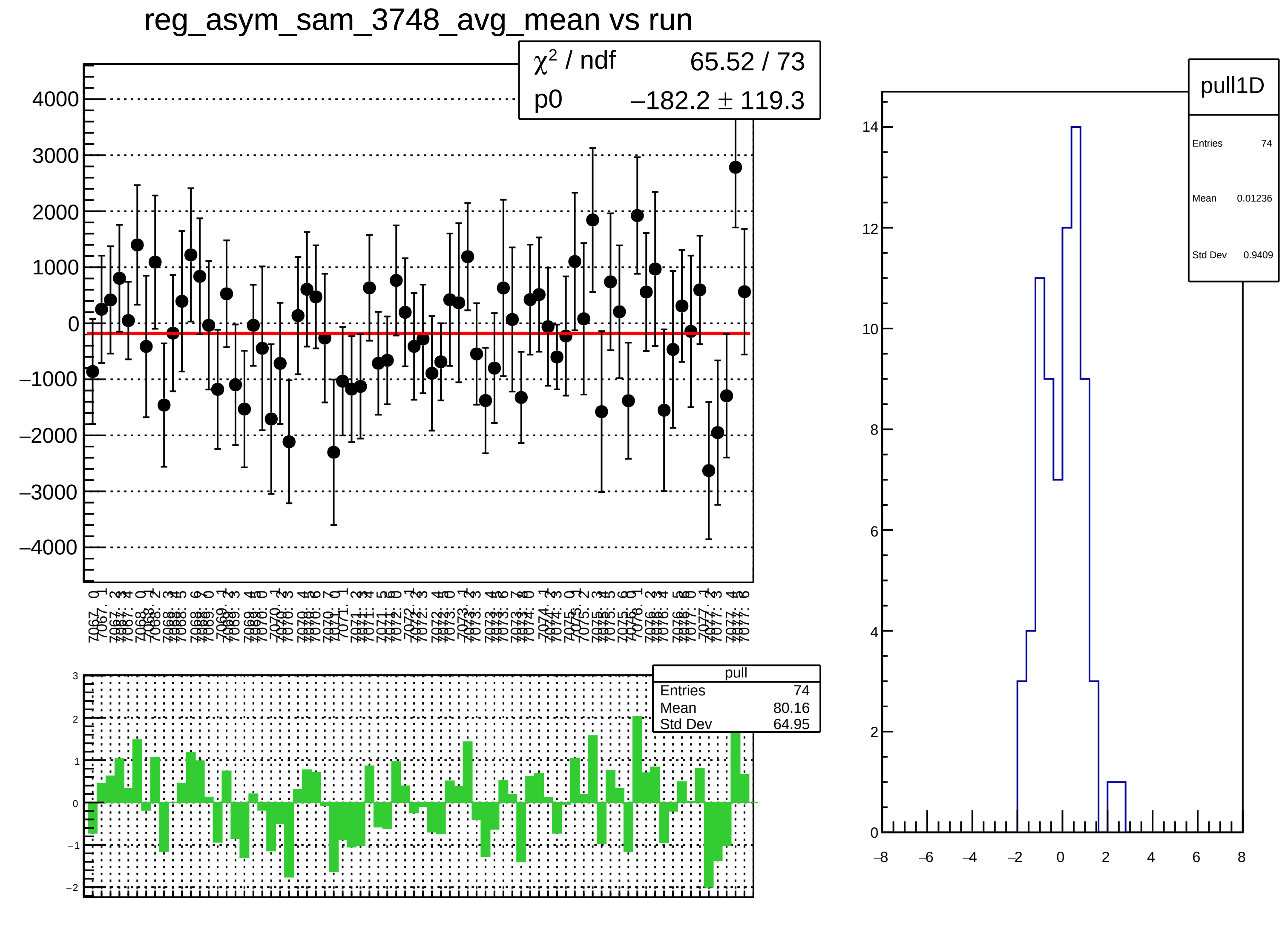
asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 4739 / 73
p0 792.7 ± 0.6408
950
900
850
800
750
700



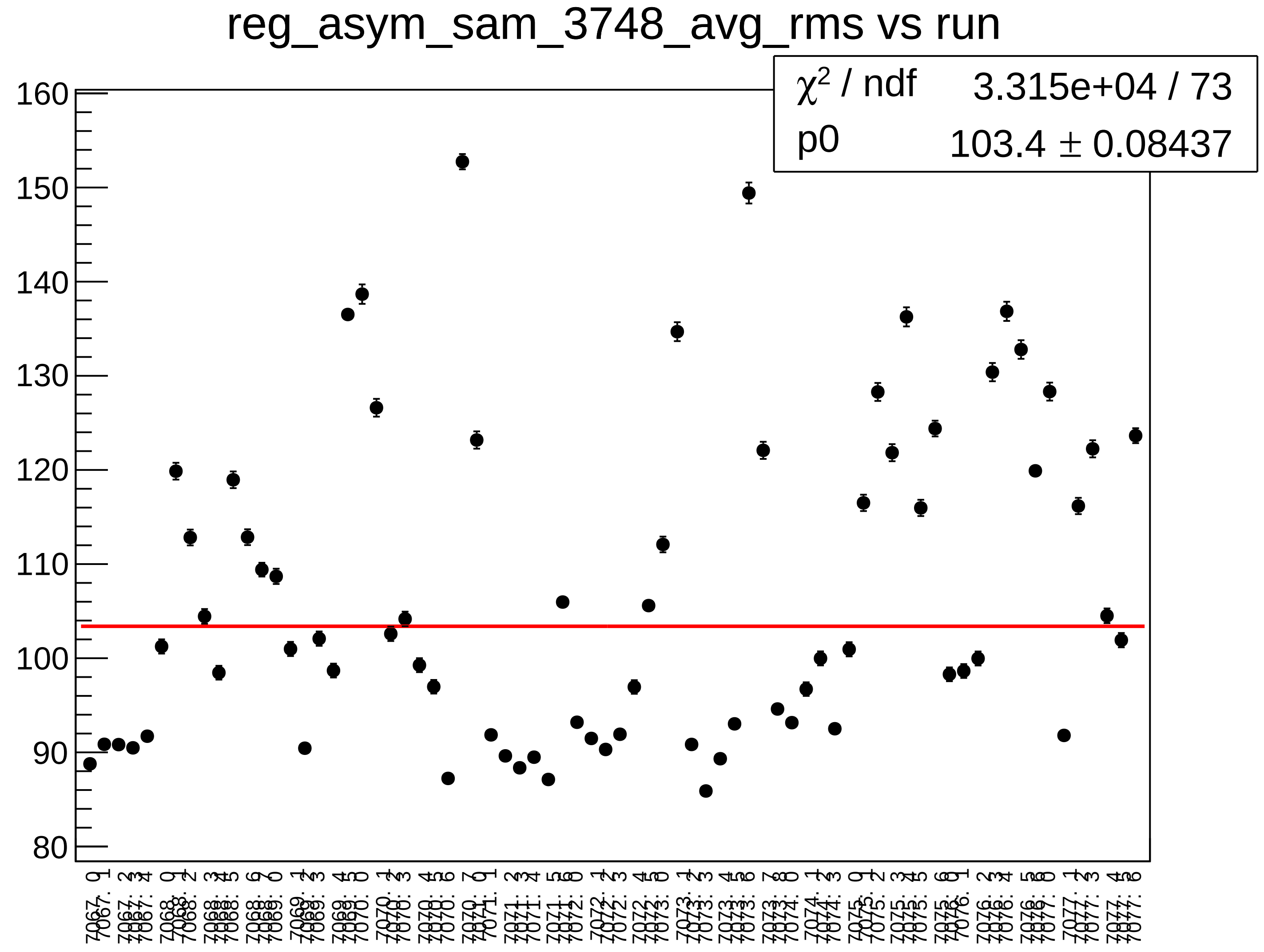
asym_sam_1548_avg_mean vs run
χ^2 / ndf 81.87 / 73
p0 −878.1 ± 915.6
pull
Entries 74
Mean 1516
Std Dev 1470
pull1D
Entries 74
Mean −0.003437
Std Dev 1.052



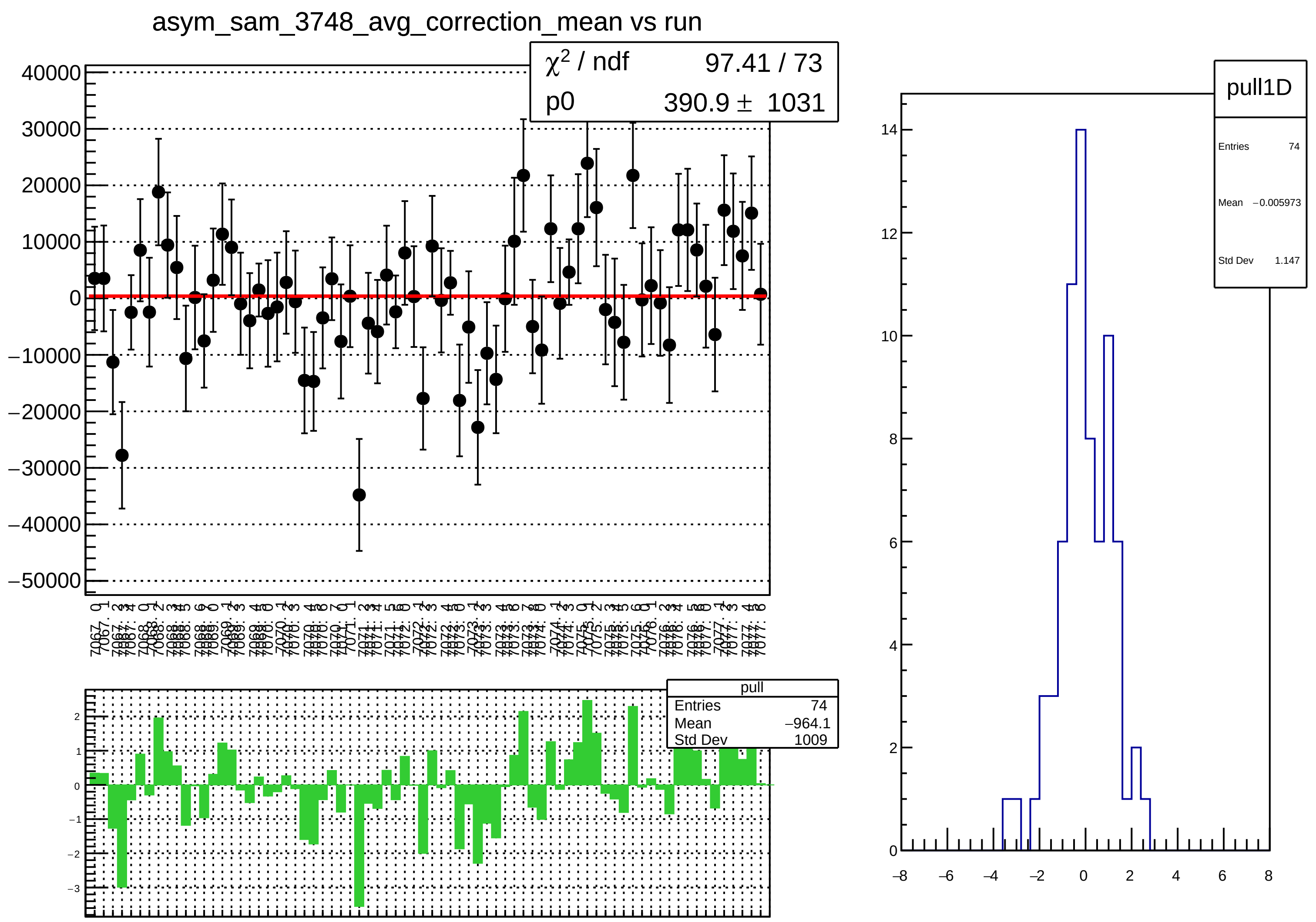
asym_sam_1548_avg_rms vs run
χ^2 / ndf 4754 / 73
p0 800.9 ± 0.6474
950
900
850
800
750
700



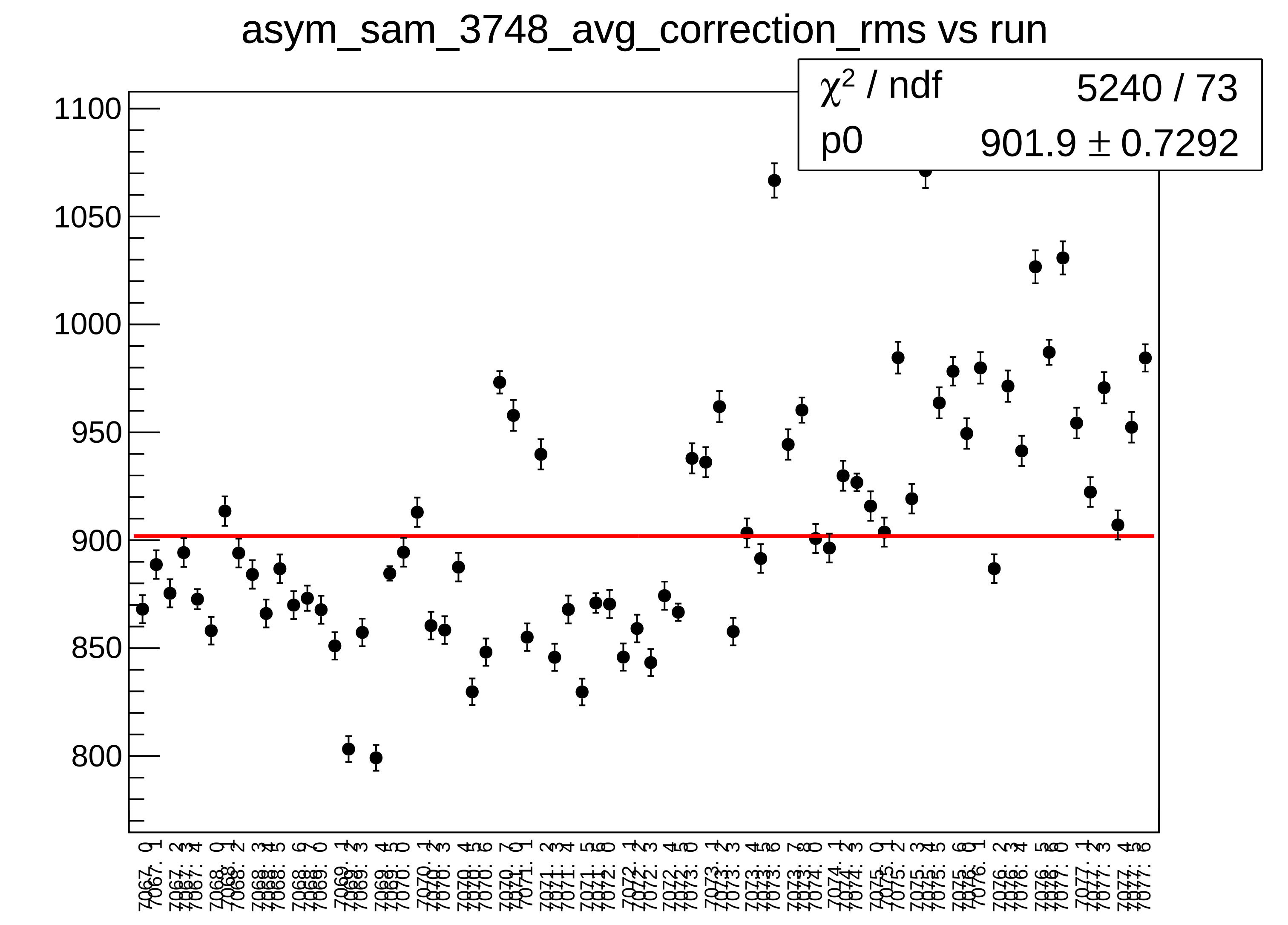
reg_asym_sam_3748_avg_mean vs run
χ2 / ndf 65.52 / 73
p0 −182.2 ± 119.3
pull
Entries 74
Mean 80.16
Std Dev 64.95
pull1D
Entries 74
Mean 0.01236
Std Dev 0.9409

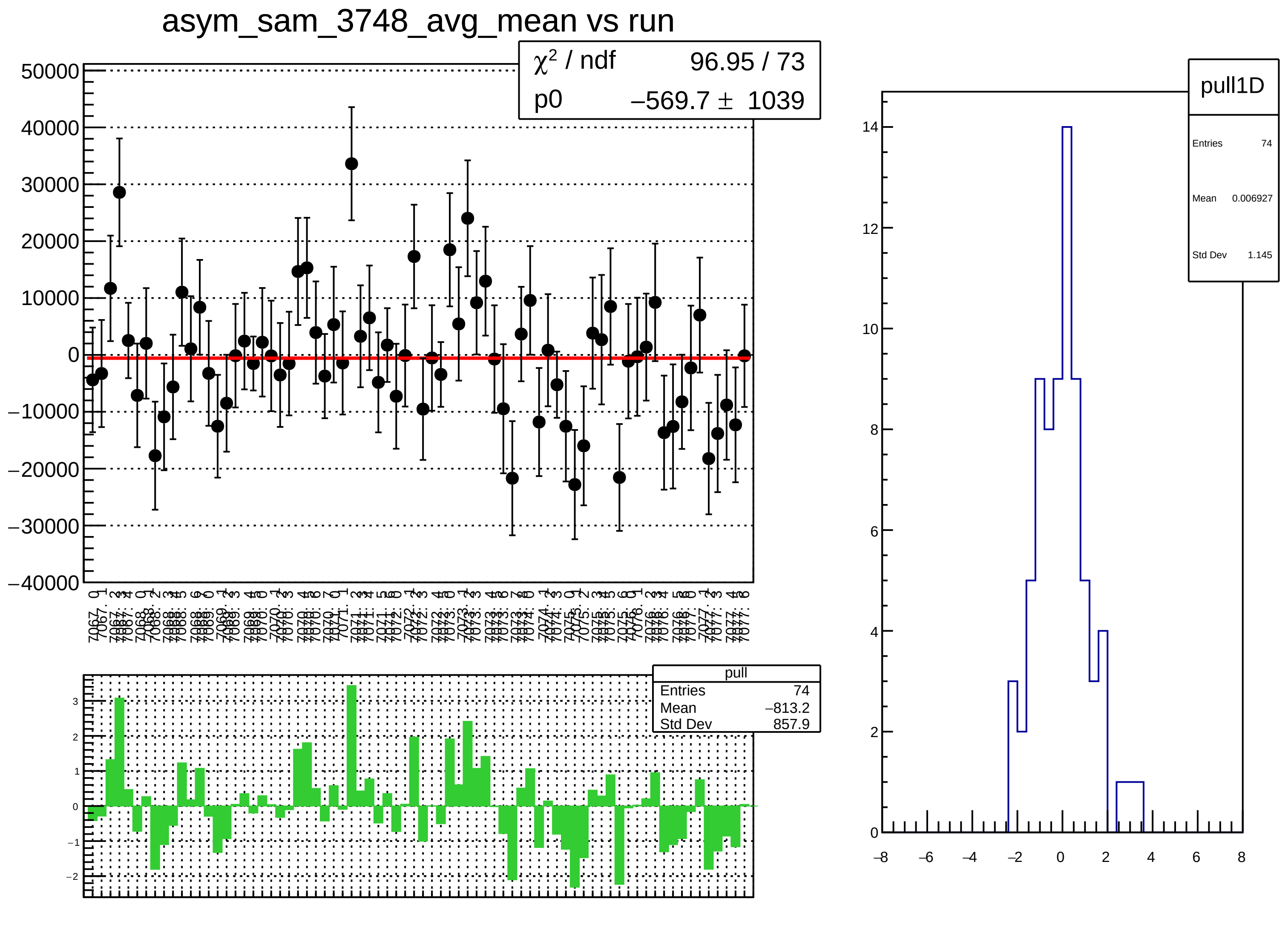


reg_asym_sam_3748_avg_rms vs run
χ^2 / ndf 3.315e+04 / 73
p0 103.4 ± 0.08437
160
150
140
130
120
110
100
90
80

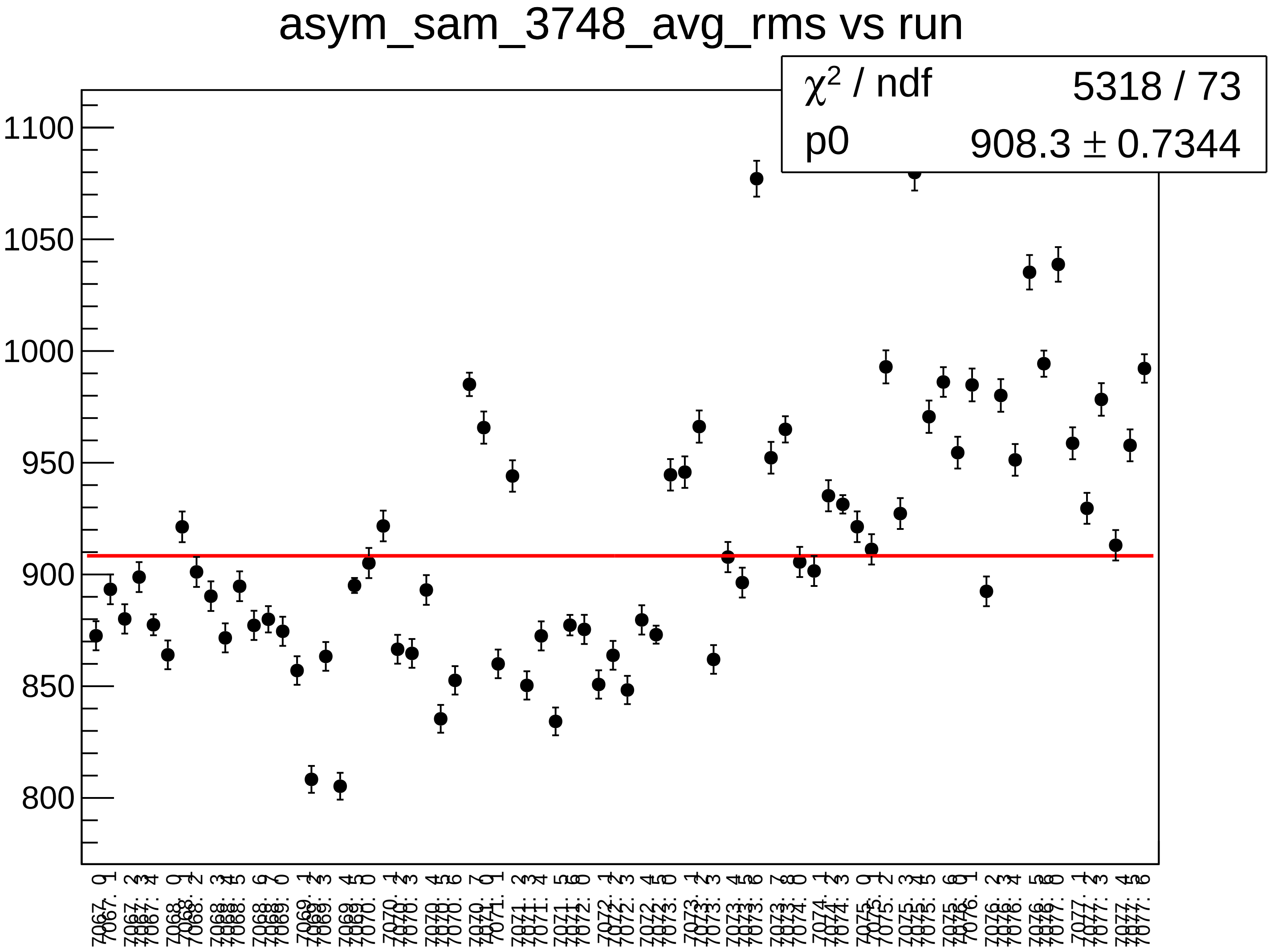


asym_sam_3748_avg_correction_mean vs run
χ^2 / ndf 97.41 / 73
p0 390.9 ± 1031
pull
Entries 74
Mean −964.1
Std Dev 1009
pull1D
Entries 74
Mean −0.005973
Std Dev 1.147

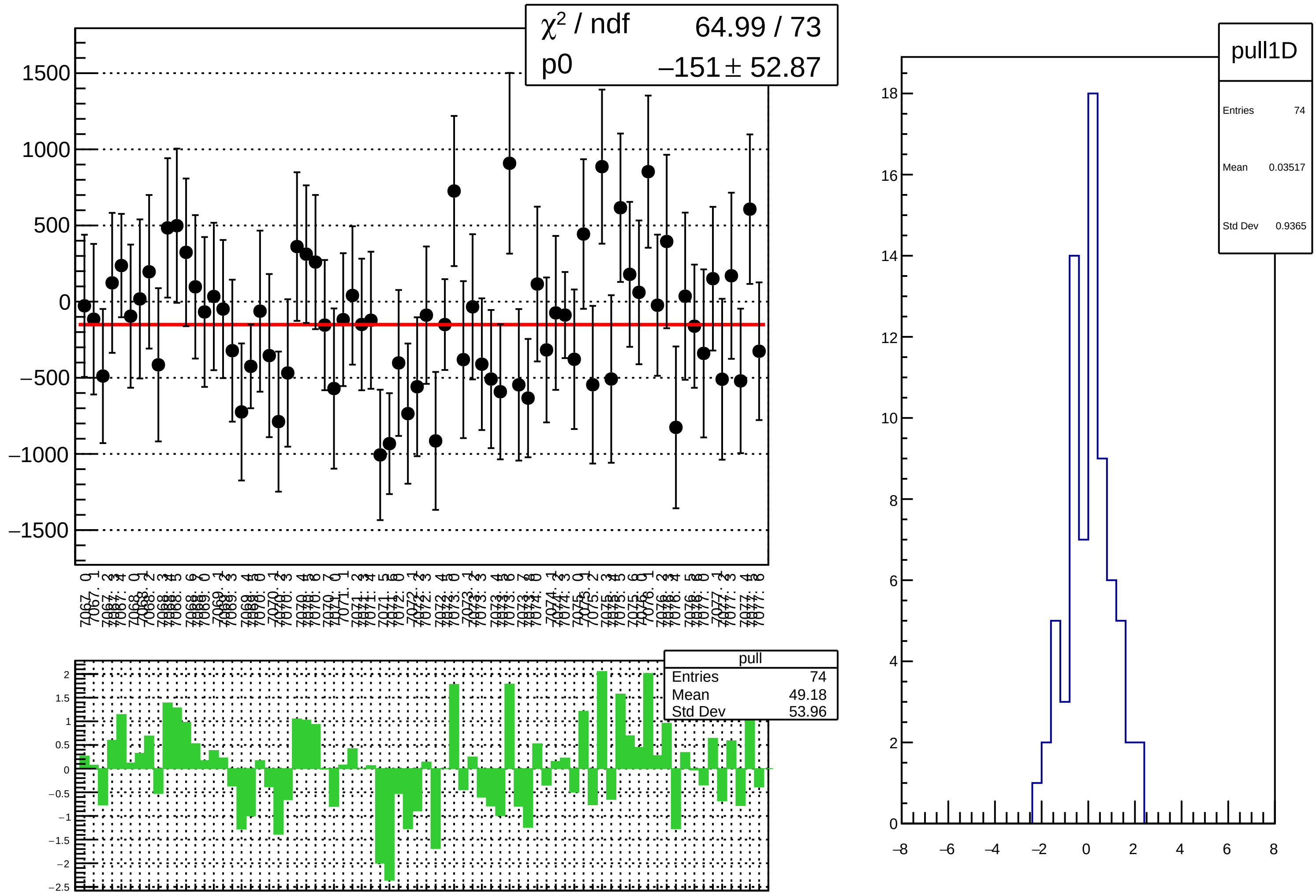

asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 5240 / 73
p0 901.9 ± 0.7292
1100
1050
1000
950
900
850
800

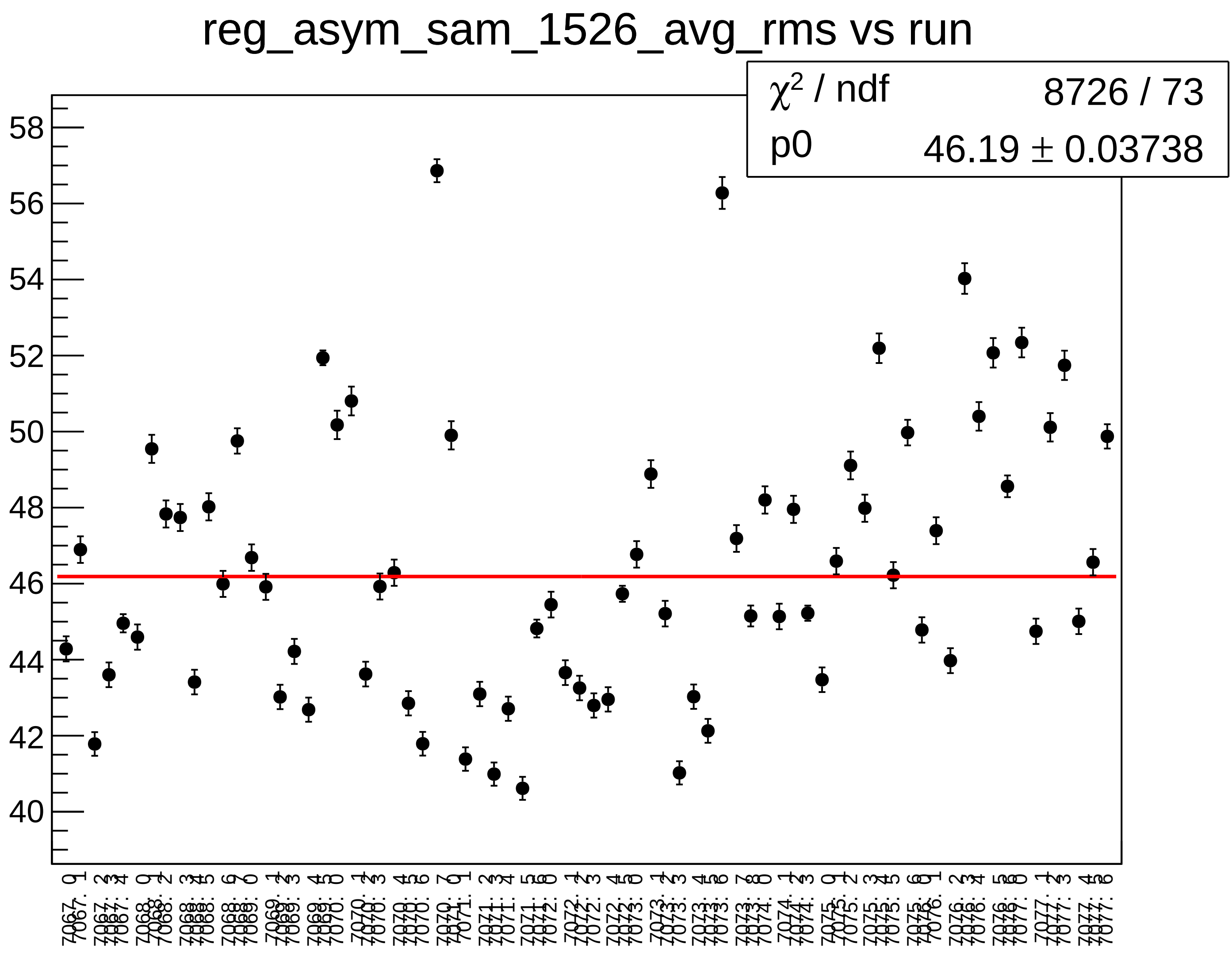


asym_sam_3748_avg_mean vs run
χ2 / ndf 96.95 / 73
p0 −569.7 ± 1039
pull
Entries 74
Mean −813.2
Std Dev 857.9
pull1D
Entries 74
Mean 0.006927
Std Dev 1.145

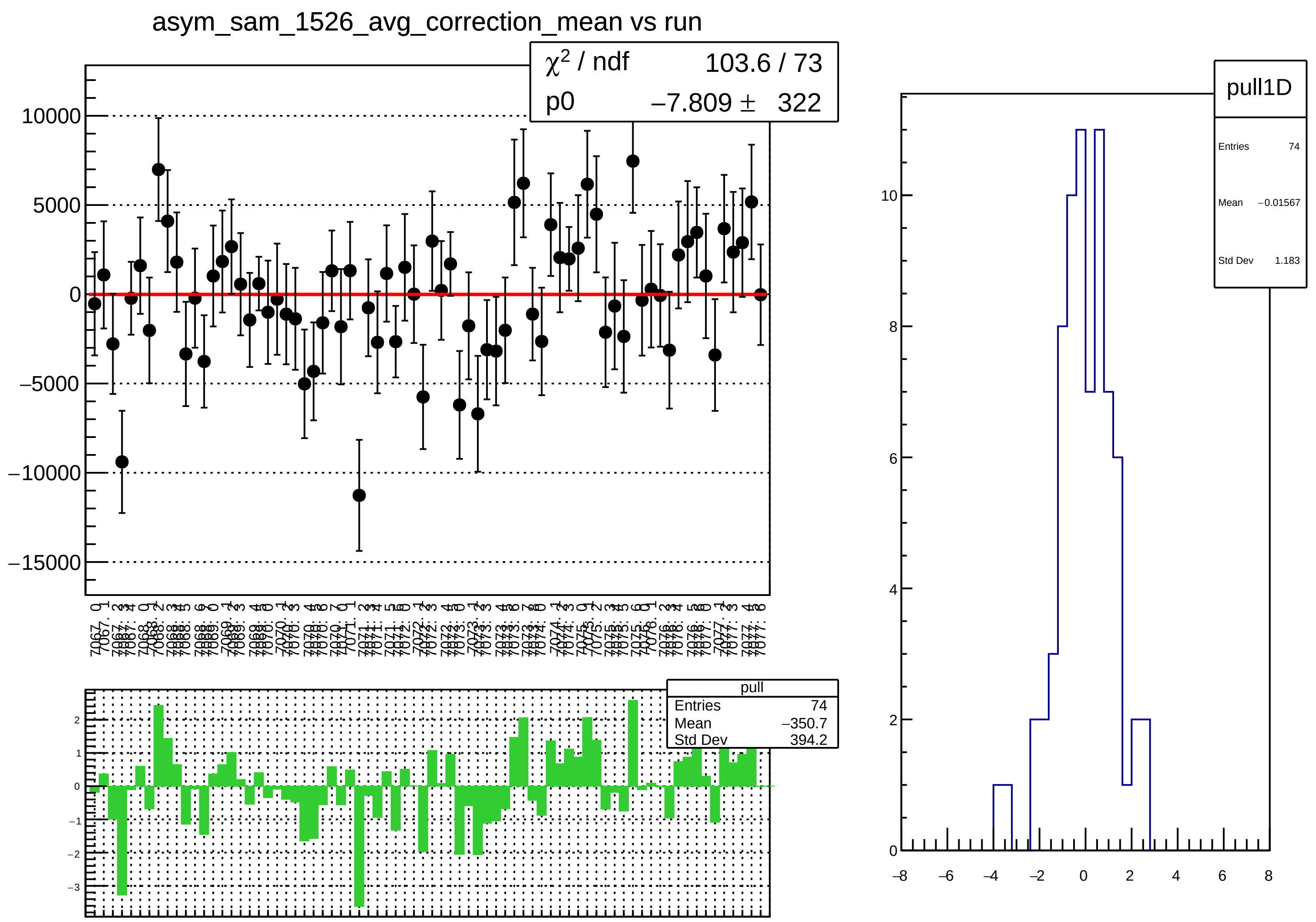

asym_sam_3748_avg_rms vs run
χ^2 / ndf 5318 / 73
p0 908.3 ± 0.7344
1100
1050
1000
950
900
850
800

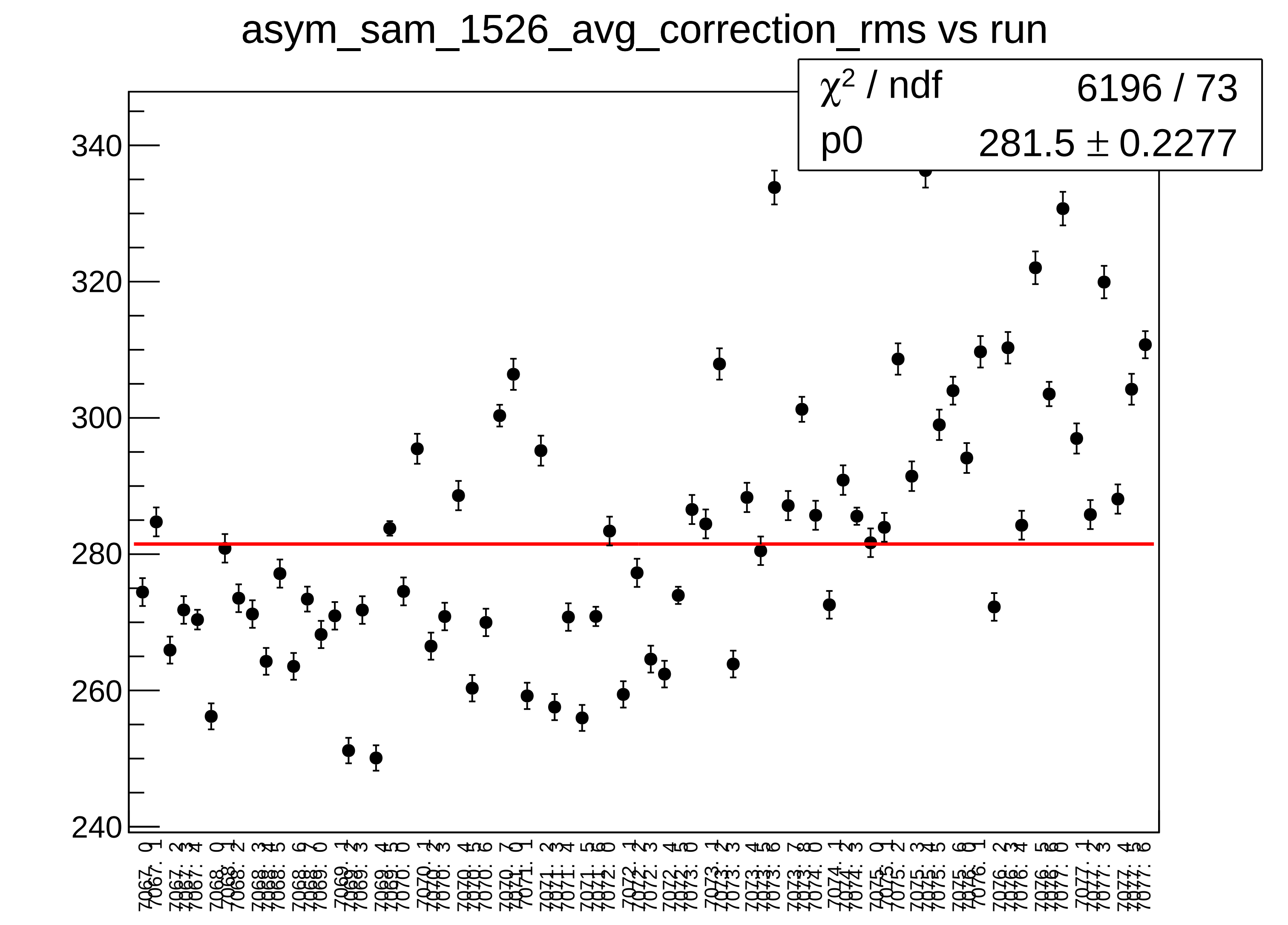
reg_asym_sam_1526_avg_mean vs run

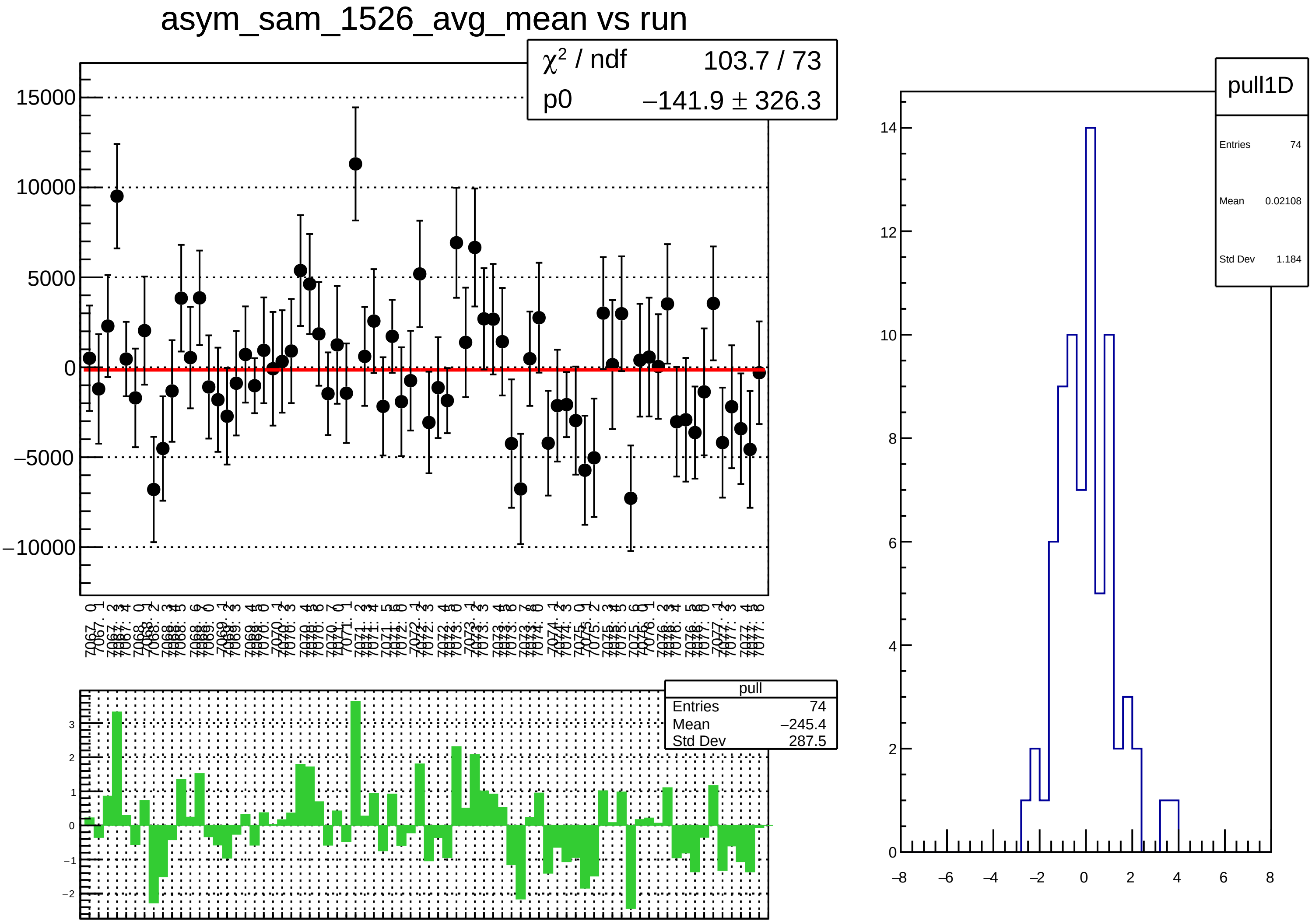




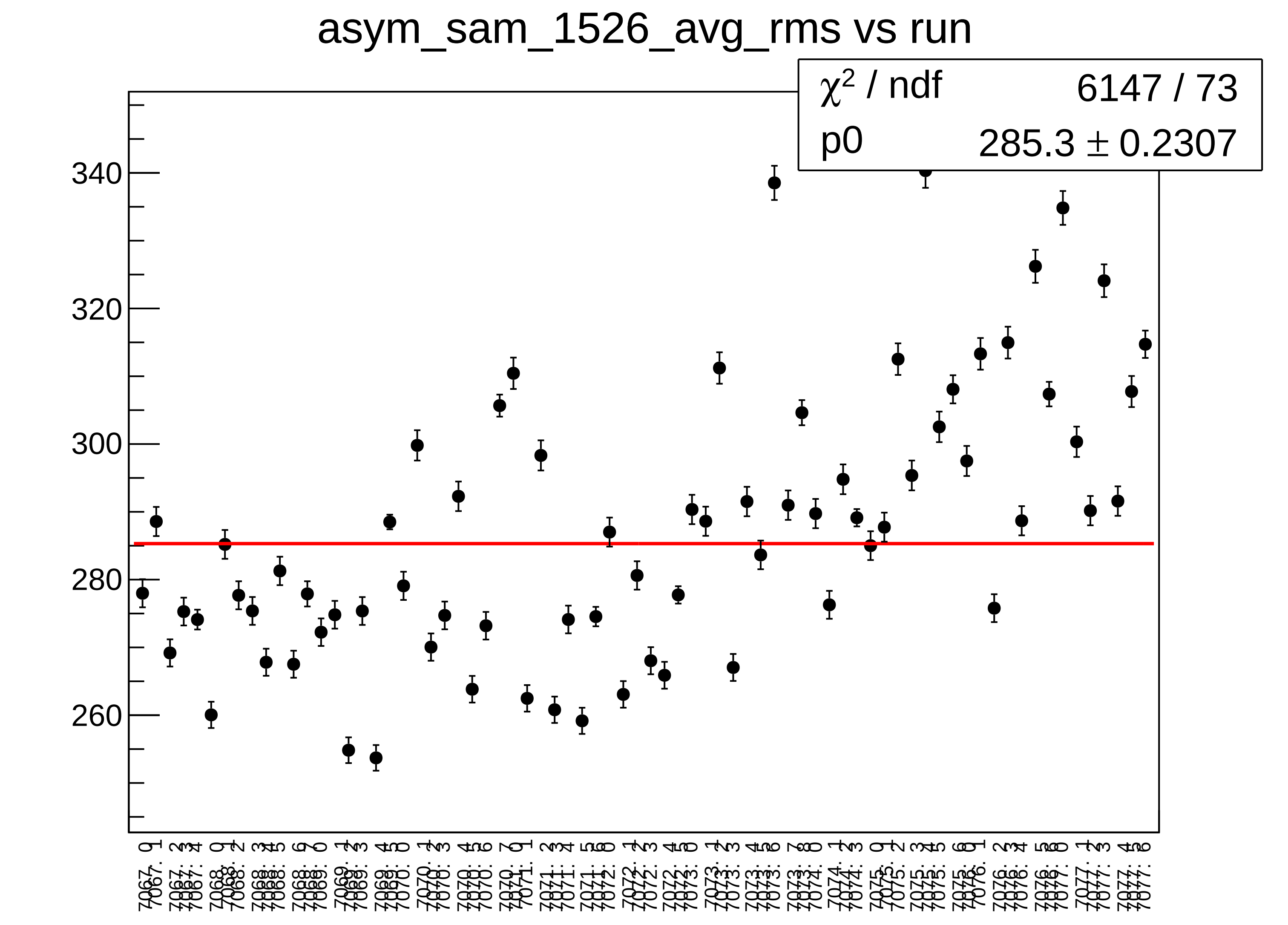
reg_asym_sam_1526_avg_rms vs run
χ^2 / ndf 8726 / 73
p0 46.19 ± 0.03738
58
56
54
52
50
48
46
44
42
40


asym_sam_1526_avg_correction_mean vs run
χ2 / ndf 103.6 / 73
p0 −7.809 ± 322
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −350.7
Std Dev 394.2
pull1D
Entries 74
Mean −0.01567
Std Dev 1.183

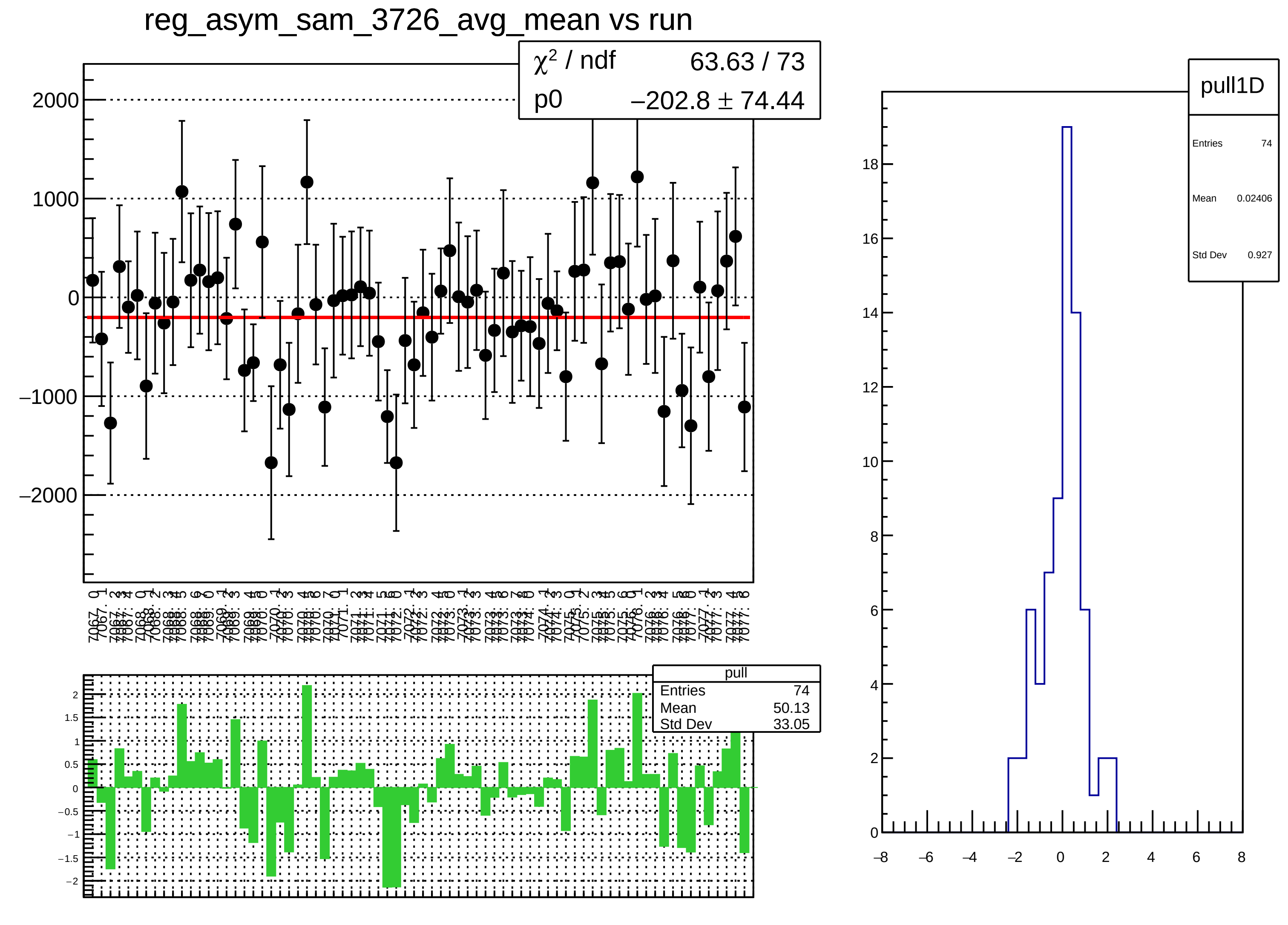

asym_sam_1526_avg_correction_rms vs run
χ2 / ndf 6196 / 73
p0 281.5 ± 0.2277
340
320
300
280
260
240



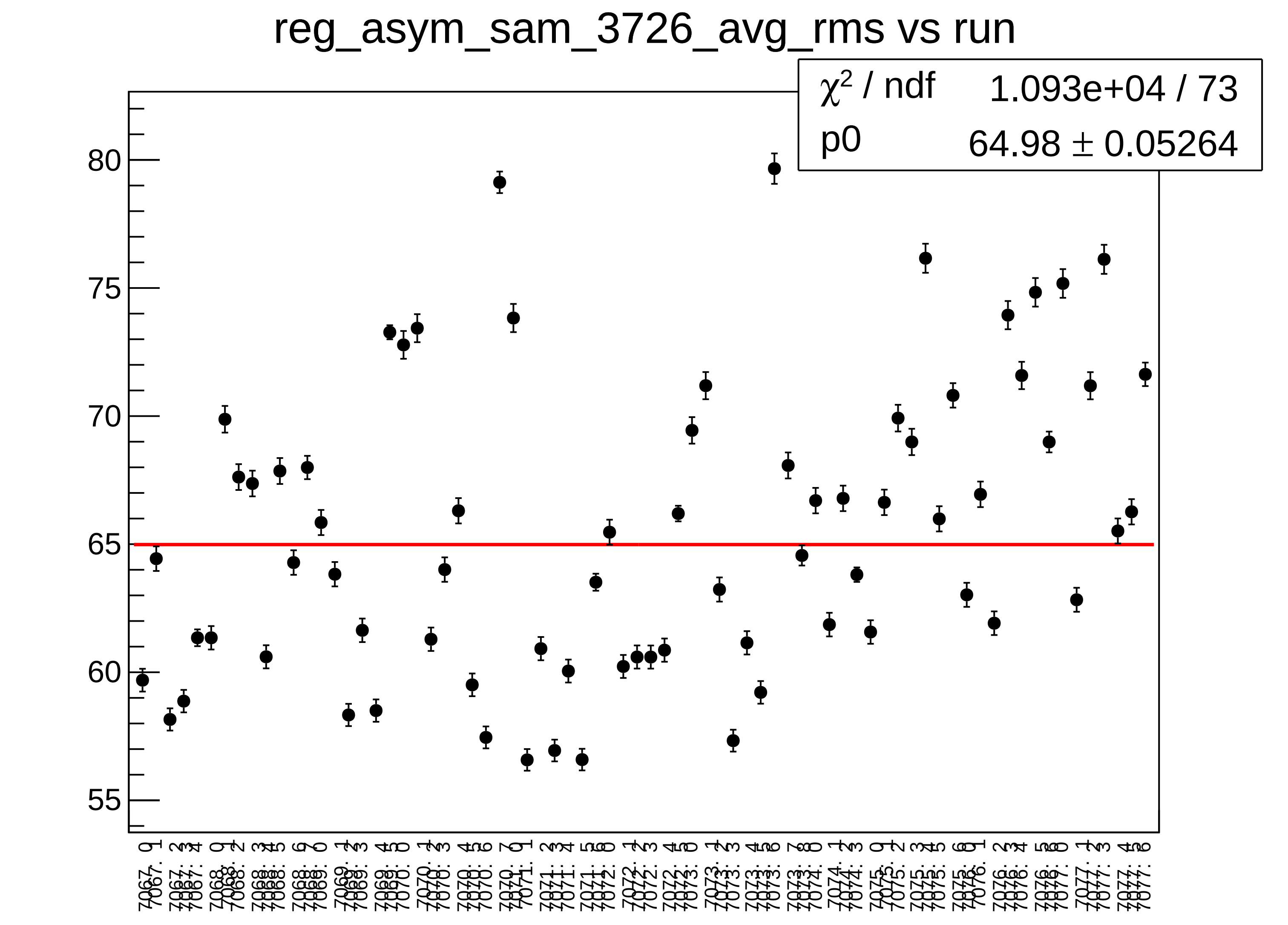
asym_sam_1526_avg_mean vs run
χ2 / ndf 103.7 / 73
p0 −141.9 ± 326.3
pull
Entries 74
Mean −245.4
Std Dev 287.5
pull1D
Entries 74
Mean 0.02108
Std Dev 1.184

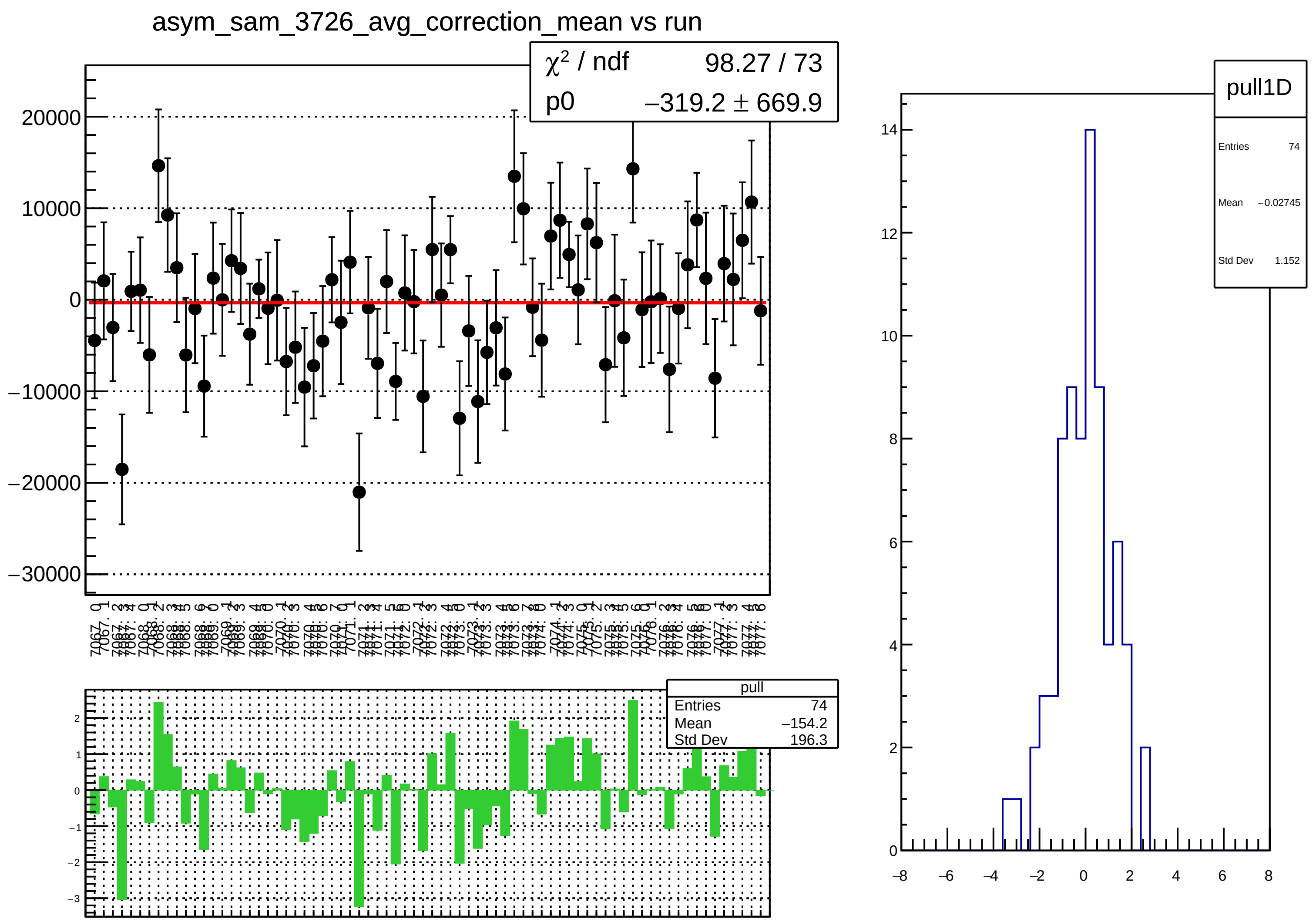


asym_sam_1526_avg_rms vs run
χ^2 / ndf 6147 / 73
p0 285.3 ± 0.2307
340
320
300
280
260

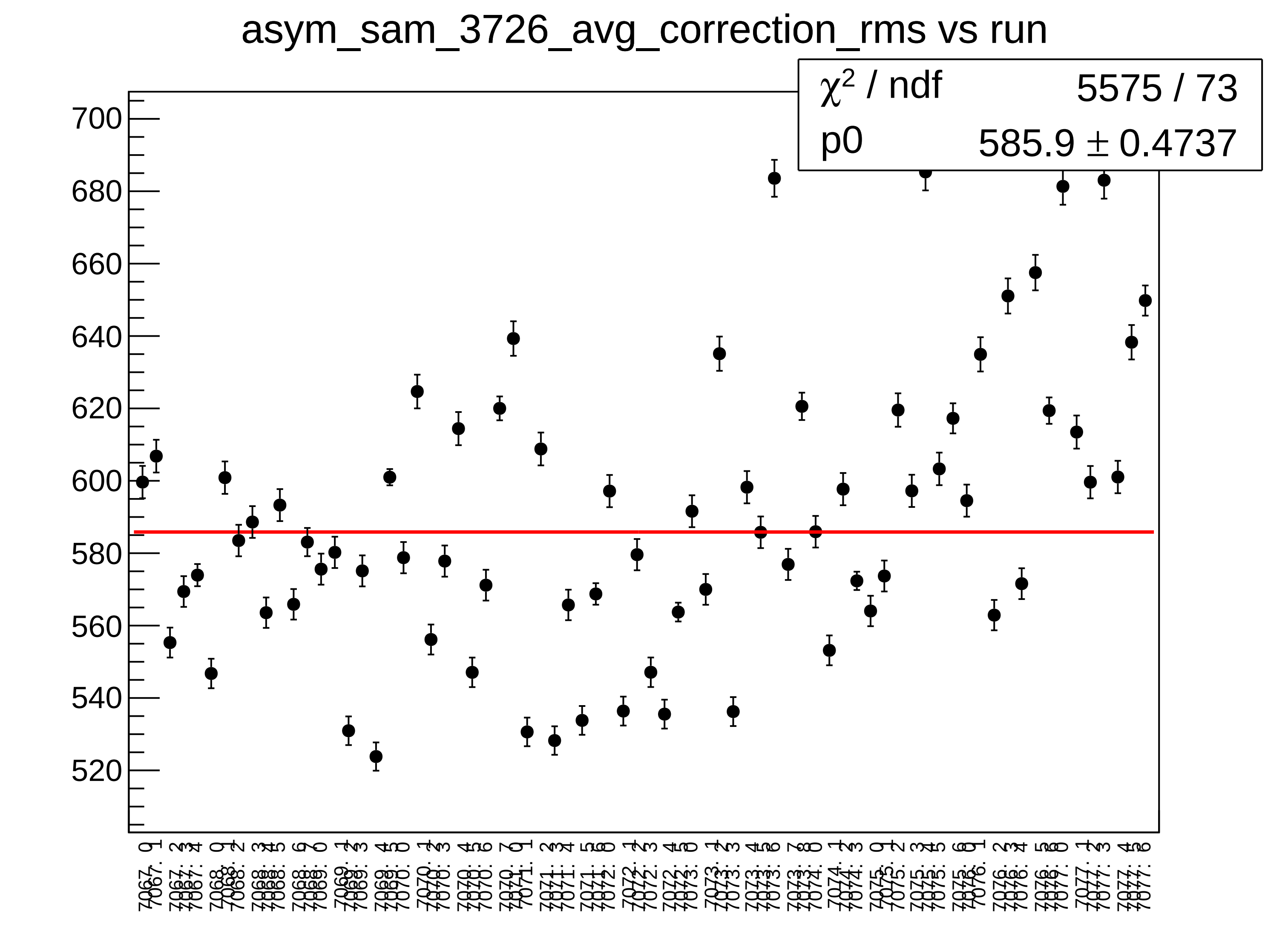


reg_asym_sam_3726_avg_mean vs run
χ2 / ndf 63.63 / 73
p0 −202.8 ± 74.44
pull
Entries 74
Mean 50.13
Std Dev 33.05
pull1D
Entries 74
Mean 0.02406
Std Dev 0.927

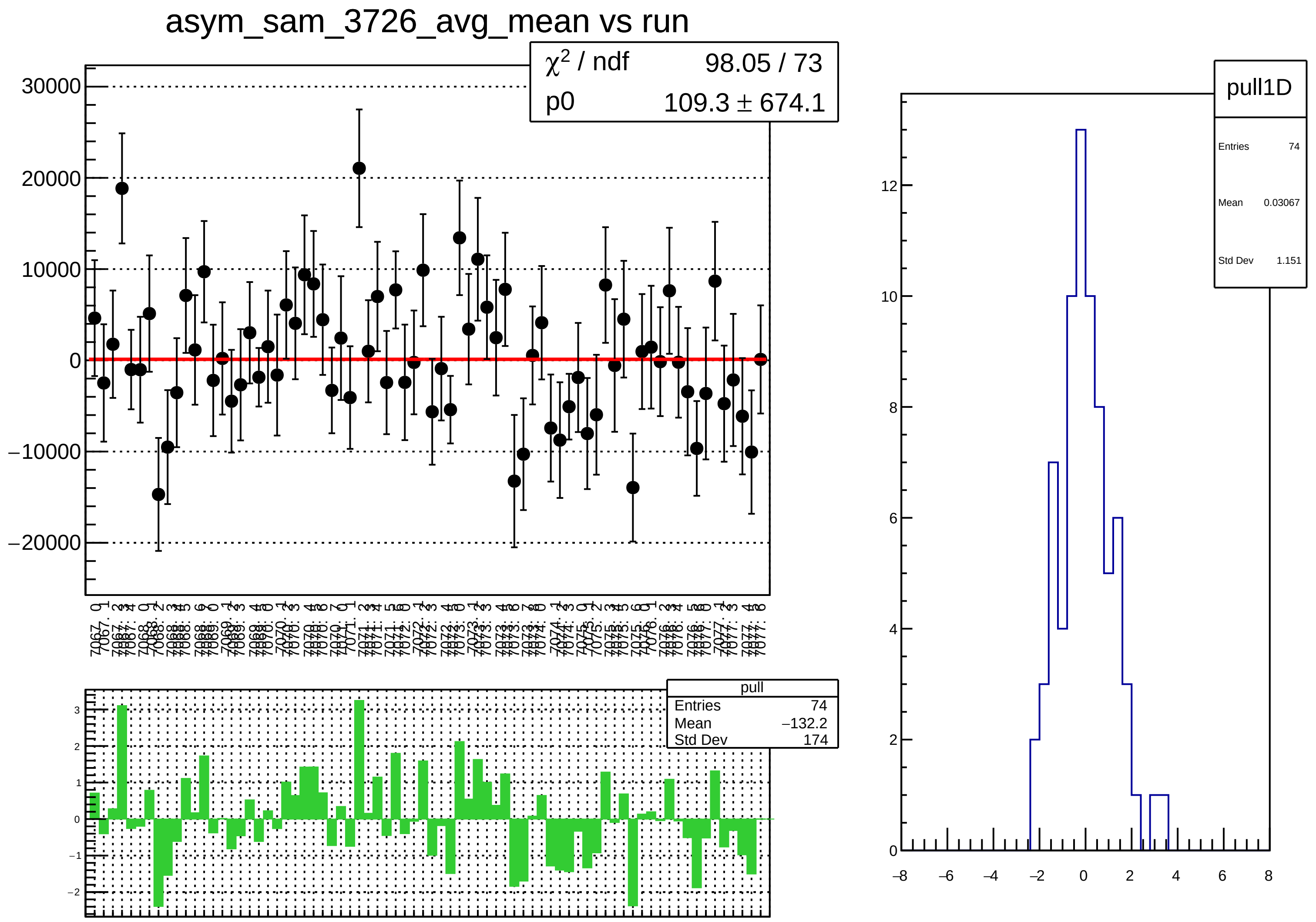

reg_asym_sam_3726_avg_rms vs run
χ2 / ndf 1.093e+04 / 73
p0 64.98 ± 0.05264
80
75
70
65
60
55



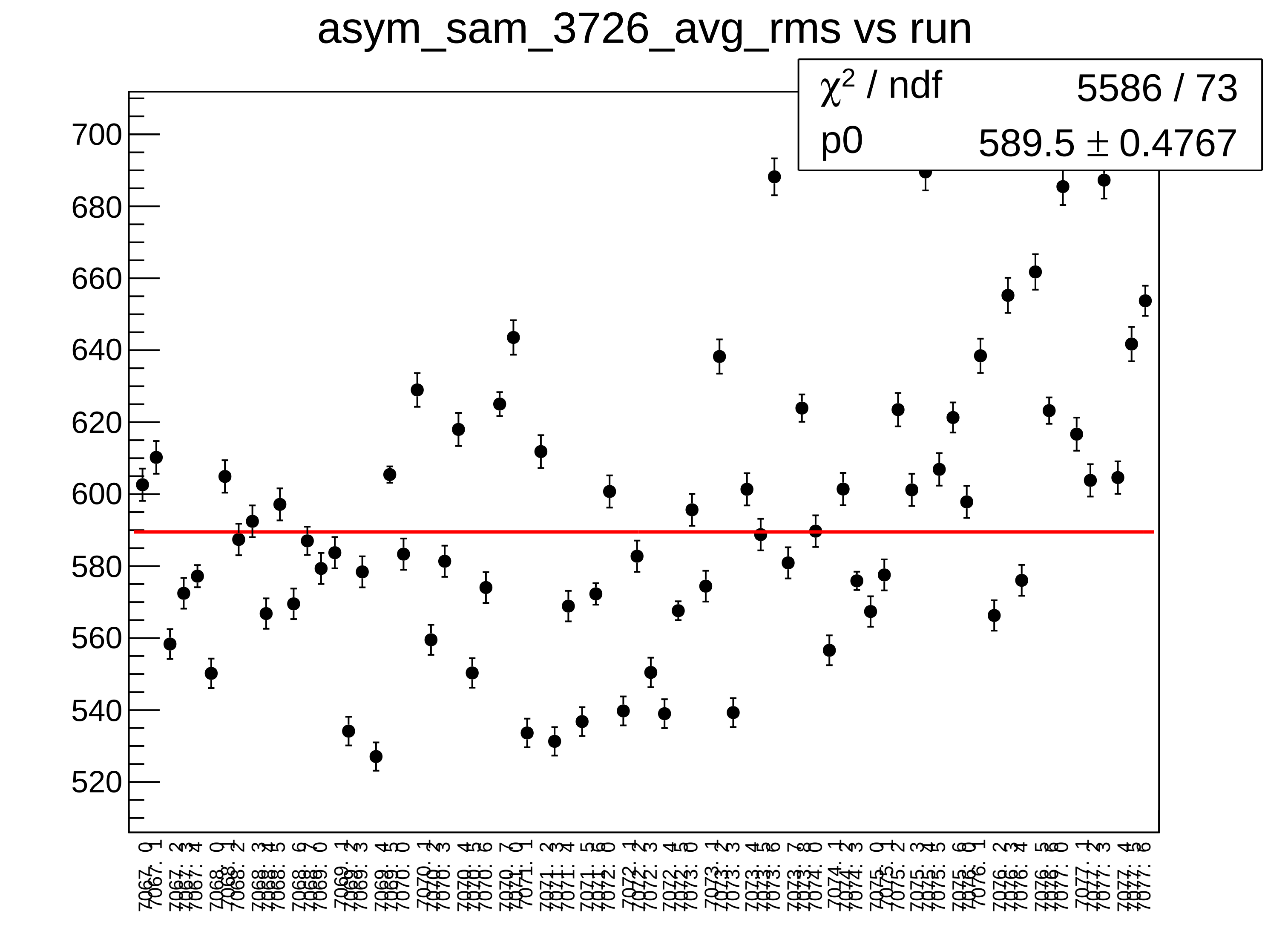
asym_sam_3726_avg_correction_mean vs run
χ2 / ndf 98.27 / 73
p0 −319.2 ± 669.9
pull
Entries 74
Mean −154.2
Std Dev 196.3
pull1D
Entries 74
Mean −0.02745
Std Dev 1.152



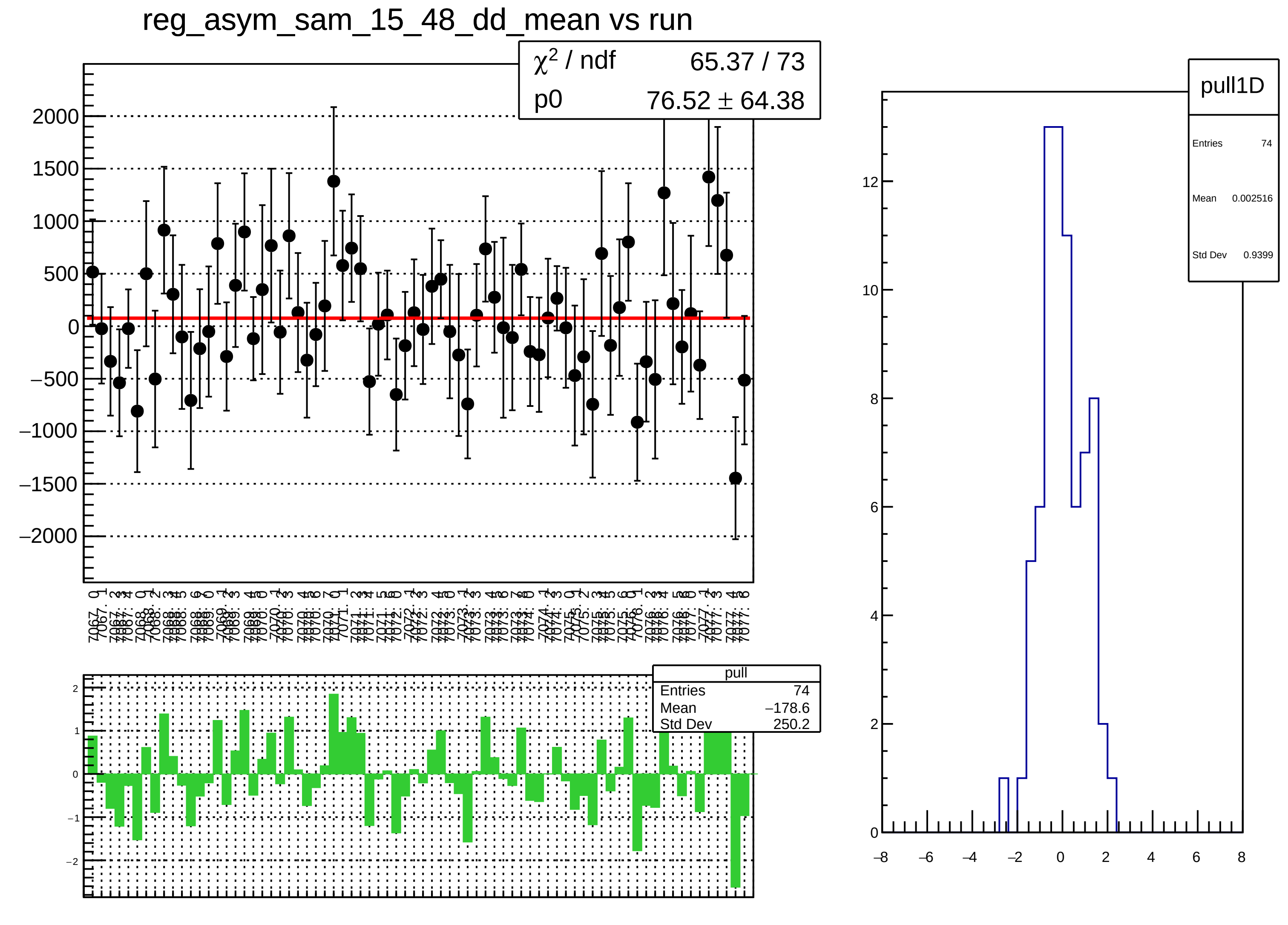
asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 5575 / 73
p0 585.9 ± 0.4737
700
680
660
640
620
600
580
560
540
520

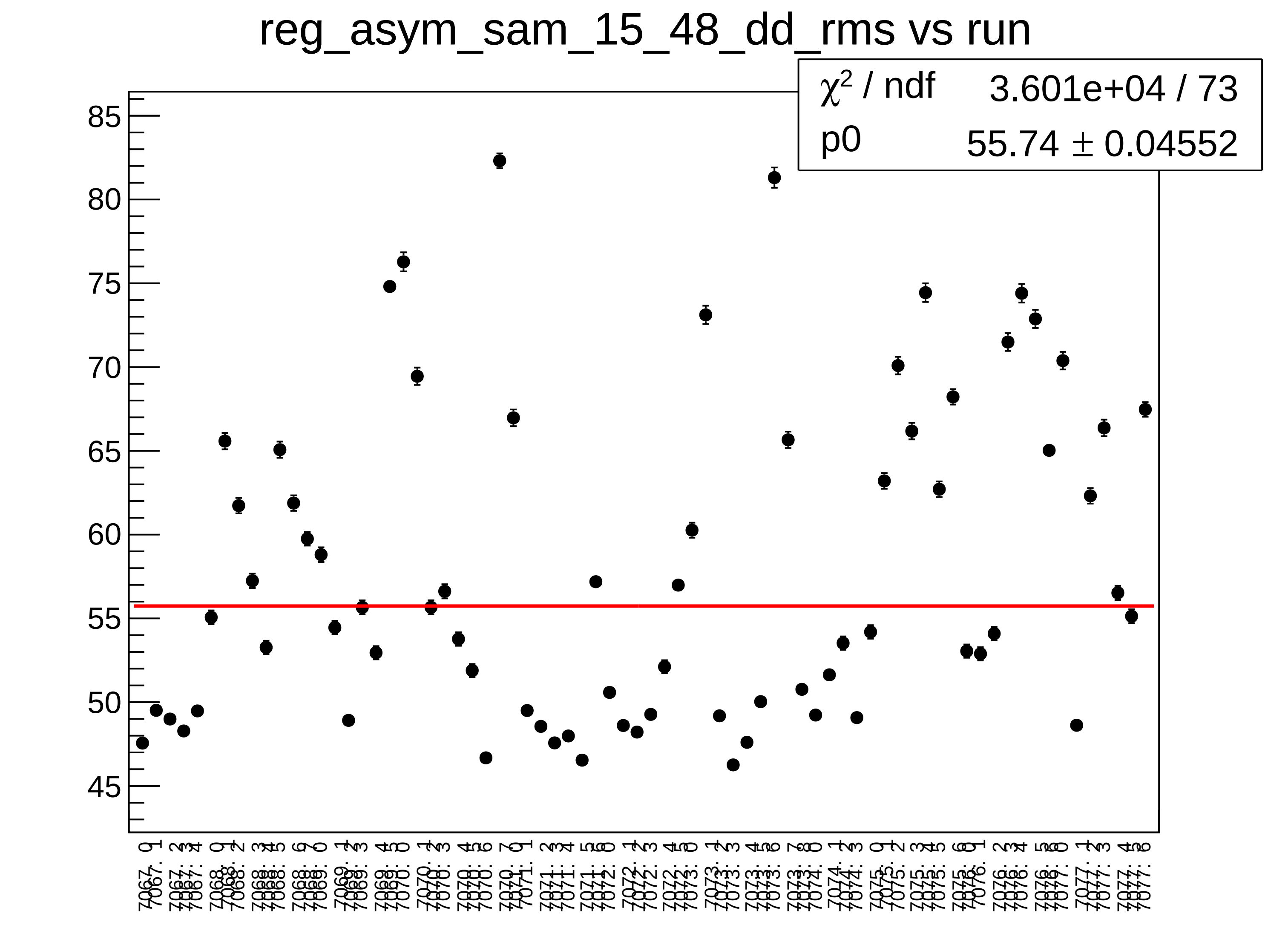


asym_sam_3726_avg_mean vs run
χ² / ndf 98.05 / 73
p0 109.3 ± 674.1
30000
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −132.2
Std Dev 174
pull1D
Entries 74
Mean 0.03067
Std Dev 1.151

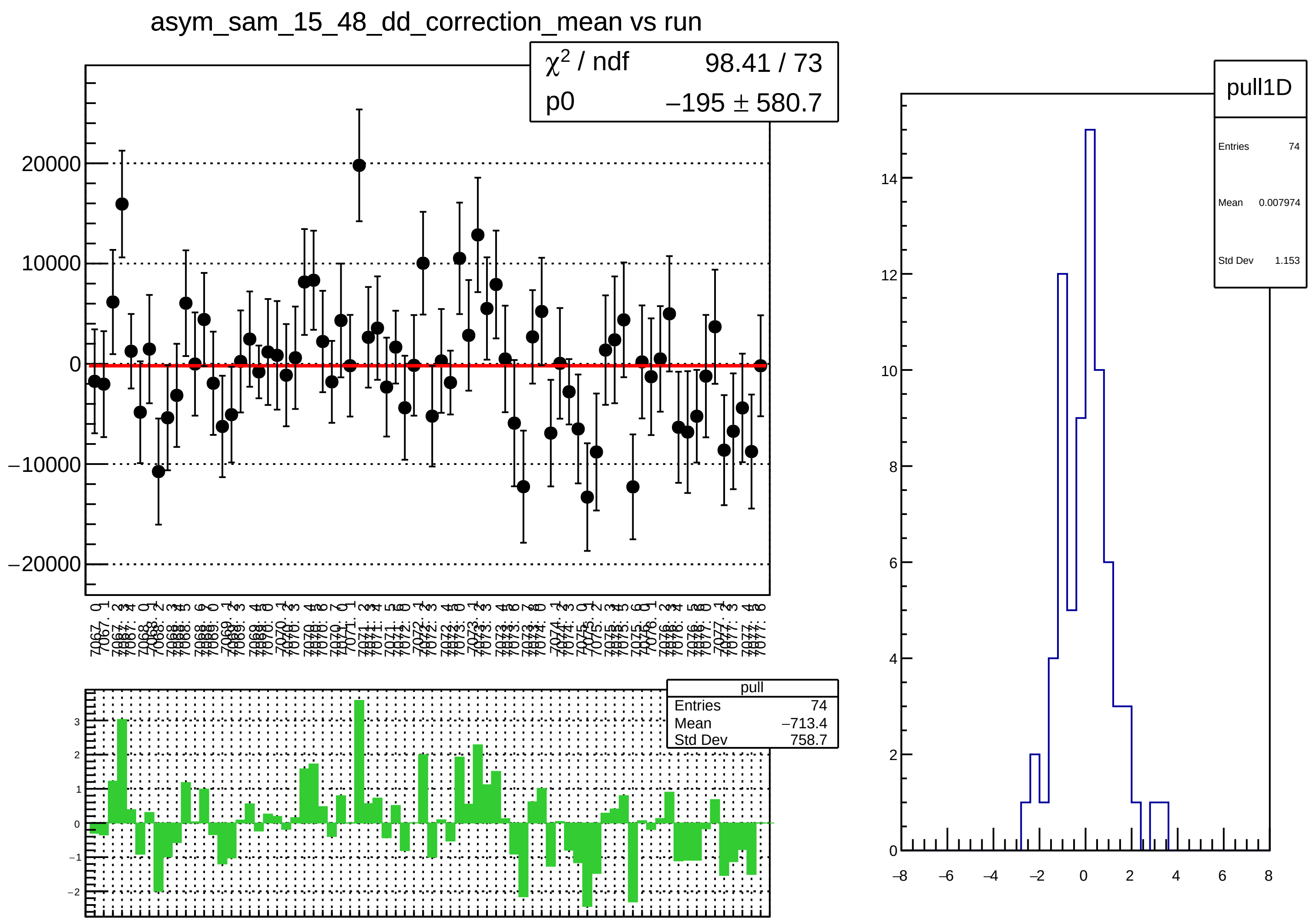


asym_sam_3726_avg_rms vs run
χ2 / ndf 5586 / 73
p0 589.5 ± 0.4767
700
680
660
640
620
600
580
560
540
520

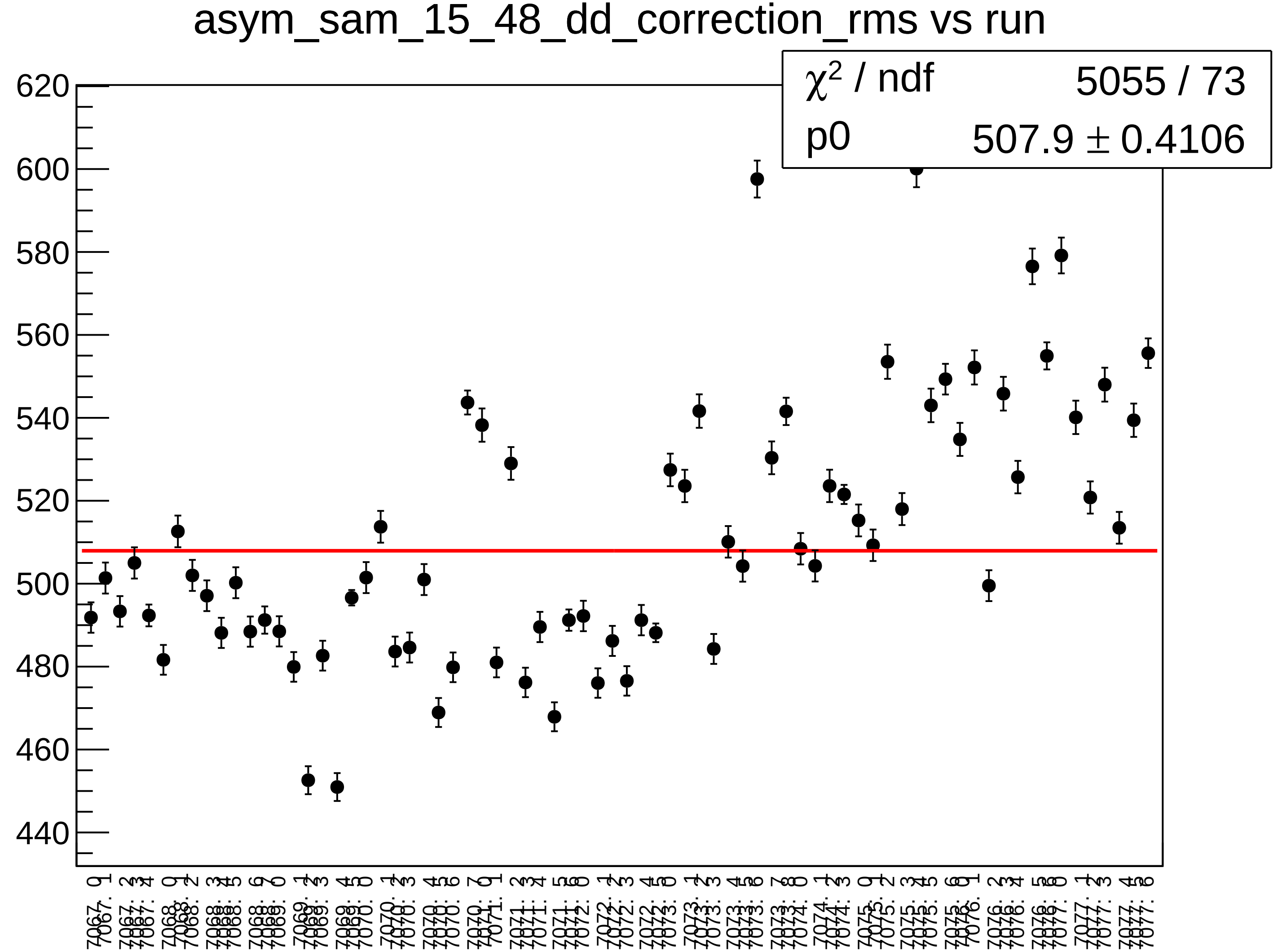

reg_asym_sam_15_48_dd_mean vs run
χ2 / ndf 65.37 / 73
p0 76.52 ± 64.38
pull
Entries 74
Mean −178.6
Std Dev 250.2
pull1D
Entries 74
Mean 0.002516
Std Dev 0.9399

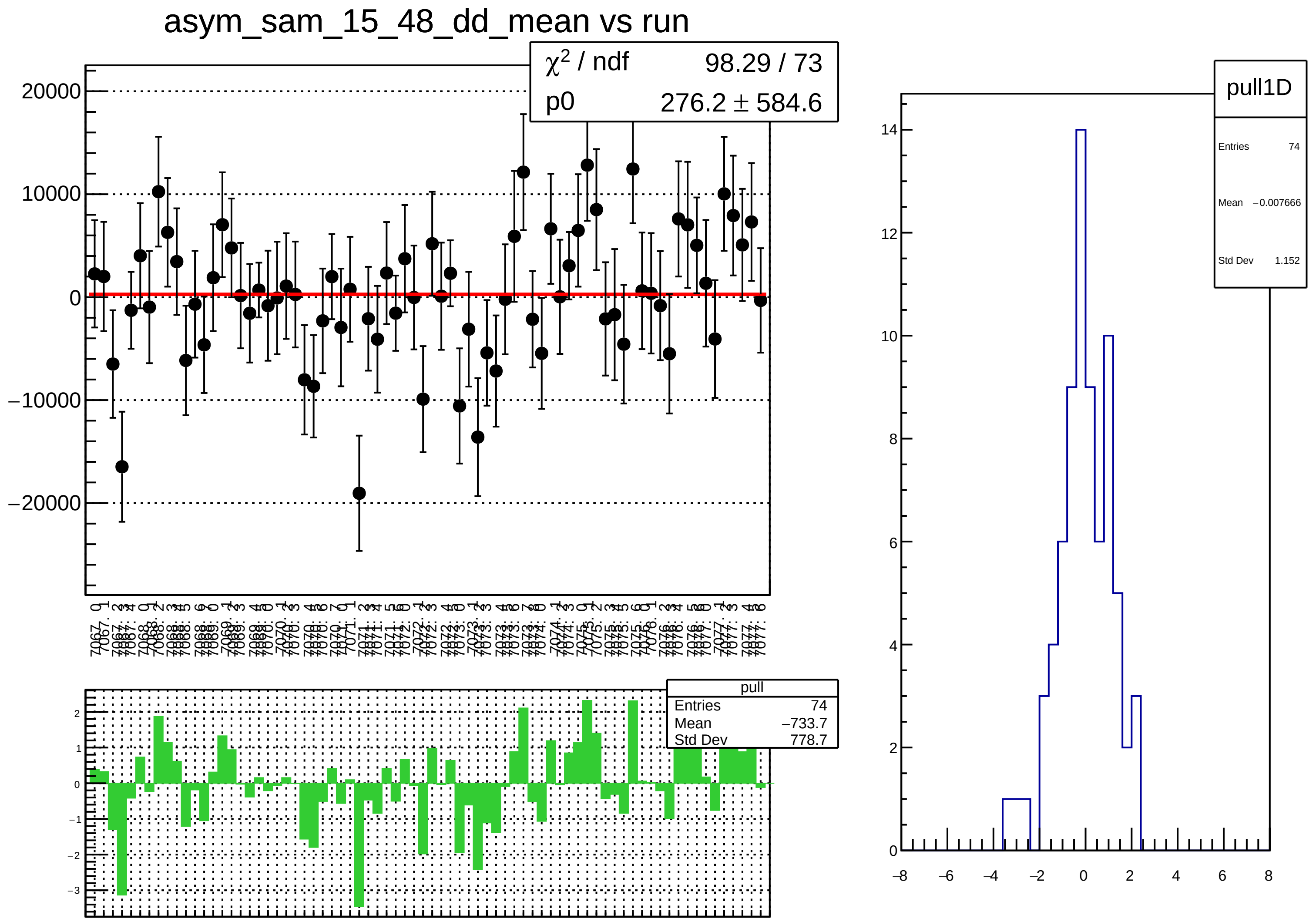


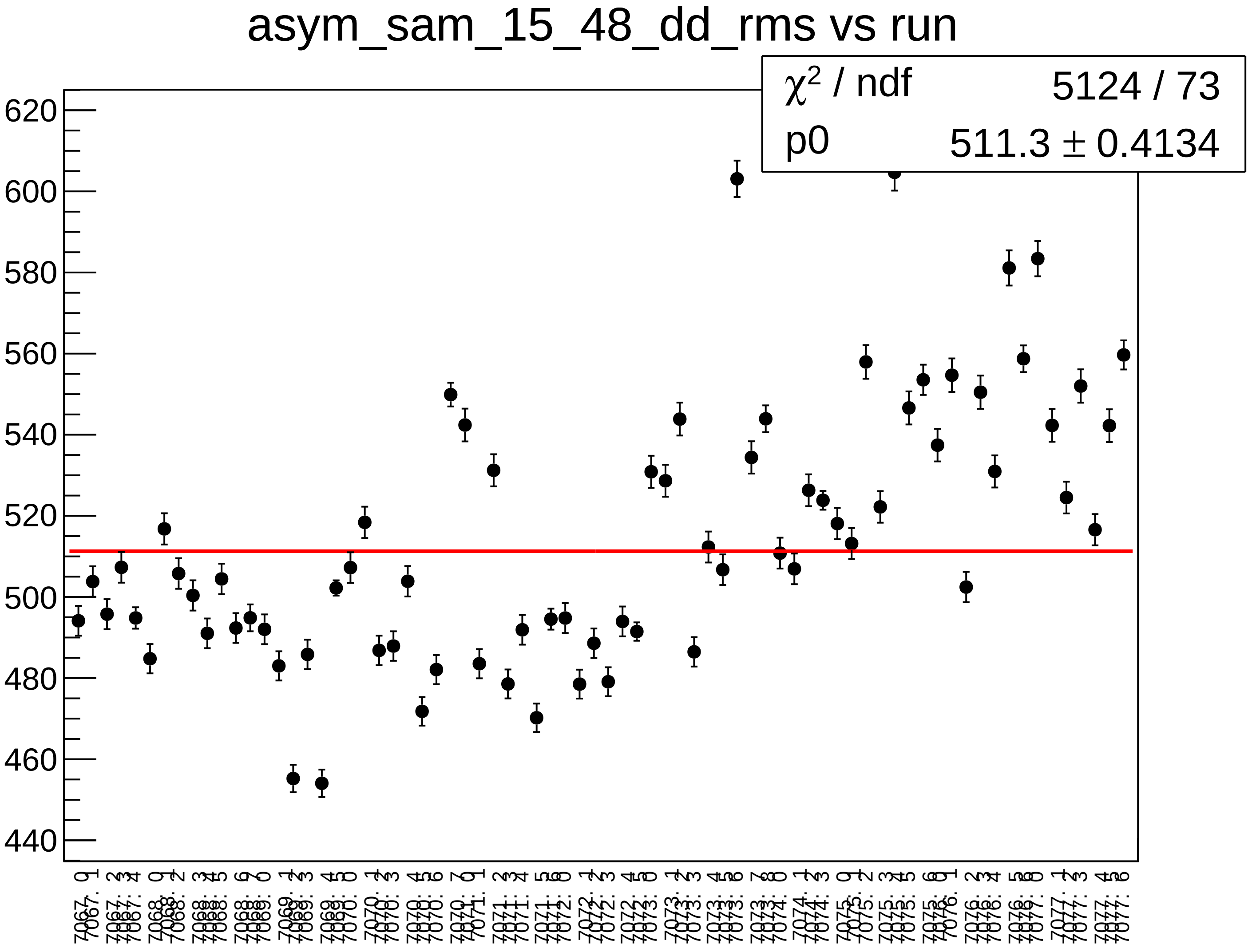
reg_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 3.601e+04 / 73
p0 55.74 ± 0.04552
85
80
75
70
65
60
55
50
45



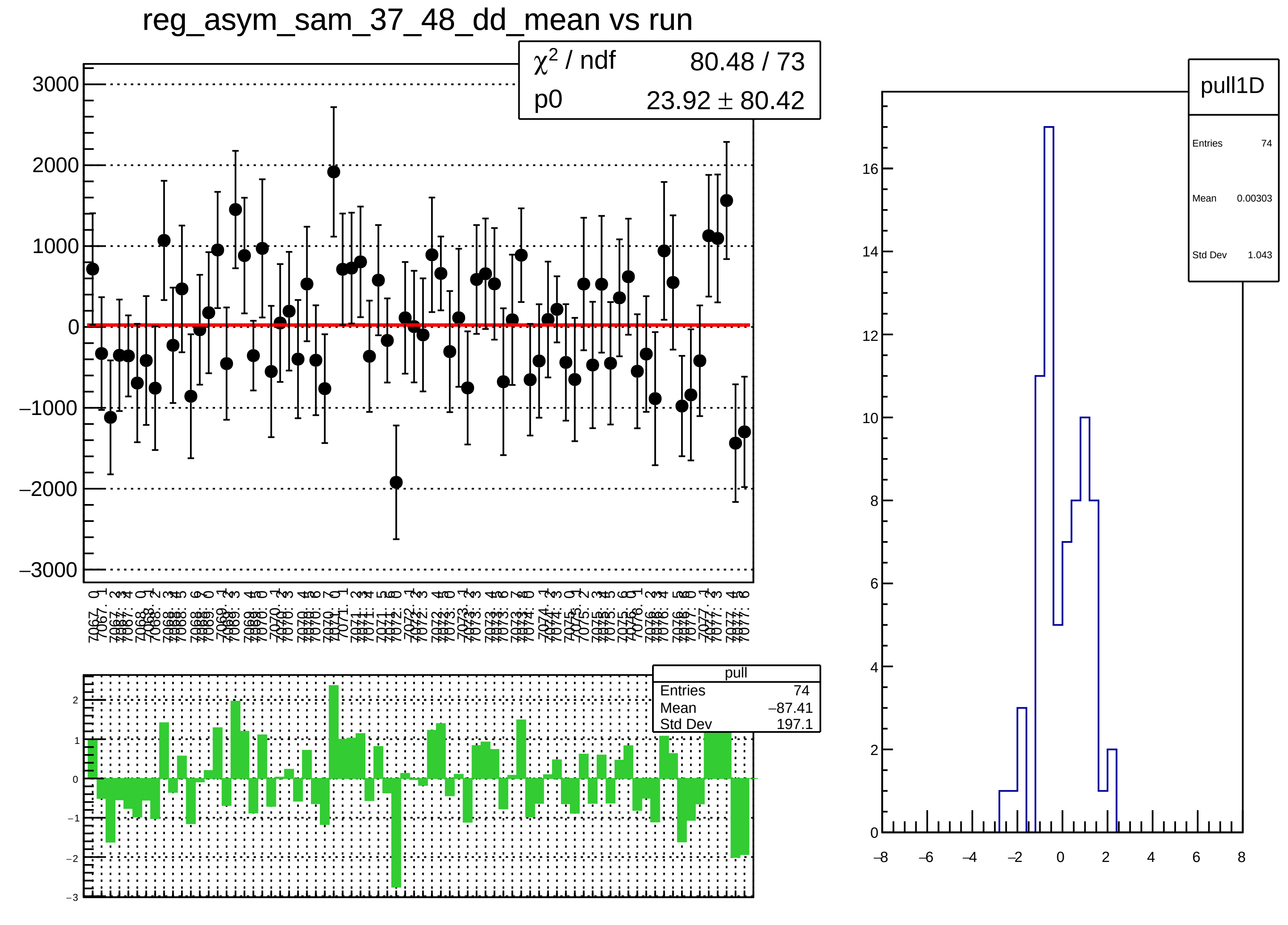
asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 98.41 / 73
p0 −195 ± 580.7
pull
Entries 74
Mean −713.4
Std Dev 758.7
pull1D
Entries 74
Mean 0.007974
Std Dev 1.153


asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 5055 / 73
p0 507.9 ± 0.4106
620
600
580
560
540
520
500
480
460
440

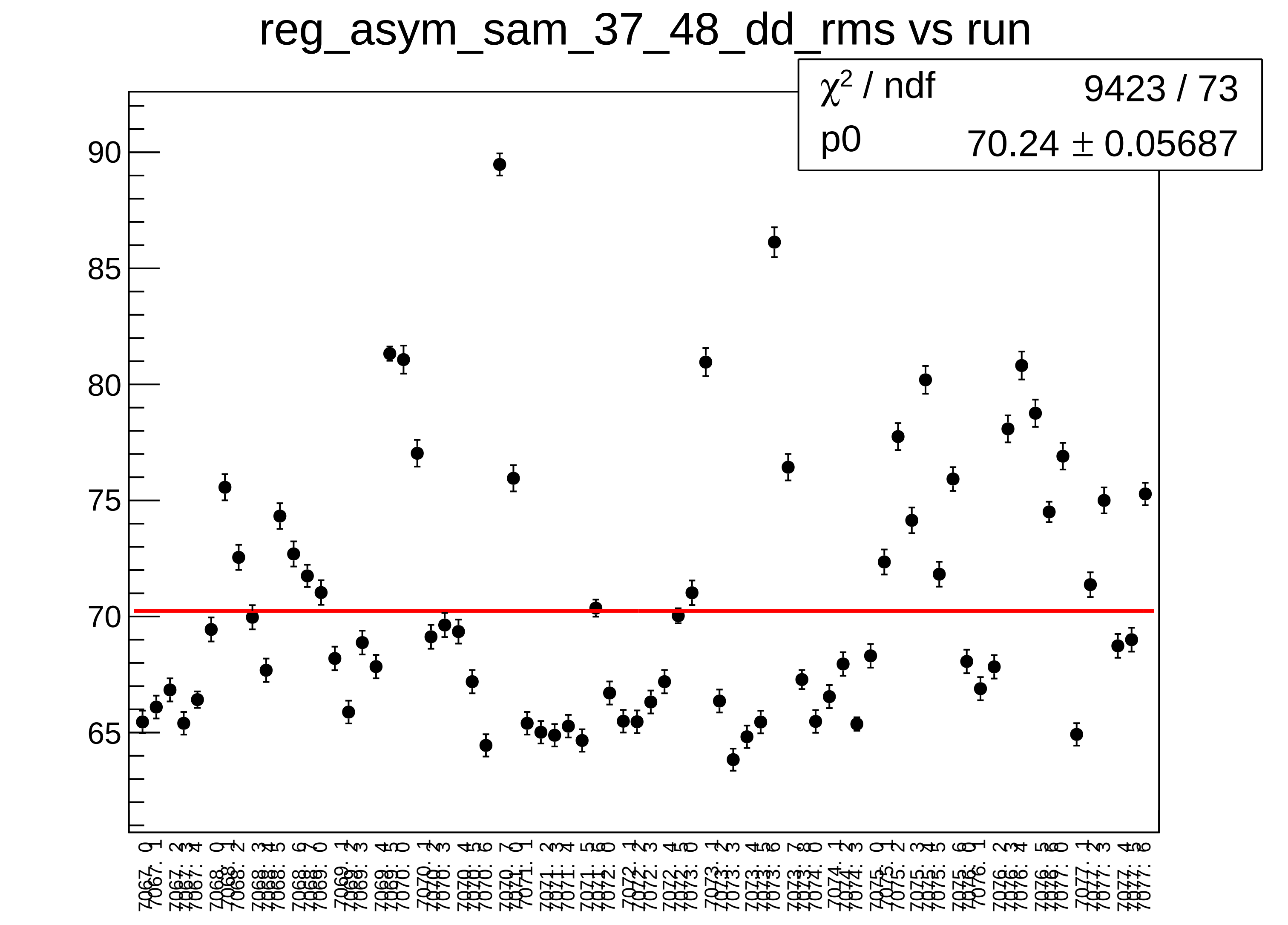

asym_sam_15_48_dd_mean vs run
χ^2 / ndf 98.29 / 73
p0 276.2 ± 584.6
20000
10000
0
−10000
−20000
pull
Entries 74
Mean −733.7
Std Dev 778.7
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.007666
Std Dev 1.152
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



asym_sam_15_48_dd_rms vs run
χ2 / ndf 5124 / 73
p0 511.3 ± 0.4134
620
600
580
560
540
520
500
480
460
440

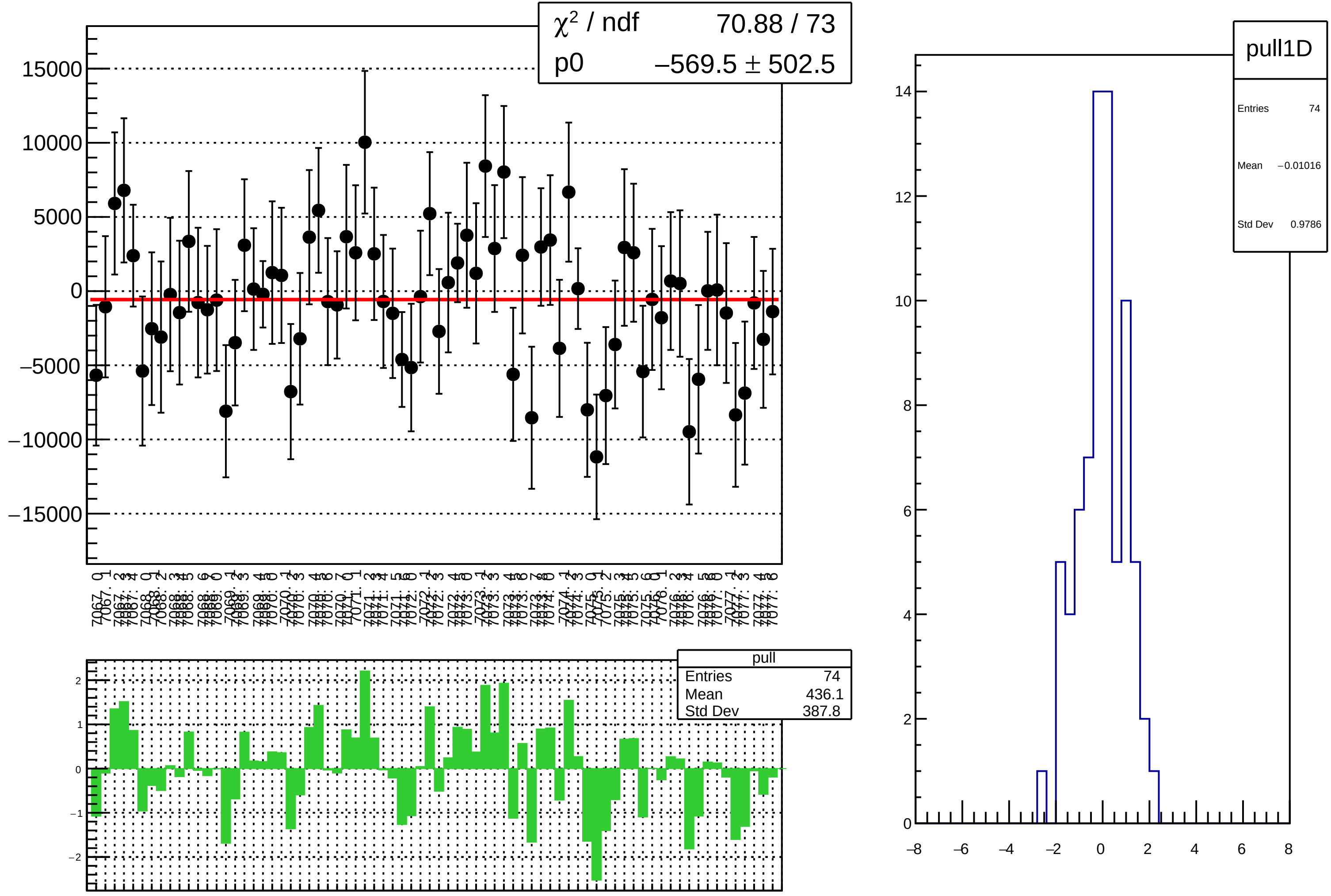


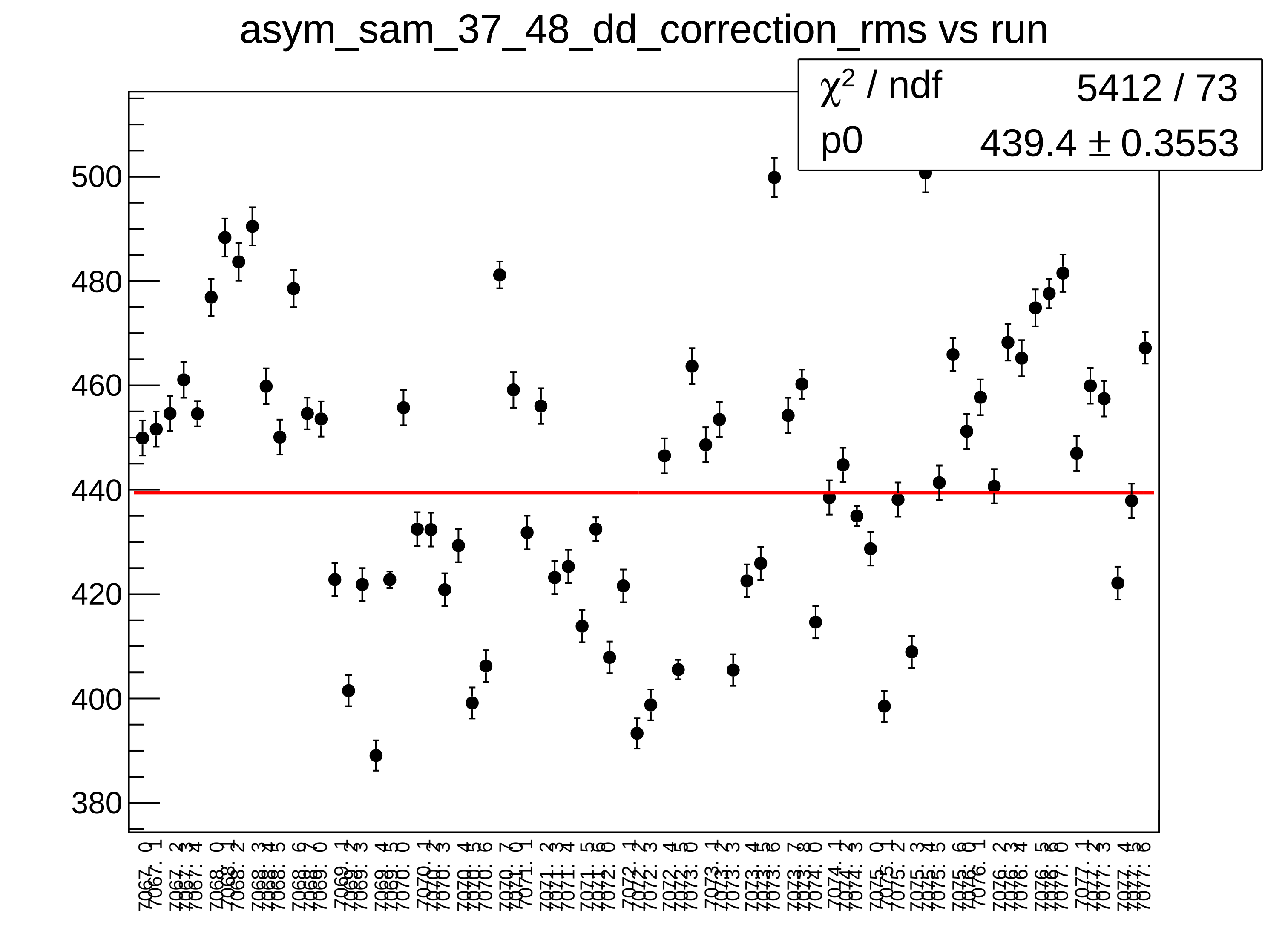
reg_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 80.48 / 73
p0 23.92 ± 80.42
pull
Entries 74
Mean −87.41
Std Dev 197.1
pull1D
Entries 74
Mean 0.00303
Std Dev 1.043



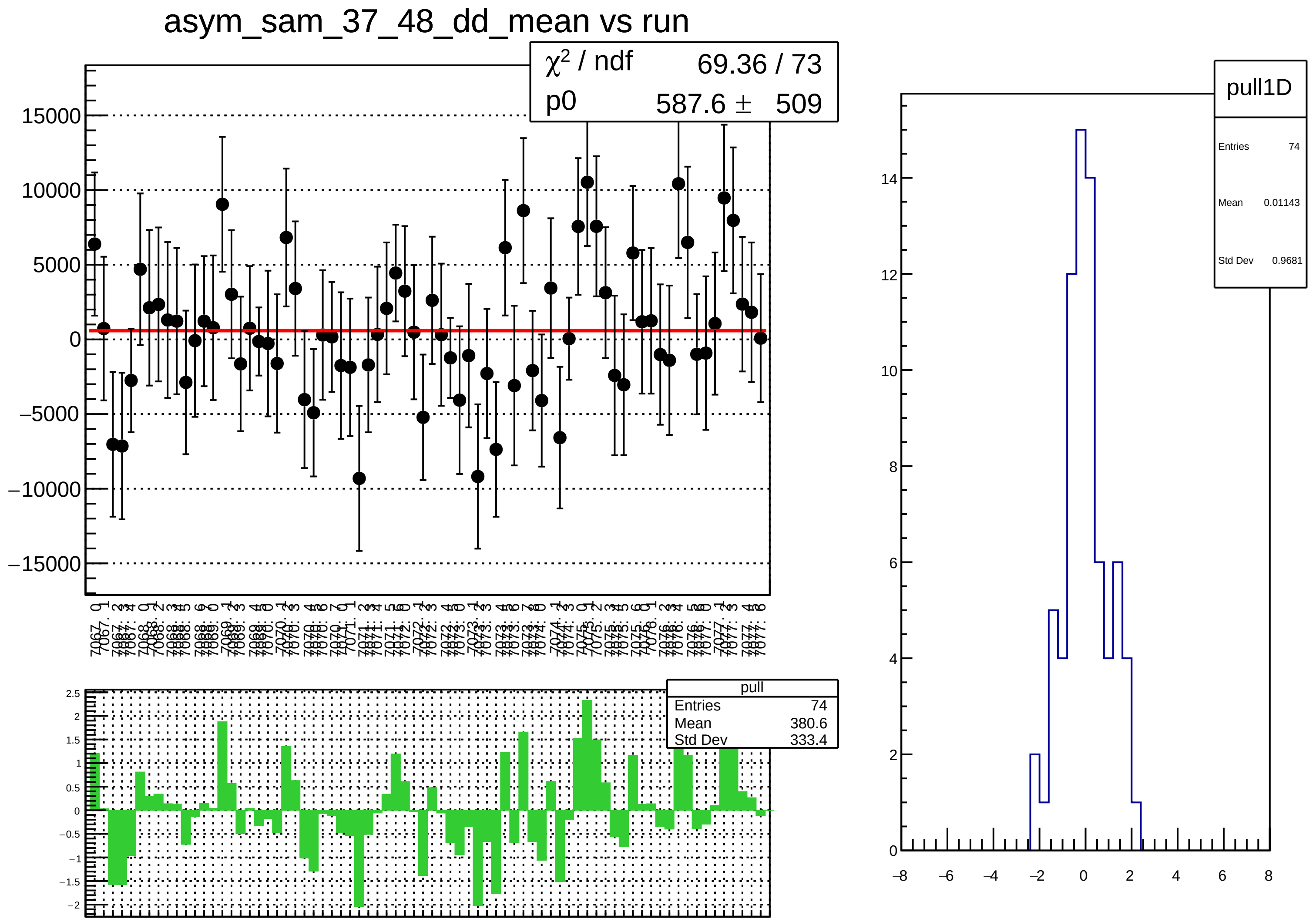
reg_asym_sam_37_48_dd_rms vs run
χ2 / ndf 9423 / 73
p0 70.24 ± 0.05687
90
85
80
75
70
65

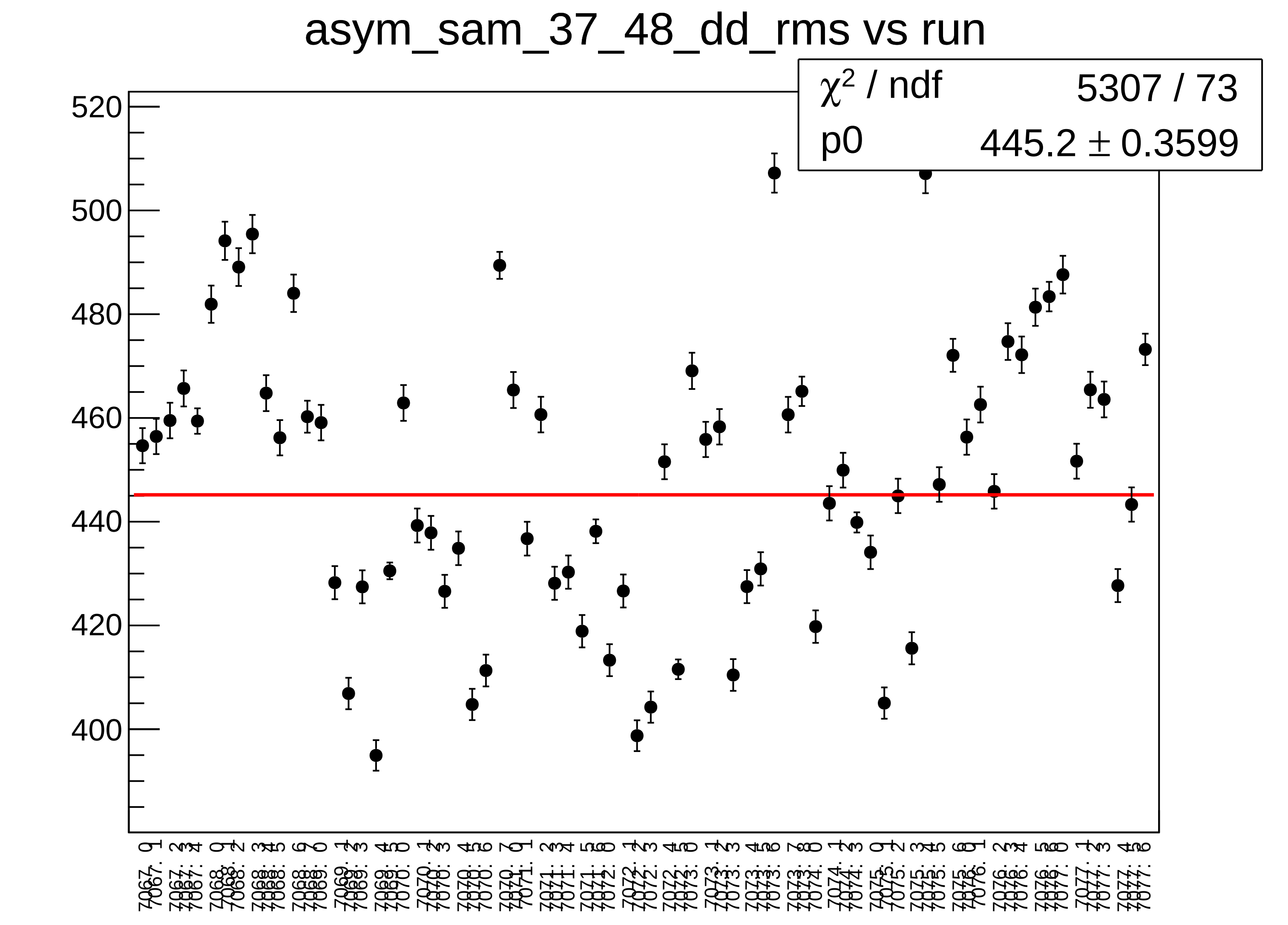
asym_sam_37_48_dd_correction_mean vs run



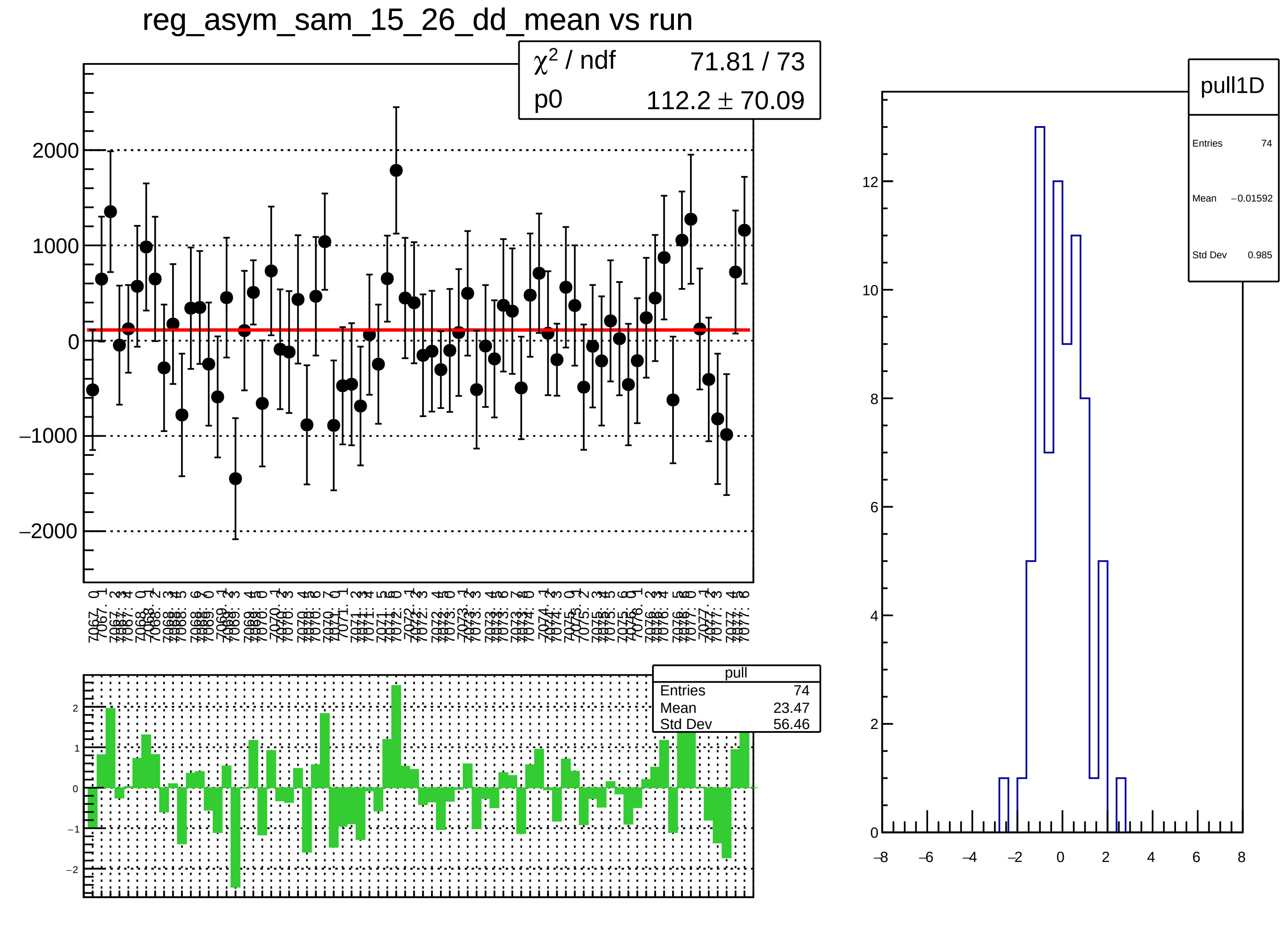


asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 5412 / 73
p0 439.4 ± 0.3553
500
480
460
440
420
400
380

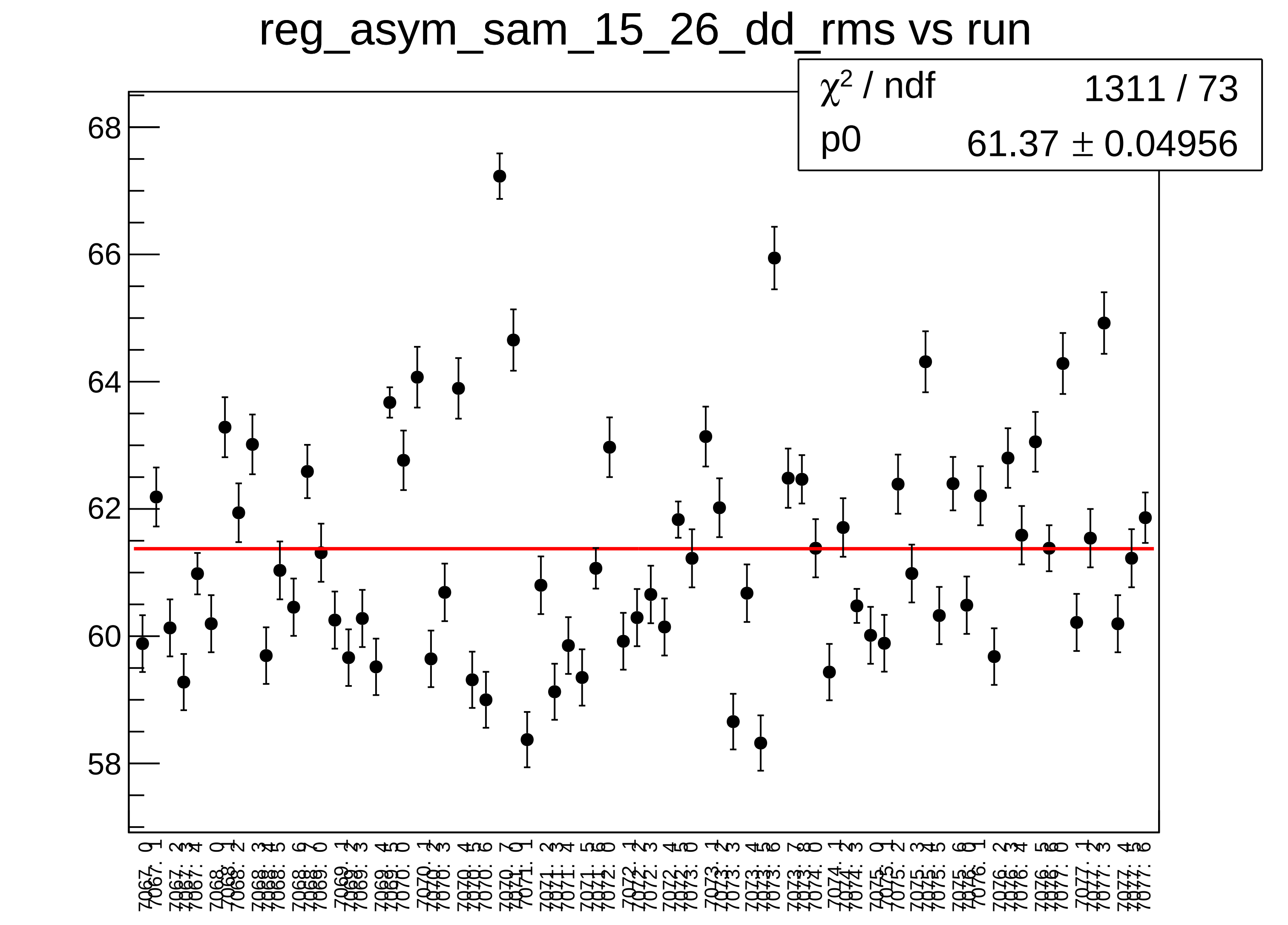

asym_sam_37_48_dd_mean vs run
χ^2 / ndf 69.36 / 73
p0 587.6 ± 509
pull
Entries 74
Mean 380.6
Std Dev 333.4
pull1D
Entries 74
Mean 0.01143
Std Dev 0.9681



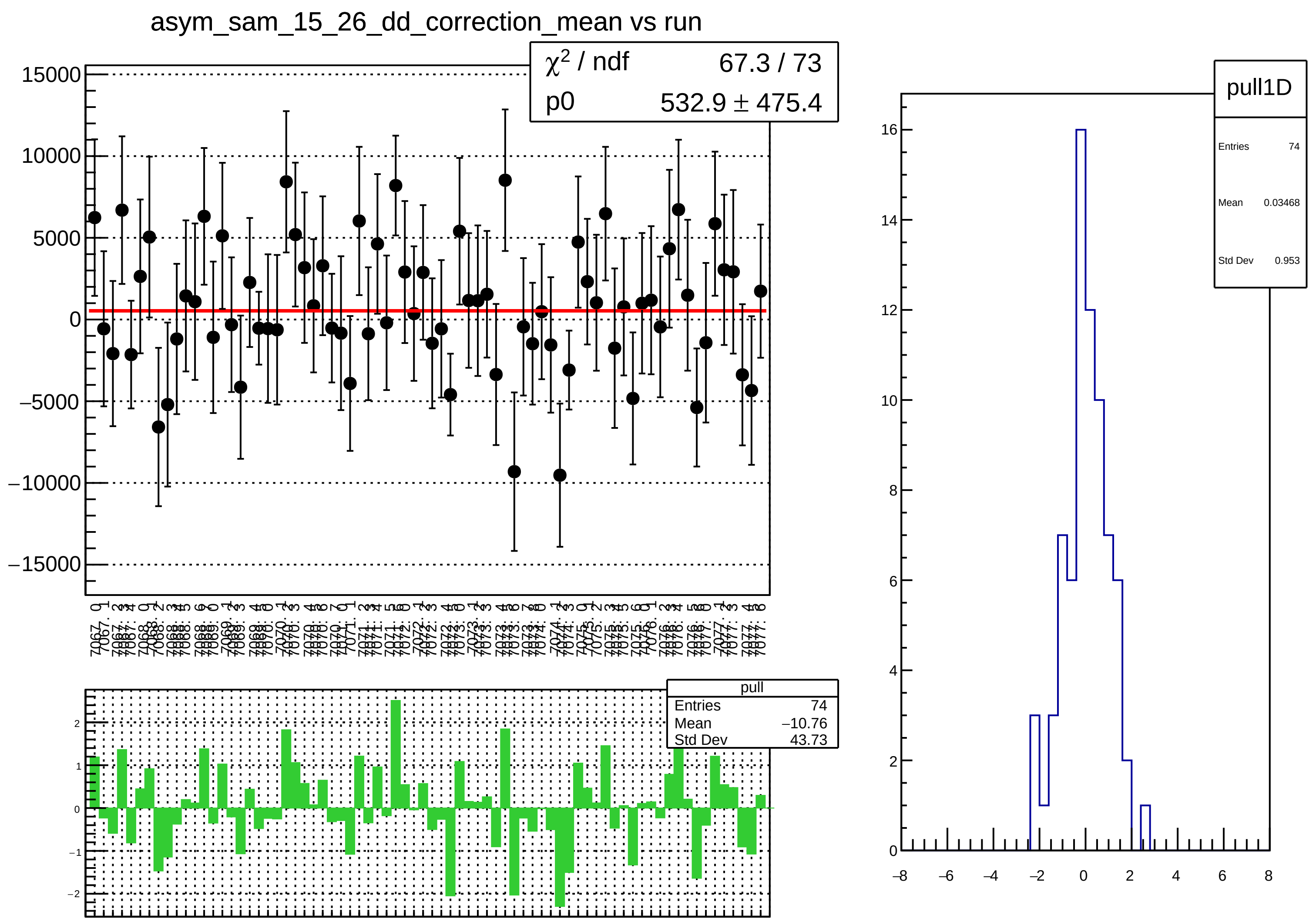
asym_sam_37_48_dd_rms vs run
χ^2 / ndf 5307 / 73
p0 445.2 ± 0.3599
520
500
480
460
440
420
400



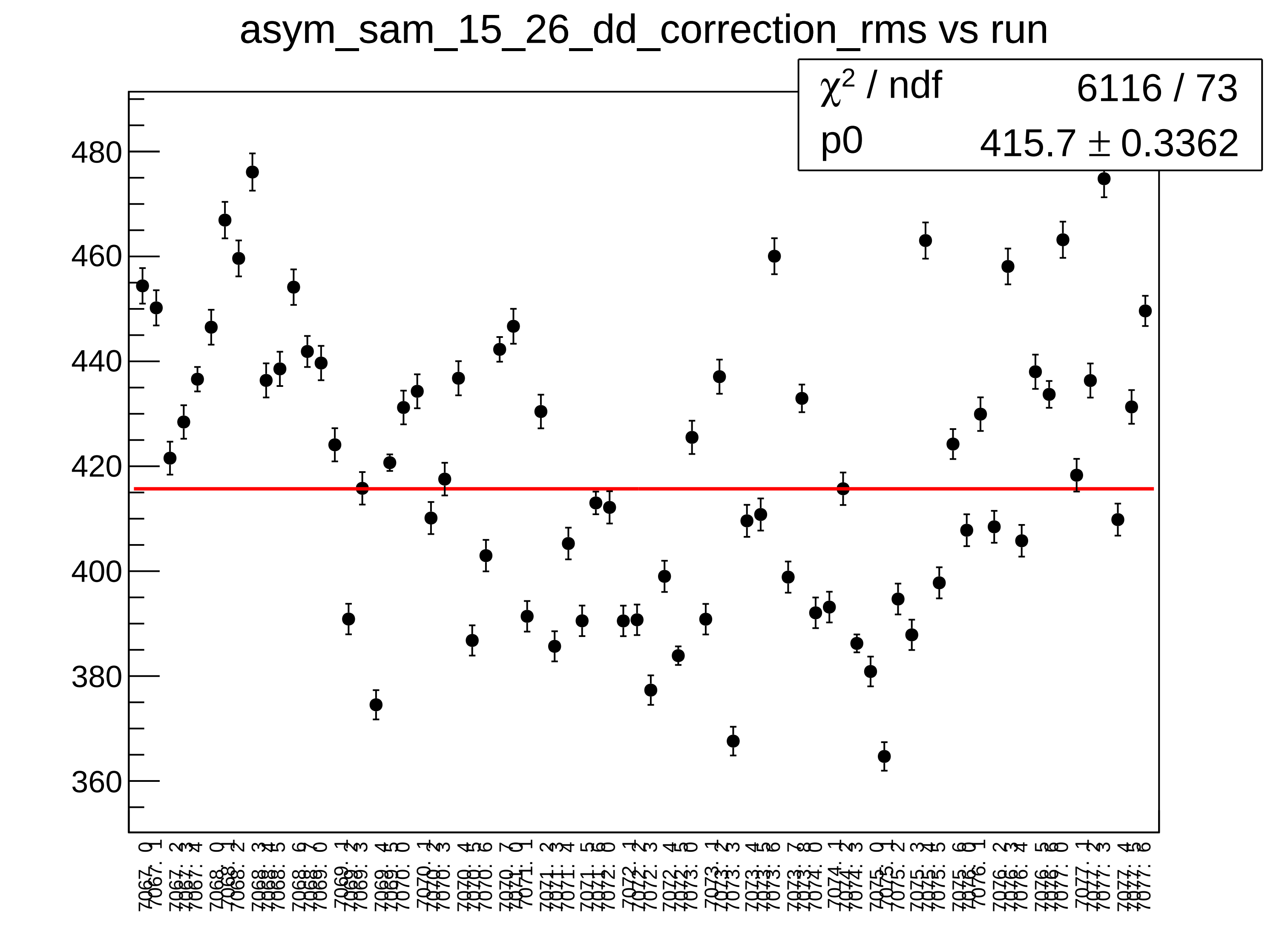
reg_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 71.81 / 73
p0 112.2 ± 70.09
pull
Entries 74
Mean 23.47
Std Dev 56.46
pull1D
Entries 74
Mean −0.01592
Std Dev 0.985



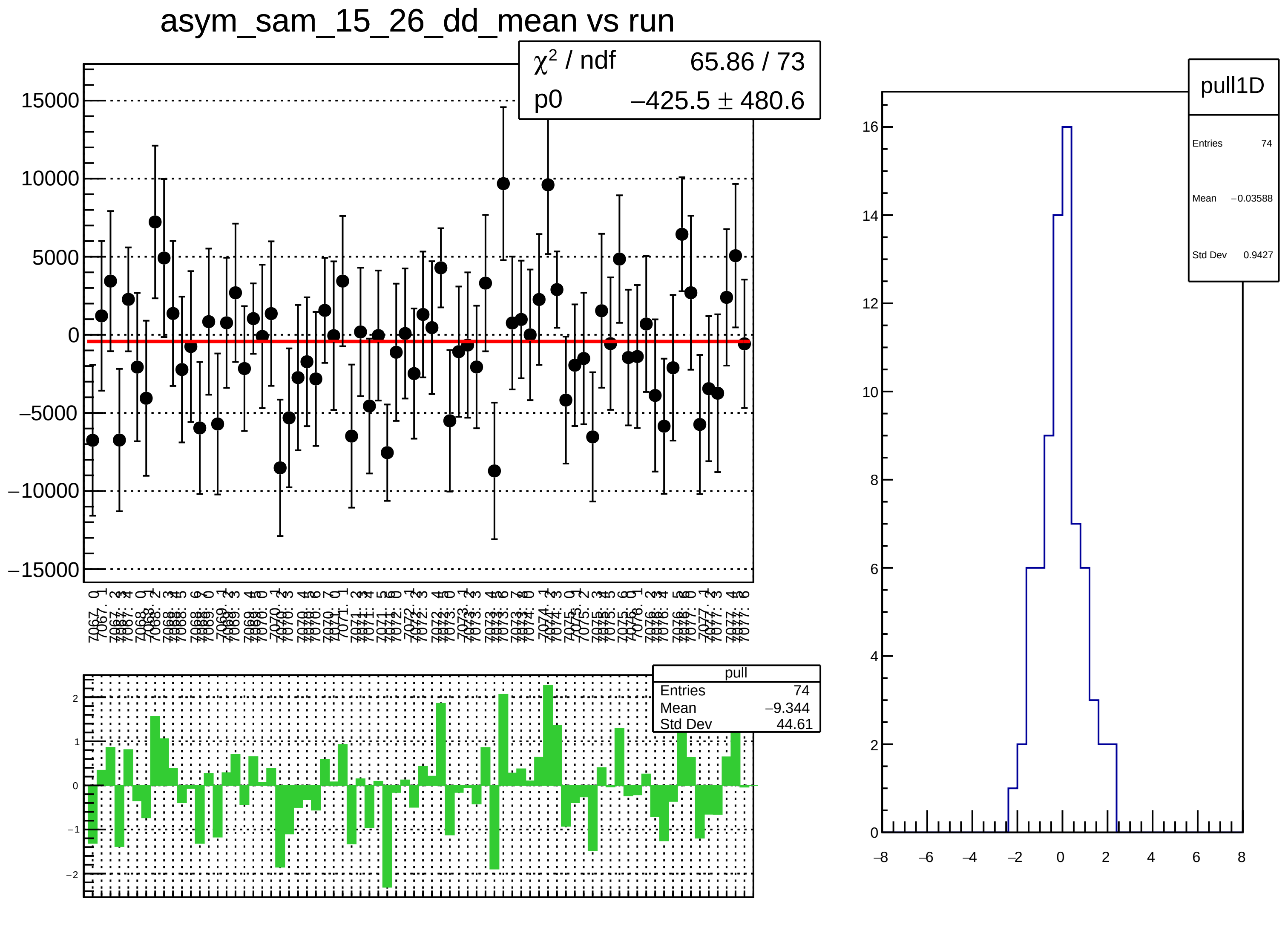
reg_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1311 / 73
p0 61.37 ± 0.04956
68
66
64
62
60
58

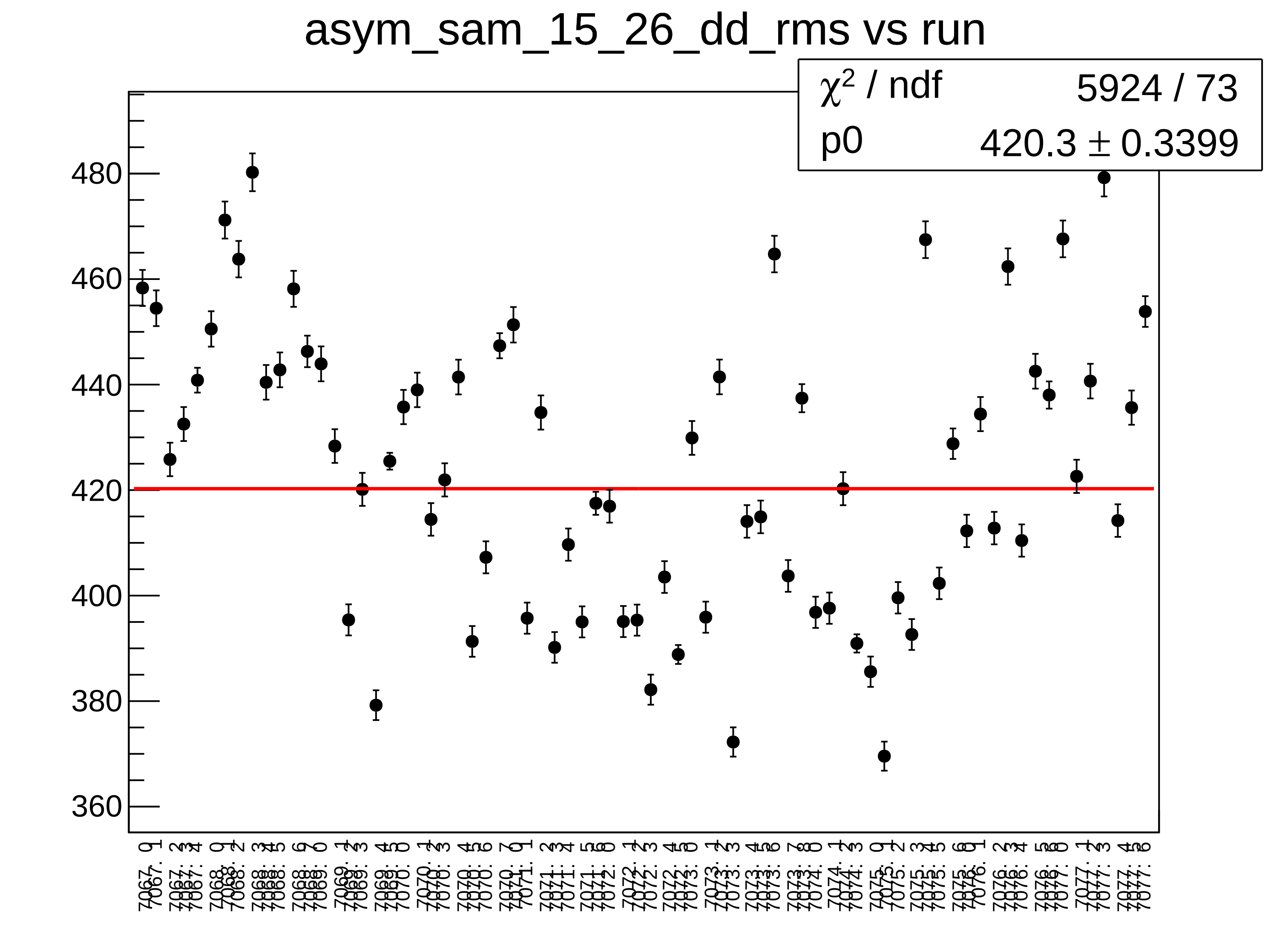


asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 67.3 / 73
p0 532.9 ± 475.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −10.76
Std Dev 43.73
pull1D
Entries 74
Mean 0.03468
Std Dev 0.953

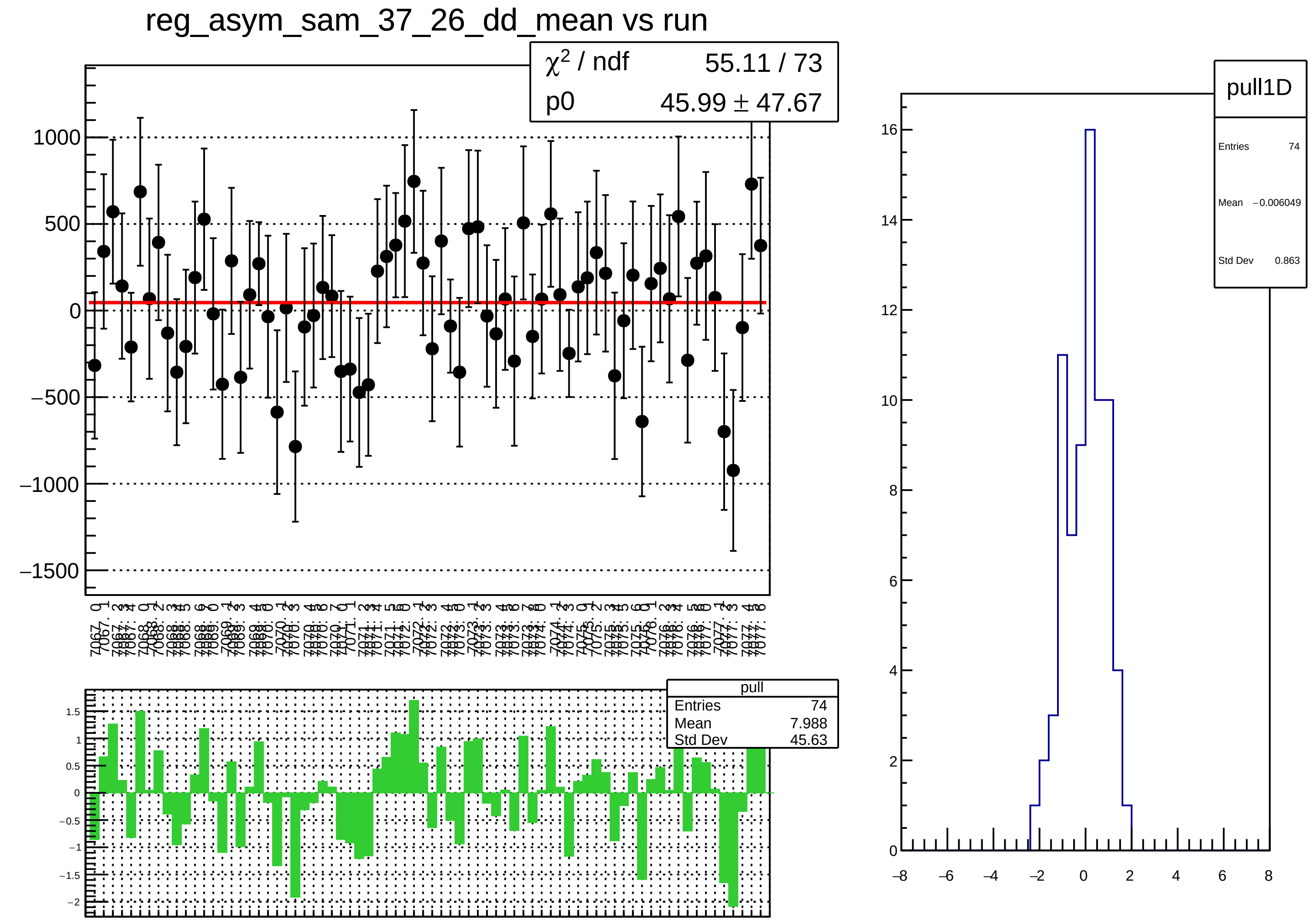


asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 6116 / 73
p0 415.7 ± 0.3362
480
460
440
420
400
380
360

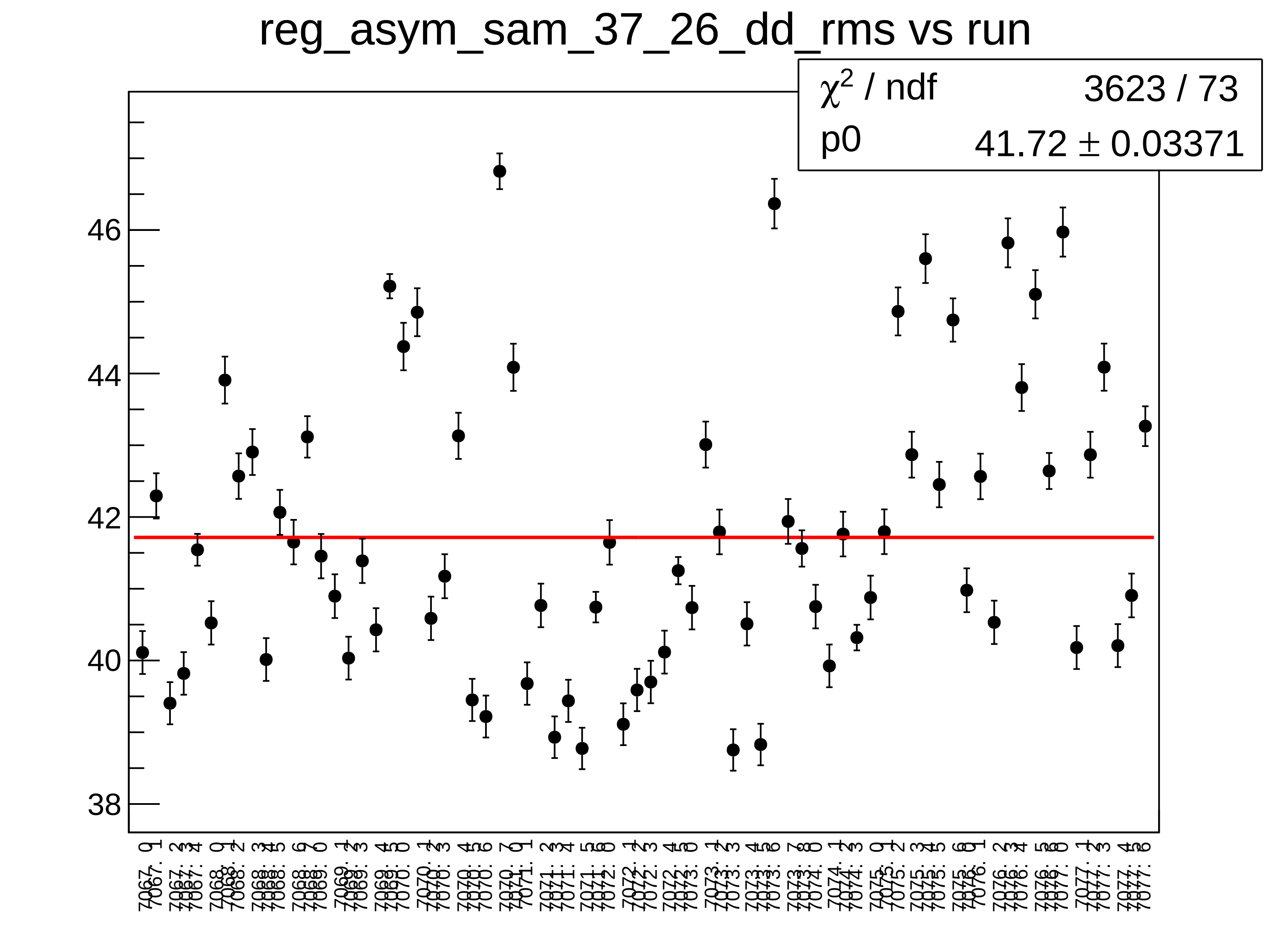

asym_sam_15_26_dd_mean vs run
χ2 / ndf 65.86 / 73
p0 −425.5 ± 480.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 74
Mean −9.344
Std Dev 44.61
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.03588
Std Dev 0.9427
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



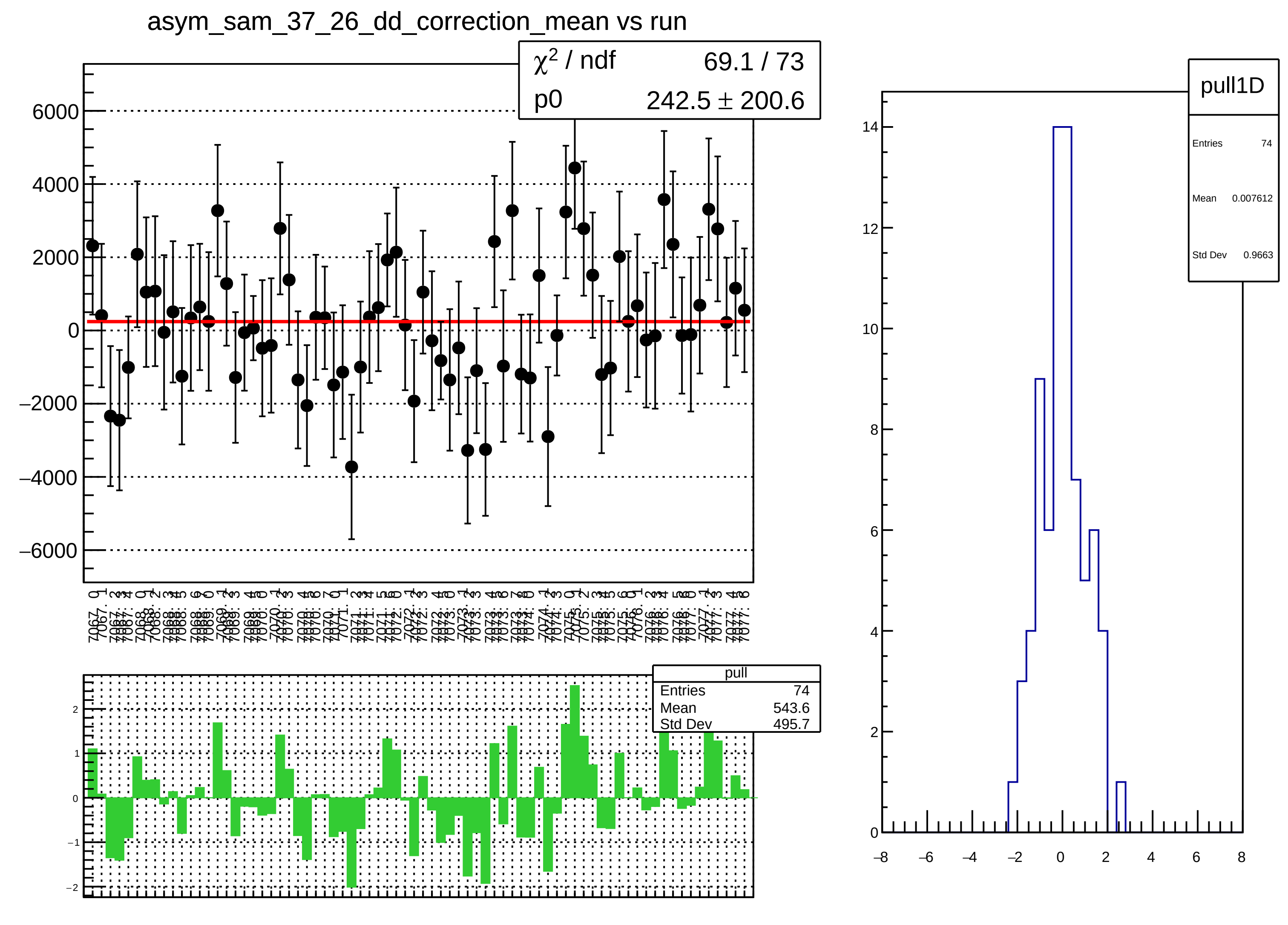
asym_sam_15_26_dd_rms vs run
χ2 / ndf 5924 / 73
p0 420.3 ± 0.3399
480
460
440
420
400
380
360



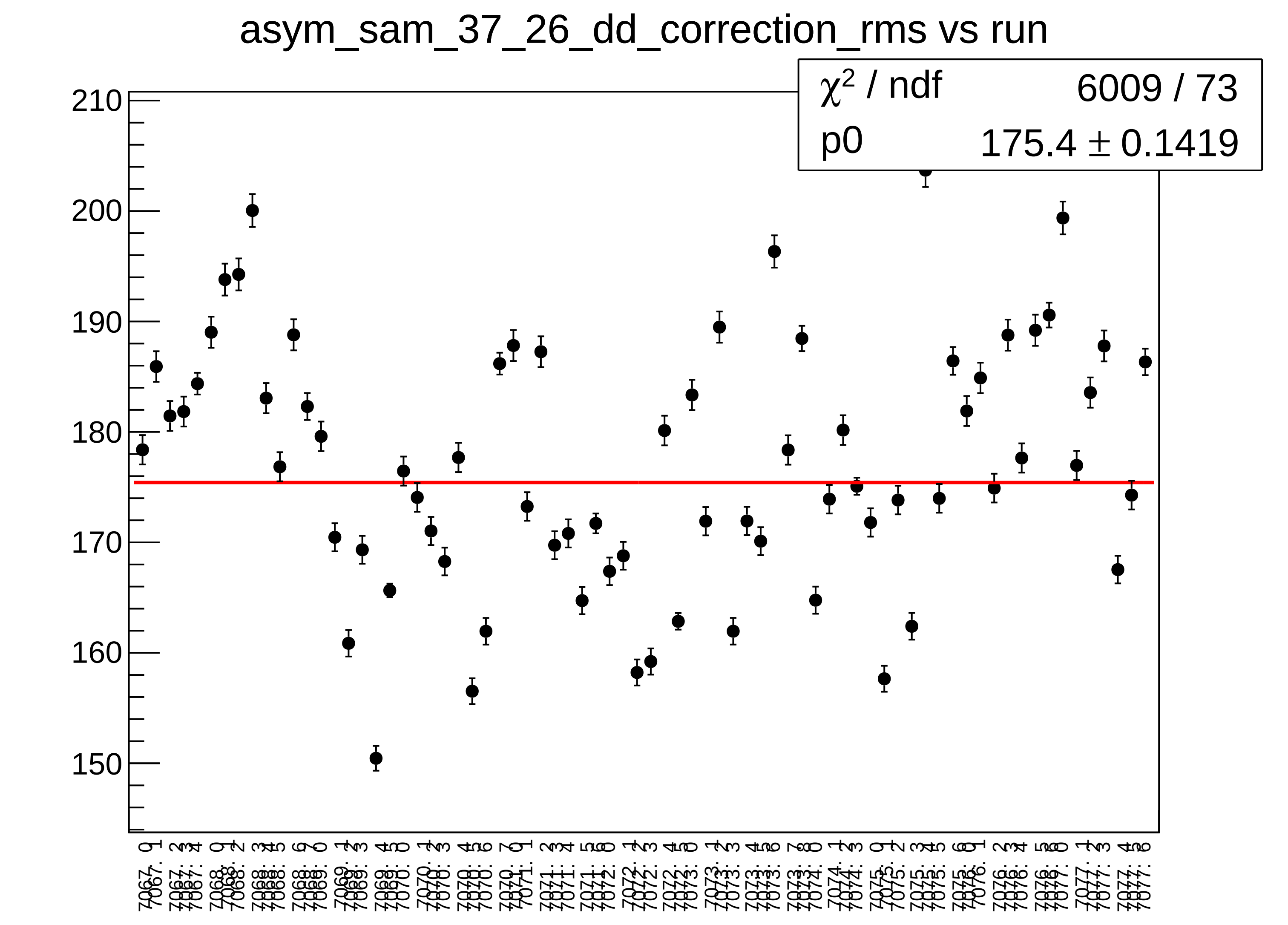
reg_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 55.11 / 73
p0 45.99 ± 47.67
pull
Entries 74
Mean 7.988
Std Dev 45.63
pull1D
Entries 74
Mean −0.006049
Std Dev 0.863



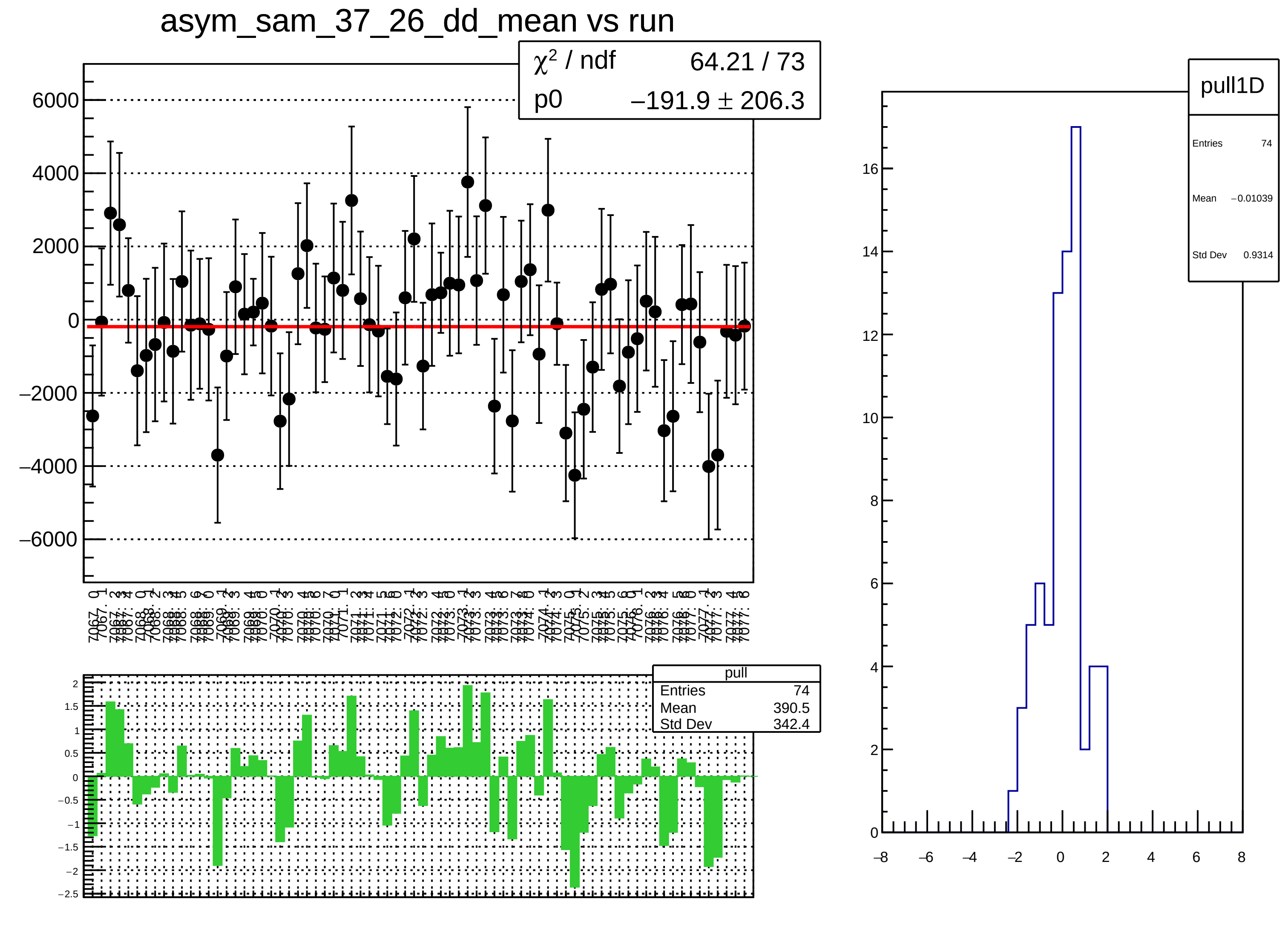
reg_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 3623 / 73
p0 41.72 ± 0.03371
46
44
42
40
38



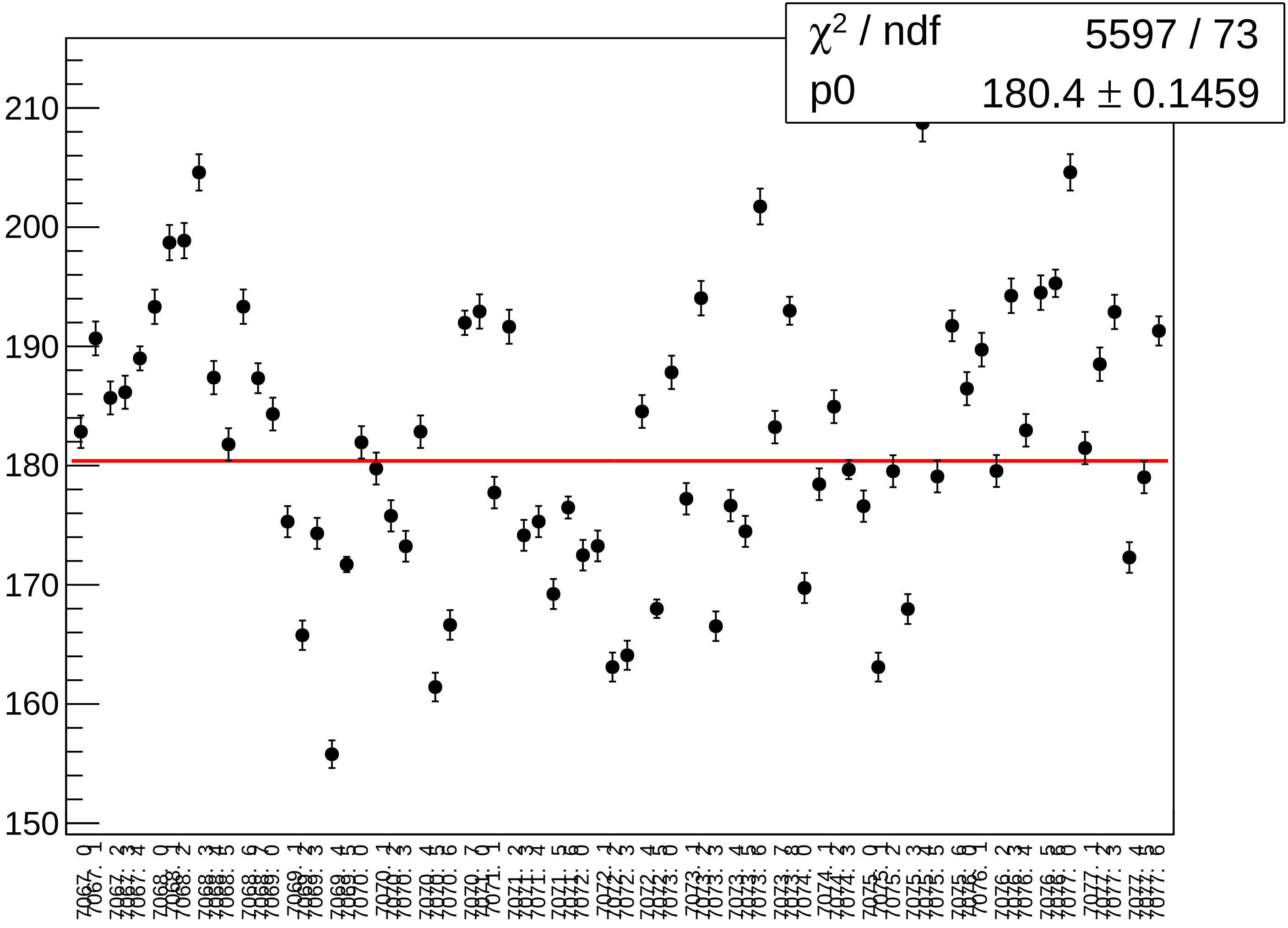
asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 69.1 / 73
p0 242.5 ± 200.6
pull
Entries 74
Mean 543.6
Std Dev 495.7
pull1D
Entries 74
Mean 0.007612
Std Dev 0.9663



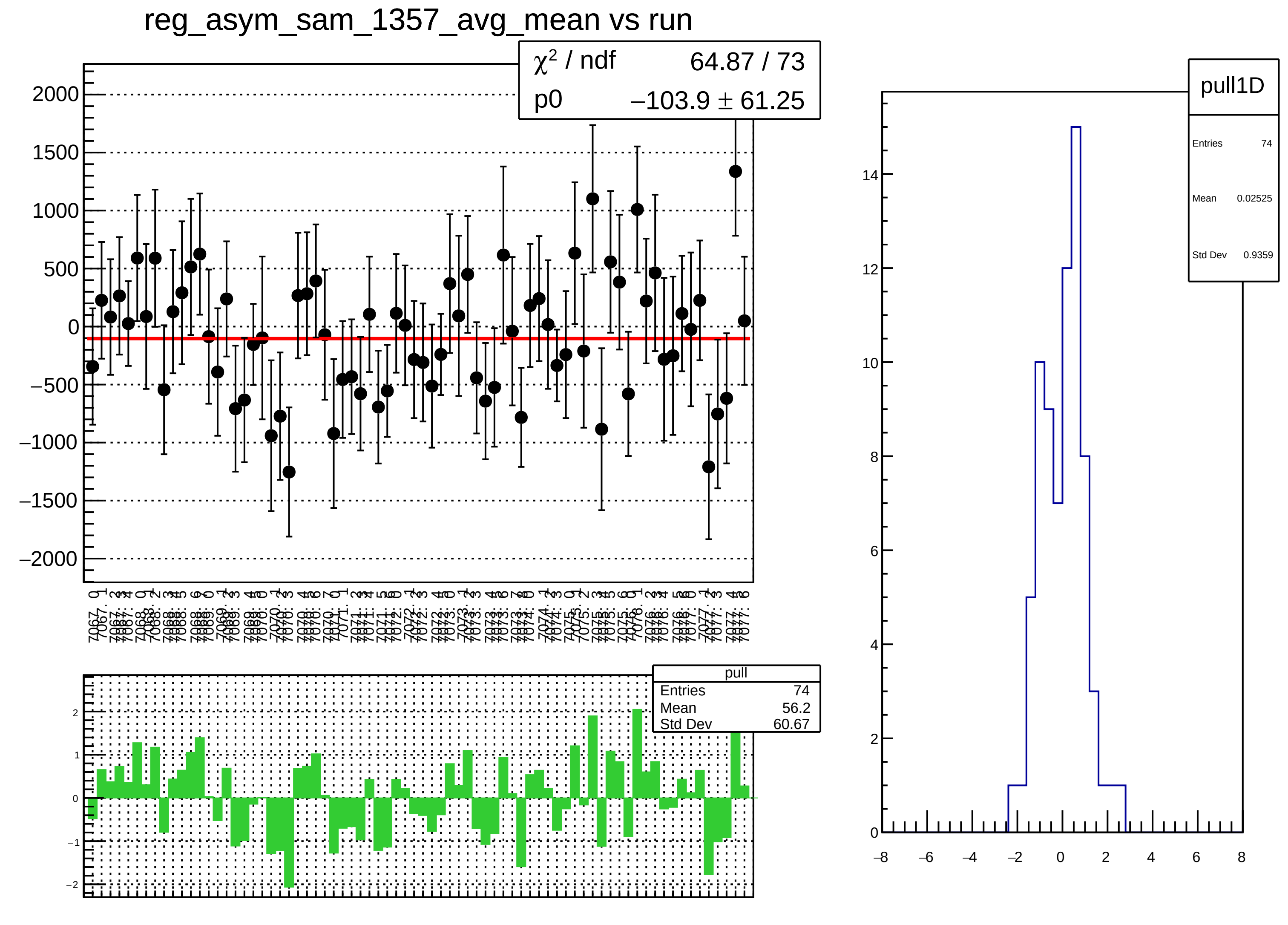
asym_sam_37_26_dd_correction_rms vs run
χ2 / ndf 6009 / 73
p0 175.4 ± 0.1419
210
200
190
180
170
160
150



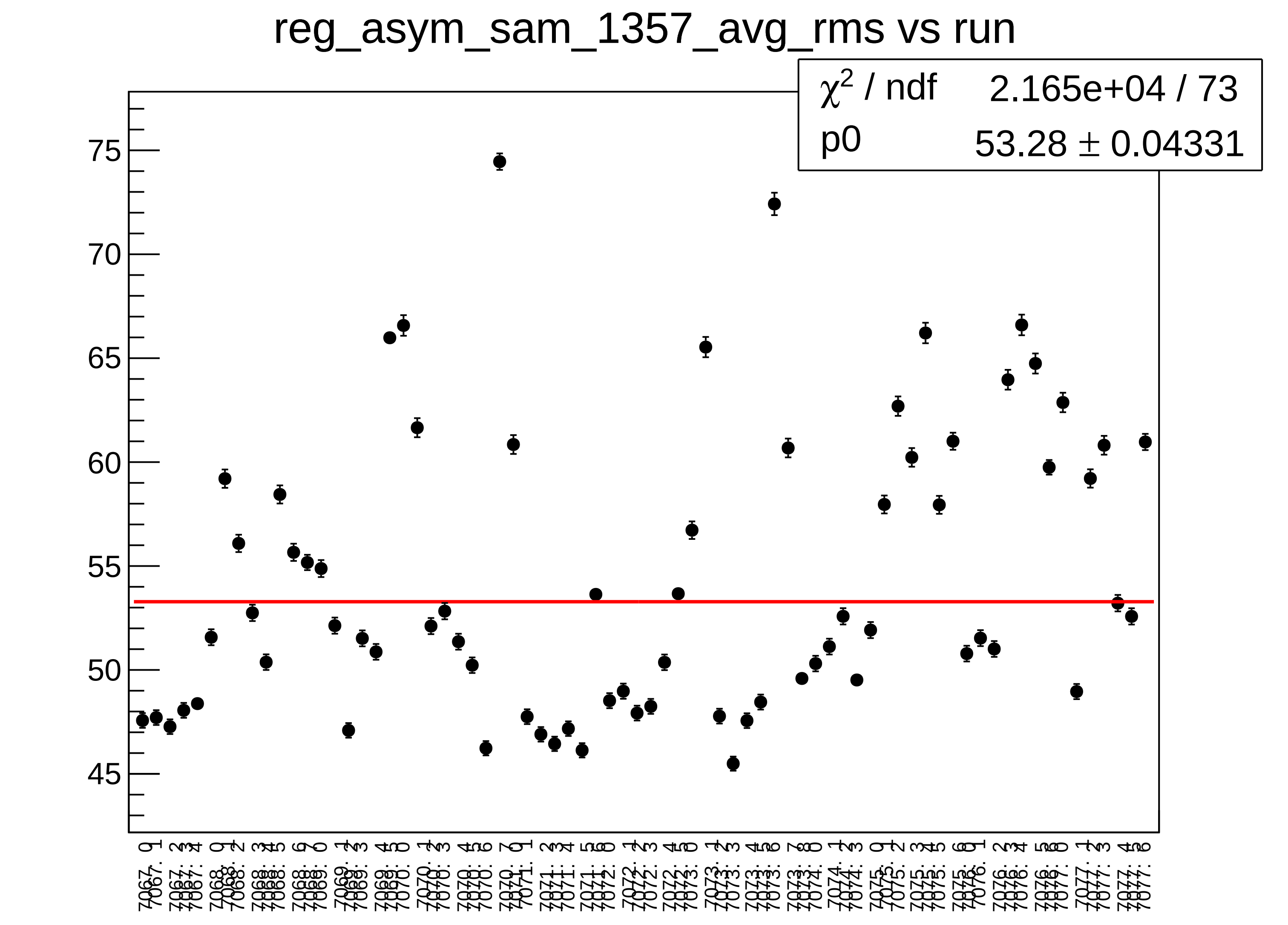
asym_sam_37_26_dd_mean vs run
χ^2 / ndf 64.21 / 73
p0 −191.9 ± 206.3
pull
Entries 74
Mean 390.5
Std Dev 342.4
pull1D
Entries 74
Mean −0.01039
Std Dev 0.9314



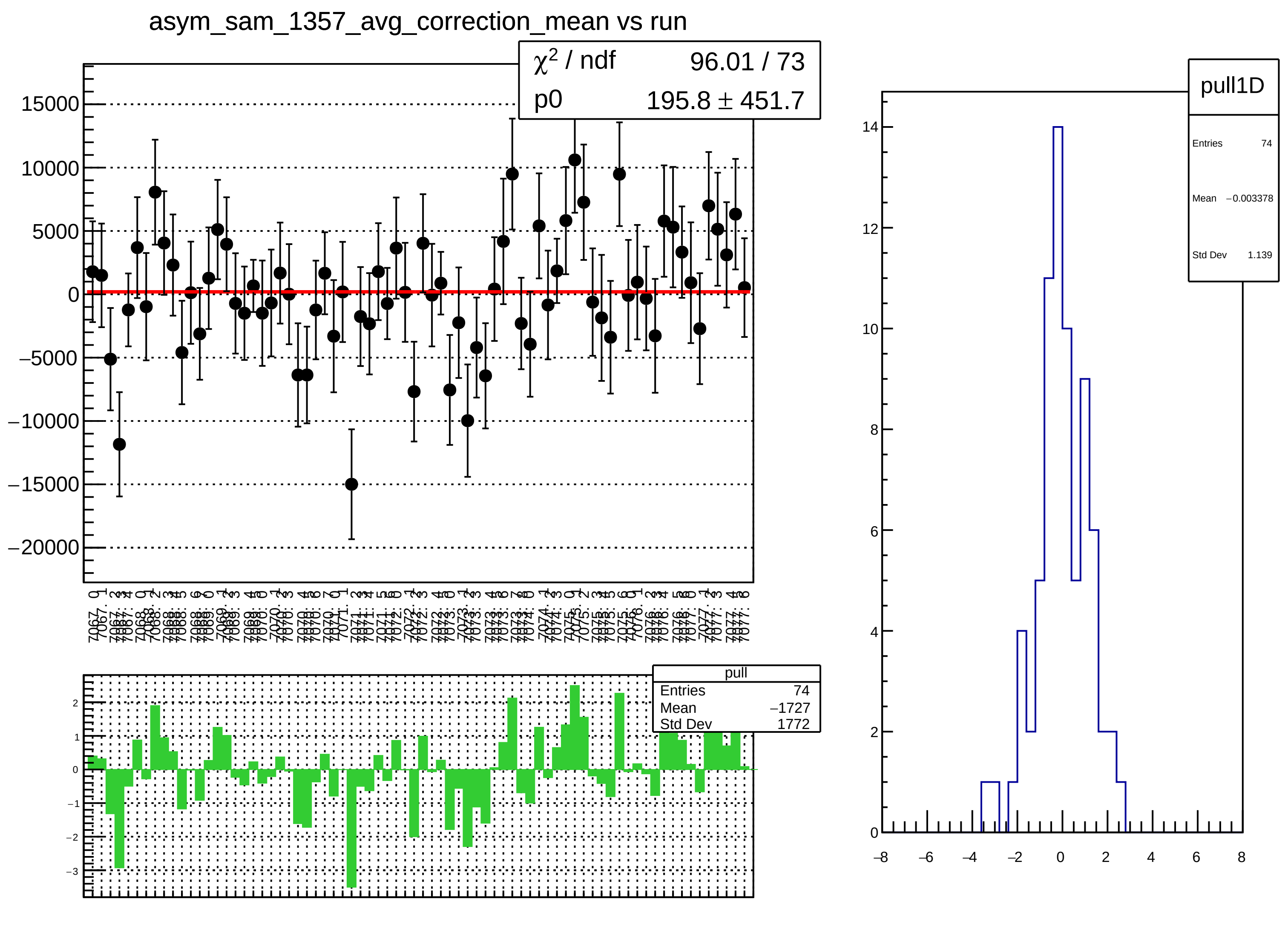
asym_sam_37_26_dd_rms vs run
χ2 / ndf 5597 / 73
p0 180.4 ± 0.1459



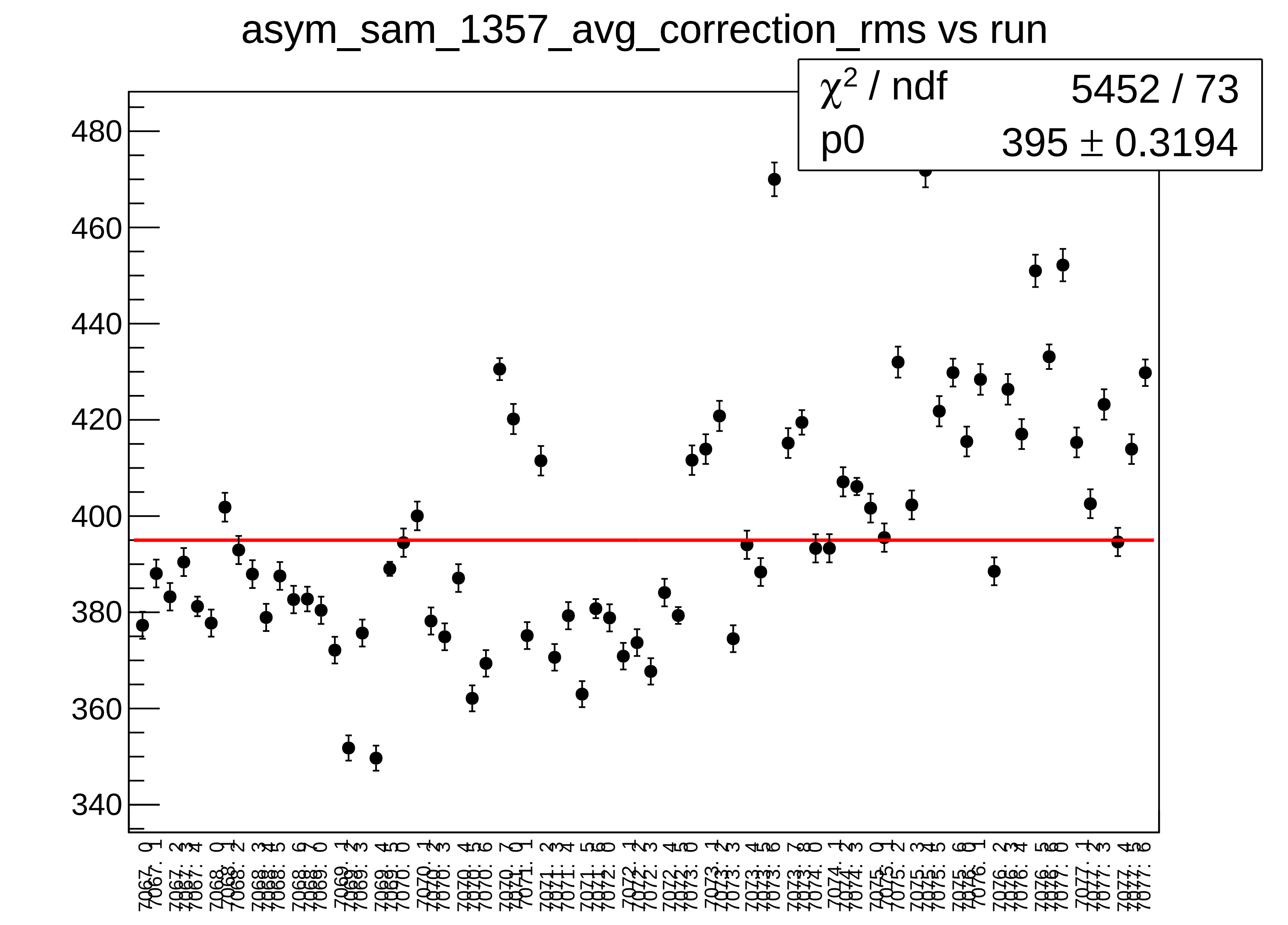
reg_asym_sam_1357_avg_mean vs run
χ2 / ndf 64.87 / 73
p0 −103.9 ± 61.25
pull
Entries 74
Mean 56.2
Std Dev 60.67
pull1D
Entries 74
Mean 0.02525
Std Dev 0.9359



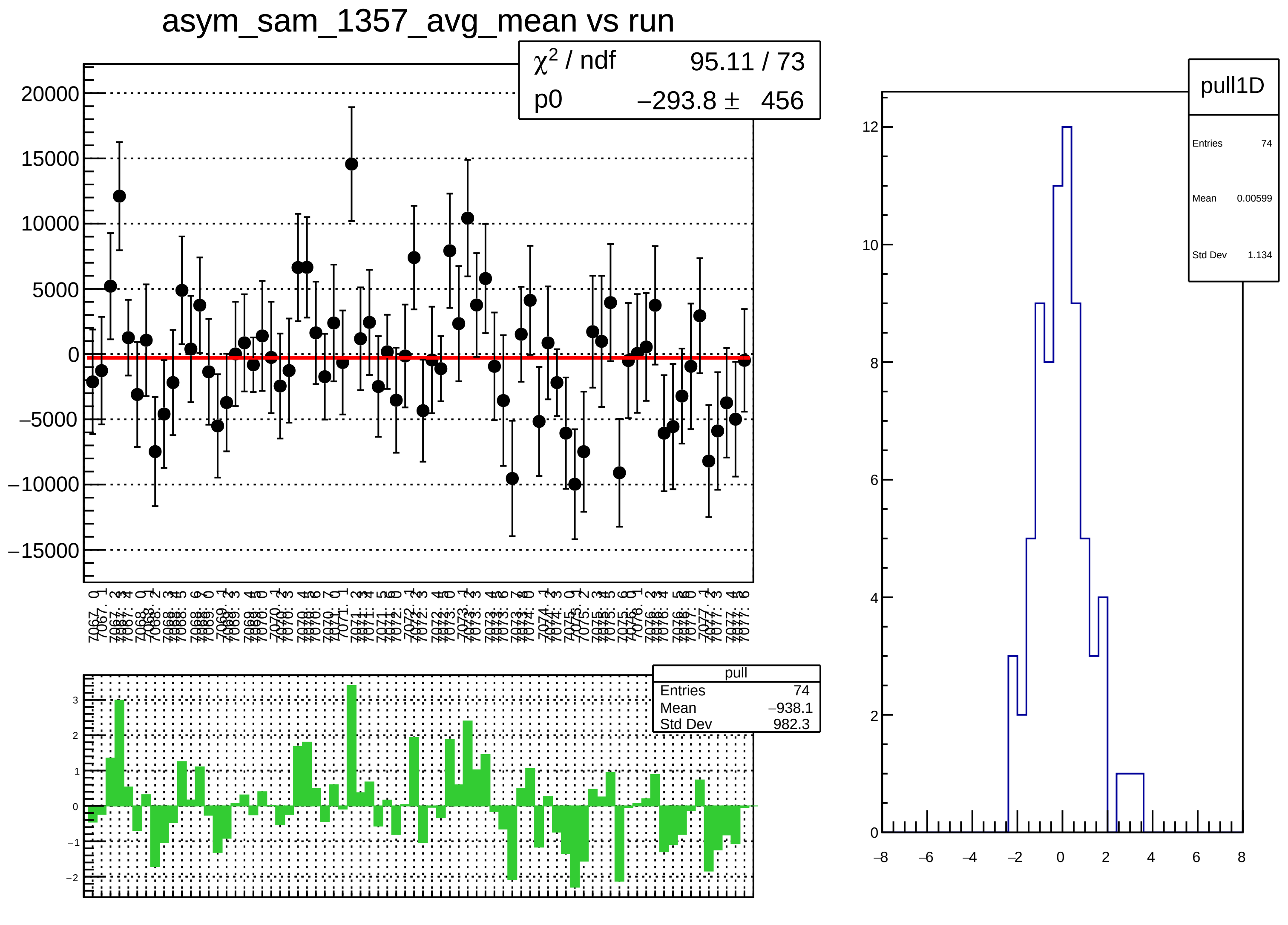
reg_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.165e+04 / 73
p0 53.28 ± 0.04331
75
70
65
60
55
50
45



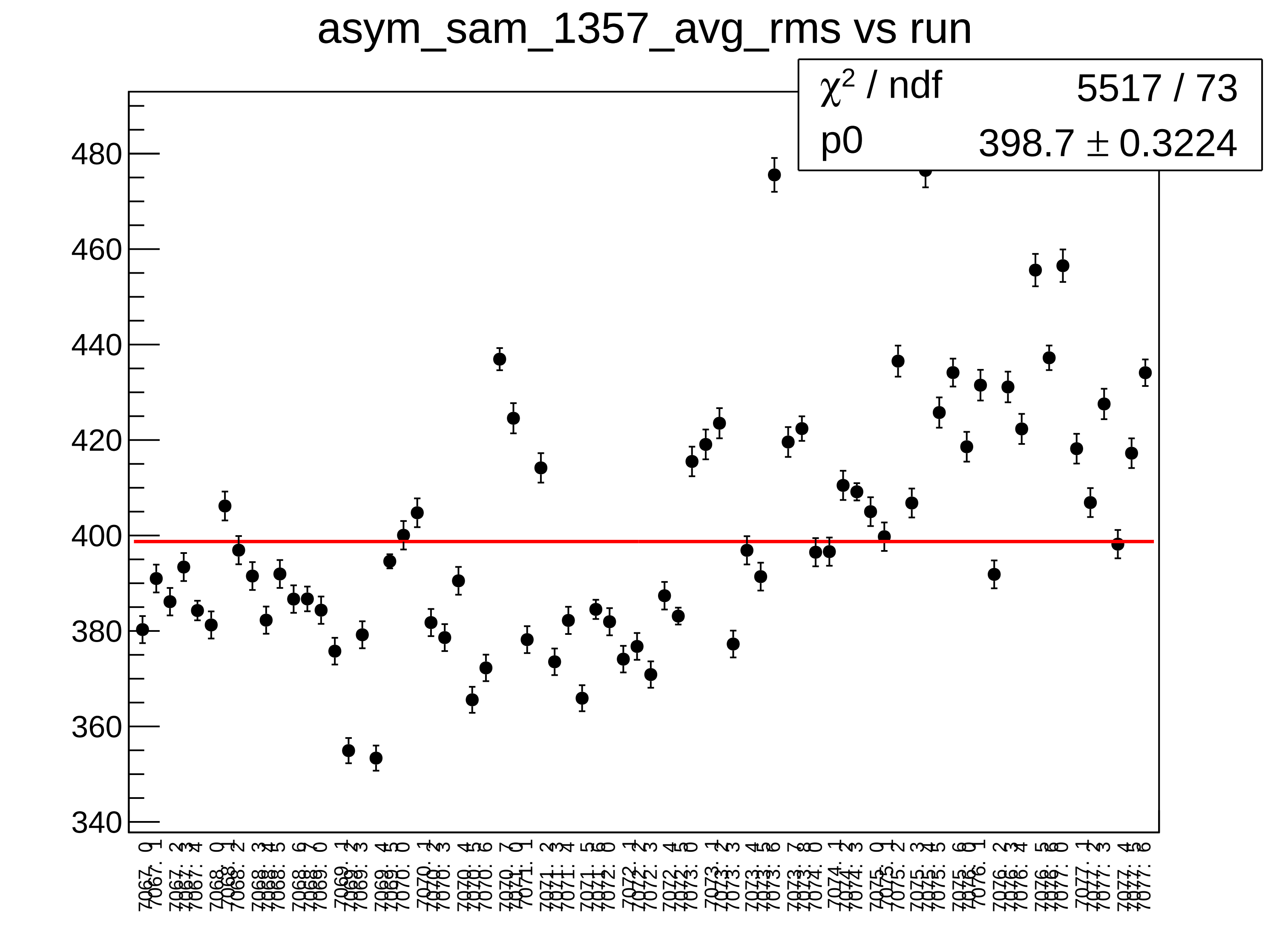
asym_sam_1357_avg_correction_mean vs run
χ^2 / ndf 96.01 / 73
p0 195.8 ± 451.7
pull
Entries 74
Mean −1727
Std Dev 1772
pull1D
Entries 74
Mean −0.003378
Std Dev 1.139

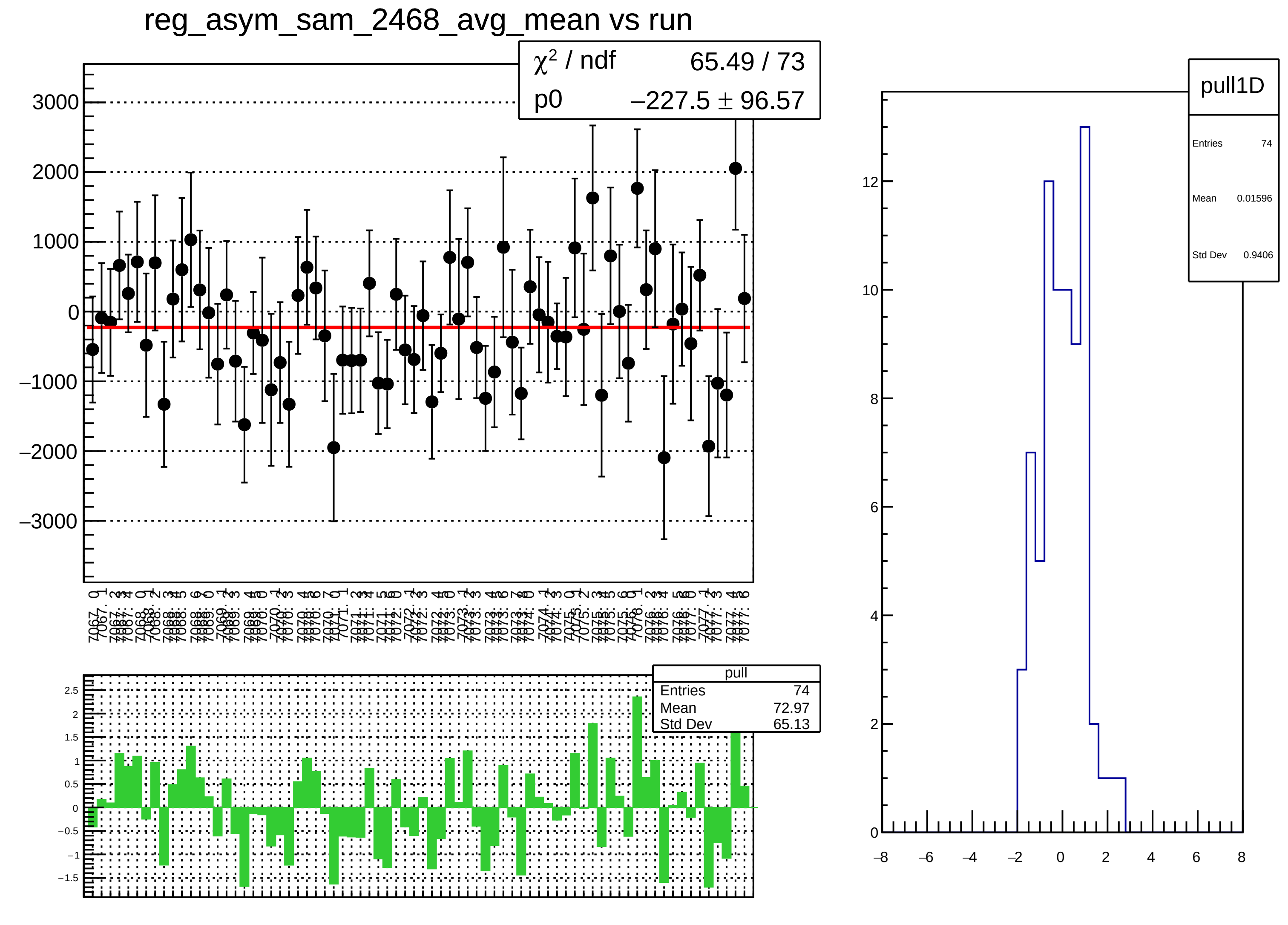


asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 5452 / 73
p0 395 ± 0.3194
480
460
440
420
400
380
360
340

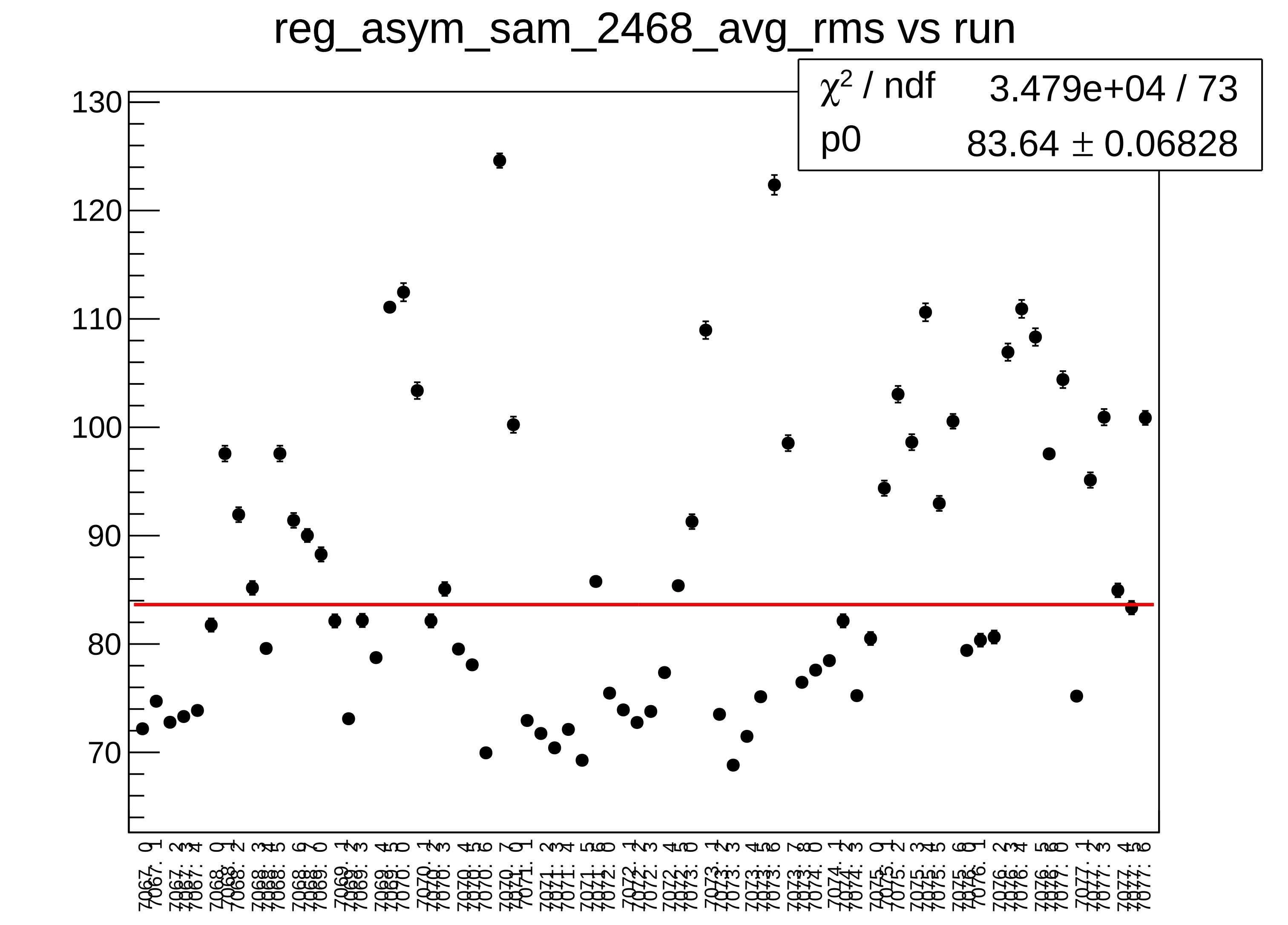


asym_sam_1357_avg_mean vs run
χ^2 / ndf 95.11 / 73
p0 −293.8 ± 456
pull
Entries 74
Mean −938.1
Std Dev 982.3
pull1D
Entries 74
Mean 0.00599
Std Dev 1.134

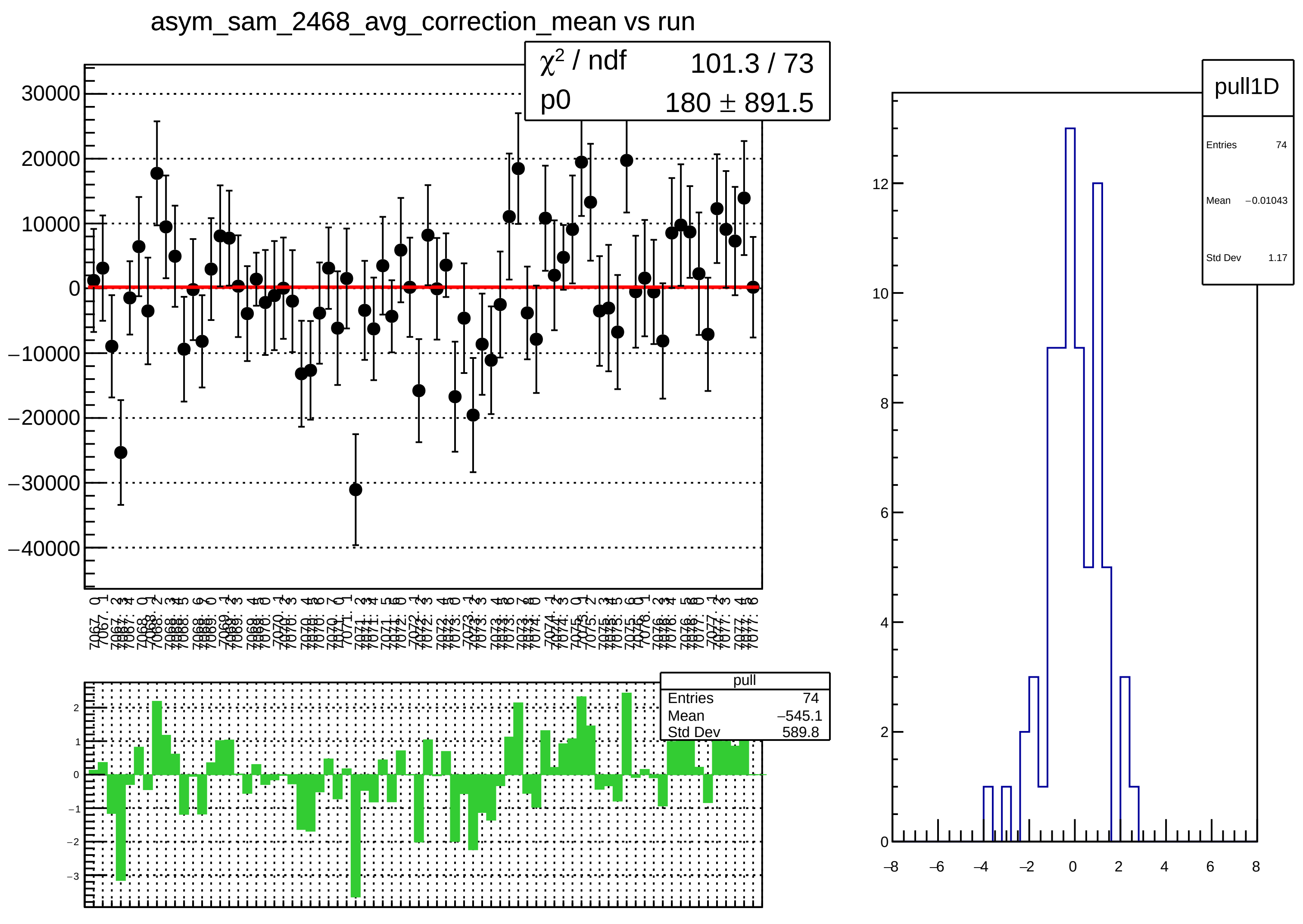

asym_sam_1357_avg_rms vs run
χ^2 / ndf 5517 / 73
p0 398.7 ± 0.3224



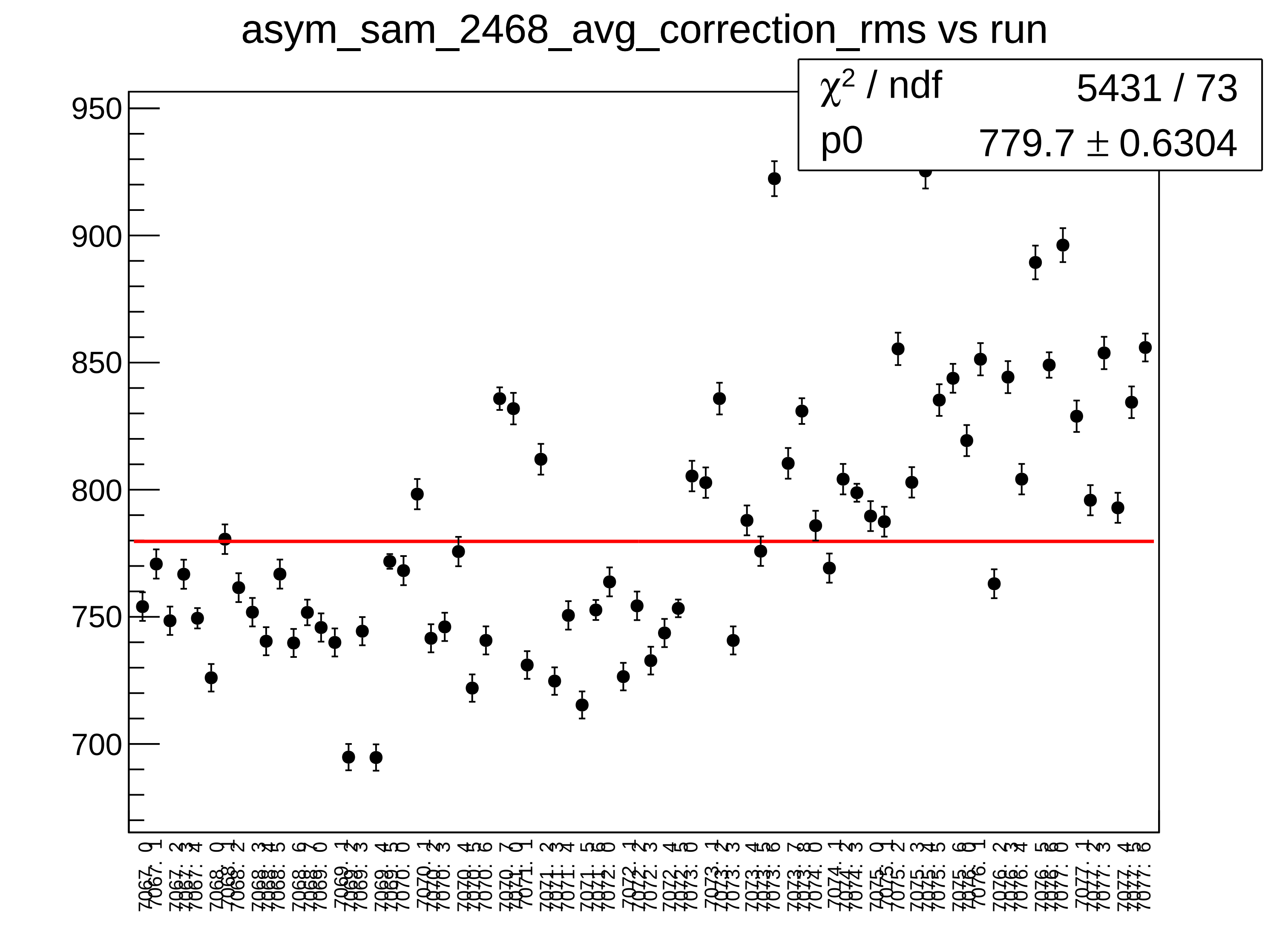
reg_asym_sam_2468_avg_mean vs run
χ^2 / ndf 65.49 / 73
p0 −227.5 ± 96.57
pull
Entries 74
Mean 72.97
Std Dev 65.13
pull1D
Entries 74
Mean 0.01596
Std Dev 0.9406



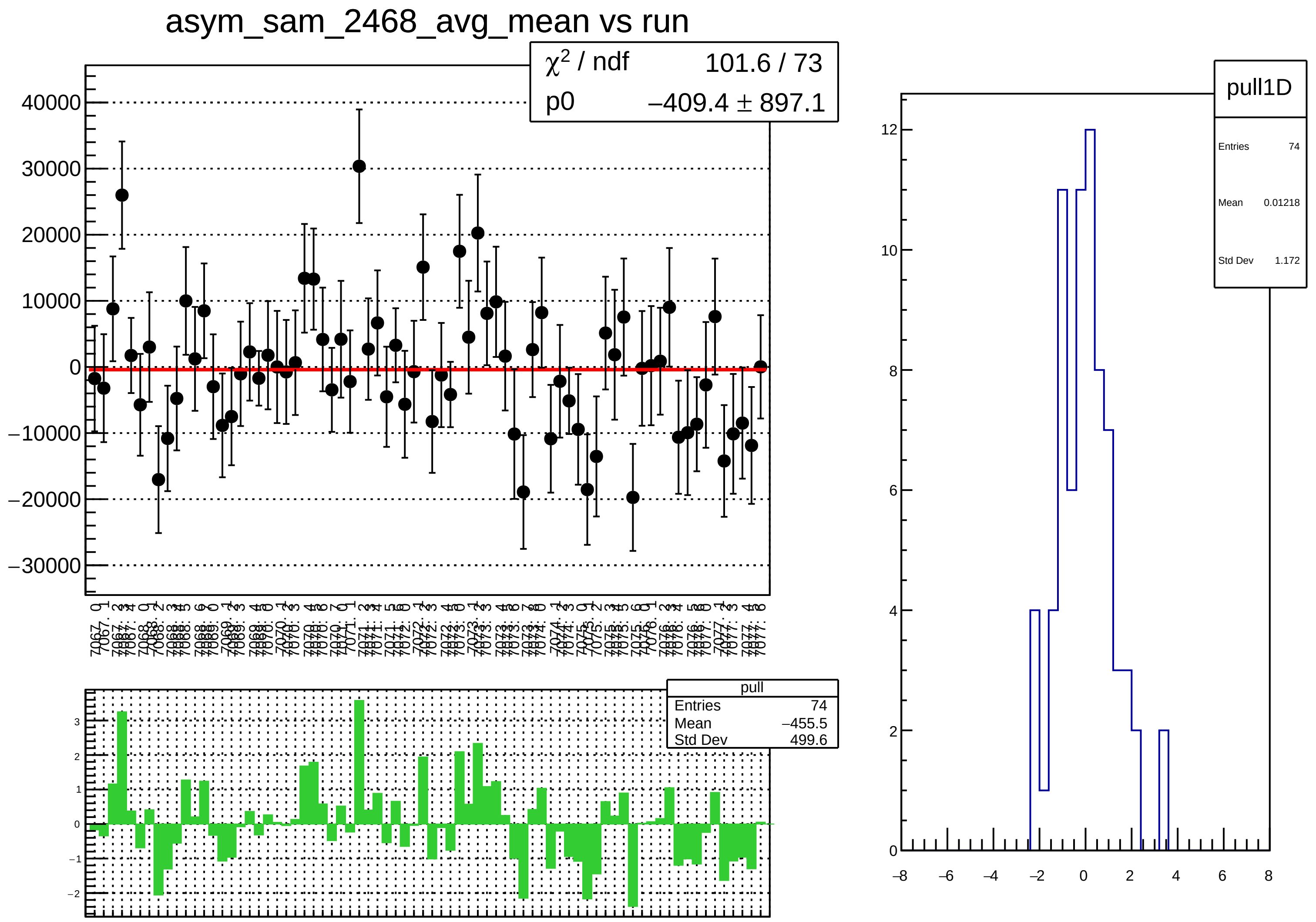
reg_asym_sam_2468_avg_rms vs run
χ2 / ndf 3.479e+04 / 73
p0 83.64 ± 0.06828
130
120
110
100
90
80
70



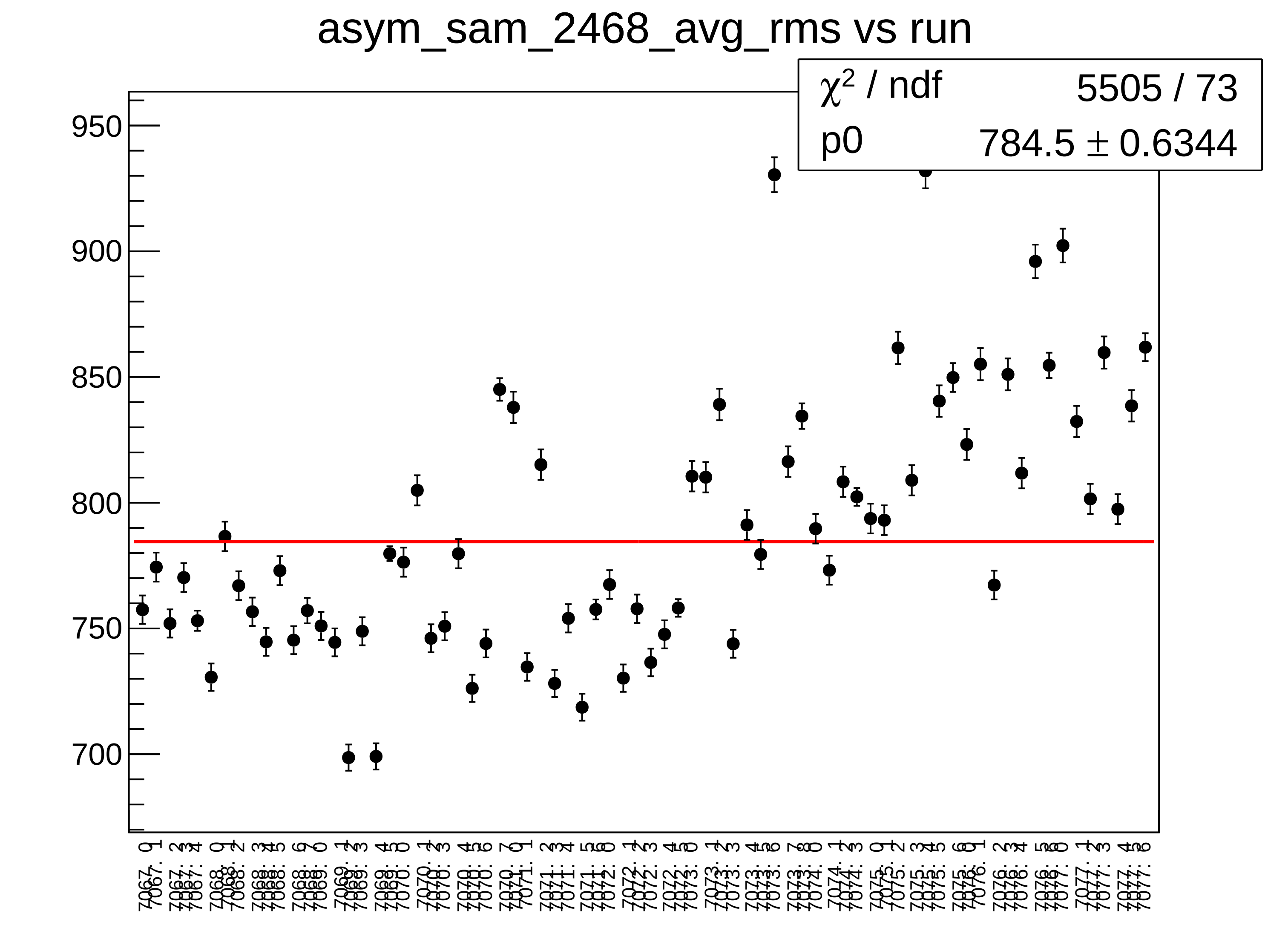
asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 101.3 / 73
p0 180 ± 891.5
pull
Entries 74
Mean −545.1
Std Dev 589.8
pull1D
Entries 74
Mean −0.01043
Std Dev 1.17



