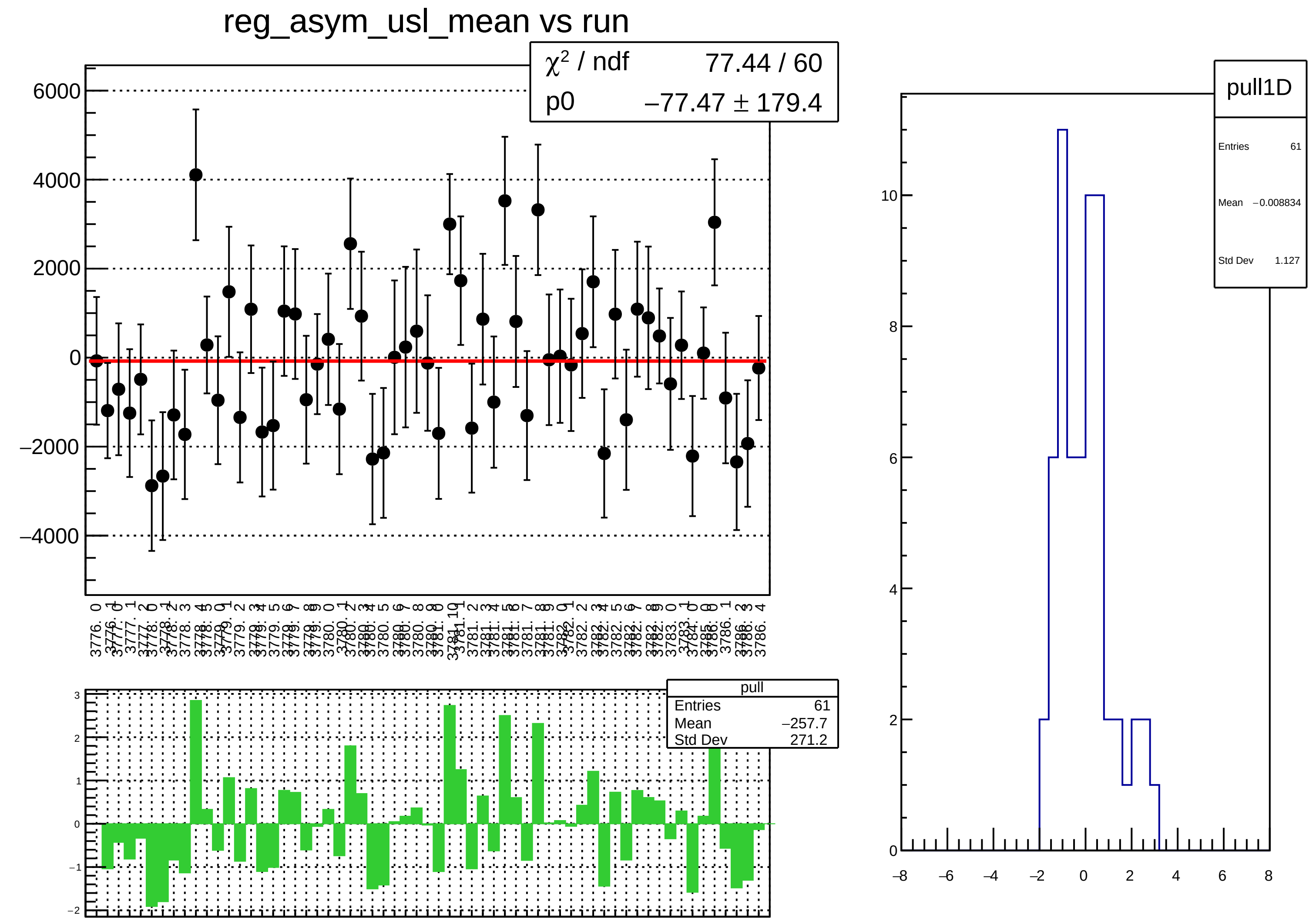
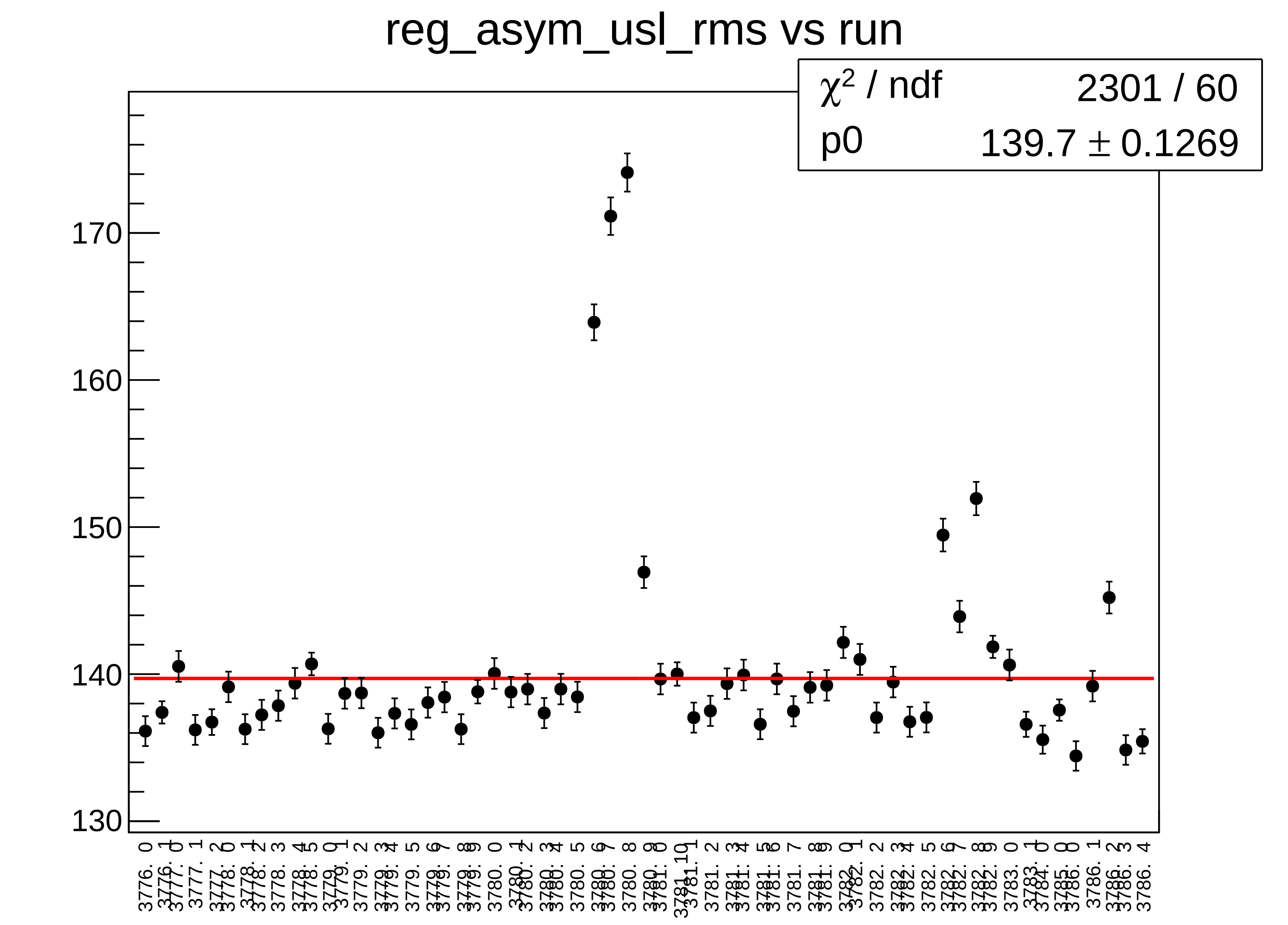
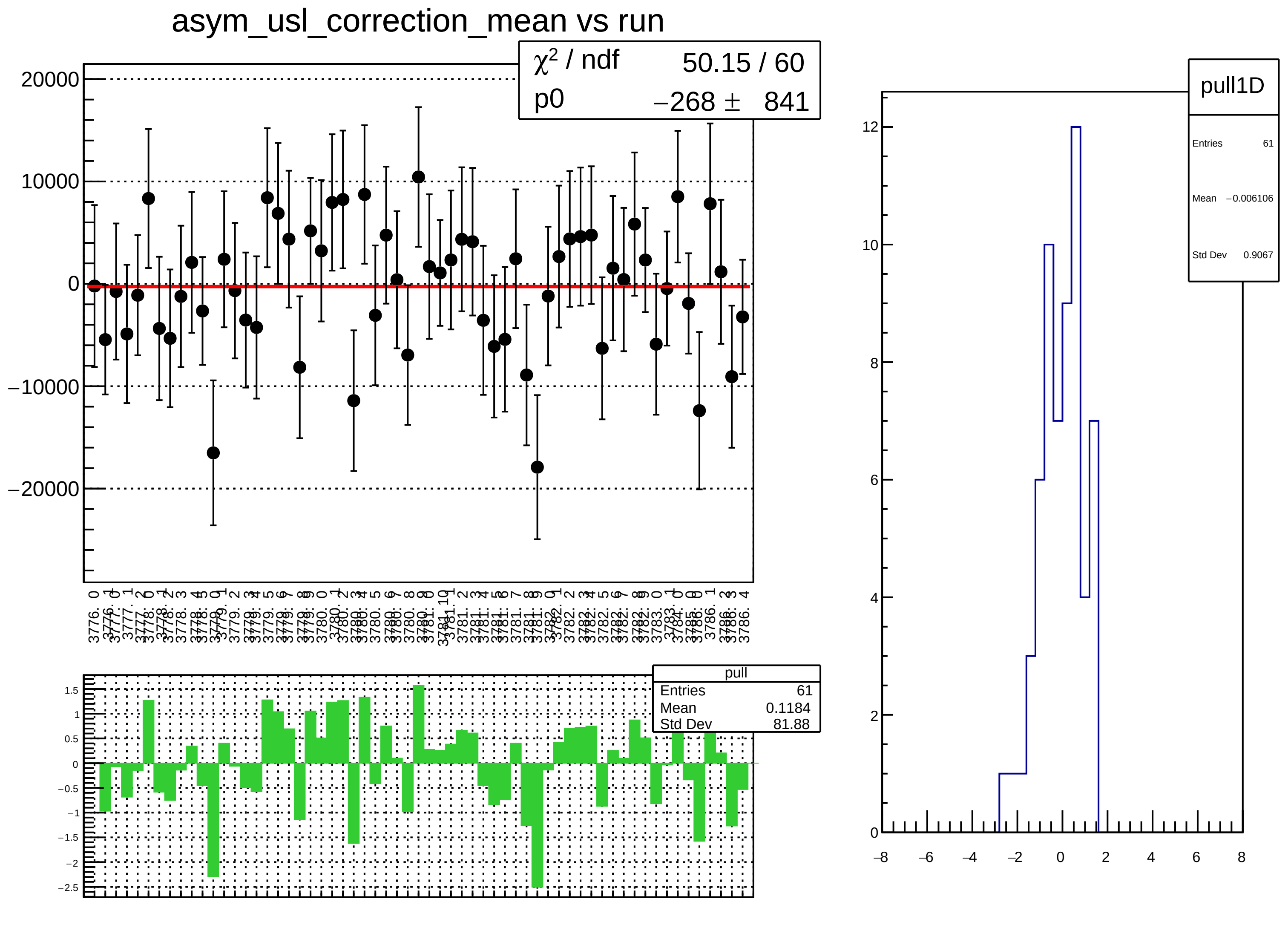
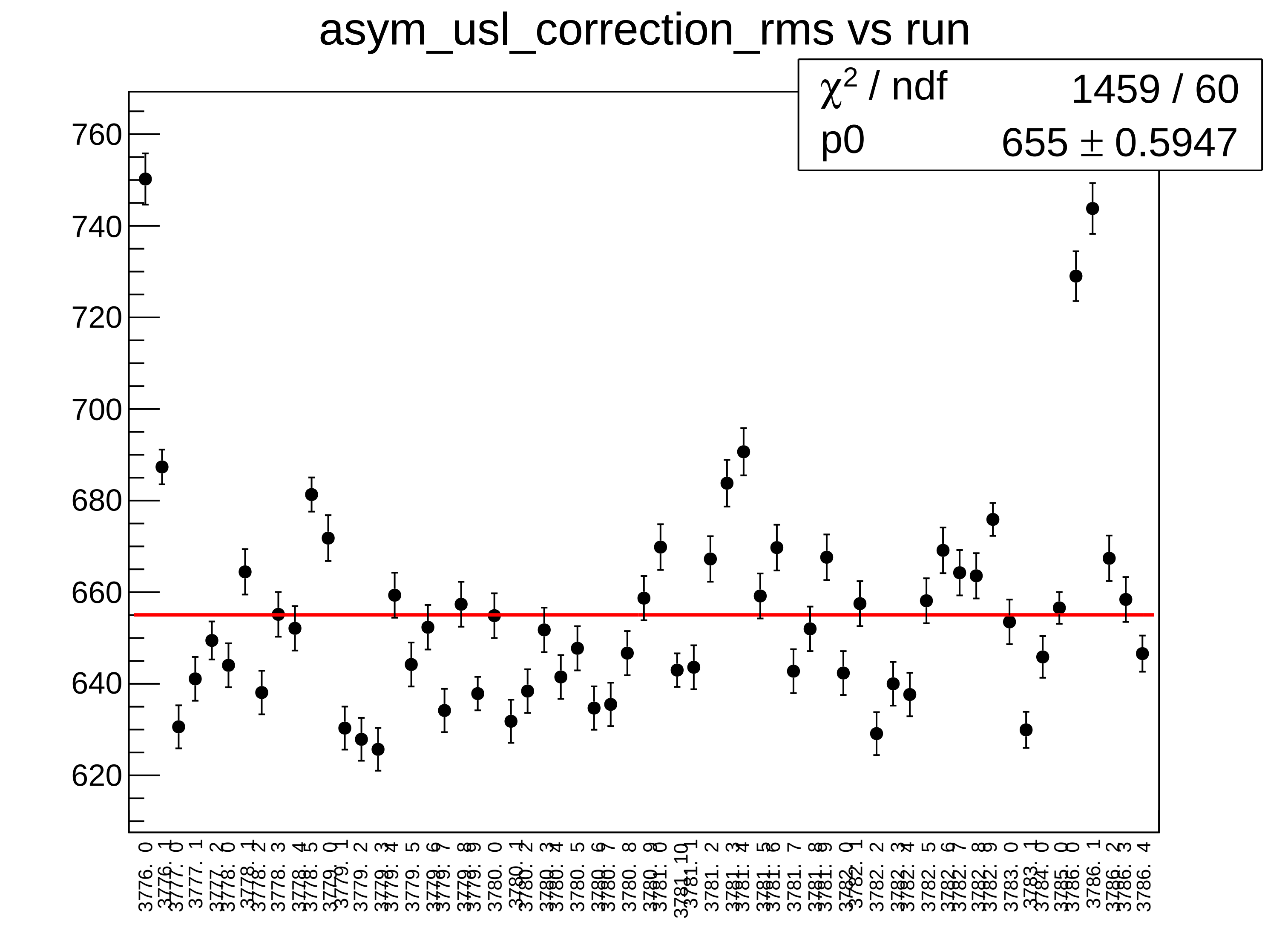
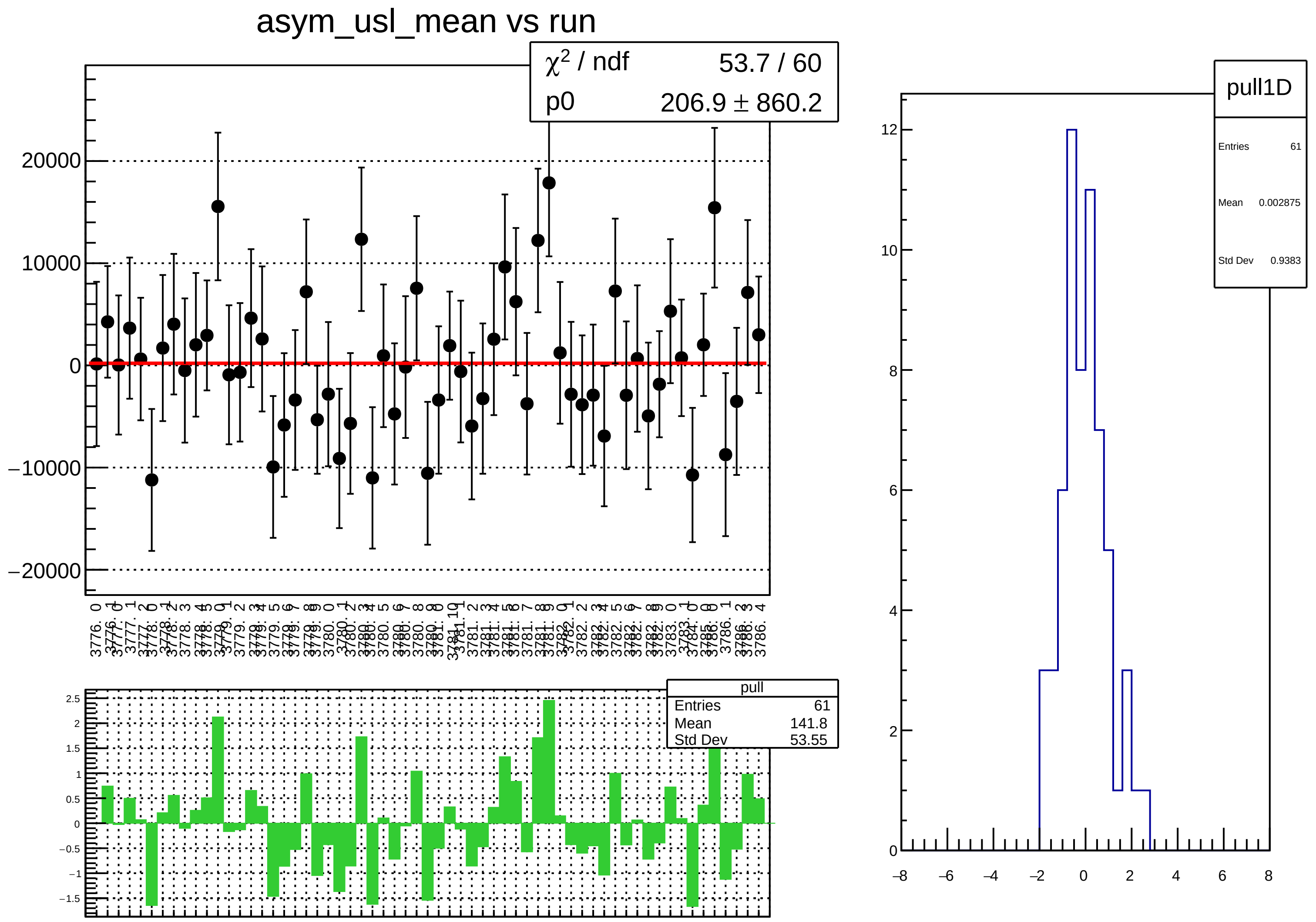


reg_asym_usl_mean vs run
χ2 / ndf 77.44 / 60
p0 −77.47 ± 179.4
pull
Entries 61
Mean −257.7
Std Dev 271.2
pull1D
Entries 61
Mean −0.008834
Std Dev 1.127

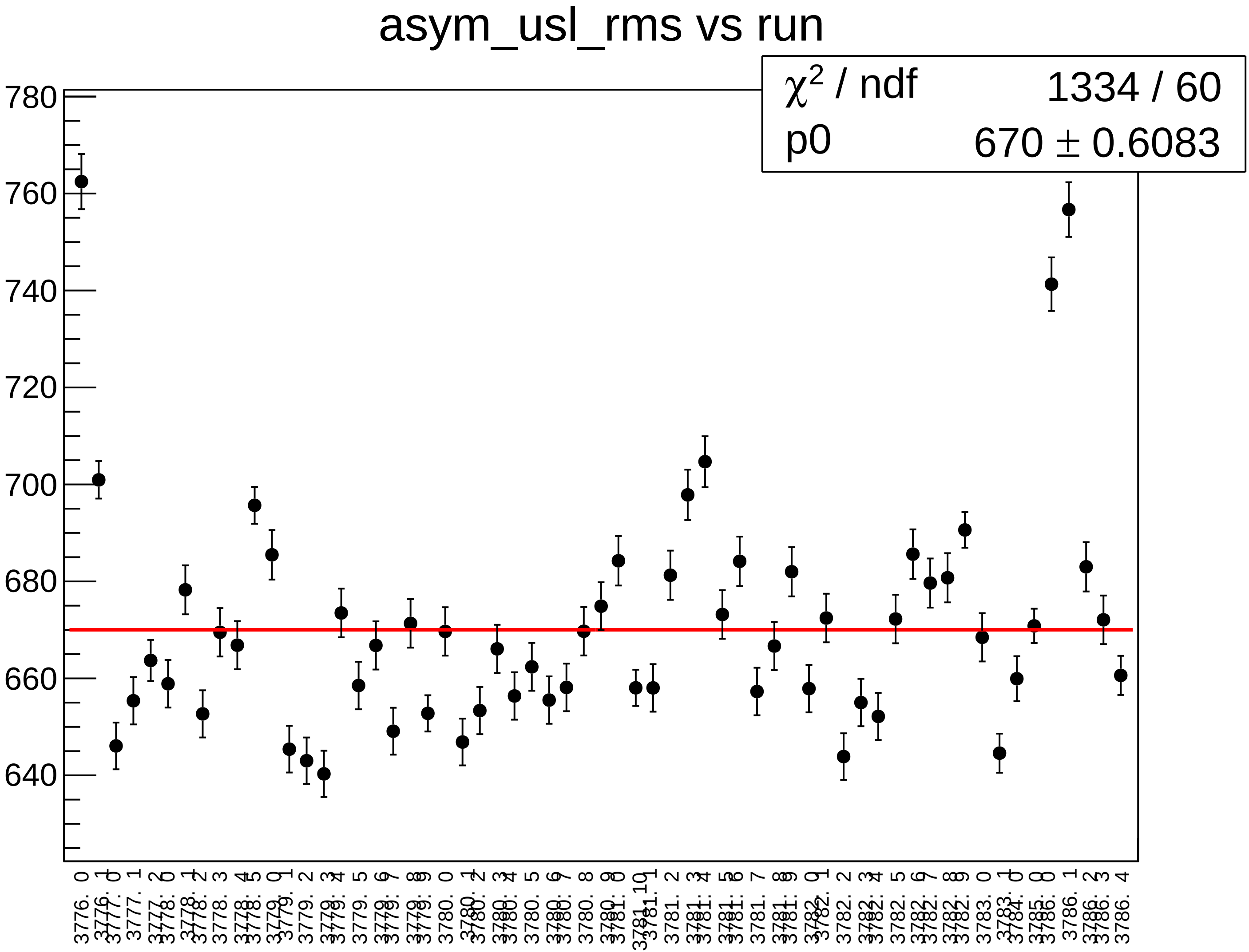

reg_asym_usl_rms vs run
χ2 / ndf 2301 / 60
p0 139.7 ± 0.1269
170
160
150
140
130

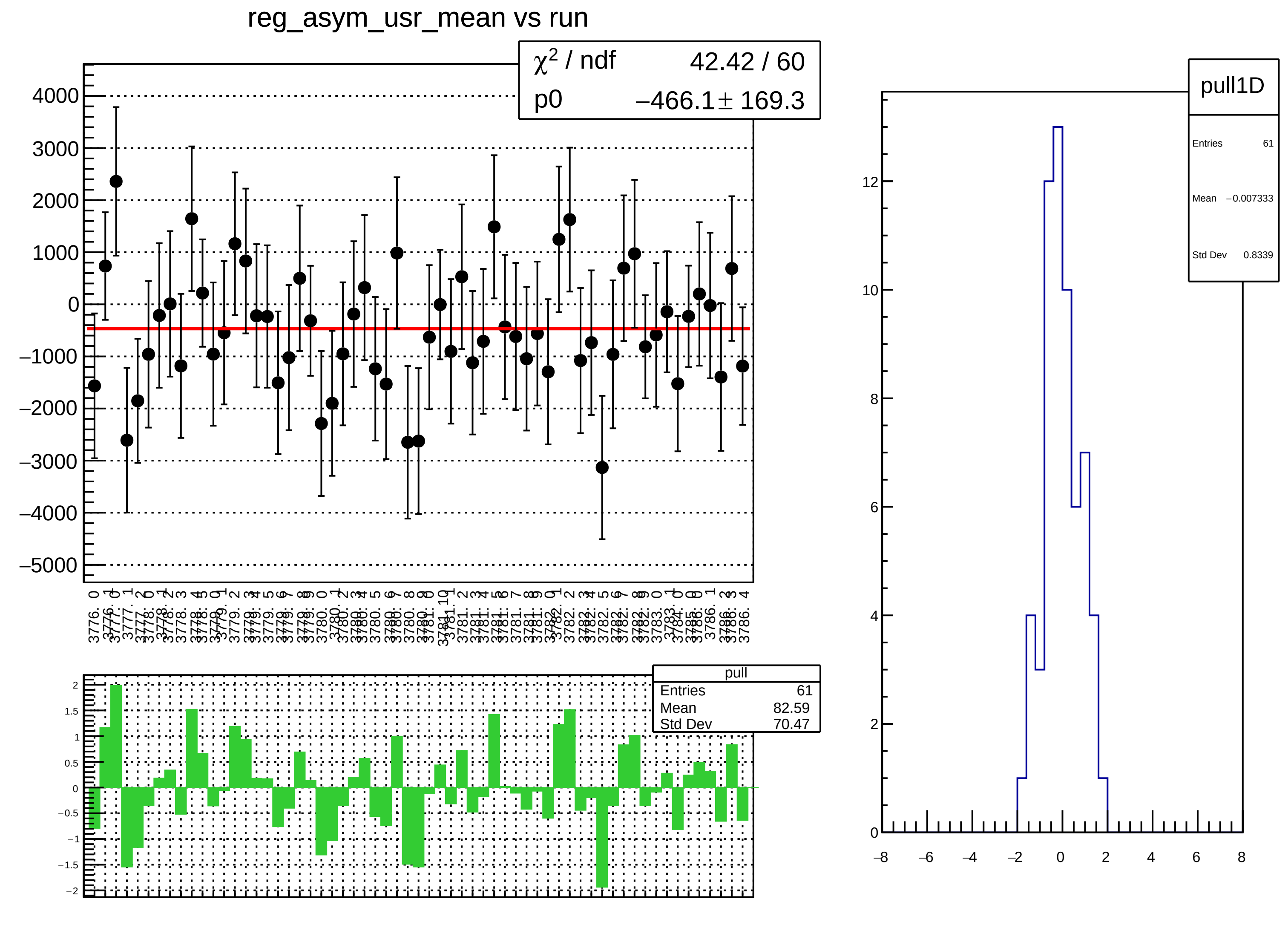

asym_usl_correction_mean vs run
χ^2 / ndf 50.15 / 60
p0 −268 ± 841
pull
Entries 61
Mean 0.1184
Std Dev 81.88
pull1D
Entries 61
Mean −0.006106
Std Dev 0.9067

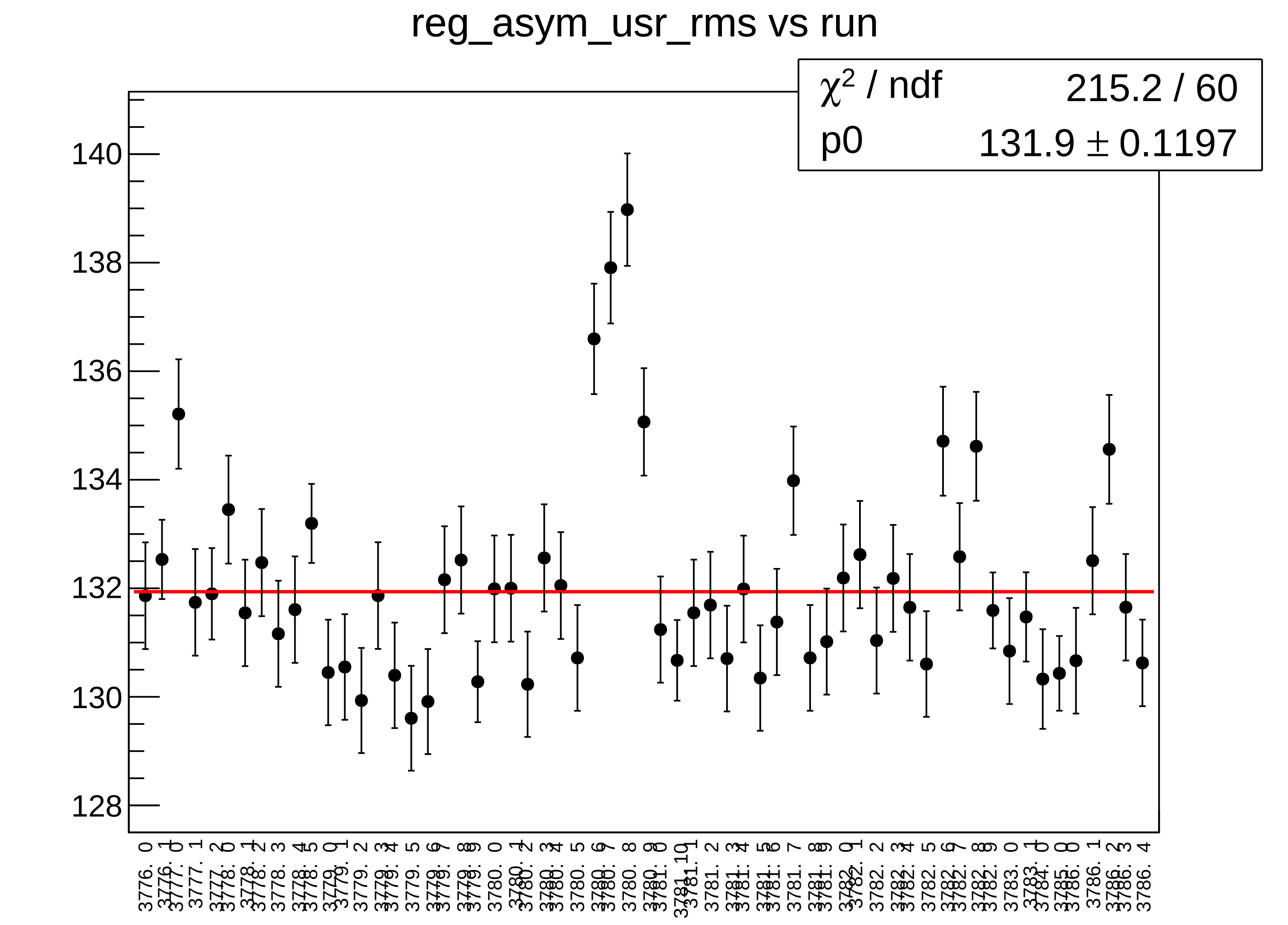

asym_usl_correction_rms vs run
χ² / ndf 1459 / 60
p0 655 ± 0.5947

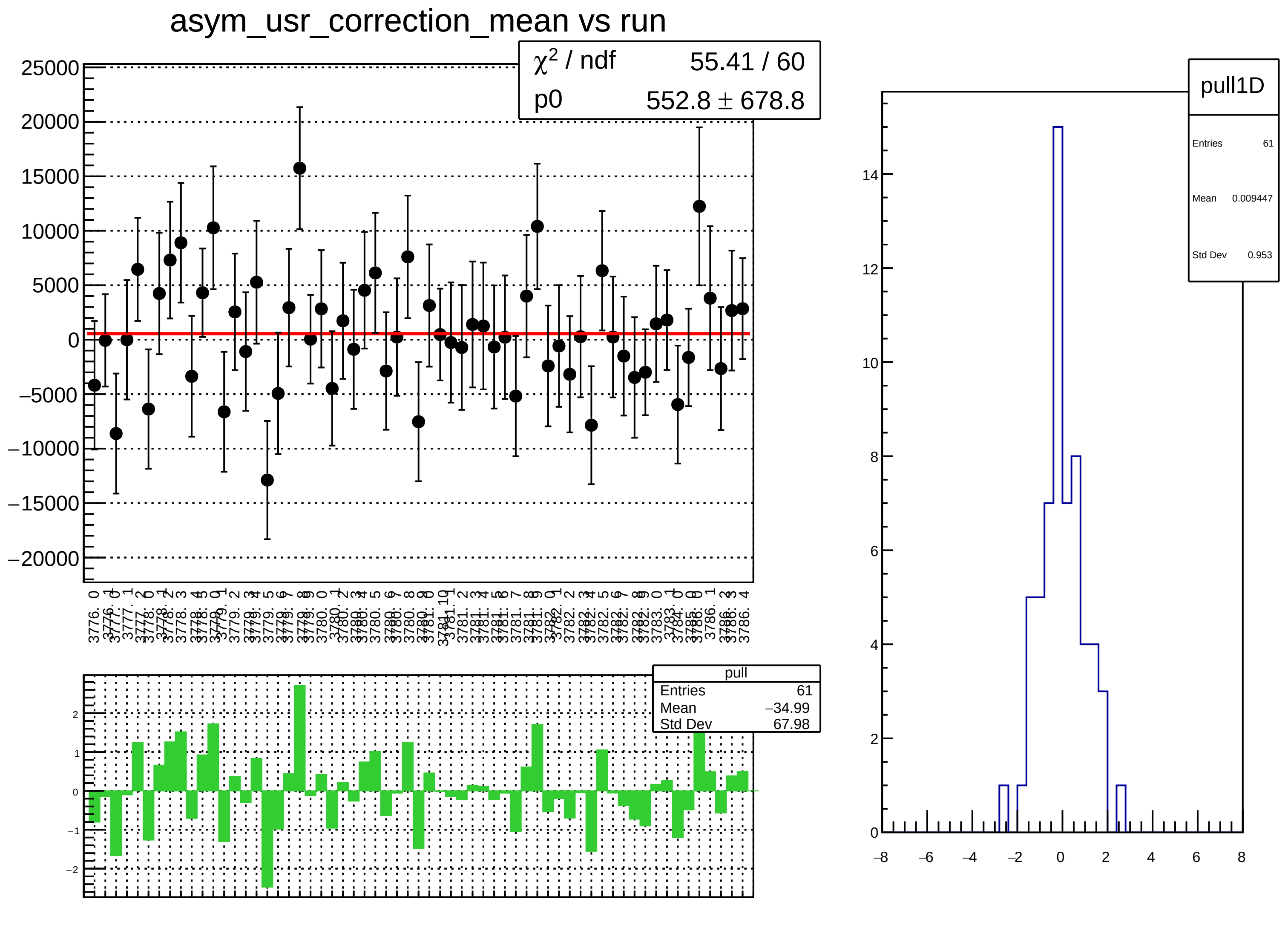


asym_usl_mean vs run
χ^2 / ndf 53.7 / 60
p0 206.9 ± 860.2
pull
Entries 61
Mean 141.8
Std Dev 53.55
pull1D
Entries 61
Mean 0.002875
Std Dev 0.9383

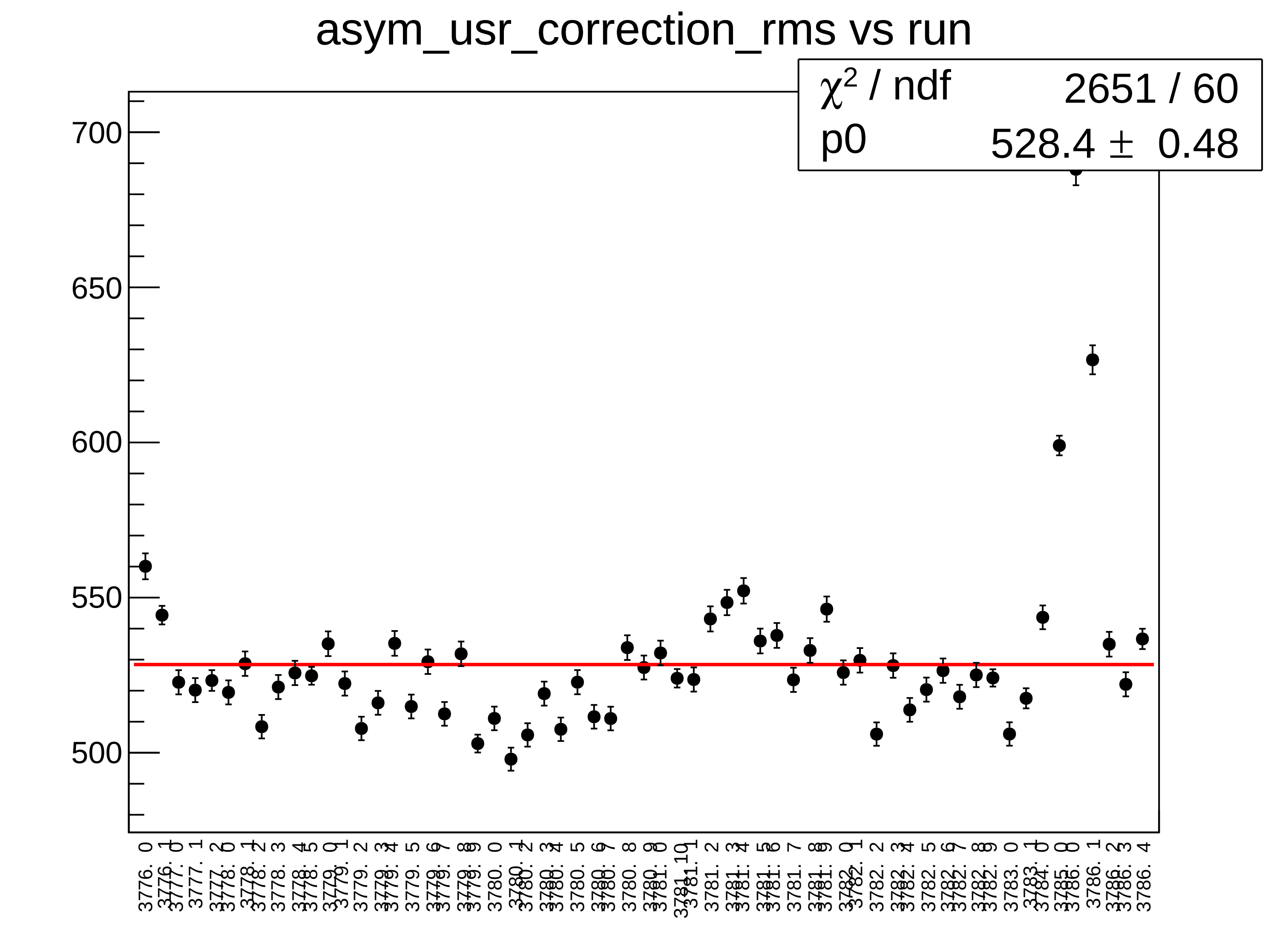

asym_usl_rms vs run
χ^2 / ndf 1334 / 60
p0 670 ± 0.6083
780
760
740
720
700
680
660
640

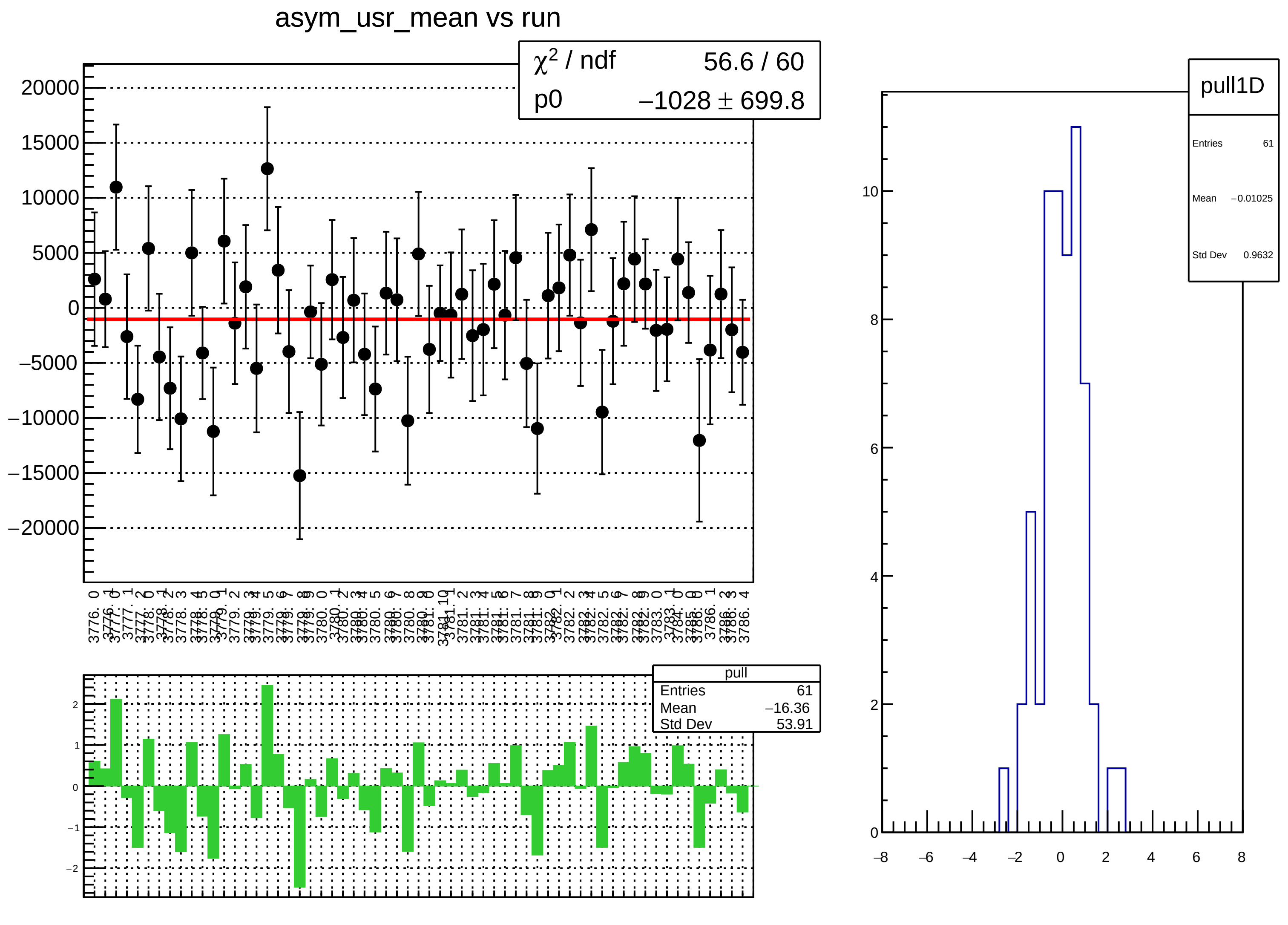

reg_asym_usr_mean vs run
χ^2 / ndf 42.42 / 60
p0 −466.1 ± 169.3
pull
Entries 61
Mean 82.59
Std Dev 70.47
pull1D
Entries 61
Mean −0.007333
Std Dev 0.8339


reg_asym_usr_rms vs run
χ2 / ndf 215.2 / 60
p0 131.9 ± 0.1197
140
138
136
134
132
130
128

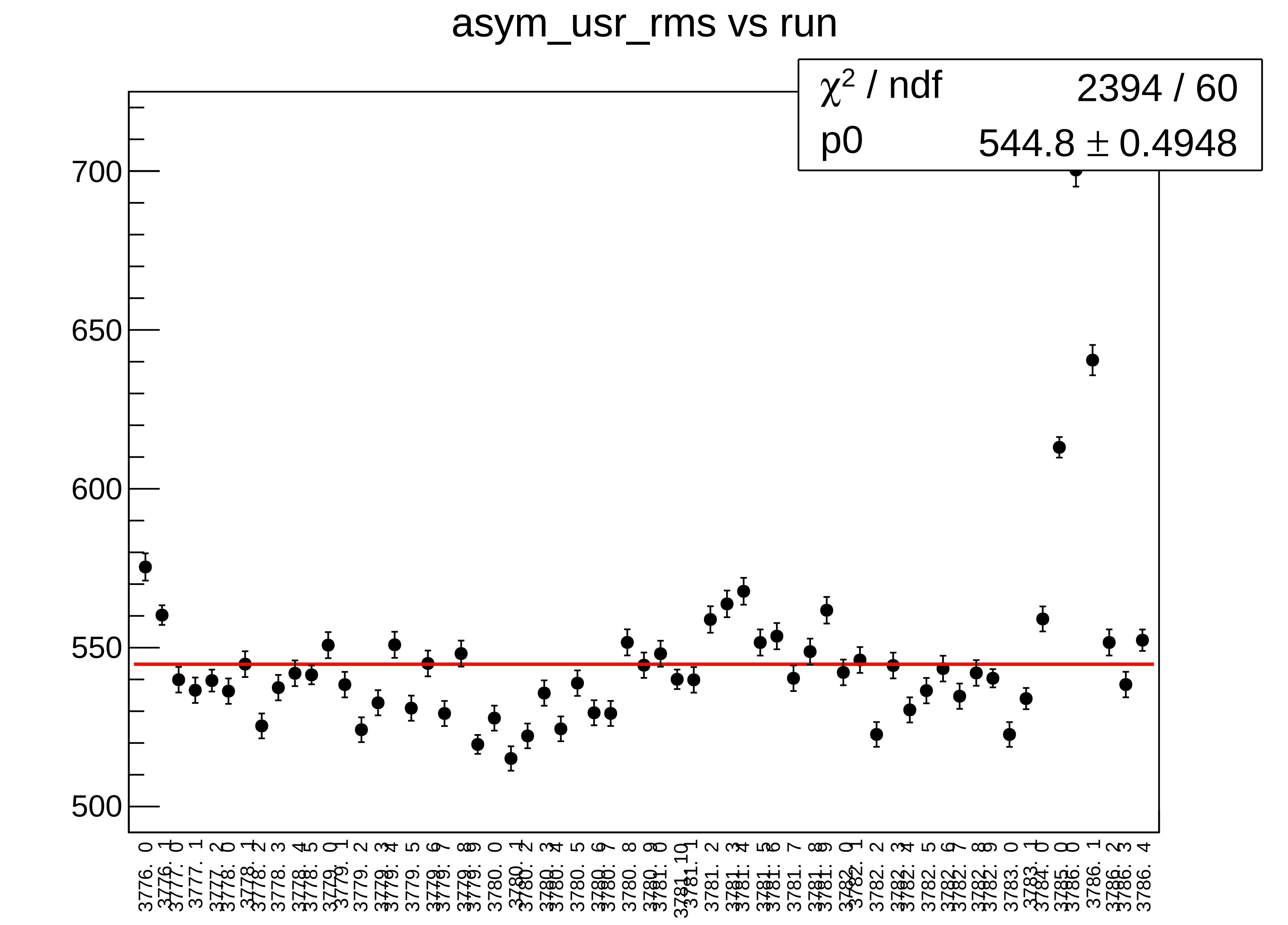


asym_usr_correction_mean vs run
χ^2 / ndf 55.41 / 60
p0 552.8 ± 678.8
pull
Entries 61
Mean −34.99
Std Dev 67.98
pull1D
Entries 61
Mean 0.009447
Std Dev 0.953

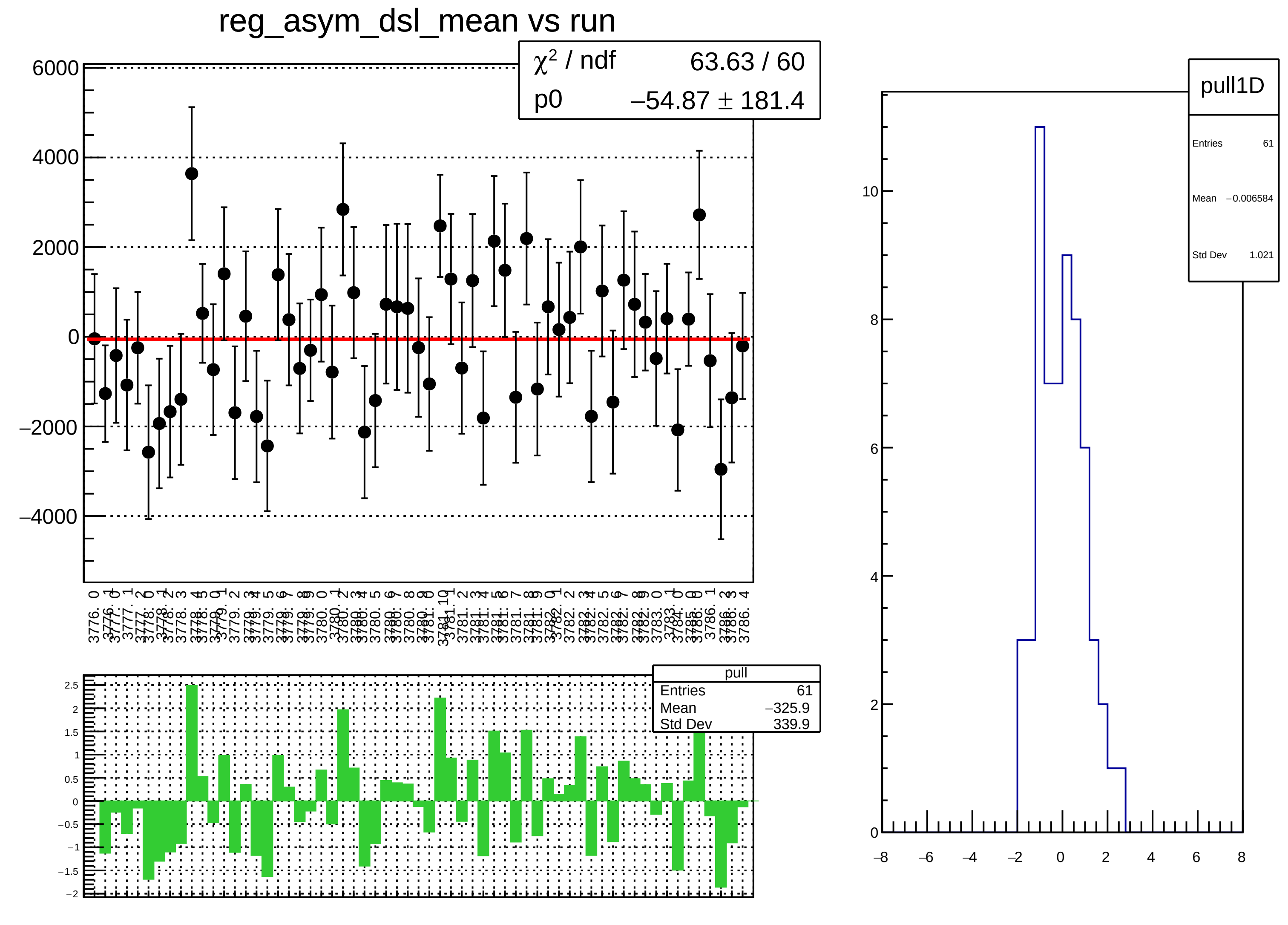

asym_usr_correction_rms vs run
χ² / ndf 2651 / 60
p0 528.4 ± 0.48
700
650
600
550
500



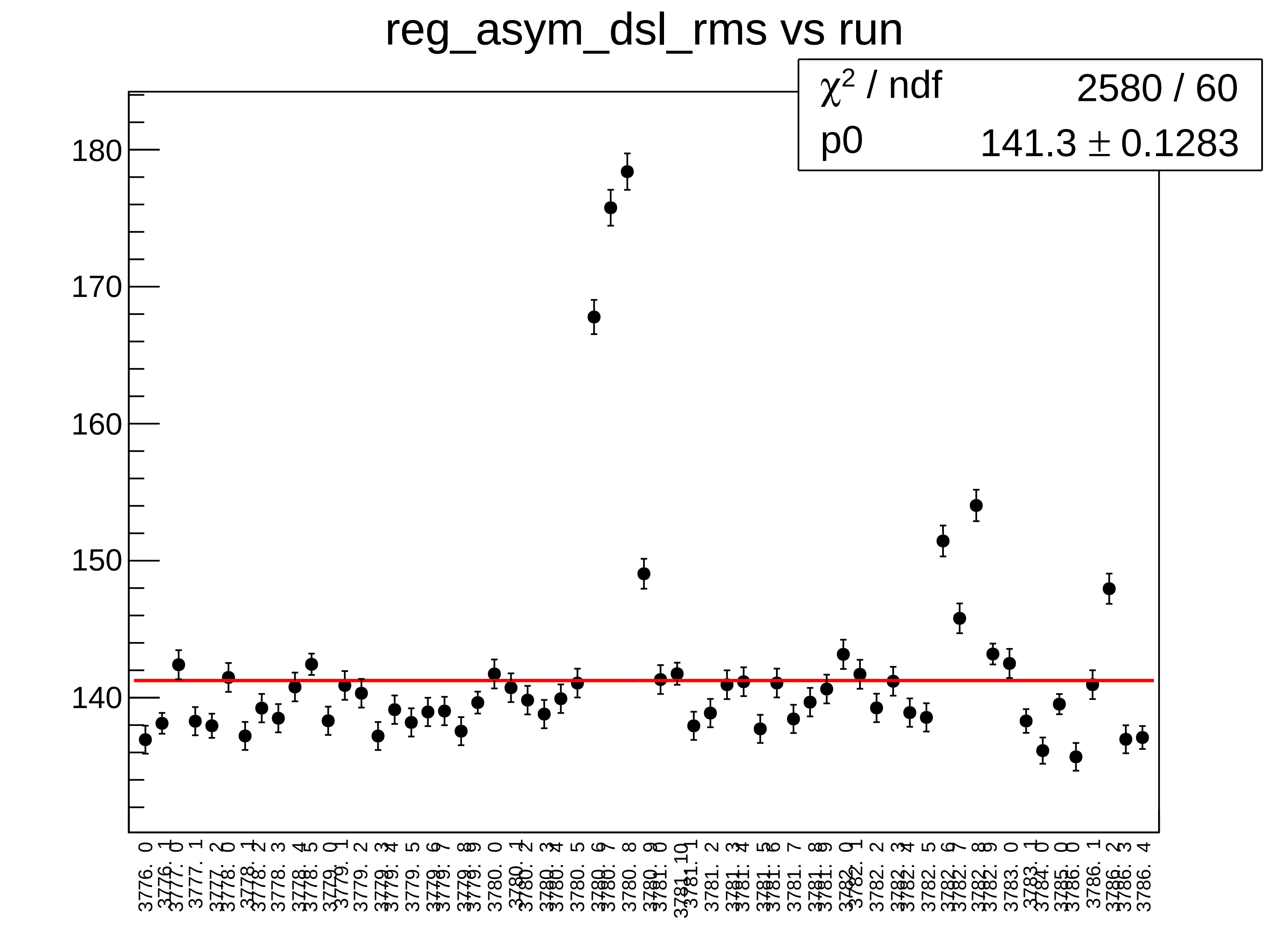
asym_usr_mean vs run
χ^2 / ndf 56.6 / 60
p0 −1028 ± 699.8
pull
Entries 61
Mean −16.36
Std Dev 53.91
pull1D
Entries 61
Mean −0.01025
Std Dev 0.9632

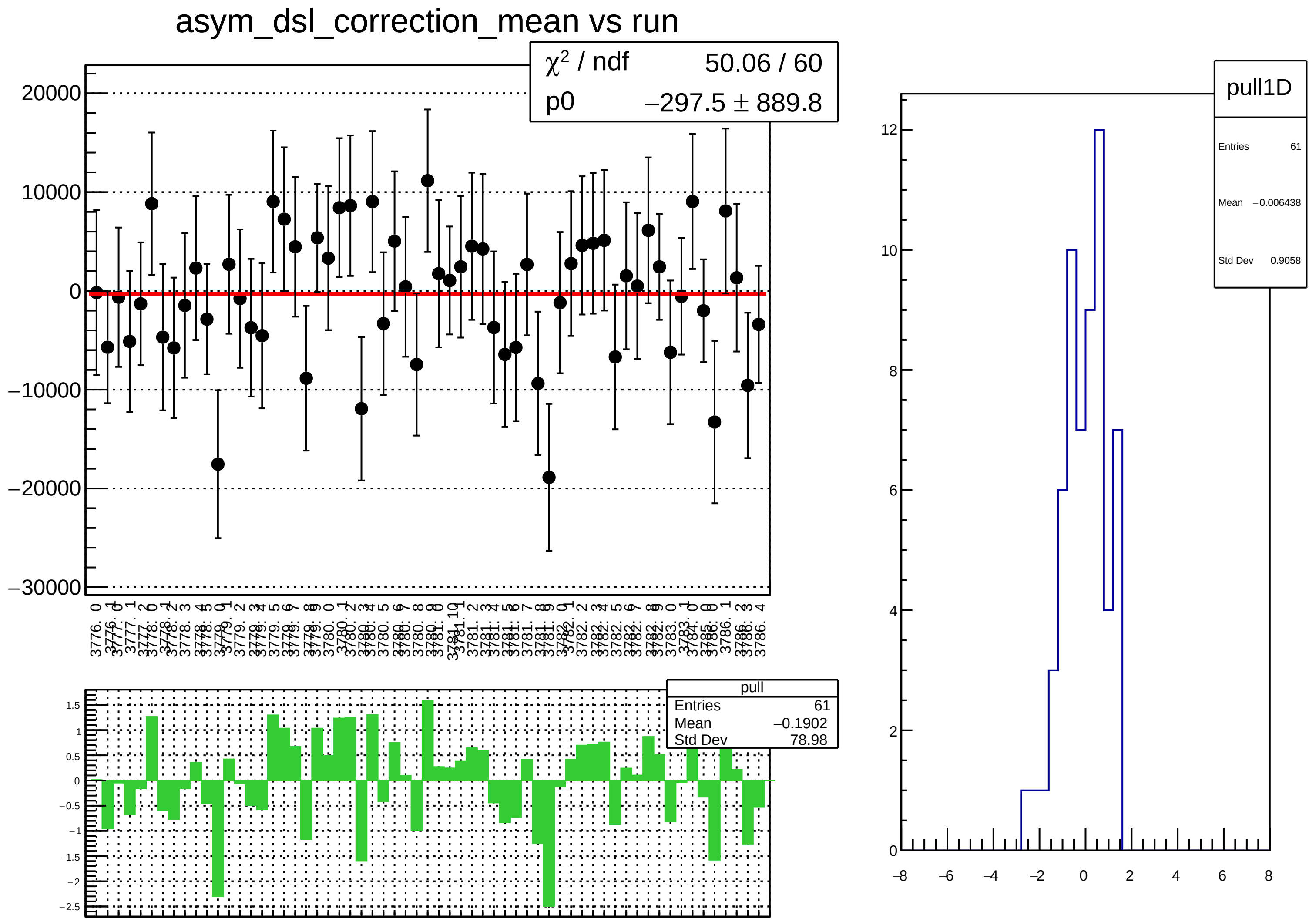


asym_usr_rms vs run
χ^2 / ndf 2394 / 60
p0 544.8 ± 0.4948
700
650
600
550
500

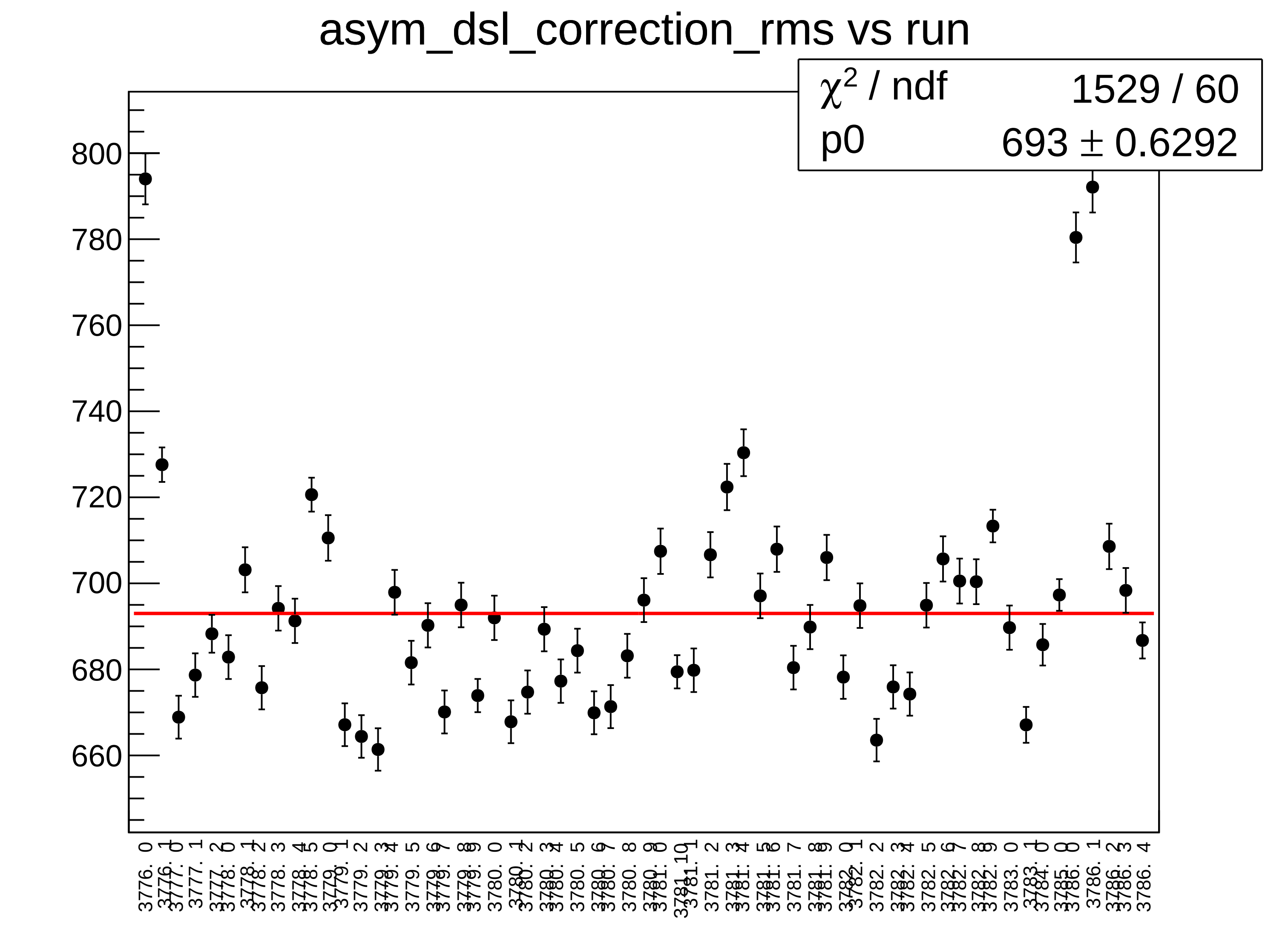


reg_asym_dsl_mean vs run
χ^2 / ndf 63.63 / 60
p0 −54.87 ± 181.4
pull
Entries 61
Mean −325.9
Std Dev 339.9
pull1D
Entries 61
Mean −0.006584
Std Dev 1.021

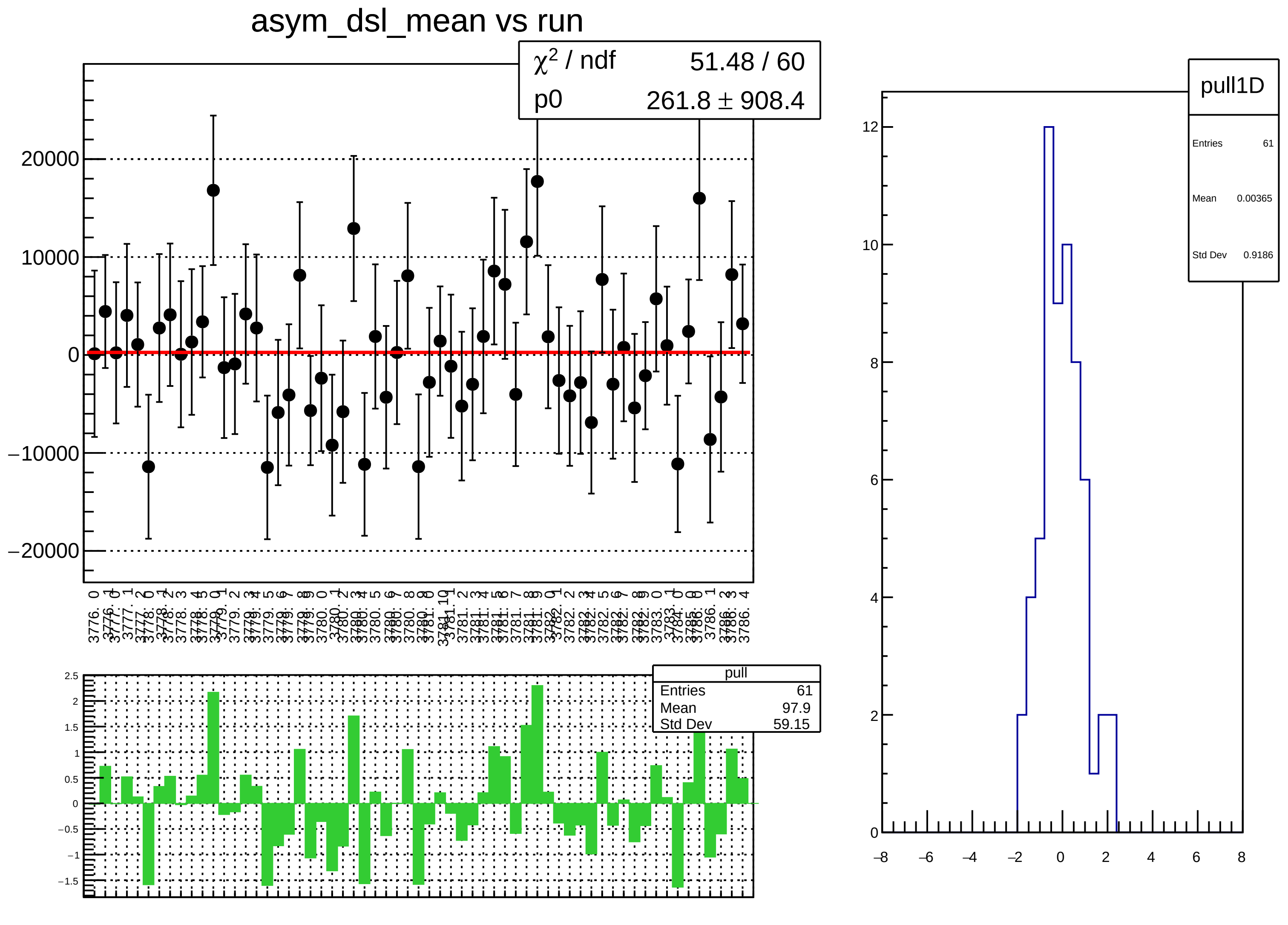

reg_asym_dsl_rms vs run
χ^2 / ndf 2580 / 60
p0 141.3 ± 0.1283
180
170
160
150
140

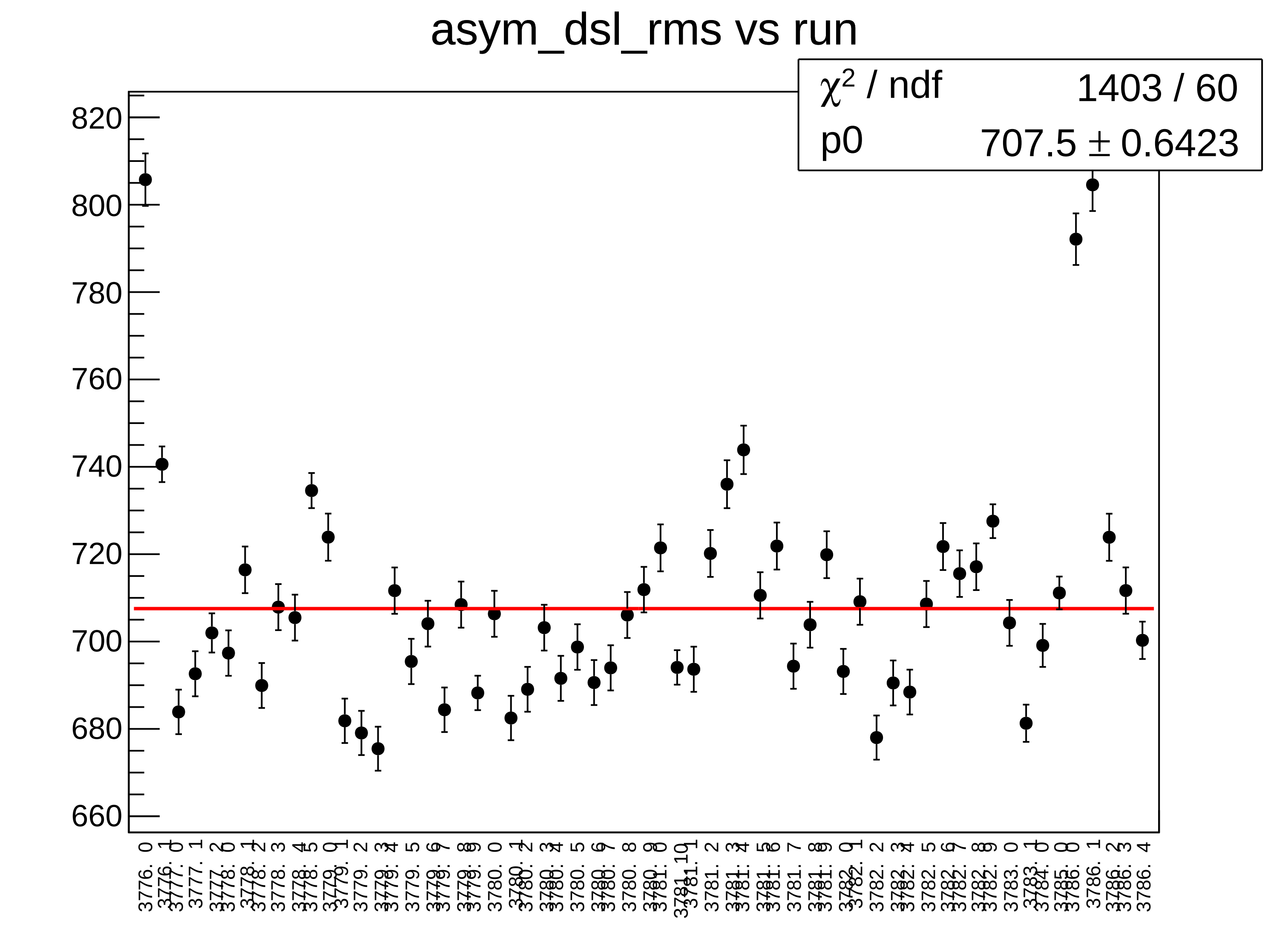


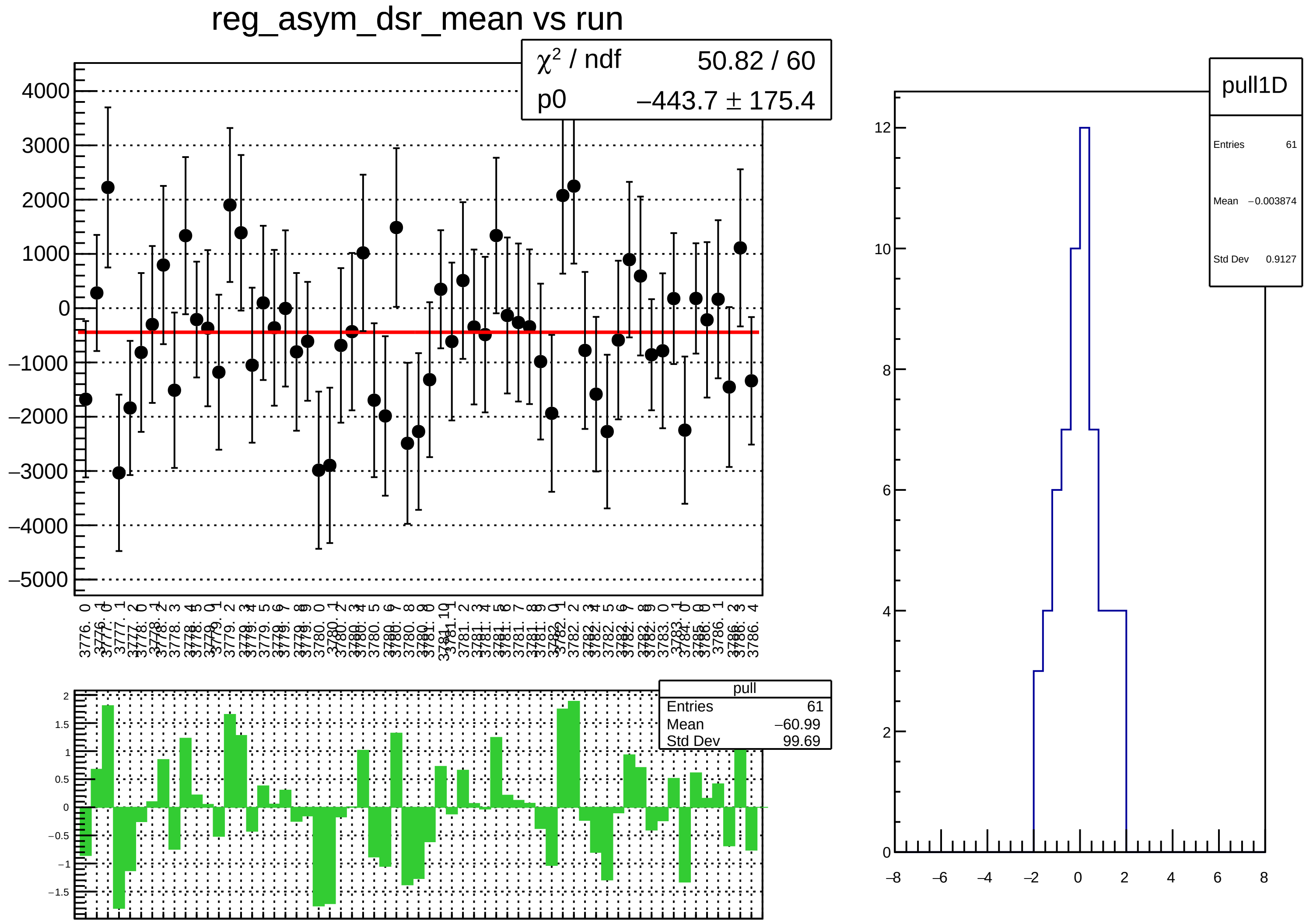
asym_dsl_correction_mean vs run
χ² / ndf 50.06 / 60
p0 −297.5 ± 889.8
pull
Entries 61
Mean −0.1902
Std Dev 78.98
pull1D
Entries 61
Mean −0.006438
Std Dev 0.9058

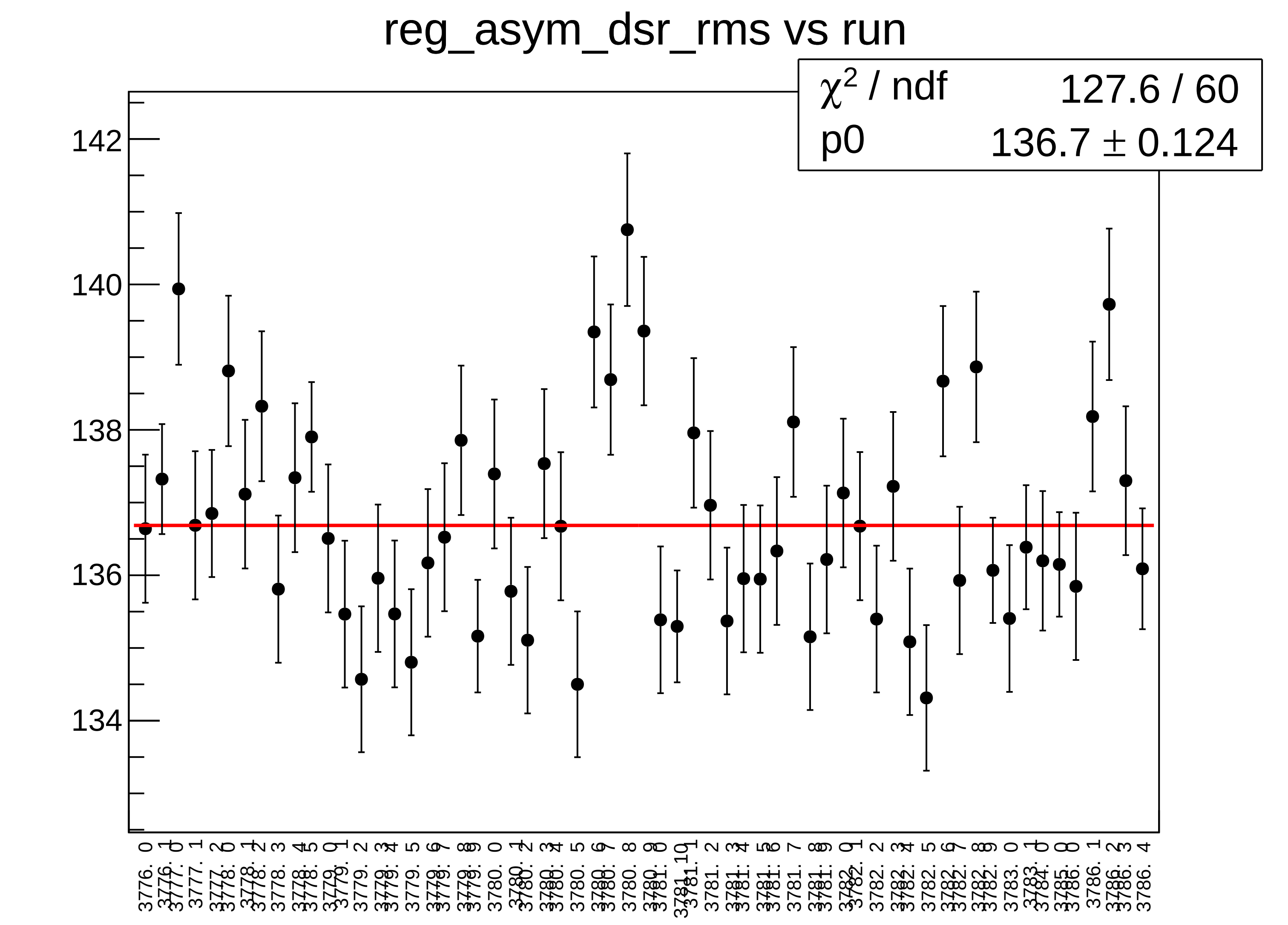


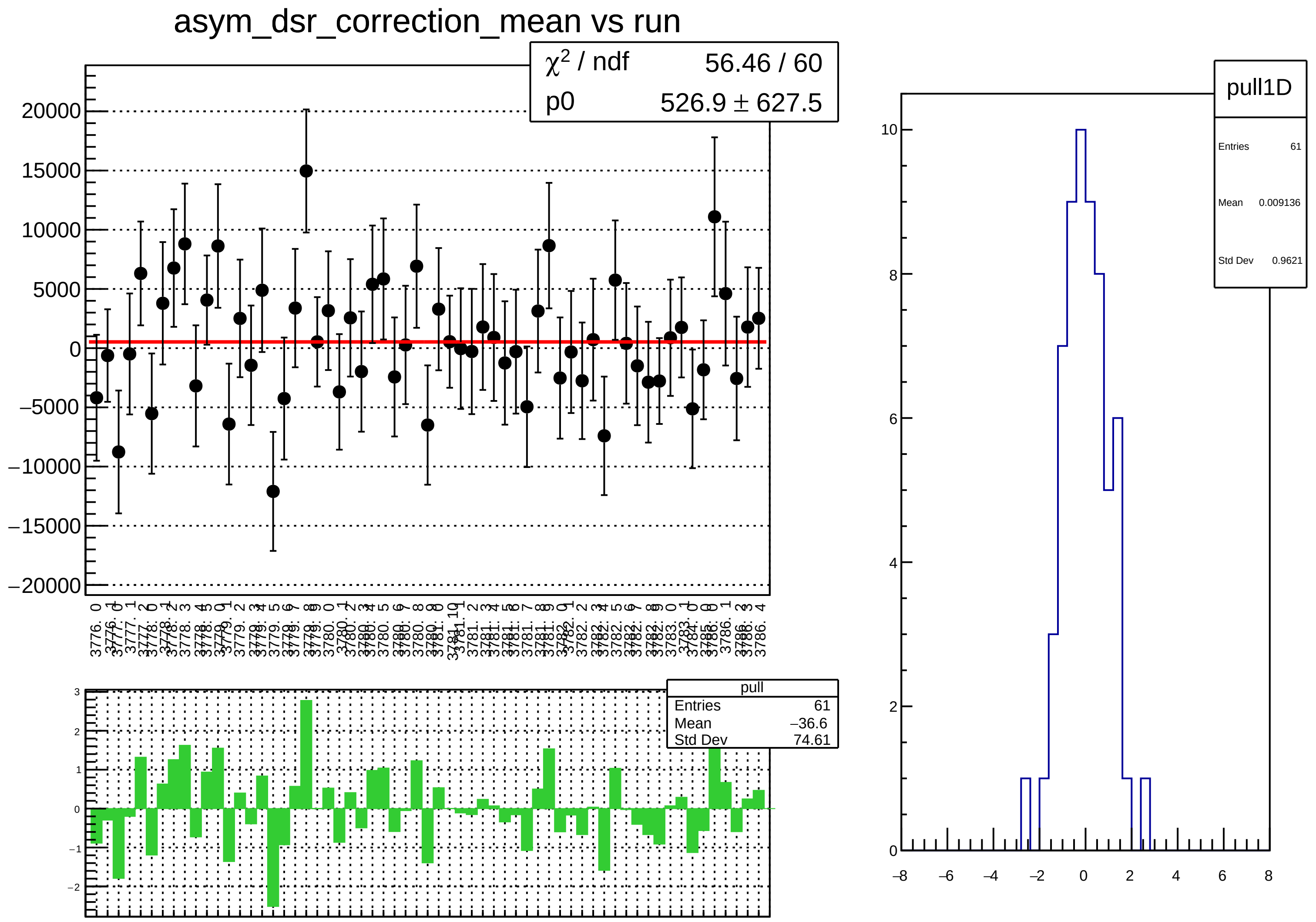
asym_dsl_correction_rms vs run
χ^2 / ndf 1529 / 60
p0 693 ± 0.6292
800
780
760
740
720
700
680
660


asym_dsl_mean vs run
χ^2 / ndf 51.48 / 60
p0 261.8 ± 908.4
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 97.9
Std Dev 59.15
pull1D
Entries 61
Mean 0.00365
Std Dev 0.9186
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8

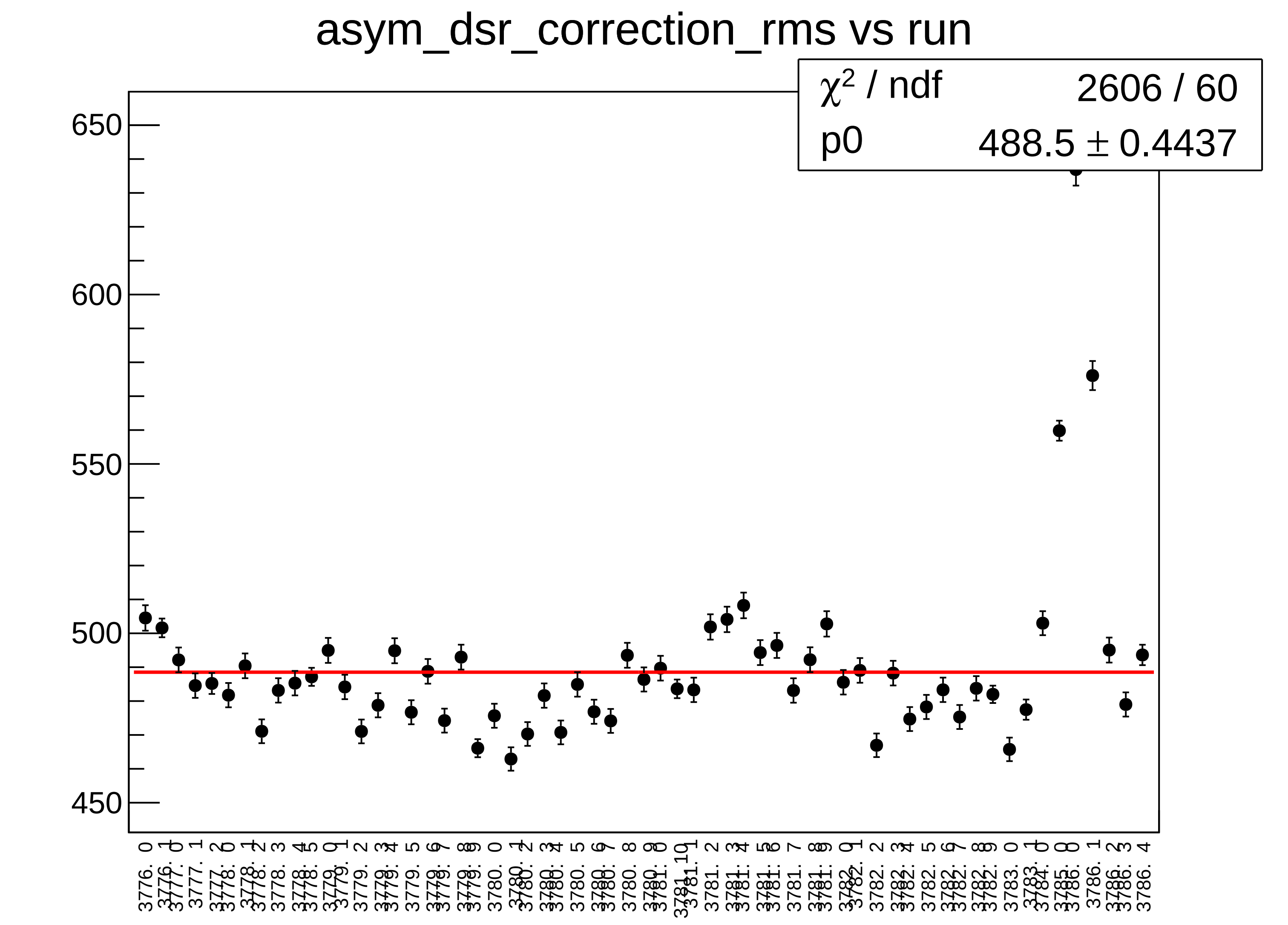

asym_dsl_rms vs run
χ^2 / ndf 1403 / 60
p0 707.5 ± 0.6423
820
800
780
760
740
720
700
680
660

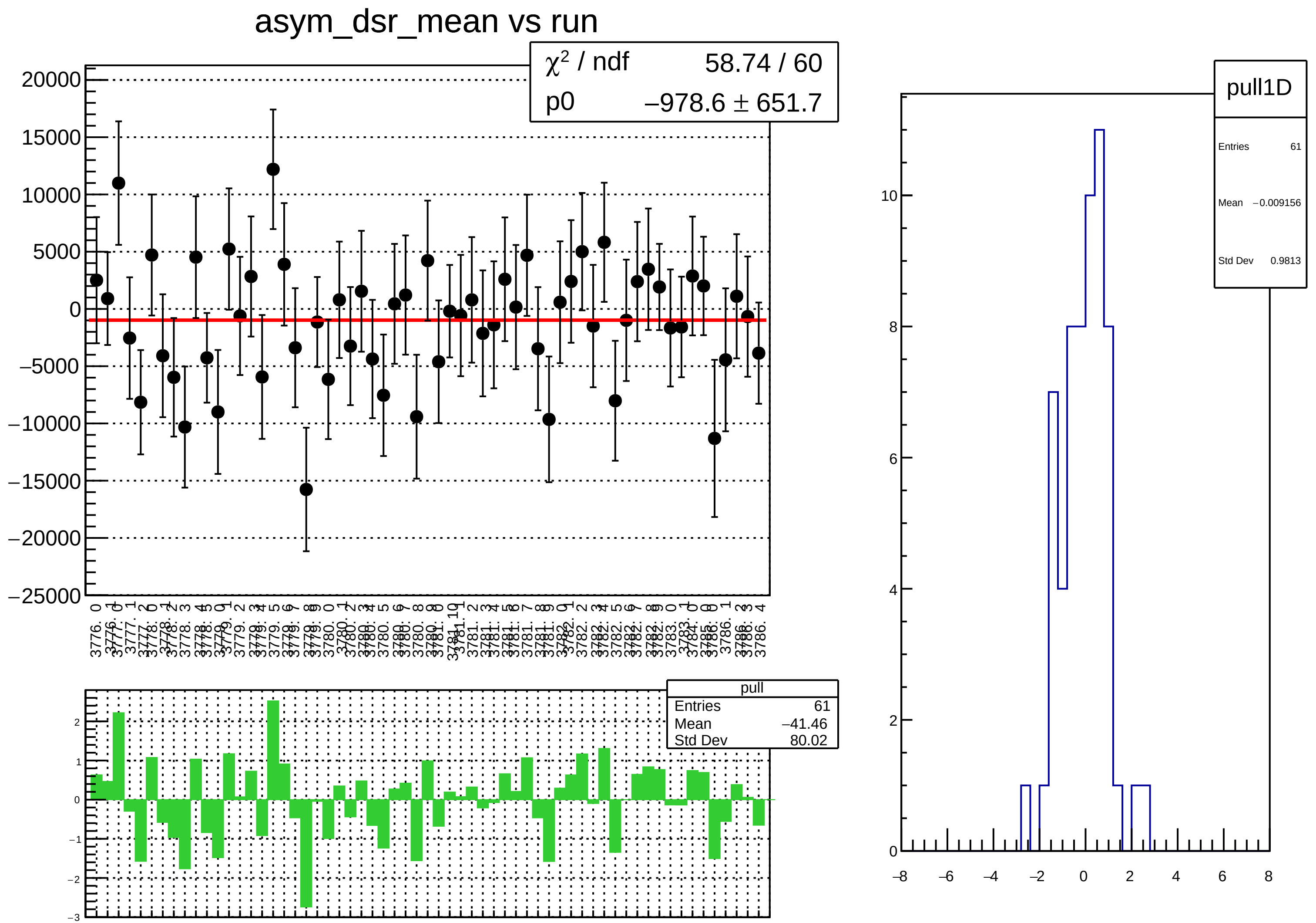

reg_asym_dsr_mean vs run
χ² / ndf 50.82 / 60
p0 −443.7 ± 175.4
pull
Entries 61
Mean −60.99
Std Dev 99.69
pull1D
Entries 61
Mean −0.003874
Std Dev 0.9127

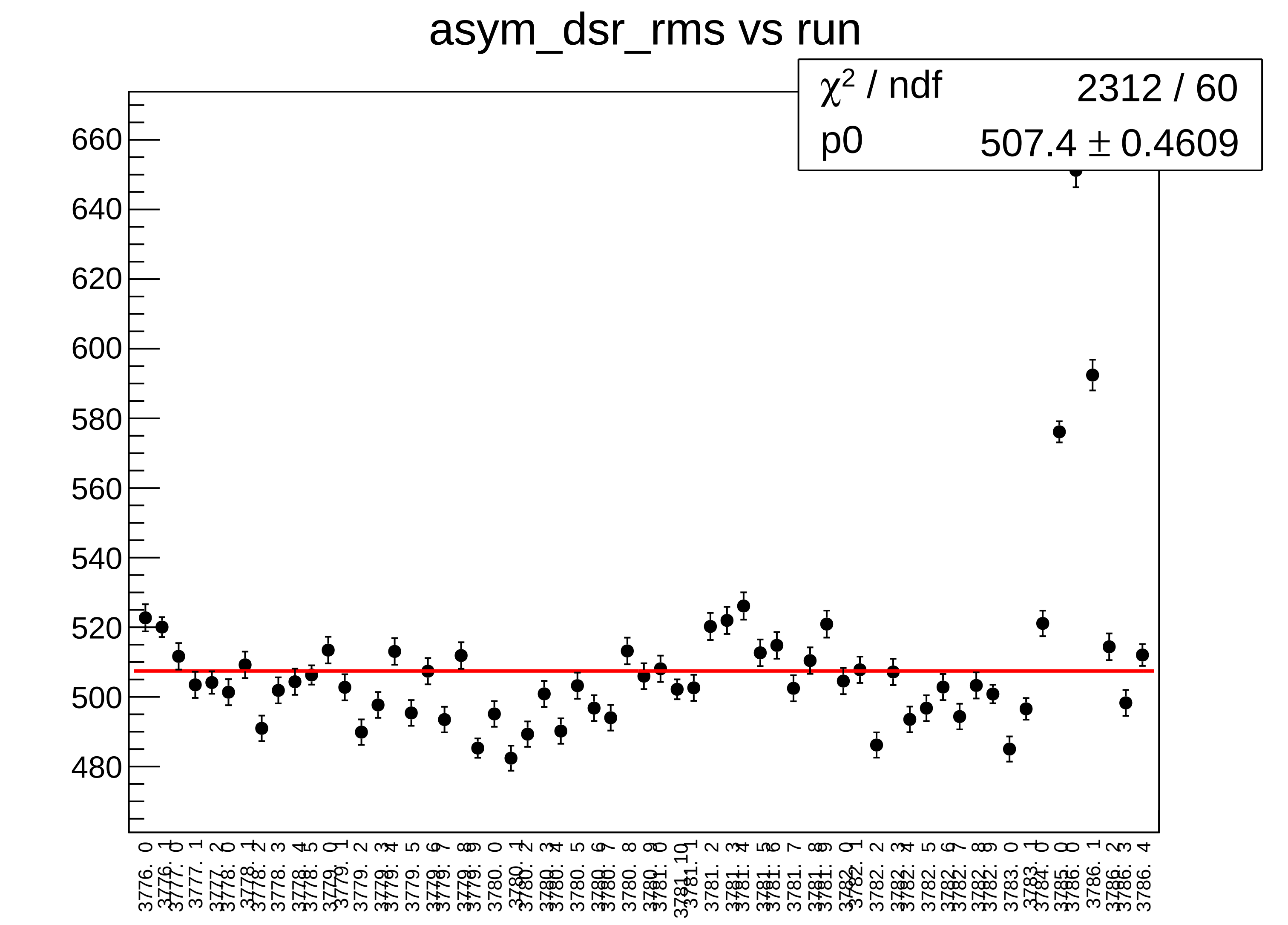

reg_asym_dsr_rms vs run
χ2 / ndf 127.6 / 60
p0 136.7 ± 0.124
142
140
138
136
134



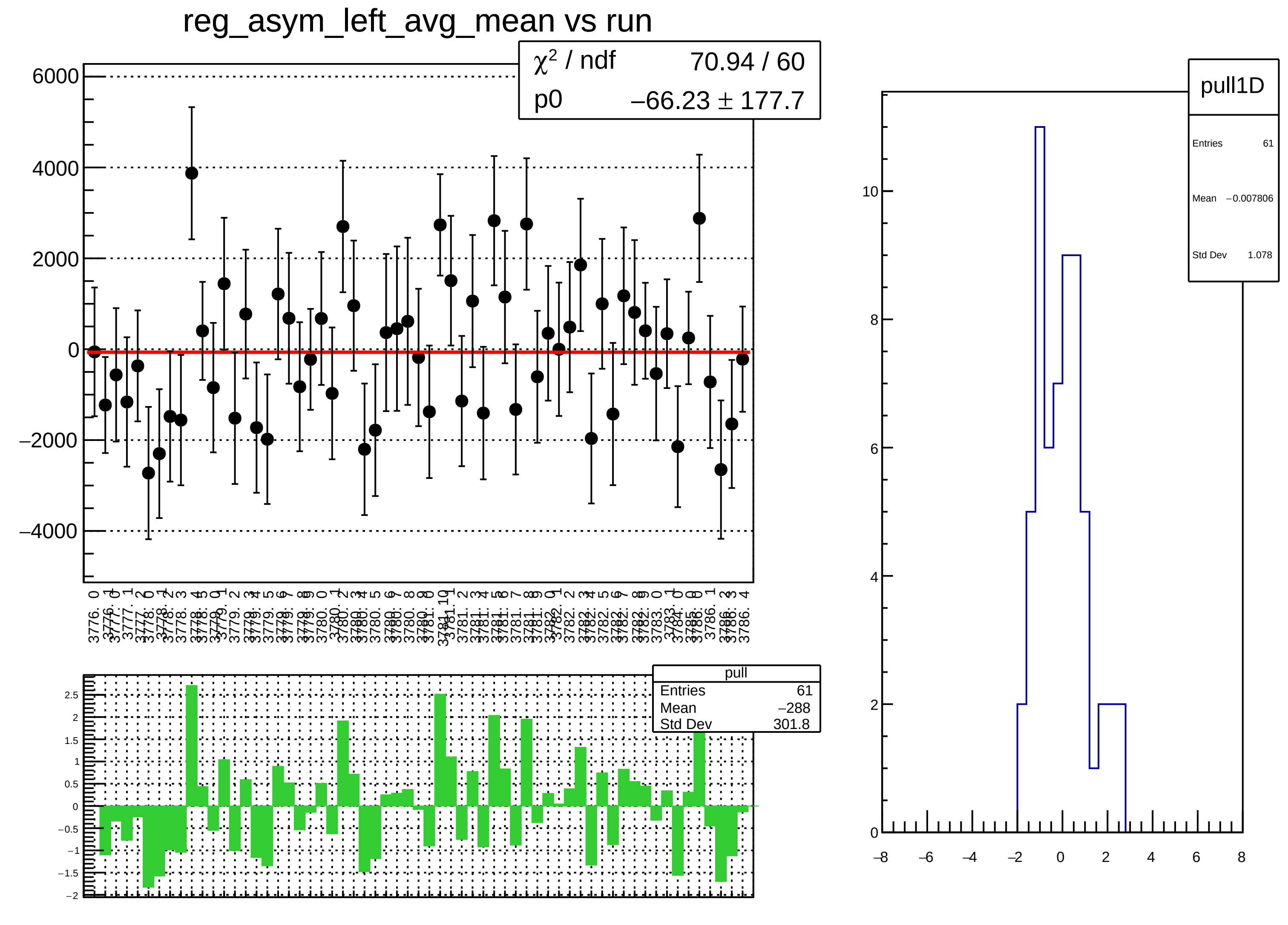
asym_dsr_correction_mean vs run
χ^2 / ndf 56.46 / 60
p0 526.9 ± 627.5
pull
Entries 61
Mean −36.6
Std Dev 74.61
pull1D
Entries 61
Mean 0.009136
Std Dev 0.9621

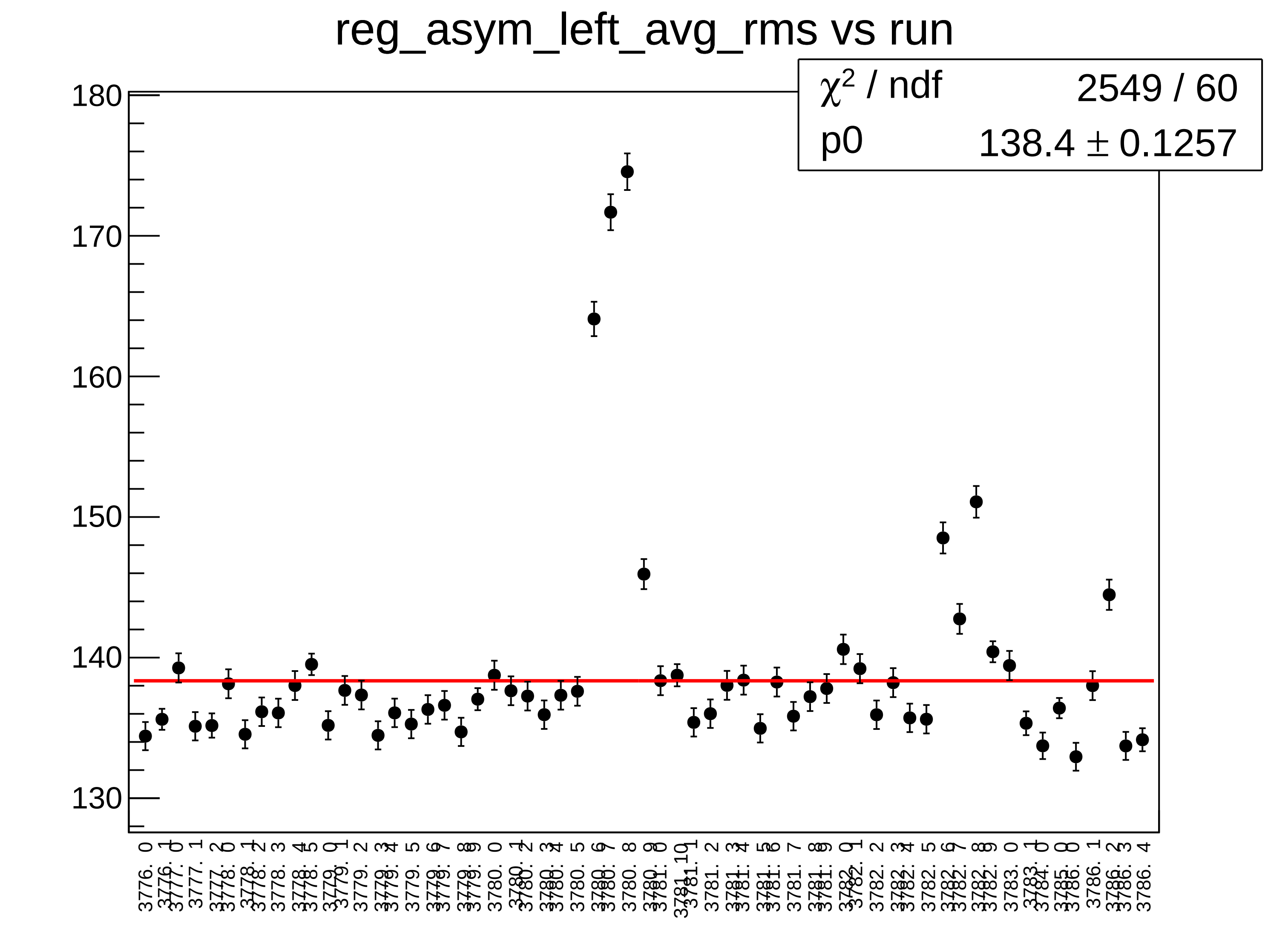

asym_dsr_correction_rms vs run
χ2 / ndf 2606 / 60
p0 488.5 ± 0.4437
650
600
550
500
450


asym_dsr_mean vs run
χ2 / ndf 58.74 / 60
p0 −978.6 ± 651.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 61
Mean −41.46
Std Dev 80.02
2
1
0
−1
−2
−3
pull1D
Entries 61
Mean −0.009156
Std Dev 0.9813
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

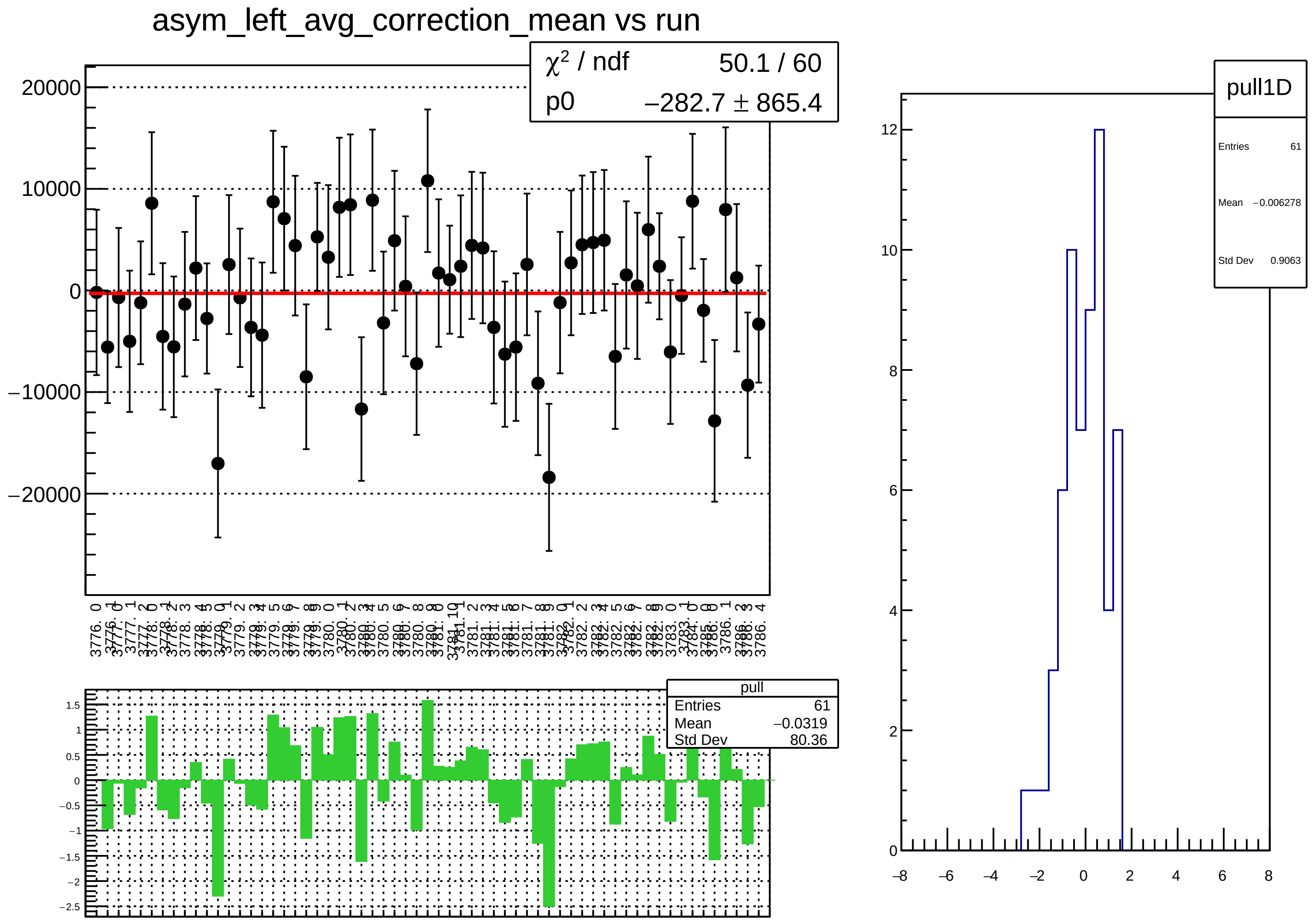


asym_dsr_rms vs run
χ^2 / ndf 2312 / 60
p0 507.4 ± 0.4609
660
640
620
600
580
560
540
520
500
480

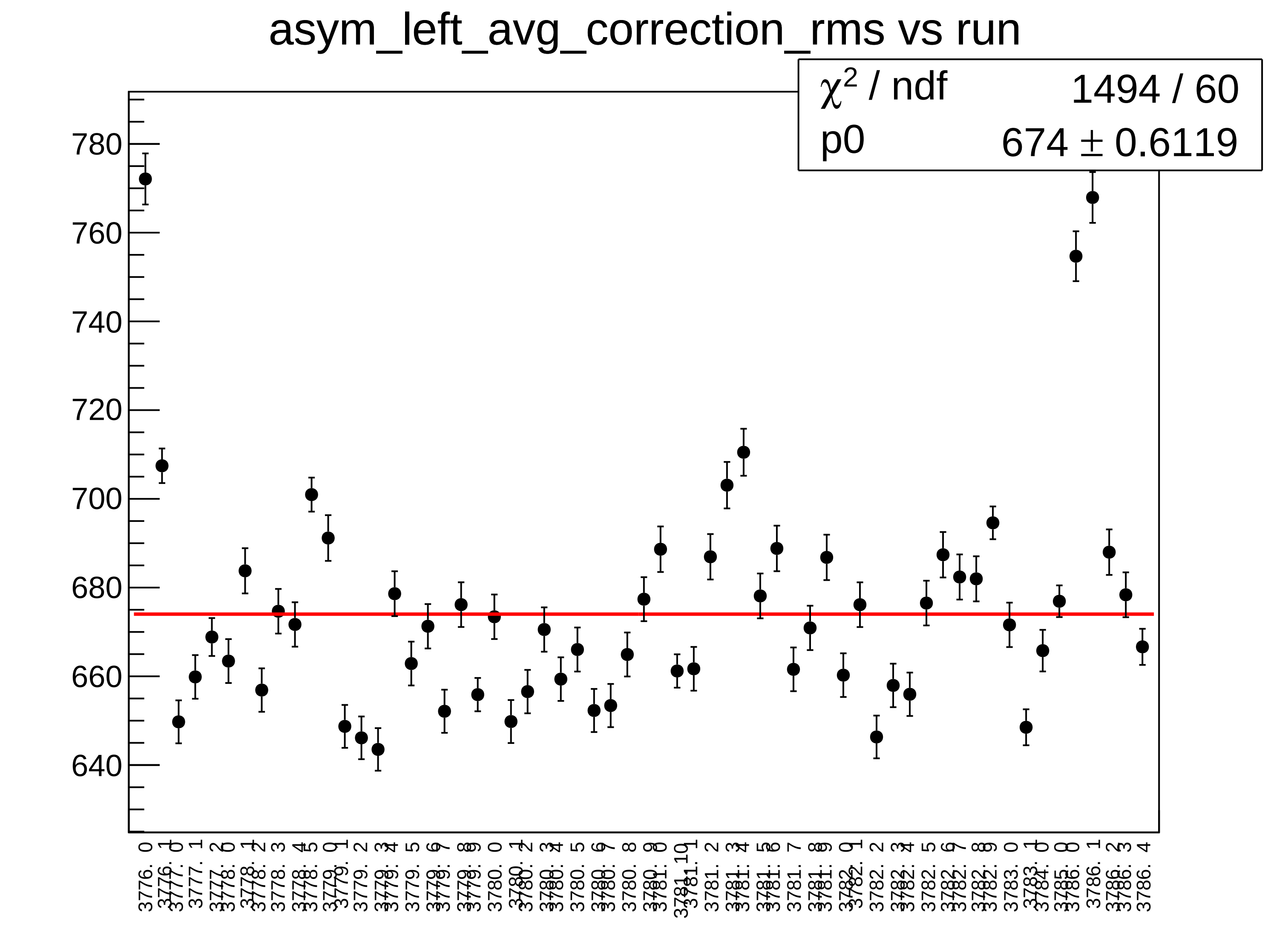

reg_asym_left_avg_mean vs run
χ2 / ndf 70.94 / 60
p0 −66.23 ± 177.7
pull
Entries 61
Mean −288
Std Dev 301.8
pull1D
Entries 61
Mean −0.007806
Std Dev 1.078



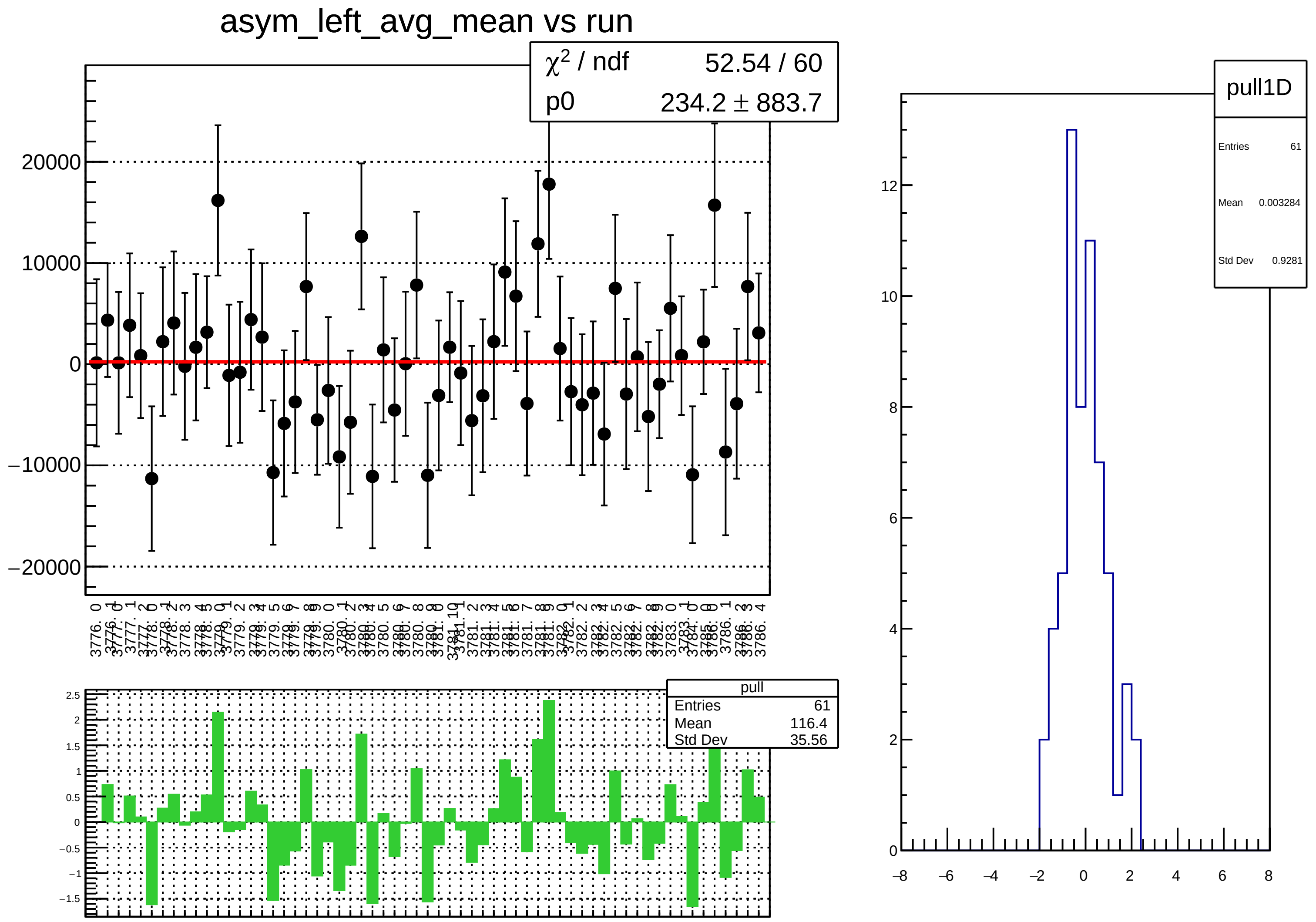
reg_asym_left_avg_rms vs run
χ2 / ndf 2549 / 60
p0 138.4 ± 0.1257



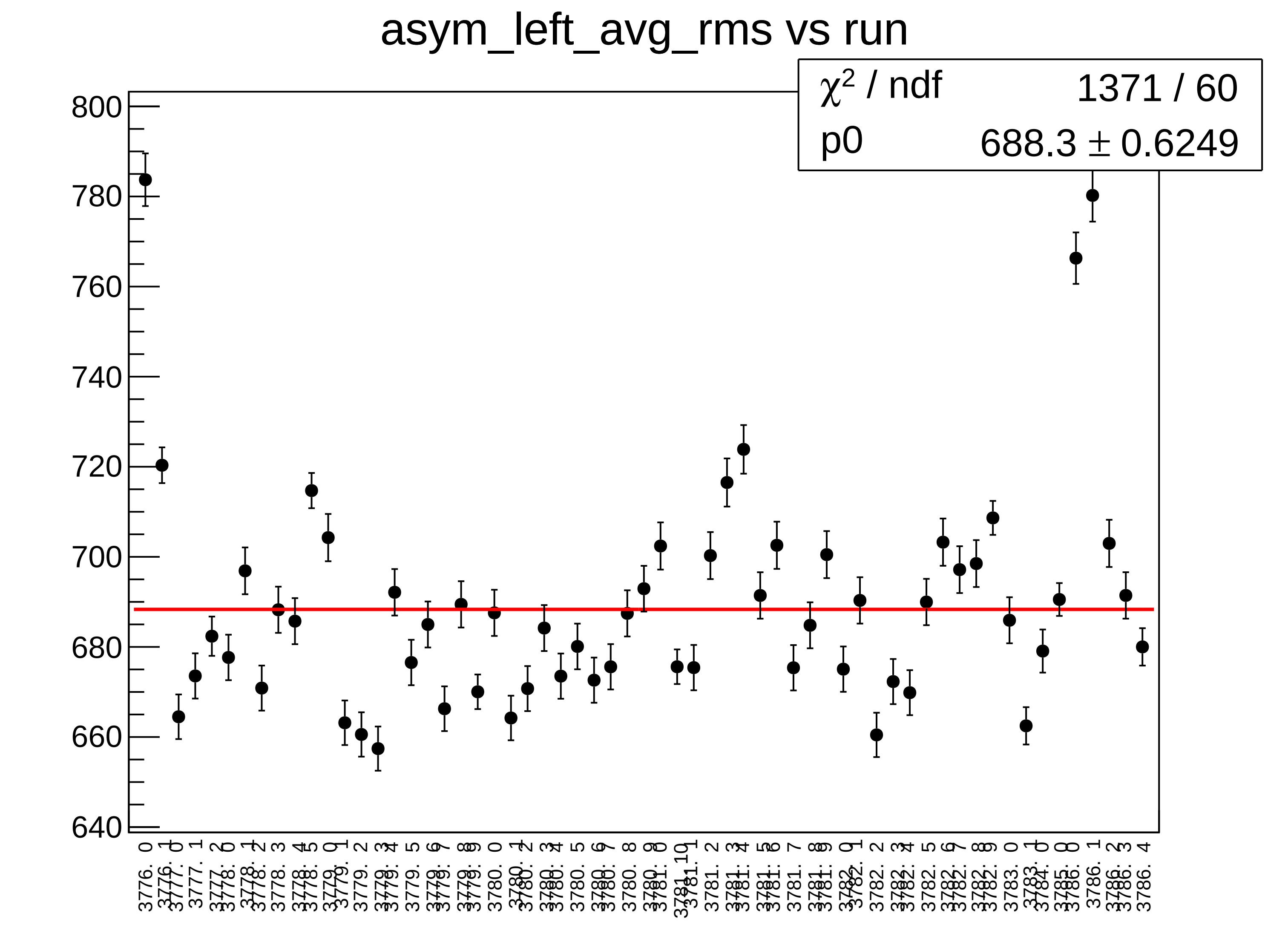
asym_left_avg_correction_mean vs run
χ^2 / ndf 50.1 / 60
p0 −282.7 ± 865.4
pull
Entries 61
Mean −0.0319
Std Dev 80.36
pull1D
Entries 61
Mean −0.006278
Std Dev 0.9063

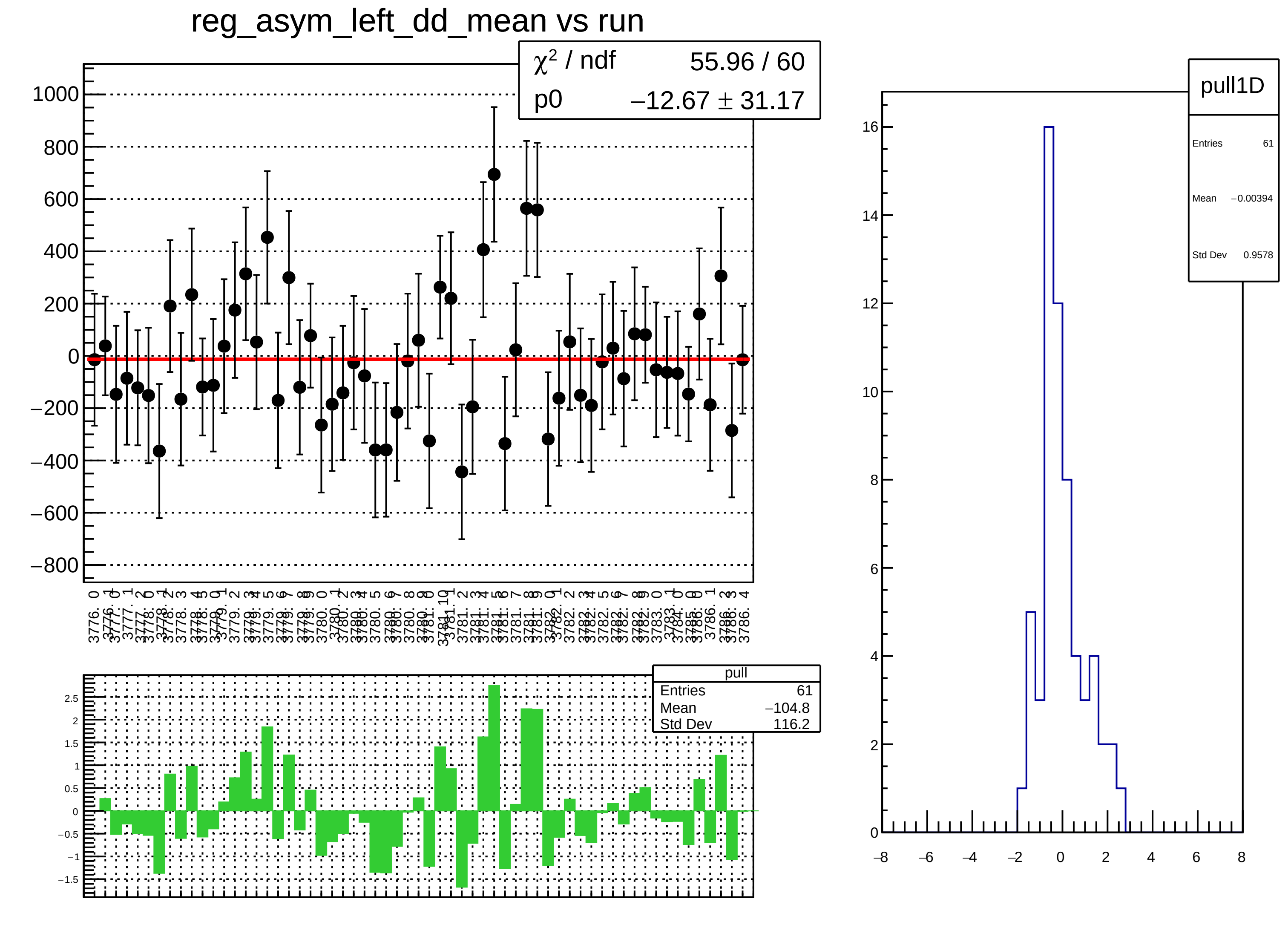


asym_left_avg_correction_rms vs run
χ^2 / ndf 1494 / 60
p0 674 ± 0.6119
780
760
740
720
700
680
660
640

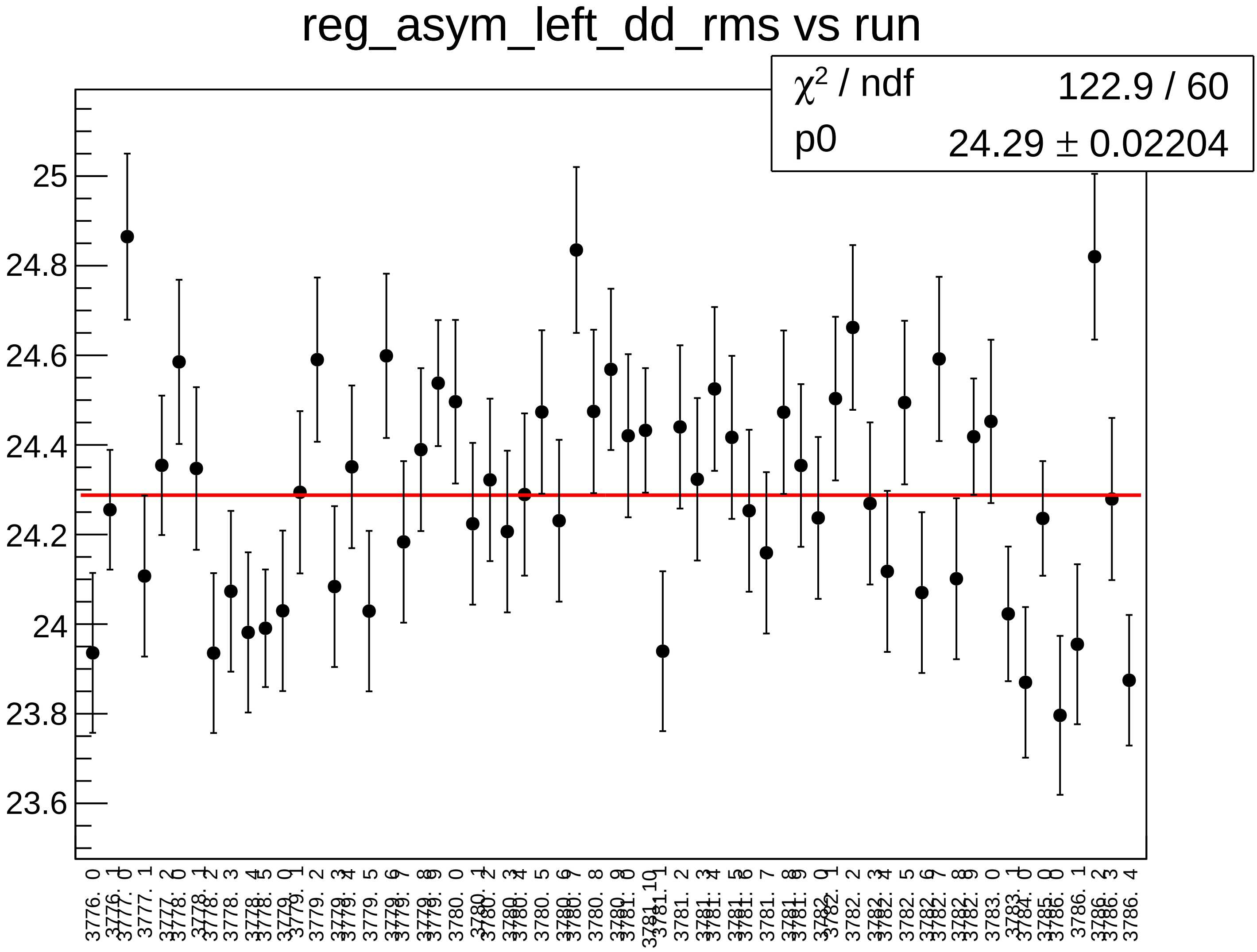


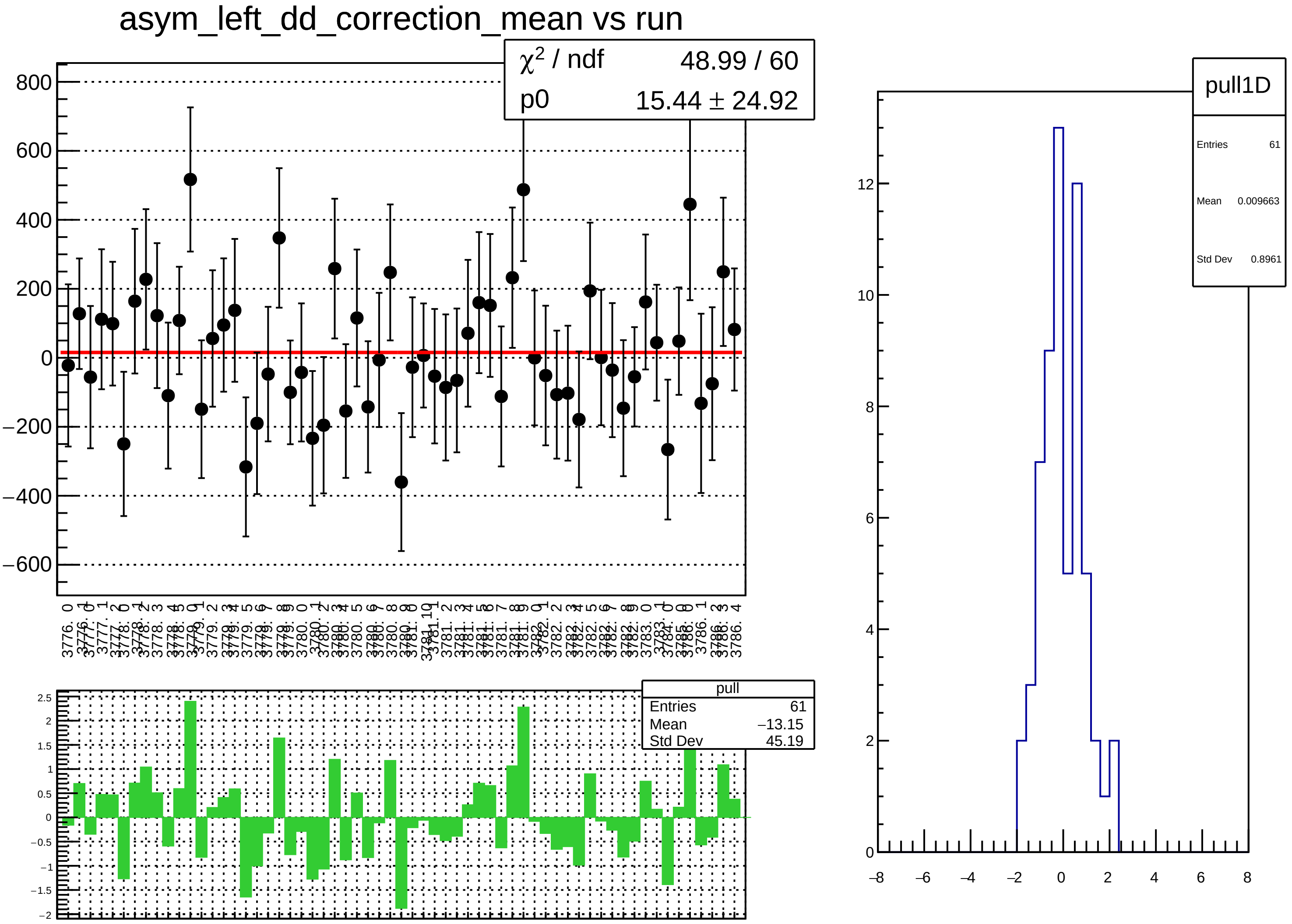
asym_left_avg_mean vs run
χ^2 / ndf 52.54 / 60
p0 234.2 ± 883.7
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 116.4
Std Dev 35.56
pull1D
Entries 61
Mean 0.003284
Std Dev 0.9281


asym_left_avg_rms vs run
χ^2 / ndf 1371 / 60
p0 688.3 ± 0.6249
800
780
760
740
720
700
680
660
640

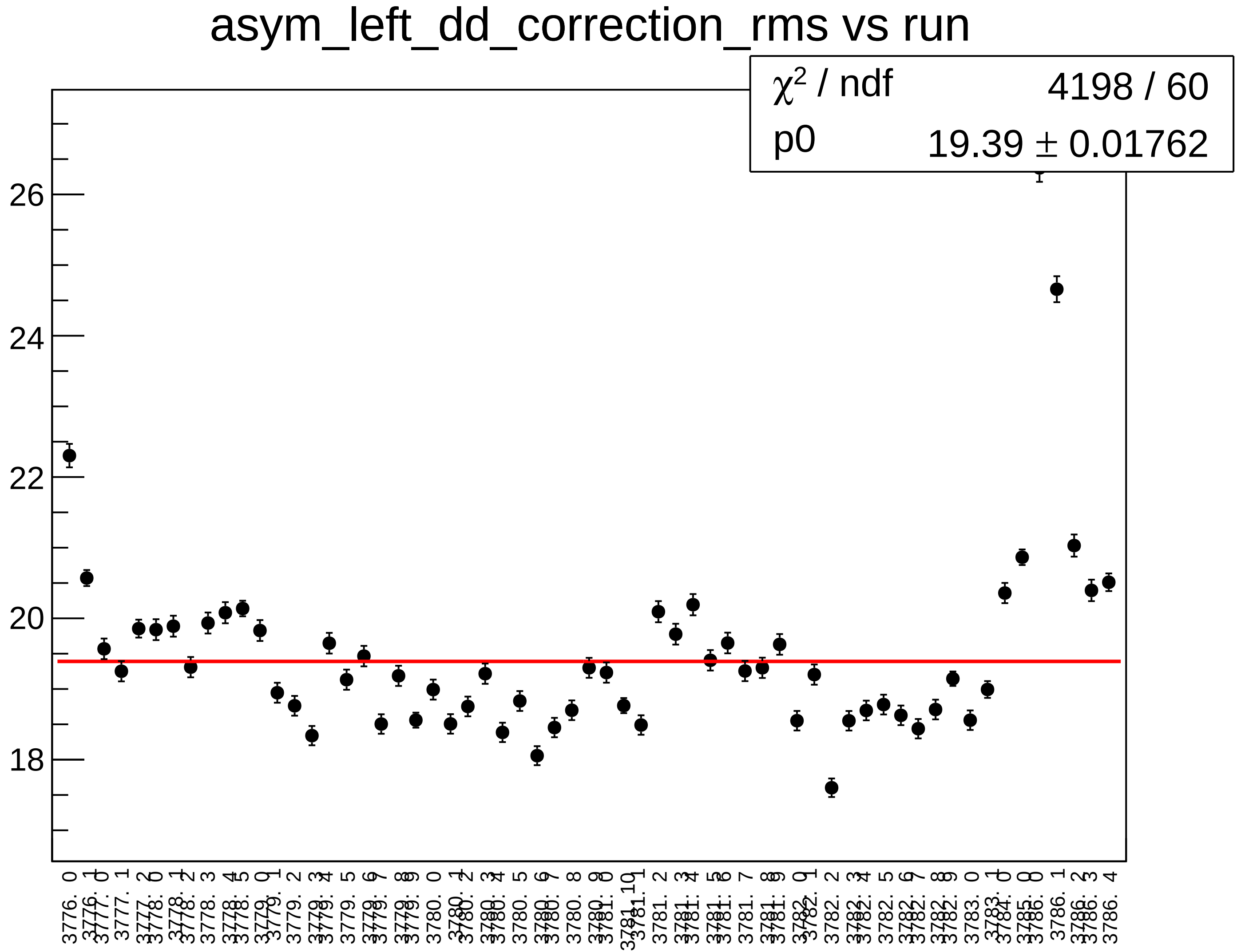


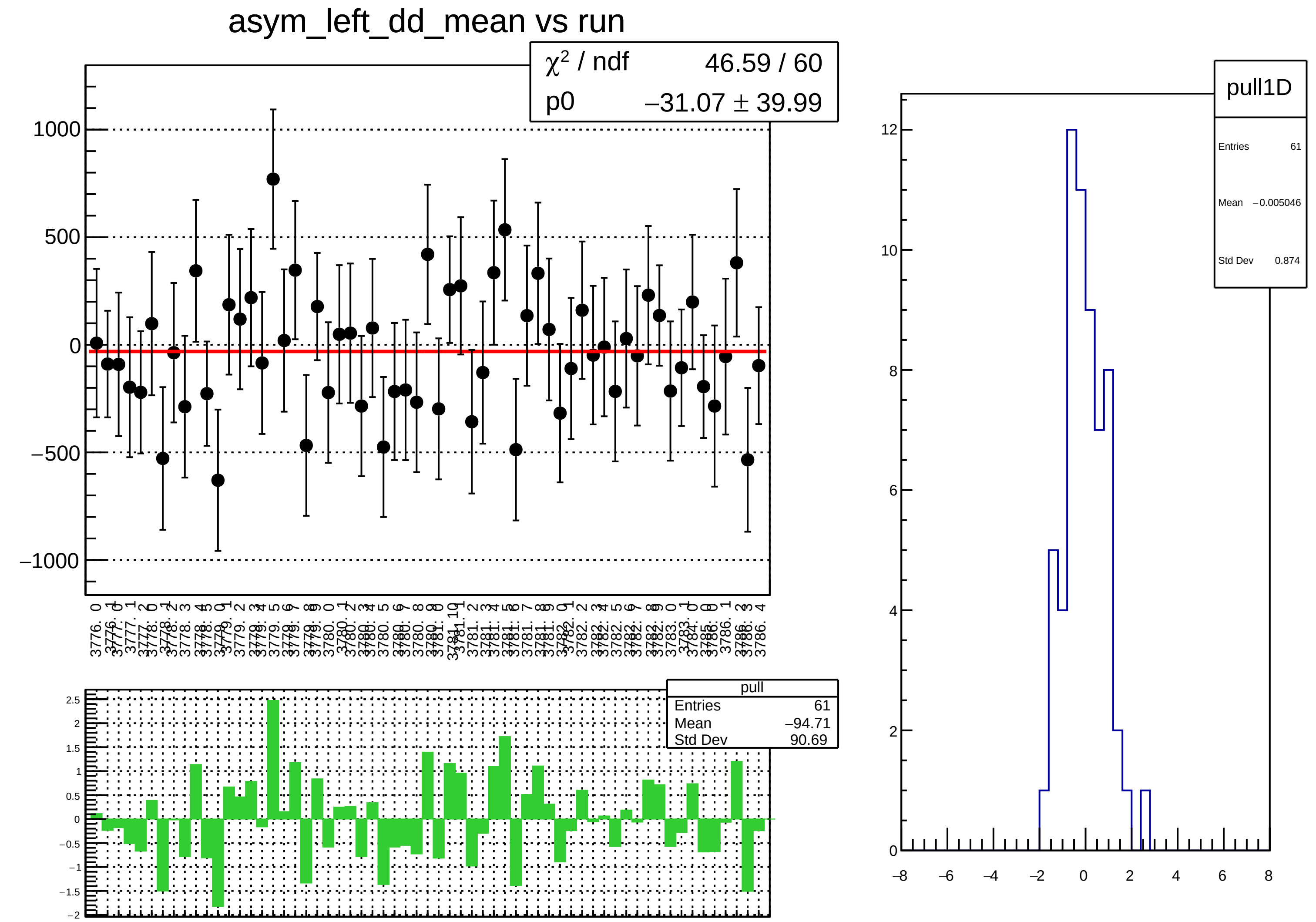
reg_asym_left_dd_mean vs run
χ2 / ndf 55.96 / 60
p0 −12.67 ± 31.17
pull
Entries 61
Mean −104.8
Std Dev 116.2
pull1D
Entries 61
Mean −0.00394
Std Dev 0.9578


reg_asym_left_dd_rms vs run
χ^2 / ndf 122.9 / 60
p0 24.29 ± 0.02204

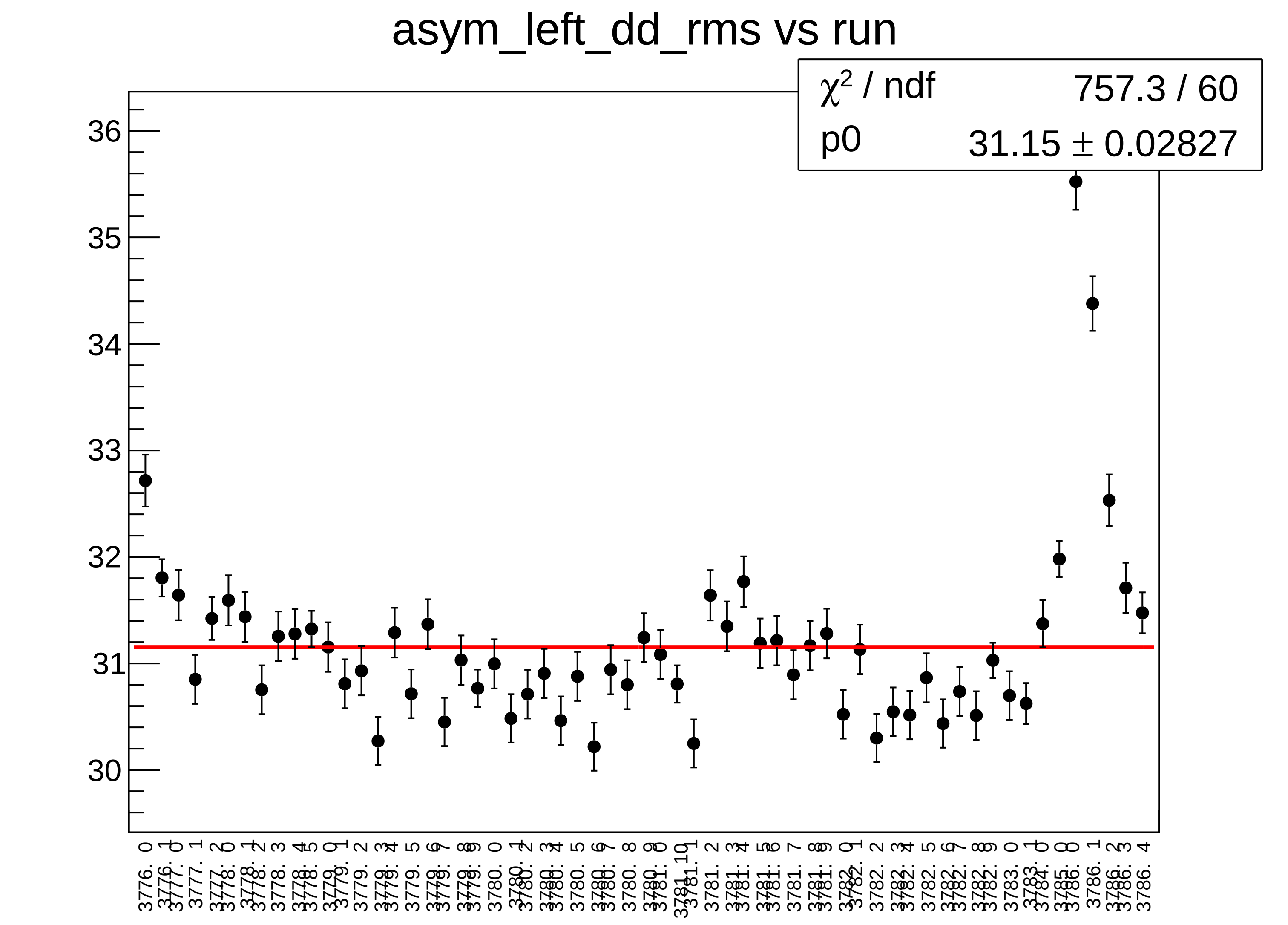


asym_left_dd_correction_mean vs run
χ^2 / ndf 48.99 / 60
p0 15.44 ± 24.92
pull
Entries 61
Mean −13.15
Std Dev 45.19
pull1D
Entries 61
Mean 0.009663
Std Dev 0.8961

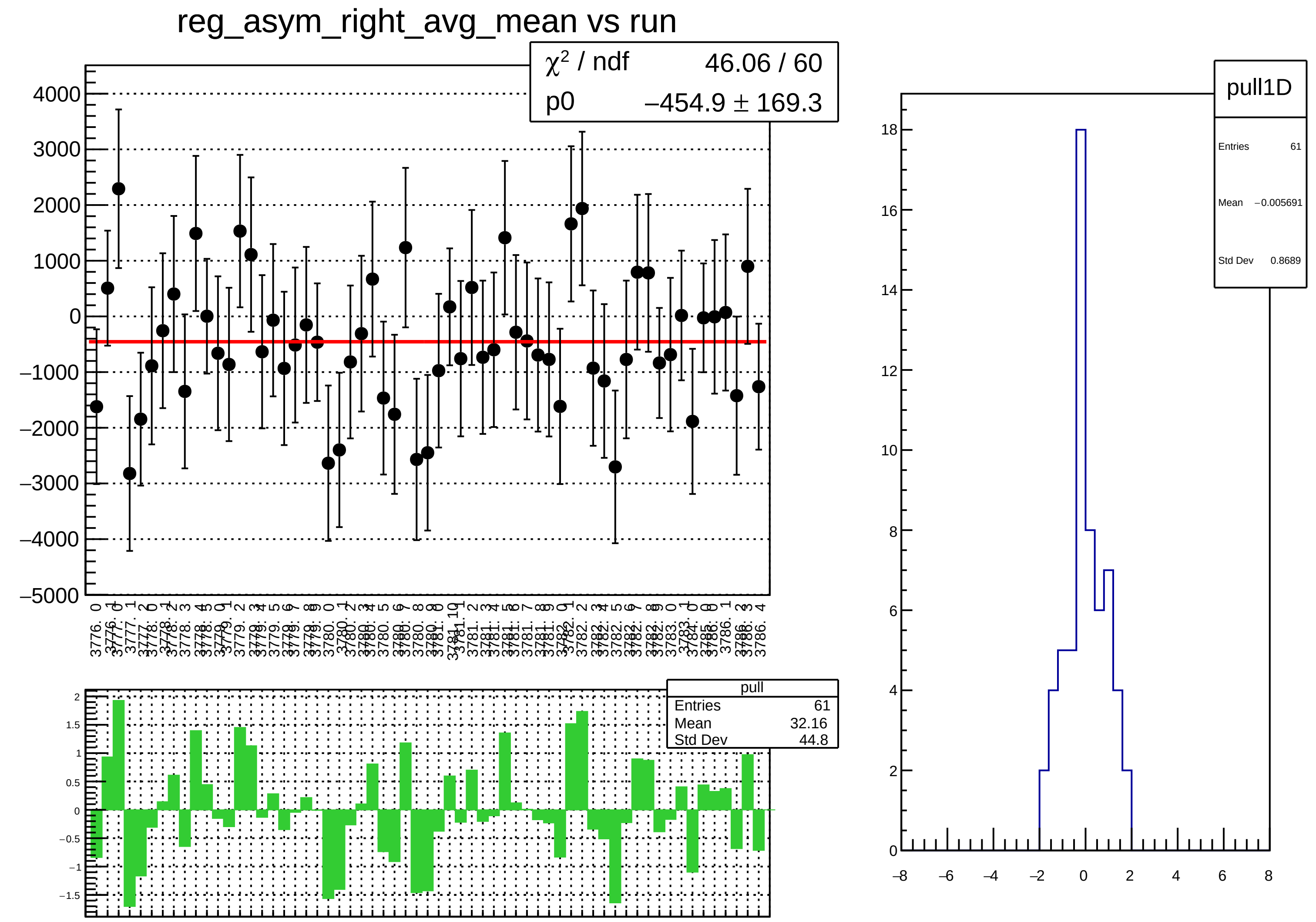

asym_left_dd_correction_rms vs run
χ^2 / ndf 4198 / 60
p0 19.39 ± 0.01762



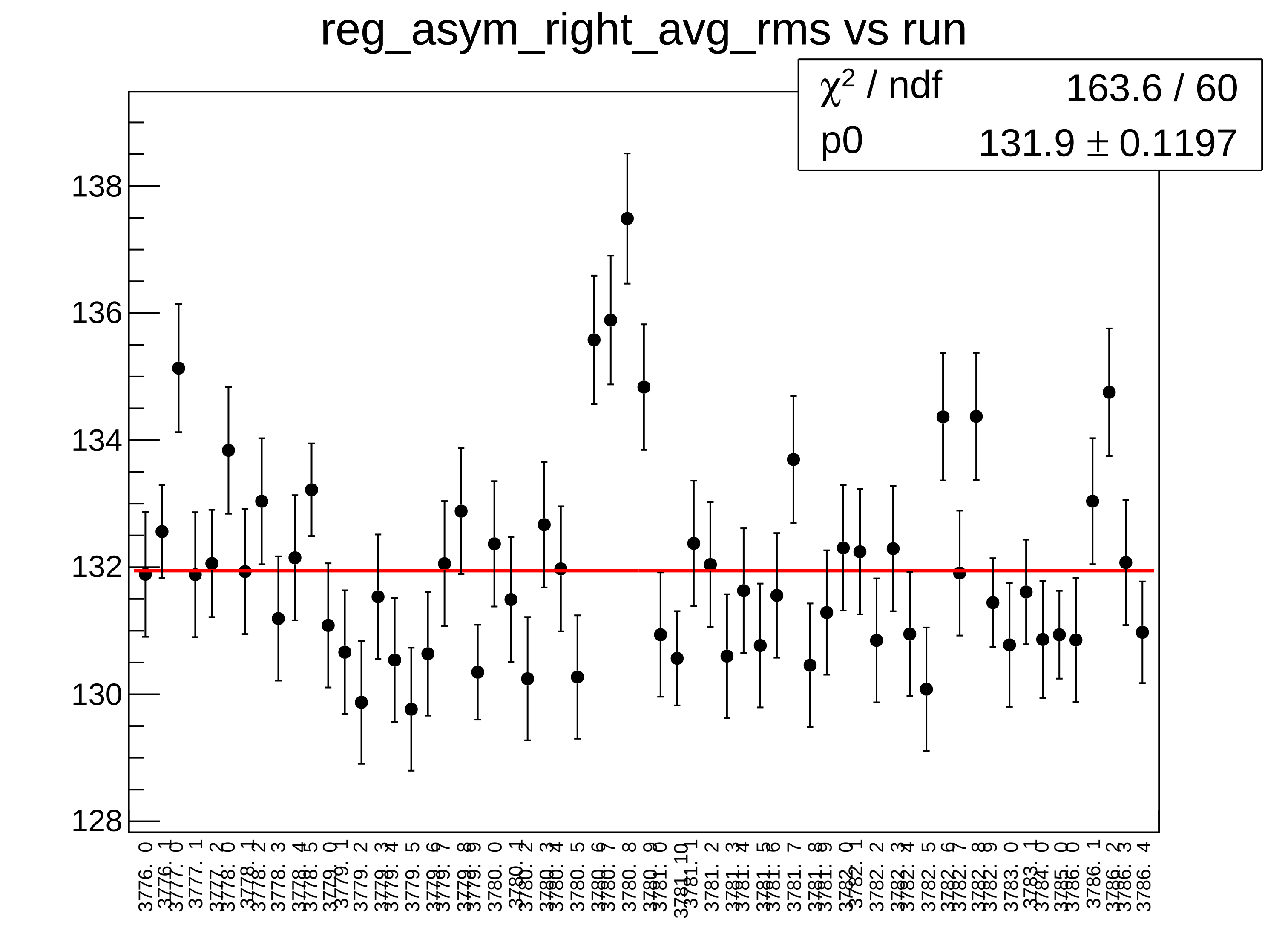
asym_left_dd_mean vs run
χ2 / ndf 46.59 / 60
p0 −31.07 ± 39.99
pull
Entries 61
Mean −94.71
Std Dev 90.69
pull1D
Entries 61
Mean −0.005046
Std Dev 0.874



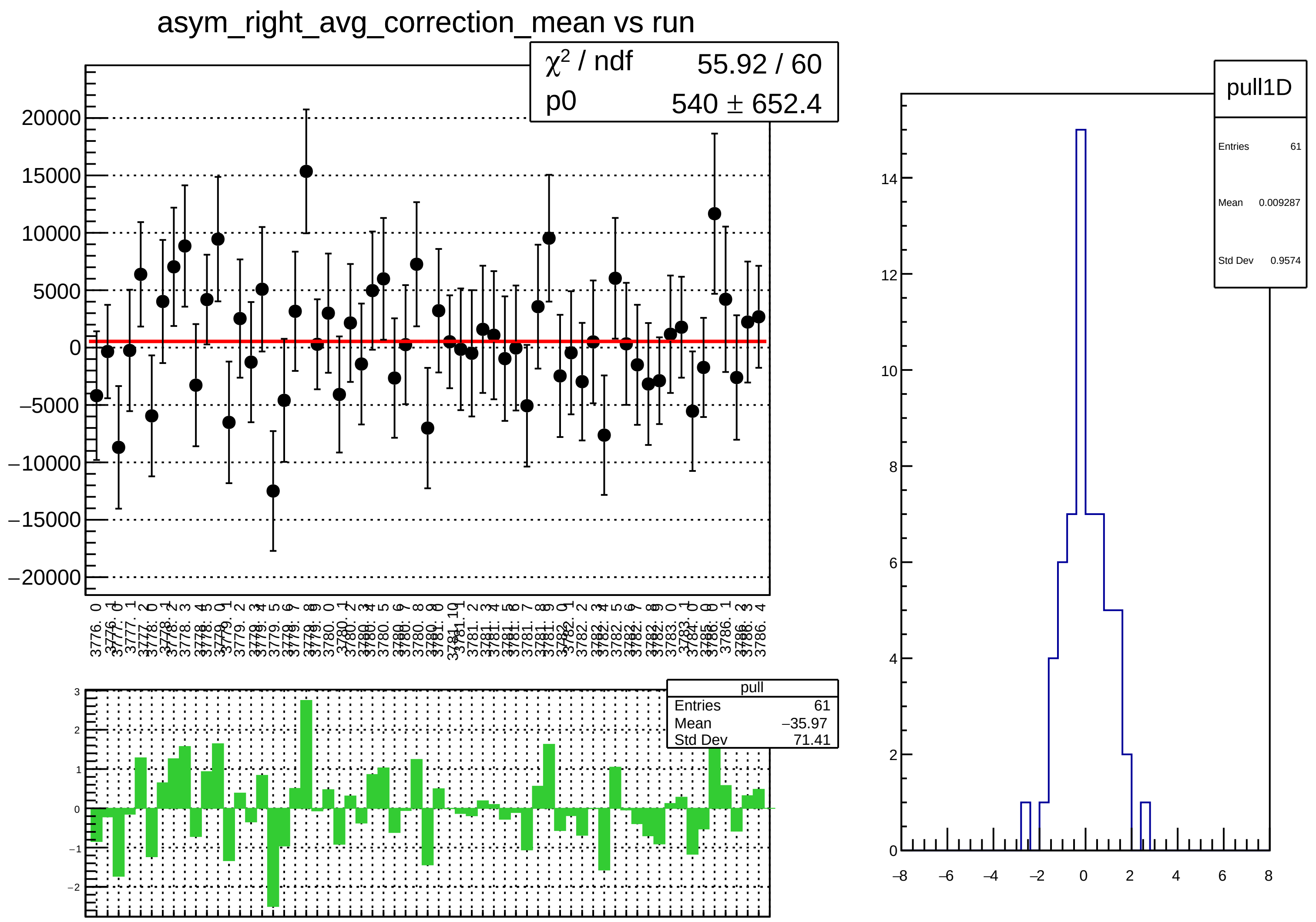
asym_left_dd_rms vs run
χ^2 / ndf 757.3 / 60
p0 31.15 ± 0.02827
36
35
34
33
32
31
30



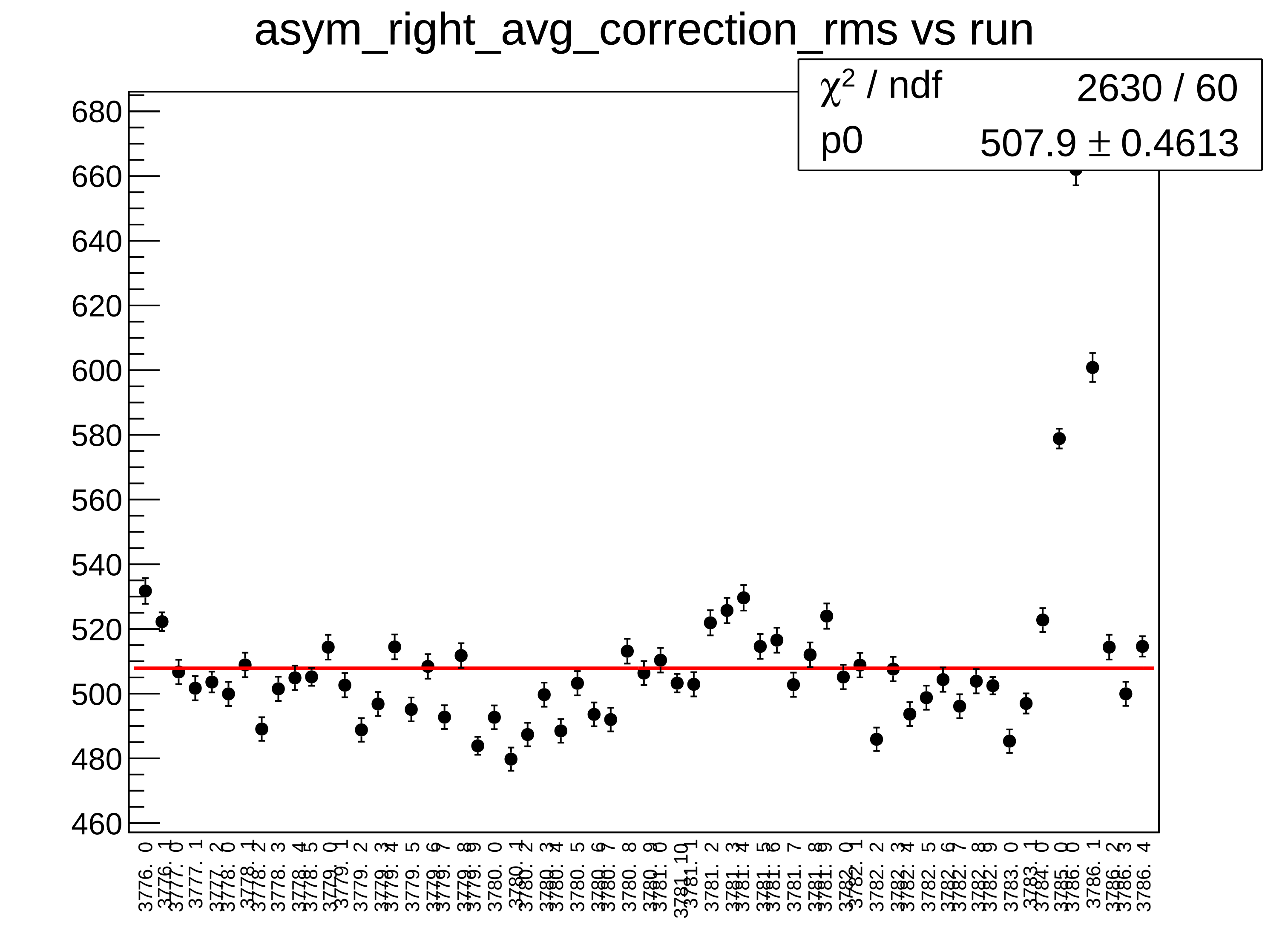
reg_asym_right_avg_mean vs run
χ^2 / ndf 46.06 / 60
p0 −454.9 ± 169.3
pull
Entries 61
Mean 32.16
Std Dev 44.8
pull1D
Entries 61
Mean −0.005691
Std Dev 0.8689

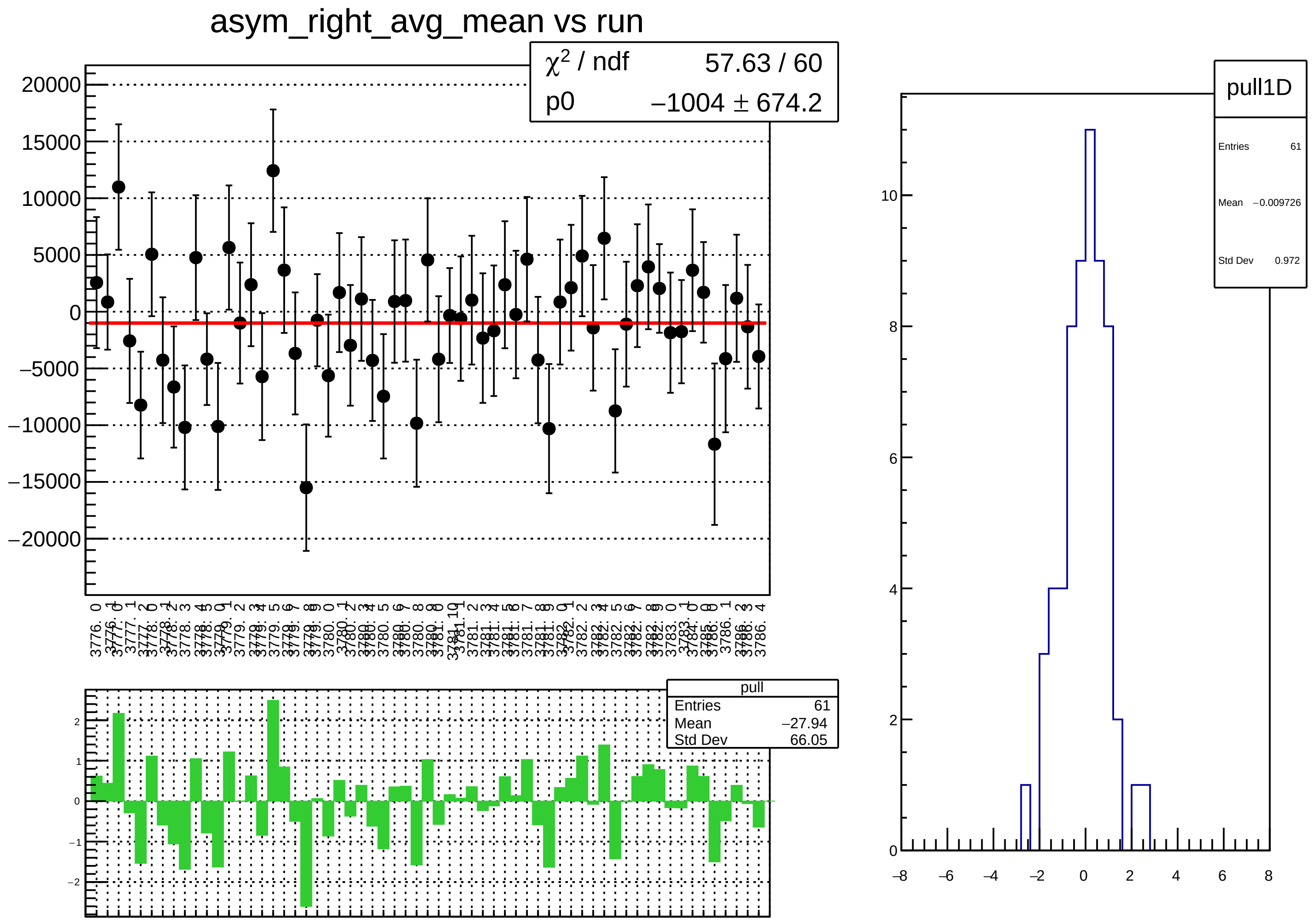


reg_asym_right_avg_rms vs run
χ2 / ndf 163.6 / 60
p0 131.9 ± 0.1197
138
136
134
132
130
128

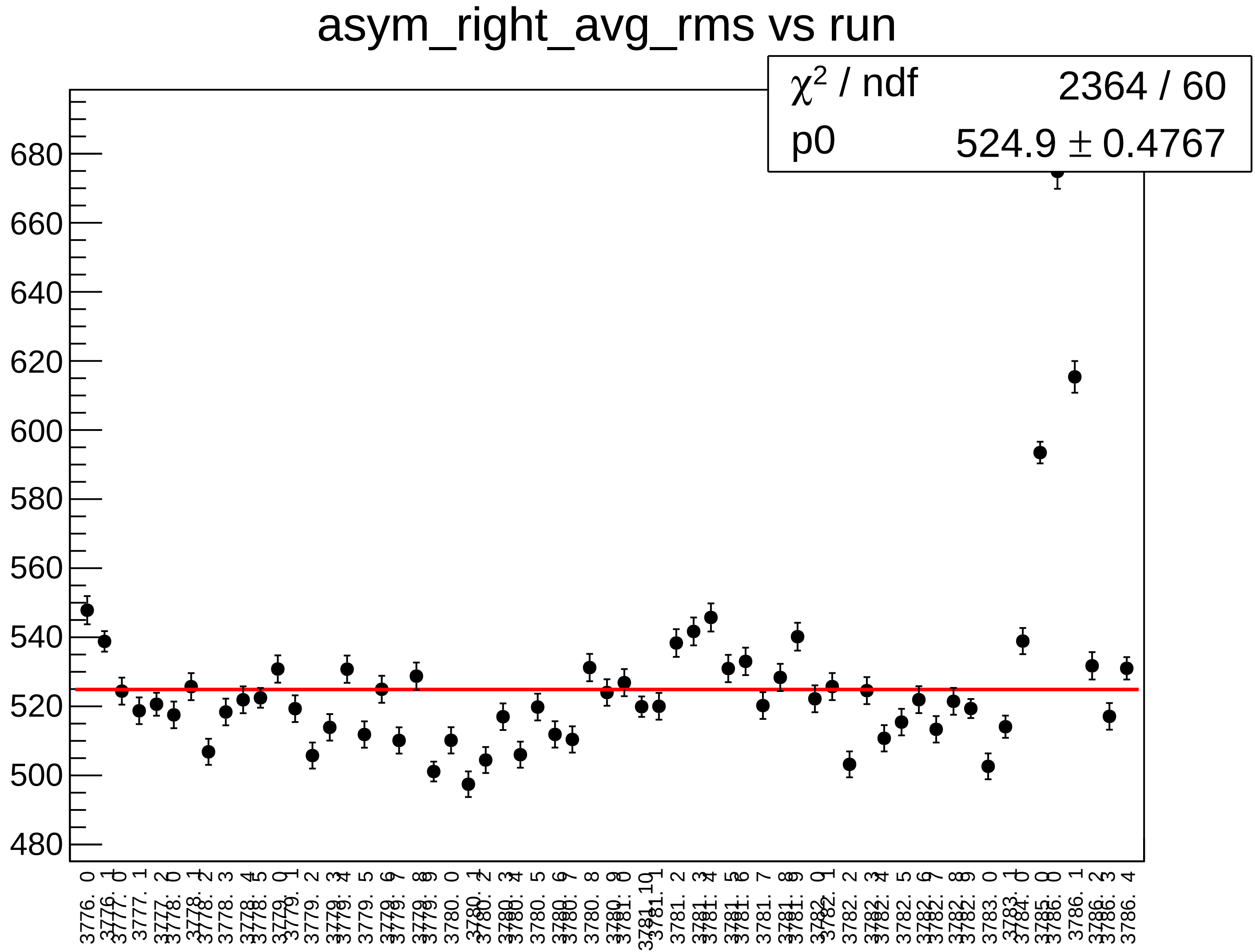


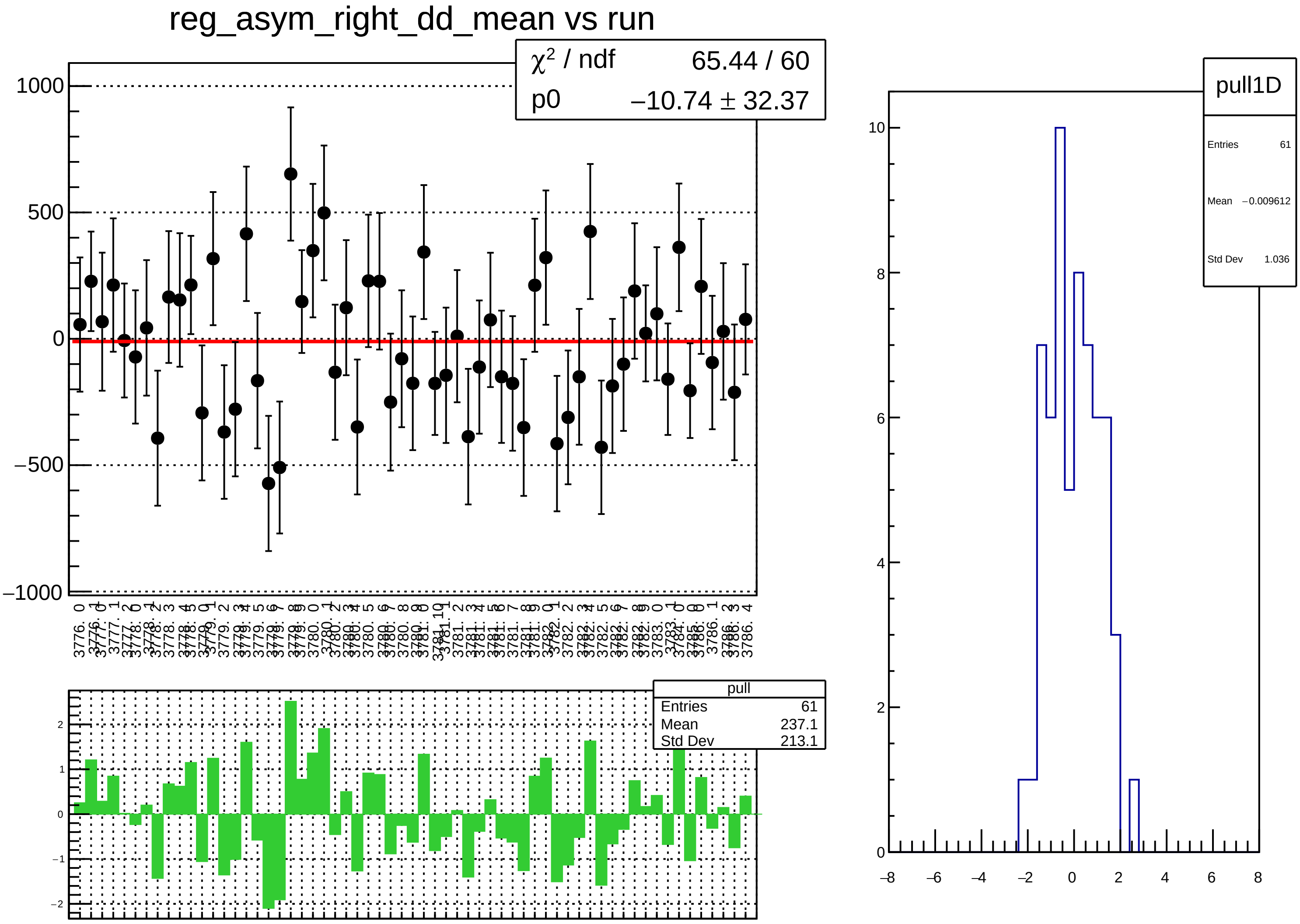
asym_right_avg_correction_mean vs run
χ^2 / ndf 55.92 / 60
p0 540 ± 652.4
pull
Entries 61
Mean −35.97
Std Dev 71.41
pull1D
Entries 61
Mean 0.009287
Std Dev 0.9574


asym_right_avg_correction_rms vs run
χ^2 / ndf 2630 / 60
p0 507.9 ± 0.4613
680
660
640
620
600
580
560
540
520
500
480
460

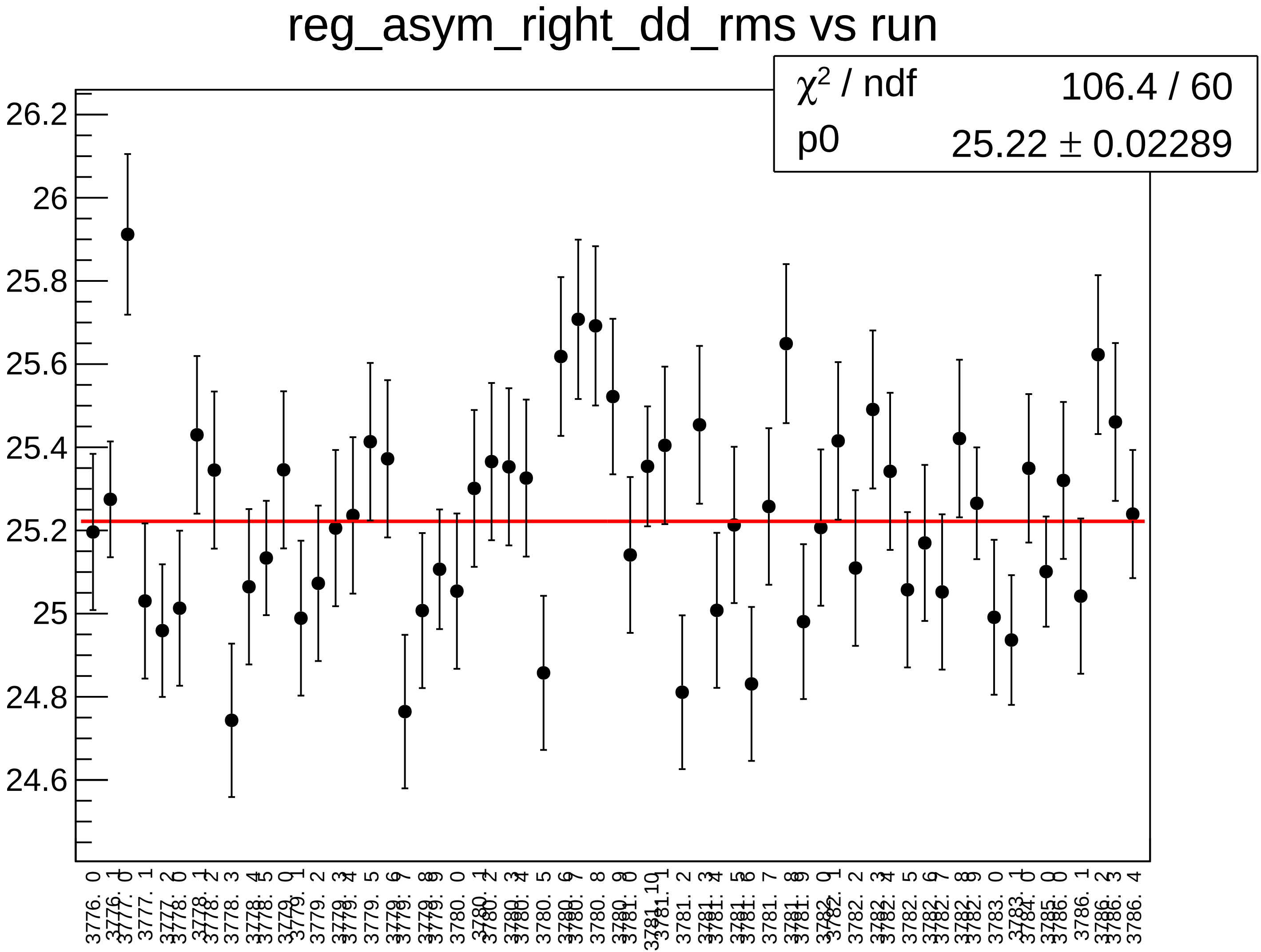


asym_right_avg_mean vs run
χ^2 / ndf 57.63 / 60
p0 −1004 ± 674.2
pull
Entries 61
Mean −27.94
Std Dev 66.05
pull1D
Entries 61
Mean −0.009726
Std Dev 0.972

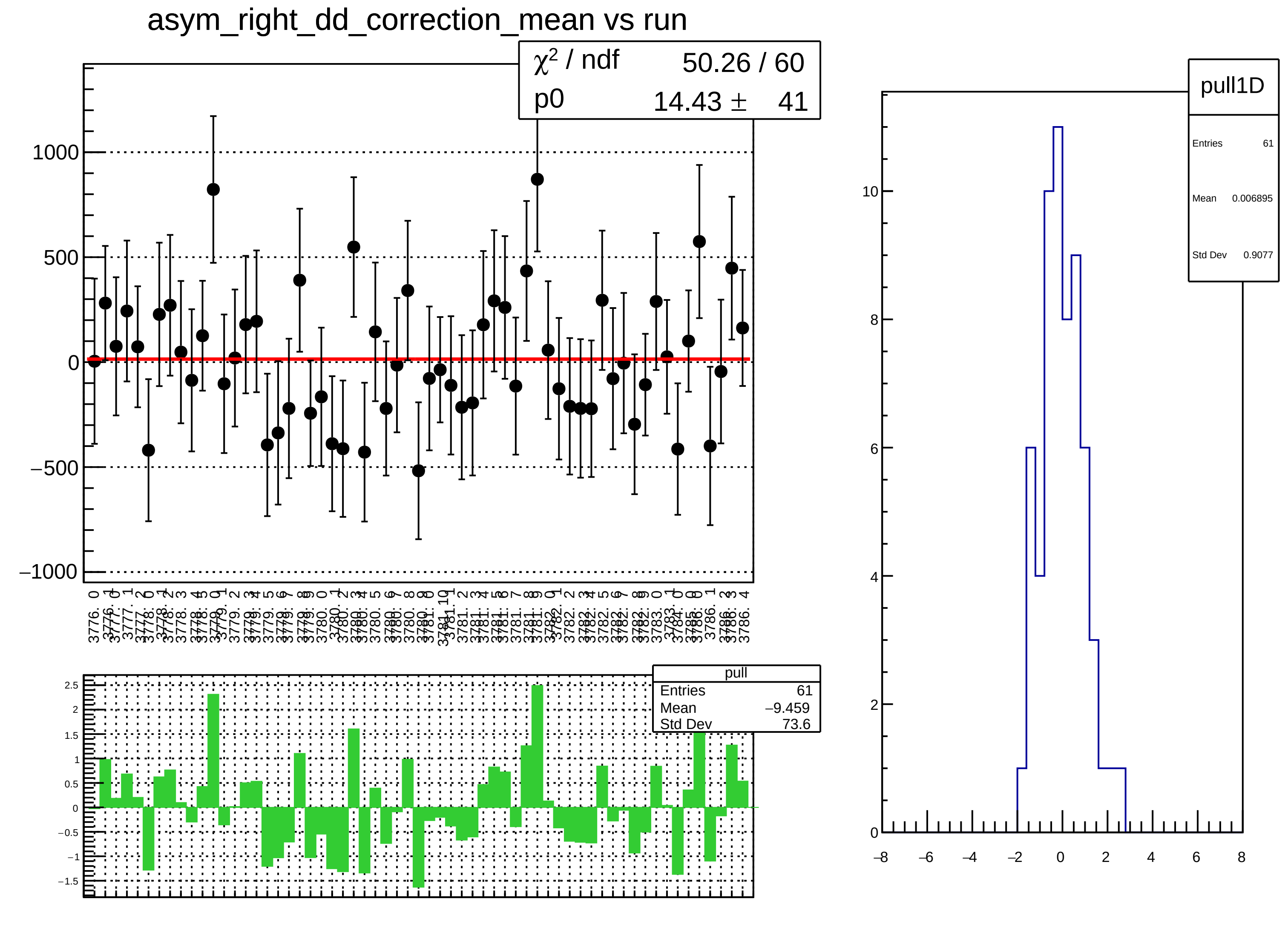

asym_right_avg_rms vs run
χ^2 / ndf 2364 / 60
p0 524.9 ± 0.4767
680
660
640
620
600
580
560
540
520
500
480



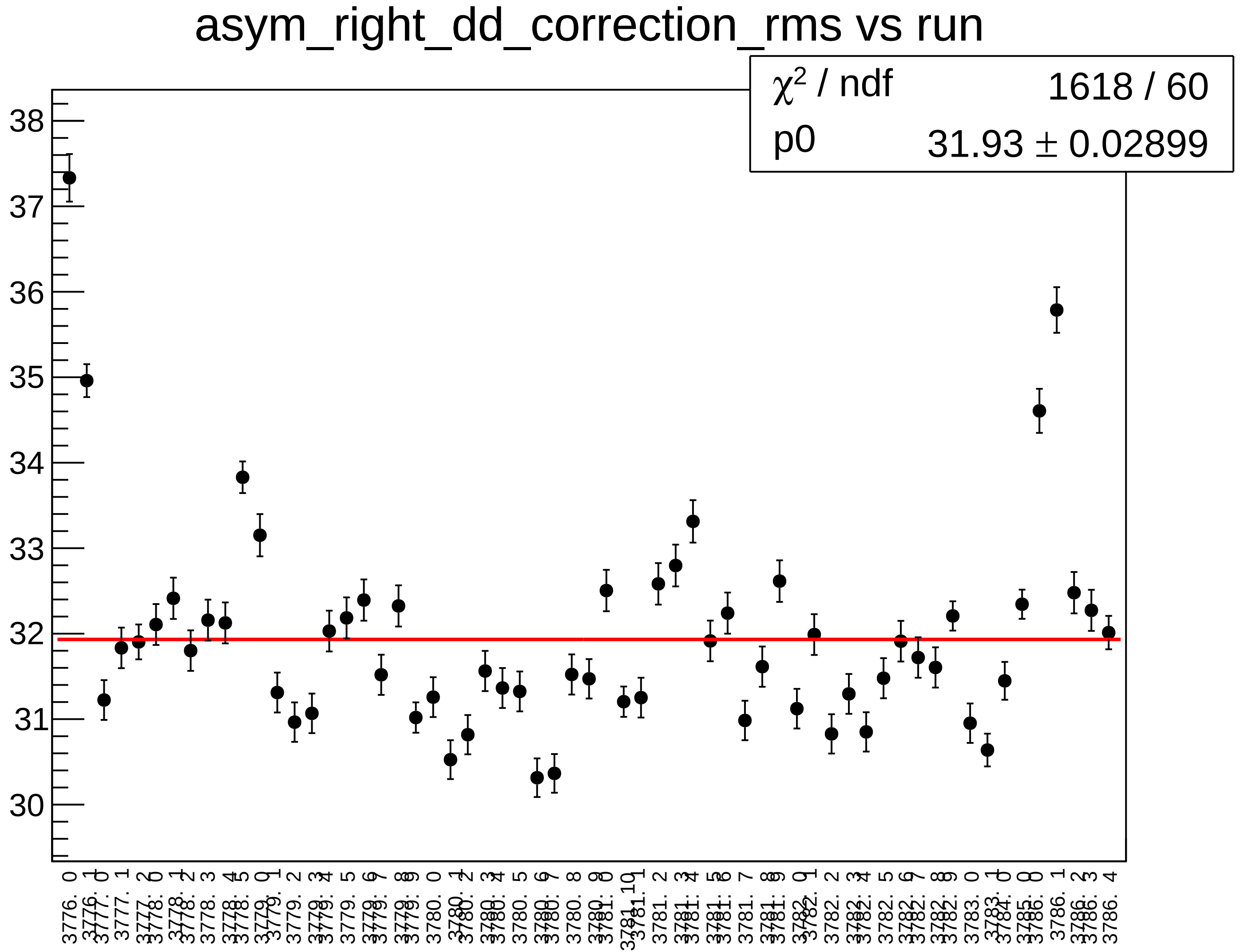
reg_asym_right_dd_mean vs run
χ2 / ndf 65.44 / 60
p0 −10.74 ± 32.37
pull
Entries 61
Mean 237.1
Std Dev 213.1
pull1D
Entries 61
Mean −0.009612
Std Dev 1.036



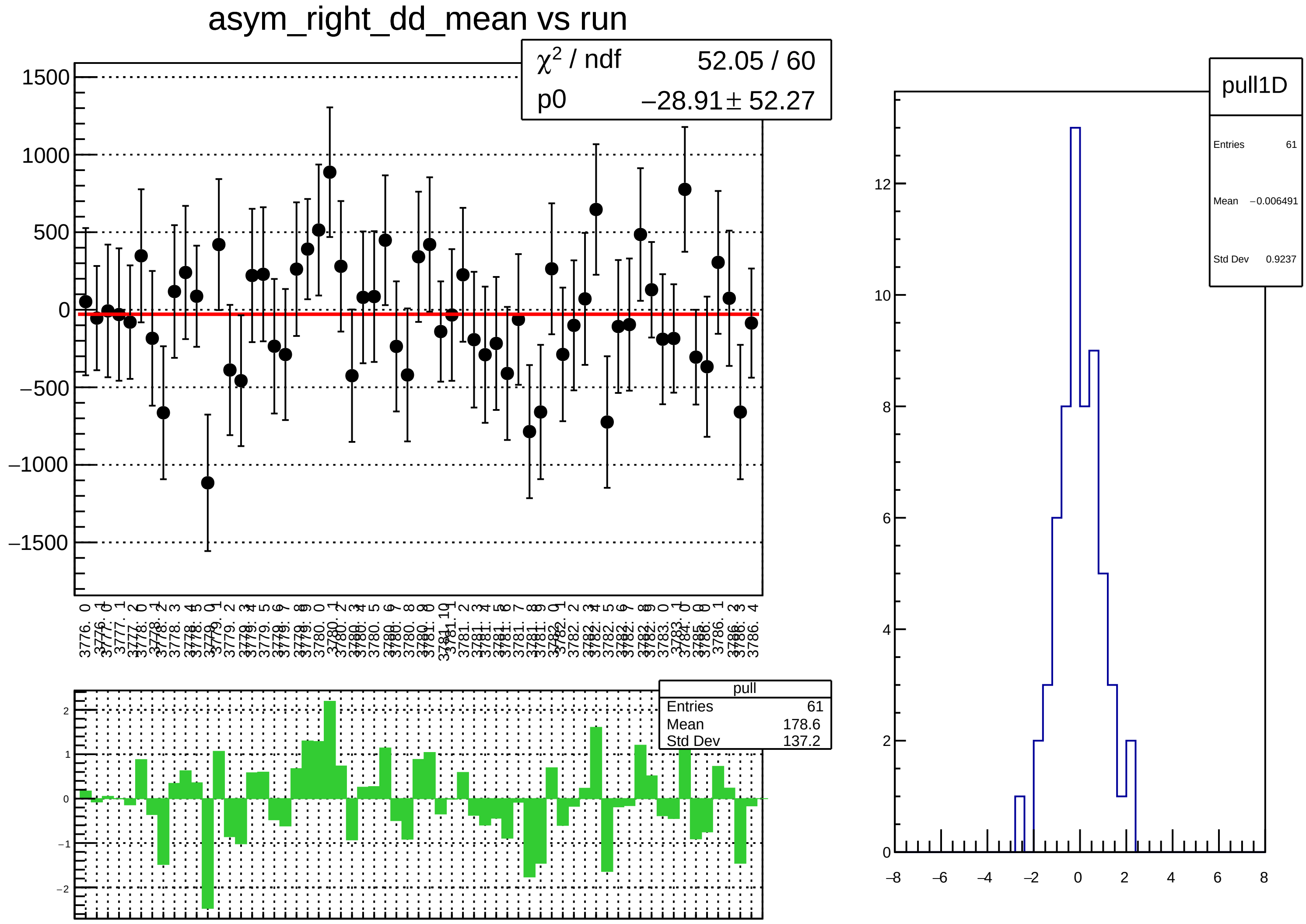
reg_asym_right_dd_rms vs run
χ^2 / ndf 106.4 / 60
p0 25.22 ± 0.02289
26.2
26
25.8
25.6
25.4
25.2
25
24.8
24.6

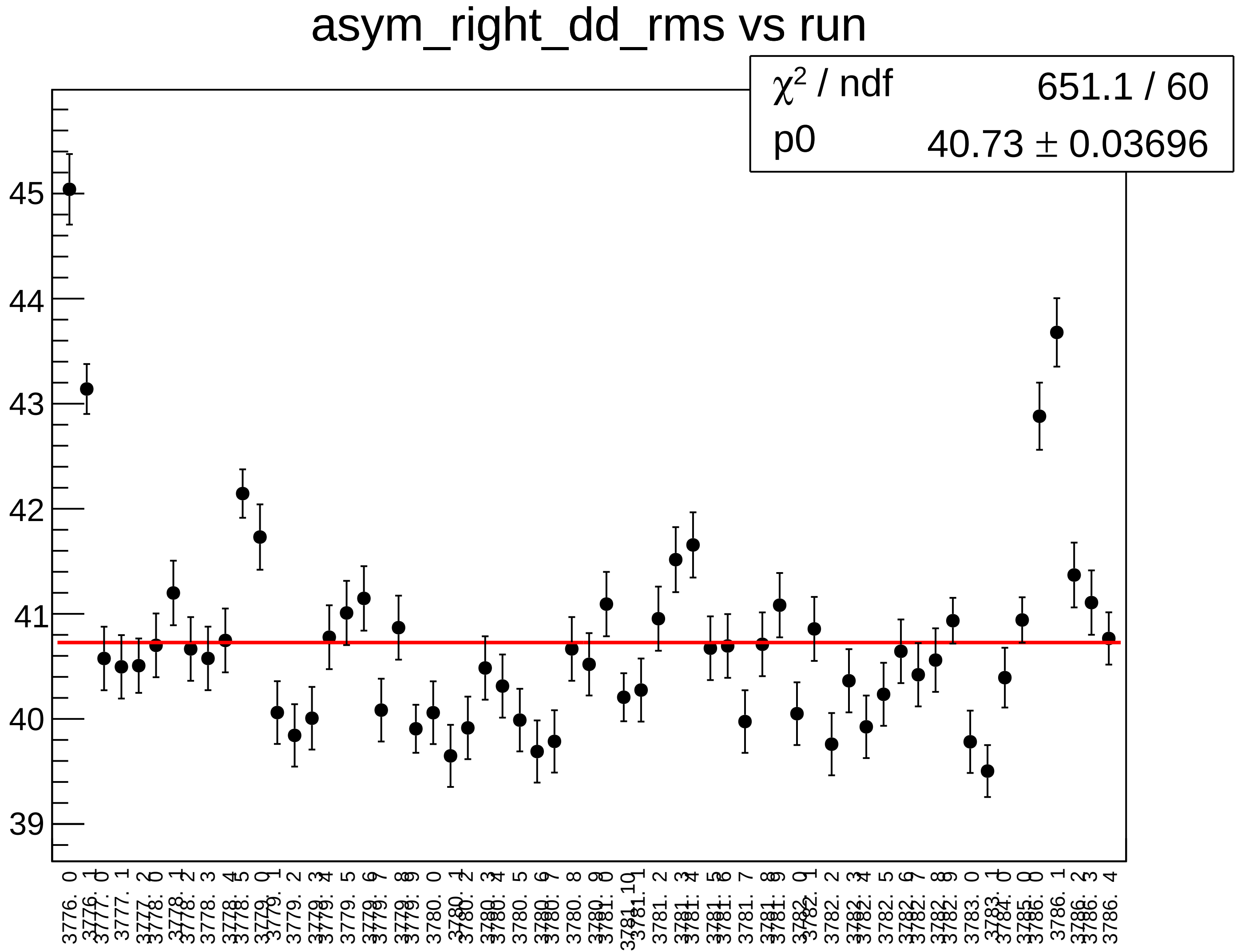


asym_right_dd_correction_mean vs run
χ^2 / ndf 50.26 / 60
p0 14.43 ± 41
1000
500
0
−500
−1000
pull
Entries 61
Mean −9.459
Std Dev 73.6
pull1D
Entries 61
Mean 0.006895
Std Dev 0.9077

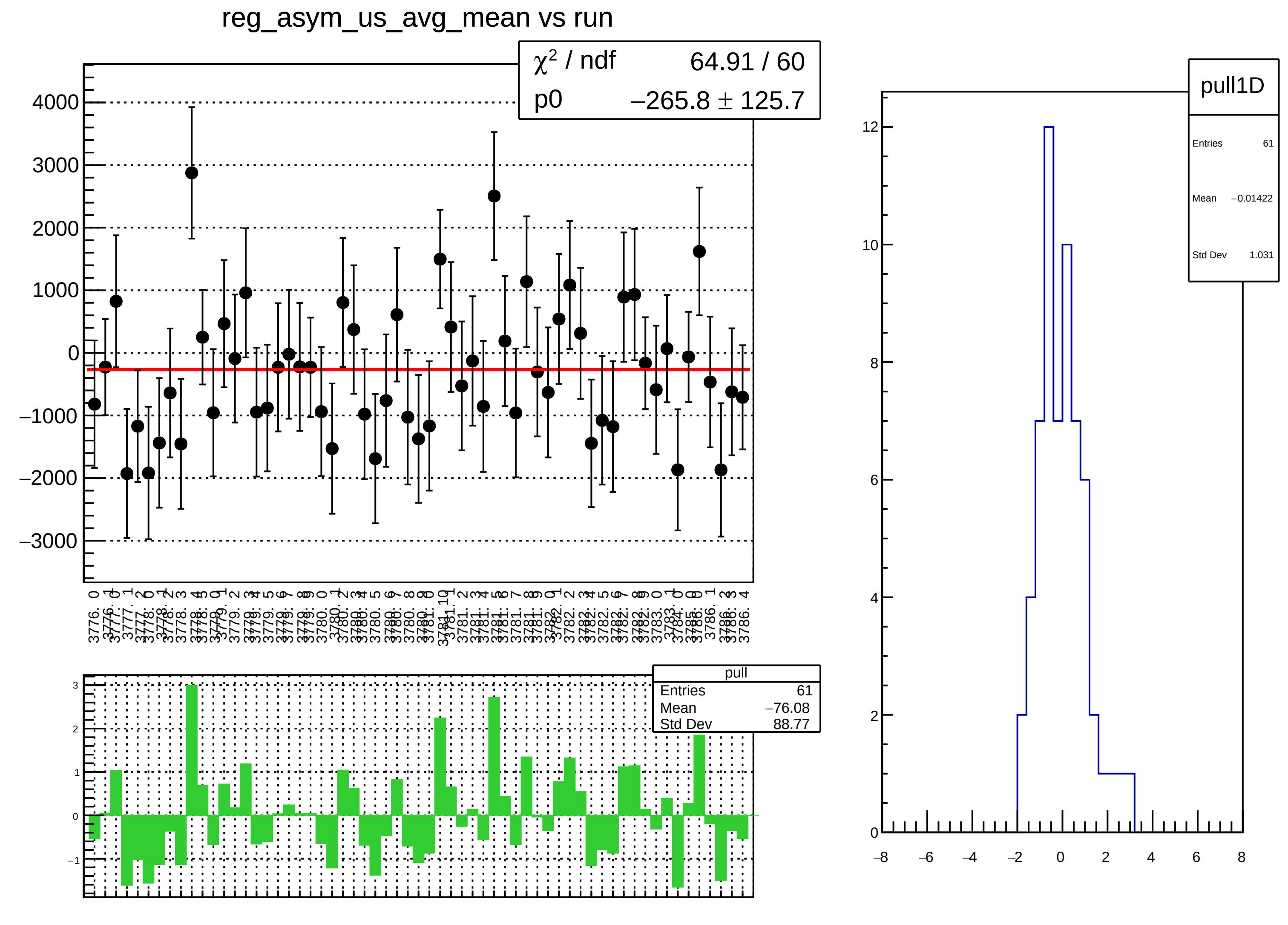


asym_right_dd_correction_rms vs run
χ^2 / ndf 1618 / 60
p0 31.93 ± 0.02899
38
37
36
35
34
33
32
31
30

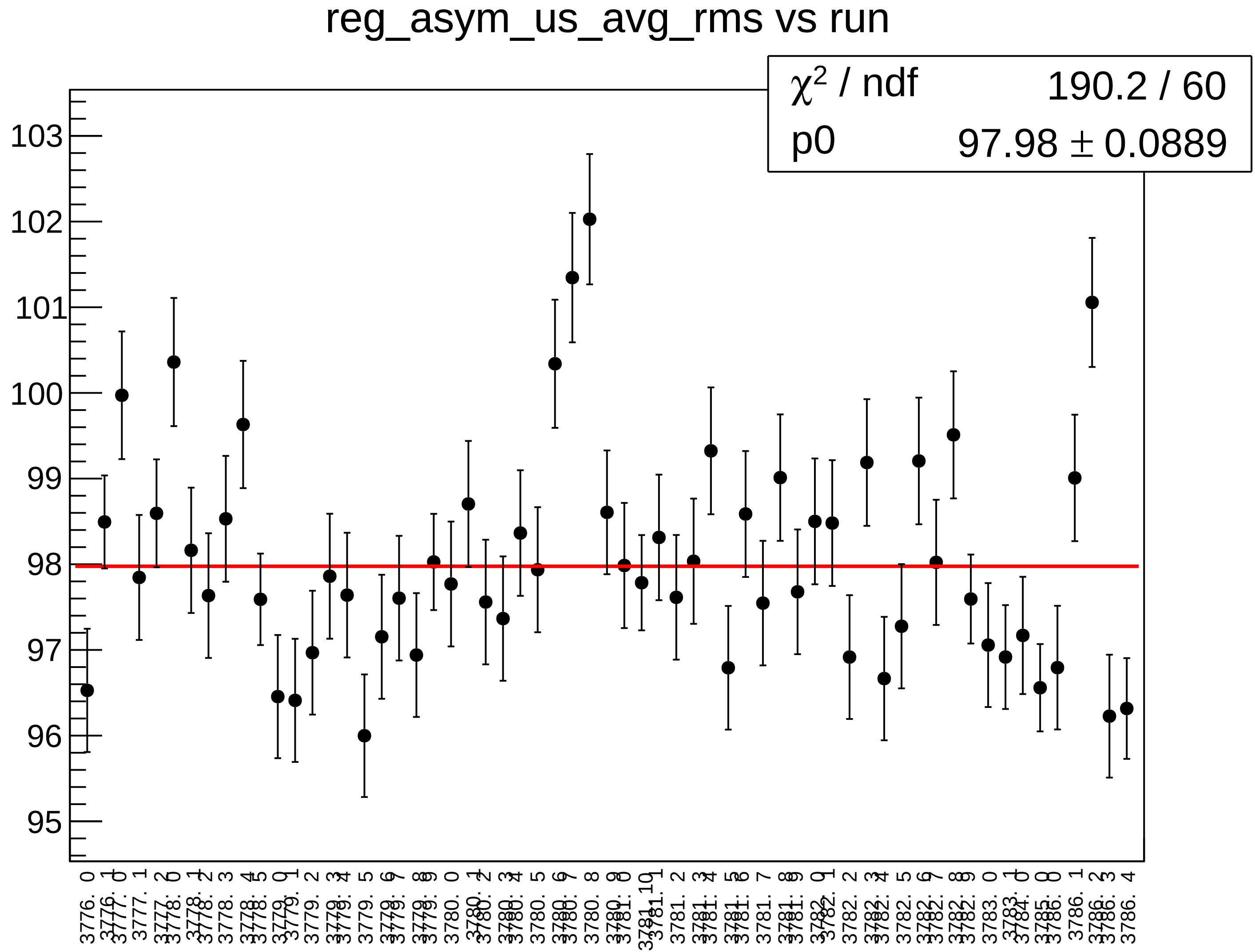

asym_right_dd_mean vs run
χ2 / ndf 52.05 / 60
p0 −28.91 ± 52.27
pull
Entries 61
Mean 178.6
Std Dev 137.2
pull1D
Entries 61
Mean −0.006491
Std Dev 0.9237

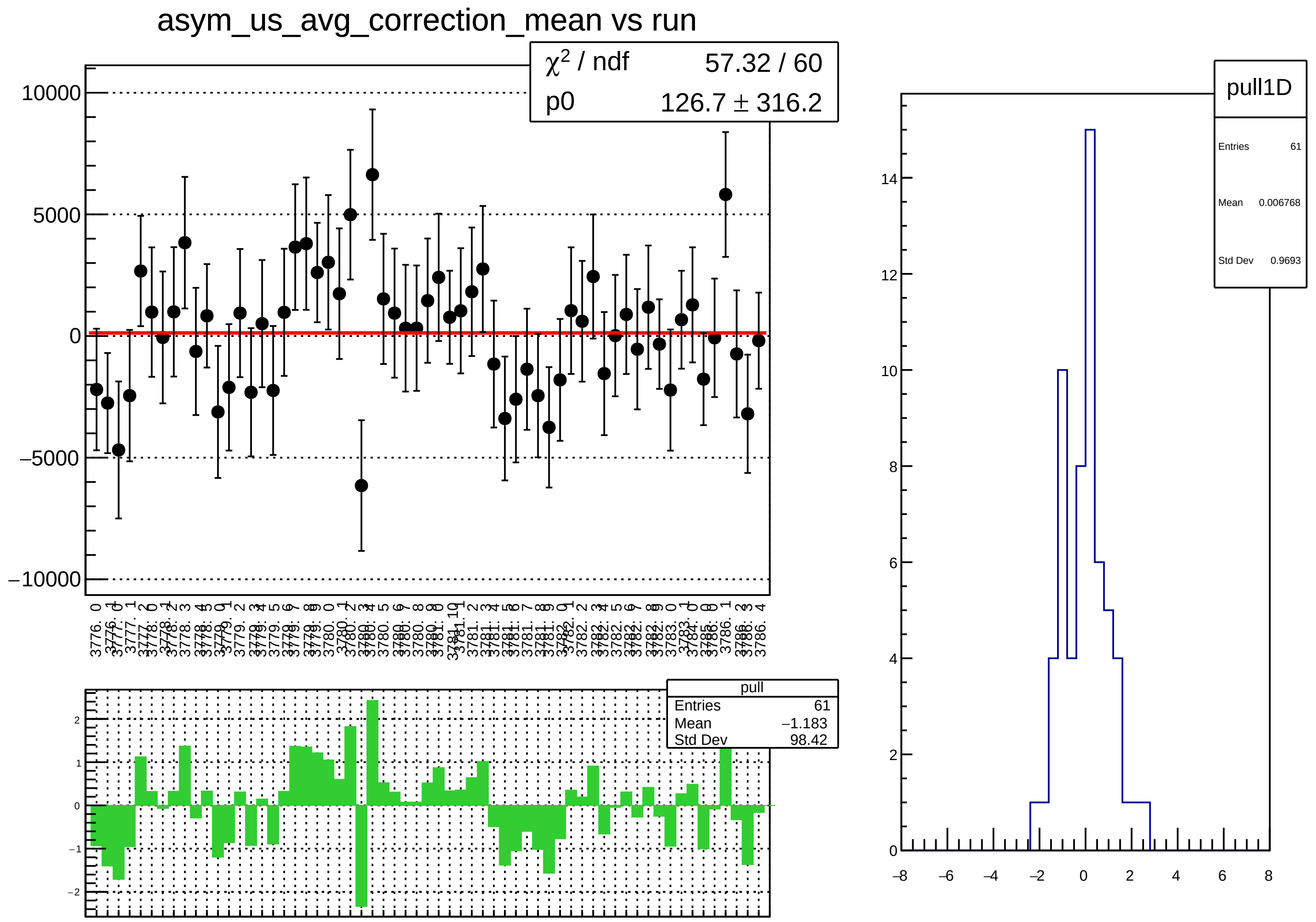


asym_right_dd_rms vs run
χ2 / ndf 651.1 / 60
p0 40.73 ± 0.03696
45
44
43
42
41
40
39

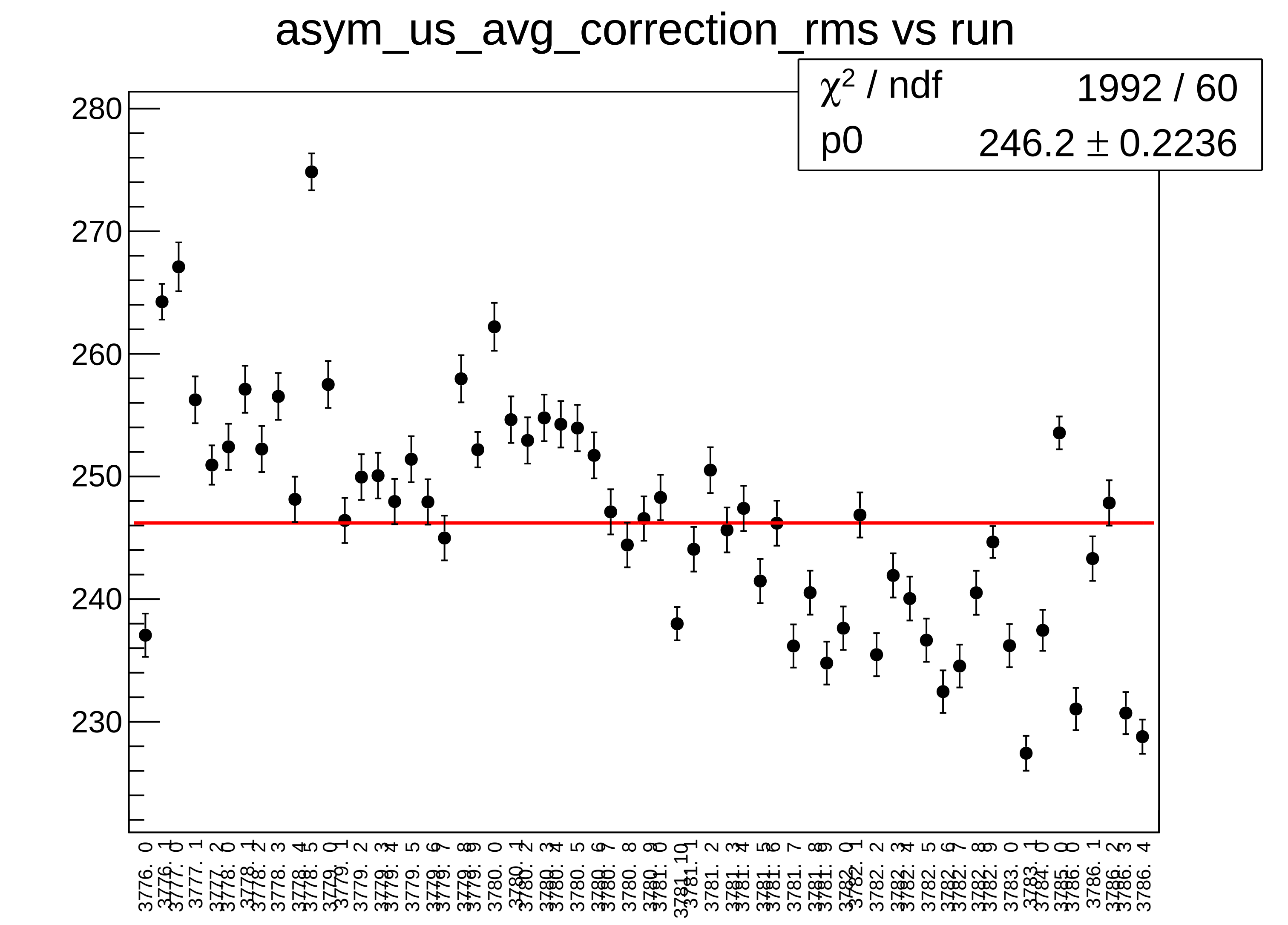


reg_asym_us_avg_mean vs run
χ2 / ndf 64.91 / 60
p0 −265.8 ± 125.7
pull
Entries 61
Mean −76.08
Std Dev 88.77
pull1D
Entries 61
Mean −0.01422
Std Dev 1.031

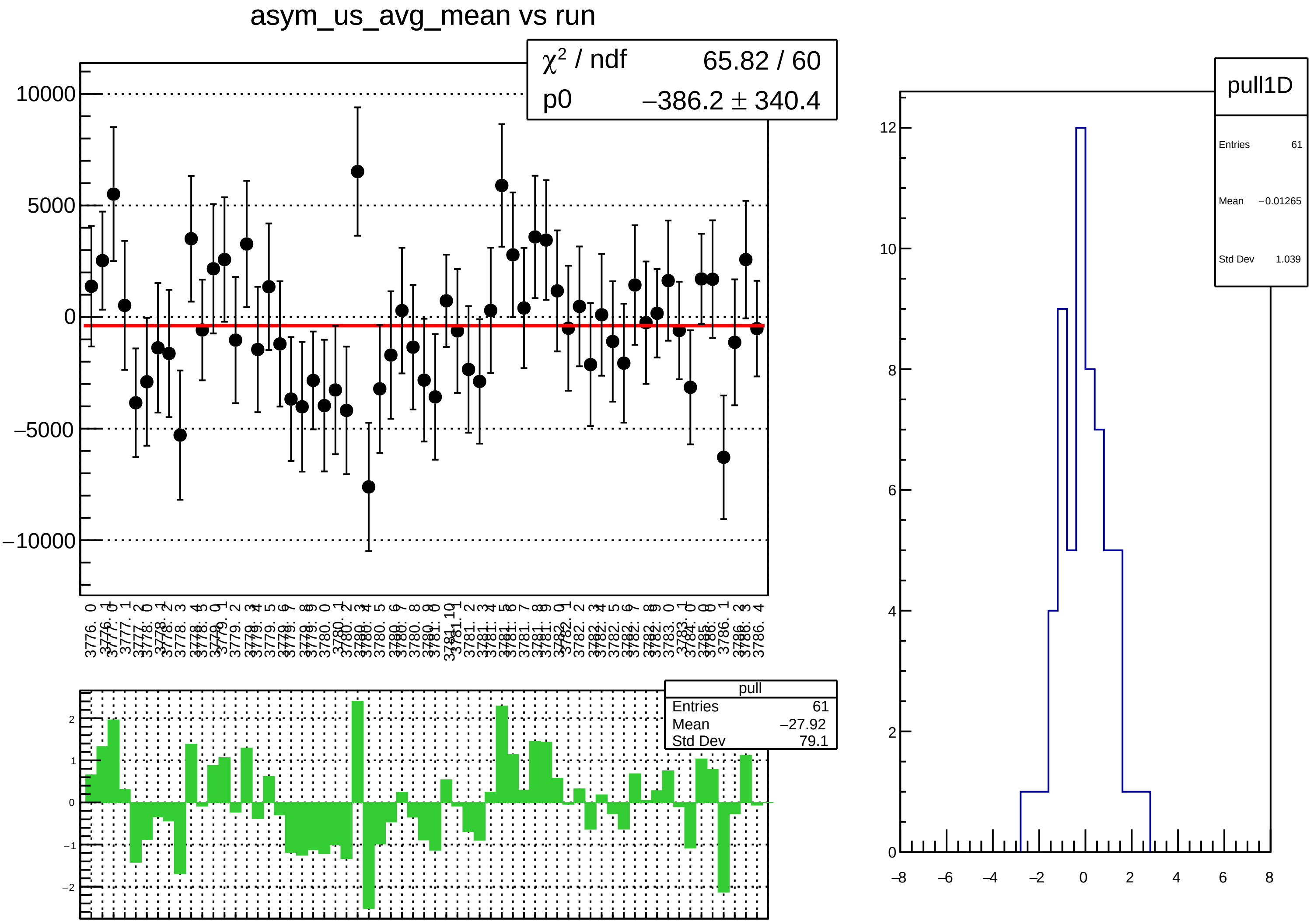

reg_asym_us_avg_rms vs run
χ2 / ndf 190.2 / 60
p0 97.98 ± 0.0889
103
102
101
100
99
98
97
96
95



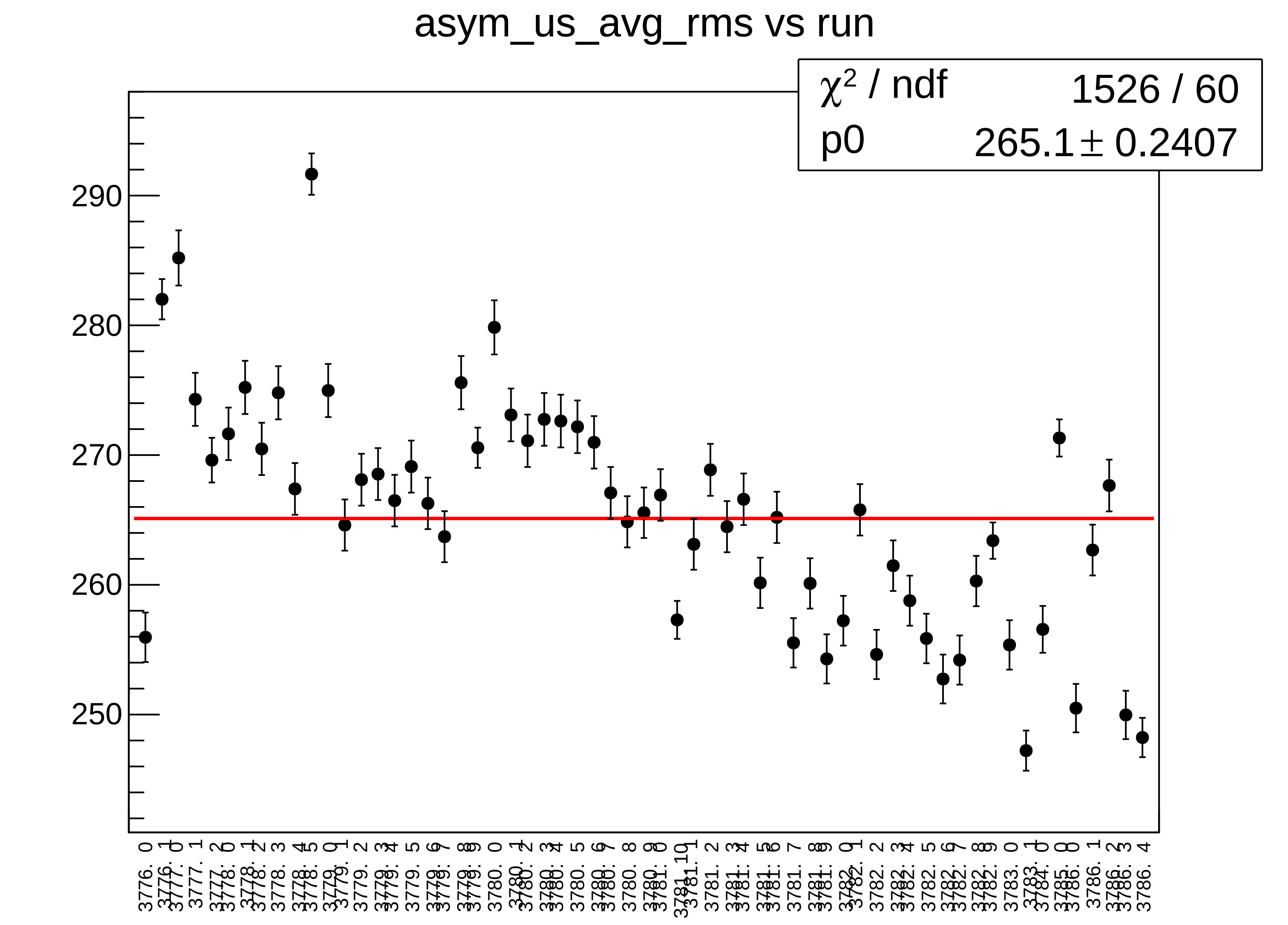
asym_us_avg_correction_mean vs run
χ2 / ndf 57.32 / 60
p0 126.7 ± 316.2
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −1.183
Std Dev 98.42
2
1
0
−1
−2
pull1D
Entries 61
Mean 0.006768
Std Dev 0.9693
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

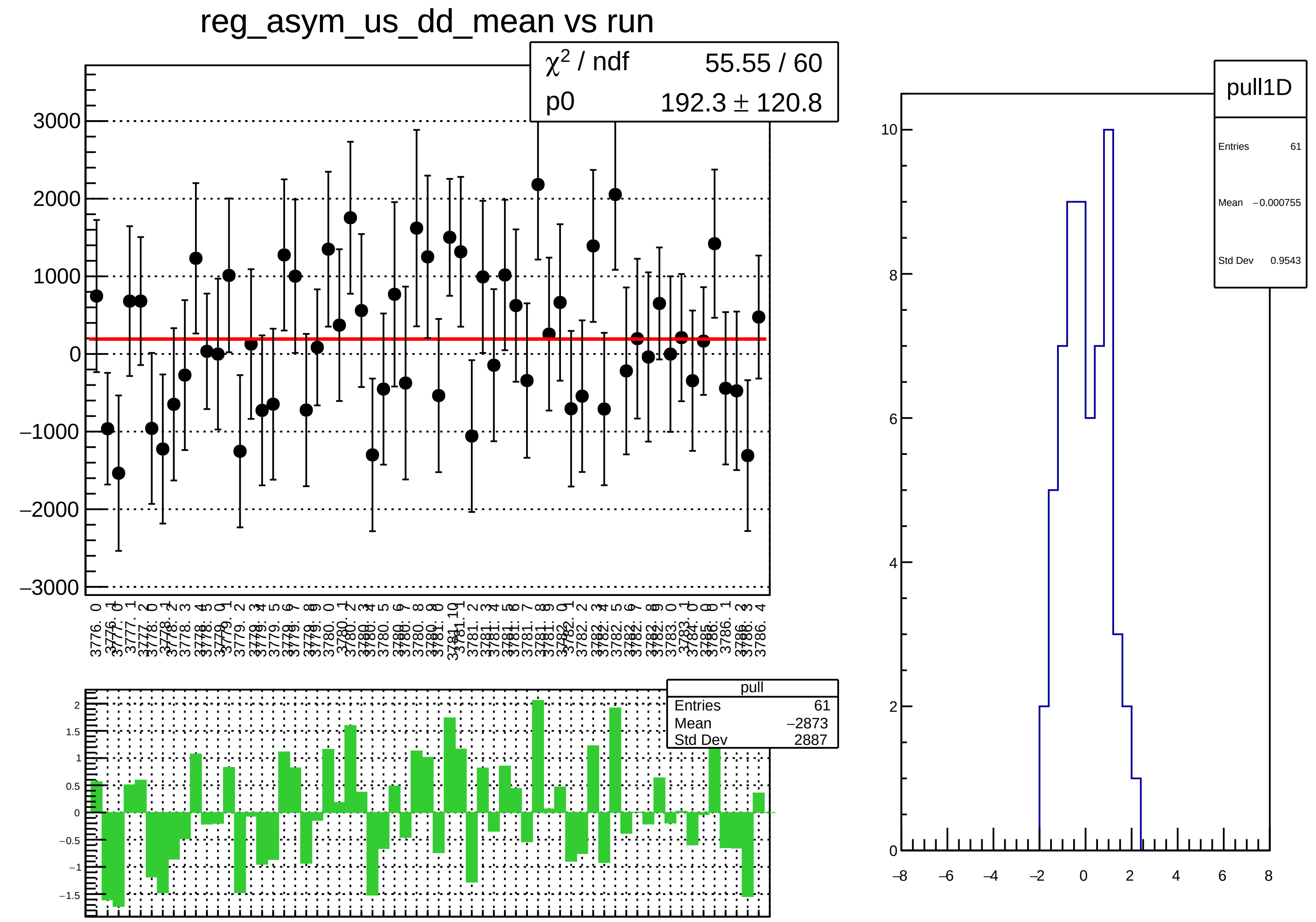


asym_us_avg_correction_rms vs run
χ2 / ndf 1992 / 60
p0 246.2 ± 0.2236
280
270
260
250
240
230

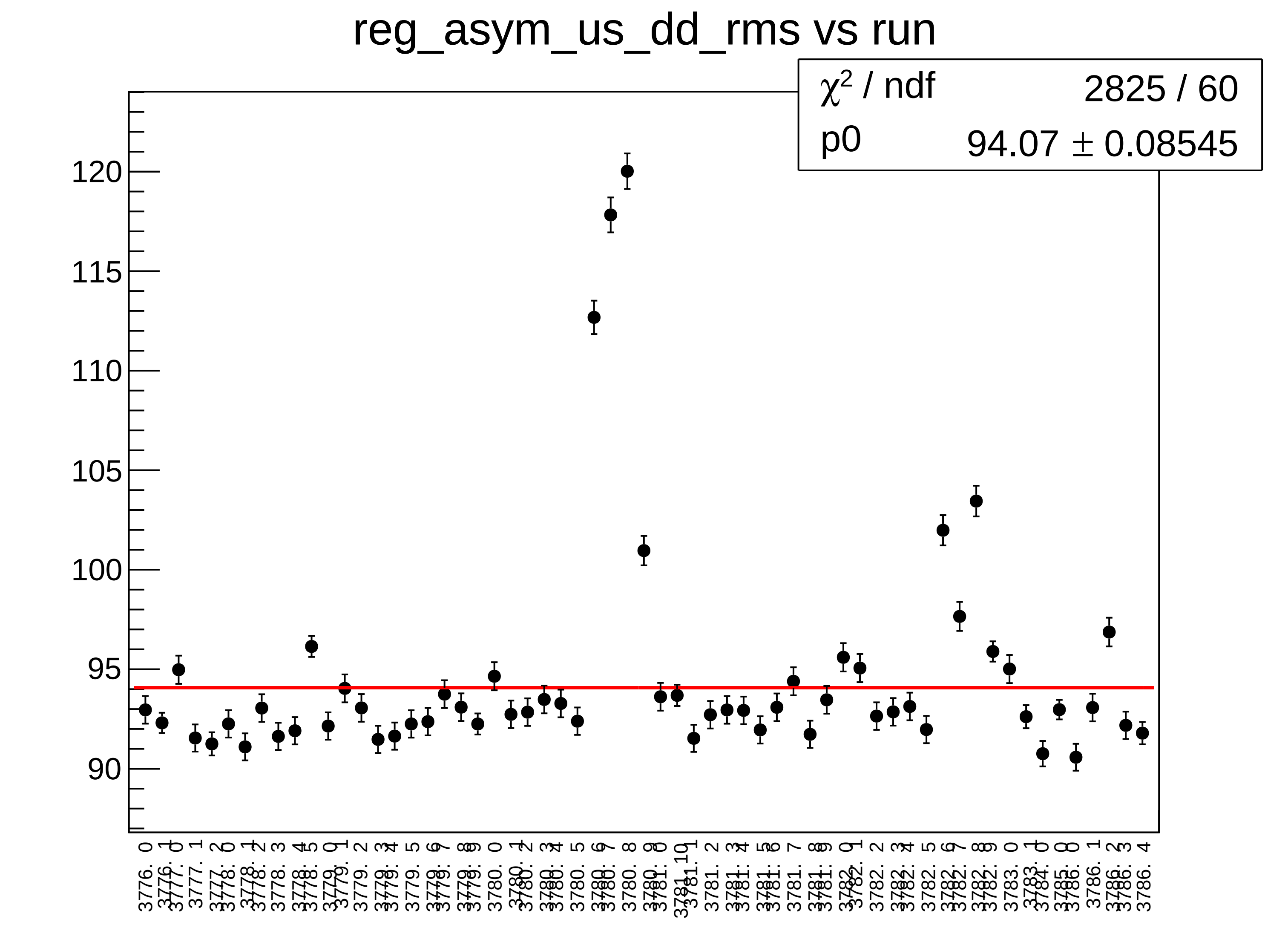


asym_us_avg_mean vs run
χ^2 / ndf 65.82 / 60
p0 −386.2 ± 340.4
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −27.92
Std Dev 79.1
pull1D
Entries 61
Mean −0.01265
Std Dev 1.039

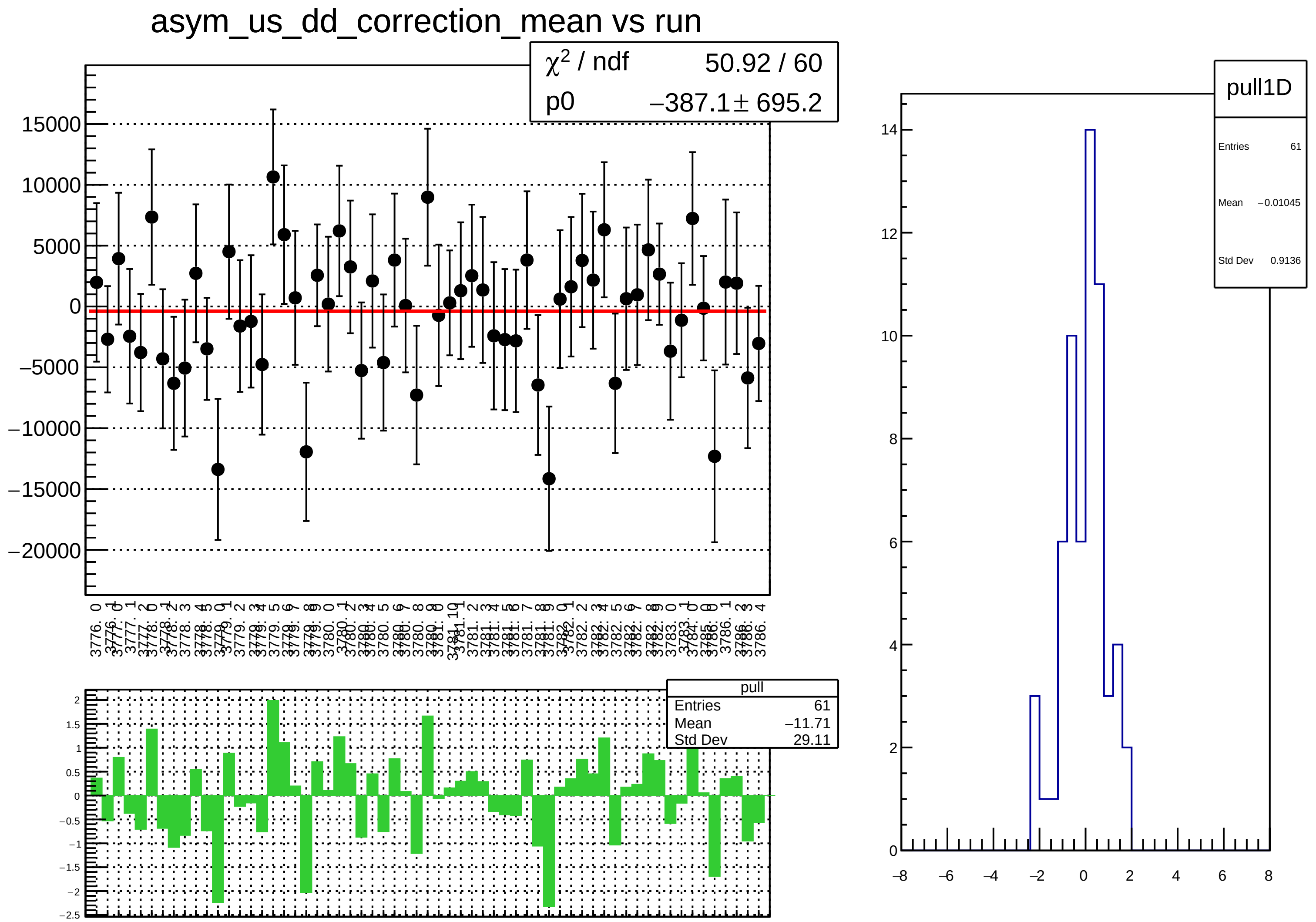

asym_us_avg_rms vs run
χ2 / ndf 1526 / 60
p0 265.1 ± 0.2407
290
280
270
260
250

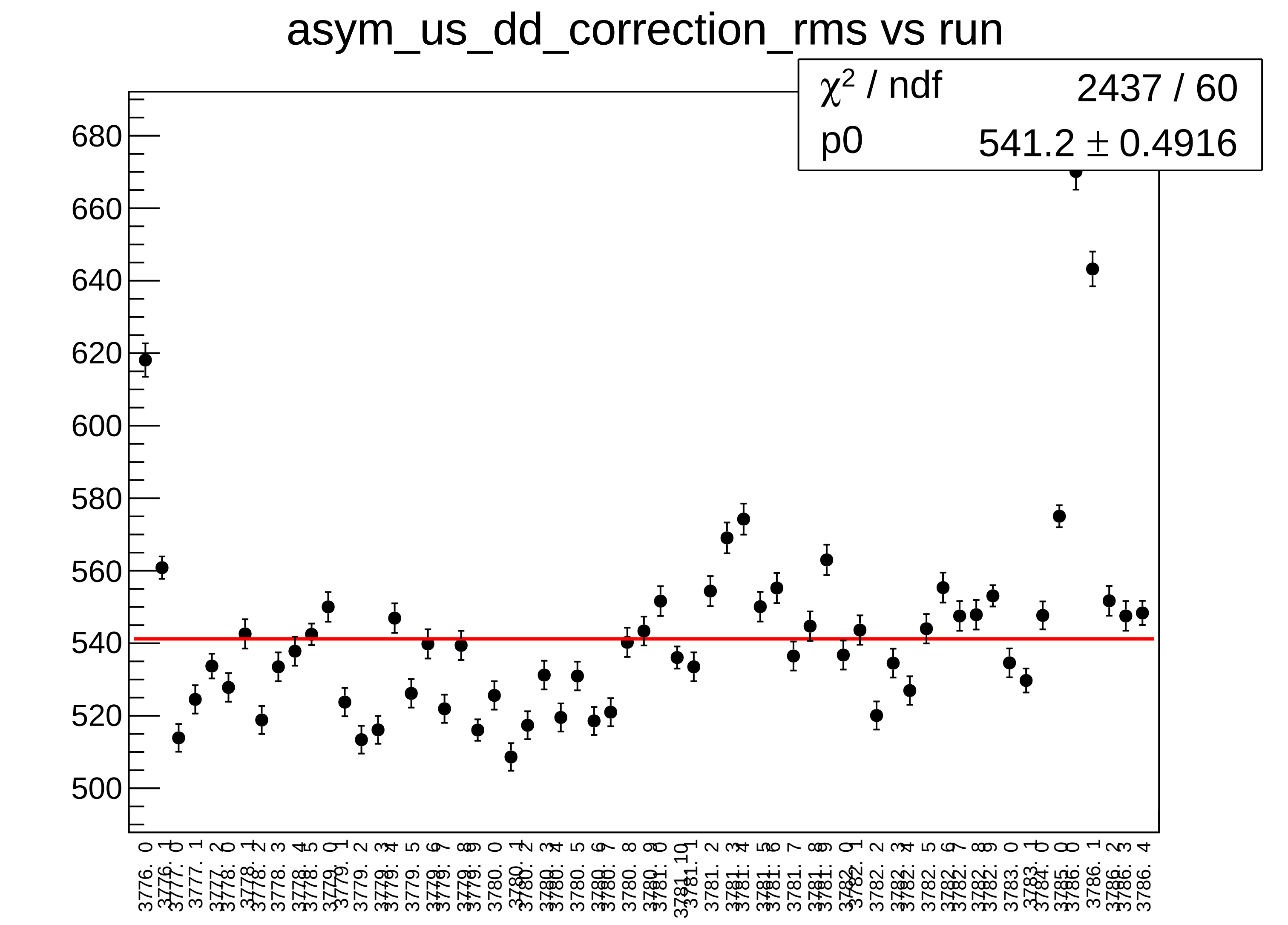


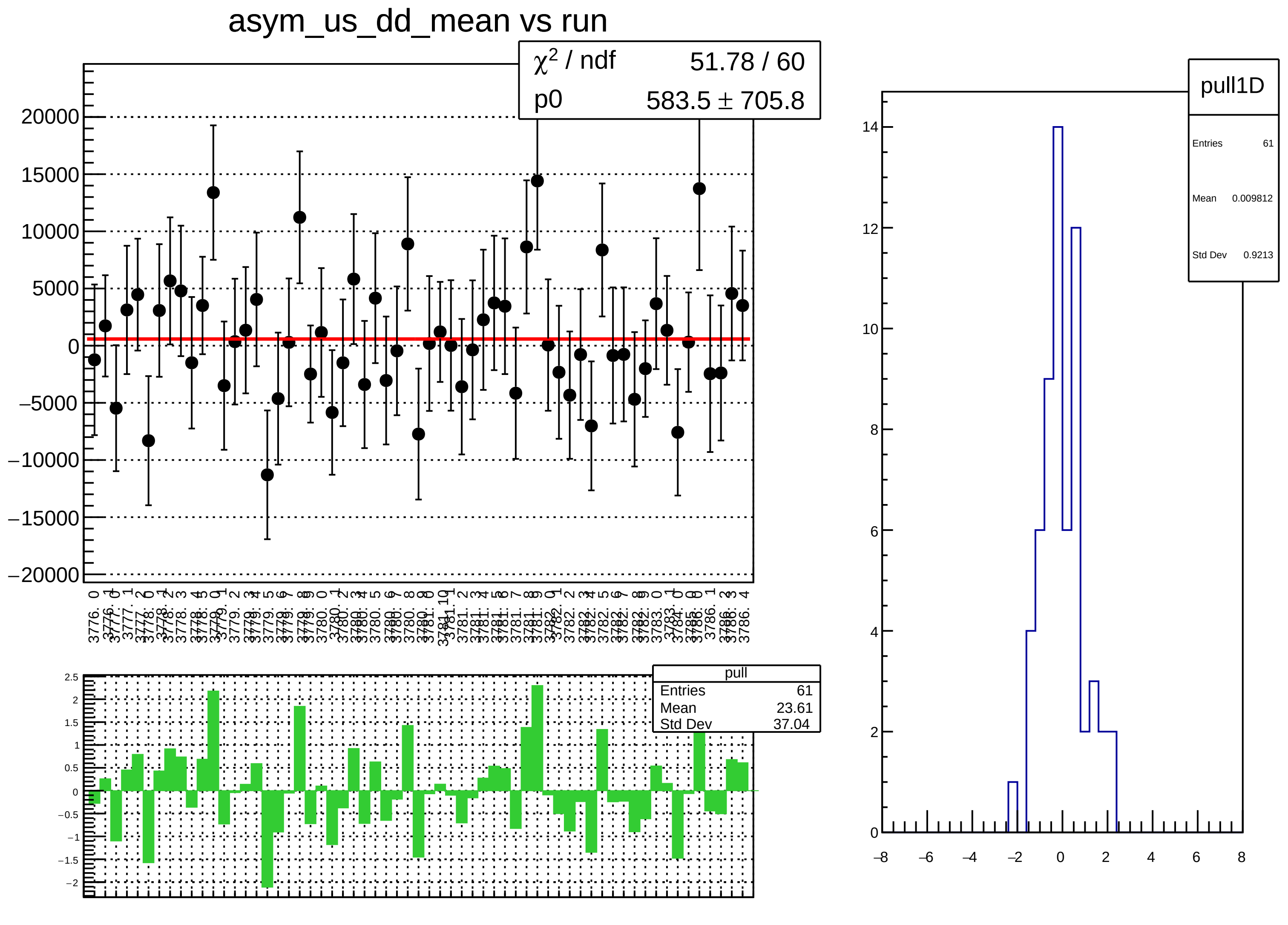
reg_asym_us_dd_mean vs run
χ^2 / ndf 55.55 / 60
p0 192.3 ± 120.8
pull
Entries 61
Mean −2873
Std Dev 2887
pull1D
Entries 61
Mean −0.000755
Std Dev 0.9543