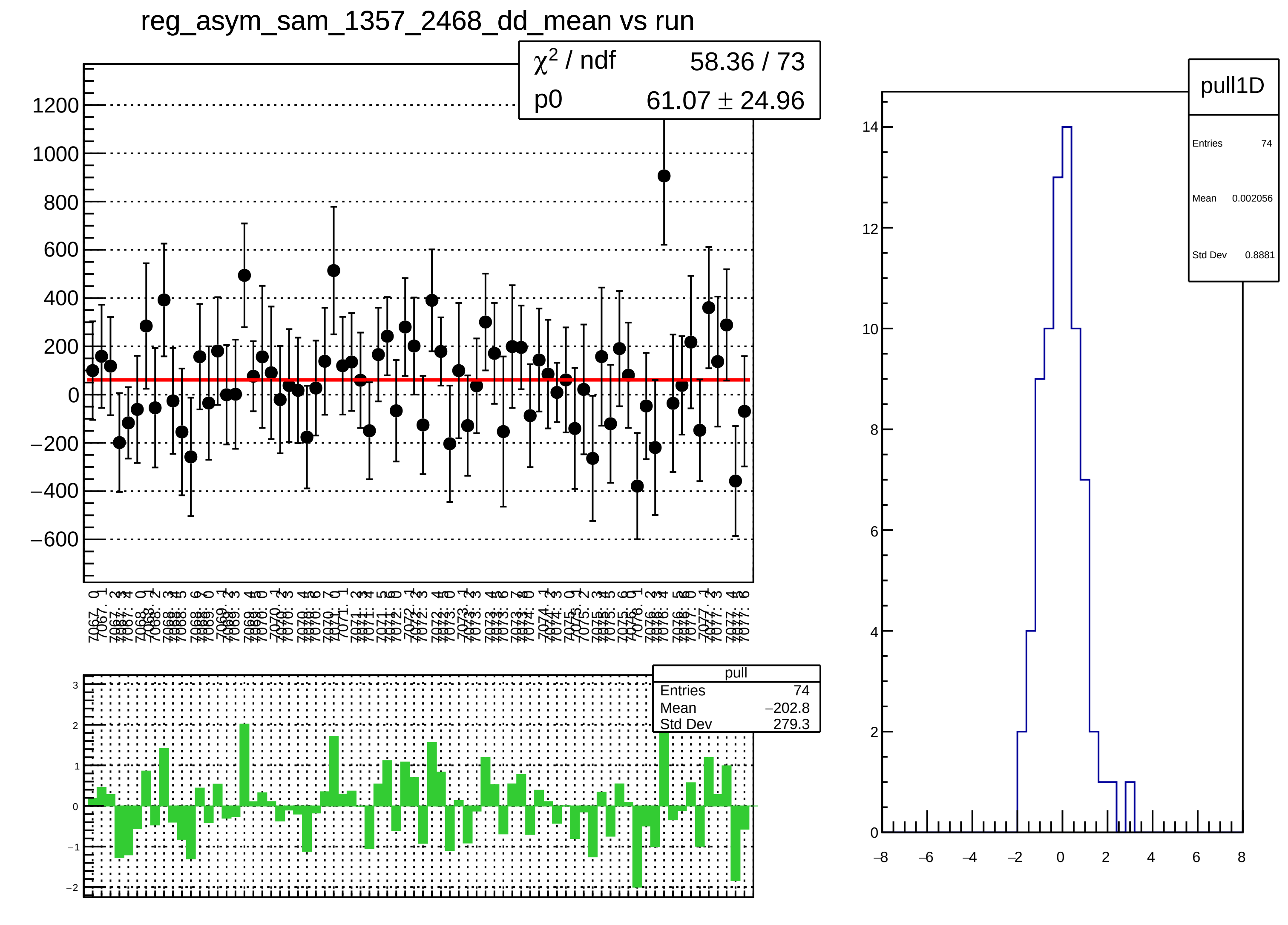
asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 5431 / 73
p0 779.7 ± 0.6304
950
900
850
800
750
700

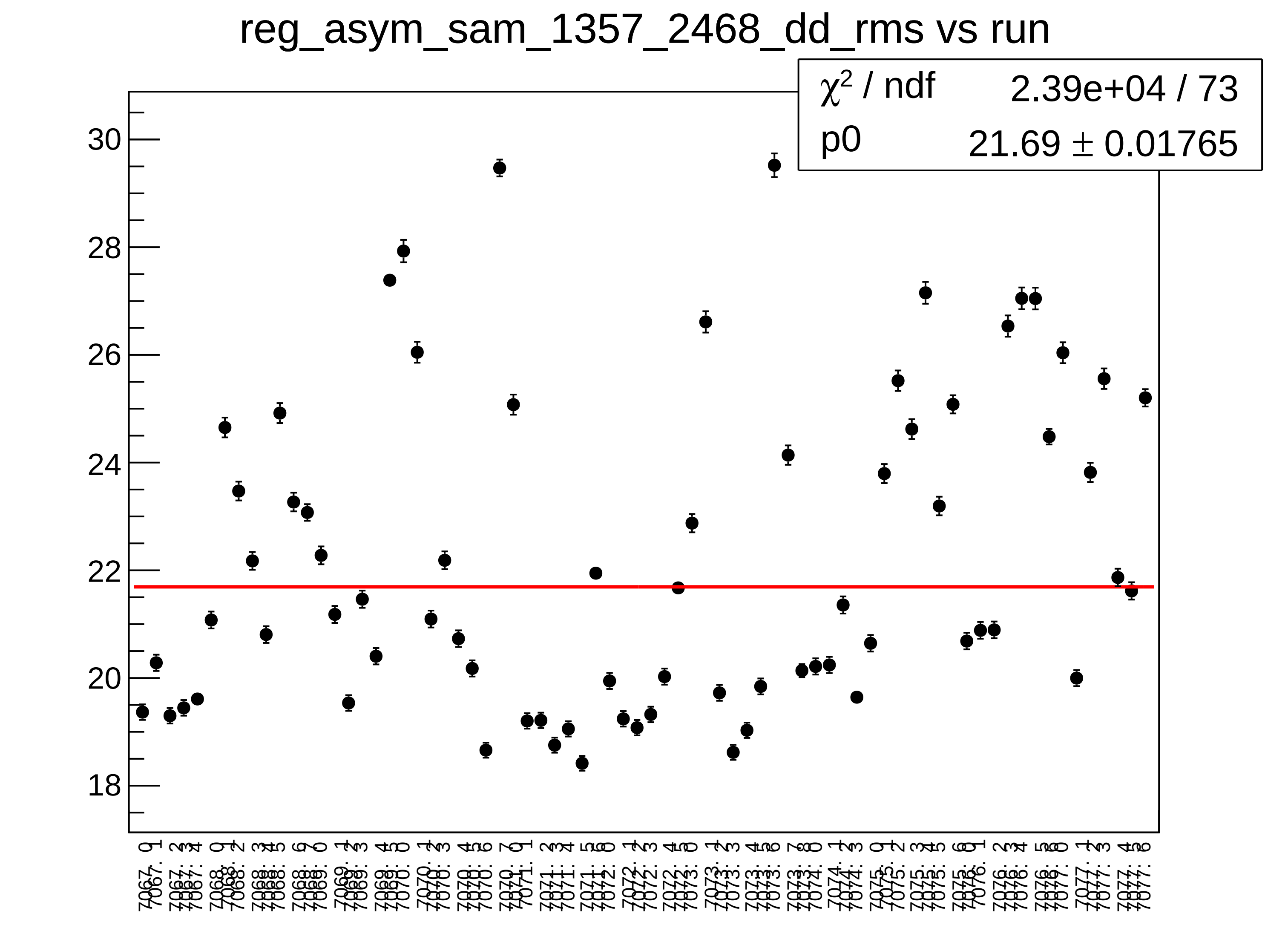


asym_sam_2468_avg_mean vs run
χ^2 / ndf 101.6 / 73
p0 −409.4 ± 897.1
pull
Entries 74
Mean −455.5
Std Dev 499.6
pull1D
Entries 74
Mean 0.01218
Std Dev 1.172

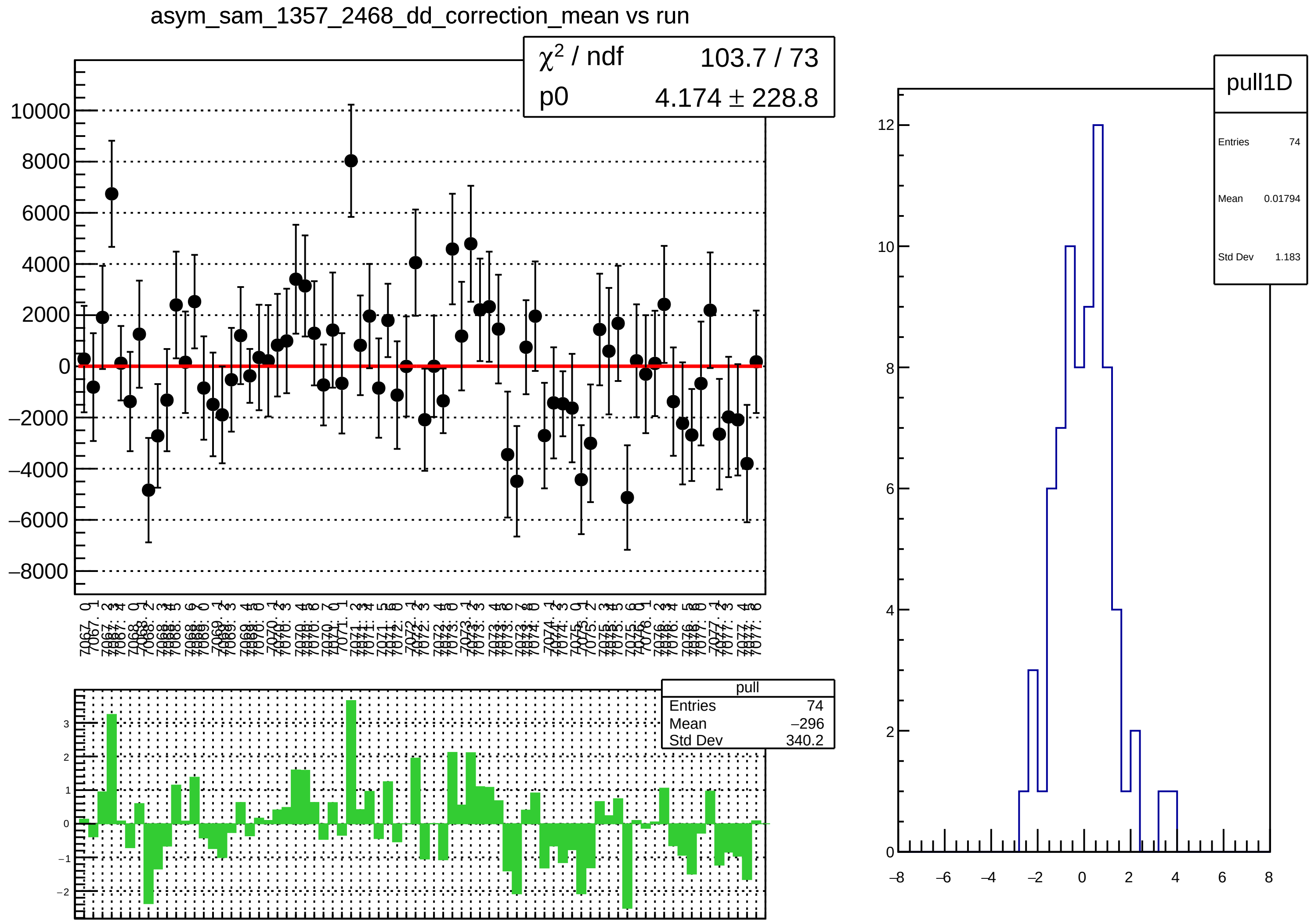


asym_sam_2468_avg_rms vs run
χ2 / ndf 5505 / 73
p0 784.5 ± 0.6344

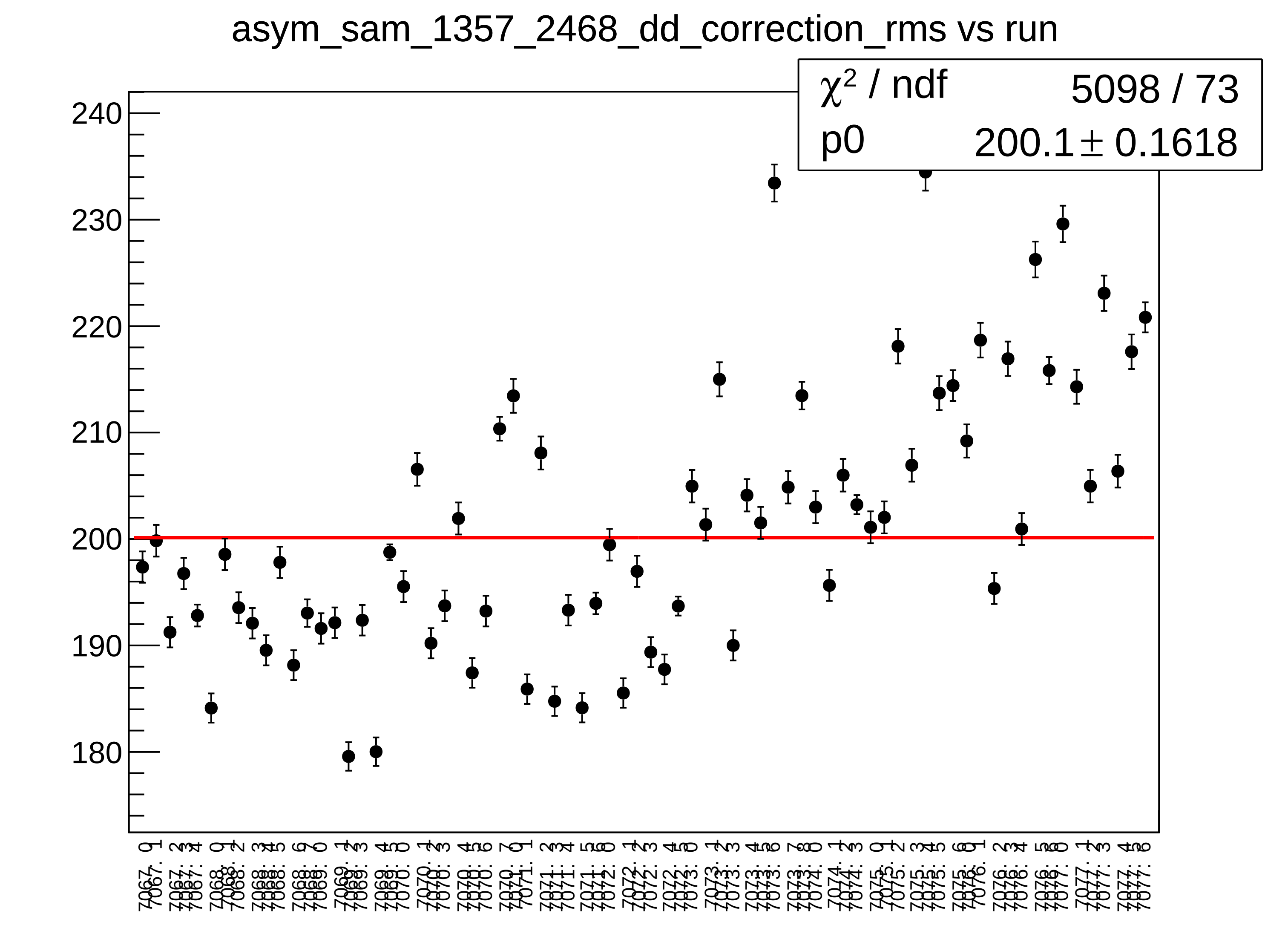

reg_asym_sam_1357_2468_dd_mean vs run
χ2 / ndf 58.36 / 73
p0 61.07 ± 24.96
pull
Entries 74
Mean −202.8
Std Dev 279.3
pull1D
Entries 74
Mean 0.002056
Std Dev 0.8881



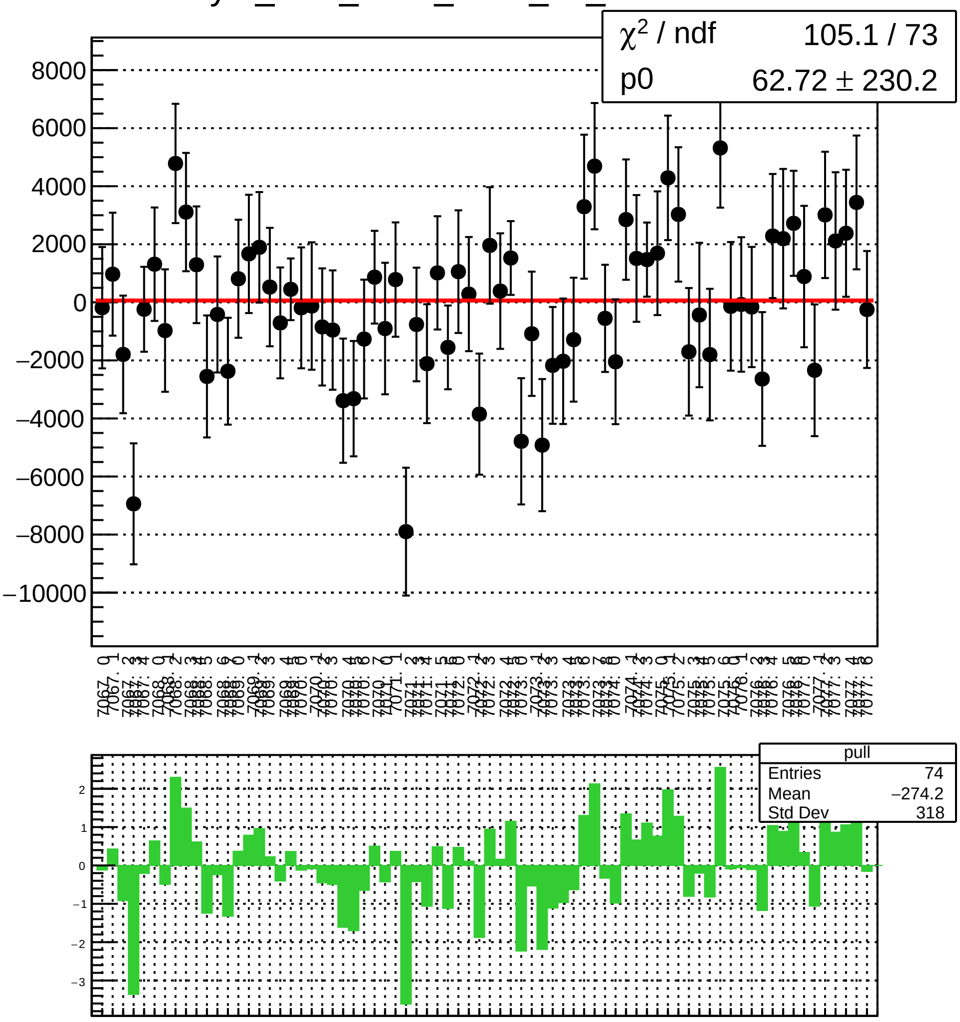
reg_asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 2.39e+04 / 73
p0 21.69 ± 0.01765
30
28
26
24
22
20
18

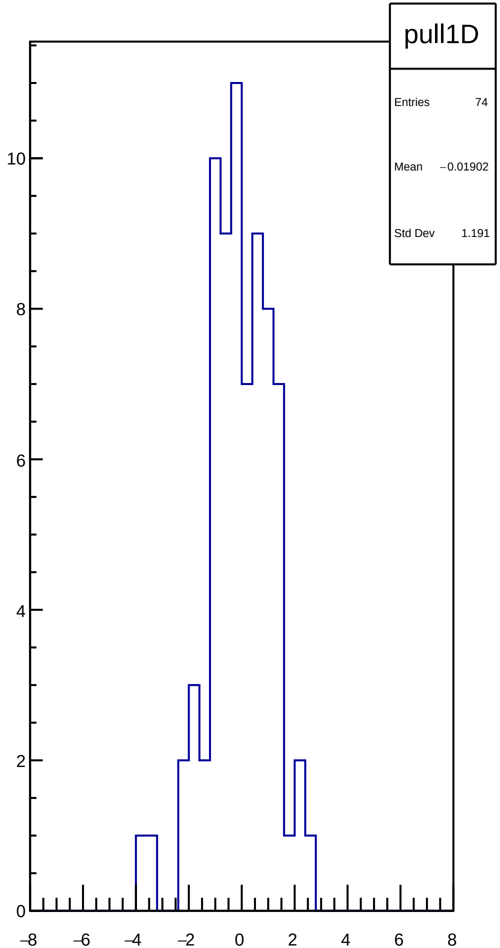


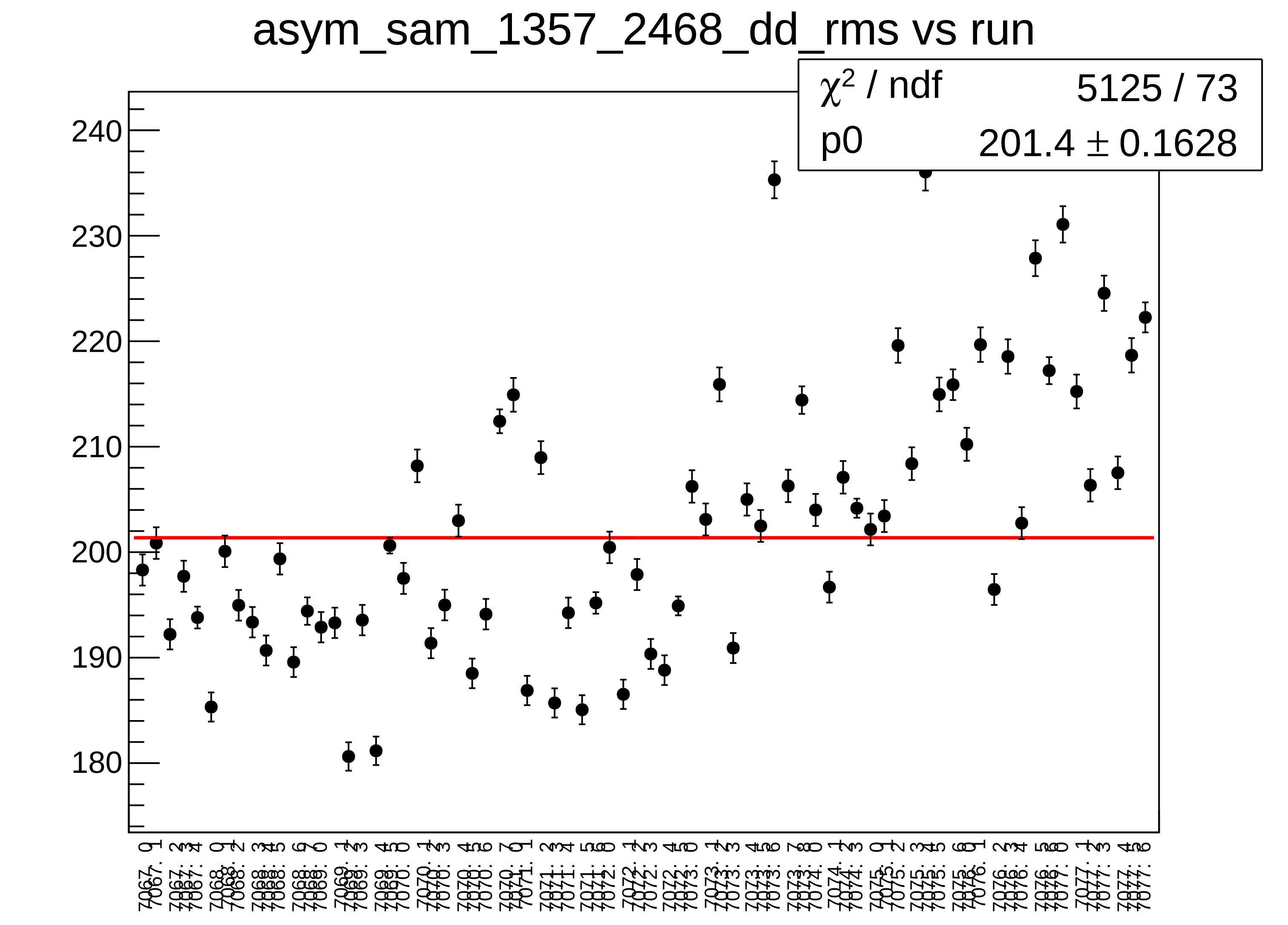
asym_sam_1357_2468_dd_correction_mean vs run
χ2 / ndf 103.7 / 73
p0 4.174 ± 228.8
pull
Entries 74
Mean −296
Std Dev 340.2
pull1D
Entries 74
Mean 0.01794
Std Dev 1.183


asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 5098 / 73
p0 200.1 ± 0.1618
240
230
220
210
200
190
180

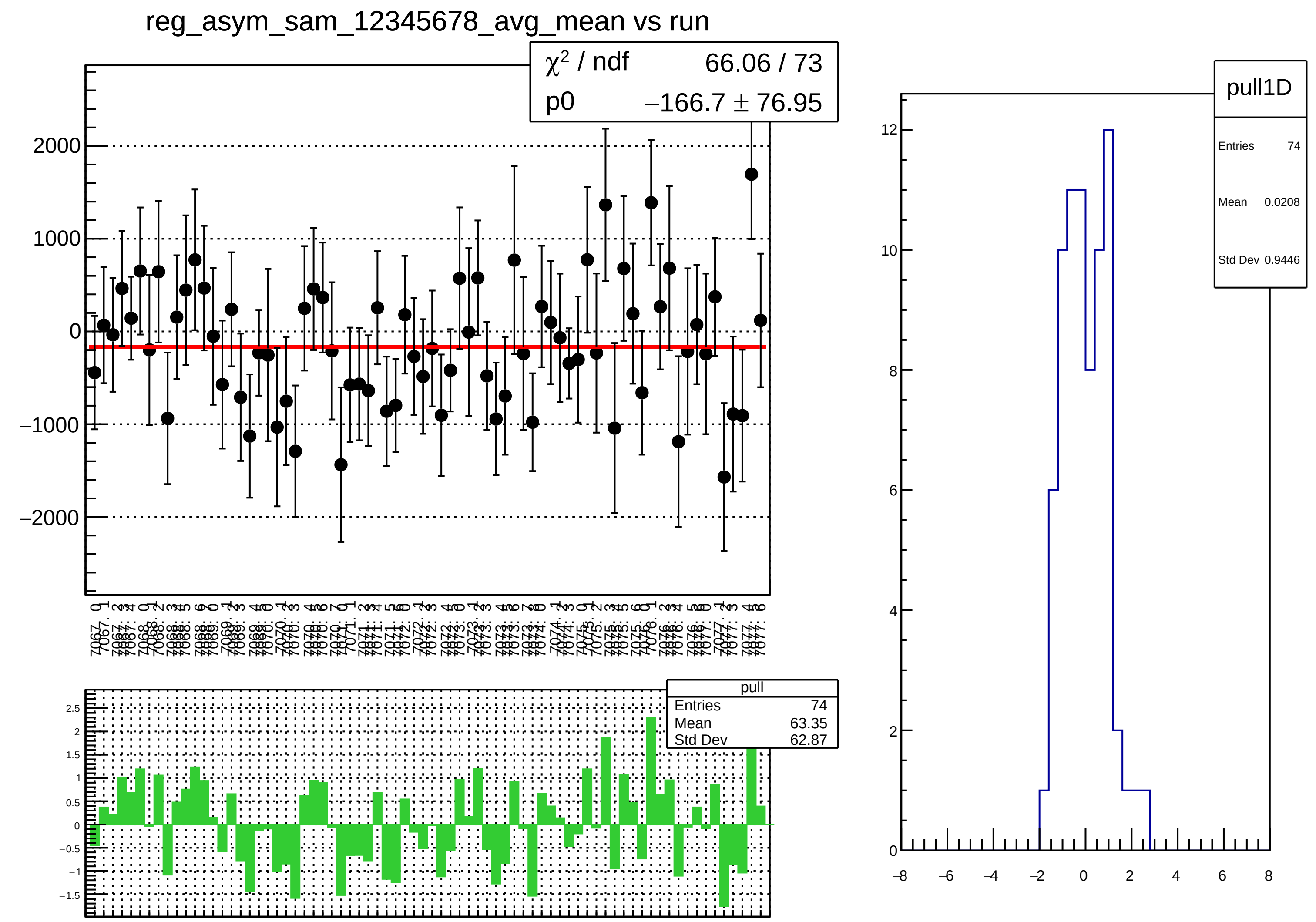
asym_sam_1357_2468_dd_mean vs run

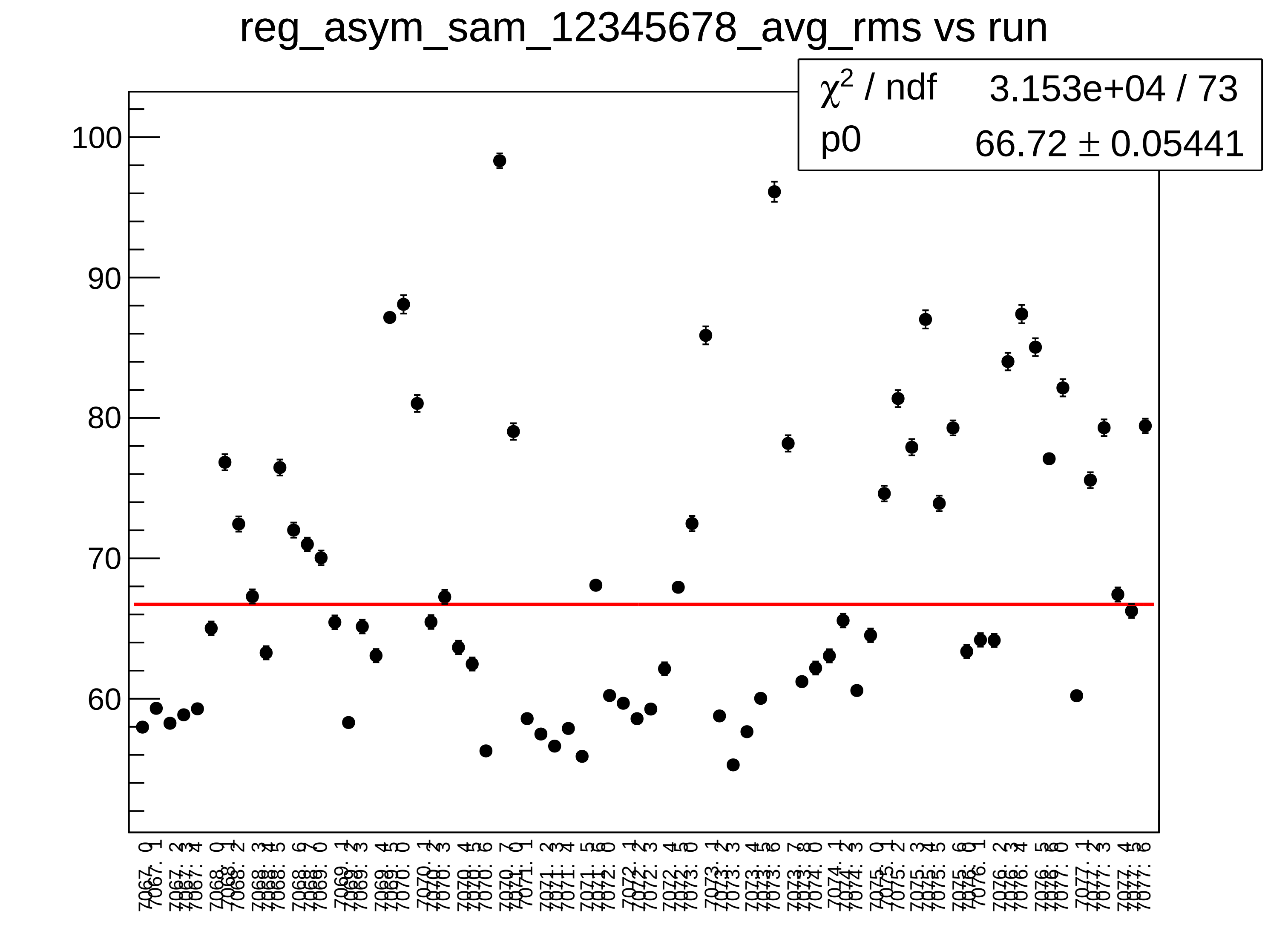




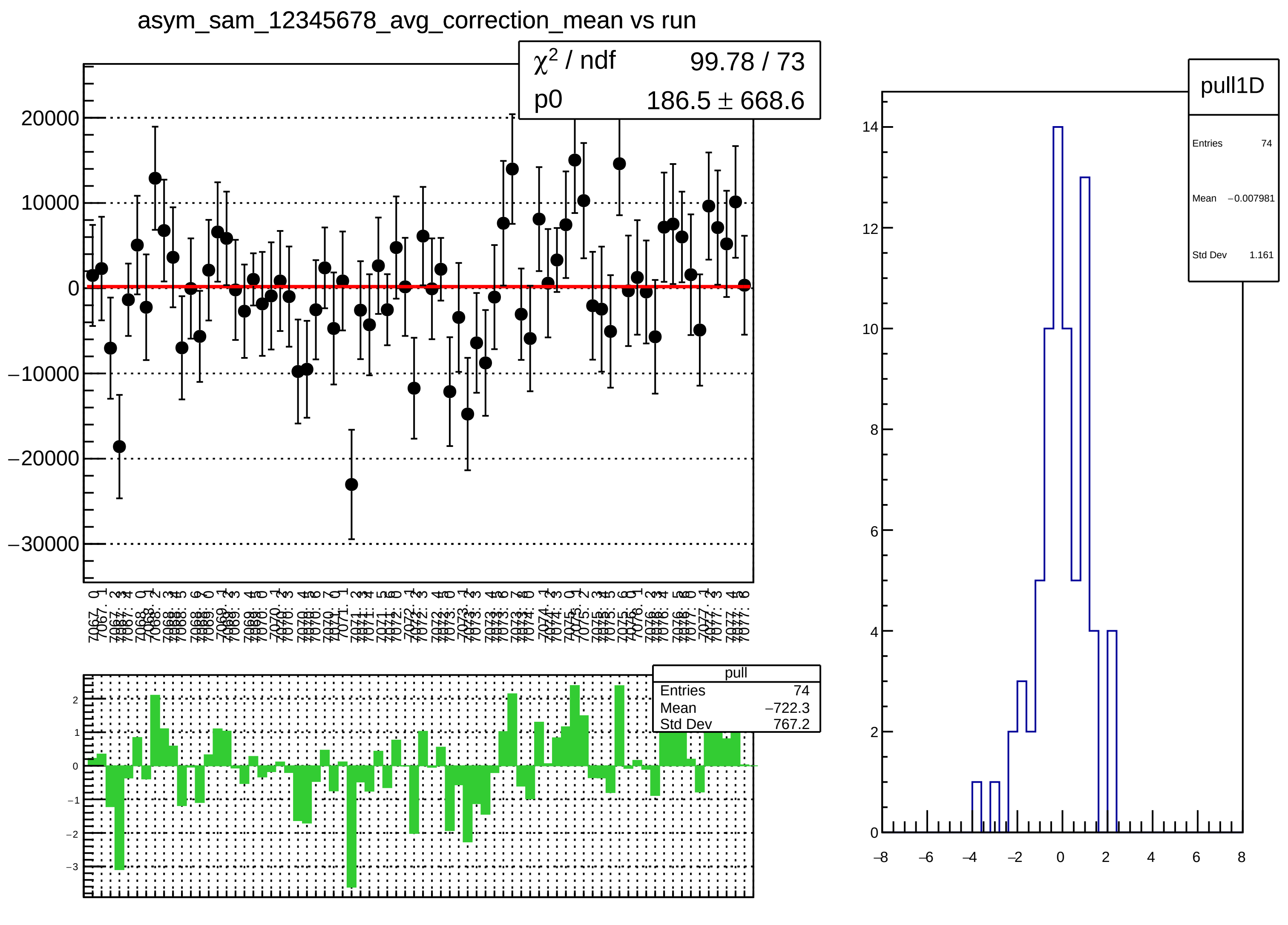


asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 5125 / 73
p0 201.4 ± 0.1628
240
230
220
210
200
190
180

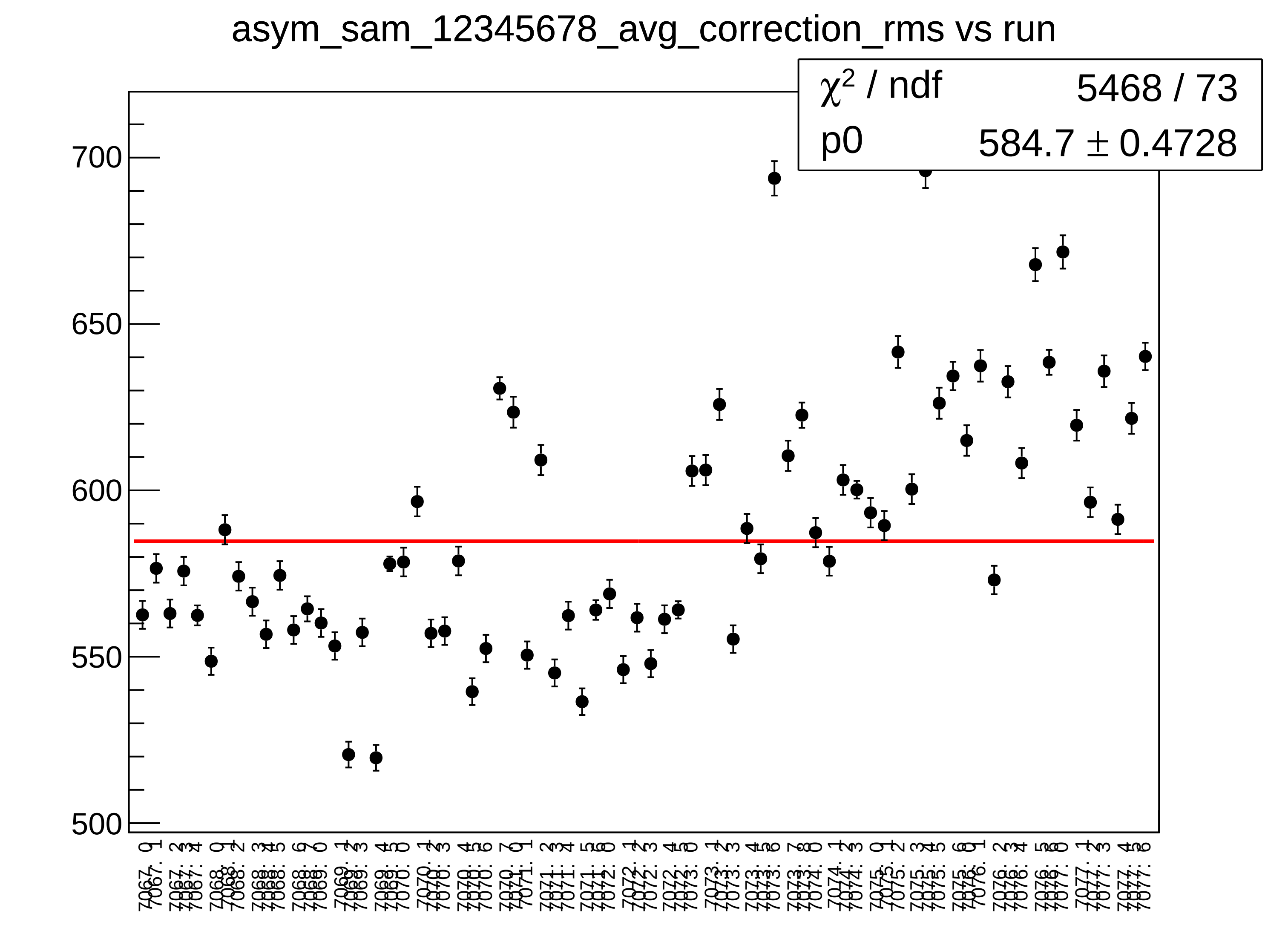

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 66.06 / 73
p0 −166.7 ± 76.95
2000
1000
0
−1000
−2000
pull
Entries 74
Mean 63.35
Std Dev 62.87
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 74
Mean 0.0208
Std Dev 0.9446
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



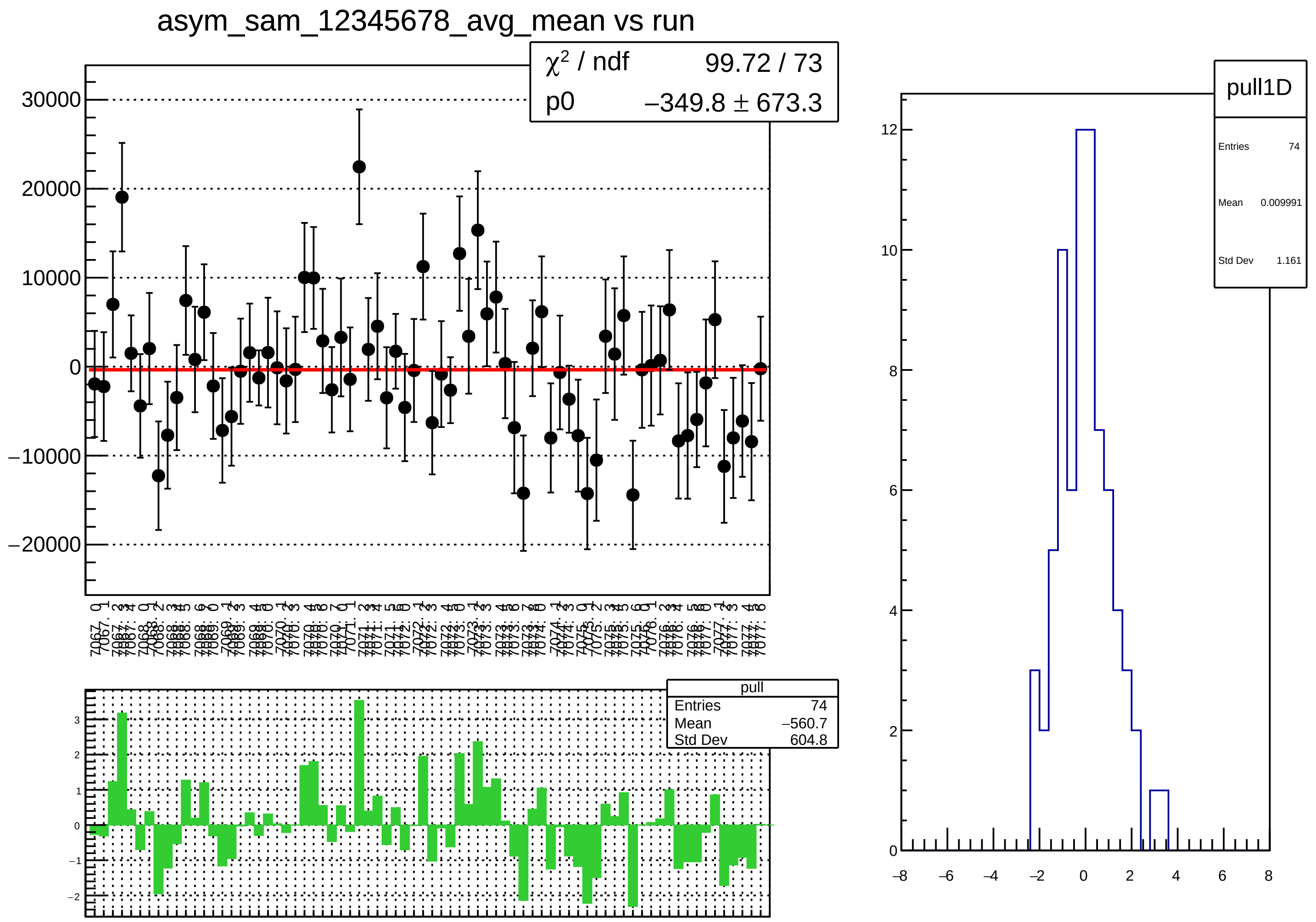
reg_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 3.153e+04 / 73
p0 66.72 ± 0.05441
100
90
80
70
60



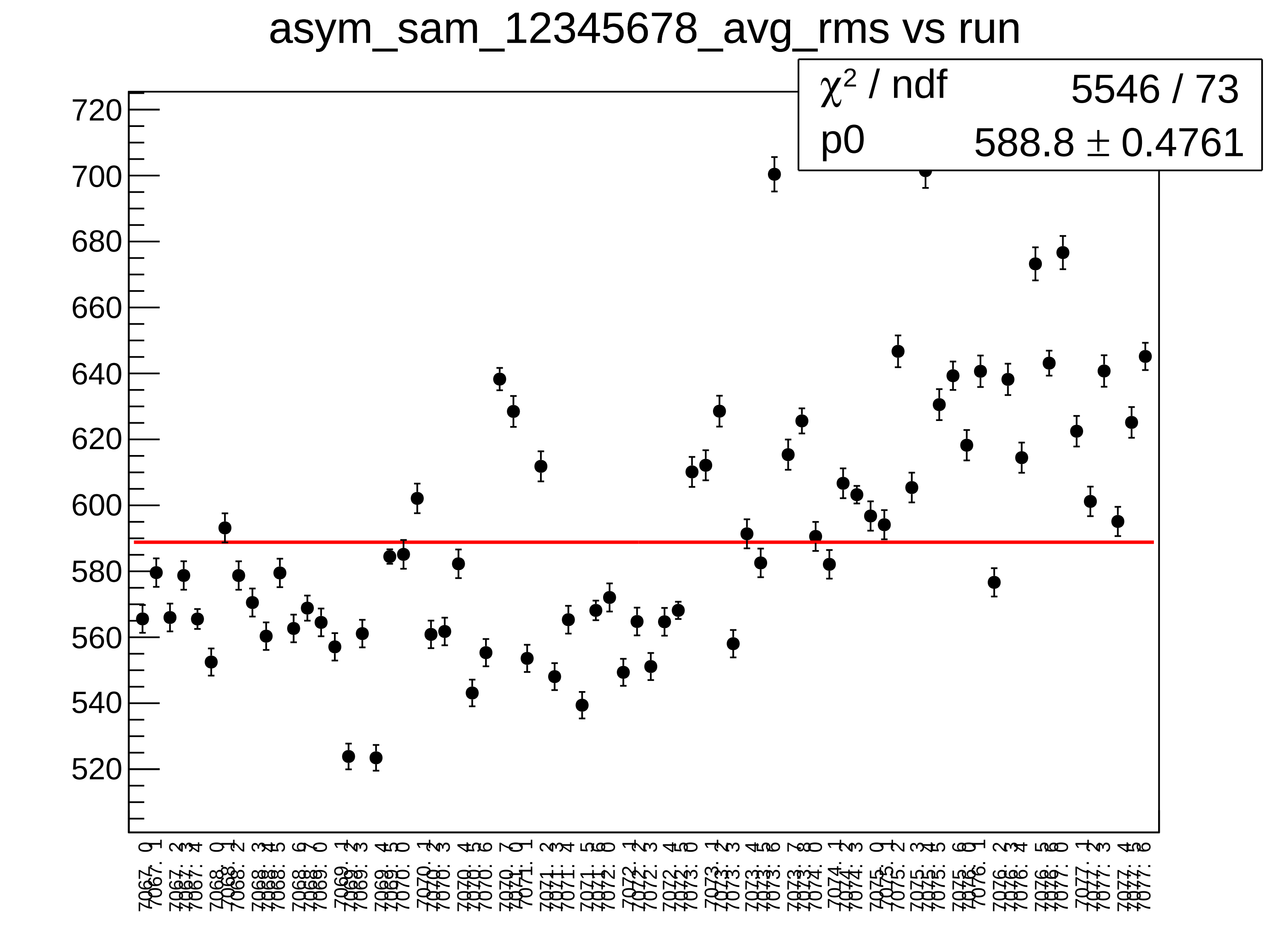
asym_sam_12345678_avg_correction_mean vs run
χ^2 / ndf 99.78 / 73
p0 186.5 ± 668.6
pull
Entries 74
Mean −722.3
Std Dev 767.2
pull1D
Entries 74
Mean −0.007981
Std Dev 1.161

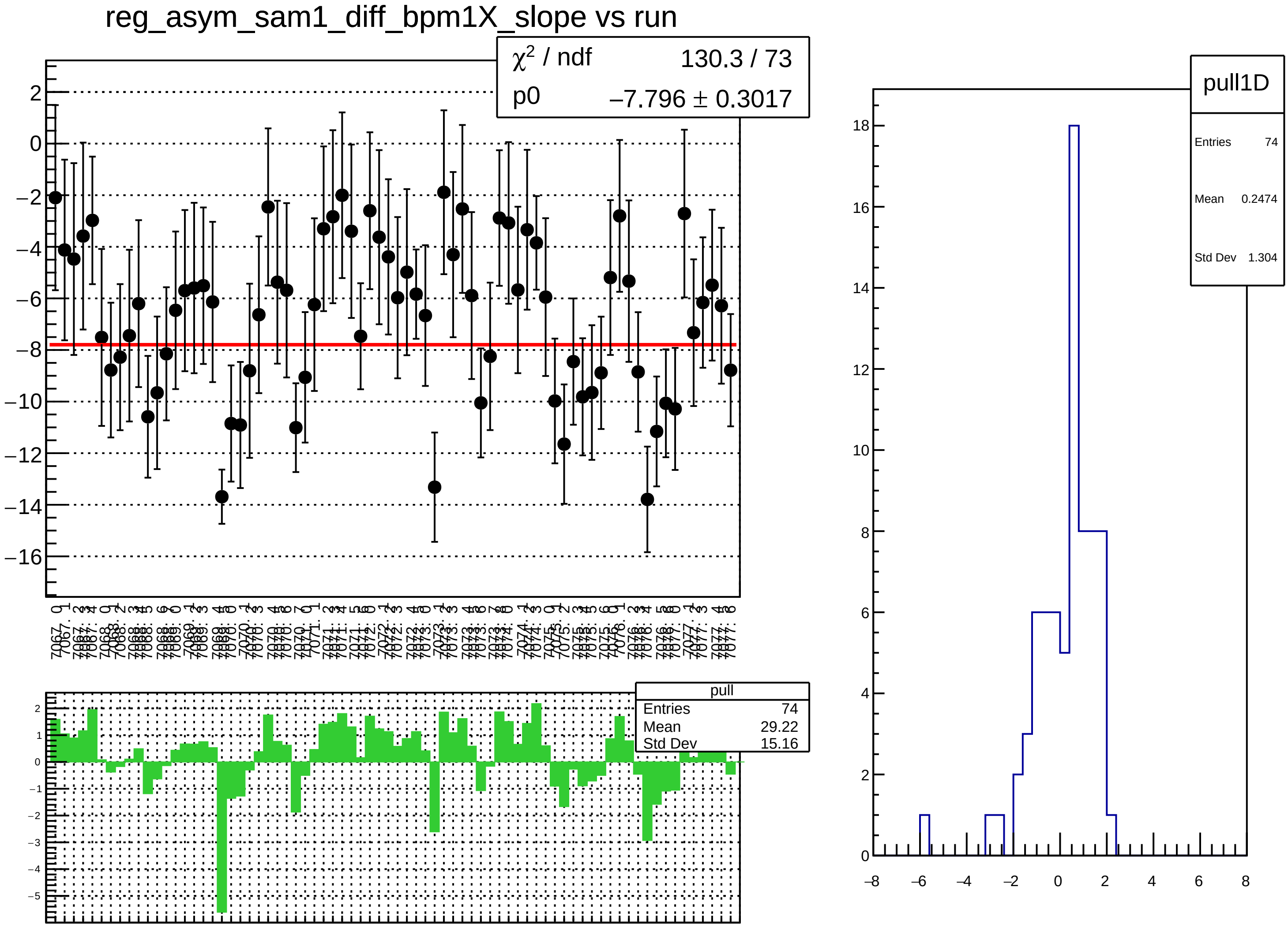


asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 5468 / 73
p0 584.7 ± 0.4728
700
650
600
550
500

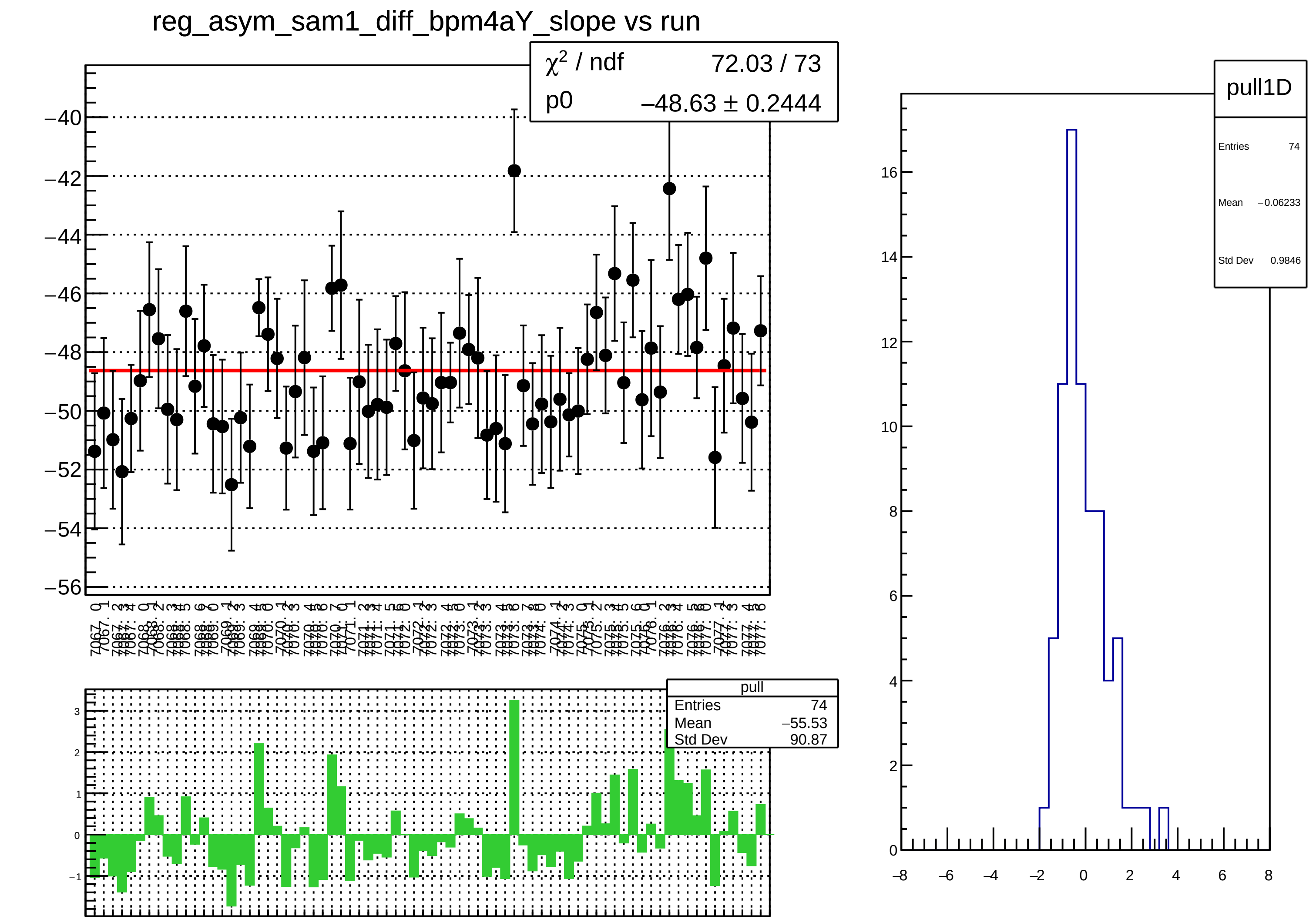


asym_sam_12345678_avg_mean vs run
χ2 / ndf 99.72 / 73
p0 −349.8 ± 673.3
pull
Entries 74
Mean −560.7
Std Dev 604.8
pull1D
Entries 74
Mean 0.009991
Std Dev 1.161

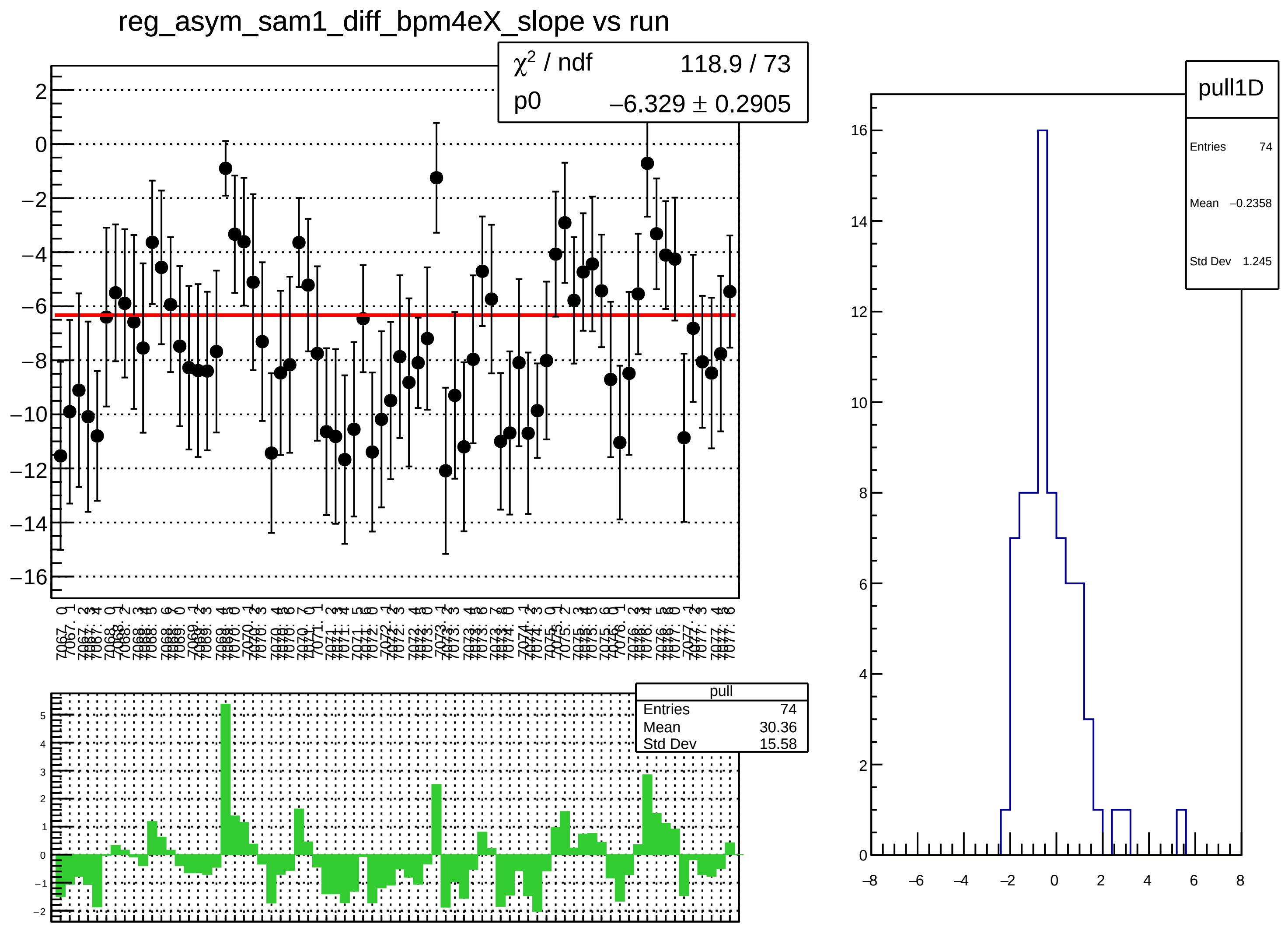

asym_sam_12345678_avg_rms vs run
χ^2 / ndf 5546 / 73
p0 588.8 ± 0.4761
720
700
680
660
640
620
600
580
560
540
520



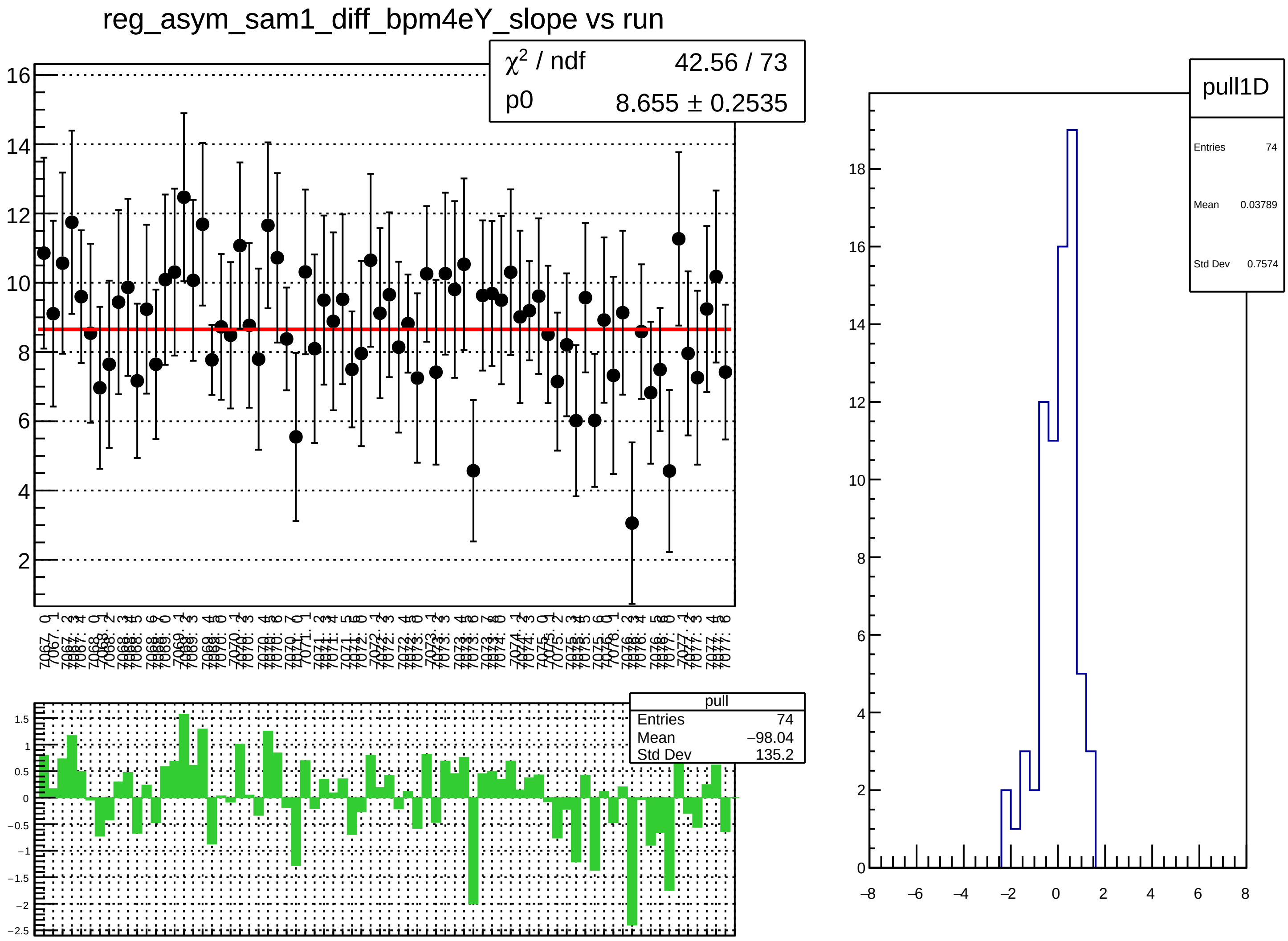
reg_asym_sam1_diff_bpm1X_slope vs run
χ2 / ndf 130.3 / 73
p0 −7.796 ± 0.3017
pull
Entries 74
Mean 29.22
Std Dev 15.16
pull1D
Entries 74
Mean 0.2474
Std Dev 1.304



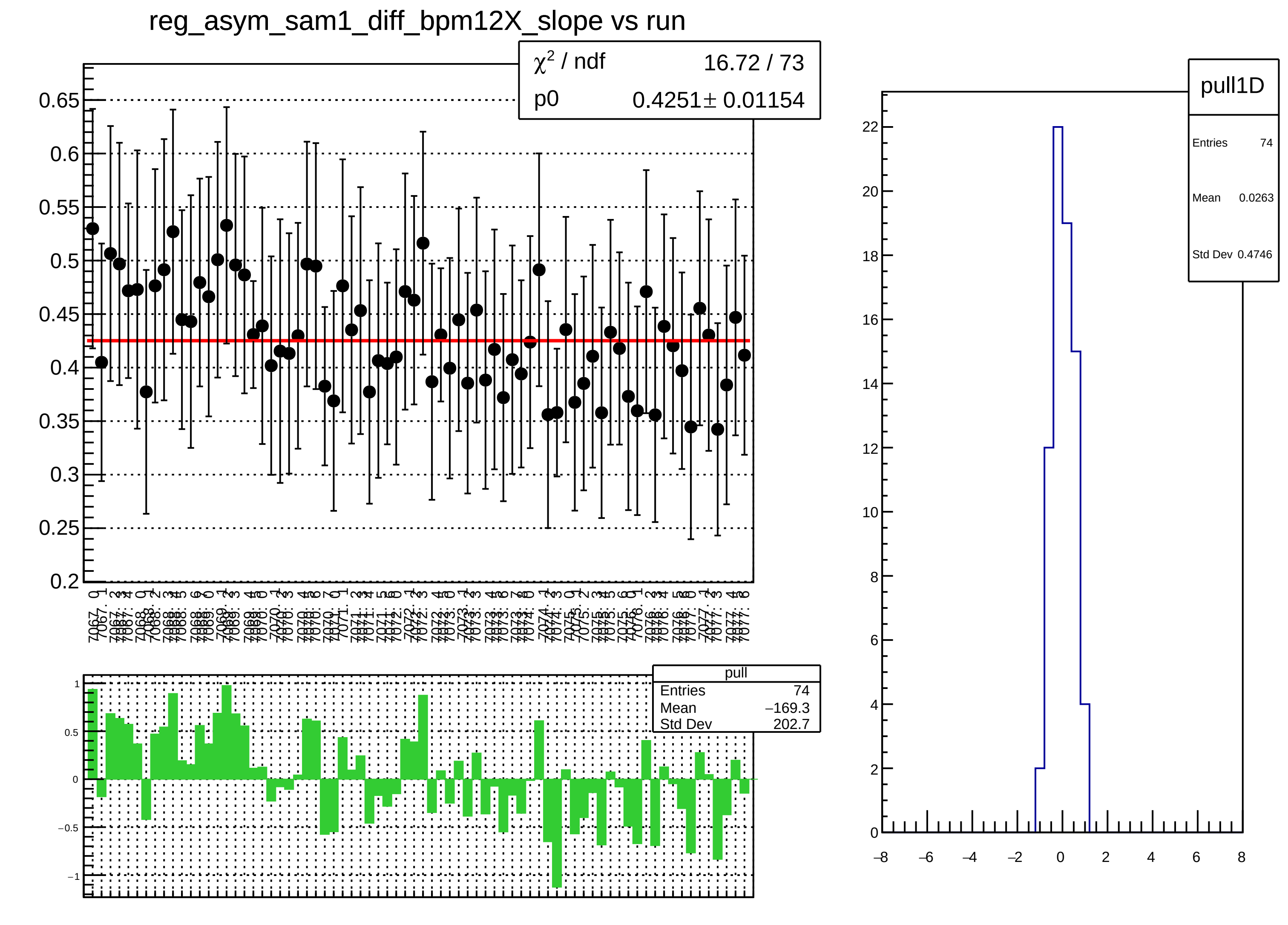
reg_asym_sam1_diff_bpm4aY_slope vs run
χ2 / ndf 72.03 / 73
p0 −48.63 ± 0.2444
pull
Entries 74
Mean −55.53
Std Dev 90.87
pull1D
Entries 74
Mean −0.06233
Std Dev 0.9846



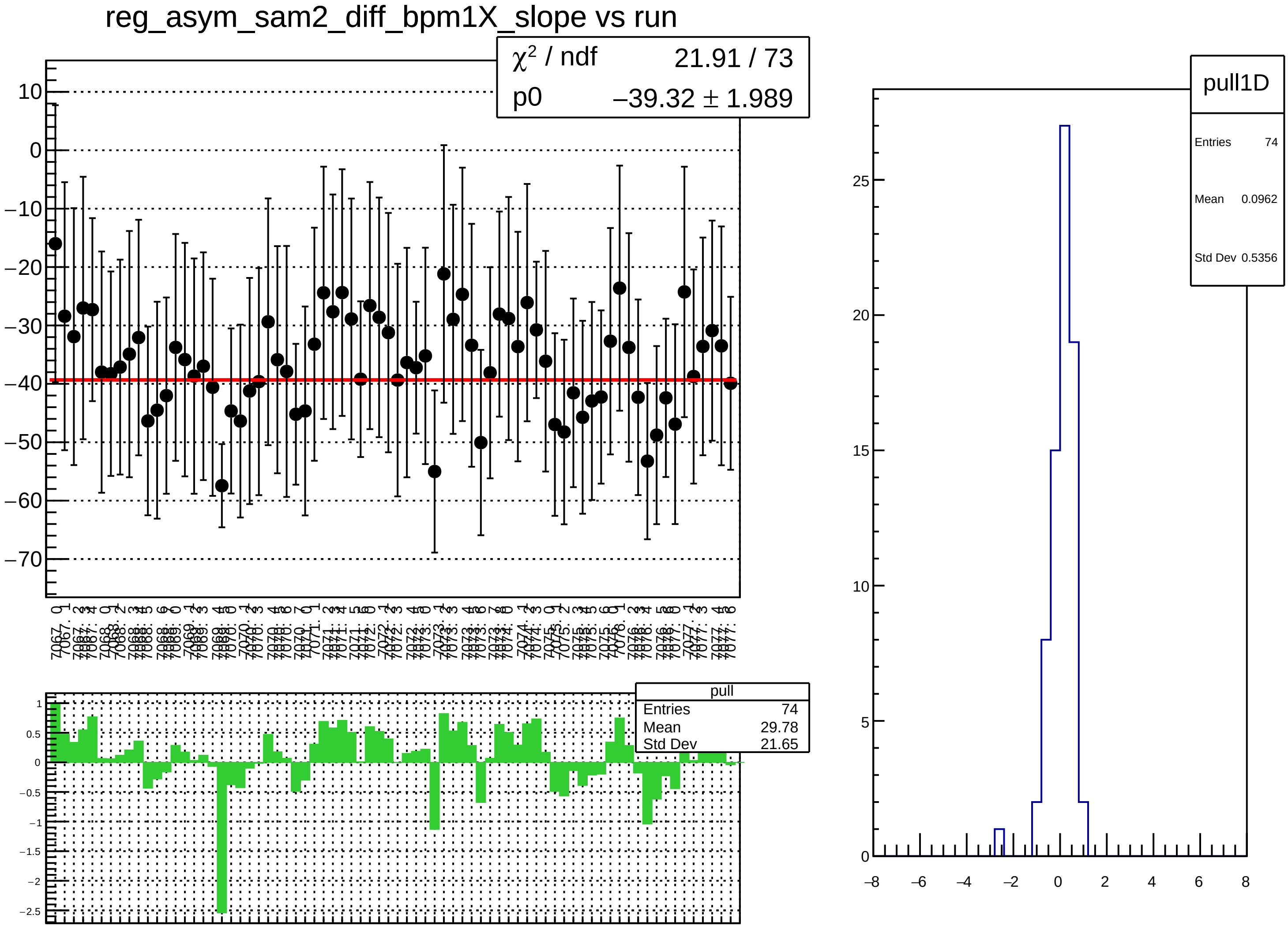
reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 118.9 / 73
p0 −6.329 ± 0.2905
pull
Entries 74
Mean 30.36
Std Dev 15.58
pull1D
Entries 74
Mean −0.2358
Std Dev 1.245



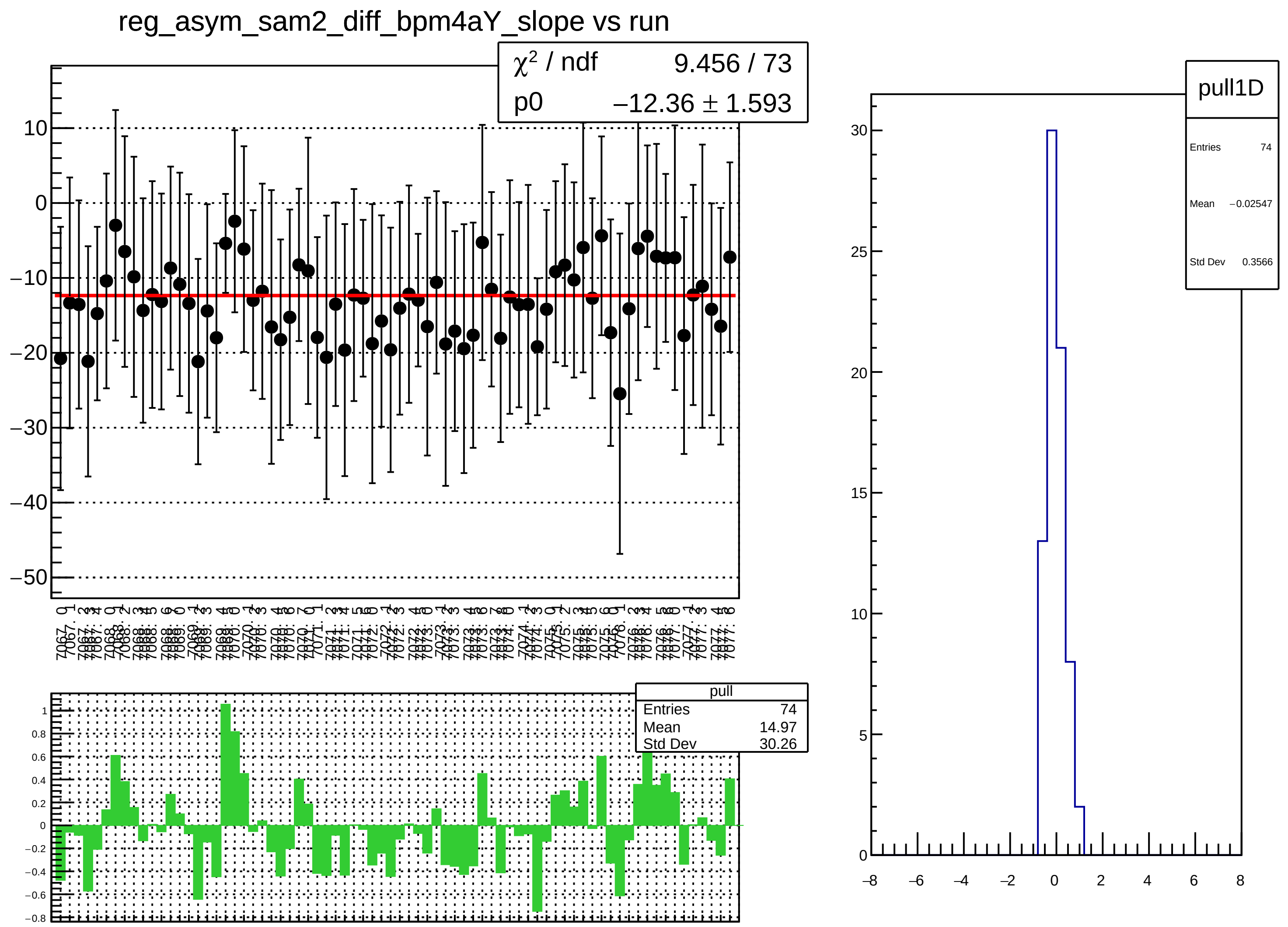
reg_asym_sam1_diff_bpm4eY_slope vs run
χ2 / ndf 42.56 / 73
p0 8.655 ± 0.2535
pull
Entries 74
Mean −98.04
Std Dev 135.2
pull1D
Entries 74
Mean 0.03789
Std Dev 0.7574



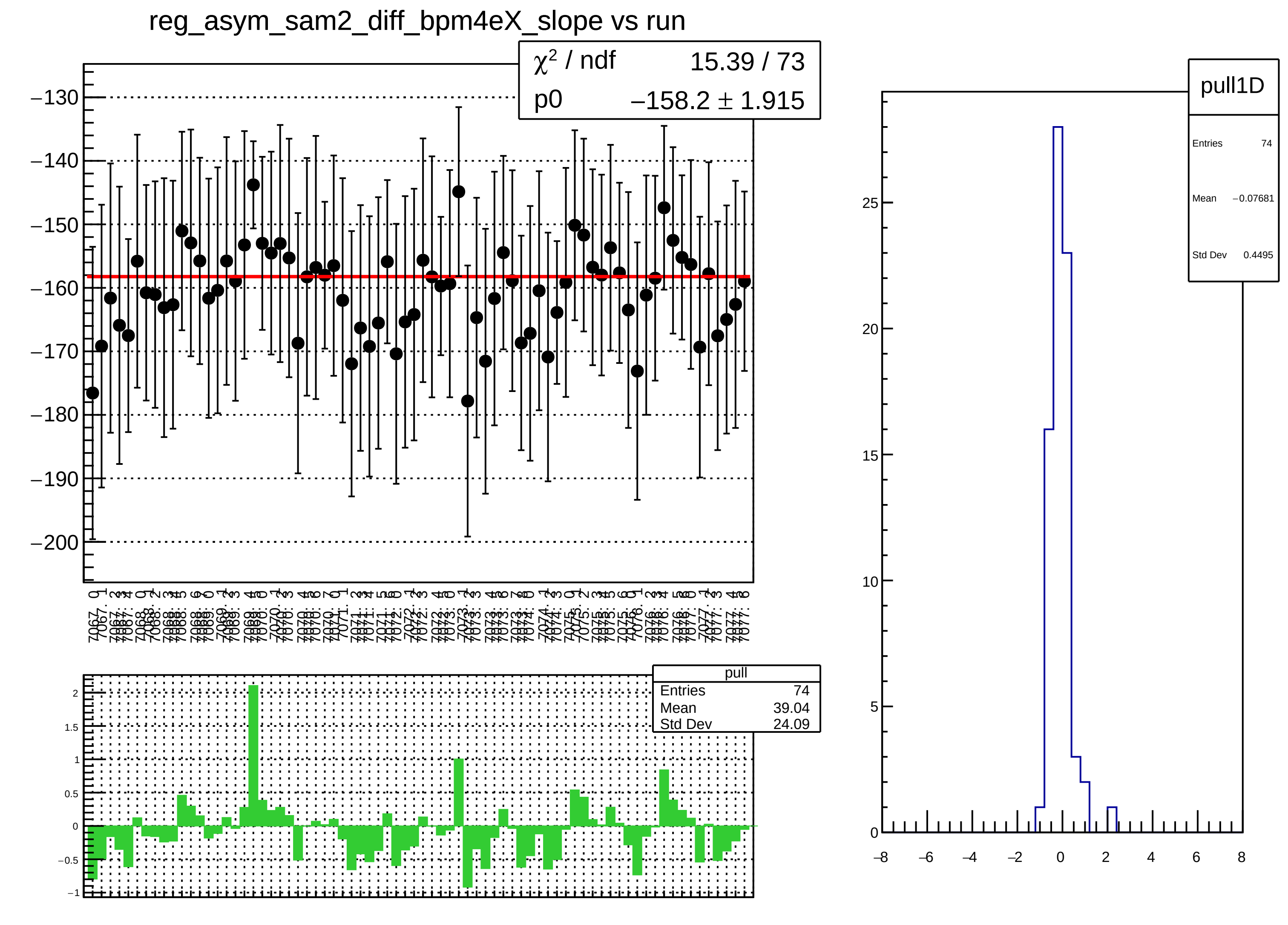
reg_asym_sam1_diff_bpm12X_slope vs run
χ2 / ndf 16.72 / 73
p0 0.4251± 0.01154
pull
Entries 74
Mean −169.3
Std Dev 202.7
pull1D
Entries 74
Mean 0.0263
Std Dev 0.4746



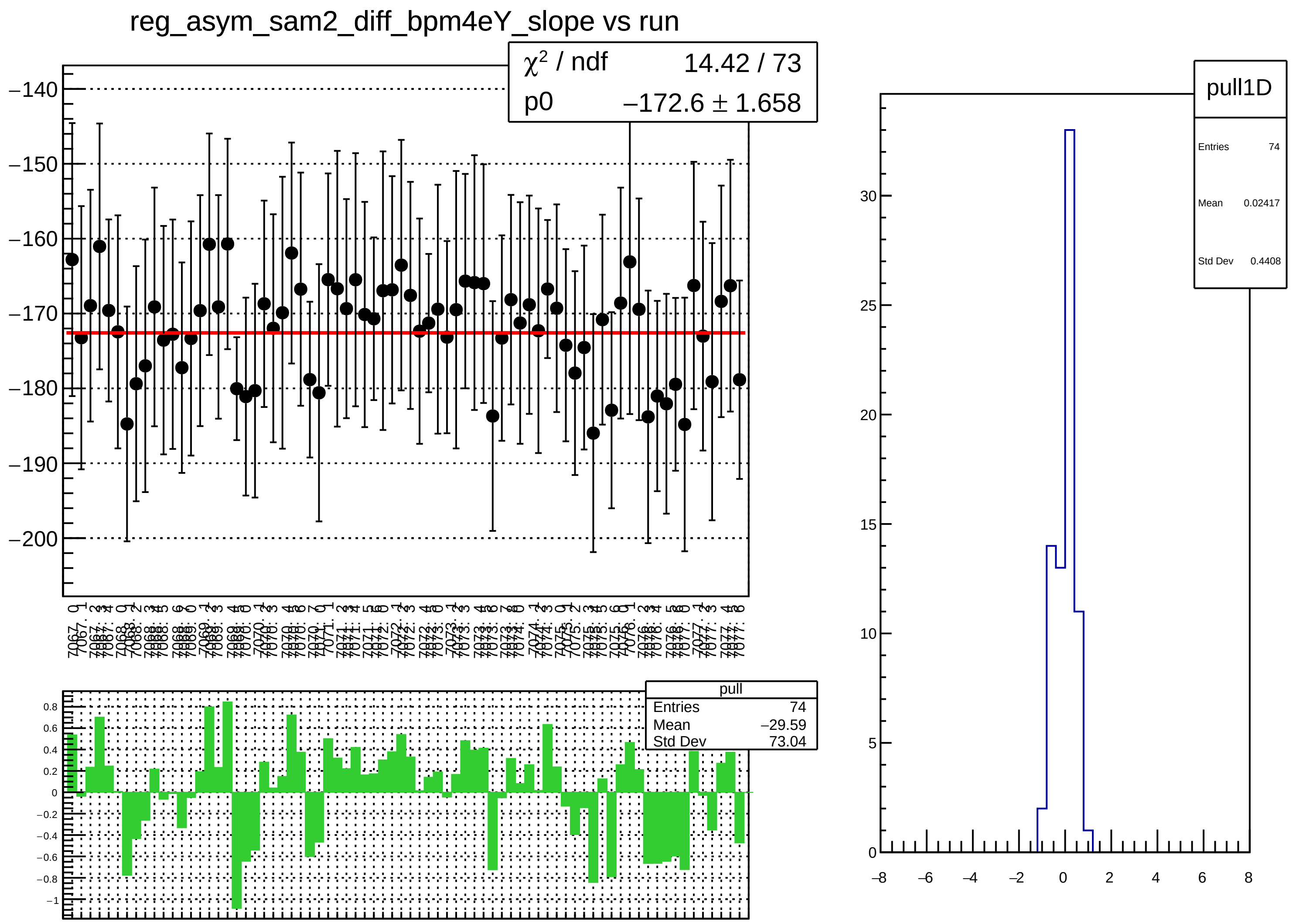
reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 21.91 / 73
p0 −39.32 ± 1.989
pull
Entries 74
Mean 29.78
Std Dev 21.65
pull1D
Entries 74
Mean 0.0962
Std Dev 0.5356



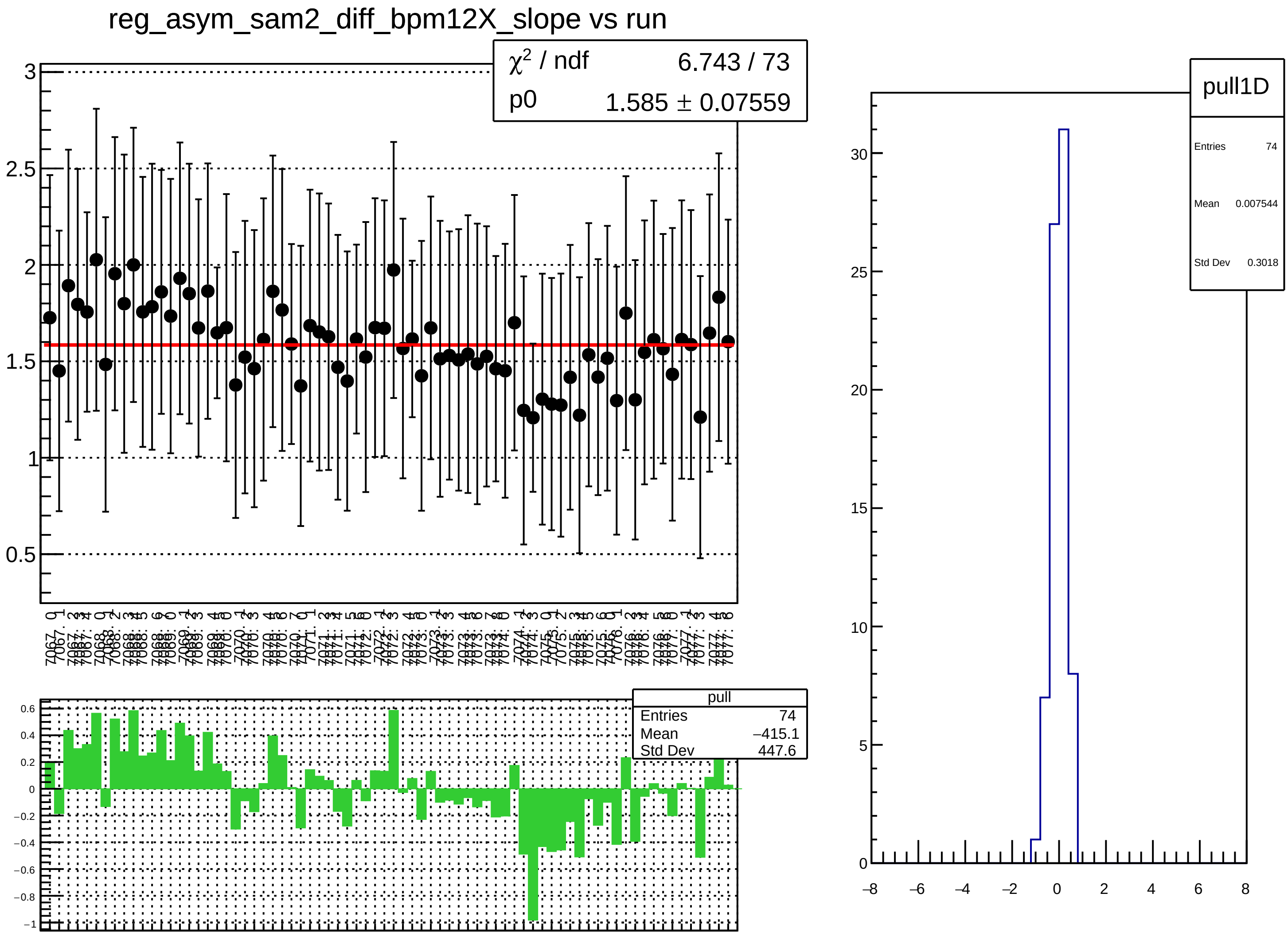
reg_asym_sam2_diff_bpm4aY_slope vs run
χ2 / ndf 9.456 / 73
p0 −12.36 ± 1.593
pull
Entries 74
Mean 14.97
Std Dev 30.26
pull1D
Entries 74
Mean −0.02547
Std Dev 0.3566



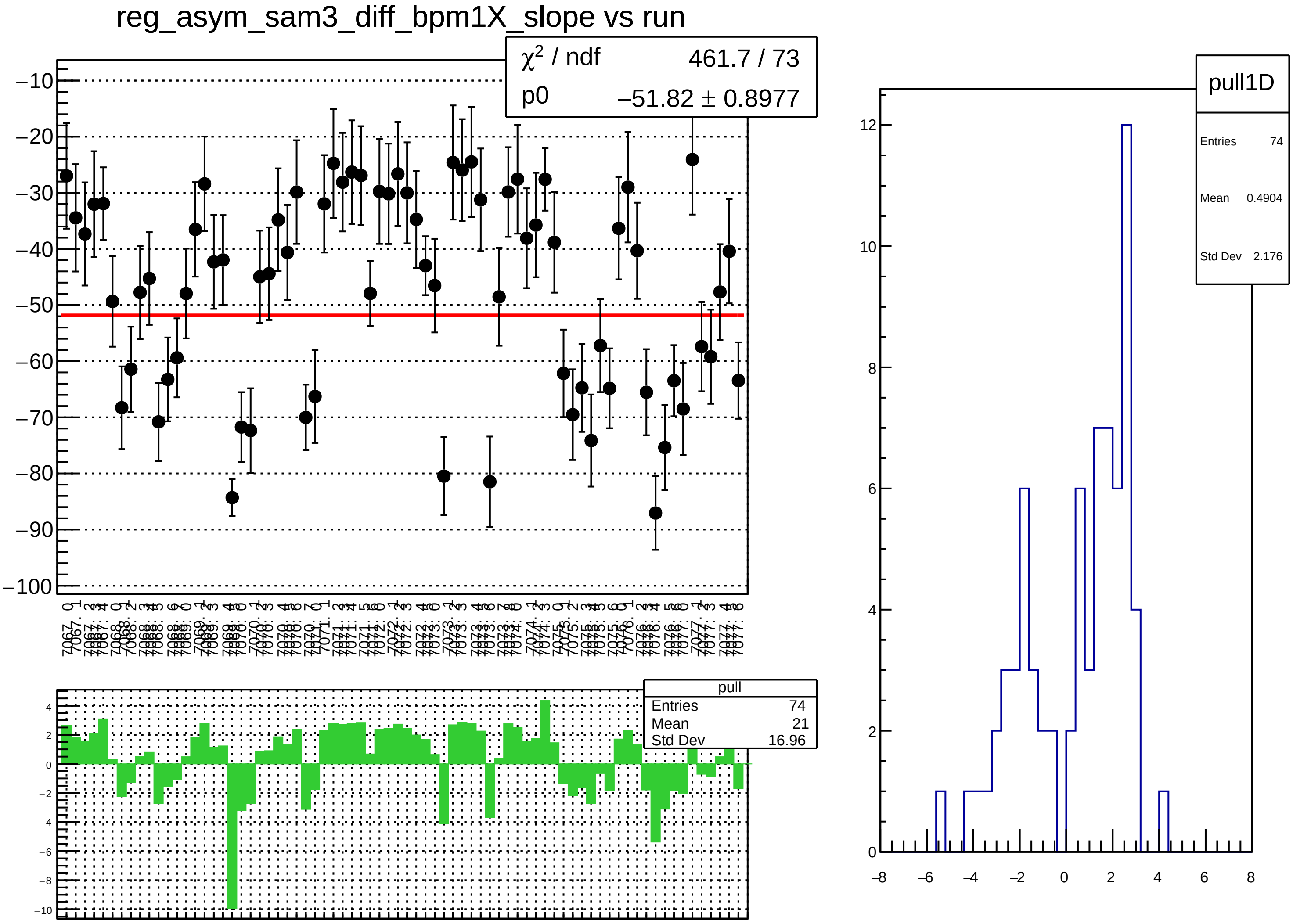
reg_asym_sam2_diff_bpm4eX_slope vs run
χ2 / ndf 15.39 / 73
p0 −158.2 ± 1.915
pull
Entries 74
Mean 39.04
Std Dev 24.09
pull1D
Entries 74
Mean −0.07681
Std Dev 0.4495



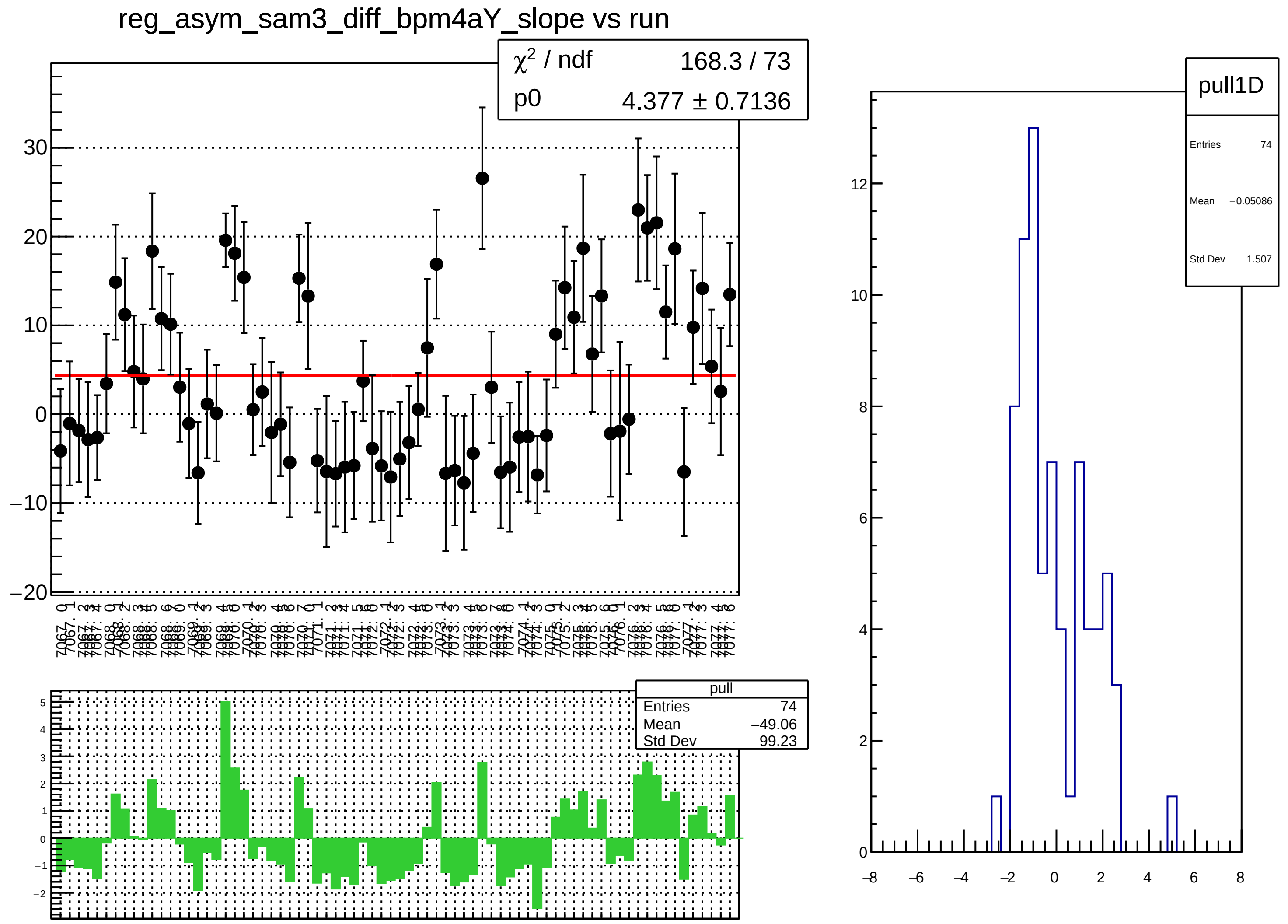
reg_asym_sam2_diff_bpm4eY_slope vs run
χ2 / ndf 14.42 / 73
p0 −172.6 ± 1.658
pull
Entries 74
Mean −29.59
Std Dev 73.04
pull1D
Entries 74
Mean 0.02417
Std Dev 0.4408



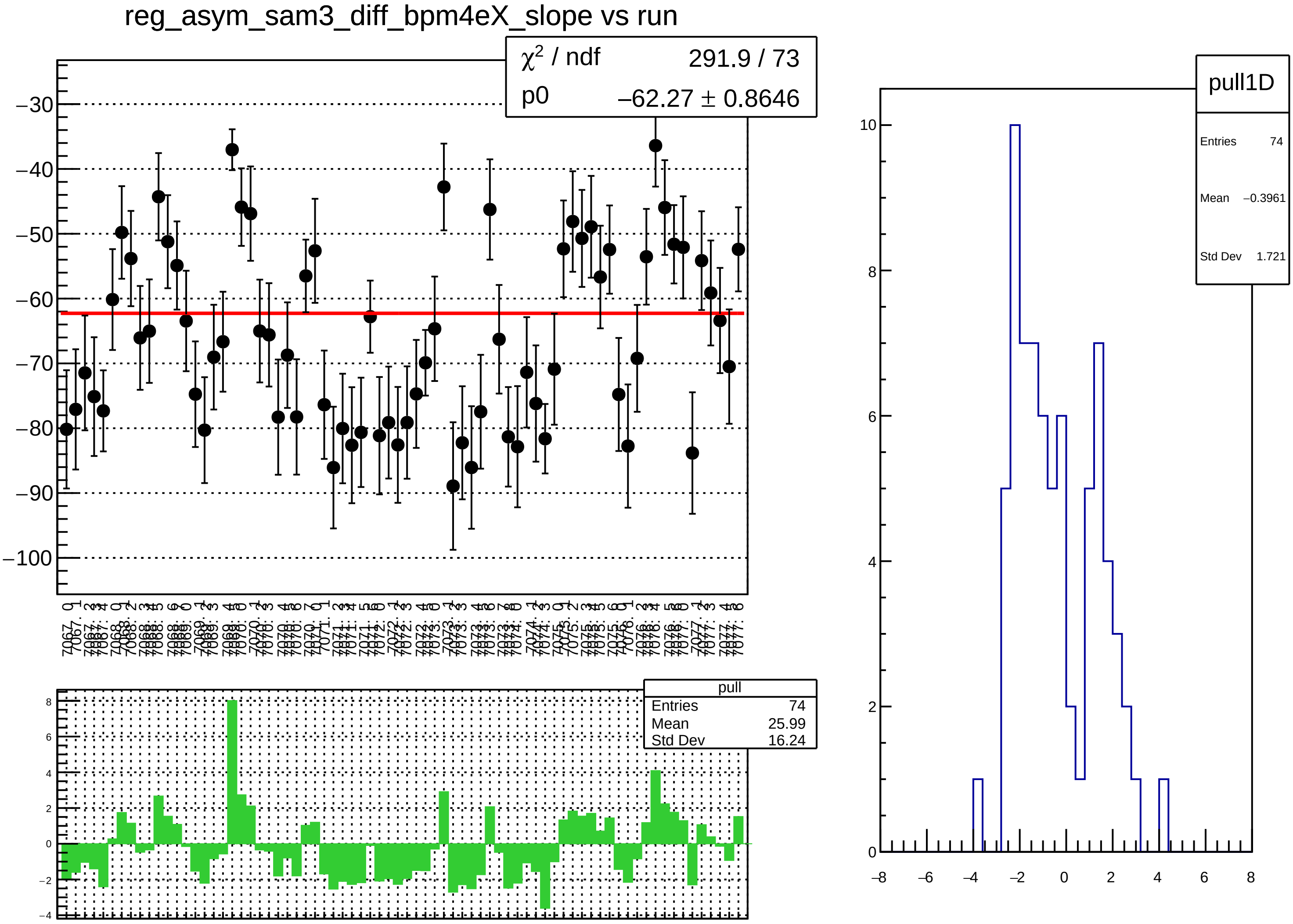
reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 6.743 / 73
p0 1.585 ± 0.07559
pull
Entries 74
Mean −415.1
Std Dev 447.6
pull1D
Entries 74
Mean 0.007544
Std Dev 0.3018



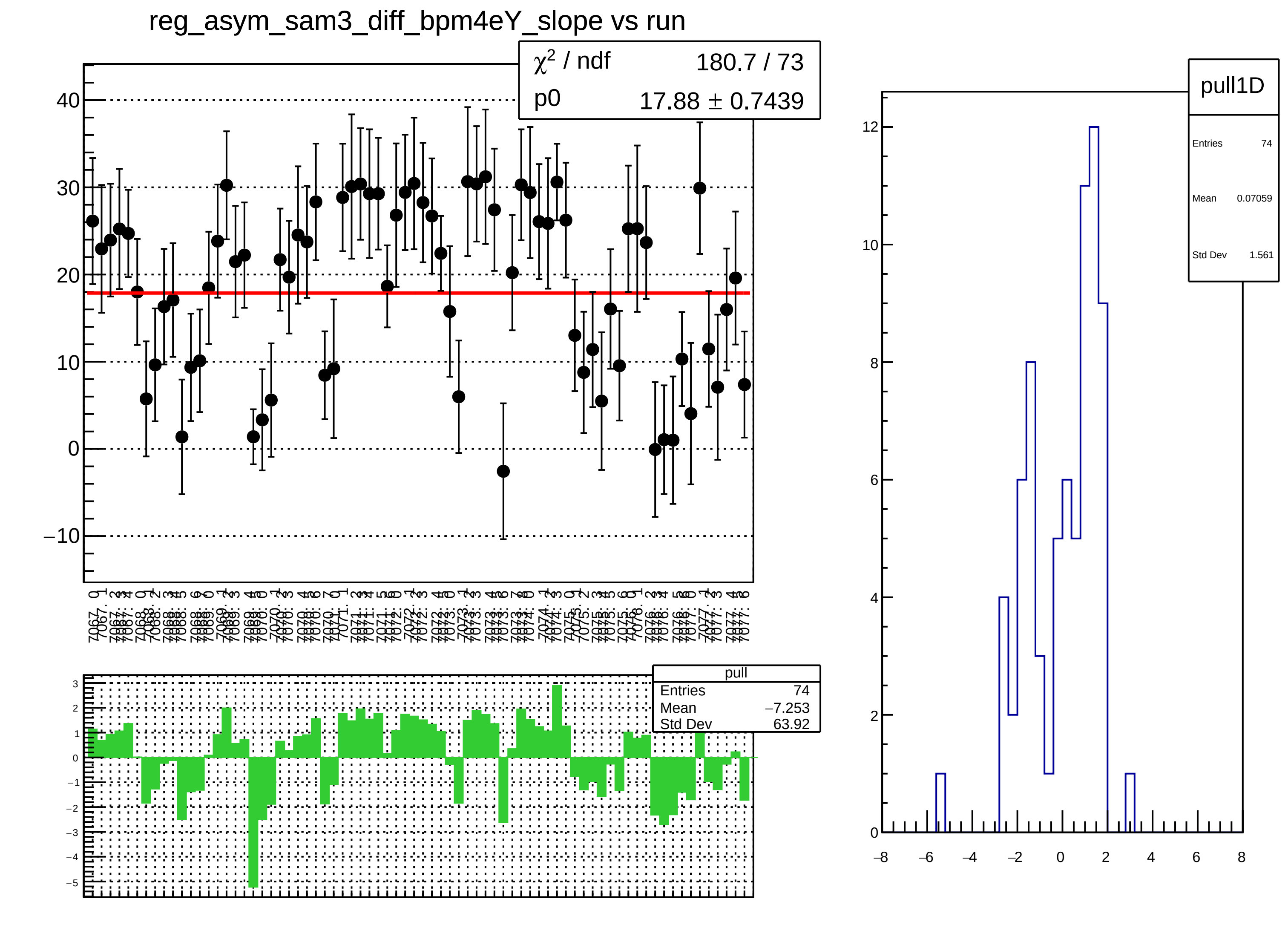
reg_asym_sam3_diff_bpm1X_slope vs run
χ2 / ndf 461.7 / 73
p0 −51.82 ± 0.8977
pull
Entries 74
Mean 21
Std Dev 16.96
pull1D
Entries 74
Mean 0.4904
Std Dev 2.176



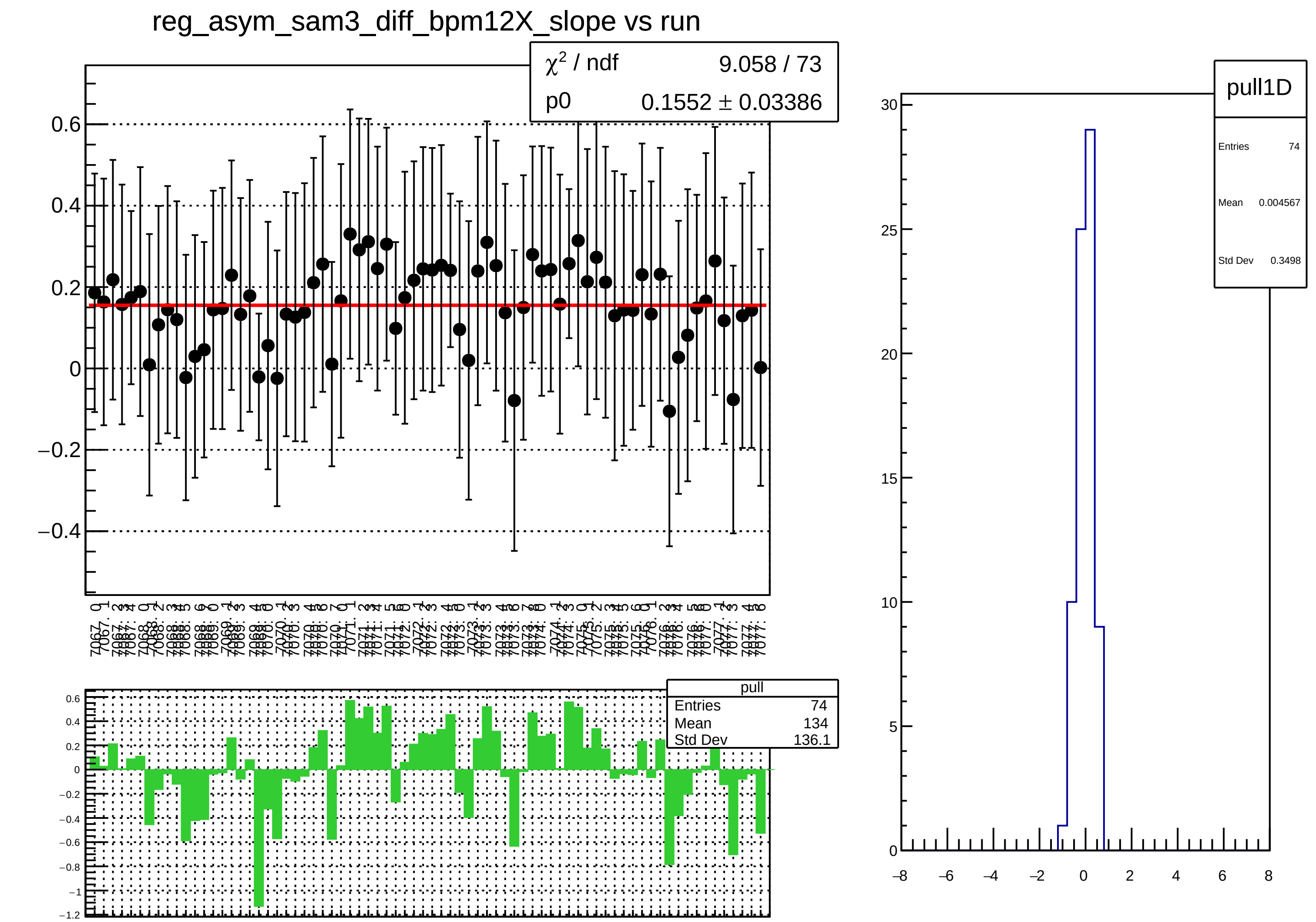
reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 168.3 / 73
p0 4.377 ± 0.7136
pull
Entries 74
Mean −49.06
Std Dev 99.23
pull1D
Entries 74
Mean −0.05086
Std Dev 1.507



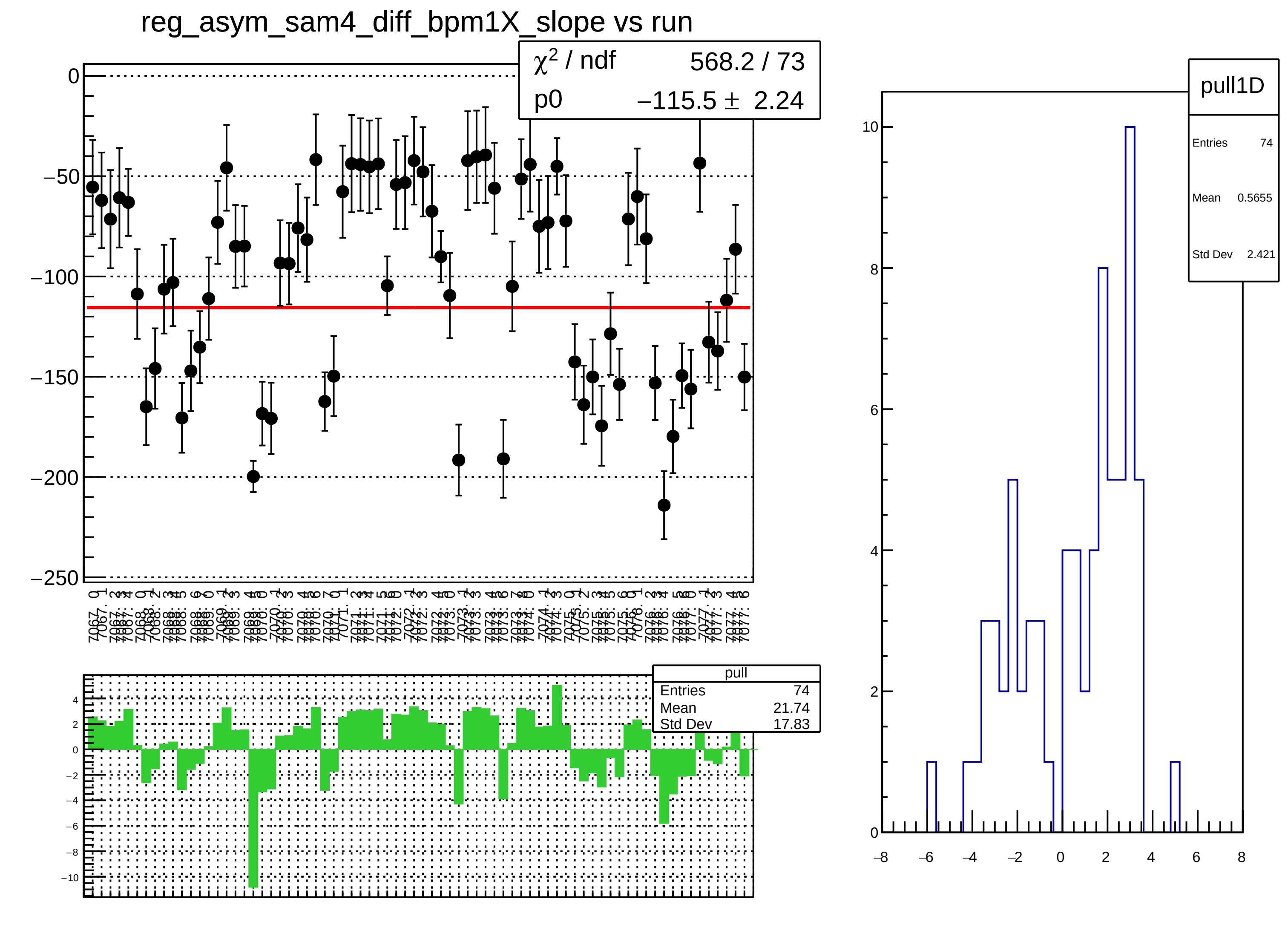
reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 291.9 / 73
p0 −62.27 ± 0.8646
pull
Entries 74
Mean 25.99
Std Dev 16.24
pull1D
Entries 74
Mean −0.3961
Std Dev 1.721

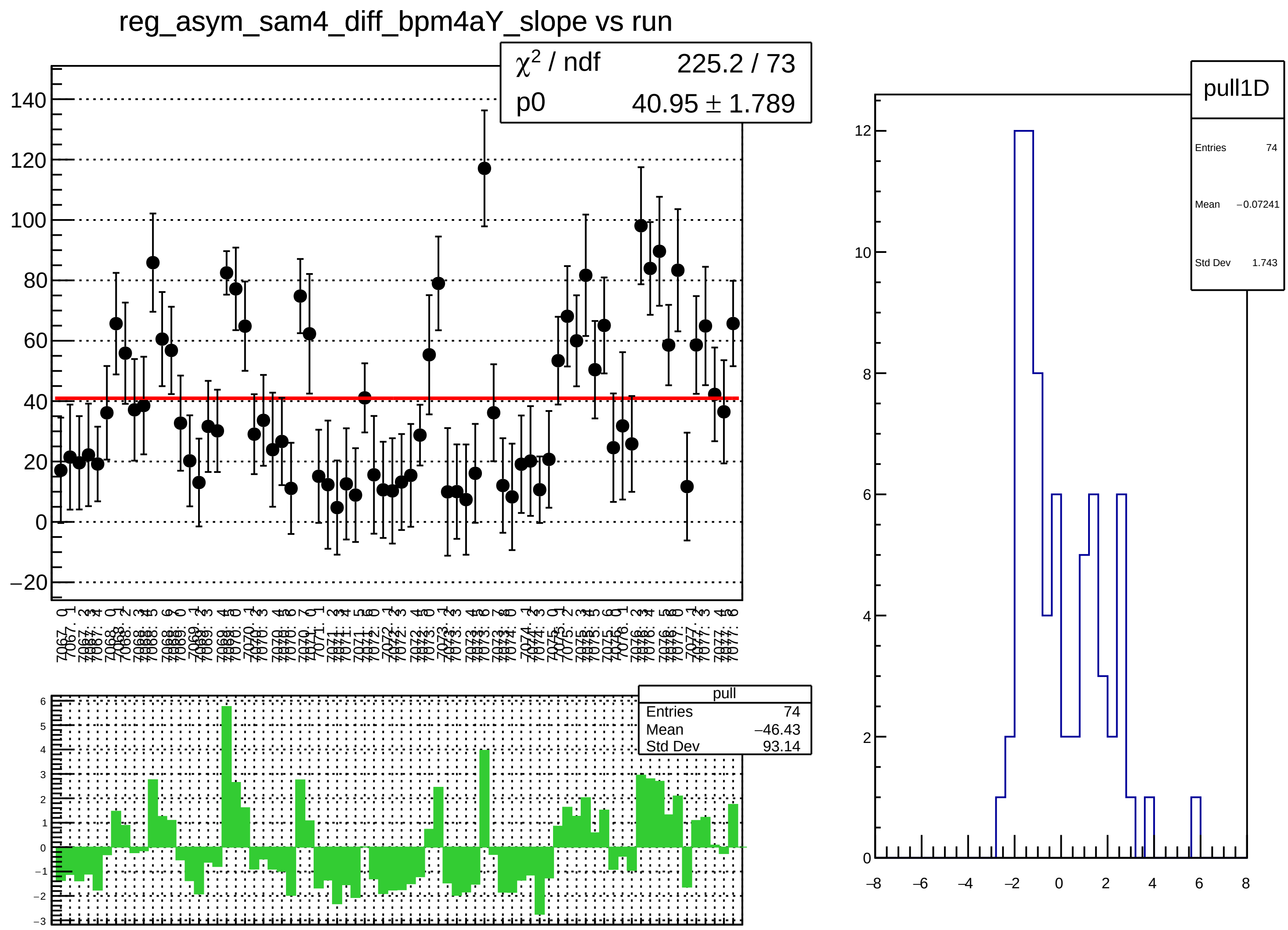


reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 180.7 / 73
p0 17.88 ± 0.7439
pull
Entries 74
Mean −7.253
Std Dev 63.92
pull1D
Entries 74
Mean 0.07059
Std Dev 1.561

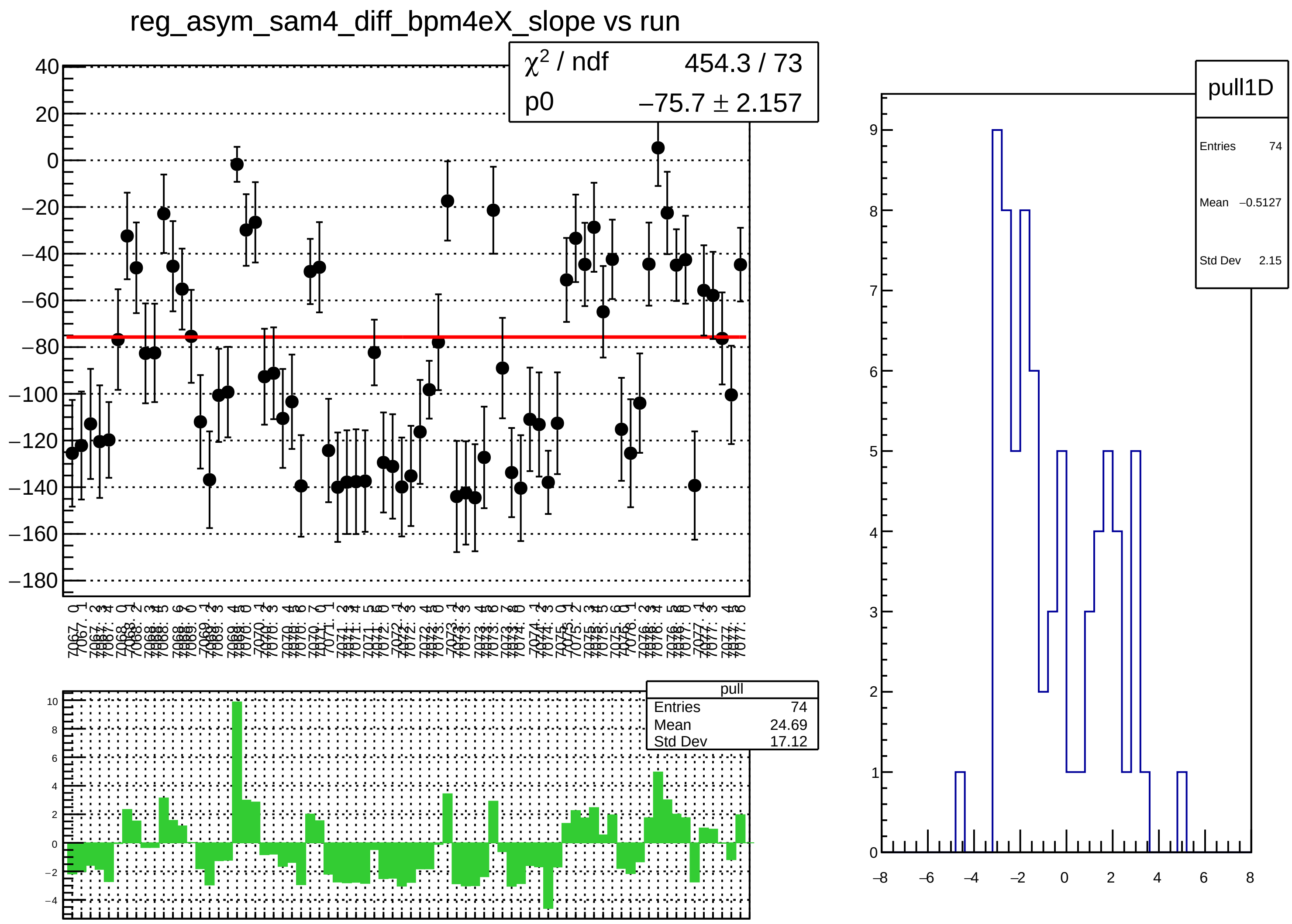


reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 9.058 / 73
p0 0.1552 ± 0.03386
pull
Entries 74
Mean 134
Std Dev 136.1
pull1D
Entries 74
Mean 0.004567
Std Dev 0.3498

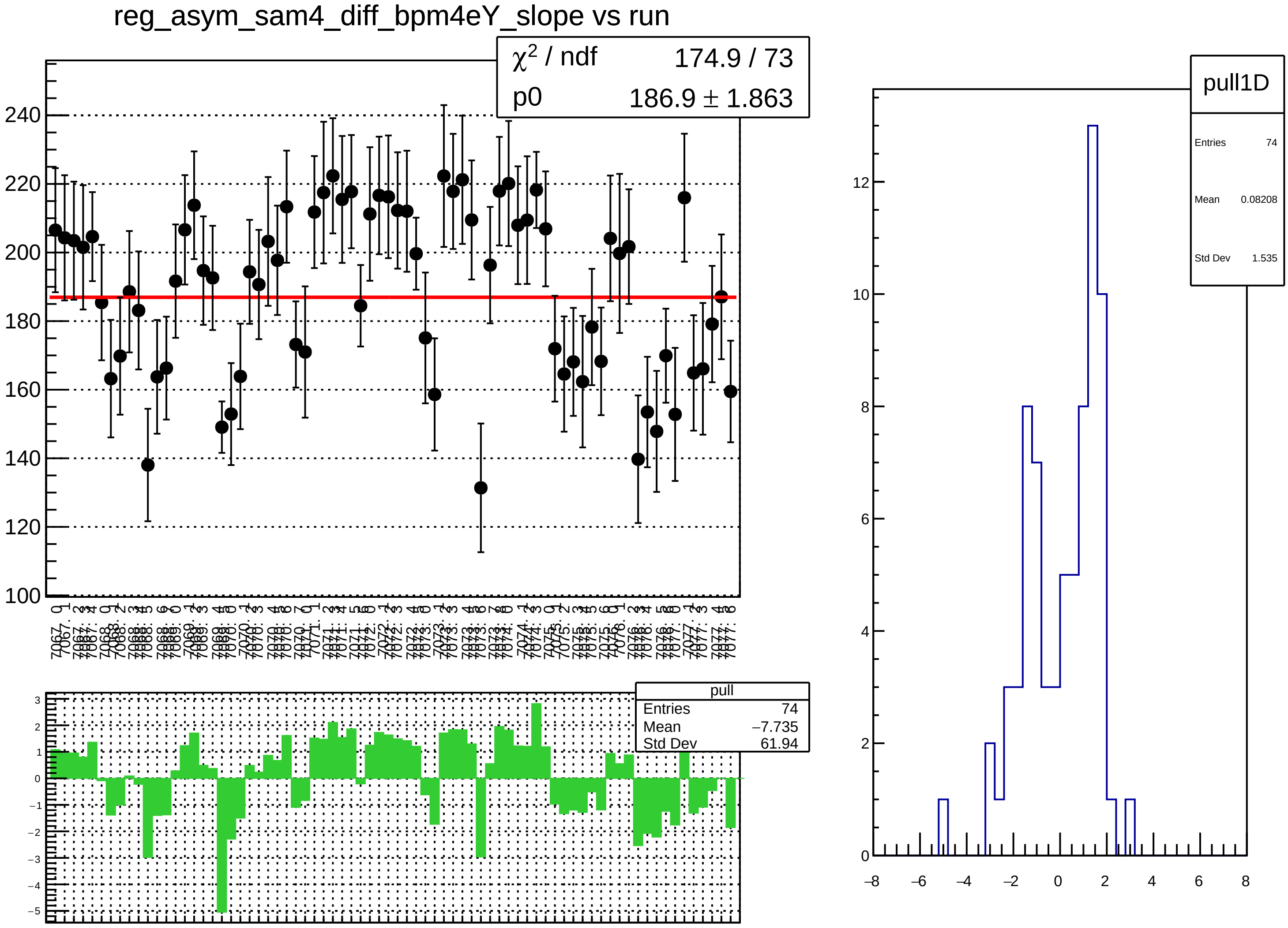

reg_asym_sam4_diff_bpm1X_slope vs run
χ2 / ndf 568.2 / 73
p0 −115.5 ± 2.24
pull
Entries 74
Mean 21.74
Std Dev 17.83
pull1D
Entries 74
Mean 0.5655
Std Dev 2.421



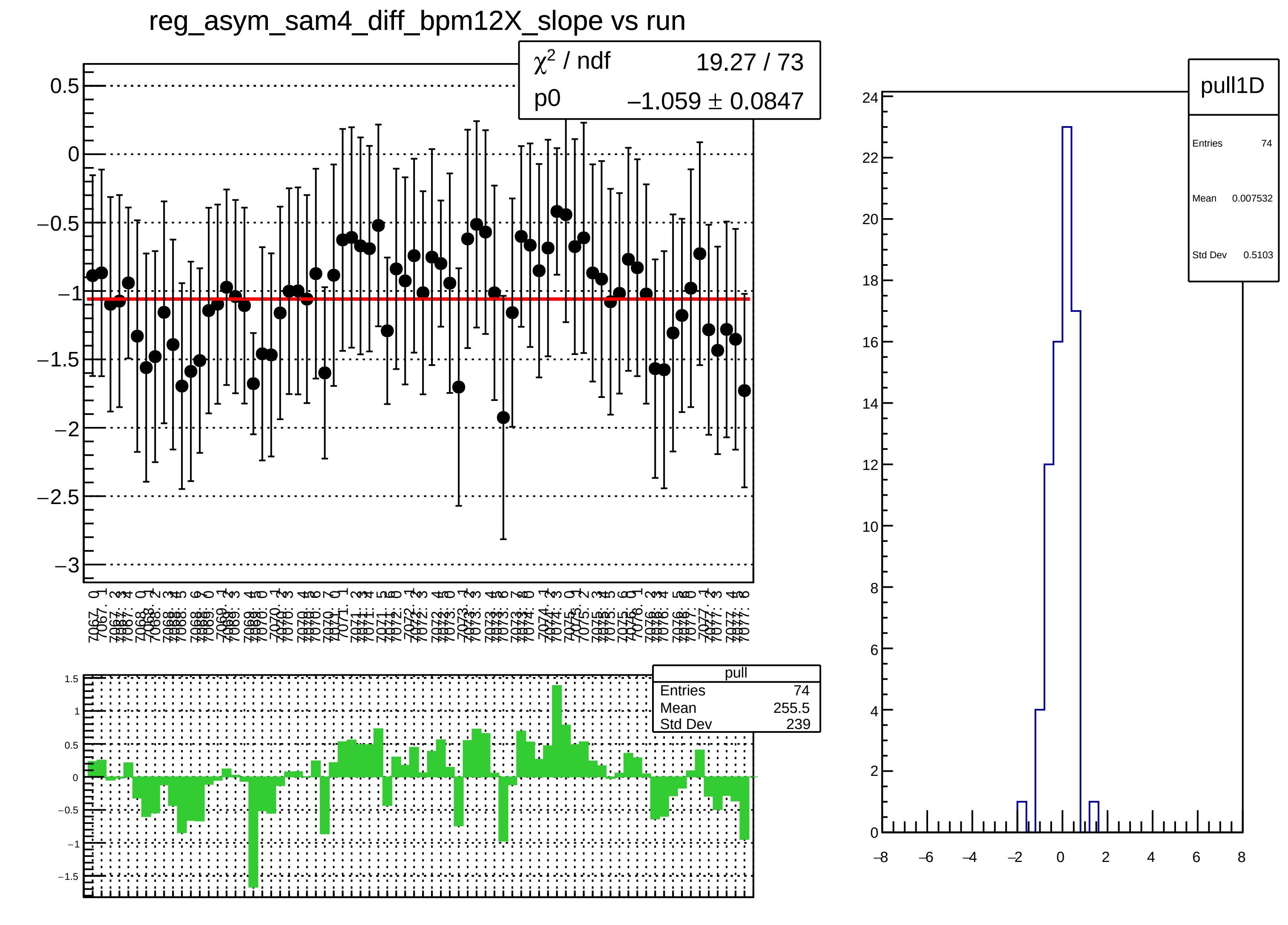
reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 225.2 / 73
p0 40.95 ± 1.789
pull
Entries 74
Mean −46.43
Std Dev 93.14
pull1D
Entries 74
Mean −0.07241
Std Dev 1.743



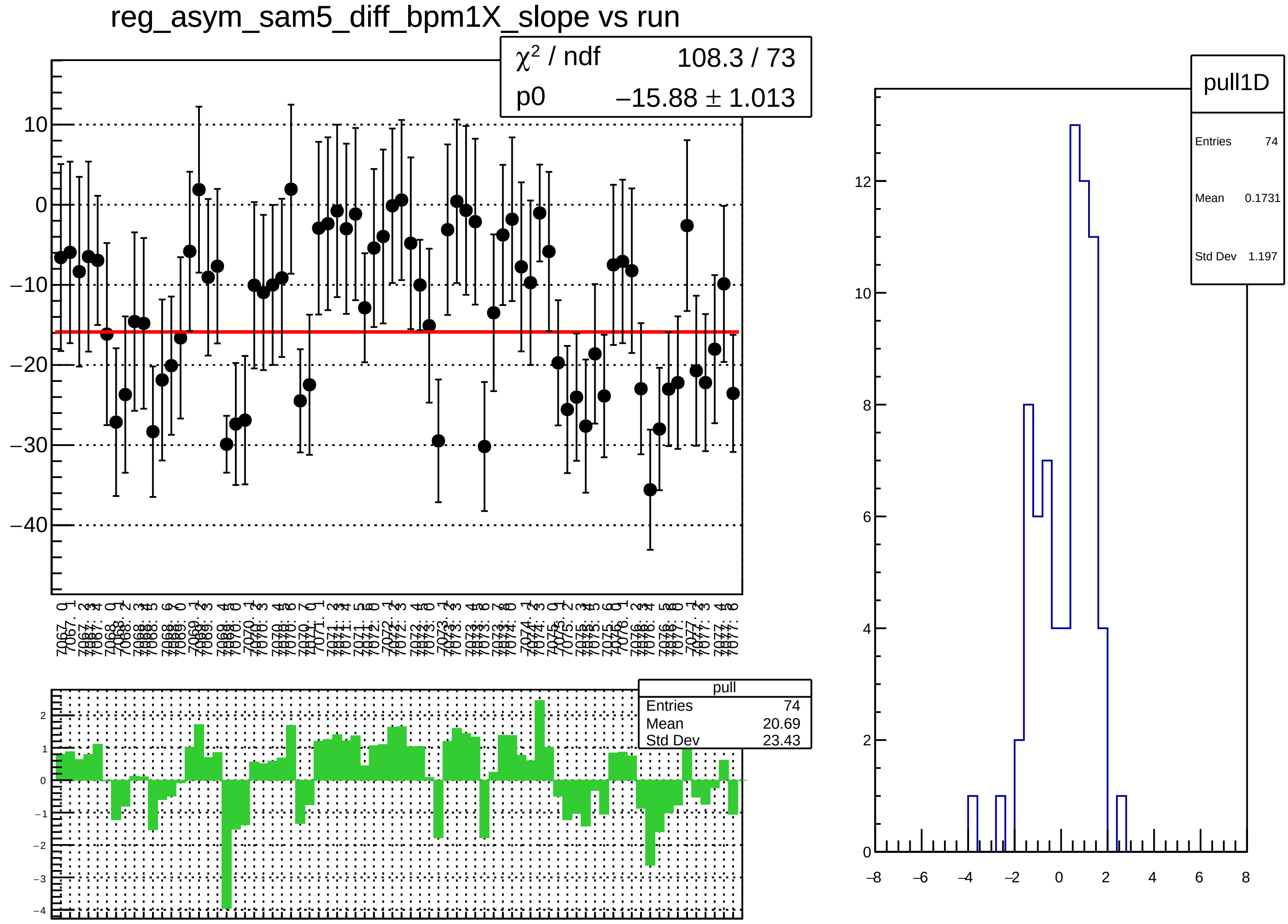
reg_asym_sam4_diff_bpm4eX_slope vs run
χ2 / ndf 454.3 / 73
p0 −75.7 ± 2.157
pull
Entries 74
Mean 24.69
Std Dev 17.12
pull1D
Entries 74
Mean −0.5127
Std Dev 2.15



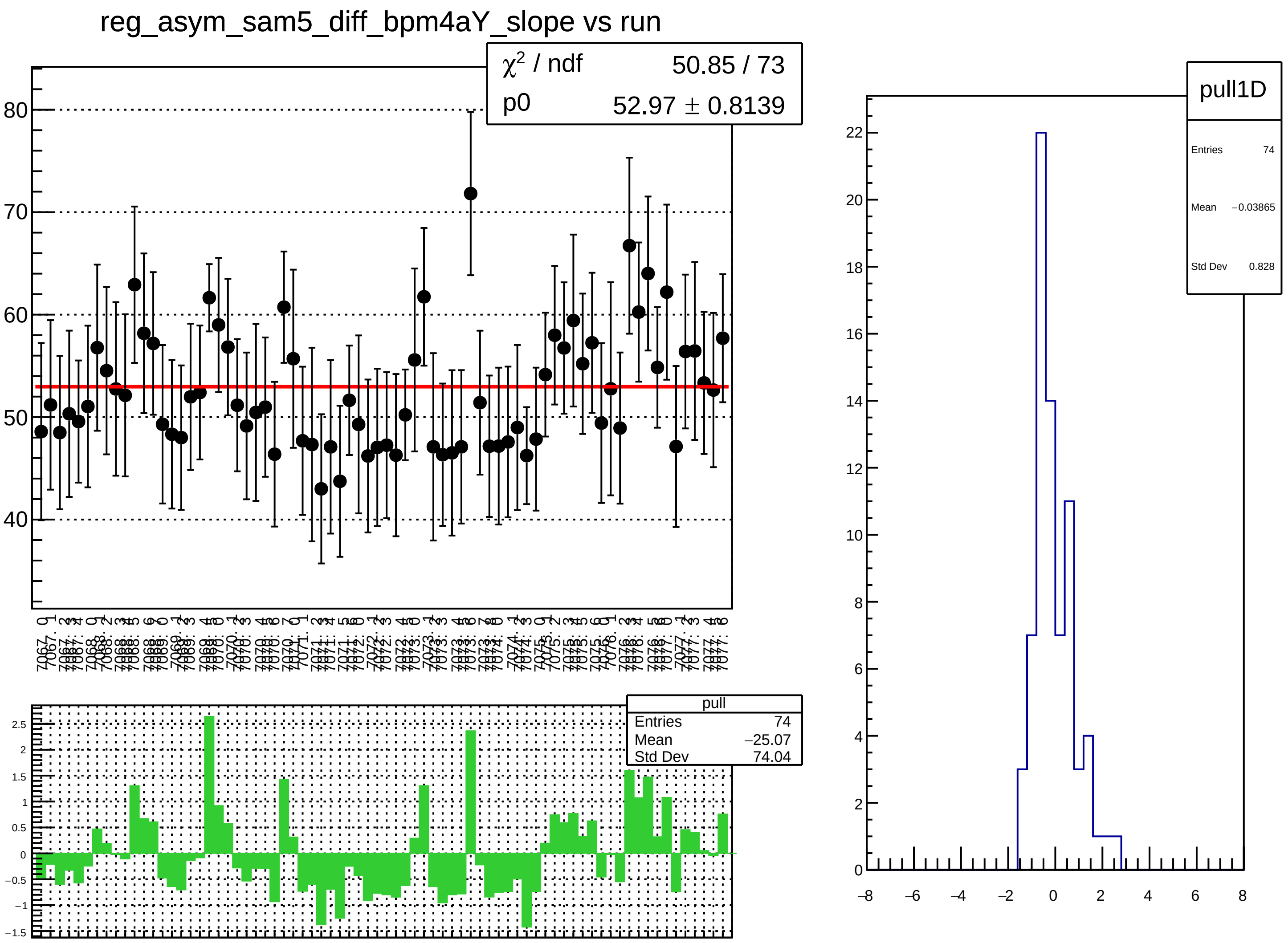
reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 174.9 / 73
p0 186.9 ± 1.863
pull
Entries 74
Mean −7.735
Std Dev 61.94
pull1D
Entries 74
Mean 0.08208
Std Dev 1.535



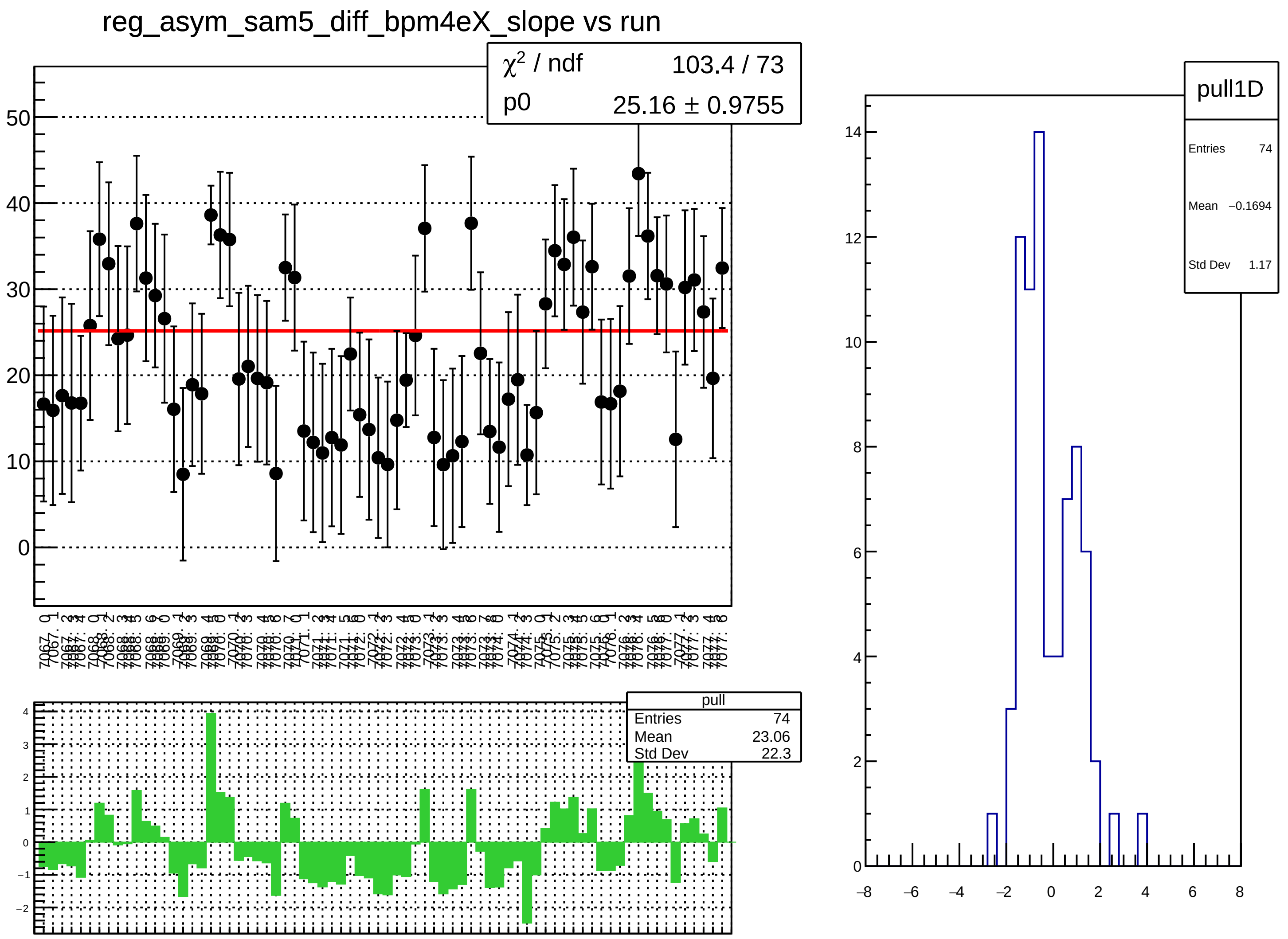
reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 19.27 / 73
p0 −1.059 ± 0.0847
pull
Entries 74
Mean 255.5
Std Dev 239
pull1D
Entries 74
Mean 0.007532
Std Dev 0.5103



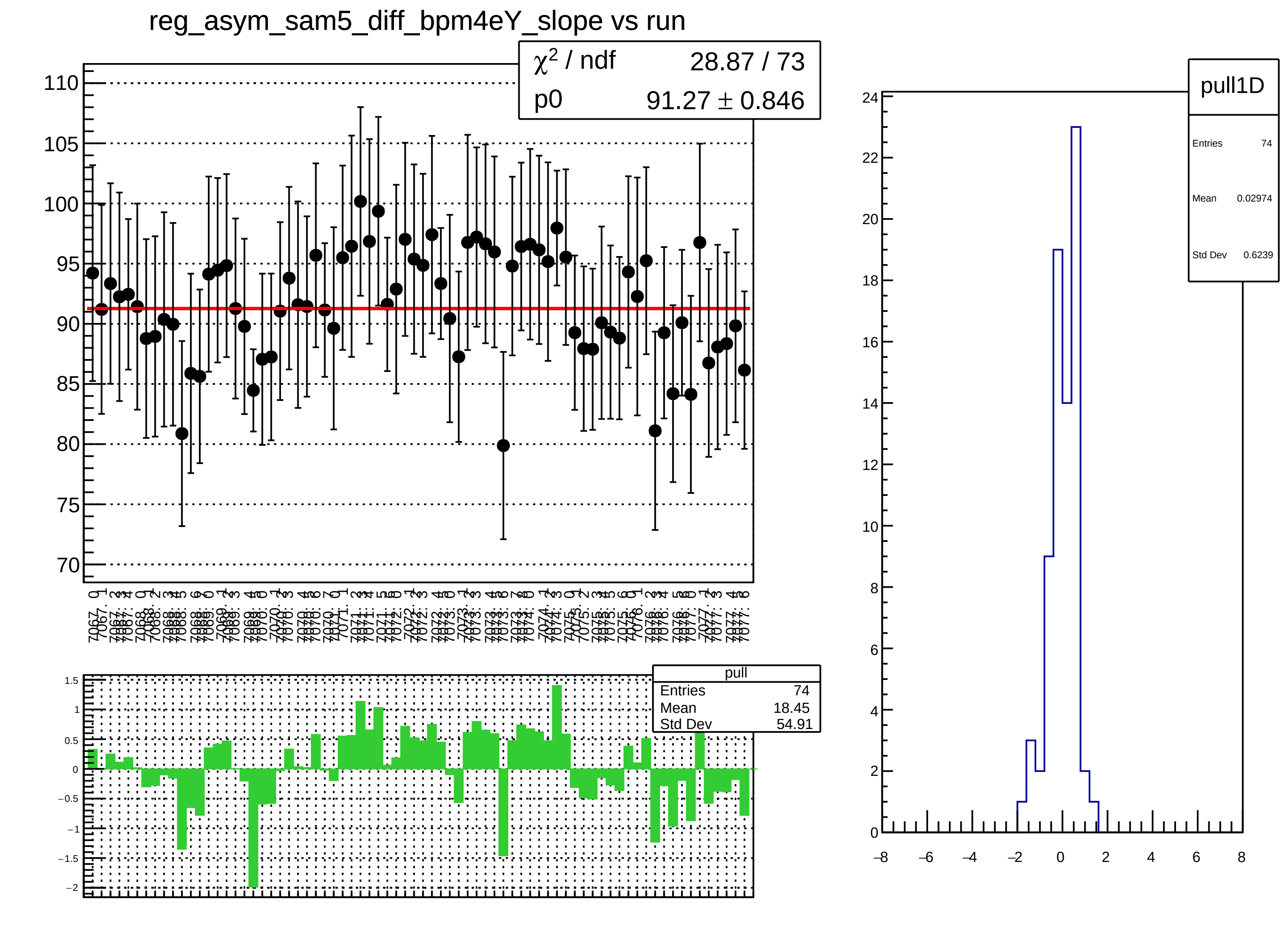
reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 108.3 / 73
p0 −15.88 ± 1.013
pull
Entries 74
Mean 20.69
Std Dev 23.43
pull1D
Entries 74
Mean 0.1731
Std Dev 1.197



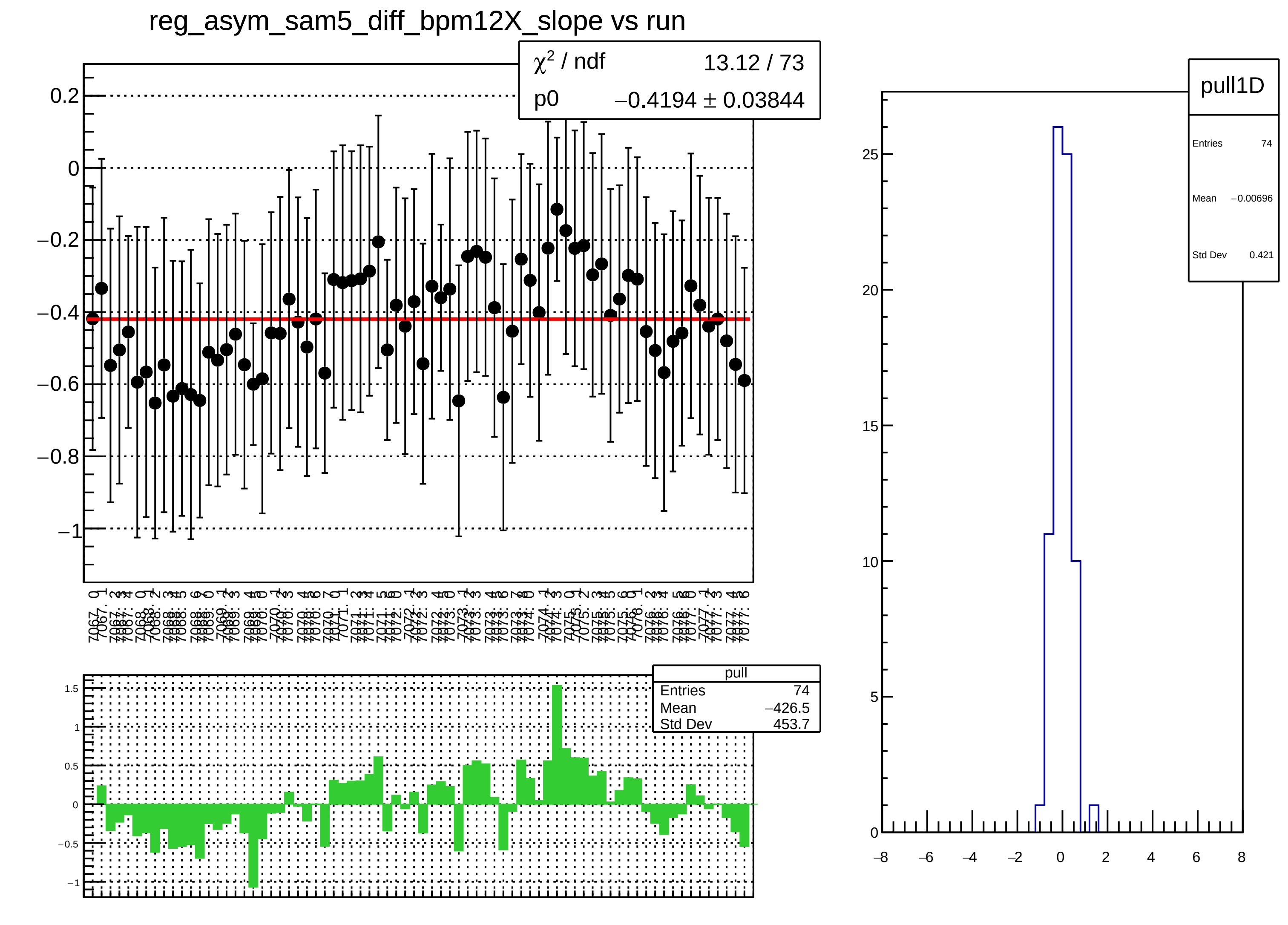
reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 50.85 / 73
p0 52.97 ± 0.8139
pull
Entries 74
Mean −25.07
Std Dev 74.04
pull1D
Entries 74
Mean −0.03865
Std Dev 0.828

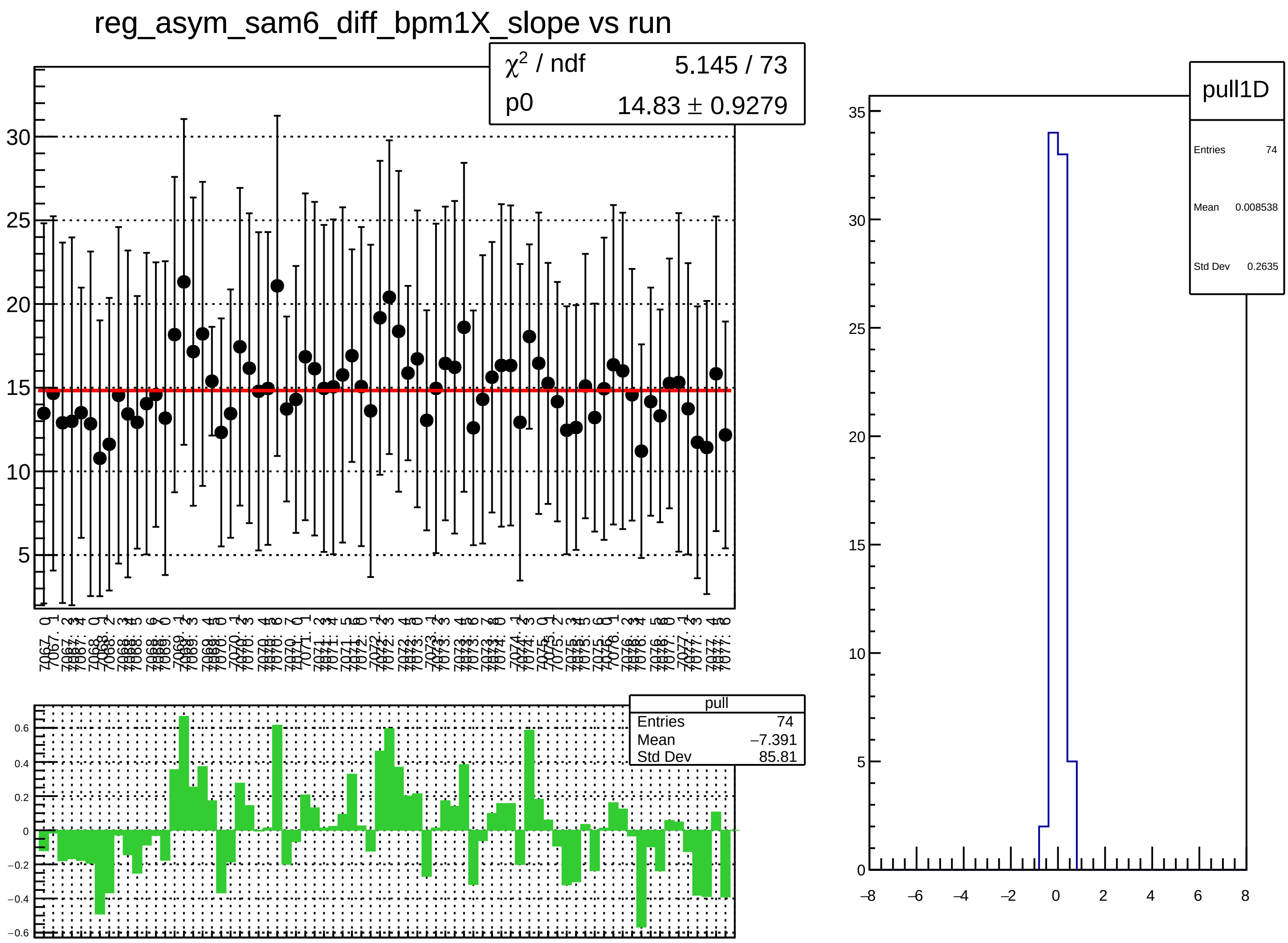


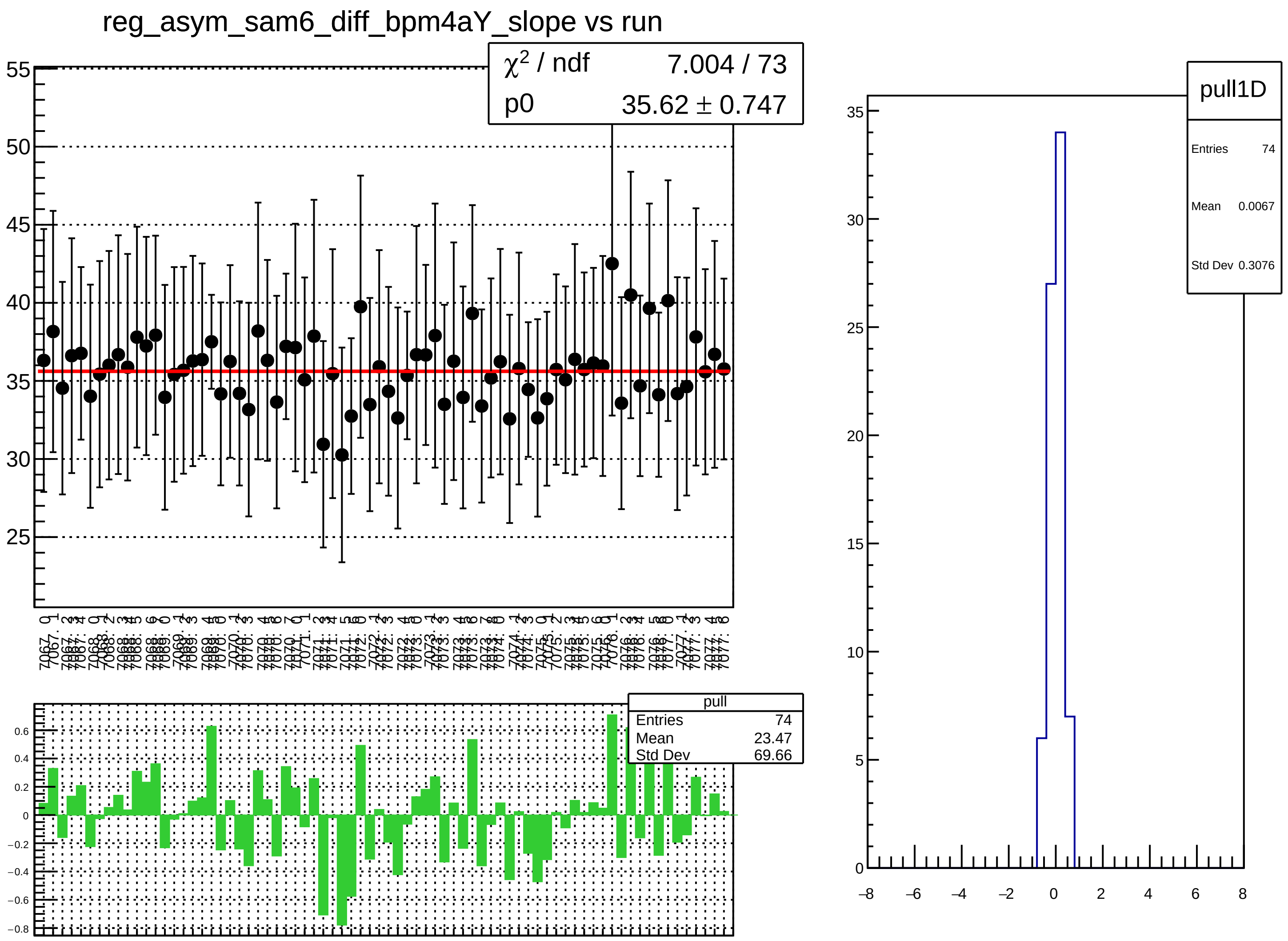
reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 103.4 / 73
p0 25.16 ± 0.9755
pull
Entries 74
Mean 23.06
Std Dev 22.3
pull1D
Entries 74
Mean −0.1694
Std Dev 1.17



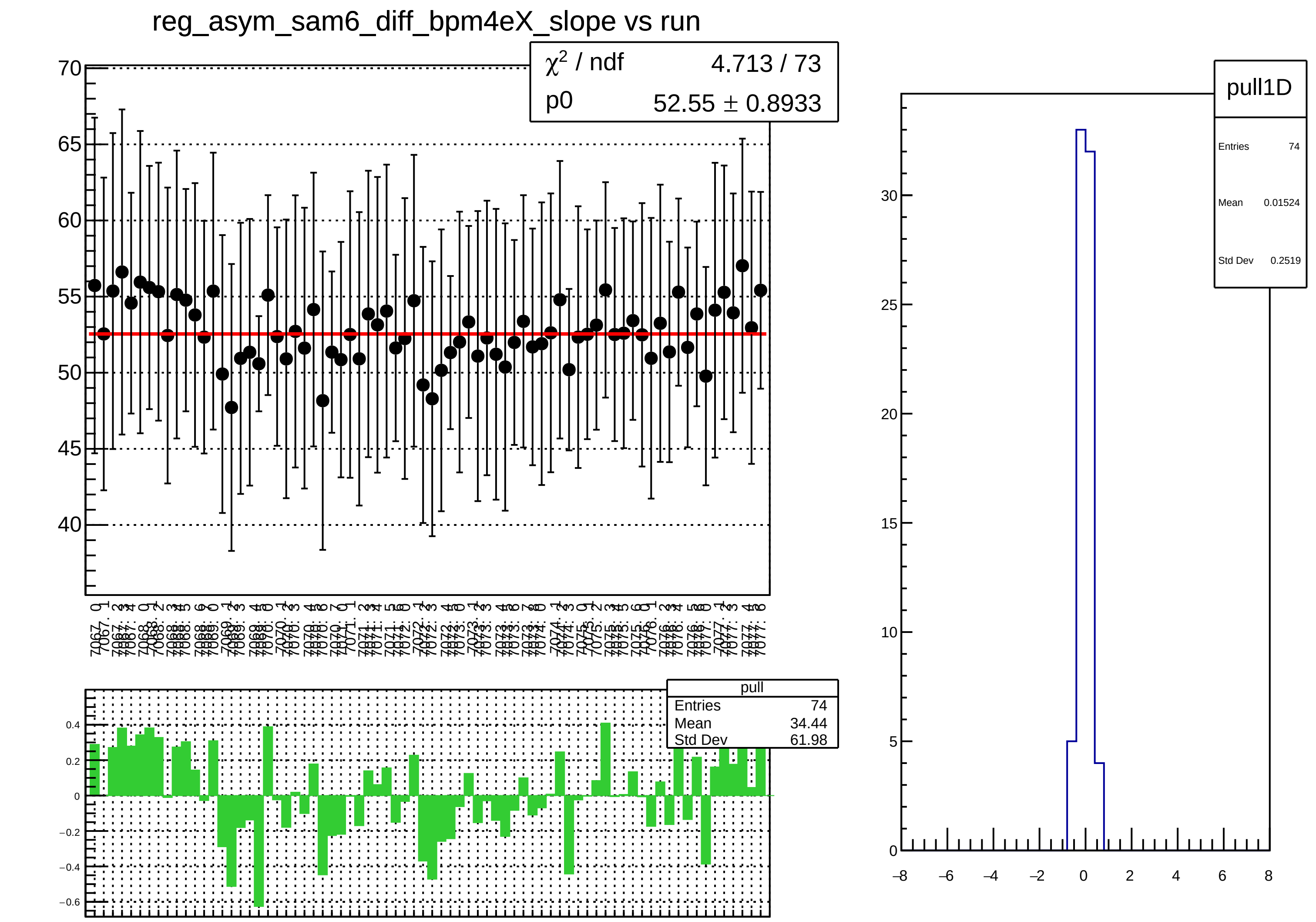
reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 28.87 / 73
p0 91.27 ± 0.846
pull
Entries 74
Mean 18.45
Std Dev 54.91
pull1D
Entries 74
Mean 0.02974
Std Dev 0.6239

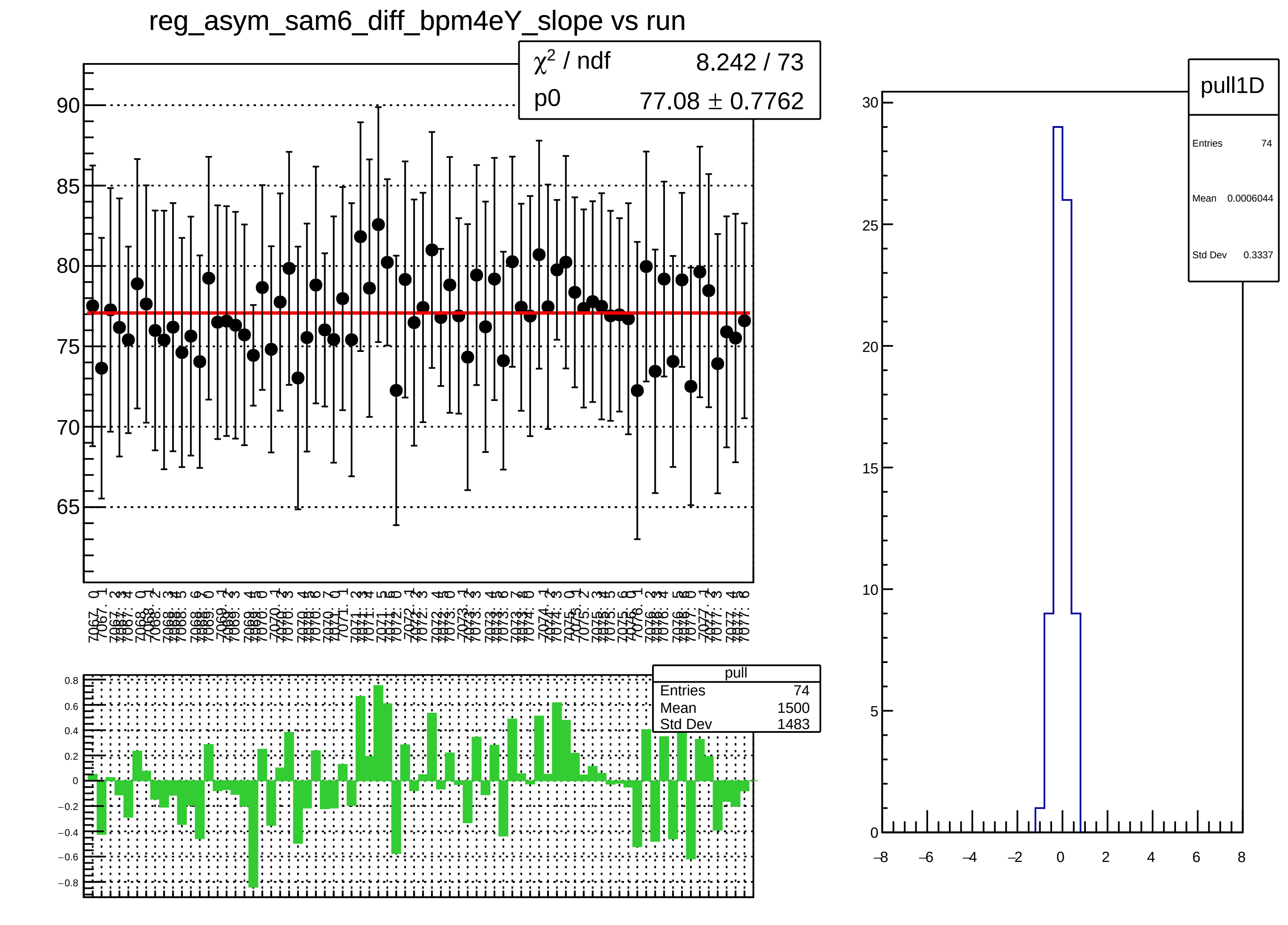

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 13.12 / 73
p0 −0.4194 ± 0.03844
pull
Entries 74
Mean −426.5
Std Dev 453.7
pull1D
Entries 74
Mean −0.00696
Std Dev 0.421


reg_asym_sam6_diff_bpm1X_slope vs run
χ2 / ndf 5.145 / 73
p0 14.83 ± 0.9279
pull
Entries 74
Mean −7.391
Std Dev 85.81
pull1D
Entries 74
Mean 0.008538
Std Dev 0.2635

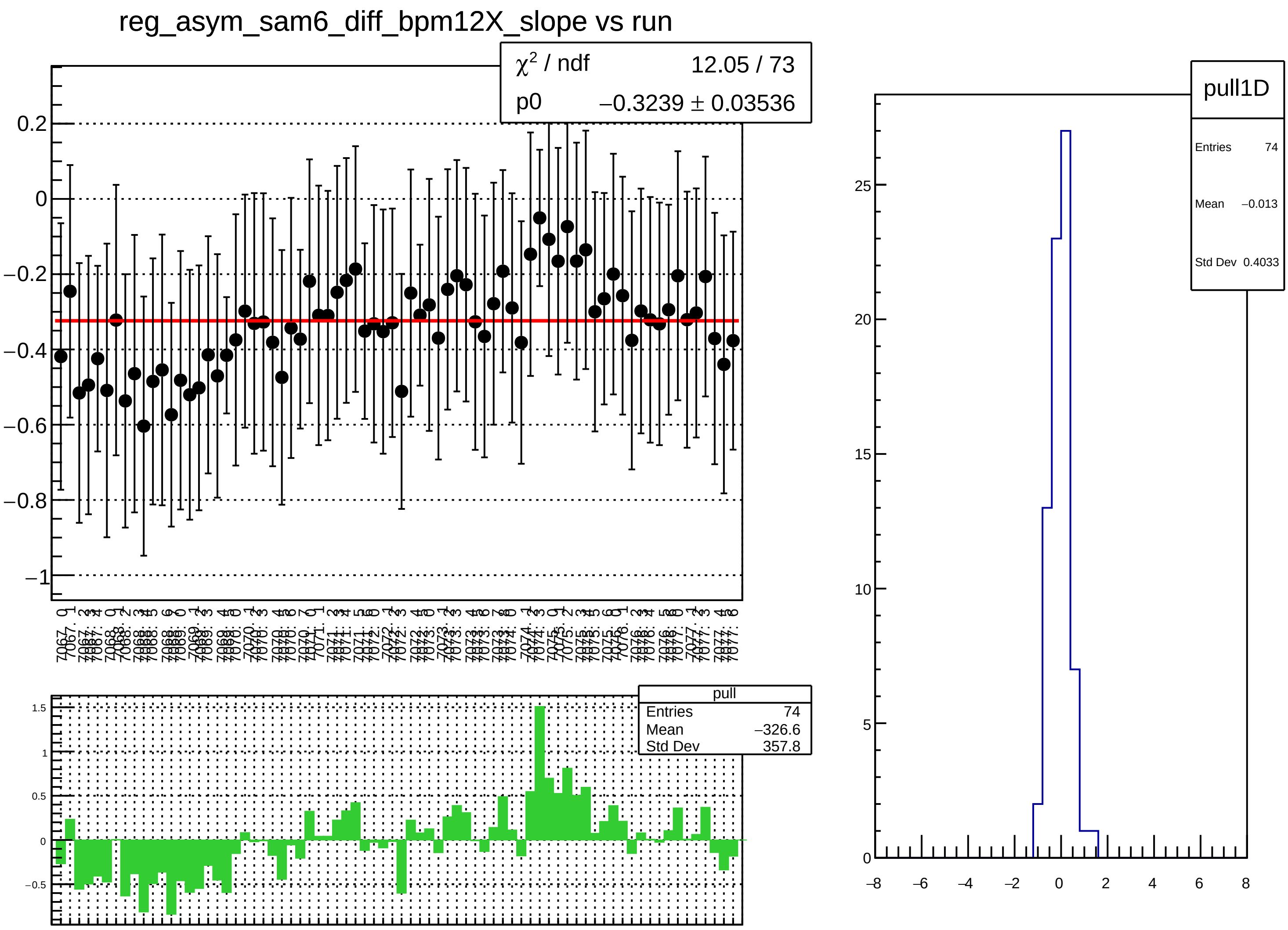


reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 7.004 / 73
p0 35.62 ± 0.747
pull
Entries 74
Mean 23.47
Std Dev 69.66
pull1D
Entries 74
Mean 0.0067
Std Dev 0.3076

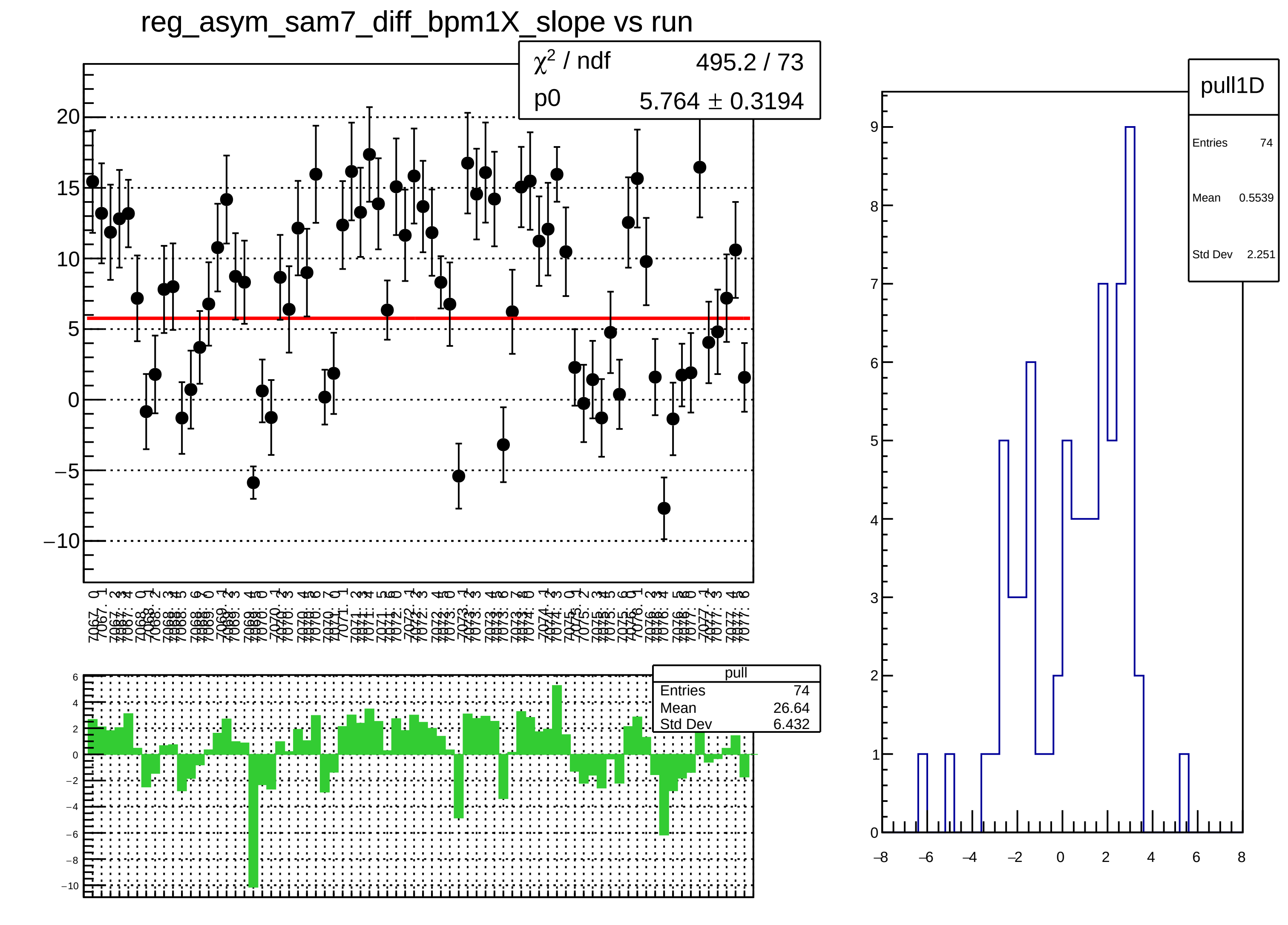

reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 4.713 / 73
p0 52.55 ± 0.8933
70
65
60
55
50
45
40
pull
Entries 74
Mean 34.44
Std Dev 61.98
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 74
Mean 0.01524
Std Dev 0.2519
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

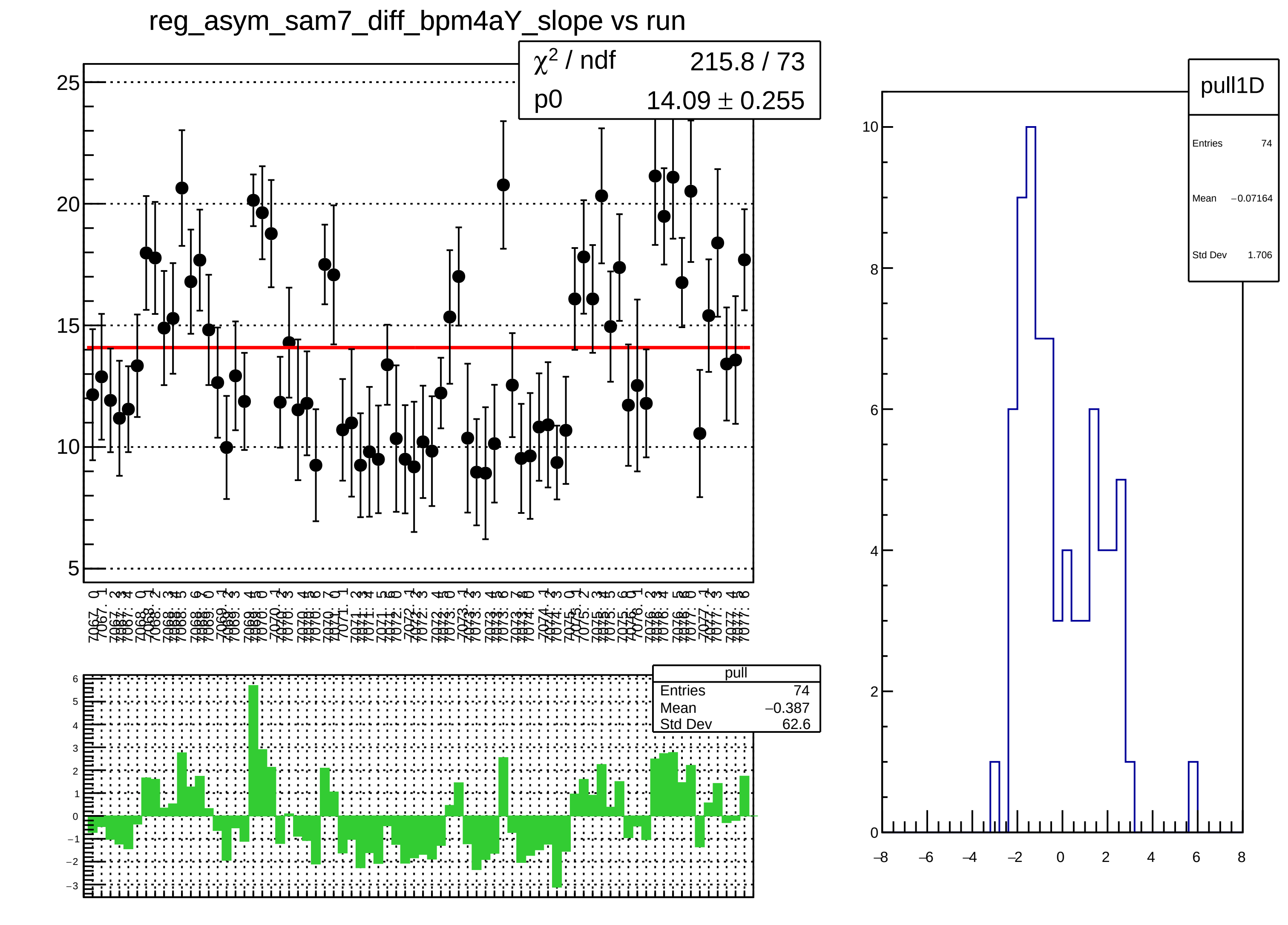


reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 8.242 / 73
p0 77.08 ± 0.7762
pull
Entries 74
Mean 1500
Std Dev 1483
pull1D
Entries 74
Mean 0.0006044
Std Dev 0.3337

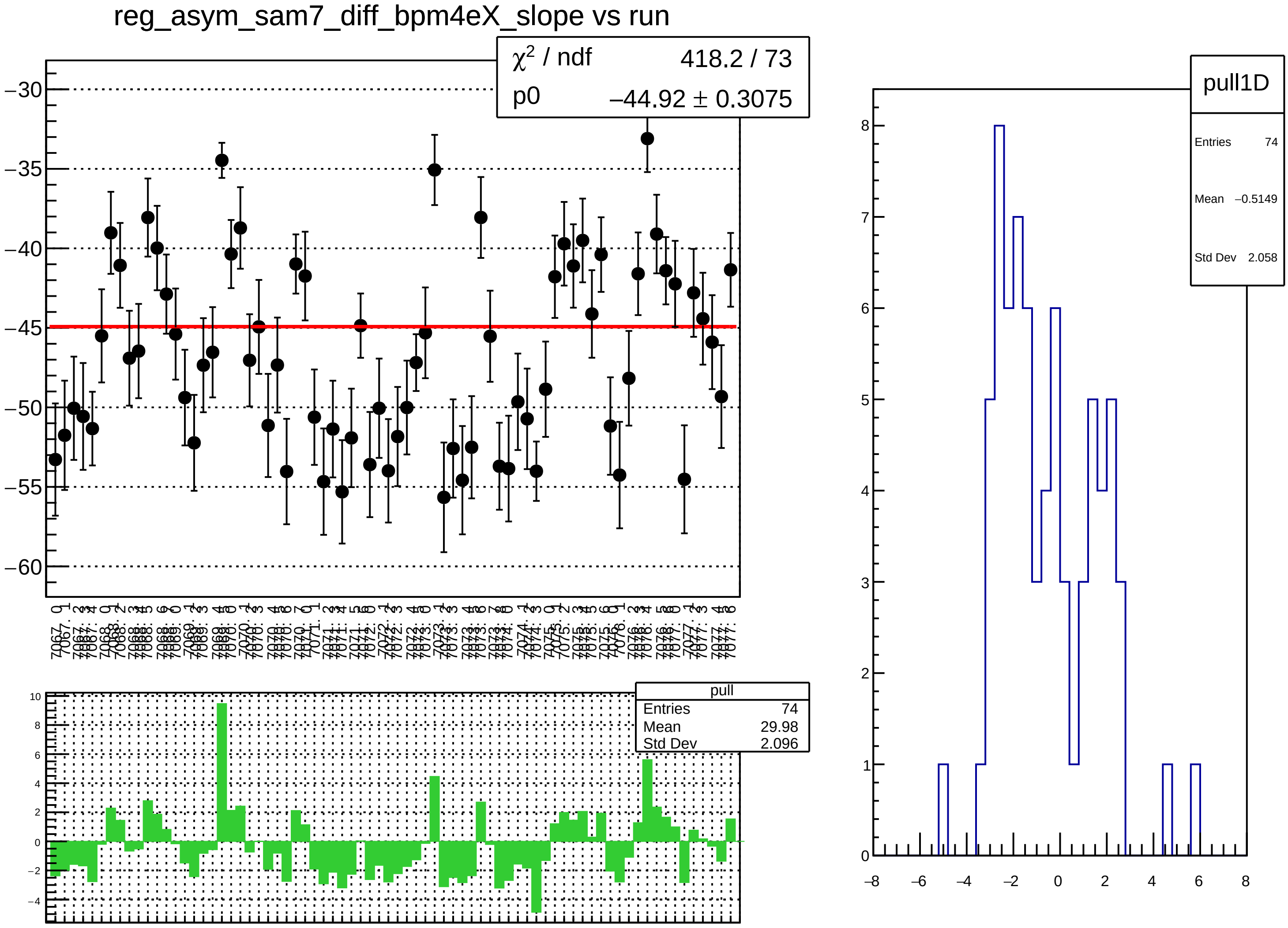


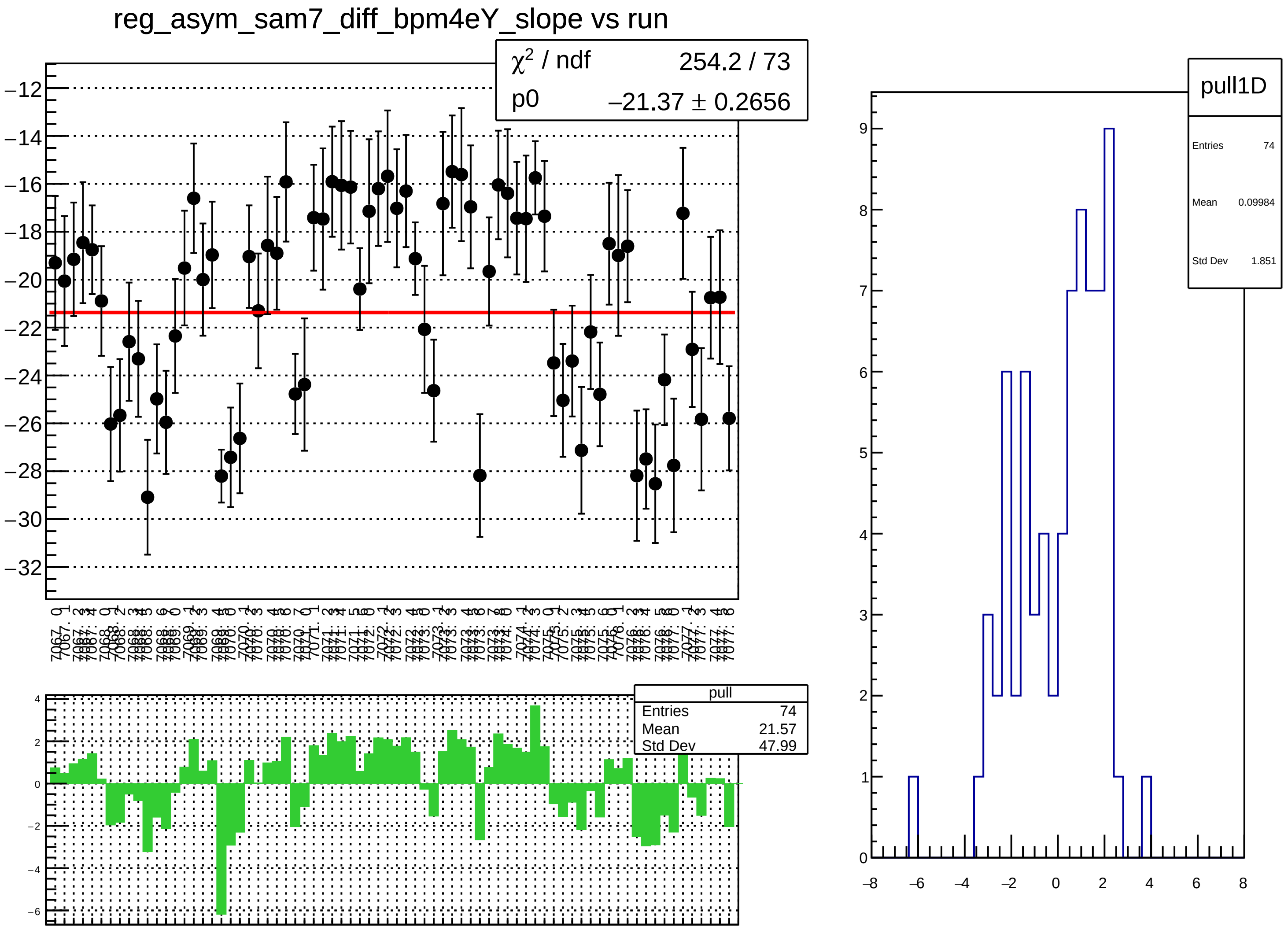
reg_asym_sam6_diff_bpm12X_slope vs run
χ2 / ndf 12.05 / 73
p0 −0.3239 ± 0.03536
pull
Entries 74
Mean −326.6
Std Dev 357.8
pull1D
Entries 74
Mean −0.013
Std Dev 0.4033


reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 495.2 / 73
p0 5.764 ± 0.3194
pull
Entries 74
Mean 26.64
Std Dev 6.432
pull1D
Entries 74
Mean 0.5539
Std Dev 2.251

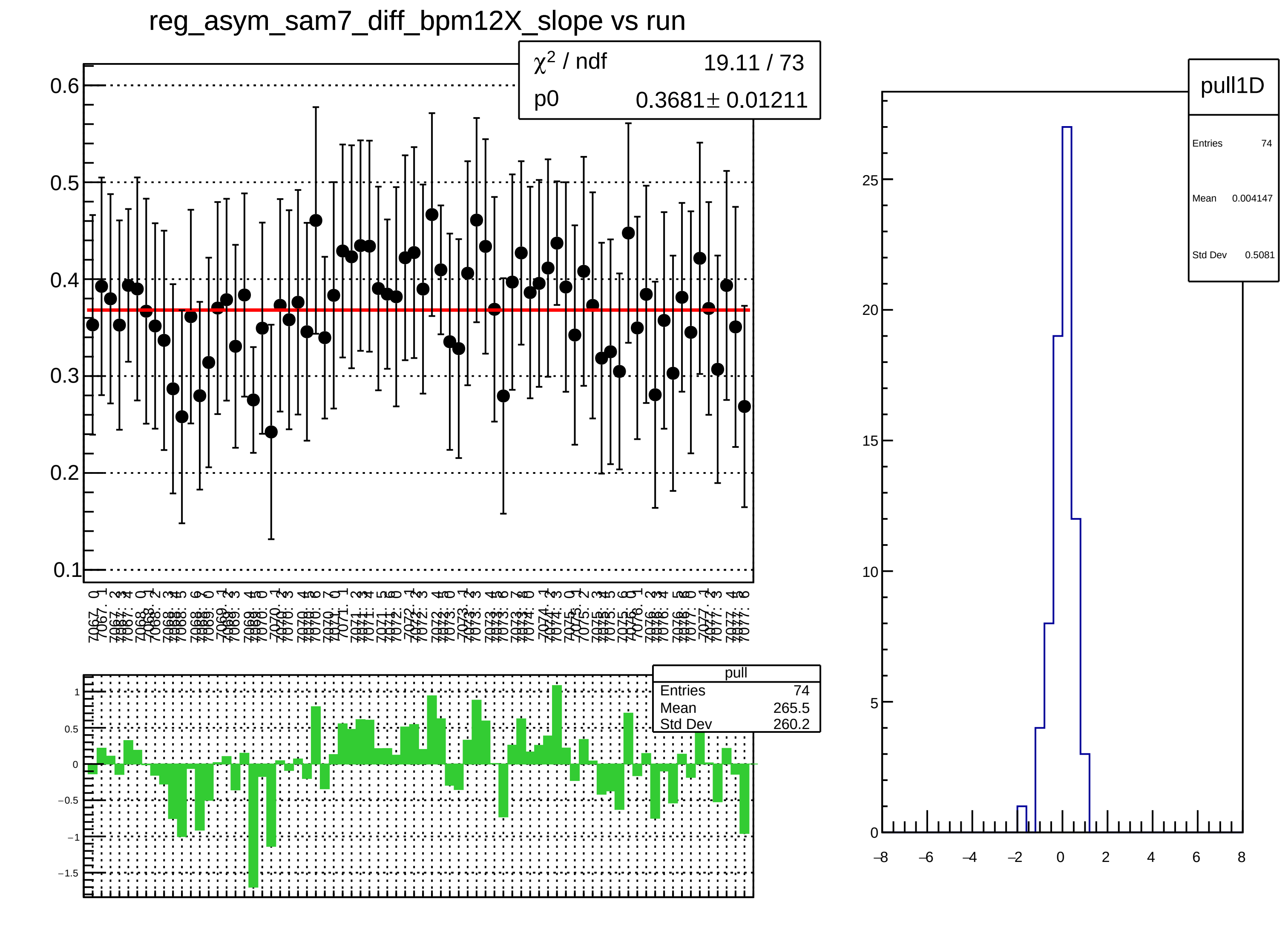


reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 215.8 / 73
p0 14.09 ± 0.255
pull
Entries 74
Mean −0.387
Std Dev 62.6
pull1D
Entries 74
Mean −0.07164
Std Dev 1.706

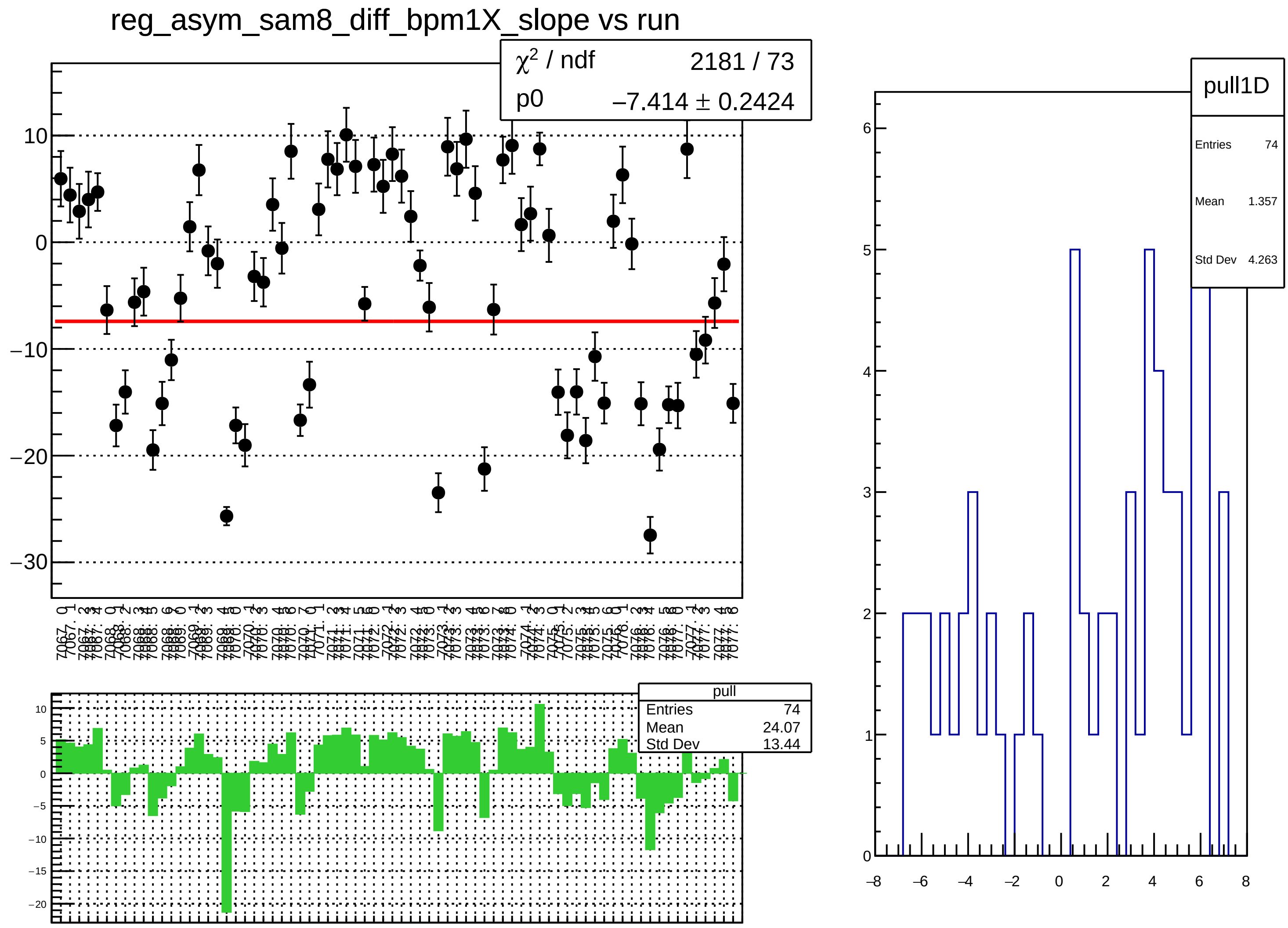

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 418.2 / 73
p0 −44.92 ± 0.3075
pull
Entries 74
Mean 29.98
Std Dev 2.096
pull1D
Entries 74
Mean −0.5149
Std Dev 2.058



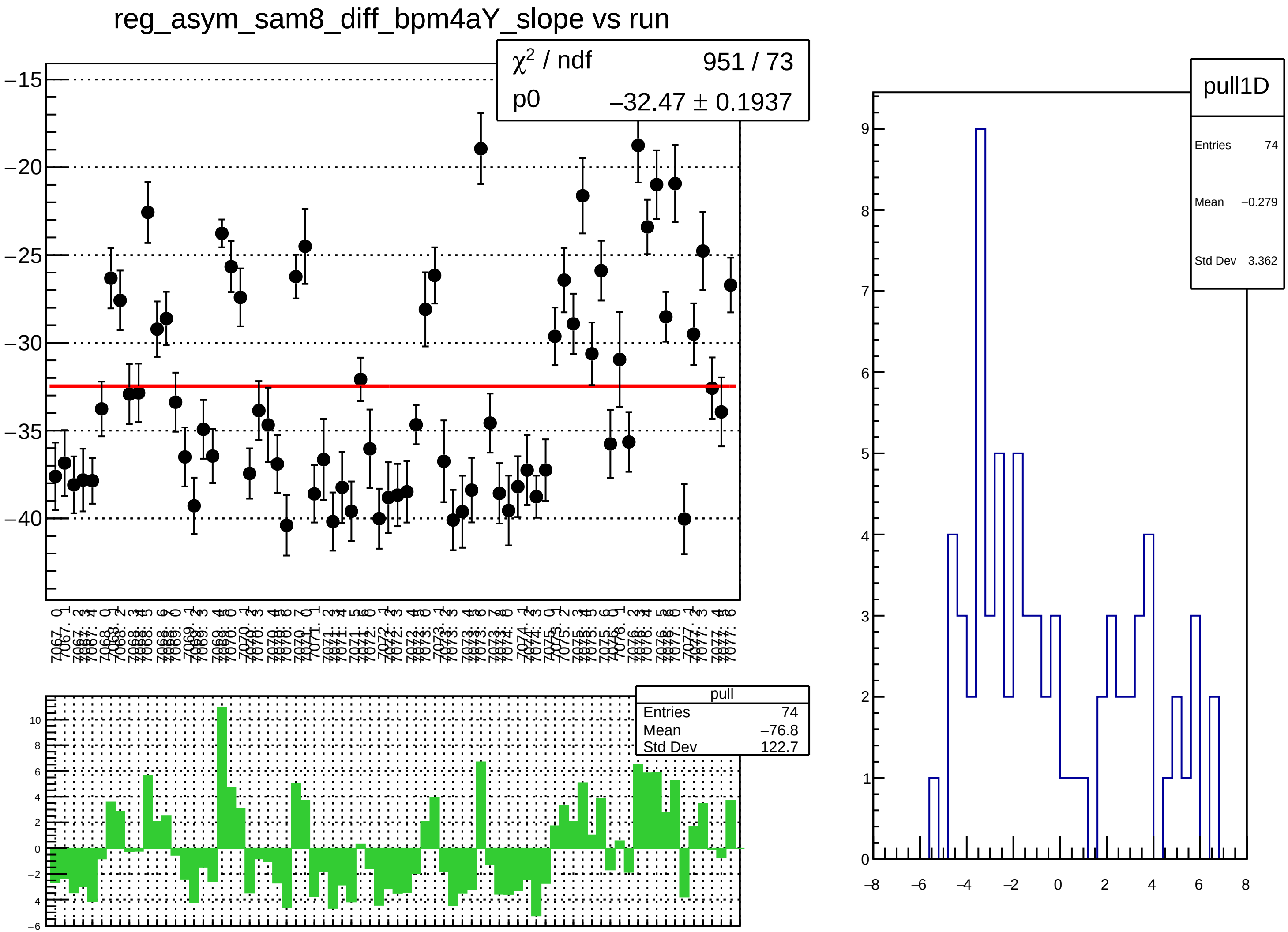
reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 254.2 / 73
p0 −21.37 ± 0.2656
pull
Entries 74
Mean 21.57
Std Dev 47.99
pull1D
Entries 74
Mean 0.09984
Std Dev 1.851



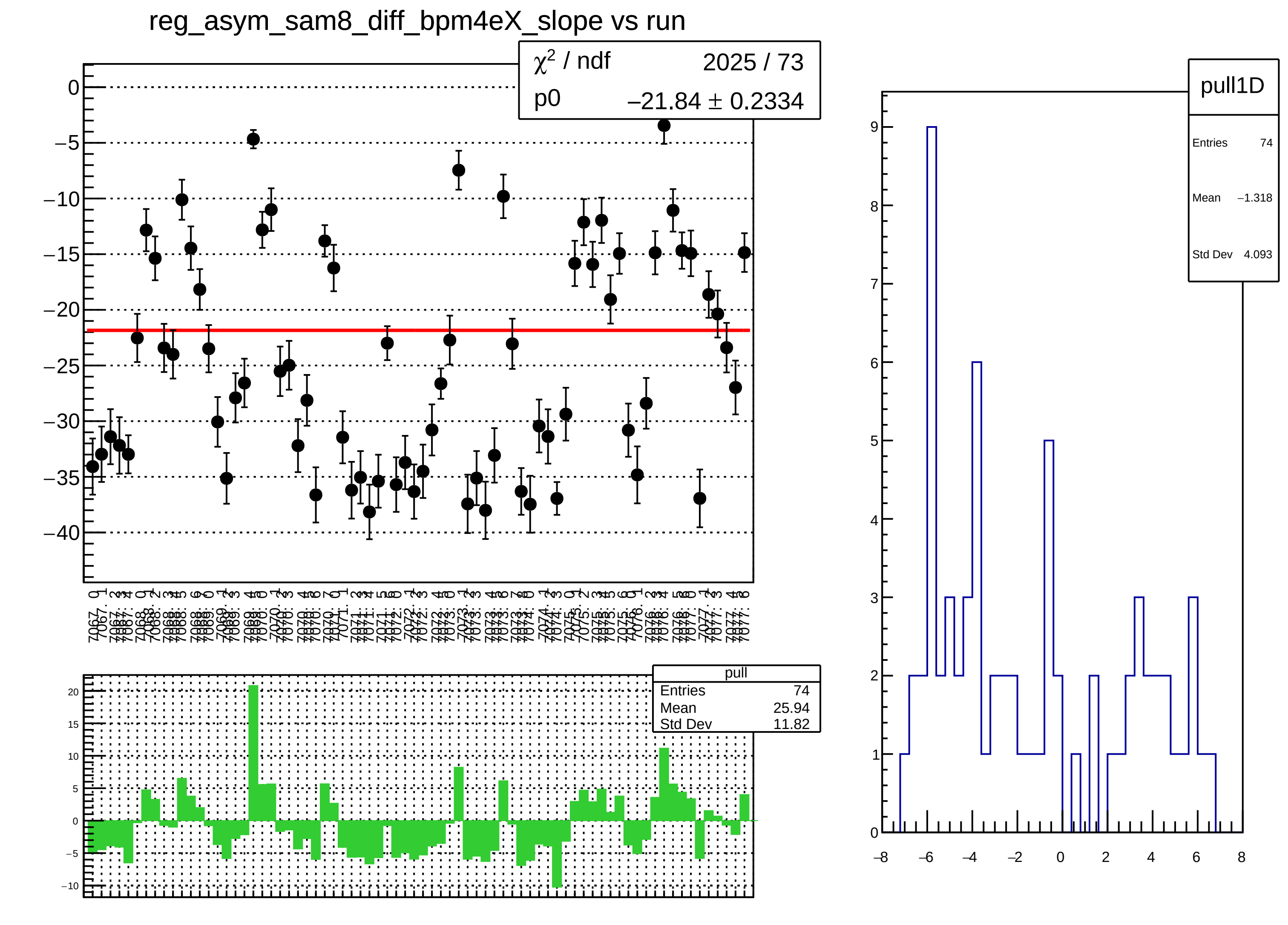
reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 19.11 / 73
p0 0.3681 ± 0.01211
pull
Entries 74
Mean 265.5
Std Dev 260.2
pull1D
Entries 74
Mean 0.004147
Std Dev 0.5081



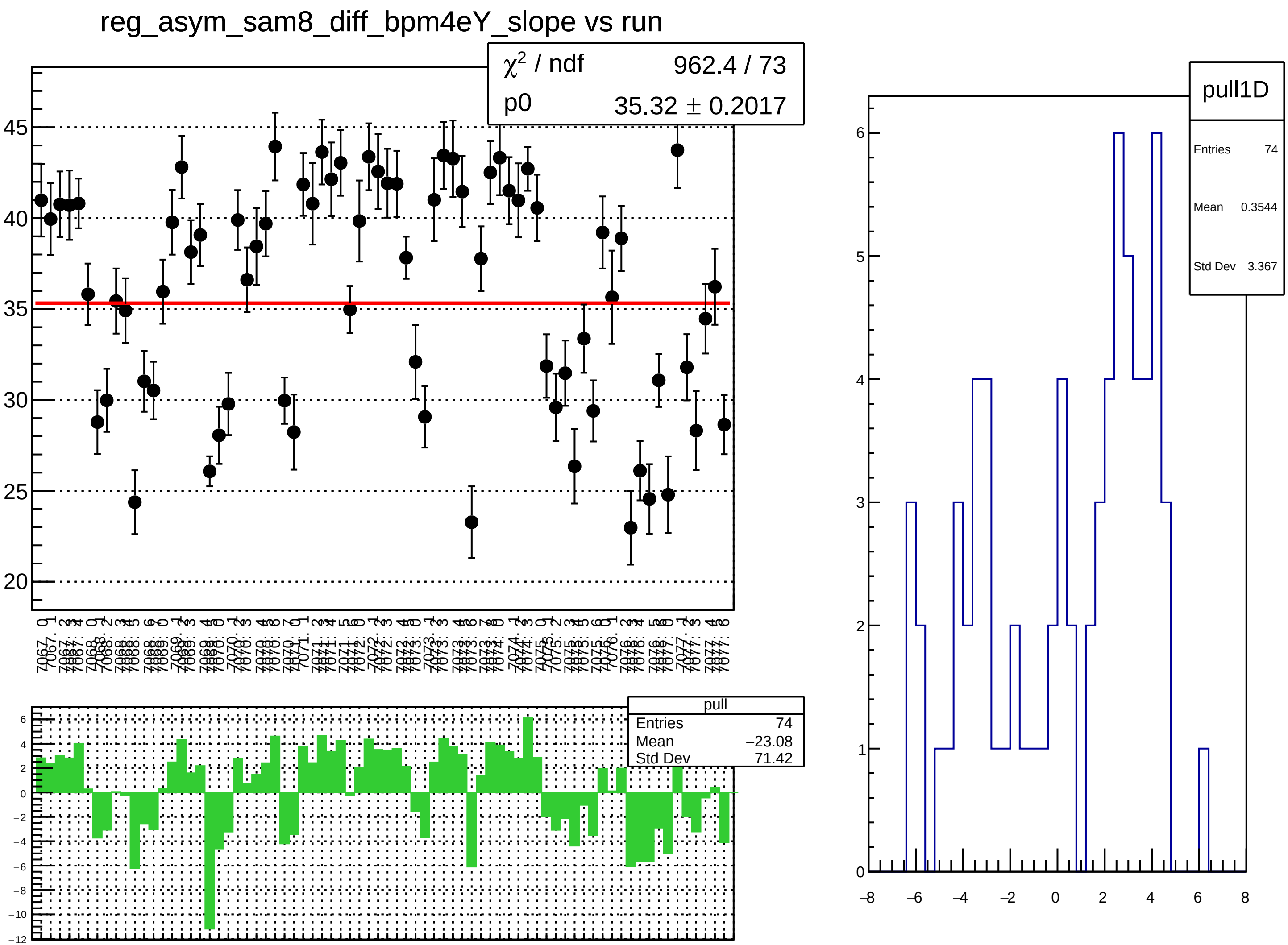
reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 2181 / 73
p0 −7.414 ± 0.2424
pull
Entries 74
Mean 24.07
Std Dev 13.44
pull1D
Entries 74
Mean 1.357
Std Dev 4.263



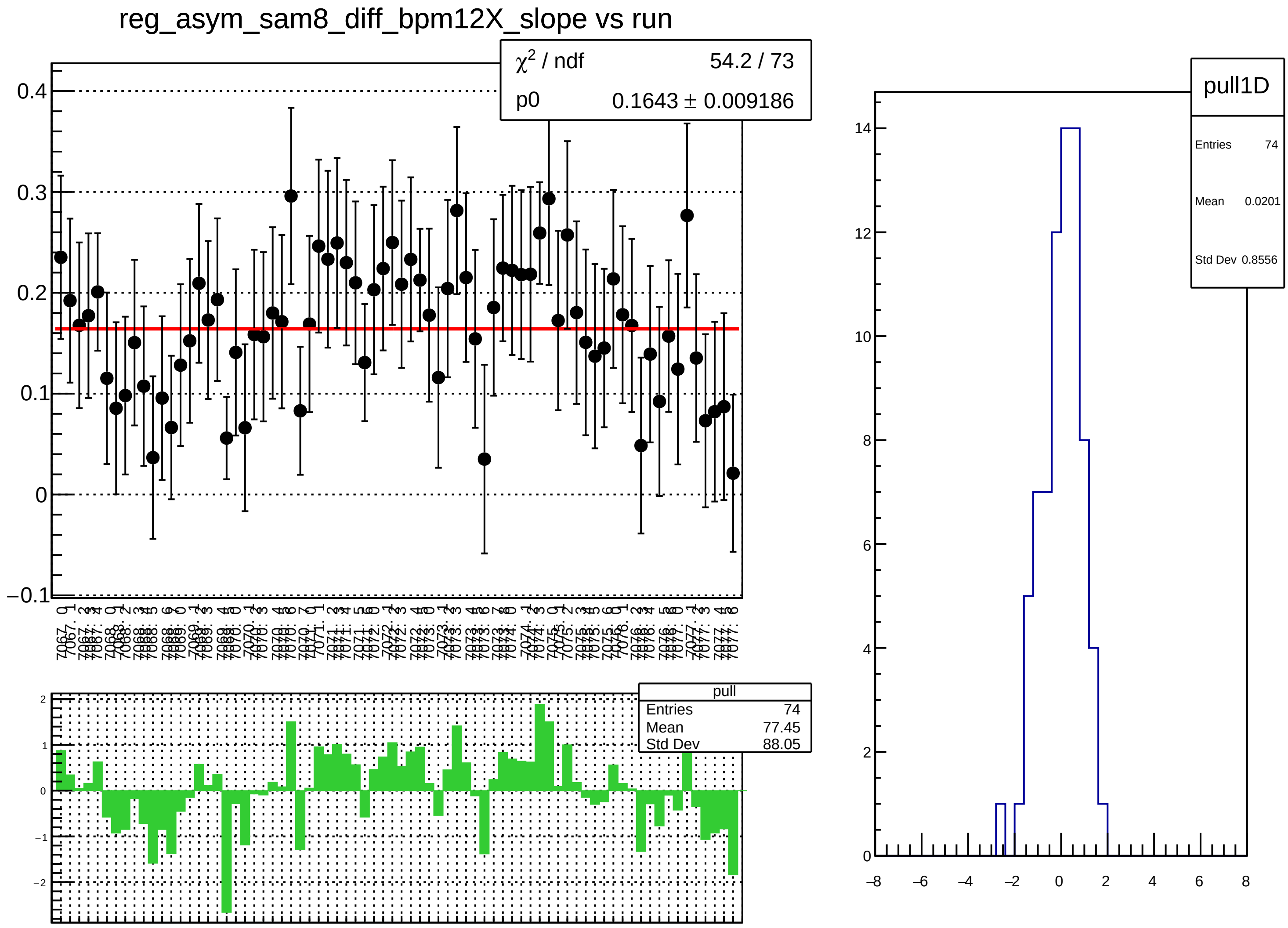
reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 951 / 73
p0 −32.47 ± 0.1937
pull
Entries 74
Mean −76.8
Std Dev 122.7
pull1D
Entries 74
Mean −0.279
Std Dev 3.362



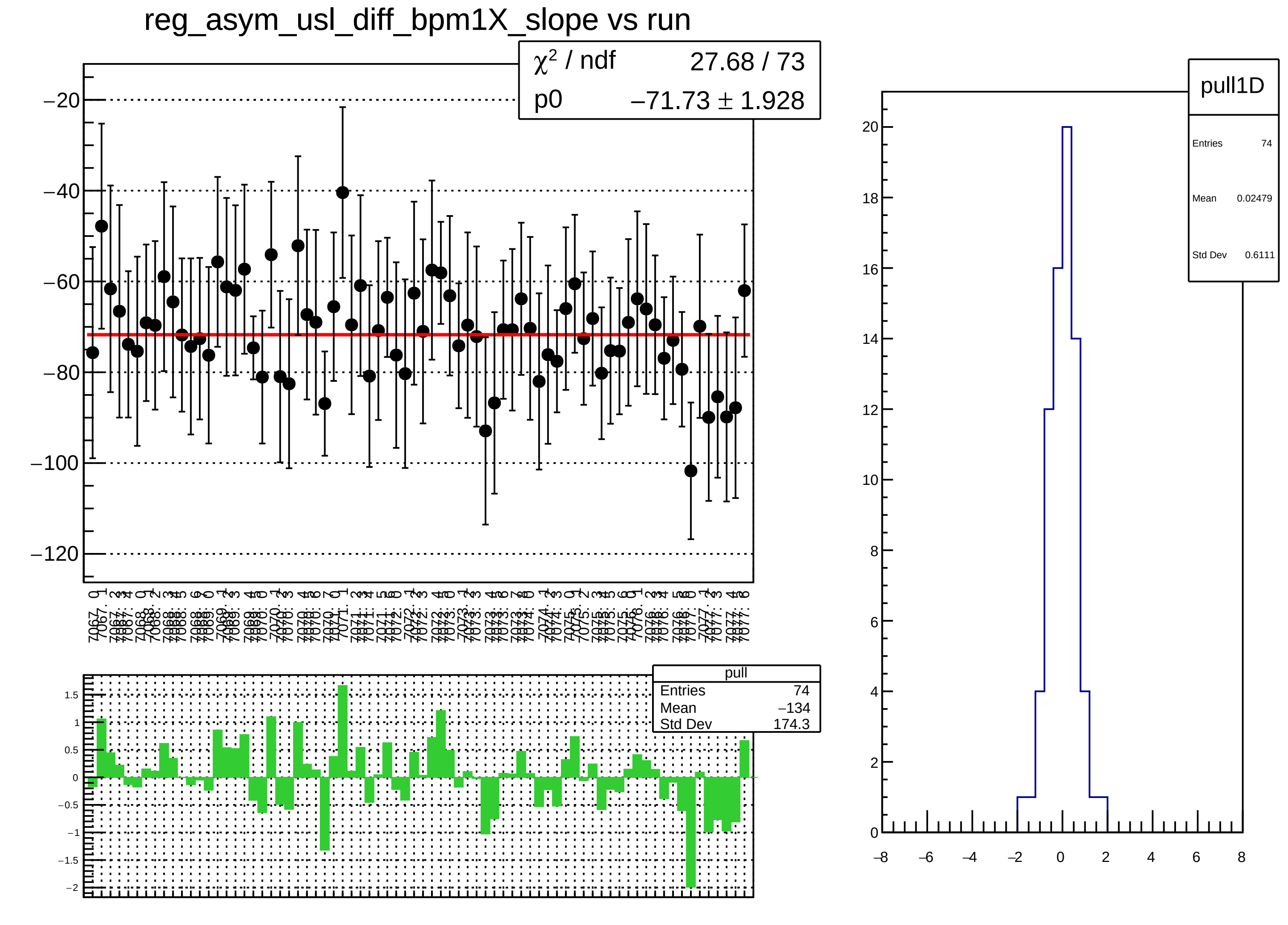
reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 2025 / 73
p0 −21.84 ± 0.2334
pull
Entries 74
Mean 25.94
Std Dev 11.82
pull1D
Entries 74
Mean −1.318
Std Dev 4.093



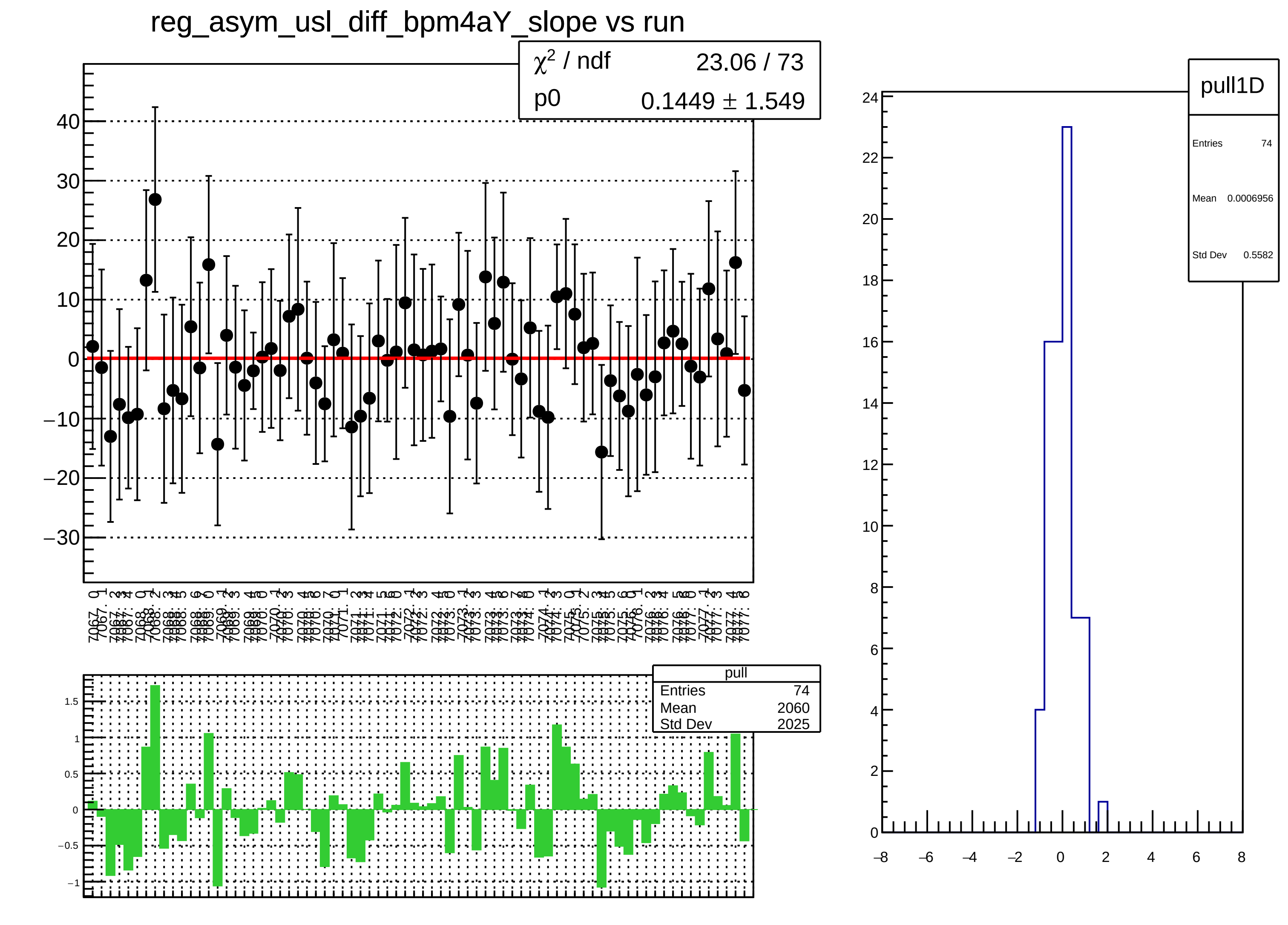
reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 962.4 / 73
p0 35.32 ± 0.2017
pull
Entries 74
Mean −23.08
Std Dev 71.42
pull1D
Entries 74
Mean 0.3544
Std Dev 3.367

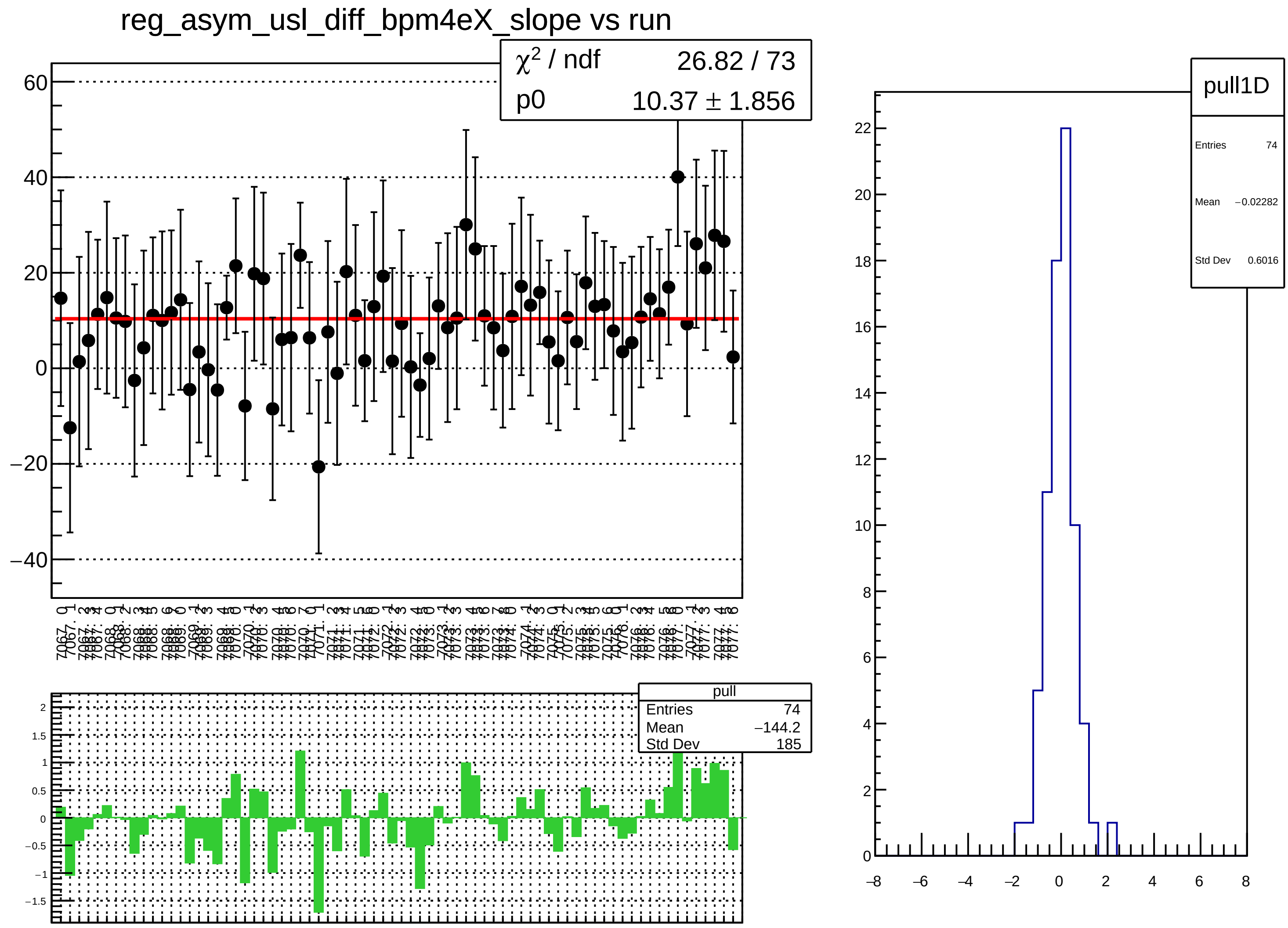


reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 54.2 / 73
p0 0.1643 ± 0.009186
pull
Entries 74
Mean 77.45
Std Dev 88.05
pull1D
Entries 74
Mean 0.0201
Std Dev 0.8556

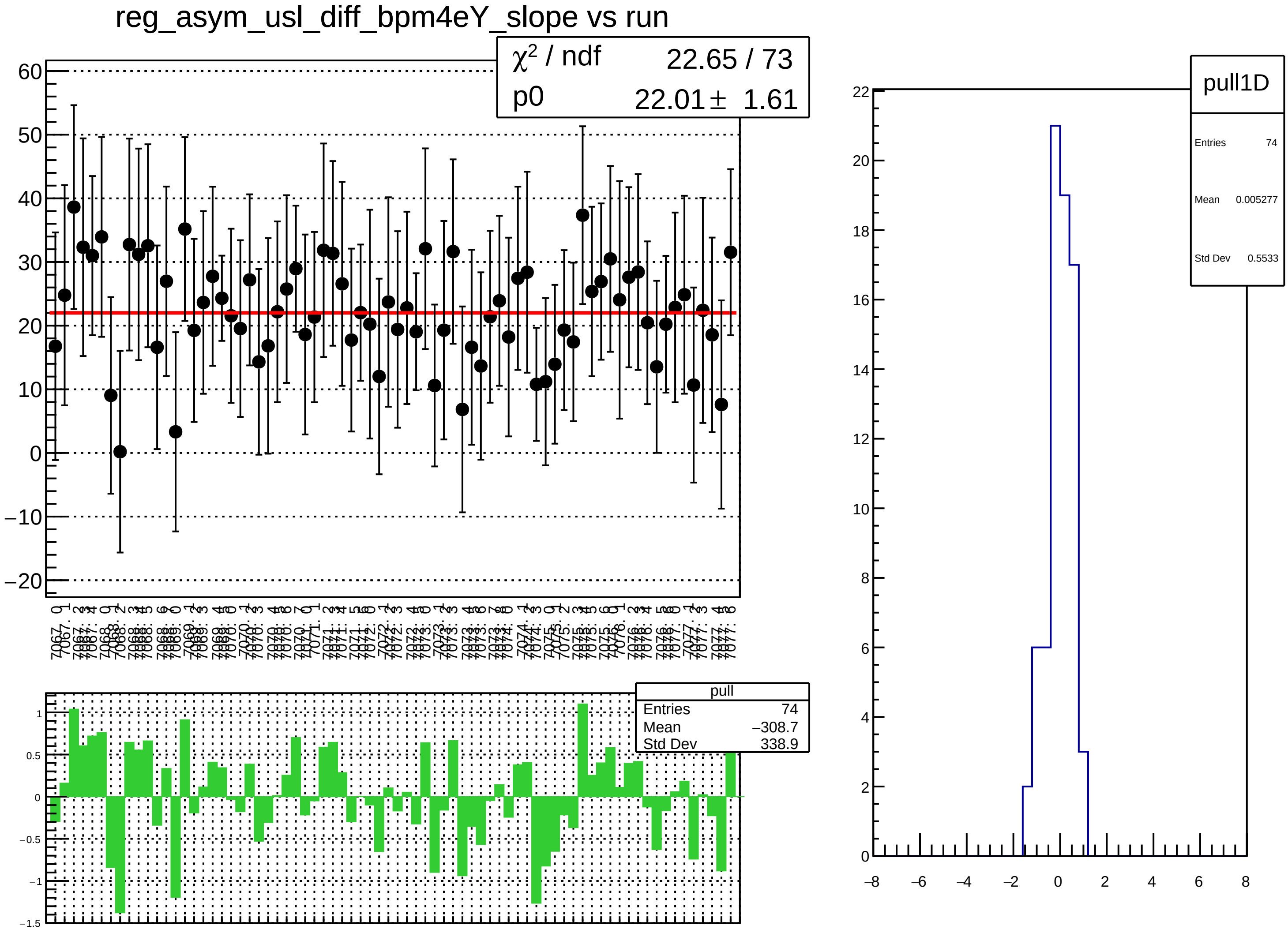


reg_asym_usl_diff_bpm1X_slope vs run
χ^2 / ndf 27.68 / 73
p0 −71.73 ± 1.928
pull
Entries 74
Mean −134
Std Dev 174.3
pull1D
Entries 74
Mean 0.02479
Std Dev 0.6111

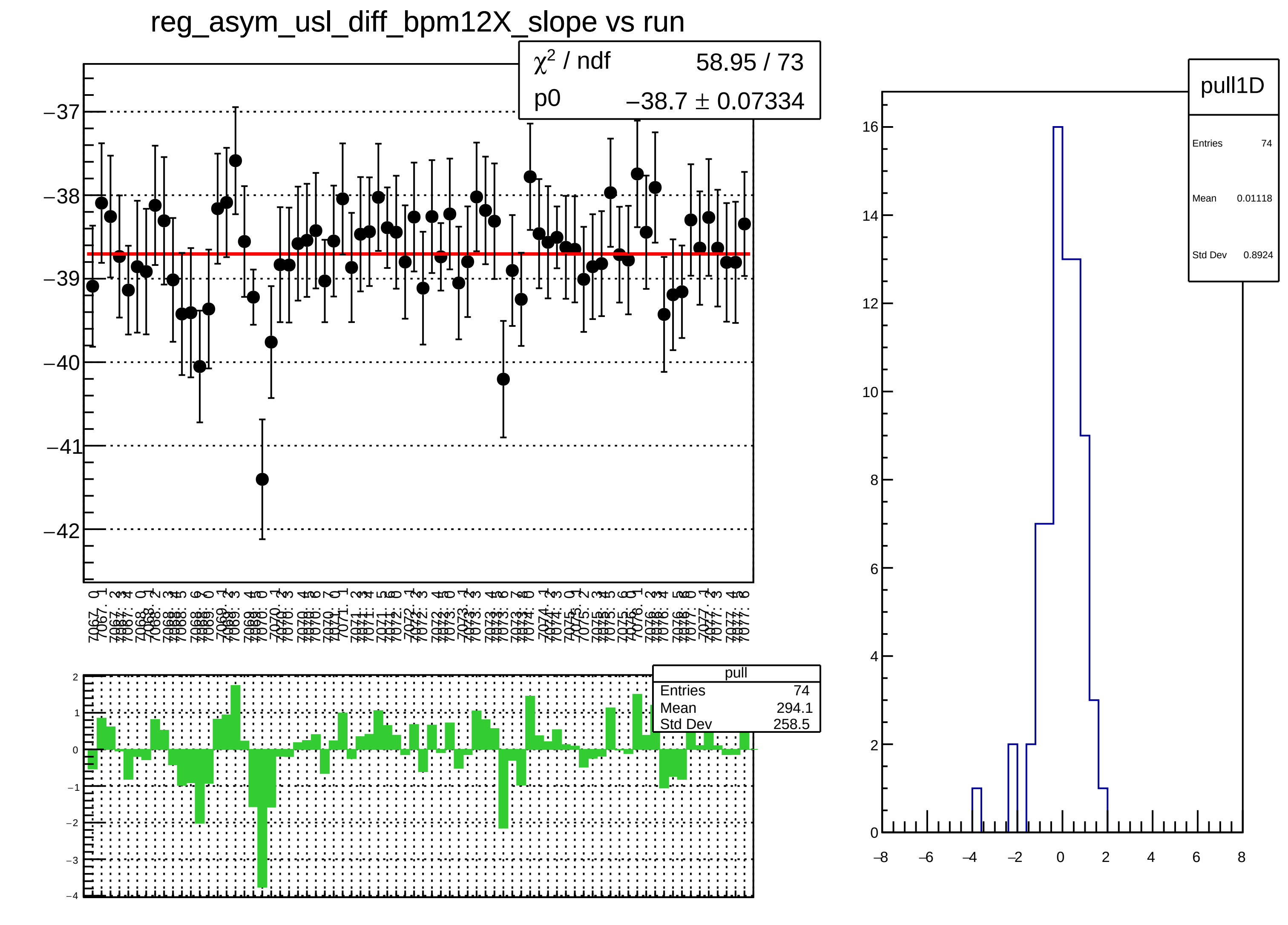

reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 23.06 / 73
p0 0.1449 ± 1.549
pull
Entries 74
Mean 2060
Std Dev 2025
pull1D
Entries 74
Mean 0.0006956
Std Dev 0.5582



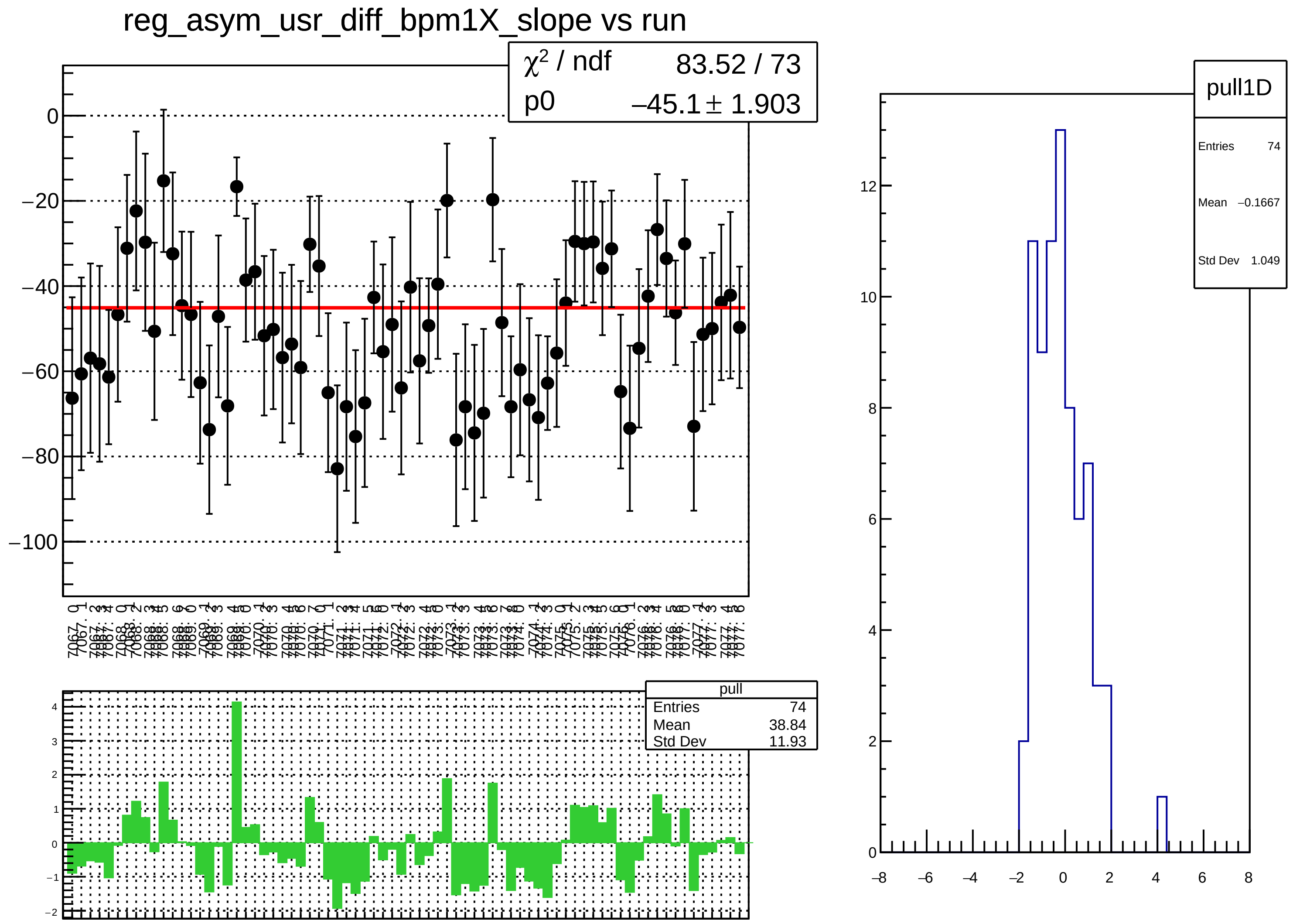
reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 26.82 / 73
p0 10.37 ± 1.856
pull
Entries 74
Mean −144.2
Std Dev 185
pull1D
Entries 74
Mean −0.02282
Std Dev 0.6016



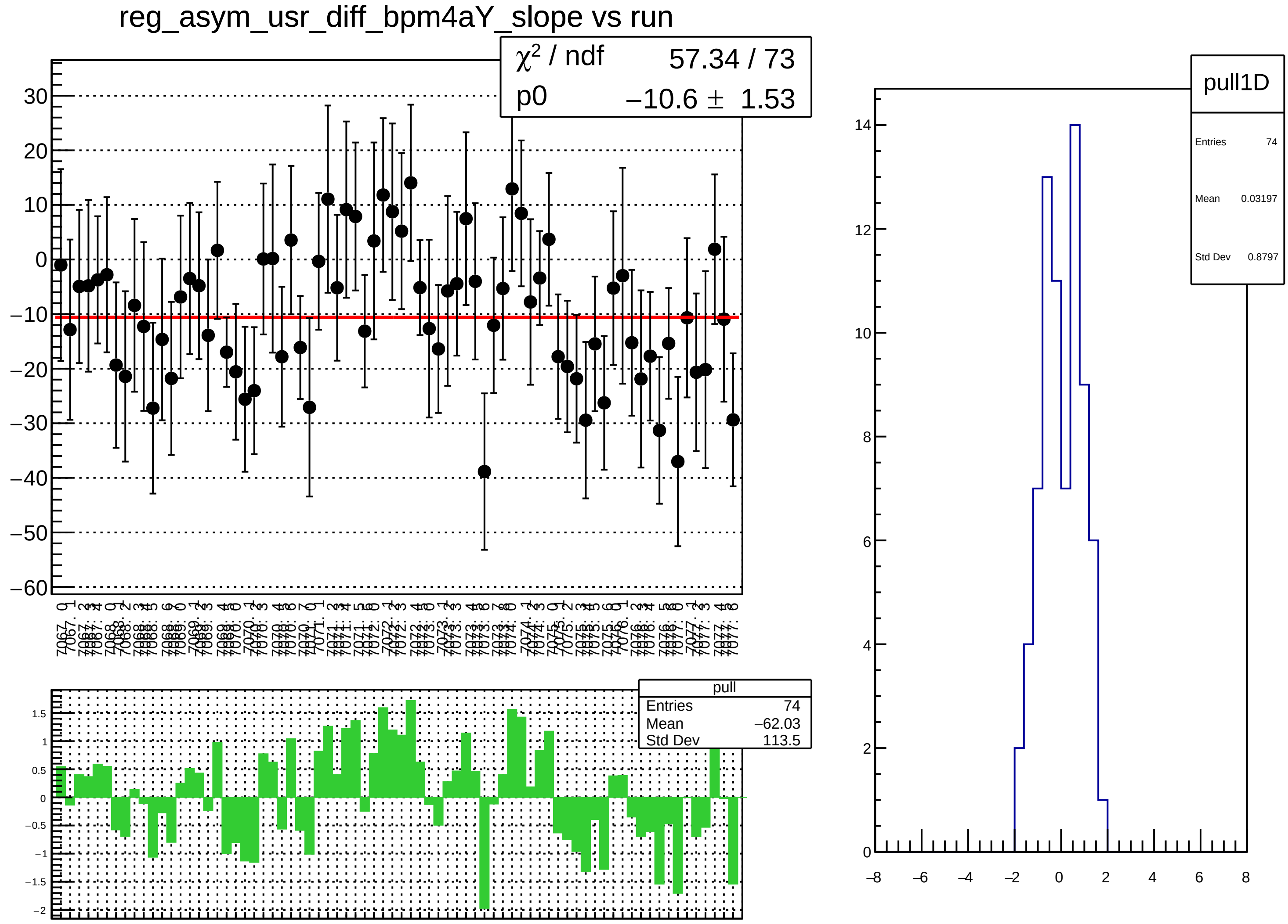
reg_asym_usl_diff_bpm4eY_slope vs run
χ2 / ndf 22.65 / 73
p0 22.01 ± 1.61
pull
Entries 74
Mean −308.7
Std Dev 338.9
pull1D
Entries 74
Mean 0.005277
Std Dev 0.5533



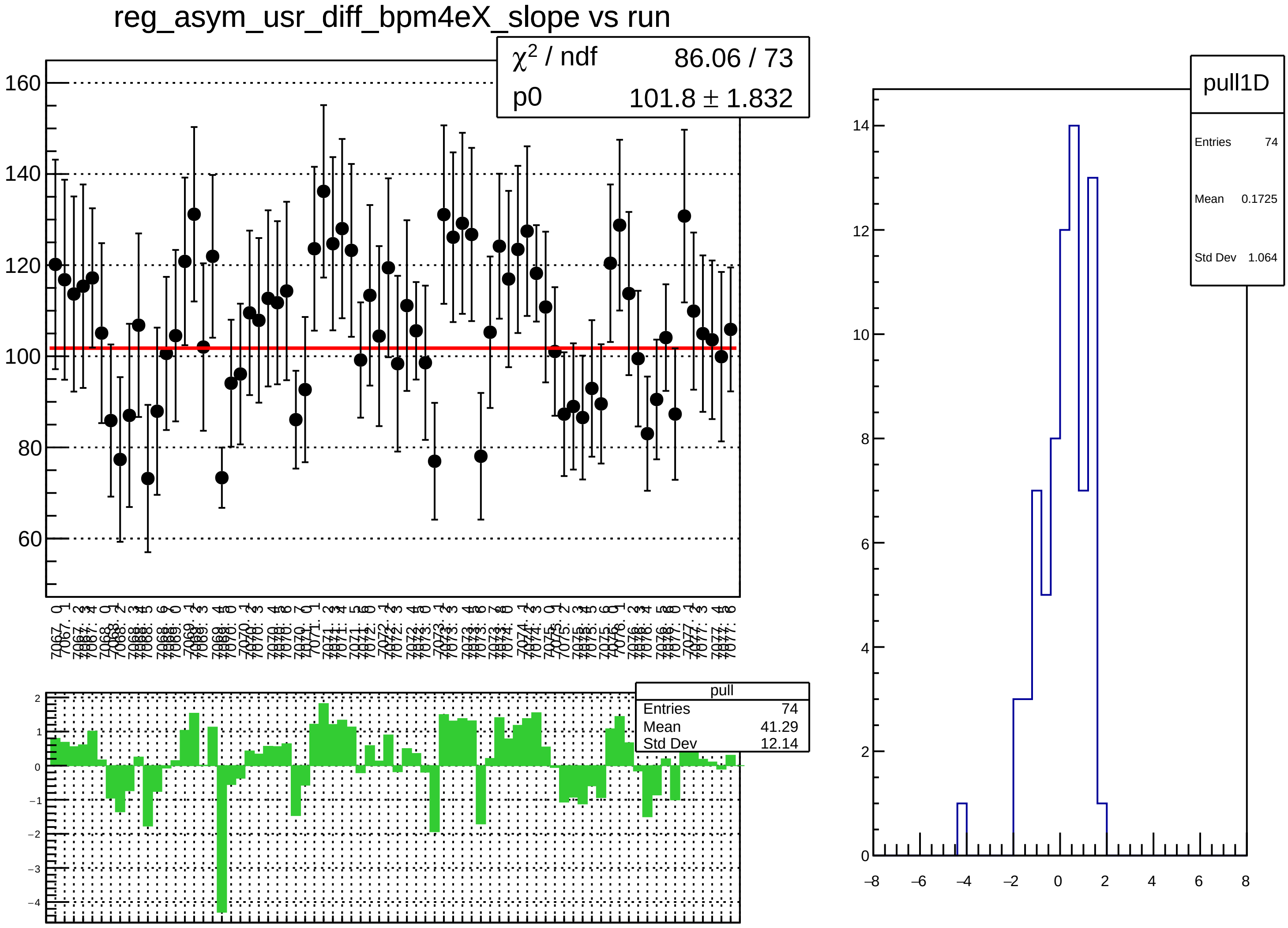
reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 58.95 / 73
p0 −38.7 ± 0.07334
−37
−38
−39
−40
−41
−42
pull
Entries 74
Mean 294.1
Std Dev 258.5
pull1D
Entries 74
Mean 0.01118
Std Dev 0.8924



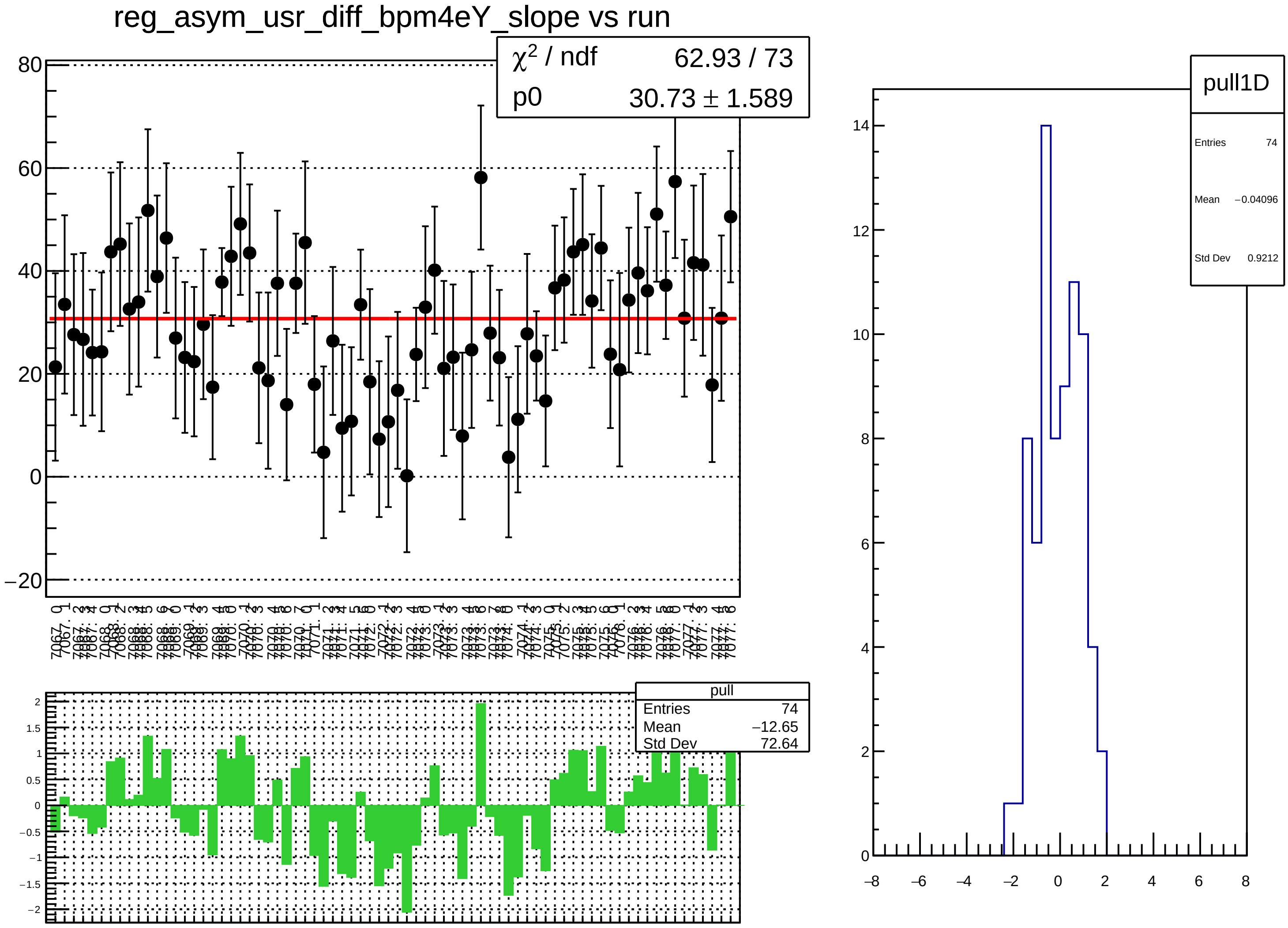
reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 83.52 / 73
p0 −45.1 ± 1.903
pull
Entries 74
Mean 38.84
Std Dev 11.93
pull1D
Entries 74
Mean −0.1667
Std Dev 1.049



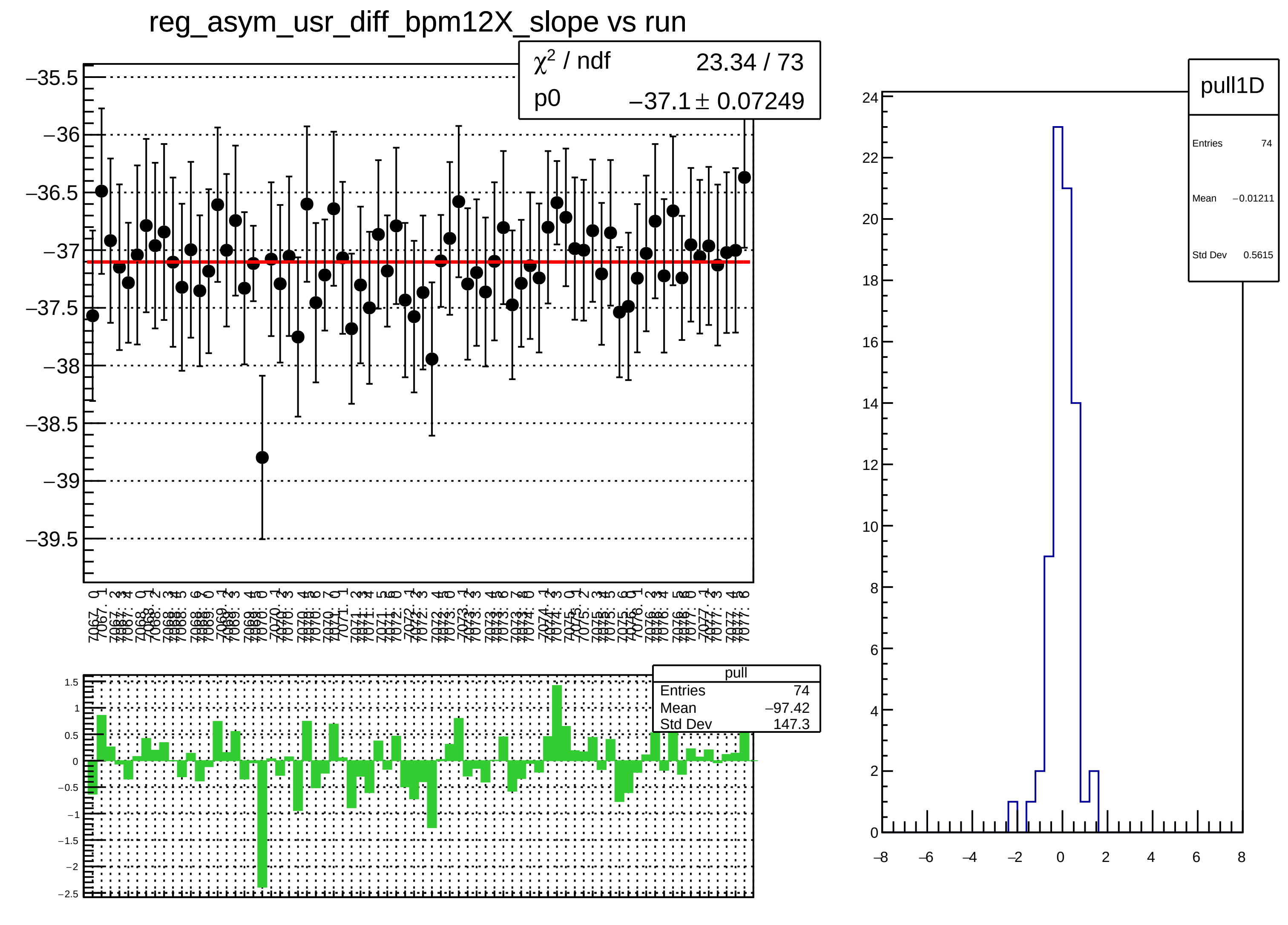
reg_asym_usr_diff_bpm4aY_slope vs run
χ2 / ndf 57.34 / 73
p0 −10.6 ± 1.53
pull
Entries 74
Mean −62.03
Std Dev 113.5
pull1D
Entries 74
Mean 0.03197
Std Dev 0.8797



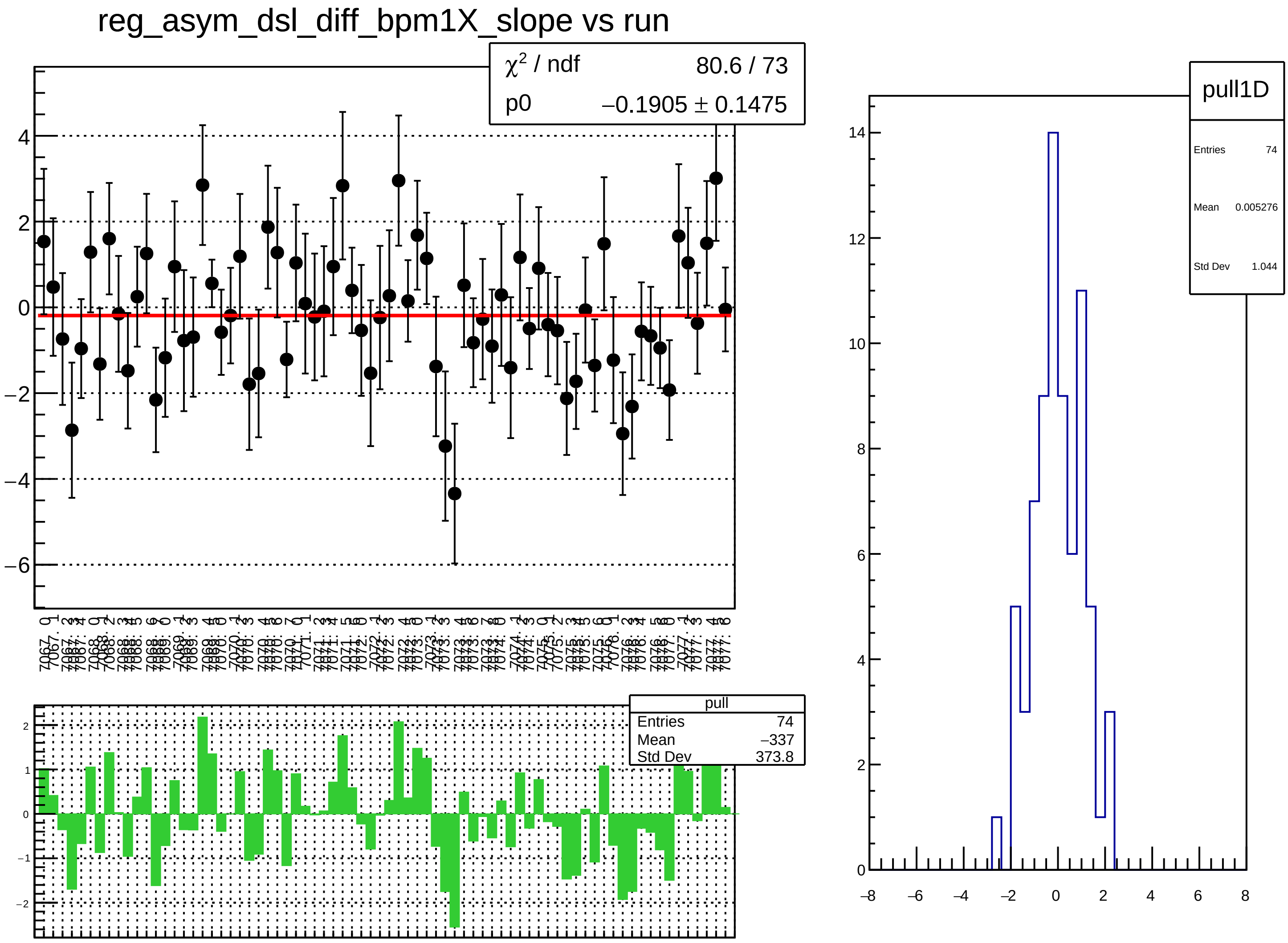
reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 86.06 / 73
p0 101.8 ± 1.832
pull
Entries 74
Mean 41.29
Std Dev 12.14
pull1D
Entries 74
Mean 0.1725
Std Dev 1.064

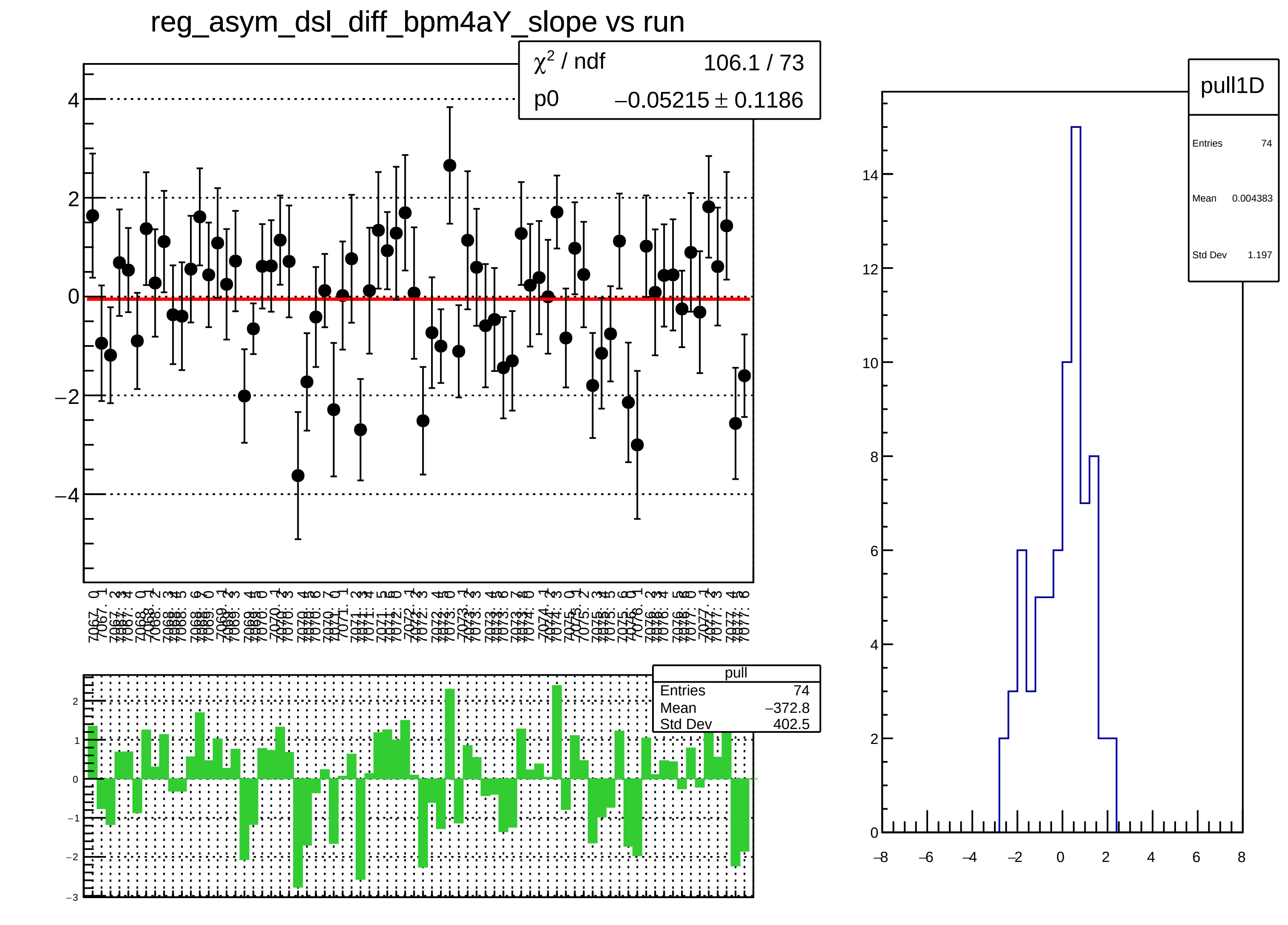


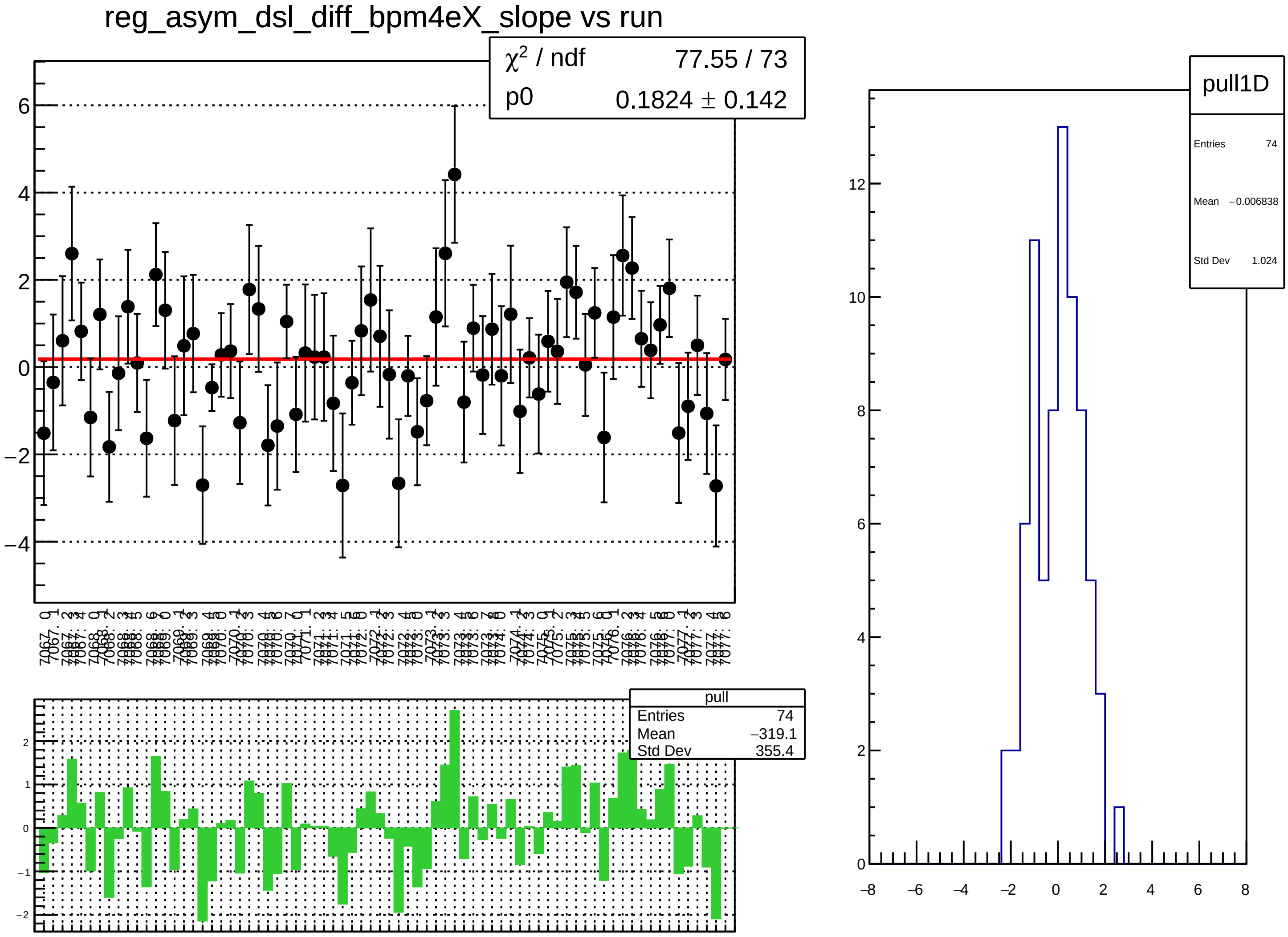
reg_asym_usr_diff_bpm4eY_slope vs run
χ2 / ndf 62.93 / 73
p0 30.73 ± 1.589
pull
Entries 74
Mean −12.65
Std Dev 72.64
pull1D
Entries 74
Mean −0.04096
Std Dev 0.9212



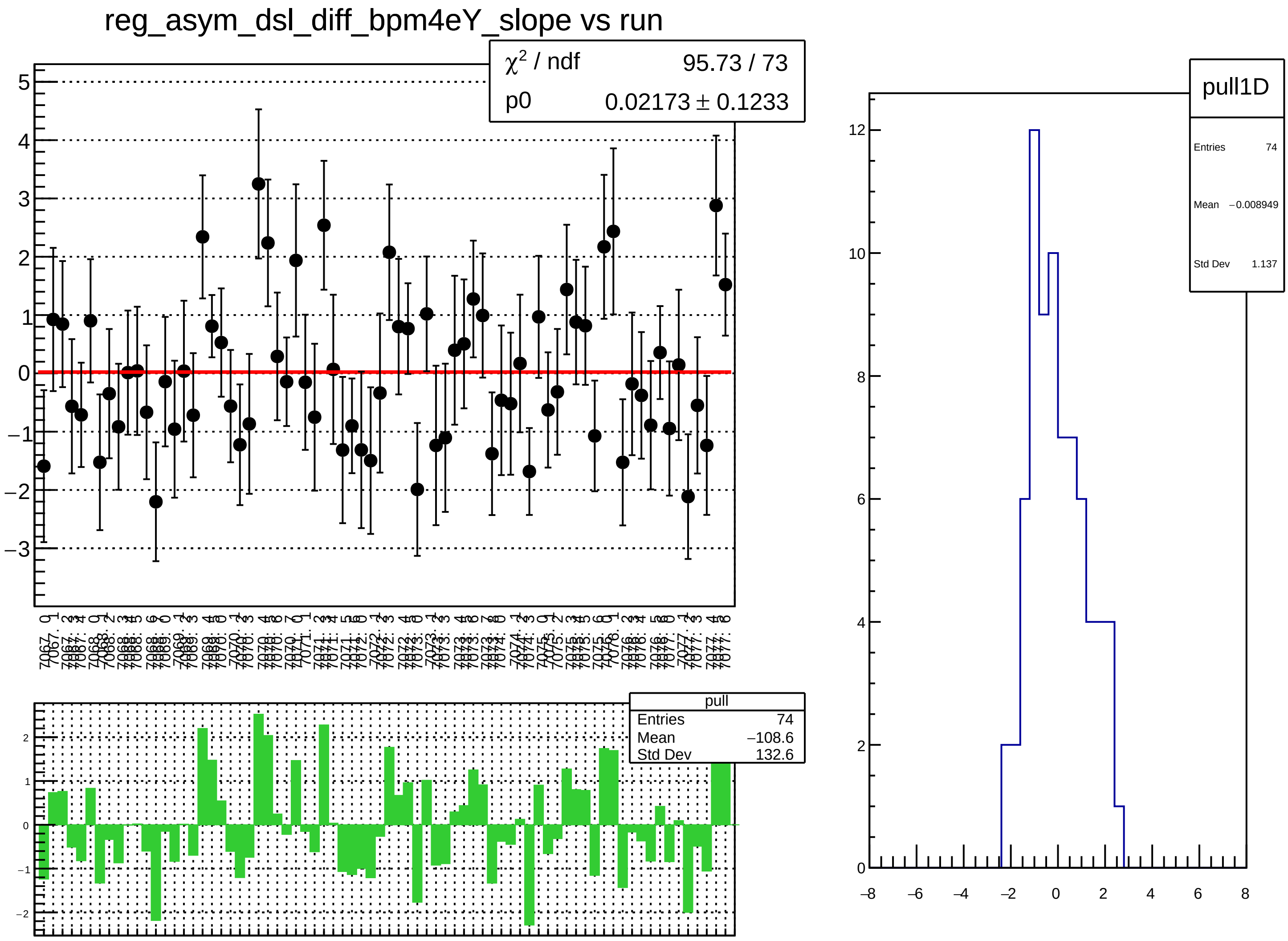
reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 23.34 / 73
p0 −37.1 ± 0.07249
pull
Entries 74
Mean −97.42
Std Dev 147.3
pull1D
Entries 74
Mean −0.01211
Std Dev 0.5615


reg_asym_dsl_diff_bpm1X_slope vs run
χ2 / ndf 80.6 / 73
p0 −0.1905 ± 0.1475
pull
Entries 74
Mean −337
Std Dev 373.8
pull1D
Entries 74
Mean 0.005276
Std Dev 1.044

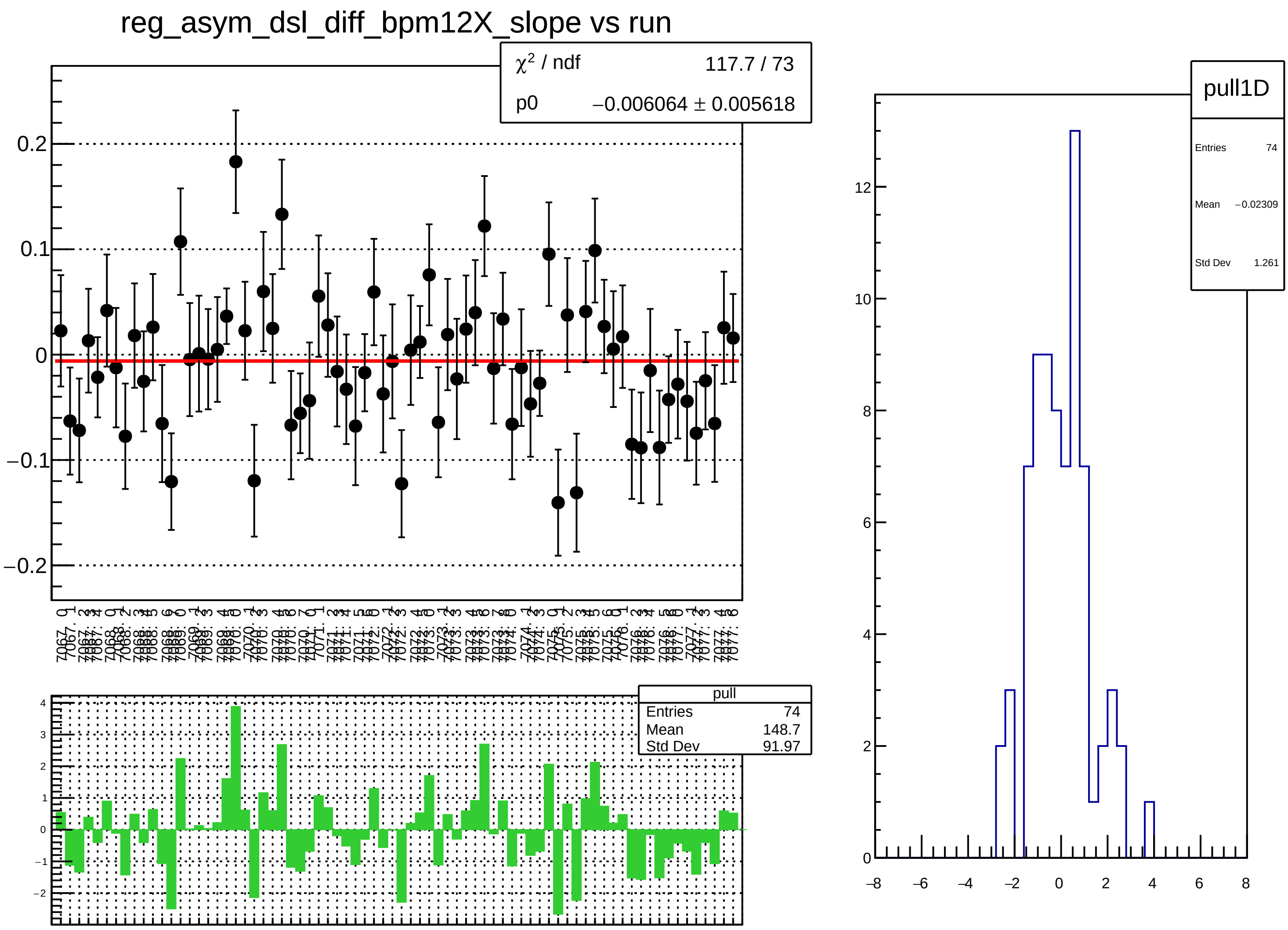

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 106.1 / 73
p0 −0.05215 ± 0.1186
4
2
0
−2
−4
pull
Entries 74
Mean −372.8
Std Dev 402.5
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean 0.004383
Std Dev 1.197
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



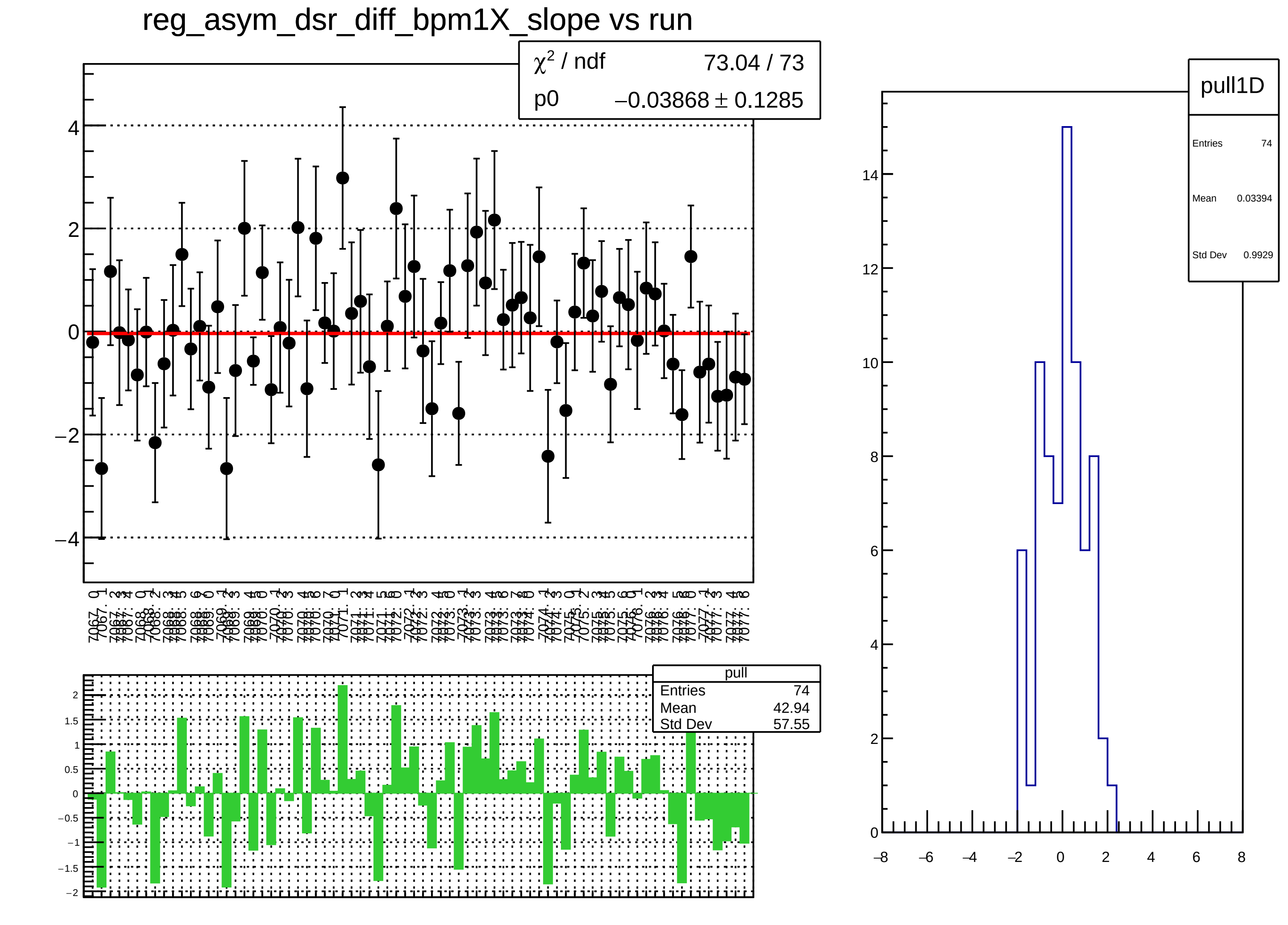
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 77.55 / 73
p0 0.1824 ± 0.142
pull
Entries 74
Mean −319.1
Std Dev 355.4
pull1D
Entries 74
Mean −0.006838
Std Dev 1.024



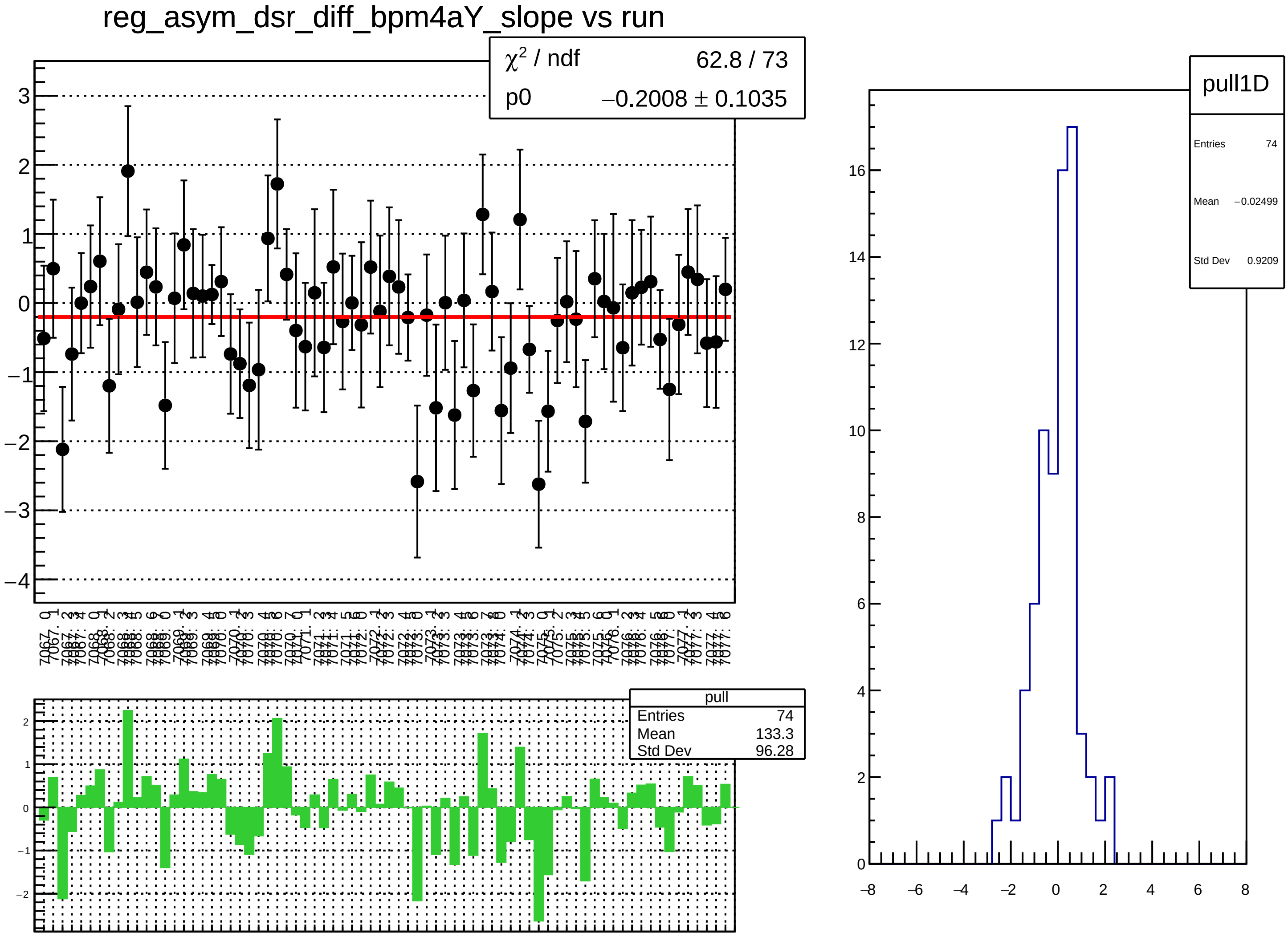
reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 95.73 / 73
p0 0.02173 ± 0.1233
pull
Entries 74
Mean −108.6
Std Dev 132.6
pull1D
Entries 74
Mean −0.008949
Std Dev 1.137



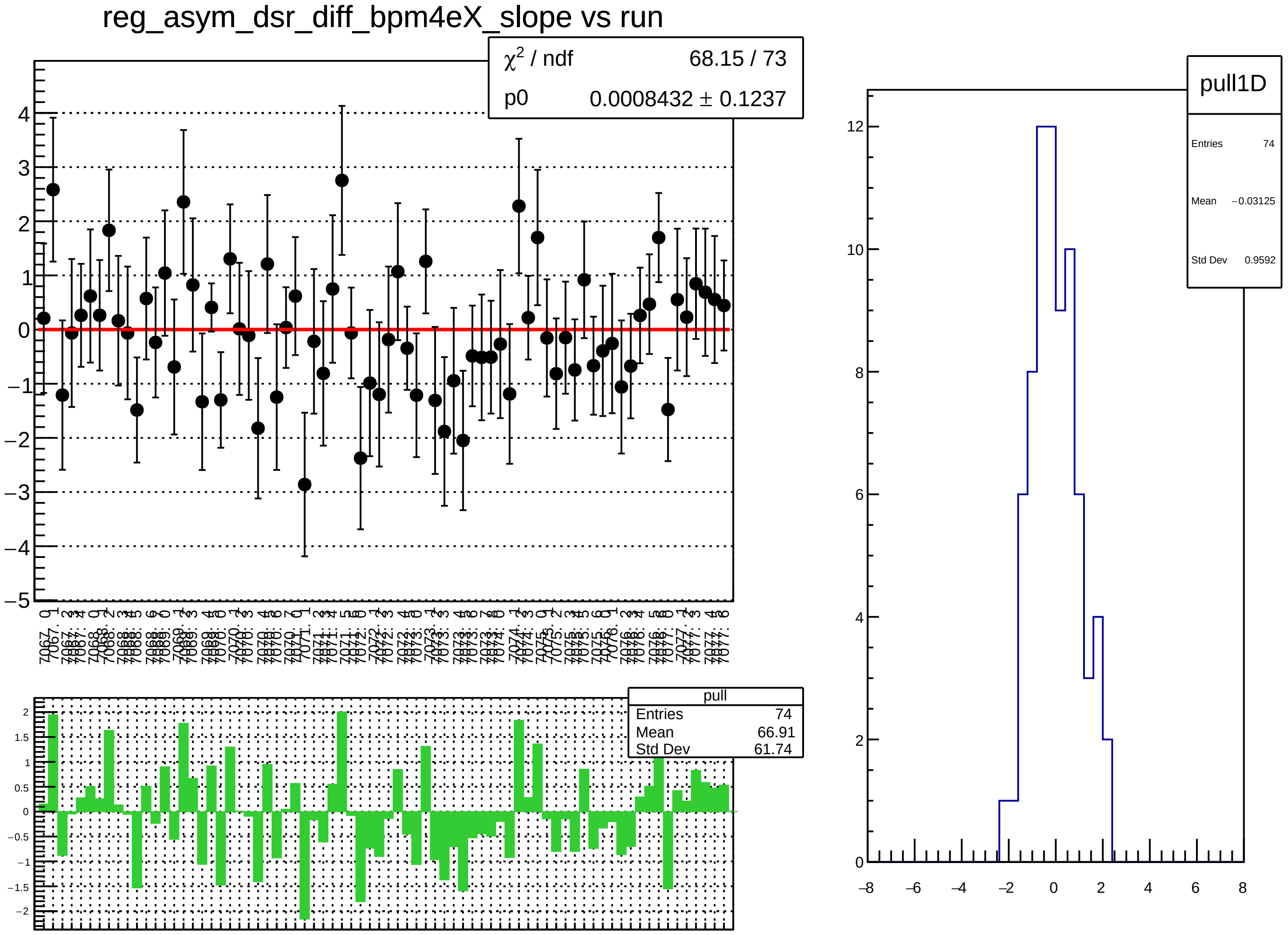
reg_asym_dsl_diff_bpm12X_slope vs run
χ2 / ndf 117.7 / 73
p0 −0.006064 ± 0.005618
pull
Entries 74
Mean 148.7
Std Dev 91.97
pull1D
Entries 74
Mean −0.02309
Std Dev 1.261



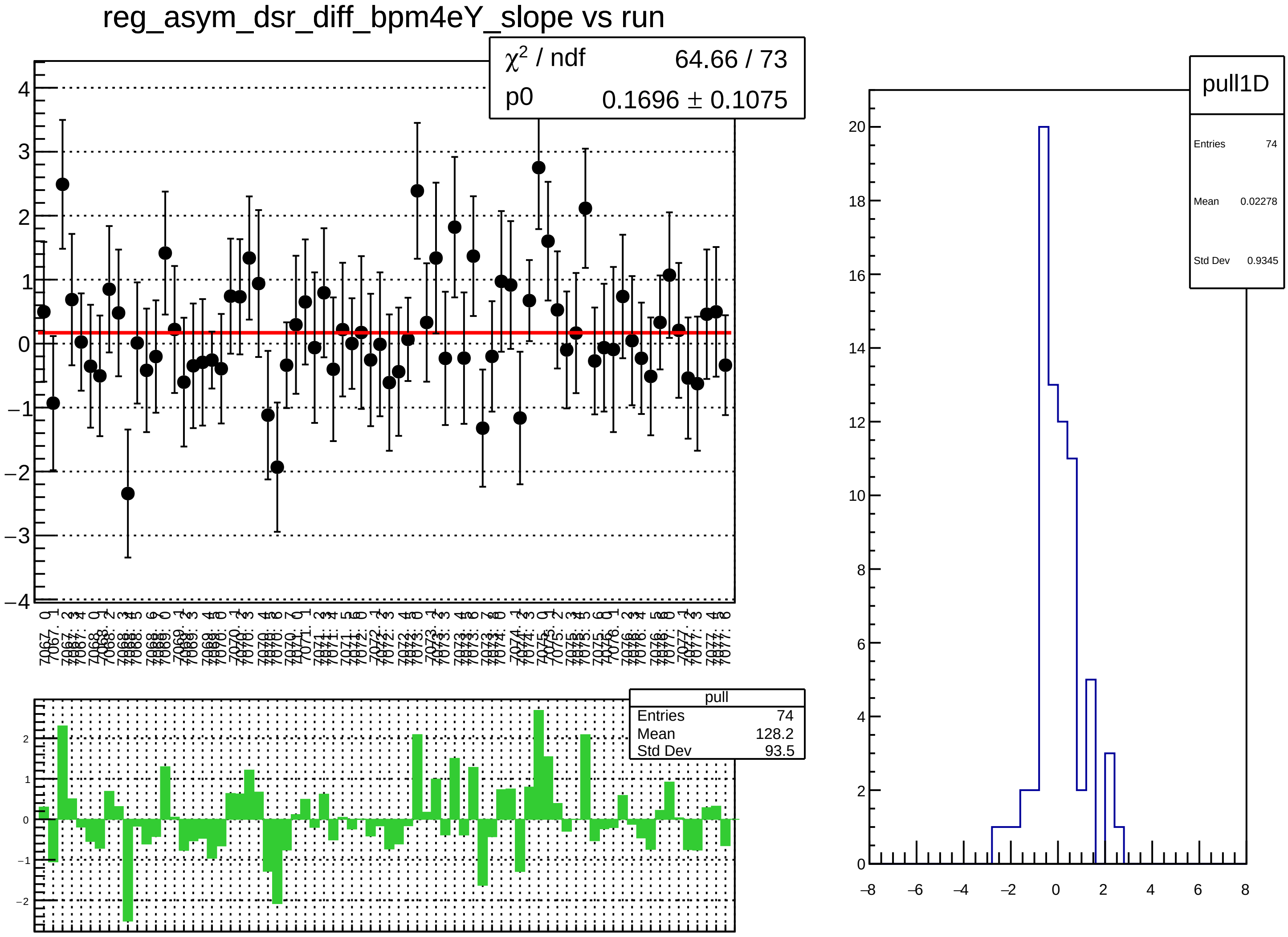
reg_asym_dsr_diff_bpm1X_slope vs run
χ^2 / ndf 73.04 / 73
p0 −0.03868 ± 0.1285
pull
Entries 74
Mean 42.94
Std Dev 57.55
pull1D
Entries 74
Mean 0.03394
Std Dev 0.9929



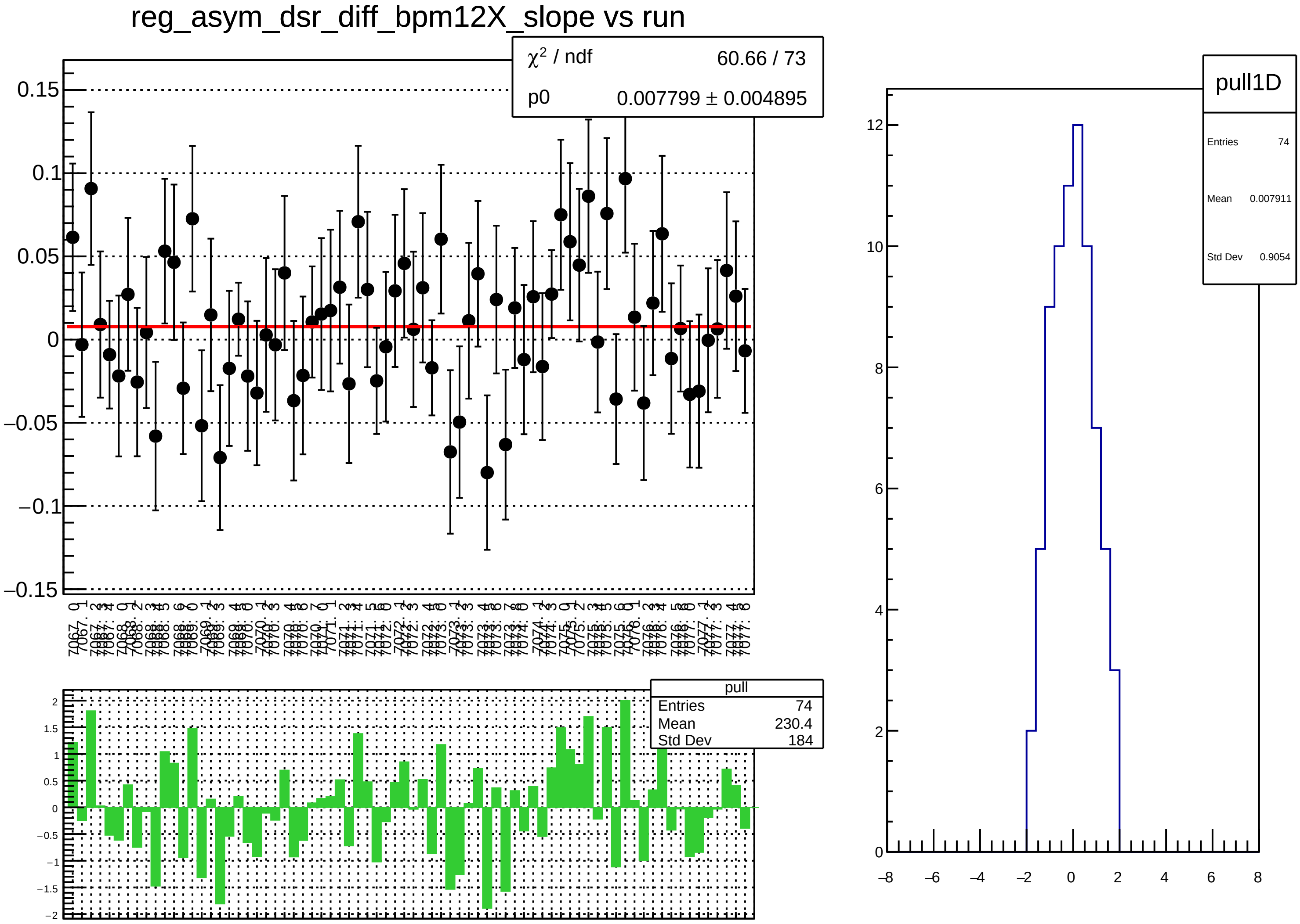
reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 62.8 / 73
p0 −0.2008 ± 0.1035
pull
Entries 74
Mean 133.3
Std Dev 96.28
pull1D
Entries 74
Mean −0.02499
Std Dev 0.9209

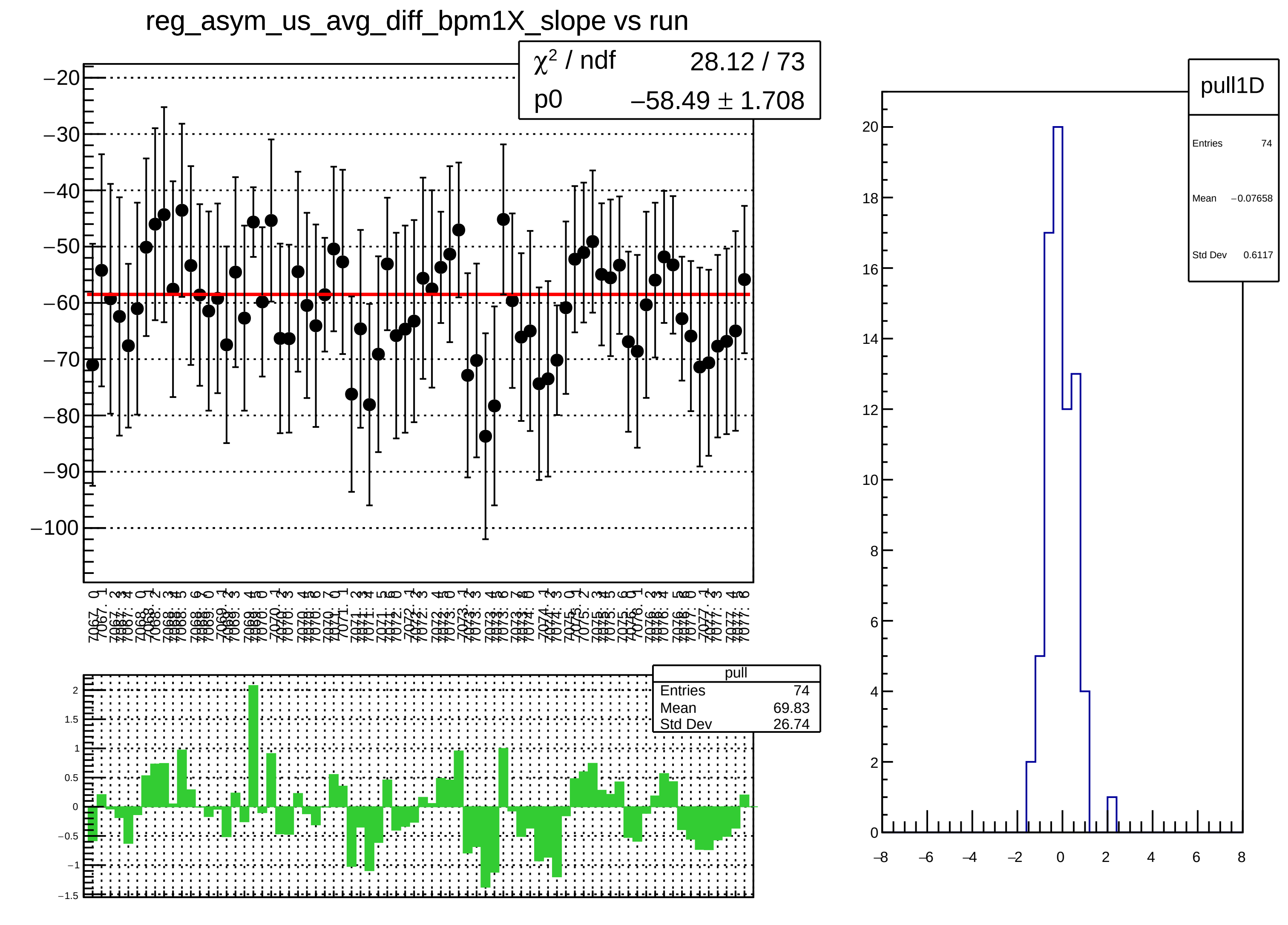


reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 68.15 / 73
p0 0.0008432 ± 0.1237
pull
Entries 74
Mean 66.91
Std Dev 61.74
pull1D
Entries 74
Mean −0.03125
Std Dev 0.9592

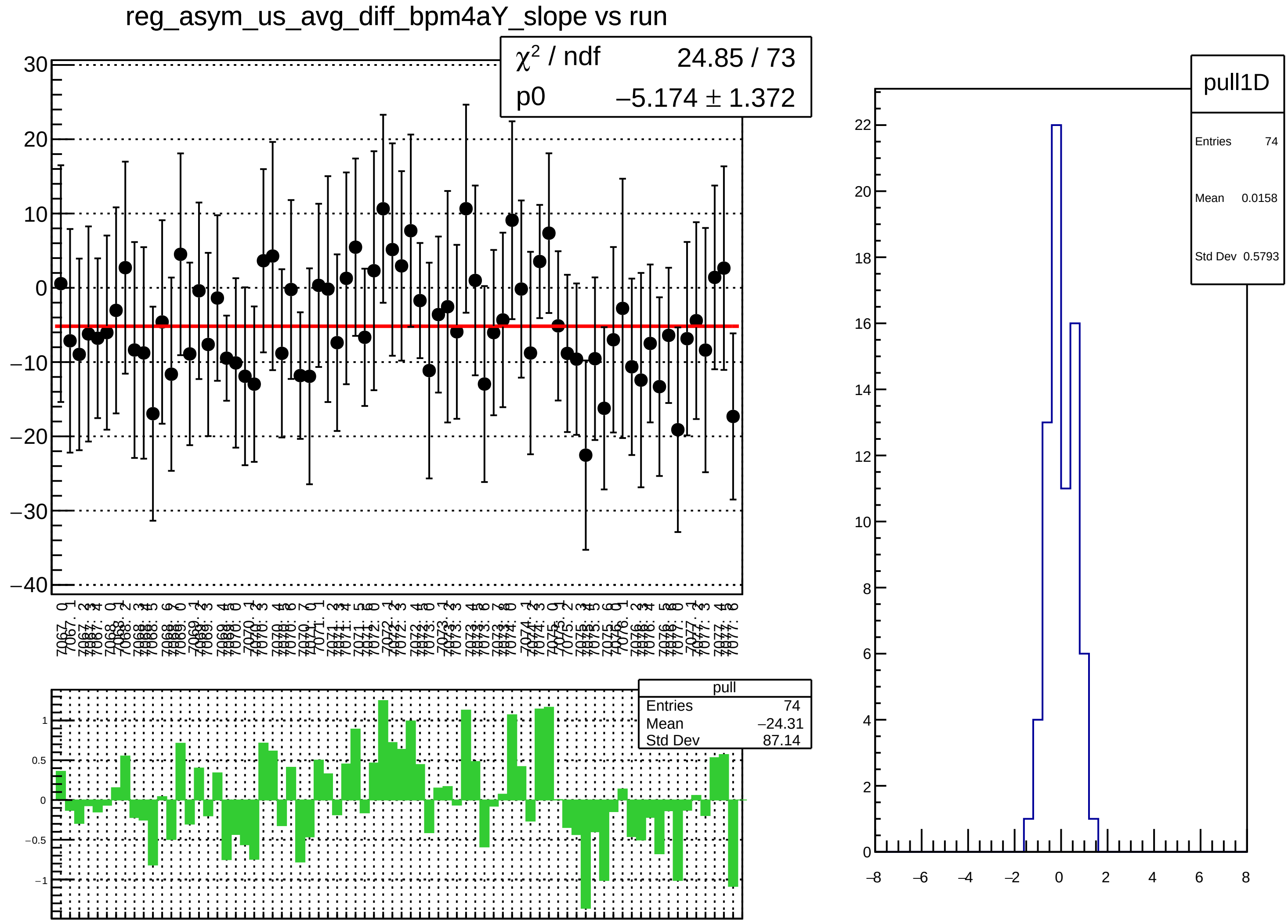


reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 64.66 / 73
p0 0.1696 ± 0.1075
pull
Entries 74
Mean 128.2
Std Dev 93.5
pull1D
Entries 74
Mean 0.02278
Std Dev 0.9345

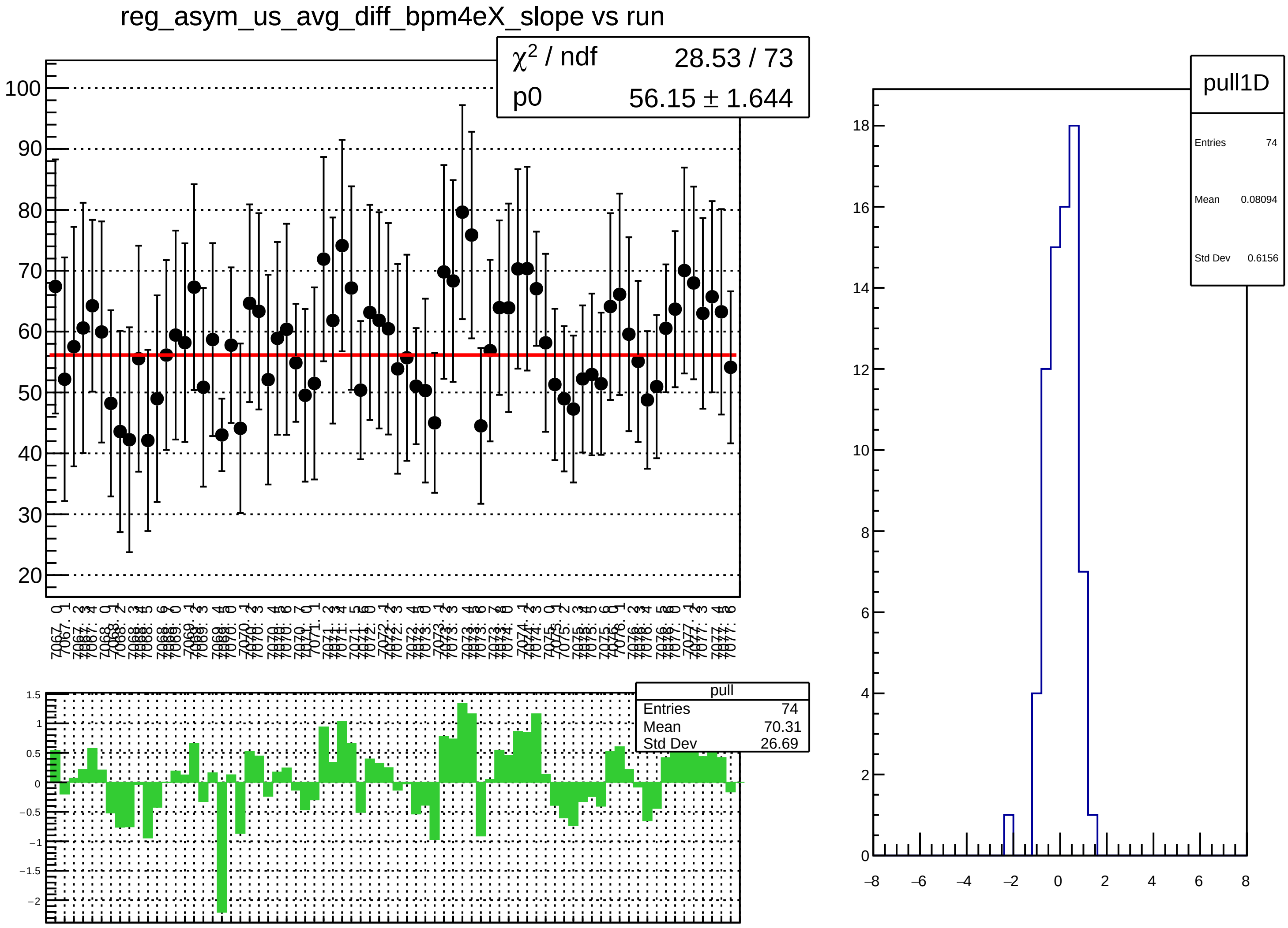

reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 60.66 / 73
p0 0.007799 ± 0.004895
pull
Entries 74
Mean 230.4
Std Dev 184
pull1D
Entries 74
Mean 0.007911
Std Dev 0.9054

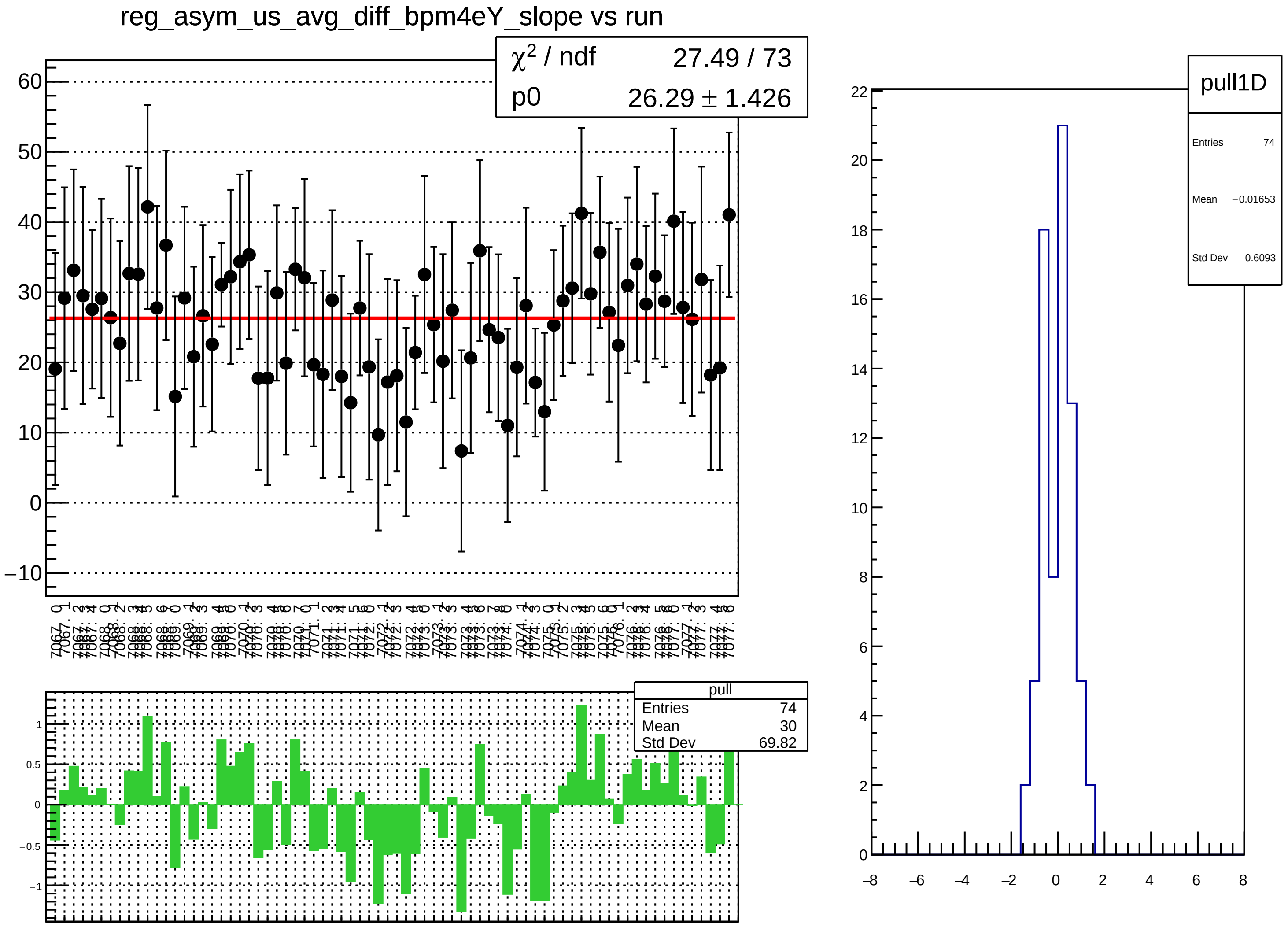


reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 28.12 / 73
p0 −58.49 ± 1.708
pull
Entries 74
Mean 69.83
Std Dev 26.74
pull1D
Entries 74
Mean −0.07658
Std Dev 0.6117

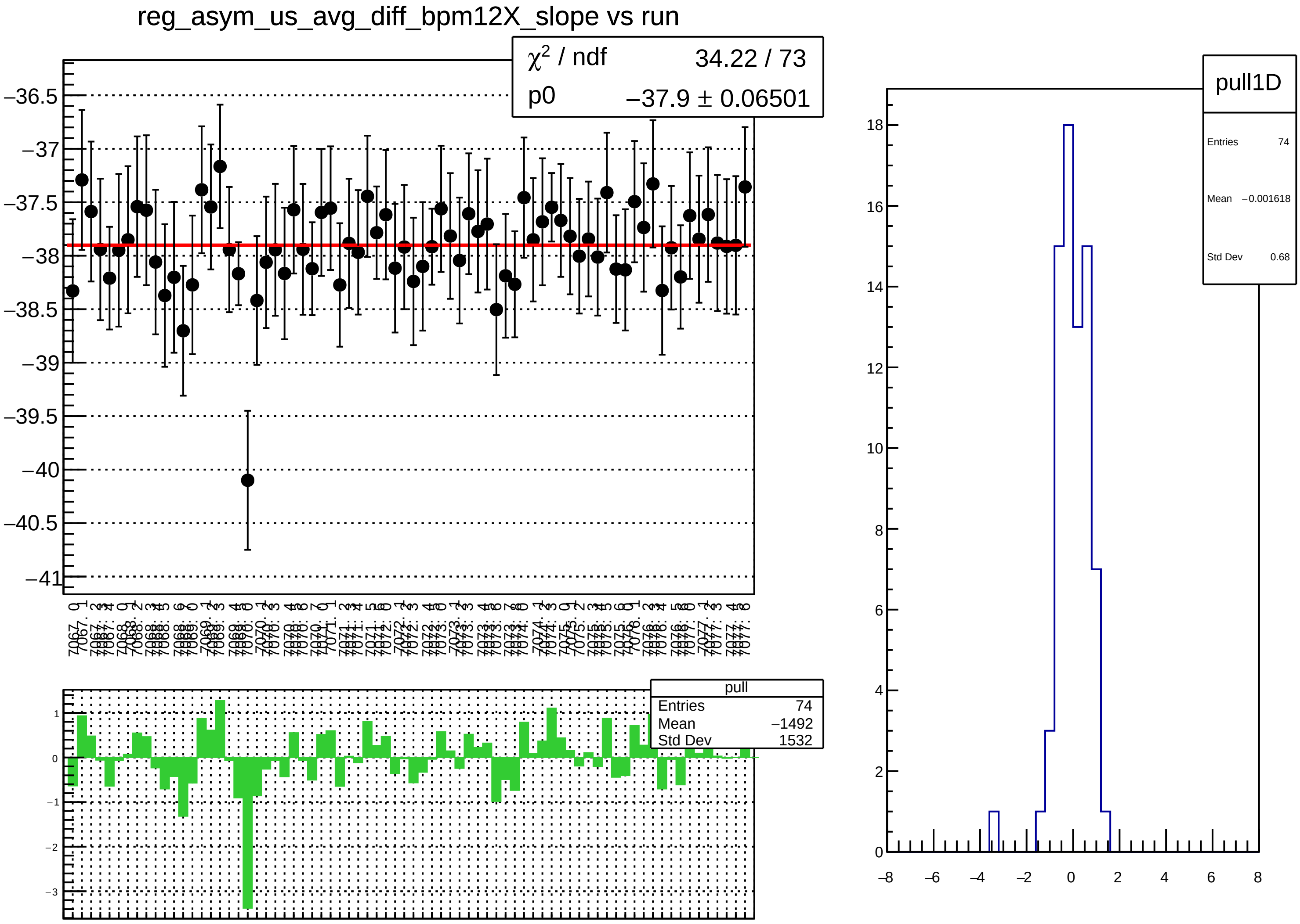


reg_asym_us_avg_diff_bpm4aY_slope vs run
χ2 / ndf 24.85 / 73
p0 −5.174 ± 1.372
pull
Entries 74
Mean −24.31
Std Dev 87.14
pull1D
Entries 74
Mean 0.0158
Std Dev 0.5793

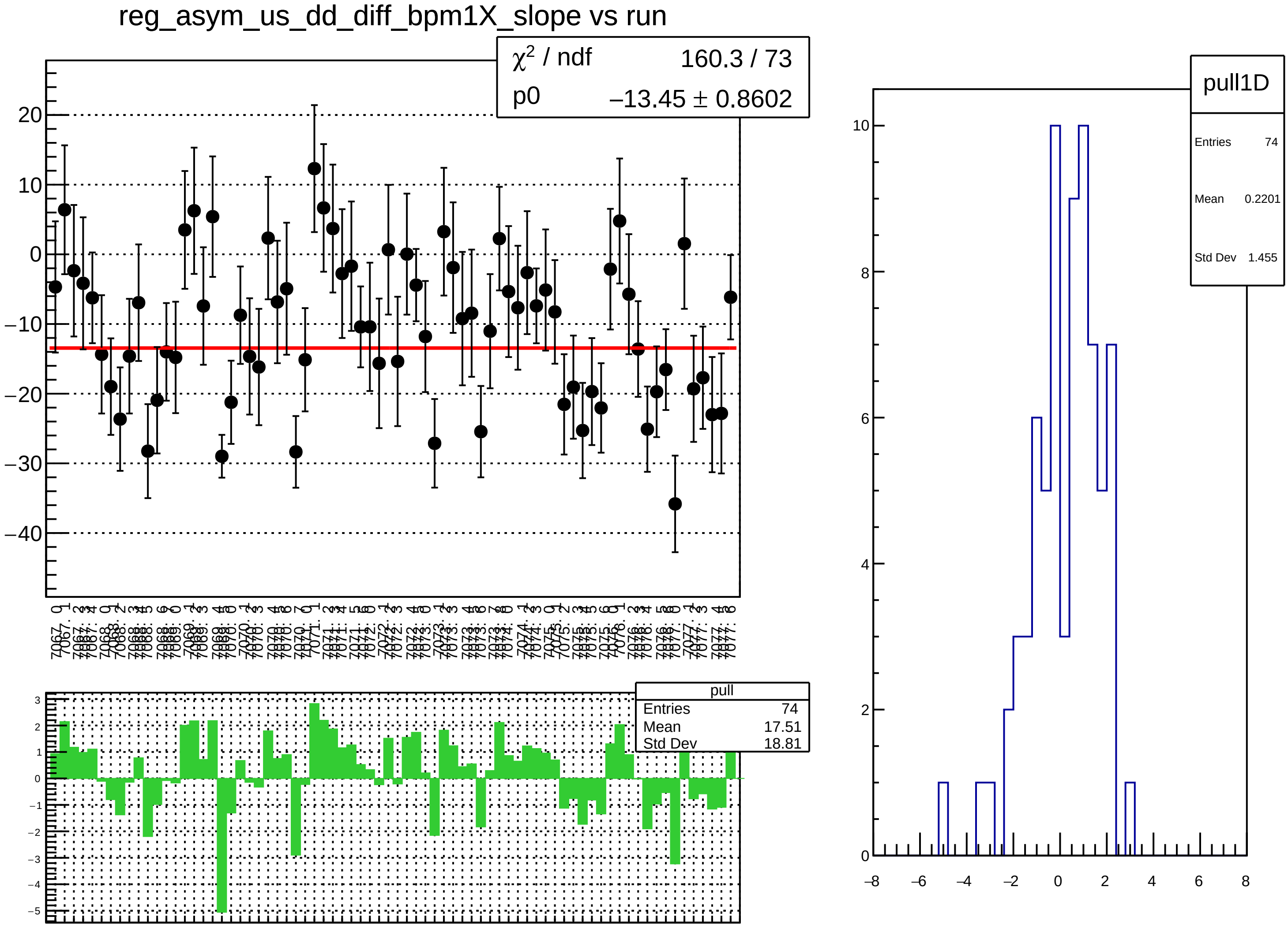

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 28.53 / 73
p0 56.15 ± 1.644
pull
Entries 74
Mean 70.31
Std Dev 26.69
pull1D
Entries 74
Mean 0.08094
Std Dev 0.6156



reg_asym_us_avg_diff_bpm4eY_slope vs run
χ2 / ndf 27.49 / 73
p0 26.29 ± 1.426
pull
Entries 74
Mean 30
Std Dev 69.82
pull1D
Entries 74
Mean −0.01653
Std Dev 0.6093

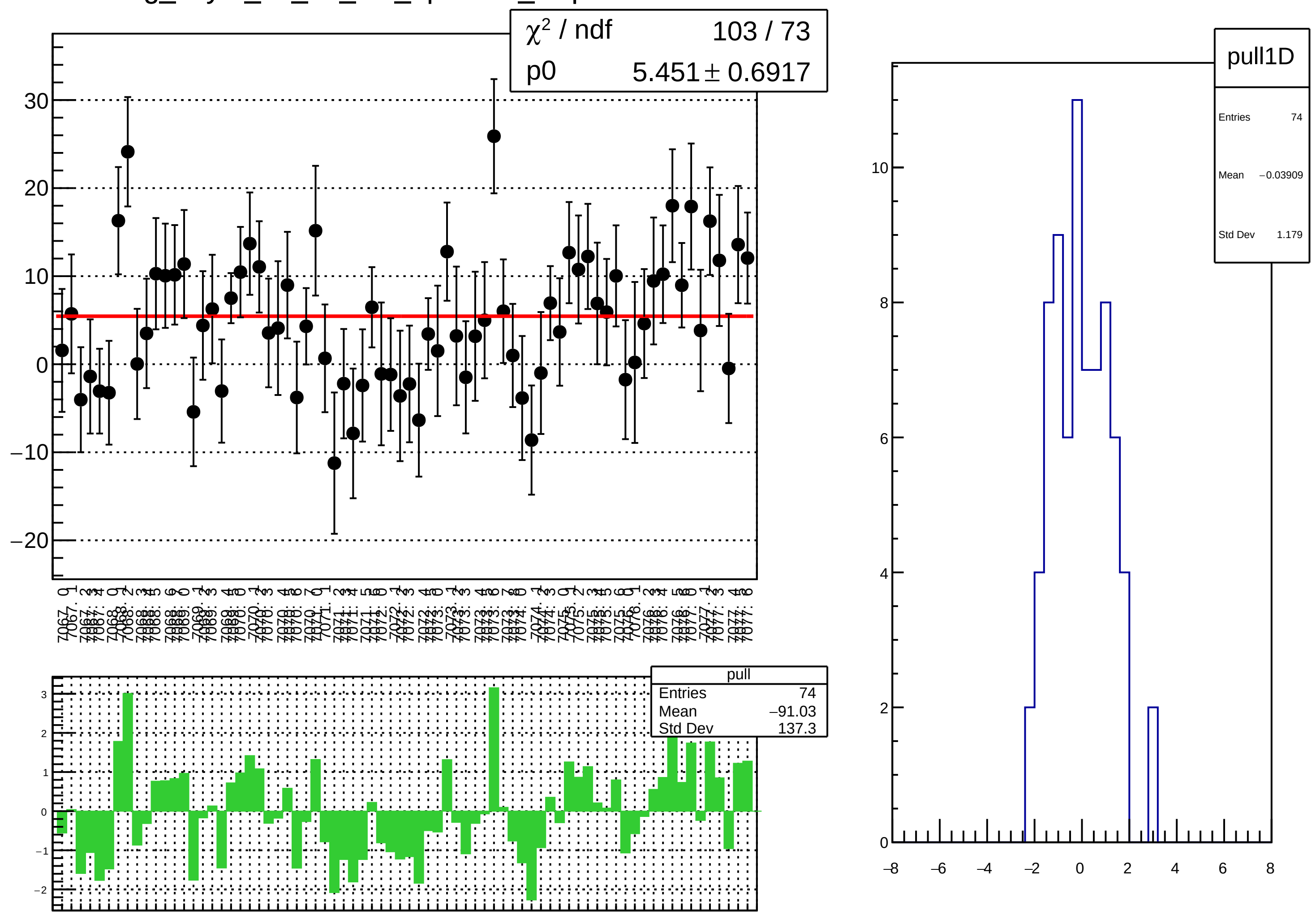


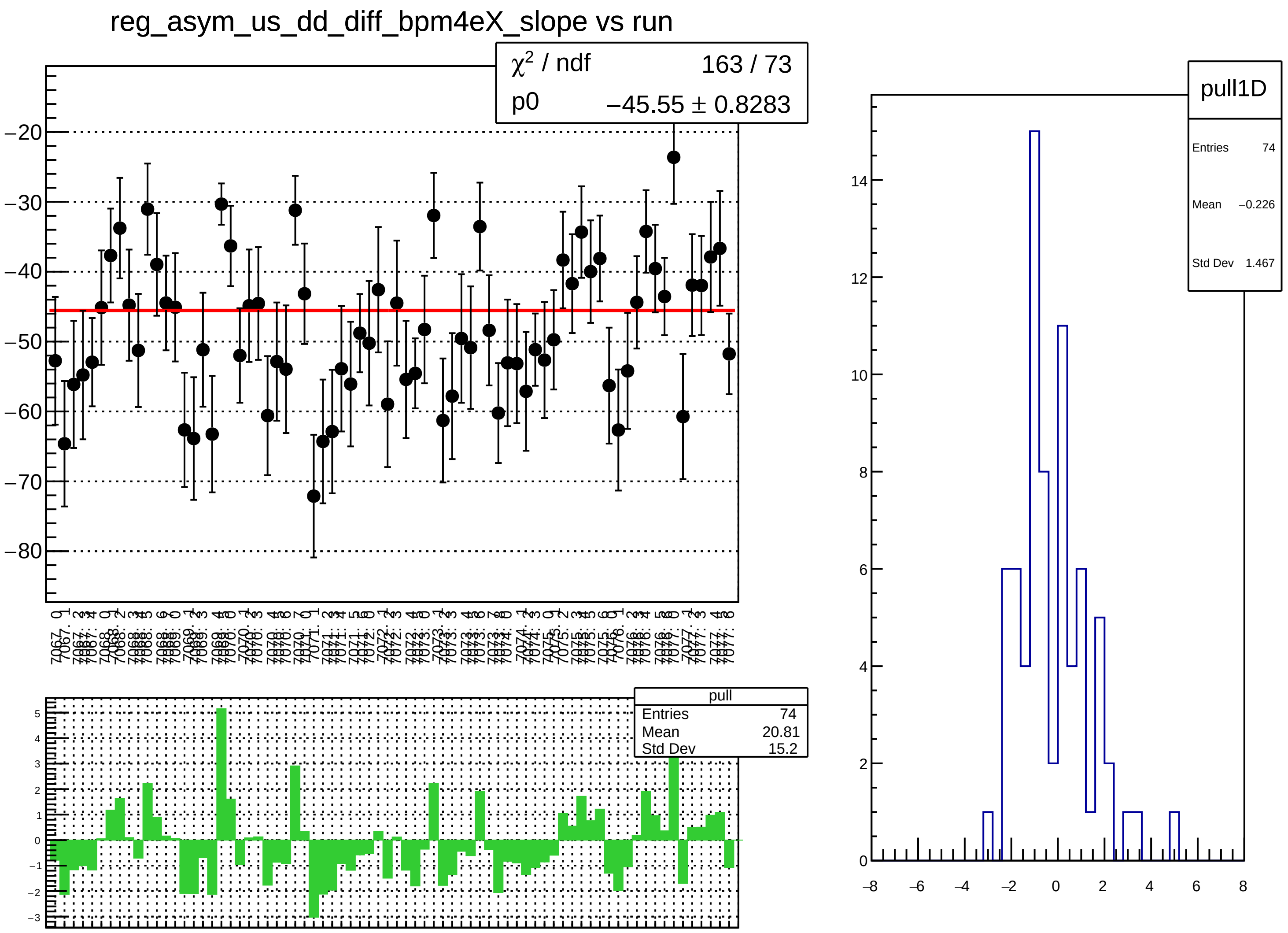
reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 34.22 / 73
p0 −37.9 ± 0.06501
pull
Entries 74
Mean −1492
Std Dev 1532
pull1D
Entries 74
Mean −0.001618
Std Dev 0.68

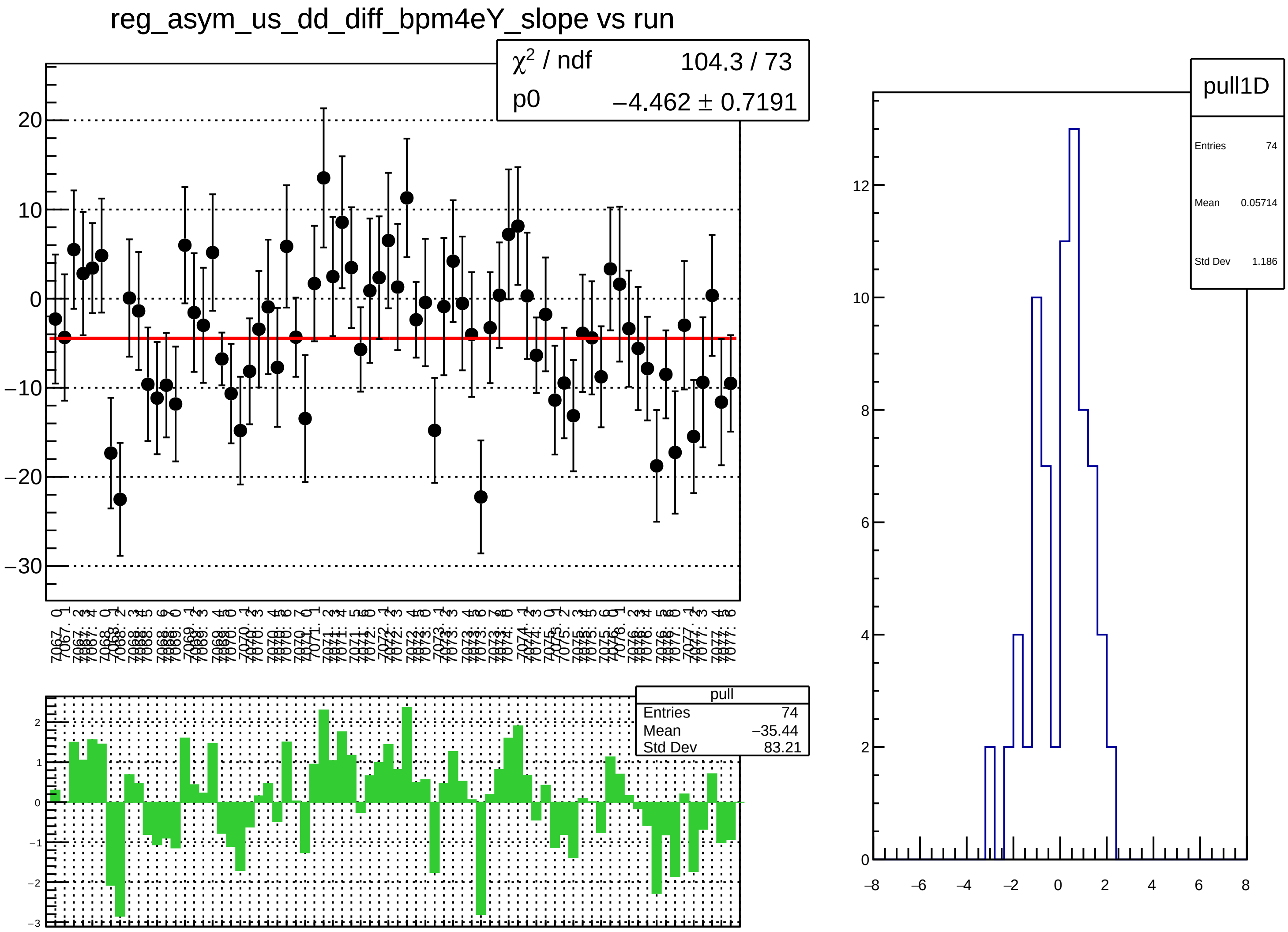


reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 160.3 / 73
p0 −13.45 ± 0.8602
pull
Entries 74
Mean 17.51
Std Dev 18.81
pull1D
Entries 74
Mean 0.2201
Std Dev 1.455

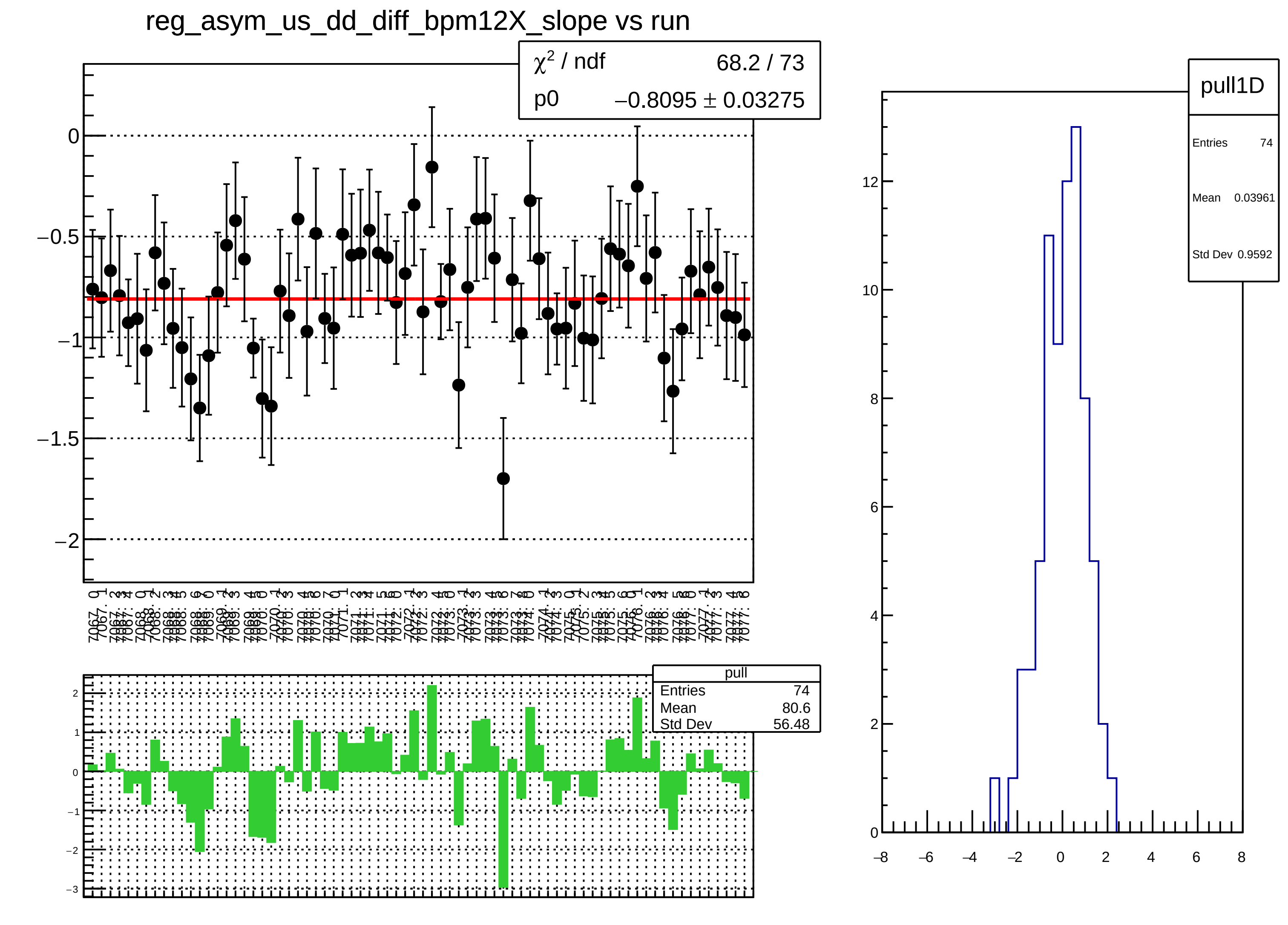
reg_asym_us_dd_diff_bpm4aY_slope vs run



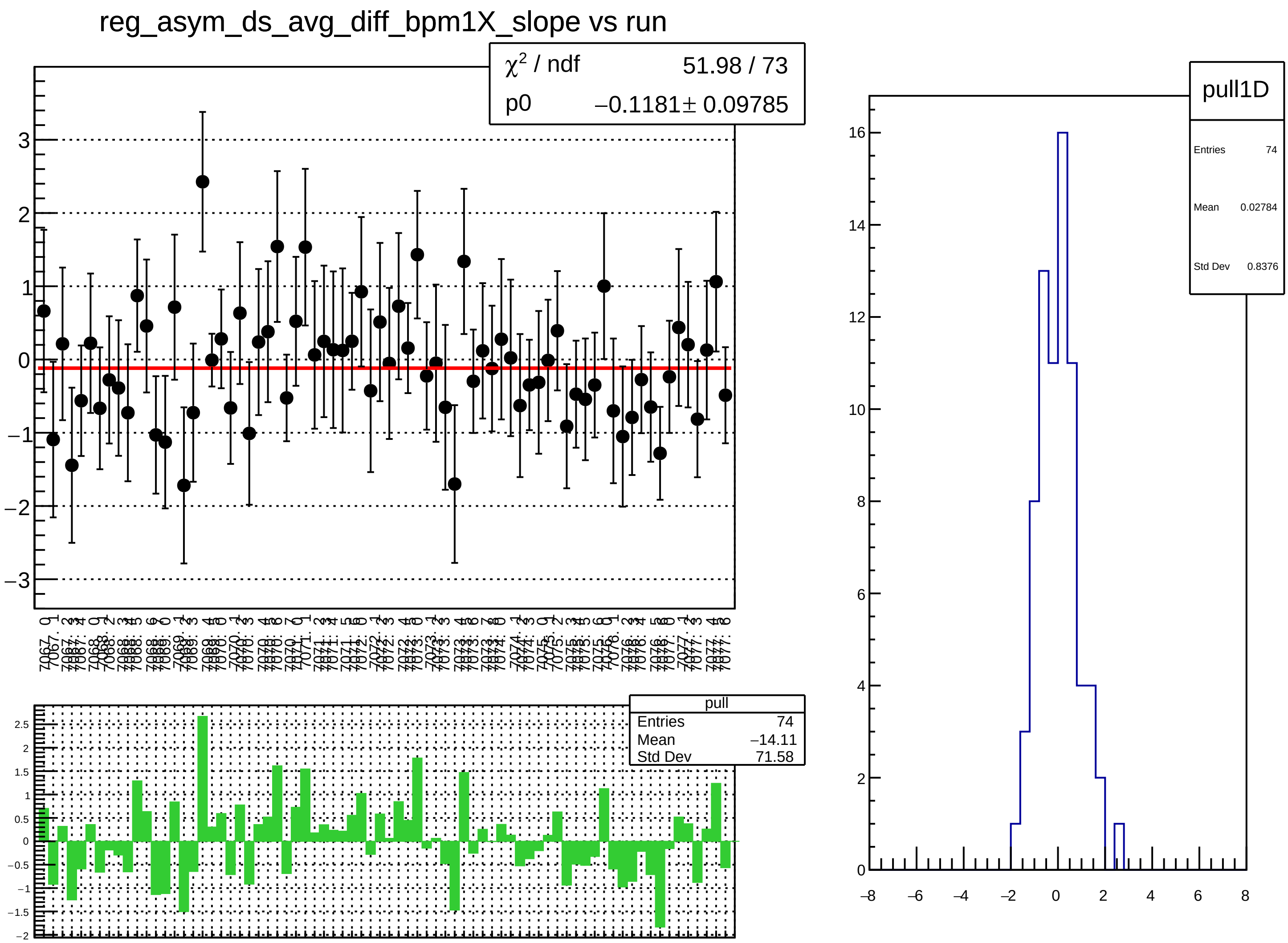

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 163 / 73
p0 −45.55 ± 0.8283
pull
Entries 74
Mean 20.81
Std Dev 15.2
pull1D
Entries 74
Mean −0.226
Std Dev 1.467



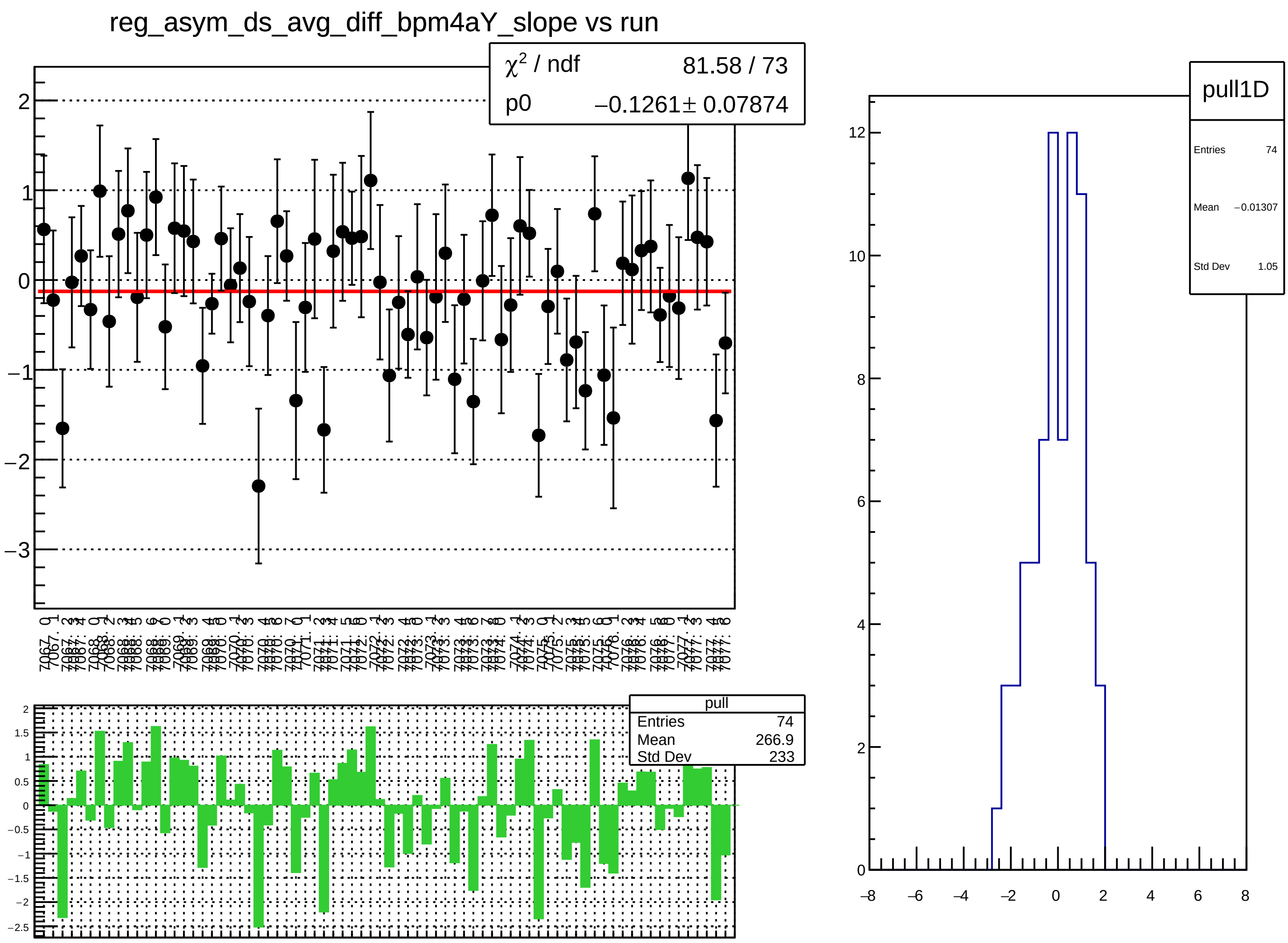
reg_asym_us_dd_diff_bpm4eY_slope vs run
χ2 / ndf 104.3 / 73
p0 −4.462 ± 0.7191
pull
Entries 74
Mean −35.44
Std Dev 83.21
pull1D
Entries 74
Mean 0.05714
Std Dev 1.186

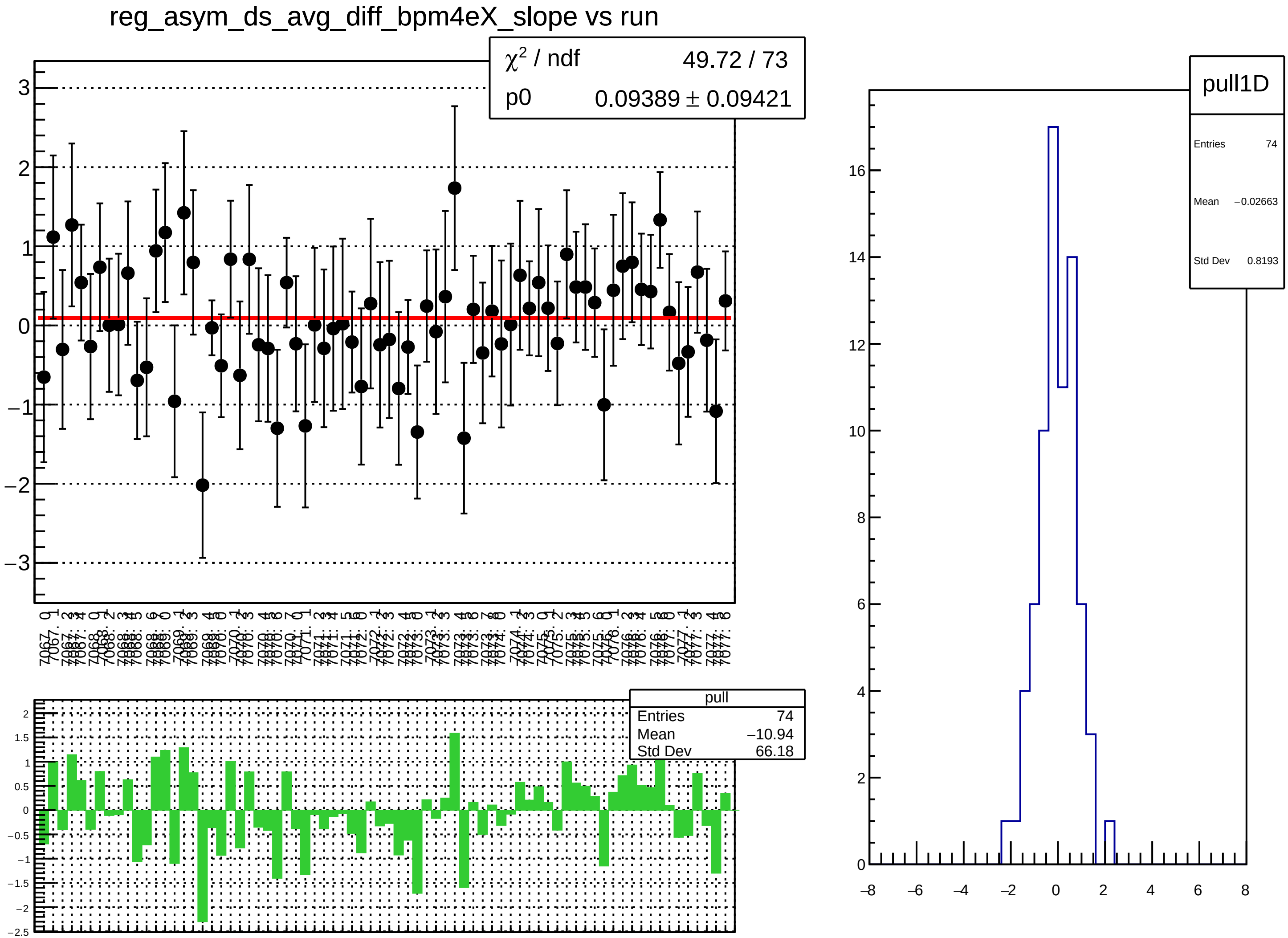


reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 68.2 / 73
p0 −0.8095 ± 0.03275
pull
Entries 74
Mean 80.6
Std Dev 56.48
pull1D
Entries 74
Mean 0.03961
Std Dev 0.9592

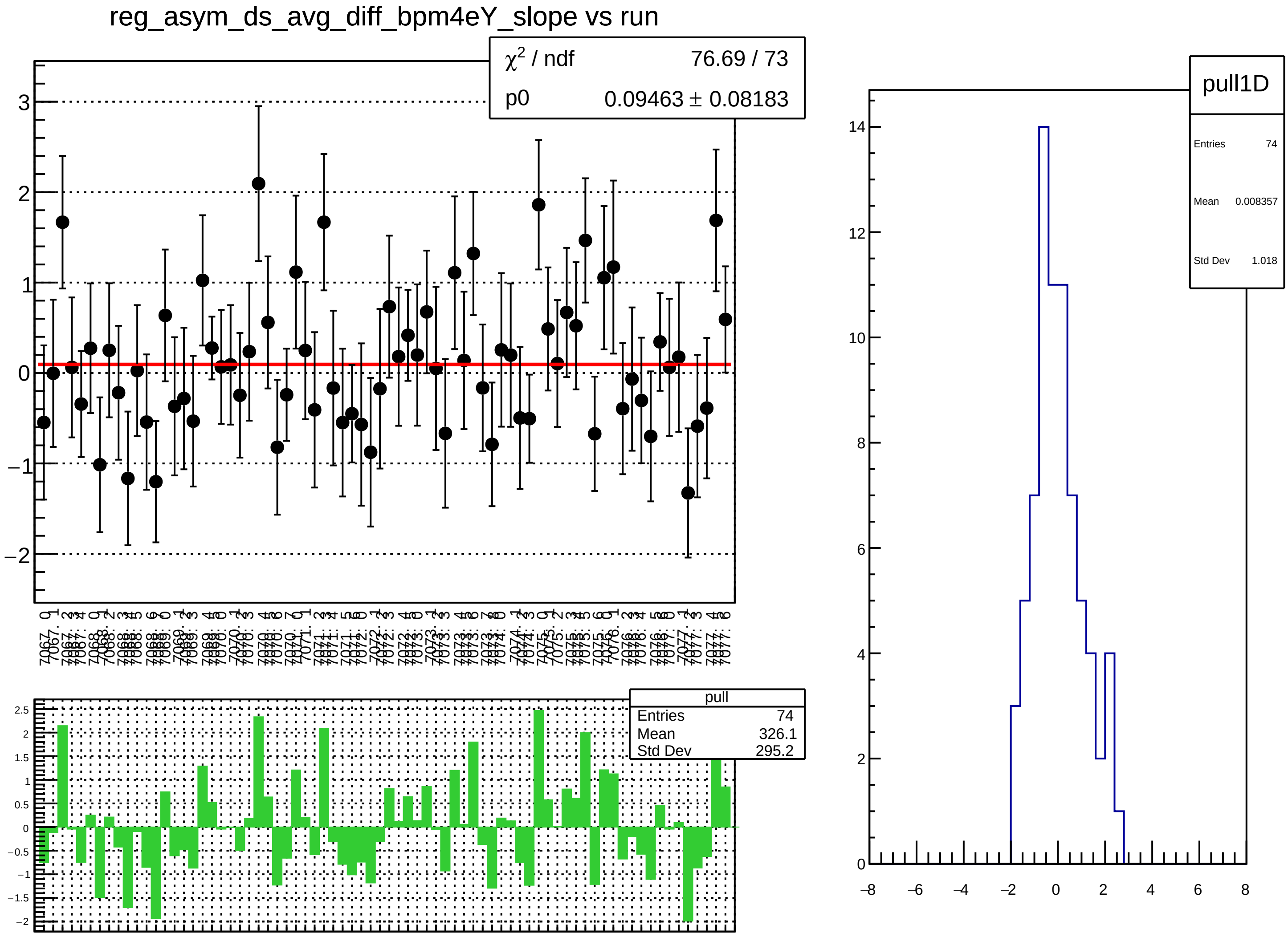


reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 51.98 / 73
p0 −0.1181 ± 0.09785
pull
Entries 74
Mean −14.11
Std Dev 71.58
pull1D
Entries 74
Mean 0.02784
Std Dev 0.8376

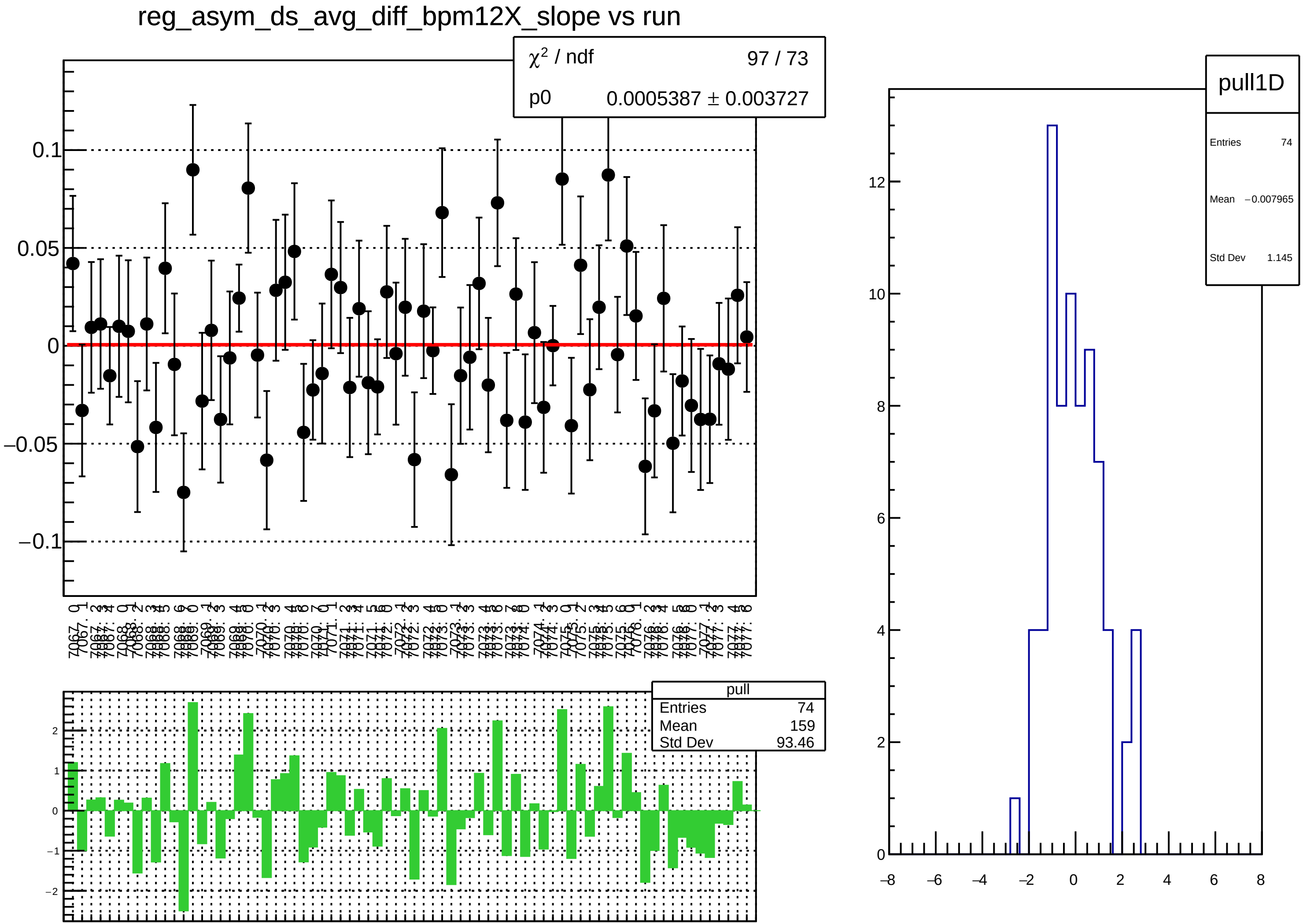

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 81.58 / 73
p0 −0.1261 ± 0.07874
pull
Entries 74
Mean 266.9
Std Dev 233
pull1D
Entries 74
Mean −0.01307
Std Dev 1.05



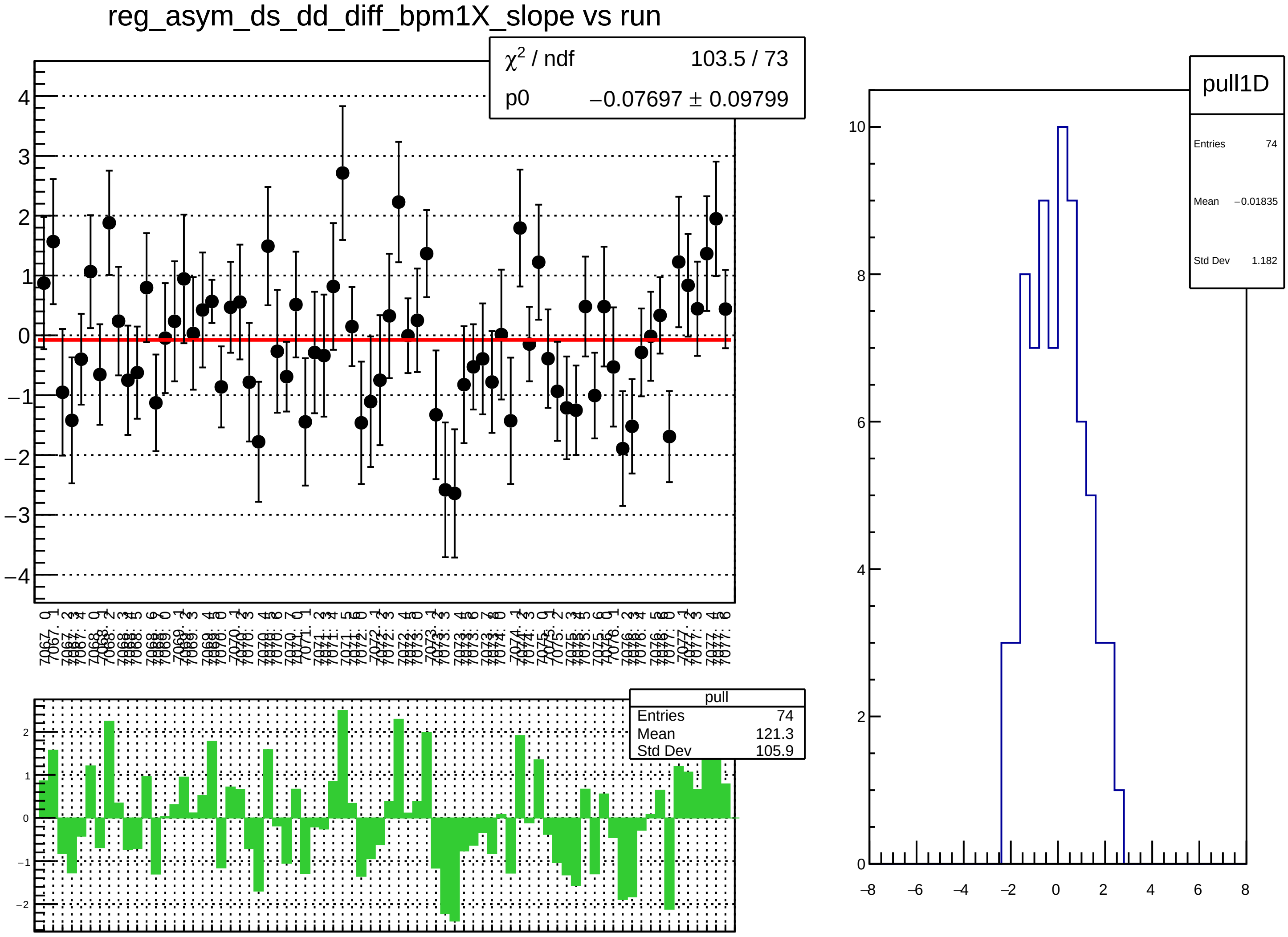
reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 49.72 / 73
p0 0.09389 ± 0.09421
pull
Entries 74
Mean −10.94
Std Dev 66.18
pull1D
Entries 74
Mean −0.02663
Std Dev 0.8193



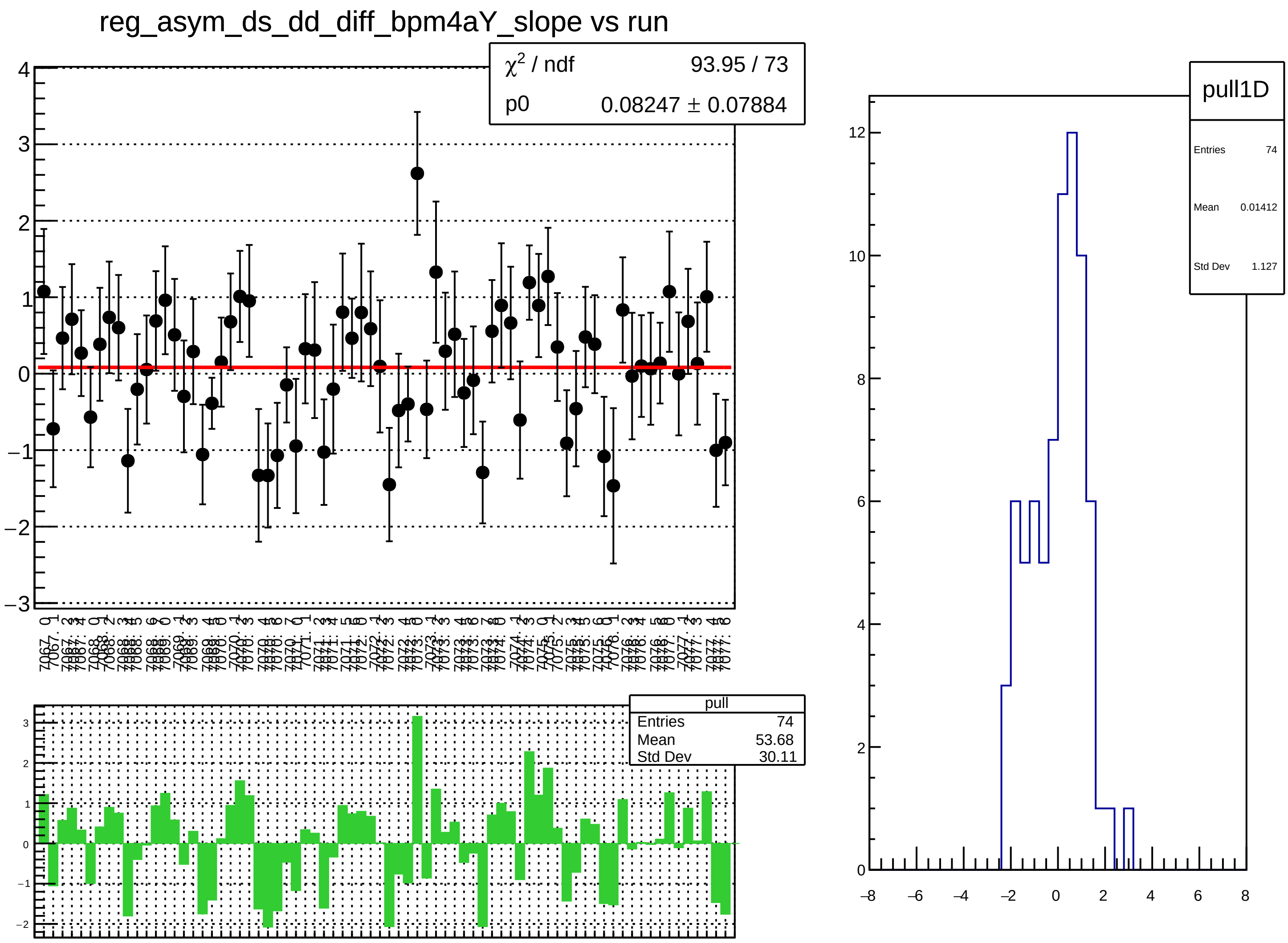
reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 76.69 / 73
p0 0.09463 ± 0.08183
pull
Entries 74
Mean 326.1
Std Dev 295.2
pull1D
Entries 74
Mean 0.008357
Std Dev 1.018



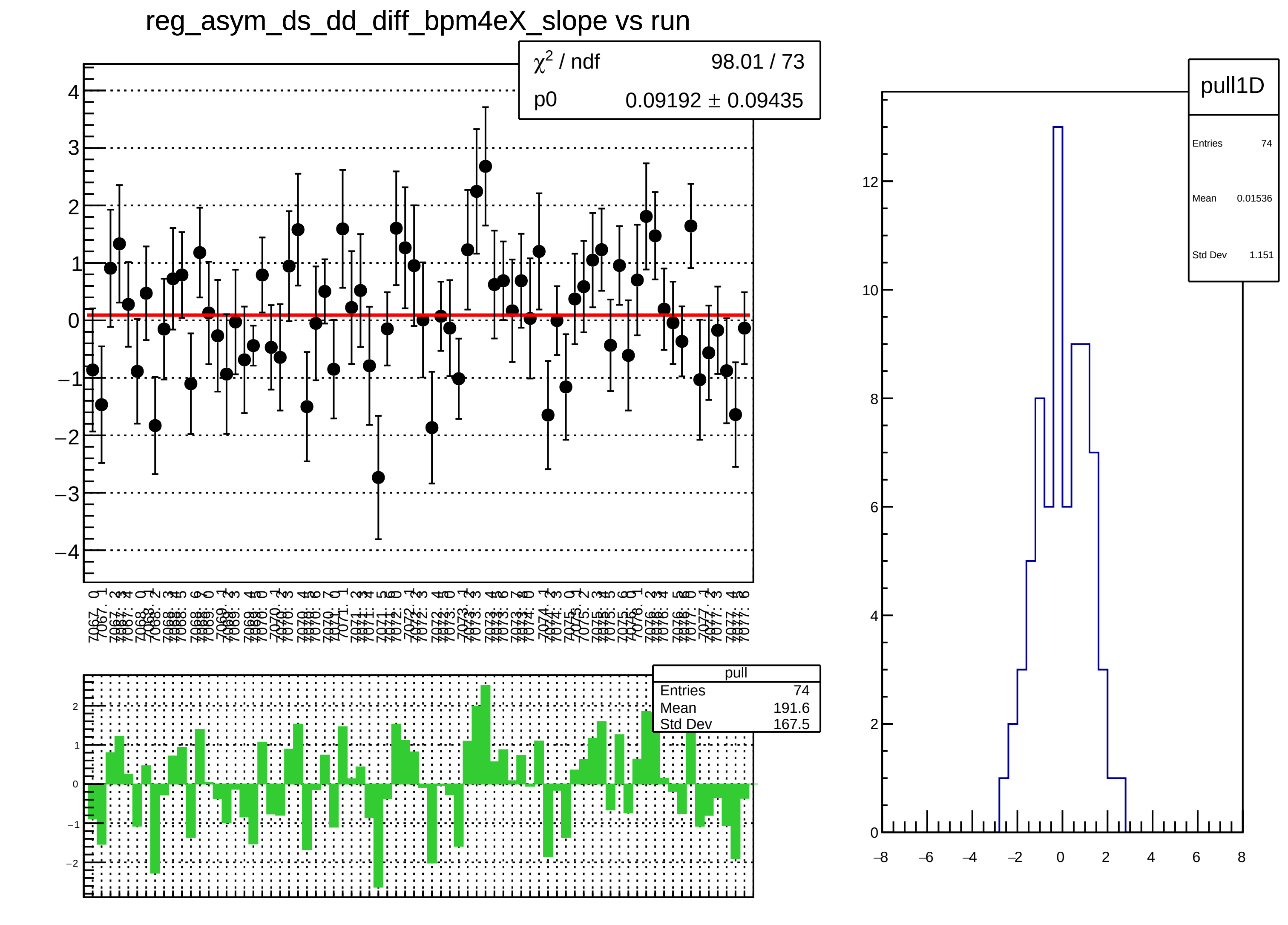
reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 97 / 73
p0 0.0005387 ± 0.003727
pull
Entries 74
Mean 159
Std Dev 93.46
pull1D
Entries 74
Mean −0.007965
Std Dev 1.145



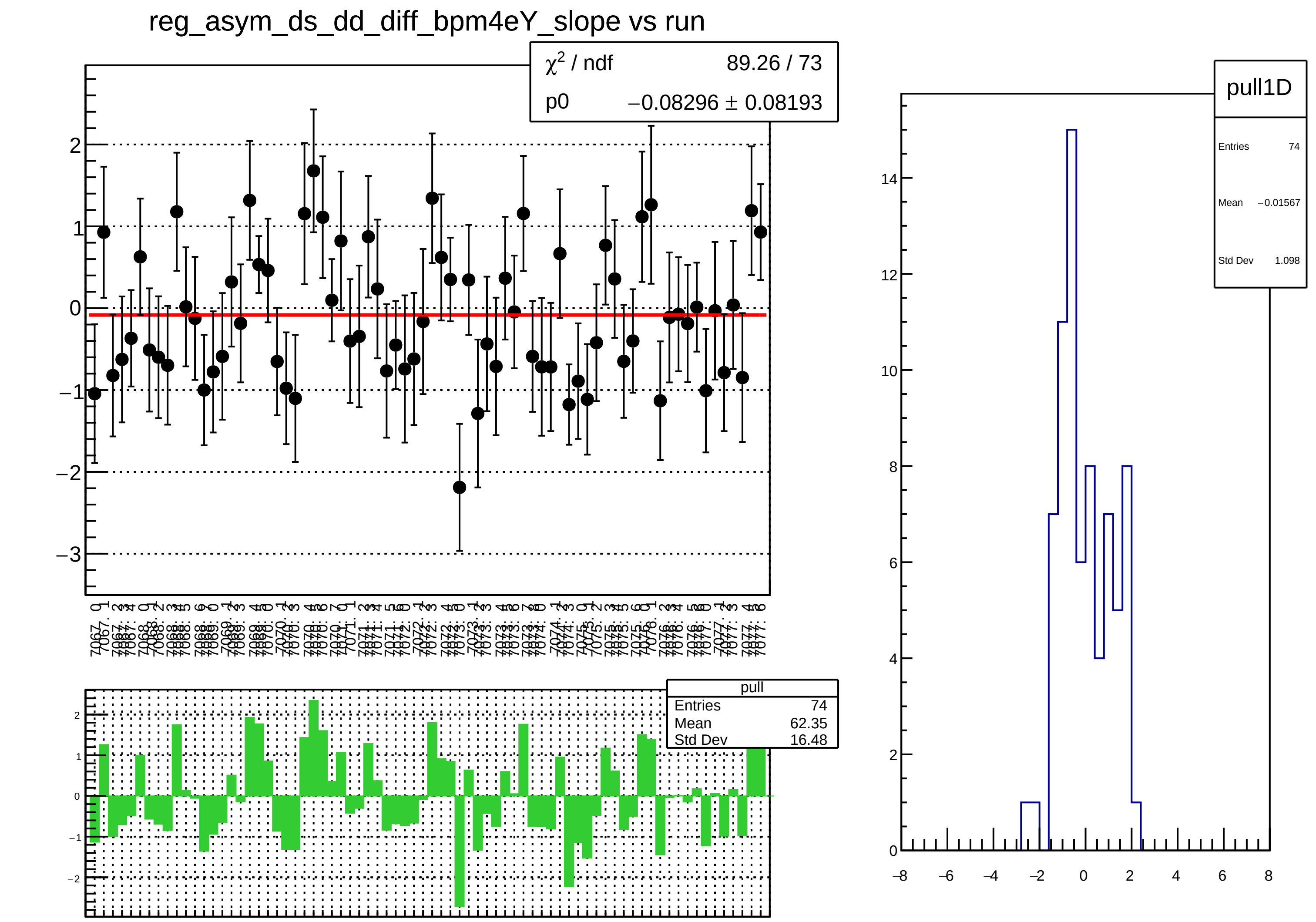
reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 103.5 / 73
p0 −0.07697 ± 0.09799
pull
Entries 74
Mean 121.3
Std Dev 105.9
pull1D
Entries 74
Mean −0.01835
Std Dev 1.182



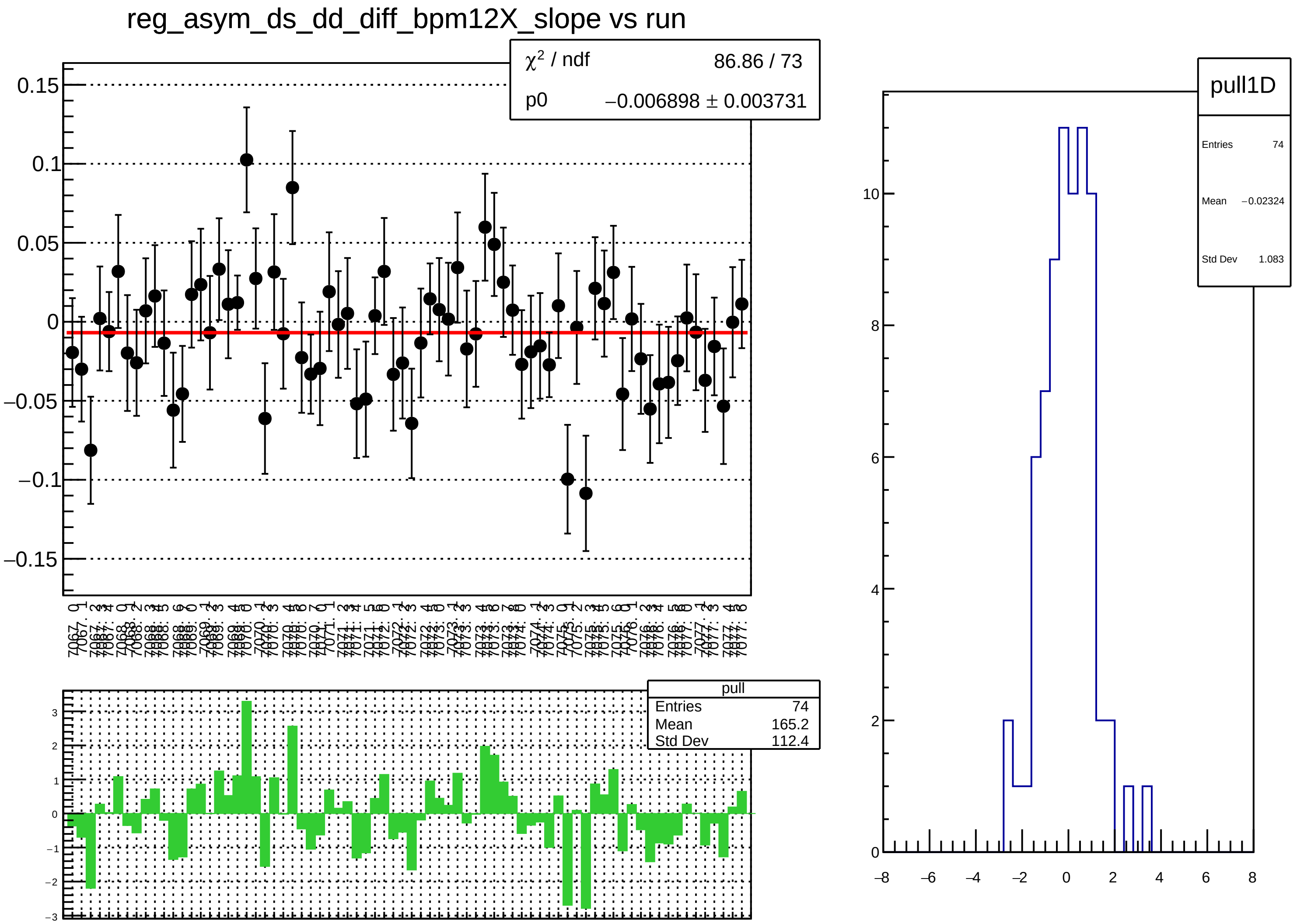
reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 93.95 / 73
p0 0.08247 ± 0.07884
pull
Entries 74
Mean 53.68
Std Dev 30.11
pull1D
Entries 74
Mean 0.01412
Std Dev 1.127



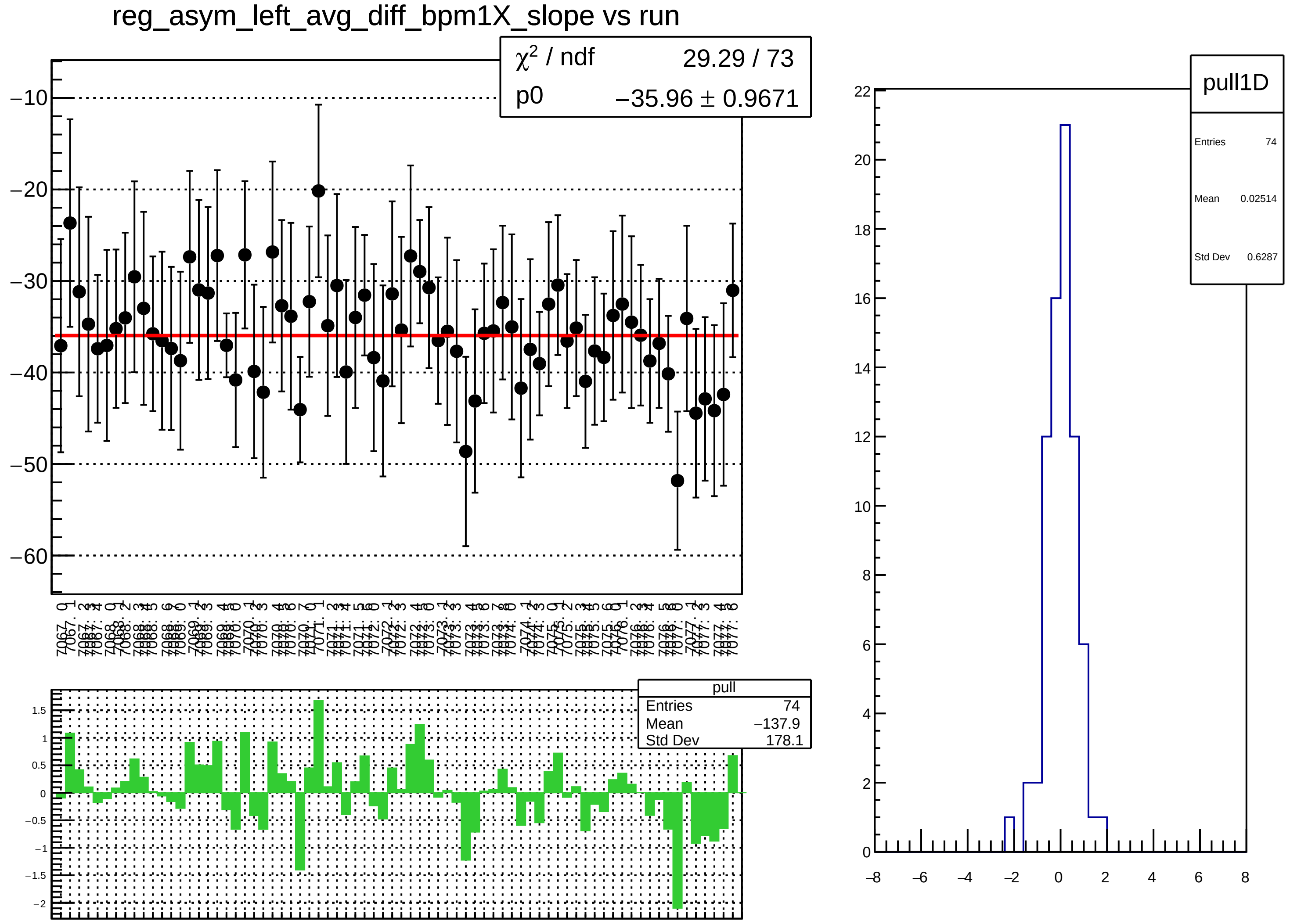
reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 98.01 / 73
p0 0.09192 ± 0.09435
pull
Entries 74
Mean 191.6
Std Dev 167.5
pull1D
Entries 74
Mean 0.01536
Std Dev 1.151



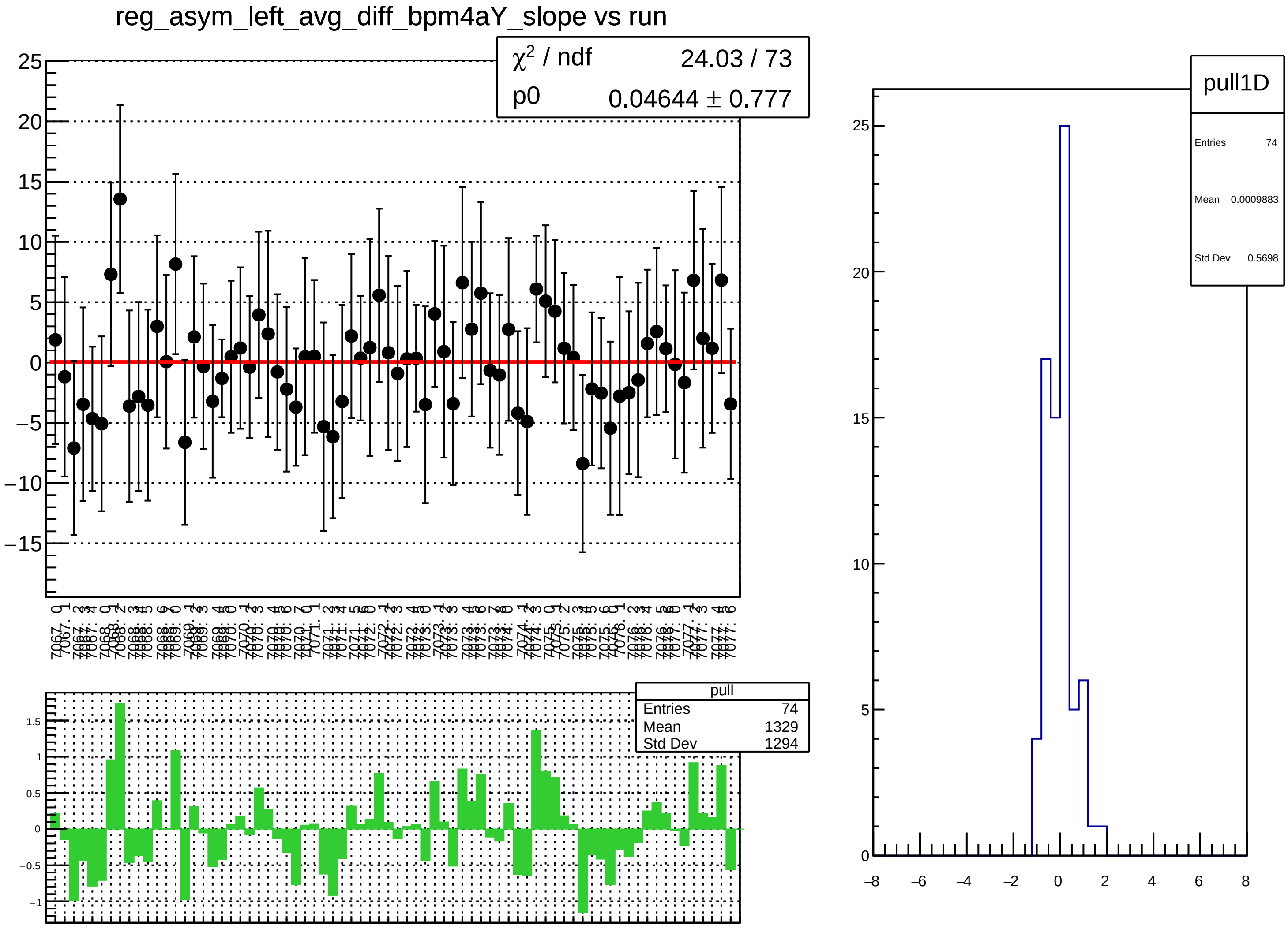
reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 89.26 / 73
p0 −0.08296 ± 0.08193
pull
Entries 74
Mean 62.35
Std Dev 16.48
pull1D
Entries 74
Mean −0.01567
Std Dev 1.098

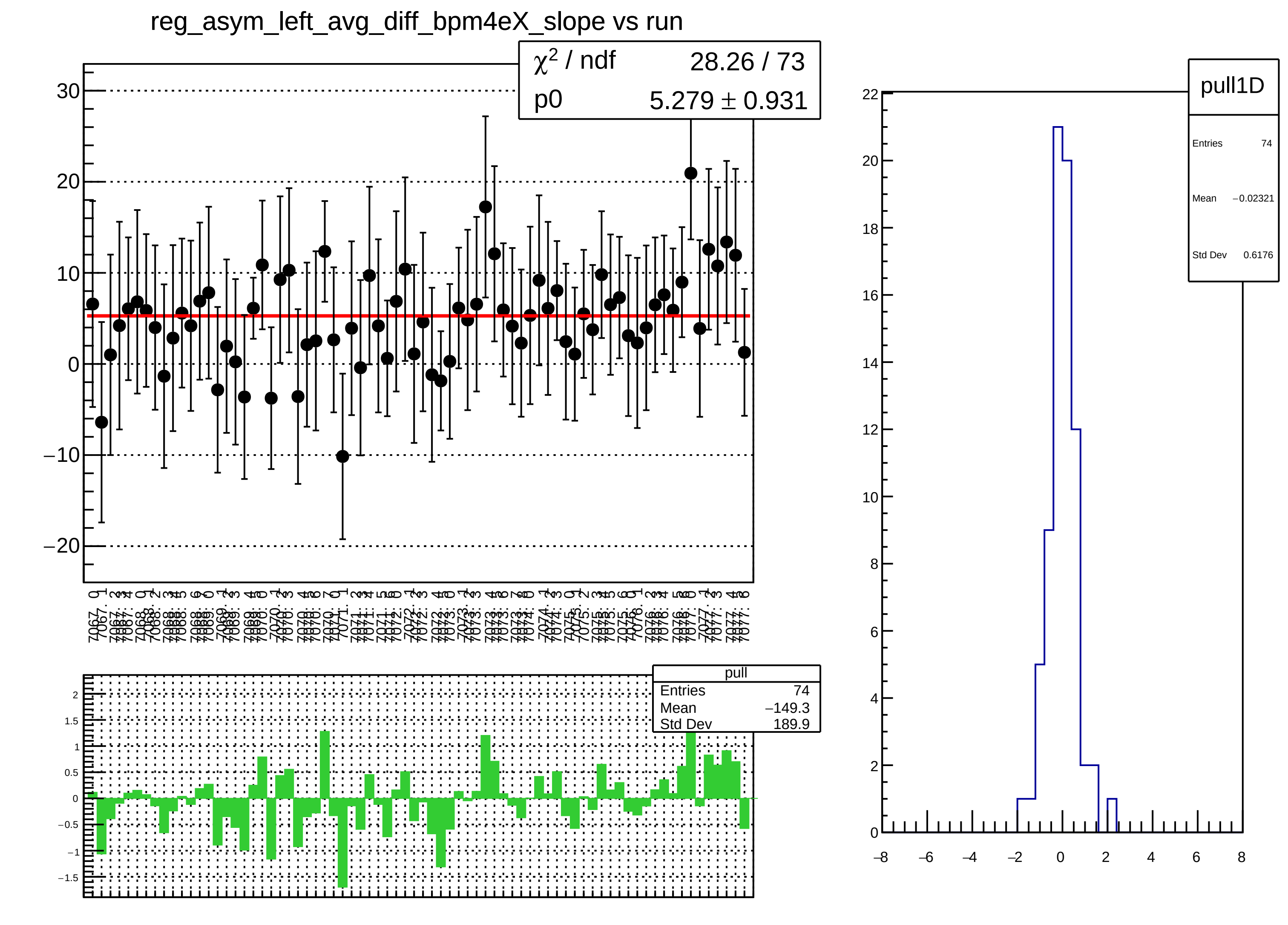


reg_asym_ds_dd_diff_bpm12X_slope vs run
χ2 / ndf 86.86 / 73
p0 −0.006898 ± 0.003731
pull
Entries 74
Mean 165.2
Std Dev 112.4
pull1D
Entries 74
Mean −0.02324
Std Dev 1.083

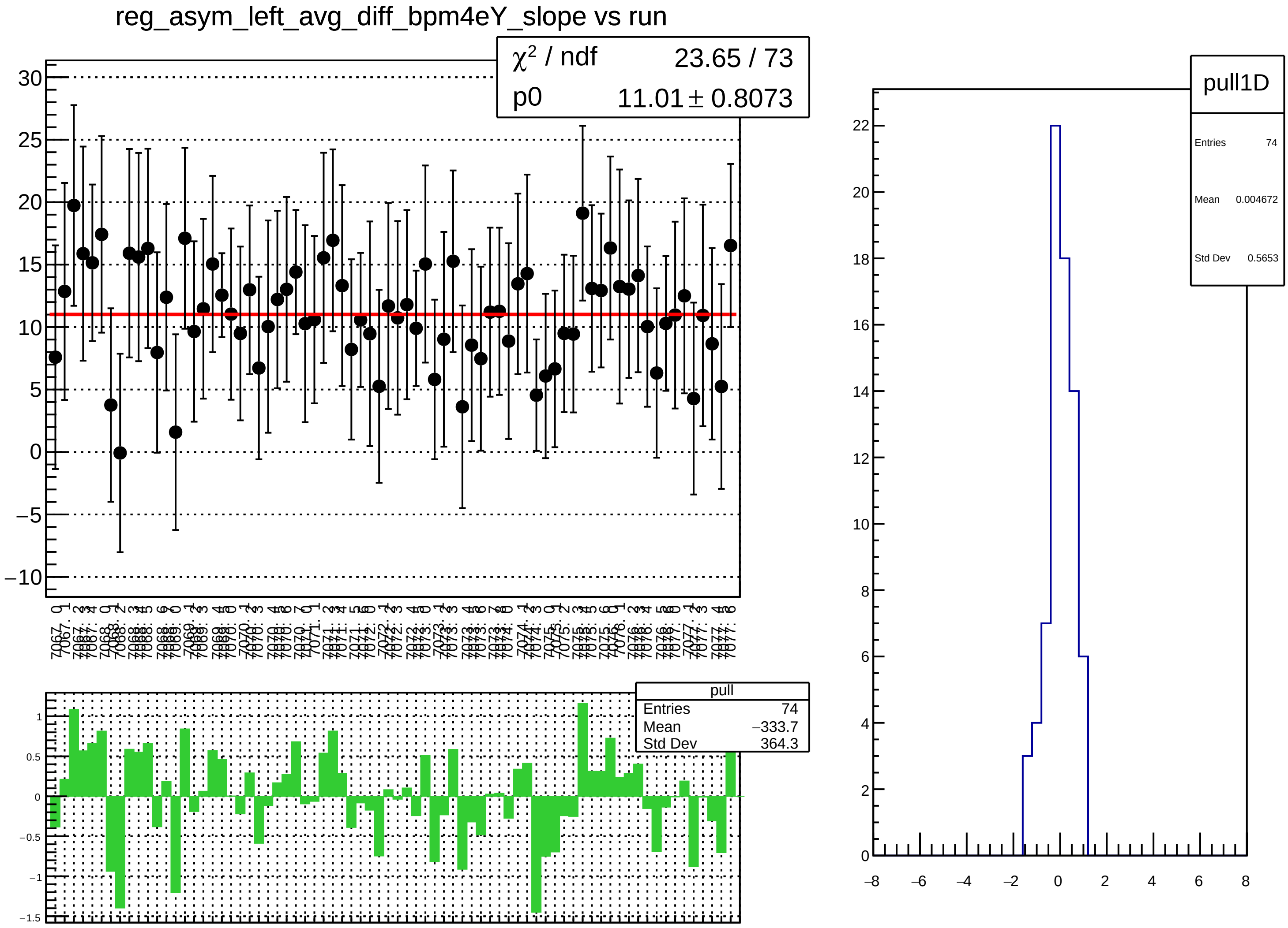


reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 29.29 / 73
p0 −35.96 ± 0.9671
pull
Entries 74
Mean −137.9
Std Dev 178.1
pull1D
Entries 74
Mean 0.02514
Std Dev 0.6287

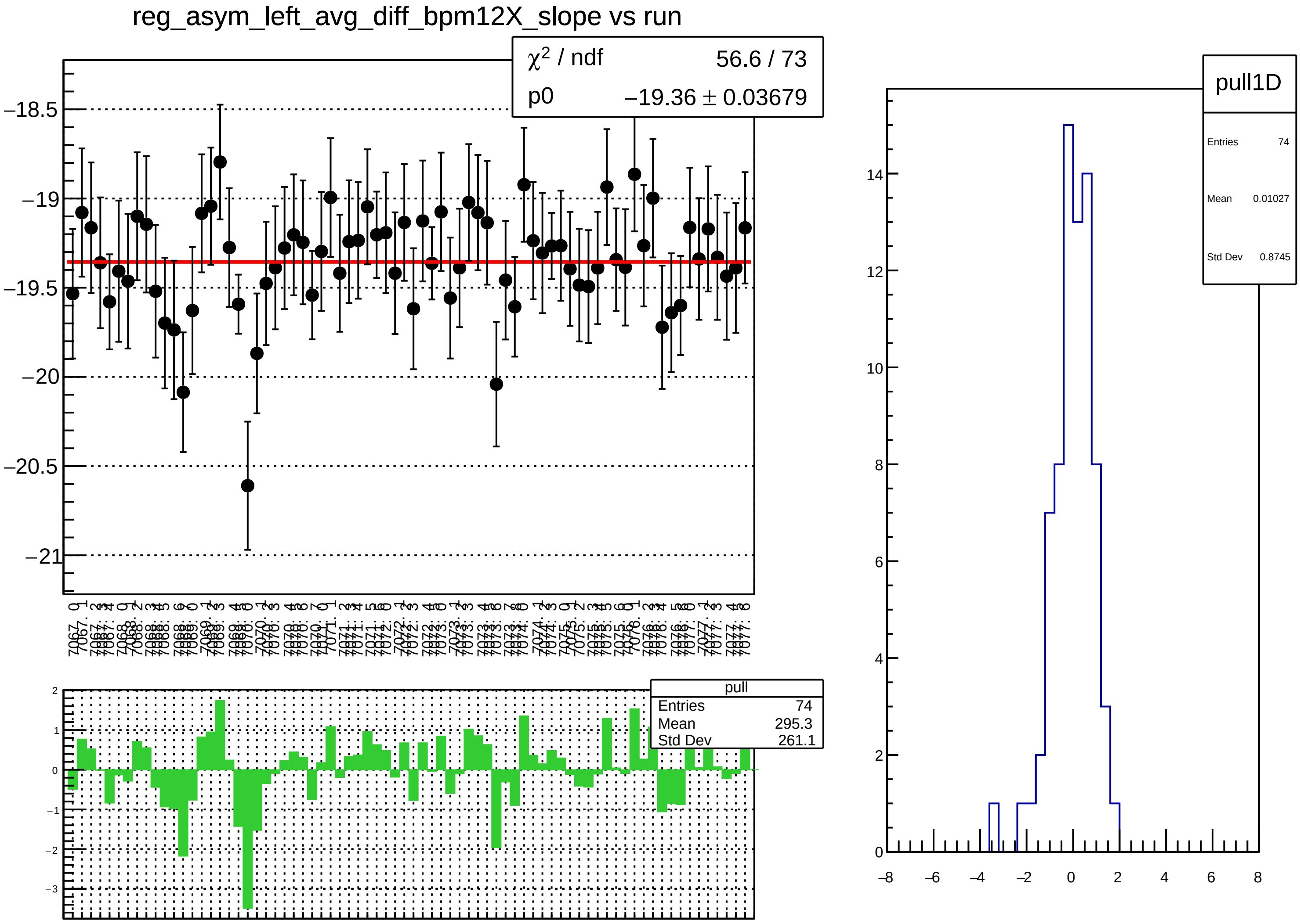

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 24.03 / 73
p0 0.04644 ± 0.777
pull
Entries 74
Mean 1329
Std Dev 1294
pull1D
Entries 74
Mean 0.0009883
Std Dev 0.5698



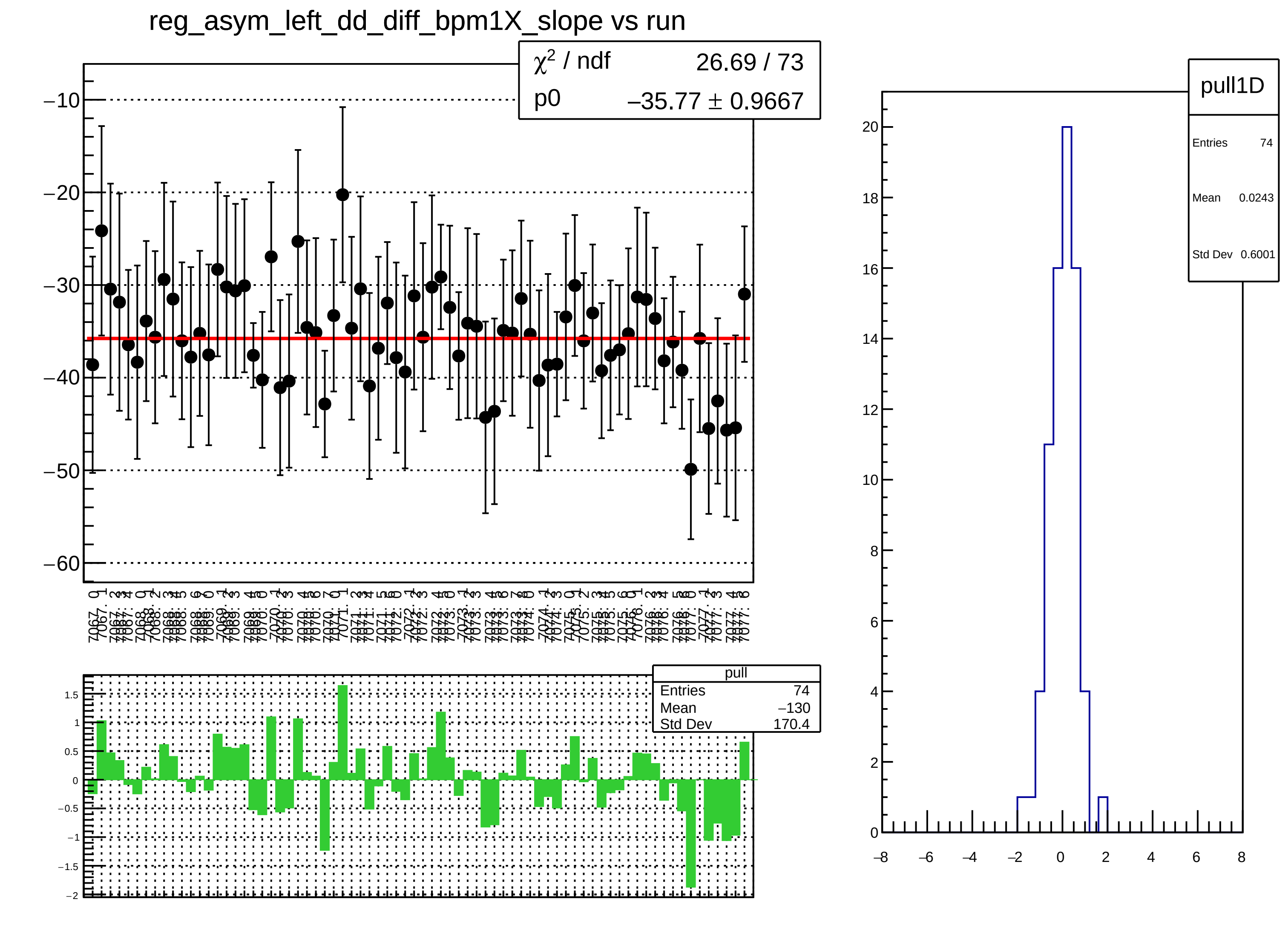
reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 28.26 / 73
p0 5.279 ± 0.931
pull
Entries 74
Mean −149.3
Std Dev 189.9
pull1D
Entries 74
Mean −0.02321
Std Dev 0.6176



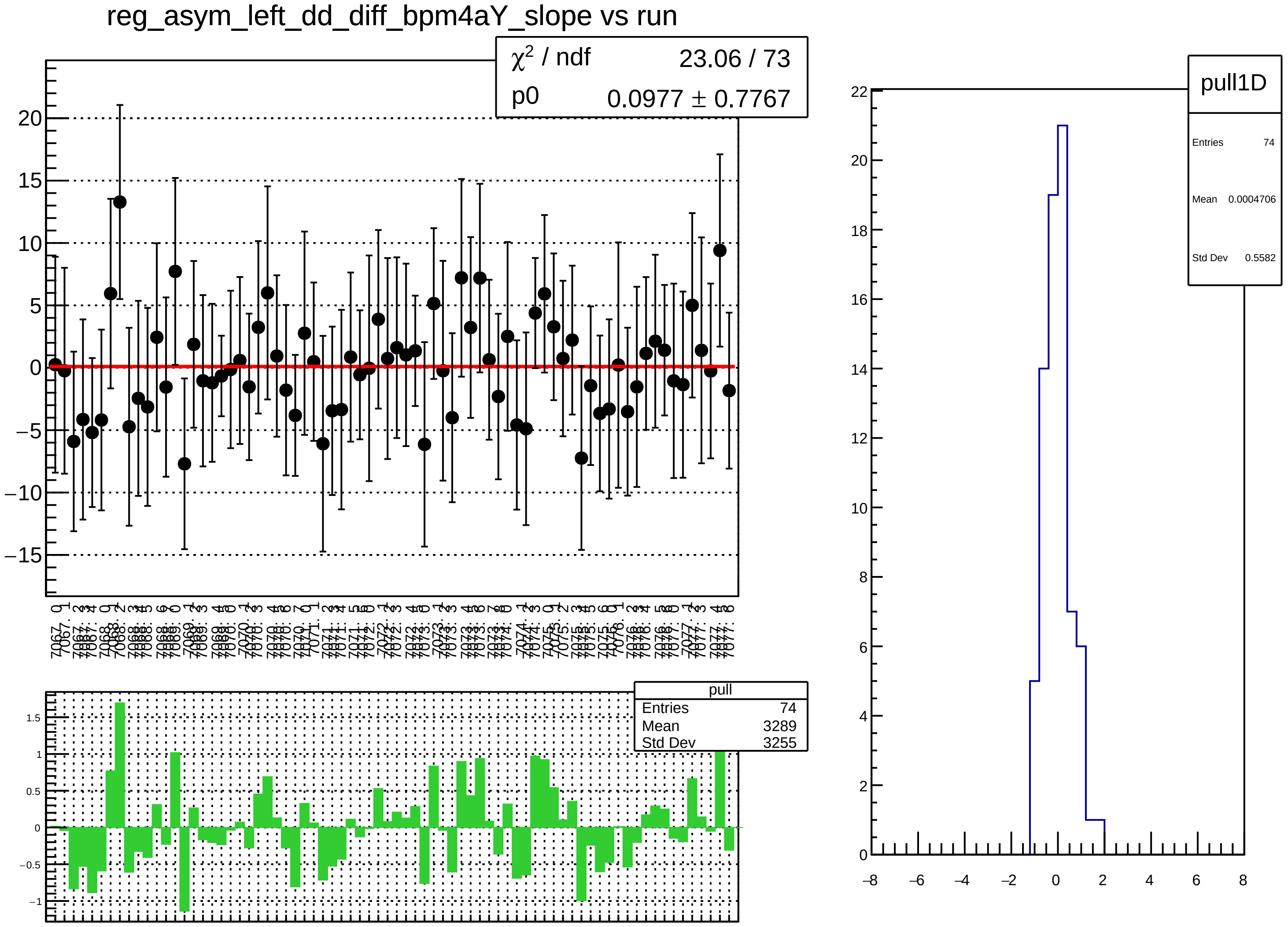
reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.65 / 73
p0 11.01 ± 0.8073
pull
Entries 74
Mean −333.7
Std Dev 364.3
pull1D
Entries 74
Mean 0.004672
Std Dev 0.5653

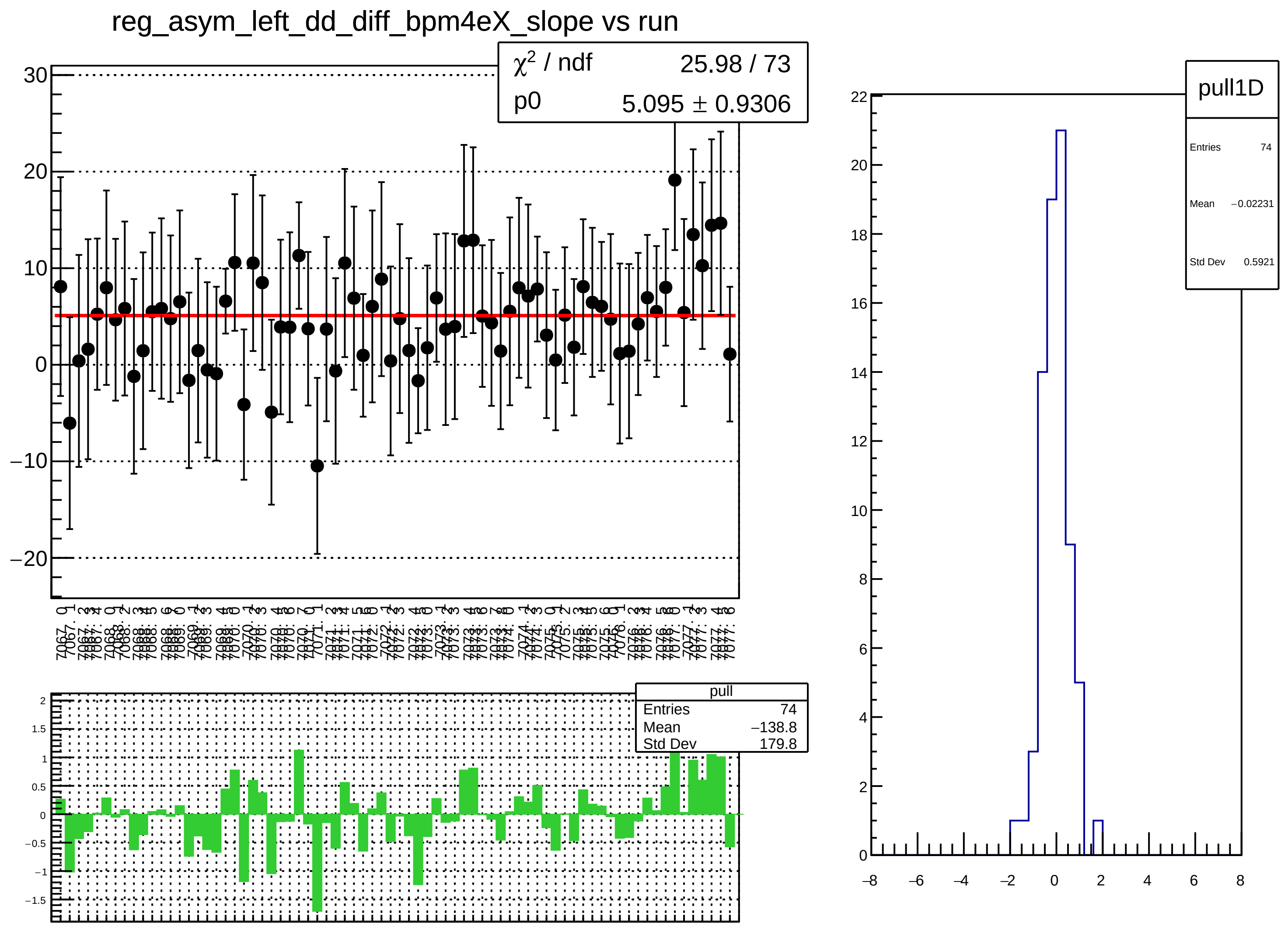


reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 56.6 / 73
p0 −19.36 ± 0.03679
pull
Entries 74
Mean 295.3
Std Dev 261.1
pull1D
Entries 74
Mean 0.01027
Std Dev 0.8745

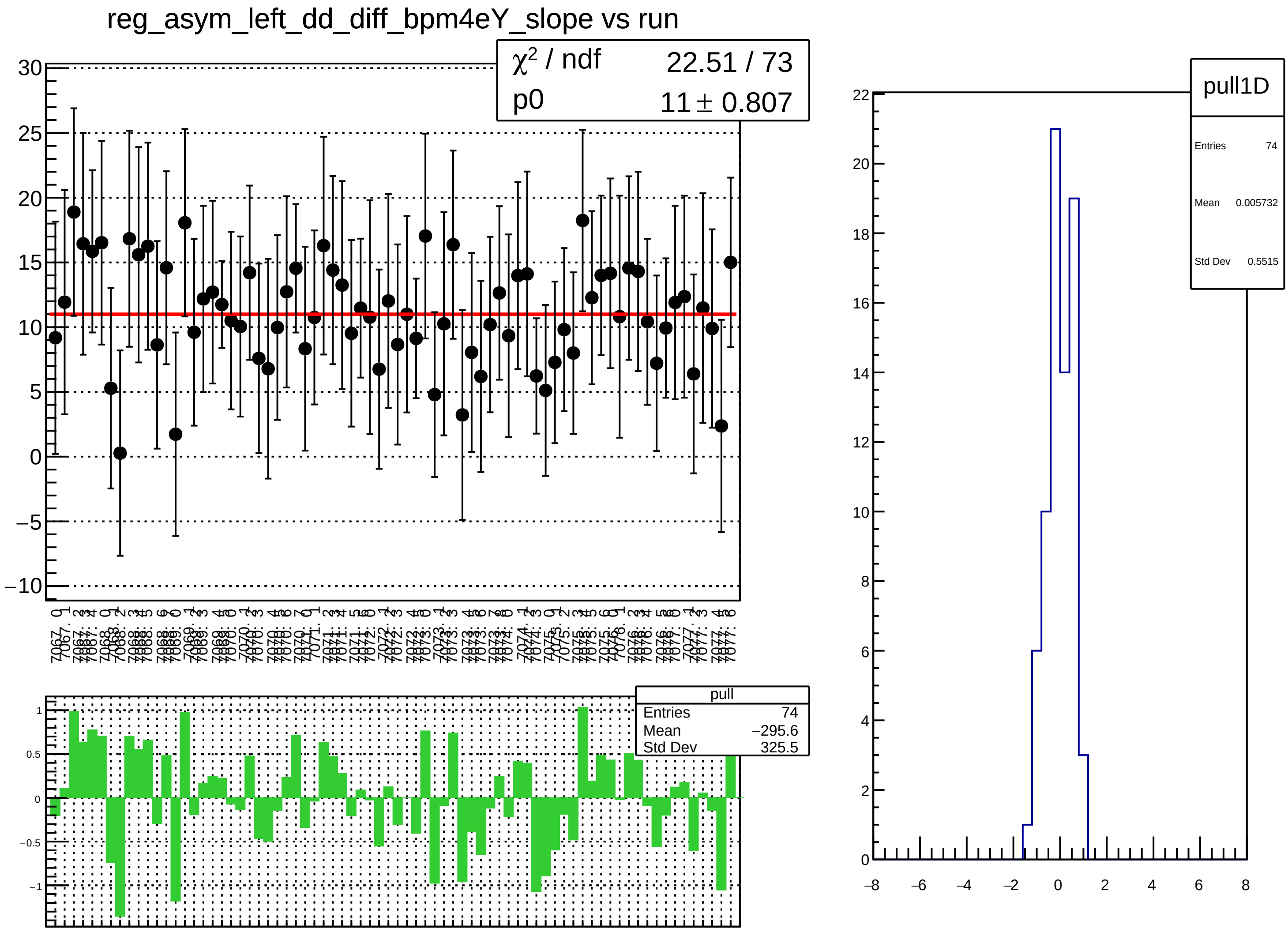


reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 26.69 / 73
p0 −35.77 ± 0.9667
−10
−20
−30
−40
−50
−60
pull
Entries 74
Mean −130
Std Dev 170.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.0243
Std Dev 0.6001
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

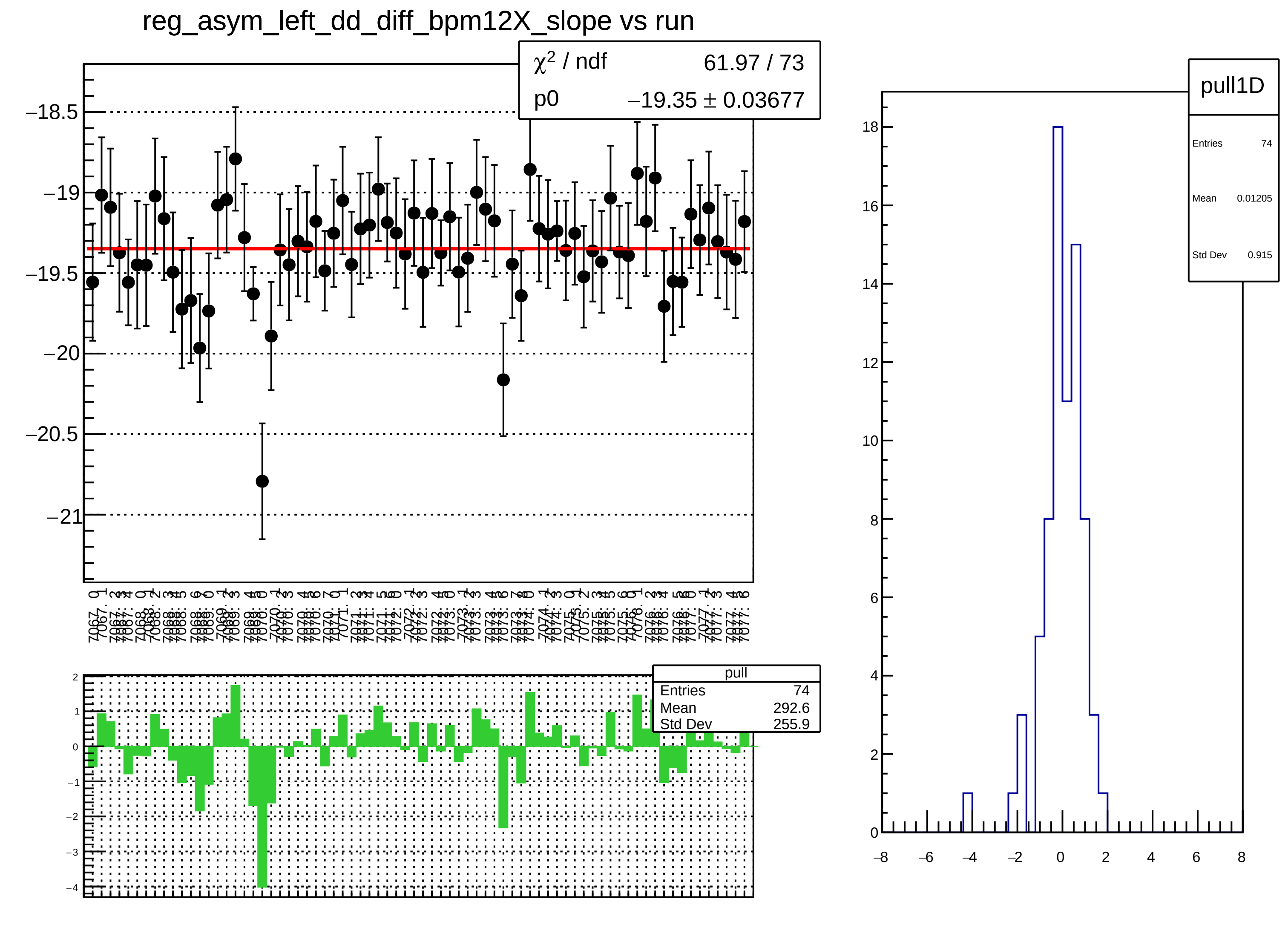

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ2 / ndf 23.06 / 73
p0 0.0977 ± 0.7767
pull
Entries 74
Mean 3289
Std Dev 3255
pull1D
Entries 74
Mean 0.0004706
Std Dev 0.5582



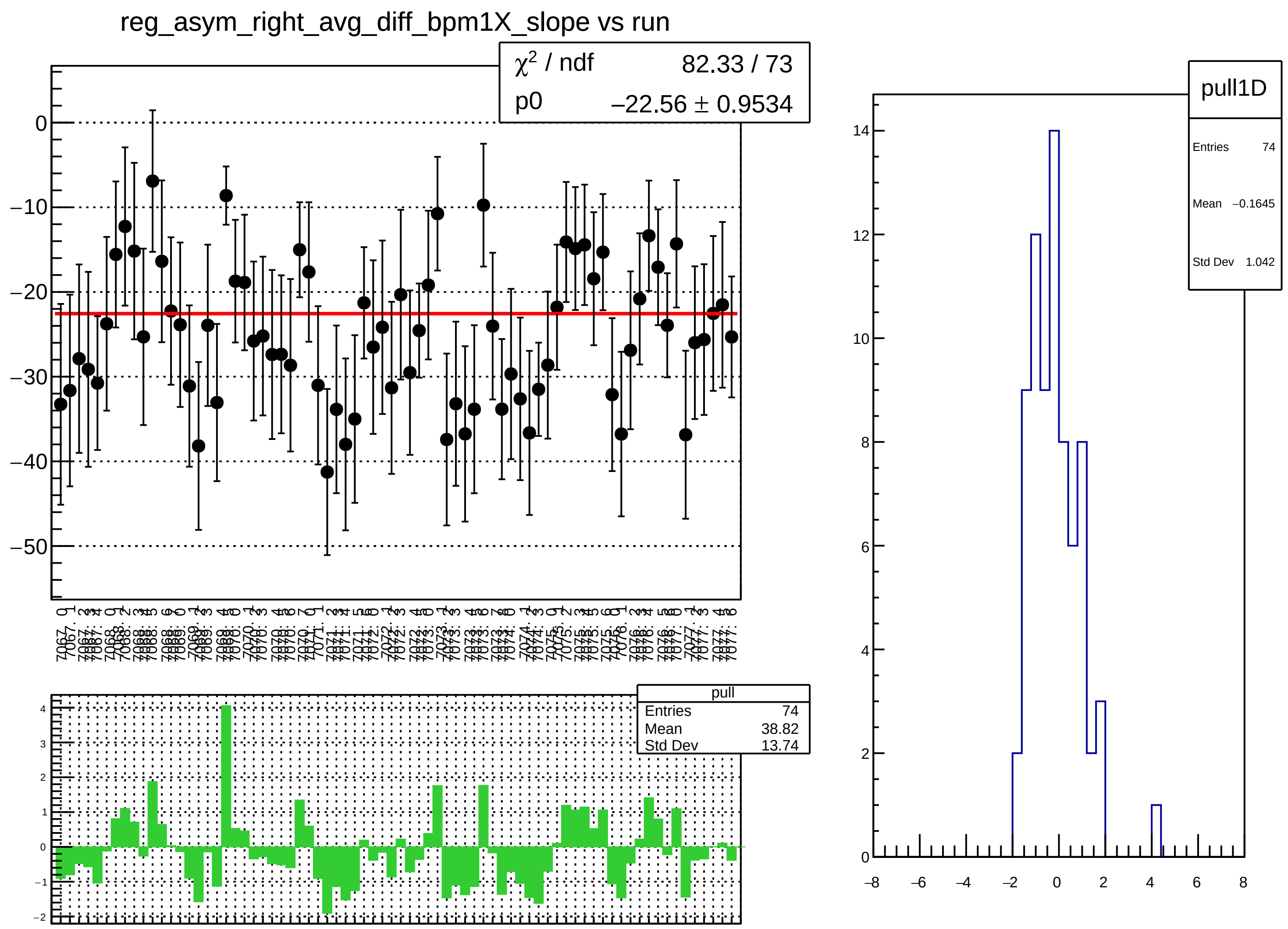
reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 25.98 / 73
p0 5.095 ± 0.9306
pull
Entries 74
Mean −138.8
Std Dev 179.8
pull1D
Entries 74
Mean −0.02231
Std Dev 0.5921



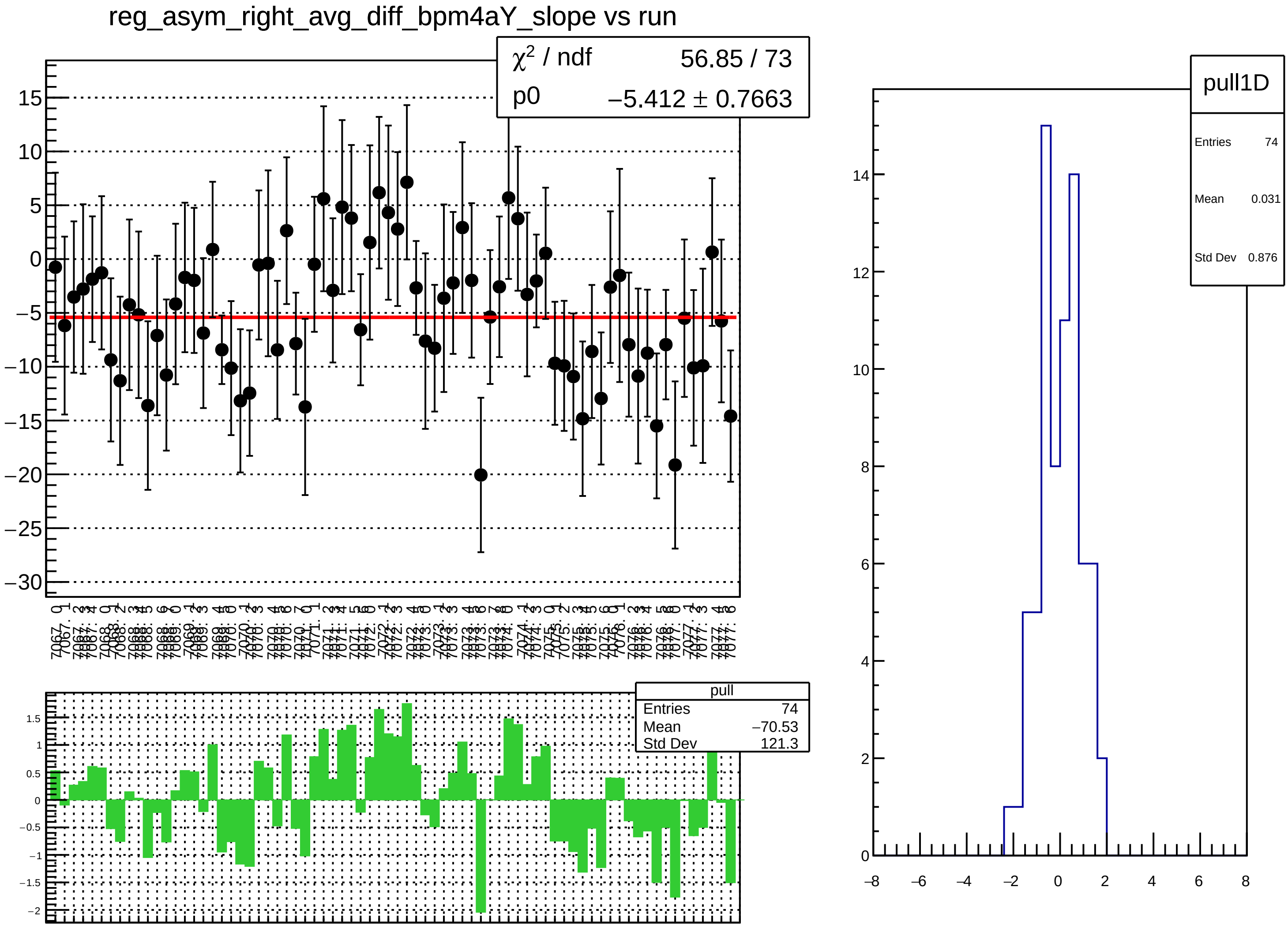
reg_asym_left_dd_diff_bpm4eY_slope vs run
χ2 / ndf 22.51 / 73
p0 11 ± 0.807
pull
Entries 74
Mean −295.6
Std Dev 325.5
pull1D
Entries 74
Mean 0.005732
Std Dev 0.5515



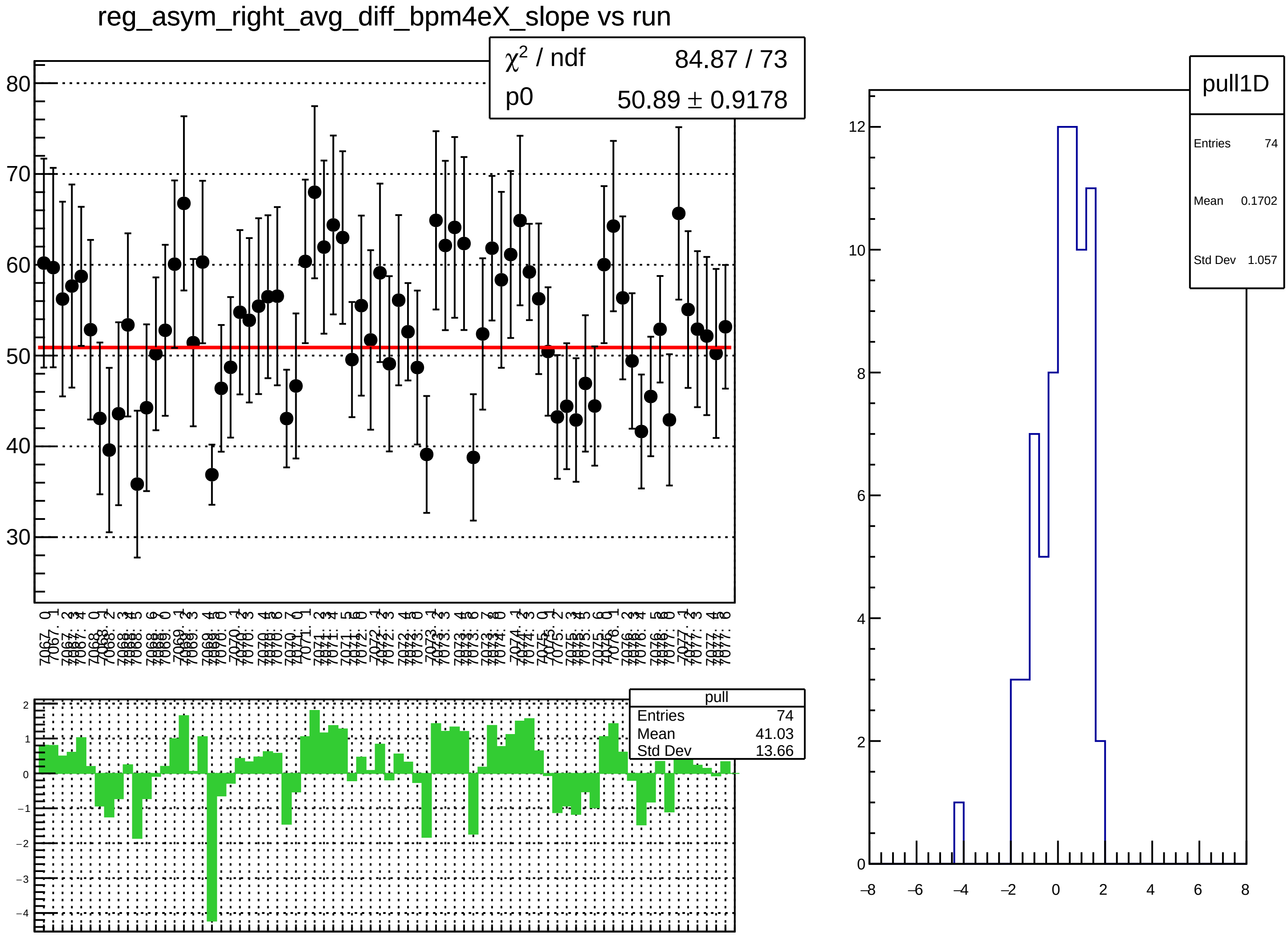
reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 61.97 / 73
p0 −19.35 ± 0.03677
pull
Entries 74
Mean 292.6
Std Dev 255.9
pull1D
Entries 74
Mean 0.01205
Std Dev 0.915



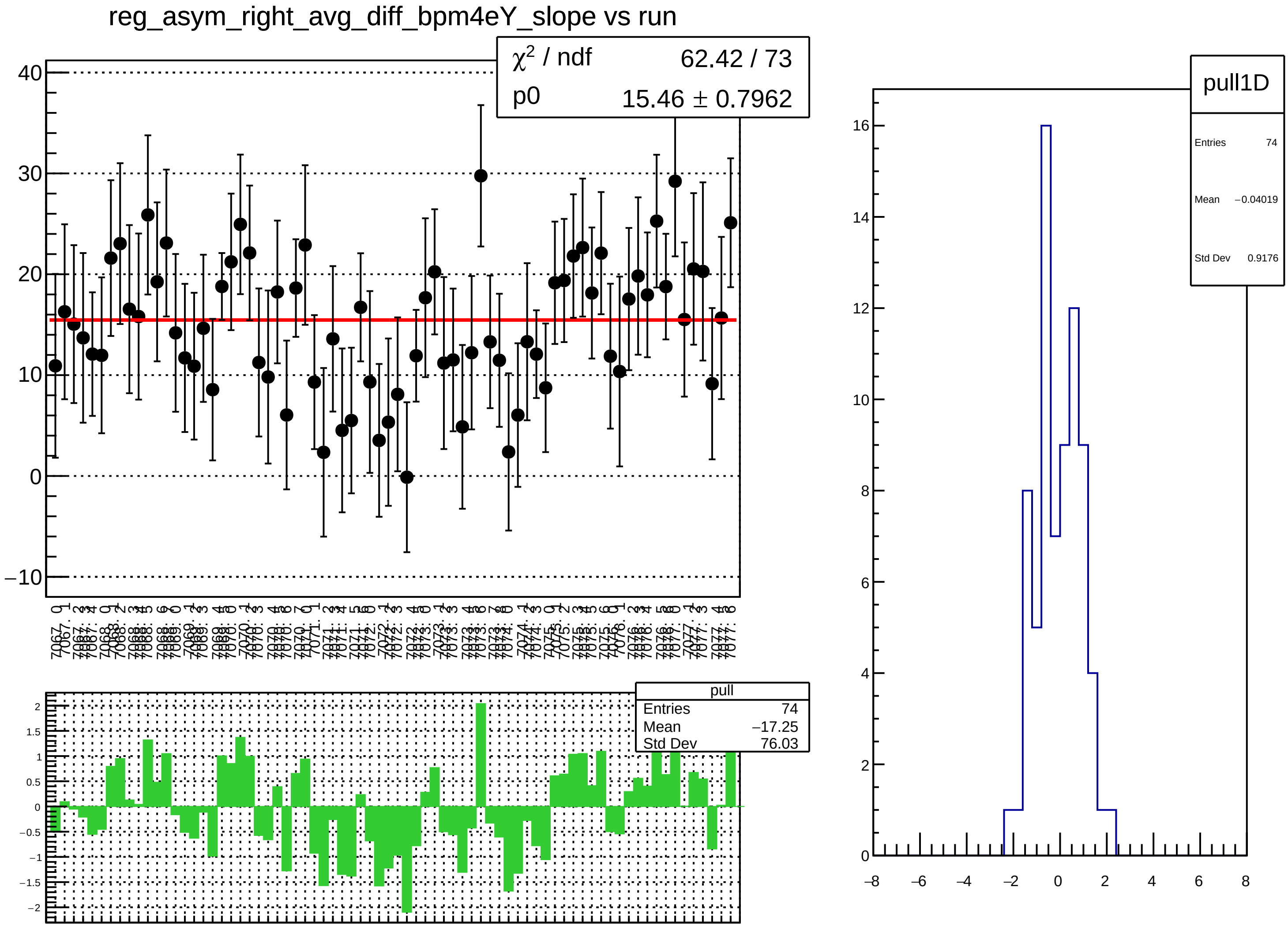
reg_asym_right_avg_diff_bpm1X_slope vs run
χ2 / ndf 82.33 / 73
p0 −22.56 ± 0.9534
pull
Entries 74
Mean 38.82
Std Dev 13.74
pull1D
Entries 74
Mean −0.1645
Std Dev 1.042



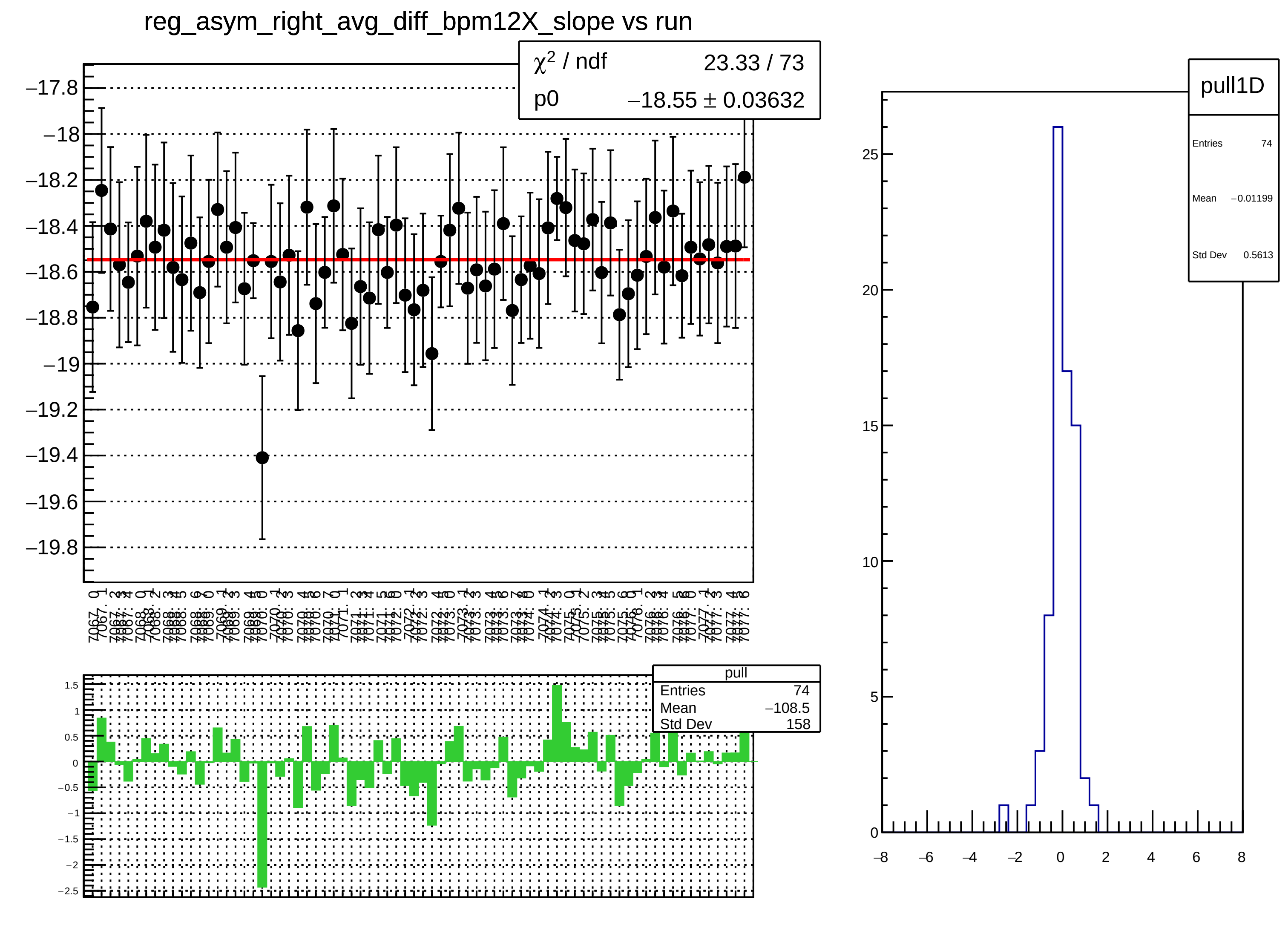
reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 56.85 / 73
p0 −5.412 ± 0.7663
pull
Entries 74
Mean −70.53
Std Dev 121.3
pull1D
Entries 74
Mean 0.031
Std Dev 0.876

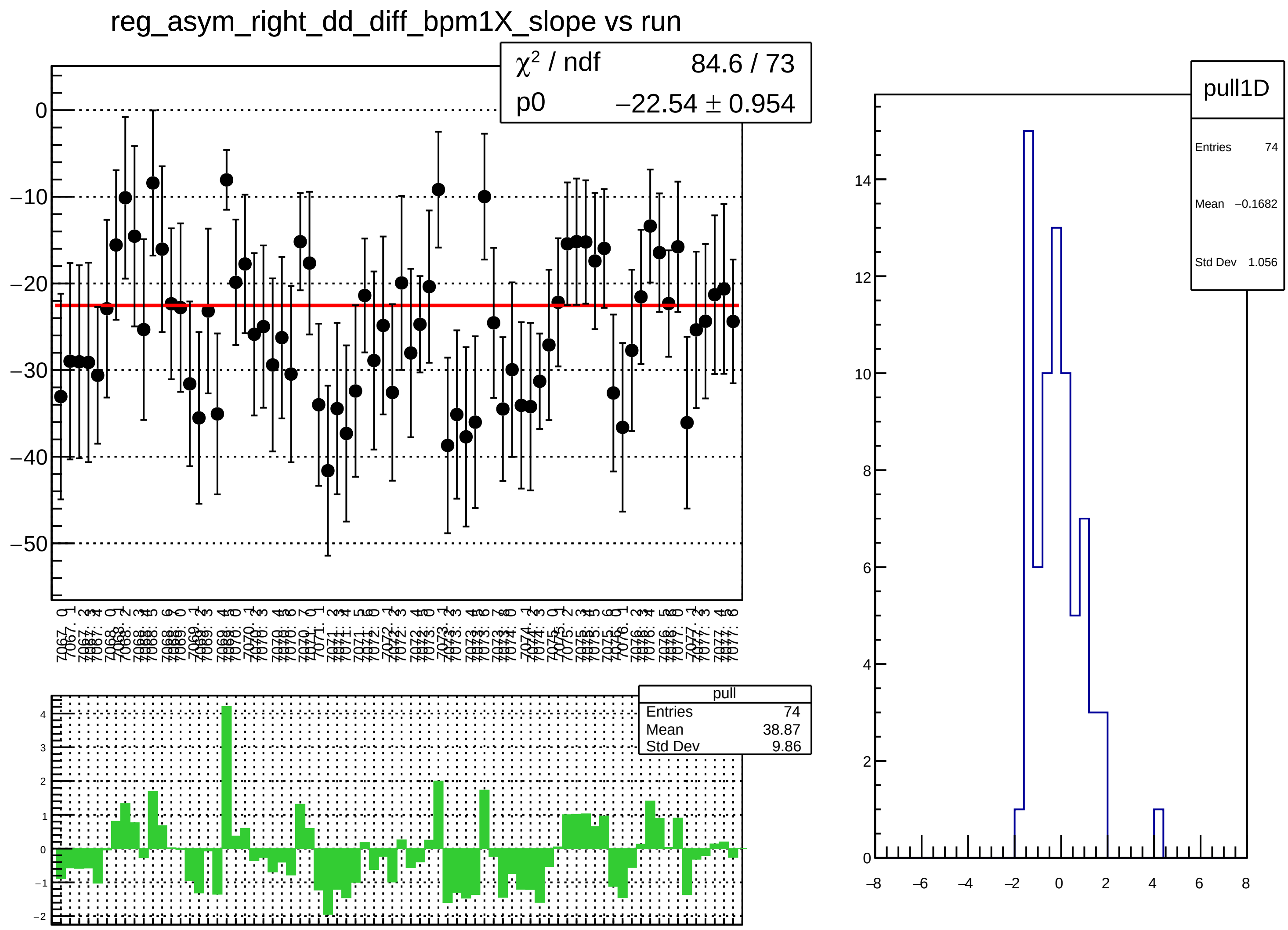


reg_asym_right_avg_diff_bpm4eX_slope vs run
χ2 / ndf 84.87 / 73
p0 50.89 ± 0.9178
pull
Entries 74
Mean 41.03
Std Dev 13.66
pull1D
Entries 74
Mean 0.1702
Std Dev 1.057