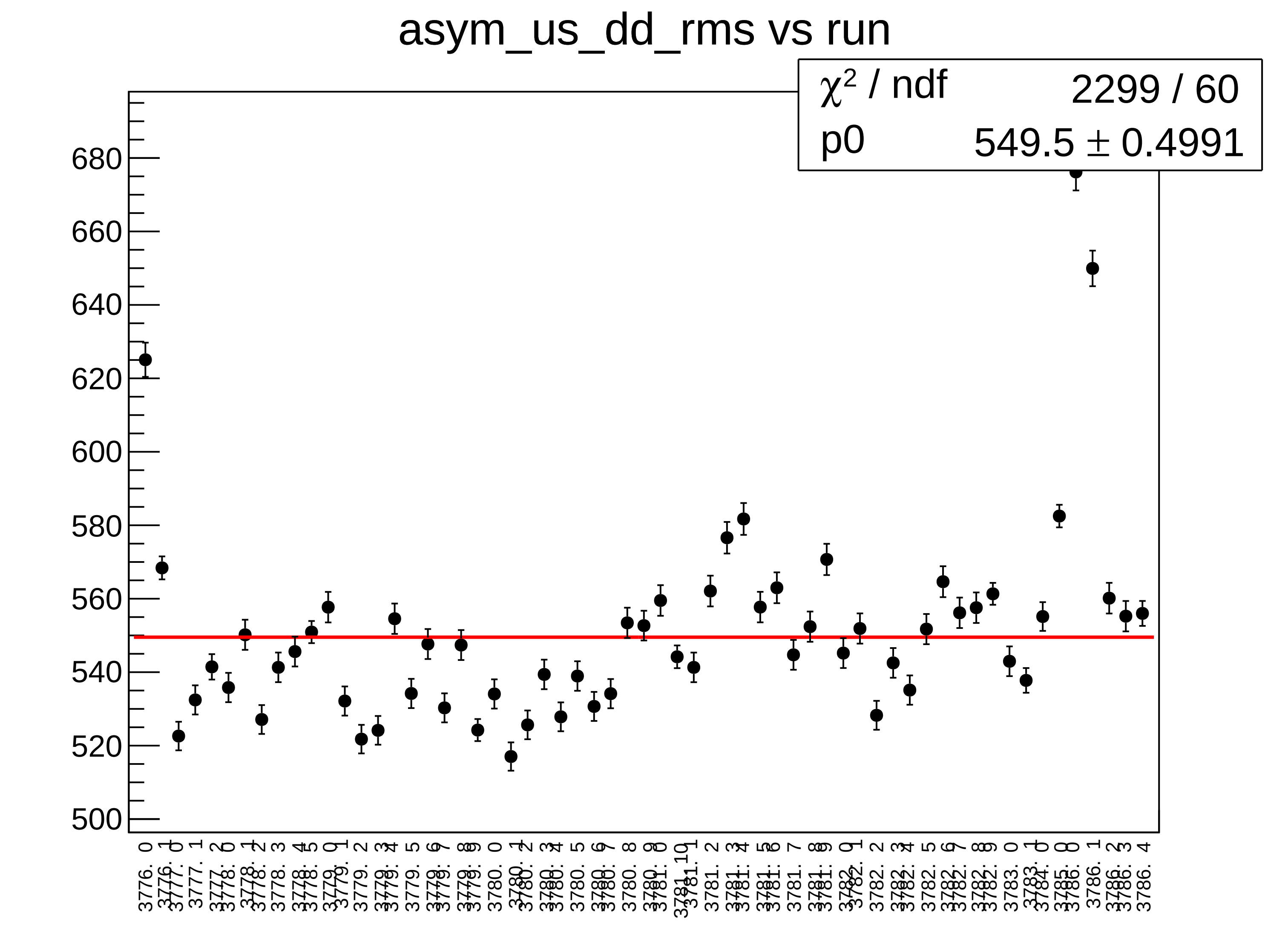


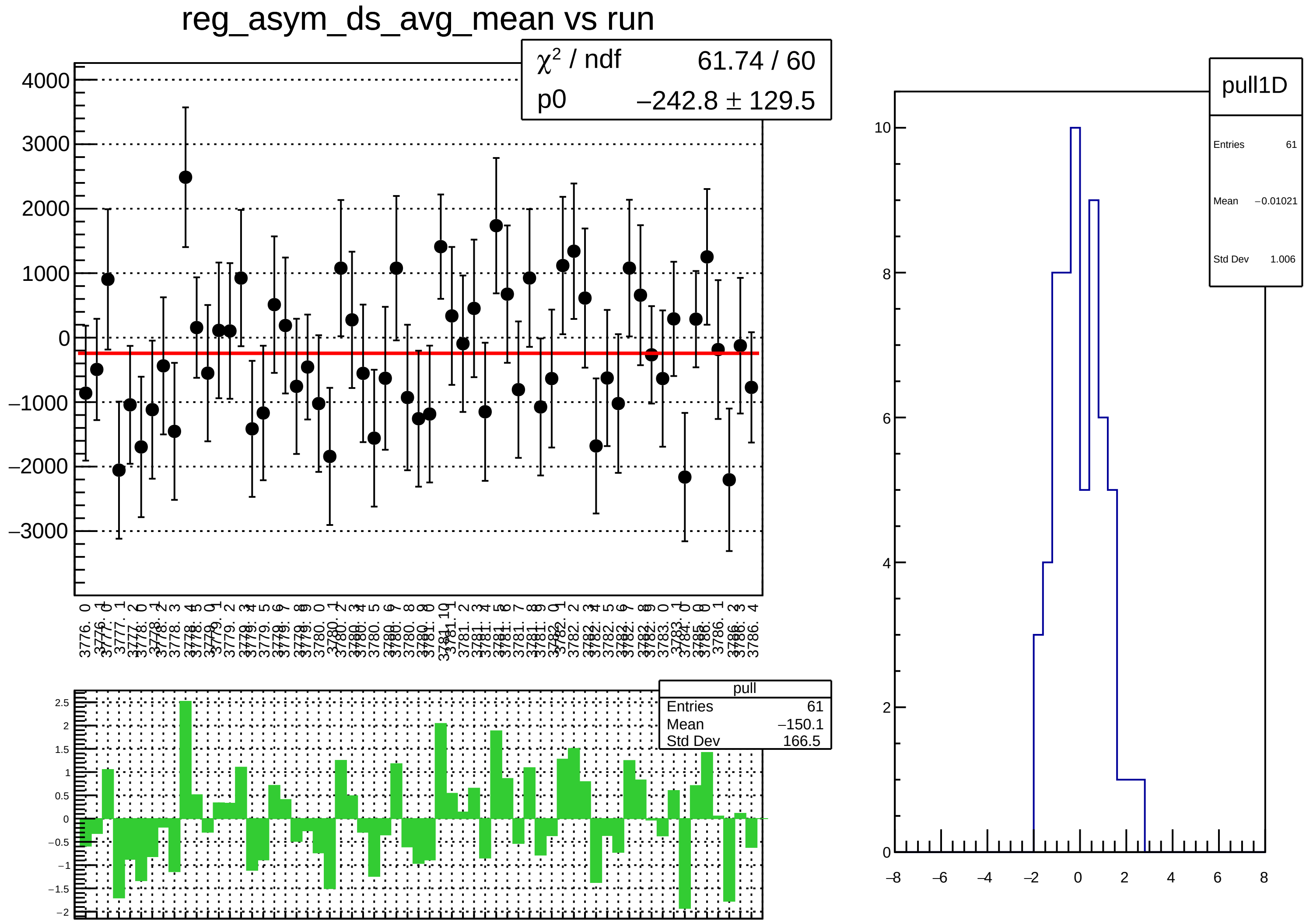
reg_asym_us_dd_rms vs run
χ2 / ndf 2825 / 60
p0 94.07 ± 0.08545
120
115
110
105
100
95
90

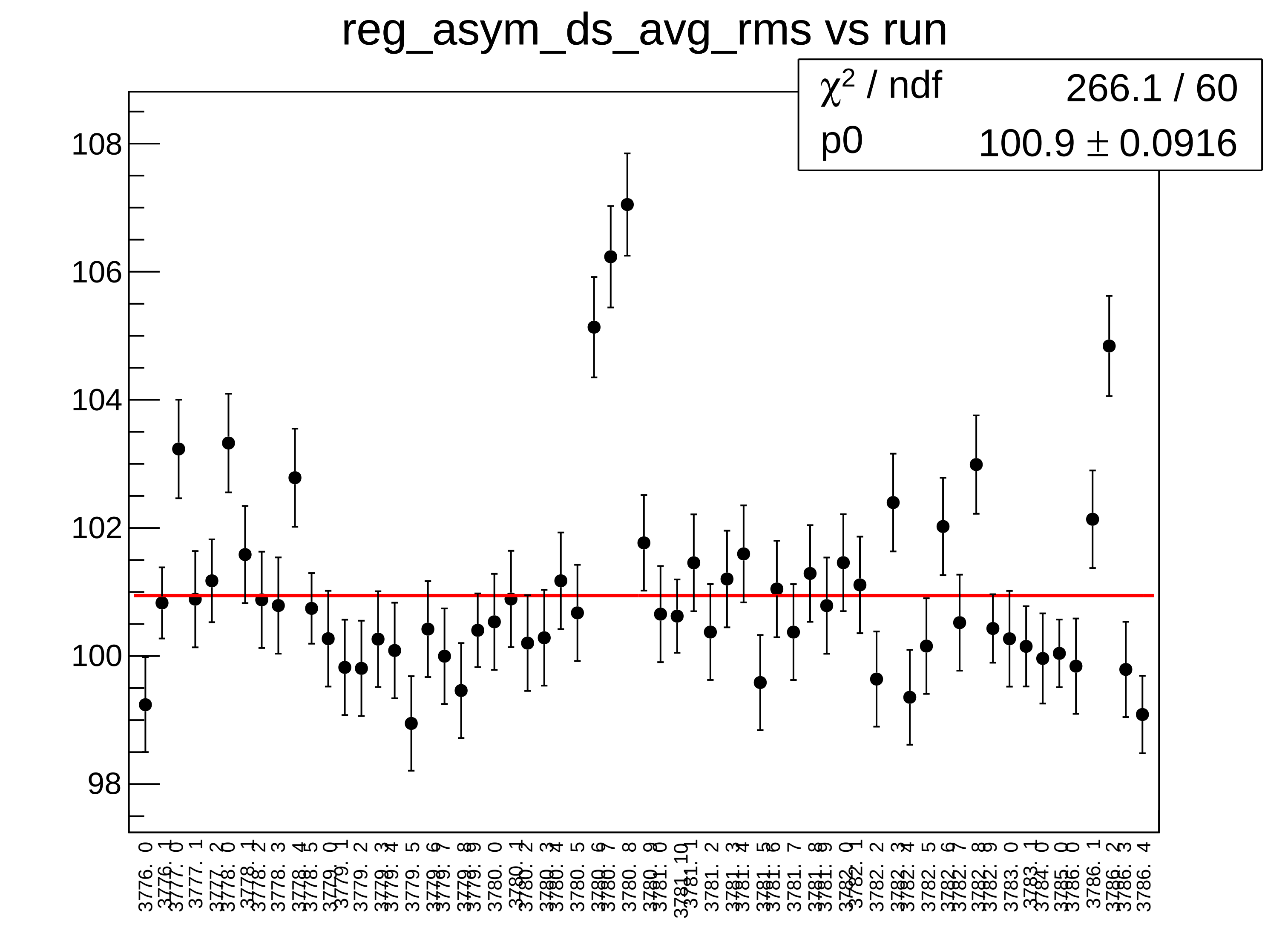

asym_us_dd_correction_mean vs run
χ2 / ndf 50.92 / 60
p0 −387.1 ± 695.2
pull
Entries 61
Mean −11.71
Std Dev 29.11
pull1D
Entries 61
Mean −0.01045
Std Dev 0.9136

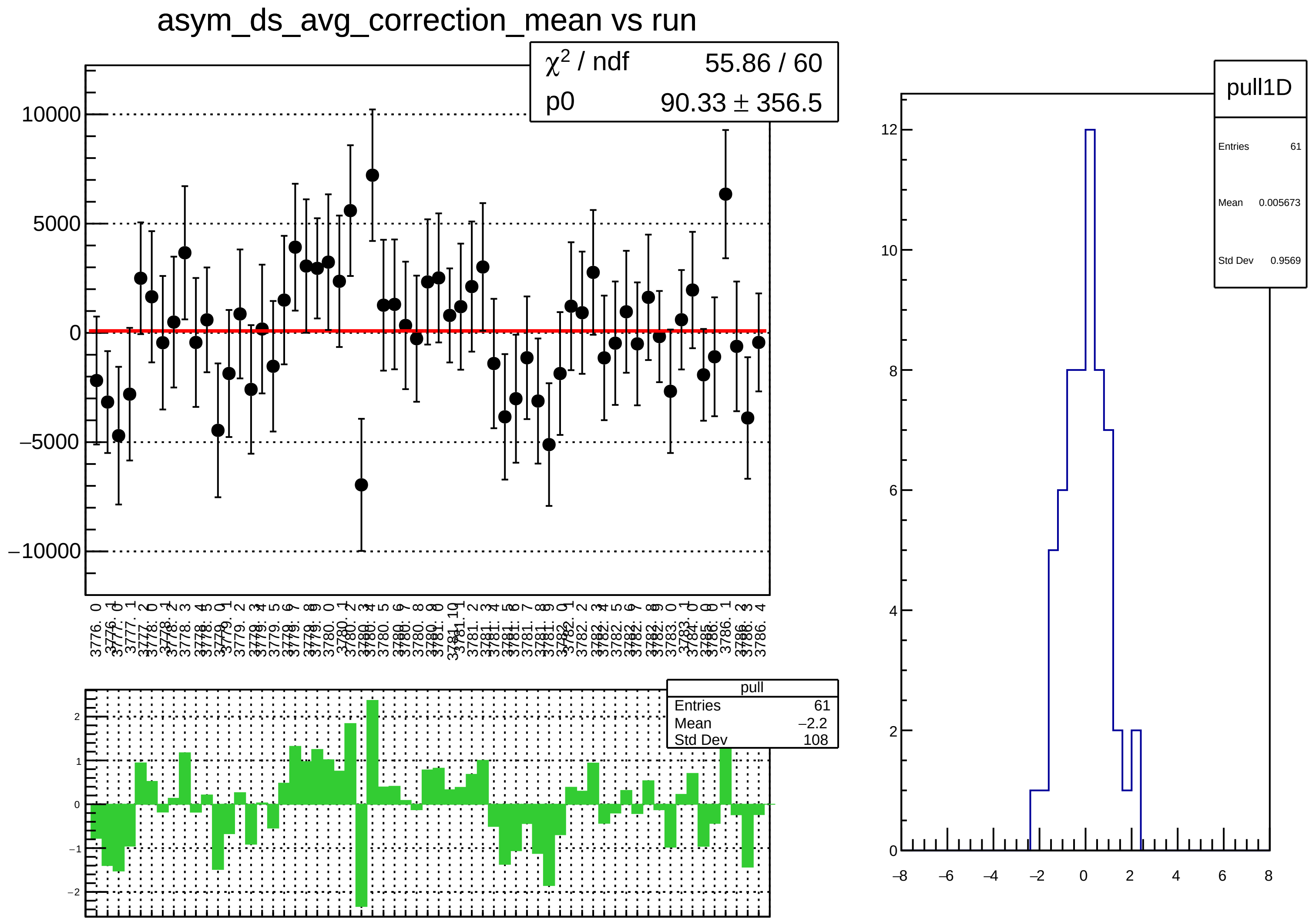

asym_us_dd_correction_rms vs run
χ^2 / ndf 2437 / 60
p0 541.2 ± 0.4916
680
660
640
620
600
580
560
540
520
500


asym_us_dd_mean vs run
χ^2 / ndf 51.78 / 60
p0 583.5 ± 705.8
pull
Entries 61
Mean 23.61
Std Dev 37.04
pull1D
Entries 61
Mean 0.009812
Std Dev 0.9213

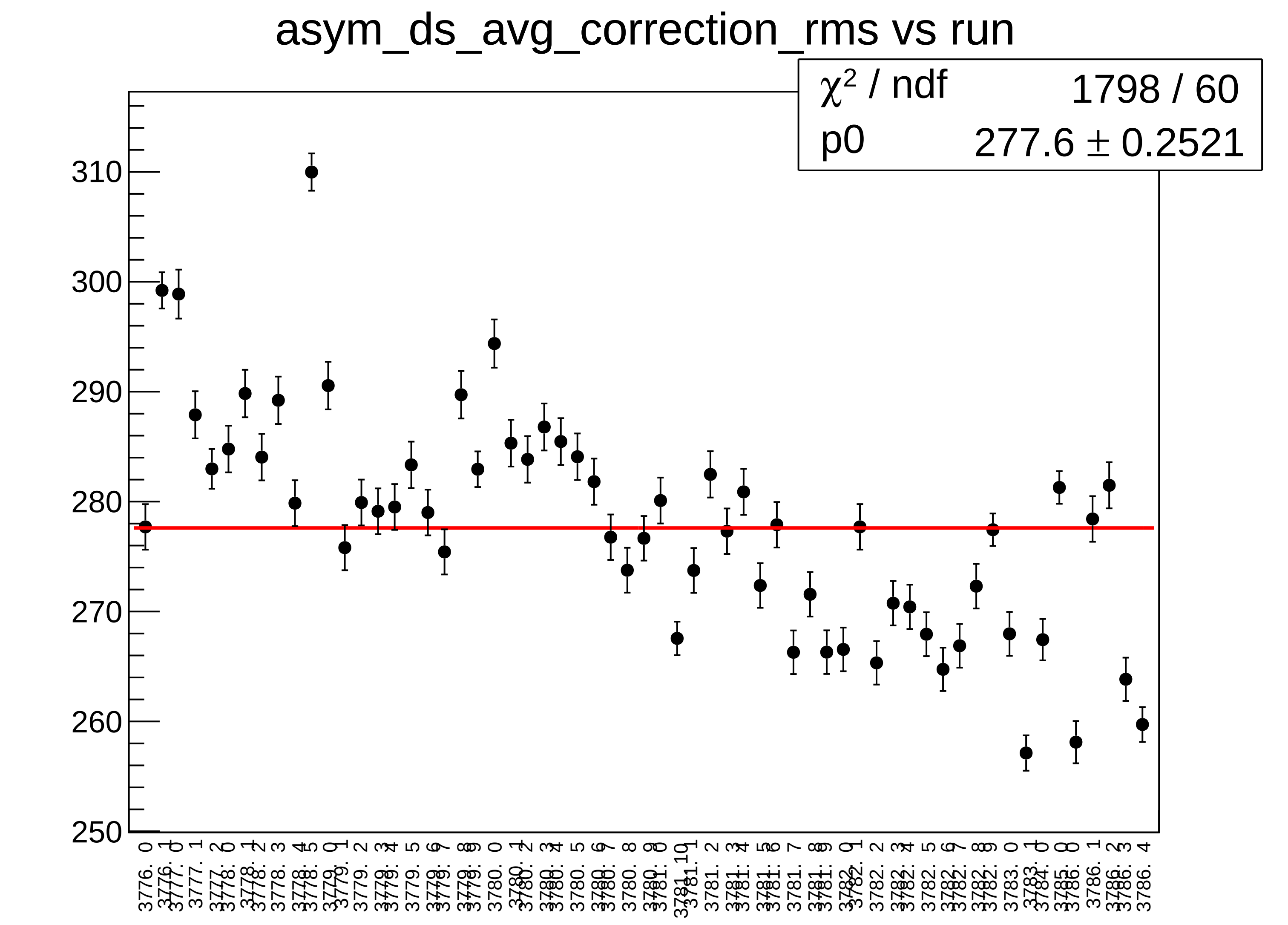

asym_us_dd_rms vs run
χ2 / ndf 2299 / 60
p0 549.5 ± 0.4991
680
660
640
620
600
580
560
540
520
500


reg_asym_ds_avg_mean vs run
χ2 / ndf 61.74 / 60
p0 −242.8 ± 129.5
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 61
Mean −150.1
Std Dev 166.5
pull1D
Entries 61
Mean −0.01021
Std Dev 1.006

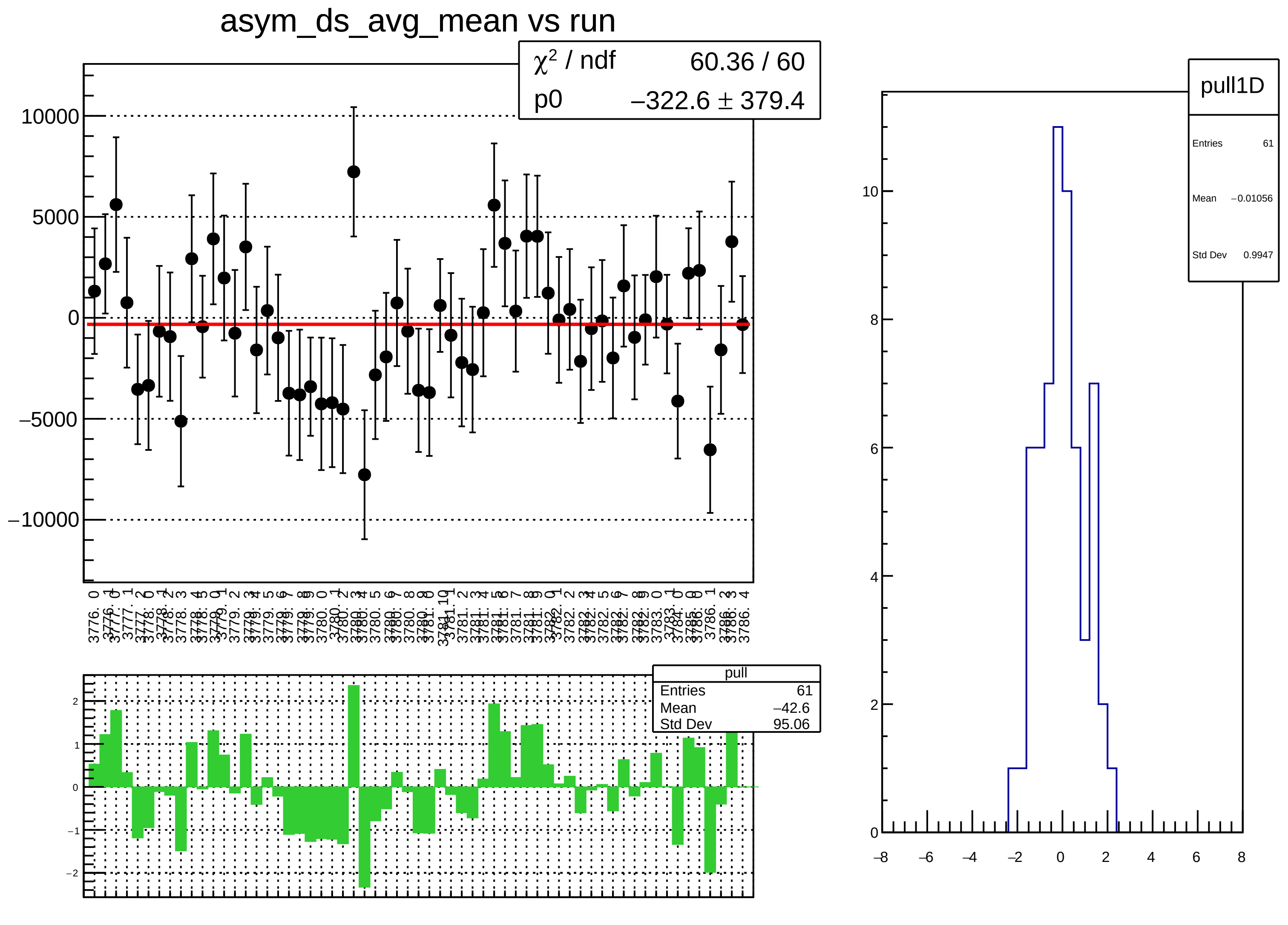

reg_asym_ds_avg_rms vs run
χ^2 / ndf 266.1 / 60
p0 100.9 ± 0.0916
108
106
104
102
100
98



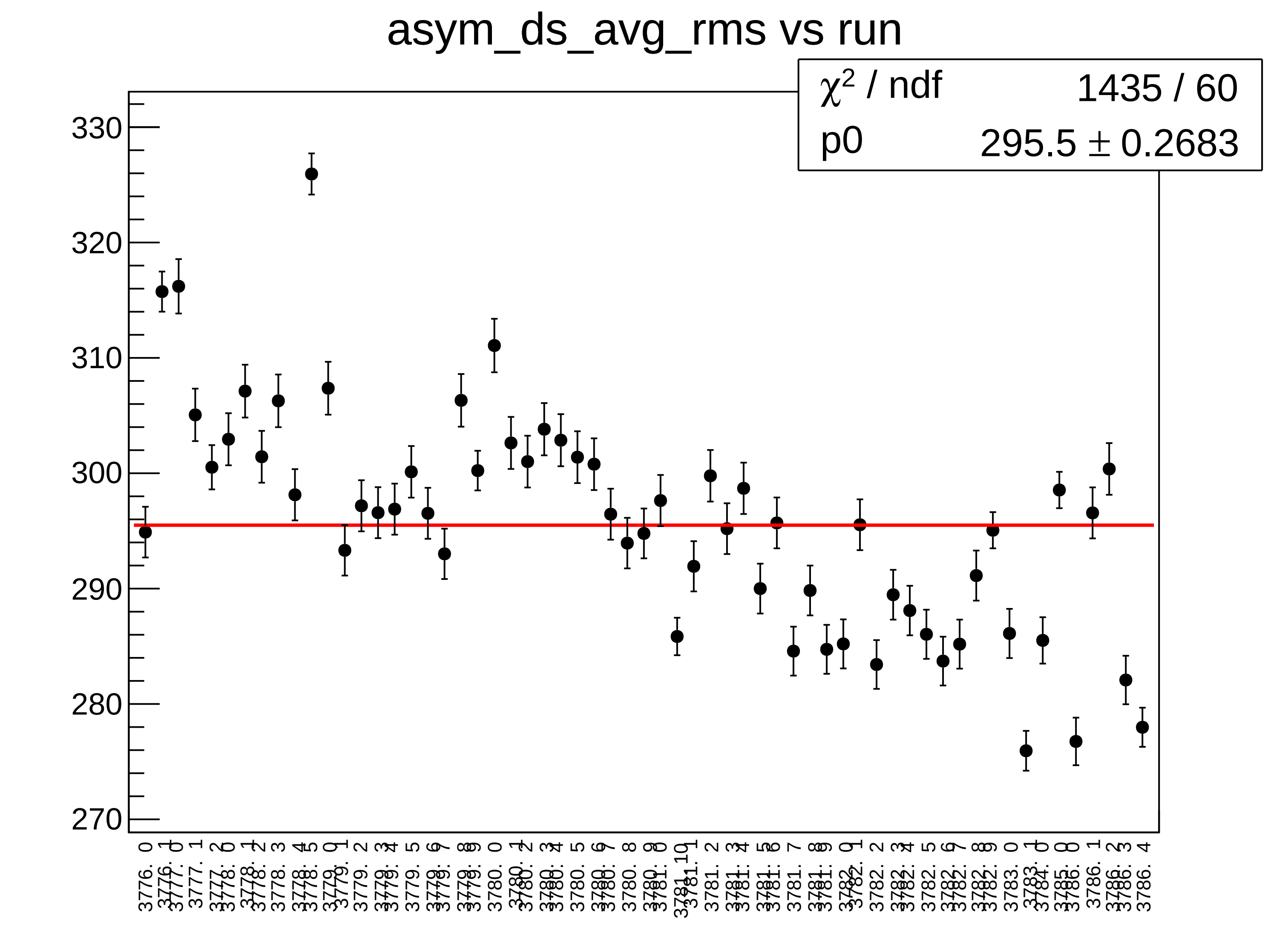
asym_ds_avg_correction_mean vs run
χ^2 / ndf 55.86 / 60
p0 90.33 ± 356.5
pull
Entries 61
Mean −2.2
Std Dev 108
pull1D
Entries 61
Mean 0.005673
Std Dev 0.9569



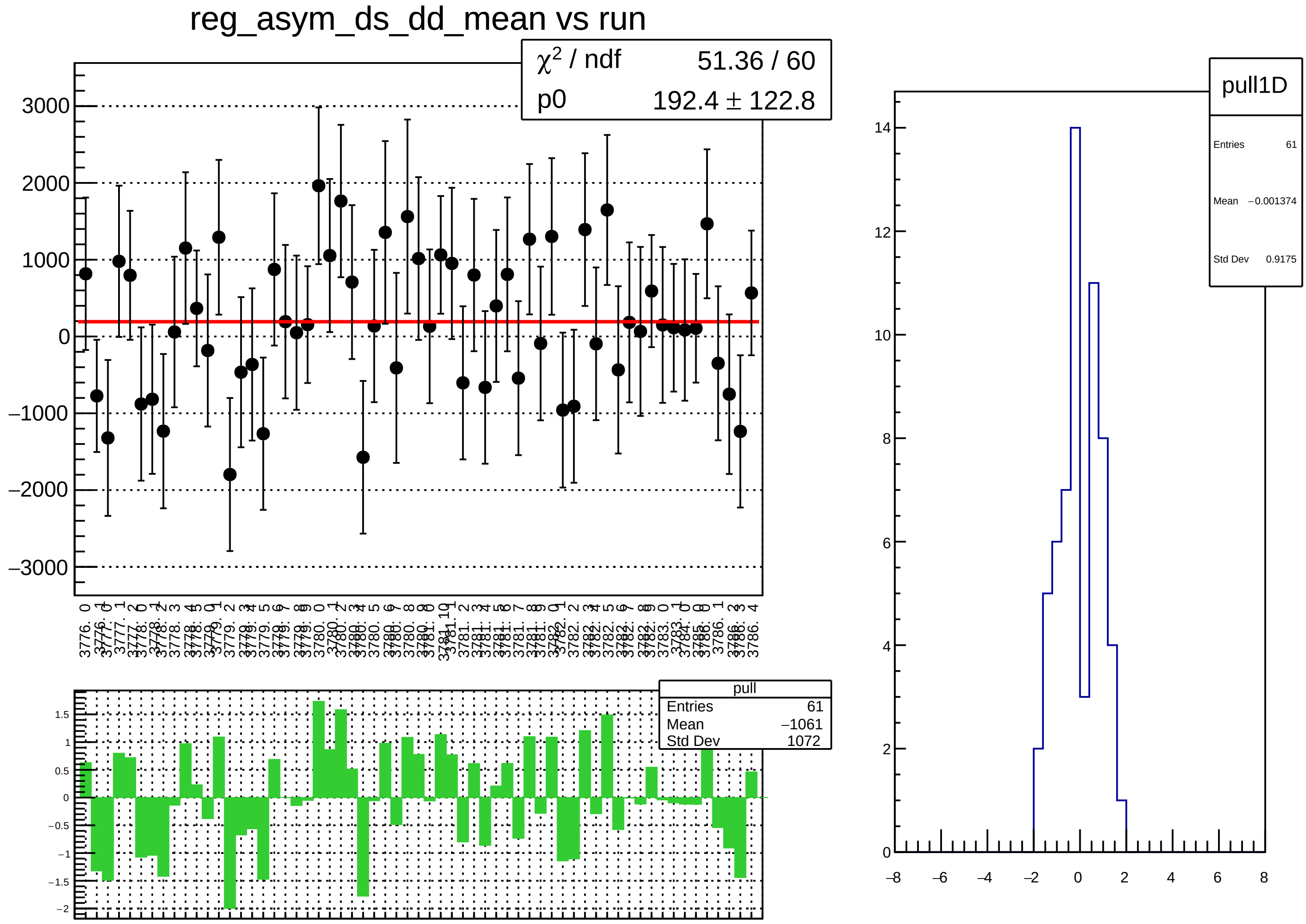
asym_ds_avg_correction_rms vs run
χ^2 / ndf 1798 / 60
p0 277.6 ± 0.2521
310
300
290
280
270
260
250

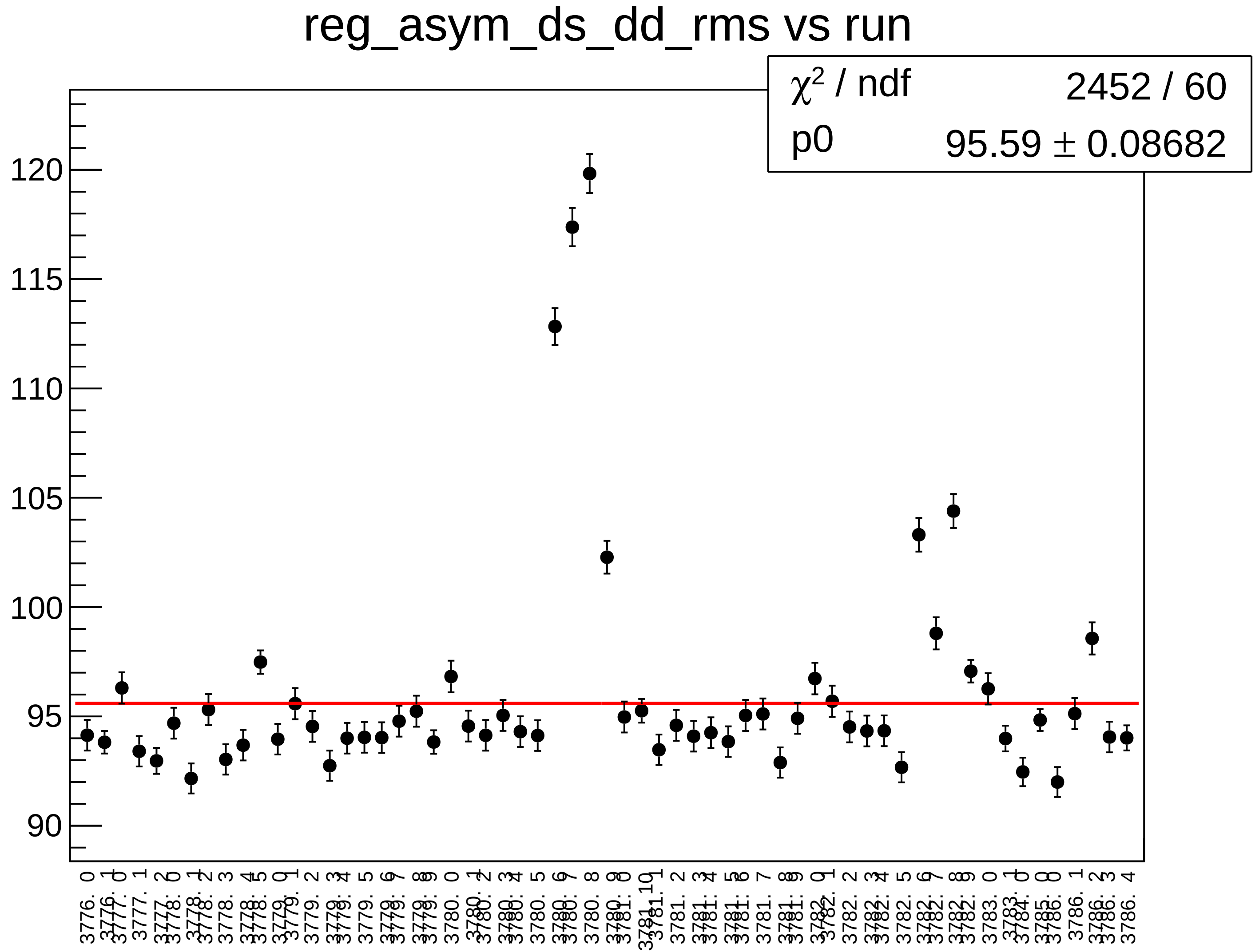


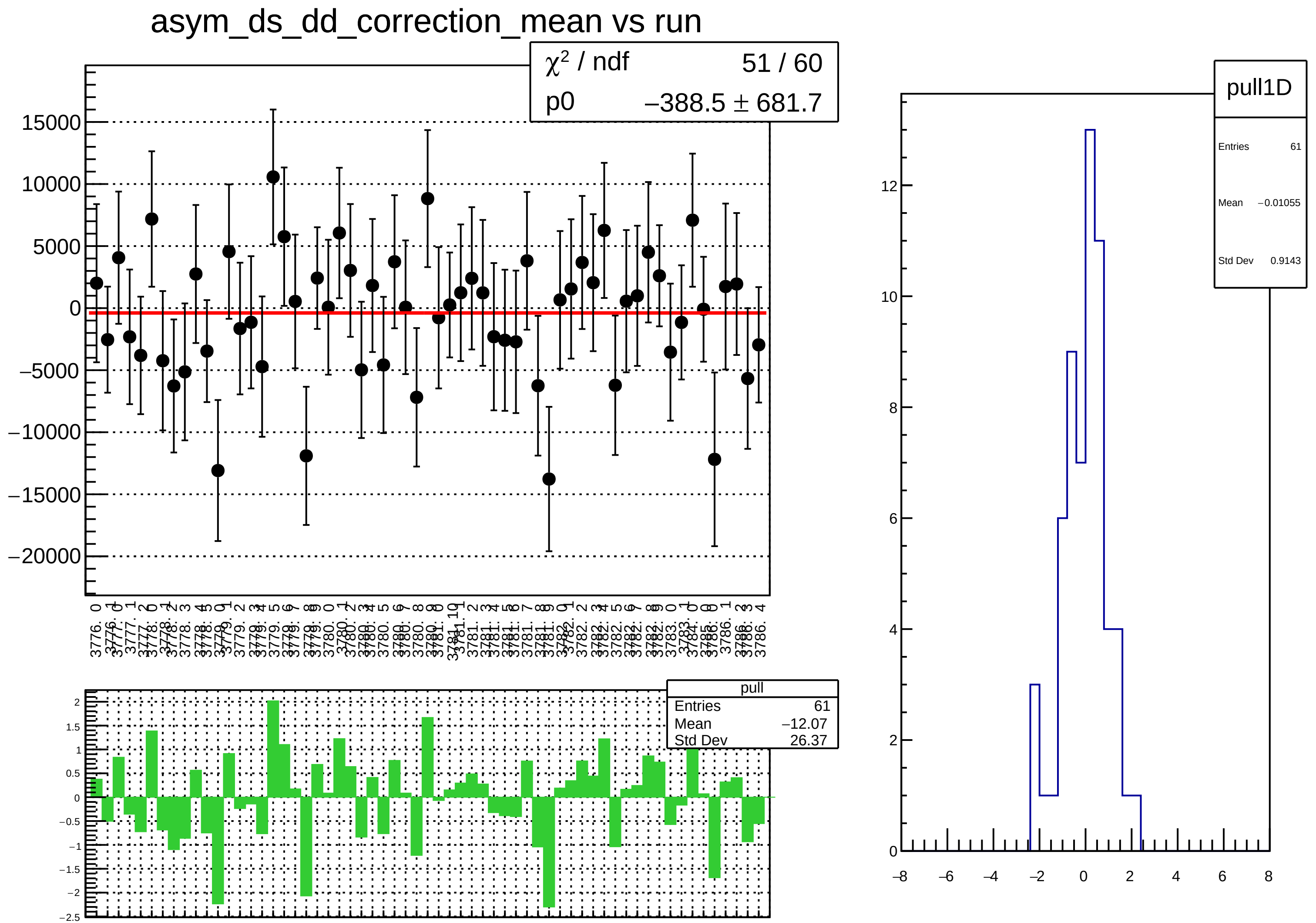
asym_ds_avg_mean vs run
χ^2 / ndf 60.36 / 60
p0 −322.6 ± 379.4
pull
Entries 61
Mean −42.6
Std Dev 95.06
pull1D
Entries 61
Mean −0.01056
Std Dev 0.9947



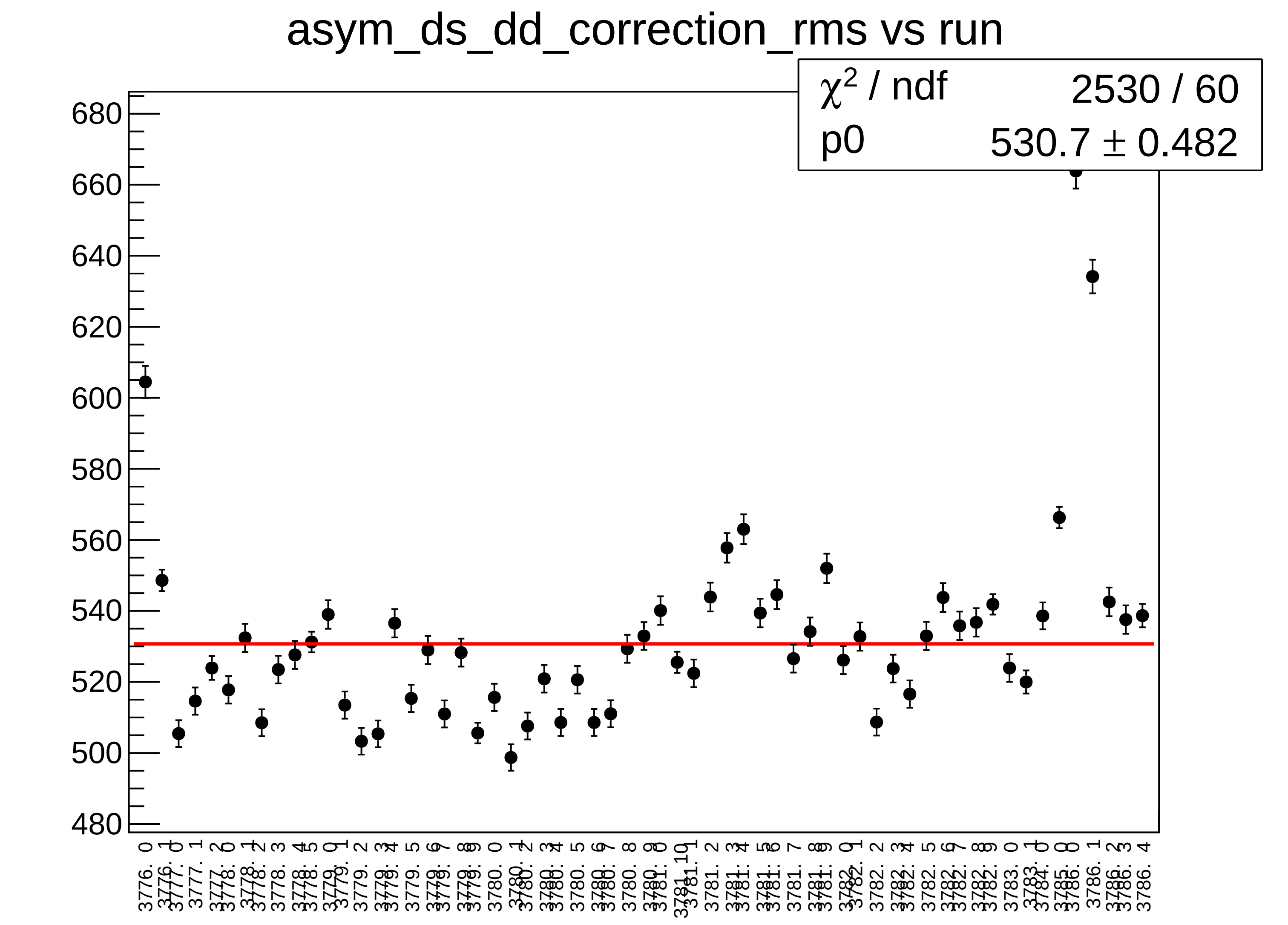
asym_ds_avg_rms vs run
χ2 / ndf 1435 / 60
p0 295.5 ± 0.2683

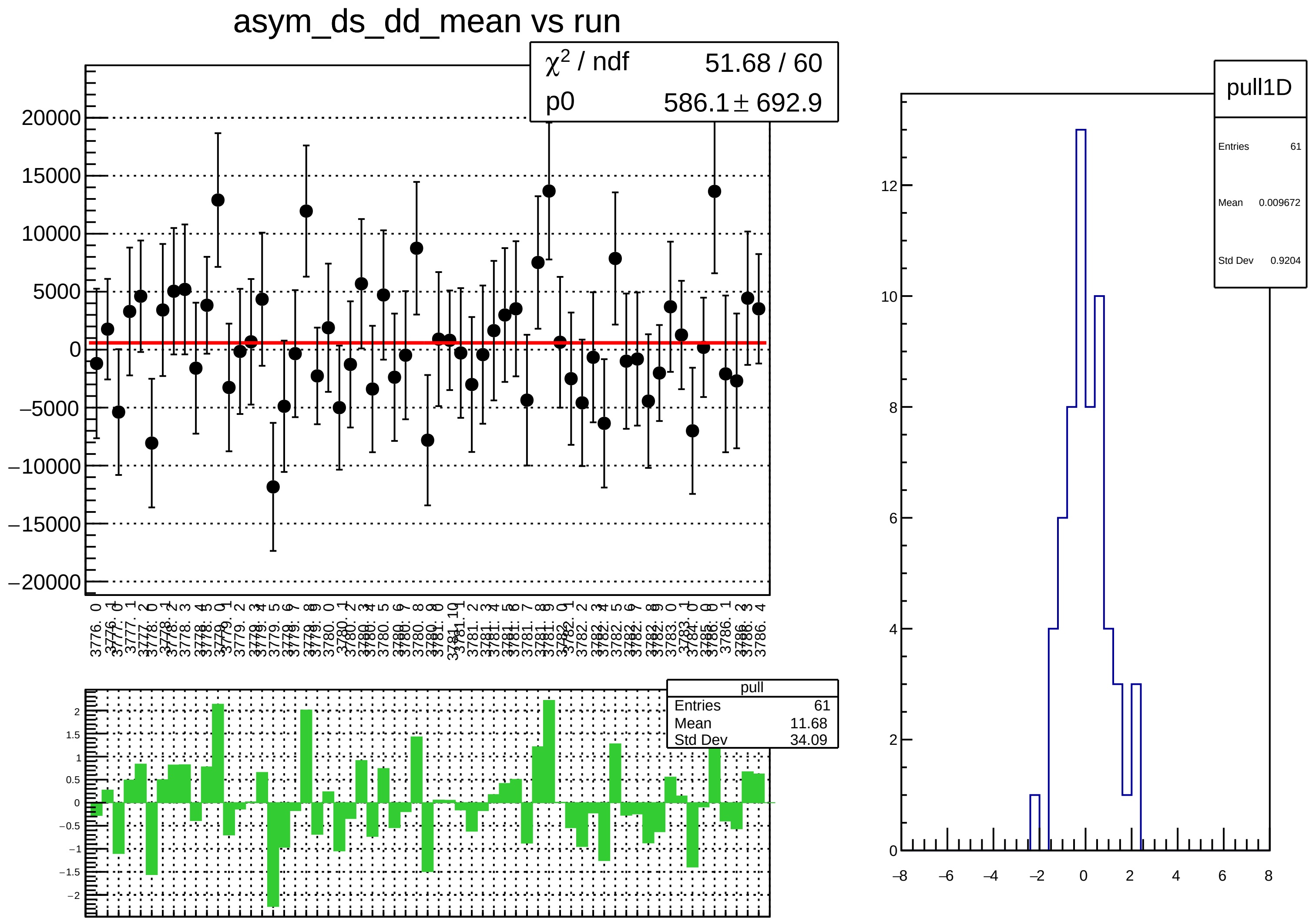

reg_asym_ds_dd_mean vs run
χ^2 / ndf 51.36 / 60
p0 192.4 ± 122.8
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 61
Mean −1061
Std Dev 1072
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 61
Mean −0.001374
Std Dev 0.9175
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_ds_dd_rms vs run
χ2 / ndf 2452 / 60
p0 95.59 ± 0.08682
120
115
110
105
100
95
90

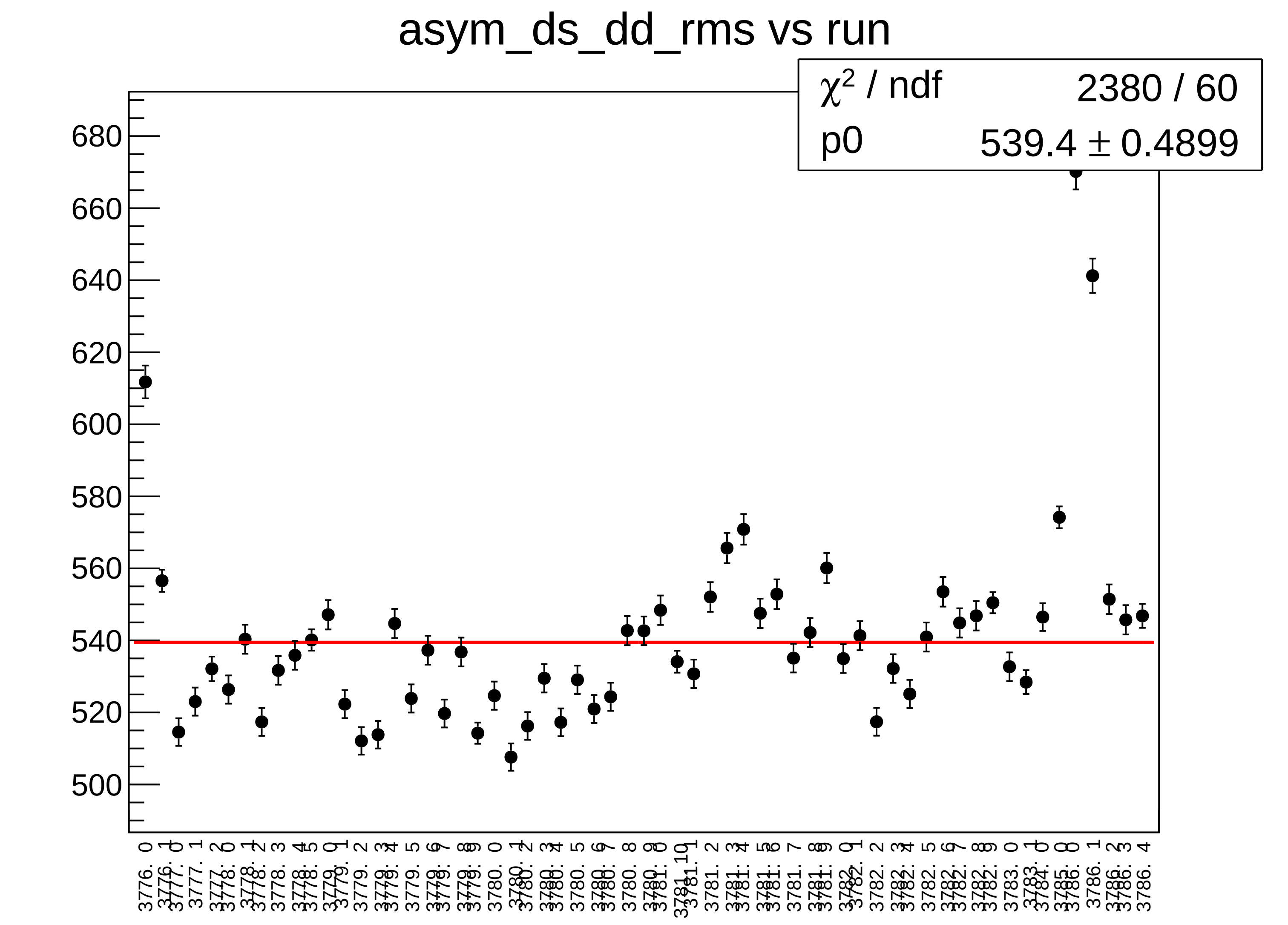


asym_ds_dd_correction_mean vs run
χ^2 / ndf 51 / 60
p0 −388.5 ± 681.7
pull
Entries 61
Mean −12.07
Std Dev 26.37
pull1D
Entries 61
Mean −0.01055
Std Dev 0.9143

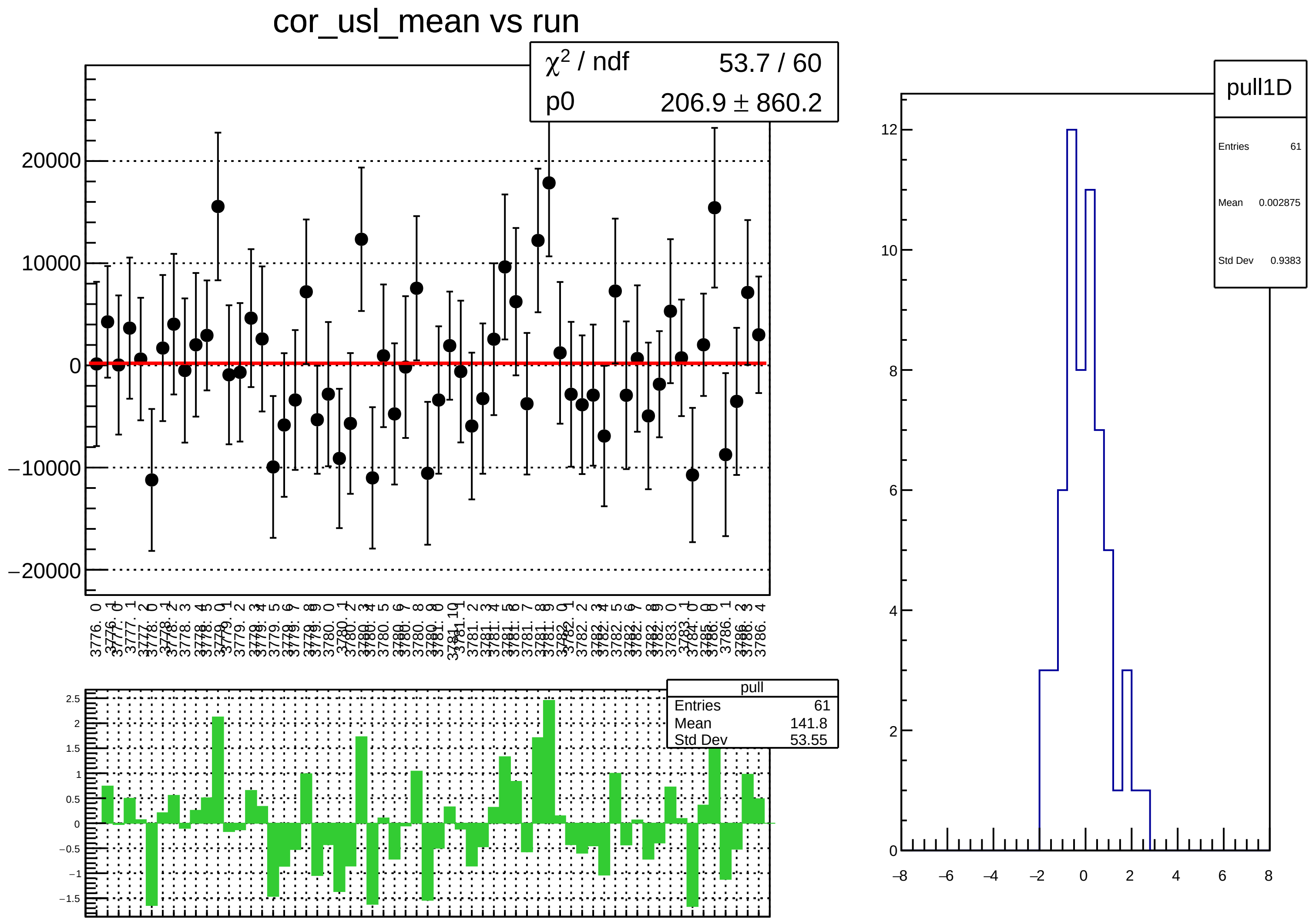

asym_ds_dd_correction_rms vs run
χ2 / ndf 2530 / 60
p0 530.7 ± 0.482
680
660
640
620
600
580
560
540
520
500
480



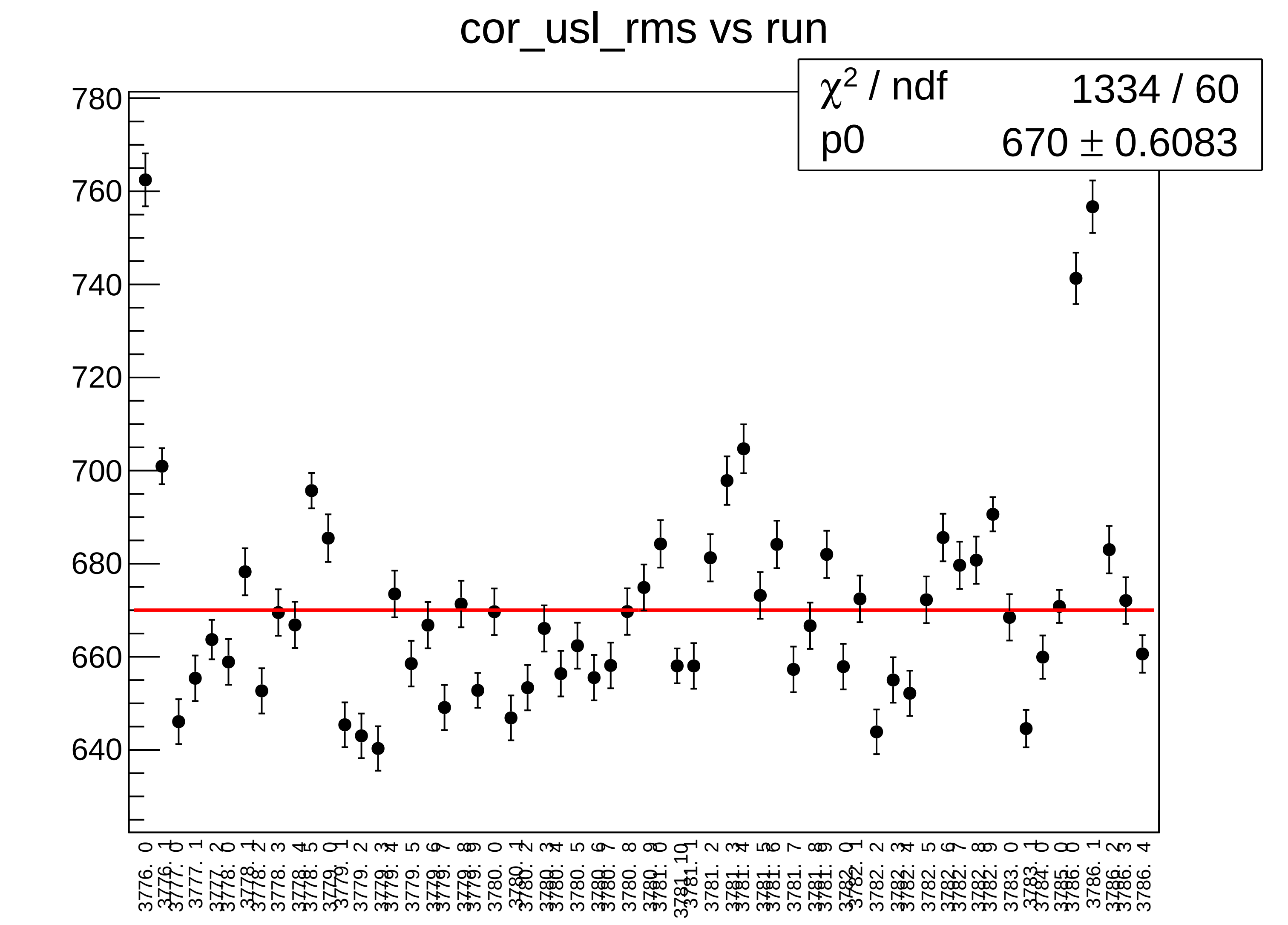
asym_ds_dd_mean vs run
χ^2 / ndf 51.68 / 60
p0 586.1 ± 692.9
pull
Entries 61
Mean 11.68
Std Dev 34.09
pull1D
Entries 61
Mean 0.009672
Std Dev 0.9204



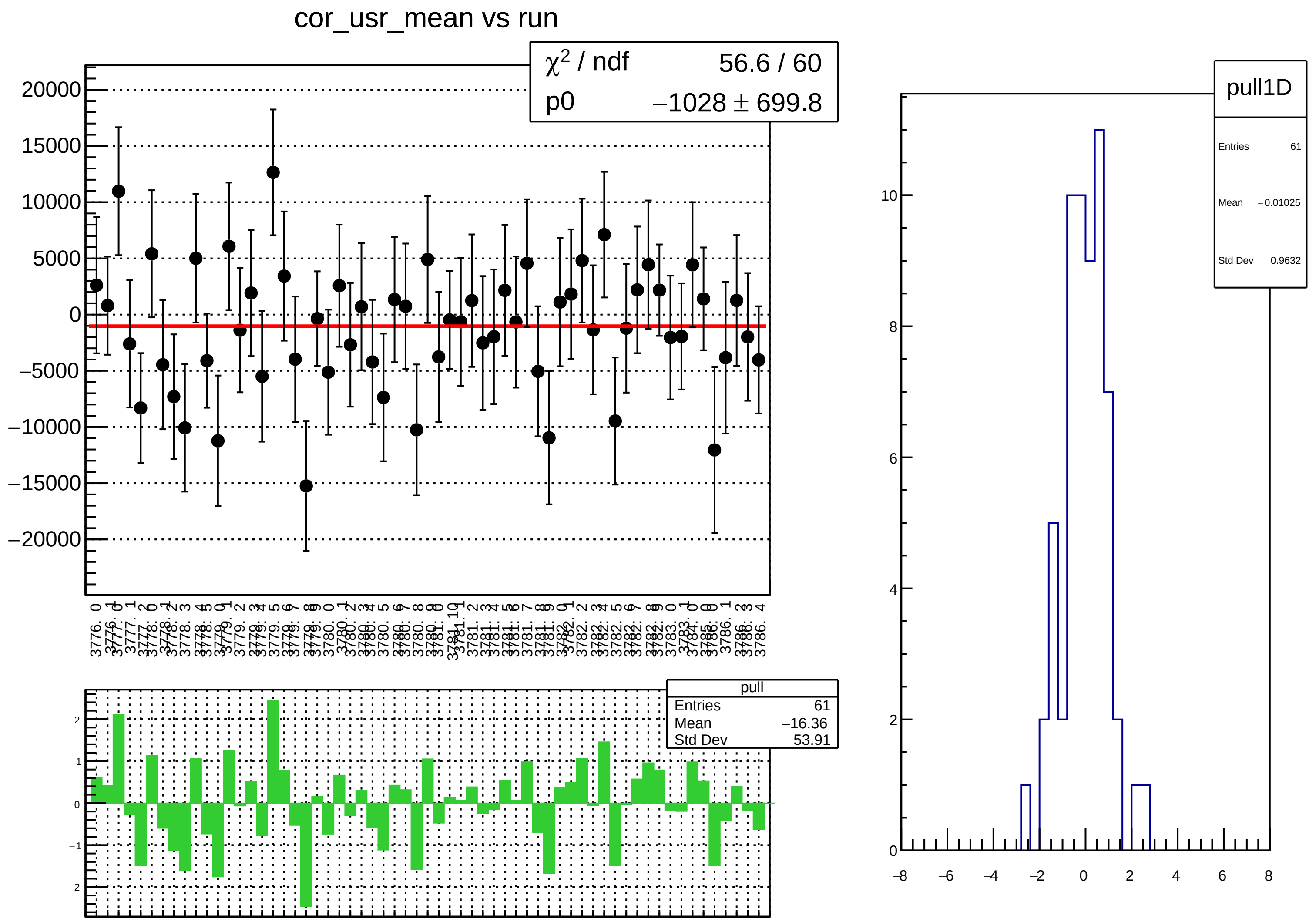
asym_ds_dd_rms vs run
χ^2 / ndf 2380 / 60
p0 539.4 ± 0.4899



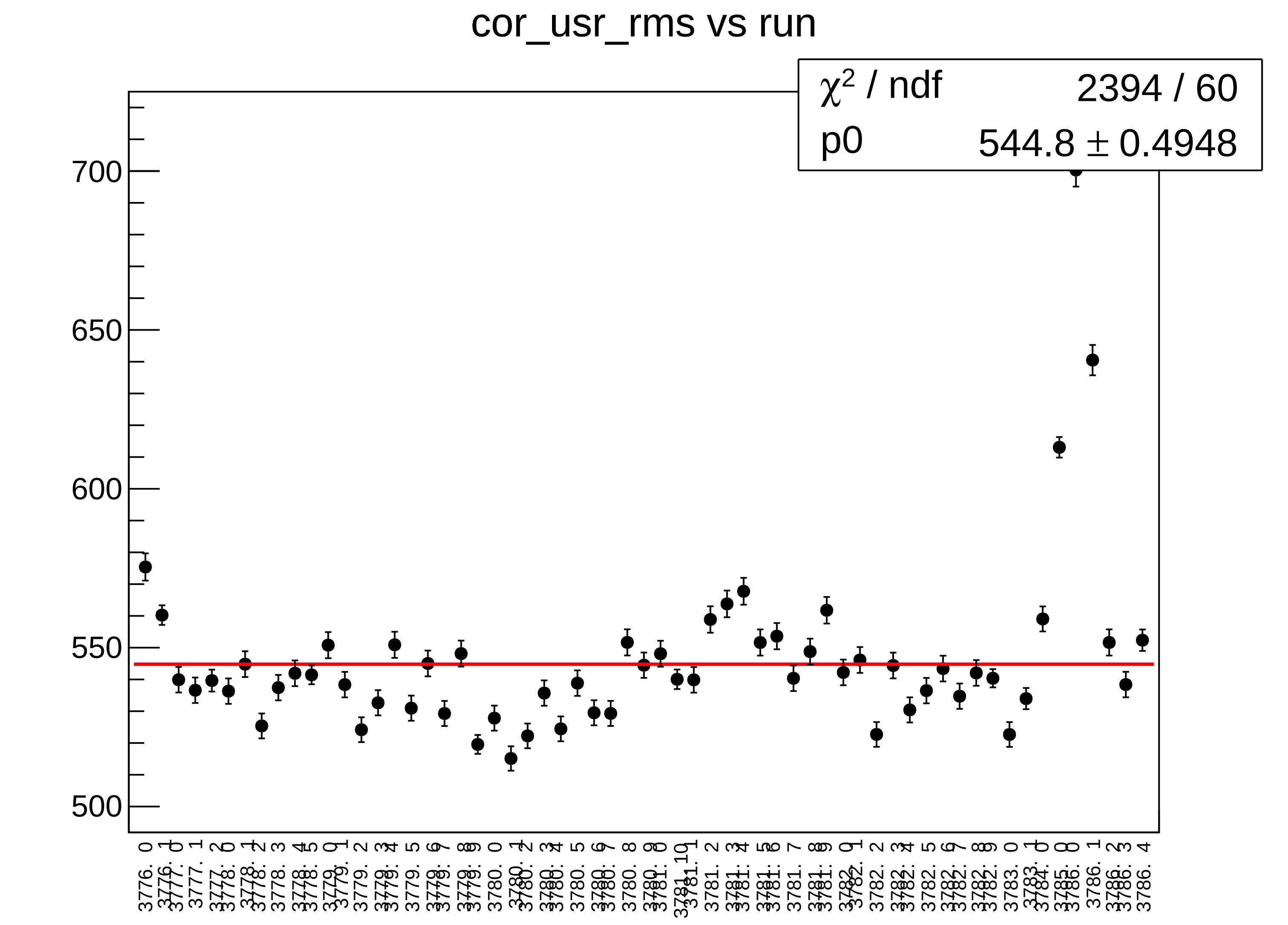
cor_usl_mean vs run
χ^2 / ndf 53.7 / 60
p0 206.9 ± 860.2
20000
10000
0
−10000
−20000
pull
Entries 61
Mean 141.8
Std Dev 53.55
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 61
Mean 0.002875
Std Dev 0.9383
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



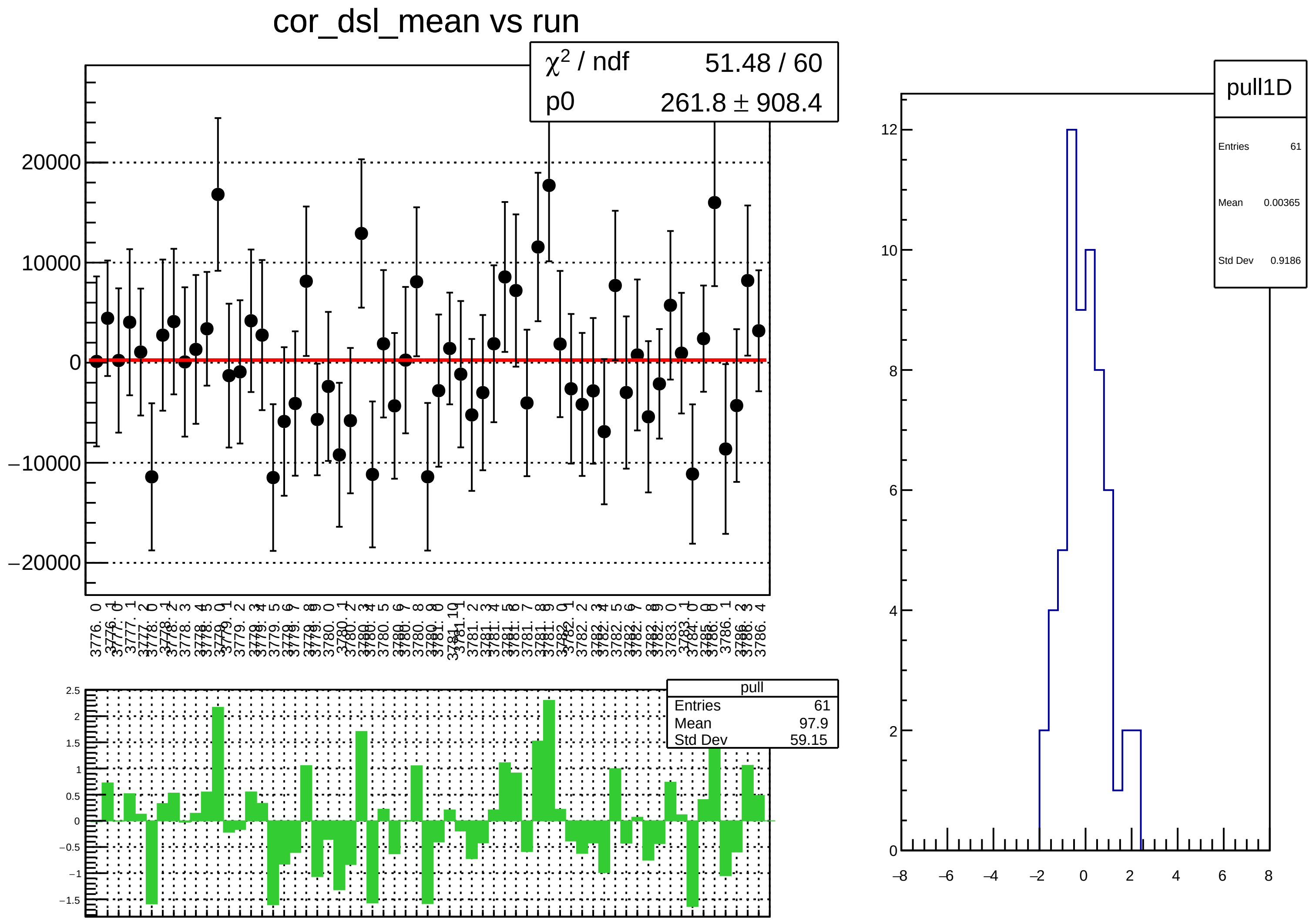
cor_usl_rms vs run
χ2 / ndf 1334 / 60
p0 670 ± 0.6083
780
760
740
720
700
680
660
640



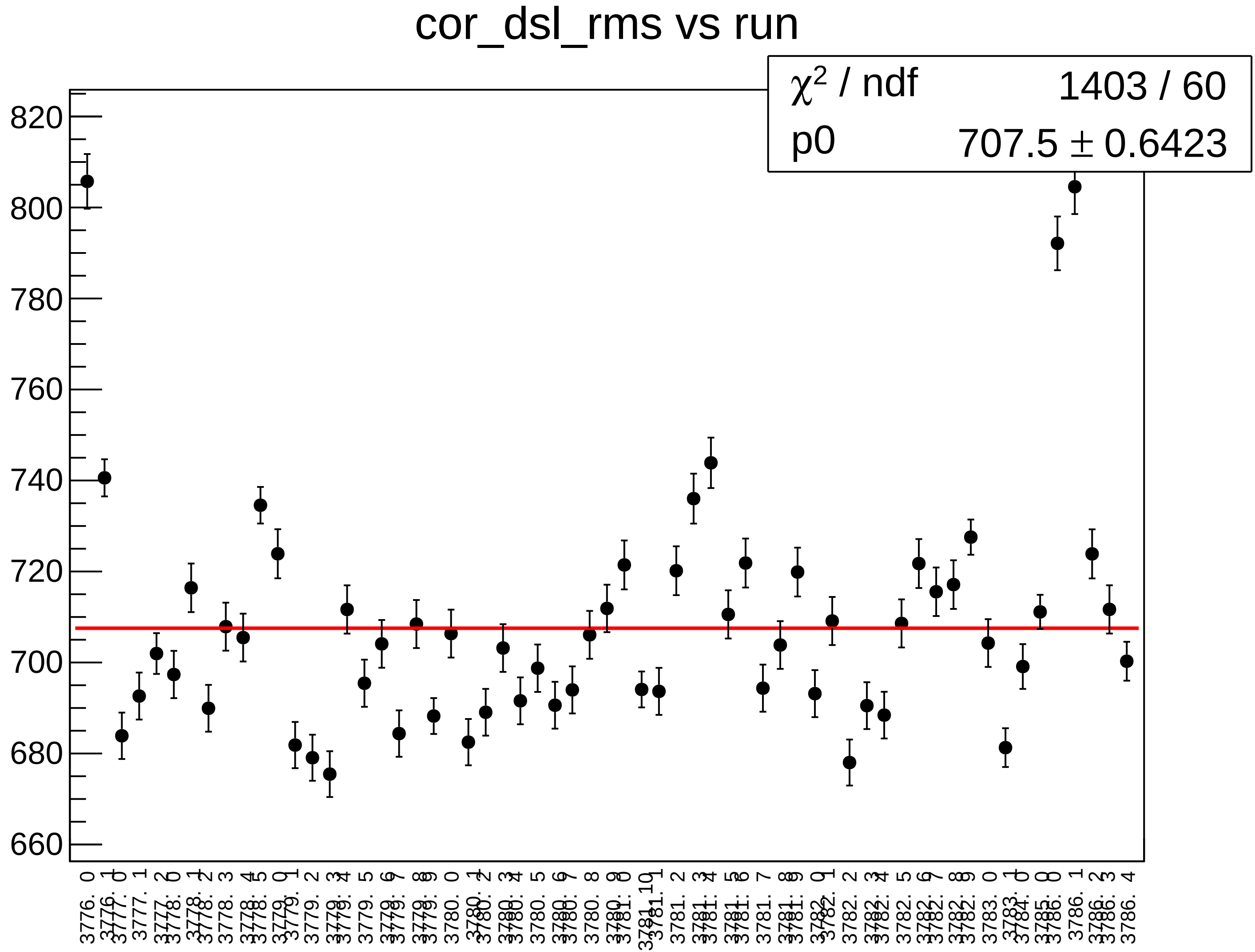
cor_usr_mean vs run
χ^2 / ndf 56.6 / 60
p0 −1028 ± 699.8
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 61
Mean −16.36
Std Dev 53.91
pull1D
Entries 61
Mean −0.01025
Std Dev 0.9632

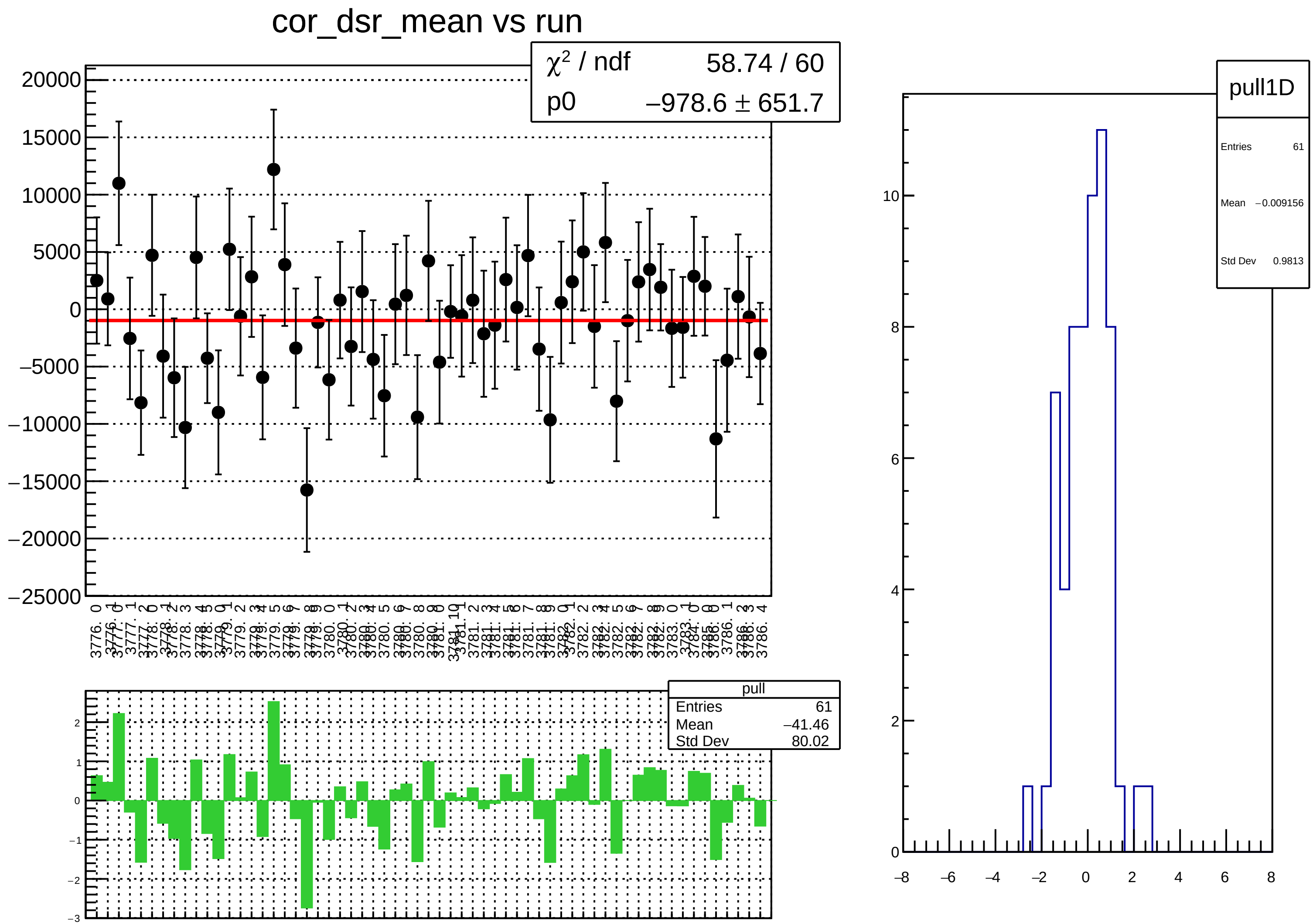


cor_usr_rms vs run
χ^2 / ndf 2394 / 60
p0 544.8 ± 0.4948
700
650
600
550
500

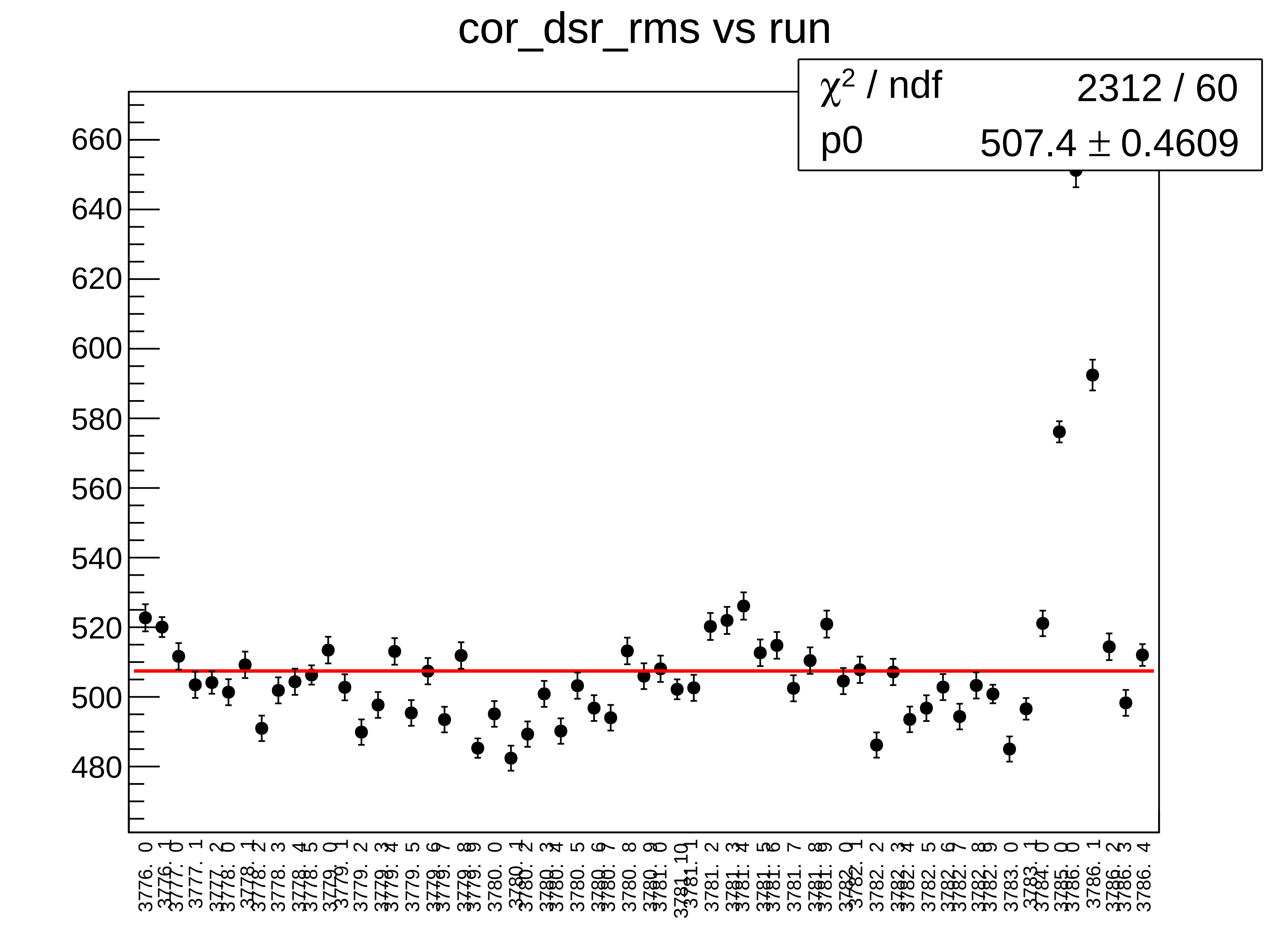


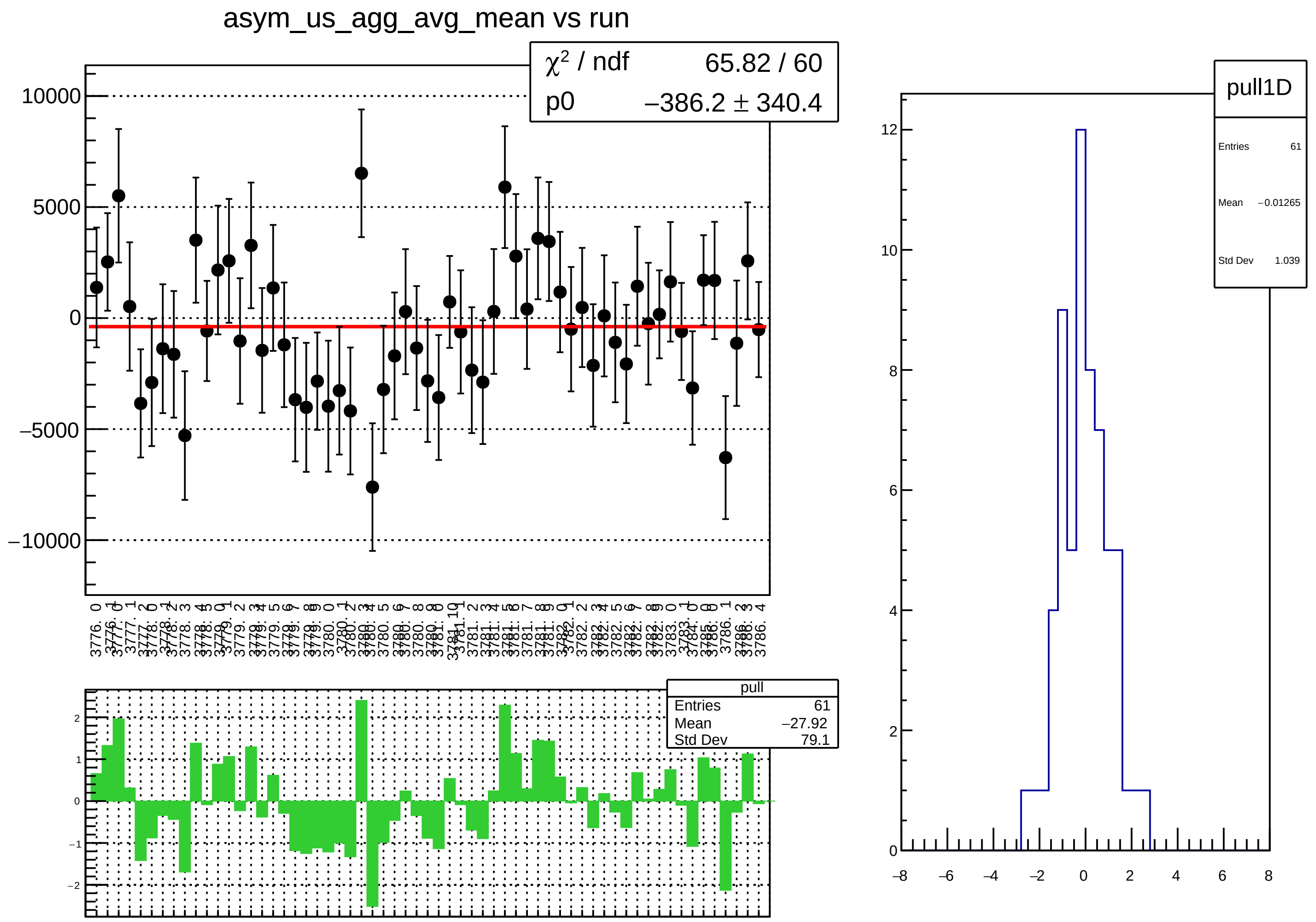
cor_dsl_mean vs run
χ2 / ndf 51.48 / 60
p0 261.8 ± 908.4
pull
Entries 61
Mean 97.9
Std Dev 59.15
pull1D
Entries 61
Mean 0.00365
Std Dev 0.9186


cor_dsl_rms vs run
χ2 / ndf 1403 / 60
p0 707.5 ± 0.6423
820
800
780
760
740
720
700
680
660

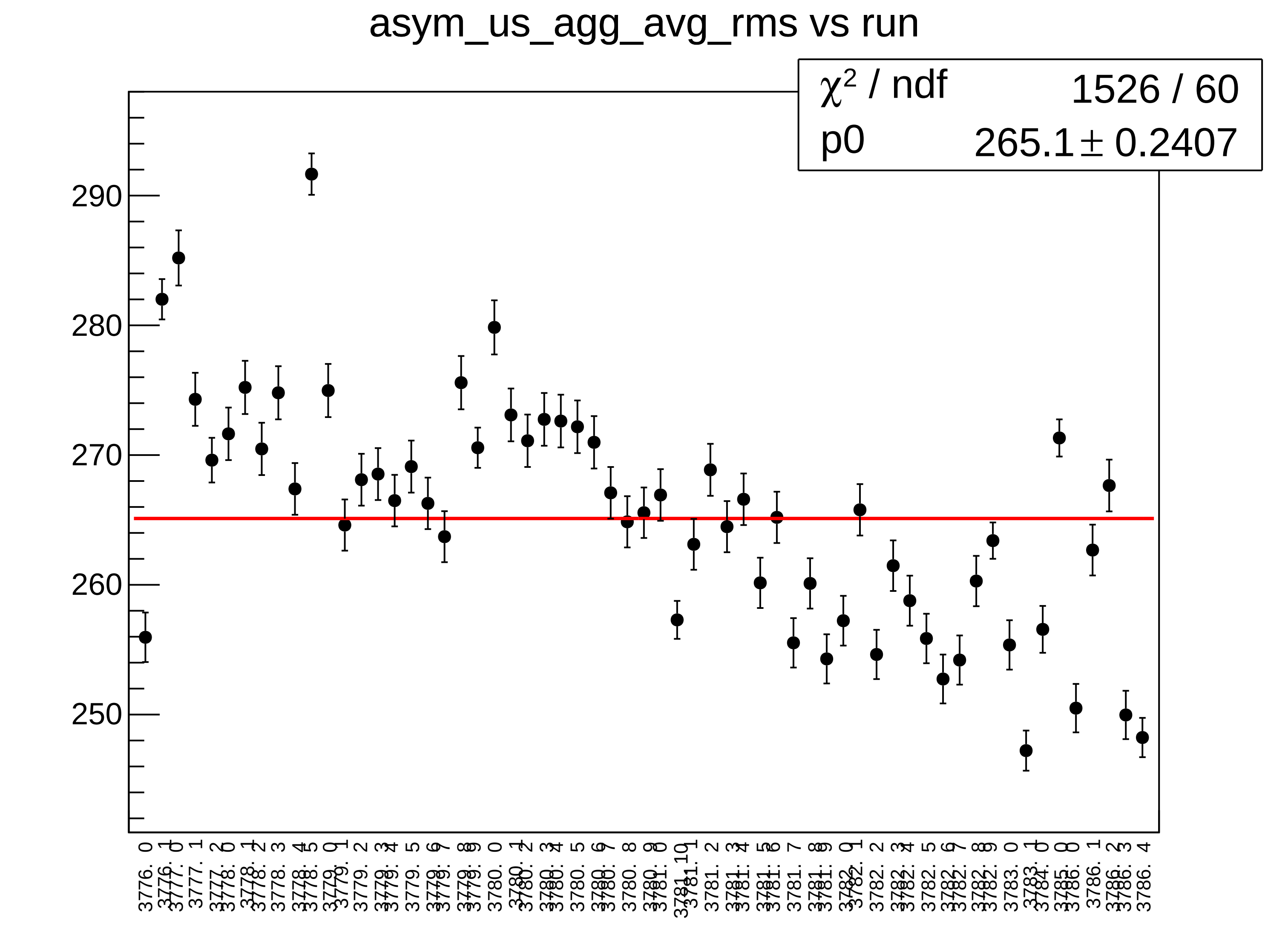


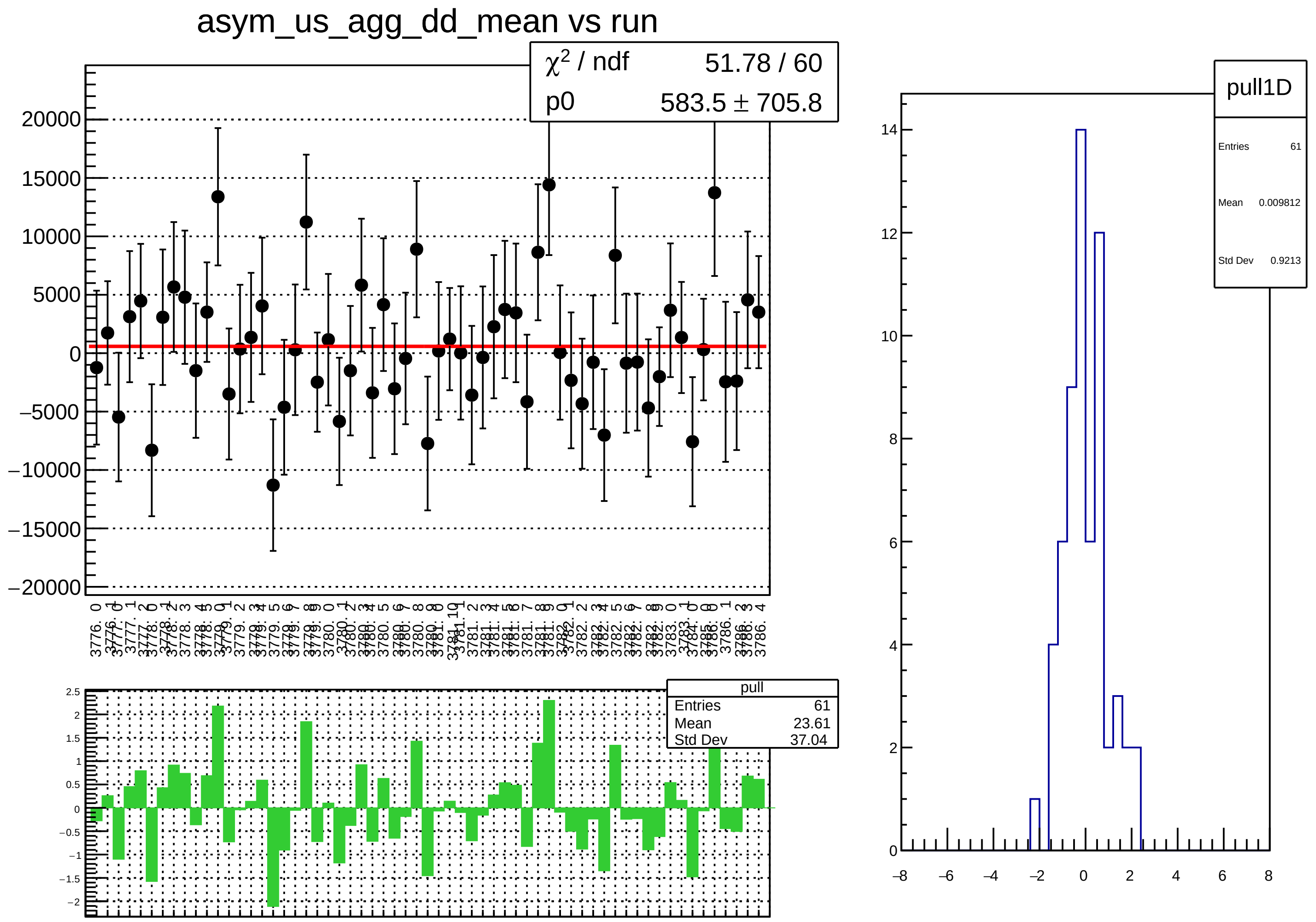
cor_dsr_mean vs run
χ2 / ndf 58.74 / 60
p0 −978.6 ± 651.7
pull
Entries 61
Mean −41.46
Std Dev 80.02
pull1D
Entries 61
Mean −0.009156
Std Dev 0.9813

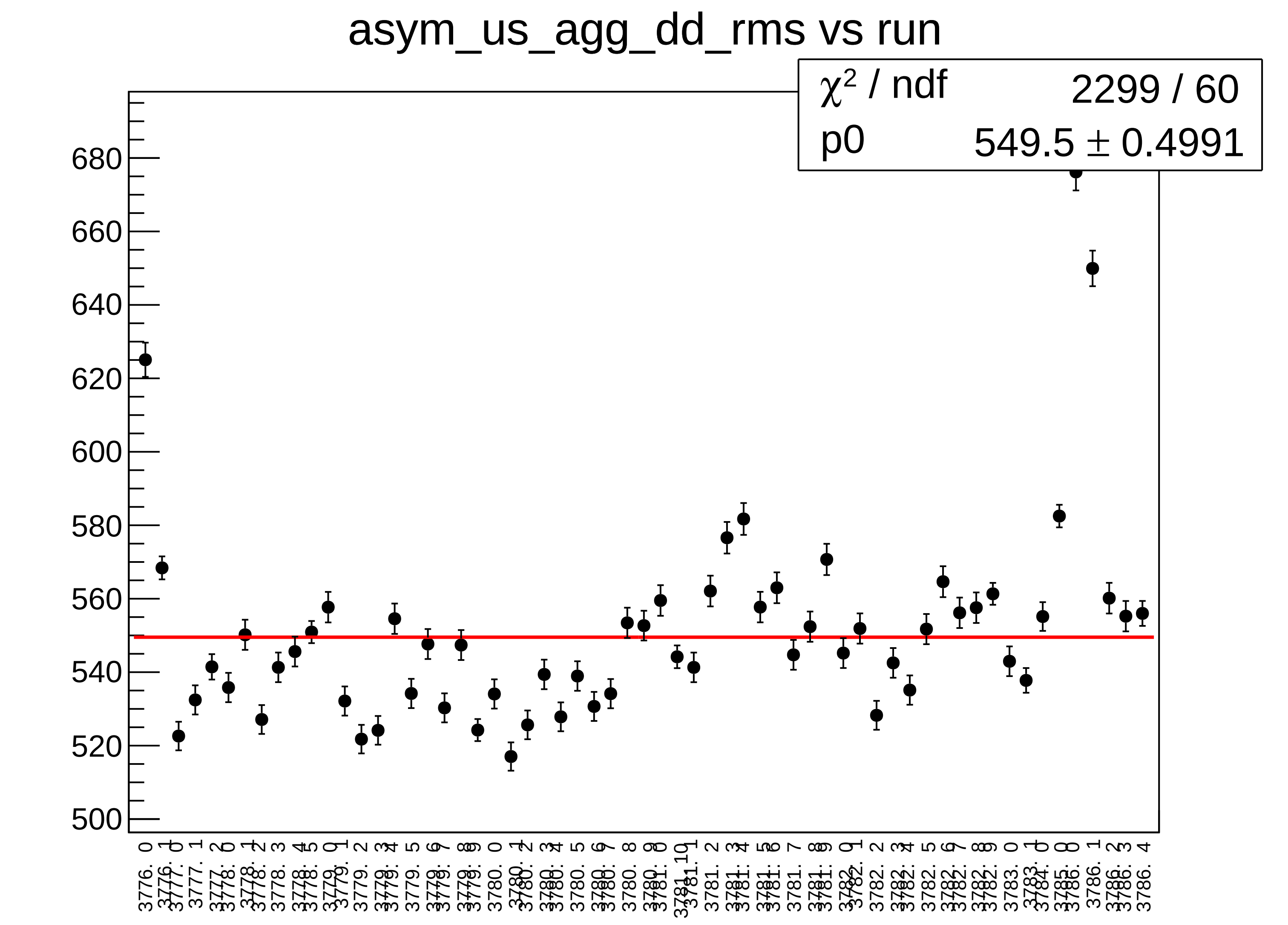

cor_dsr_rms vs run
χ2 / ndf 2312 / 60
p0 507.4 ± 0.4609
660
640
620
600
580
560
540
520
500
480



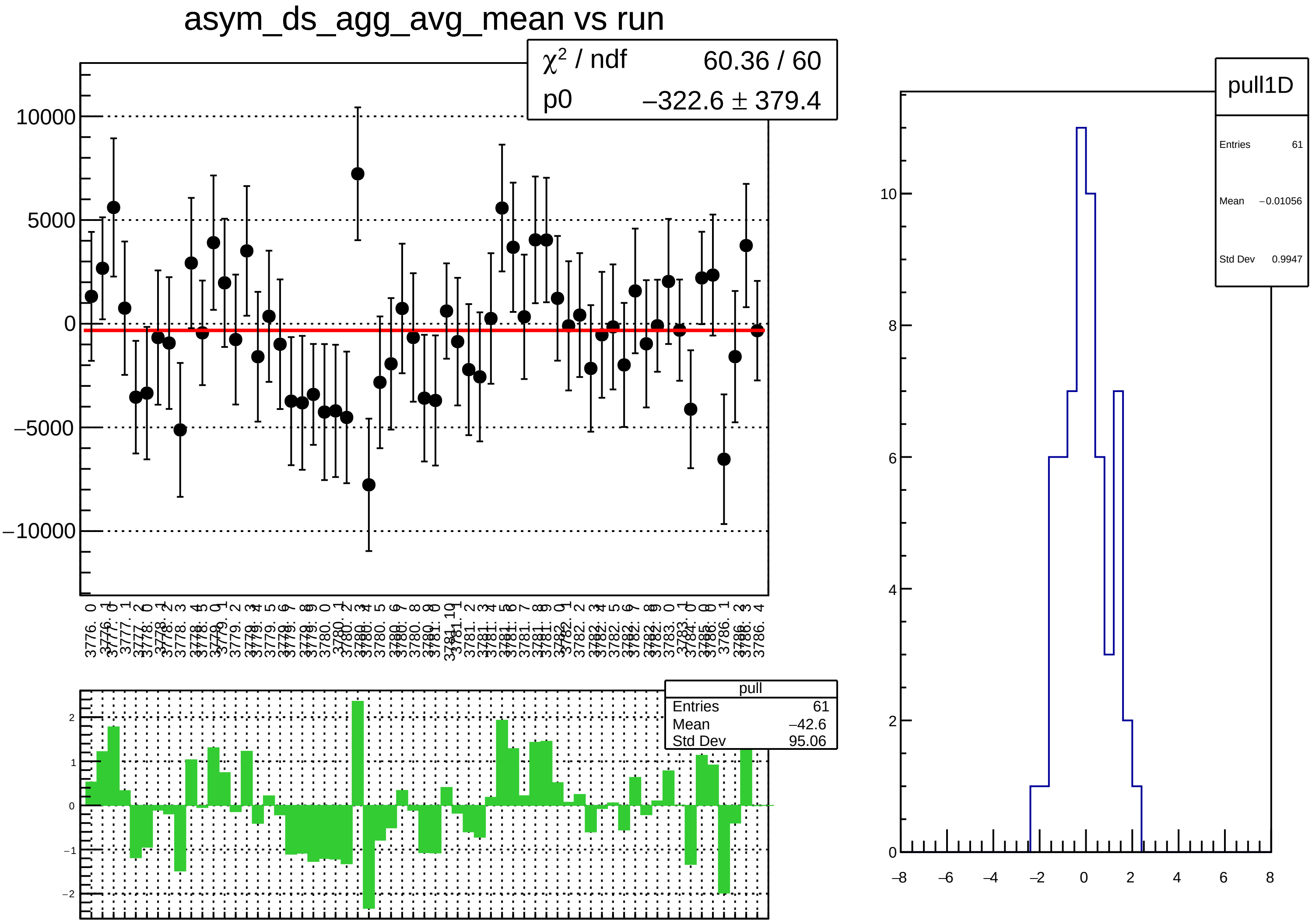
asym_us_agg_avg_mean vs run
χ2 / ndf 65.82 / 60
p0 −386.2 ± 340.4
10000
5000
0
−5000
−10000
pull
Entries 61
Mean −27.92
Std Dev 79.1
pull1D
Entries 61
Mean −0.01265
Std Dev 1.039

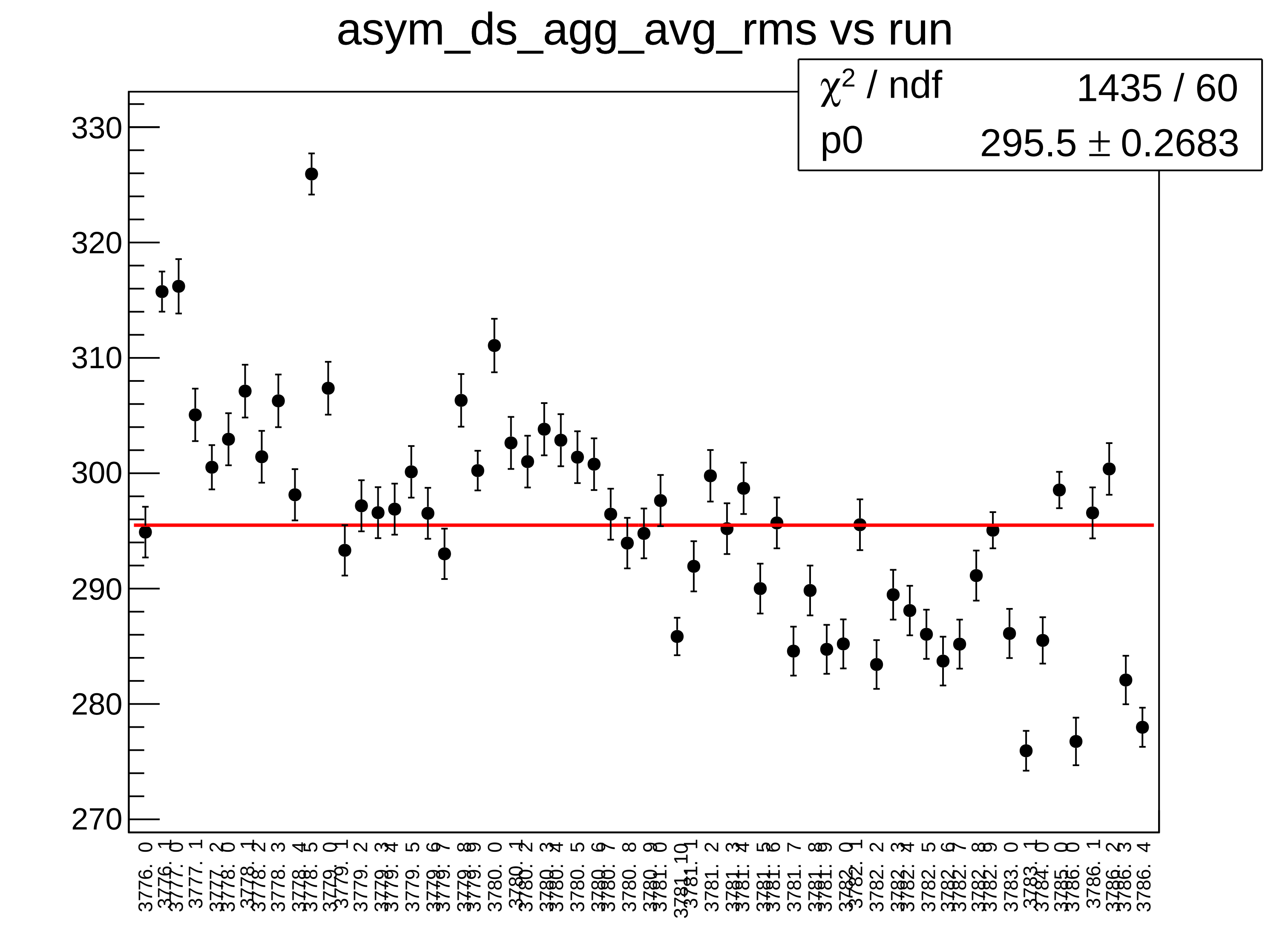

asym_us_agg_avg_rms vs run
χ^2 / ndf 1526 / 60
p0 265.1 ± 0.2407
290
280
270
260
250


asym_us_agg_dd_mean vs run
χ^2 / ndf 51.78 / 60
p0 583.5 ± 705.8
pull
Entries 61
Mean 23.61
Std Dev 37.04
pull1D
Entries 61
Mean 0.009812
Std Dev 0.9213

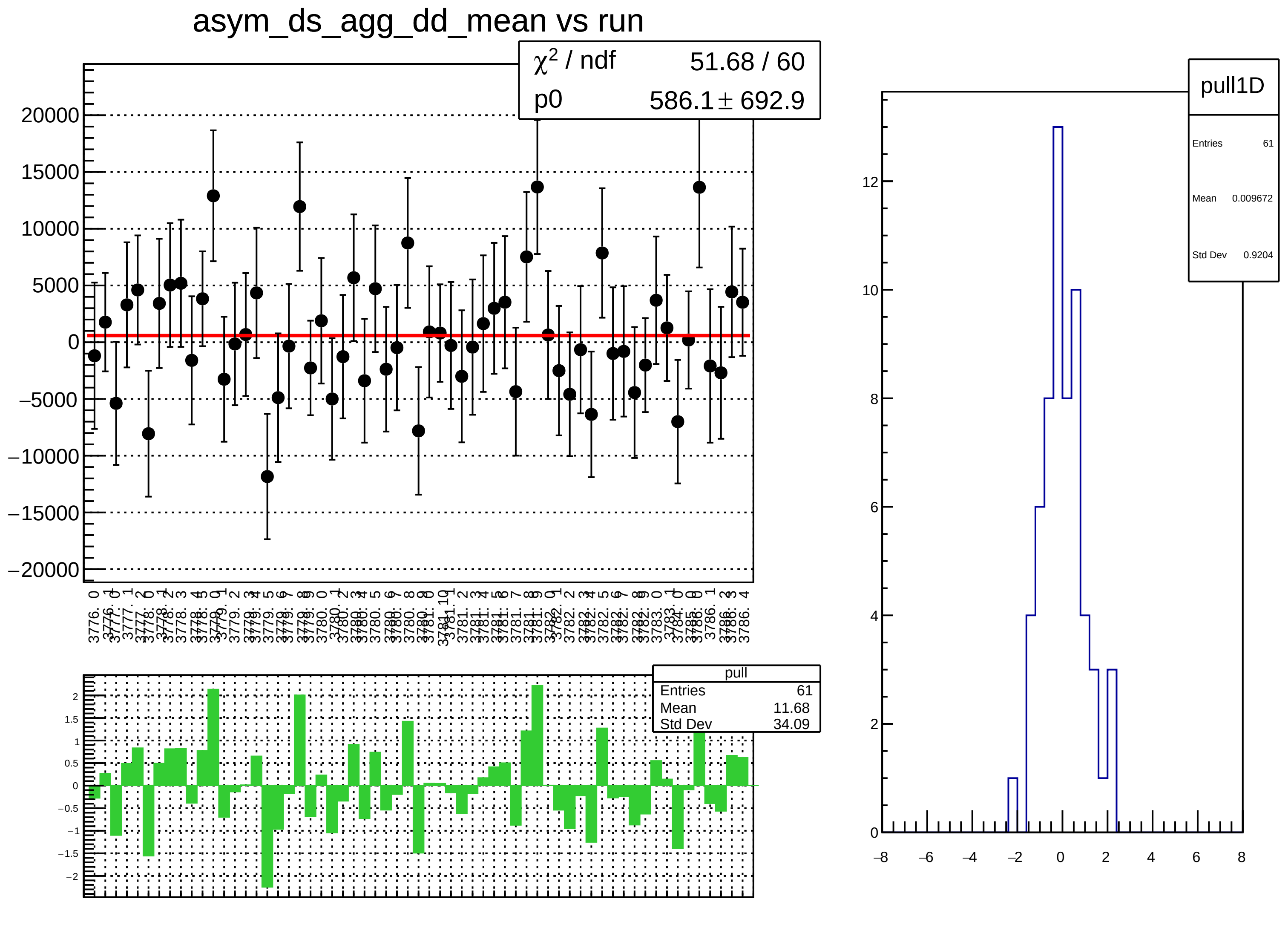


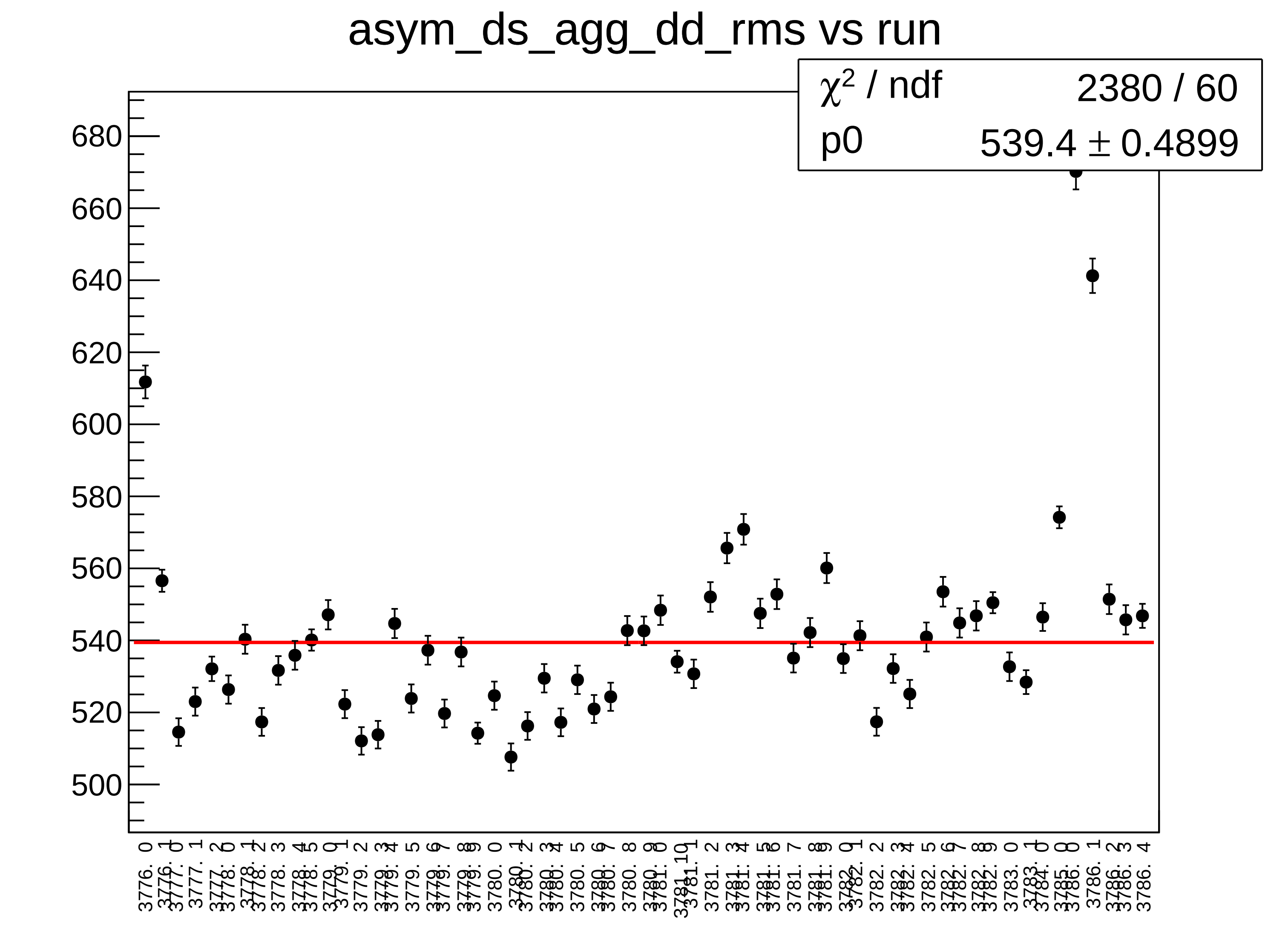
asym_us_agg_dd_rms vs run
χ2 / ndf 2299 / 60
p0 549.5 ± 0.4991


asym_ds_agg_avg_mean vs run
χ^2 / ndf 60.36 / 60
p0 −322.6 ± 379.4
pull
Entries 61
Mean −42.6
Std Dev 95.06
pull1D
Entries 61
Mean −0.01056
Std Dev 0.9947

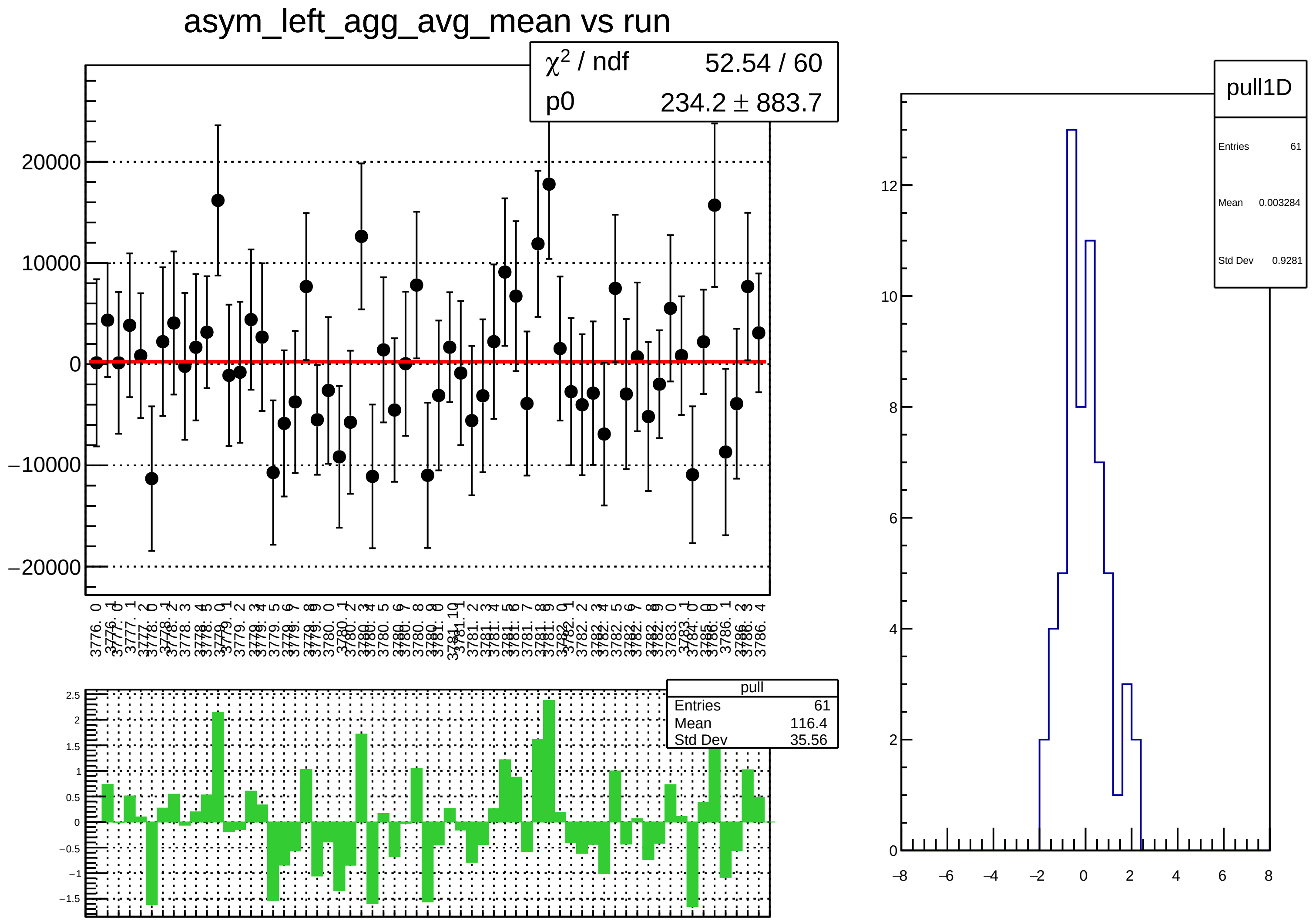


asym_ds_agg_avg_rms vs run
χ2 / ndf 1435 / 60
p0 295.5 ± 0.2683
330
320
310
300
290
280
270

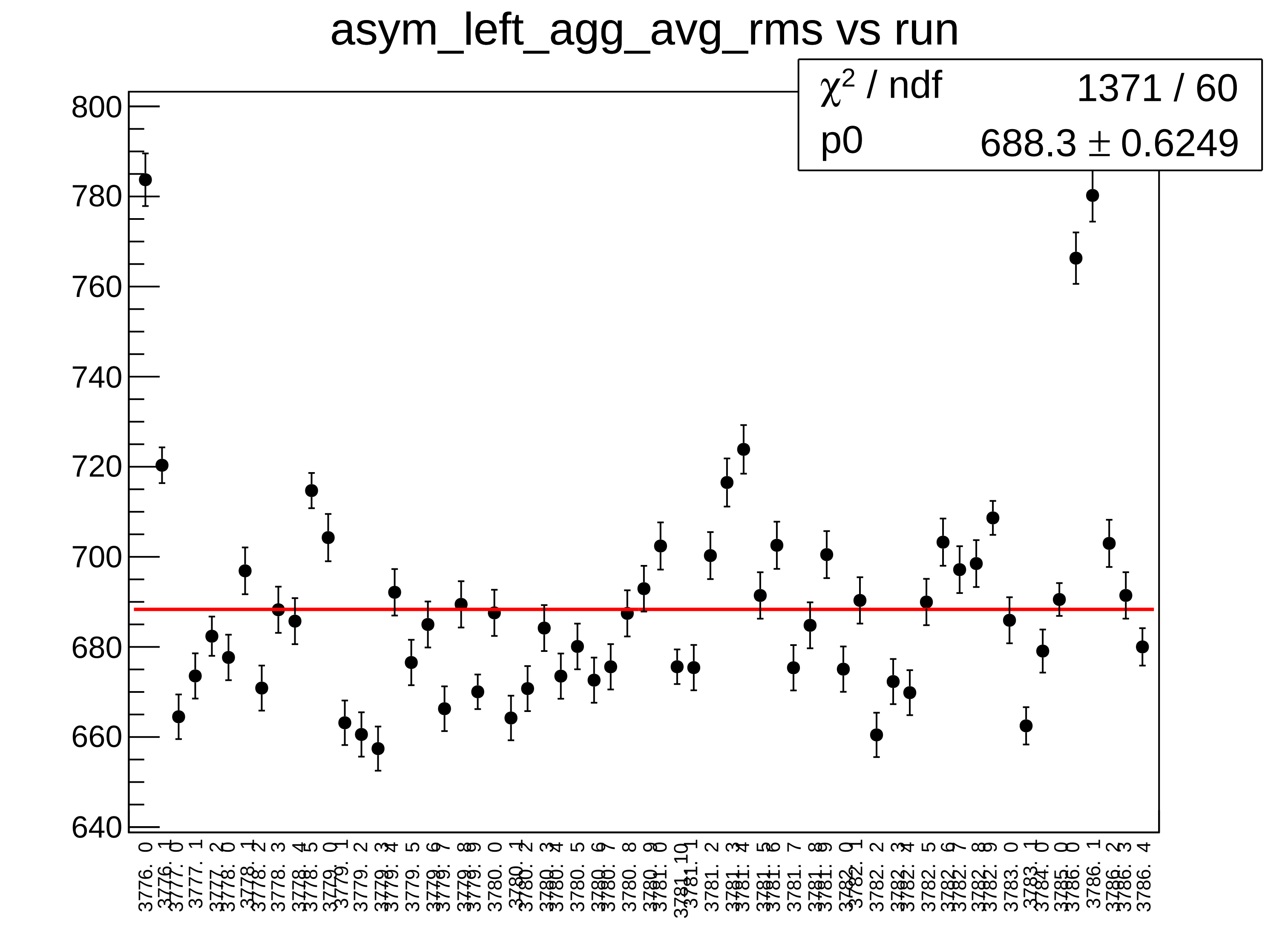

asym_ds_agg_dd_mean vs run
χ^2 / ndf 51.68 / 60
p0 586.1 ± 692.9
pull
Entries 61
Mean 11.68
Std Dev 34.09
pull1D
Entries 61
Mean 0.009672
Std Dev 0.9204



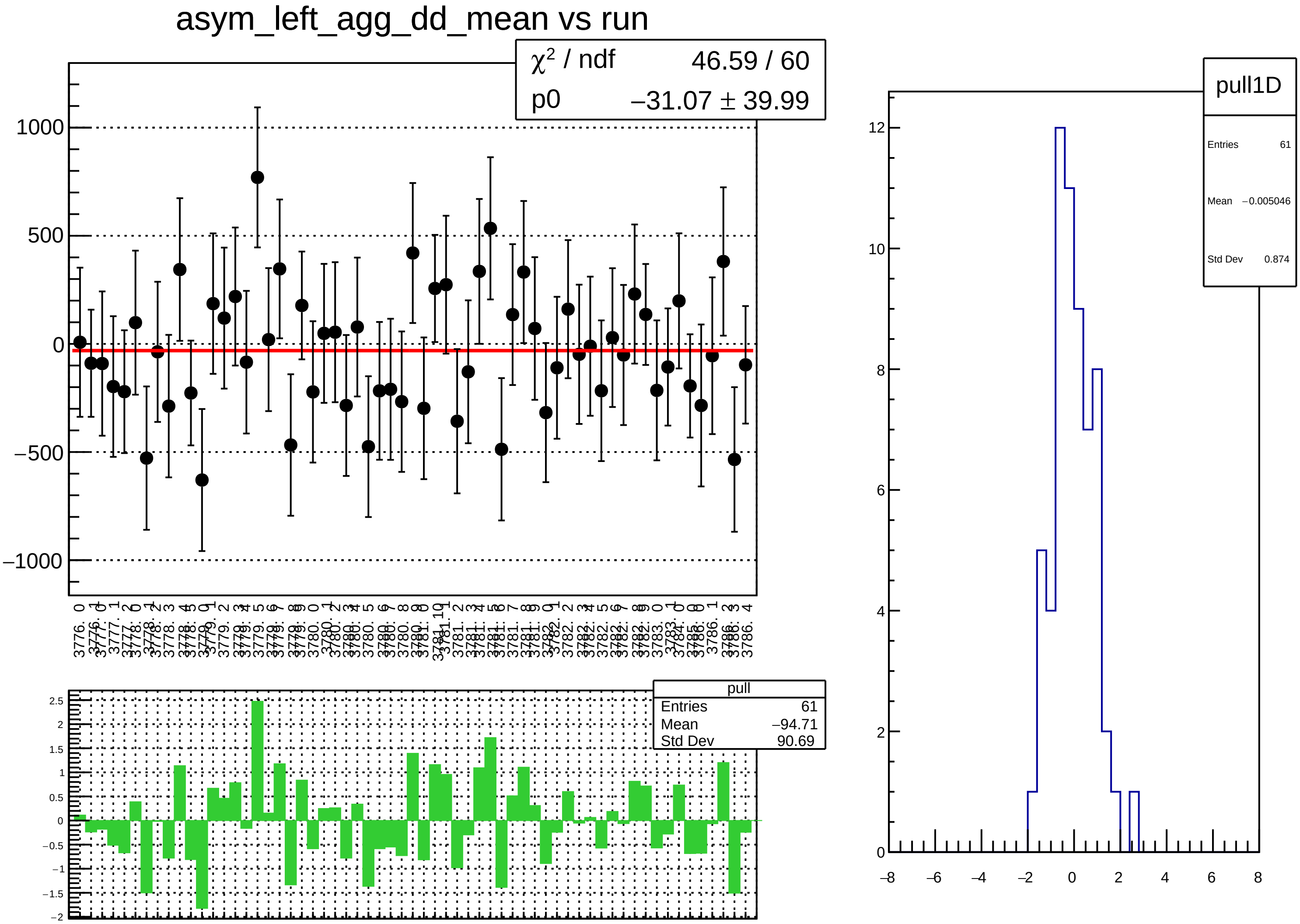
asym_ds_agg_dd_rms vs run
χ^2 / ndf 2380 / 60
p0 539.4 ± 0.4899
680
660
640
620
600
580
560
540
520
500



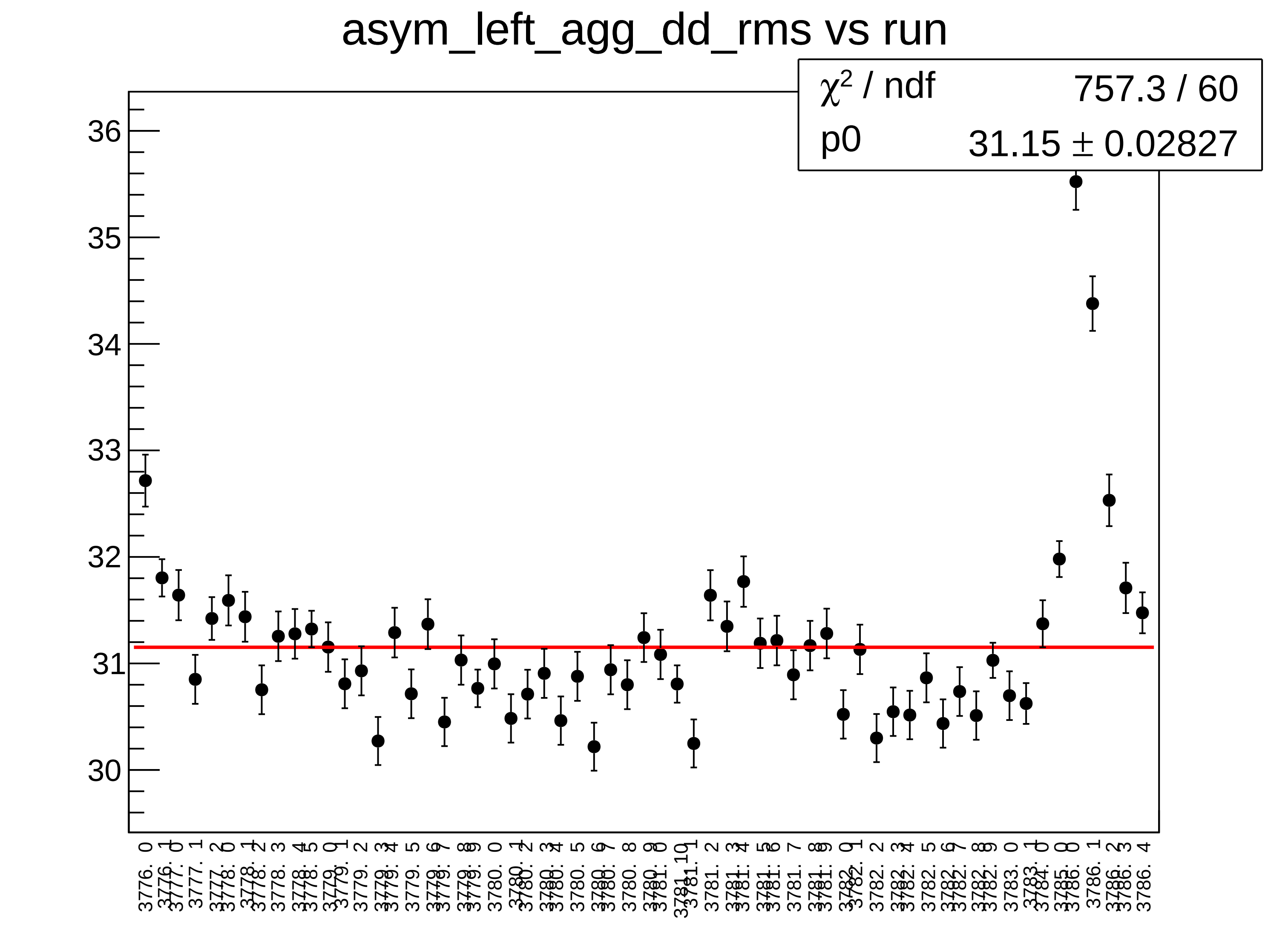
asym_left_agg_avg_mean vs run
χ^2 / ndf 52.54 / 60
p0 234.2 ± 883.7
pull
Entries 61
Mean 116.4
Std Dev 35.56
pull1D
Entries 61
Mean 0.003284
Std Dev 0.9281

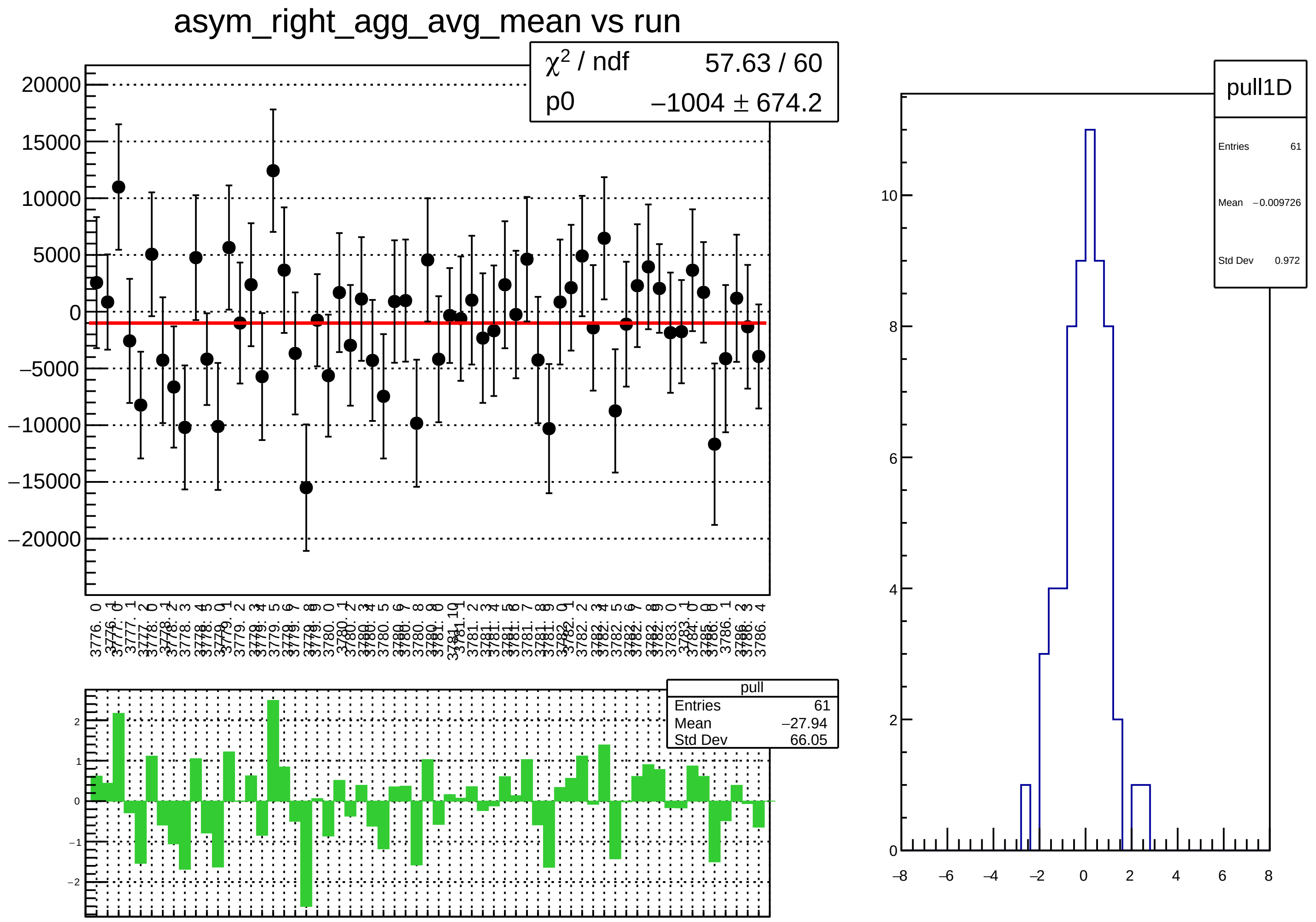


asym_left_agg_avg_rms vs run
χ2 / ndf 1371 / 60
p0 688.3 ± 0.6249
800
780
760
740
720
700
680
660
640

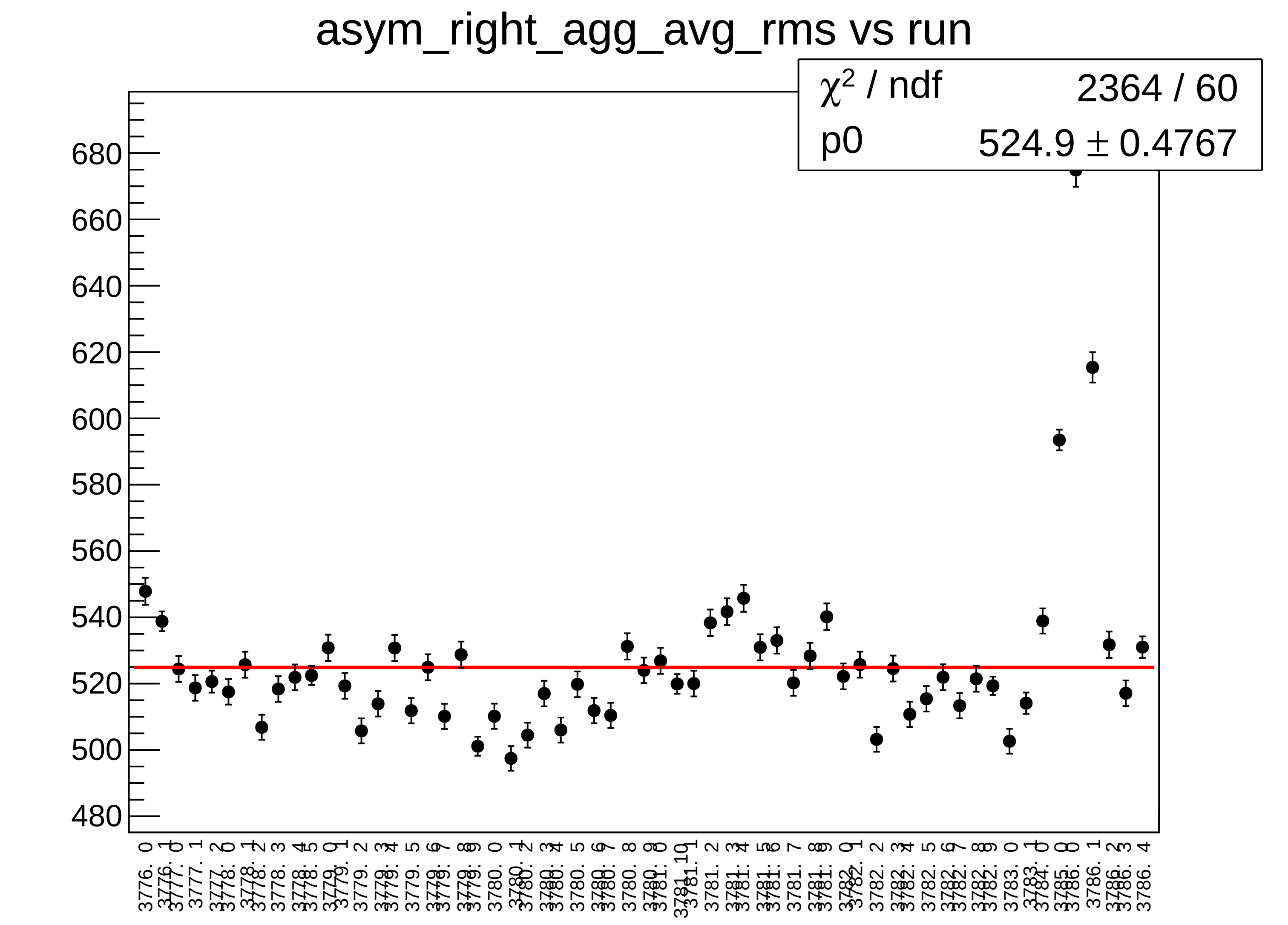


asym_left_agg_dd_mean vs run
χ^2 / ndf 46.59 / 60
p0 −31.07 ± 39.99
pull
Entries 61
Mean −94.71
Std Dev 90.69
pull1D
Entries 61
Mean −0.005046
Std Dev 0.874

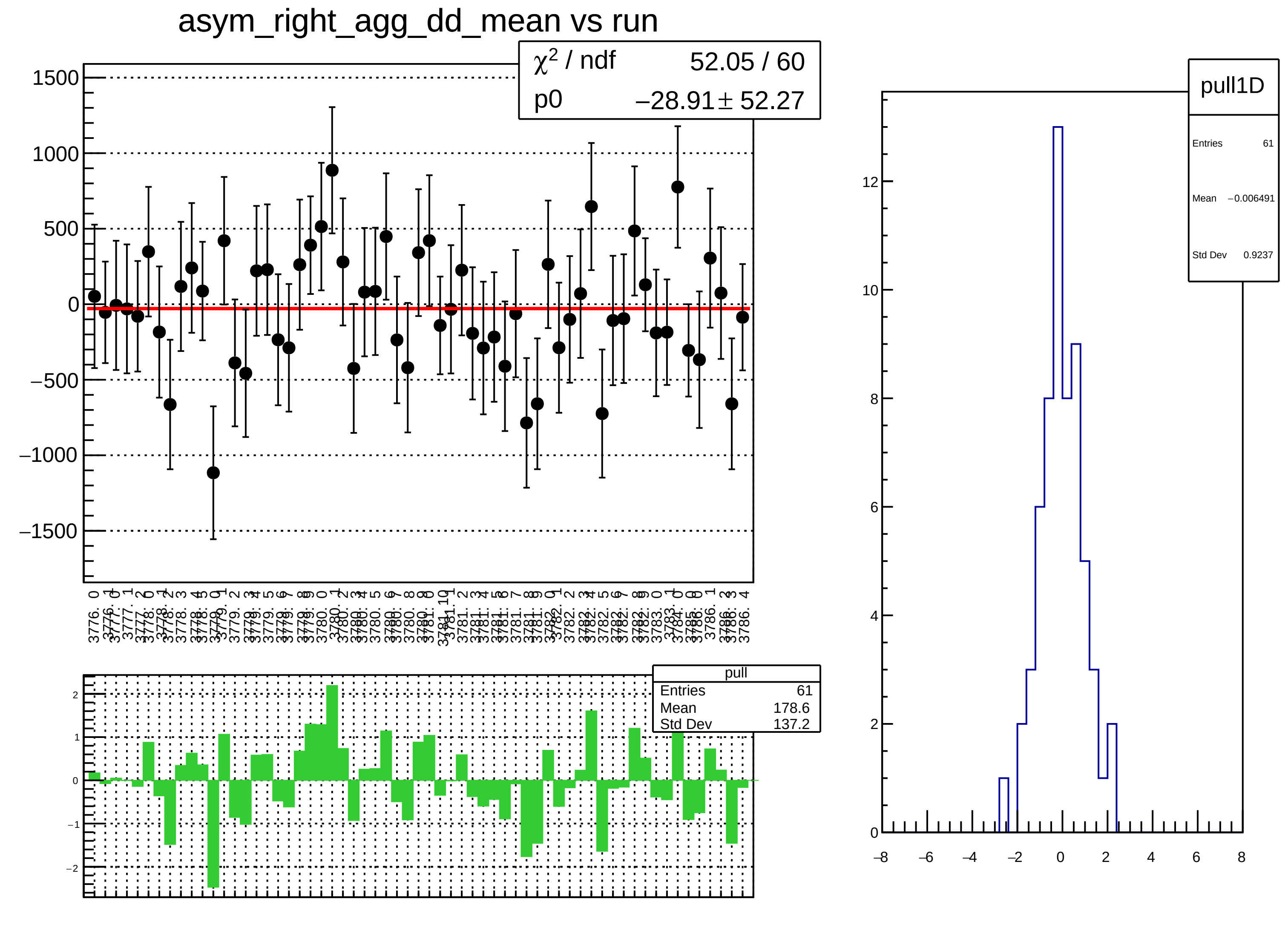

asym_left_agg_dd_rms vs run
χ² / ndf 757.3 / 60
p0 31.15 ± 0.02827
36
35
34
33
32
31
30



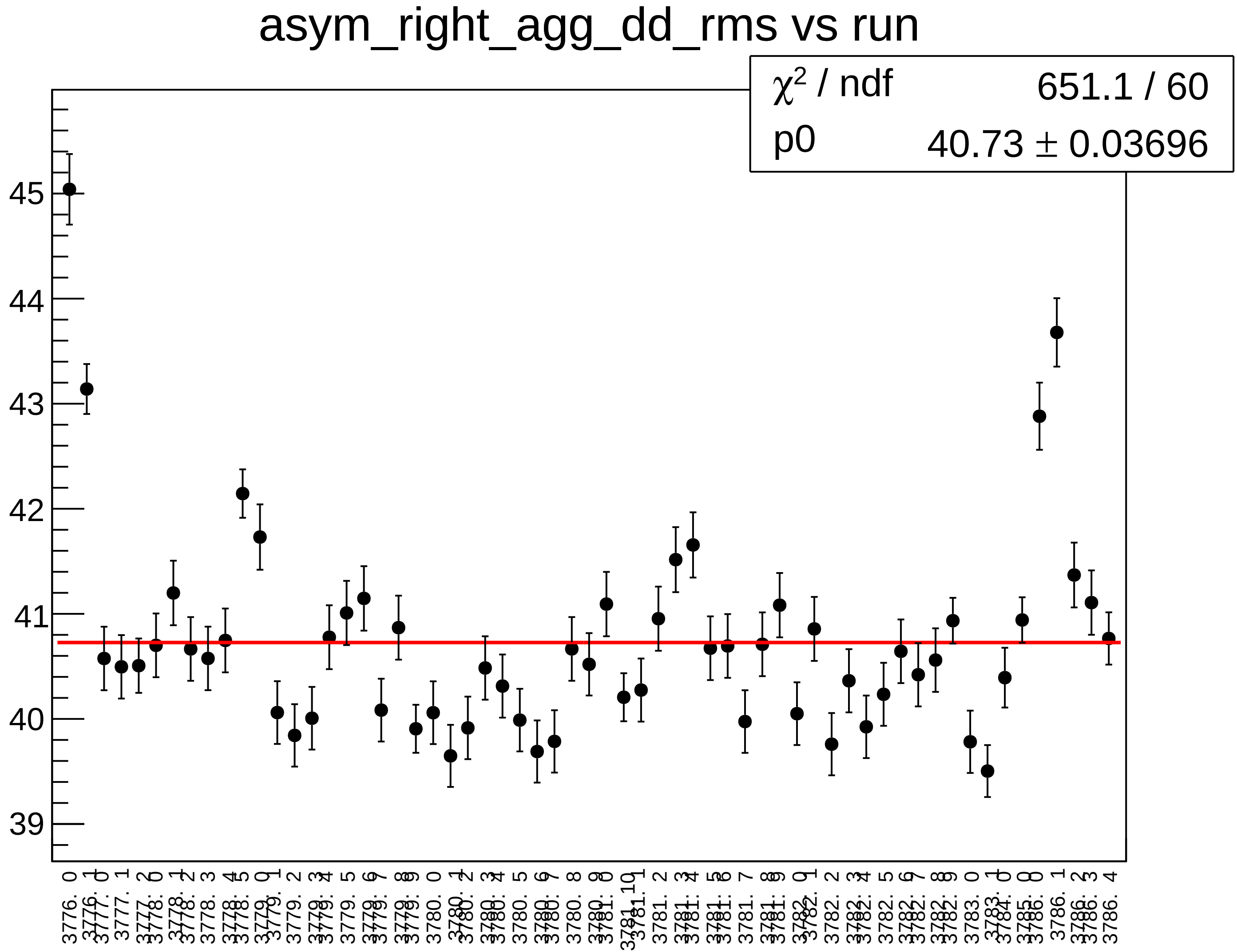
asym_right_agg_avg_mean vs run
χ2 / ndf 57.63 / 60
p0 −1004 ± 674.2
pull
Entries 61
Mean −27.94
Std Dev 66.05
pull1D
Entries 61
Mean −0.009726
Std Dev 0.972



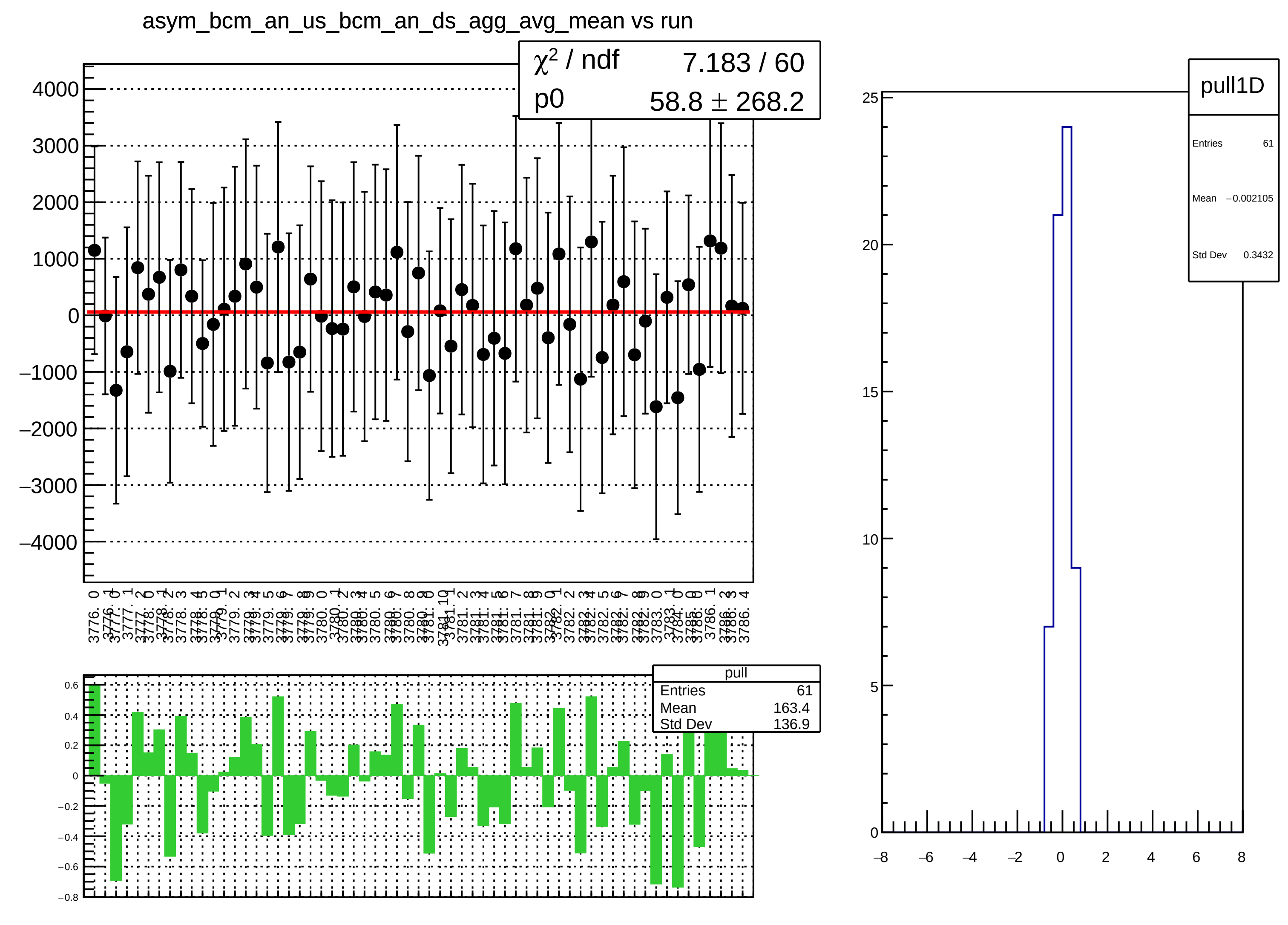
asym_right_agg_avg_rms vs run
χ2 / ndf 2364 / 60
p0 524.9 ± 0.4767
680
660
640
620
600
580
560
540
520
500
480

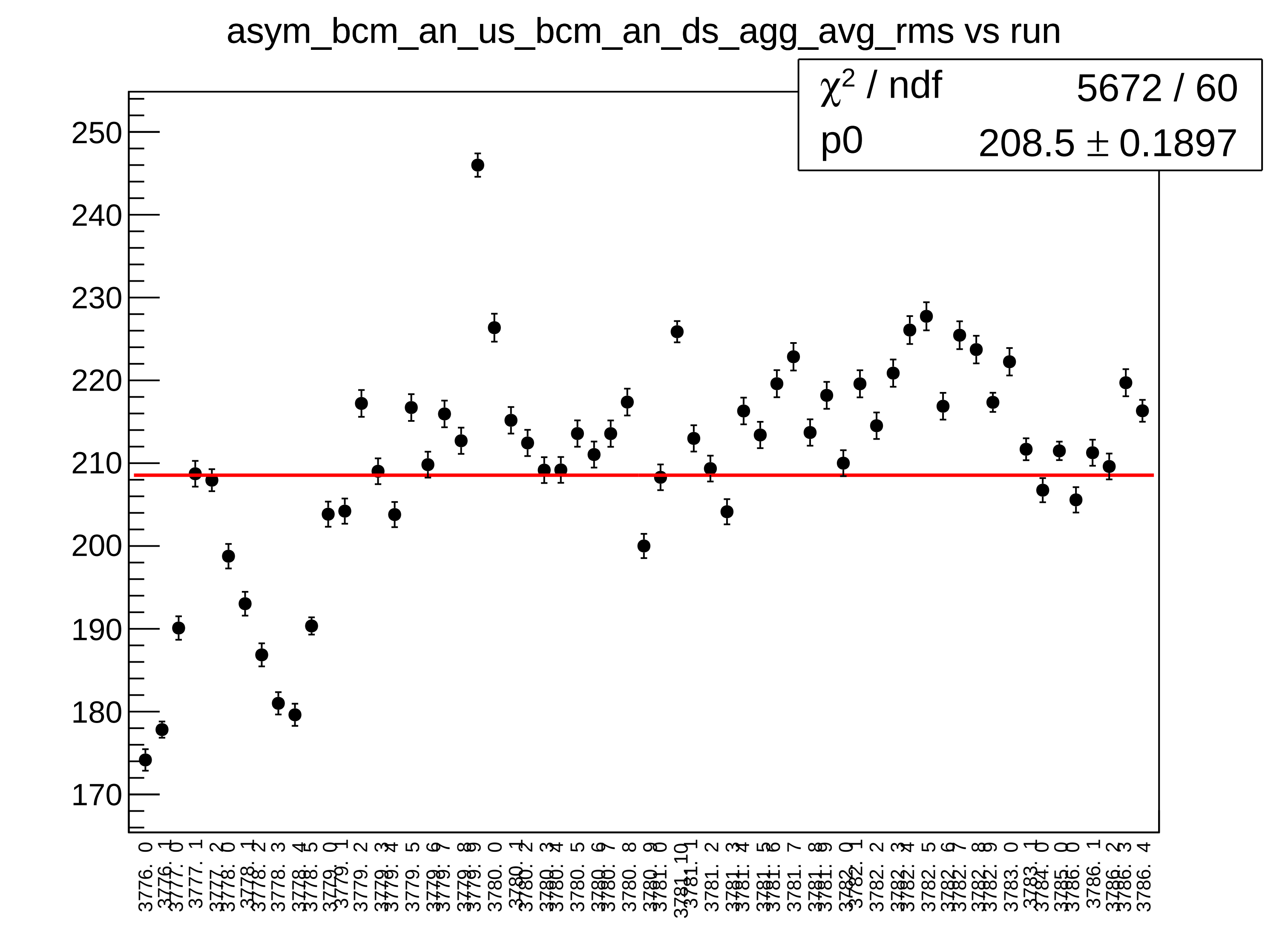


asym_right_agg_dd_mean vs run
χ2 / ndf 52.05 / 60
p0 −28.91 ± 52.27
pull
Entries 61
Mean 178.6
Std Dev 137.2
pull1D
Entries 61
Mean −0.006491
Std Dev 0.9237

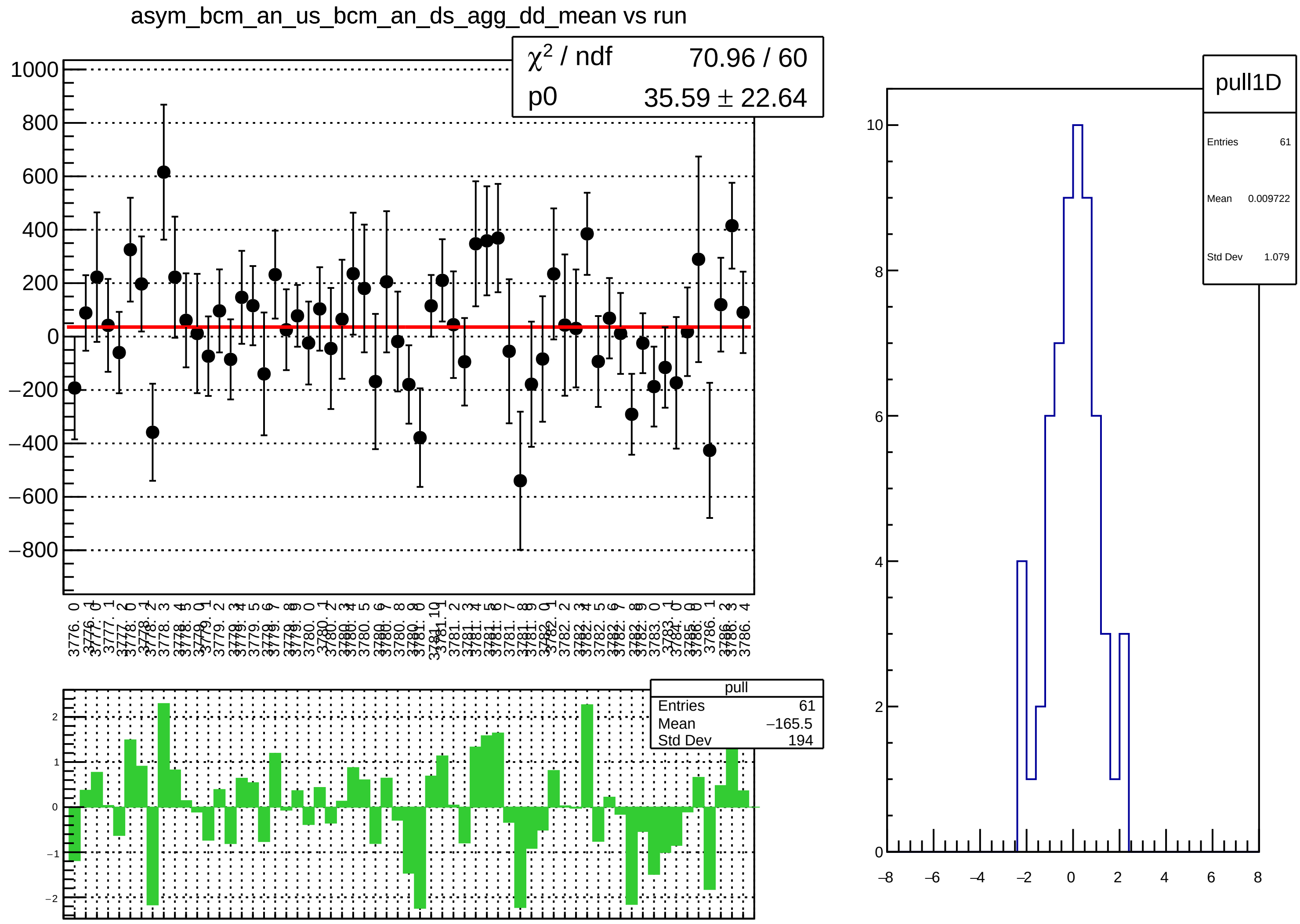


asym_right_agg_dd_rms vs run
χ^2 / ndf 651.1 / 60
p0 40.73 ± 0.03696
45
44
43
42
41
40
39

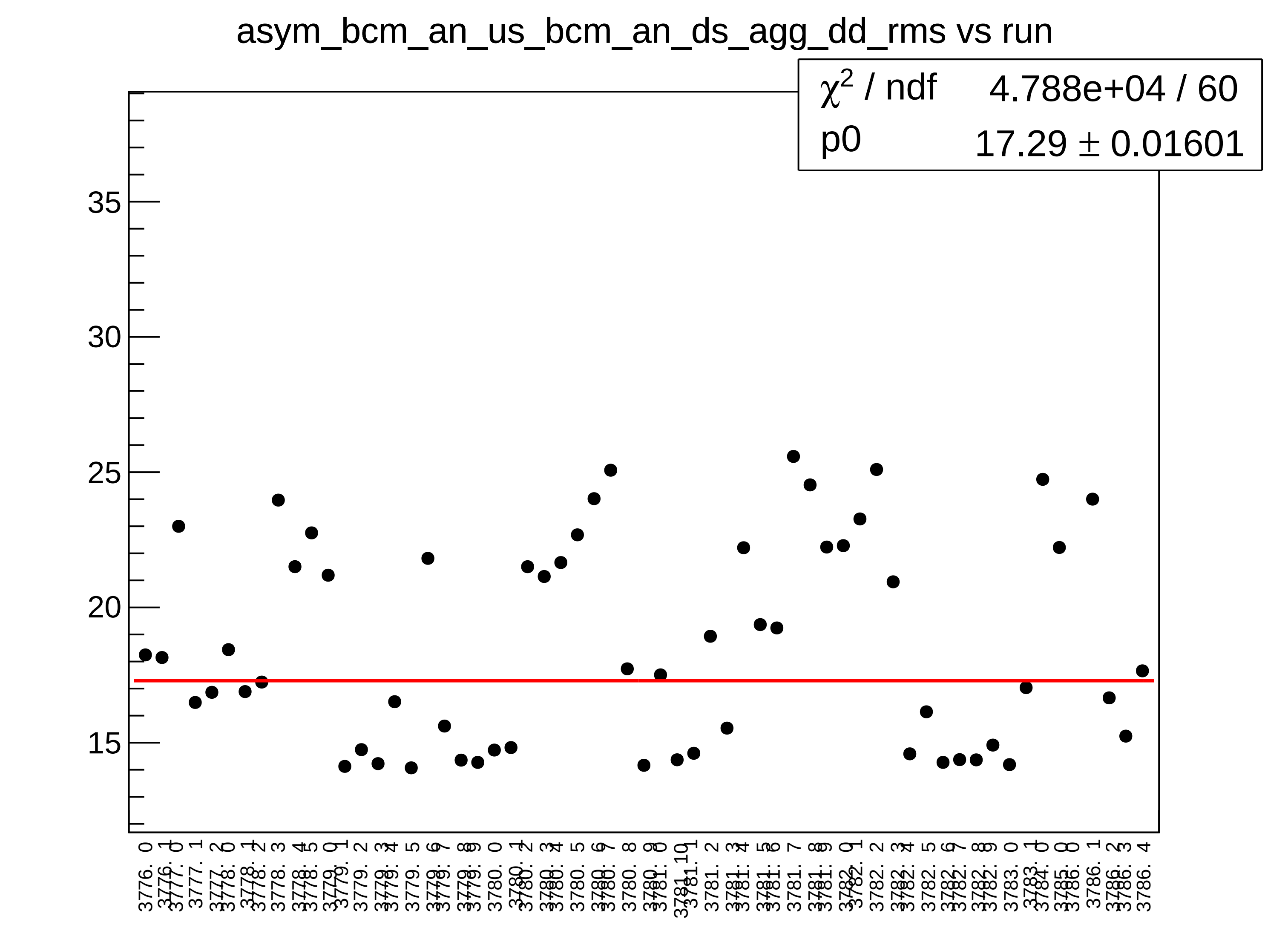

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 7.183 / 60
p0 58.8 ± 268.2
pull
Entries 61
Mean 163.4
Std Dev 136.9
pull1D
Entries 61
Mean −0.002105
Std Dev 0.3432

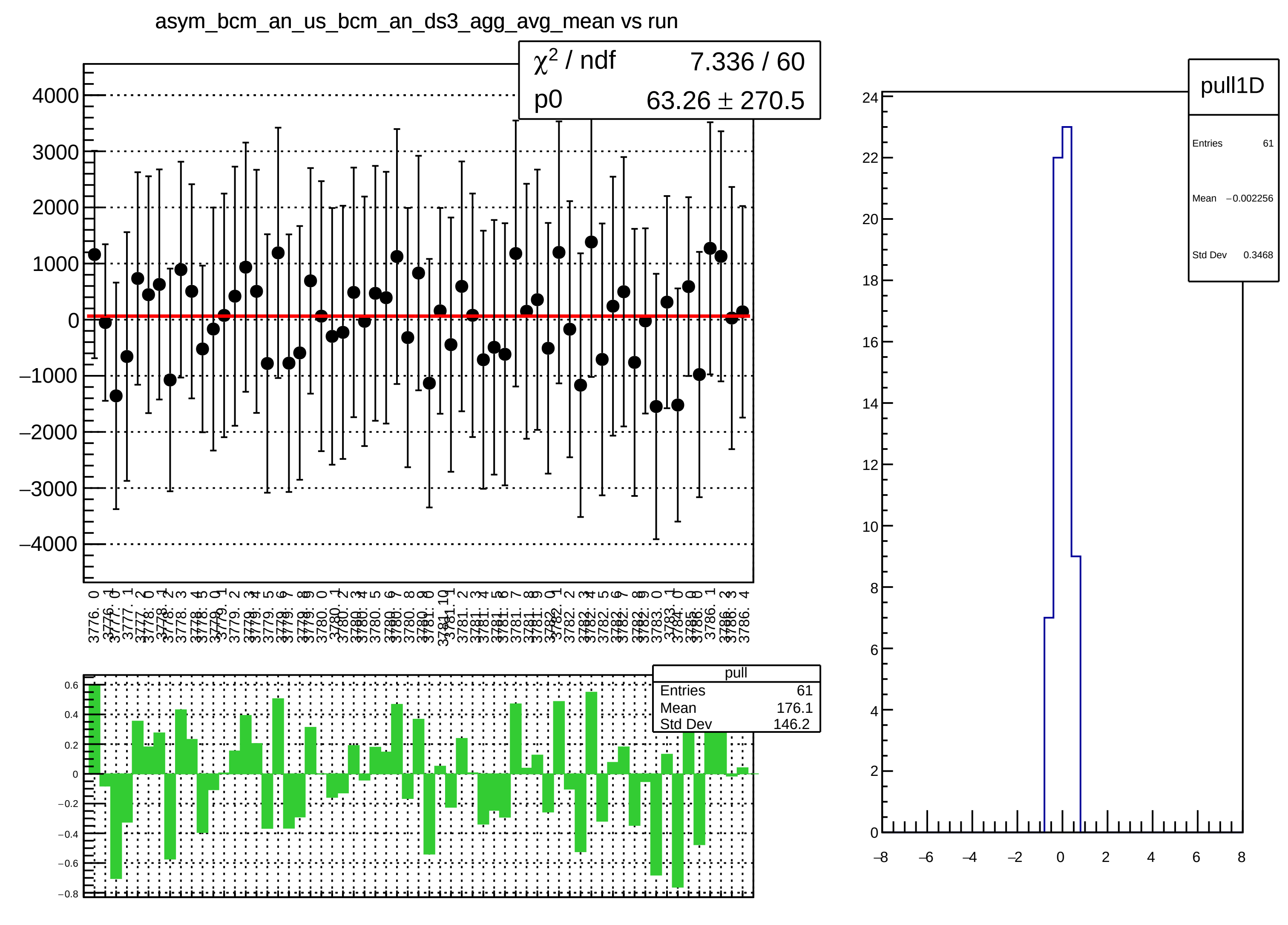


asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 5672 / 60
p0 208.5 ± 0.1897
250
240
230
220
210
200
190
180
170

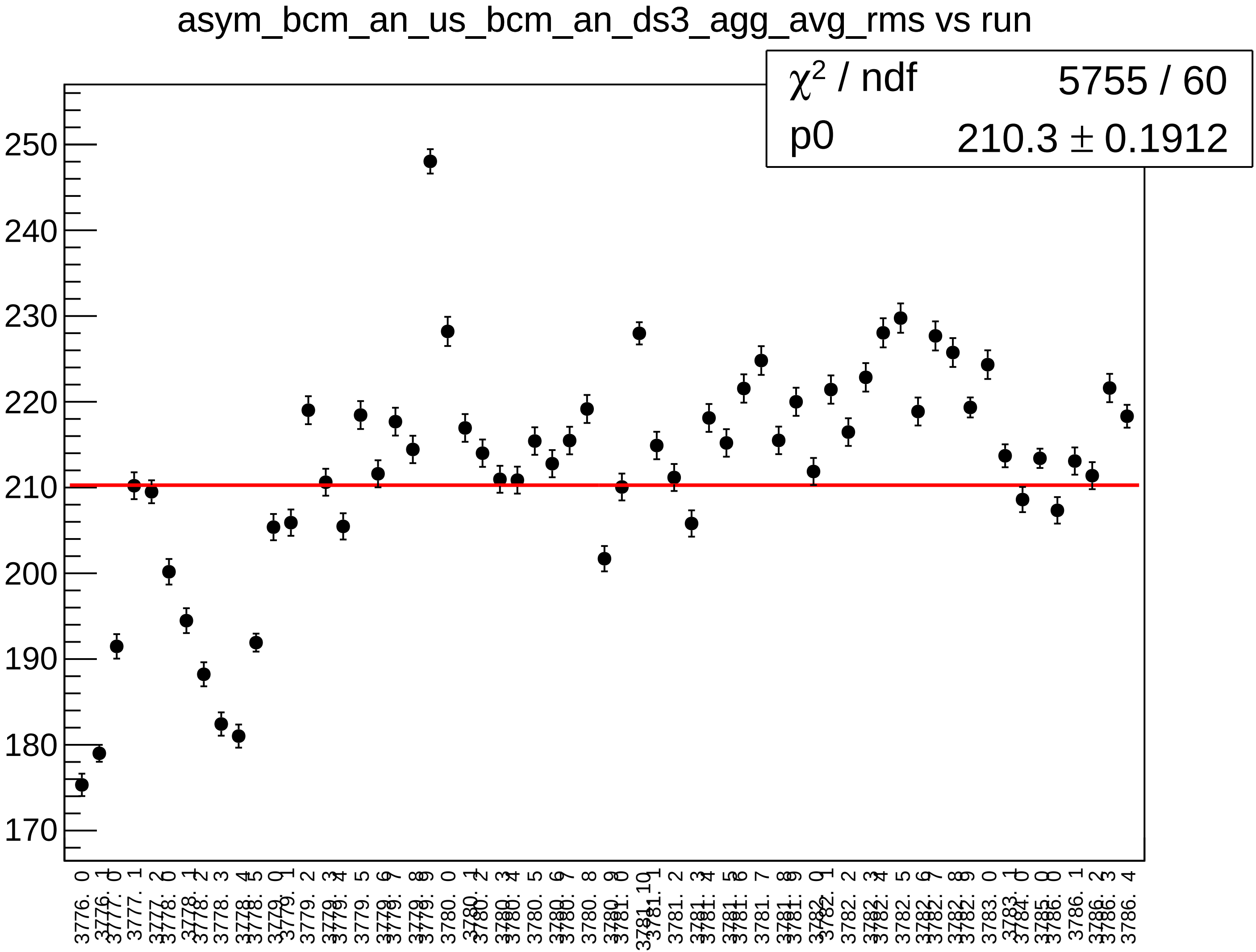


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 70.96 / 60
p0 35.59 ± 22.64
pull
Entries 61
Mean −165.5
Std Dev 194
pull1D
Entries 61
Mean 0.009722
Std Dev 1.079

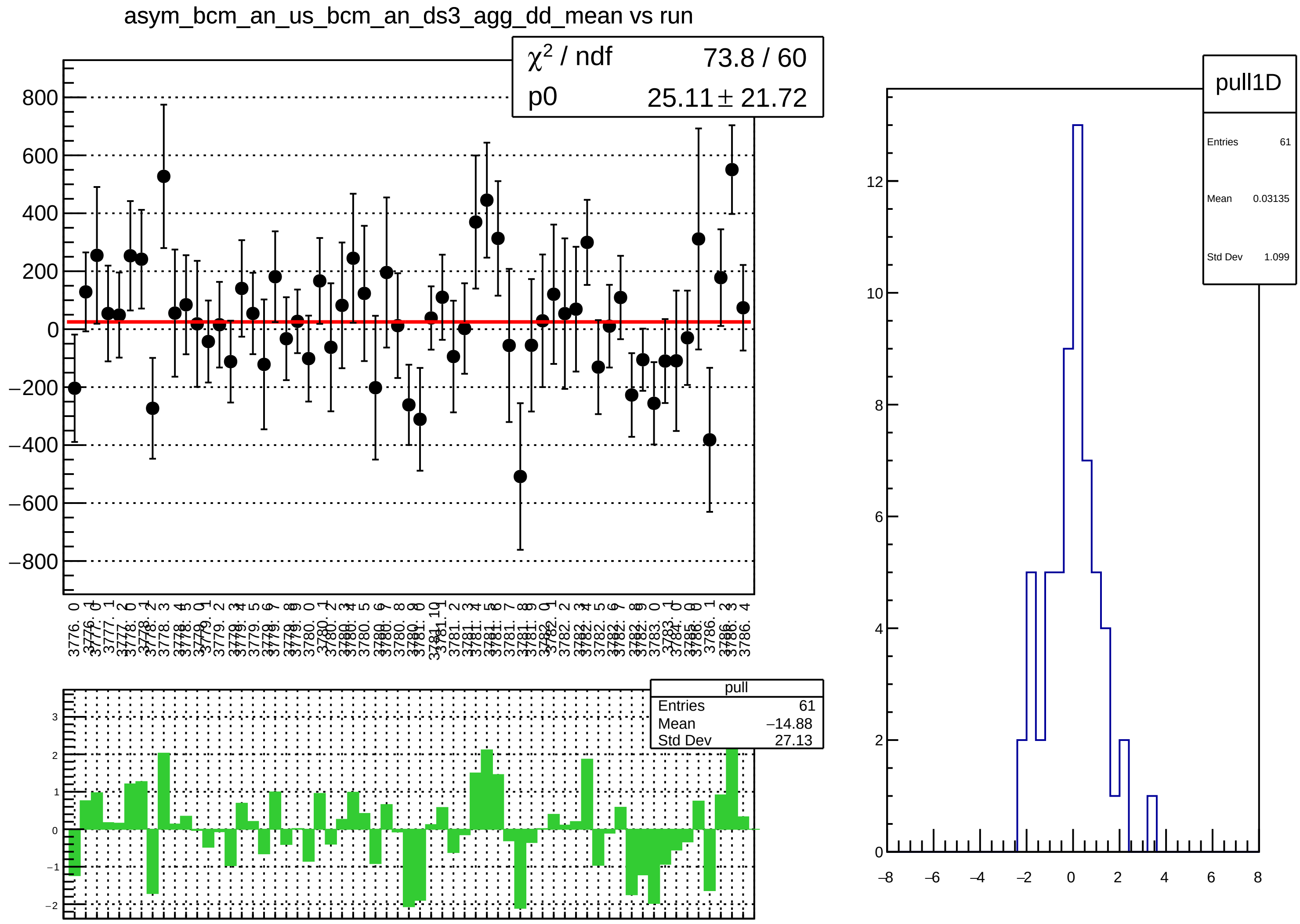

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ2 / ndf 4.788e+04 / 60
p0 17.29 ± 0.01601
35
30
25
20
15

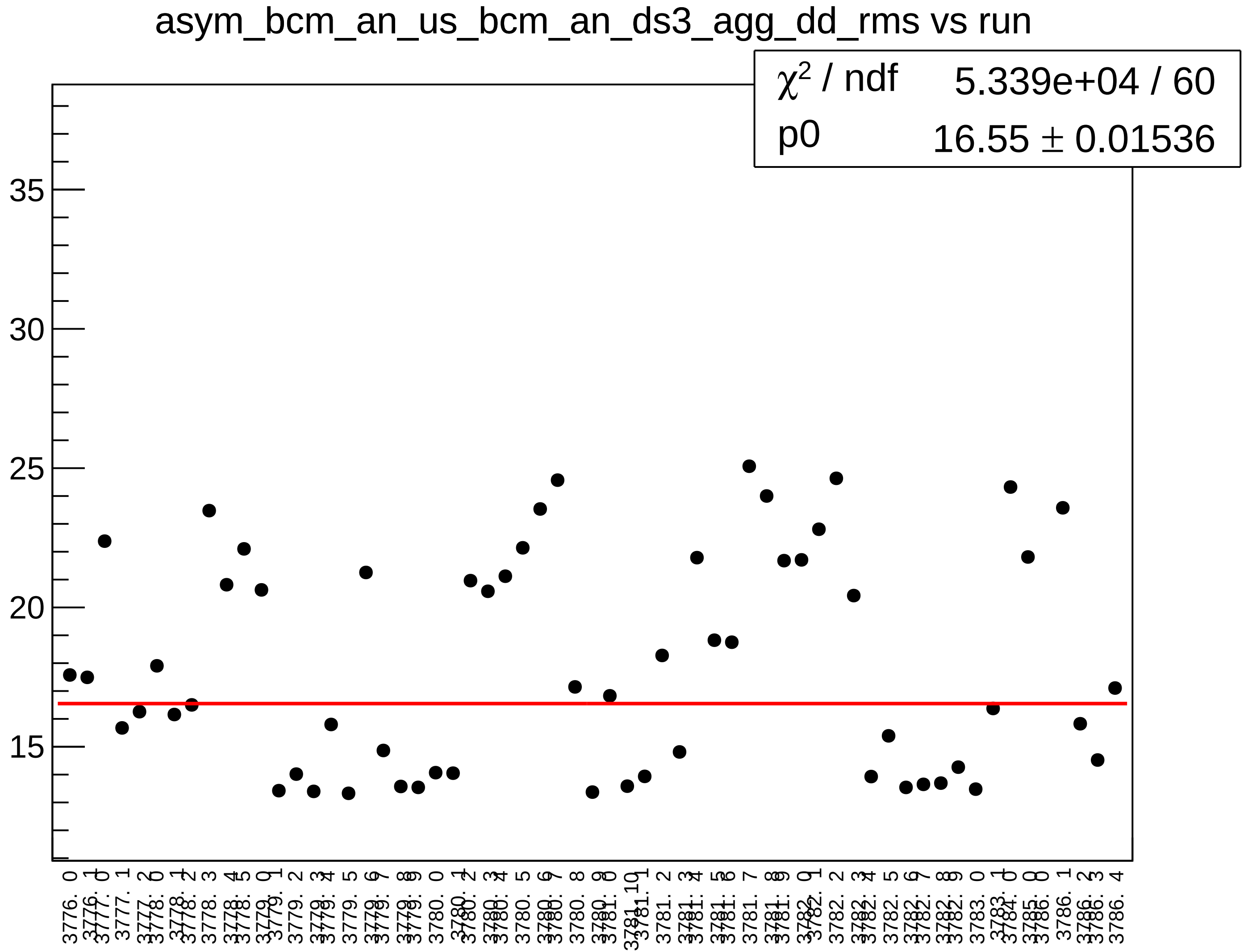


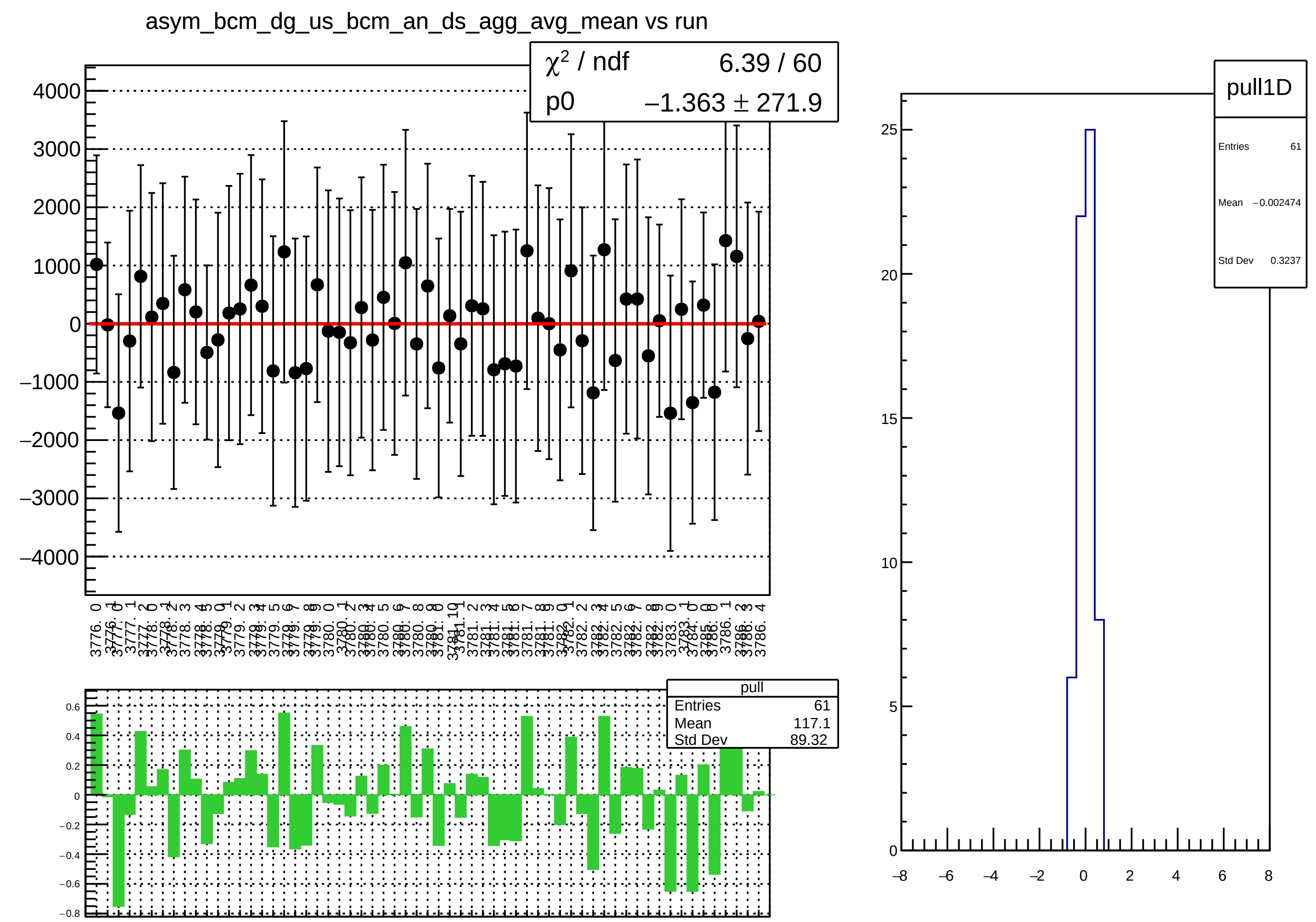
asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ^2 / ndf 7.336 / 60
p0 63.26 ± 270.5
pull
Entries 61
Mean 176.1
Std Dev 146.2
pull1D
Entries 61
Mean −0.002256
Std Dev 0.3468

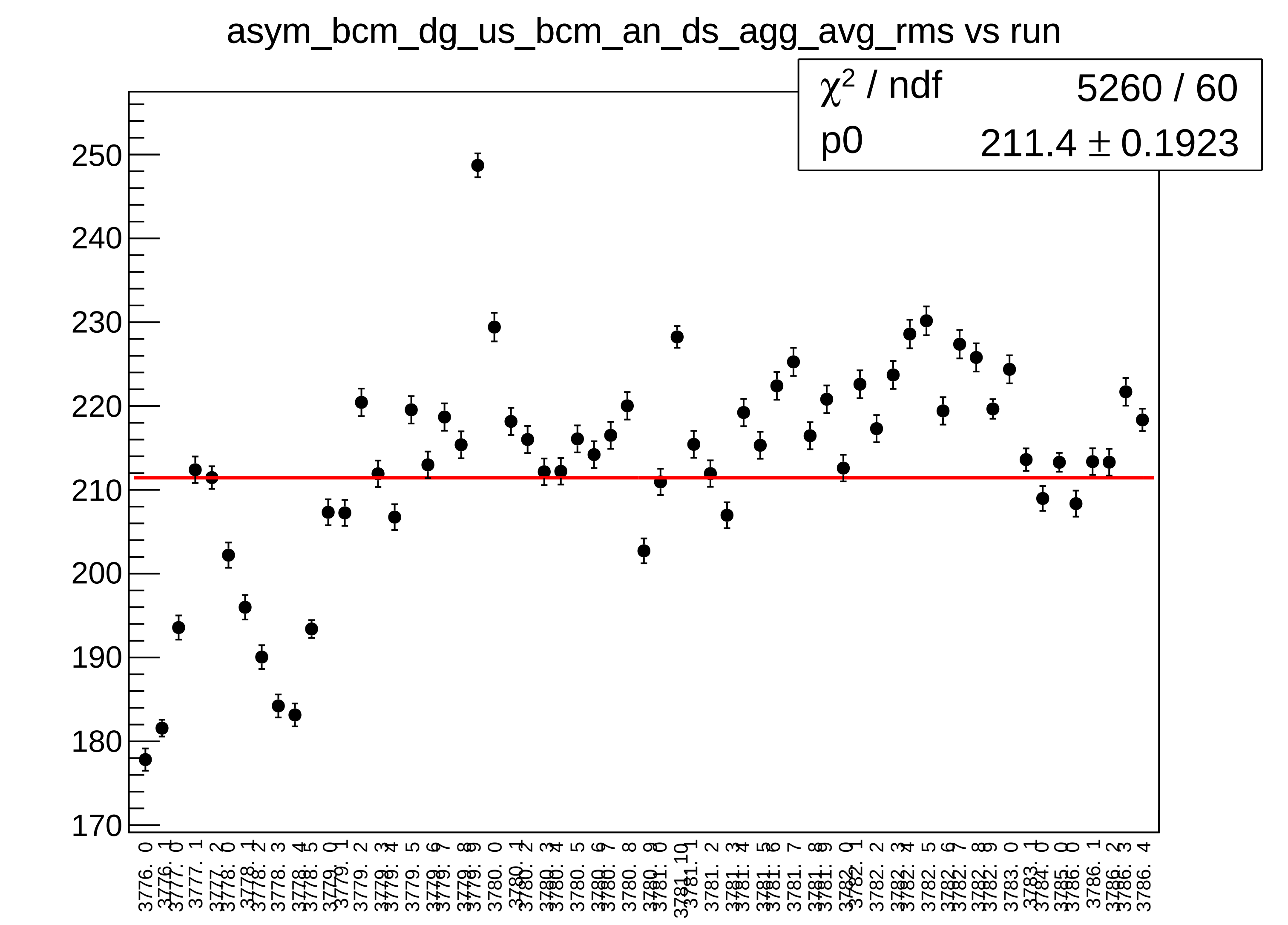


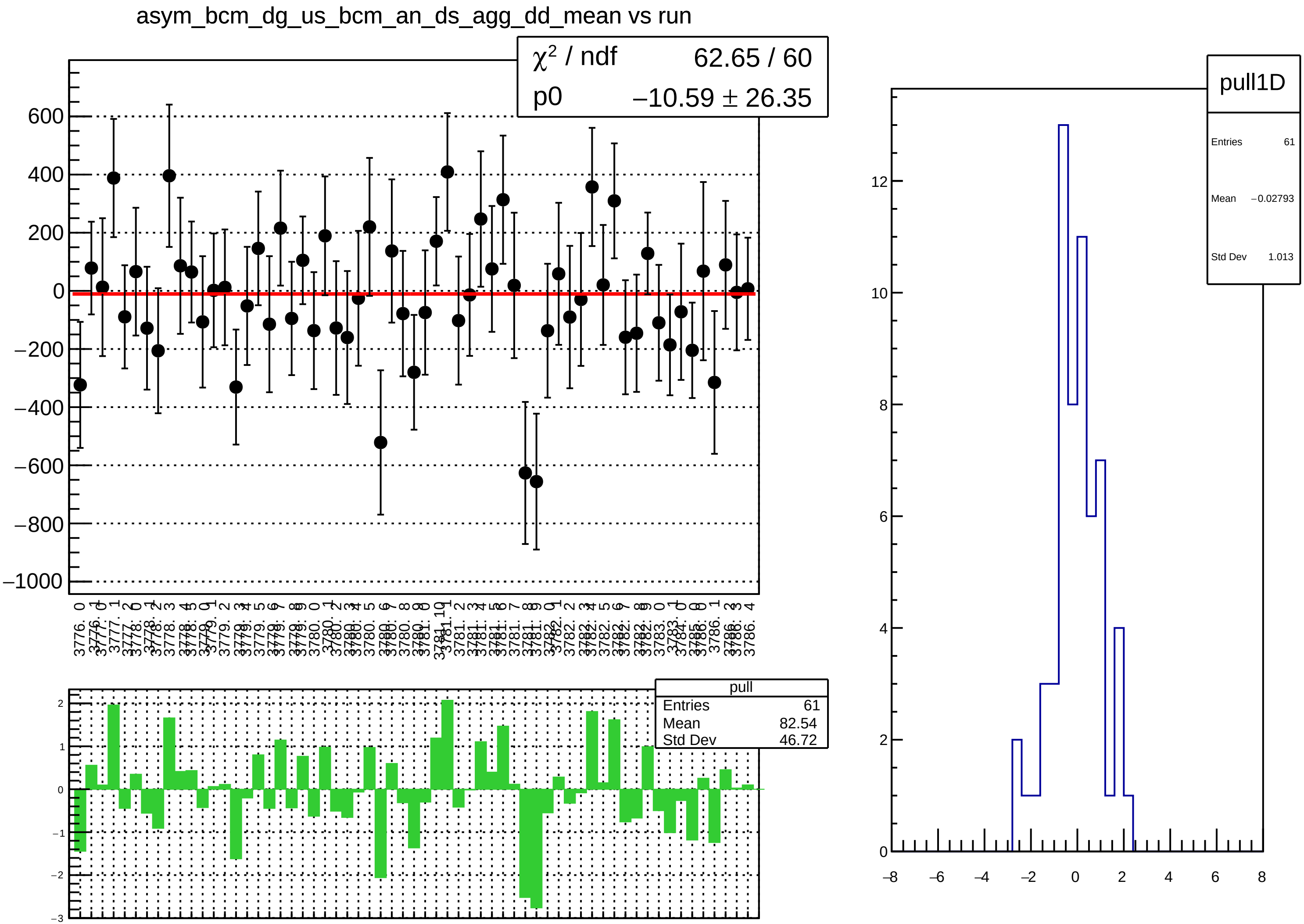
asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ^2 / ndf 5755 / 60
p0 210.3 ± 0.1912
250
240
230
220
210
200
190
180
170

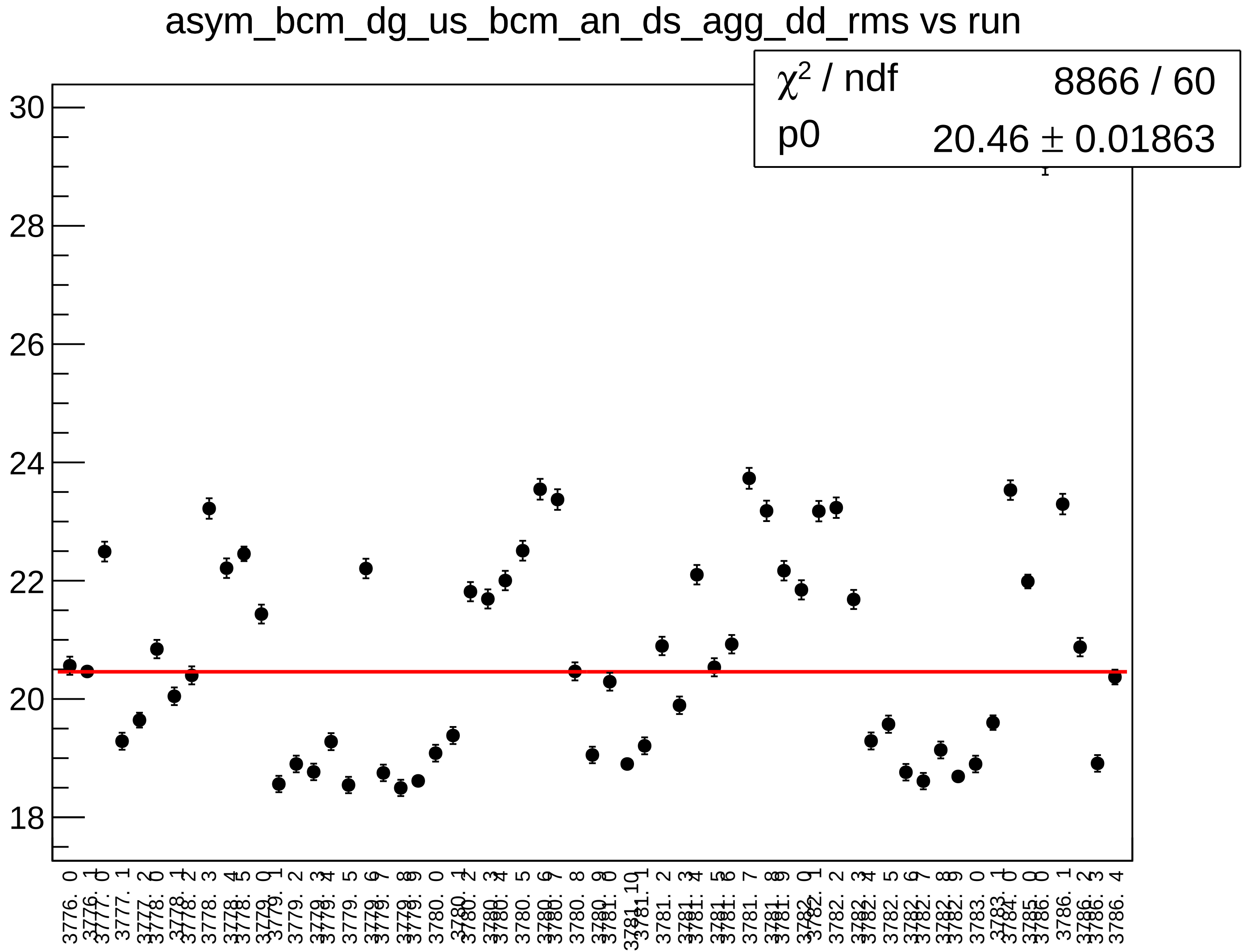

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ2 / ndf 73.8 / 60
p0 25.11 ± 21.72
pull
Entries 61
Mean −14.88
Std Dev 27.13
pull1D
Entries 61
Mean 0.03135
Std Dev 1.099


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ^2 / ndf 5.339e+04 / 60
p0 16.55 ± 0.01536
35
30
25
20
15

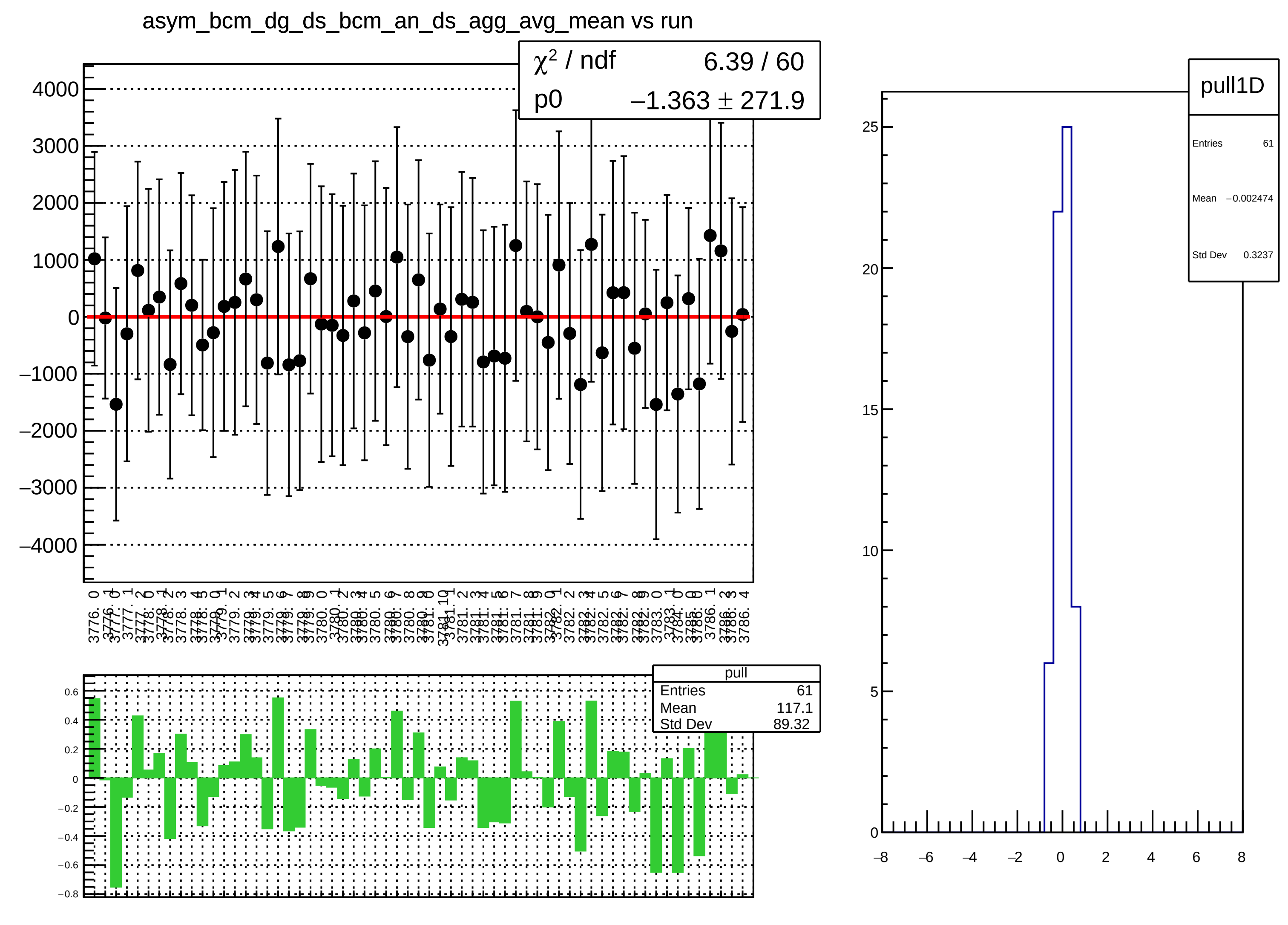

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ2 / ndf 6.39 / 60
p0 −1.363 ± 271.9
pull
Entries 61
Mean 117.1
Std Dev 89.32
pull1D
Entries 61
Mean −0.002474
Std Dev 0.3237


asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 5260 / 60
p0 211.4 ± 0.1923

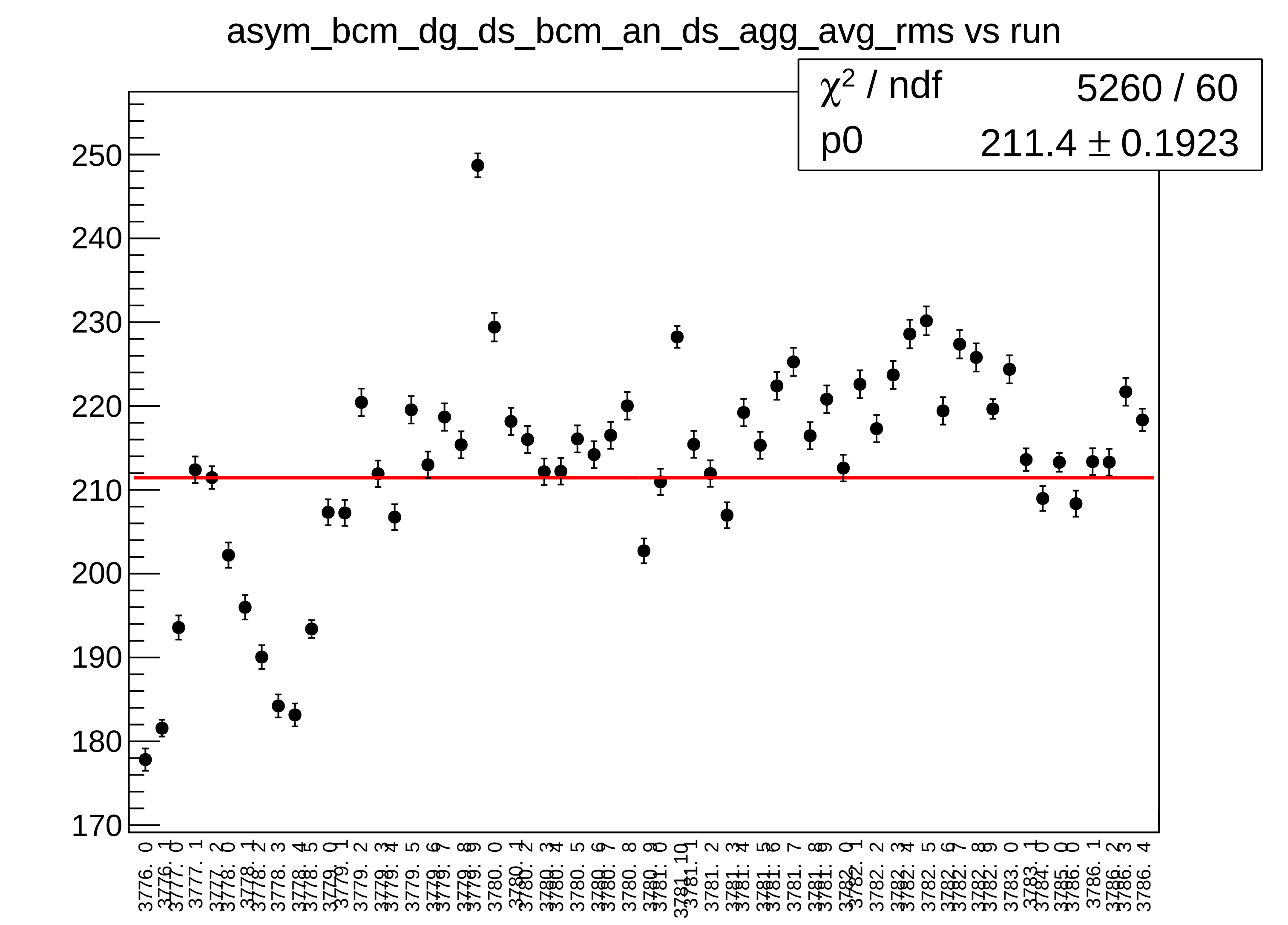

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 62.65 / 60
p0 −10.59 ± 26.35
pull
Entries 61
Mean 82.54
Std Dev 46.72
pull1D
Entries 61
Mean −0.02793
Std Dev 1.013

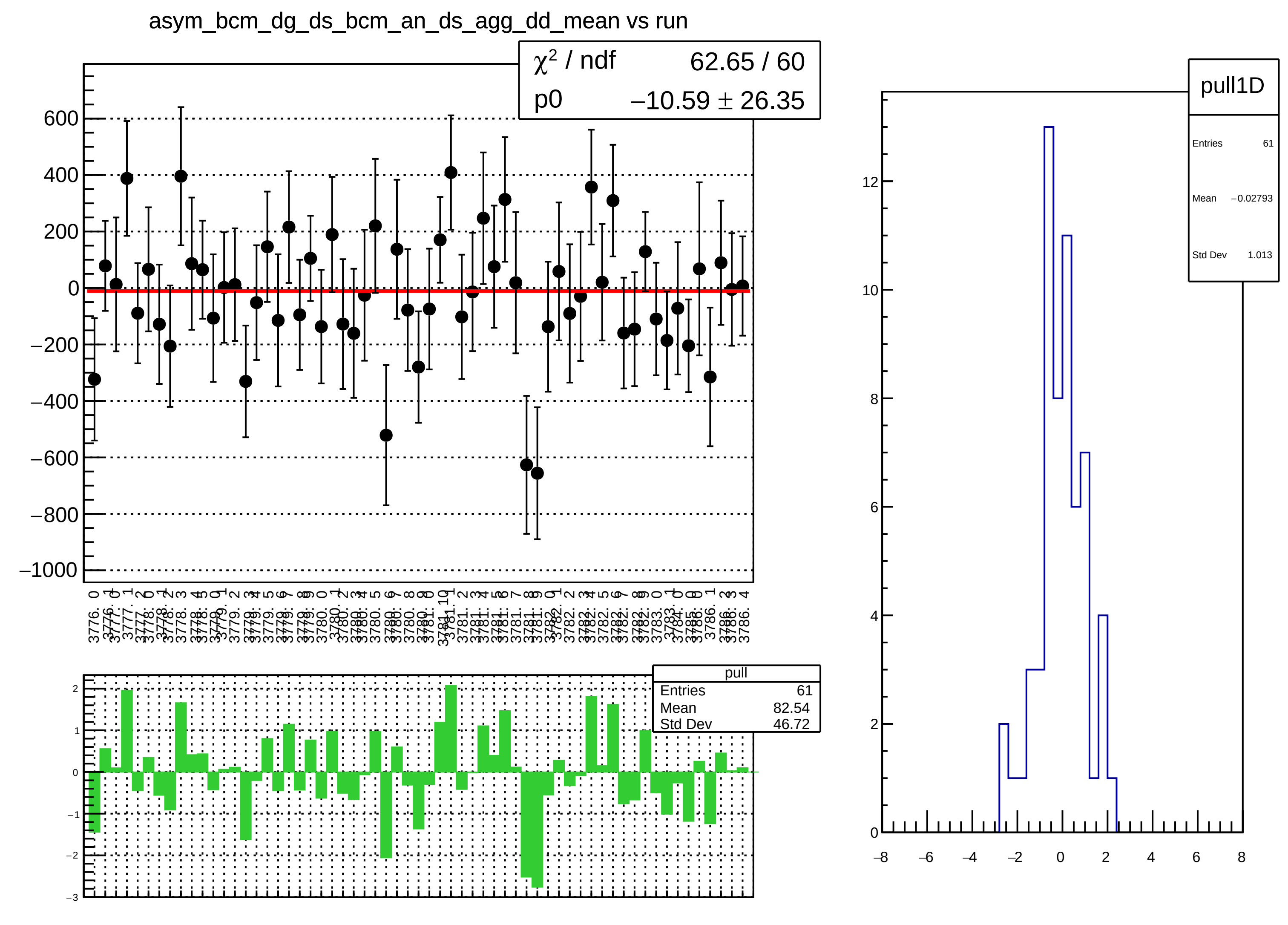


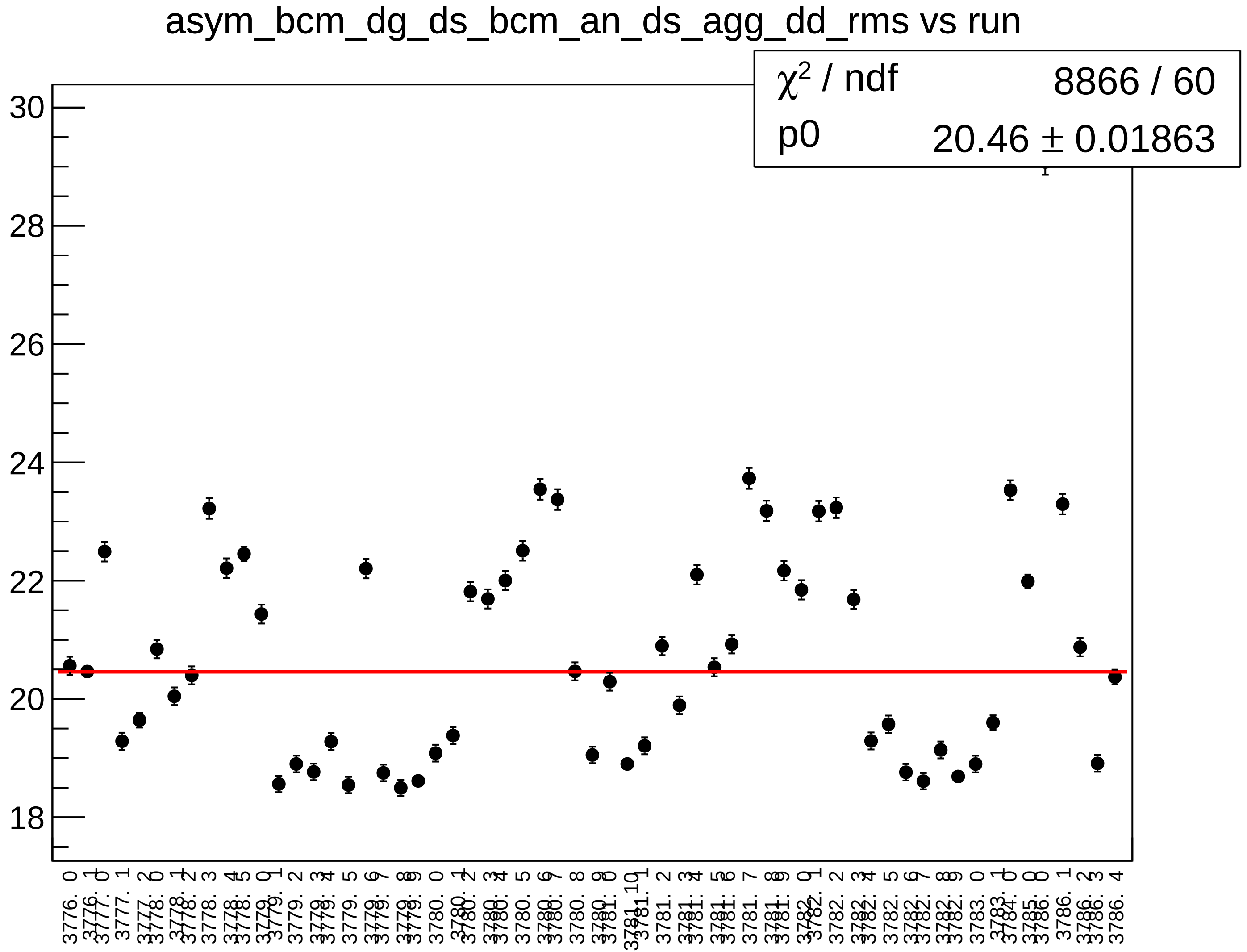
asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 8866 / 60
p0 20.46 ± 0.01863
30
28
26
24
22
20
18



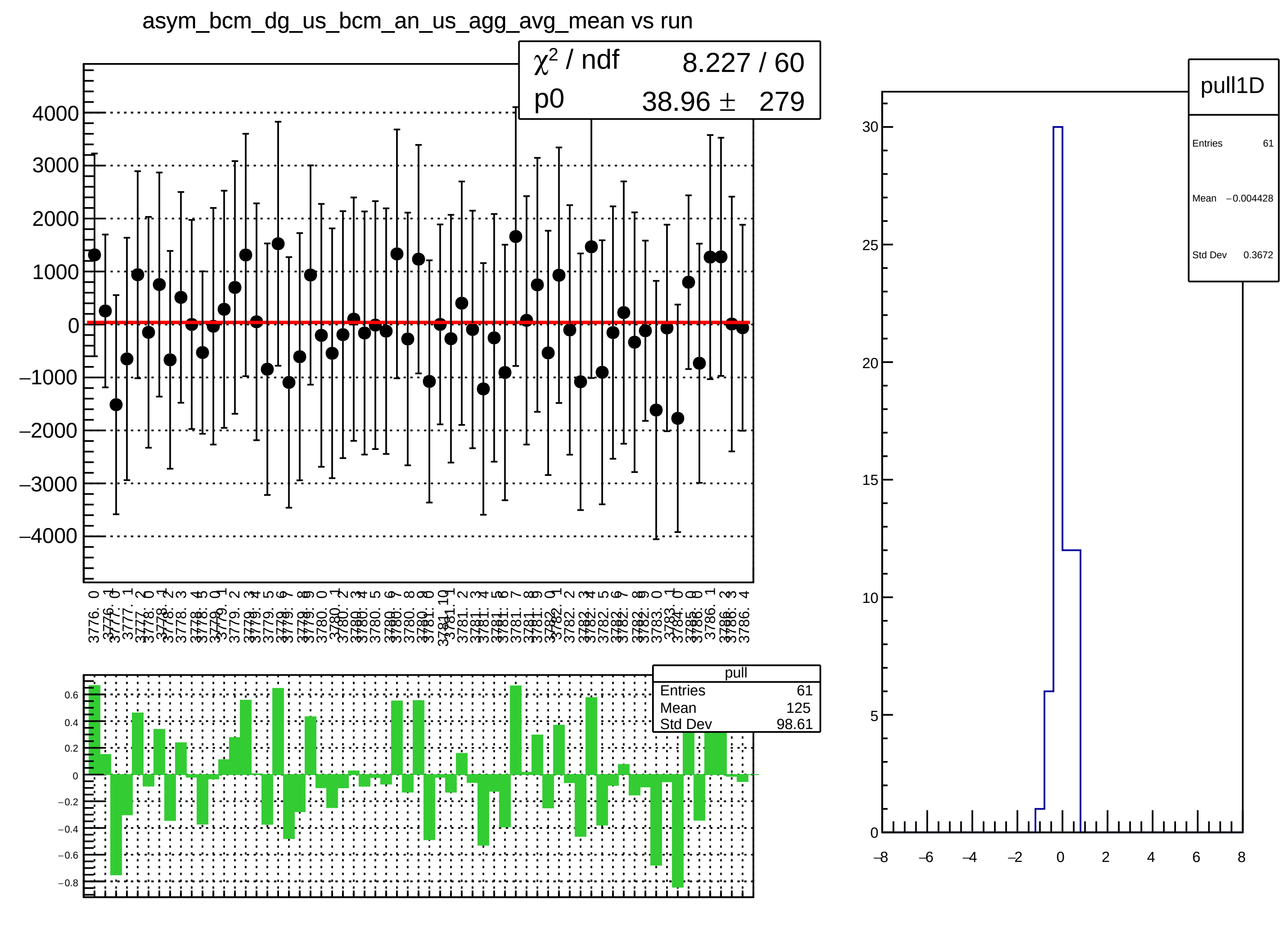
asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ2 / ndf 6.39 / 60
p0 −1.363 ± 271.9
pull
Entries 61
Mean 117.1
Std Dev 89.32
pull1D
Entries 61
Mean −0.002474
Std Dev 0.3237


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 5260 / 60
p0 211.4 ± 0.1923
250
240
230
220
210
200
190
180
170

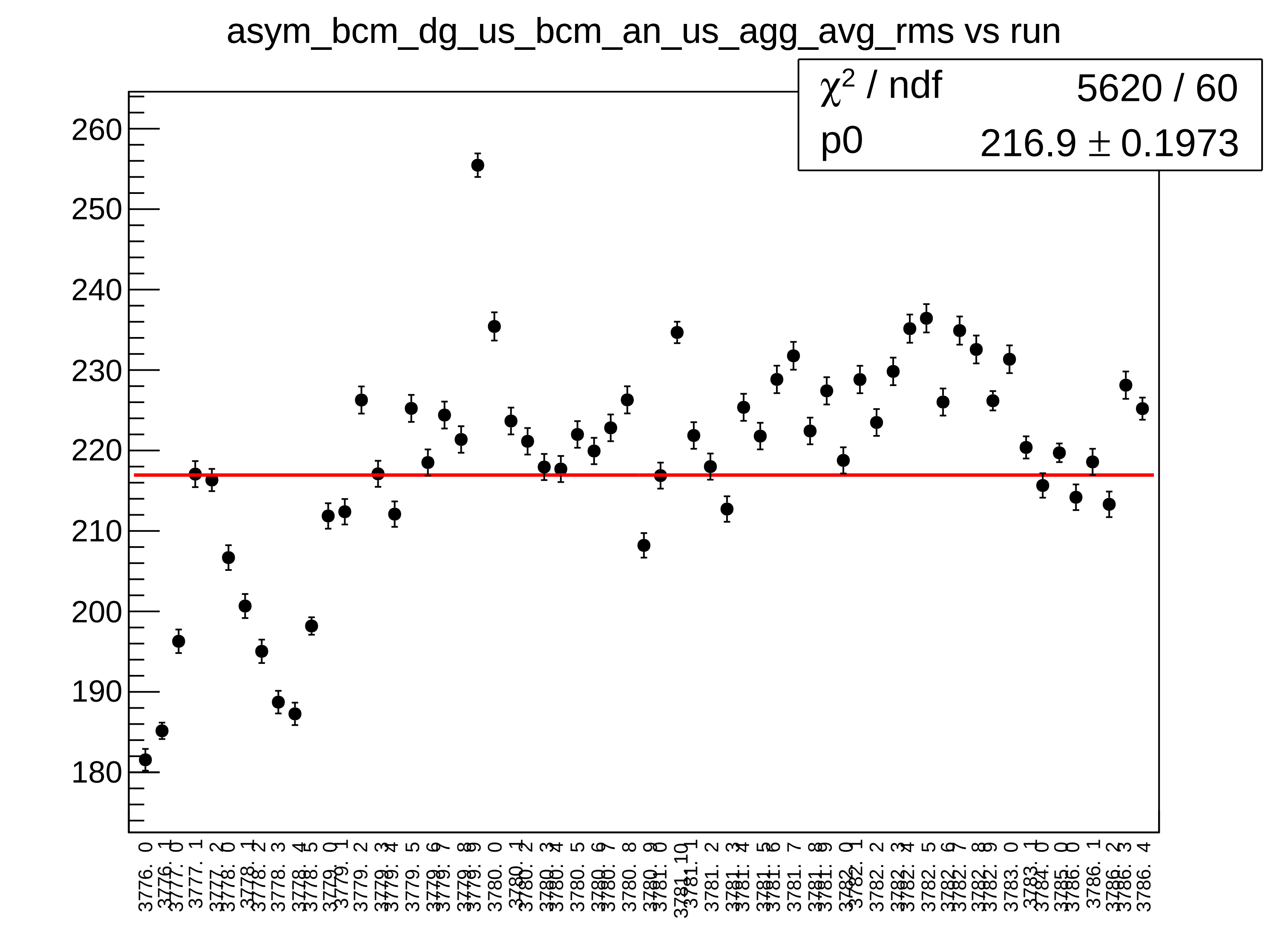

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ2 / ndf 62.65 / 60
p0 −10.59 ± 26.35
pull
Entries 61
Mean 82.54
Std Dev 46.72
pull1D
Entries 61
Mean −0.02793
Std Dev 1.013



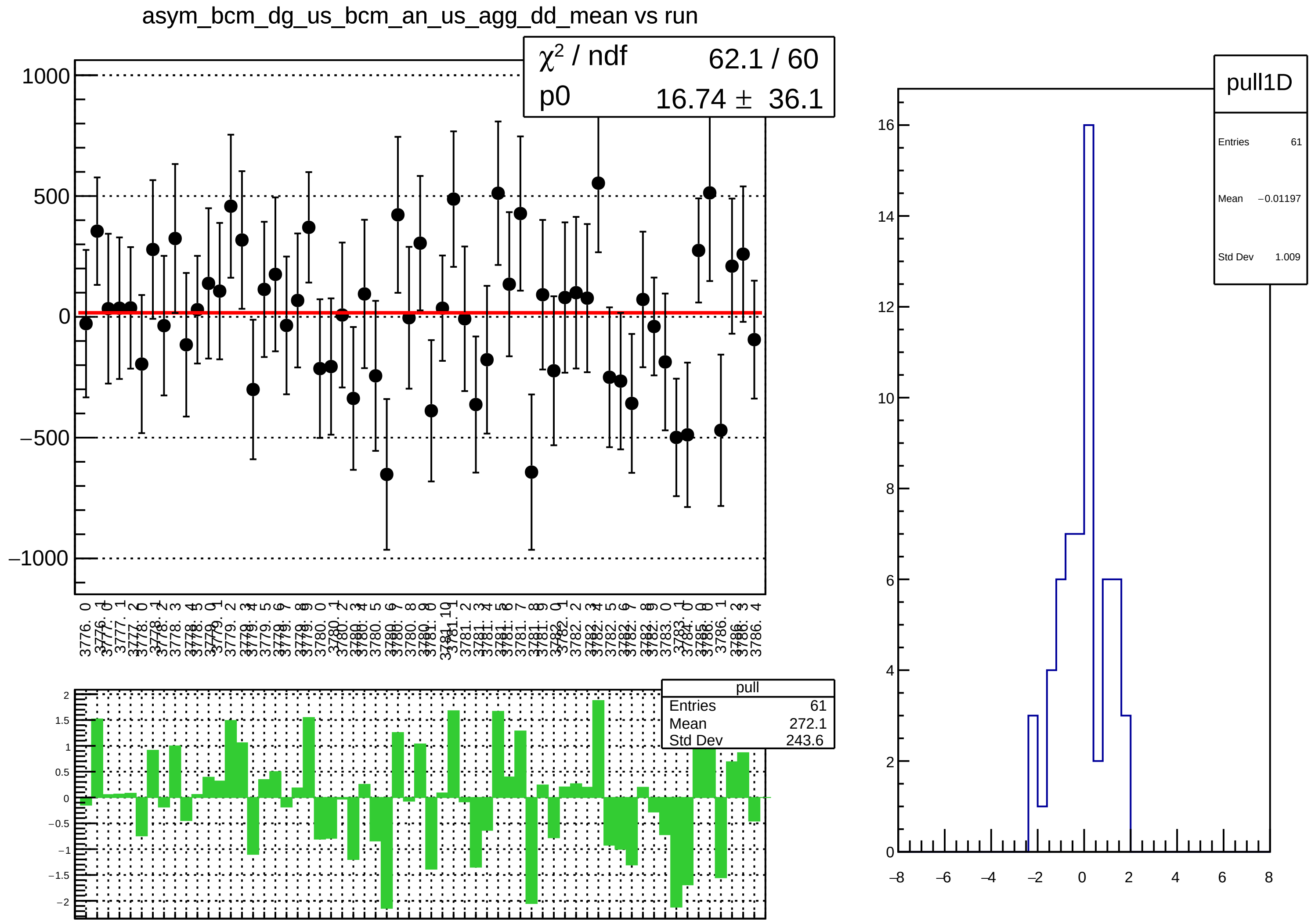
asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 8866 / 60
p0 20.46 ± 0.01863
30
28
26
24
22
20
18



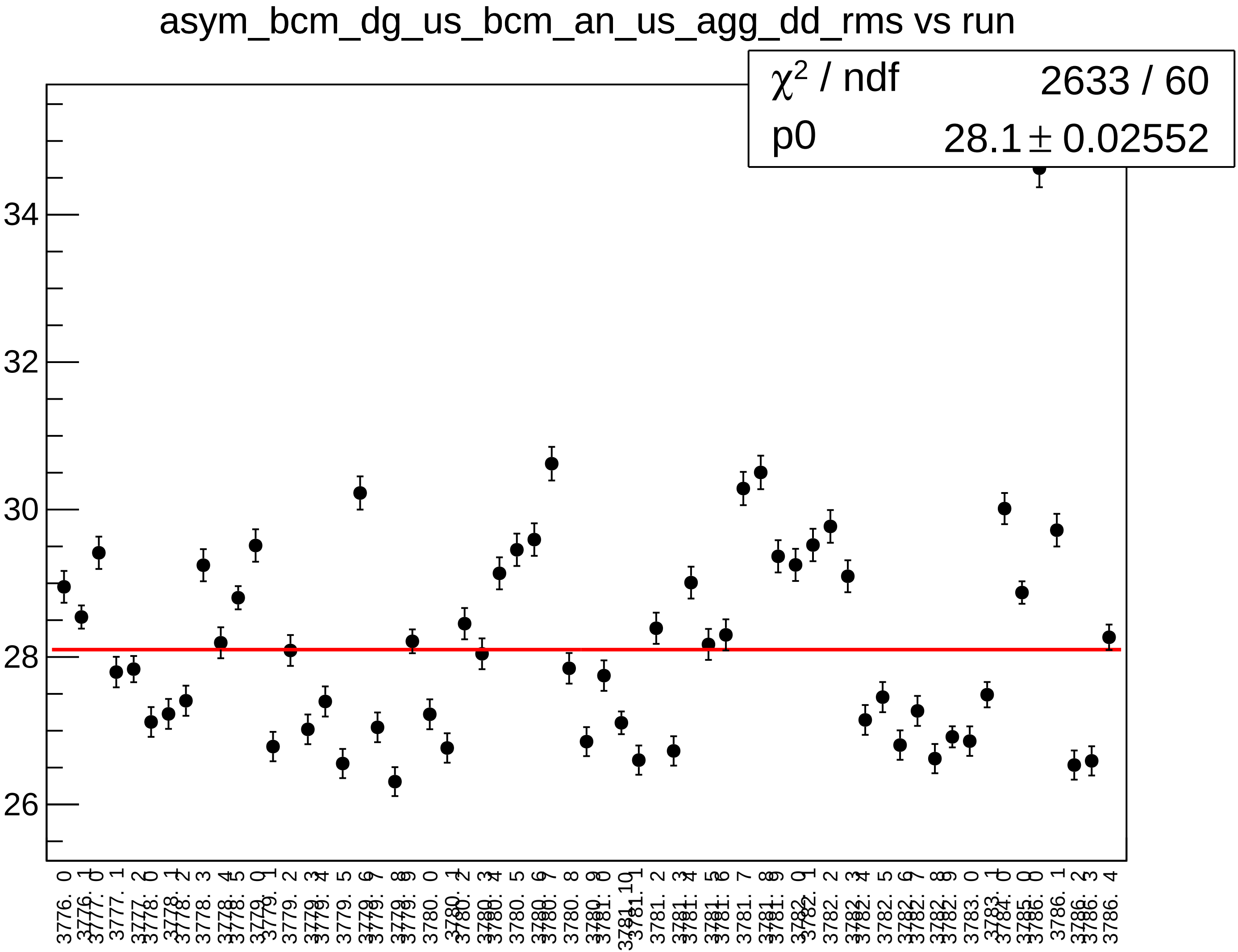
asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ2 / ndf 8.227 / 60
p0 38.96 ± 279
pull
Entries 61
Mean 125
Std Dev 98.61
pull1D
Entries 61
Mean −0.004428
Std Dev 0.3672

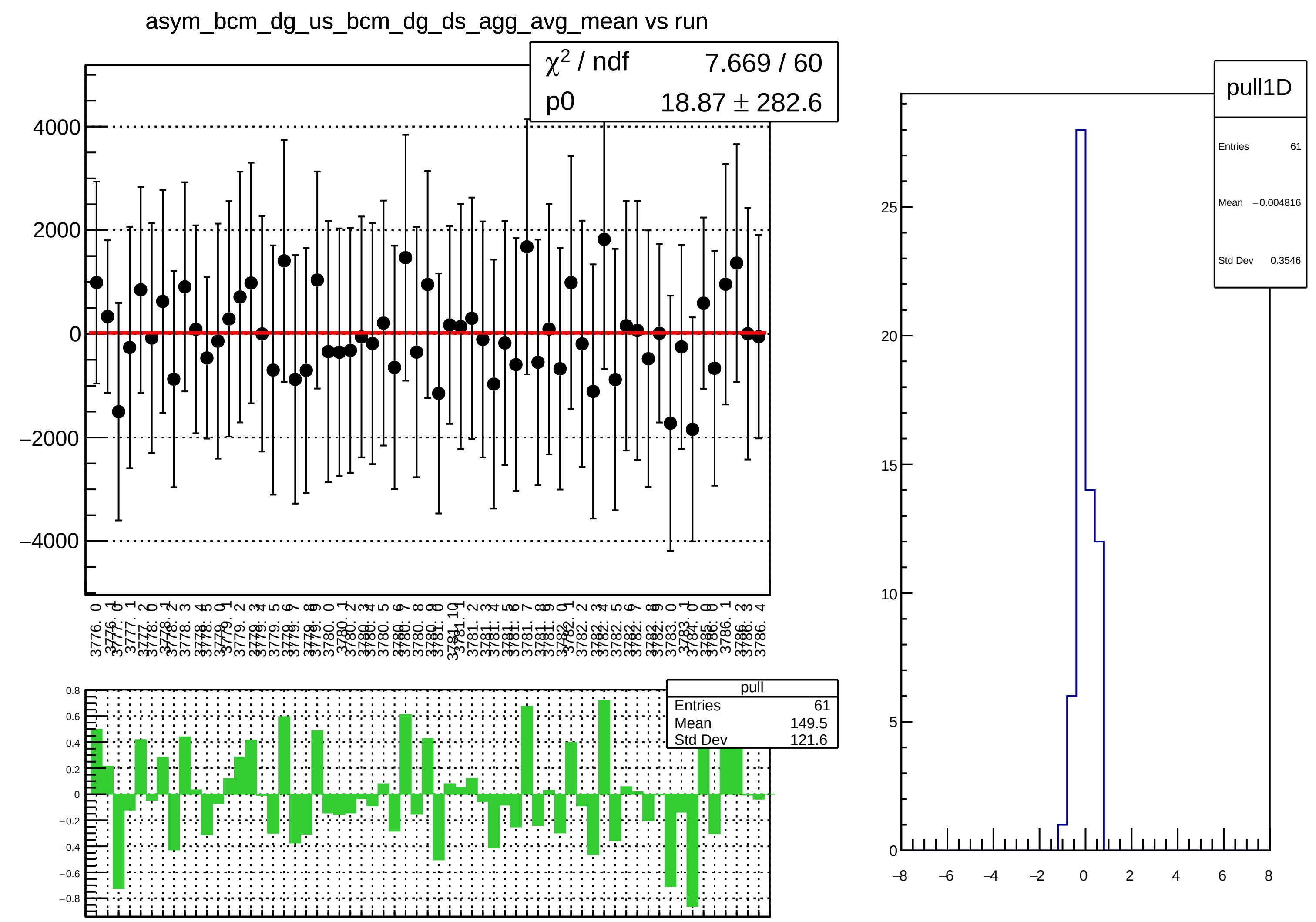


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ2 / ndf 5620 / 60
p0 216.9 ± 0.1973
260
250
240
230
220
210
200
190
180

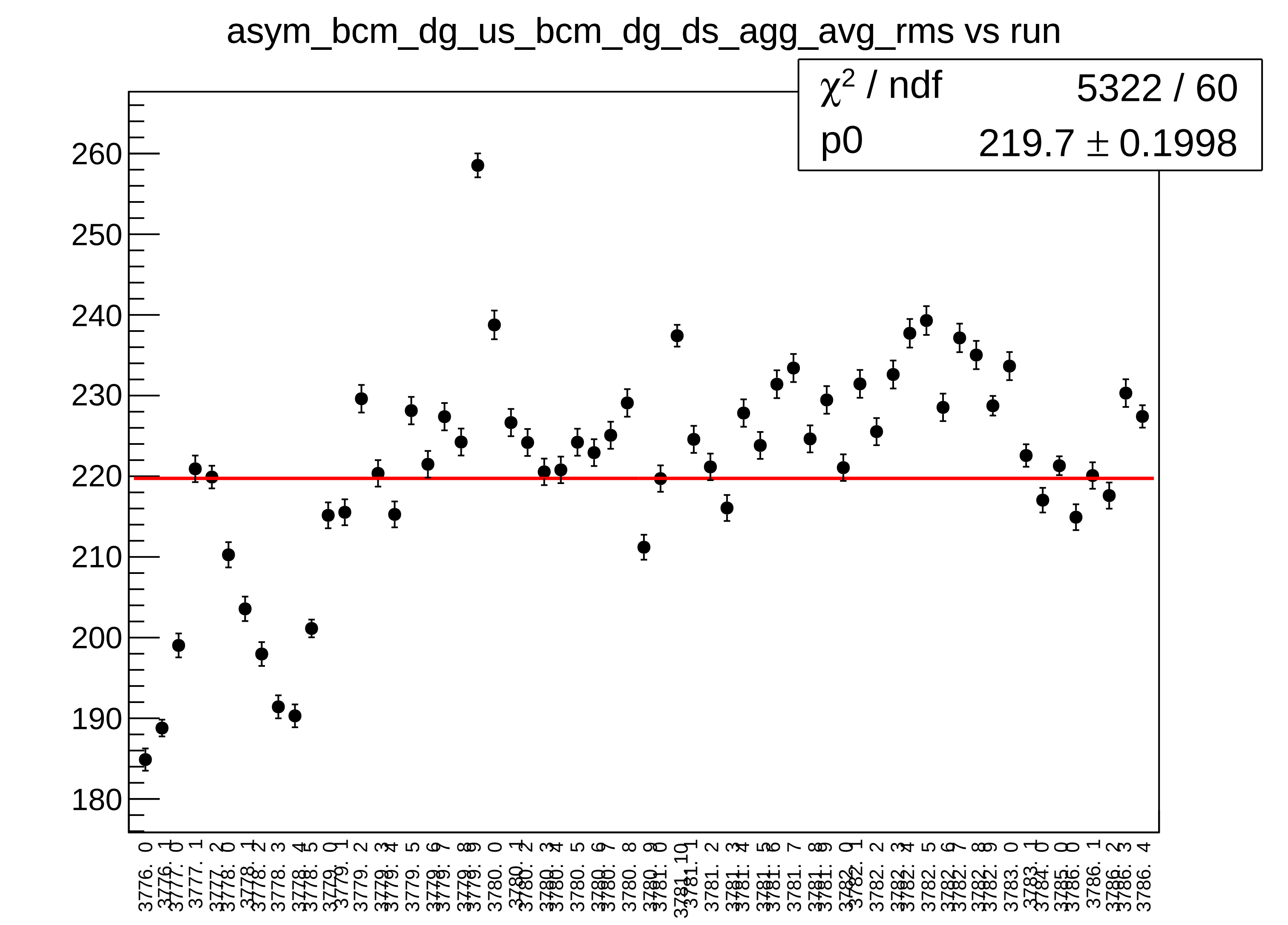


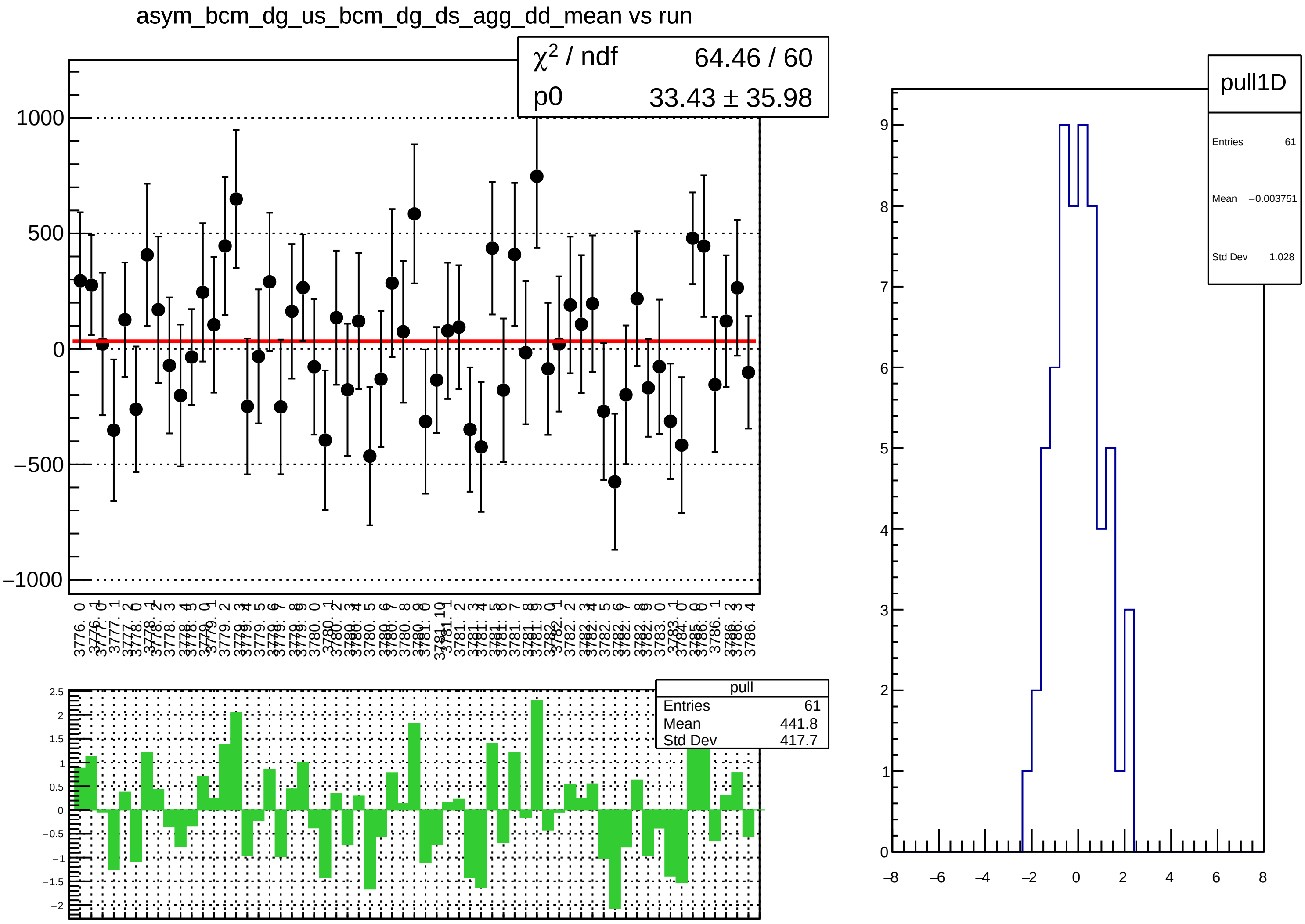
asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ2 / ndf 62.1 / 60
p0 16.74 ± 36.1
pull
Entries 61
Mean 272.1
Std Dev 243.6
pull1D
Entries 61
Mean −0.01197
Std Dev 1.009

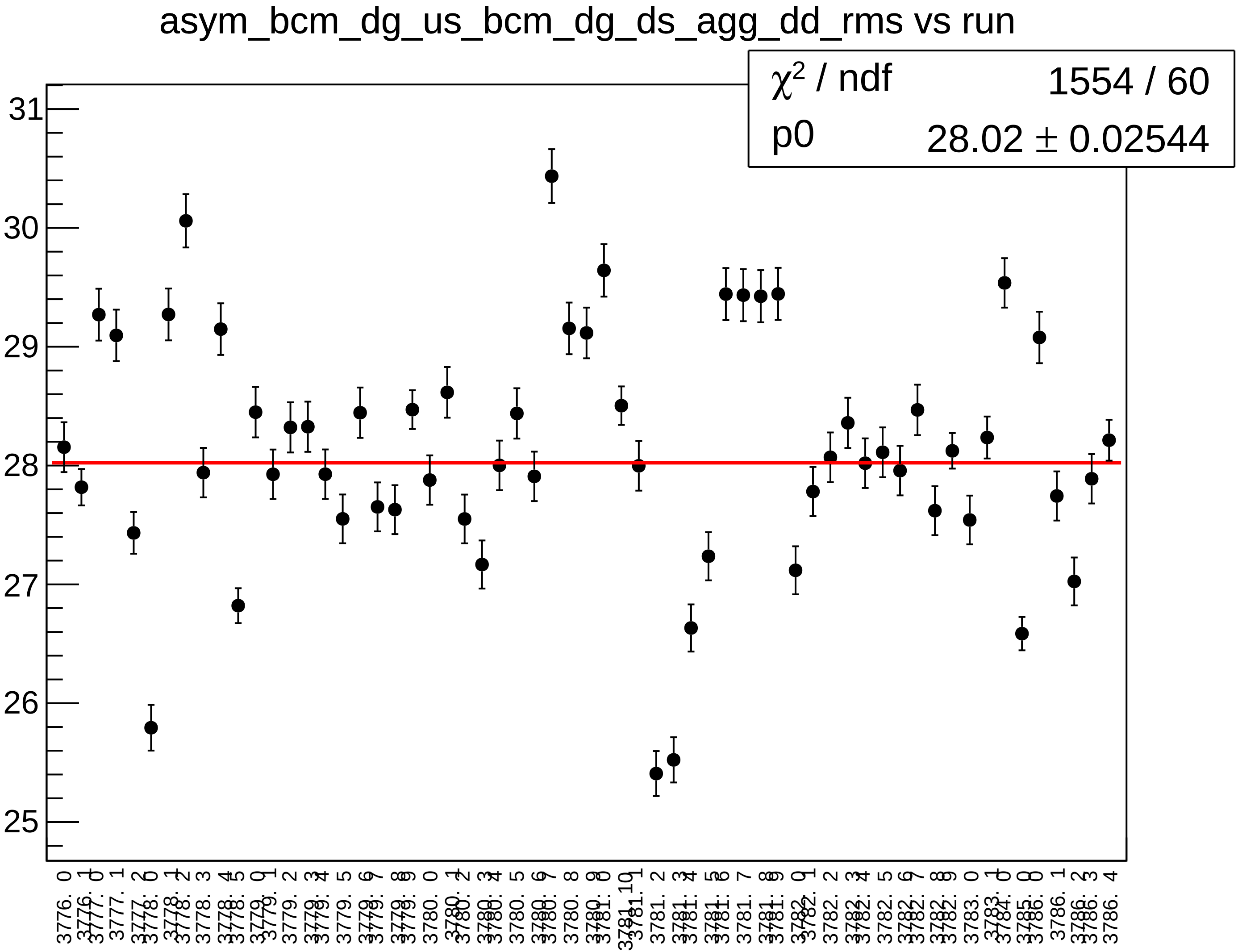

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 2633 / 60
p0 28.1 ± 0.02552
34
32
30
28
26



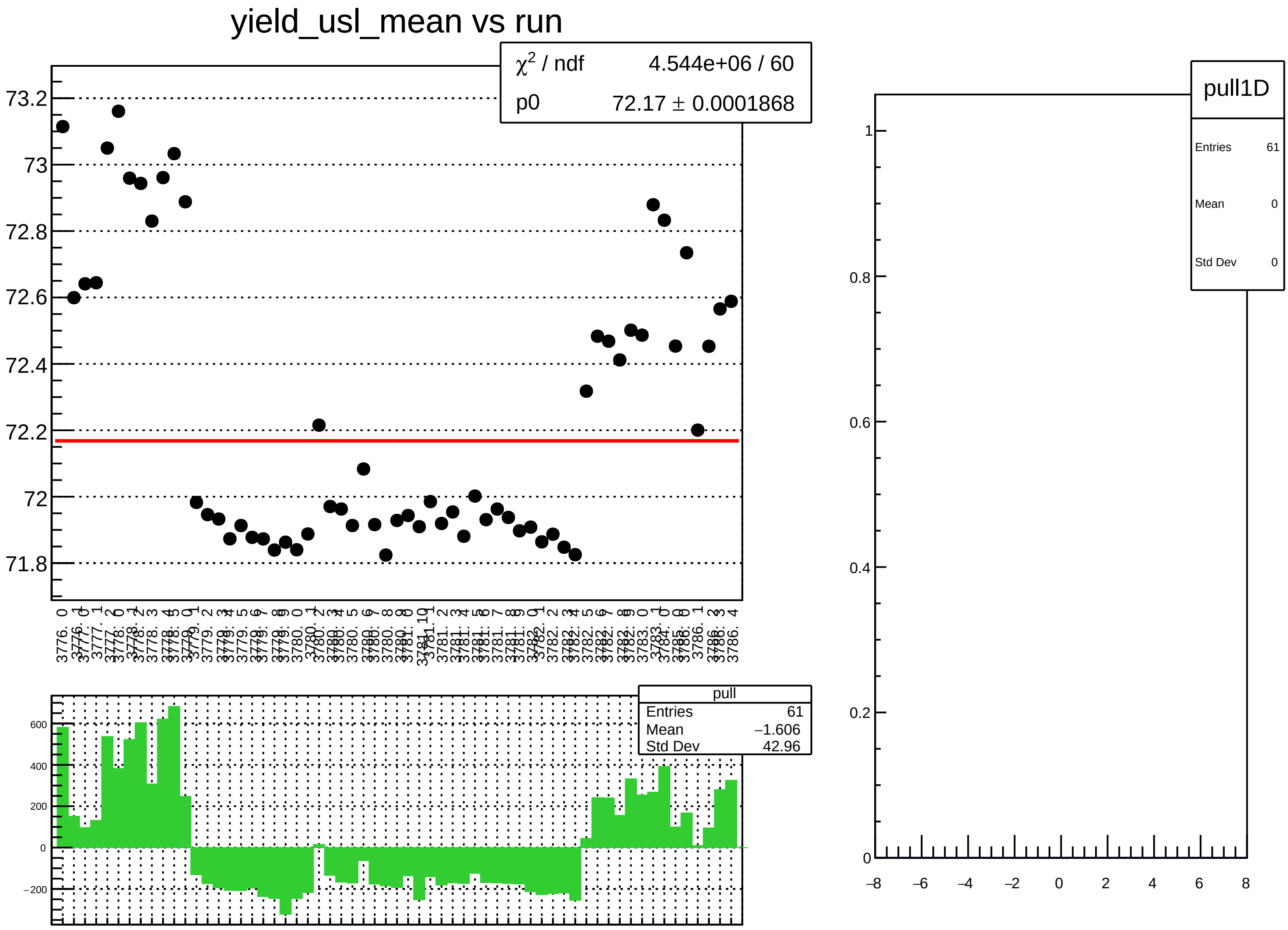
asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ2 / ndf 7.669 / 60
p0 18.87 ± 282.6
pull
Entries 61
Mean 149.5
Std Dev 121.6
pull1D
Entries 61
Mean −0.004816
Std Dev 0.3546


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ2 / ndf 5322 / 60
p0 219.7 ± 0.1998

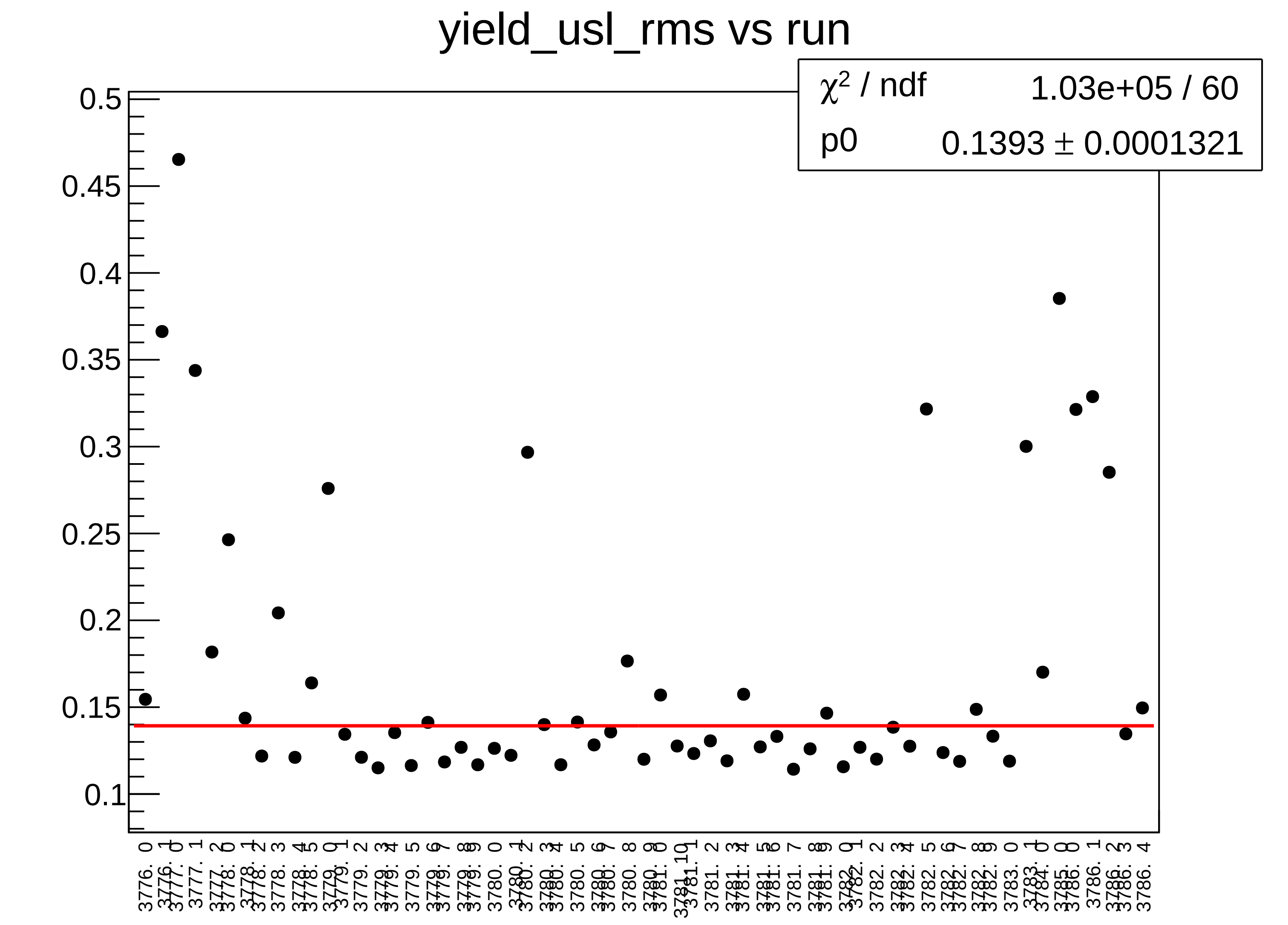

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 64.46 / 60
p0 33.43 ± 35.98
pull
Entries 61
Mean 441.8
Std Dev 417.7
pull1D
Entries 61
Mean −0.003751
Std Dev 1.028



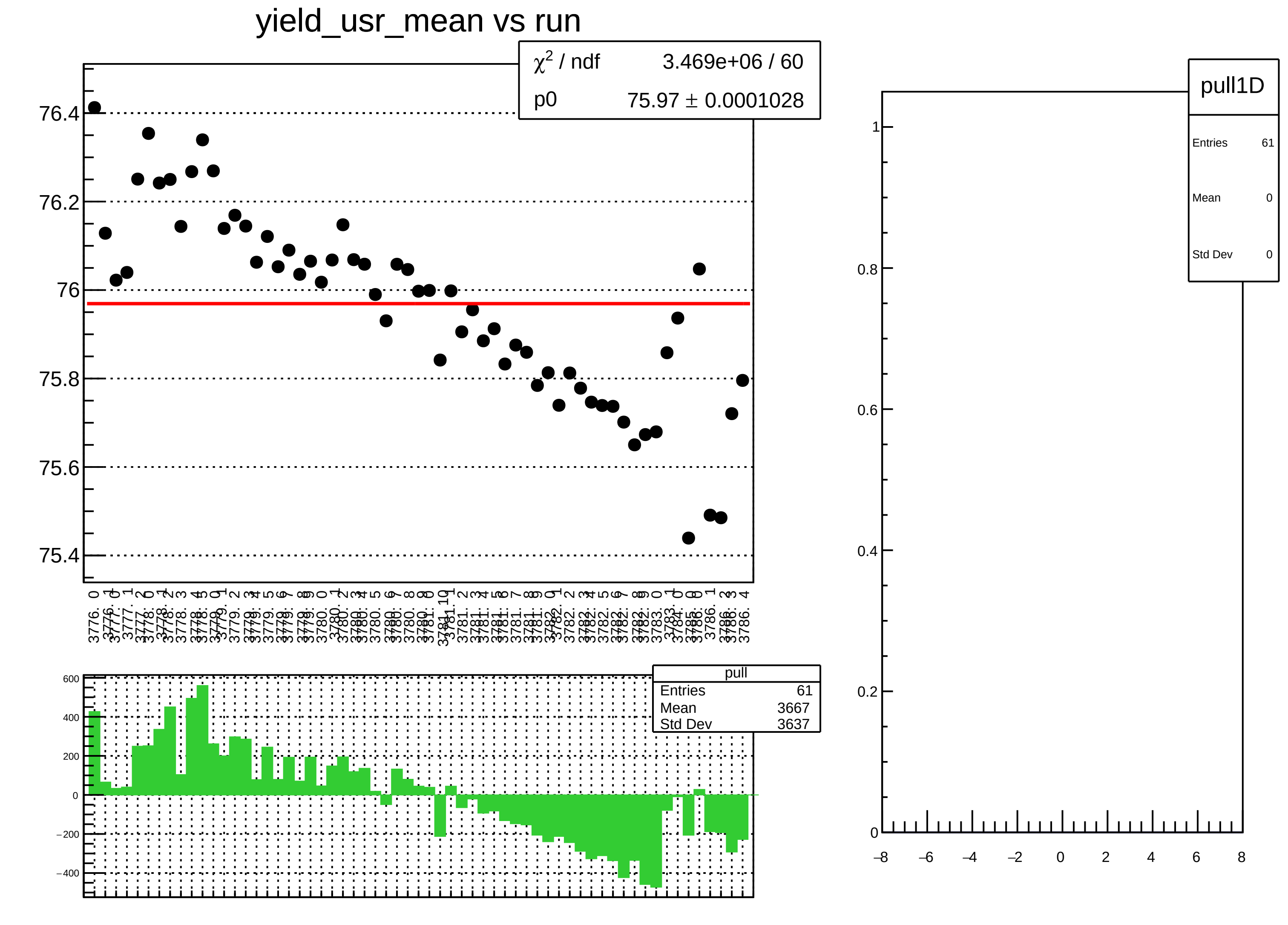
asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 1554 / 60
p0 28.02 ± 0.02544
31
30
29
28
27
26
25

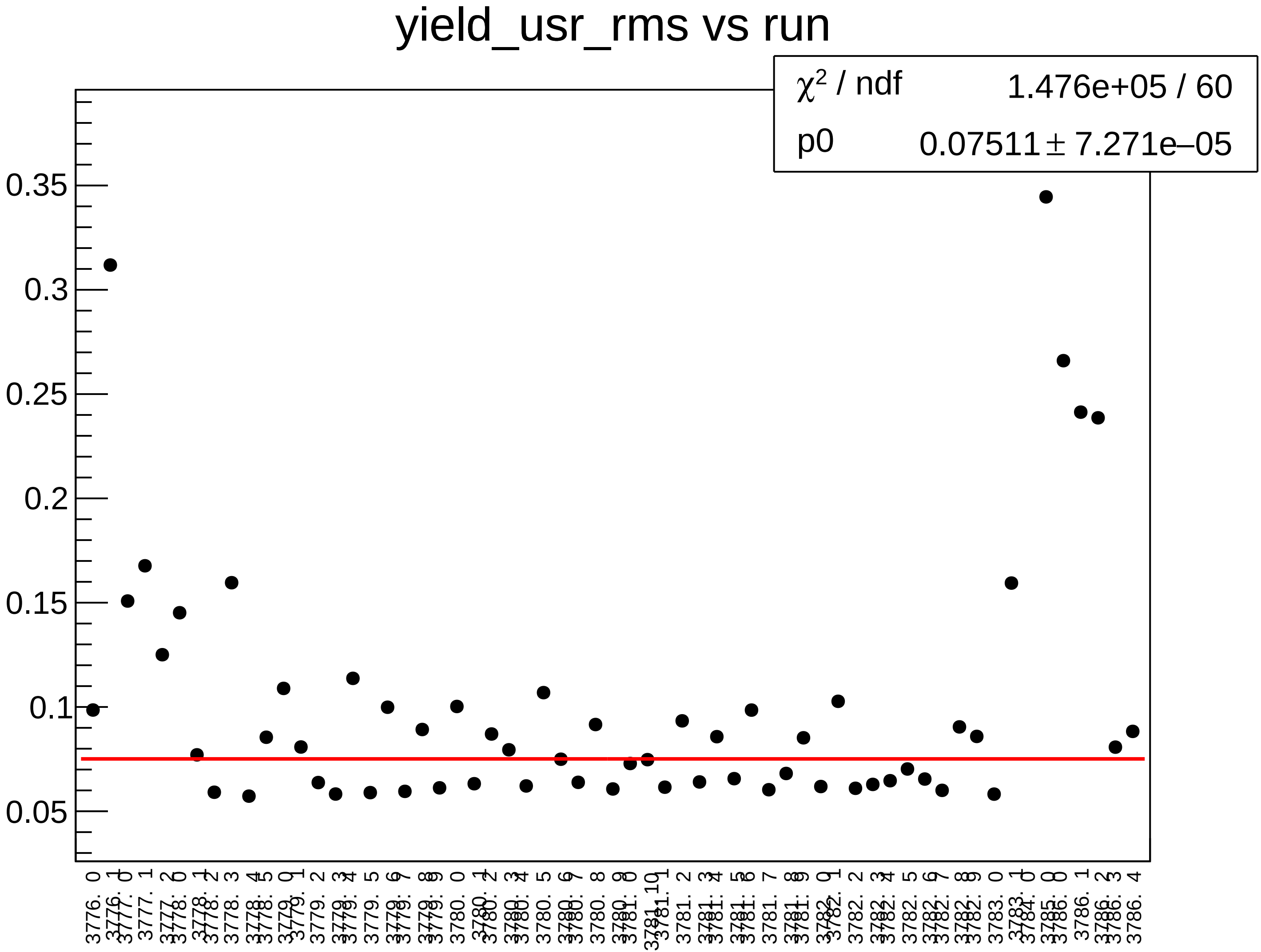


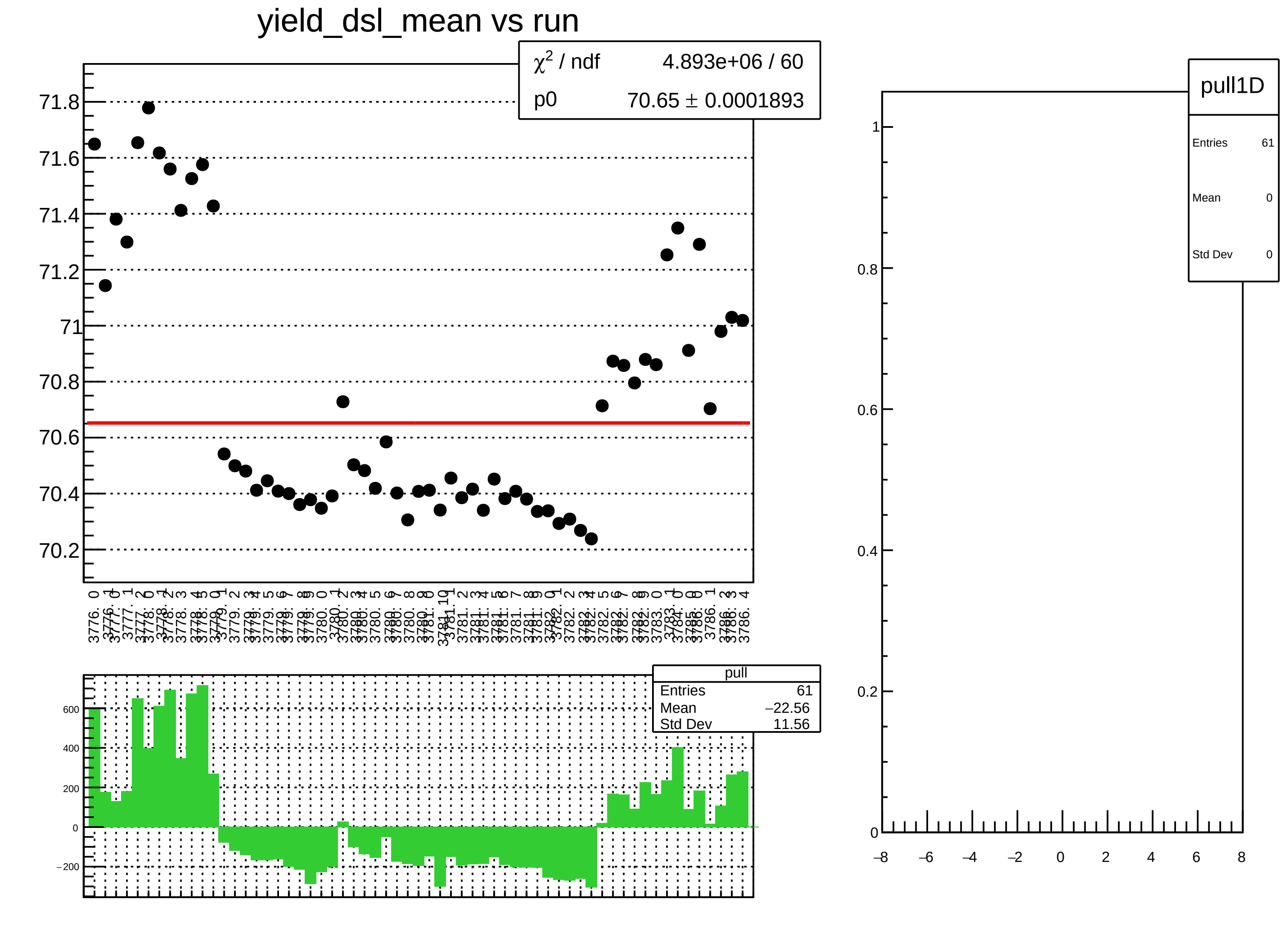
yield_usl_mean vs run
χ^2 / ndf 4.544e+06 / 60
p0 72.17 ± 0.0001868
pull
Entries 61
Mean −1.606
Std Dev 42.96
pull1D
Entries 61
Mean 0
Std Dev 0



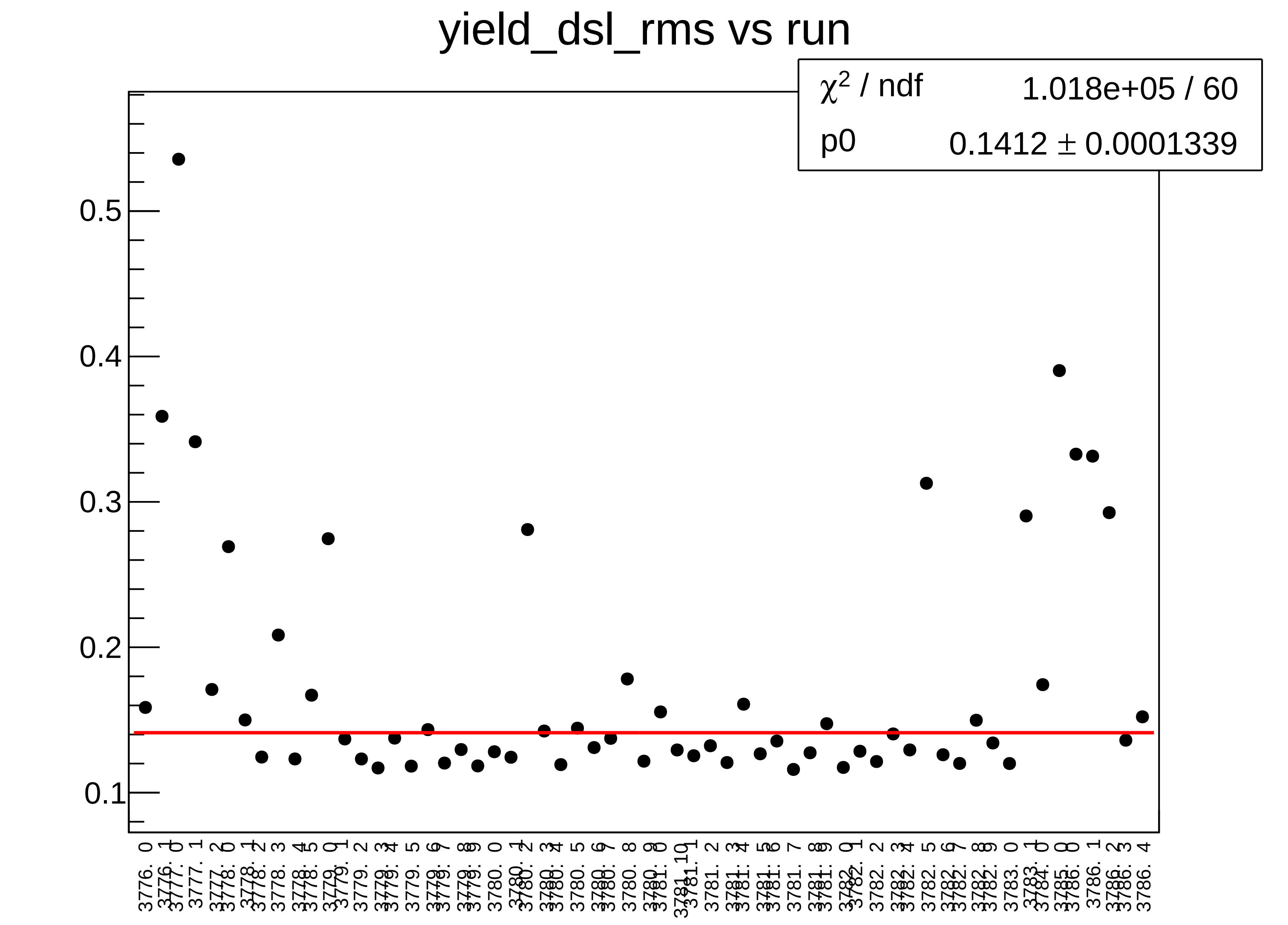
yield_usl_rms vs run
χ^2 / ndf 1.03e+05 / 60
p0 0.1393 ± 0.0001321
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1


yield_usr_mean vs run
χ^2 / ndf 3.469e+06 / 60
p0 75.97 ± 0.0001028
pull
Entries 61
Mean 3667
Std Dev 3637
pull1D
Entries 61
Mean 0
Std Dev 0

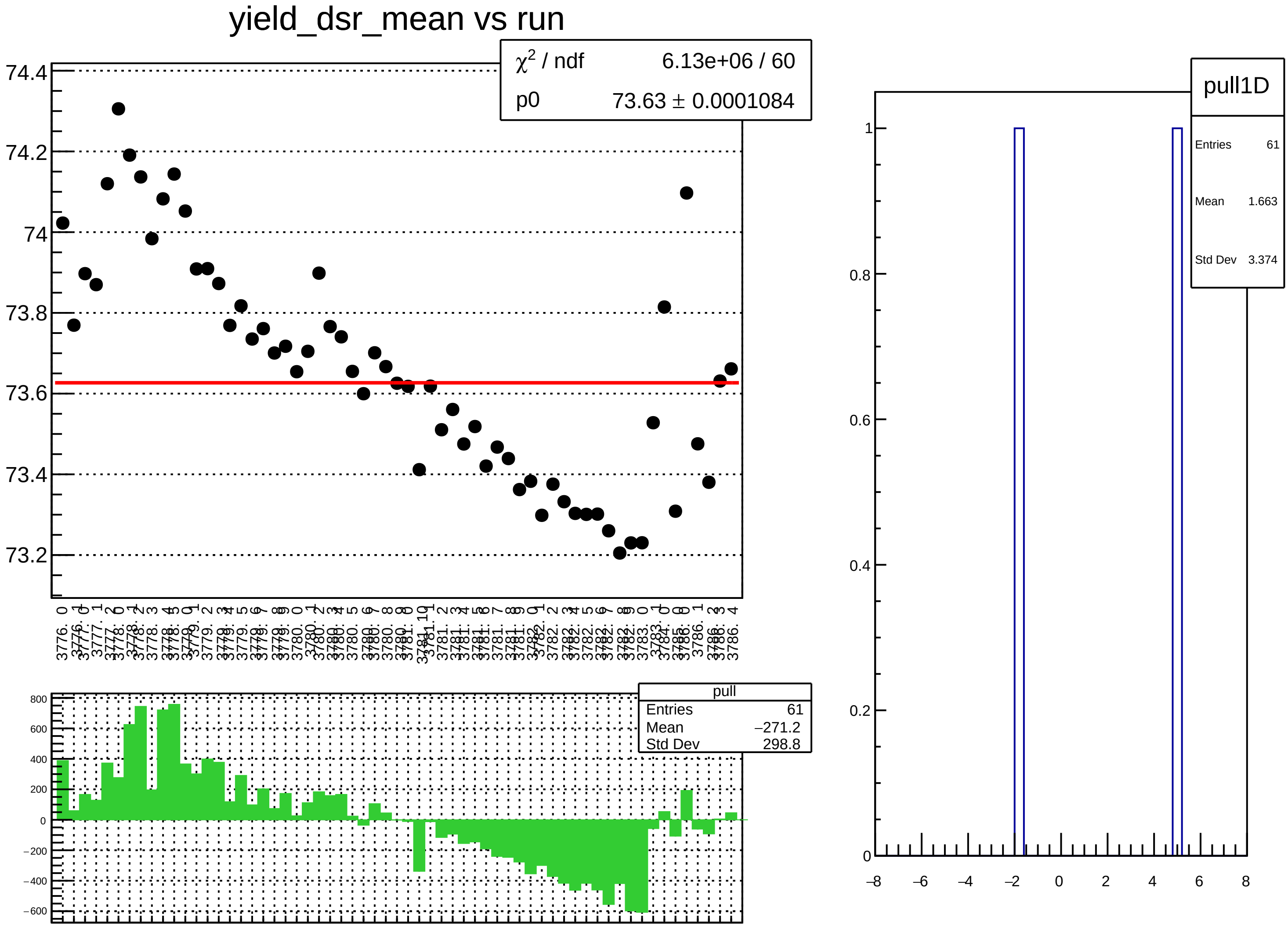

yield_usr_rms vs run
χ^2 / ndf 1.476e+05 / 60
p0 0.07511 ± 7.271e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05



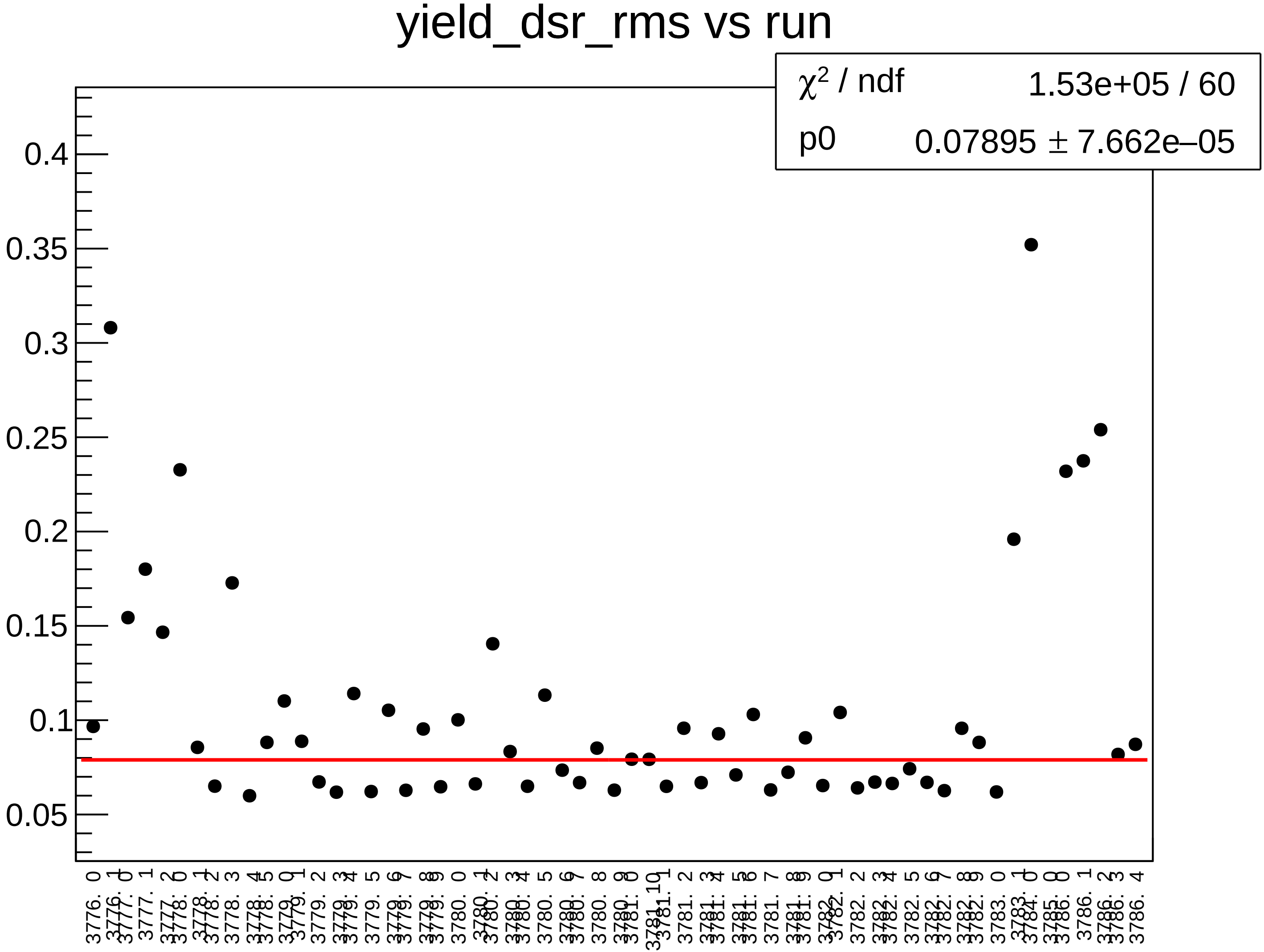
yield_dsl_mean vs run
χ2 / ndf 4.893e+06 / 60
p0 70.65 ± 0.0001893
pull
Entries 61
Mean −22.56
Std Dev 11.56
pull1D
Entries 61
Mean 0
Std Dev 0



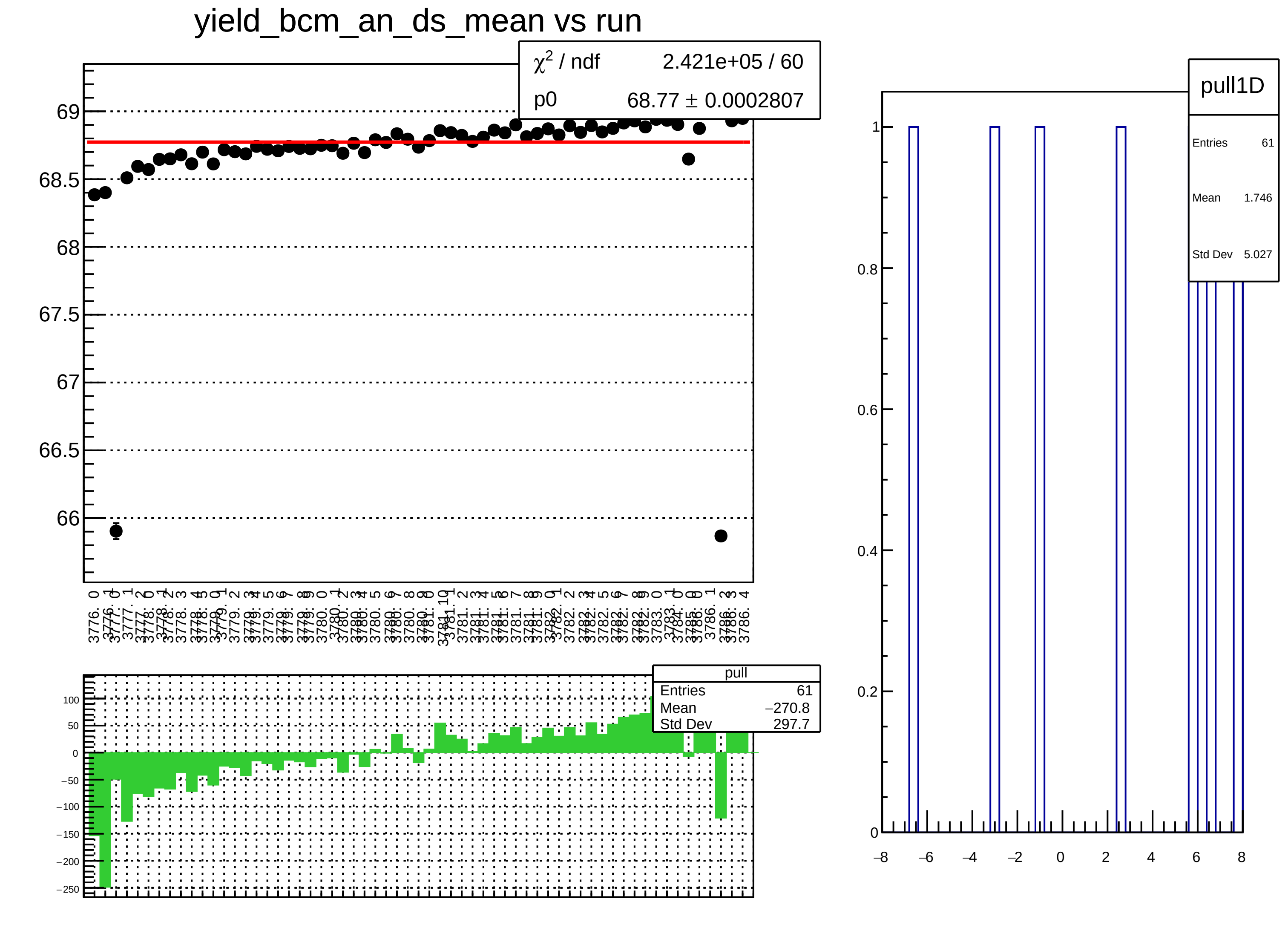
yield_dsl_rms vs run
χ^2 / ndf 1.018e+05 / 60
p0 0.1412 ± 0.0001339
0.1
0.2
0.3
0.4
0.5



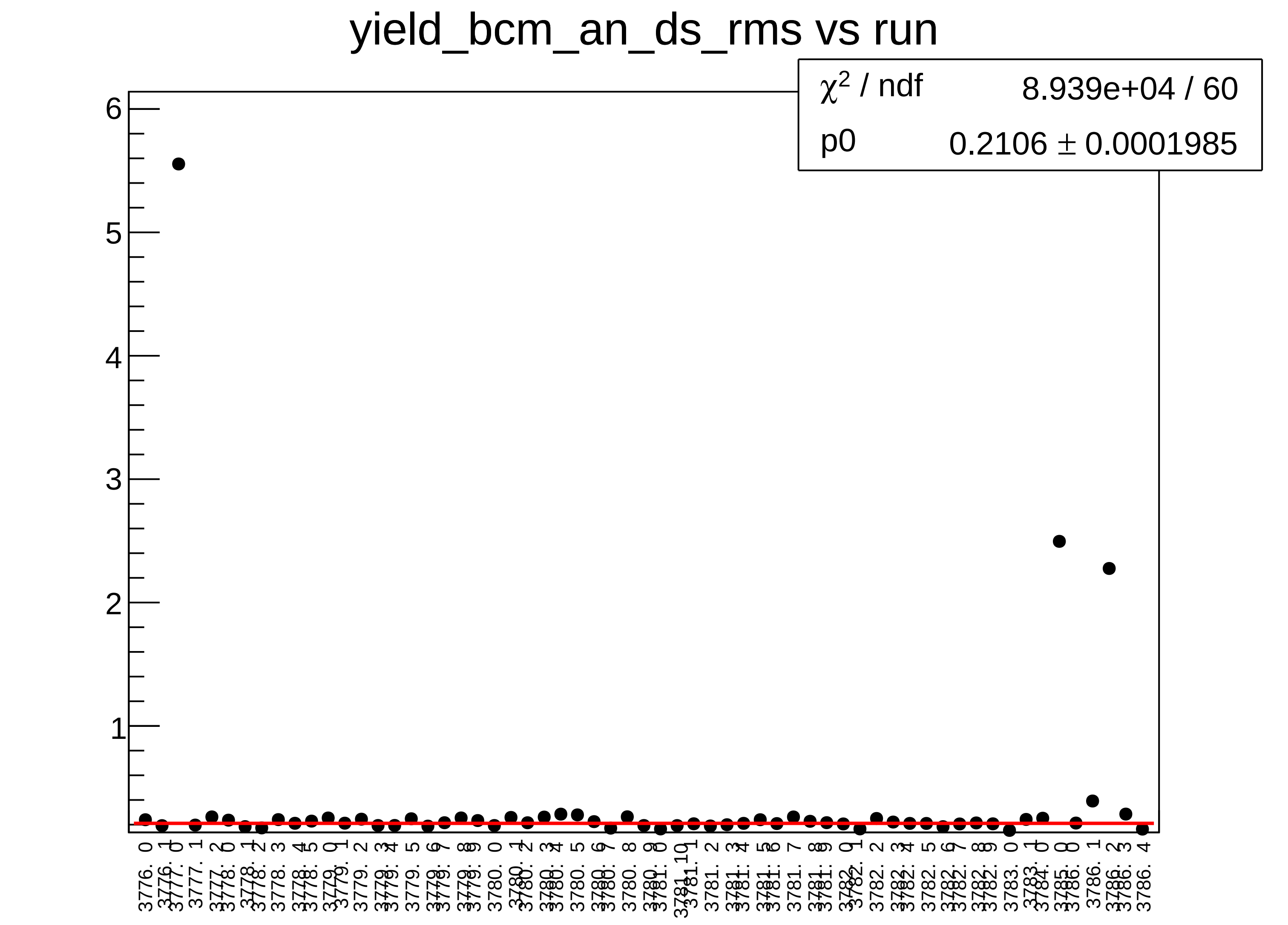
yield_dsr_mean vs run
χ^2 / ndf 6.13e+06 / 60
p0 73.63 ± 0.0001084
74.4
74.2
74
73.8
73.6
73.4
73.2
pull
Entries 61
Mean −271.2
Std Dev 298.8
800
600
400
200
0
−200
−400
−600
pull1D
Entries 61
Mean 1.663
Std Dev 3.374
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



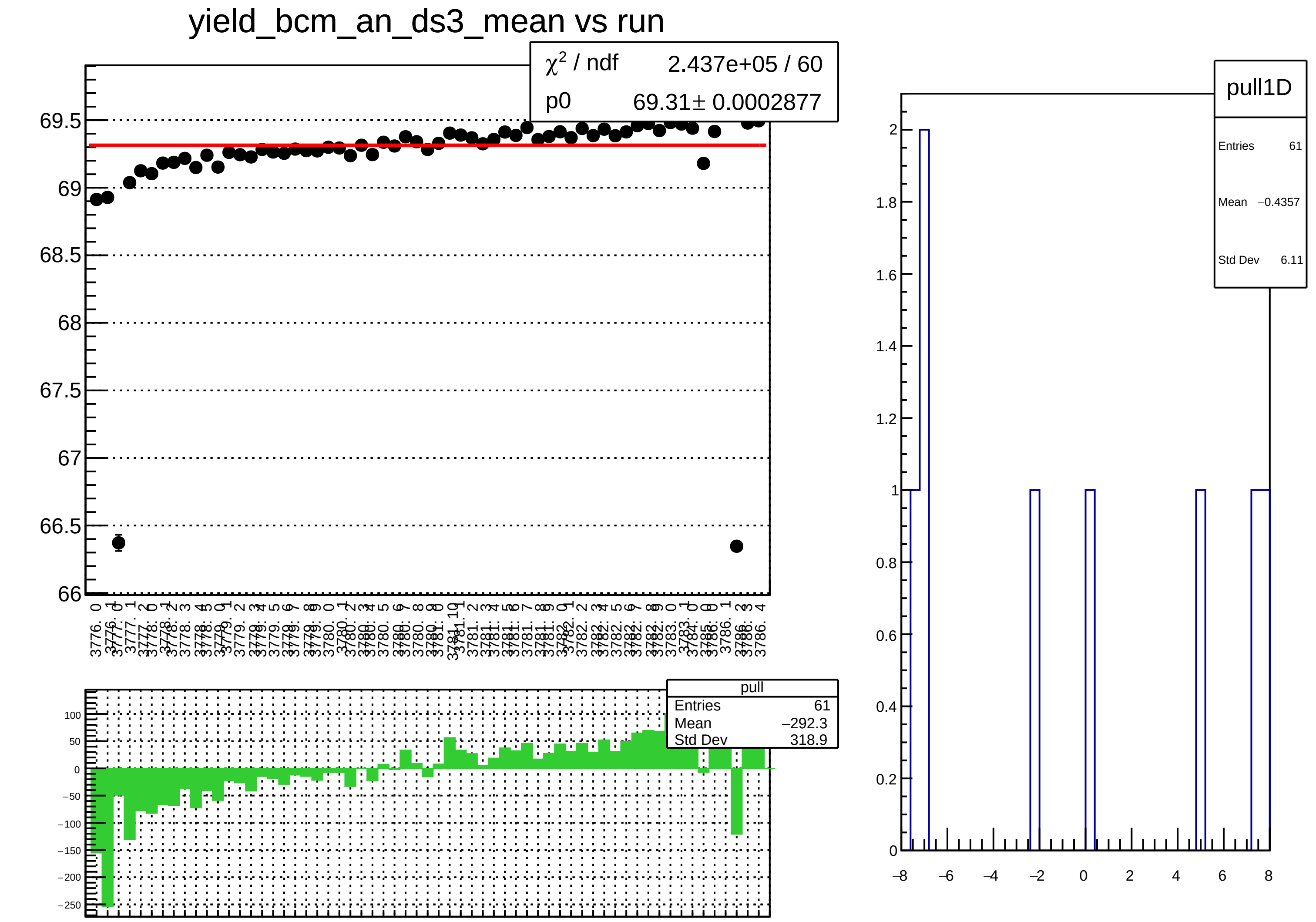
yield_dsr_rms vs run
χ2 / ndf 1.53e+05 / 60
p0 0.07895 ± 7.662e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05



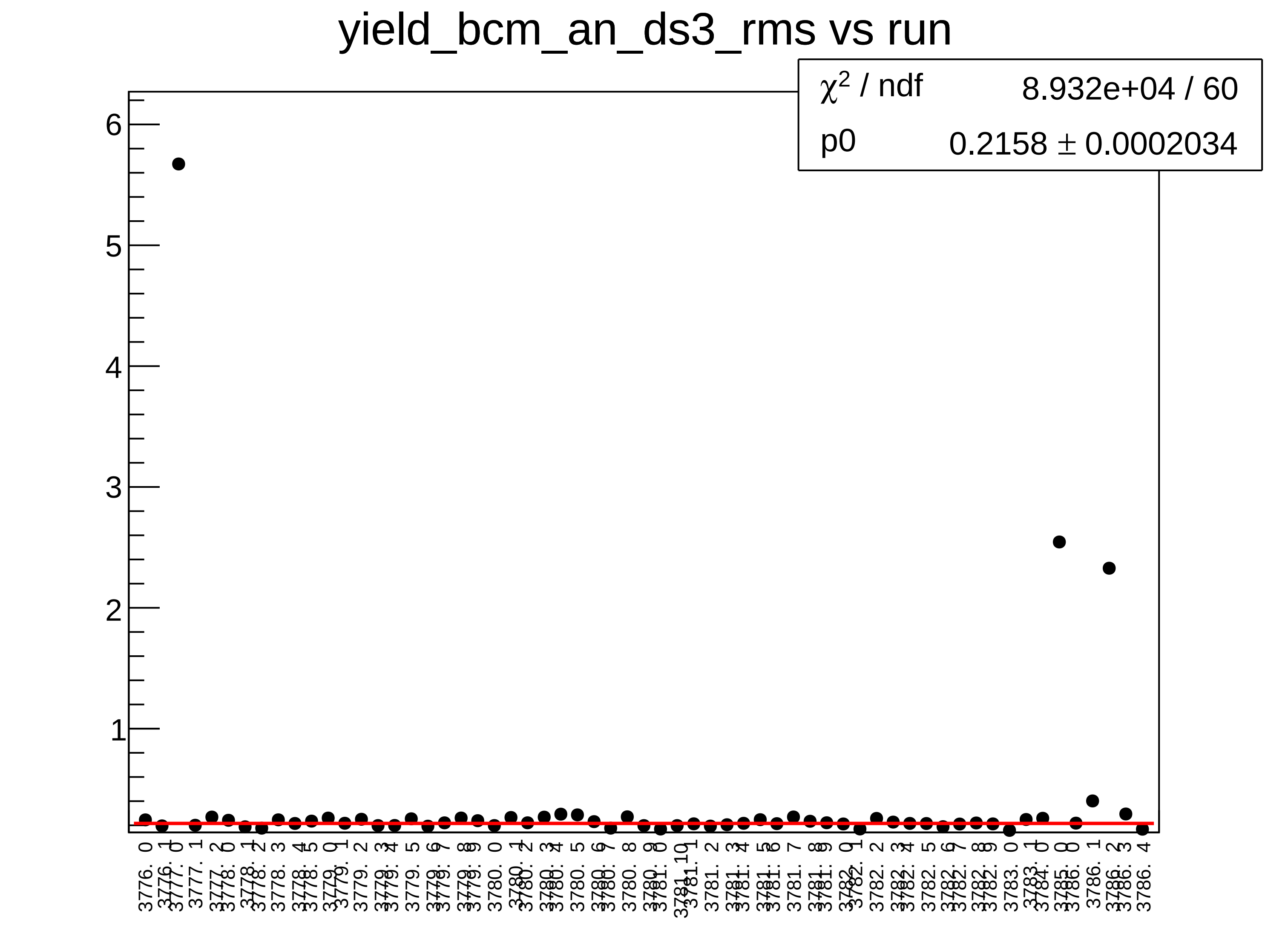
yield_bcm_an_ds_mean vs run
χ^2 / ndf 2.421e+05 / 60
p0 68.77 ± 0.0002807
pull
Entries 61
Mean −270.8
Std Dev 297.7
pull1D
Entries 61
Mean 1.746
Std Dev 5.027

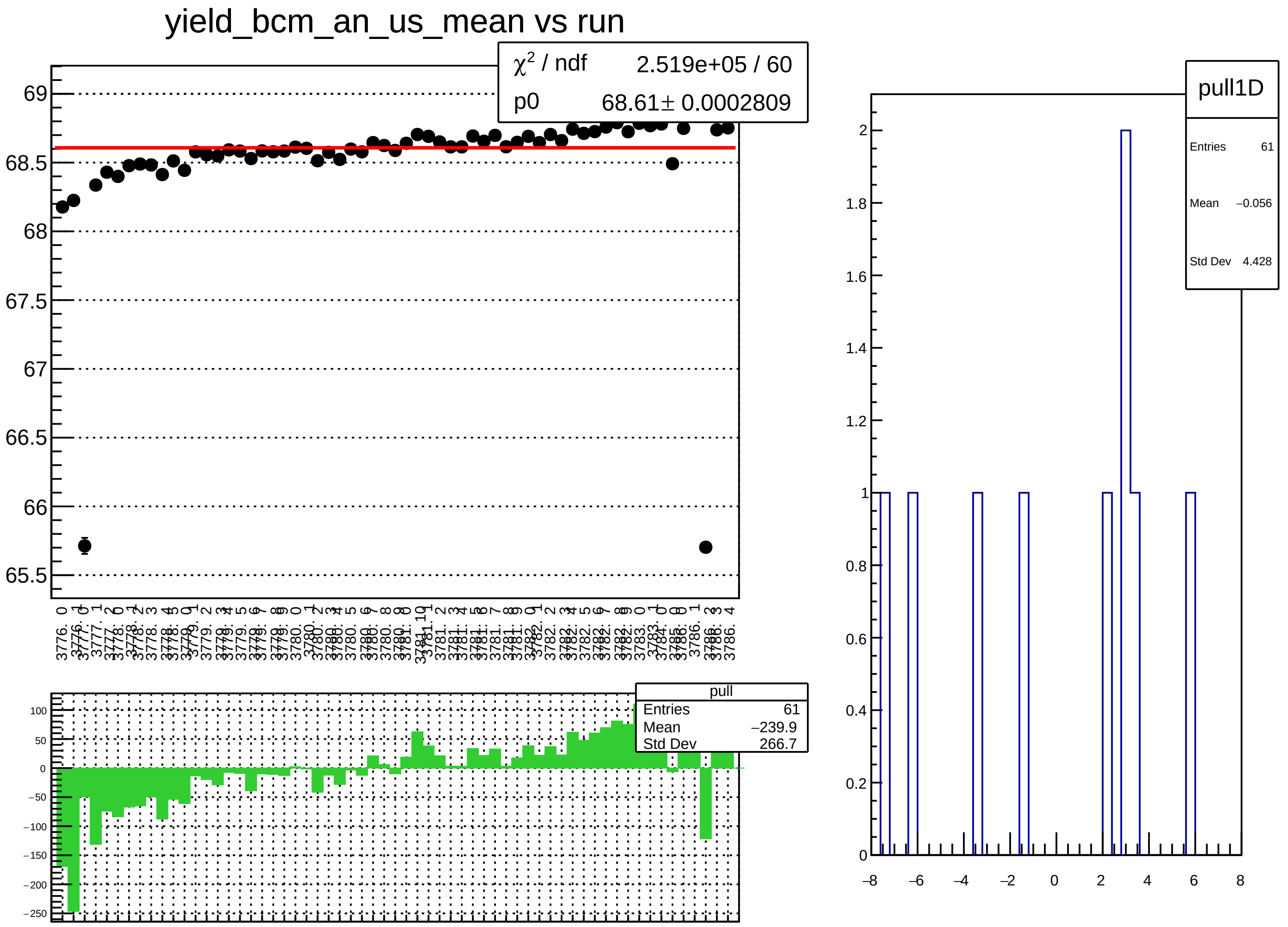


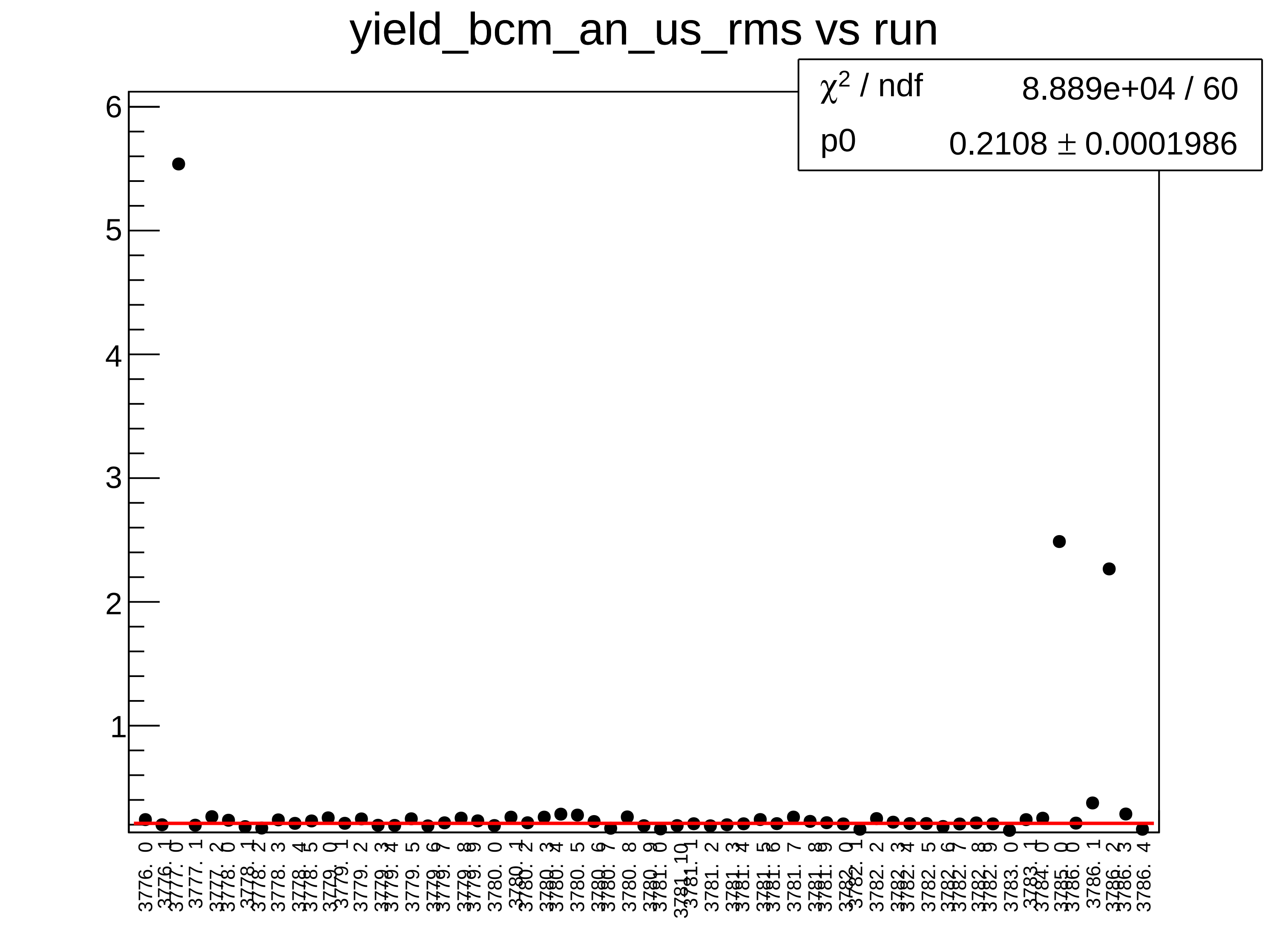
yield_bcm_an_ds_rms vs run
χ² / ndf 8.939e+04 / 60
p0 0.2106 ± 0.0001985

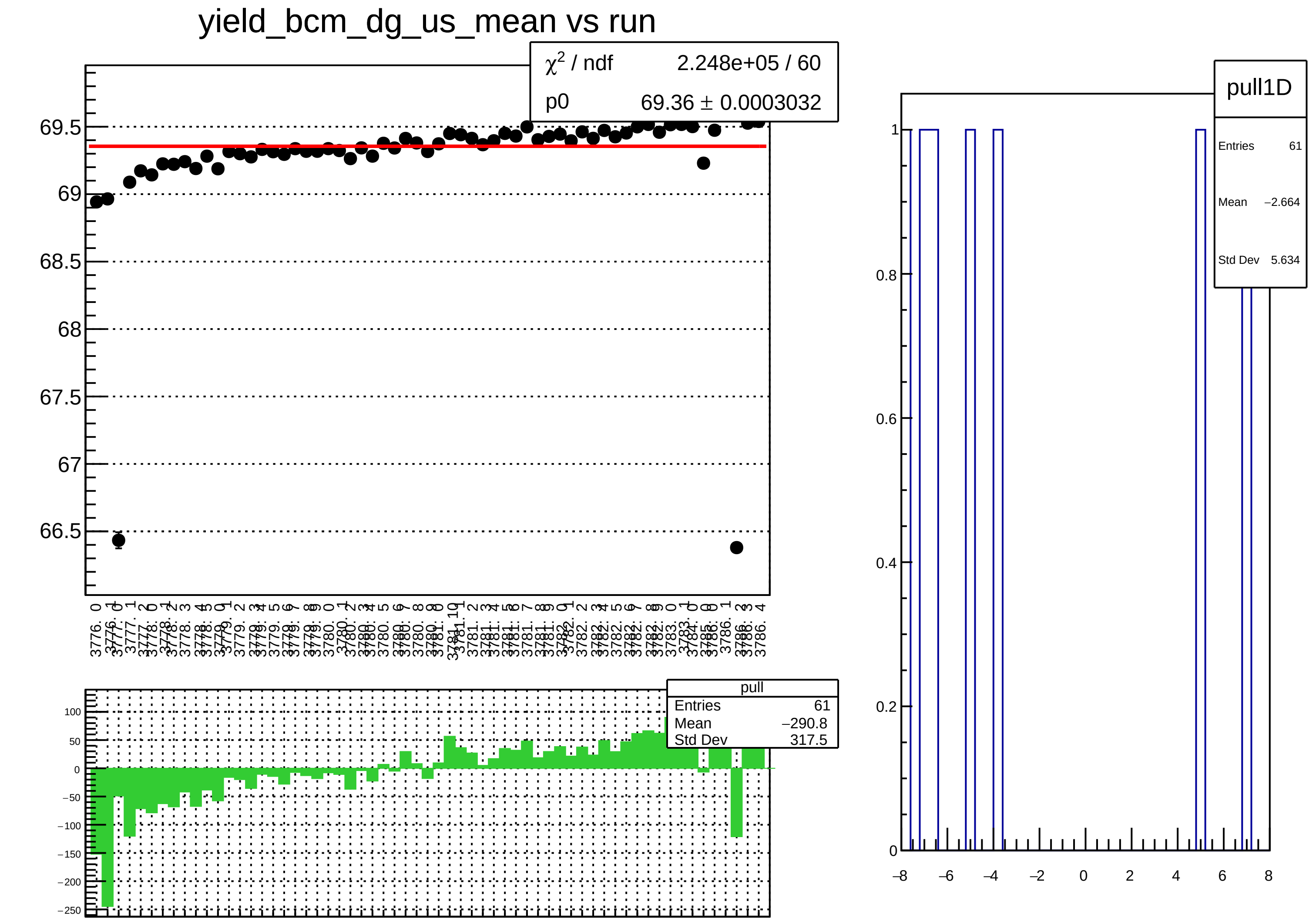


yield_bcm_an_ds3_mean vs run
χ^2 / ndf 2.437e+05 / 60
p0 69.31± 0.0002877
pull
Entries 61
Mean −292.3
Std Dev 318.9
pull1D
Entries 61
Mean −0.4357
Std Dev 6.11

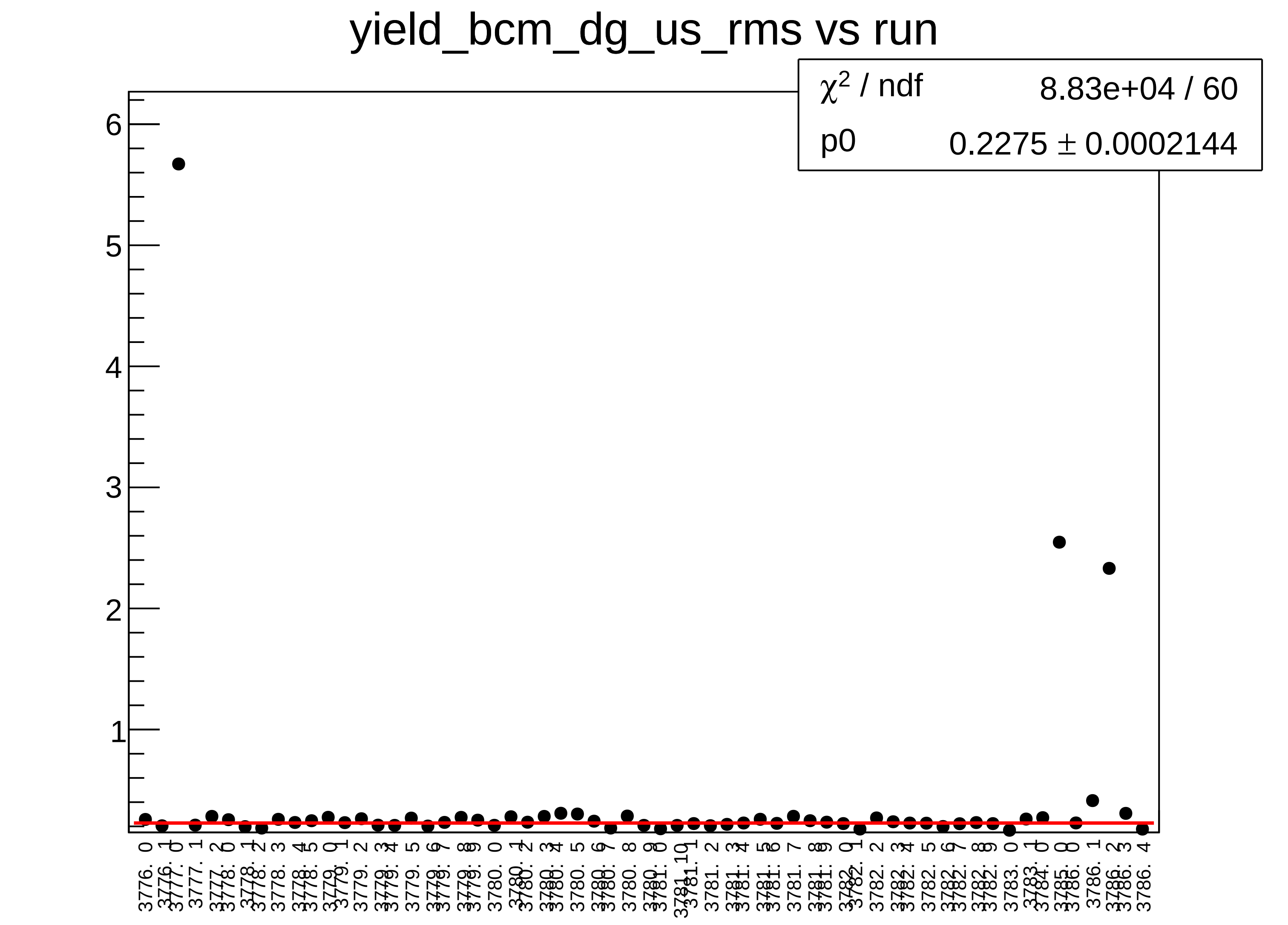

yield_bcm_an_ds3_rms vs run
χ^2 / ndf 8.932e+04 / 60
p0 0.2158 ± 0.0002034


yield_bcm_an_us_mean vs run
χ2 / ndf 2.519e+05 / 60
p0 68.61± 0.0002809
pull
Entries 61
Mean −239.9
Std Dev 266.7
pull1D
Entries 61
Mean −0.056
Std Dev 4.428

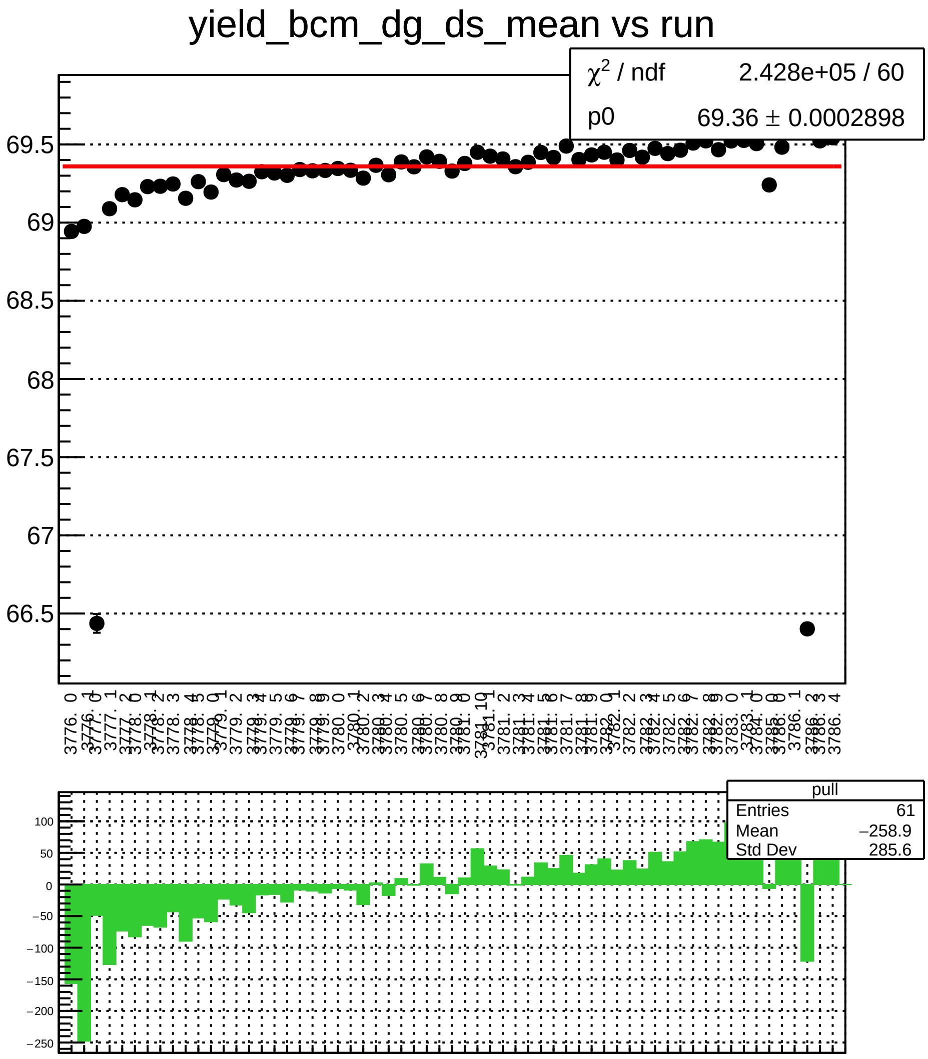

yield_bcm_an_us_rms vs run
χ2 / ndf 8.889e+04 / 60
p0 0.2108 ± 0.0001986
6
5
4
3
2
1



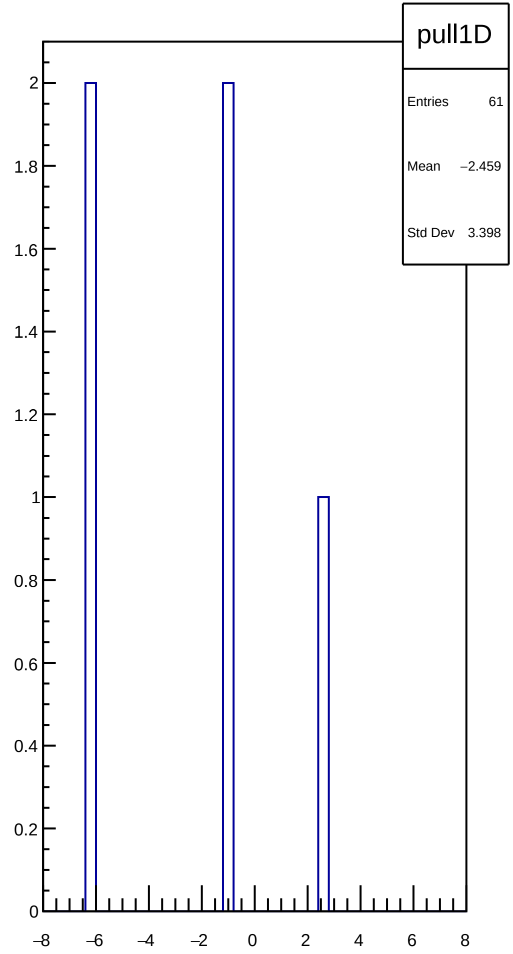
yield_bcm_dg_us_mean vs run
χ2 / ndf 2.248e+05 / 60
p0 69.36 ± 0.0003032
pull
Entries 61
Mean −290.8
Std Dev 317.5
pull1D
Entries 61
Mean −2.664
Std Dev 5.634



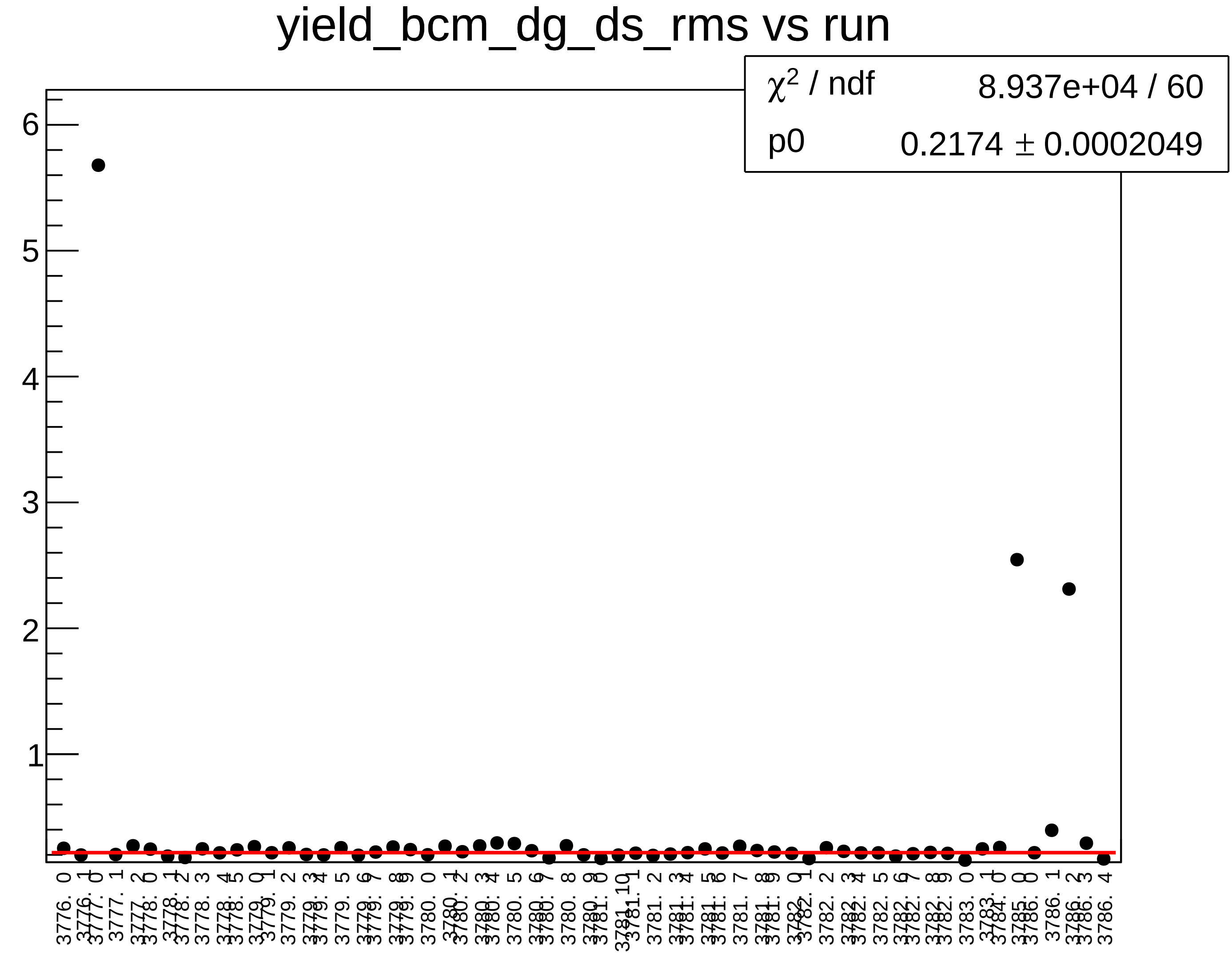
yield_bcm_dg_us_rms vs run
χ2 / ndf 8.83e+04 / 60
p0 0.2275 ± 0.0002144



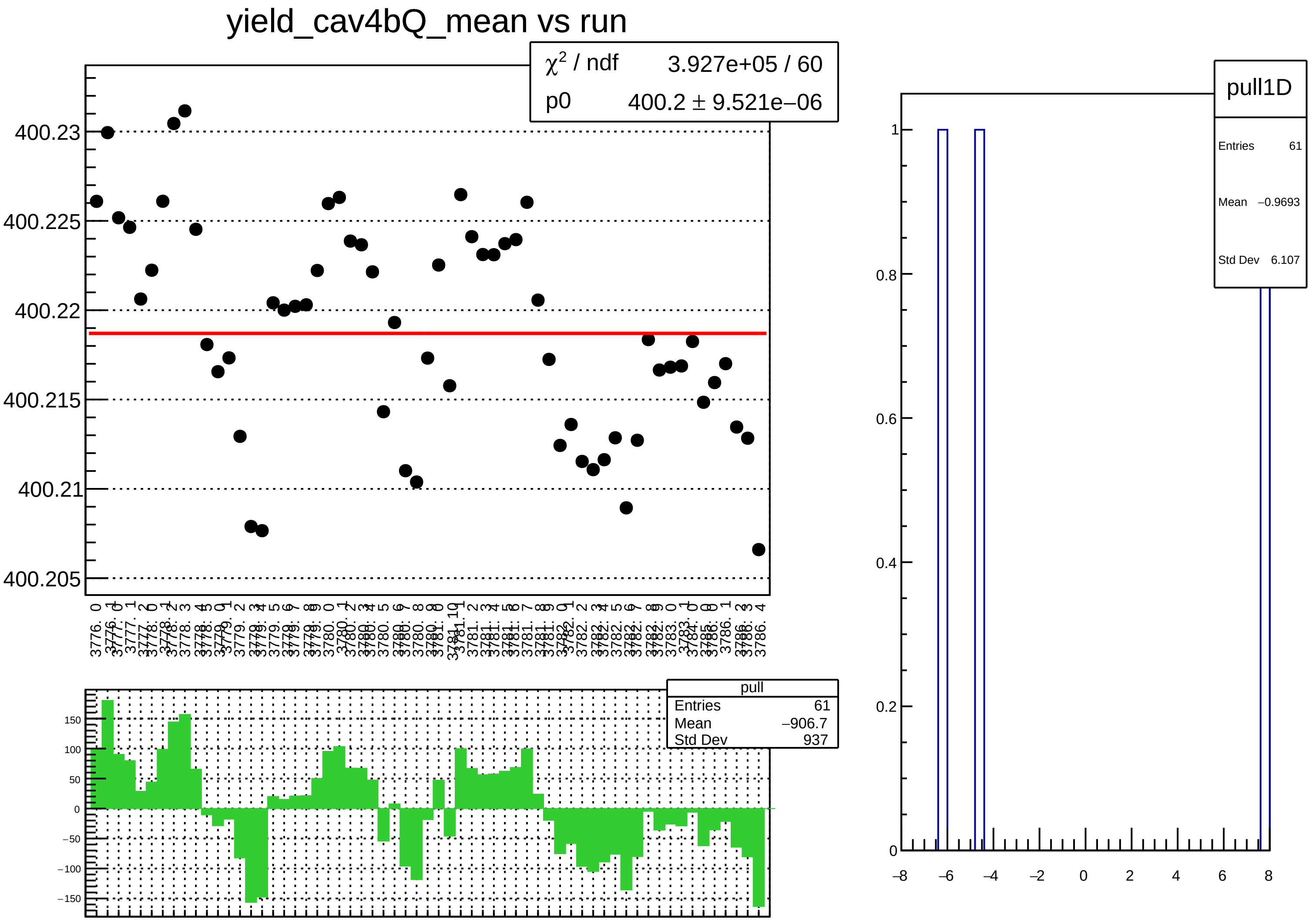
yield_bcm_dg_ds_mean vs run
χ² / ndf 2.428e+05 / 60
p0 69.36 ± 0.0002898
pull
Entries 61
Mean −258.9
Std Dev 285.6

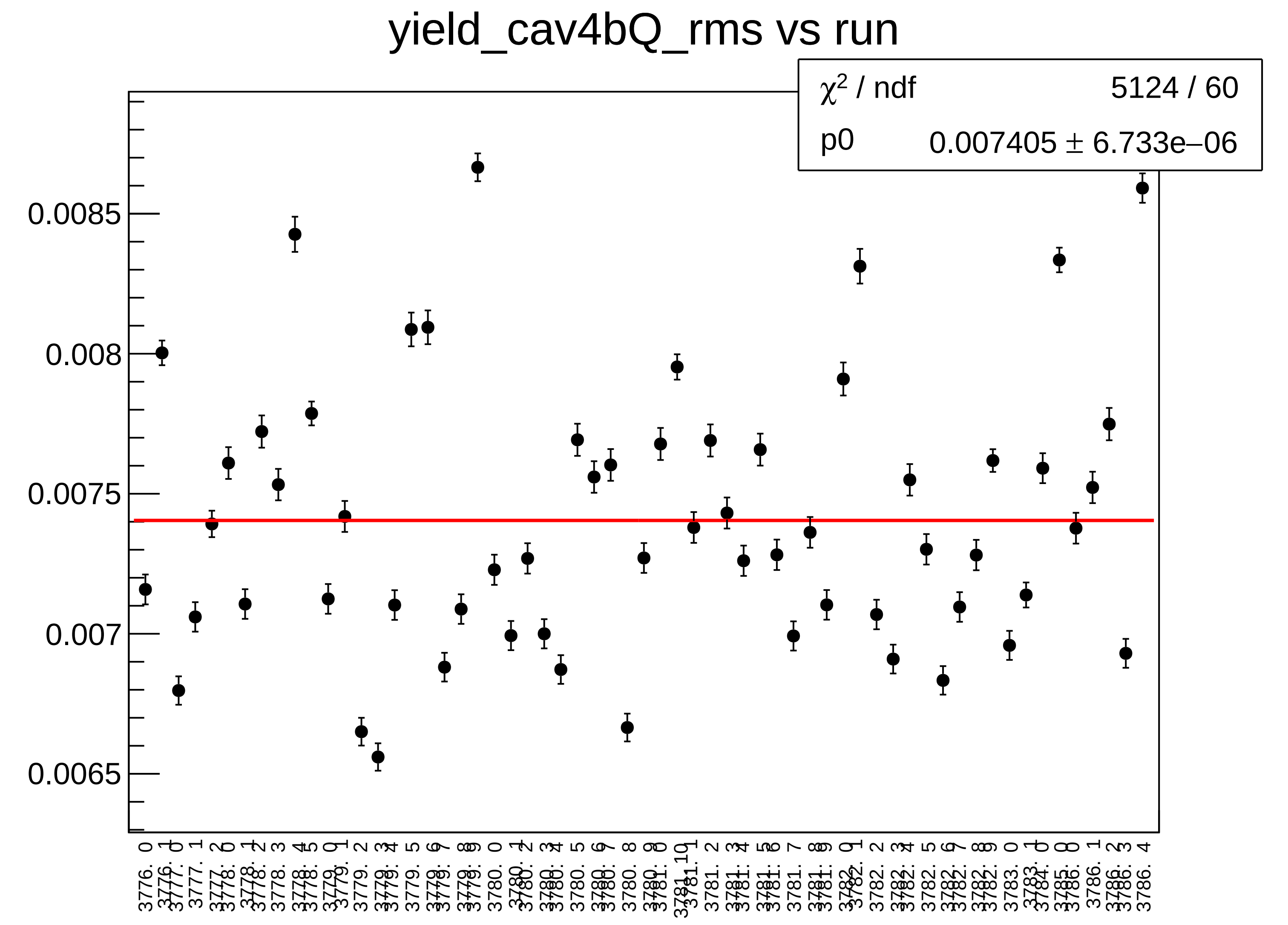


pull1D
Entries 61
Mean −2.459
Std Dev 3.398

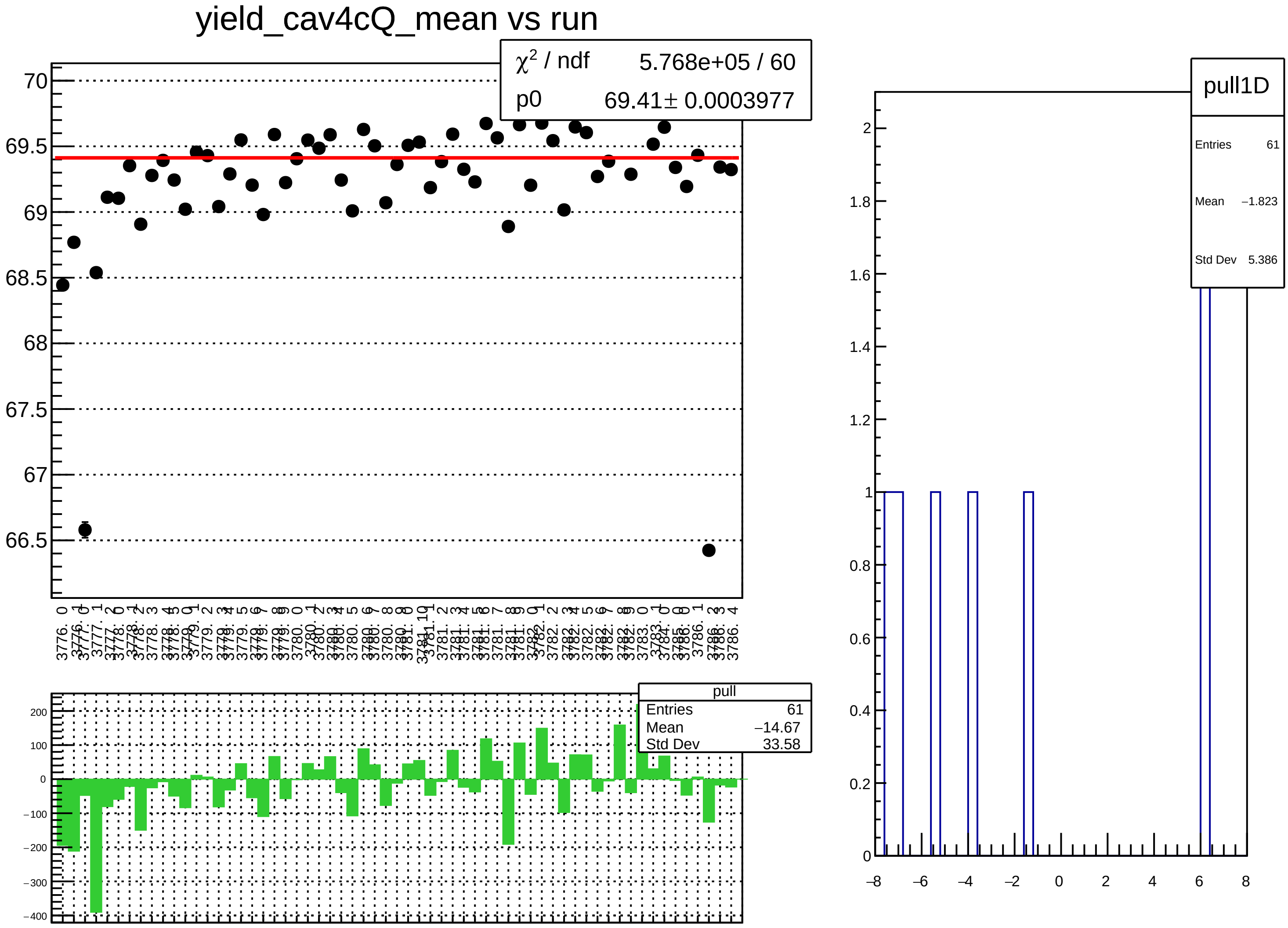


yield_bcm_dg_ds_rms vs run
χ2 / ndf 8.937e+04 / 60
p0 0.2174 ± 0.0002049

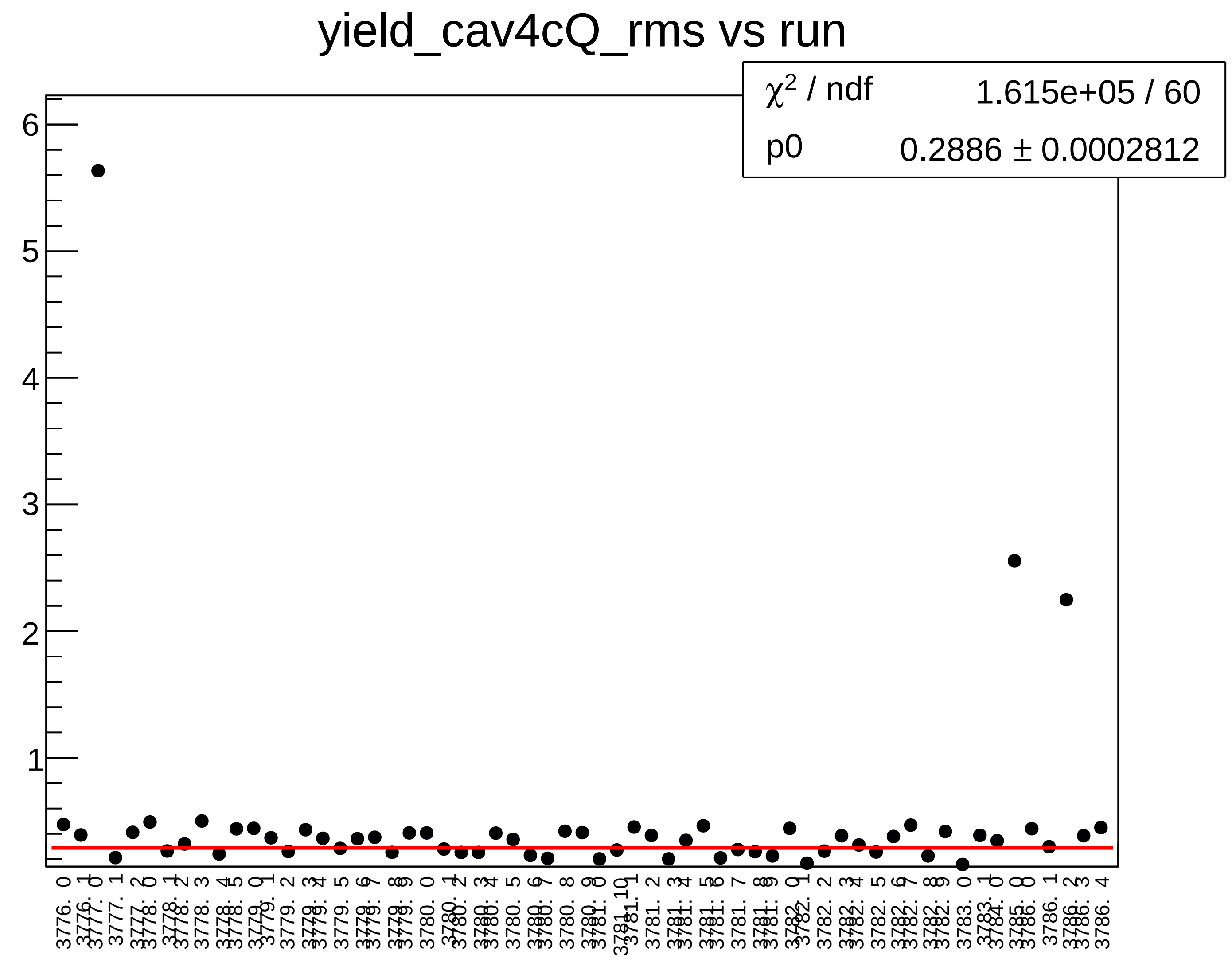

yield_cav4bQ_mean vs run
χ² / ndf 3.927e+05 / 60
p0 400.2 ± 9.521e−06
pull
Entries 61
Mean −906.7
Std Dev 937
pull1D
Entries 61
Mean −0.9693
Std Dev 6.107



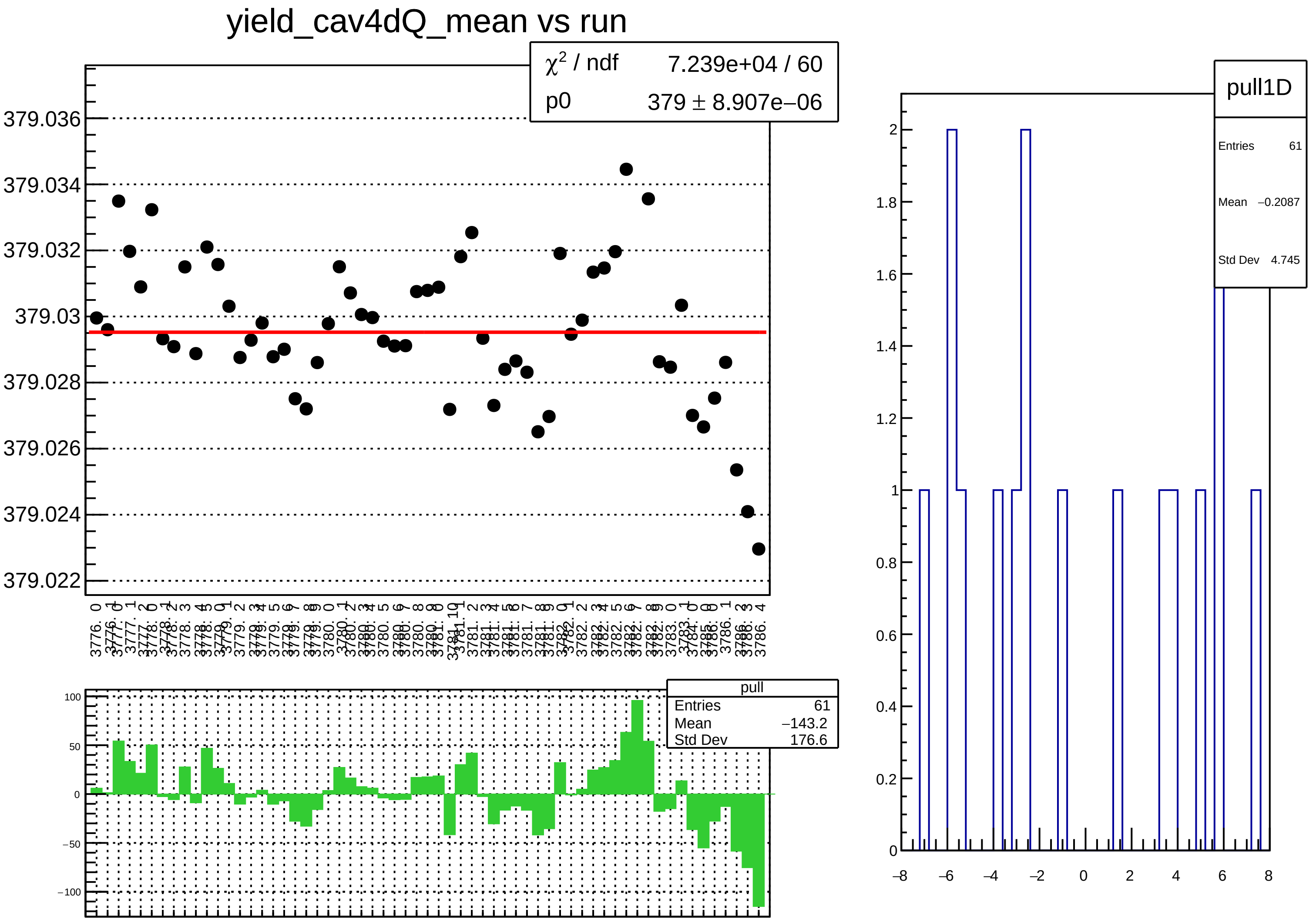
yield_cav4bQ_rms vs run
χ2 / ndf 5124 / 60
p0 0.007405 ± 6.733e−06
0.0085
0.008
0.0075
0.007
0.0065



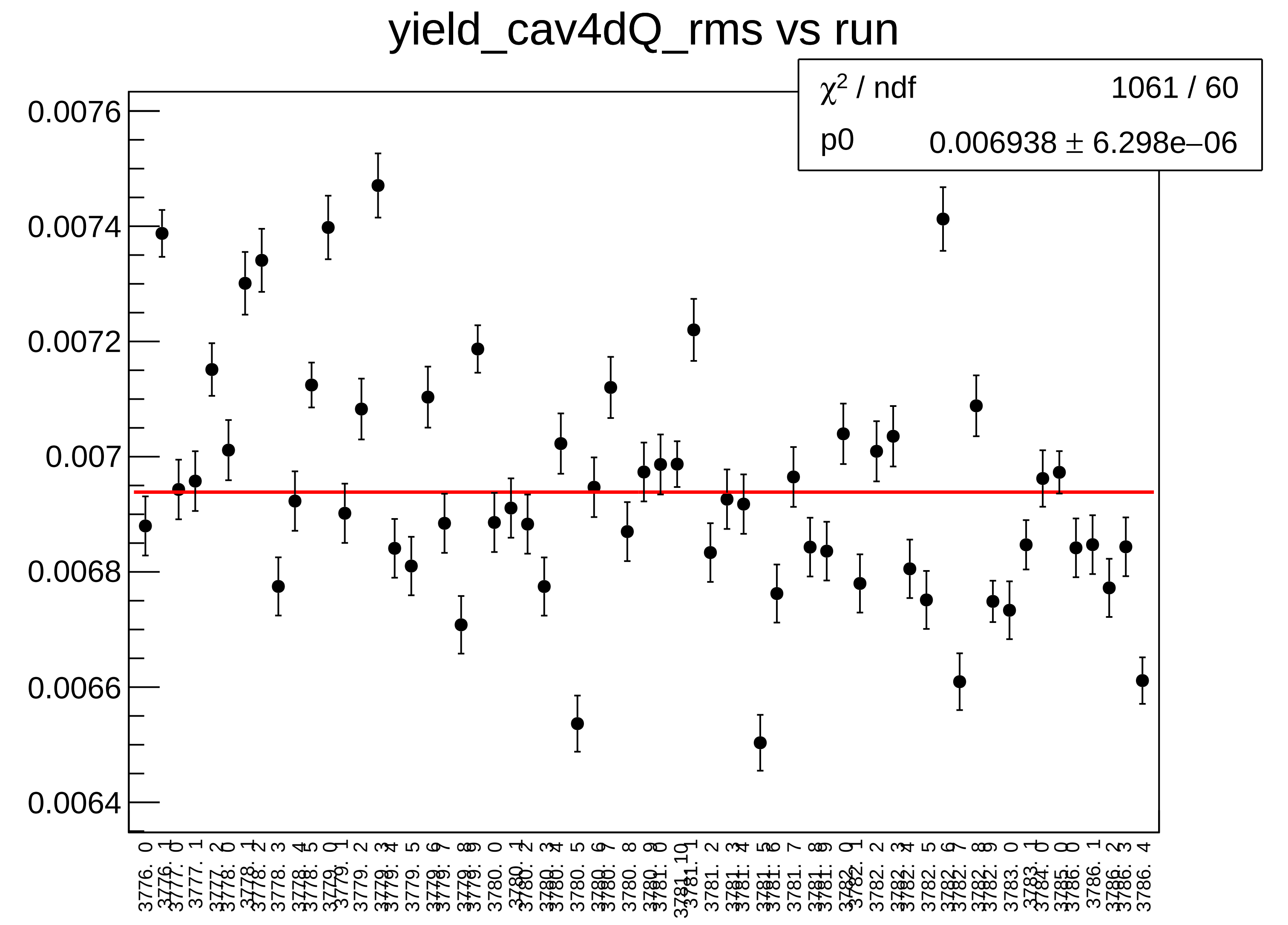
yield_cav4cQ_mean vs run
χ2 / ndf 5.768e+05 / 60
p0 69.41± 0.0003977
pull
Entries 61
Mean −14.67
Std Dev 33.58
pull1D
Entries 61
Mean −1.823
Std Dev 5.386



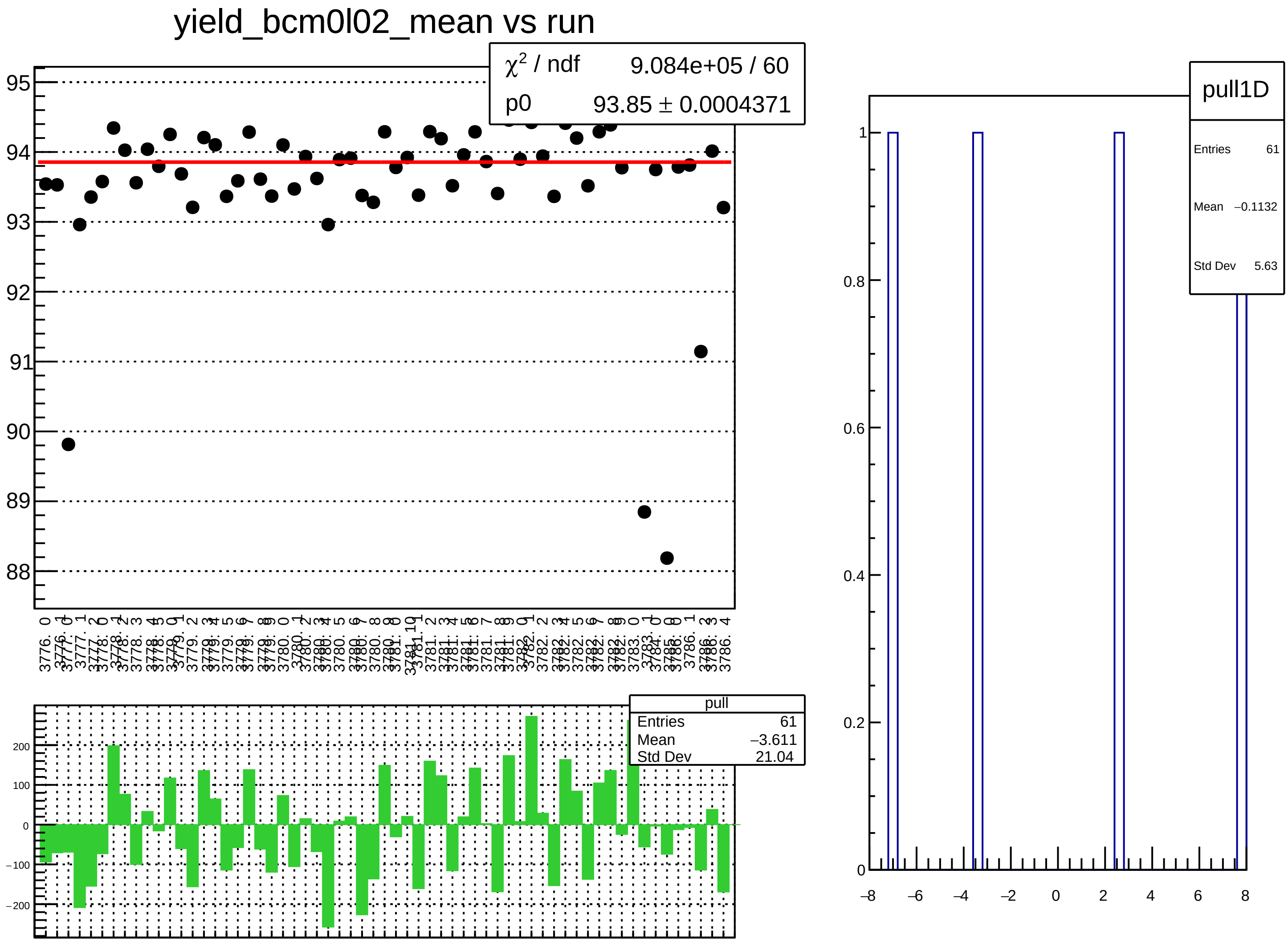
yield_cav4cQ_rms vs run
χ^2 / ndf 1.615e+05 / 60
p0 0.2886 ± 0.0002812



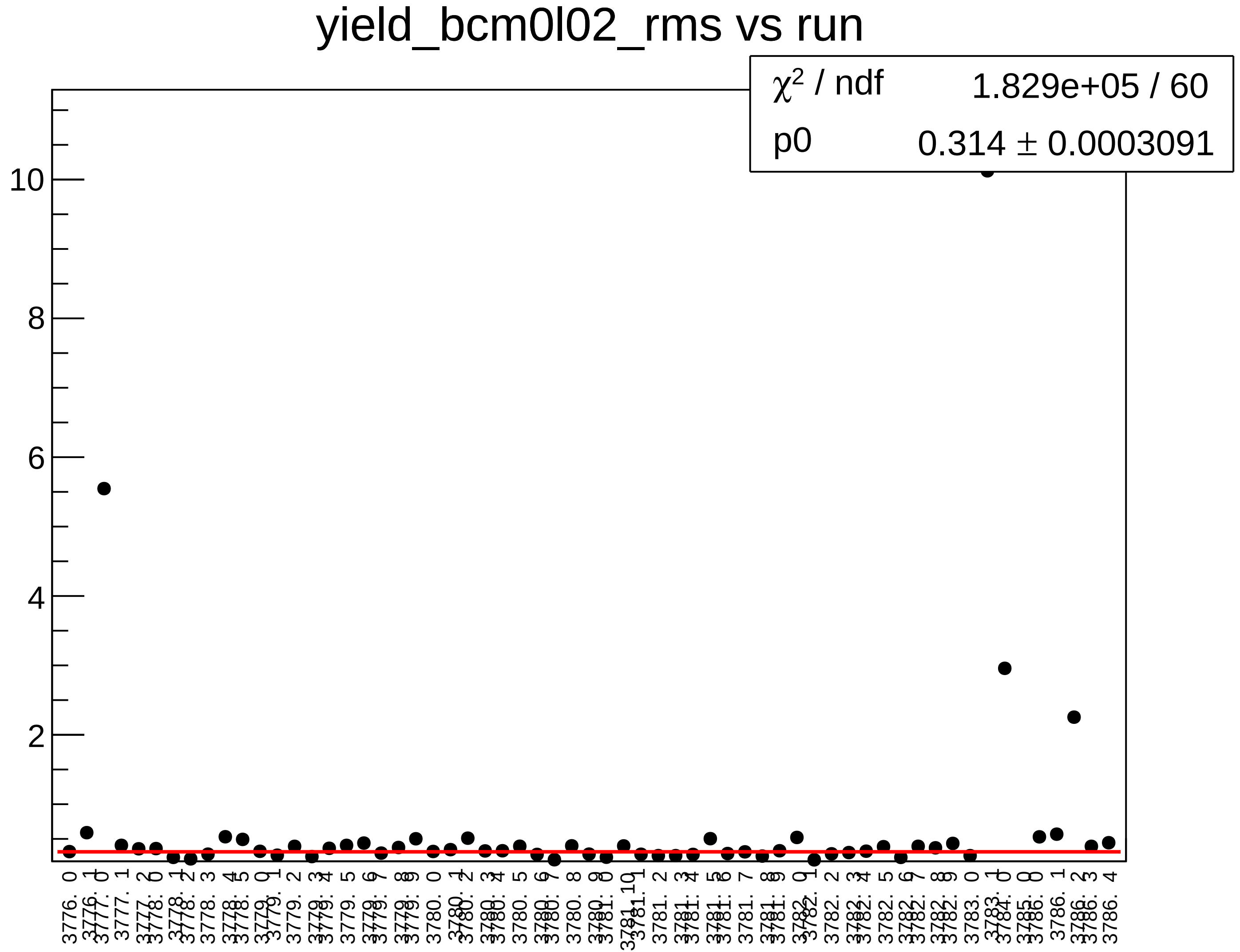
yield_cav4dQ_mean vs run
χ2 / ndf 7.239e+04 / 60
p0 379 ± 8.907e−06
pull
Entries 61
Mean −143.2
Std Dev 176.6
pull1D
Entries 61
Mean −0.2087
Std Dev 4.745

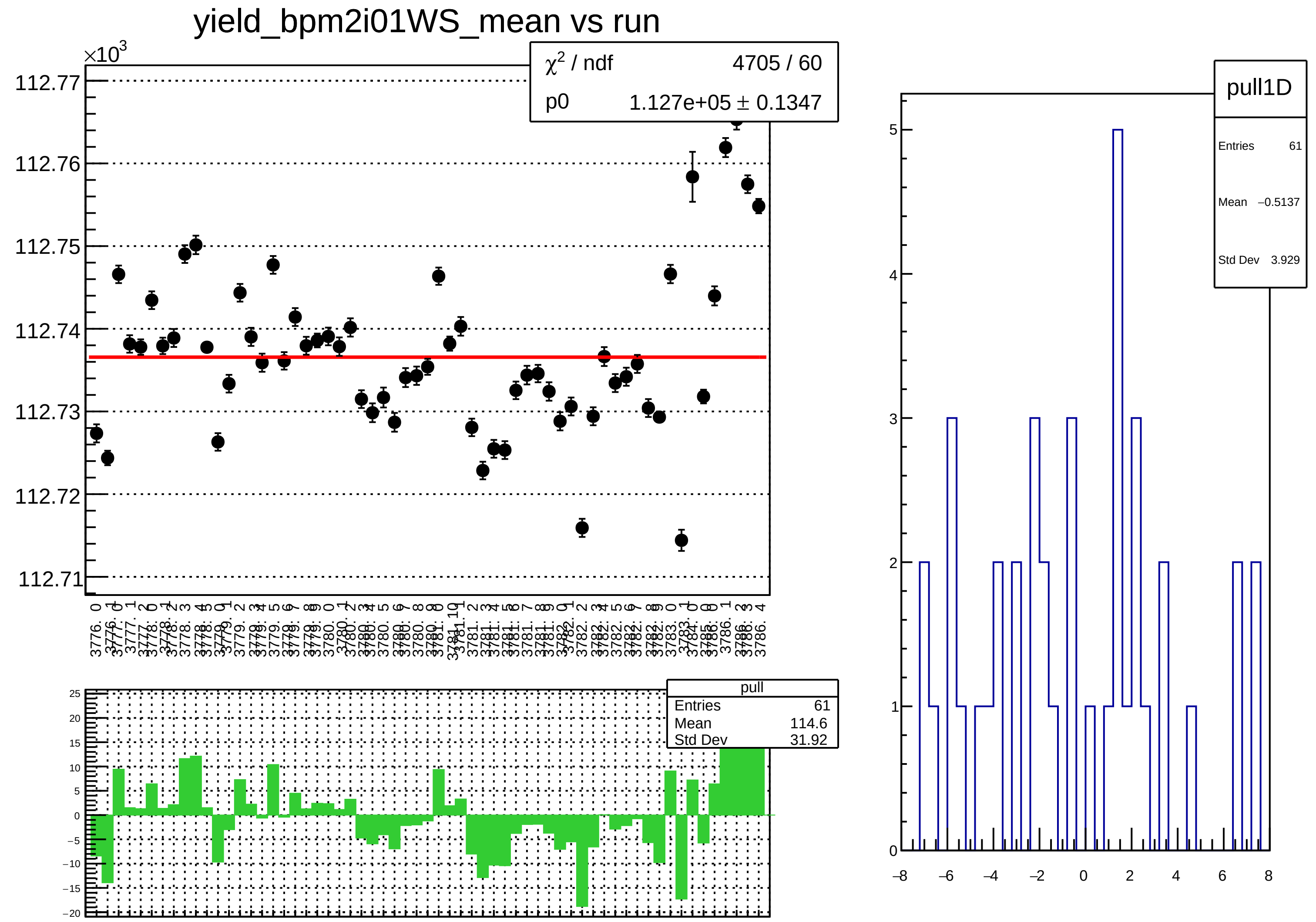


yield_cav4dQ_rms vs run
χ^2 / ndf 1061 / 60
p0 0.006938 ± 6.298e−06
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064

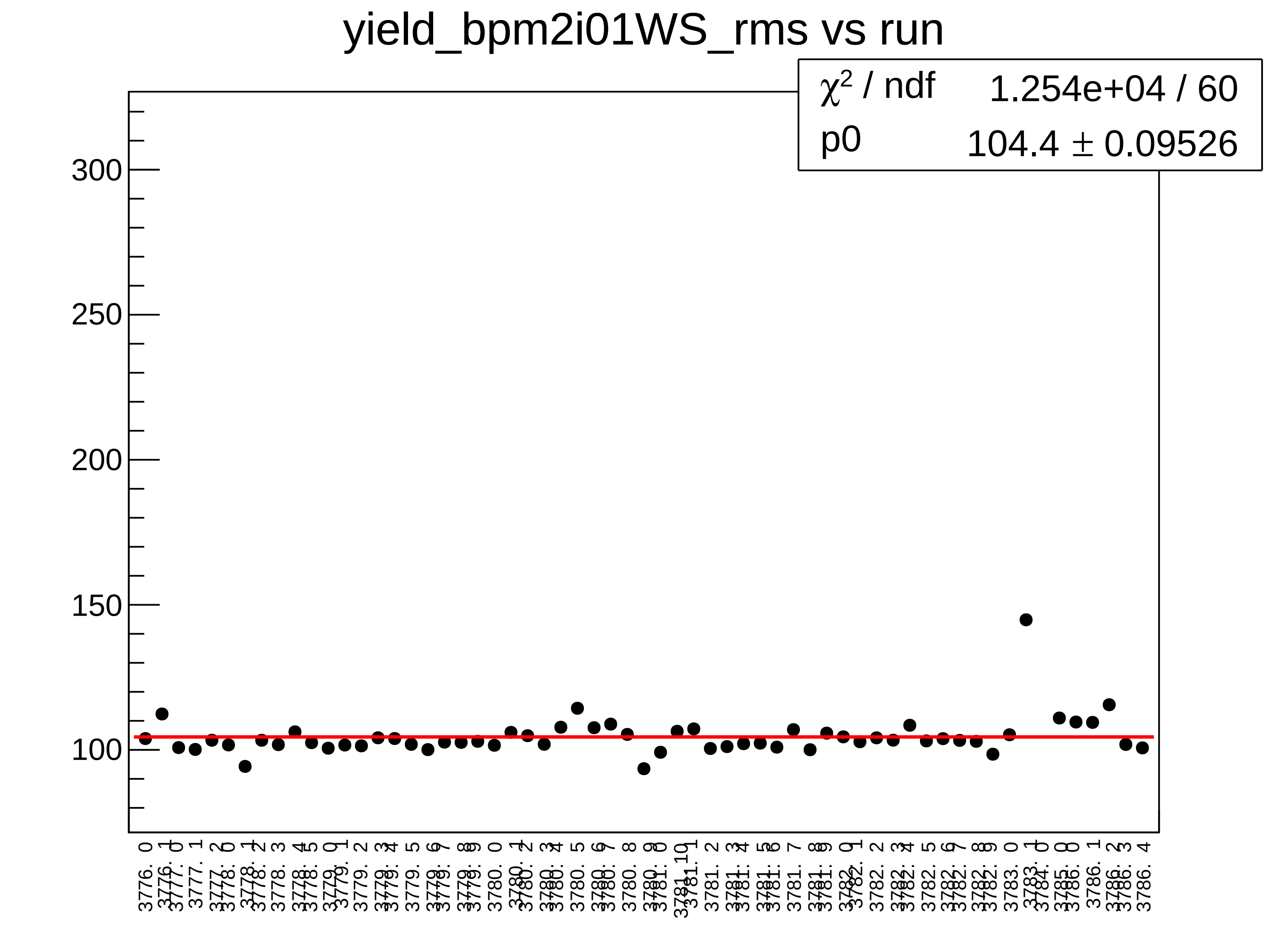


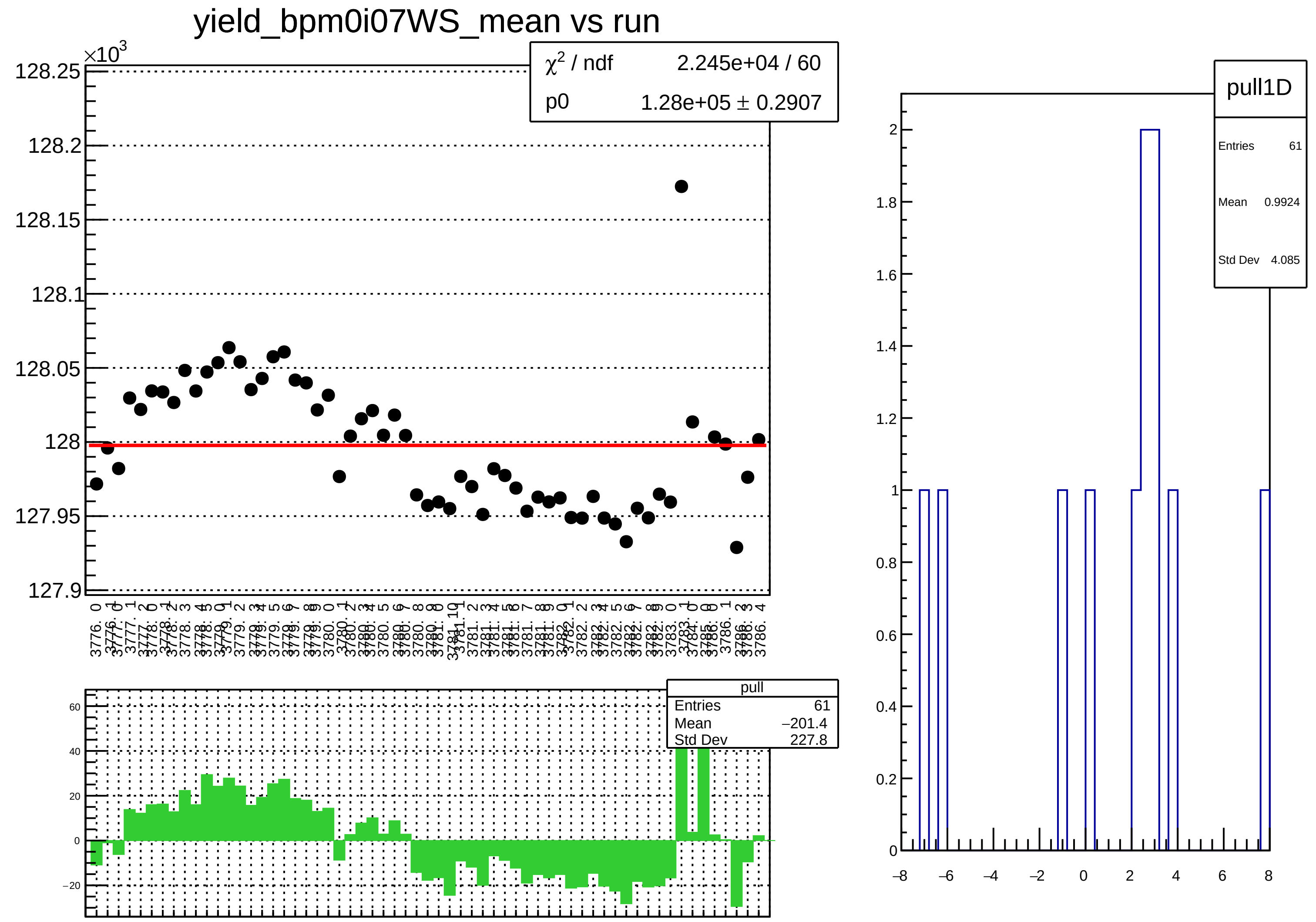
yield_bcm0l02_mean vs run
χ^2 / ndf 9.084e+05 / 60
p0 93.85 ± 0.0004371
pull
Entries 61
Mean −3.611
Std Dev 21.04
pull1D
Entries 61
Mean −0.1132
Std Dev 5.63


yield_bcm0l02_rms vs run
χ^2 / ndf 1.829e+05 / 60
p0 0.314 ± 0.0003091
10
8
6
4
2

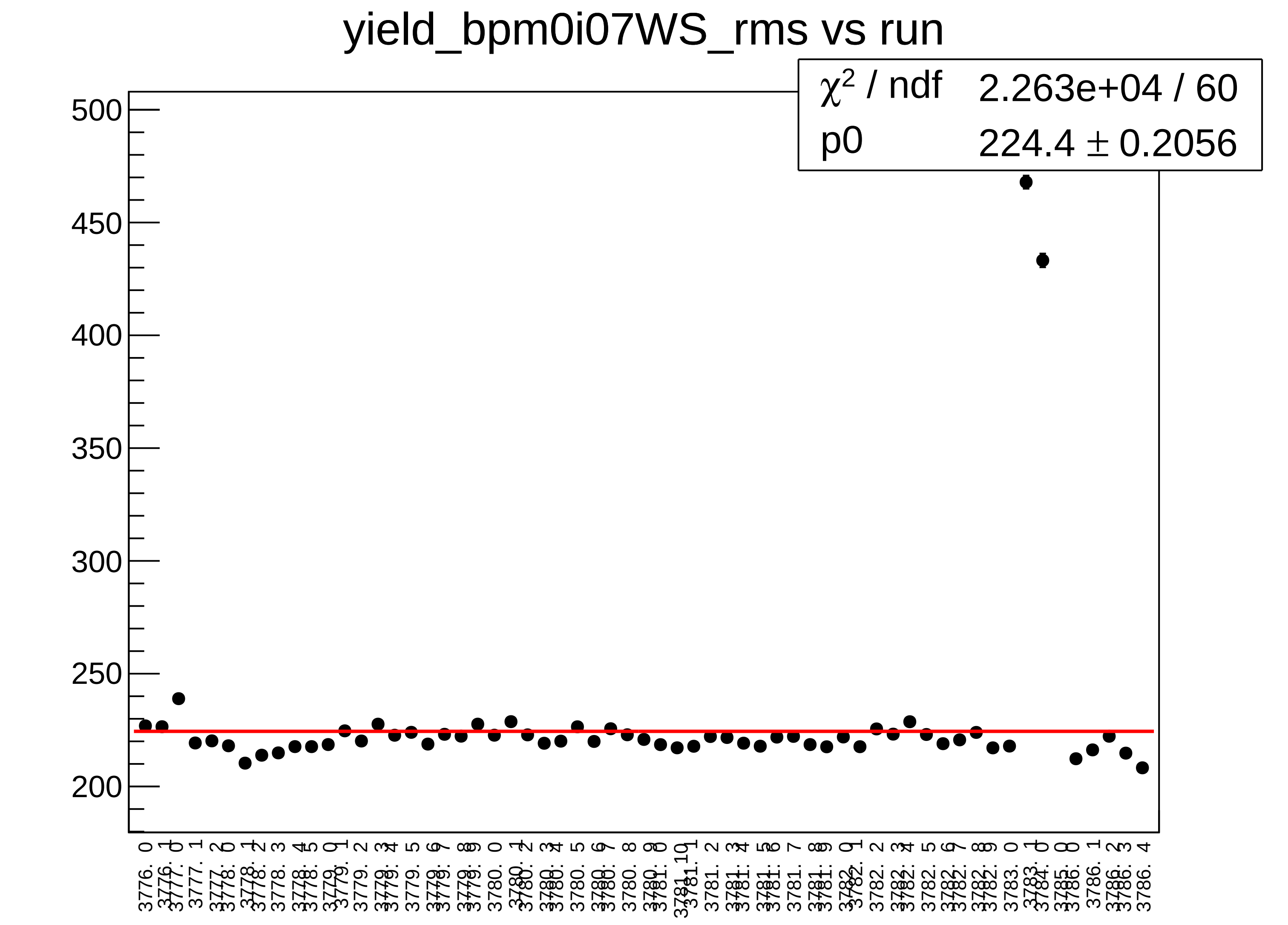


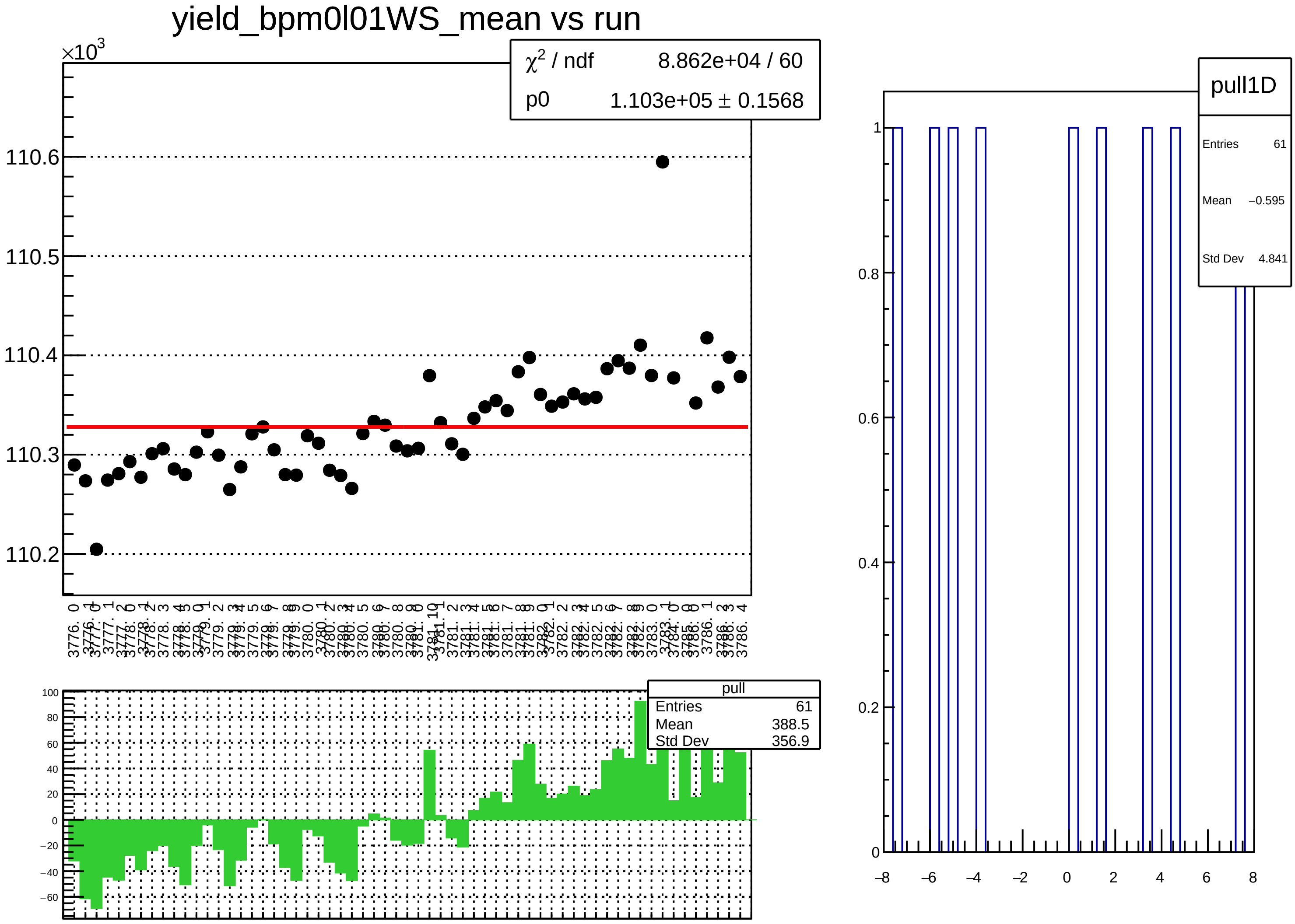
yield_bpm2i01WS_mean vs run
χ2 / ndf 4705 / 60
p0 1.127e+05 ± 0.1347
pull
Entries 61
Mean 114.6
Std Dev 31.92
pull1D
Entries 61
Mean −0.5137
Std Dev 3.929


yield_bpm2i01WS_rms vs run
χ^2 / ndf 1.254e+04 / 60
p0 104.4 ± 0.09526
300
250
200
150
100

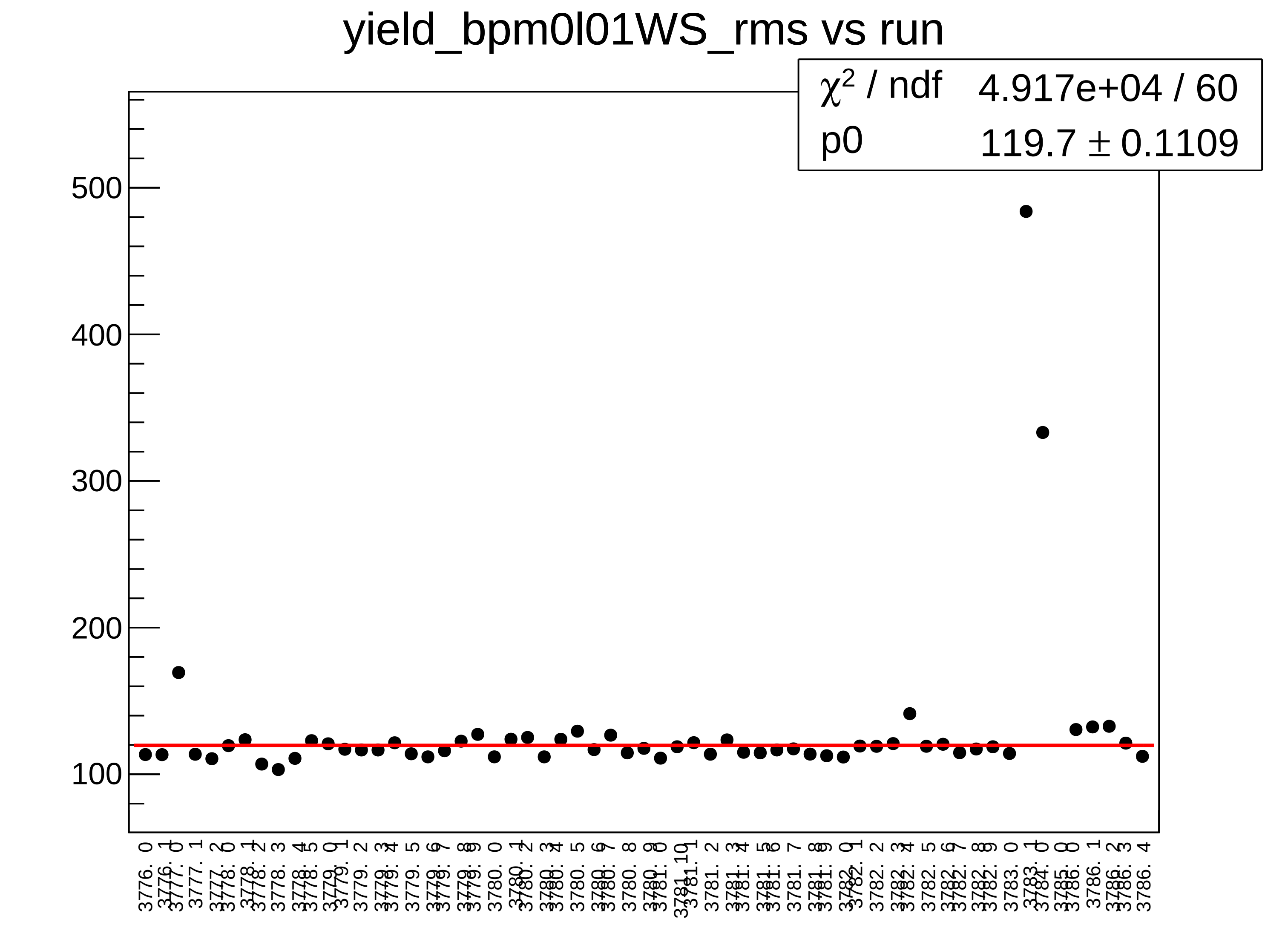


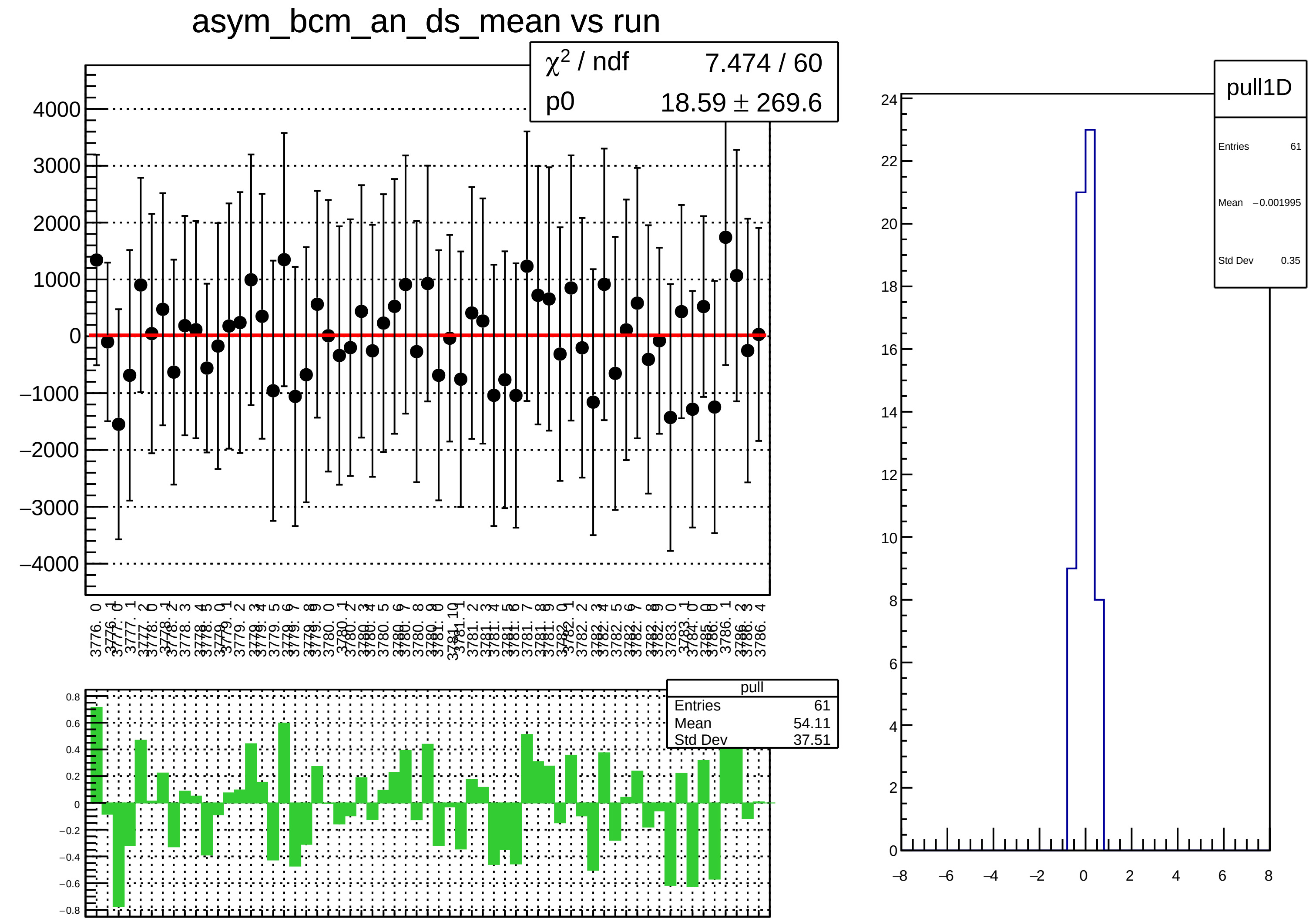
yield_bpm0i07WS_mean vs run
χ^2 / ndf 2.245e+04 / 60
p0 1.28e+05 ± 0.2907
pull
Entries 61
Mean −201.4
Std Dev 227.8
pull1D
Entries 61
Mean 0.9924
Std Dev 4.085


yield_bpm0i07WS_rms vs run
χ2 / ndf 2.263e+04 / 60
p0 224.4 ± 0.2056
500
450
400
350
300
250
200

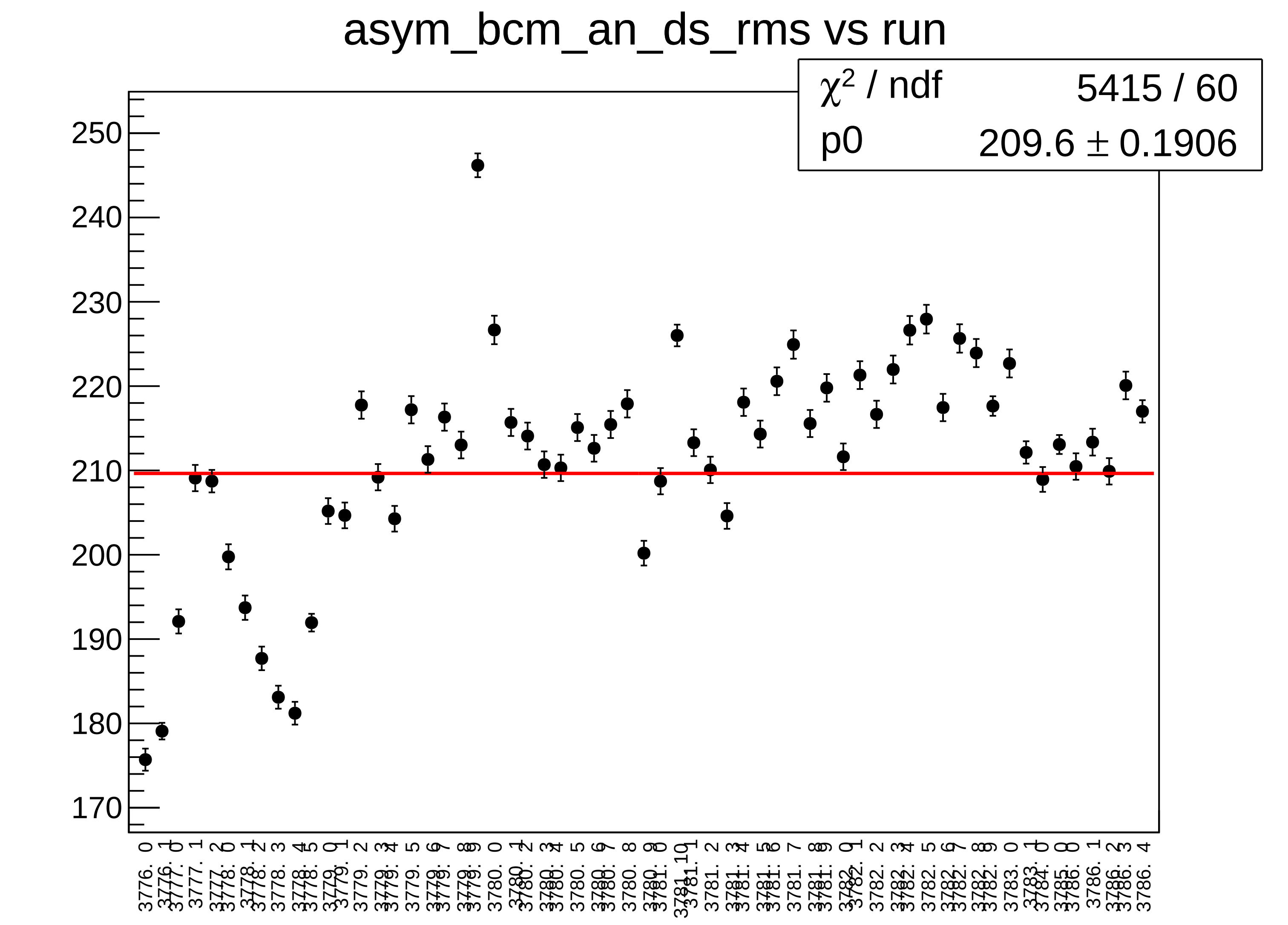


yield_bpm0l01WS_mean vs run
×10^3
χ2 / ndf 8.862e+04 / 60
p0 1.103e+05 ± 0.1568
110.6
110.5
110.4
110.3
110.2
pull
Entries 61
Mean 388.5
Std Dev 356.9
pull1D
Entries 61
Mean −0.595
Std Dev 4.841

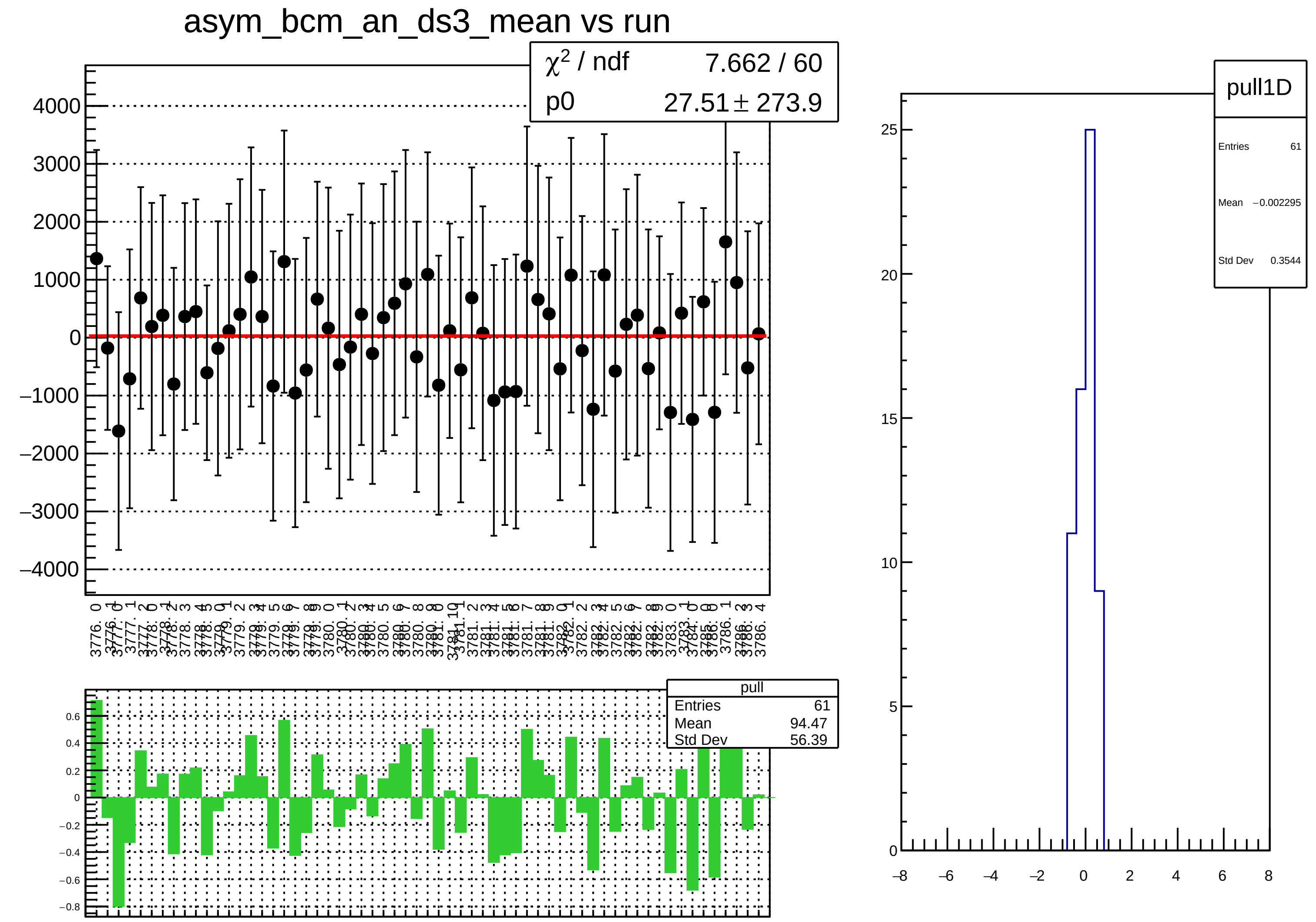

yield_bpm0l01WS_rms vs run
χ^2 / ndf 4.917e+04 / 60
p0 119.7 ± 0.1109
500
400
300
200
100

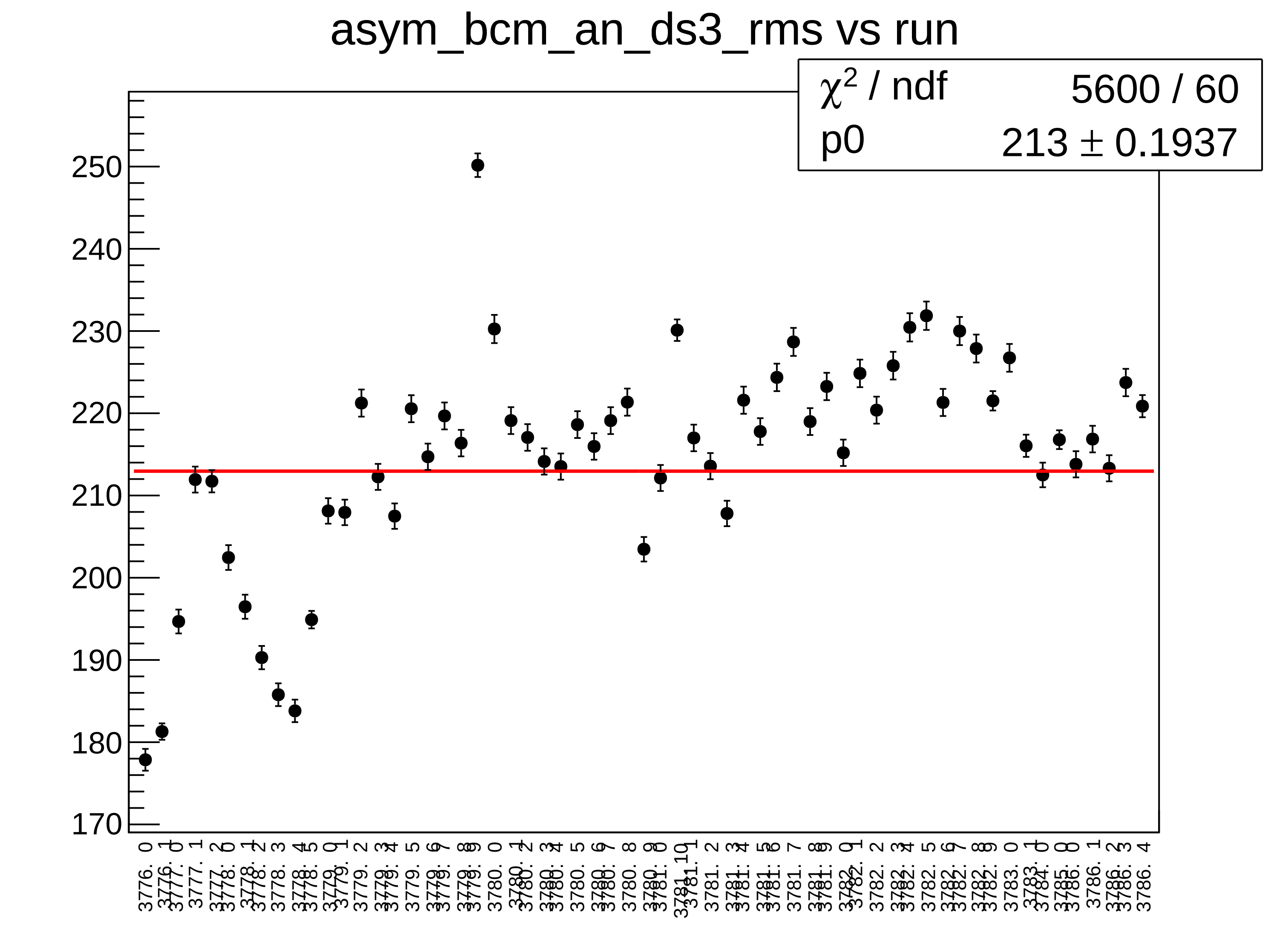


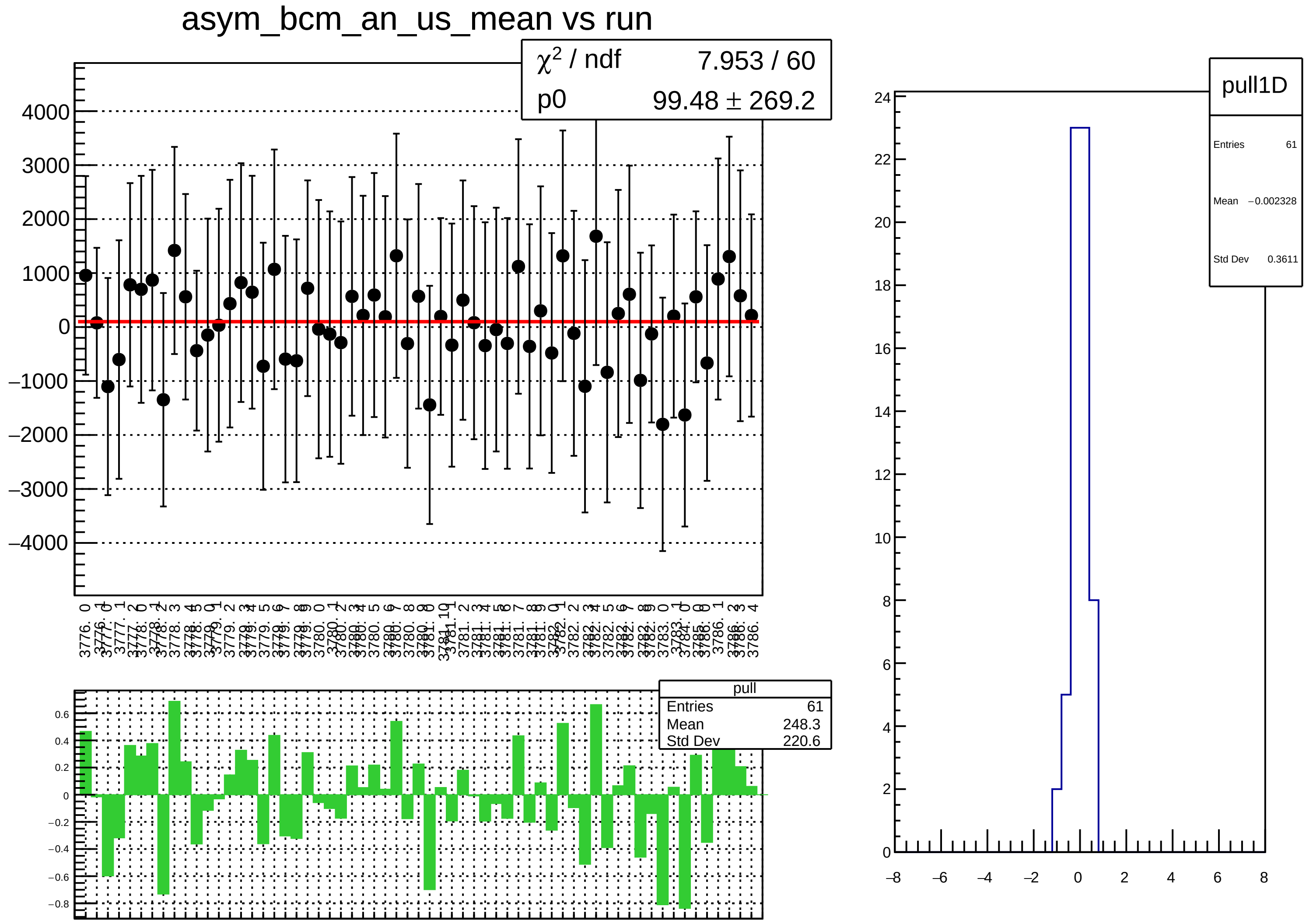
asym_bcm_an_ds_mean vs run
χ^2 / ndf 7.474 / 60
p0 18.59 ± 269.6
pull
Entries 61
Mean 54.11
Std Dev 37.51
pull1D
Entries 61
Mean −0.001995
Std Dev 0.35



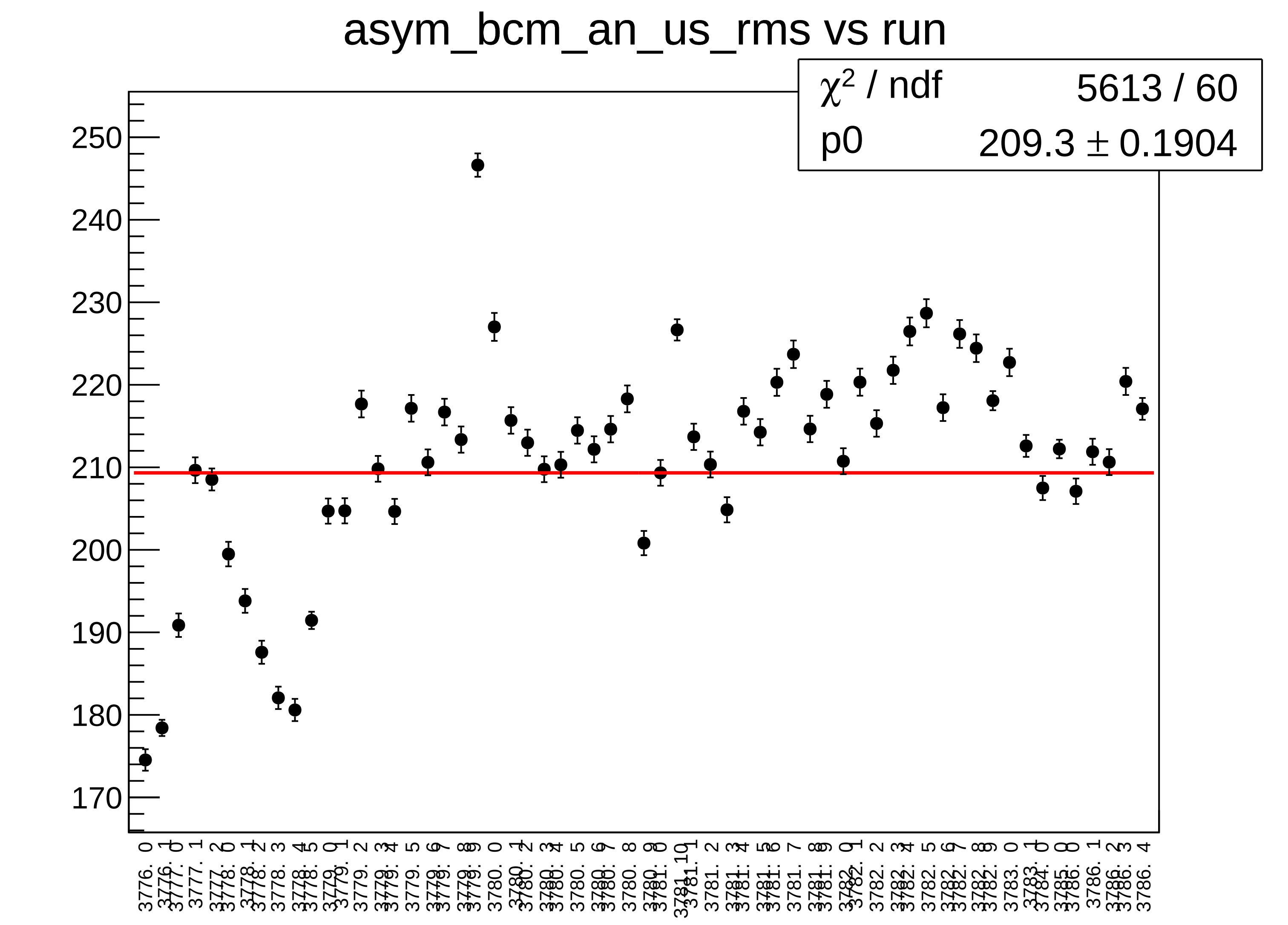
asym_bcm_an_ds_rms vs run
χ^2 / ndf 5415 / 60
p0 209.6 ± 0.1906
250
240
230
220
210
200
190
180
170

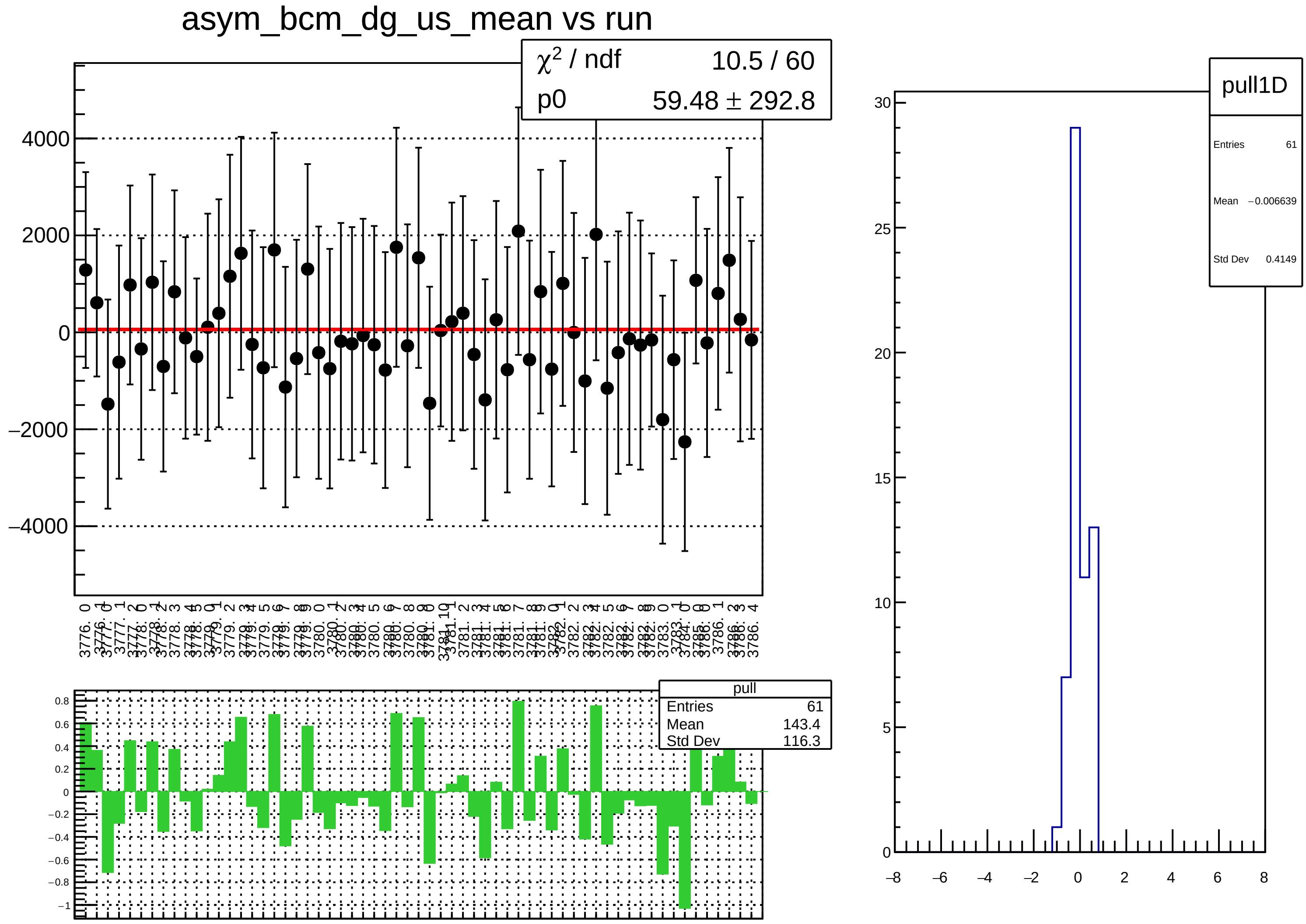

asym_bcm_an_ds3_mean vs run
χ2 / ndf 7.662 / 60
p0 27.51 ± 273.9
pull
Entries 61
Mean 94.47
Std Dev 56.39
pull1D
Entries 61
Mean −0.002295
Std Dev 0.3544


asym_bcm_an_ds3_rms vs run
χ^2 / ndf 5600 / 60
p0 213 ± 0.1937
170
180
190
200
210
220
230
240
250

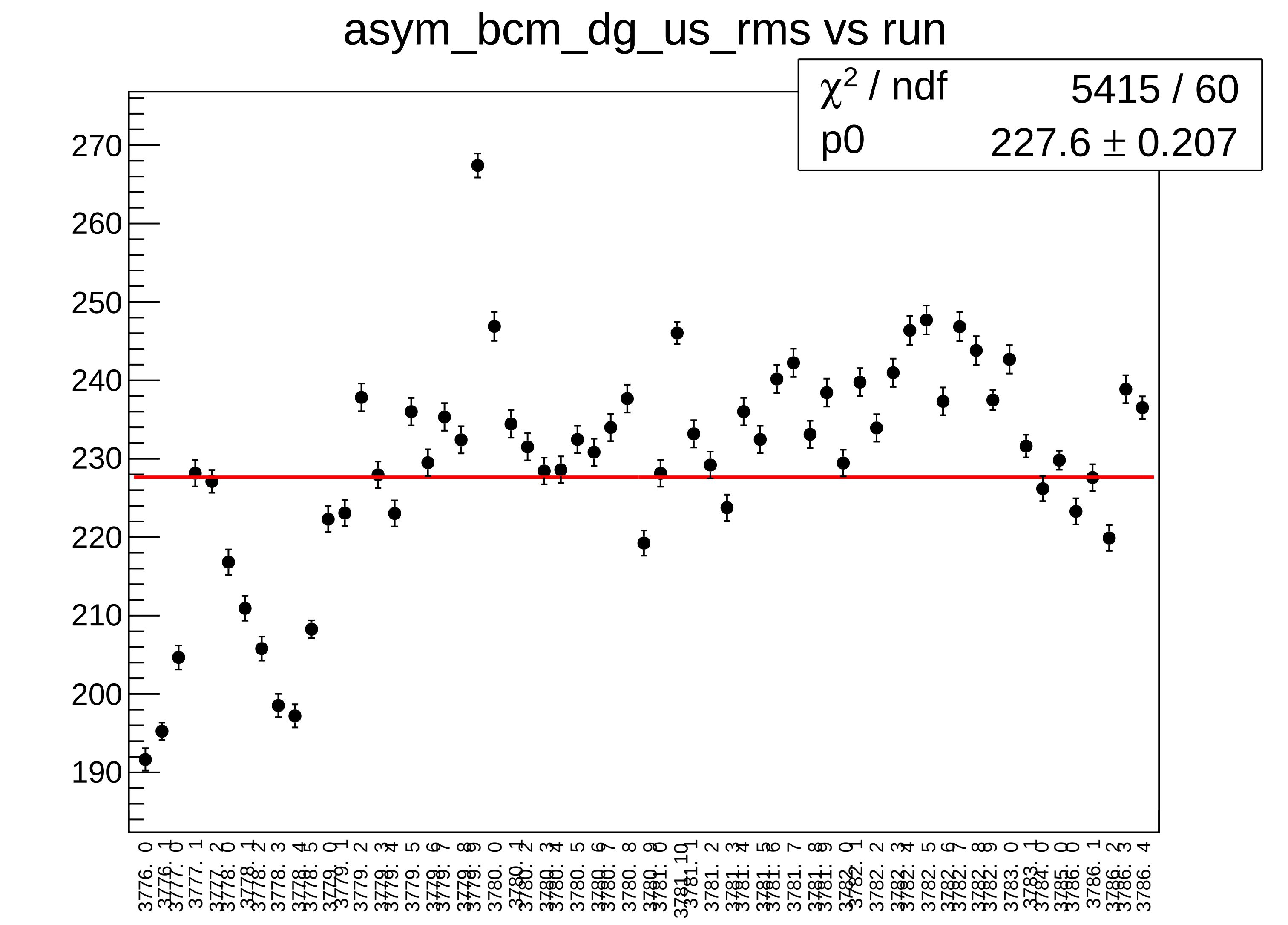


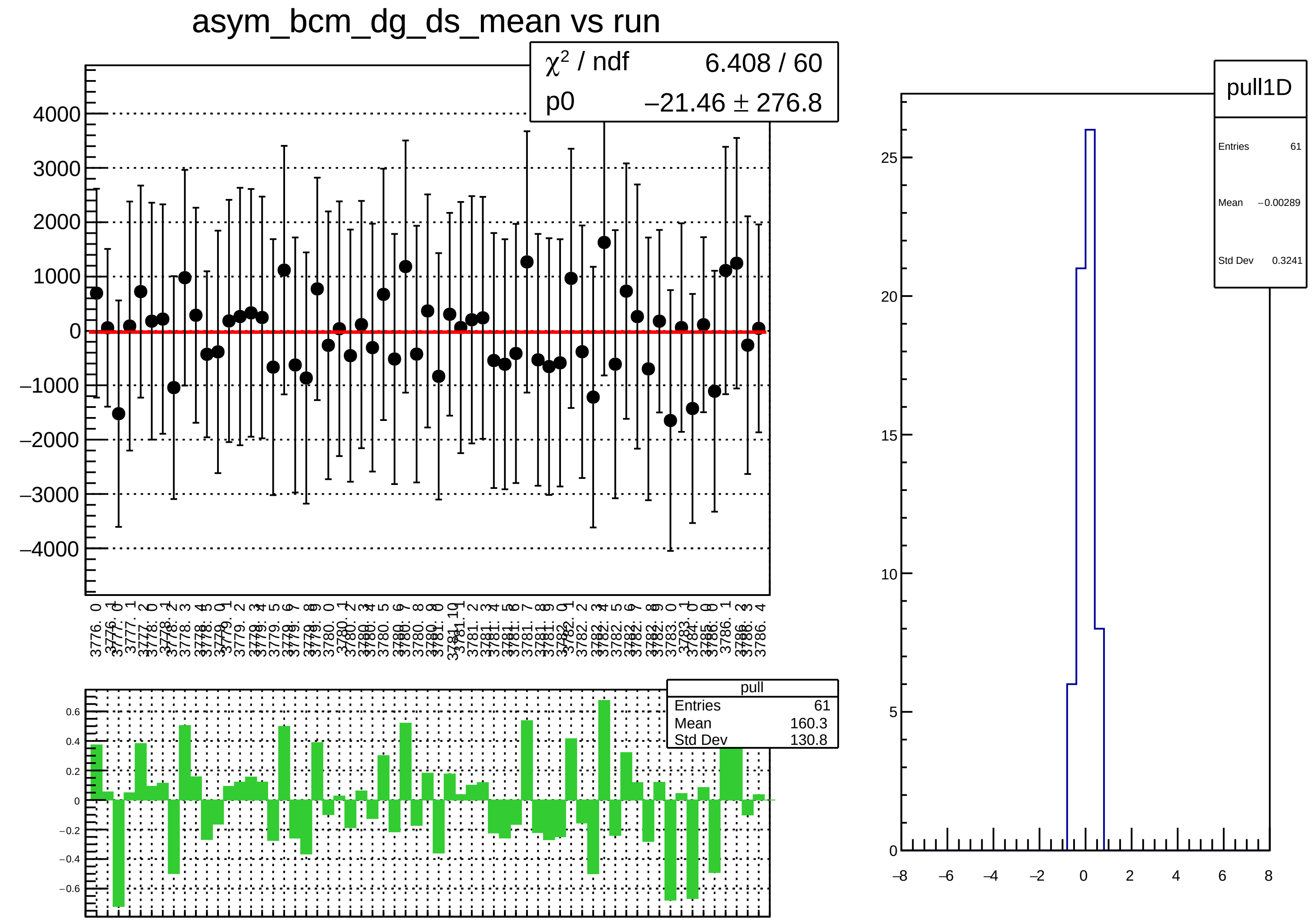
asym_bcm_an_us_mean vs run
χ^2 / ndf 7.953 / 60
p0 99.48 ± 269.2
pull
Entries 61
Mean 248.3
Std Dev 220.6
pull1D
Entries 61
Mean −0.002328
Std Dev 0.3611


asym_bcm_an_us_rms vs run
χ^2 / ndf 5613 / 60
p0 209.3 ± 0.1904

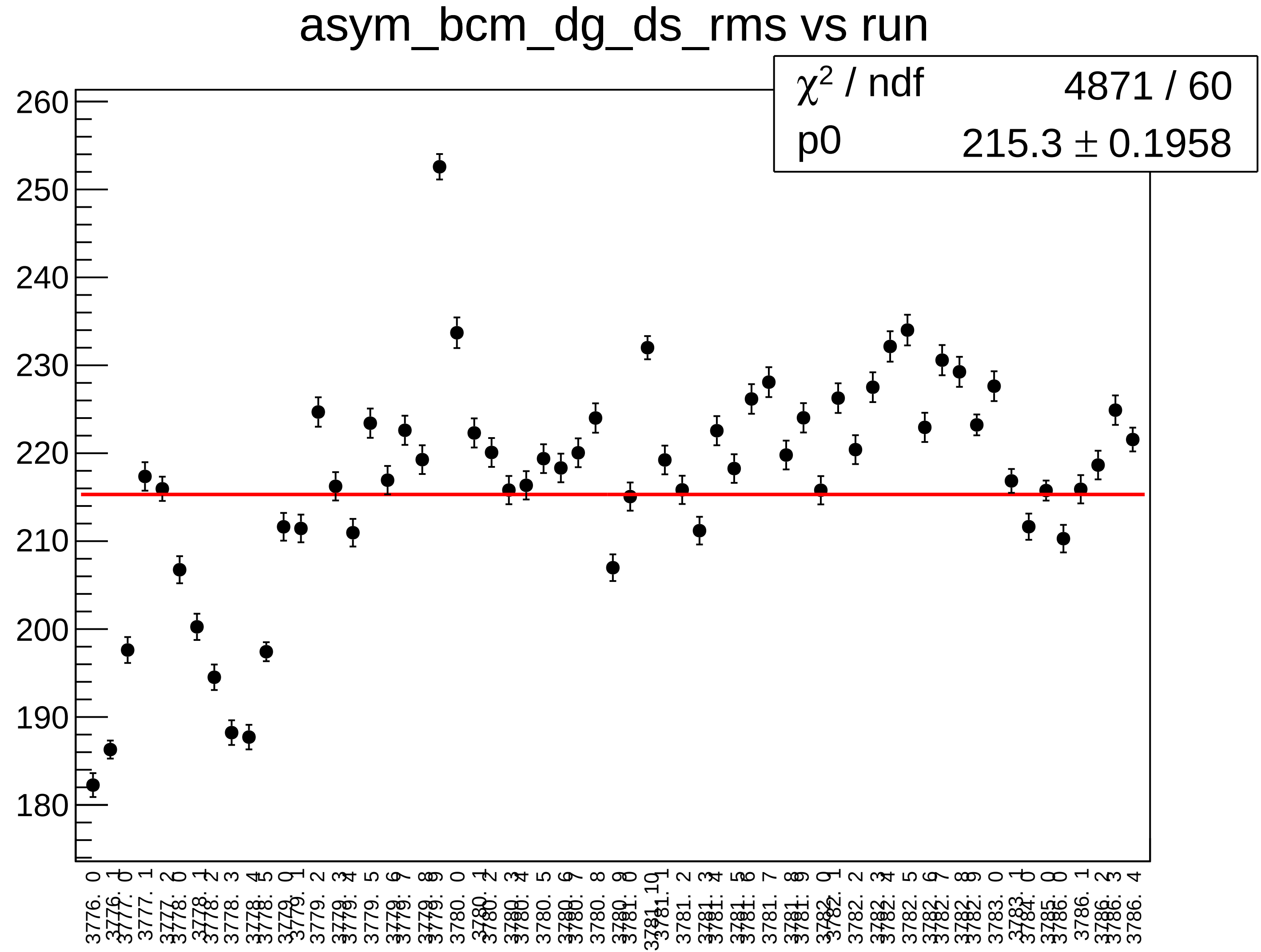


asym_bcm_dg_us_mean vs run
χ^2 / ndf 10.5 / 60
p0 59.48 ± 292.8
pull1D
Entries 61
Mean −0.006639
Std Dev 0.4149
pull
Entries 61
Mean 143.4
Std Dev 116.3

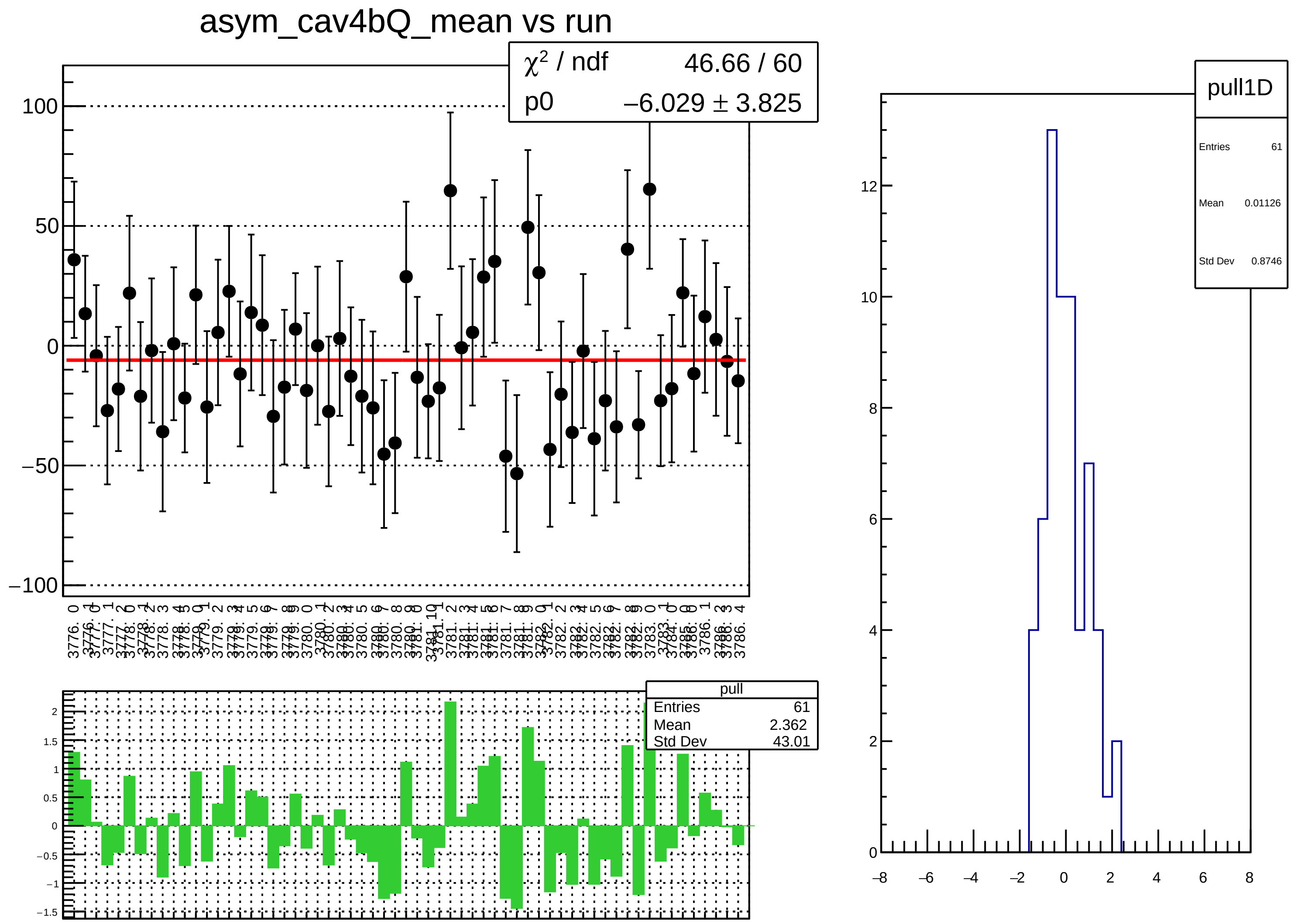

asym_bcm_dg_us_rms vs run
χ2 / ndf 5415 / 60
p0 227.6 ± 0.207
270
260
250
240
230
220
210
200
190



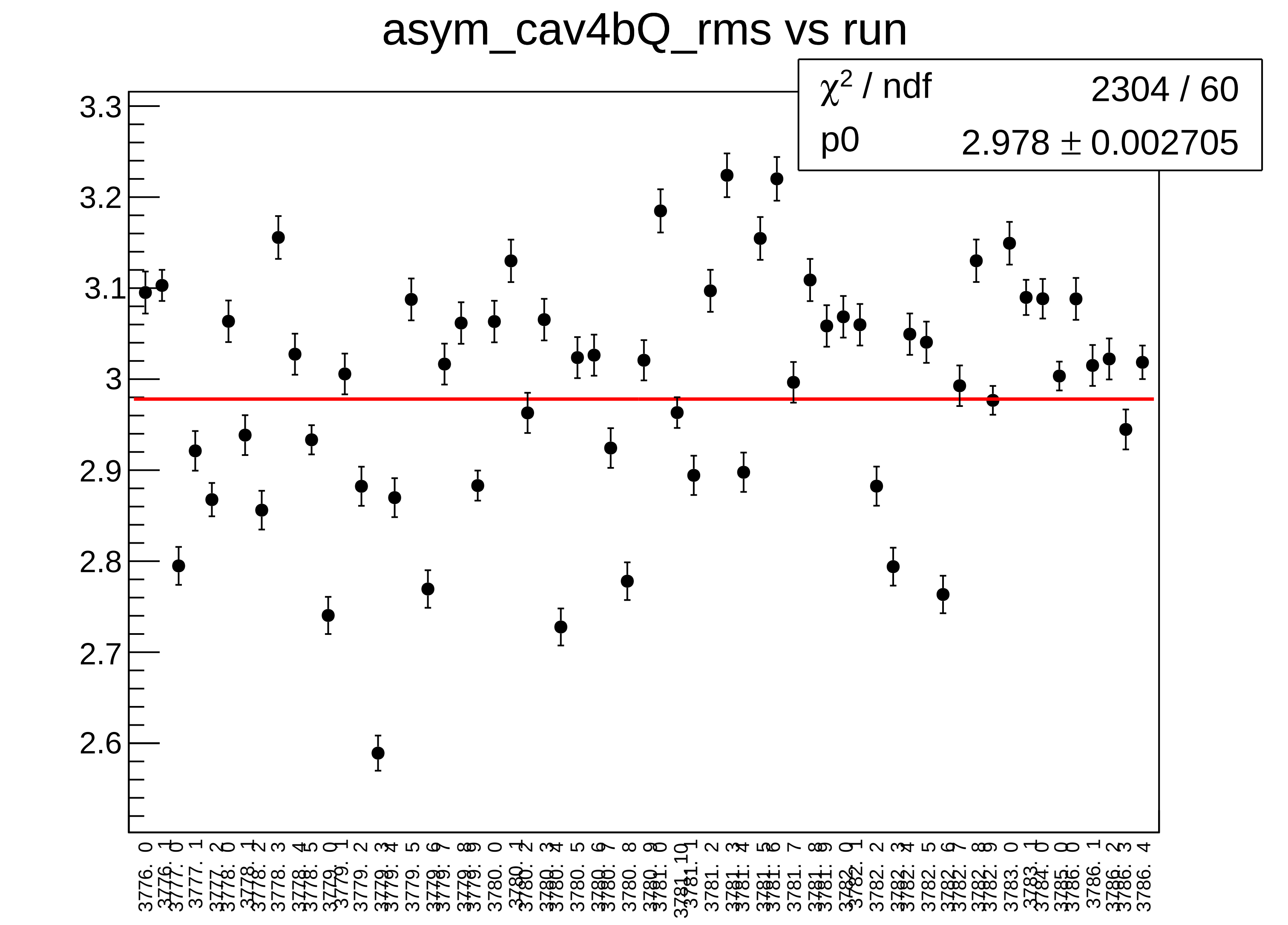
asym_bcm_dg_ds_mean vs run
χ^2 / ndf 6.408 / 60
p0 −21.46 ± 276.8
pull
Entries 61
Mean 160.3
Std Dev 130.8
pull1D
Entries 61
Mean −0.00289
Std Dev 0.3241

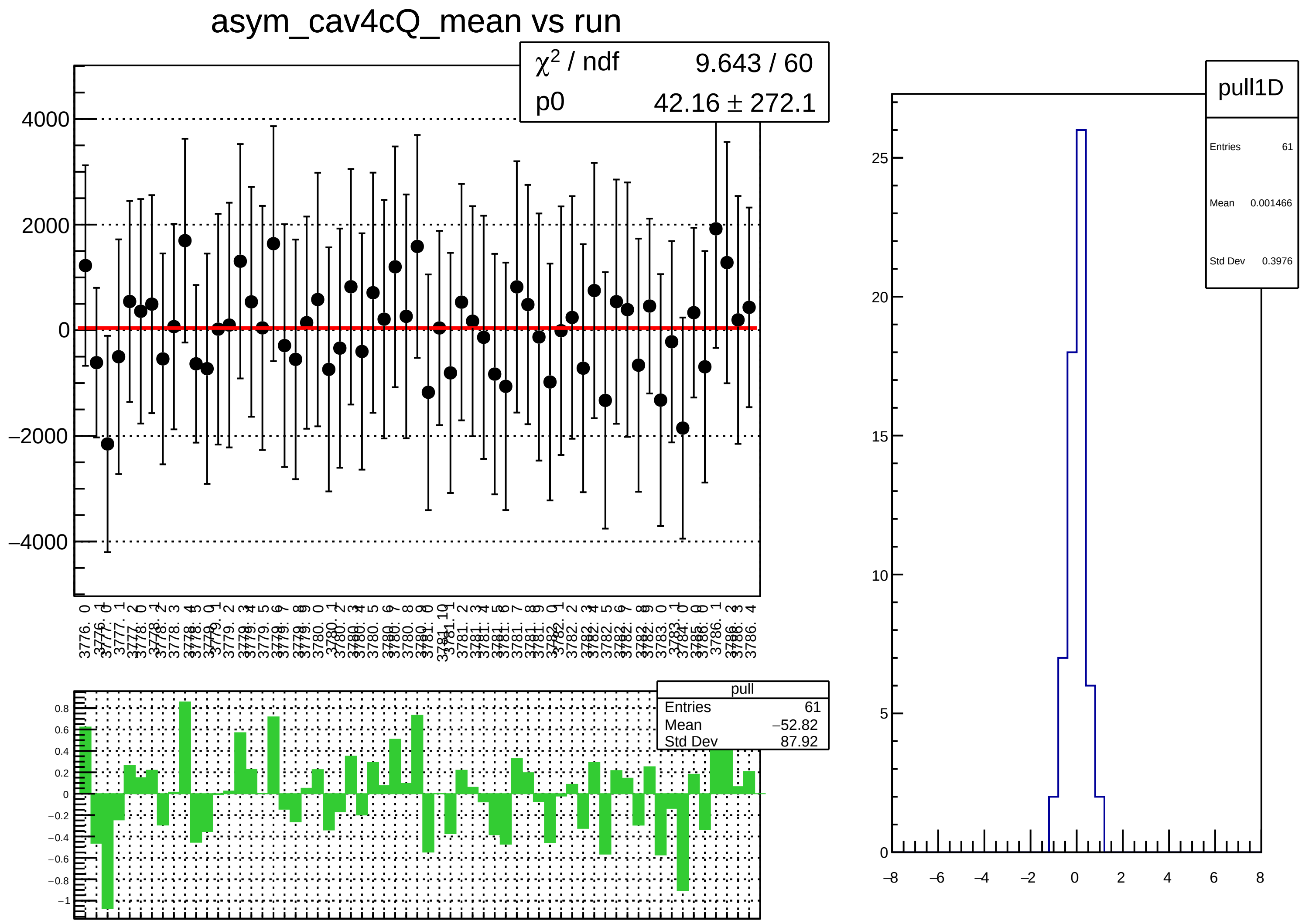


asym_bcm_dg_ds_rms vs run
χ^2 / ndf 4871 / 60
p0 215.3 ± 0.1958
260
250
240
230
220
210
200
190
180

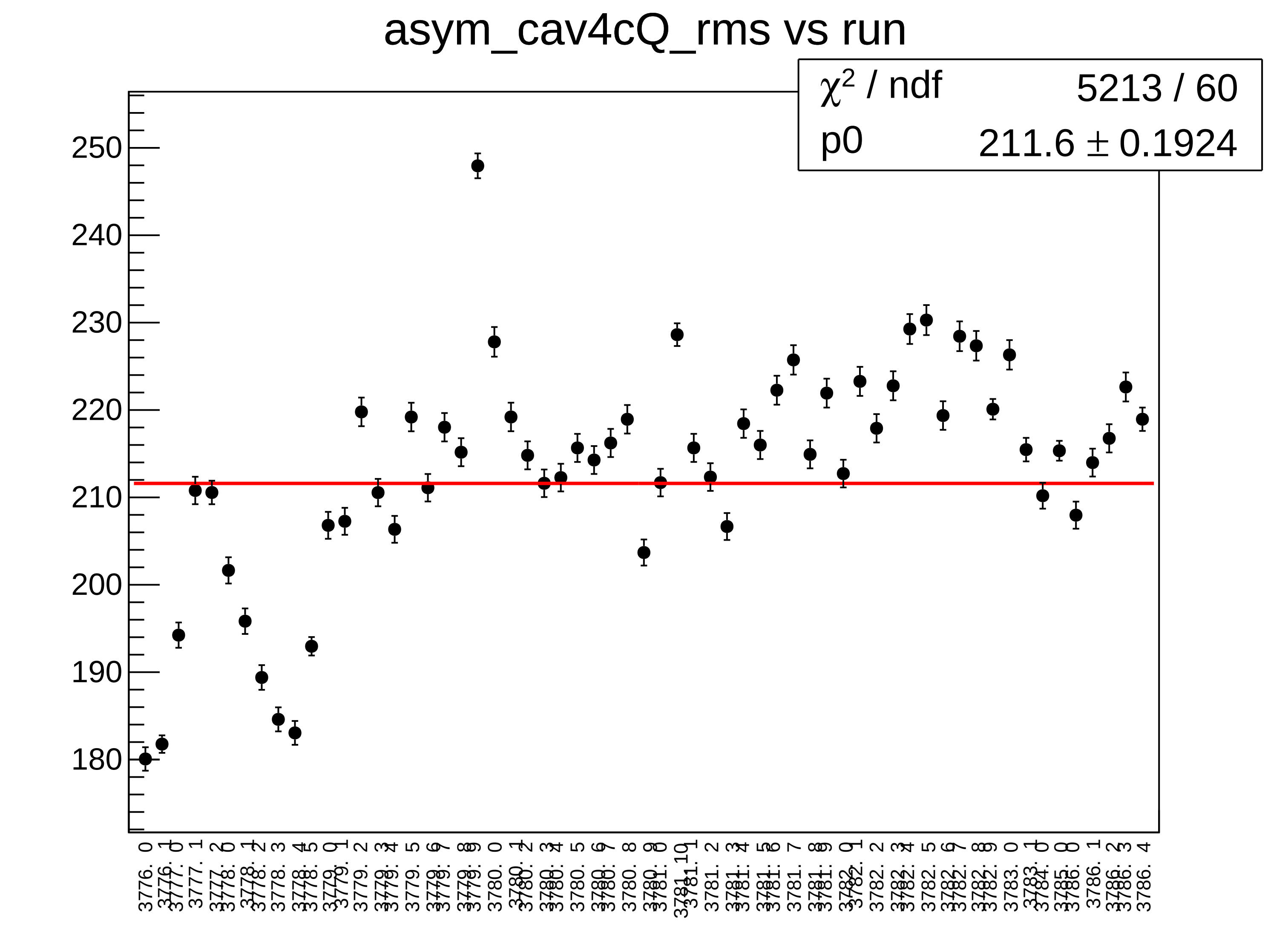


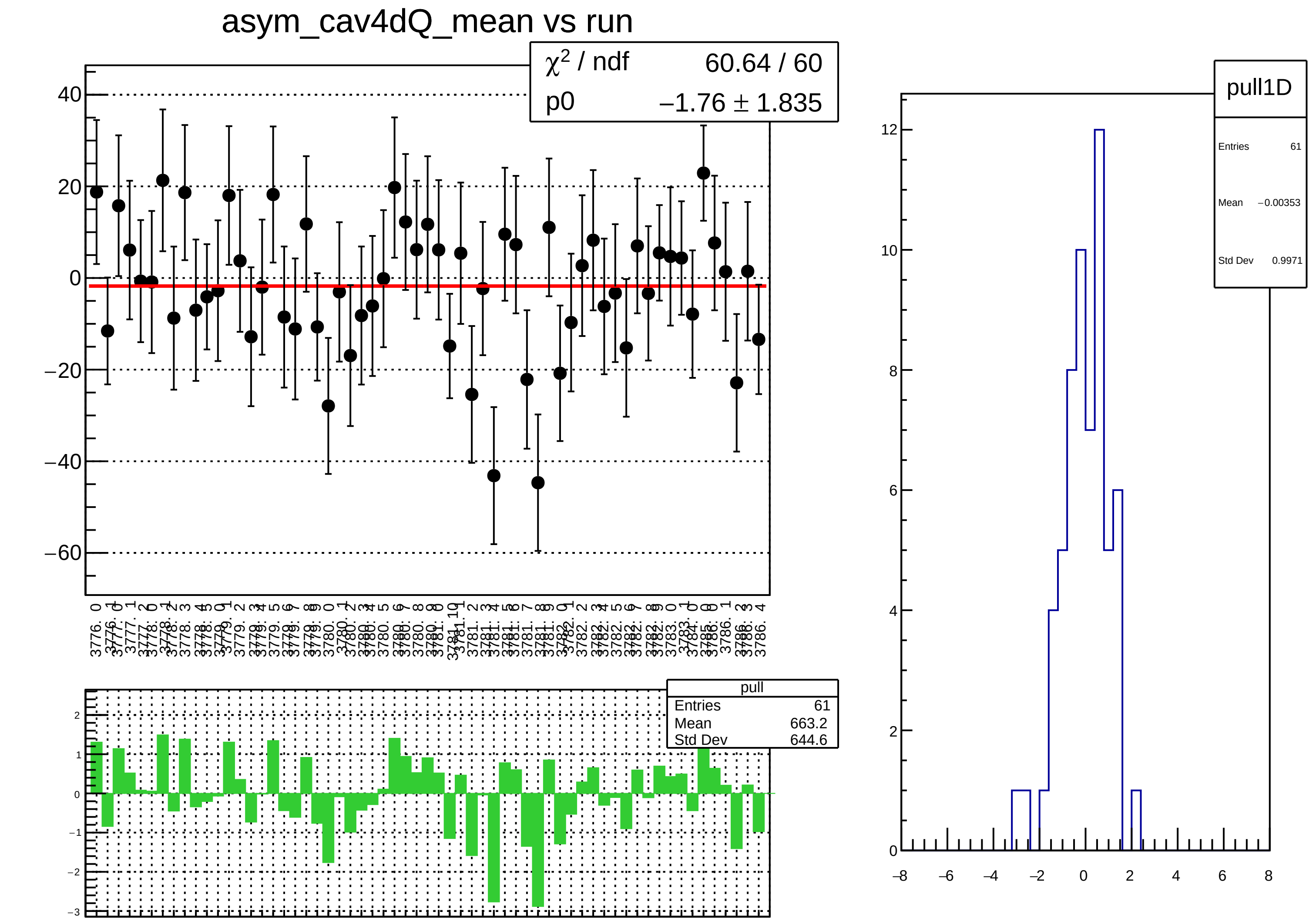
asym_cav4bQ_mean vs run
χ^2 / ndf 46.66 / 60
p0 −6.029 ± 3.825
pull
Entries 61
Mean 2.362
Std Dev 43.01
pull1D
Entries 61
Mean 0.01126
Std Dev 0.8746


asym_cav4bQ_rms vs run
χ2 / ndf 2304 / 60
p0 2.978 ± 0.002705
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6

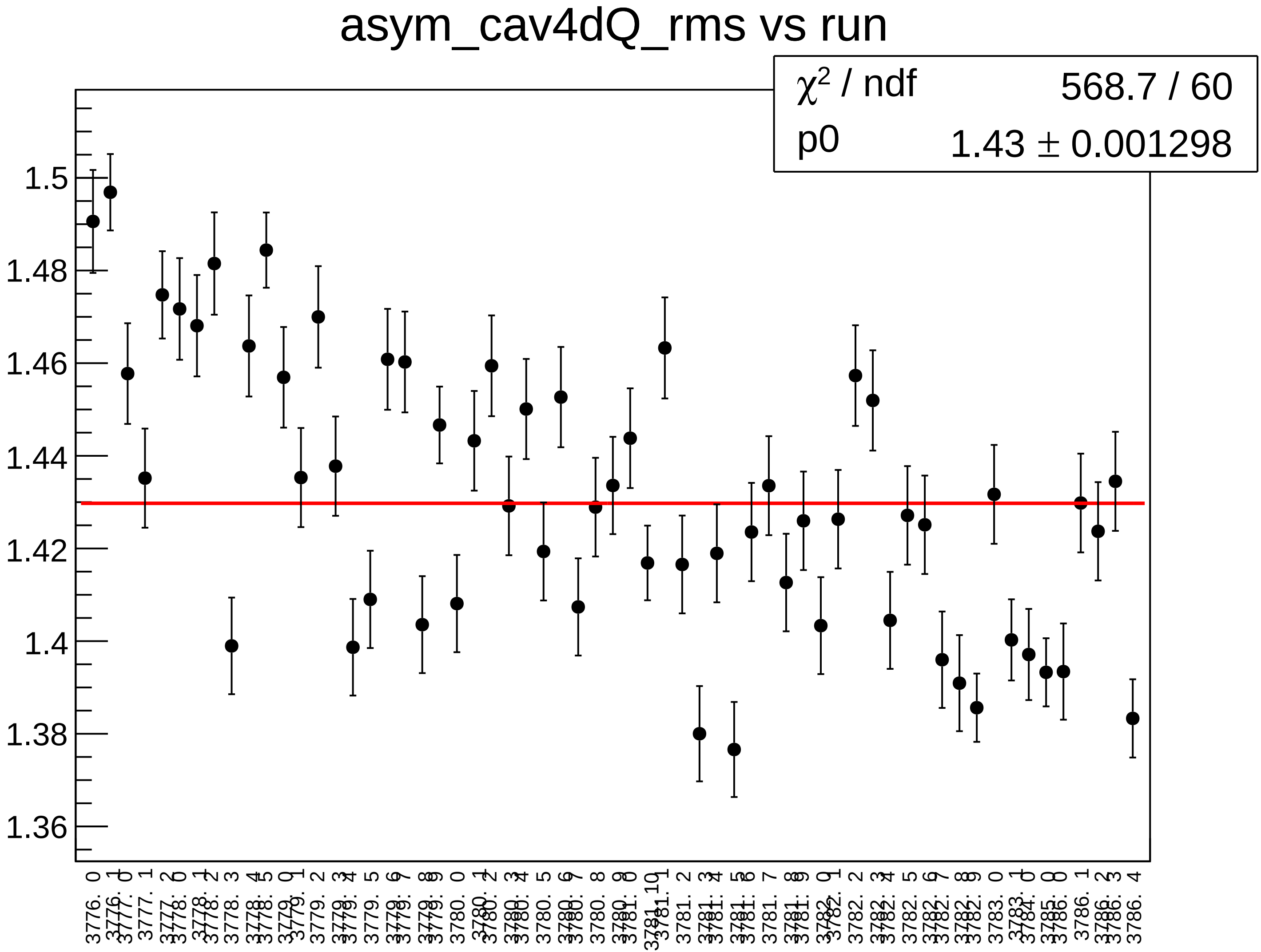


asym_cav4cQ_mean vs run
χ2 / ndf 9.643 / 60
p0 42.16 ± 272.1
pull
Entries 61
Mean −52.82
Std Dev 87.92
pull1D
Entries 61
Mean 0.001466
Std Dev 0.3976

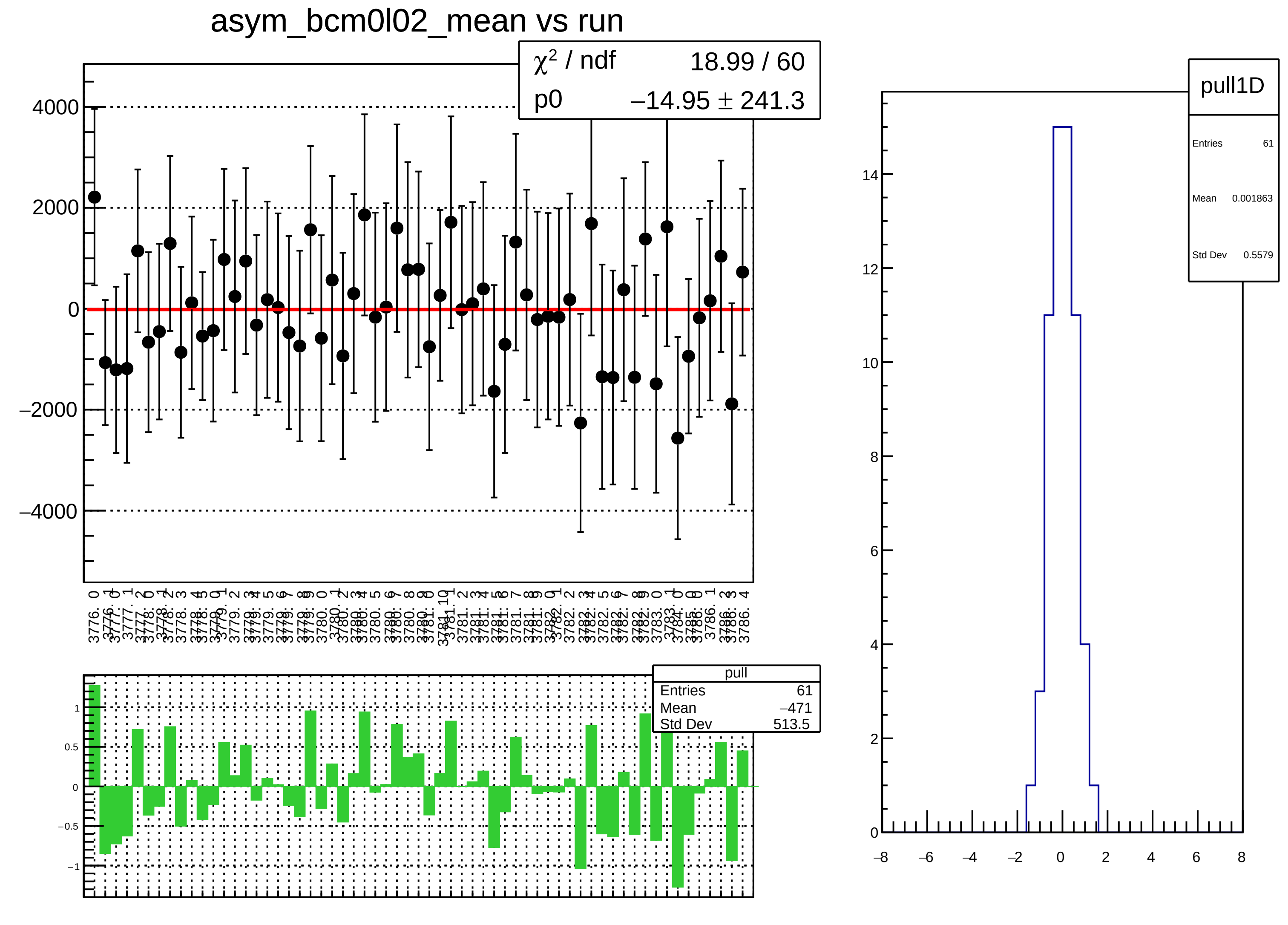

asym_cav4cQ_rms vs run
χ^2 / ndf 5213 / 60
p0 211.6 ± 0.1924
250
240
230
220
210
200
190
180

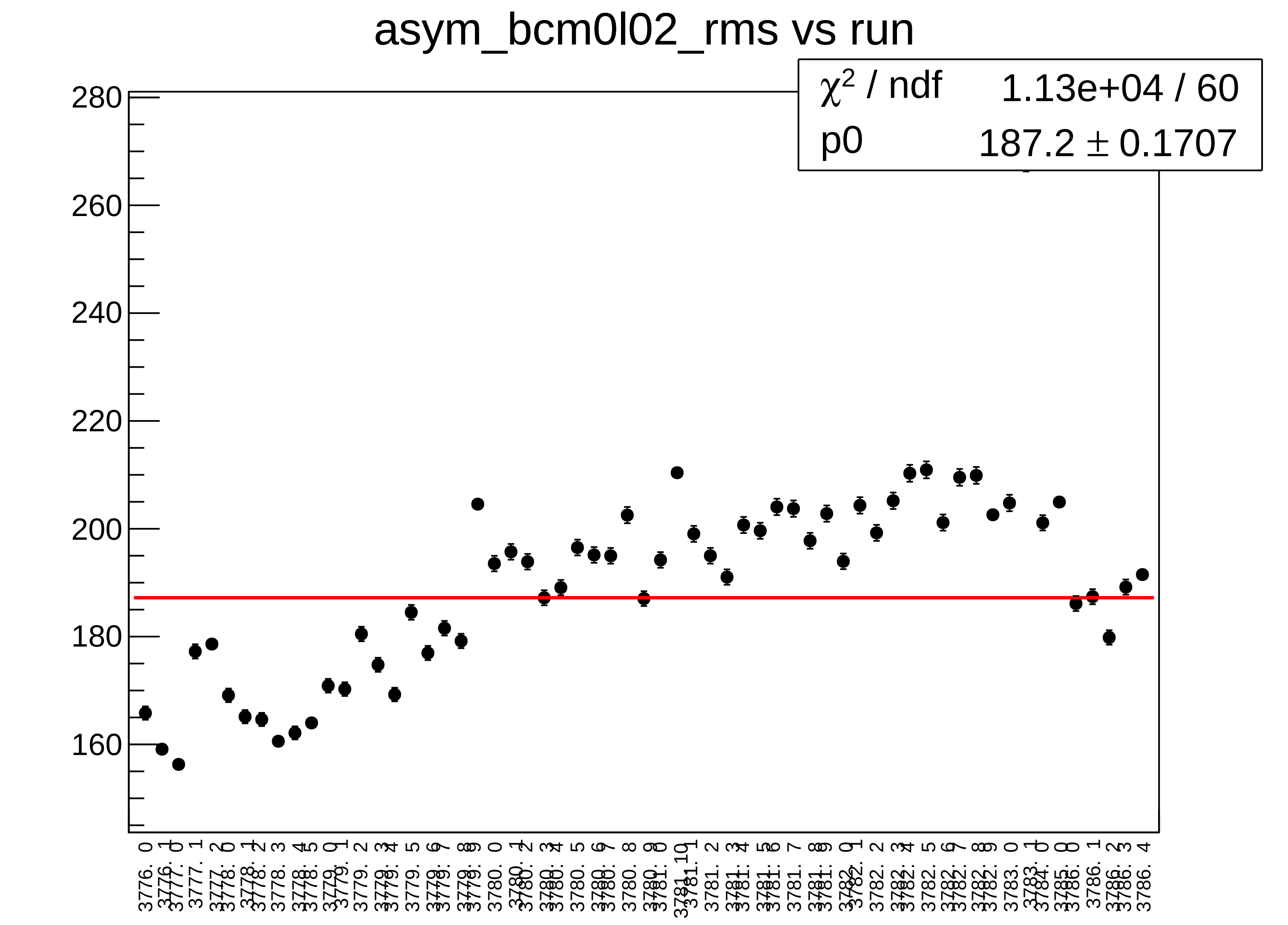


asym_cav4dQ_mean vs run
χ^2 / ndf 60.64 / 60
p0 −1.76 ± 1.835
pull
Entries 61
Mean 663.2
Std Dev 644.6
pull1D
Entries 61
Mean −0.00353
Std Dev 0.9971

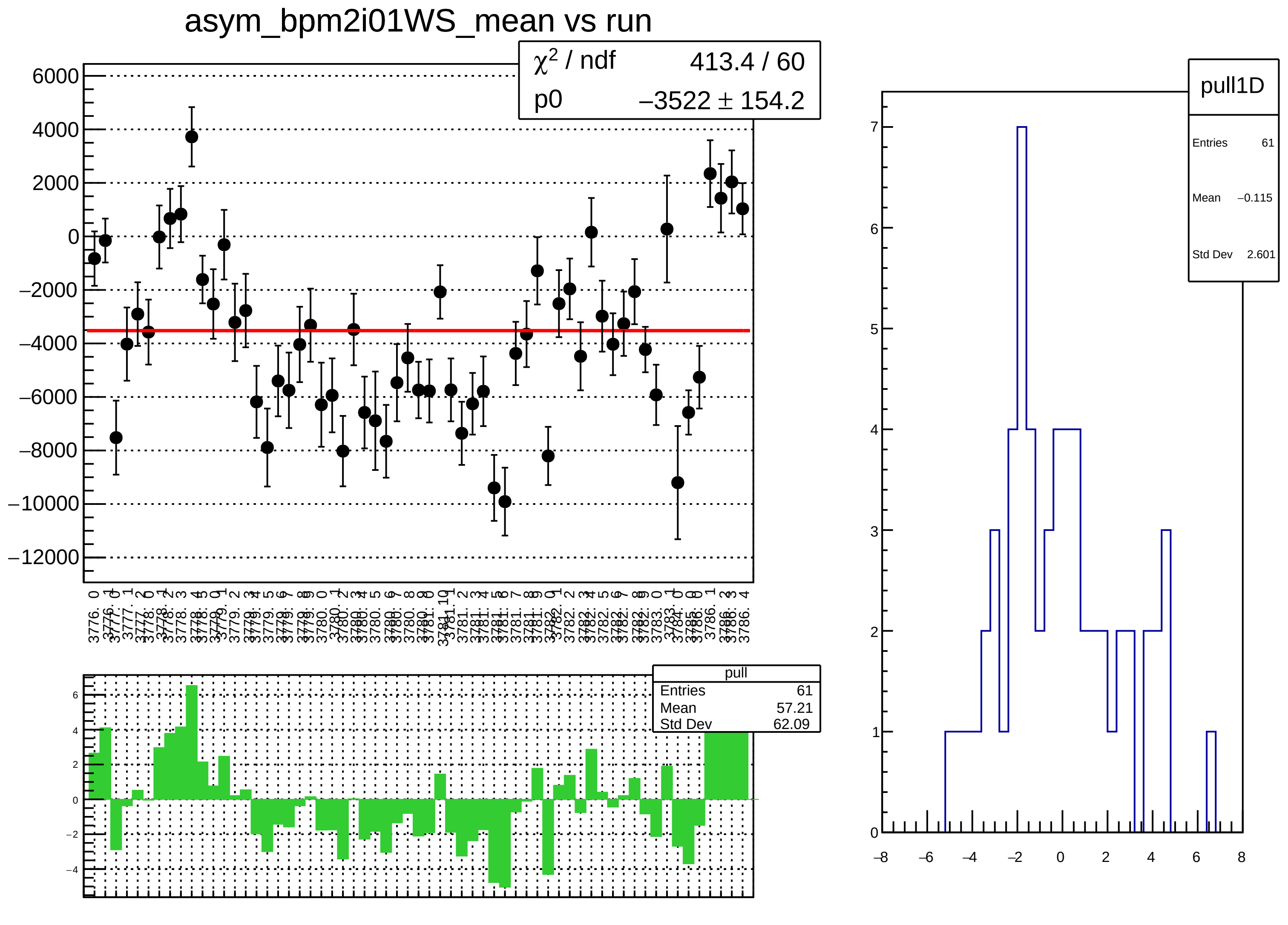


asym_cav4dQ_rms vs run
χ2 / ndf 568.7 / 60
p0 1.43 ± 0.001298
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36

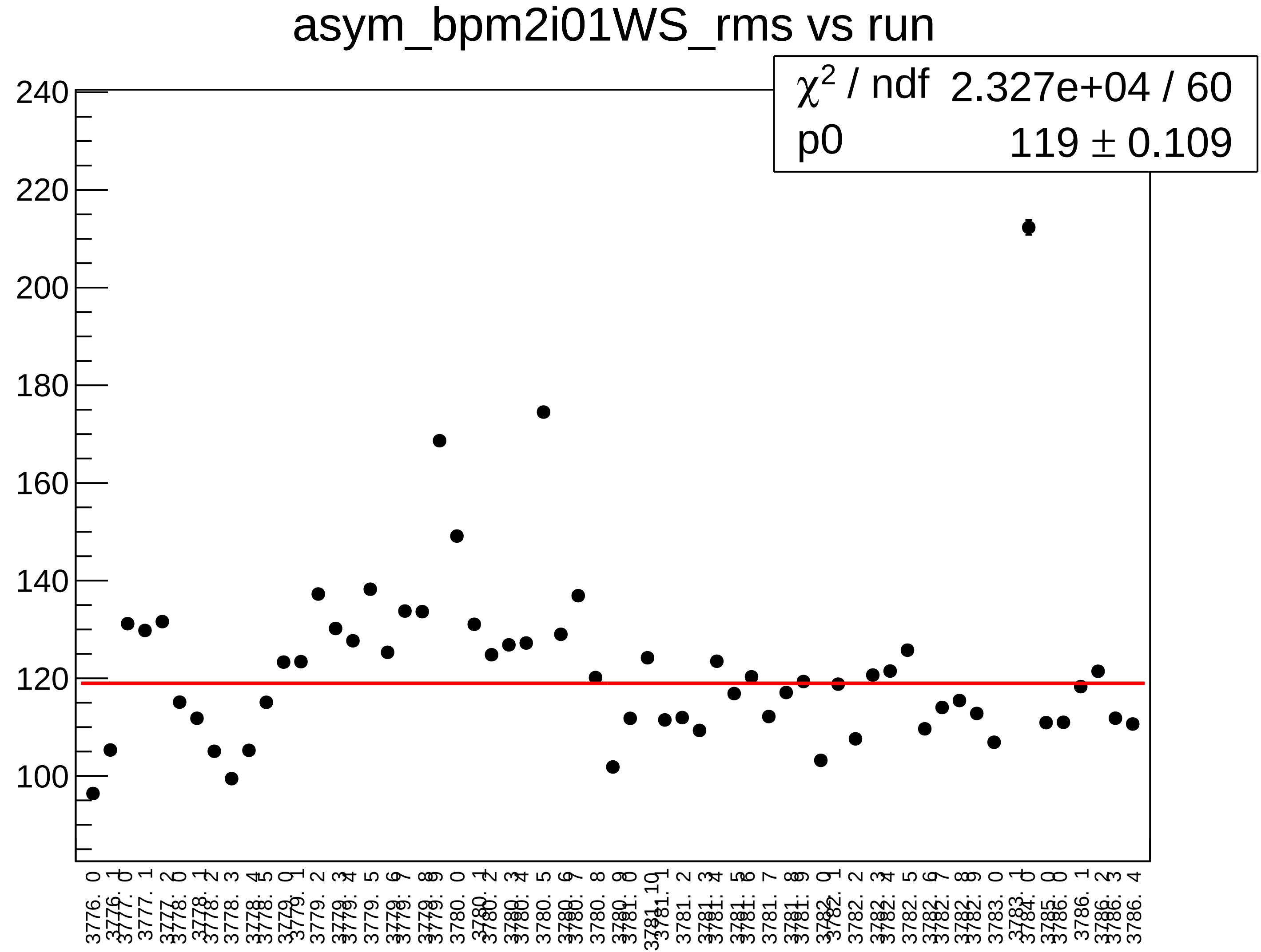

asym_bcm0l02_mean vs run
χ^2 / ndf 18.99 / 60
p0 −14.95 ± 241.3
pull
Entries 61
Mean −471
Std Dev 513.5
pull1D
Entries 61
Mean 0.001863
Std Dev 0.5579

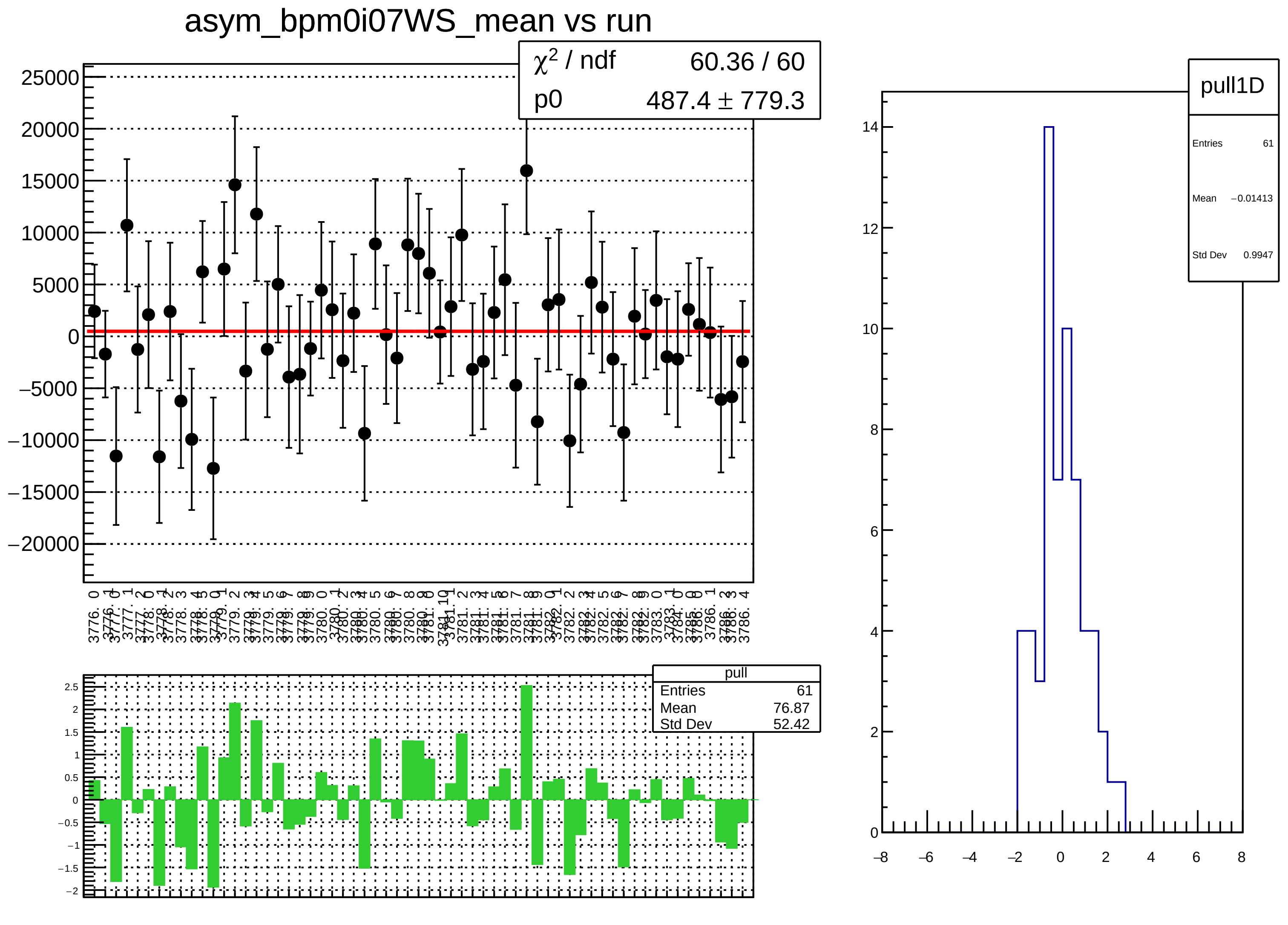


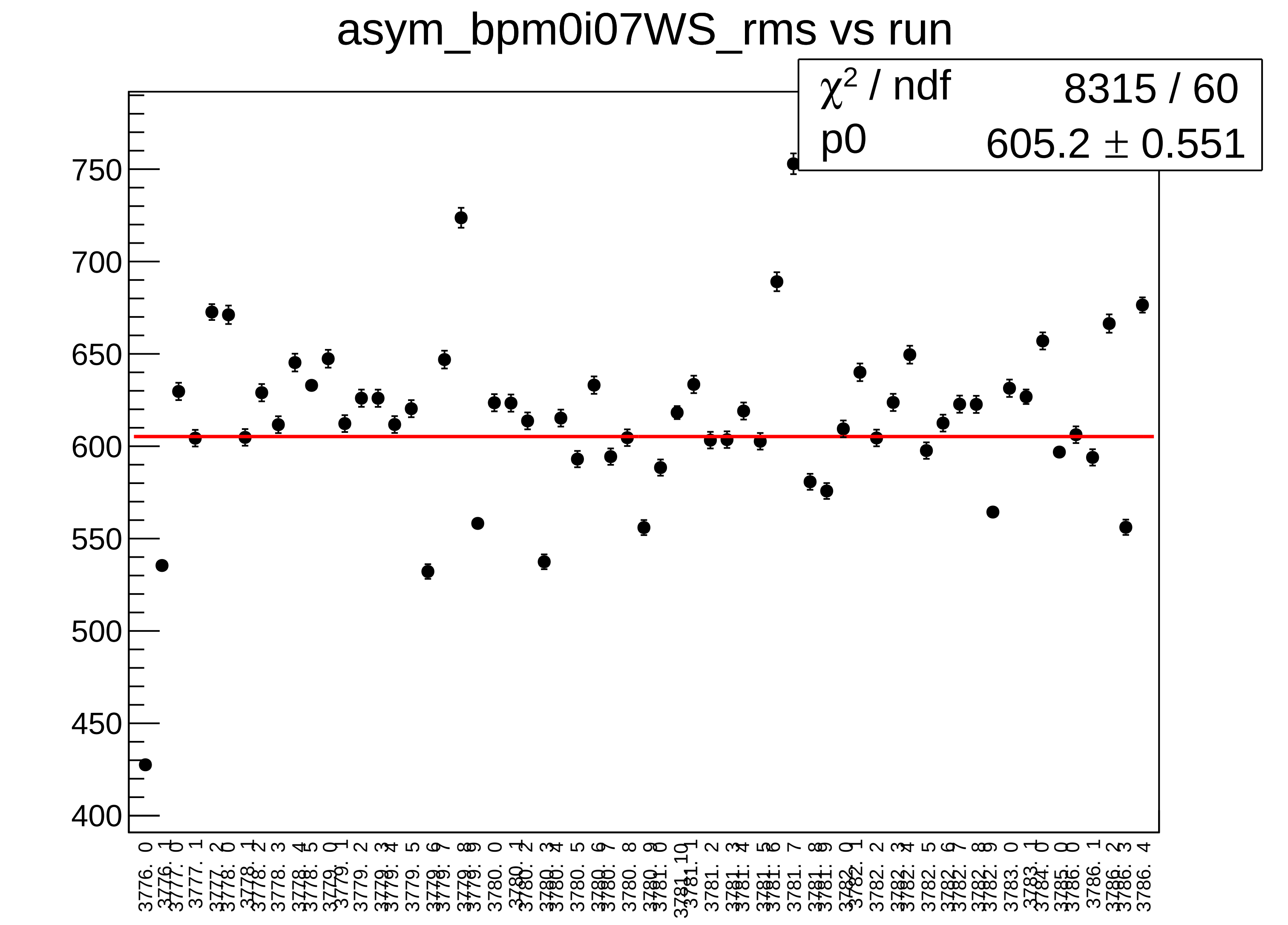
asym_bcm0l02_rms vs run
χ^2 / ndf 1.13e+04 / 60
p0 187.2 ± 0.1707
280
260
240
220
200
180
160



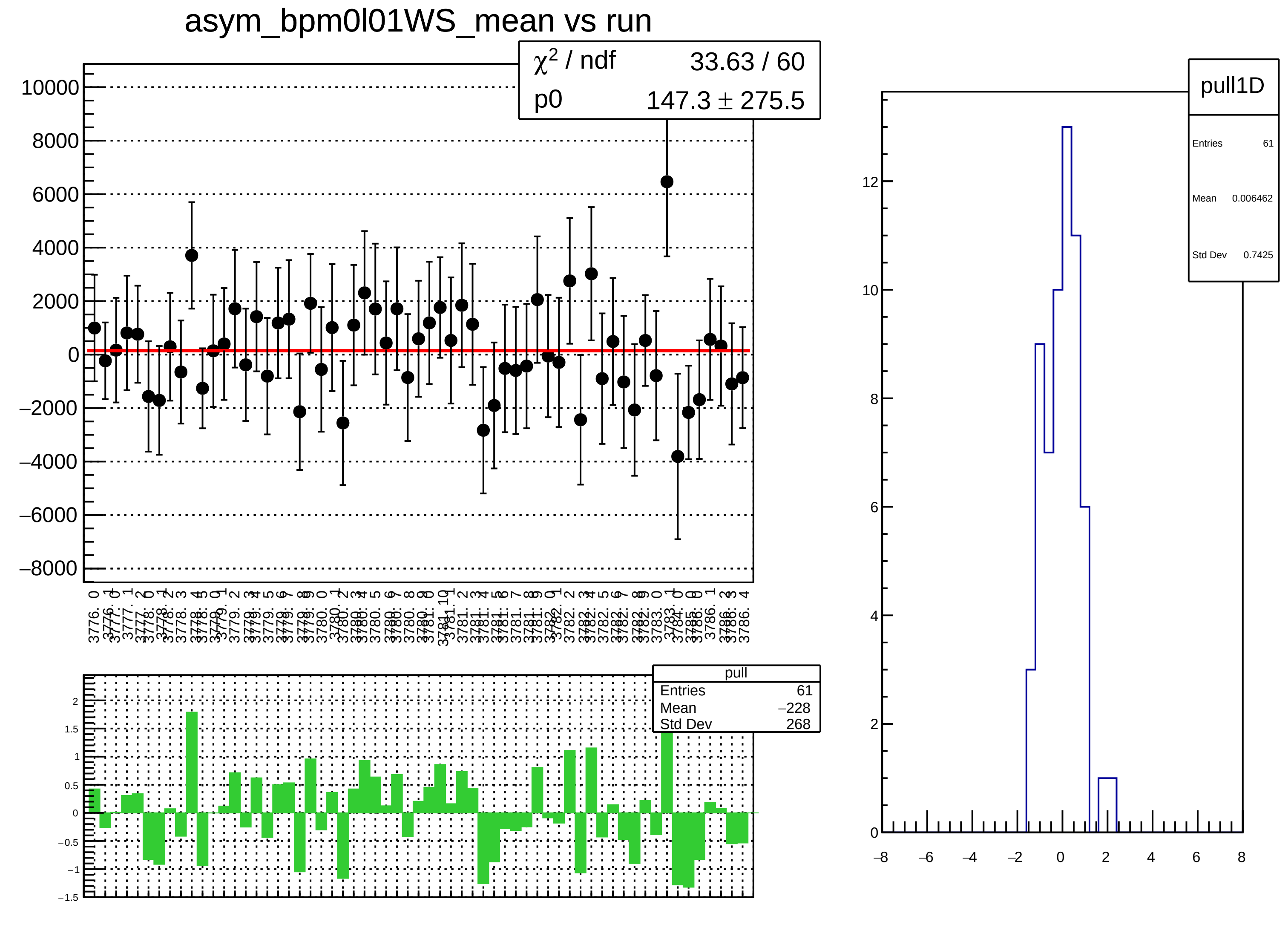
asym_bpm2i01WS_mean vs run
χ2 / ndf 413.4 / 60
p0 −3522 ± 154.2
pull
Entries 61
Mean 57.21
Std Dev 62.09
pull1D
Entries 61
Mean −0.115
Std Dev 2.601