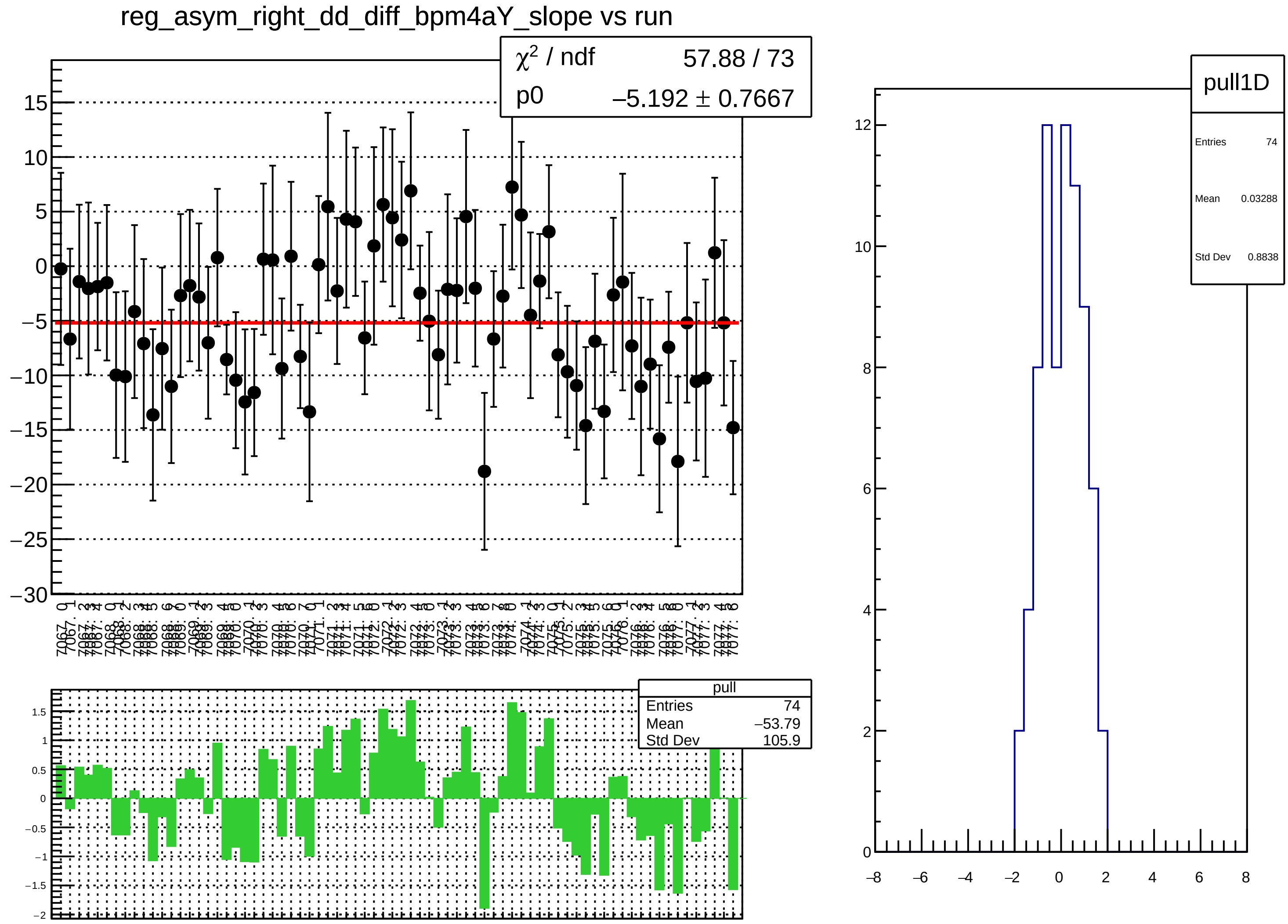


reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 62.42 / 73
p0 15.46 ± 0.7962
pull
Entries 74
Mean −17.25
Std Dev 76.03
pull1D
Entries 74
Mean −0.04019
Std Dev 0.9176

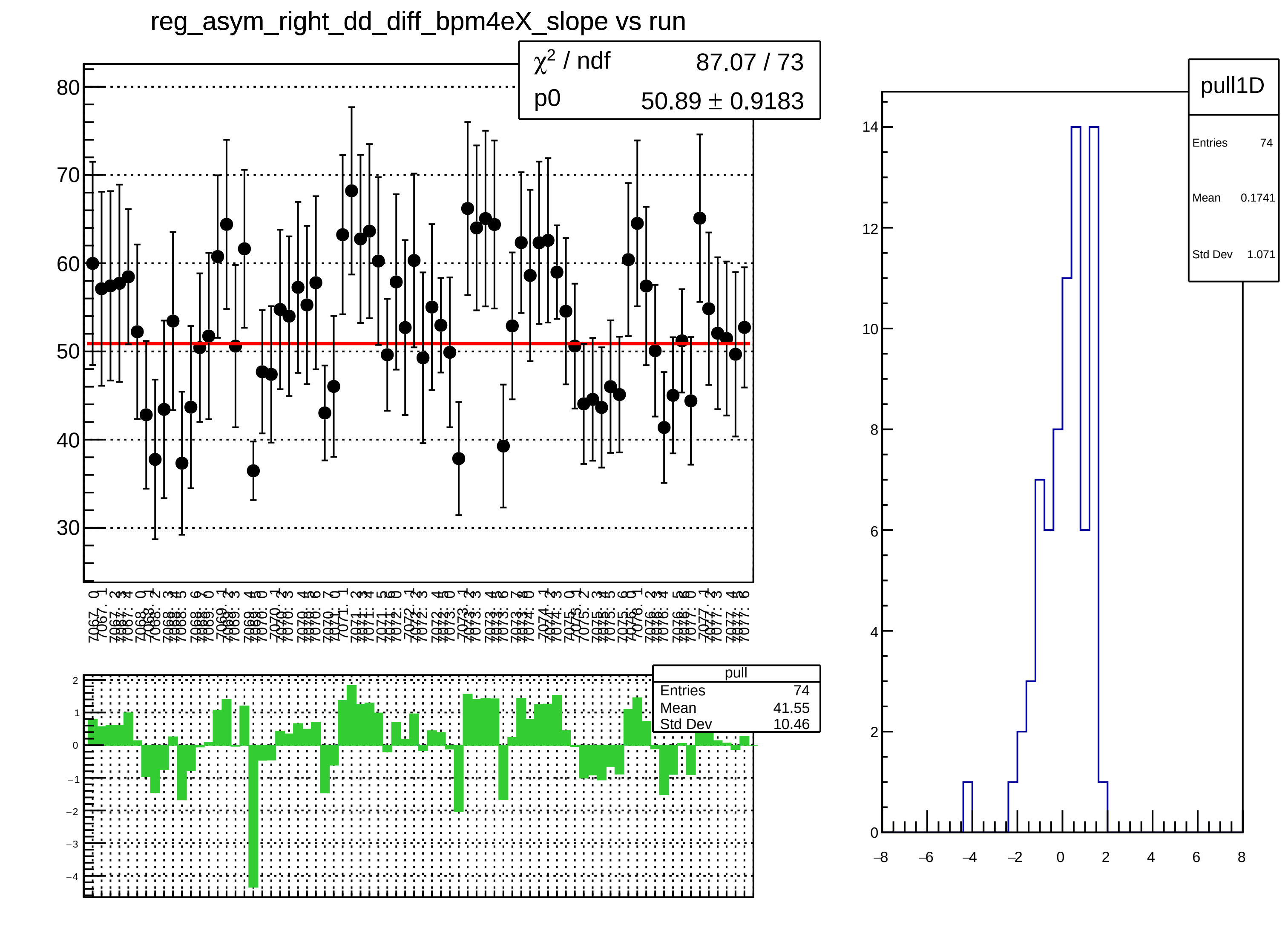

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 23.33 / 73
p0 −18.55 ± 0.03632
pull
Entries 74
Mean −108.5
Std Dev 158
pull1D
Entries 74
Mean −0.01199
Std Dev 0.5613

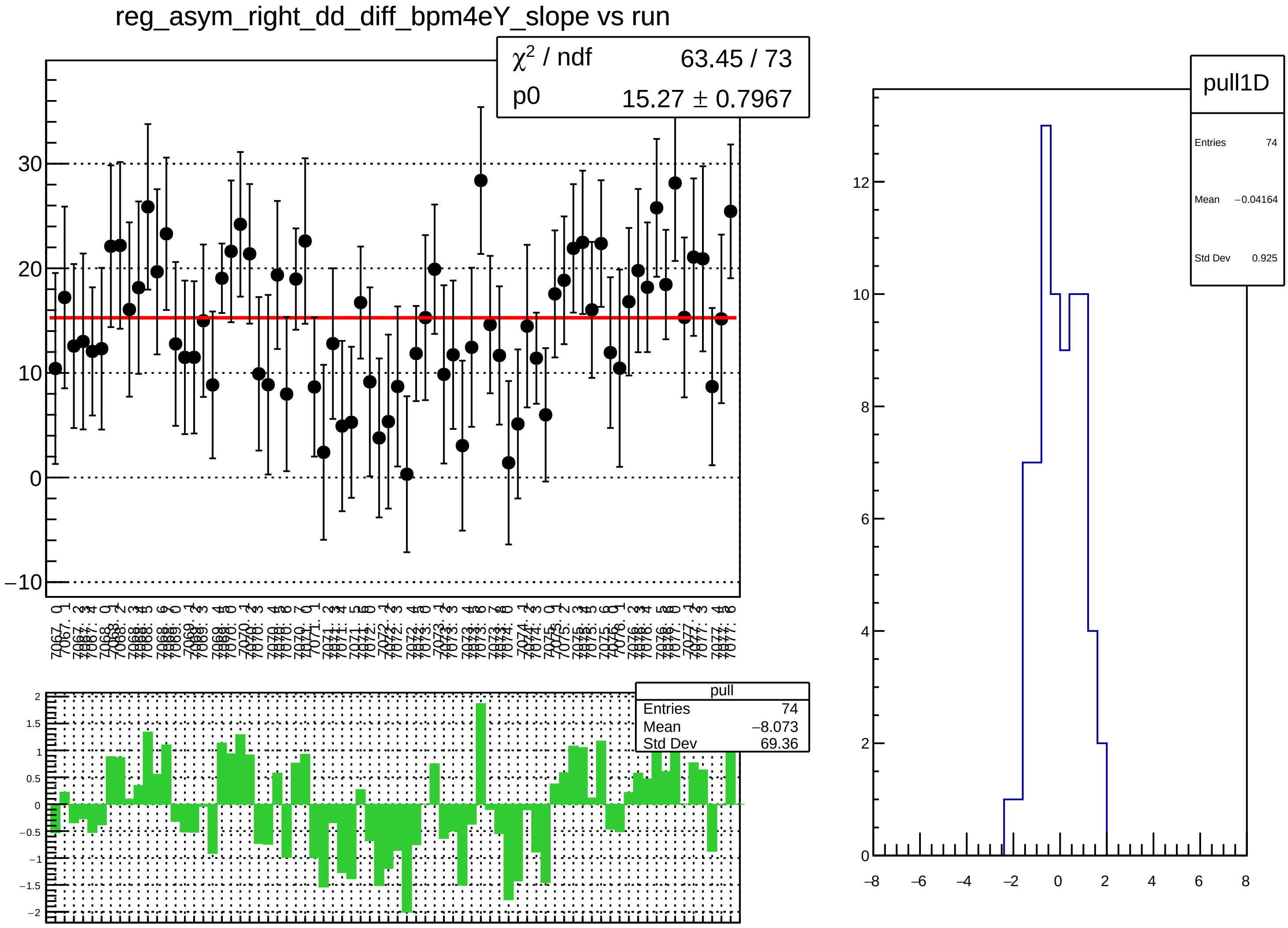


reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 84.6 / 73
p0 −22.54 ± 0.954
pull
Entries 74
Mean 38.87
Std Dev 9.86
pull1D
Entries 74
Mean −0.1682
Std Dev 1.056

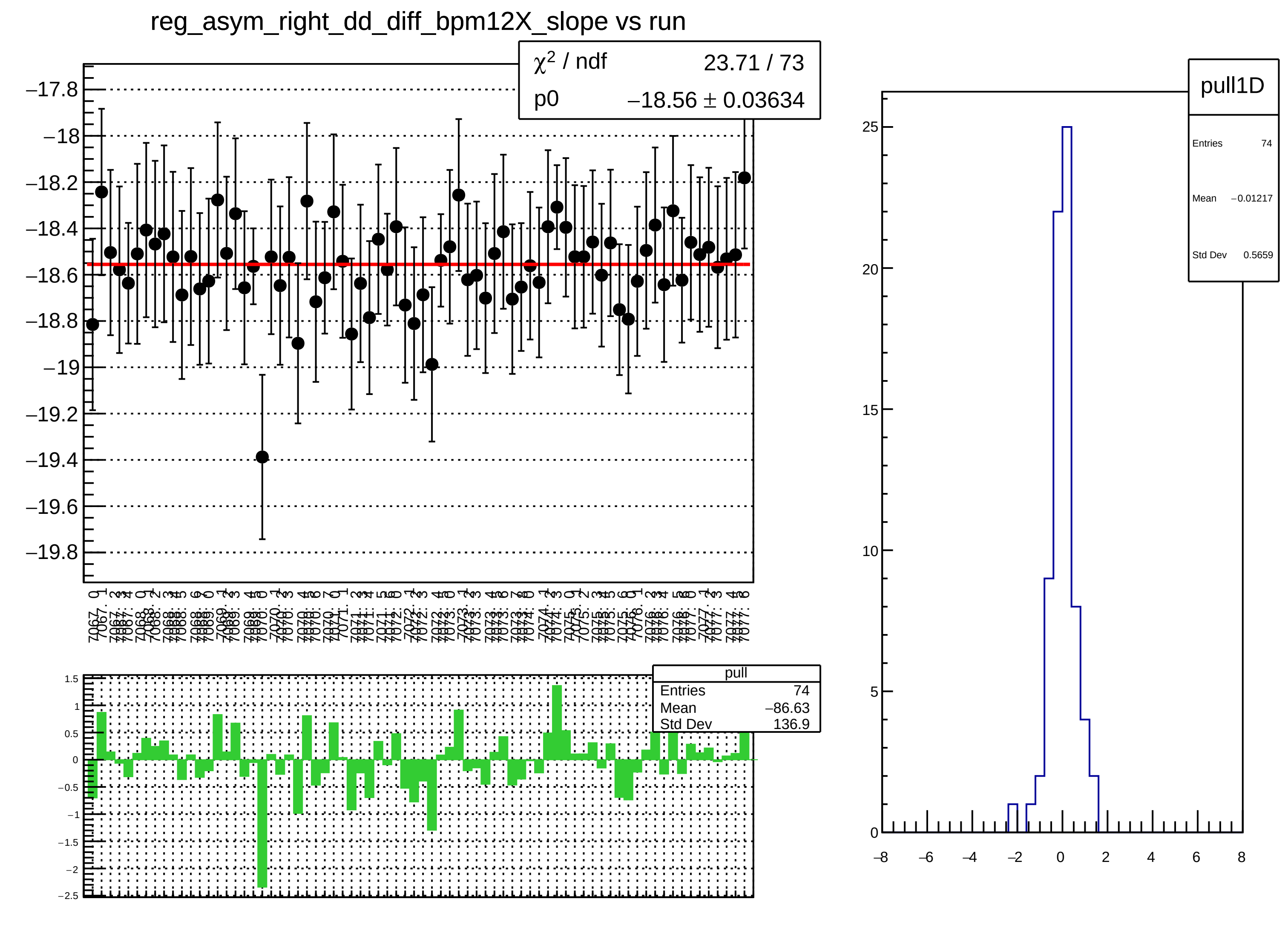


reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 57.88 / 73
p0 −5.192 ± 0.7667
pull
Entries 74
Mean −53.79
Std Dev 105.9
pull1D
Entries 74
Mean 0.03288
Std Dev 0.8838

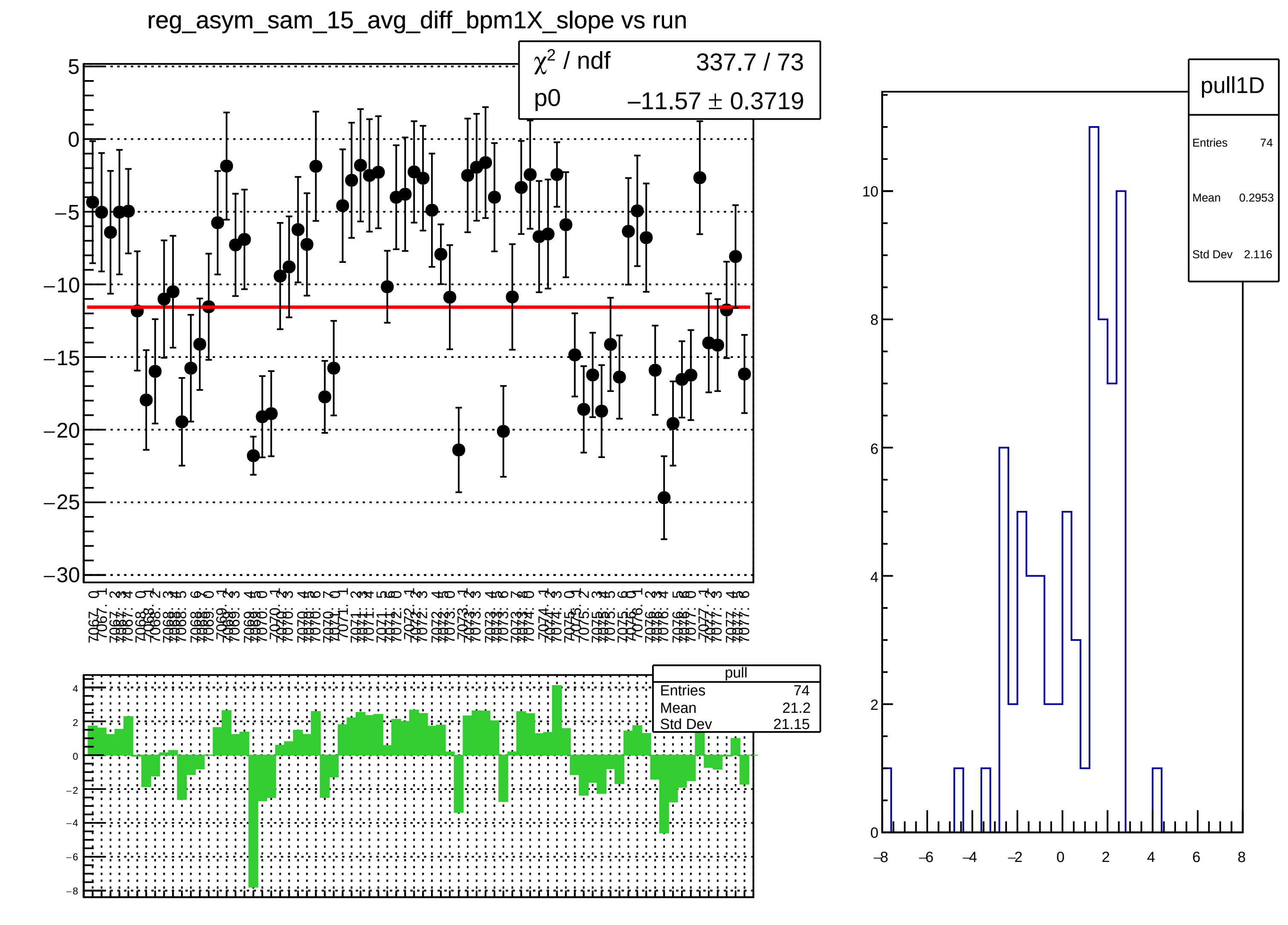

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 87.07 / 73
p0 50.89 ± 0.9183
80
70
60
50
40
30
pull
Entries 74
Mean 41.55
Std Dev 10.46
2
1
0
−1
−2
−3
−4
pull1D
Entries 74
Mean 0.1741
Std Dev 1.071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

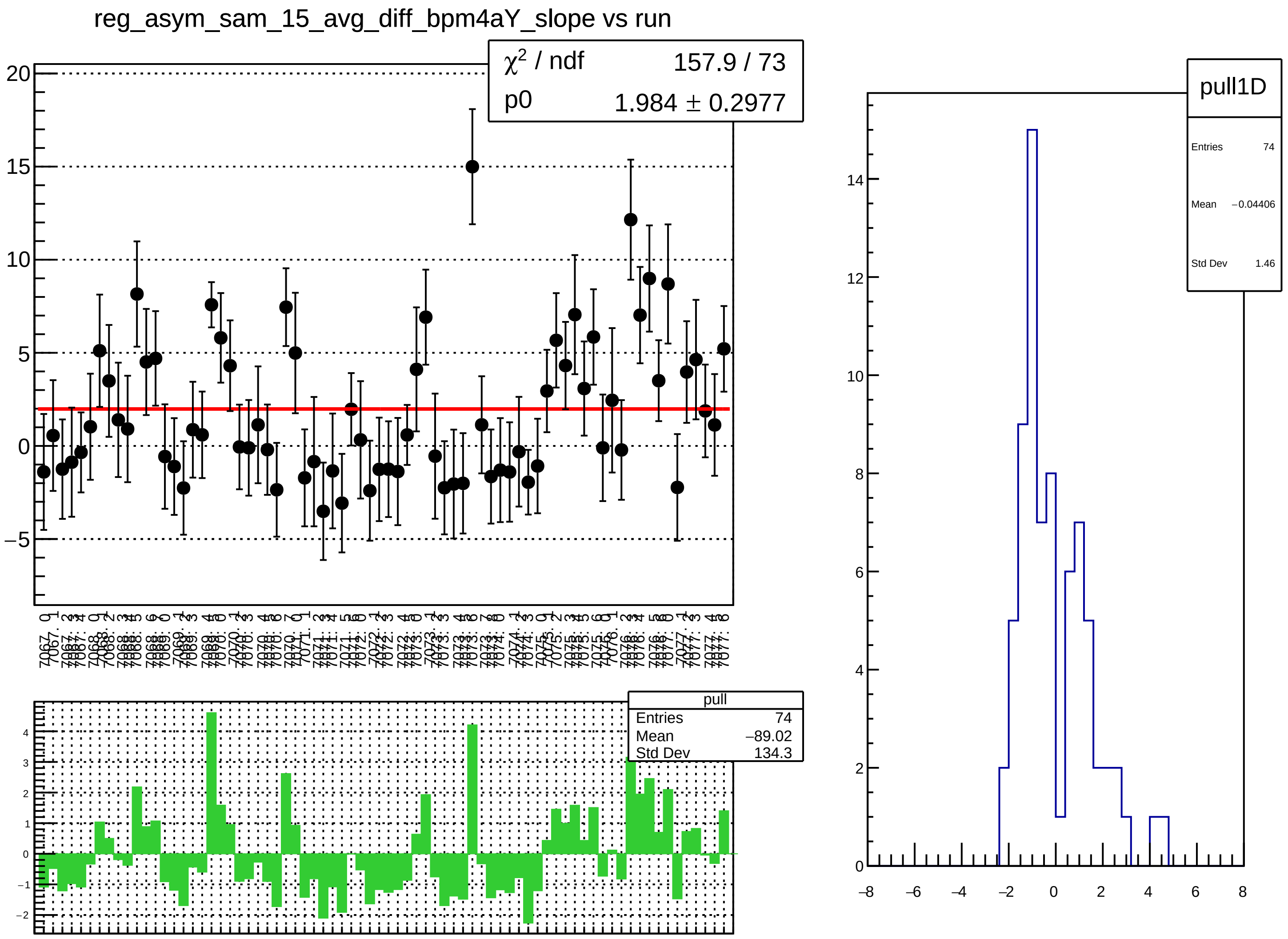


reg_asym_right_dd_diff_bpm4eY_slope vs run
χ2 / ndf 63.45 / 73
p0 15.27 ± 0.7967
pull
Entries 74
Mean −8.073
Std Dev 69.36
pull1D
Entries 74
Mean −0.04164
Std Dev 0.925

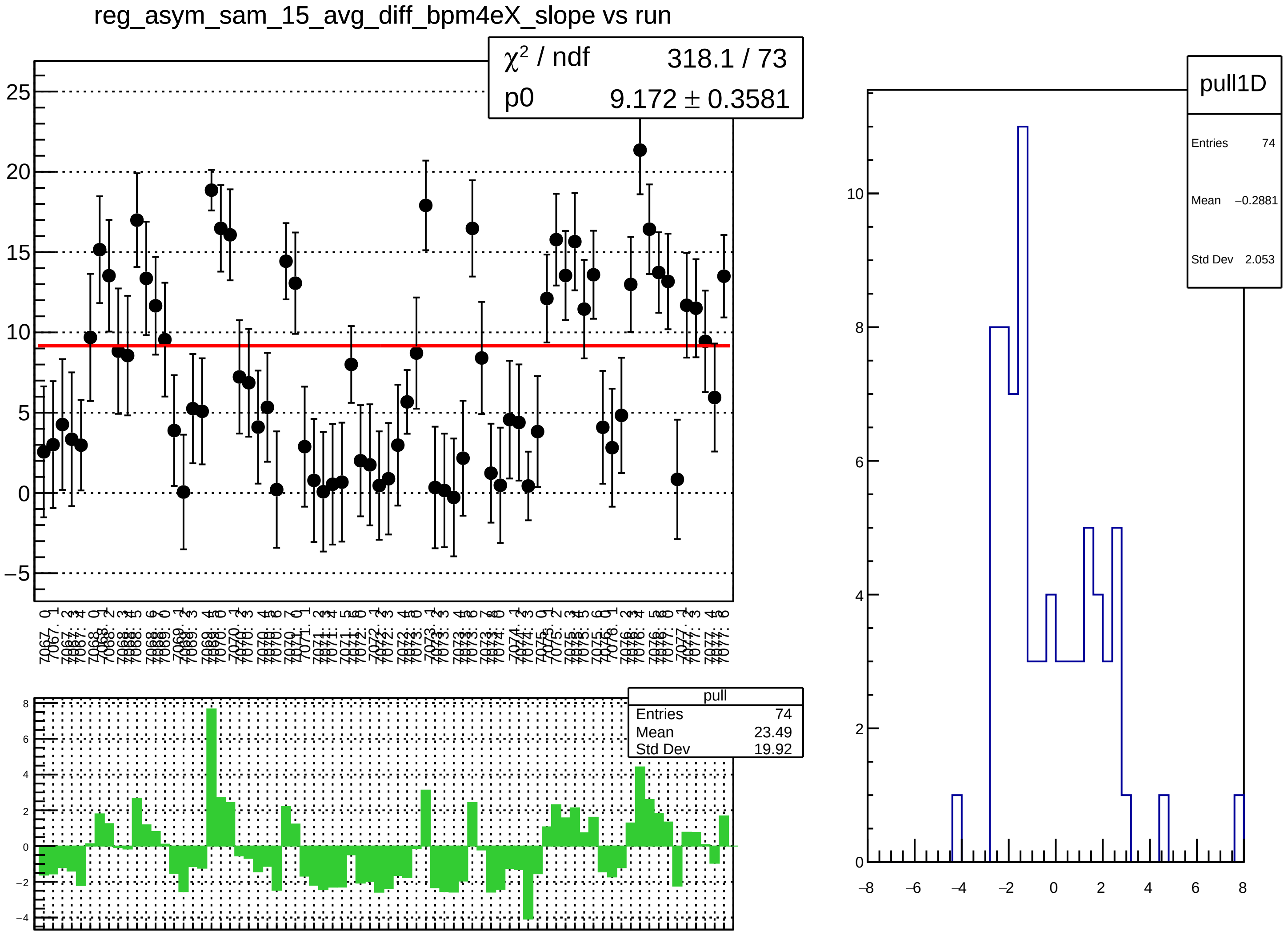


reg_asym_right_dd_diff_bpm12X_slope vs run
χ2 / ndf 23.71 / 73
p0 −18.56 ± 0.03634
pull
Entries 74
Mean −86.63
Std Dev 136.9
pull1D
Entries 74
Mean −0.01217
Std Dev 0.5659

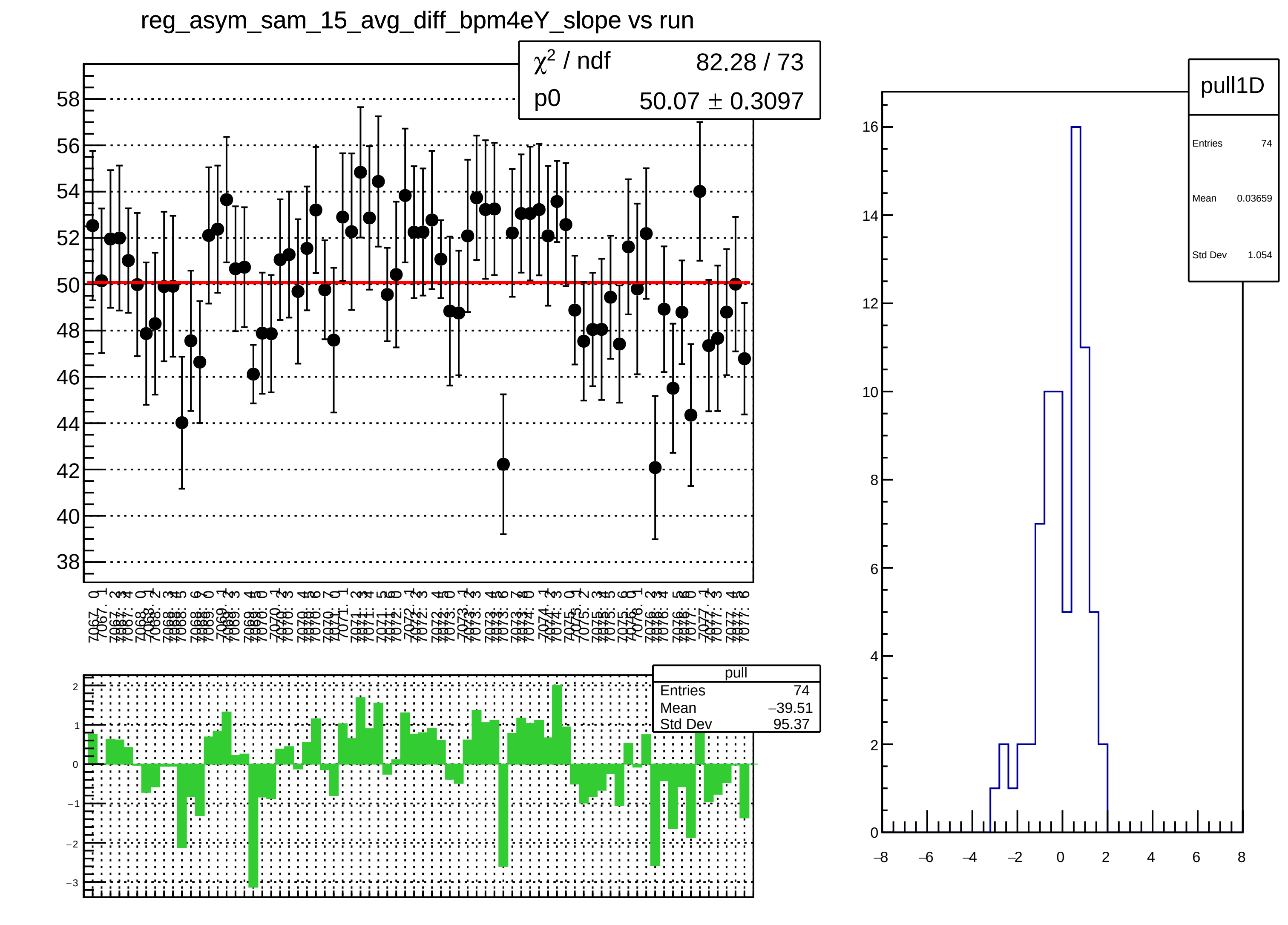

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ2 / ndf 337.7 / 73
p0 −11.57 ± 0.3719
pull
Entries 74
Mean 21.2
Std Dev 21.15
pull1D
Entries 74
Mean 0.2953
Std Dev 2.116



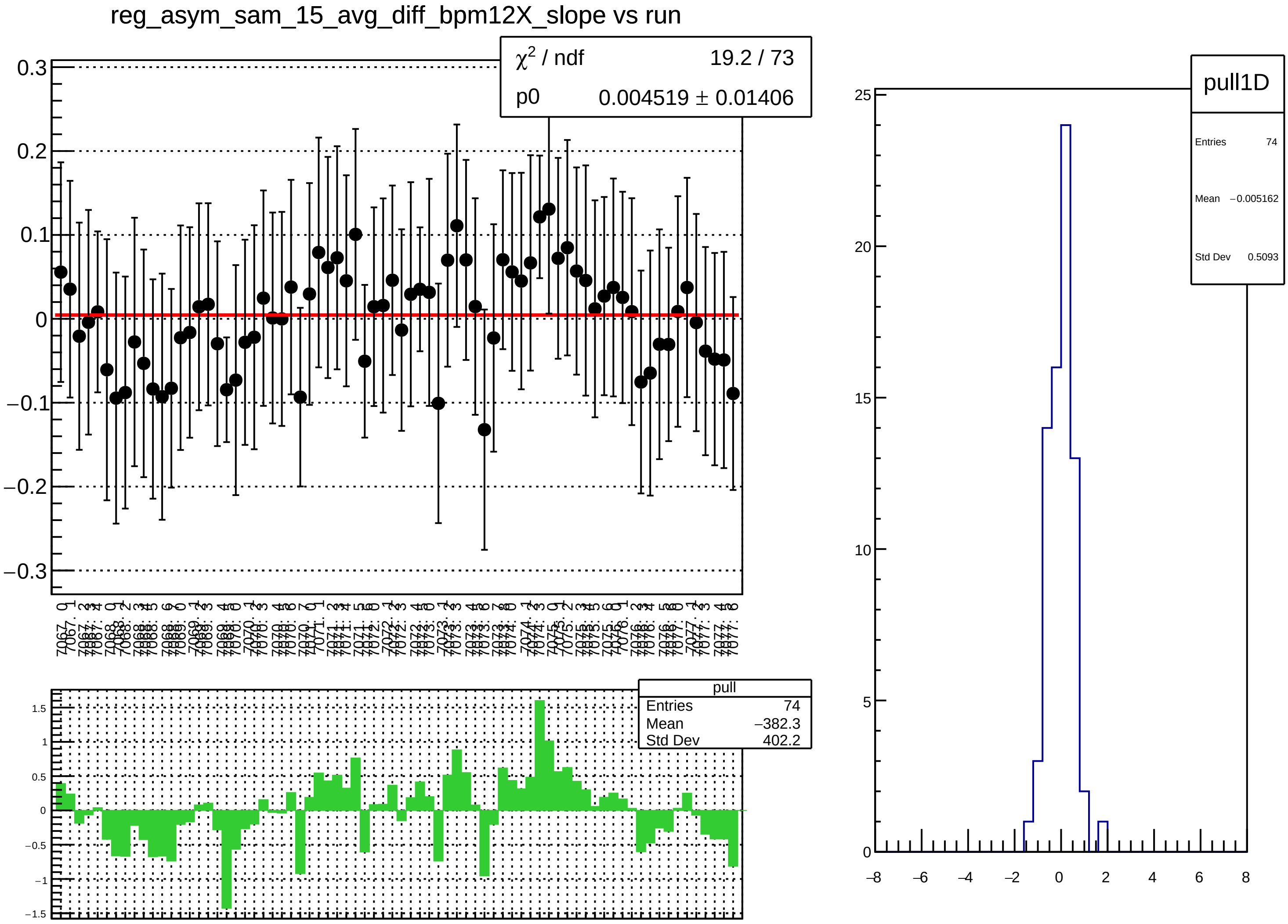
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 157.9 / 73
p0 1.984 ± 0.2977
pull
Entries 74
Mean −89.02
Std Dev 134.3
pull1D
Entries 74
Mean −0.04406
Std Dev 1.46



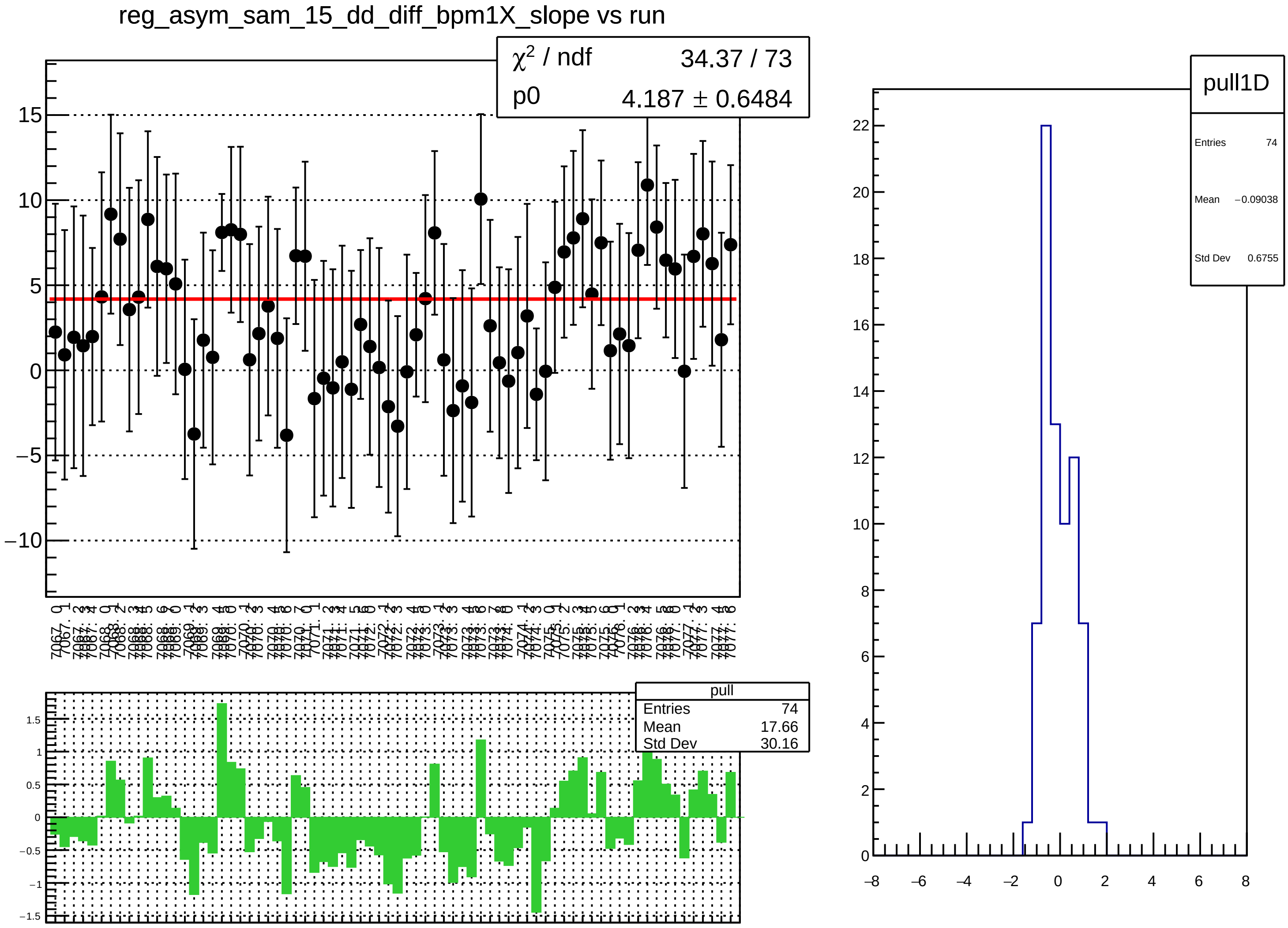
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 318.1 / 73
p0 9.172 ± 0.3581
pull
Entries 74
Mean 23.49
Std Dev 19.92
pull1D
Entries 74
Mean −0.2881
Std Dev 2.053

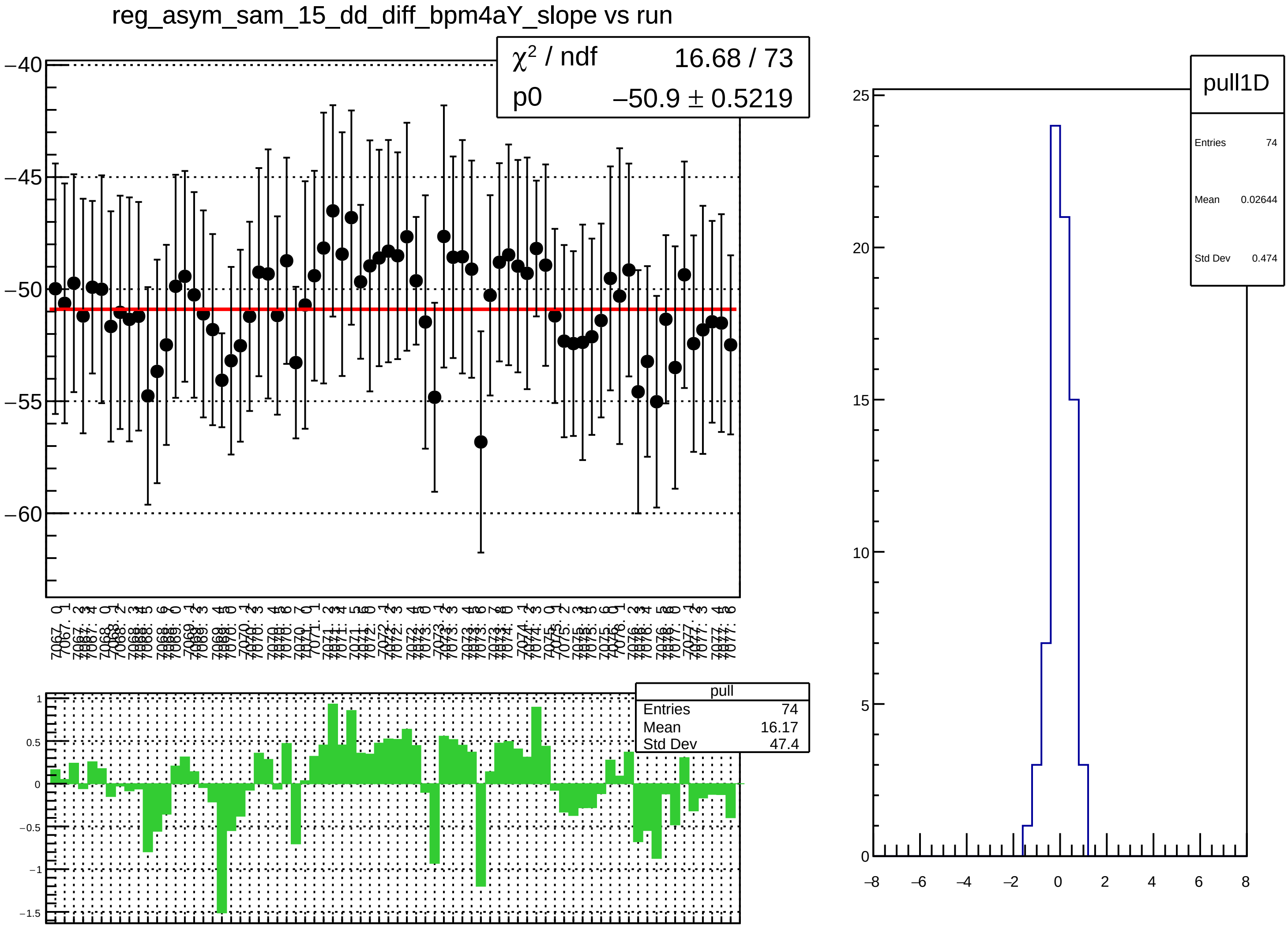


reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ2 / ndf 82.28 / 73
p0 50.07 ± 0.3097
pull
Entries 74
Mean −39.51
Std Dev 95.37
pull1D
Entries 74
Mean 0.03659
Std Dev 1.054

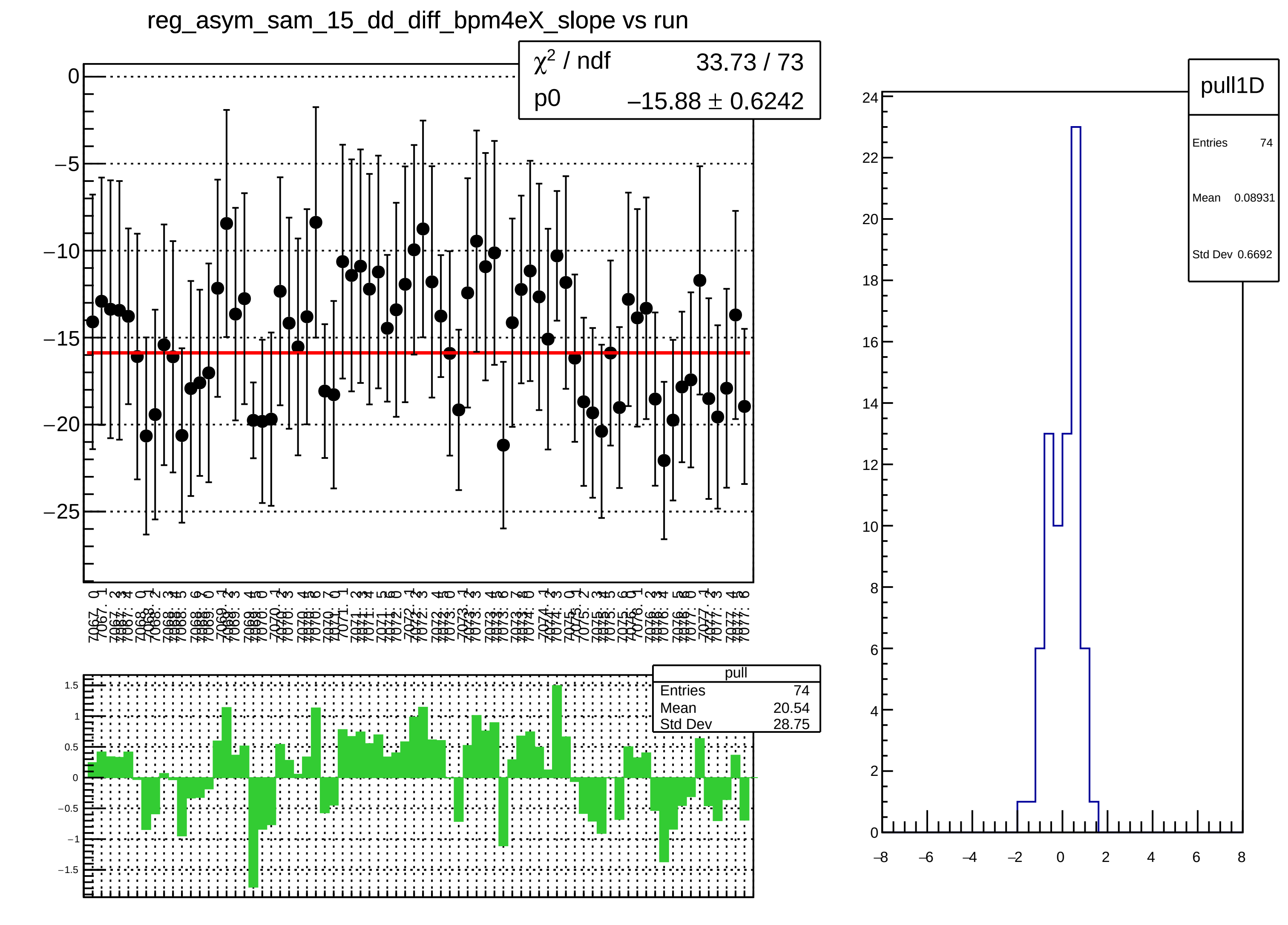


reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ2 / ndf 19.2 / 73
p0 0.004519 ± 0.01406
pull
Entries 74
Mean −382.3
Std Dev 402.2
pull1D
Entries 74
Mean −0.005162
Std Dev 0.5093

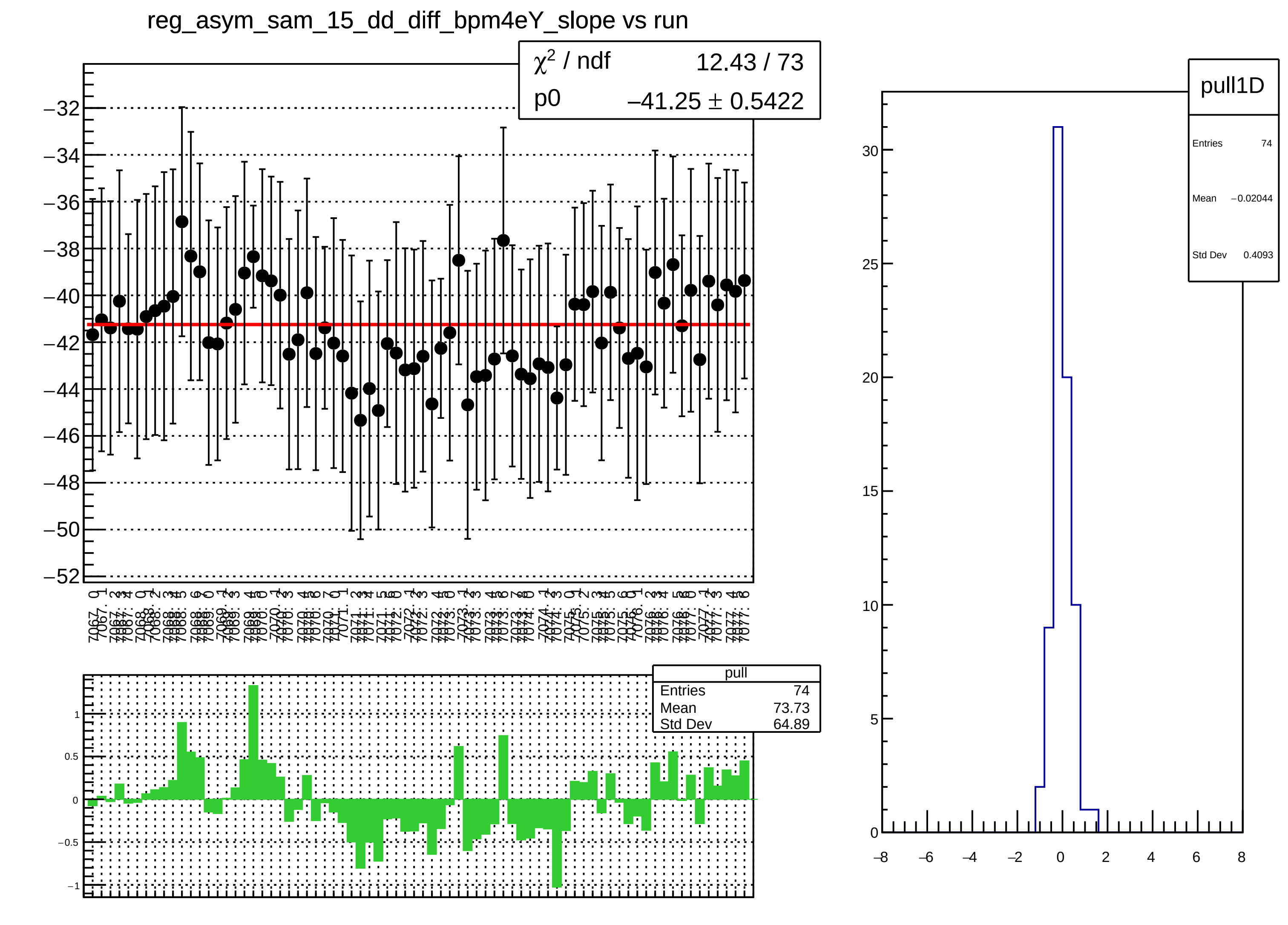

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 34.37 / 73
p0 4.187 ± 0.6484
pull
Entries 74
Mean 17.66
Std Dev 30.16
pull1D
Entries 74
Mean −0.09038
Std Dev 0.6755



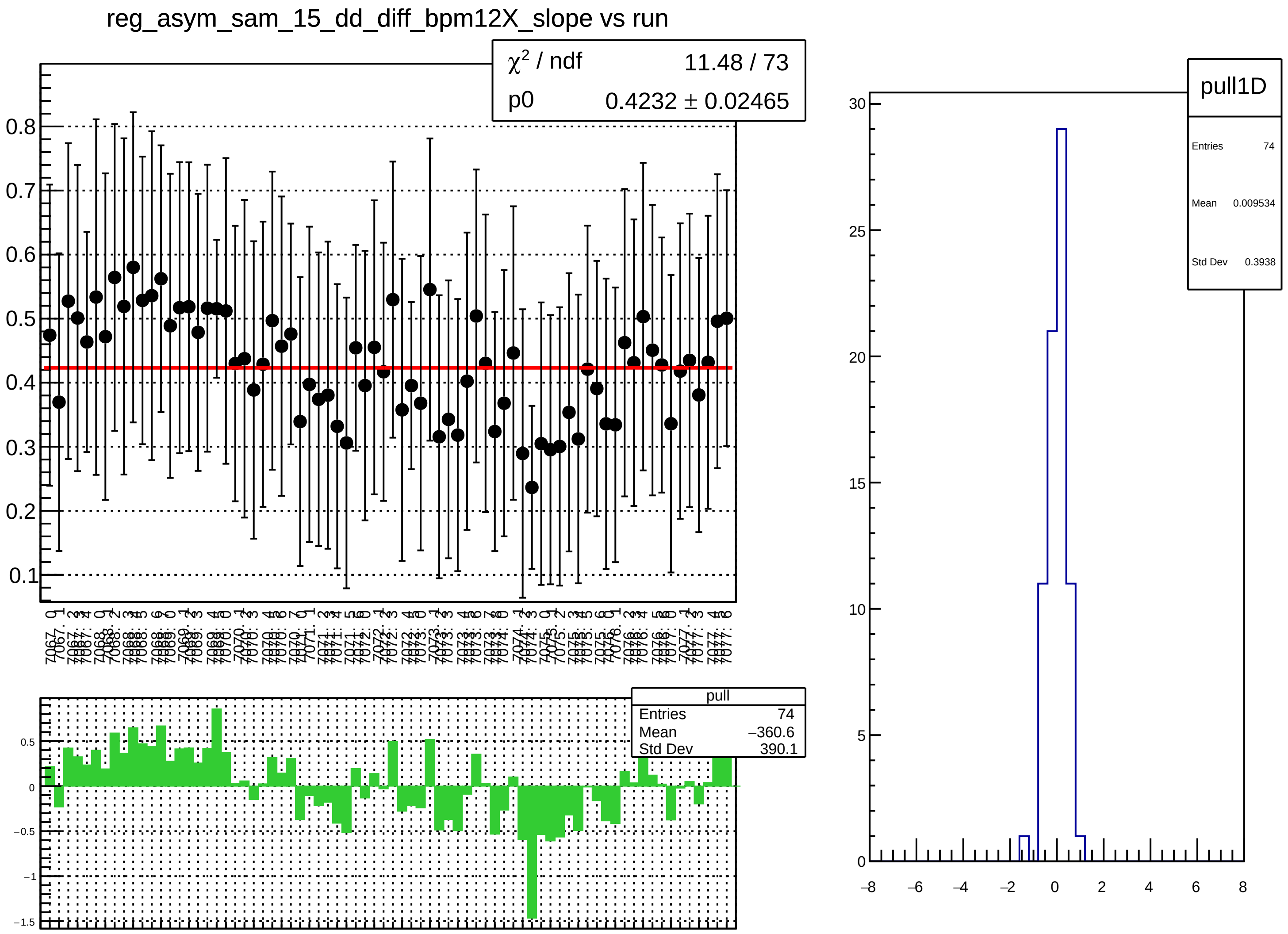
reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 16.68 / 73
p0 −50.9 ± 0.5219
pull
Entries 74
Mean 16.17
Std Dev 47.4
pull1D
Entries 74
Mean 0.02644
Std Dev 0.474



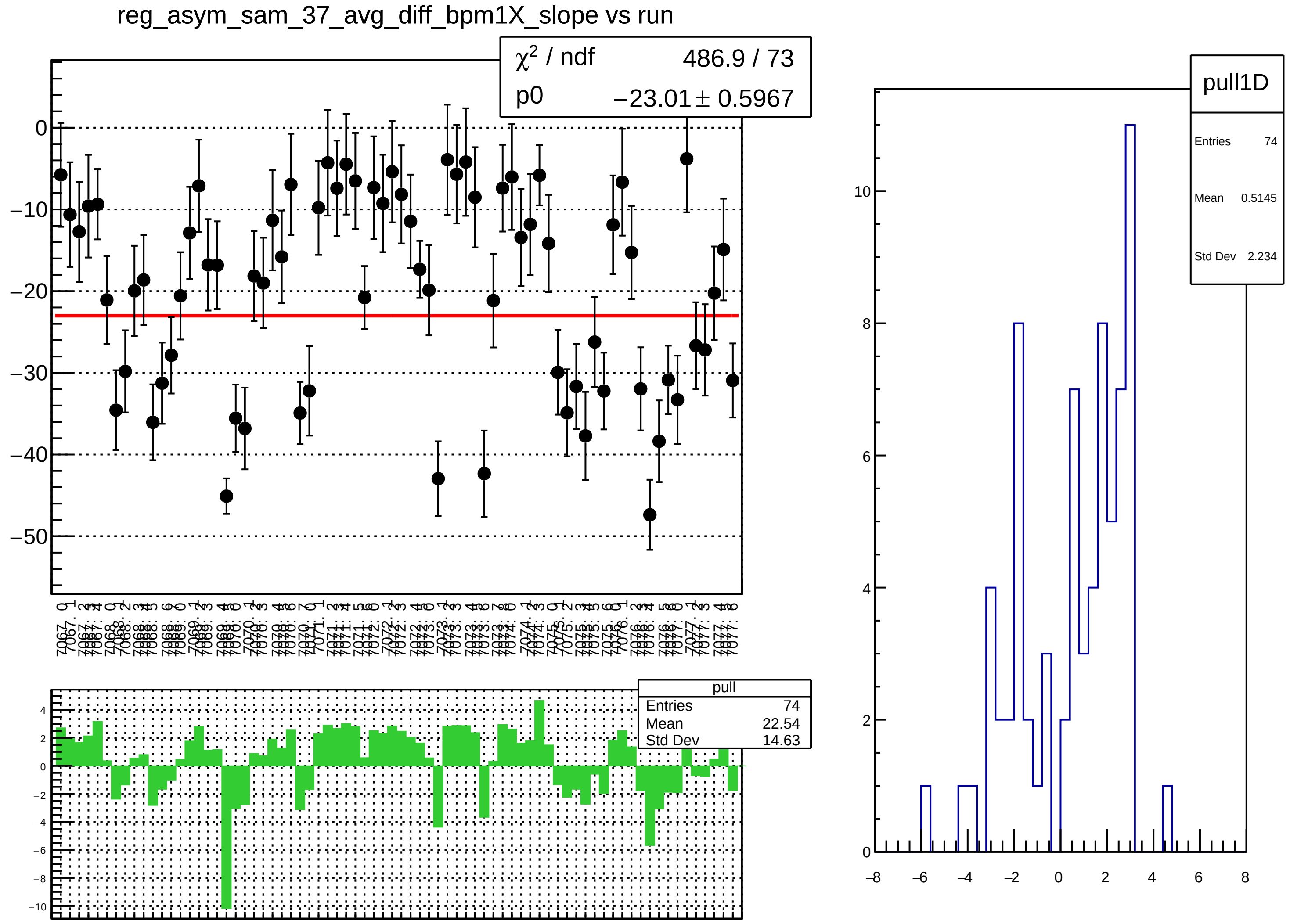
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 33.73 / 73
p0 −15.88 ± 0.6242
pull
Entries 74
Mean 20.54
Std Dev 28.75
pull1D
Entries 74
Mean 0.08931
Std Dev 0.6692

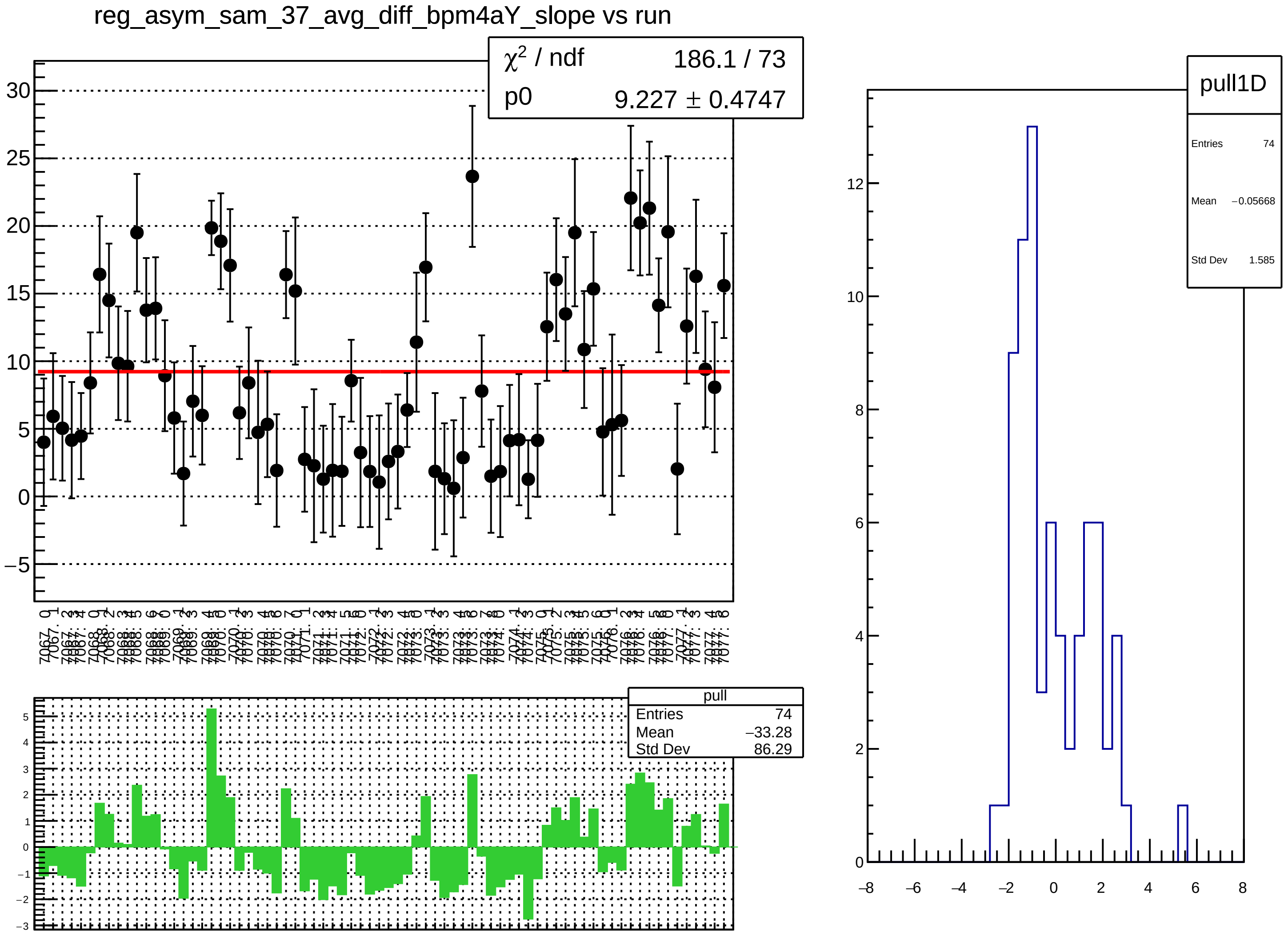


reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 12.43 / 73
p0 −41.25 ± 0.5422
pull
Entries 74
Mean 73.73
Std Dev 64.89
pull1D
Entries 74
Mean −0.02044
Std Dev 0.4093

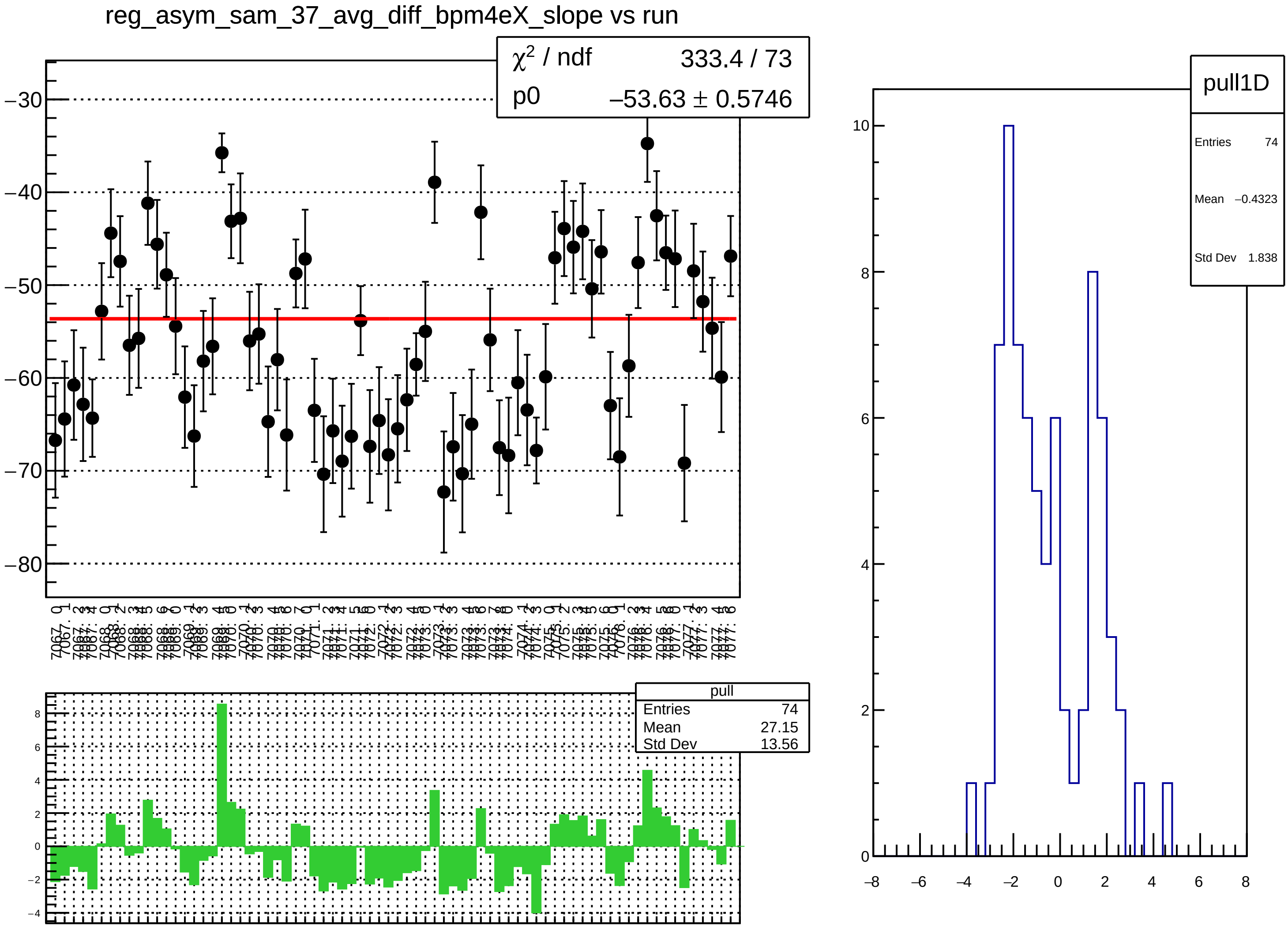


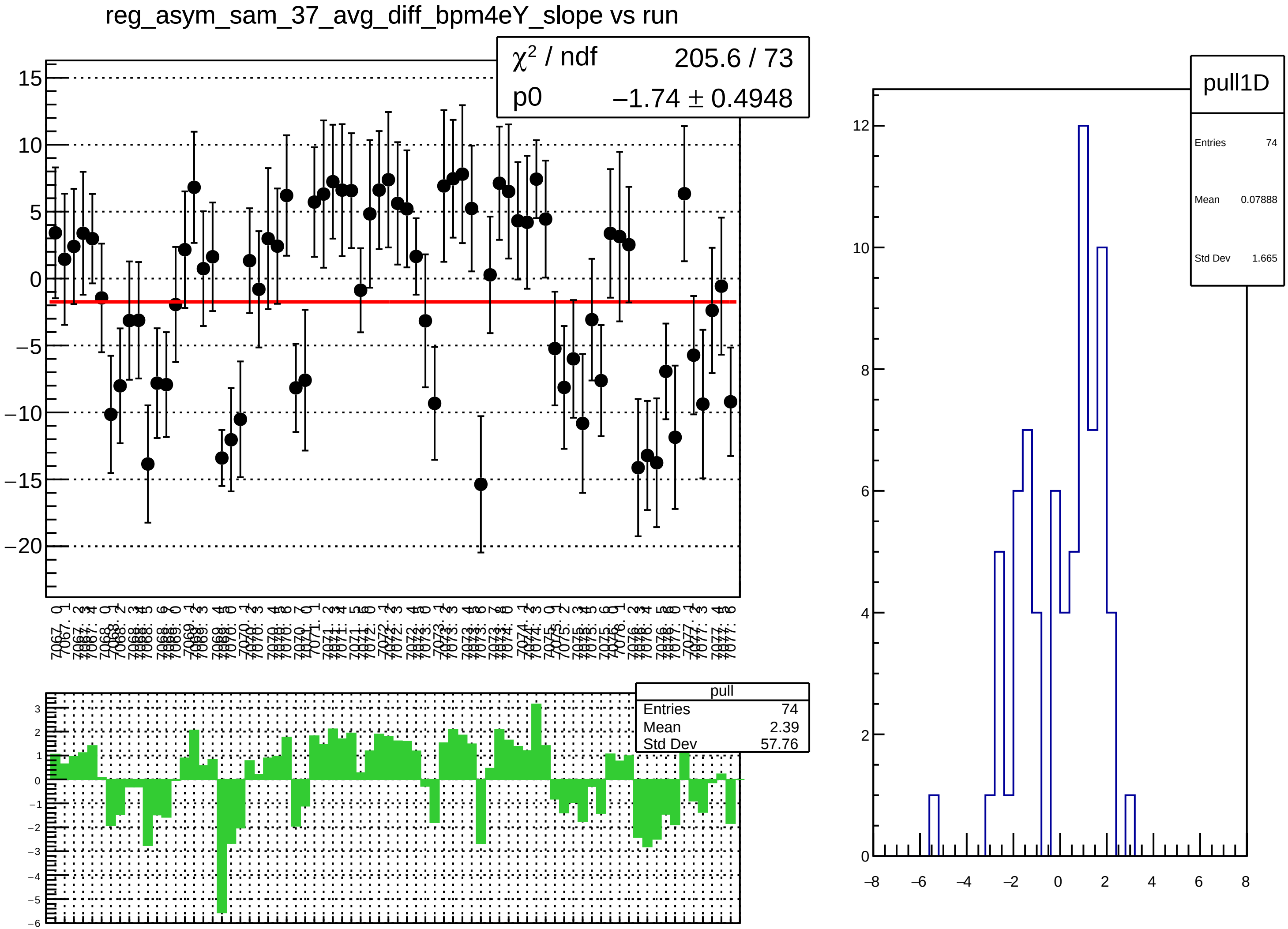
reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.48 / 73
p0 0.4232 ± 0.02465
pull
Entries 74
Mean −360.6
Std Dev 390.1
pull1D
Entries 74
Mean 0.009534
Std Dev 0.3938

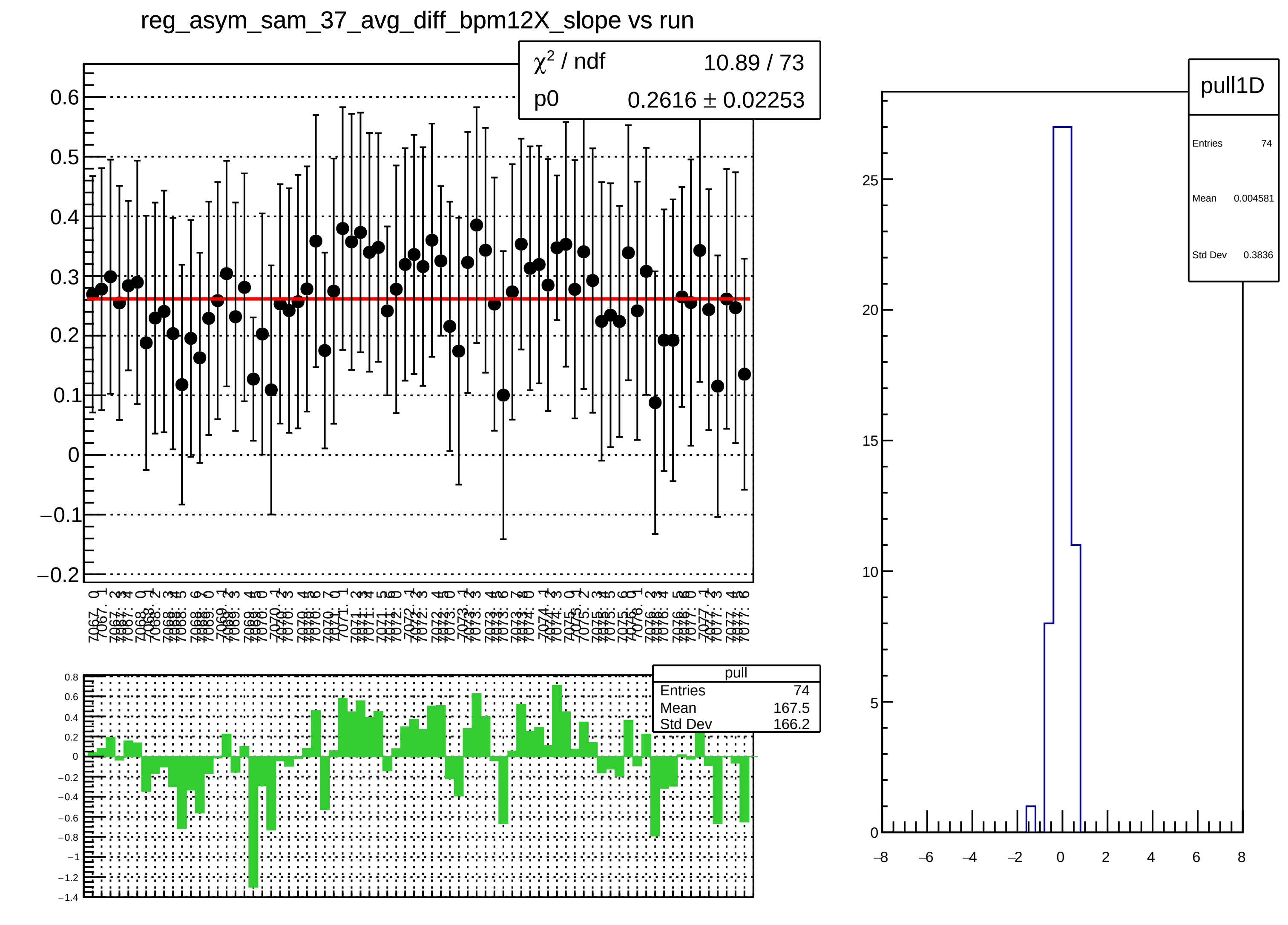

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 486.9 / 73
p0 −23.01 ± 0.5967
pull
Entries 74
Mean 22.54
Std Dev 14.63
pull1D
Entries 74
Mean 0.5145
Std Dev 2.234



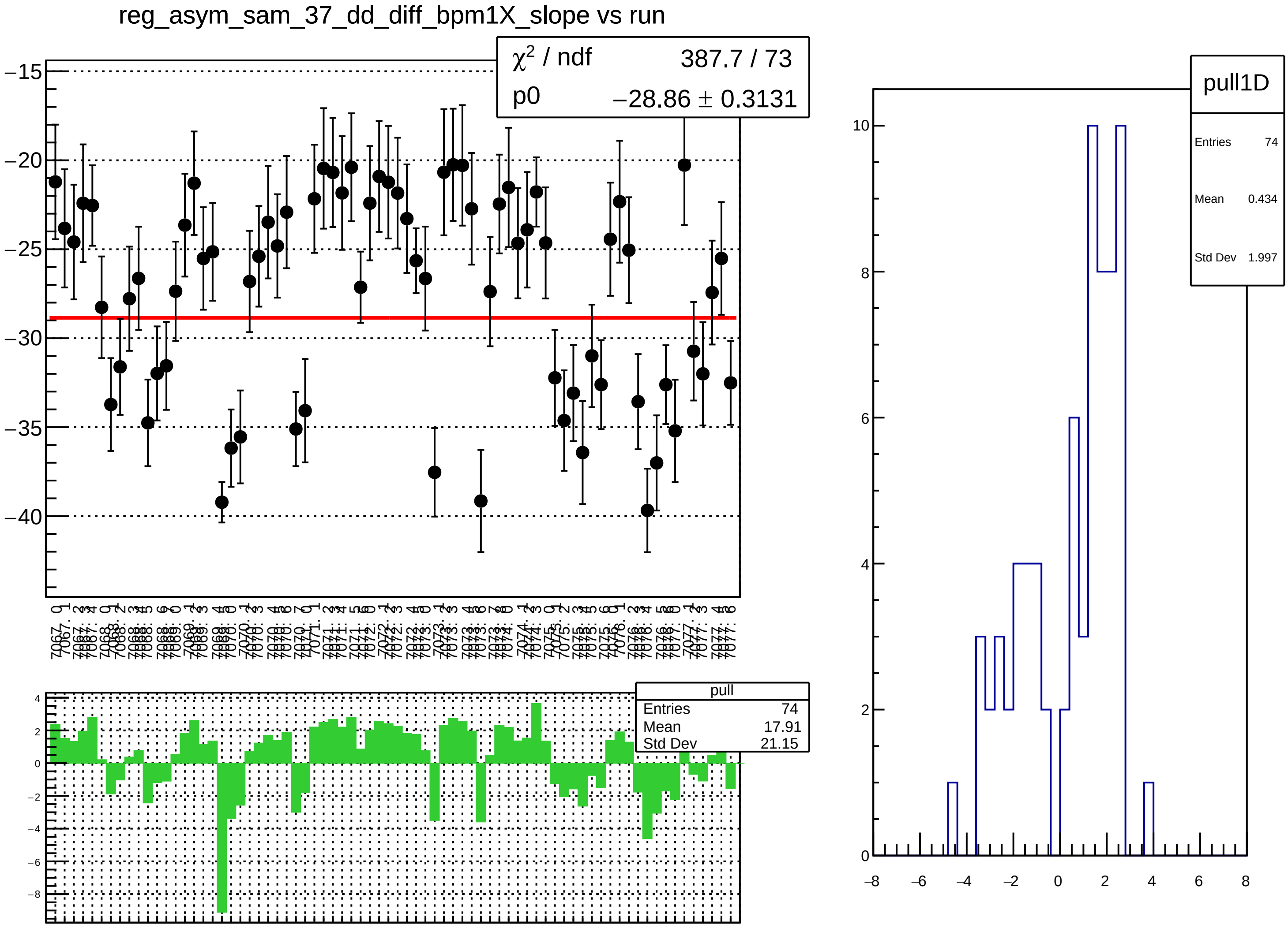
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 186.1 / 73
p0 9.227 ± 0.4747
pull
Entries 74
Mean −33.28
Std Dev 86.29
pull1D
Entries 74
Mean −0.05668
Std Dev 1.585


reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 333.4 / 73
p0 −53.63 ± 0.5746
pull
Entries 74
Mean 27.15
Std Dev 13.56
pull1D
Entries 74
Mean −0.4323
Std Dev 1.838

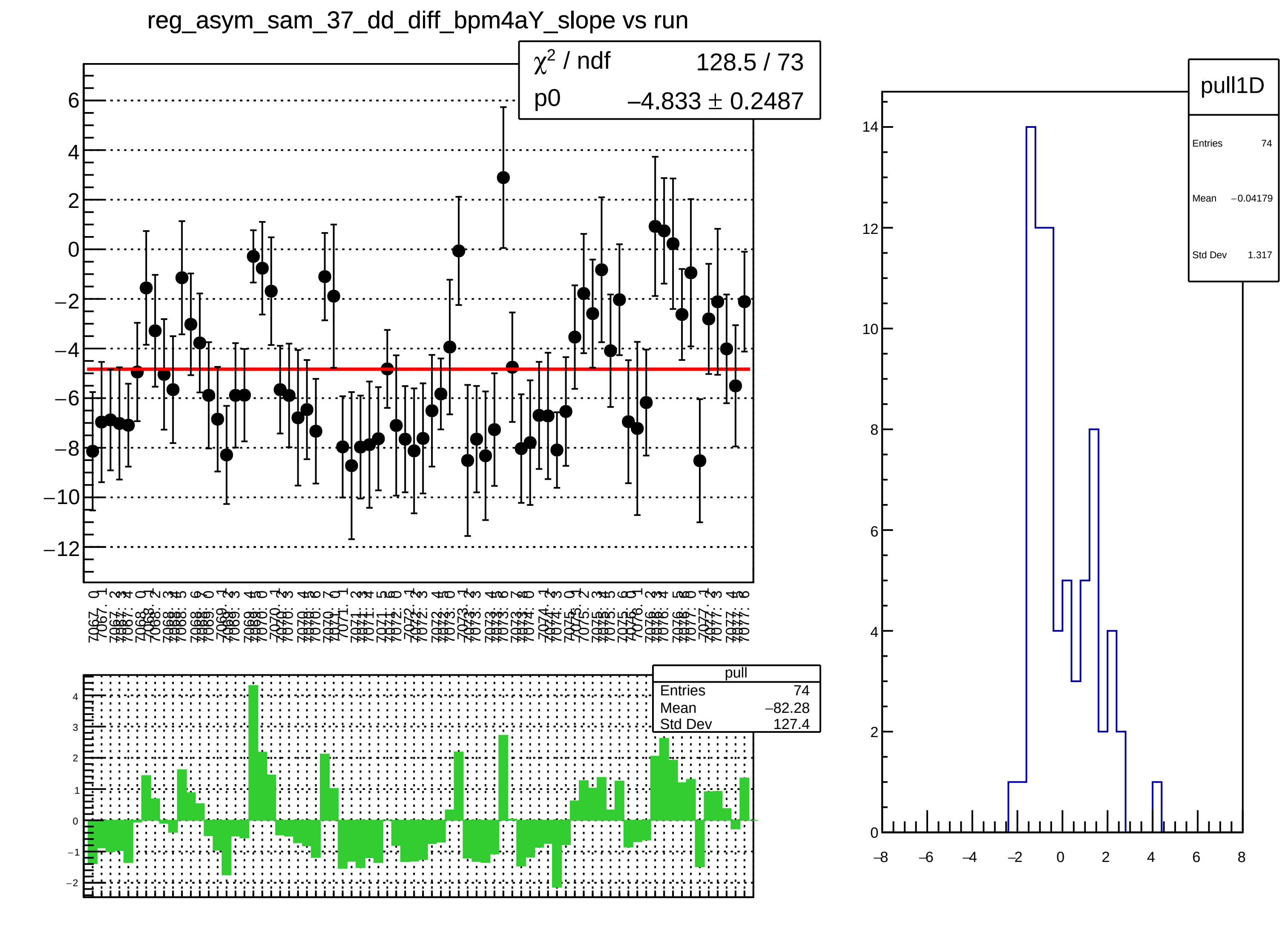

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 205.6 / 73
p0 −1.74 ± 0.4948
pull
Entries 74
Mean 2.39
Std Dev 57.76
pull1D
Entries 74
Mean 0.07888
Std Dev 1.665

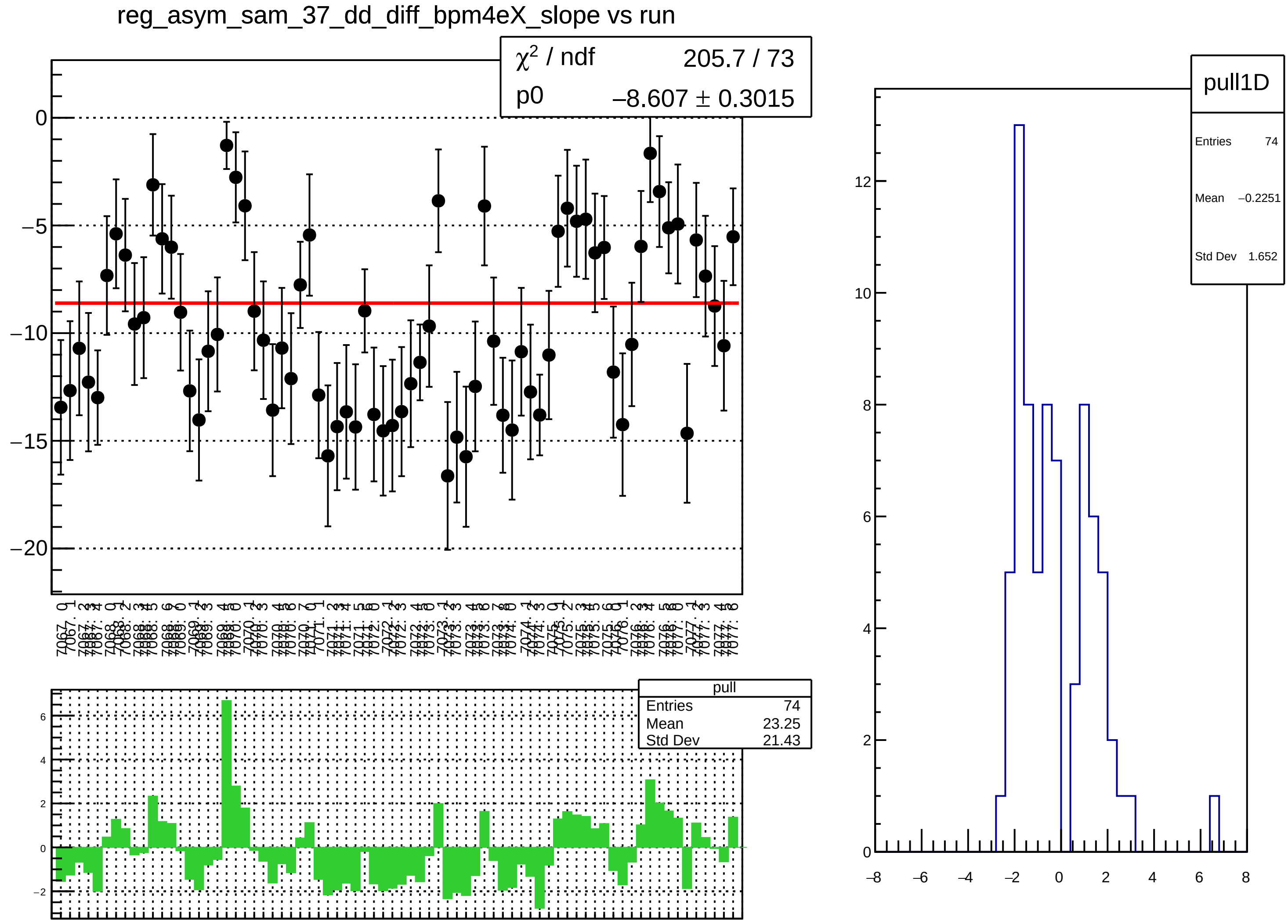


reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 10.89 / 73
p0 0.2616 ± 0.02253
pull
Entries 74
Mean 167.5
Std Dev 166.2
pull1D
Entries 74
Mean 0.004581
Std Dev 0.3836

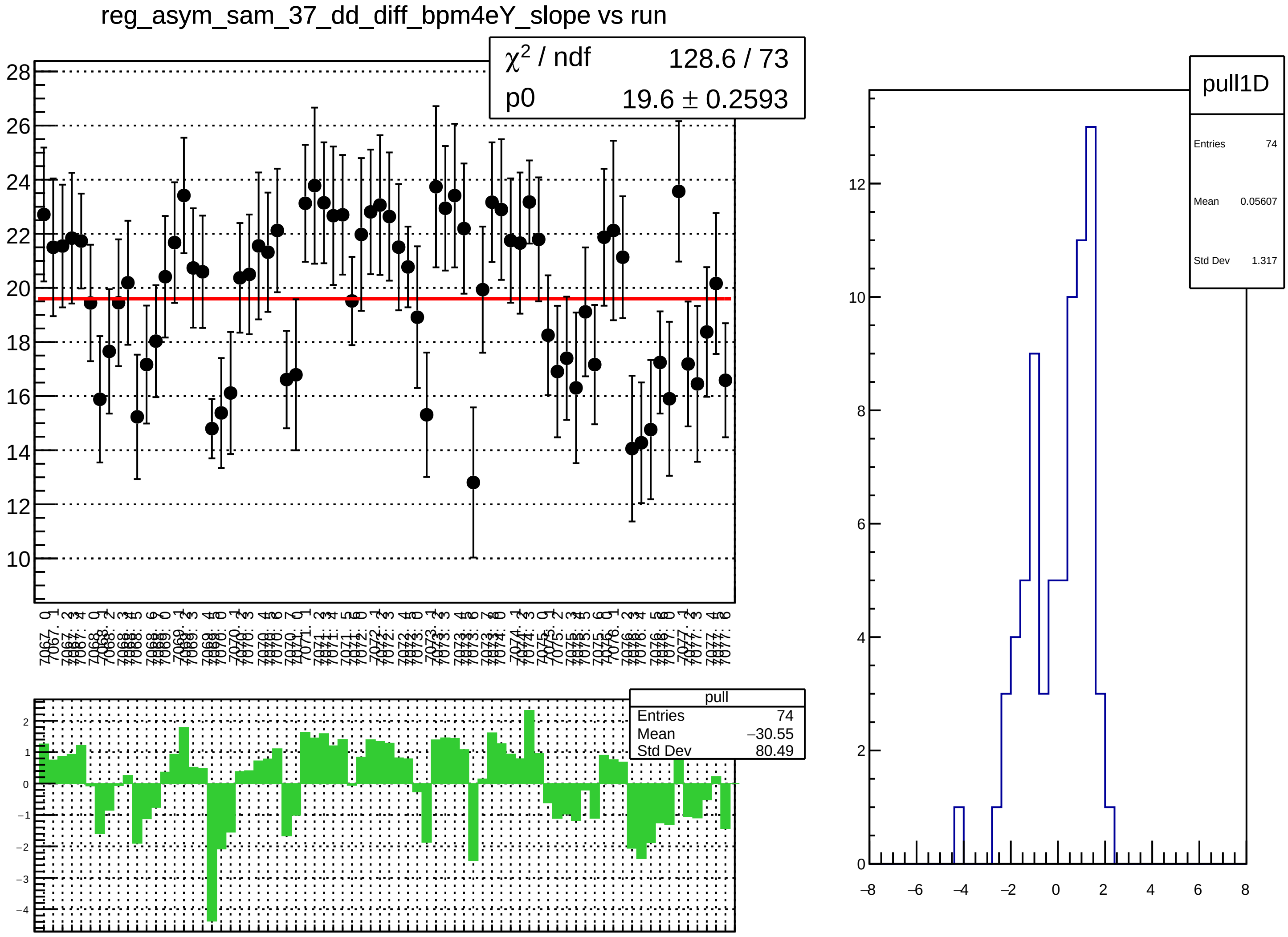


reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 387.7 / 73
p0 −28.86 ± 0.3131
pull
Entries 74
Mean 17.91
Std Dev 21.15
pull1D
Entries 74
Mean 0.434
Std Dev 1.997


reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 128.5 / 73
p0 −4.833 ± 0.2487
pull
Entries 74
Mean −82.28
Std Dev 127.4
pull1D
Entries 74
Mean −0.04179
Std Dev 1.317

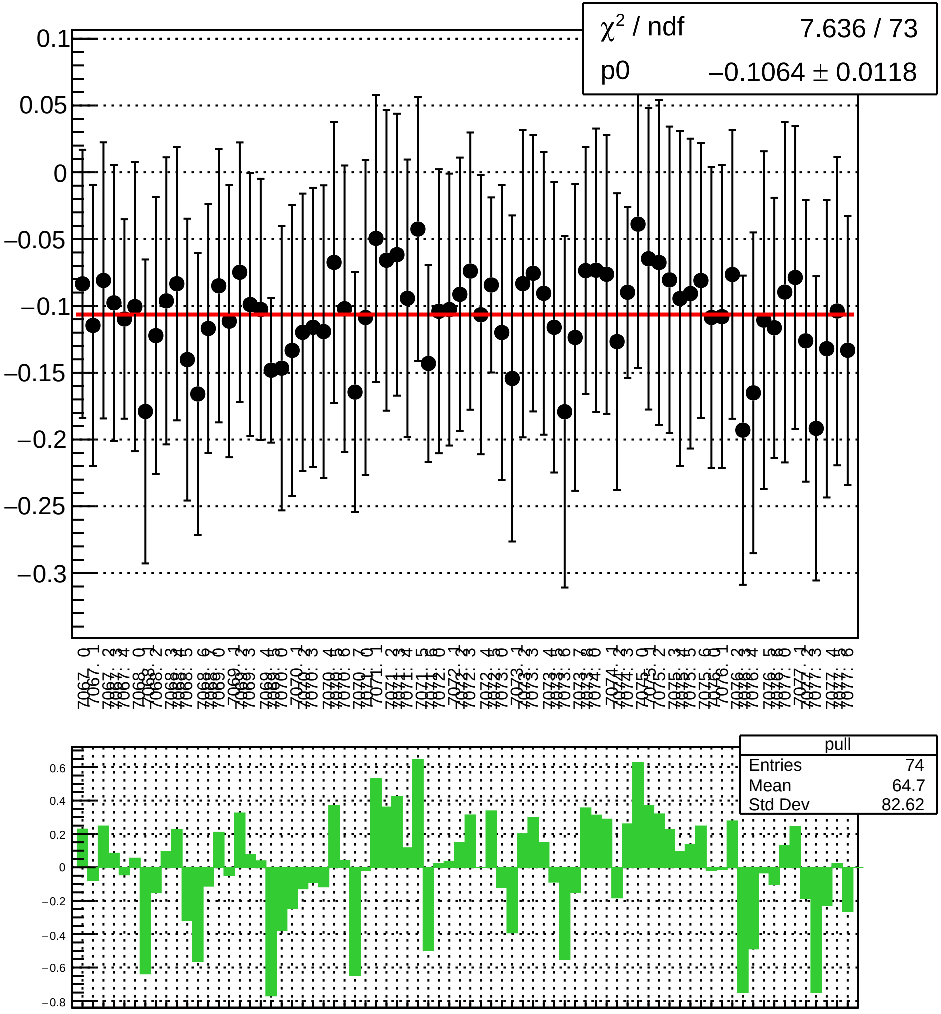


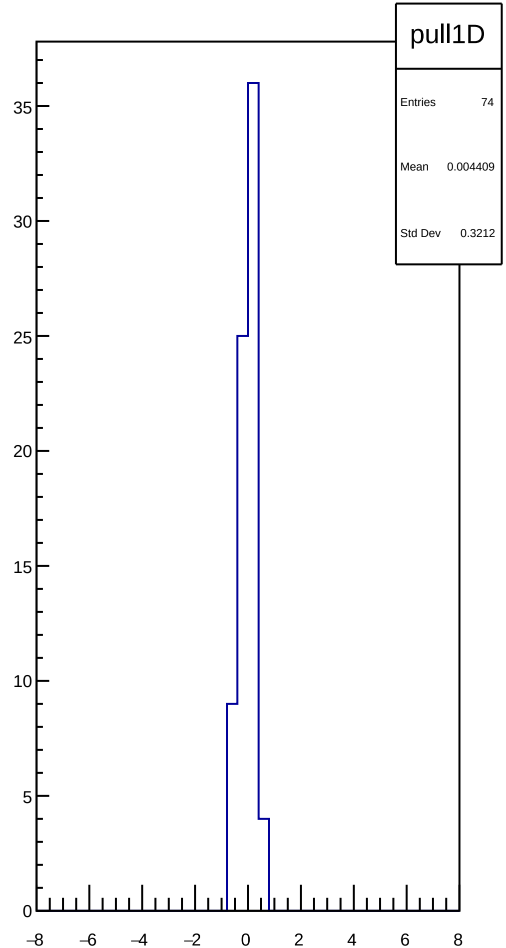
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 205.7 / 73
p0 −8.607 ± 0.3015
pull
Entries 74
Mean 23.25
Std Dev 21.43
pull1D
Entries 74
Mean −0.2251
Std Dev 1.652

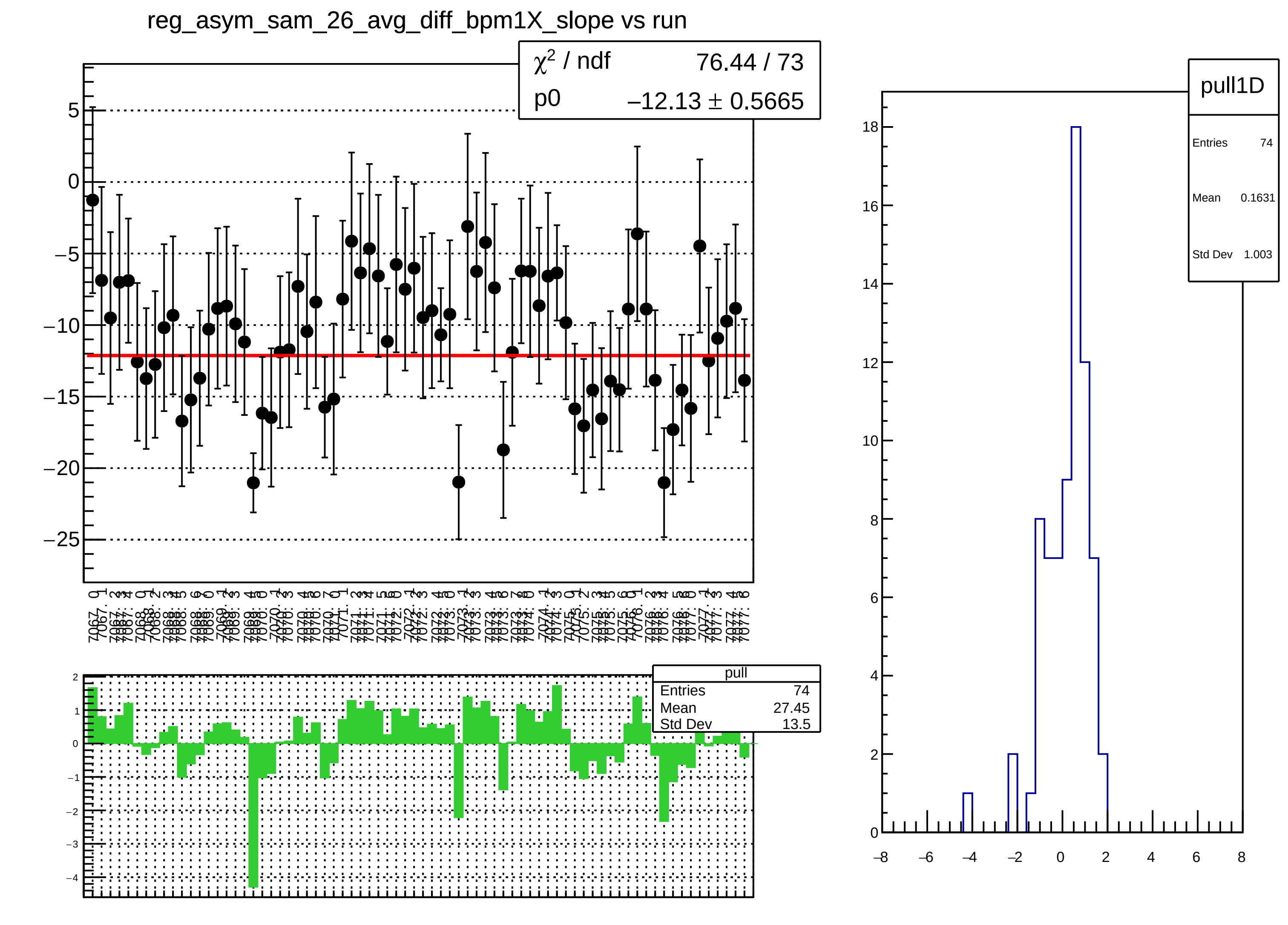


reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 128.6 / 73
p0 19.6 ± 0.2593
pull
Entries 74
Mean −30.55
Std Dev 80.49
pull1D
Entries 74
Mean 0.05607
Std Dev 1.317

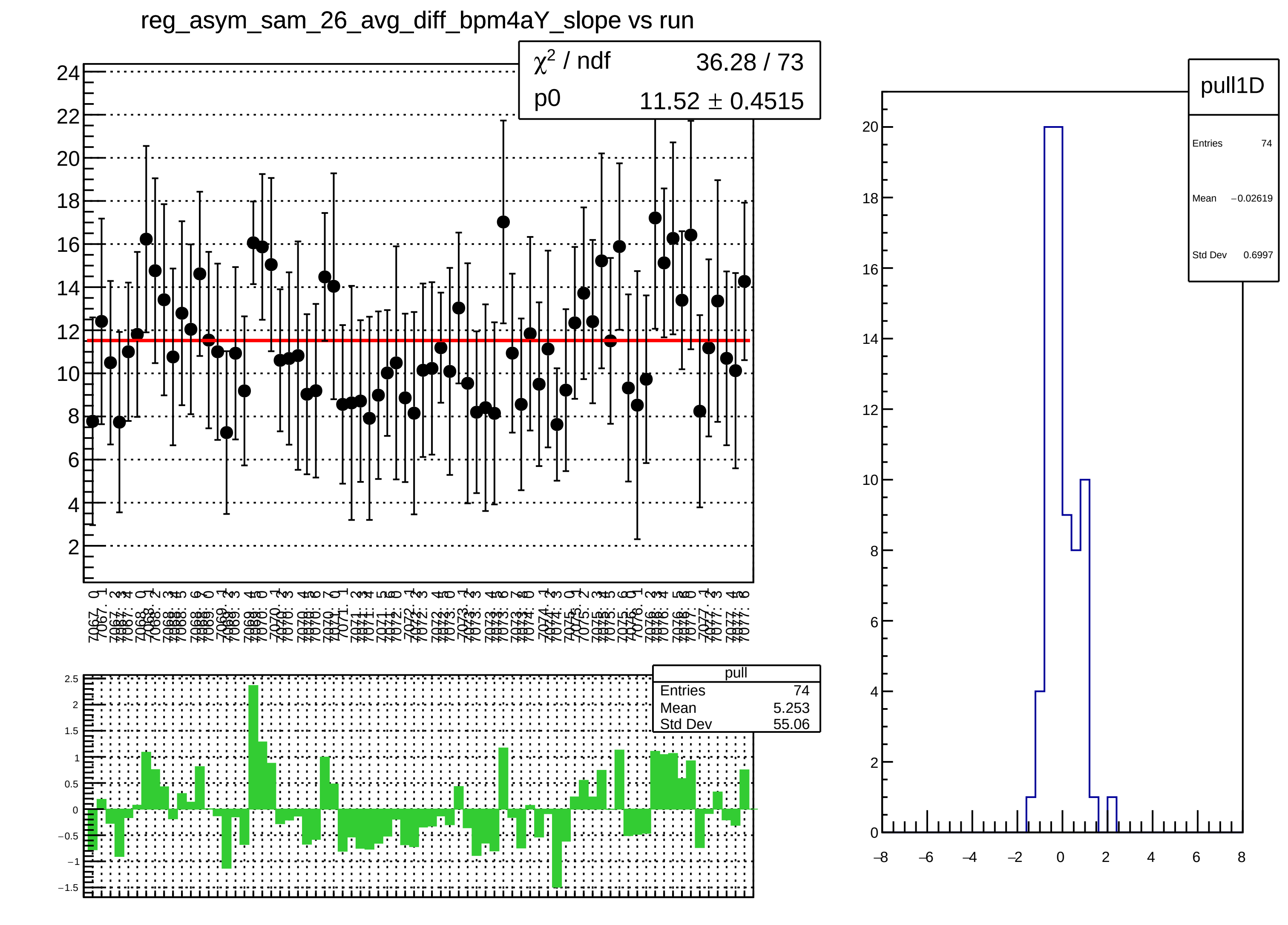
reg_asym_sam_37_dd_diff_bpm12X_slope vs run

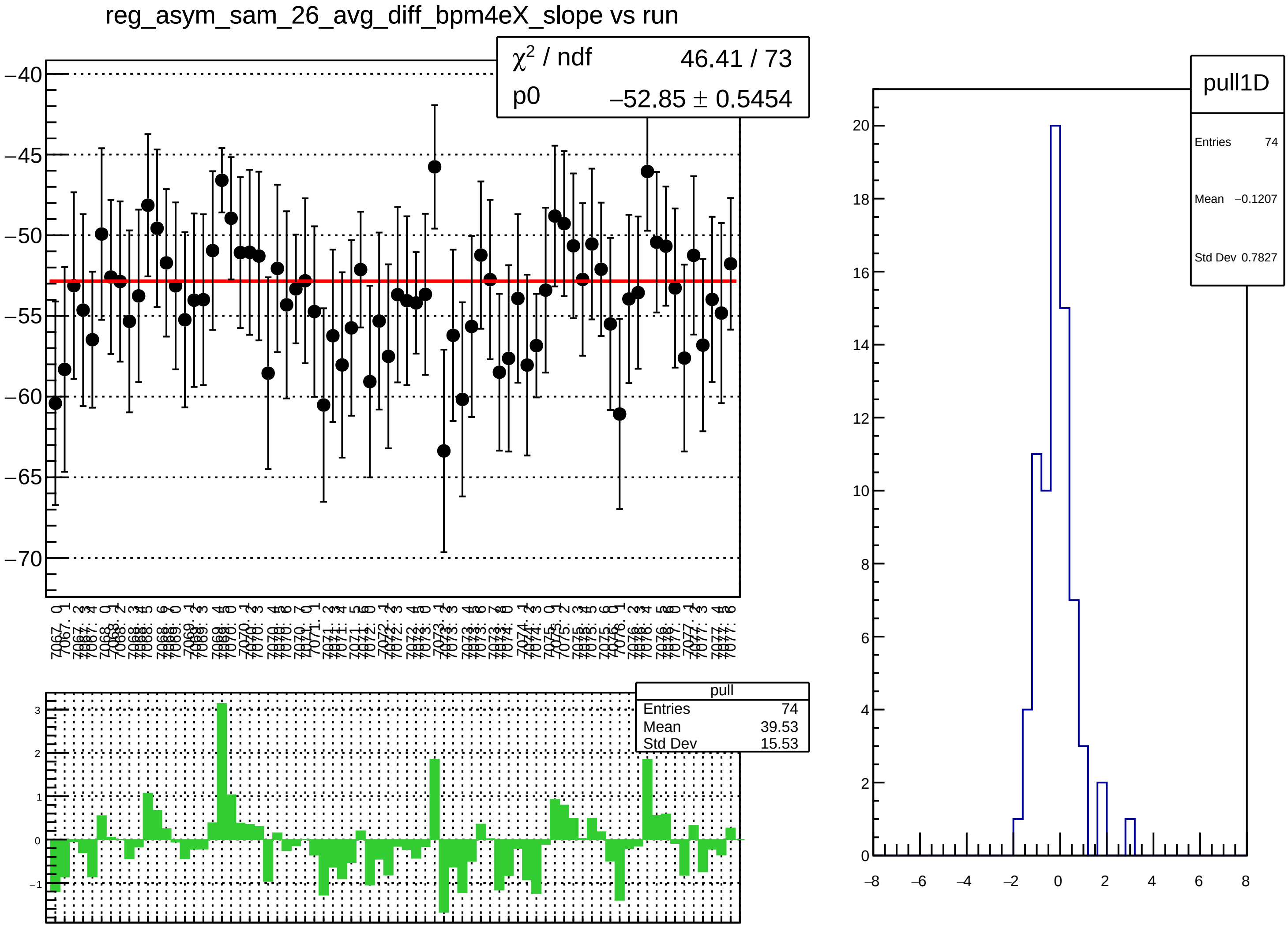




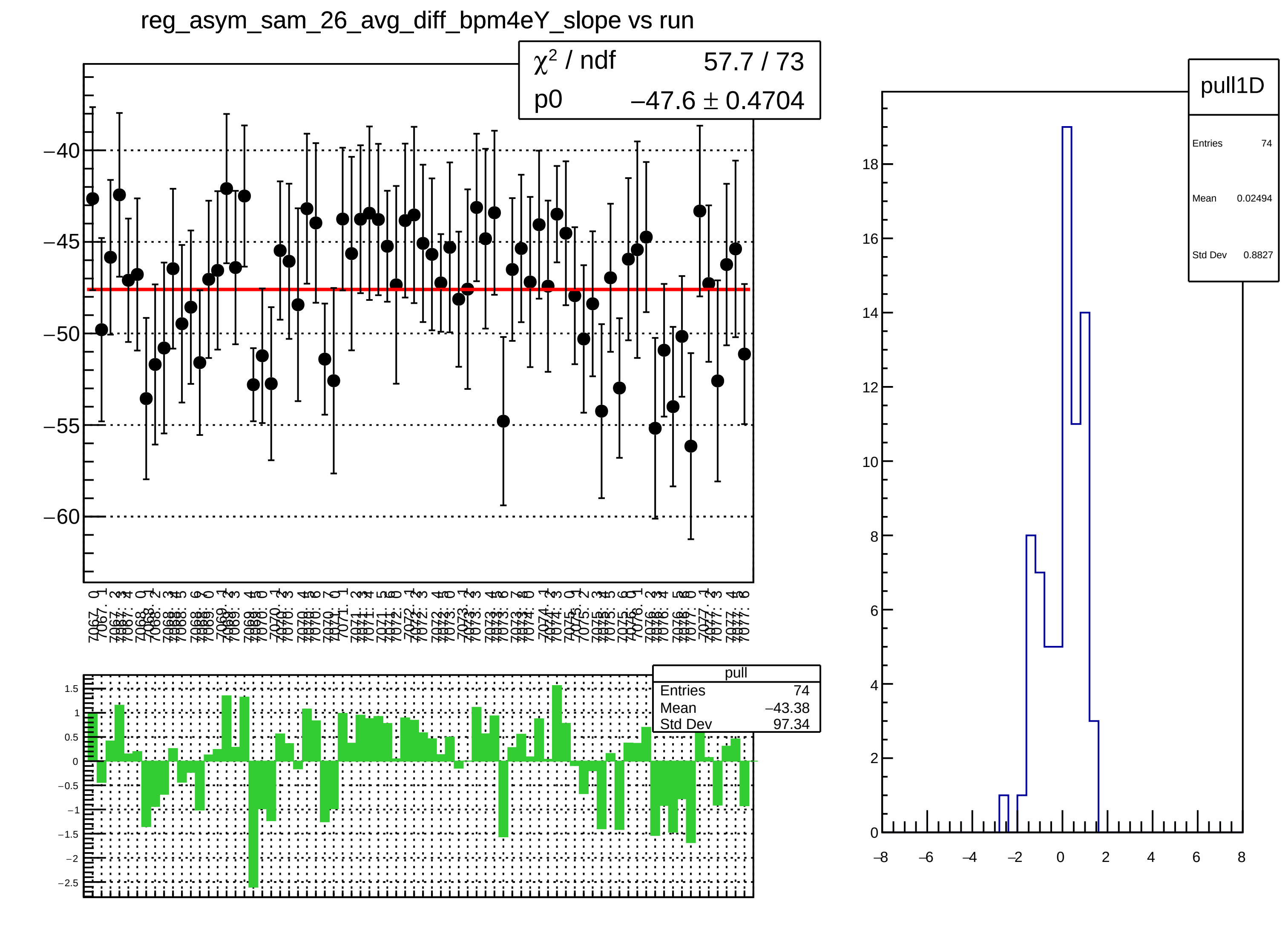


reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 76.44 / 73
p0 −12.13 ± 0.5665
pull
Entries 74
Mean 27.45
Std Dev 13.5
pull1D
Entries 74
Mean 0.1631
Std Dev 1.003

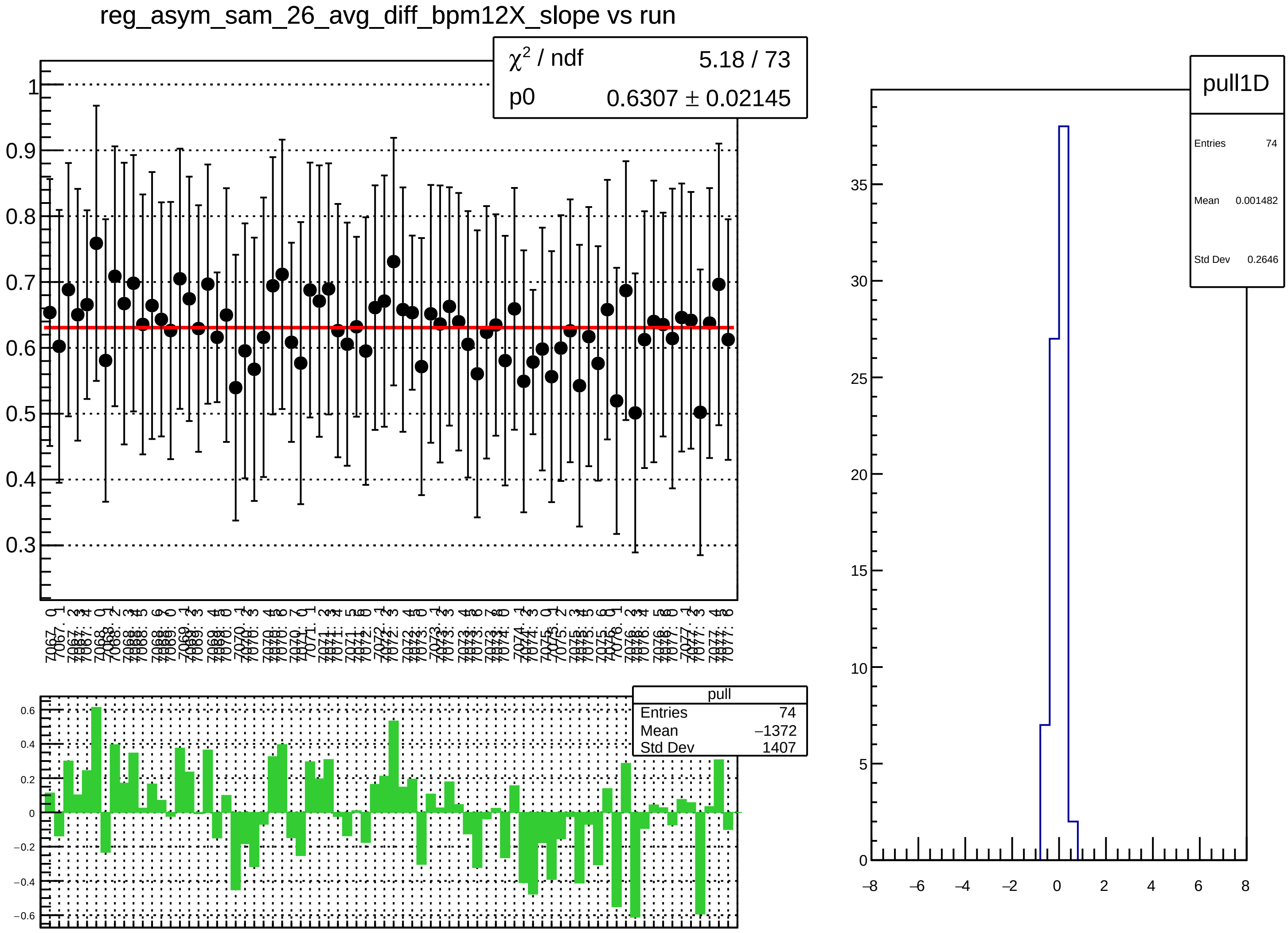

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ2 / ndf 36.28 / 73
p0 11.52 ± 0.4515
pull
Entries 74
Mean 5.253
Std Dev 55.06
pull1D
Entries 74
Mean −0.02619
Std Dev 0.6997



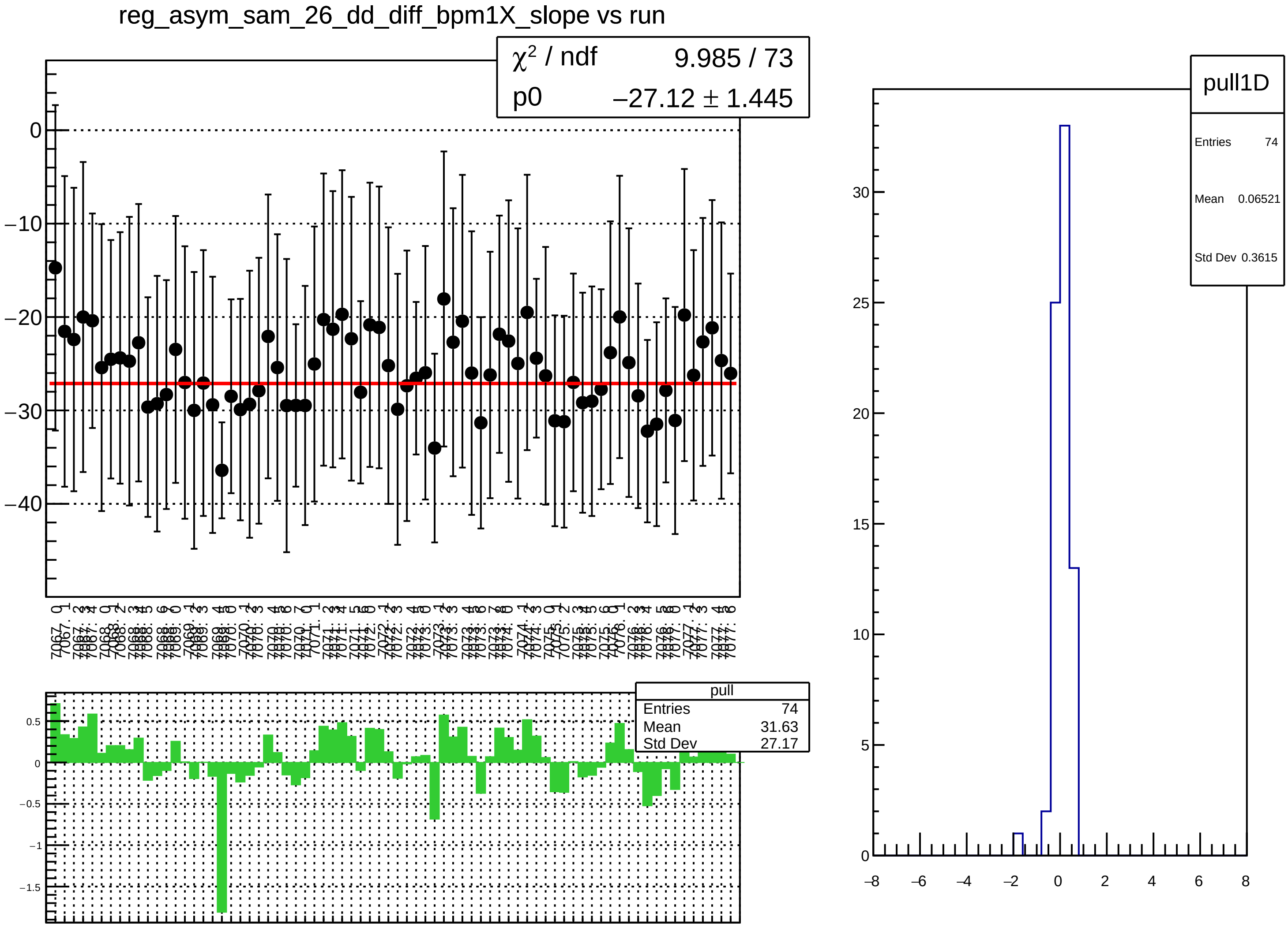
reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 46.41 / 73
p0 −52.85 ± 0.5454
pull
Entries 74
Mean 39.53
Std Dev 15.53
pull1D
Entries 74
Mean −0.1207
Std Dev 0.7827



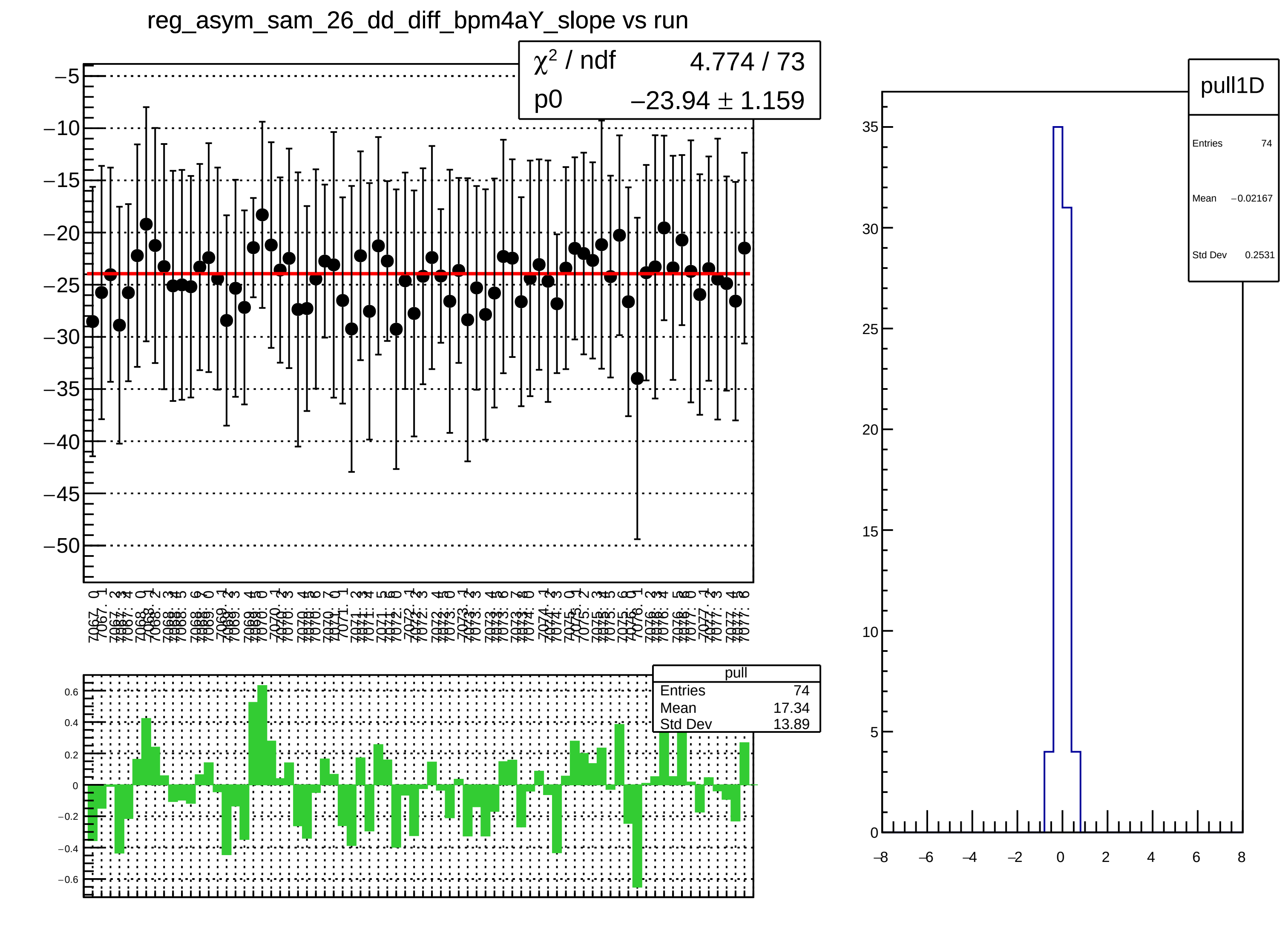
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 57.7 / 73
p0 −47.6 ± 0.4704
−40
−45
−50
−55
−60
pull
Entries 74
Mean −43.38
Std Dev 97.34
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 74
Mean 0.02494
Std Dev 0.8827
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



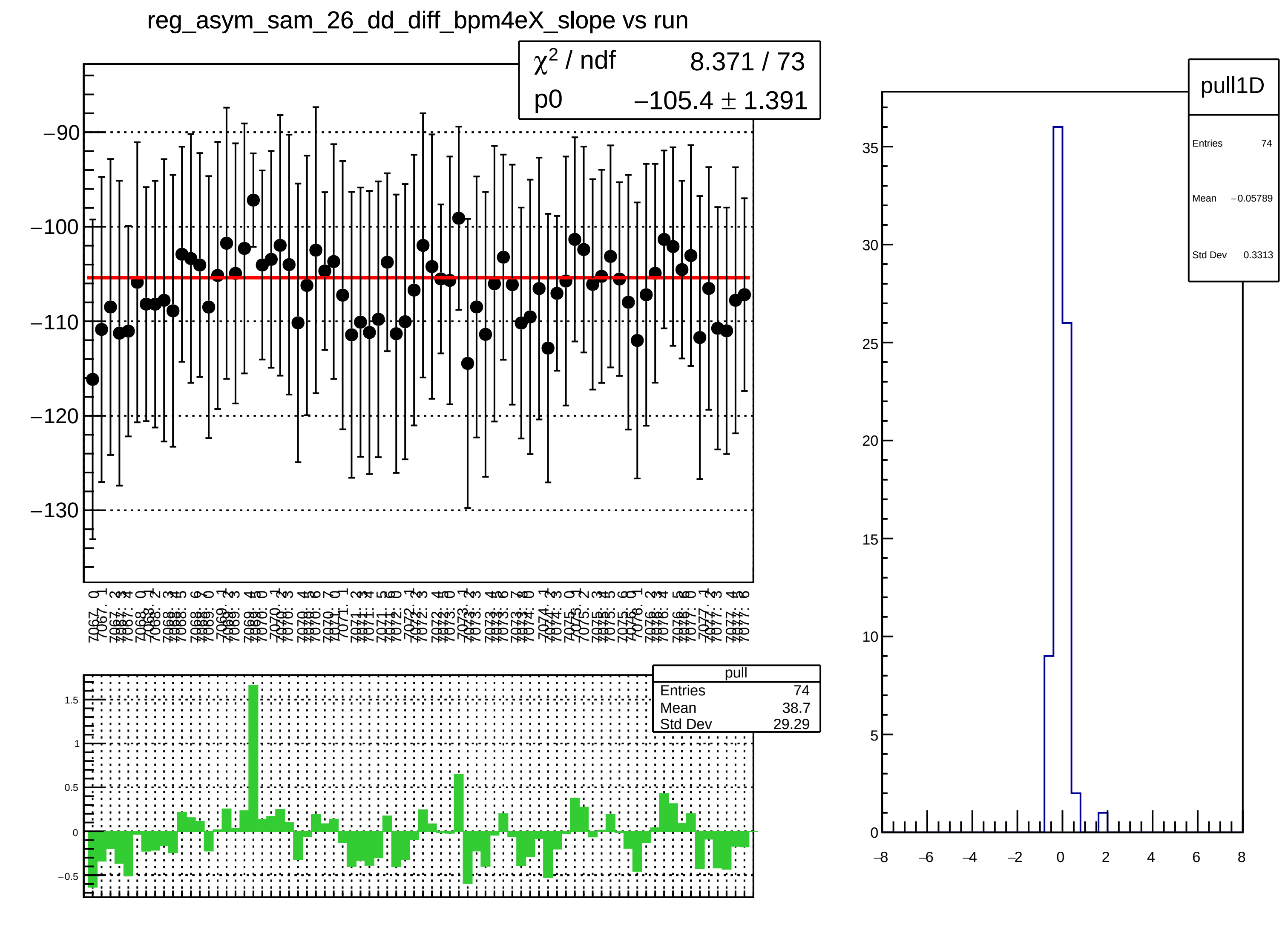
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.18 / 73
p0 0.6307 ± 0.02145
pull
Entries 74
Mean −1372
Std Dev 1407
pull1D
Entries 74
Mean 0.001482
Std Dev 0.2646

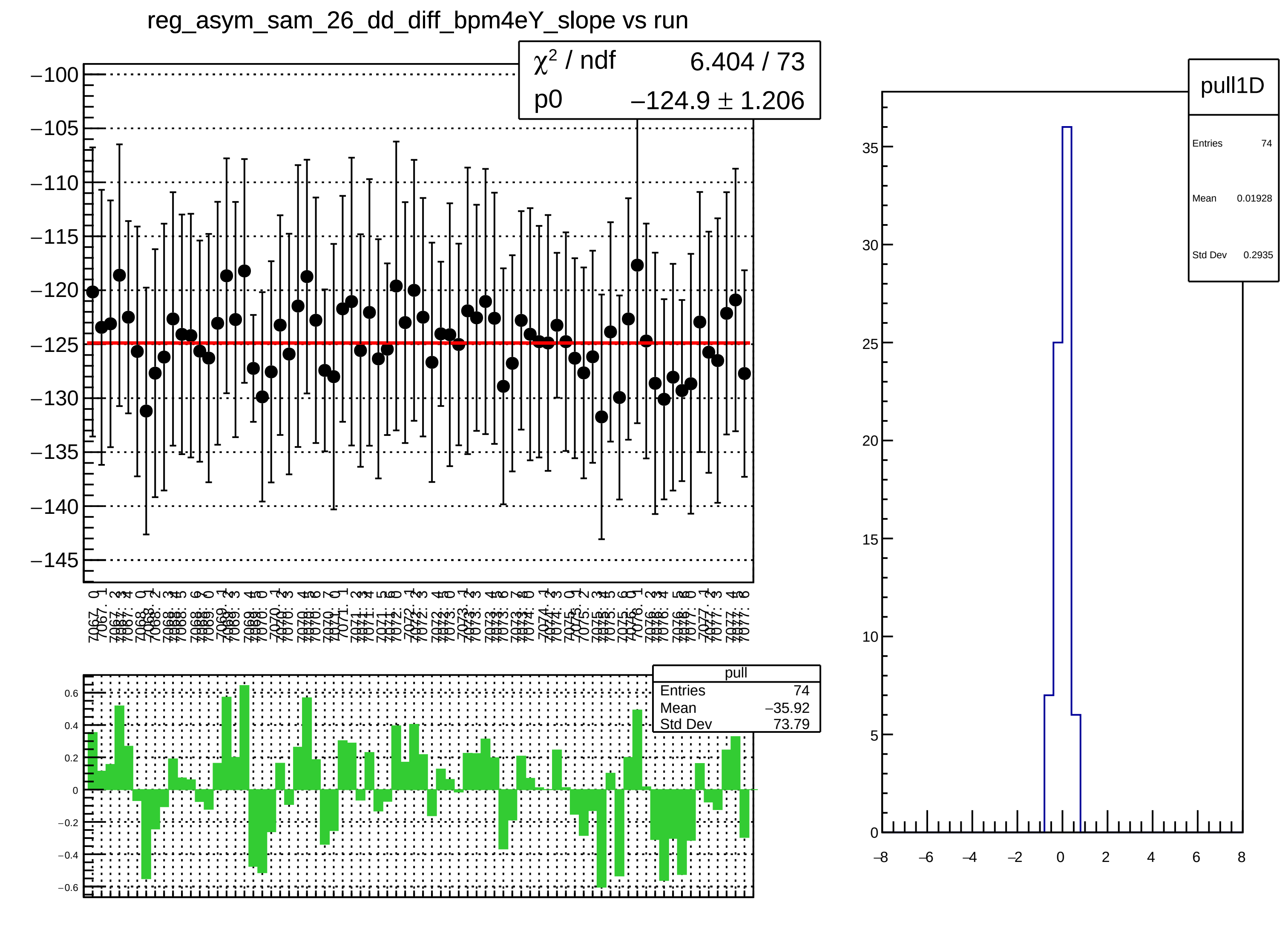


reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.985 / 73
p0 −27.12 ± 1.445
pull
Entries 74
Mean 31.63
Std Dev 27.17
pull1D
Entries 74
Mean 0.06521
Std Dev 0.3615

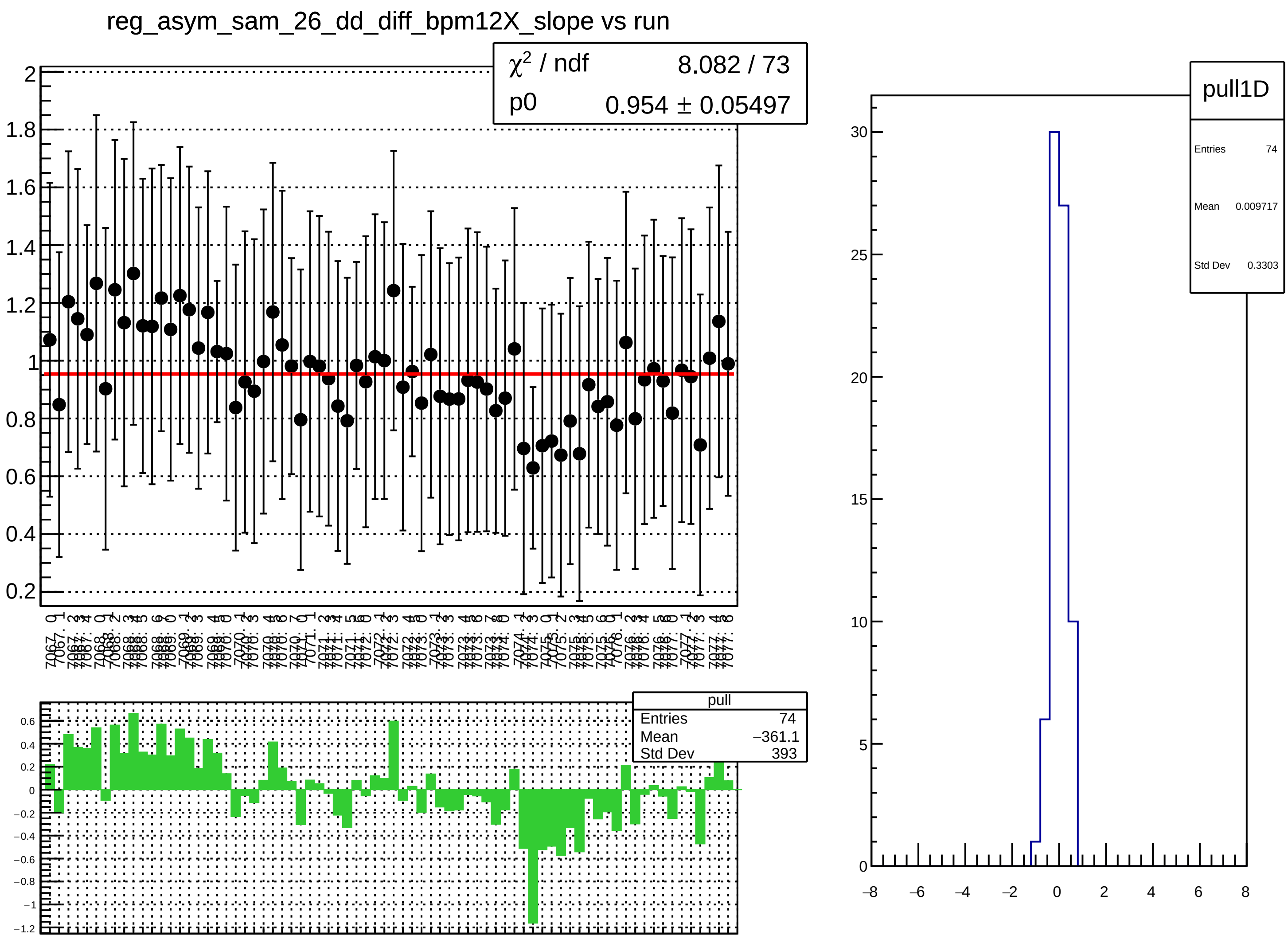


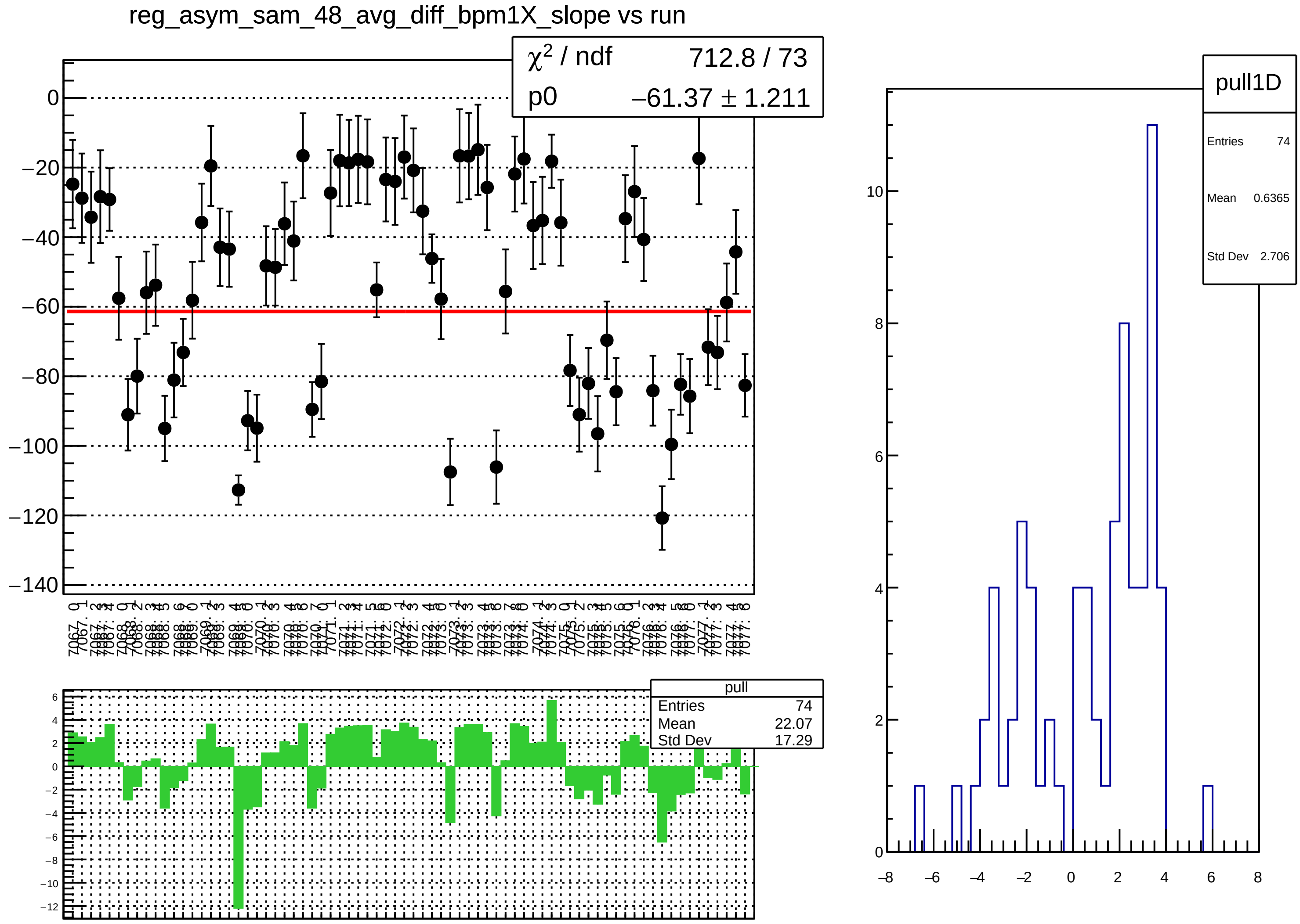
reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ2 / ndf 4.774 / 73
p0 −23.94 ± 1.159
pull
Entries 74
Mean 17.34
Std Dev 13.89
pull1D
Entries 74
Mean −0.02167
Std Dev 0.2531


reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 8.371 / 73
p0 −105.4 ± 1.391
pull
Entries 74
Mean 38.7
Std Dev 29.29
pull1D
Entries 74
Mean −0.05789
Std Dev 0.3313

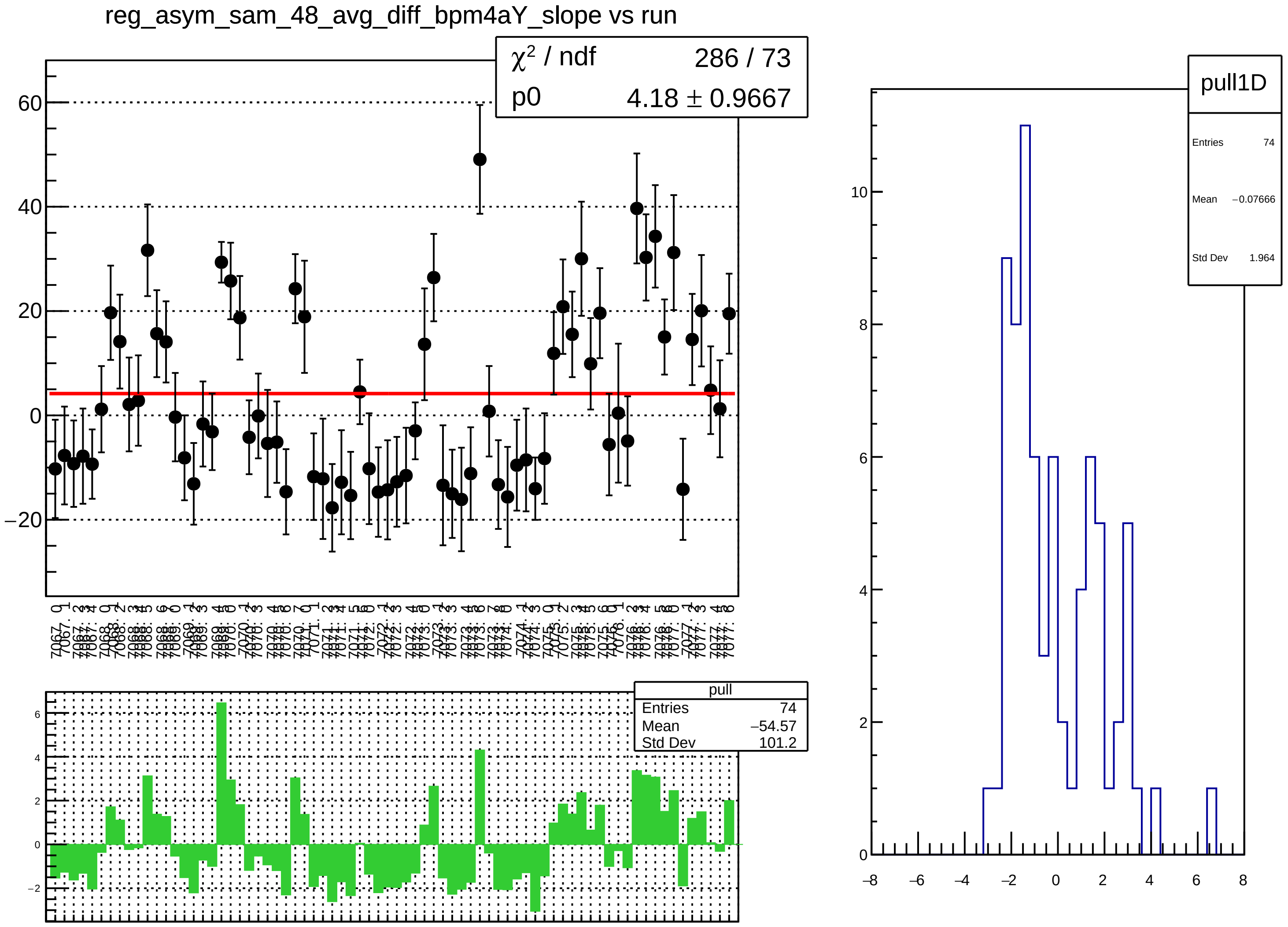


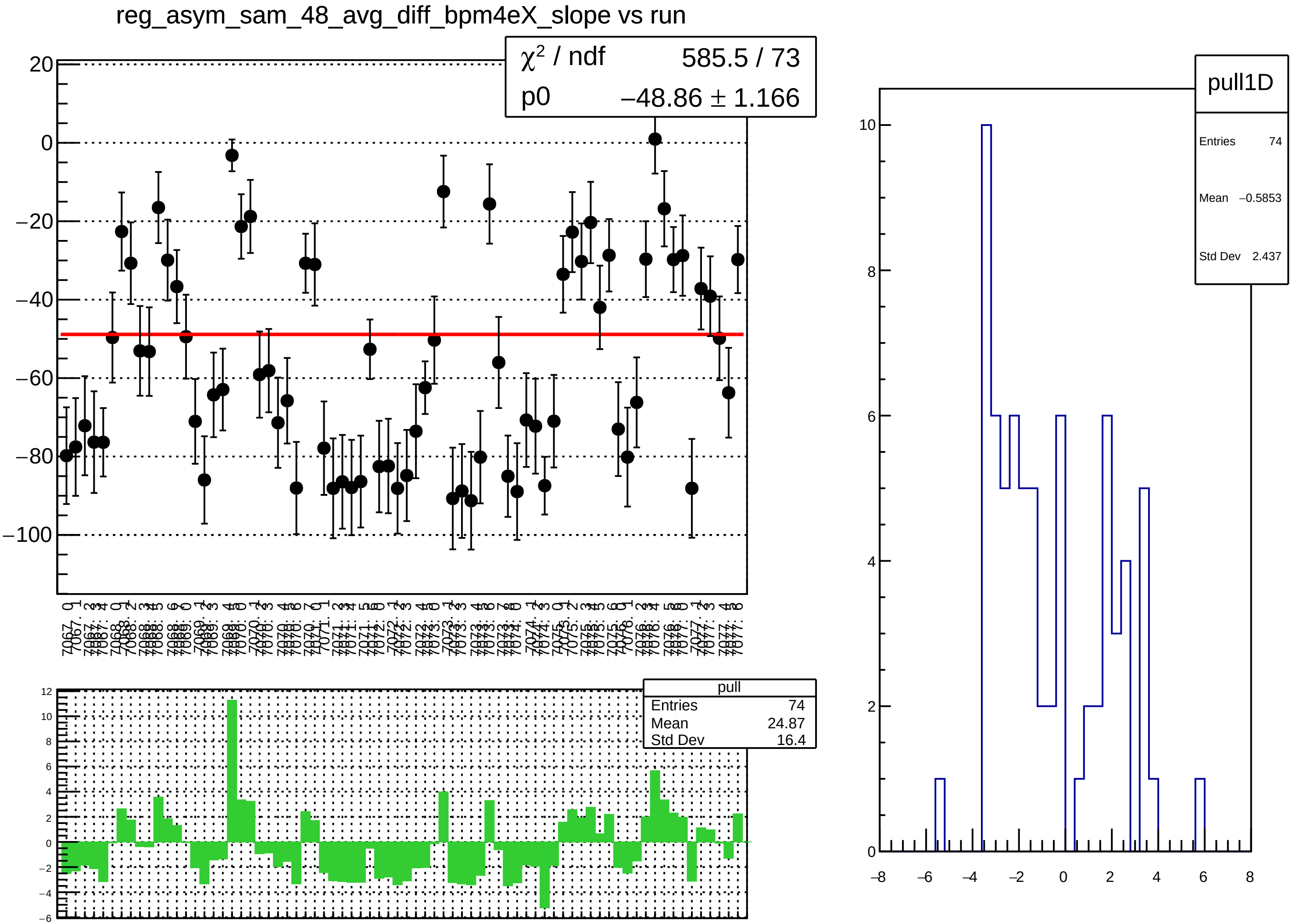
reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ2 / ndf 6.404 / 73
p0 −124.9 ± 1.206
pull
Entries 74
Mean −35.92
Std Dev 73.79
pull1D
Entries 74
Mean 0.01928
Std Dev 0.2935


reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.082 / 73
p0 0.954 ± 0.05497
pull
Entries 74
Mean −361.1
Std Dev 393
pull1D
Entries 74
Mean 0.009717
Std Dev 0.3303

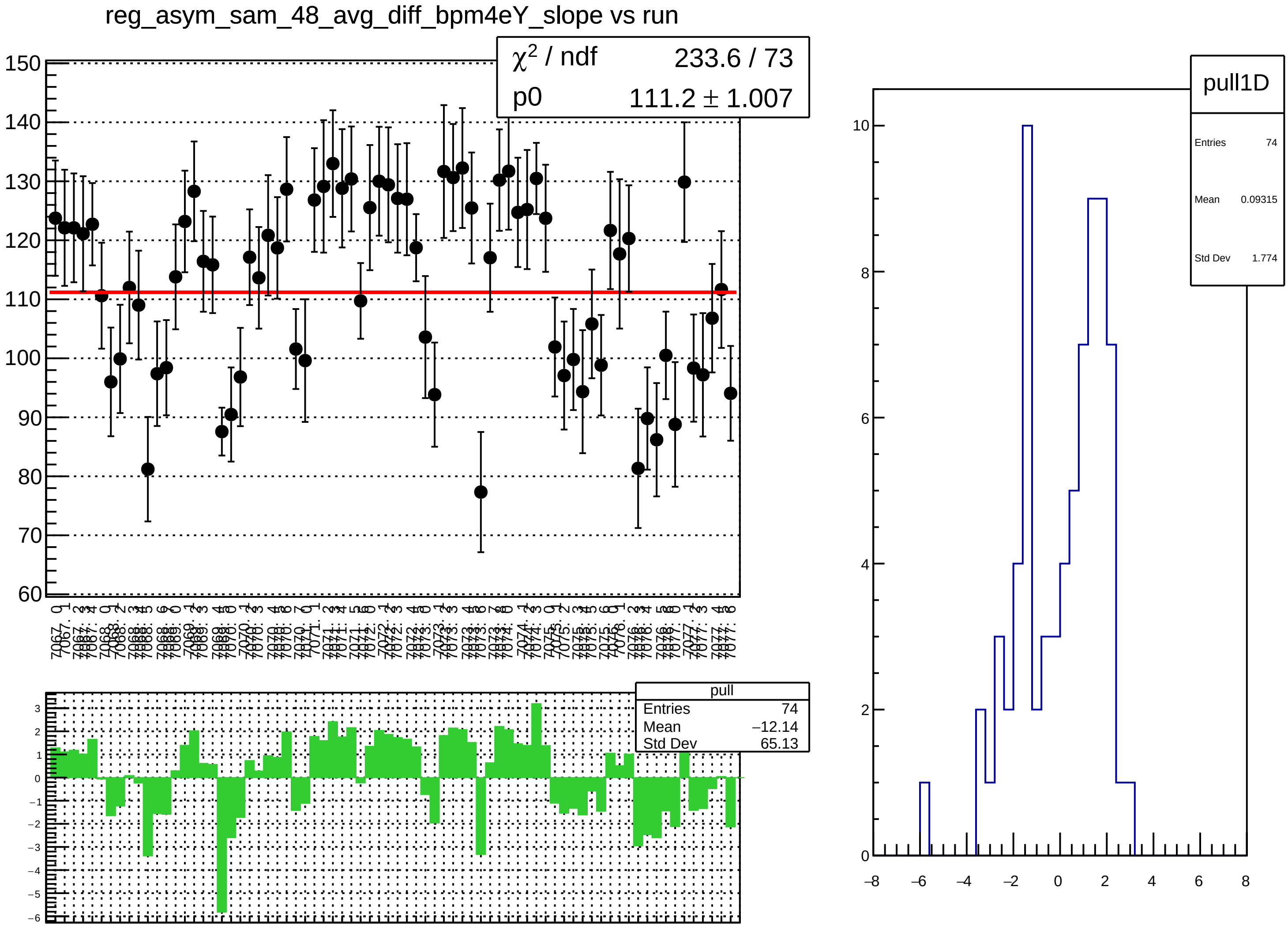


reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ2 / ndf 712.8 / 73
p0 −61.37 ± 1.211
pull
Entries 74
Mean 22.07
Std Dev 17.29
pull1D
Entries 74
Mean 0.6365
Std Dev 2.706

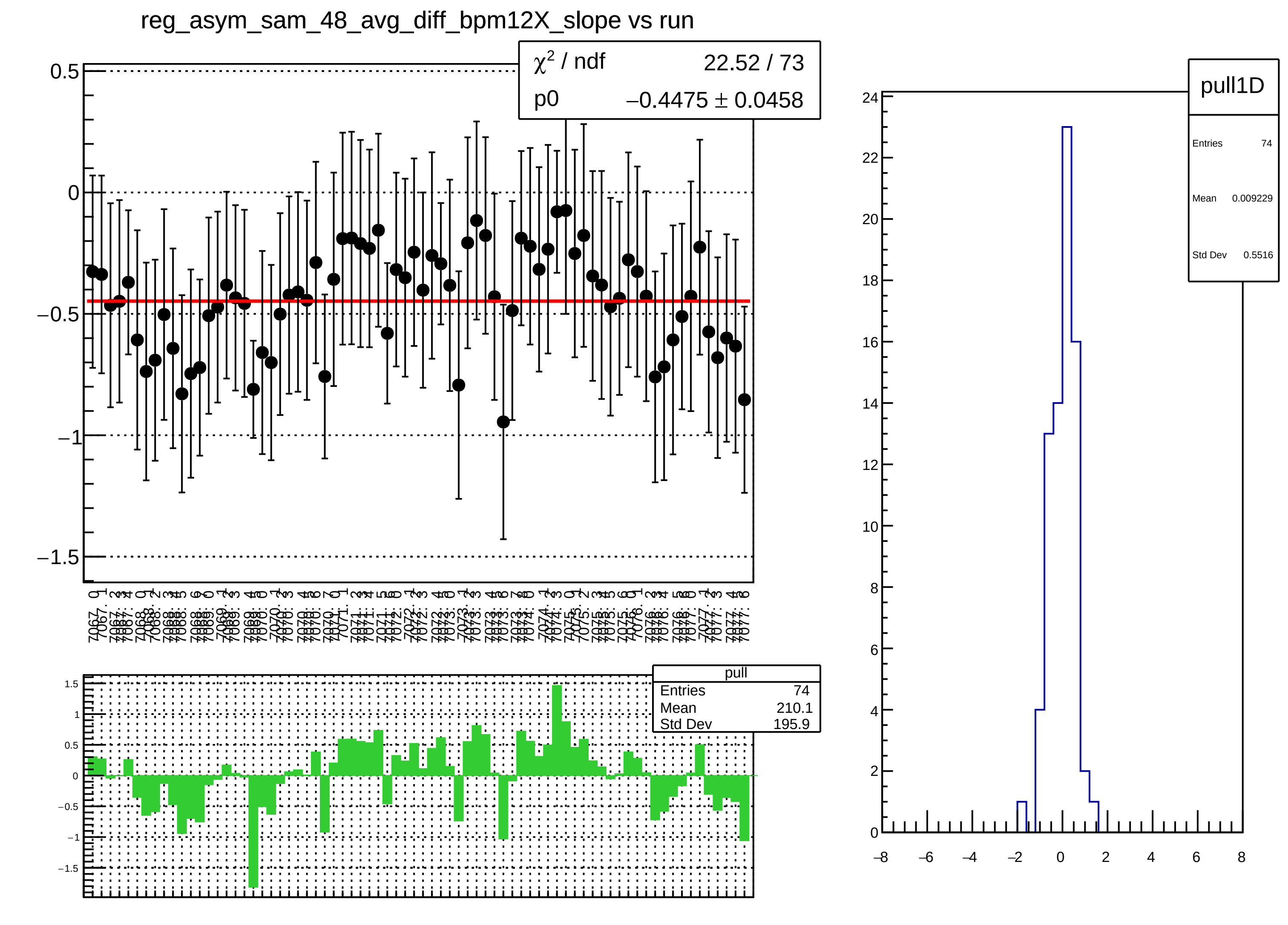

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 286 / 73
p0 4.18 ± 0.9667
pull
Entries 74
Mean −54.57
Std Dev 101.2
pull1D
Entries 74
Mean −0.07666
Std Dev 1.964



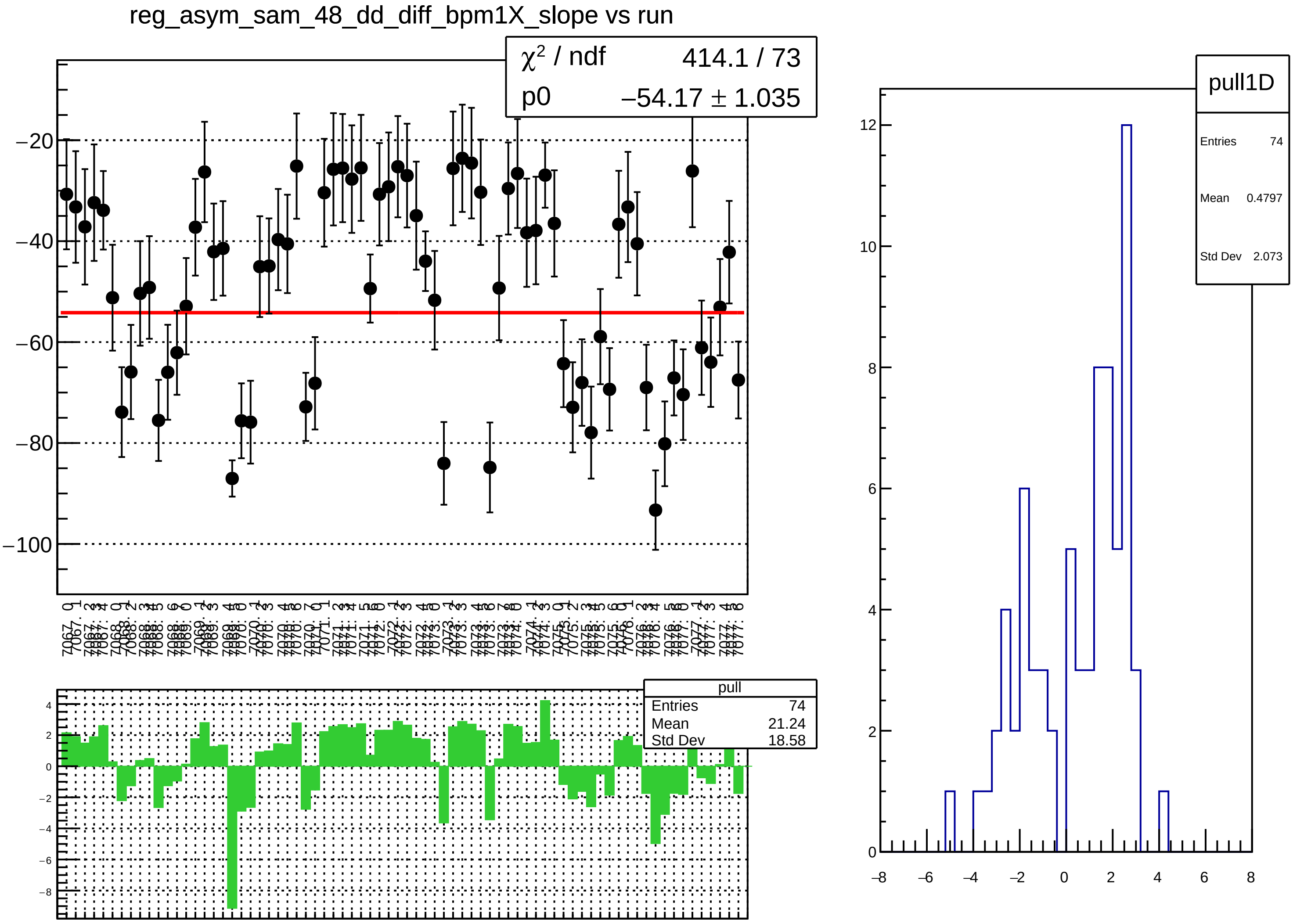
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 585.5 / 73
p0 −48.86 ± 1.166
pull
Entries 74
Mean 24.87
Std Dev 16.4
pull1D
Entries 74
Mean −0.5853
Std Dev 2.437

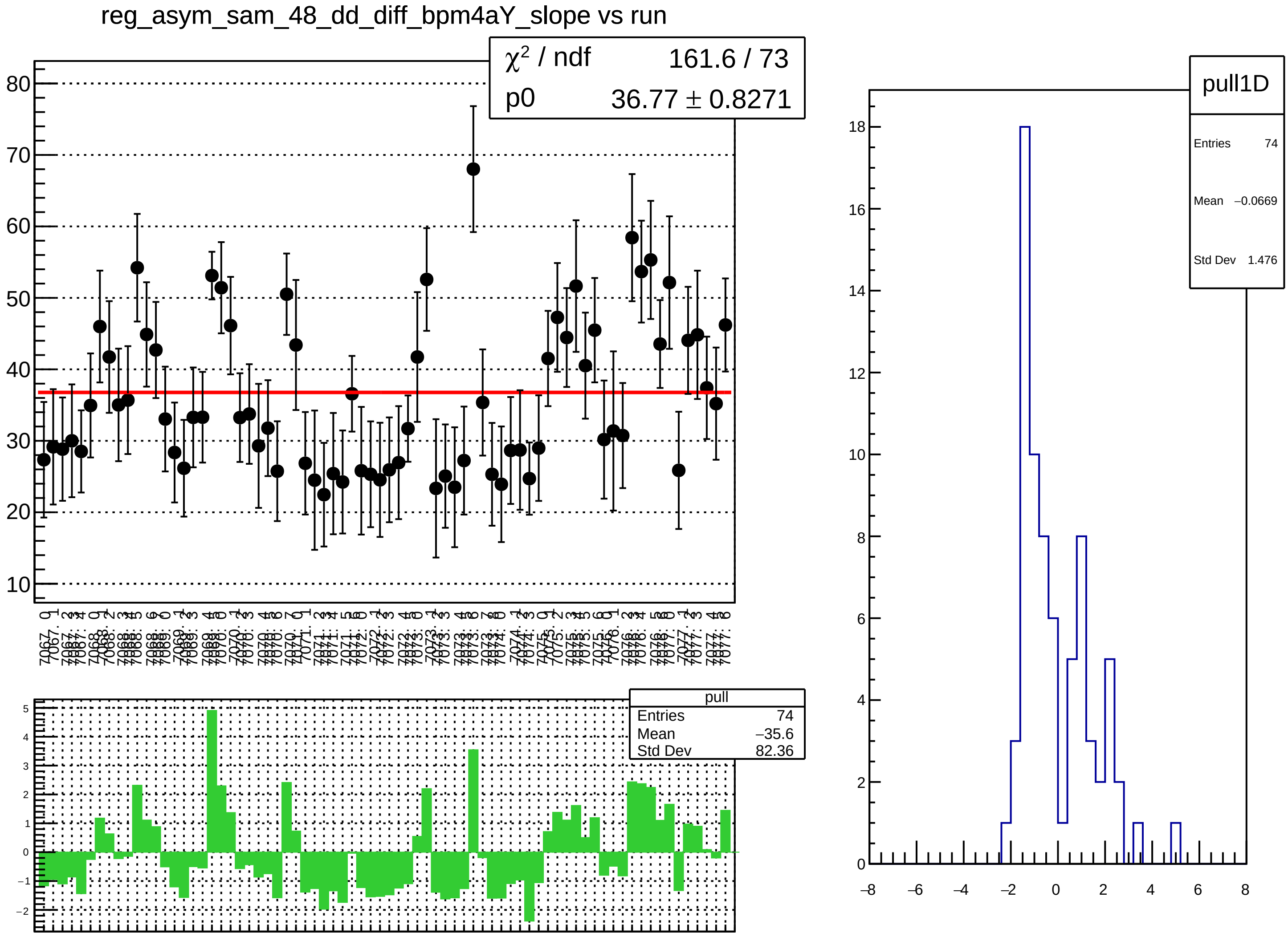


reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ2 / ndf 233.6 / 73
p0 111.2 ± 1.007
pull
Entries 74
Mean −12.14
Std Dev 65.13
pull1D
Entries 74
Mean 0.09315
Std Dev 1.774

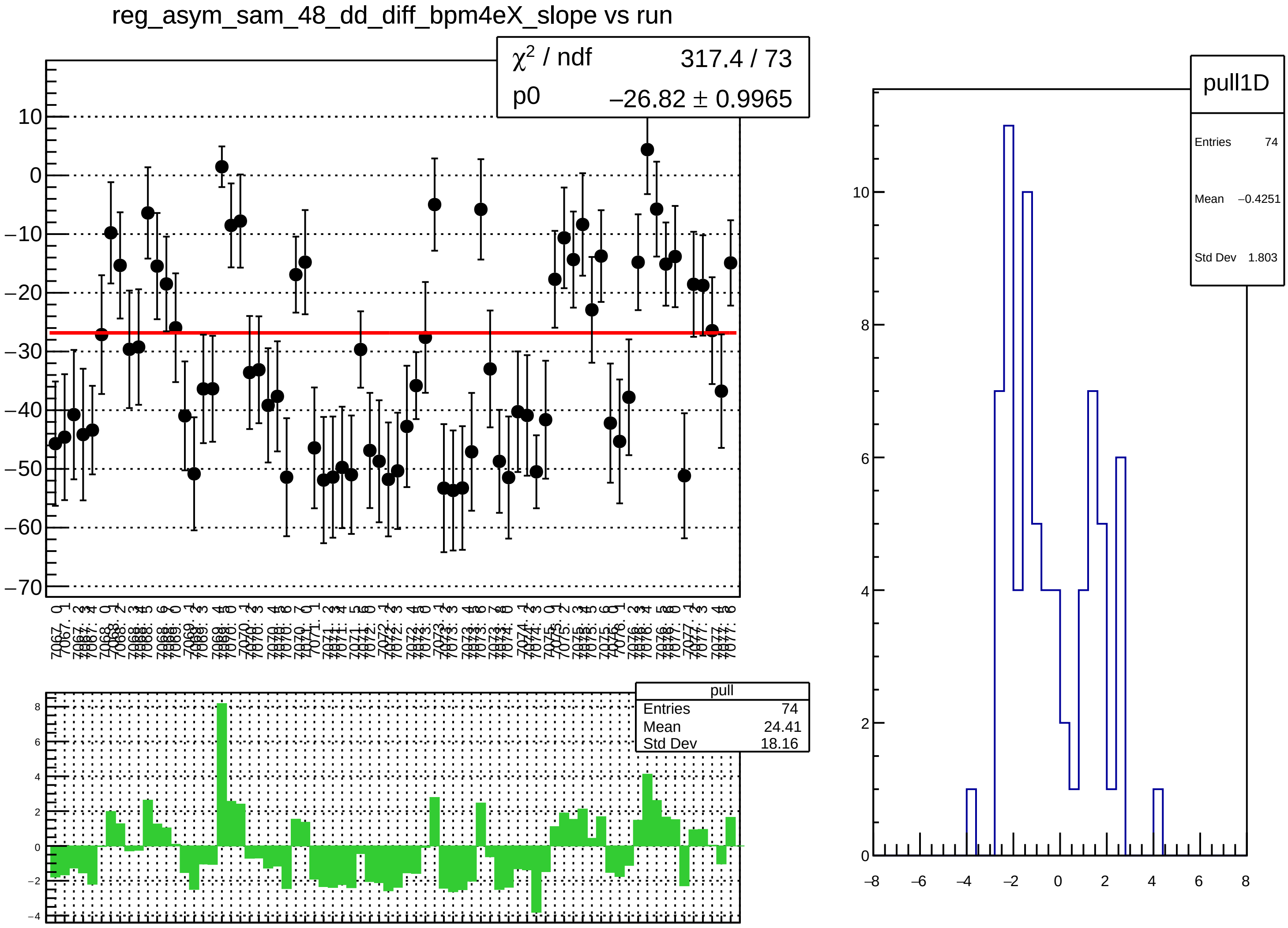


reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ2 / ndf 22.52 / 73
p0 −0.4475 ± 0.0458
pull
Entries 74
Mean 210.1
Std Dev 195.9
pull1D
Entries 74
Mean 0.009229
Std Dev 0.5516

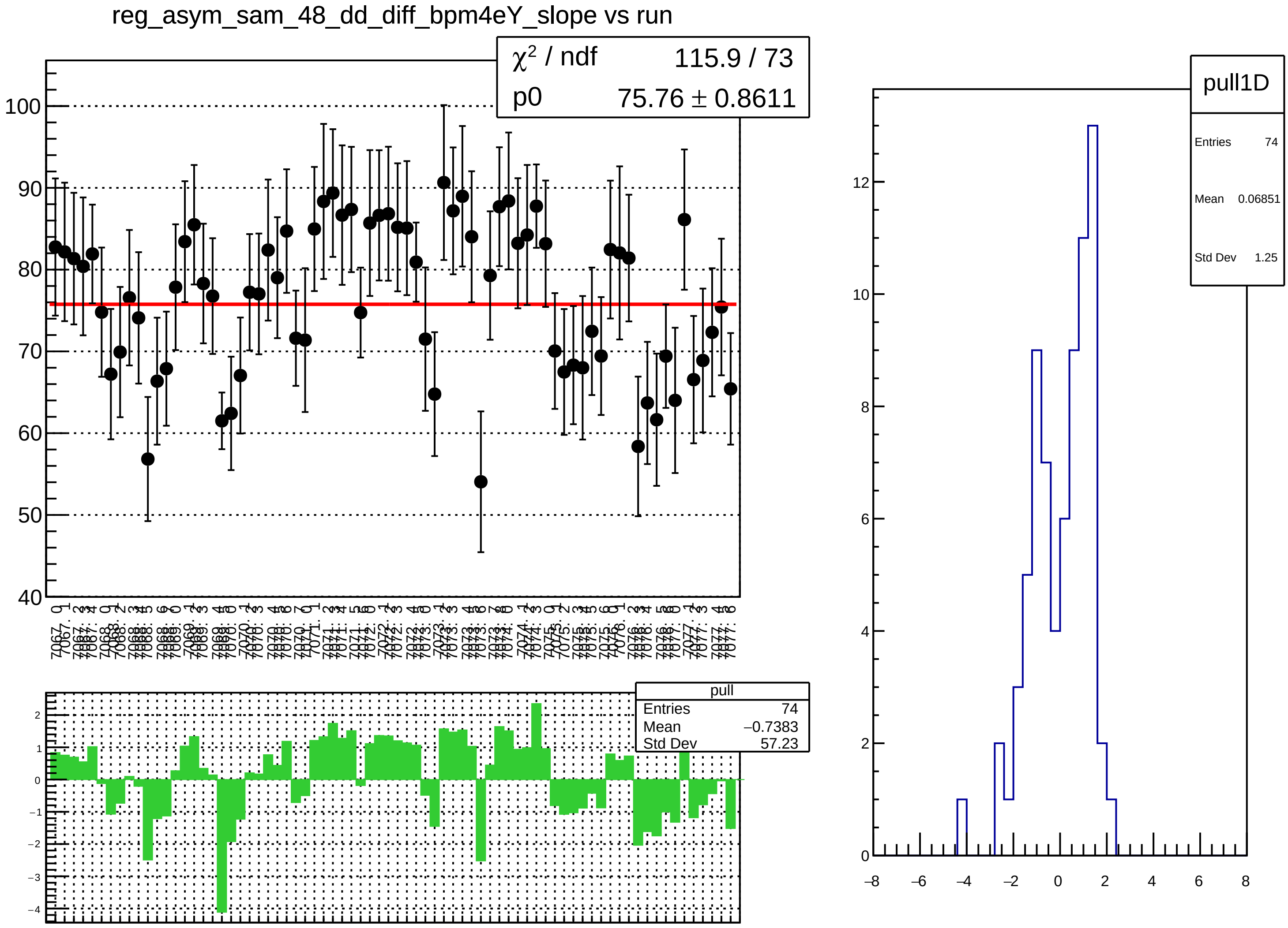

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 414.1 / 73
p0 −54.17 ± 1.035
−20
−40
−60
−80
−100
pull
Entries 74
Mean 21.24
Std Dev 18.58
4
2
0
−2
−4
−6
−8
pull1D
Entries 74
Mean 0.4797
Std Dev 2.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



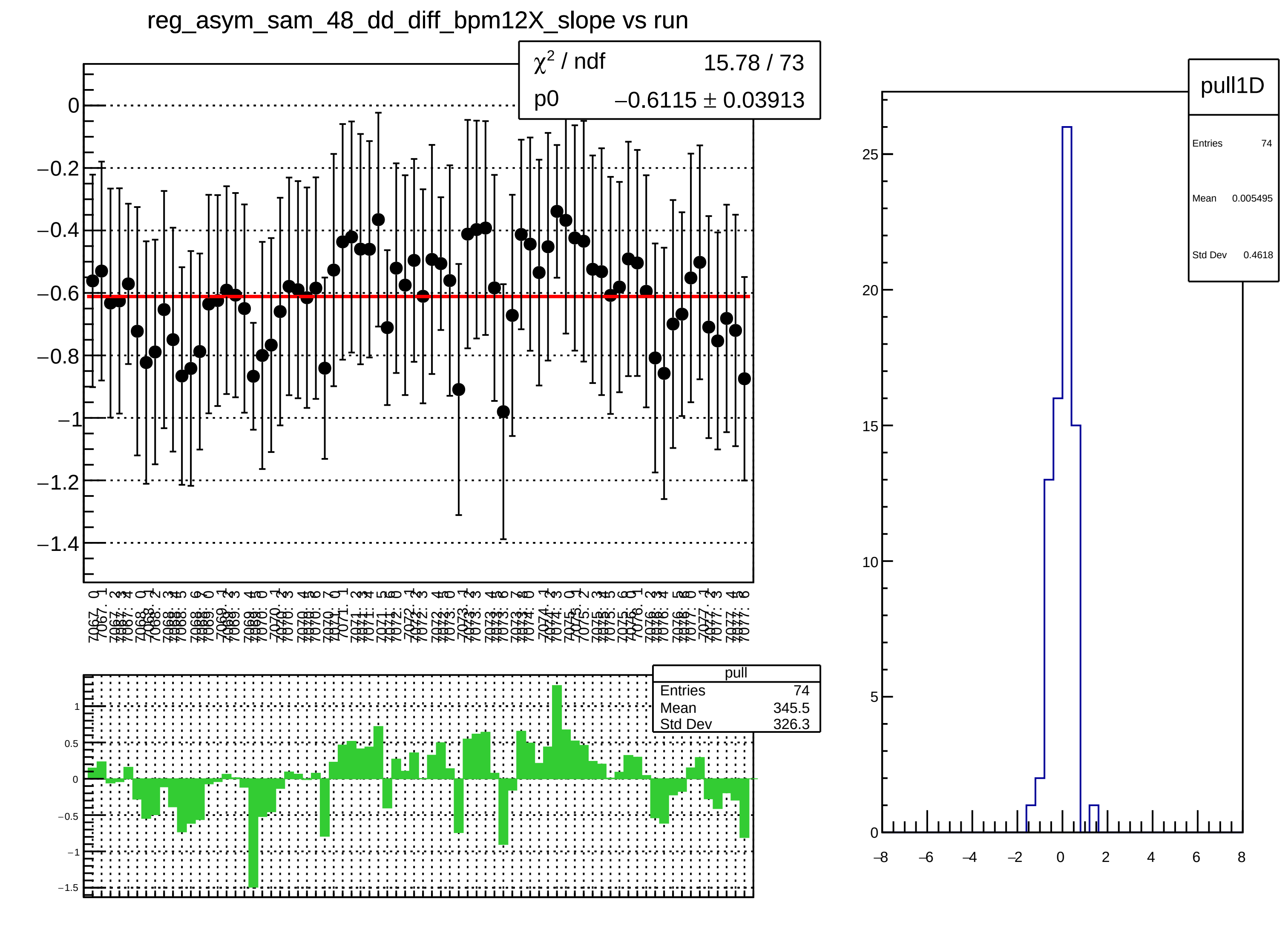
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 161.6 / 73
p0 36.77 ± 0.8271
pull
Entries 74
Mean −35.6
Std Dev 82.36
pull1D
Entries 74
Mean −0.0669
Std Dev 1.476



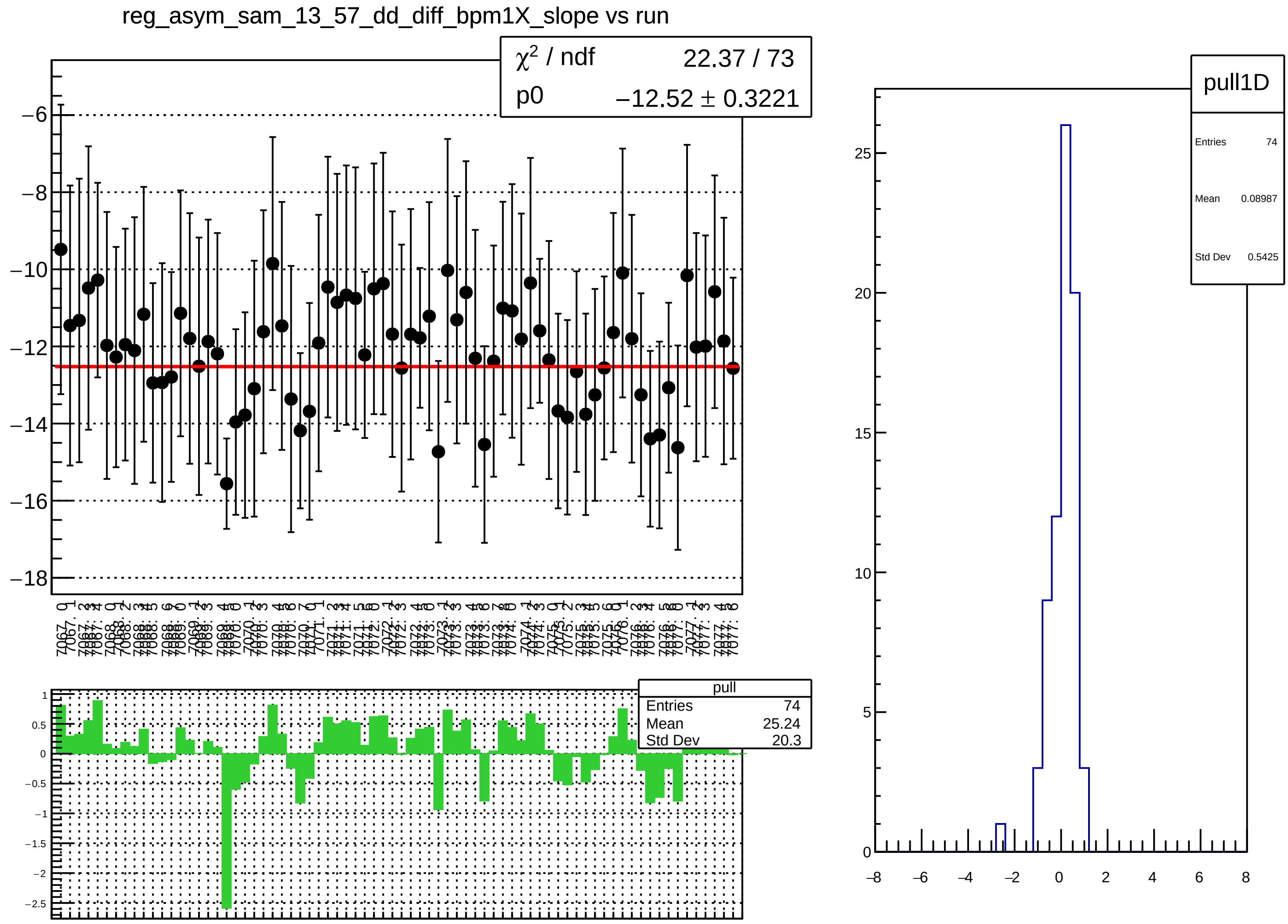
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 317.4 / 73
p0 −26.82 ± 0.9965
pull
Entries 74
Mean 24.41
Std Dev 18.16
pull1D
Entries 74
Mean −0.4251
Std Dev 1.803



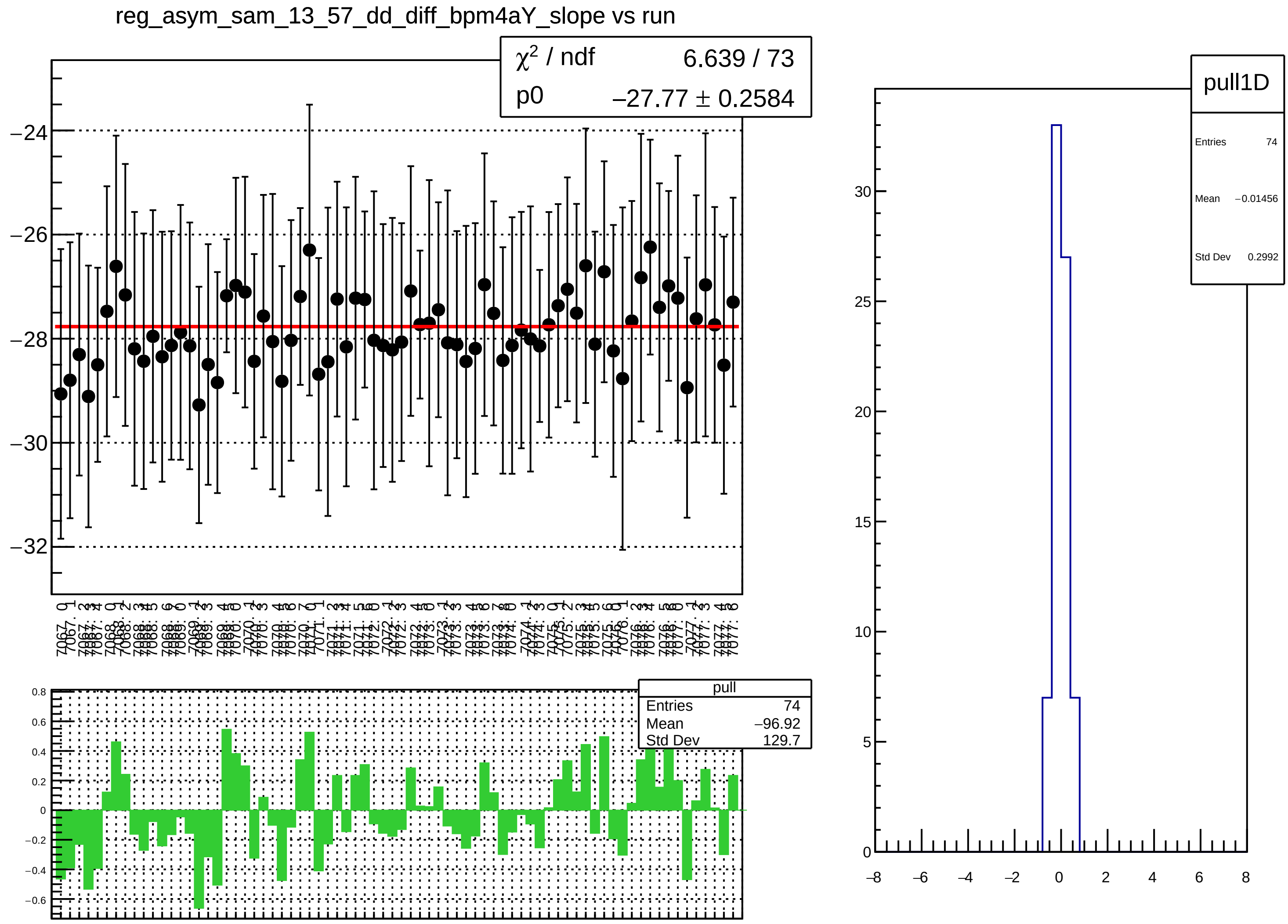
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 115.9 / 73
p0 75.76 ± 0.8611
pull
Entries 74
Mean −0.7383
Std Dev 57.23
pull1D
Entries 74
Mean 0.06851
Std Dev 1.25



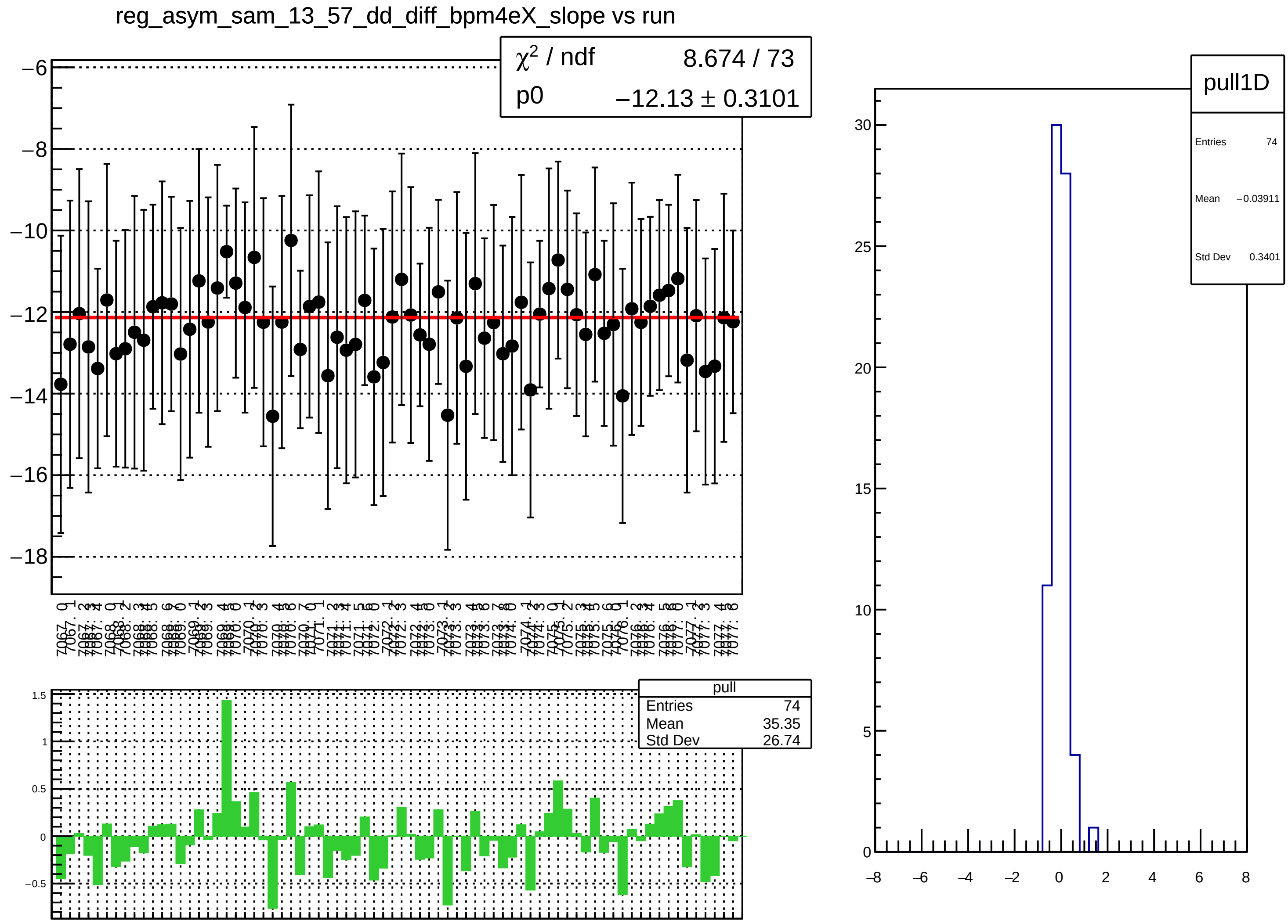
reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ2 / ndf 15.78 / 73
p0 −0.6115 ± 0.03913
pull
Entries 74
Mean 345.5
Std Dev 326.3
pull1D
Entries 74
Mean 0.005495
Std Dev 0.4618



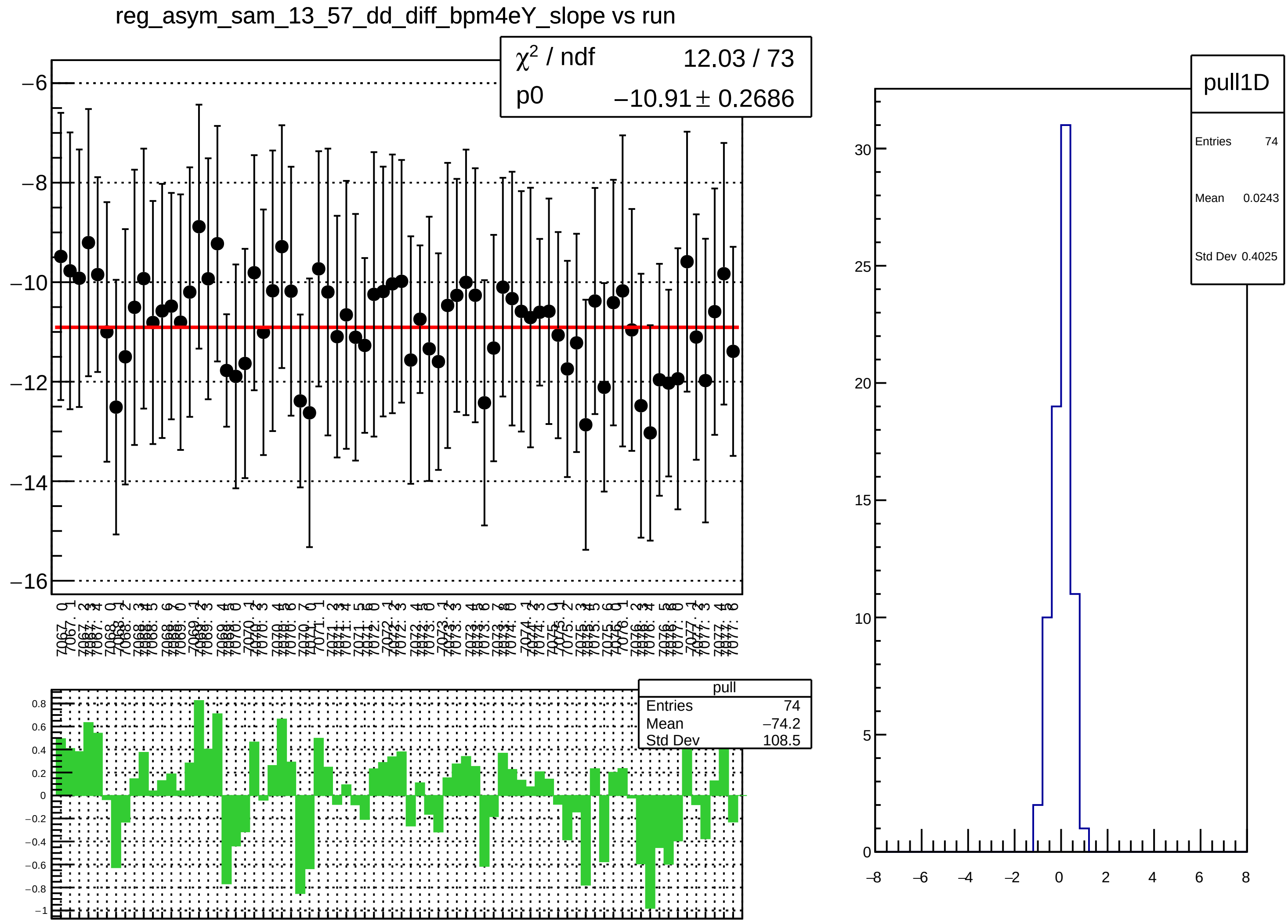
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 22.37 / 73
p0 −12.52 ± 0.3221
pull
Entries 74
Mean 25.24
Std Dev 20.3
pull1D
Entries 74
Mean 0.08987
Std Dev 0.5425



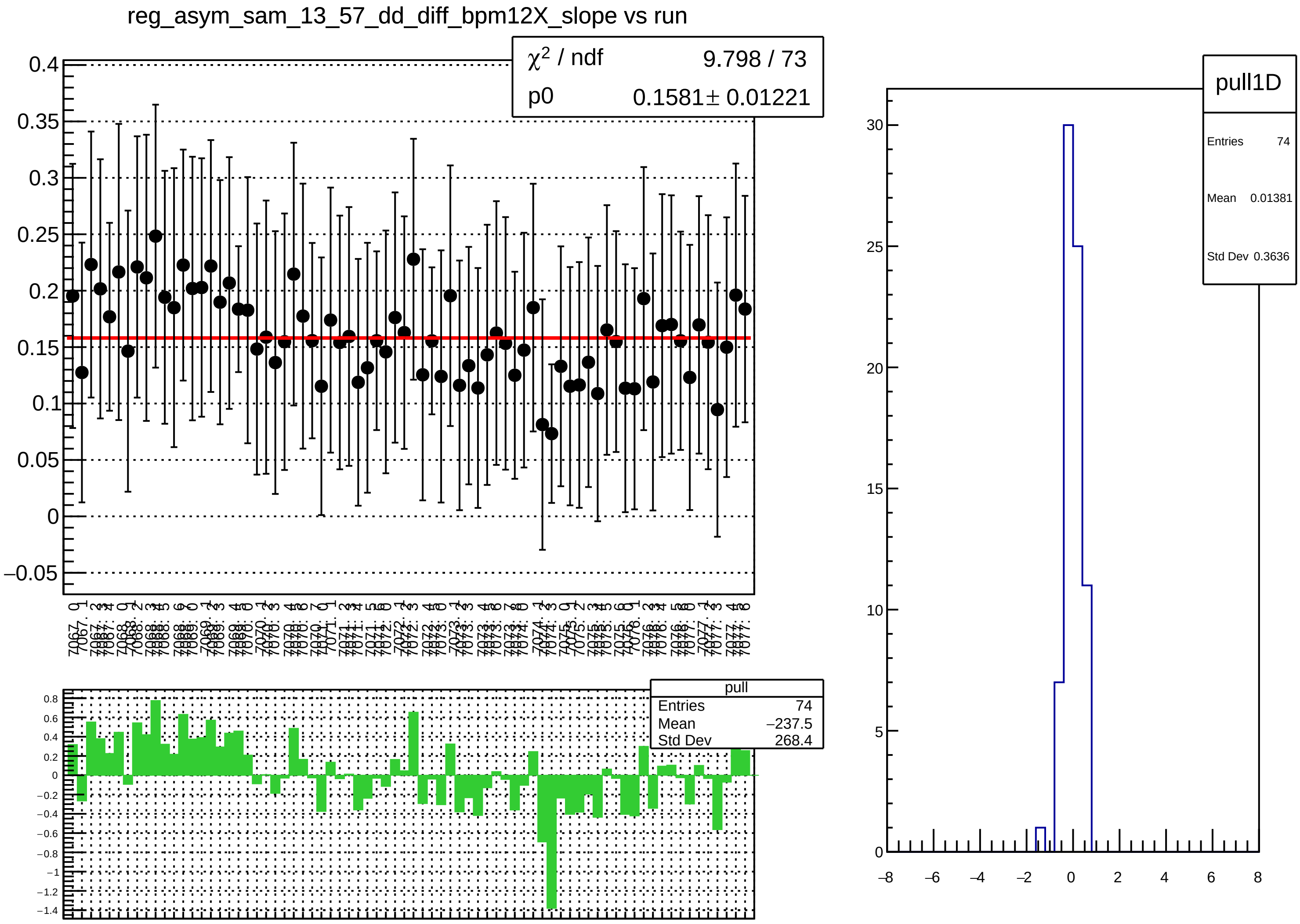
reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ2 / ndf 6.639 / 73
p0 −27.77 ± 0.2584
pull
Entries 74
Mean −96.92
Std Dev 129.7
pull1D
Entries 74
Mean −0.01456
Std Dev 0.2992



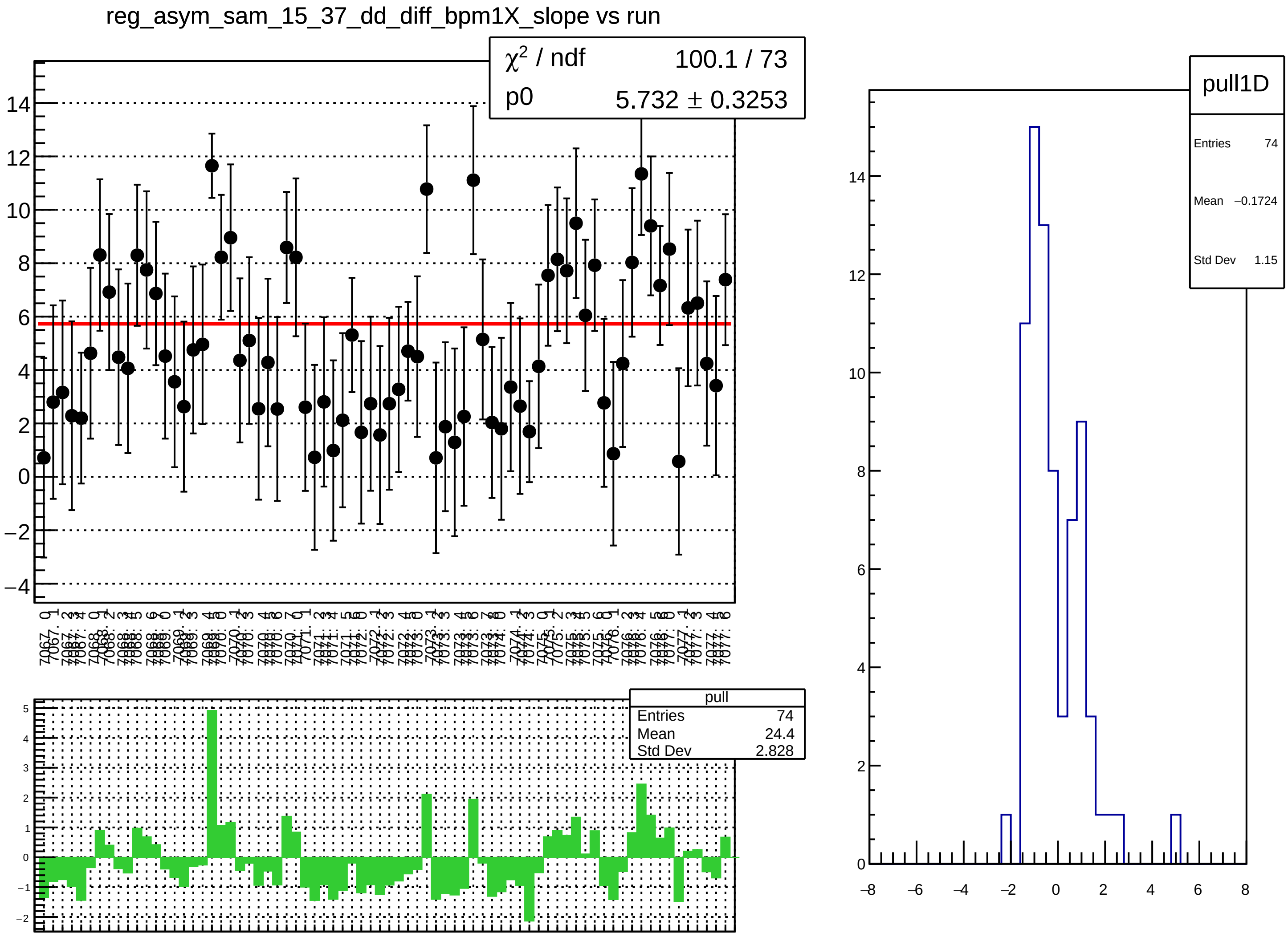
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ2 / ndf 8.674 / 73
p0 −12.13 ± 0.3101
pull
Entries 74
Mean 35.35
Std Dev 26.74
pull1D
Entries 74
Mean −0.03911
Std Dev 0.3401



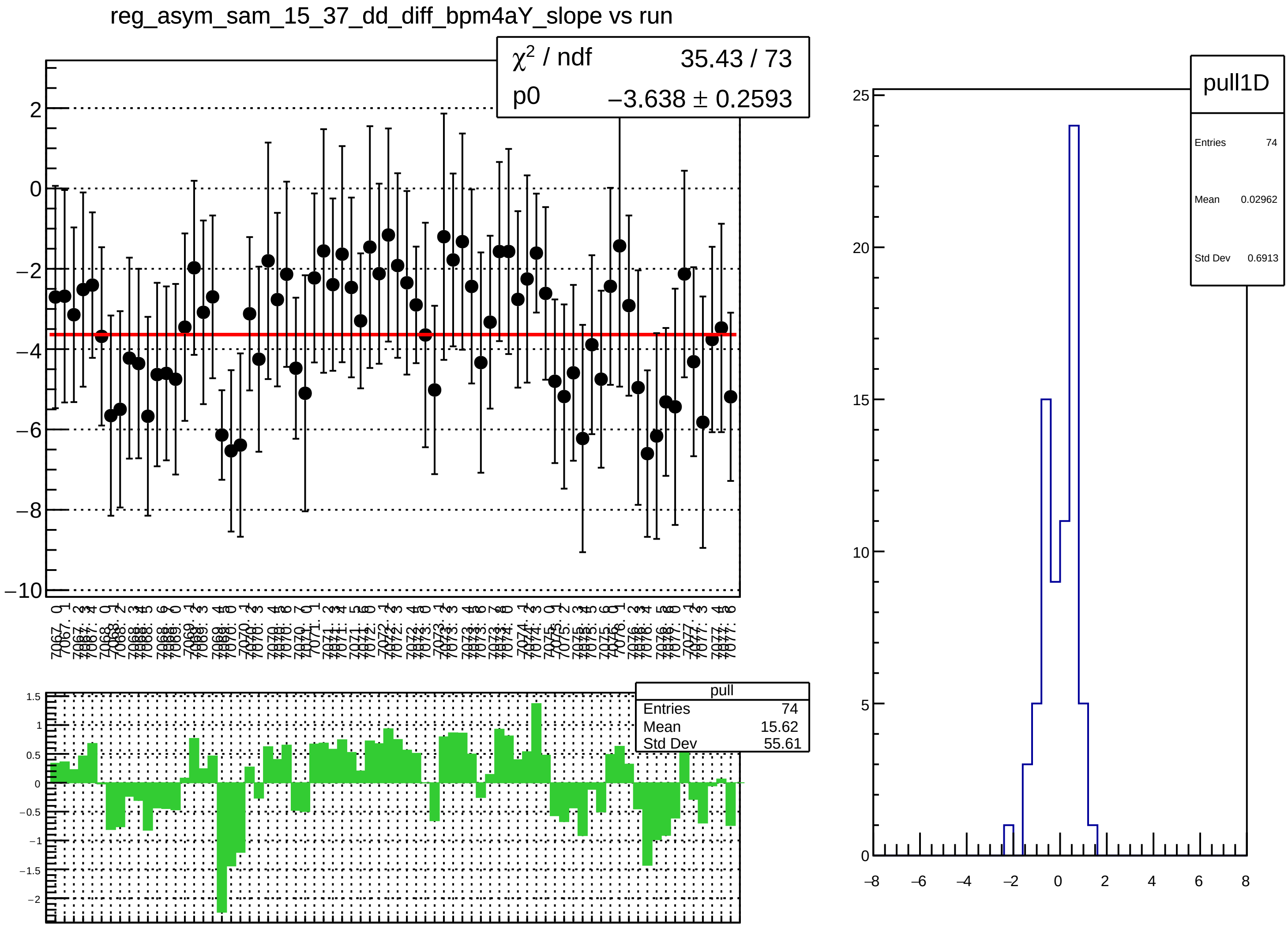
reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 12.03 / 73
p0 −10.91 ± 0.2686
pull
Entries 74
Mean −74.2
Std Dev 108.5
pull1D
Entries 74
Mean 0.0243
Std Dev 0.4025



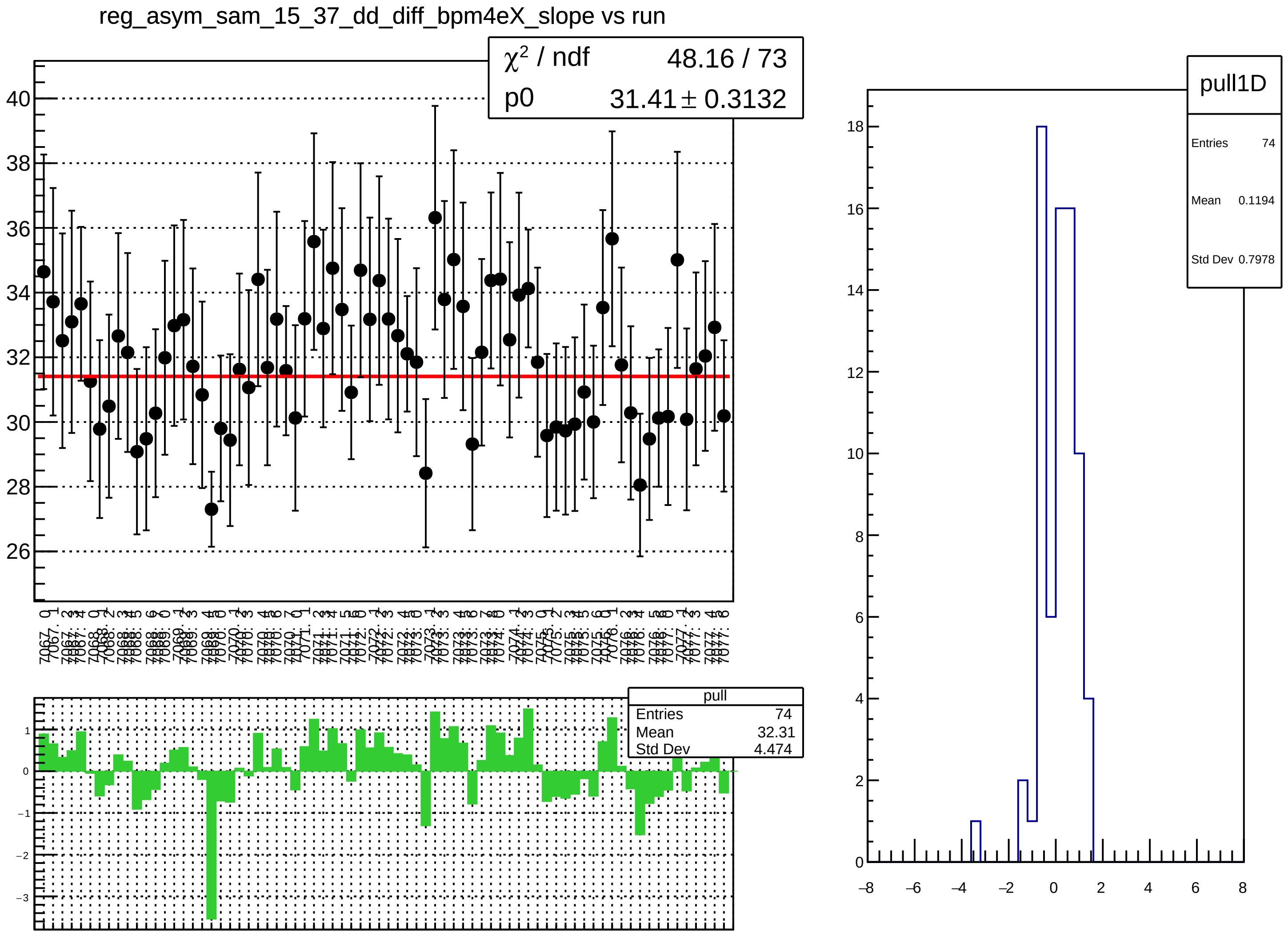
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ2 / ndf 9.798 / 73
p0 0.1581± 0.01221
pull
Entries 74
Mean −237.5
Std Dev 268.4
pull1D
Entries 74
Mean 0.01381
Std Dev 0.3636



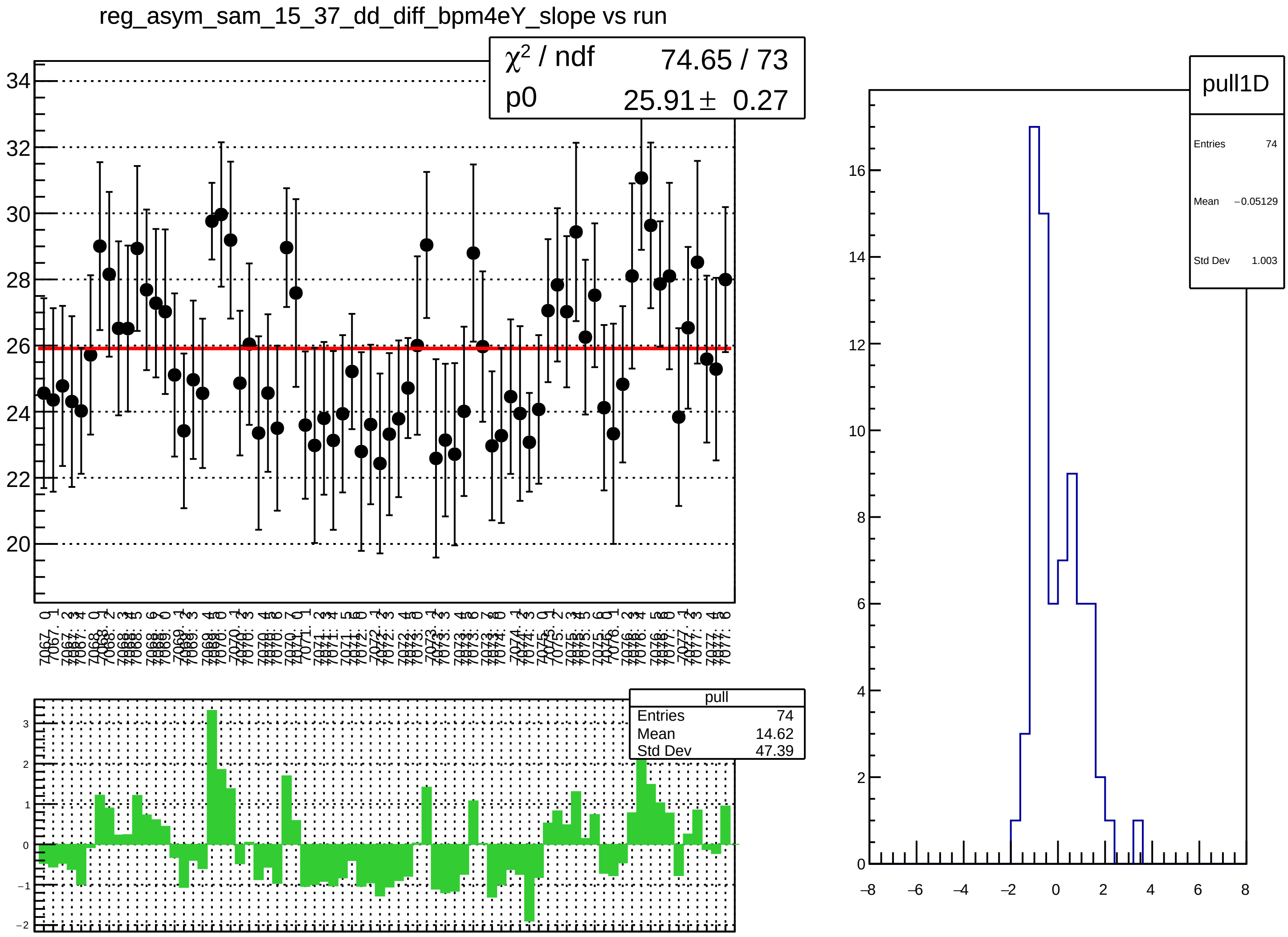
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 100.1 / 73
p0 5.732 ± 0.3253
pull
Entries 74
Mean 24.4
Std Dev 2.828
pull1D
Entries 74
Mean −0.1724
Std Dev 1.15



reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ2 / ndf 35.43 / 73
p0 −3.638 ± 0.2593
pull
Entries 74
Mean 15.62
Std Dev 55.61
pull1D
Entries 74
Mean 0.02962
Std Dev 0.6913

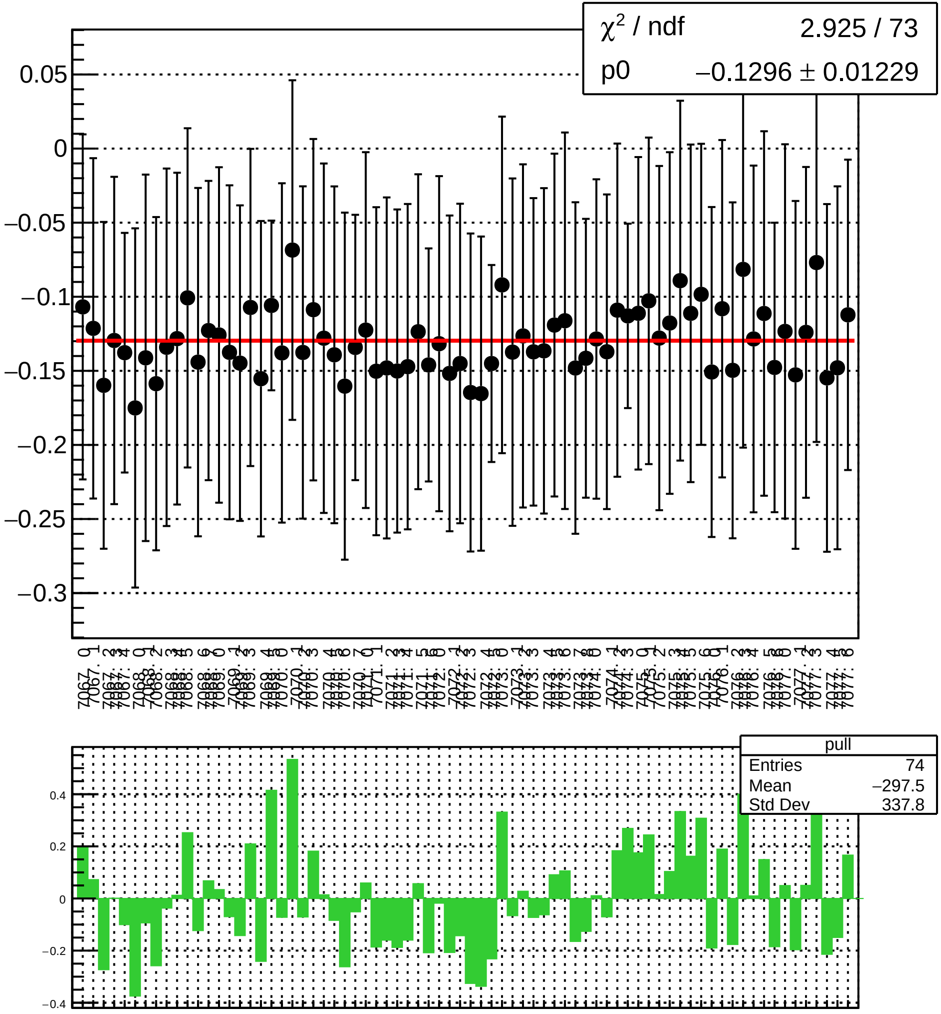


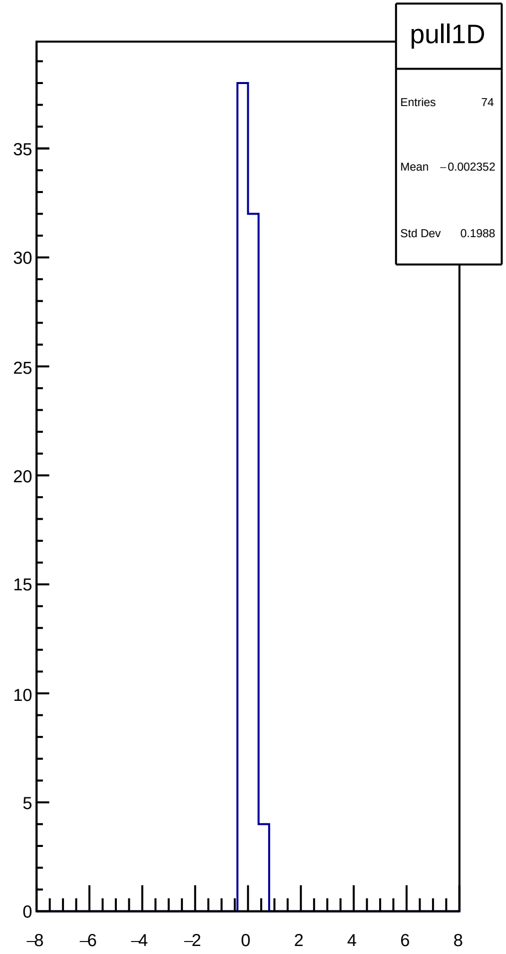
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ2 / ndf 48.16 / 73
p0 31.41 ± 0.3132
pull
Entries 74
Mean 32.31
Std Dev 4.474
pull1D
Entries 74
Mean 0.1194
Std Dev 0.7978