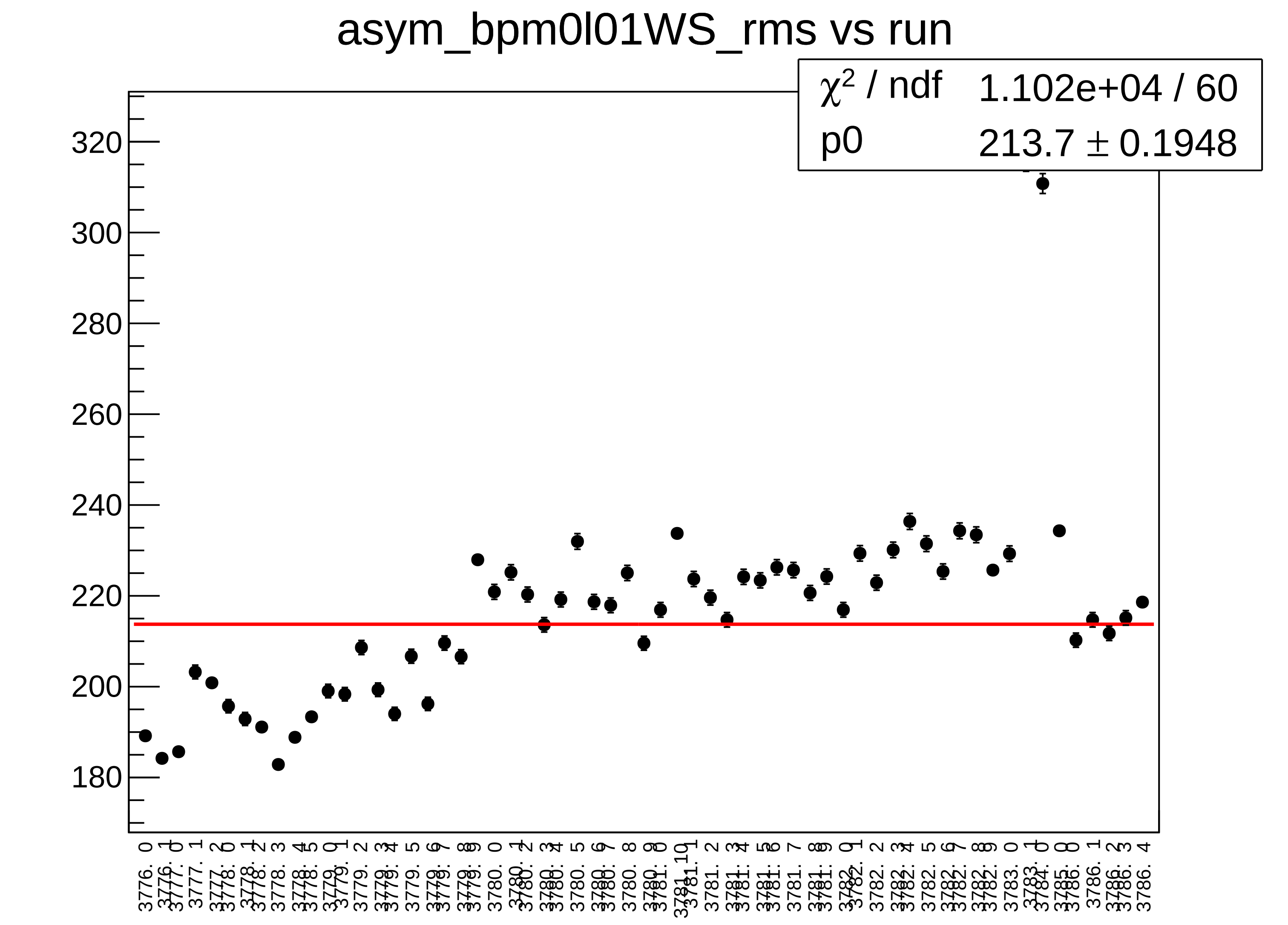

asym_bpm2i01WS_rms vs run
χ^2 / ndf 2.327e+04 / 60
p0 119 ± 0.109
240
220
200
180
160
140
120
100

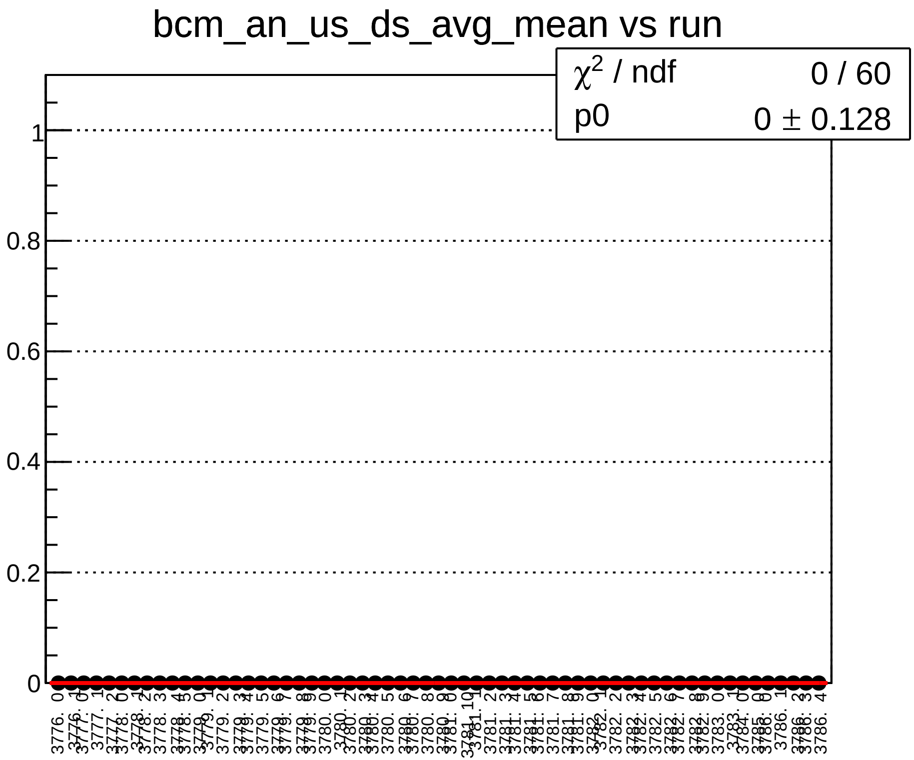

asym_bpm0i07WS_mean vs run
χ^2 / ndf 60.36 / 60
p0 487.4 ± 779.3
pull1D
Entries 61
Mean −0.01413
Std Dev 0.9947
pull
Entries 61
Mean 76.87
Std Dev 52.42

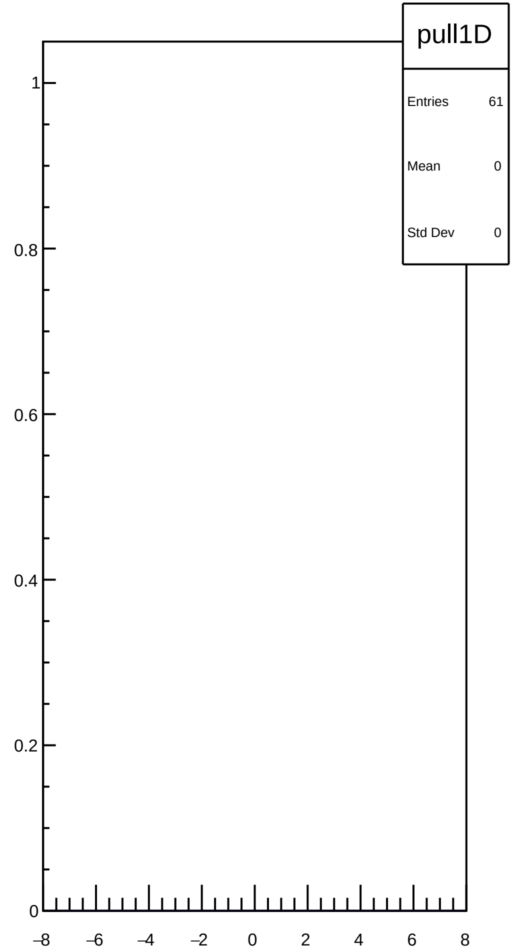


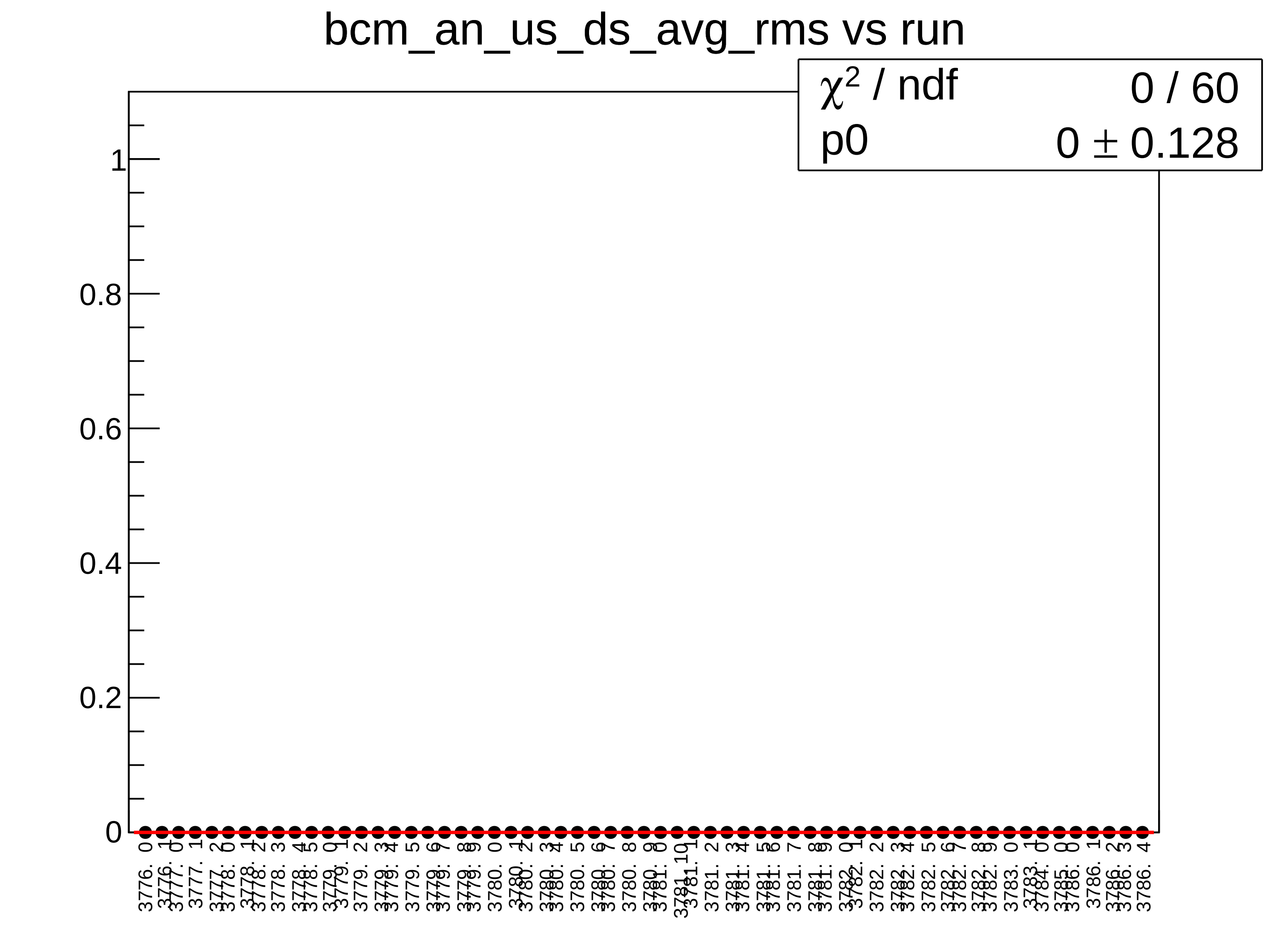
asym_bpm0i07WS_rms vs run
χ^2 / ndf 8315 / 60
p0 605.2 ± 0.551
750
700
650
600
550
500
450
400

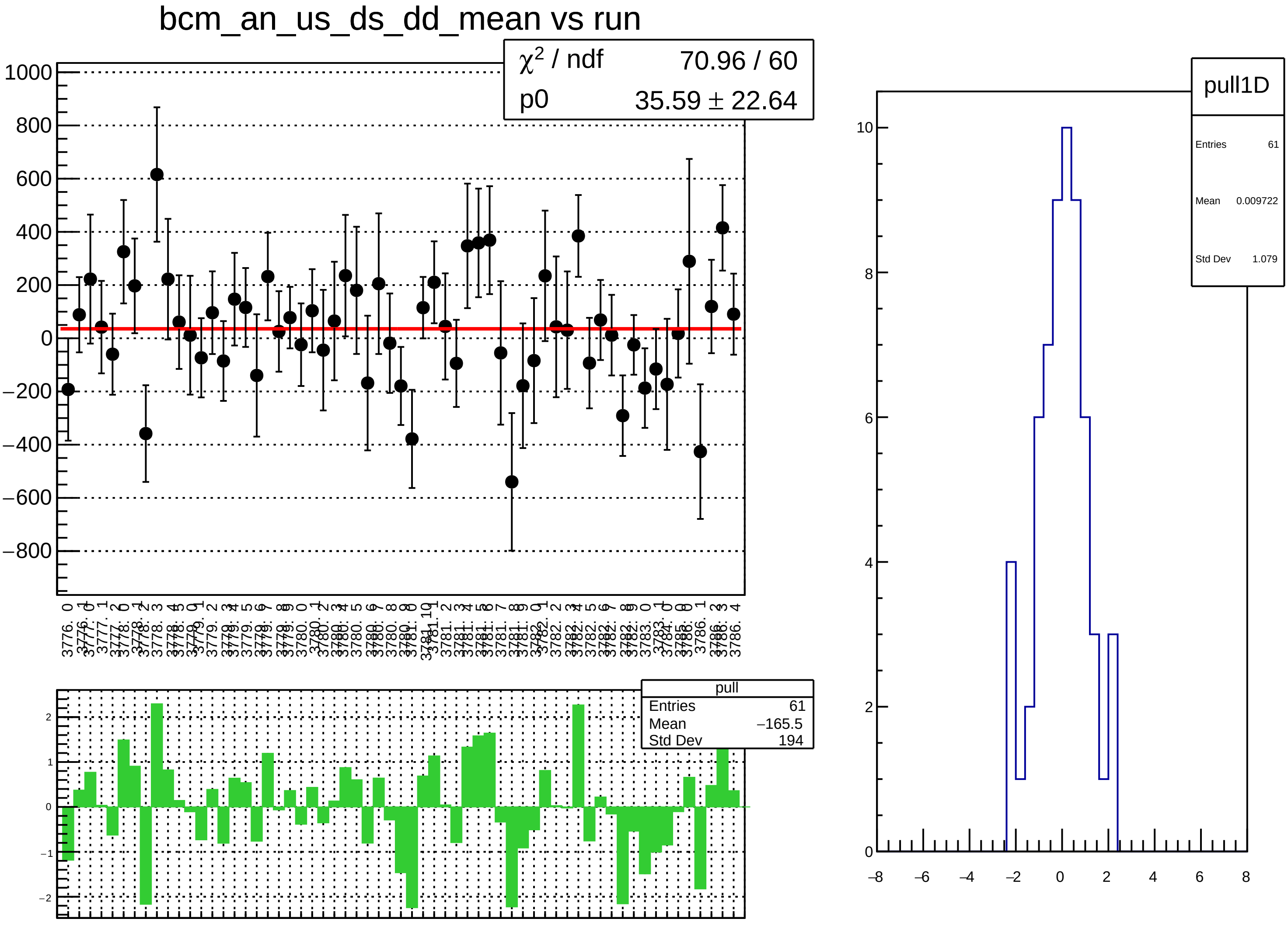

asym_bpm0l01WS_mean vs run
χ^2 / ndf 33.63 / 60
p0 147.3 ± 275.5
pull
Entries 61
Mean −228
Std Dev 268
pull1D
Entries 61
Mean 0.006462
Std Dev 0.7425

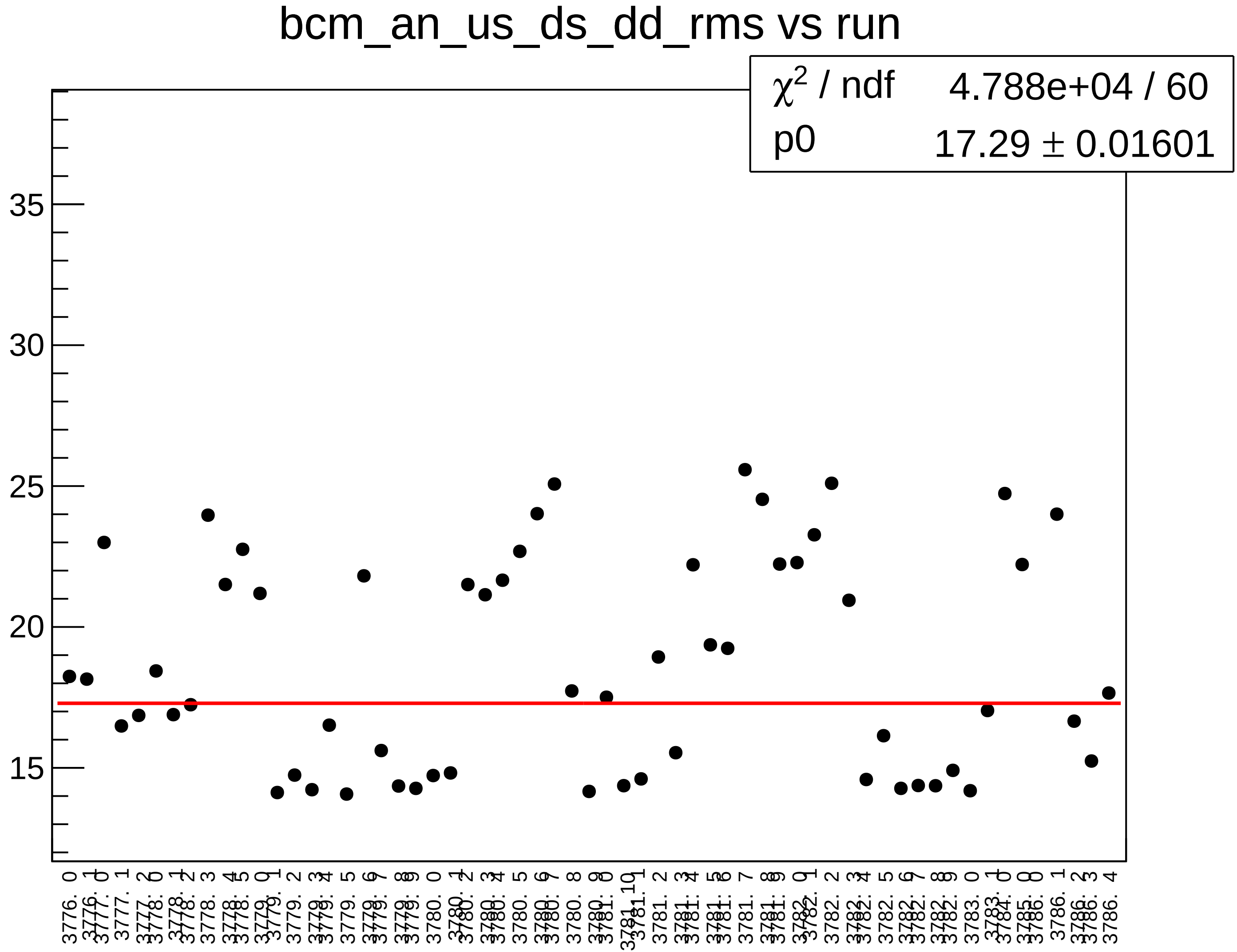

asym_bpm0l01WS_rms vs run
χ² / ndf 1.102e+04 / 60
p0 213.7 ± 0.1948
320
300
280
260
240
220
200
180


bcm_an_us_ds_avg_mean vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128

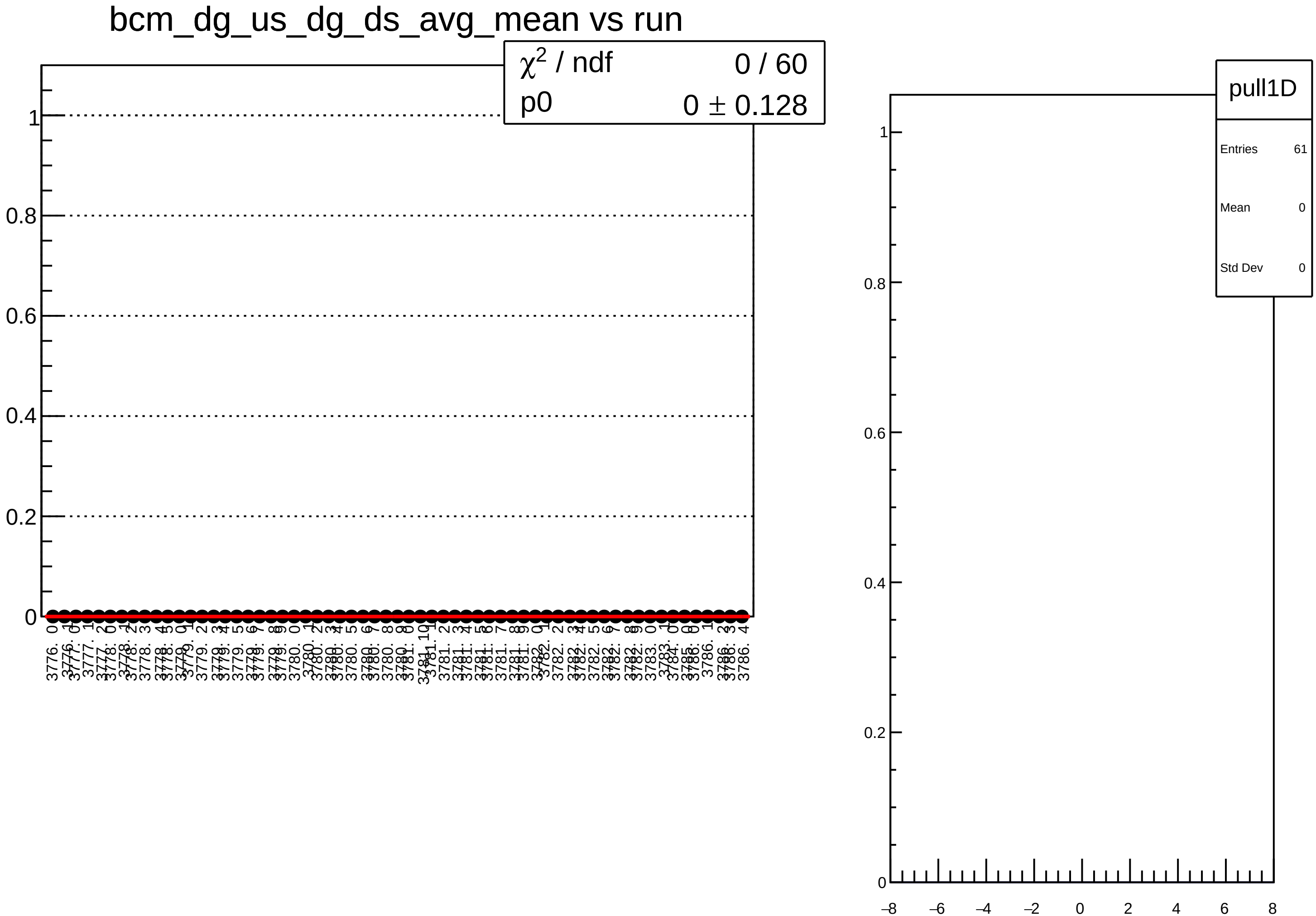

pull1D
Entries 61
Mean 0
Std Dev 0


bcm_an_us_ds_avg_rms vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0

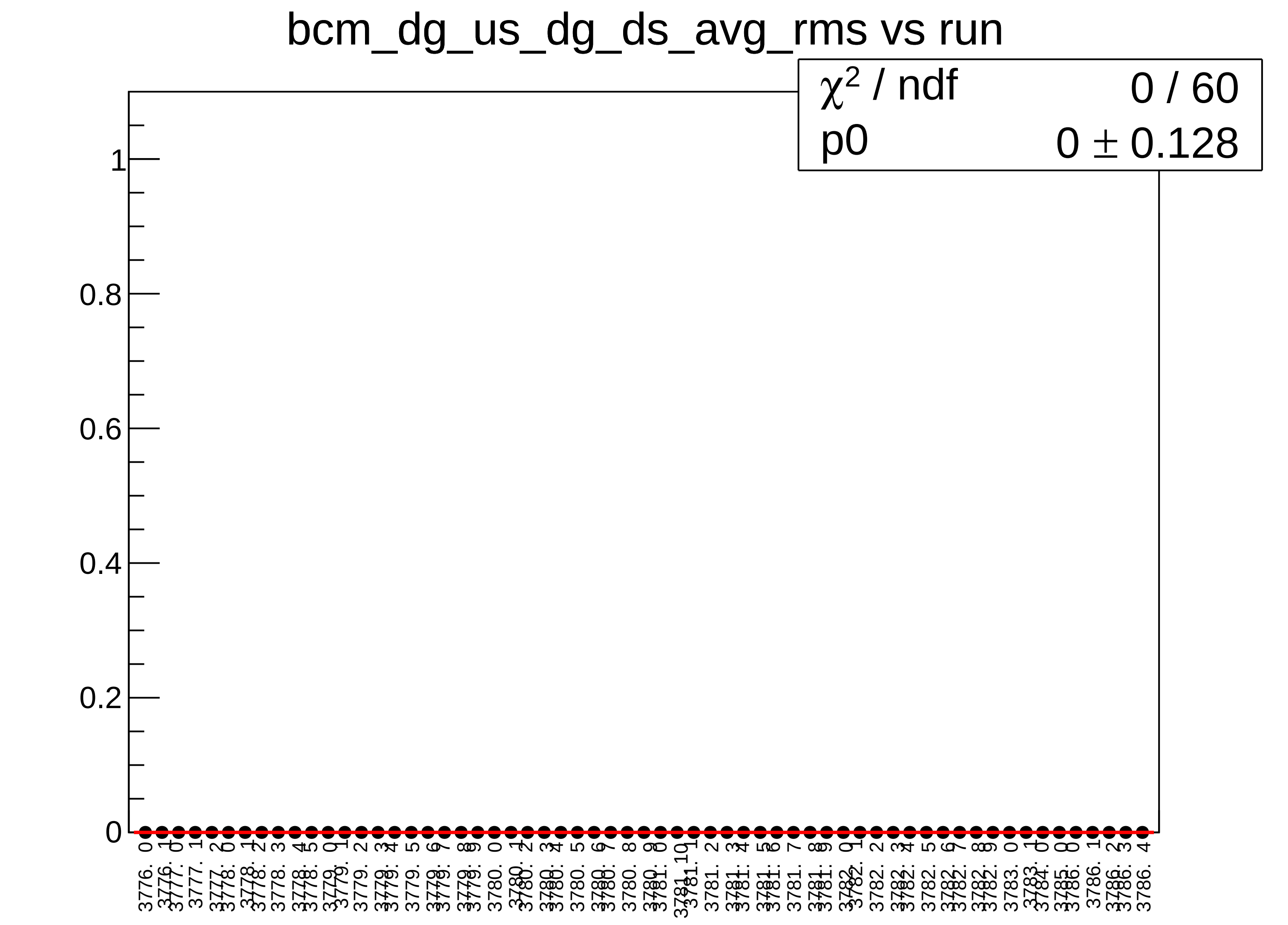

bcm_an_us_ds_dd_mean vs run
χ^2 / ndf 70.96 / 60
p0 35.59 ± 22.64
pull
Entries 61
Mean −165.5
Std Dev 194
pull1D
Entries 61
Mean 0.009722
Std Dev 1.079



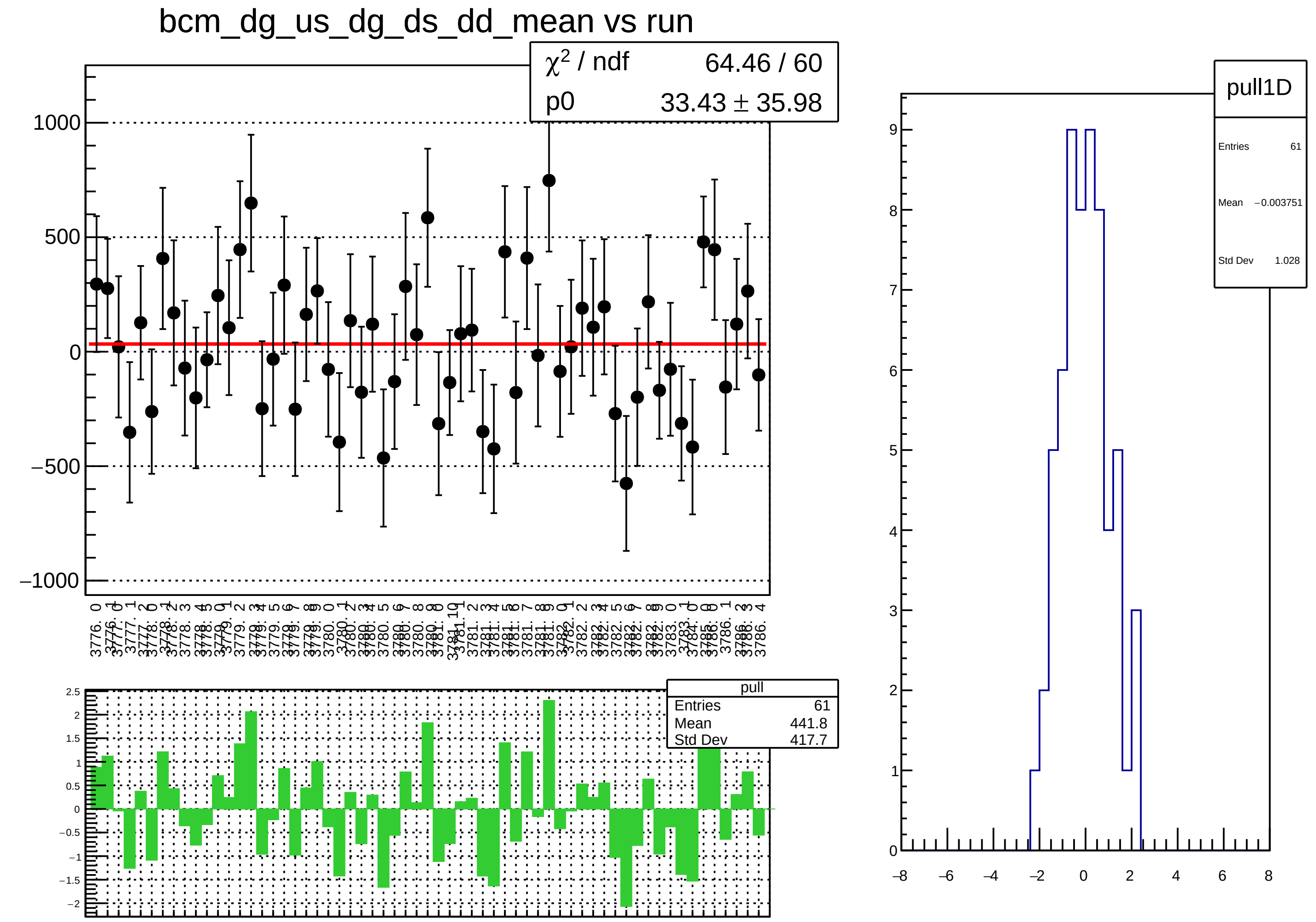
bcm_an_us_ds_dd_rms vs run
χ^2 / ndf 4.788e+04 / 60
p0 17.29 ± 0.01601
35
30
25
20
15

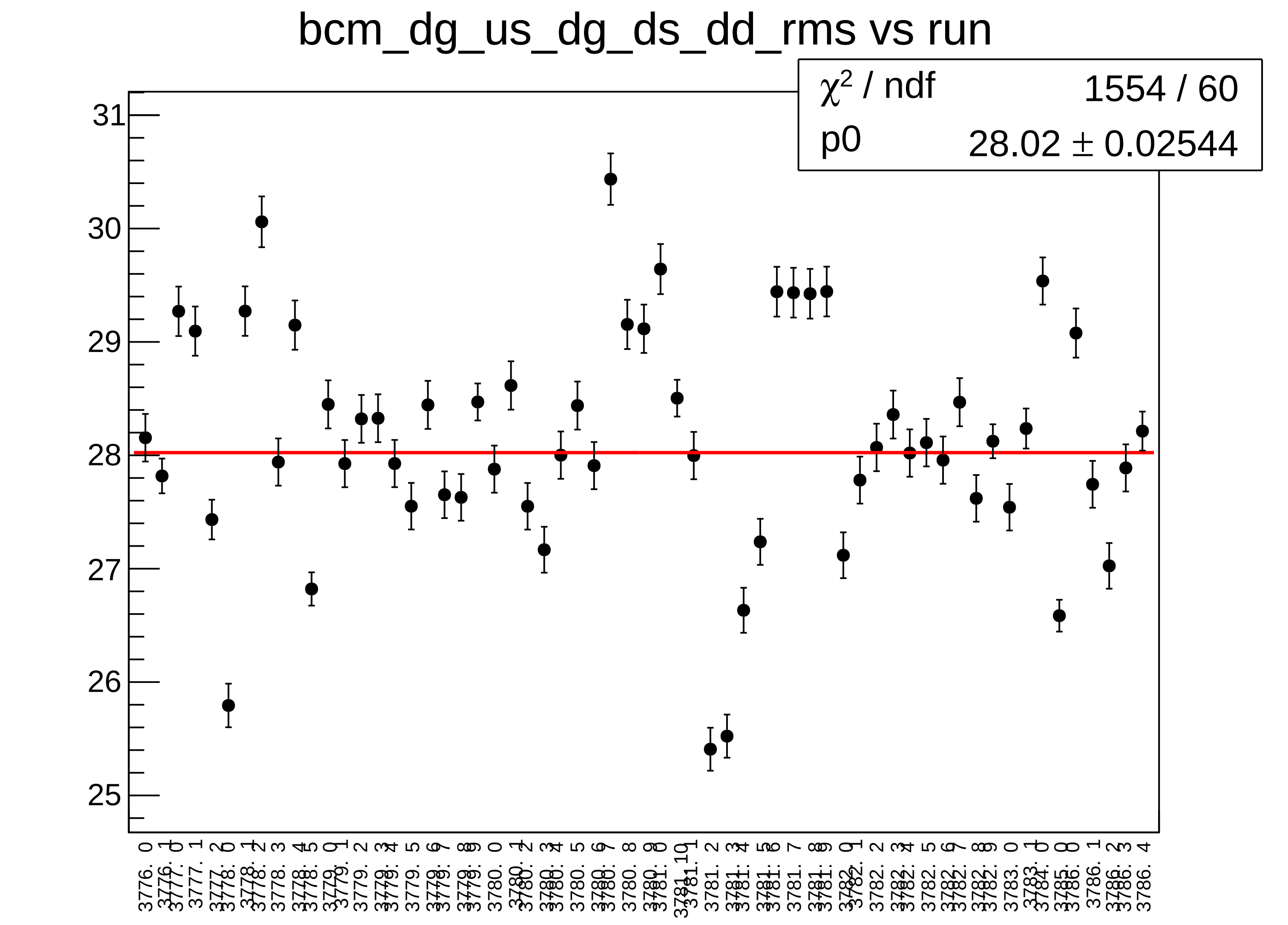


bcm_dg_us_dg_ds_avg_mean vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128
pull1D
Entries 61
Mean 0
Std Dev 0

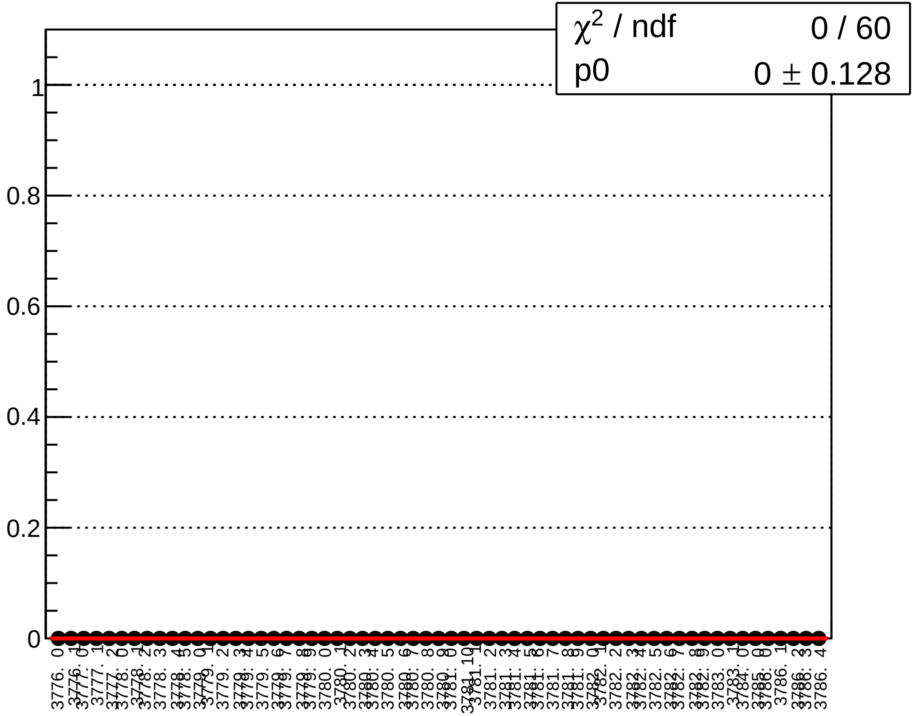


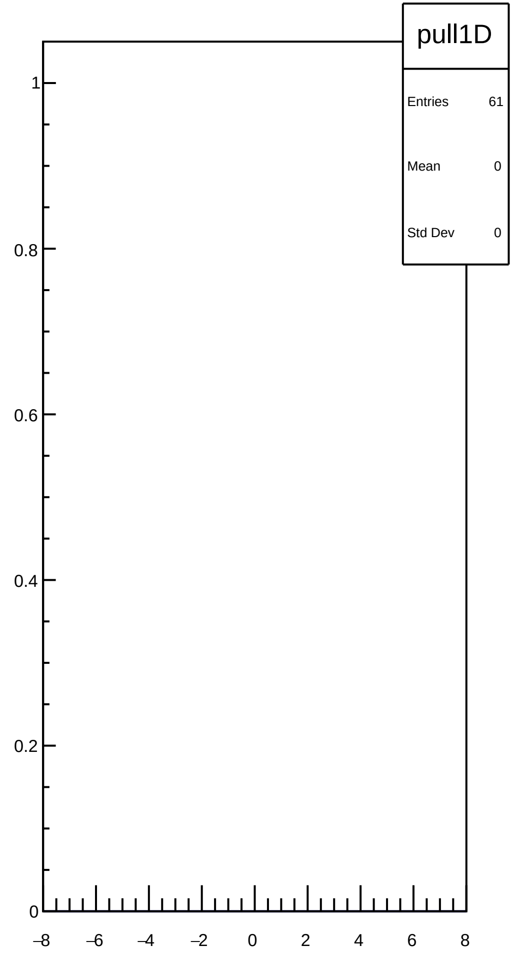
bcm_dg_us_dg_ds_avg_rms vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0

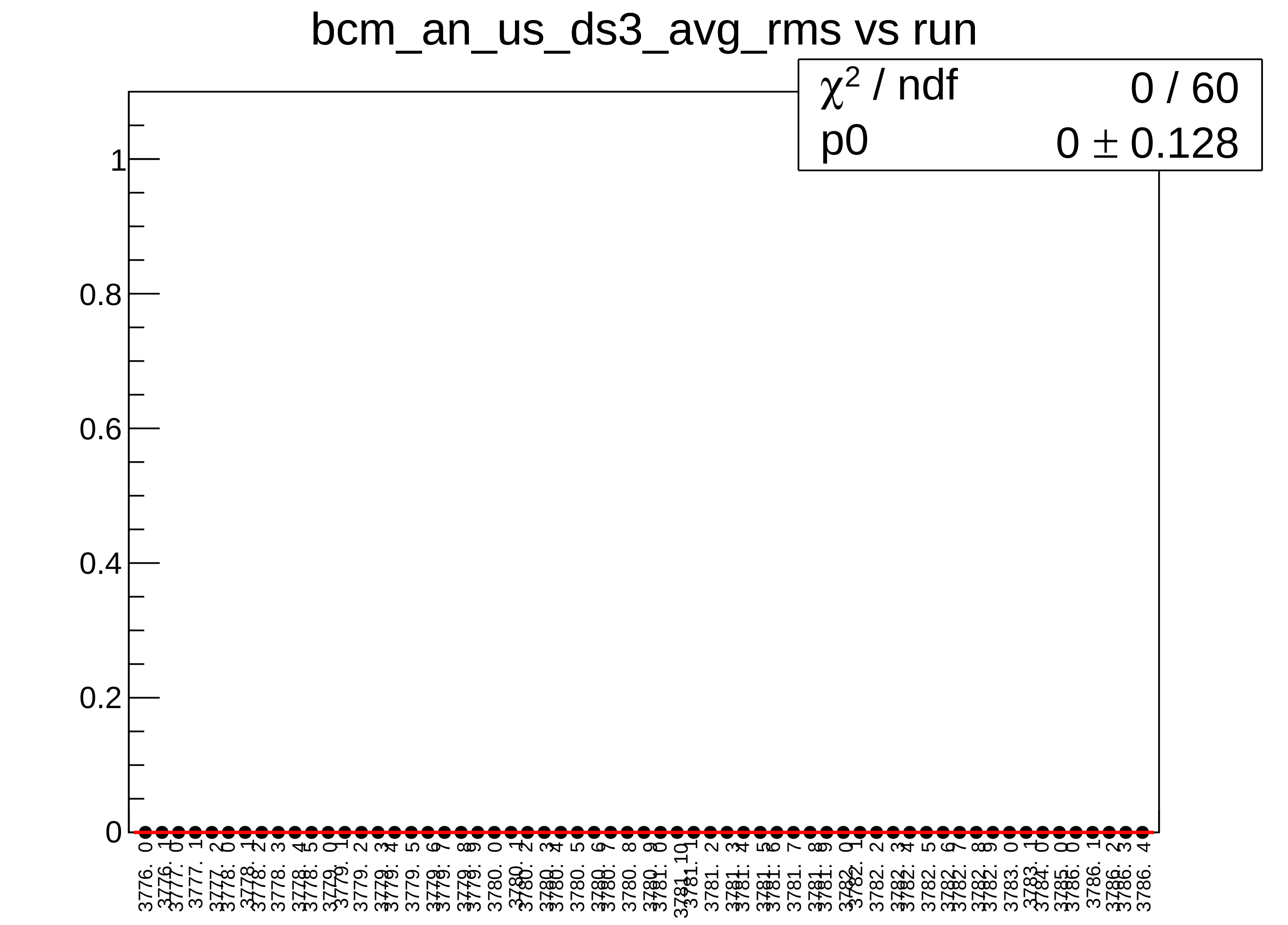

bcm_dg_us_dg_ds_dd_mean vs run
χ^2 / ndf 64.46 / 60
p0 33.43 ± 35.98
pull
Entries 61
Mean 441.8
Std Dev 417.7
pull1D
Entries 61
Mean −0.003751
Std Dev 1.028


bcm_dg_us_dg_ds_dd_rms vs run
χ^2 / ndf 1554 / 60
p0 28.02 ± 0.02544

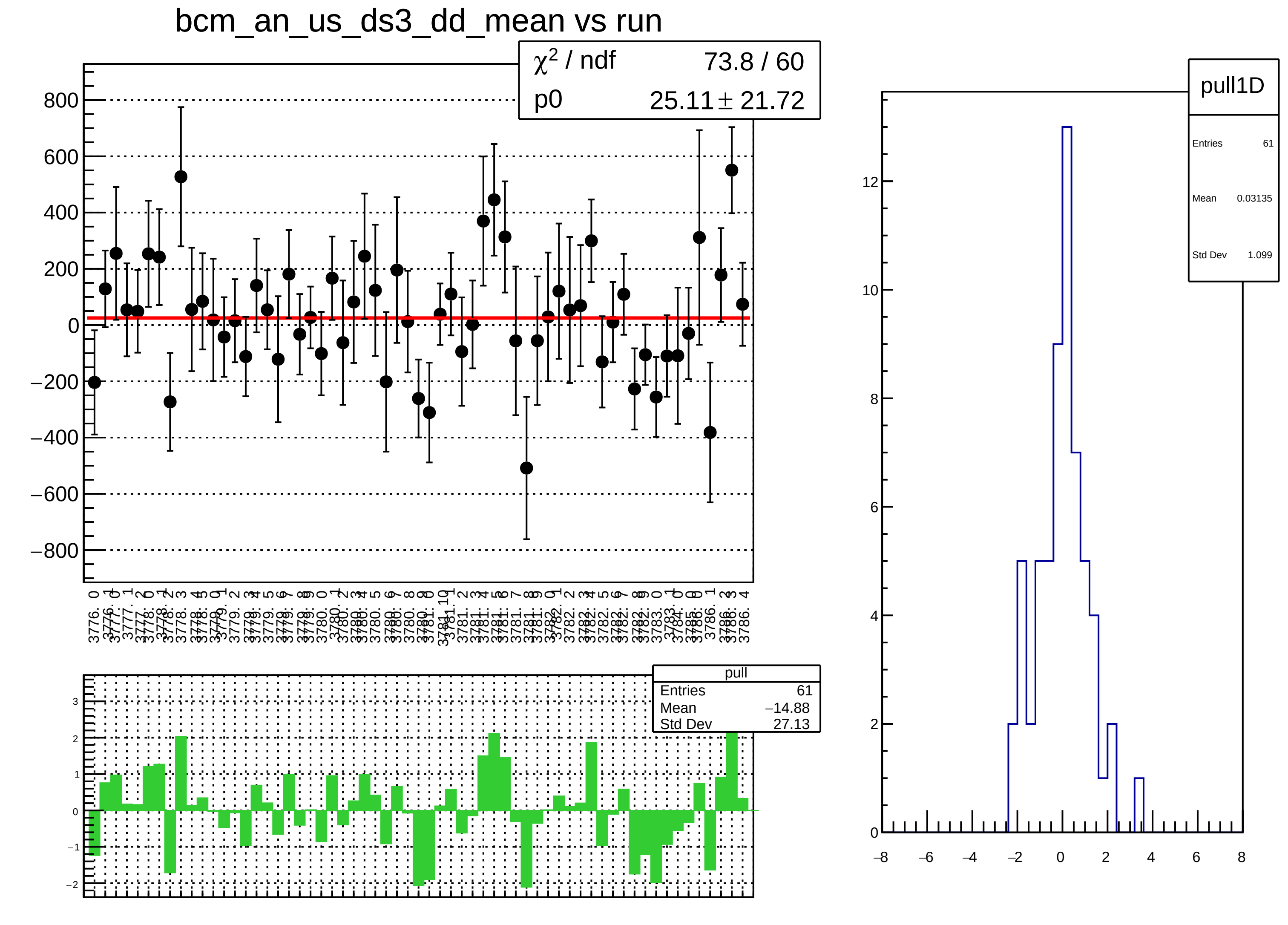
bcm_an_us_ds3_avg_mean vs run



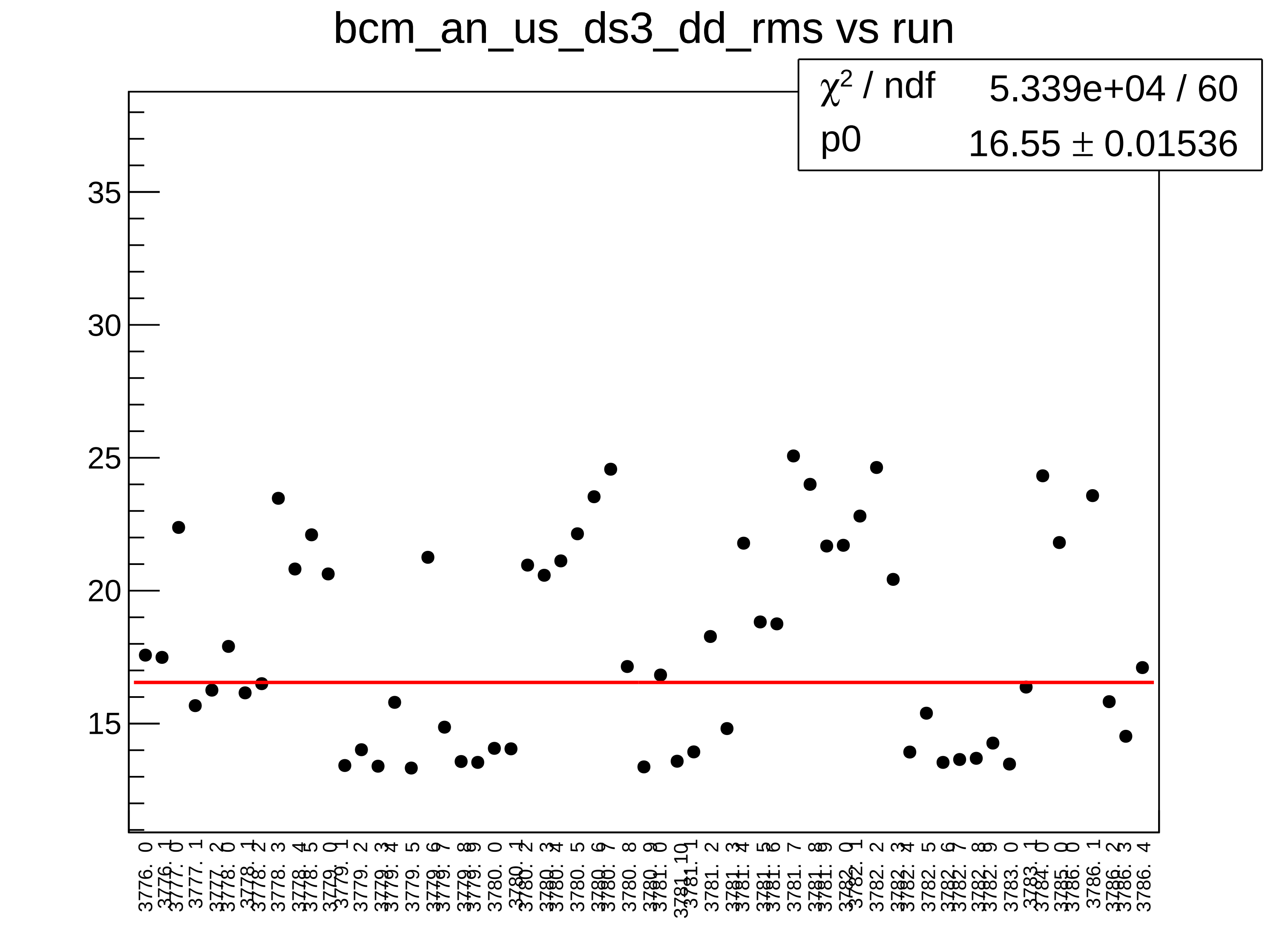


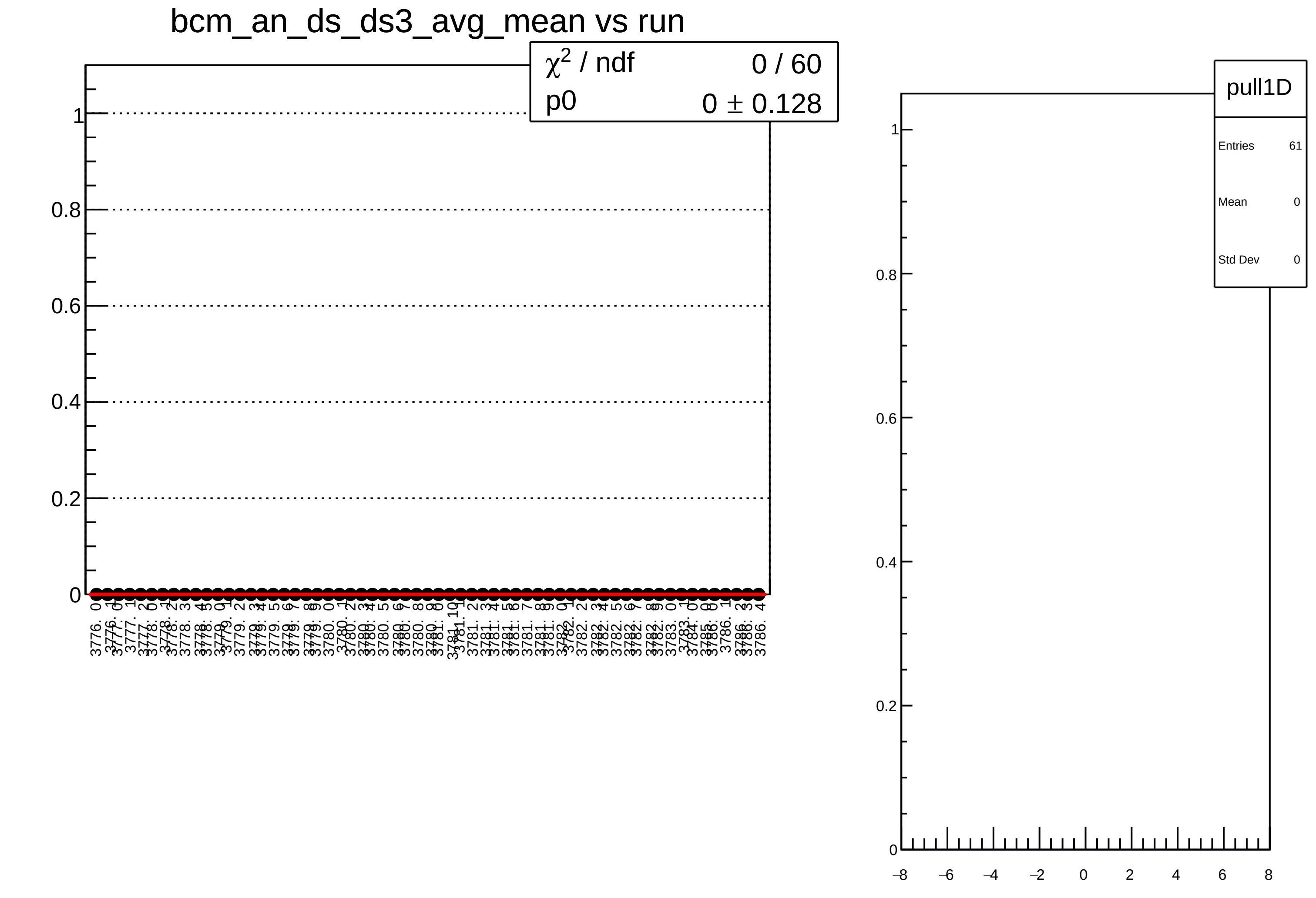


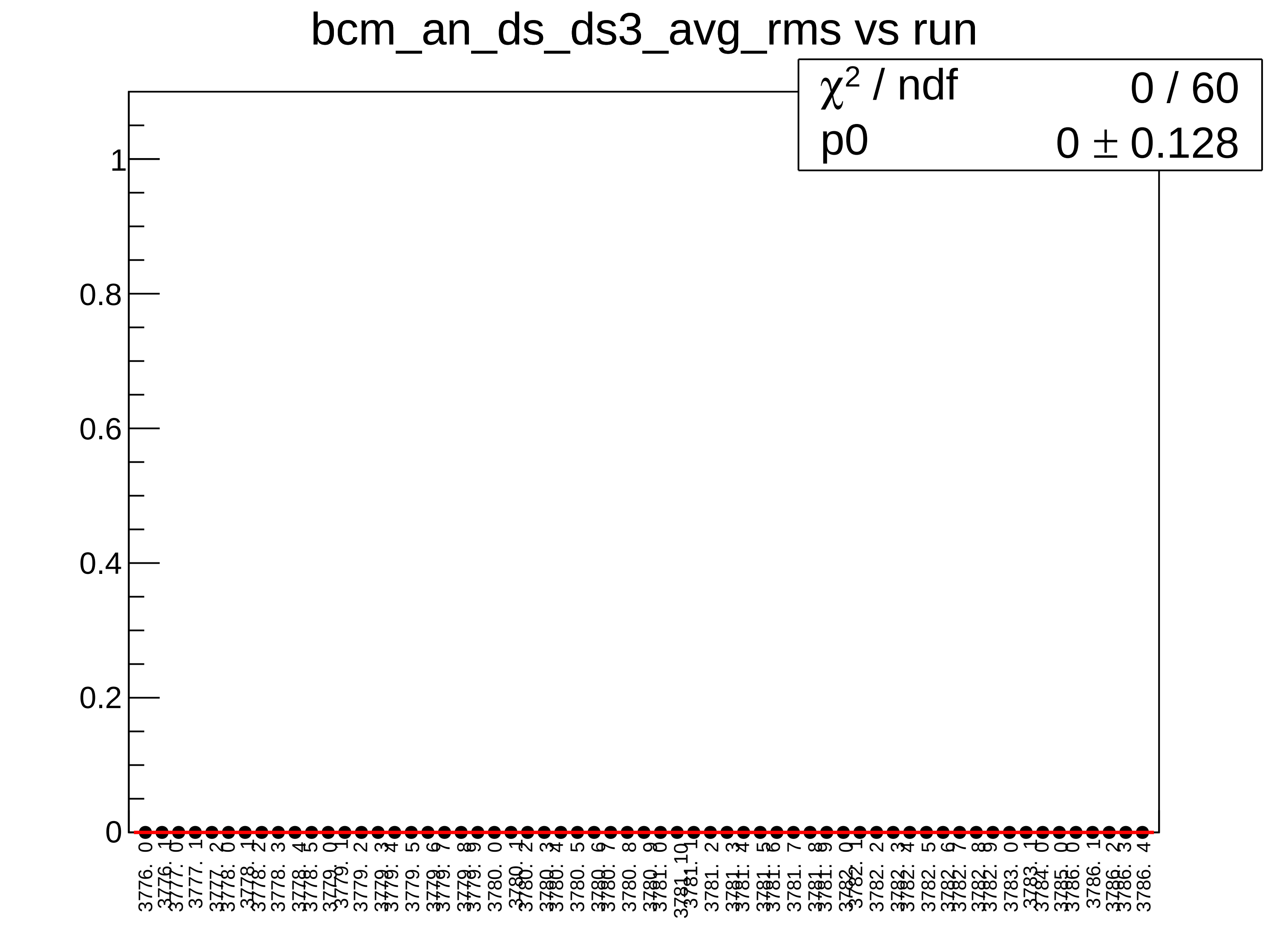
bcm_an_us_ds3_avg_rms vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128



bcm_an_us_ds3_dd_mean vs run
χ2 / ndf 73.8 / 60
p0 25.11 ± 21.72
pull
Entries 61
Mean −14.88
Std Dev 27.13
pull1D
Entries 61
Mean 0.03135
Std Dev 1.099

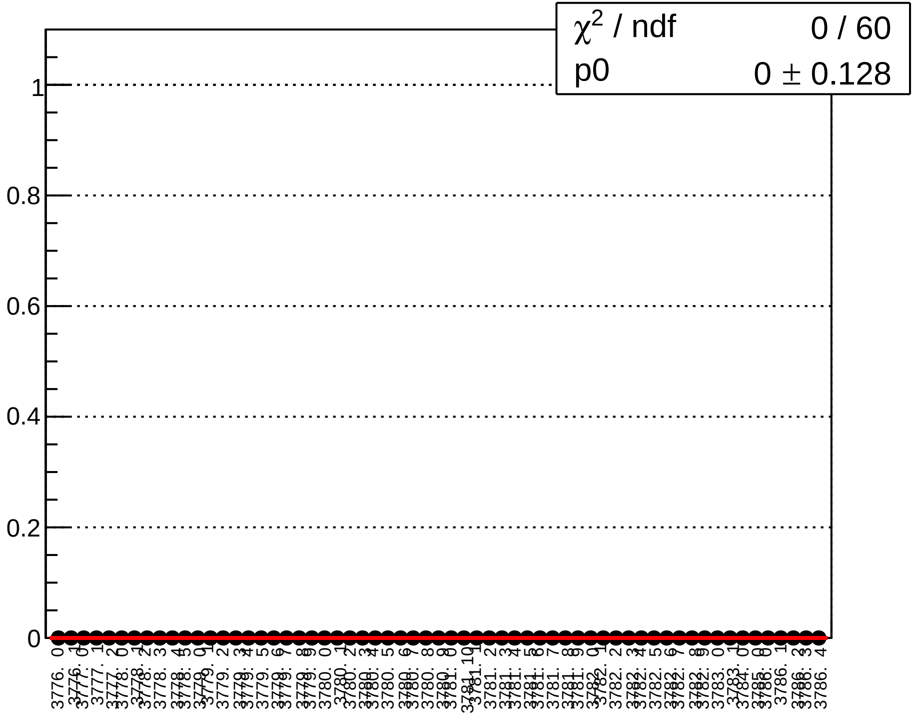

bcm_an_us_ds3_dd_rms vs run
χ2 / ndf 5.339e+04 / 60
p0 16.55 ± 0.01536

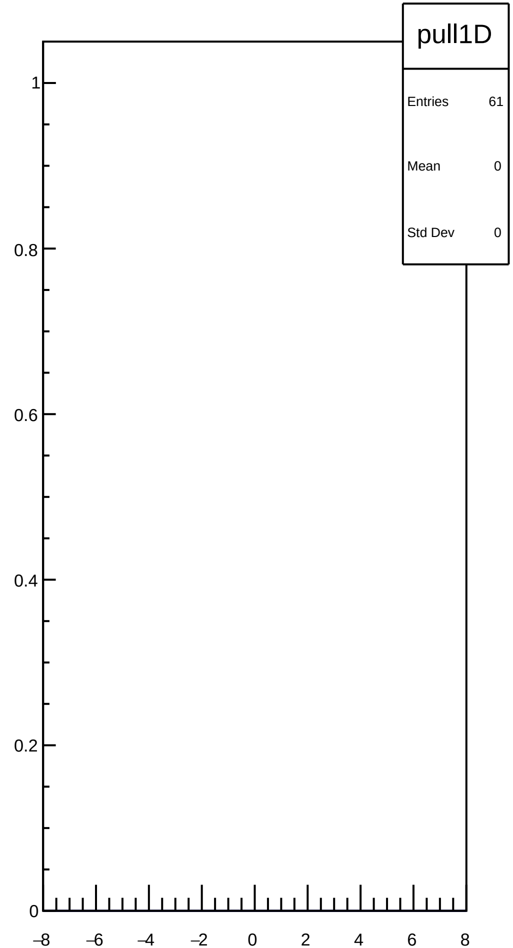

bcm_an_ds_ds3_avg_mean vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128
pull1D
Entries 61
Mean 0
Std Dev 0

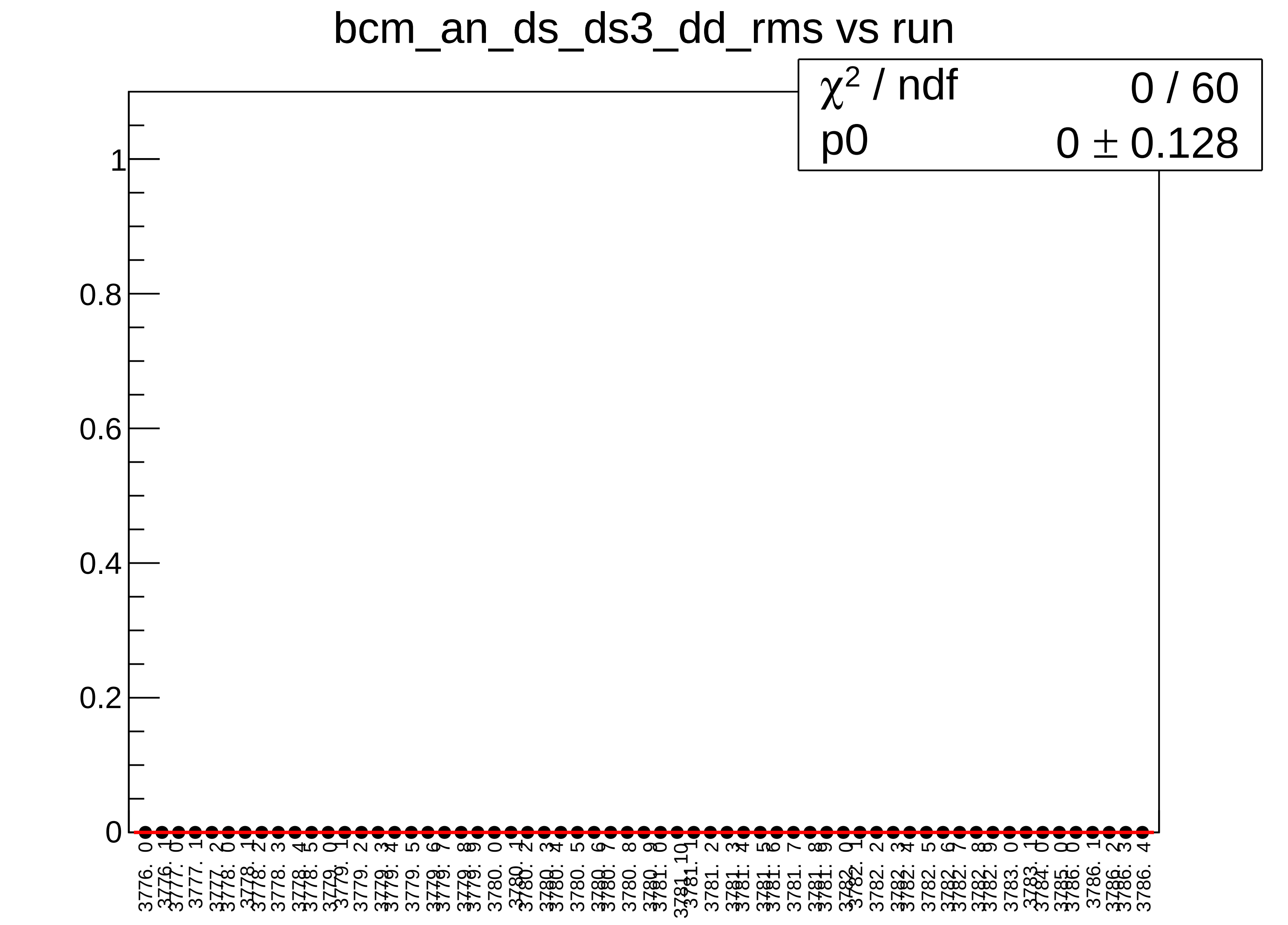


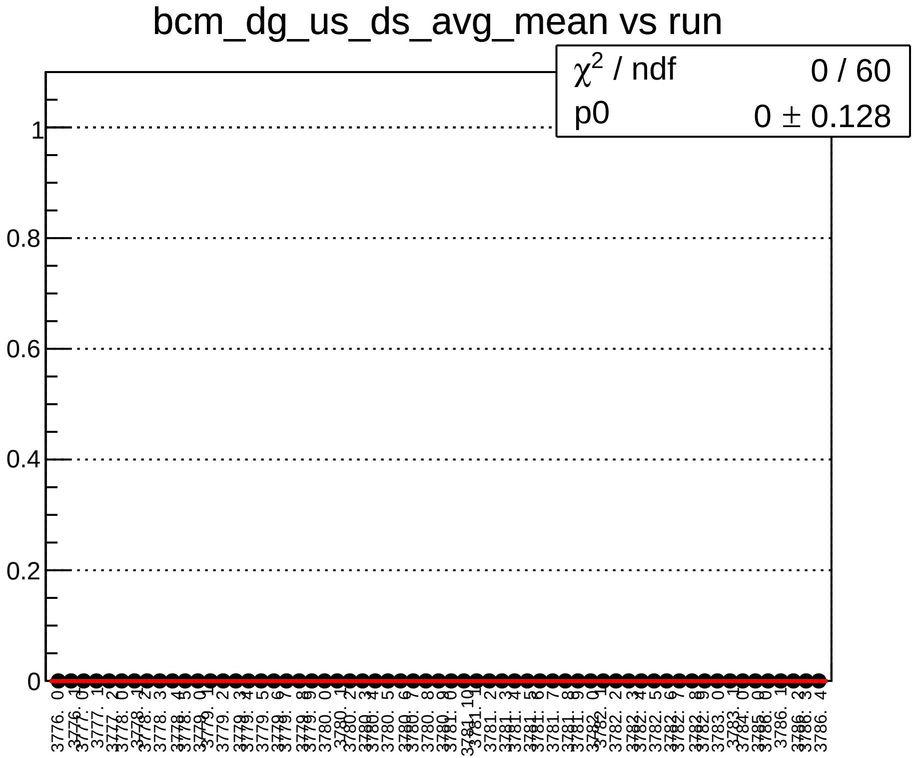
bcm_an_ds_ds3_avg_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128

bcm_an_ds_ds3_dd_mean vs run

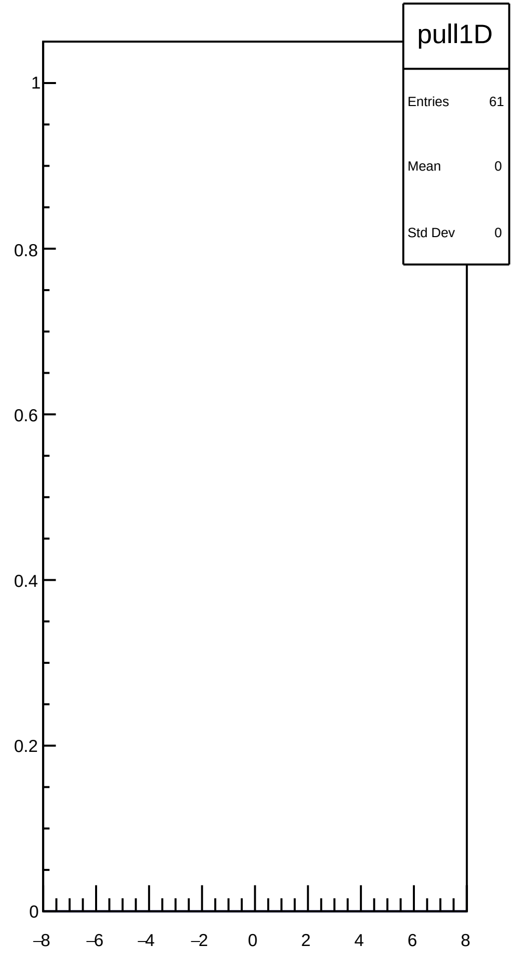




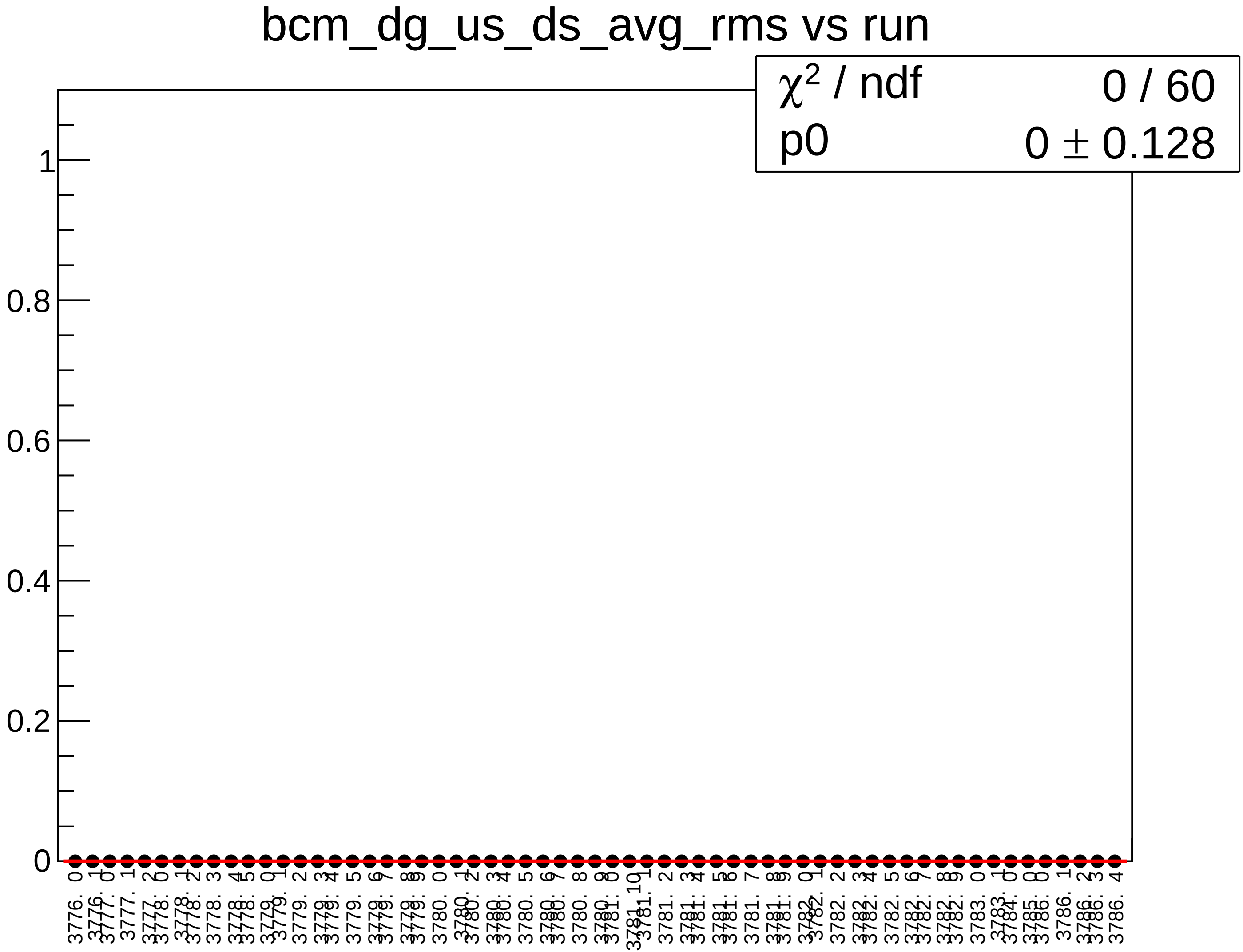

bcm_an_ds_ds3_dd_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0



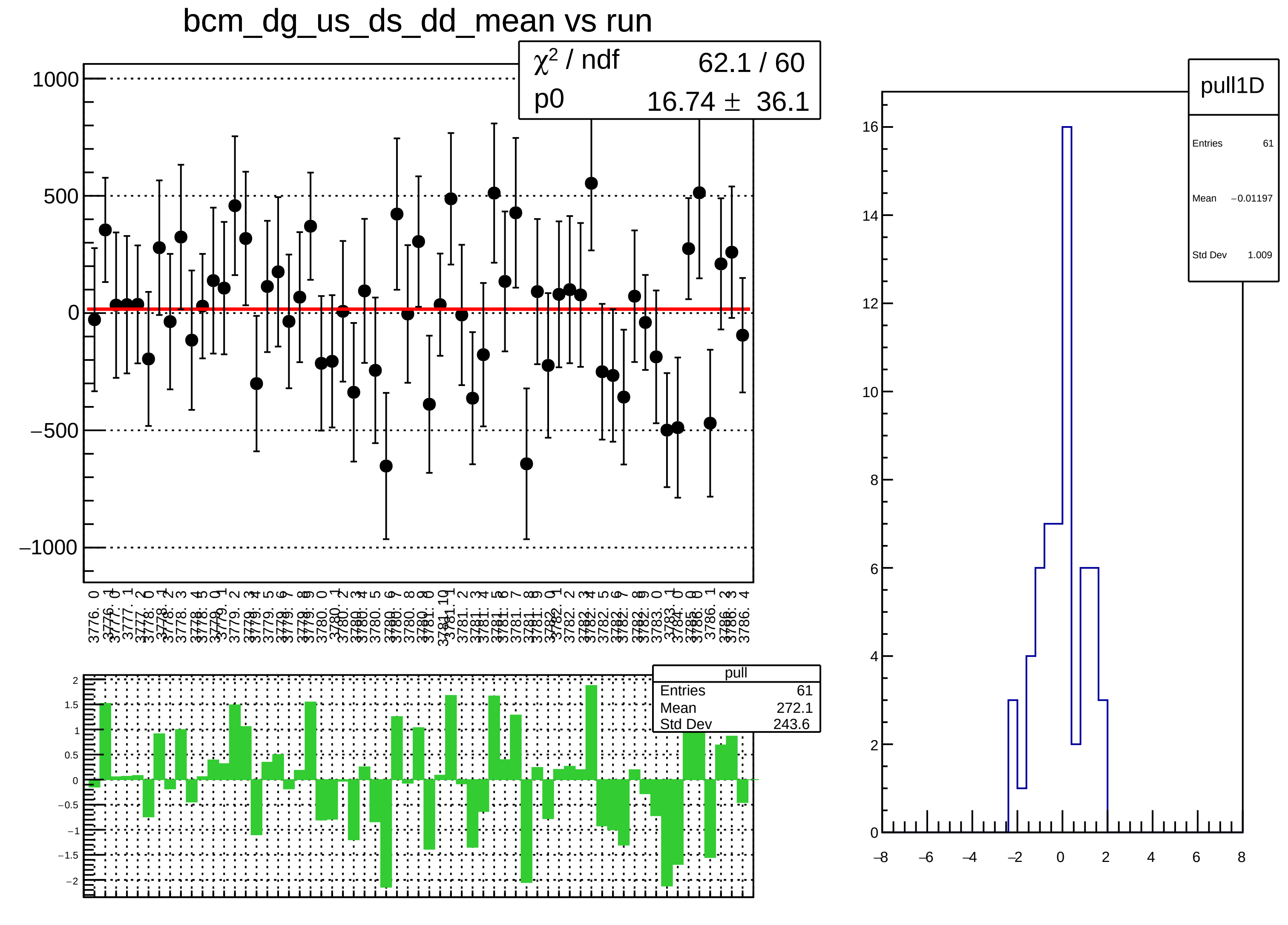
bcm_dg_us_ds_avg_mean vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128

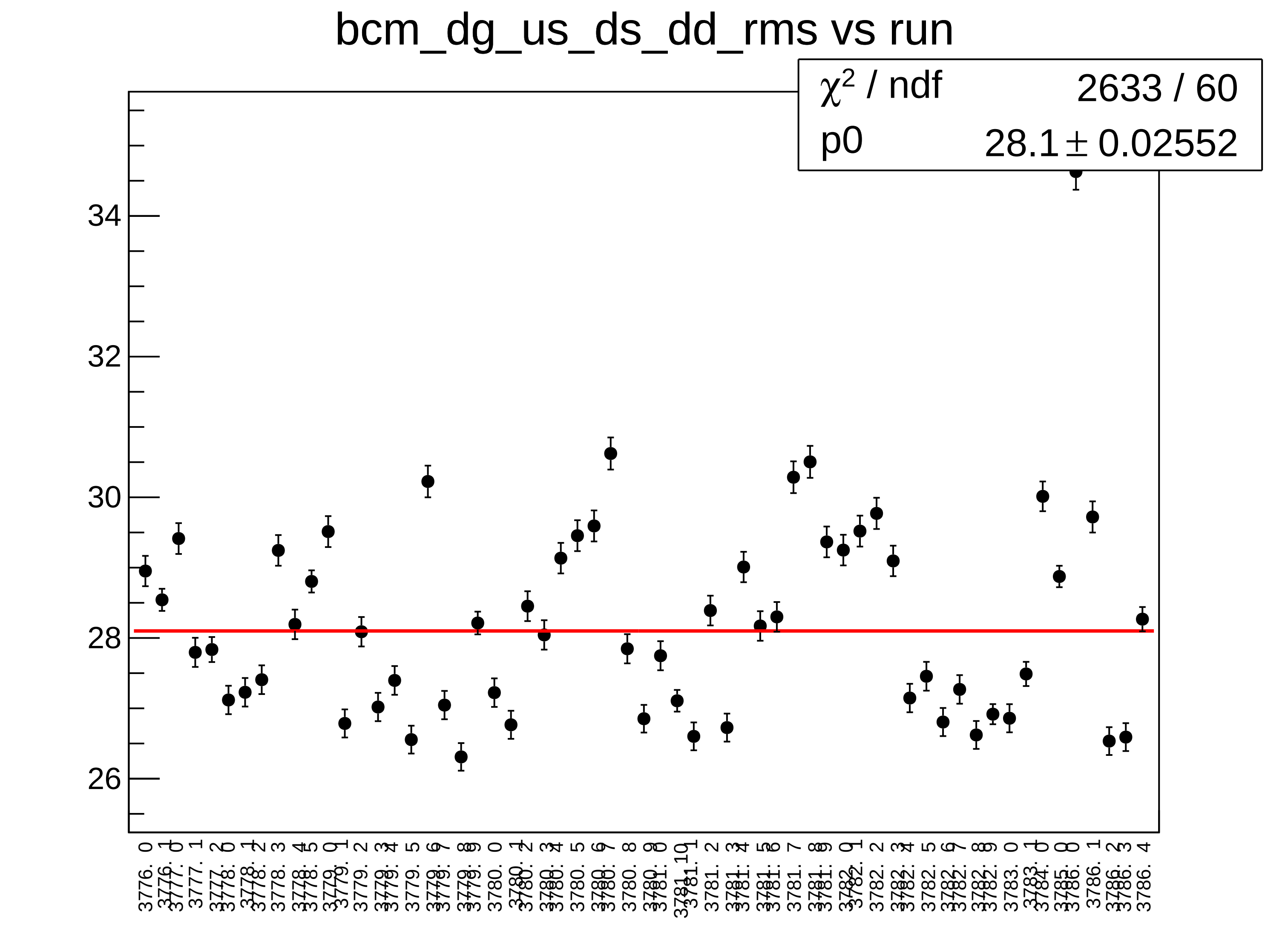


pull1D
Entries 61
Mean 0
Std Dev 0

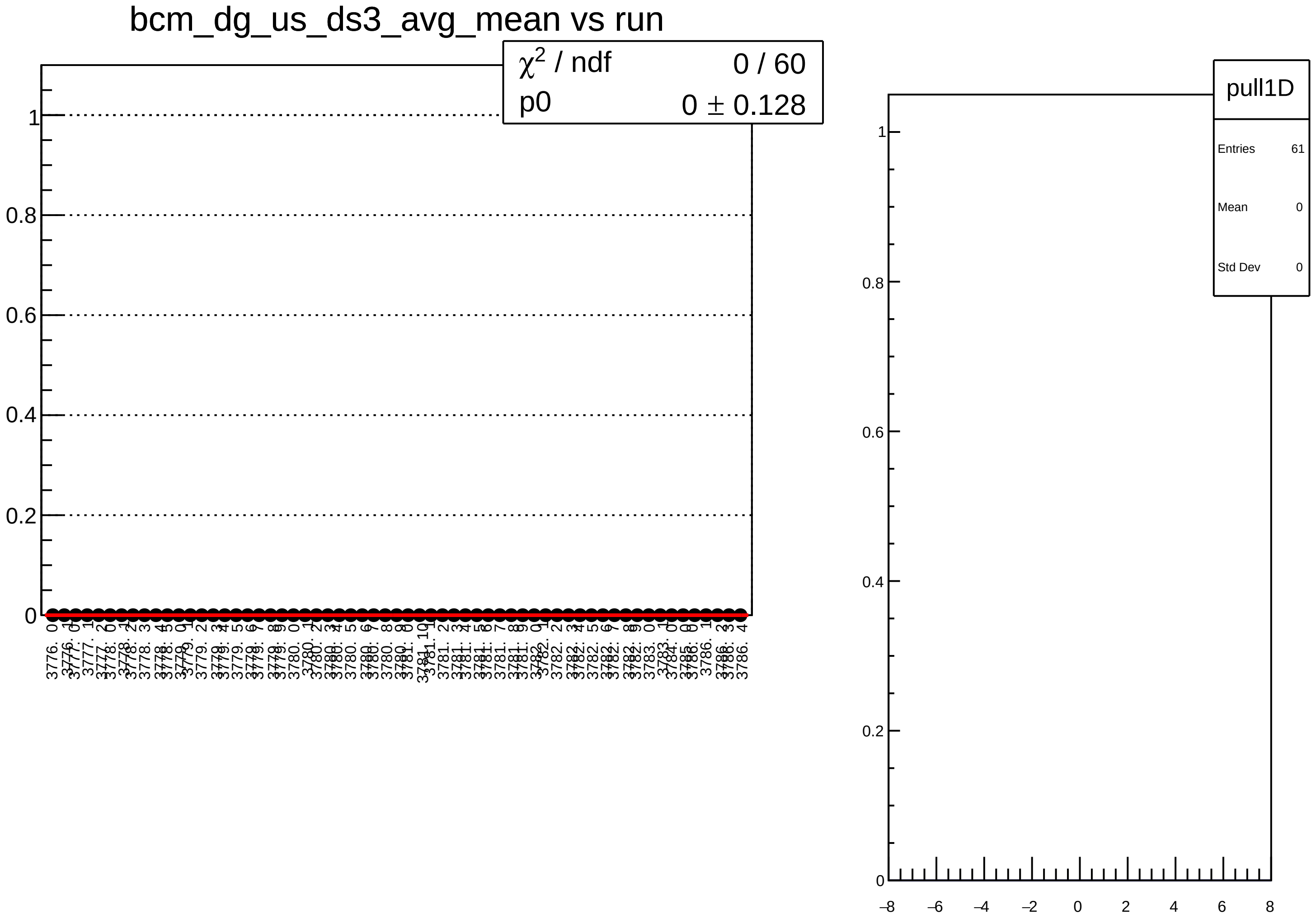


bcm_dg_us_ds_avg_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0

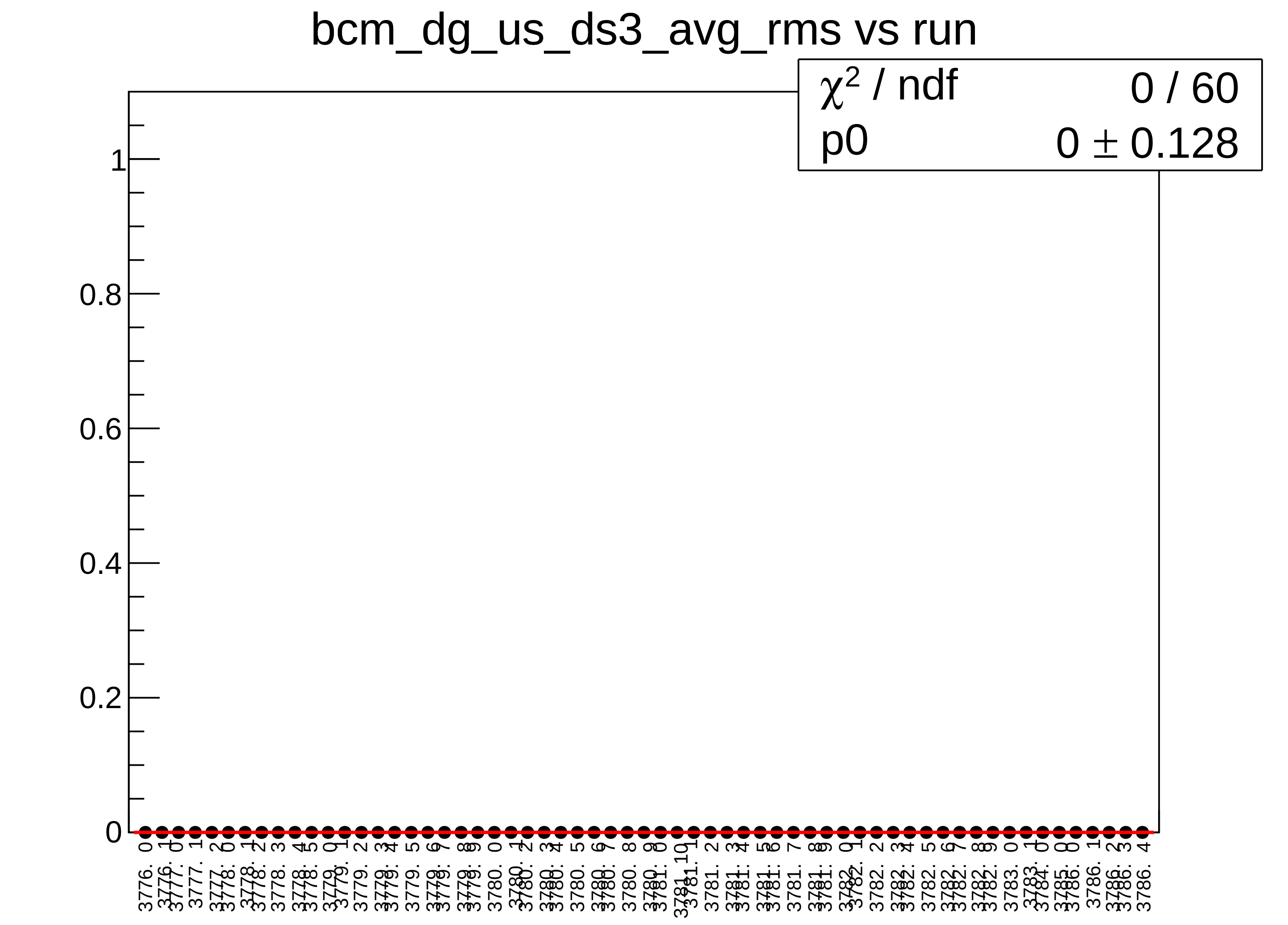

bcm_dg_us_ds_dd_mean vs run
χ^2 / ndf 62.1 / 60
p0 16.74 ± 36.1
pull
Entries 61
Mean 272.1
Std Dev 243.6
pull1D
Entries 61
Mean −0.01197
Std Dev 1.009

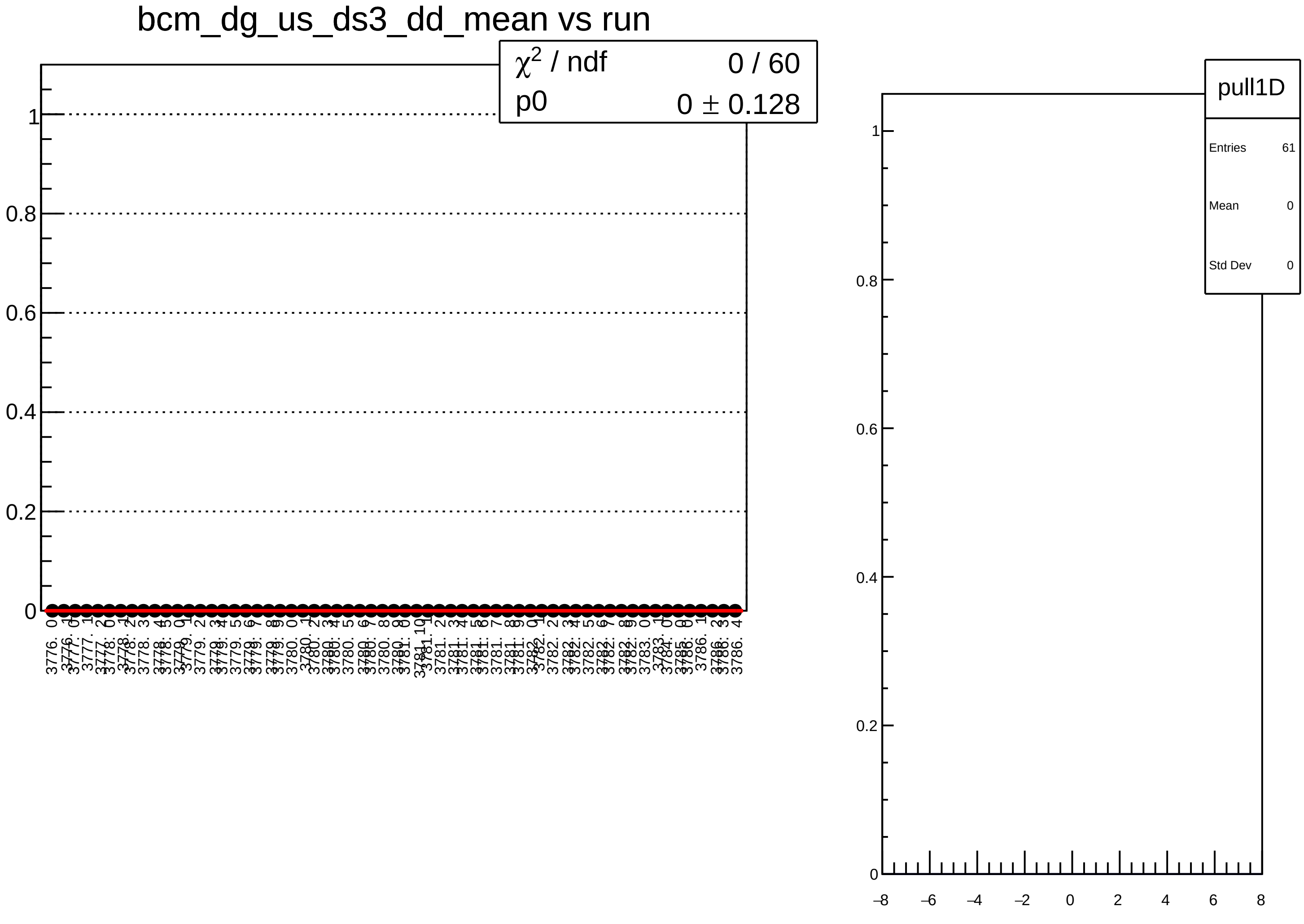


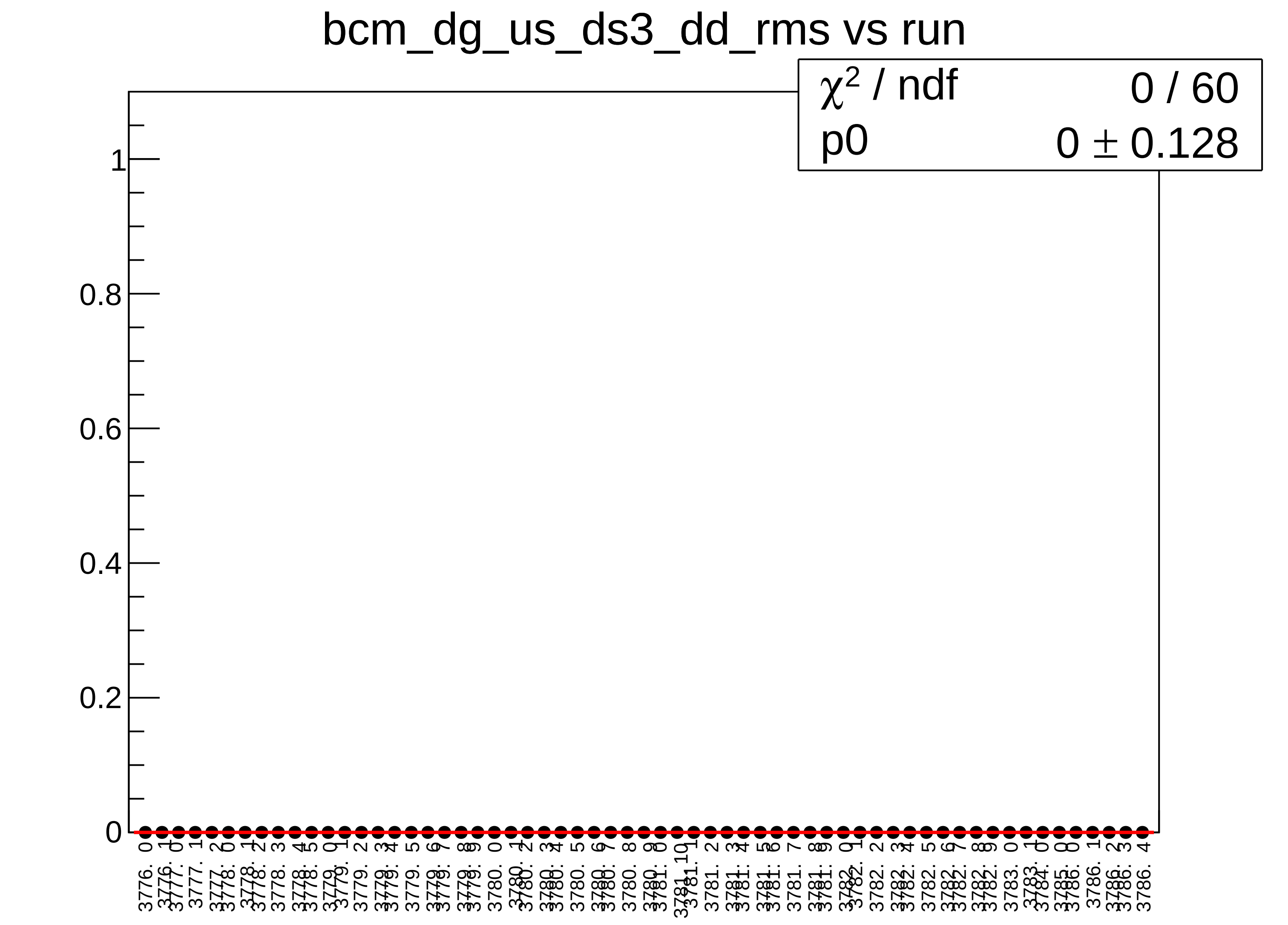
bcm_dg_us_ds_dd_rms vs run
χ2 / ndf 2633 / 60
p0 28.1 ± 0.02552
34
32
30
28
26



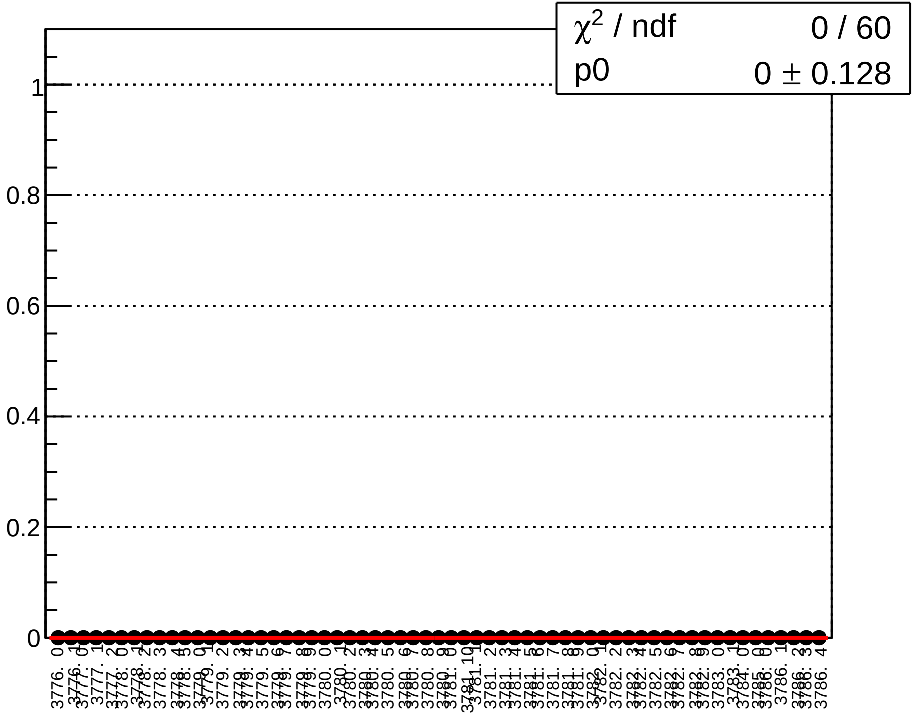
bcm_dg_us_ds3_avg_mean vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
pull1D
Entries 61
Mean 0
Std Dev 0

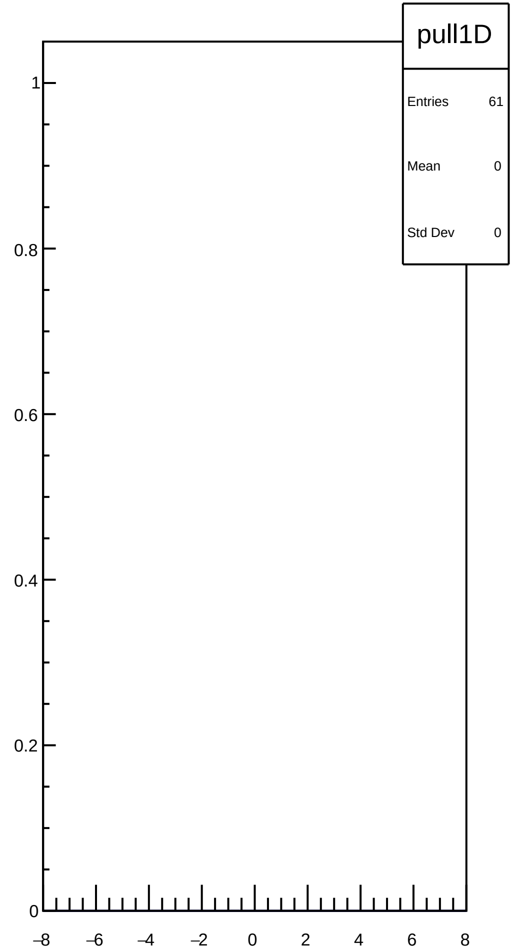

bcm_dg_us_ds3_avg_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
0
0.2
0.4
0.6
0.8
1

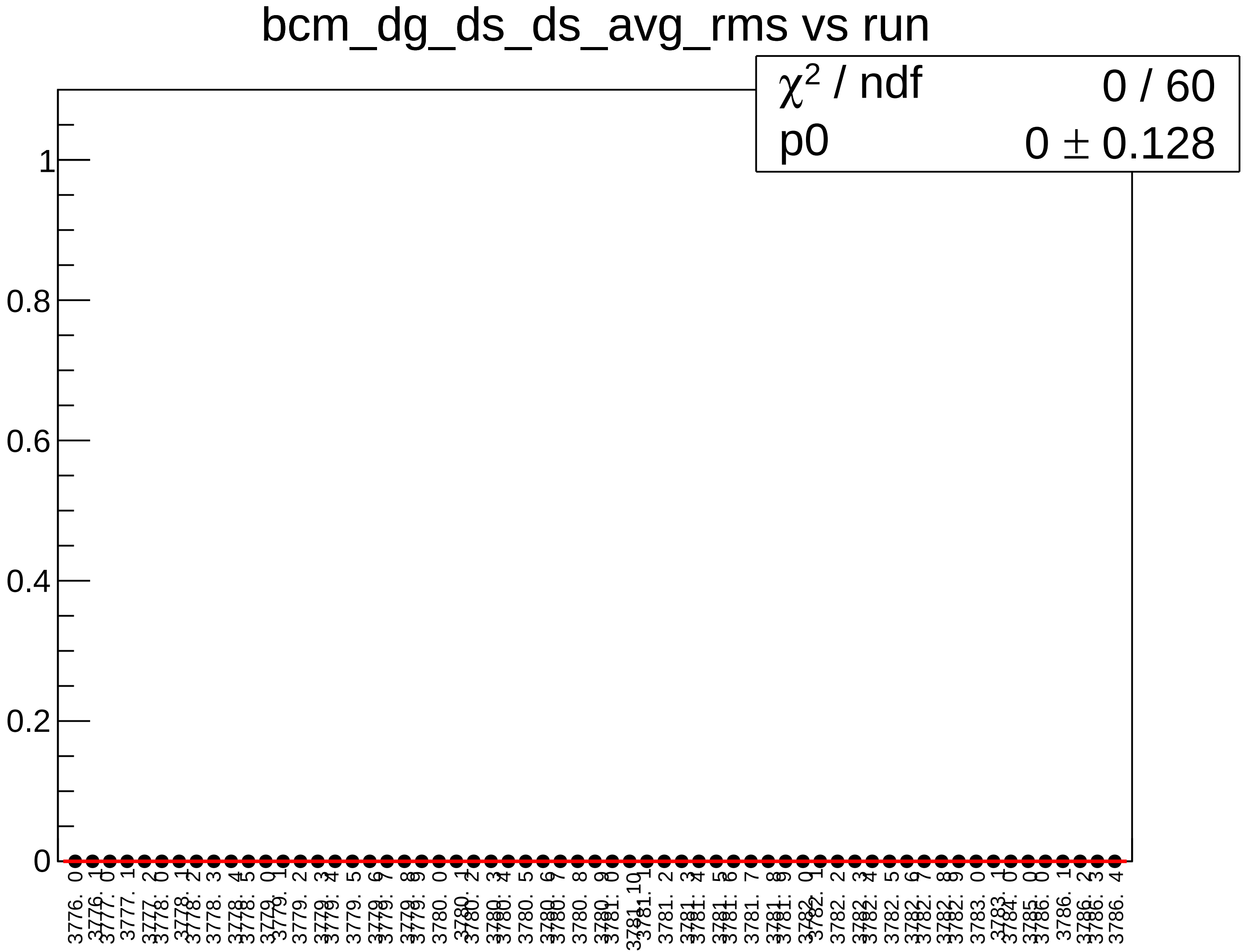

bcm_dg_us_ds3_dd_mean vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
pull1D
Entries 61
Mean 0
Std Dev 0

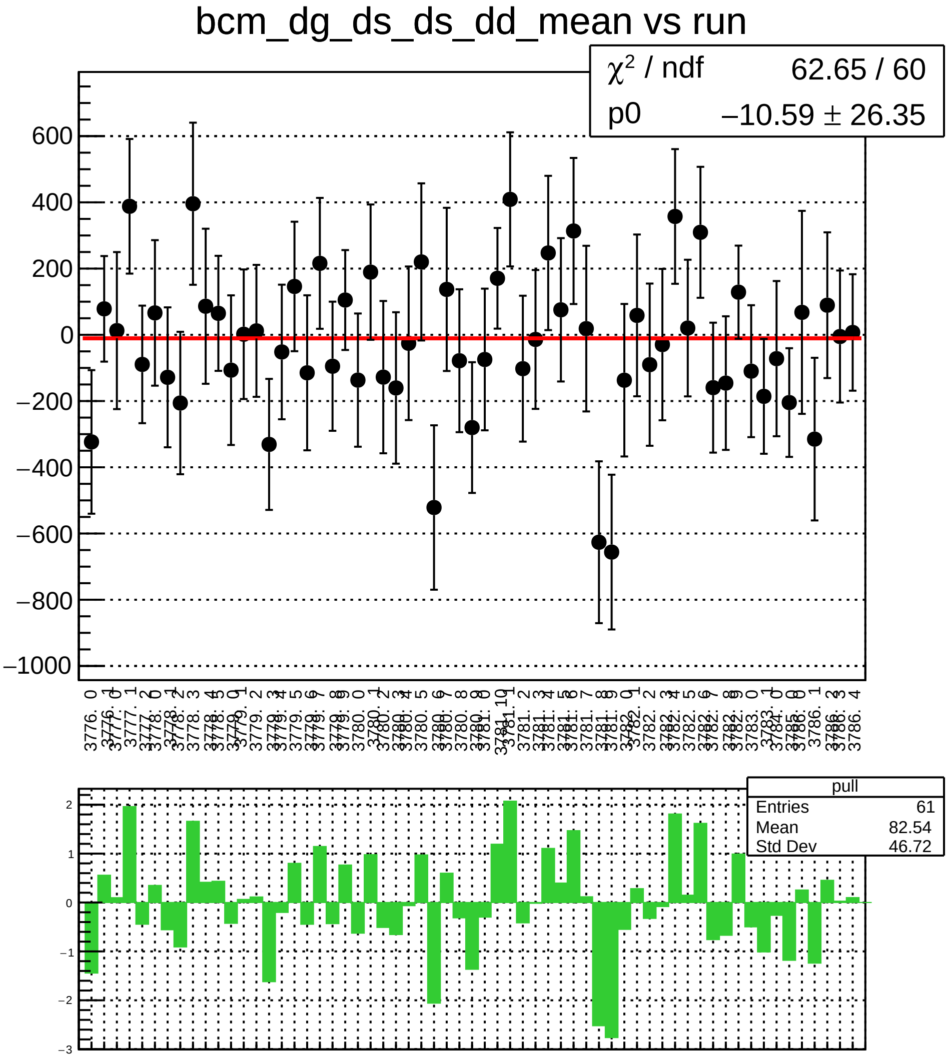

bcm_dg_us_ds3_dd_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128

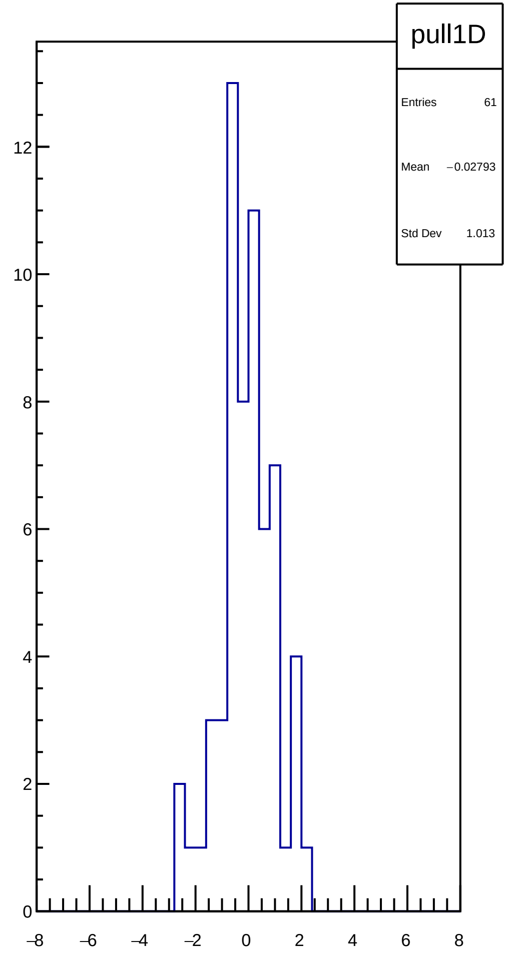
bcm_dg_ds_ds_avg_mean vs run

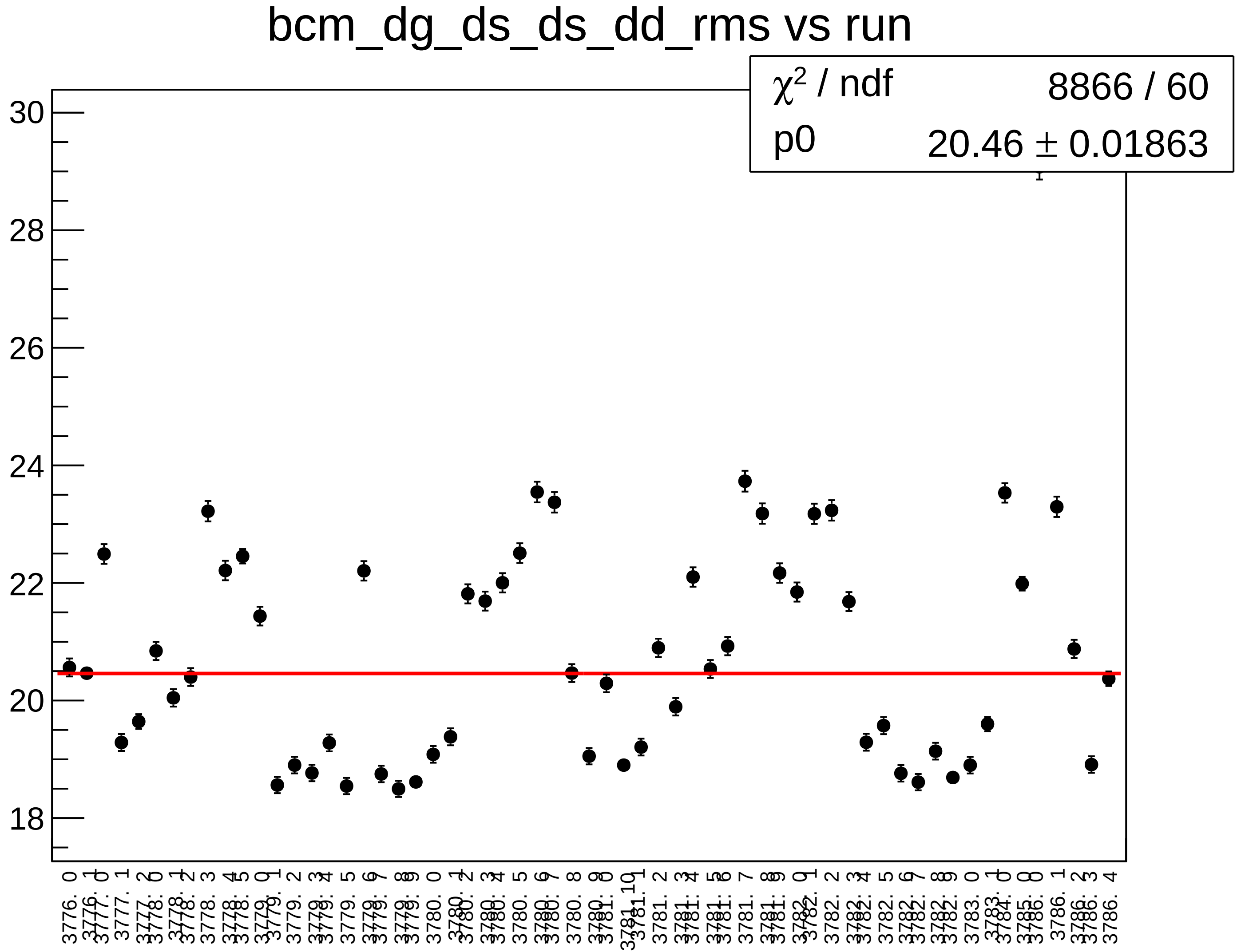




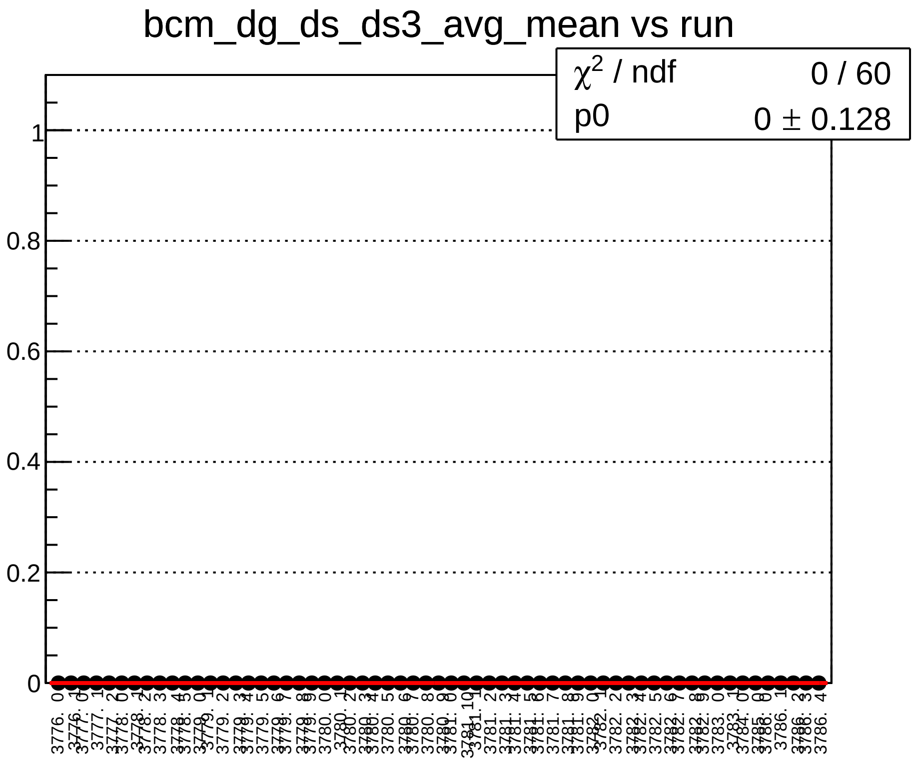

bcm_dg_ds_ds_avg_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128

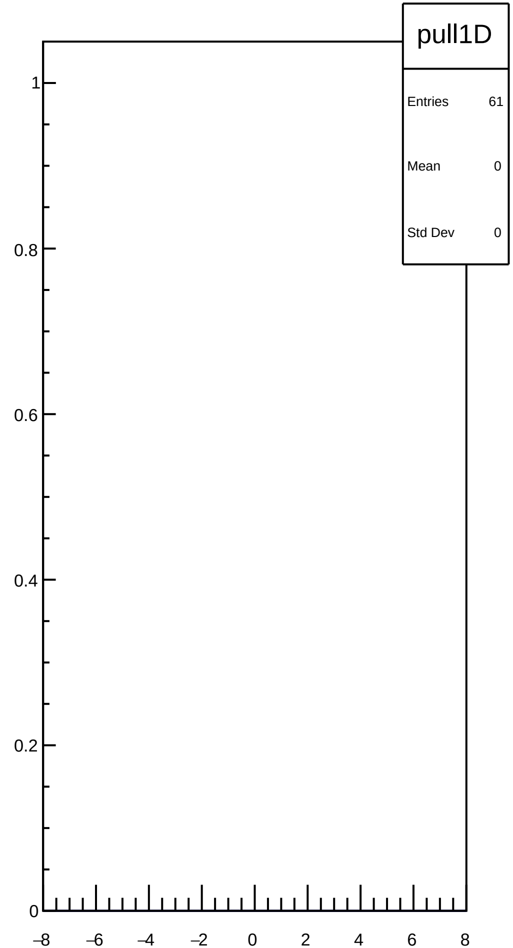

bcm_dg_ds_ds_dd_mean vs run
χ^2 / ndf 62.65 / 60
p0 −10.59 ± 26.35
pull
Entries 61
Mean 82.54
Std Dev 46.72

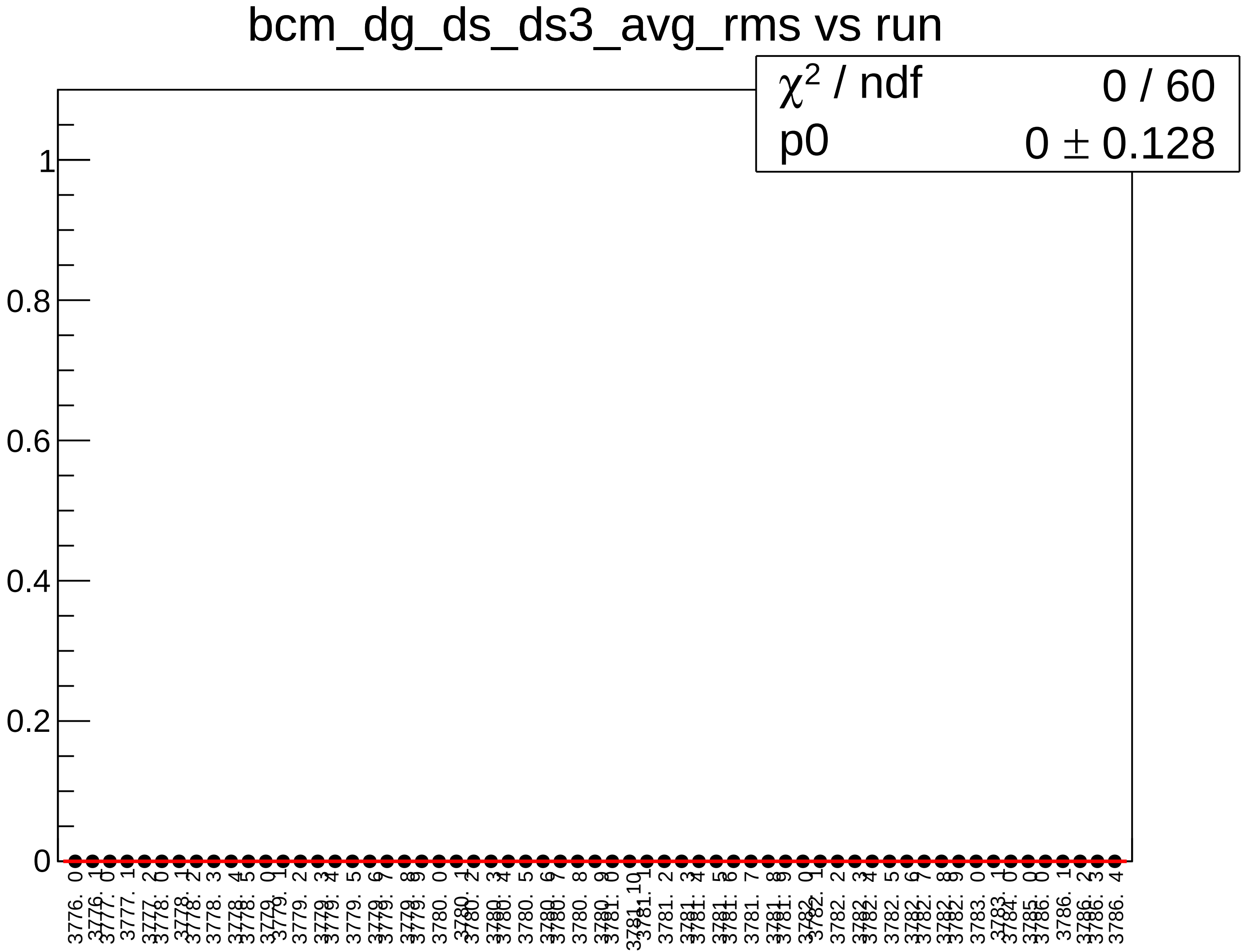

pull1D
Entries 61
Mean −0.02793
Std Dev 1.013

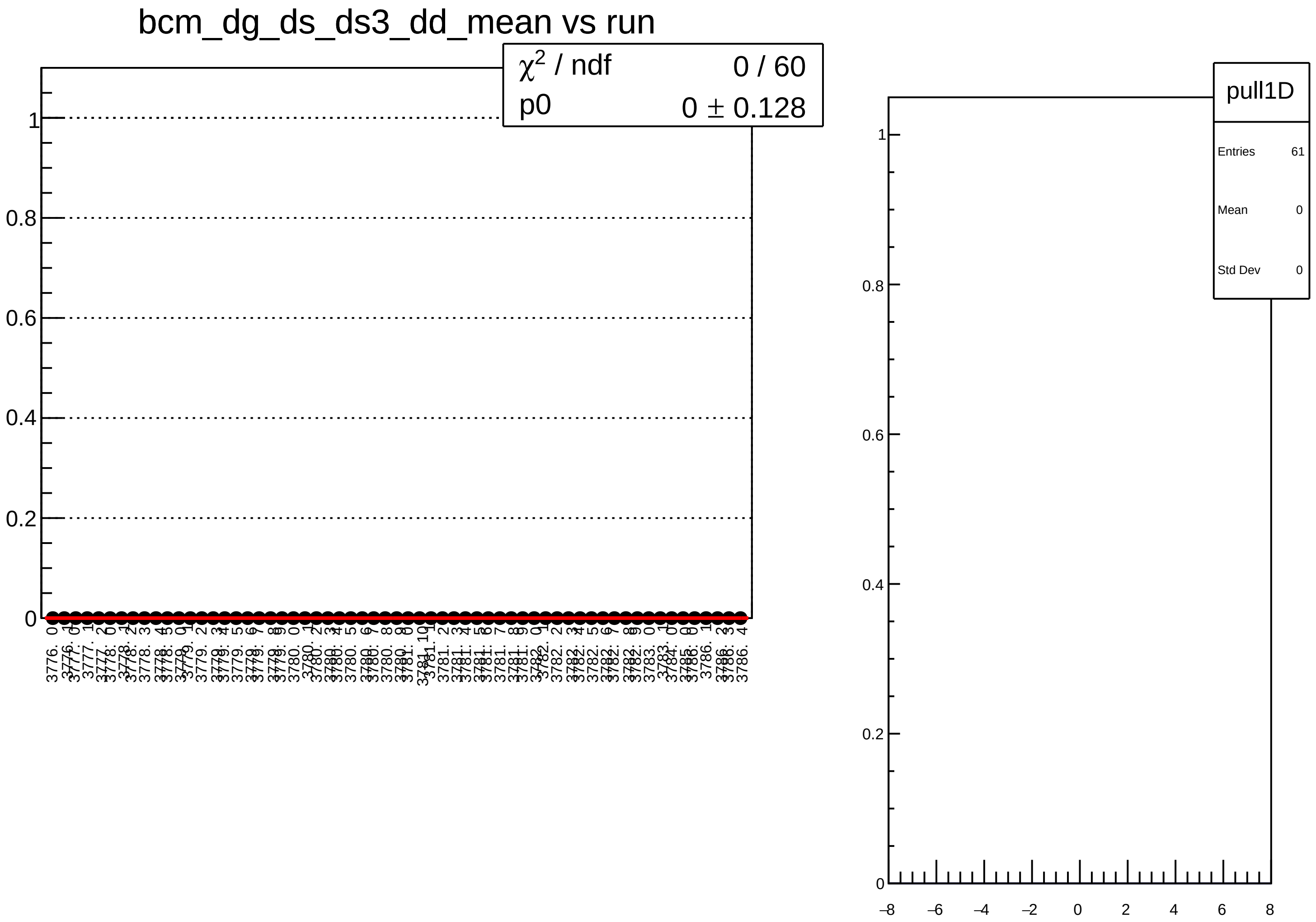


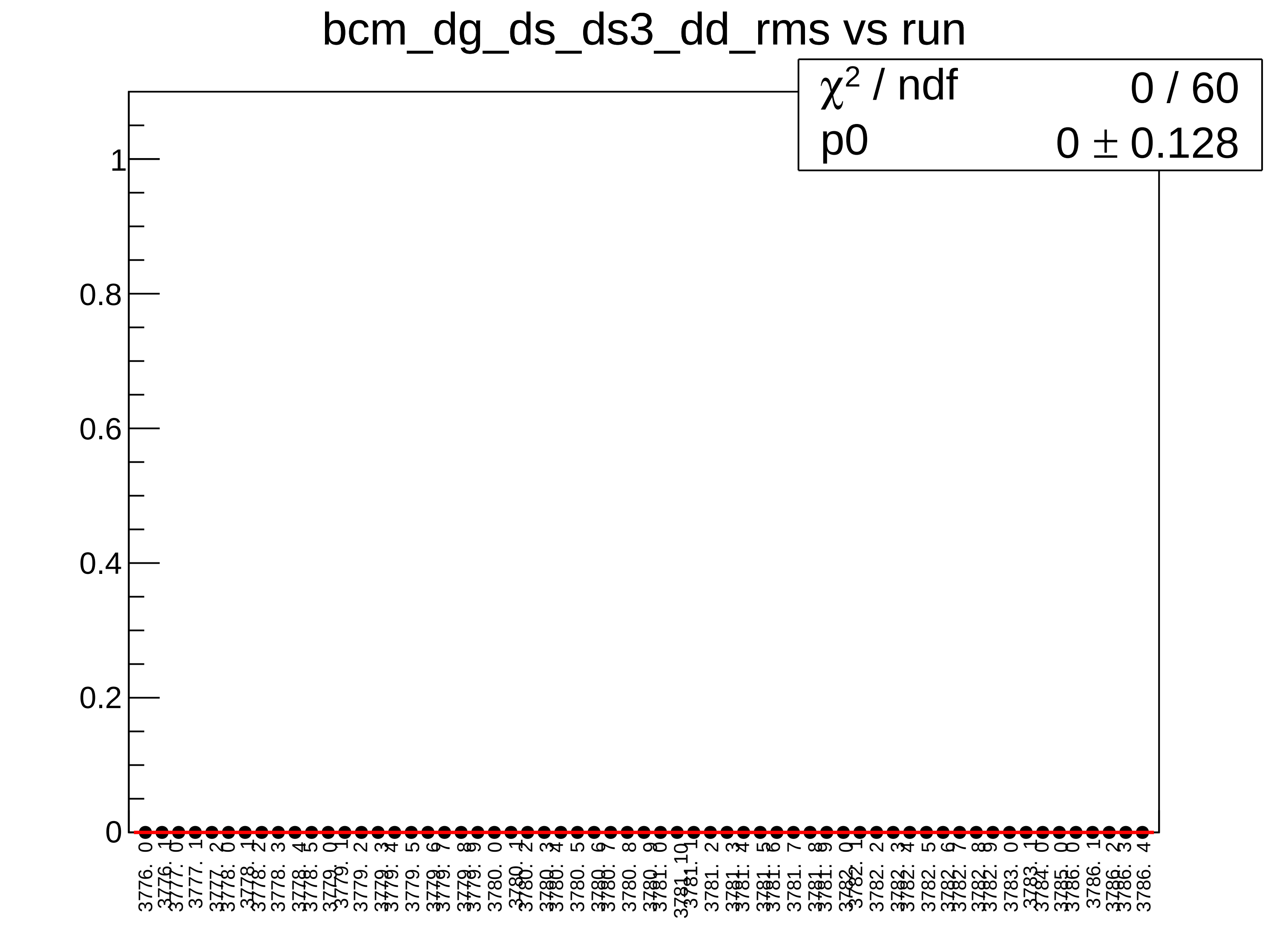
bcm_dg_ds_ds_dd_rms vs run
χ^2 / ndf 8866 / 60
p0 20.46 ± 0.01863
30
28
26
24
22
20
18

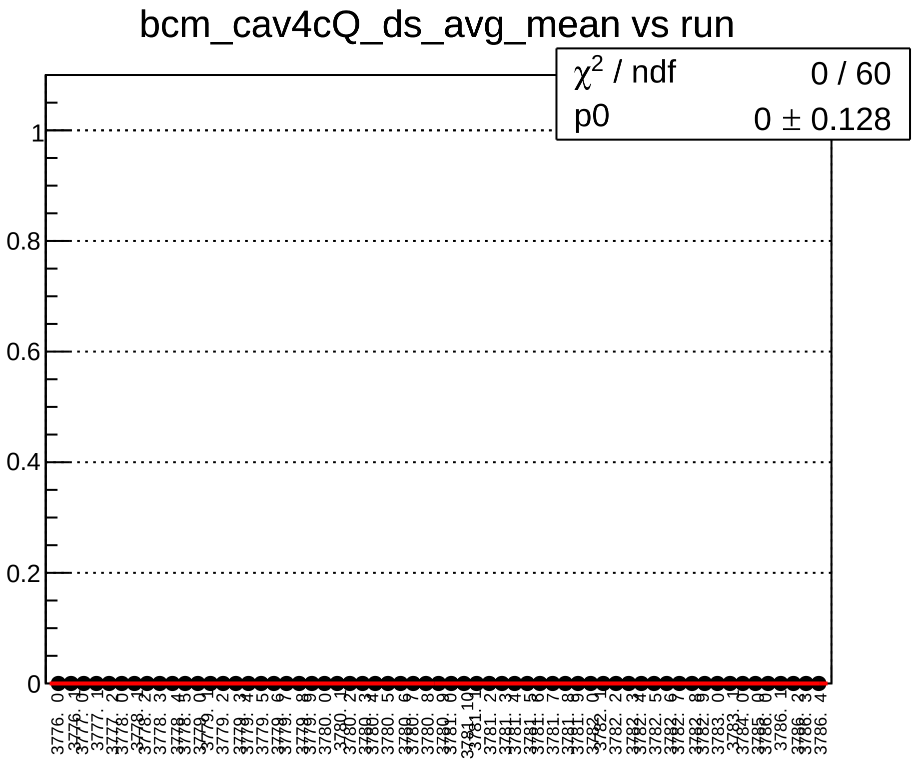

bcm_dg_ds_ds3_avg_mean vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0

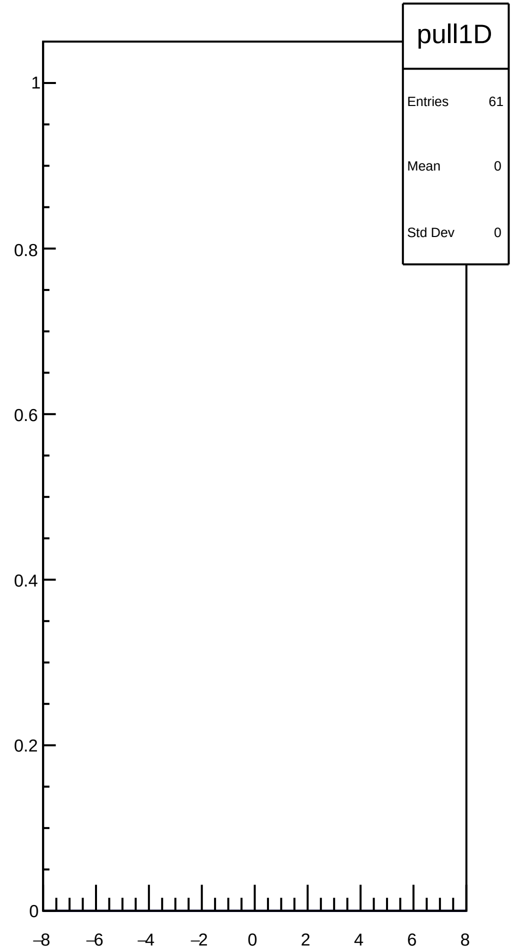

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

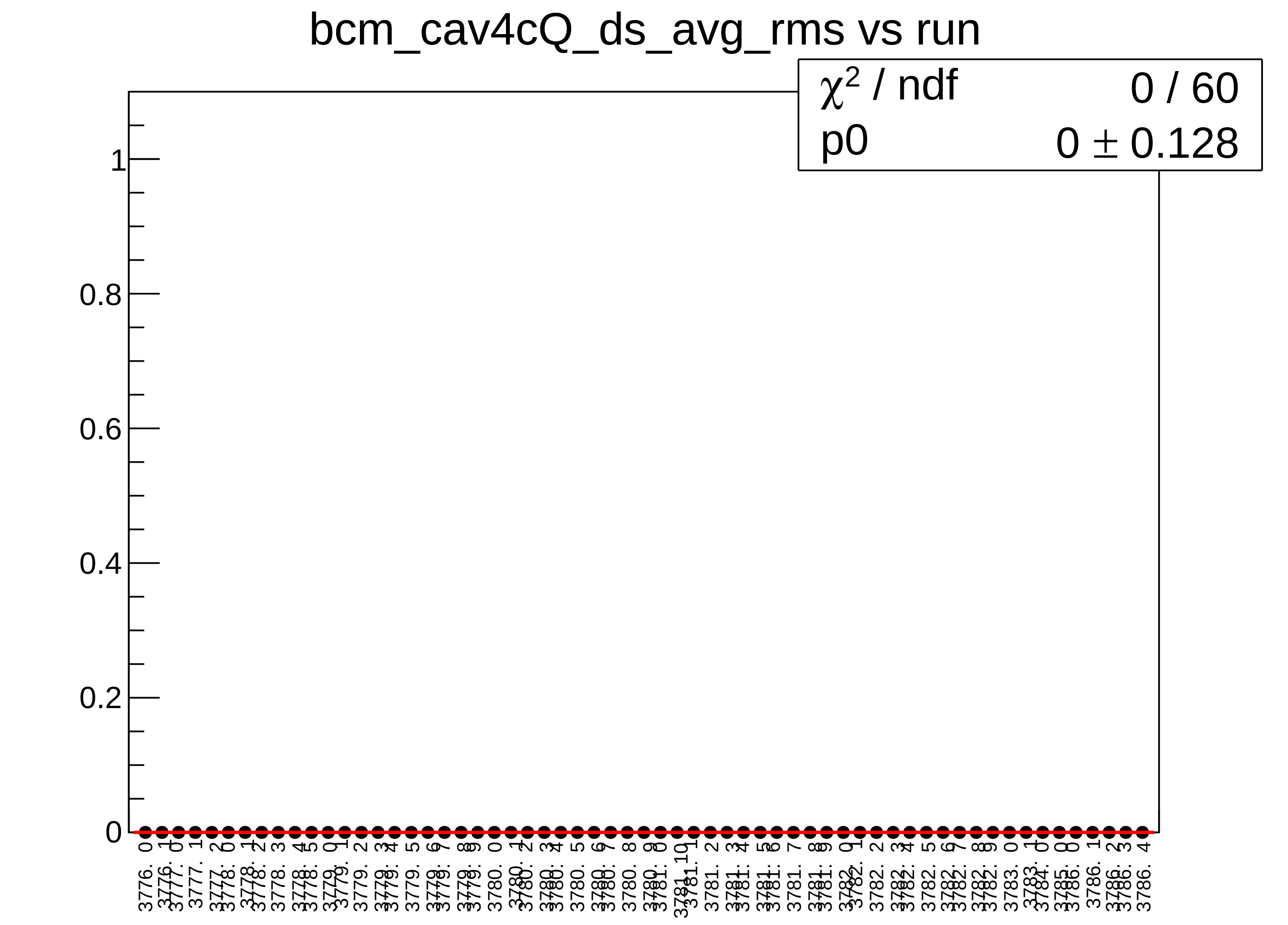

bcm_dg_ds_ds3_avg_rms vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128
0
0.2
0.4
0.6
0.8
1

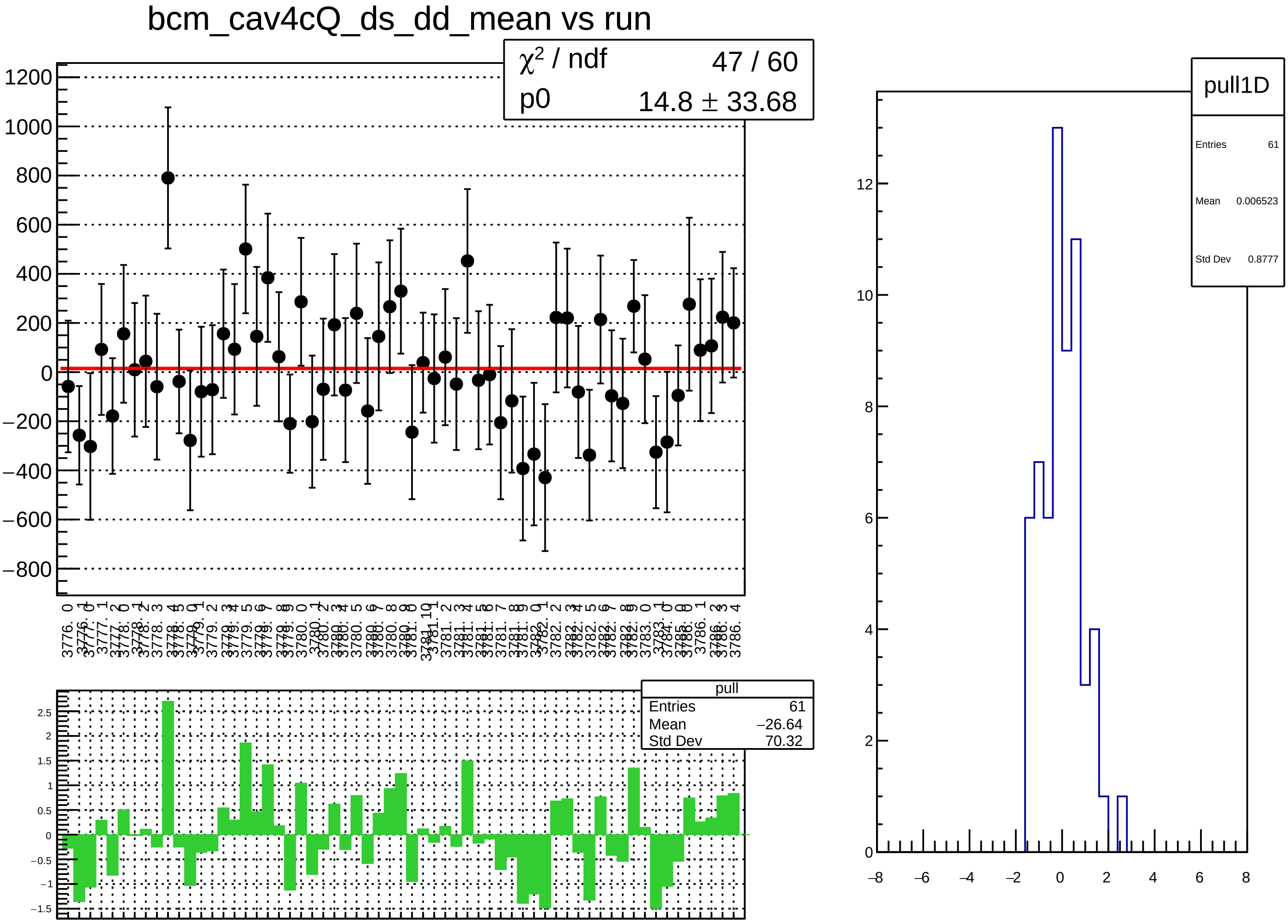

bcm_dg_ds_ds3_dd_mean vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
0
0.2
0.4
0.6
0.8
1
pull1D
Entries 61
Mean 0
Std Dev 0
–8
–6
–4
–2
0
2
4
6
8


bcm_dg_ds_ds3_dd_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0

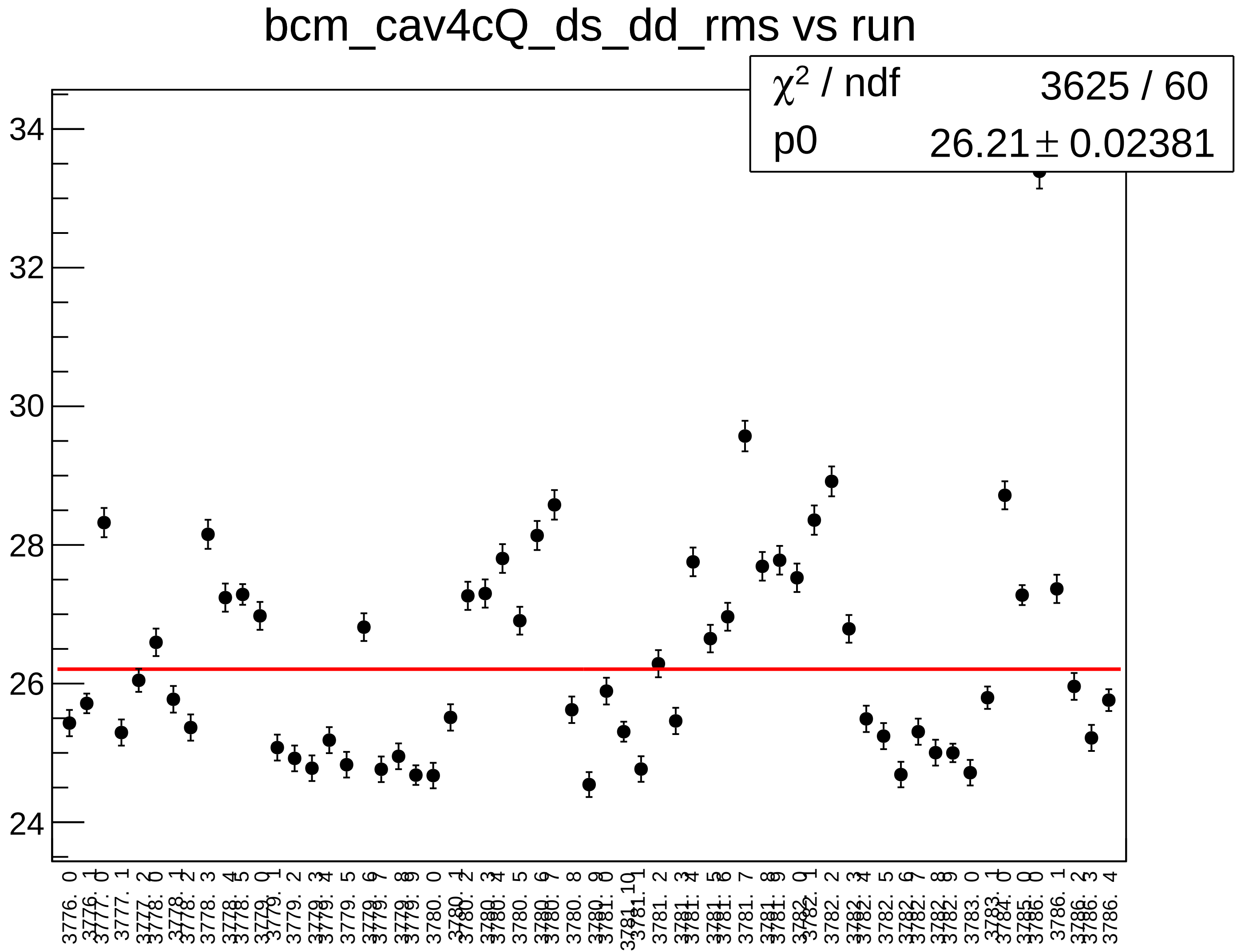

bcm_cav4cQ_ds_avg_mean vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8 –6 –4 –2 0 2 4 6 8


bcm_cav4cQ_ds_avg_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
0
0.2
0.4
0.6
0.8
1

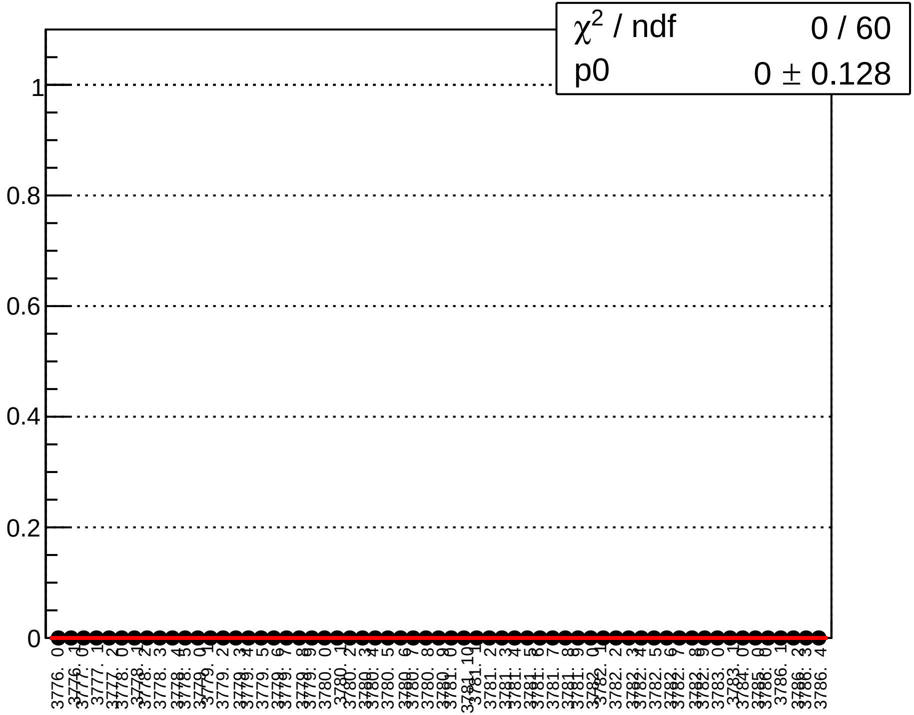


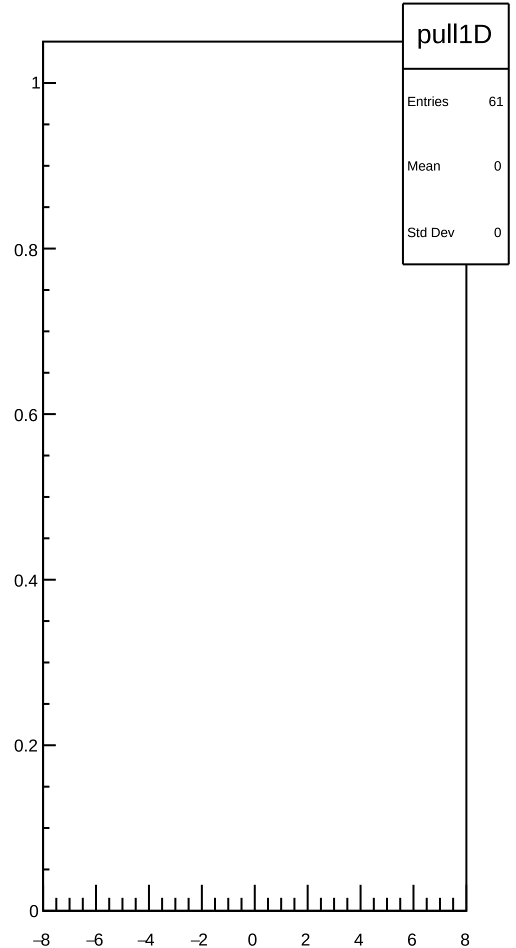
bcm_cav4cQ_ds_dd_mean vs run
χ^2 / ndf 47 / 60
p0 14.8 ± 33.68
pull
Entries 61
Mean −26.64
Std Dev 70.32
pull1D
Entries 61
Mean 0.006523
Std Dev 0.8777

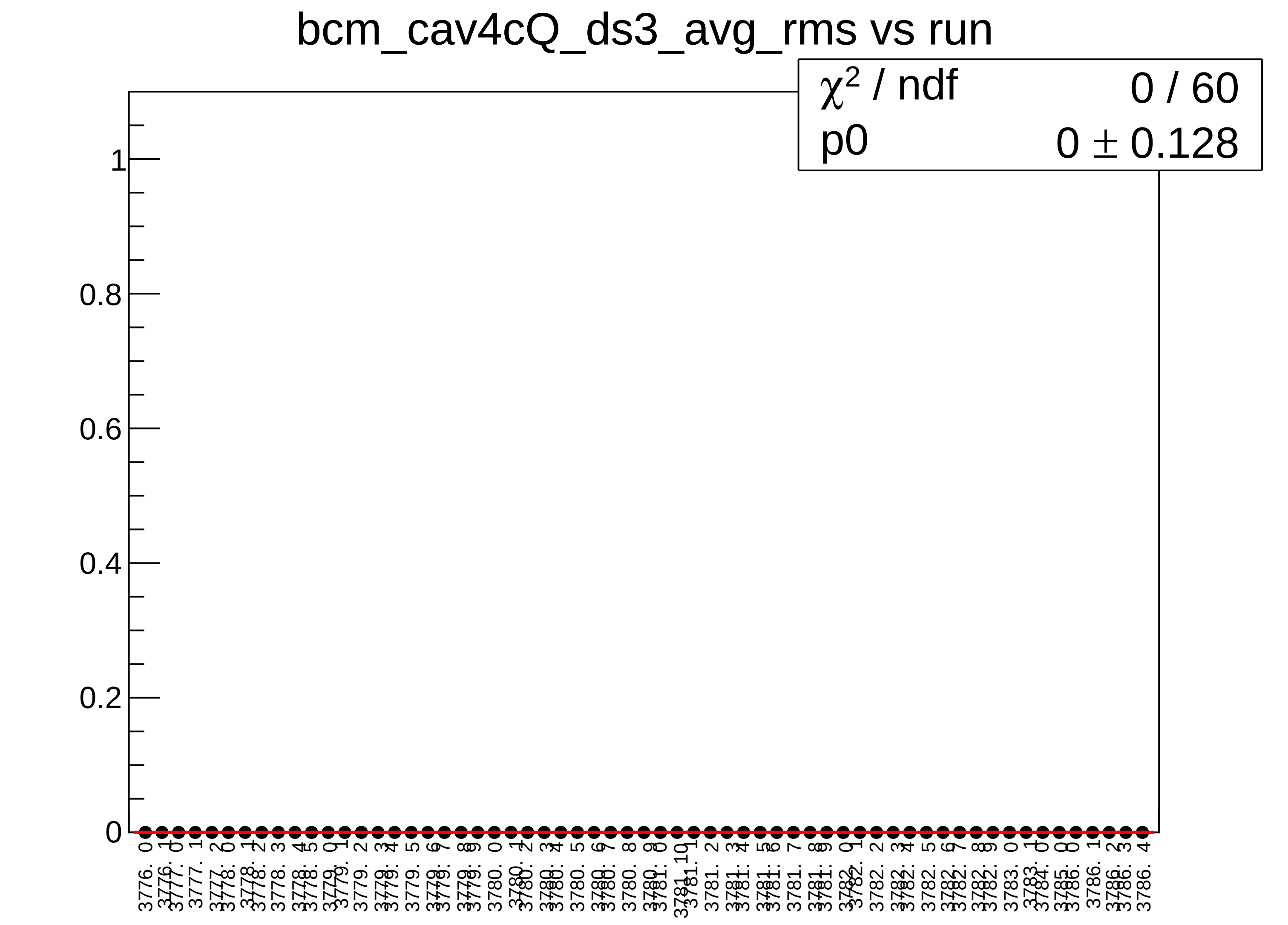


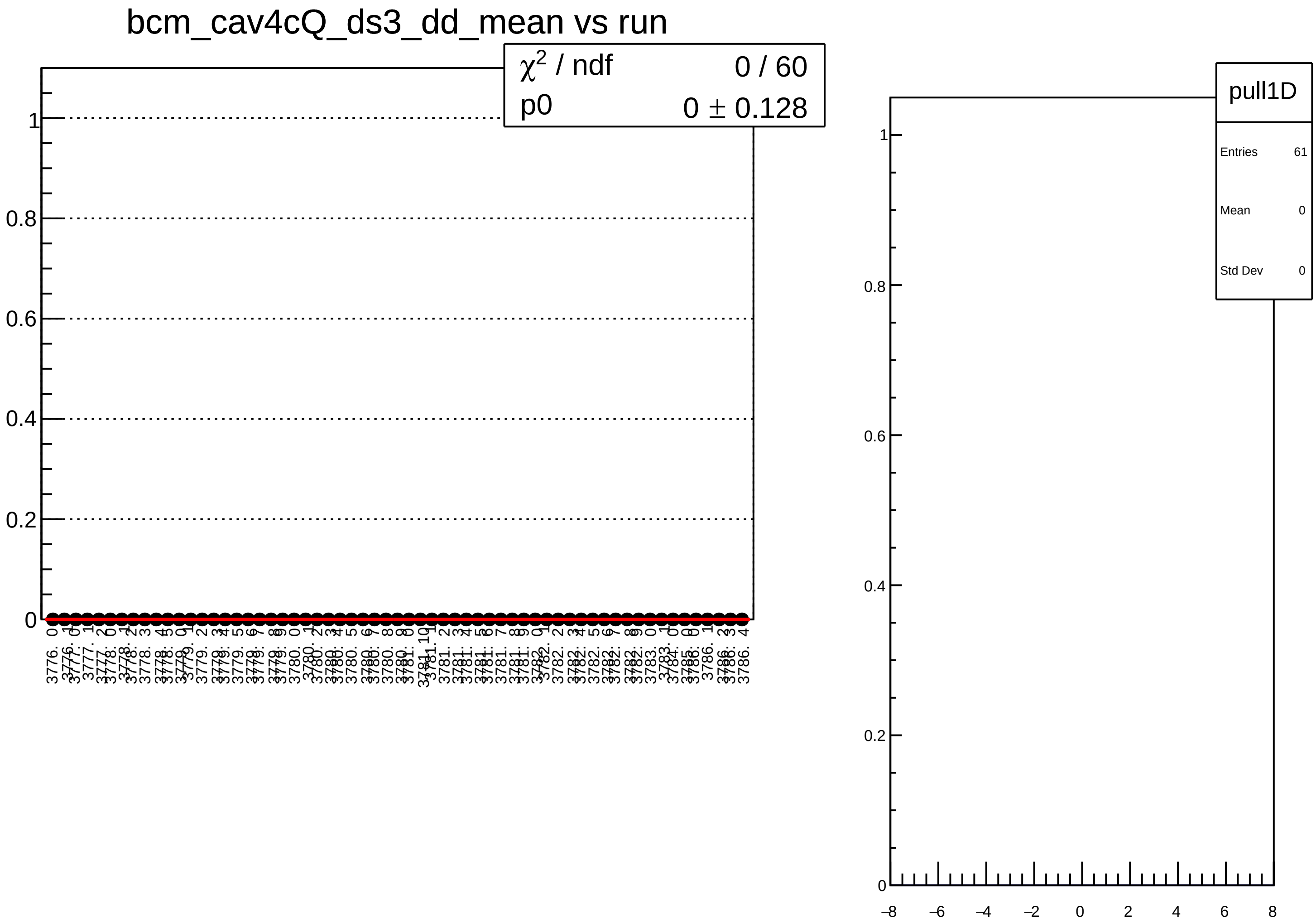
bcm_cav4cQ_ds_dd_rms vs run
χ^2 / ndf 3625 / 60
p0 26.21 ± 0.02381
34
32
30
28
26
24

bcm_cav4cQ_ds3_avg_mean vs run

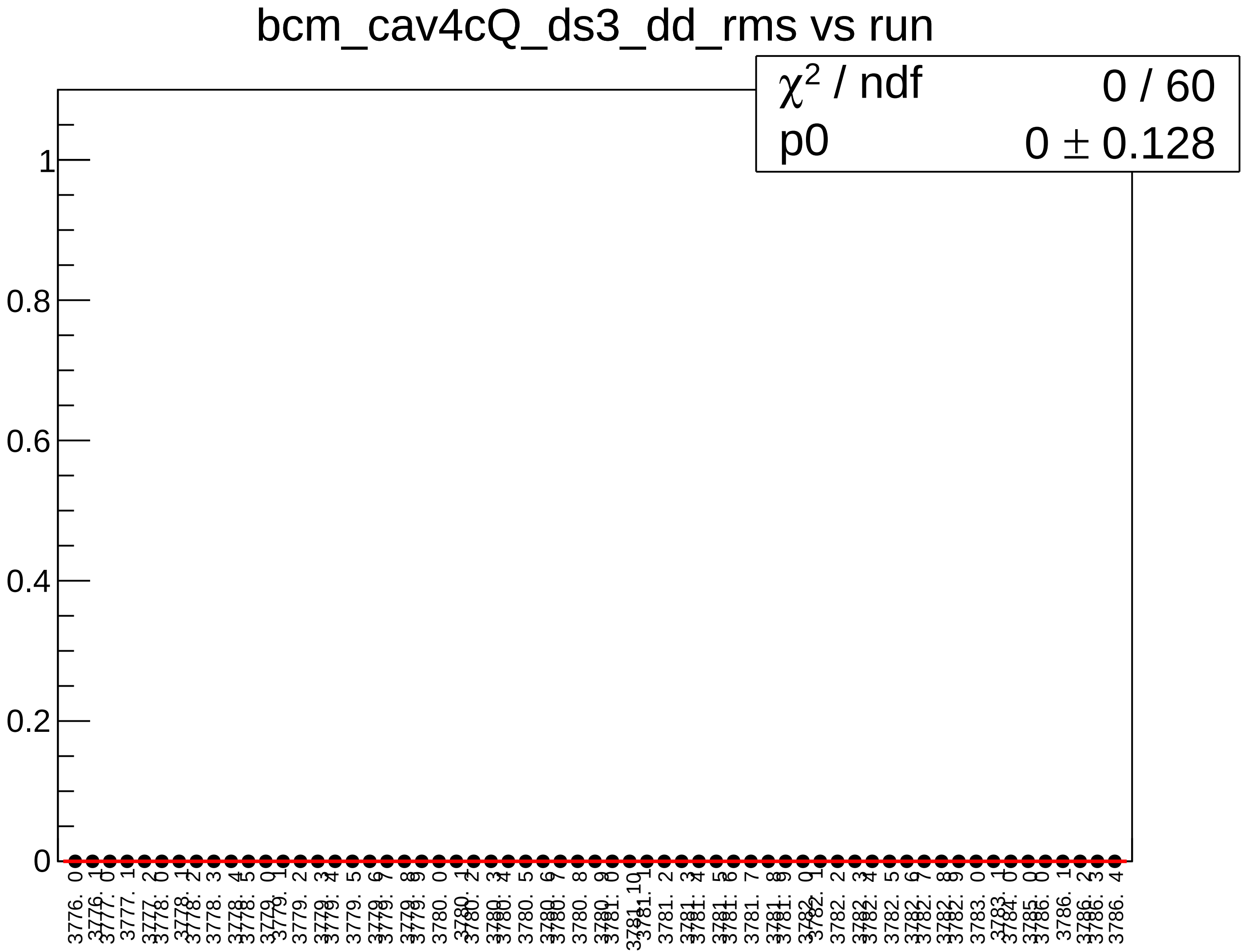


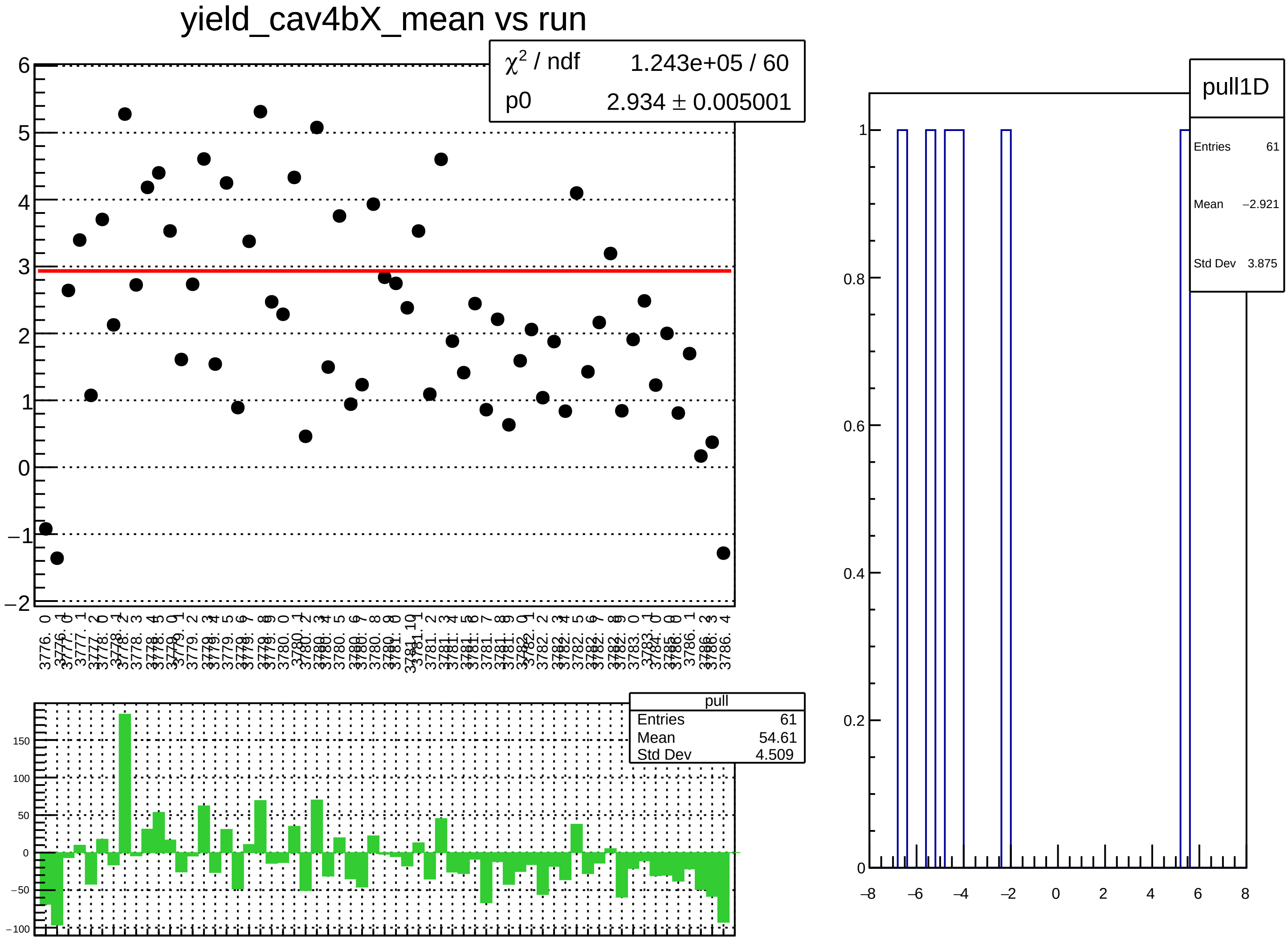



bcm_cav4cQ_ds3_avg_rms vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0

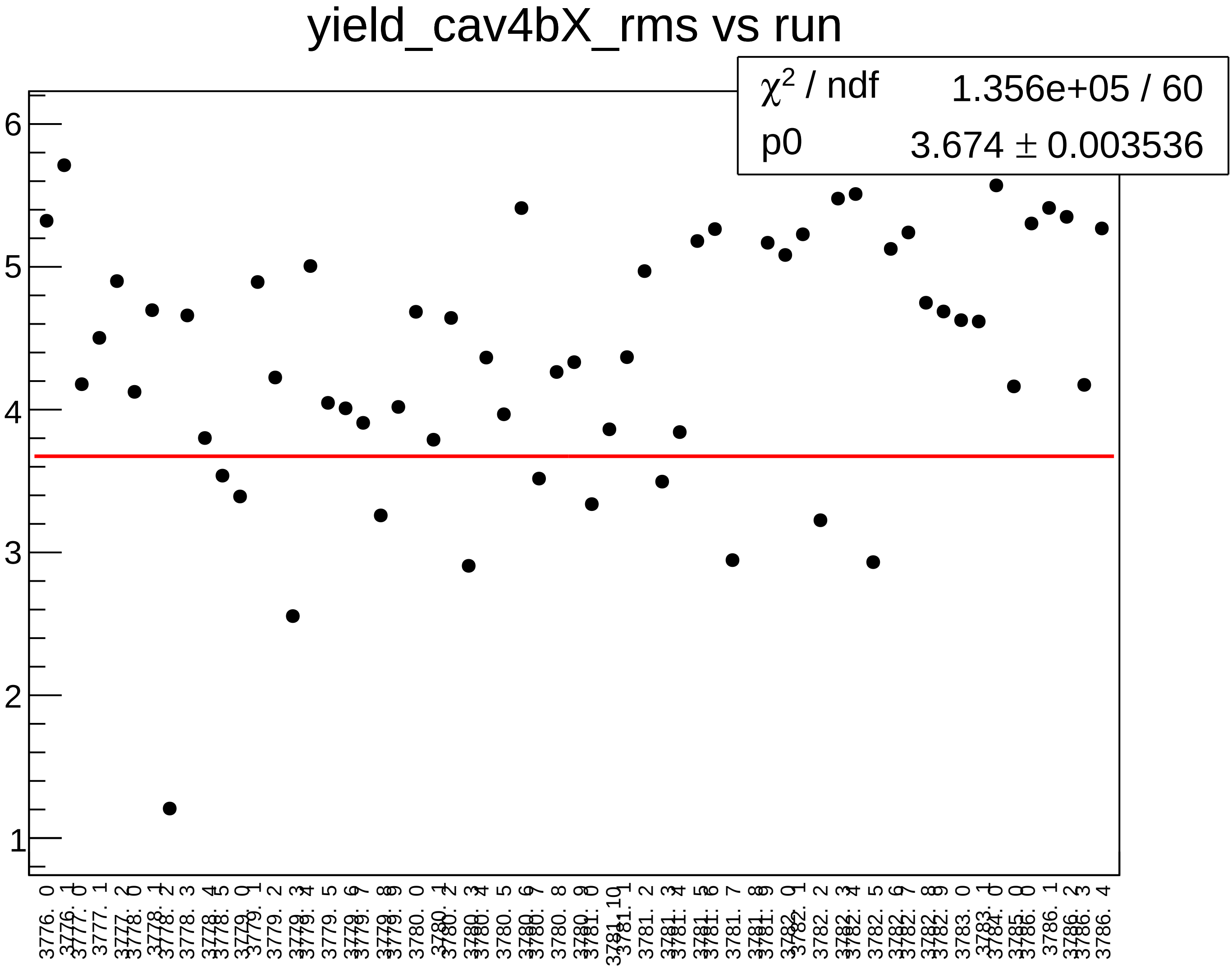


bcm_cav4cQ_ds3_dd_mean vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128
pull1D
Entries 61
Mean 0
Std Dev 0

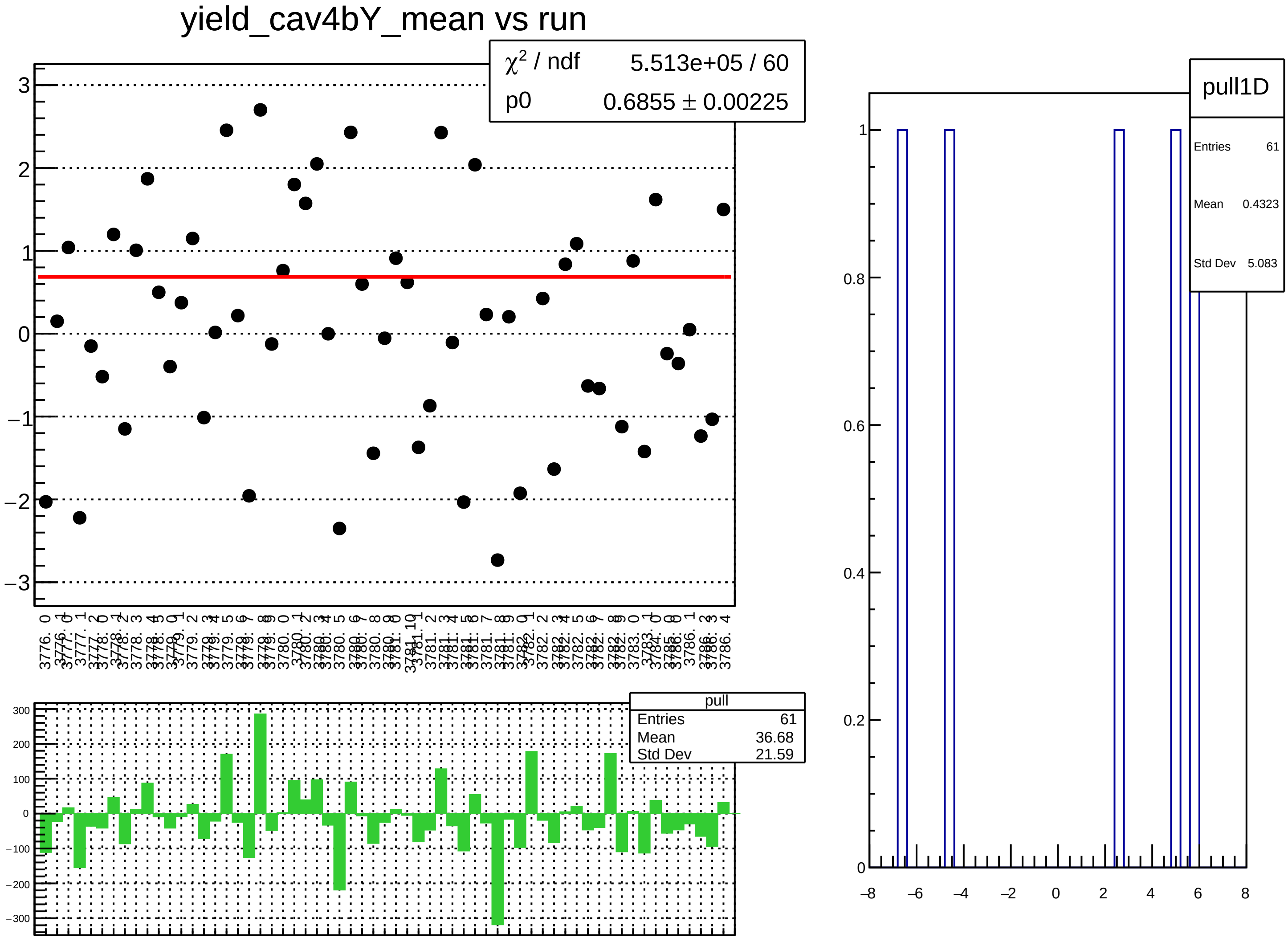

bcm_cav4cQ_ds3_dd_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
0
0.2
0.4
0.6
0.8
1



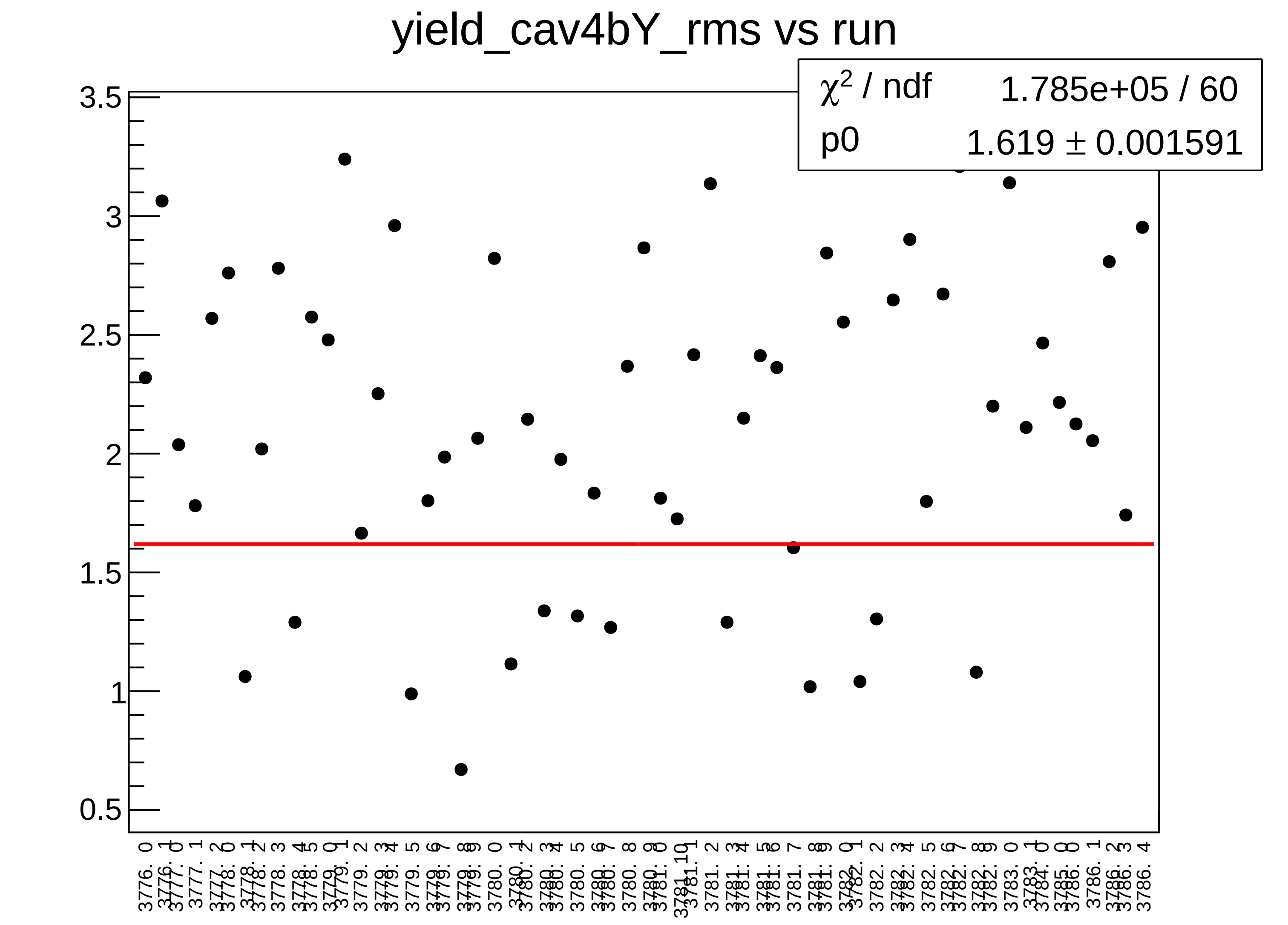
yield_cav4bX_mean vs run
χ^2 / ndf 1.243e+05 / 60
p0 2.934 ± 0.005001
pull
Entries 61
Mean 54.61
Std Dev 4.509
pull1D
Entries 61
Mean −2.921
Std Dev 3.875



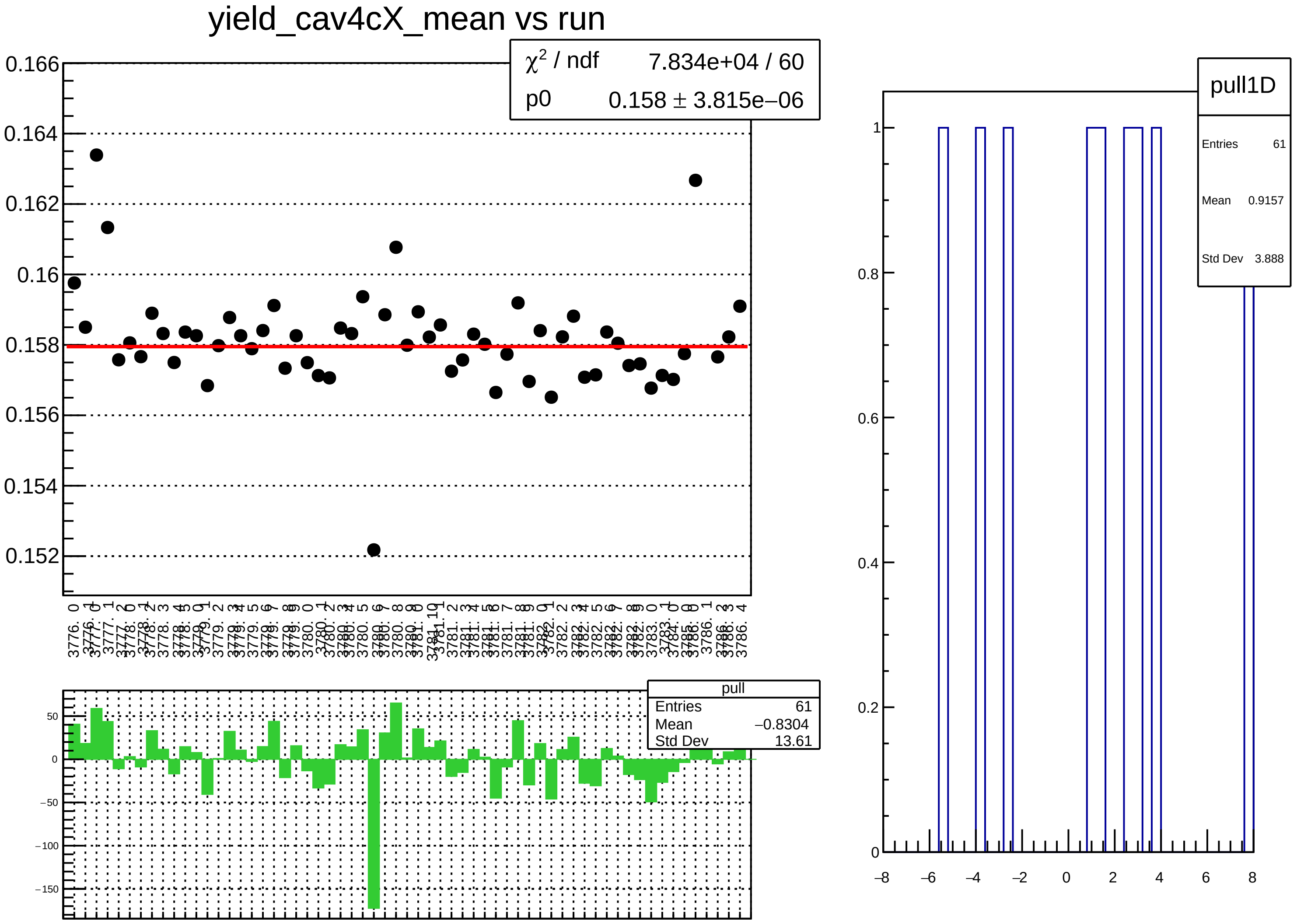
yield_cav4bX_rms vs run
χ^2 / ndf 1.356e+05 / 60
p0 3.674 ± 0.003536
1
2
3
4
5
6



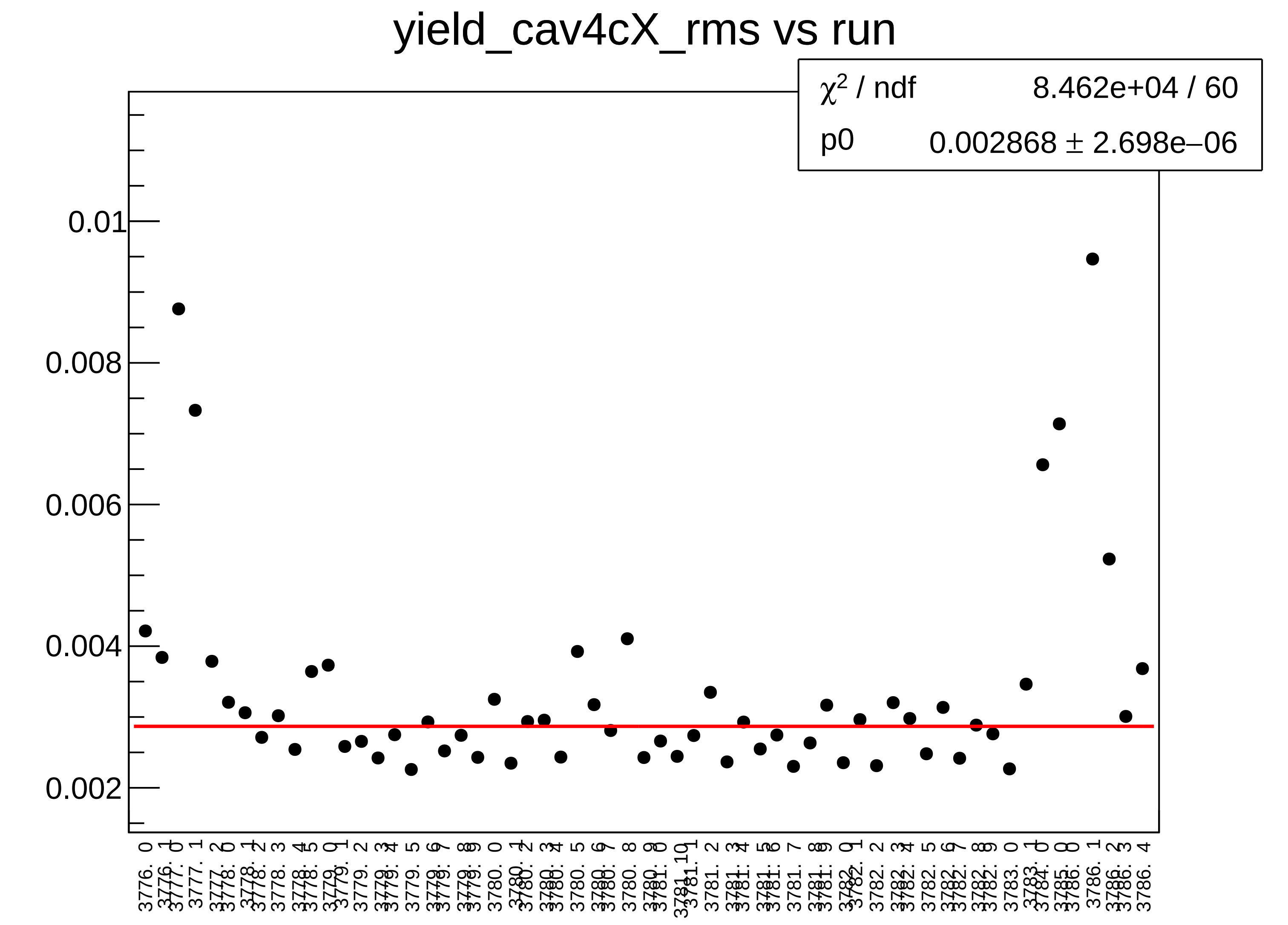
yield_cav4bY_mean vs run
χ^2 / ndf 5.513e+05 / 60
p0 0.6855 ± 0.00225
pull
Entries 61
Mean 36.68
Std Dev 21.59
pull1D
Entries 61
Mean 0.4323
Std Dev 5.083

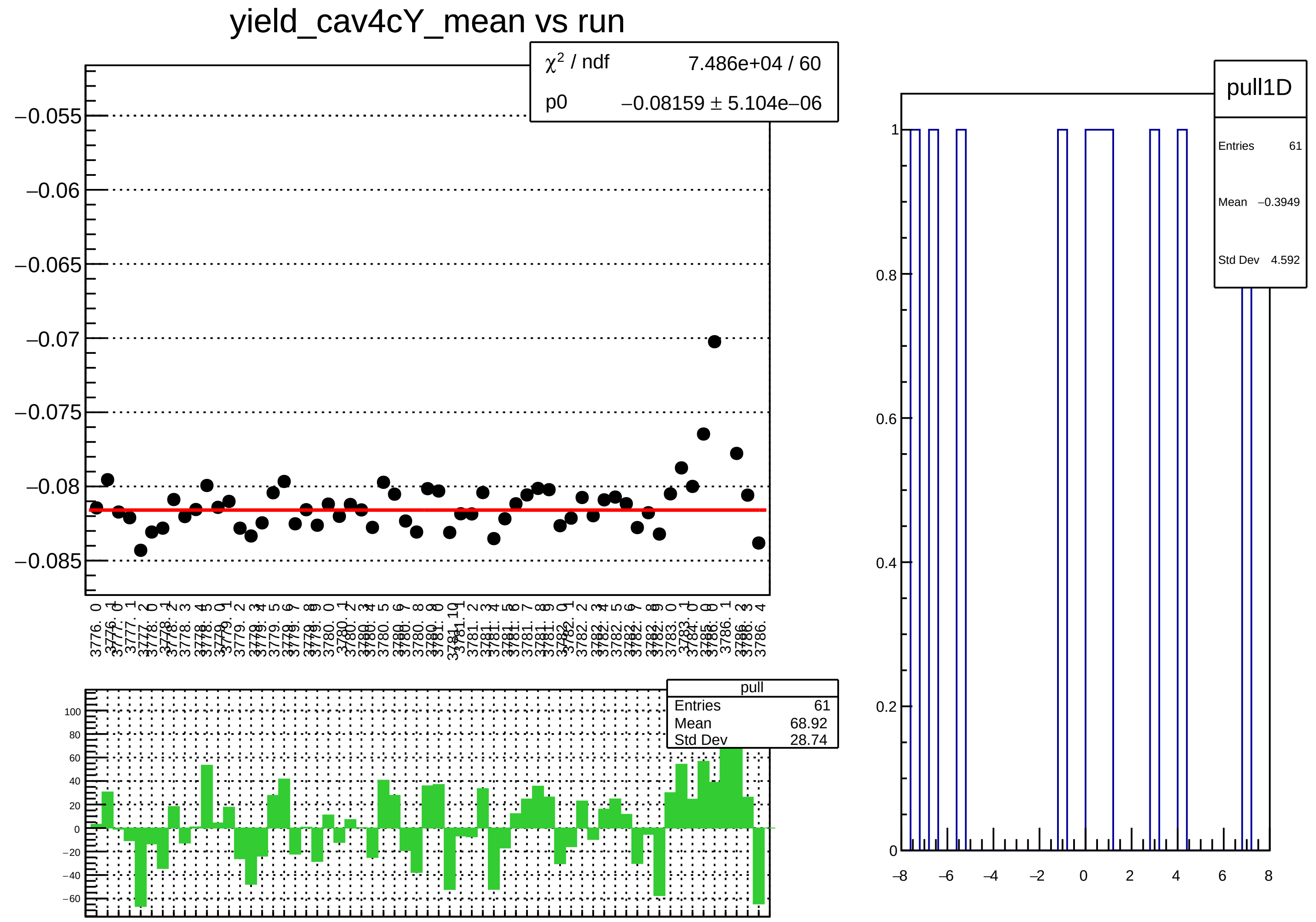


yield_cav4bY_rms vs run
χ^2 / ndf 1.785e+05 / 60
p0 1.619 ± 0.001591
3.5
3
2.5
2
1.5
1
0.5

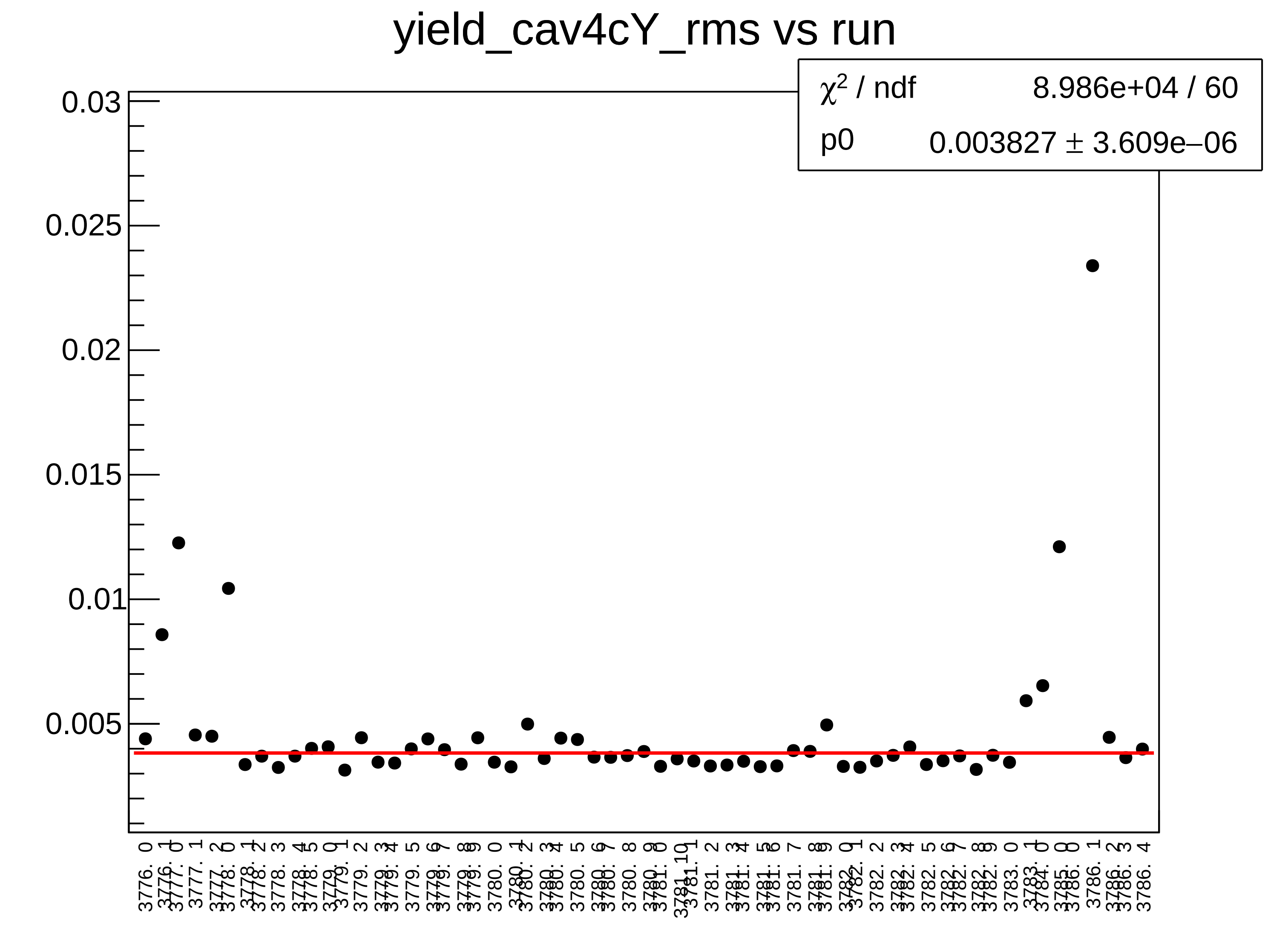


yield_cav4cX_mean vs run
χ^2 / ndf 7.834e+04 / 60
p0 0.158 ± 3.815e−06
pull
Entries 61
Mean −0.8304
Std Dev 13.61
pull1D
Entries 61
Mean 0.9157
Std Dev 3.888

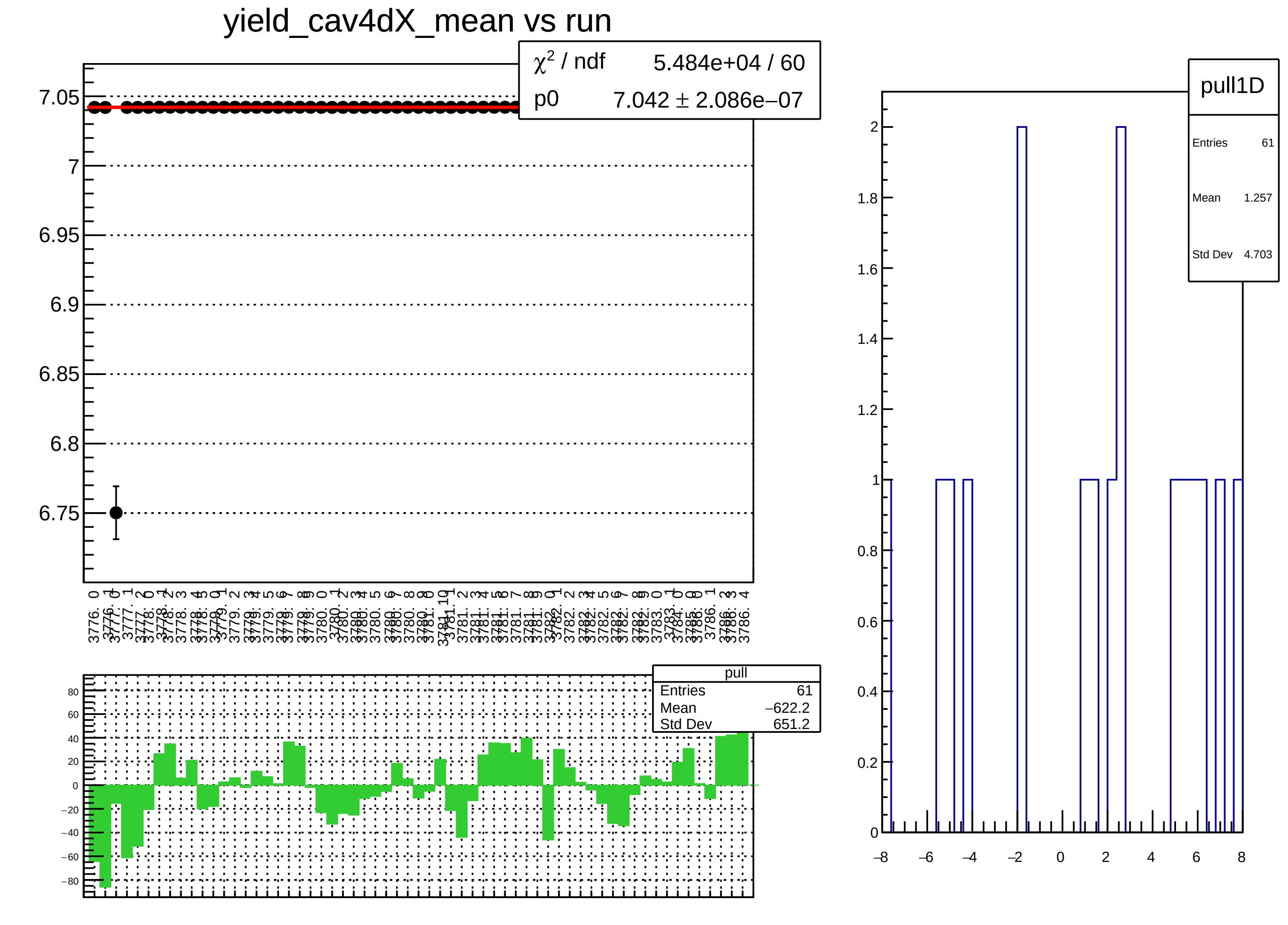

yield_cav4cX_rms vs run
χ^2 / ndf 8.462e+04 / 60
p0 0.002868 ± 2.698e−06
0.01
0.008
0.006
0.004
0.002

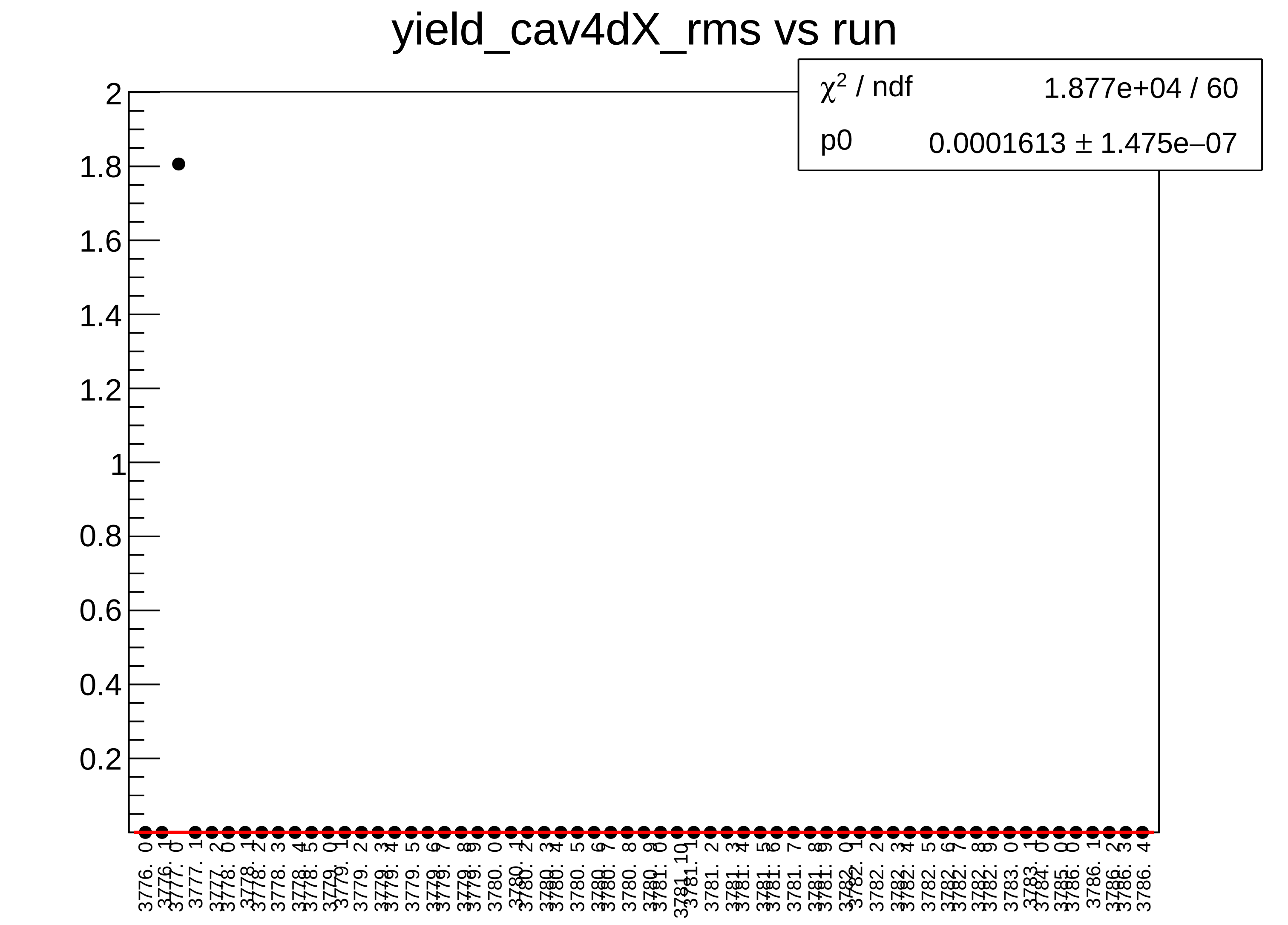


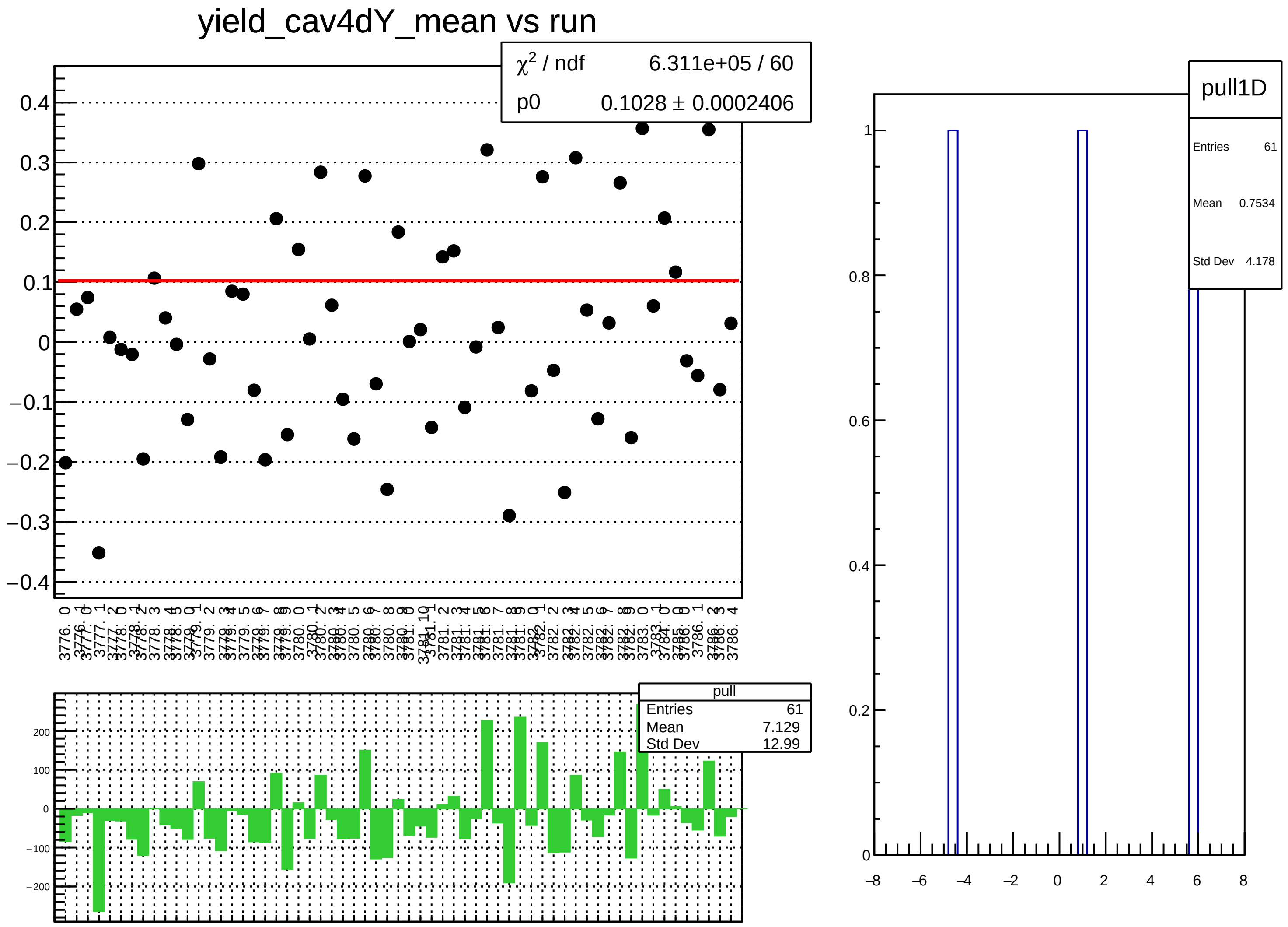
yield_cav4cY_mean vs run
χ2 / ndf 7.486e+04 / 60
p0 −0.08159 ± 5.104e−06
pull
Entries 61
Mean 68.92
Std Dev 28.74
pull1D
Entries 61
Mean −0.3949
Std Dev 4.592

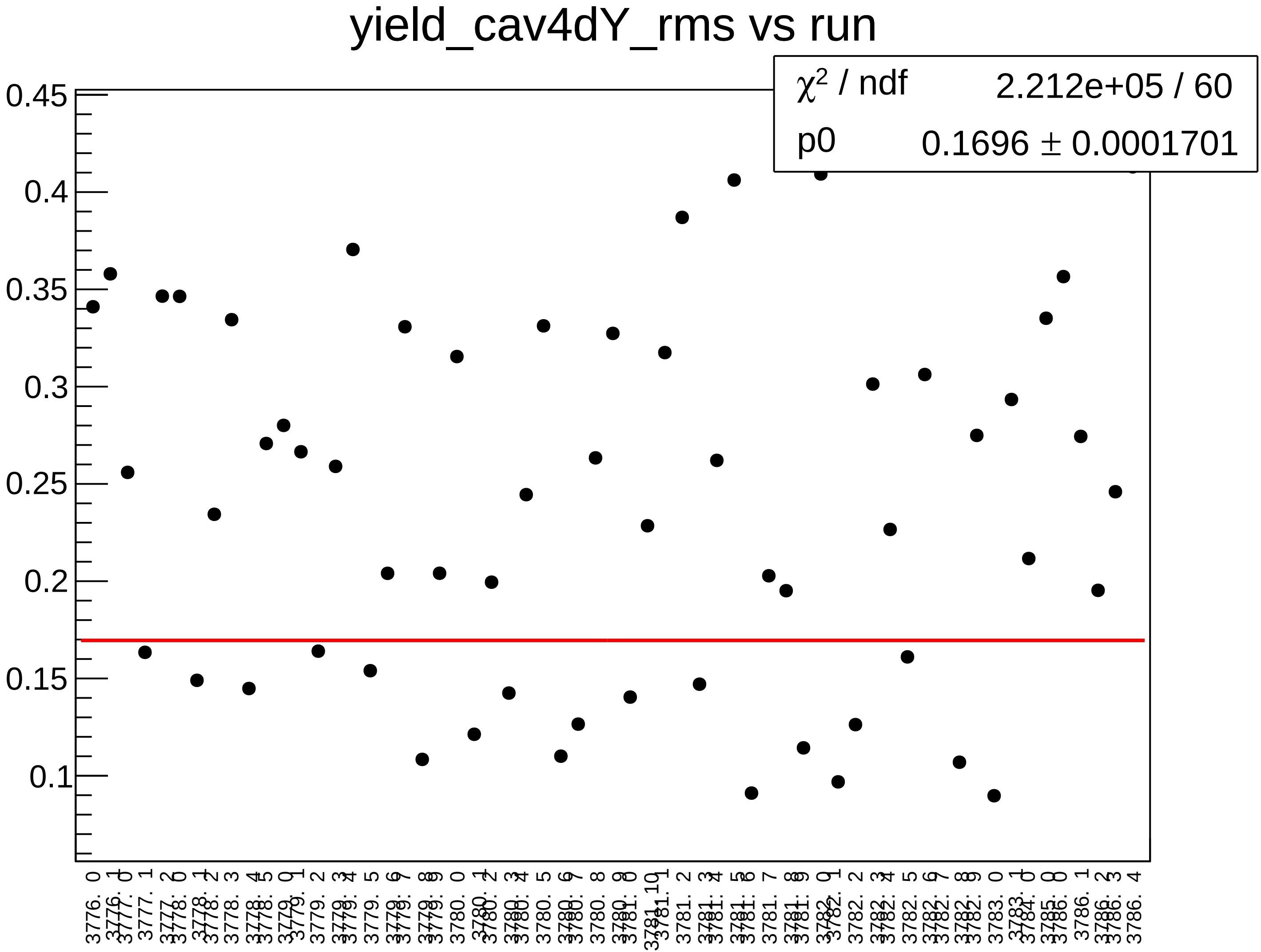


yield_cav4cY_rms vs run
χ^2 / ndf 8.986e+04 / 60
p0 0.003827 ± 3.609e−06
0.03
0.025
0.02
0.015
0.01
0.005

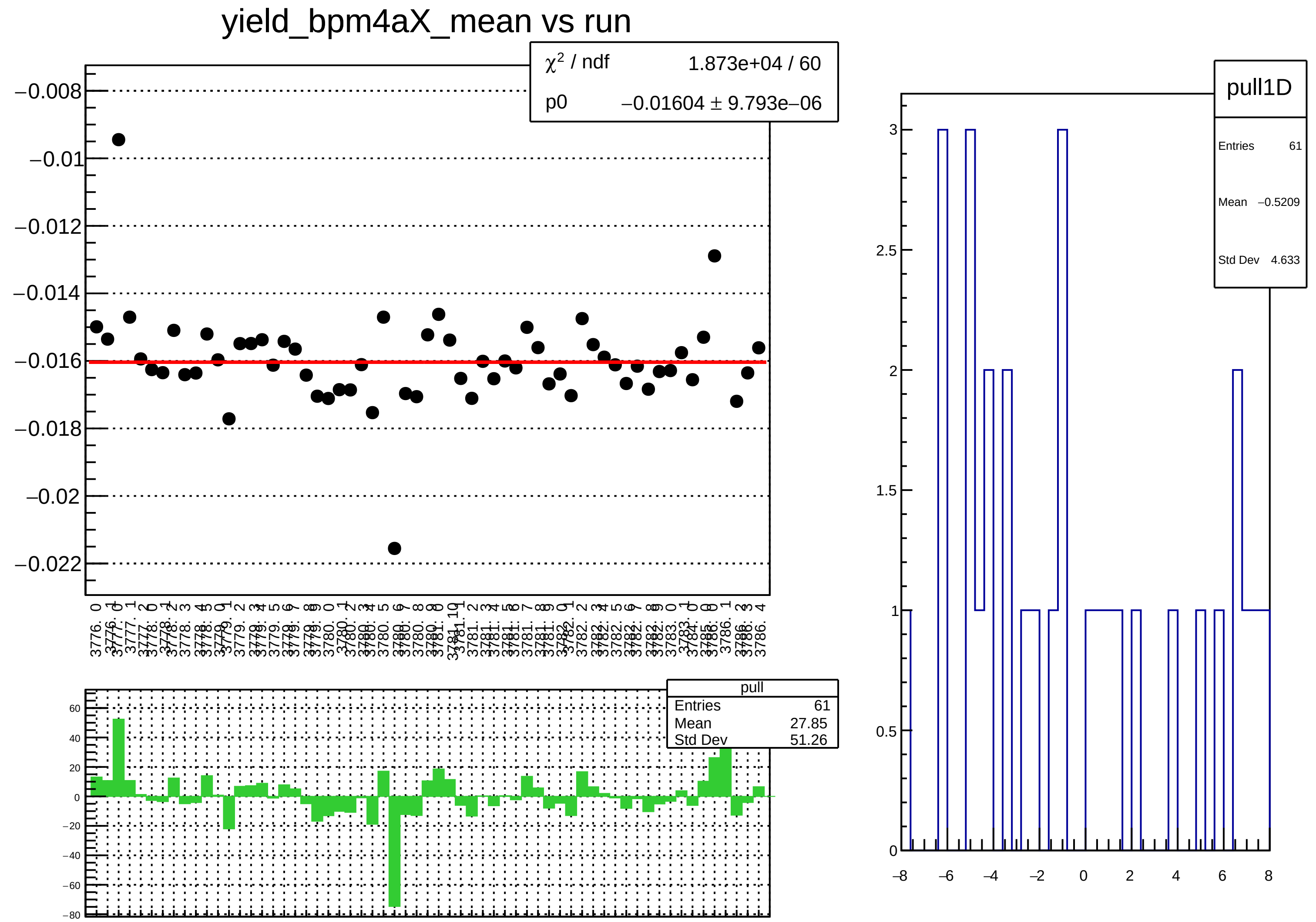

yield_cav4dX_mean vs run
χ2 / ndf 5.484e+04 / 60
p0 7.042 ± 2.086e−07
pull
Entries 61
Mean −622.2
Std Dev 651.2
pull1D
Entries 61
Mean 1.257
Std Dev 4.703


yield_cav4dX_rms vs run
χ2 / ndf 1.877e+04 / 60
p0 0.0001613 ± 1.475e−07

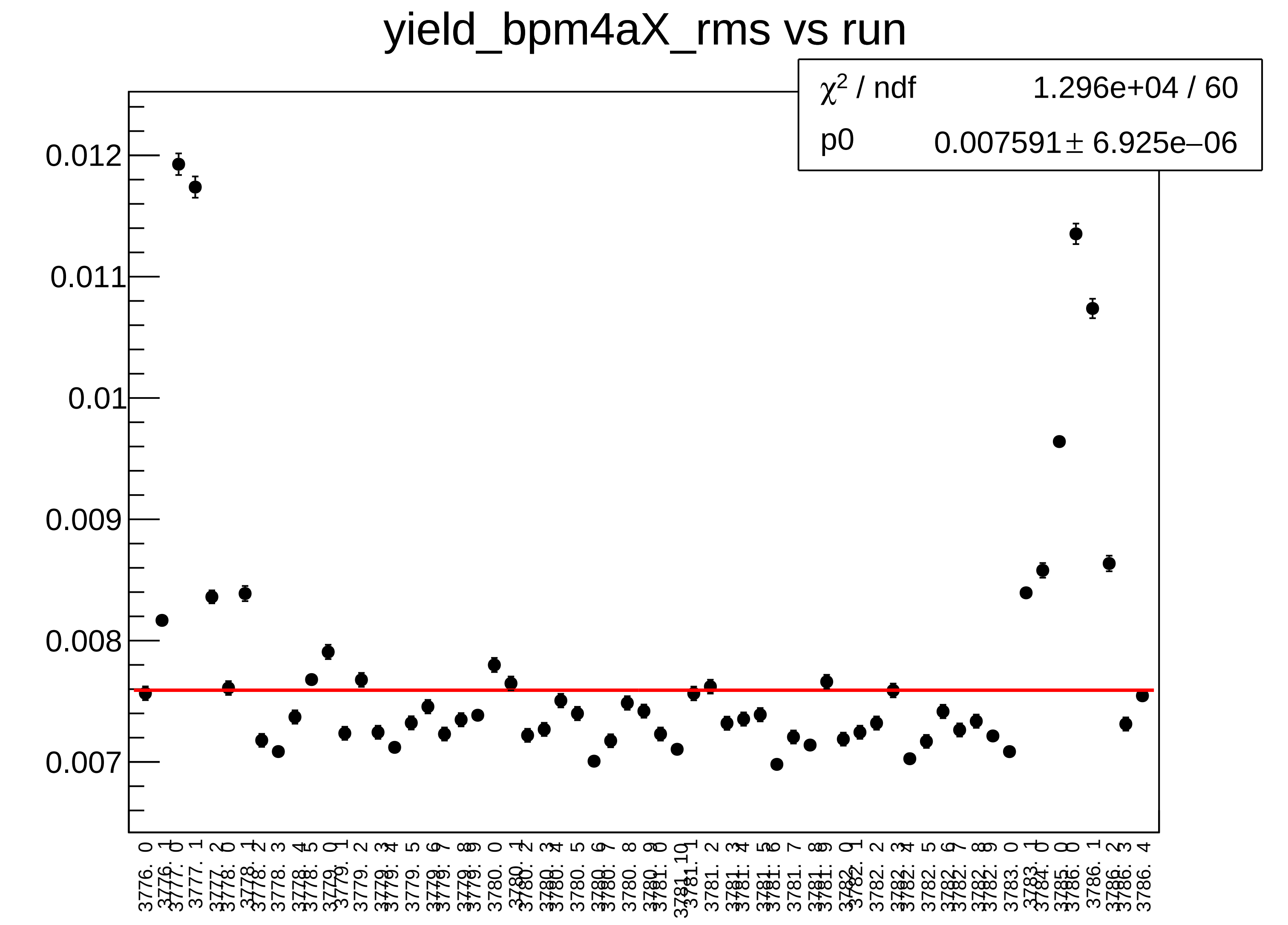

yield_cav4dY_mean vs run
χ2 / ndf 6.311e+05 / 60
p0 0.1028 ± 0.0002406
pull
Entries 61
Mean 7.129
Std Dev 12.99
pull1D
Entries 61
Mean 0.7534
Std Dev 4.178

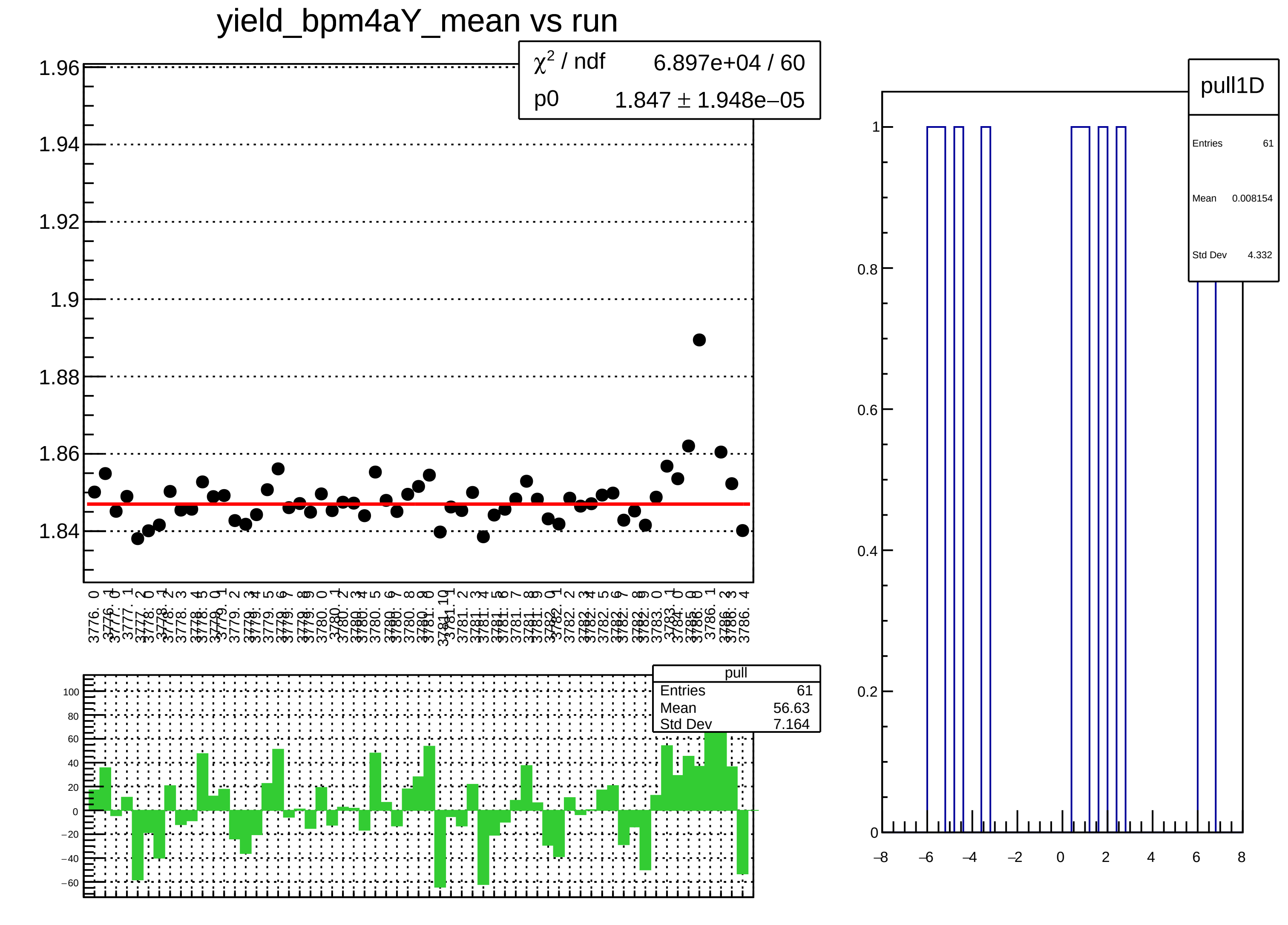


yield_cav4dY_rms vs run
χ^2 / ndf 2.212e+05 / 60
p0 0.1696 ± 0.0001701
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1

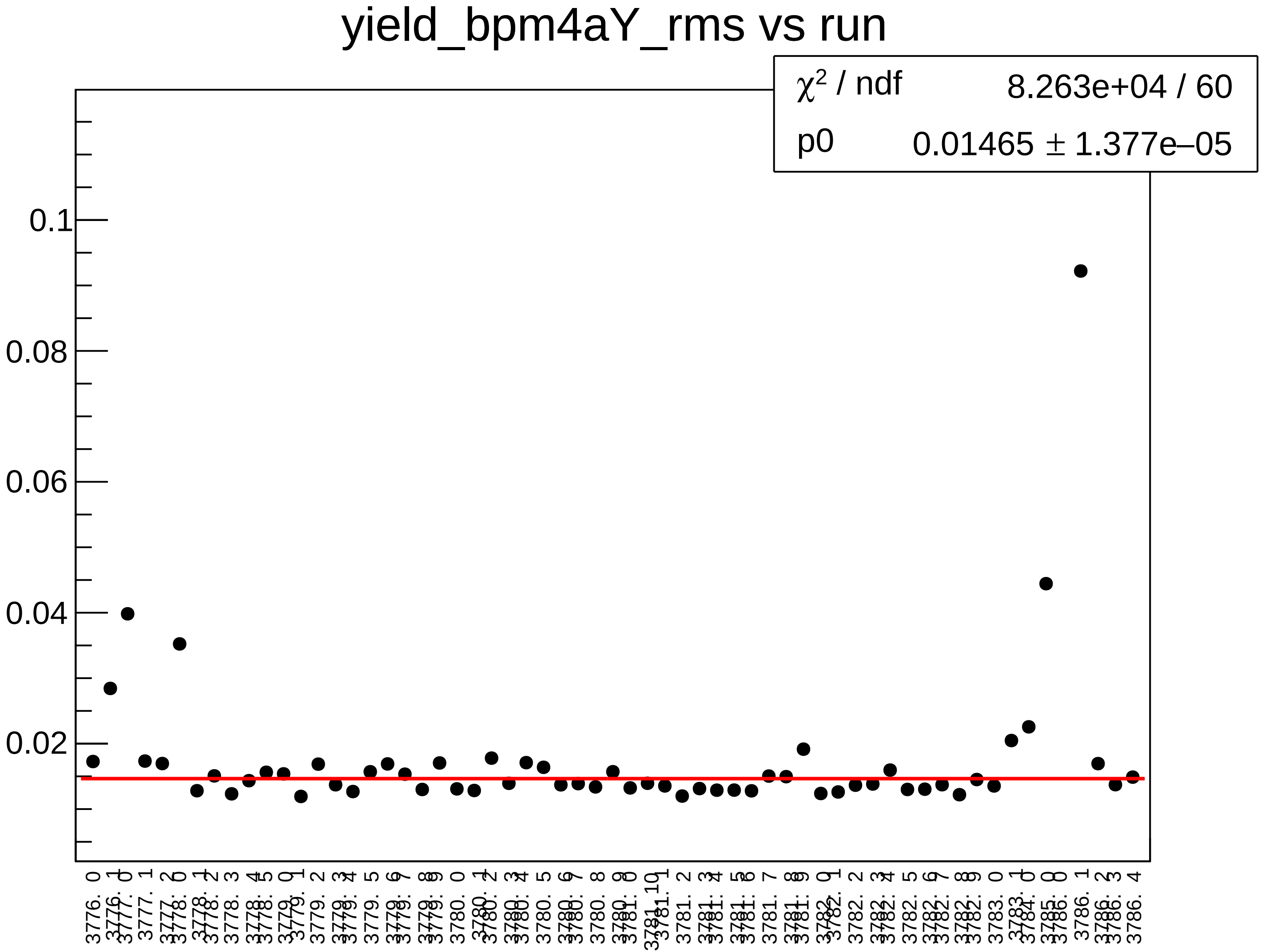


yield_bpm4aX_mean vs run
χ^2 / ndf 1.873e+04 / 60
p0 −0.01604 ± 9.793e−06
pull
Entries 61
Mean 27.85
Std Dev 51.26
pull1D
Entries 61
Mean −0.5209
Std Dev 4.633

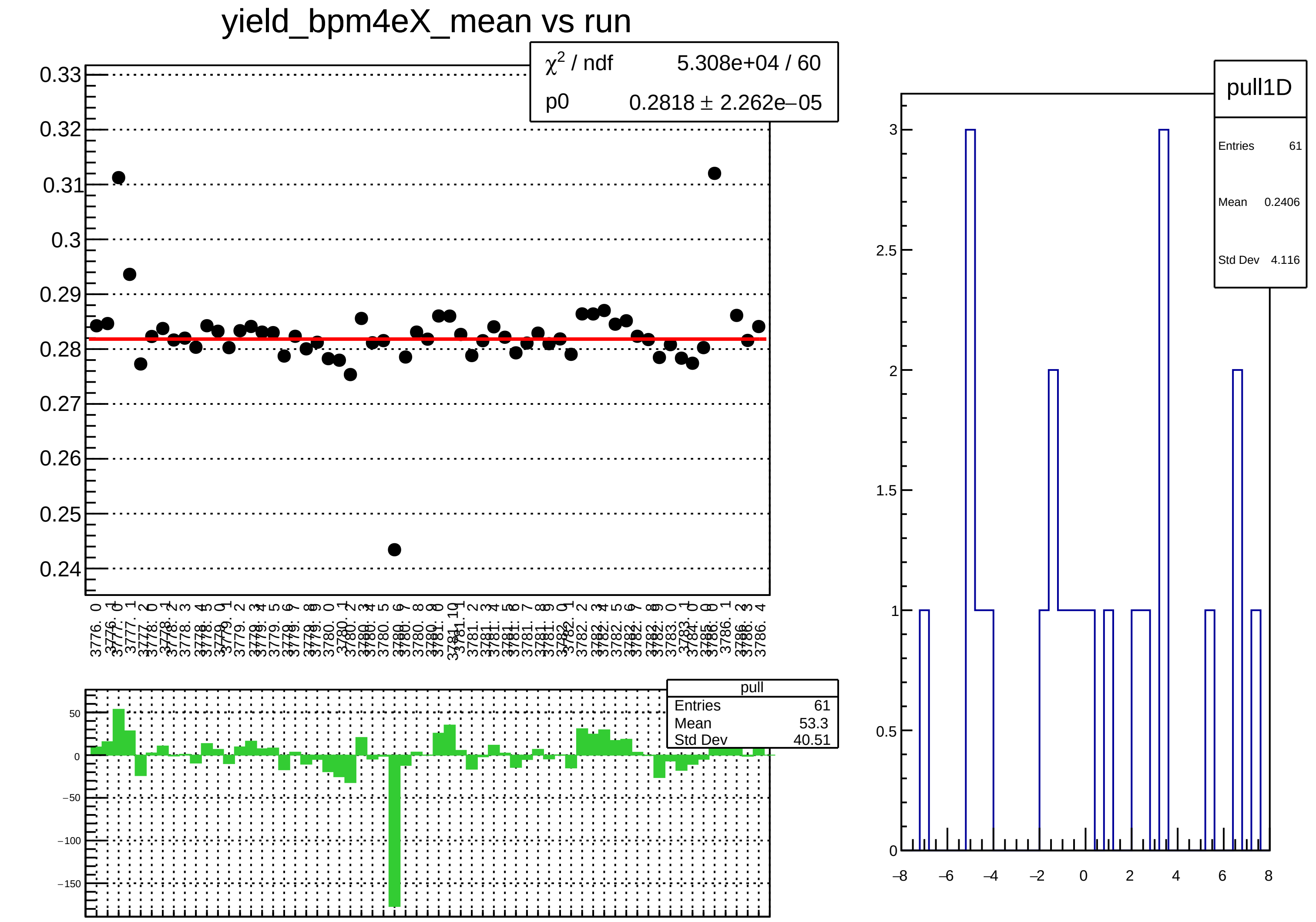

yield_bpm4aX_rms vs run
χ2 / ndf 1.296e+04 / 60
p0 0.007591 ± 6.925e−06
0.012
0.011
0.01
0.009
0.008
0.007



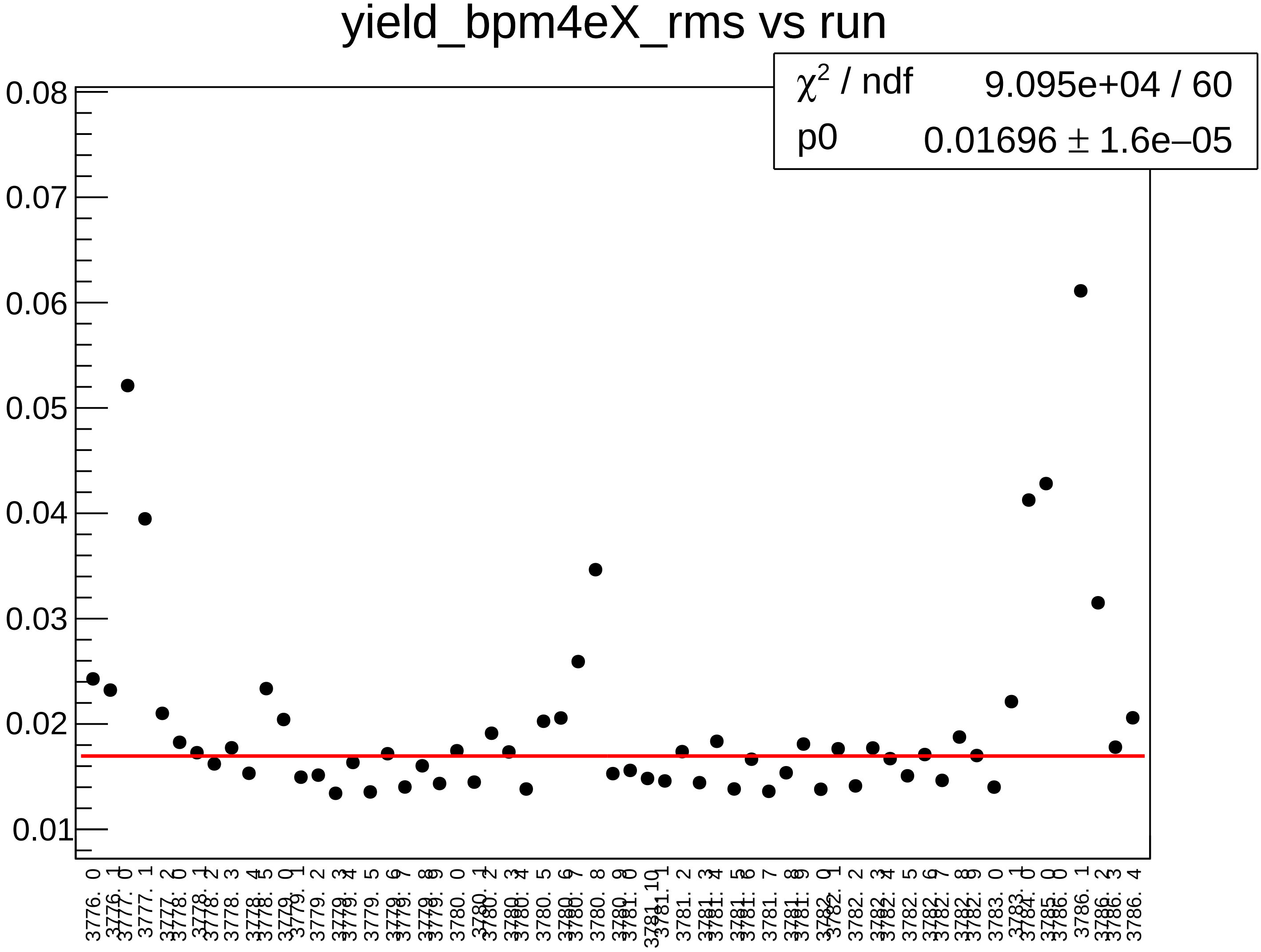
yield_bpm4aY_mean vs run
χ^2 / ndf 6.897e+04 / 60
p0 1.847 ± 1.948e−05
pull
Entries 61
Mean 56.63
Std Dev 7.164
pull1D
Entries 61
Mean 0.008154
Std Dev 4.332