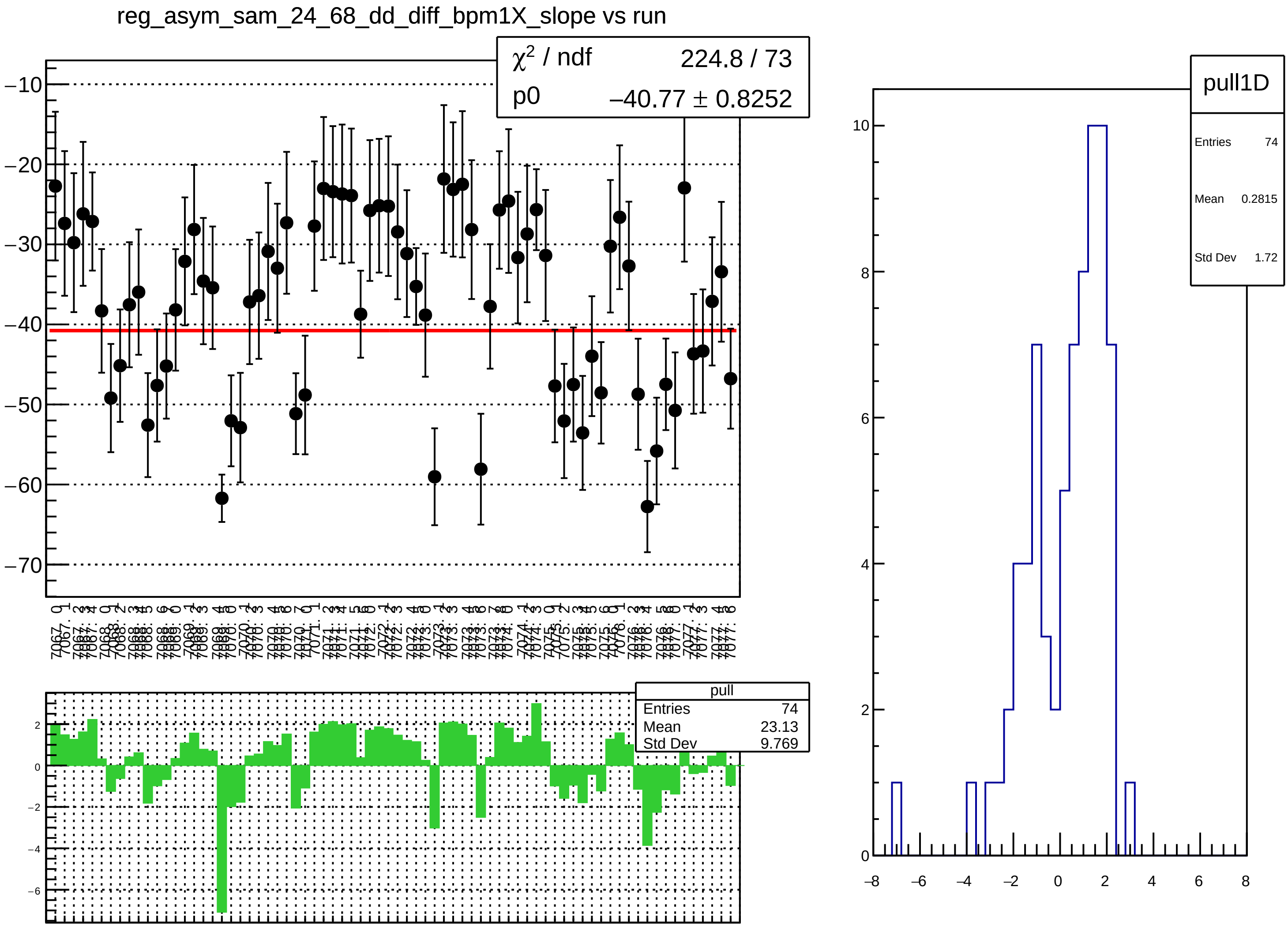


reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 74.65 / 73
p0 25.91 ± 0.27
pull
Entries 74
Mean 14.62
Std Dev 47.39
pull1D
Entries 74
Mean −0.05129
Std Dev 1.003

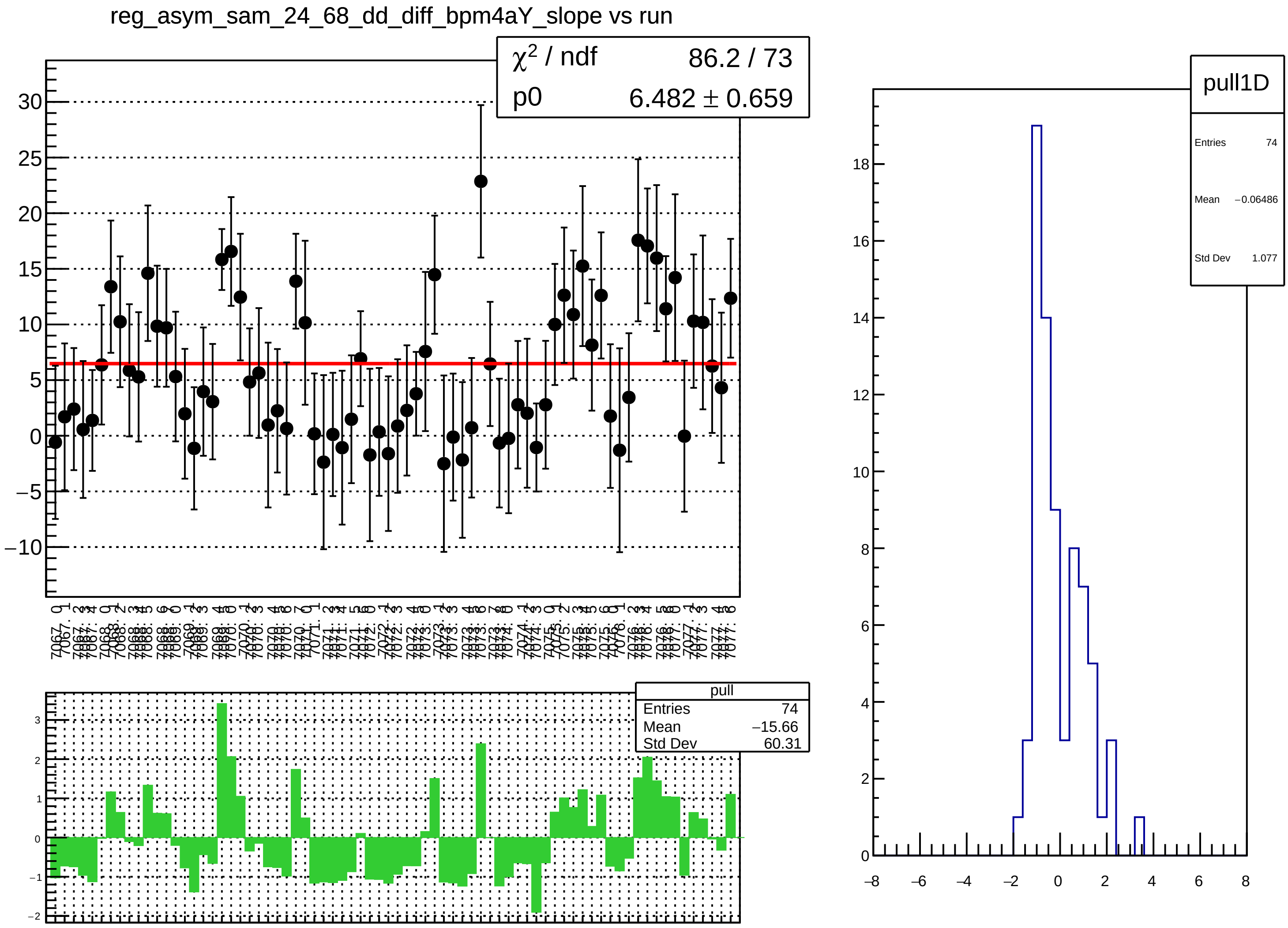
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run



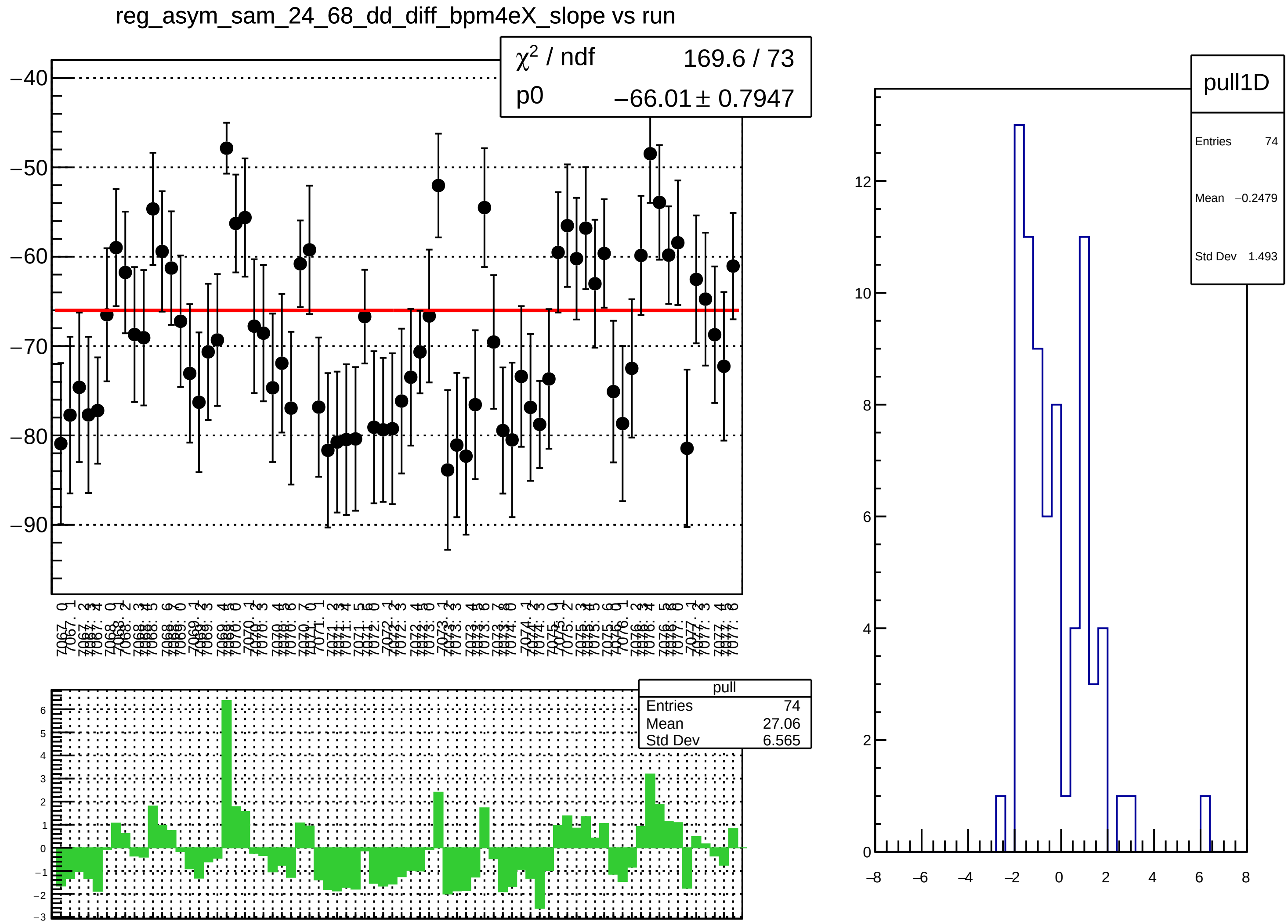




reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 224.8 / 73
p0 −40.77 ± 0.8252
pull
Entries 74
Mean 23.13
Std Dev 9.769
pull1D
Entries 74
Mean 0.2815
Std Dev 1.72

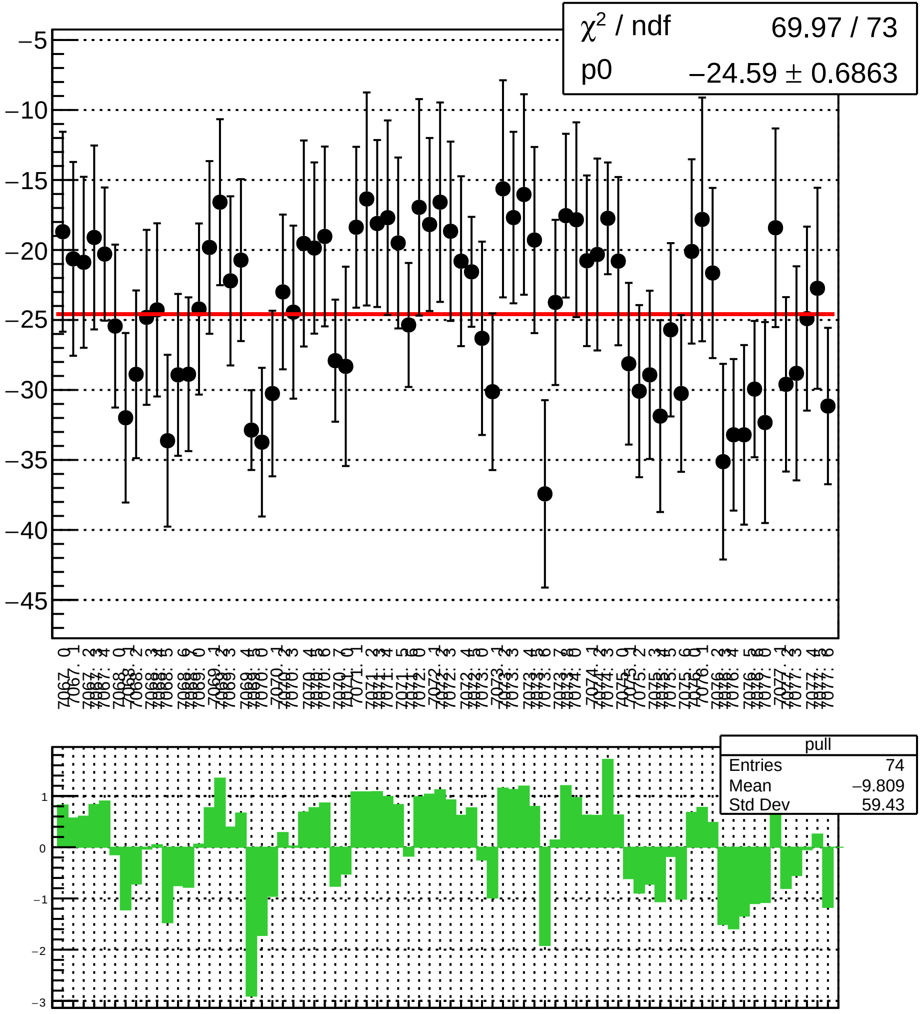


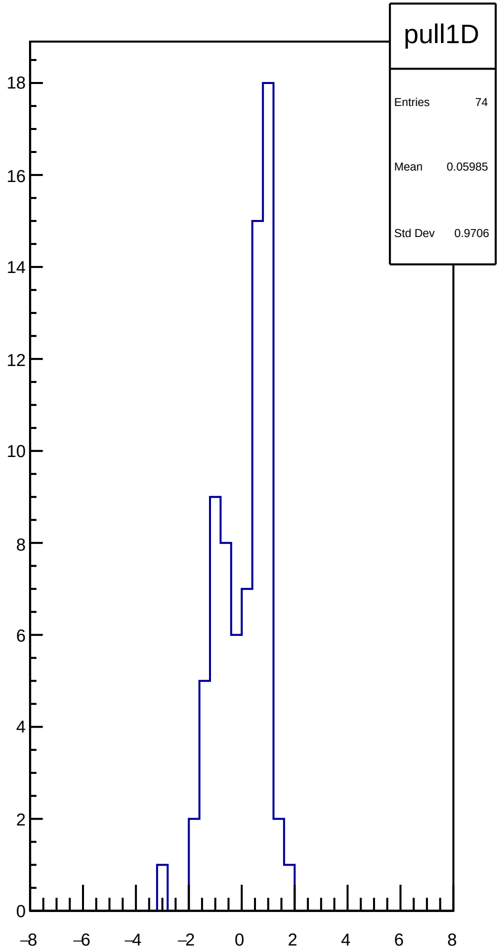
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 86.2 / 73
p0 6.482 ± 0.659
pull
Entries 74
Mean −15.66
Std Dev 60.31
pull1D
Entries 74
Mean −0.06486
Std Dev 1.077



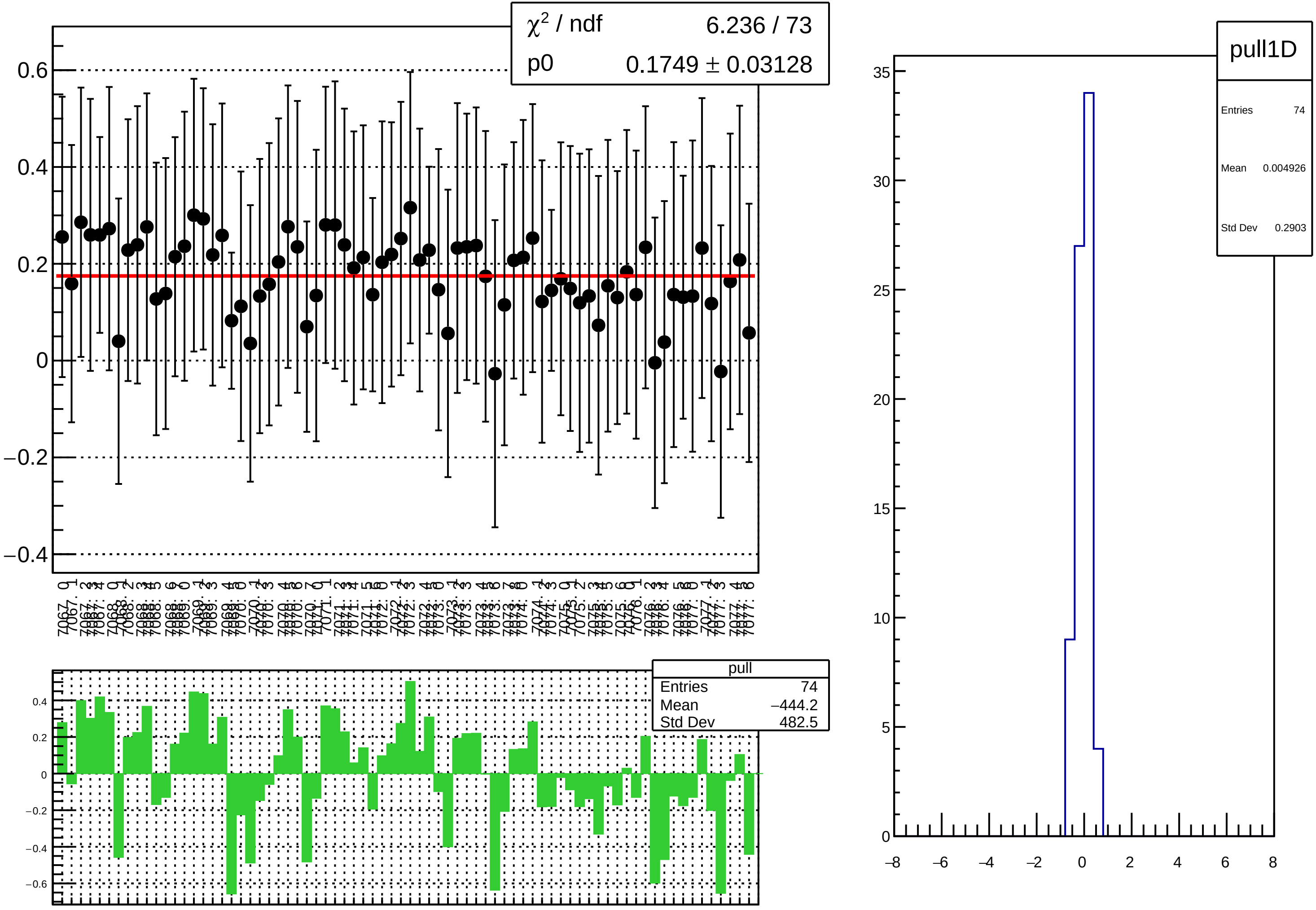
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 169.6 / 73
p0 −66.01 ± 0.7947
pull
Entries 74
Mean 27.06
Std Dev 6.565
pull1D
Entries 74
Mean −0.2479
Std Dev 1.493

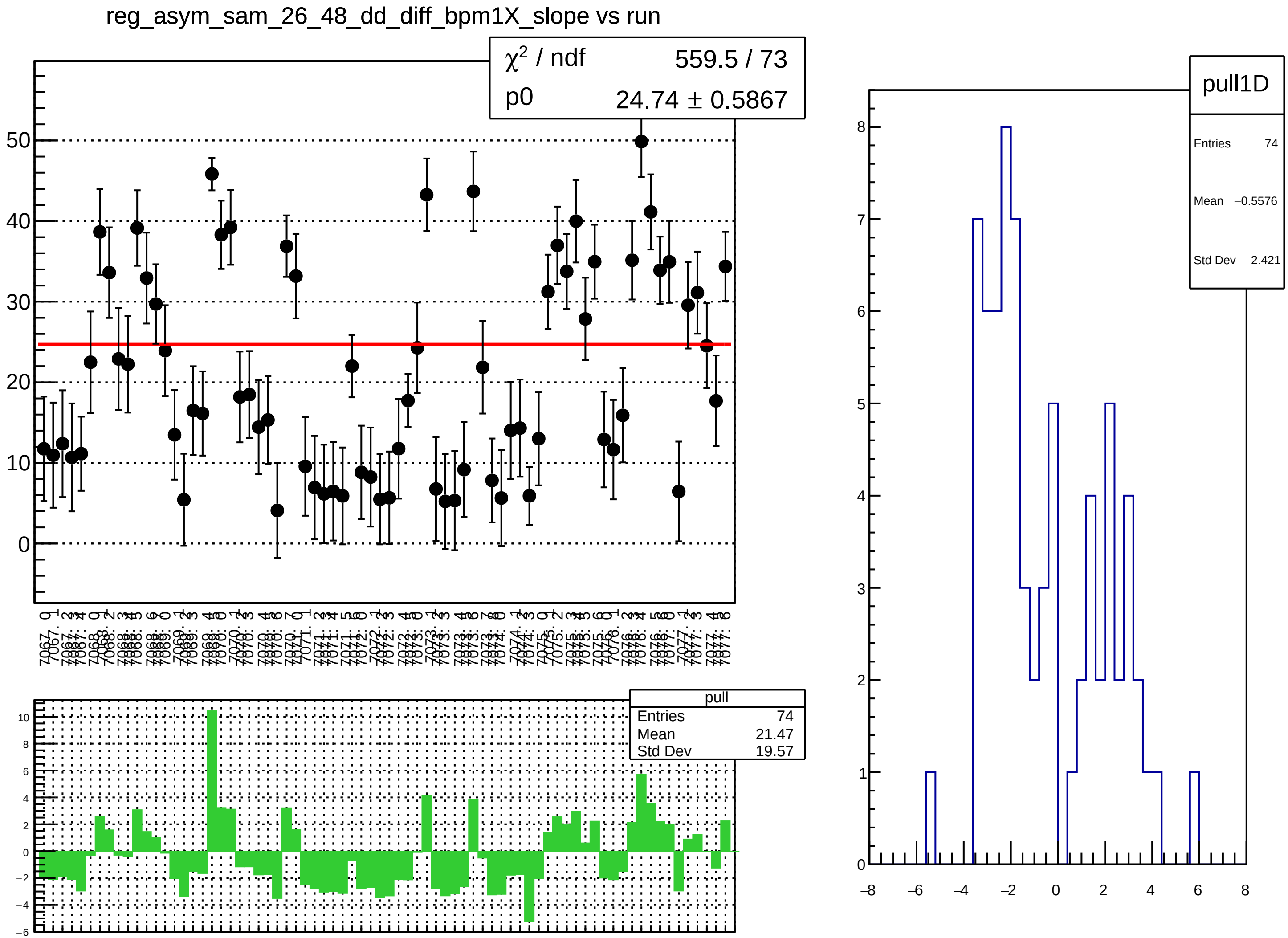
reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run



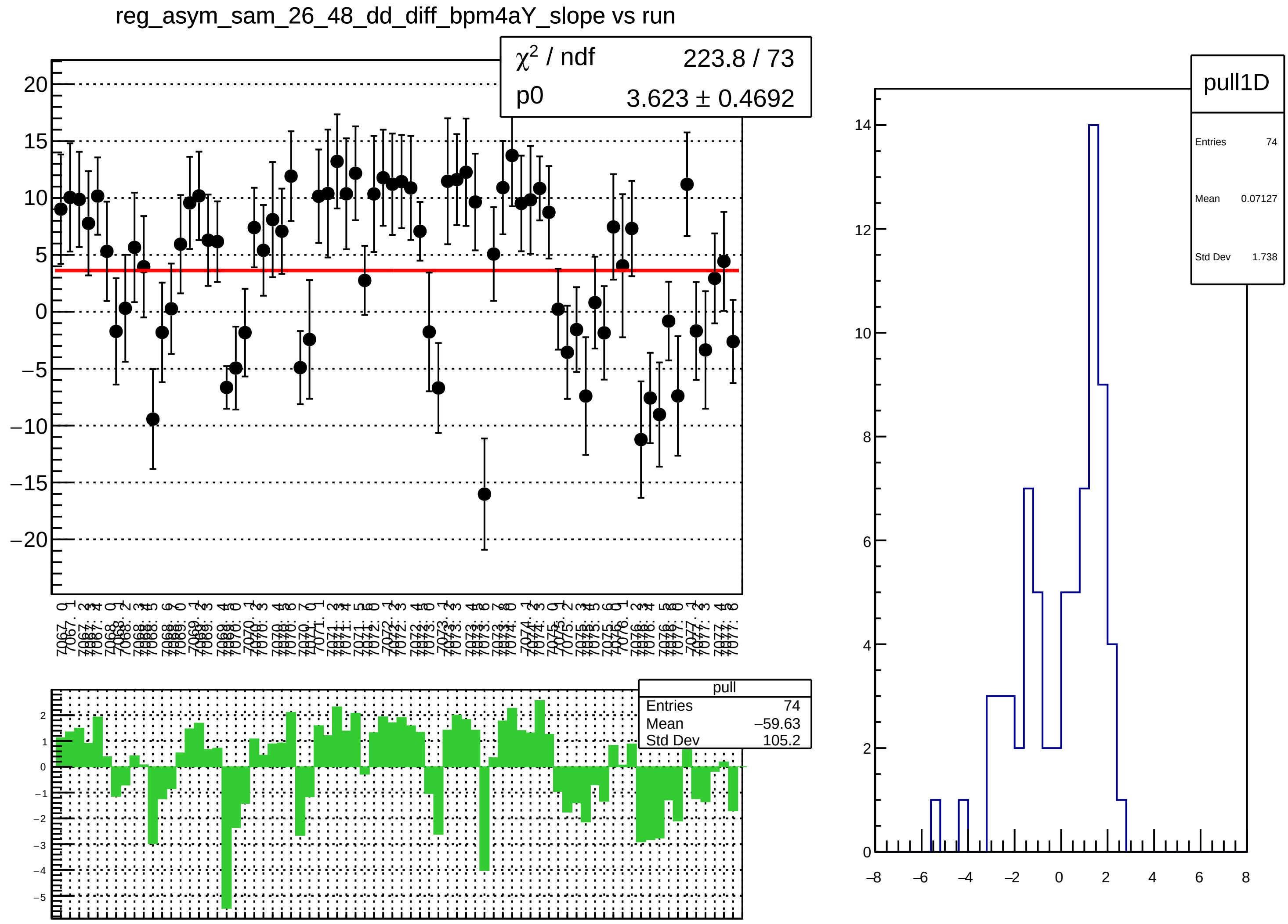


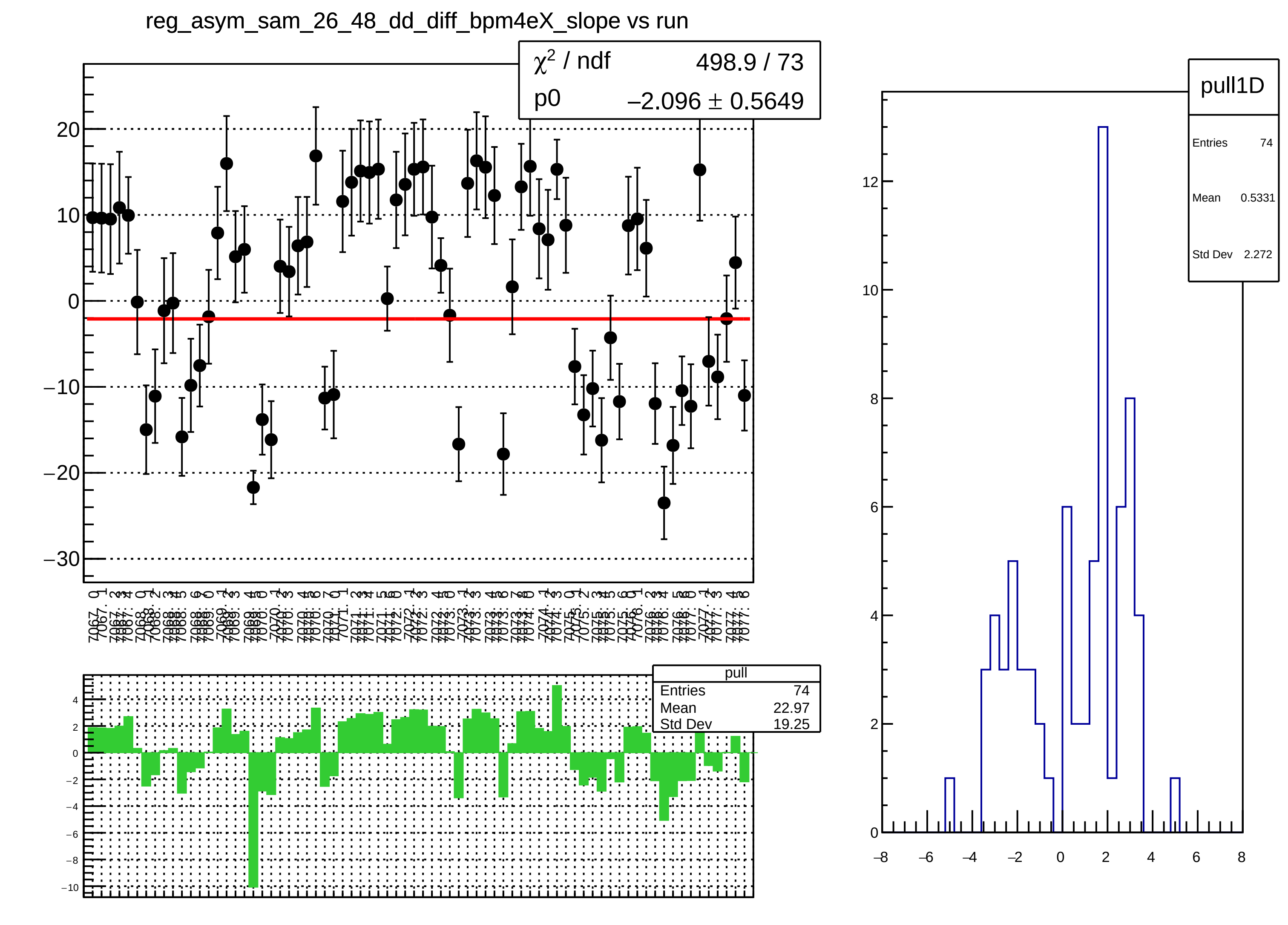
reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run

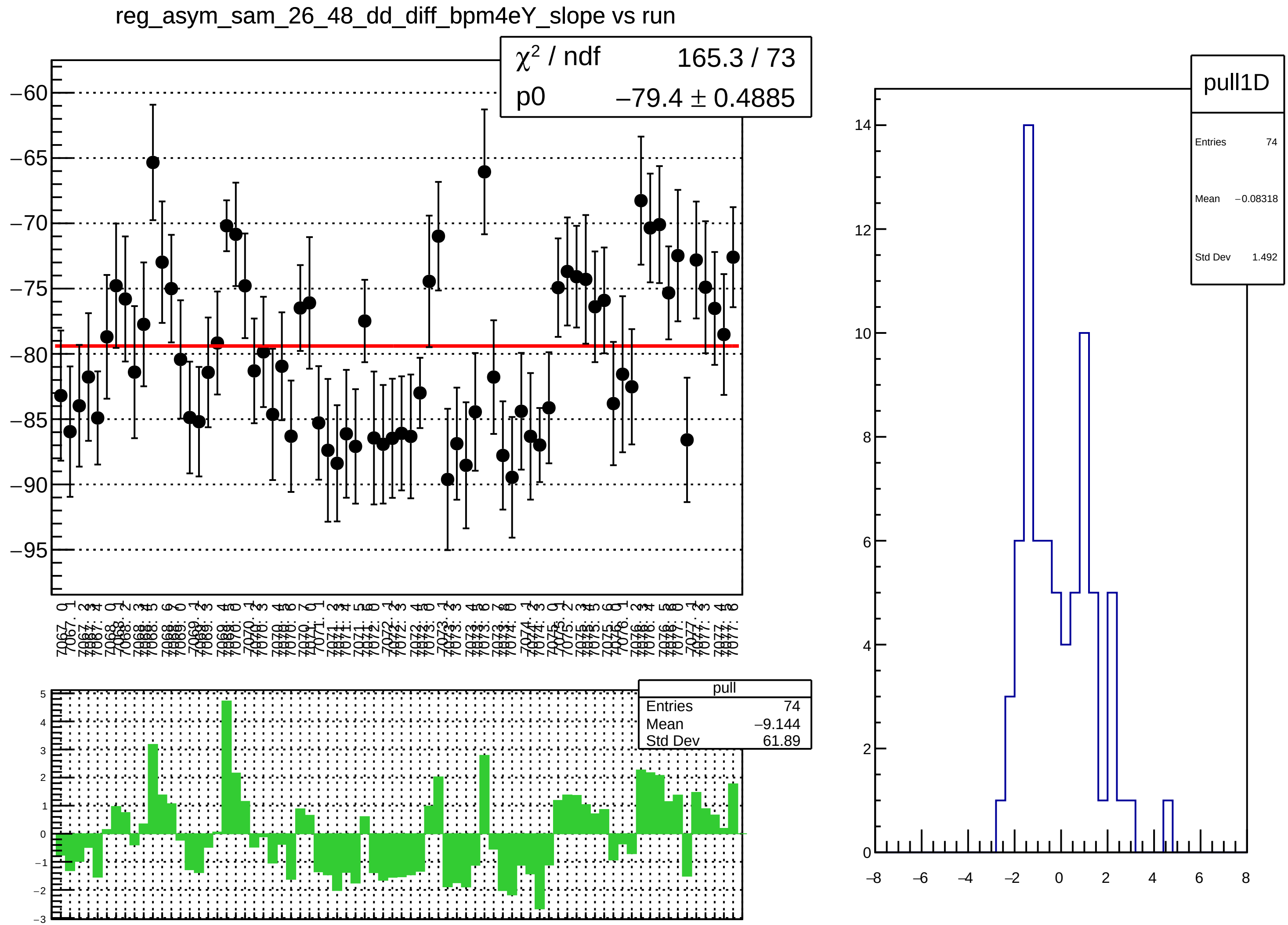




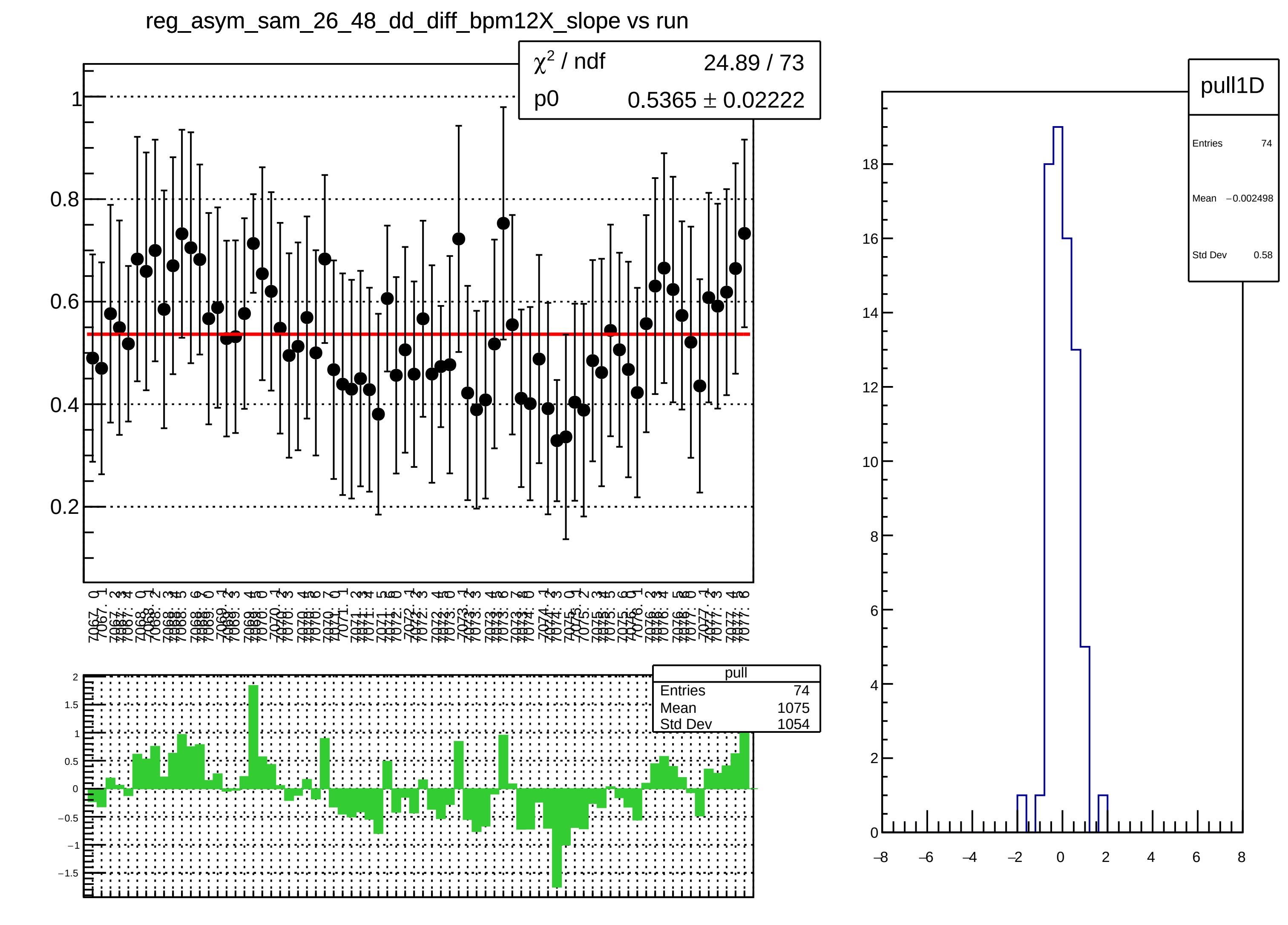
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 559.5 / 73
p0 24.74 ± 0.5867
pull
Entries 74
Mean 21.47
Std Dev 19.57
pull1D
Entries 74
Mean −0.5576
Std Dev 2.421


reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 223.8 / 73
p0 3.623 ± 0.4692
pull
Entries 74
Mean −59.63
Std Dev 105.2
pull1D
Entries 74
Mean 0.07127
Std Dev 1.738

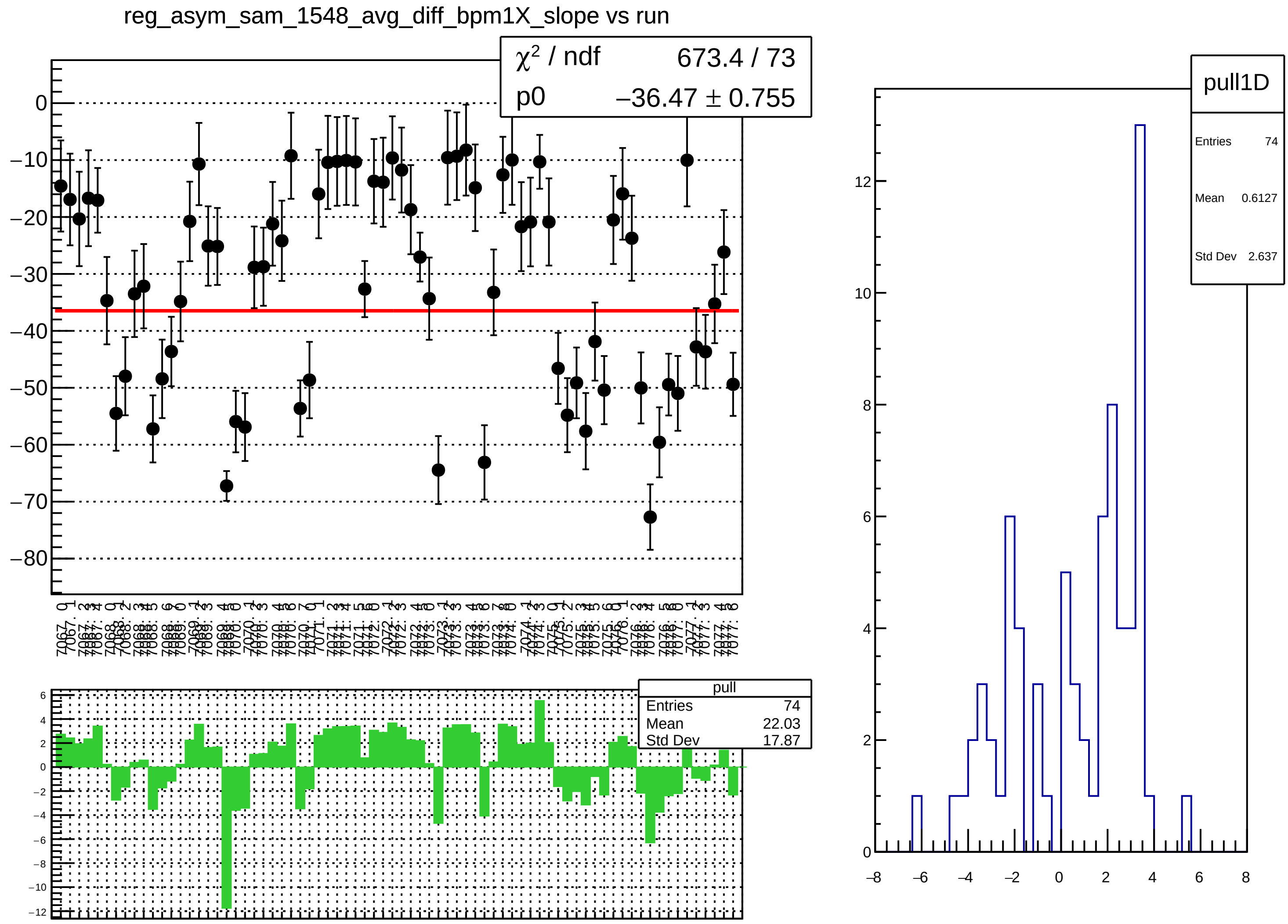

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 498.9 / 73
p0 −2.096 ± 0.5649
pull
Entries 74
Mean 22.97
Std Dev 19.25
pull1D
Entries 74
Mean 0.5331
Std Dev 2.272



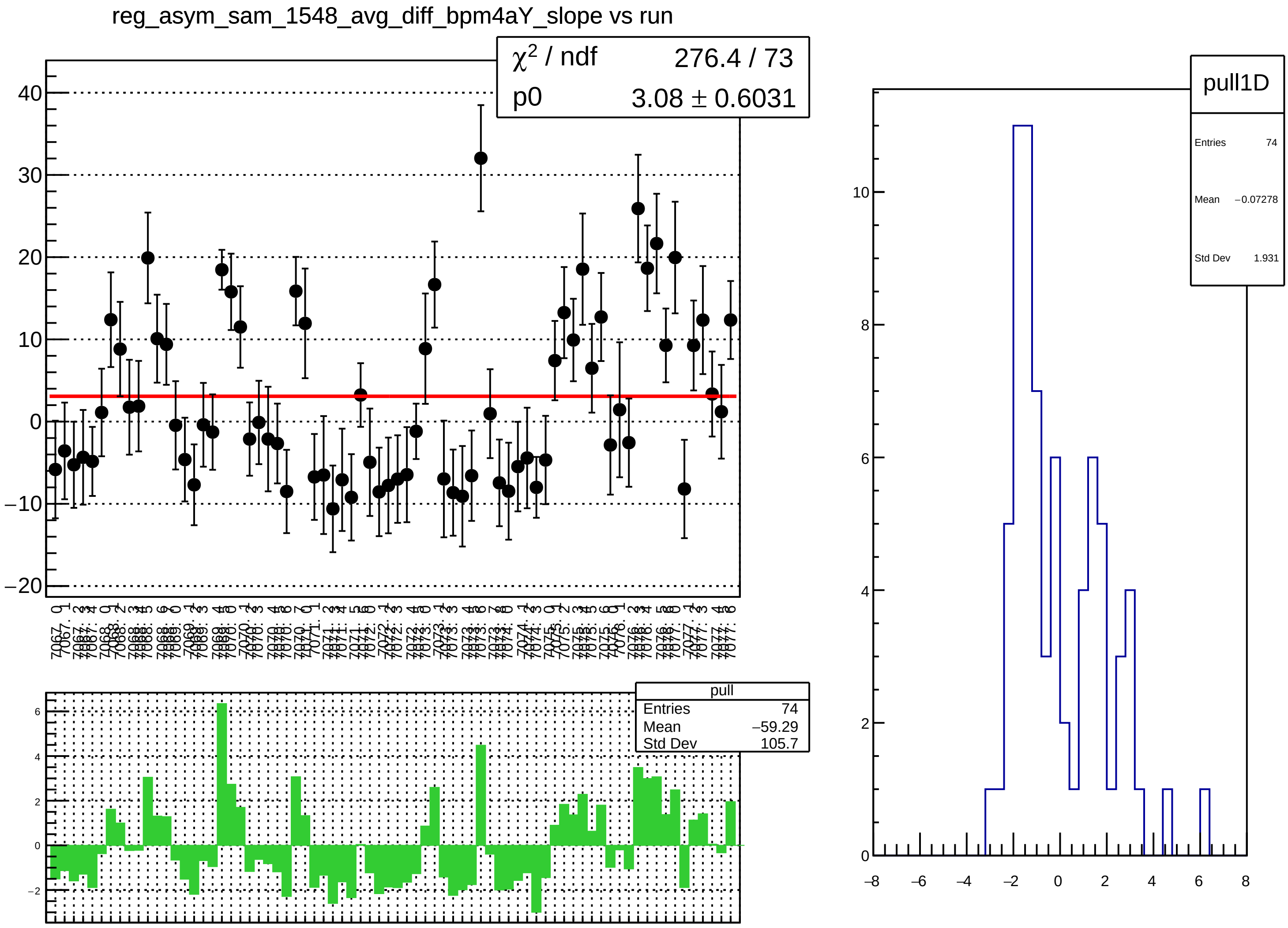
reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 165.3 / 73
p0 −79.4 ± 0.4885
pull
Entries 74
Mean −9.144
Std Dev 61.89
pull1D
Entries 74
Mean −0.08318
Std Dev 1.492



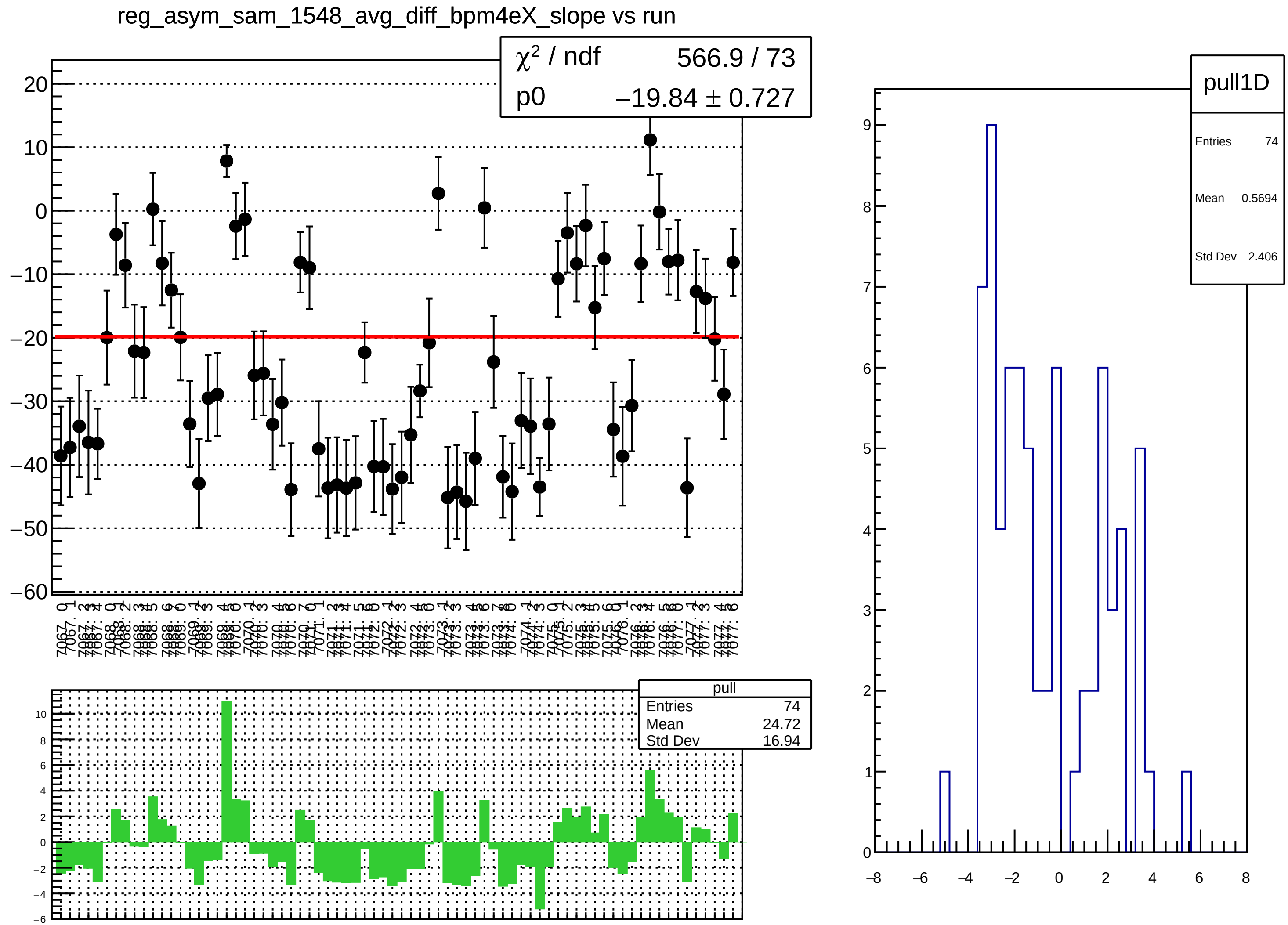
reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 24.89 / 73
p0 0.5365 ± 0.02222
pull
Entries 74
Mean 1075
Std Dev 1054
pull1D
Entries 74
Mean −0.002498
Std Dev 0.58



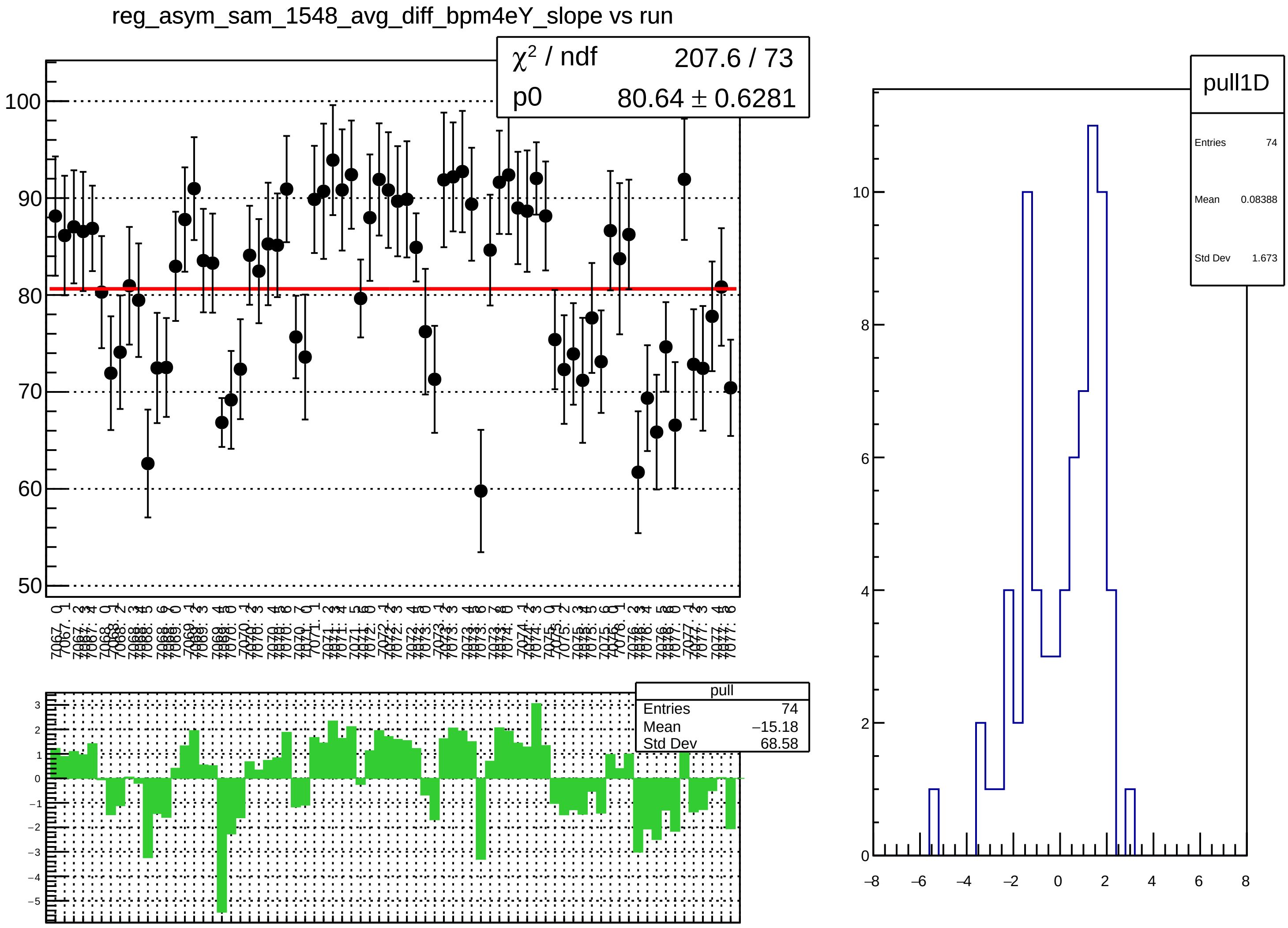
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ2 / ndf 673.4 / 73
p0 −36.47 ± 0.755
pull
Entries 74
Mean 22.03
Std Dev 17.87
pull1D
Entries 74
Mean 0.6127
Std Dev 2.637

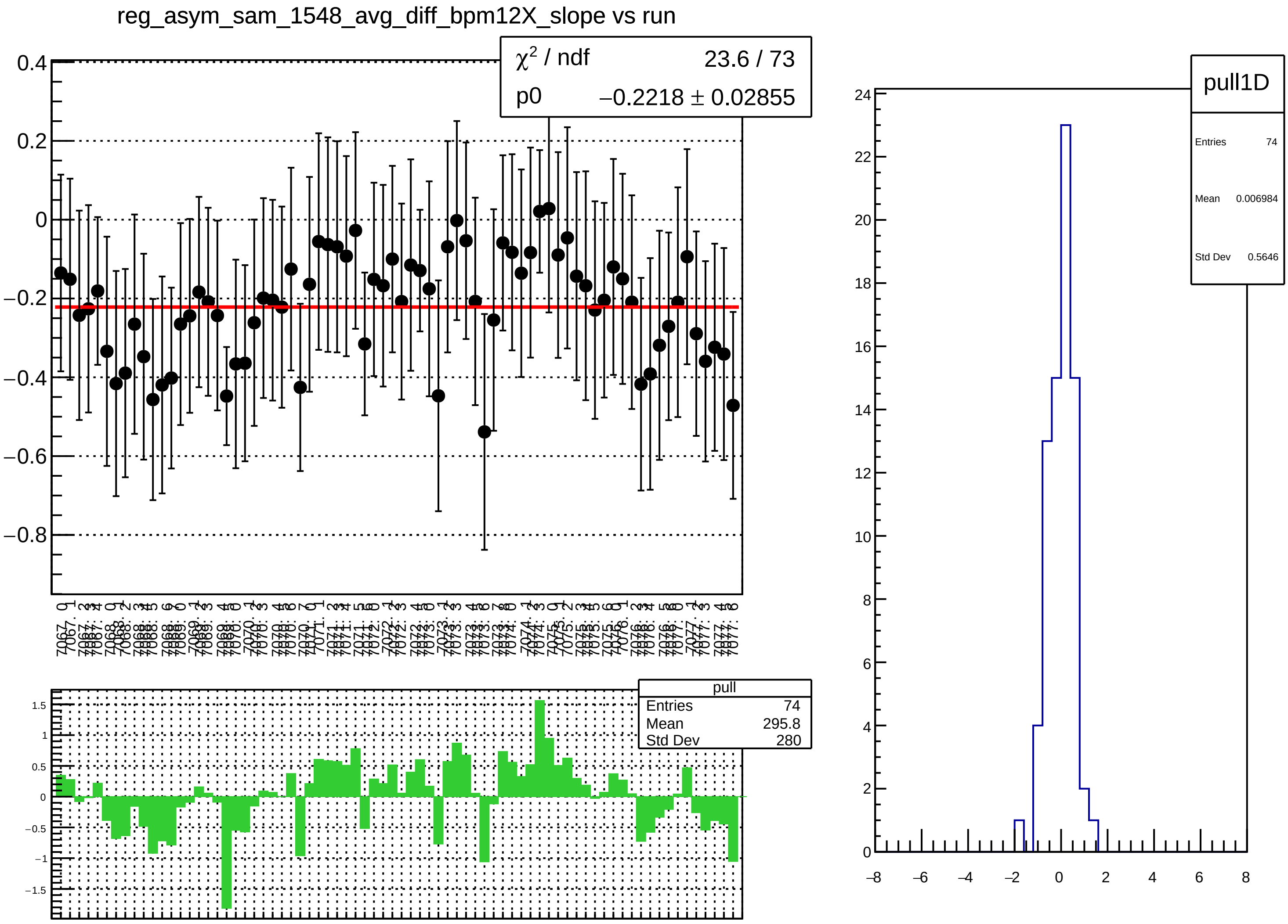


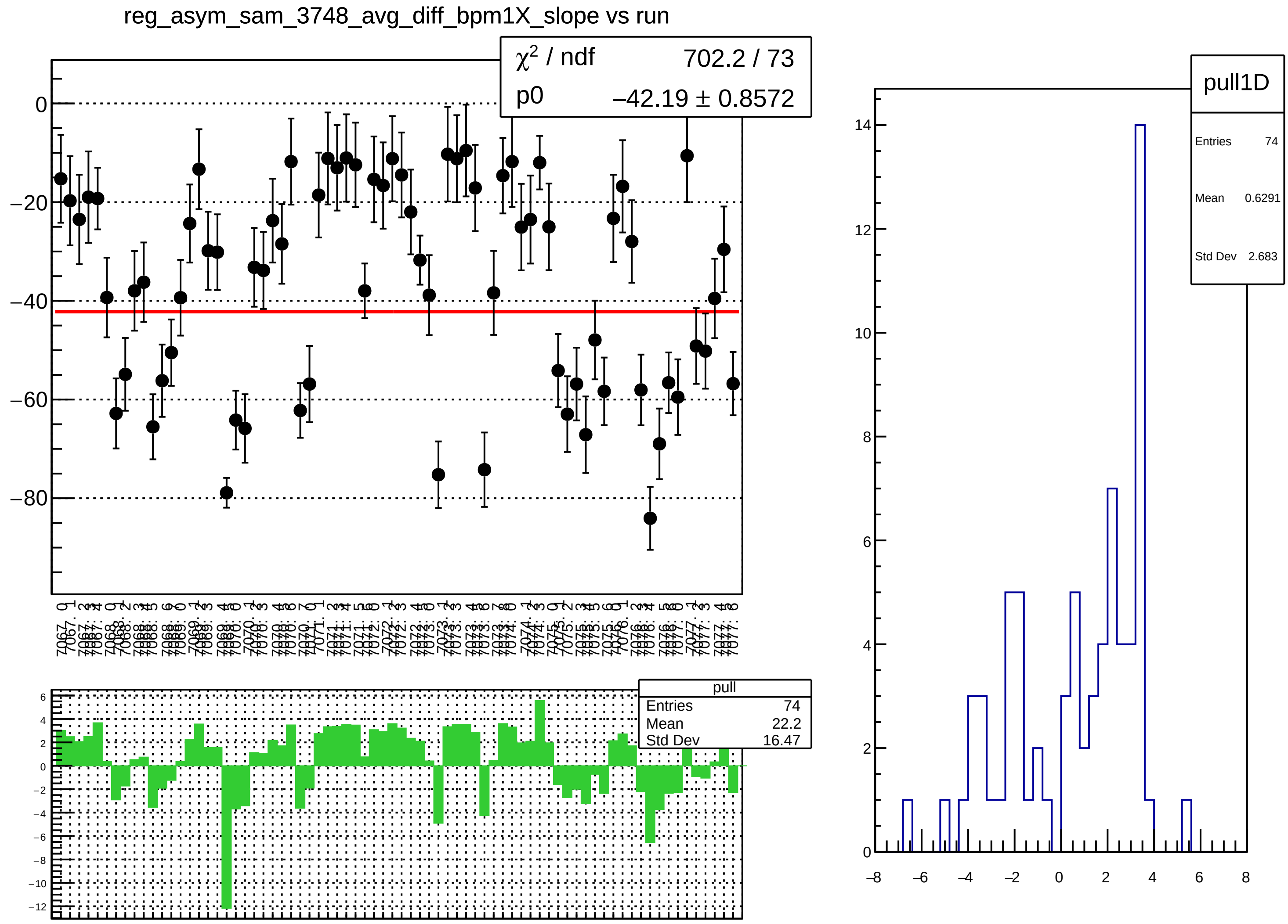
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 276.4 / 73
p0 3.08 ± 0.6031
pull
Entries 74
Mean −59.29
Std Dev 105.7
pull1D
Entries 74
Mean −0.07278
Std Dev 1.931



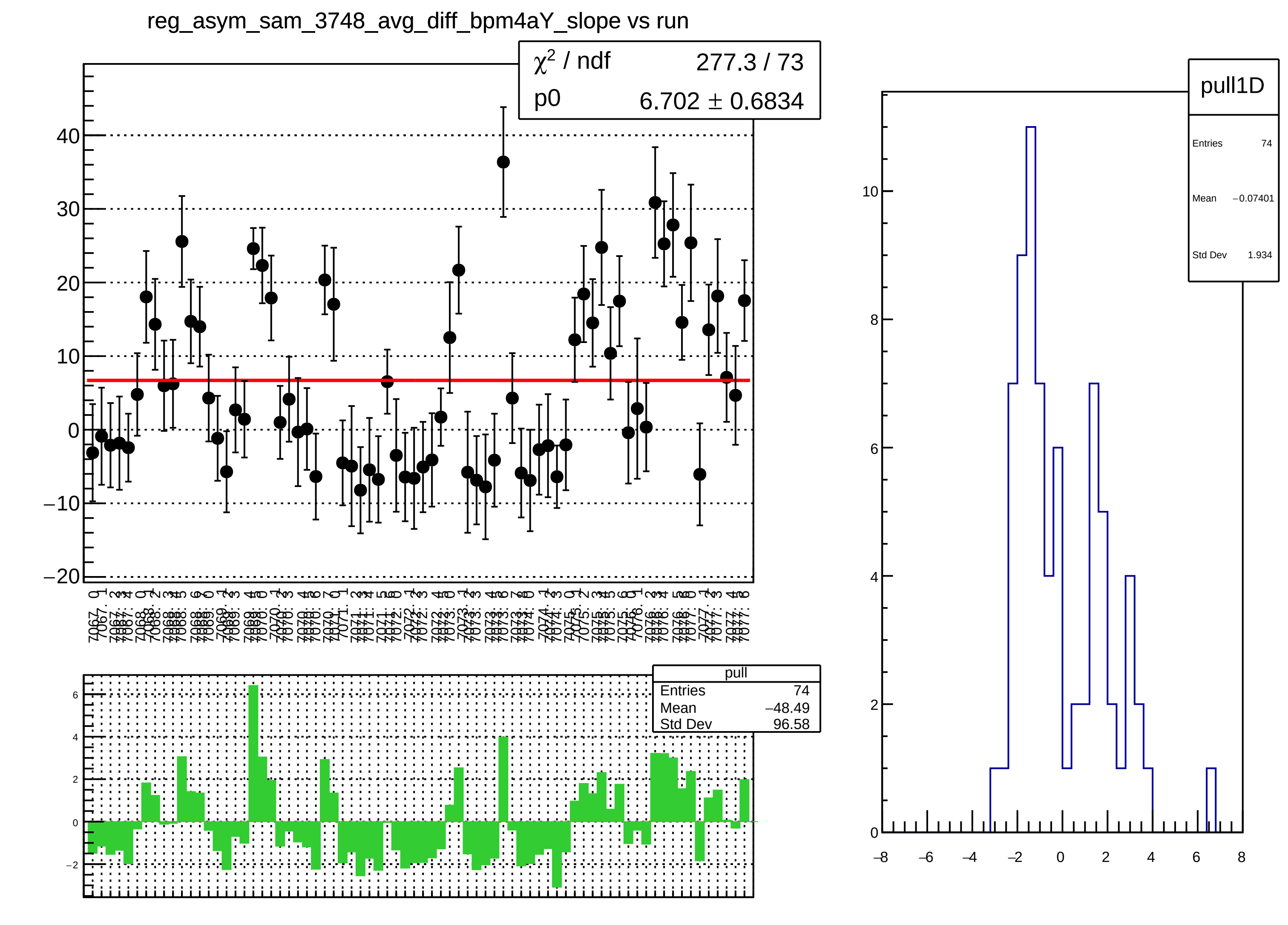
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ2 / ndf 566.9 / 73
p0 −19.84 ± 0.727
pull
Entries 74
Mean 24.72
Std Dev 16.94
pull1D
Entries 74
Mean −0.5694
Std Dev 2.406


reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 207.6 / 73
p0 80.64 ± 0.6281
pull
Entries 74
Mean −15.18
Std Dev 68.58
pull1D
Entries 74
Mean 0.08388
Std Dev 1.673

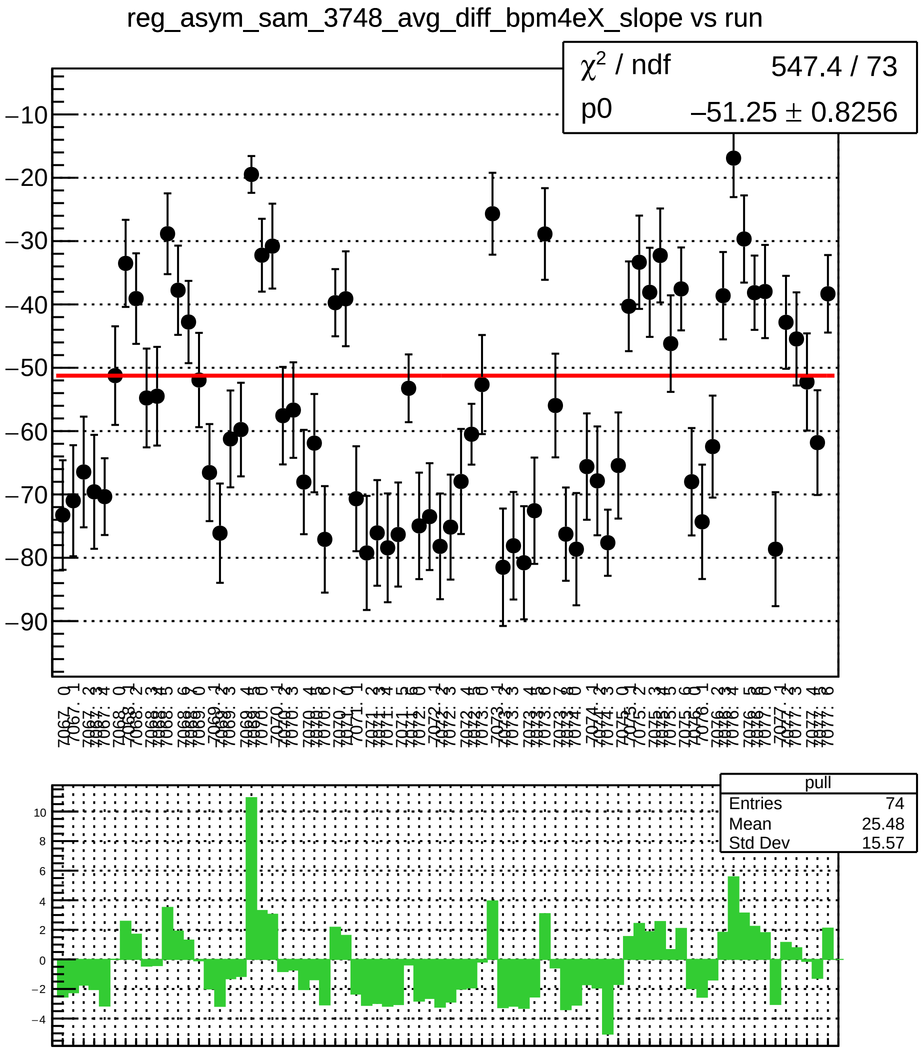

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 23.6 / 73
p0 −0.2218 ± 0.02855
pull
Entries 74
Mean 295.8
Std Dev 280
pull1D
Entries 74
Mean 0.006984
Std Dev 0.5646



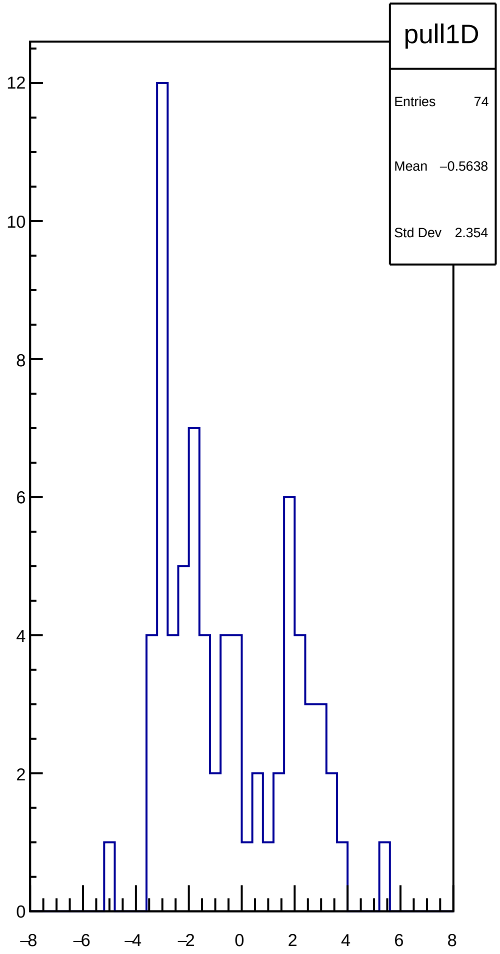
reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 702.2 / 73
p0 −42.19 ± 0.8572
pull
Entries 74
Mean 22.2
Std Dev 16.47
pull1D
Entries 74
Mean 0.6291
Std Dev 2.683



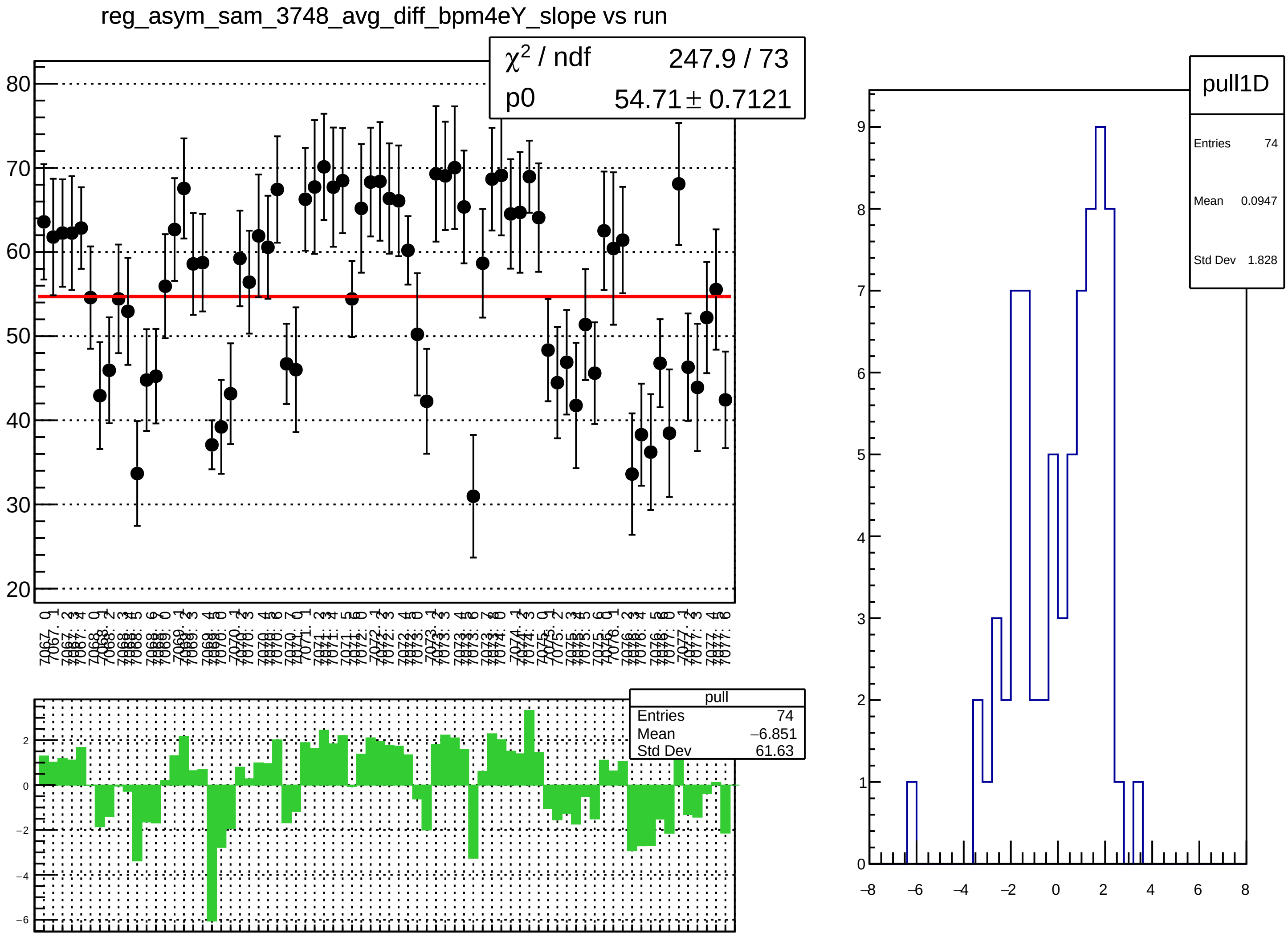
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 277.3 / 73
p0 6.702 ± 0.6834
40
30
20
10
0
−10
−20
pull
Entries 74
Mean −48.49
Std Dev 96.58
6
4
2
0
−2
pull1D
Entries 74
Mean −0.07401
Std Dev 1.934
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

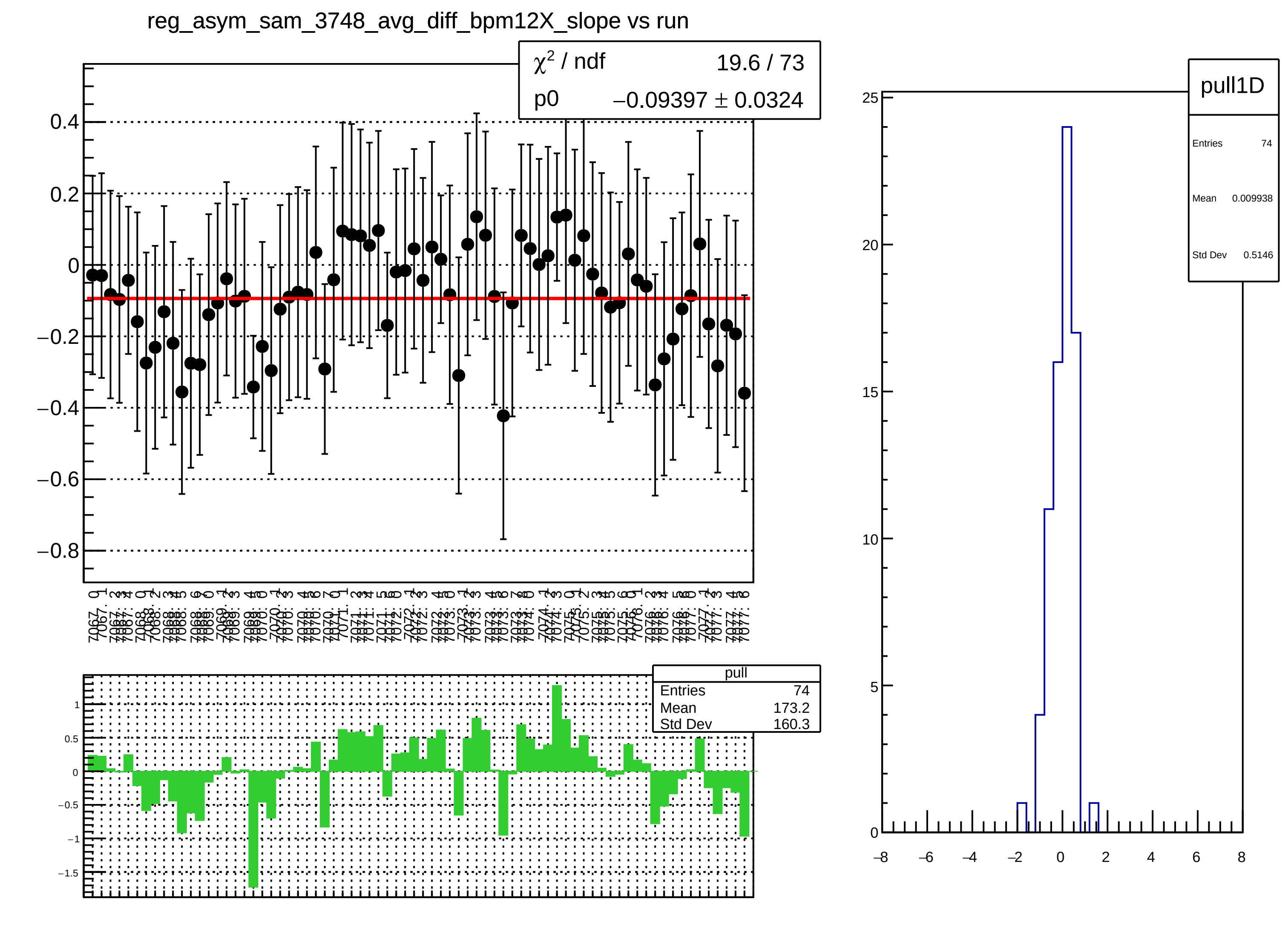


reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 547.4 / 73
p0 −51.25 ± 0.8256
pull
Entries 74
Mean 25.48
Std Dev 15.57

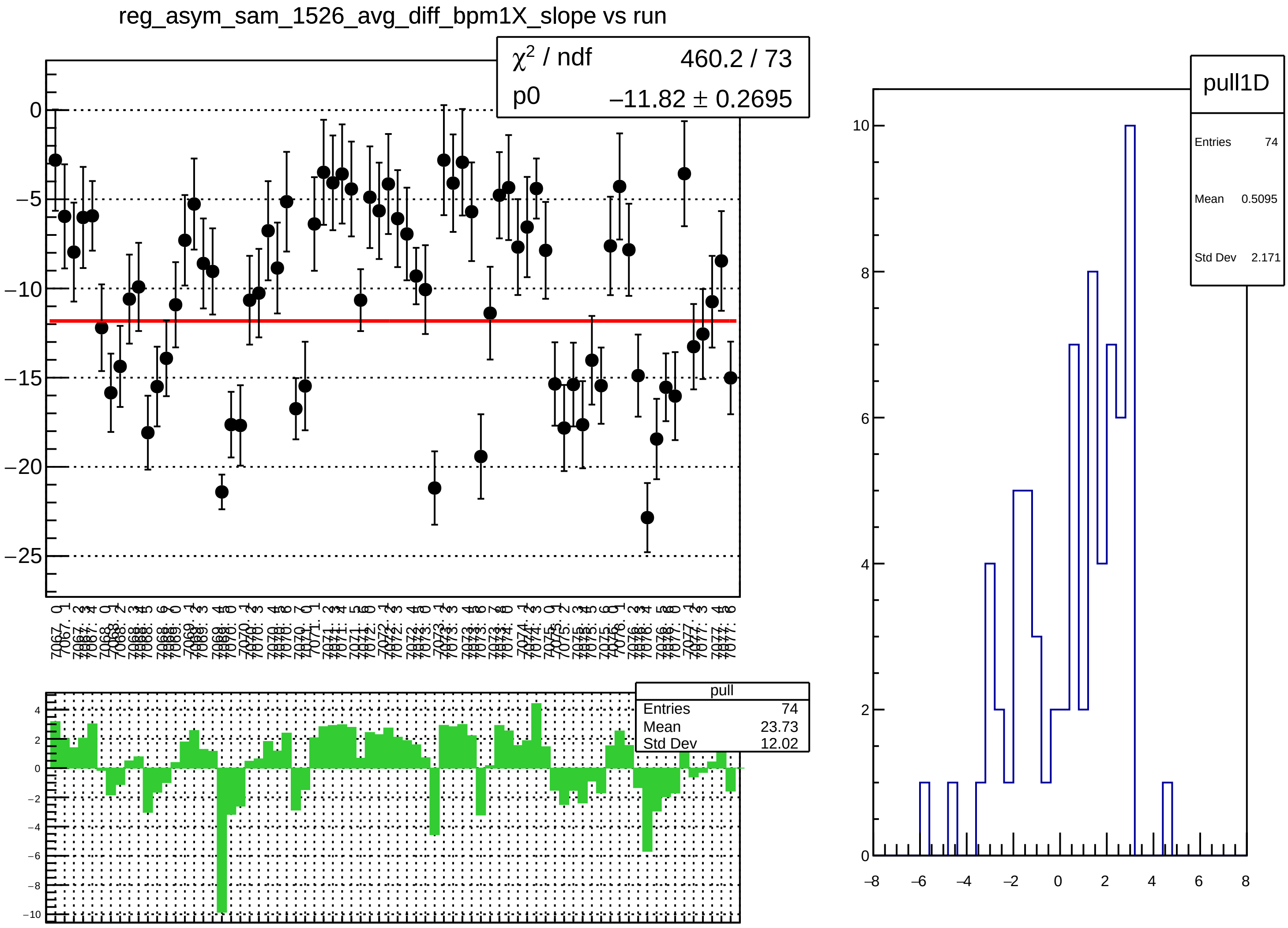


pull1D
Entries 74
Mean −0.5638
Std Dev 2.354

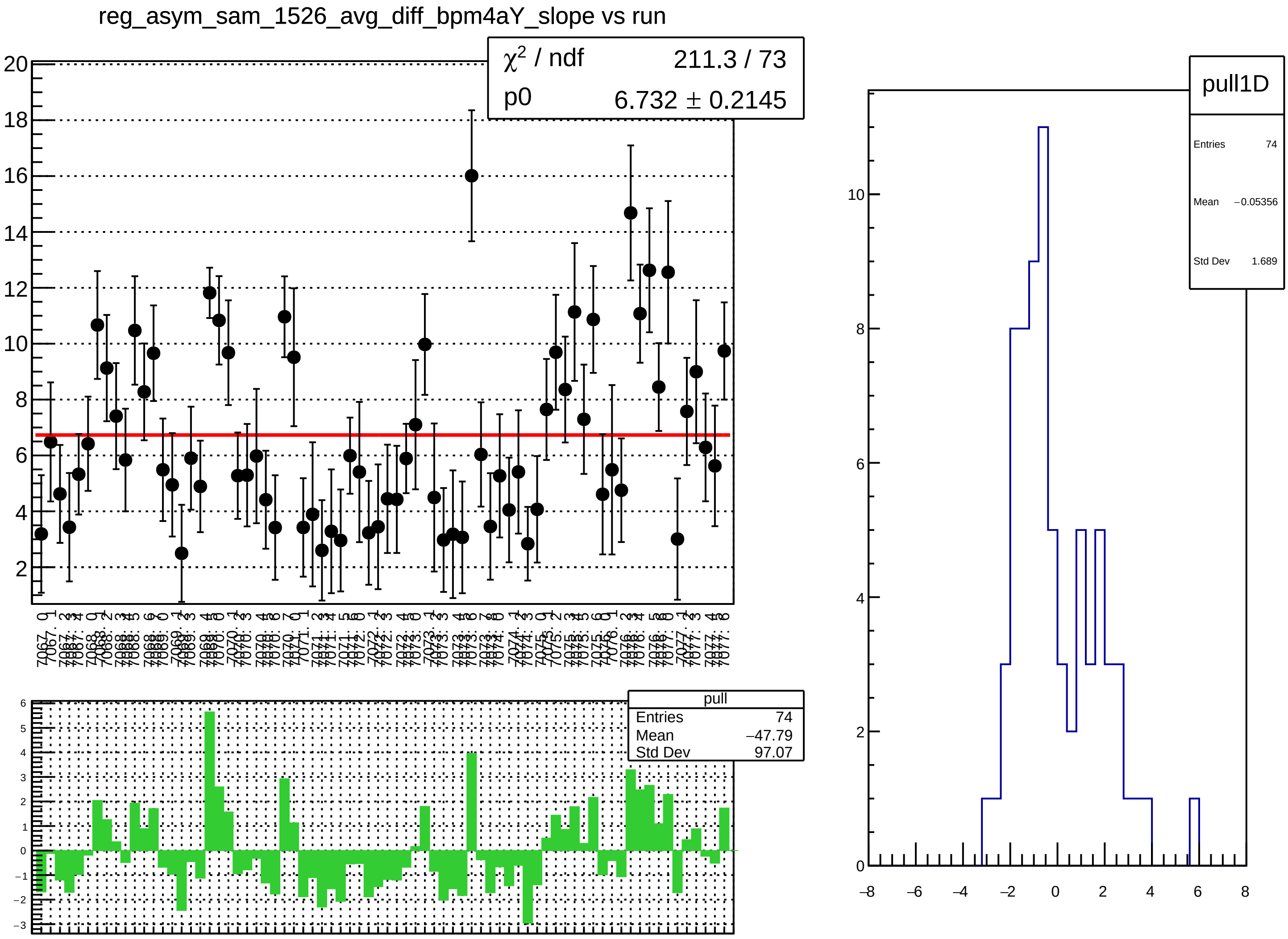

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 247.9 / 73
p0 54.71 ± 0.7121
pull
Entries 74
Mean −6.851
Std Dev 61.63
pull1D
Entries 74
Mean 0.0947
Std Dev 1.828

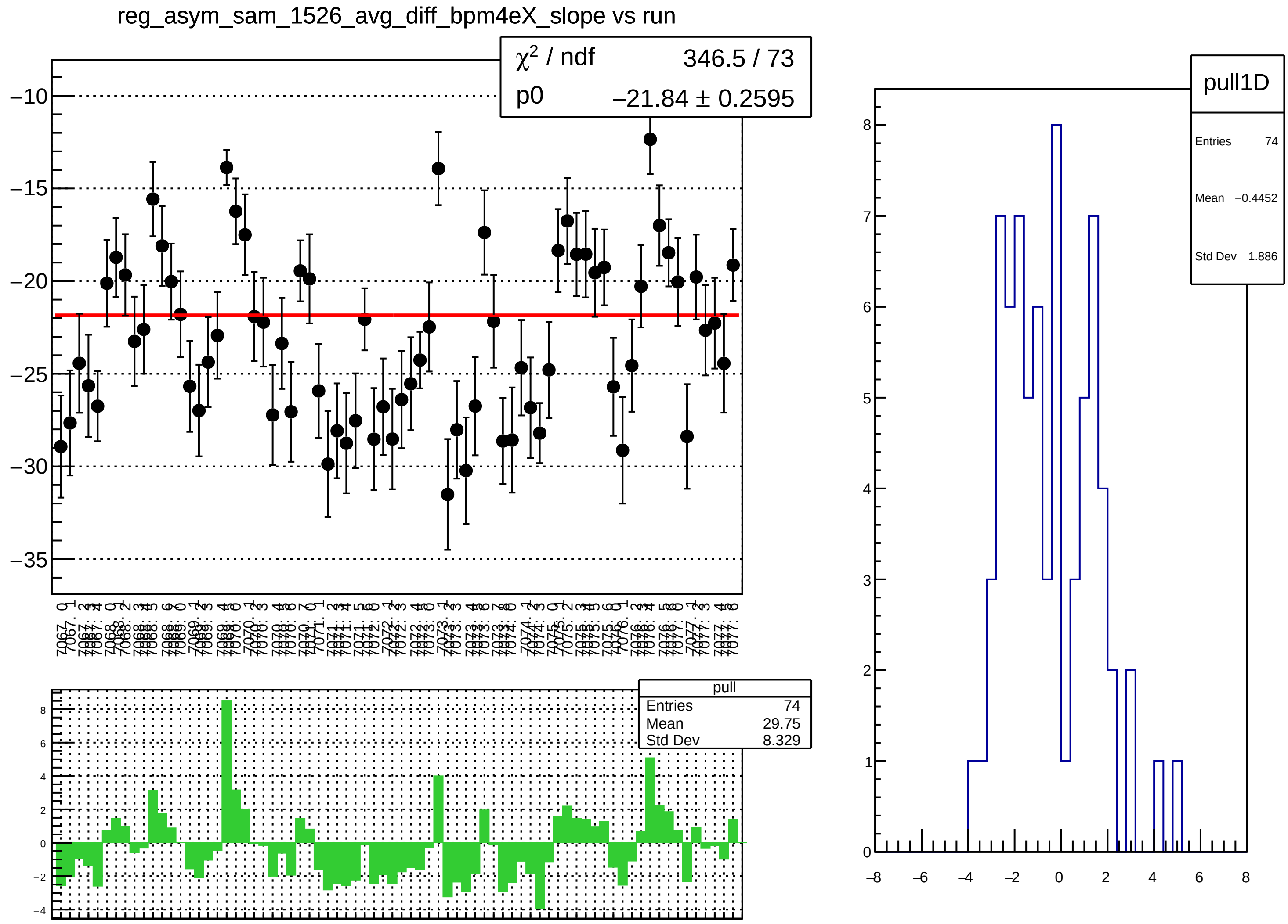


reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 19.6 / 73
p0 −0.09397 ± 0.0324
pull
Entries 74
Mean 173.2
Std Dev 160.3
pull1D
Entries 74
Mean 0.009938
Std Dev 0.5146

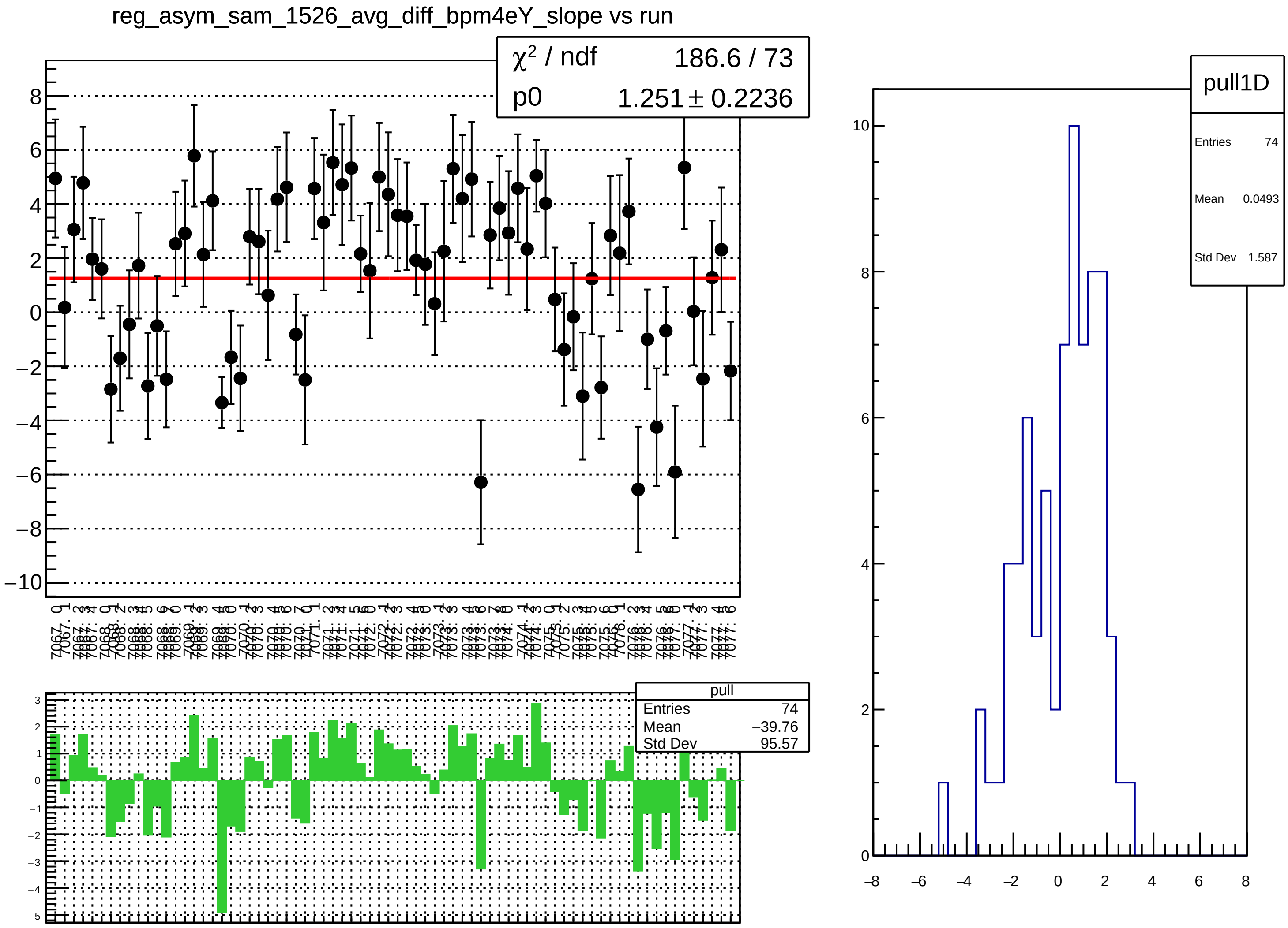


reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 460.2 / 73
p0 −11.82 ± 0.2695
0
−5
−10
−15
−20
−25
pull
Entries 74
Mean 23.73
Std Dev 12.02
4
2
0
−2
−4
−6
−8
−10
pull1D
Entries 74
Mean 0.5095
Std Dev 2.171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

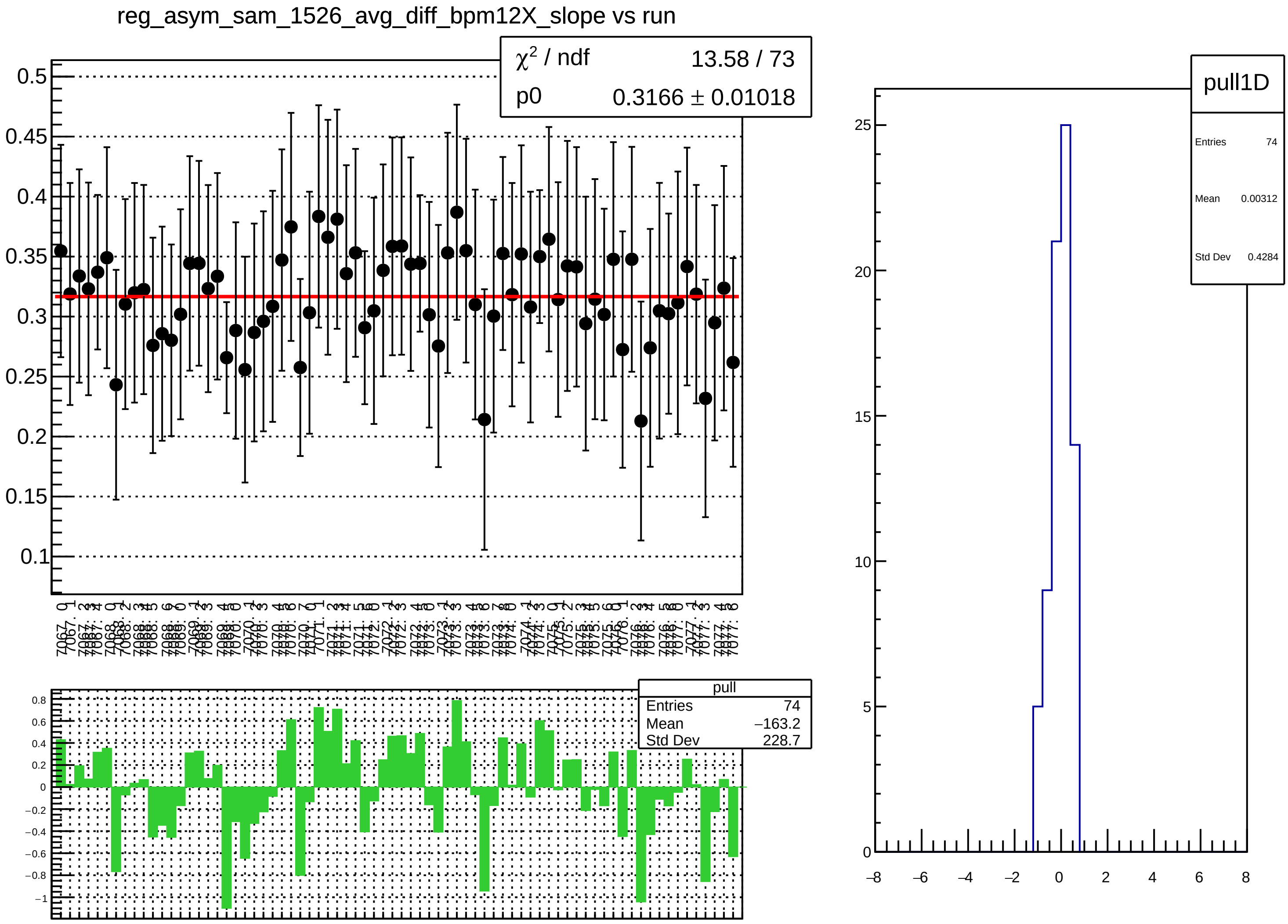

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ2 / ndf 211.3 / 73
p0 6.732 ± 0.2145
pull
Entries 74
Mean −47.79
Std Dev 97.07
pull1D
Entries 74
Mean −0.05356
Std Dev 1.689

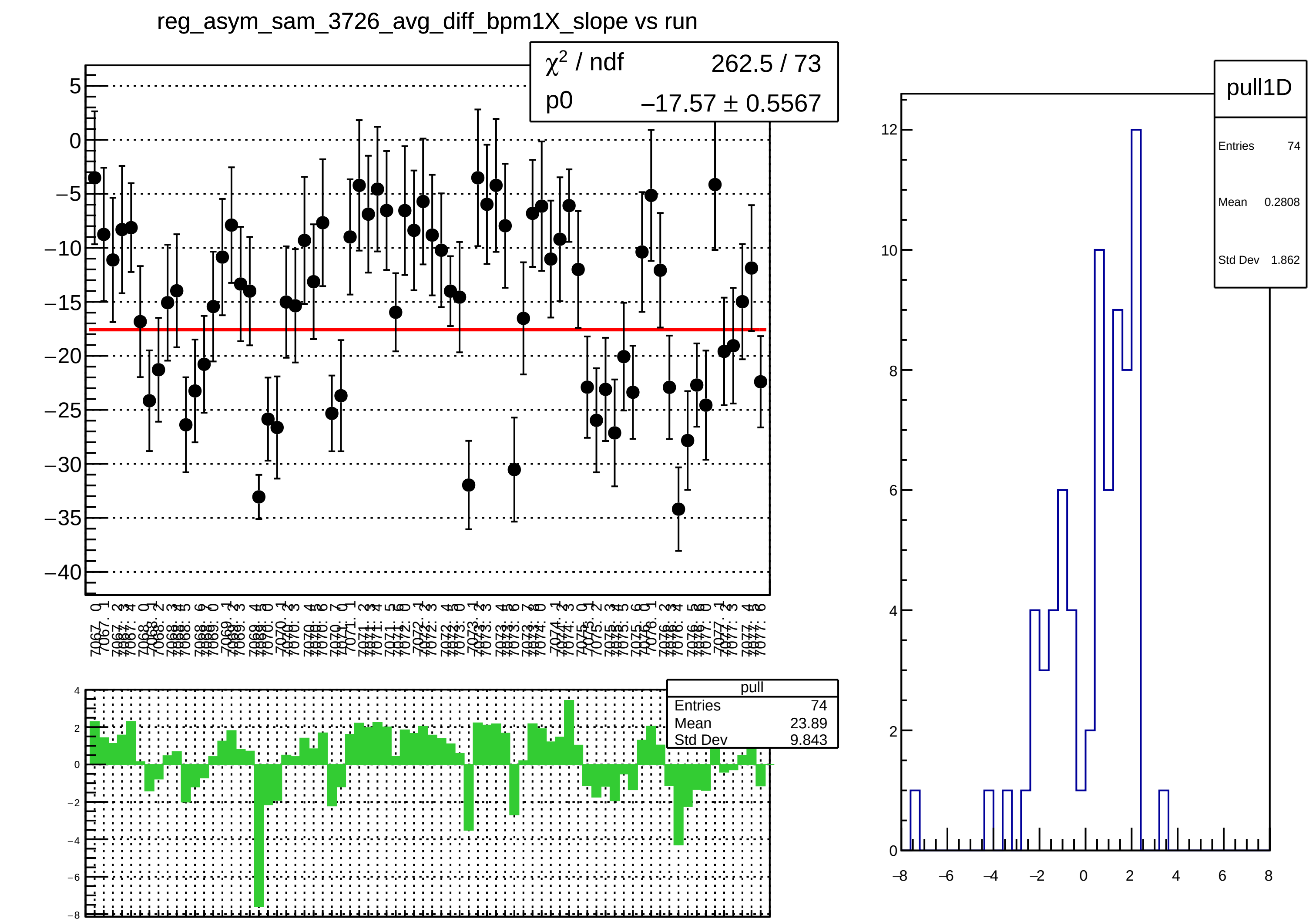


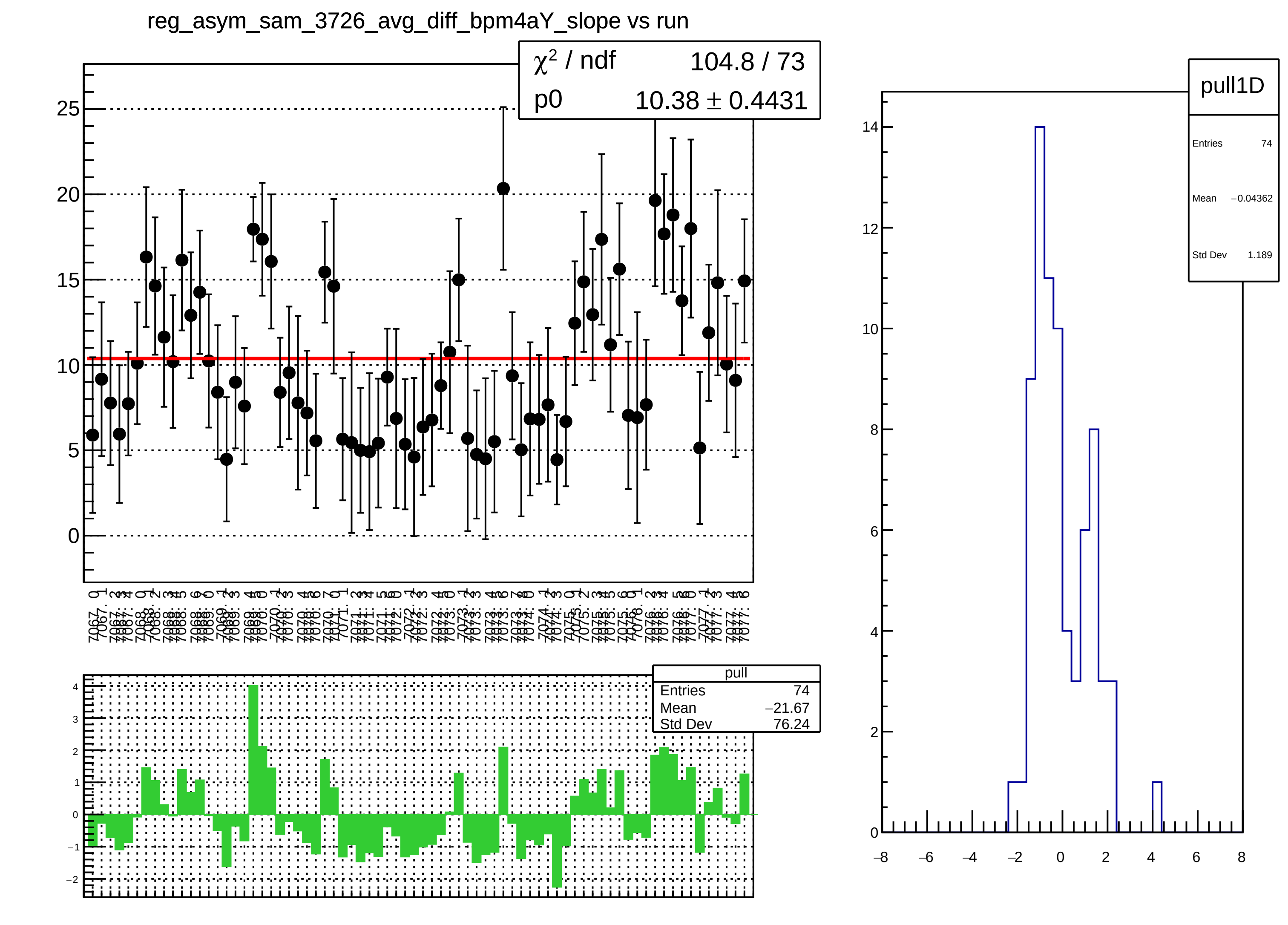
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ2 / ndf 346.5 / 73
p0 −21.84 ± 0.2595
pull
Entries 74
Mean 29.75
Std Dev 8.329
pull1D
Entries 74
Mean −0.4452
Std Dev 1.886



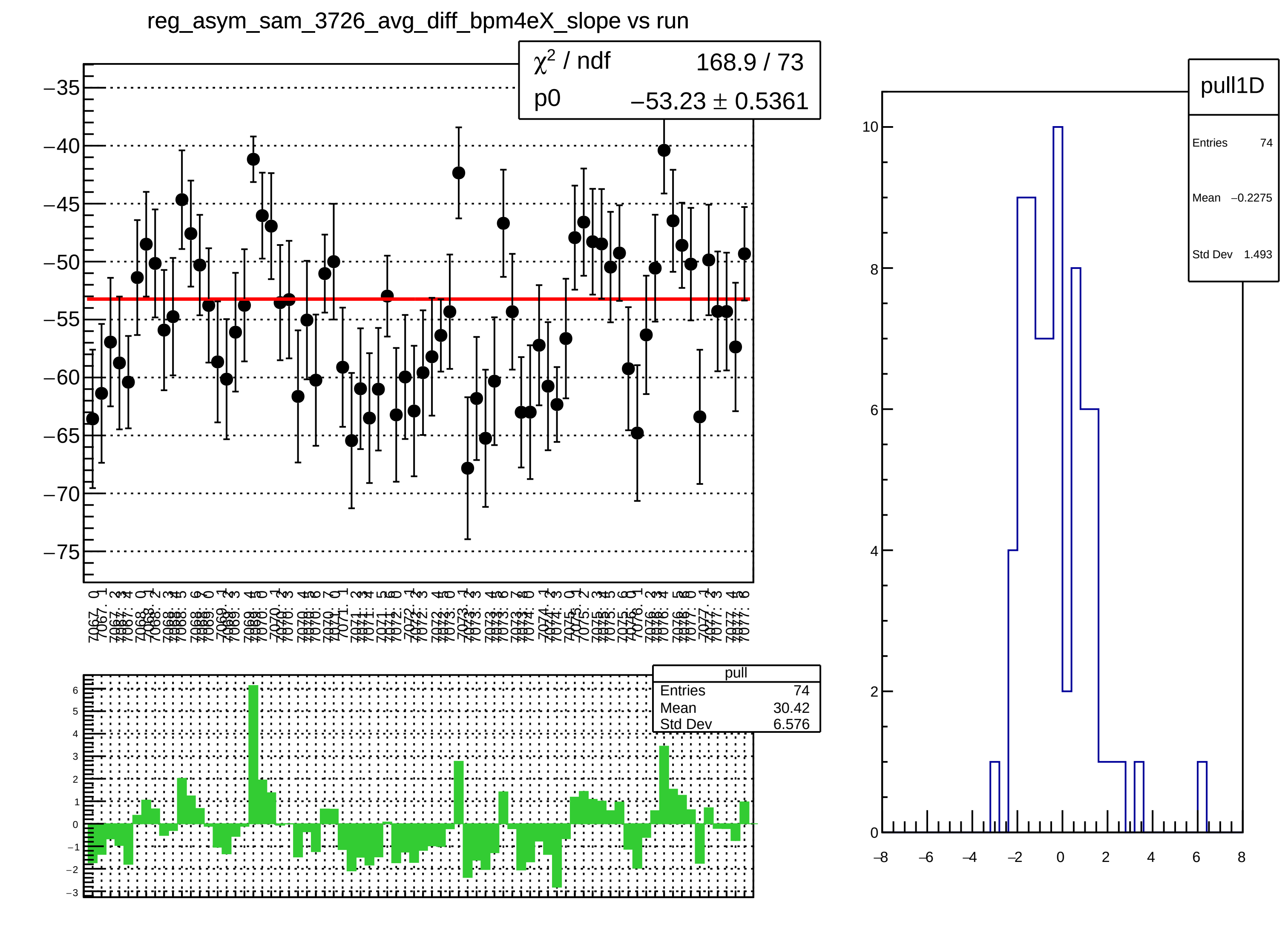
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ2 / ndf 186.6 / 73
p0 1.251 ± 0.2236
pull
Entries 74
Mean −39.76
Std Dev 95.57
pull1D
Entries 74
Mean 0.0493
Std Dev 1.587


reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.58 / 73
p0 0.3166 ± 0.01018
pull
Entries 74
Mean −163.2
Std Dev 228.7
pull1D
Entries 74
Mean 0.00312
Std Dev 0.4284

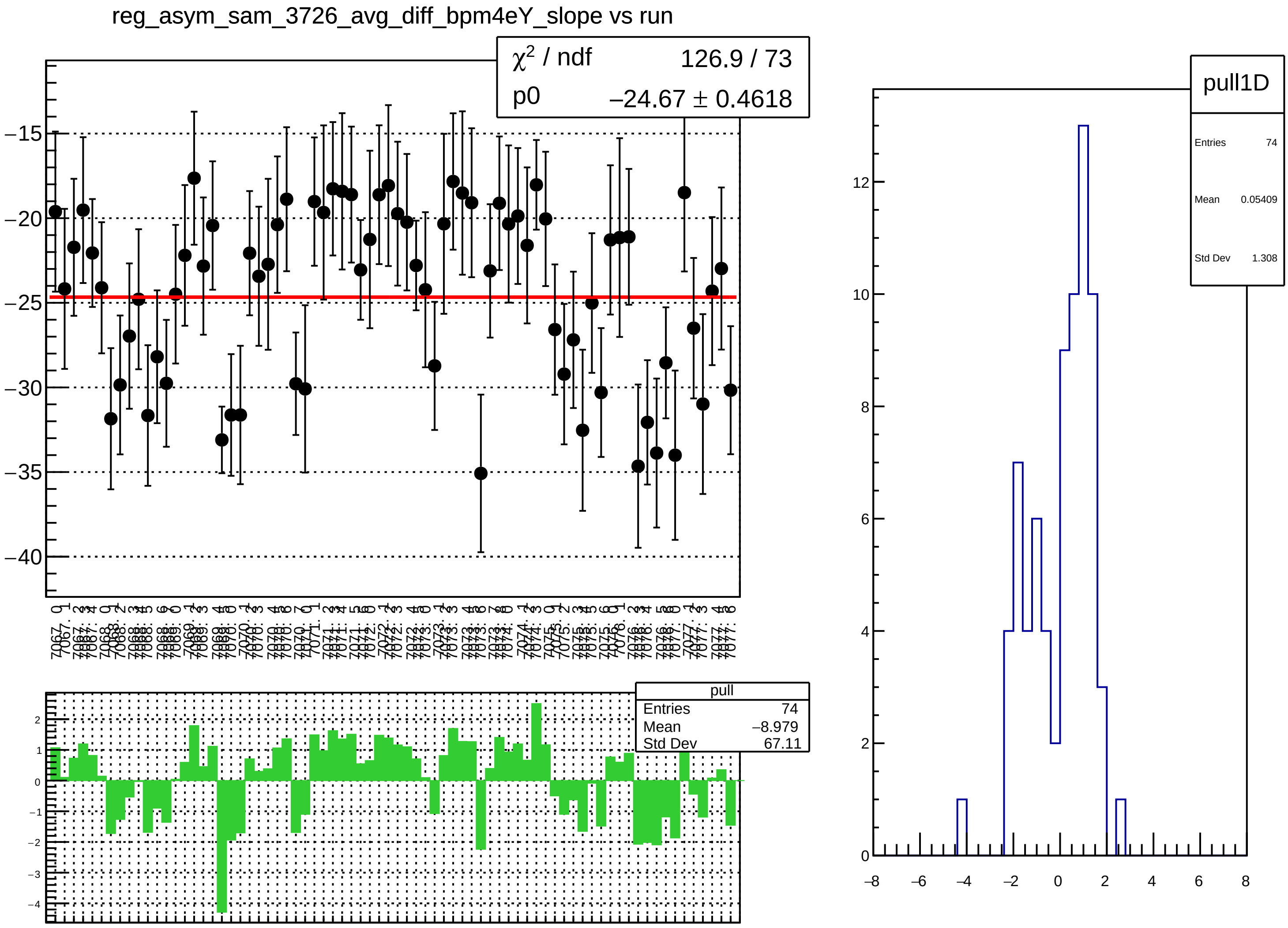

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ2 / ndf 262.5 / 73
p0 −17.57 ± 0.5567
5
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 74
Mean 23.89
Std Dev 9.843
4
2
0
−2
−4
−6
−8
pull1D
Entries 74
Mean 0.2808
Std Dev 1.862
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



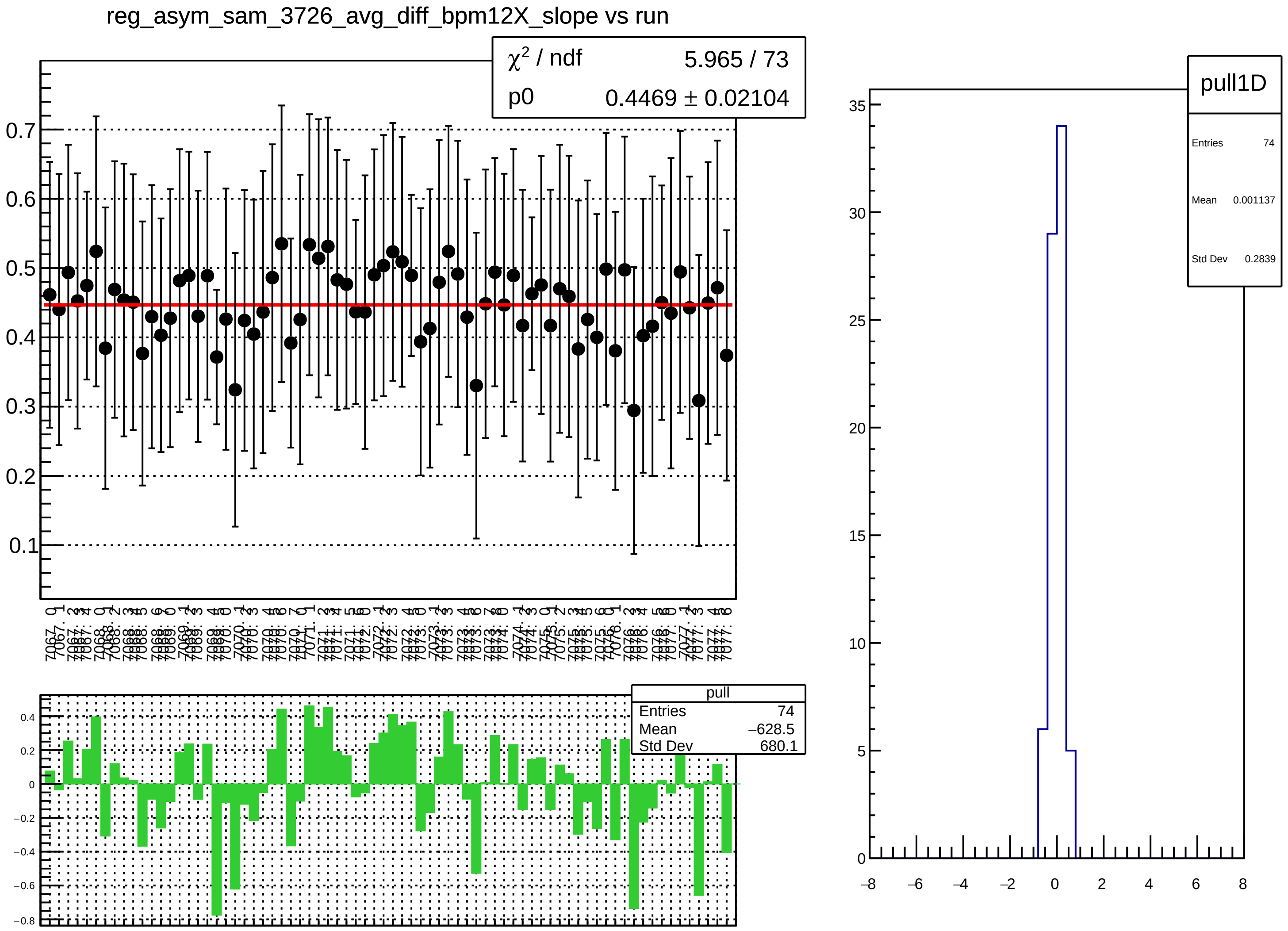
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ2 / ndf 104.8 / 73
p0 10.38 ± 0.4431
pull
Entries 74
Mean −21.67
Std Dev 76.24
pull1D
Entries 74
Mean −0.04362
Std Dev 1.189

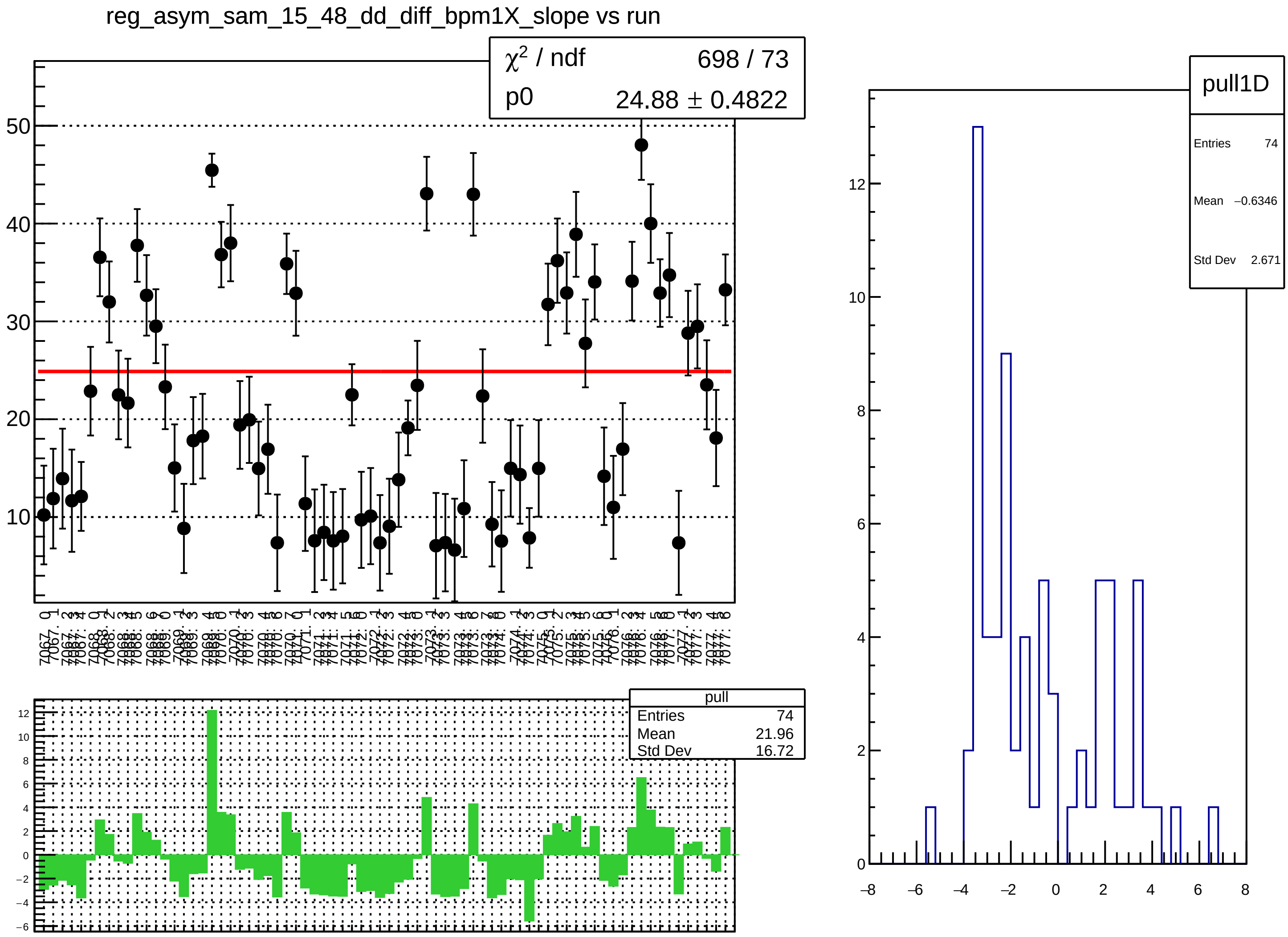


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ2 / ndf 168.9 / 73
p0 −53.23 ± 0.5361
pull
Entries 74
Mean 30.42
Std Dev 6.576
pull1D
Entries 74
Mean −0.2275
Std Dev 1.493

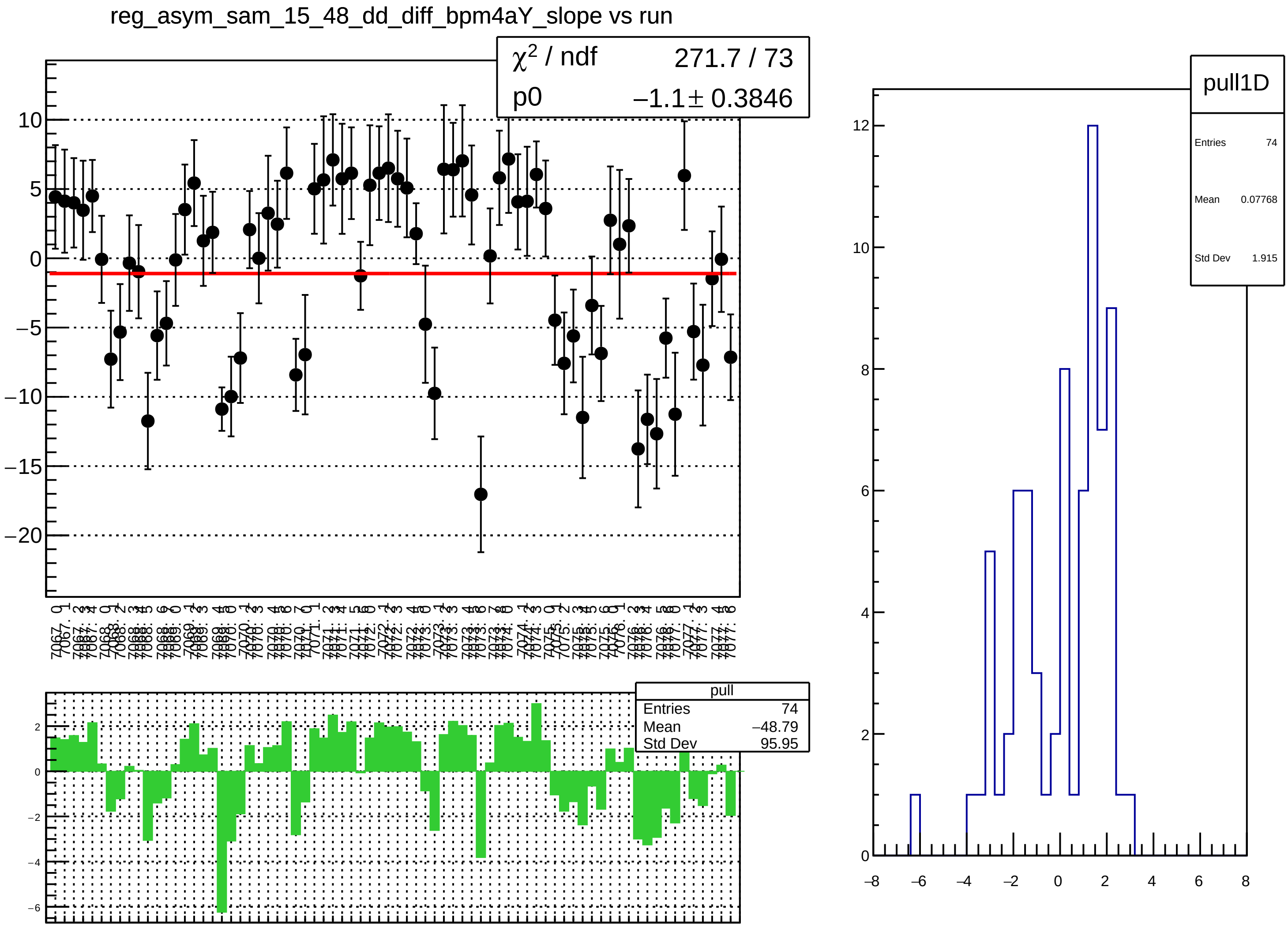


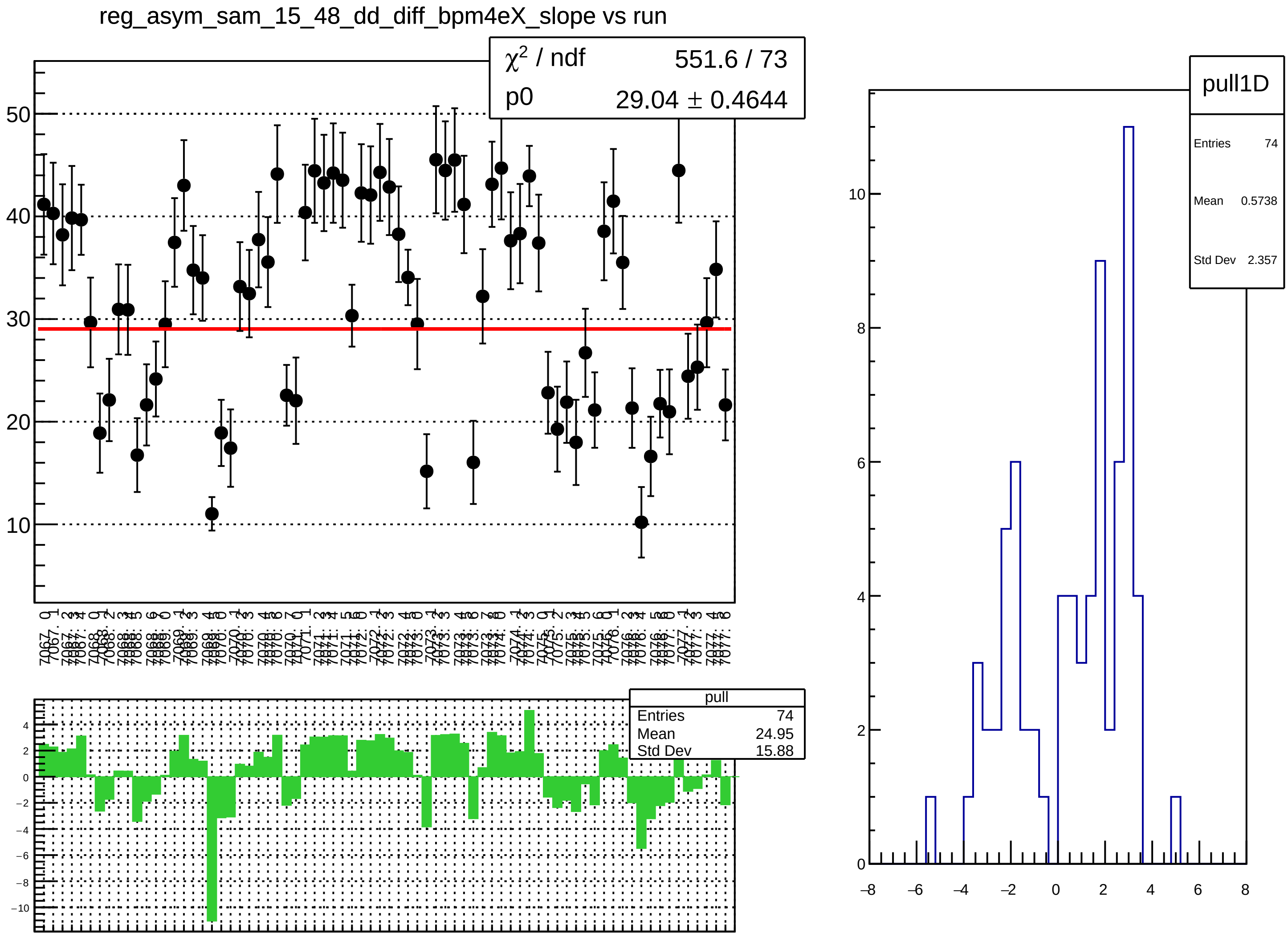
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 126.9 / 73
p0 −24.67 ± 0.4618
pull
Entries 74
Mean −8.979
Std Dev 67.11
pull1D
Entries 74
Mean 0.05409
Std Dev 1.308


reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.965 / 73
p0 0.4469 ± 0.02104
pull
Entries 74
Mean −628.5
Std Dev 680.1
pull1D
Entries 74
Mean 0.001137
Std Dev 0.2839

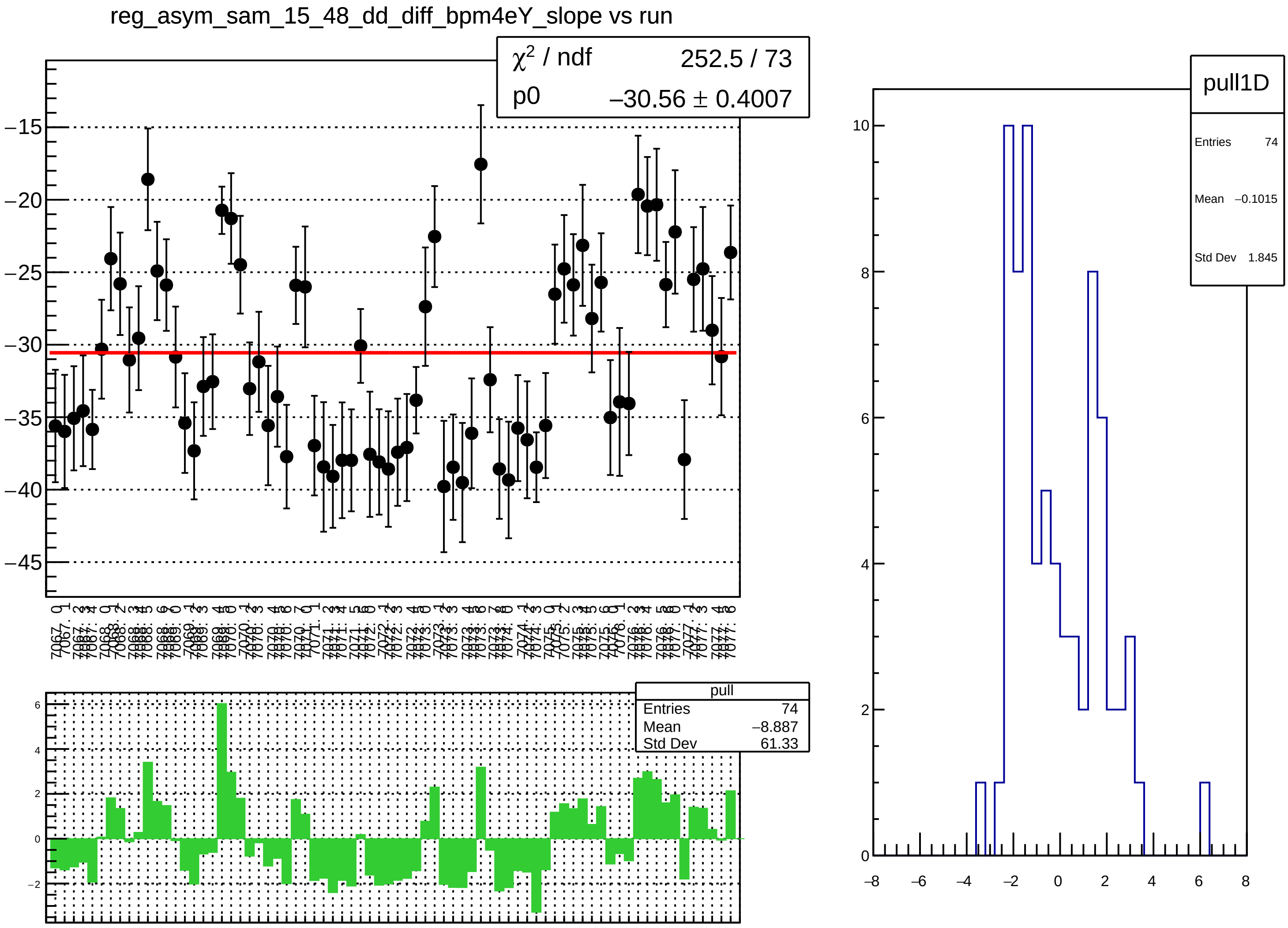


reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 698 / 73
p0 24.88 ± 0.4822
50
40
30
20
10
pull
Entries 74
Mean 21.96
Std Dev 16.72
12
10
8
6
4
2
0
−2
−4
−6
pull1D
Entries 74
Mean −0.6346
Std Dev 2.671
−8
−6
−4
−2
0
2
4
6
8

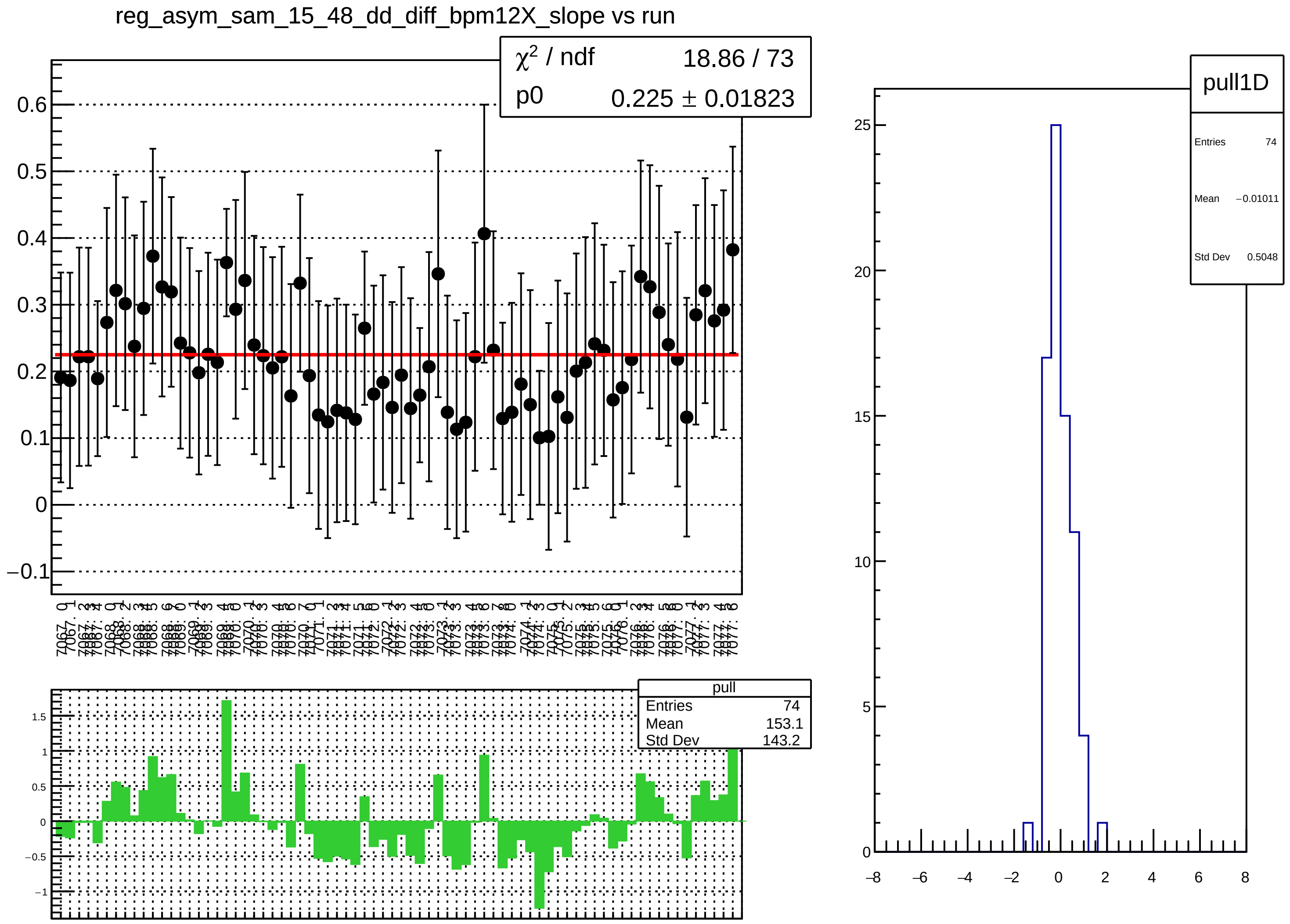

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 271.7 / 73
p0 −1.1 ± 0.3846
pull
Entries 74
Mean −48.79
Std Dev 95.95
pull1D
Entries 74
Mean 0.07768
Std Dev 1.915



reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 551.6 / 73
p0 29.04 ± 0.4644
pull
Entries 74
Mean 24.95
Std Dev 15.88
pull1D
Entries 74
Mean 0.5738
Std Dev 2.357

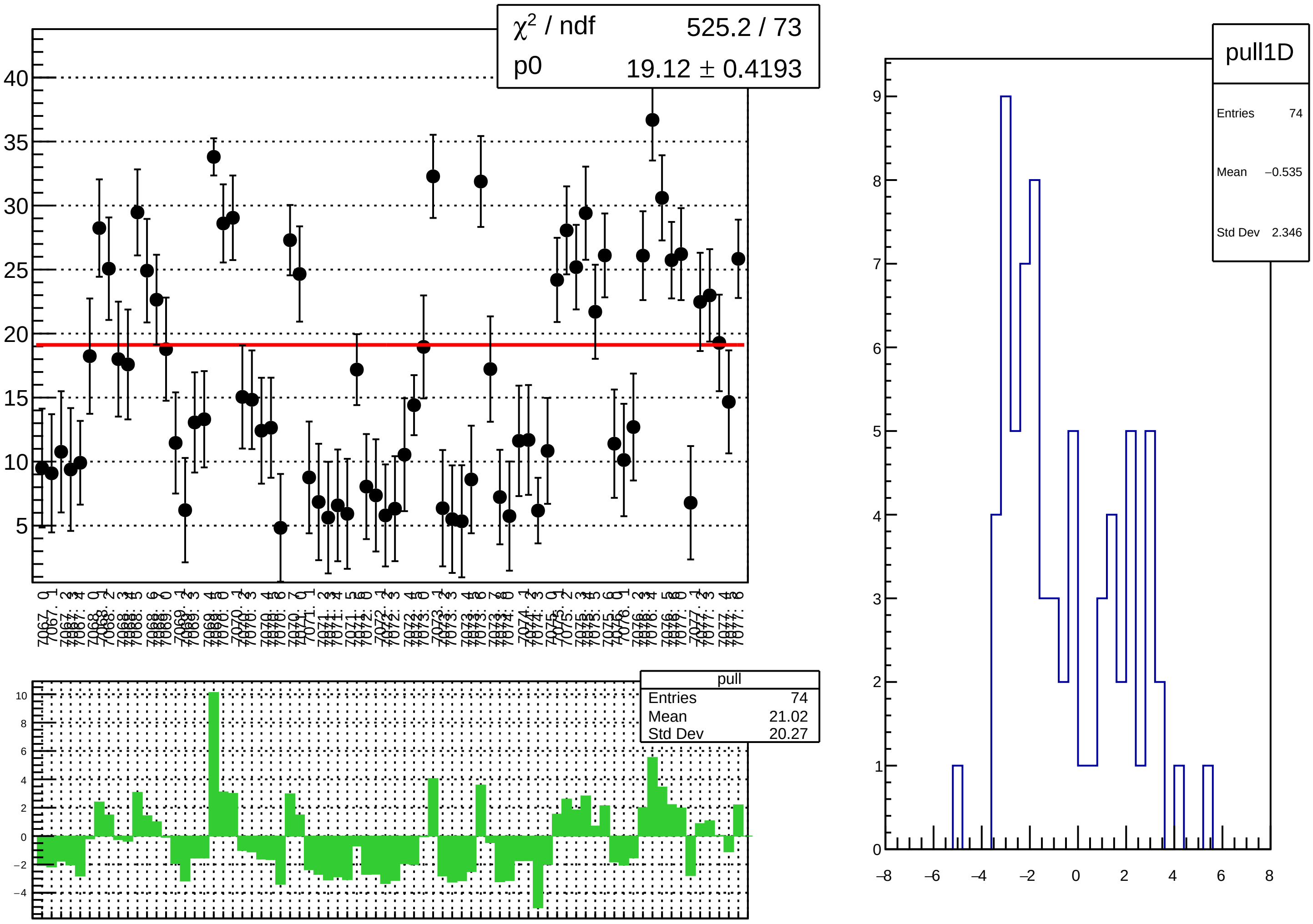


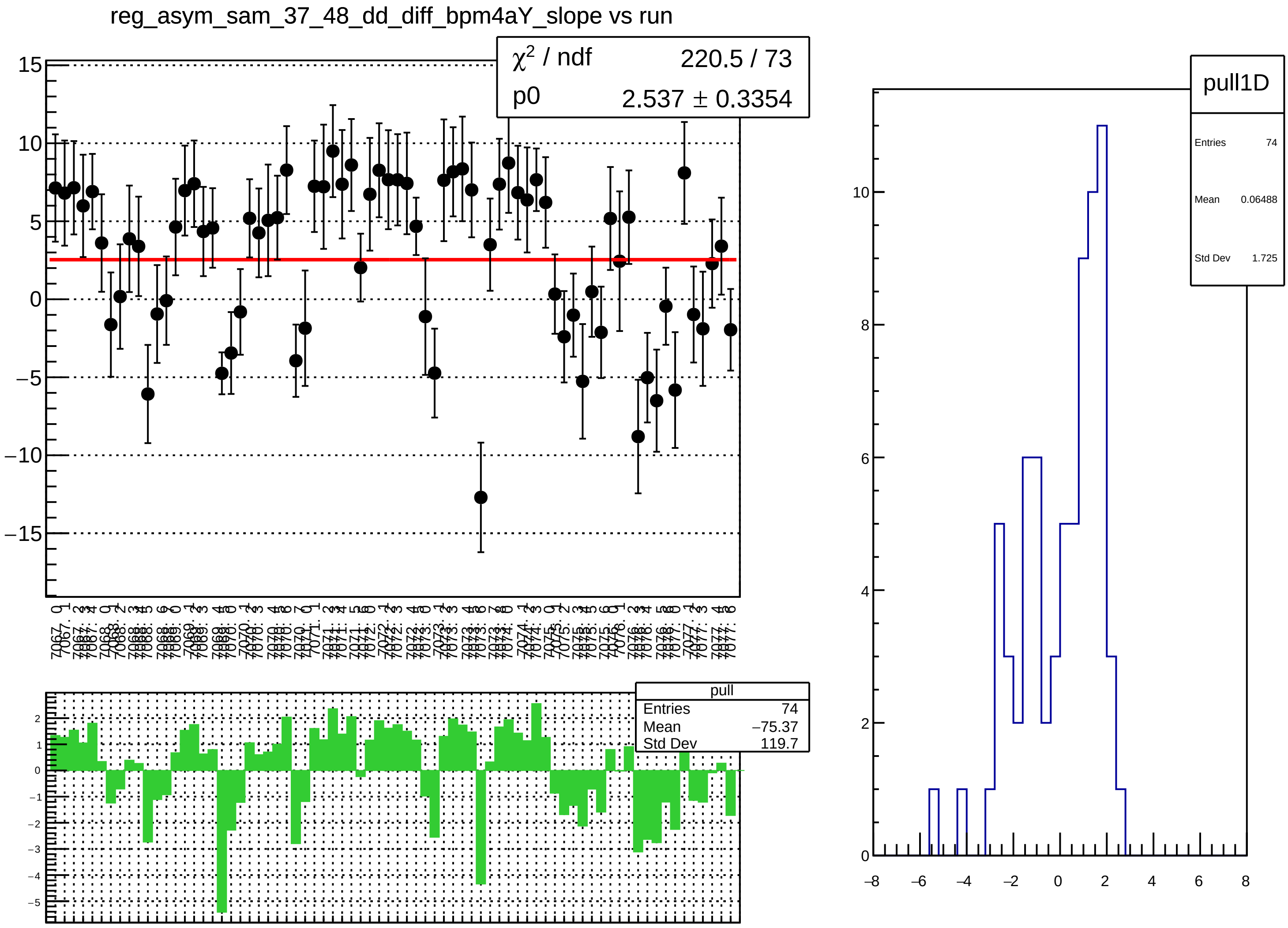
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 252.5 / 73
p0 −30.56 ± 0.4007
−15
−20
−25
−30
−35
−40
−45
pull
Entries 74
Mean −8.887
Std Dev 61.33
6
4
2
0
−2
pull1D
Entries 74
Mean −0.1015
Std Dev 1.845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



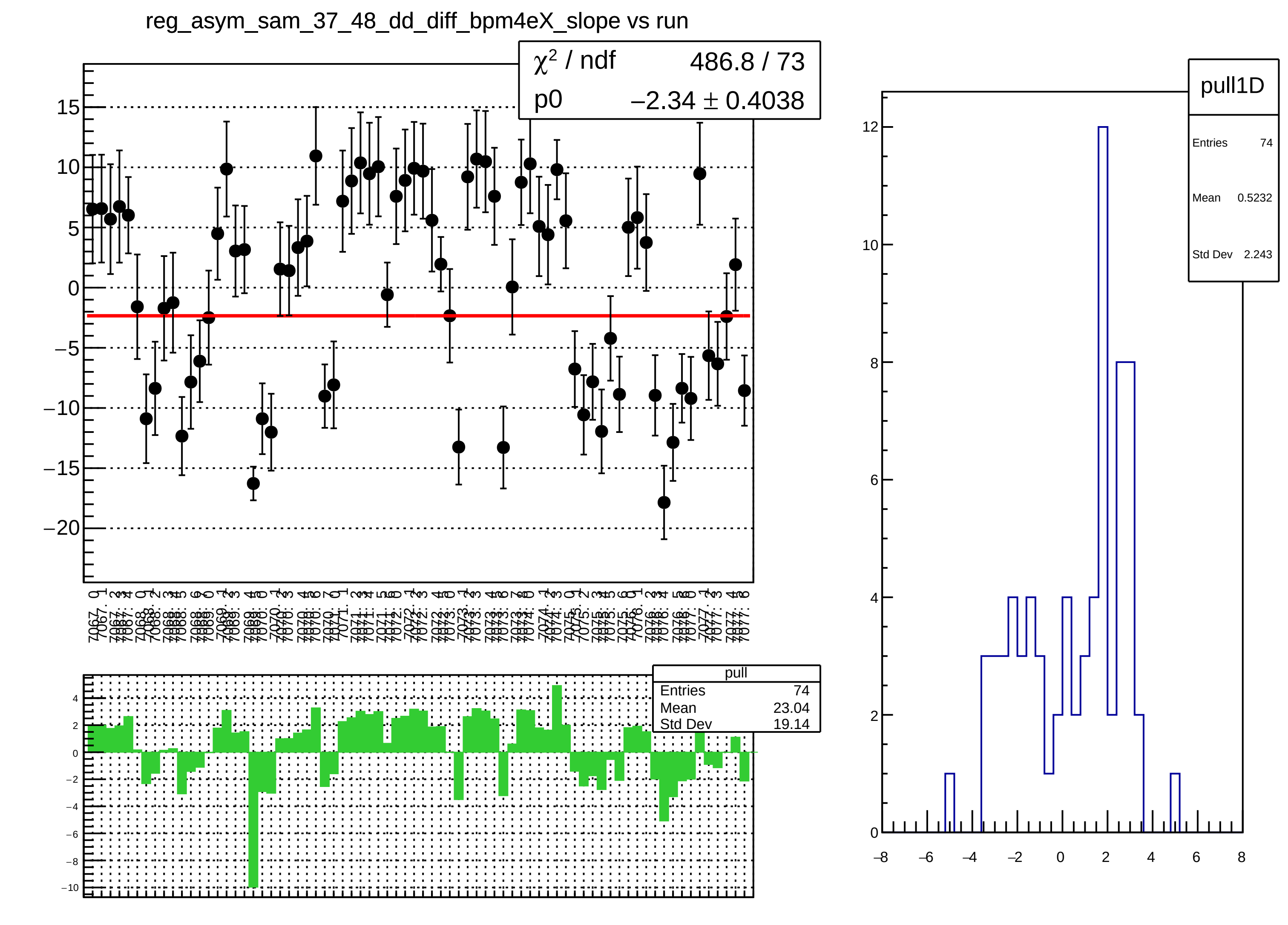
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 18.86 / 73
p0 0.225 ± 0.01823
pull
Entries 74
Mean 153.1
Std Dev 143.2
pull1D
Entries 74
Mean −0.01011
Std Dev 0.5048

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run

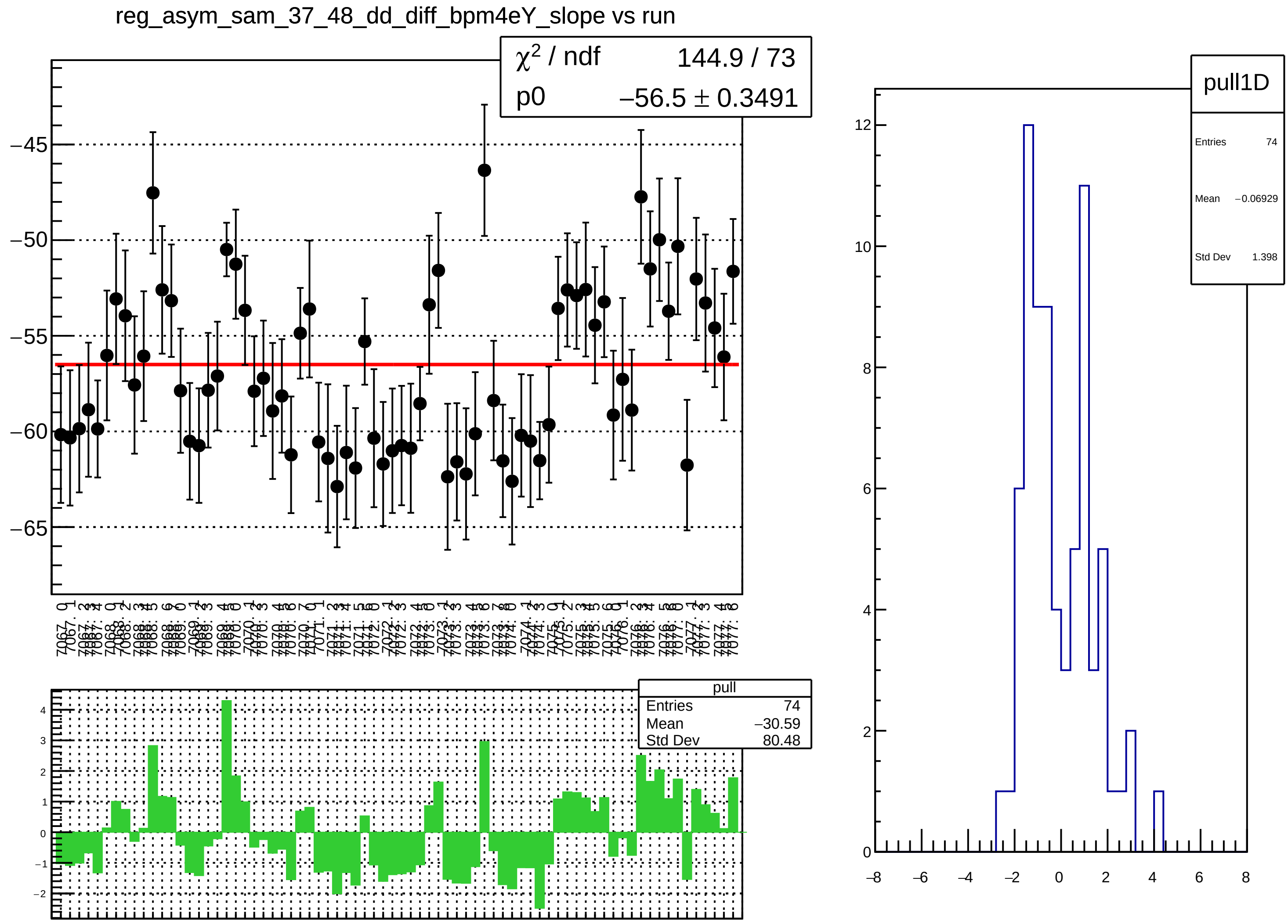




reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 220.5 / 73
p0 2.537 ± 0.3354
pull
Entries 74
Mean −75.37
Std Dev 119.7
pull1D
Entries 74
Mean 0.06488
Std Dev 1.725

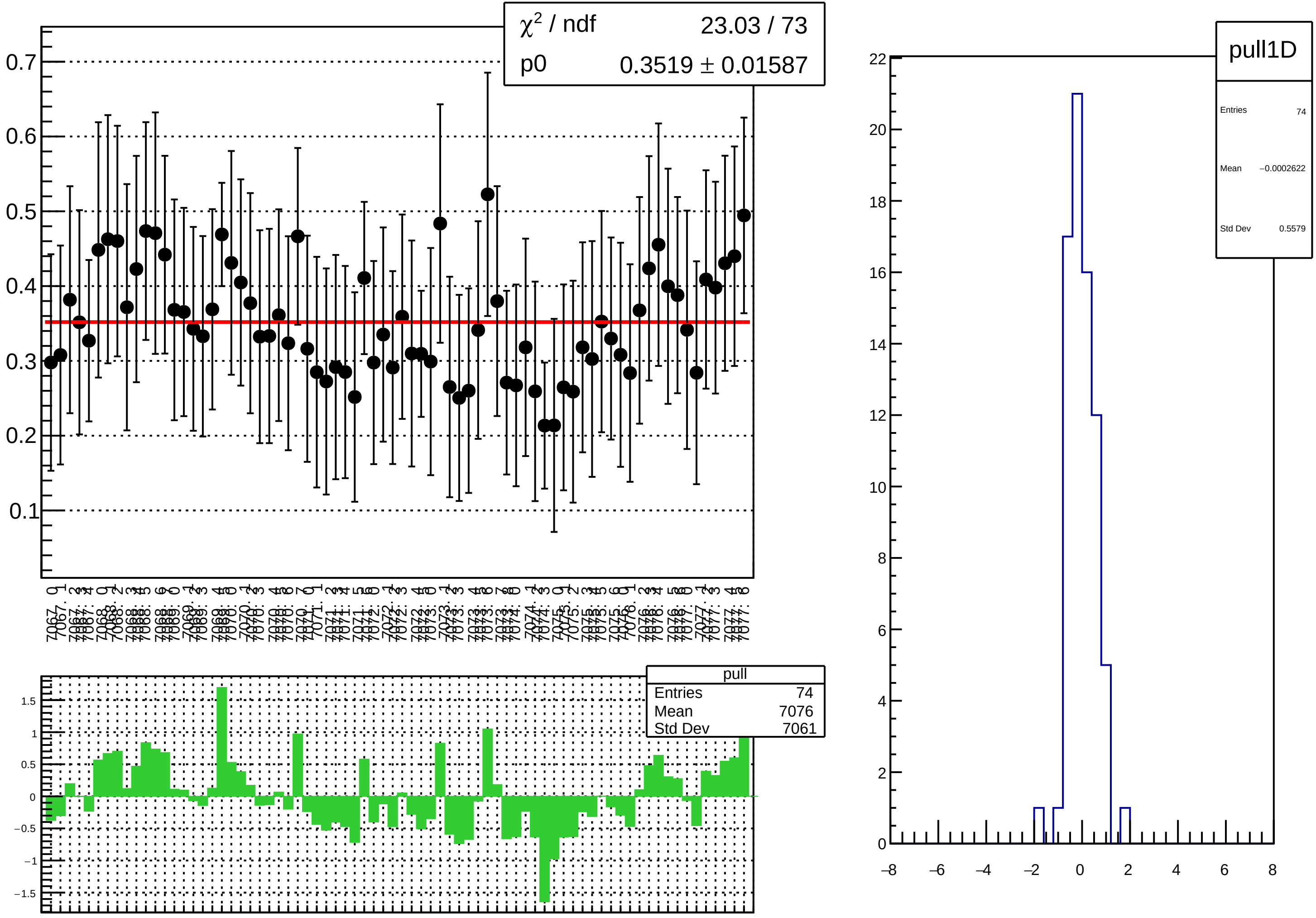


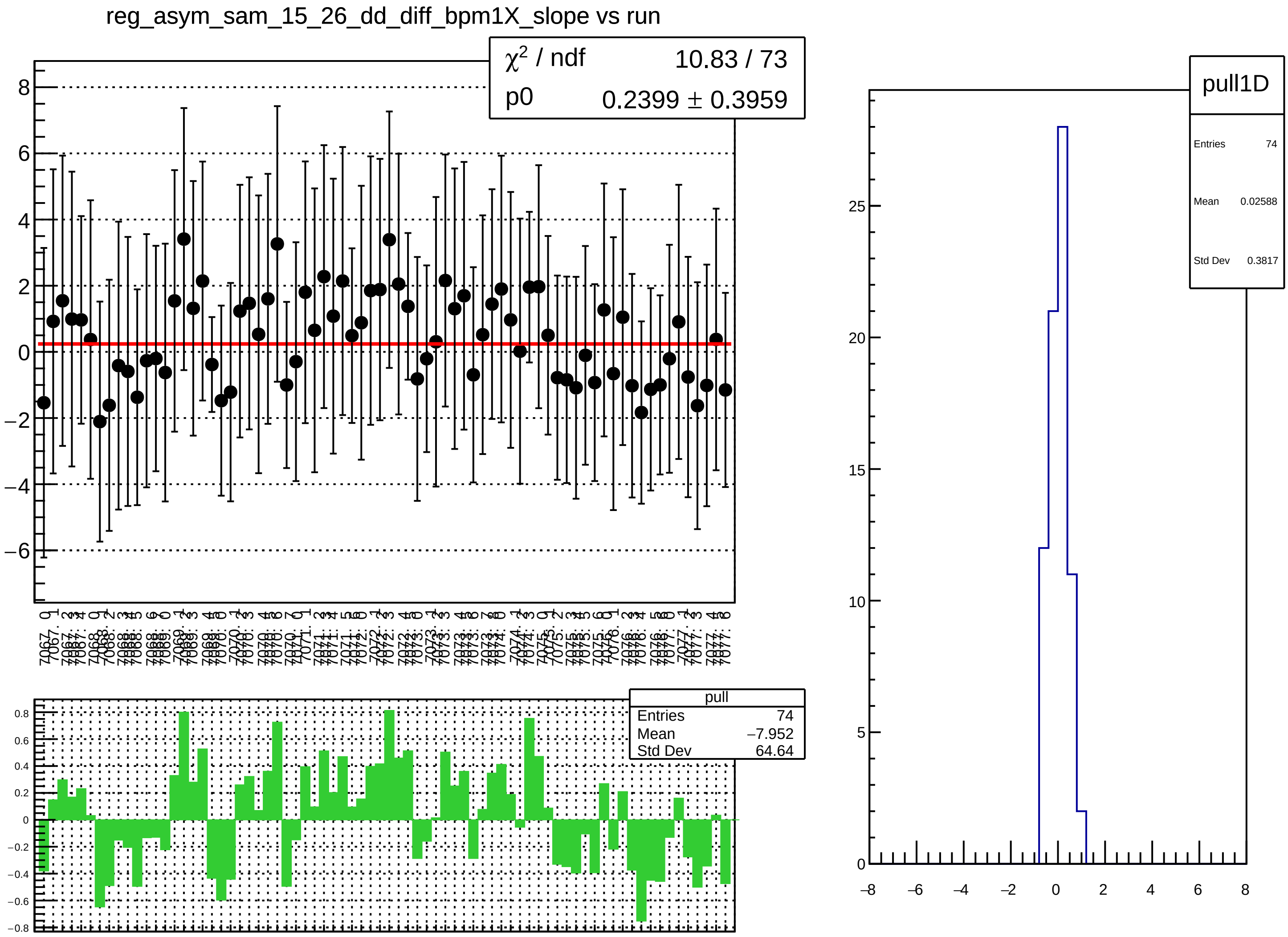
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 486.8 / 73
p0 −2.34 ± 0.4038
pull
Entries 74
Mean 23.04
Std Dev 19.14
pull1D
Entries 74
Mean 0.5232
Std Dev 2.243



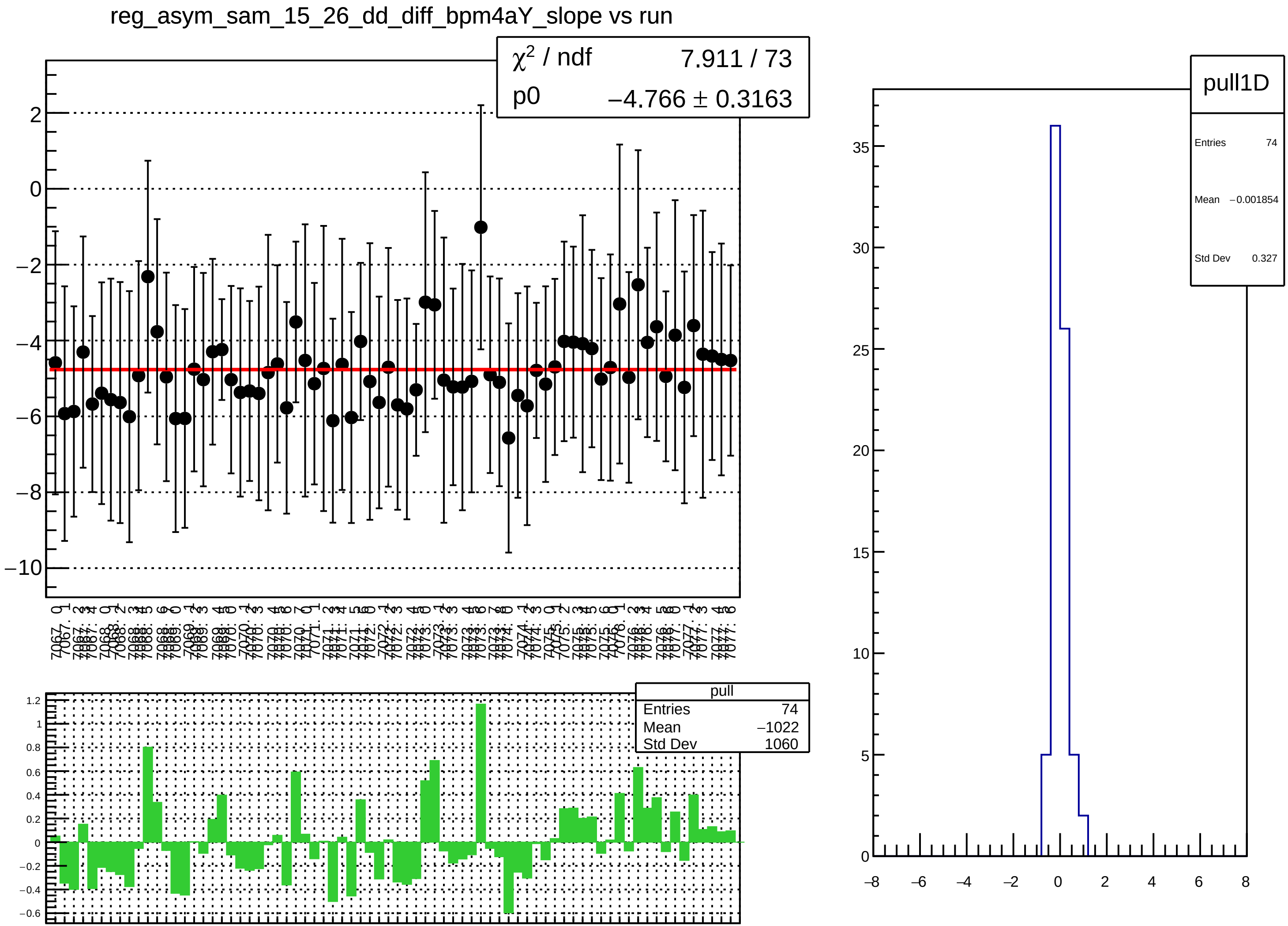
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 144.9 / 73
p0 −56.5 ± 0.3491
pull
Entries 74
Mean −30.59
Std Dev 80.48
pull1D
Entries 74
Mean −0.06929
Std Dev 1.398

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run

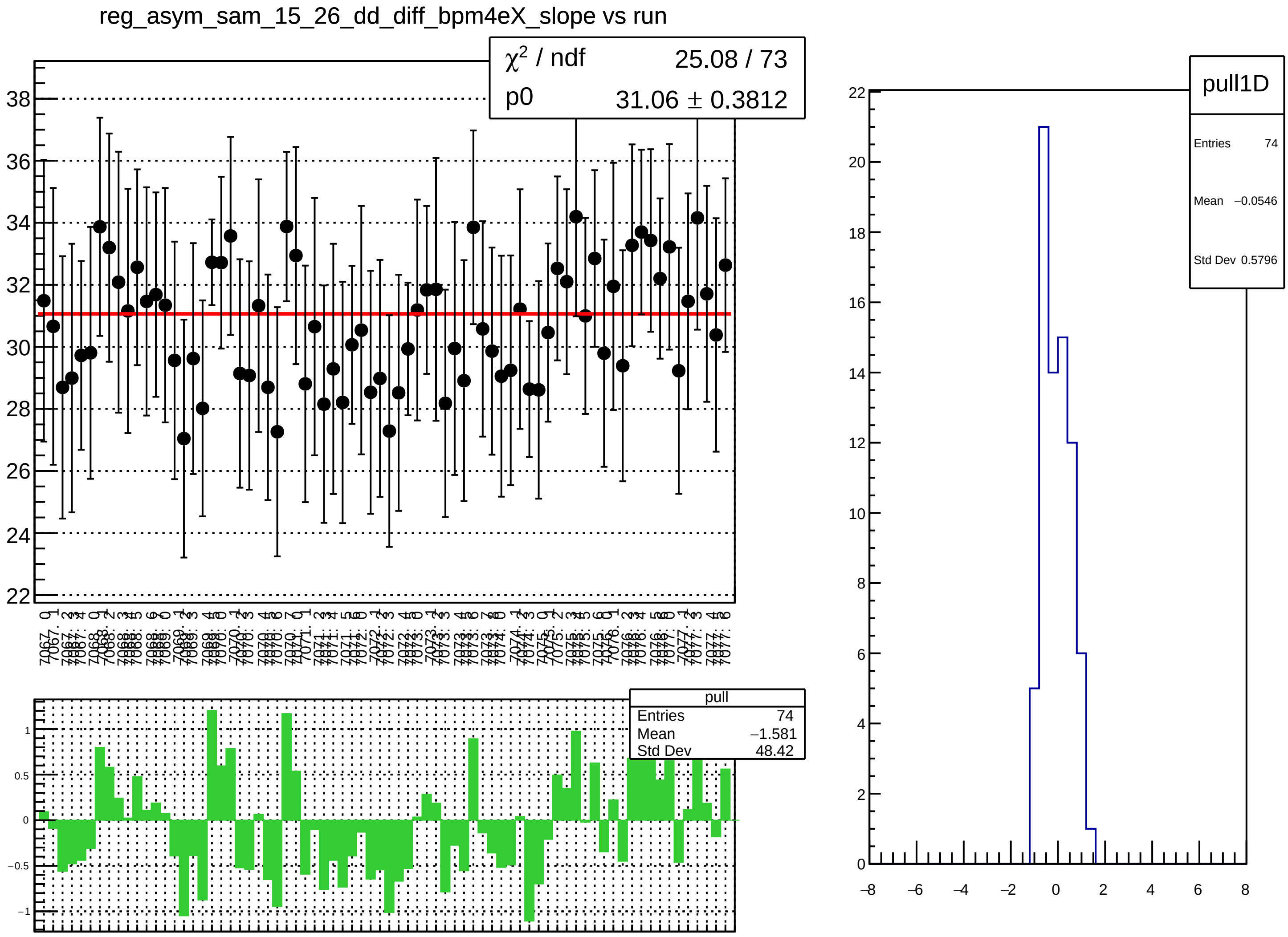


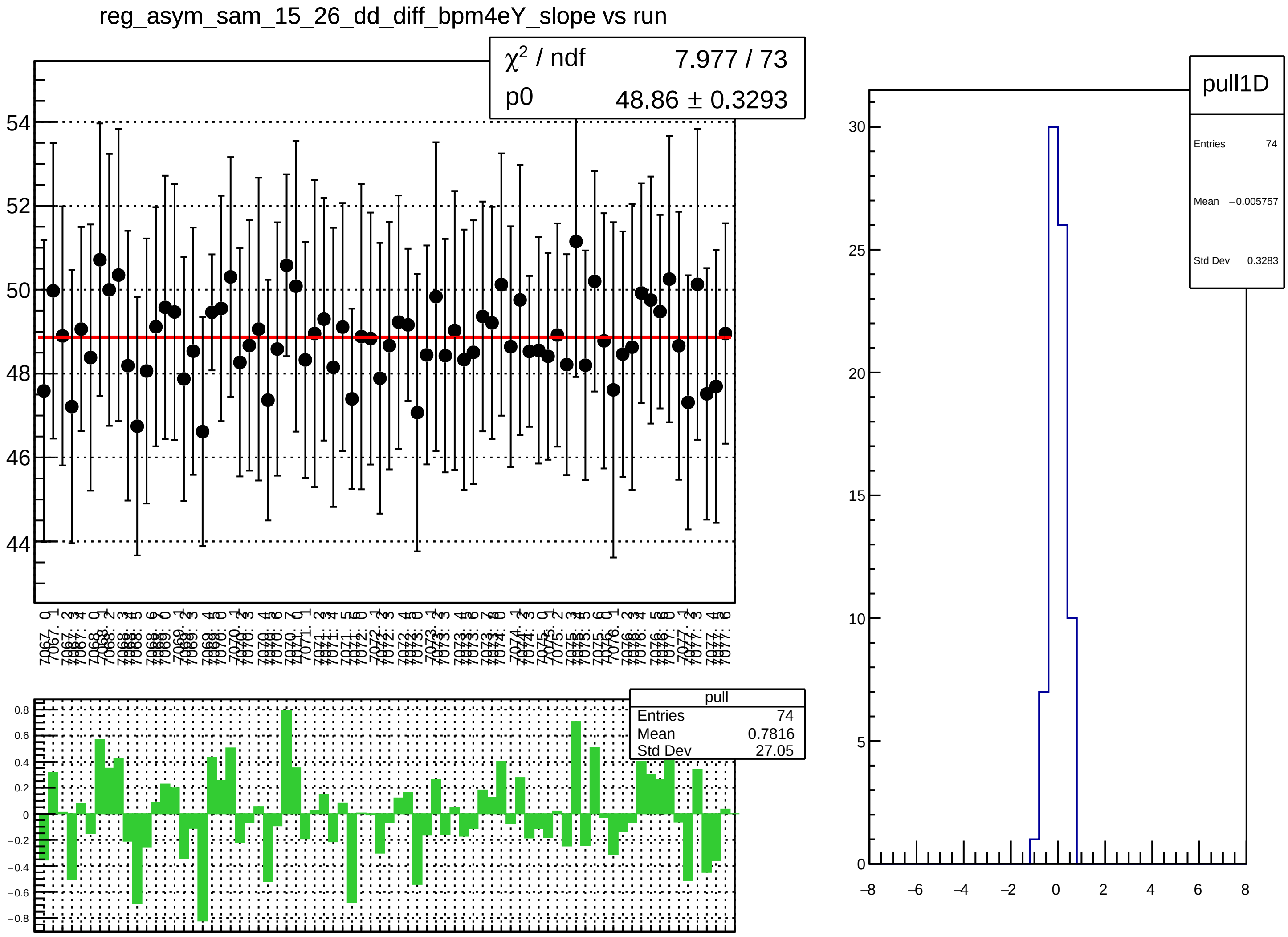


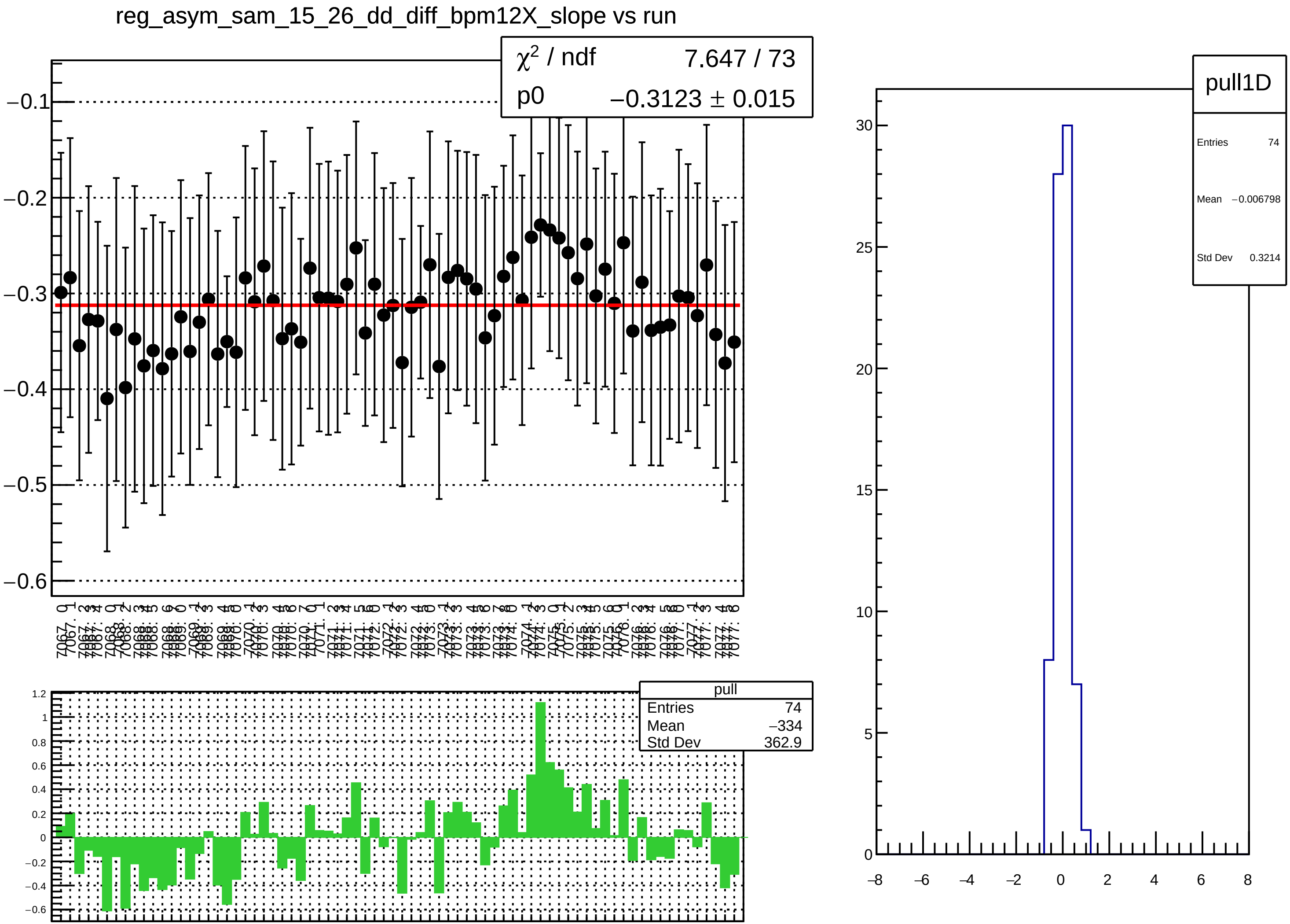
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.83 / 73
p0 0.2399 ± 0.3959
pull
Entries 74
Mean −7.952
Std Dev 64.64
pull1D
Entries 74
Mean 0.02588
Std Dev 0.3817

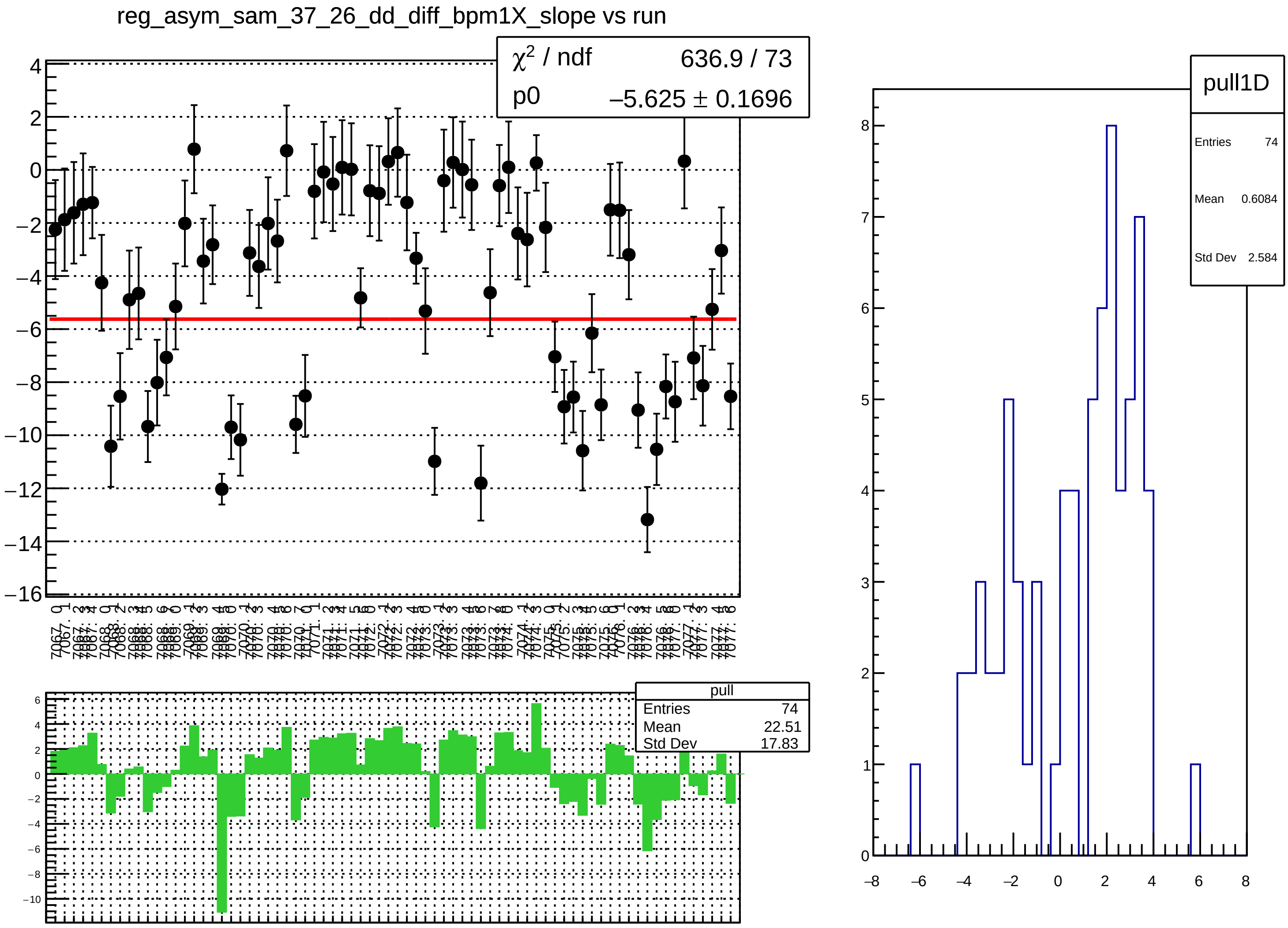


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.911 / 73
p0 −4.766 ± 0.3163
pull
Entries 74
Mean −1022
Std Dev 1060
pull1D
Entries 74
Mean −0.001854
Std Dev 0.327

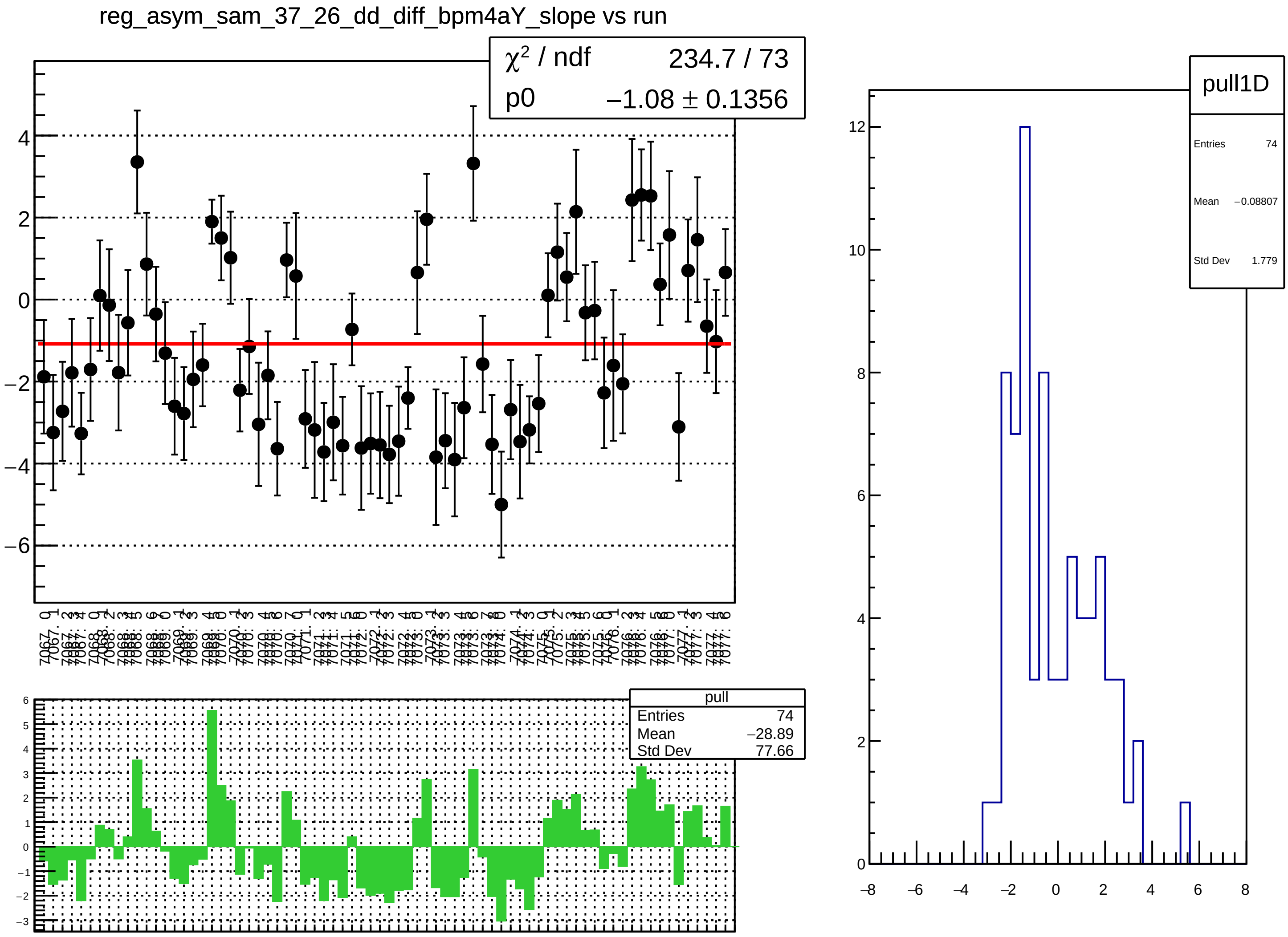

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 25.08 / 73
p0 31.06 ± 0.3812
pull
Entries 74
Mean −1.581
Std Dev 48.42
pull1D
Entries 74
Mean −0.0546
Std Dev 0.5796


reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.977 / 73
p0 48.86 ± 0.3293
pull
Entries 74
Mean 0.7816
Std Dev 27.05
pull1D
Entries 74
Mean −0.005757
Std Dev 0.3283

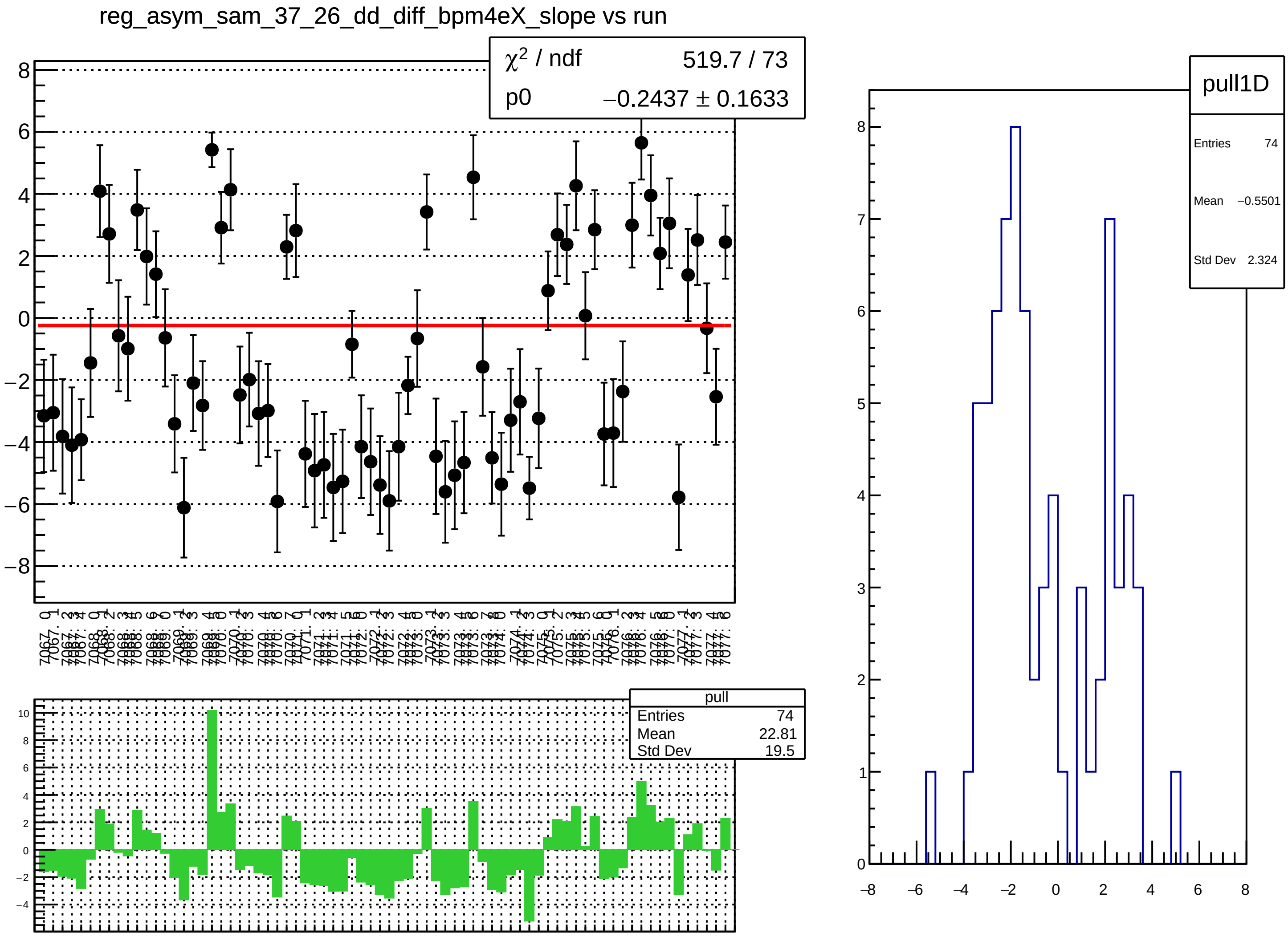

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ2 / ndf 7.647 / 73
p0 −0.3123 ± 0.015
pull
Entries 74
Mean −334
Std Dev 362.9
pull1D
Entries 74
Mean −0.006798
Std Dev 0.3214



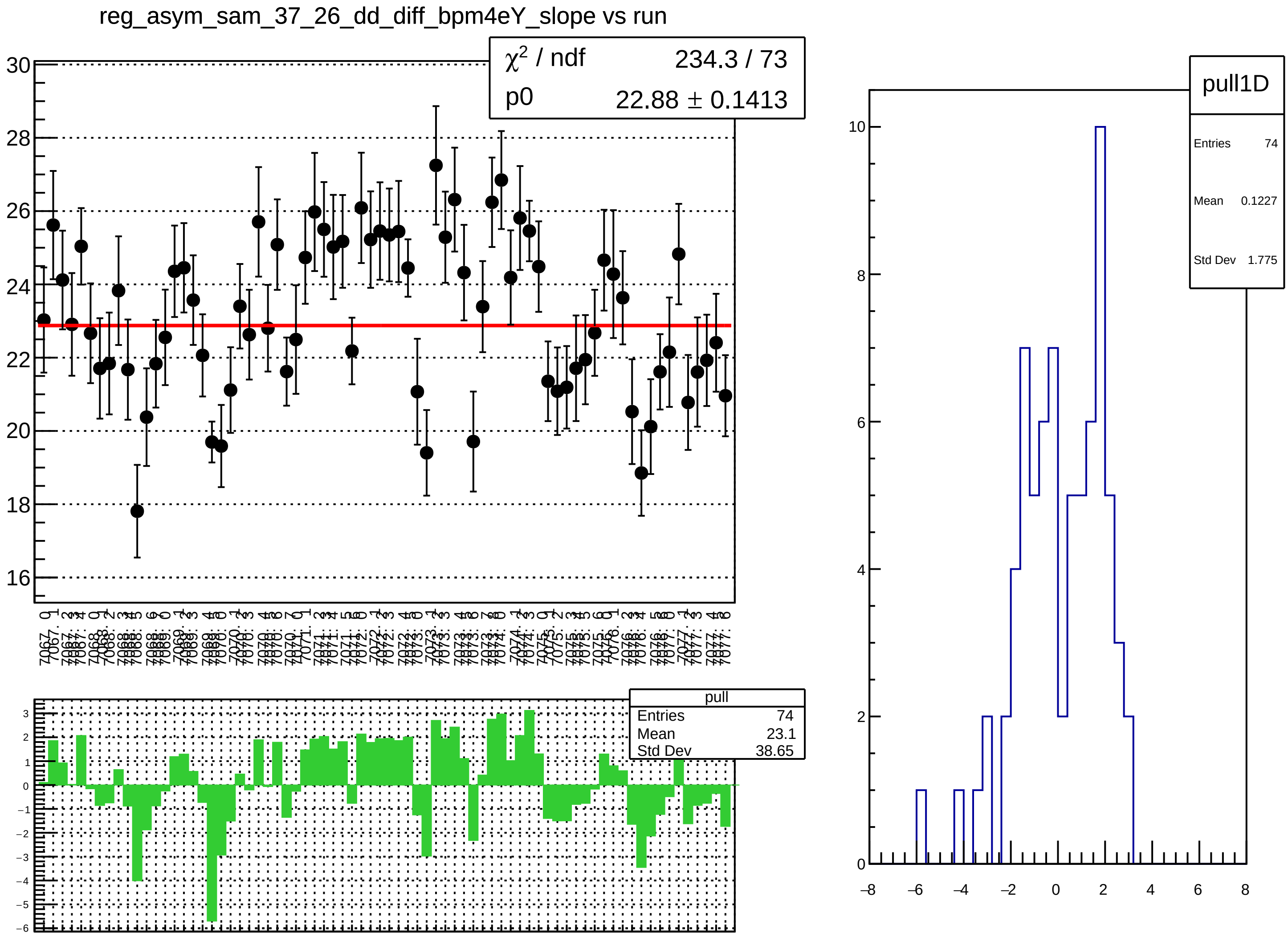
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 636.9 / 73
p0 −5.625 ± 0.1696
pull
Entries 74
Mean 22.51
Std Dev 17.83
pull1D
Entries 74
Mean 0.6084
Std Dev 2.584



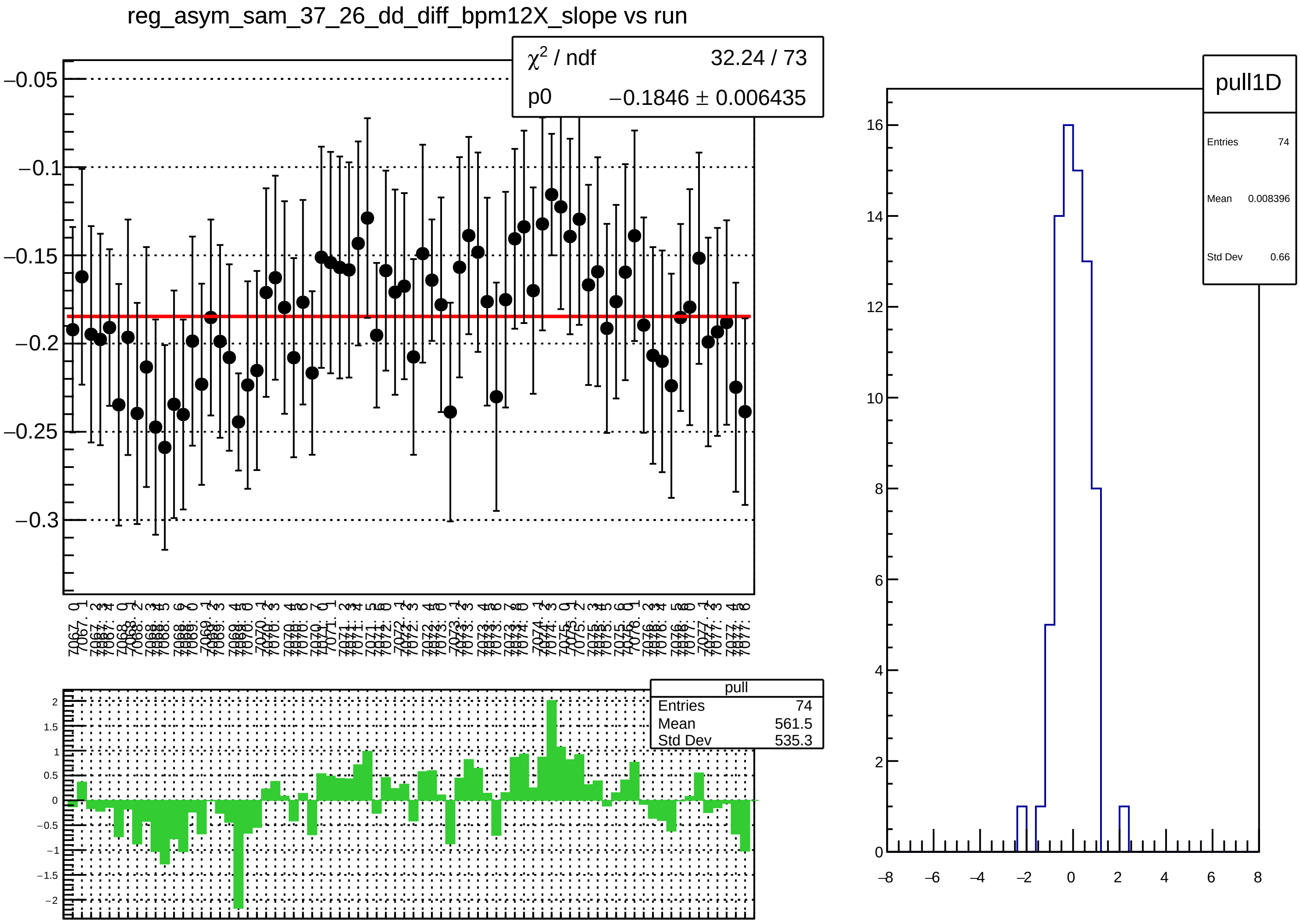
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 234.7 / 73
p0 −1.08 ± 0.1356
pull
Entries 74
Mean −28.89
Std Dev 77.66
pull1D
Entries 74
Mean −0.08807
Std Dev 1.779

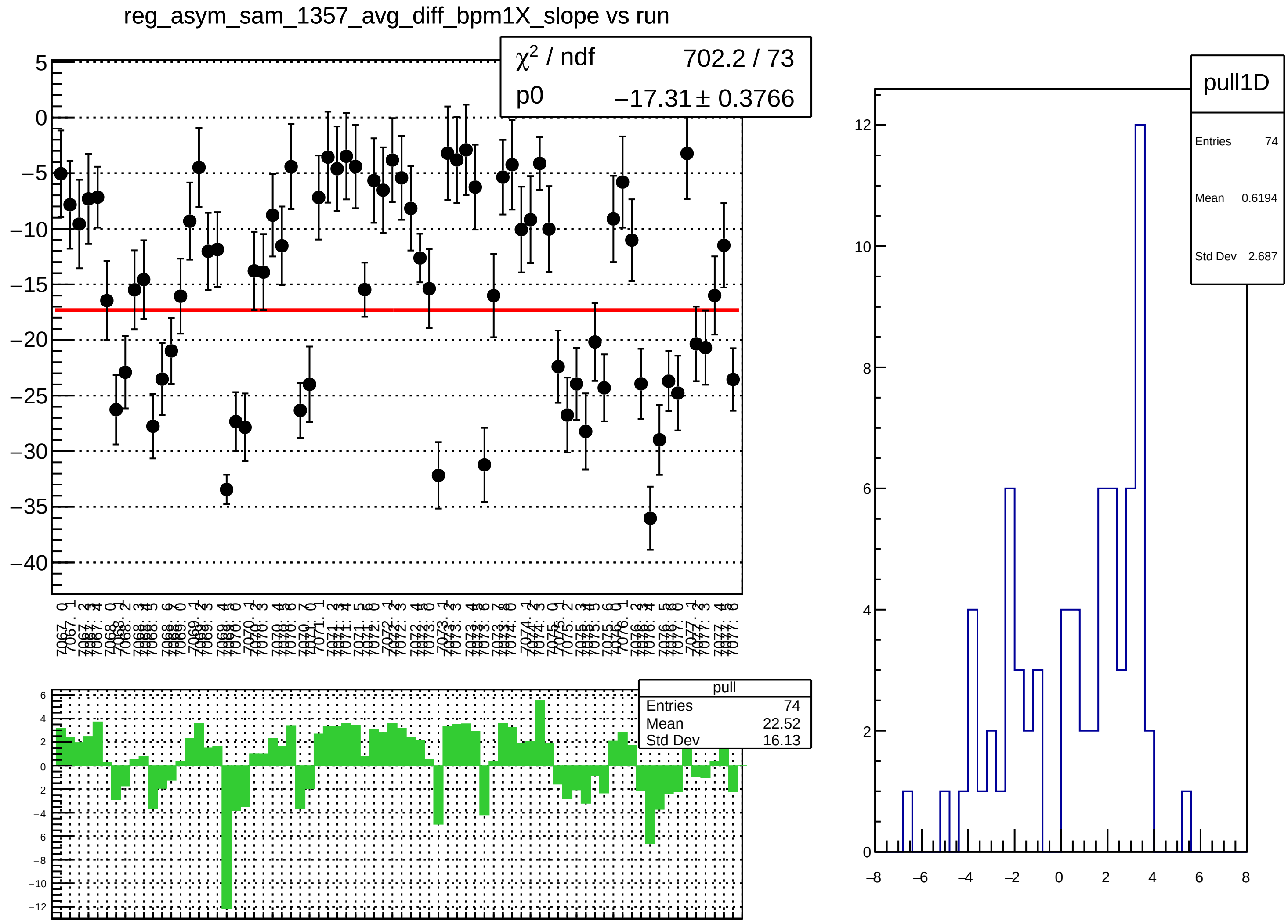


reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 519.7 / 73
p0 −0.2437 ± 0.1633
pull
Entries 74
Mean 22.81
Std Dev 19.5
pull1D
Entries 74
Mean −0.5501
Std Dev 2.324

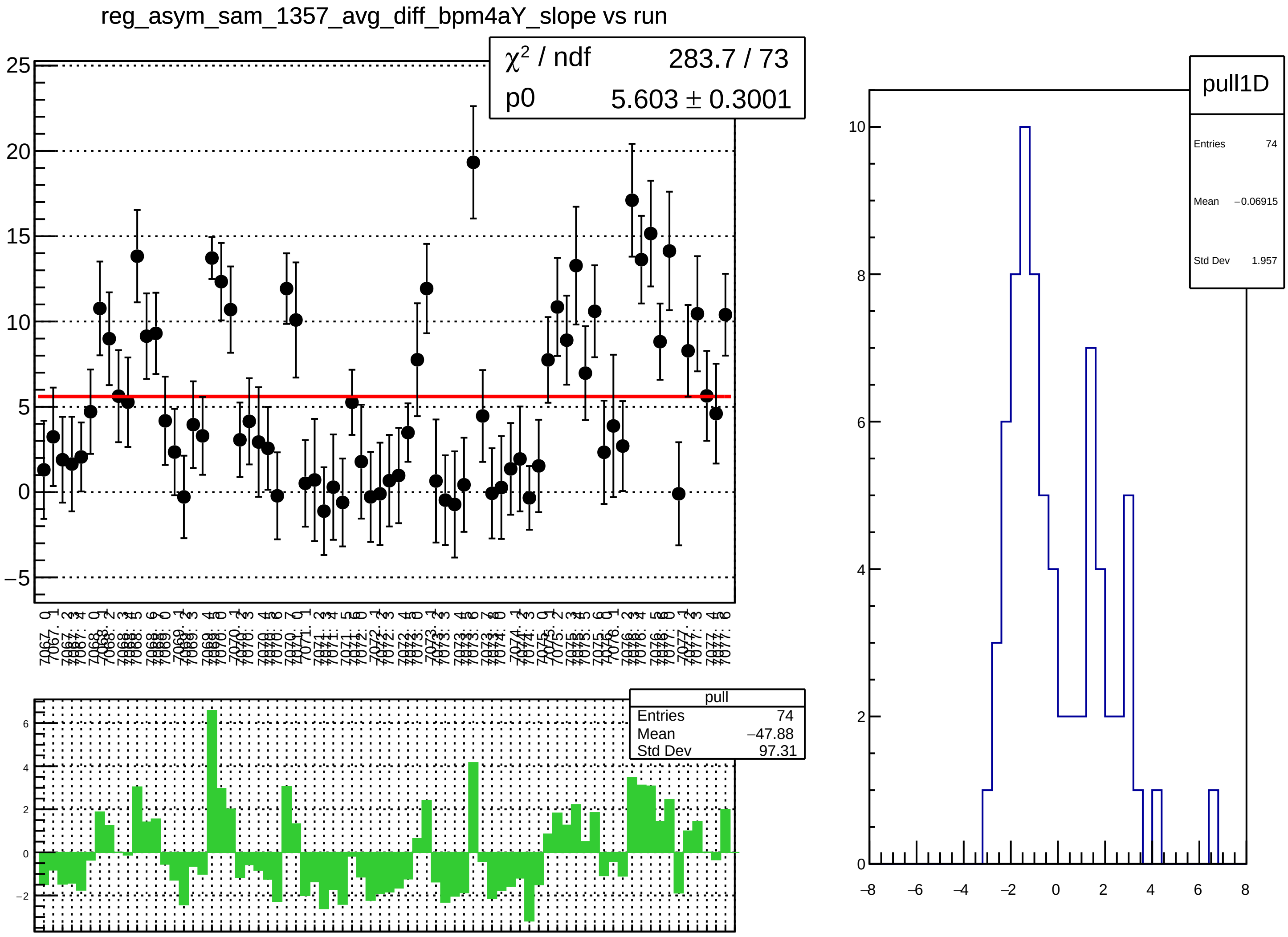


reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 234.3 / 73
p0 22.88 ± 0.1413
pull
Entries 74
Mean 23.1
Std Dev 38.65
pull1D
Entries 74
Mean 0.1227
Std Dev 1.775

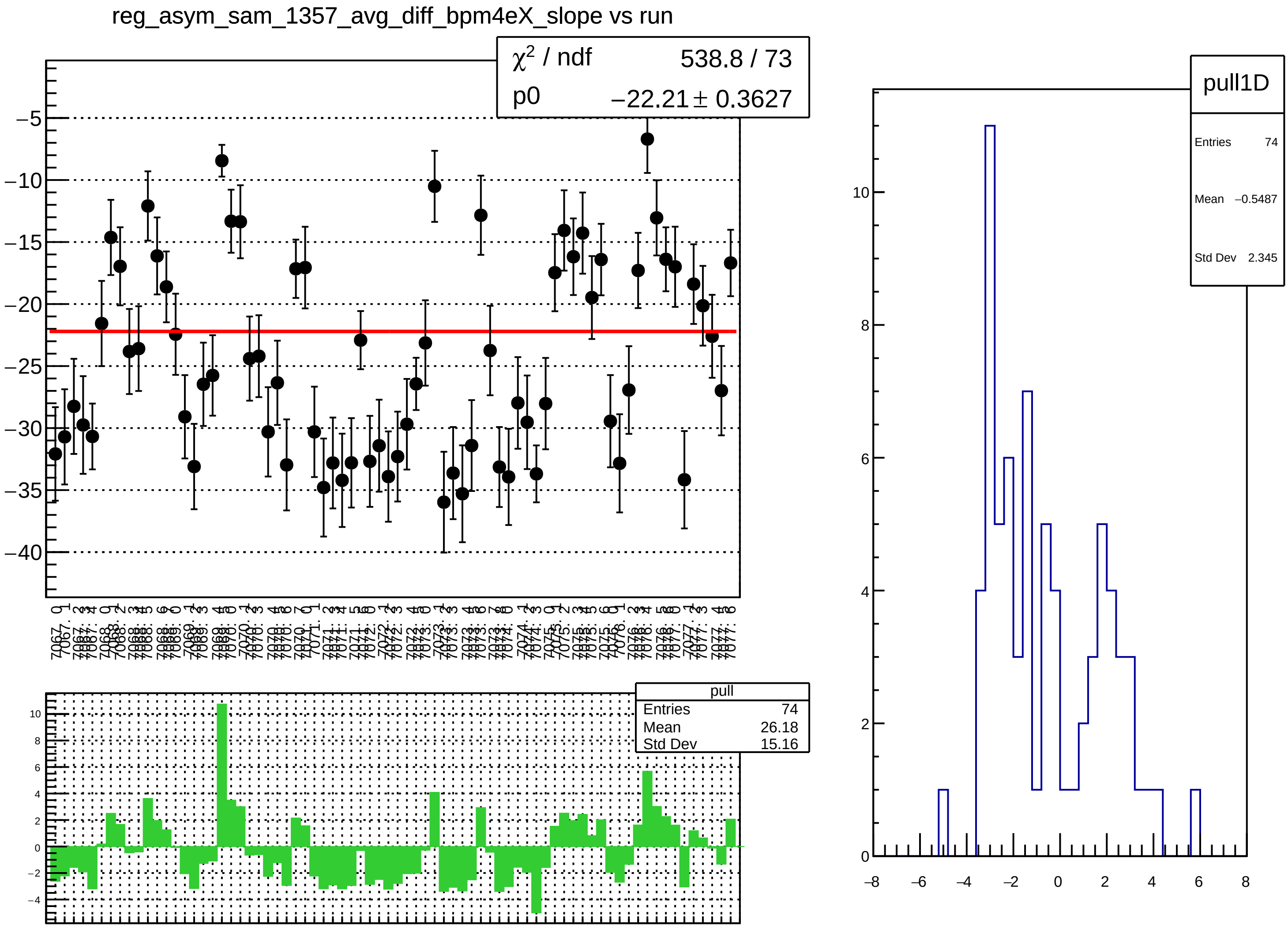

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 32.24 / 73
p0 −0.1846 ± 0.006435
pull
Entries 74
Mean 561.5
Std Dev 535.3
pull1D
Entries 74
Mean 0.008396
Std Dev 0.66



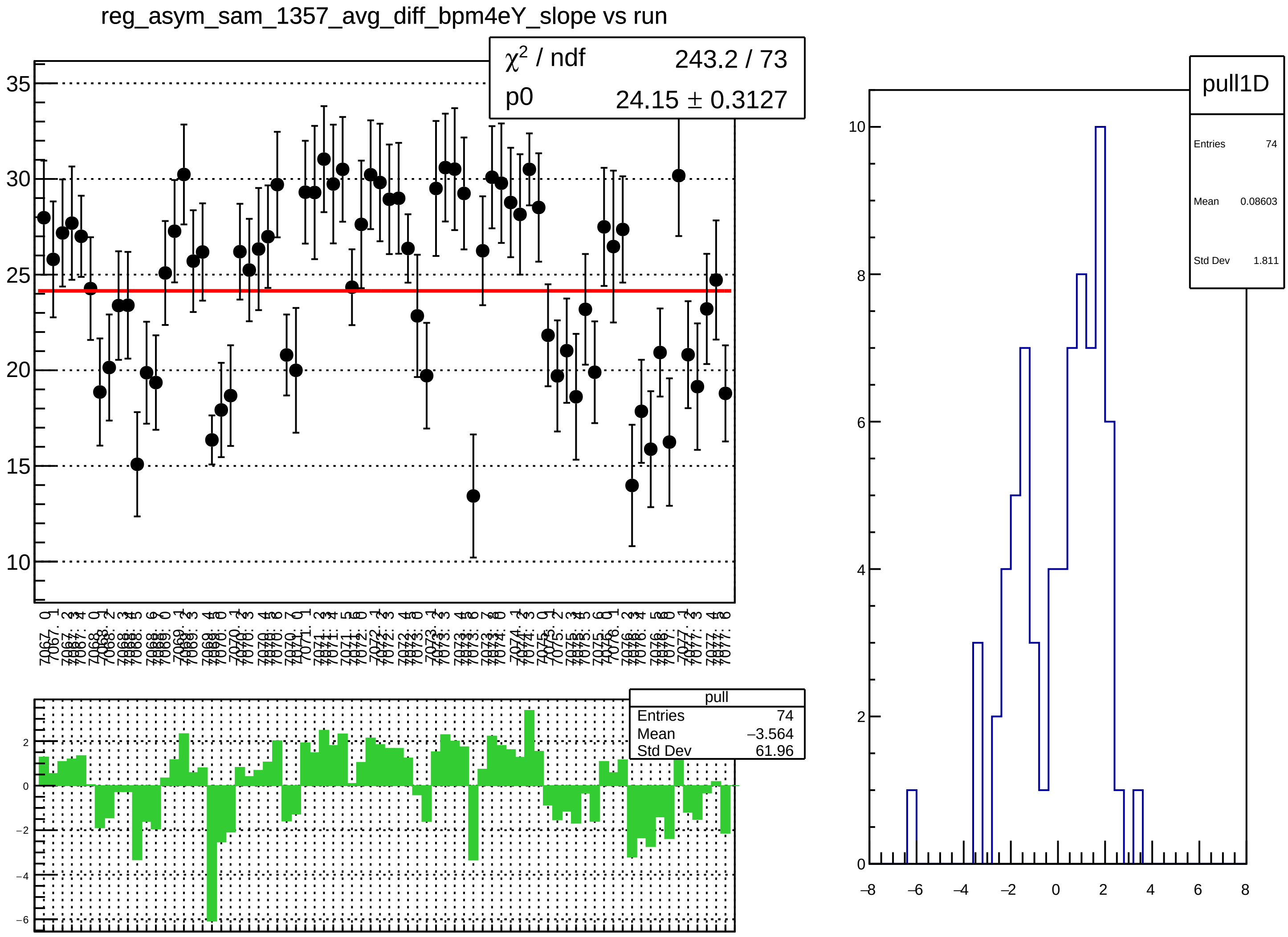
reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 702.2 / 73
p0 −17.31 ± 0.3766
pull
Entries 74
Mean 22.52
Std Dev 16.13
pull1D
Entries 74
Mean 0.6194
Std Dev 2.687