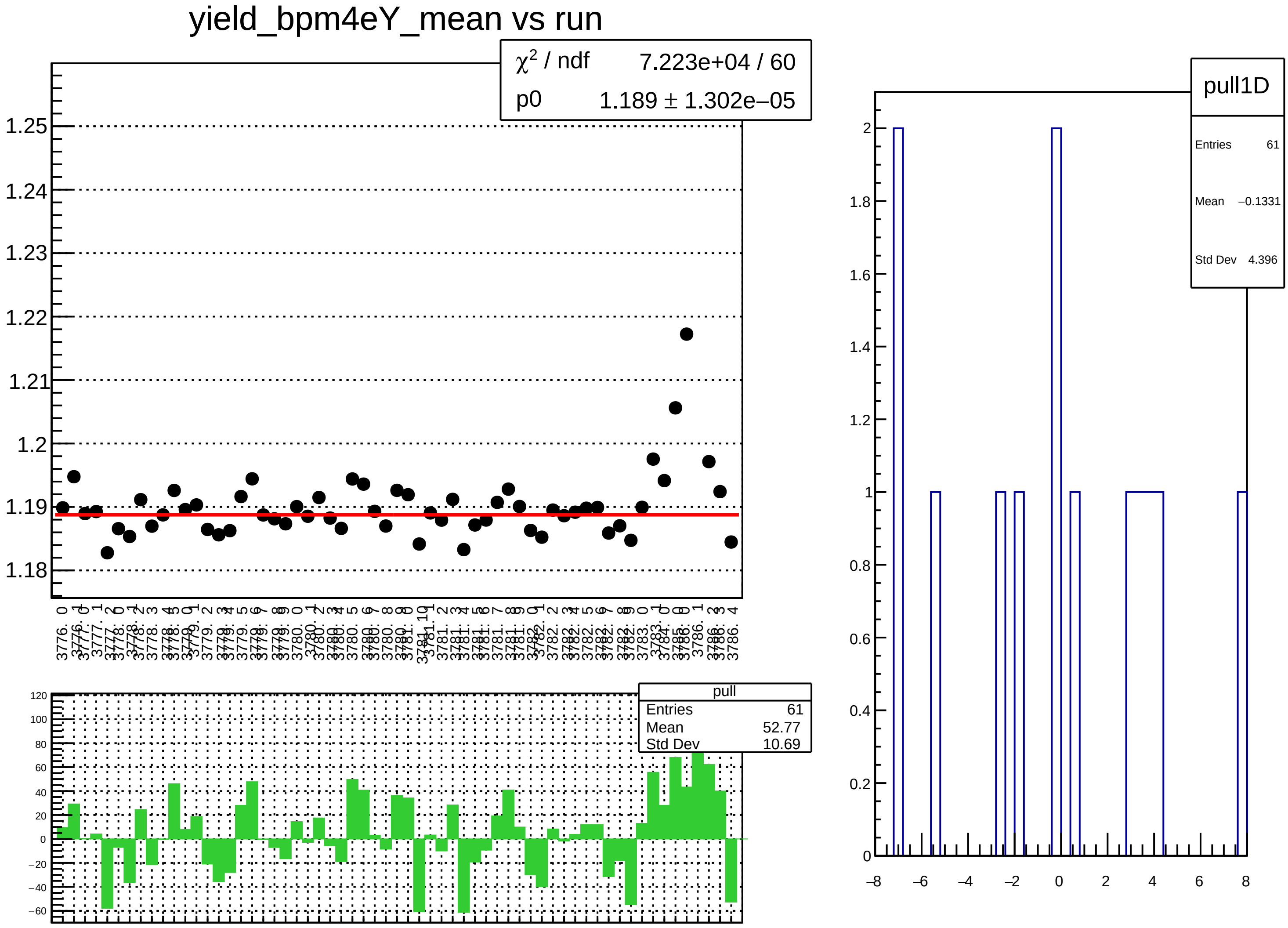


yield_bpm4aY_rms vs run
χ2 / ndf 8.263e+04 / 60
p0 0.01465 ± 1.377e−05
0.1
0.08
0.06
0.04
0.02

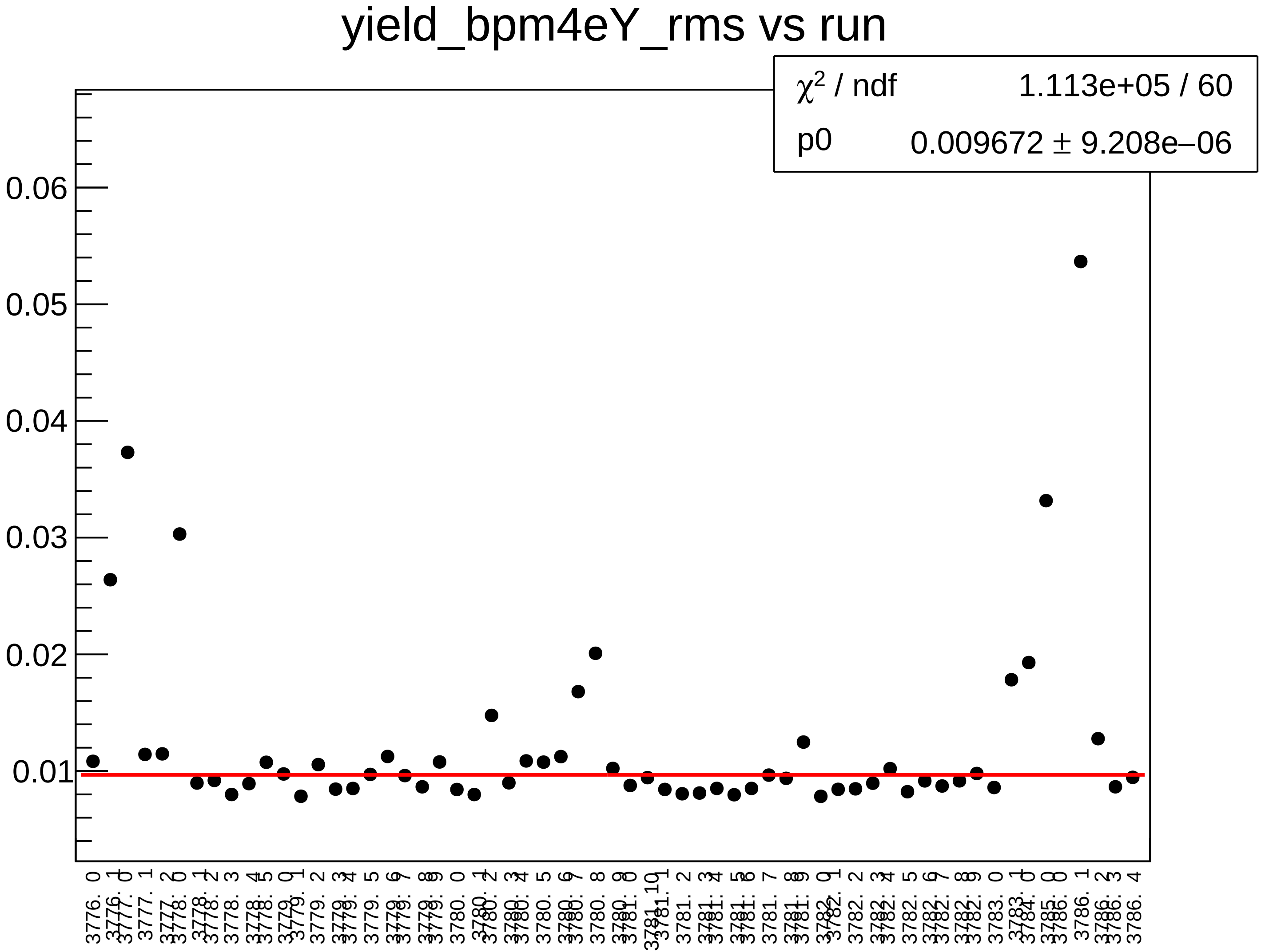


yield_bpm4eX_mean vs run
χ² / ndf 5.308e+04 / 60
p0 0.2818 ± 2.262e−05
pull
Entries 61
Mean 53.3
Std Dev 40.51
pull1D
Entries 61
Mean 0.2406
Std Dev 4.116

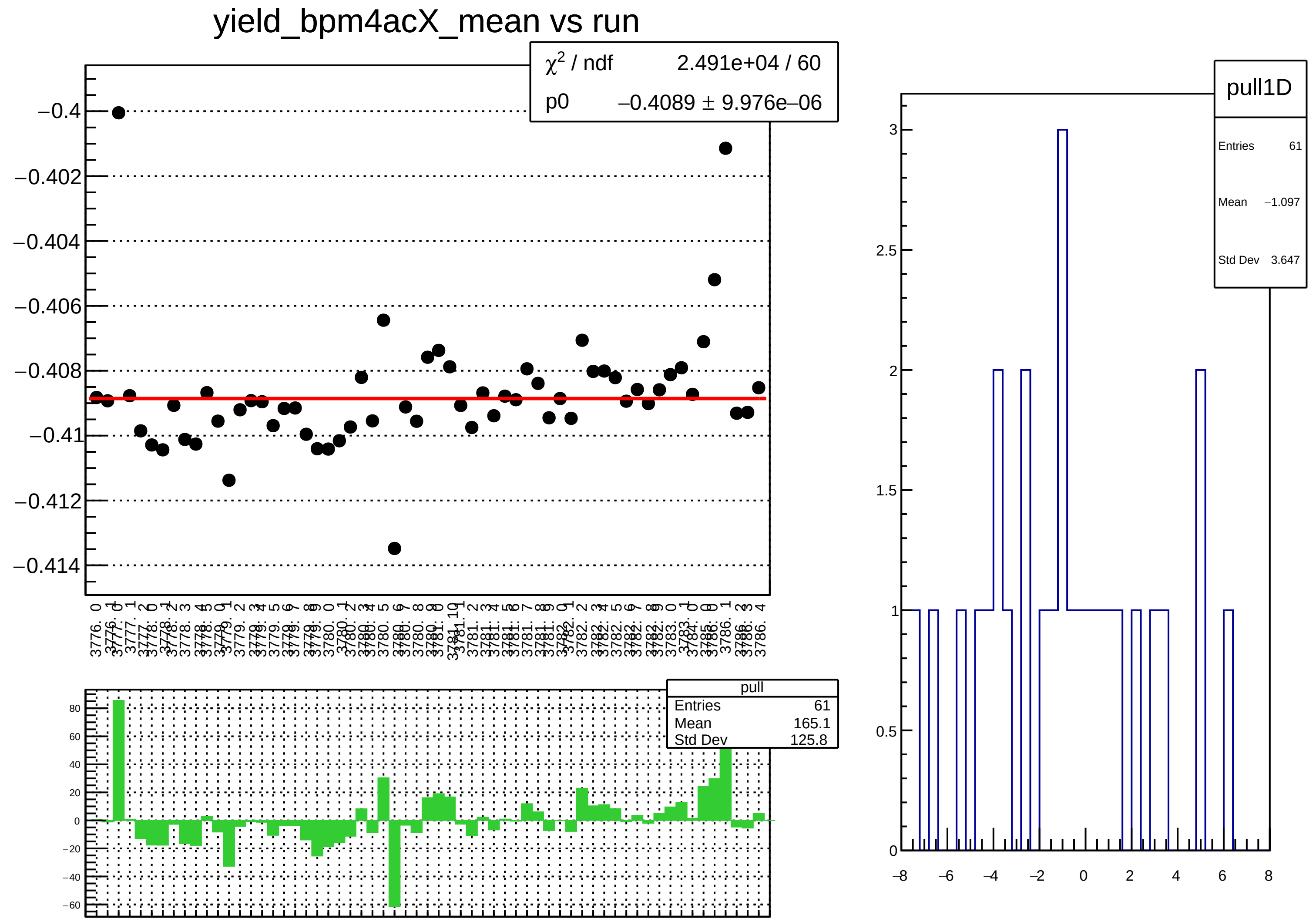

yield_bpm4eX_rms vs run
χ2 / ndf 9.095e+04 / 60
p0 0.01696 ± 1.6e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

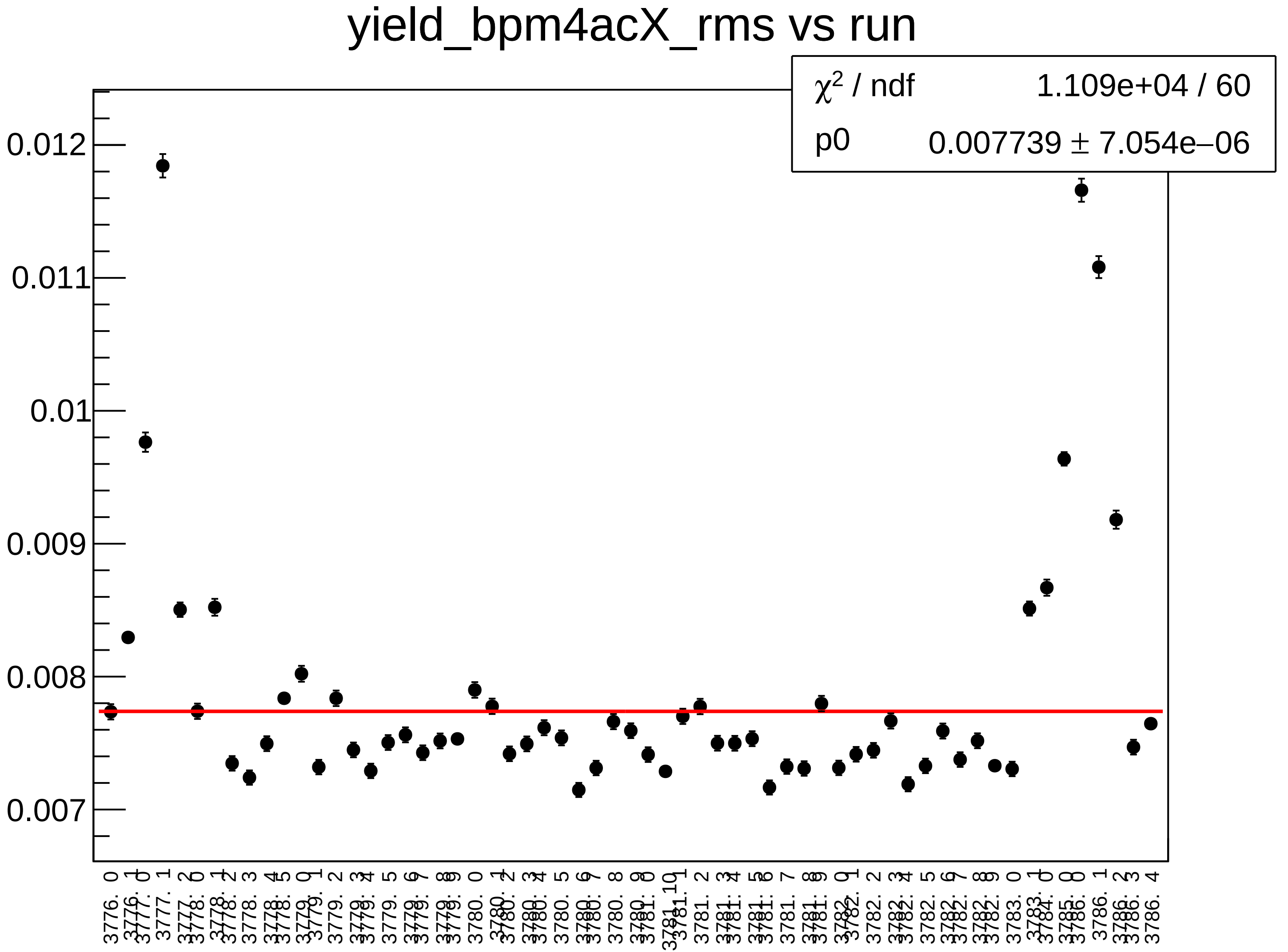


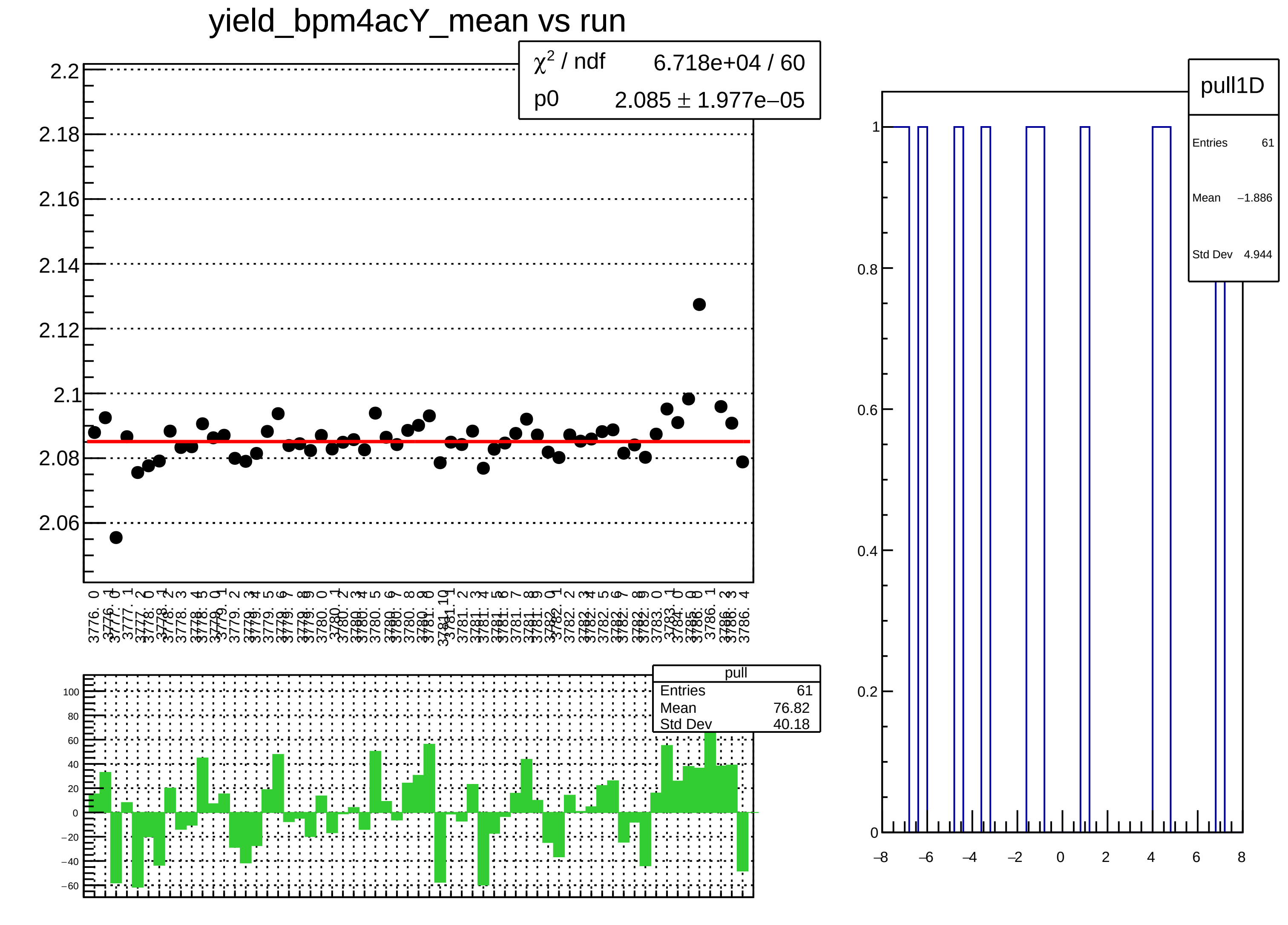
yield_bpm4eY_mean vs run
χ^2 / ndf 7.223e+04 / 60
p0 1.189 ± 1.302e−05
pull
Entries 61
Mean 52.77
Std Dev 10.69
pull1D
Entries 61
Mean −0.1331
Std Dev 4.396



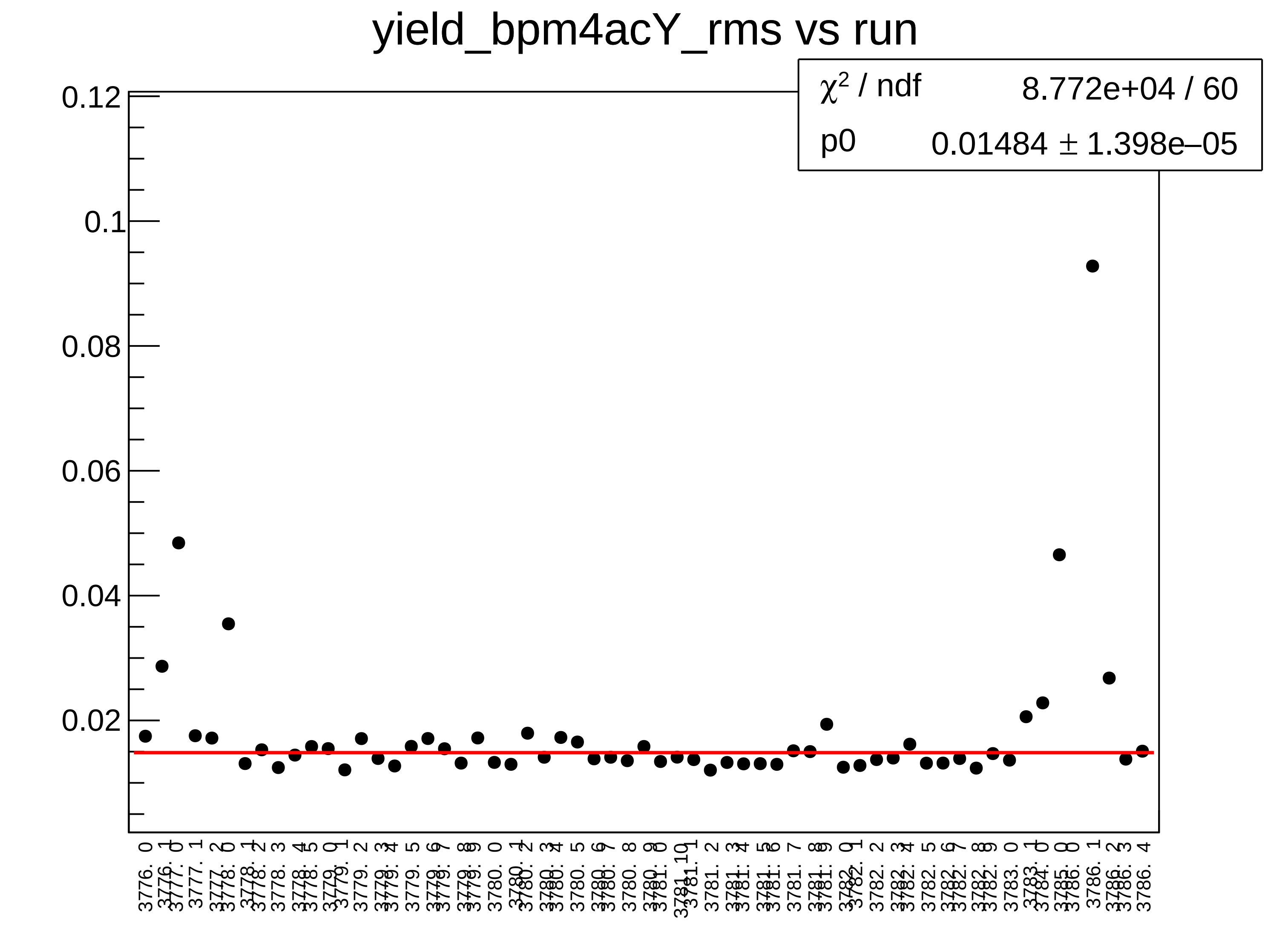
yield_bpm4eY_rms vs run
χ2 / ndf 1.113e+05 / 60
p0 0.009672 ± 9.208e−06
0.06
0.05
0.04
0.03
0.02
0.01

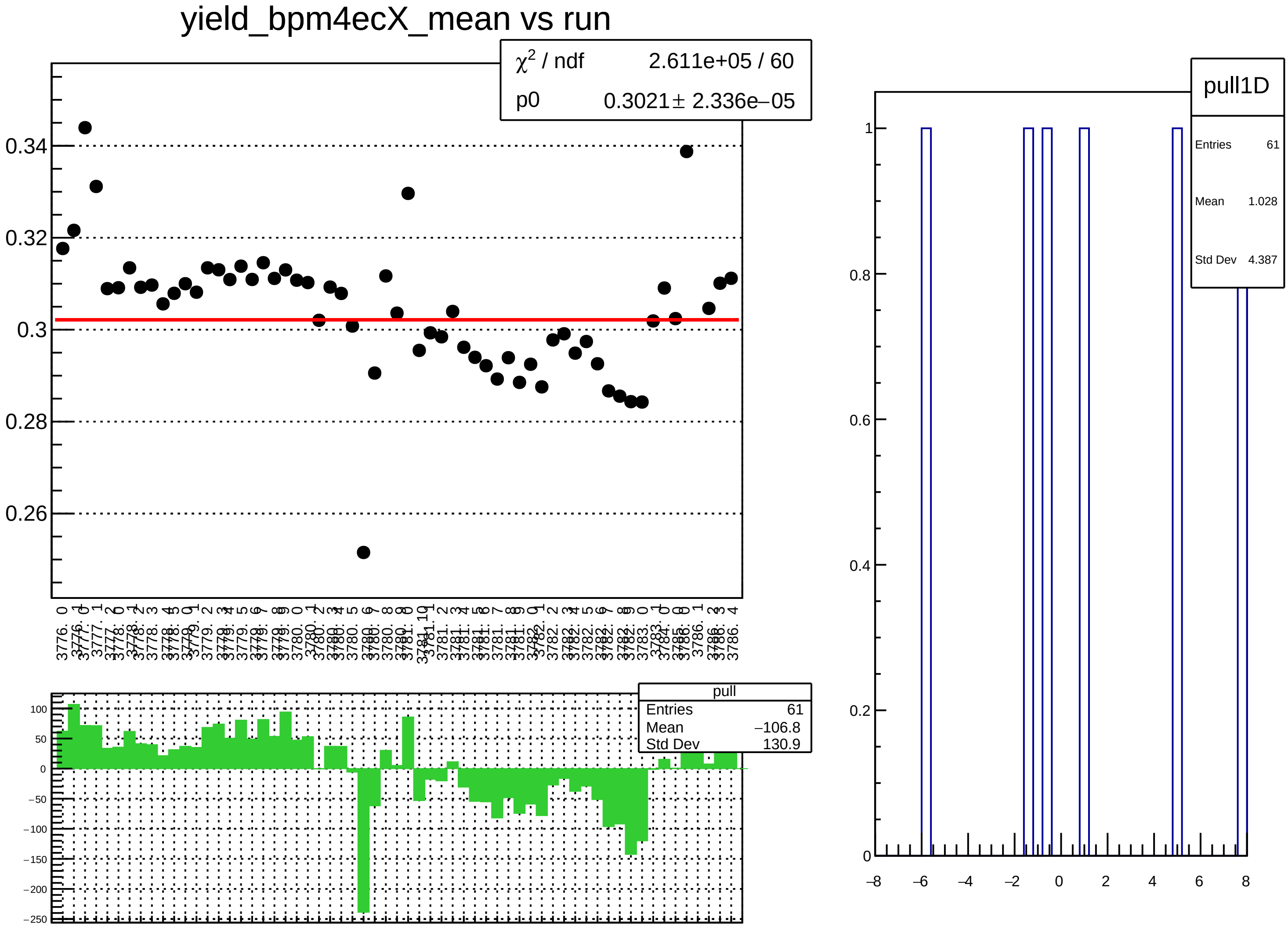

yield_bpm4acX_mean vs run
χ2 / ndf 2.491e+04 / 60
p0 −0.4089 ± 9.976e−06
pull
Entries 61
Mean 165.1
Std Dev 125.8
pull1D
Entries 61
Mean −1.097
Std Dev 3.647


yield_bpm4acX_rms vs run
χ2 / ndf 1.109e+04 / 60
p0 0.007739 ± 7.054e−06
0.012
0.011
0.01
0.009
0.008
0.007

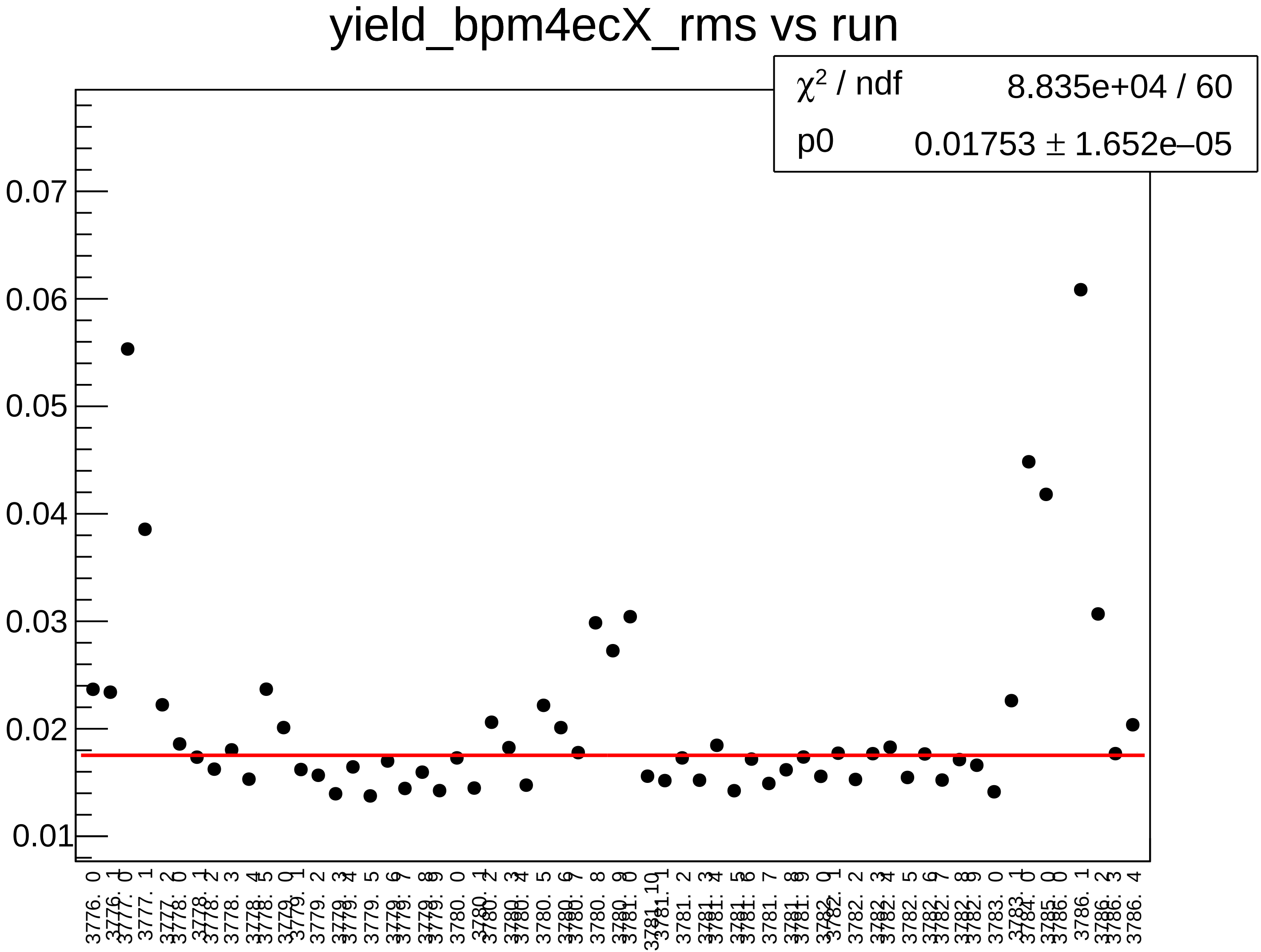


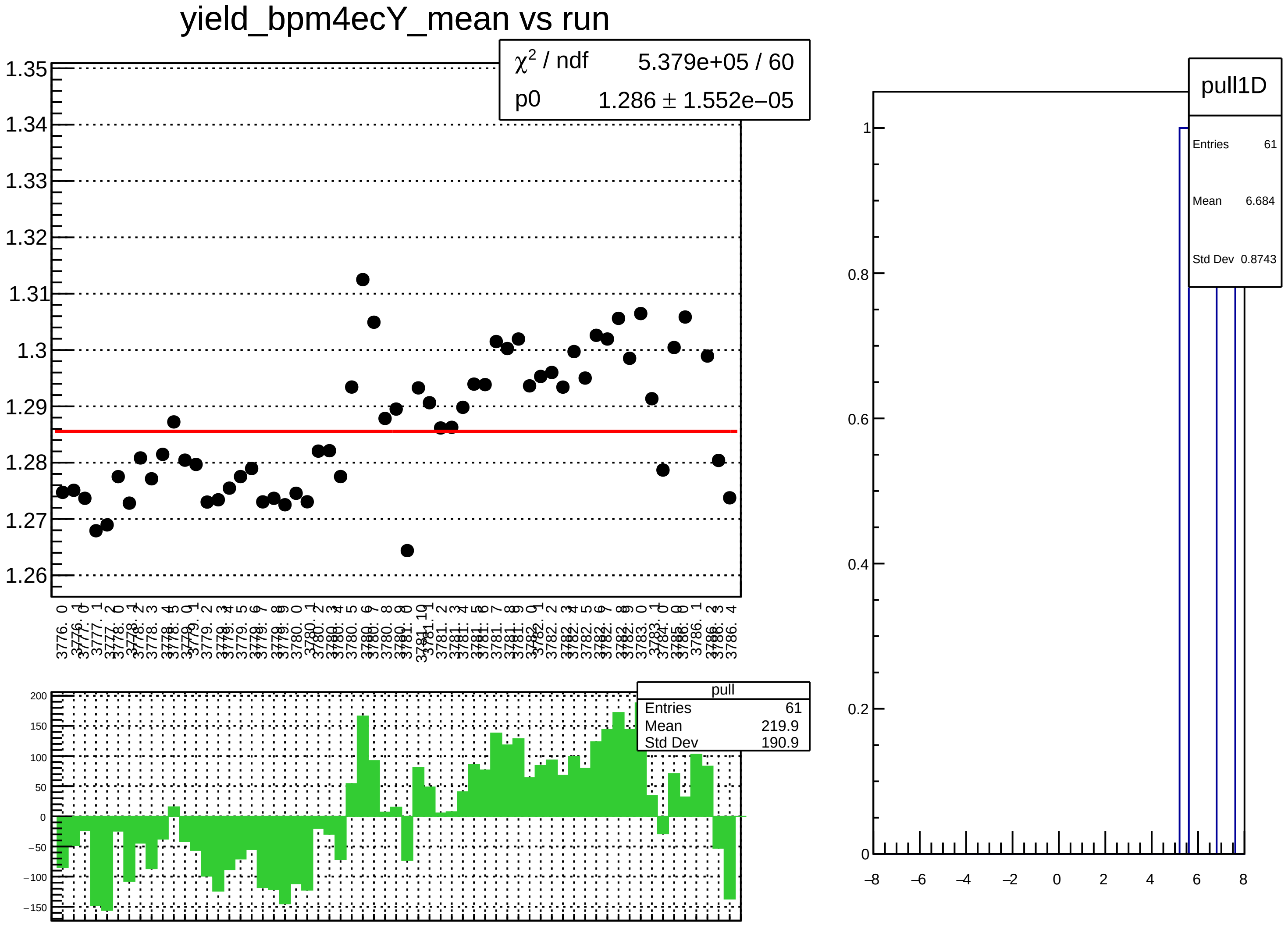
yield_bpm4acY_mean vs run
χ2 / ndf 6.718e+04 / 60
p0 2.085 ± 1.977e−05
pull
Entries 61
Mean 76.82
Std Dev 40.18
pull1D
Entries 61
Mean −1.886
Std Dev 4.944


yield_bpm4acY_rms vs run
χ2 / ndf 8.772e+04 / 60
p0 0.01484 ± 1.398e−05
0.12
0.1
0.08
0.06
0.04
0.02

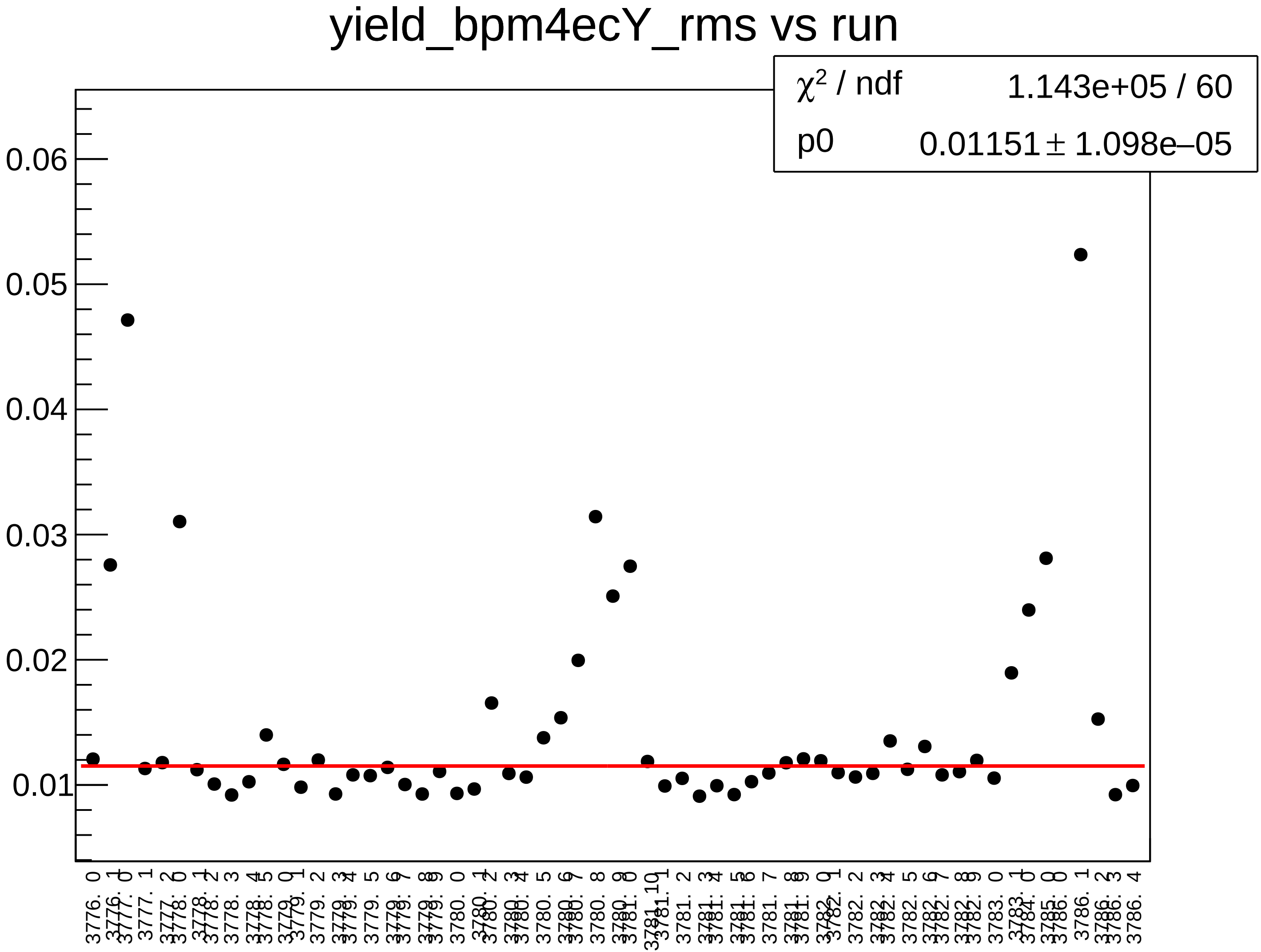


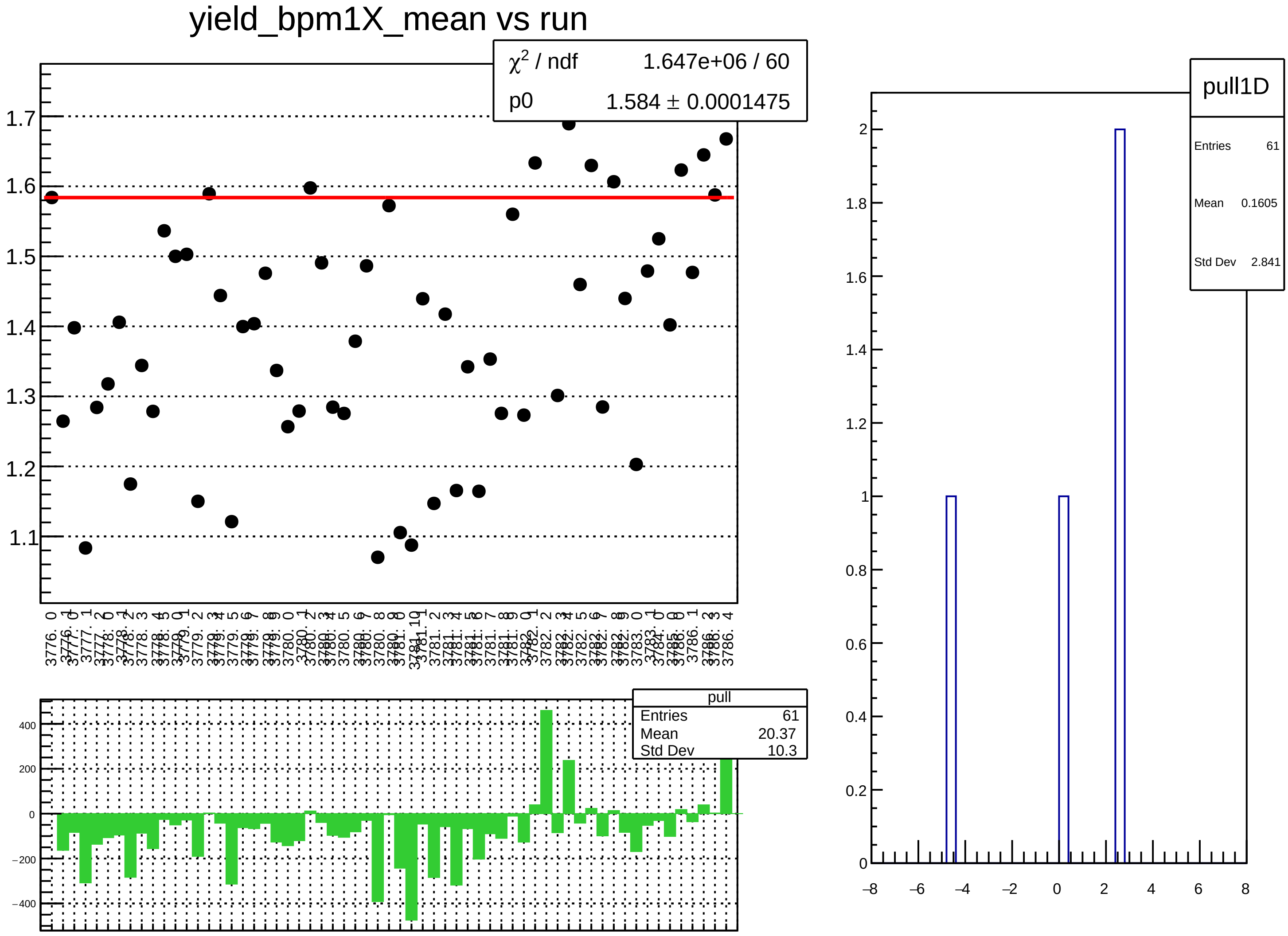
yield_bpm4ecX_mean vs run
χ2 / ndf 2.611e+05 / 60
p0 0.3021 ± 2.336e−05
pull
Entries 61
Mean −106.8
Std Dev 130.9
pull1D
Entries 61
Mean 1.028
Std Dev 4.387

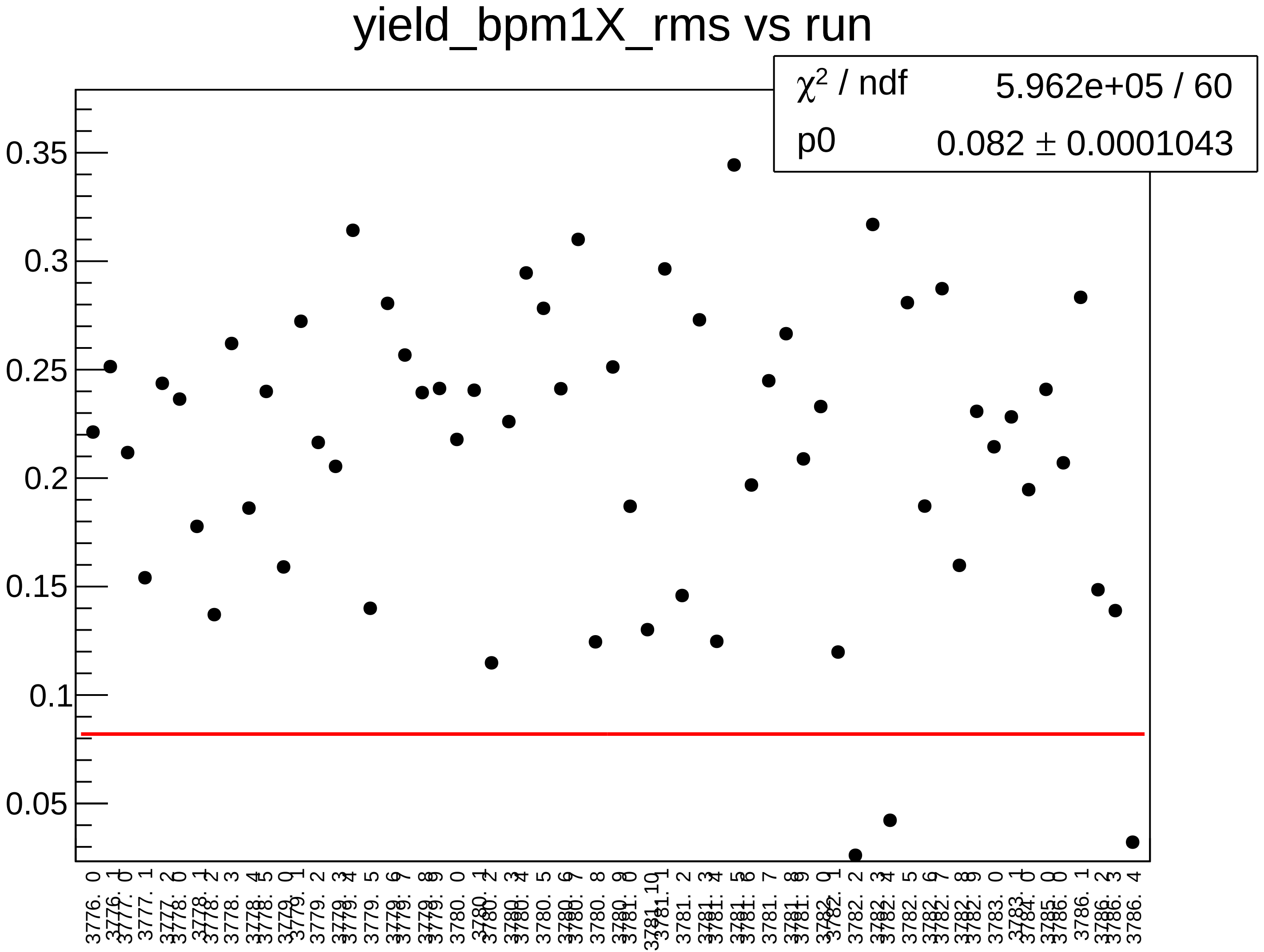

yield_bpm4ecX_rms vs run
χ² / ndf 8.835e+04 / 60
p0 0.01753 ± 1.652e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

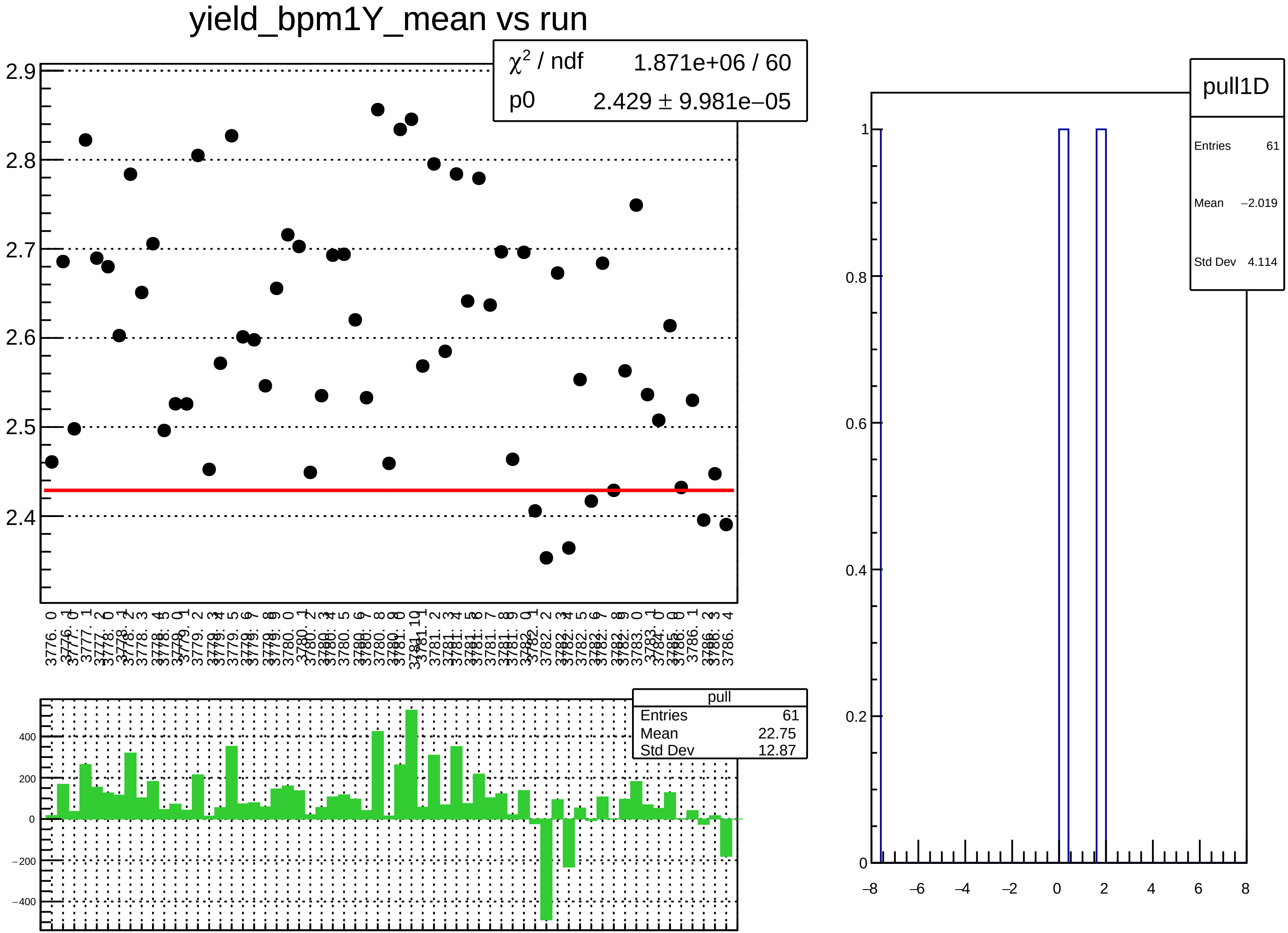


yield_bpm4ecY_mean vs run
χ2 / ndf 5.379e+05 / 60
p0 1.286 ± 1.552e−05
pull
Entries 61
Mean 219.9
Std Dev 190.9
pull1D
Entries 61
Mean 6.684
Std Dev 0.8743

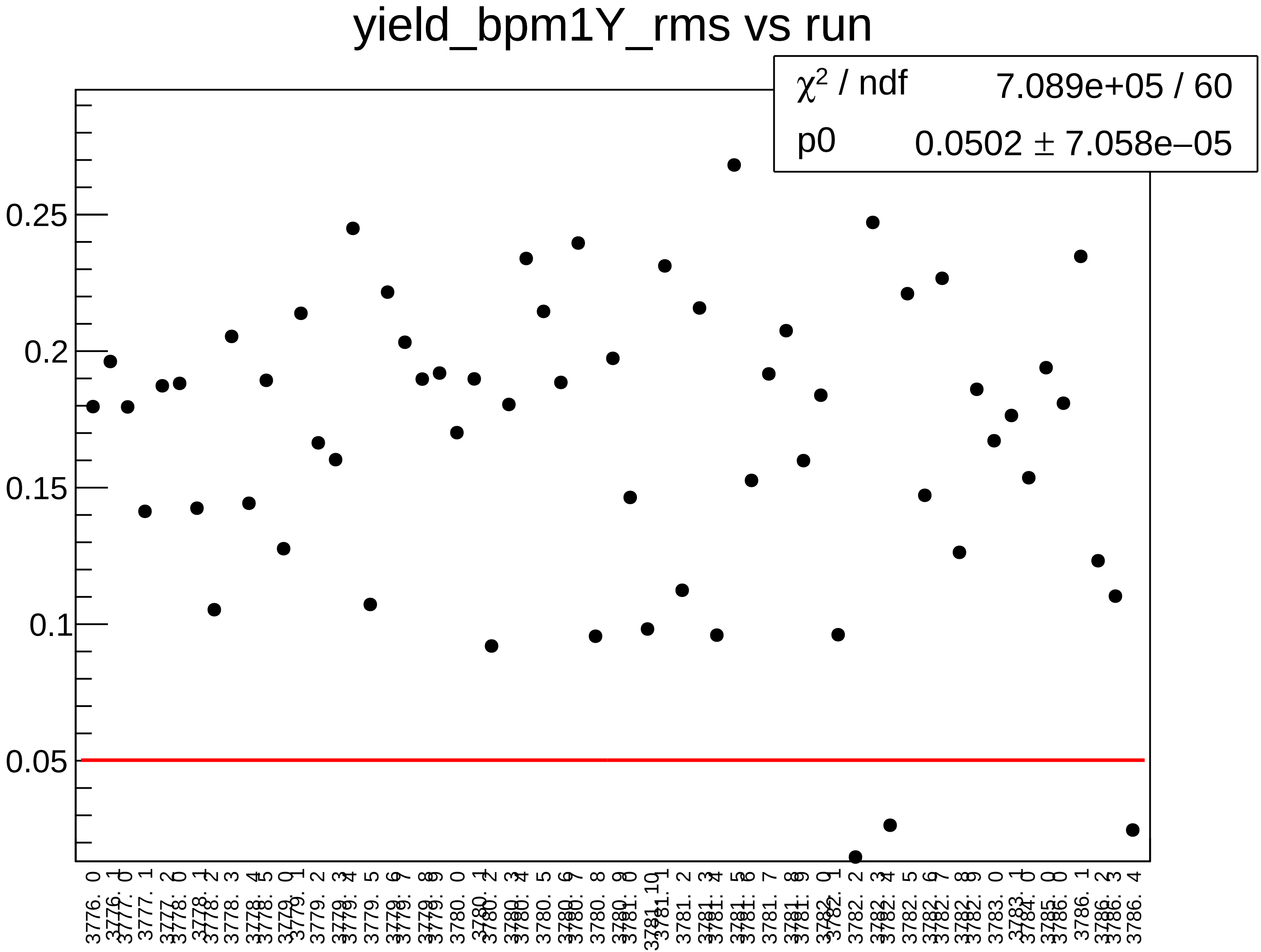

yield_bpm4ecY_rms vs run
χ2 / ndf 1.143e+05 / 60
p0 0.01151 ± 1.098e−05
0.06
0.05
0.04
0.03
0.02
0.01


yield_bpm1X_mean vs run
χ^2 / ndf 1.647e+06 / 60
p0 1.584 ± 0.0001475
pull
Entries 61
Mean 20.37
Std Dev 10.3
pull1D
Entries 61
Mean 0.1605
Std Dev 2.841

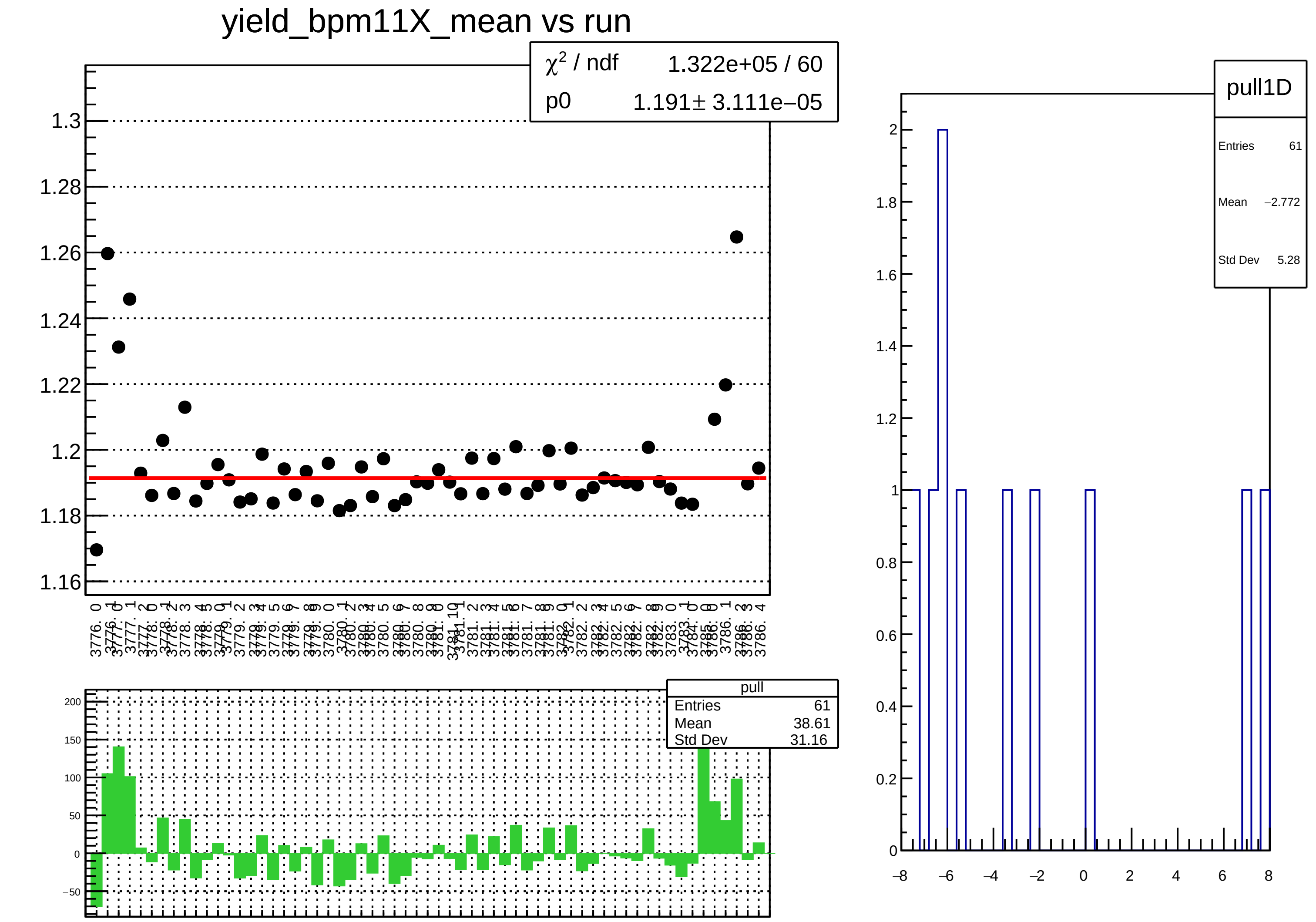

yield_bpm1X_rms vs run
χ² / ndf 5.962e+05 / 60
p0 0.082 ± 0.0001043
0.35
0.3
0.25
0.2
0.15
0.1
0.05

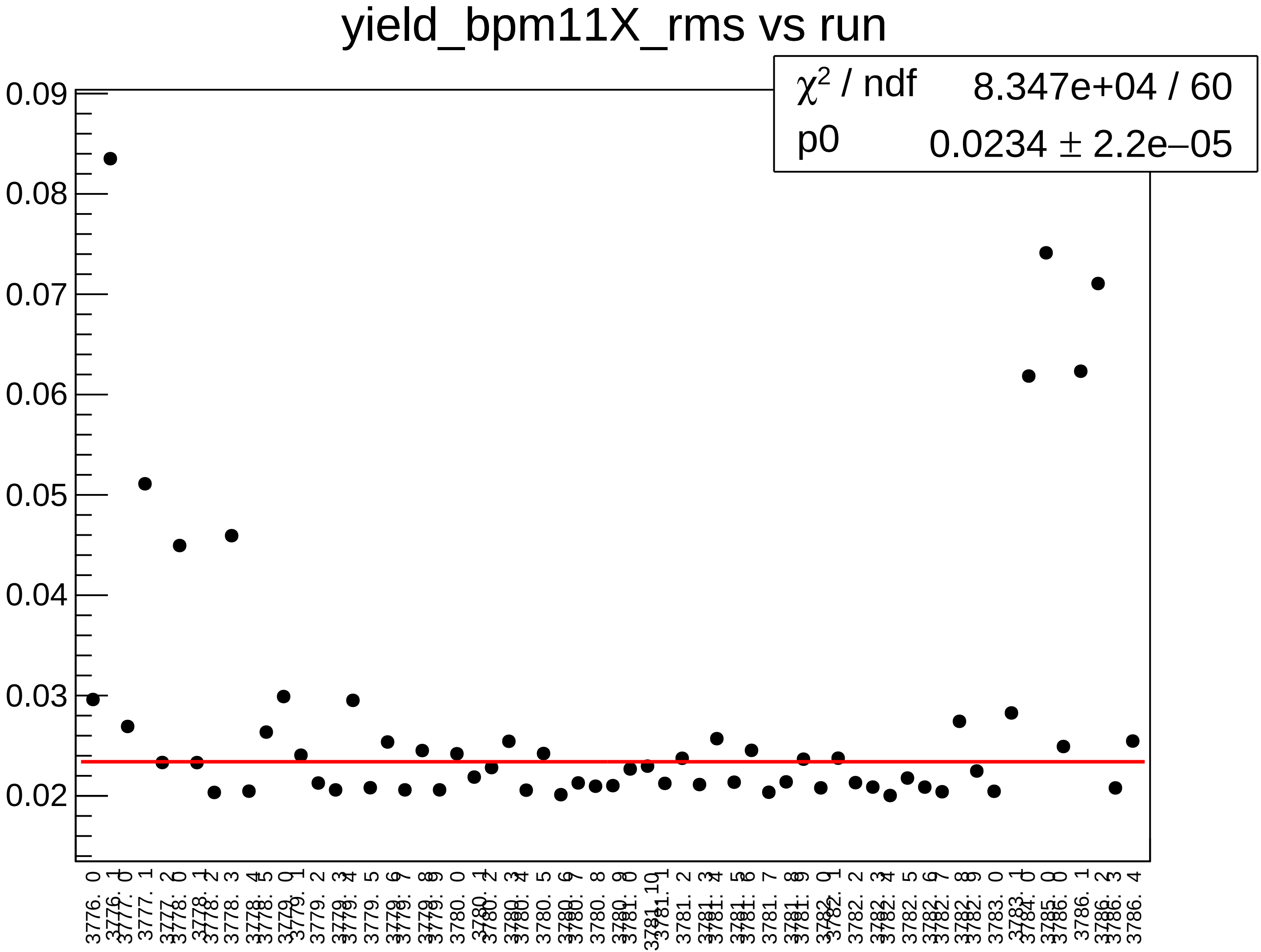


yield_bpm1Y_mean vs run
χ^2 / ndf 1.871e+06 / 60
p0 2.429 ± 9.981e−05
pull
Entries 61
Mean 22.75
Std Dev 12.87
pull1D
Entries 61
Mean −2.019
Std Dev 4.114

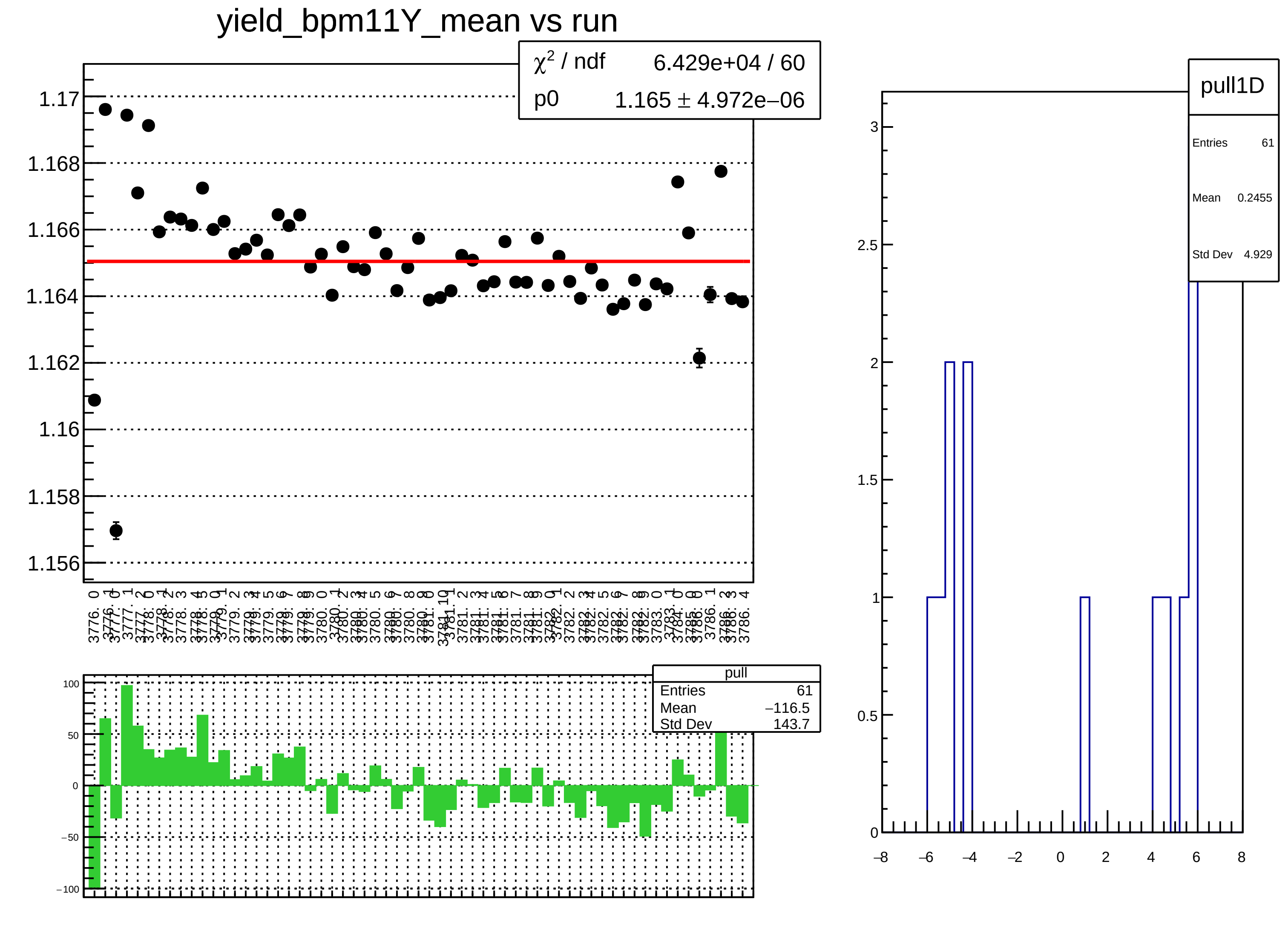


yield_bpm1Y_rms vs run
χ^2 / ndf 7.089e+05 / 60
p0 0.0502 ± 7.058e−05
0.25
0.2
0.15
0.1
0.05

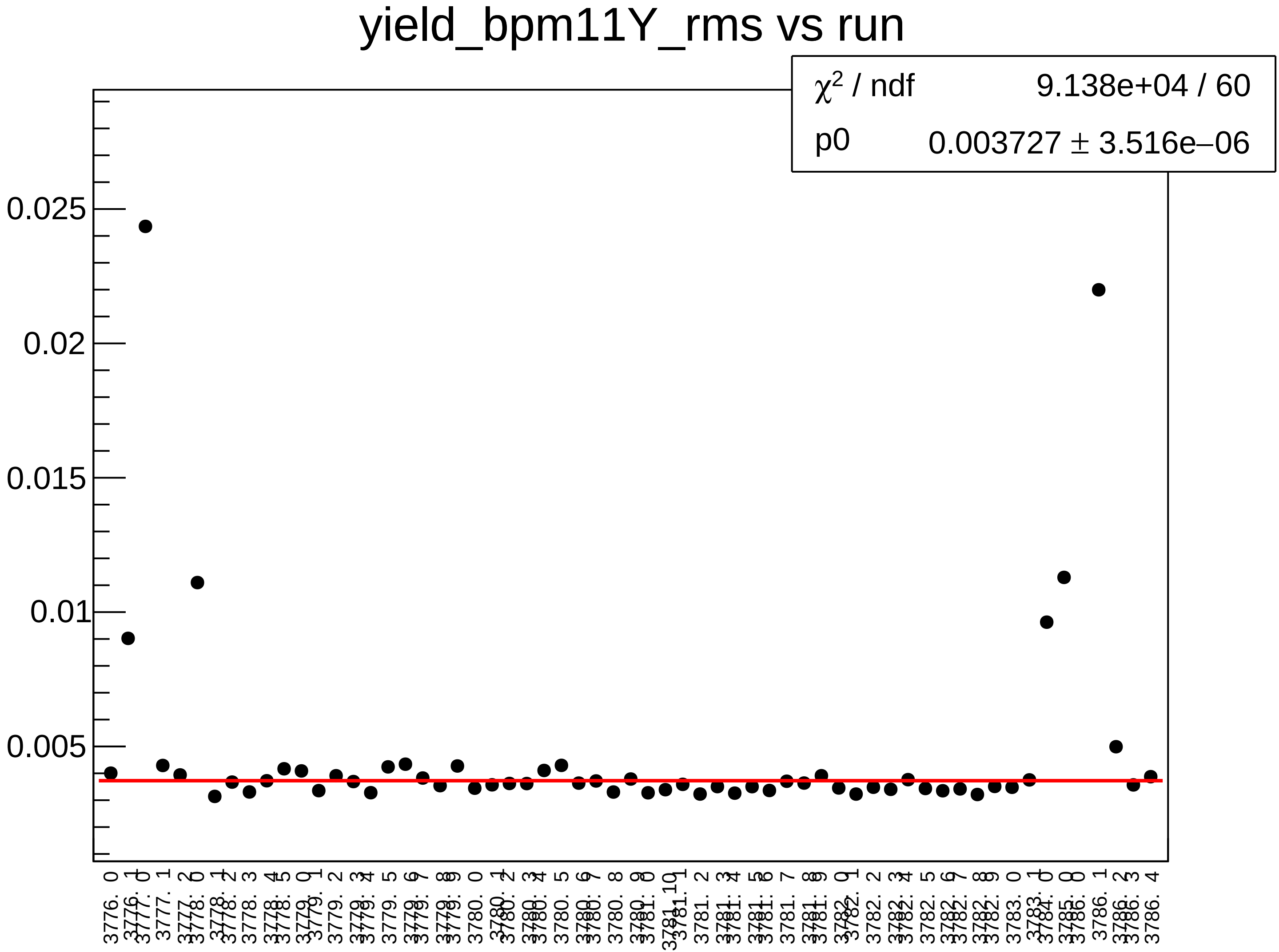

yield_bpm11X_mean vs run
χ^2 / ndf 1.322e+05 / 60
p0 1.191± 3.111e−05
pull
Entries 61
Mean 38.61
Std Dev 31.16
pull1D
Entries 61
Mean −2.772
Std Dev 5.28



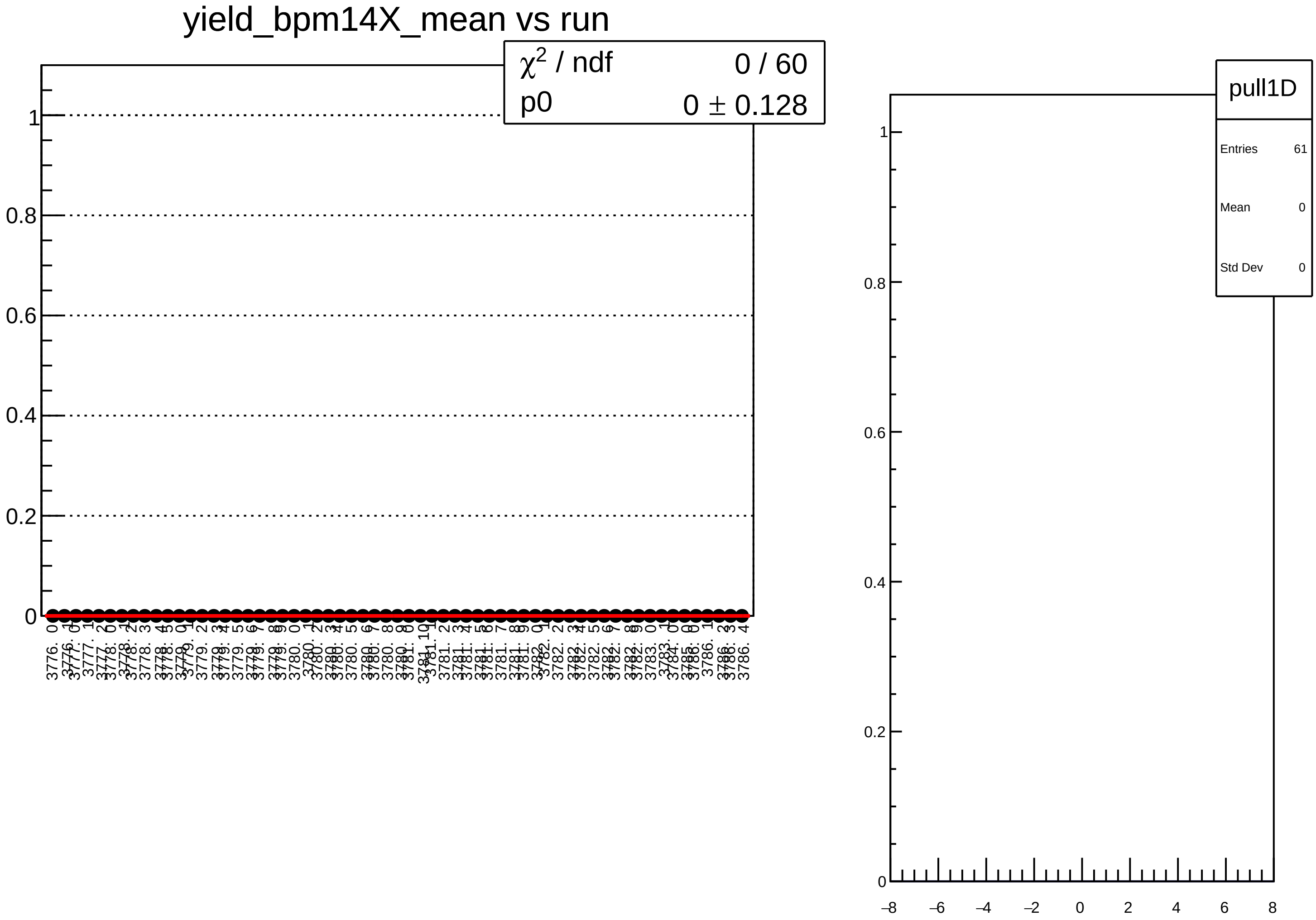
yield_bpm11X_rms vs run
χ2 / ndf 8.347e+04 / 60
p0 0.0234 ± 2.2e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02

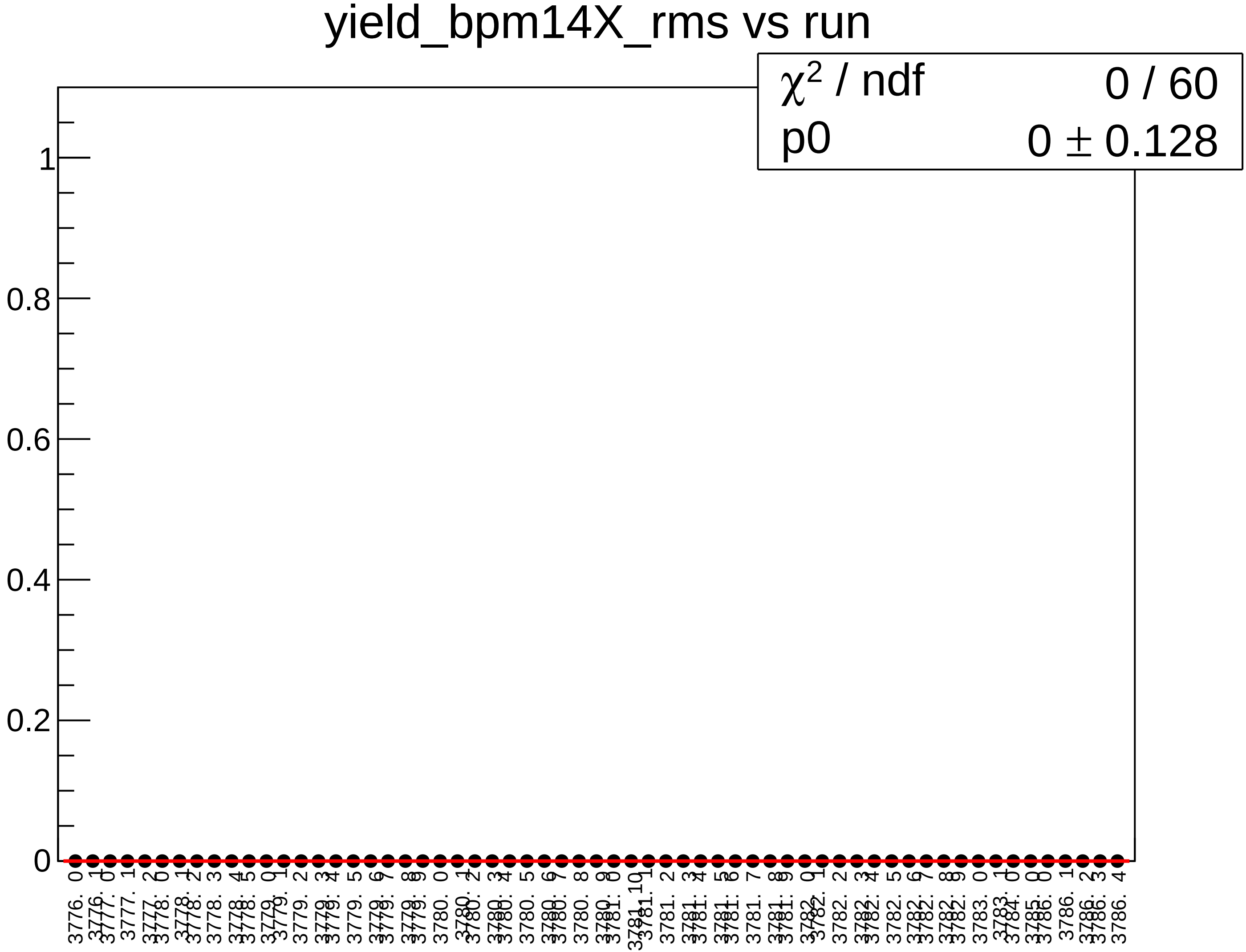


yield_bpm11Y_mean vs run
χ^2 / ndf 6.429e+04 / 60
p0 1.165 ± 4.972e−06
pull
Entries 61
Mean −116.5
Std Dev 143.7
pull1D
Entries 61
Mean 0.2455
Std Dev 4.929

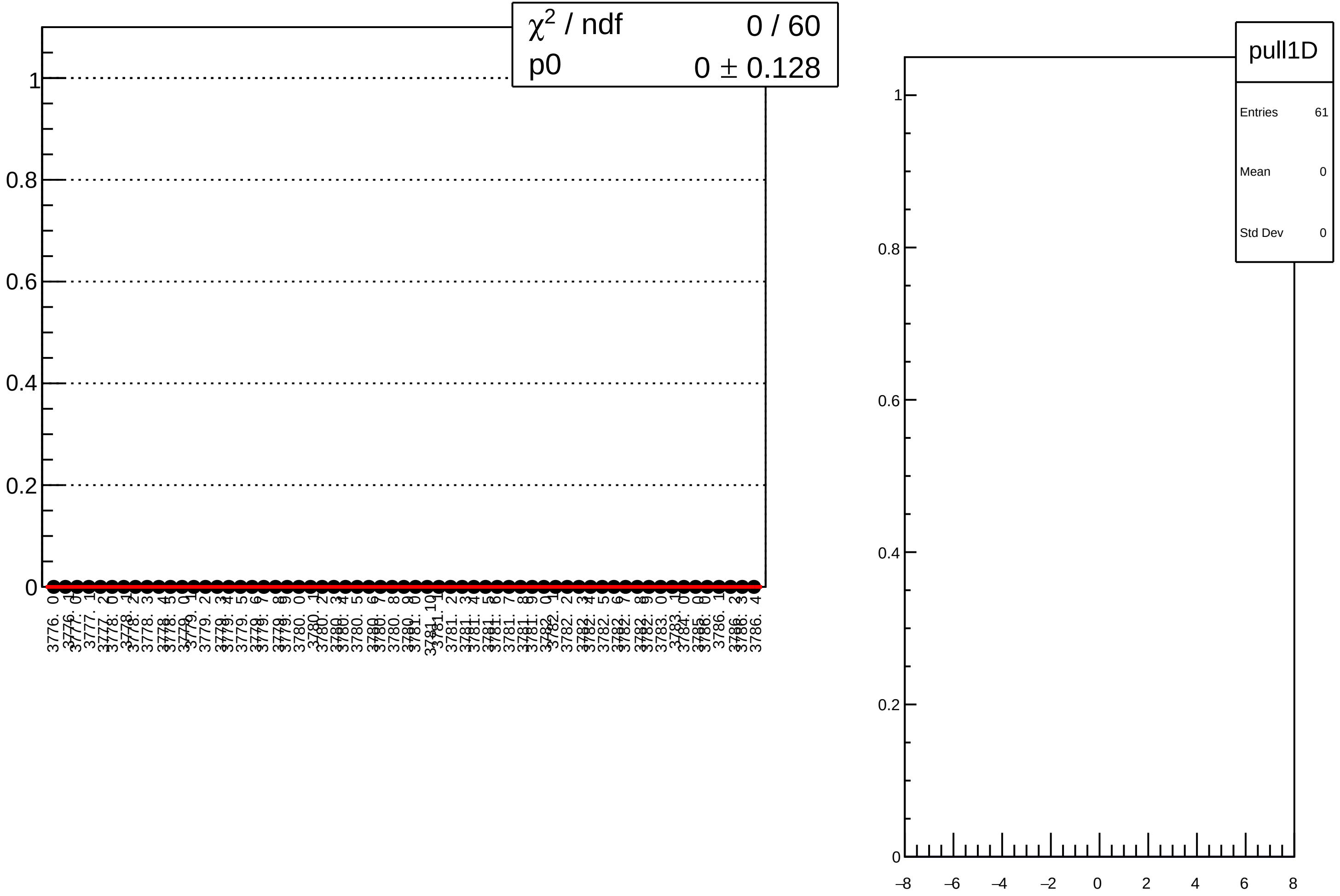


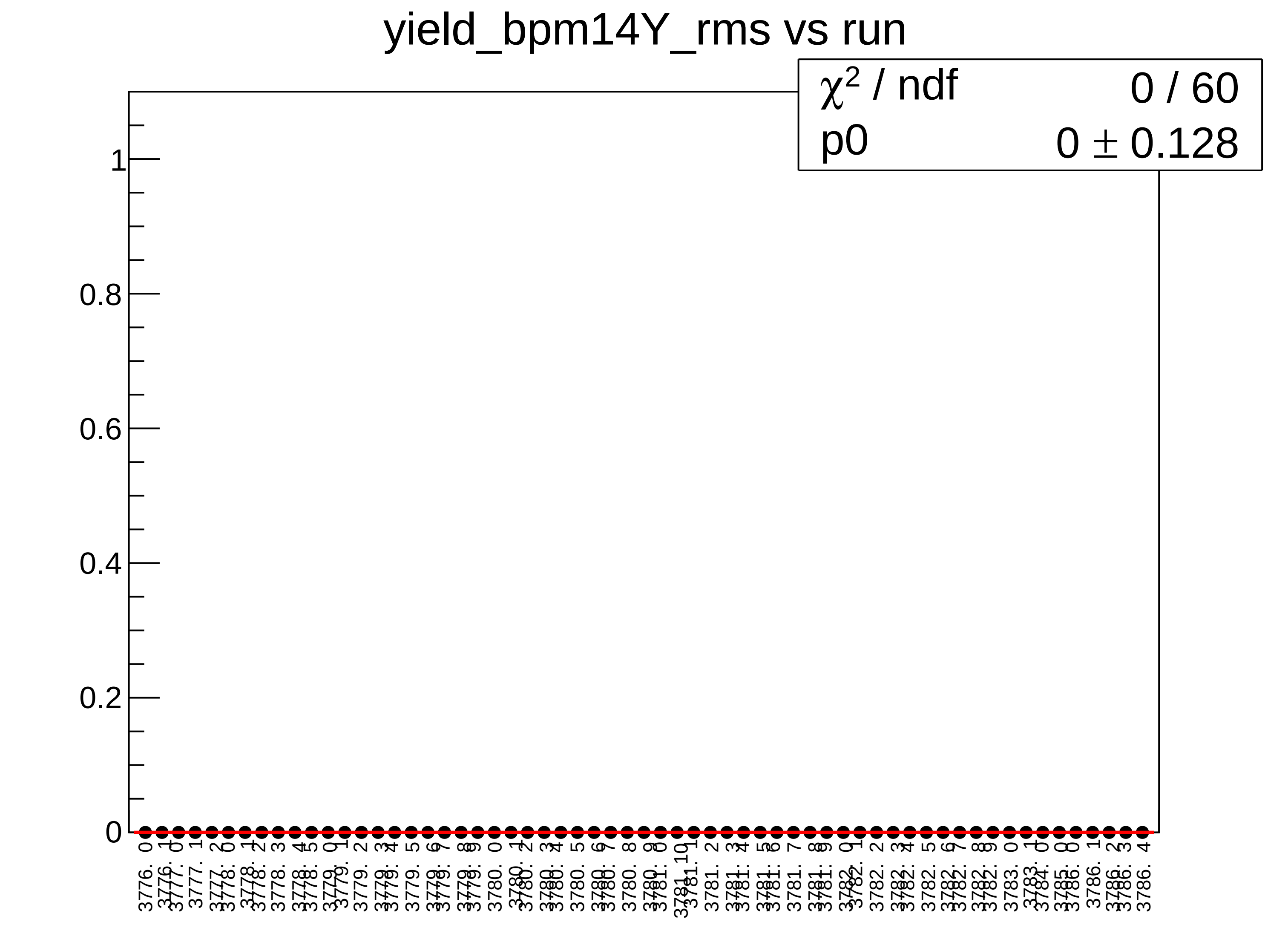
yield_bpm11Y_rms vs run
χ^2 / ndf 9.138e+04 / 60
p0 0.003727 ± 3.516e−06
0.025
0.02
0.015
0.01
0.005


yield_bpm14X_mean vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
pull1D
Entries 61
Mean 0
Std Dev 0

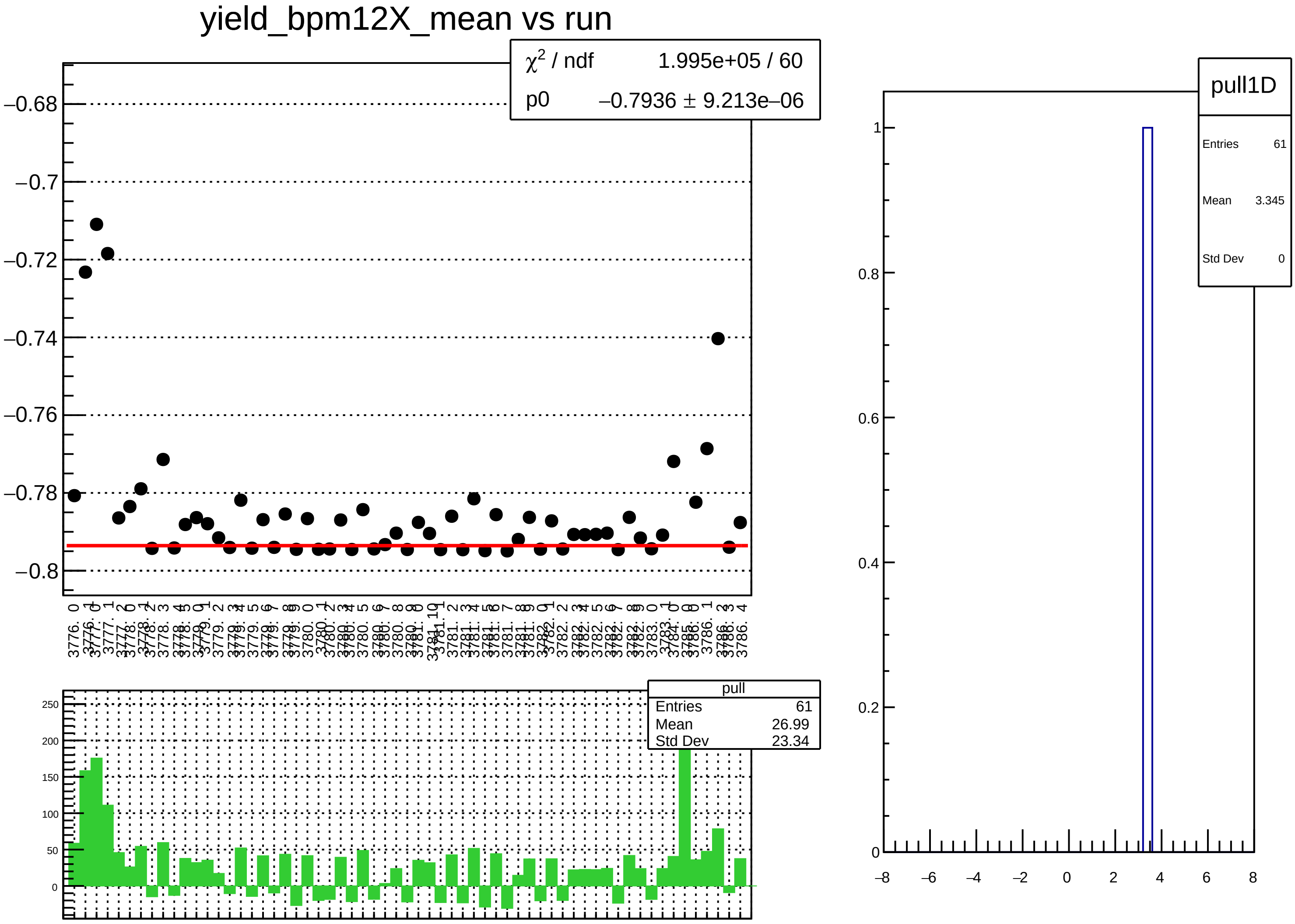

yield_bpm14X_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0

yield_bpm14Y_mean vs run

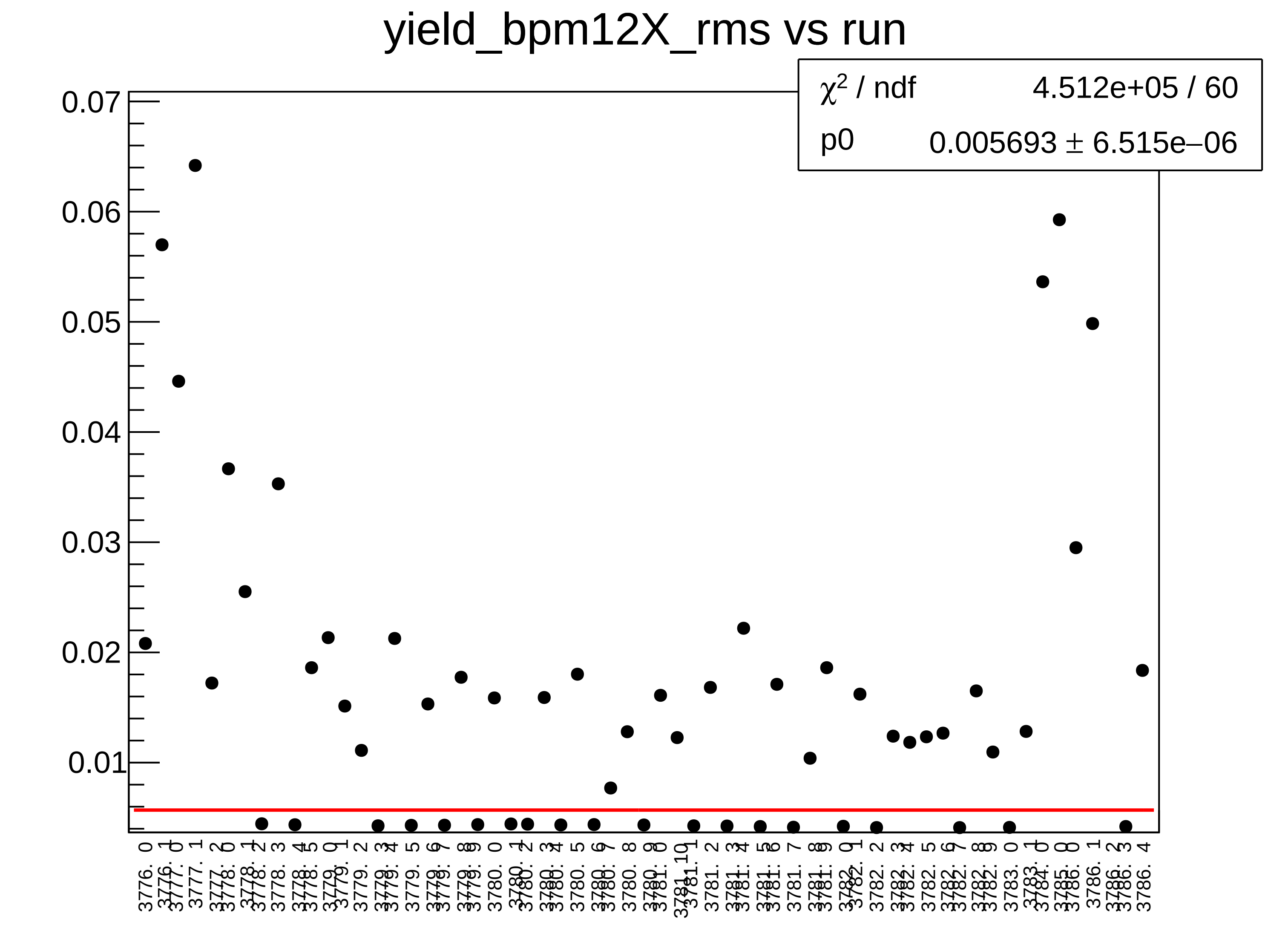




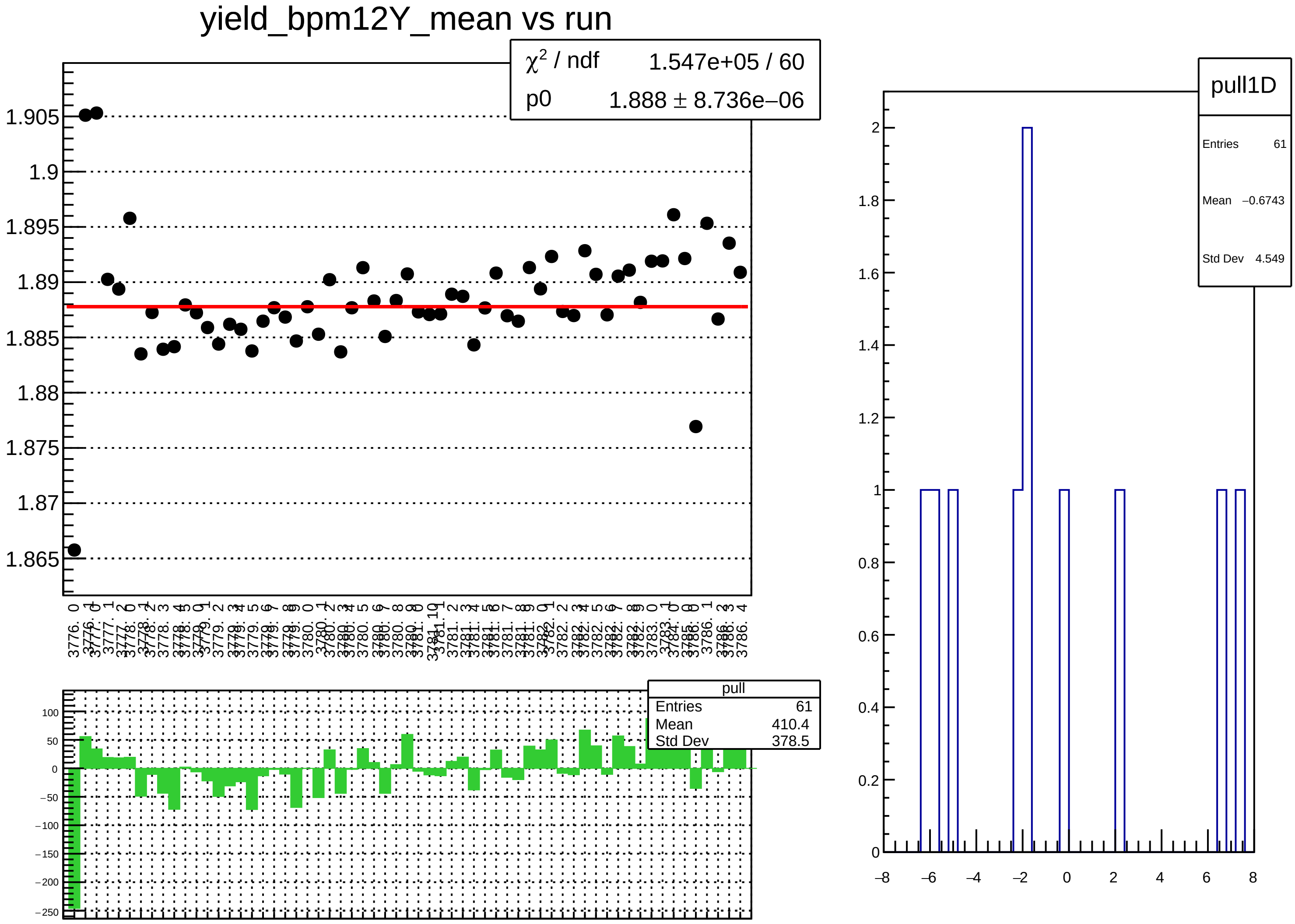
yield_bpm14Y_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
0
0.2
0.4
0.6
0.8
1



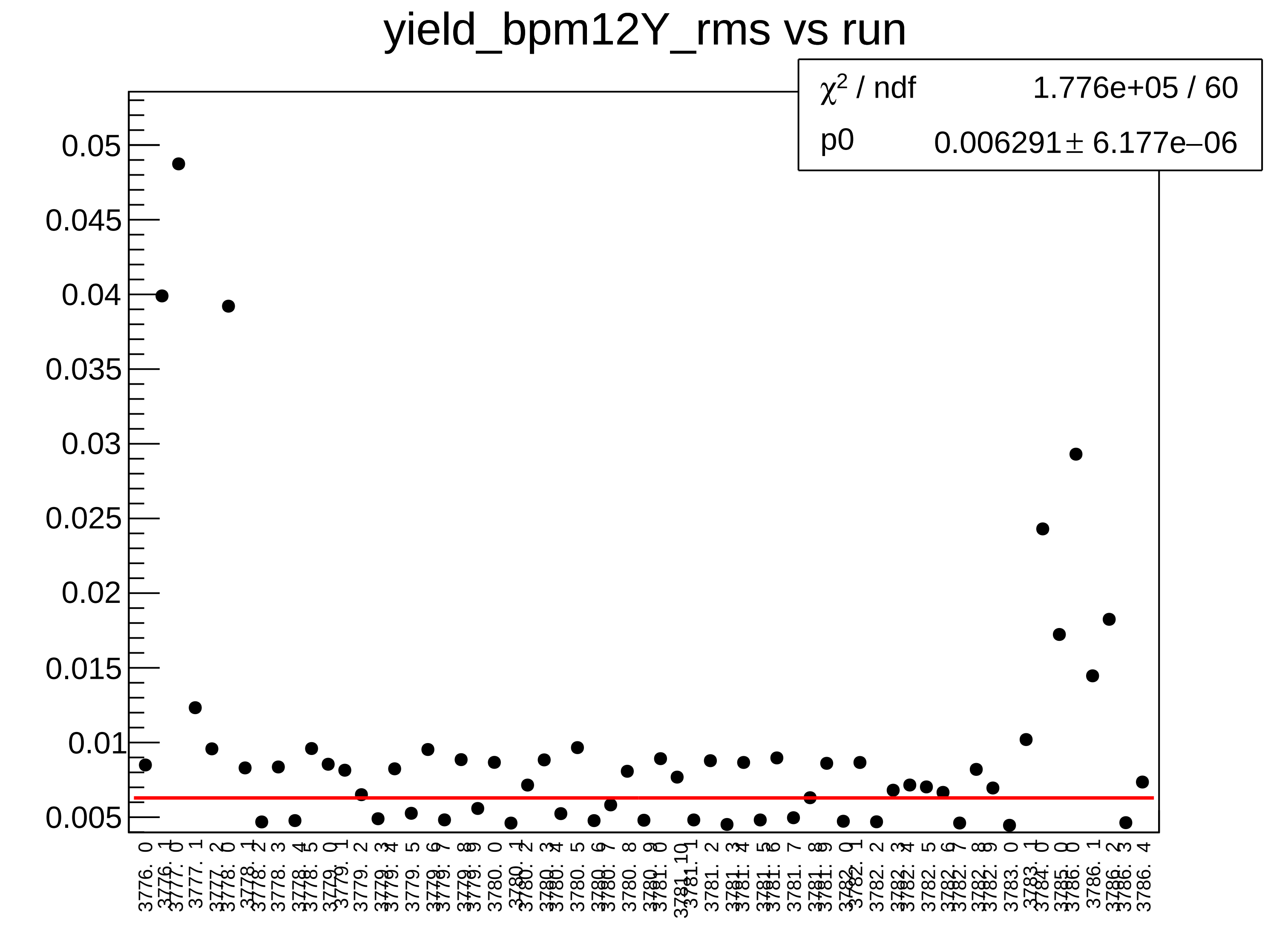
yield_bpm12X_mean vs run
χ^2 / ndf 1.995e+05 / 60
p0 −0.7936 ± 9.213e−06
pull
Entries 61
Mean 26.99
Std Dev 23.34
pull1D
Entries 61
Mean 3.345
Std Dev 0



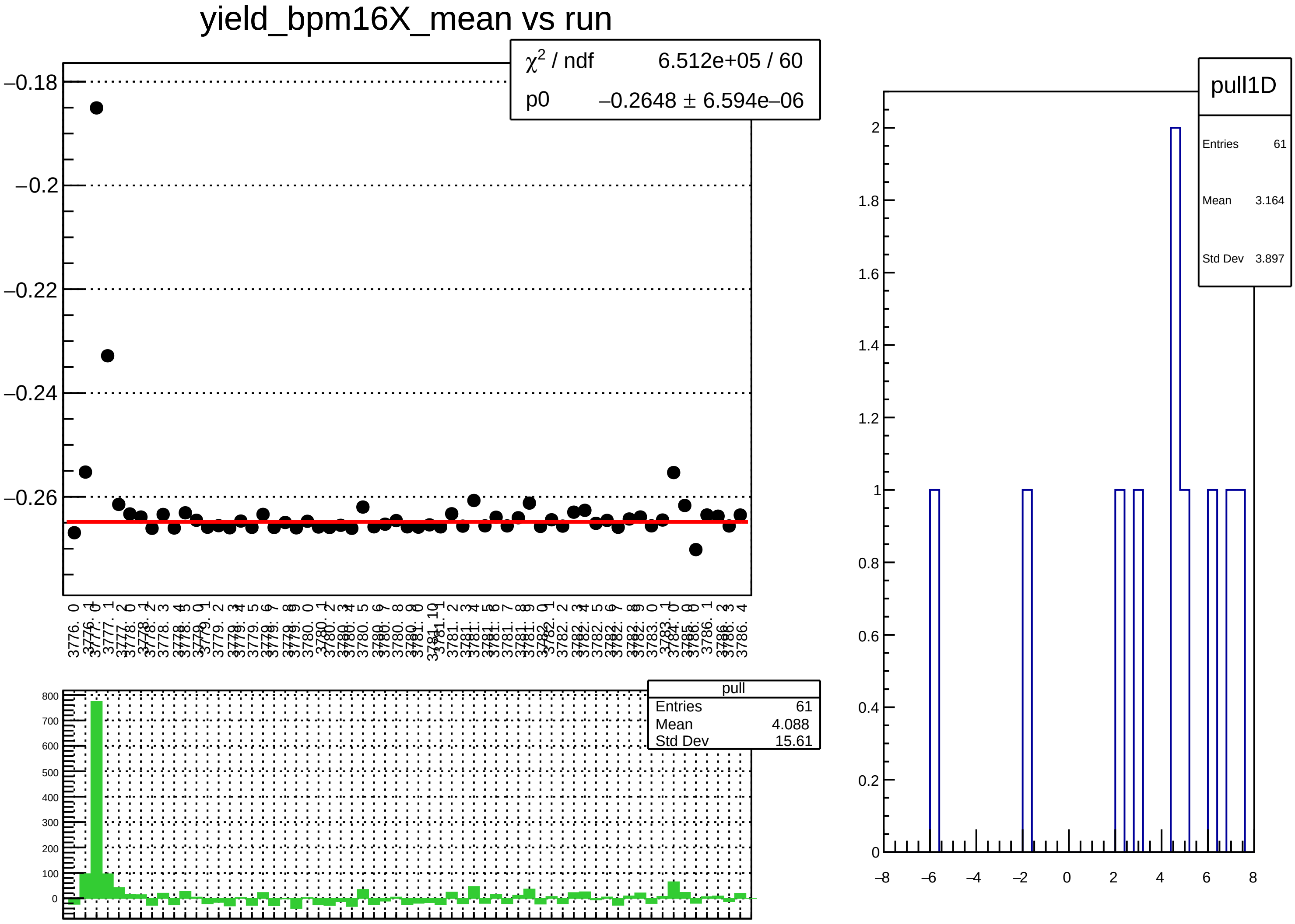
yield_bpm12X_rms vs run
χ^2 / ndf 4.512e+05 / 60
p0 0.005693 ± 6.515e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01



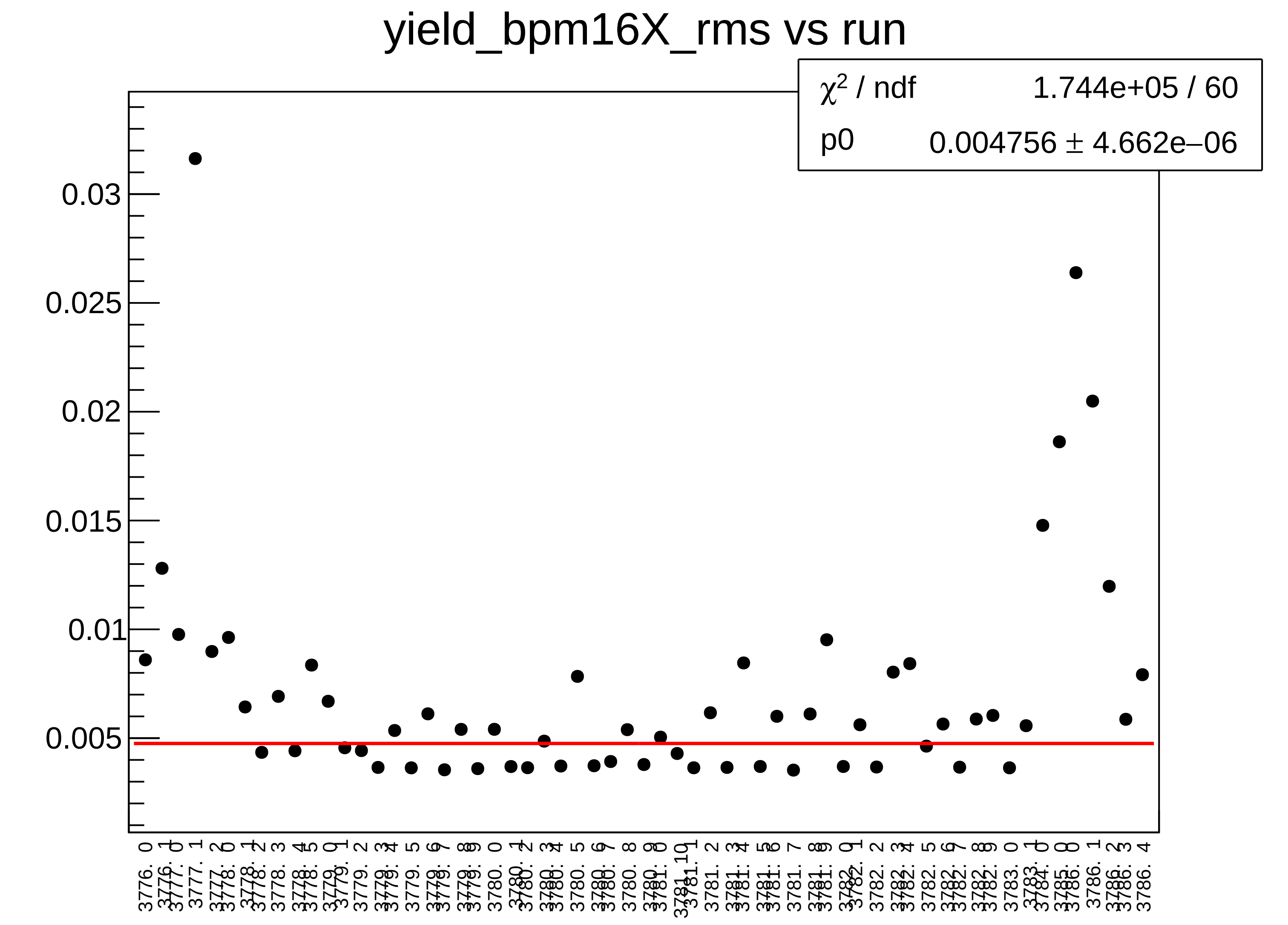
yield_bpm12Y_mean vs run
χ2 / ndf 1.547e+05 / 60
p0 1.888 ± 8.736e−06
pull
Entries 61
Mean 410.4
Std Dev 378.5
pull1D
Entries 61
Mean −0.6743
Std Dev 4.549

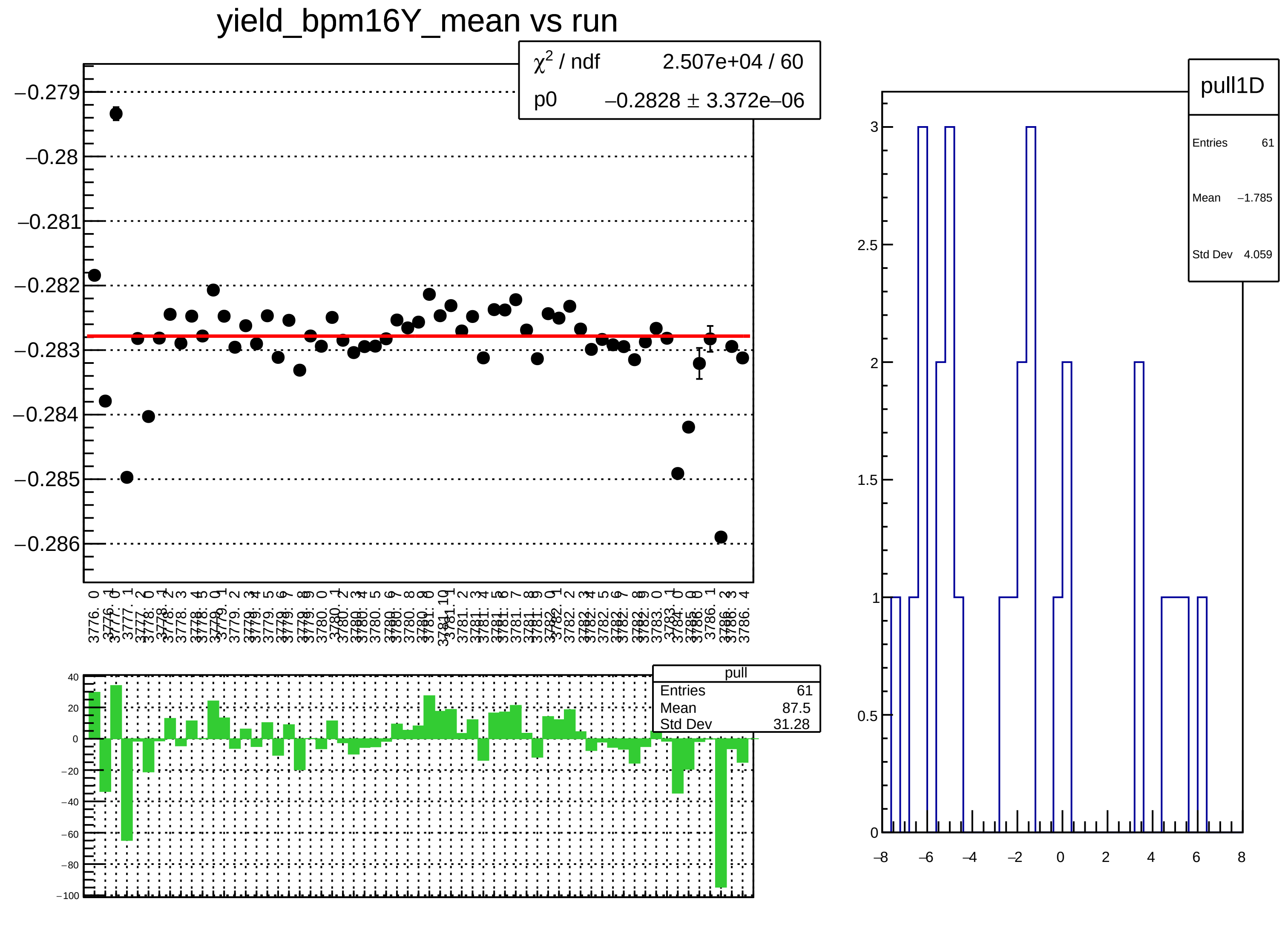


yield_bpm12Y_rms vs run
χ^2 / ndf 1.776e+05 / 60
p0 0.006291 ± 6.177e−06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

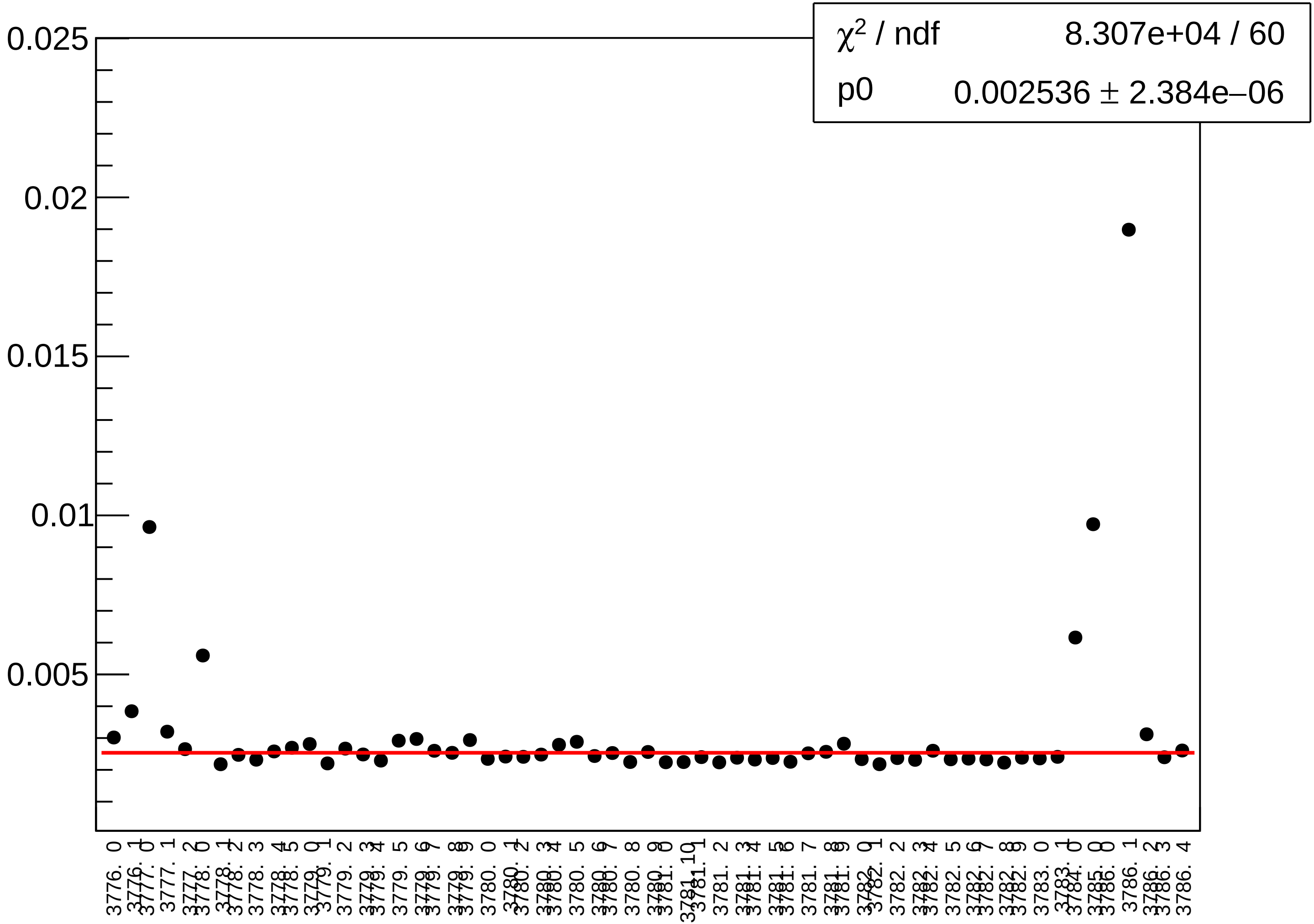


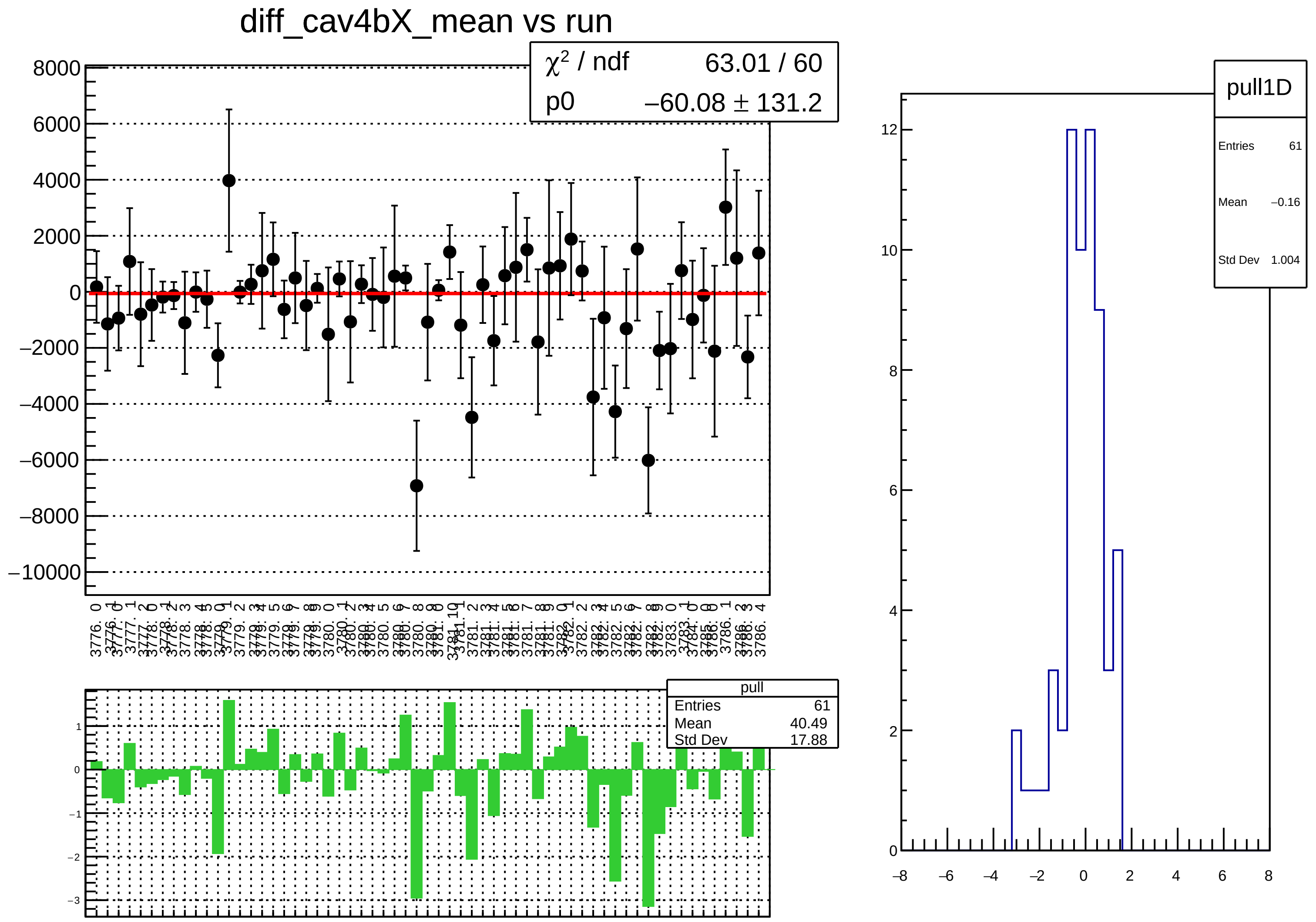
yield_bpm16X_mean vs run
χ^2 / ndf 6.512e+05 / 60
p0 −0.2648 ± 6.594e−06
pull
Entries 61
Mean 4.088
Std Dev 15.61
pull1D
Entries 61
Mean 3.164
Std Dev 3.897


yield_bpm16X_rms vs run
χ^2 / ndf 1.744e+05 / 60
p0 0.004756 ± 4.662e−06
0.03
0.025
0.02
0.015
0.01
0.005

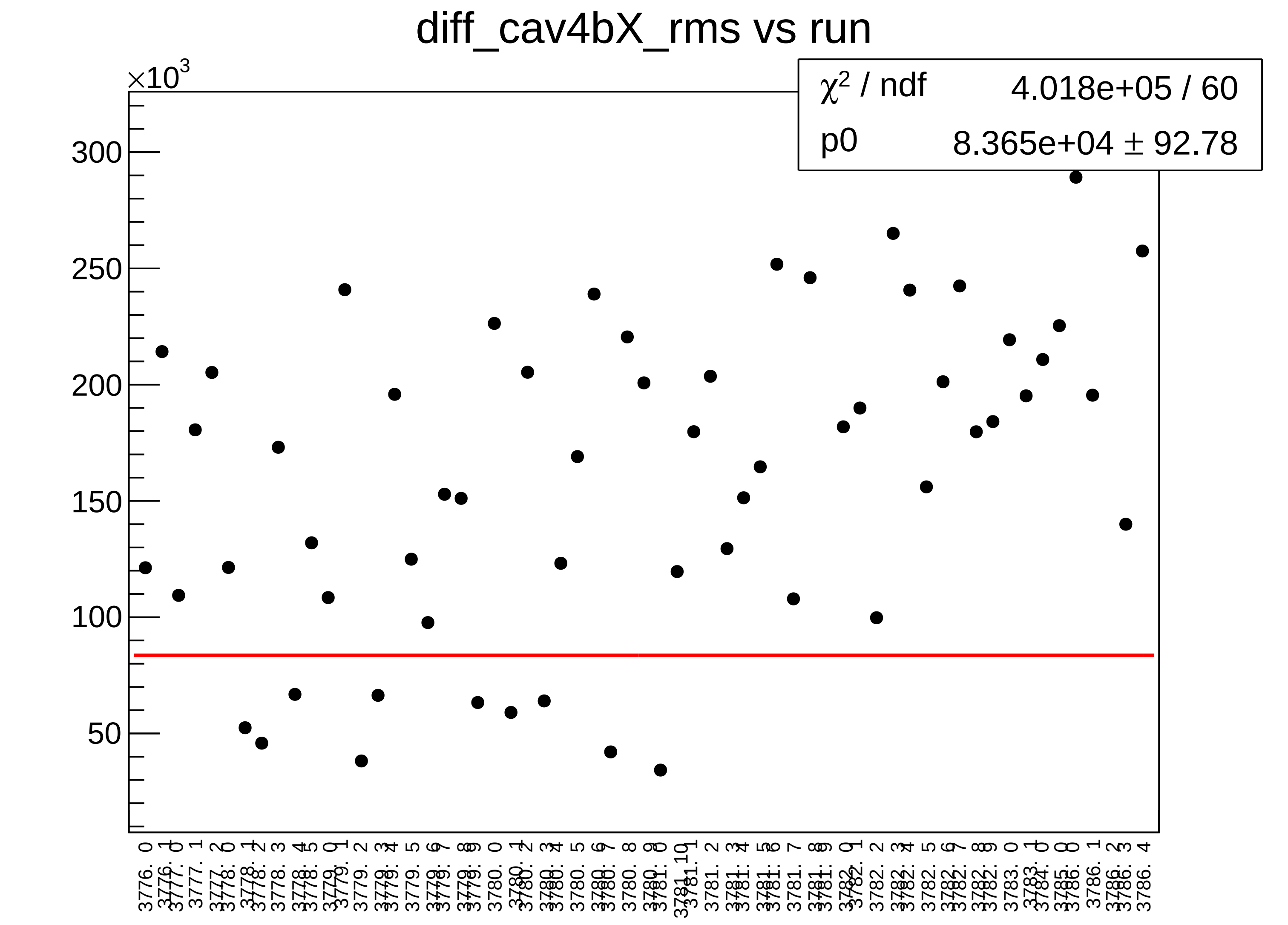

yield_bpm16Y_mean vs run
χ^2 / ndf 2.507e+04 / 60
p0 −0.2828 ± 3.372e−06
pull
Entries 61
Mean 87.5
Std Dev 31.28
pull1D
Entries 61
Mean −1.785
Std Dev 4.059

yield_bpm16Y_rms vs run

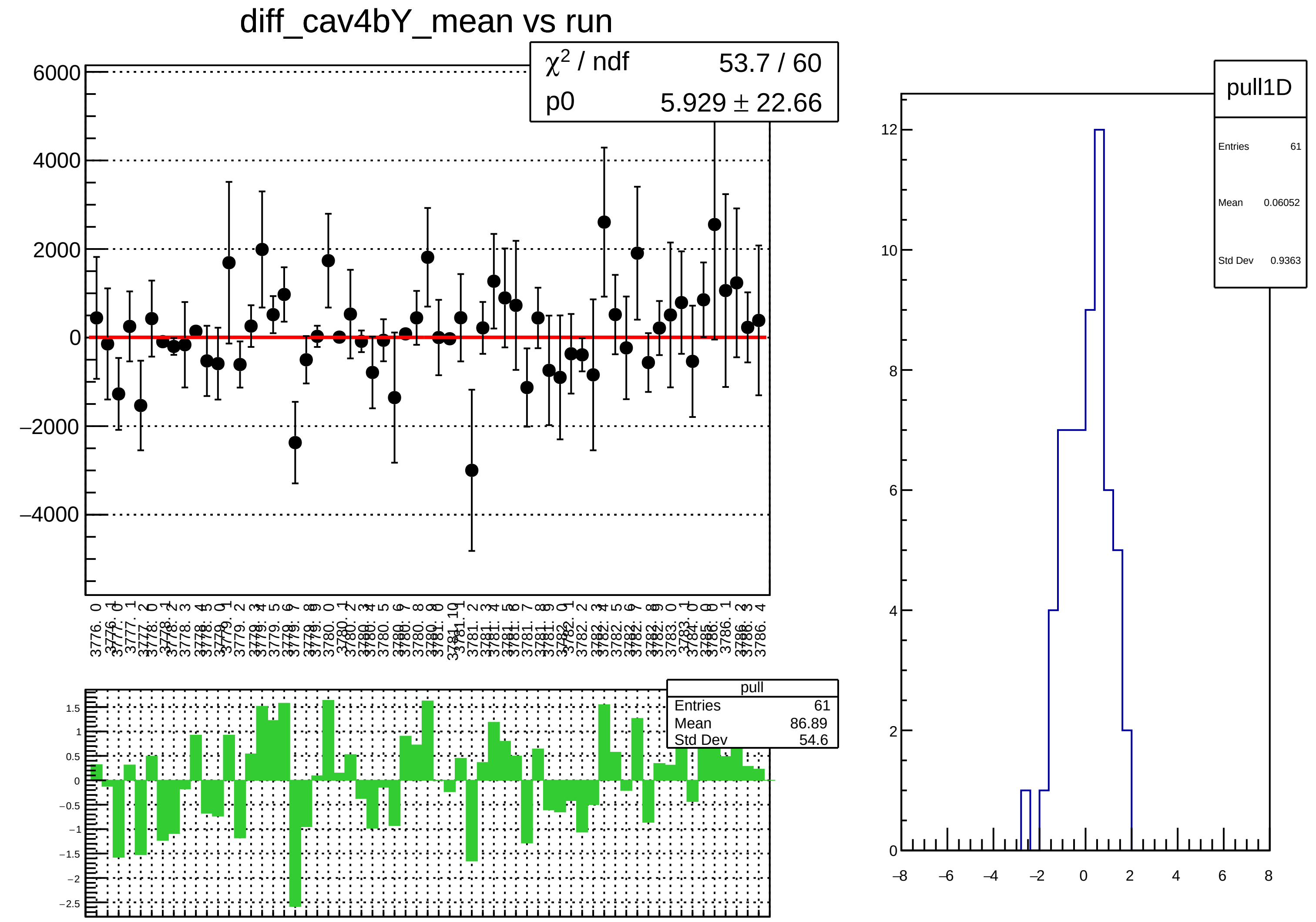




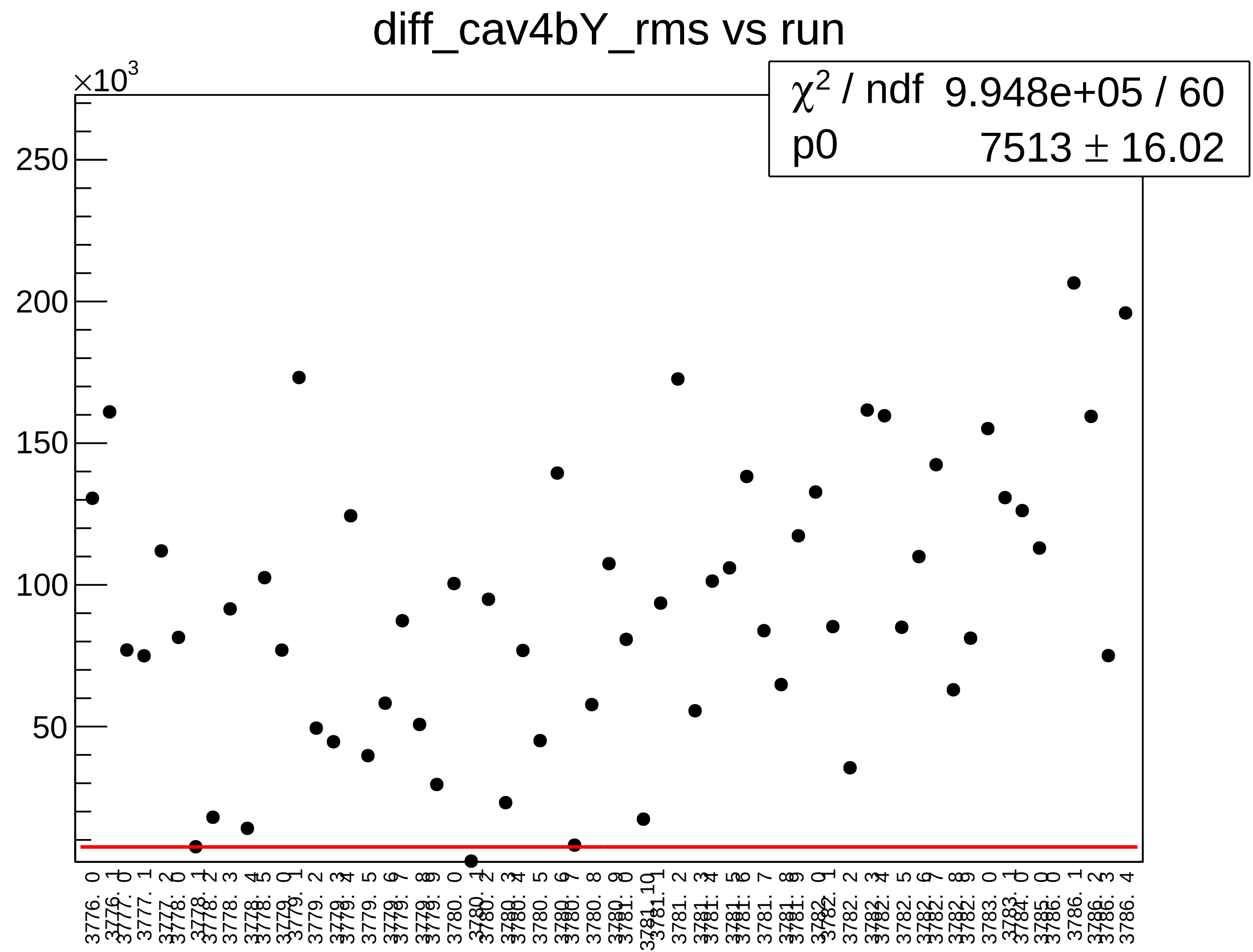
diff_cav4bX_mean vs run
χ2 / ndf 63.01 / 60
p0 −60.08 ± 131.2
pull
Entries 61
Mean 40.49
Std Dev 17.88
pull1D
Entries 61
Mean −0.16
Std Dev 1.004

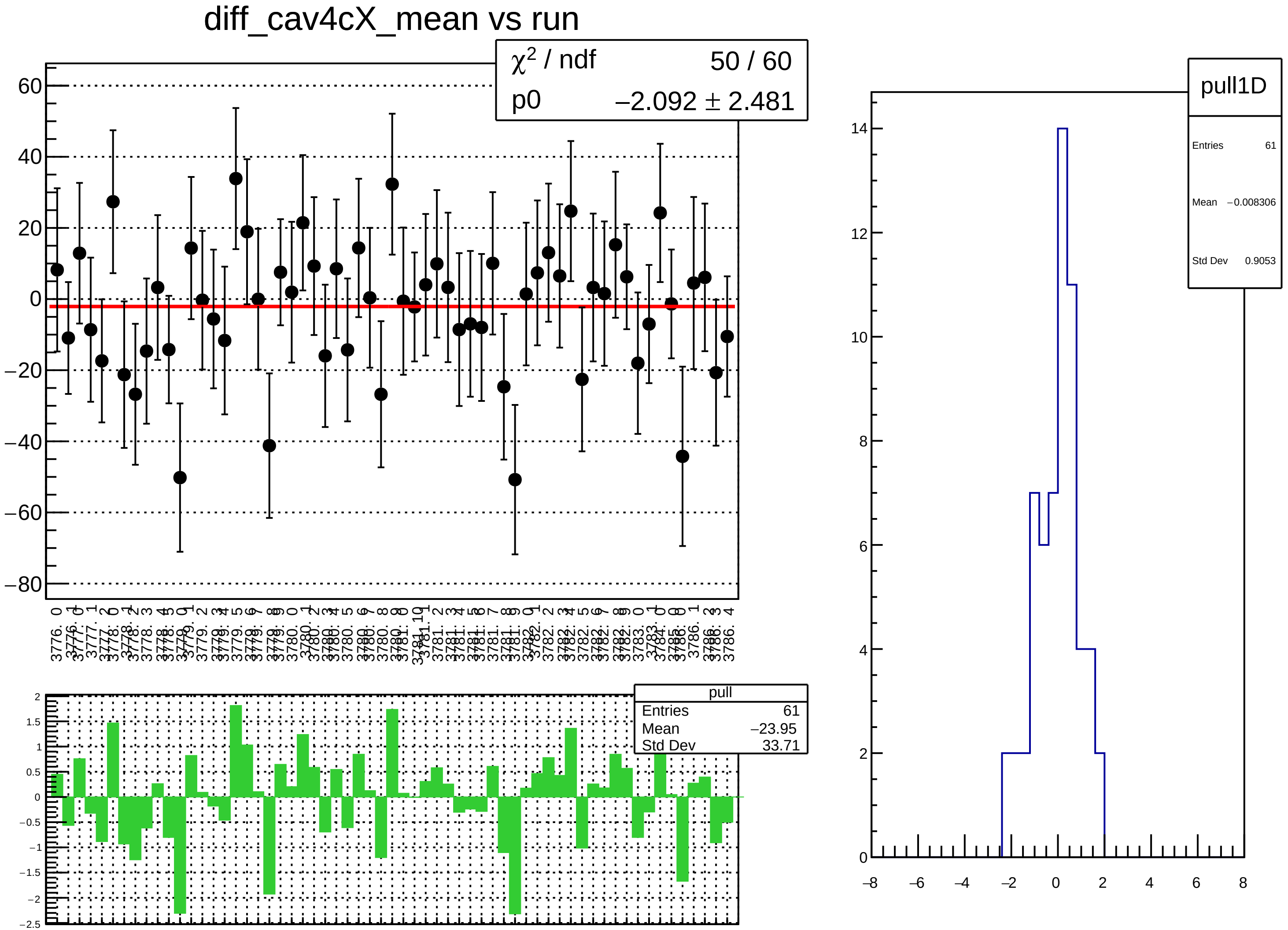


diff_cav4bX_rms vs run
×10^3
χ2 / ndf 4.018e+05 / 60
p0 8.365e+04 ± 92.78
300
250
200
150
100
50

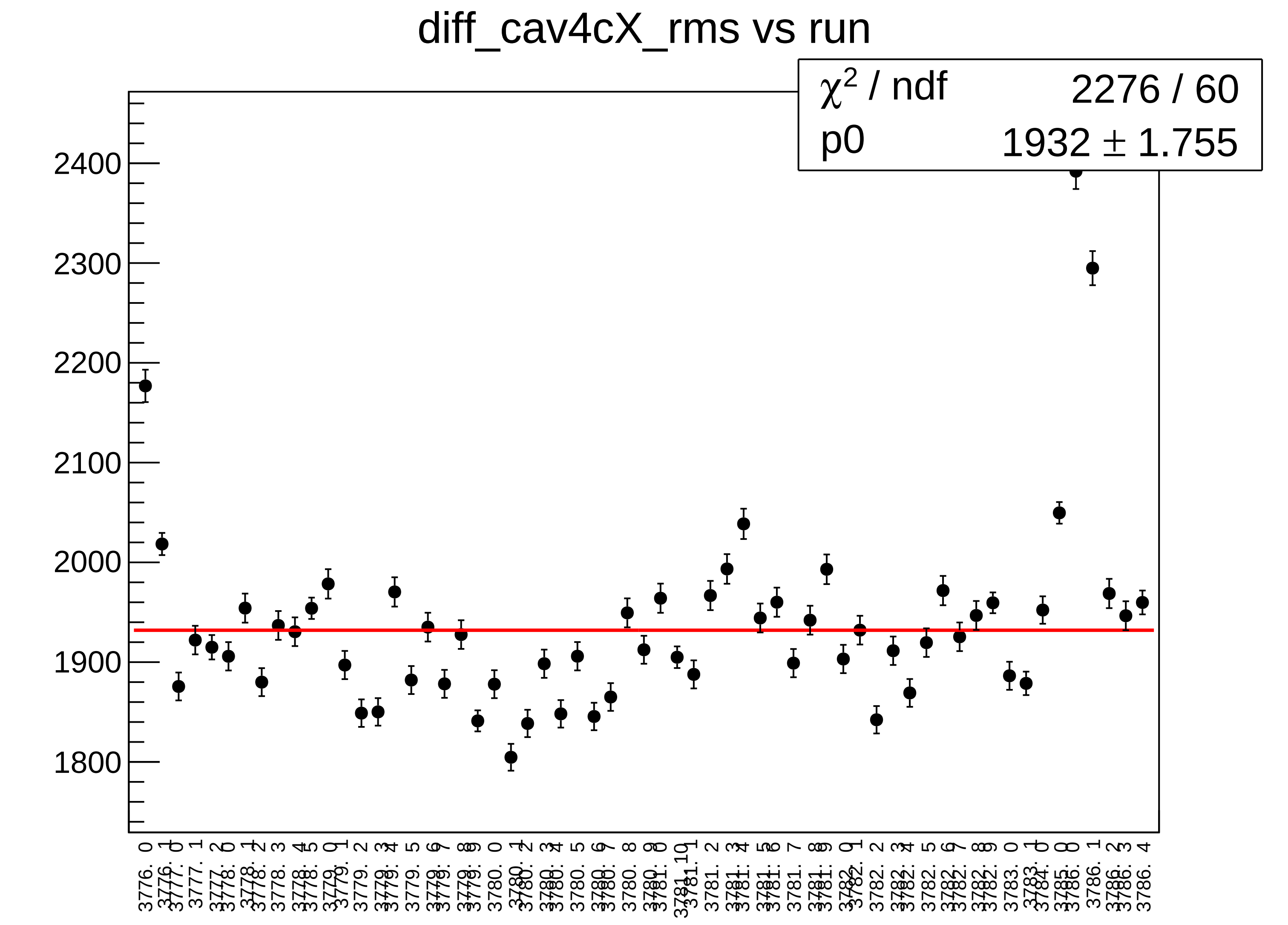


diff_cav4bY_mean vs run
χ^2 / ndf 53.7 / 60
p0 5.929 ± 22.66
pull
Entries 61
Mean 86.89
Std Dev 54.6
pull1D
Entries 61
Mean 0.06052
Std Dev 0.9363

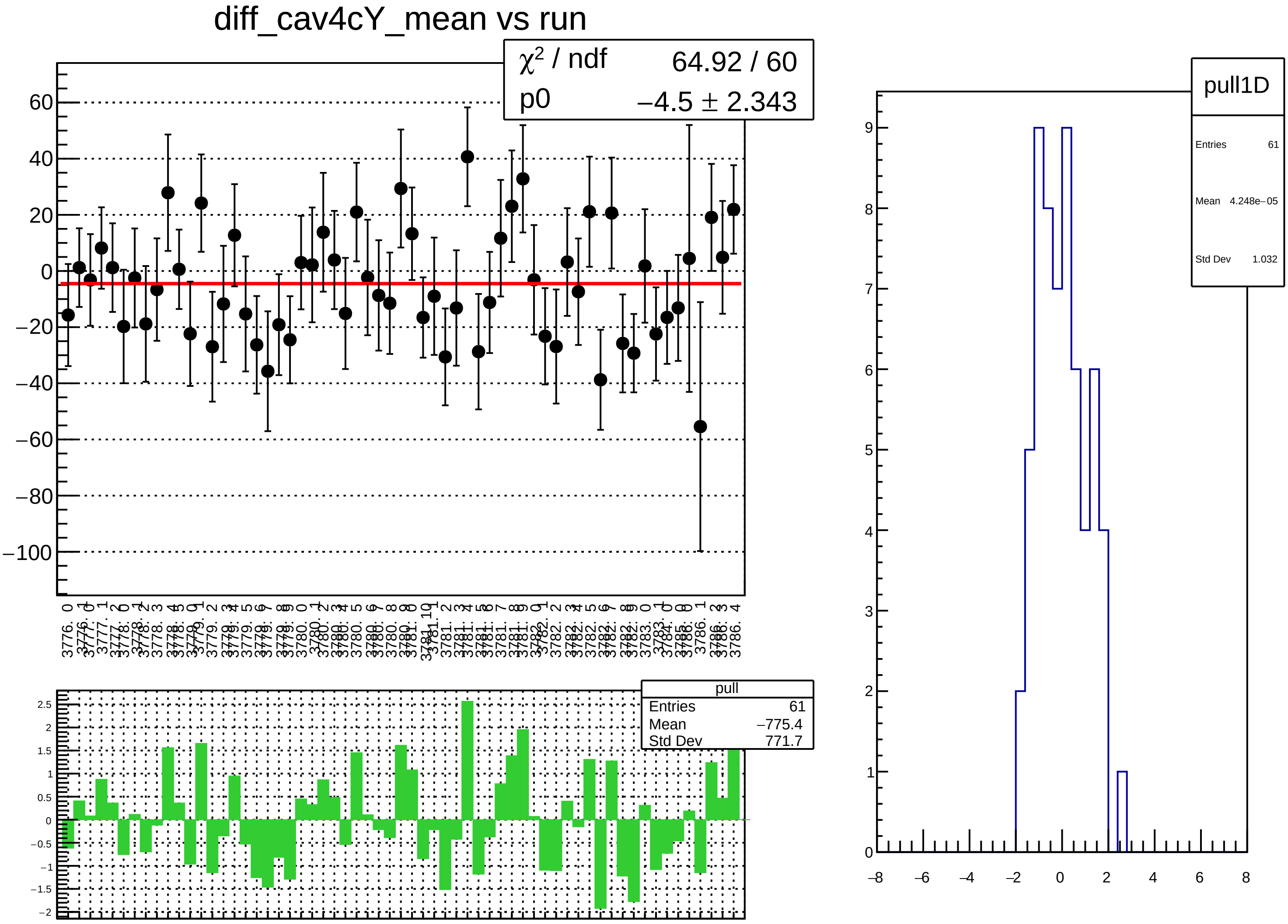

diff_cav4bY_rms vs run
$\times10^{3}$
χ^2 / ndf 9.948e+05 / 60
p0 7513 ± 16.02
250
200
150
100
50



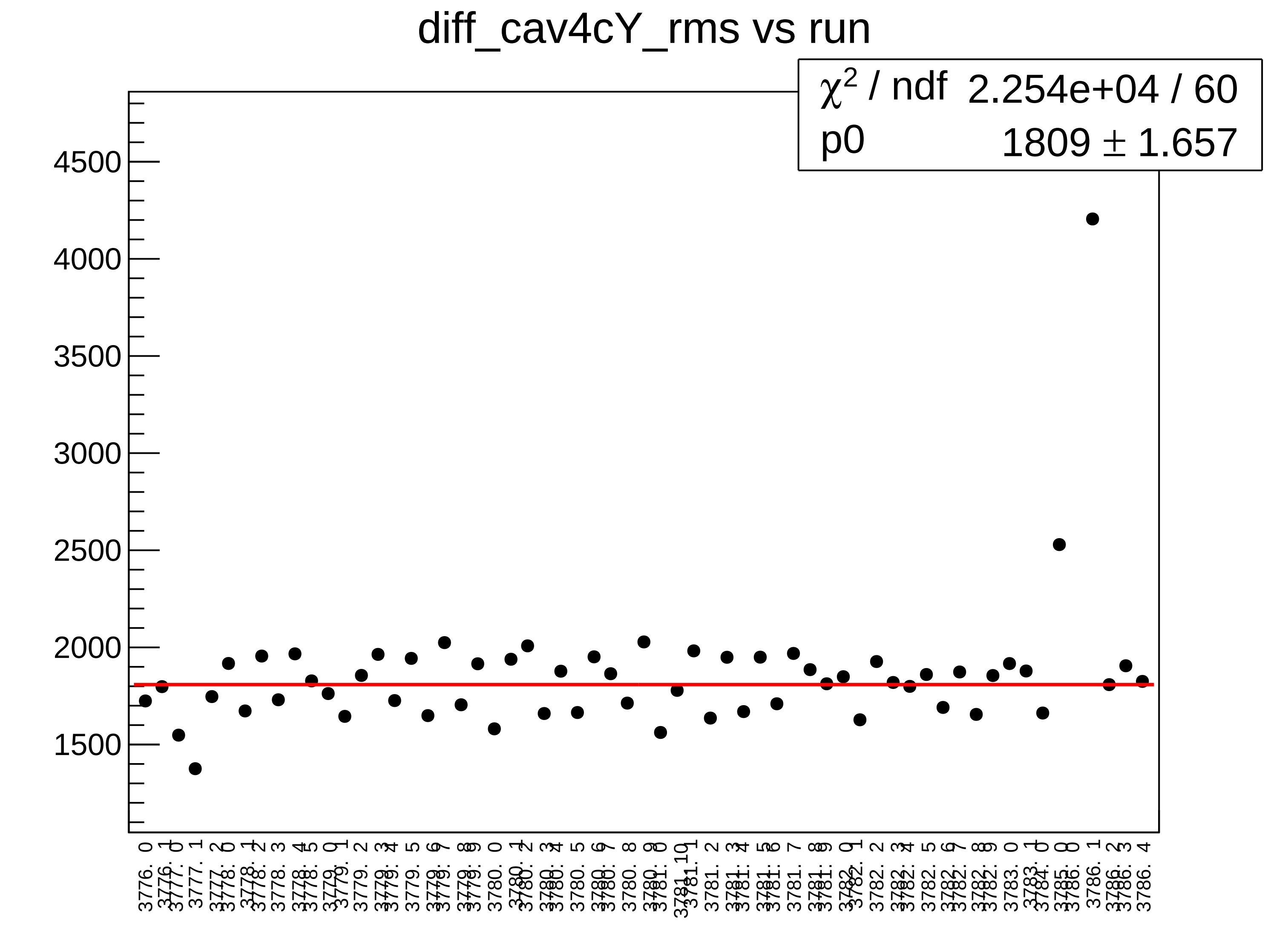
diff_cav4cX_mean vs run
χ2 / ndf 50 / 60
p0 −2.092 ± 2.481
pull
Entries 61
Mean −23.95
Std Dev 33.71
pull1D
Entries 61
Mean −0.008306
Std Dev 0.9053

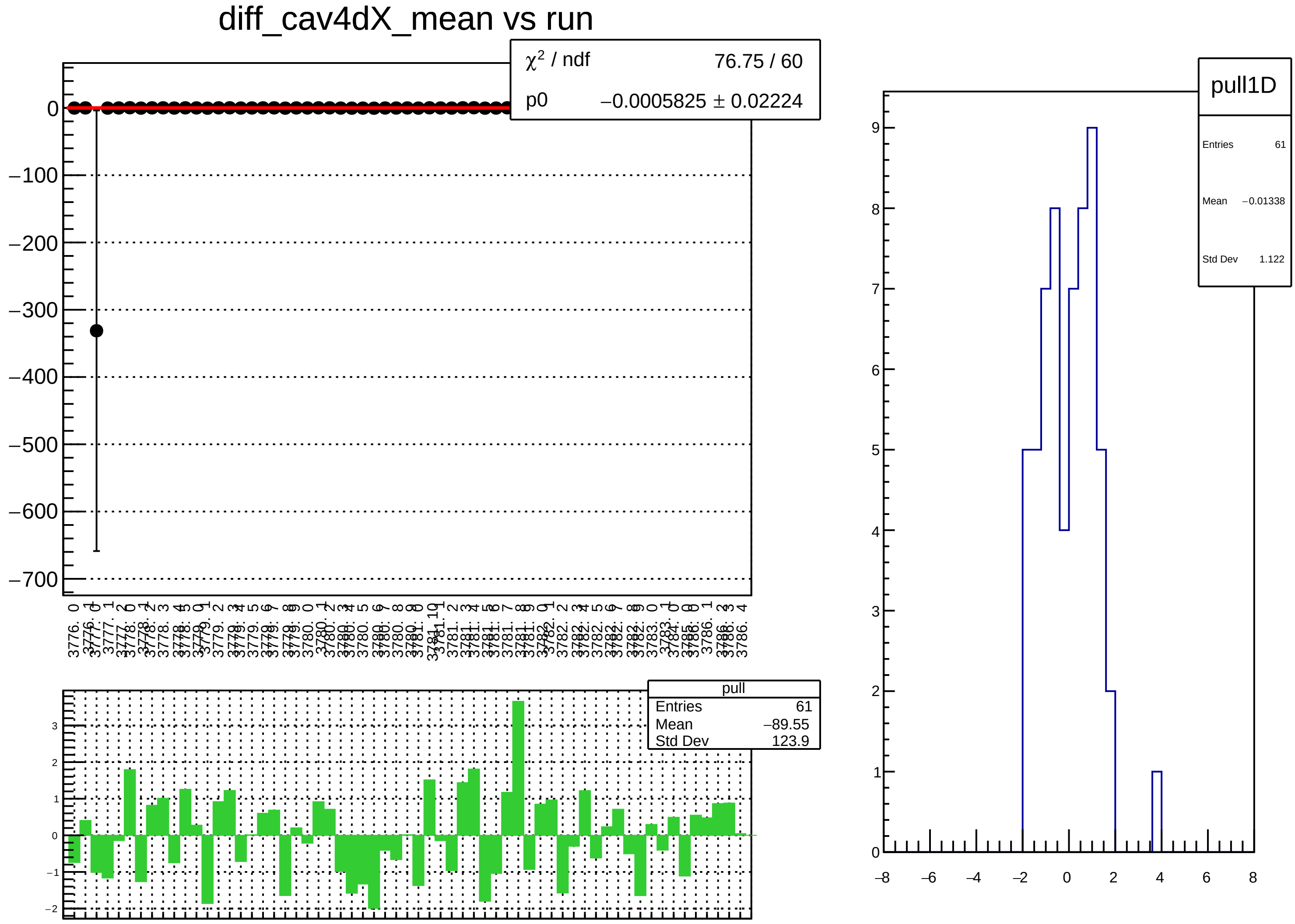


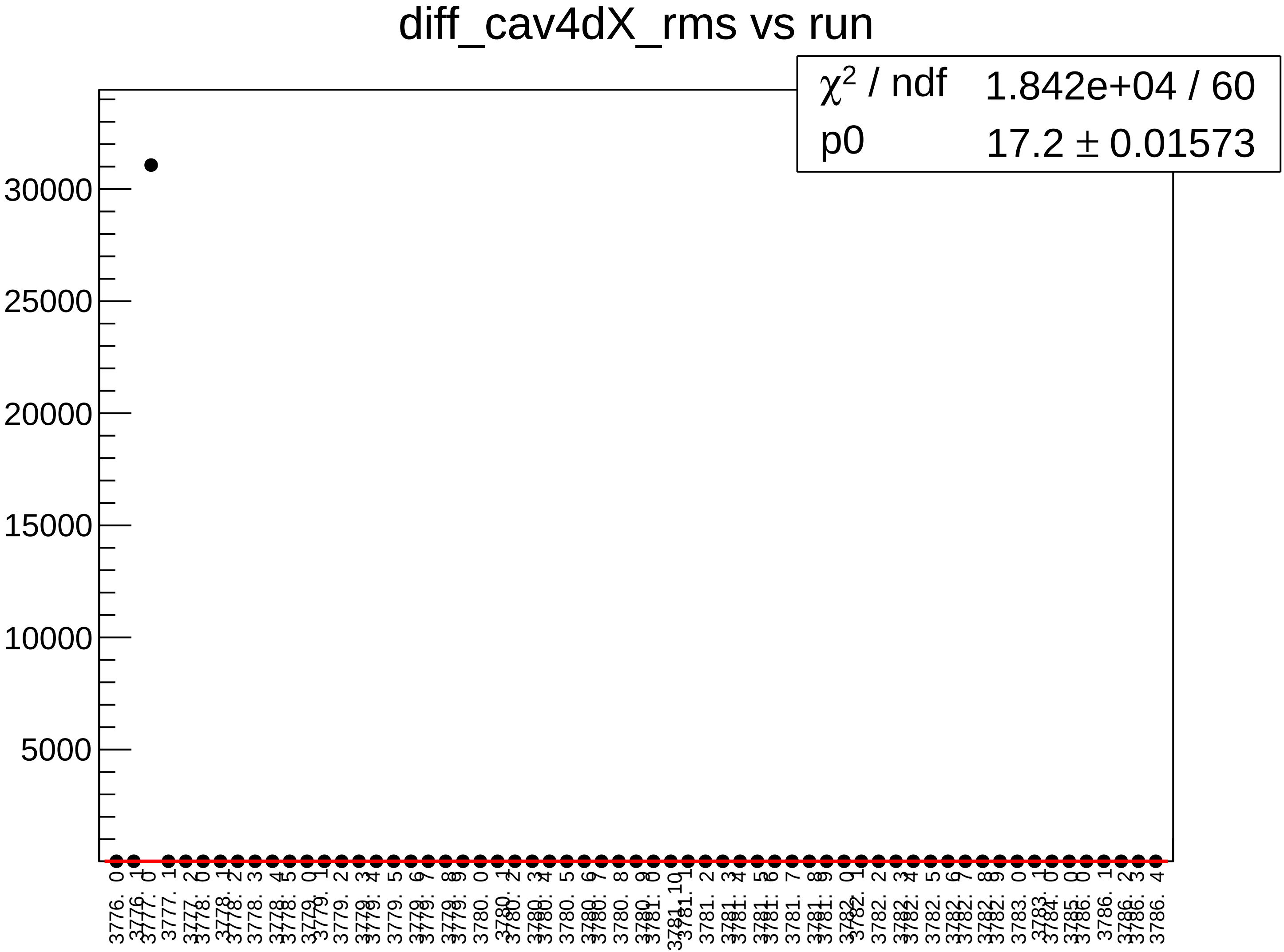
diff_cav4cX_rms vs run
χ² / ndf 2276 / 60
p0 1932 ± 1.755
2400
2300
2200
2100
2000
1900
1800



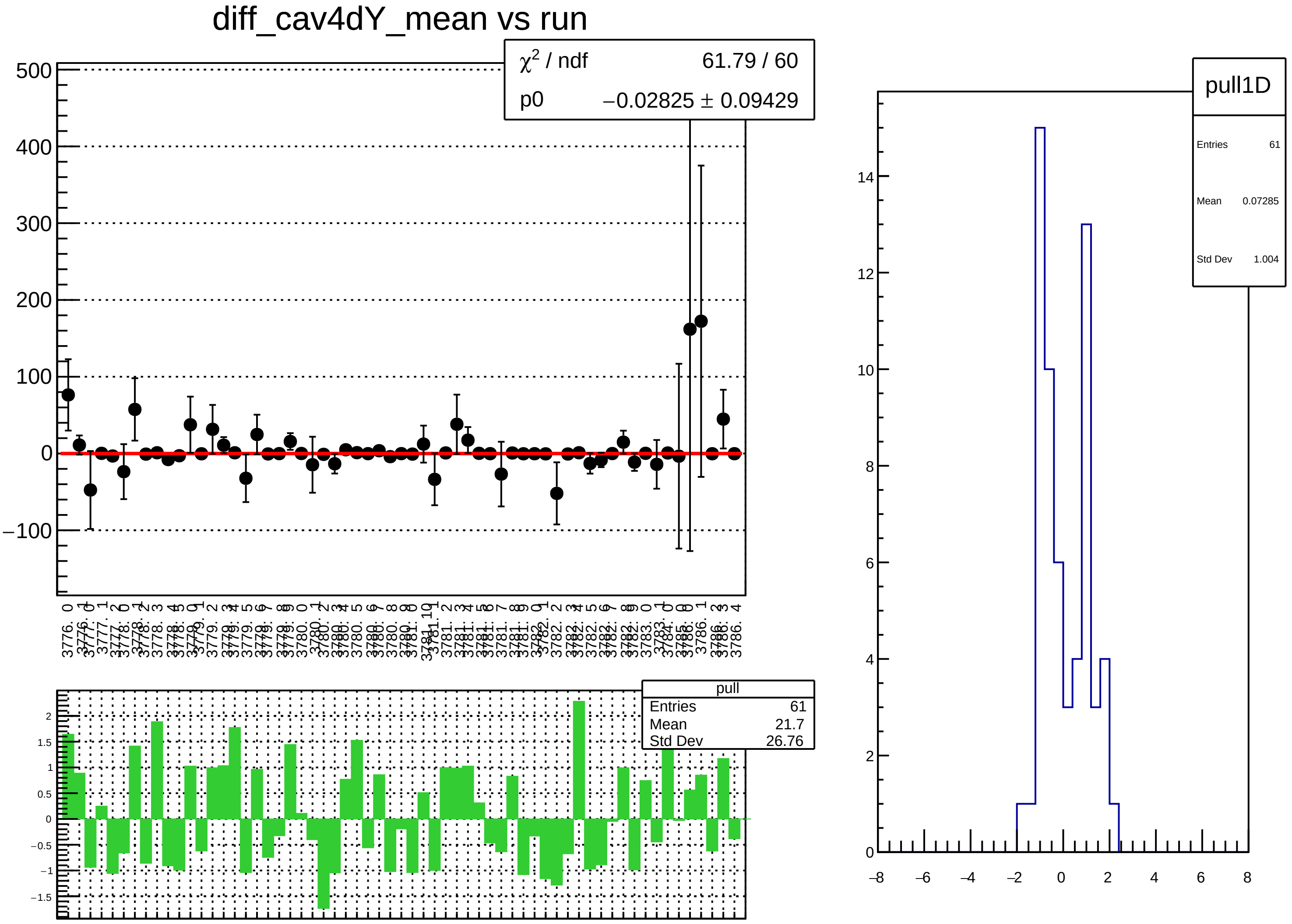
diff_cav4cY_mean vs run
χ² / ndf 64.92 / 60
p0 −4.5 ± 2.343
pull
Entries 61
Mean −775.4
Std Dev 771.7
pull1D
Entries 61
Mean 4.248e−05
Std Dev 1.032

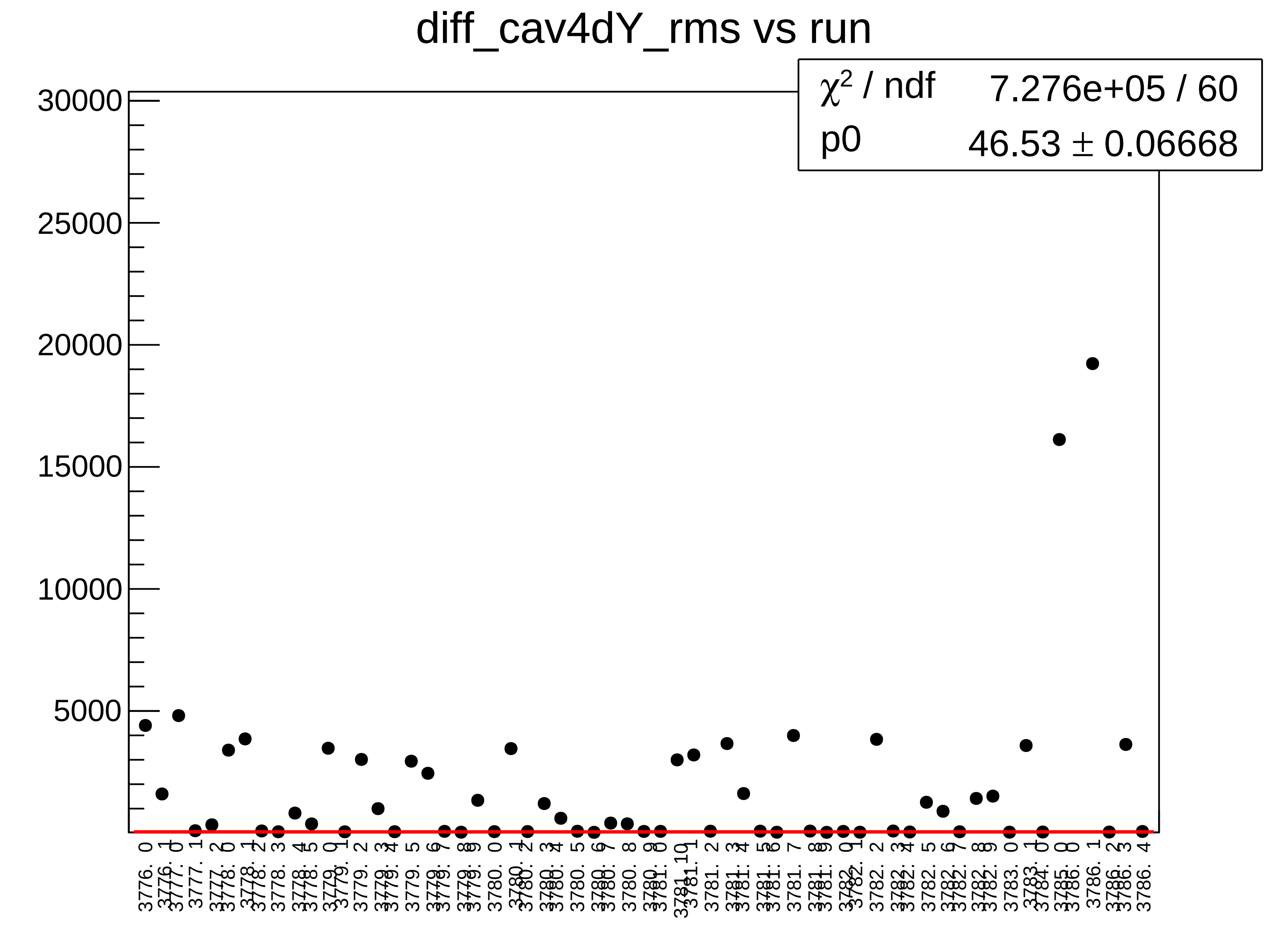

diff_cav4cY_rms vs run
χ^2 / ndf 2.254e+04 / 60
p0 1809 ± 1.657
4500
4000
3500
3000
2500
2000
1500

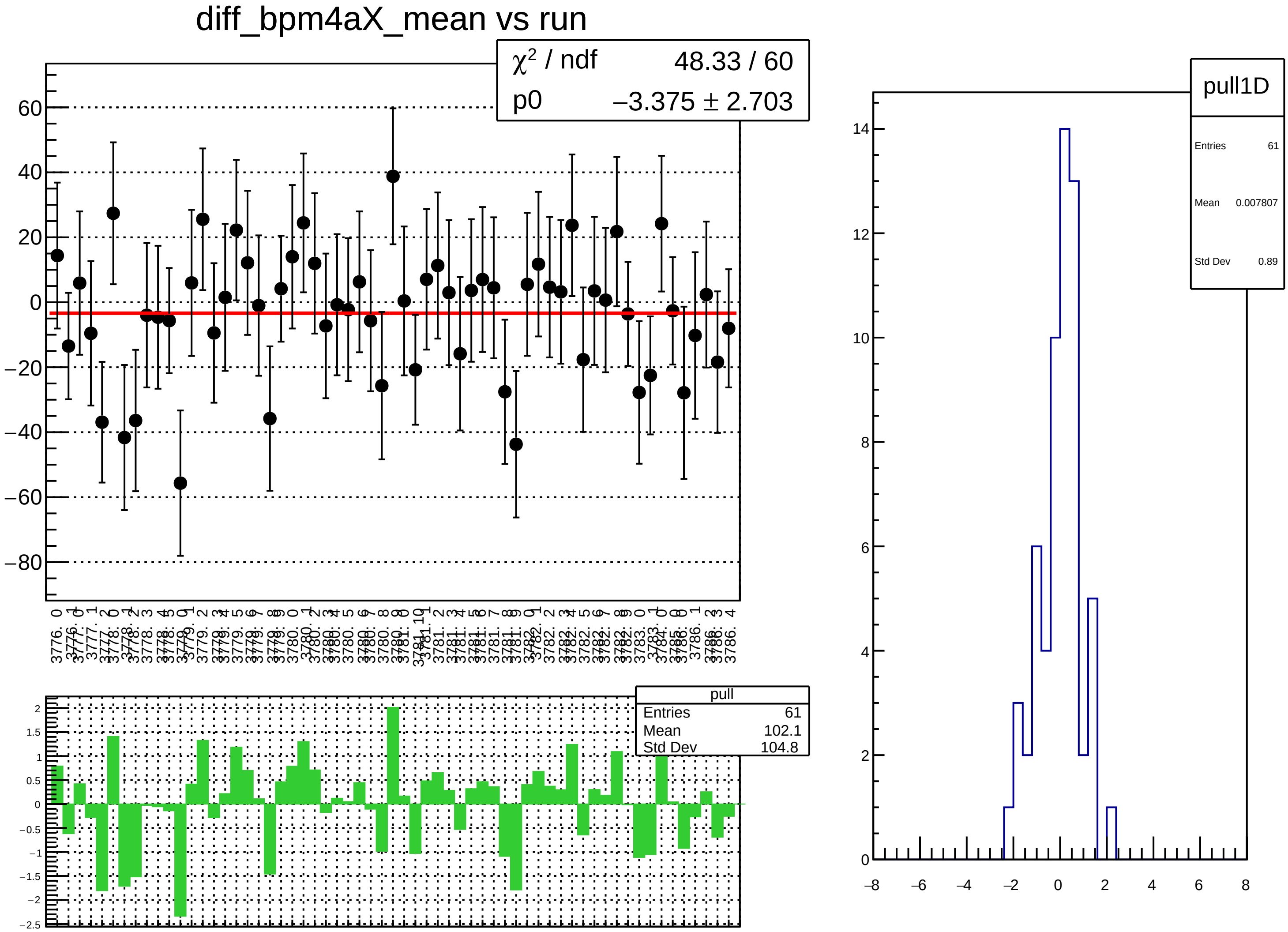

diff_cav4dX_mean vs run
χ2 / ndf 76.75 / 60
p0 −0.0005825 ± 0.02224
pull
Entries 61
Mean −89.55
Std Dev 123.9
pull1D
Entries 61
Mean −0.01338
Std Dev 1.122



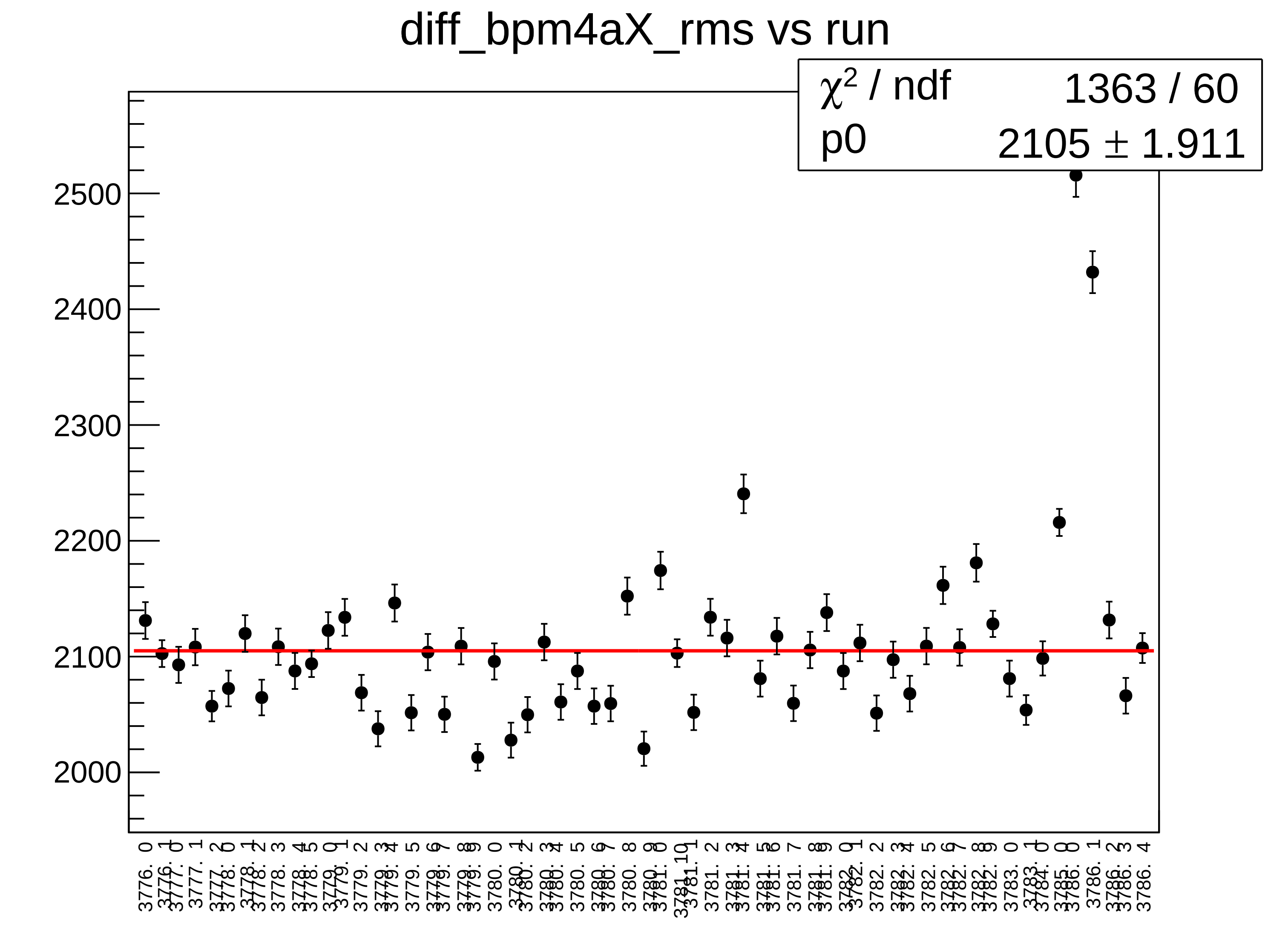
diff_cav4dX_rms vs run
χ^2 / ndf 1.842e+04 / 60
p0 17.2 ± 0.01573
30000
25000
20000
15000
10000
5000

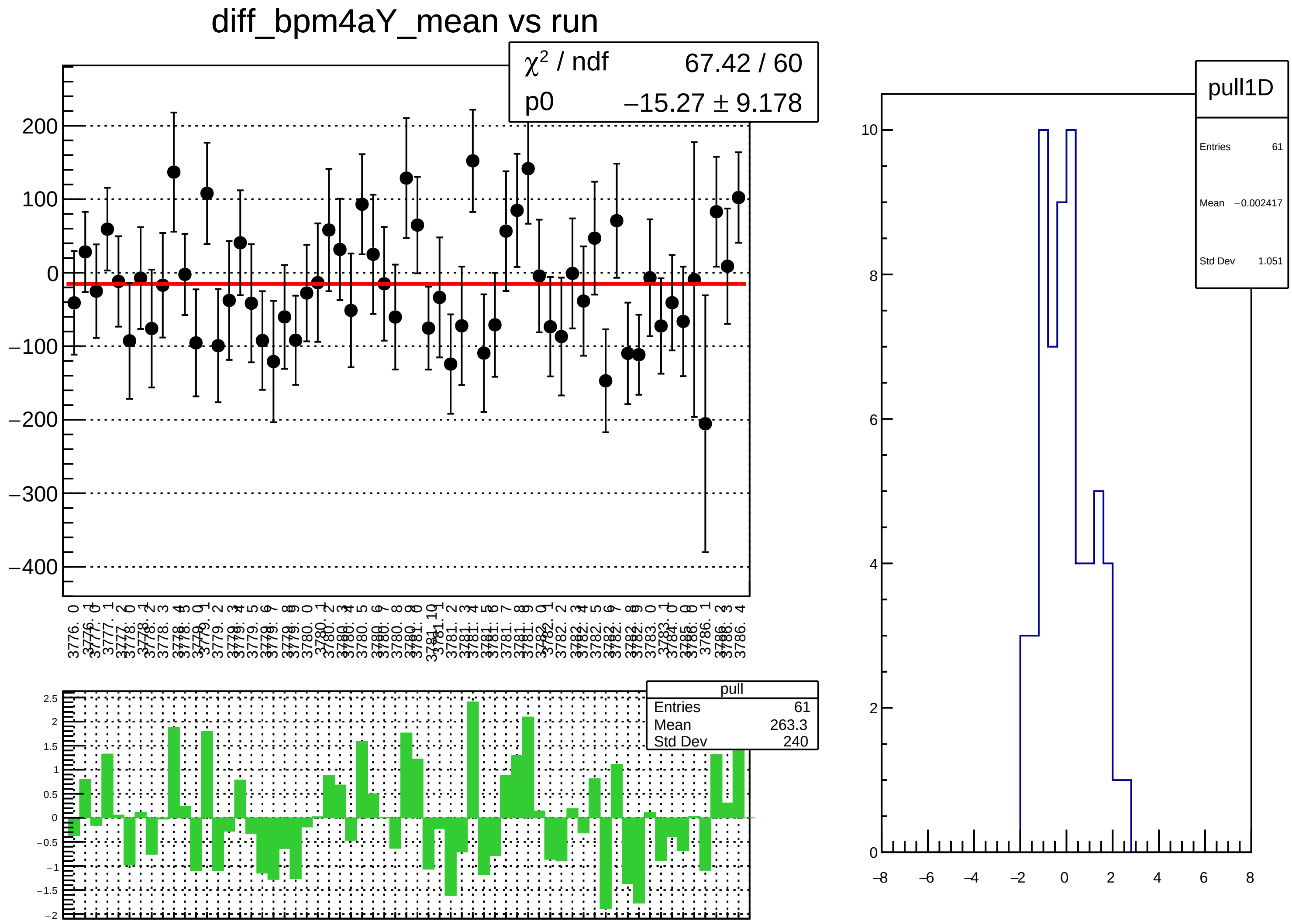

diff_cav4dY_mean vs run
χ^2 / ndf 61.79 / 60
p0 −0.02825 ± 0.09429
pull
Entries 61
Mean 21.7
Std Dev 26.76
pull1D
Entries 61
Mean 0.07285
Std Dev 1.004


diff_cav4dY_rms vs run
χ2 / ndf 7.276e+05 / 60
p0 46.53 ± 0.06668
30000
25000
20000
15000
10000
5000

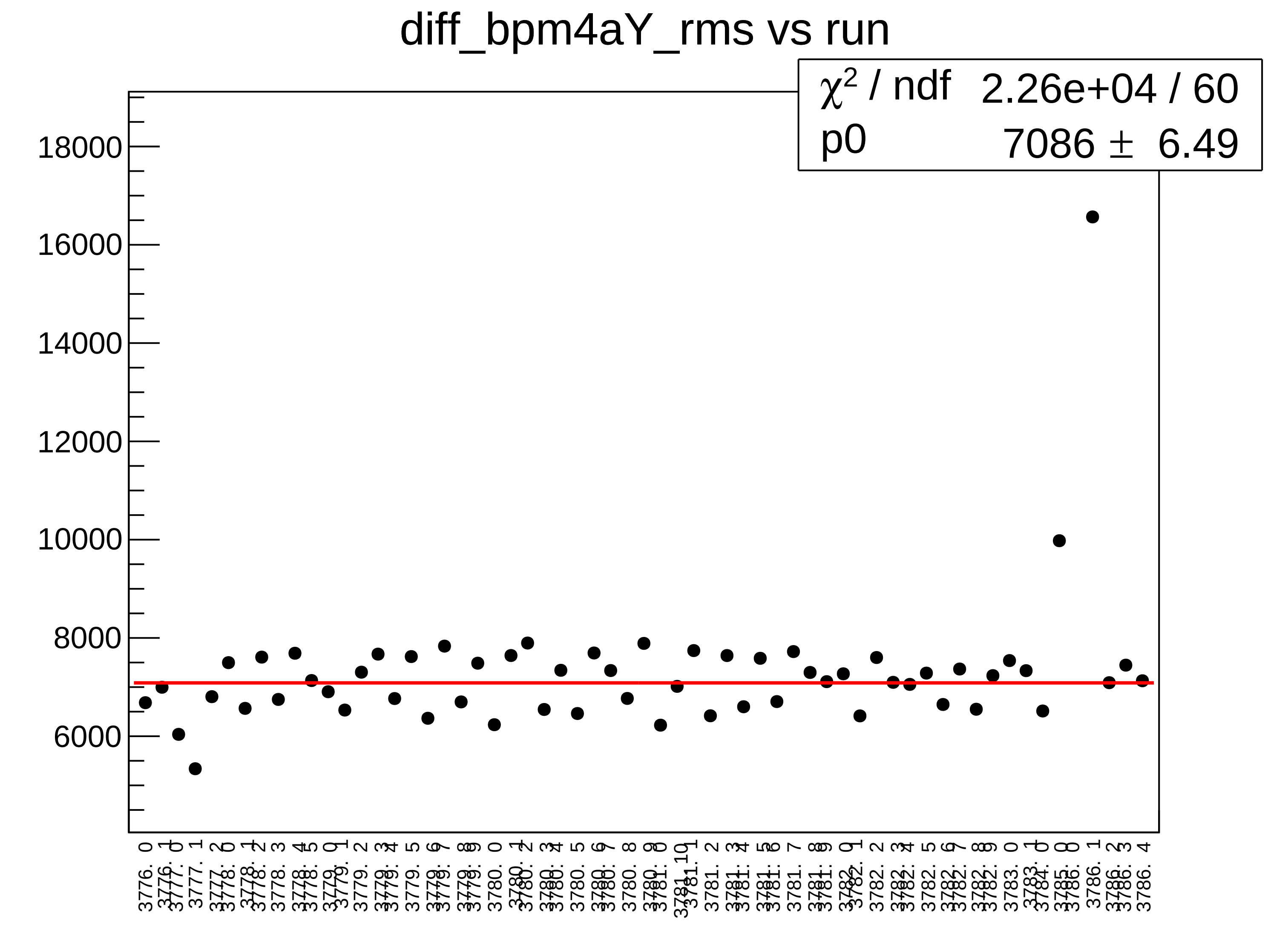


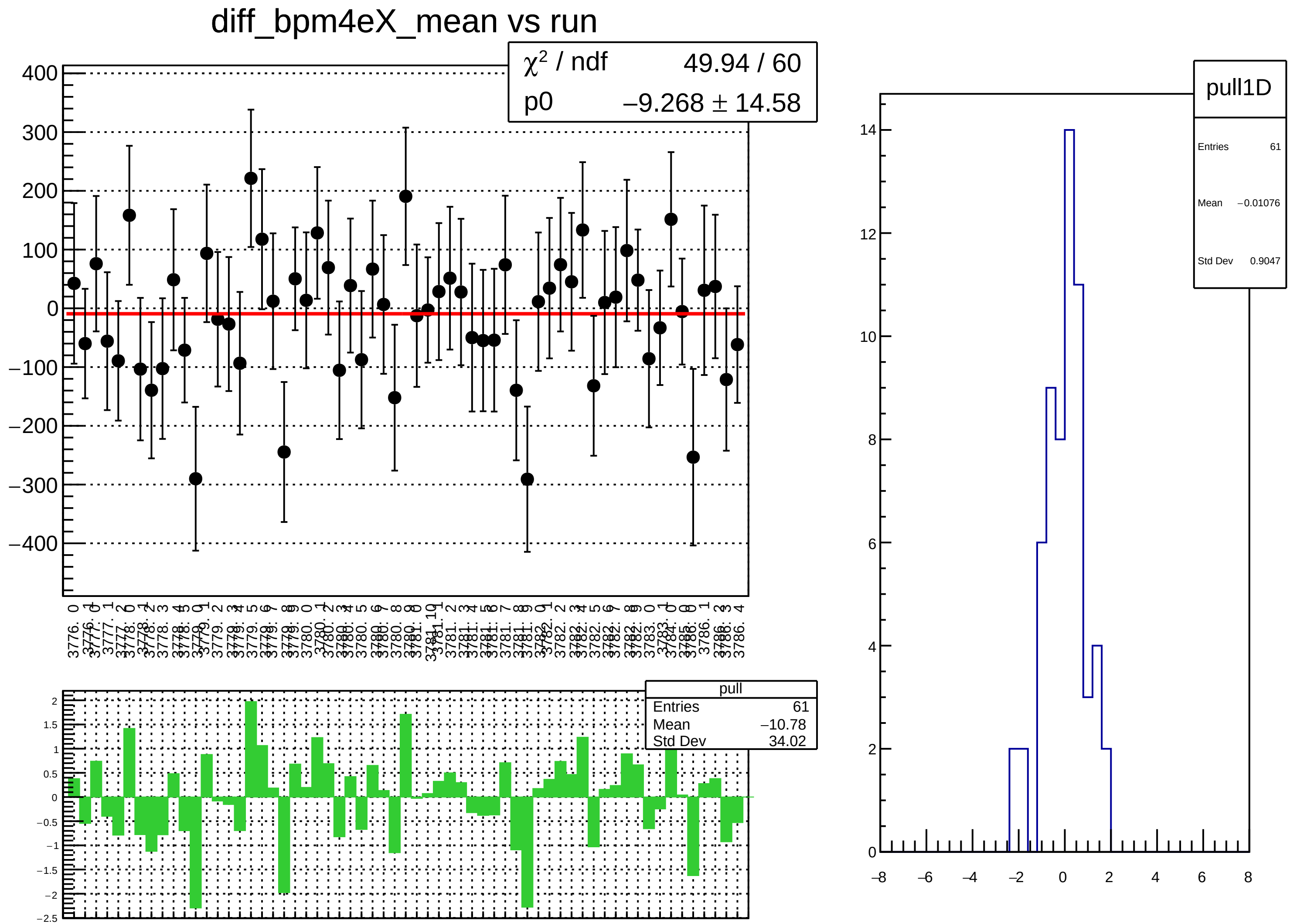
diff_bpm4aX_mean vs run
χ^2 / ndf 48.33 / 60
p0 −3.375 ± 2.703
pull
Entries 61
Mean 102.1
Std Dev 104.8
pull1D
Entries 61
Mean 0.007807
Std Dev 0.89


diff_bpm4aX_rms vs run
χ^2 / ndf 1363 / 60
p0 2105 ± 1.911
2500
2400
2300
2200
2100
2000

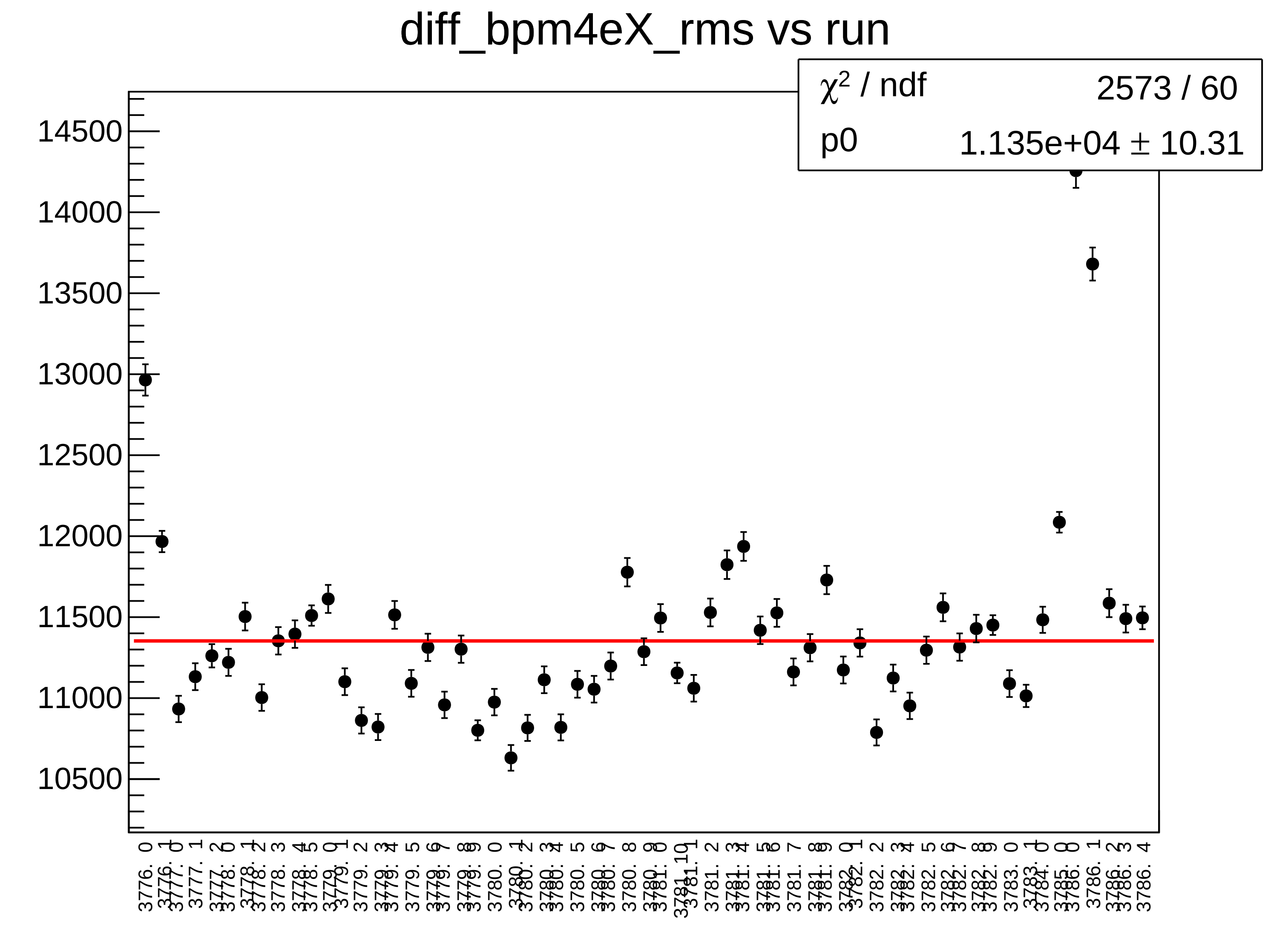


diff_bpm4aY_mean vs run
χ^2 / ndf 67.42 / 60
p0 −15.27 ± 9.178
pull
Entries 61
Mean 263.3
Std Dev 240
pull1D
Entries 61
Mean −0.002417
Std Dev 1.051

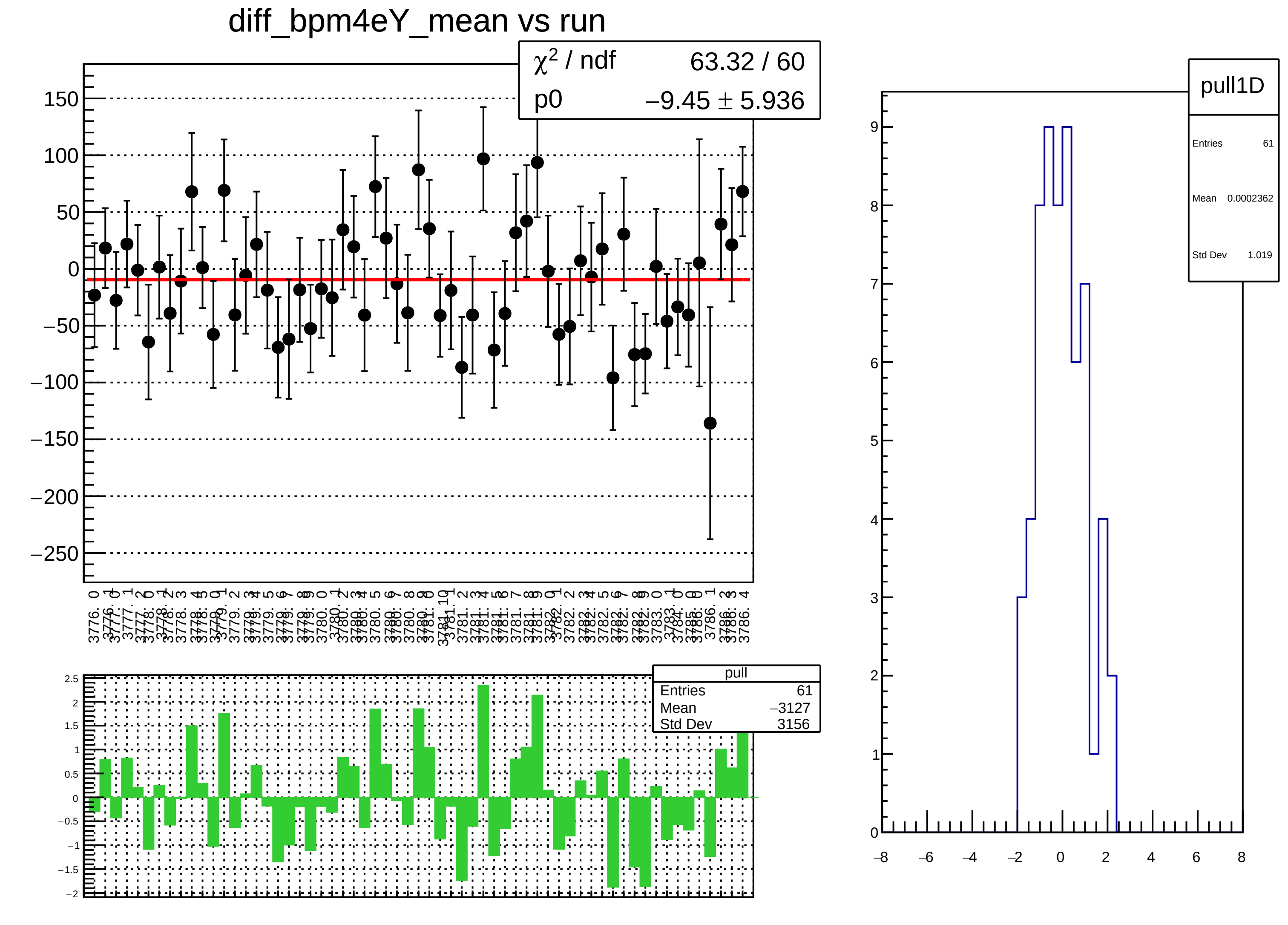

diff_bpm4aY_rms vs run
χ^2 / ndf 2.26e+04 / 60
p0 7086 ± 6.49
18000
16000
14000
12000
10000
8000
6000



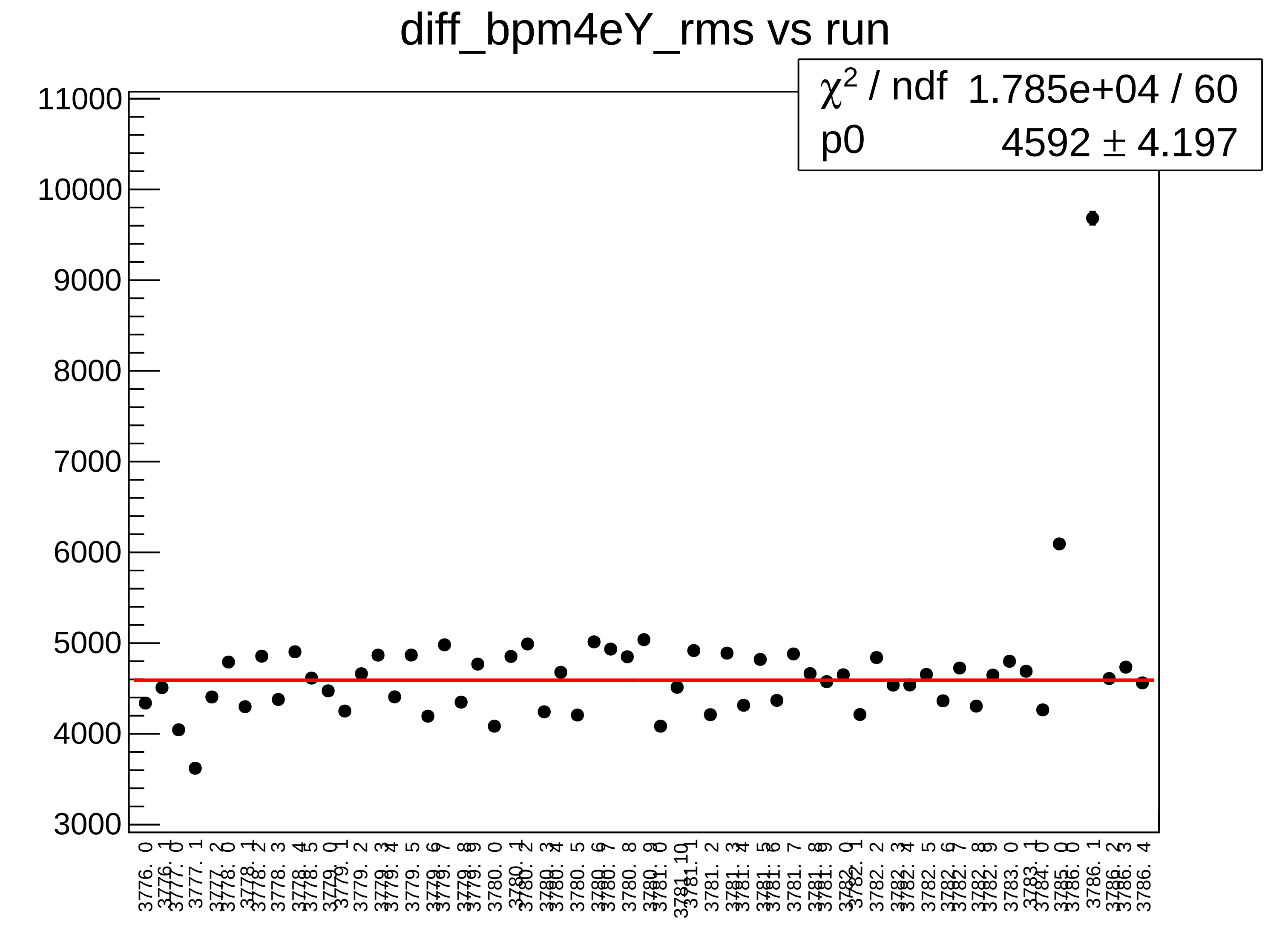
diff_bpm4eX_mean vs run
χ² / ndf 49.94 / 60
p0 −9.268 ± 14.58
pull
Entries 61
Mean −10.78
Std Dev 34.02
pull1D
Entries 61
Mean −0.01076
Std Dev 0.9047

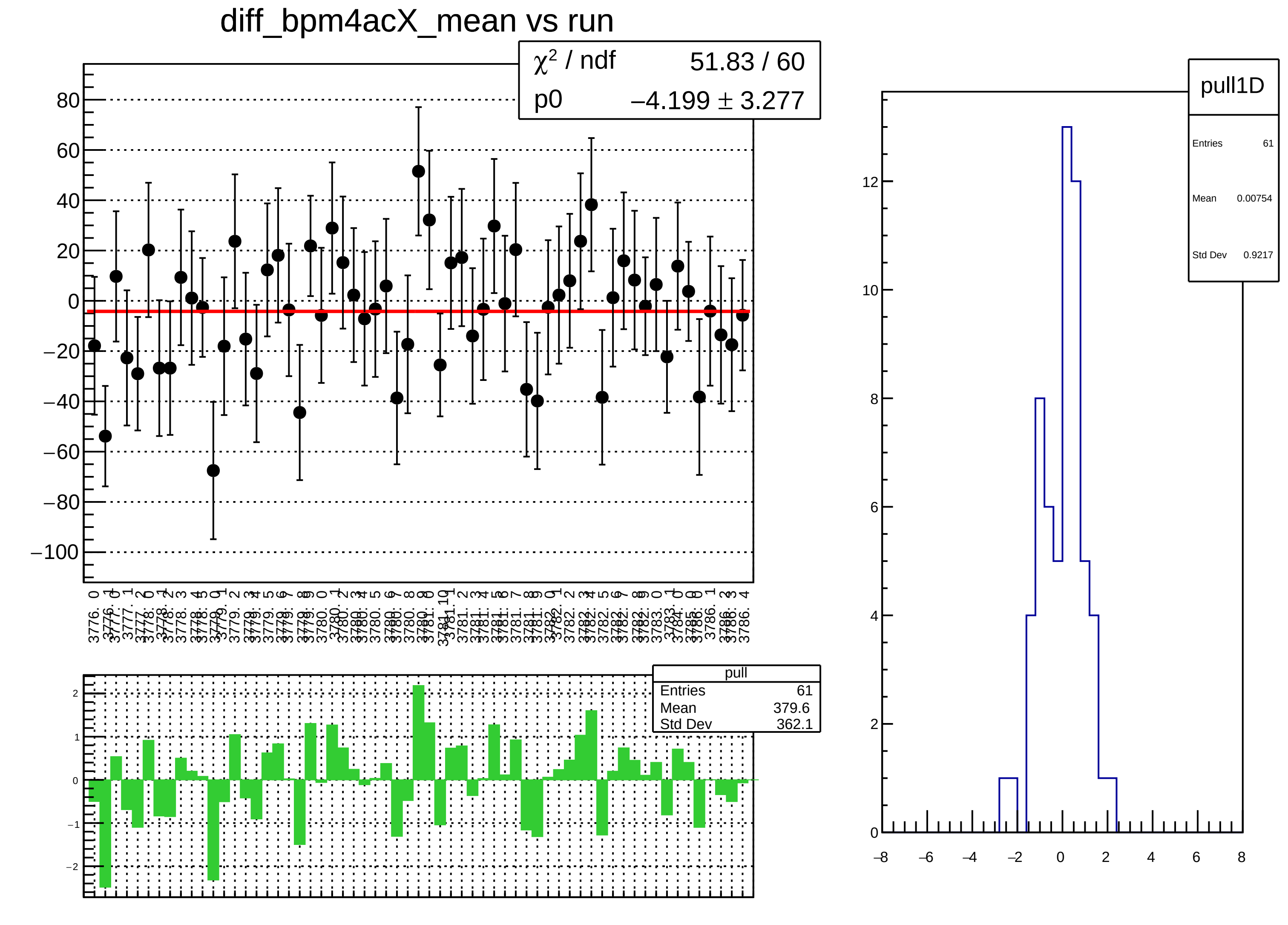


diff_bpm4eX_rms vs run
χ^2 / ndf 2573 / 60
p0 1.135e+04 ± 10.31

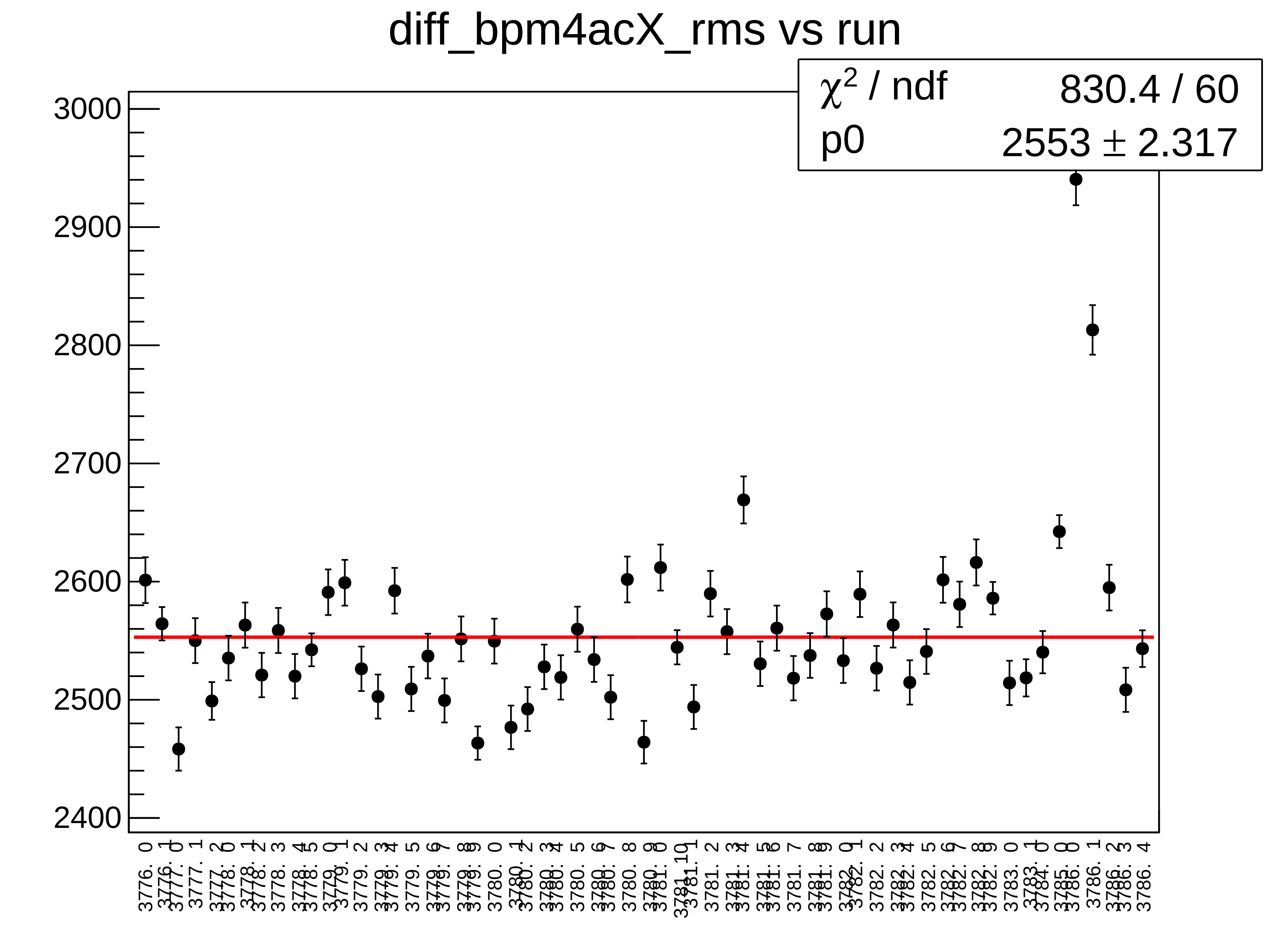


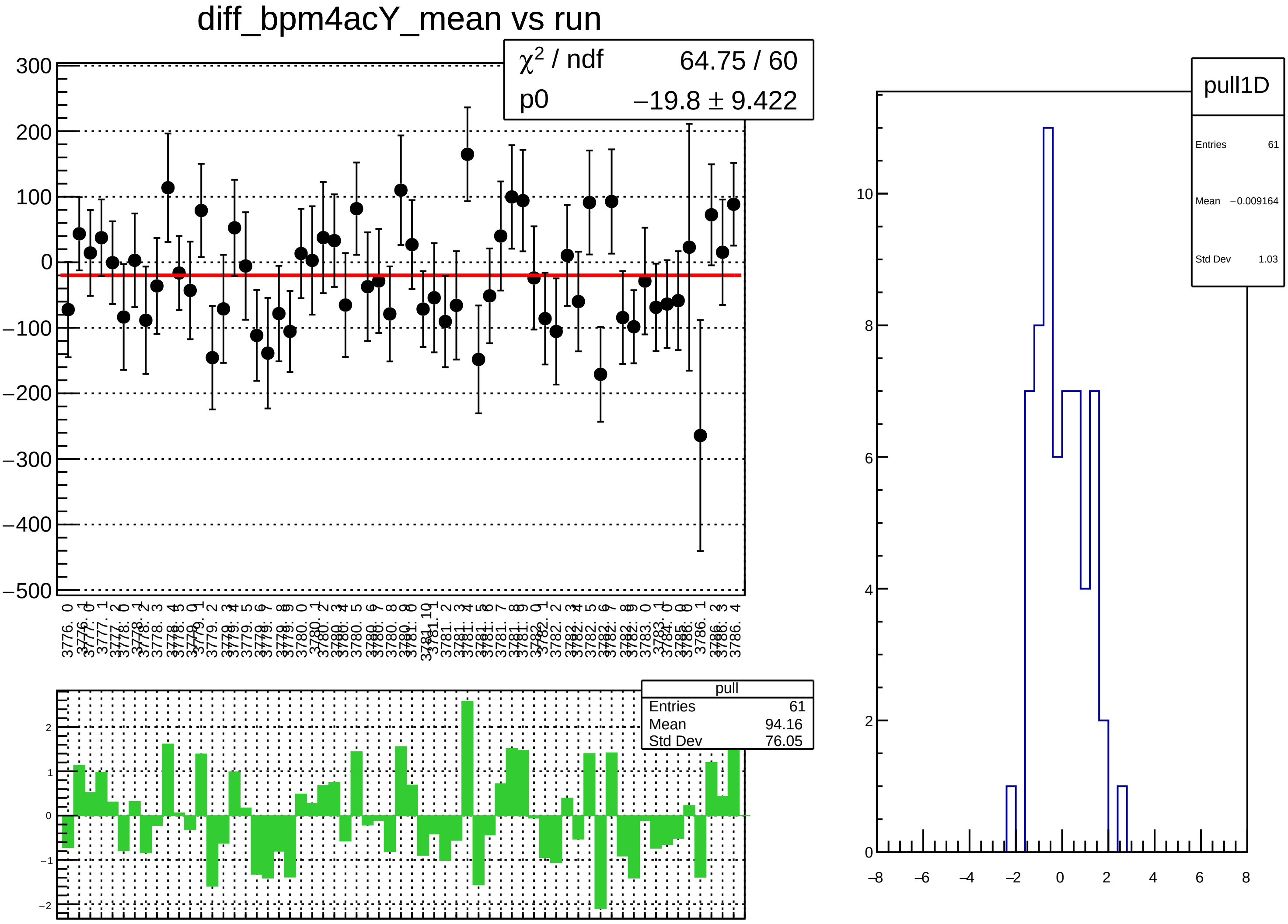
diff_bpm4eY_mean vs run
χ^2 / ndf 63.32 / 60
p0 −9.45 ± 5.936
pull
Entries 61
Mean −3127
Std Dev 3156
pull1D
Entries 61
Mean 0.0002362
Std Dev 1.019

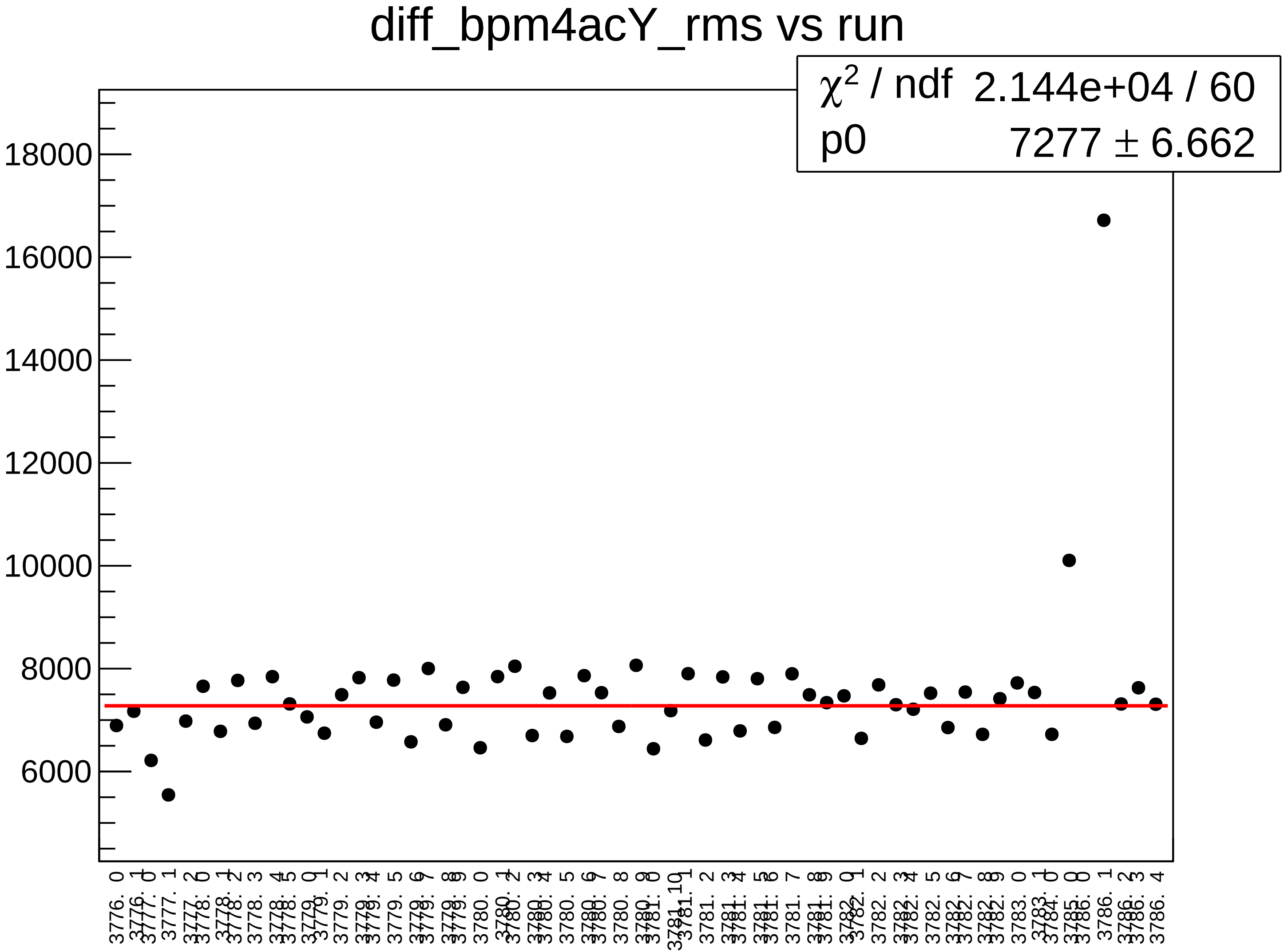

diff_bpm4eY_rms vs run
χ^2 / ndf 1.785e+04 / 60
p0 4592 ± 4.197

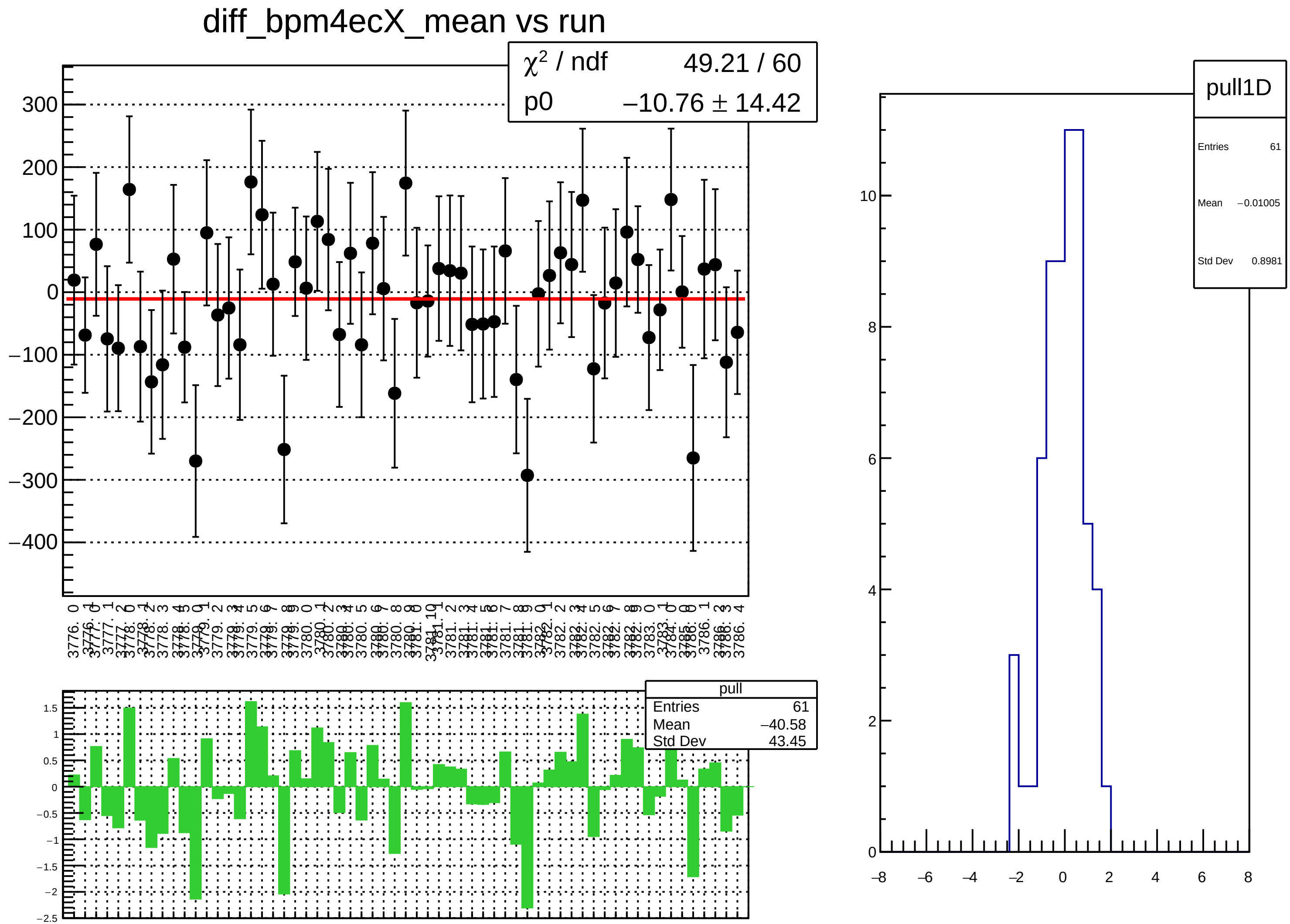


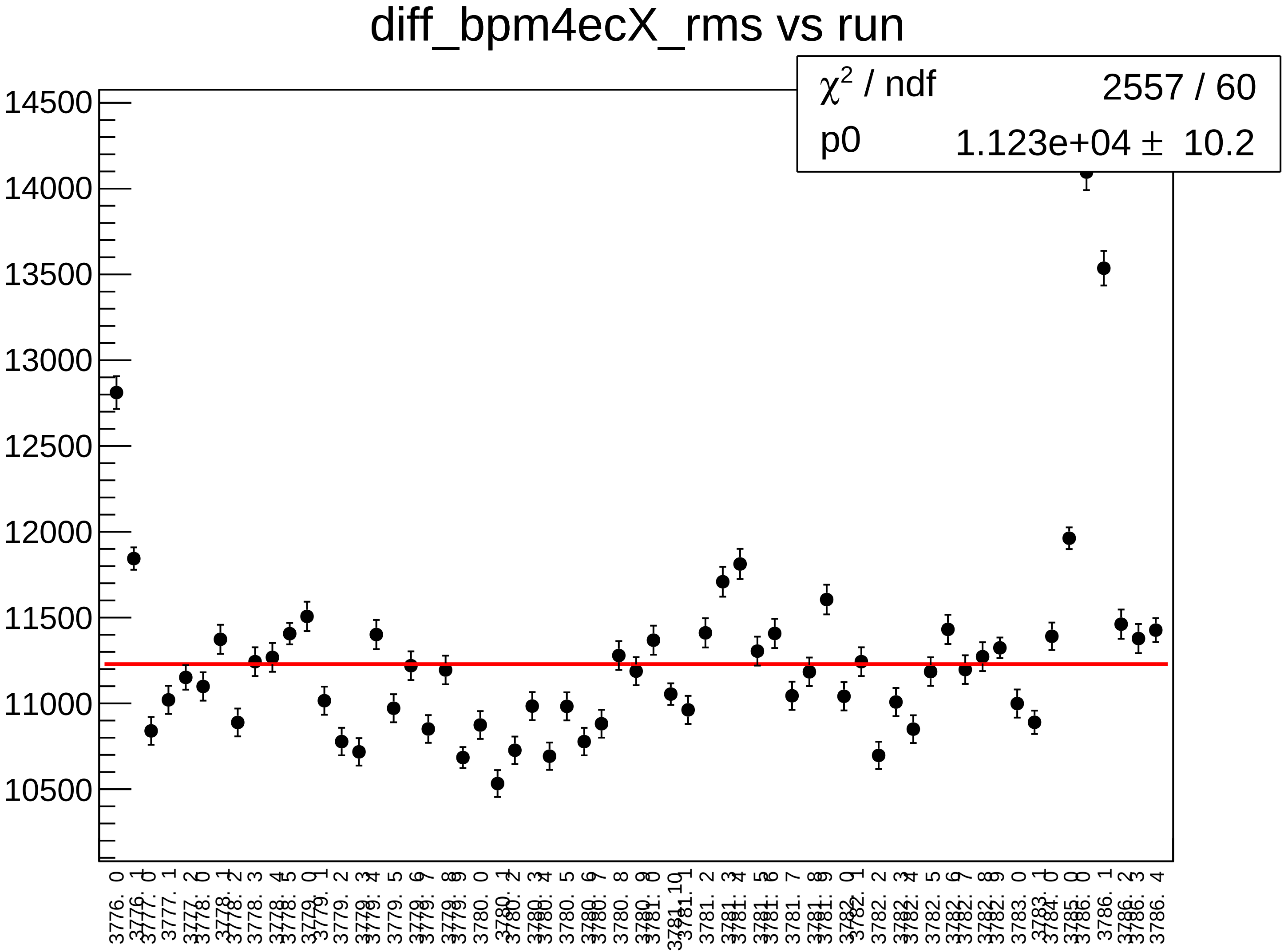
diff_bpm4acX_mean vs run
χ^2 / ndf 51.83 / 60
p0 −4.199 ± 3.277
pull
Entries 61
Mean 379.6
Std Dev 362.1
pull1D
Entries 61
Mean 0.00754
Std Dev 0.9217

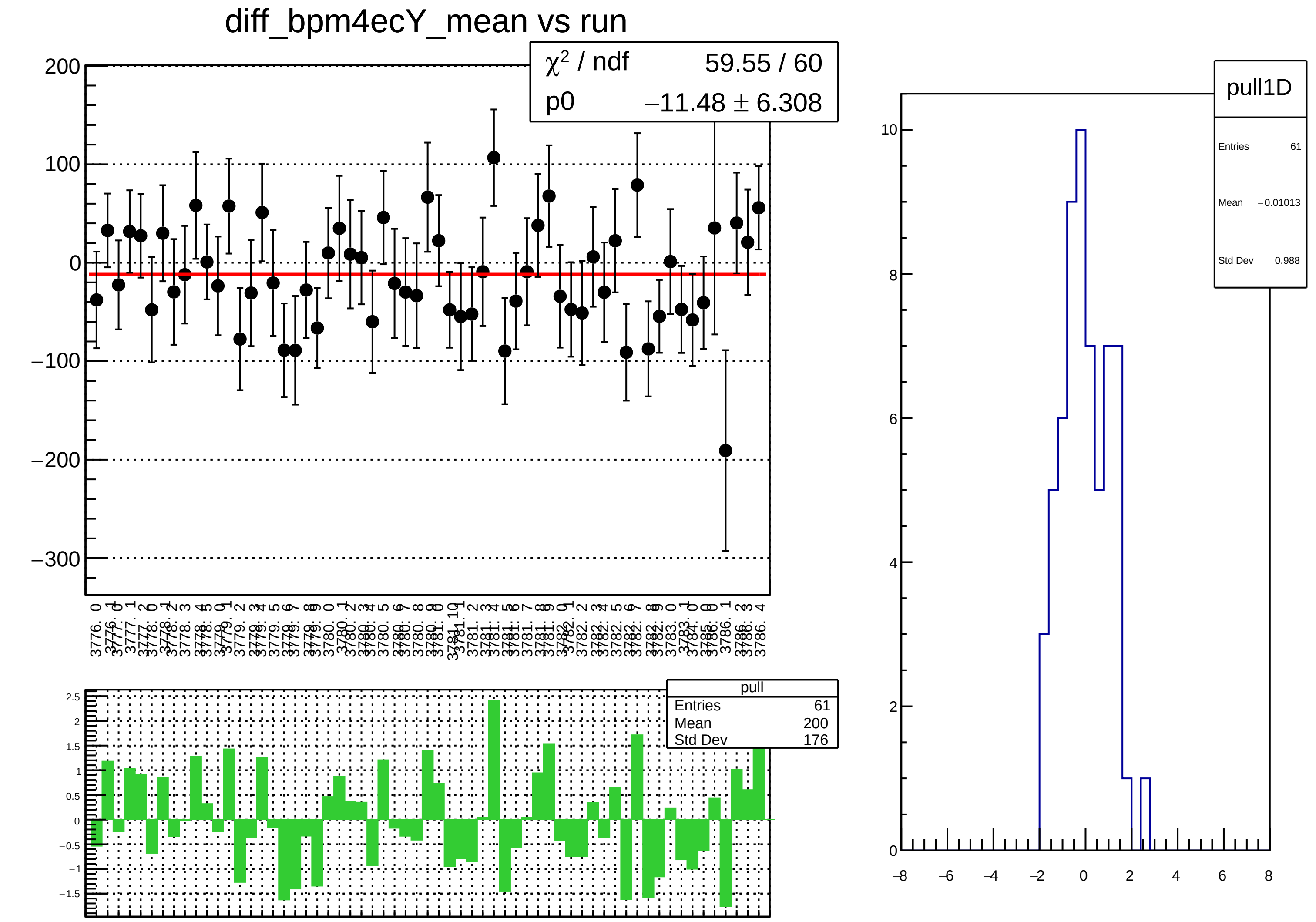

diff_bpm4acX_rms vs run
χ2 / ndf 830.4 / 60
p0 2553 ± 2.317
3000
2900
2800
2700
2600
2500
2400

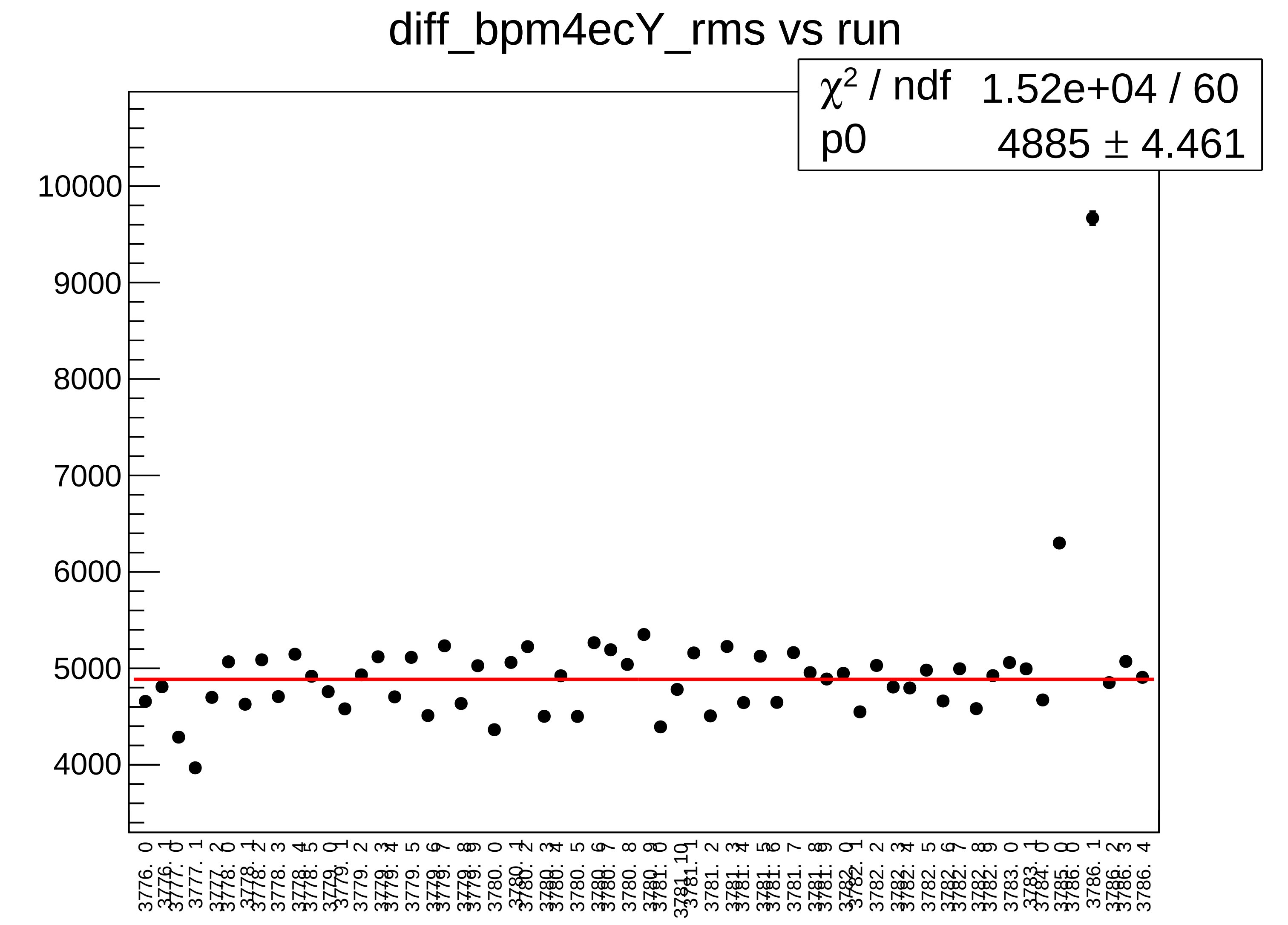

diff_bpm4acY_mean vs run
χ2 / ndf 64.75 / 60
p0 −19.8 ± 9.422
pull
Entries 61
Mean 94.16
Std Dev 76.05
pull1D
Entries 61
Mean −0.009164
Std Dev 1.03


diff_bpm4acY_rms vs run
χ^2 / ndf 2.144e+04 / 60
p0 7277 ± 6.662
18000
16000
14000
12000
10000
8000
6000

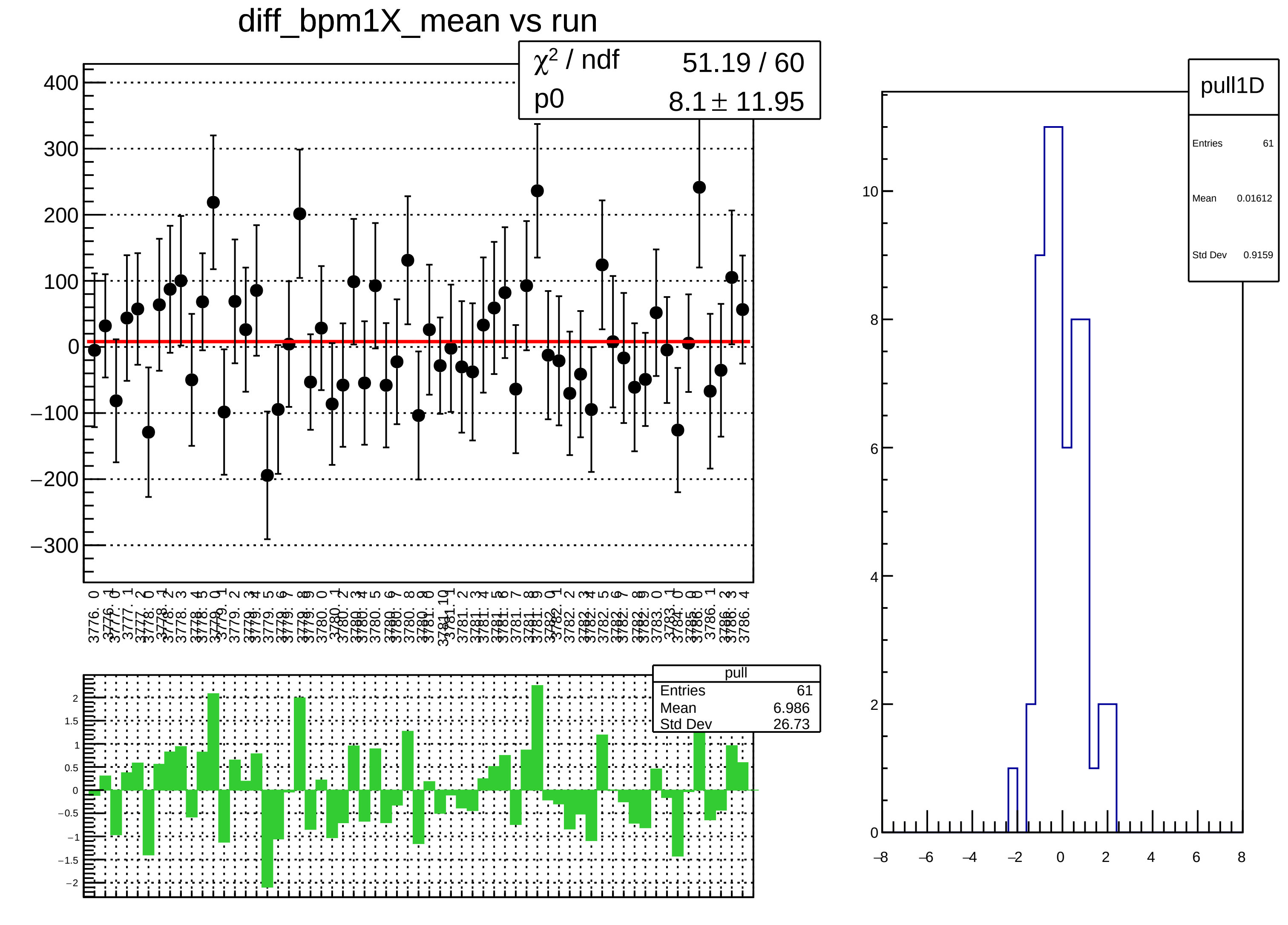

diff_bpm4ecX_mean vs run
χ^2 / ndf 49.21 / 60
p0 −10.76 ± 14.42
pull
Entries 61
Mean −40.58
Std Dev 43.45
pull1D
Entries 61
Mean −0.01005
Std Dev 0.8981