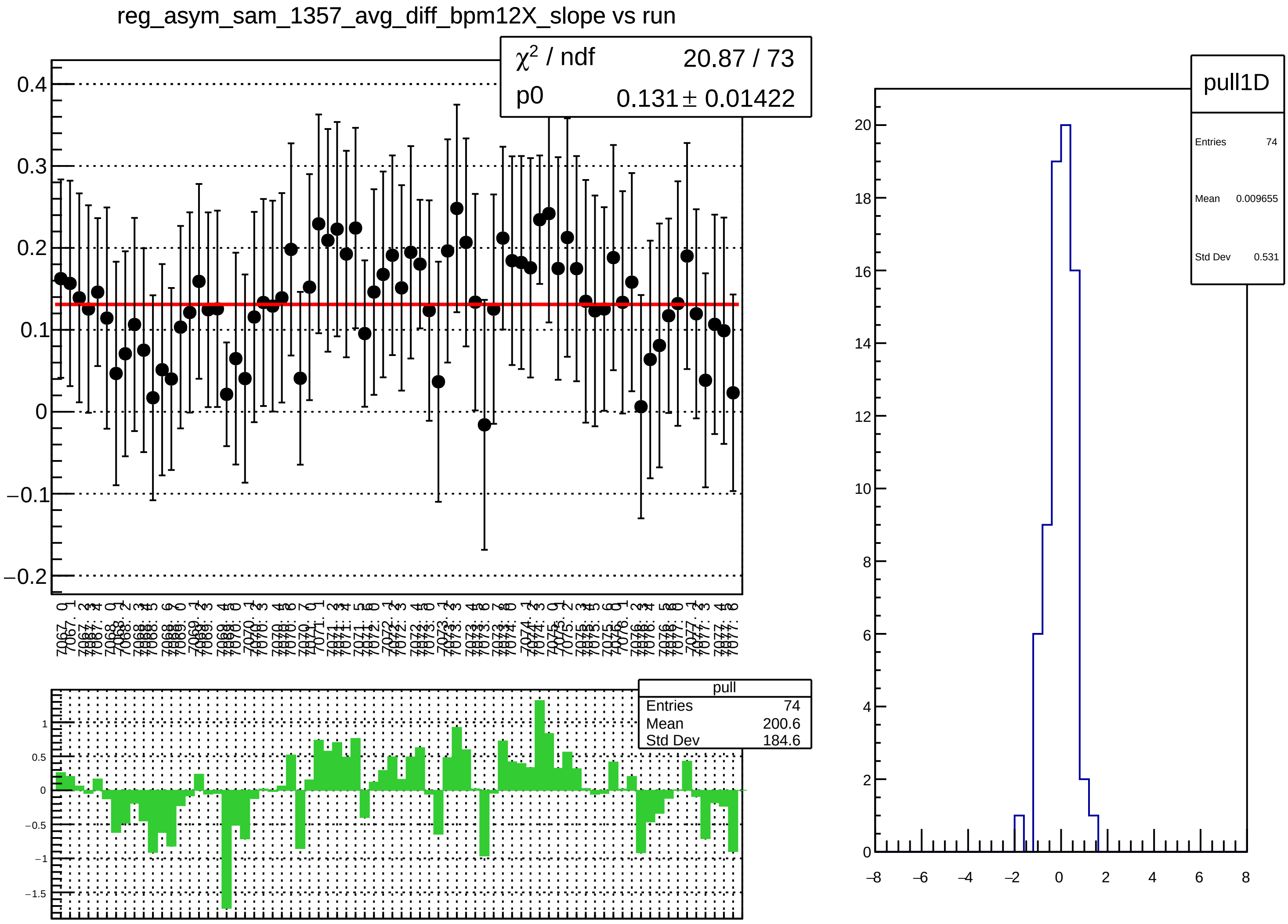
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 283.7 / 73
p0 5.603 ± 0.3001
pull
Entries 74
Mean −47.88
Std Dev 97.31
pull1D
Entries 74
Mean −0.06915
Std Dev 1.957



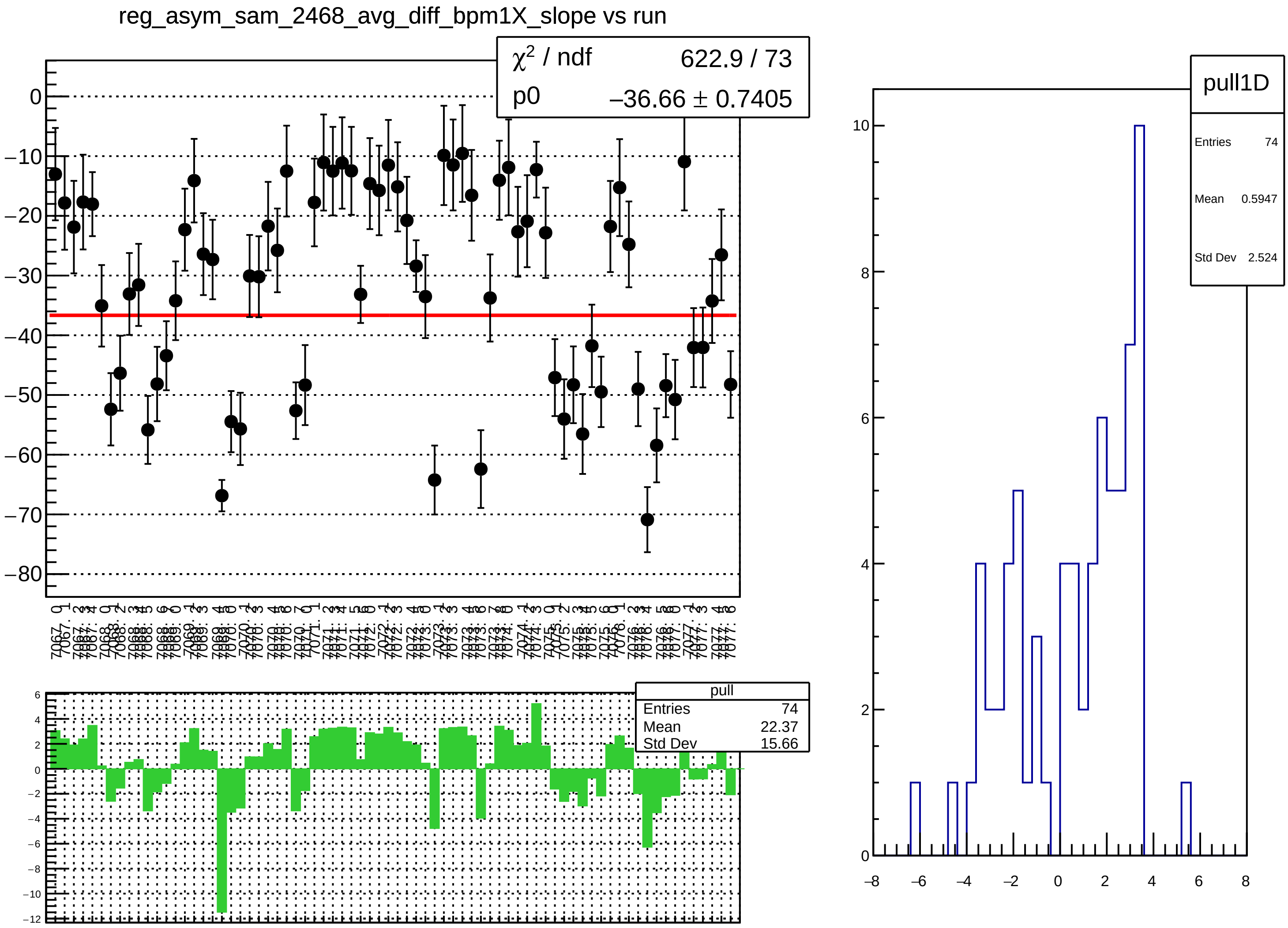
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 538.8 / 73
p0 −22.21 ± 0.3627
pull
Entries 74
Mean 26.18
Std Dev 15.16
pull1D
Entries 74
Mean −0.5487
Std Dev 2.345



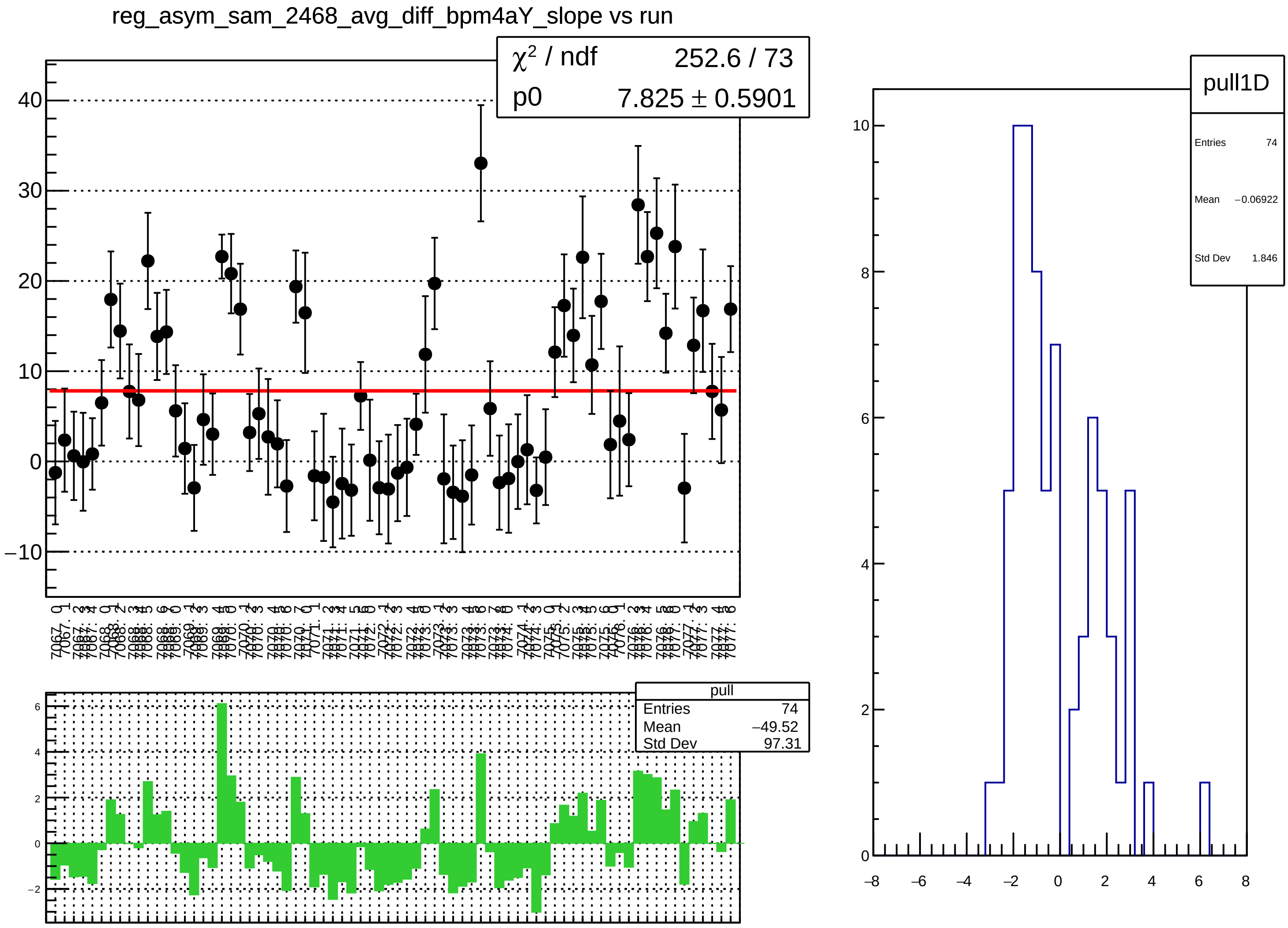
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ2 / ndf 243.2 / 73
p0 24.15 ± 0.3127
pull
Entries 74
Mean −3.564
Std Dev 61.96
pull1D
Entries 74
Mean 0.08603
Std Dev 1.811



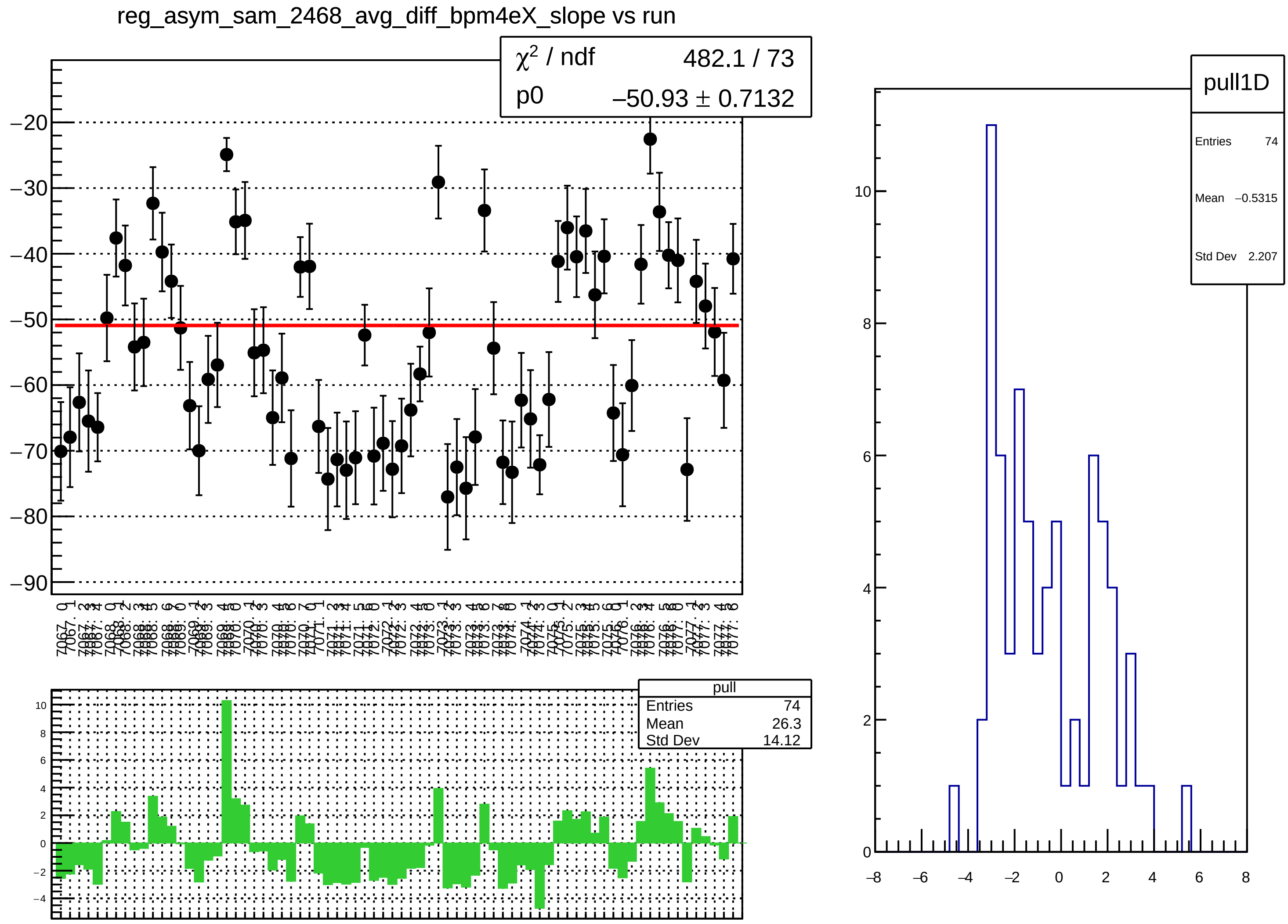
reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 20.87 / 73
p0 0.131 ± 0.01422
pull
Entries 74
Mean 200.6
Std Dev 184.6
pull1D
Entries 74
Mean 0.009655
Std Dev 0.531

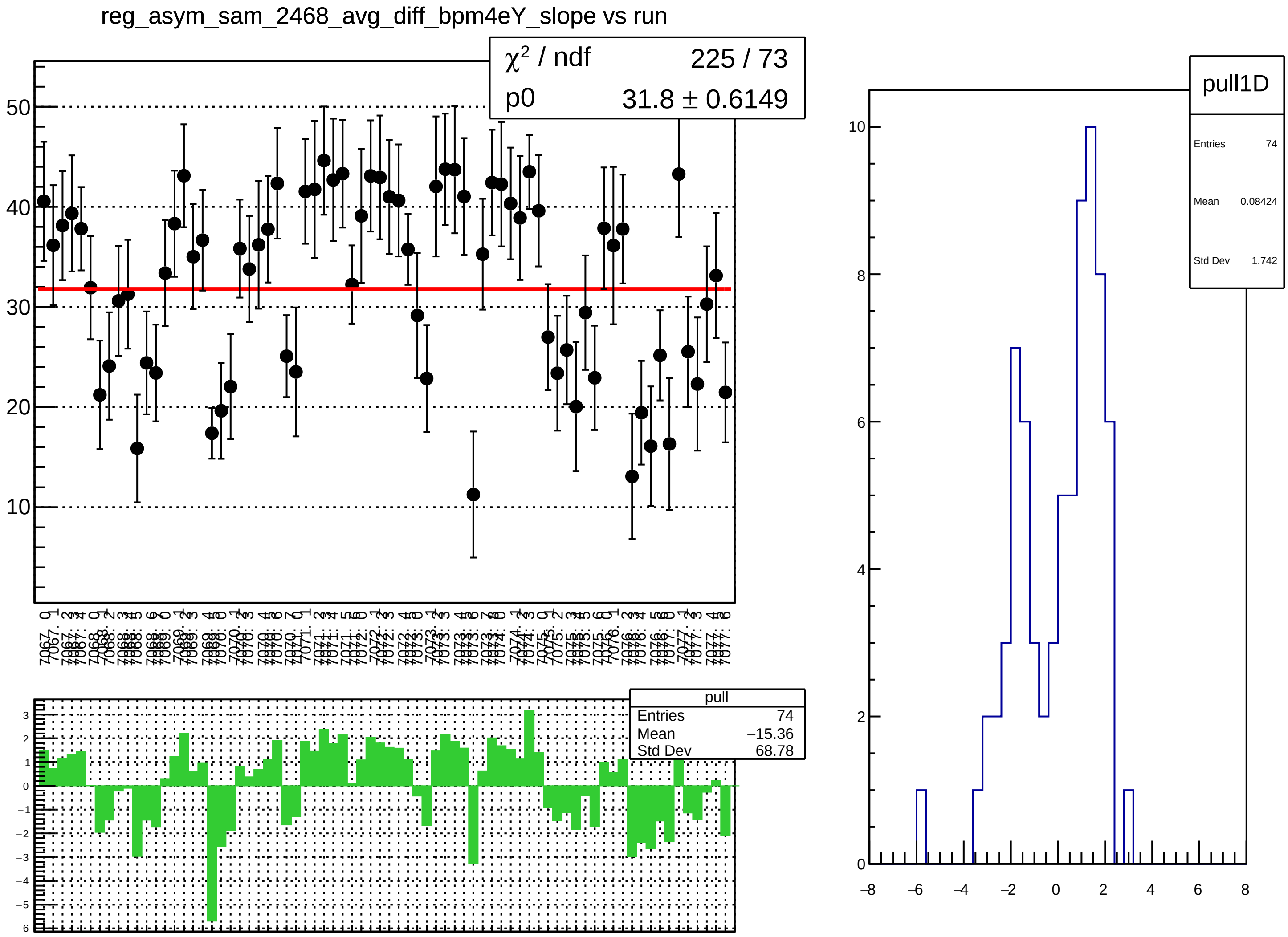


reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 622.9 / 73
p0 −36.66 ± 0.7405
pull
Entries 74
Mean 22.37
Std Dev 15.66
pull1D
Entries 74
Mean 0.5947
Std Dev 2.524

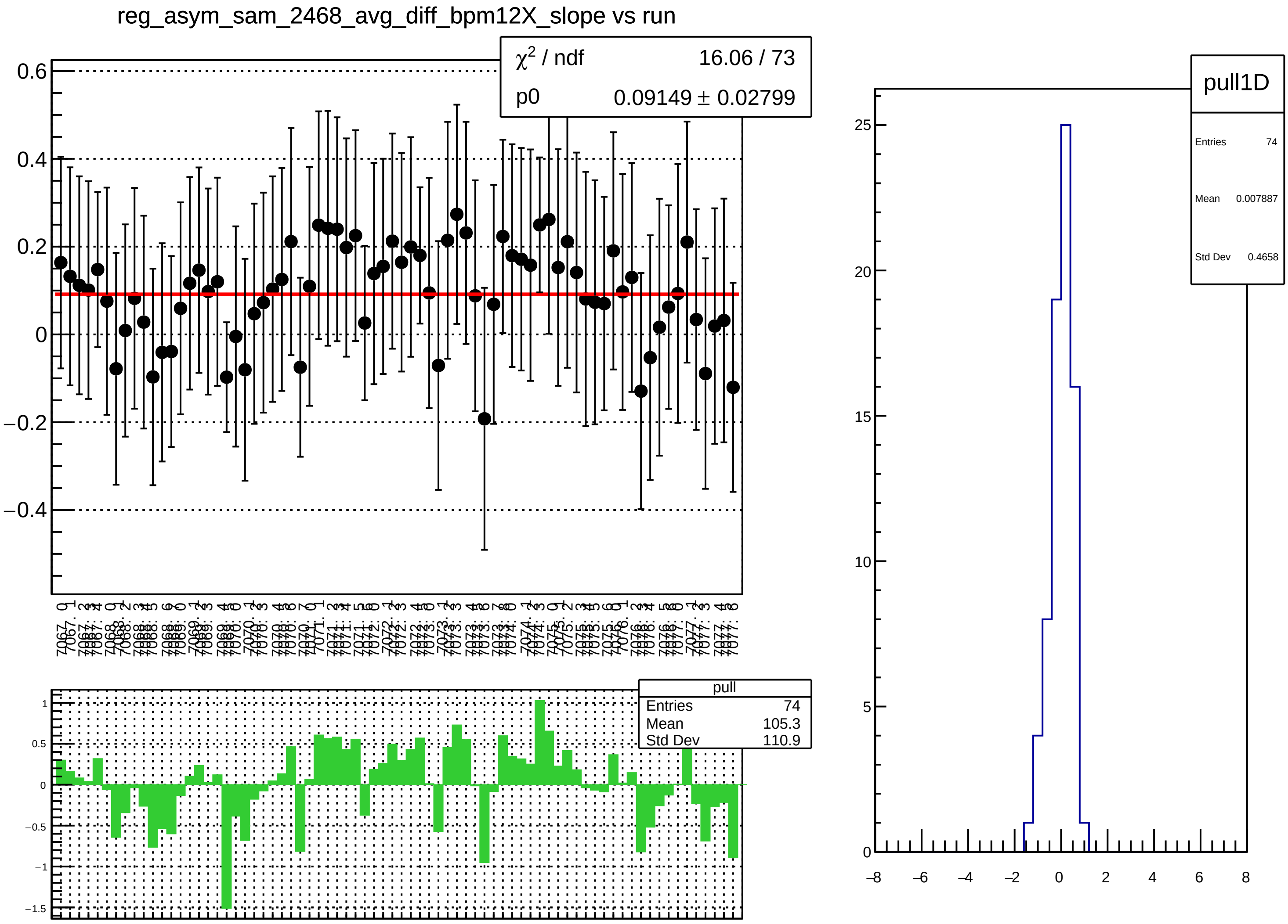


reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 252.6 / 73
p0 7.825 ± 0.5901
pull
Entries 74
Mean −49.52
Std Dev 97.31
pull1D
Entries 74
Mean −0.06922
Std Dev 1.846

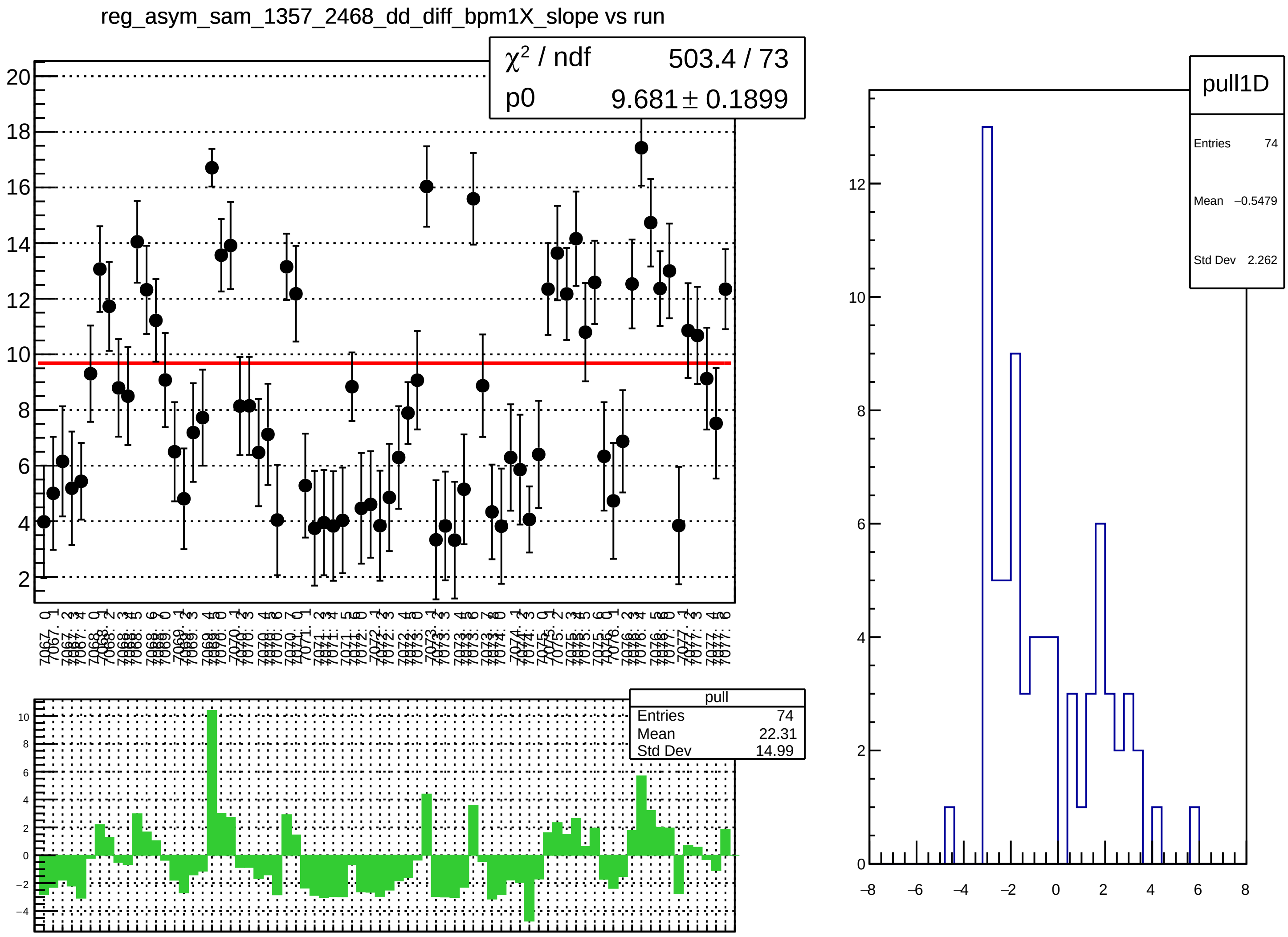

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ2 / ndf 482.1 / 73
p0 −50.93 ± 0.7132
−20
−30
−40
−50
−60
−70
−80
−90
pull
Entries 74
Mean 26.3
Std Dev 14.12
10
8
6
4
2
0
−2
−4
pull1D
Entries 74
Mean −0.5315
Std Dev 2.207
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



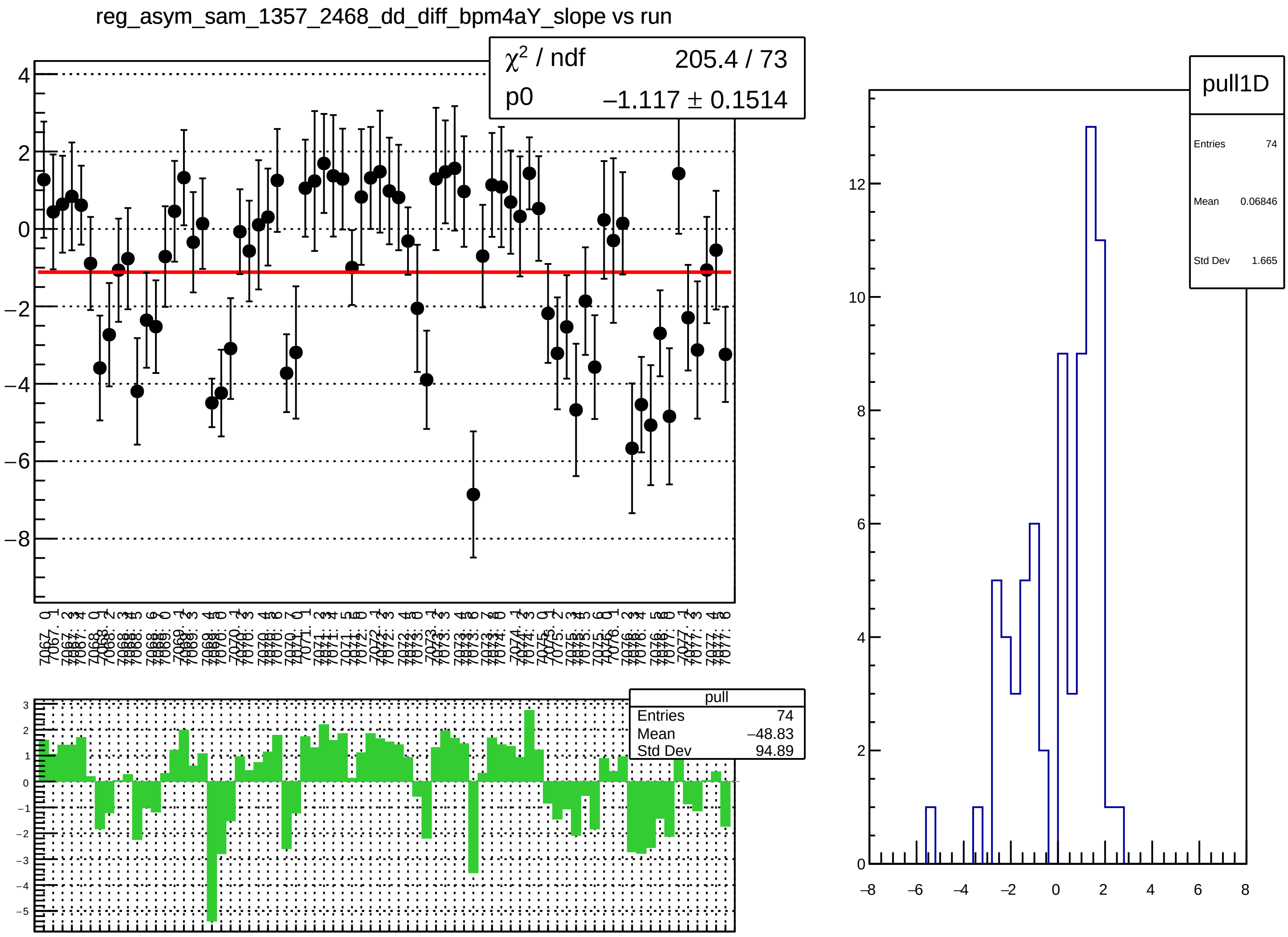
reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 225 / 73
p0 31.8 ± 0.6149
pull
Entries 74
Mean −15.36
Std Dev 68.78
pull1D
Entries 74
Mean 0.08424
Std Dev 1.742



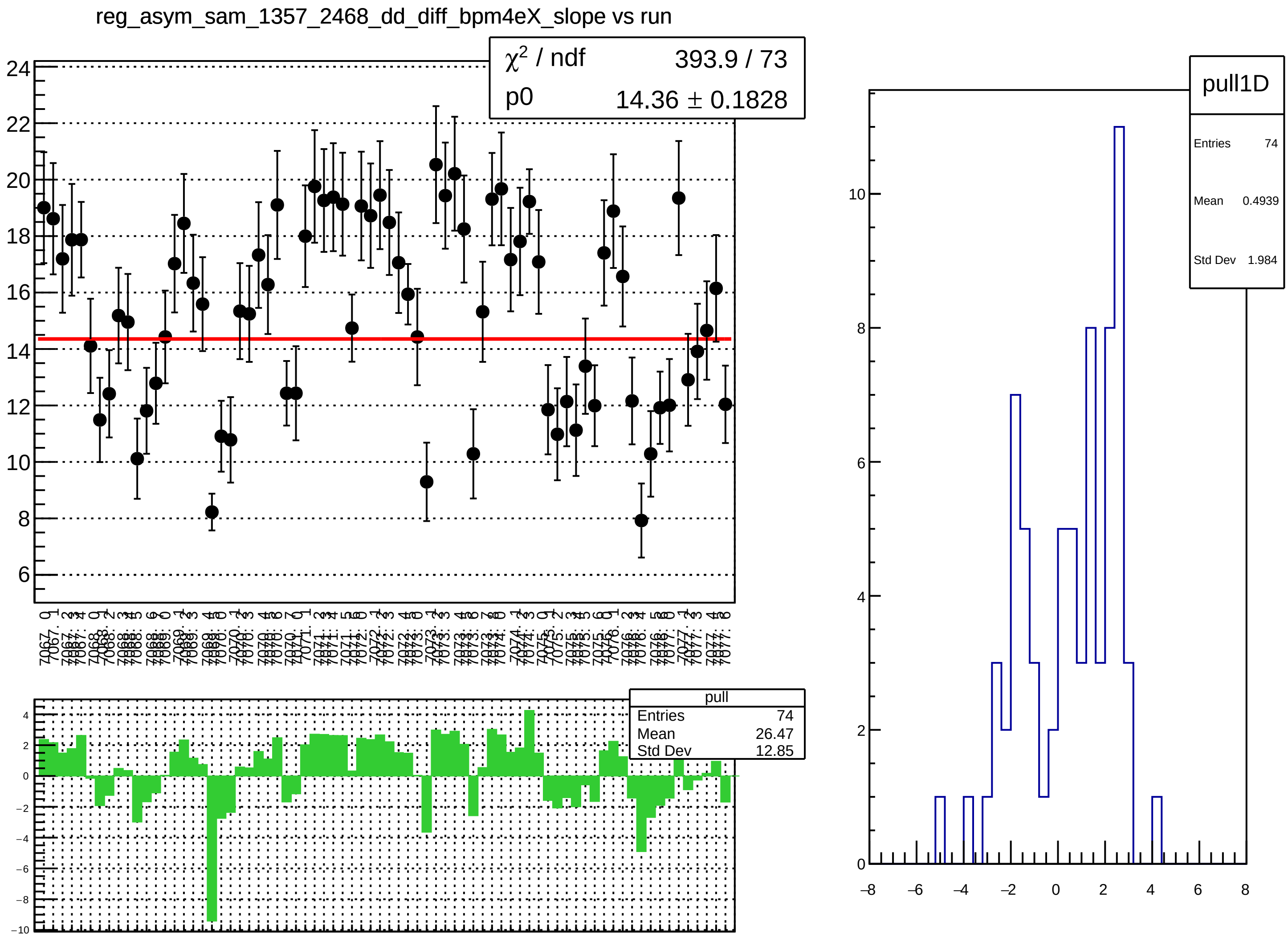
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 16.06 / 73
p0 0.09149 ± 0.02799
pull
Entries 74
Mean 105.3
Std Dev 110.9
pull1D
Entries 74
Mean 0.007887
Std Dev 0.4658



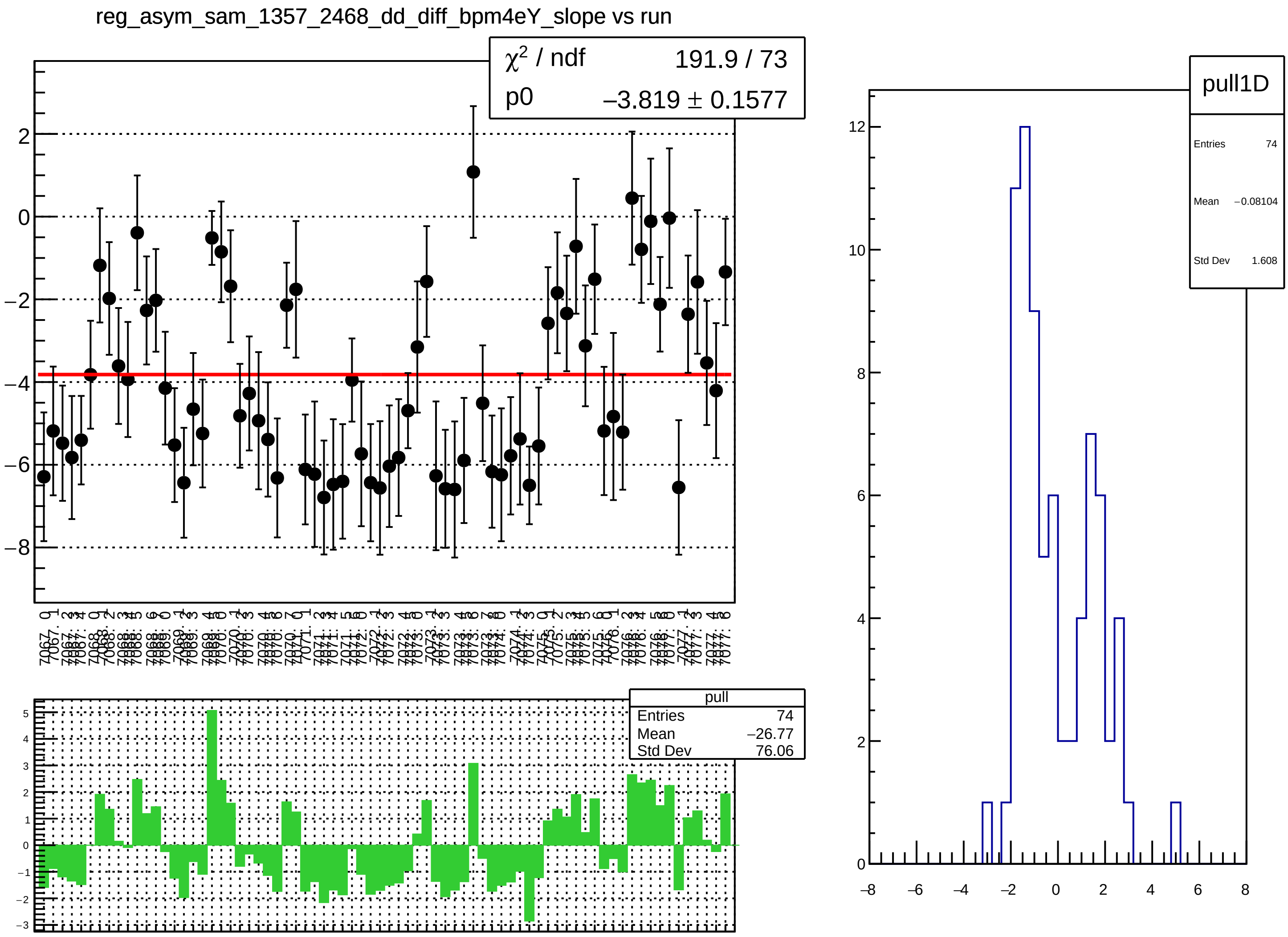
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ2 / ndf 503.4 / 73
p0 9.681 ± 0.1899
pull
Entries 74
Mean 22.31
Std Dev 14.99
pull1D
Entries 74
Mean −0.5479
Std Dev 2.262



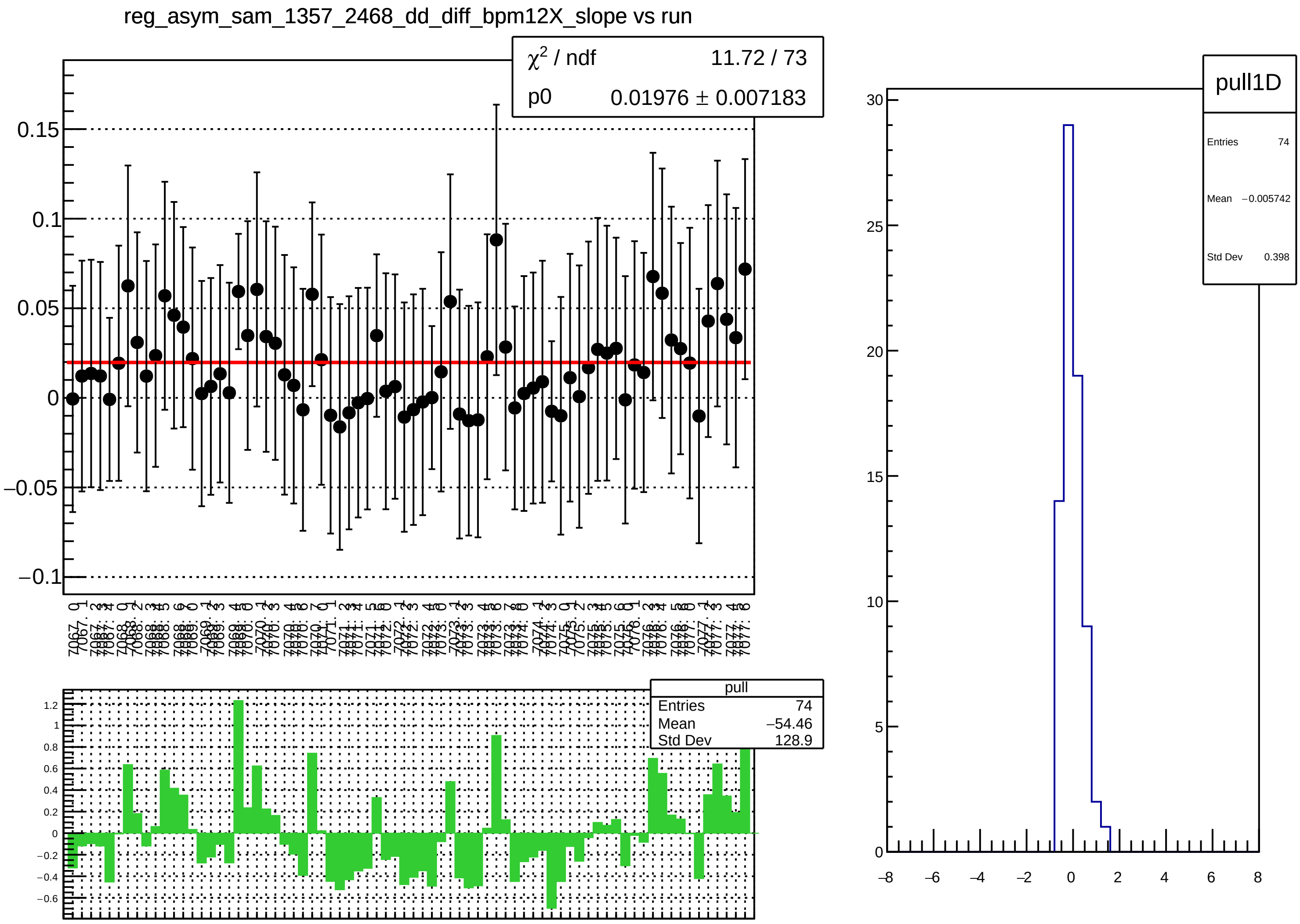
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 205.4 / 73
p0 −1.117 ± 0.1514
pull
Entries 74
Mean −48.83
Std Dev 94.89
pull1D
Entries 74
Mean 0.06846
Std Dev 1.665



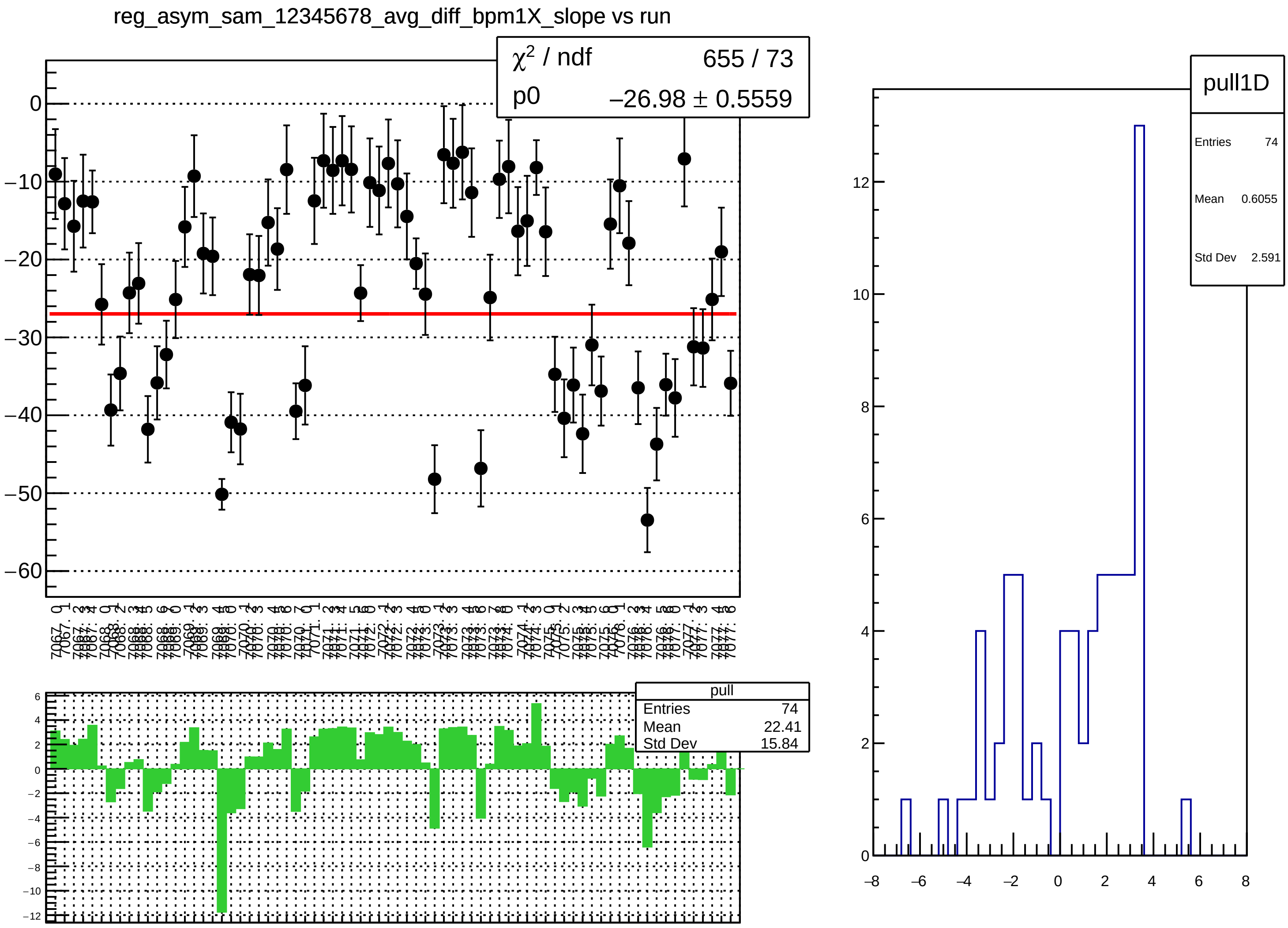
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 393.9 / 73
p0 14.36 ± 0.1828
pull
Entries 74
Mean 26.47
Std Dev 12.85
pull1D
Entries 74
Mean 0.4939
Std Dev 1.984

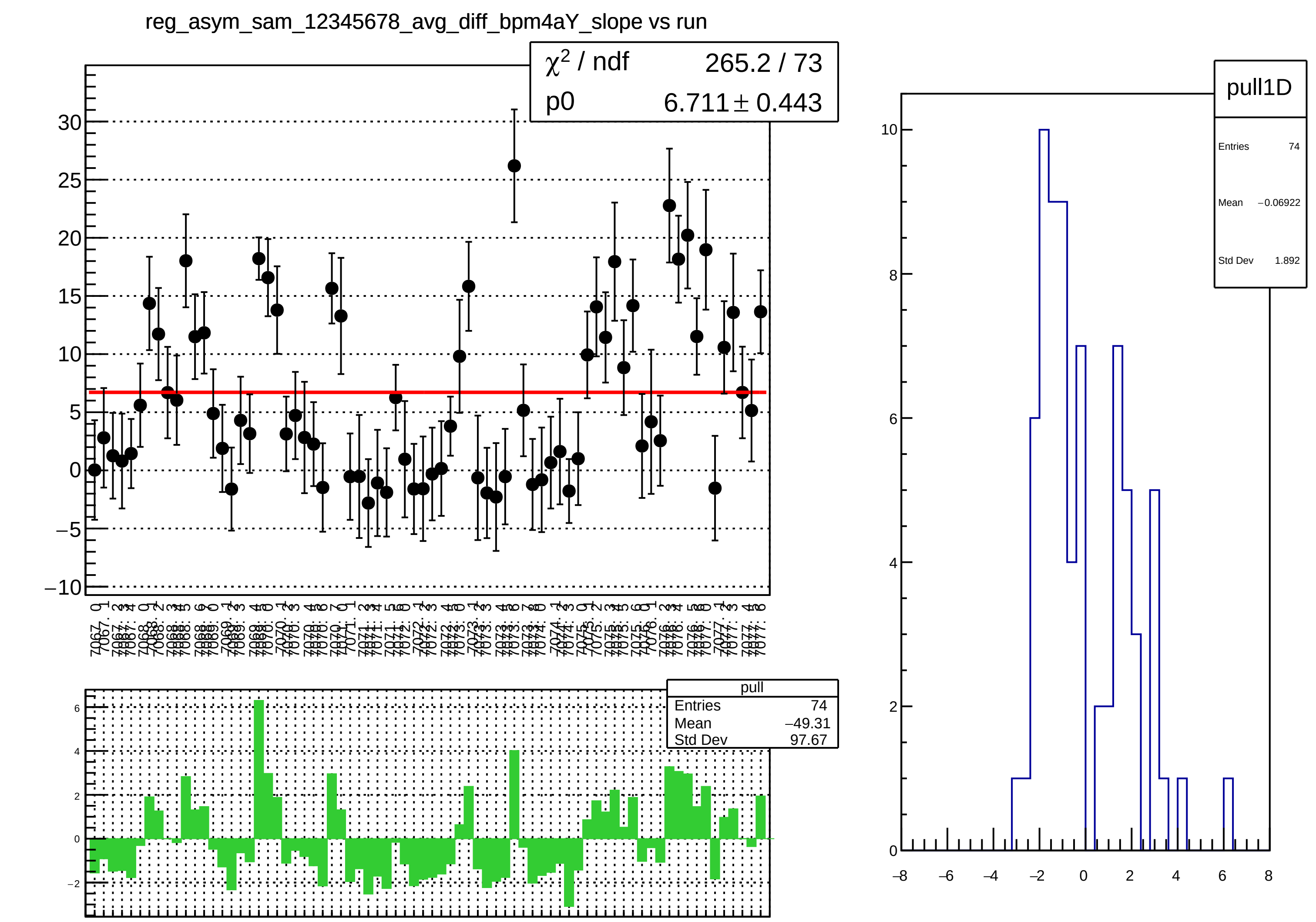


reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 191.9 / 73
p0 −3.819 ± 0.1577
pull
Entries 74
Mean −26.77
Std Dev 76.06
pull1D
Entries 74
Mean −0.08104
Std Dev 1.608

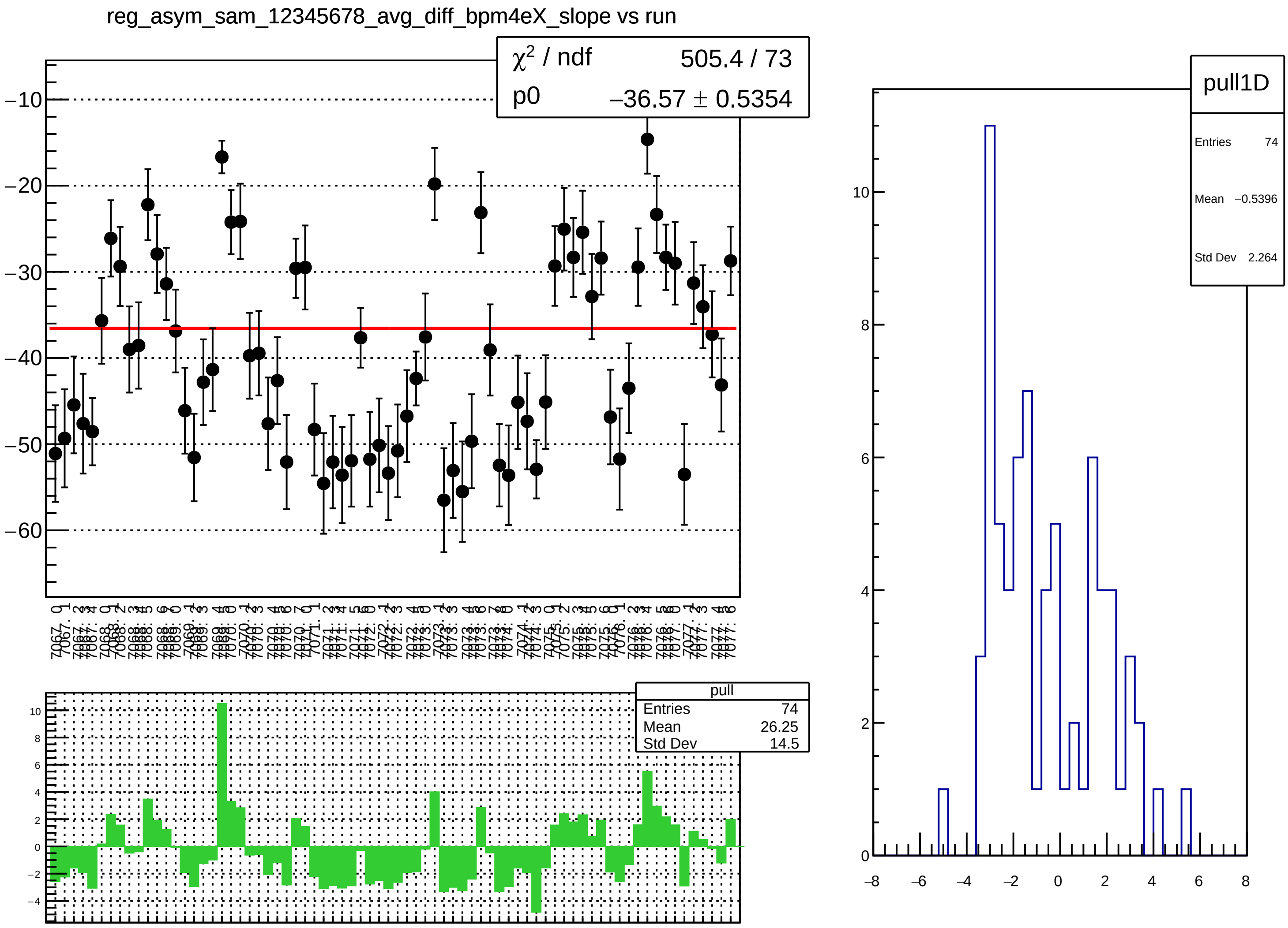


reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.72 / 73
p0 0.01976 ± 0.007183
pull
Entries 74
Mean −54.46
Std Dev 128.9
pull1D
Entries 74
Mean −0.005742
Std Dev 0.398

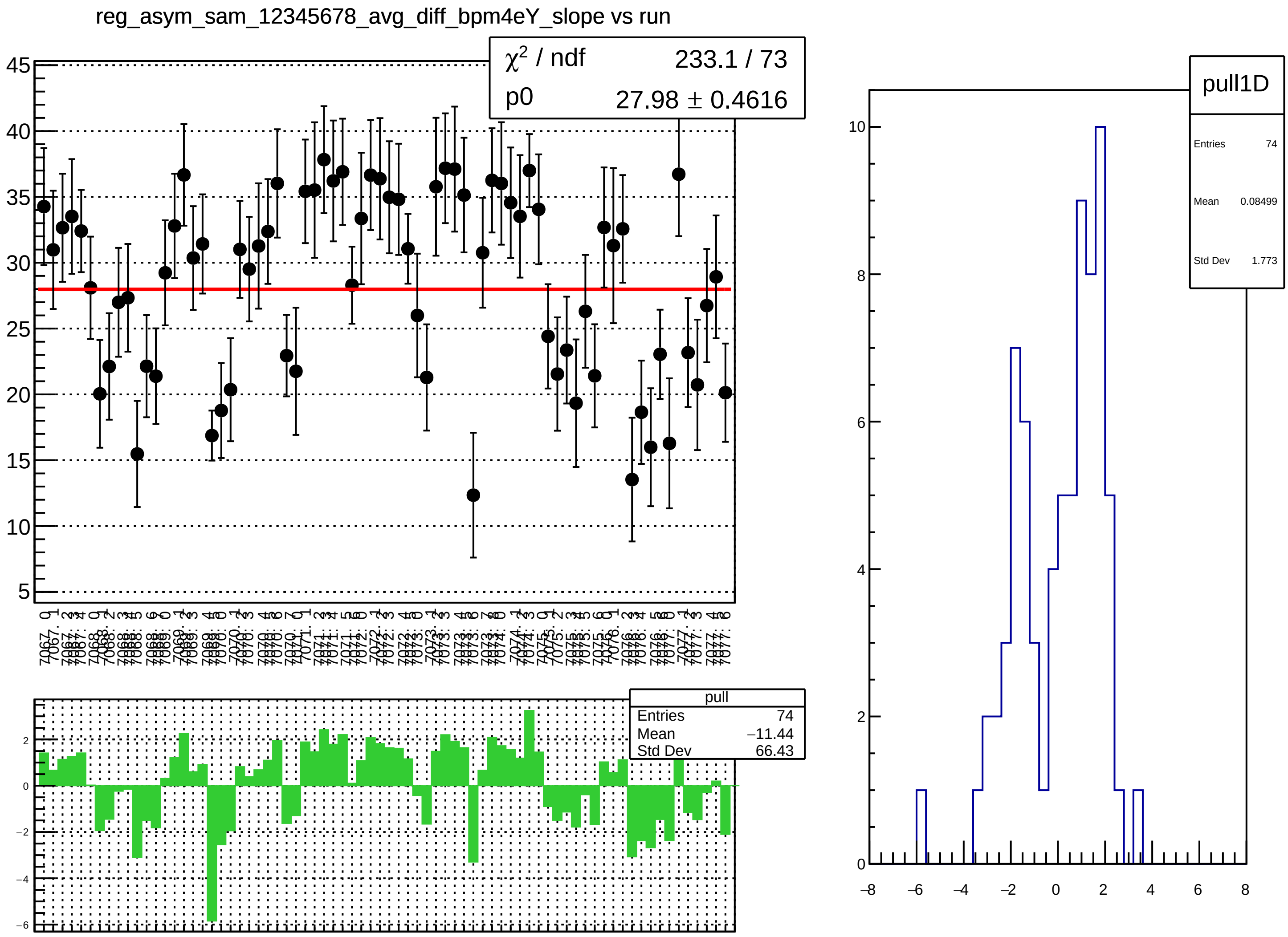

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 655 / 73
p0 −26.98 ± 0.5559
pull
Entries 74
Mean 22.41
Std Dev 15.84
pull1D
Entries 74
Mean 0.6055
Std Dev 2.591



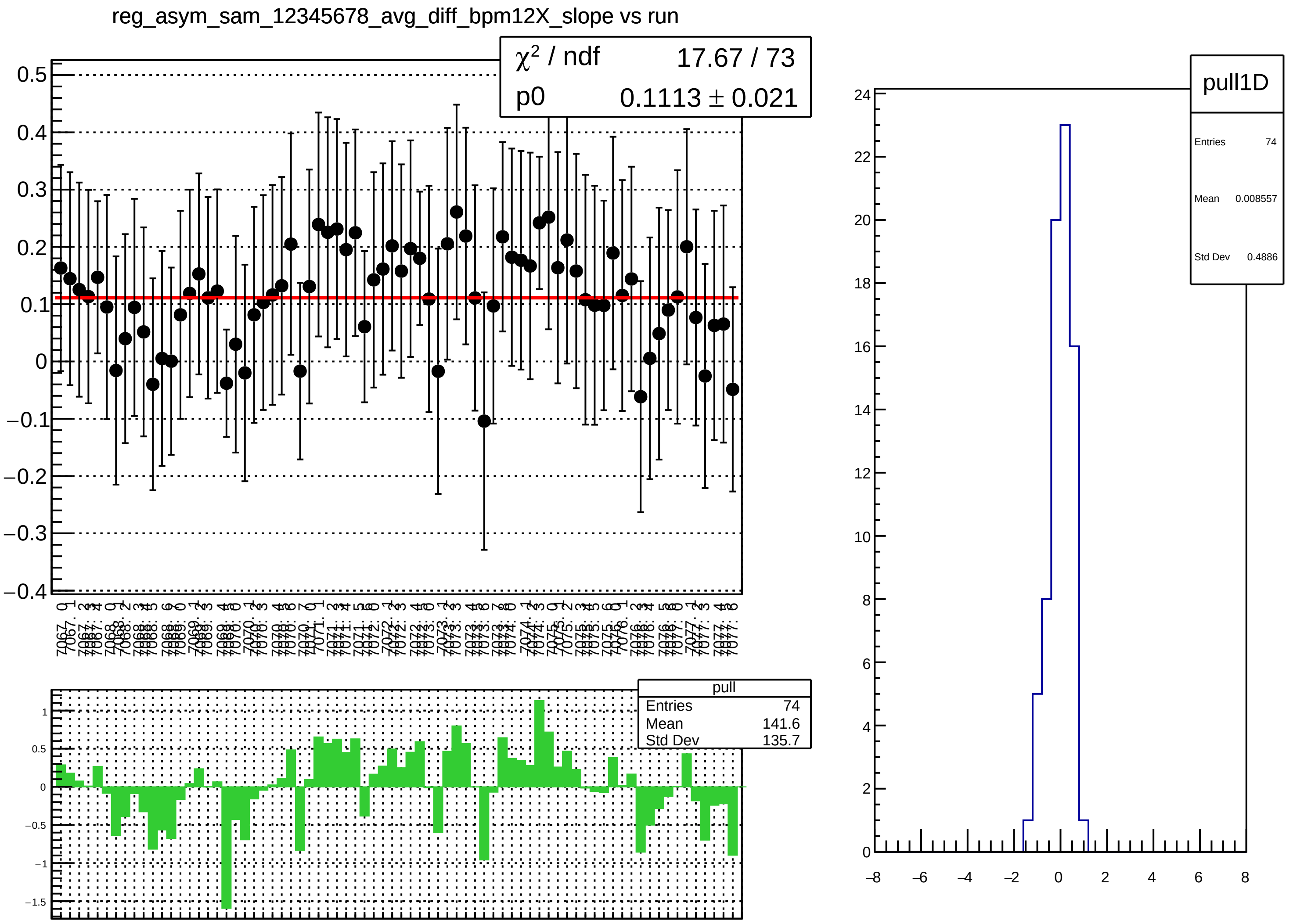
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 265.2 / 73
p0 6.711 ± 0.443
pull
Entries 74
Mean −49.31
Std Dev 97.67
pull1D
Entries 74
Mean −0.06922
Std Dev 1.892



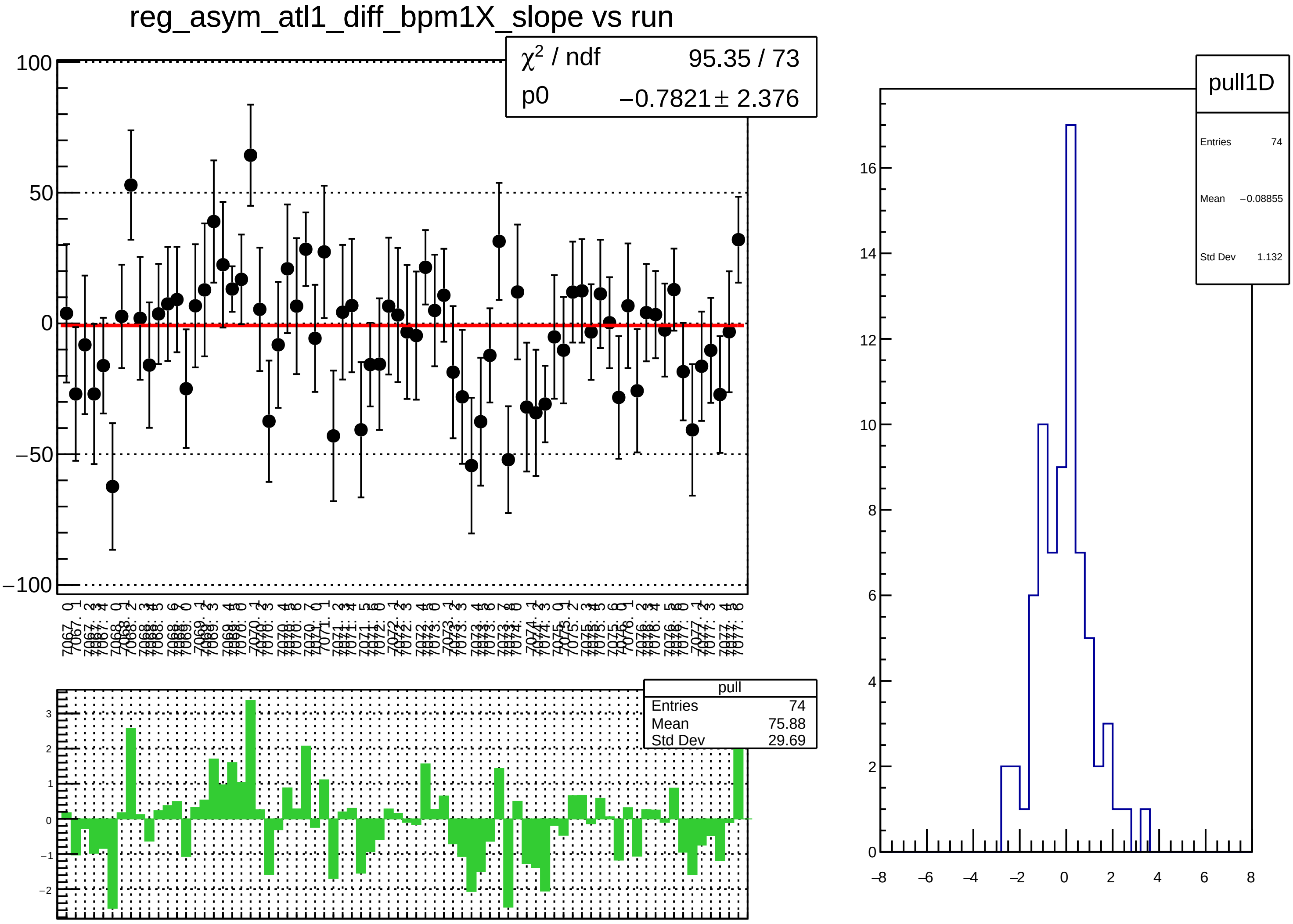
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ2 / ndf 505.4 / 73
p0 −36.57 ± 0.5354
pull
Entries 74
Mean 26.25
Std Dev 14.5
pull1D
Entries 74
Mean −0.5396
Std Dev 2.264



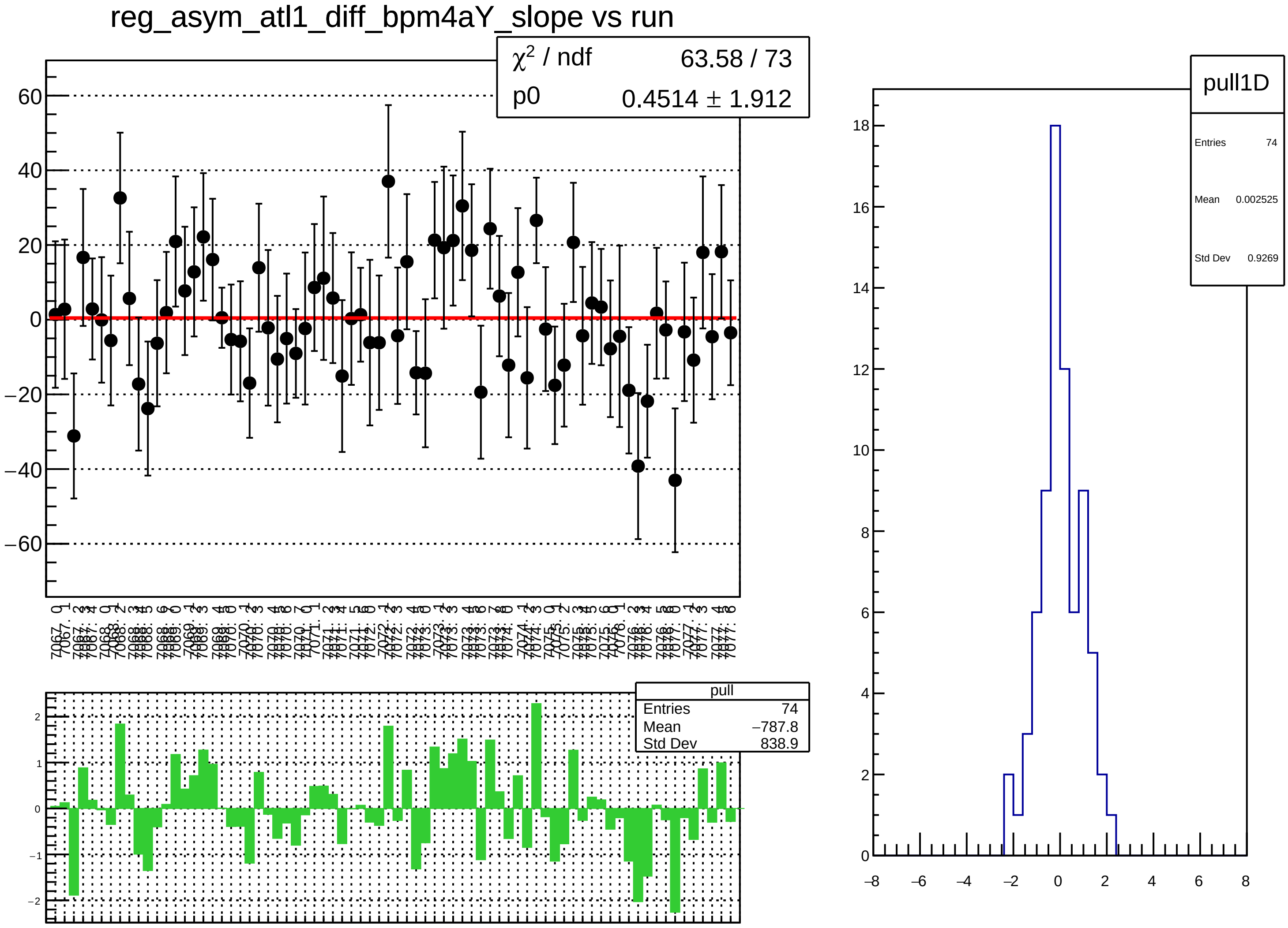
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ2 / ndf 233.1 / 73
p0 27.98 ± 0.4616
pull
Entries 74
Mean −11.44
Std Dev 66.43
pull1D
Entries 74
Mean 0.08499
Std Dev 1.773



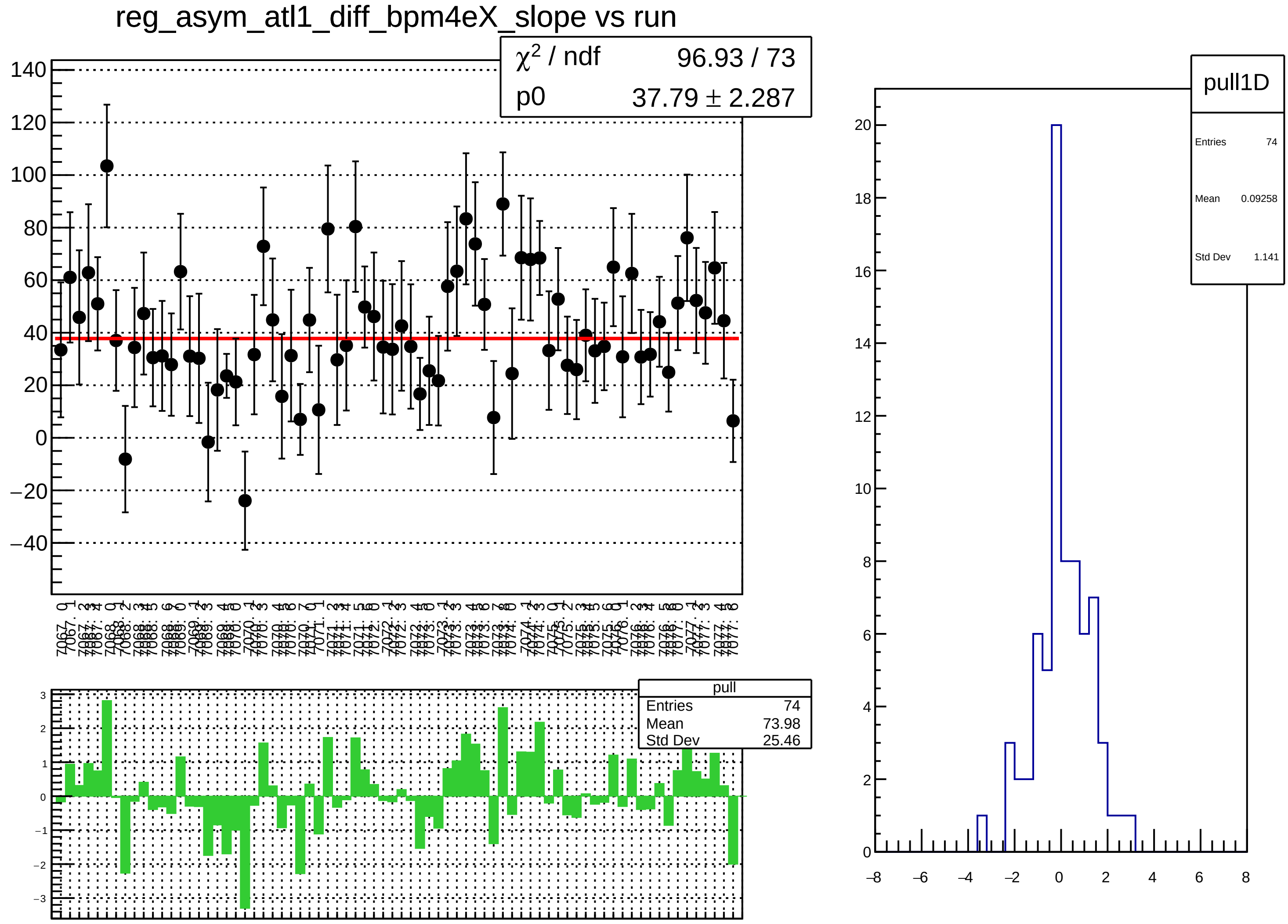
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 17.67 / 73
p0 0.1113 ± 0.021
pull
Entries 74
Mean 141.6
Std Dev 135.7
pull1D
Entries 74
Mean 0.008557
Std Dev 0.4886



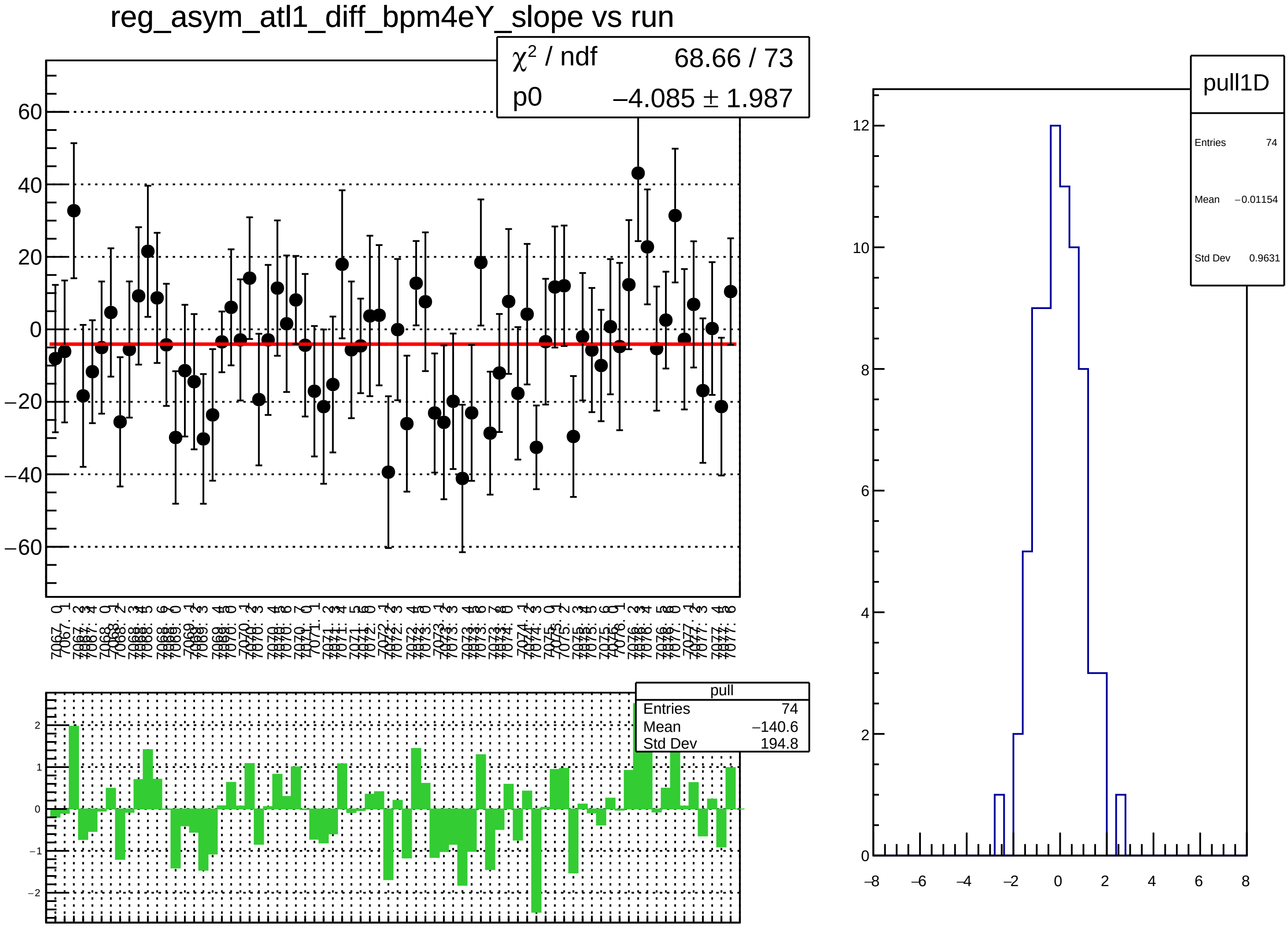
reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 95.35 / 73
p0 −0.7821 ± 2.376
pull
Entries 74
Mean 75.88
Std Dev 29.69
pull1D
Entries 74
Mean −0.08855
Std Dev 1.132



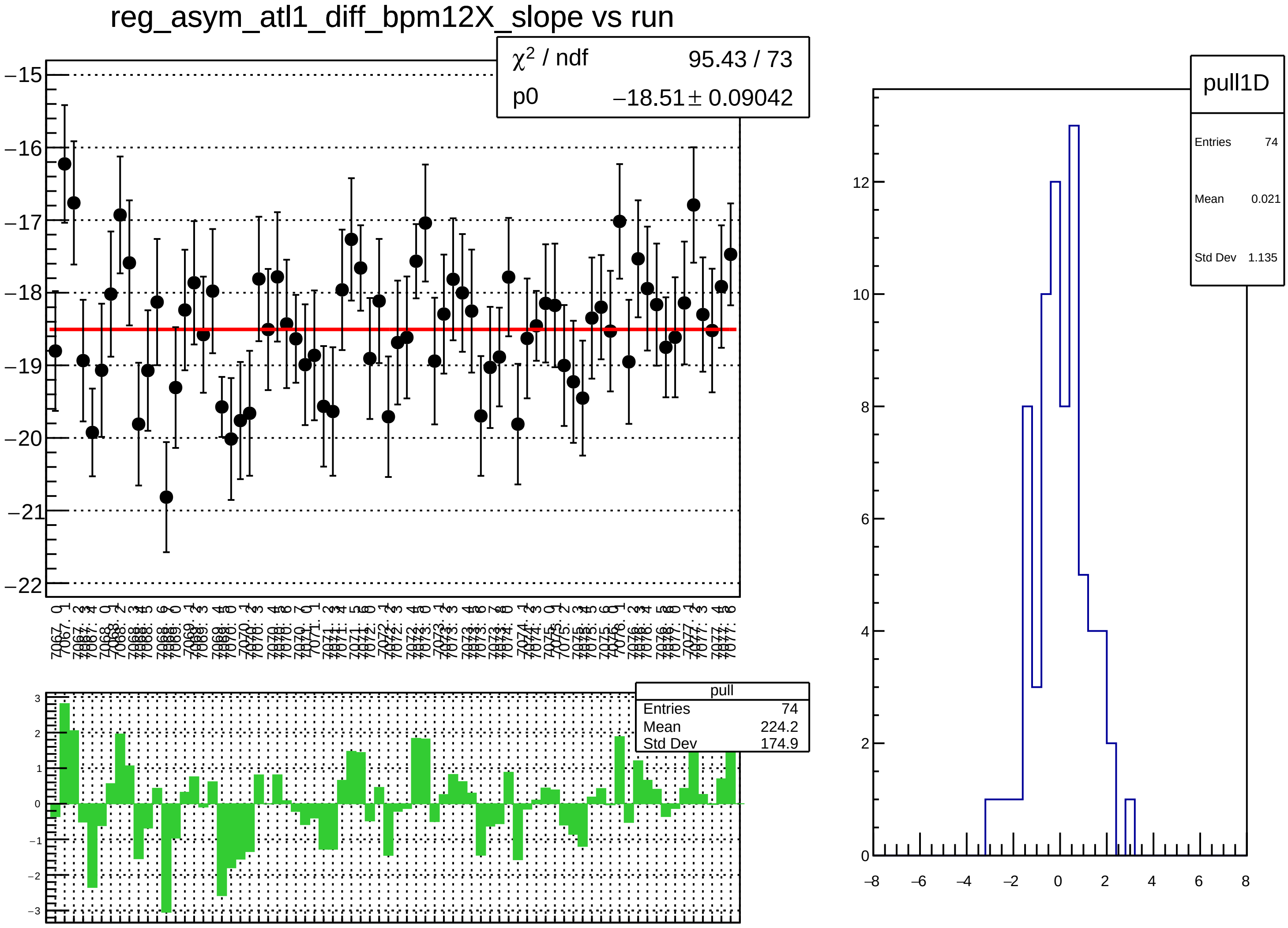
reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 63.58 / 73
p0 0.4514 ± 1.912
pull
Entries 74
Mean −787.8
Std Dev 838.9
pull1D
Entries 74
Mean 0.002525
Std Dev 0.9269



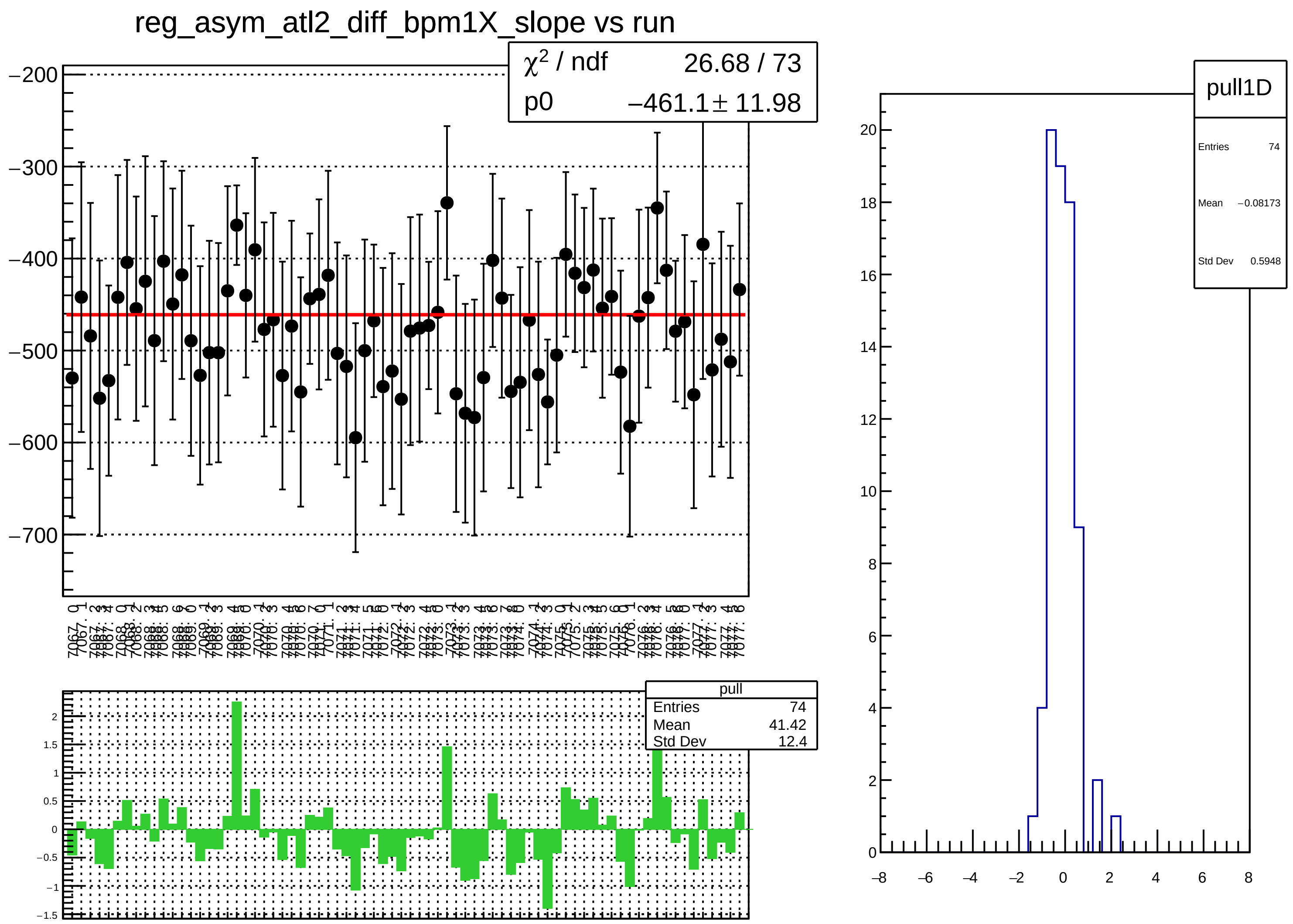
reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 96.93 / 73
p0 37.79 ± 2.287
pull
Entries 74
Mean 73.98
Std Dev 25.46
pull1D
Entries 74
Mean 0.09258
Std Dev 1.141

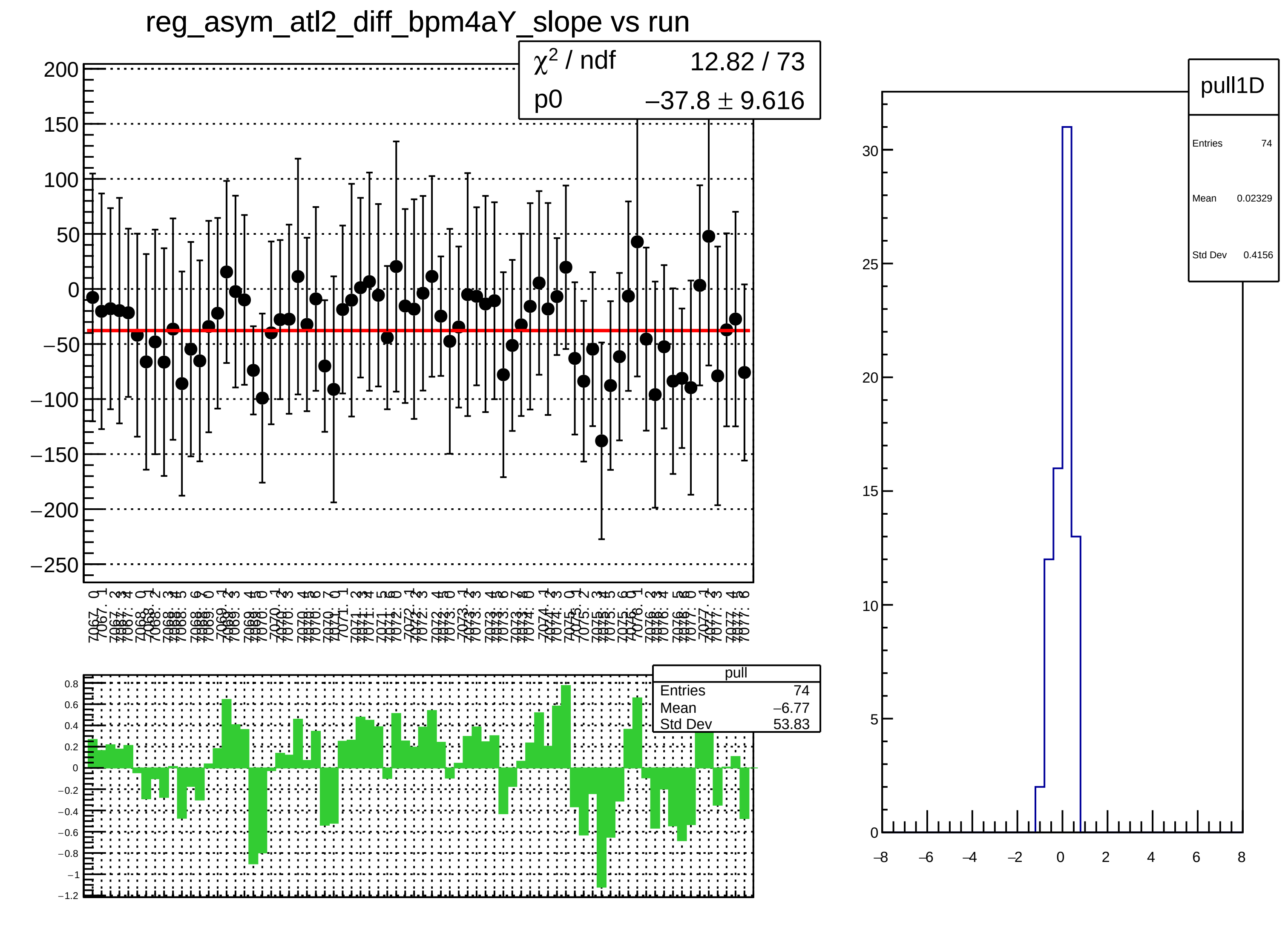


reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 68.66 / 73
p0 −4.085 ± 1.987
pull
Entries 74
Mean −140.6
Std Dev 194.8
pull1D
Entries 74
Mean −0.01154
Std Dev 0.9631

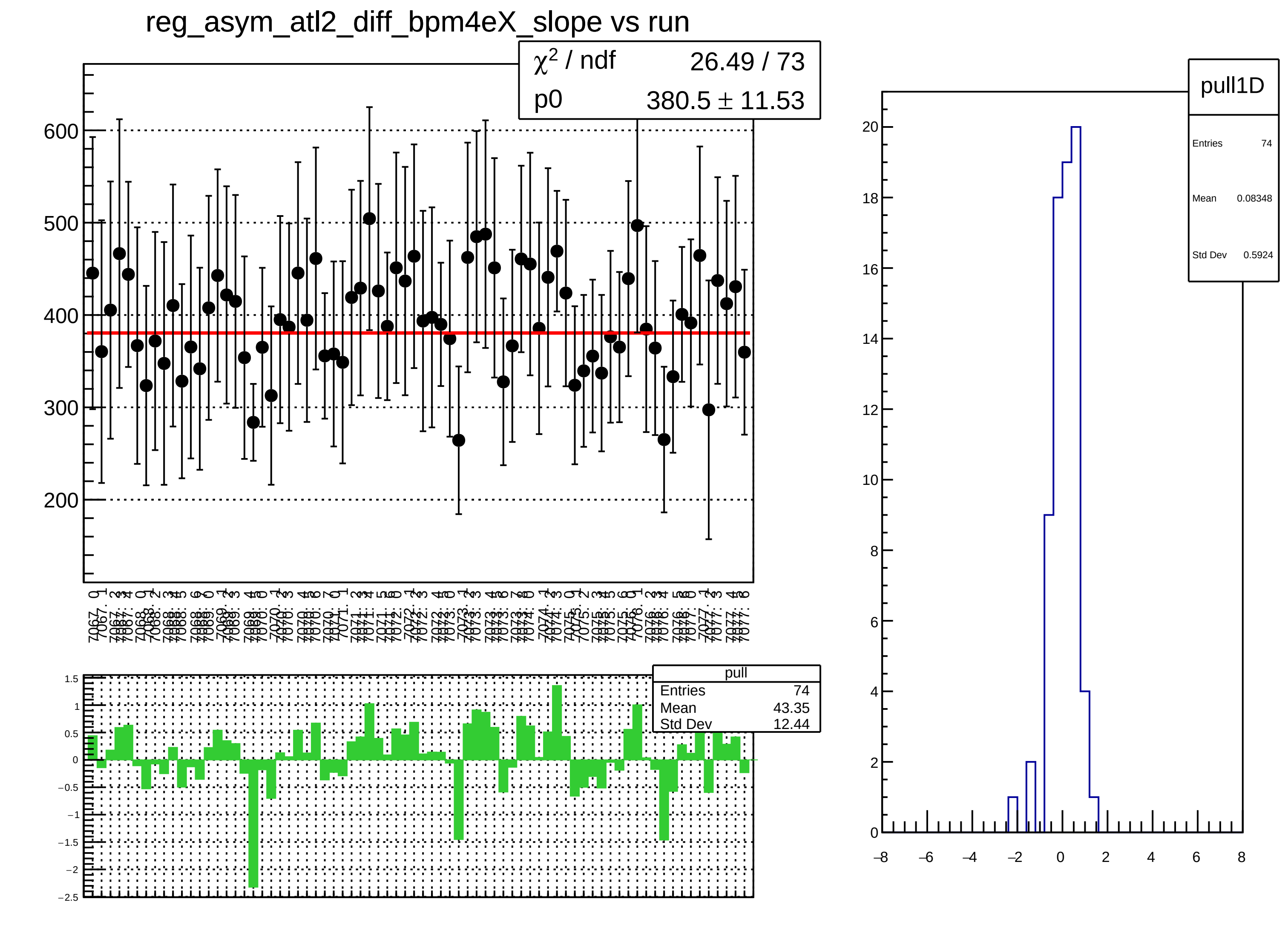


reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 95.43 / 73
p0 −18.51 ± 0.09042
pull
Entries 74
Mean 224.2
Std Dev 174.9
pull1D
Entries 74
Mean 0.021
Std Dev 1.135

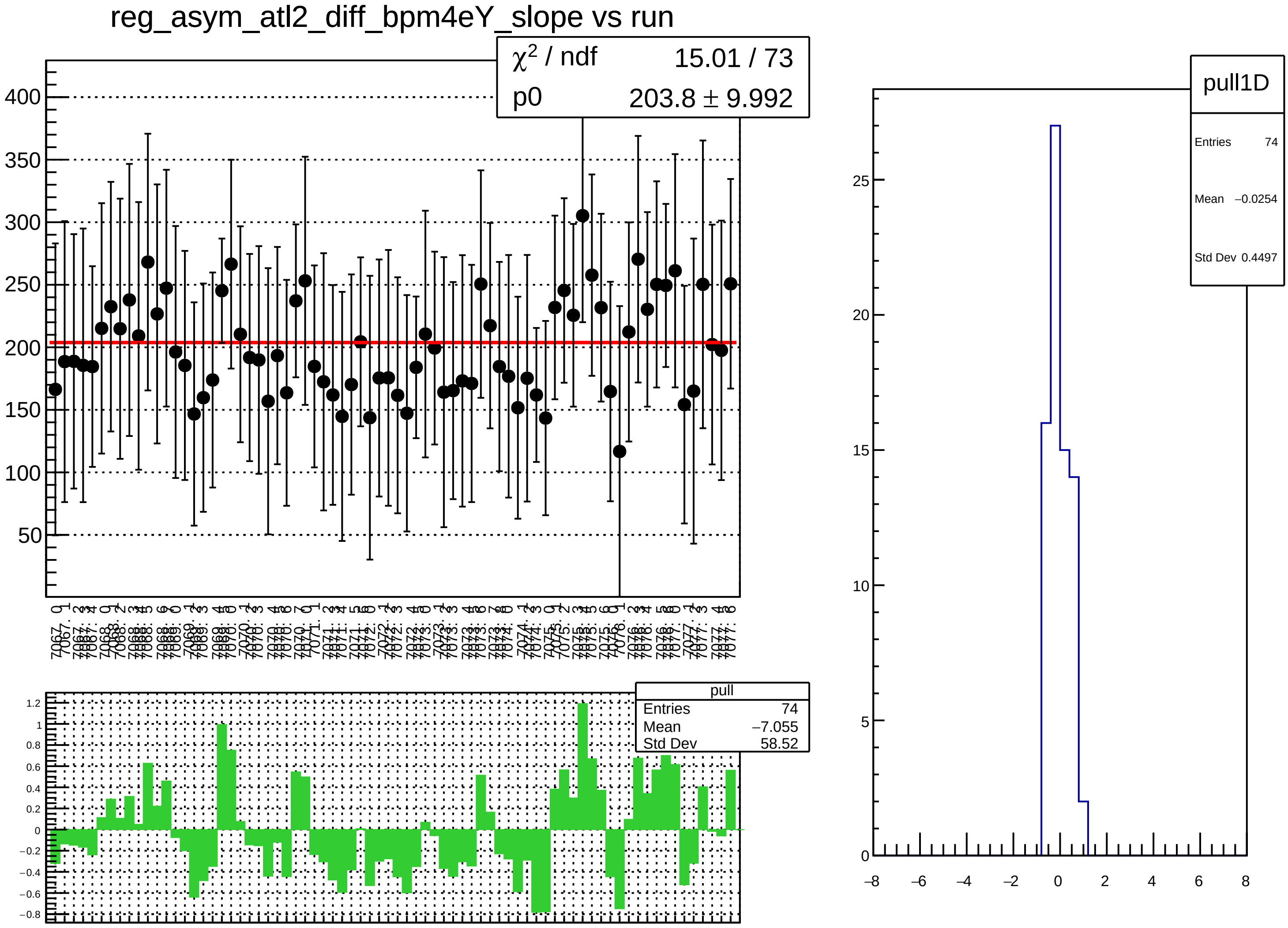

reg_asym_atl2_diff_bpm1X_slope vs run
χ2 / ndf 26.68 / 73
p0 −461.1 ± 11.98
pull
Entries 74
Mean 41.42
Std Dev 12.4
pull1D
Entries 74
Mean −0.08173
Std Dev 0.5948



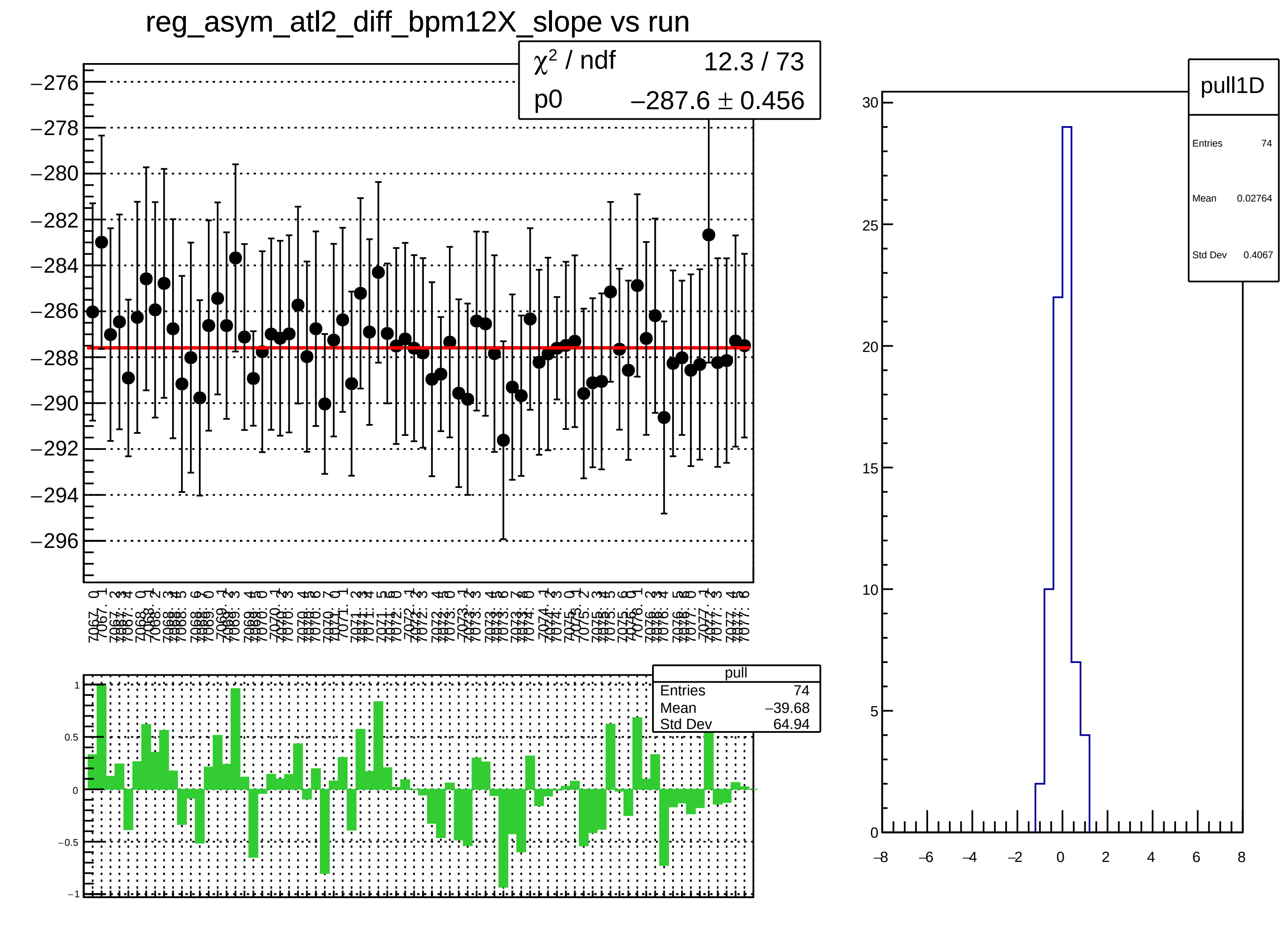
reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 12.82 / 73
p0 −37.8 ± 9.616
pull
Entries 74
Mean −6.77
Std Dev 53.83
pull1D
Entries 74
Mean 0.02329
Std Dev 0.4156



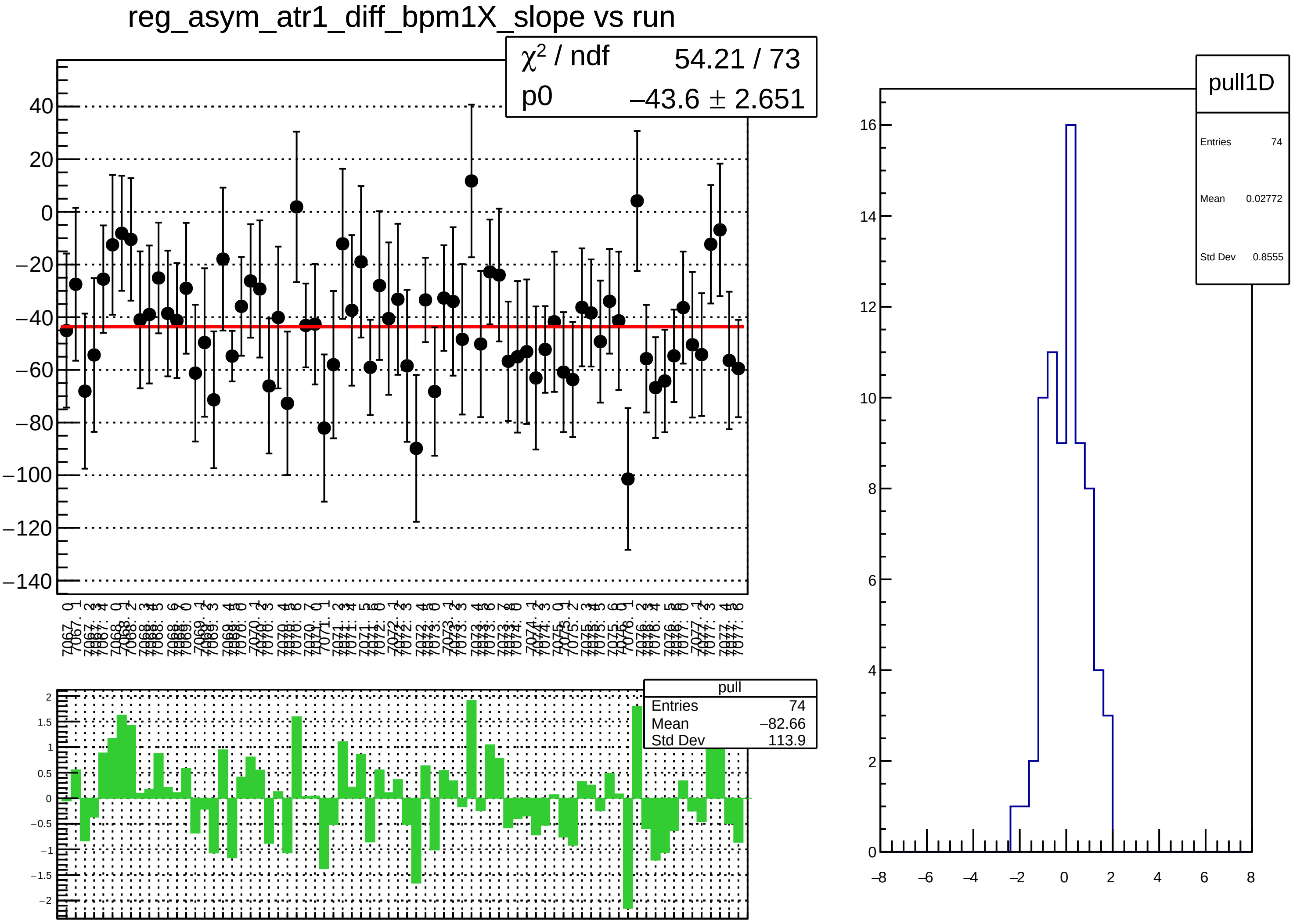
reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 26.49 / 73
p0 380.5 ± 11.53
pull
Entries 74
Mean 43.35
Std Dev 12.44
pull1D
Entries 74
Mean 0.08348
Std Dev 0.5924



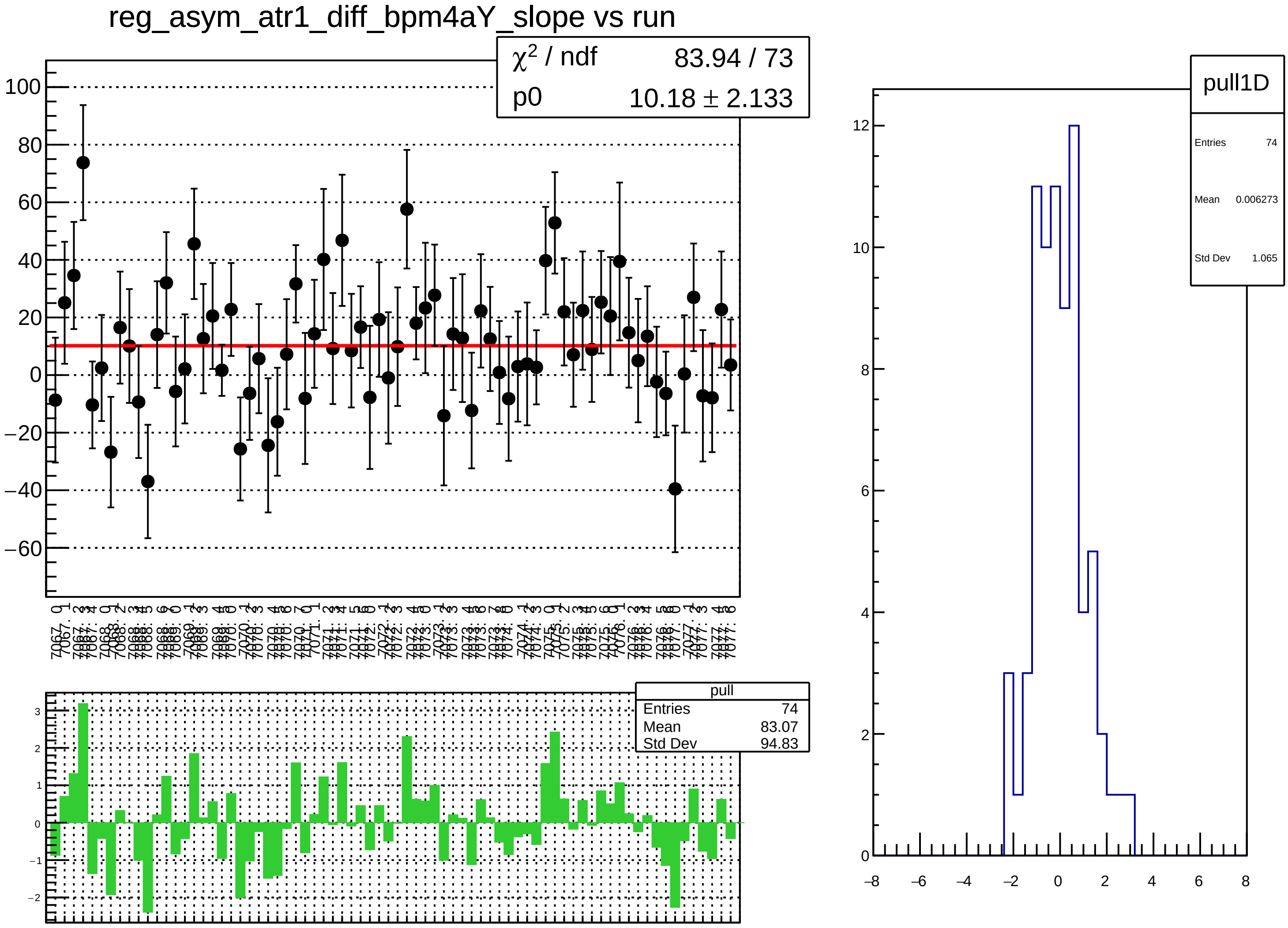
reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 15.01 / 73
p0 203.8 ± 9.992
pull
Entries 74
Mean −7.055
Std Dev 58.52
pull1D
Entries 74
Mean −0.0254
Std Dev 0.4497

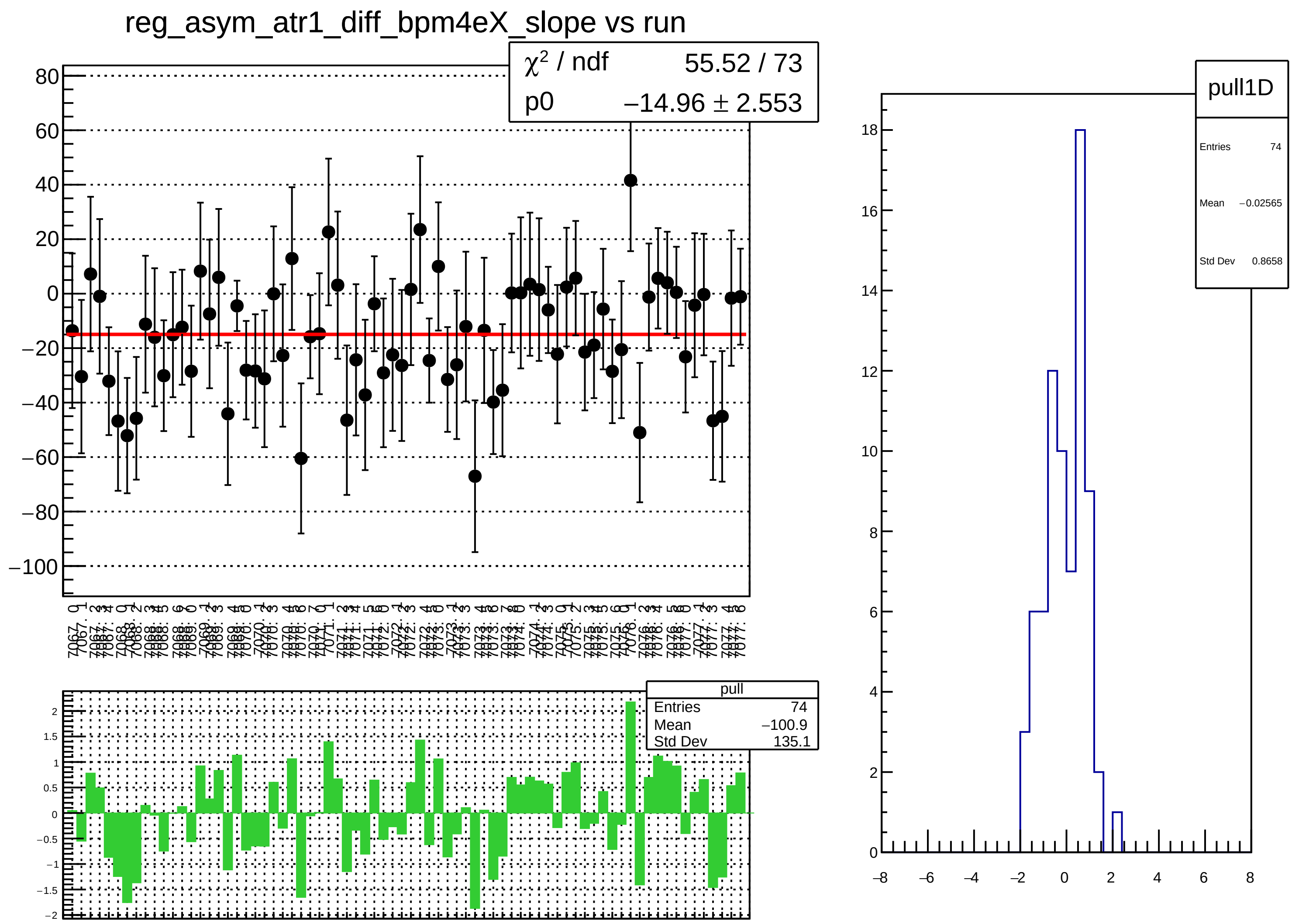


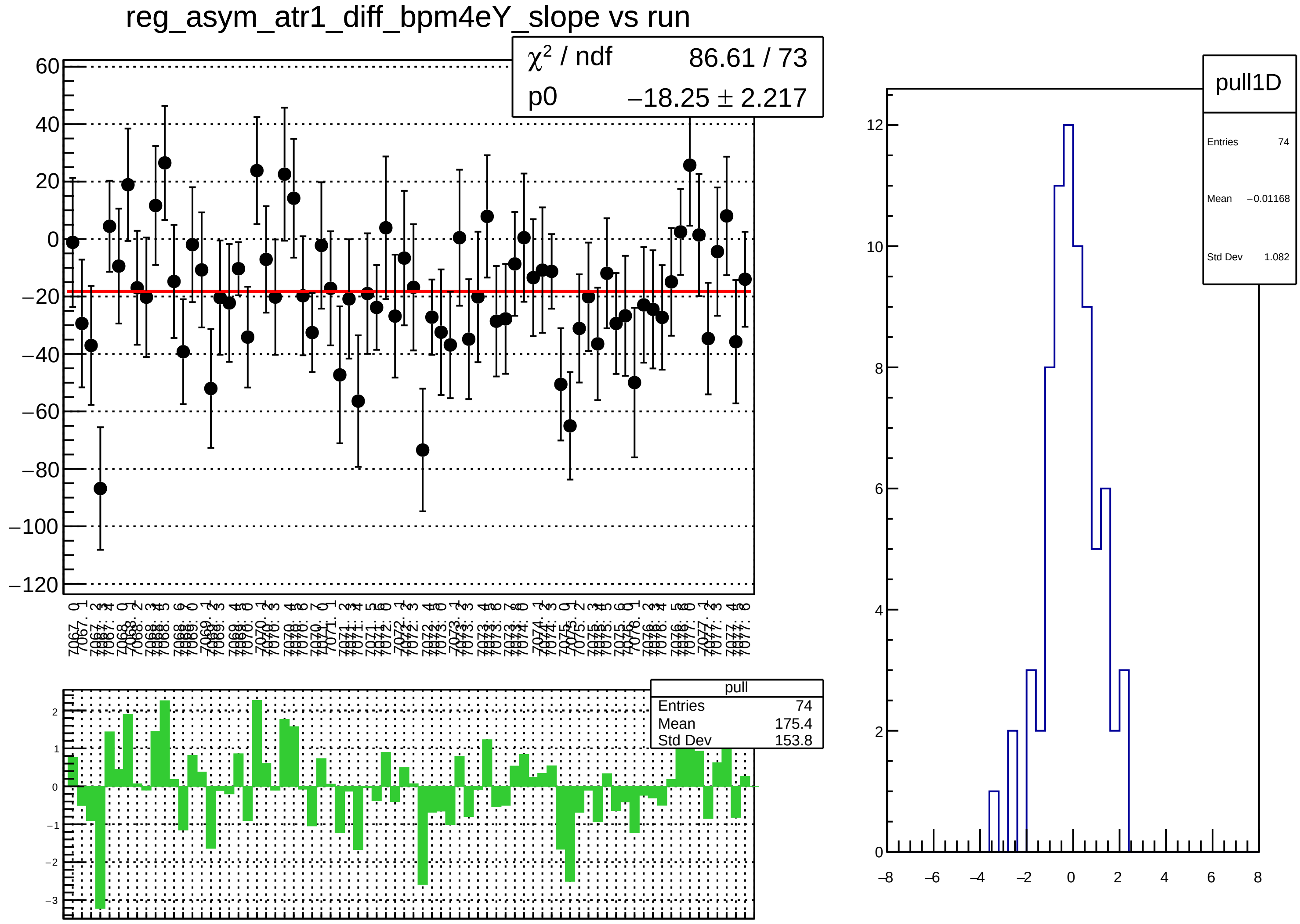
reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 12.3 / 73
p0 −287.6 ± 0.456
pull
Entries 74
Mean −39.68
Std Dev 64.94
pull1D
Entries 74
Mean 0.02764
Std Dev 0.4067



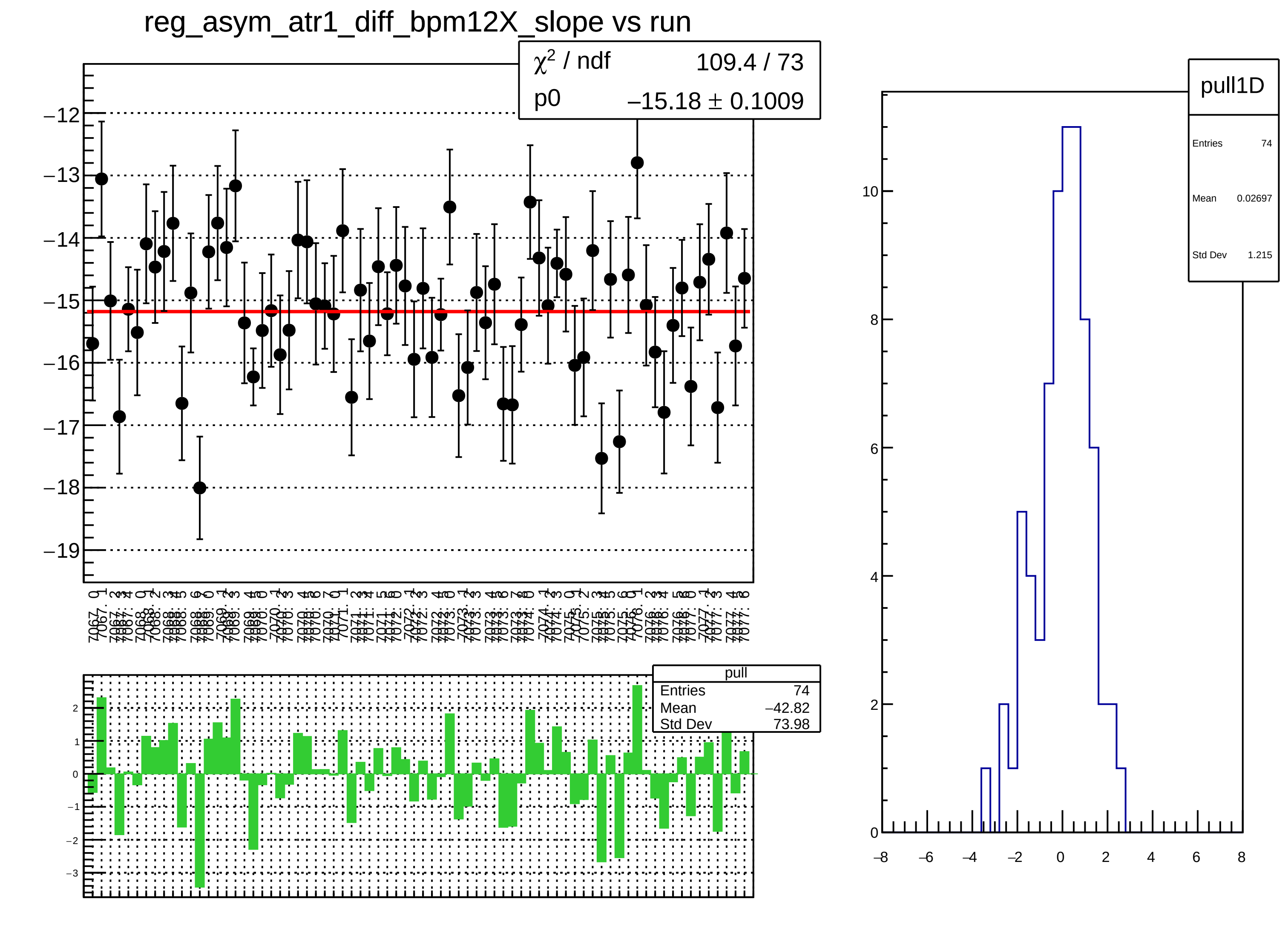
reg_asym_atr1_diff_bpm1X_slope vs run
χ2 / ndf 54.21 / 73
p0 −43.6 ± 2.651
pull
Entries 74
Mean −82.66
Std Dev 113.9
pull1D
Entries 74
Mean 0.02772
Std Dev 0.8555


reg_asym_atr1_diff_bpm4aY_slope vs run
χ^2 / ndf 83.94 / 73
p0 10.18 ± 2.133
pull
Entries 74
Mean 83.07
Std Dev 94.83
pull1D
Entries 74
Mean 0.006273
Std Dev 1.065

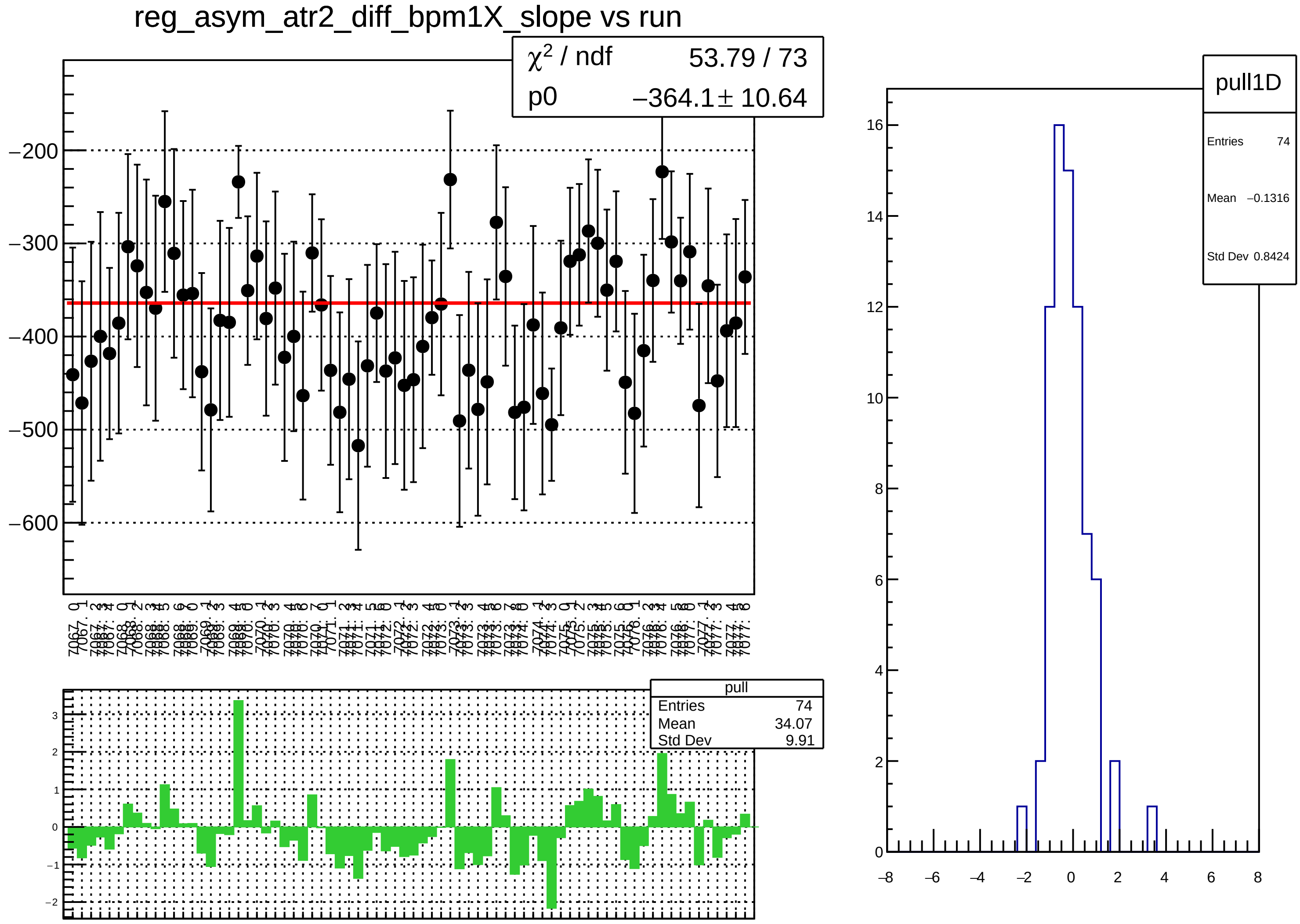

reg_asym_atr1_diff_bpm4eX_slope vs run
χ2 / ndf 55.52 / 73
p0 −14.96 ± 2.553
pull
Entries 74
Mean −100.9
Std Dev 135.1
pull1D
Entries 74
Mean −0.02565
Std Dev 0.8658

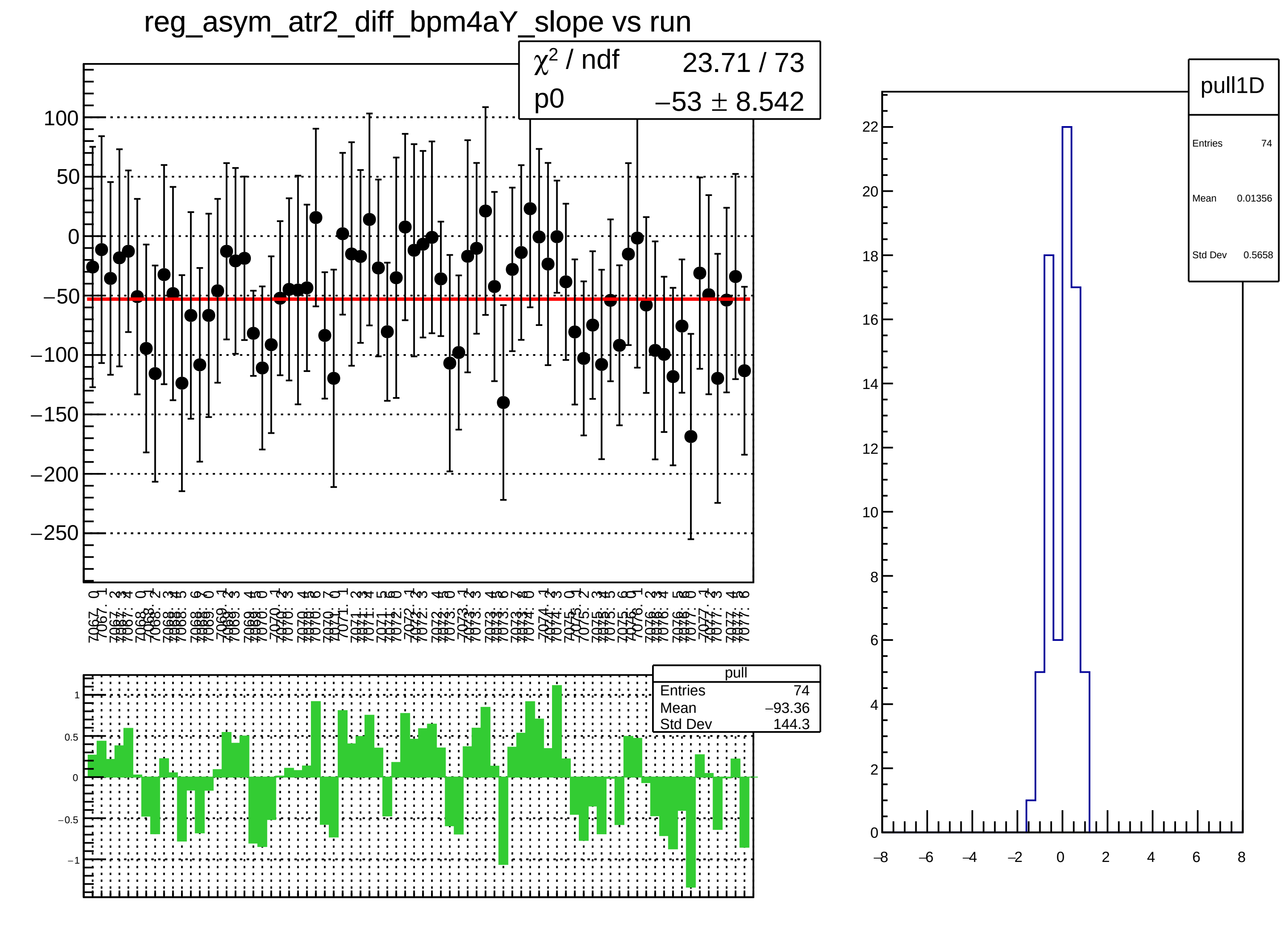


reg_asym_atr1_diff_bpm4eY_slope vs run
χ2 / ndf 86.61 / 73
p0 −18.25 ± 2.217
pull
Entries 74
Mean 175.4
Std Dev 153.8
pull1D
Entries 74
Mean −0.01168
Std Dev 1.082

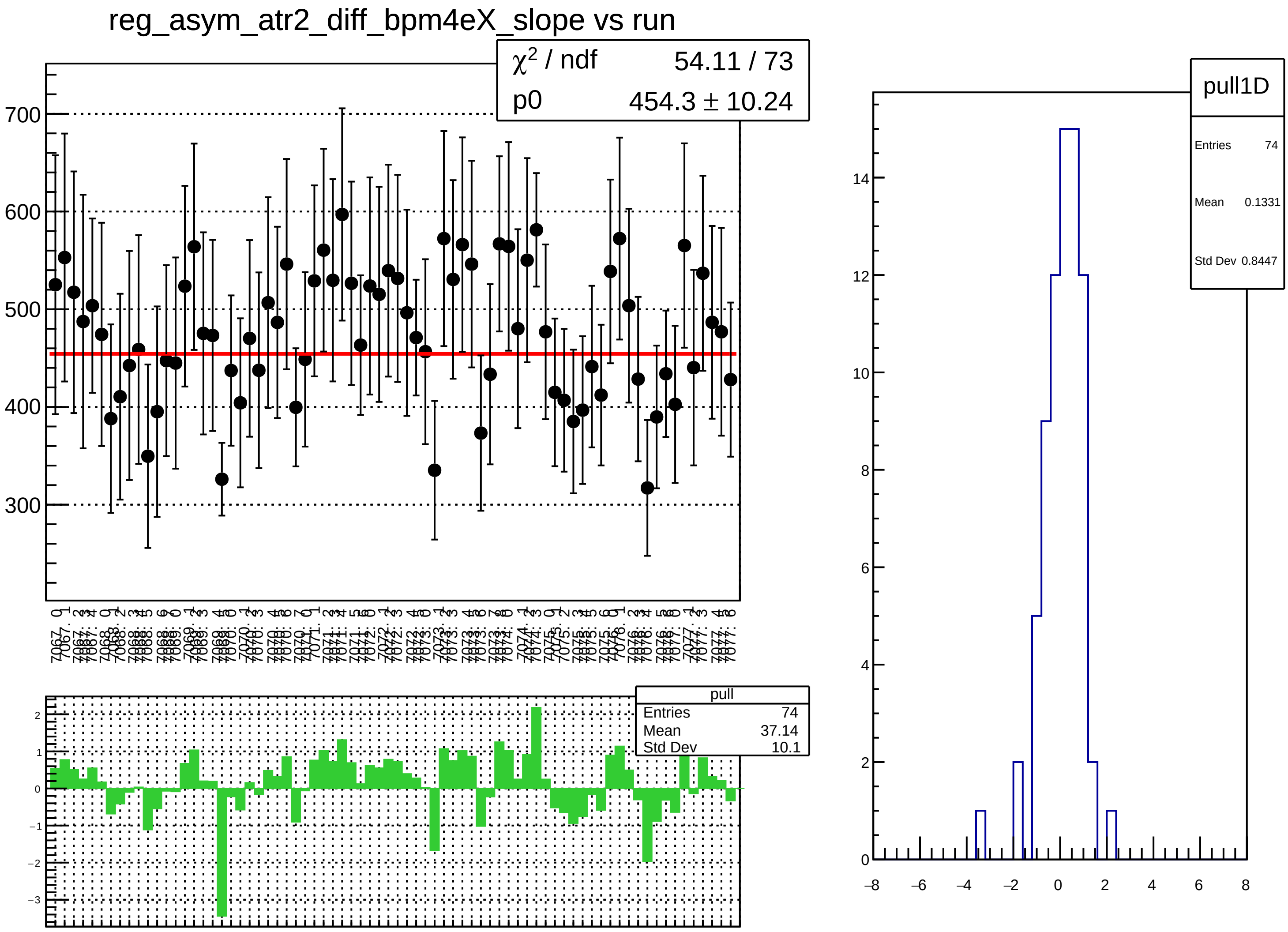


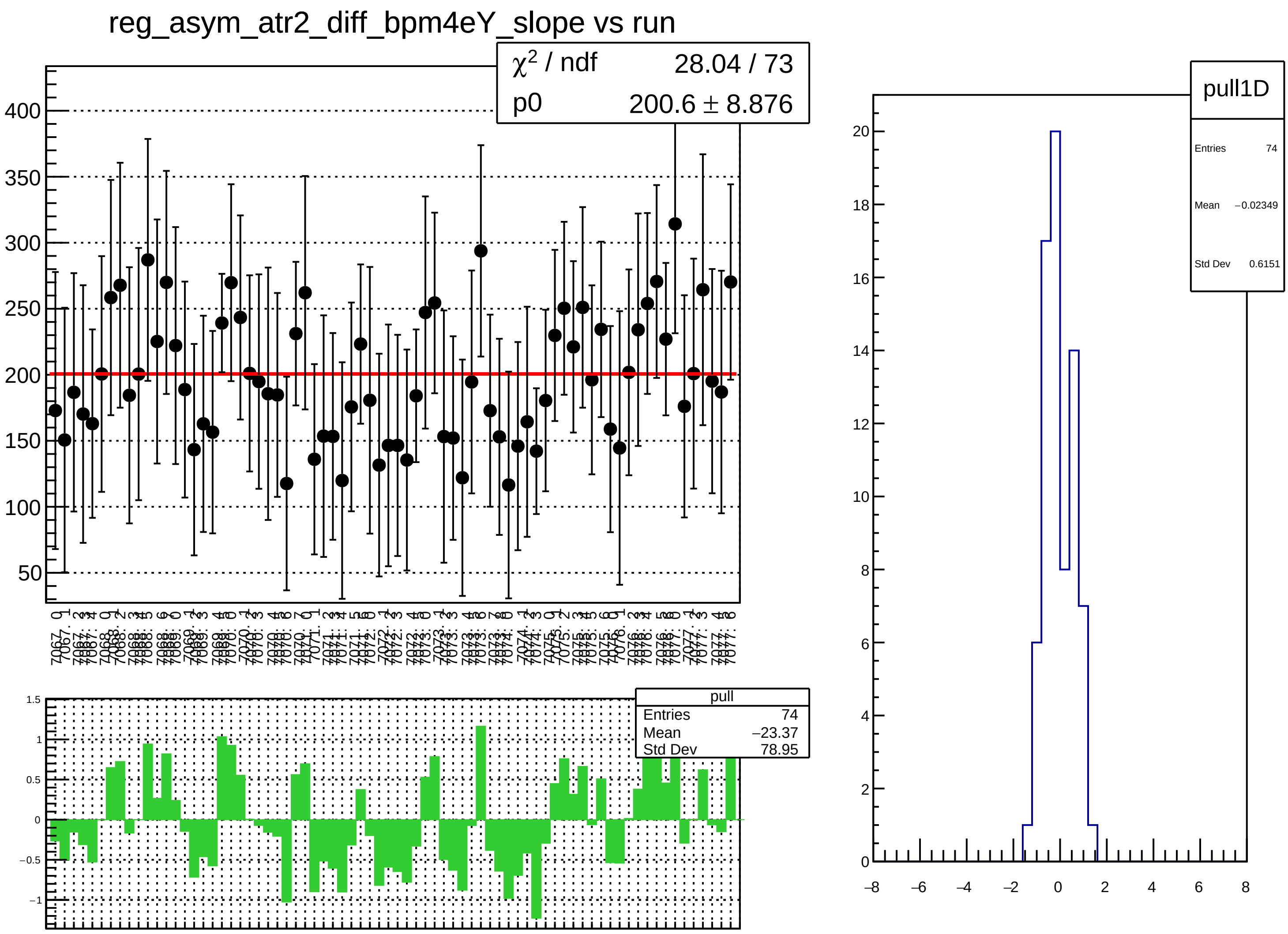
reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 109.4 / 73
p0 −15.18 ± 0.1009
pull
Entries 74
Mean −42.82
Std Dev 73.98
pull1D
Entries 74
Mean 0.02697
Std Dev 1.215


reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 53.79 / 73
p0 −364.1 ± 10.64
−200
−300
−400
−500
−600
pull
Entries 74
Mean 34.07
Std Dev 9.91
3
2
1
0
−1
−2
pull1D
Entries 74
Mean −0.1316
Std Dev 0.8424
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

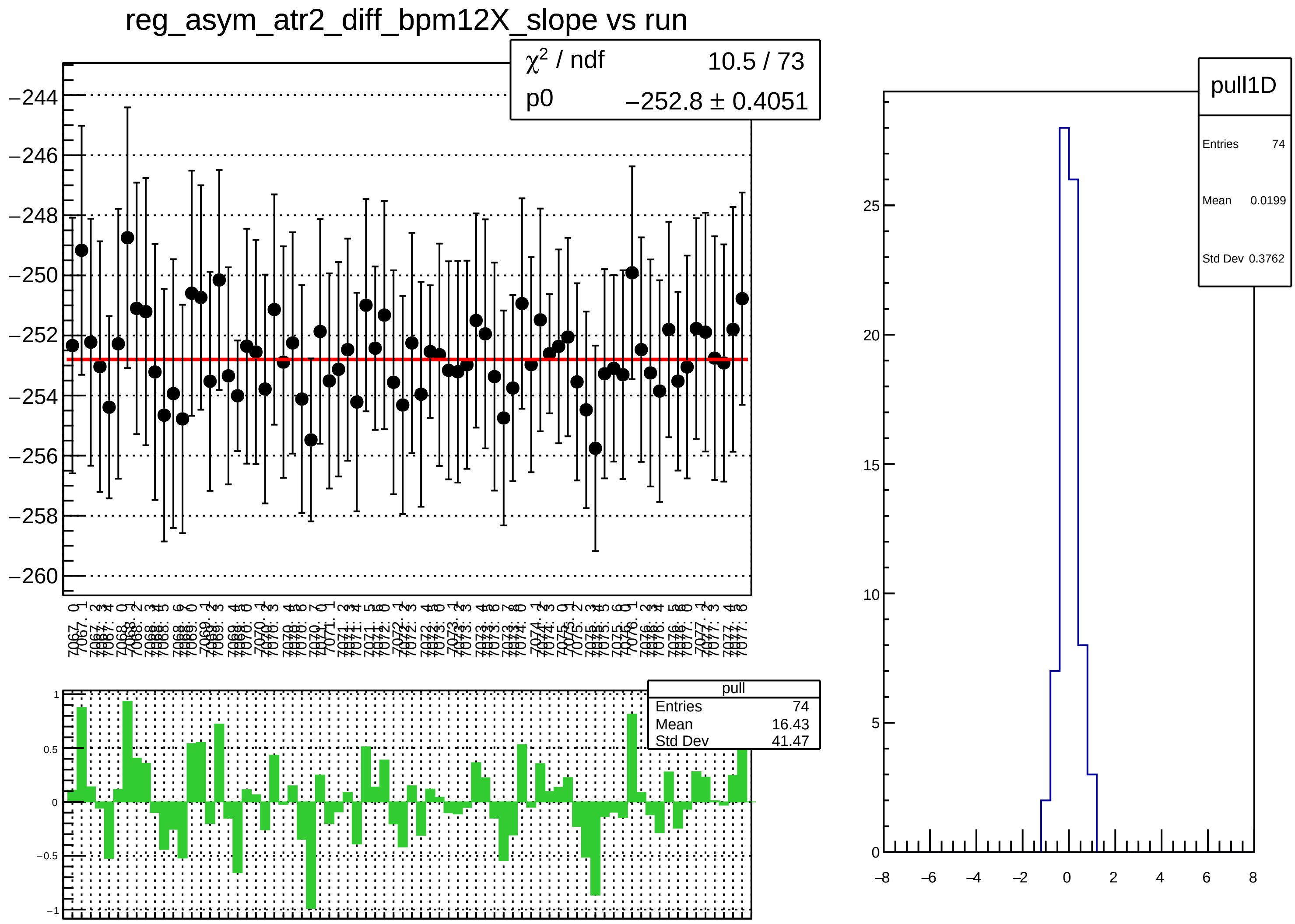


reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 23.71 / 73
p0 −53 ± 8.542
pull
Entries 74
Mean −93.36
Std Dev 144.3
pull1D
Entries 74
Mean 0.01356
Std Dev 0.5658

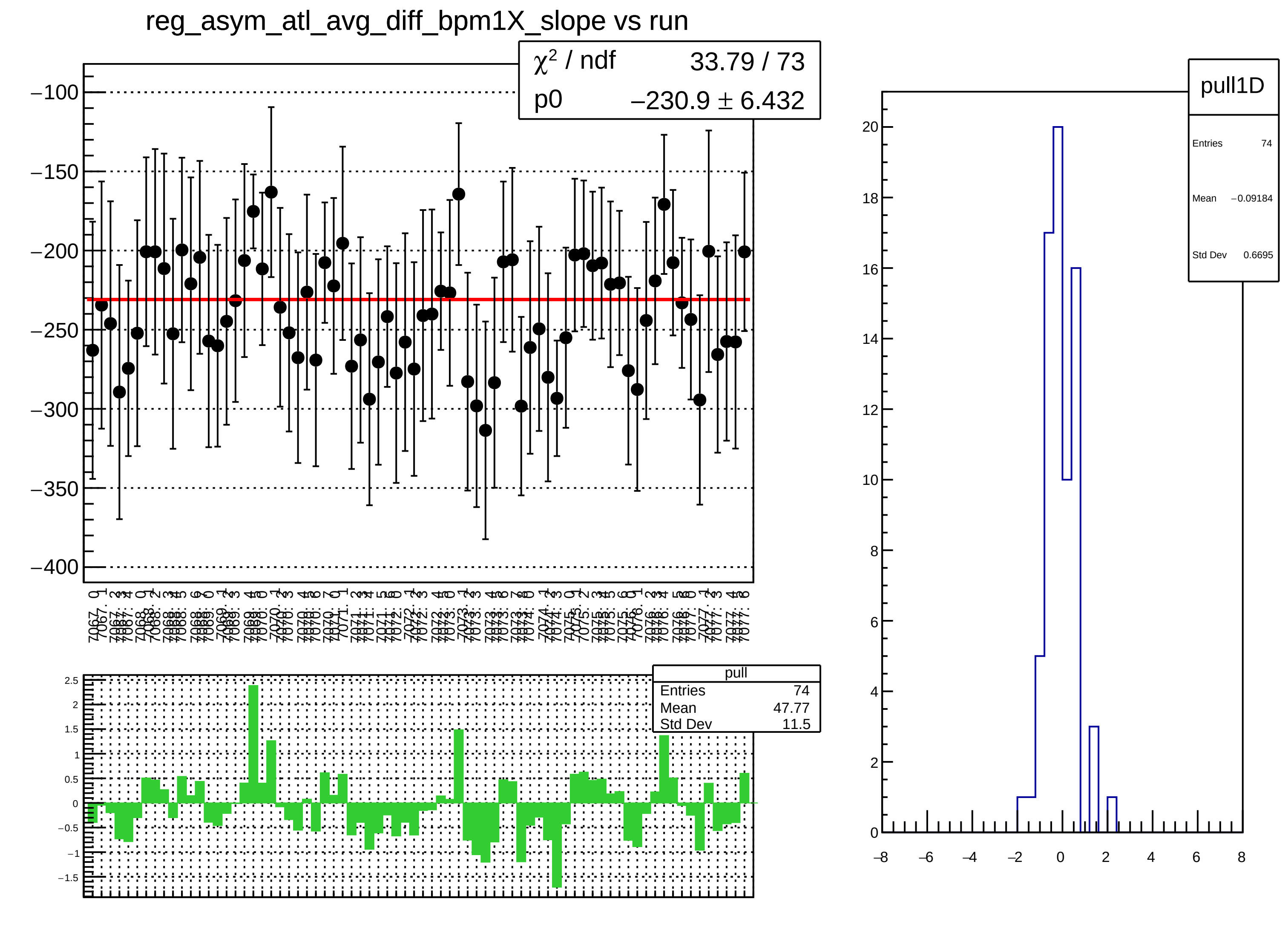

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 54.11 / 73
p0 454.3 ± 10.24
pull
Entries 74
Mean 37.14
Std Dev 10.1
pull1D
Entries 74
Mean 0.1331
Std Dev 0.8447



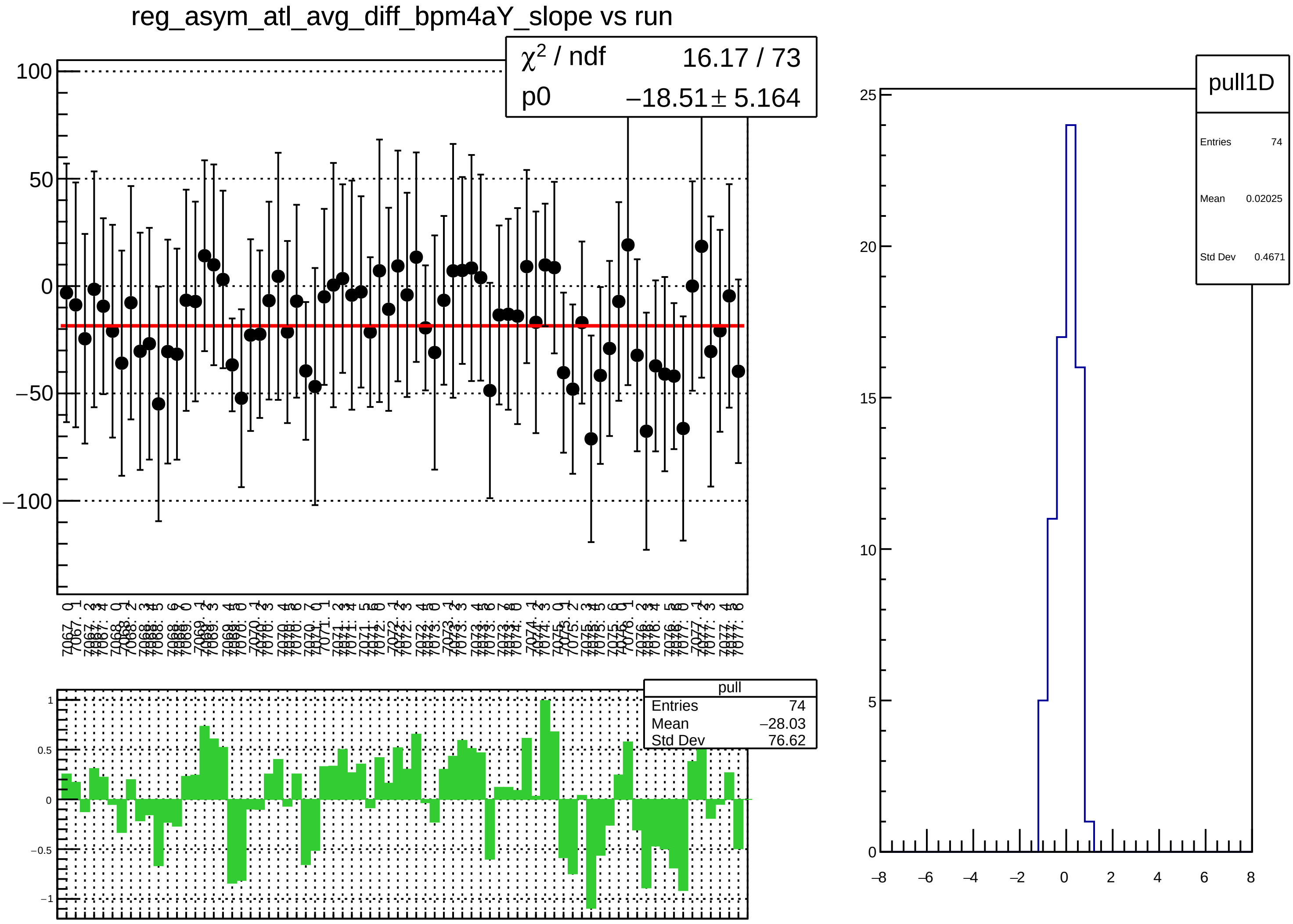
reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 28.04 / 73
p0 200.6 ± 8.876
pull
Entries 74
Mean −23.37
Std Dev 78.95
pull1D
Entries 74
Mean −0.02349
Std Dev 0.6151



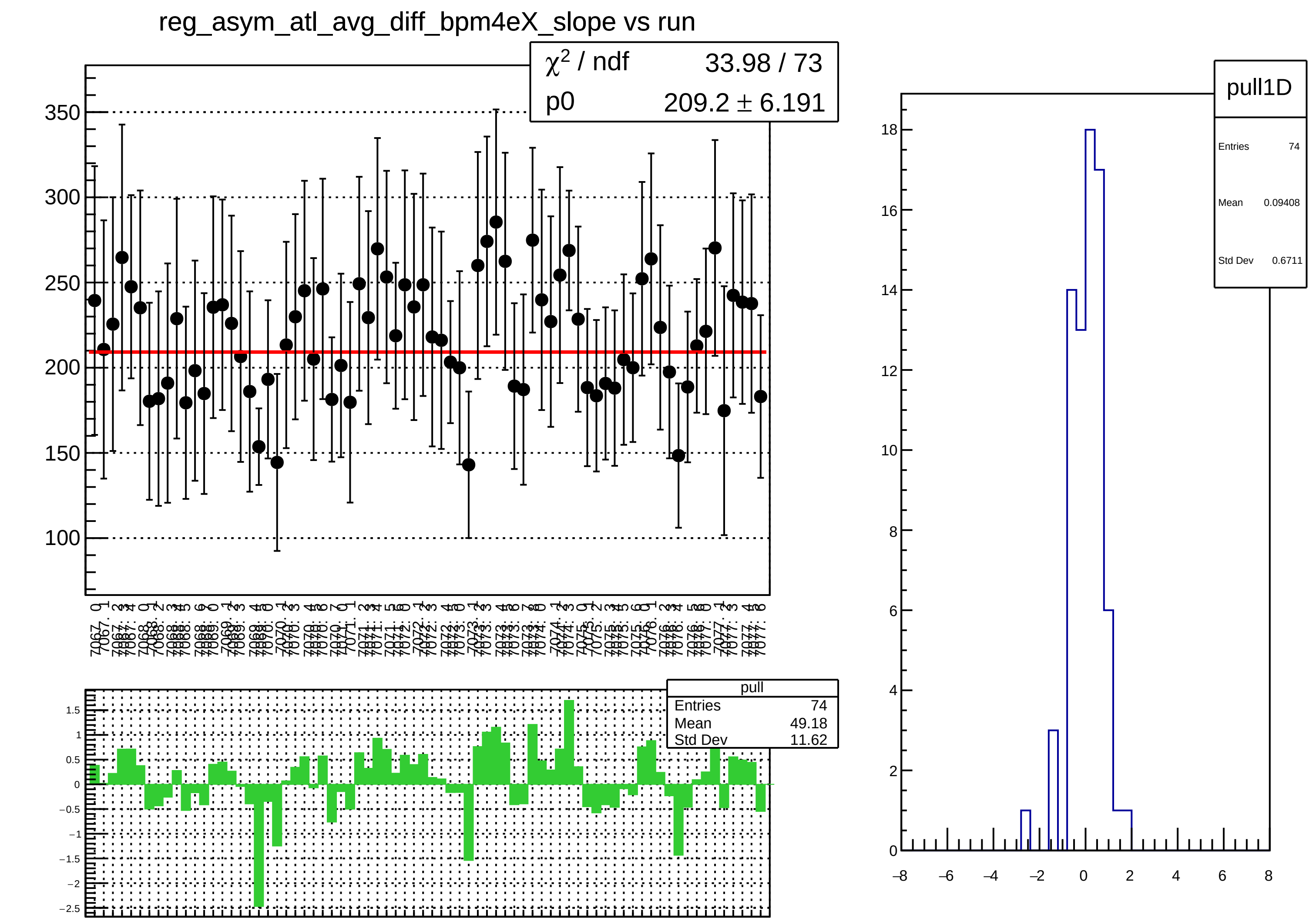
reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 10.5 / 73
p0 −252.8 ± 0.4051
pull
Entries 74
Mean 16.43
Std Dev 41.47
pull1D
Entries 74
Mean 0.0199
Std Dev 0.3762



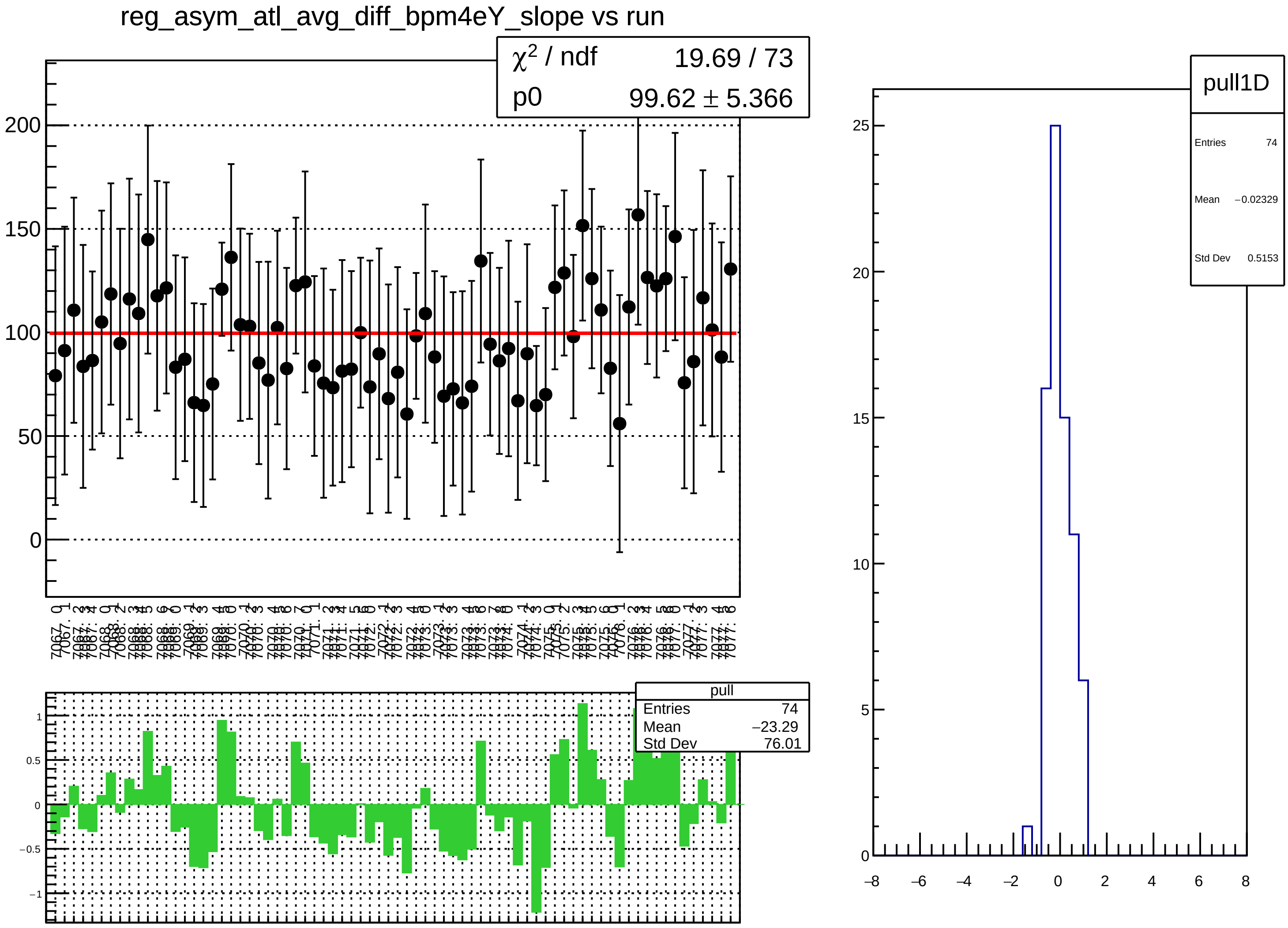
reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 33.79 / 73
p0 −230.9 ± 6.432
pull
Entries 74
Mean 47.77
Std Dev 11.5
pull1D
Entries 74
Mean −0.09184
Std Dev 0.6695



reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 16.17 / 73
p0 −18.51 ± 5.164
pull
Entries 74
Mean −28.03
Std Dev 76.62
pull1D
Entries 74
Mean 0.02025
Std Dev 0.4671

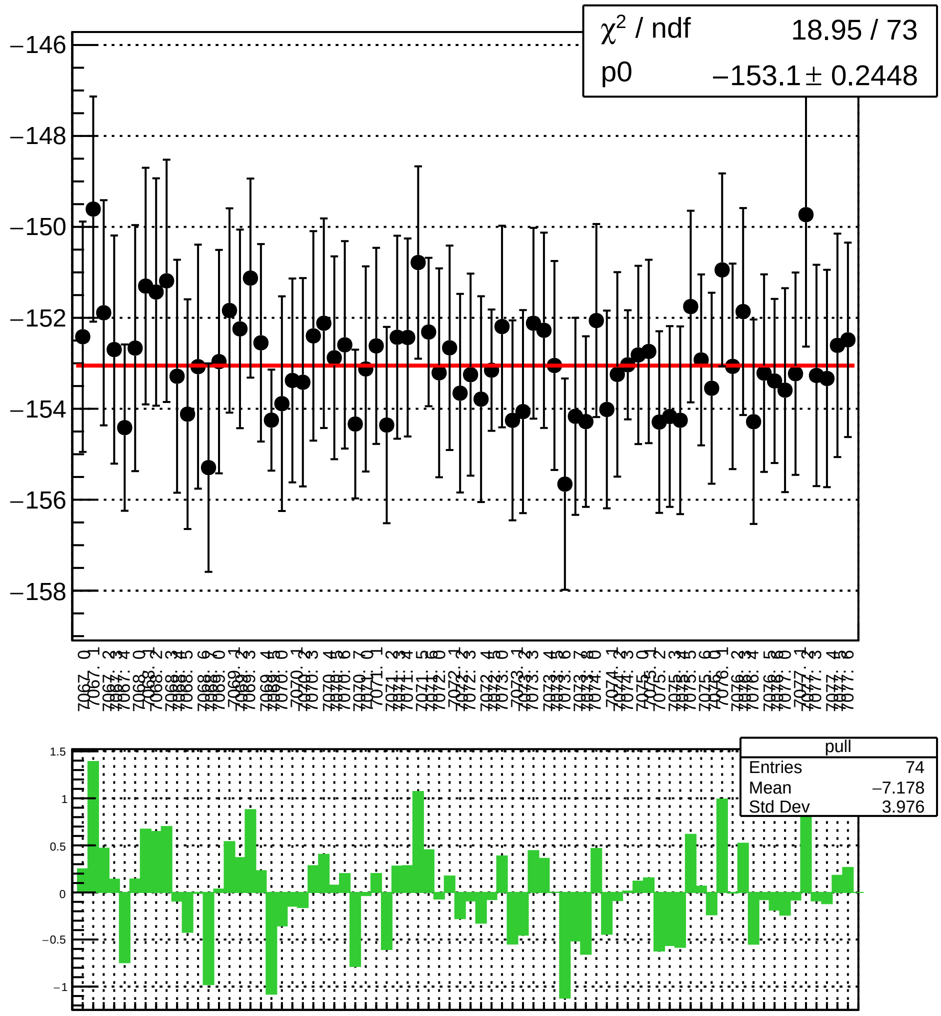


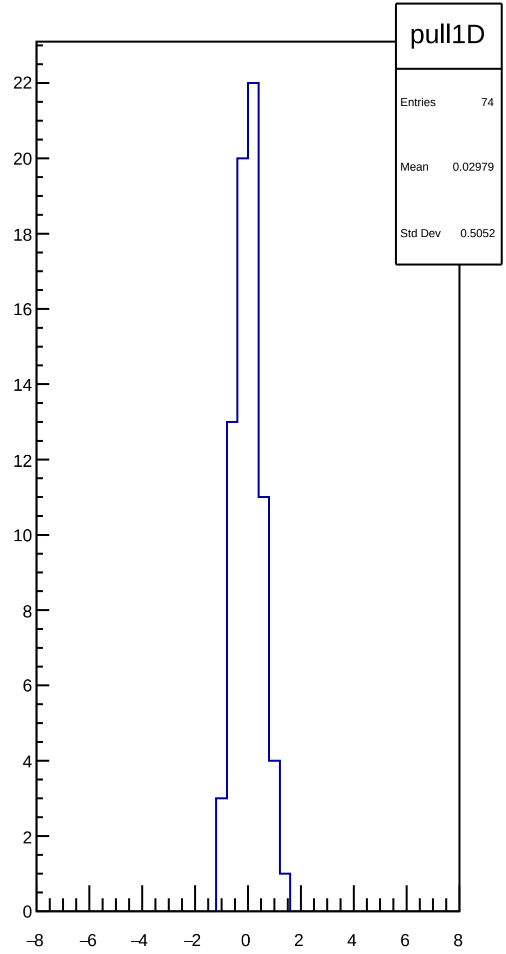
reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 33.98 / 73
p0 209.2 ± 6.191
pull
Entries 74
Mean 49.18
Std Dev 11.62
pull1D
Entries 74
Mean 0.09408
Std Dev 0.6711

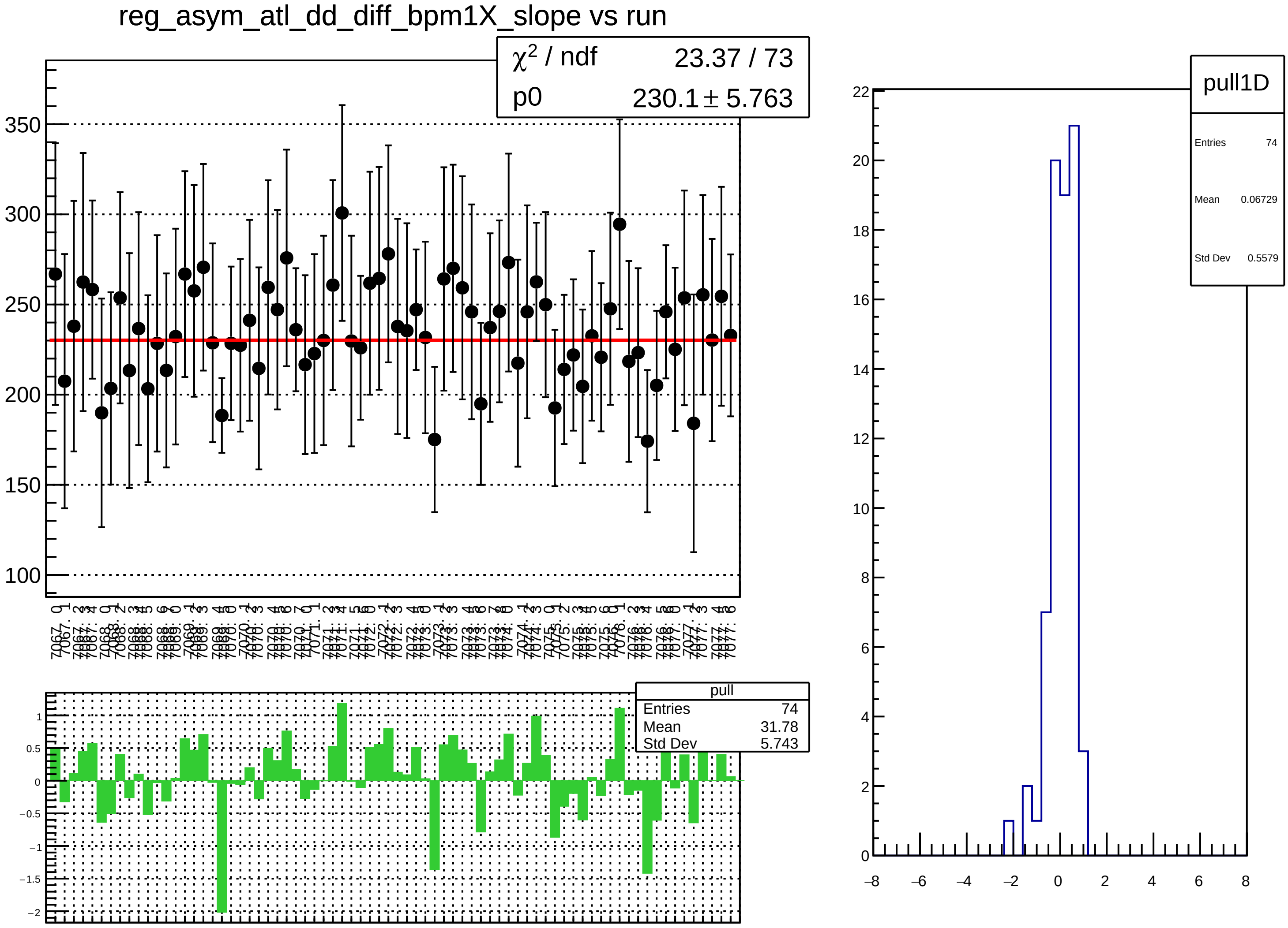


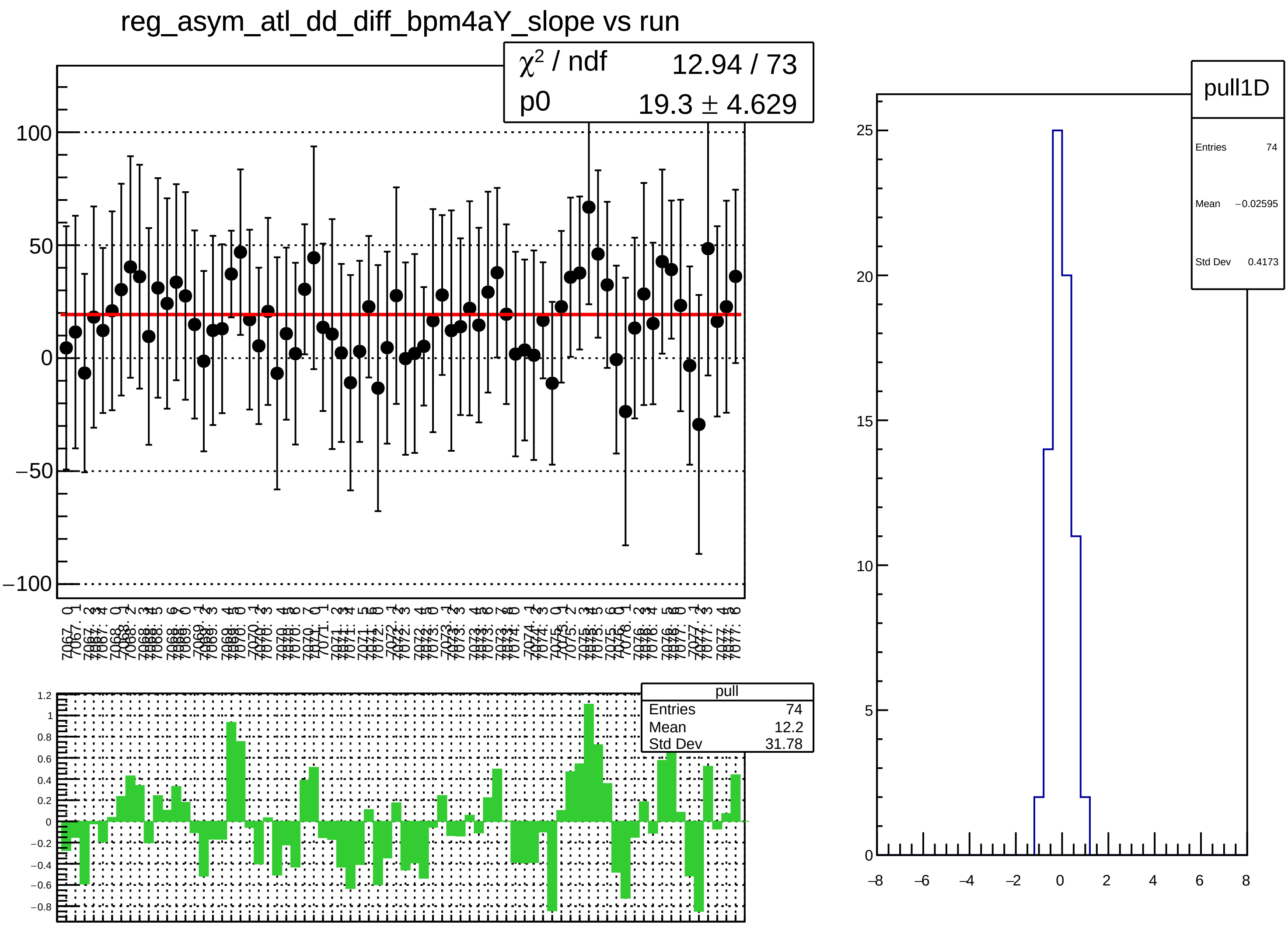
reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 19.69 / 73
p0 99.62 ± 5.366
pull
Entries 74
Mean −23.29
Std Dev 76.01
pull1D
Entries 74
Mean −0.02329
Std Dev 0.5153

reg_asym_atl_avg_diff_bpm12X_slope vs run

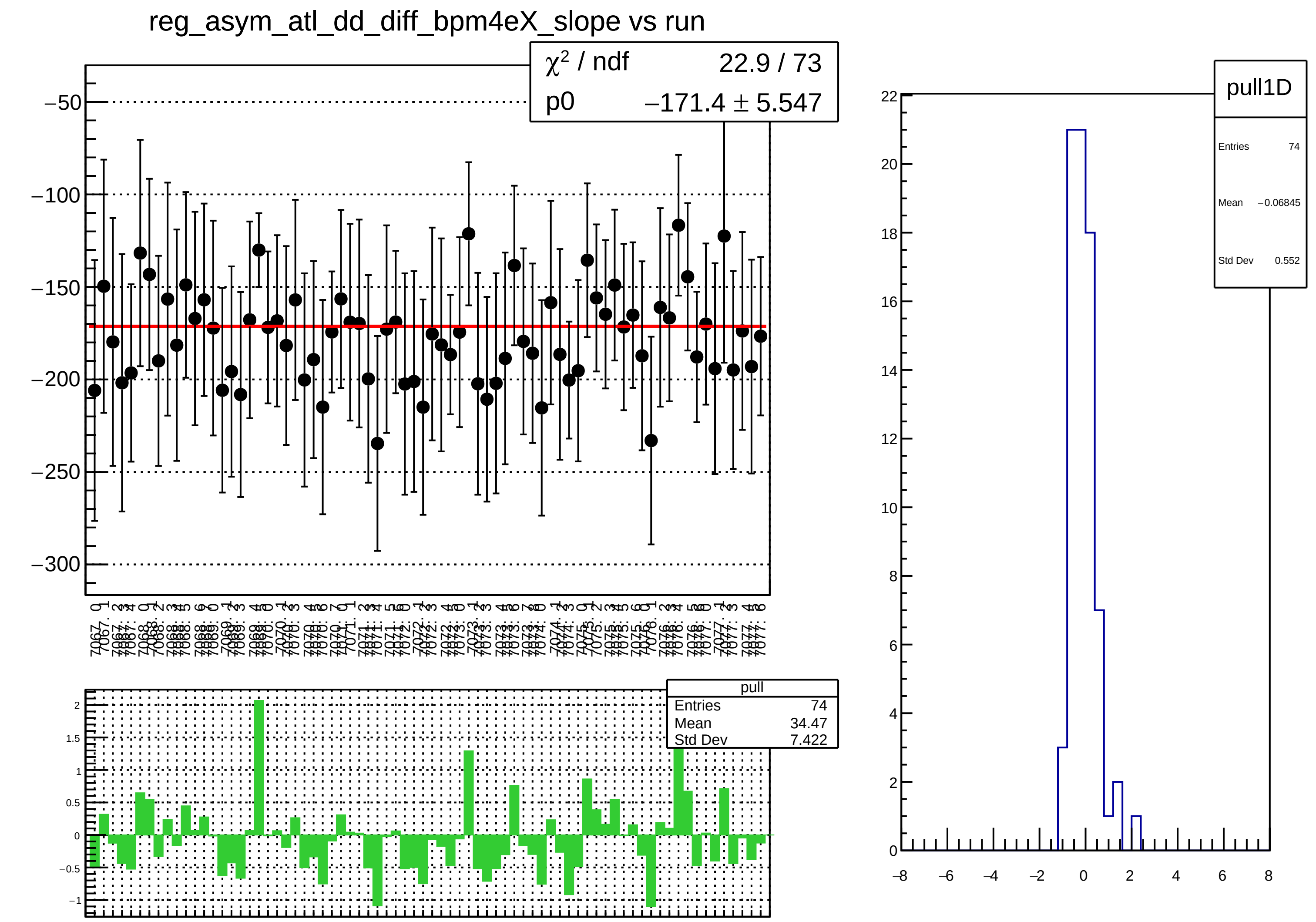




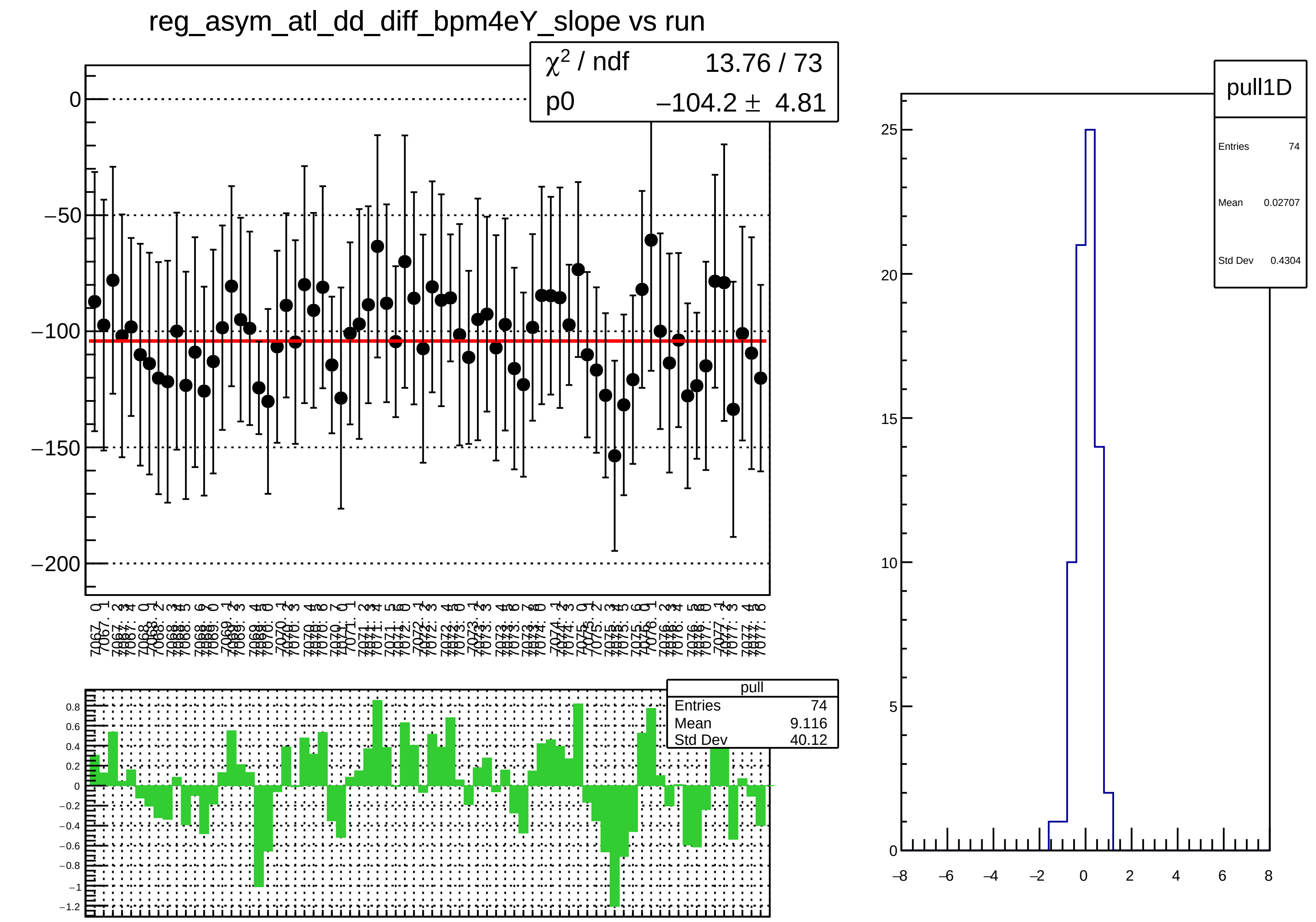

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 23.37 / 73
p0 230.1 ± 5.763
100
150
200
250
300
350
pull
Entries 74
Mean 31.78
Std Dev 5.743
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 74
Mean 0.06729
Std Dev 0.5579
0
2
4
6
8
10
12
14
16
18
20
22
−8
−6
−4
−2
0
2
4
6
8



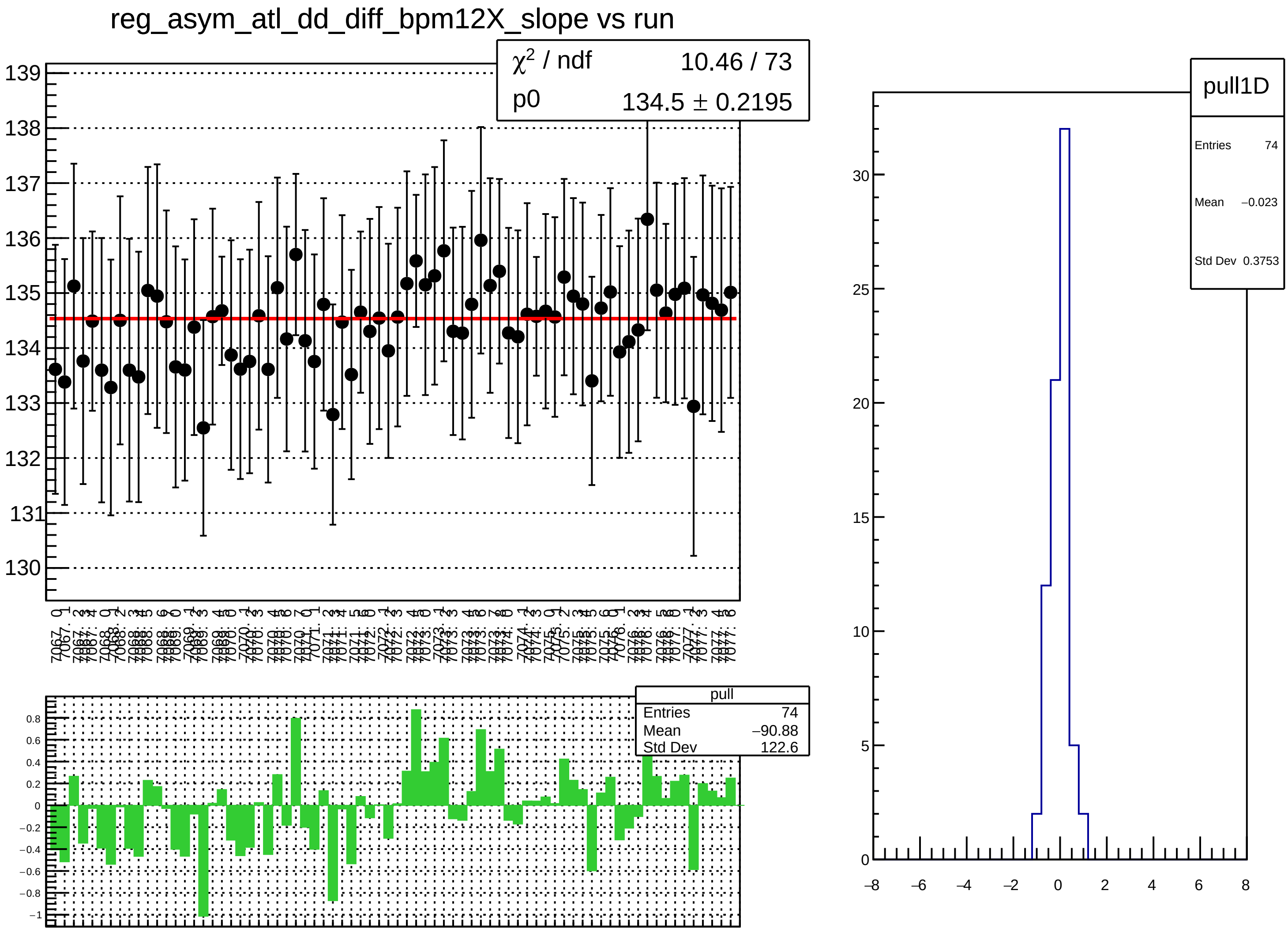
reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 12.94 / 73
p0 19.3 ± 4.629
pull
Entries 74
Mean 12.2
Std Dev 31.78
pull1D
Entries 74
Mean −0.02595
Std Dev 0.4173



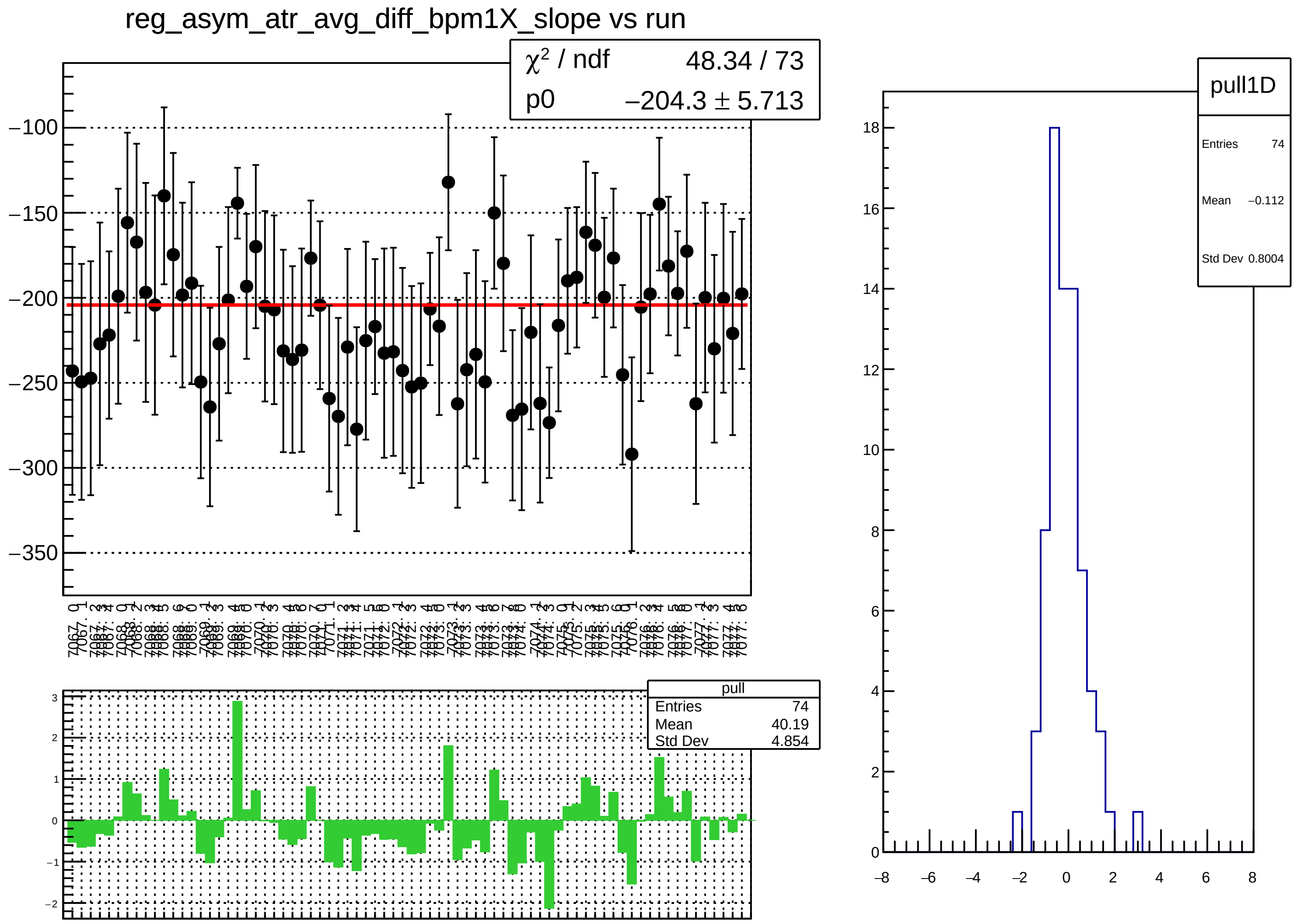
reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ2 / ndf 22.9 / 73
p0 −171.4 ± 5.547
pull
Entries 74
Mean 34.47
Std Dev 7.422
pull1D
Entries 74
Mean −0.06845
Std Dev 0.552



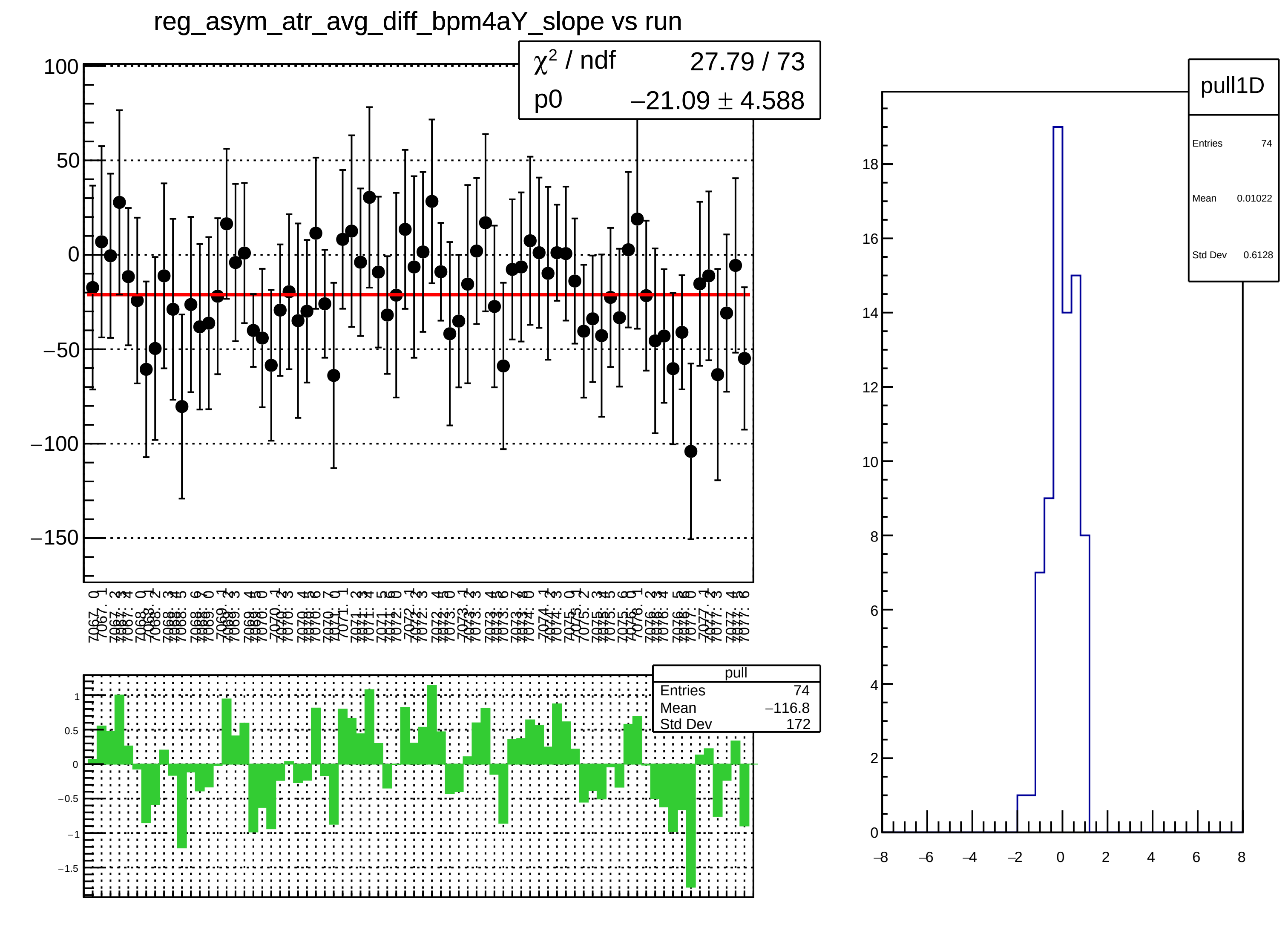
reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 13.76 / 73
p0 −104.2 ± 4.81
0
−50
−100
−150
−200
pull
Entries 74
Mean 9.116
Std Dev 40.12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 74
Mean 0.02707
Std Dev 0.4304
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

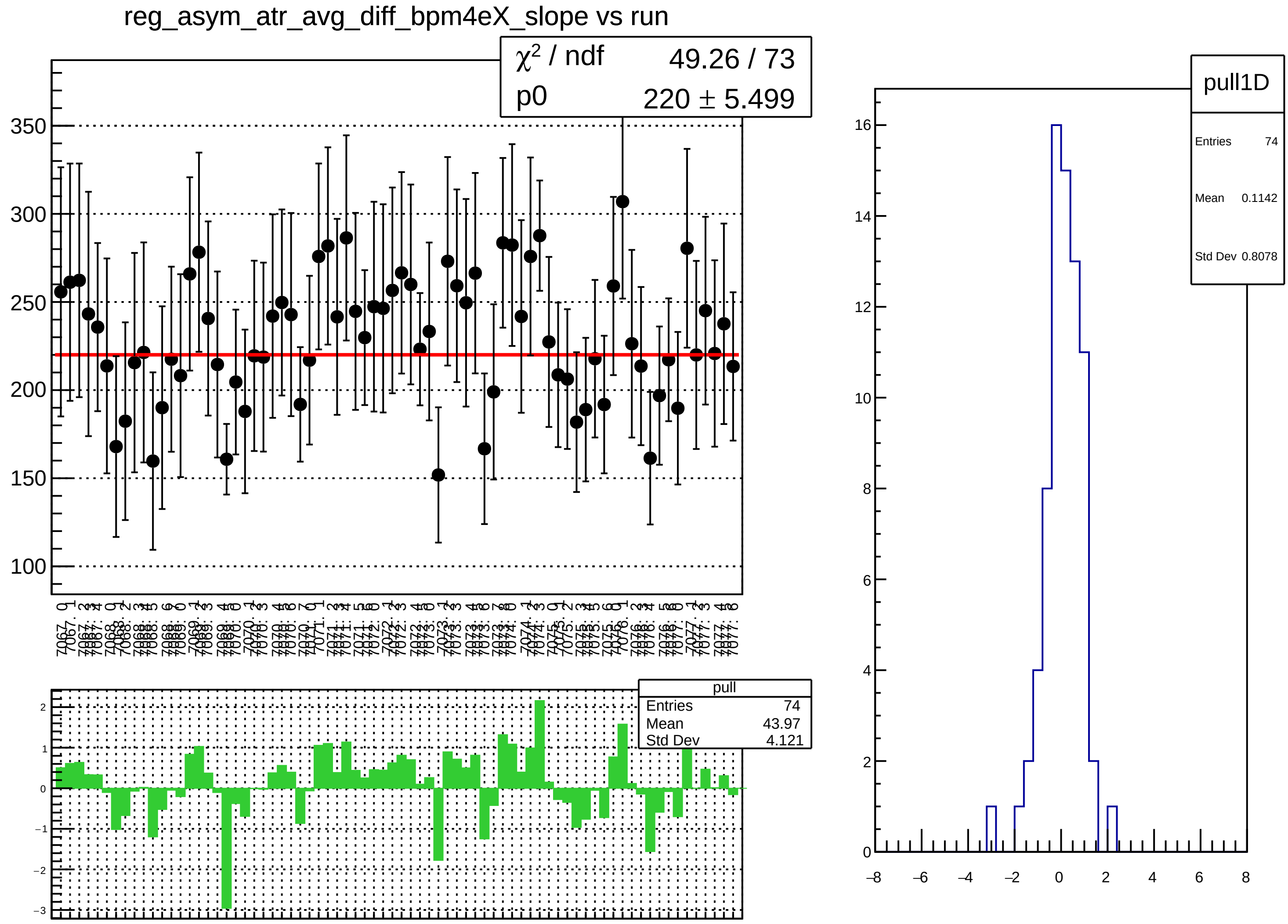


reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.46 / 73
p0 134.5 ± 0.2195
pull
Entries 74
Mean −90.88
Std Dev 122.6
pull1D
Entries 74
Mean −0.023
Std Dev 0.3753

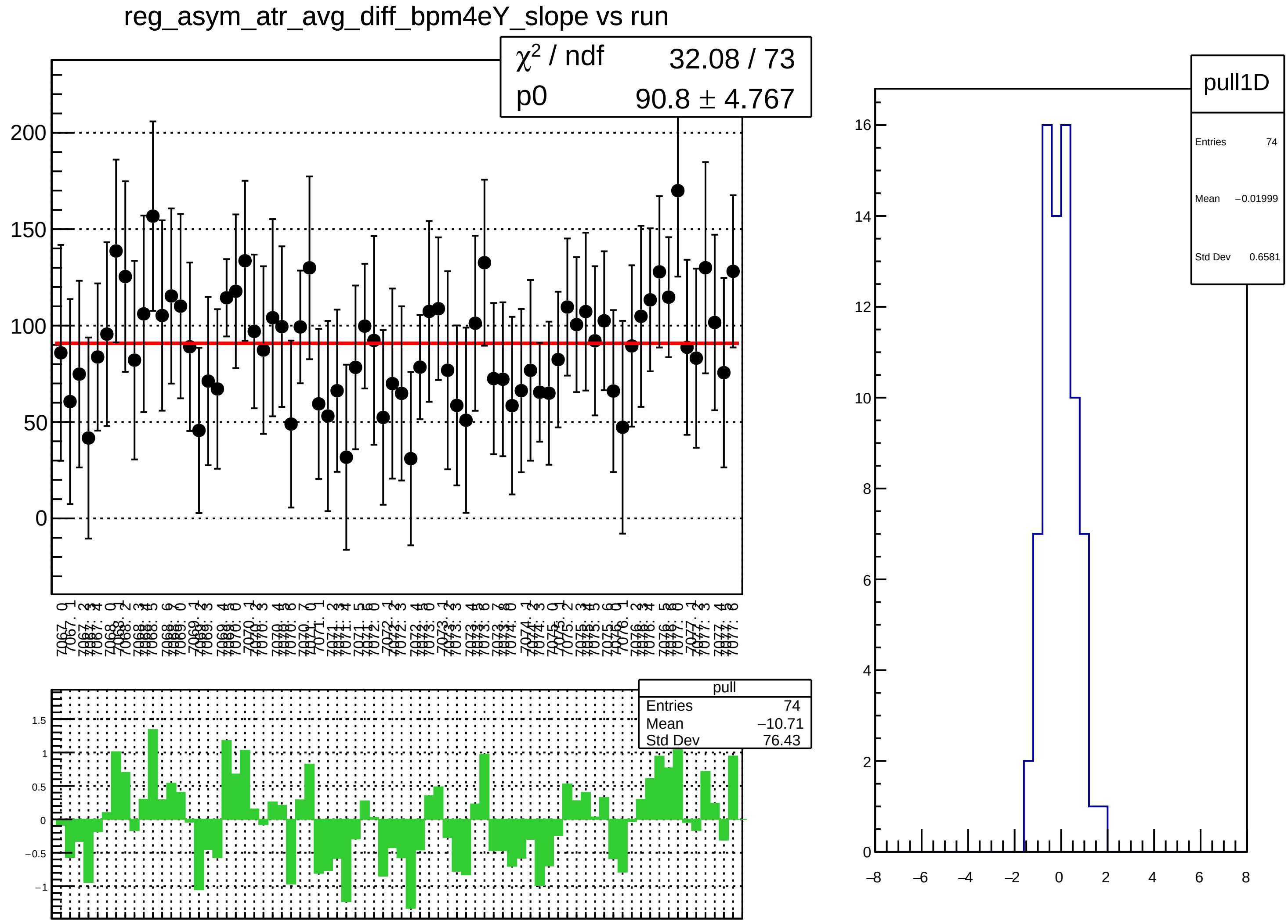


reg_asym_atr_avg_diff_bpm1X_slope vs run
χ2 / ndf 48.34 / 73
p0 −204.3 ± 5.713
pull
Entries 74
Mean 40.19
Std Dev 4.854
pull1D
Entries 74
Mean −0.112
Std Dev 0.8004

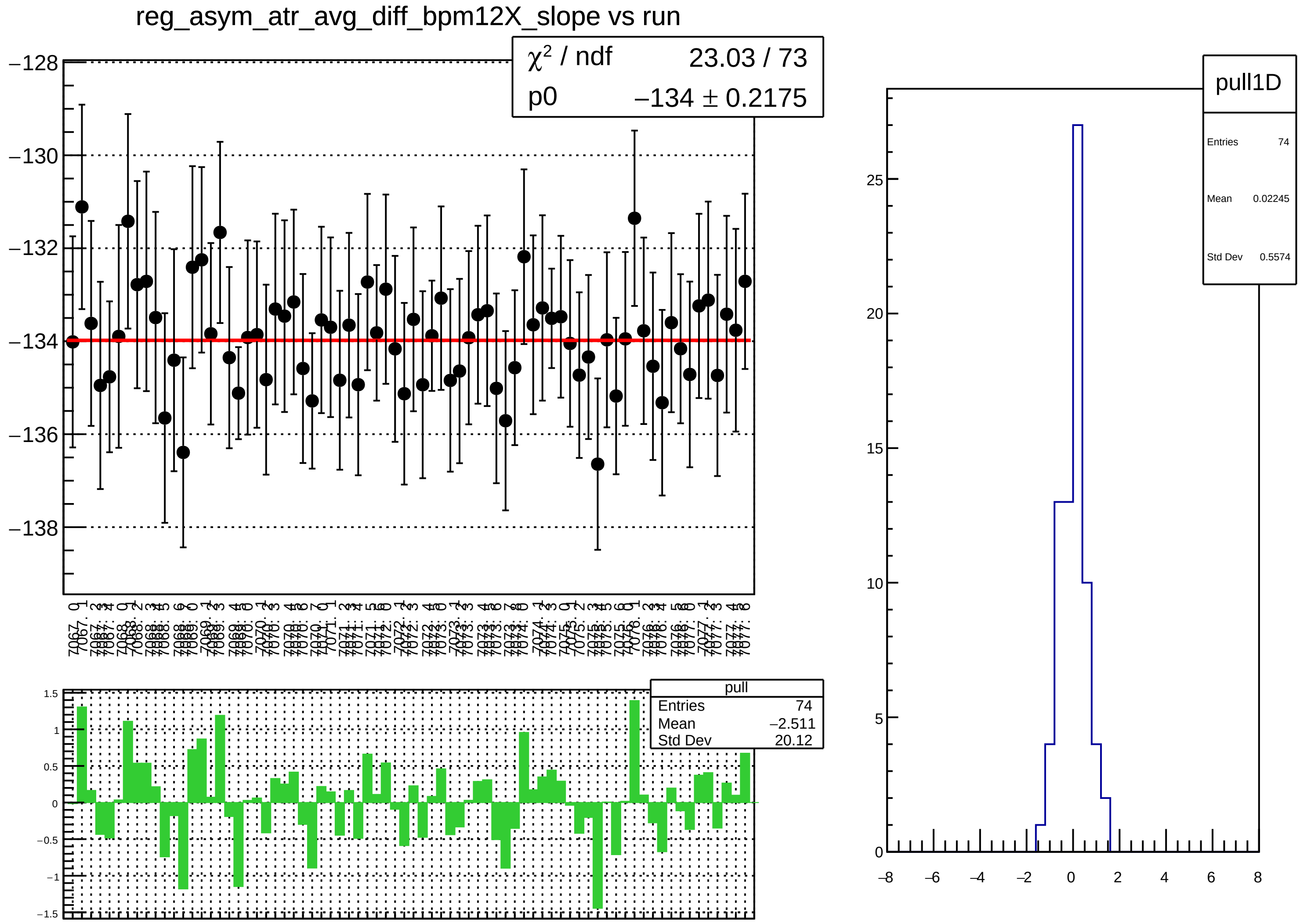

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 27.79 / 73
p0 −21.09 ± 4.588
100
50
0
−50
−100
−150
pull
Entries 74
Mean −116.8
Std Dev 172
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 74
Mean 0.01022
Std Dev 0.6128
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

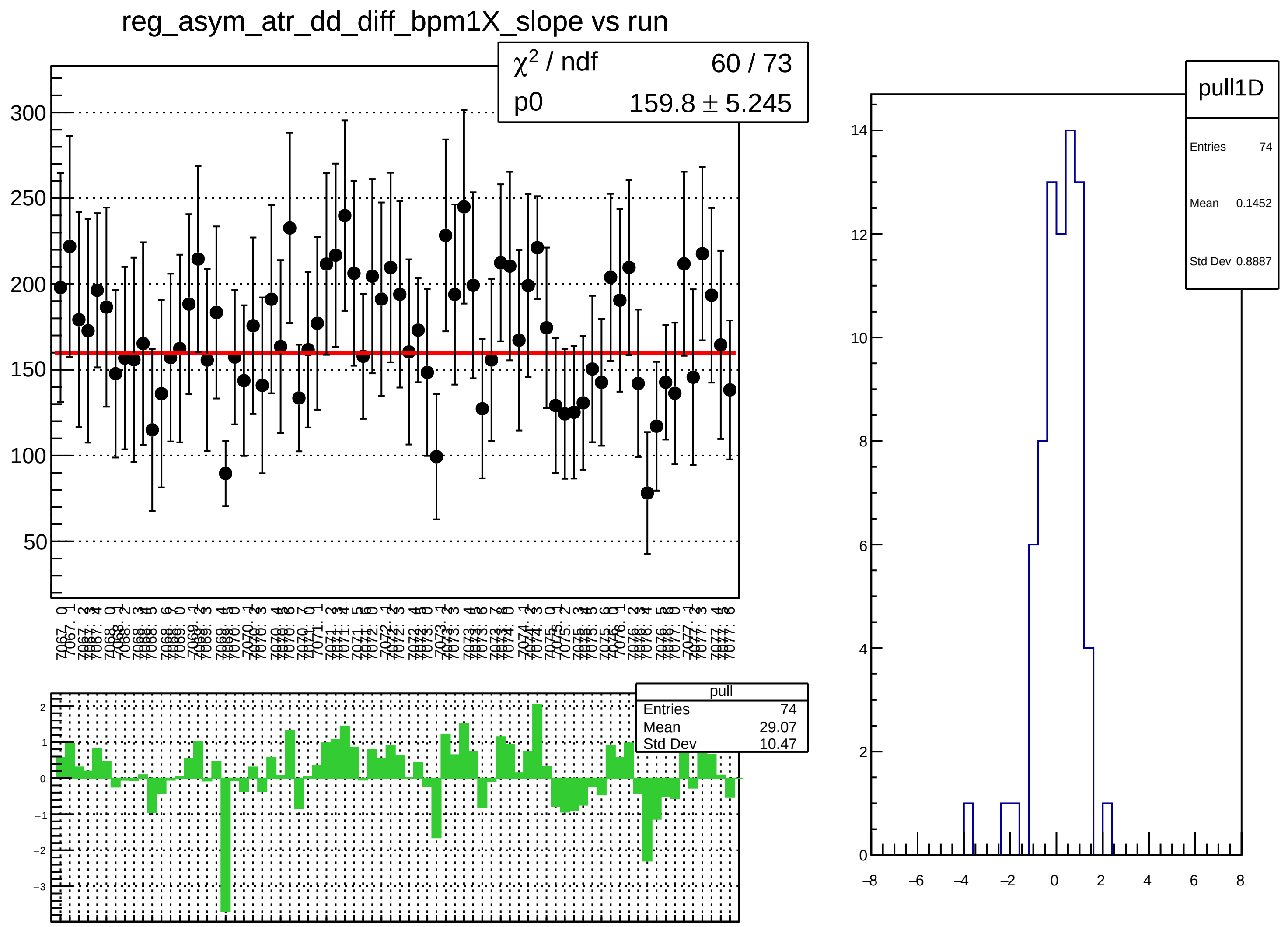


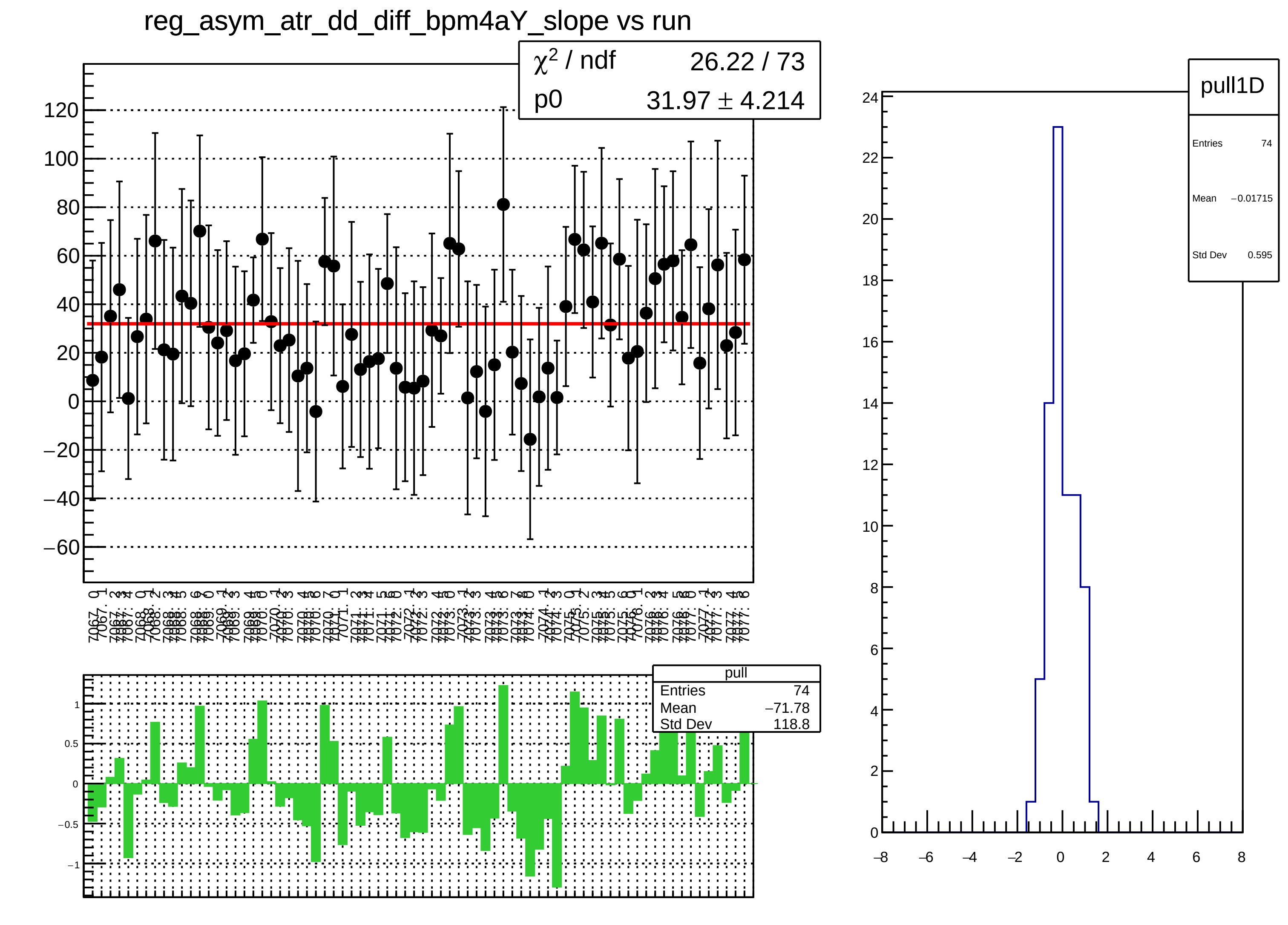
reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ2 / ndf 49.26 / 73
p0 220 ± 5.499
pull
Entries 74
Mean 43.97
Std Dev 4.121
pull1D
Entries 74
Mean 0.1142
Std Dev 0.8078