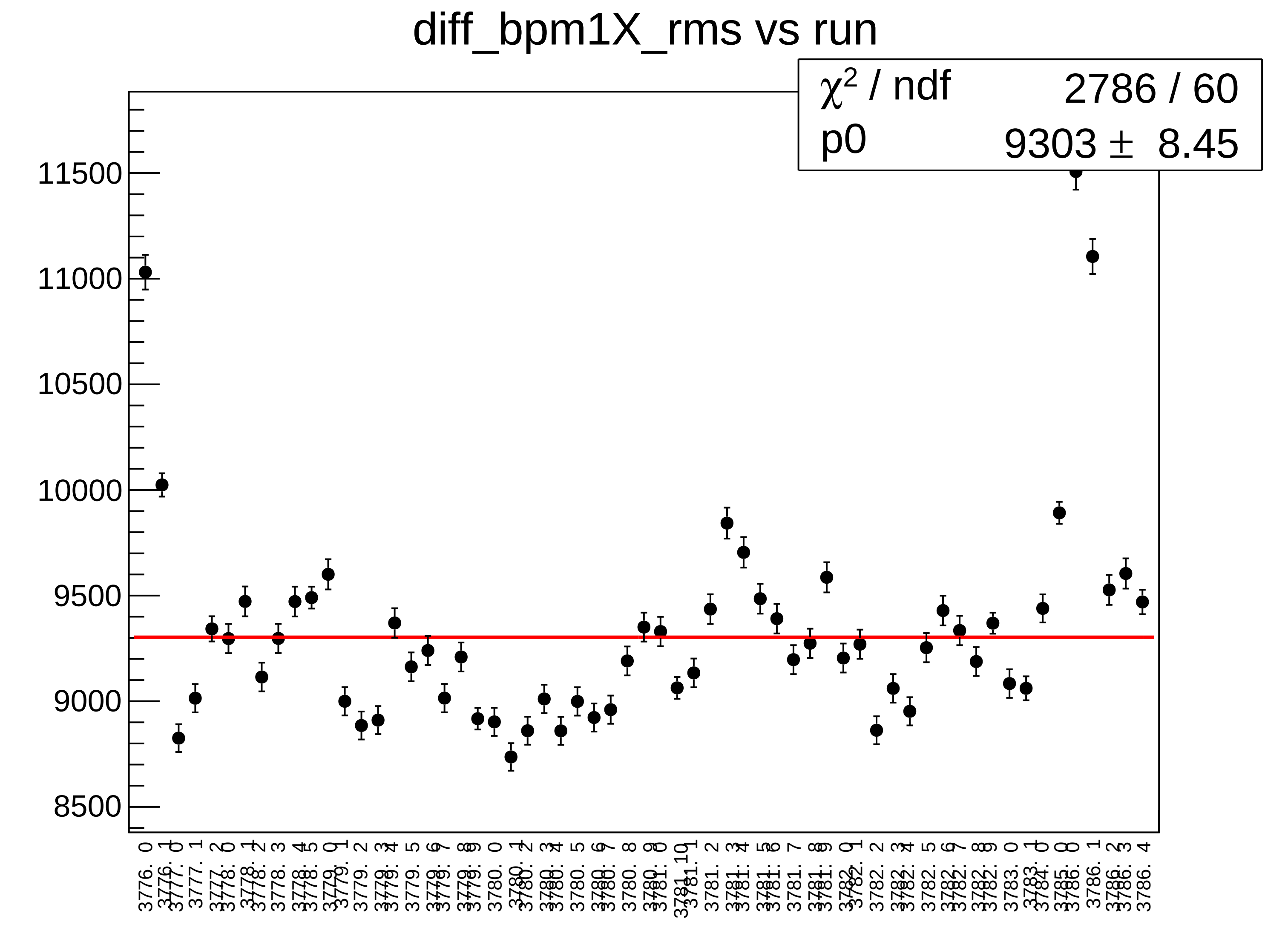

diff_bpm4ecX_rms vs run
χ2 / ndf 2557 / 60
p0 1.123e+04 ± 10.2
14500
14000
13500
13000
12500
12000
11500
11000
10500


diff_bpm4ecY_mean vs run
χ^2 / ndf 59.55 / 60
p0 −11.48 ± 6.308
200
100
0
−100
−200
−300
pull
Entries 61
Mean 200
Std Dev 176
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 61
Mean −0.01013
Std Dev 0.988
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

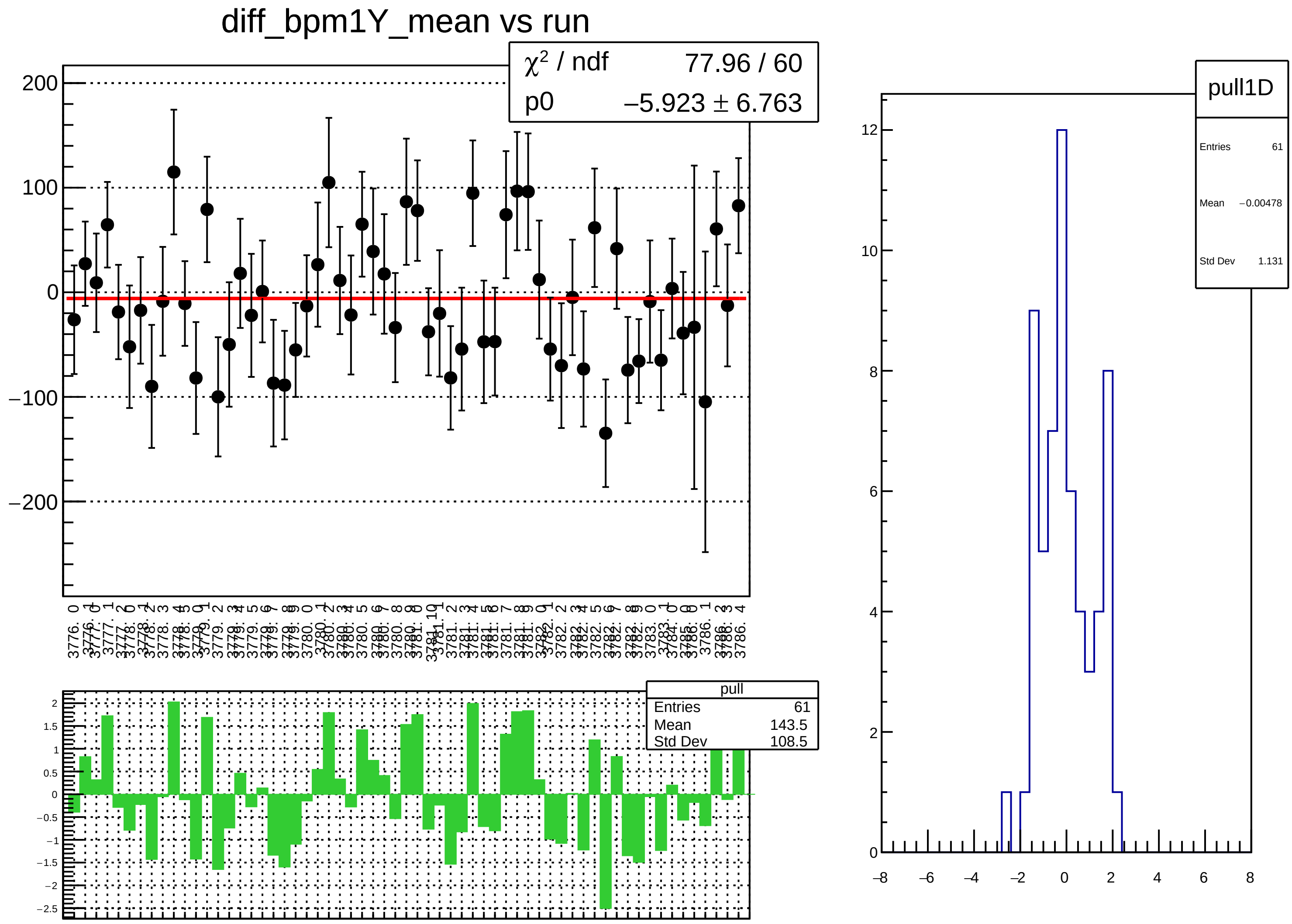


diff_bpm4ecY_rms vs run
χ2 / ndf 1.52e+04 / 60
p0 4885 ± 4.461
10000
9000
8000
7000
6000
5000
4000

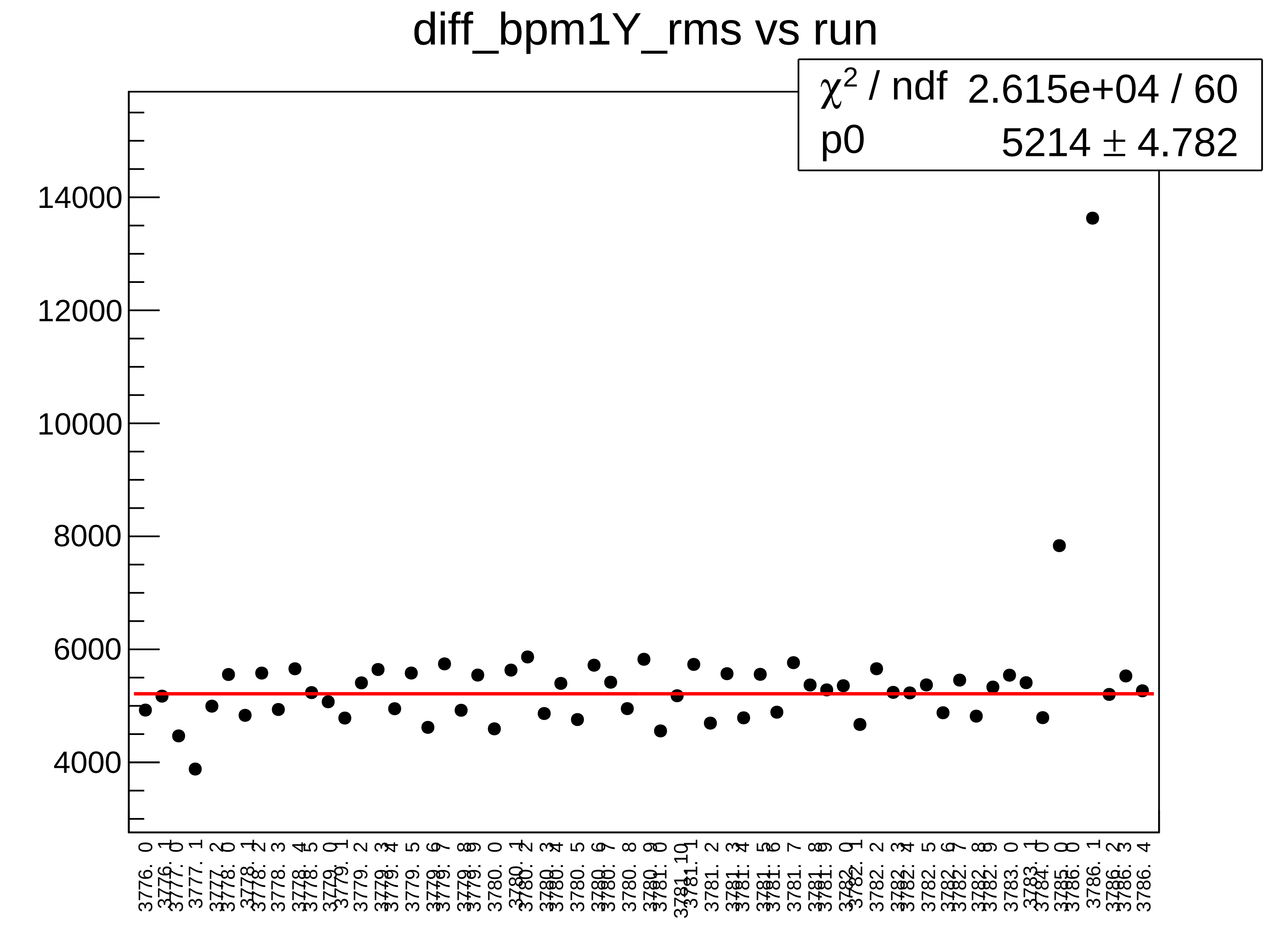

diff_bpm1X_mean vs run
χ^2 / ndf 51.19 / 60
p0 8.1 ± 11.95
pull
Entries 61
Mean 6.986
Std Dev 26.73
pull1D
Entries 61
Mean 0.01612
Std Dev 0.9159

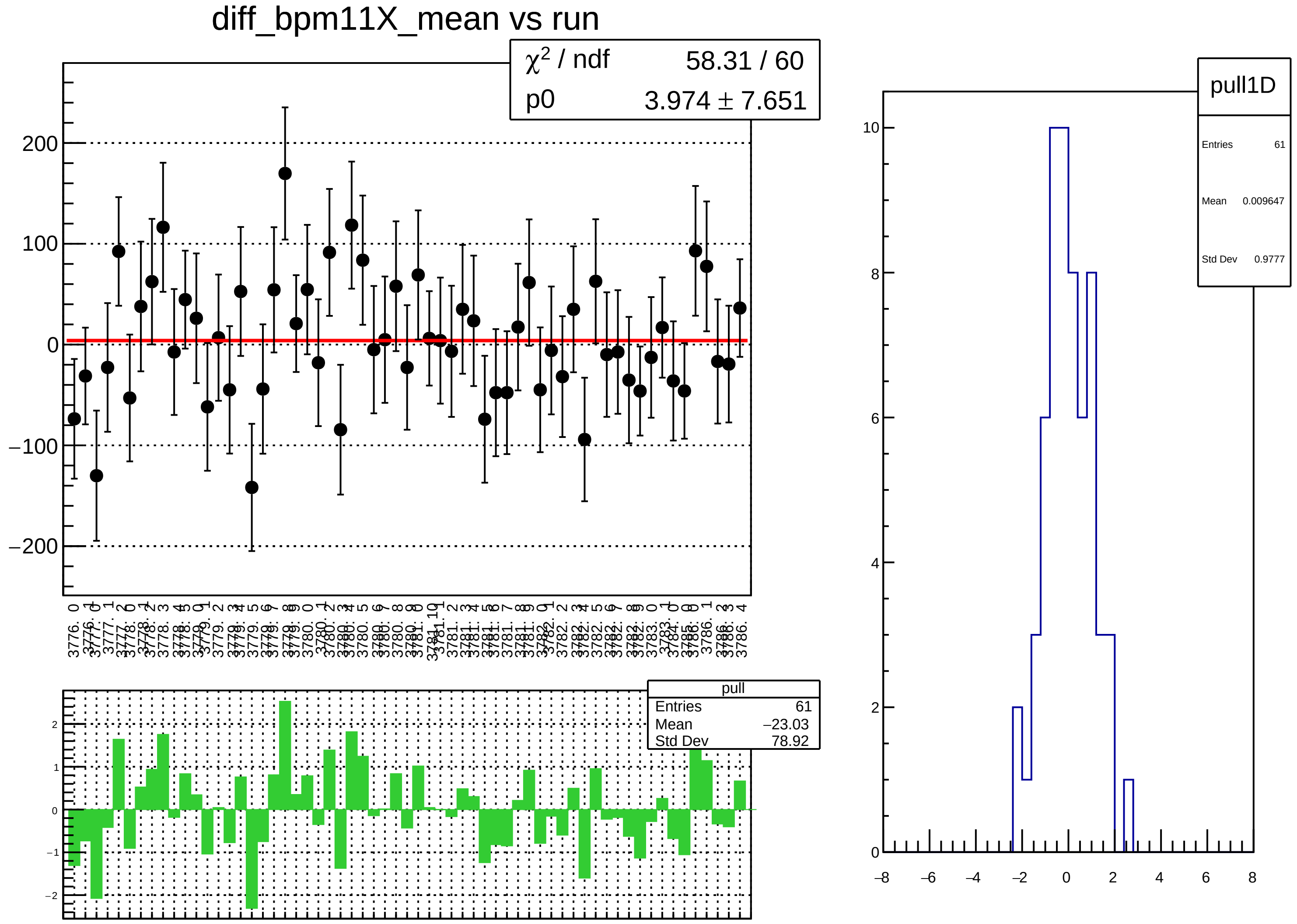


diff_bpm1X_rms vs run
χ^2 / ndf 2786 / 60
p0 9303 ± 8.45
11500
11000
10500
10000
9500
9000
8500

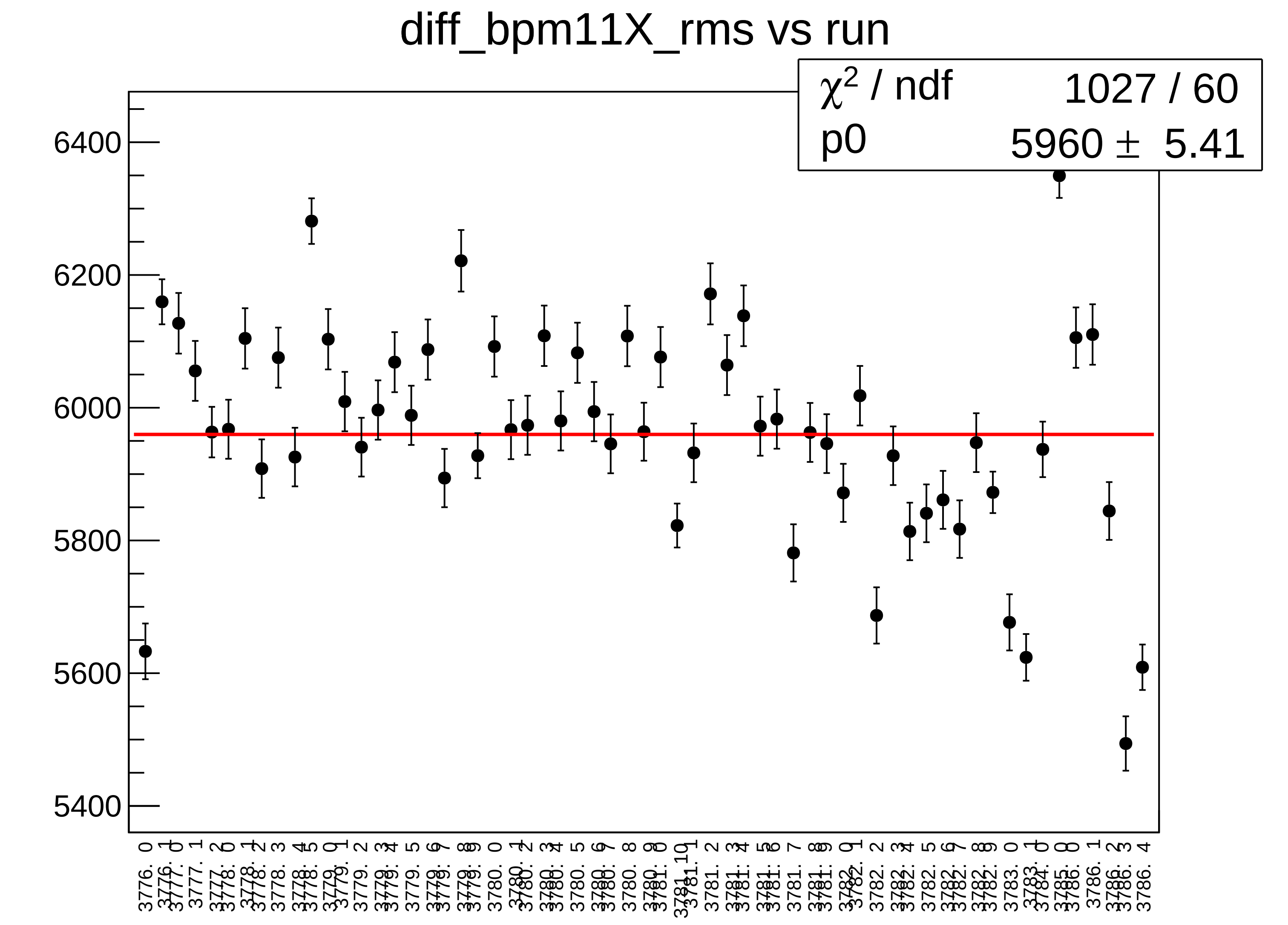


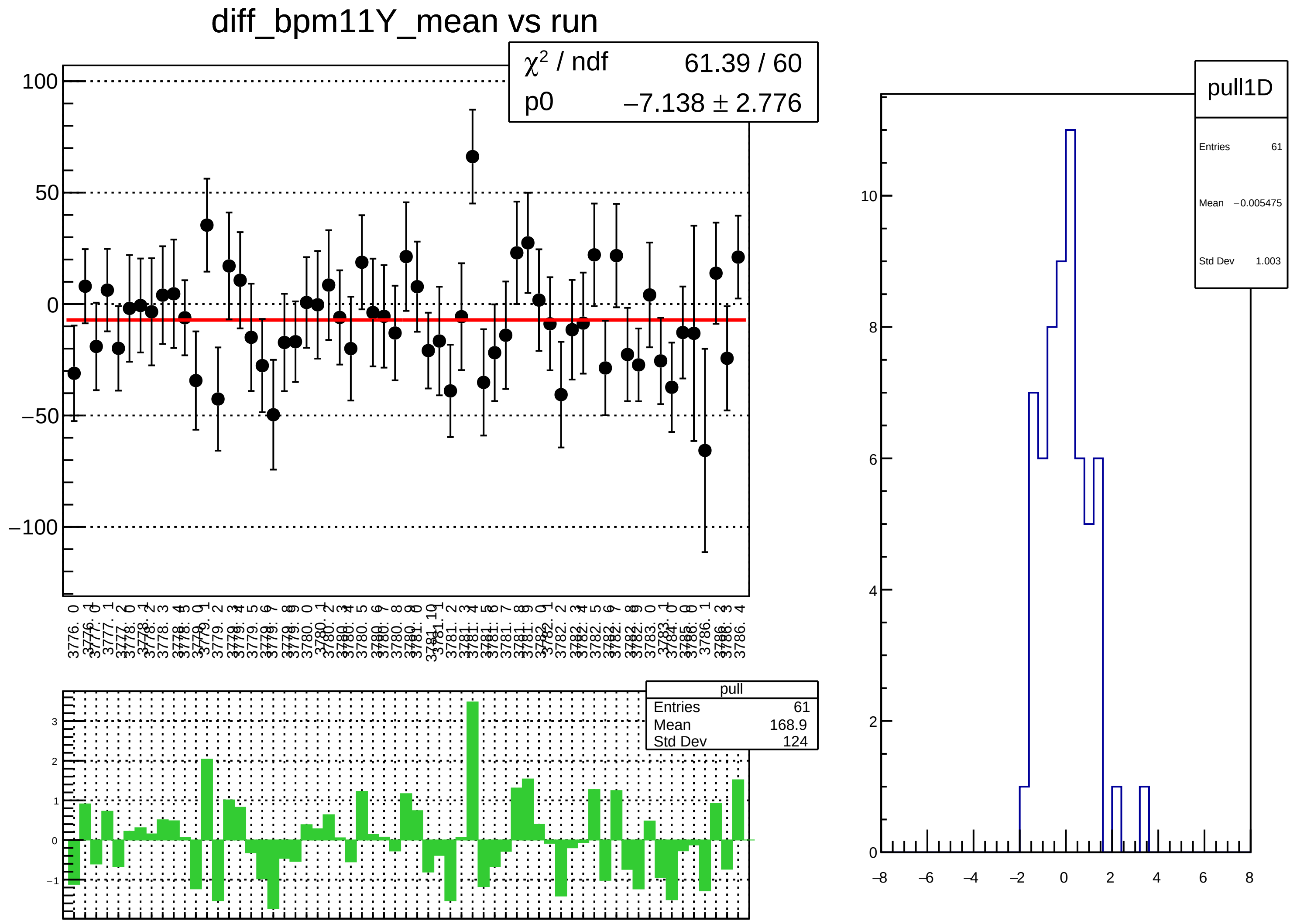
diff_bpm1Y_mean vs run
χ^2 / ndf 77.96 / 60
p0 −5.923 ± 6.763
200
100
0
−100
−200
pull
Entries 61
Mean 143.5
Std Dev 108.5
pull1D
Entries 61
Mean −0.00478
Std Dev 1.131


diff_bpm1Y_rms vs run
χ2 / ndf 2.615e+04 / 60
p0 5214 ± 4.782
14000
12000
10000
8000
6000
4000

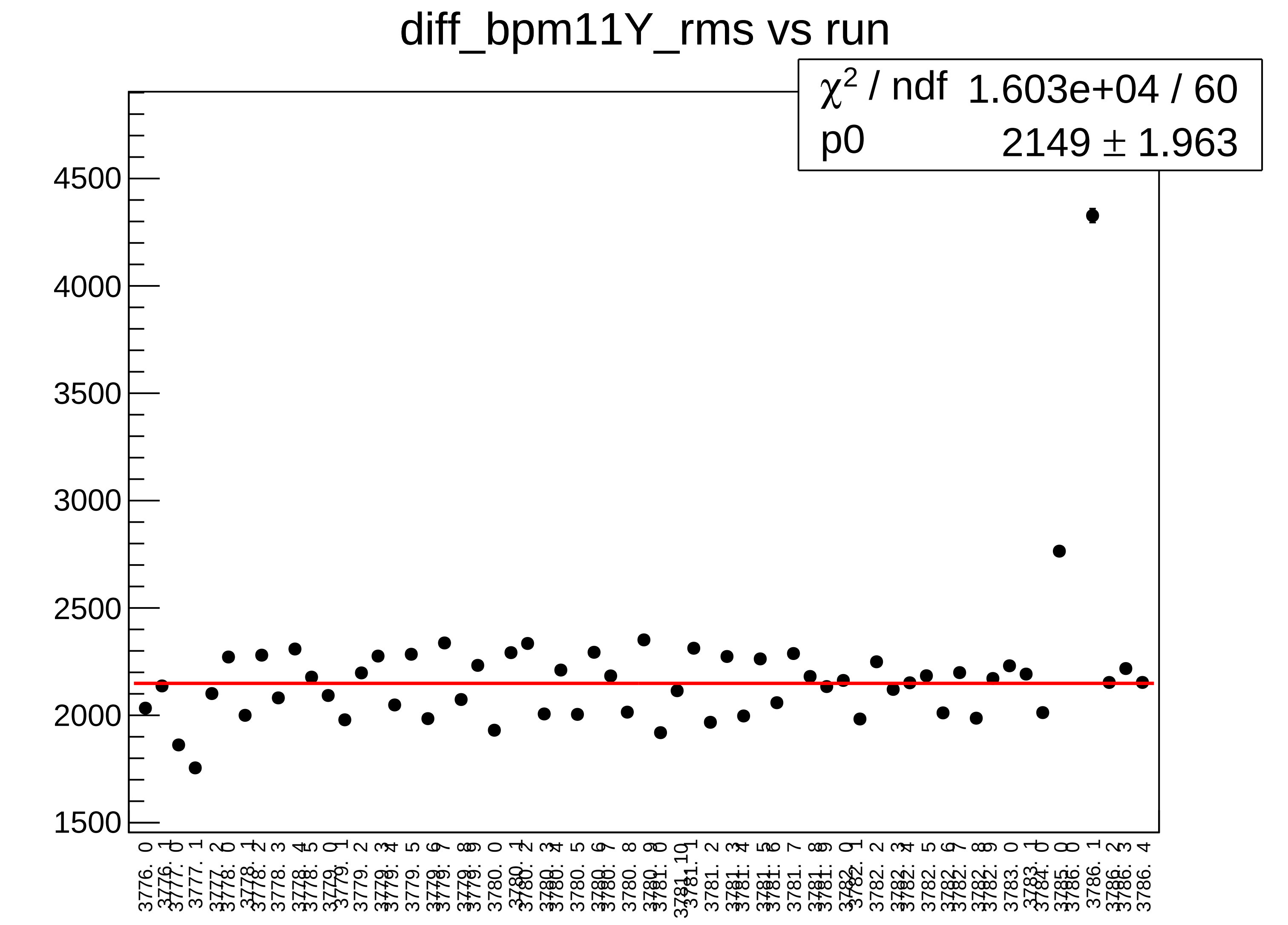


diff_bpm11X_mean vs run
χ^2 / ndf 58.31 / 60
p0 3.974 ± 7.651
200
100
0
−100
−200
pull
Entries 61
Mean −23.03
Std Dev 78.92
2
1
0
−1
−2
pull1D
Entries 61
Mean 0.009647
Std Dev 0.9777
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

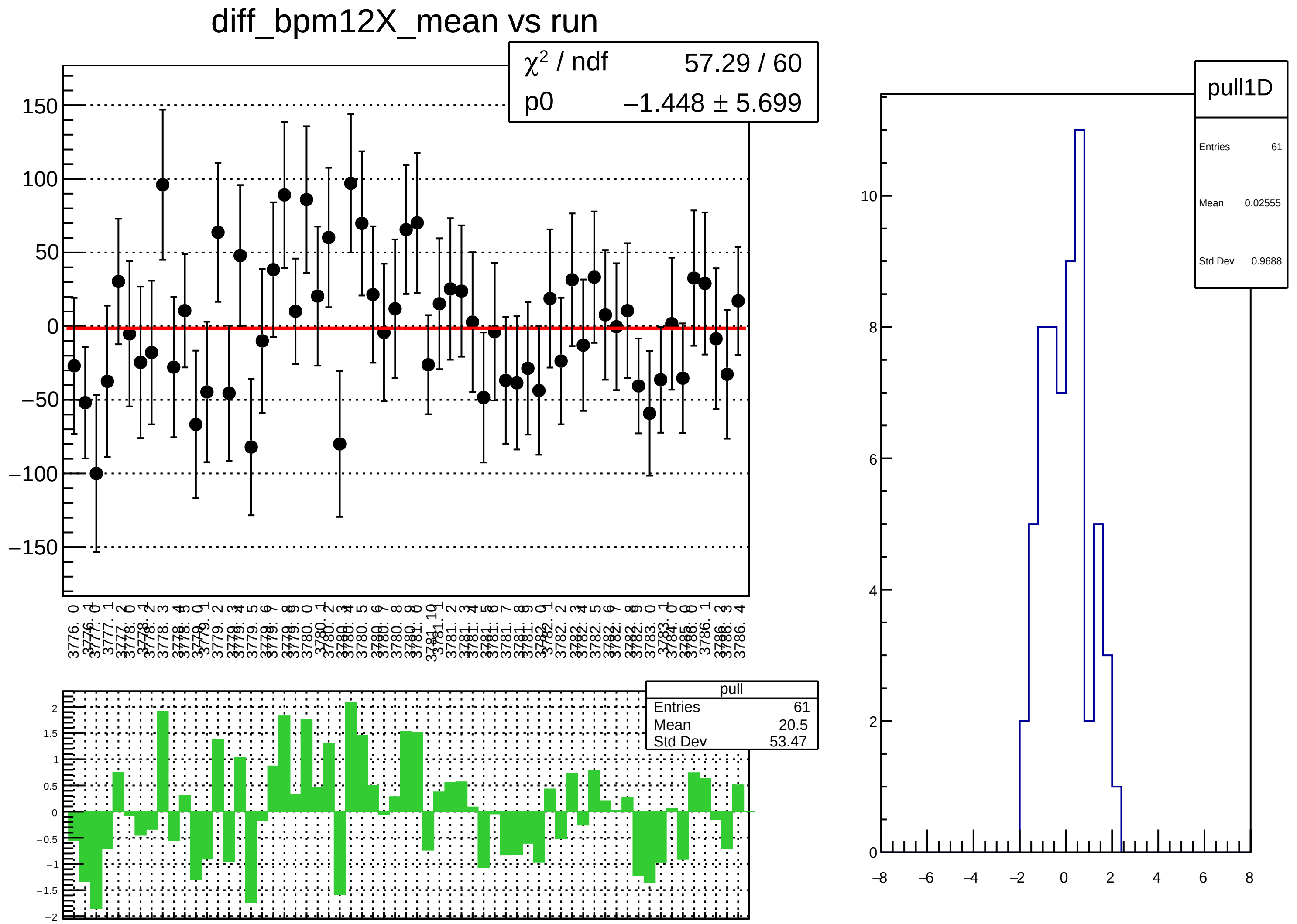

diff_bpm11X_rms vs run
χ2 / ndf 1027 / 60
p0 5960 ± 5.41
6400
6200
6000
5800
5600
5400



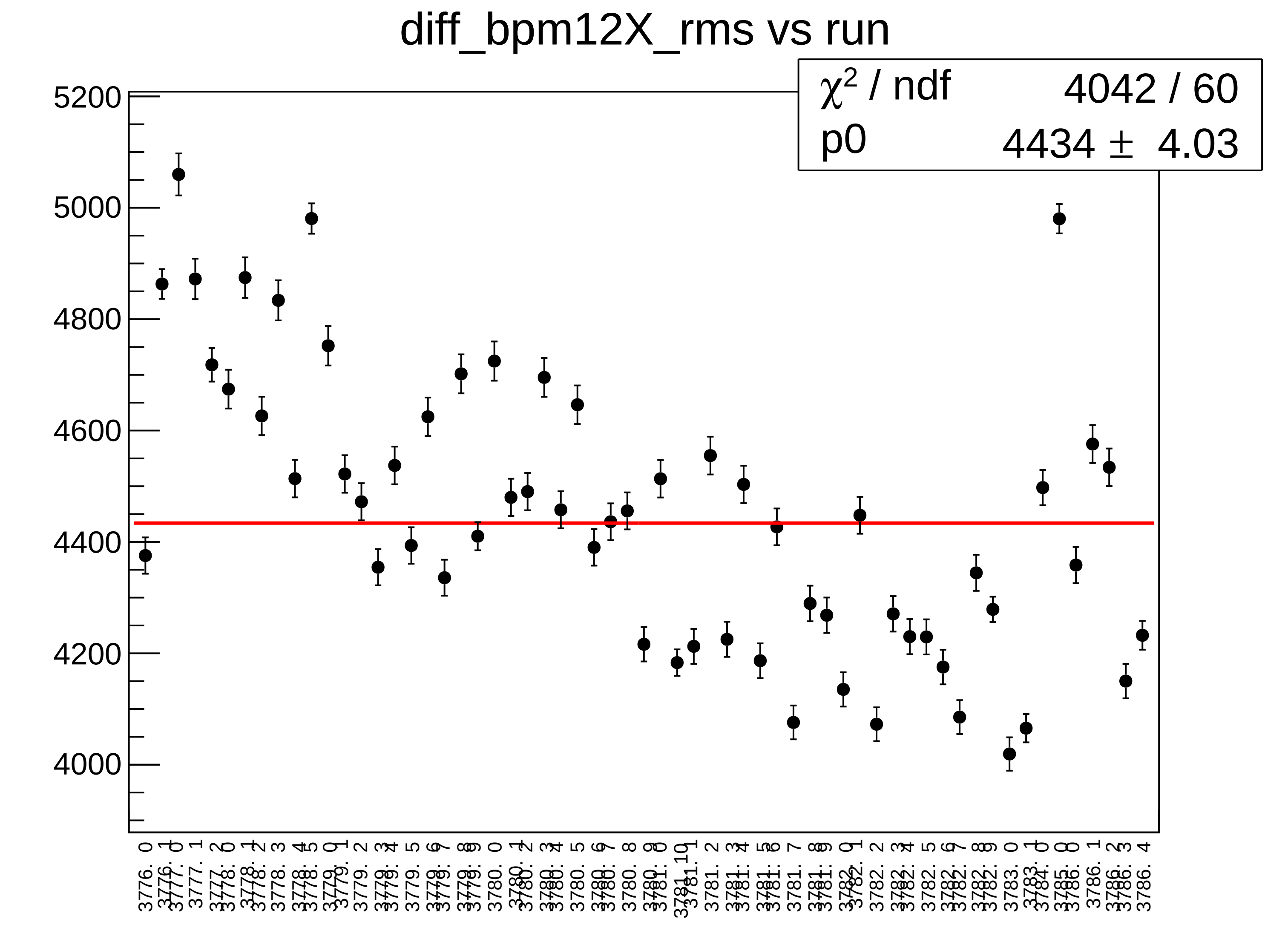
diff_bpm11Y_mean vs run
χ^2 / ndf 61.39 / 60
p0 −7.138 ± 2.776
100
50
0
−50
−100
pull
Entries 61
Mean 168.9
Std Dev 124
pull1D
Entries 61
Mean −0.005475
Std Dev 1.003



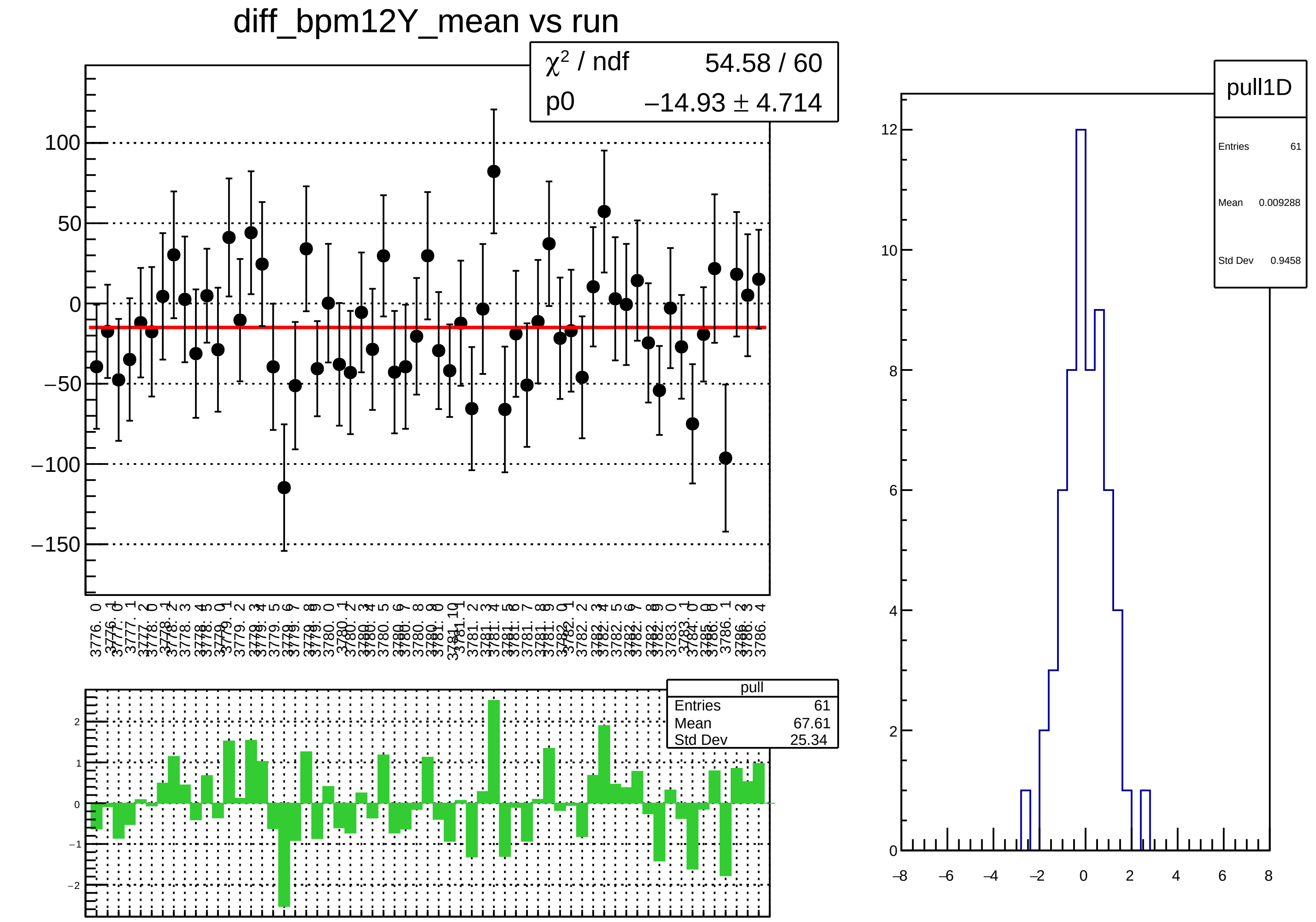
diff_bpm11Y_rms vs run
χ^2 / ndf 1.603e+04 / 60
p0 2149 ± 1.963
4500
4000
3500
3000
2500
2000
1500

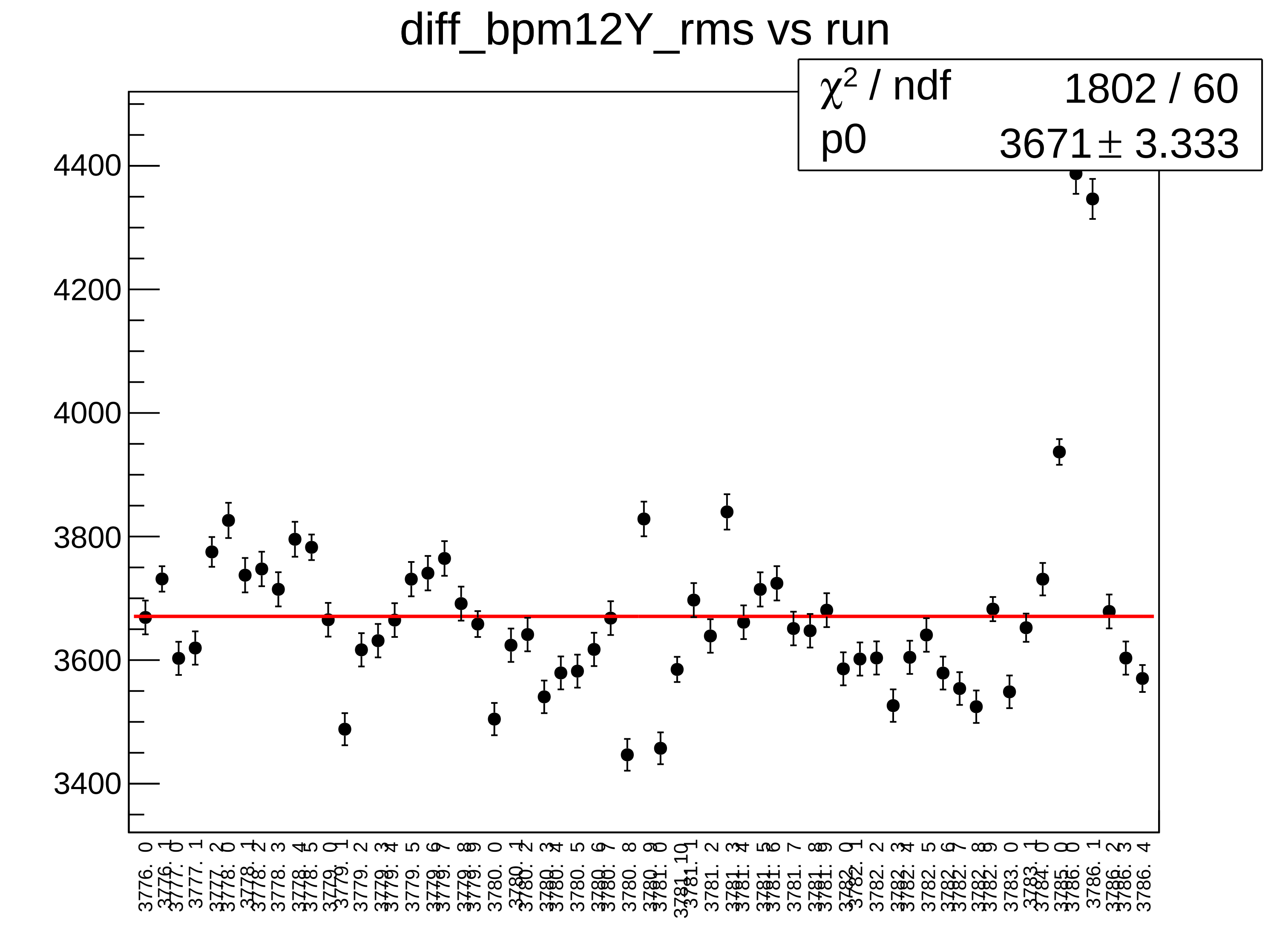


diff_bpm12X_mean vs run
χ^2 / ndf 57.29 / 60
p0 −1.448 ± 5.699
pull
Entries 61
Mean 20.5
Std Dev 53.47
pull1D
Entries 61
Mean 0.02555
Std Dev 0.9688

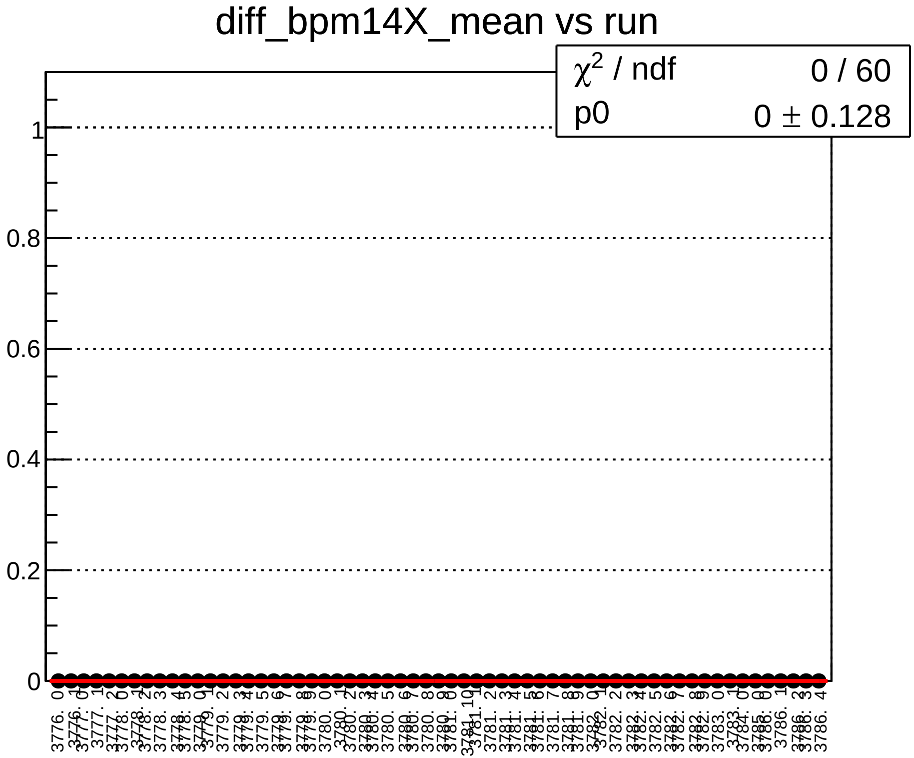


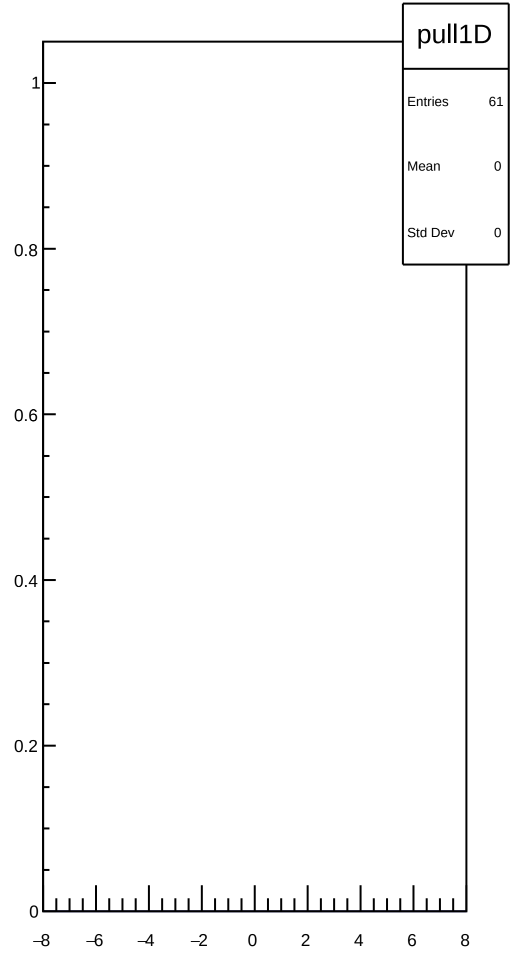
diff_bpm12X_rms vs run
χ2 / ndf 4042 / 60
p0 4434 ± 4.03

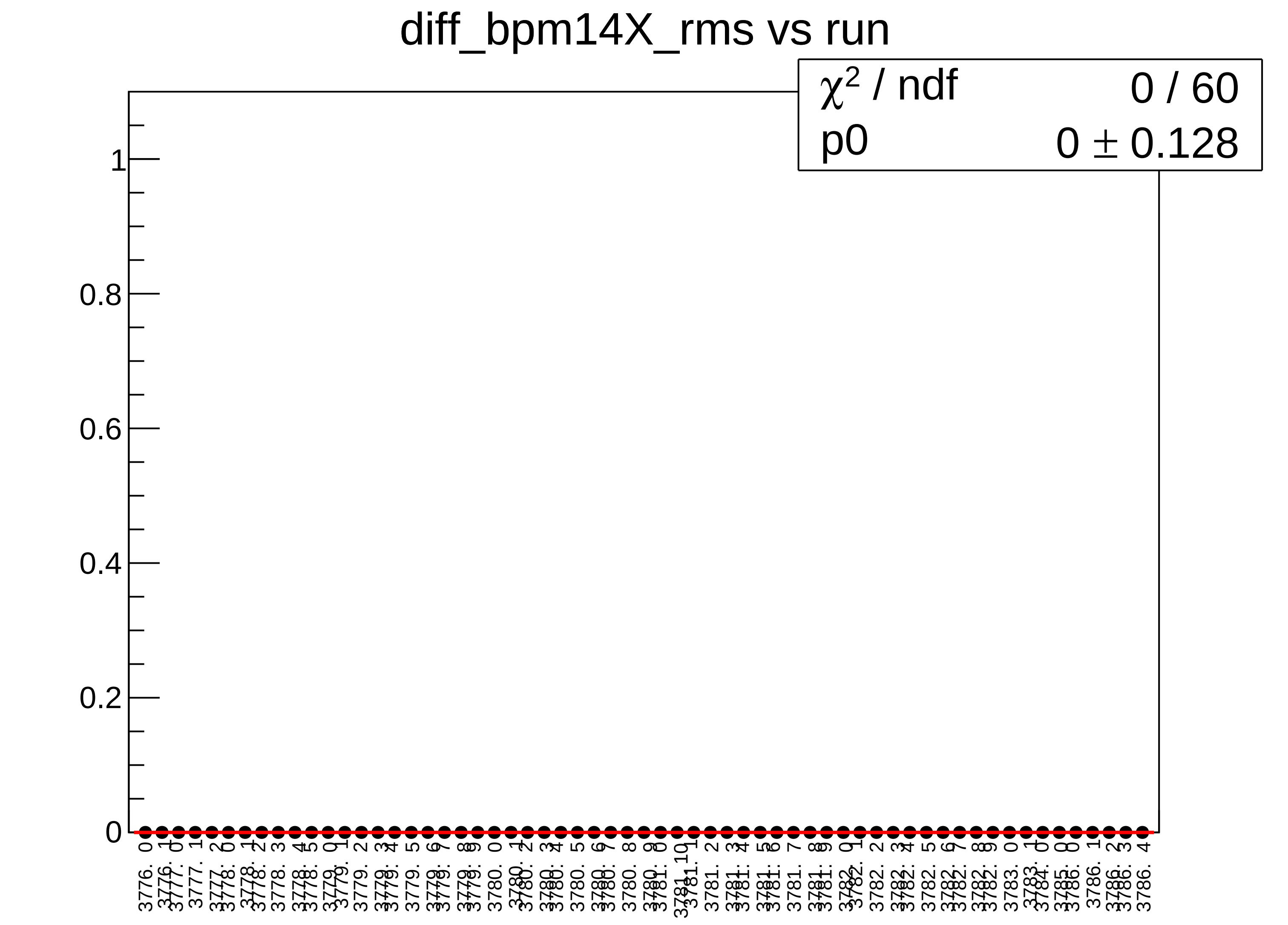

diff_bpm12Y_mean vs run
χ2 / ndf 54.58 / 60
p0 −14.93 ± 4.714
pull
Entries 61
Mean 67.61
Std Dev 25.34
pull1D
Entries 61
Mean 0.009288
Std Dev 0.9458



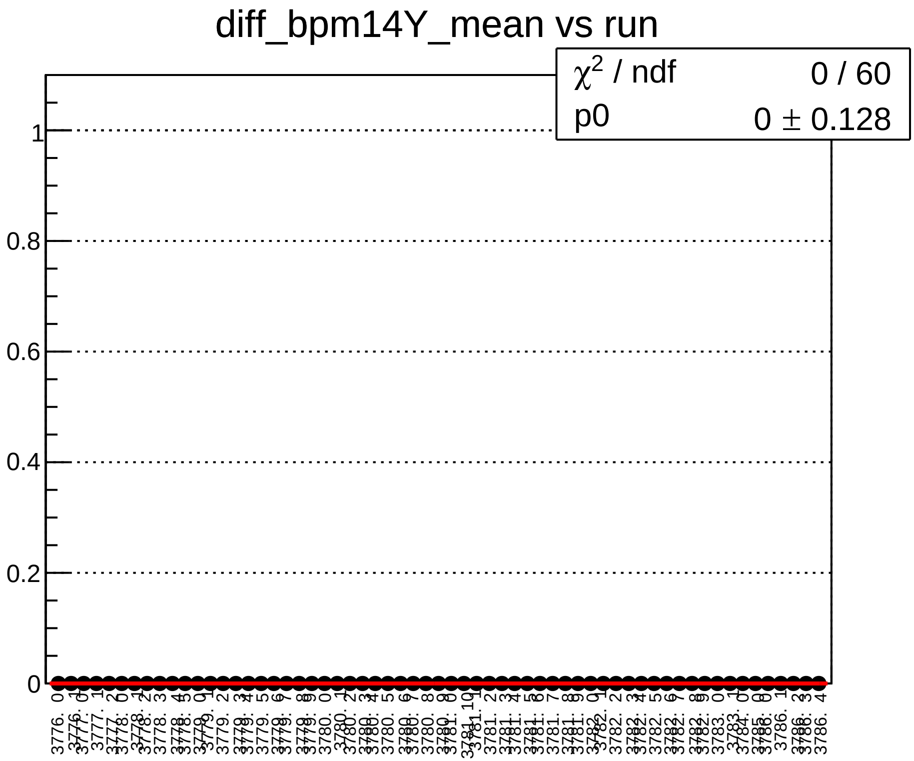
diff_bpm12Y_rms vs run
χ² / ndf 1802 / 60
p0 3671 ± 3.333
4400
4200
4000
3800
3600
3400


diff_bpm14X_mean vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0

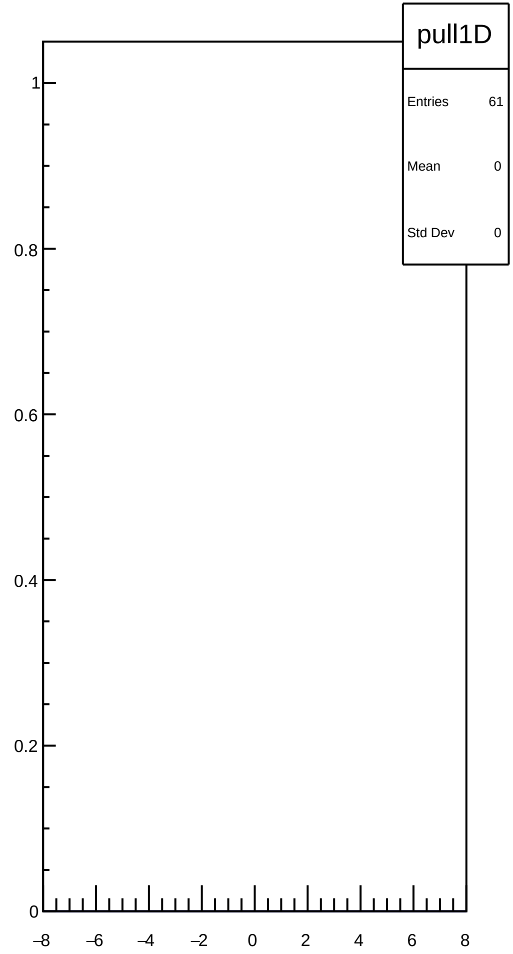

pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



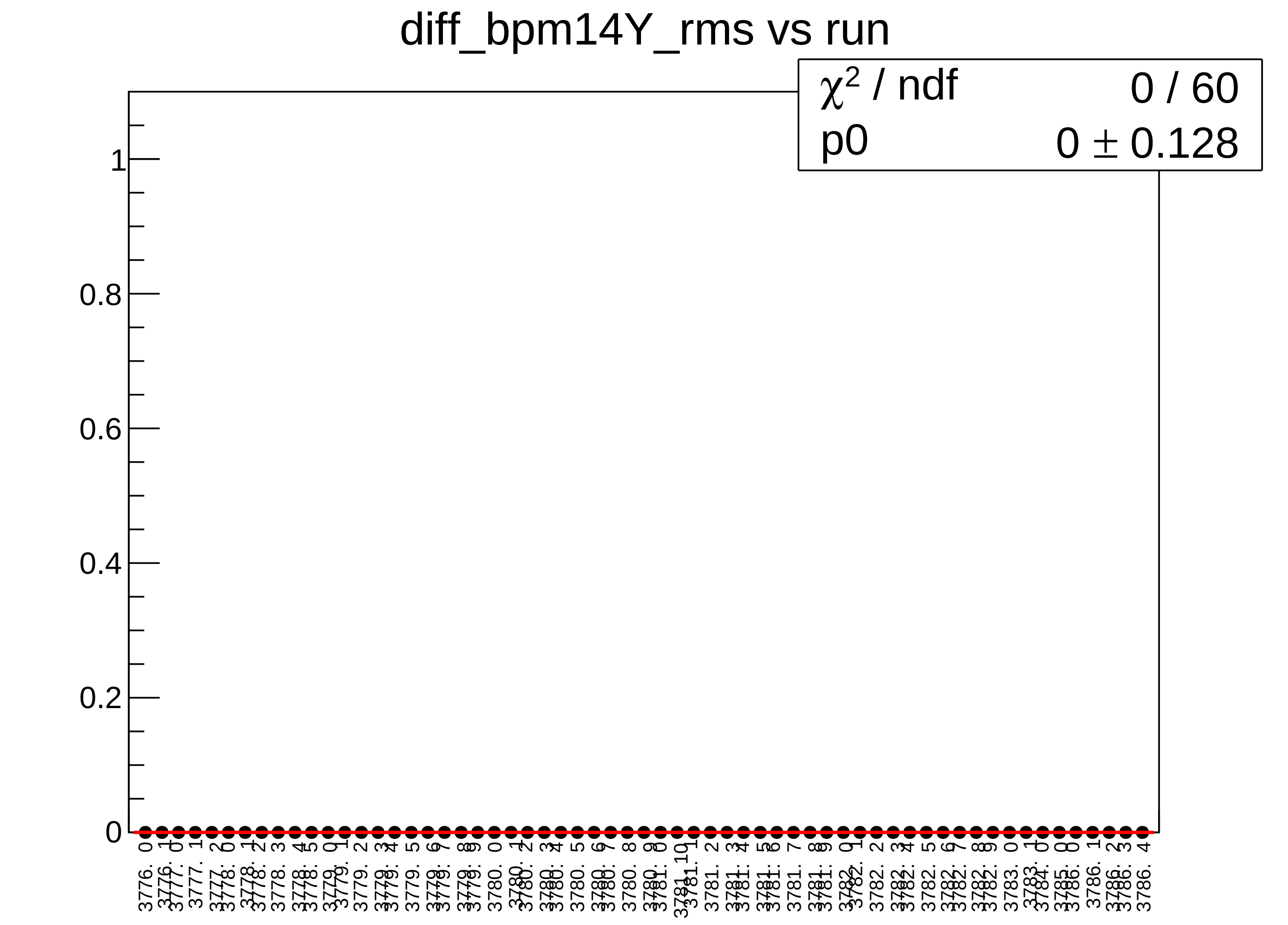
diff_bpm14X_rms vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128

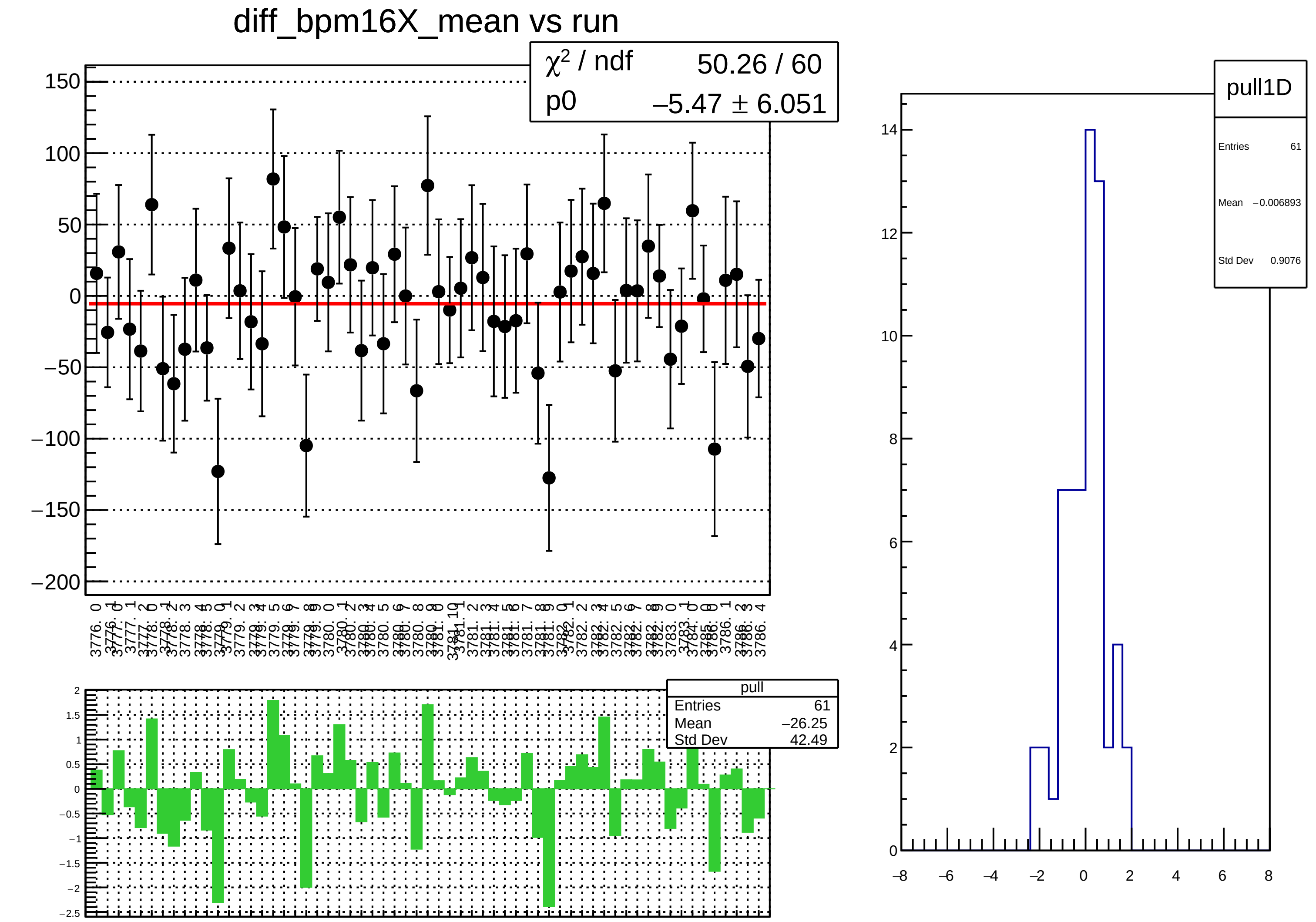


diff_bpm14Y_mean vs run
χ^2 / ndf 0 / 60
p0 0 ± 0.128

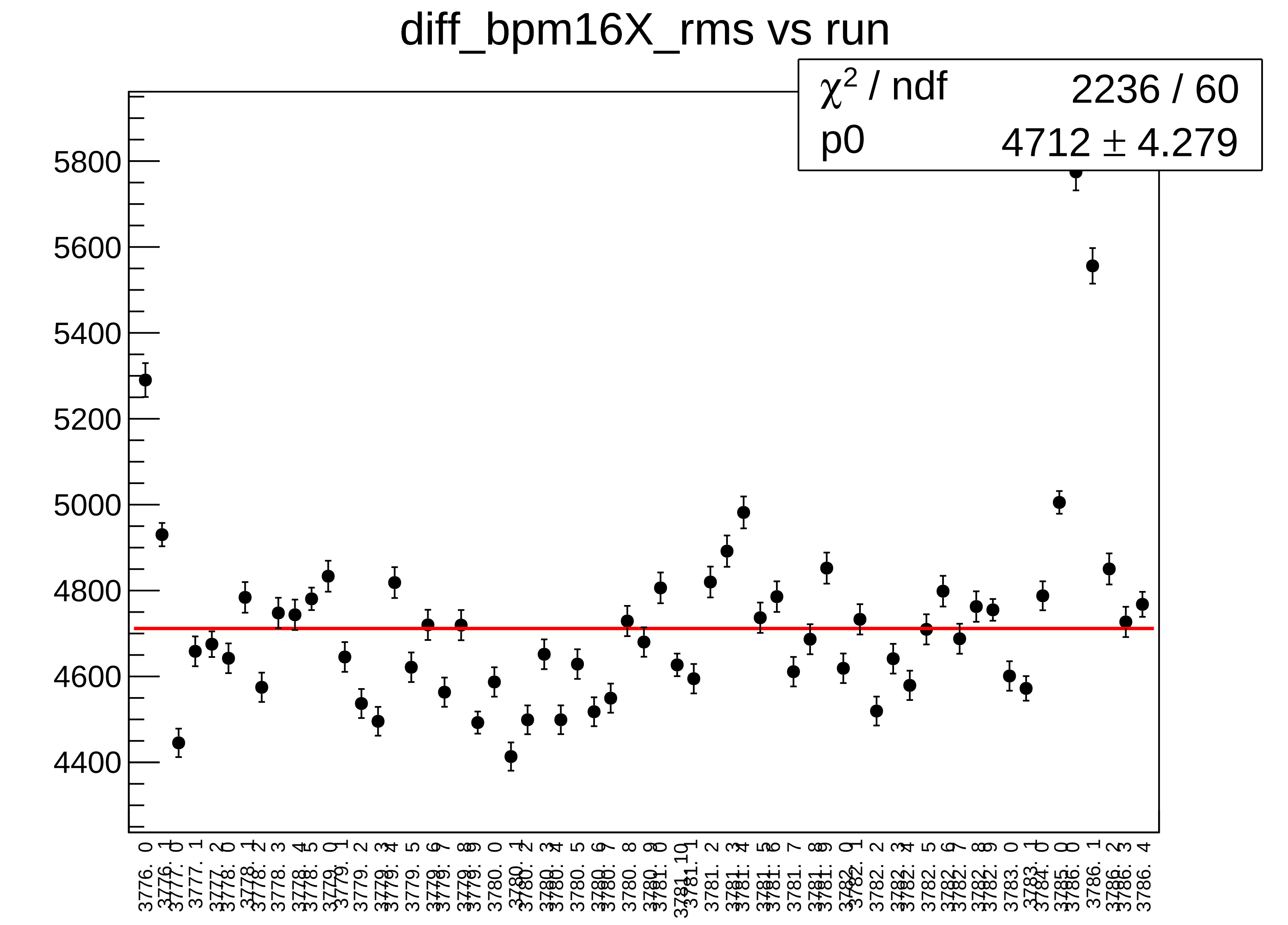


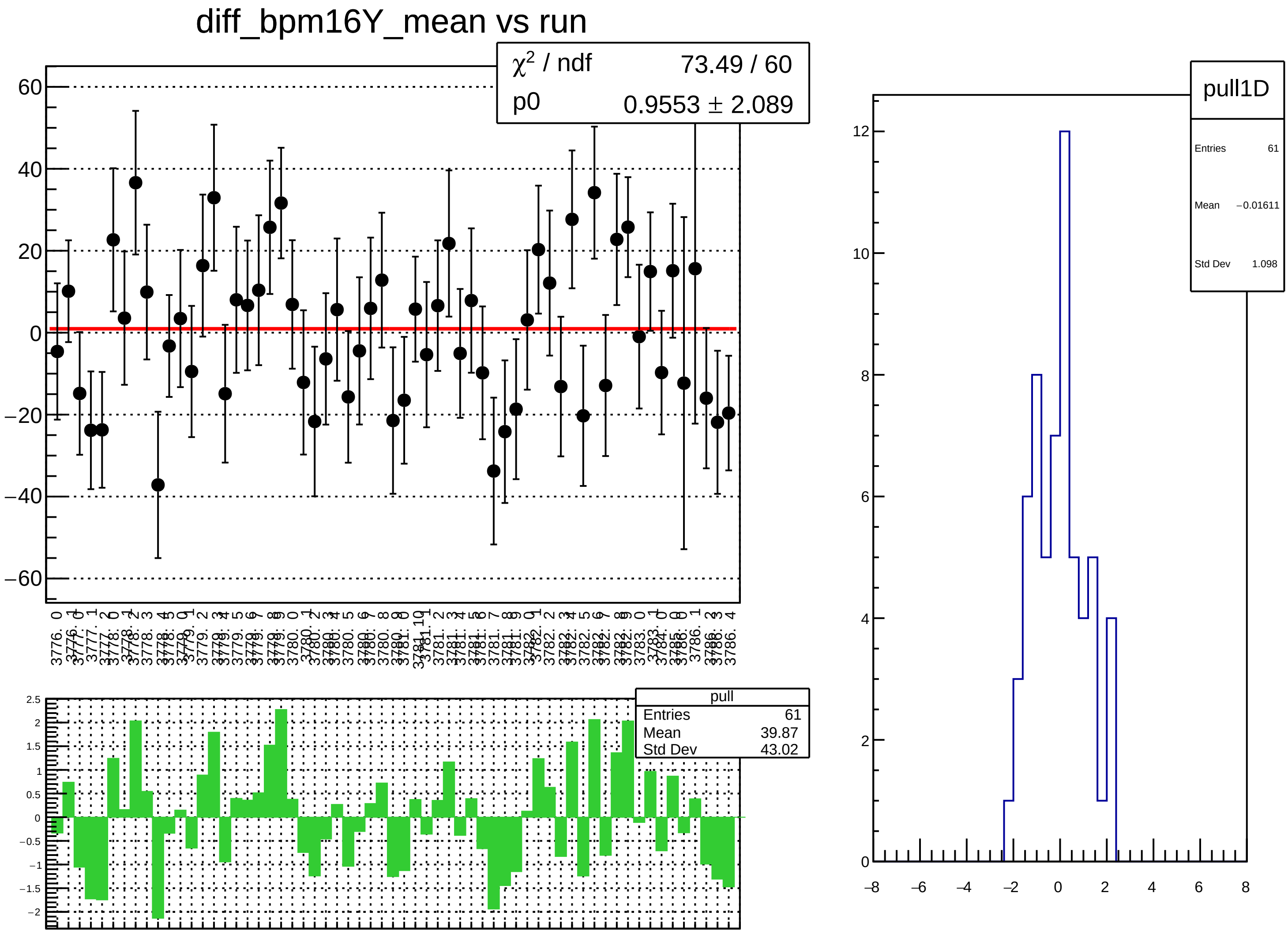
pull1D
Entries 61
Mean 0
Std Dev 0


diff_bpm14Y_rms vs run
χ2 / ndf 0 / 60
p0 0 ± 0.128
1
0.8
0.6
0.4
0.2
0

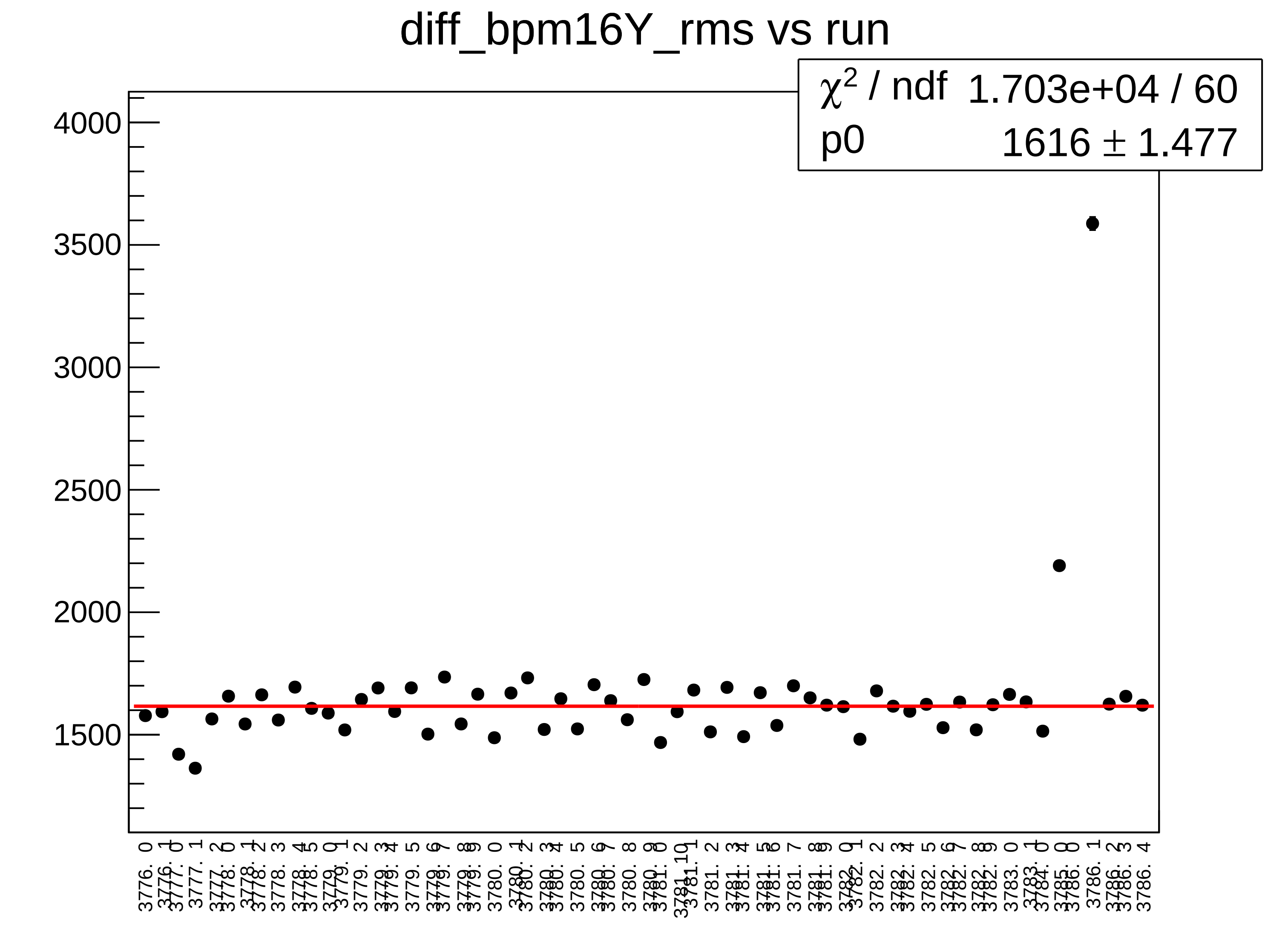


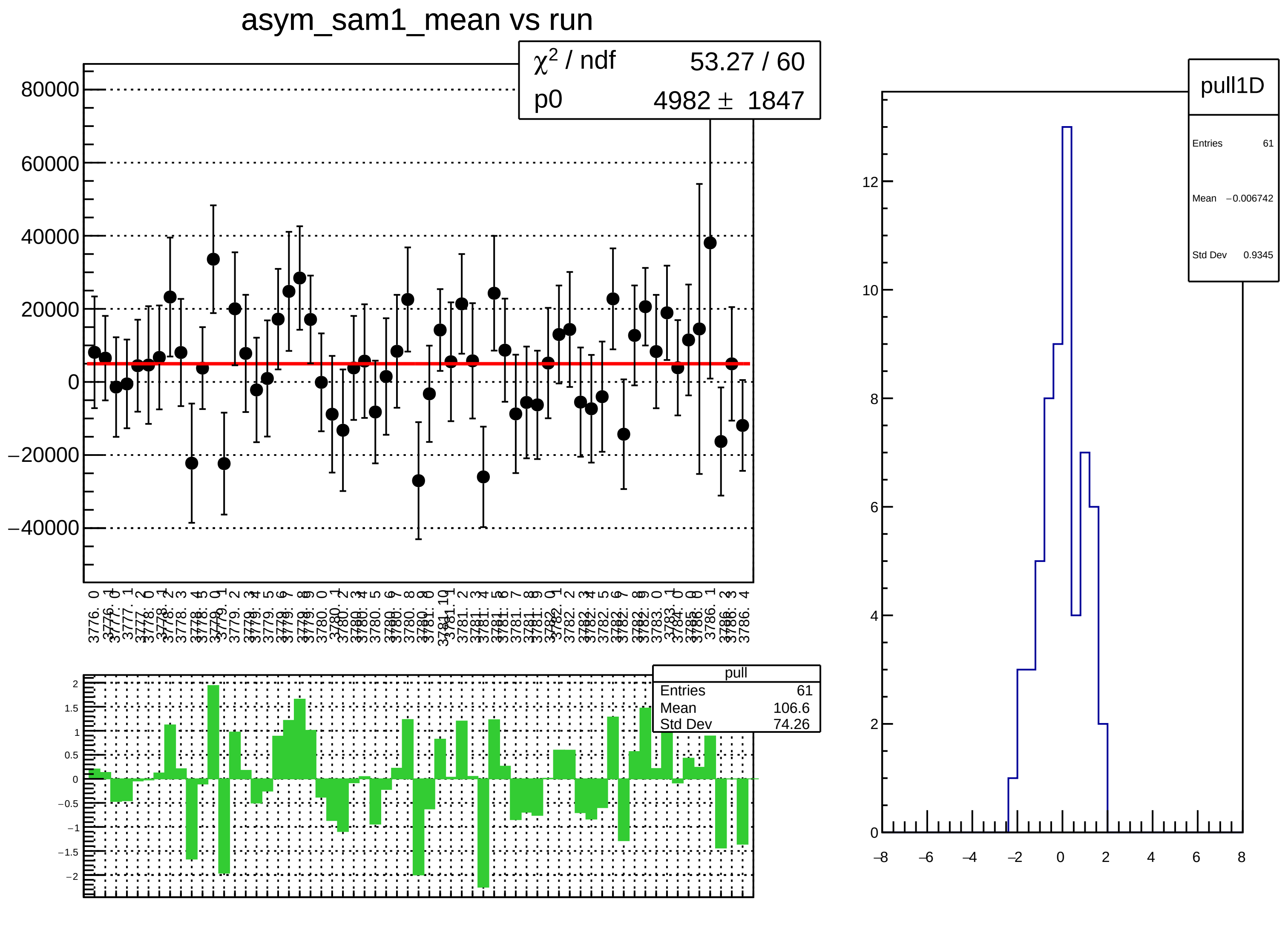
diff_bpm16X_mean vs run
χ2 / ndf 50.26 / 60
p0 −5.47 ± 6.051
pull
Entries 61
Mean −26.25
Std Dev 42.49
pull1D
Entries 61
Mean −0.006893
Std Dev 0.9076

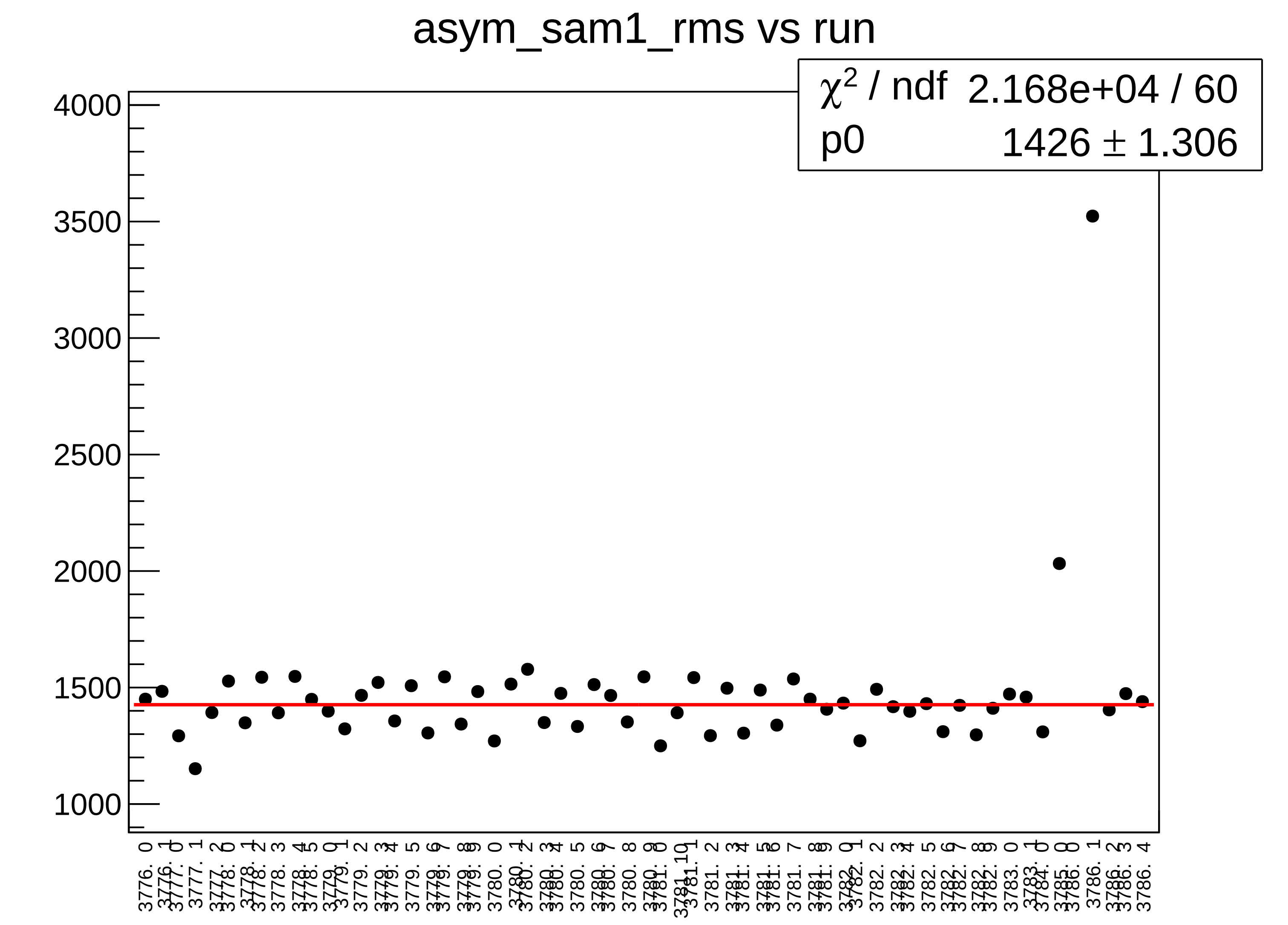

diff_bpm16X_rms vs run
χ2 / ndf 2236 / 60
p0 4712 ± 4.279

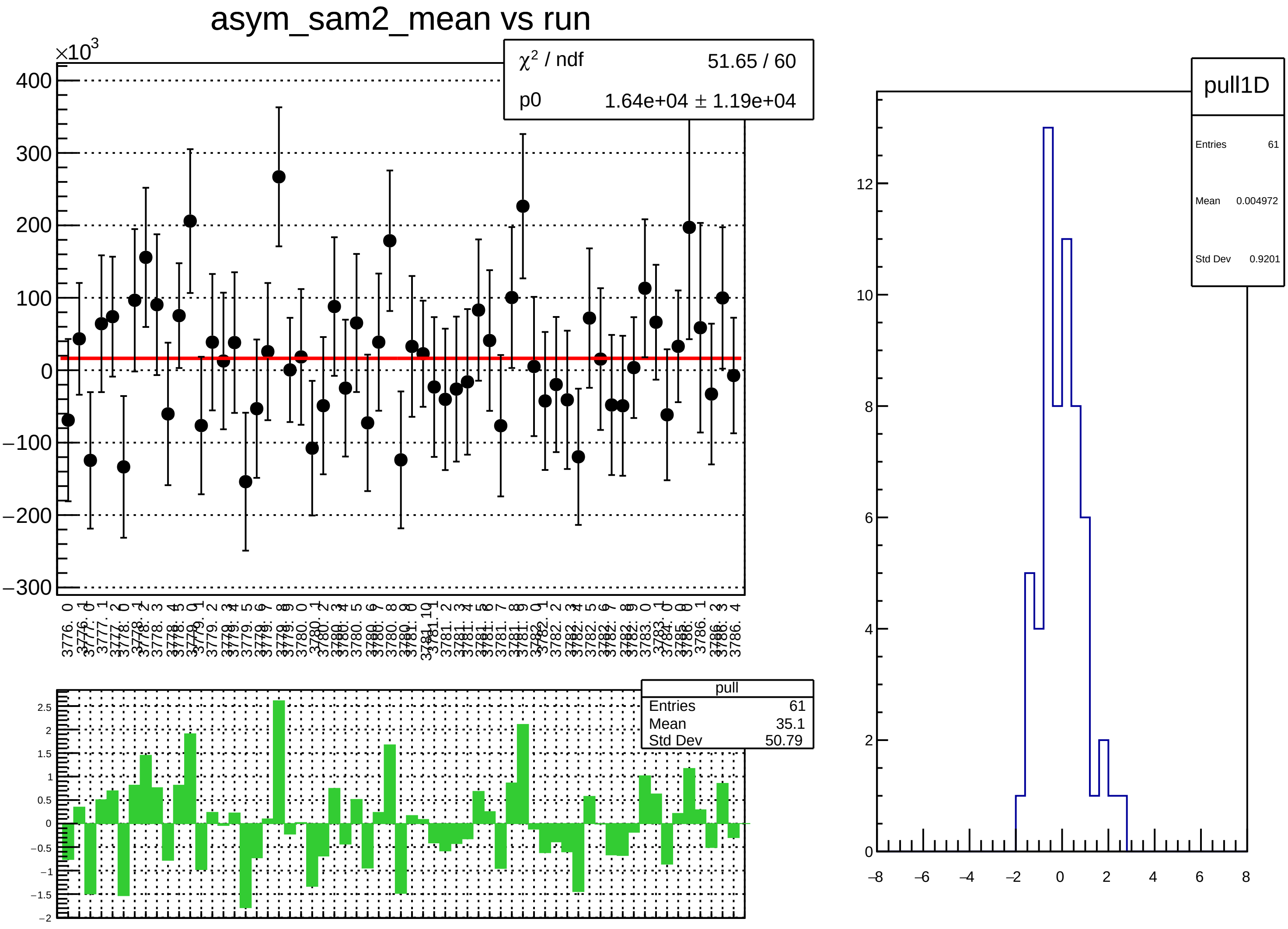


diff_bpm16Y_mean vs run
χ^2 / ndf 73.49 / 60
p0 0.9553 ± 2.089
pull
Entries 61
Mean 39.87
Std Dev 43.02
pull1D
Entries 61
Mean −0.01611
Std Dev 1.098

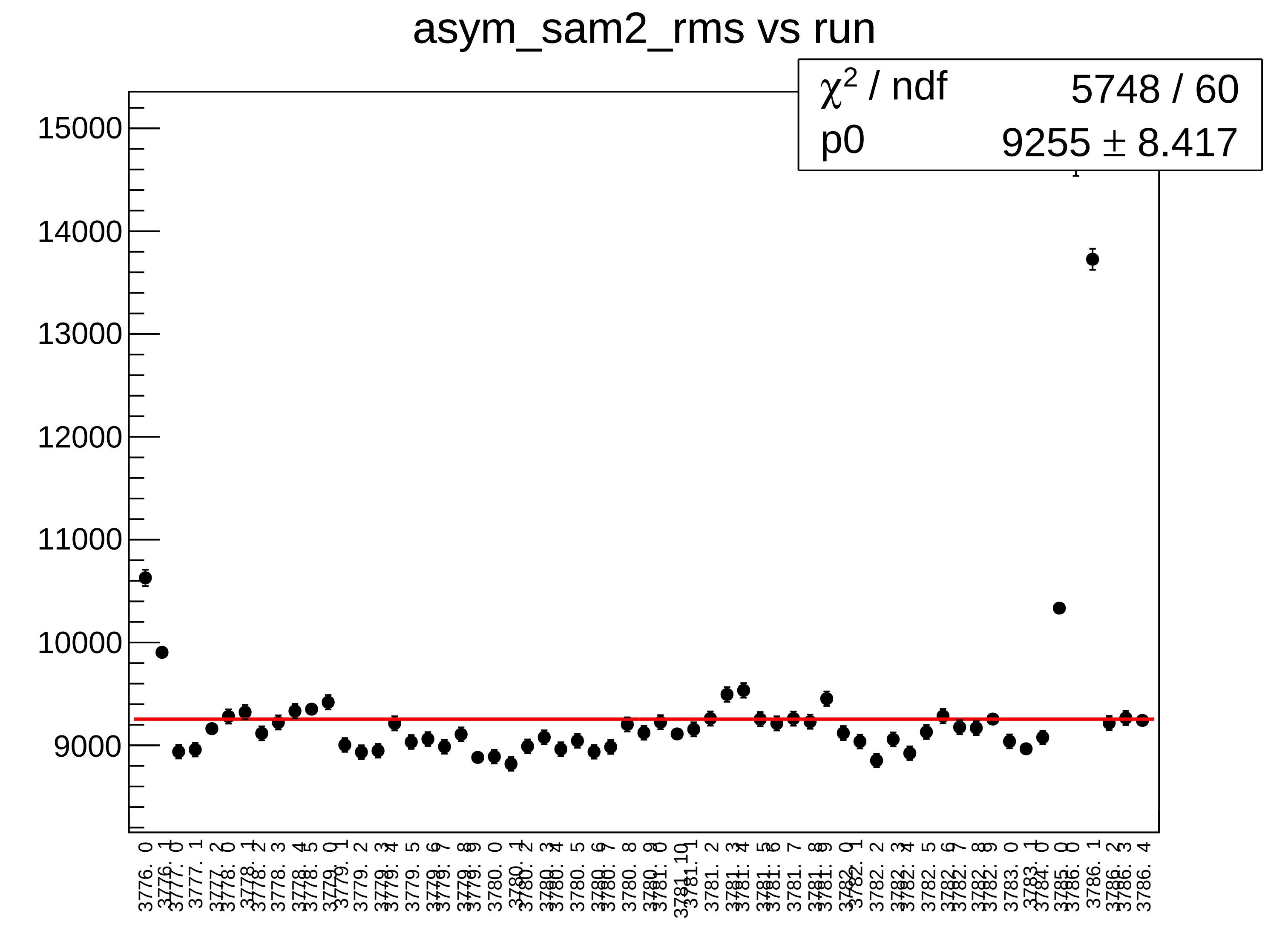

diff_bpm16Y_rms vs run
χ2 / ndf 1.703e+04 / 60
p0 1616 ± 1.477

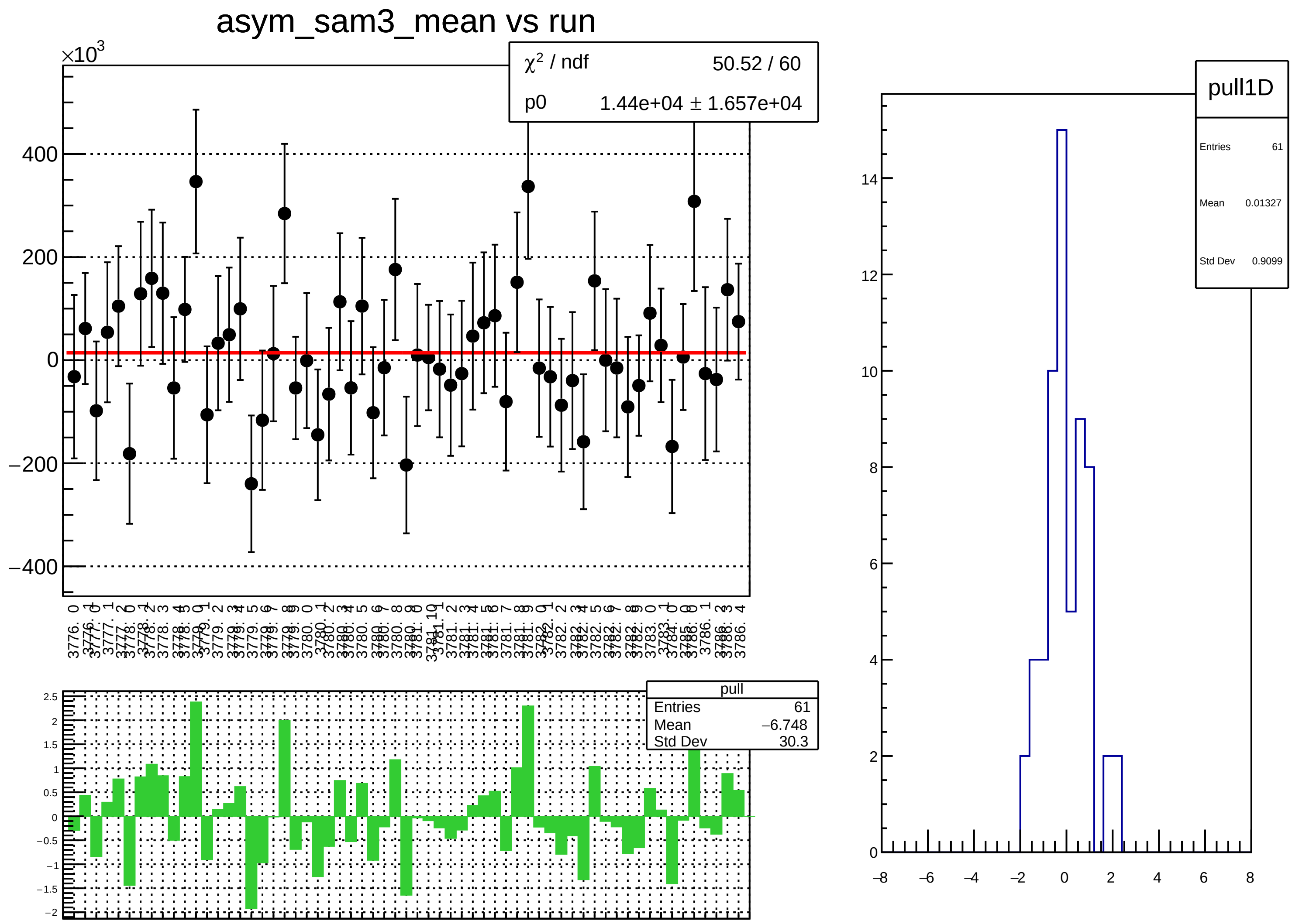

asym_sam1_mean vs run
χ^2 / ndf 53.27 / 60
p0 4982 ± 1847
pull
Entries 61
Mean 106.6
Std Dev 74.26
pull1D
Entries 61
Mean −0.006742
Std Dev 0.9345


asym_sam1_rms vs run
χ^2 / ndf 2.168e+04 / 60
p0 1426 ± 1.306
4000
3500
3000
2500
2000
1500
1000

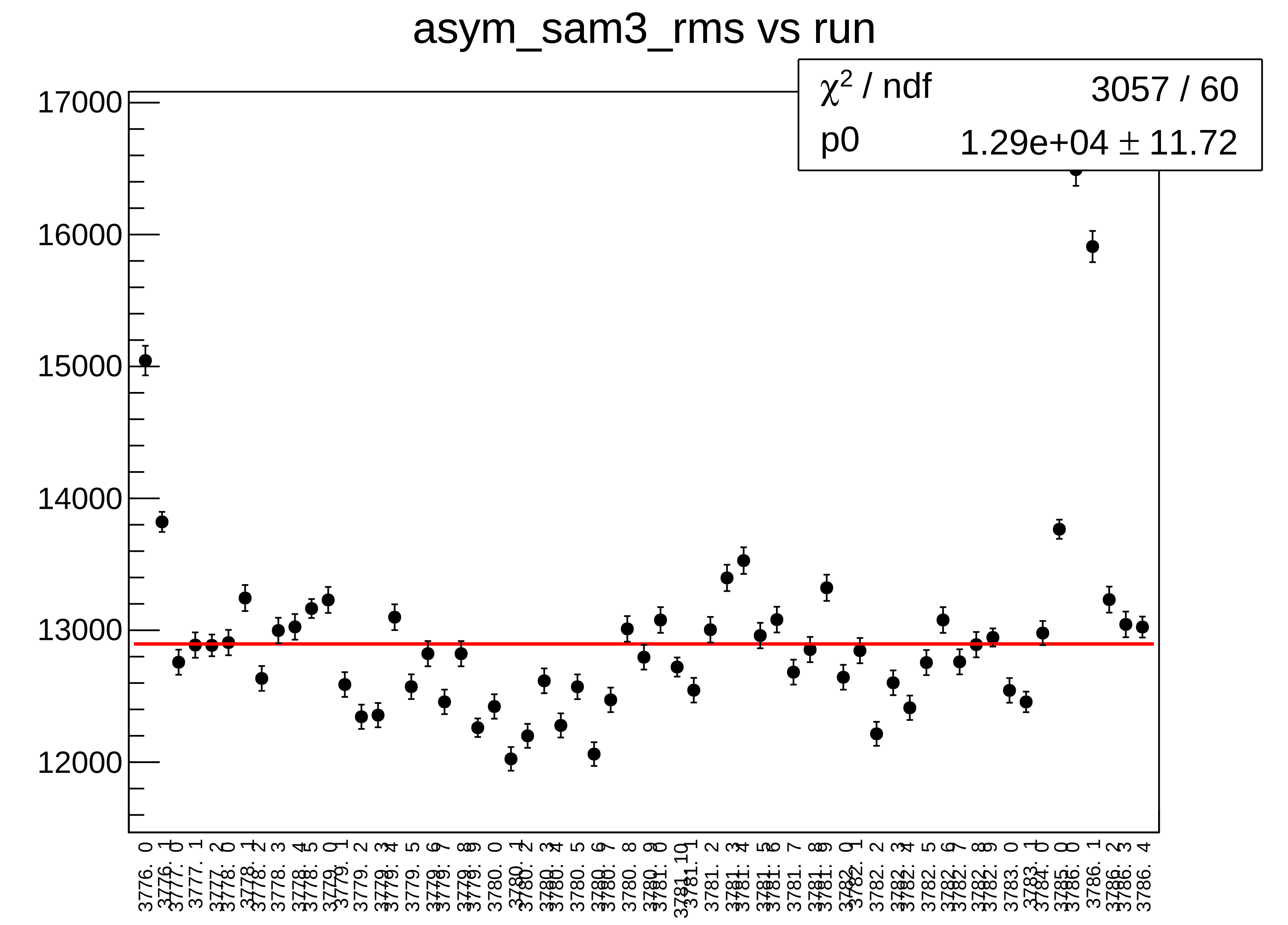


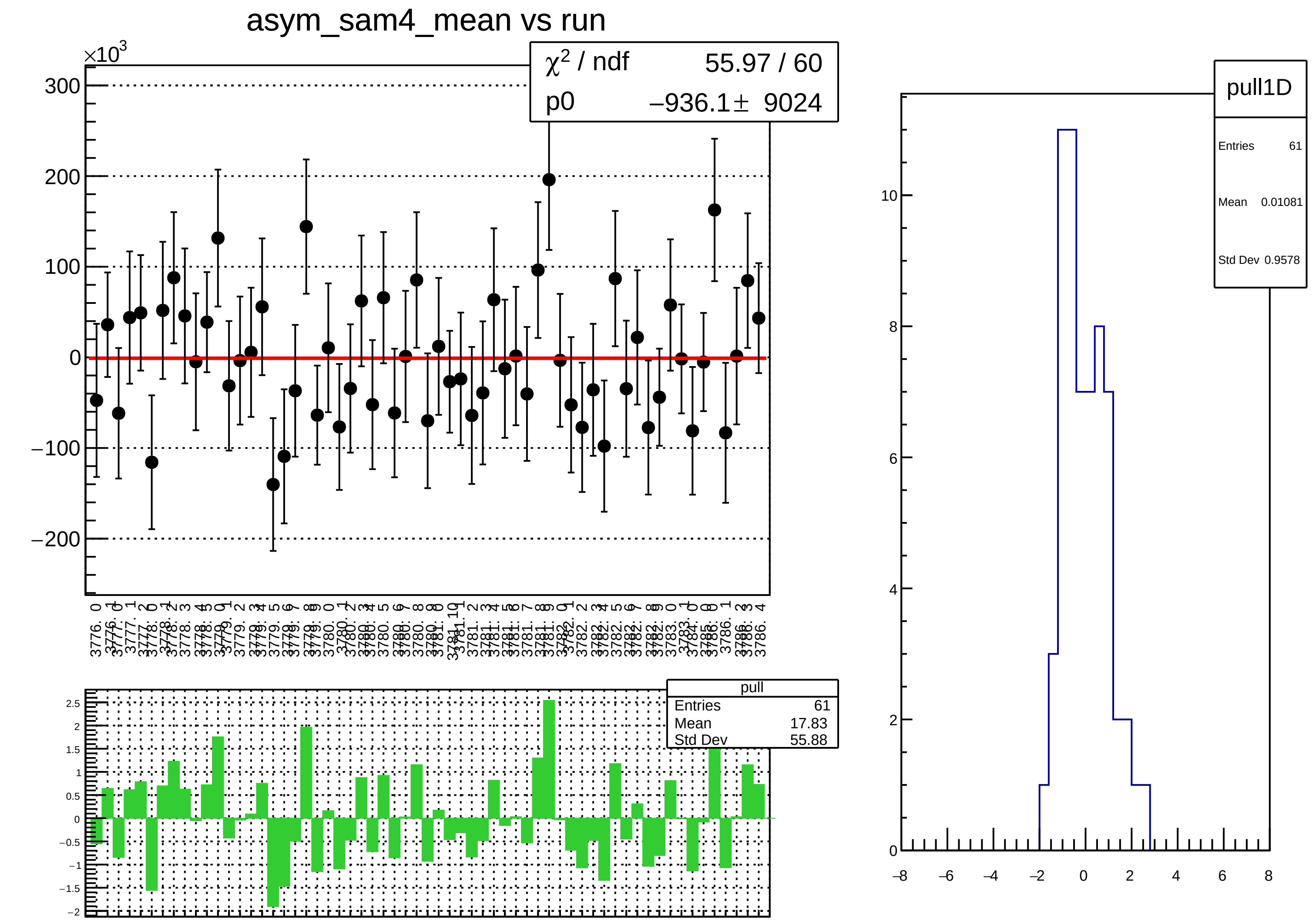
asym_sam2_mean vs run
χ2 / ndf 51.65 / 60
p0 1.64e+04 ± 1.19e+04
pull
Entries 61
Mean 35.1
Std Dev 50.79
pull1D
Entries 61
Mean 0.004972
Std Dev 0.9201


asym_sam2_rms vs run
χ^2 / ndf 5748 / 60
p0 9255 ± 8.417
15000
14000
13000
12000
11000
10000
9000

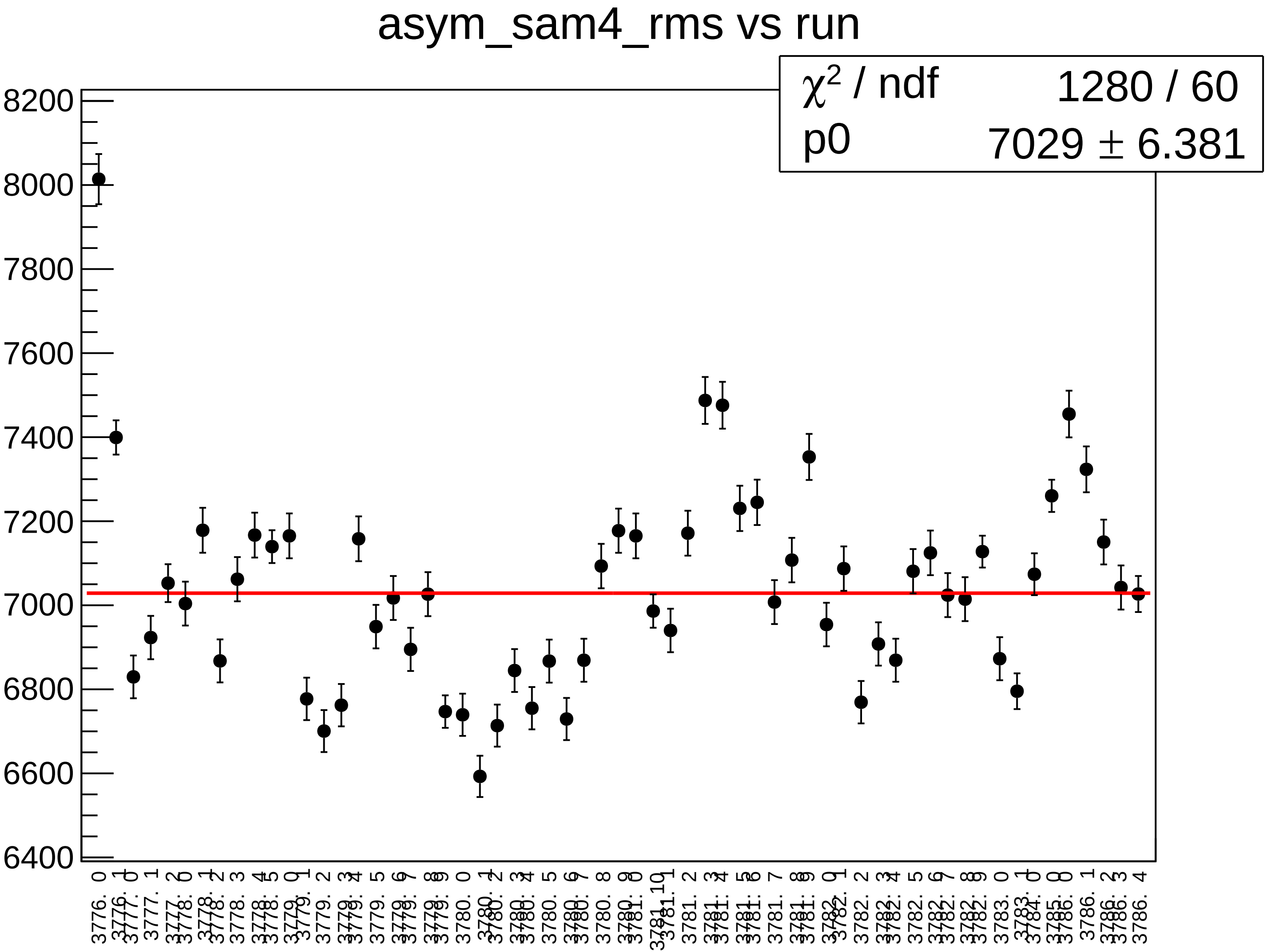


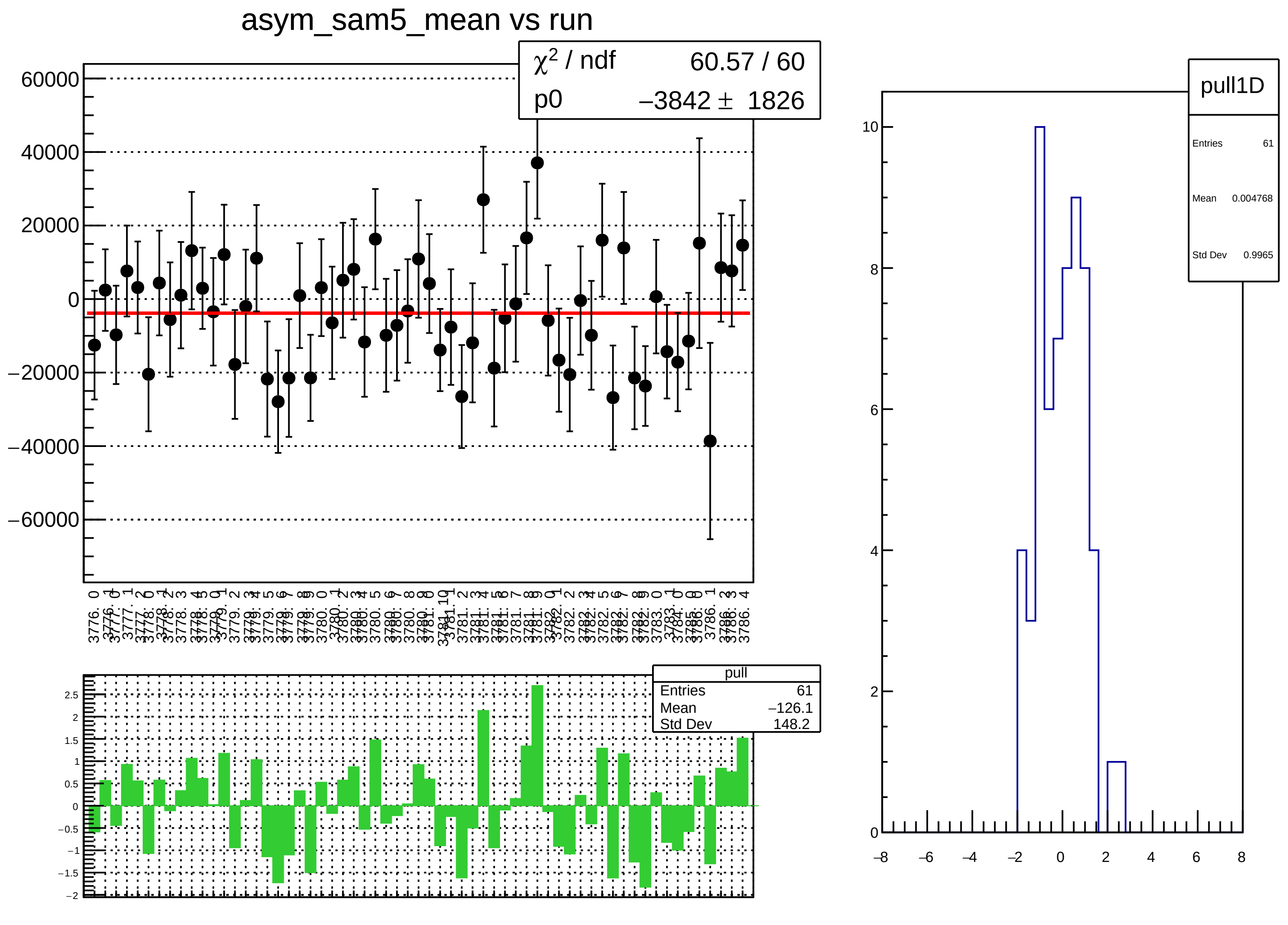
asym_sam3_mean vs run
$\times 10^3$
χ^2 / ndf 50.52 / 60
p0 1.44e+04 ± 1.657e+04
400
200
0
−200
−400
pull
Entries 61
Mean −6.748
Std Dev 30.3
pull1D
Entries 61
Mean 0.01327
Std Dev 0.9099


asym_sam3_rms vs run
χ2 / ndf 3057 / 60
p0 1.29e+04 ± 11.72
17000
16000
15000
14000
13000
12000

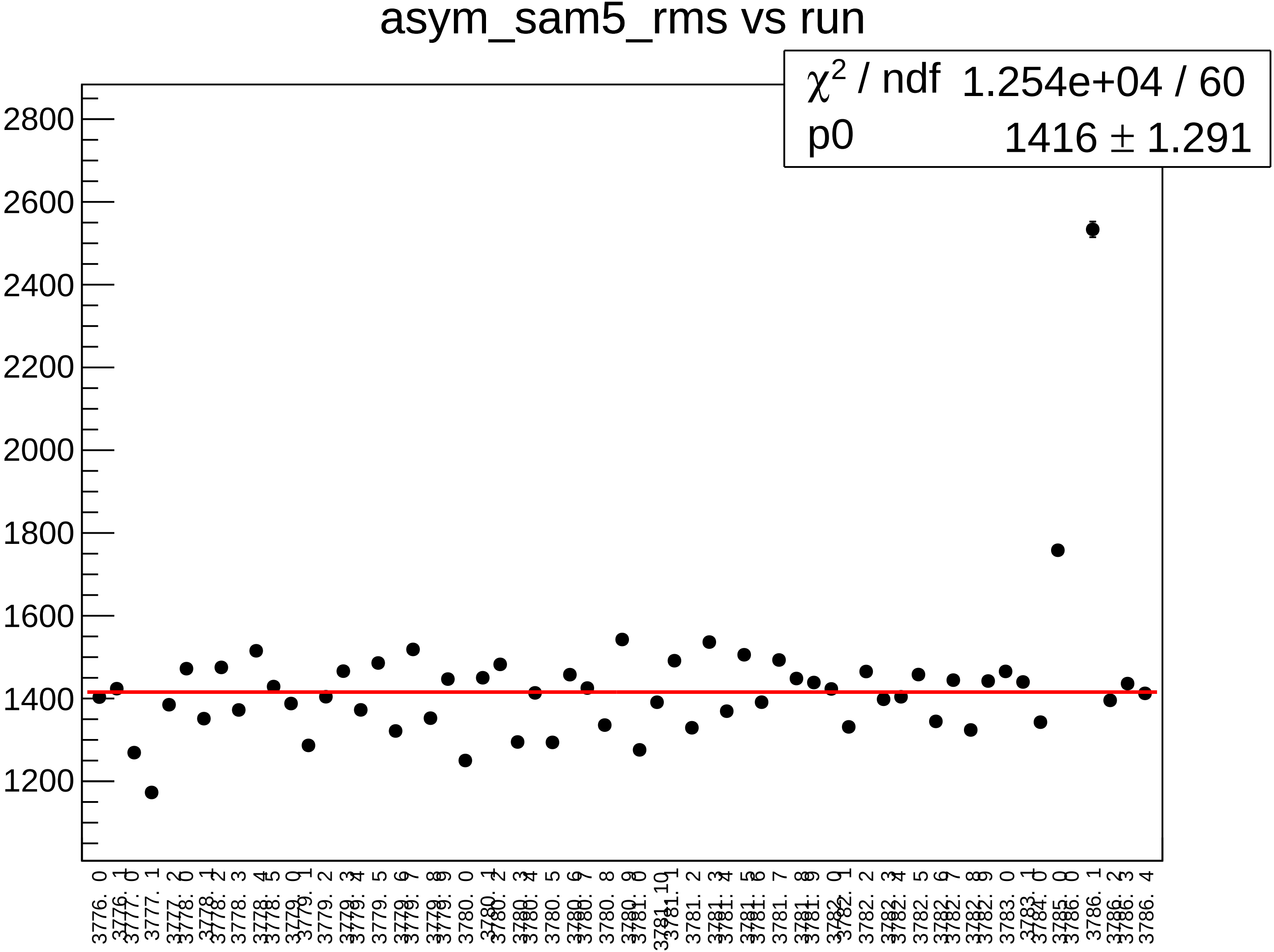


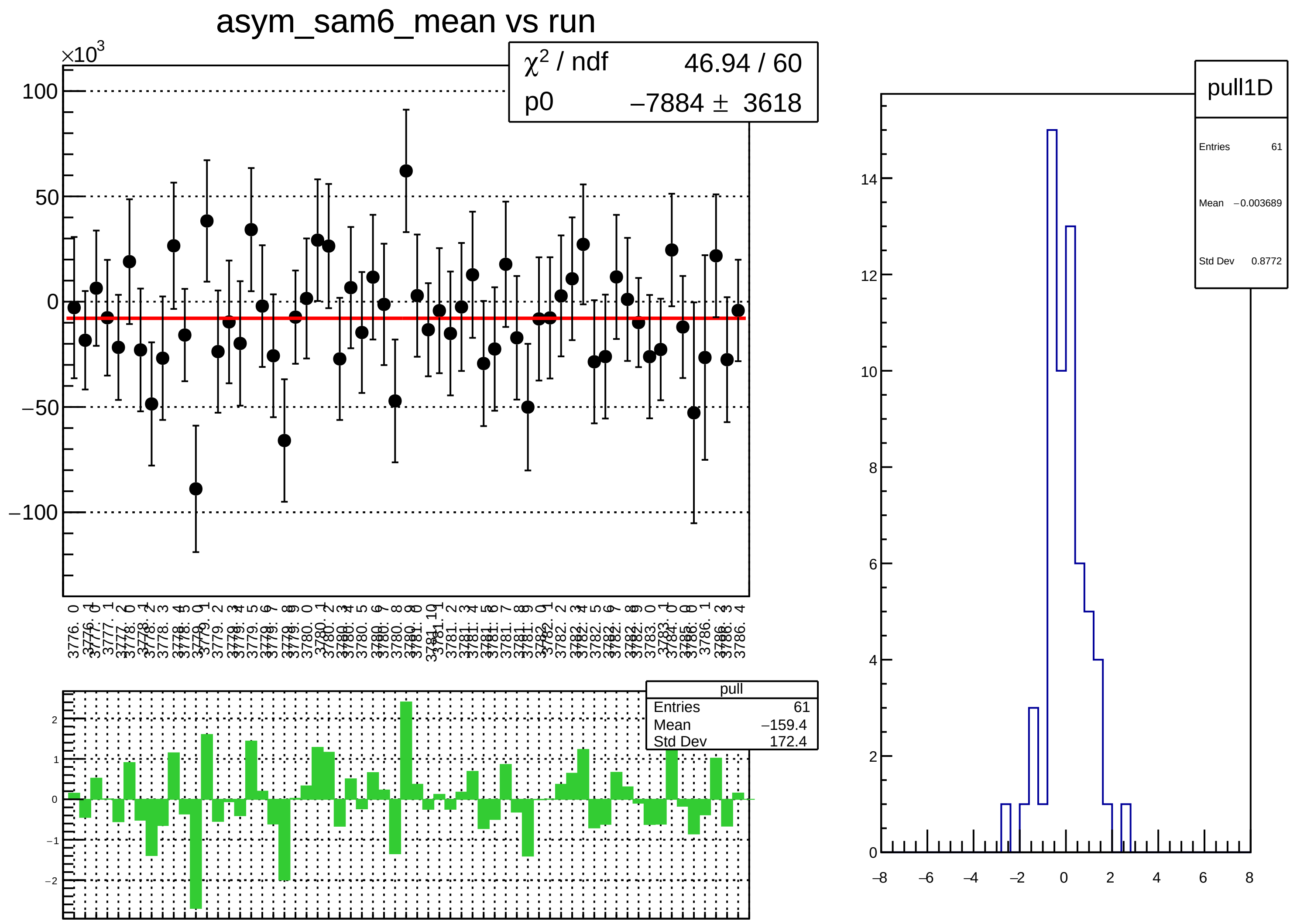
asym_sam4_mean vs run
χ2 / ndf 55.97 / 60
p0 −936.1 ± 9024
×10^3
pull
Entries 61
Mean 17.83
Std Dev 55.88
pull1D
Entries 61
Mean 0.01081
Std Dev 0.9578


asym_sam4_rms vs run
χ^2 / ndf 1280 / 60
p0 7029 ± 6.381
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400

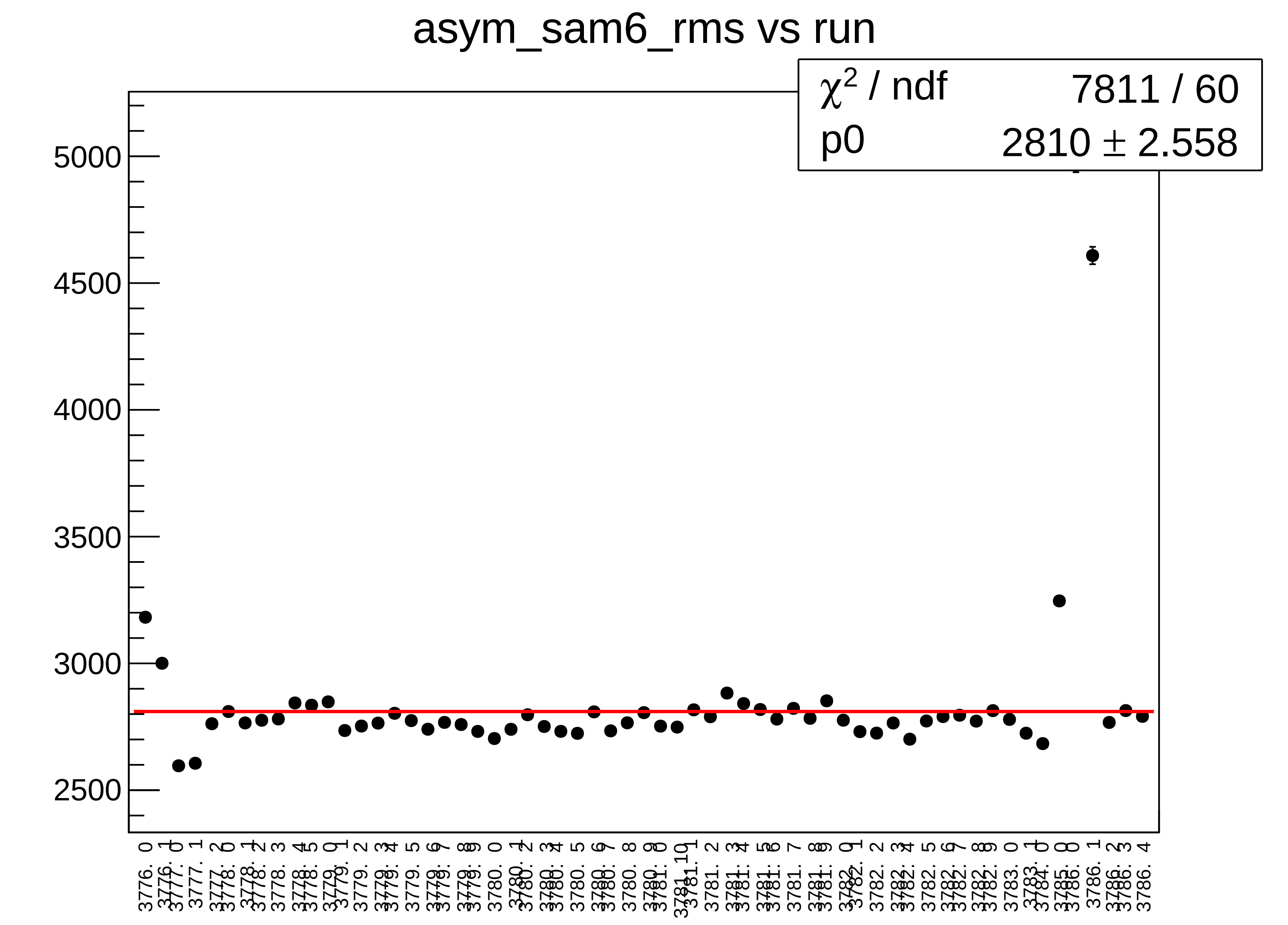


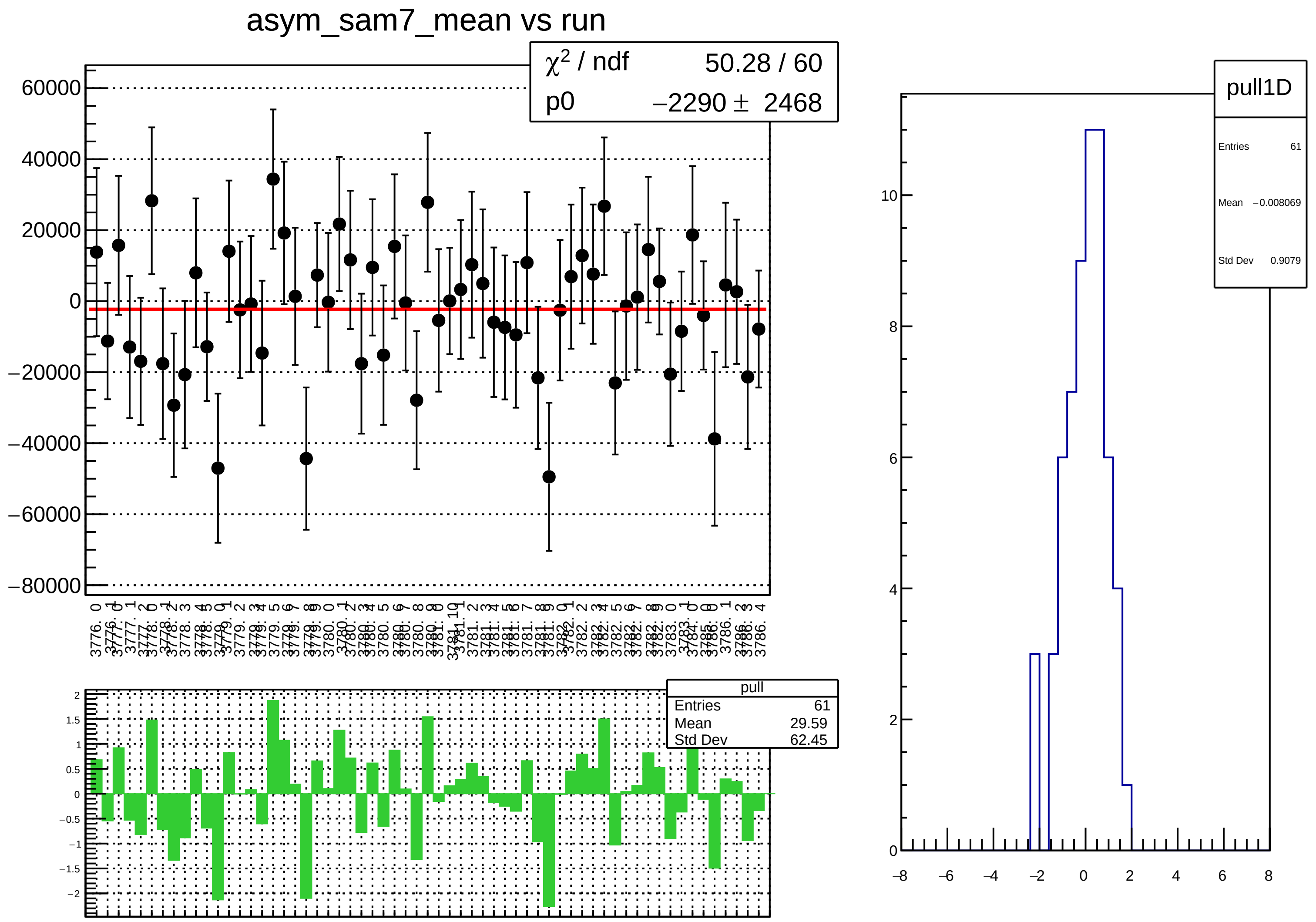
asym_sam5_mean vs run
χ^2 / ndf 60.57 / 60
p0 −3842 ± 1826
pull
Entries 61
Mean −126.1
Std Dev 148.2
pull1D
Entries 61
Mean 0.004768
Std Dev 0.9965


asym_sam5_rms vs run
χ^2 / ndf 1.254e+04 / 60
p0 1416 ± 1.291
2800
2600
2400
2200
2000
1800
1600
1400
1200

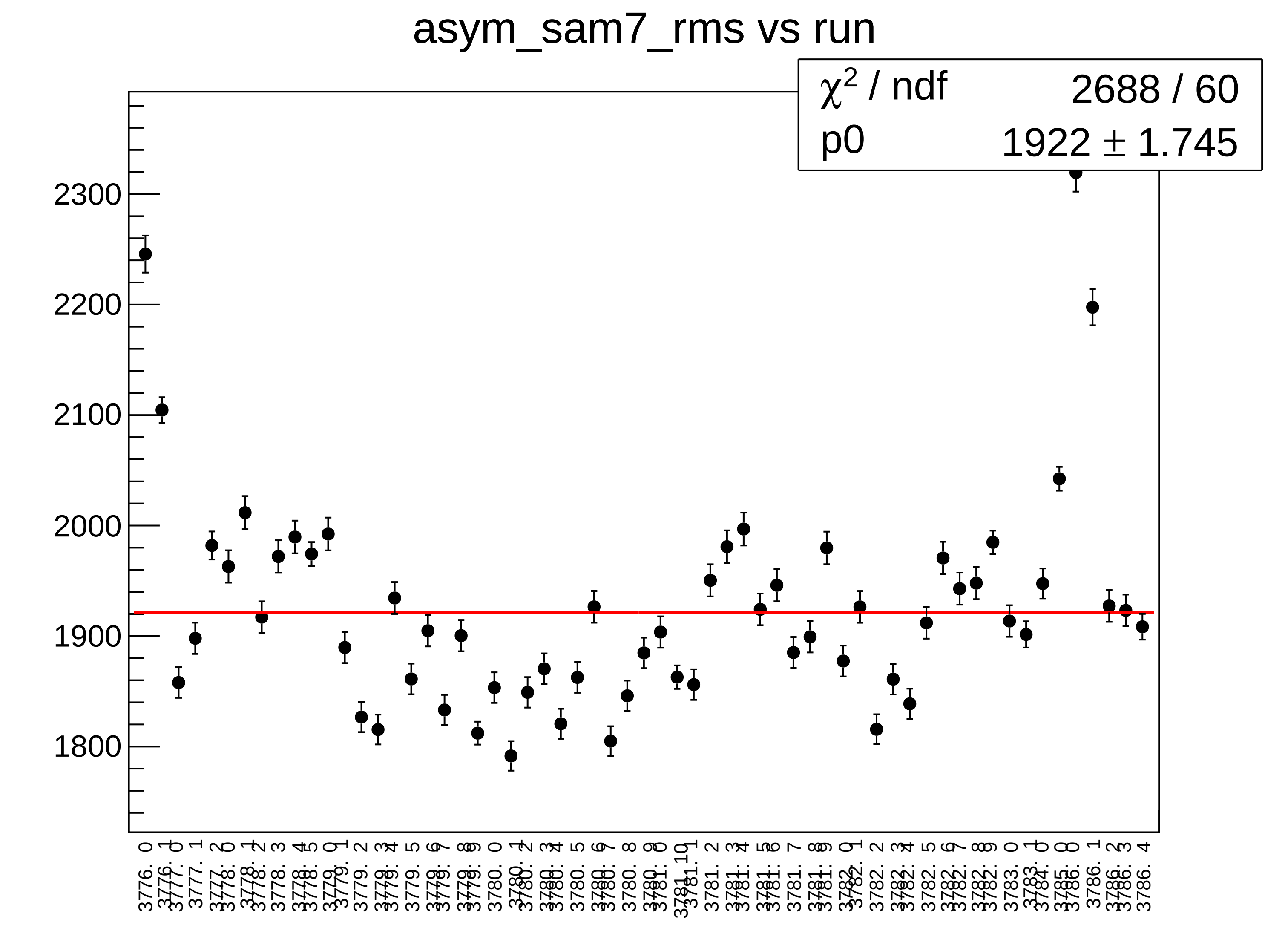


asym_sam6_mean vs run
χ2 / ndf 46.94 / 60
p0 −7884 ± 3618
pull
Entries 61
Mean −159.4
Std Dev 172.4
pull1D
Entries 61
Mean −0.003689
Std Dev 0.8772

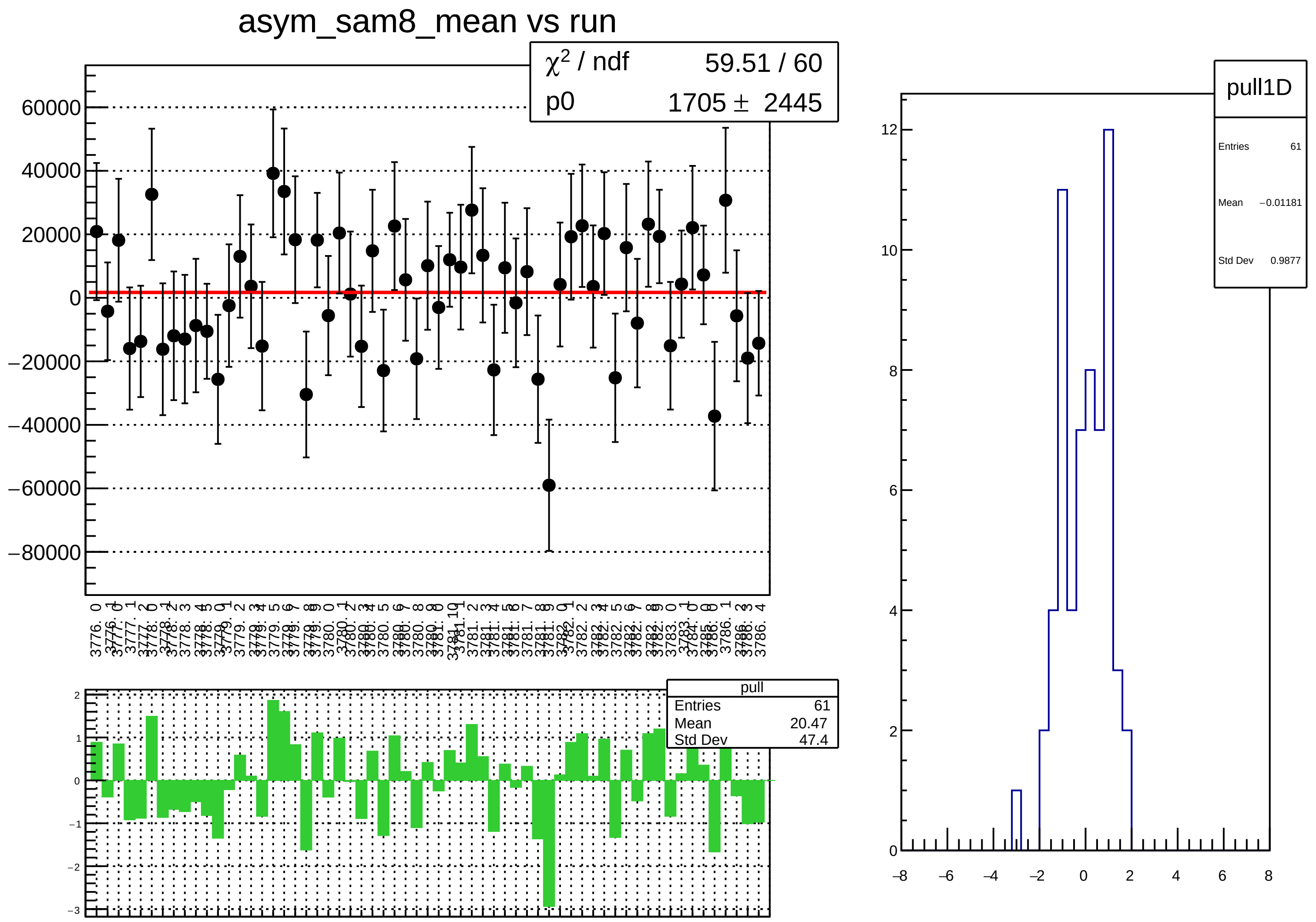

asym_sam6_rms vs run
χ2 / ndf 7811 / 60
p0 2810 ± 2.558
5000
4500
4000
3500
3000
2500



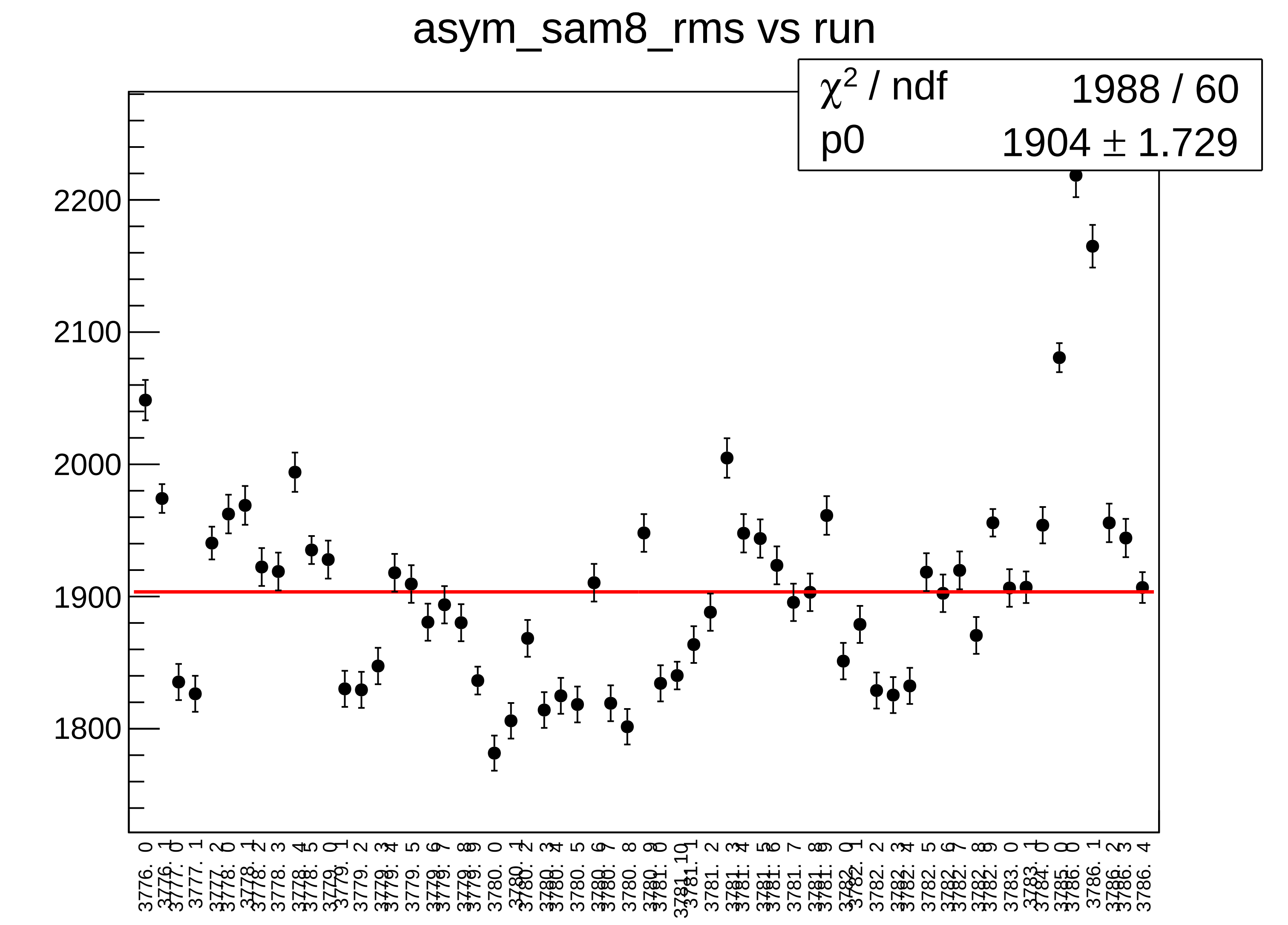
asym_sam7_mean vs run
χ^2 / ndf 50.28 / 60
p0 −2290 ± 2468
pull
Entries 61
Mean 29.59
Std Dev 62.45
pull1D
Entries 61
Mean −0.008069
Std Dev 0.9079

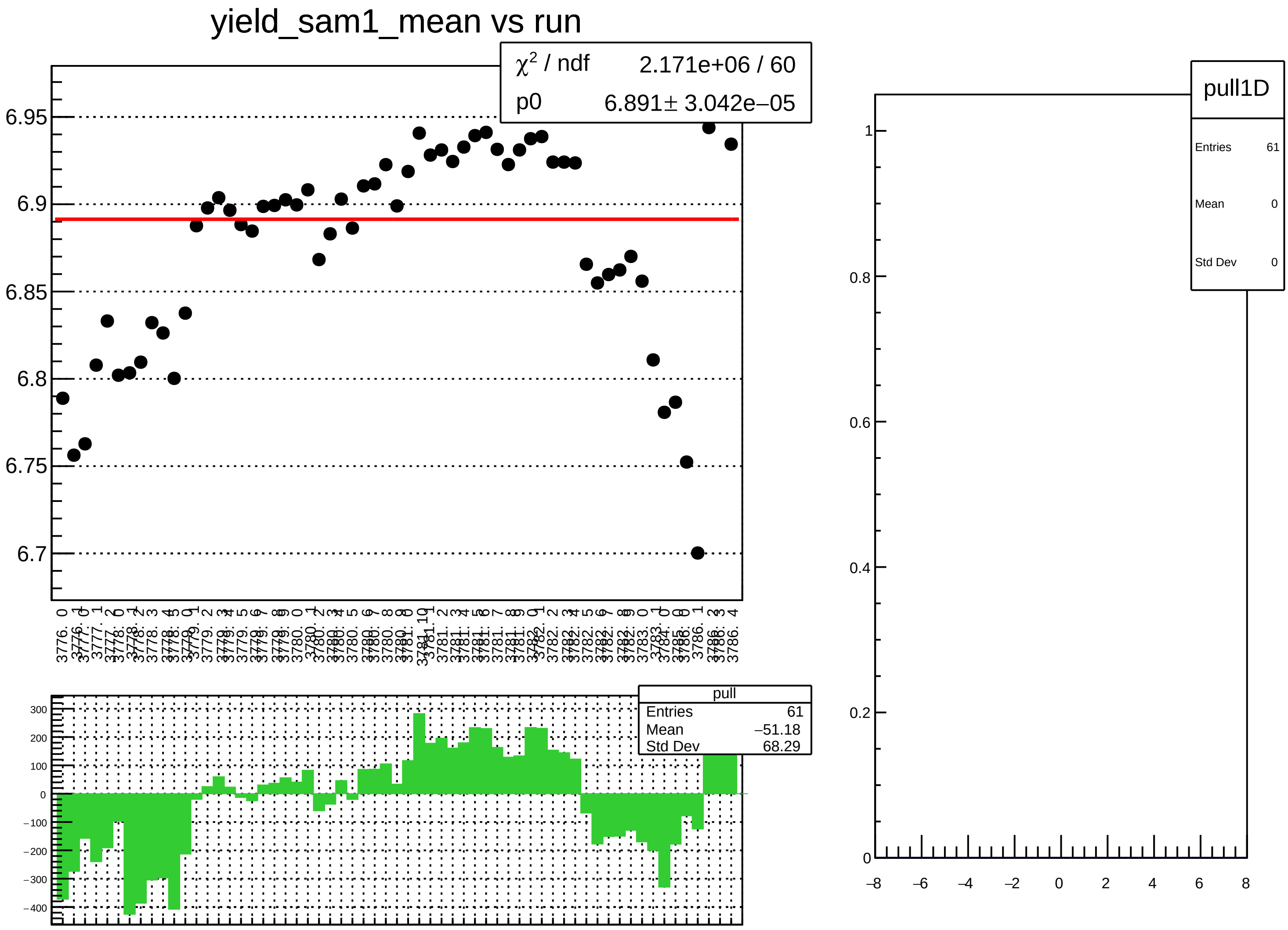


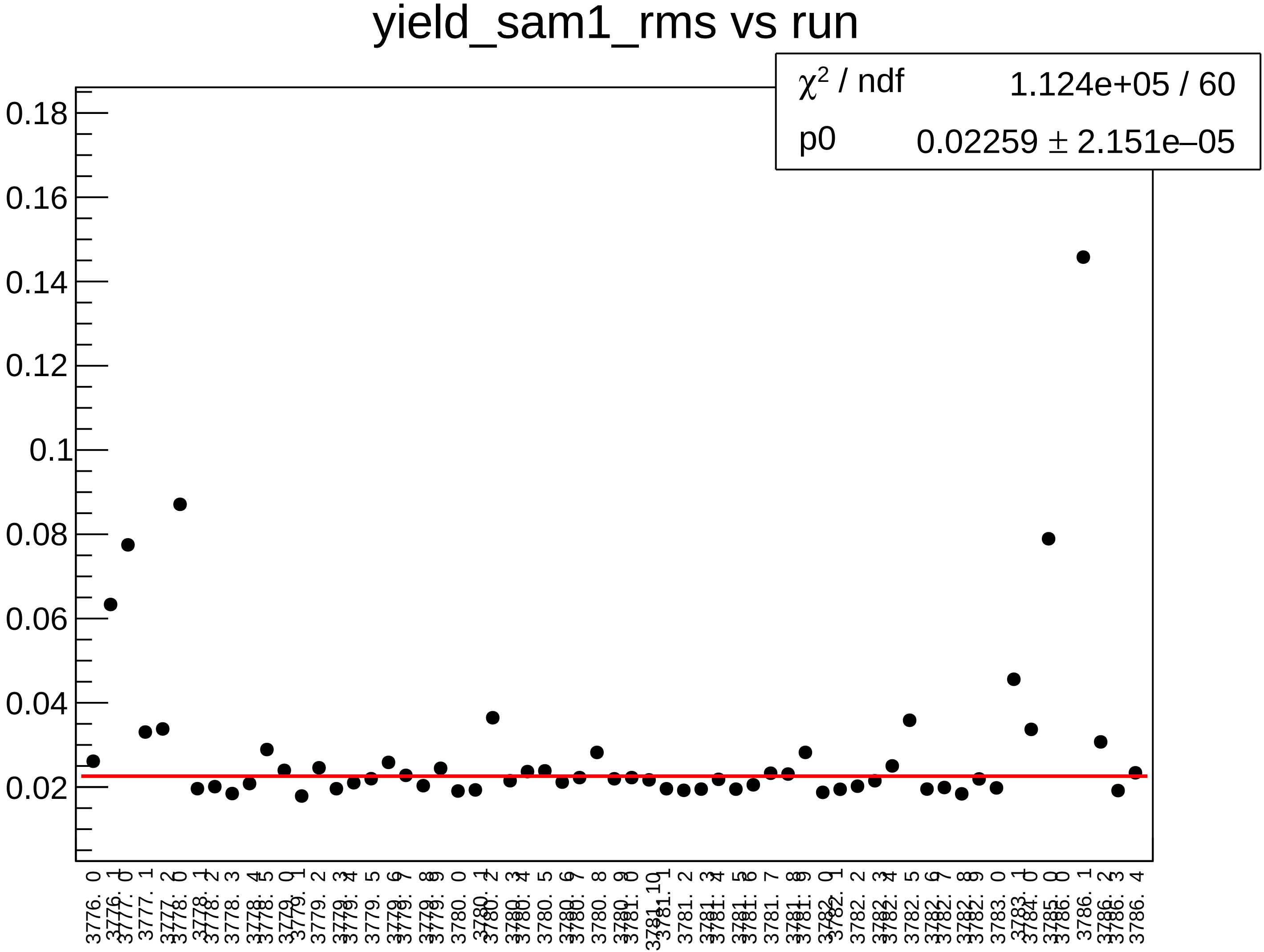
asym_sam7_rms vs run
χ^2 / ndf 2688 / 60
p0 1922 ± 1.745
2300
2200
2100
2000
1900
1800

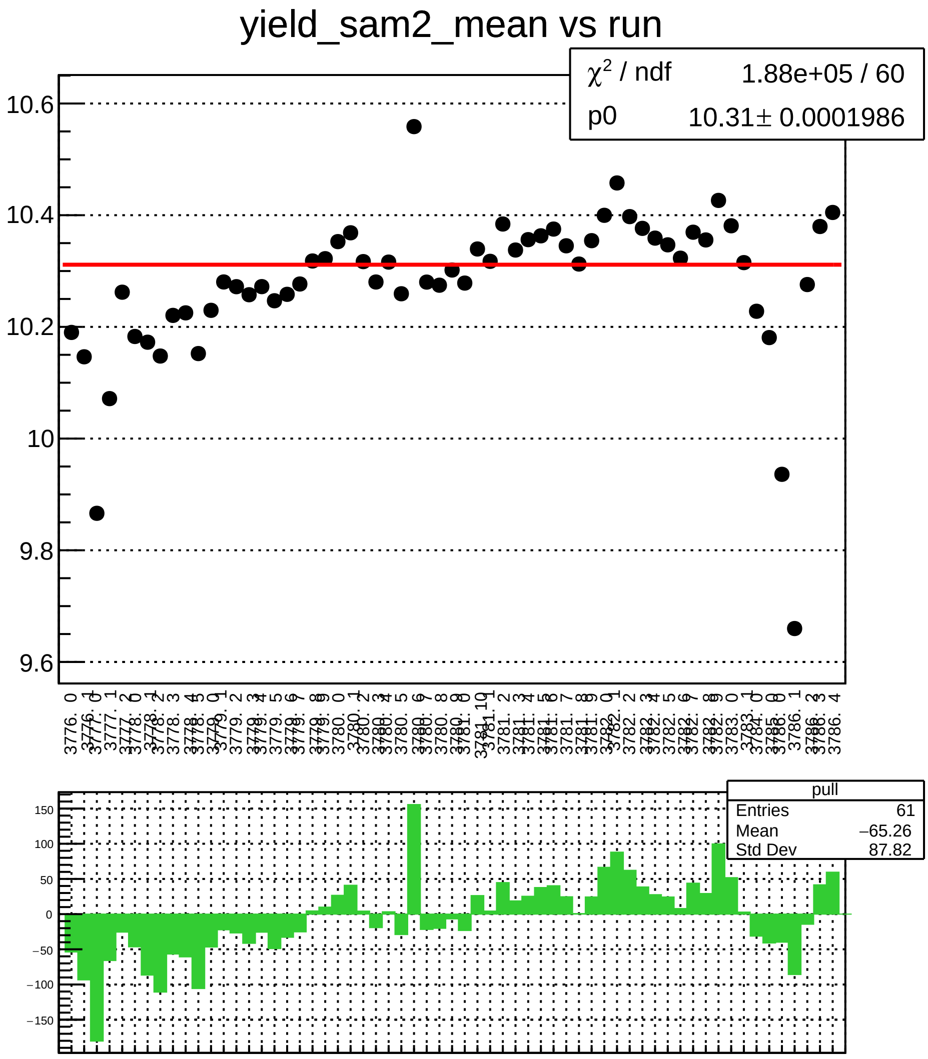


asym_sam8_mean vs run
χ^2 / ndf 59.51 / 60
p0 1705 ± 2445
pull
Entries 61
Mean 20.47
Std Dev 47.4
pull1D
Entries 61
Mean −0.01181
Std Dev 0.9877

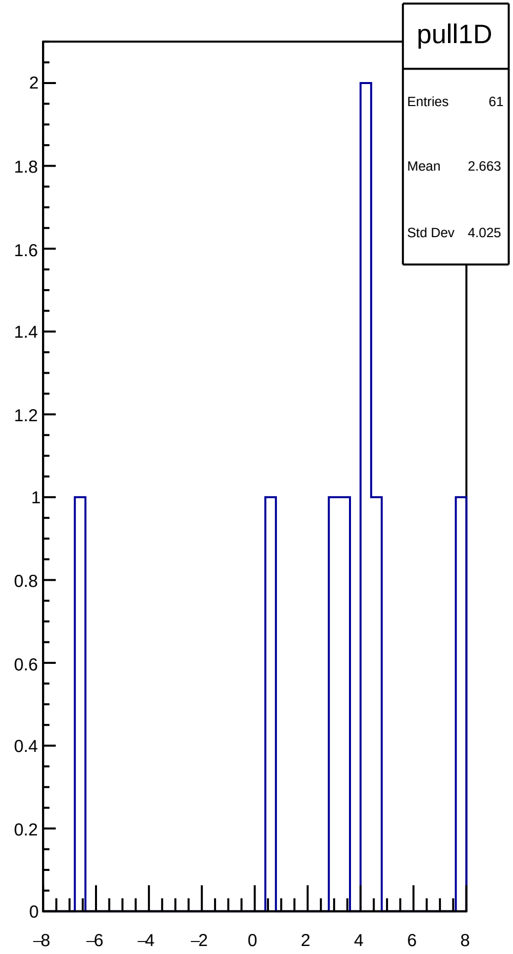

asym_sam8_rms vs run
χ² / ndf 1988 / 60
p0 1904 ± 1.729
2200
2100
2000
1900
1800


yield_sam1_mean vs run
χ^2 / ndf 2.171e+06 / 60
p0 6.891± 3.042e−05
6.95
6.9
6.85
6.8
6.75
6.7
pull
Entries 61
Mean −51.18
Std Dev 68.29
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 61
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

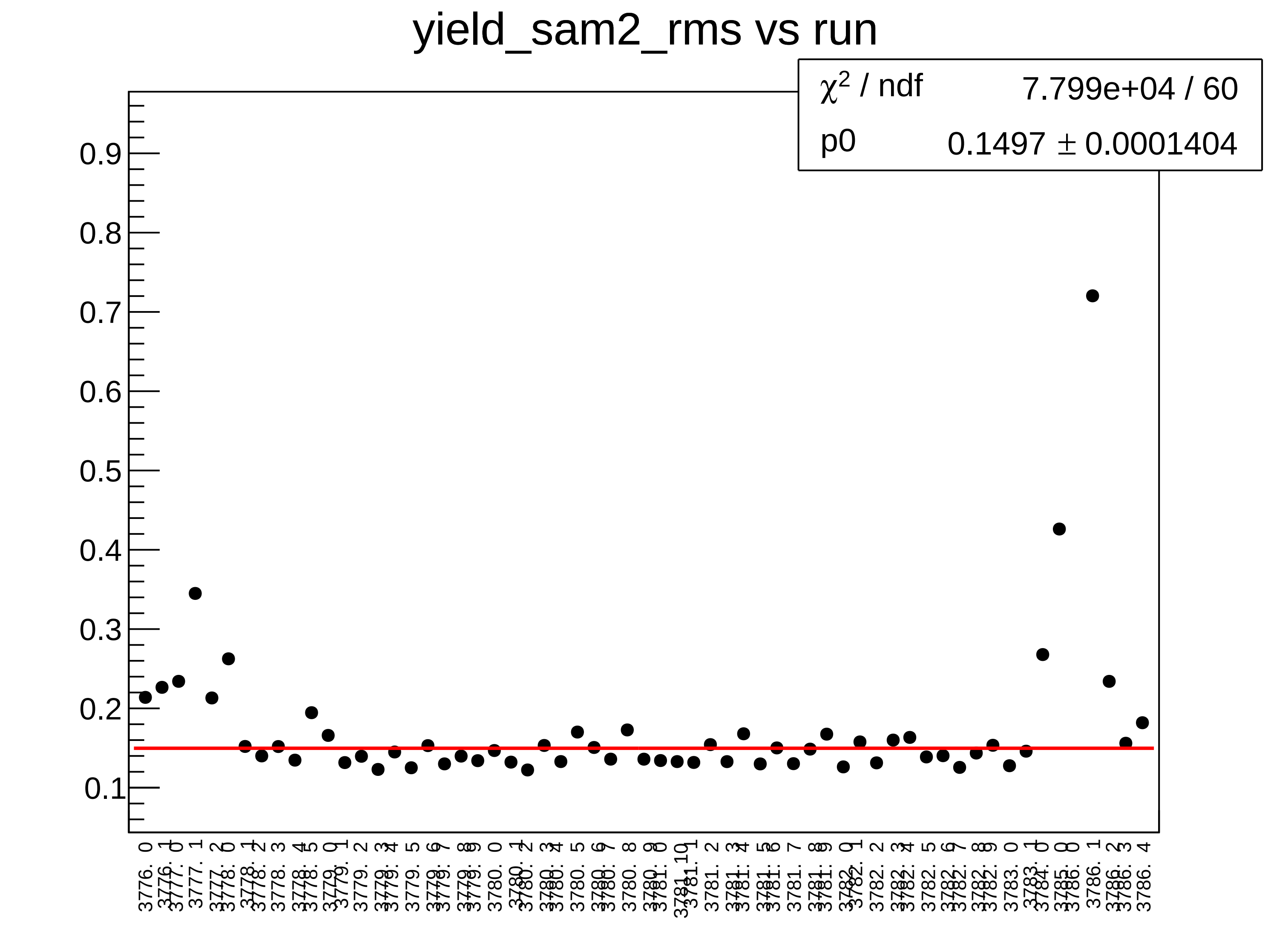

yield_sam1_rms vs run
χ2 / ndf 1.124e+05 / 60
p0 0.02259 ± 2.151e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

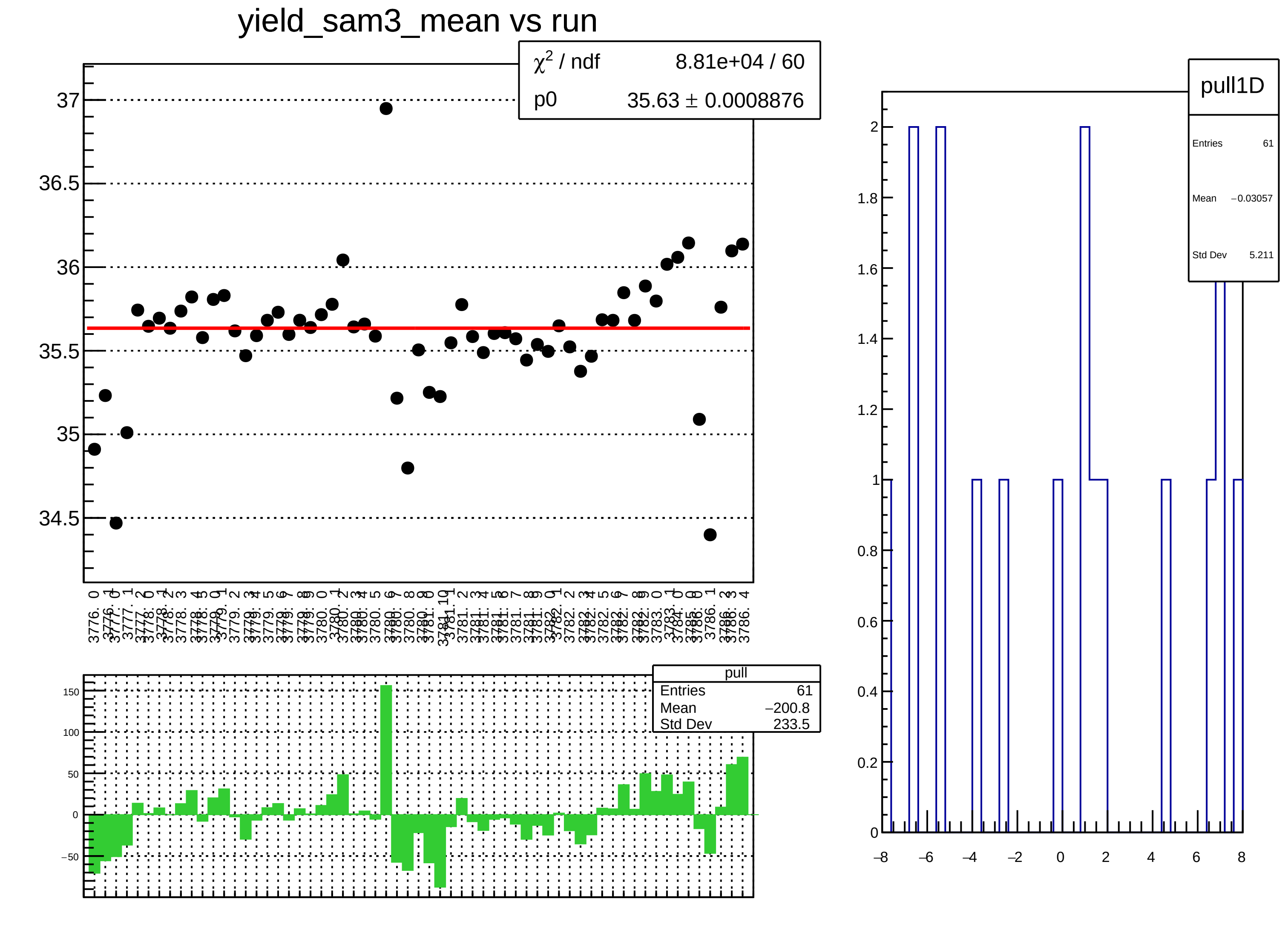


yield_sam2_mean vs run
χ^2 / ndf 1.88e+05 / 60
p0 10.31± 0.0001986
pull
Entries 61
Mean −65.26
Std Dev 87.82

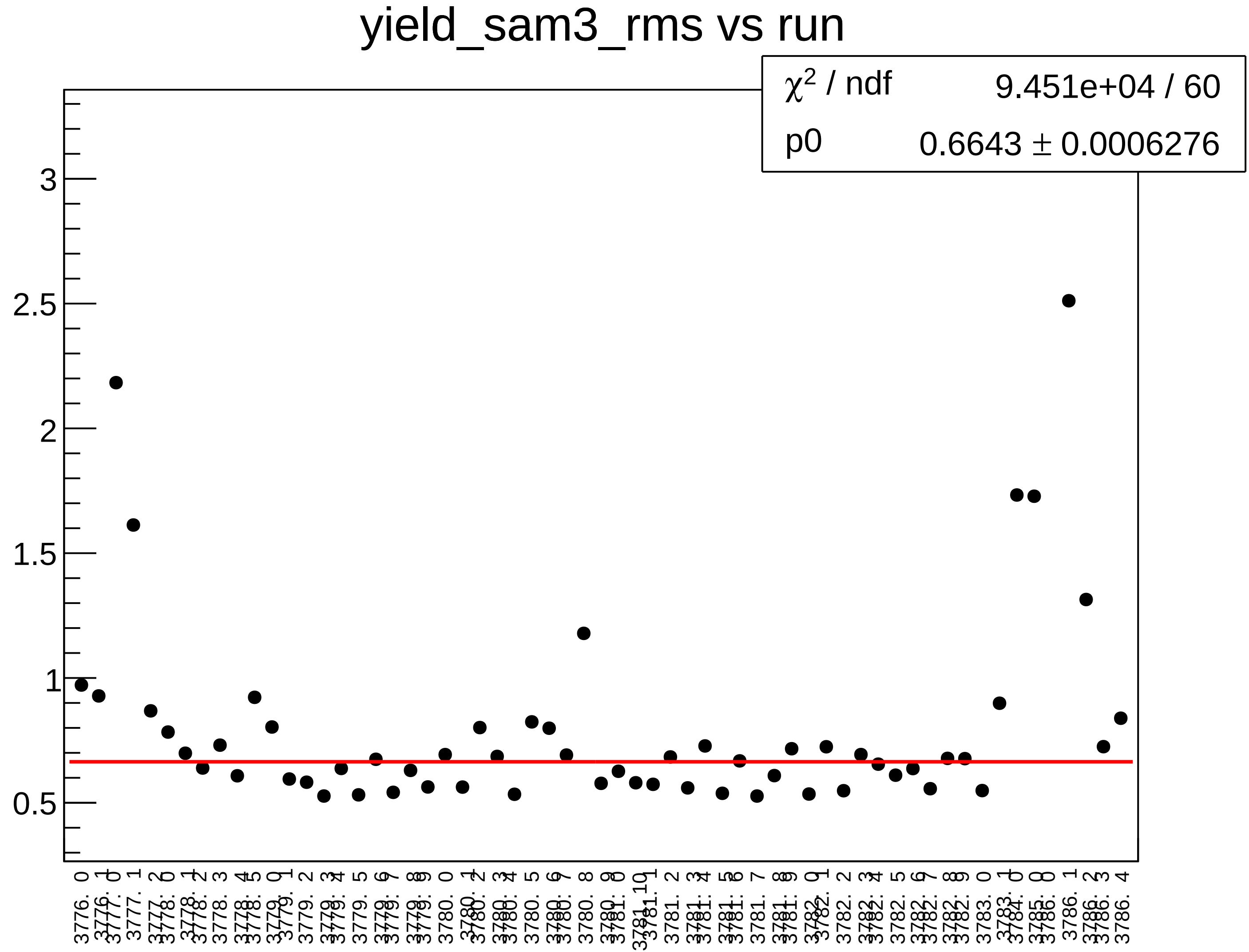


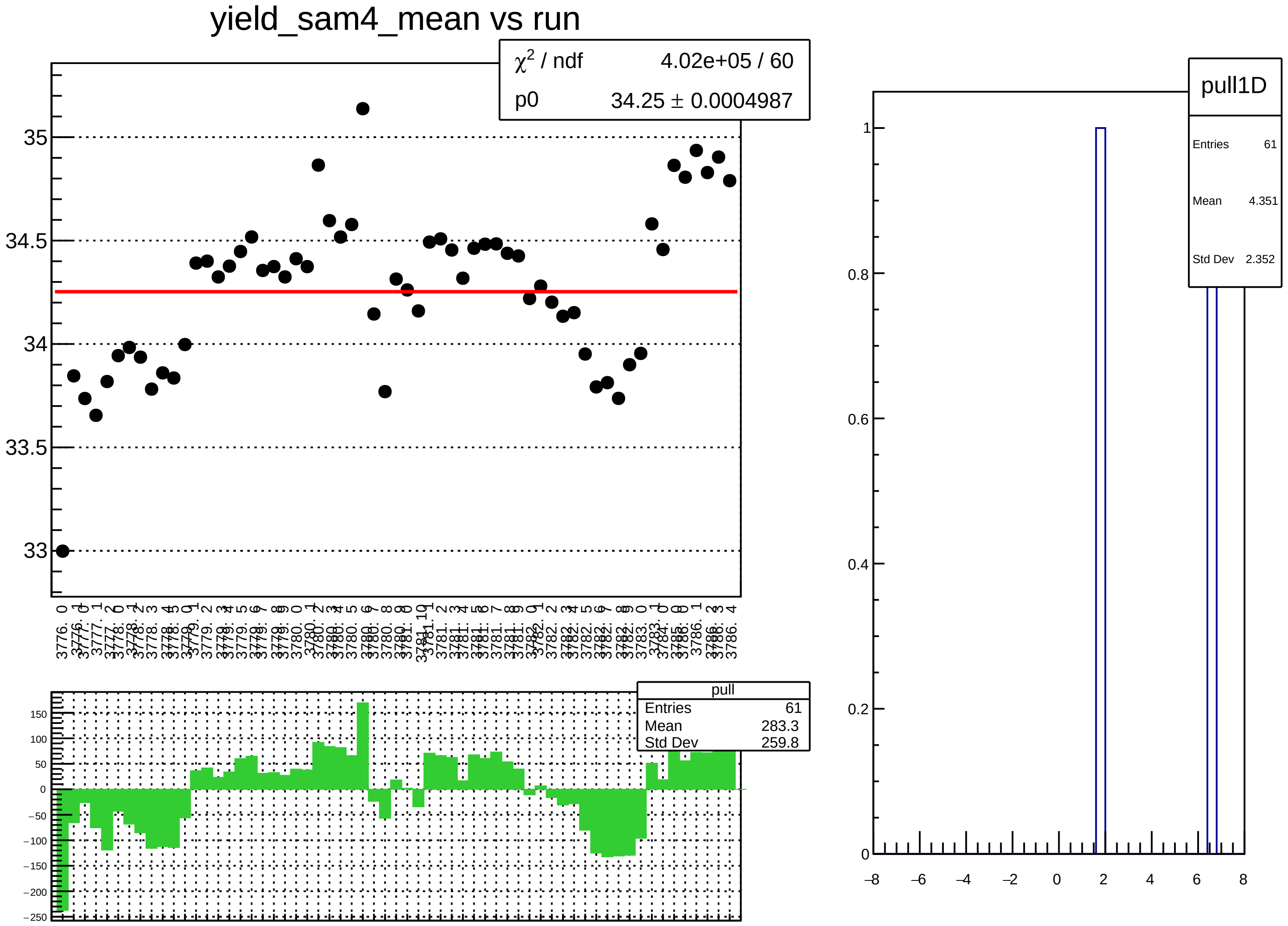
pull1D
Entries 61
Mean 2.663
Std Dev 4.025


yield_sam2_rms vs run
χ2 / ndf 7.799e+04 / 60
p0 0.1497 ± 0.0001404
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9

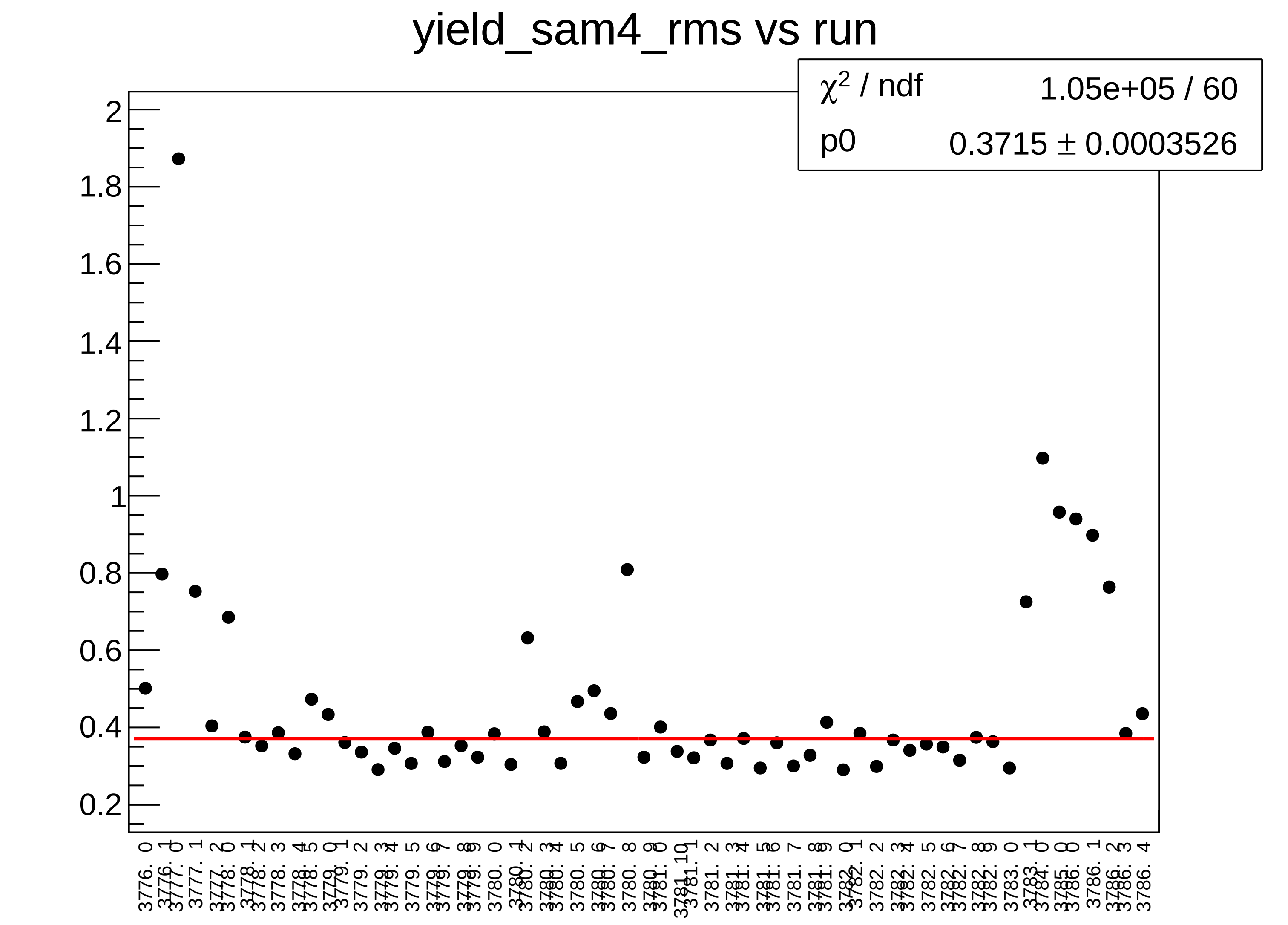


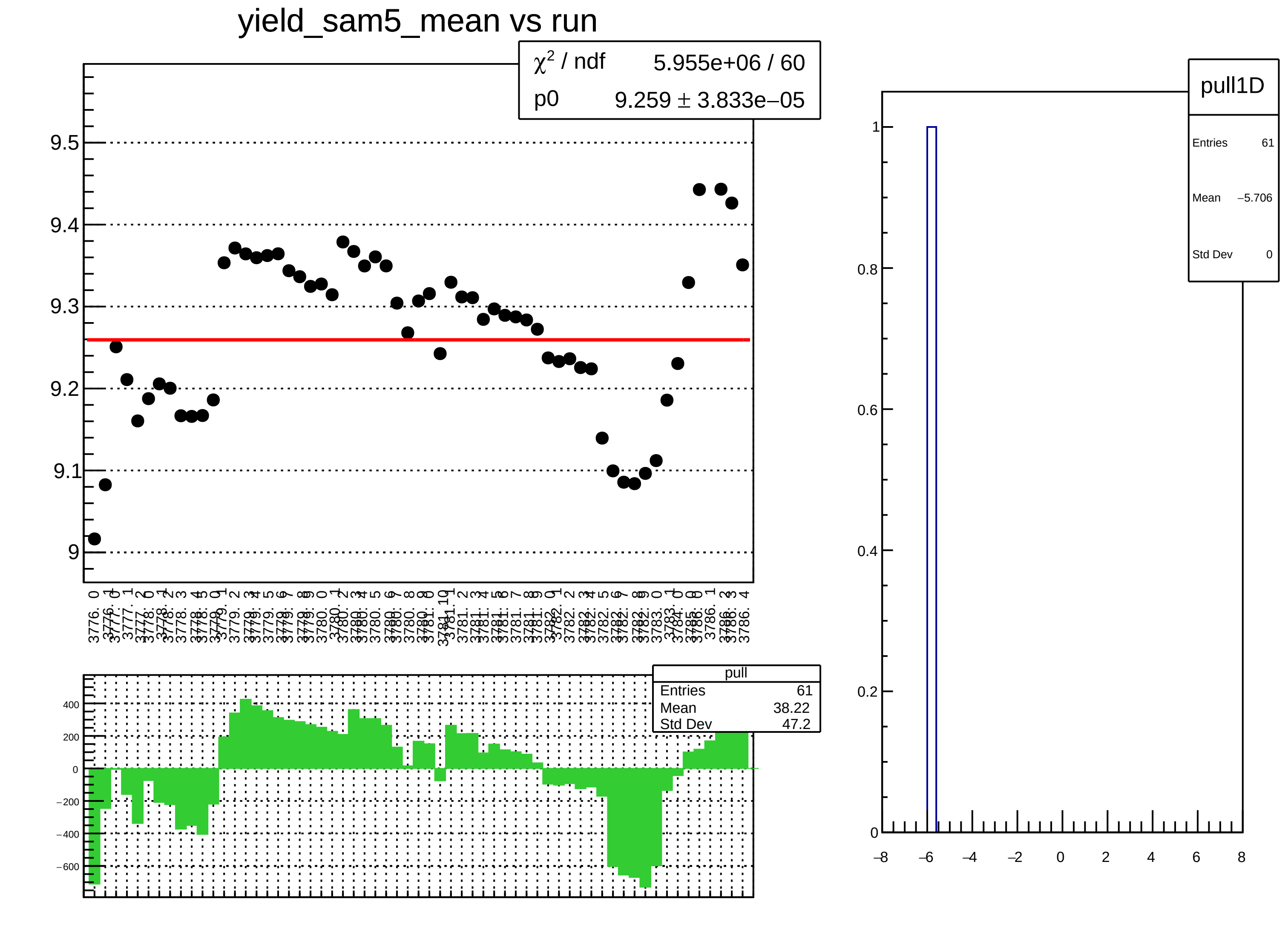
yield_sam3_mean vs run
χ^2 / ndf 8.81e+04 / 60
p0 35.63 ± 0.0008876
pull
Entries 61
Mean −200.8
Std Dev 233.5
pull1D
Entries 61
Mean −0.03057
Std Dev 5.211


yield_sam3_rms vs run
χ^2 / ndf 9.451e+04 / 60
p0 0.6643 ± 0.0006276
3
2.5
2
1.5
1
0.5

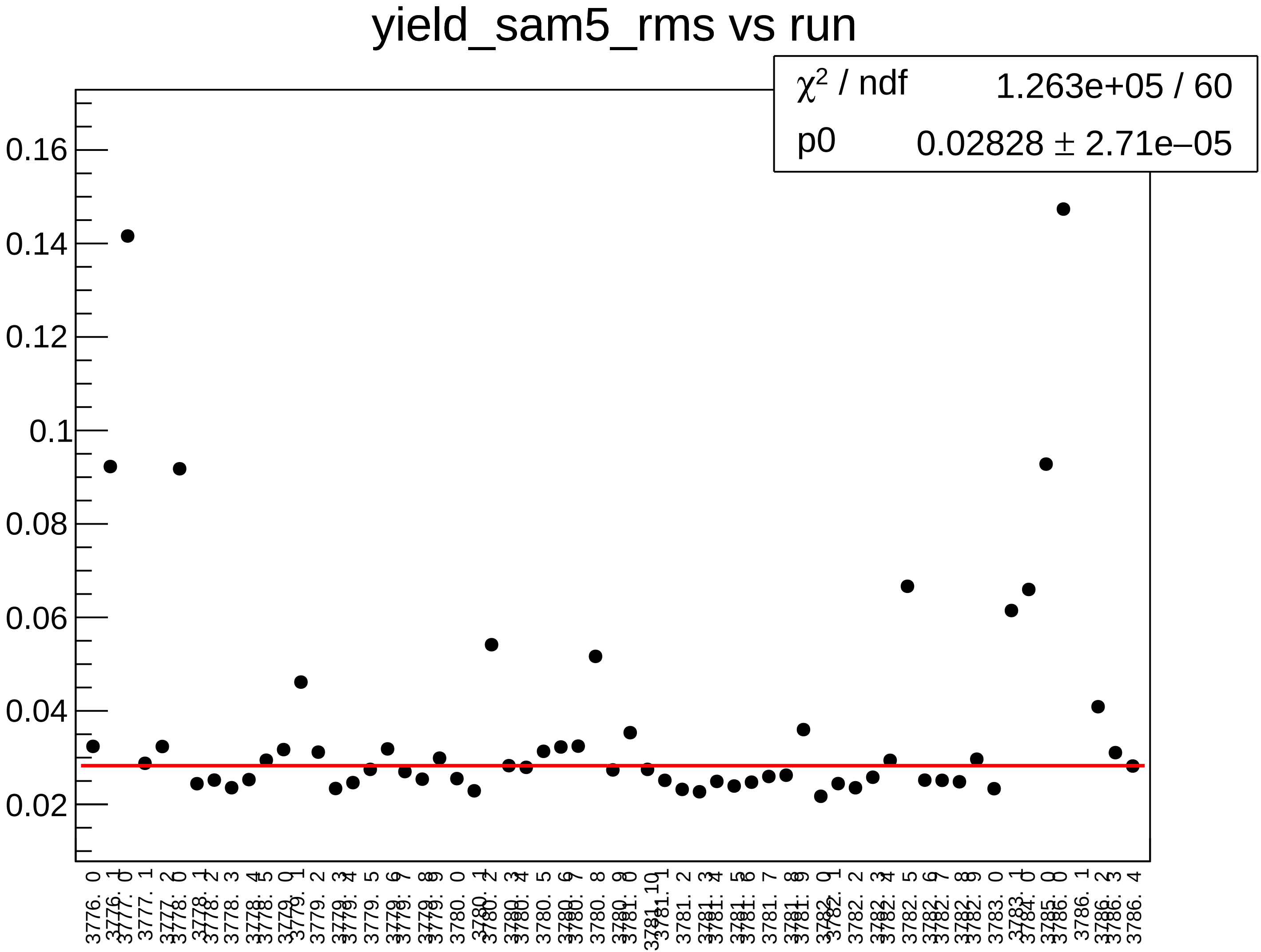


yield_sam4_mean vs run
χ^2 / ndf 4.02e+05 / 60
p0 34.25 ± 0.0004987
pull
Entries 61
Mean 283.3
Std Dev 259.8
pull1D
Entries 61
Mean 4.351
Std Dev 2.352

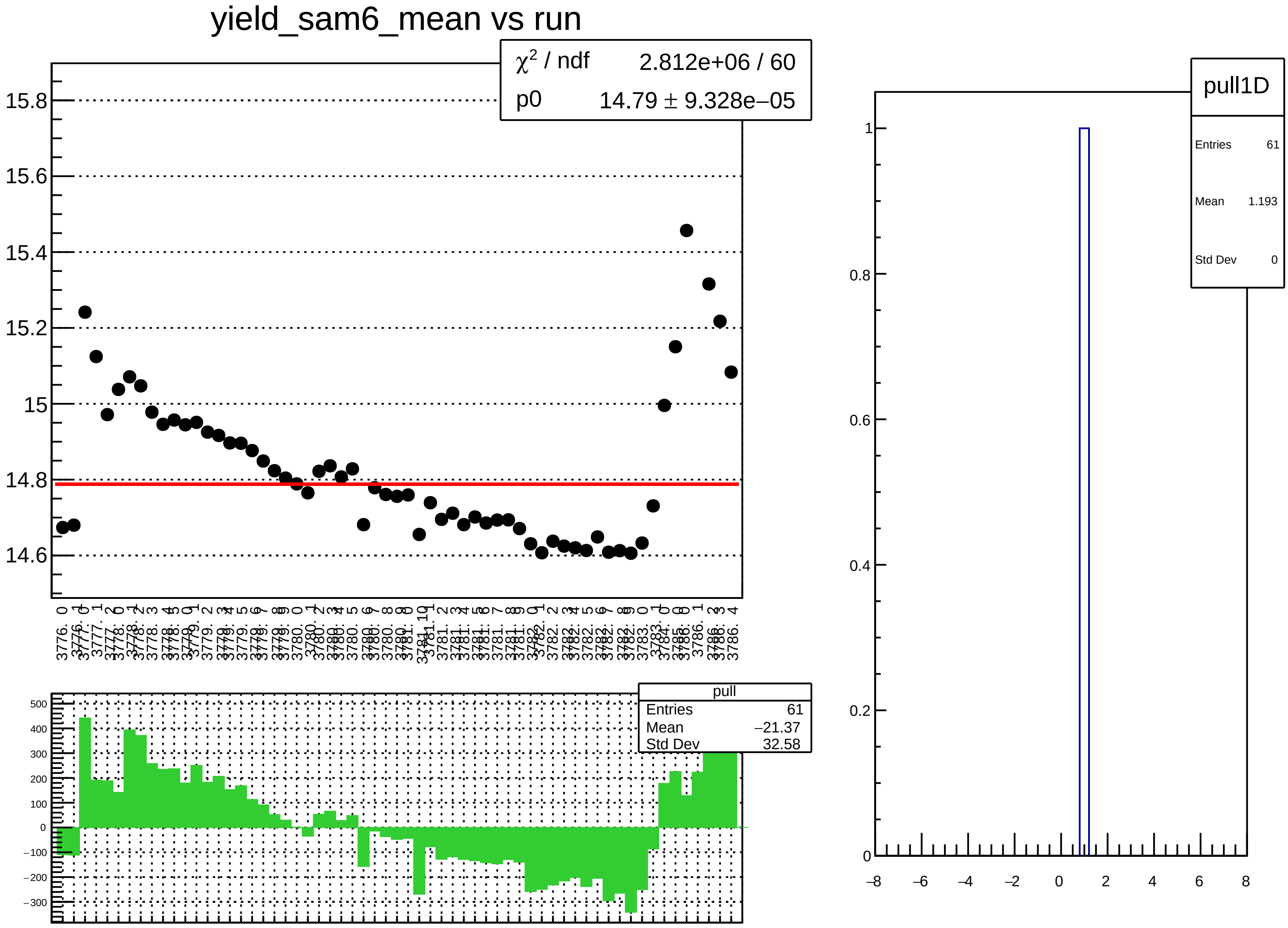

yield_sam4_rms vs run
χ2 / ndf 1.05e+05 / 60
p0 0.3715 ± 0.0003526



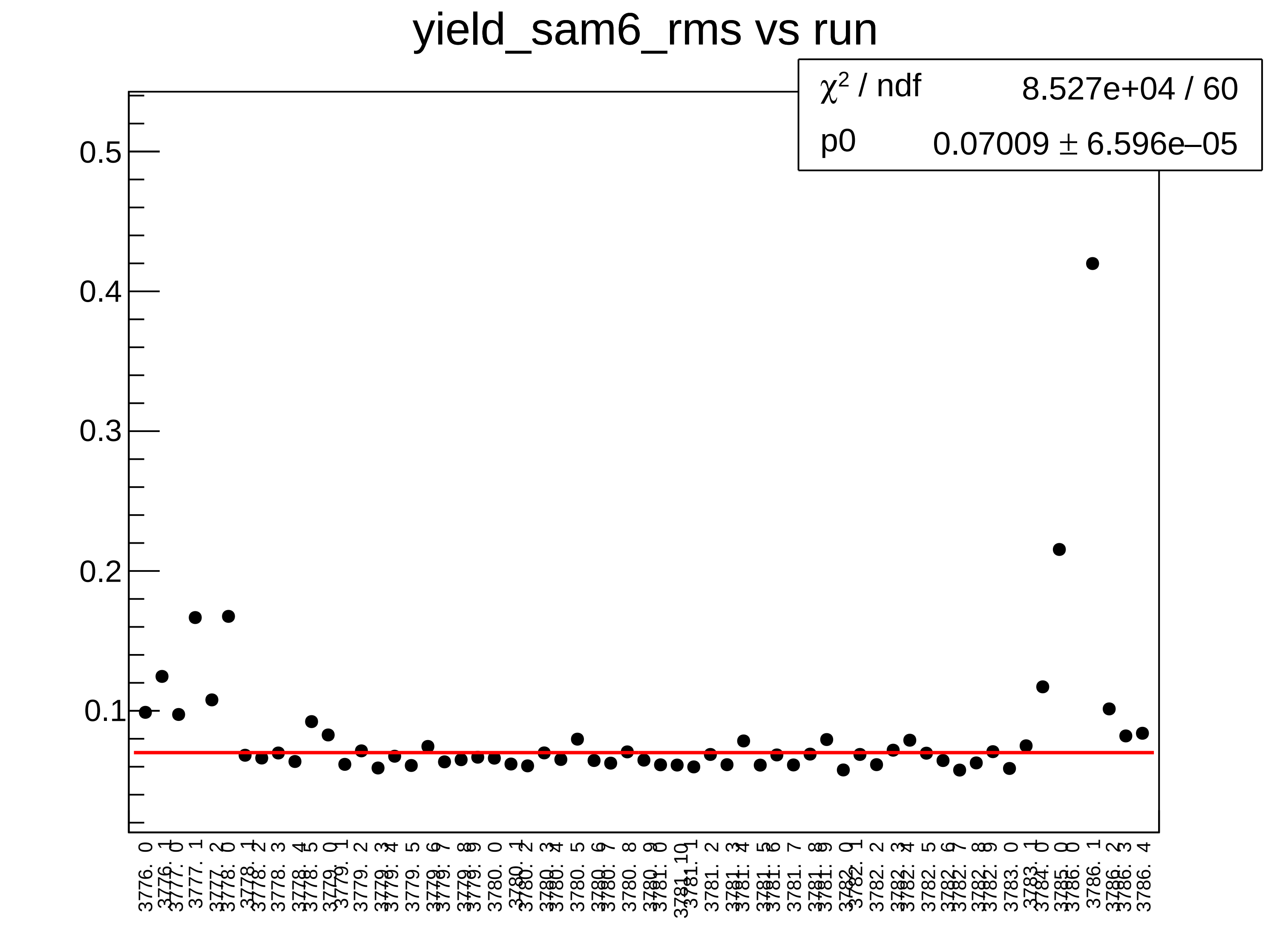
yield_sam5_mean vs run
χ^2 / ndf 5.955e+06 / 60
p0 9.259 ± 3.833e−05
pull
Entries 61
Mean 38.22
Std Dev 47.2
pull1D
Entries 61
Mean −5.706
Std Dev 0



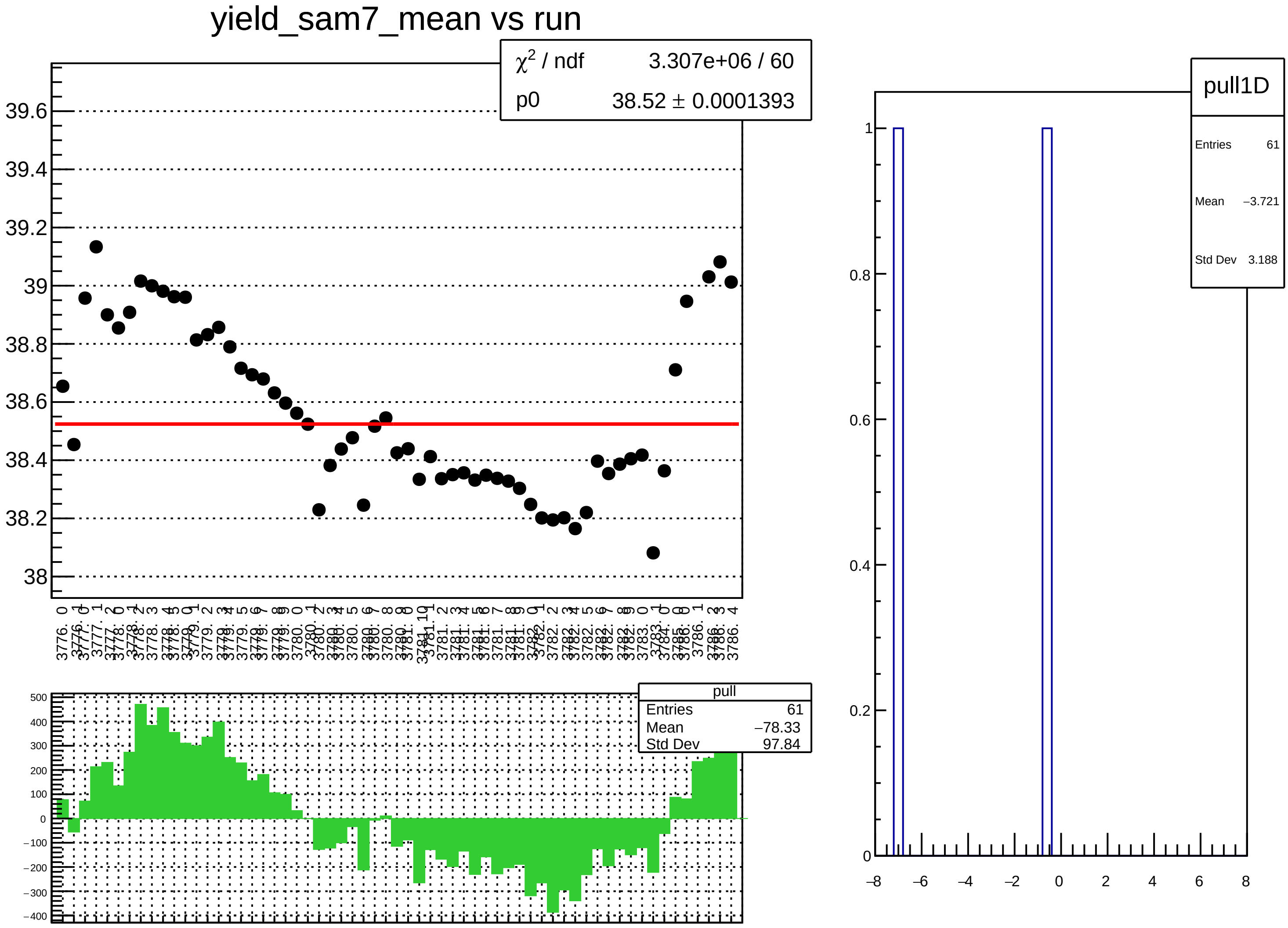
yield_sam5_rms vs run
χ2 / ndf 1.263e+05 / 60
p0 0.02828 ± 2.71e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02



yield_sam6_mean vs run
χ² / ndf 2.812e+06 / 60
p0 14.79 ± 9.328e−05
pull
Entries 61
Mean −21.37
Std Dev 32.58
pull1D
Entries 61
Mean 1.193
Std Dev 0

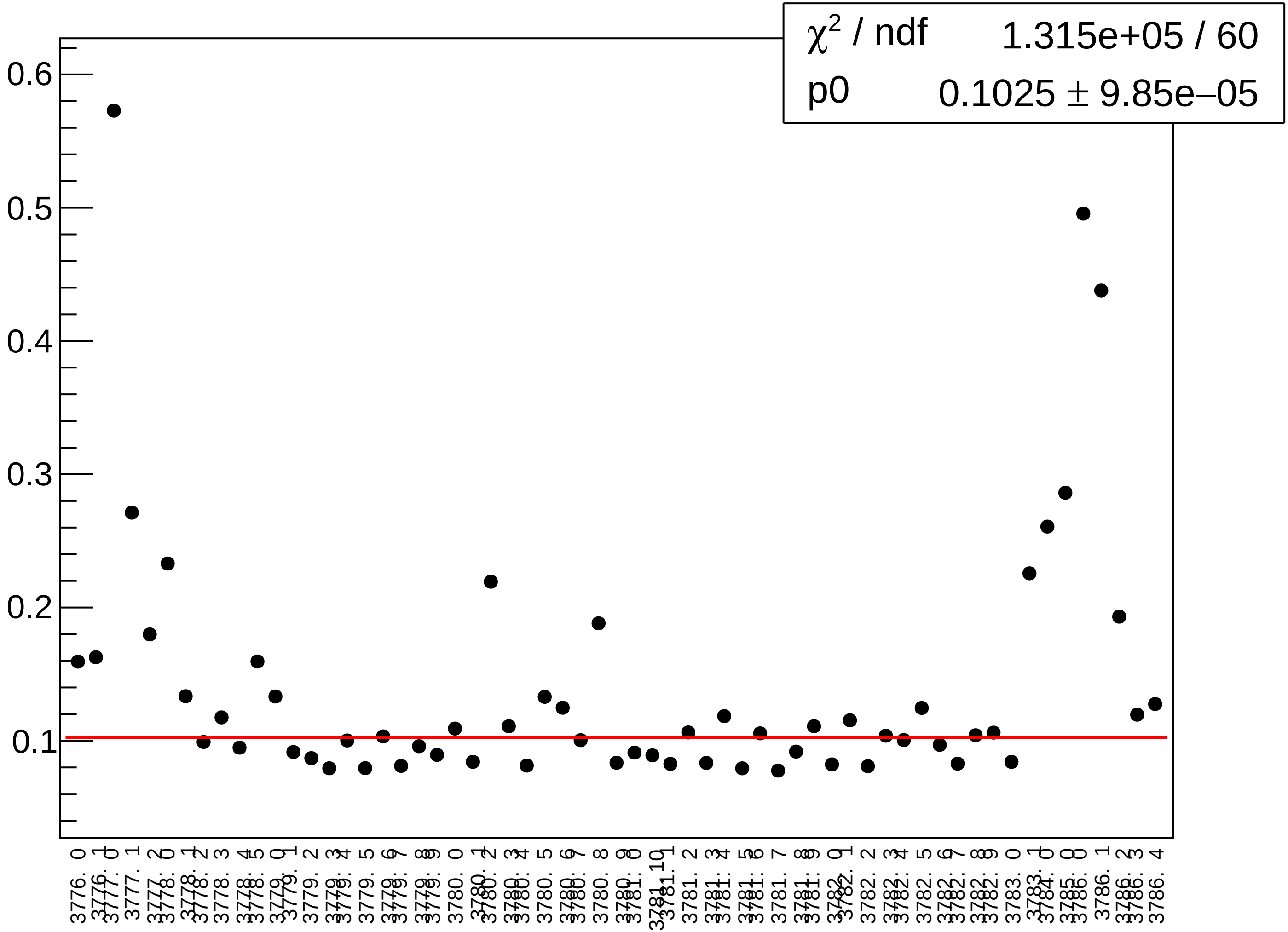


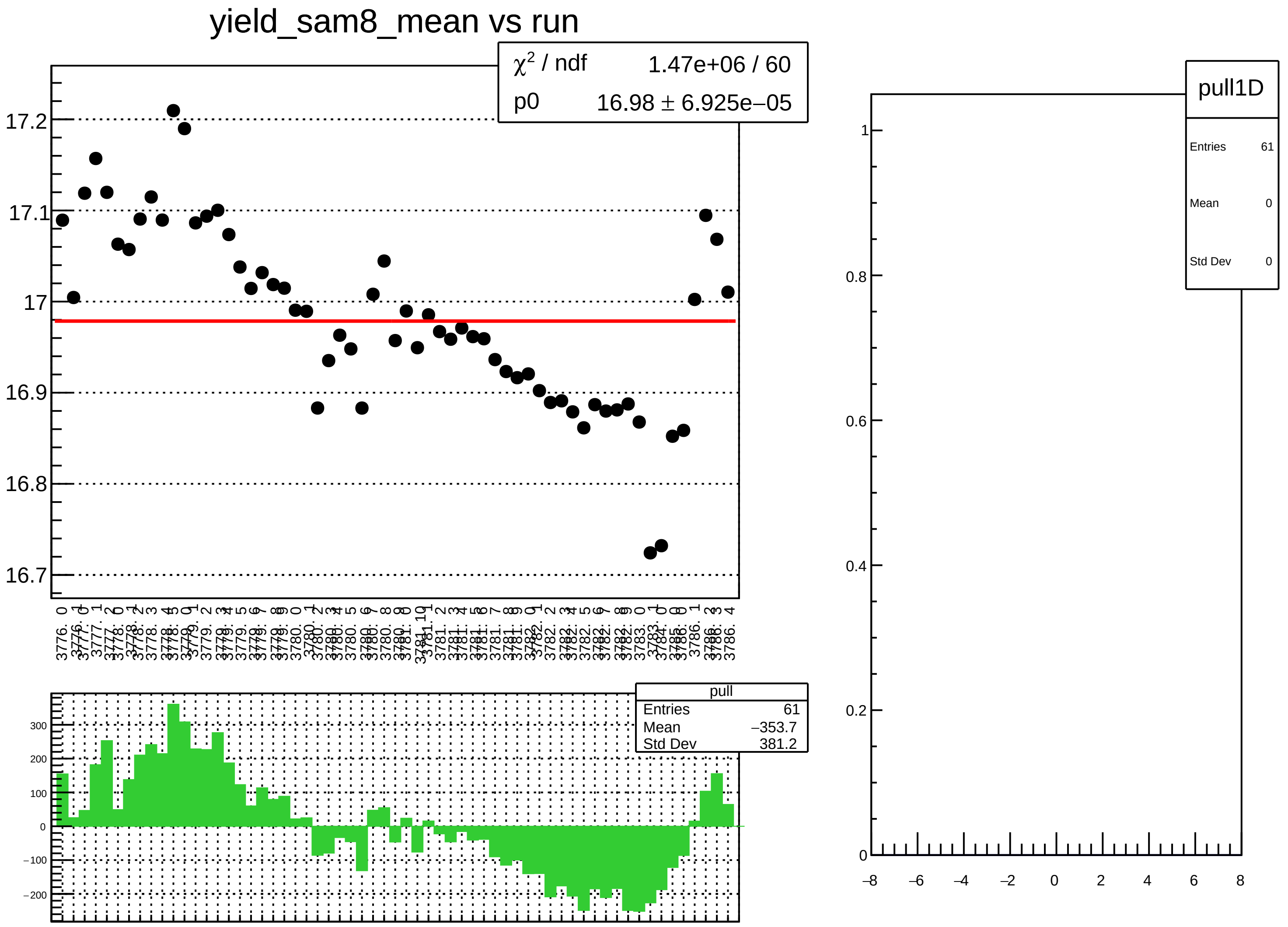
yield_sam6_rms vs run
χ2 / ndf 8.527e+04 / 60
p0 0.07009 ± 6.596e−05
0.5
0.4
0.3
0.2
0.1



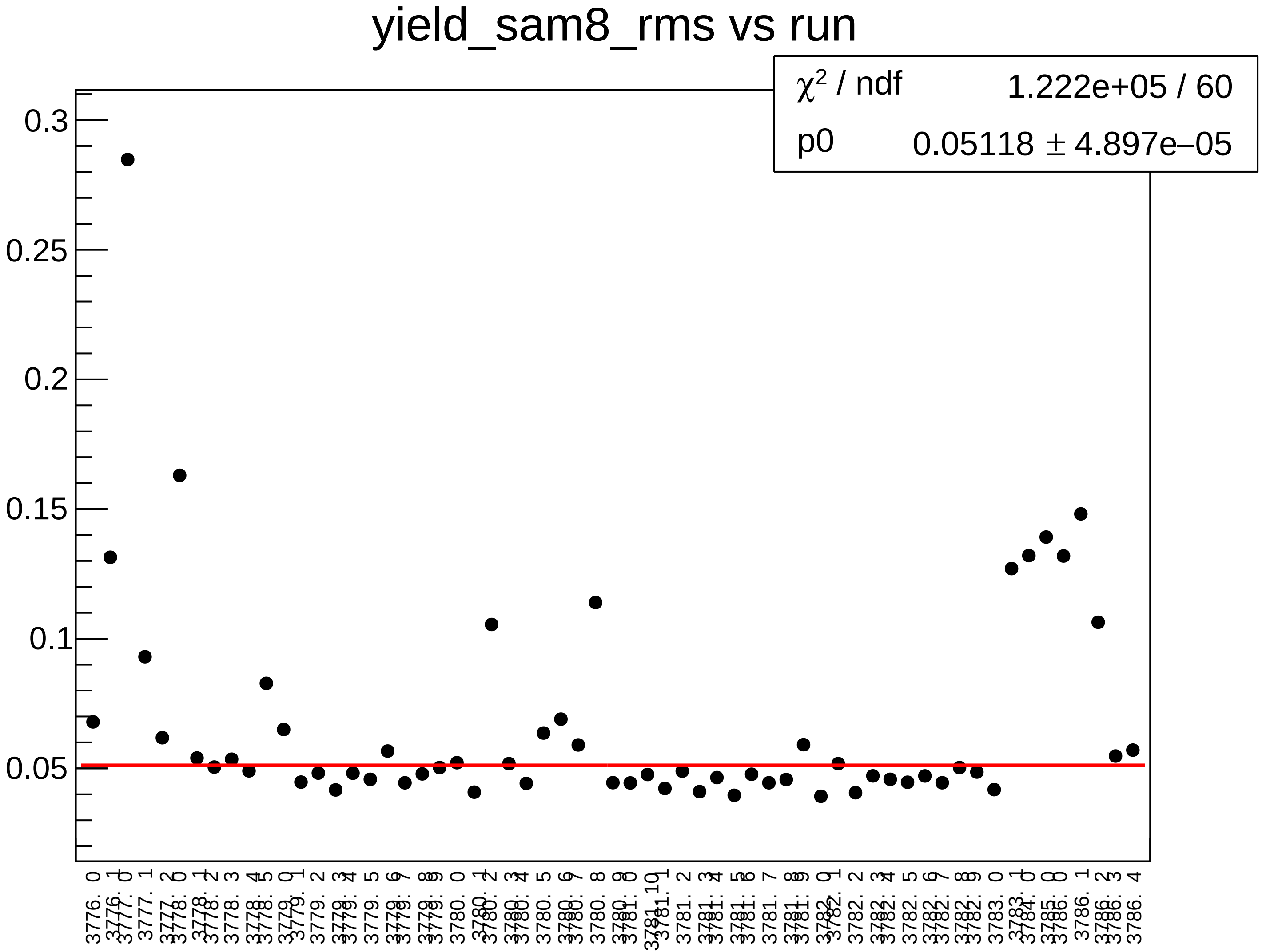
yield_sam7_mean vs run
χ² / ndf 3.307e+06 / 60
p0 38.52 ± 0.0001393
pull
Entries 61
Mean −78.33
Std Dev 97.84
pull1D
Entries 61
Mean −3.721
Std Dev 3.188

yield_sam7_rms vs run

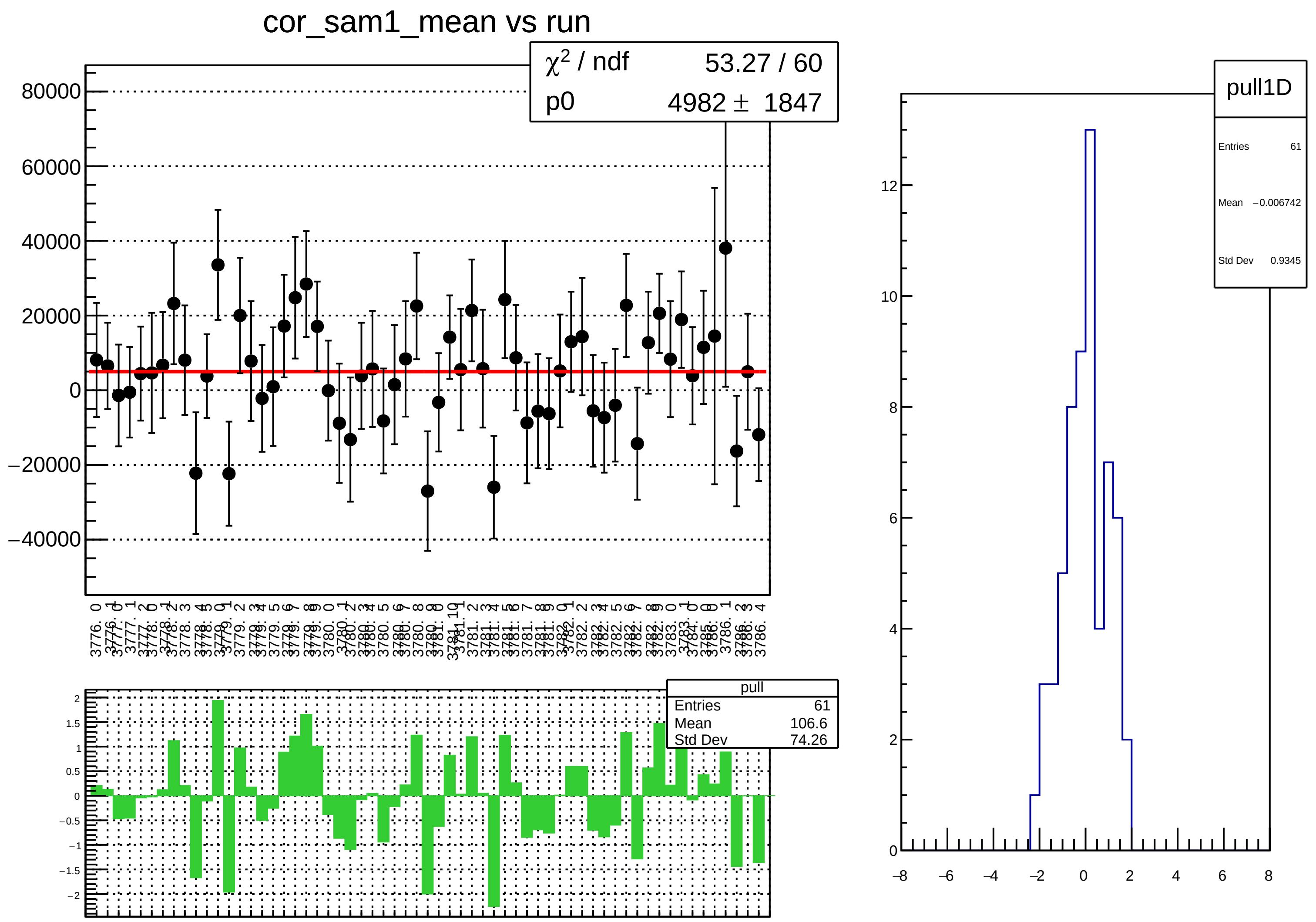




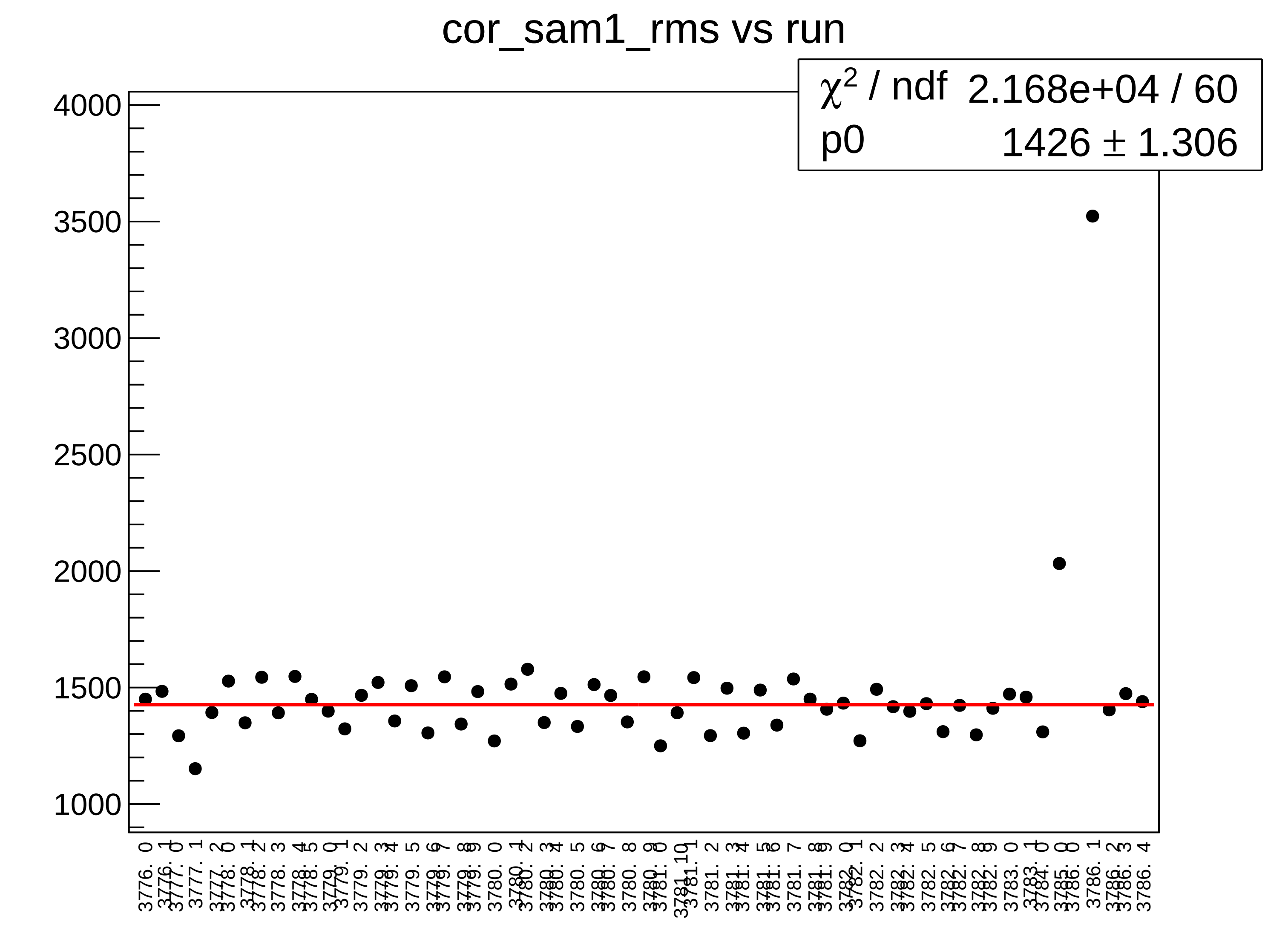
yield_sam8_mean vs run
χ² / ndf 1.47e+06 / 60
p0 16.98 ± 6.925e−05
pull
Entries 61
Mean −353.7
Std Dev 381.2
pull1D
Entries 61
Mean 0
Std Dev 0



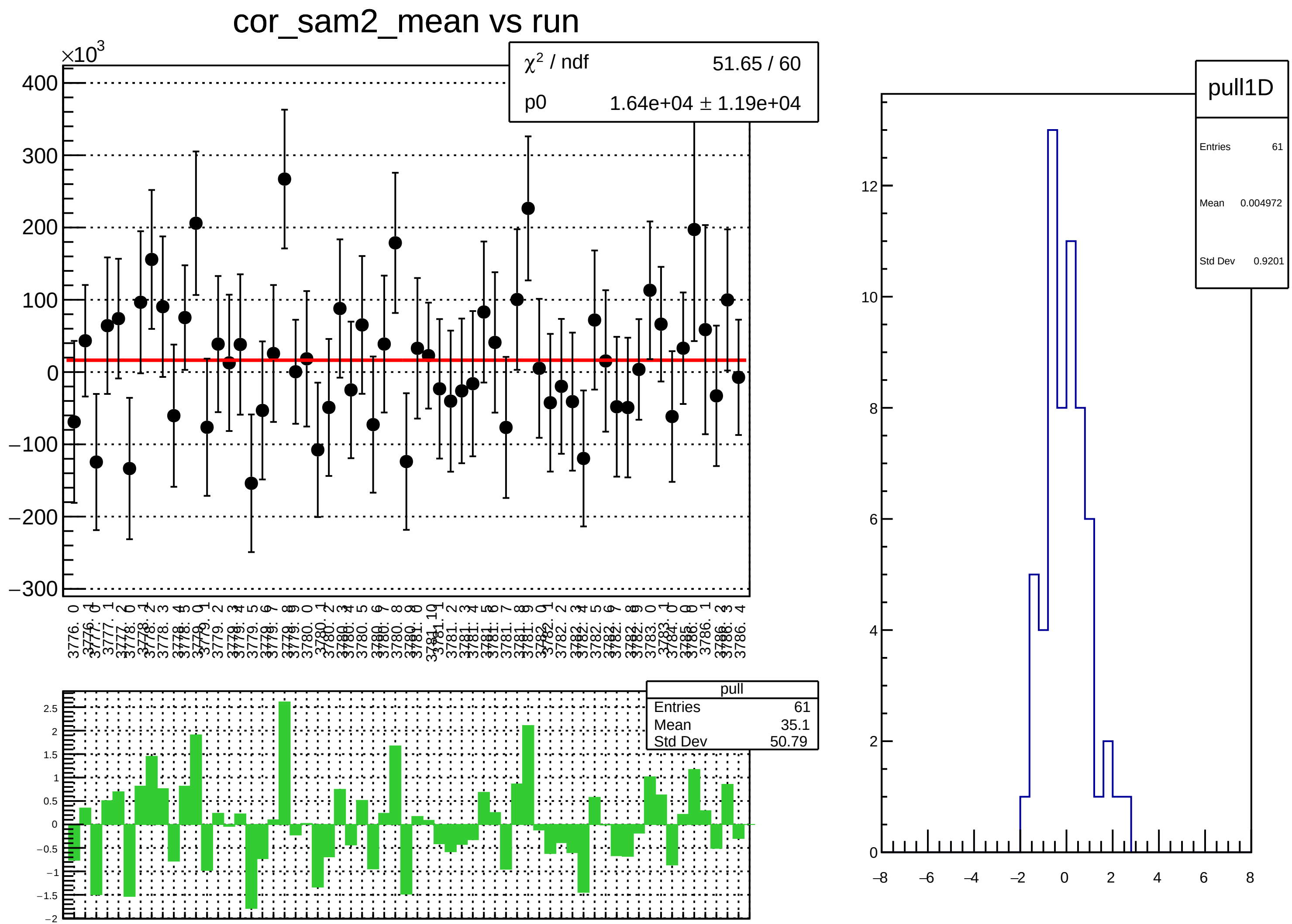
yield_sam8_rms vs run
χ^2 / ndf 1.222e+05 / 60
p0 0.05118 ± 4.897e−05
0.3
0.25
0.2
0.15
0.1
0.05



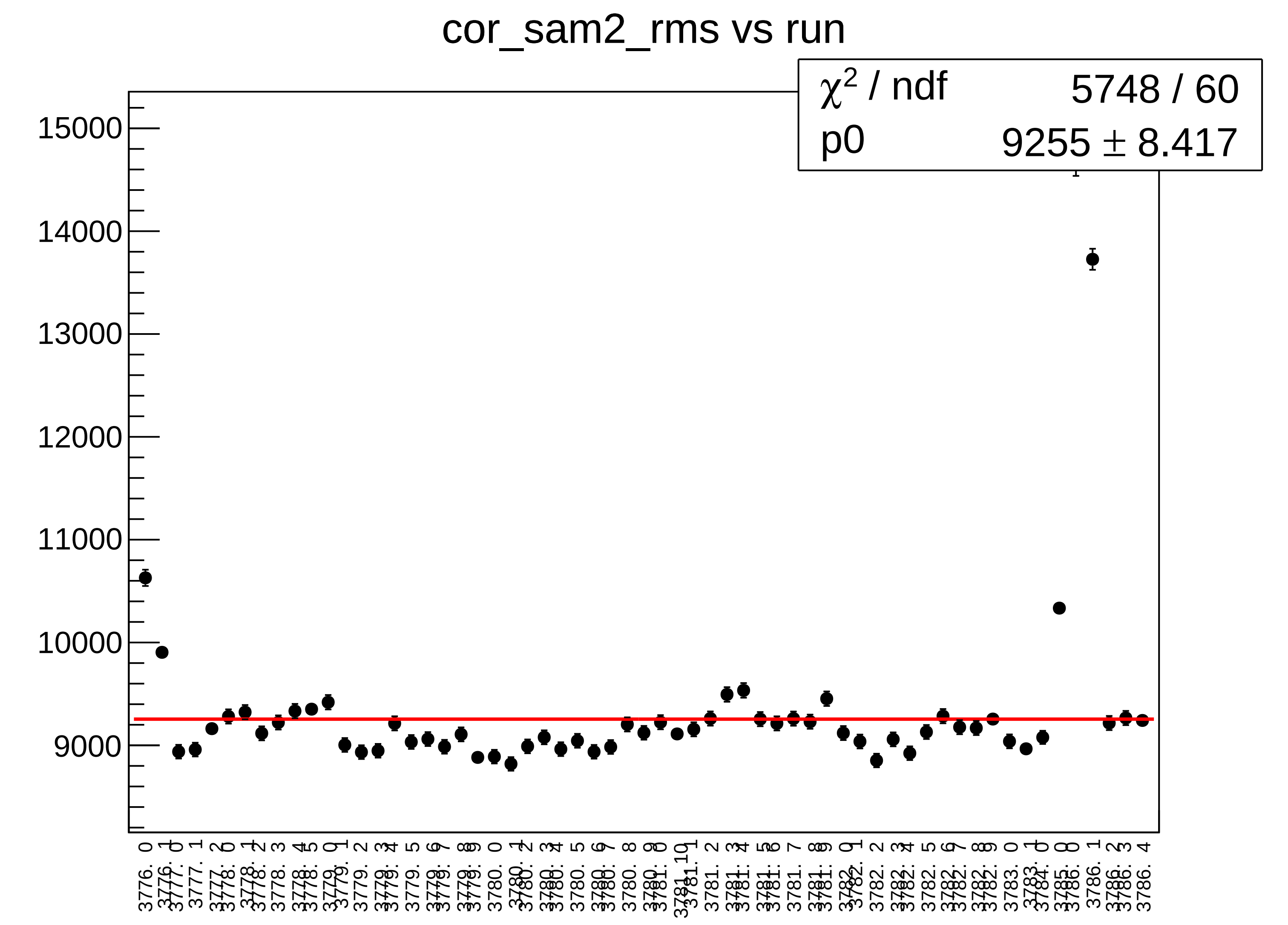
cor_sam1_mean vs run
χ² / ndf 53.27 / 60
p0 4982 ± 1847
pull
Entries 61
Mean 106.6
Std Dev 74.26
pull1D
Entries 61
Mean −0.006742
Std Dev 0.9345



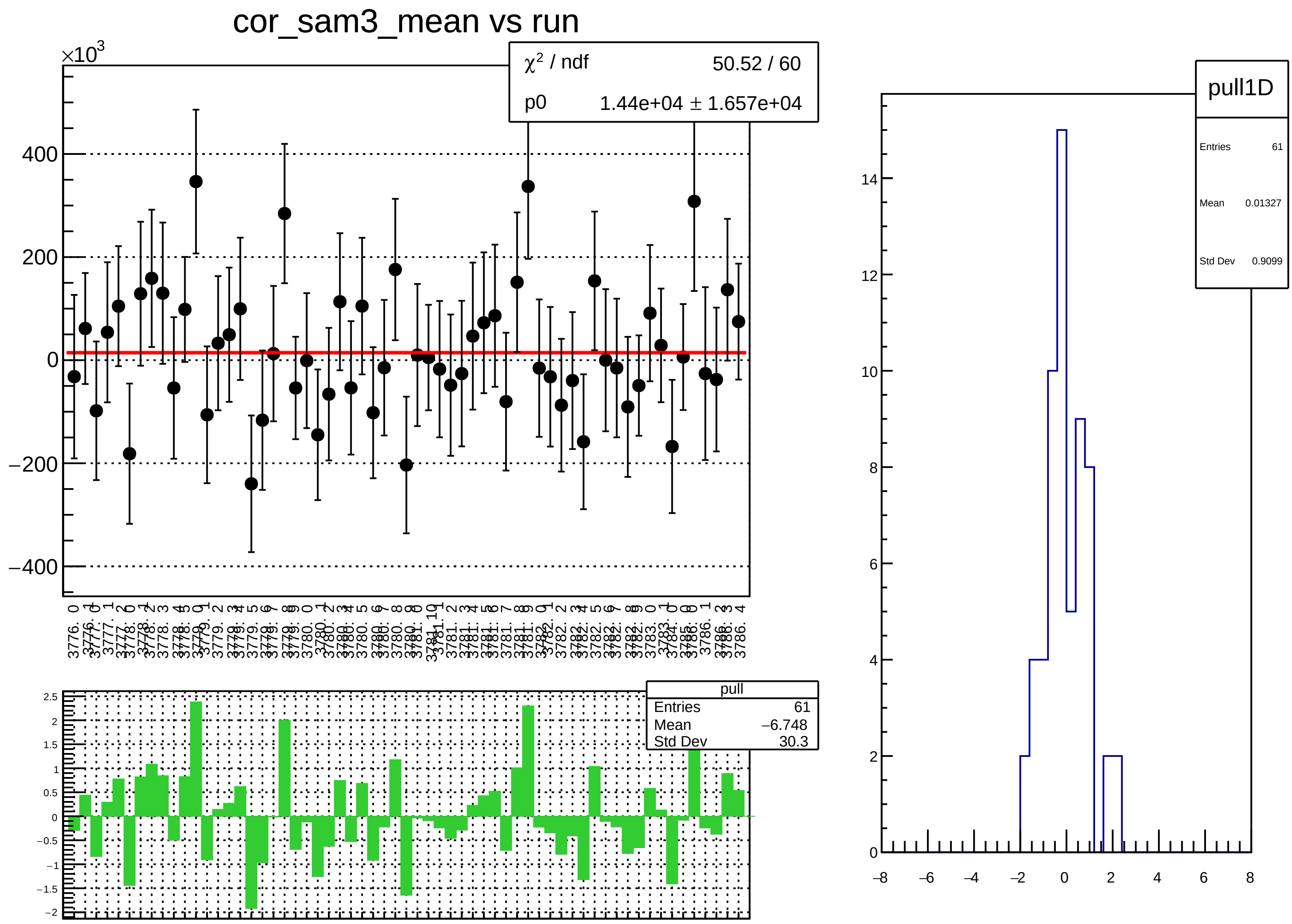
cor_sam1_rms vs run
χ^2 / ndf 2.168e+04 / 60
p0 1426 ± 1.306
4000
3500
3000
2500
2000
1500
1000

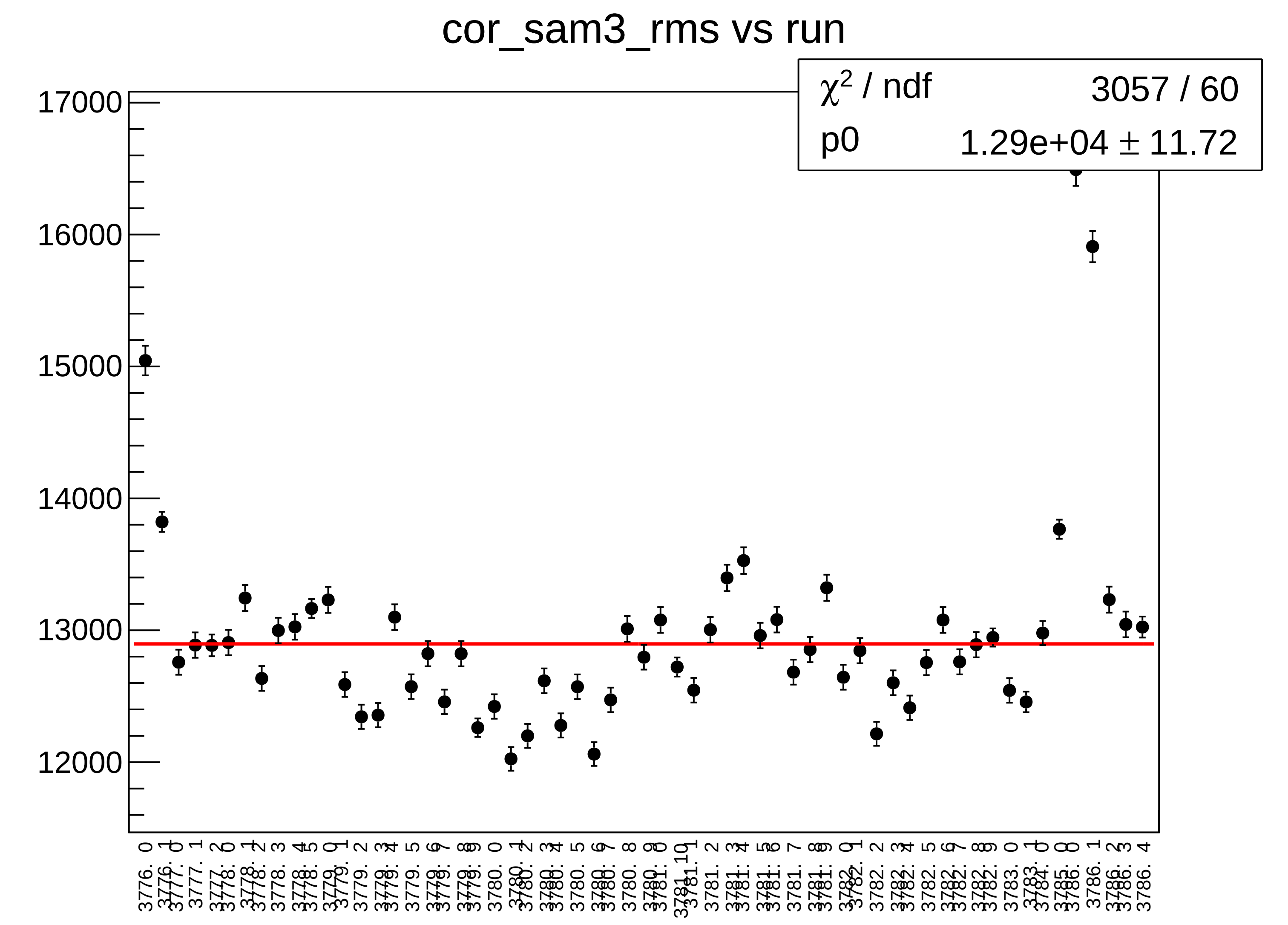


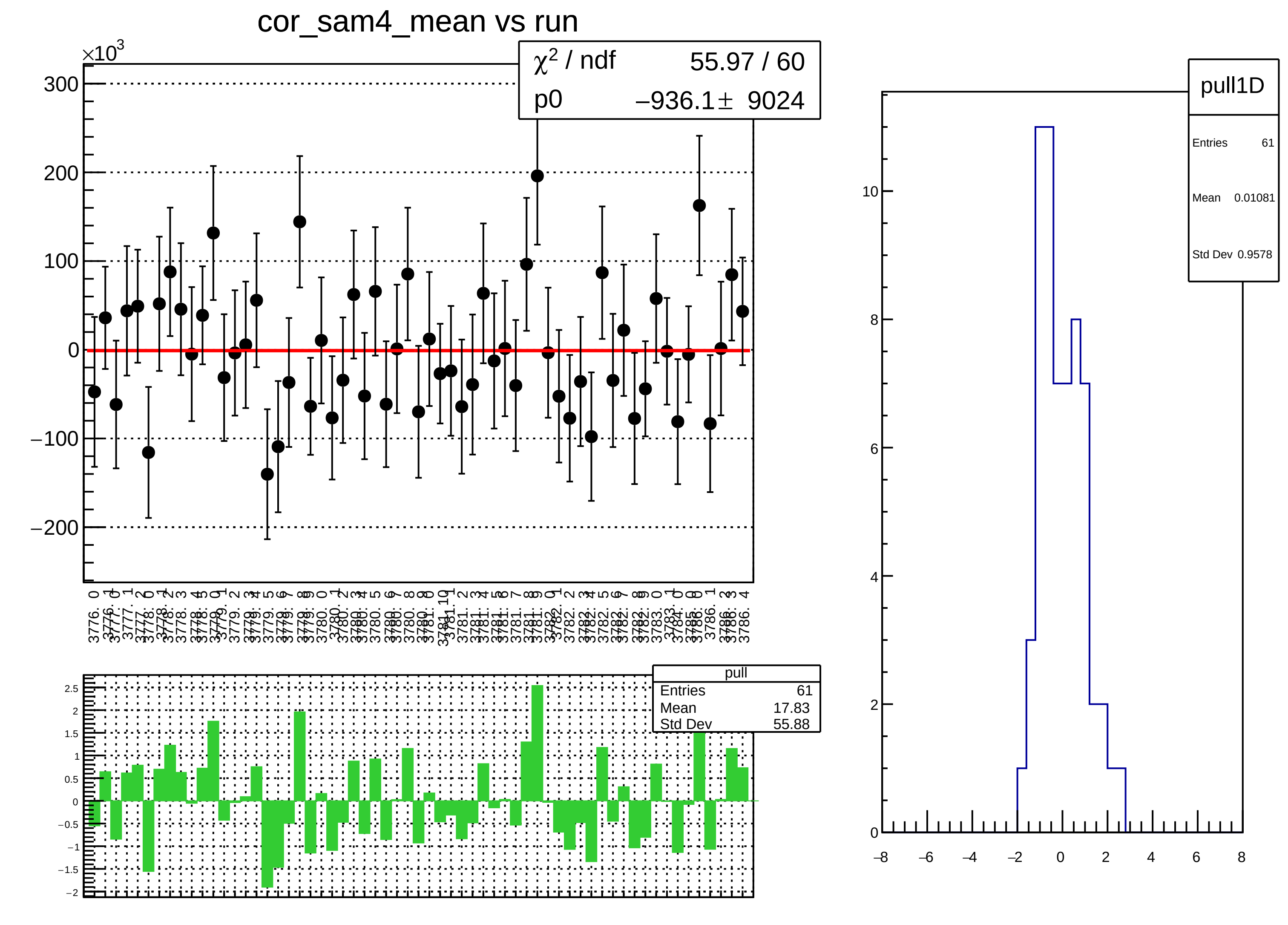
cor_sam2_mean vs run
×10^3
χ2 / ndf 51.65 / 60
p0 1.64e+04 ± 1.19e+04
pull
Entries 61
Mean 35.1
Std Dev 50.79
pull1D
Entries 61
Mean 0.004972
Std Dev 0.9201