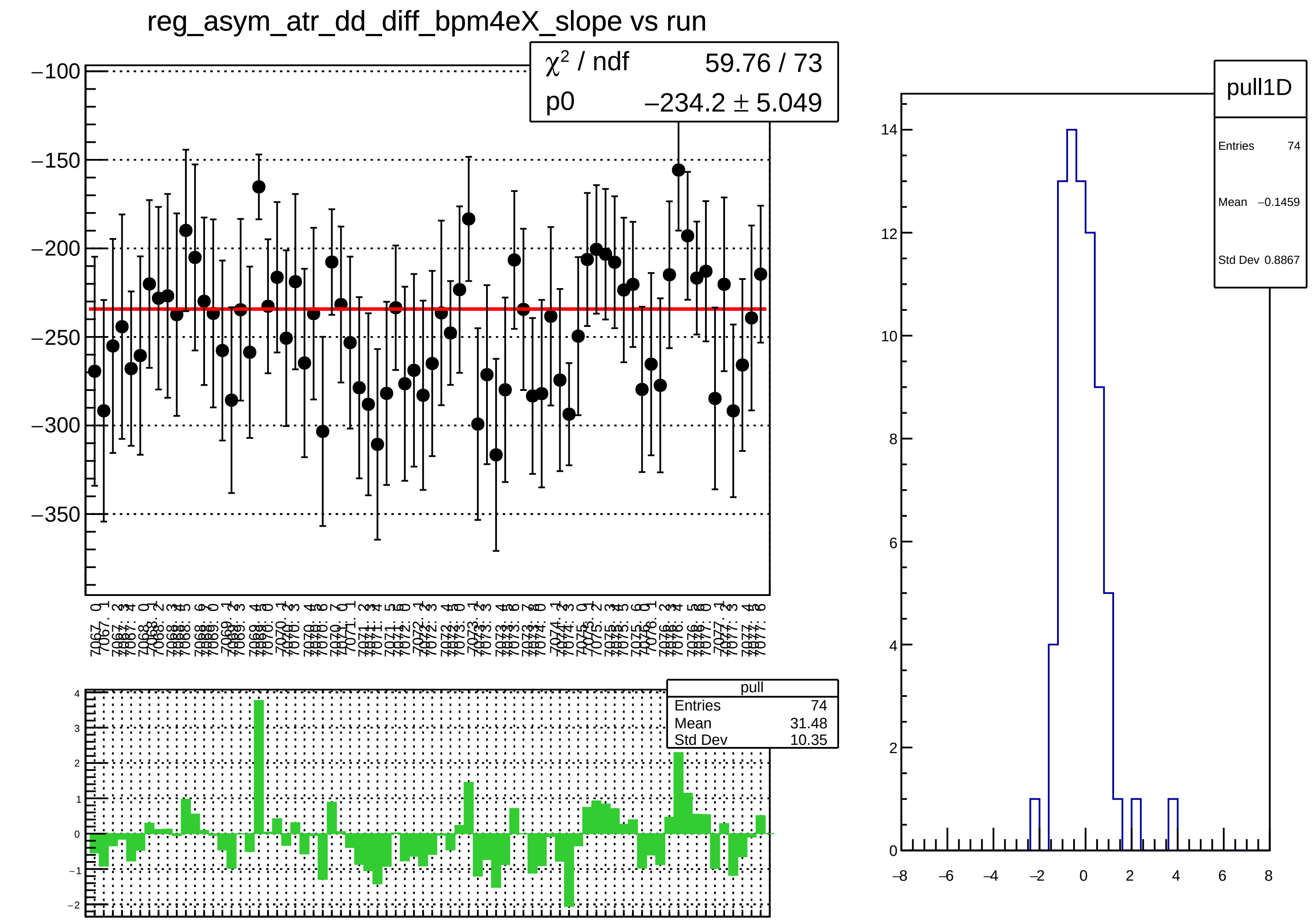


reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.08 / 73
p0 90.8 ± 4.767
pull
Entries 74
Mean −10.71
Std Dev 76.43
pull1D
Entries 74
Mean −0.01999
Std Dev 0.6581

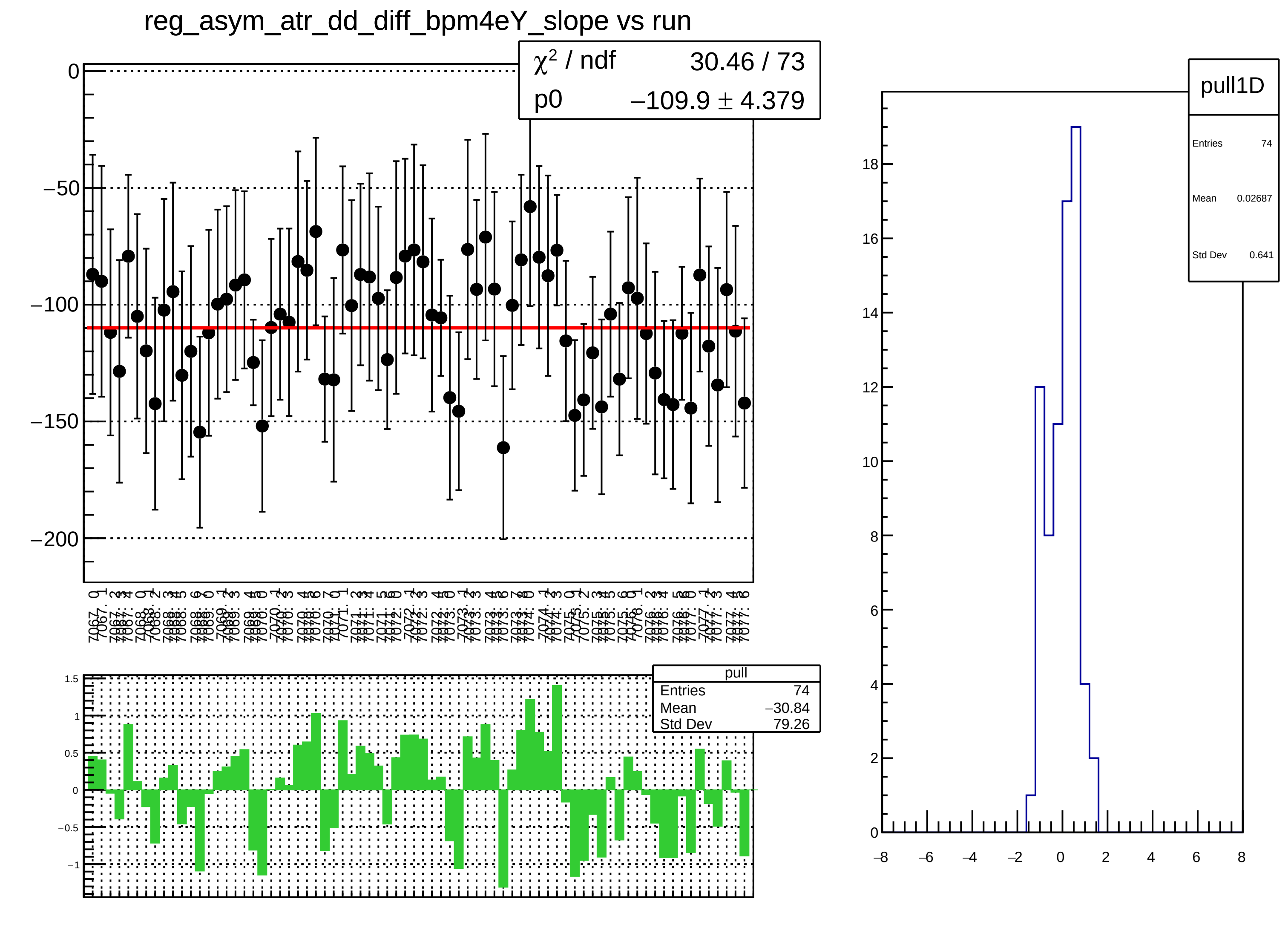

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ2 / ndf 23.03 / 73
p0 −134 ± 0.2175
pull
Entries 74
Mean −2.511
Std Dev 20.12
pull1D
Entries 74
Mean 0.02245
Std Dev 0.5574


reg_asym_atr_dd_diff_bpm1X_slope vs run
χ2 / ndf 60 / 73
p0 159.8 ± 5.245
pull
Entries 74
Mean 29.07
Std Dev 10.47
pull1D
Entries 74
Mean 0.1452
Std Dev 0.8887

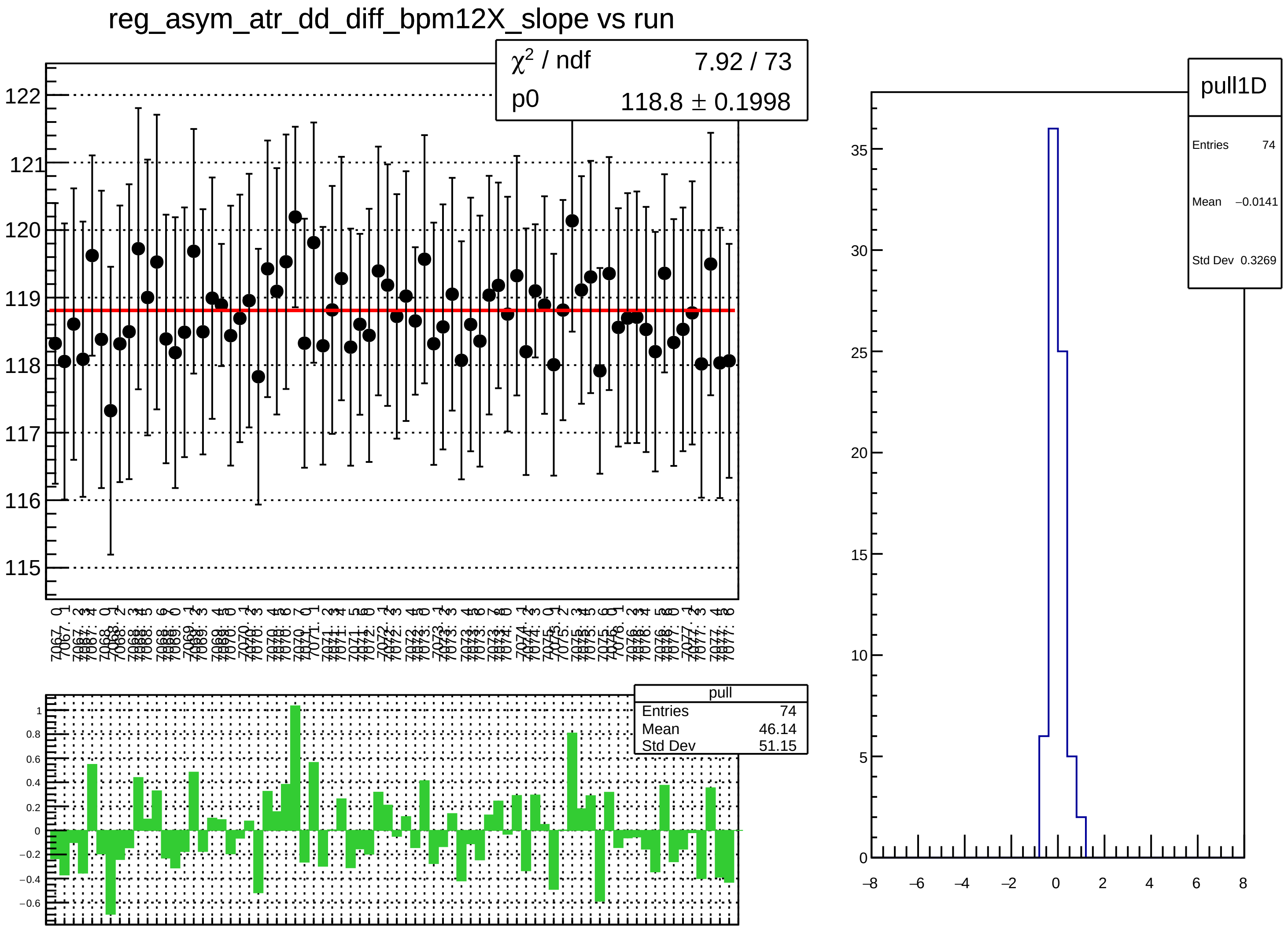

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 26.22 / 73
p0 31.97 ± 4.214
pull
Entries 74
Mean −71.78
Std Dev 118.8
pull1D
Entries 74
Mean −0.01715
Std Dev 0.595



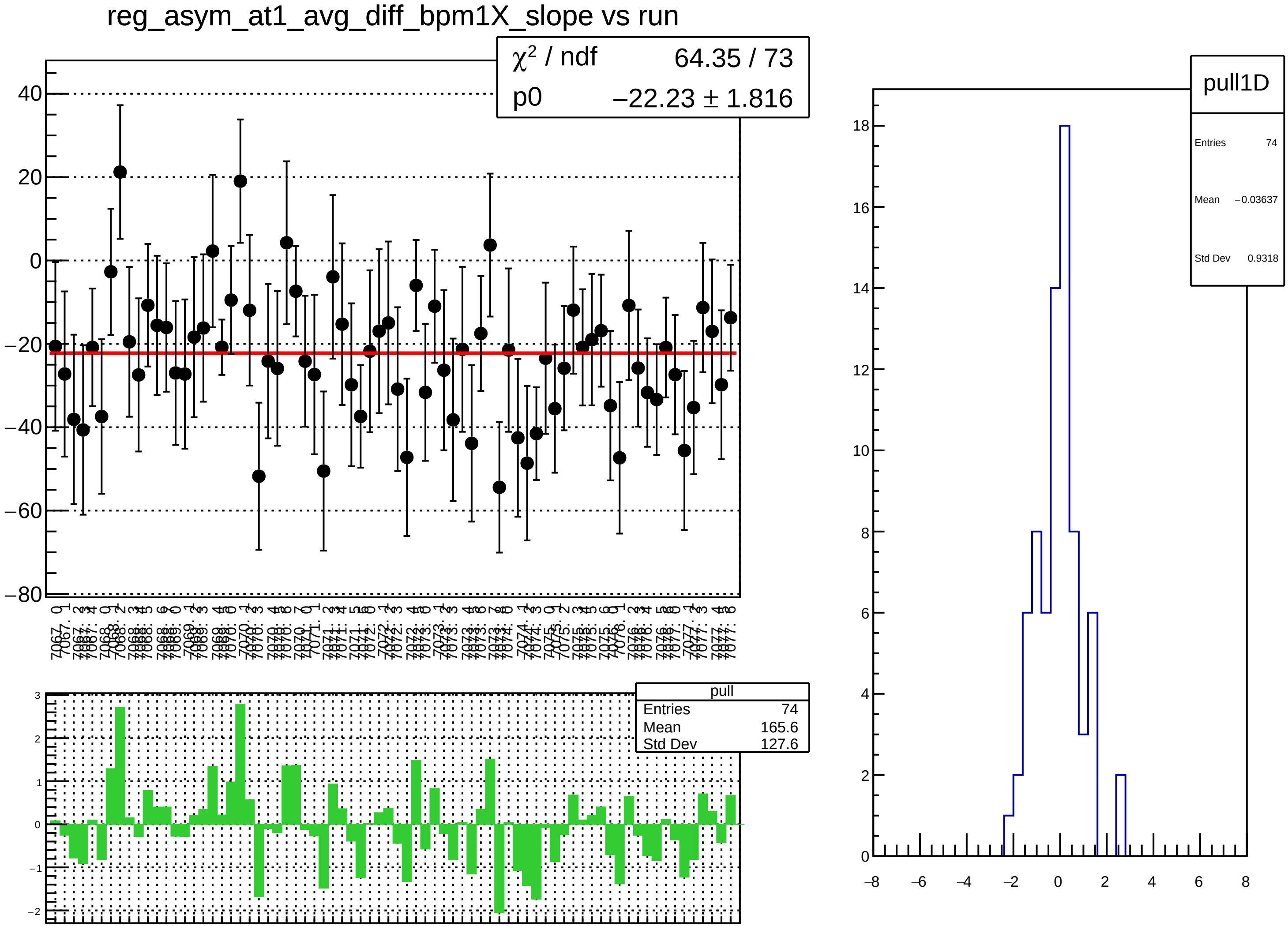
reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ2 / ndf 59.76 / 73
p0 −234.2 ± 5.049
pull
Entries 74
Mean 31.48
Std Dev 10.35
pull1D
Entries 74
Mean −0.1459
Std Dev 0.8867



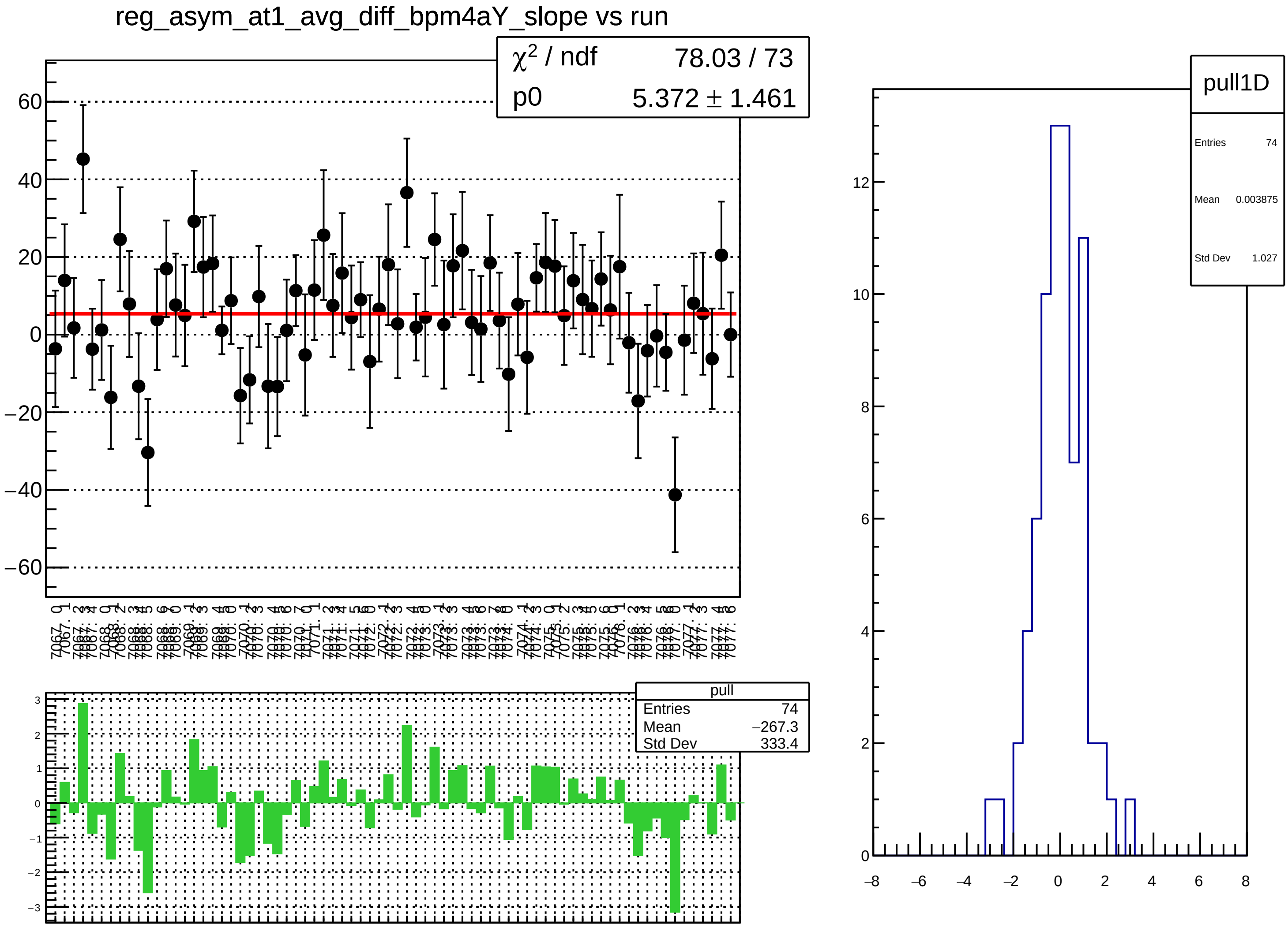
reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 30.46 / 73
p0 −109.9 ± 4.379
pull
Entries 74
Mean −30.84
Std Dev 79.26
pull1D
Entries 74
Mean 0.02687
Std Dev 0.641



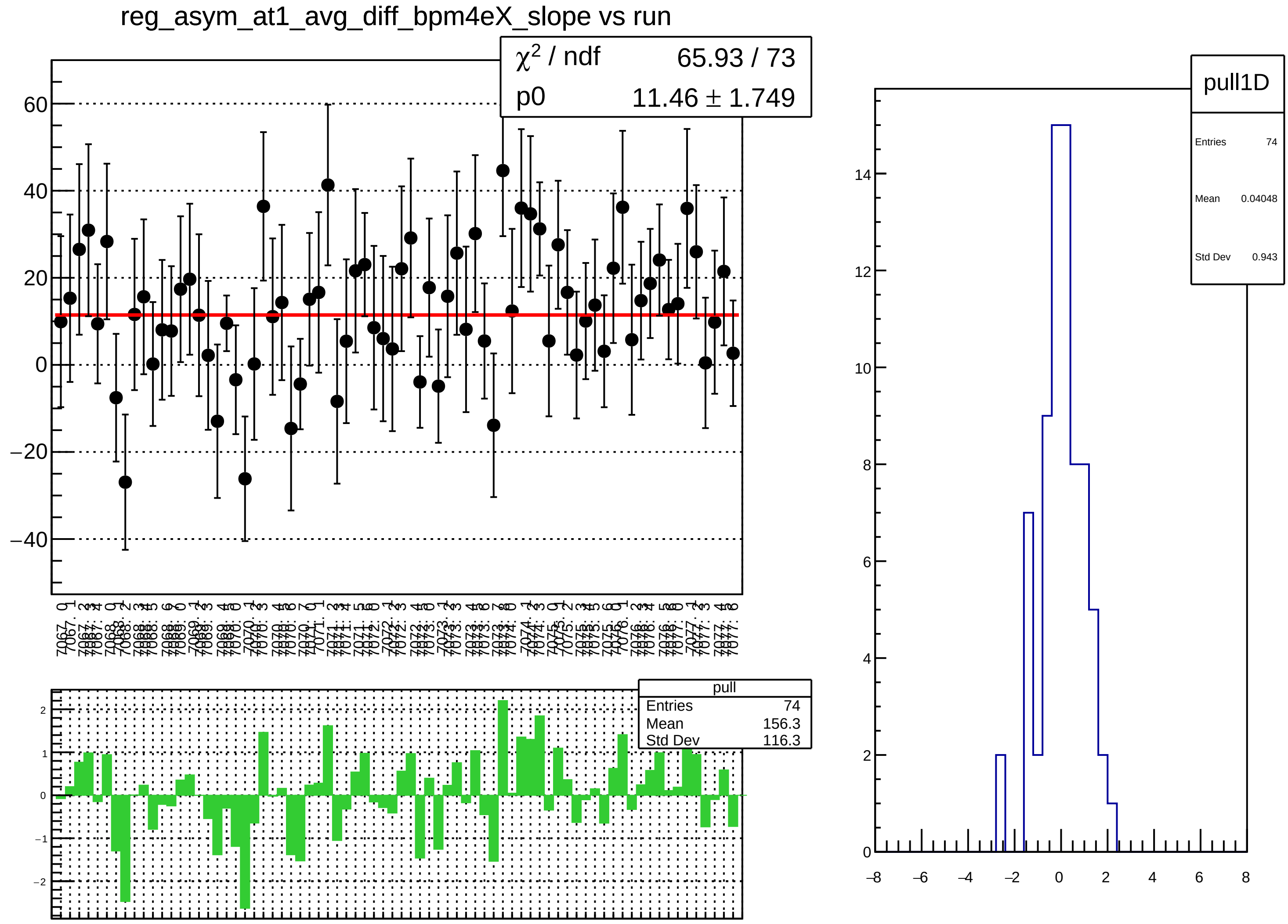
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.92 / 73
p0 118.8 ± 0.1998
pull
Entries 74
Mean 46.14
Std Dev 51.15
pull1D
Entries 74
Mean −0.0141
Std Dev 0.3269



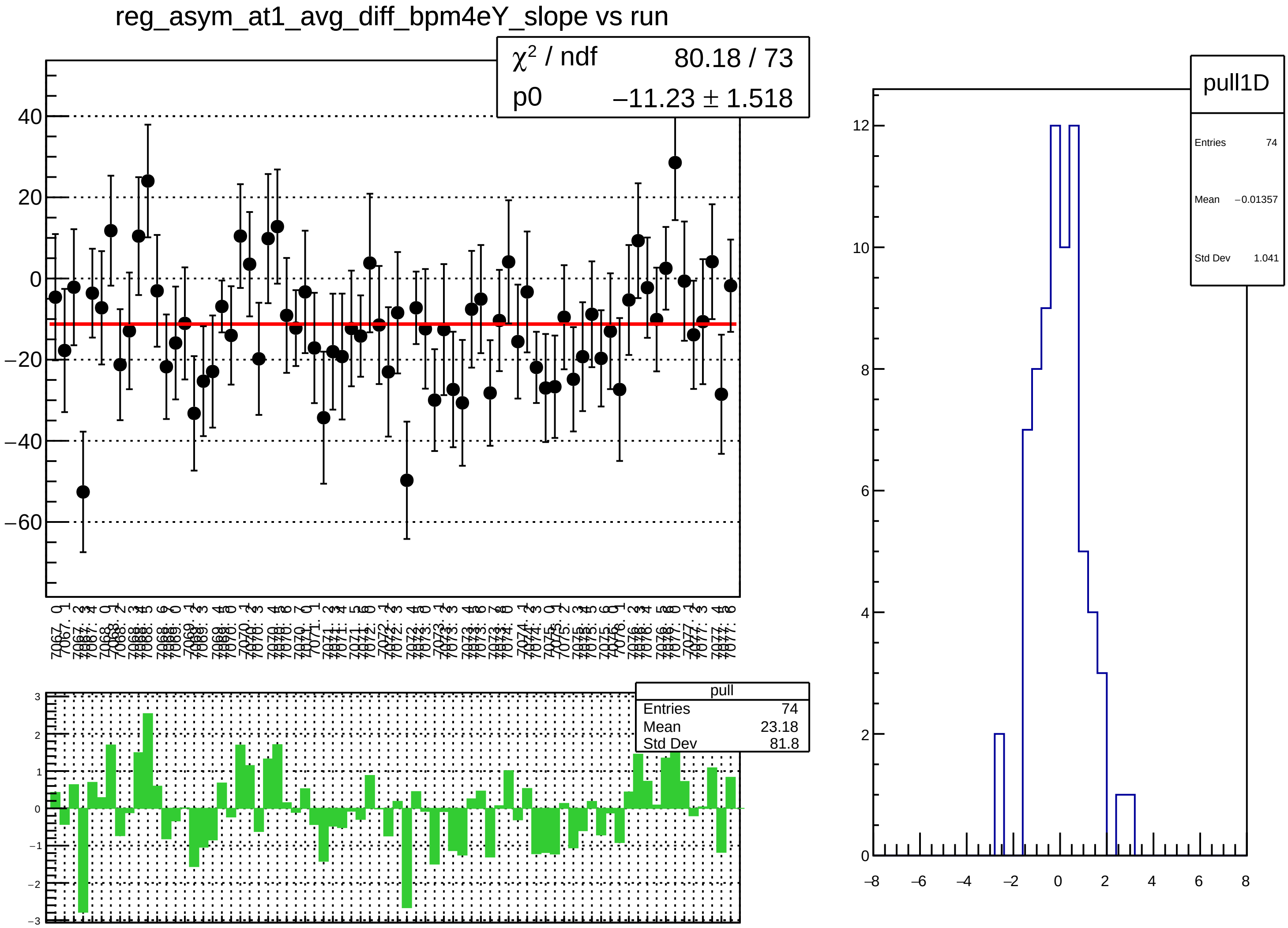
reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 64.35 / 73
p0 −22.23 ± 1.816
pull
Entries 74
Mean 165.6
Std Dev 127.6
pull1D
Entries 74
Mean −0.03637
Std Dev 0.9318



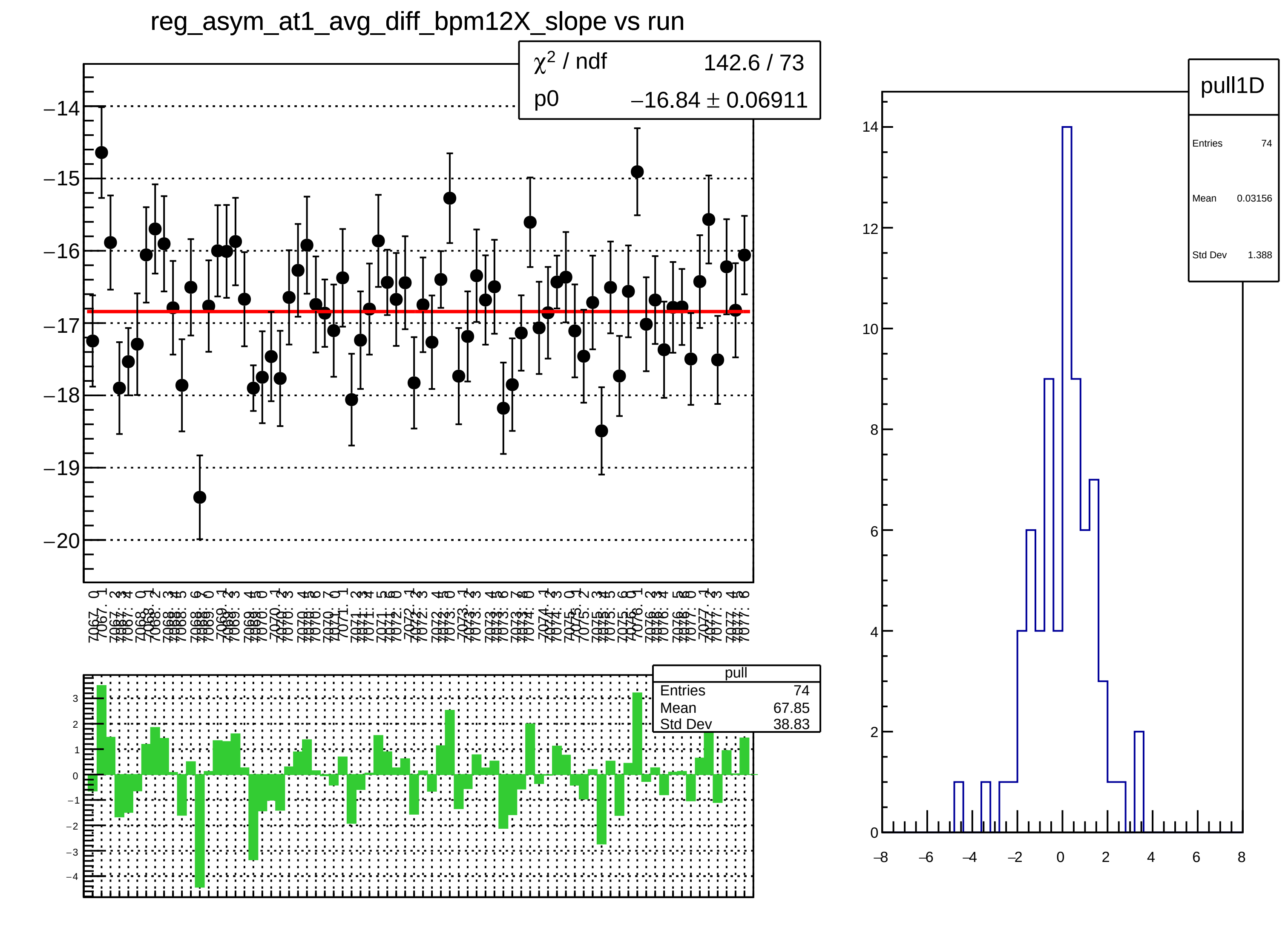
reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 78.03 / 73
p0 5.372 ± 1.461
pull
Entries 74
Mean −267.3
Std Dev 333.4
pull1D
Entries 74
Mean 0.003875
Std Dev 1.027



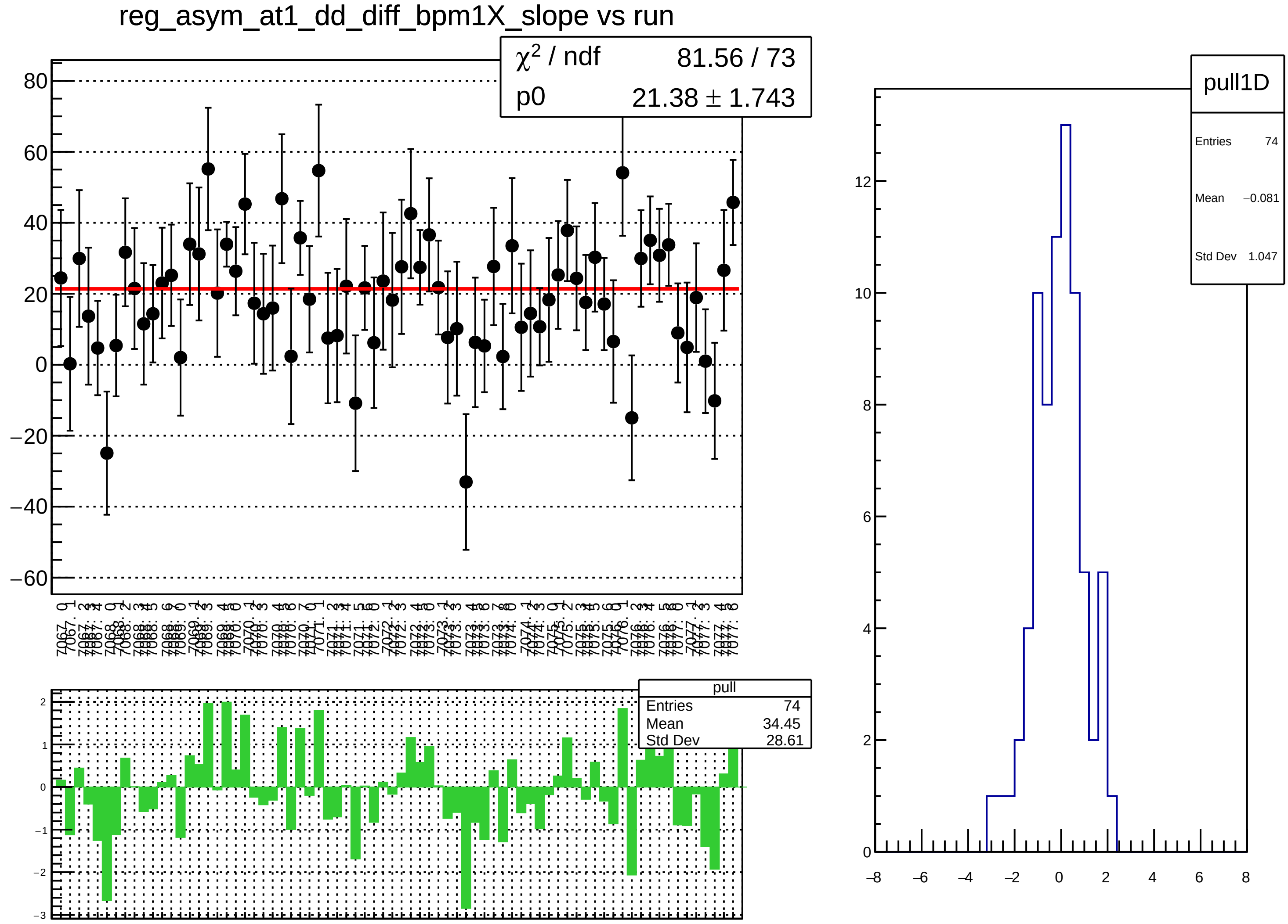
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 65.93 / 73
p0 11.46 ± 1.749
pull
Entries 74
Mean 156.3
Std Dev 116.3
pull1D
Entries 74
Mean 0.04048
Std Dev 0.943



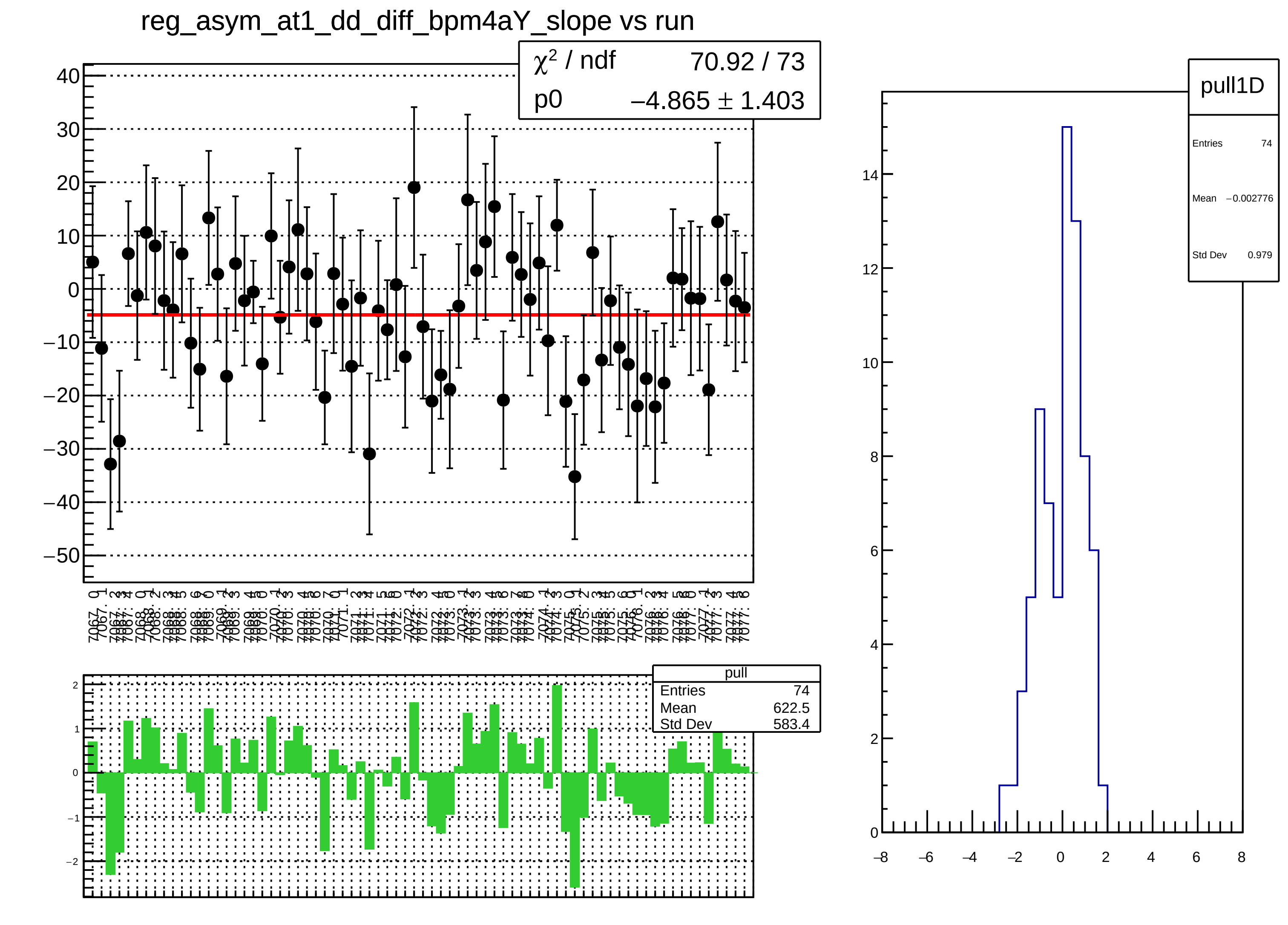
reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 80.18 / 73
p0 −11.23 ± 1.518
40
20
0
−20
−40
−60
pull
Entries 74
Mean 23.18
Std Dev 81.8
3
2
1
0
−1
−2
−3
pull1D
Entries 74
Mean −0.01357
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



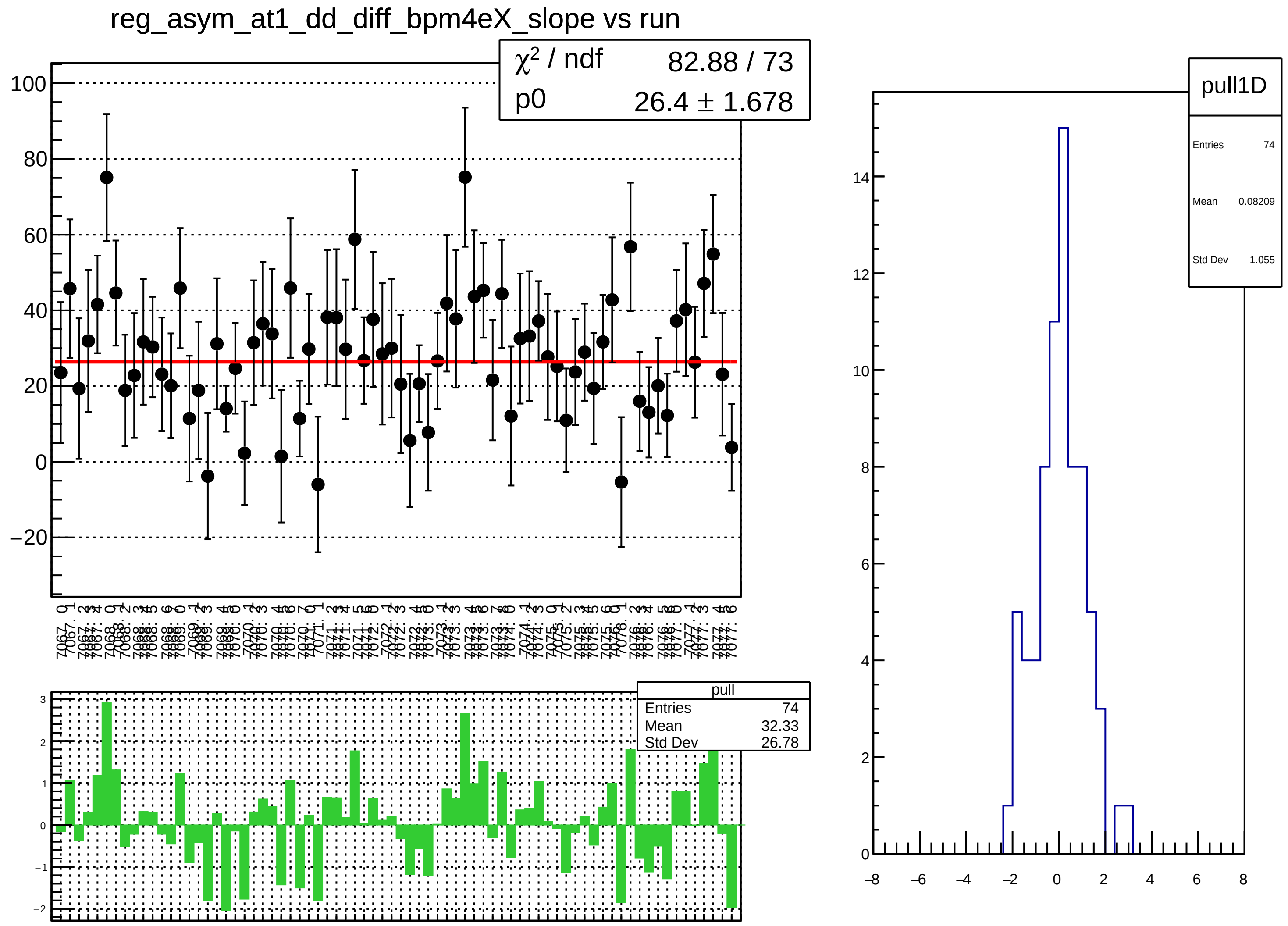
reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 142.6 / 73
p0 −16.84 ± 0.06911
pull
Entries 74
Mean 67.85
Std Dev 38.83
pull1D
Entries 74
Mean 0.03156
Std Dev 1.388



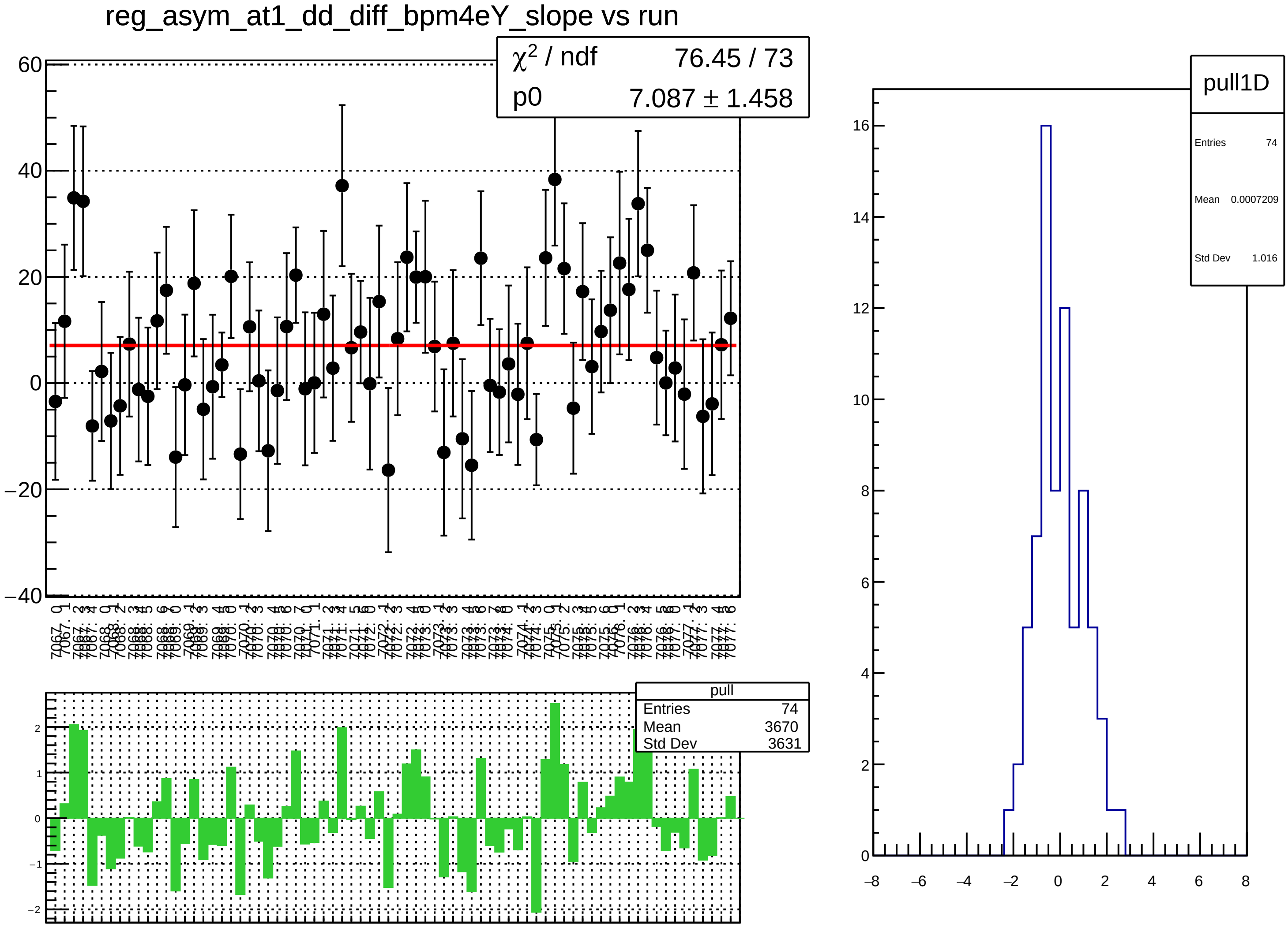
reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 81.56 / 73
p0 21.38 ± 1.743
pull
Entries 74
Mean 34.45
Std Dev 28.61
pull1D
Entries 74
Mean −0.081
Std Dev 1.047



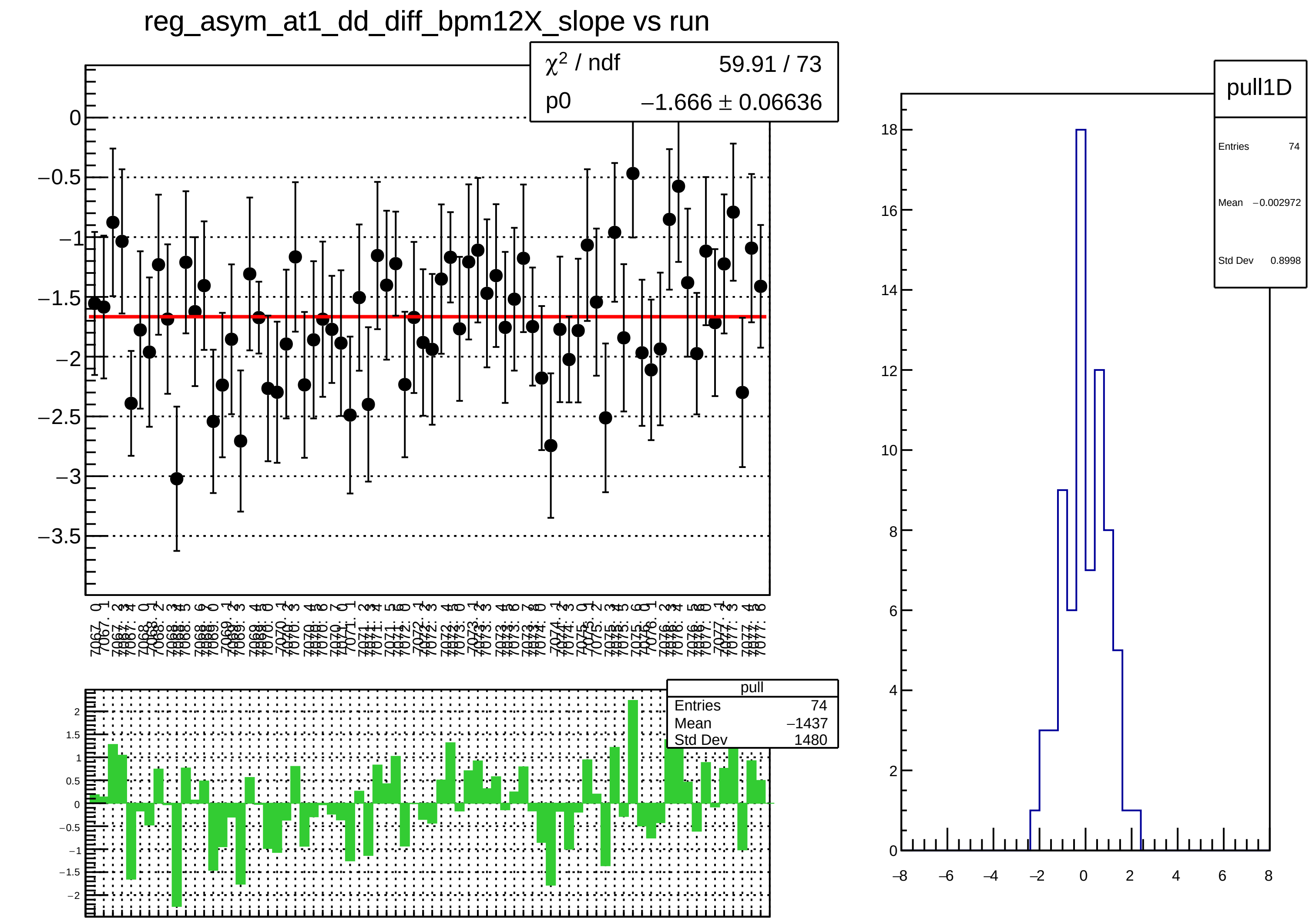
reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ2 / ndf 70.92 / 73
p0 −4.865 ± 1.403
pull
Entries 74
Mean 622.5
Std Dev 583.4
pull1D
Entries 74
Mean −0.002776
Std Dev 0.979



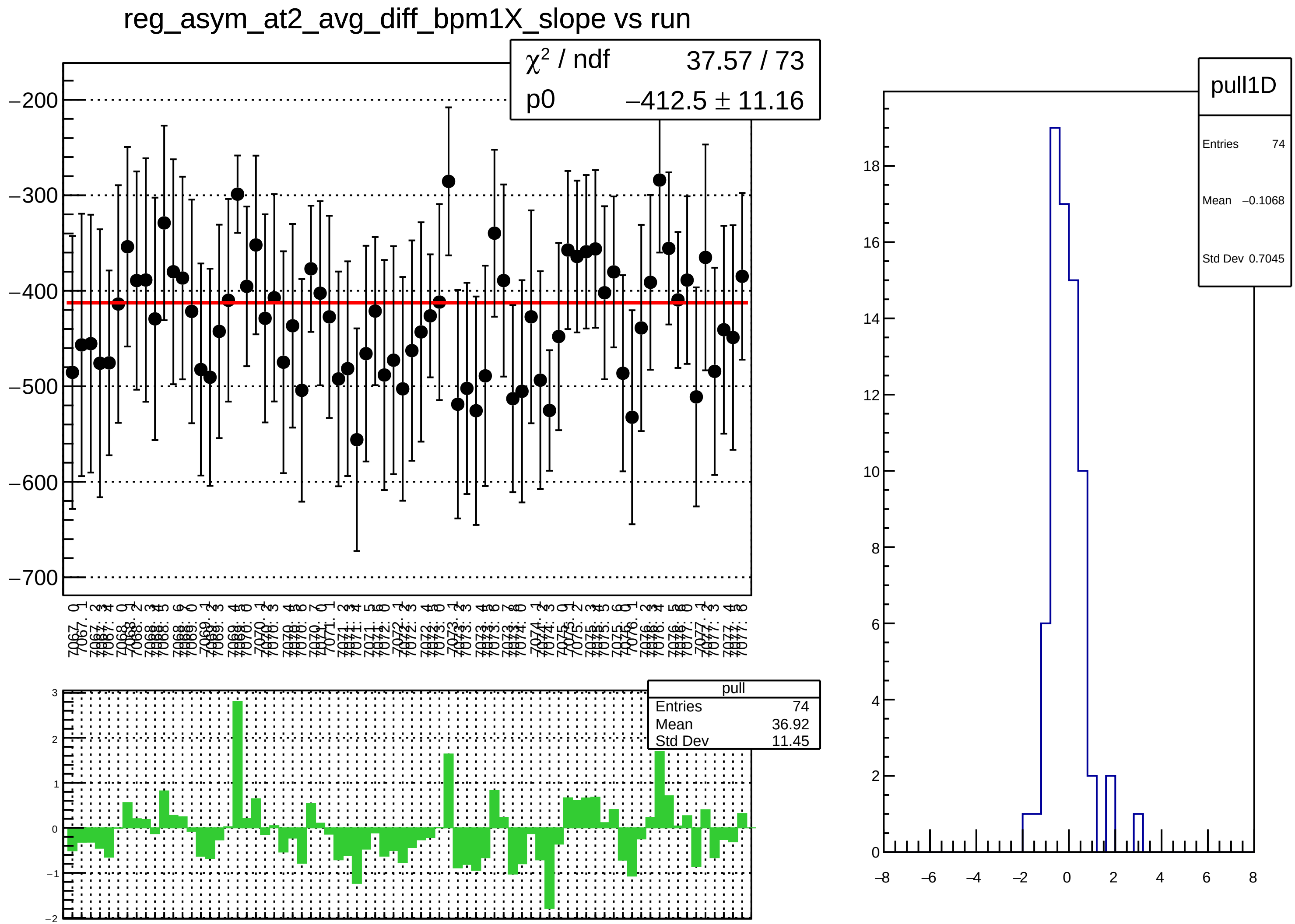
reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ2 / ndf 82.88 / 73
p0 26.4 ± 1.678
pull
Entries 74
Mean 32.33
Std Dev 26.78
pull1D
Entries 74
Mean 0.08209
Std Dev 1.055



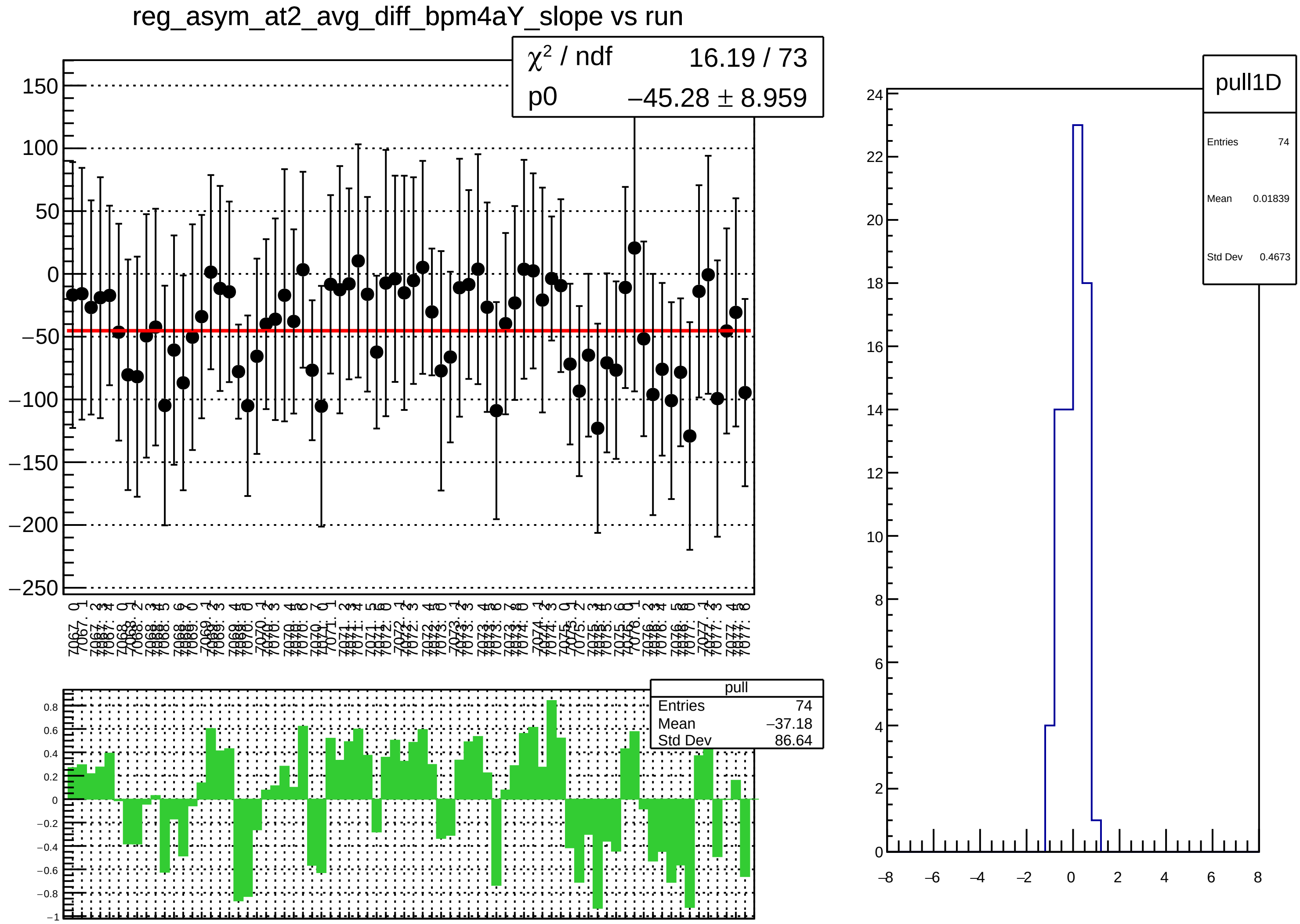
reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ2 / ndf 76.45 / 73
p0 7.087 ± 1.458
pull
Entries 74
Mean 3670
Std Dev 3631
pull1D
Entries 74
Mean 0.0007209
Std Dev 1.016



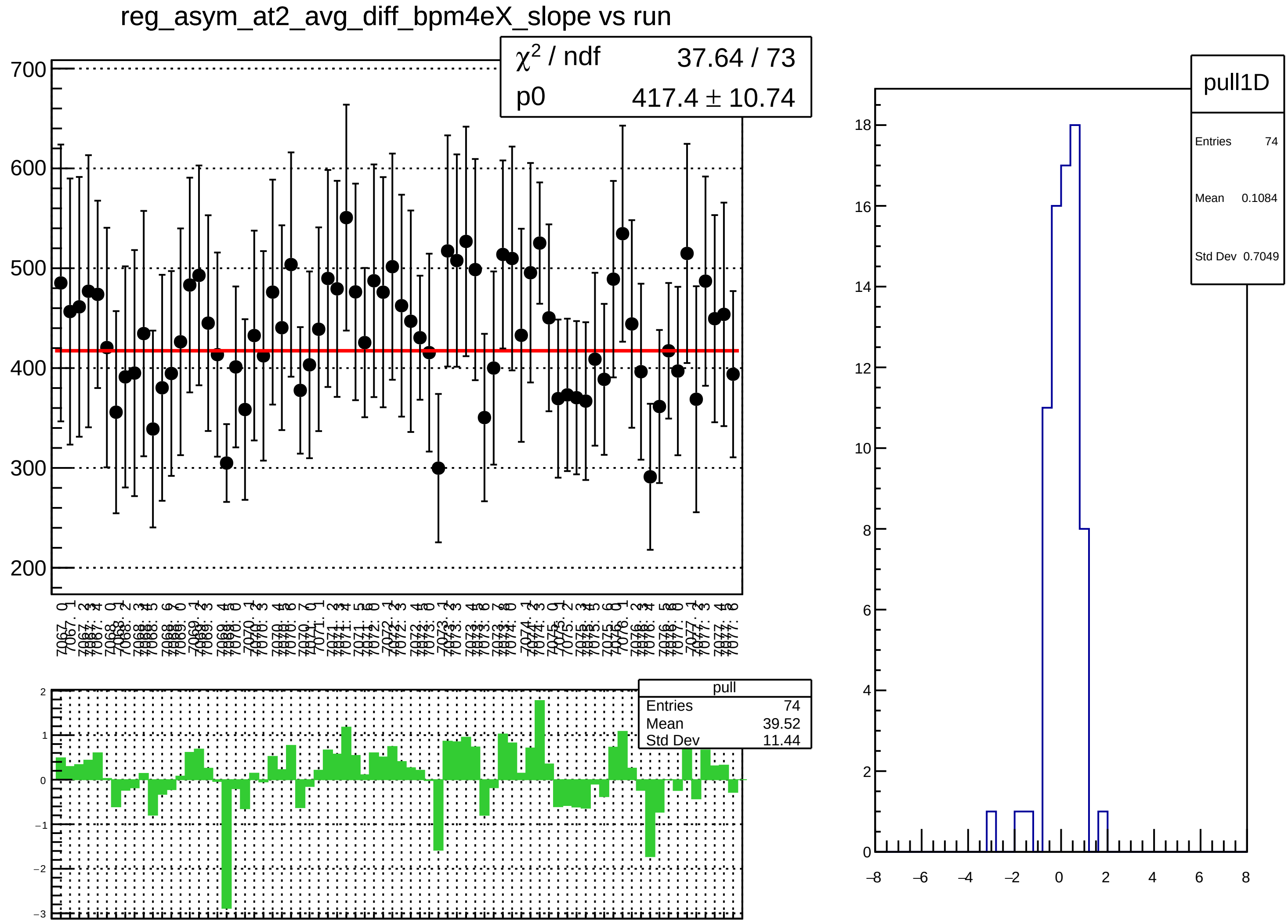
reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 59.91 / 73
p0 −1.666 ± 0.06636
pull
Entries 74
Mean −1437
Std Dev 1480
pull1D
Entries 74
Mean −0.002972
Std Dev 0.8998



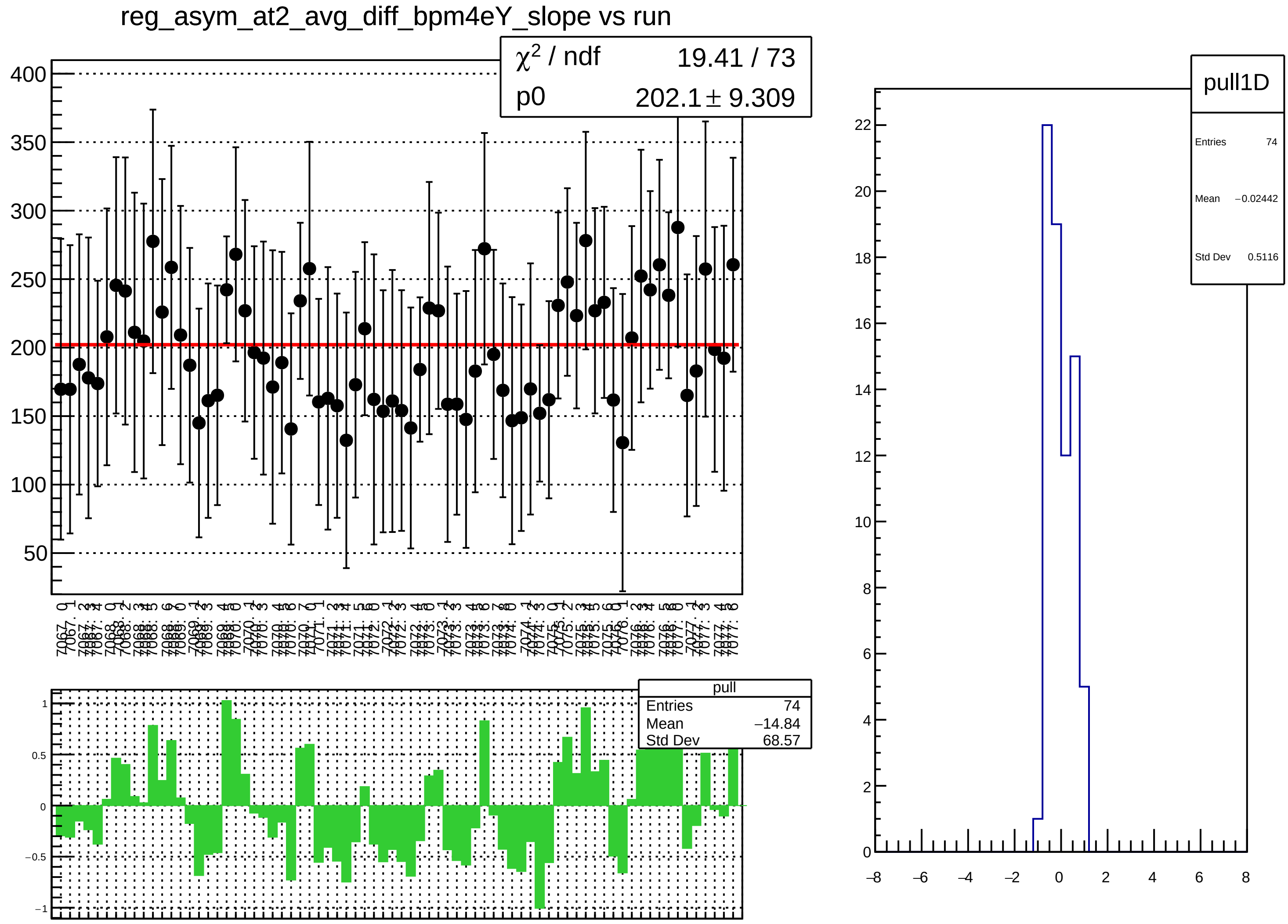
reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 37.57 / 73
p0 −412.5 ± 11.16
pull
Entries 74
Mean 36.92
Std Dev 11.45
pull1D
Entries 74
Mean −0.1068
Std Dev 0.7045



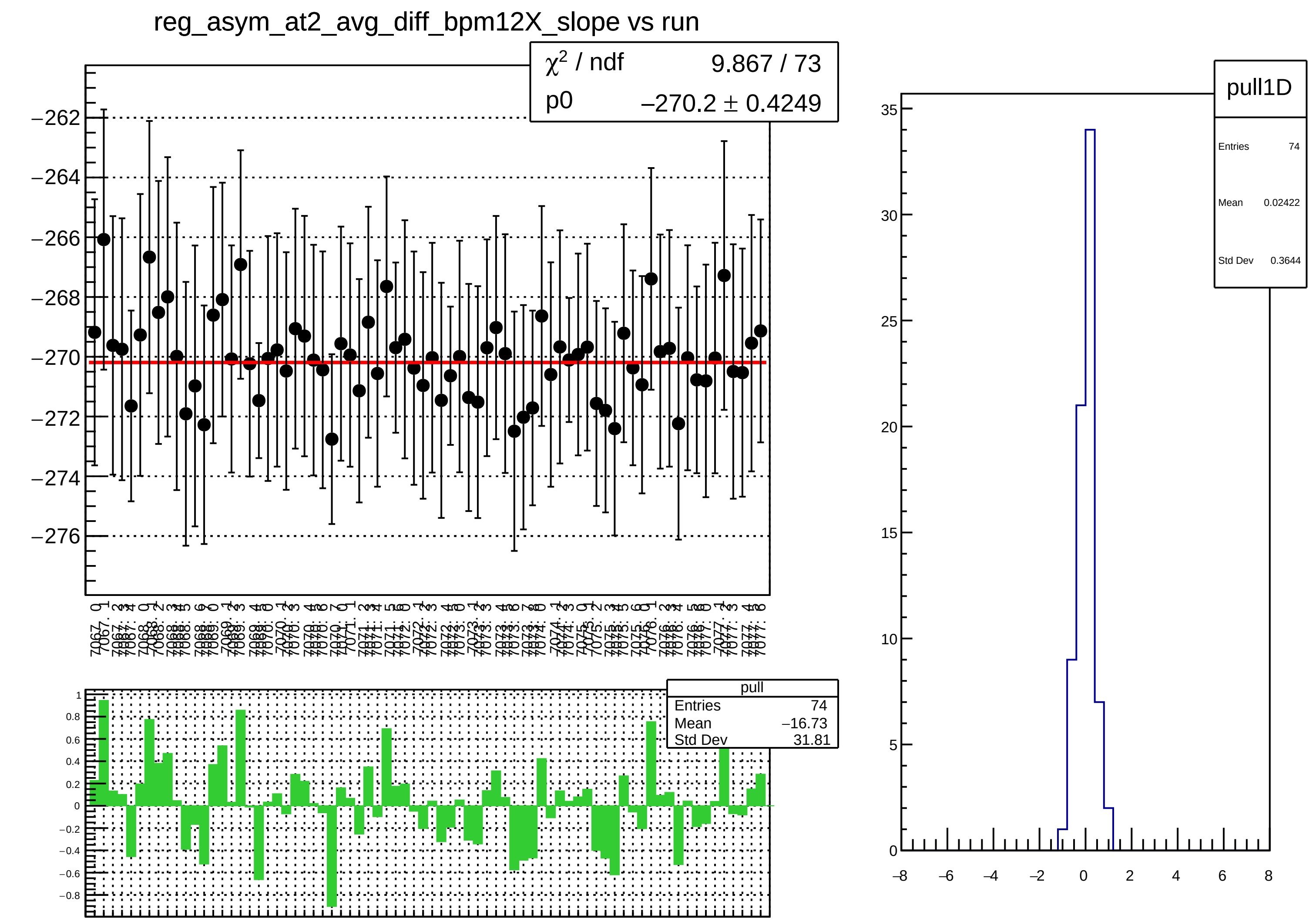
reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 16.19 / 73
p0 −45.28 ± 8.959
pull
Entries 74
Mean −37.18
Std Dev 86.64
pull1D
Entries 74
Mean 0.01839
Std Dev 0.4673



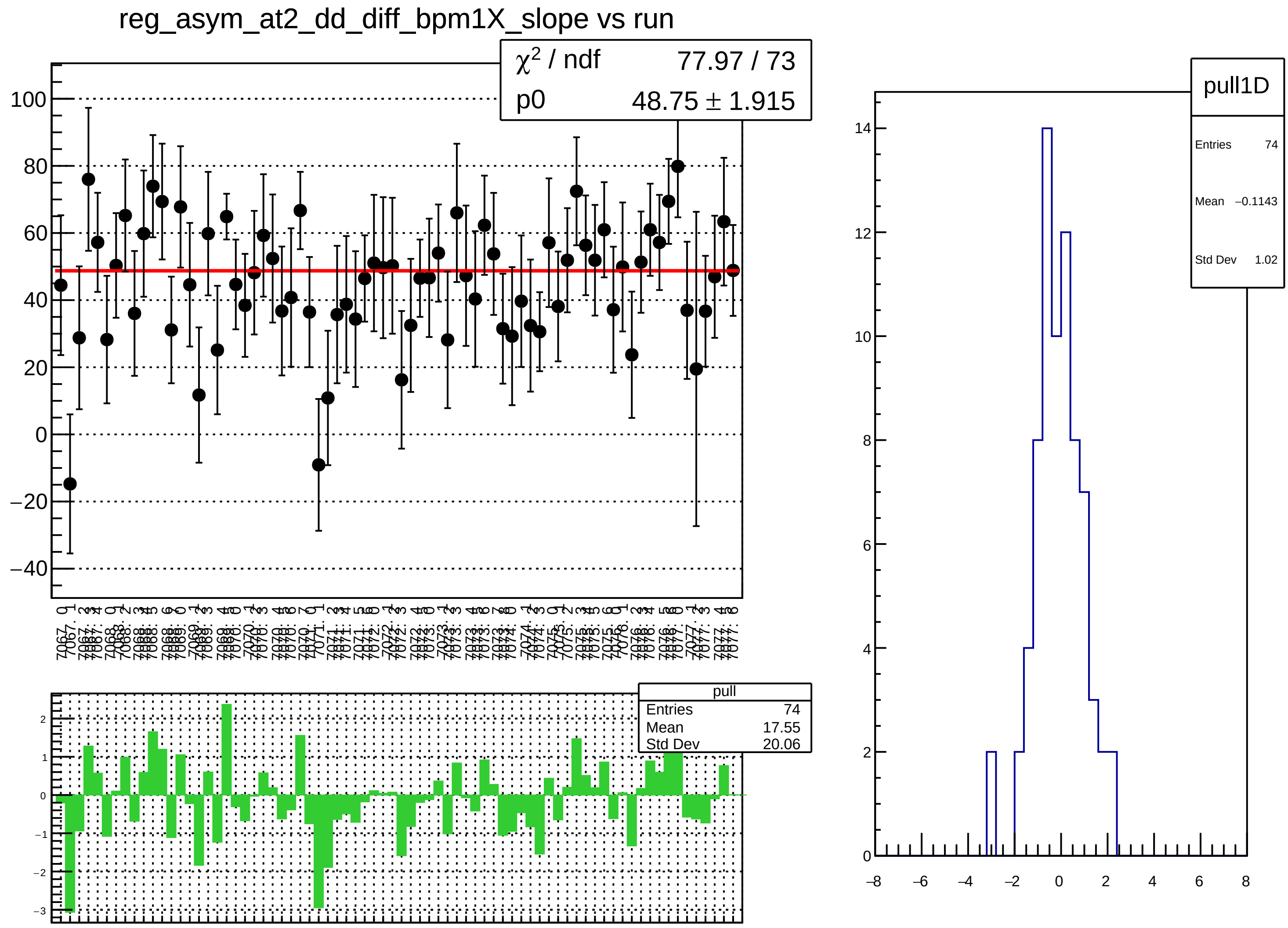
reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 37.64 / 73
p0 417.4 ± 10.74
pull
Entries 74
Mean 39.52
Std Dev 11.44
pull1D
Entries 74
Mean 0.1084
Std Dev 0.7049



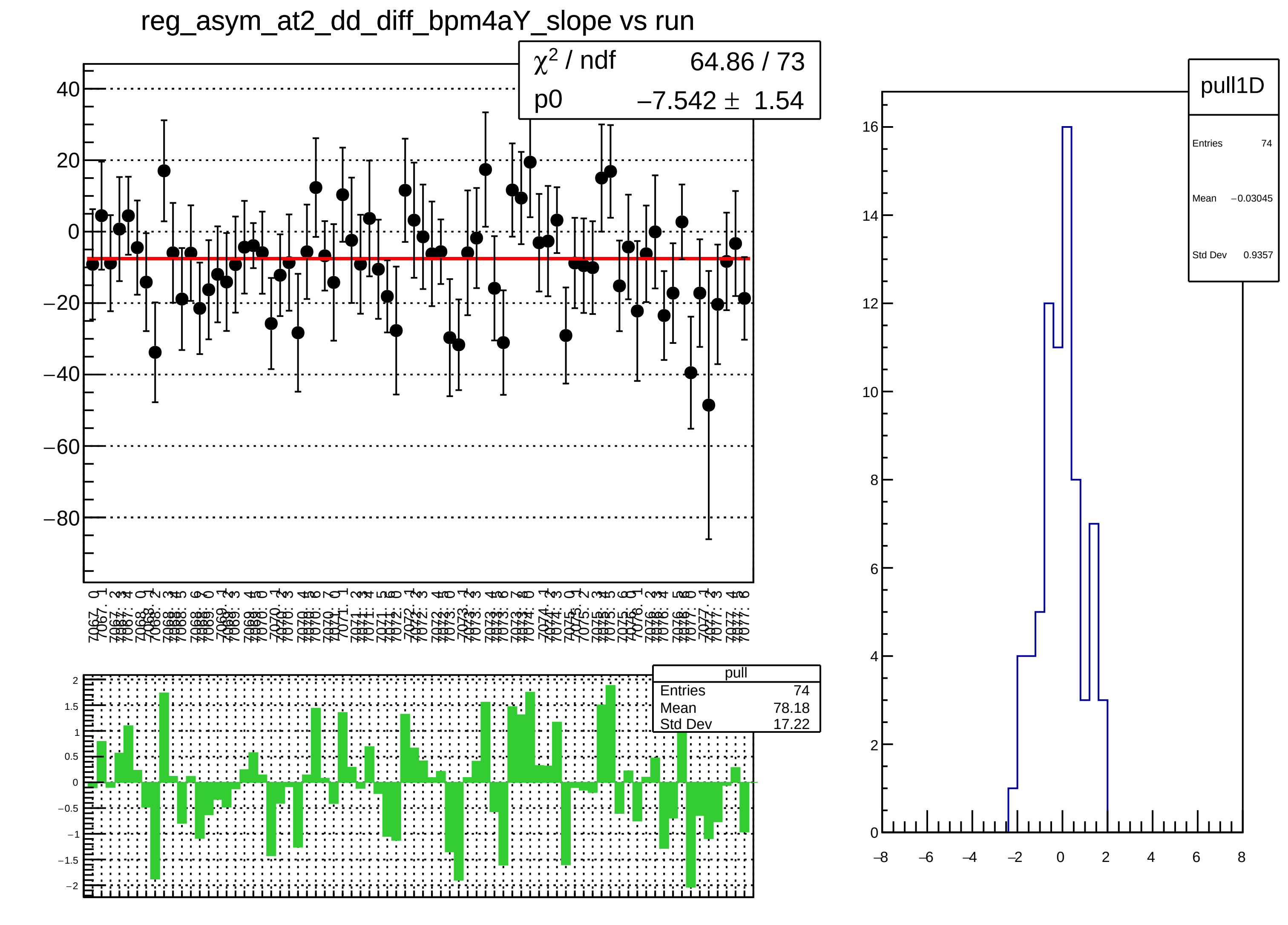
reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 19.41 / 73
p0 202.1 ± 9.309
pull
Entries 74
Mean −14.84
Std Dev 68.57
pull1D
Entries 74
Mean −0.02442
Std Dev 0.5116



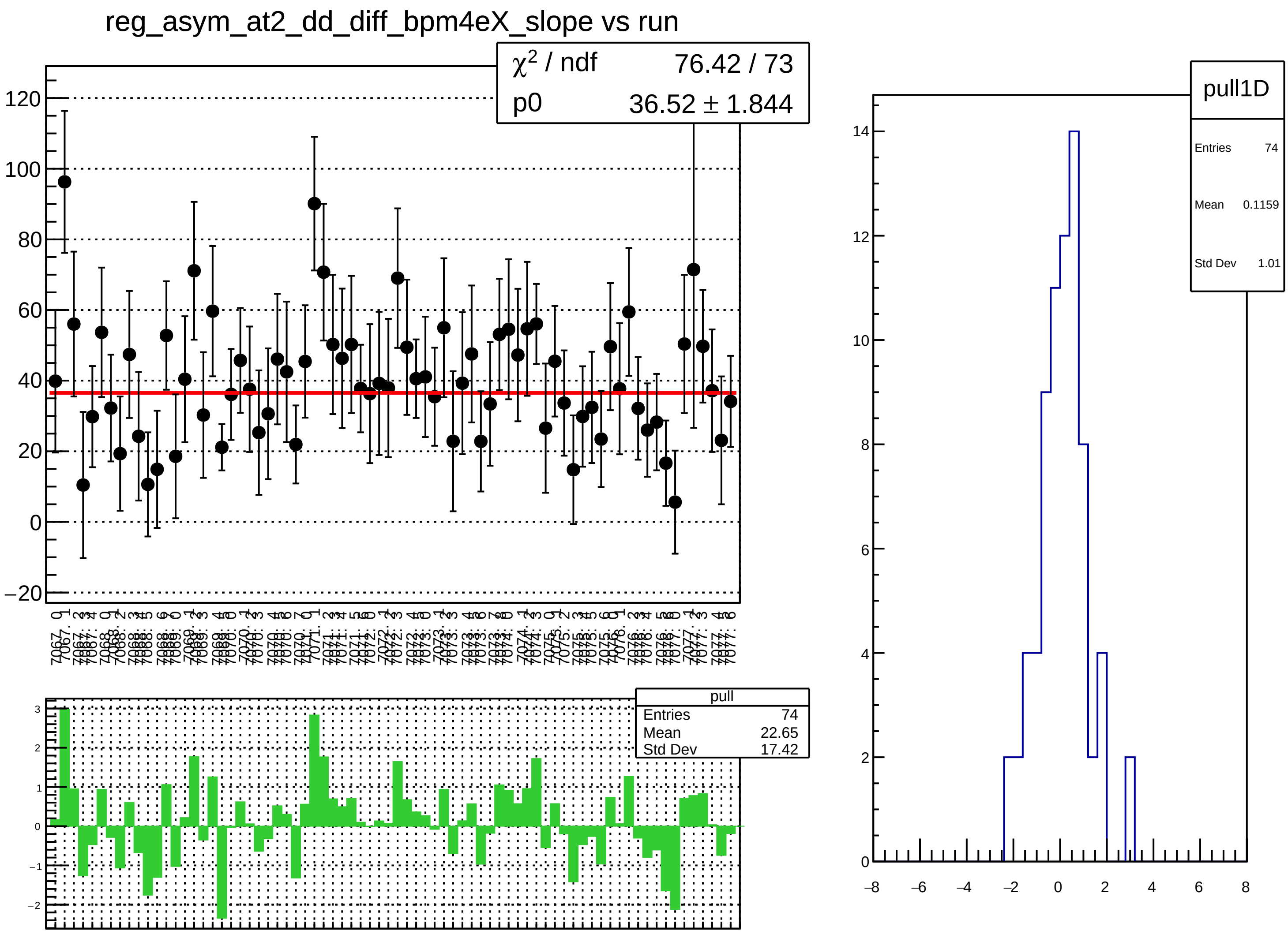
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ2 / ndf 9.867 / 73
p0 −270.2 ± 0.4249
pull
Entries 74
Mean −16.73
Std Dev 31.81
pull1D
Entries 74
Mean 0.02422
Std Dev 0.3644



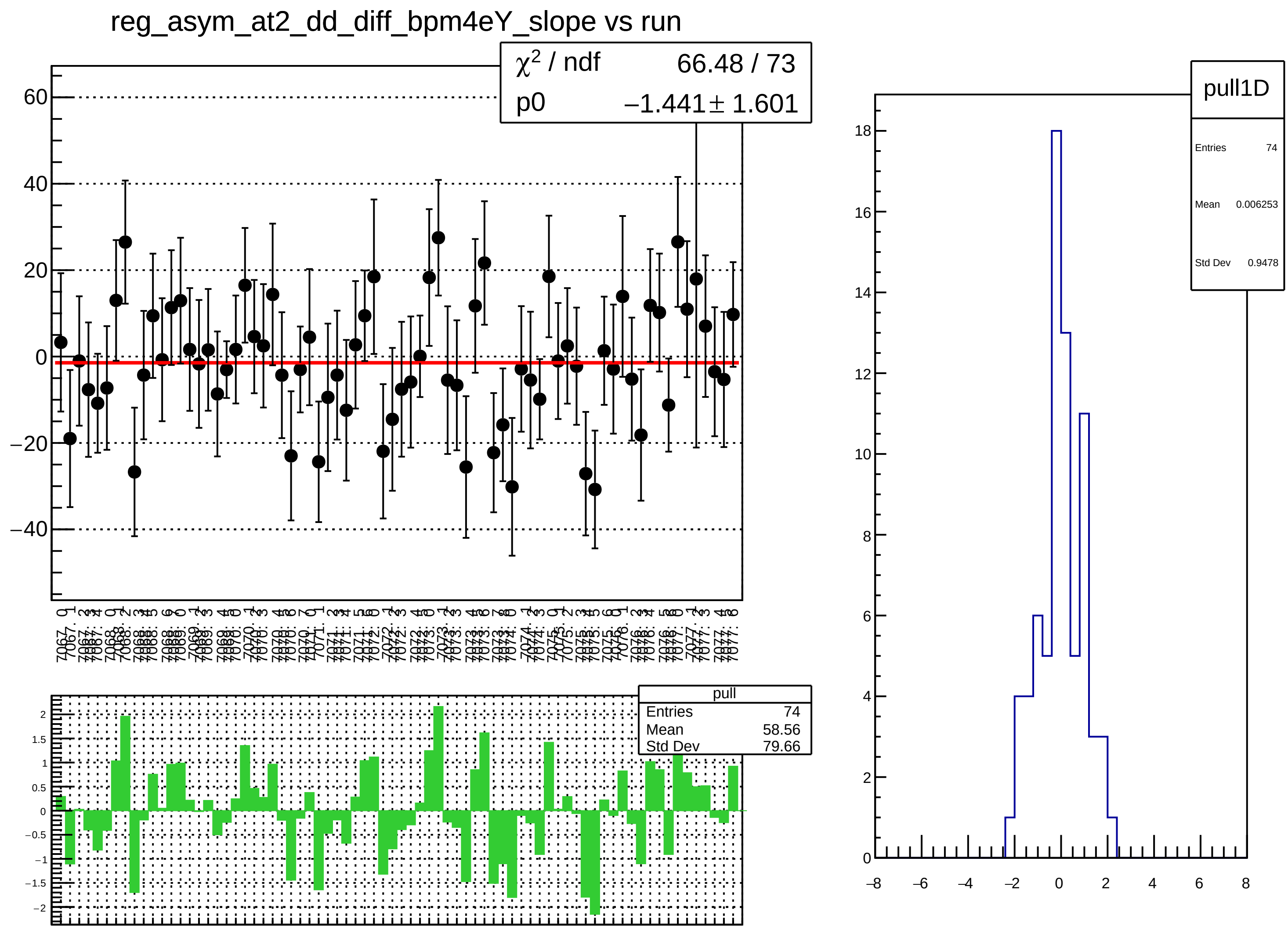
reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 77.97 / 73
p0 48.75 ± 1.915
pull
Entries 74
Mean 17.55
Std Dev 20.06
pull1D
Entries 74
Mean −0.1143
Std Dev 1.02



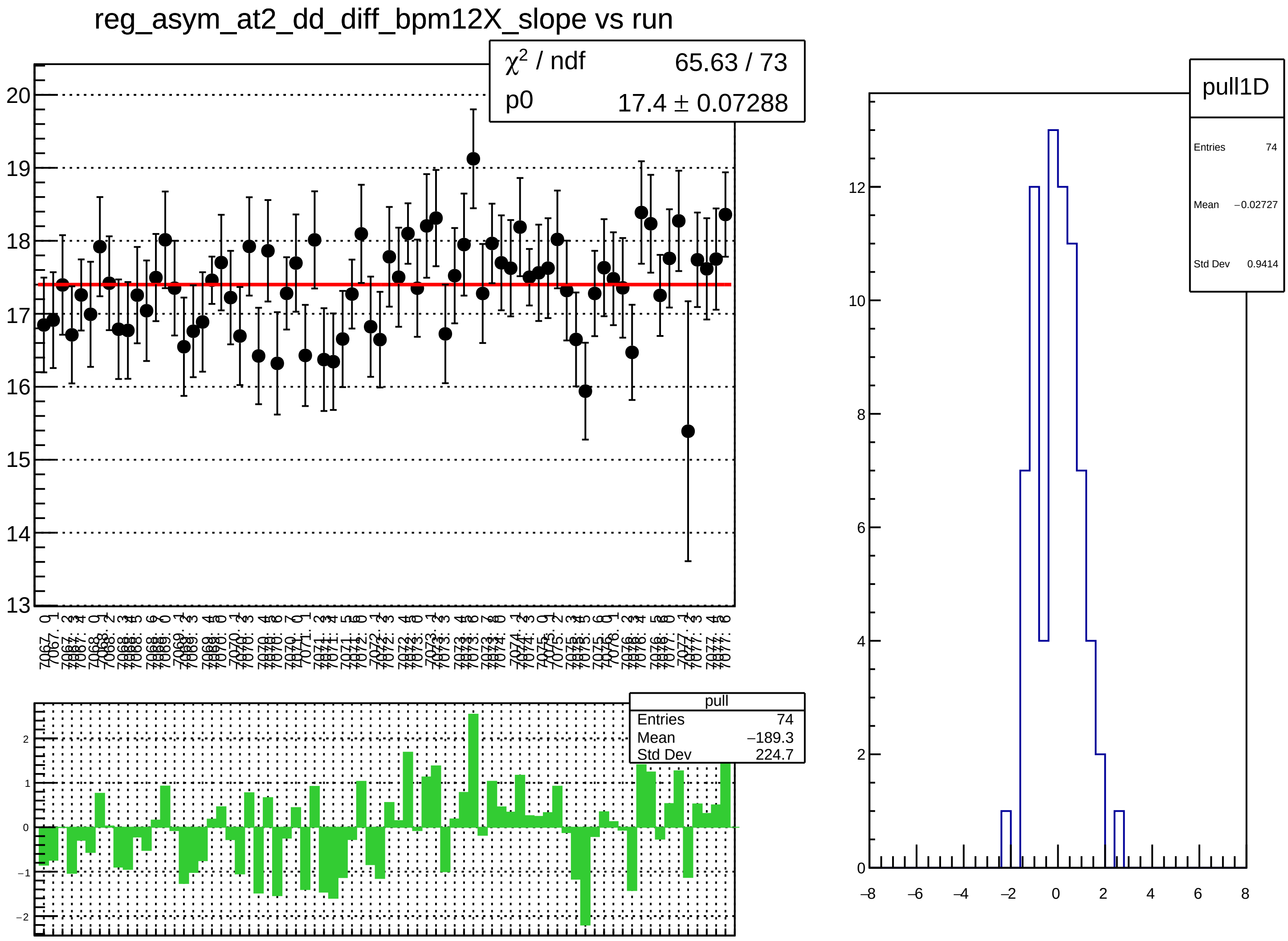
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 64.86 / 73
p0 −7.542 ± 1.54
pull
Entries 74
Mean 78.18
Std Dev 17.22
pull1D
Entries 74
Mean −0.03045
Std Dev 0.9357



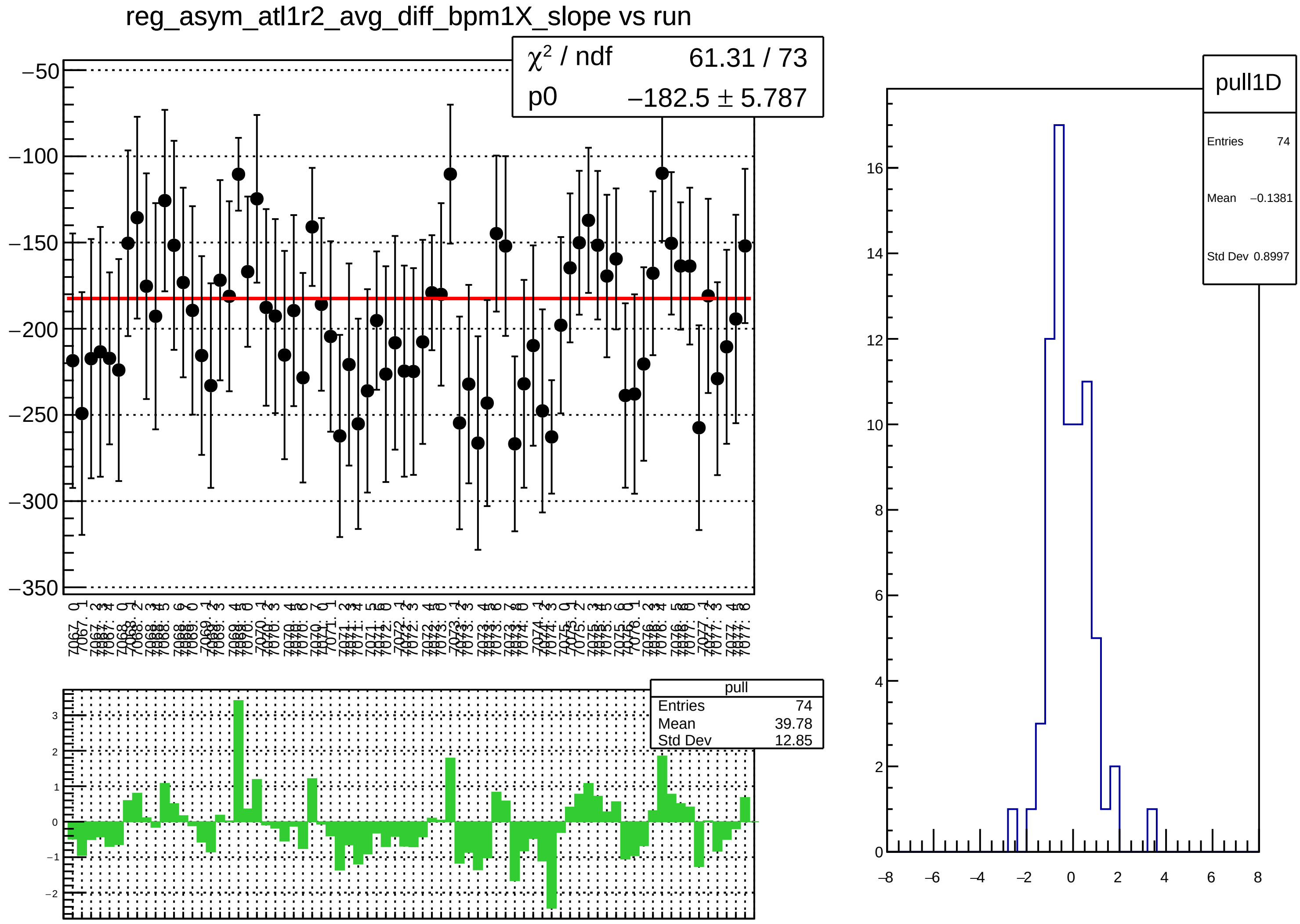
reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 76.42 / 73
p0 36.52 ± 1.844
pull
Entries 74
Mean 22.65
Std Dev 17.42
pull1D
Entries 74
Mean 0.1159
Std Dev 1.01

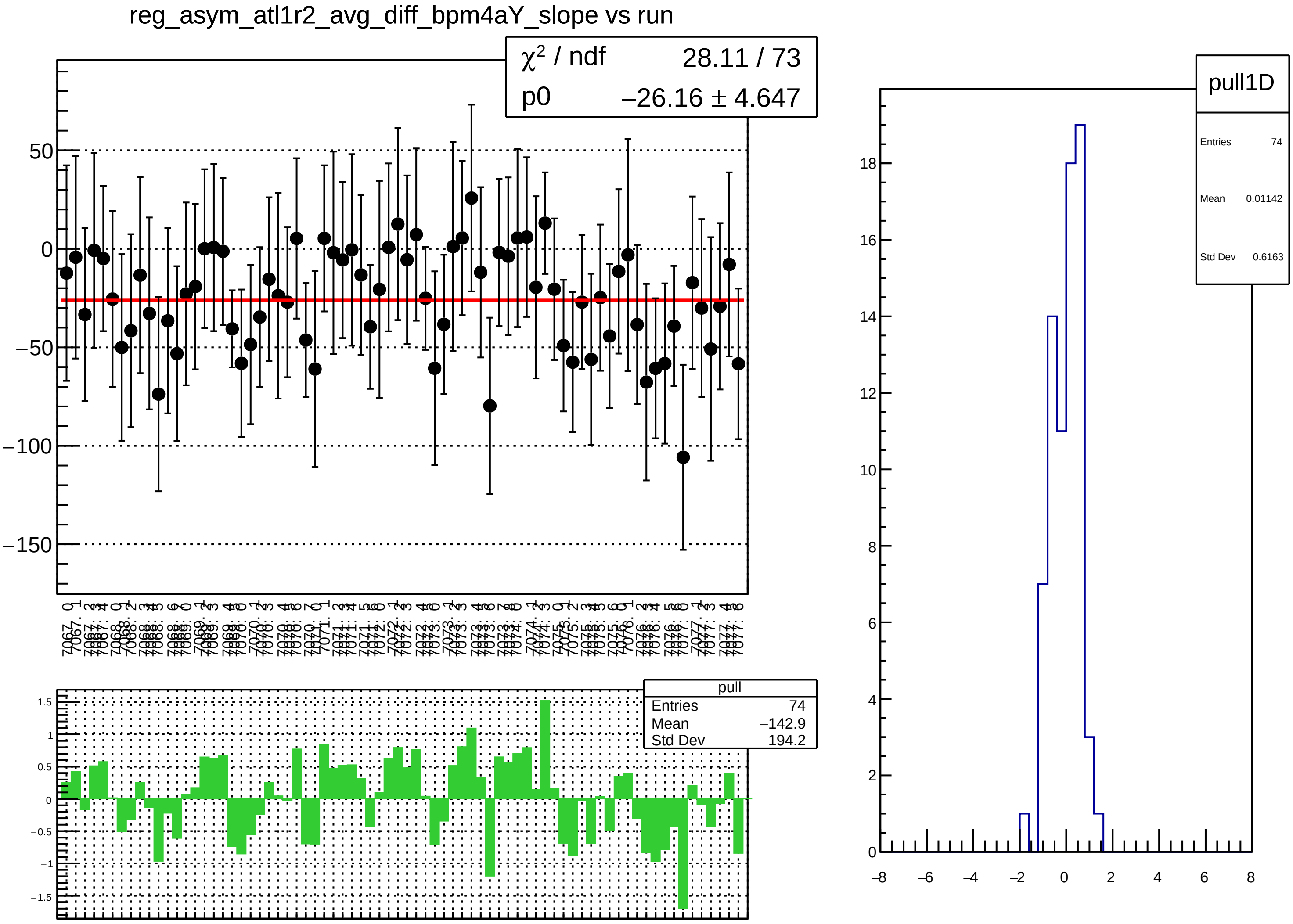


reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 66.48 / 73
p0 −1.441 ± 1.601
pull
Entries 74
Mean 58.56
Std Dev 79.66
pull1D
Entries 74
Mean 0.006253
Std Dev 0.9478

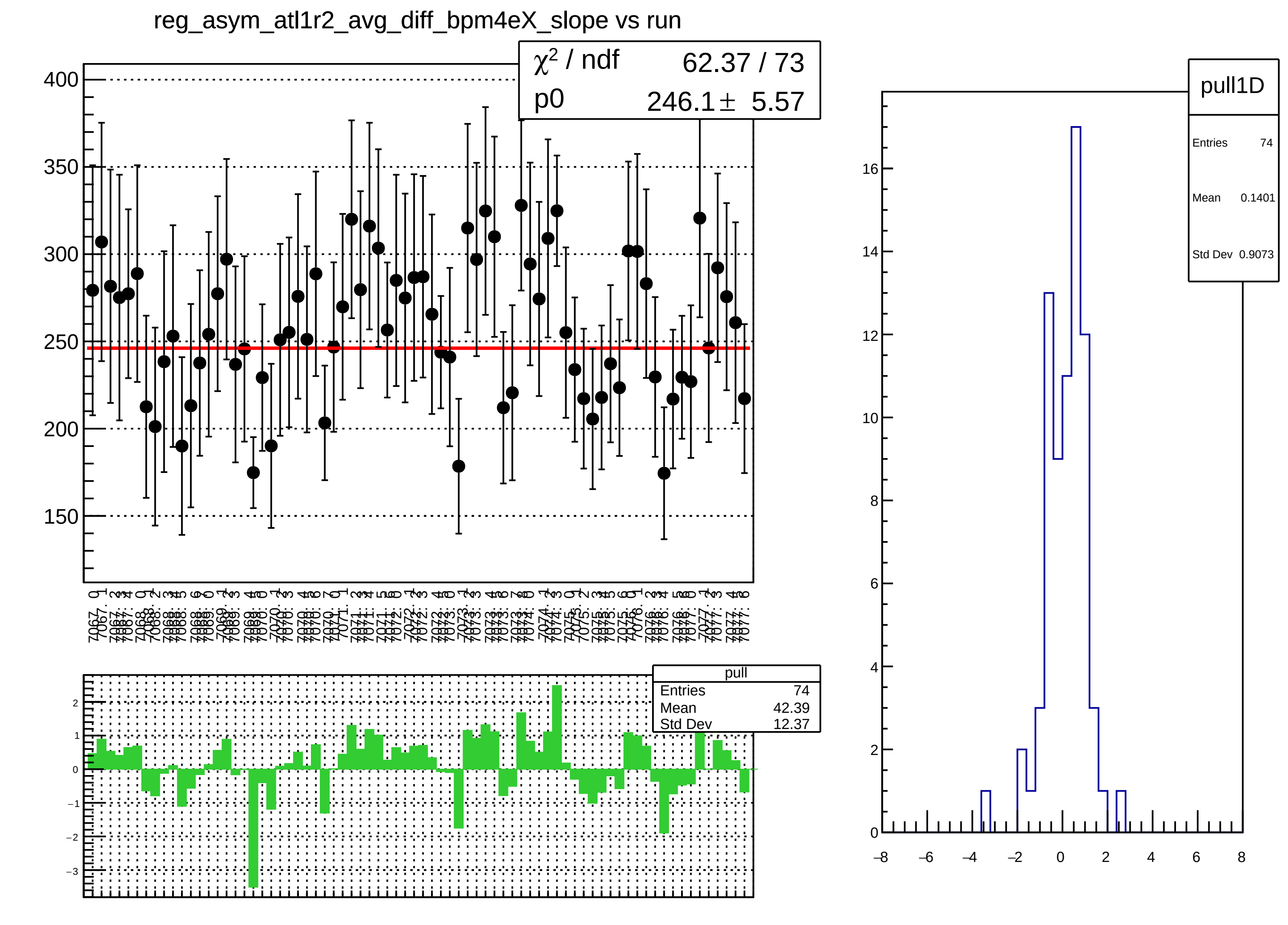


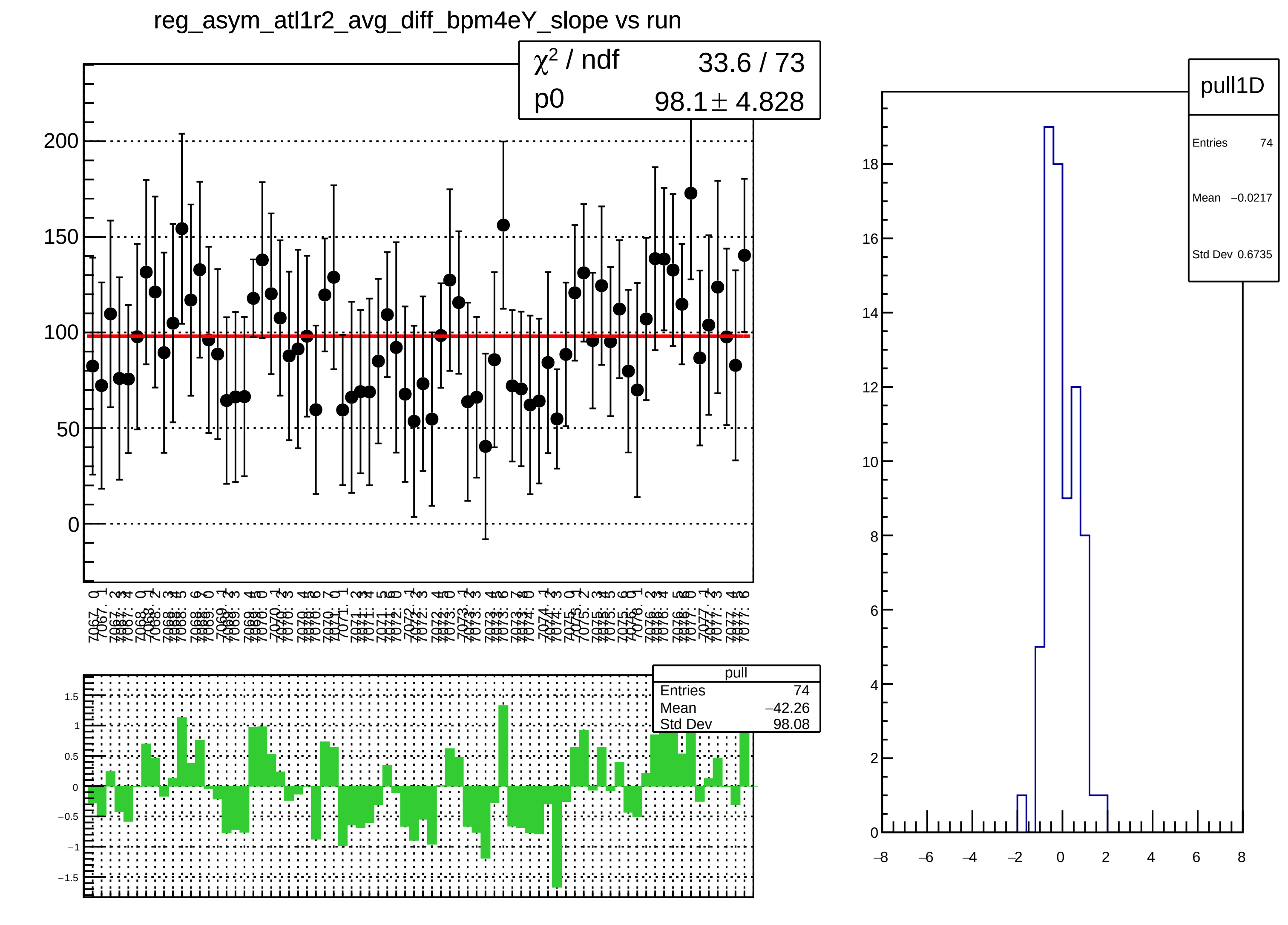
reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 65.63 / 73
p0 17.4 ± 0.07288
pull
Entries 74
Mean −189.3
Std Dev 224.7
pull1D
Entries 74
Mean −0.02727
Std Dev 0.9414


reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ2 / ndf 61.31 / 73
p0 −182.5 ± 5.787
pull
Entries 74
Mean 39.78
Std Dev 12.85
pull1D
Entries 74
Mean −0.1381
Std Dev 0.8997

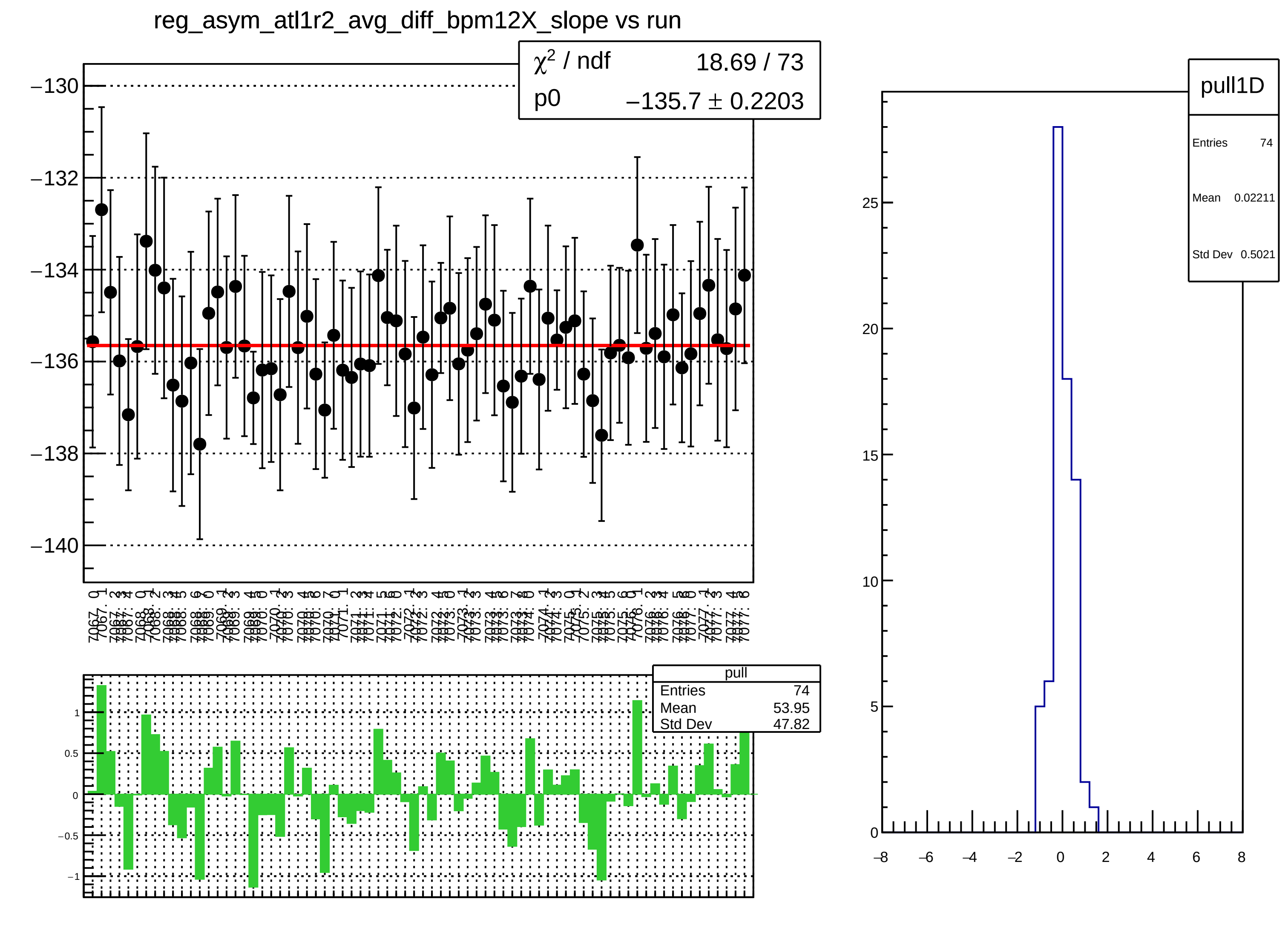


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 28.11 / 73
p0 −26.16 ± 4.647
50
0
−50
−100
−150
pull
Entries 74
Mean −142.9
Std Dev 194.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 74
Mean 0.01142
Std Dev 0.6163
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

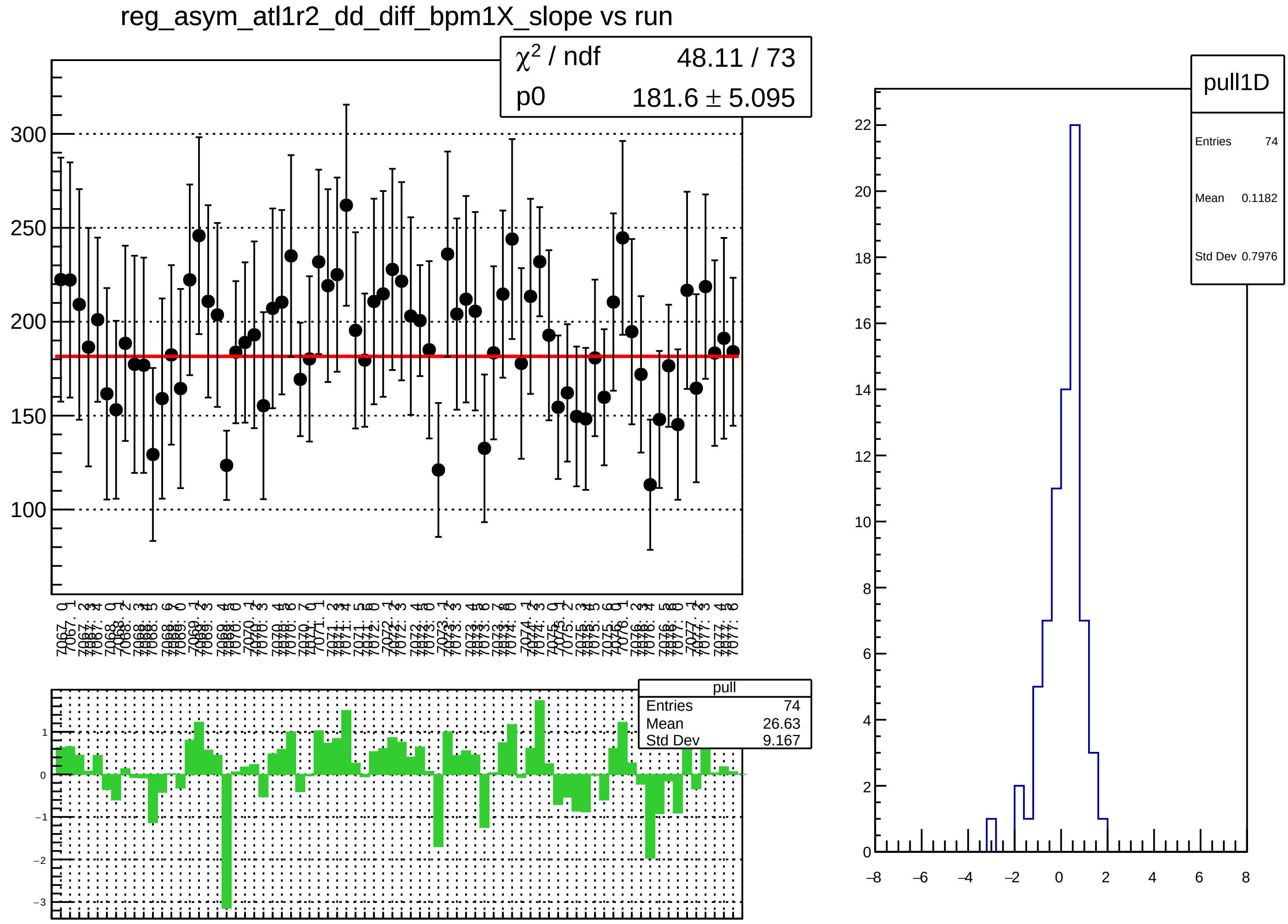

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 62.37 / 73
p0 246.1 ± 5.57
pull
Entries 74
Mean 42.39
Std Dev 12.37
pull1D
Entries 74
Mean 0.1401
Std Dev 0.9073



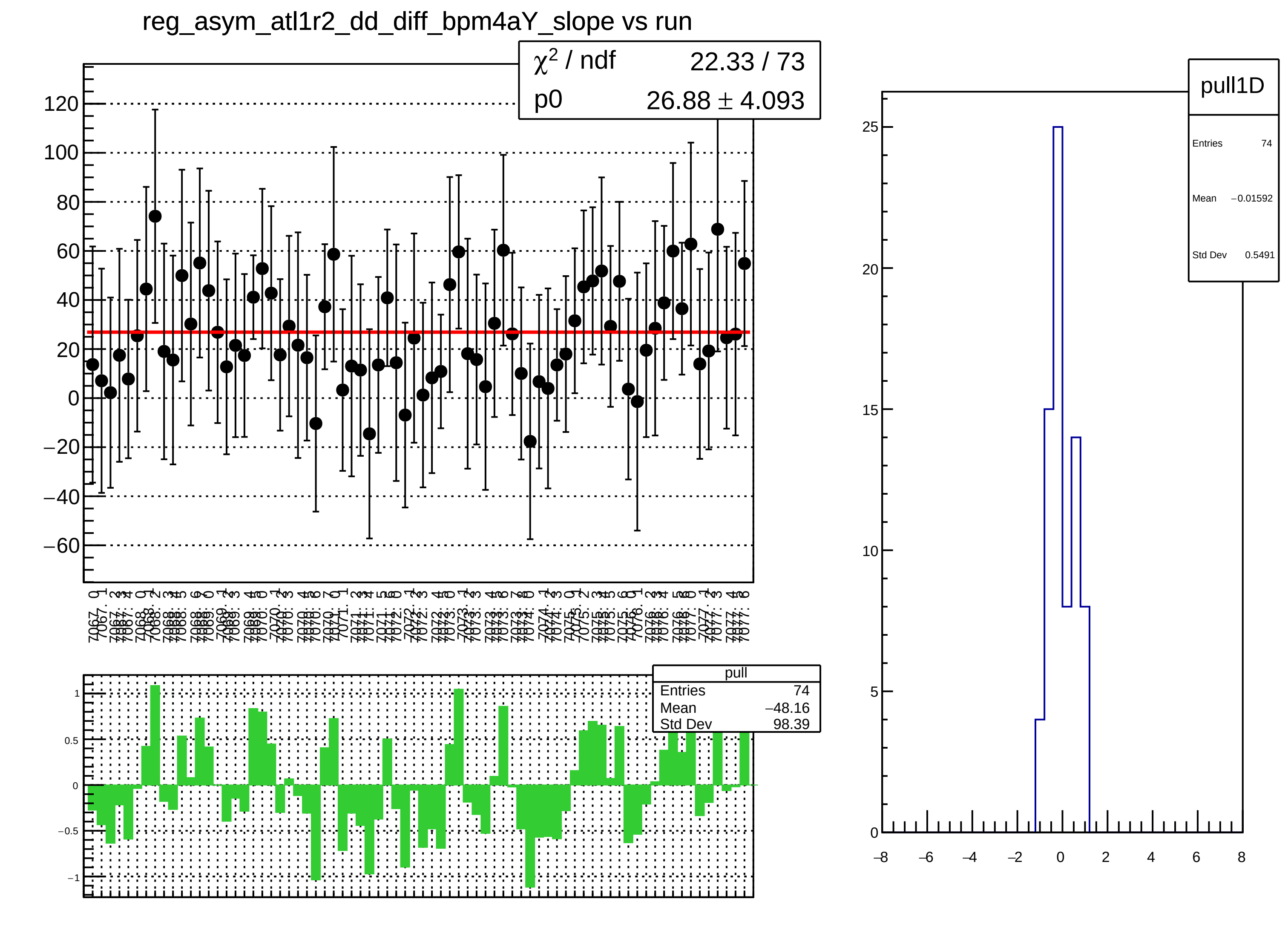
reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 33.6 / 73
p0 98.1 ± 4.828
pull
Entries 74
Mean −42.26
Std Dev 98.08
pull1D
Entries 74
Mean −0.0217
Std Dev 0.6735



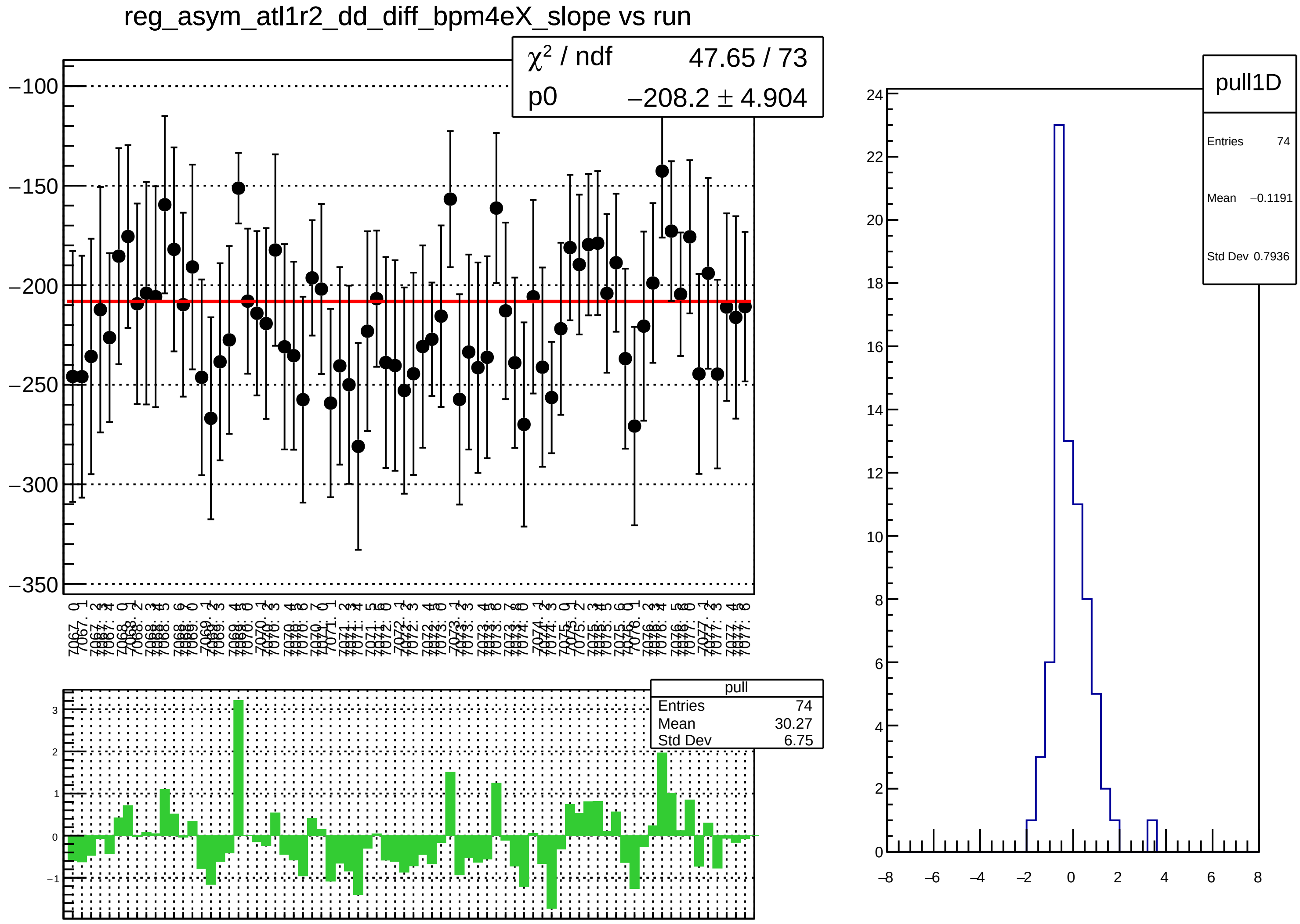
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ2 / ndf 18.69 / 73
p0 −135.7 ± 0.2203
pull
Entries 74
Mean 53.95
Std Dev 47.82
pull1D
Entries 74
Mean 0.02211
Std Dev 0.5021



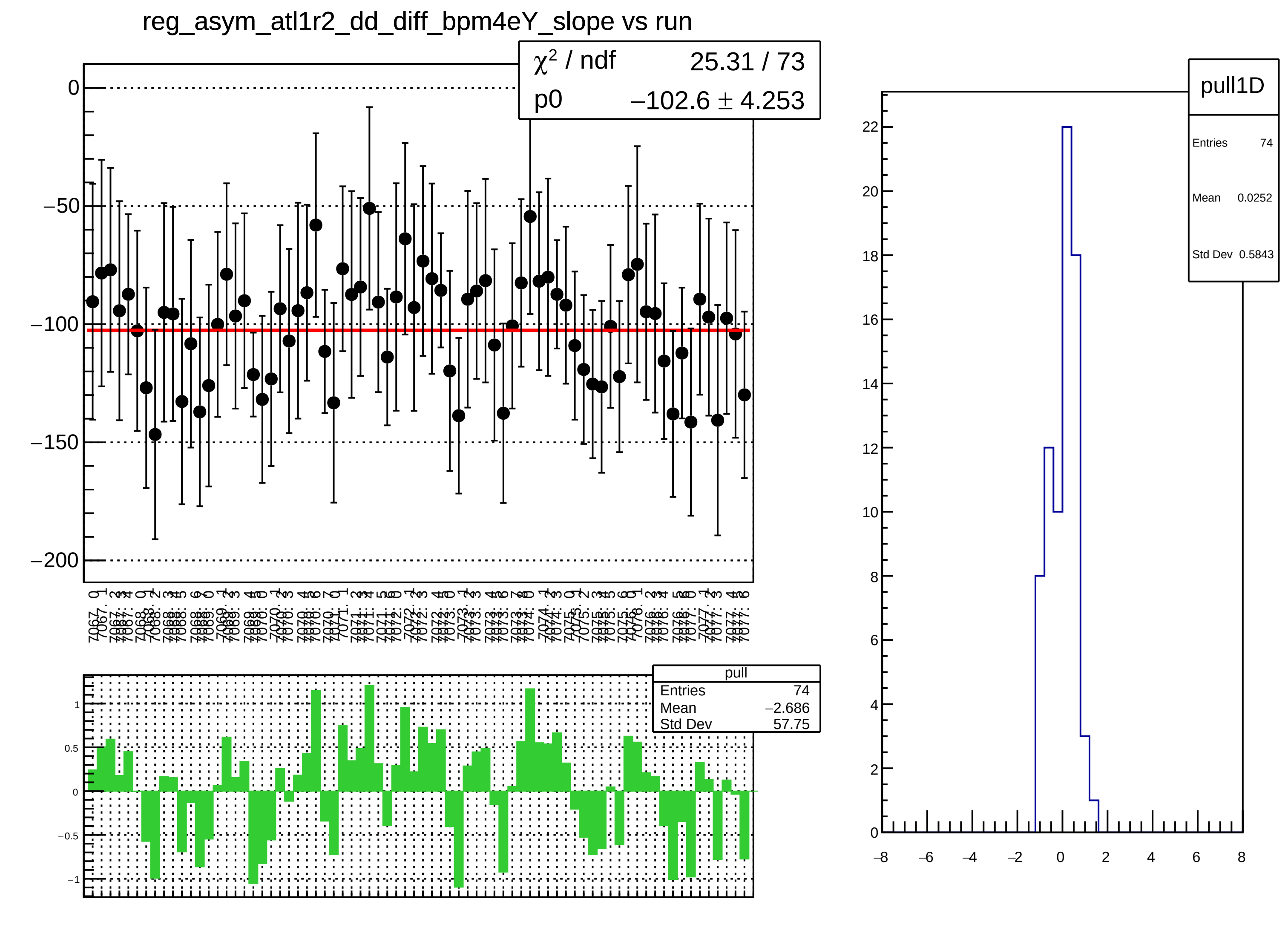
reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 48.11 / 73
p0 181.6 ± 5.095
pull
Entries 74
Mean 26.63
Std Dev 9.167
pull1D
Entries 74
Mean 0.1182
Std Dev 0.7976

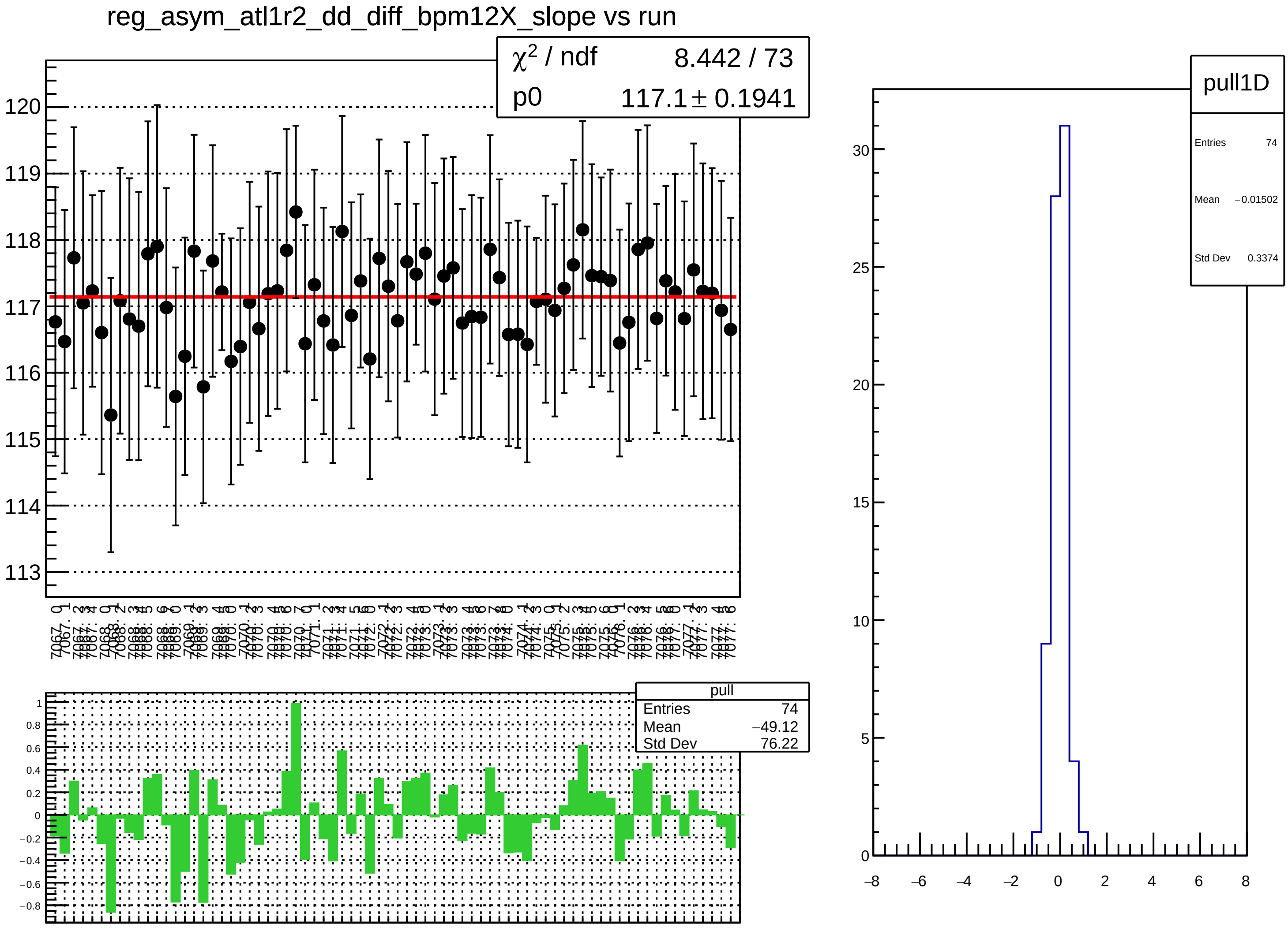


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 22.33 / 73
p0 26.88 ± 4.093
pull
Entries 74
Mean −48.16
Std Dev 98.39
pull1D
Entries 74
Mean −0.01592
Std Dev 0.5491



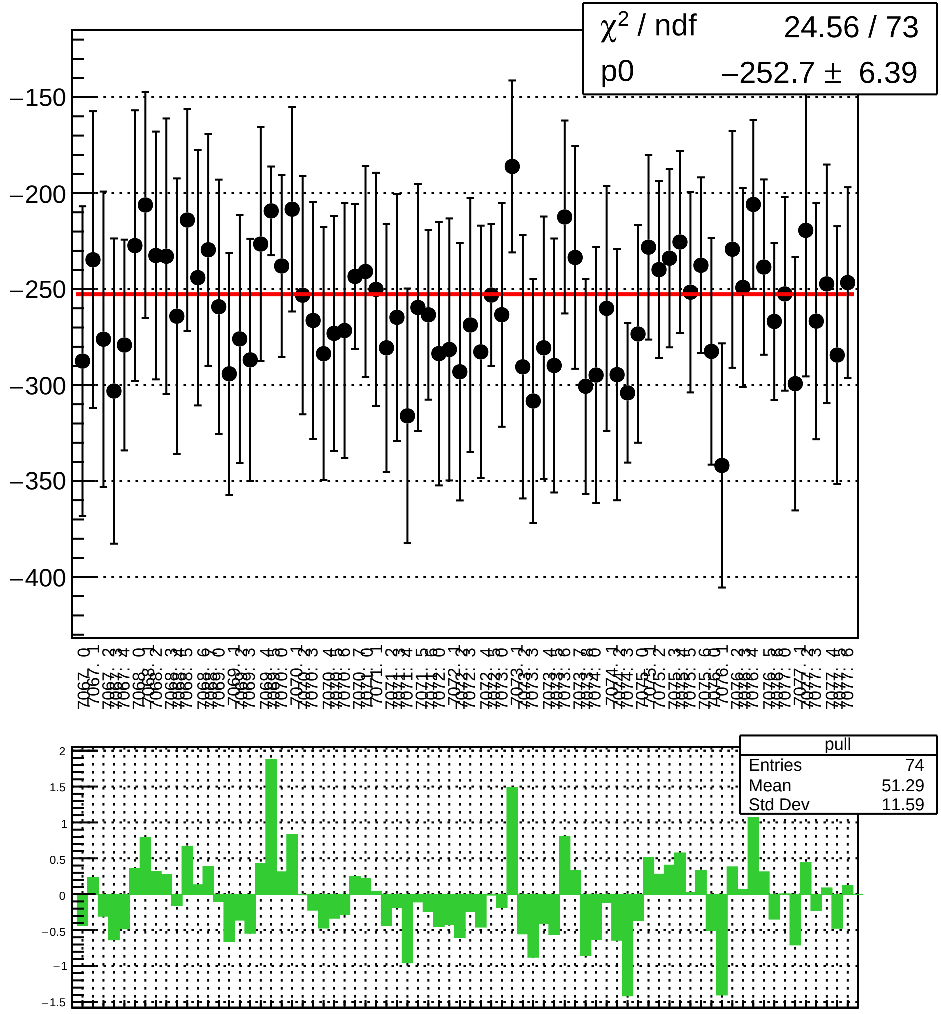
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 47.65 / 73
p0 −208.2 ± 4.904
−100
−150
−200
−250
−300
−350
pull
Entries 74
Mean 30.27
Std Dev 6.75
3
2
1
0
−1
pull1D
Entries 74
Mean −0.1191
Std Dev 0.7936
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

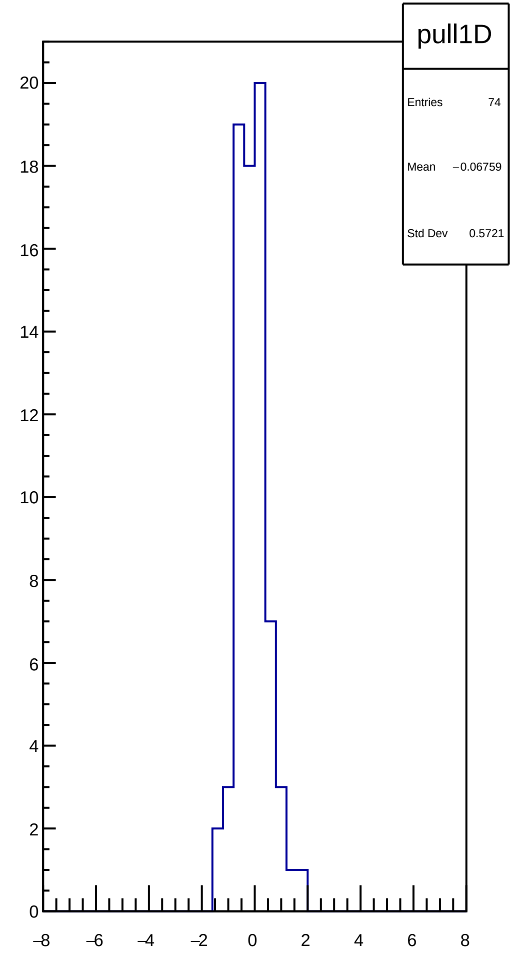

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 25.31 / 73
p0 −102.6 ± 4.253
0
−50
−100
−150
−200
pull
Entries 74
Mean −2.686
Std Dev 57.75
1
0.5
0
−0.5
−1
pull1D
Entries 74
Mean 0.0252
Std Dev 0.5843
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

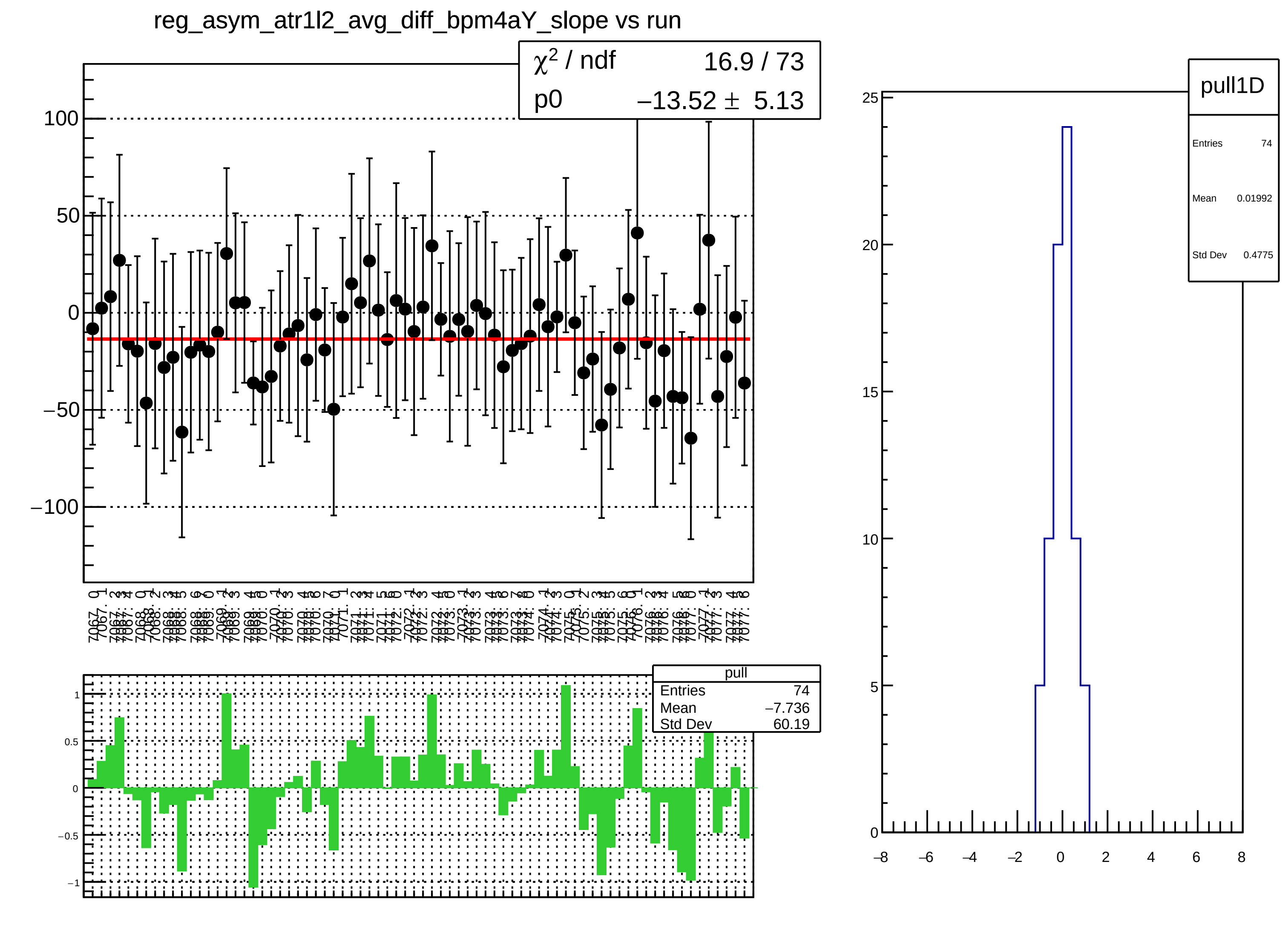


reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.442 / 73
p0 117.1 ± 0.1941
pull
Entries 74
Mean −49.12
Std Dev 76.22
pull1D
Entries 74
Mean −0.01502
Std Dev 0.3374

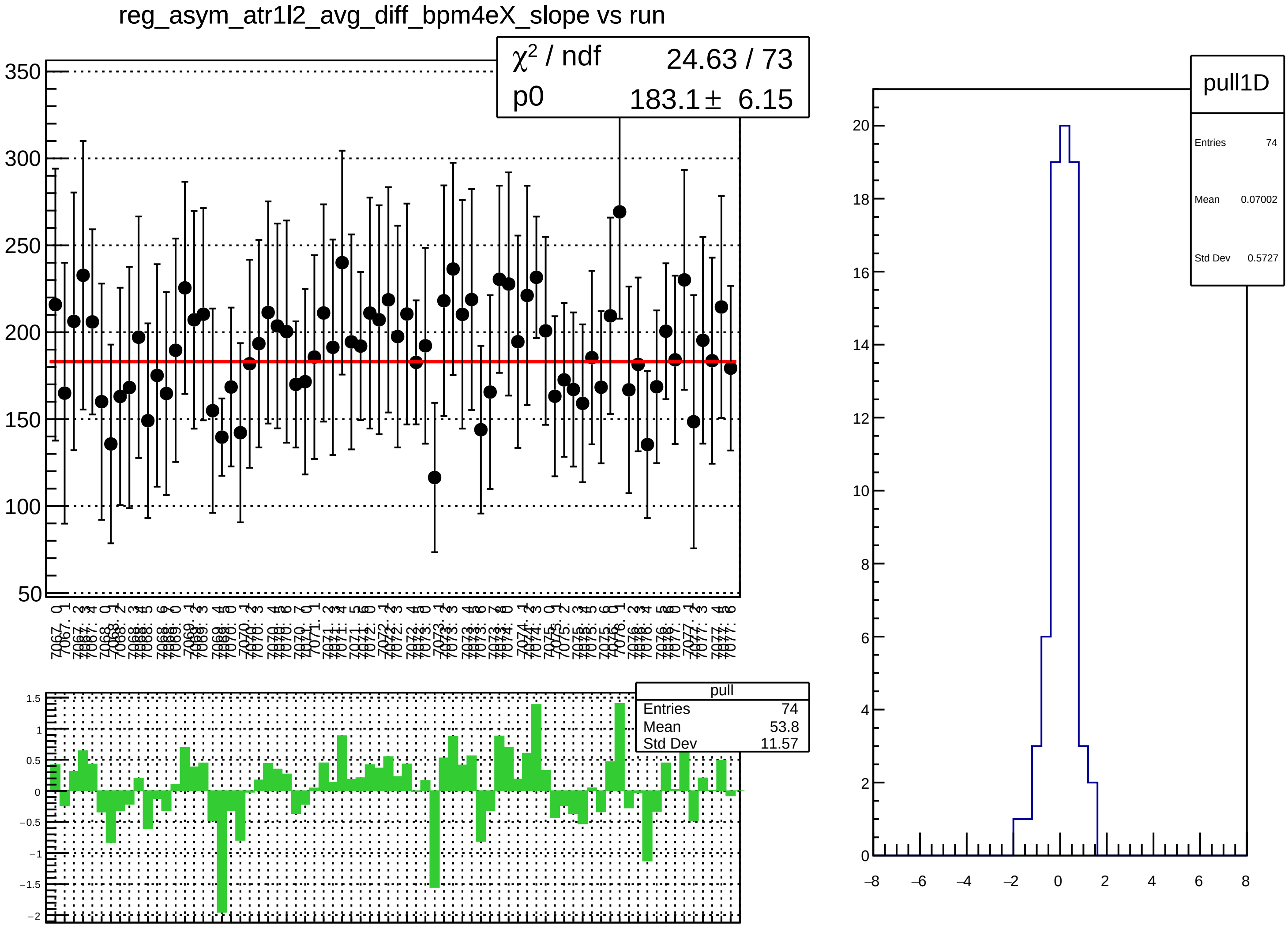
reg_asym_atr1l2_avg_diff_bpm1X_slope vs run



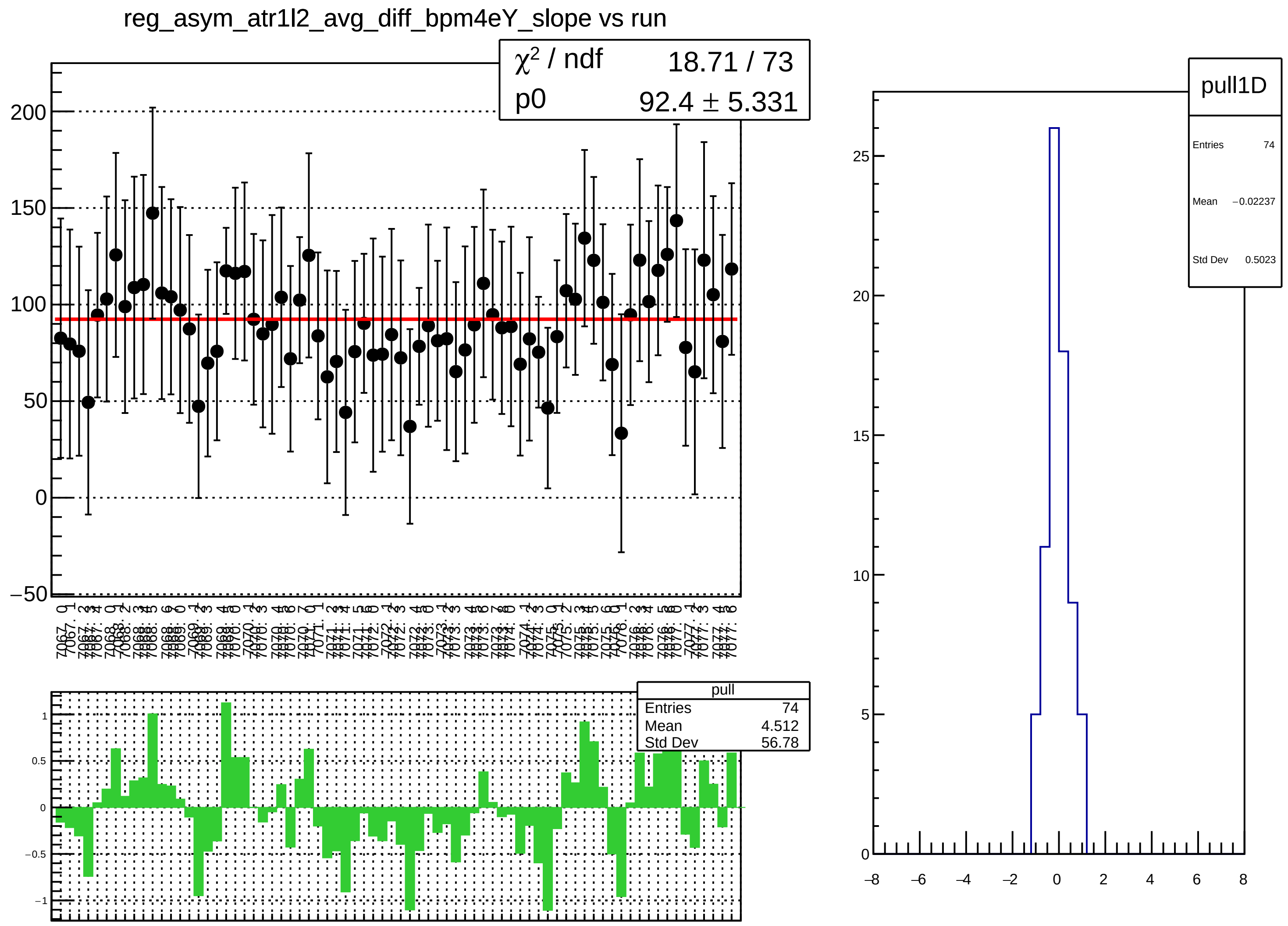


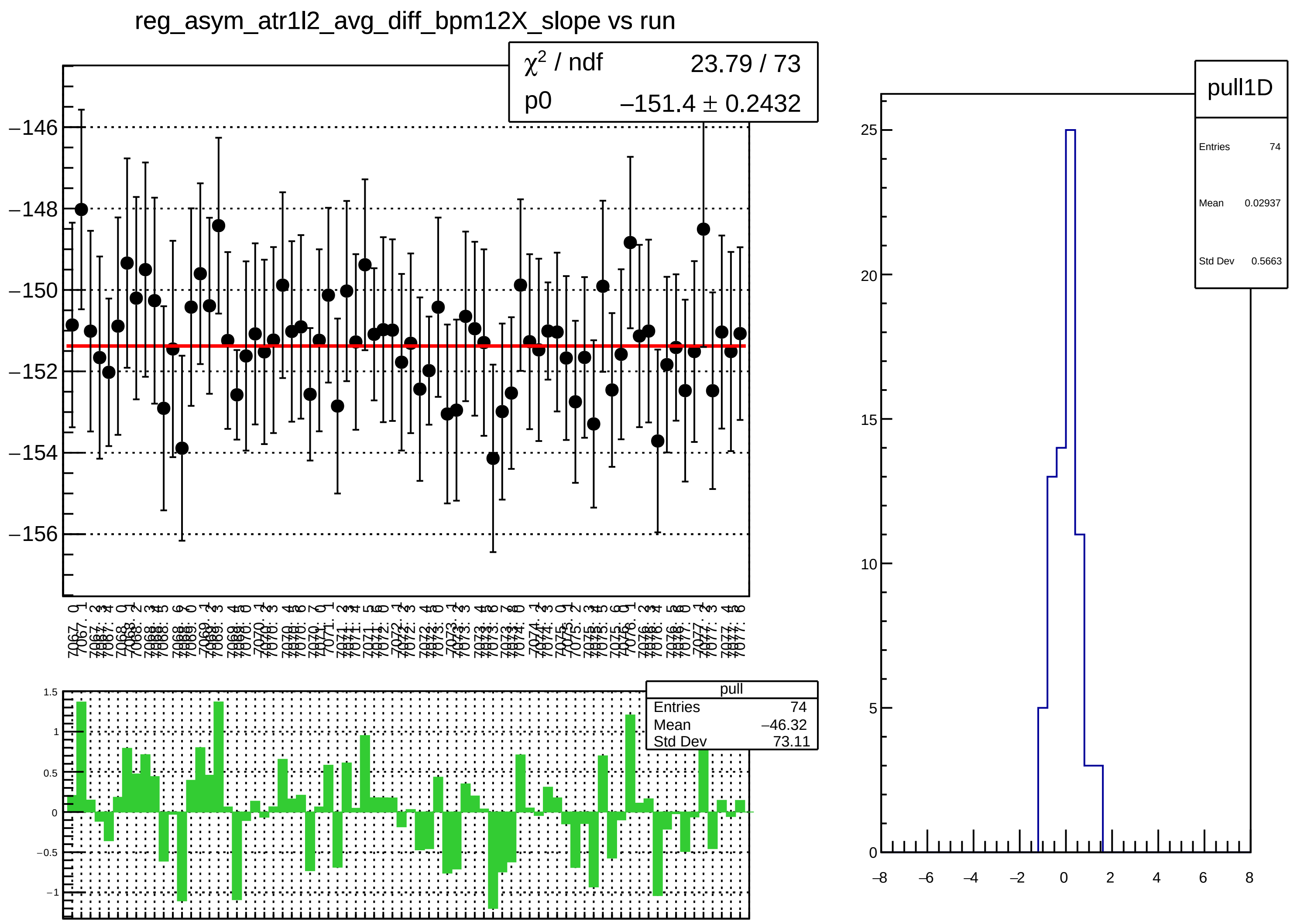


reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 16.9 / 73
p0 −13.52 ± 5.13
pull
Entries 74
Mean −7.736
Std Dev 60.19
pull1D
Entries 74
Mean 0.01992
Std Dev 0.4775

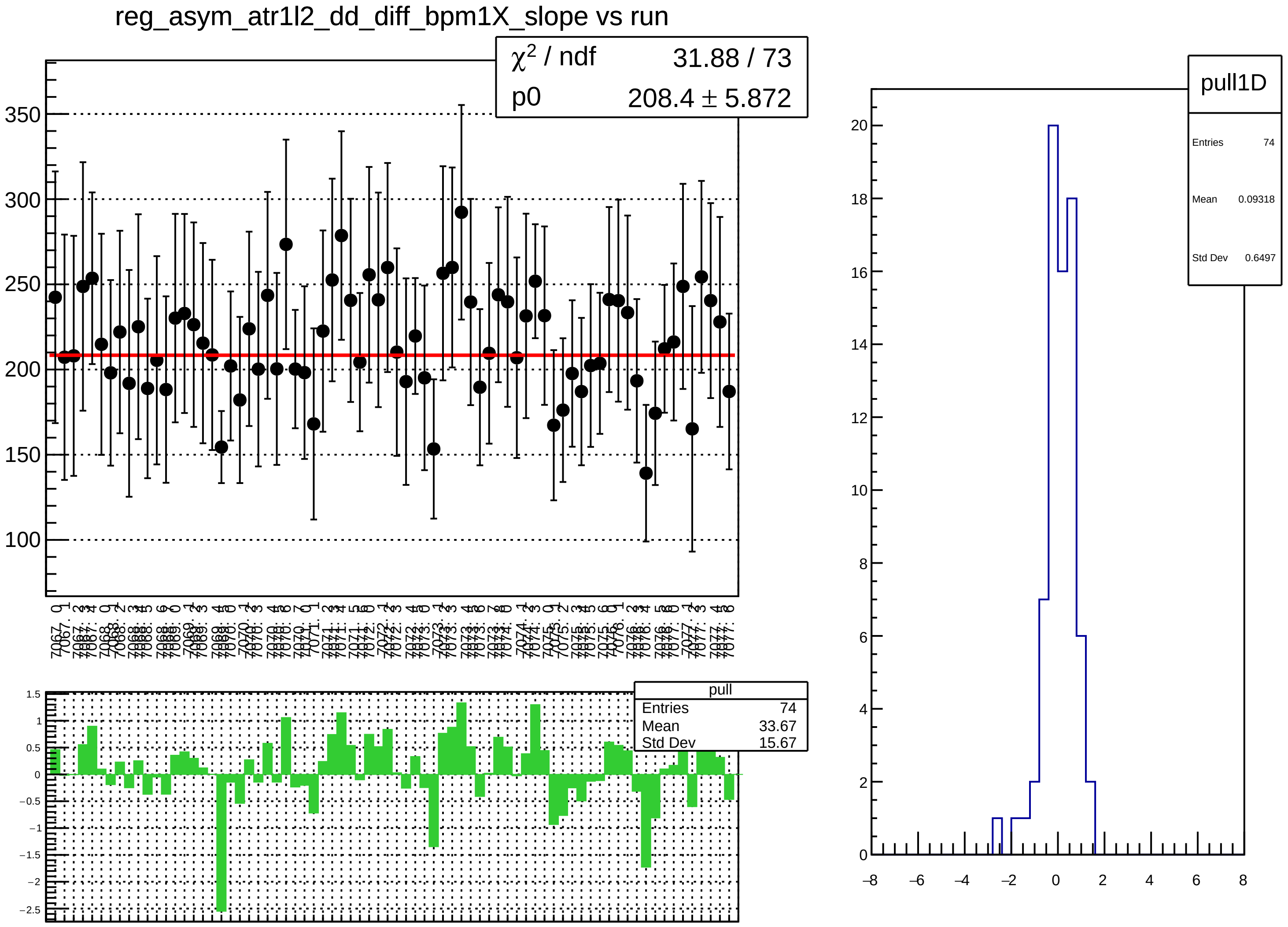


reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 24.63 / 73
p0 183.1 ± 6.15
pull
Entries 74
Mean 53.8
Std Dev 11.57
pull1D
Entries 74
Mean 0.07002
Std Dev 0.5727

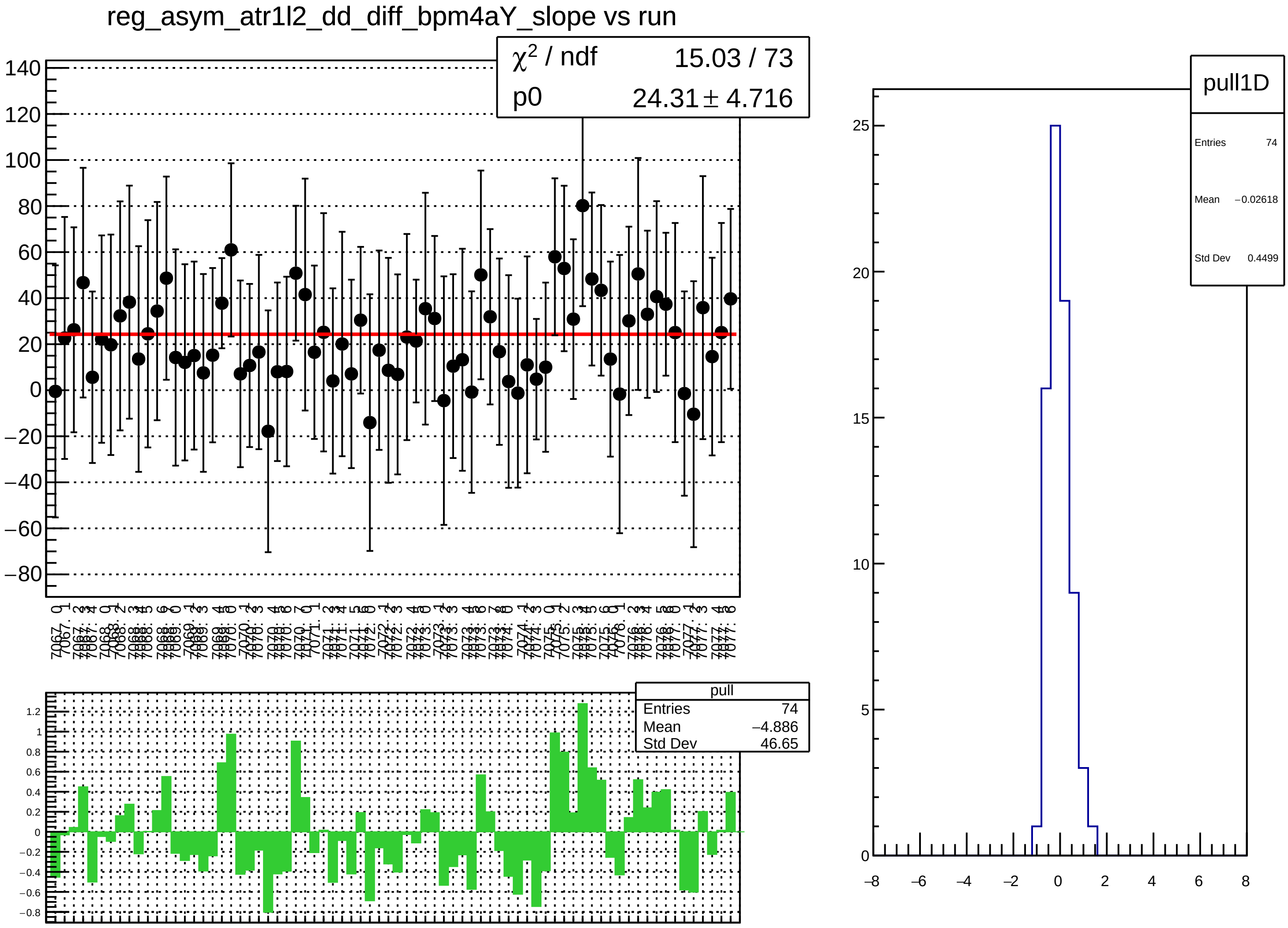

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 18.71 / 73
p0 92.4 ± 5.331
pull
Entries 74
Mean 4.512
Std Dev 56.78
pull1D
Entries 74
Mean −0.02237
Std Dev 0.5023



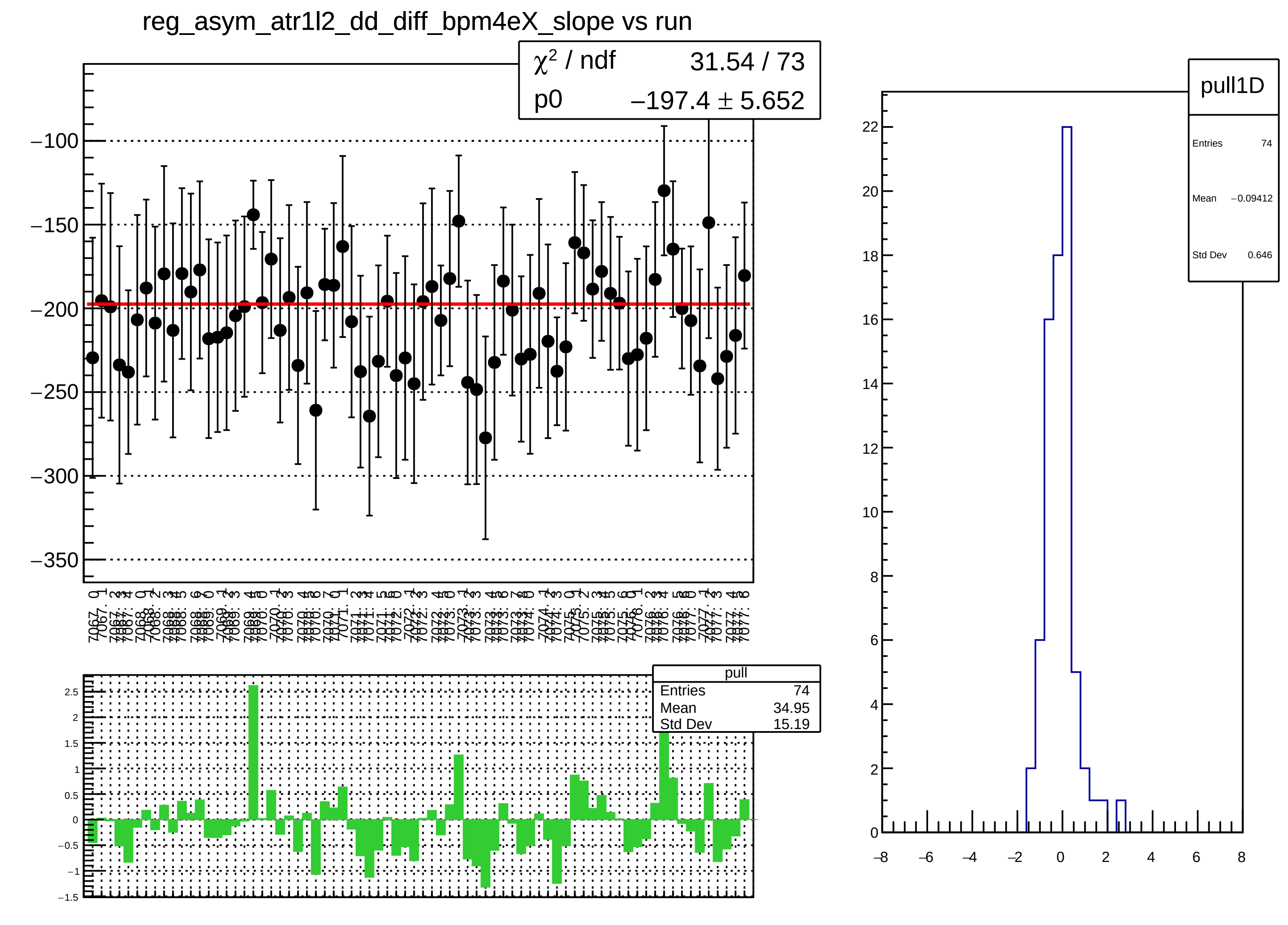
reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 23.79 / 73
p0 −151.4 ± 0.2432
pull
Entries 74
Mean −46.32
Std Dev 73.11
pull1D
Entries 74
Mean 0.02937
Std Dev 0.5663



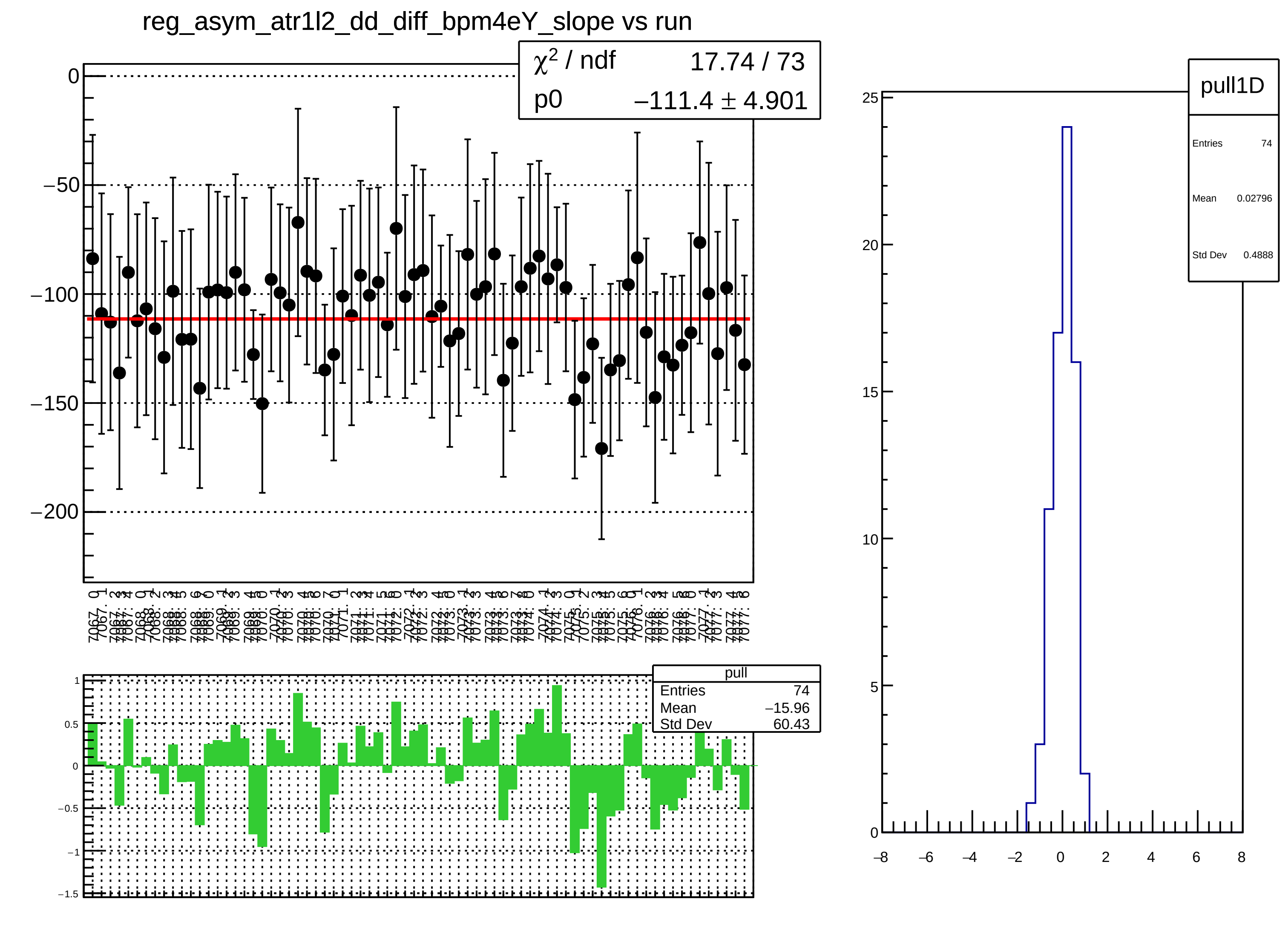
reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ2 / ndf 31.88 / 73
p0 208.4 ± 5.872
pull
Entries 74
Mean 33.67
Std Dev 15.67
pull1D
Entries 74
Mean 0.09318
Std Dev 0.6497

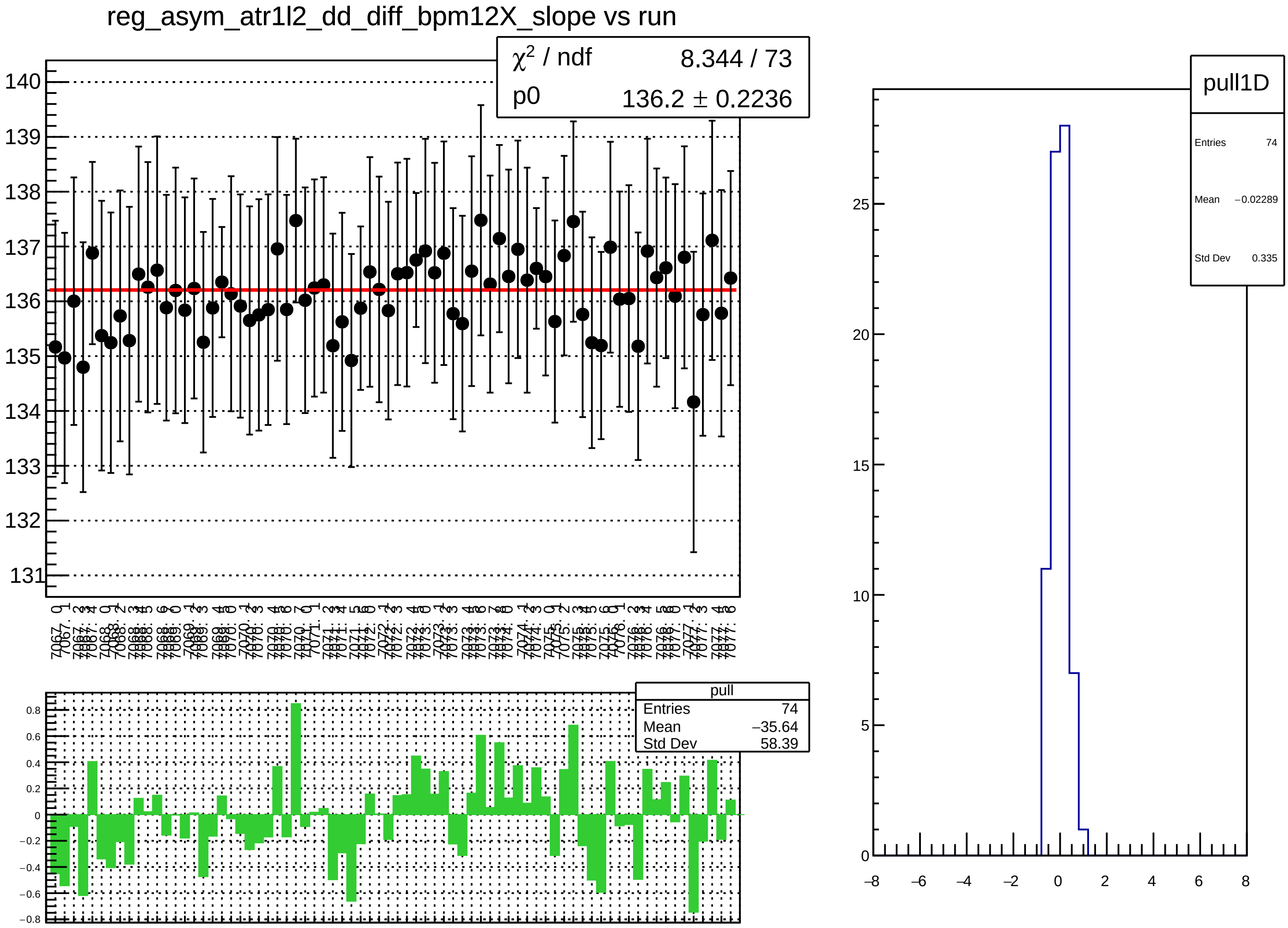


reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 15.03 / 73
p0 24.31 ± 4.716
pull
Entries 74
Mean −4.886
Std Dev 46.65
pull1D
Entries 74
Mean −0.02618
Std Dev 0.4499

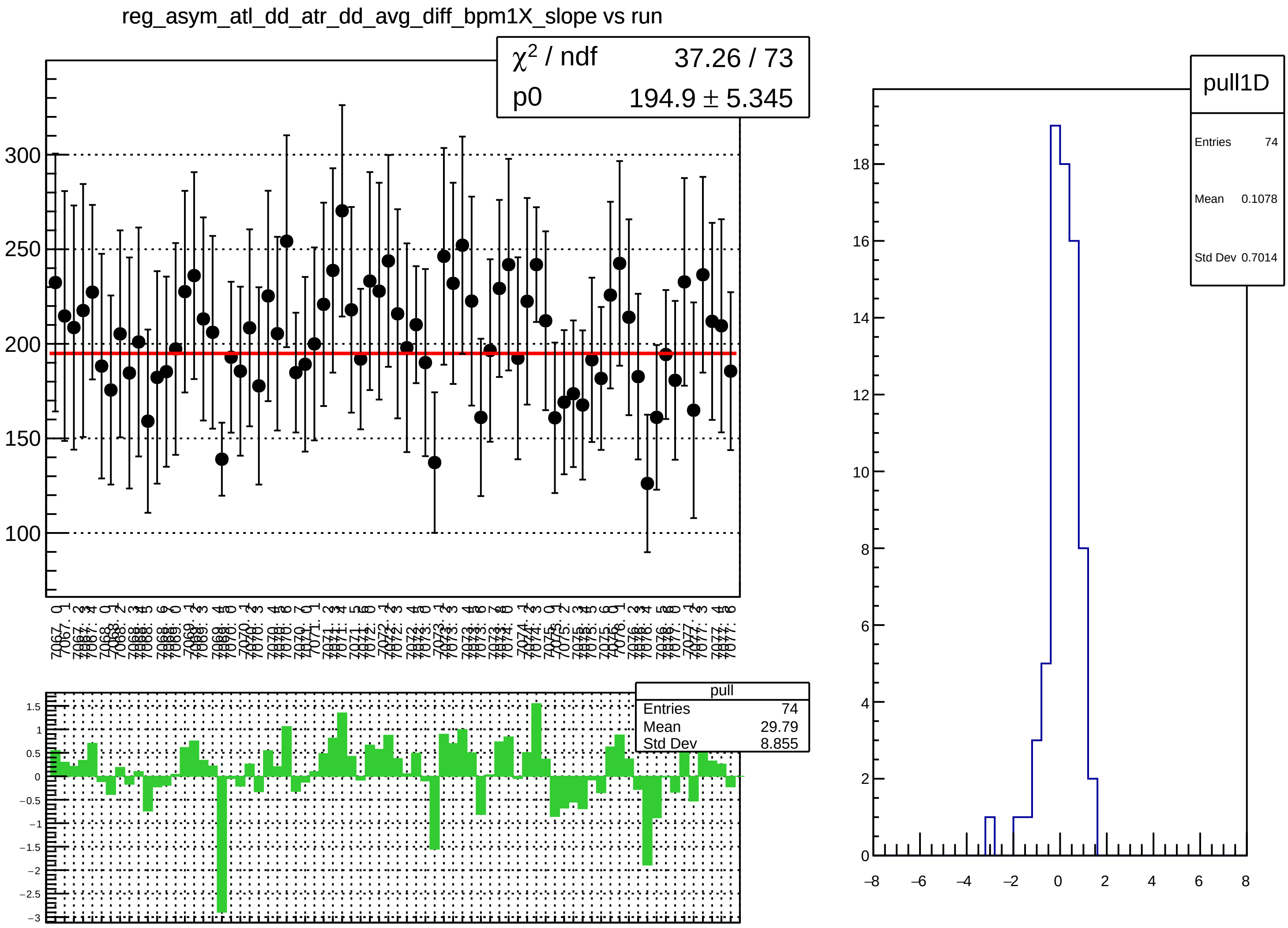


reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 31.54 / 73
p0 −197.4 ± 5.652
pull
Entries 74
Mean 34.95
Std Dev 15.19
pull1D
Entries 74
Mean −0.09412
Std Dev 0.646


reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 17.74 / 73
p0 −111.4 ± 4.901
pull
Entries 74
Mean −15.96
Std Dev 60.43
pull1D
Entries 74
Mean 0.02796
Std Dev 0.4888

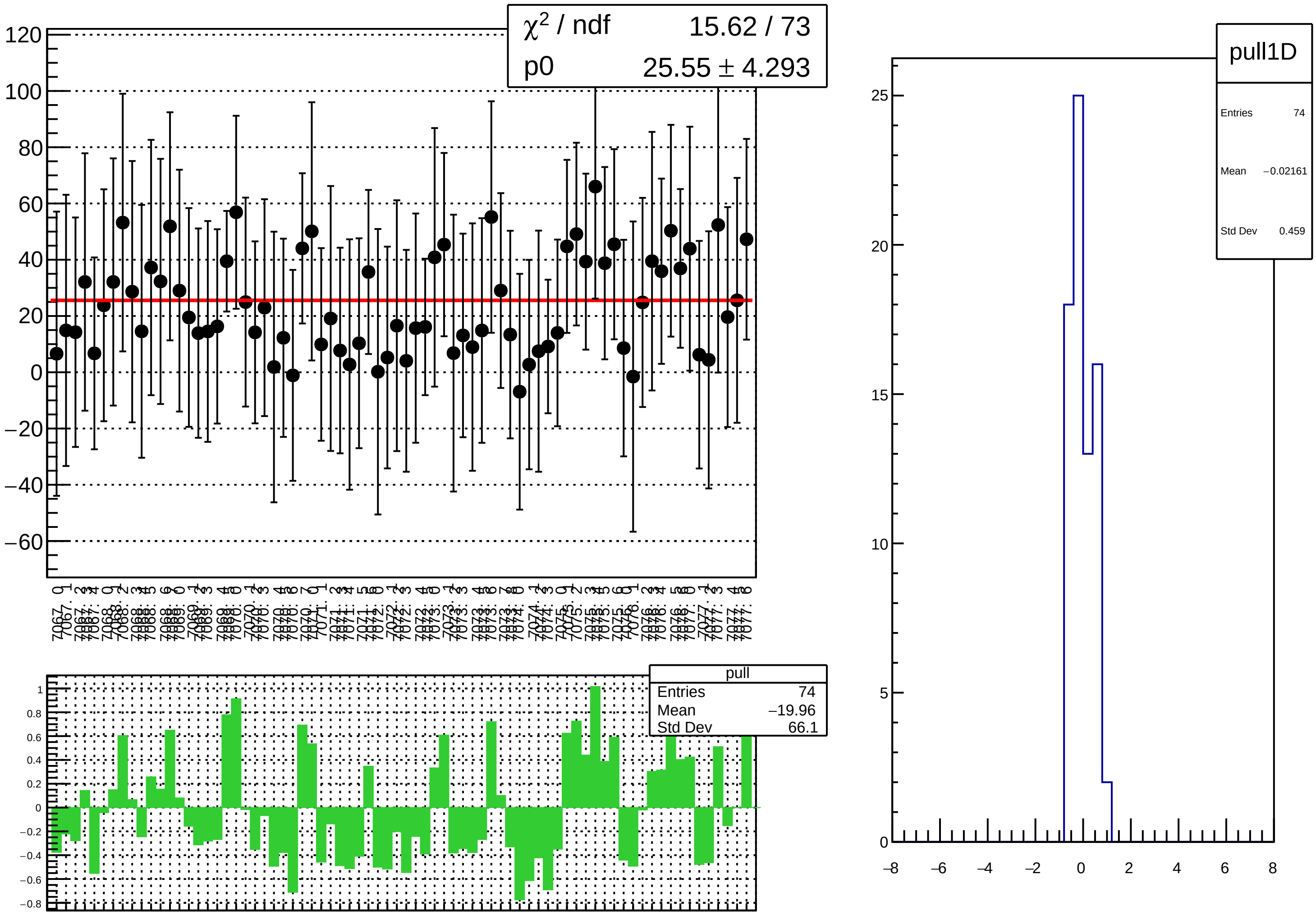


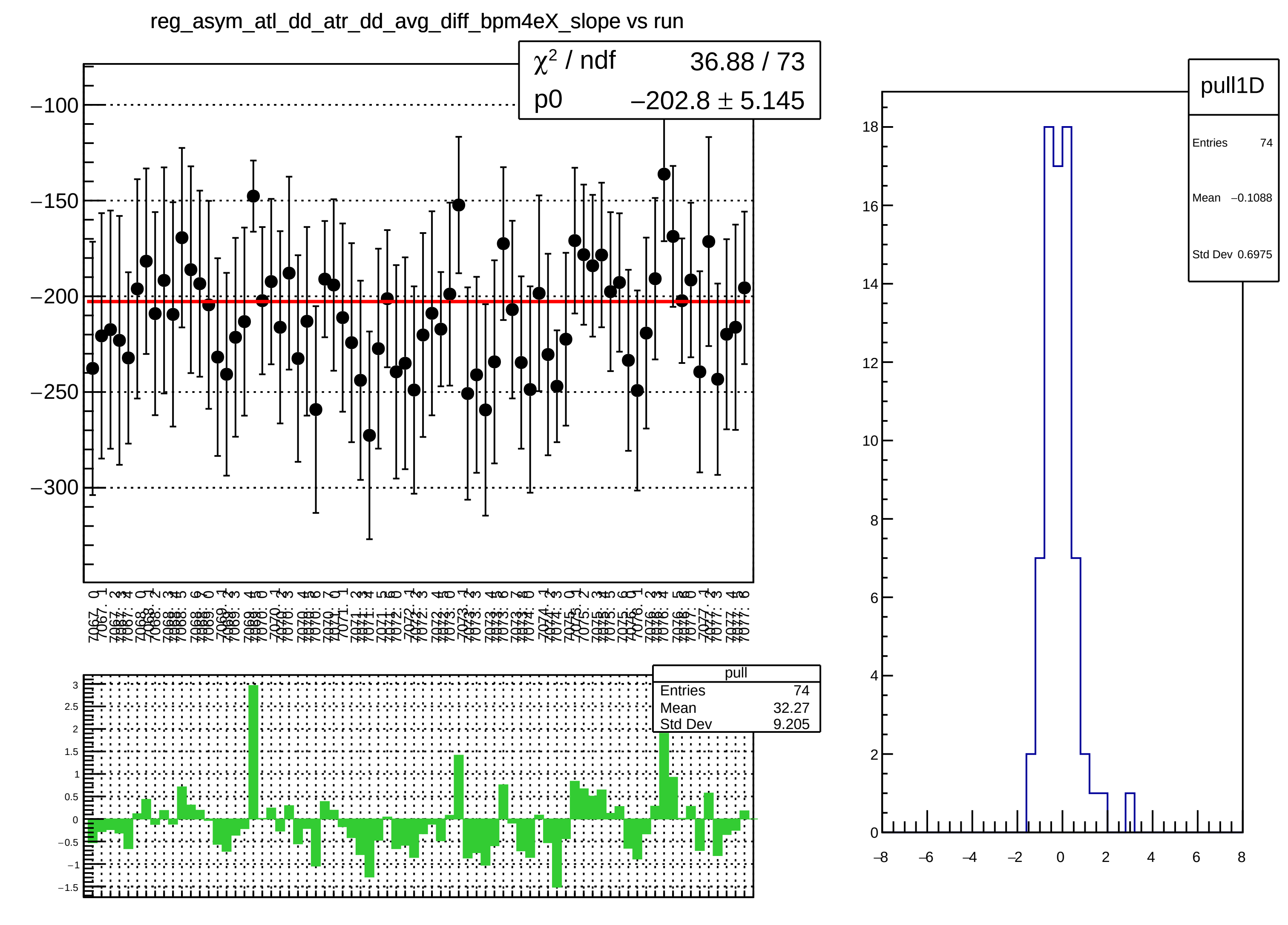
reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ2 / ndf 8.344 / 73
p0 136.2 ± 0.2236
pull
Entries 74
Mean −35.64
Std Dev 58.39
pull1D
Entries 74
Mean −0.02289
Std Dev 0.335

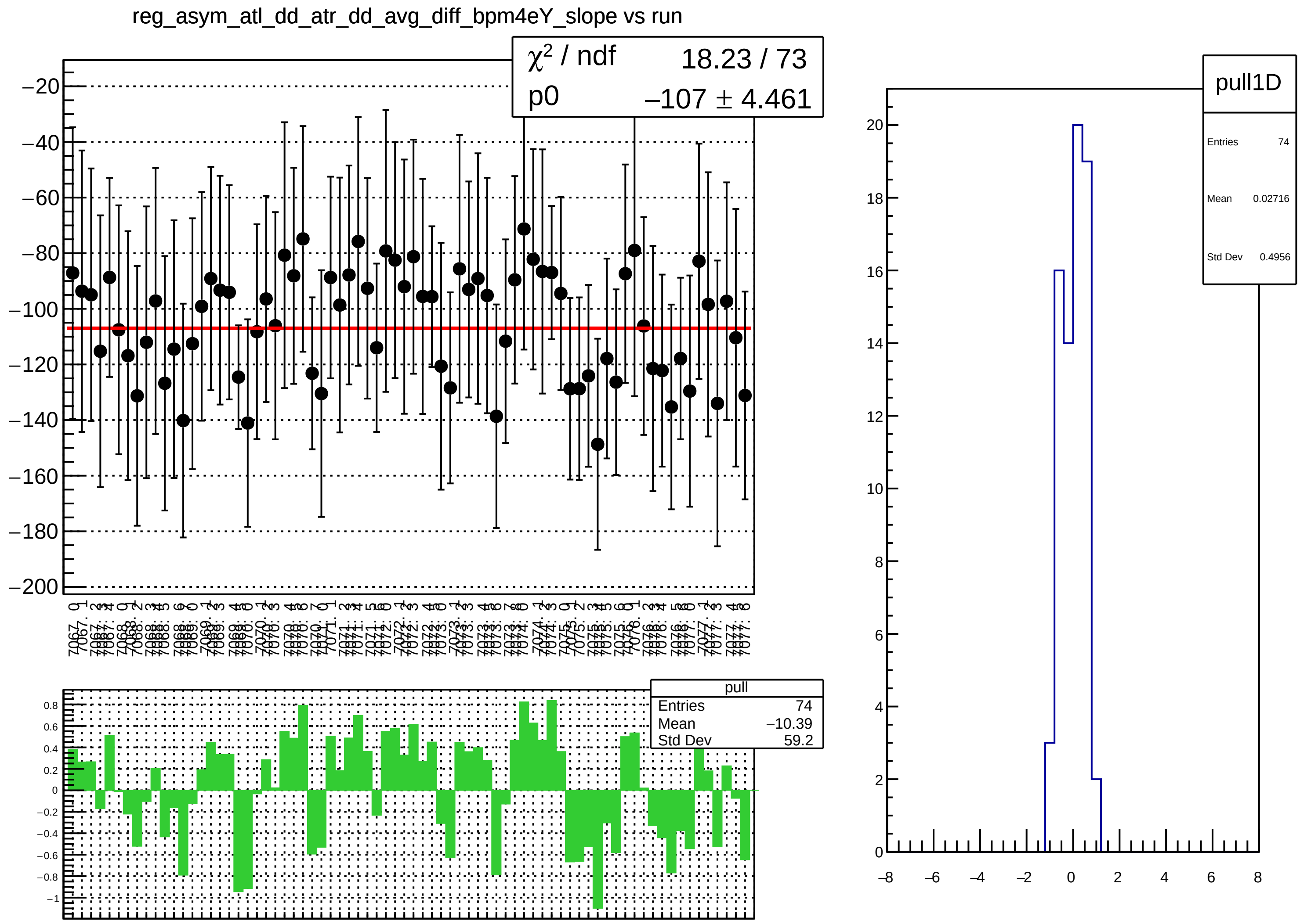


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 37.26 / 73
p0 194.9 ± 5.345
pull
Entries 74
Mean 29.79
Std Dev 8.855
pull1D
Entries 74
Mean 0.1078
Std Dev 0.7014

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run

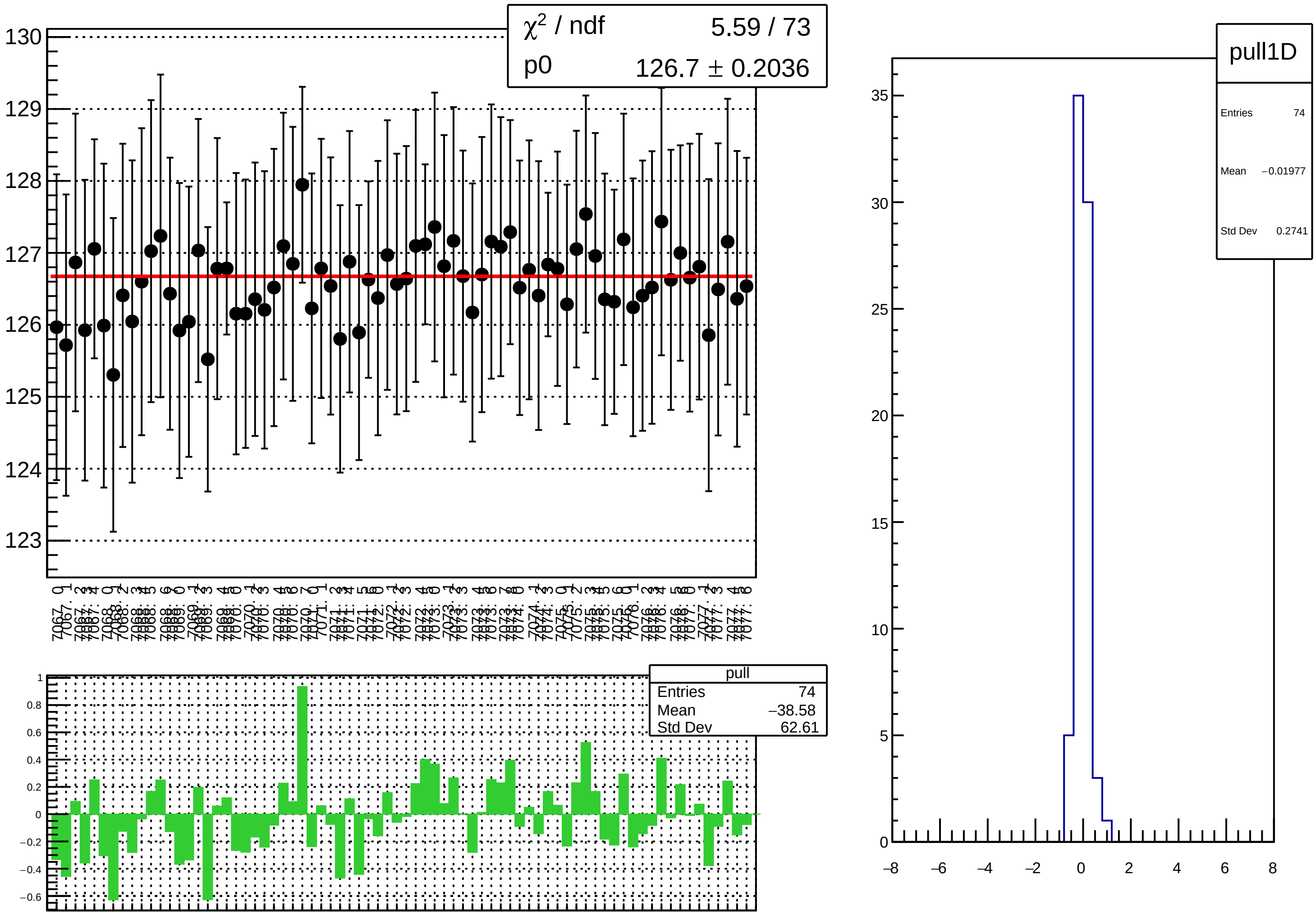


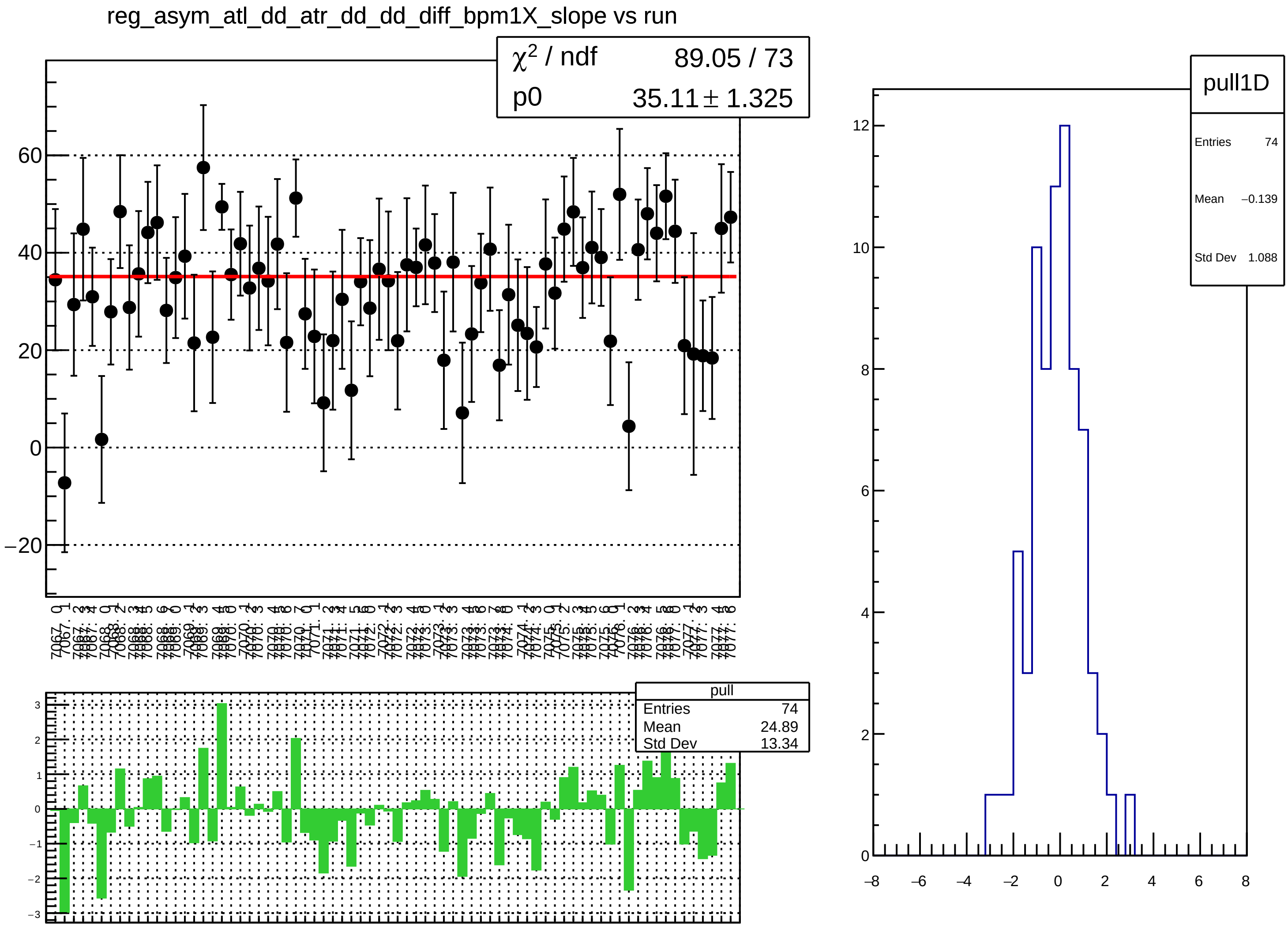

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ2 / ndf 36.88 / 73
p0 −202.8 ± 5.145
pull
Entries 74
Mean 32.27
Std Dev 9.205
pull1D
Entries 74
Mean −0.1088
Std Dev 0.6975



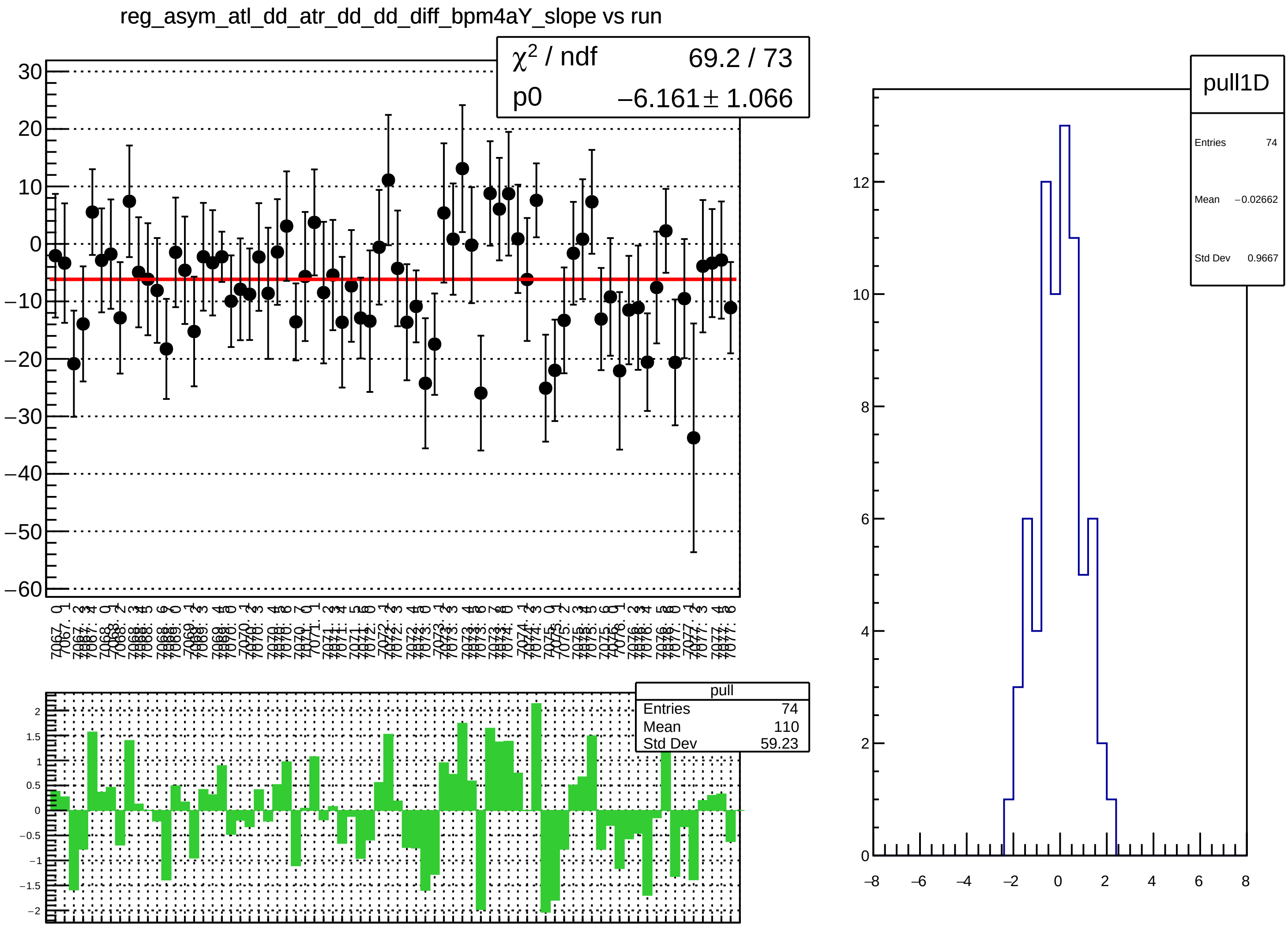
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 18.23 / 73
p0 −107 ± 4.461
pull
Entries 74
Mean −10.39
Std Dev 59.2
pull1D
Entries 74
Mean 0.02716
Std Dev 0.4956

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run

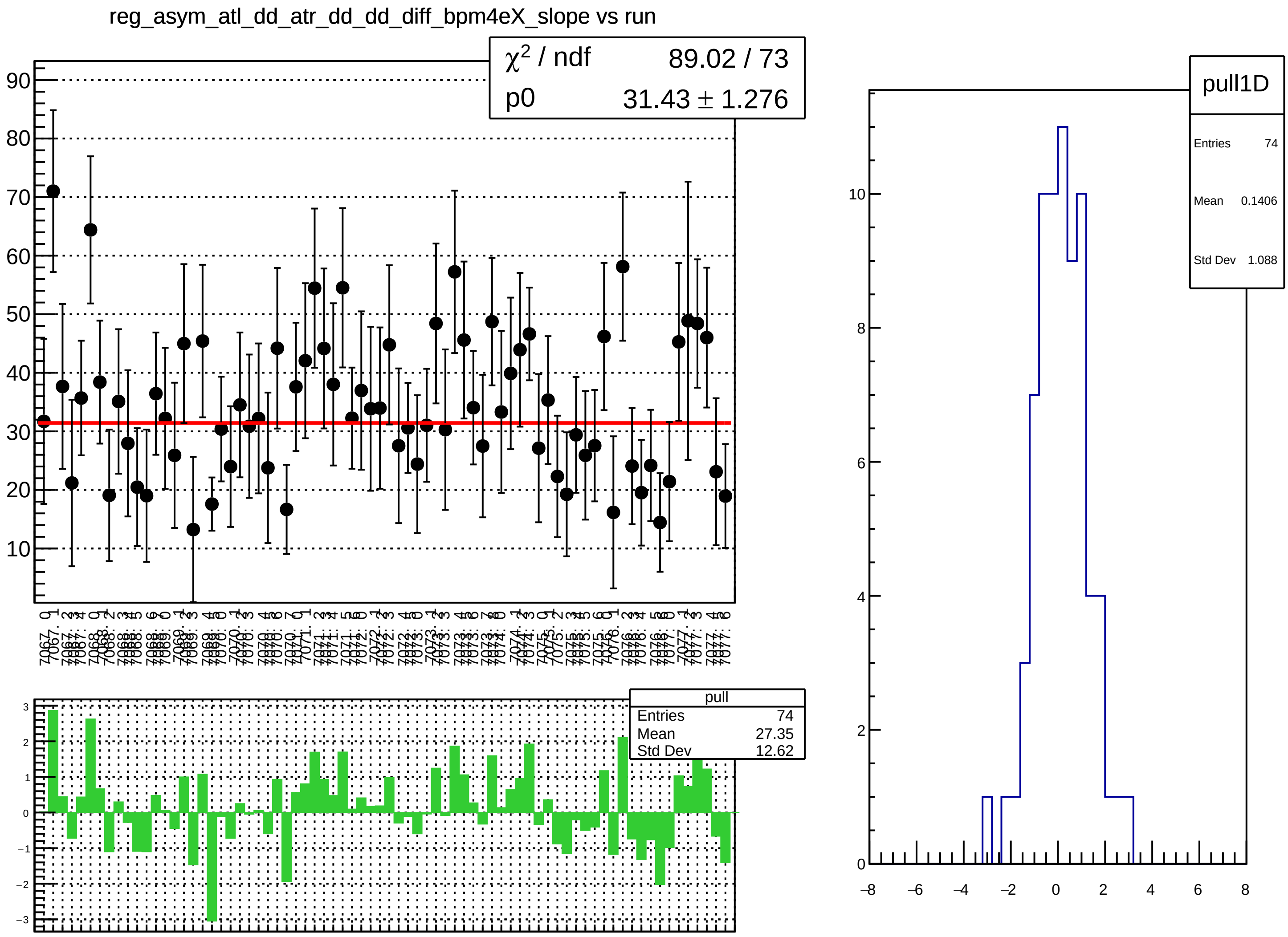




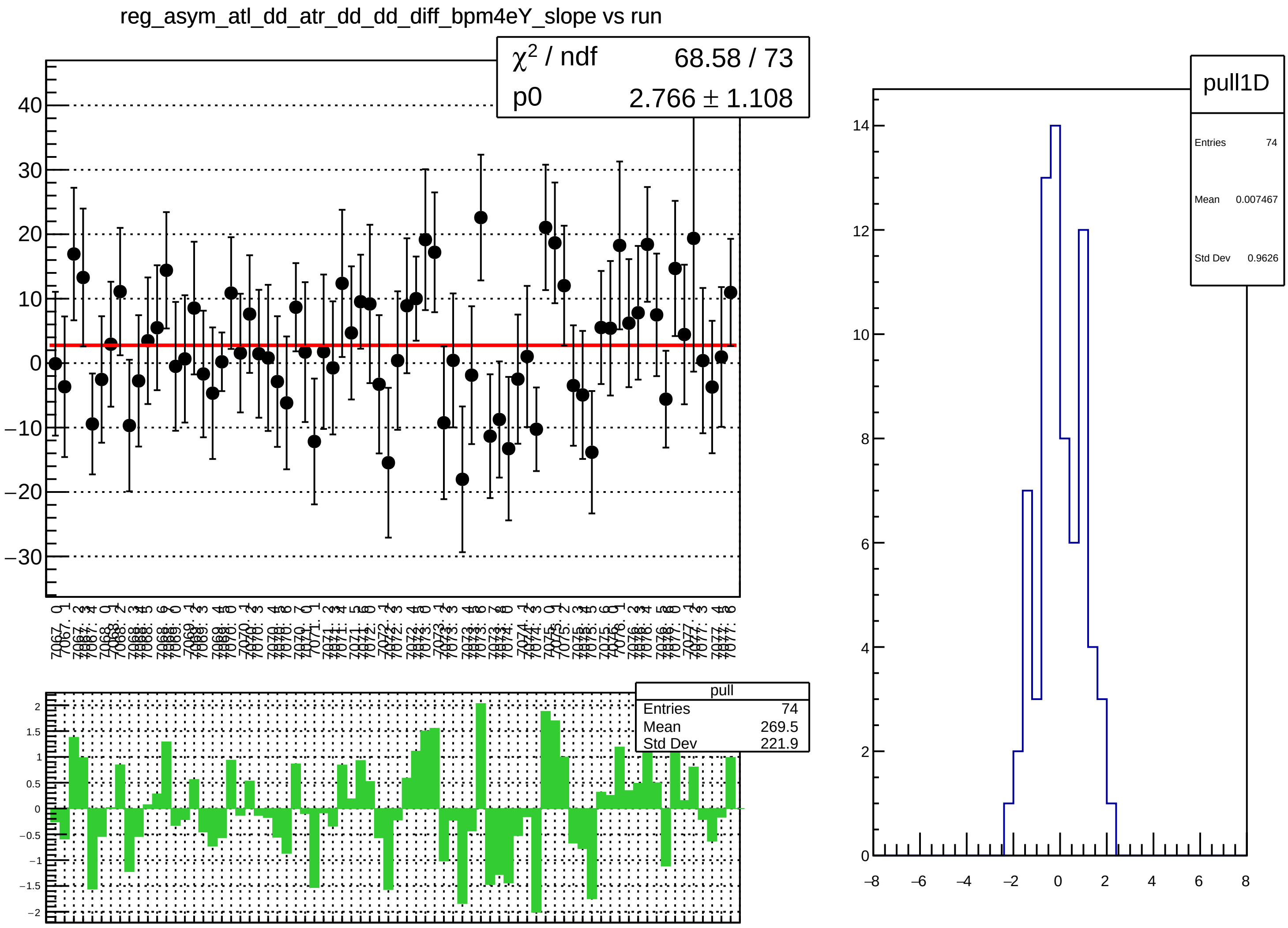
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ^2 / ndf 89.05 / 73
p0 35.11 ± 1.325
pull
Entries 74
Mean 24.89
Std Dev 13.34
pull1D
Entries 74
Mean −0.139
Std Dev 1.088



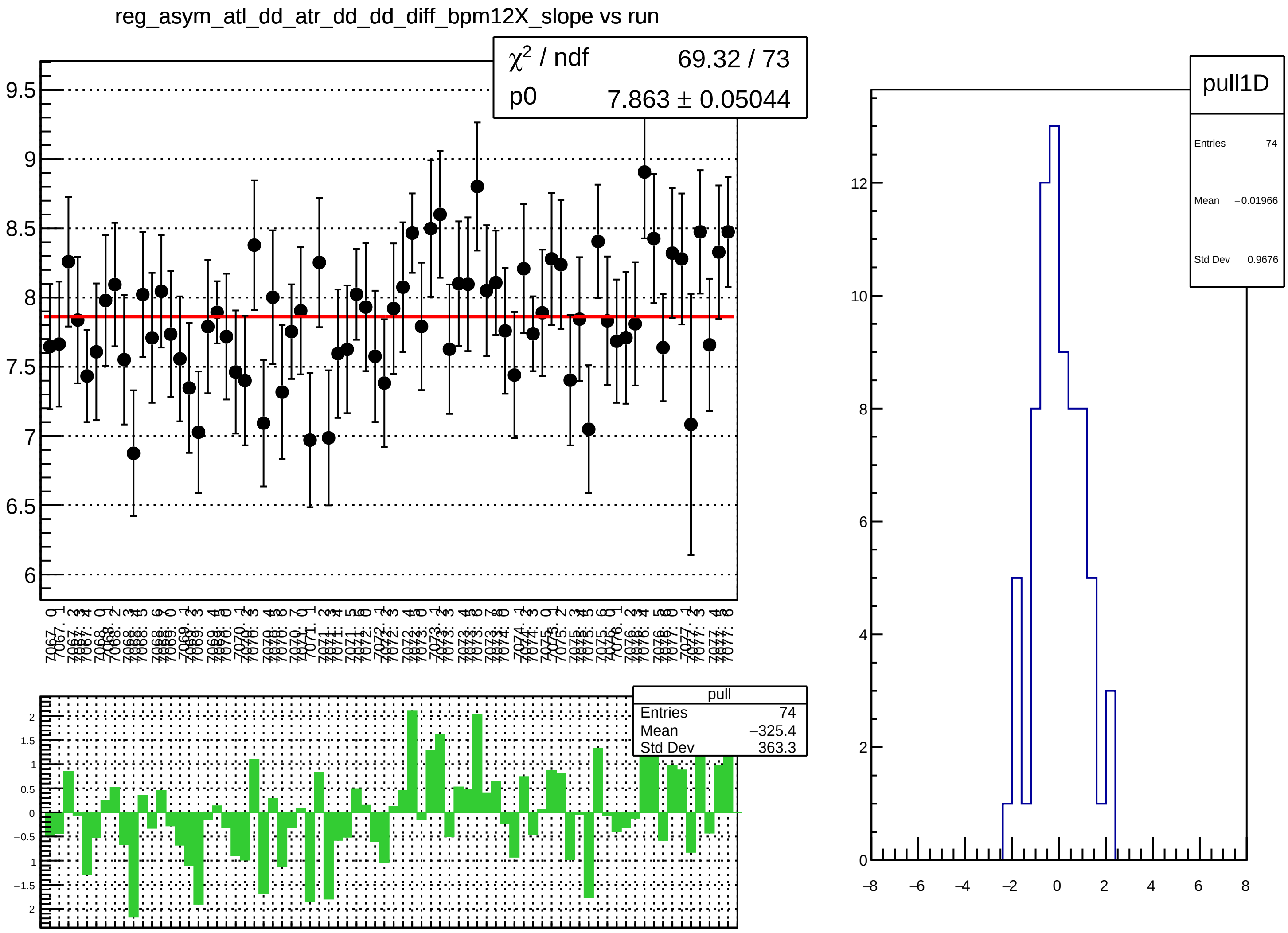
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 69.2 / 73
p0 −6.161 ± 1.066
pull
Entries 74
Mean 110
Std Dev 59.23
pull1D
Entries 74
Mean −0.02662
Std Dev 0.9667

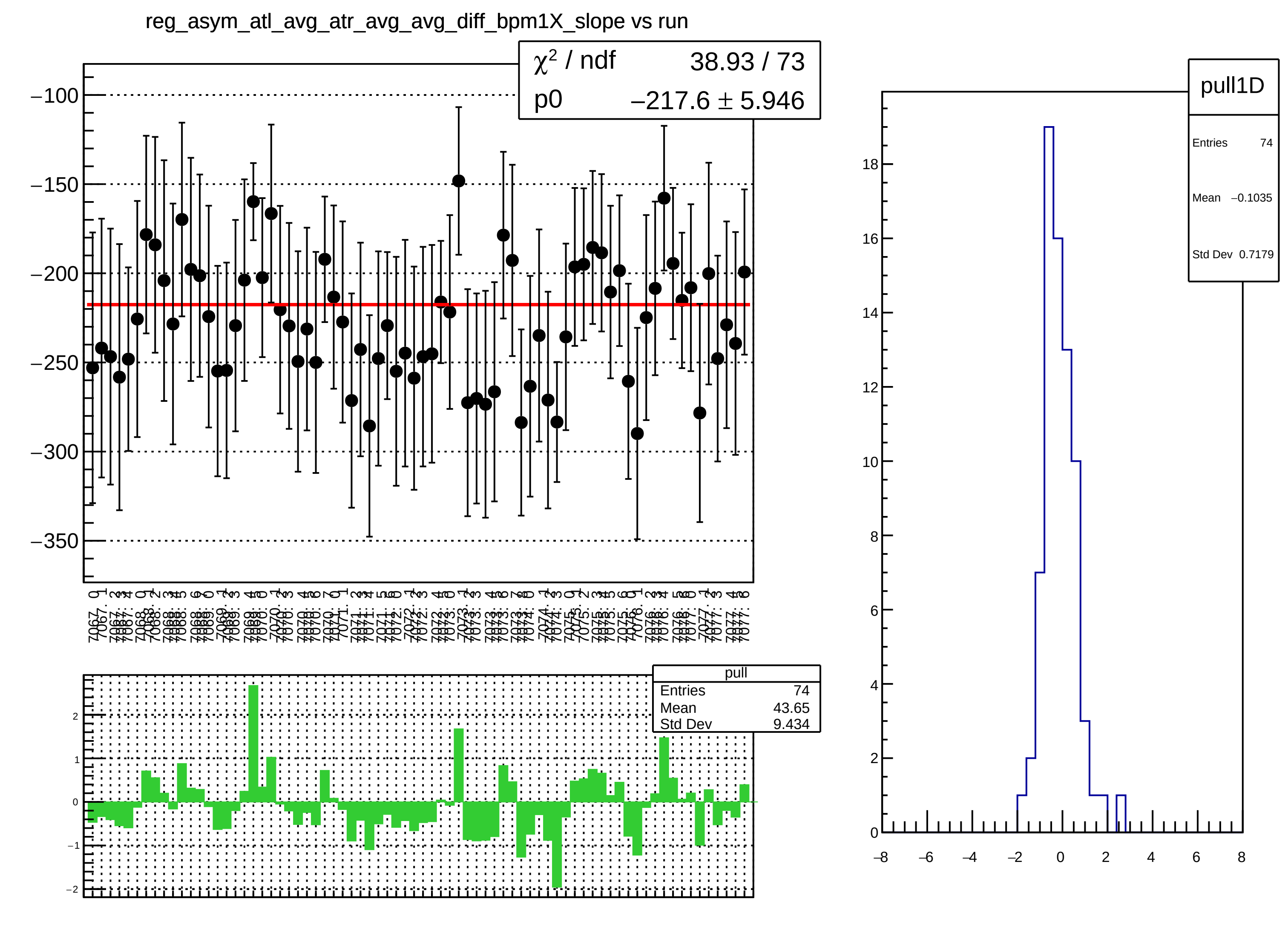


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 89.02 / 73
p0 31.43 ± 1.276
pull
Entries 74
Mean 27.35
Std Dev 12.62
pull1D
Entries 74
Mean 0.1406
Std Dev 1.088

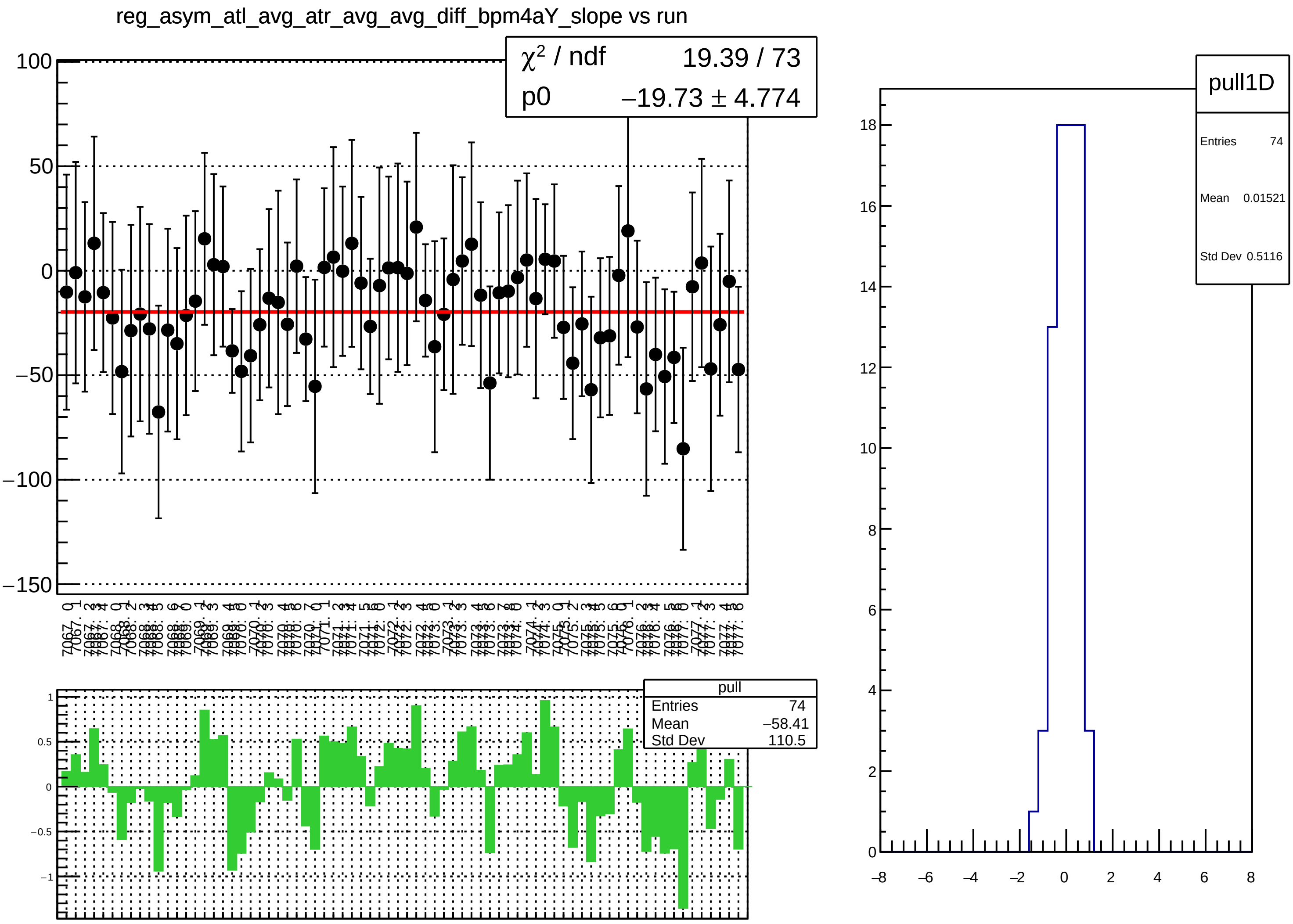


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 68.58 / 73
p0 2.766 ± 1.108
pull
Entries 74
Mean 269.5
Std Dev 221.9
pull1D
Entries 74
Mean 0.007467
Std Dev 0.9626

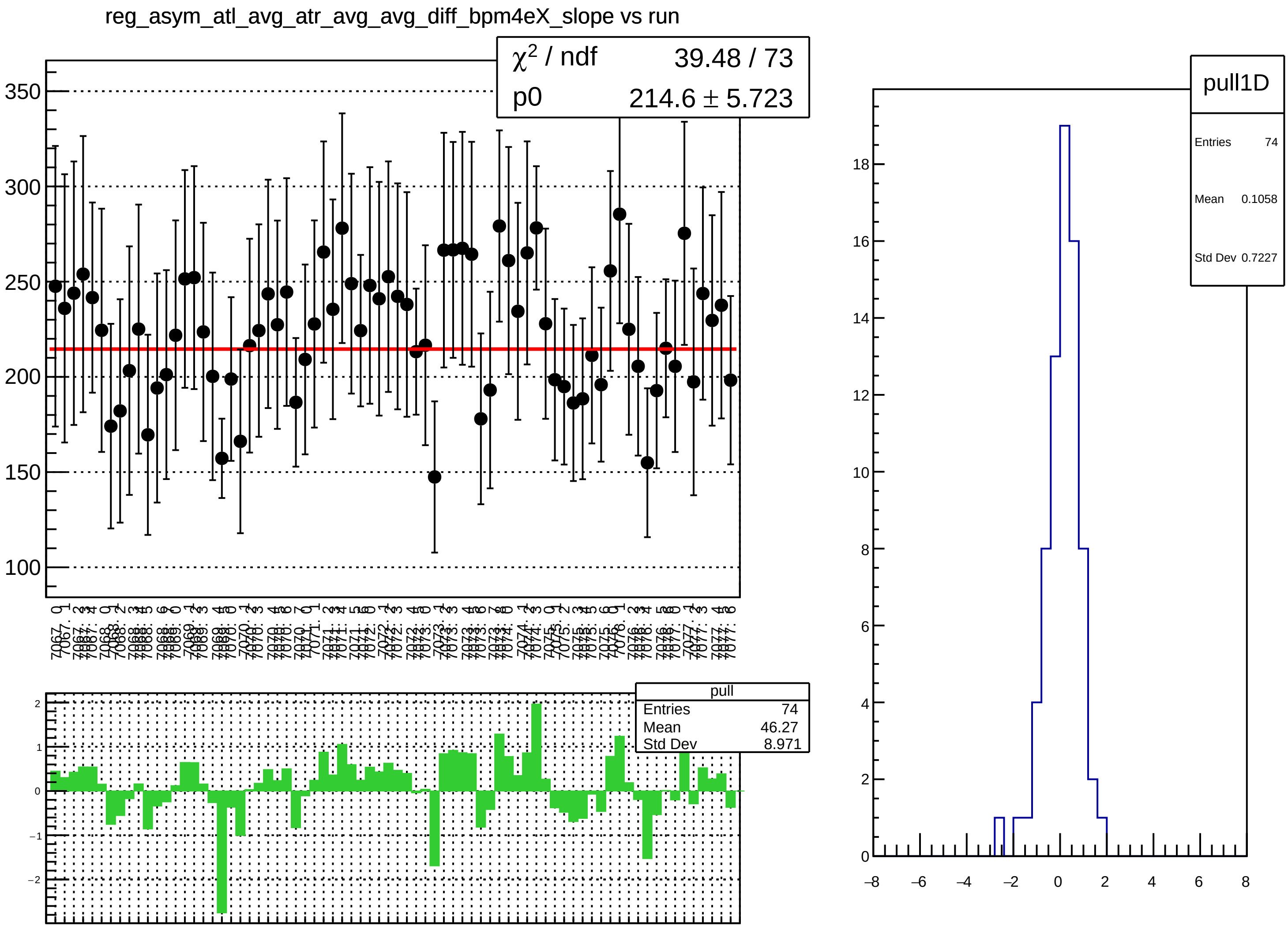

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ2 / ndf 69.32 / 73
p0 7.863 ± 0.05044
pull
Entries 74
Mean −325.4
Std Dev 363.3
pull1D
Entries 74
Mean −0.01966
Std Dev 0.9676



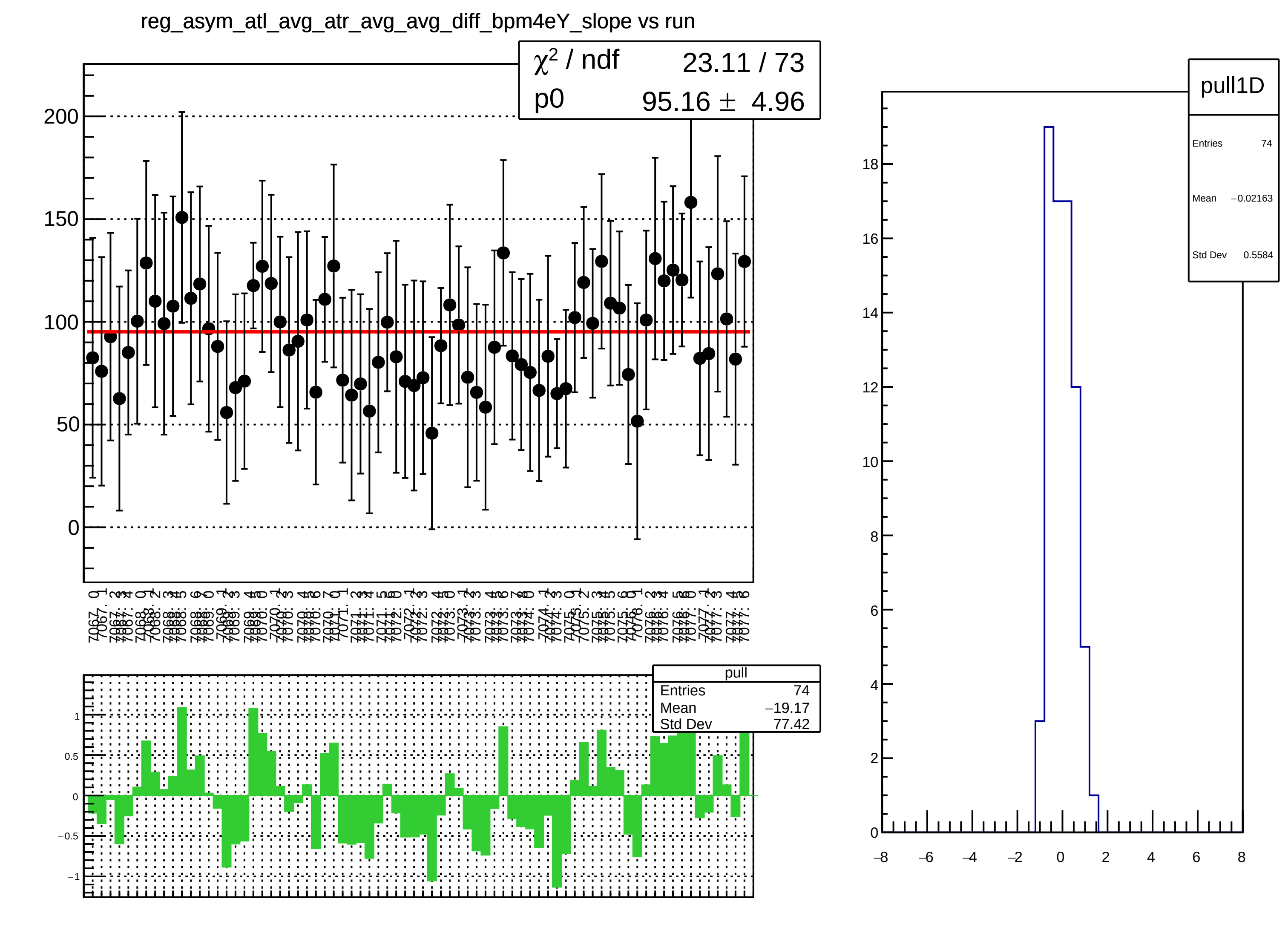
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 38.93 / 73
p0 −217.6 ± 5.946
pull
Entries 74
Mean 43.65
Std Dev 9.434
pull1D
Entries 74
Mean −0.1035
Std Dev 0.7179



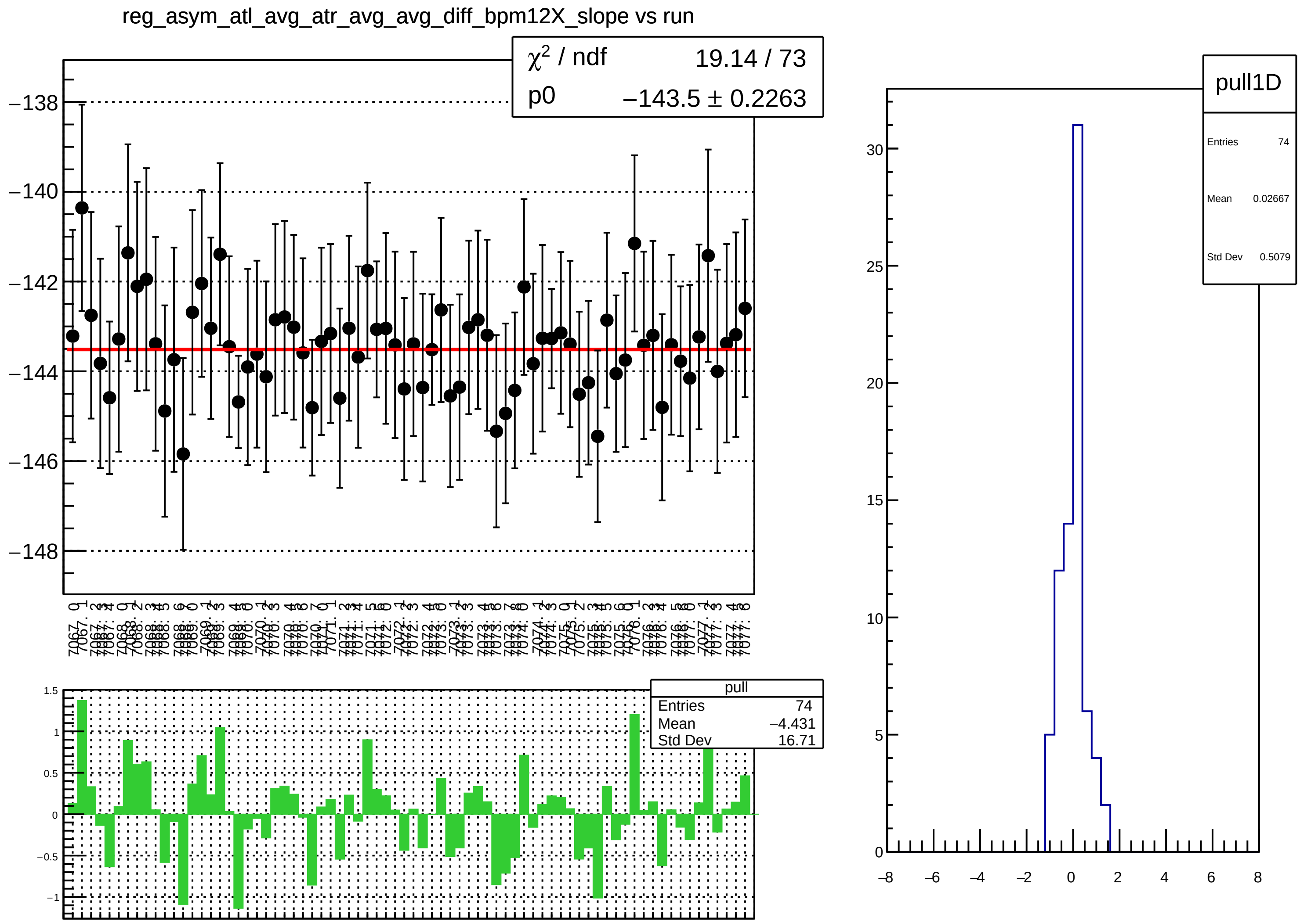
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 19.39 / 73
p0 −19.73 ± 4.774
pull
Entries 74
Mean −58.41
Std Dev 110.5
pull1D
Entries 74
Mean 0.01521
Std Dev 0.5116



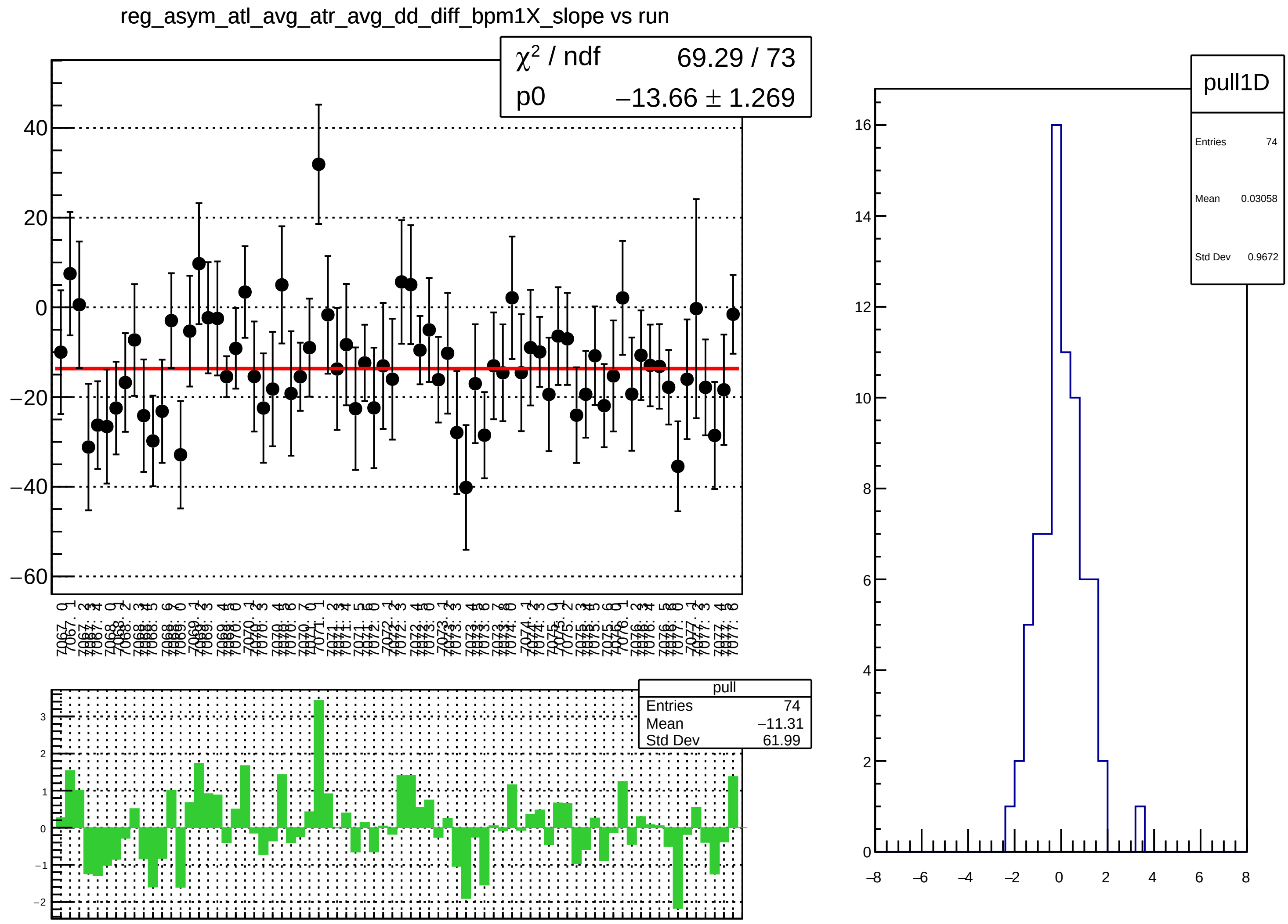
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ2 / ndf 39.48 / 73
p0 214.6 ± 5.723
pull
Entries 74
Mean 46.27
Std Dev 8.971
pull1D
Entries 74
Mean 0.1058
Std Dev 0.7227

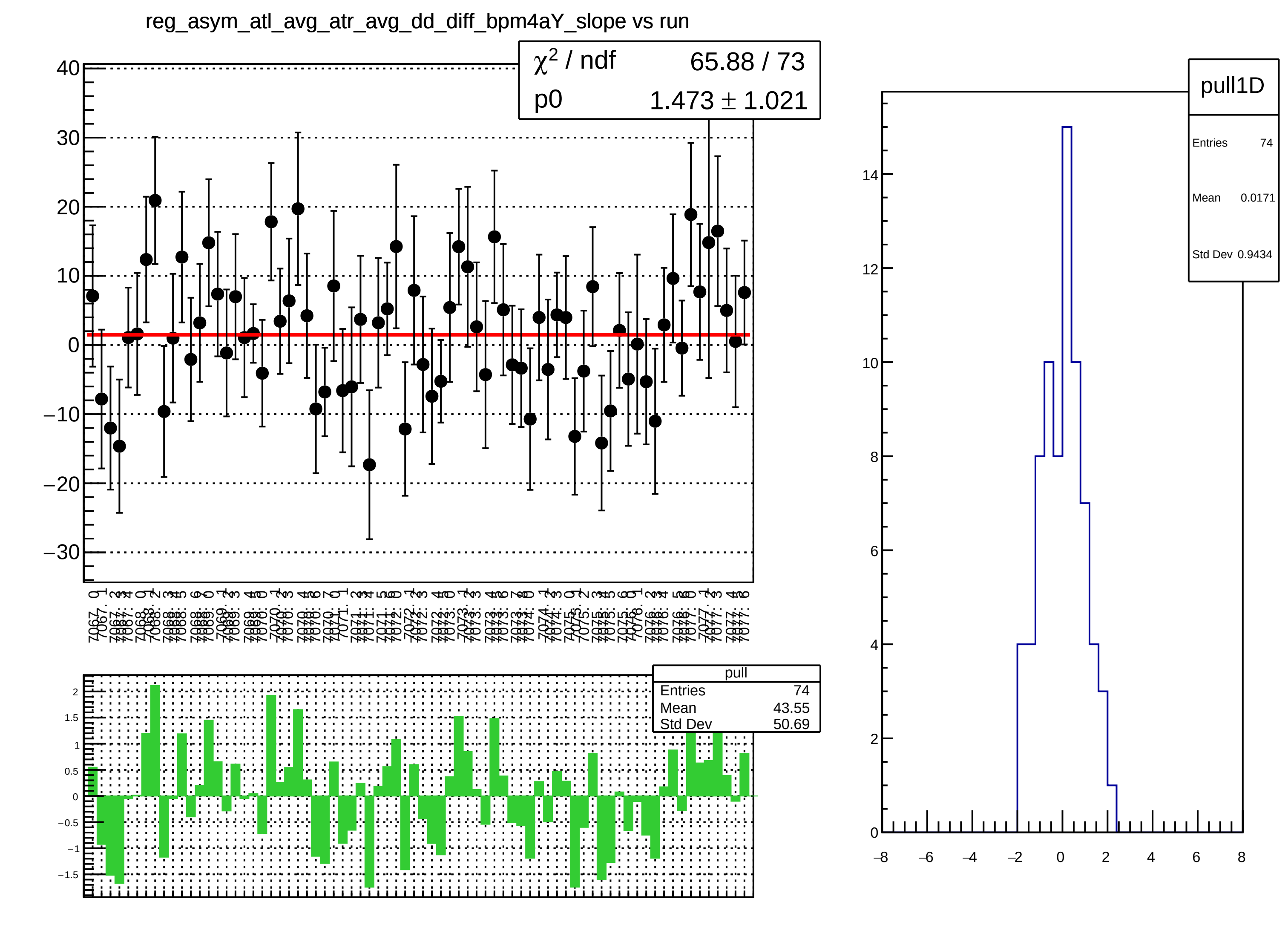


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.11 / 73
p0 95.16 ± 4.96
pull
Entries 74
Mean −19.17
Std Dev 77.42
pull1D
Entries 74
Mean −0.02163
Std Dev 0.5584

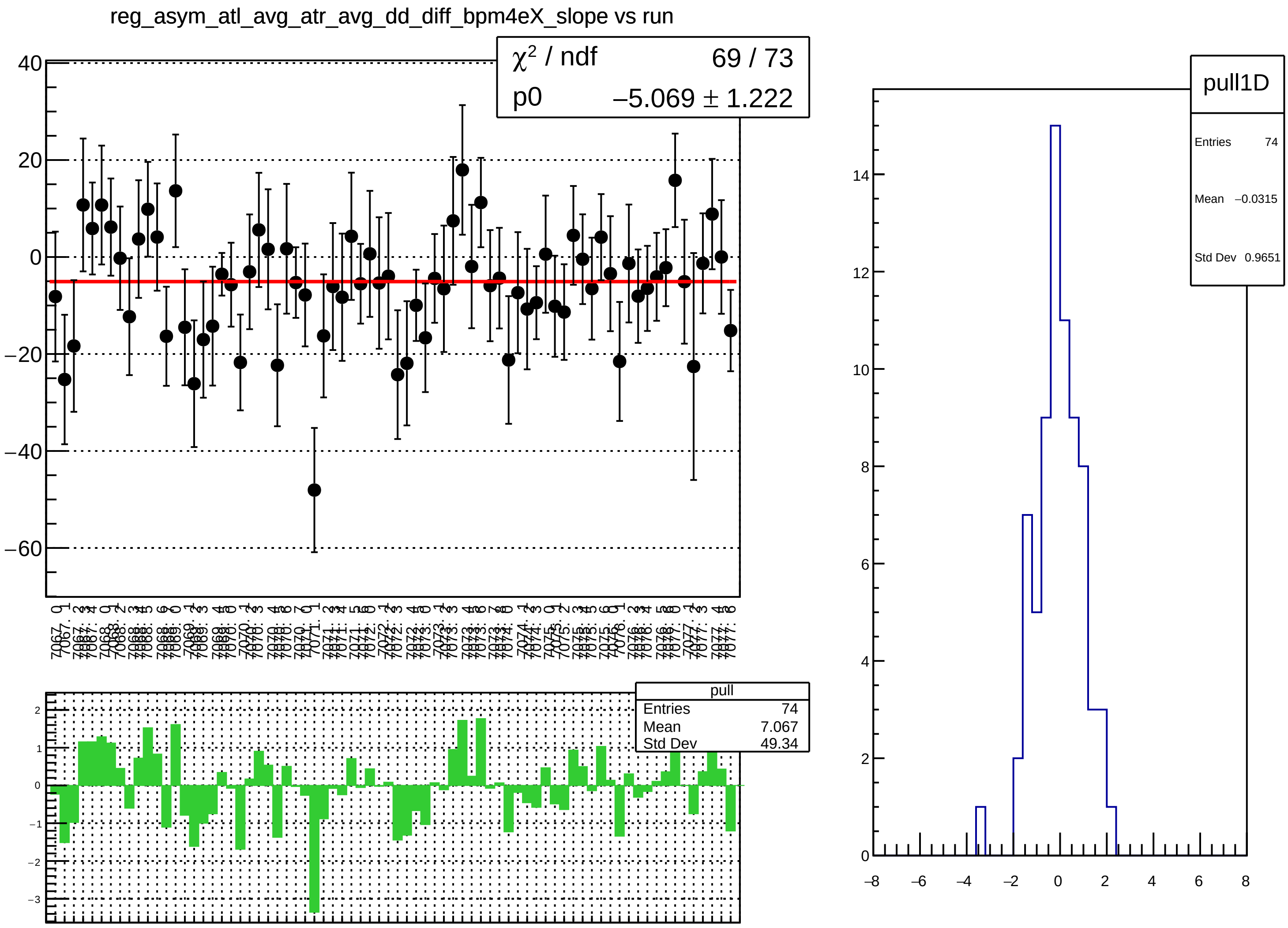


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 19.14 / 73
p0 −143.5 ± 0.2263
pull
Entries 74
Mean −4.431
Std Dev 16.71
pull1D
Entries 74
Mean 0.02667
Std Dev 0.5079

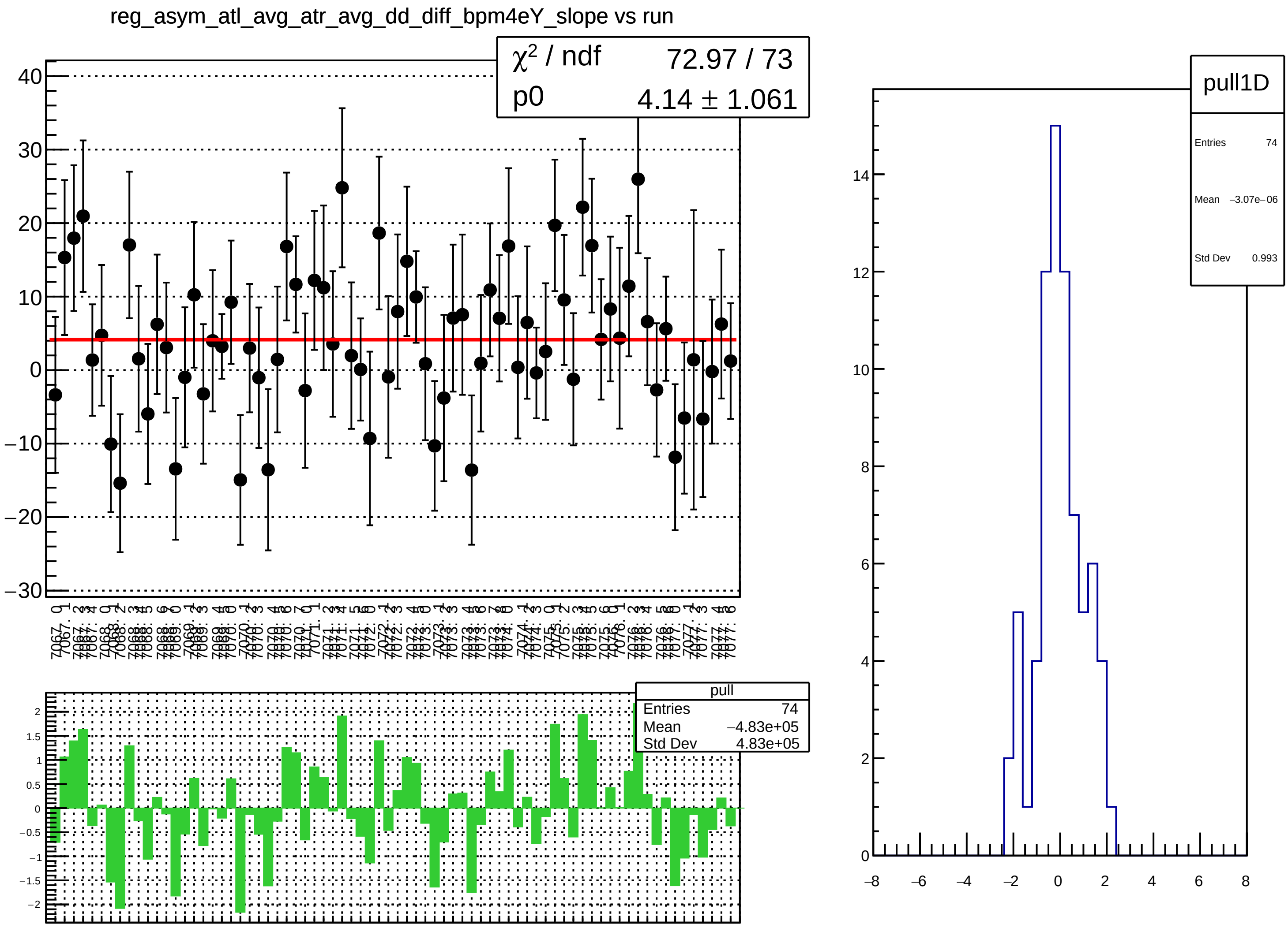

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ2 / ndf 69.29 / 73
p0 −13.66 ± 1.269
pull1D
Entries 74
Mean 0.03058
Std Dev 0.9672
pull
Entries 74
Mean −11.31
Std Dev 61.99



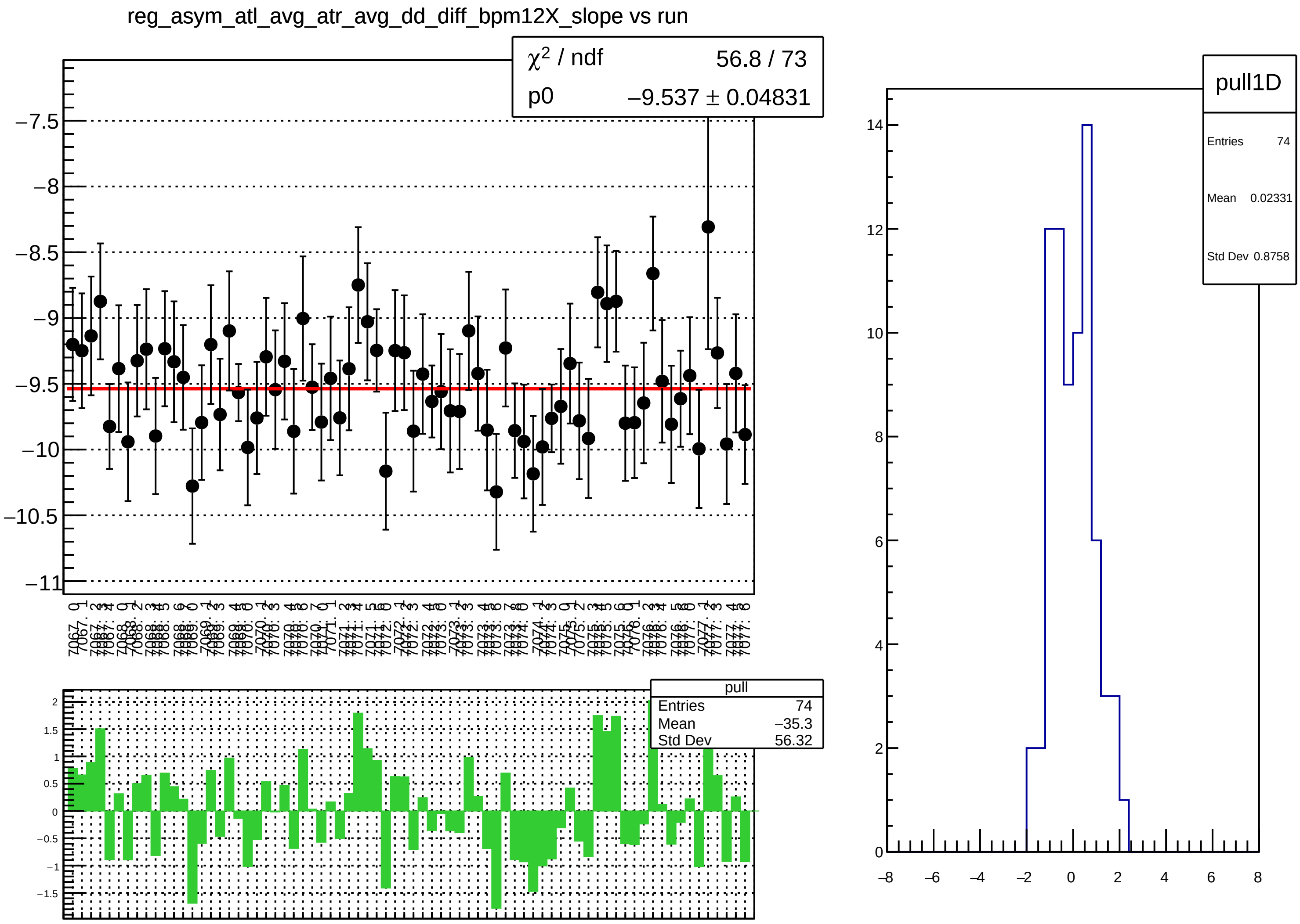
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ2 / ndf 65.88 / 73
p0 1.473 ± 1.021
pull
Entries 74
Mean 43.55
Std Dev 50.69
pull1D
Entries 74
Mean 0.0171
Std Dev 0.9434



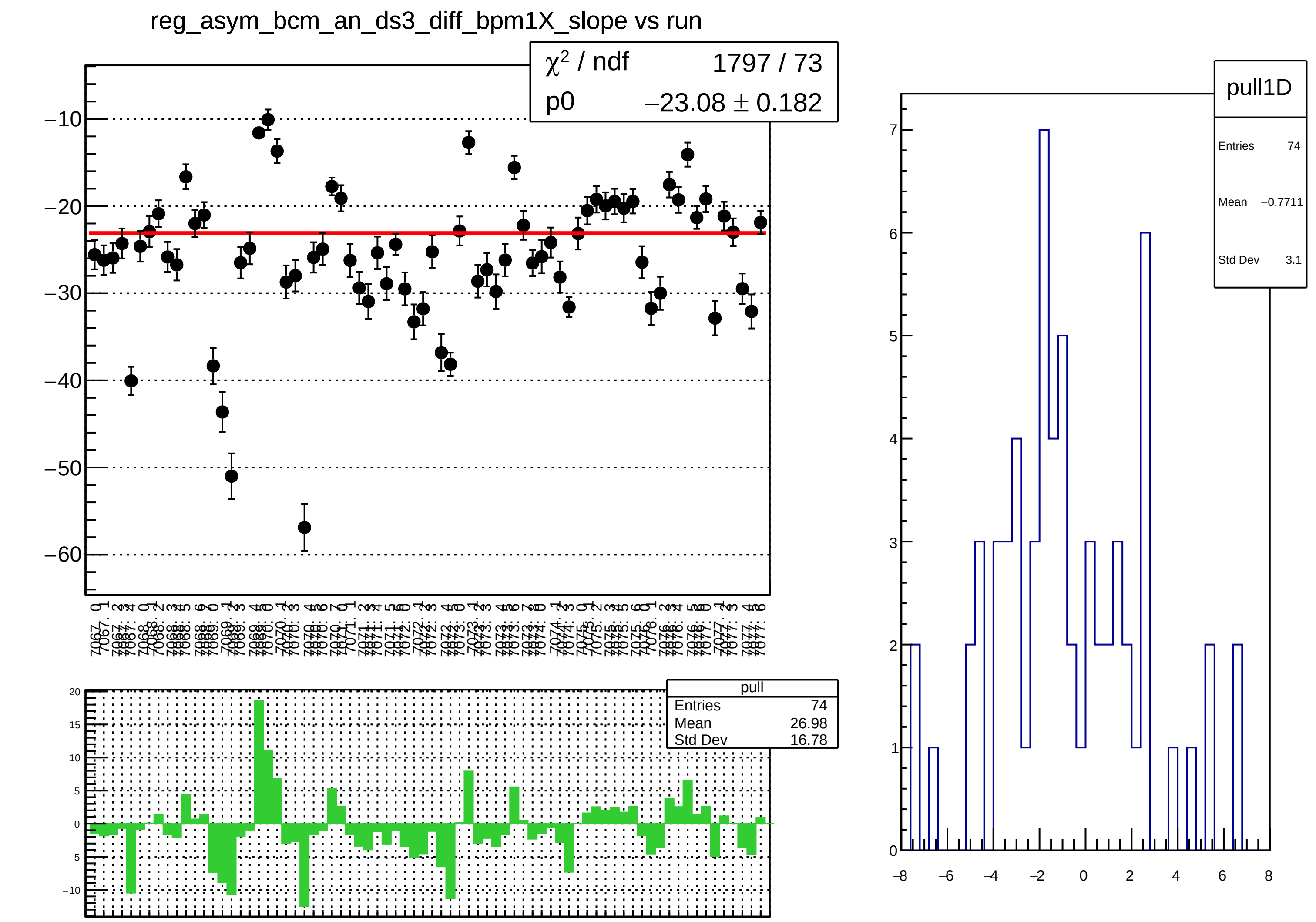
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ2 / ndf 69 / 73
p0 −5.069 ± 1.222
pull
Entries 74
Mean 7.067
Std Dev 49.34
pull1D
Entries 74
Mean −0.0315
Std Dev 0.9651



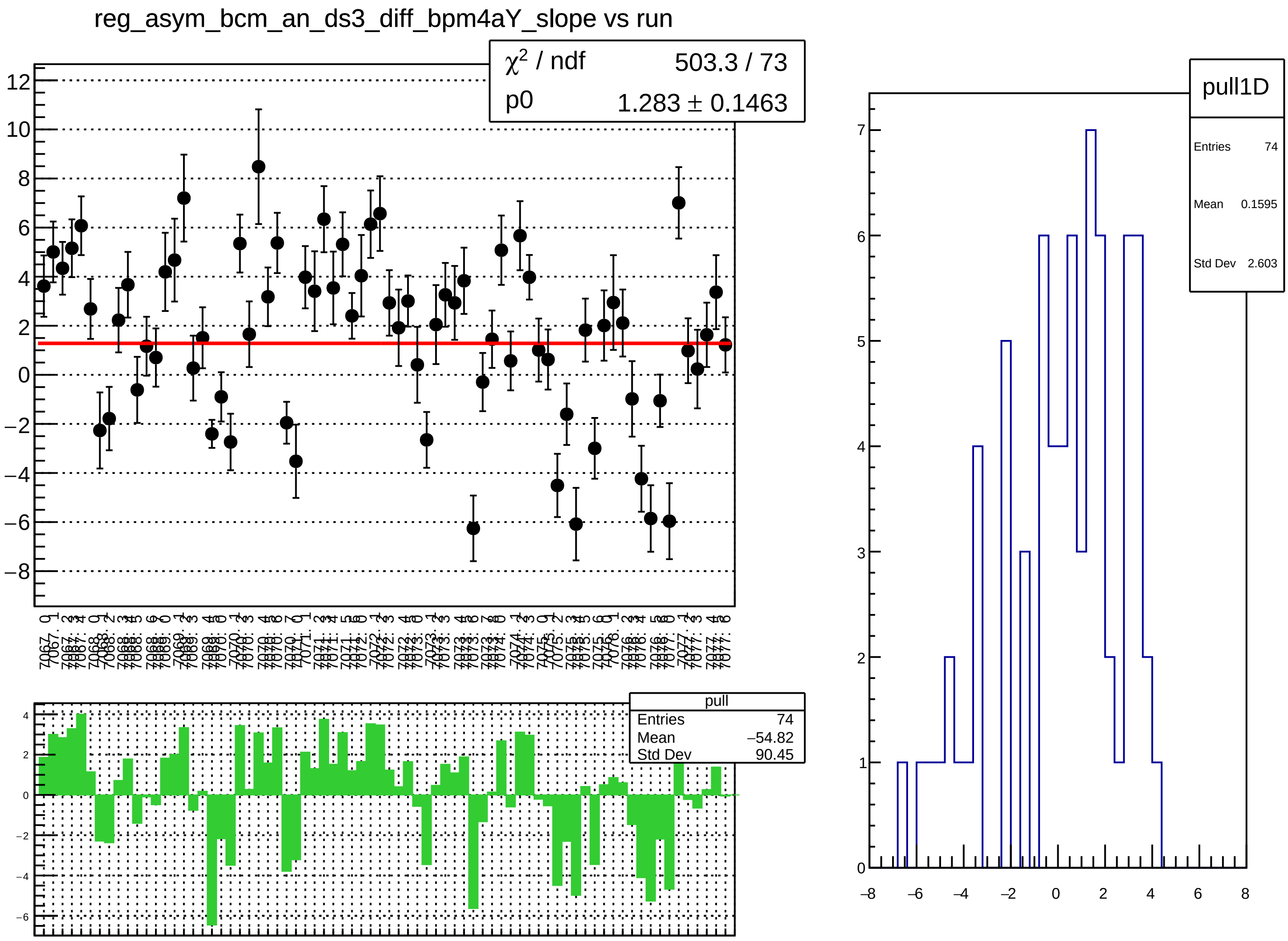
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 72.97 / 73
p0 4.14 ± 1.061
pull
Entries 74
Mean −4.83e+05
Std Dev 4.83e+05
pull1D
Entries 74
Mean −3.07e−06
Std Dev 0.993



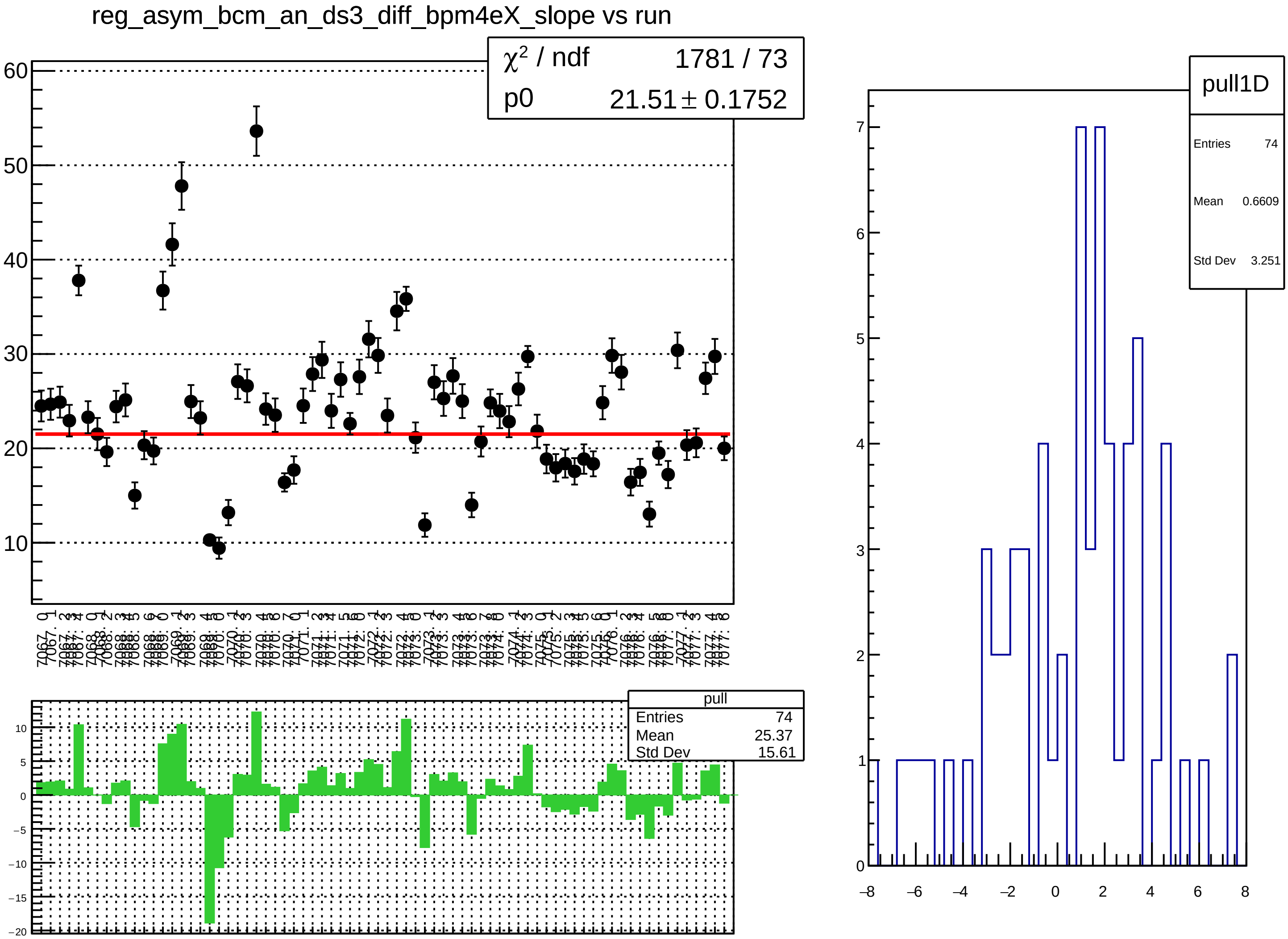
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ2 / ndf 56.8 / 73
p0 −9.537 ± 0.04831
pull
Entries 74
Mean −35.3
Std Dev 56.32
pull1D
Entries 74
Mean 0.02331
Std Dev 0.8758



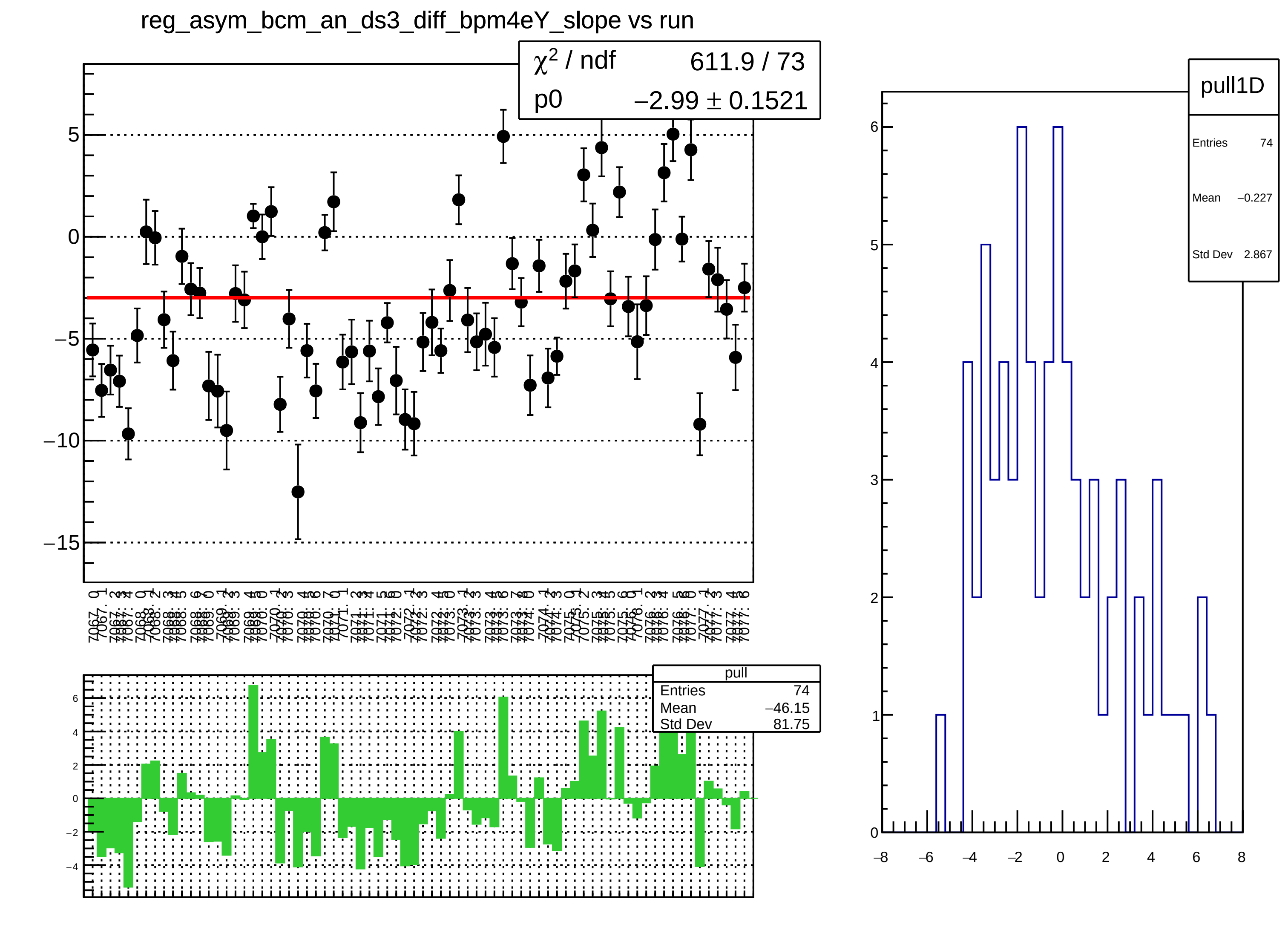
reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ2 / ndf 1797 / 73
p0 −23.08 ± 0.182
pull
Entries 74
Mean 26.98
Std Dev 16.78
pull1D
Entries 74
Mean −0.7711
Std Dev 3.1

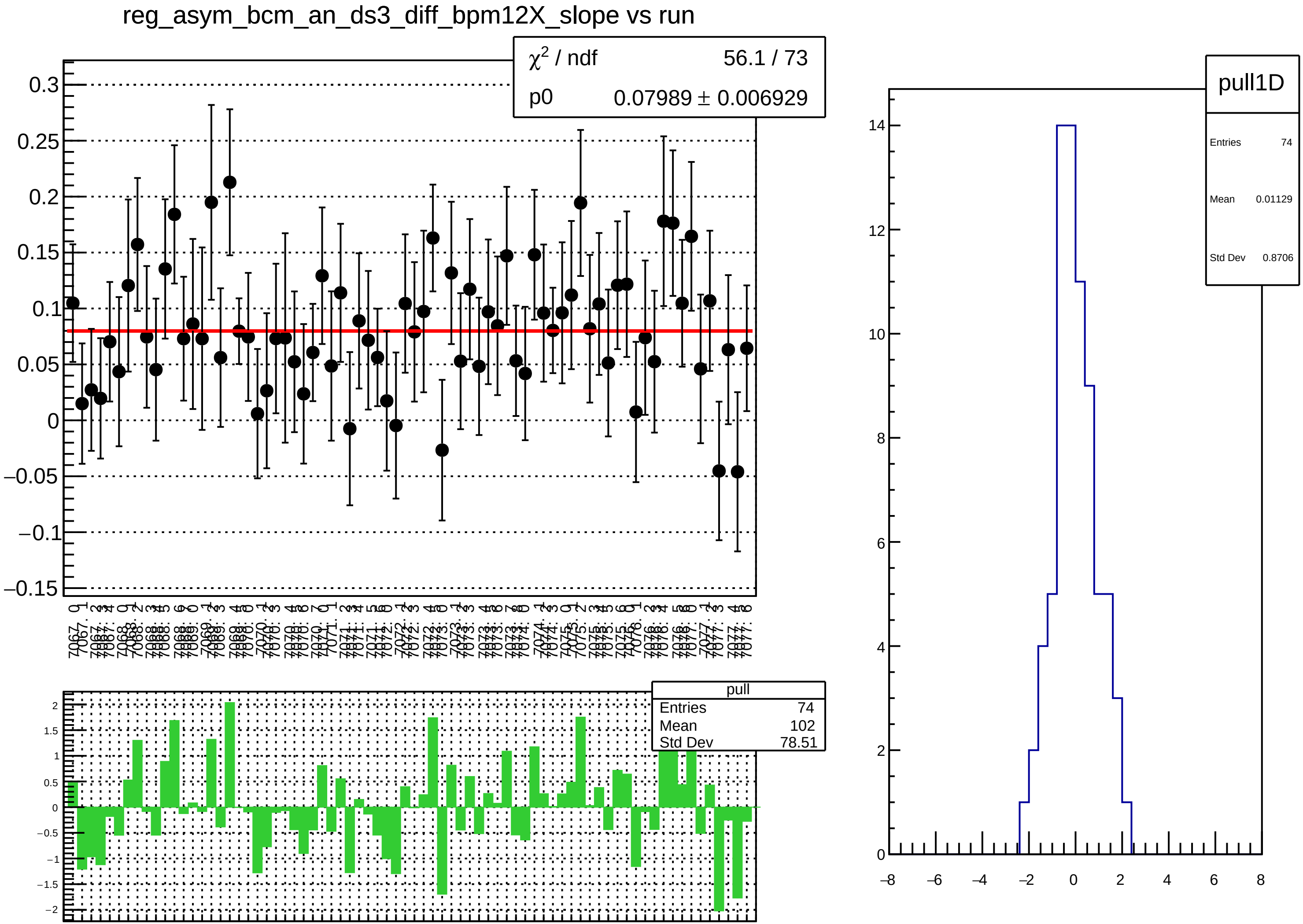


reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ2 / ndf 503.3 / 73
p0 1.283 ± 0.1463
pull
Entries 74
Mean −54.82
Std Dev 90.45
pull1D
Entries 74
Mean 0.1595
Std Dev 2.603

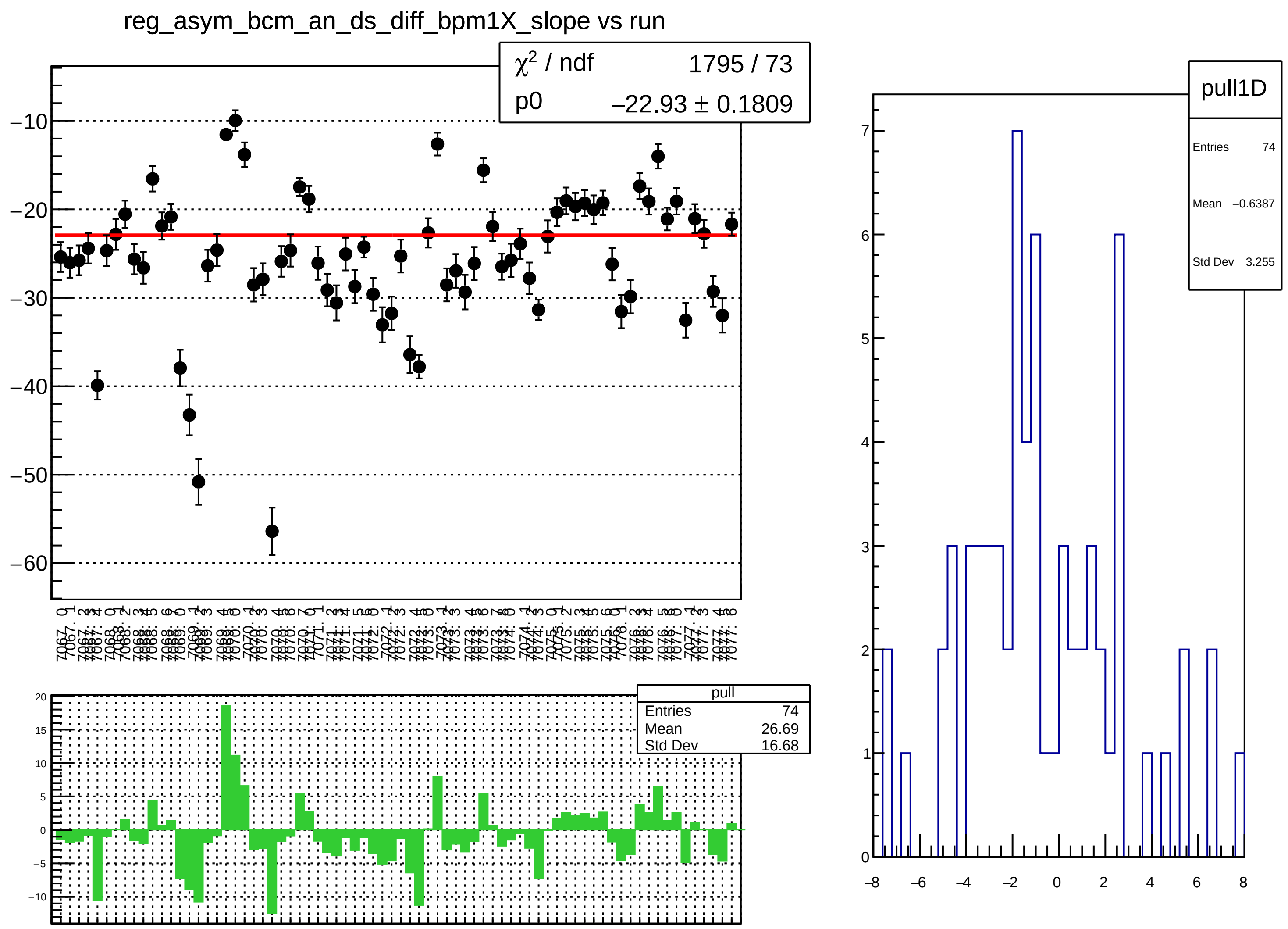


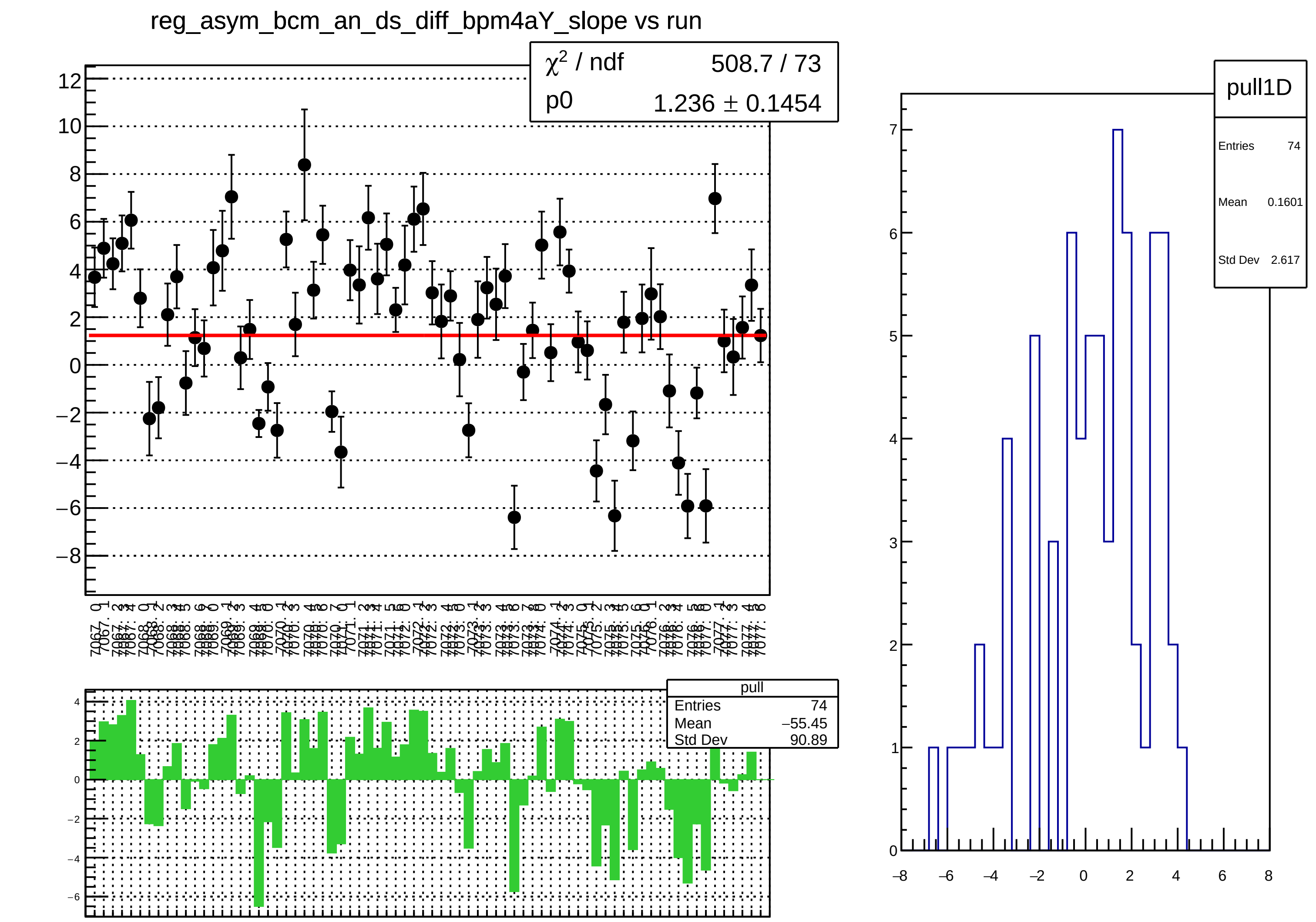
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ2 / ndf 1781 / 73
p0 21.51 ± 0.1752
pull
Entries 74
Mean 25.37
Std Dev 15.61
pull1D
Entries 74
Mean 0.6609
Std Dev 3.251


reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 611.9 / 73
p0 −2.99 ± 0.1521
pull
Entries 74
Mean −46.15
Std Dev 81.75
pull1D
Entries 74
Mean −0.227
Std Dev 2.867

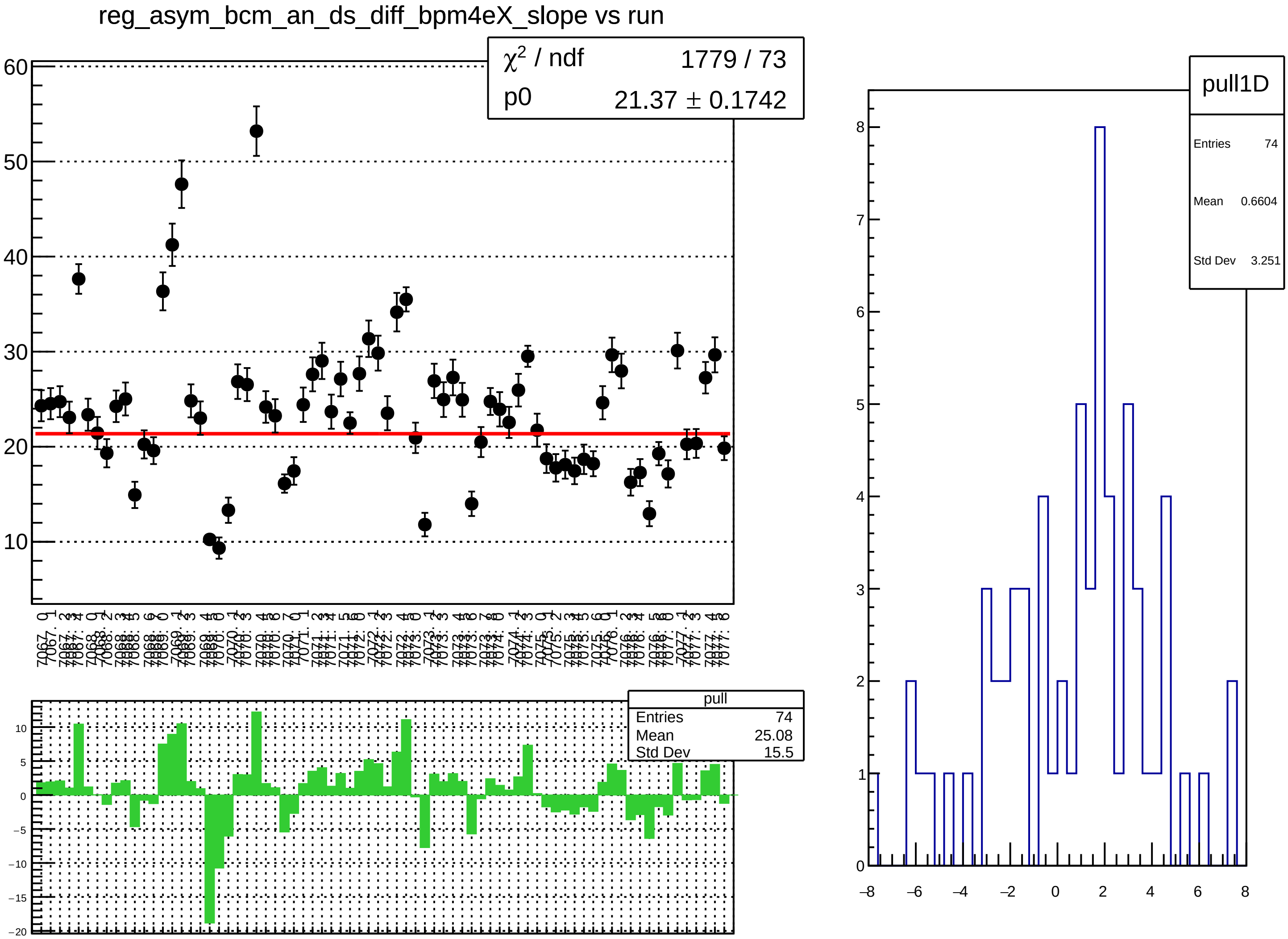


reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ^2 / ndf 56.1 / 73
p0 0.07989 ± 0.006929
pull
Entries 74
Mean 102
Std Dev 78.51
pull1D
Entries 74
Mean 0.01129
Std Dev 0.8706

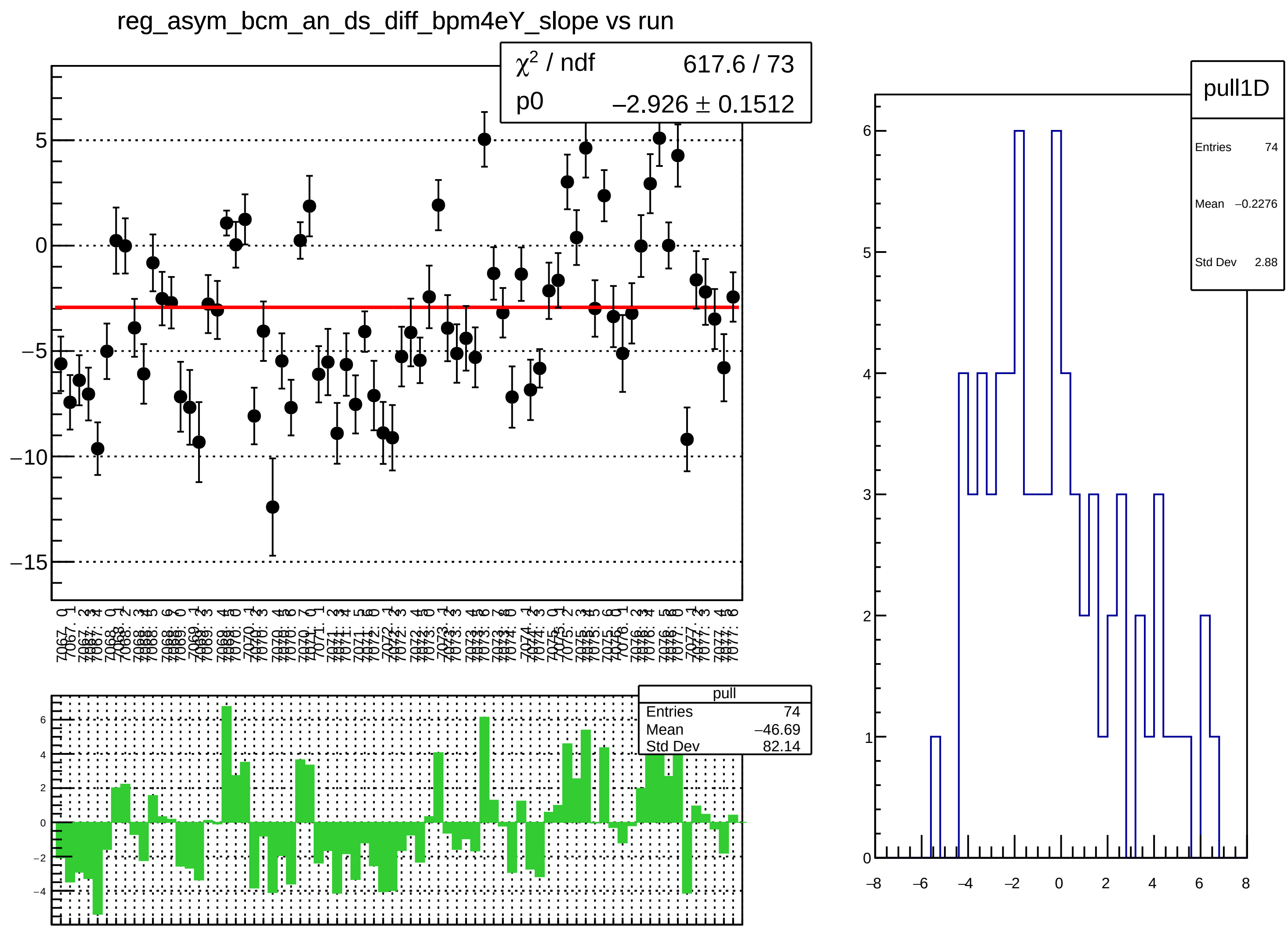

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 1795 / 73
p0 −22.93 ± 0.1809
pull
Entries 74
Mean 26.69
Std Dev 16.68
pull1D
Entries 74
Mean −0.6387
Std Dev 3.255



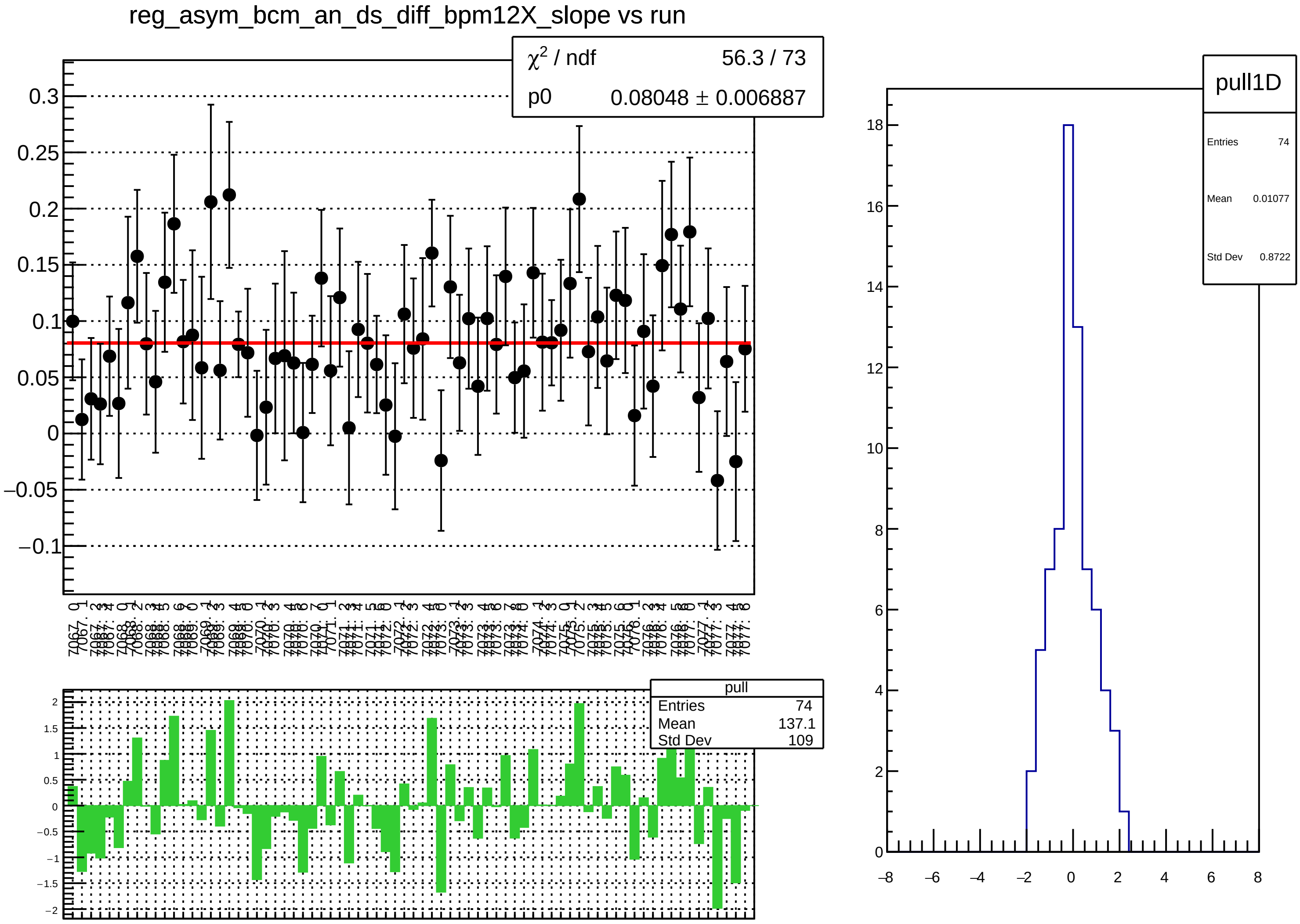
reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 508.7 / 73
p0 1.236 ± 0.1454
pull
Entries 74
Mean −55.45
Std Dev 90.89
pull1D
Entries 74
Mean 0.1601
Std Dev 2.617



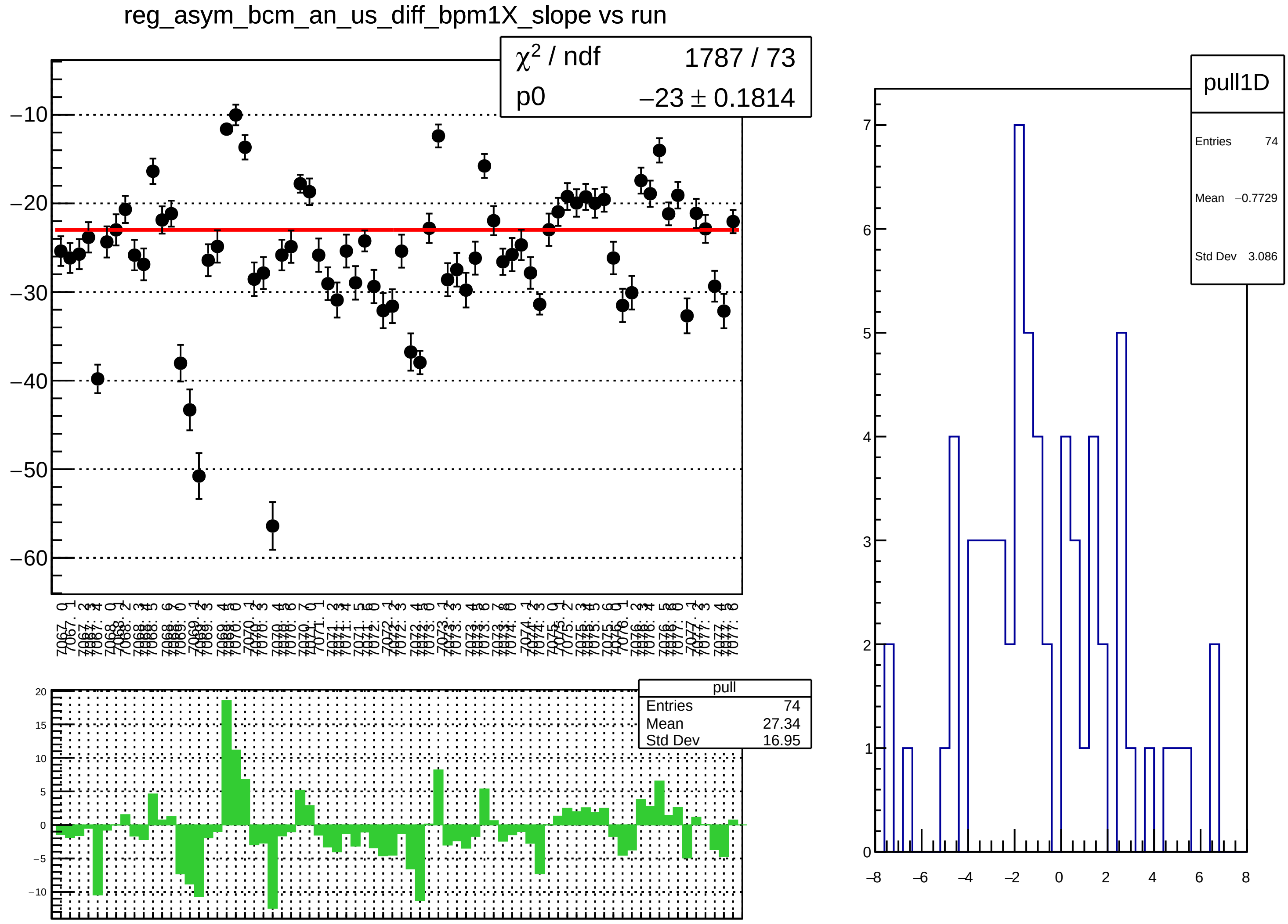
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 1779 / 73
p0 21.37 ± 0.1742
pull
Entries 74
Mean 25.08
Std Dev 15.5
pull1D
Entries 74
Mean 0.6604
Std Dev 3.251

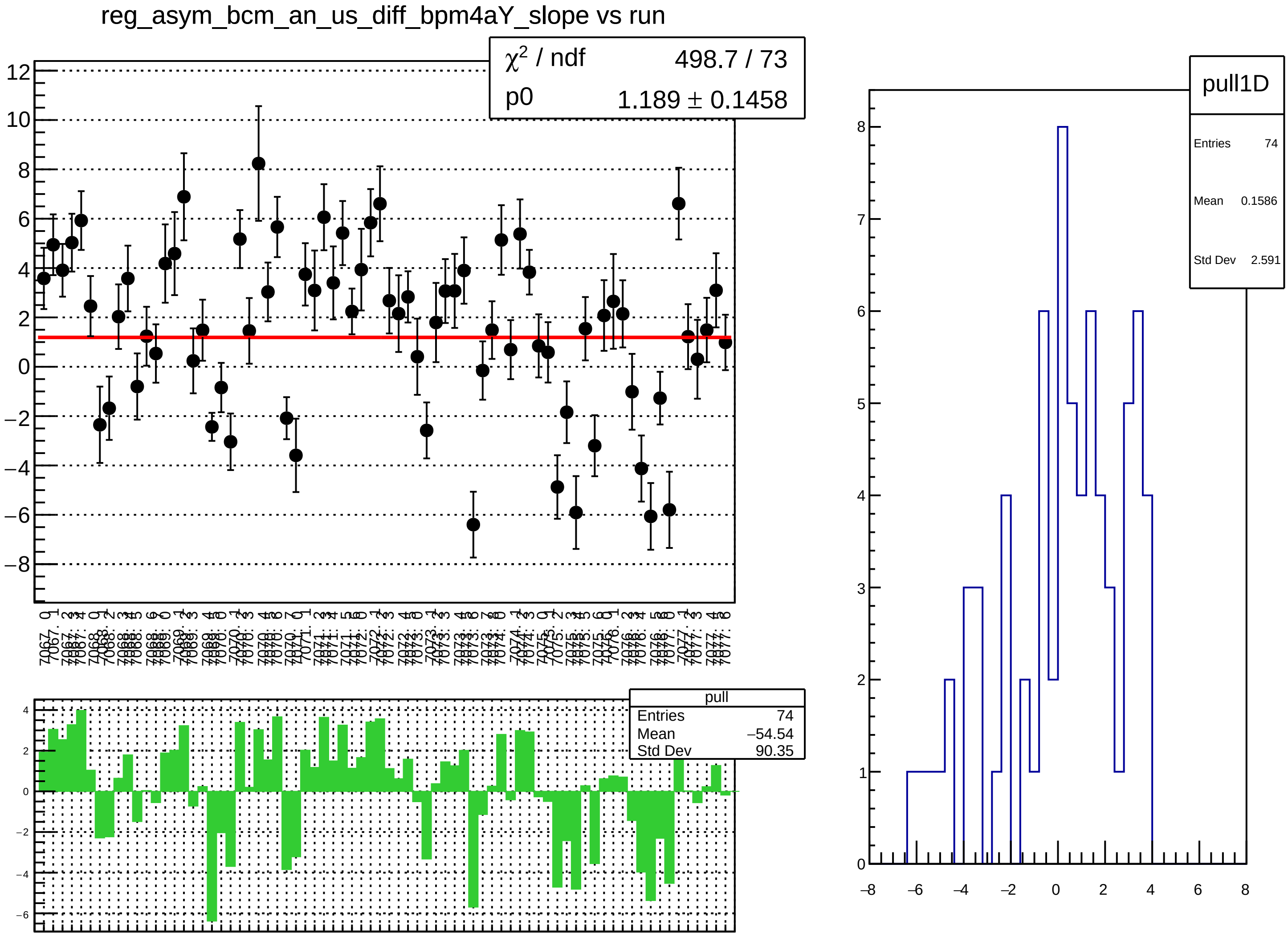


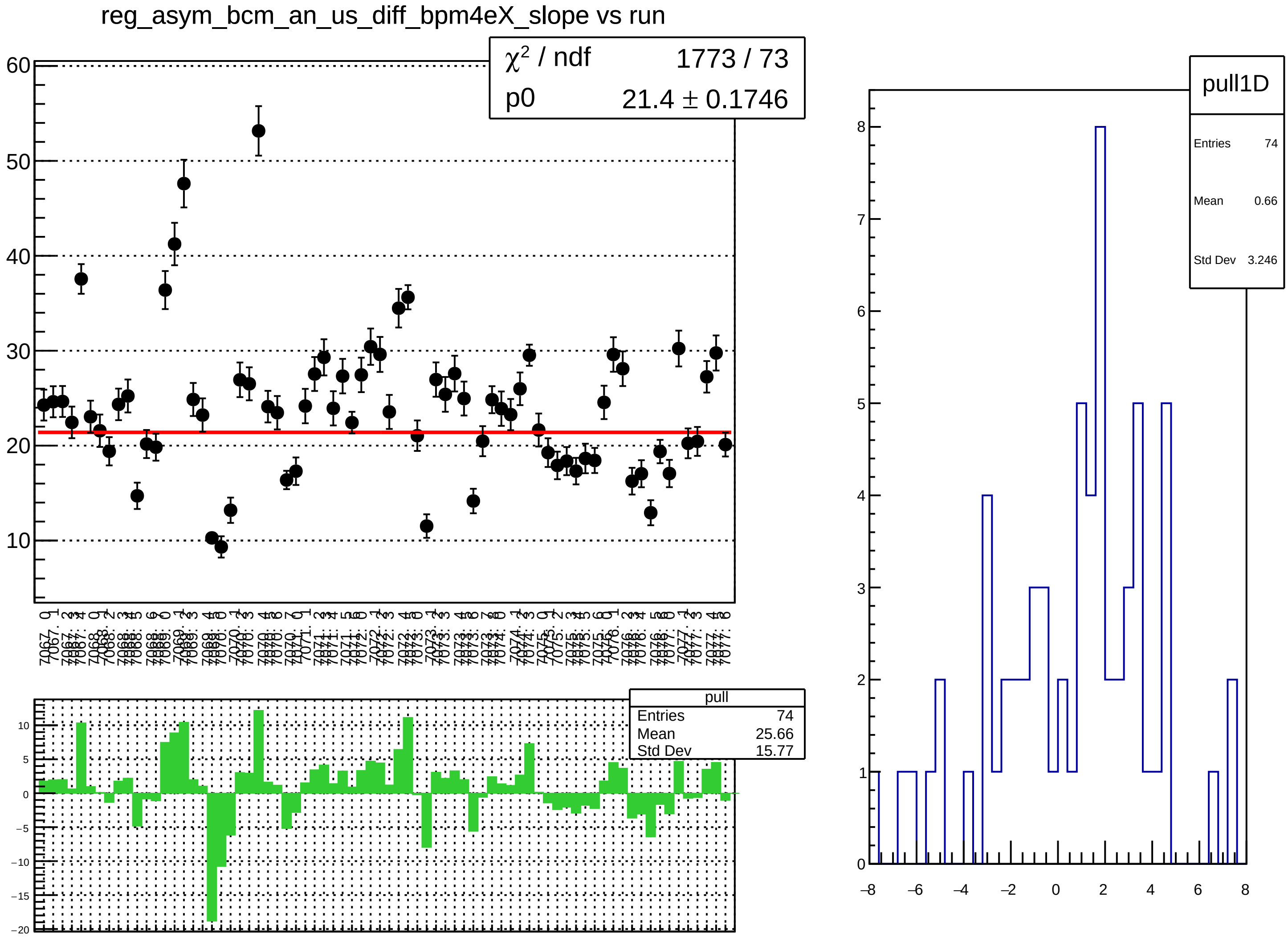
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 617.6 / 73
p0 −2.926 ± 0.1512
pull
Entries 74
Mean −46.69
Std Dev 82.14
pull1D
Entries 74
Mean −0.2276
Std Dev 2.88



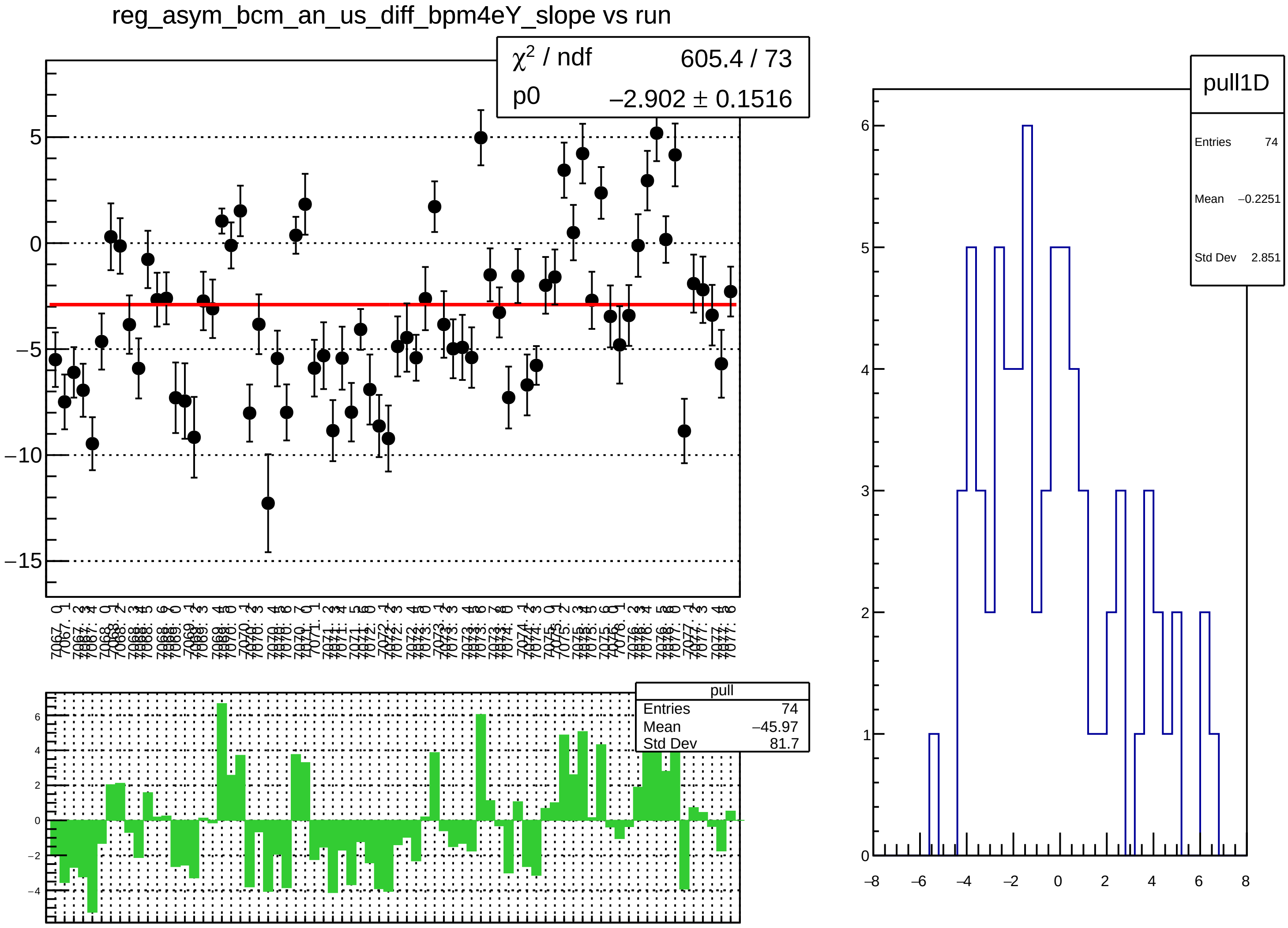
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ^2 / ndf 56.3 / 73
p0 0.08048 ± 0.006887
pull
Entries 74
Mean 137.1
Std Dev 109
pull1D
Entries 74
Mean 0.01077
Std Dev 0.8722

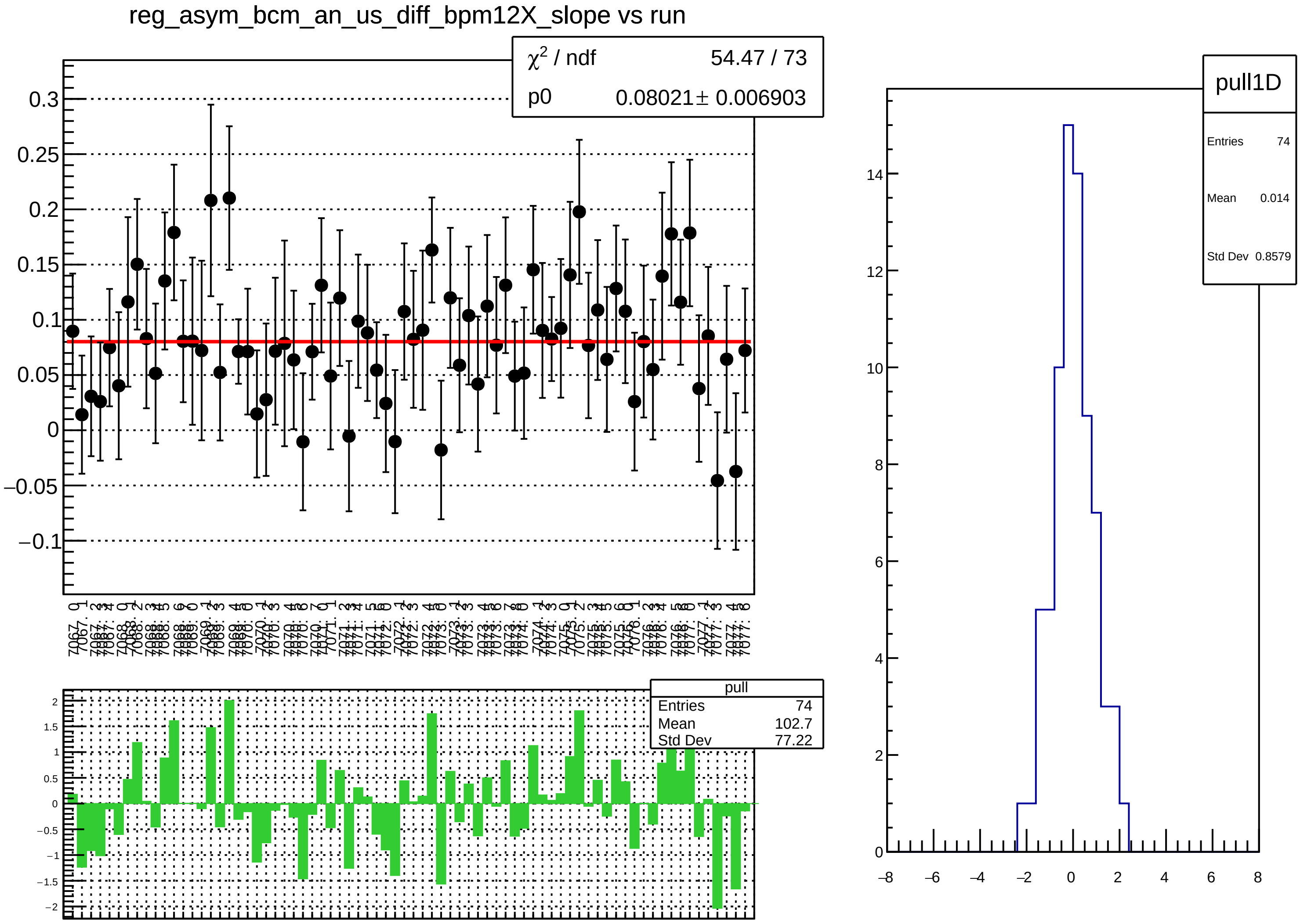

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ2 / ndf 1787 / 73
p0 −23 ± 0.1814
−10
−20
−30
−40
−50
−60
pull
Entries 74
Mean 27.34
Std Dev 16.95
20
15
10
5
0
−5
−10
pull1D
Entries 74
Mean −0.7729
Std Dev 3.086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / ndf 498.7 / 73
p0 1.189 ± 0.1458
pull
Entries 74
Mean −54.54
Std Dev 90.35
pull1D
Entries 74
Mean 0.1586
Std Dev 2.591

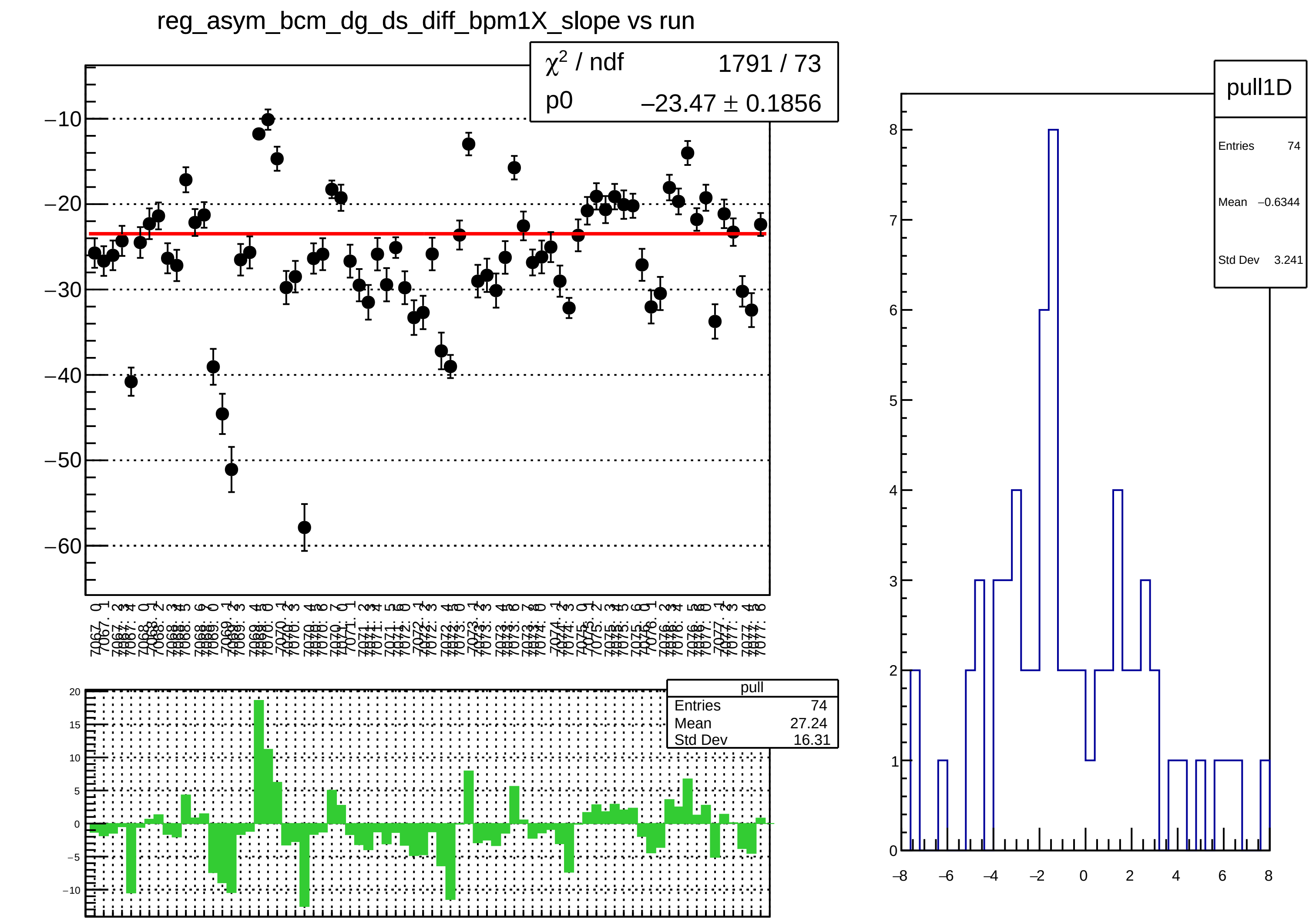


reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 1773 / 73
p0 21.4 ± 0.1746
pull
Entries 74
Mean 25.66
Std Dev 15.77
pull1D
Entries 74
Mean 0.66
Std Dev 3.246

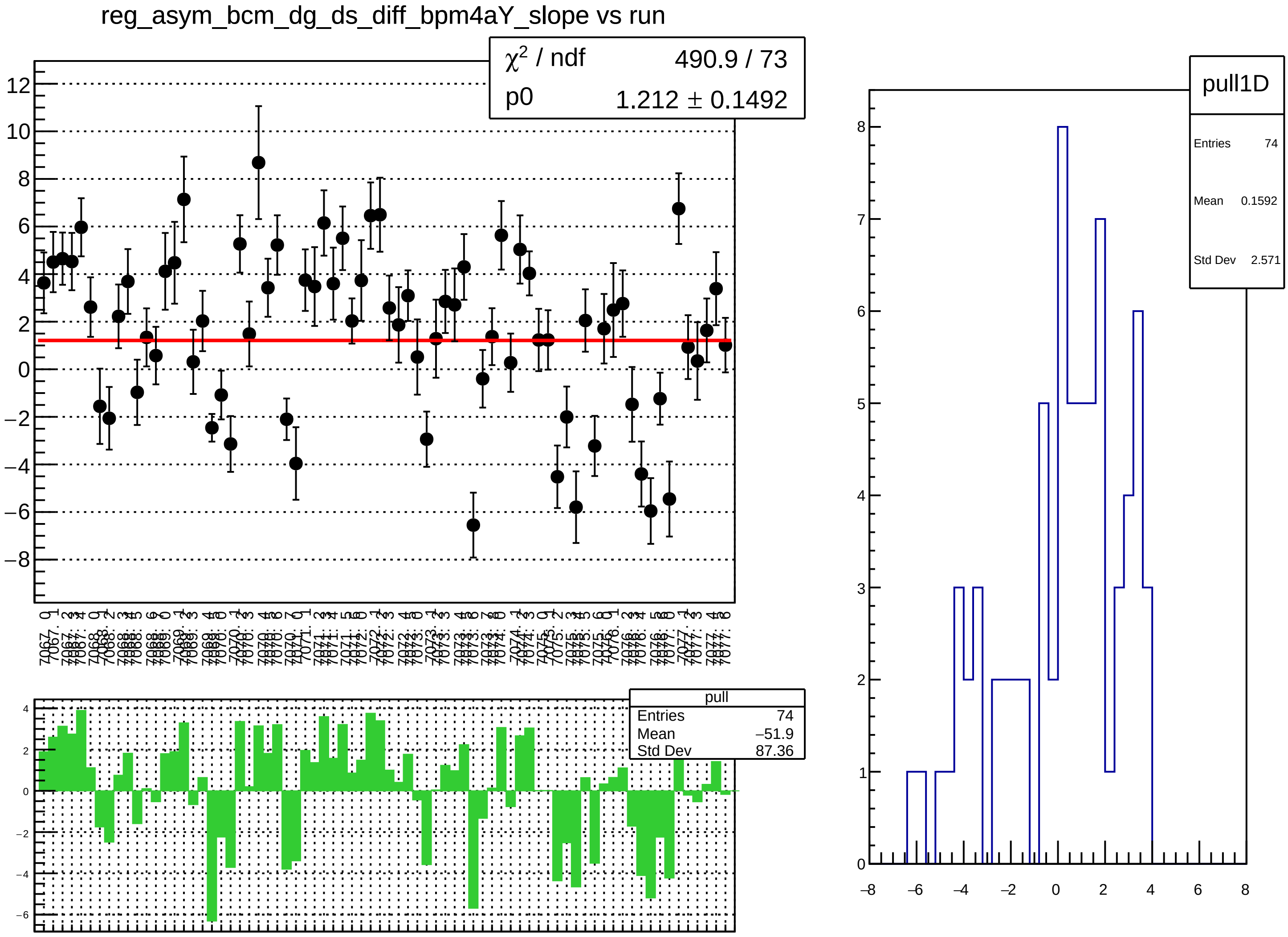

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 605.4 / 73
p0 −2.902 ± 0.1516
pull
Entries 74
Mean −45.97
Std Dev 81.7
pull1D
Entries 74
Mean −0.2251
Std Dev 2.851



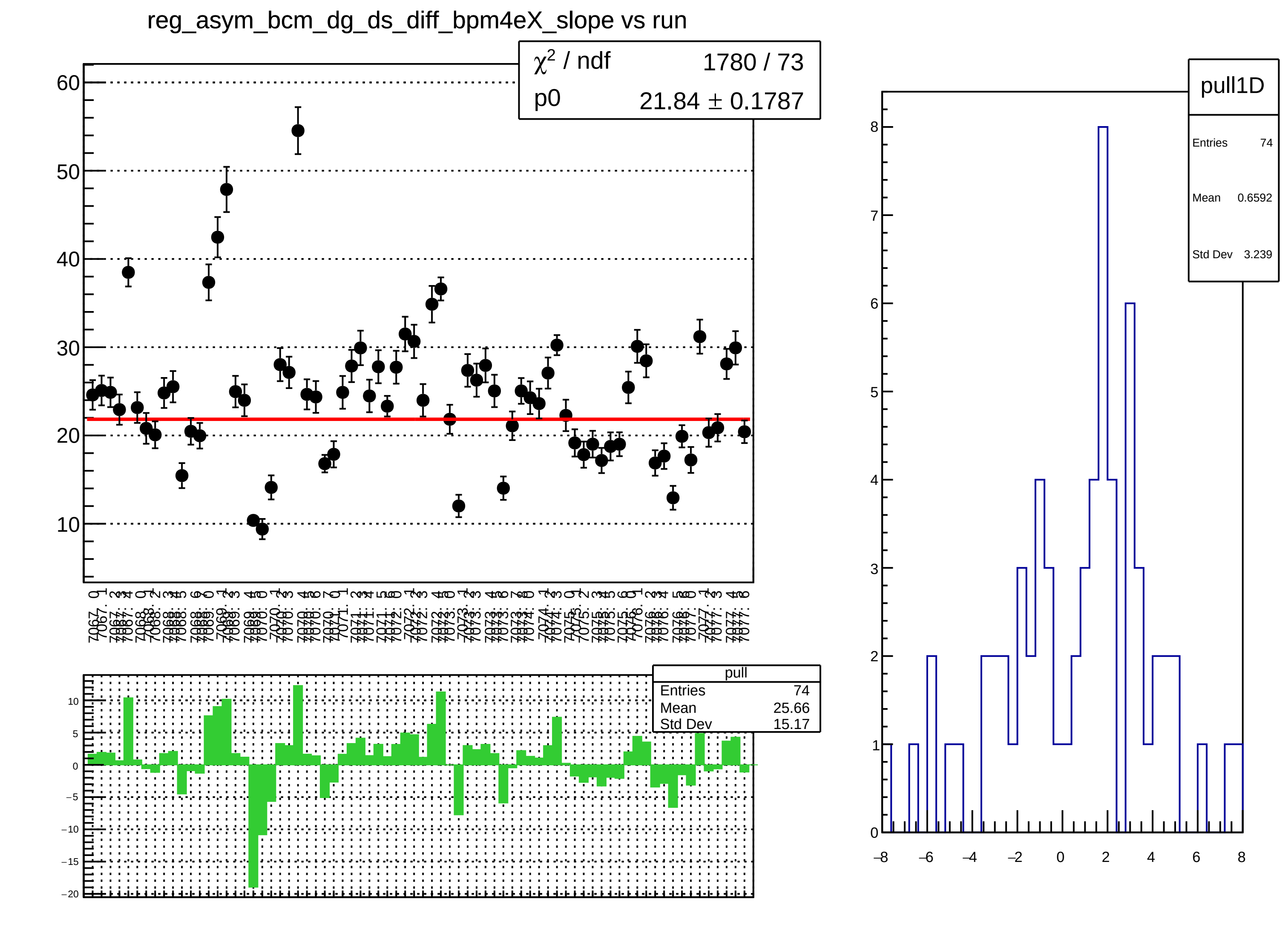
reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 54.47 / 73
p0 0.08021 ± 0.006903
pull
Entries 74
Mean 102.7
Std Dev 77.22
pull1D
Entries 74
Mean 0.014
Std Dev 0.8579



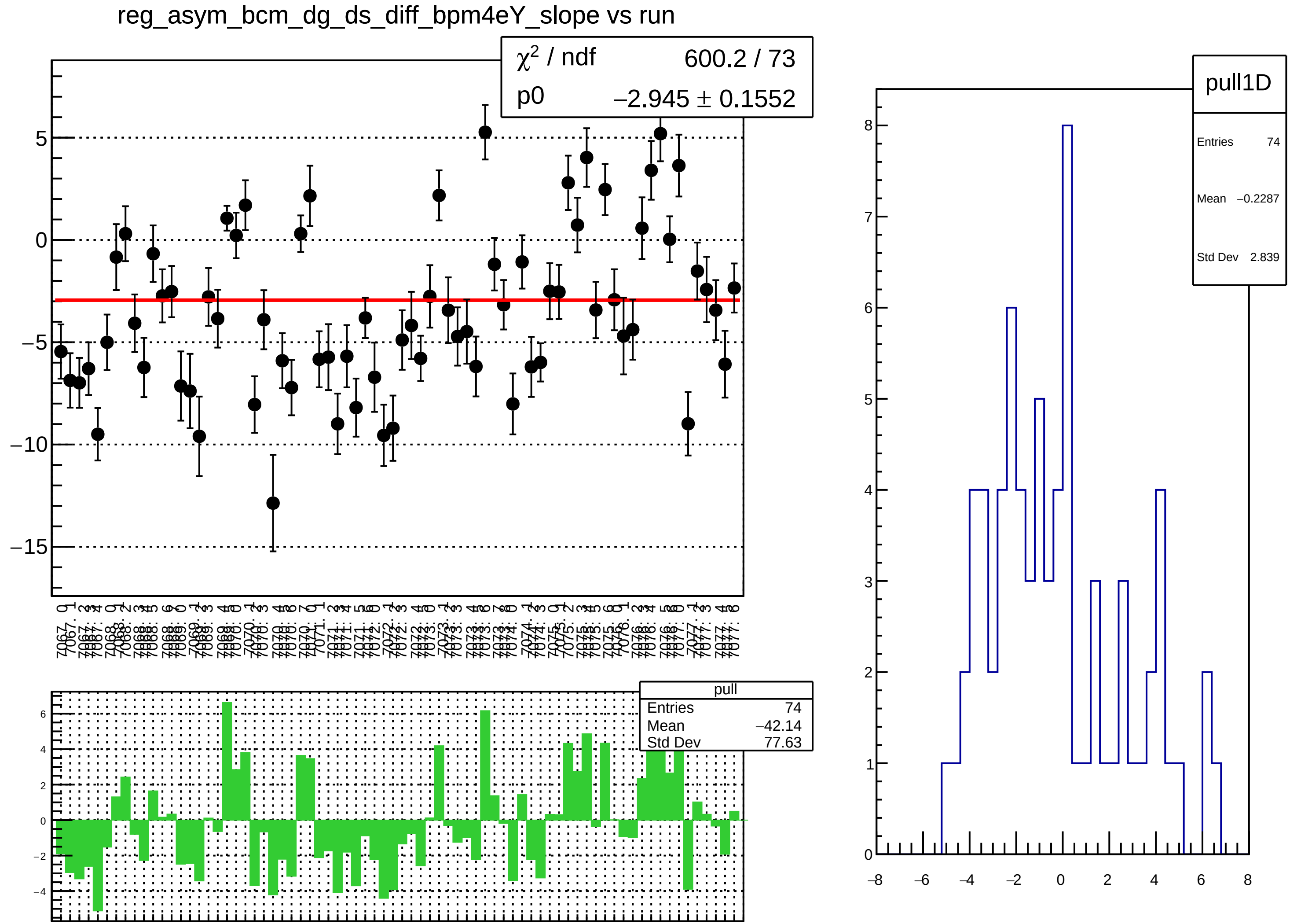
reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 1791 / 73
p0 −23.47 ± 0.1856
pull
Entries 74
Mean 27.24
Std Dev 16.31
pull1D
Entries 74
Mean −0.6344
Std Dev 3.241



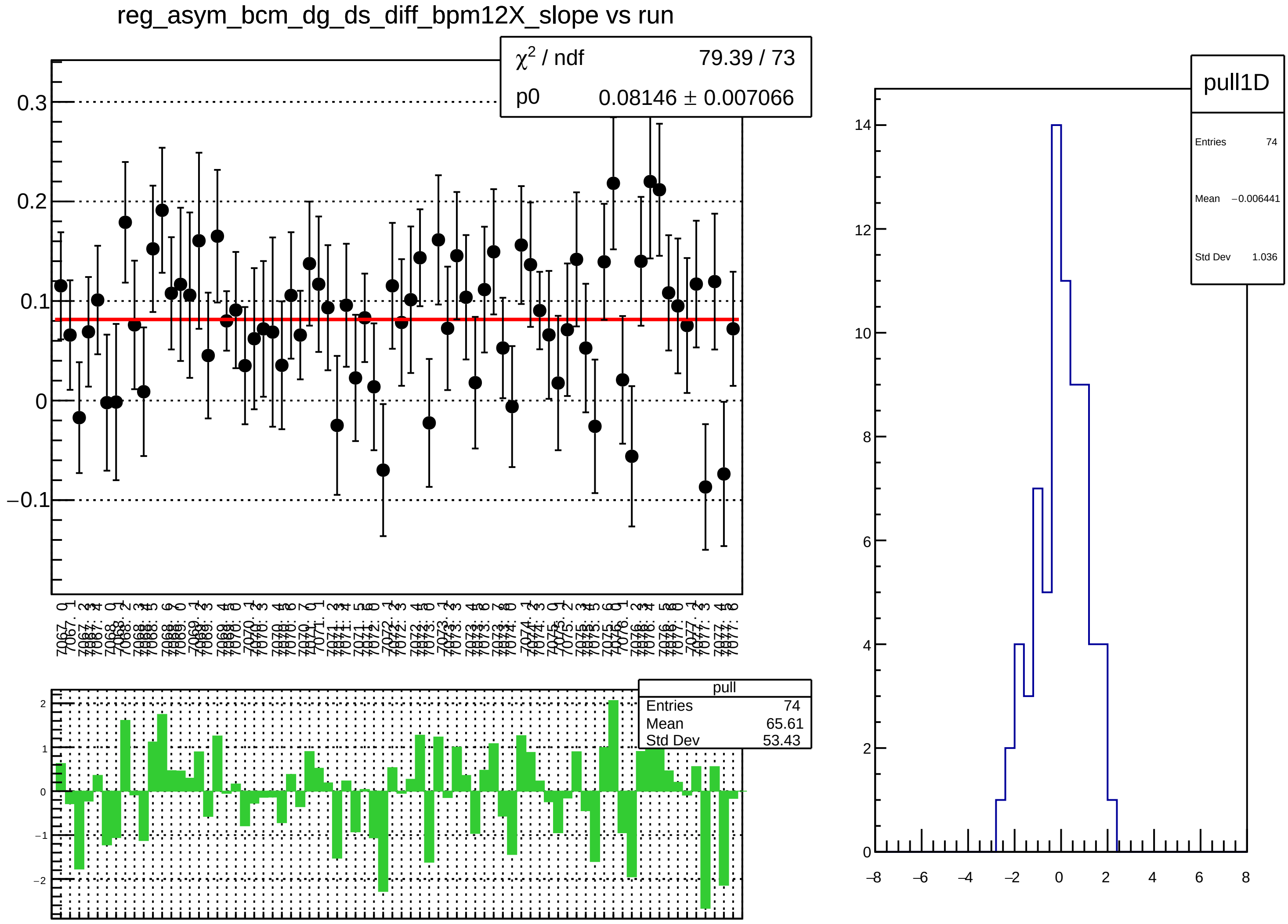
reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ2 / ndf 490.9 / 73
p0 1.212 ± 0.1492
pull
Entries 74
Mean −51.9
Std Dev 87.36
pull1D
Entries 74
Mean 0.1592
Std Dev 2.571



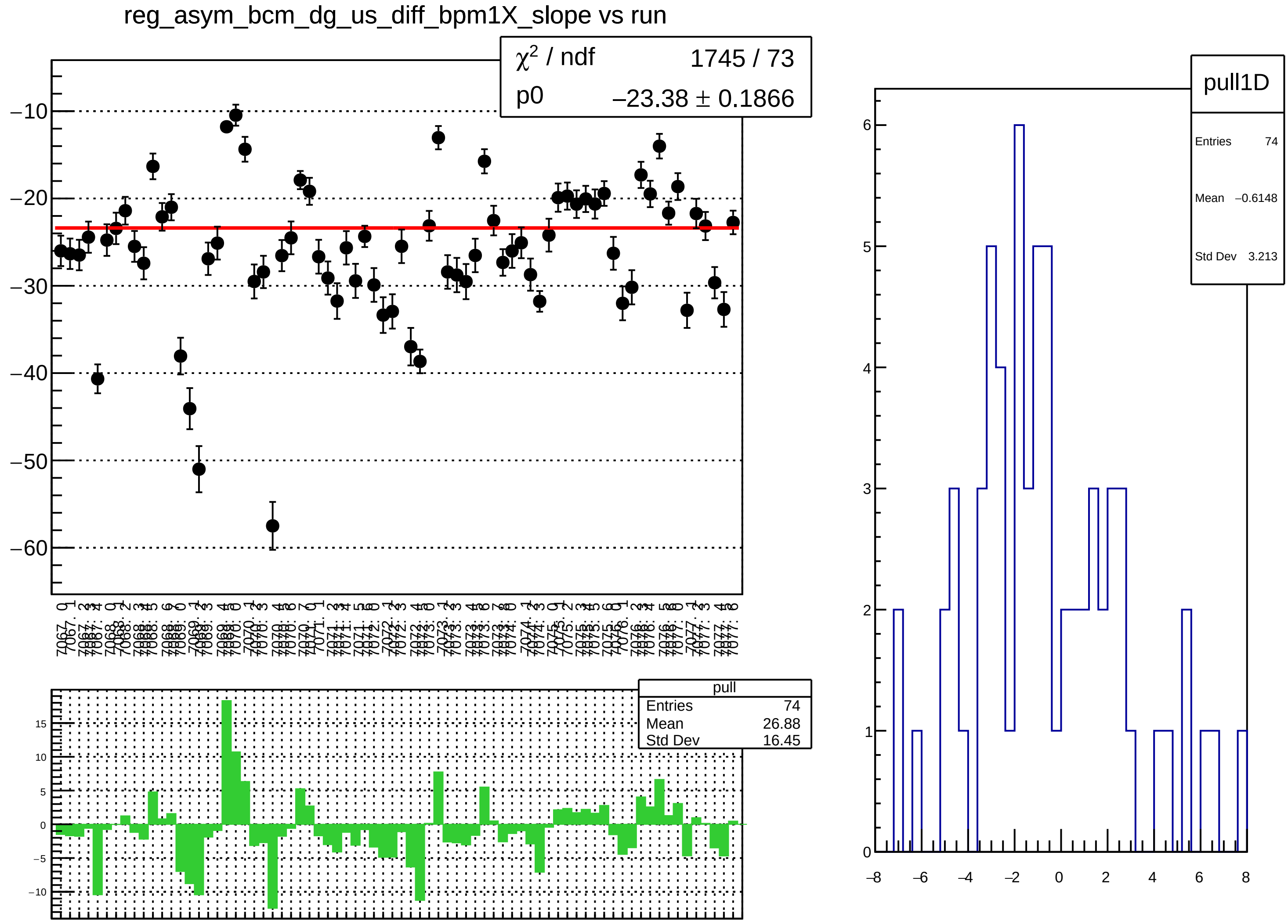
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ2 / ndf 1780 / 73
p0 21.84 ± 0.1787
pull
Entries 74
Mean 25.66
Std Dev 15.17
pull1D
Entries 74
Mean 0.6592
Std Dev 3.239



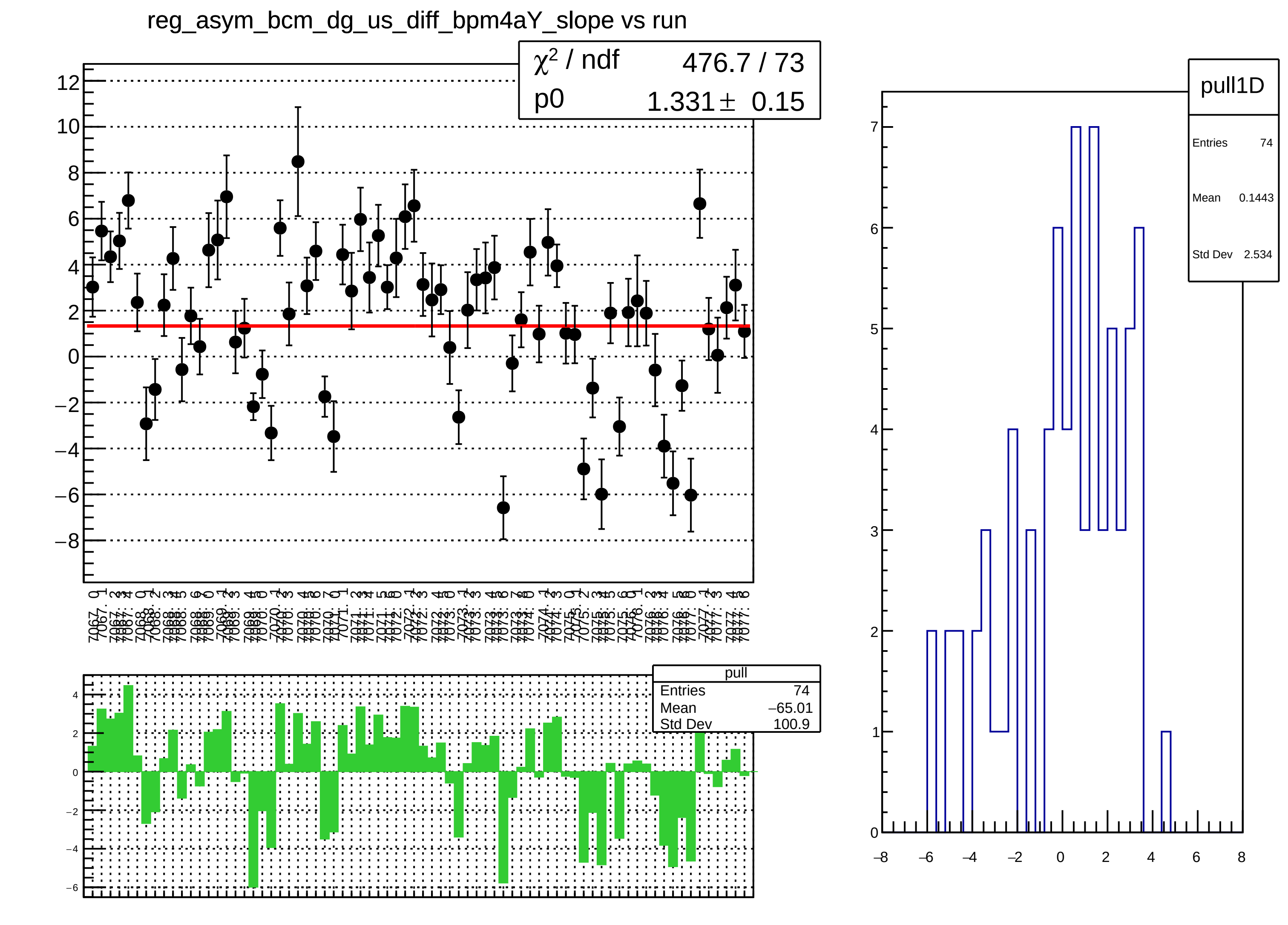
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 600.2 / 73
p0 −2.945 ± 0.1552
5
0
−5
−10
−15
pull
Entries 74
Mean −42.14
Std Dev 77.63
6
4
2
0
−2
−4
pull1D
Entries 74
Mean −0.2287
Std Dev 2.839
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

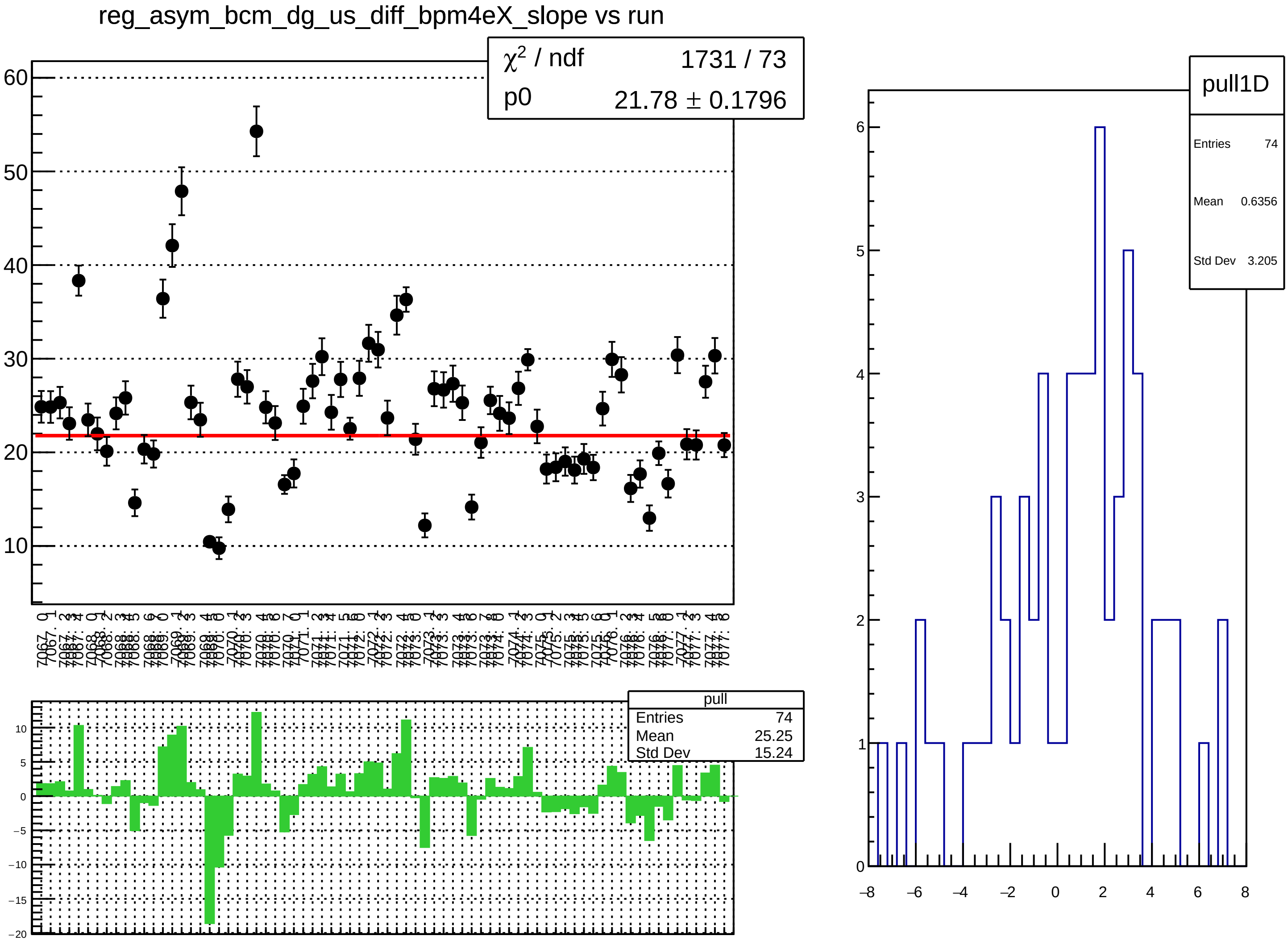


reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ2 / ndf 79.39 / 73
p0 0.08146 ± 0.007066
pull
Entries 74
Mean 65.61
Std Dev 53.43
pull1D
Entries 74
Mean −0.006441
Std Dev 1.036

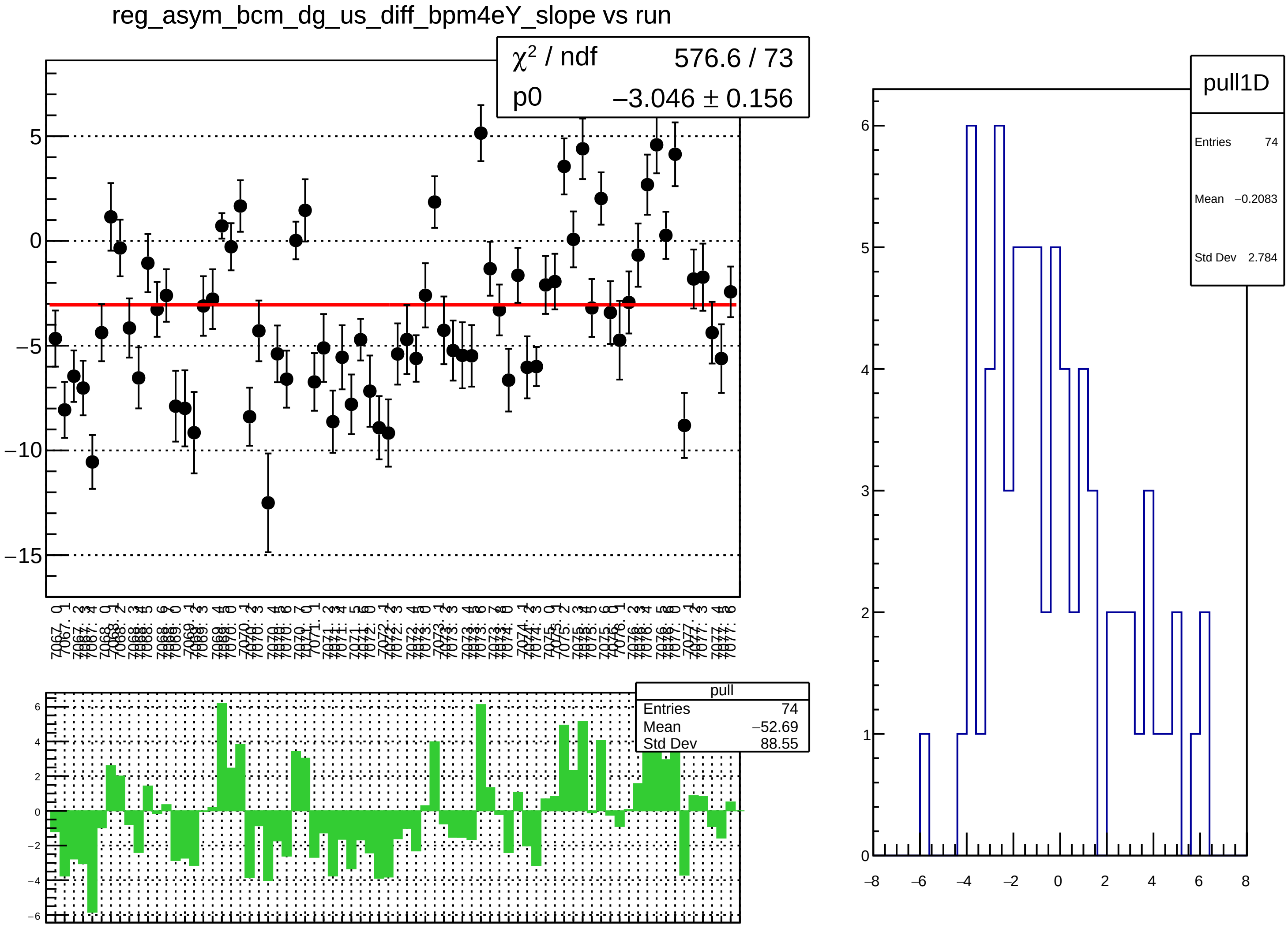


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 1745 / 73
p0 −23.38 ± 0.1866
pull
Entries 74
Mean 26.88
Std Dev 16.45
pull1D
Entries 74
Mean −0.6148
Std Dev 3.213

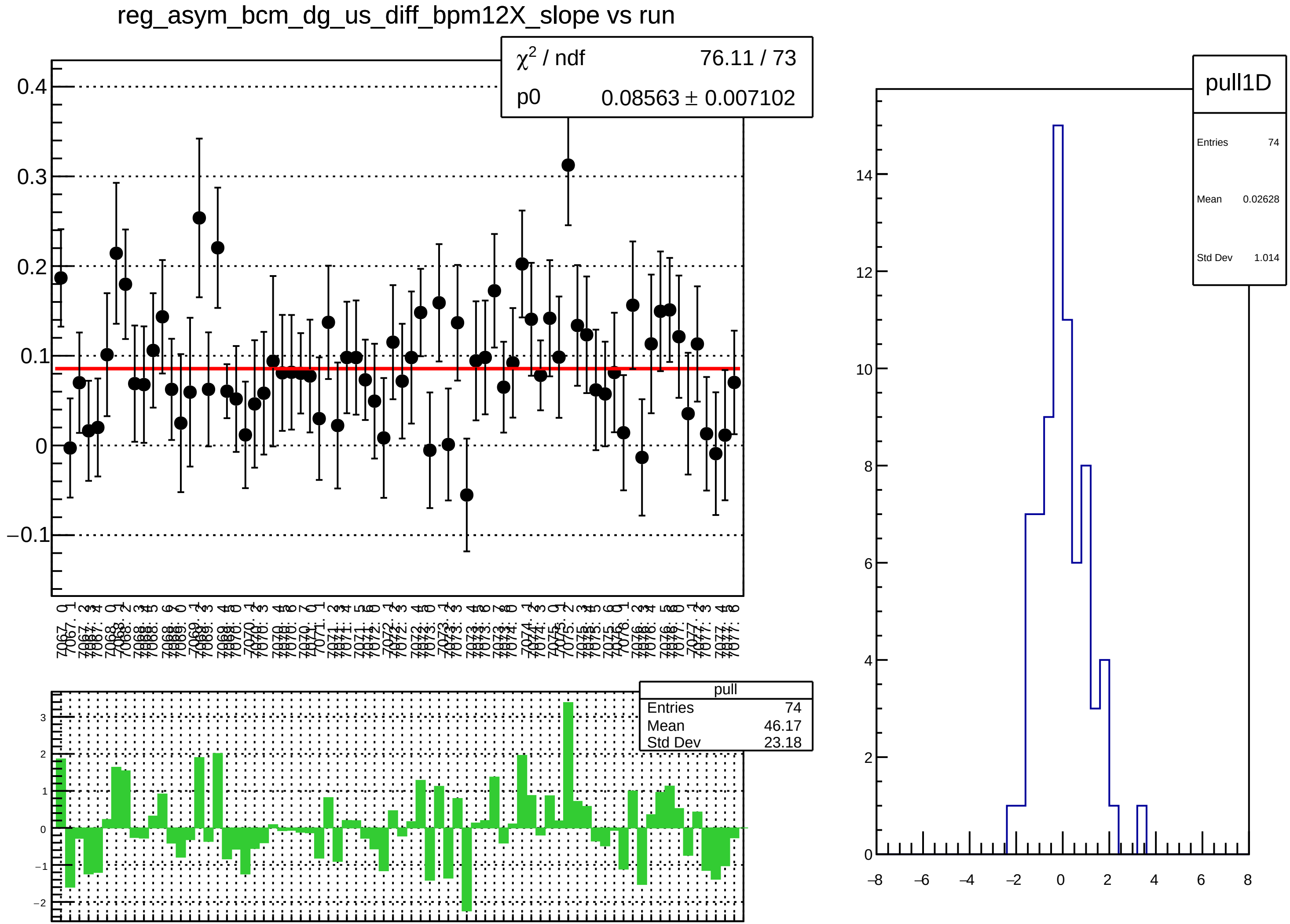

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 476.7 / 73
p0 1.331 ± 0.15
pull
Entries 74
Mean −65.01
Std Dev 100.9
pull1D
Entries 74
Mean 0.1443
Std Dev 2.534



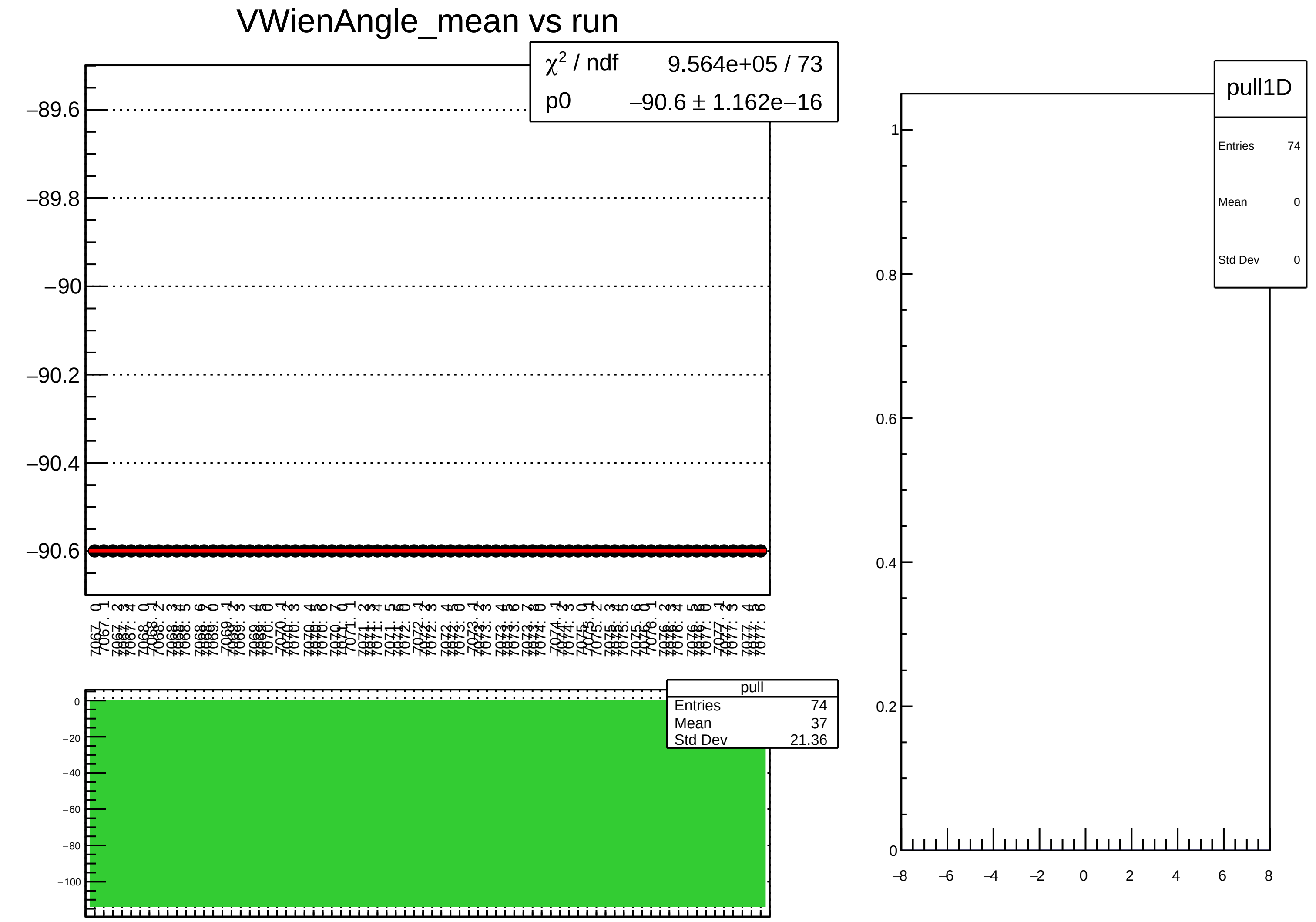
reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 1731 / 73
p0 21.78 ± 0.1796
pull
Entries 74
Mean 25.25
Std Dev 15.24
pull1D
Entries 74
Mean 0.6356
Std Dev 3.205



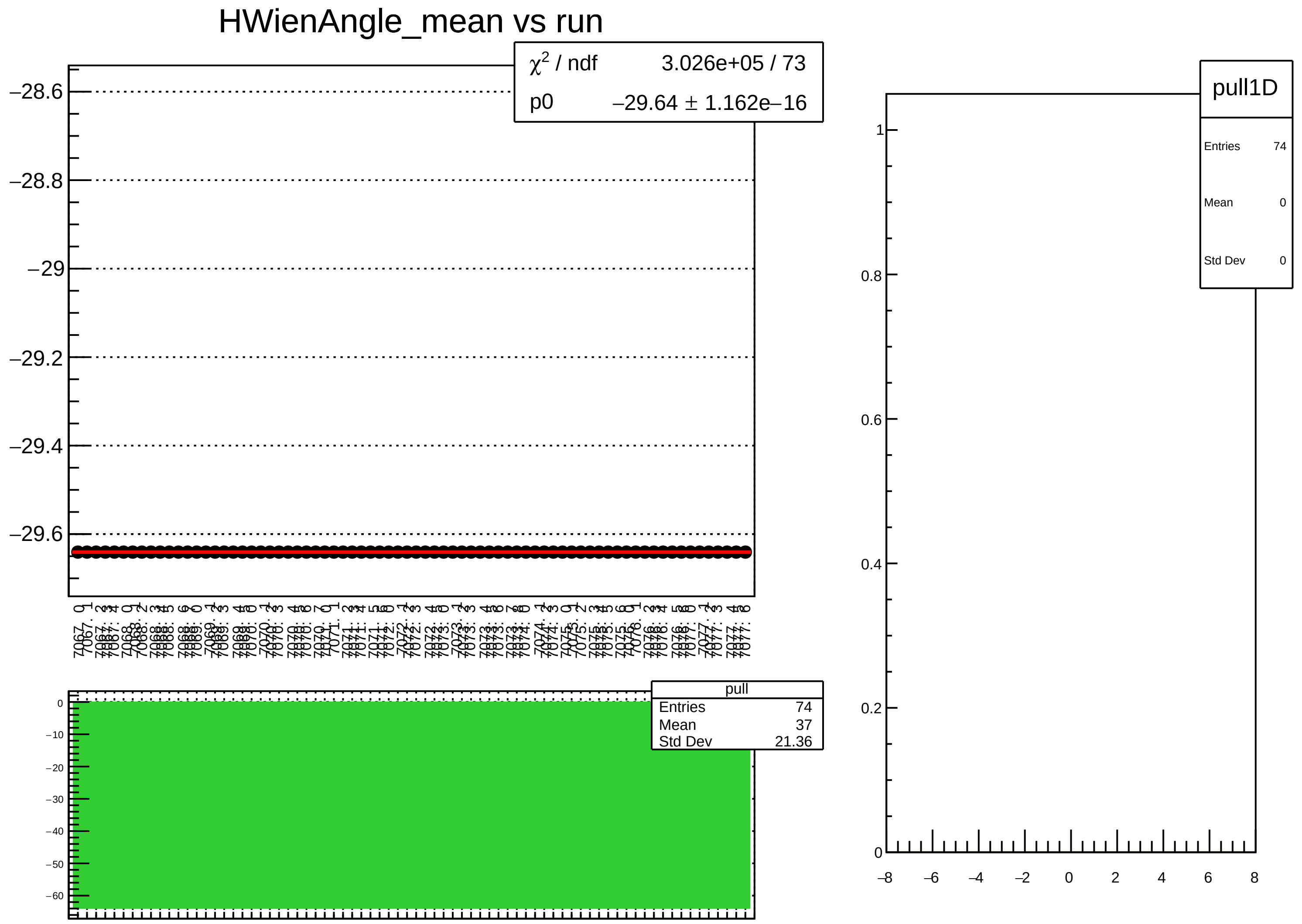
reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ^2 / ndf 576.6 / 73
p0 −3.046 ± 0.156
pull
Entries 74
Mean −52.69
Std Dev 88.55
pull1D
Entries 74
Mean −0.2083
Std Dev 2.784



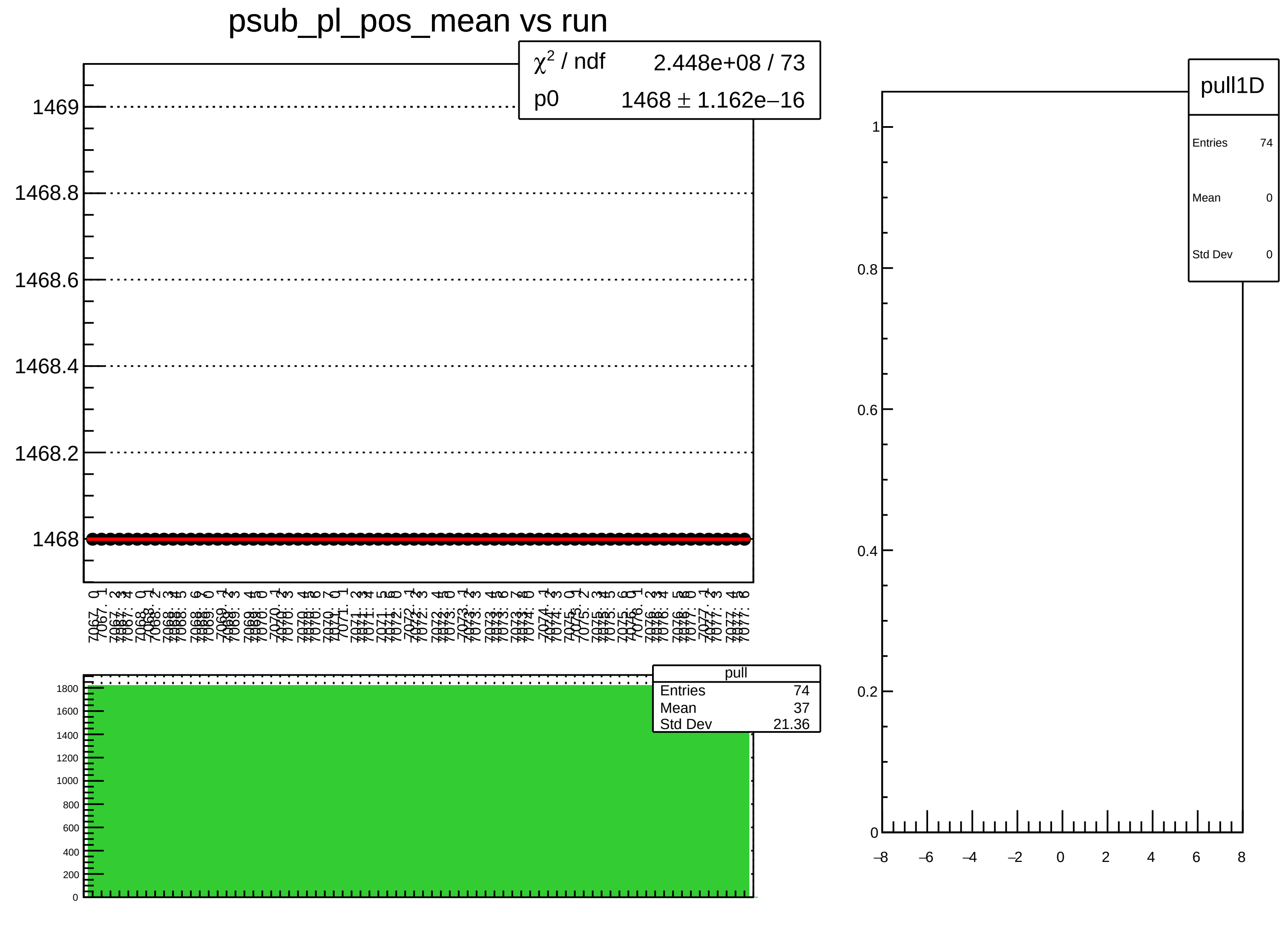
reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ^2 / ndf 76.11 / 73
p0 0.08563 ± 0.007102
pull
Entries 74
Mean 46.17
Std Dev 23.18
pull1D
Entries 74
Mean 0.02628
Std Dev 1.014



VWienAngle_mean vs run
χ^2 / ndf 9.564e+05 / 73
p0 −90.6 ± 1.162e−16
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean 0
Std Dev 0

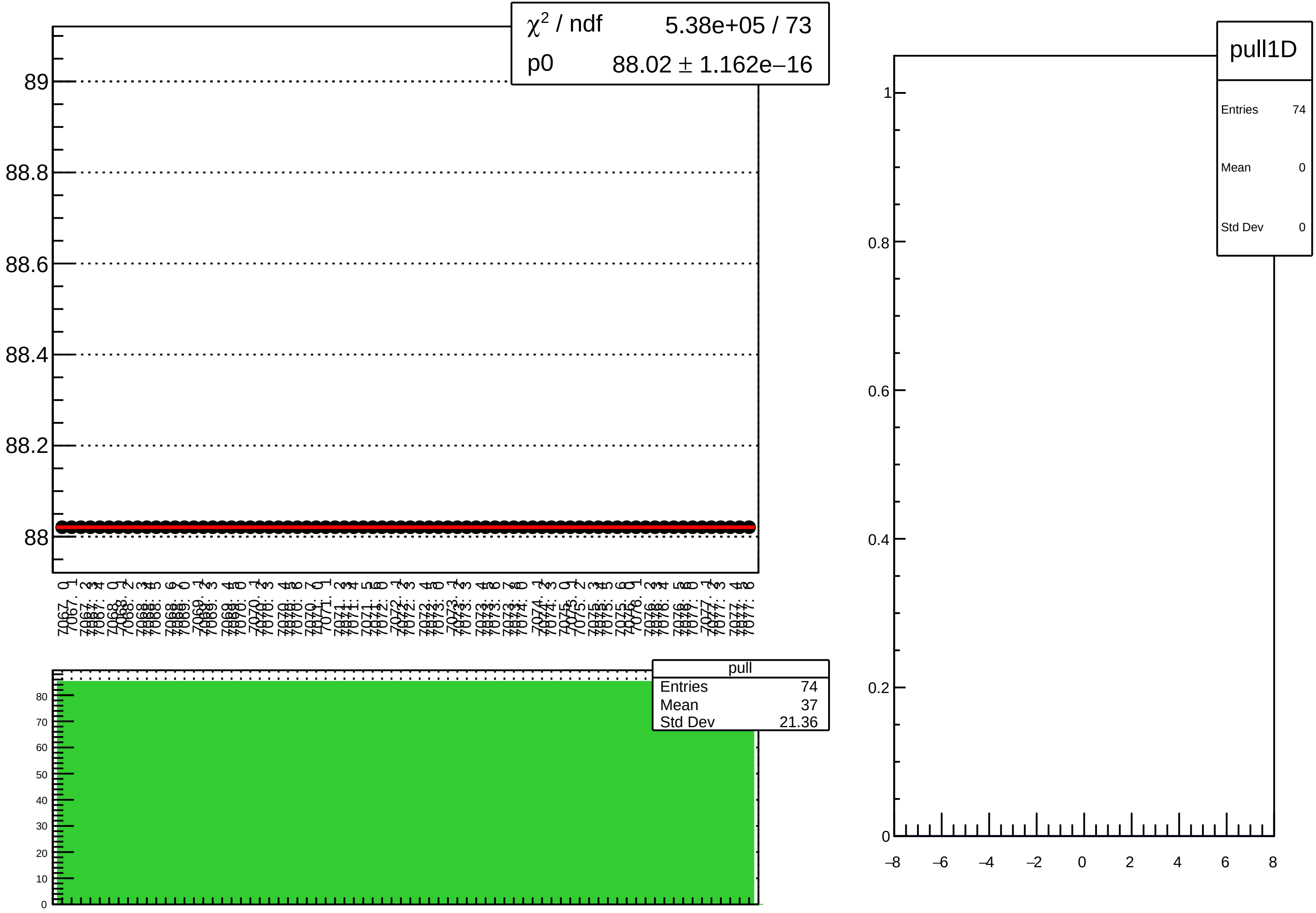


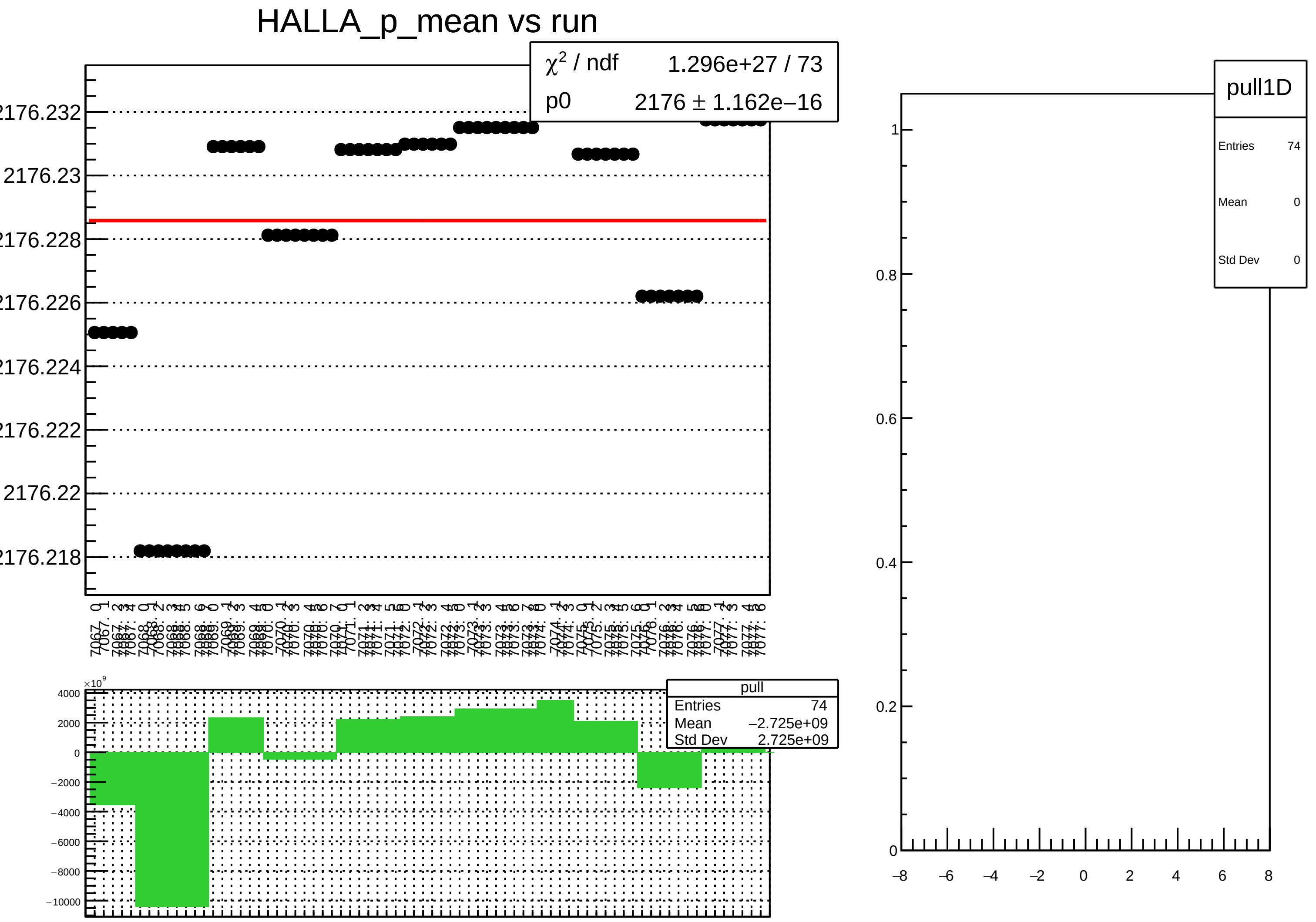
HWienAngle_mean vs run
χ² / ndf 3.026e+05 / 73
p0 −29.64 ± 1.162e−16
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean 0
Std Dev 0



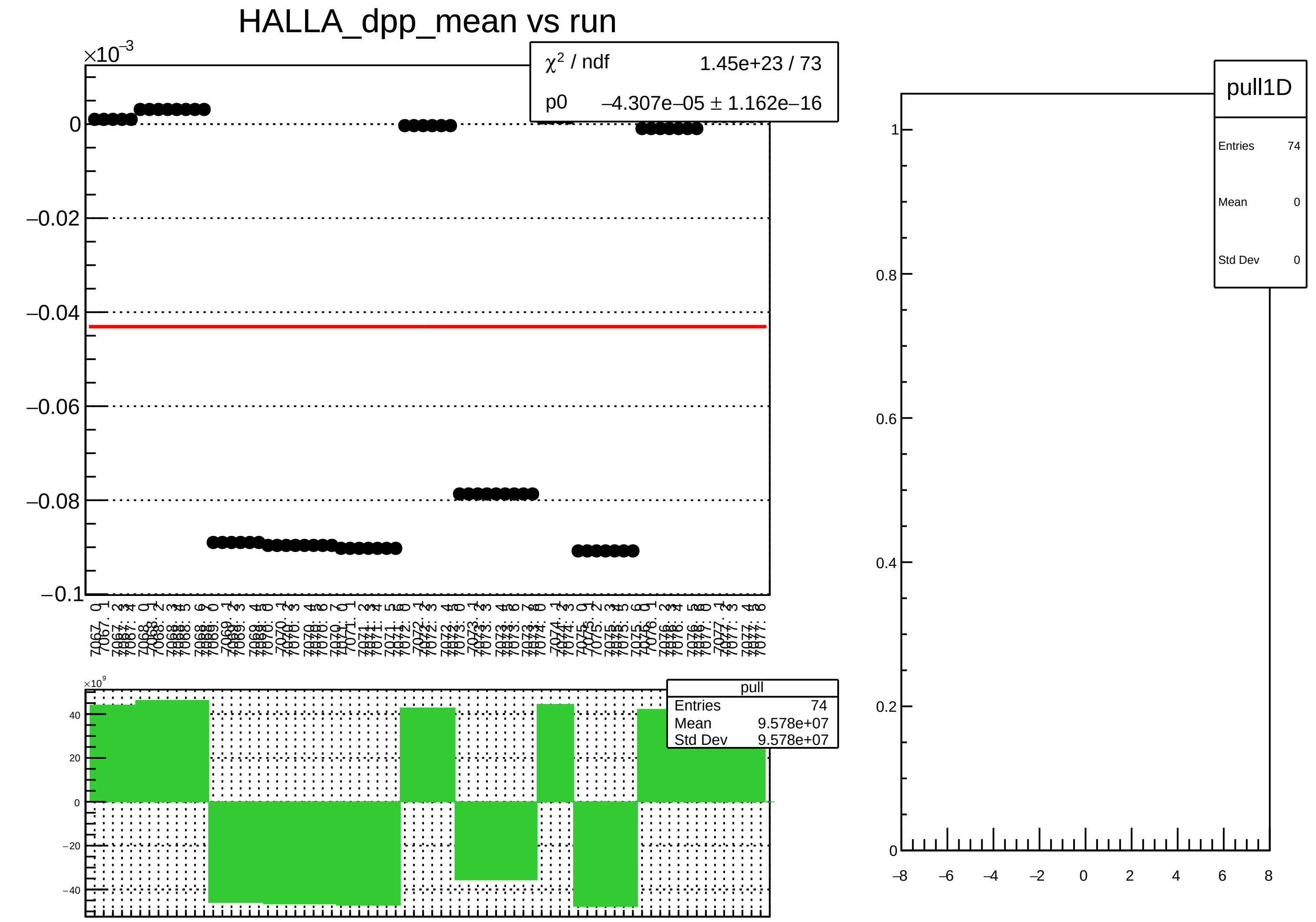
psub_pl_pos_mean vs run
χ^2 / ndf 2.448e+08 / 73
p0 1468 ± 1.162e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 74
Mean 37
Std Dev 21.36
1800
1600
1400
1200
1000
800
600
400
200
0
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

Phi_FG_mean vs run

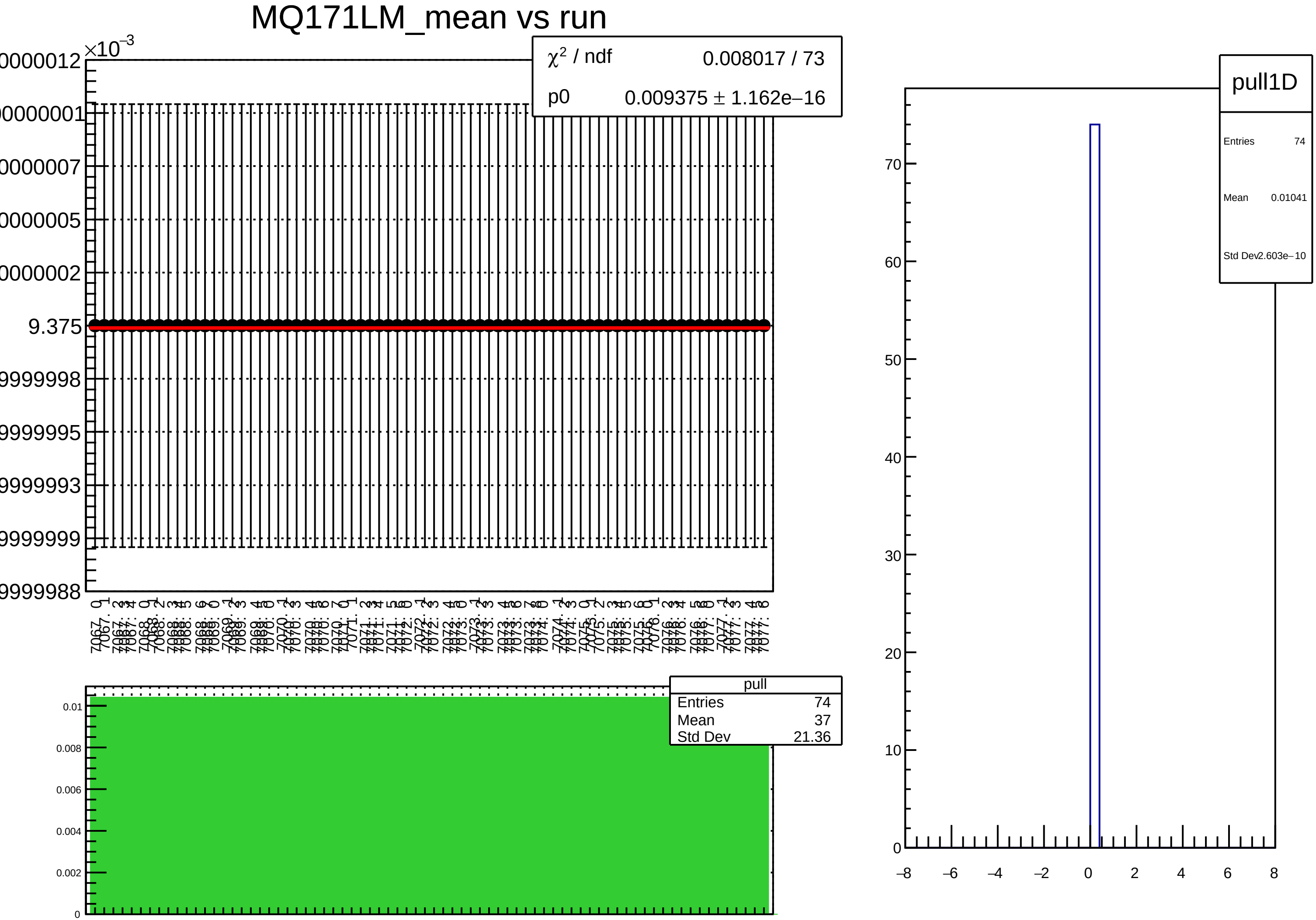


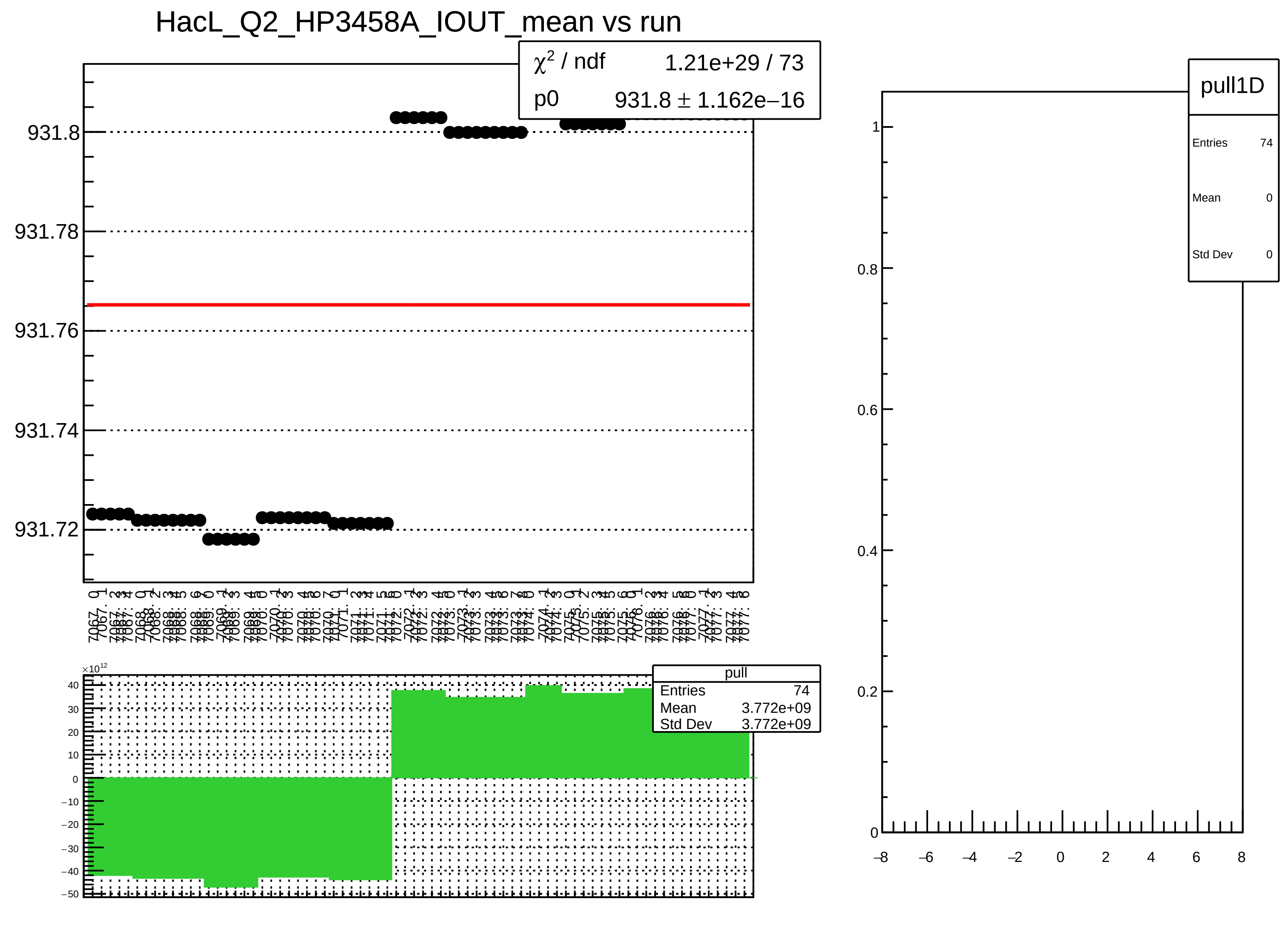


HALLA_p_mean vs run
χ^2 / ndf 1.296e+27 / 73
p0 2176 ± 1.162e−16
pull
Entries 74
Mean −2.725e+09
Std Dev 2.725e+09
pull1D
Entries 74
Mean 0
Std Dev 0

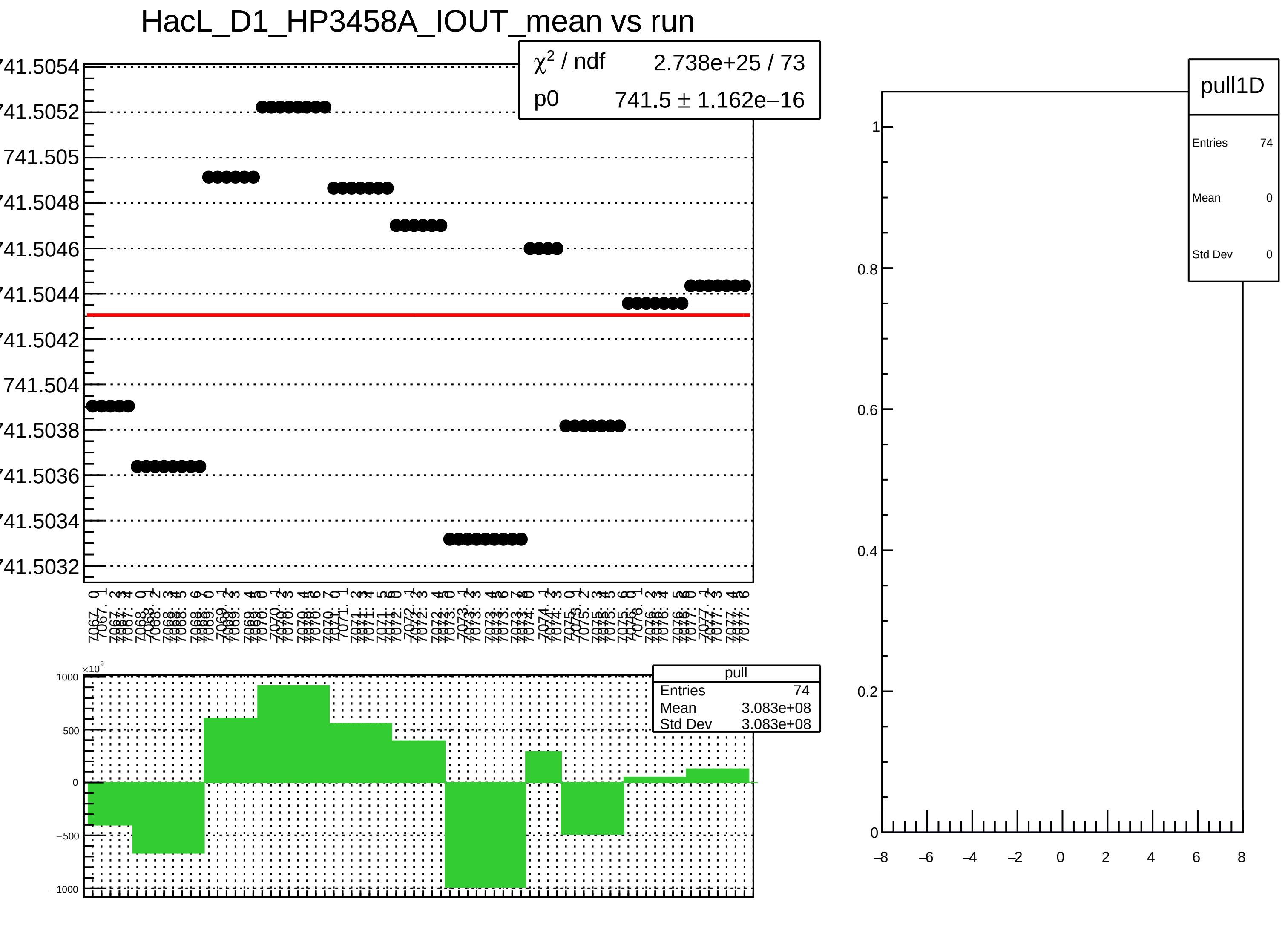


HALLA_dpp_mean vs run
$\times 10^{-3}$
χ^2 / ndf 1.45e+23 / 73
p0 −4.307e−05 ± 1.162e−16
0
−0.02
−0.04
−0.06
−0.08
−0.1
$\times 10^{9}$
40
20
0
−20
−40
pull
Entries 74
Mean 9.578e+07
Std Dev 9.578e+07
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

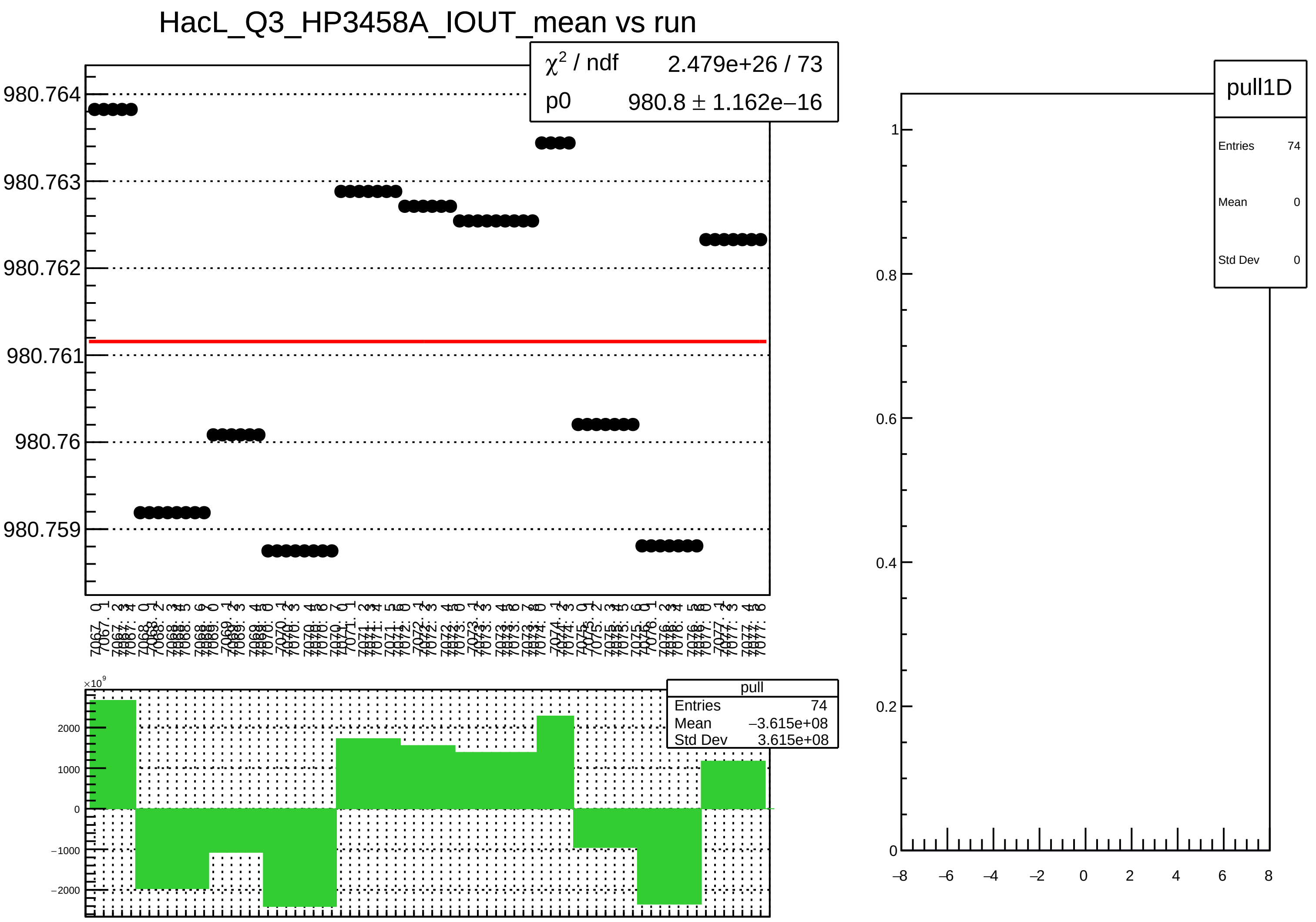

MQ171LM_mean vs run
×10^−3
9.375
χ2 / ndf 0.008017 / 73
p0 0.009375 ± 1.162e−16
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean 0.01041
Std Dev 2.603e−10



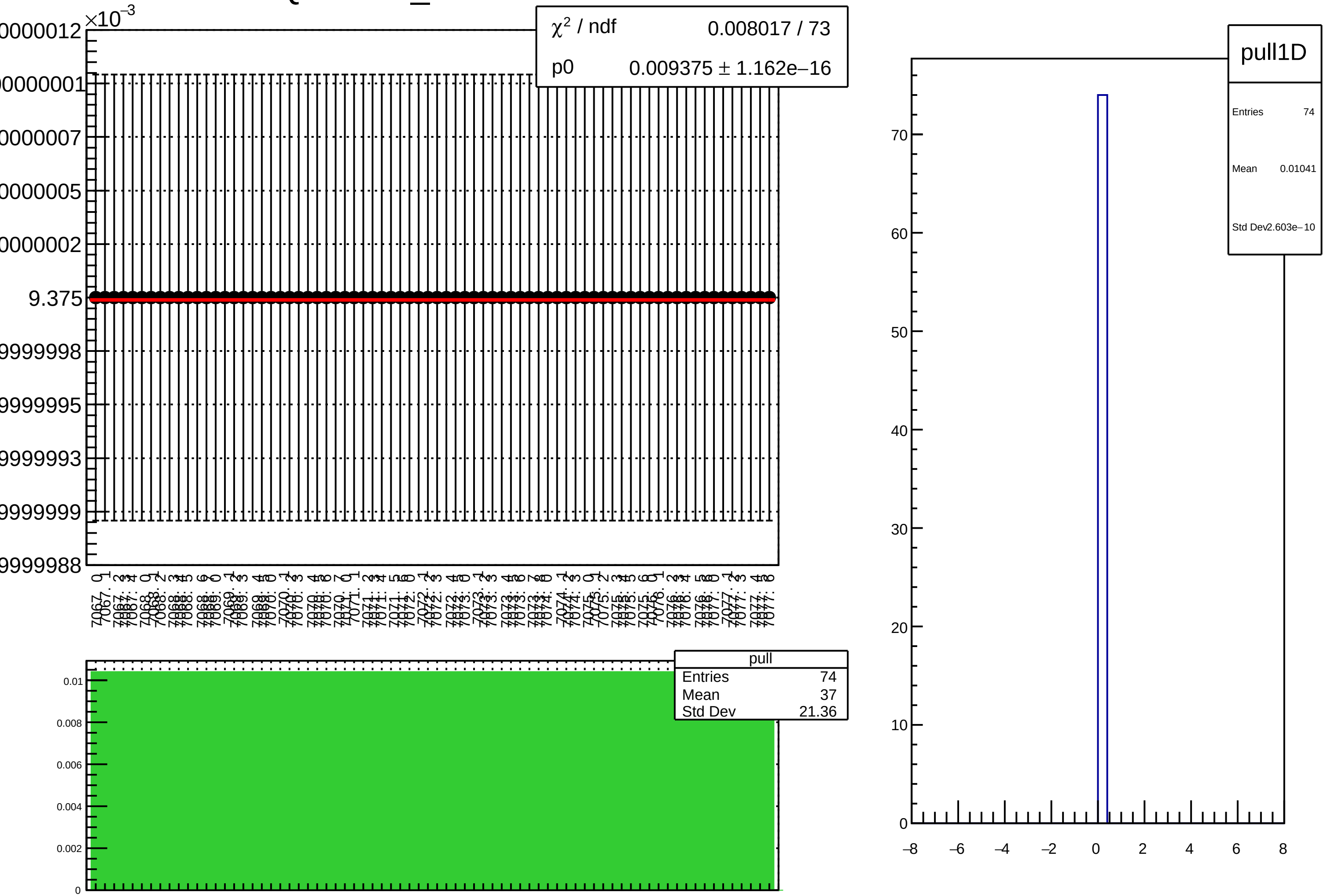
HacL_Q2_HP3458A_IOUT_mean vs run
χ^2 / ndf 1.21e+29 / 73
p0 931.8 ± 1.162e−16
pull
Entries 74
Mean 3.772e+09
Std Dev 3.772e+09
pull1D
Entries 74
Mean 0
Std Dev 0

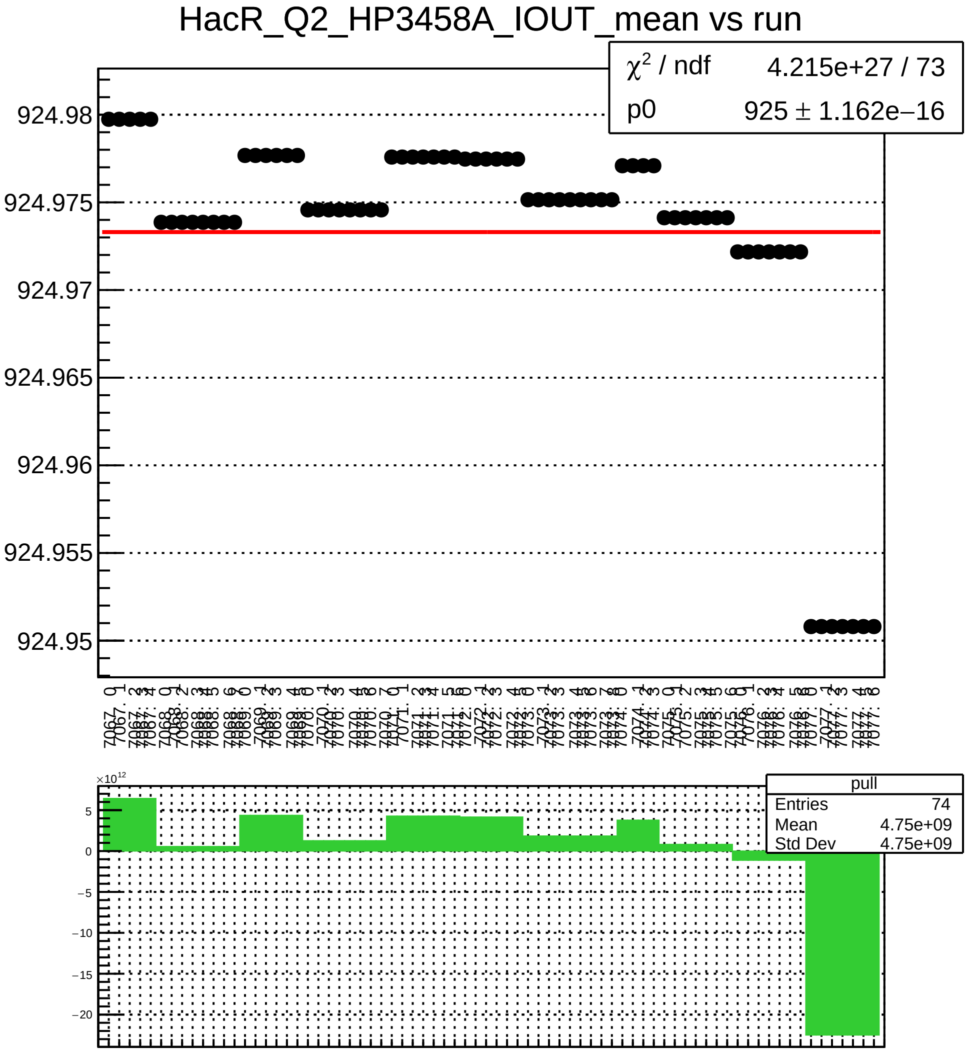


HacL_D1_HP3458A_IOUT_mean vs run
χ^2 / ndf 2.738e+25 / 73
p0 741.5 ± 1.162e−16
741.5054
741.5052
741.505
741.5048
741.5046
741.5044
741.5042
741.504
741.5038
741.5036
741.5034
741.5032
$\times 10^9$
1000
500
0
−500
−1000
pull
Entries 74
Mean 3.083e+08
Std Dev 3.083e+08
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

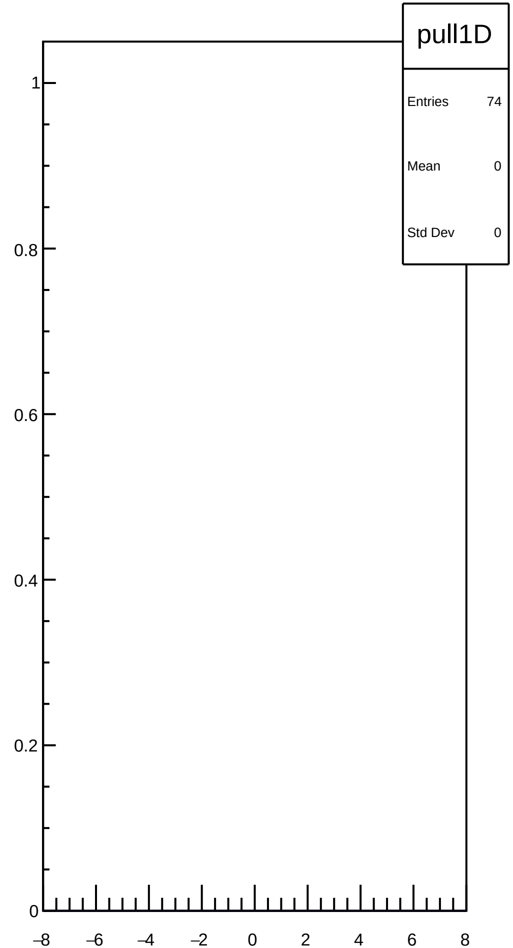

HacL_Q3_HP3458A_IOUT_mean vs run
χ^2 / ndf 2.479e+26 / 73
p0 980.8 ± 1.162e−16
980.764
980.763
980.762
980.761
980.76
980.759
×10^9
2000
1000
0
−1000
−2000
pull
Entries 74
Mean −3.615e+08
Std Dev 3.615e+08
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

MQ172RM_mean vs run

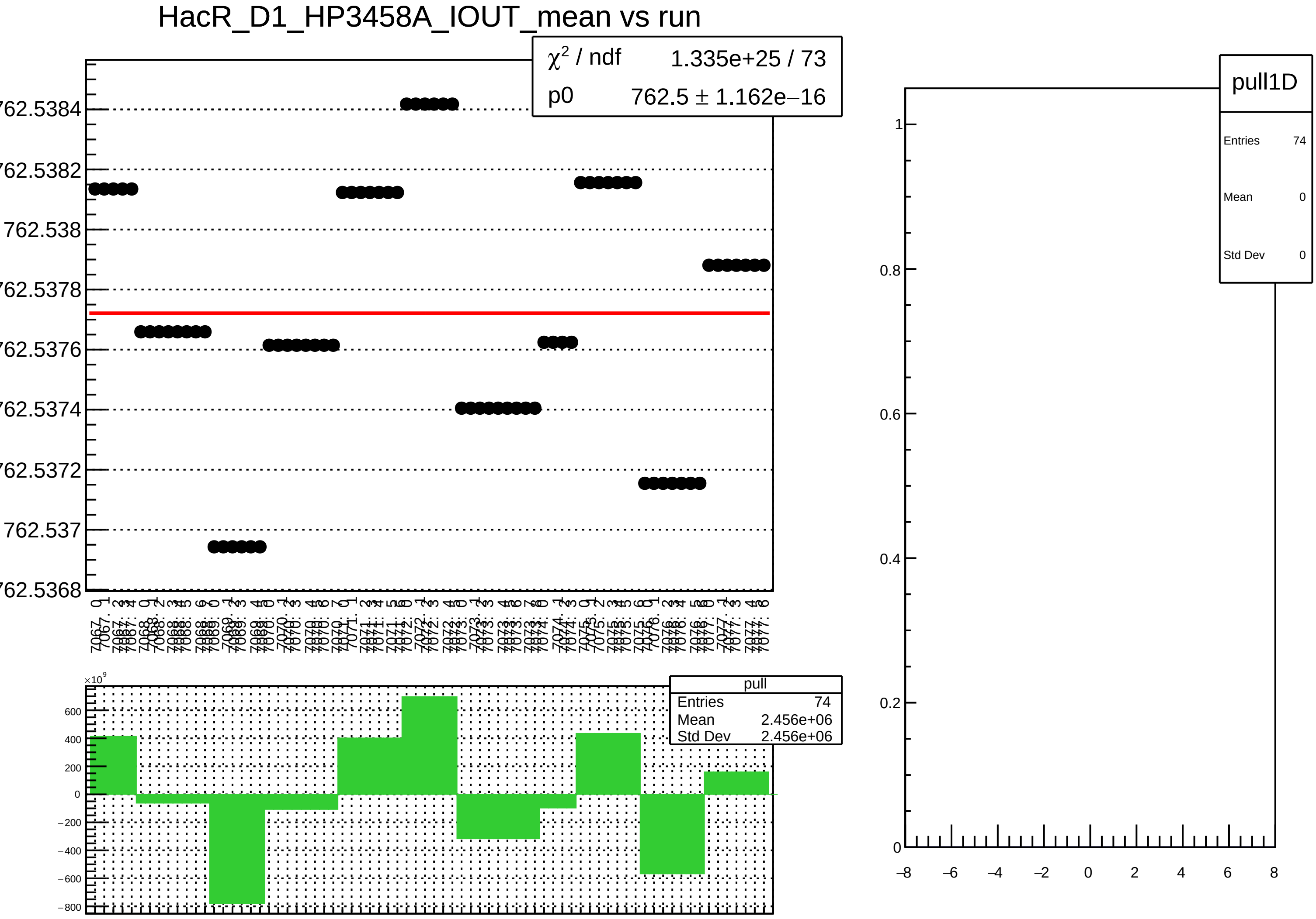




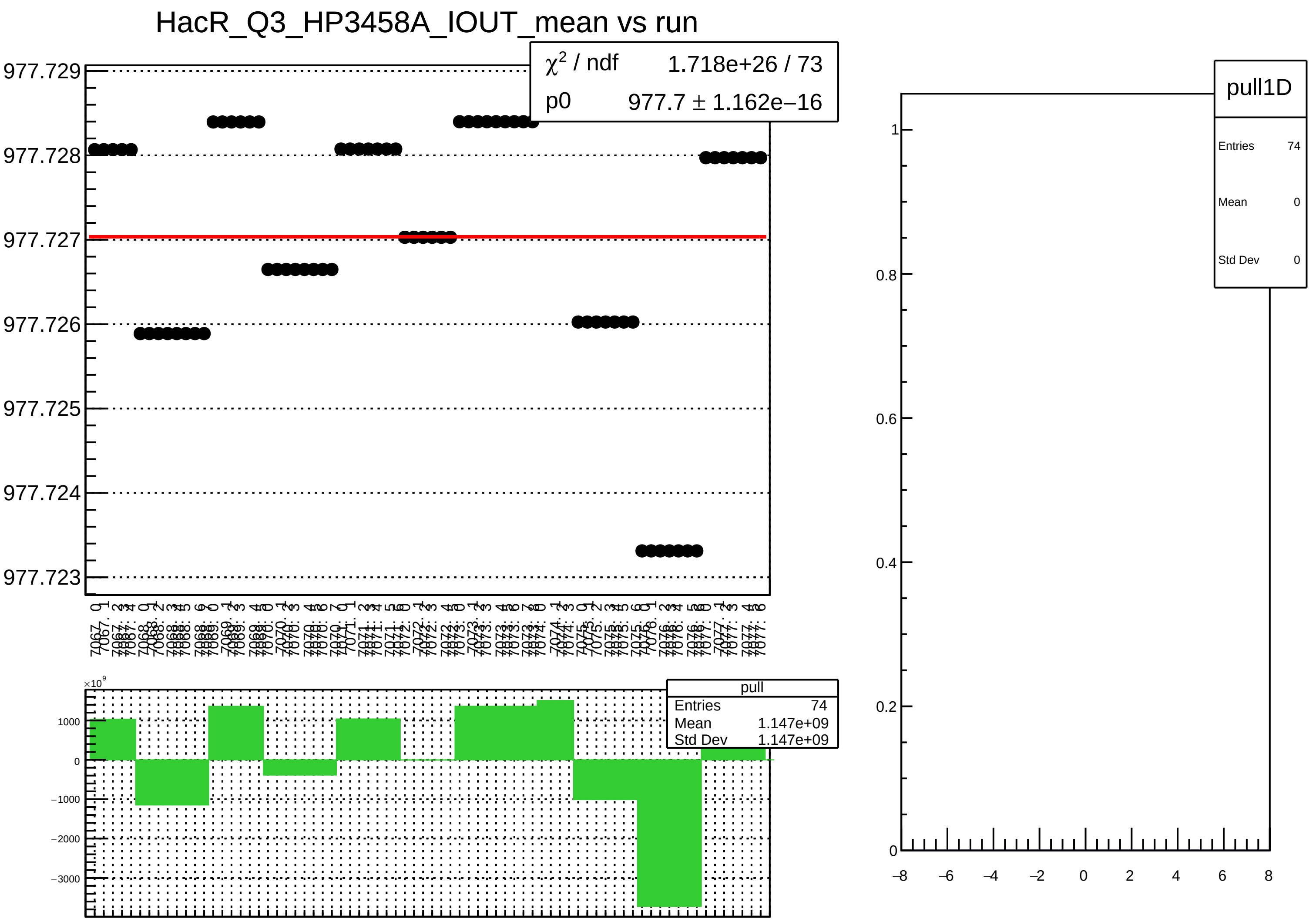
HacR_Q2_HP3458A_IOUT_mean vs run
χ2 / ndf 4.215e+27 / 73
p0 925 ± 1.162e−16
924.98
924.975
924.97
924.965
924.96
924.955
924.95
pull
Entries 74
Mean 4.75e+09
Std Dev 4.75e+09



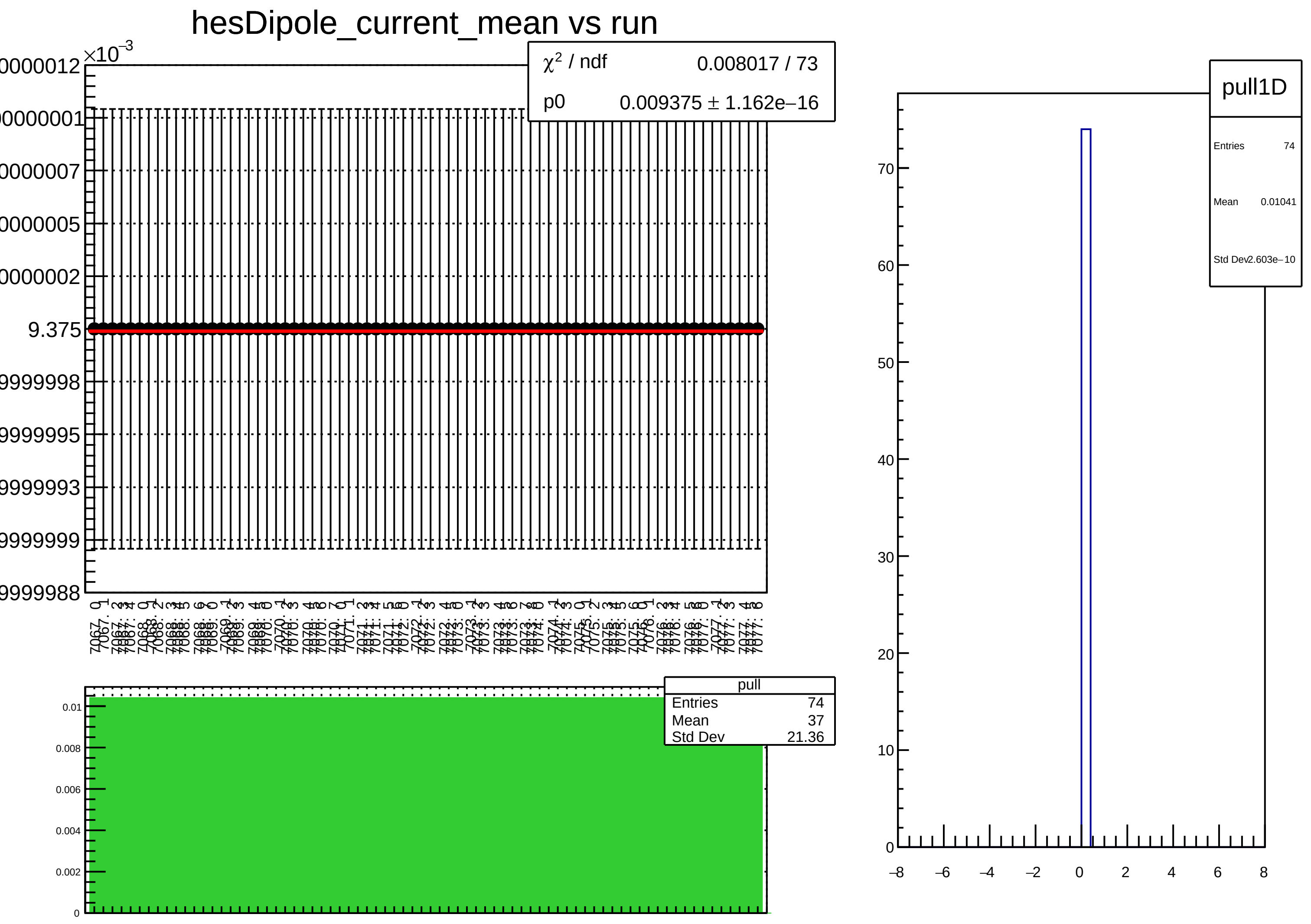
pull1D
Entries 74
Mean 0
Std Dev 0



HacR_D1_HP3458A_IOUT_mean vs run
χ2 / ndf 1.335e+25 / 73
p0 762.5 ± 1.162e−16
762.5384
762.5382
762.538
762.5378
762.5376
762.5374
762.5372
762.537
762.5368
×10^9
600
400
200
0
−200
−400
−600
−800
pull
Entries 74
Mean 2.456e+06
Std Dev 2.456e+06
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

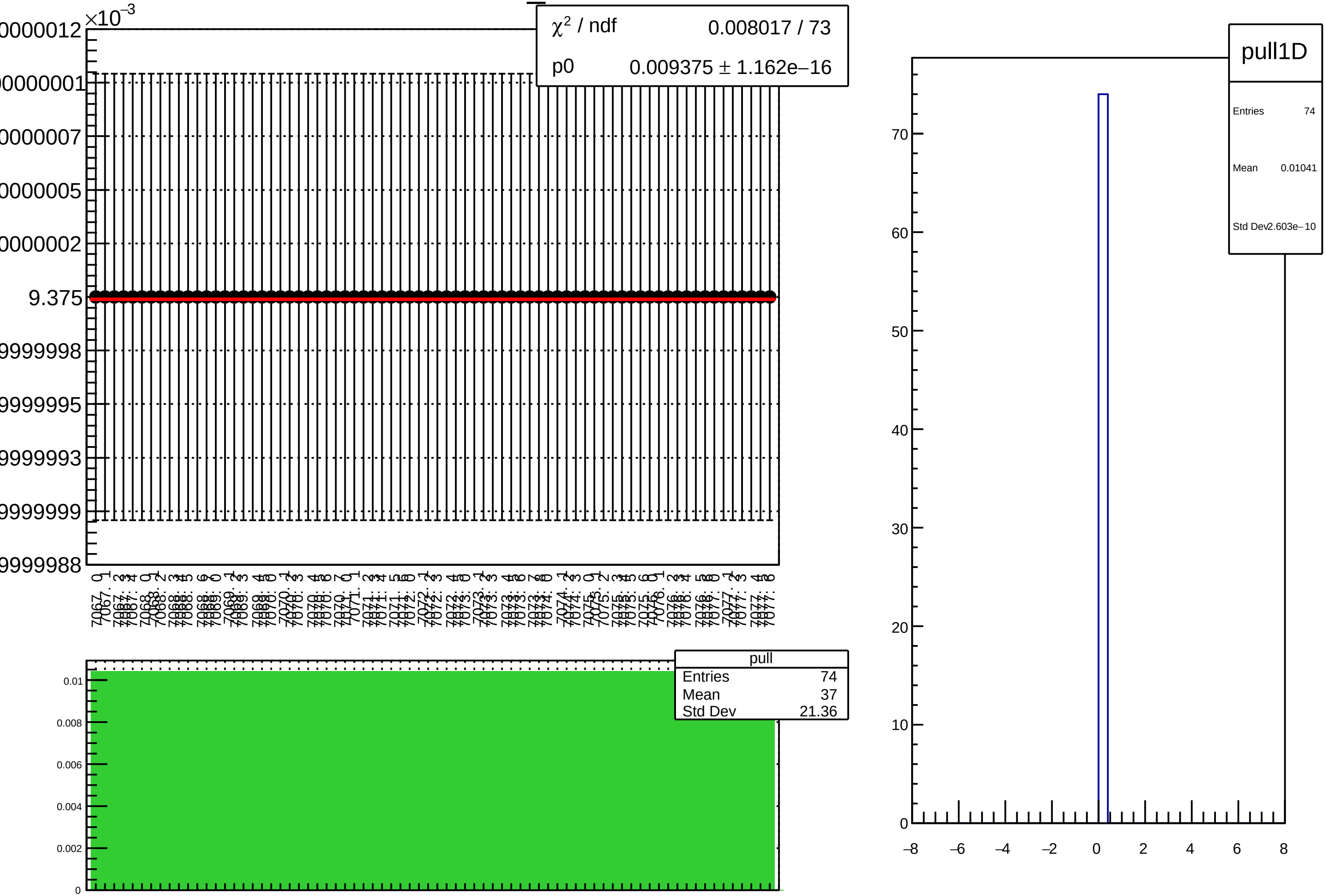


HacR_Q3_HP3458A_IOUT_mean vs run
χ2 / ndf 1.718e+26 / 73
p0 977.7 ± 1.162e−16
977.729
977.728
977.727
977.726
977.725
977.724
977.723
×10^9
1000
0
−1000
−2000
−3000
pull
Entries 74
Mean 1.147e+09
Std Dev 1.147e+09
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

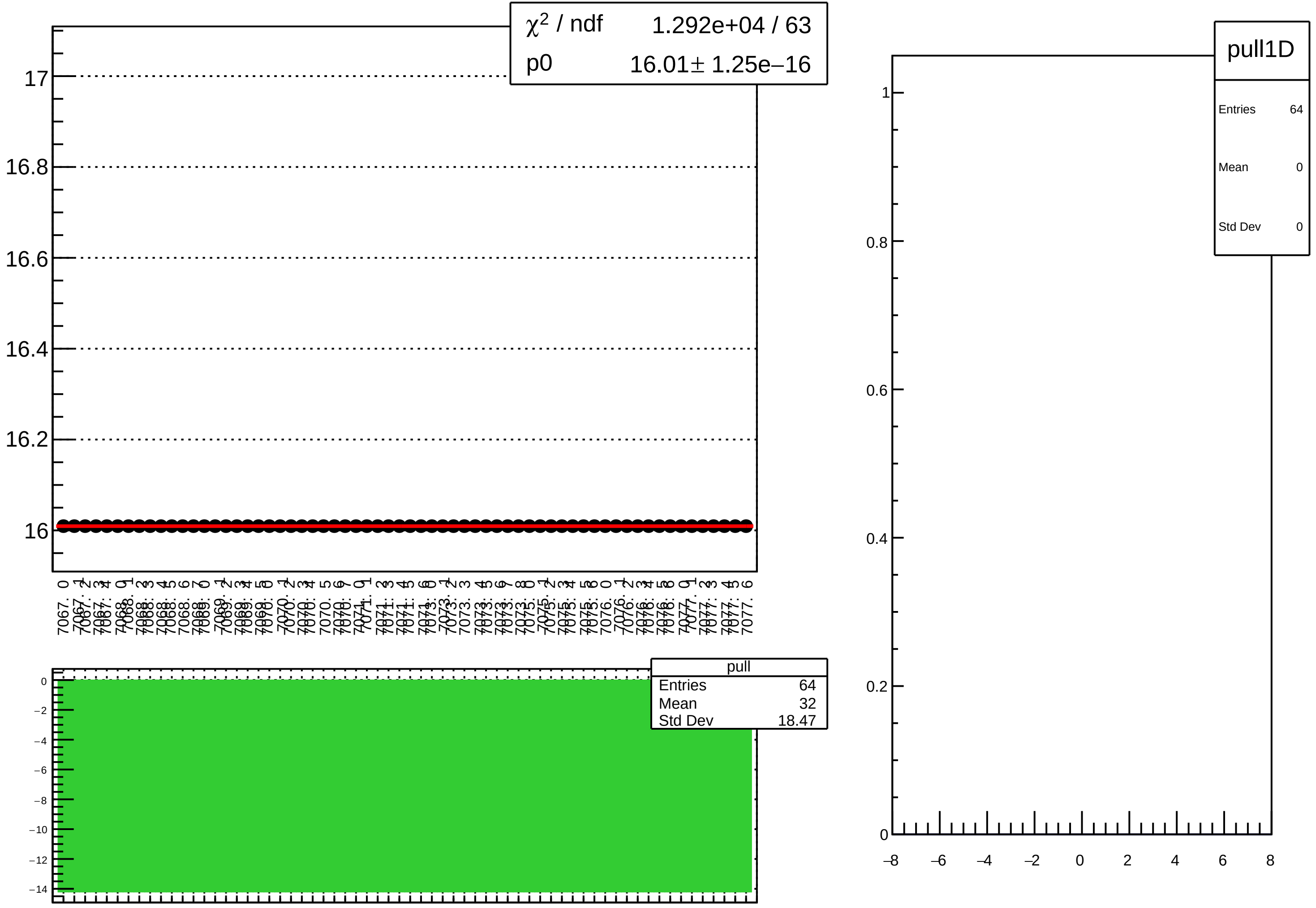


hesDipole_current_mean vs run
χ^2 / ndf 0.008017 / 73
p0 0.009375 ± 1.162e−16
9.375
pull
Entries 74
Mean 37
Std Dev 21.36
pull1D
Entries 74
Mean 0.01041
Std Dev 2.603e−10

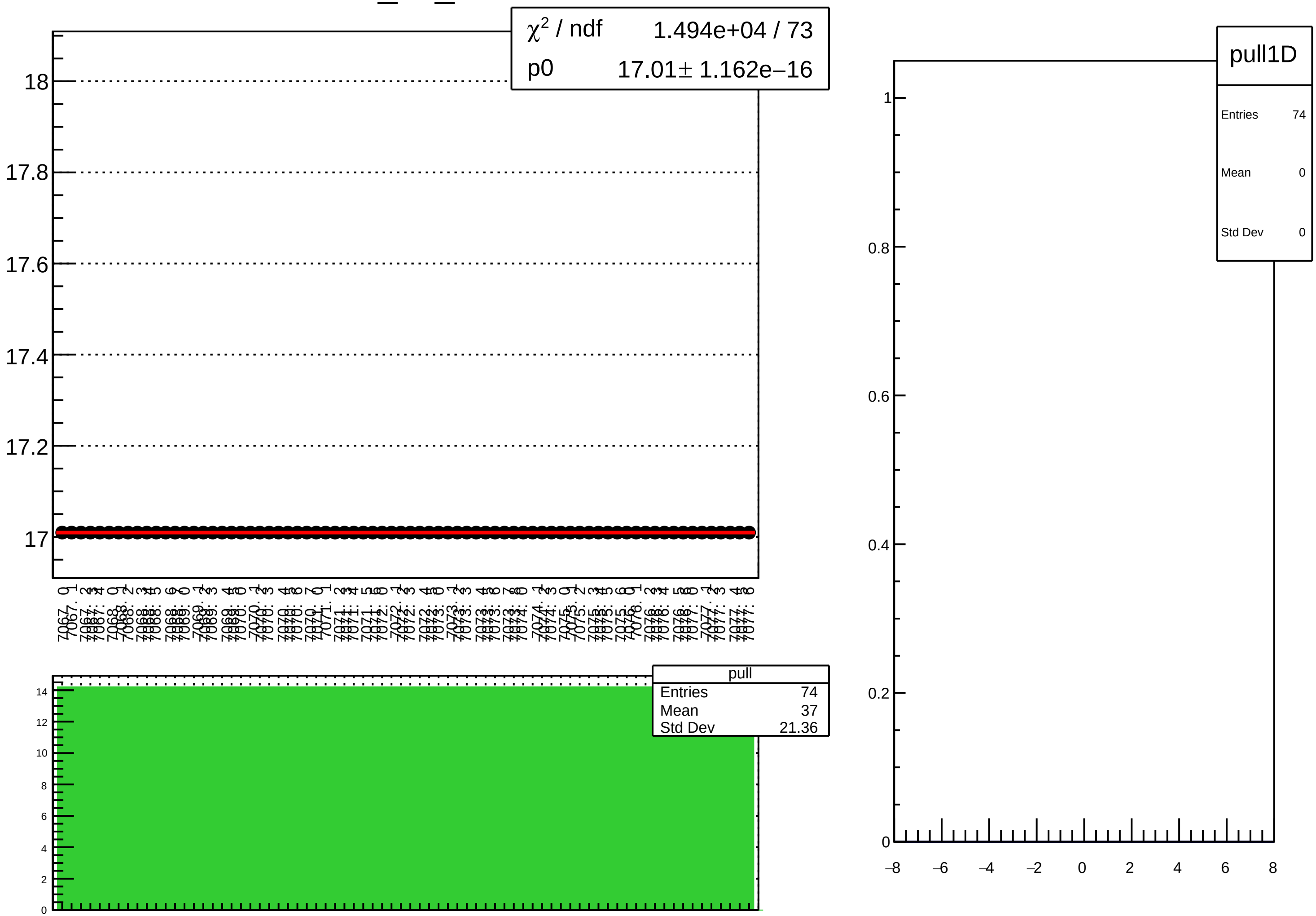
MSUPERBIGBITEreadcalc_mean vs run

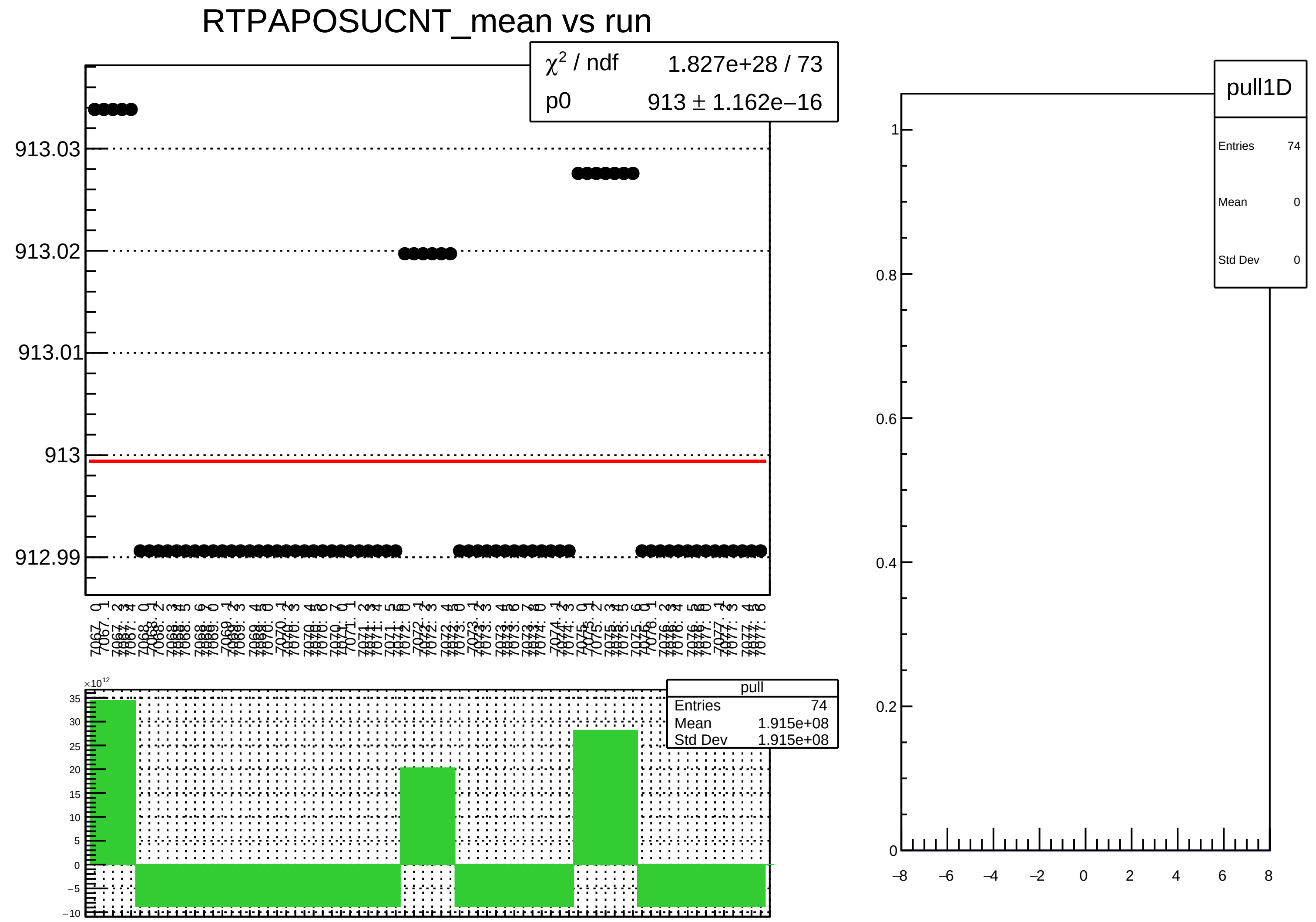


IGL1I00DI24_24M_mean vs run

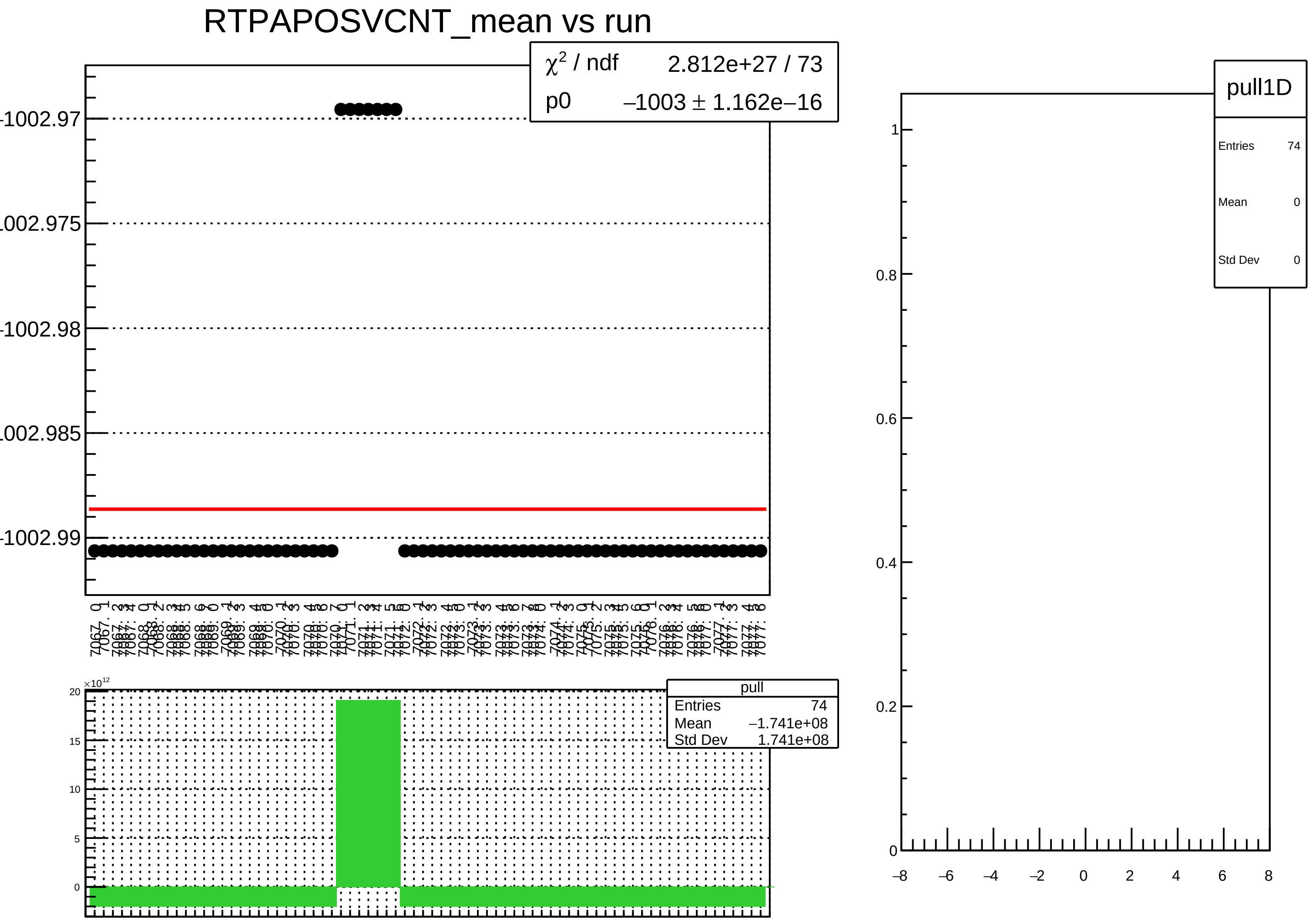


IGL1I00OD16_16_mean vs run





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


RTPAPOSVCNT_mean vs run
χ2 / ndf 2.812e+27 / 73
p0 −1003 ± 1.162e−16
pull
Entries 74
Mean −1.741e+08
Std Dev 1.741e+08
pull1D
Entries 74
Mean 0
Std Dev 0