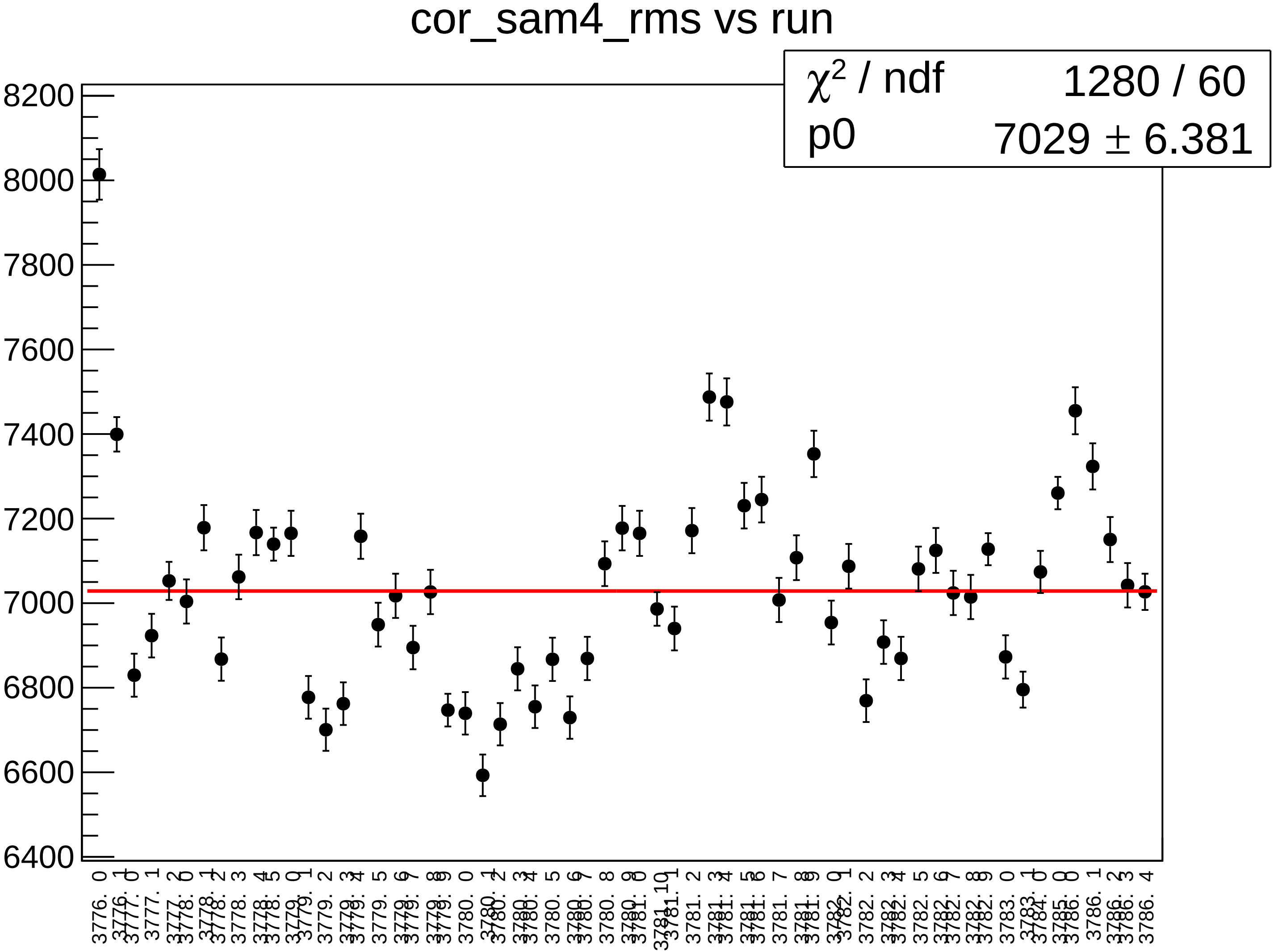
cor_sam2_rms vs run
χ2 / ndf 5748 / 60
p0 9255 ± 8.417
15000
14000
13000
12000
11000
10000
9000


cor_sam3_mean vs run
×10^3
χ2 / ndf 50.52 / 60
p0 1.44e+04 ± 1.657e+04
400
200
0
−200
−400
pull
Entries 61
Mean −6.748
Std Dev 30.3
pull1D
Entries 61
Mean 0.01327
Std Dev 0.9099

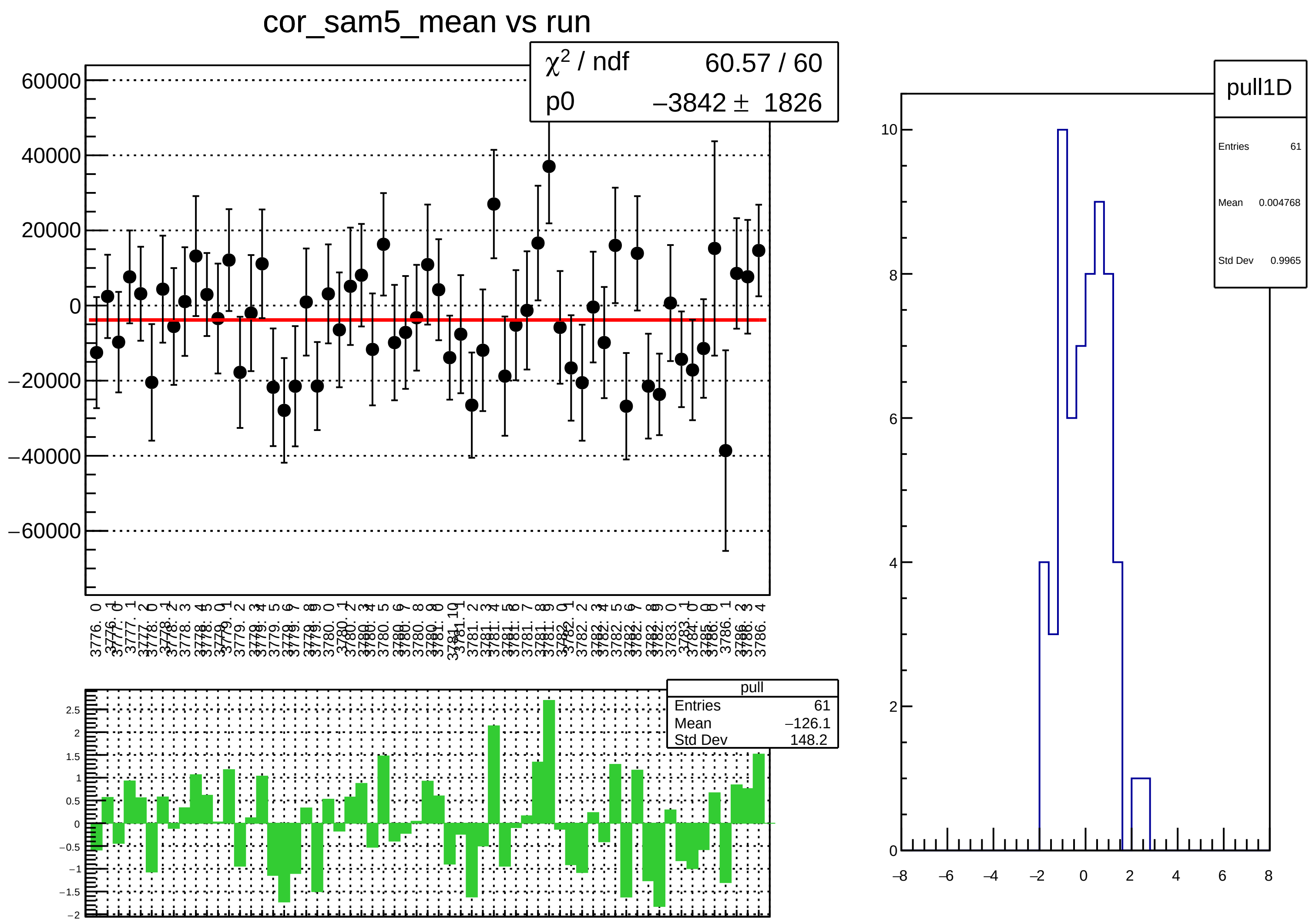

cor_sam3_rms vs run
χ^2 / ndf 3057 / 60
p0 1.29e+04 ± 11.72
17000
16000
15000
14000
13000
12000



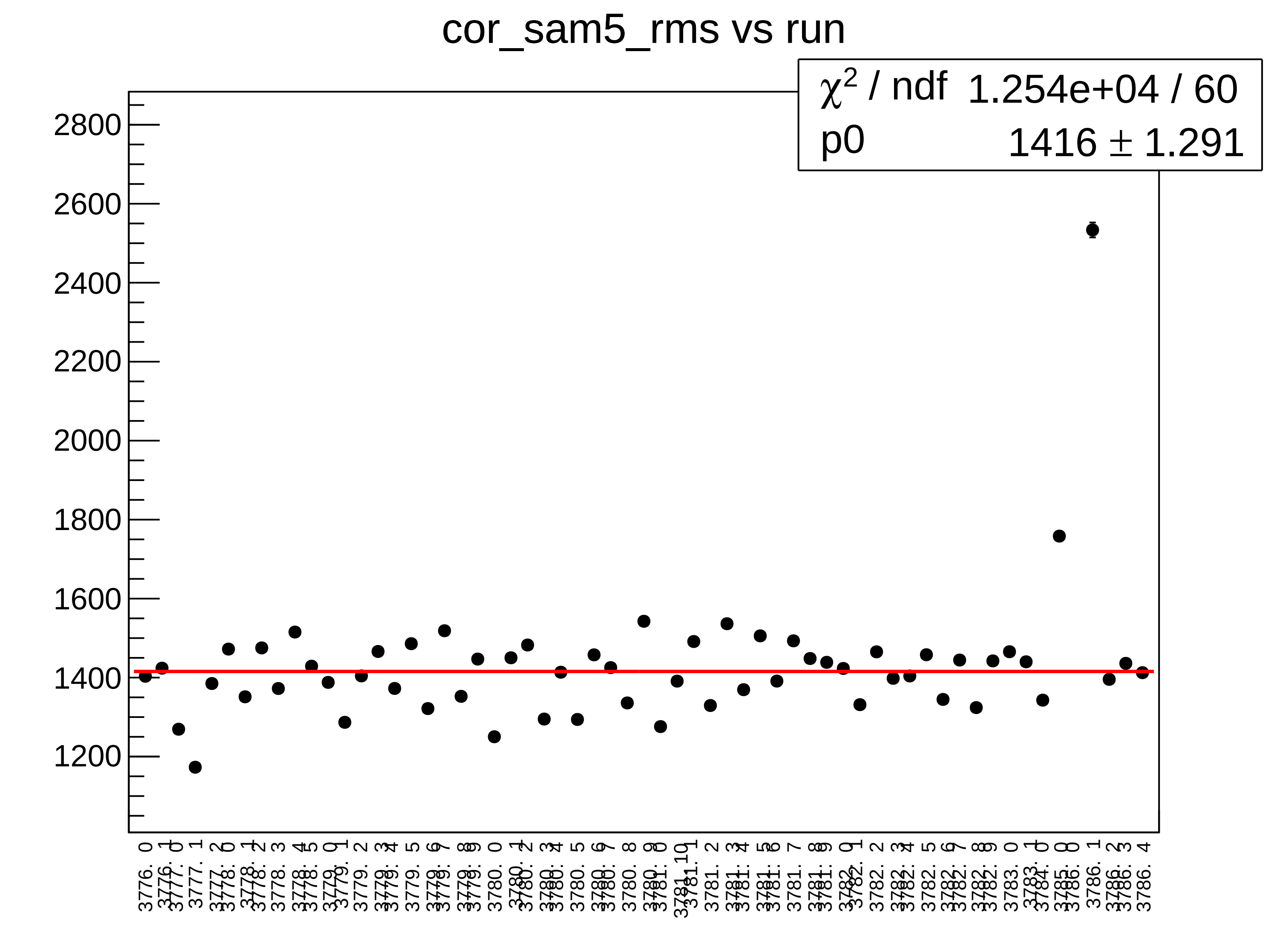
cor_sam4_mean vs run
×10^3
χ2 / ndf 55.97 / 60
p0 −936.1 ± 9024
pull
Entries 61
Mean 17.83
Std Dev 55.88
pull1D
Entries 61
Mean 0.01081
Std Dev 0.9578



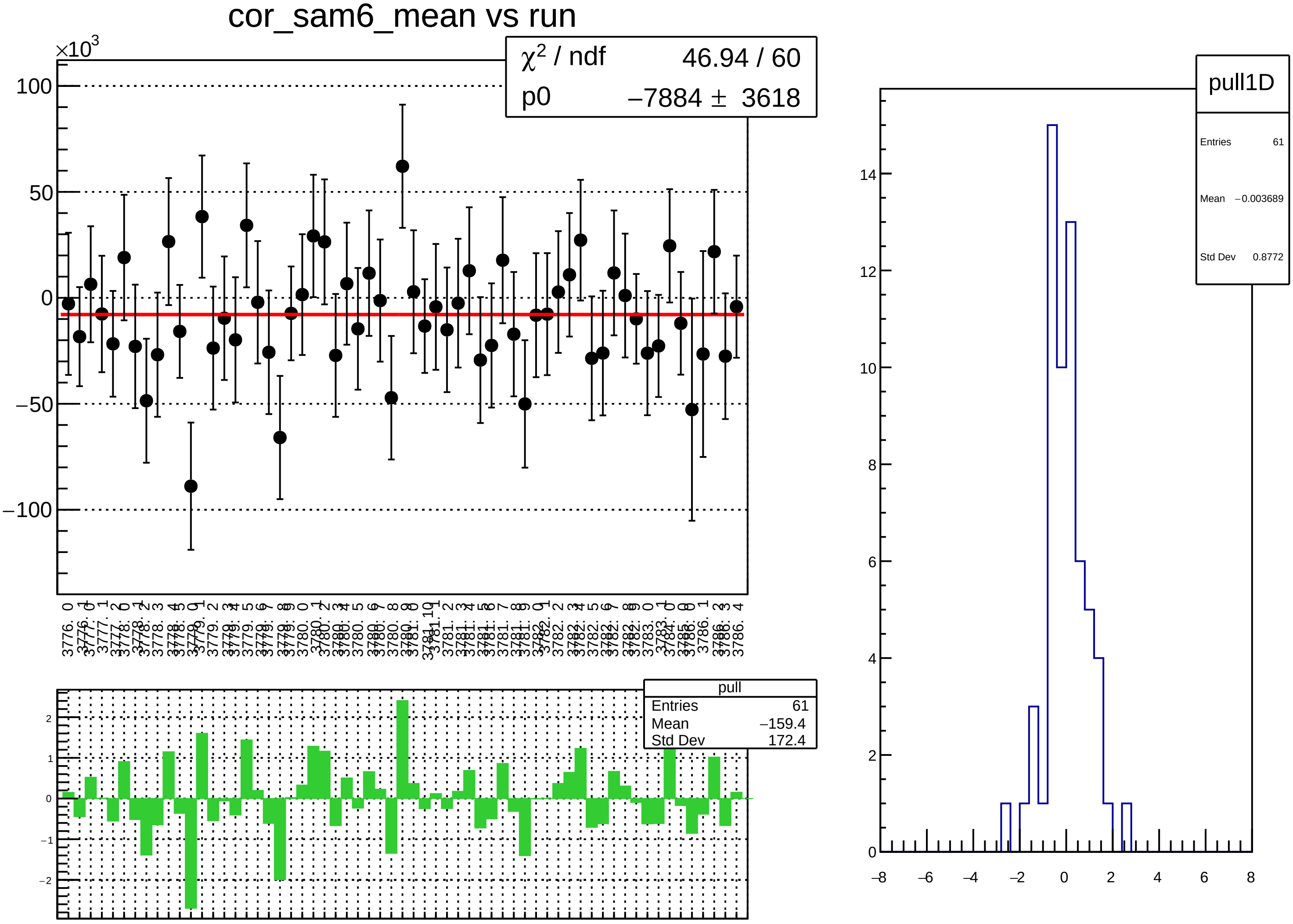
cor_sam4_rms vs run
χ^2 / ndf 1280 / 60
p0 7029 ± 6.381
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400



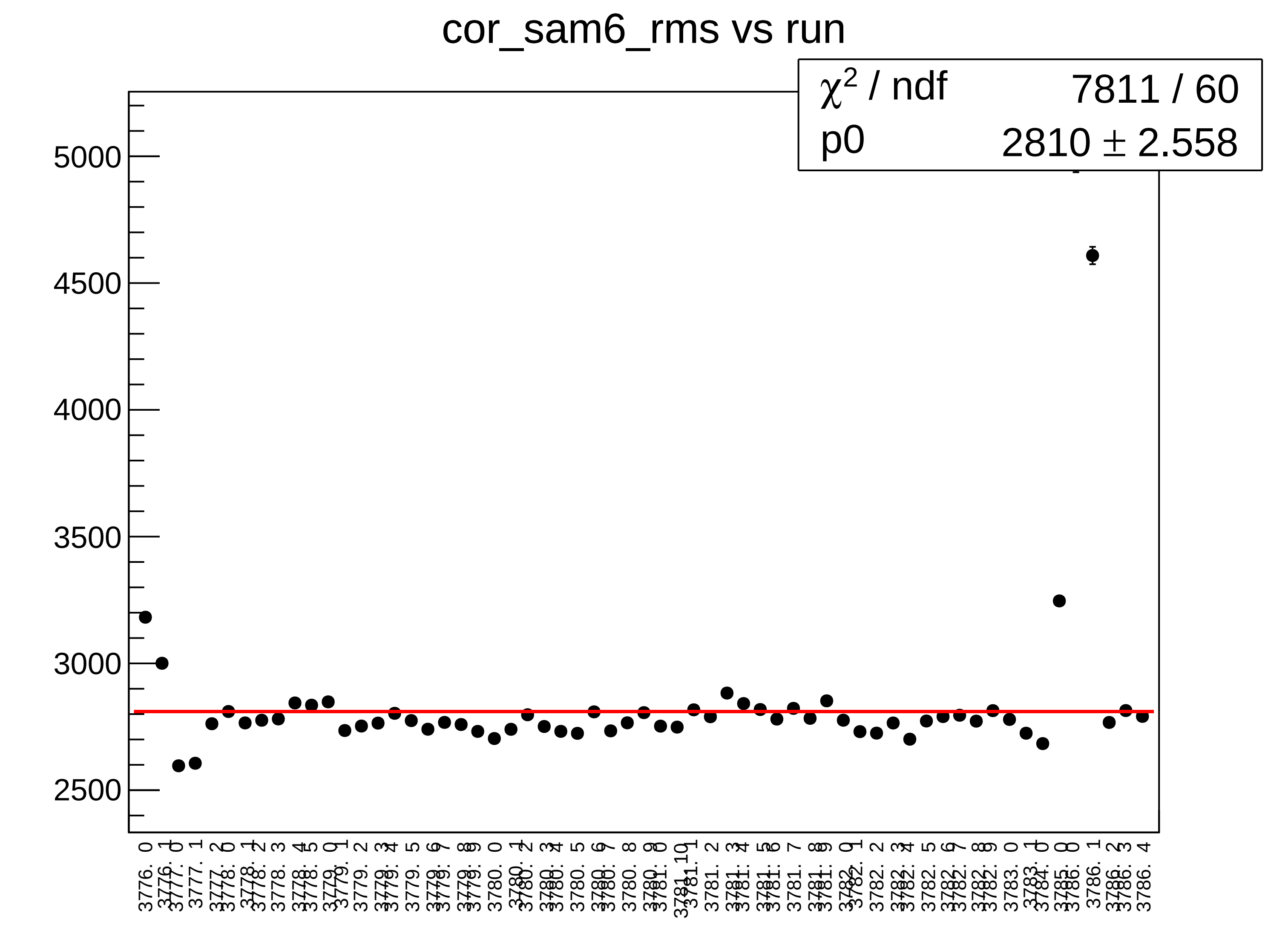
cor_sam5_mean vs run
χ^2 / ndf 60.57 / 60
p0 −3842 ± 1826
pull
Entries 61
Mean −126.1
Std Dev 148.2
pull1D
Entries 61
Mean 0.004768
Std Dev 0.9965

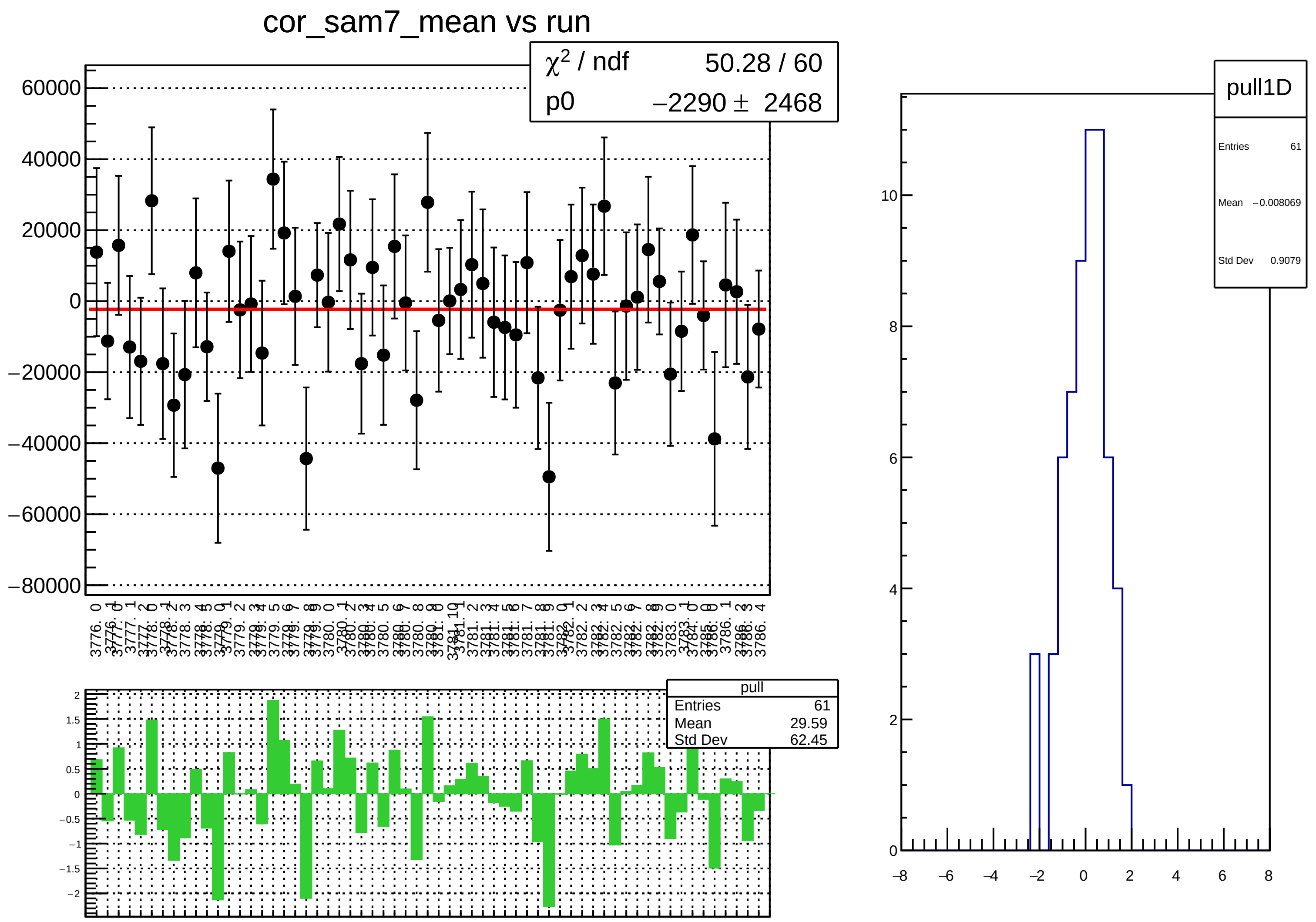


cor_sam5_rms vs run
χ^2 / ndf 1.254e+04 / 60
p0 1416 ± 1.291
2800
2600
2400
2200
2000
1800
1600
1400
1200

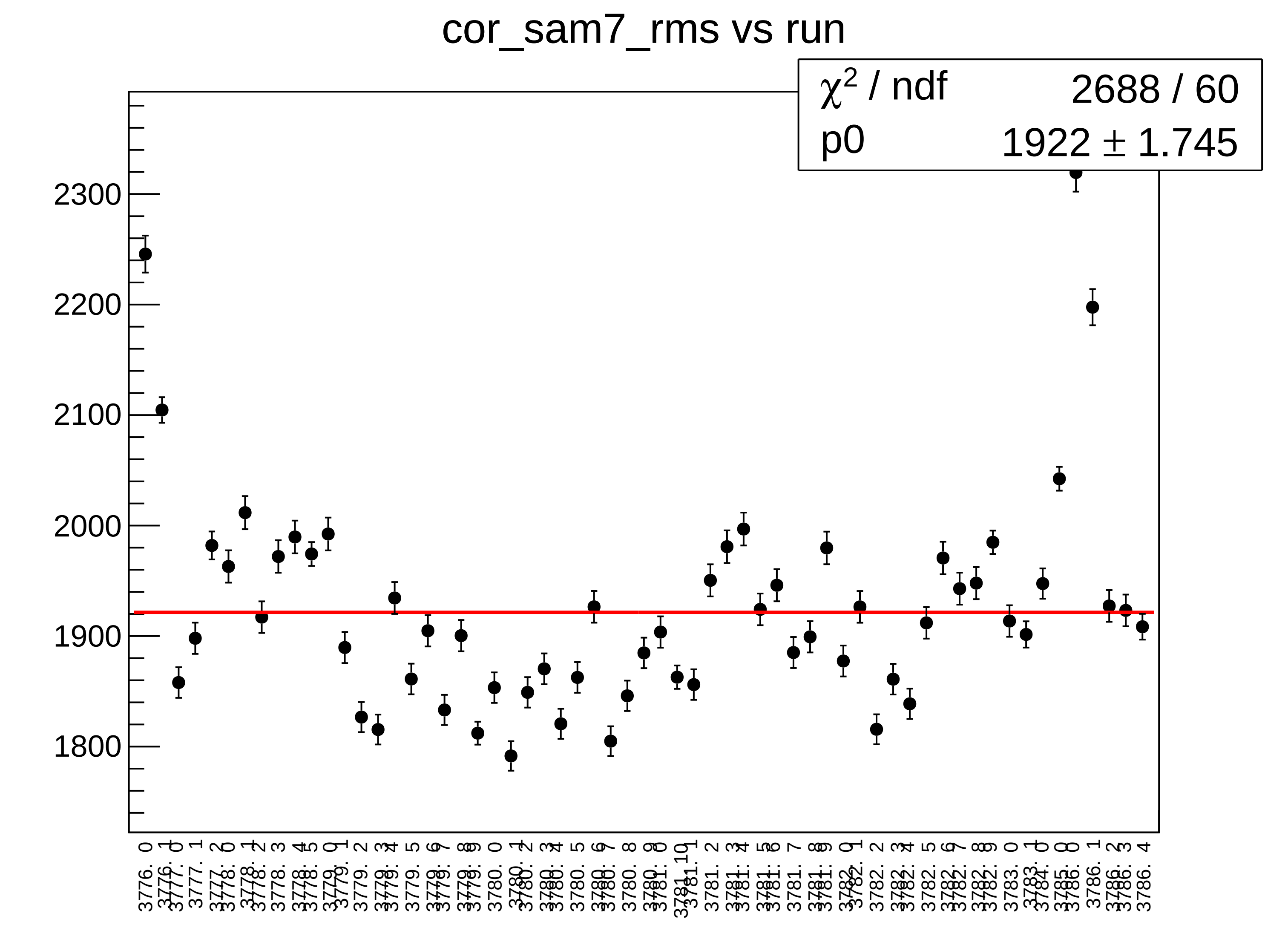


cor_sam6_mean vs run
$\times10^3$
χ^2 / ndf 46.94 / 60
p0 −7884 ± 3618
pull
Entries 61
Mean −159.4
Std Dev 172.4
pull1D
Entries 61
Mean −0.003689
Std Dev 0.8772

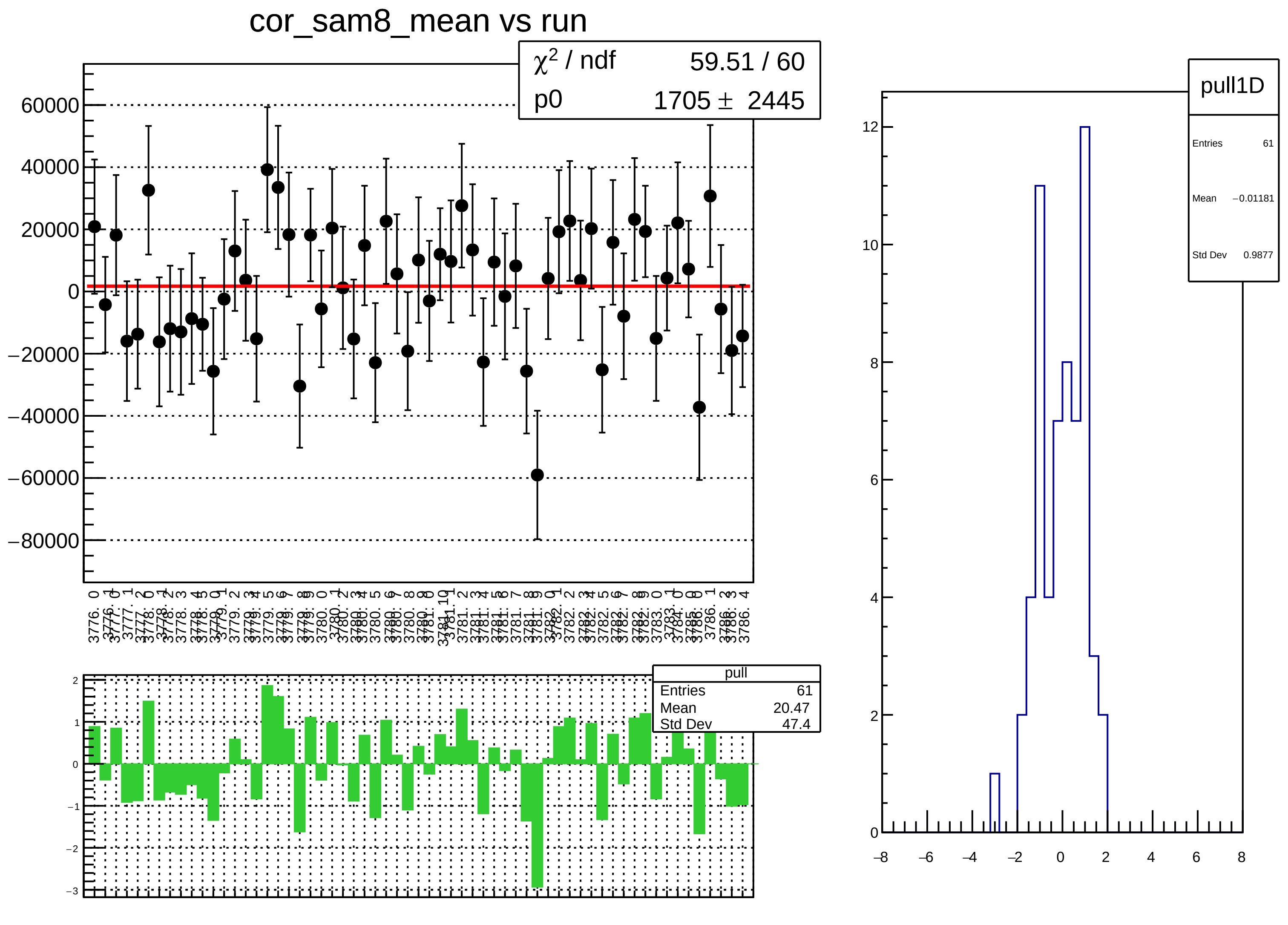

cor_sam6_rms vs run
χ^2 / ndf 7811 / 60
p0 2810 ± 2.558



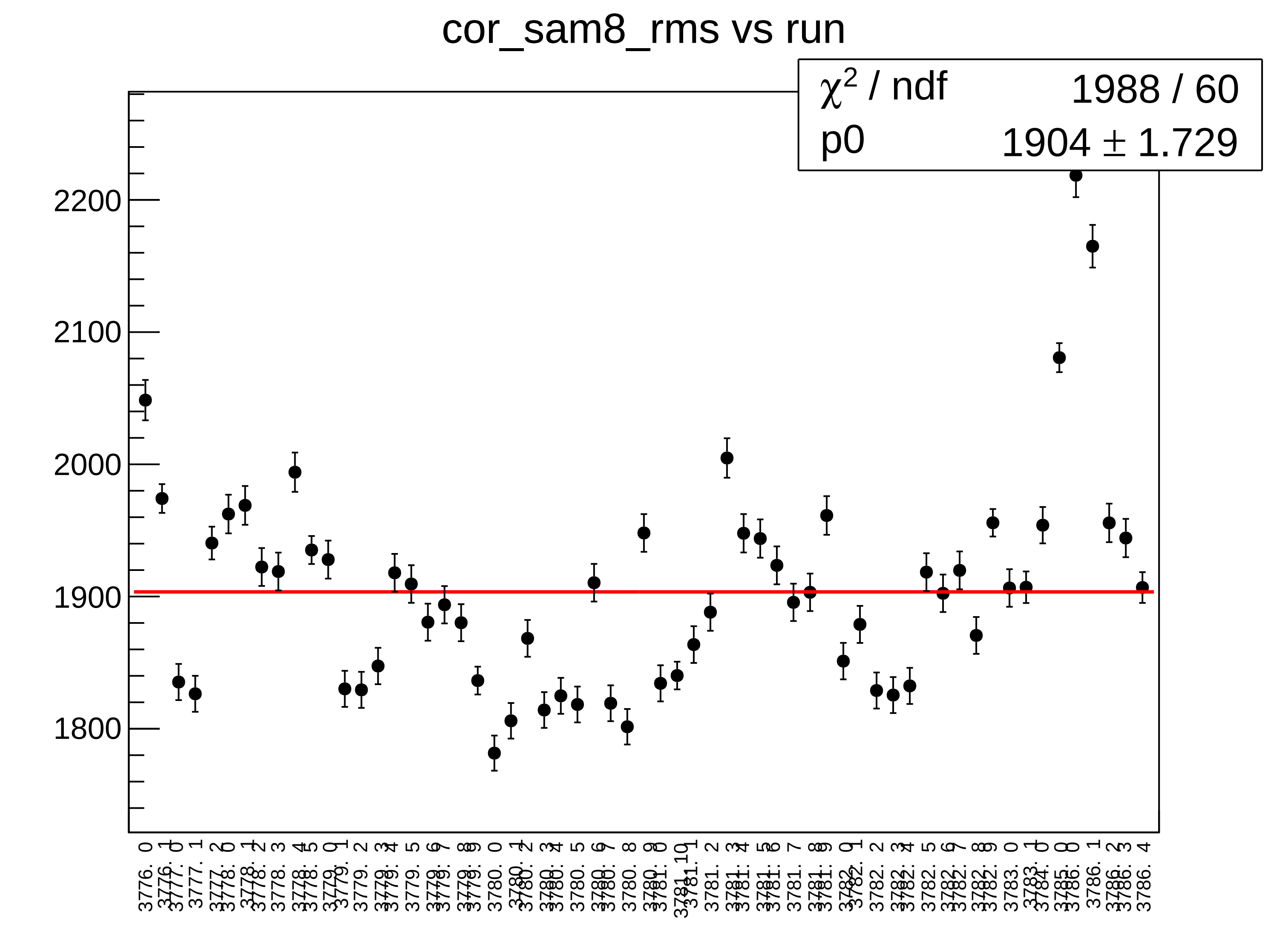
cor_sam7_mean vs run
χ^2 / ndf 50.28 / 60
p0 −2290 ± 2468
pull
Entries 61
Mean 29.59
Std Dev 62.45
pull1D
Entries 61
Mean −0.008069
Std Dev 0.9079



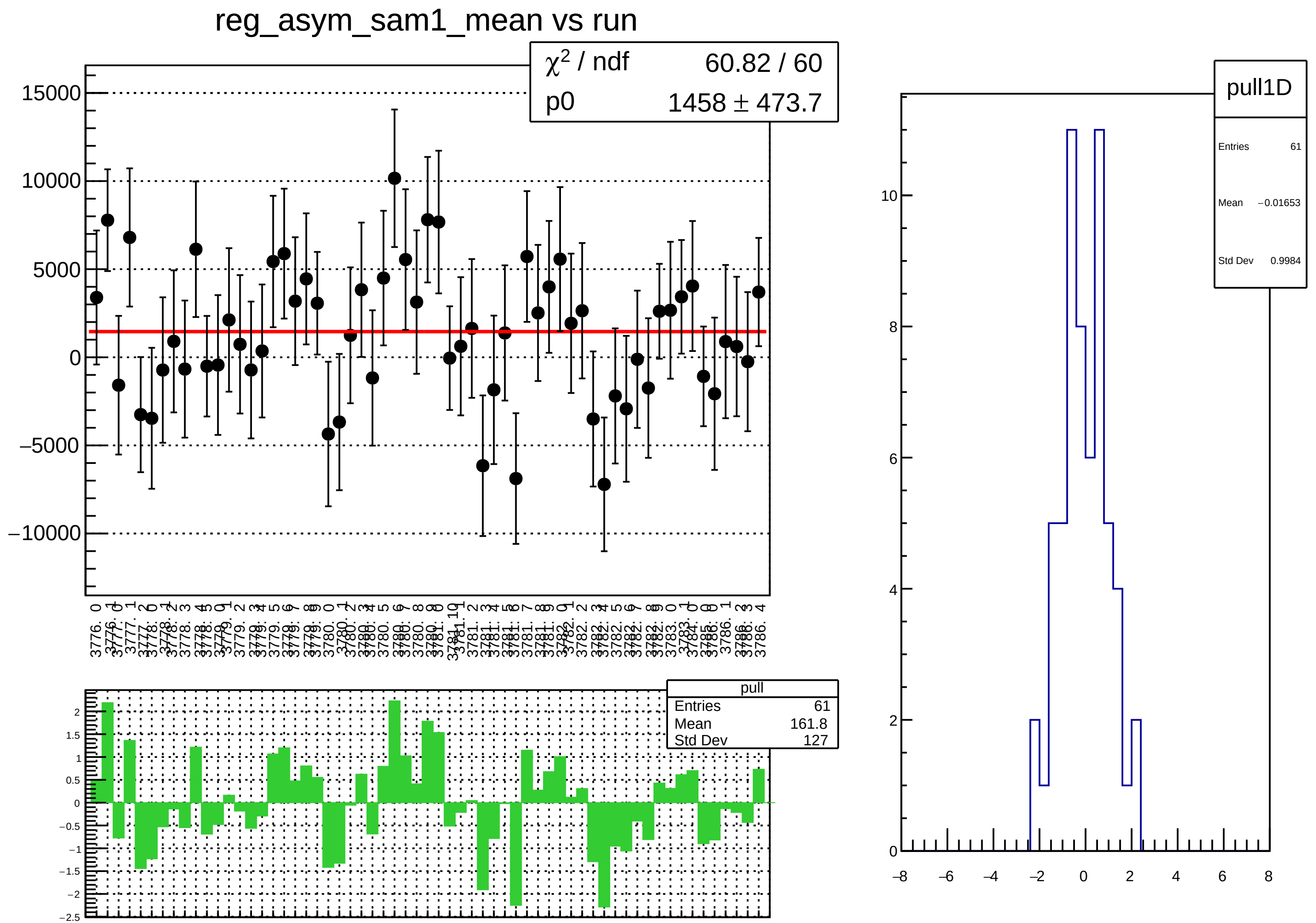
cor_sam7_rms vs run
χ^2 / ndf 2688 / 60
p0 1922 ± 1.745
2300
2200
2100
2000
1900
1800



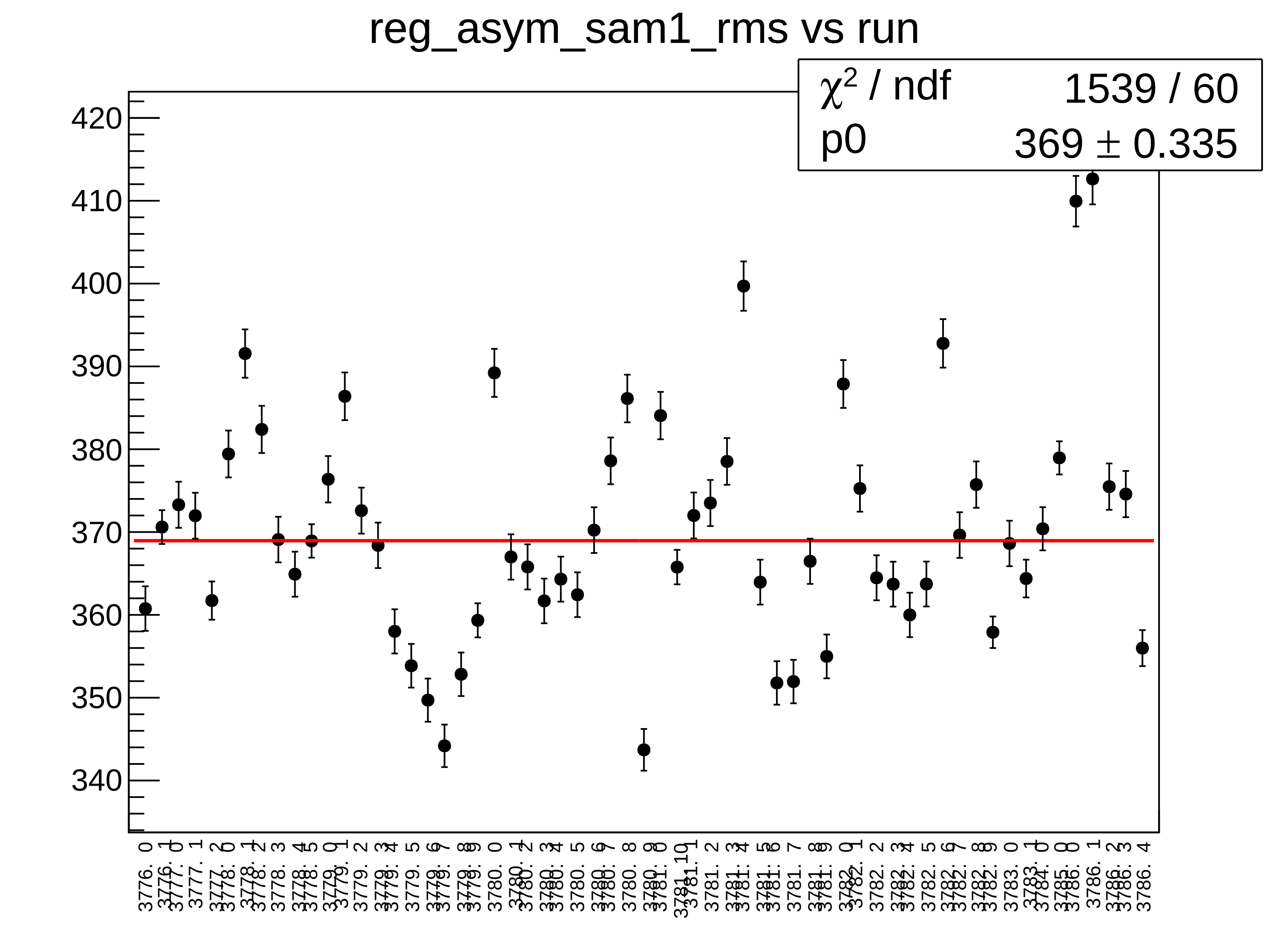
cor_sam8_mean vs run
χ^2 / ndf 59.51 / 60
p0 1705 ± 2445
pull
Entries 61
Mean 20.47
Std Dev 47.4
pull1D
Entries 61
Mean −0.01181
Std Dev 0.9877

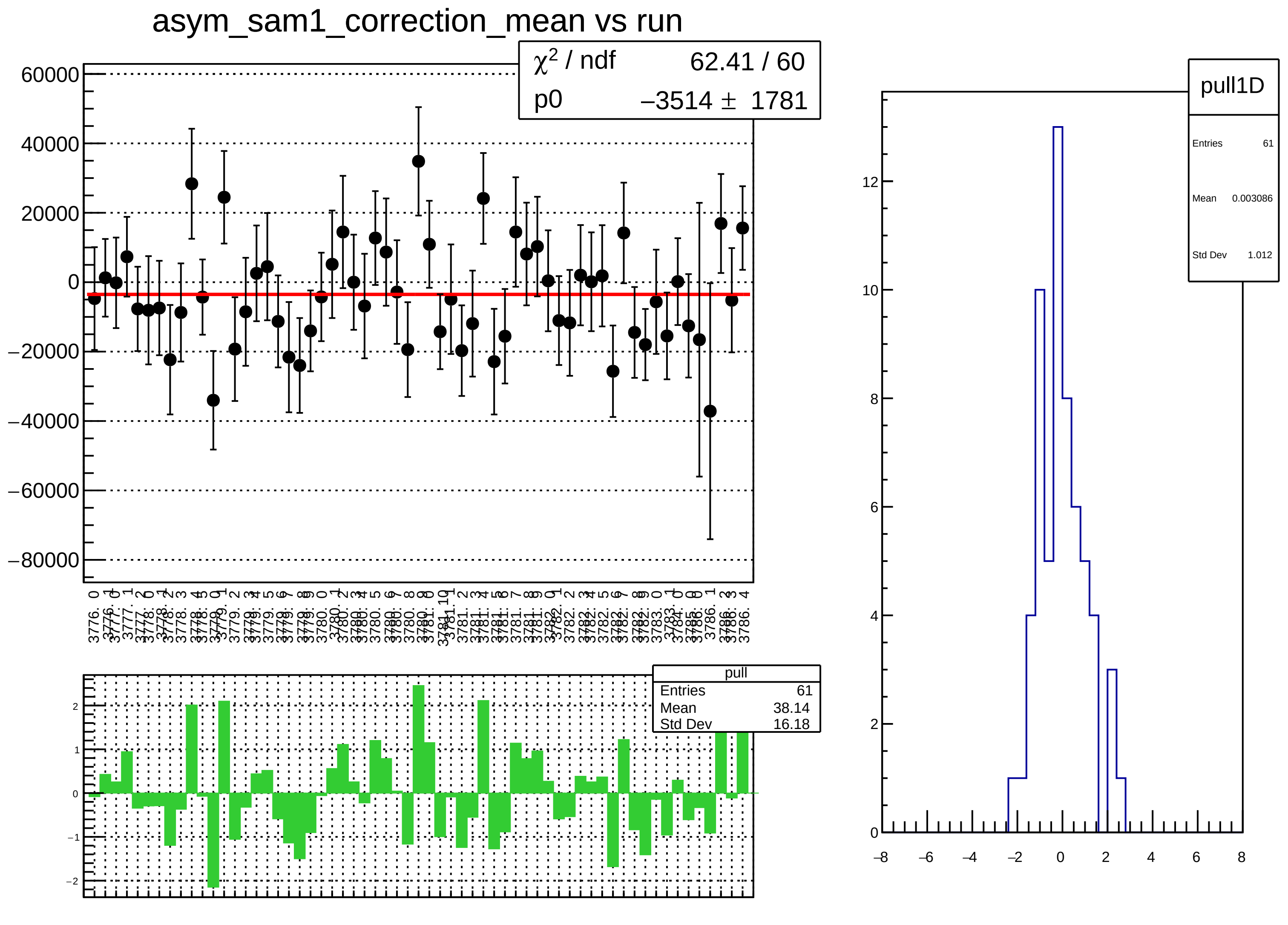


cor_sam8_rms vs run
χ^2 / ndf 1988 / 60
p0 1904 ± 1.729
2200
2100
2000
1900
1800

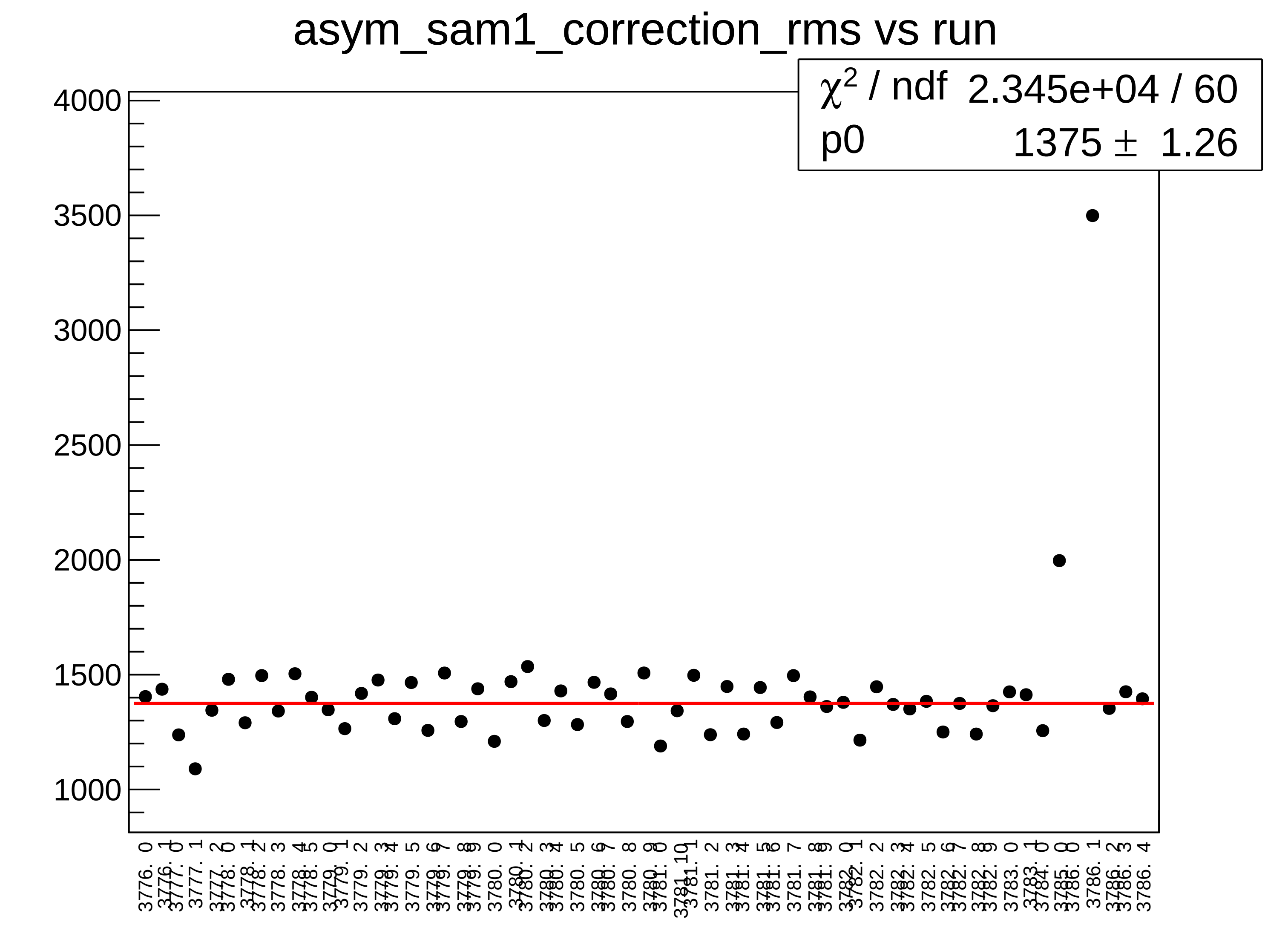


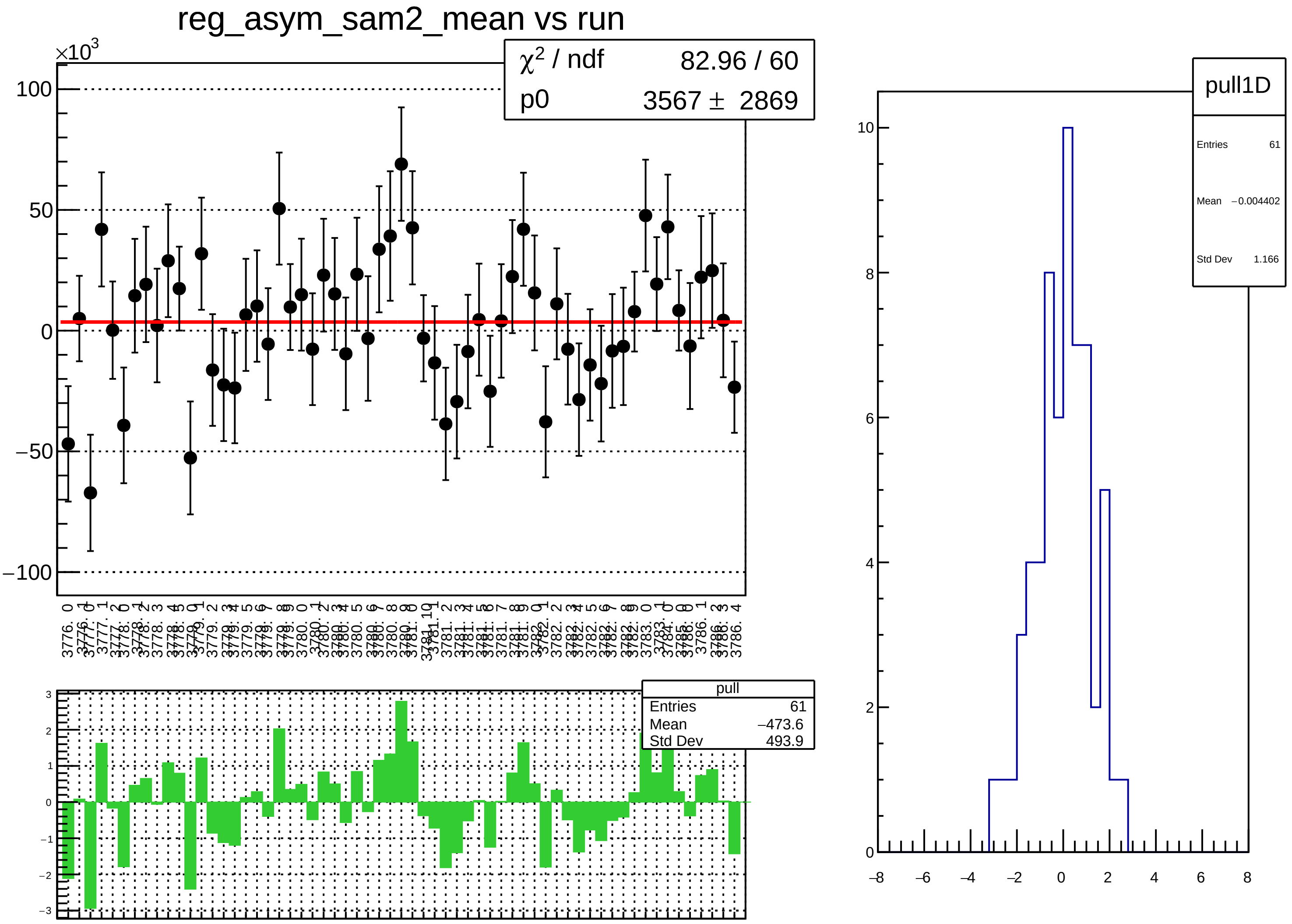
reg_asym_sam1_mean vs run
χ^2 / ndf 60.82 / 60
p0 1458 ± 473.7
pull
Entries 61
Mean 161.8
Std Dev 127
pull1D
Entries 61
Mean −0.01653
Std Dev 0.9984

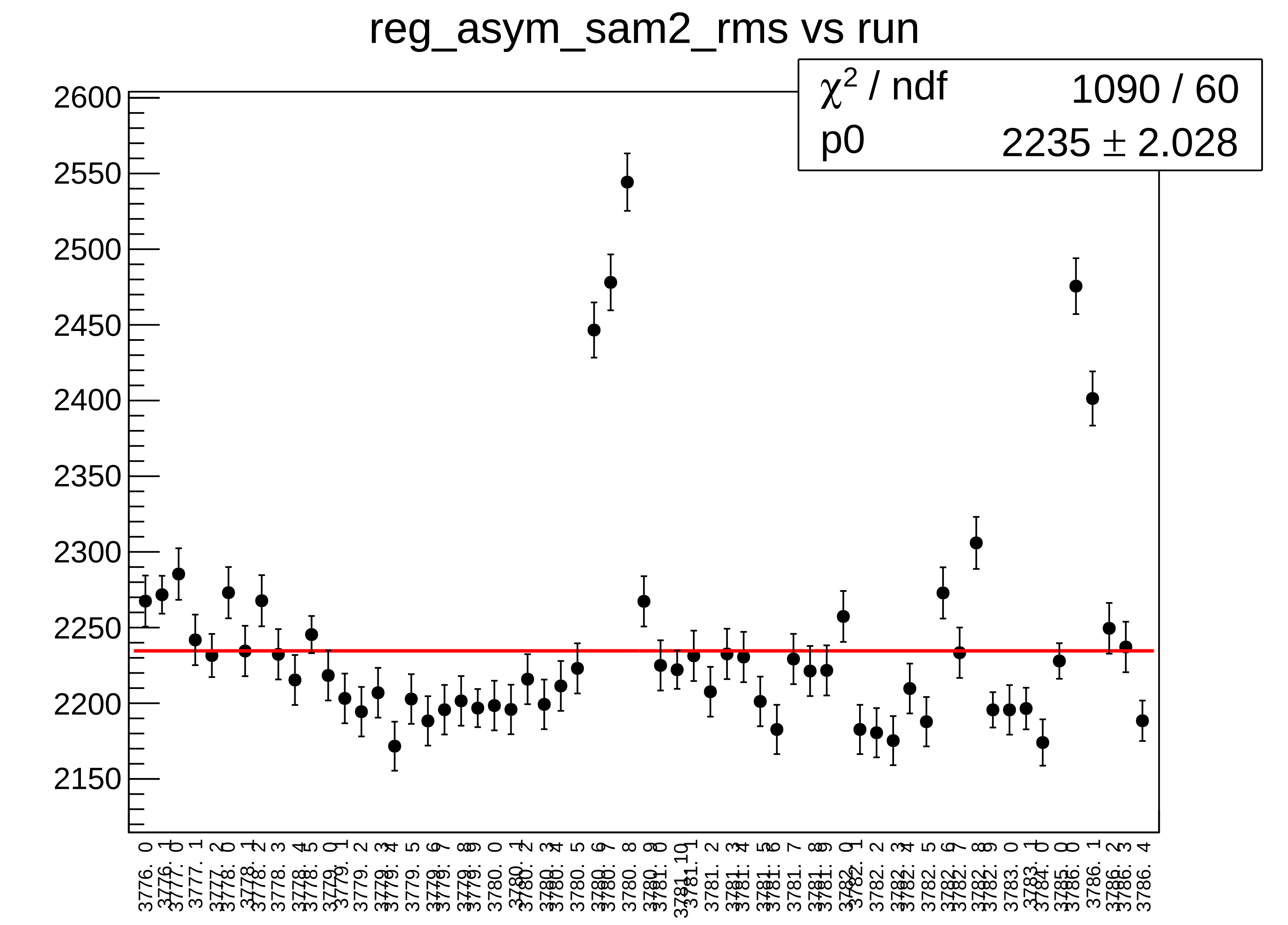

reg_asym_sam1_rms vs run
χ2 / ndf 1539 / 60
p0 369 ± 0.335
420
410
400
390
380
370
360
350
340



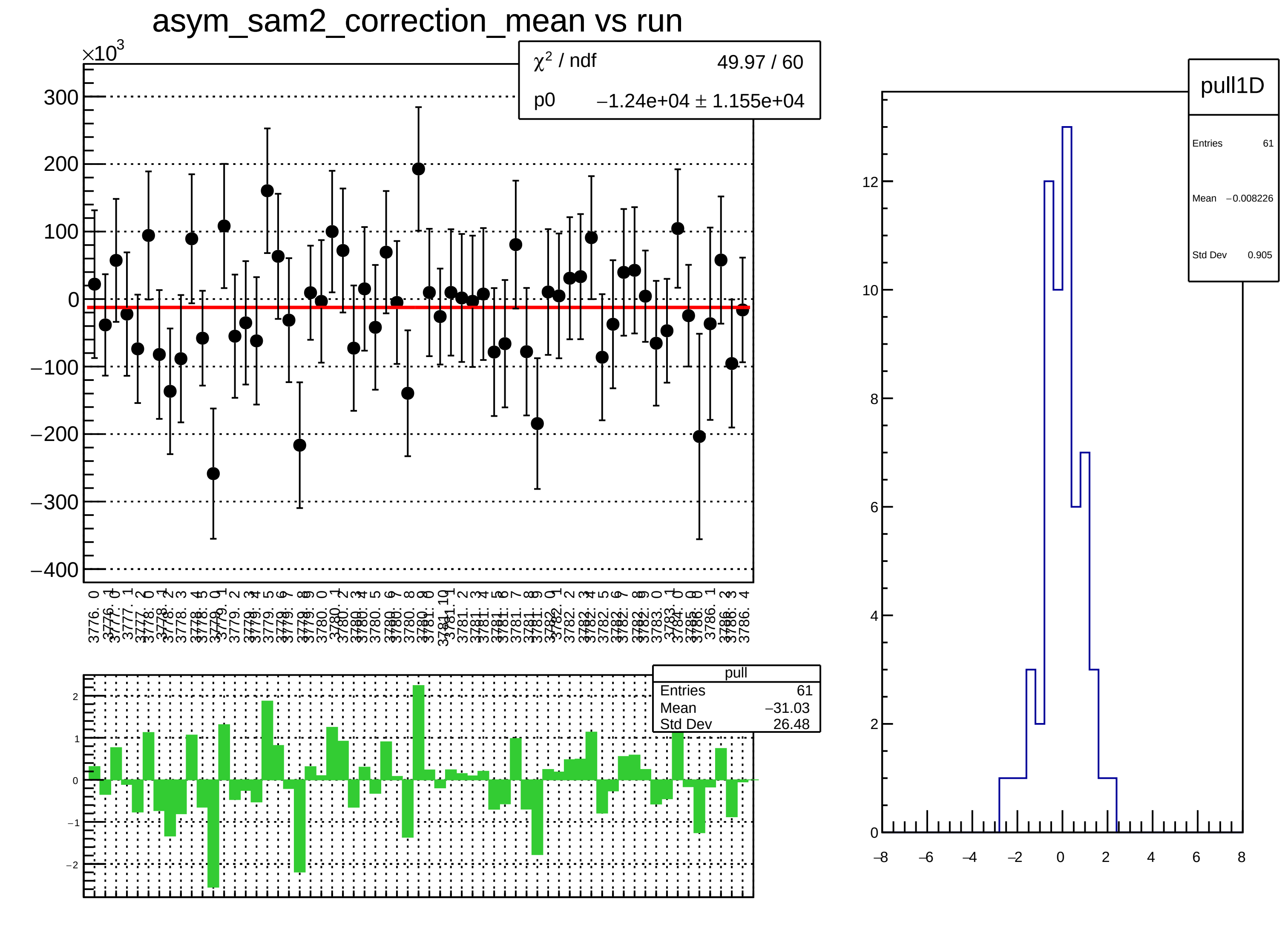
asym_sam1_correction_mean vs run
χ^2 / ndf 62.41 / 60
p0 −3514 ± 1781
pull
Entries 61
Mean 38.14
Std Dev 16.18
pull1D
Entries 61
Mean 0.003086
Std Dev 1.012


asym_sam1_correction_rms vs run
χ^2 / ndf 2.345e+04 / 60
p0 1375 ± 1.26

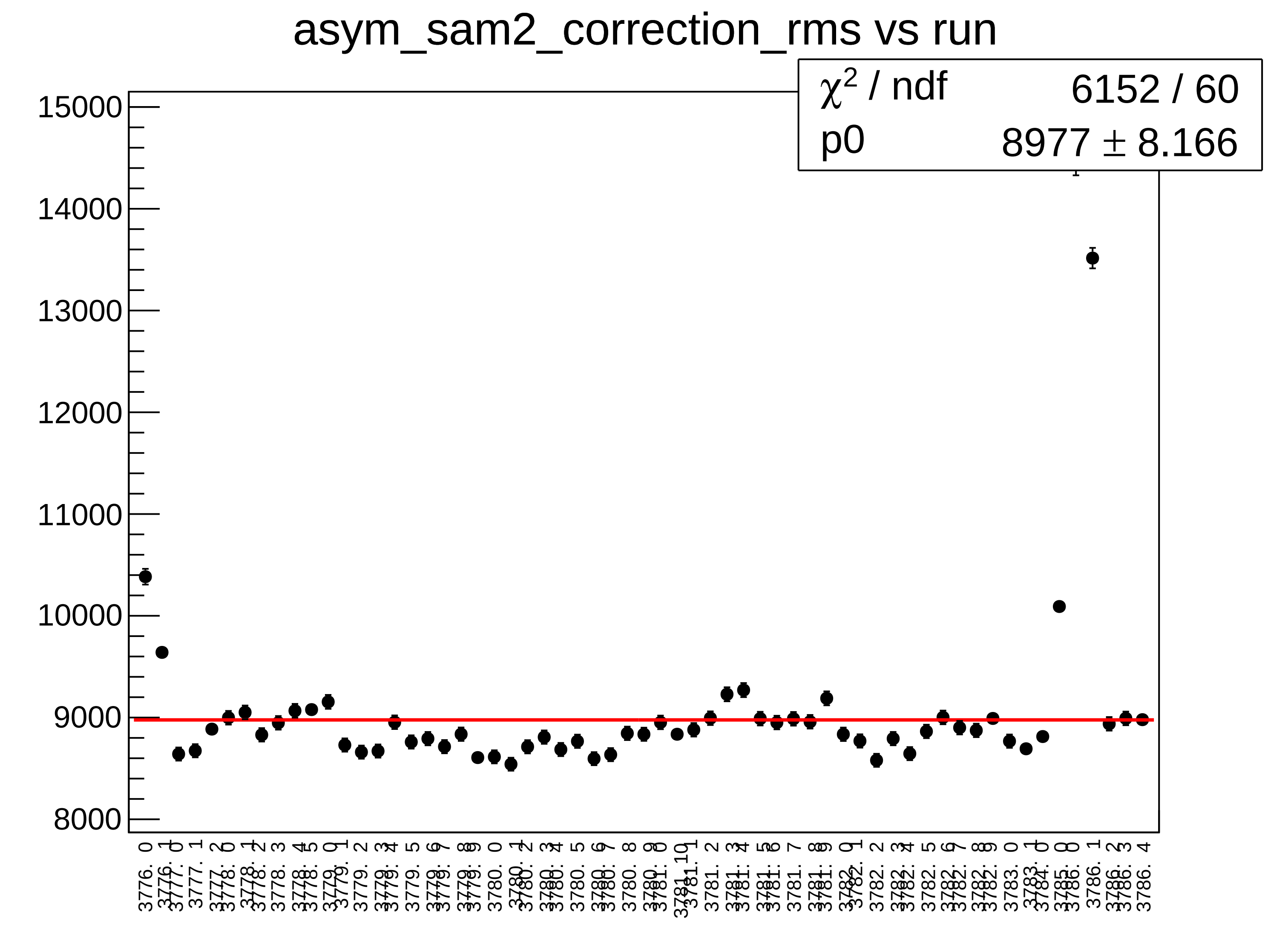

reg_asym_sam2_mean vs run
×10^3
χ2 / ndf 82.96 / 60
p0 3567 ± 2869
pull
Entries 61
Mean −473.6
Std Dev 493.9
pull1D
Entries 61
Mean −0.004402
Std Dev 1.166



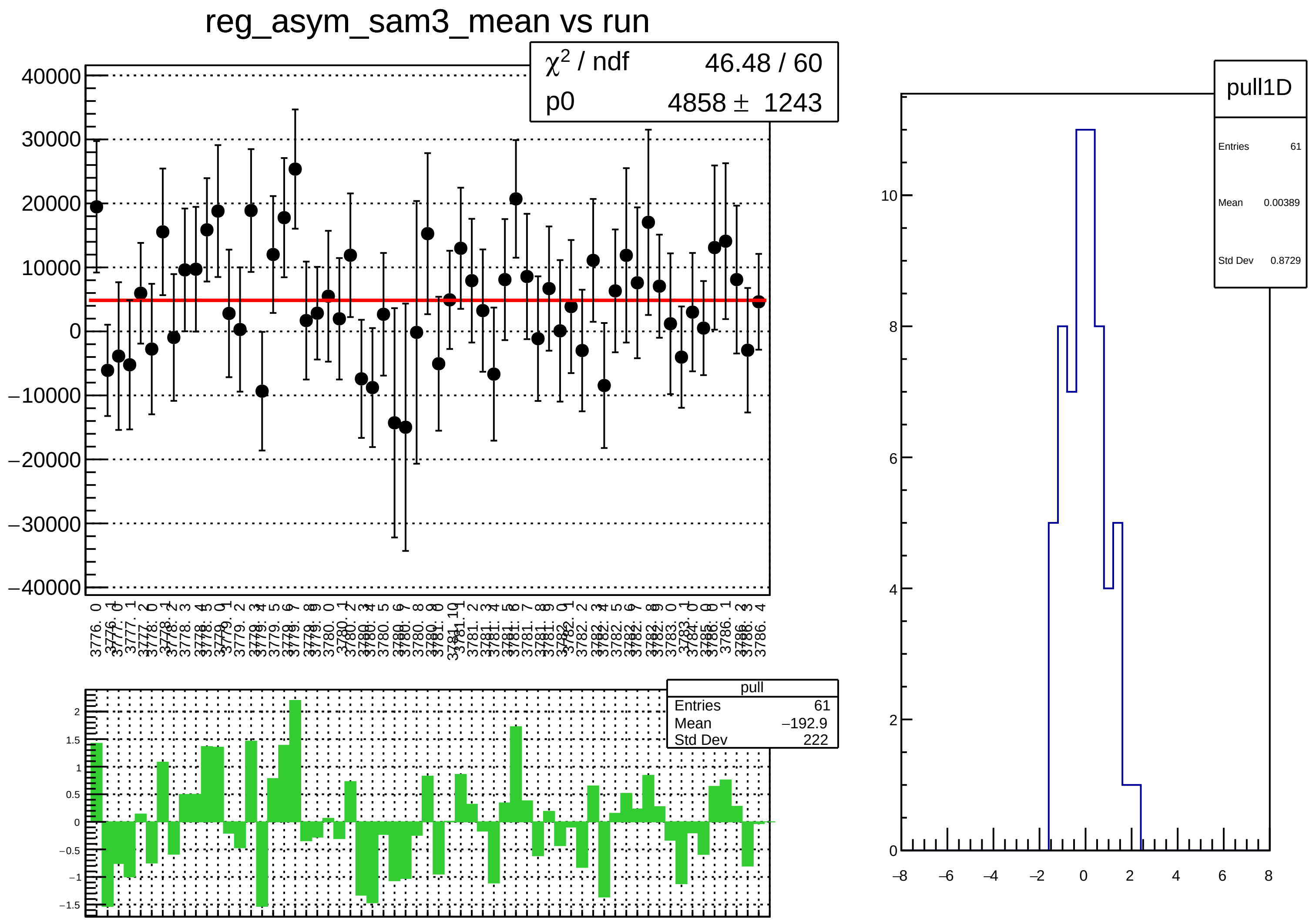
reg_asym_sam2_rms vs run
χ^2 / ndf 1090 / 60
p0 2235 ± 2.028
2600
2550
2500
2450
2400
2350
2300
2250
2200
2150

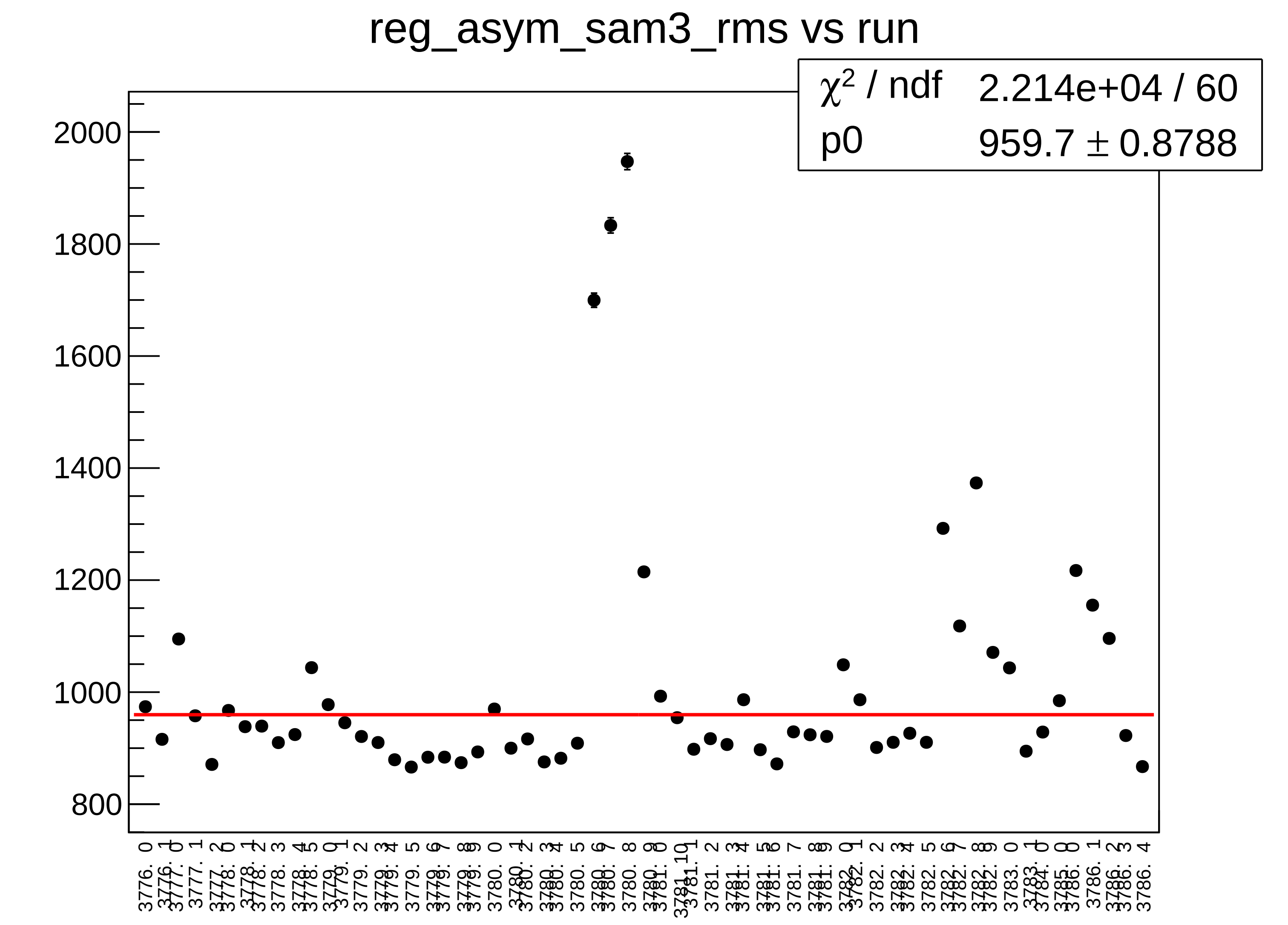


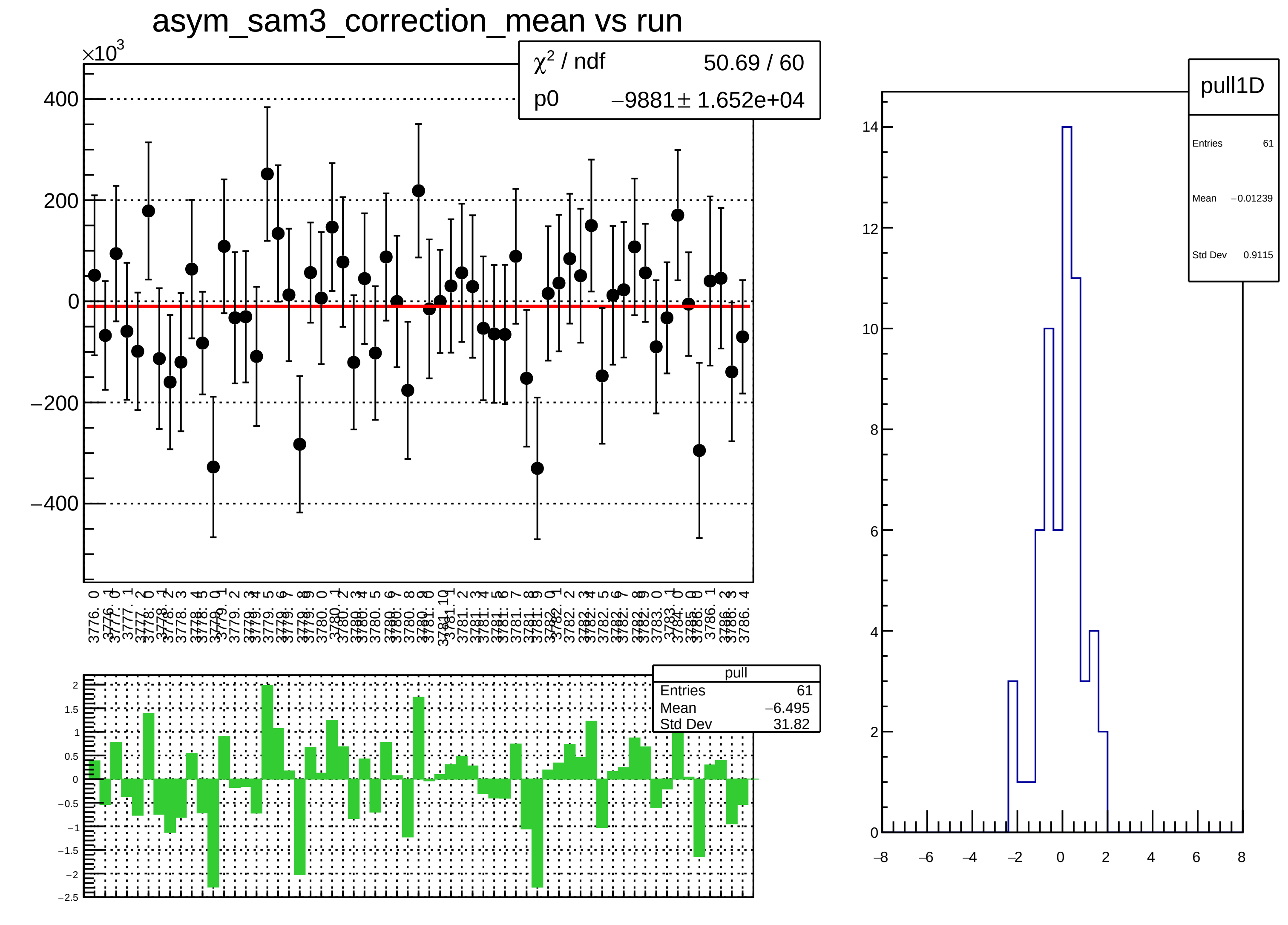
asym_sam2_correction_mean vs run
×10^3
χ2 / ndf 49.97 / 60
p0 −1.24e+04 ± 1.155e+04
pull
Entries 61
Mean −31.03
Std Dev 26.48
pull1D
Entries 61
Mean −0.008226
Std Dev 0.905



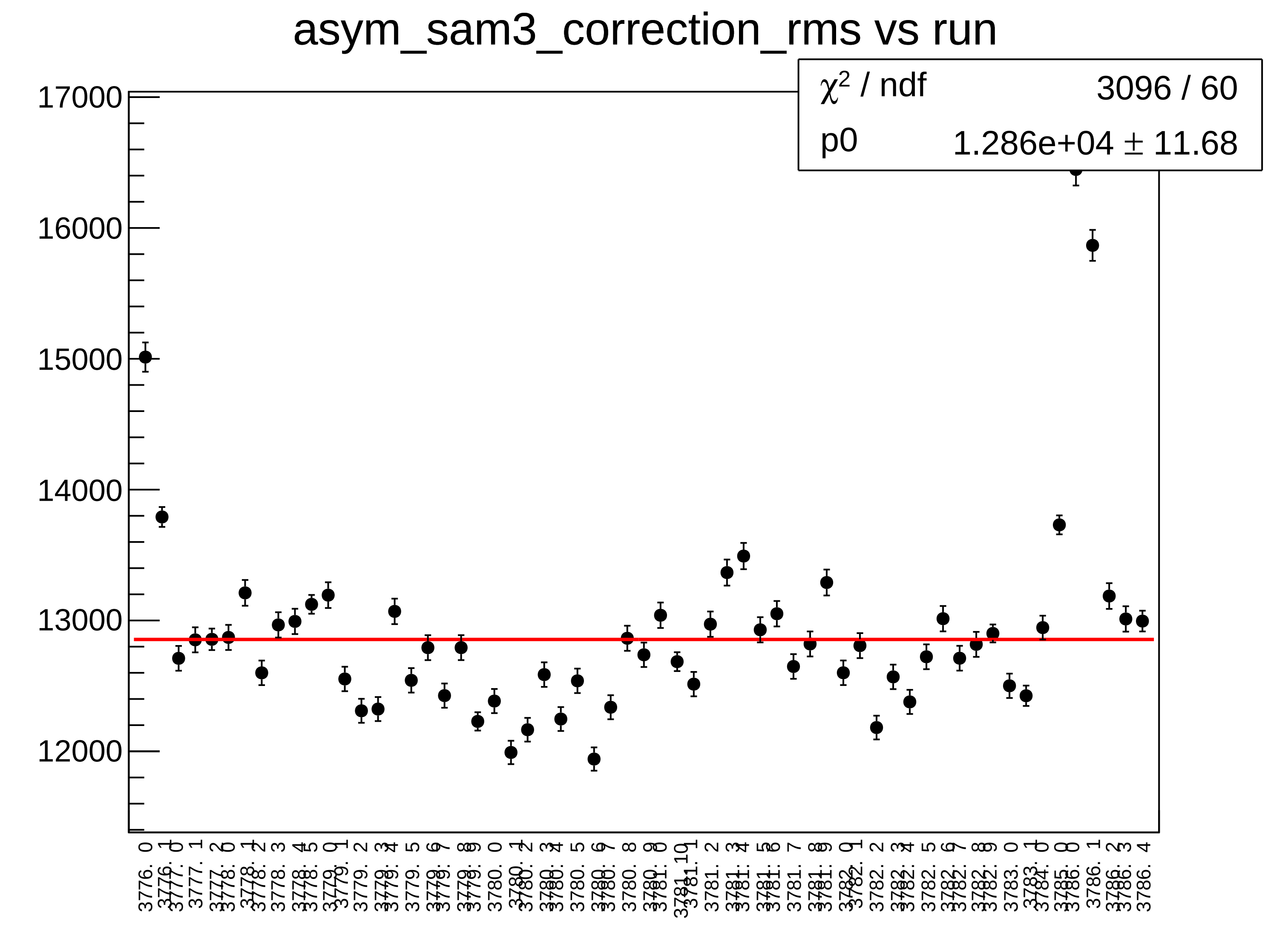
asym_sam2_correction_rms vs run
χ^2 / ndf 6152 / 60
p0 8977 ± 8.166
15000
14000
13000
12000
11000
10000
9000
8000


reg_asym_sam3_mean vs run
χ^2 / ndf 46.48 / 60
p0 4858 ± 1243
pull
Entries 61
Mean −192.9
Std Dev 222
pull1D
Entries 61
Mean 0.00389
Std Dev 0.8729

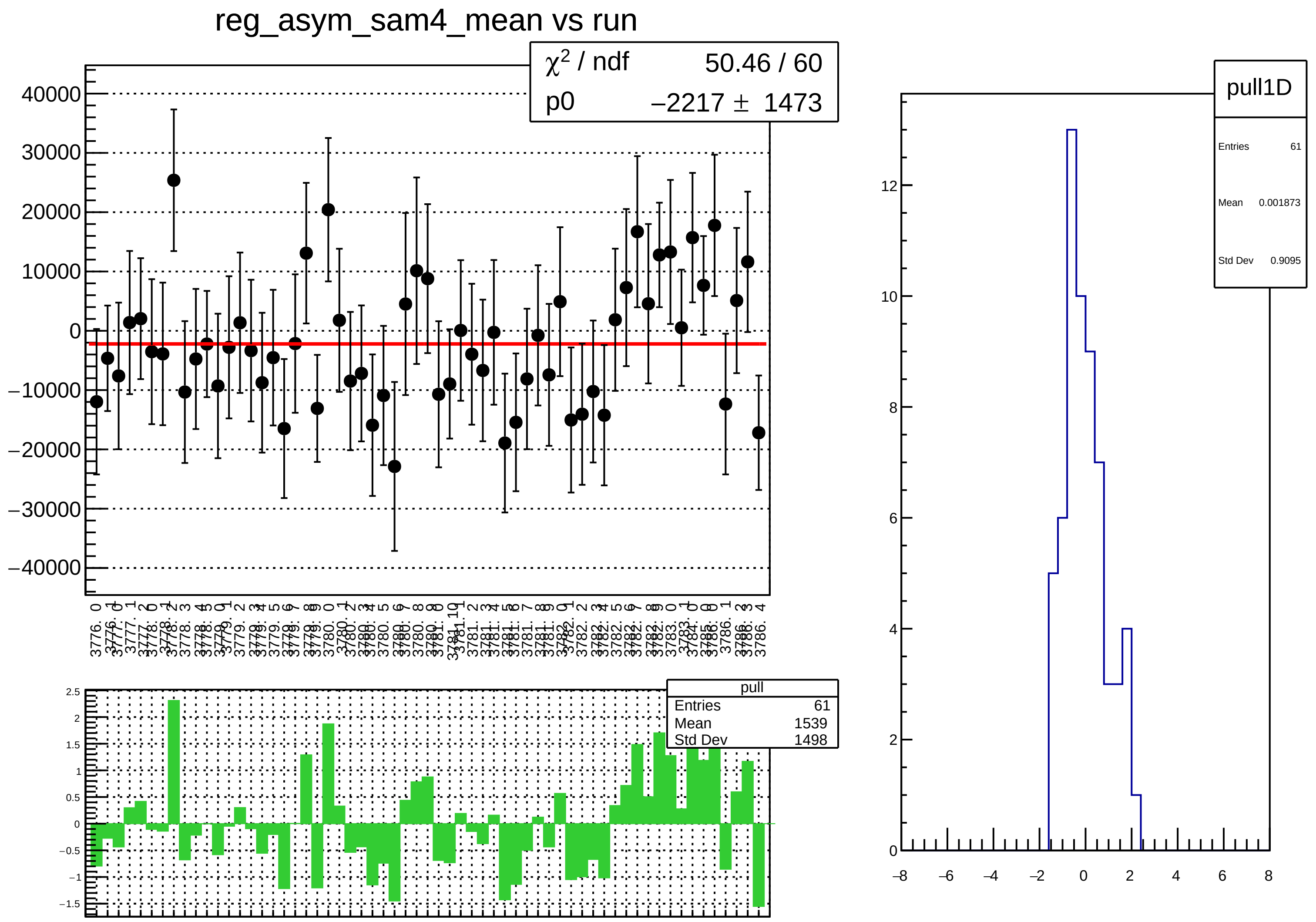

reg_asym_sam3_rms vs run
χ2 / ndf 2.214e+04 / 60
p0 959.7 ± 0.8788
2000
1800
1600
1400
1200
1000
800



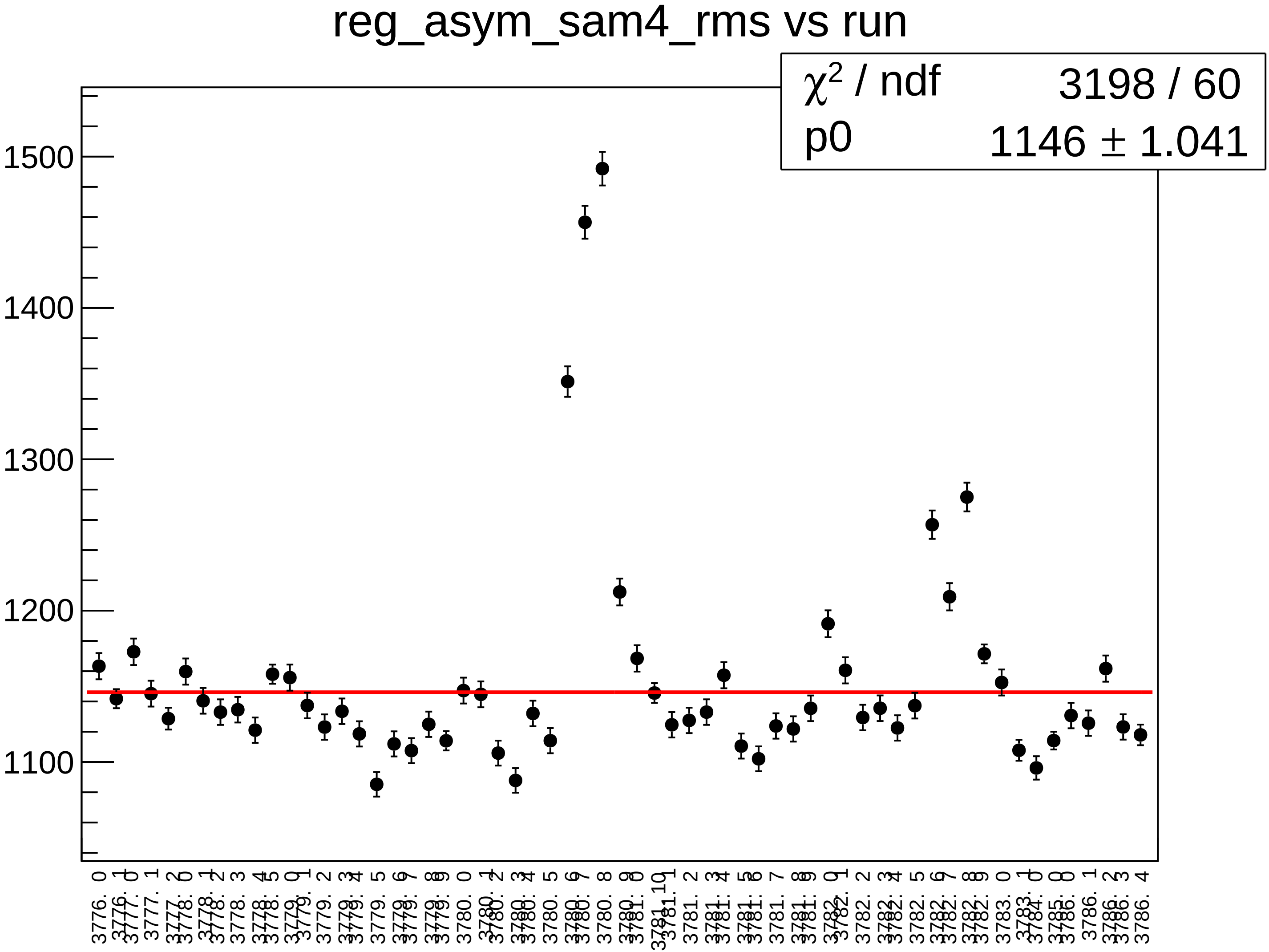
asym_sam3_correction_mean vs run
χ^2 / ndf 50.69 / 60
p0 −9881 ± 1.652e+04
×10^3
pull
Entries 61
Mean −6.495
Std Dev 31.82
pull1D
Entries 61
Mean −0.01239
Std Dev 0.9115



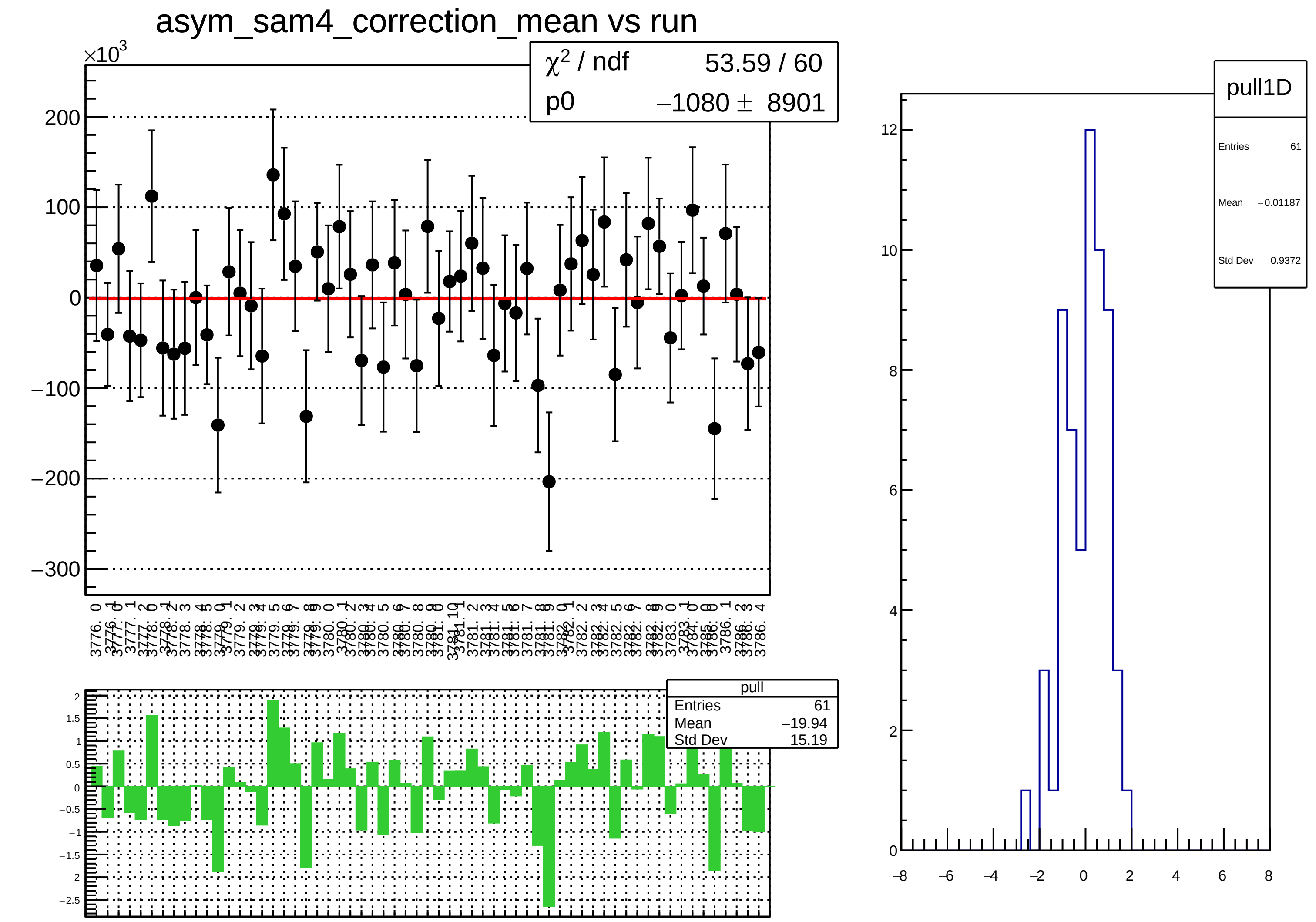
asym_sam3_correction_rms vs run
χ^2 / ndf 3096 / 60
p0 1.286e+04 ± 11.68



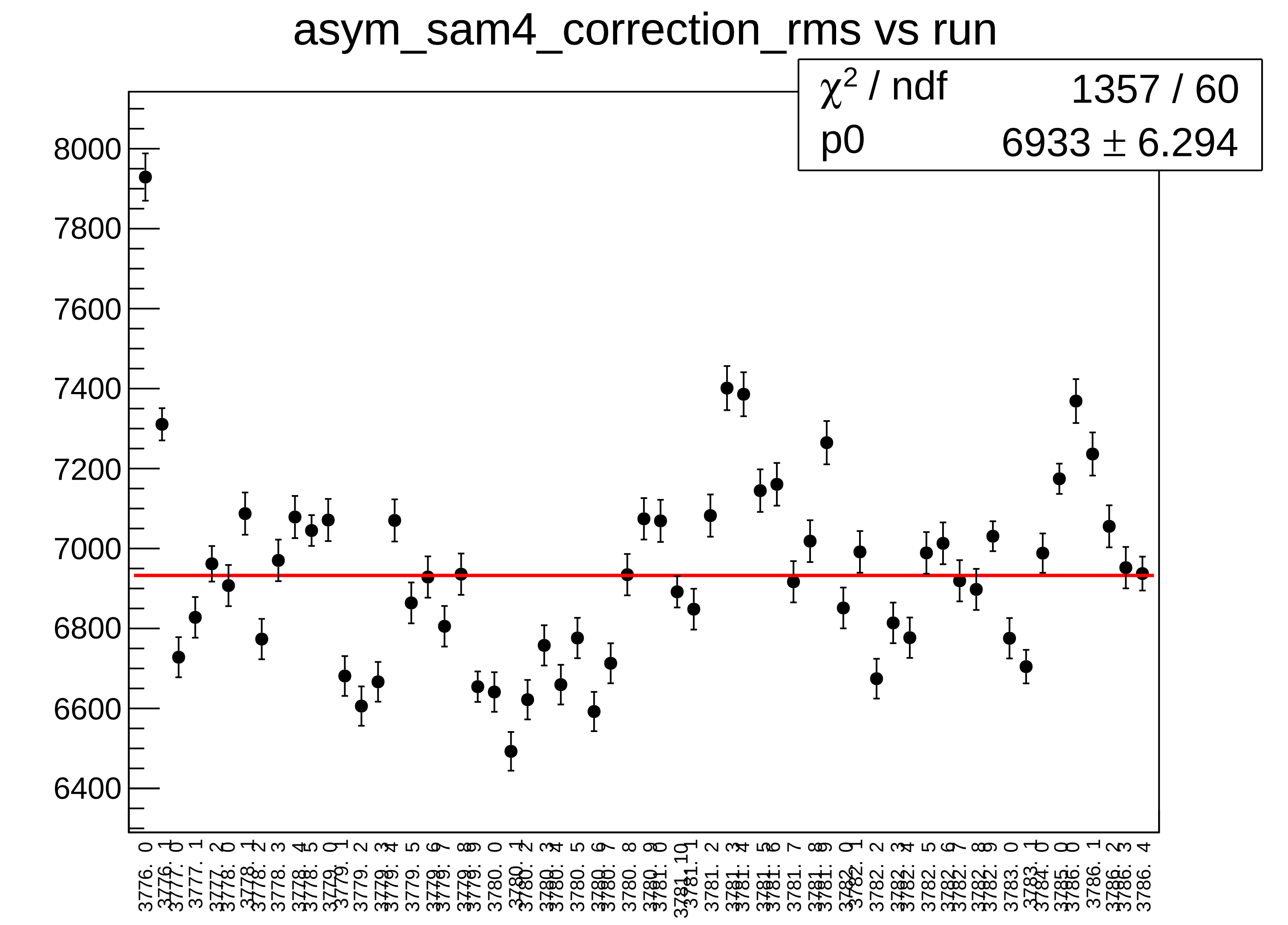
reg_asym_sam4_mean vs run
χ^2 / ndf 50.46 / 60
p0 −2217 ± 1473
pull
Entries 61
Mean 1539
Std Dev 1498
pull1D
Entries 61
Mean 0.001873
Std Dev 0.9095



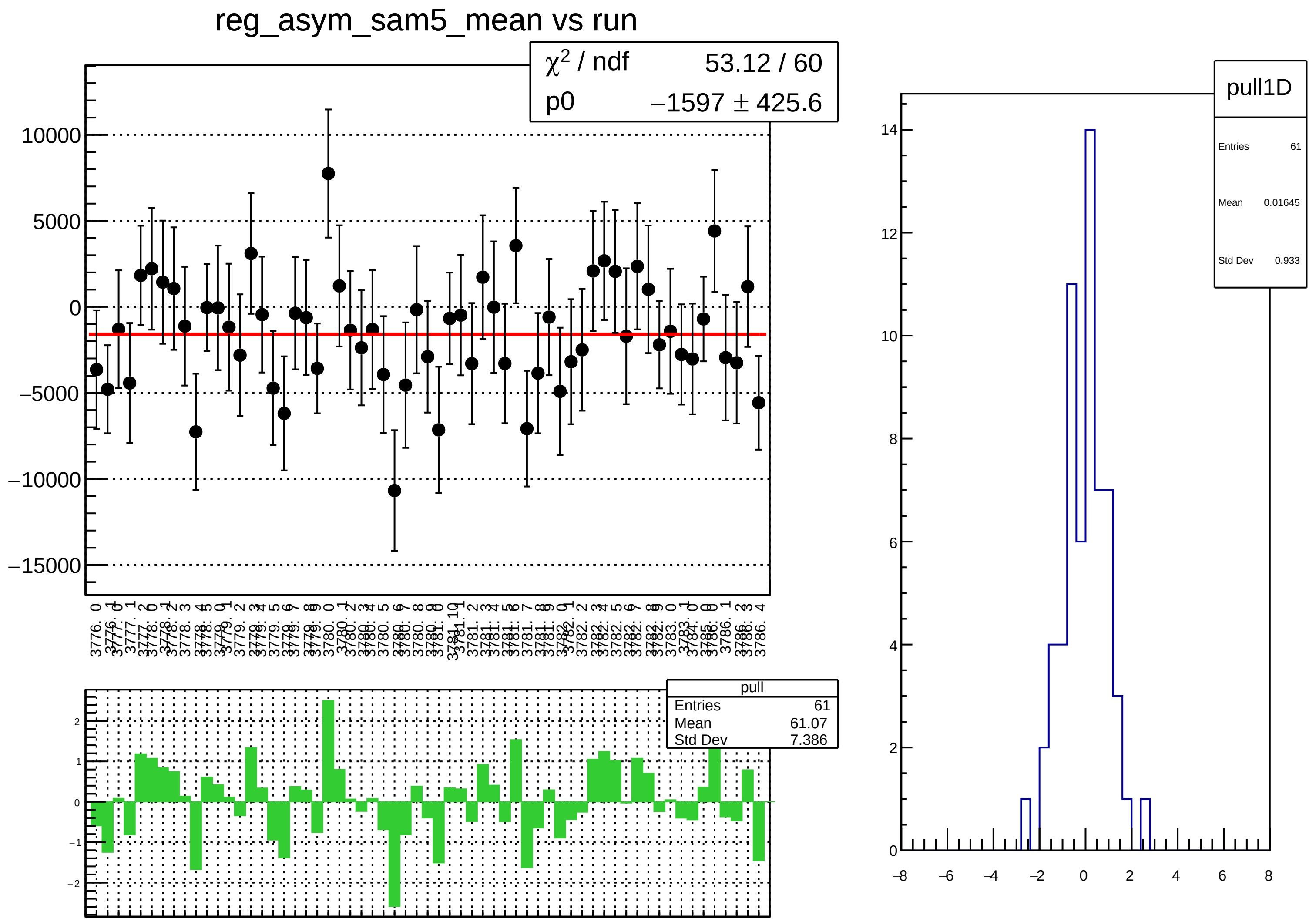
reg_asym_sam4_rms vs run
χ2 / ndf 3198 / 60
p0 1146 ± 1.041
1500
1400
1300
1200
1100

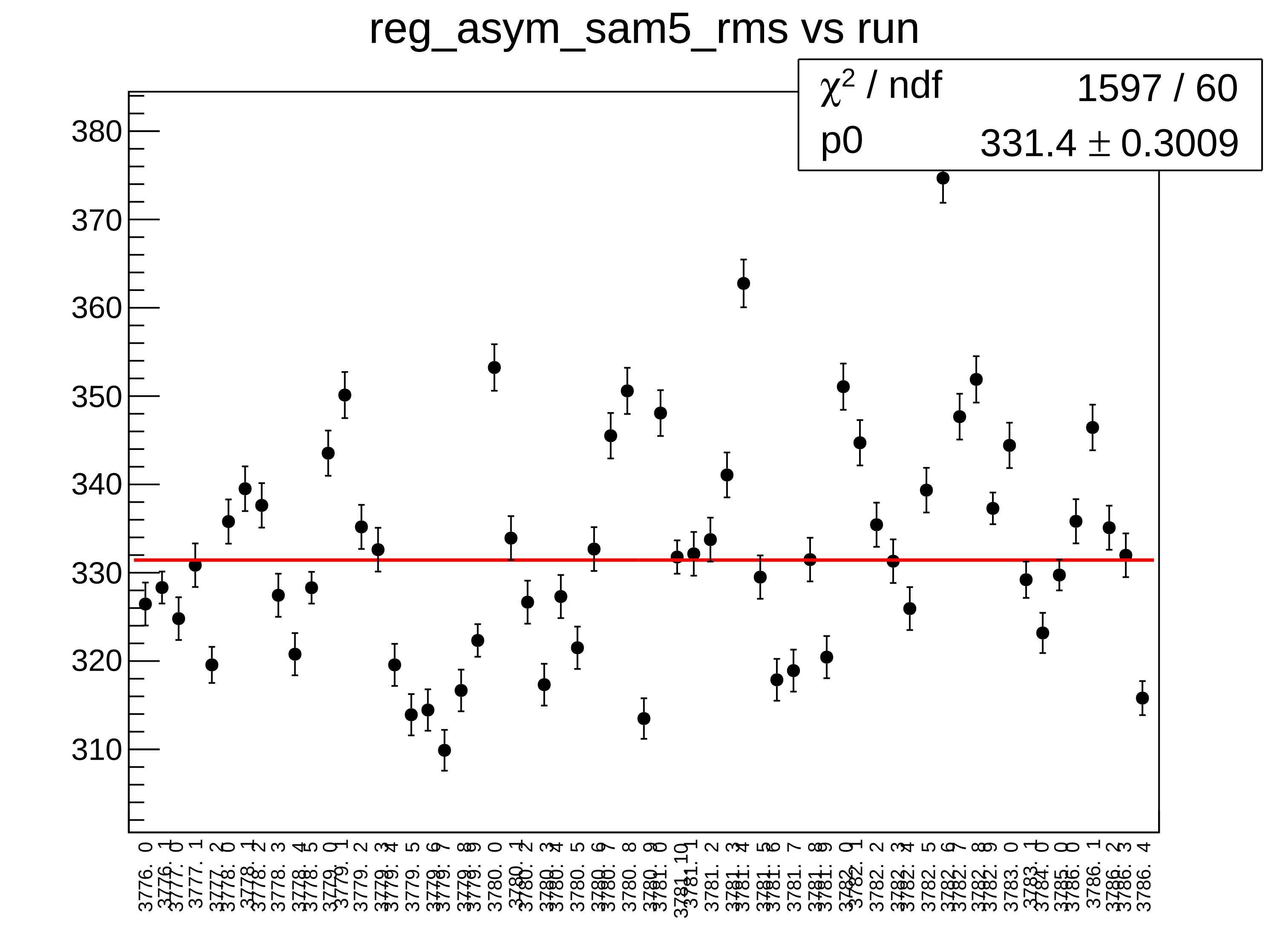


asym_sam4_correction_mean vs run
χ2 / ndf 53.59 / 60
p0 −1080 ± 8901
×10^3
pull
Entries 61
Mean −19.94
Std Dev 15.19
pull1D
Entries 61
Mean −0.01187
Std Dev 0.9372

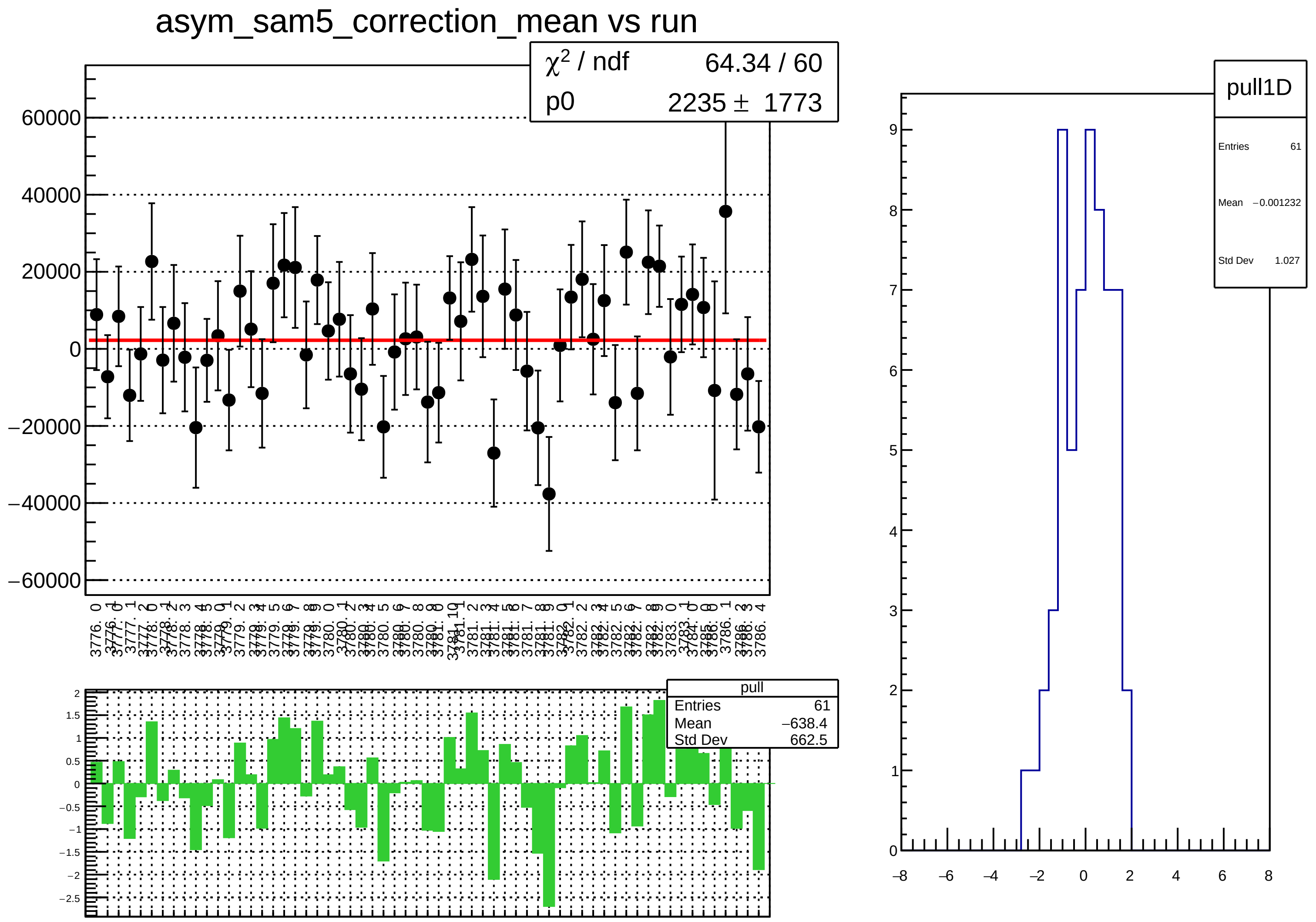


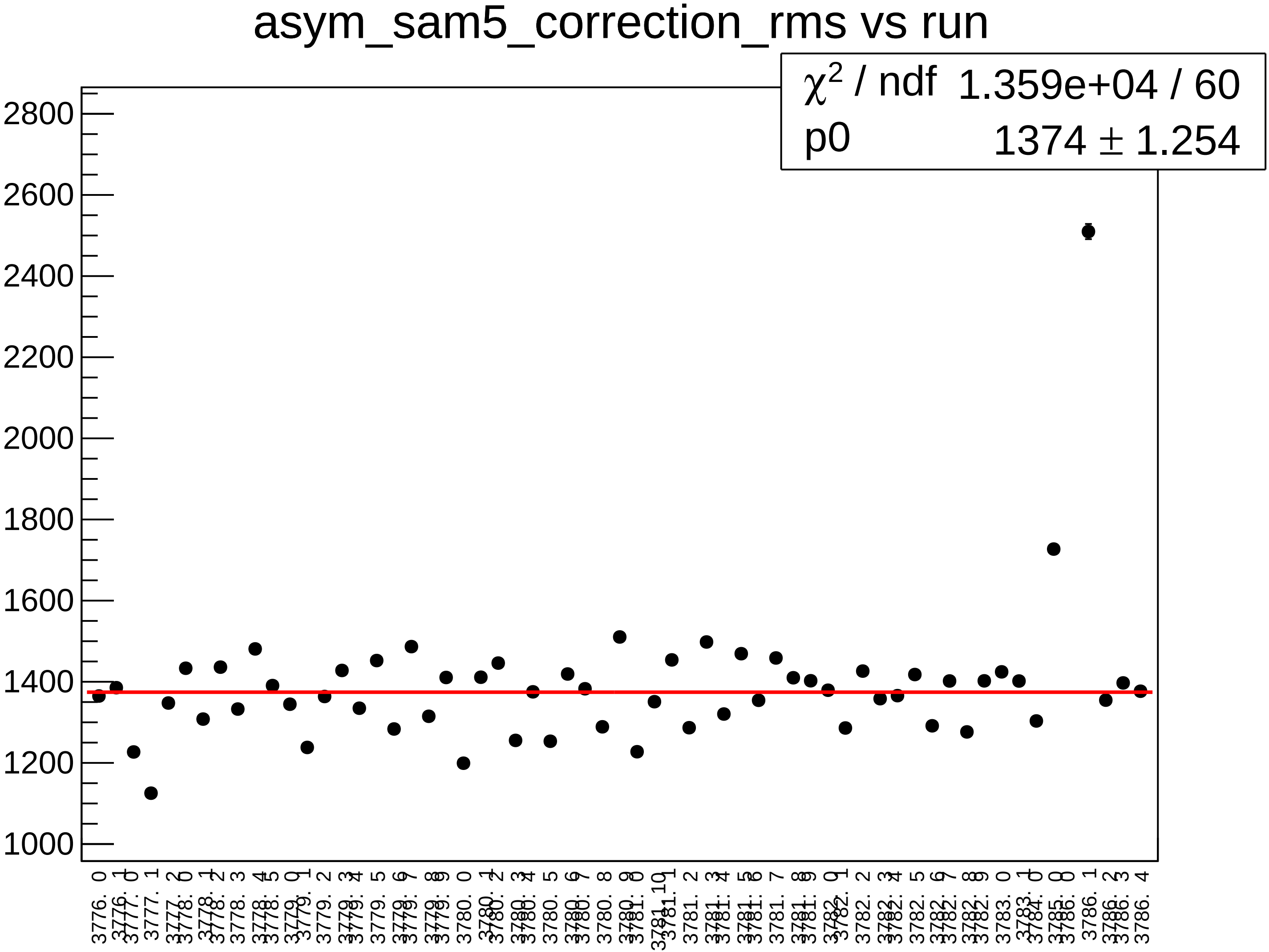
asym_sam4_correction_rms vs run
χ2 / ndf 1357 / 60
p0 6933 ± 6.294
8000
7800
7600
7400
7200
7000
6800
6600
6400

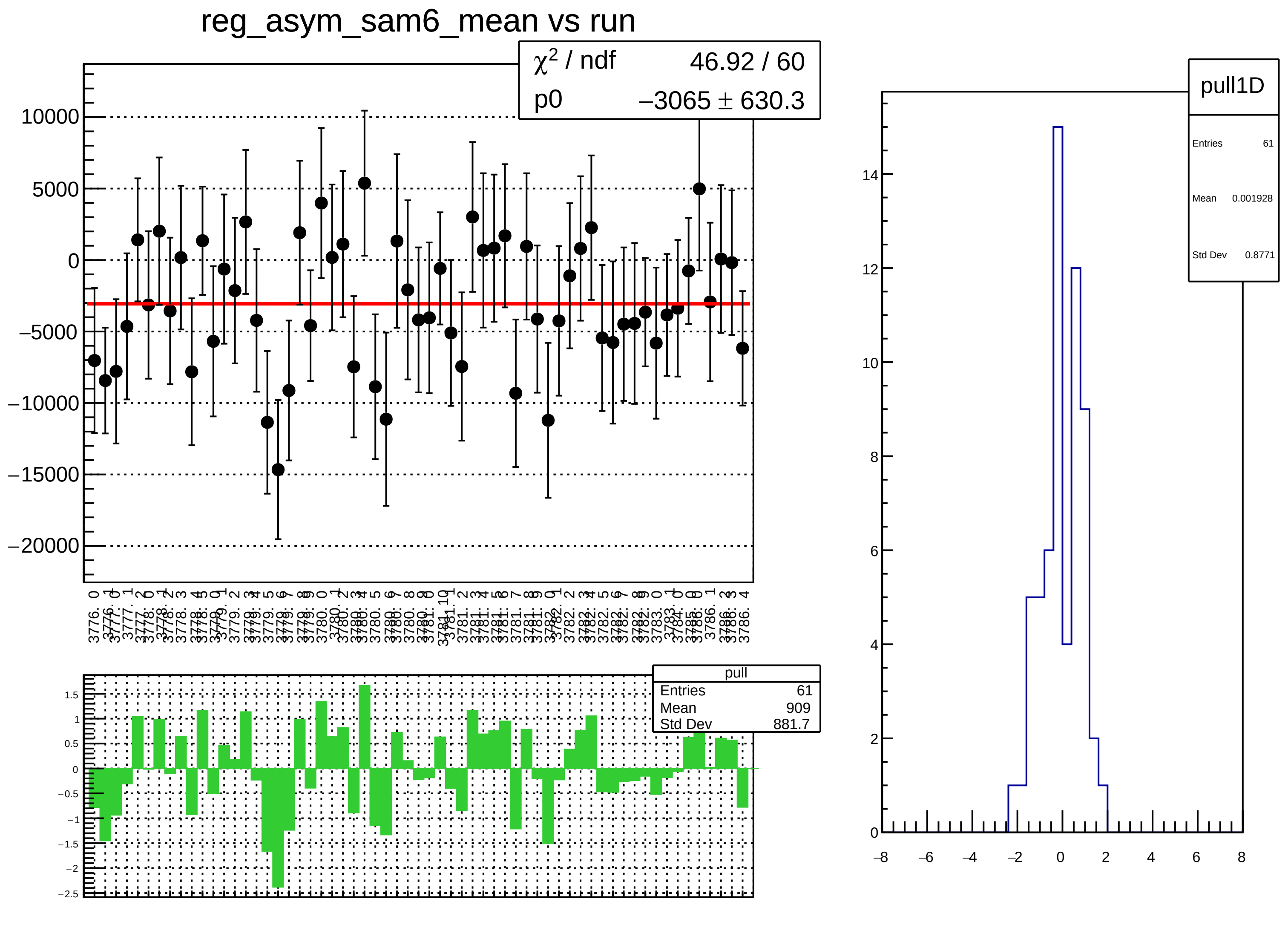

reg_asym_sam5_mean vs run
χ^2 / ndf 53.12 / 60
p0 −1597 ± 425.6
pull
Entries 61
Mean 61.07
Std Dev 7.386
pull1D
Entries 61
Mean 0.01645
Std Dev 0.933

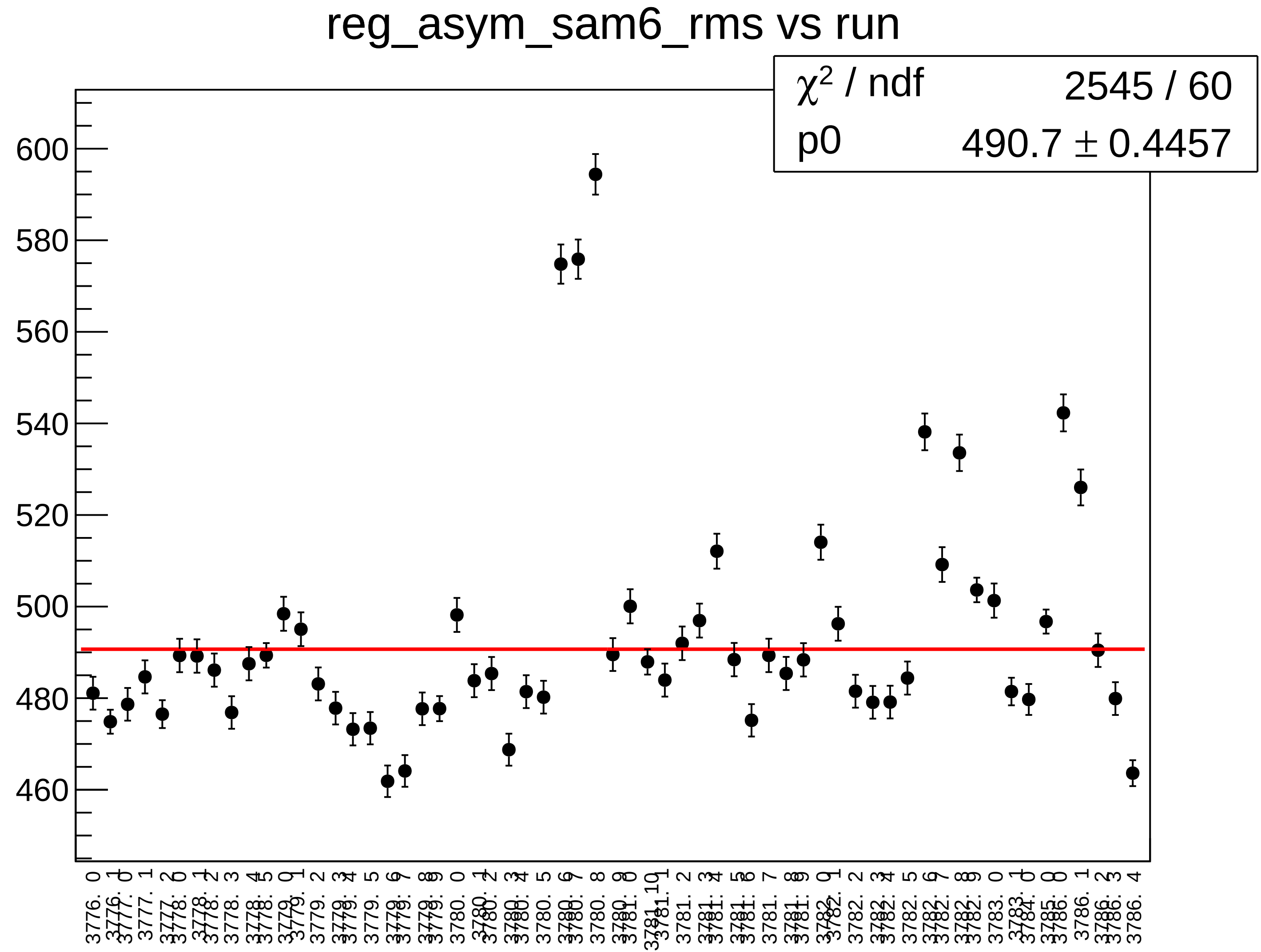


reg_asym_sam5_rms vs run
χ2 / ndf 1597 / 60
p0 331.4 ± 0.3009
380
370
360
350
340
330
320
310

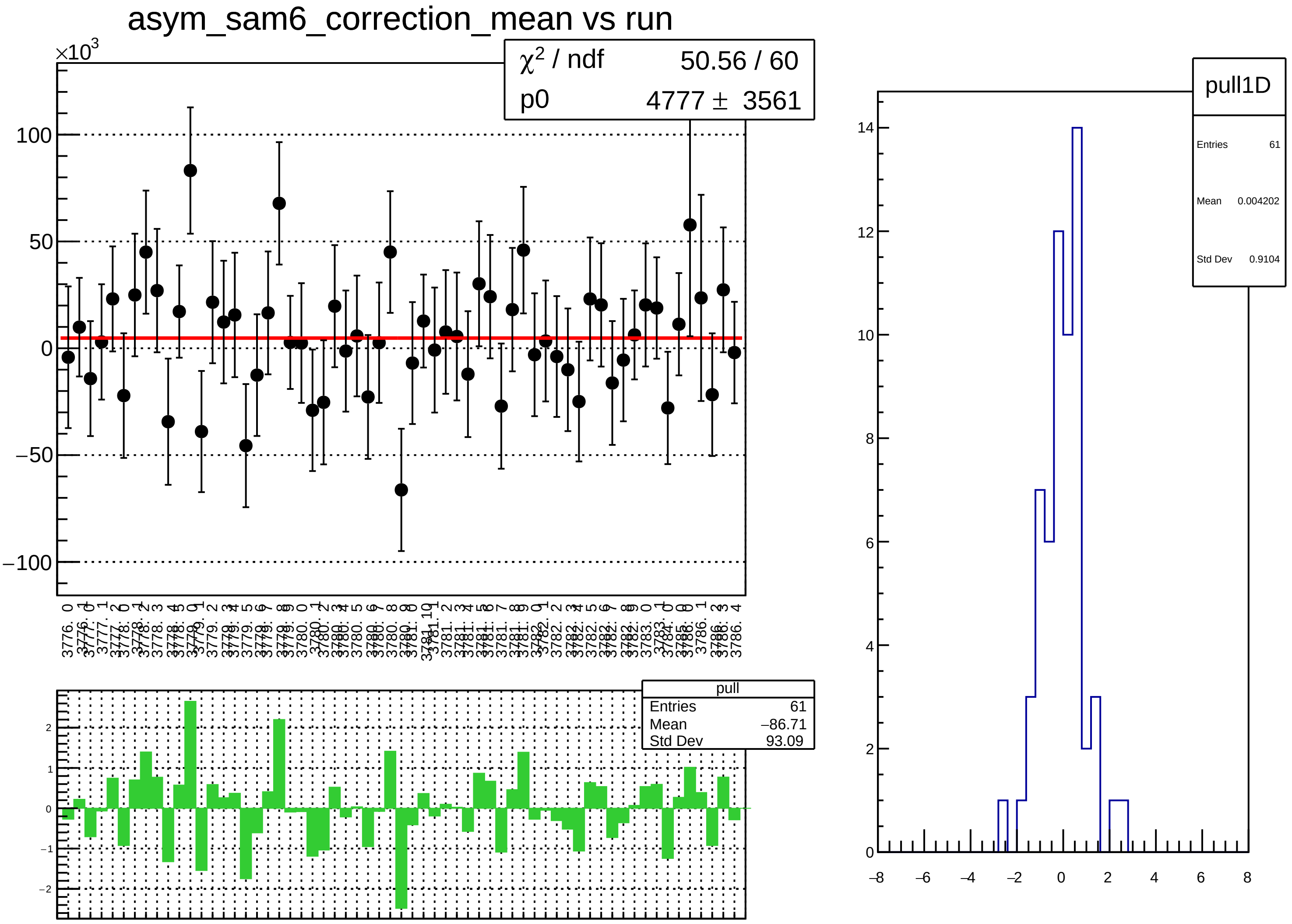

asym_sam5_correction_mean vs run
χ^2 / ndf 64.34 / 60
p0 2235 ± 1773
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 61
Mean −638.4
Std Dev 662.5
pull1D
Entries 61
Mean −0.001232
Std Dev 1.027


asym_sam5_correction_rms vs run
χ^2 / ndf 1.359e+04 / 60
p0 1374 ± 1.254
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000

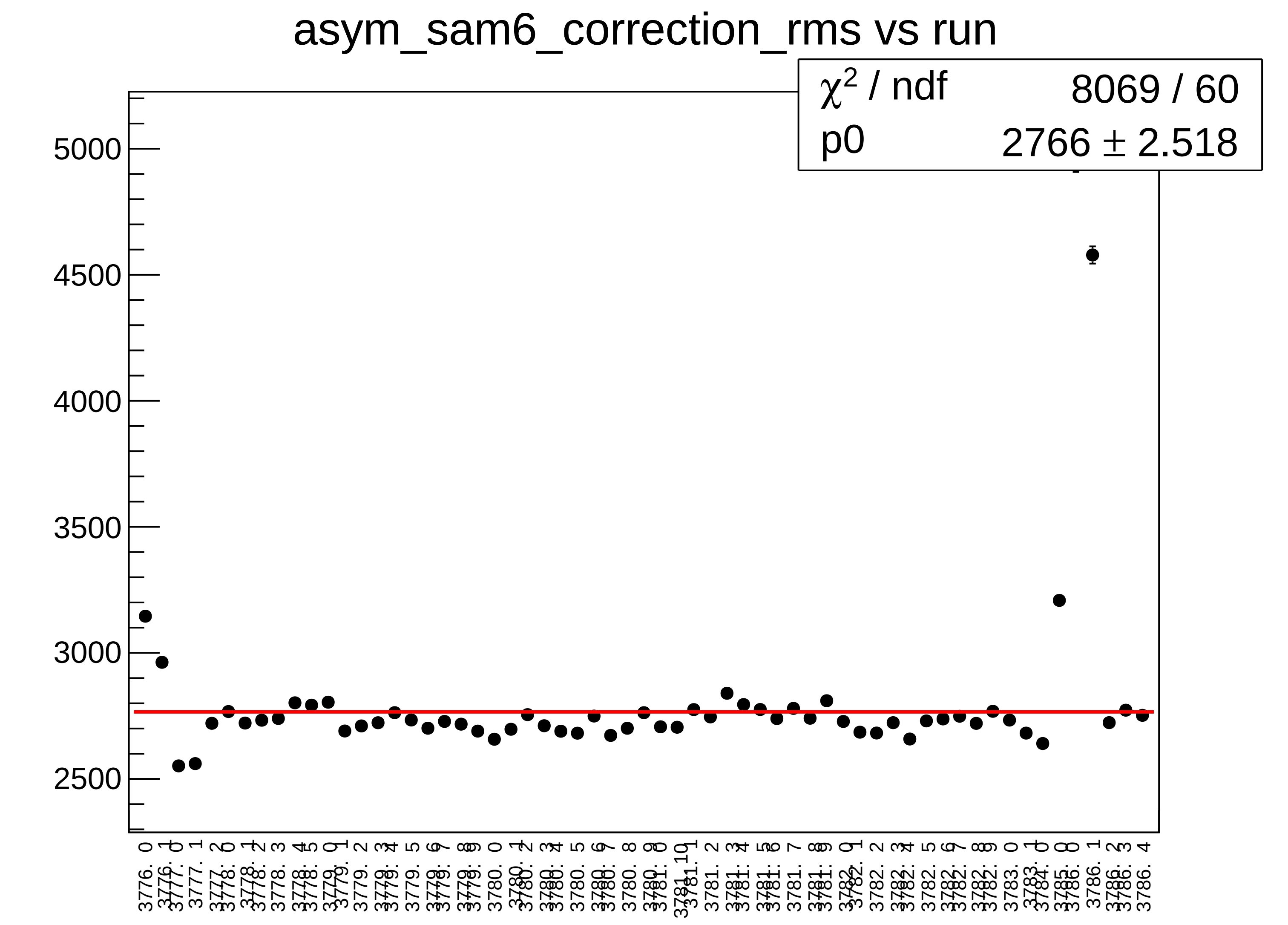

reg_asym_sam6_mean vs run
χ² / ndf 46.92 / 60
p0 −3065 ± 630.3
pull
Entries 61
Mean 909
Std Dev 881.7
pull1D
Entries 61
Mean 0.001928
Std Dev 0.8771

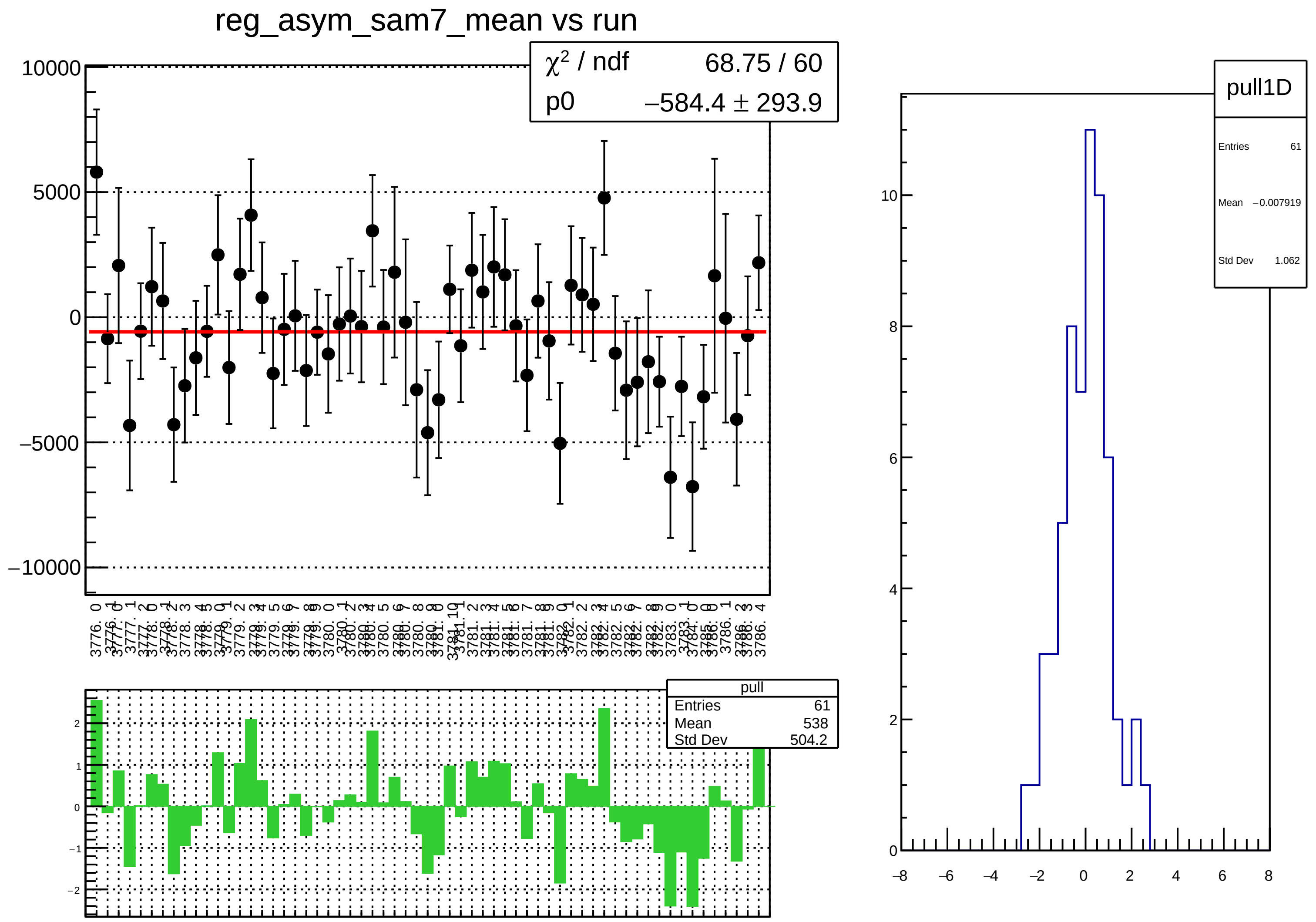


reg_asym_sam6_rms vs run
χ2 / ndf 2545 / 60
p0 490.7 ± 0.4457
600
580
560
540
520
500
480
460

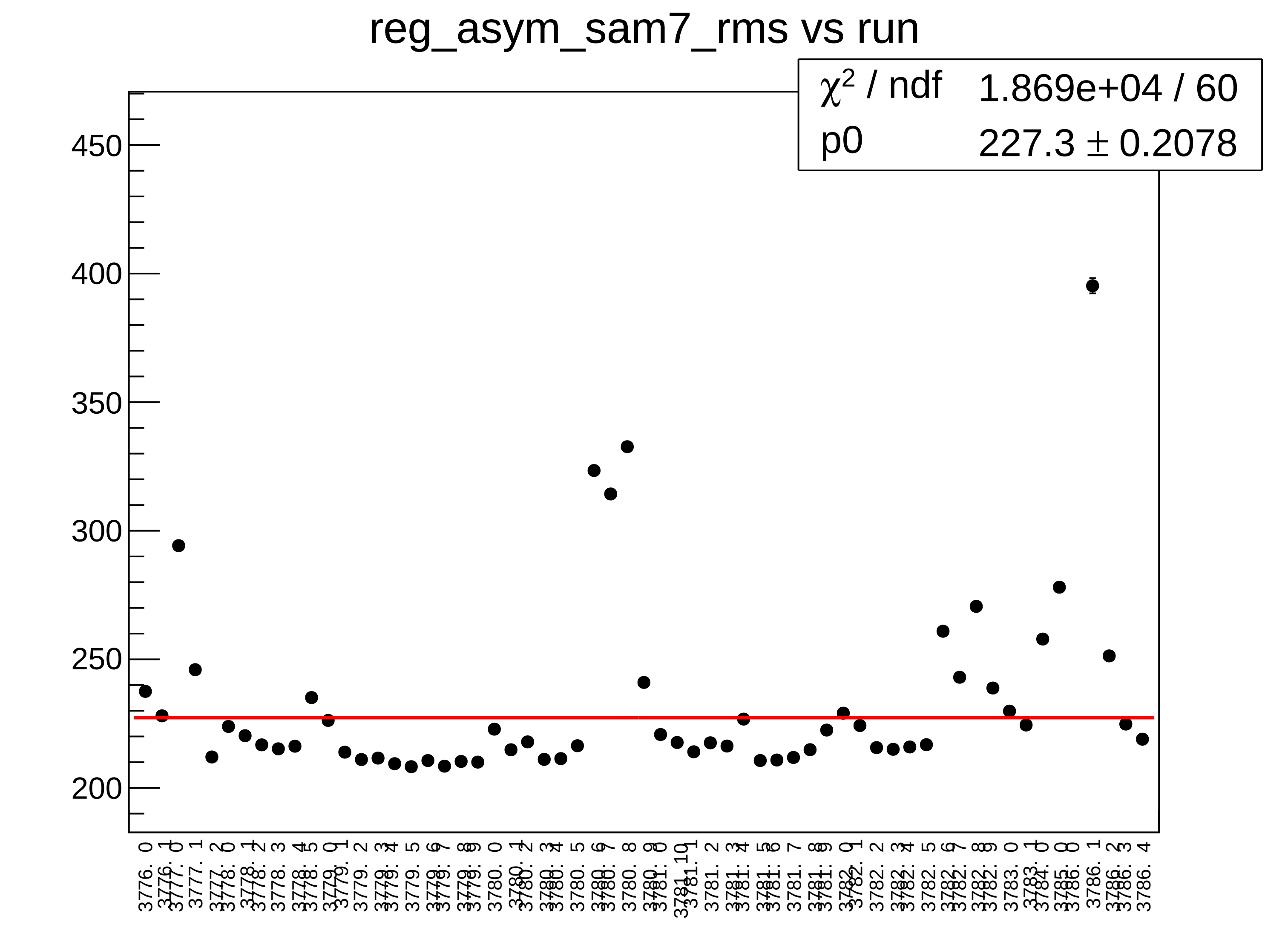


asym_sam6_correction_mean vs run
$\times 10^3$
χ^2 / ndf 50.56 / 60
p0 4777 ± 3561
pull
Entries 61
Mean −86.71
Std Dev 93.09
pull1D
Entries 61
Mean 0.004202
Std Dev 0.9104

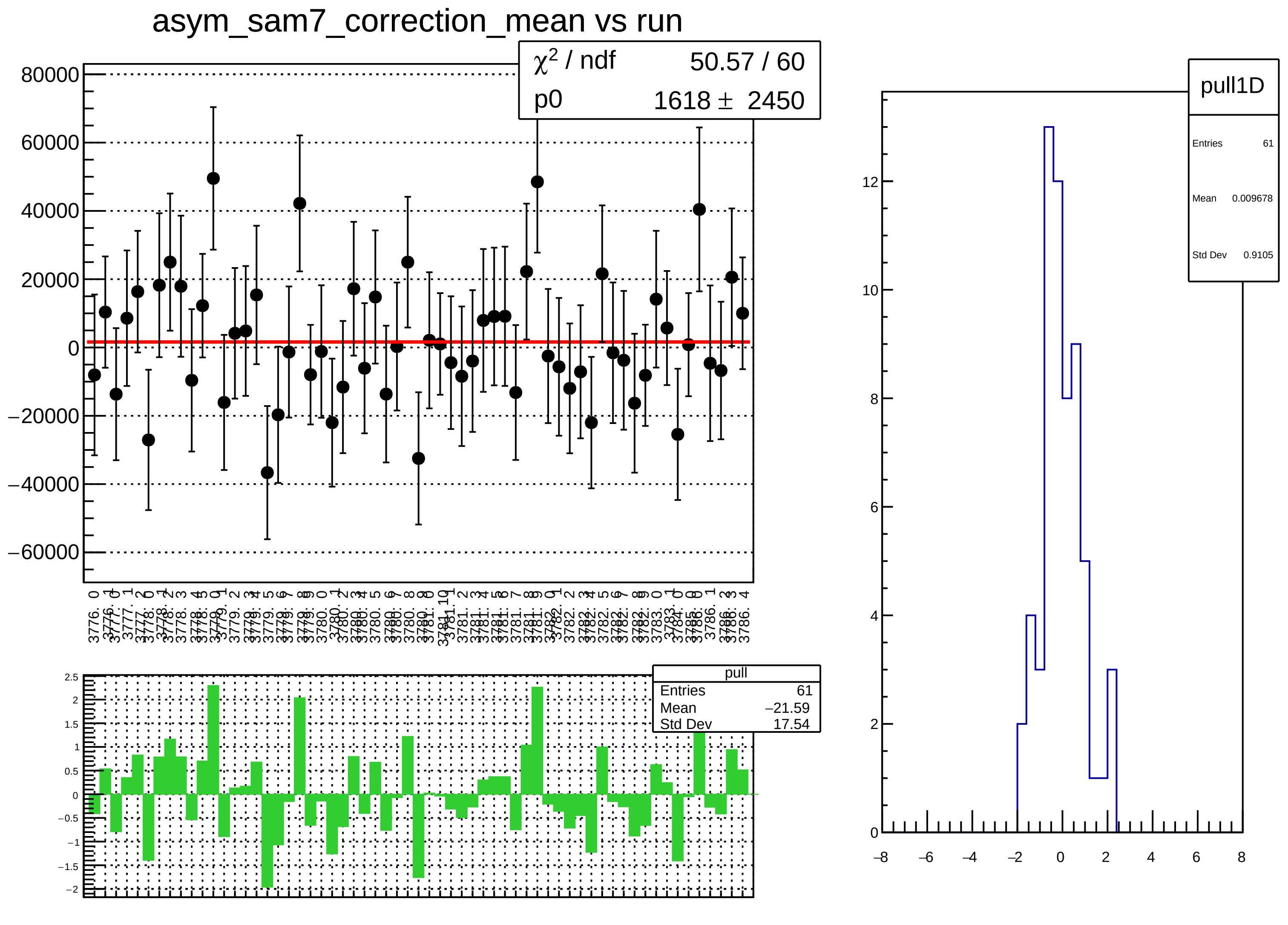

asym_sam6_correction_rms vs run
χ2 / ndf 8069 / 60
p0 2766 ± 2.518
5000
4500
4000
3500
3000
2500



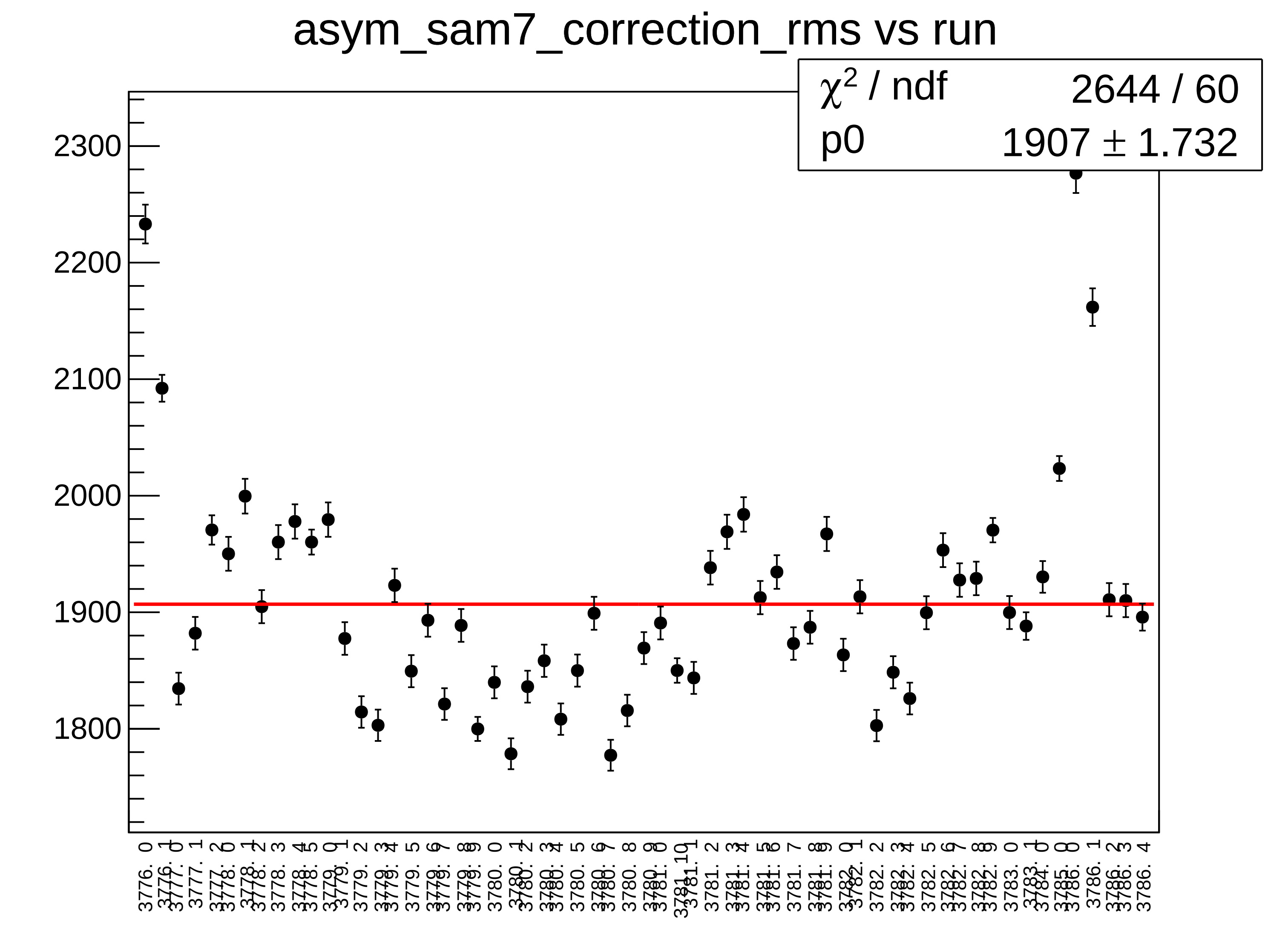
reg_asym_sam7_mean vs run
χ^2 / ndf 68.75 / 60
p0 −584.4 ± 293.9
10000
5000
0
−5000
−10000
pull
Entries 61
Mean 538
Std Dev 504.2
2
1
0
−1
−2
pull1D
Entries 61
Mean −0.007919
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

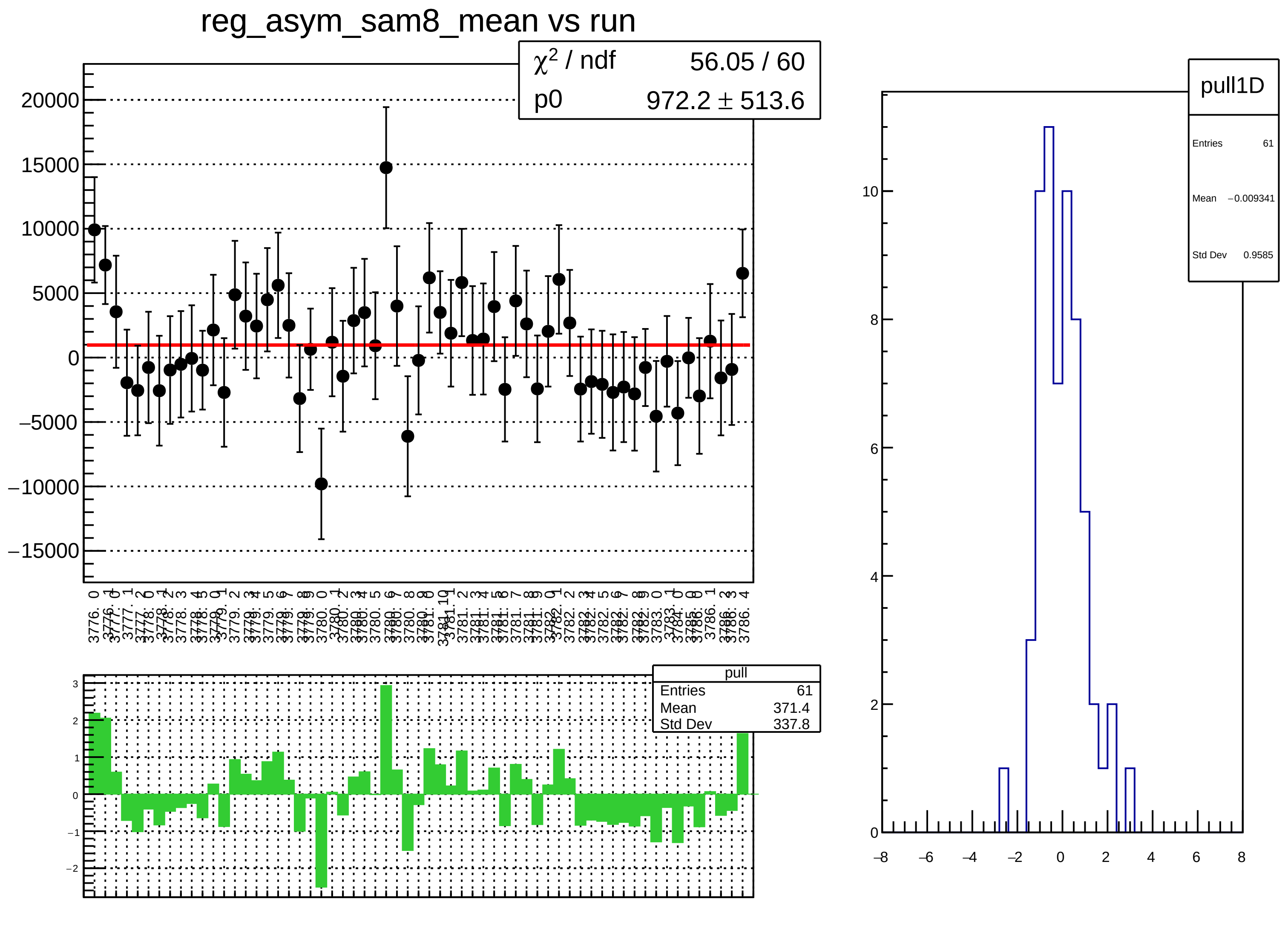


reg_asym_sam7_rms vs run
χ^2 / ndf 1.869e+04 / 60
p0 227.3 ± 0.2078
450
400
350
300
250
200

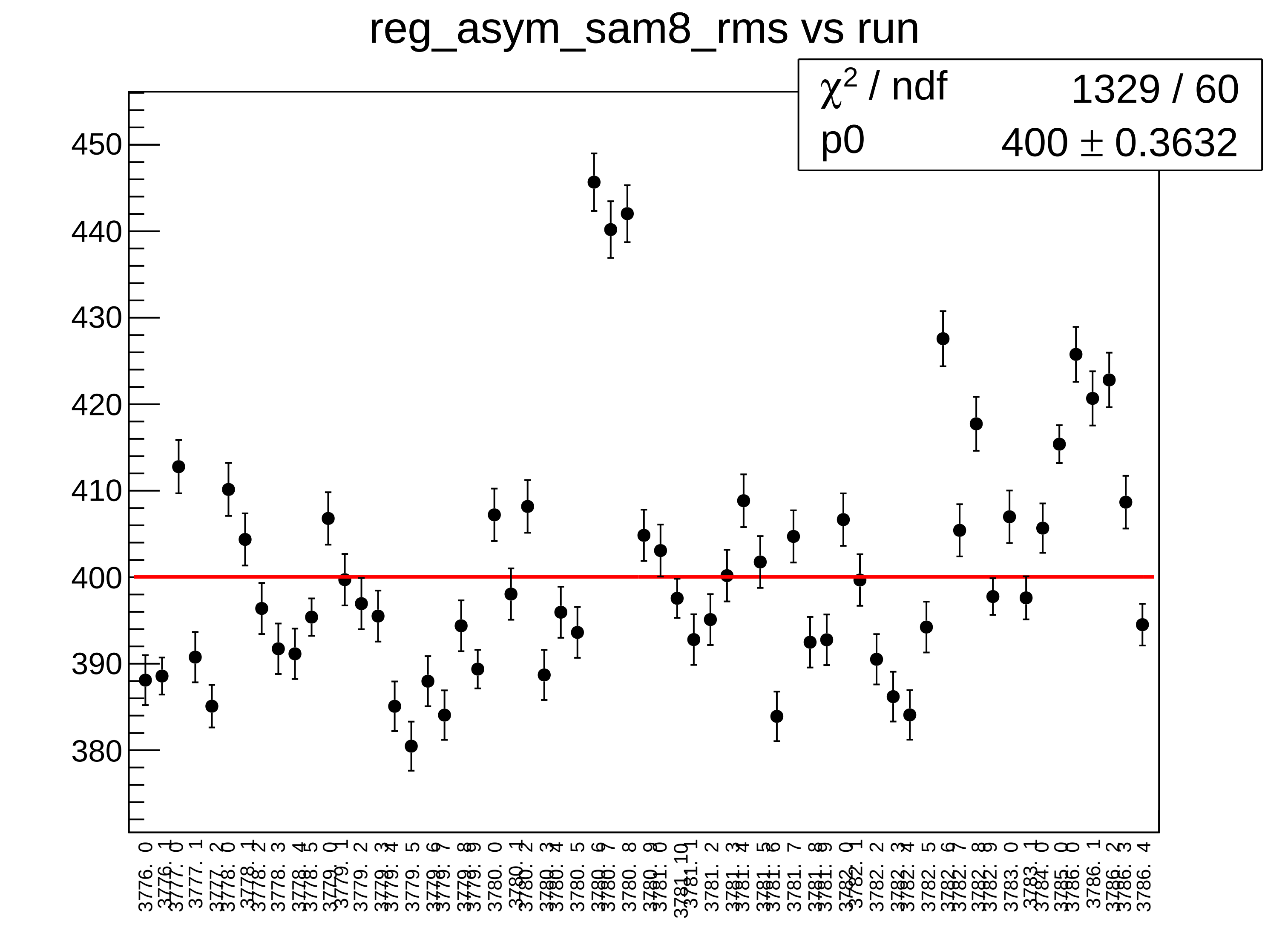


asym_sam7_correction_mean vs run
χ2 / ndf 50.57 / 60
p0 1618 ± 2450
pull
Entries 61
Mean −21.59
Std Dev 17.54
pull1D
Entries 61
Mean 0.009678
Std Dev 0.9105

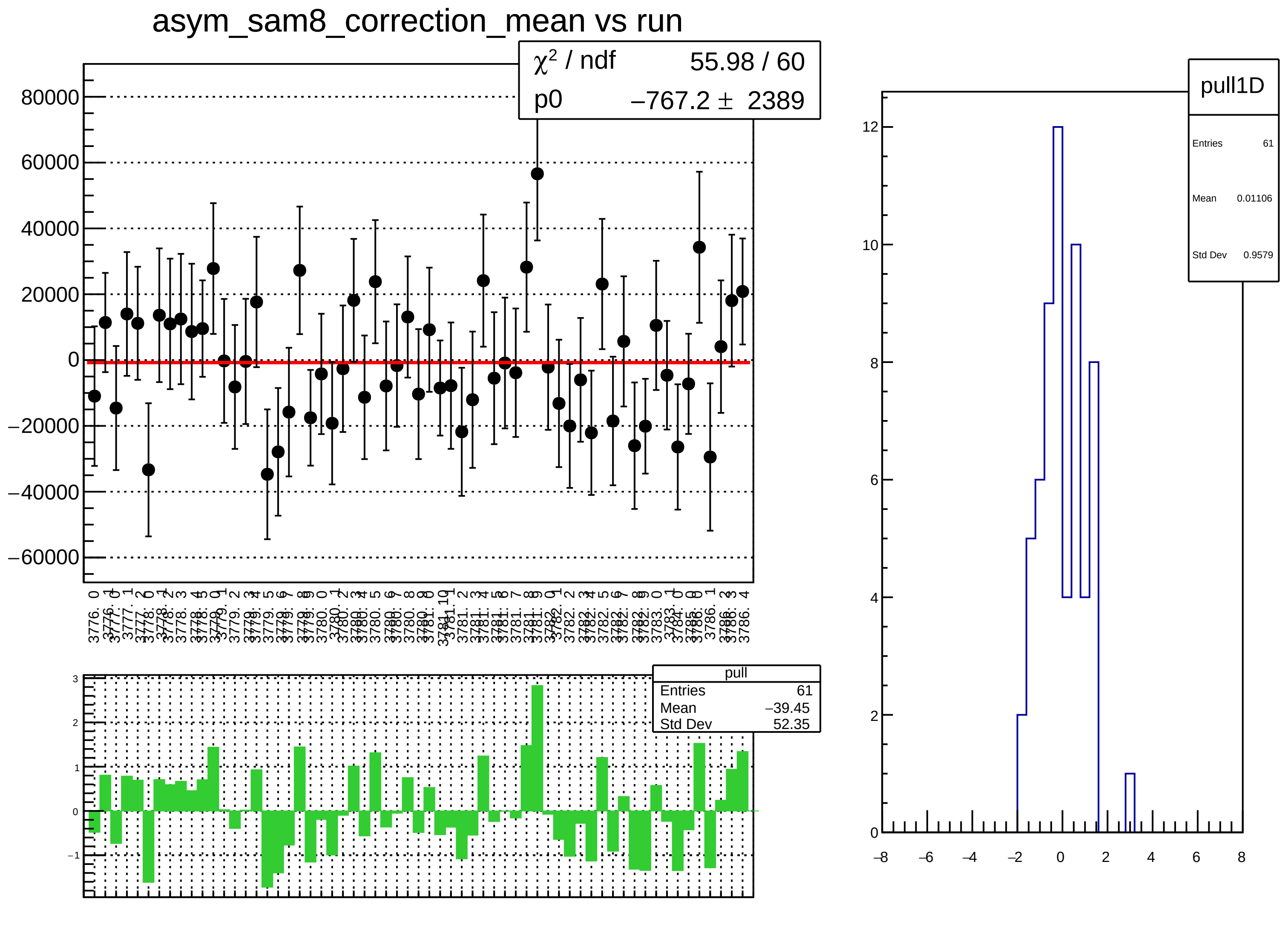

asym_sam7_correction_rms vs run
χ^2 / ndf 2644 / 60
p0 1907 ± 1.732
2300
2200
2100
2000
1900
1800

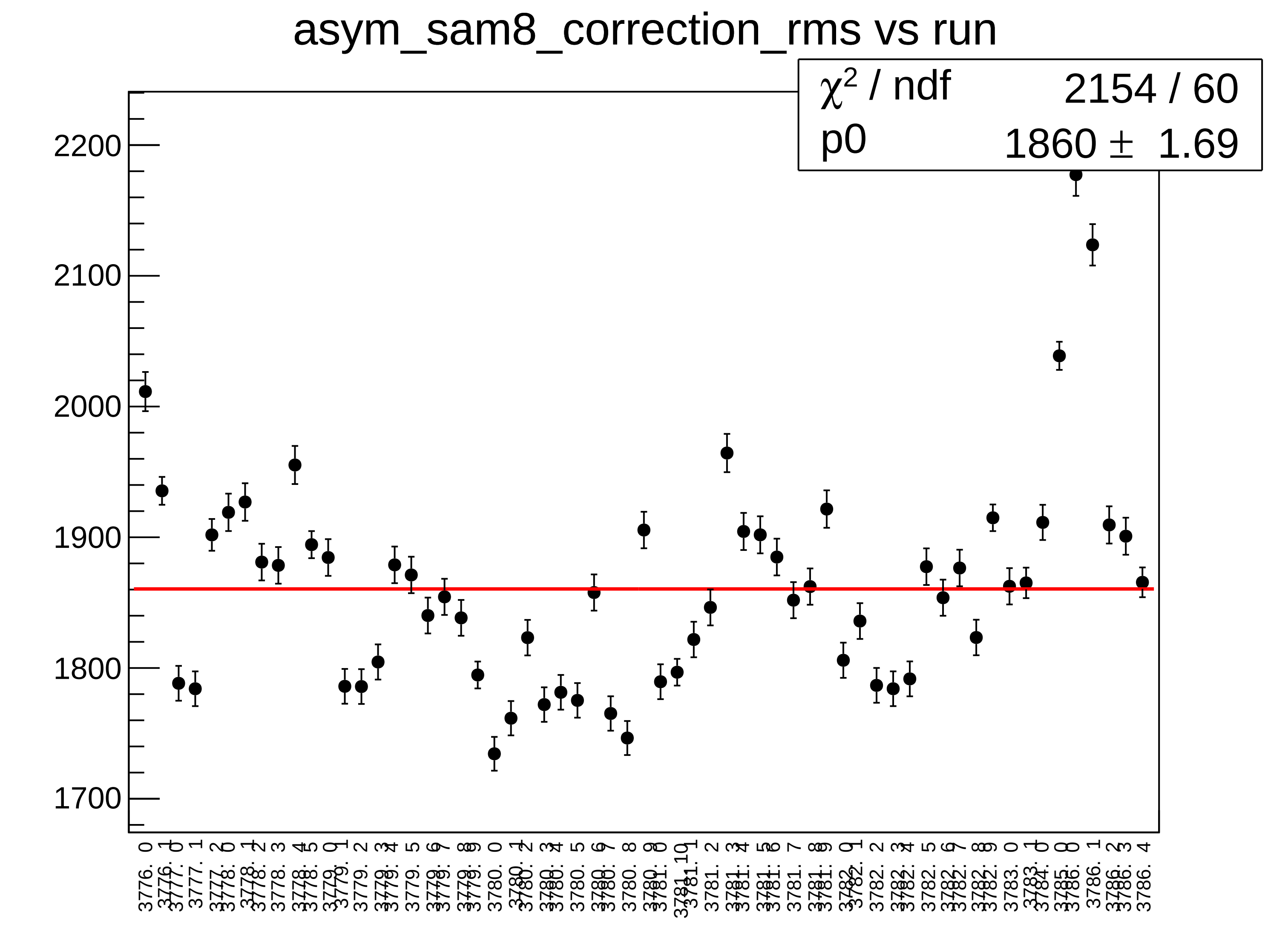


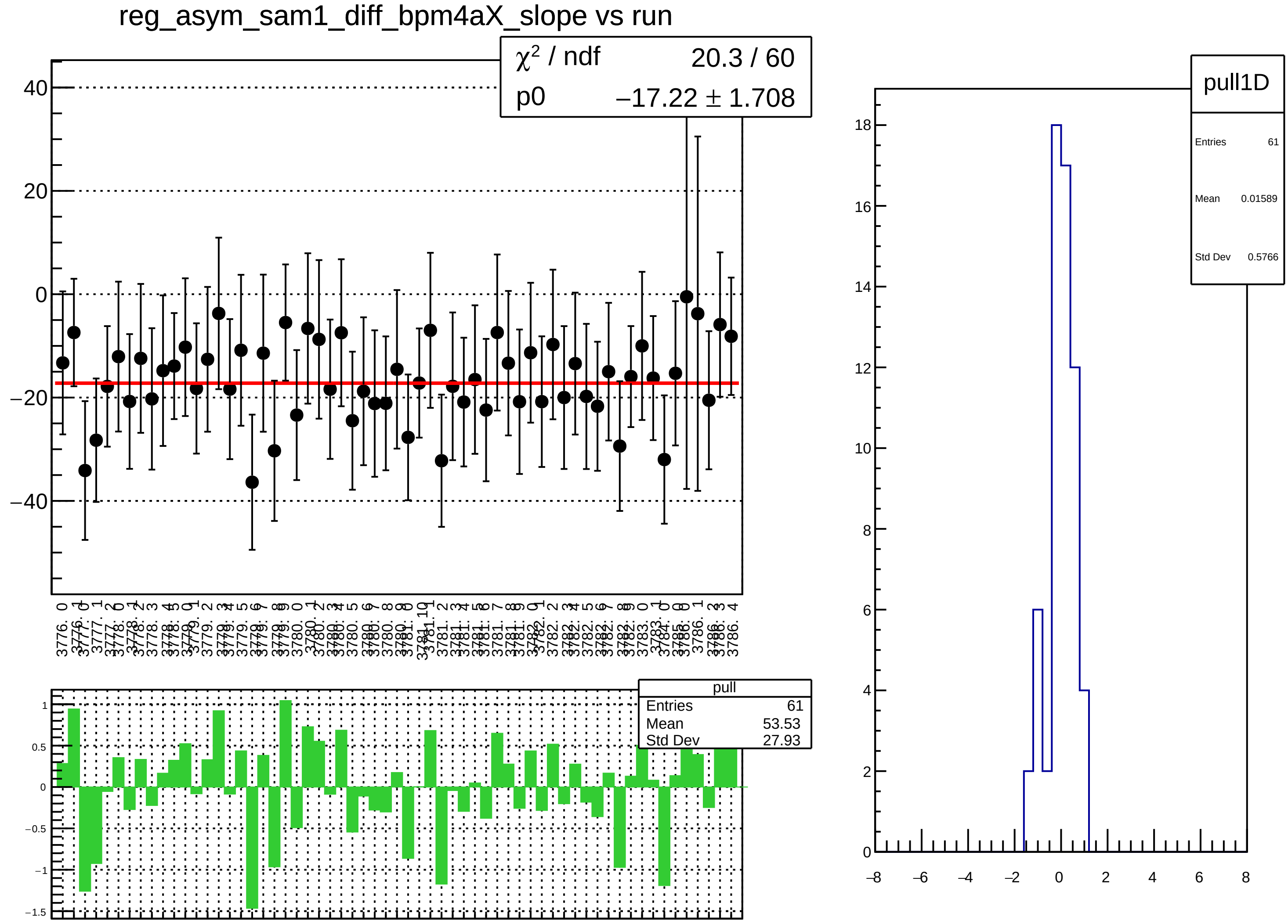
reg_asym_sam8_mean vs run
χ^2 / ndf 56.05 / 60
p0 972.2 ± 513.6
pull
Entries 61
Mean 371.4
Std Dev 337.8
pull1D
Entries 61
Mean −0.009341
Std Dev 0.9585

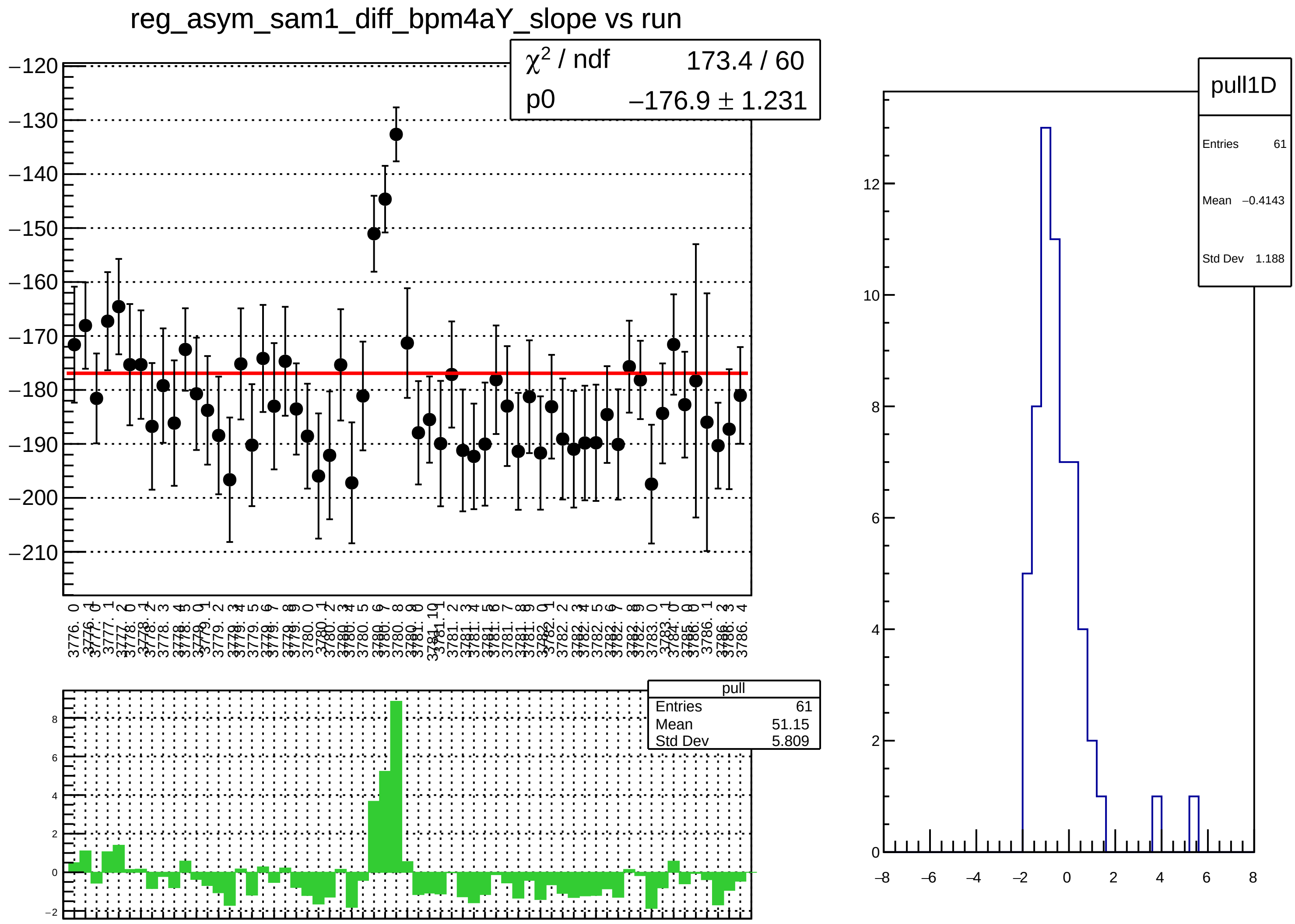


reg_asym_sam8_rms vs run
χ^2 / ndf 1329 / 60
p0 400 ± 0.3632
450
440
430
420
410
400
390
380

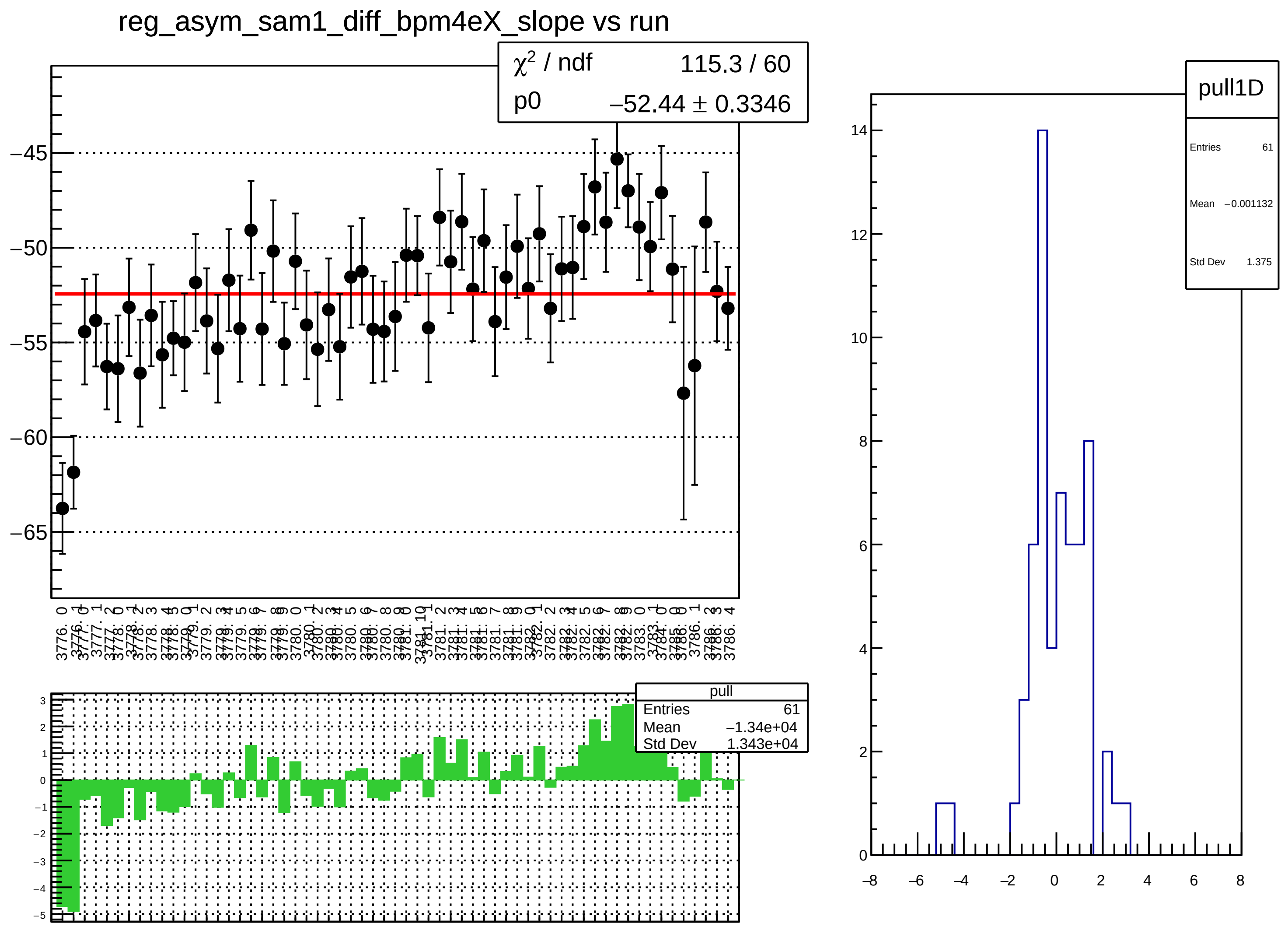

asym_sam8_correction_mean vs run
χ^2 / ndf 55.98 / 60
p0 −767.2 ± 2389
pull
Entries 61
Mean −39.45
Std Dev 52.35
pull1D
Entries 61
Mean 0.01106
Std Dev 0.9579


asym_sam8_correction_rms vs run
χ^2 / ndf 2154 / 60
p0 1860 ± 1.69

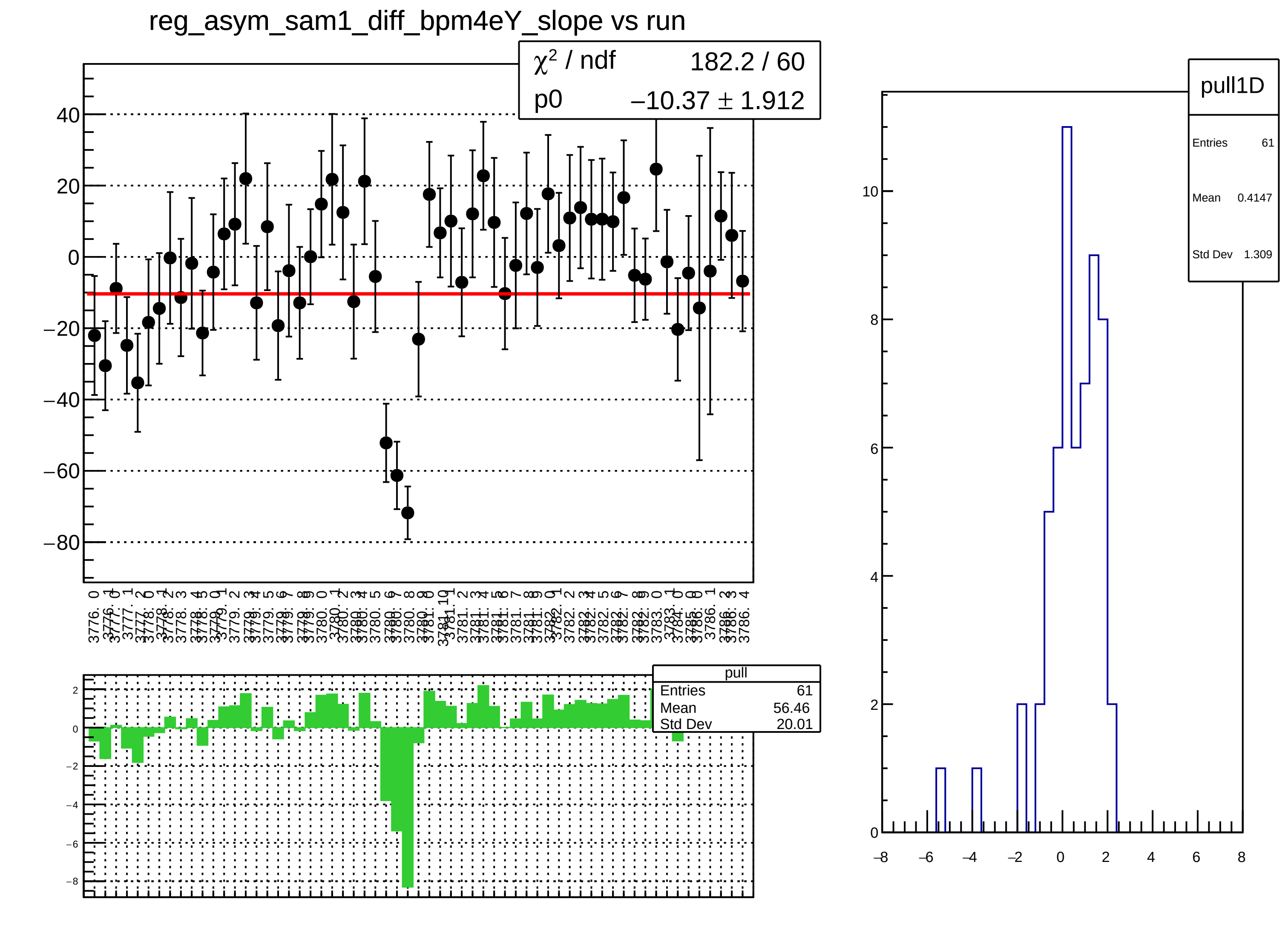

reg_asym_sam1_diff_bpm4aX_slope vs run
χ2 / ndf 20.3 / 60
p0 −17.22 ± 1.708
pull
Entries 61
Mean 53.53
Std Dev 27.93
pull1D
Entries 61
Mean 0.01589
Std Dev 0.5766

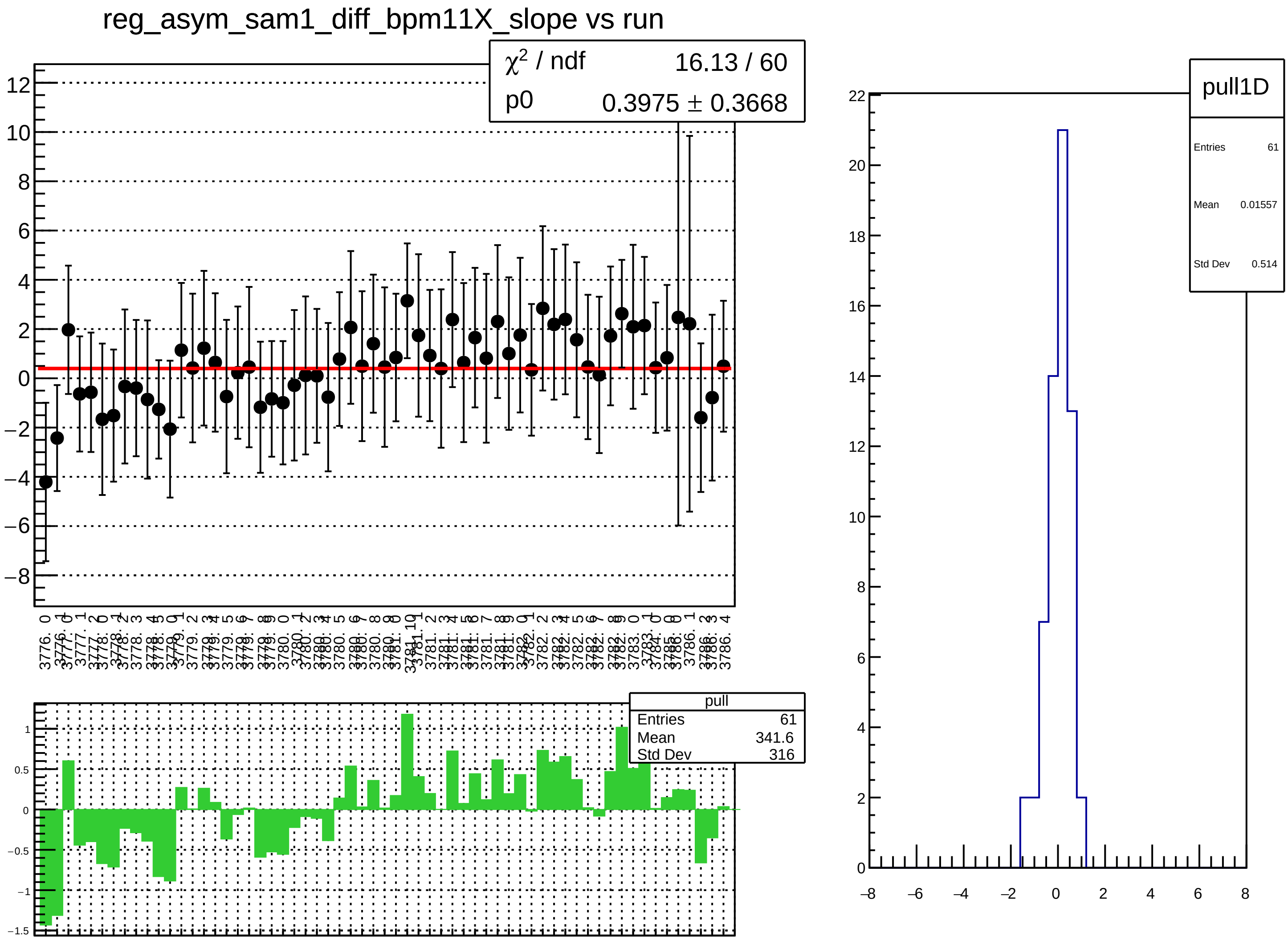


reg_asym_sam1_diff_bpm4aY_slope vs run
χ2 / ndf 173.4 / 60
p0 −176.9 ± 1.231
−120
−130
−140
−150
−160
−170
−180
−190
−200
−210
pull
Entries 61
Mean 51.15
Std Dev 5.809
pull1D
Entries 61
Mean −0.4143
Std Dev 1.188
0
2
4
6
8
10
12
−8
−6
−4
−2
0
2
4
6
8

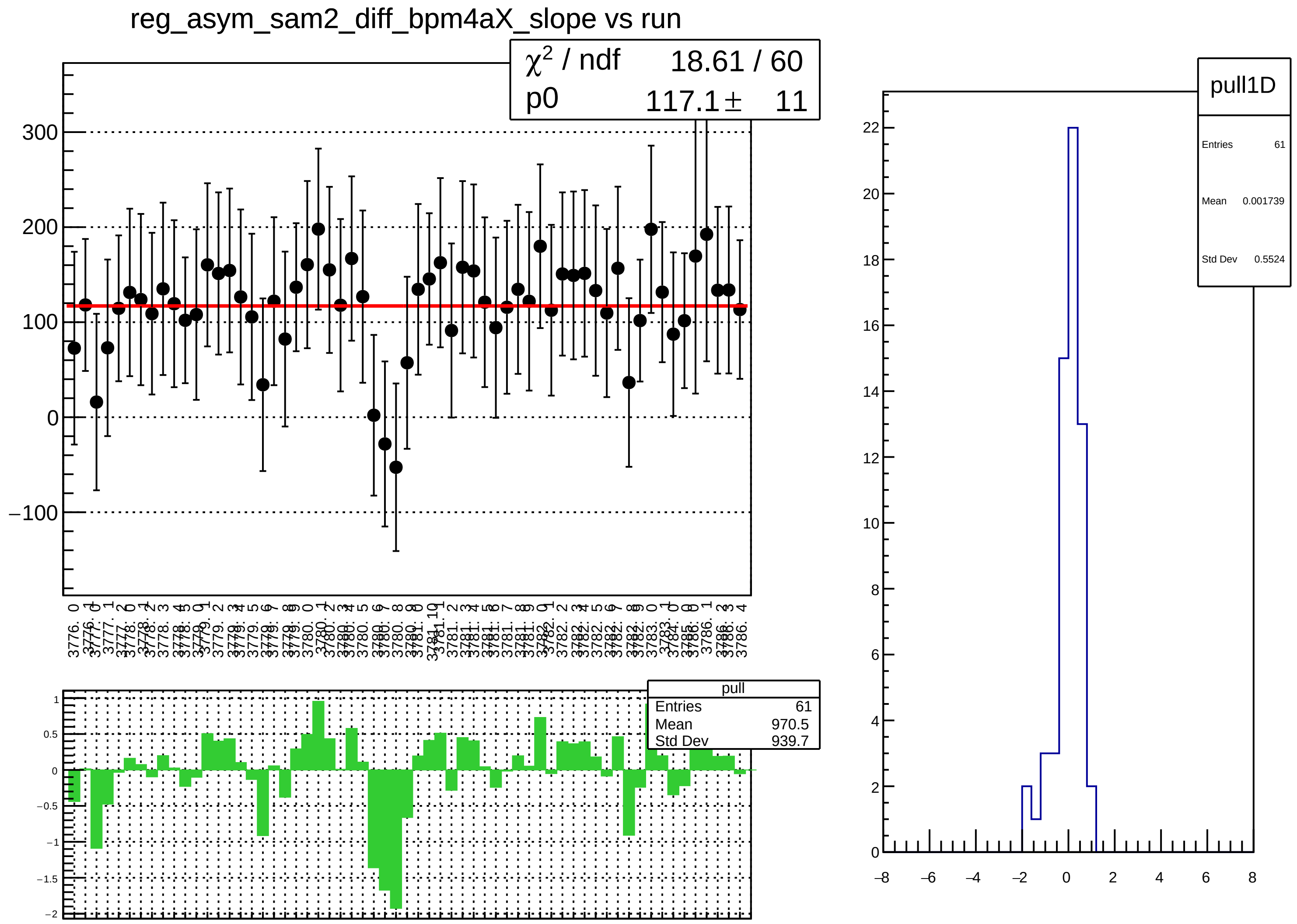


reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 115.3 / 60
p0 −52.44 ± 0.3346
pull
Entries 61
Mean −1.34e+04
Std Dev 1.343e+04
pull1D
Entries 61
Mean −0.001132
Std Dev 1.375

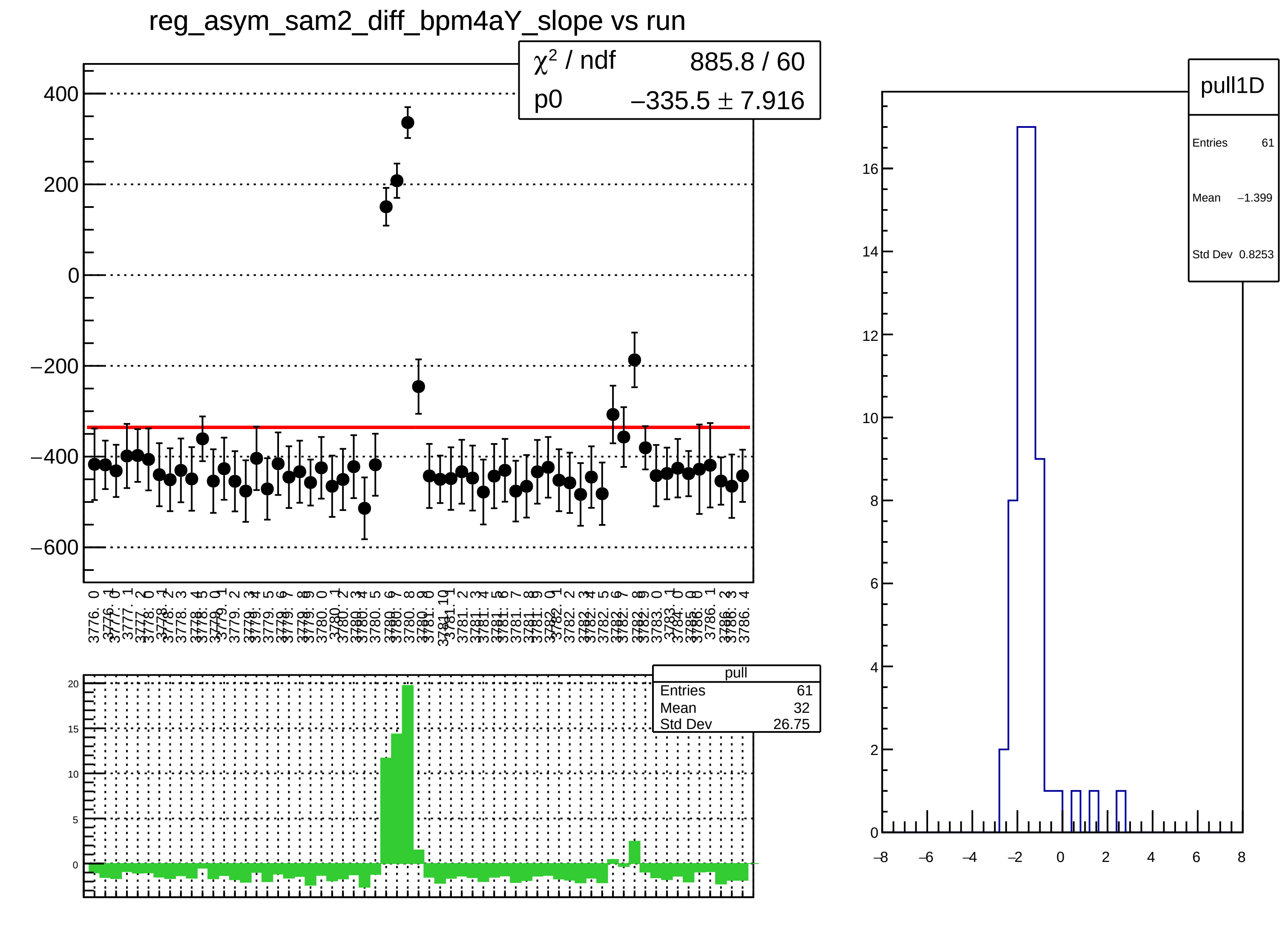

reg_asym_sam1_diff_bpm4eY_slope vs run
χ2 / ndf 182.2 / 60
p0 −10.37 ± 1.912
pull
Entries 61
Mean 56.46
Std Dev 20.01
pull1D
Entries 61
Mean 0.4147
Std Dev 1.309



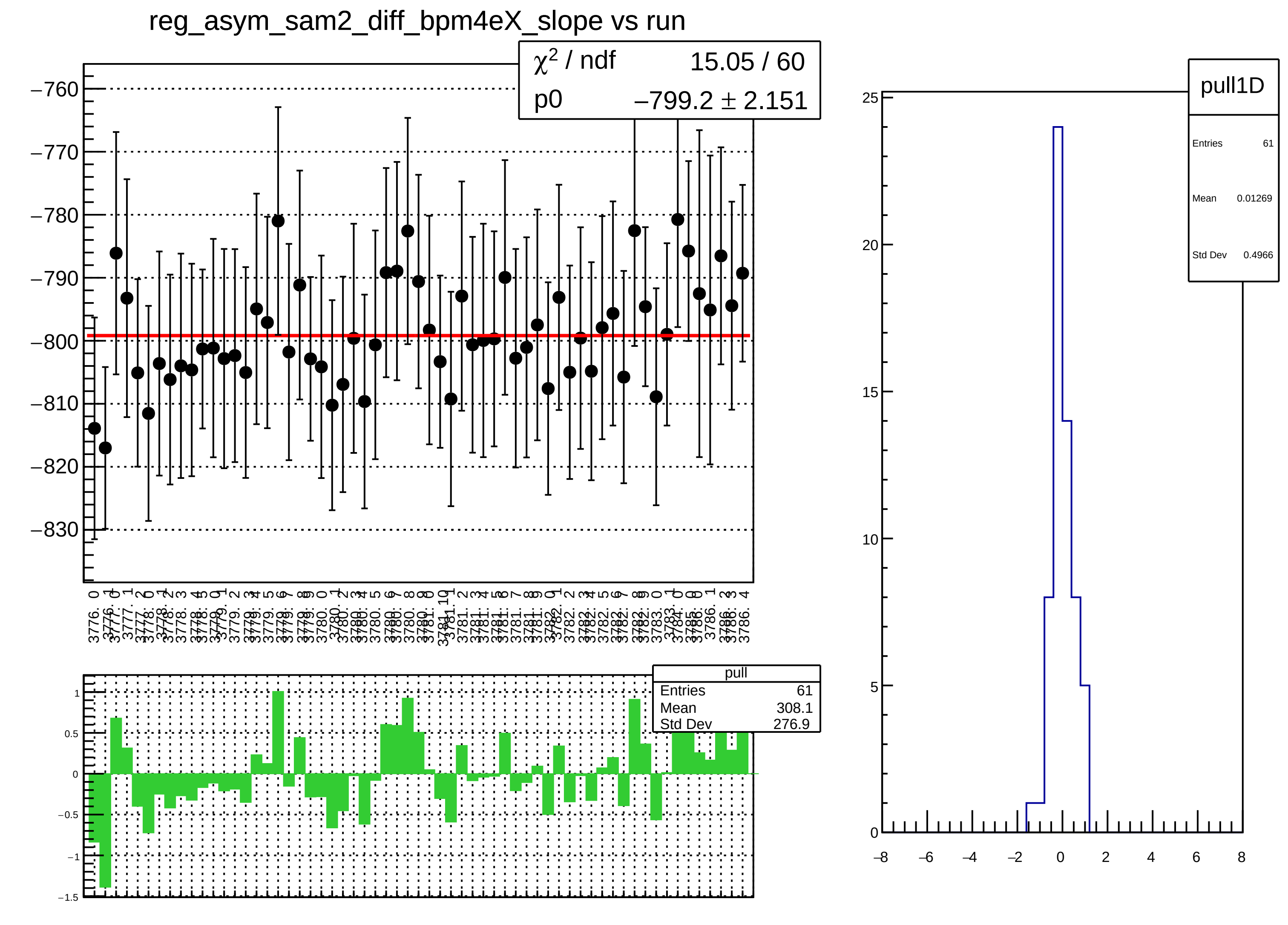
reg_asym_sam1_diff_bpm11X_slope vs run
χ2 / ndf 16.13 / 60
p0 0.3975 ± 0.3668
pull
Entries 61
Mean 341.6
Std Dev 316
pull1D
Entries 61
Mean 0.01557
Std Dev 0.514



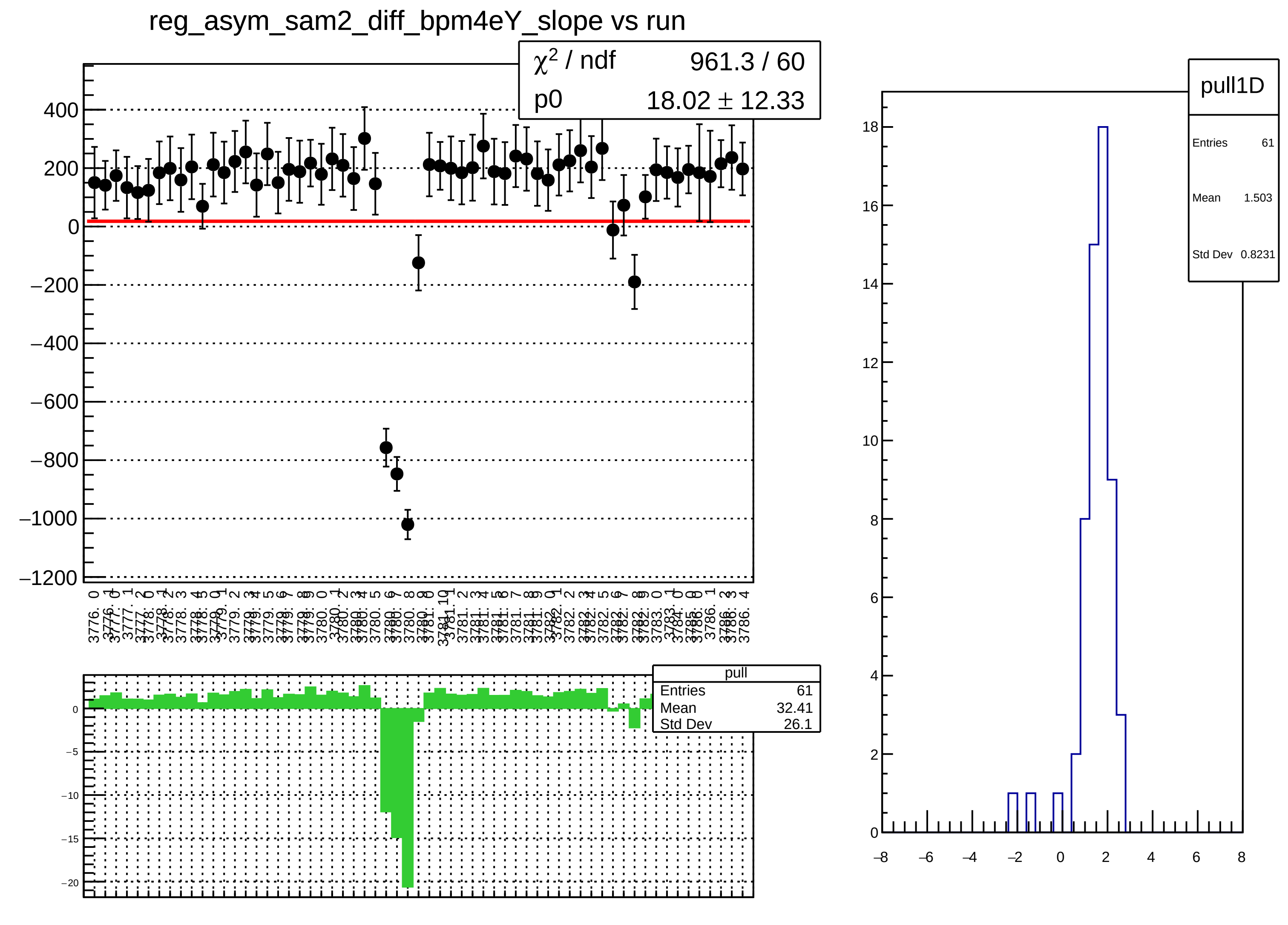
reg_asym_sam2_diff_bpm4aX_slope vs run
χ^2 / ndf 18.61 / 60
p0 117.1 ± 11
300
200
100
0
−100
pull
Entries 61
Mean 970.5
Std Dev 939.7
pull1D
Entries 61
Mean 0.001739
Std Dev 0.5524

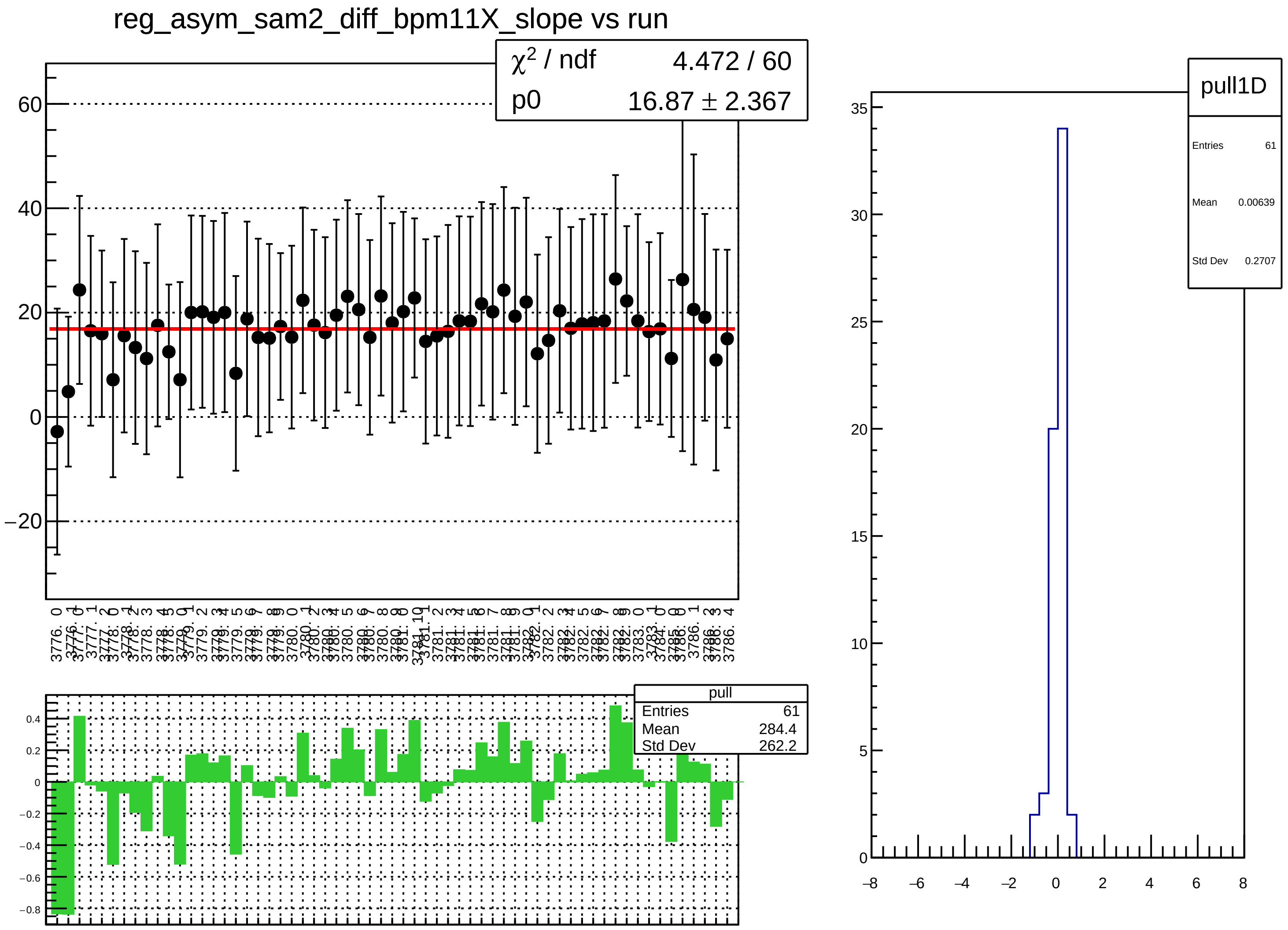


reg_asym_sam2_diff_bpm4aY_slope vs run
χ2 / ndf 885.8 / 60
p0 −335.5 ± 7.916
pull
Entries 61
Mean 32
Std Dev 26.75
pull1D
Entries 61
Mean −1.399
Std Dev 0.8253



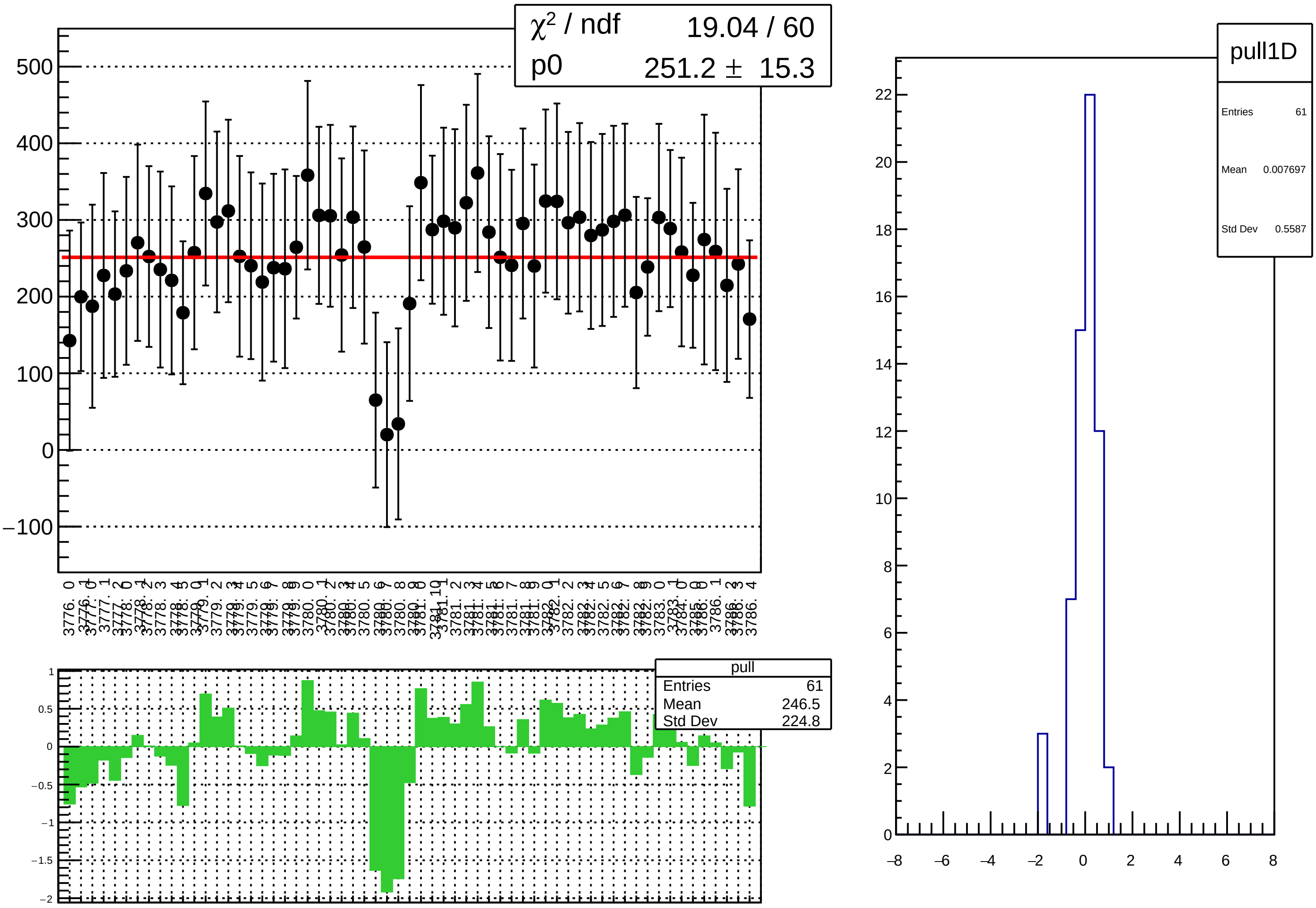
reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 15.05 / 60
p0 −799.2 ± 2.151
pull
Entries 61
Mean 308.1
Std Dev 276.9
pull1D
Entries 61
Mean 0.01269
Std Dev 0.4966


reg_asym_sam2_diff_bpm4eY_slope vs run
χ2 / ndf 961.3 / 60
p0 18.02 ± 12.33
pull
Entries 61
Mean 32.41
Std Dev 26.1
pull1D
Entries 61
Mean 1.503
Std Dev 0.8231

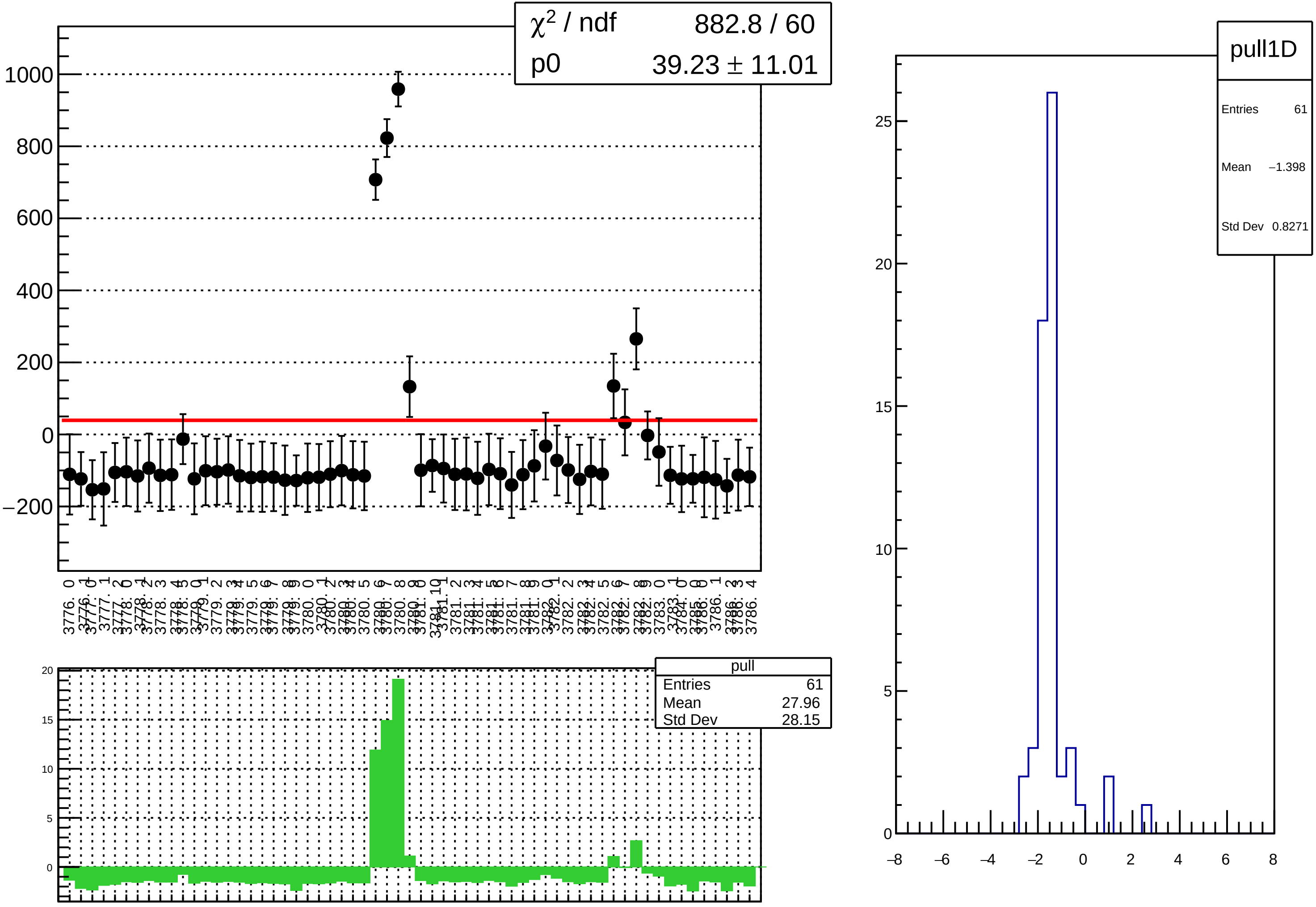


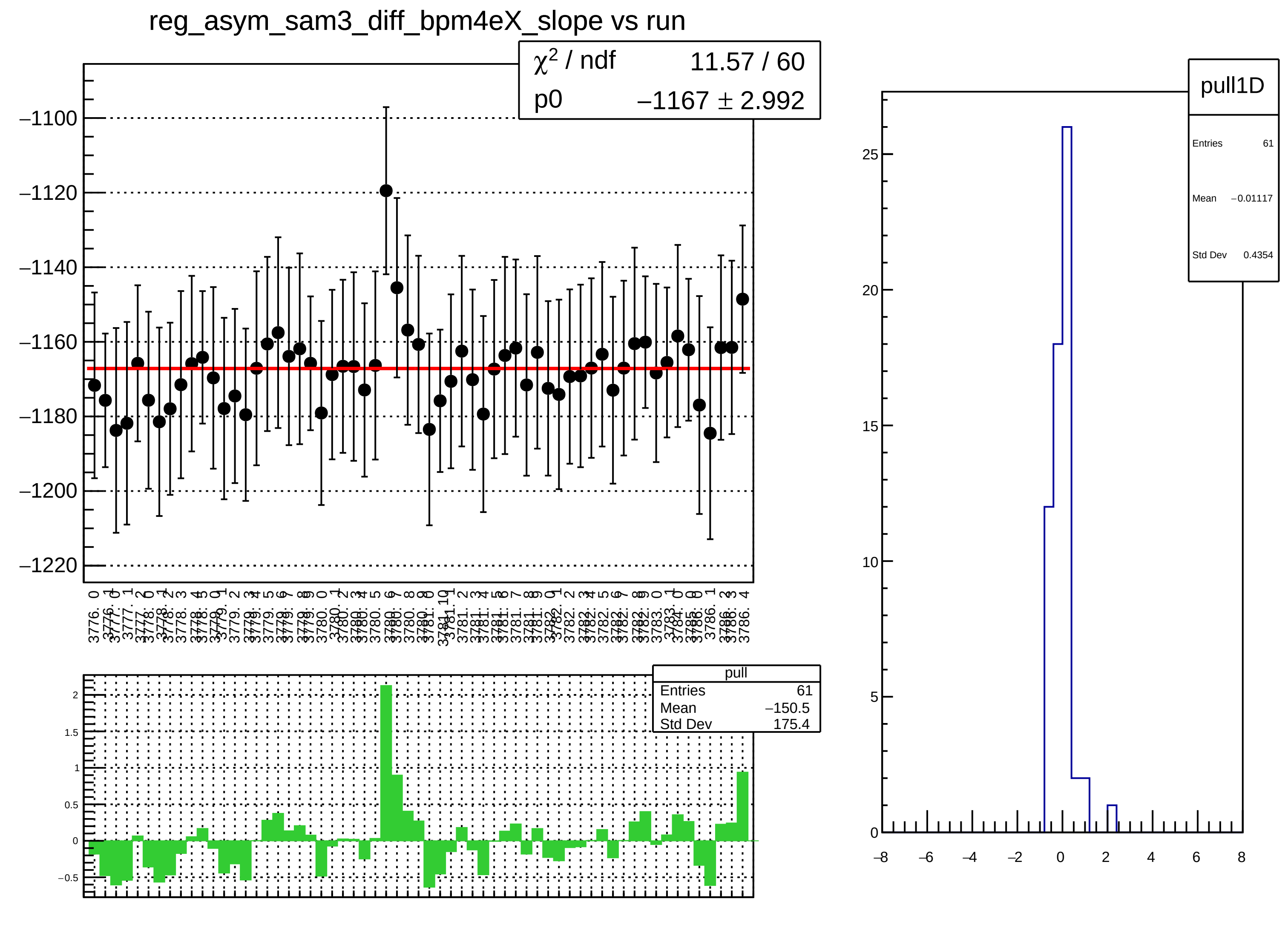
reg_asym_sam2_diff_bpm11X_slope vs run
χ2 / ndf 4.472 / 60
p0 16.87 ± 2.367
pull
Entries 61
Mean 284.4
Std Dev 262.2
pull1D
Entries 61
Mean 0.00639
Std Dev 0.2707

reg_asym_sam3_diff_bpm4aX_slope vs run

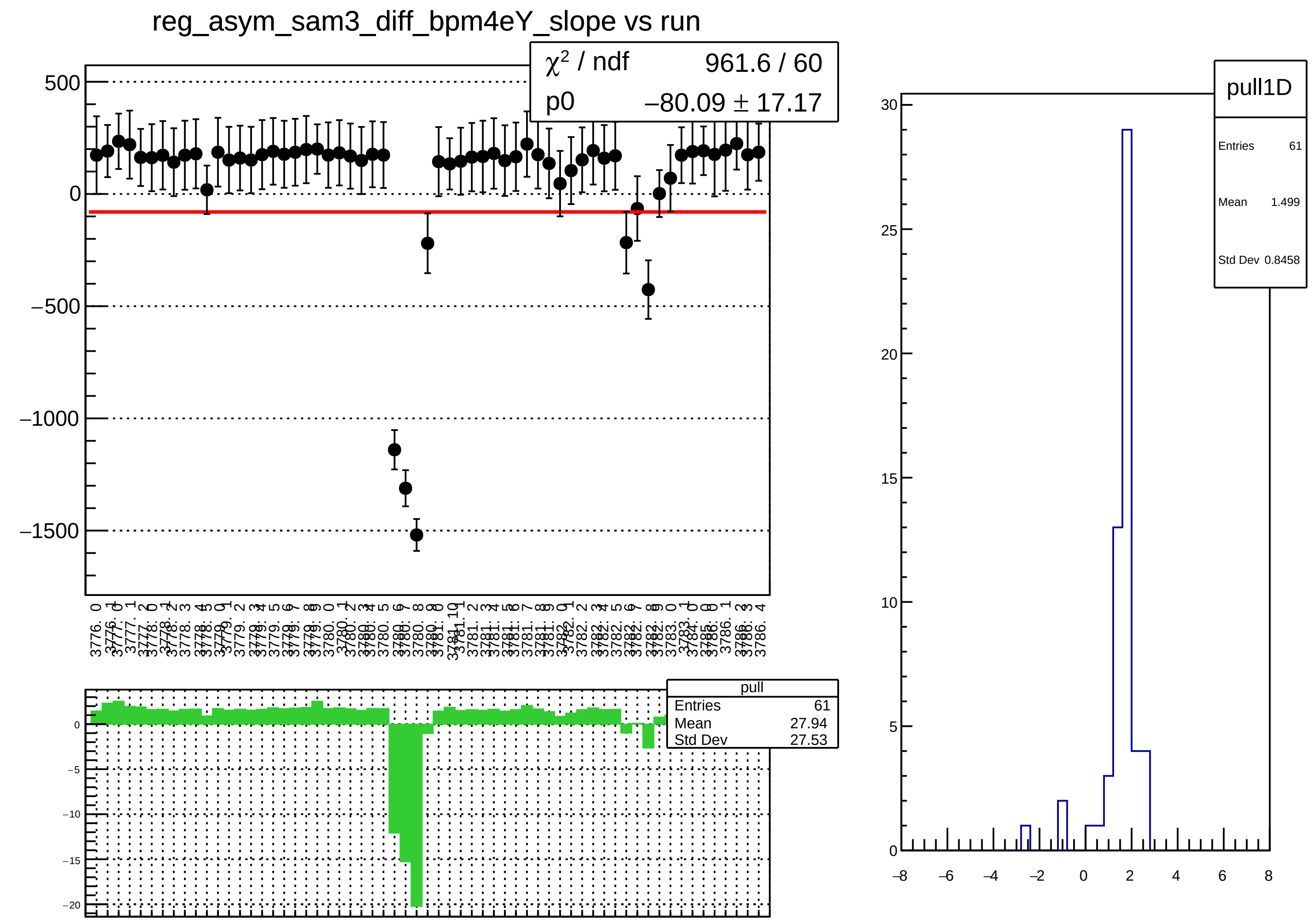


reg_asym_sam3_diff_bpm4aY_slope vs run

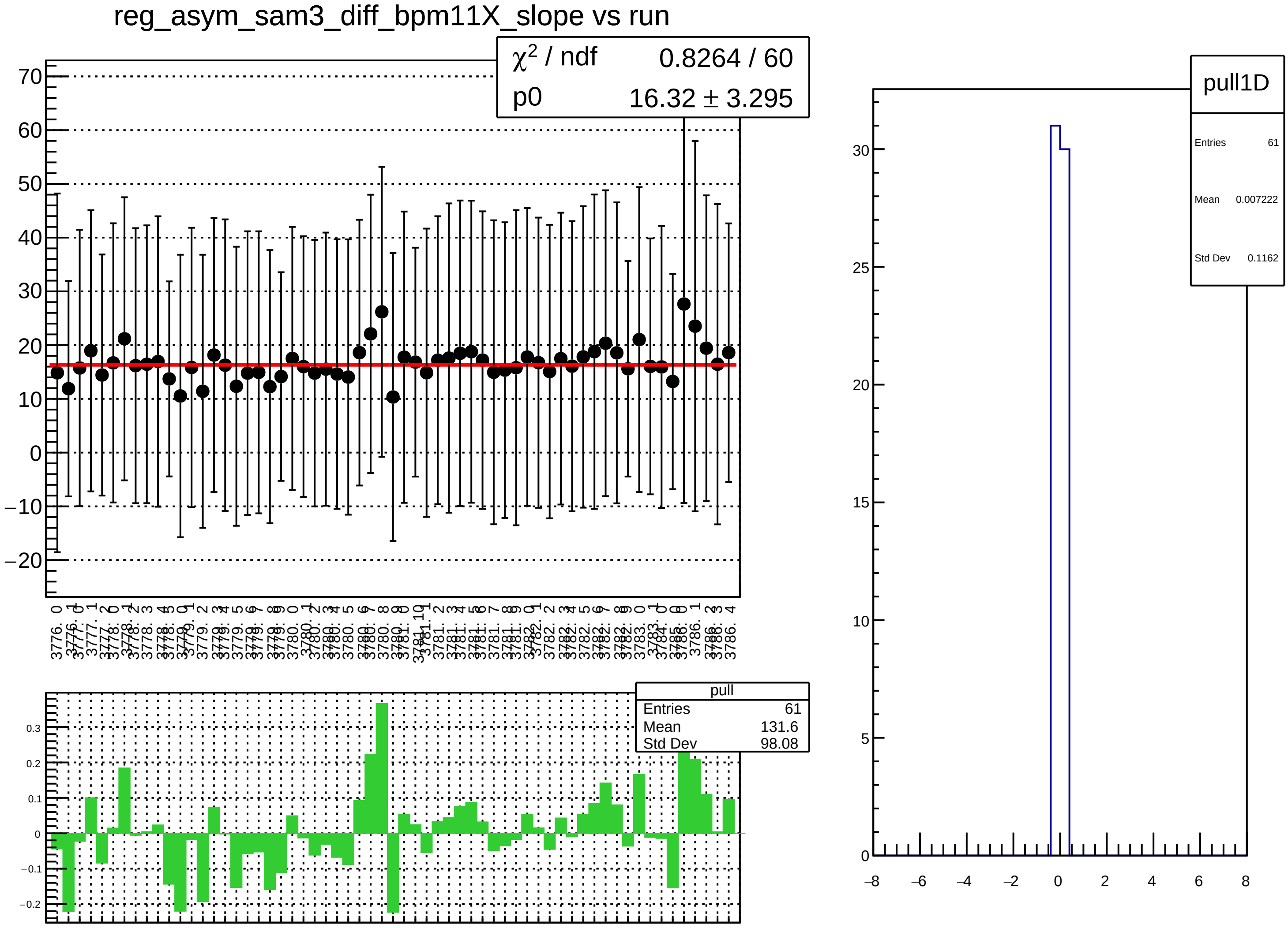


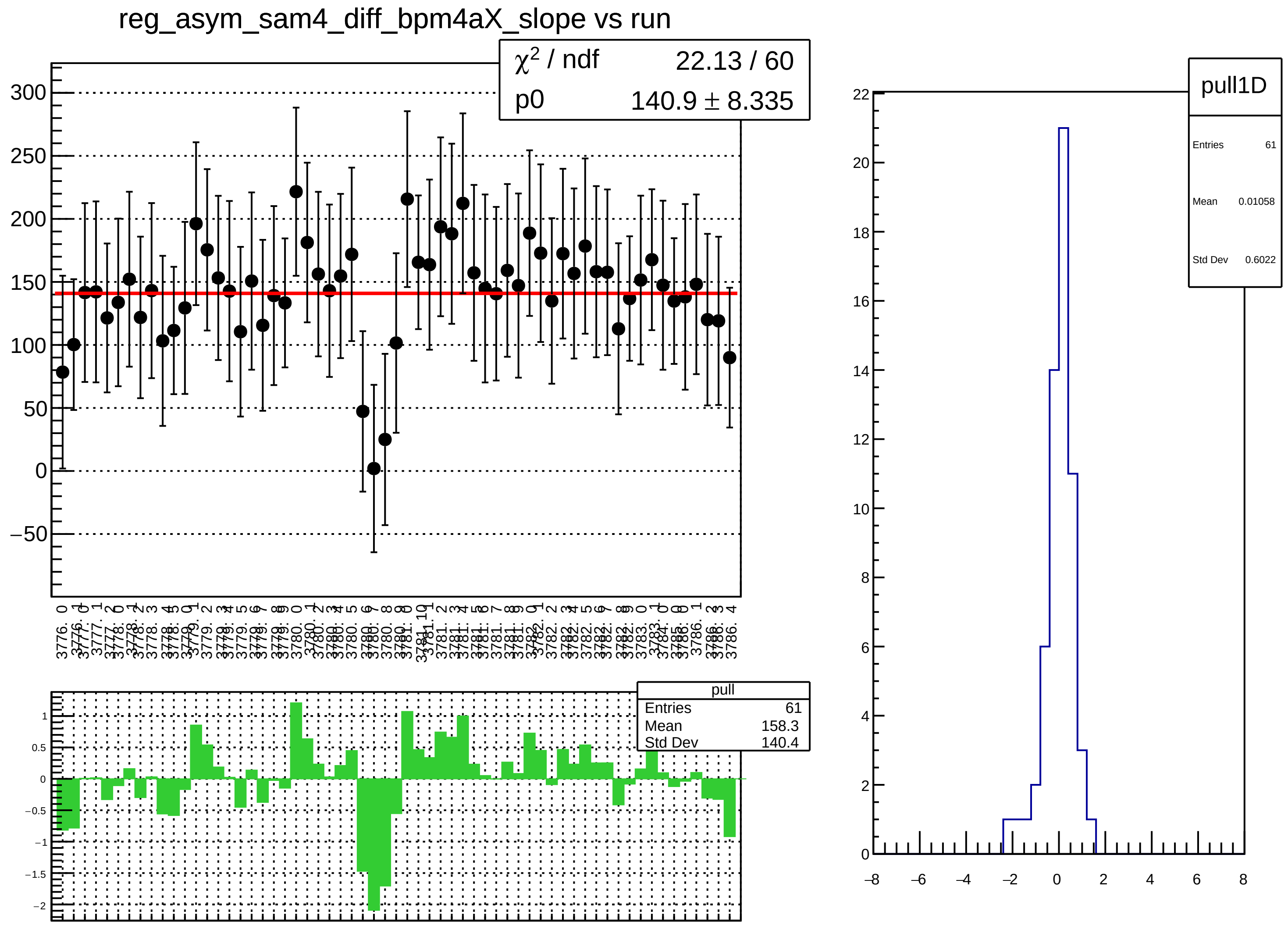


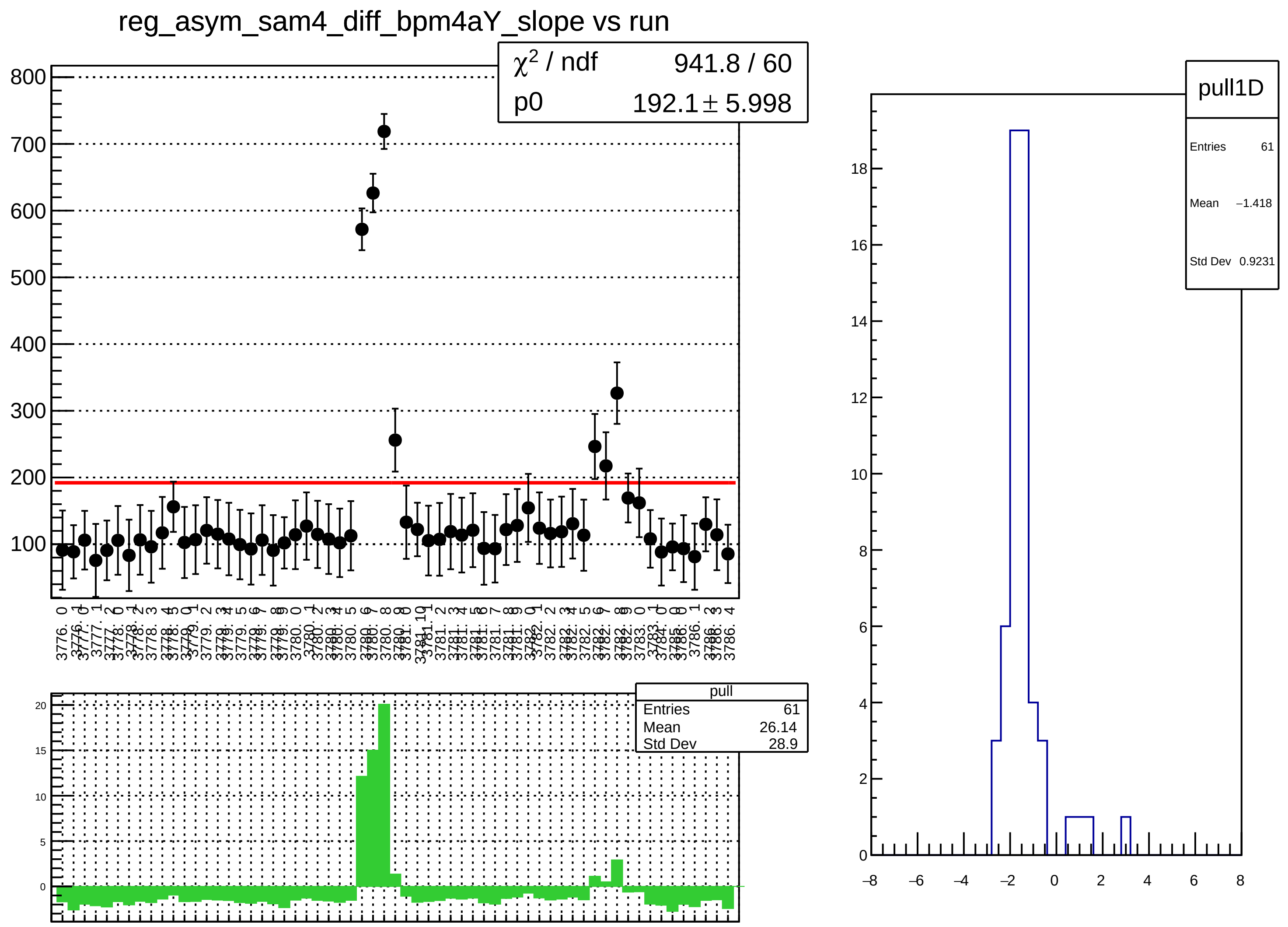
reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 11.57 / 60
p0 −1167 ± 2.992
pull
Entries 61
Mean −150.5
Std Dev 175.4
pull1D
Entries 61
Mean −0.01117
Std Dev 0.4354



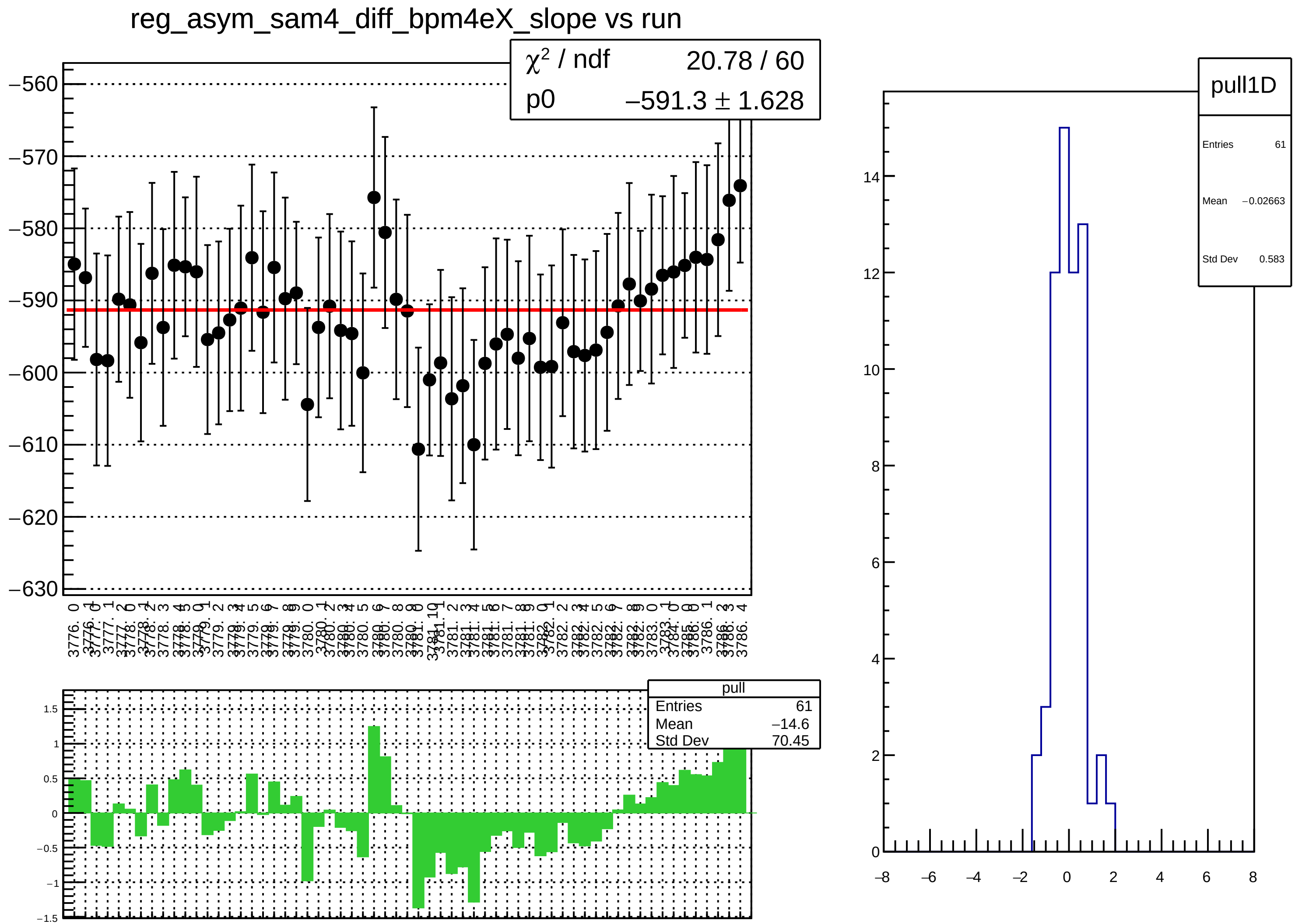
reg_asym_sam3_diff_bpm4eY_slope vs run
χ2 / ndf 961.6 / 60
p0 −80.09 ± 17.17
500
0
−500
−1000
−1500
pull
Entries 61
Mean 27.94
Std Dev 27.53
pull1D
Entries 61
Mean 1.499
Std Dev 0.8458


reg_asym_sam3_diff_bpm11X_slope vs run
χ^2 / ndf 0.8264 / 60
p0 16.32 ± 3.295
pull
Entries 61
Mean 131.6
Std Dev 98.08
pull1D
Entries 61
Mean 0.007222
Std Dev 0.1162

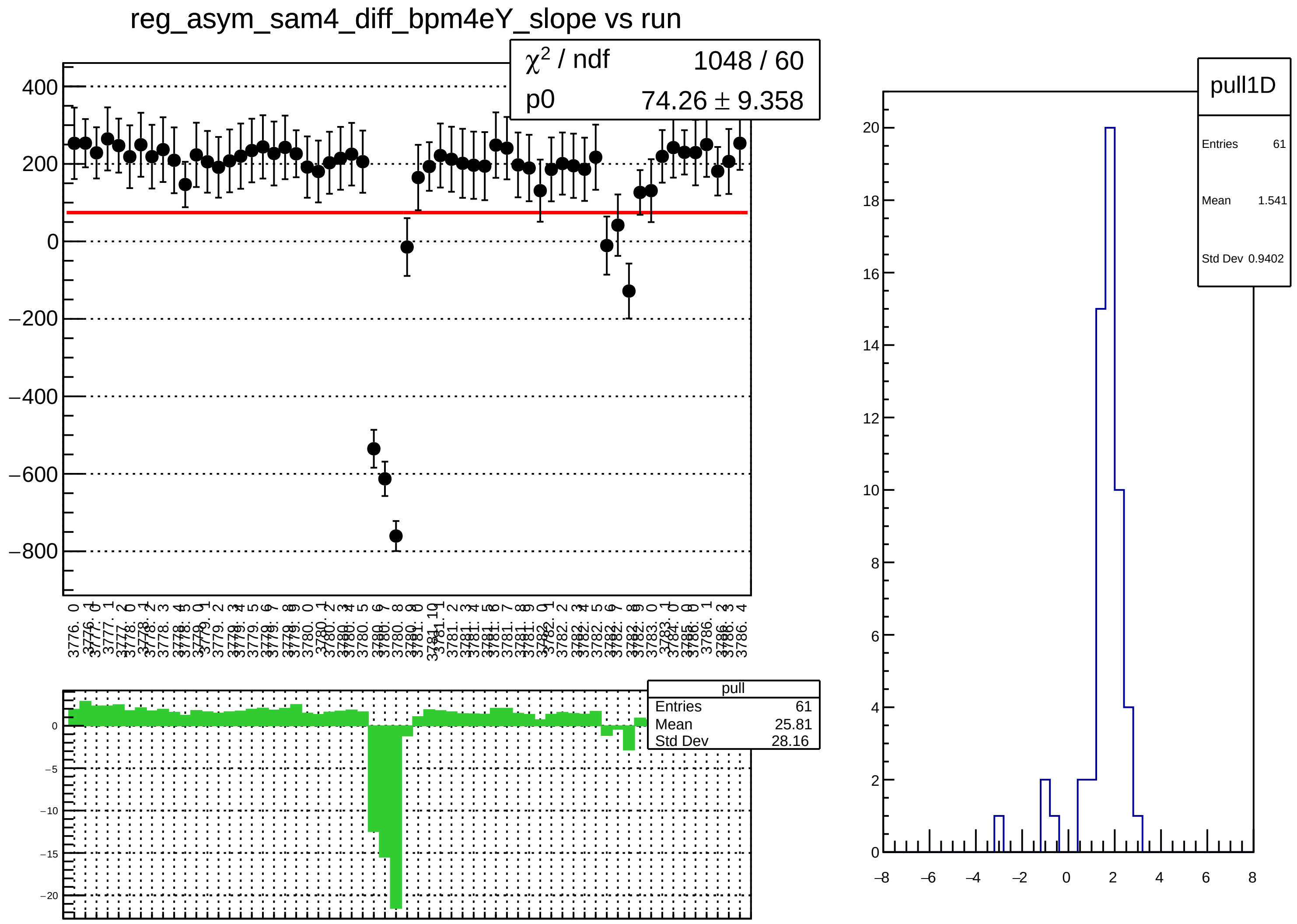

reg_asym_sam4_diff_bpm4aX_slope vs run
χ^2 / ndf 22.13 / 60
p0 140.9 ± 8.335
pull
Entries 61
Mean 158.3
Std Dev 140.4
pull1D
Entries 61
Mean 0.01058
Std Dev 0.6022



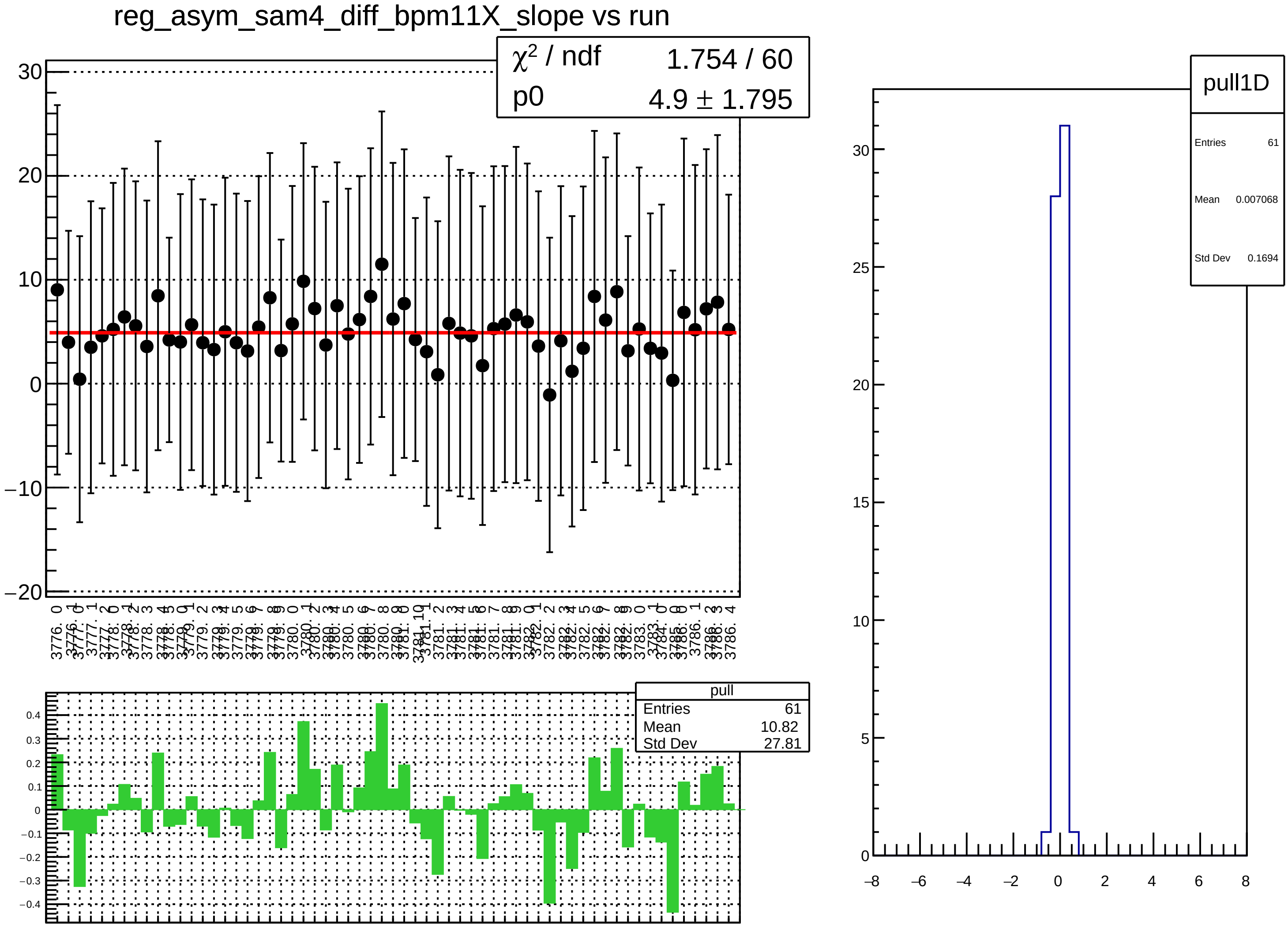
reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 941.8 / 60
p0 192.1 ± 5.998
pull
Entries 61
Mean 26.14
Std Dev 28.9
pull1D
Entries 61
Mean −1.418
Std Dev 0.9231

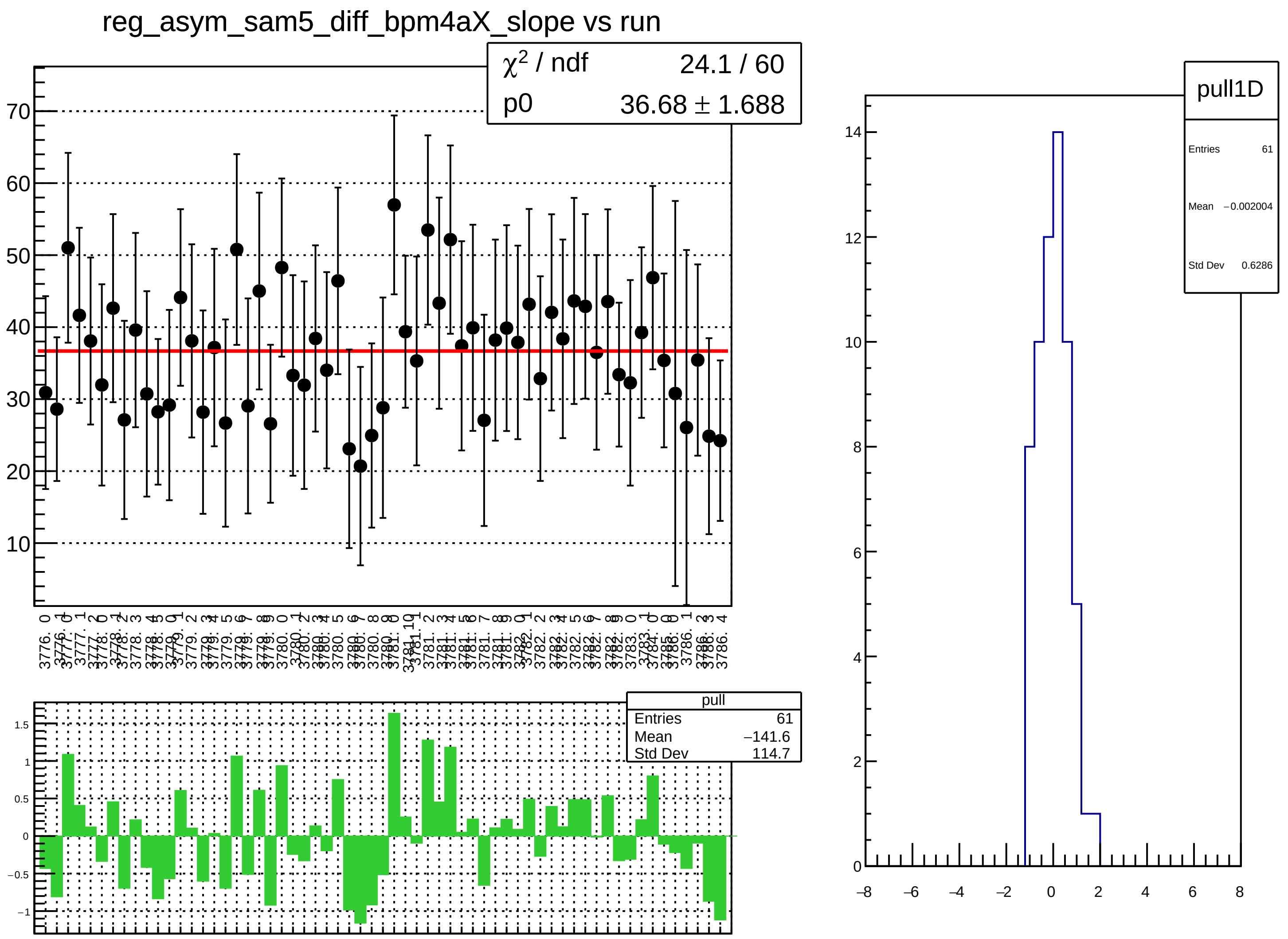


reg_asym_sam4_diff_bpm4eX_slope vs run
χ2 / ndf 20.78 / 60
p0 −591.3 ± 1.628
pull
Entries 61
Mean −14.6
Std Dev 70.45
pull1D
Entries 61
Mean −0.02663
Std Dev 0.583

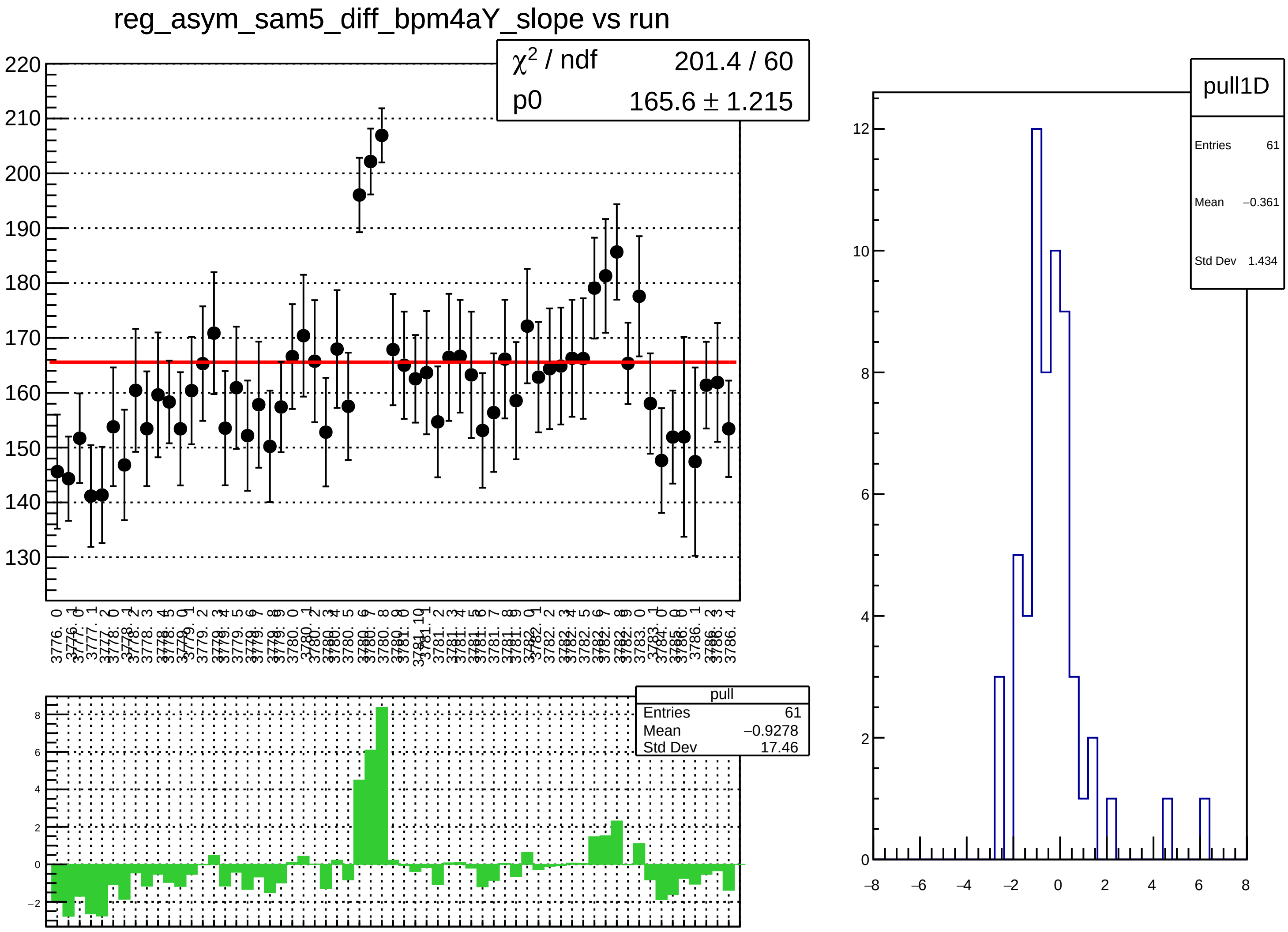


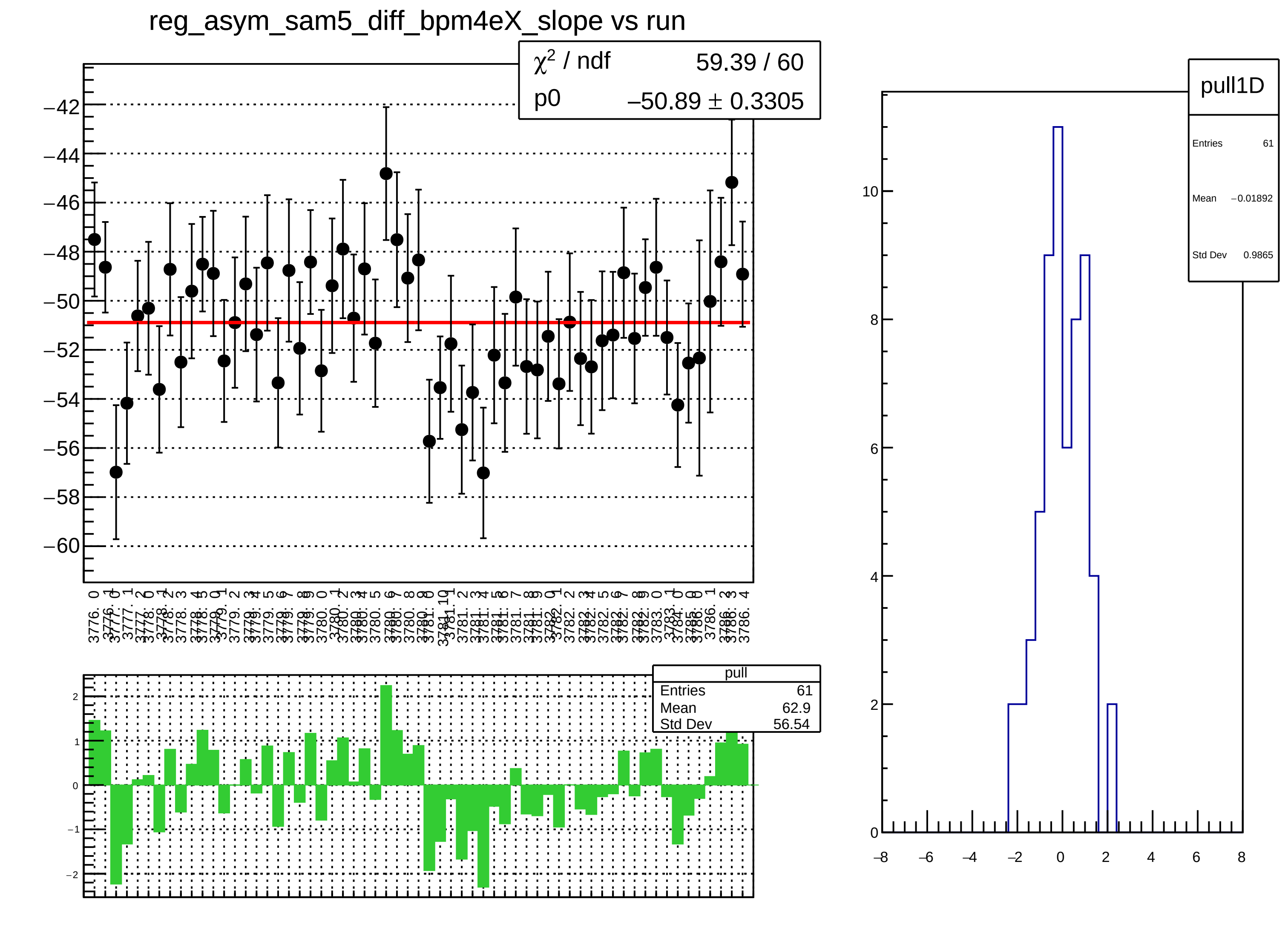
reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 1048 / 60
p0 74.26 ± 9.358
pull
Entries 61
Mean 25.81
Std Dev 28.16
pull1D
Entries 61
Mean 1.541
Std Dev 0.9402


reg_asym_sam4_diff_bpm11X_slope vs run
χ^2 / ndf 1.754 / 60
p0 4.9 ± 1.795
pull
Entries 61
Mean 10.82
Std Dev 27.81
pull1D
Entries 61
Mean 0.007068
Std Dev 0.1694

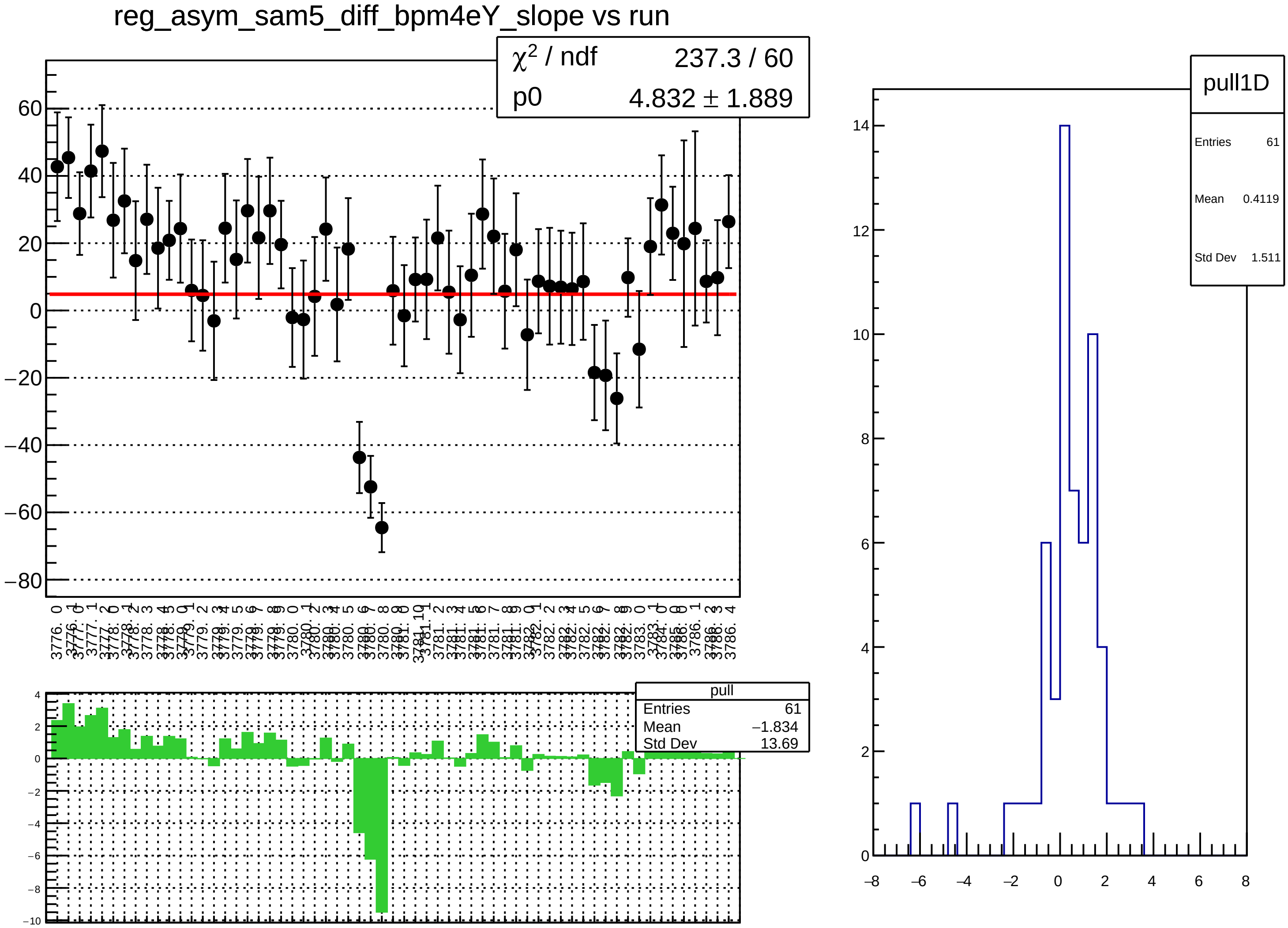


reg_asym_sam5_diff_bpm4aX_slope vs run
χ^2 / ndf 24.1 / 60
p0 36.68 ± 1.688
pull
Entries 61
Mean −141.6
Std Dev 114.7
pull1D
Entries 61
Mean −0.002004
Std Dev 0.6286

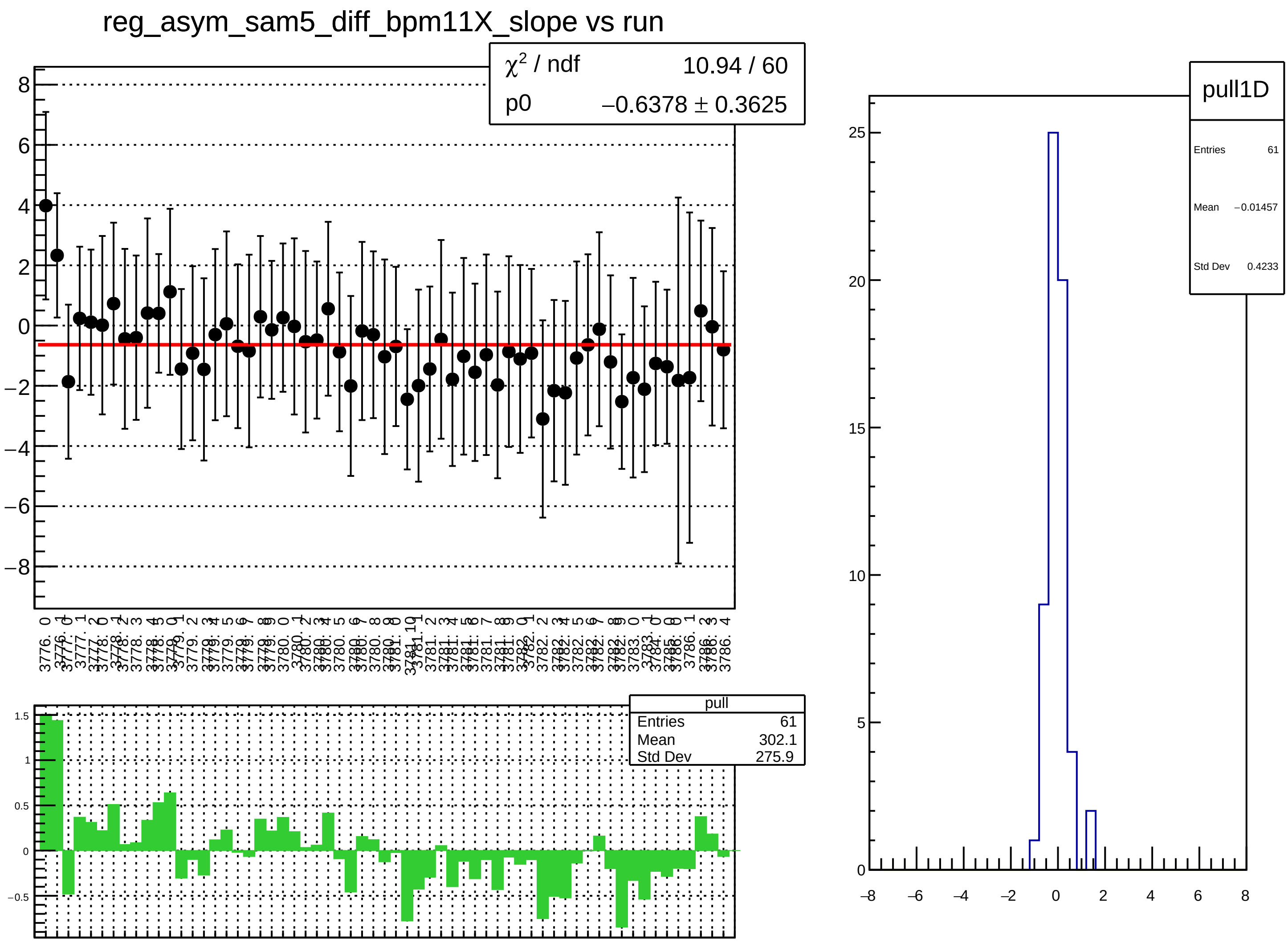

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 201.4 / 60
p0 165.6 ± 1.215
pull
Entries 61
Mean −0.9278
Std Dev 17.46
pull1D
Entries 61
Mean −0.361
Std Dev 1.434



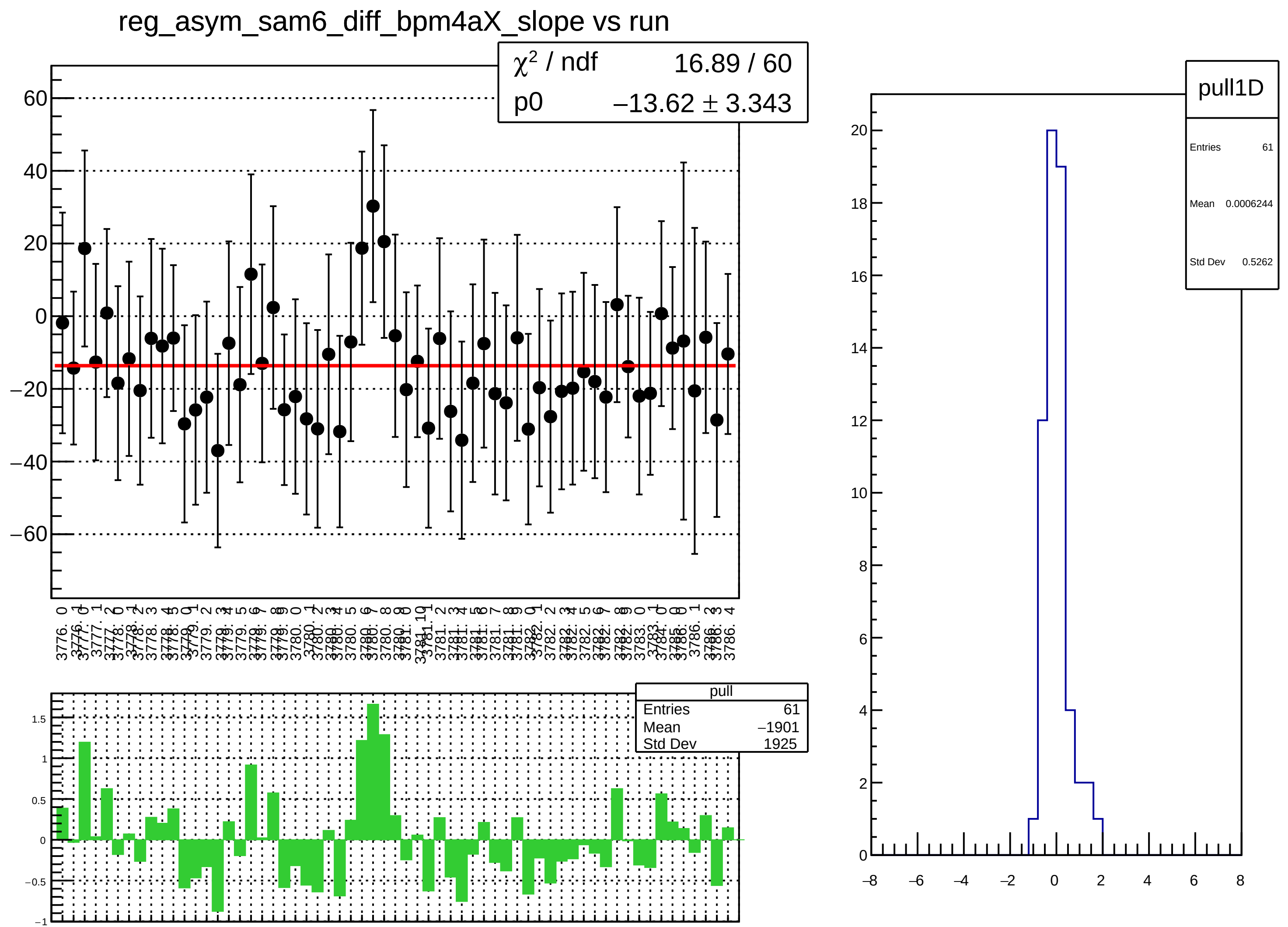
reg_asym_sam5_diff_bpm4eX_slope vs run
χ2 / ndf 59.39 / 60
p0 −50.89 ± 0.3305
pull
Entries 61
Mean 62.9
Std Dev 56.54
pull1D
Entries 61
Mean −0.01892
Std Dev 0.9865



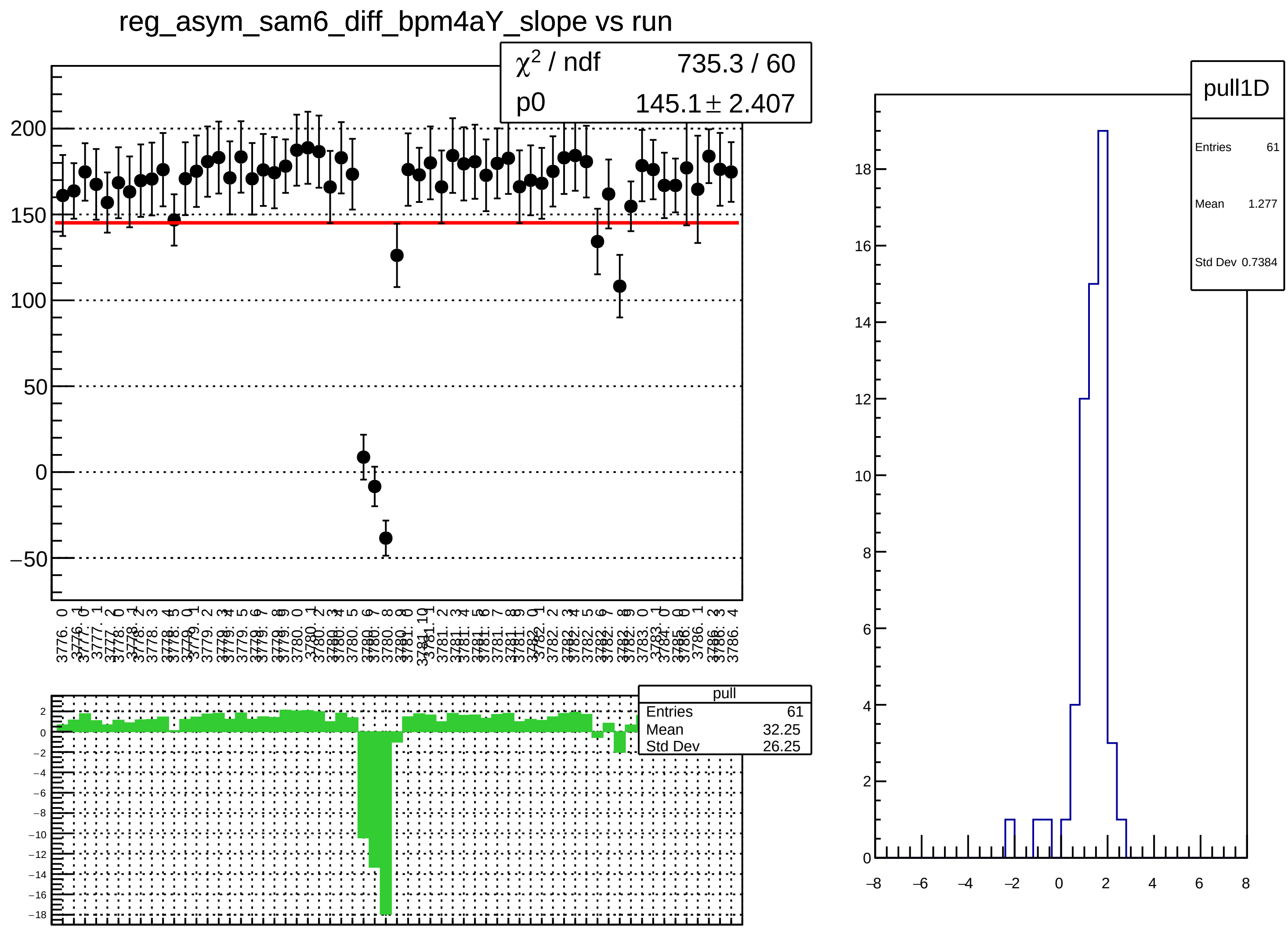
reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 237.3 / 60
p0 4.832 ± 1.889
pull
Entries 61
Mean −1.834
Std Dev 13.69
pull1D
Entries 61
Mean 0.4119
Std Dev 1.511



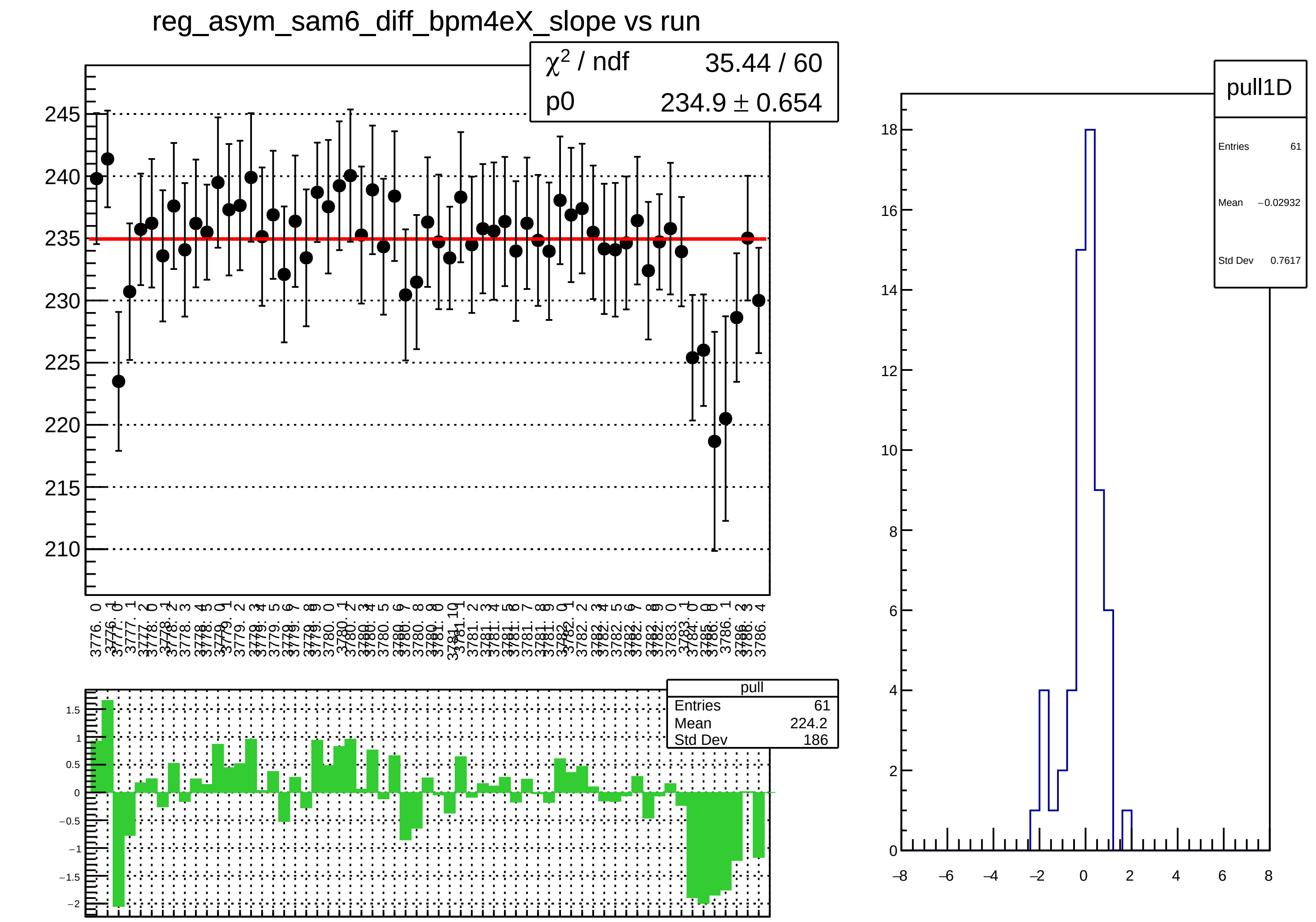
reg_asym_sam5_diff_bpm11X_slope vs run
χ^2 / ndf 10.94 / 60
p0 −0.6378 ± 0.3625
pull
Entries 61
Mean 302.1
Std Dev 275.9
pull1D
Entries 61
Mean −0.01457
Std Dev 0.4233

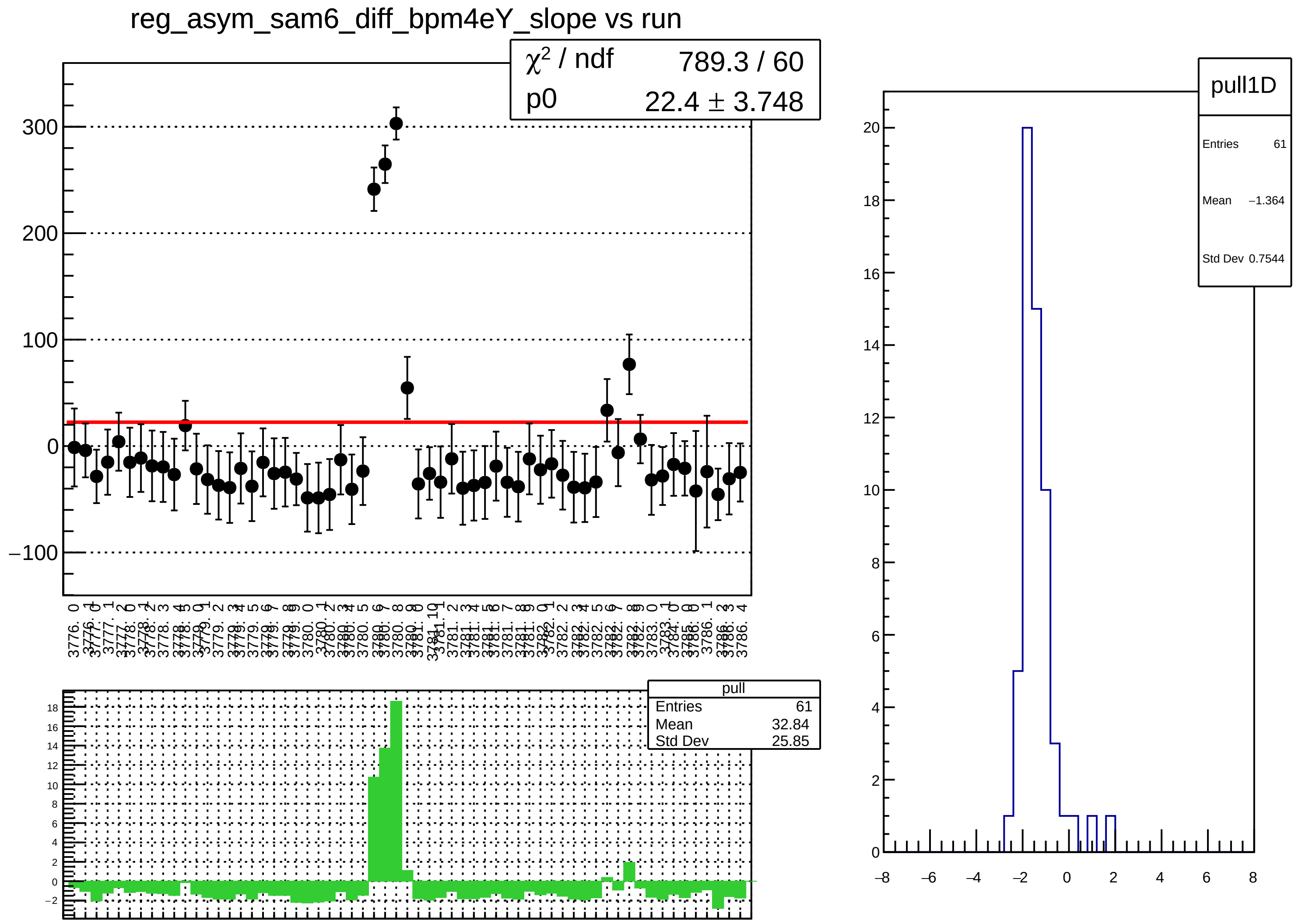


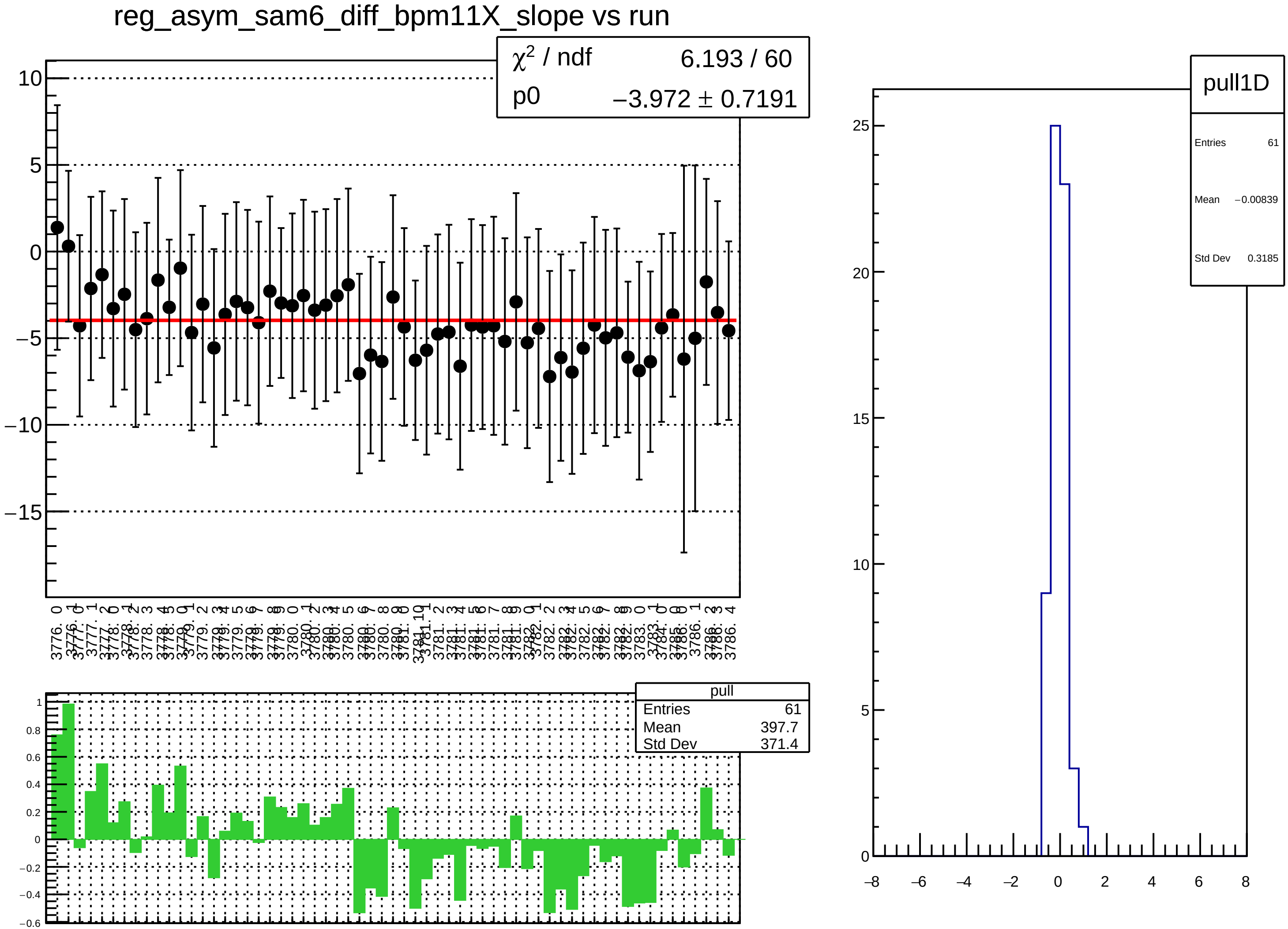
reg_asym_sam6_diff_bpm4aX_slope vs run
χ^2 / ndf 16.89 / 60
p0 −13.62 ± 3.343
pull
Entries 61
Mean −1901
Std Dev 1925
pull1D
Entries 61
Mean 0.0006244
Std Dev 0.5262



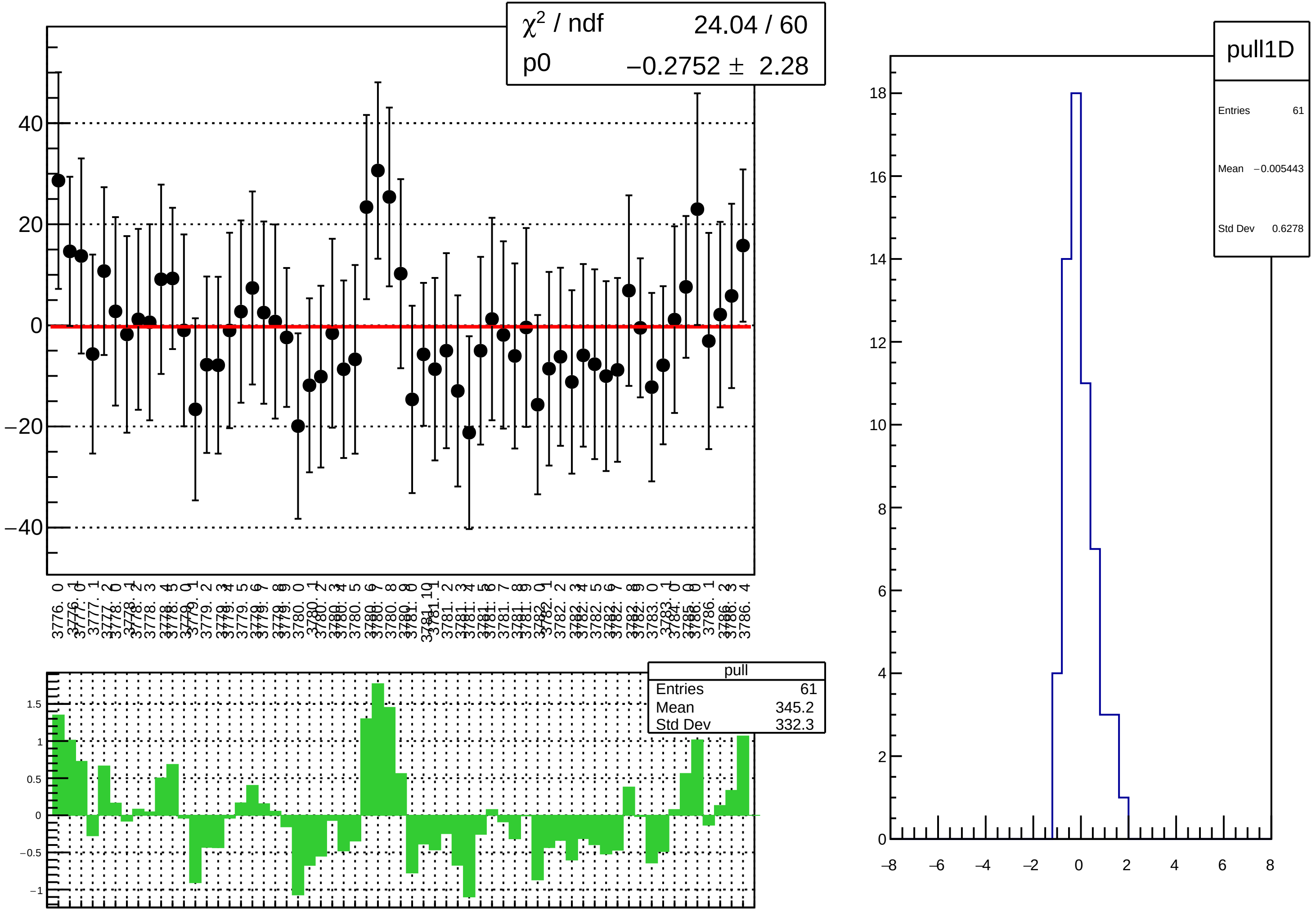
reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 735.3 / 60
p0 145.1 ± 2.407
pull
Entries 61
Mean 32.25
Std Dev 26.25
pull1D
Entries 61
Mean 1.277
Std Dev 0.7384

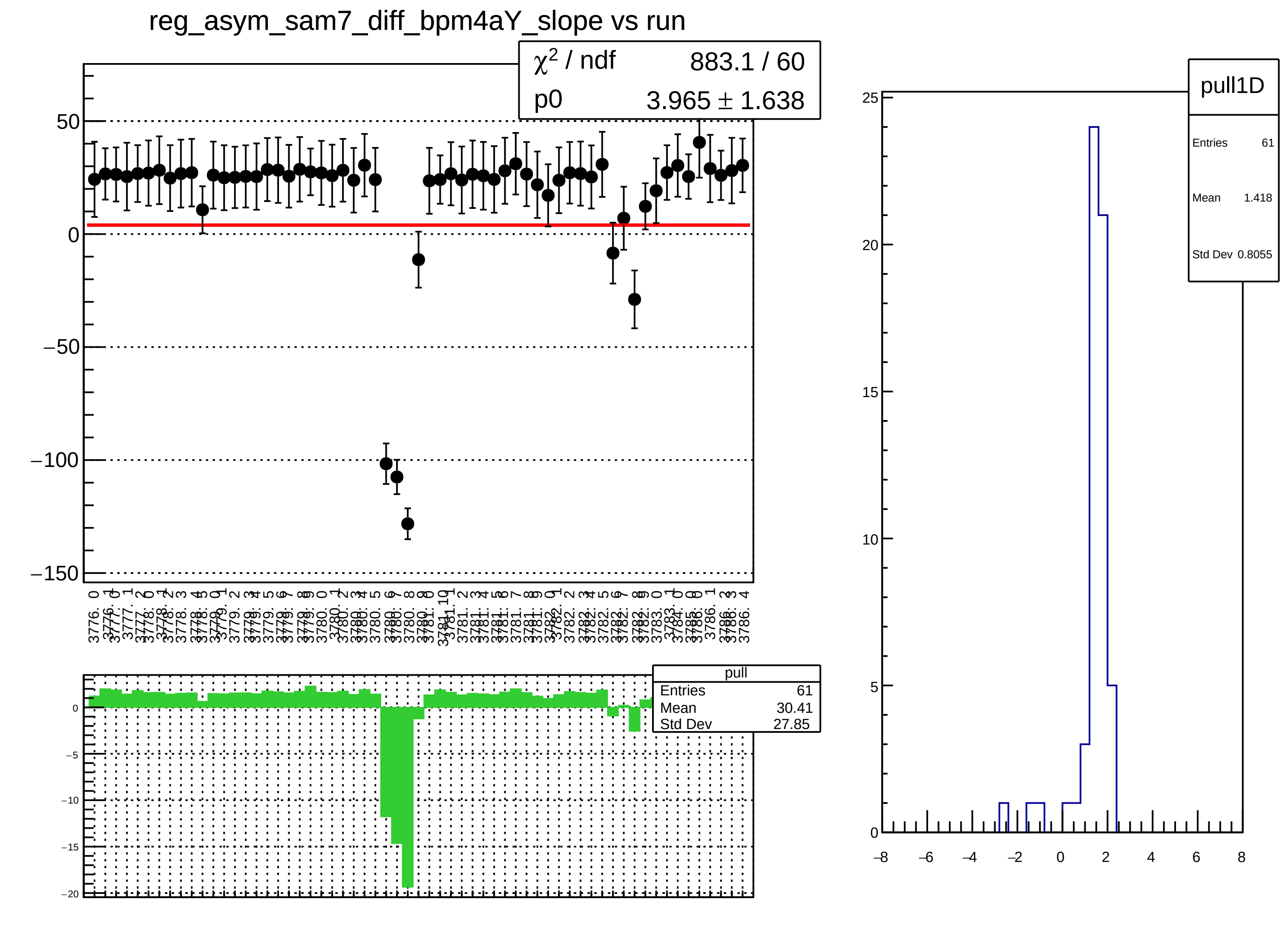

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 35.44 / 60
p0 234.9 ± 0.654
pull
Entries 61
Mean 224.2
Std Dev 186
pull1D
Entries 61
Mean −0.02932
Std Dev 0.7617


reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 789.3 / 60
p0 22.4 ± 3.748
pull
Entries 61
Mean 32.84
Std Dev 25.85
pull1D
Entries 61
Mean −1.364
Std Dev 0.7544

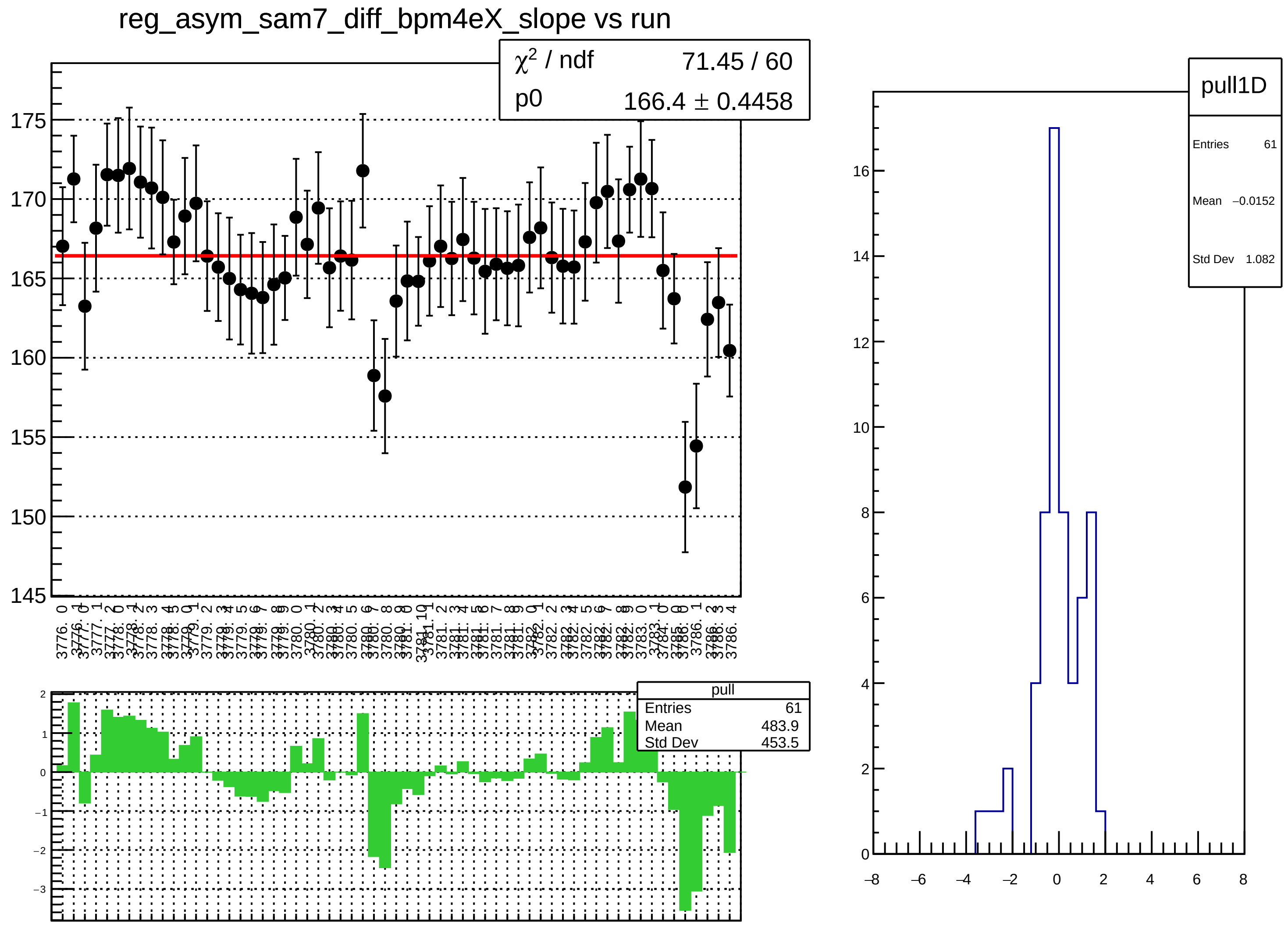

reg_asym_sam6_diff_bpm11X_slope vs run
χ^2 / ndf 6.193 / 60
p0 −3.972 ± 0.7191
pull
Entries 61
Mean 397.7
Std Dev 371.4
pull1D
Entries 61
Mean −0.00839
Std Dev 0.3185

reg_asym_sam7_diff_bpm4aX_slope vs run

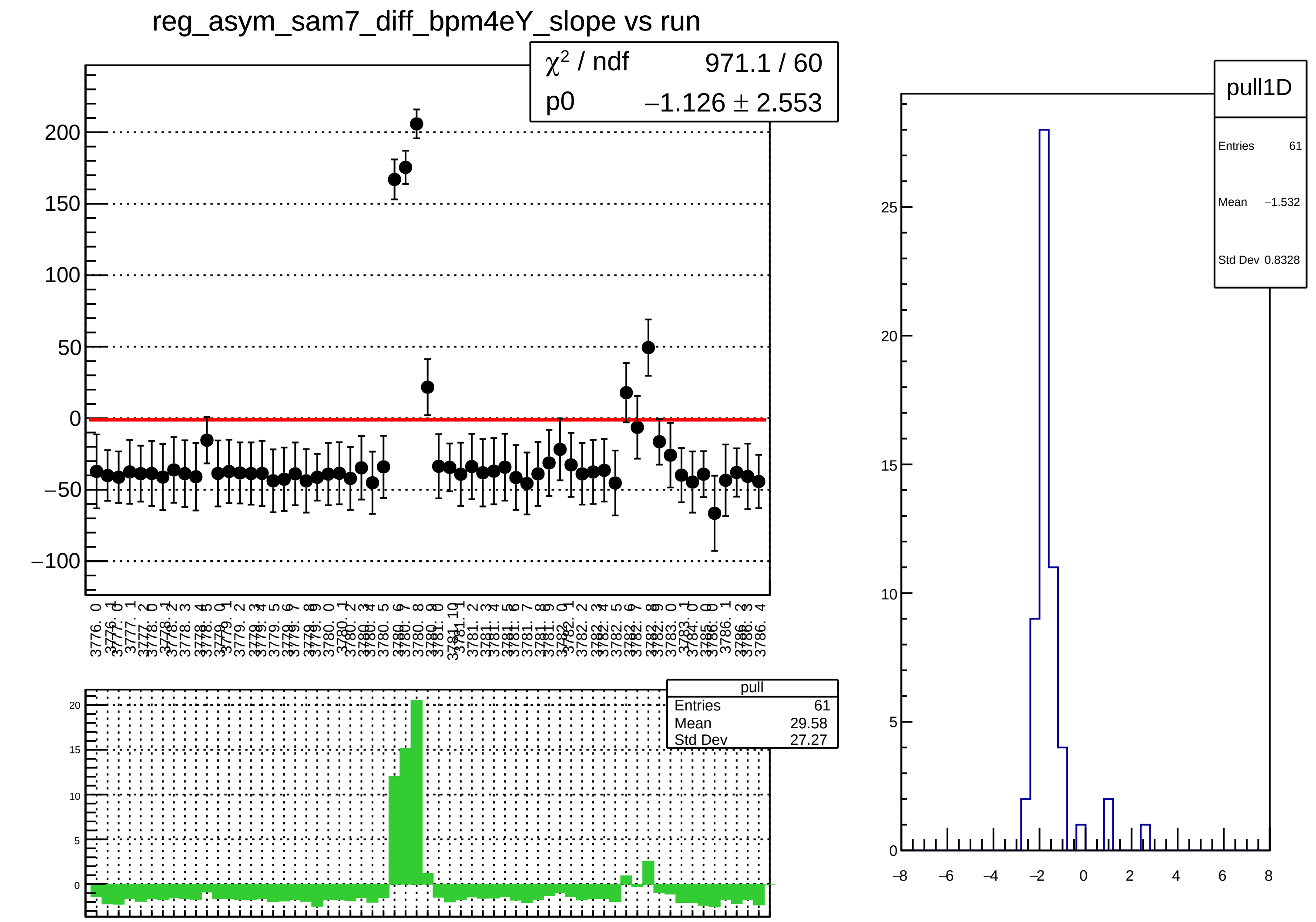




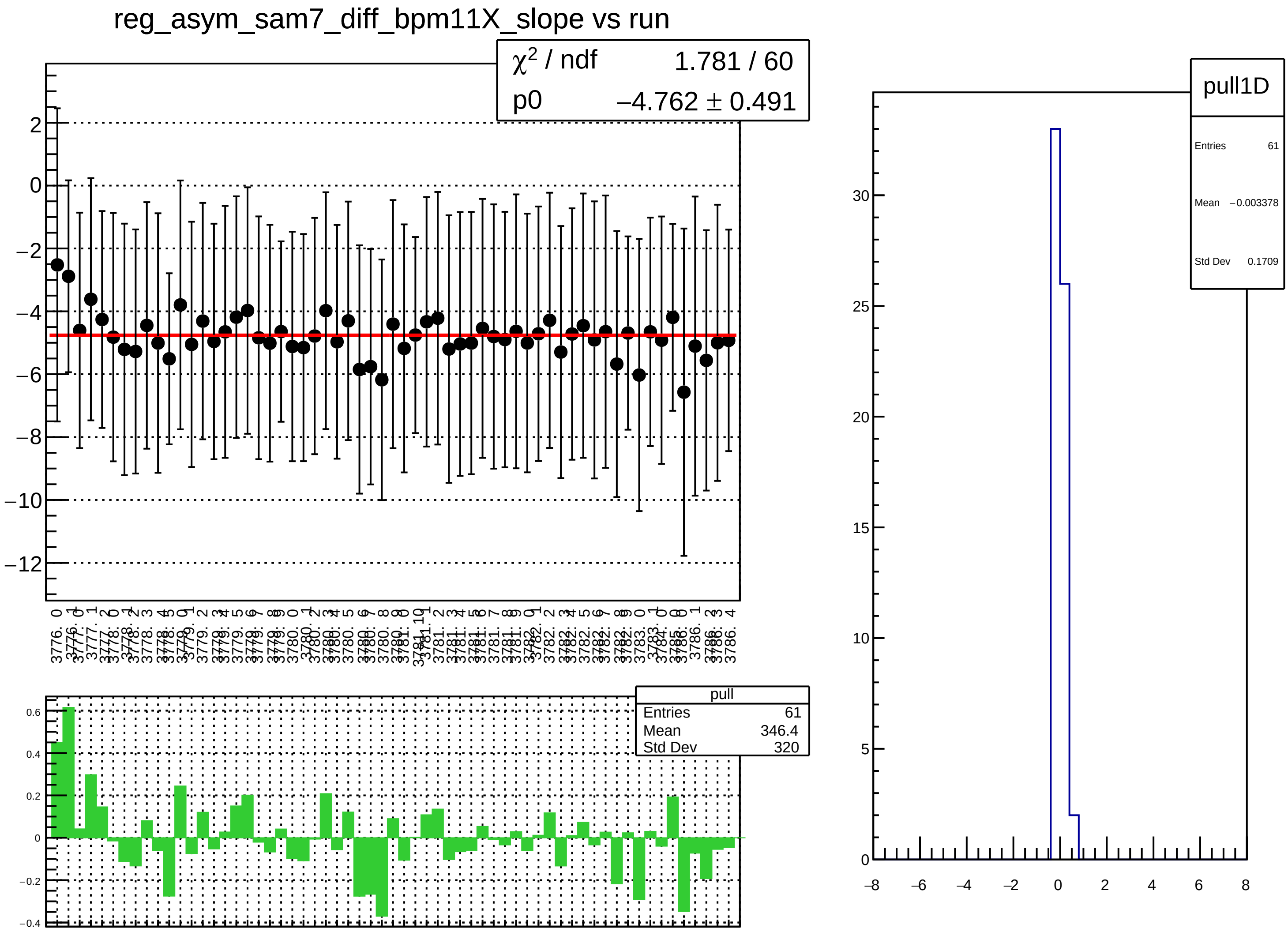
reg_asym_sam7_diff_bpm4aY_slope vs run
χ2 / ndf 883.1 / 60
p0 3.965 ± 1.638
pull
Entries 61
Mean 30.41
Std Dev 27.85
pull1D
Entries 61
Mean 1.418
Std Dev 0.8055



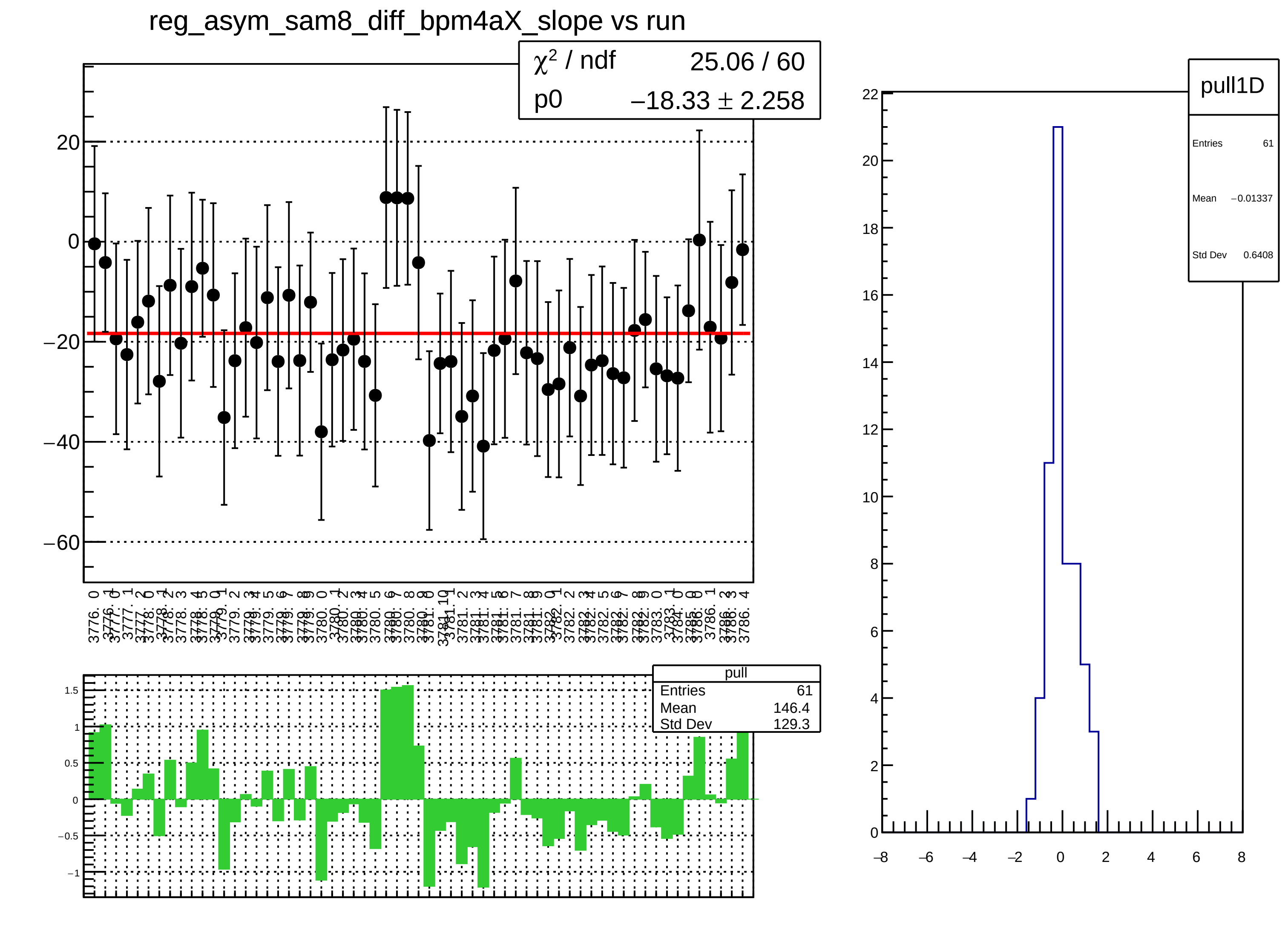
reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 71.45 / 60
p0 166.4 ± 0.4458
pull
Entries 61
Mean 483.9
Std Dev 453.5
pull1D
Entries 61
Mean −0.0152
Std Dev 1.082



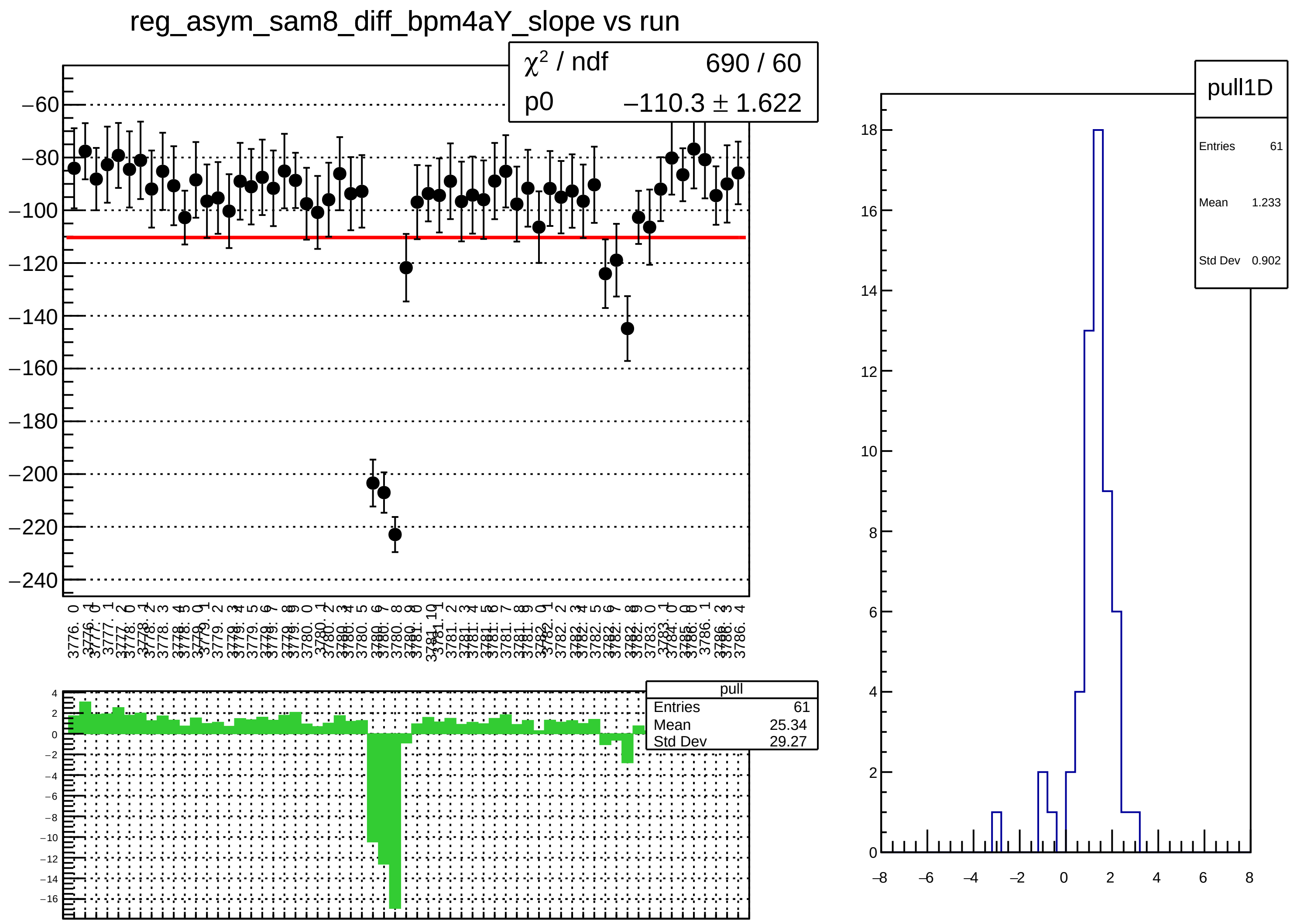
reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 971.1 / 60
p0 −1.126 ± 2.553
pull
Entries 61
Mean 29.58
Std Dev 27.27
pull1D
Entries 61
Mean −1.532
Std Dev 0.8328



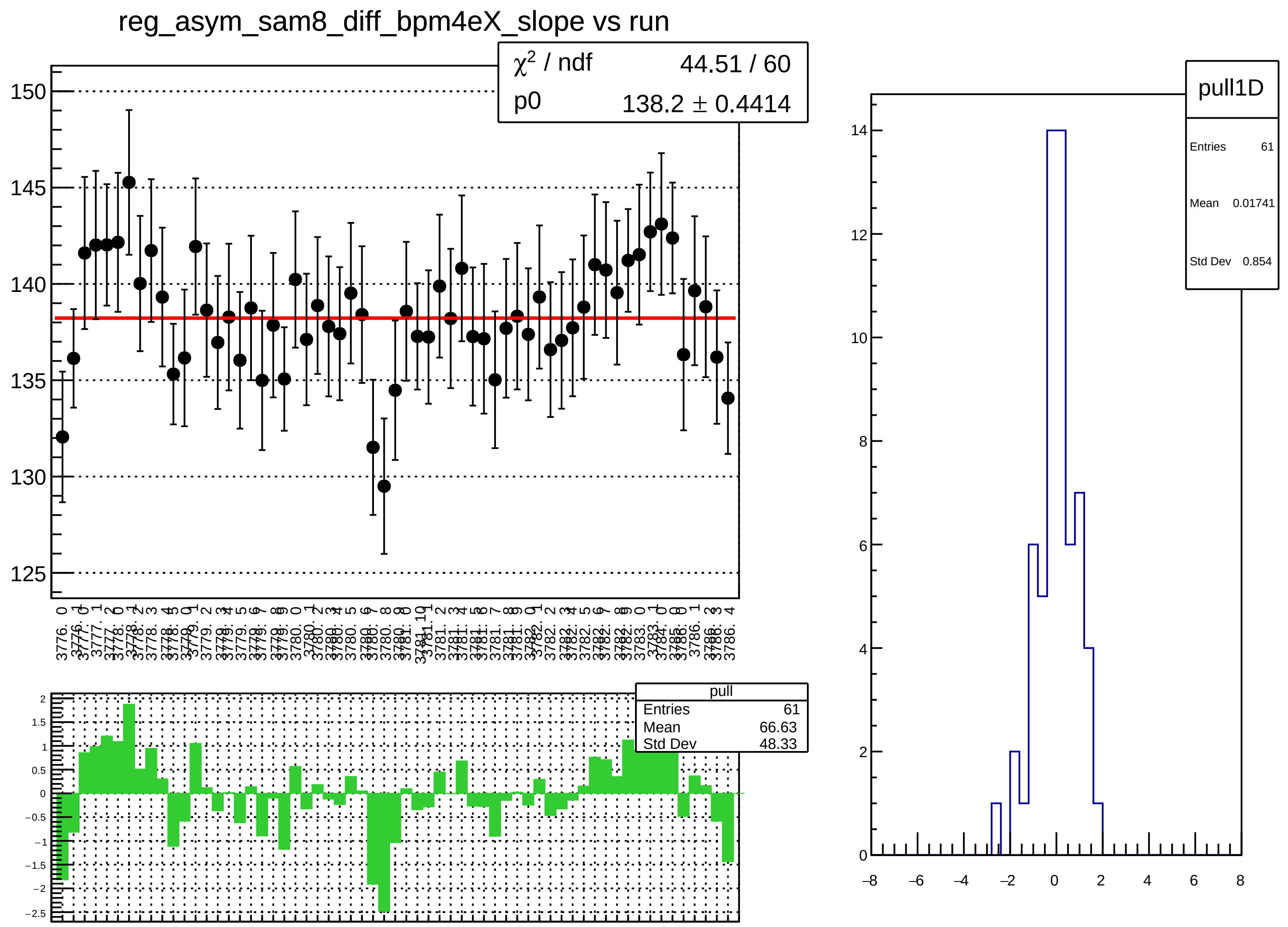
reg_asym_sam7_diff_bpm11X_slope vs run
χ2 / ndf 1.781 / 60
p0 −4.762 ± 0.491
pull
Entries 61
Mean 346.4
Std Dev 320
pull1D
Entries 61
Mean −0.003378
Std Dev 0.1709



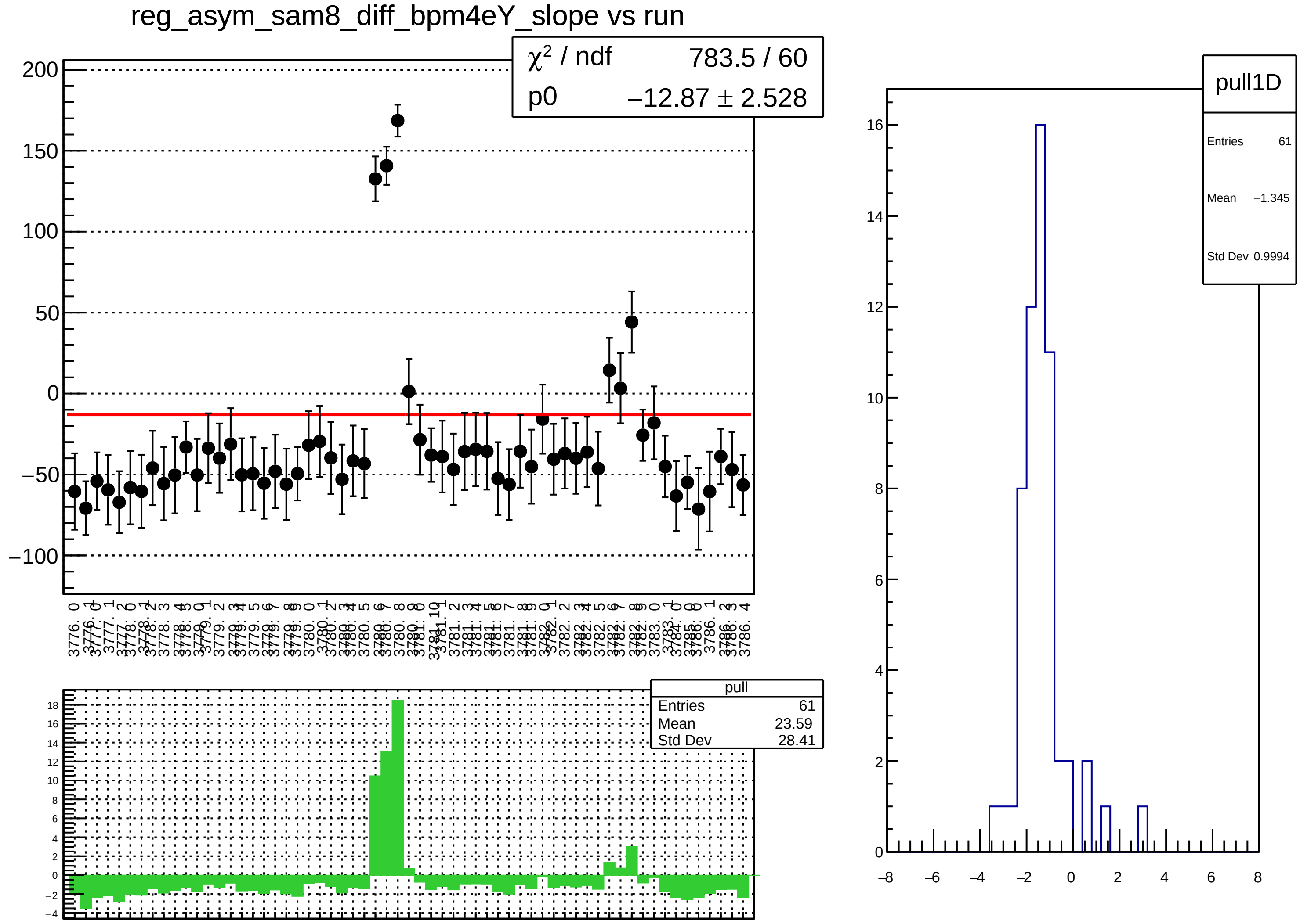
reg_asym_sam8_diff_bpm4aX_slope vs run
χ^2 / ndf 25.06 / 60
p0 −18.33 ± 2.258
pull
Entries 61
Mean 146.4
Std Dev 129.3
pull1D
Entries 61
Mean −0.01337
Std Dev 0.6408

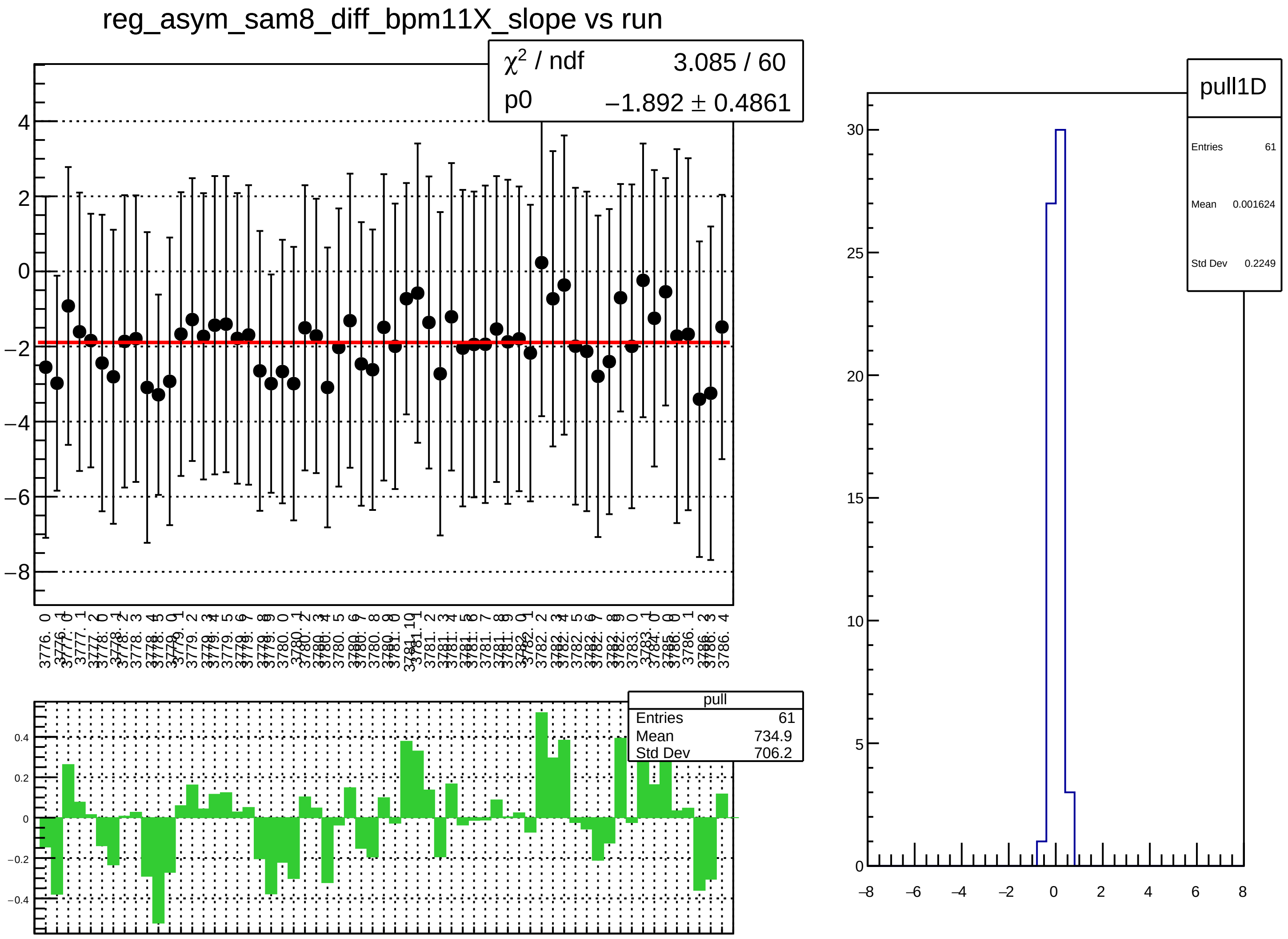


reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 690 / 60
p0 −110.3 ± 1.622
pull
Entries 61
Mean 25.34
Std Dev 29.27
pull1D
Entries 61
Mean 1.233
Std Dev 0.902

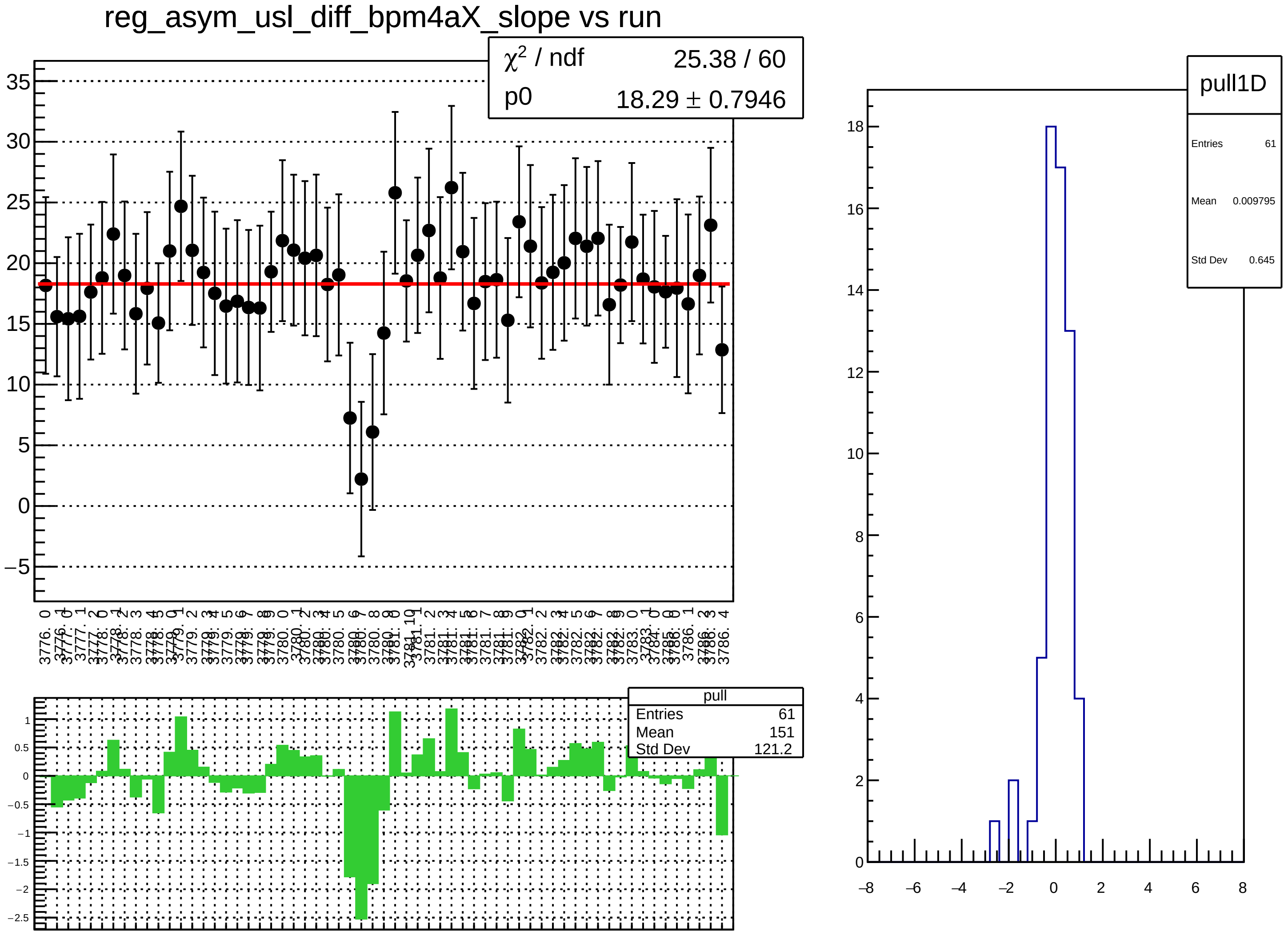


reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 44.51 / 60
p0 138.2 ± 0.4414
pull
Entries 61
Mean 66.63
Std Dev 48.33
pull1D
Entries 61
Mean 0.01741
Std Dev 0.854

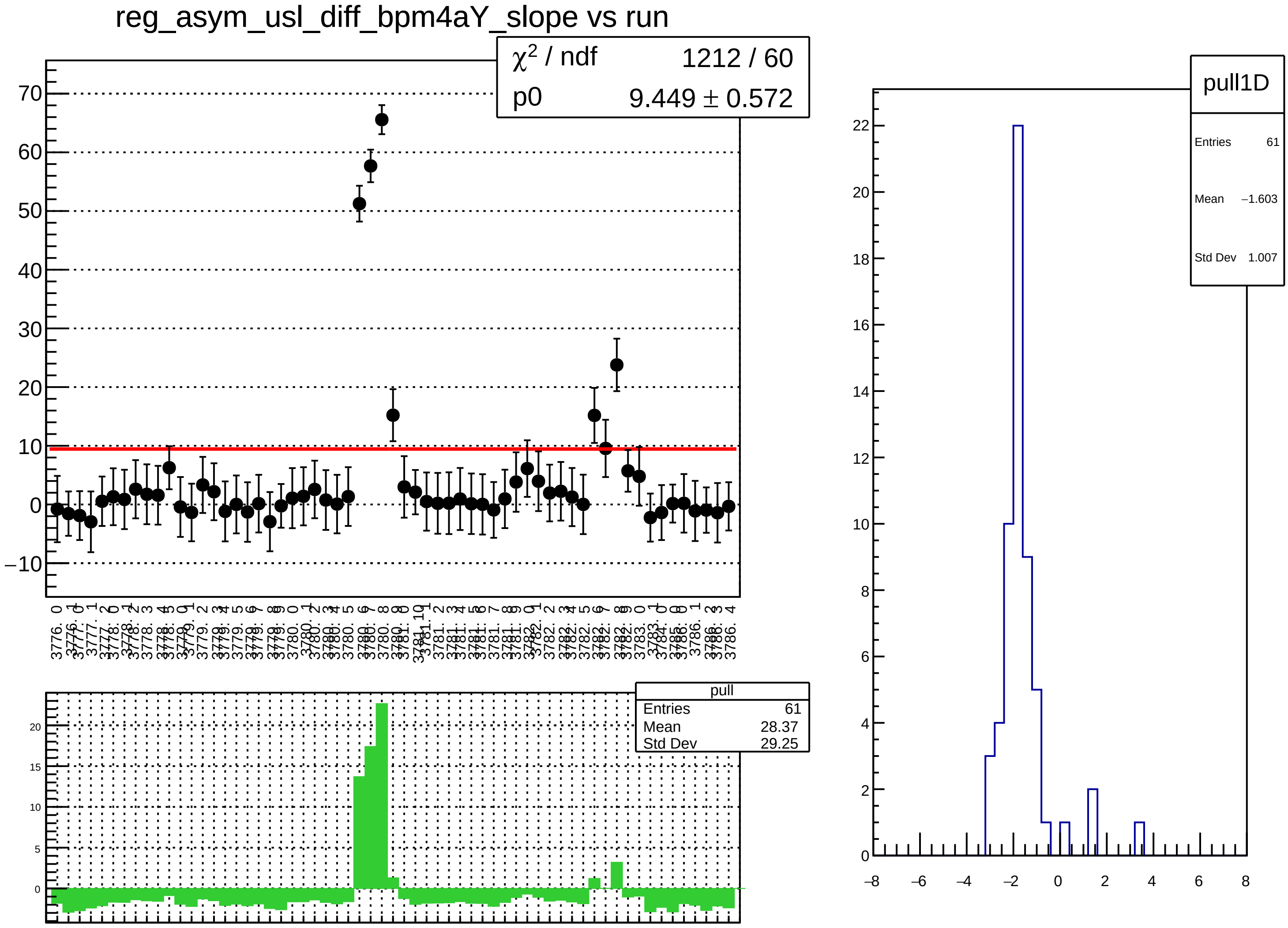

reg_asym_sam8_diff_bpm4eY_slope vs run
χ2 / ndf 783.5 / 60
p0 −12.87 ± 2.528
pull
Entries 61
Mean 23.59
Std Dev 28.41
pull1D
Entries 61
Mean −1.345
Std Dev 0.9994

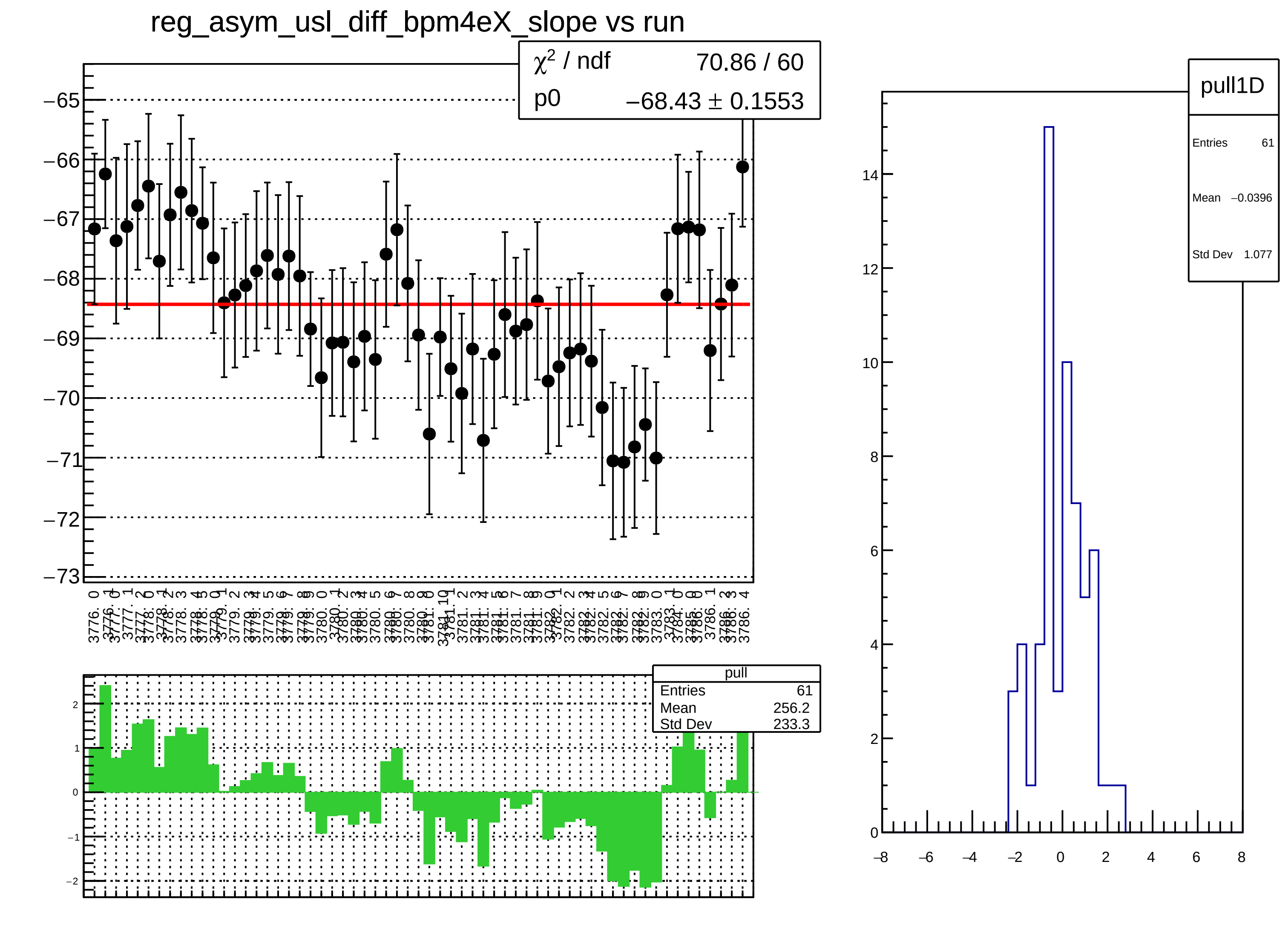


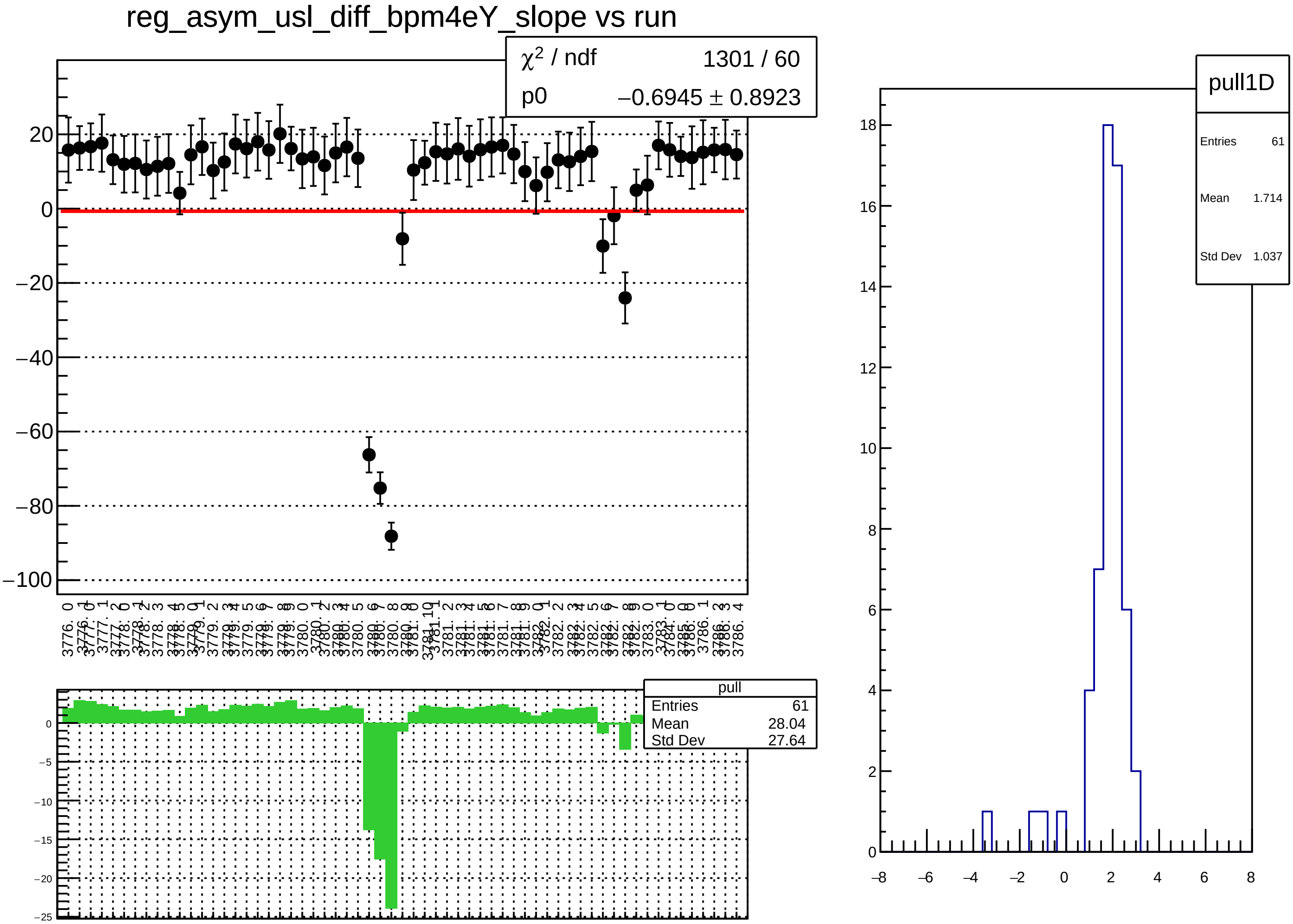
reg_asym_sam8_diff_bpm11X_slope vs run
χ^2 / ndf 3.085 / 60
p0 −1.892 ± 0.4861
pull
Entries 61
Mean 734.9
Std Dev 706.2
pull1D
Entries 61
Mean 0.001624
Std Dev 0.2249



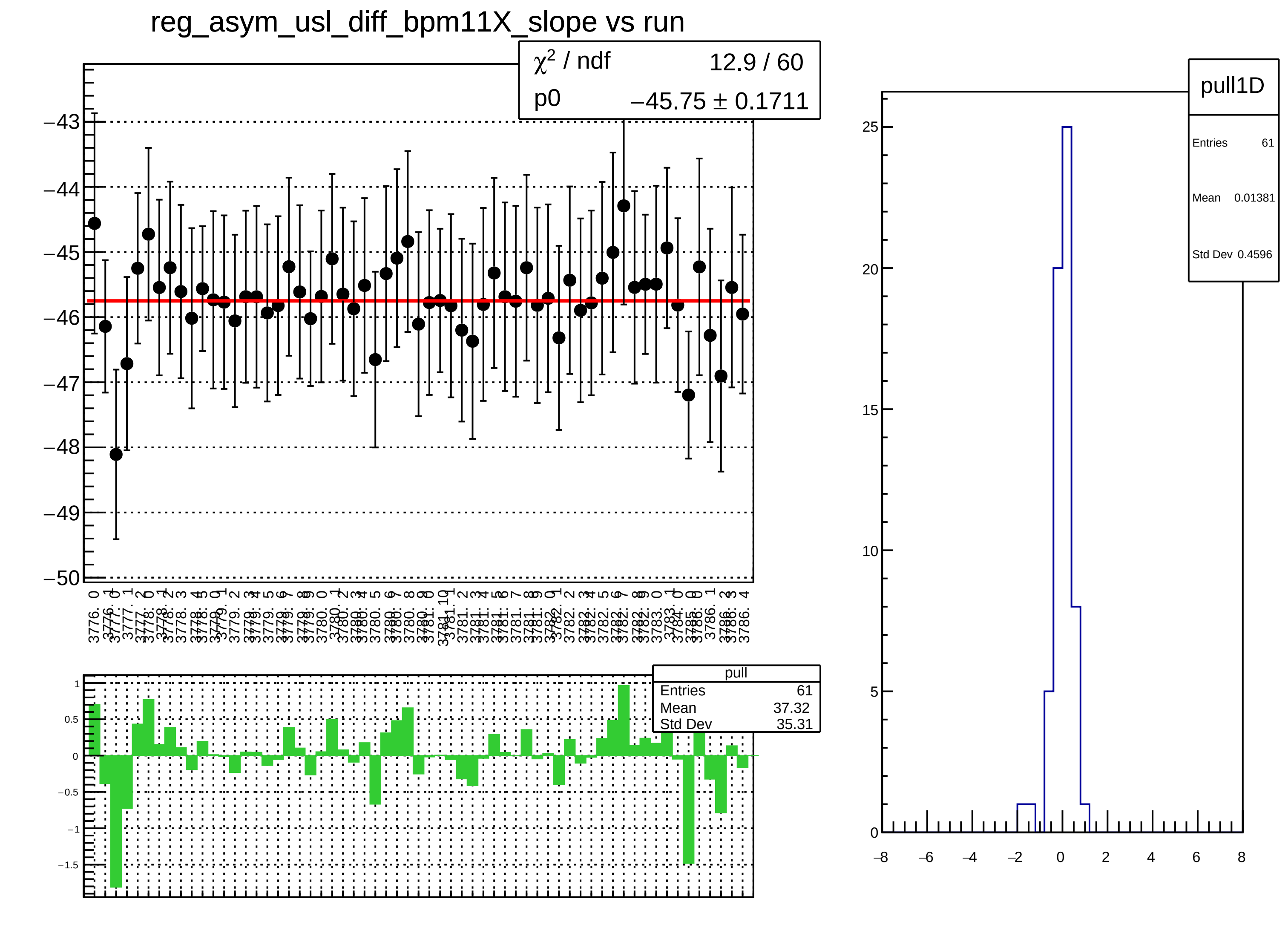
reg_asym_usl_diff_bpm4aX_slope vs run
χ2 / ndf 25.38 / 60
p0 18.29 ± 0.7946
pull
Entries 61
Mean 151
Std Dev 121.2
pull1D
Entries 61
Mean 0.009795
Std Dev 0.645


reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 1212 / 60
p0 9.449 ± 0.572
pull
Entries 61
Mean 28.37
Std Dev 29.25
pull1D
Entries 61
Mean −1.603
Std Dev 1.007

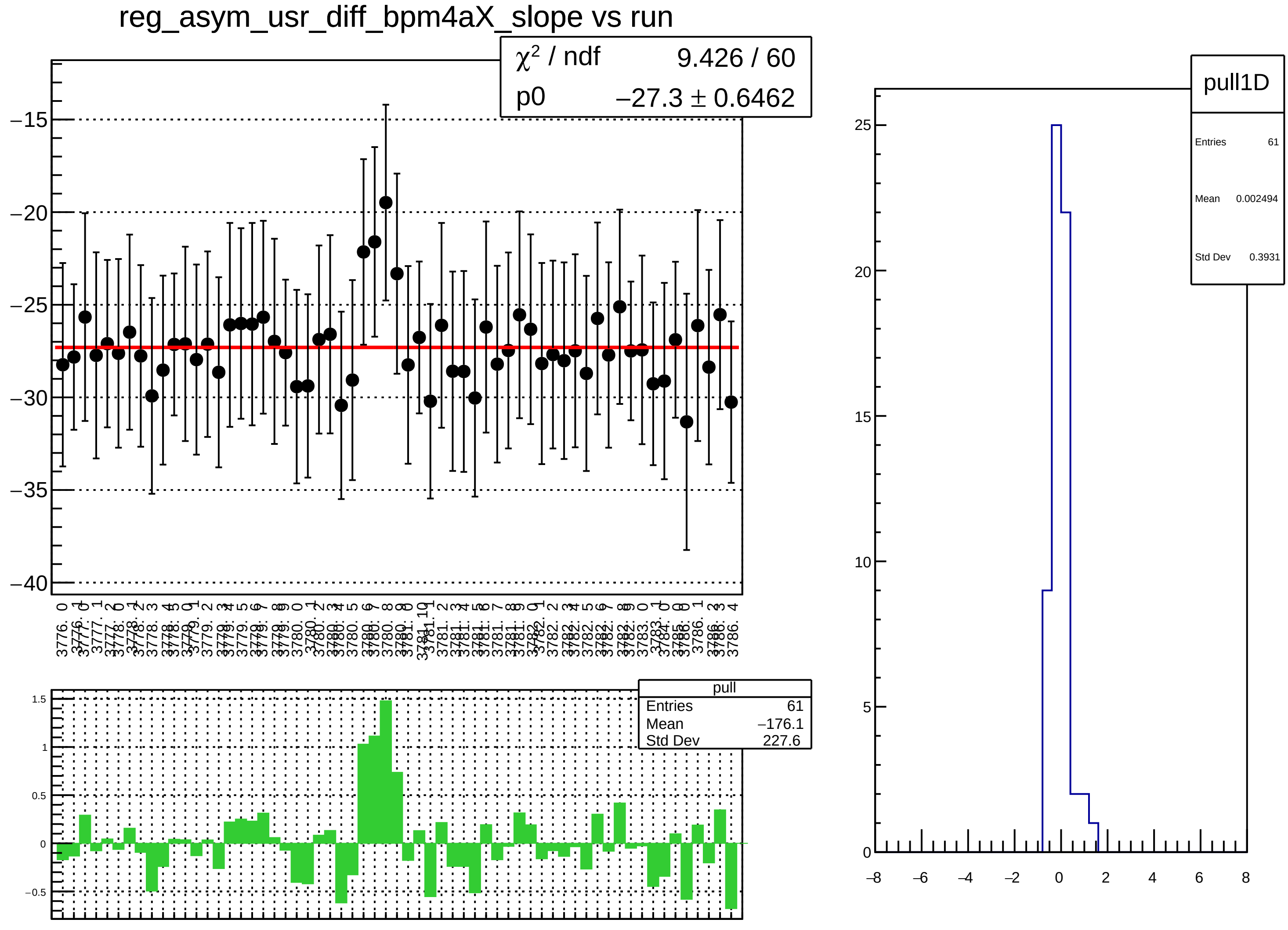

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 70.86 / 60
p0 −68.43 ± 0.1553
pull
Entries 61
Mean 256.2
Std Dev 233.3
pull1D
Entries 61
Mean −0.0396
Std Dev 1.077



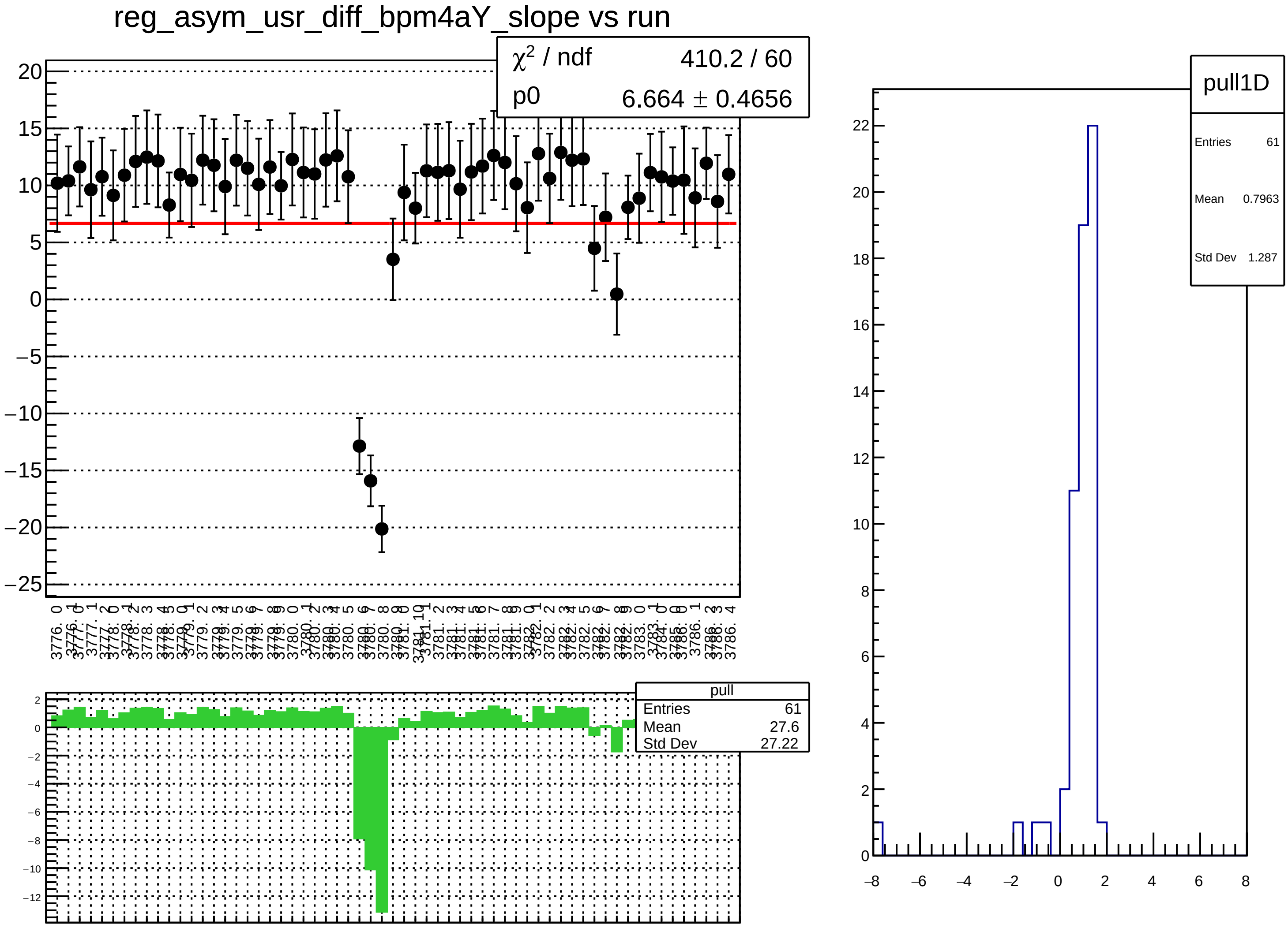
reg_asym_usl_diff_bpm4eY_slope vs run
χ2 / ndf 1301 / 60
p0 −0.6945 ± 0.8923
pull
Entries 61
Mean 28.04
Std Dev 27.64
pull1D
Entries 61
Mean 1.714
Std Dev 1.037



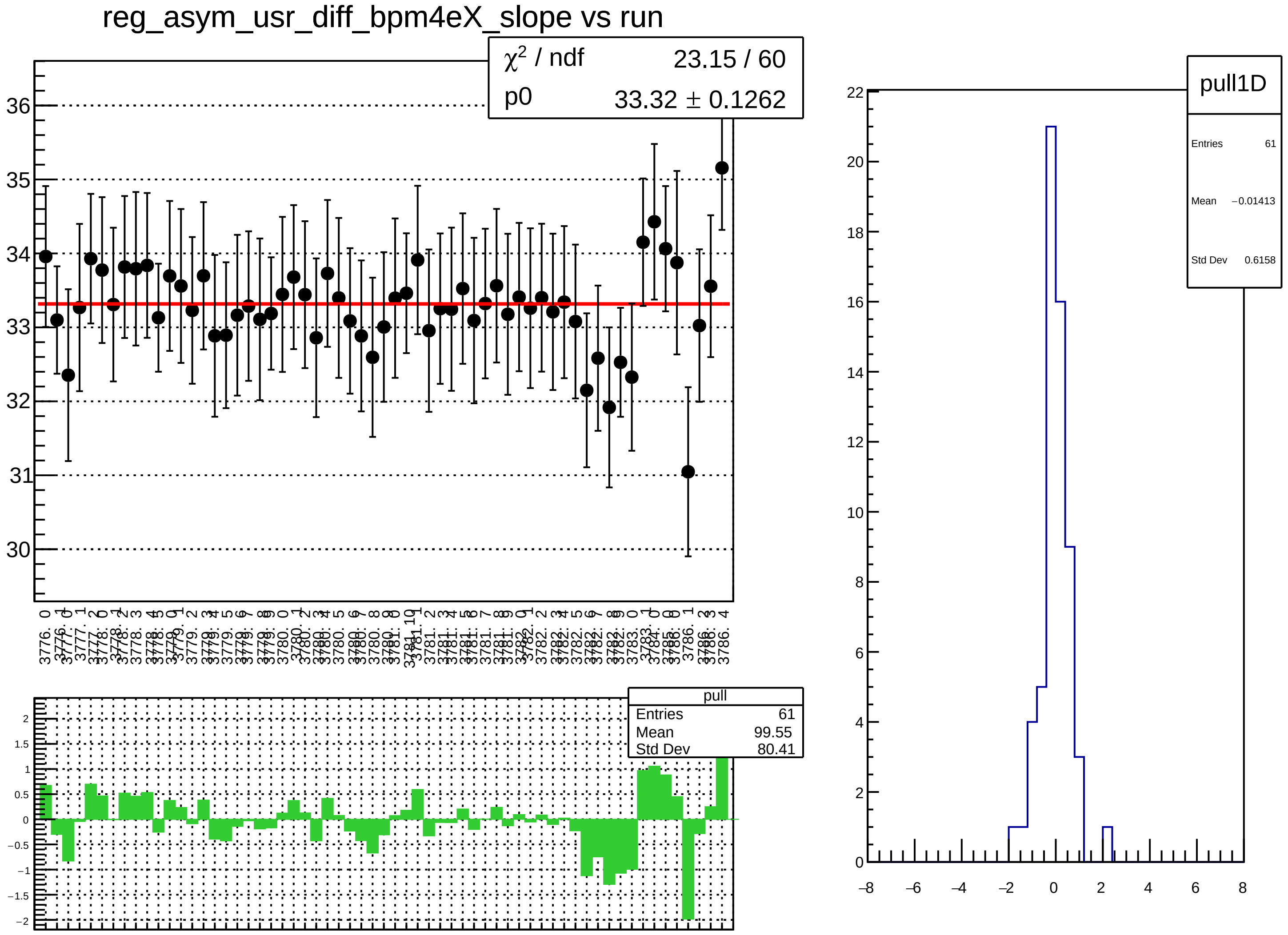
reg_asym_usl_diff_bpm11X_slope vs run
χ^2 / ndf 12.9 / 60
p0 −45.75 ± 0.1711
pull
Entries 61
Mean 37.32
Std Dev 35.31
pull1D
Entries 61
Mean 0.01381
Std Dev 0.4596



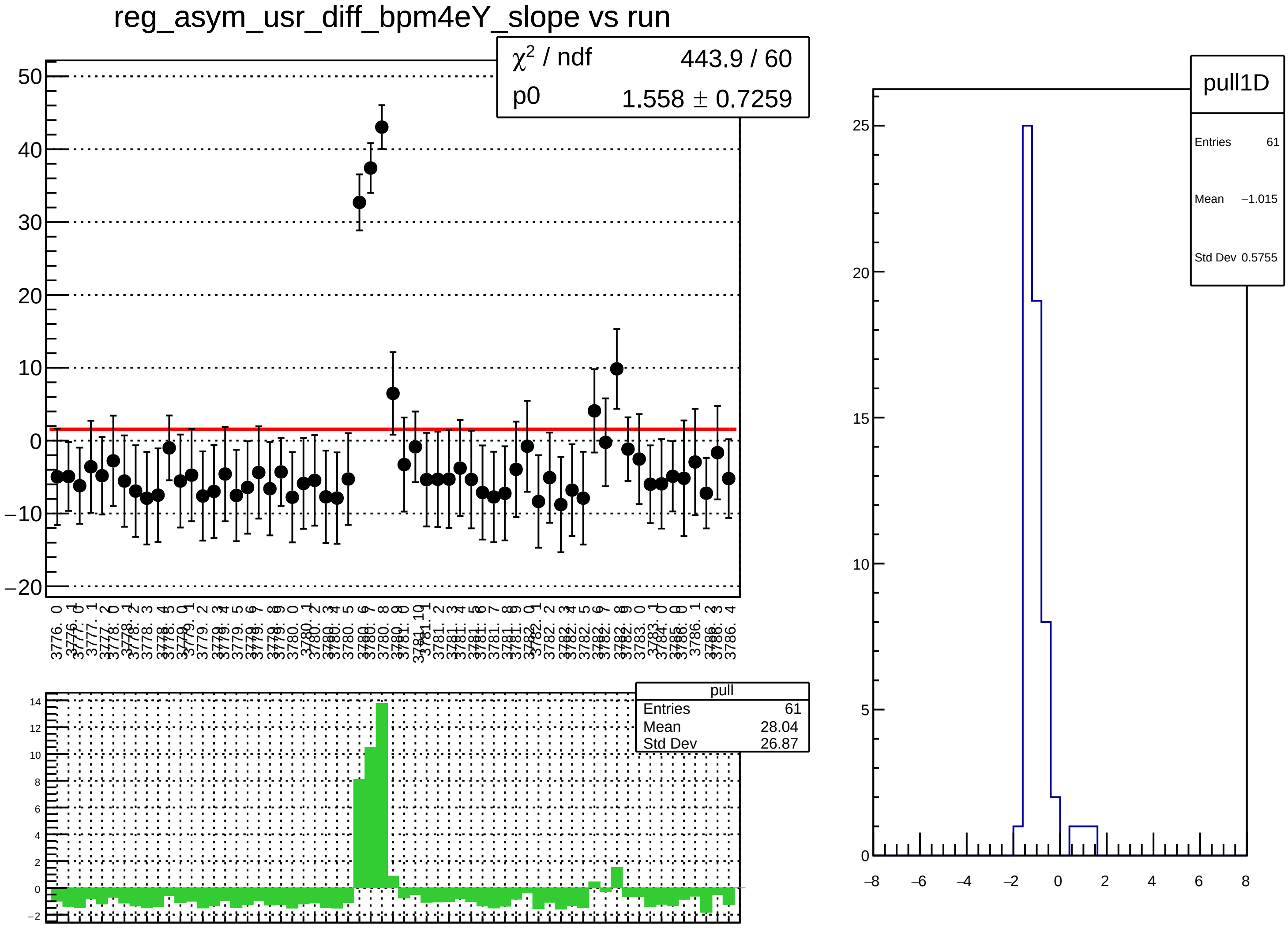
reg_asym_usr_diff_bpm4aX_slope vs run
χ^2 / ndf 9.426 / 60
p0 −27.3 ± 0.6462
pull
Entries 61
Mean −176.1
Std Dev 227.6
pull1D
Entries 61
Mean 0.002494
Std Dev 0.3931



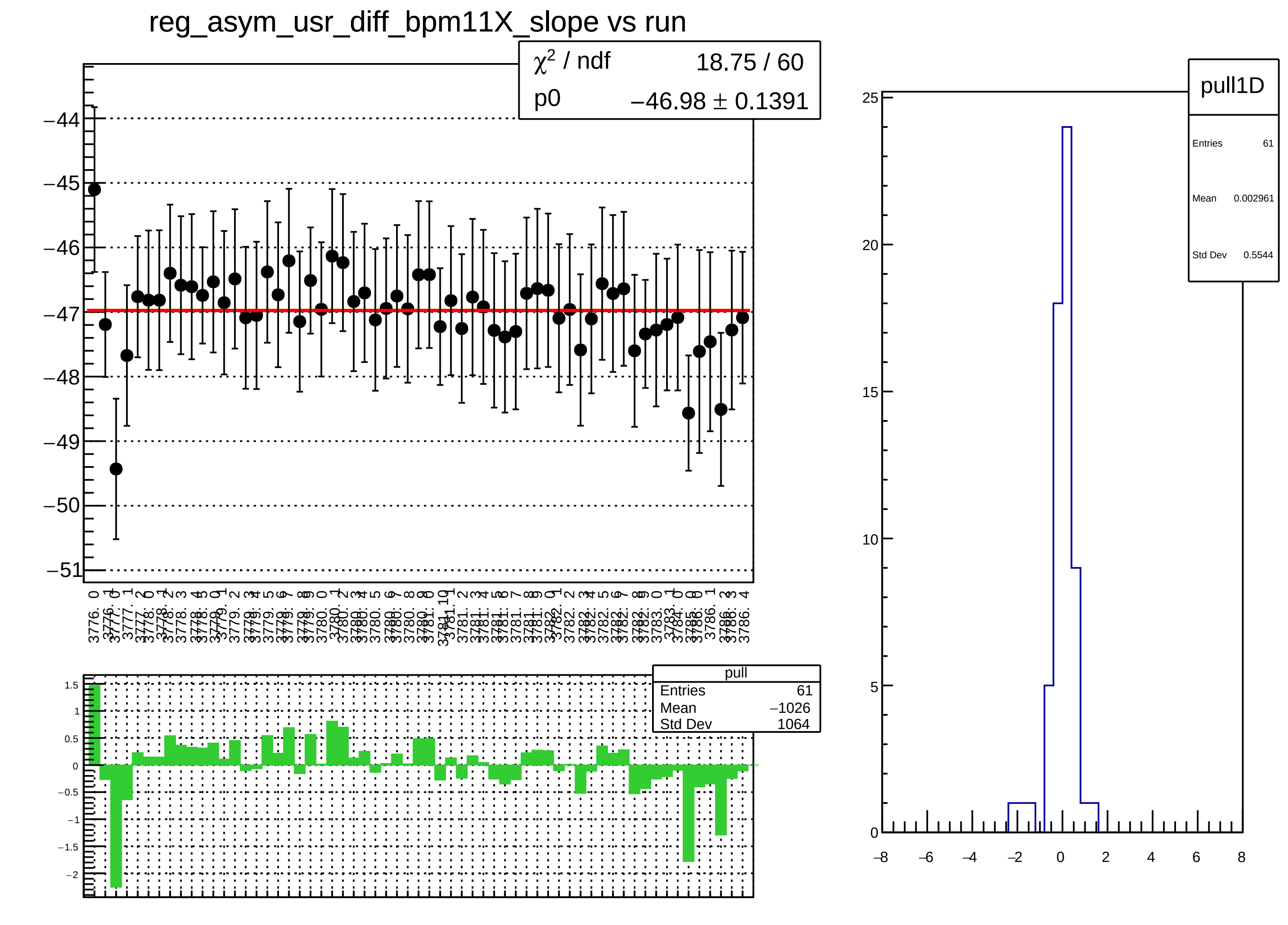
reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 410.2 / 60
p0 6.664 ± 0.4656
pull
Entries 61
Mean 27.6
Std Dev 27.22
pull1D
Entries 61
Mean 0.7963
Std Dev 1.287

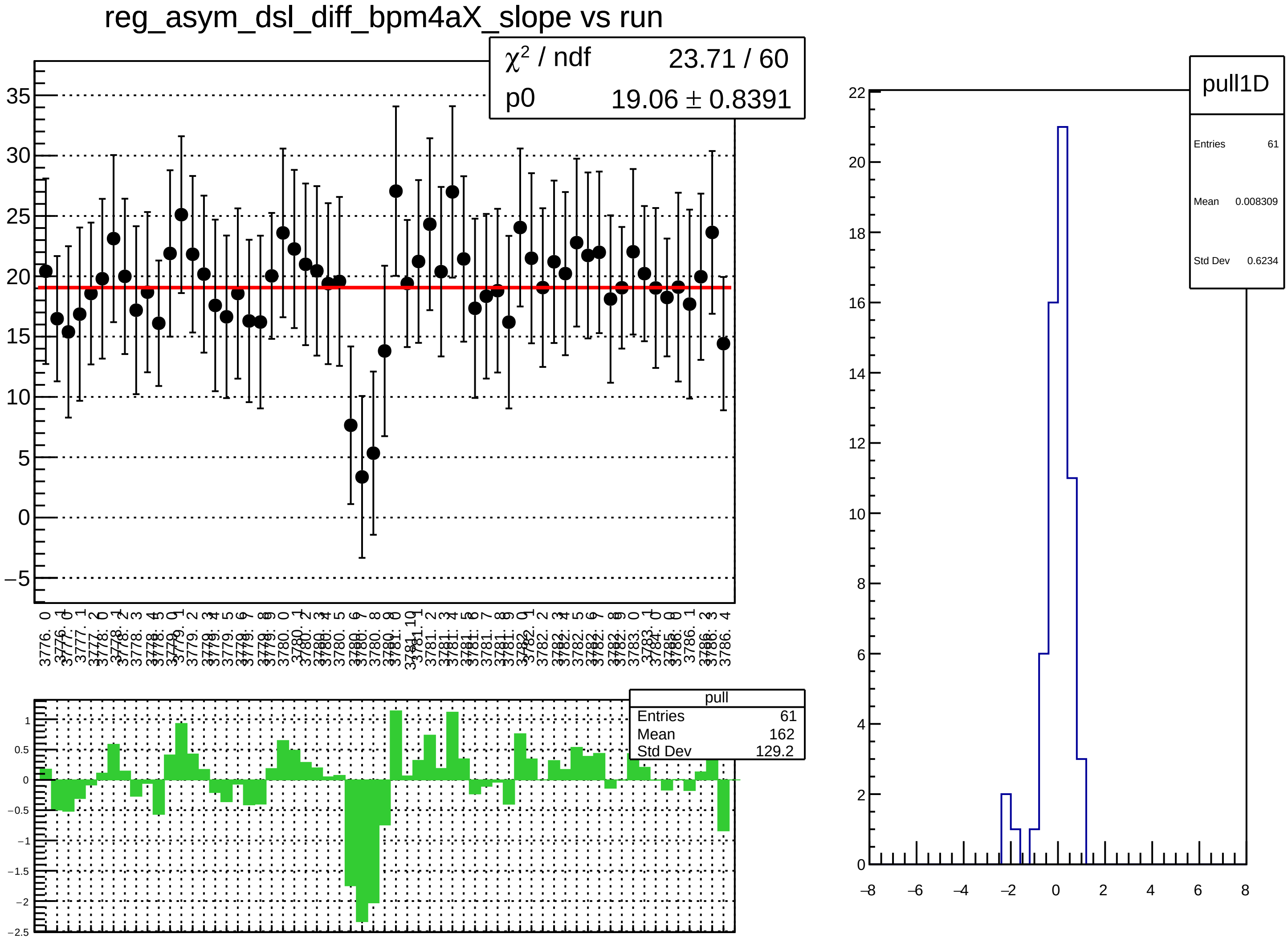


reg_asym_usr_diff_bpm4eX_slope vs run
χ2 / ndf 23.15 / 60
p0 33.32 ± 0.1262
pull
Entries 61
Mean 99.55
Std Dev 80.41
pull1D
Entries 61
Mean −0.01413
Std Dev 0.6158

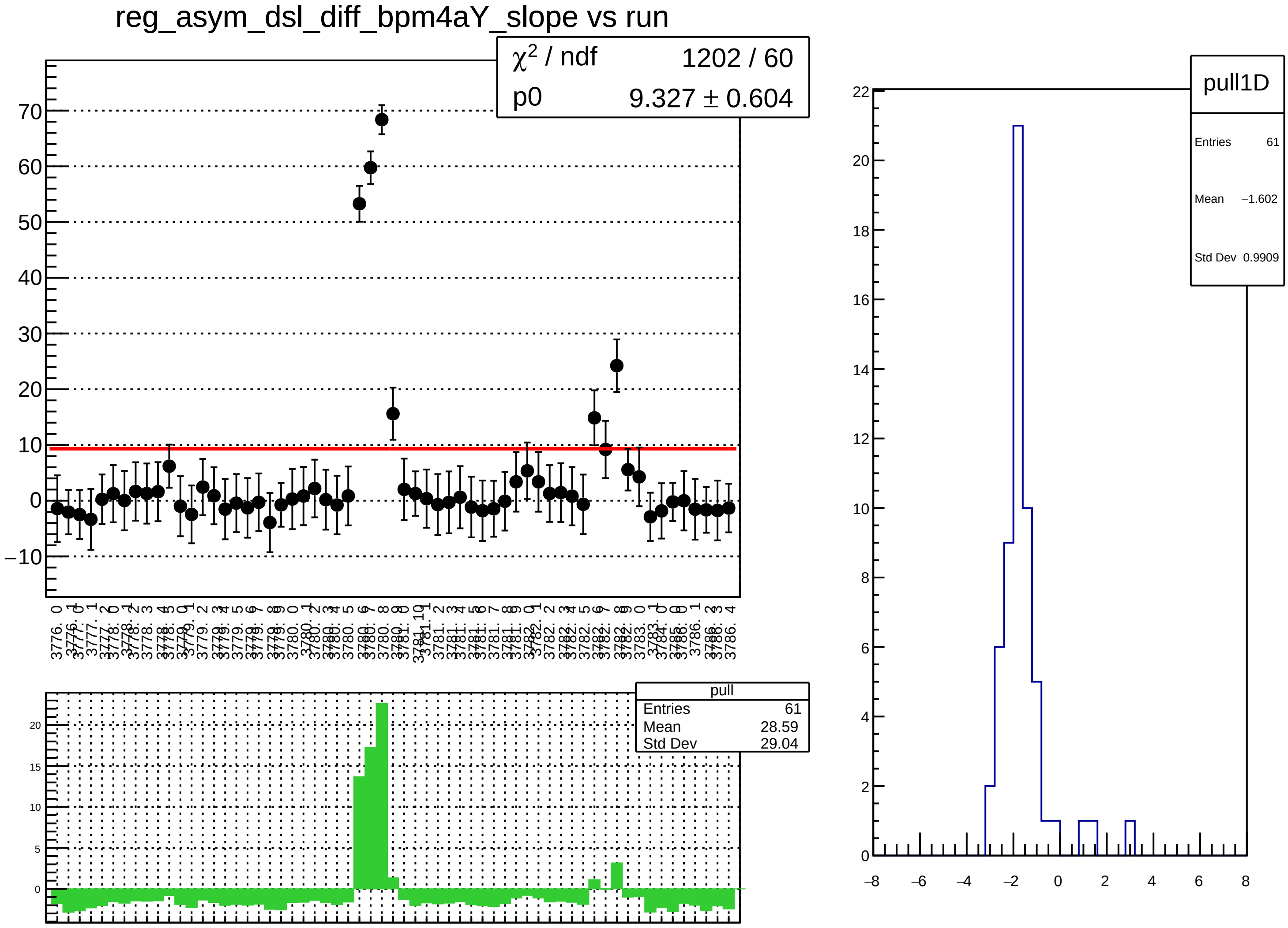


reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 443.9 / 60
p0 1.558 ± 0.7259
pull
Entries 61
Mean 28.04
Std Dev 26.87
pull1D
Entries 61
Mean −1.015
Std Dev 0.5755

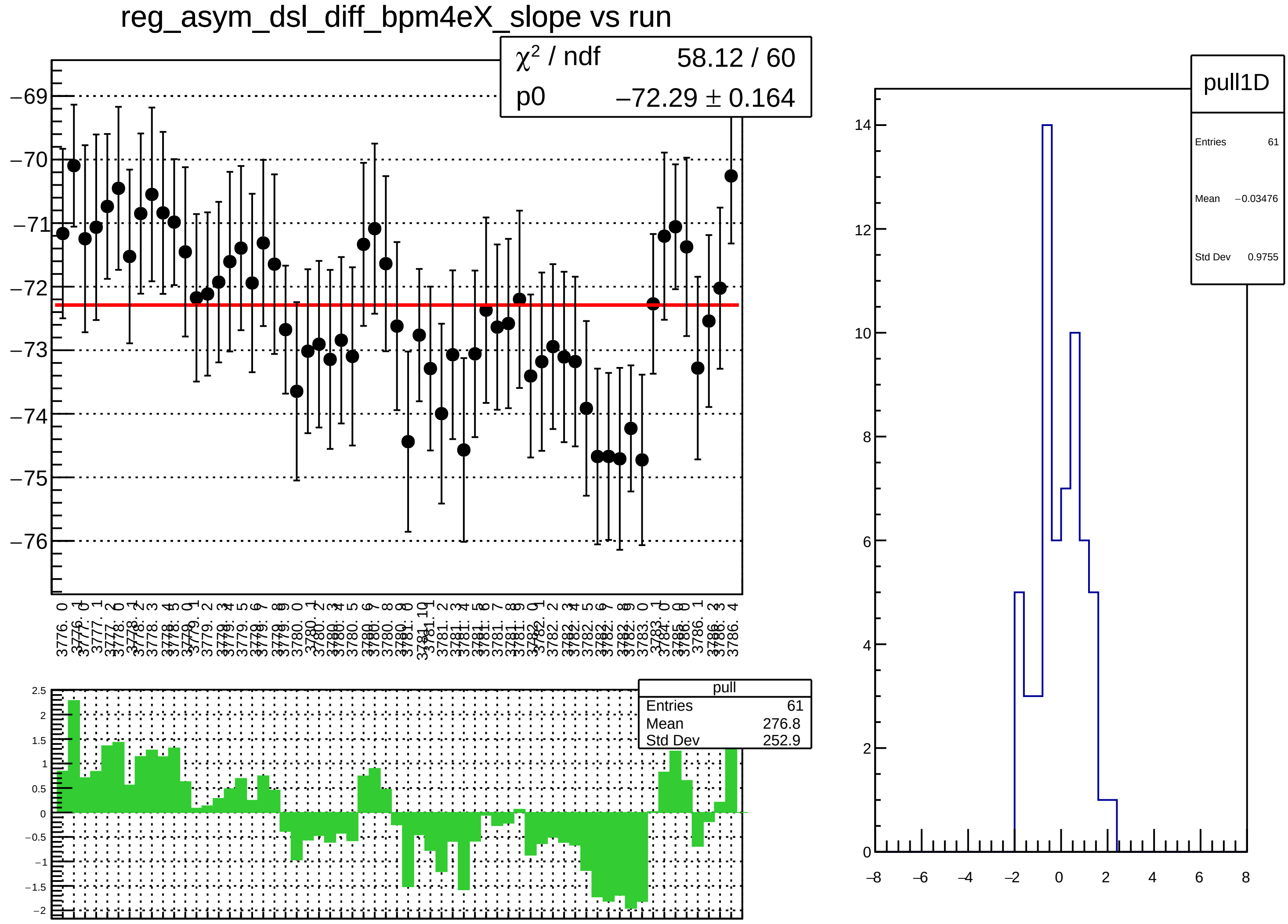

reg_asym_usr_diff_bpm11X_slope vs run
χ2 / ndf 18.75 / 60
p0 −46.98 ± 0.1391
pull
Entries 61
Mean −1026
Std Dev 1064
pull1D
Entries 61
Mean 0.002961
Std Dev 0.5544



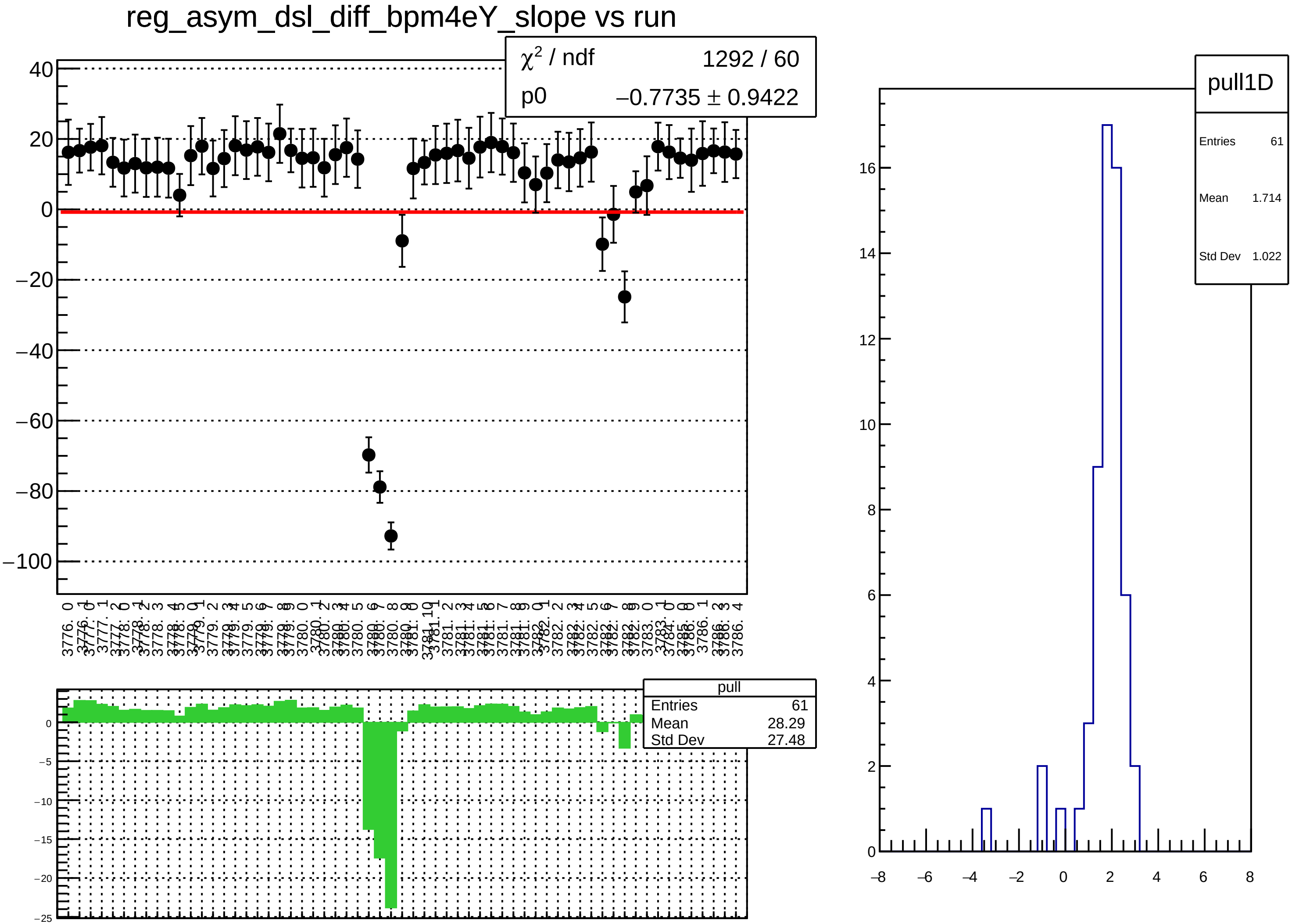
reg_asym_dsl_diff_bpm4aX_slope vs run
χ^2 / ndf 23.71 / 60
p0 19.06 ± 0.8391
pull
Entries 61
Mean 162
Std Dev 129.2
pull1D
Entries 61
Mean 0.008309
Std Dev 0.6234



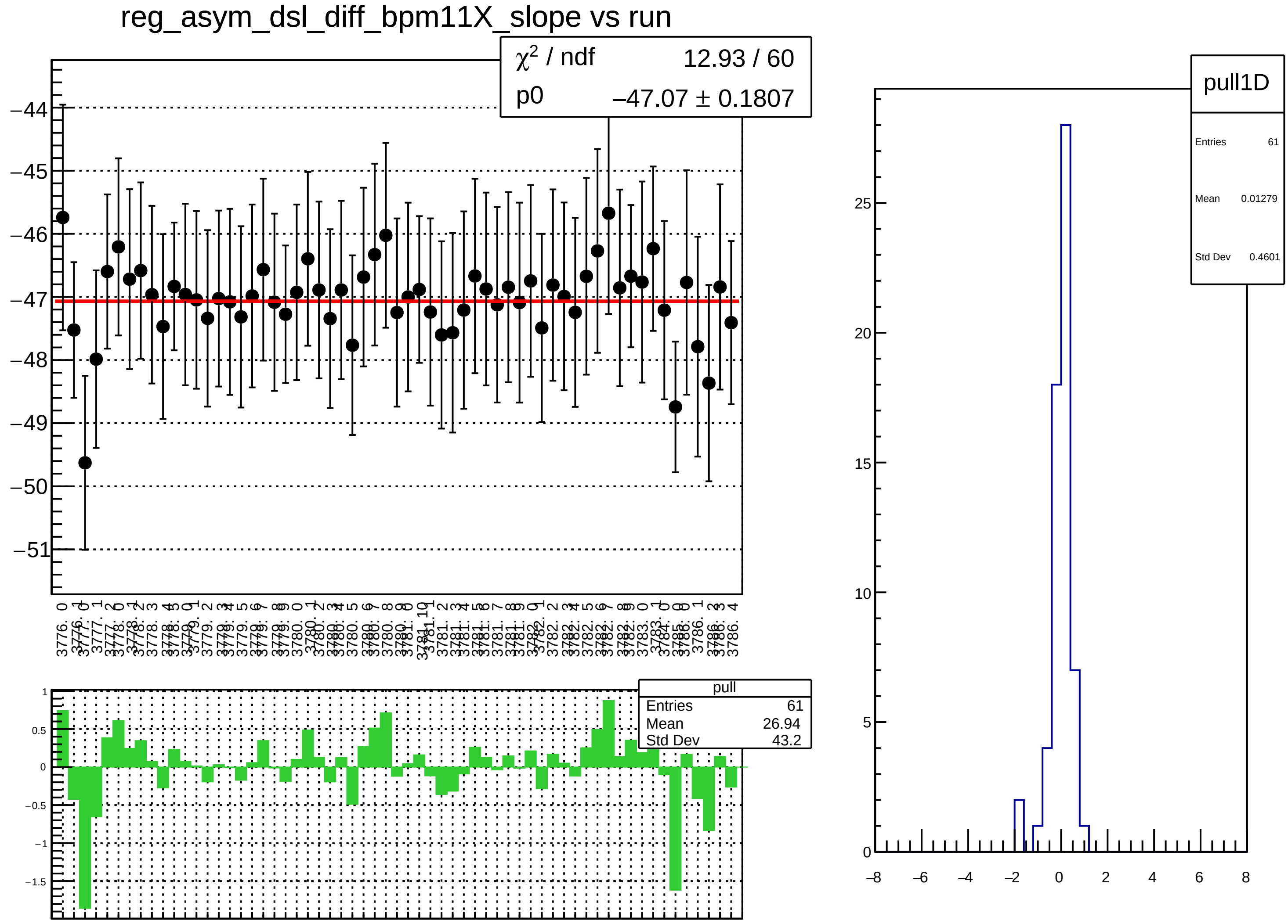
reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 1202 / 60
p0 9.327 ± 0.604
pull
Entries 61
Mean 28.59
Std Dev 29.04
pull1D
Entries 61
Mean −1.602
Std Dev 0.9909



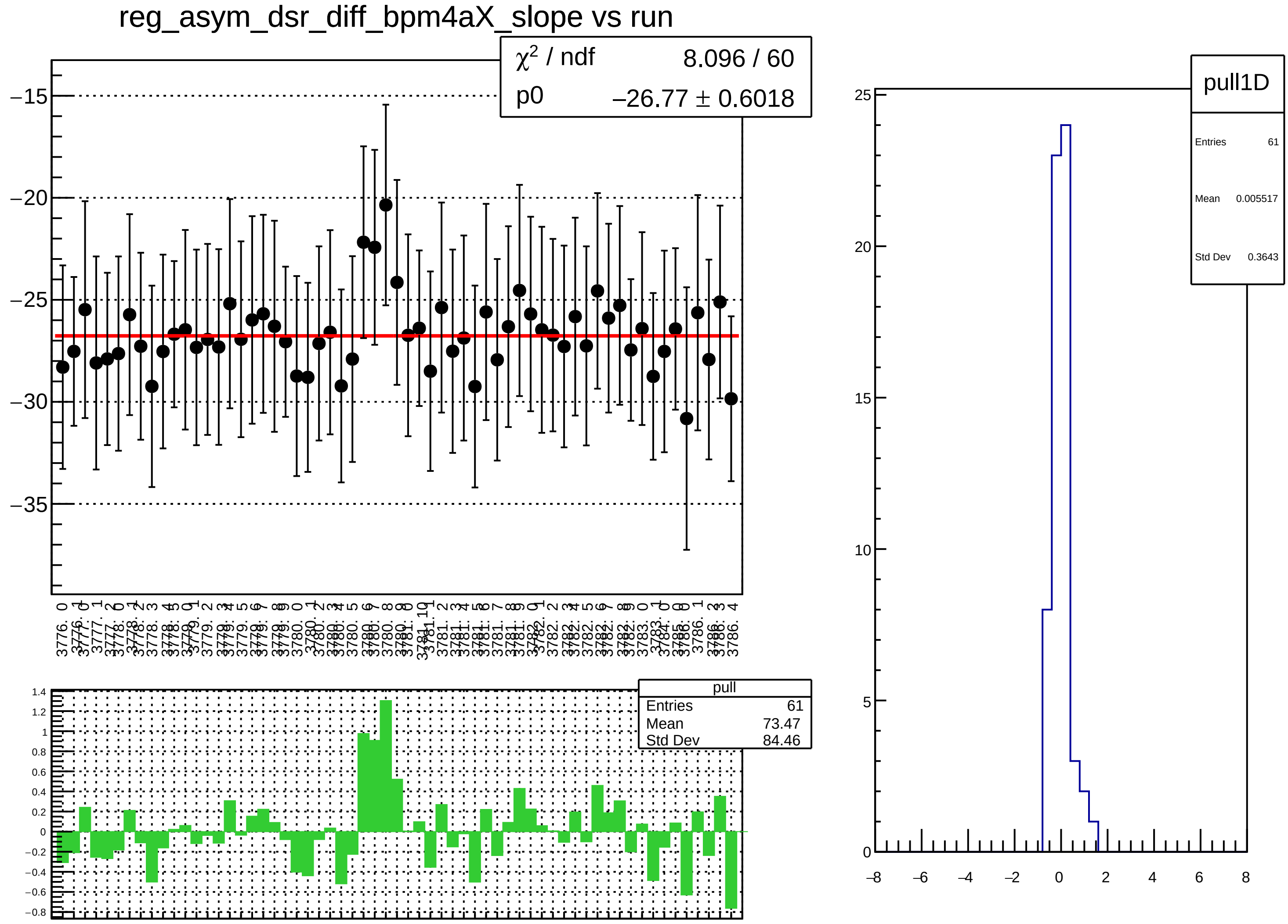
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 58.12 / 60
p0 −72.29 ± 0.164
pull
Entries 61
Mean 276.8
Std Dev 252.9
pull1D
Entries 61
Mean −0.03476
Std Dev 0.9755



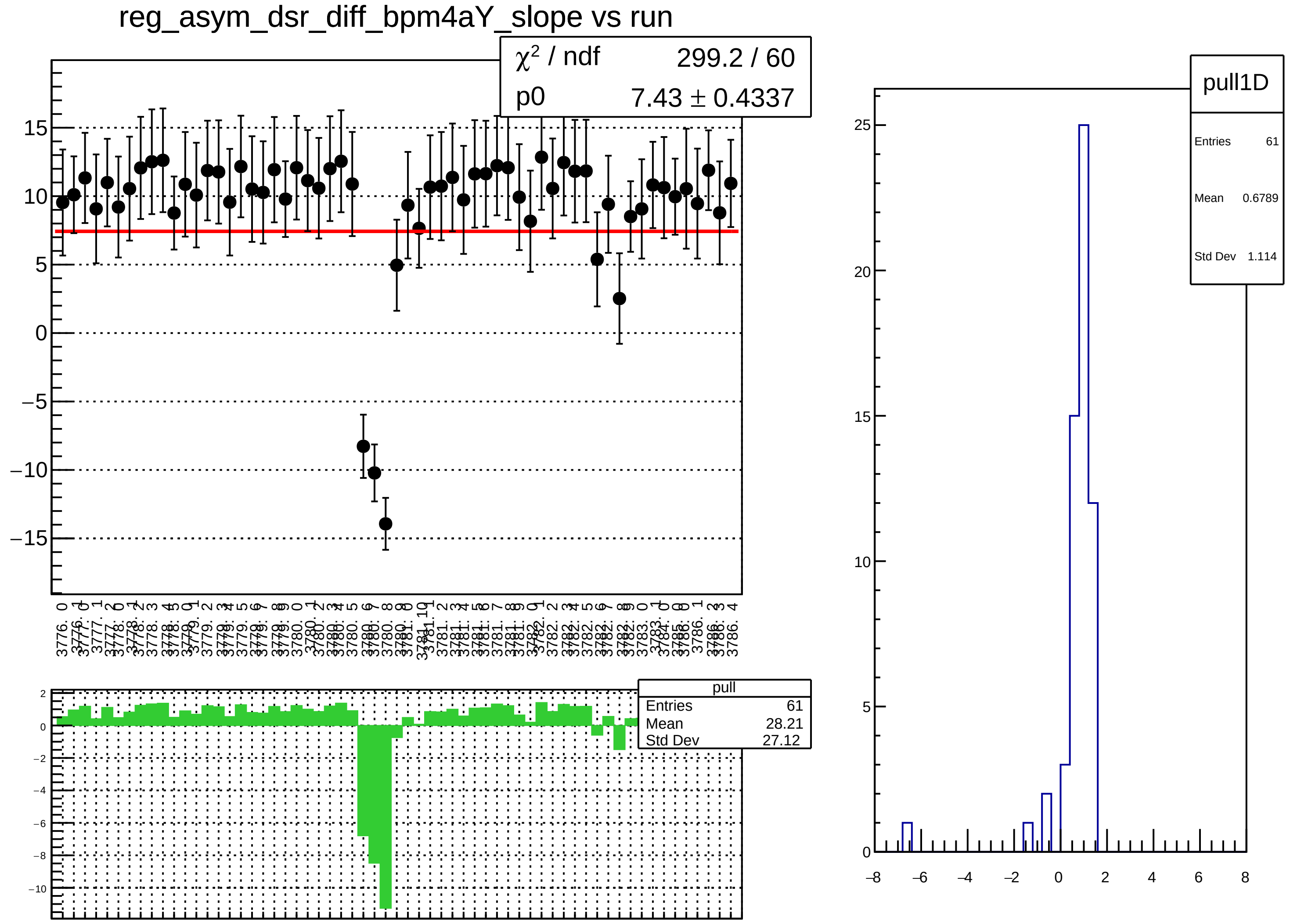
reg_asym_dsl_diff_bpm4eY_slope vs run
χ2 / ndf 1292 / 60
p0 −0.7735 ± 0.9422
pull
Entries 61
Mean 28.29
Std Dev 27.48
pull1D
Entries 61
Mean 1.714
Std Dev 1.022



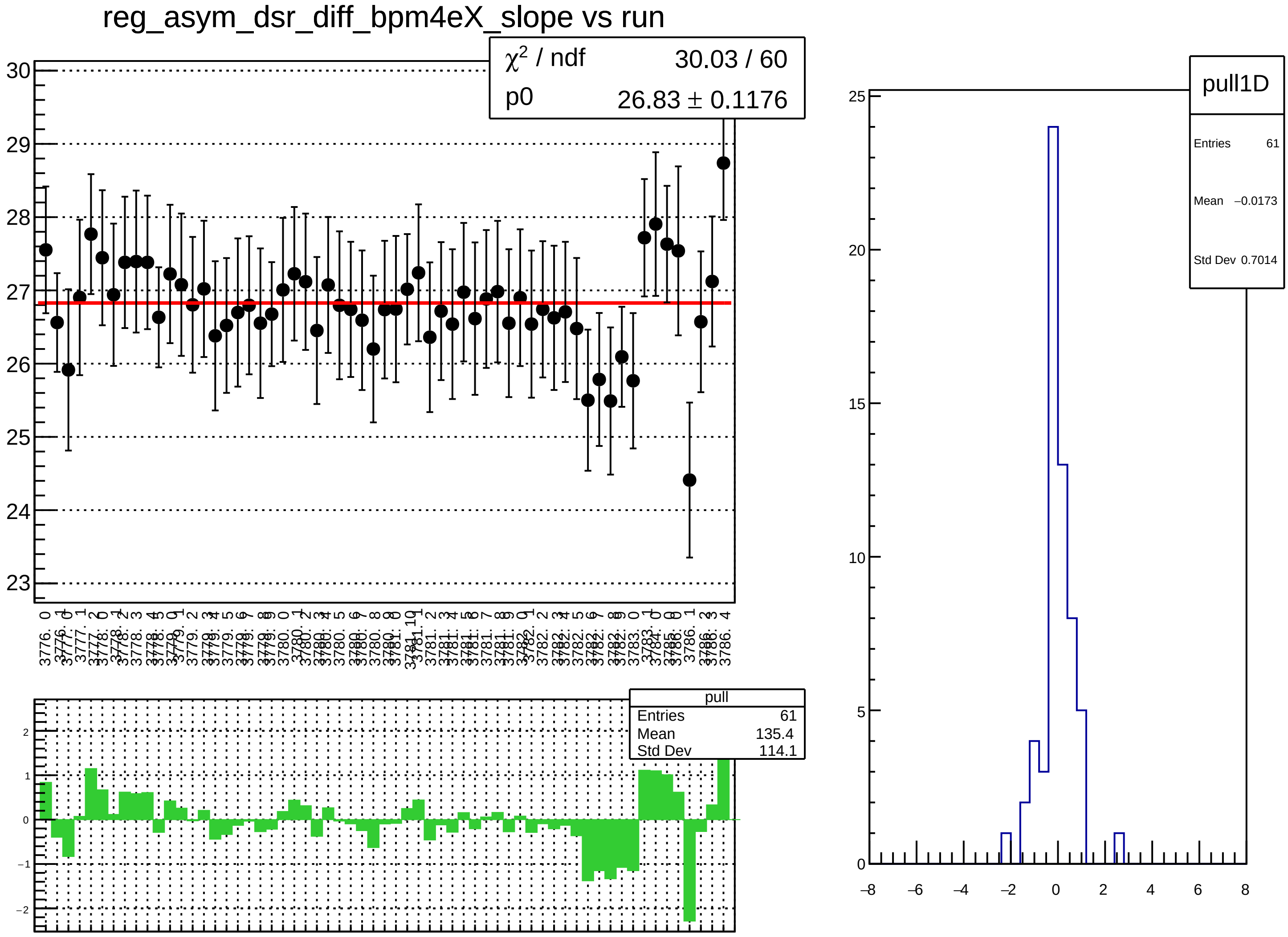
reg_asym_dsl_diff_bpm11X_slope vs run
χ^2 / ndf 12.93 / 60
p0 −47.07 ± 0.1807
−44
−45
−46
−47
−48
−49
−50
−51
pull
Entries 61
Mean 26.94
Std Dev 43.2
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 61
Mean 0.01279
Std Dev 0.4601
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



reg_asym_dsr_diff_bpm4aX_slope vs run
χ2 / ndf 8.096 / 60
p0 −26.77 ± 0.6018
pull
Entries 61
Mean 73.47
Std Dev 84.46
pull1D
Entries 61
Mean 0.005517
Std Dev 0.3643

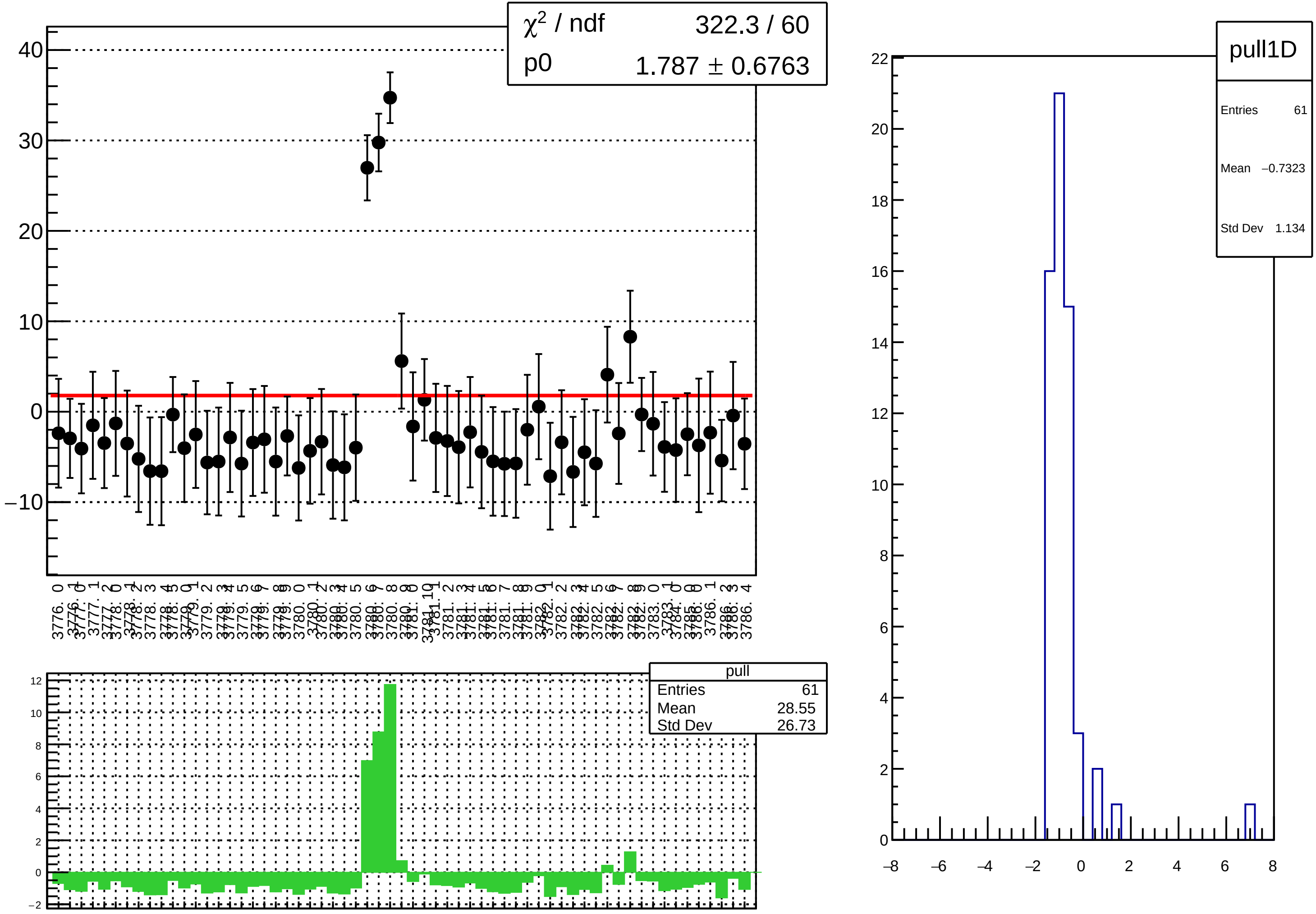


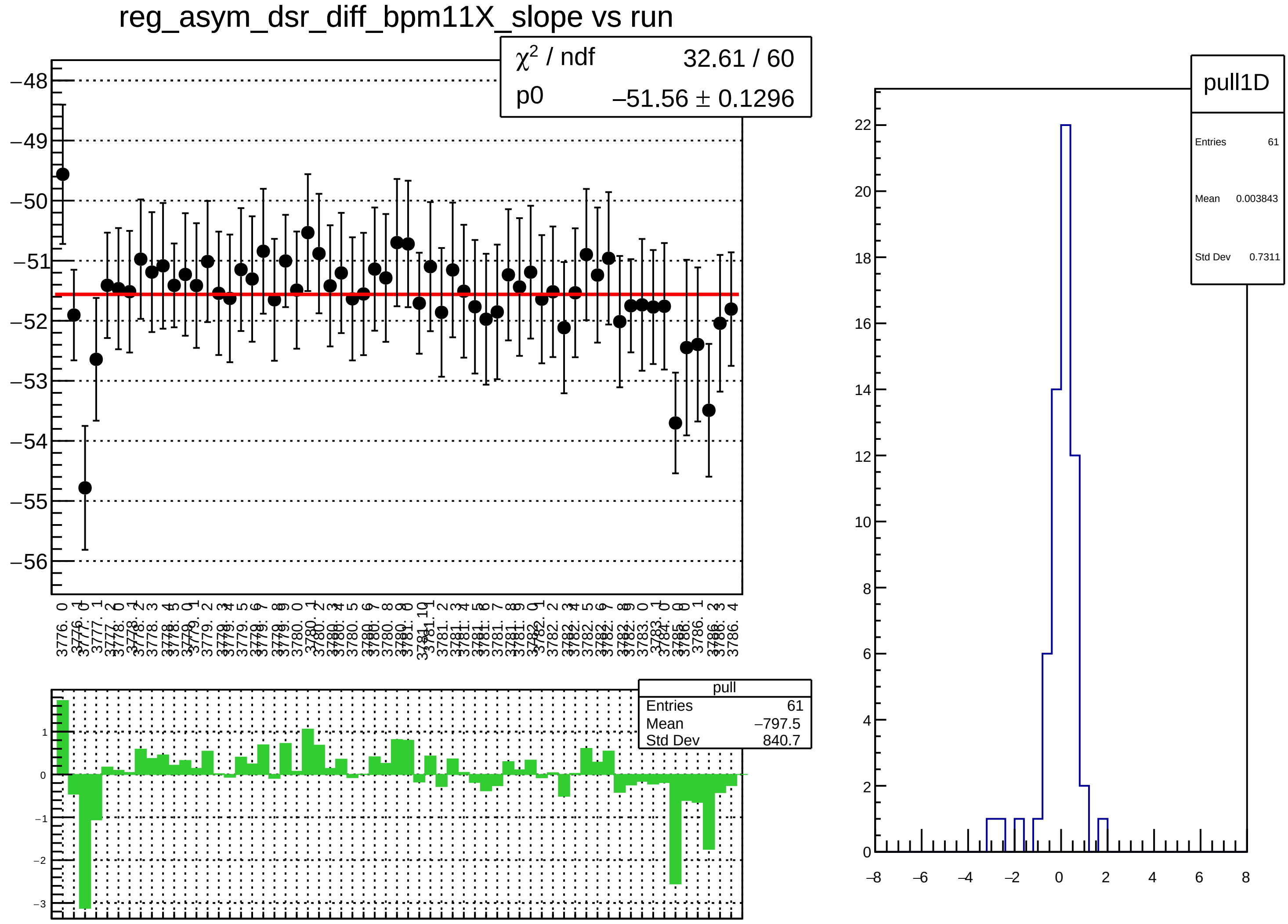
reg_asym_dsr_diff_bpm4aY_slope vs run
χ2 / ndf 299.2 / 60
p0 7.43 ± 0.4337
pull
Entries 61
Mean 28.21
Std Dev 27.12
pull1D
Entries 61
Mean 0.6789
Std Dev 1.114



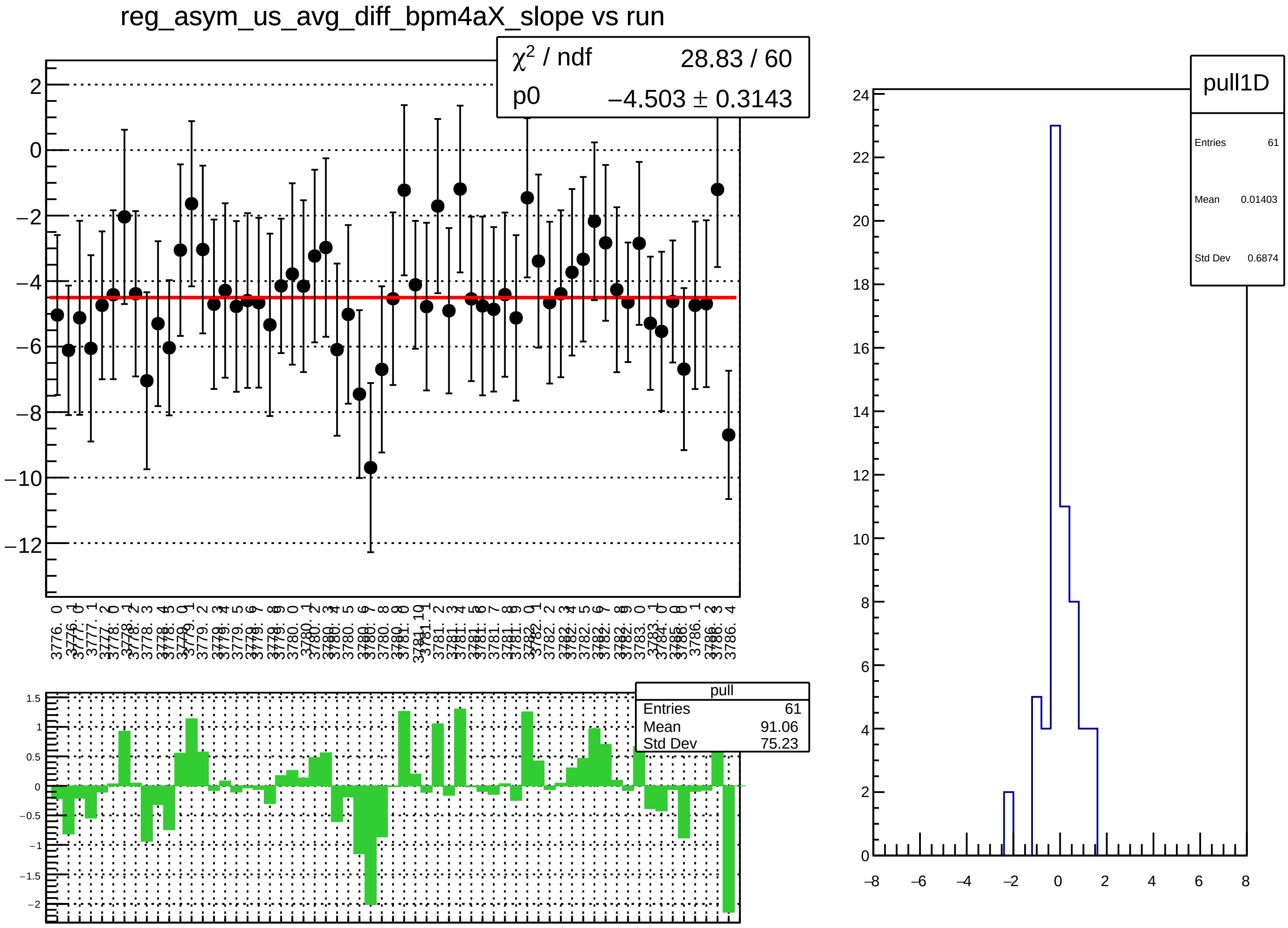
reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 30.03 / 60
p0 26.83 ± 0.1176
pull
Entries 61
Mean 135.4
Std Dev 114.1
pull1D
Entries 61
Mean −0.0173
Std Dev 0.7014

reg_asym_dsr_diff_bpm4eY_slope vs run

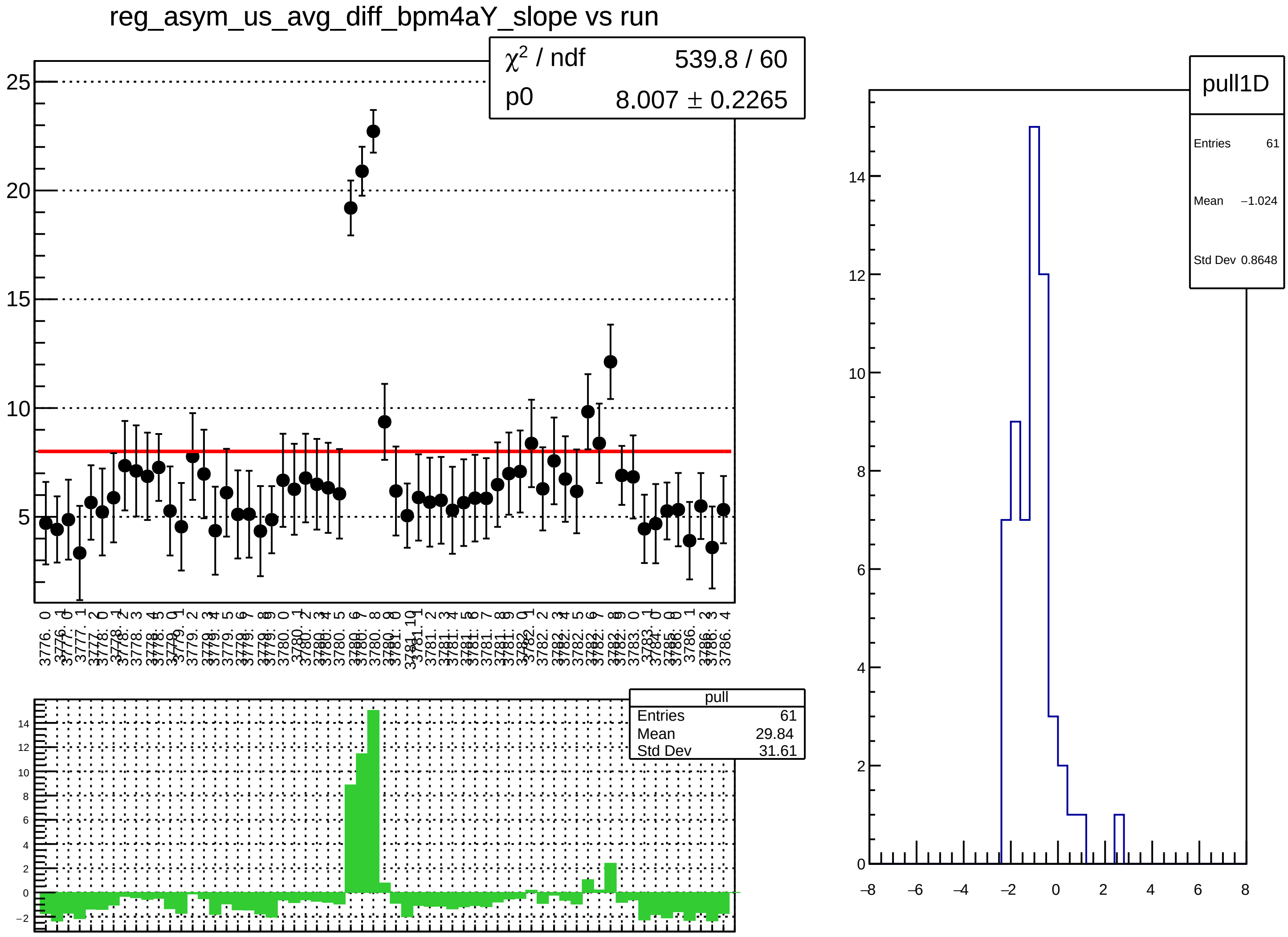




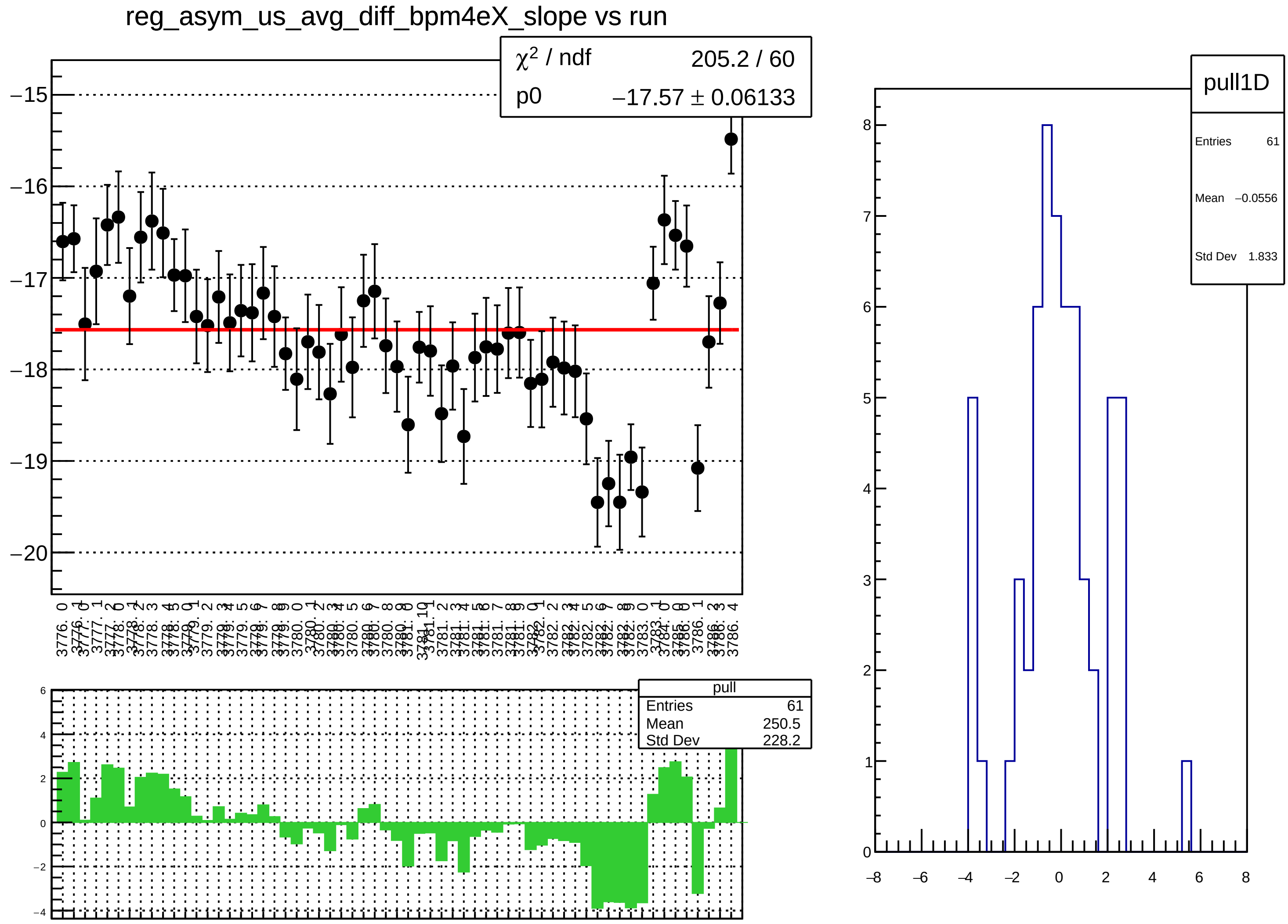
reg_asym_dsr_diff_bpm11X_slope vs run
χ2 / ndf 32.61 / 60
p0 −51.56 ± 0.1296
pull
Entries 61
Mean −797.5
Std Dev 840.7
pull1D
Entries 61
Mean 0.003843
Std Dev 0.7311



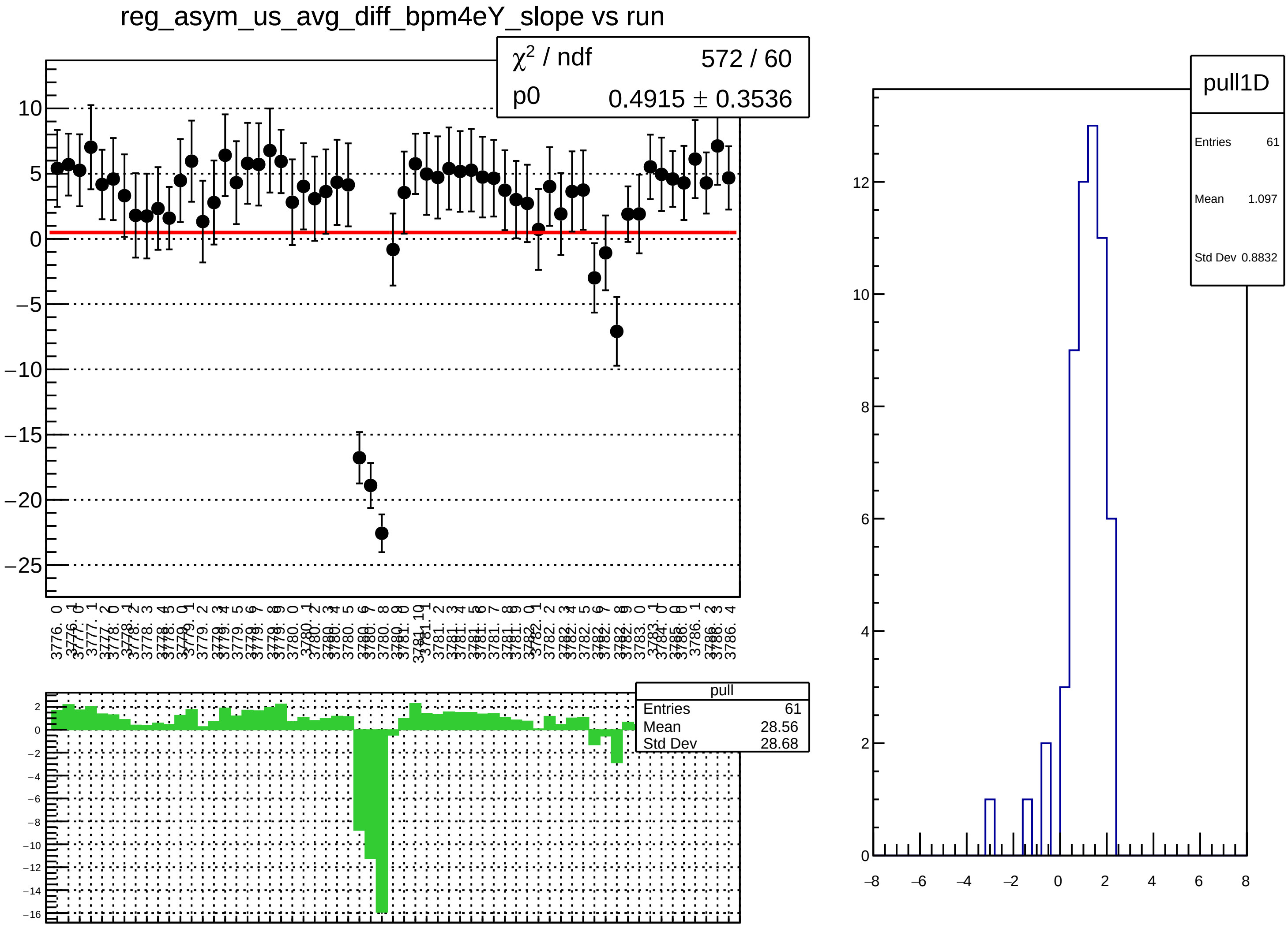
reg_asym_us_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 28.83 / 60
p0 −4.503 ± 0.3143
pull
Entries 61
Mean 91.06
Std Dev 75.23
pull1D
Entries 61
Mean 0.01403
Std Dev 0.6874



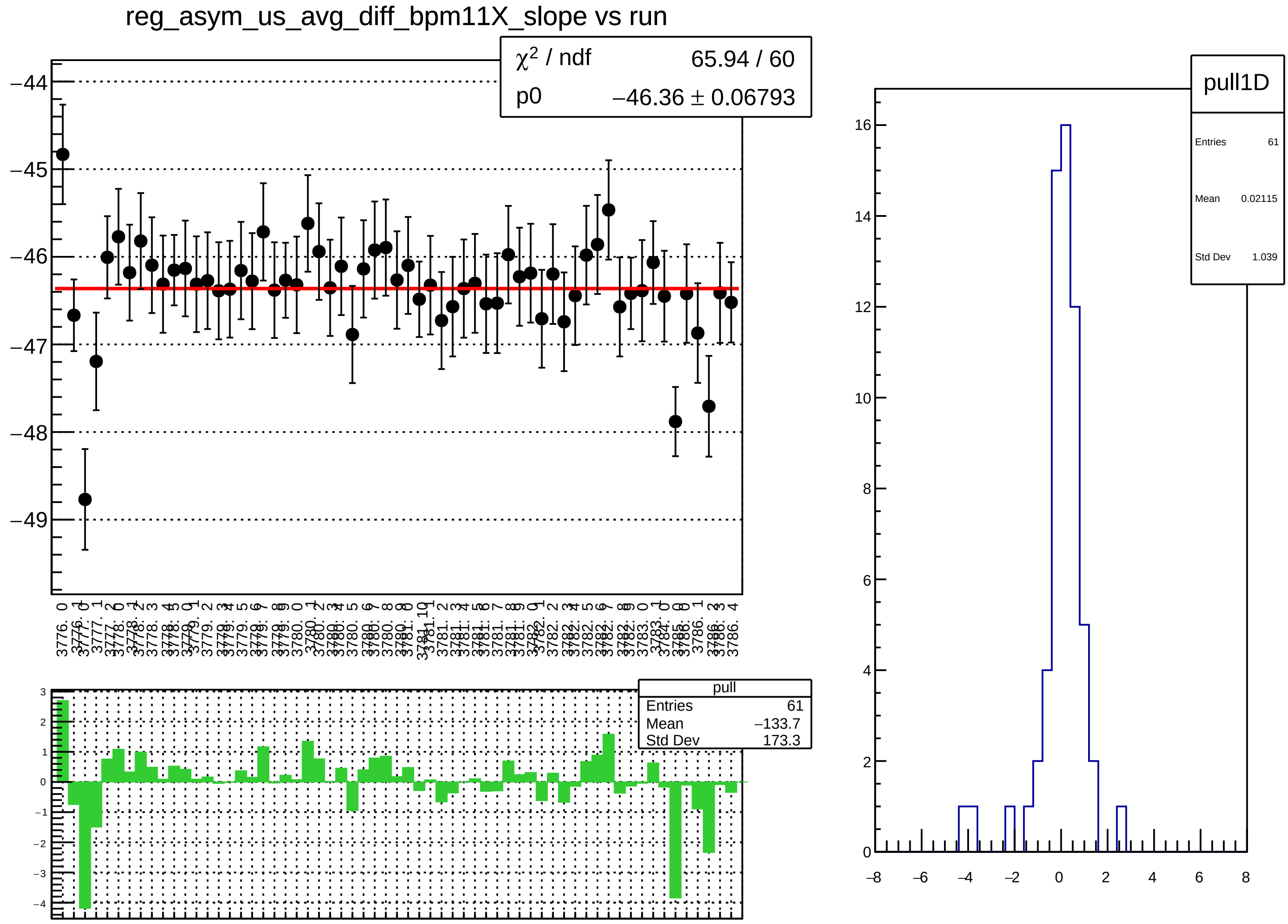
reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 539.8 / 60
p0 8.007 ± 0.2265
pull
Entries 61
Mean 29.84
Std Dev 31.61
pull1D
Entries 61
Mean −1.024
Std Dev 0.8648



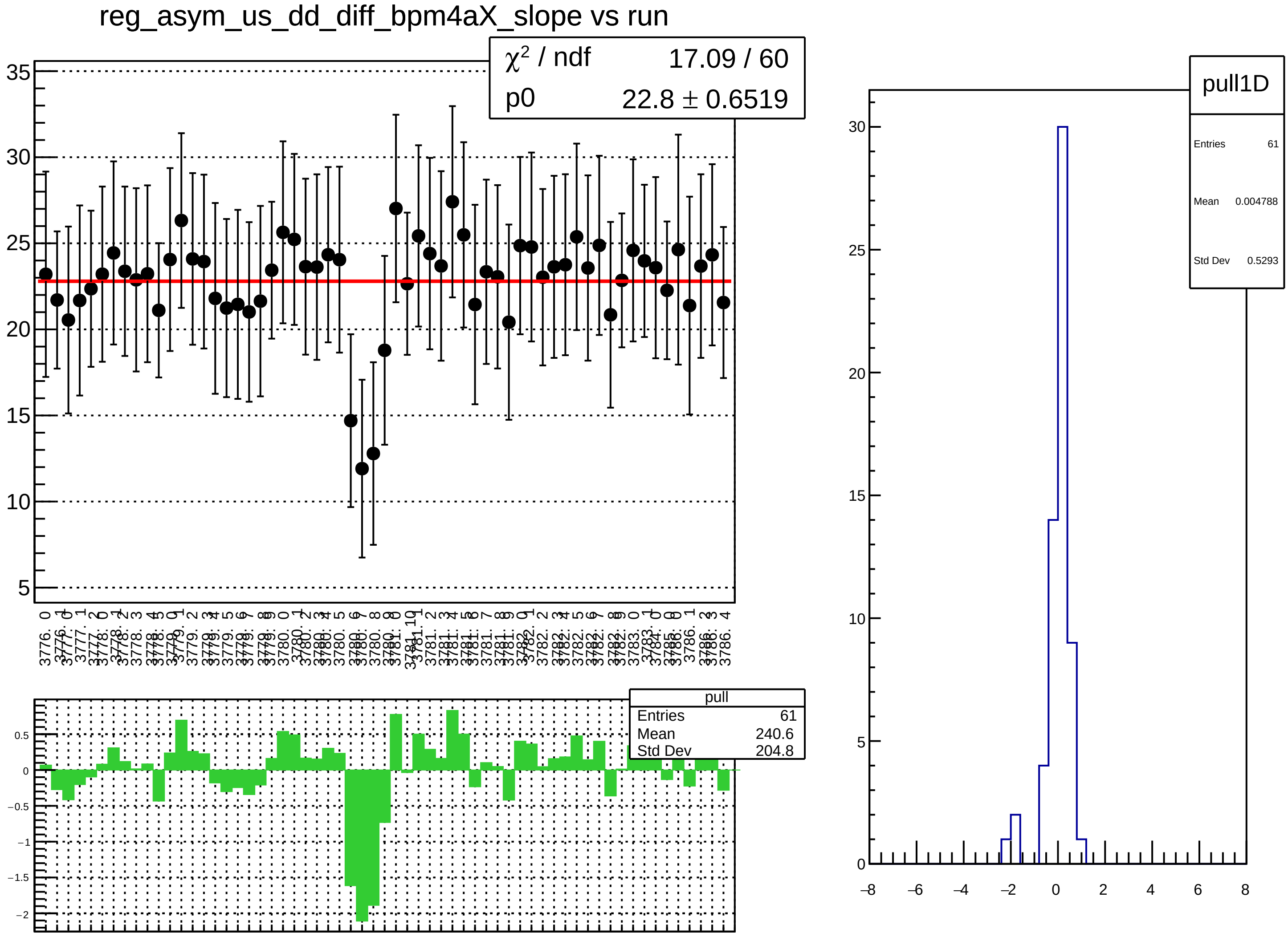
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 205.2 / 60
p0 −17.57 ± 0.06133
pull
Entries 61
Mean 250.5
Std Dev 228.2
pull1D
Entries 61
Mean −0.0556
Std Dev 1.833



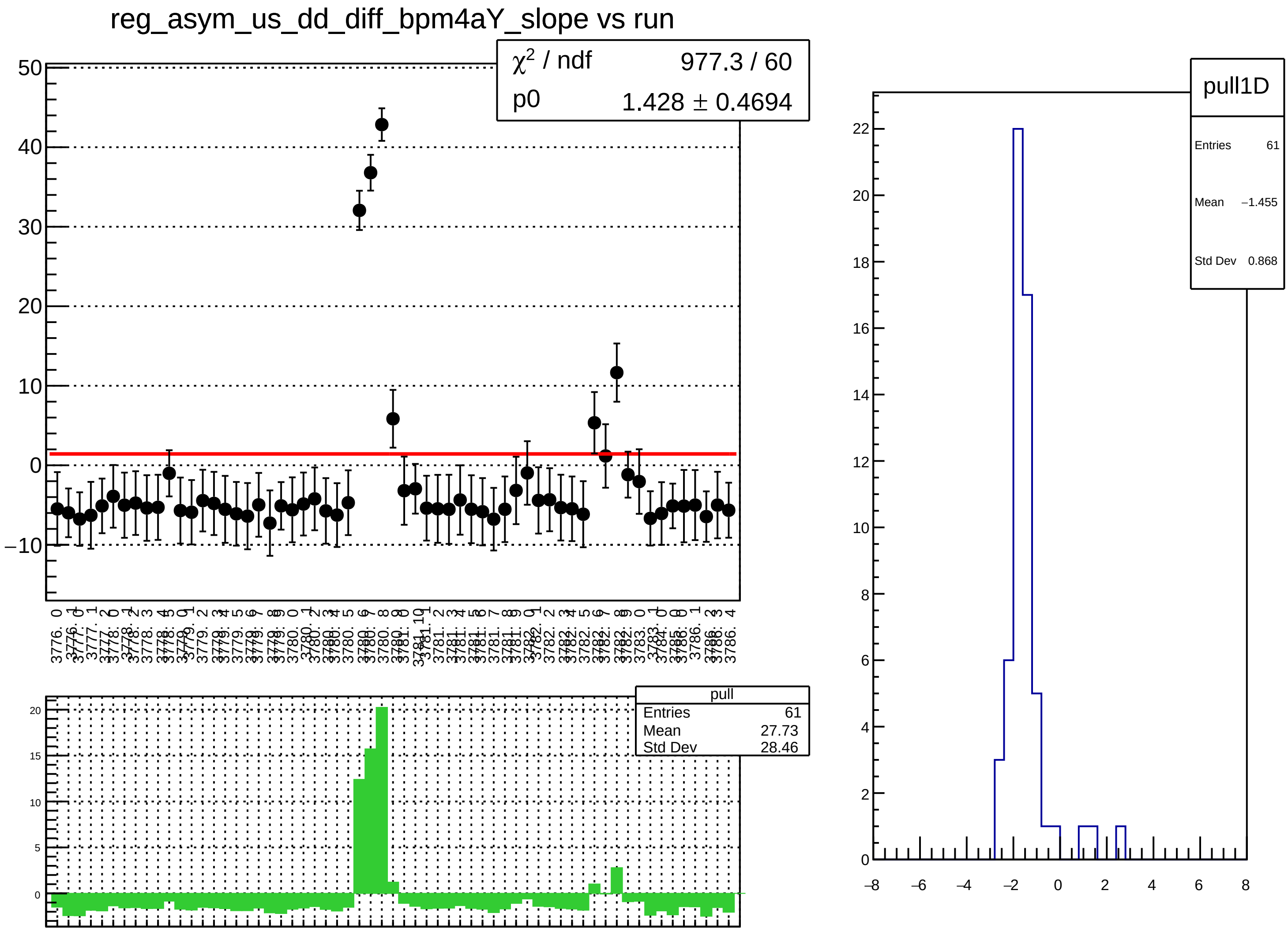
reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 572 / 60
p0 0.4915 ± 0.3536
pull
Entries 61
Mean 28.56
Std Dev 28.68
pull1D
Entries 61
Mean 1.097
Std Dev 0.8832

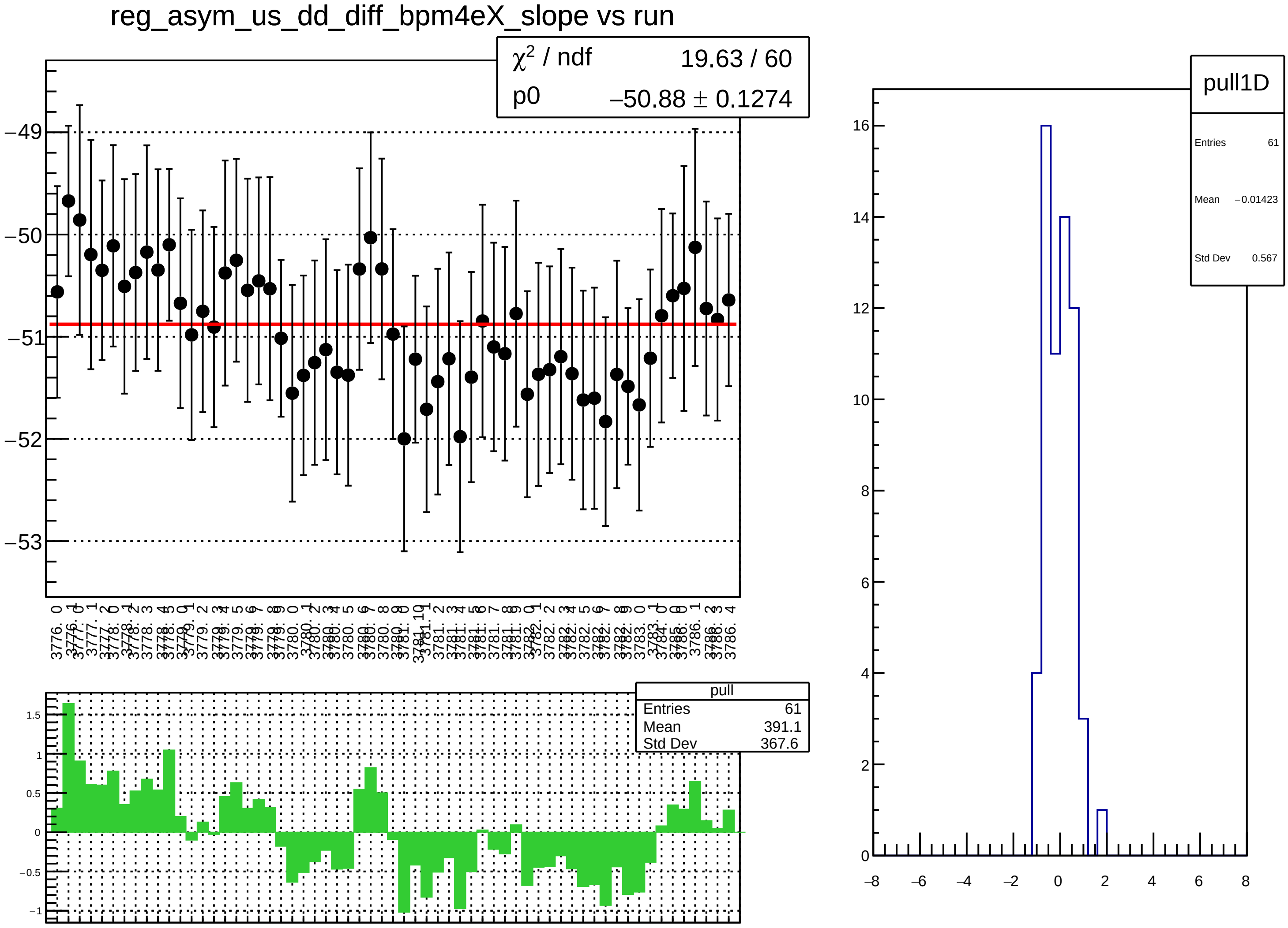


reg_asym_us_avg_diff_bpm11X_slope vs run
χ^2 / ndf 65.94 / 60
p0 −46.36 ± 0.06793
pull
Entries 61
Mean −133.7
Std Dev 173.3
pull1D
Entries 61
Mean 0.02115
Std Dev 1.039

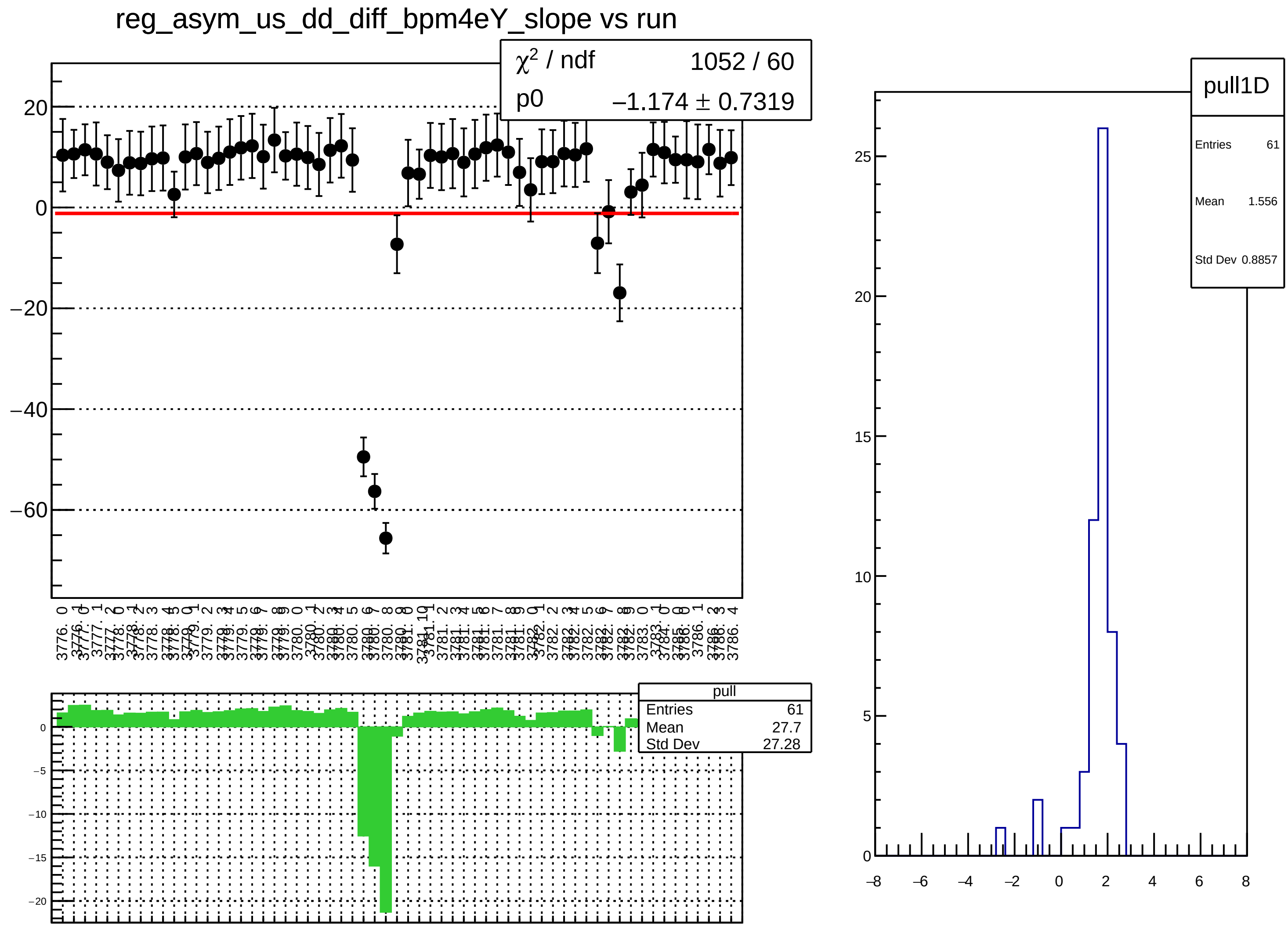


reg_asym_us_dd_diff_bpm4aX_slope vs run
χ2 / ndf 17.09 / 60
p0 22.8 ± 0.6519
pull
Entries 61
Mean 240.6
Std Dev 204.8
pull1D
Entries 61
Mean 0.004788
Std Dev 0.5293

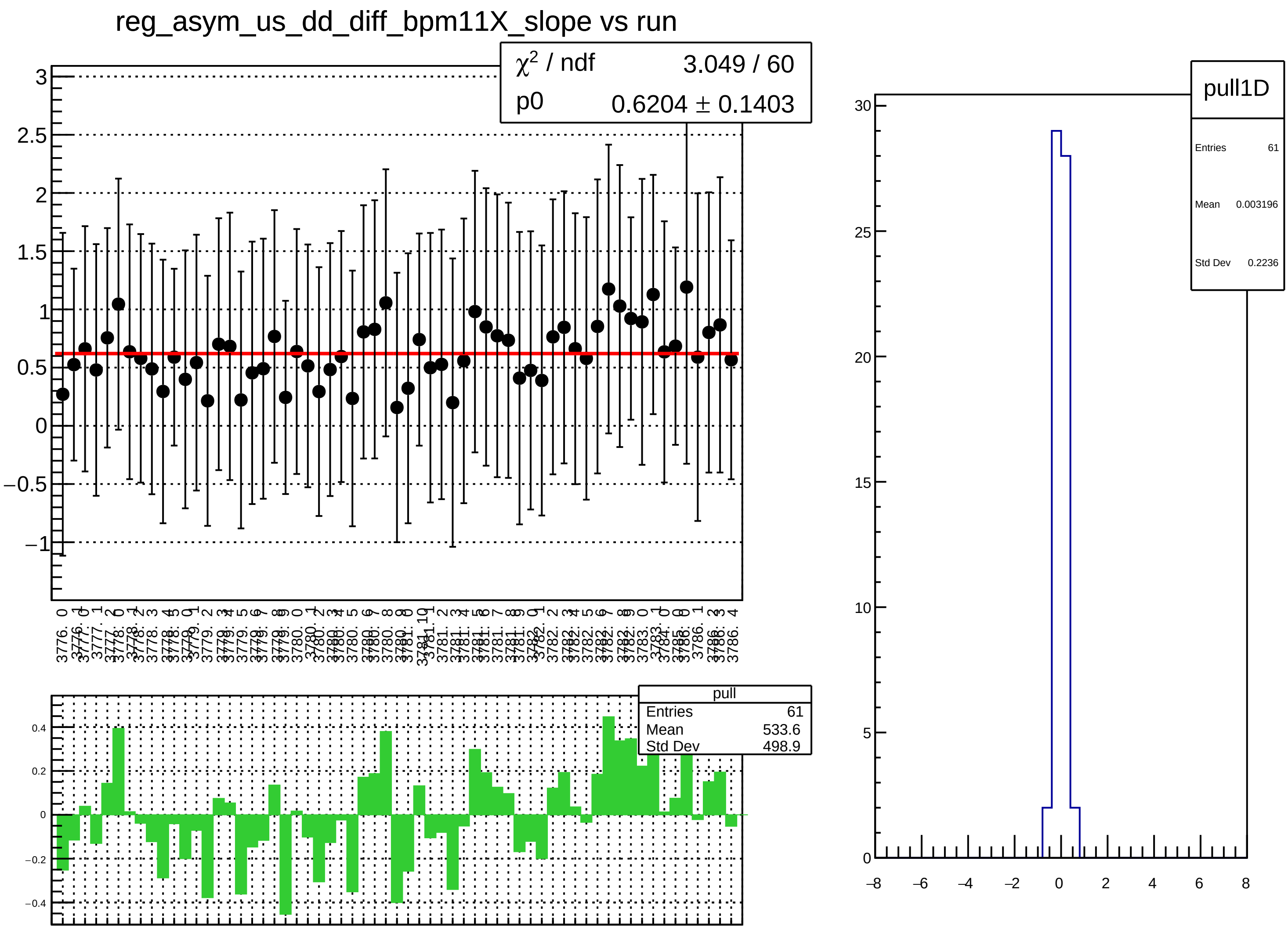

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ2 / ndf 977.3 / 60
p0 1.428 ± 0.4694
pull
Entries 61
Mean 27.73
Std Dev 28.46
pull1D
Entries 61
Mean −1.455
Std Dev 0.868

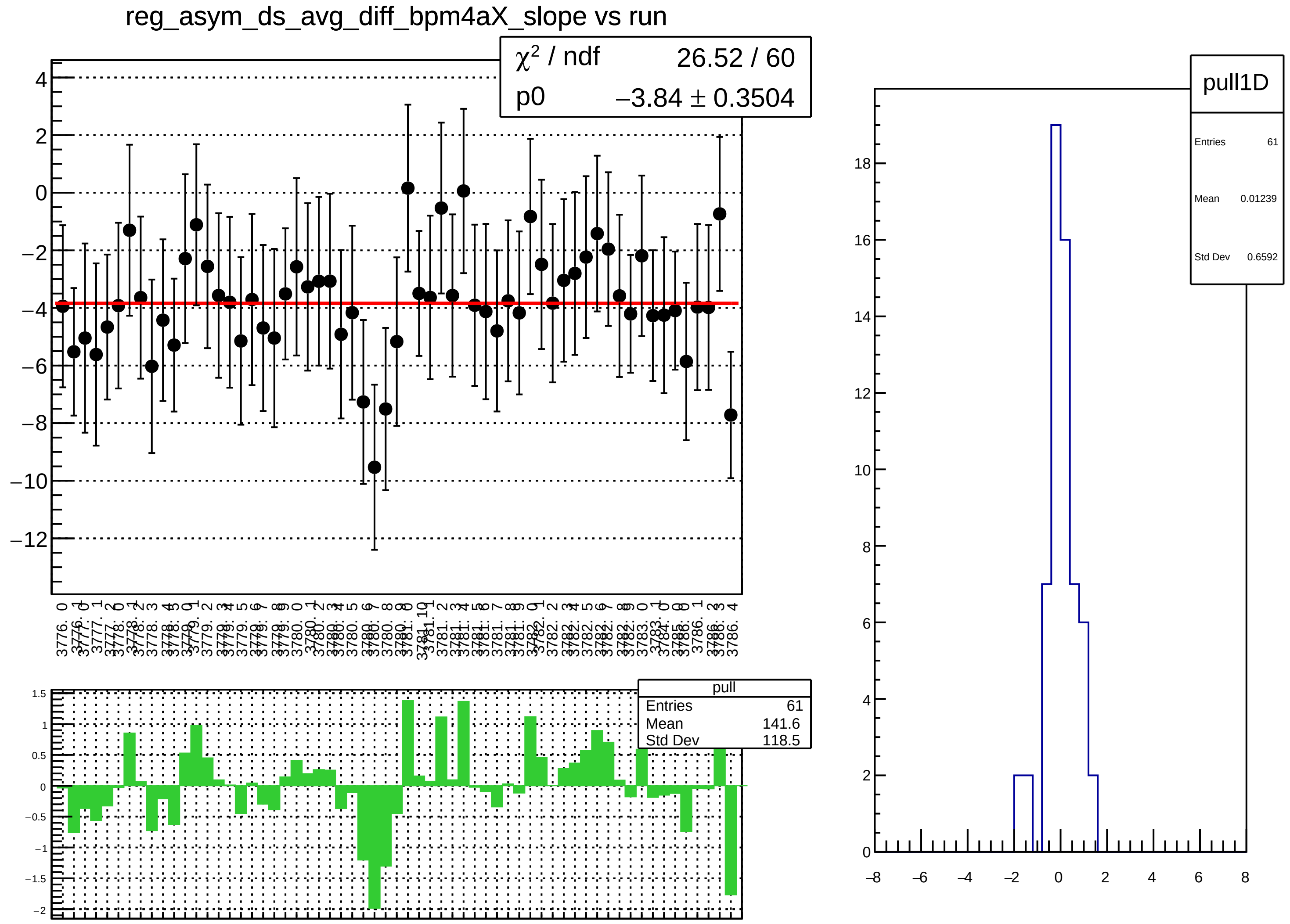


reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 19.63 / 60
p0 −50.88 ± 0.1274
pull
Entries 61
Mean 391.1
Std Dev 367.6
pull1D
Entries 61
Mean −0.01423
Std Dev 0.567

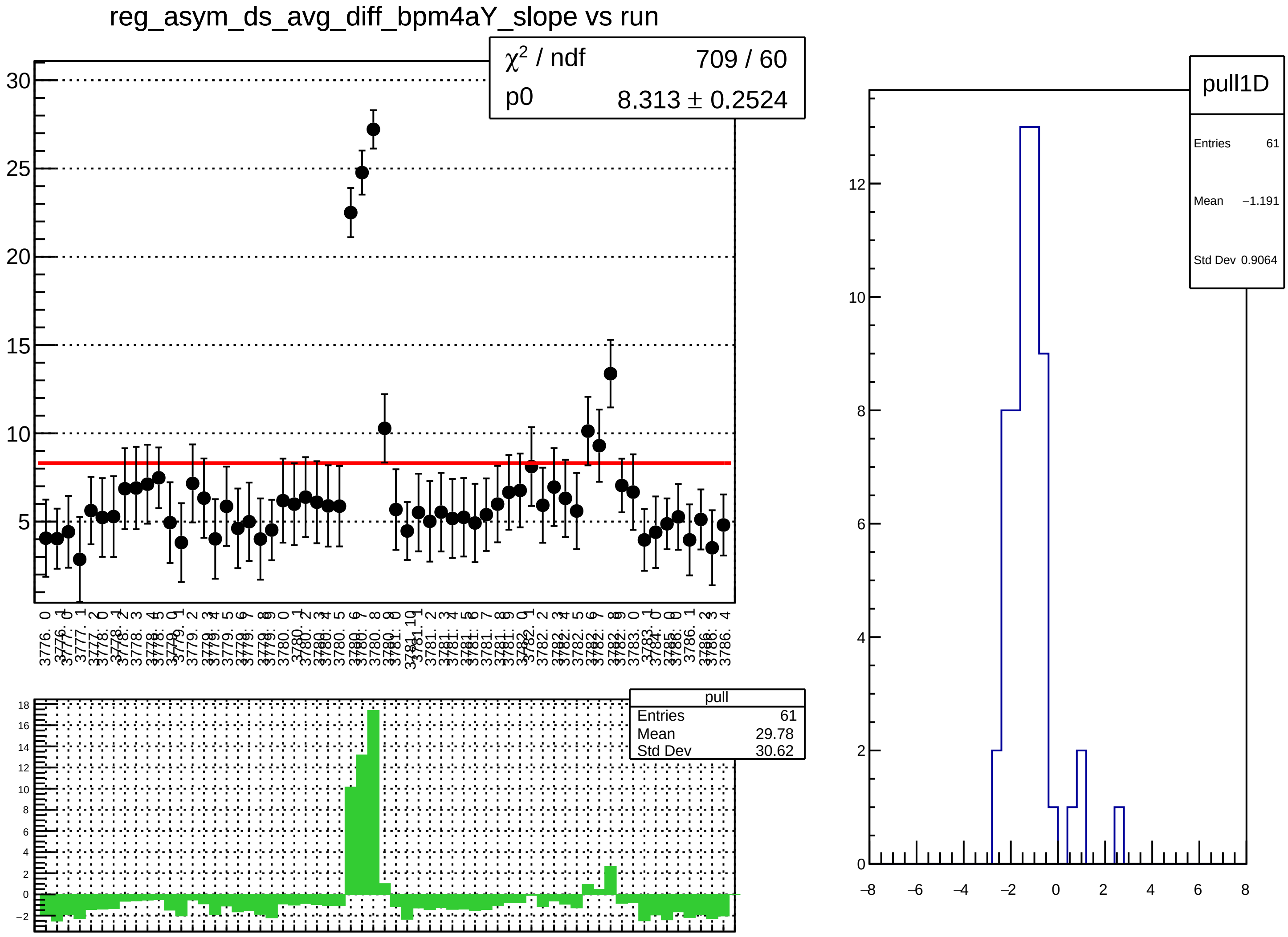


reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 1052 / 60
p0 −1.174 ± 0.7319
pull
Entries 61
Mean 27.7
Std Dev 27.28
pull1D
Entries 61
Mean 1.556
Std Dev 0.8857

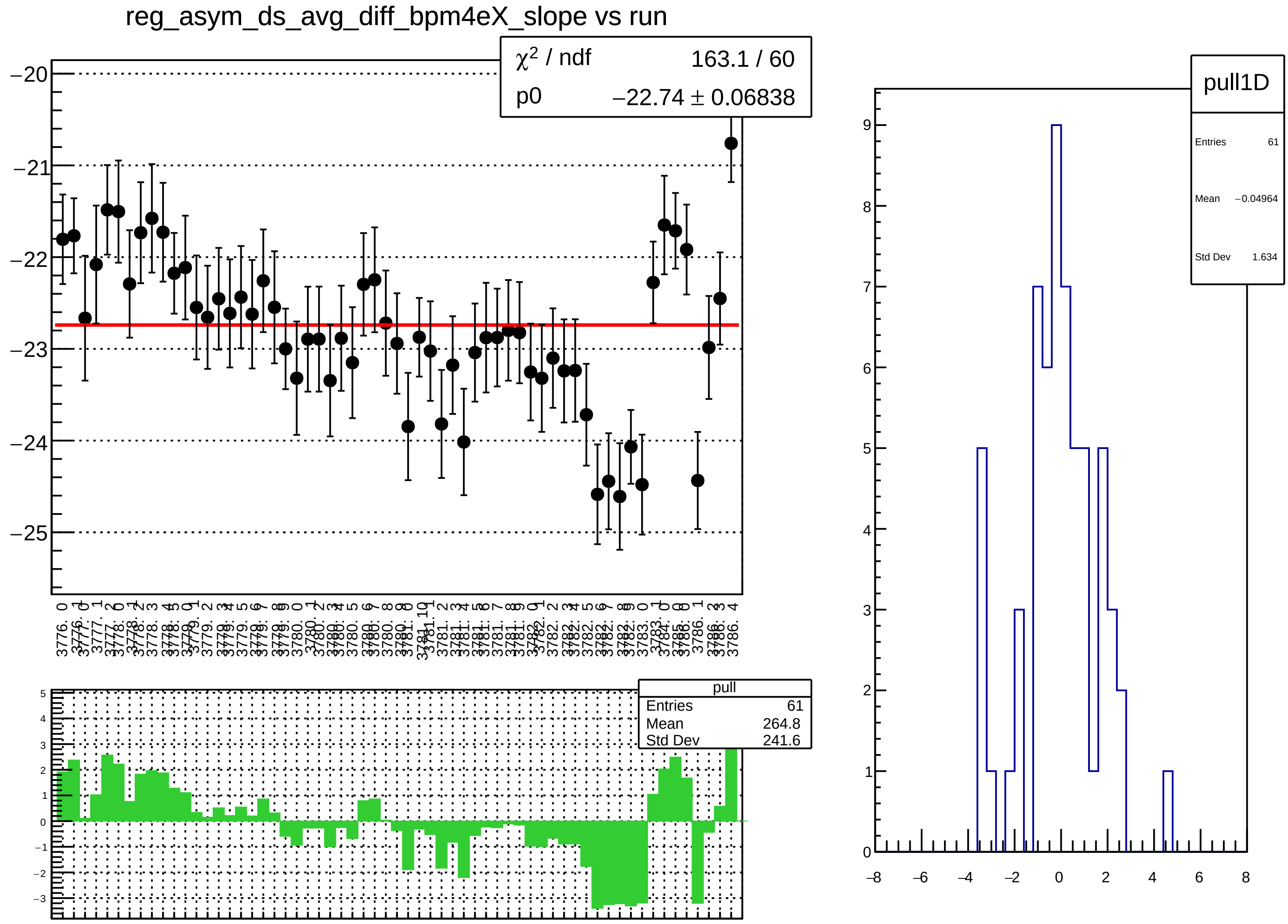

reg_asym_us_dd_diff_bpm11X_slope vs run
χ^2 / ndf 3.049 / 60
p0 0.6204 ± 0.1403
pull
Entries 61
Mean 533.6
Std Dev 498.9
pull1D
Entries 61
Mean 0.003196
Std Dev 0.2236



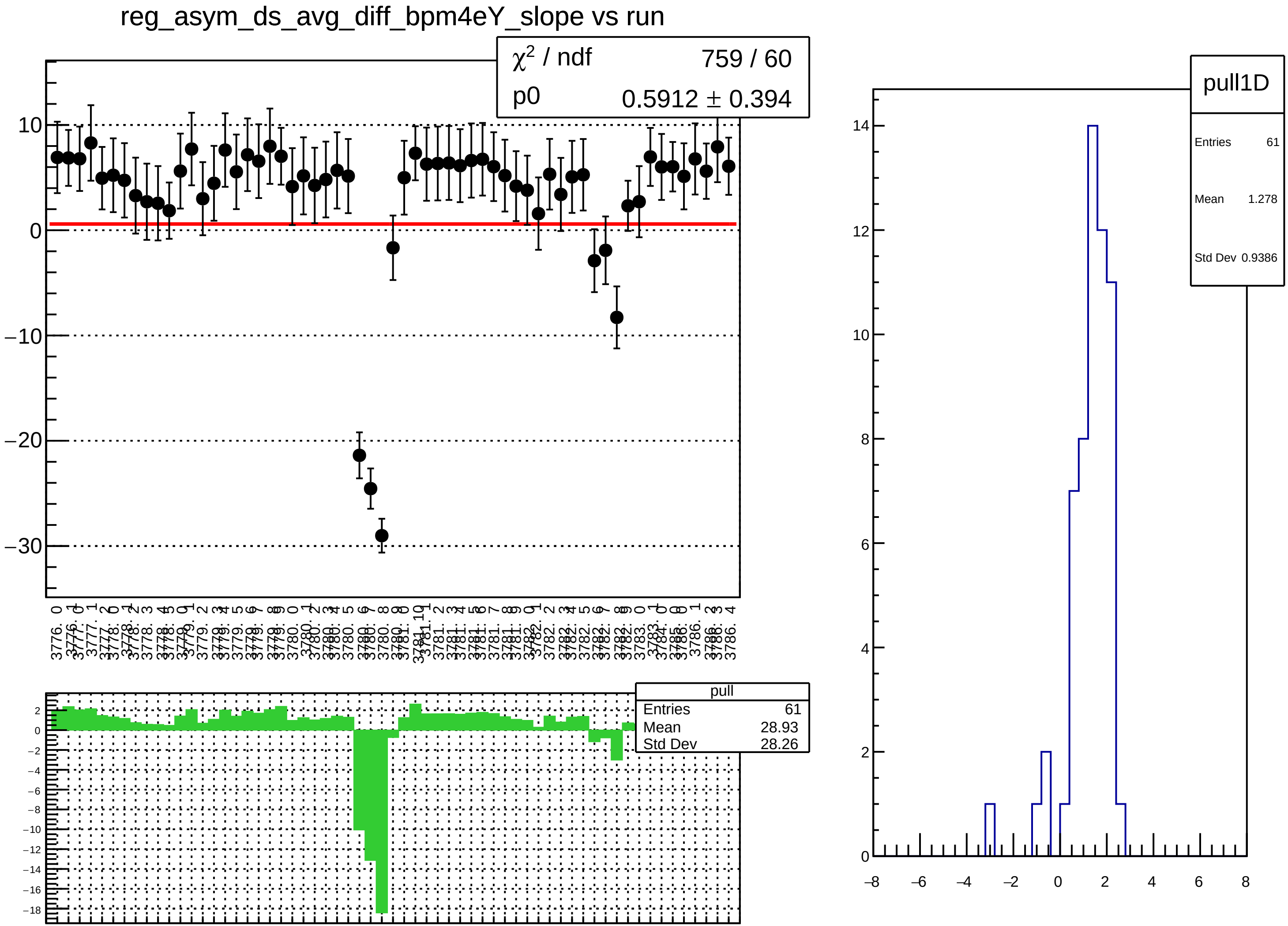
reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 26.52 / 60
p0 −3.84 ± 0.3504
pull
Entries 61
Mean 141.6
Std Dev 118.5
pull1D
Entries 61
Mean 0.01239
Std Dev 0.6592



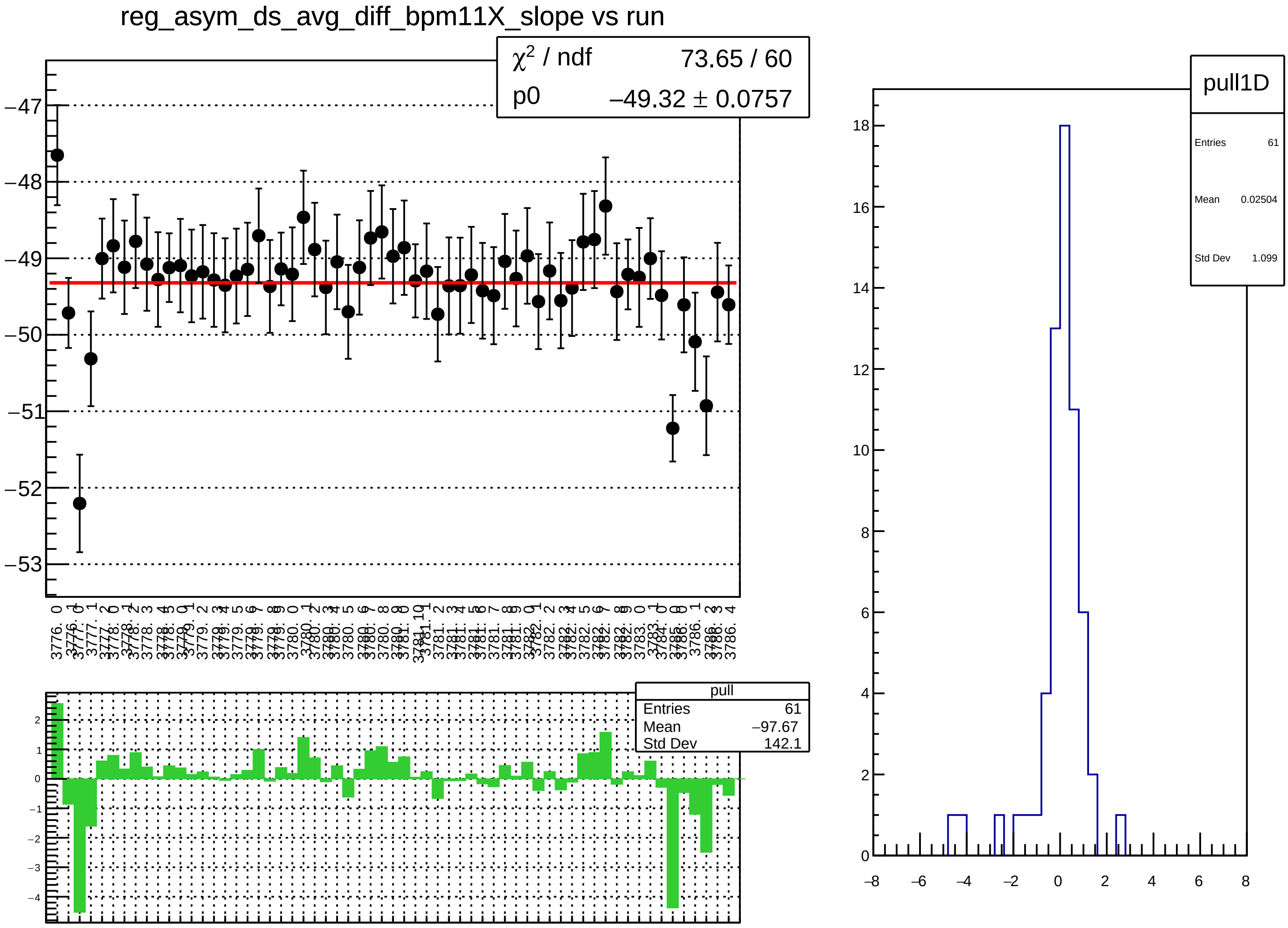
reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 709 / 60
p0 8.313 ± 0.2524
pull
Entries 61
Mean 29.78
Std Dev 30.62
pull1D
Entries 61
Mean −1.191
Std Dev 0.9064



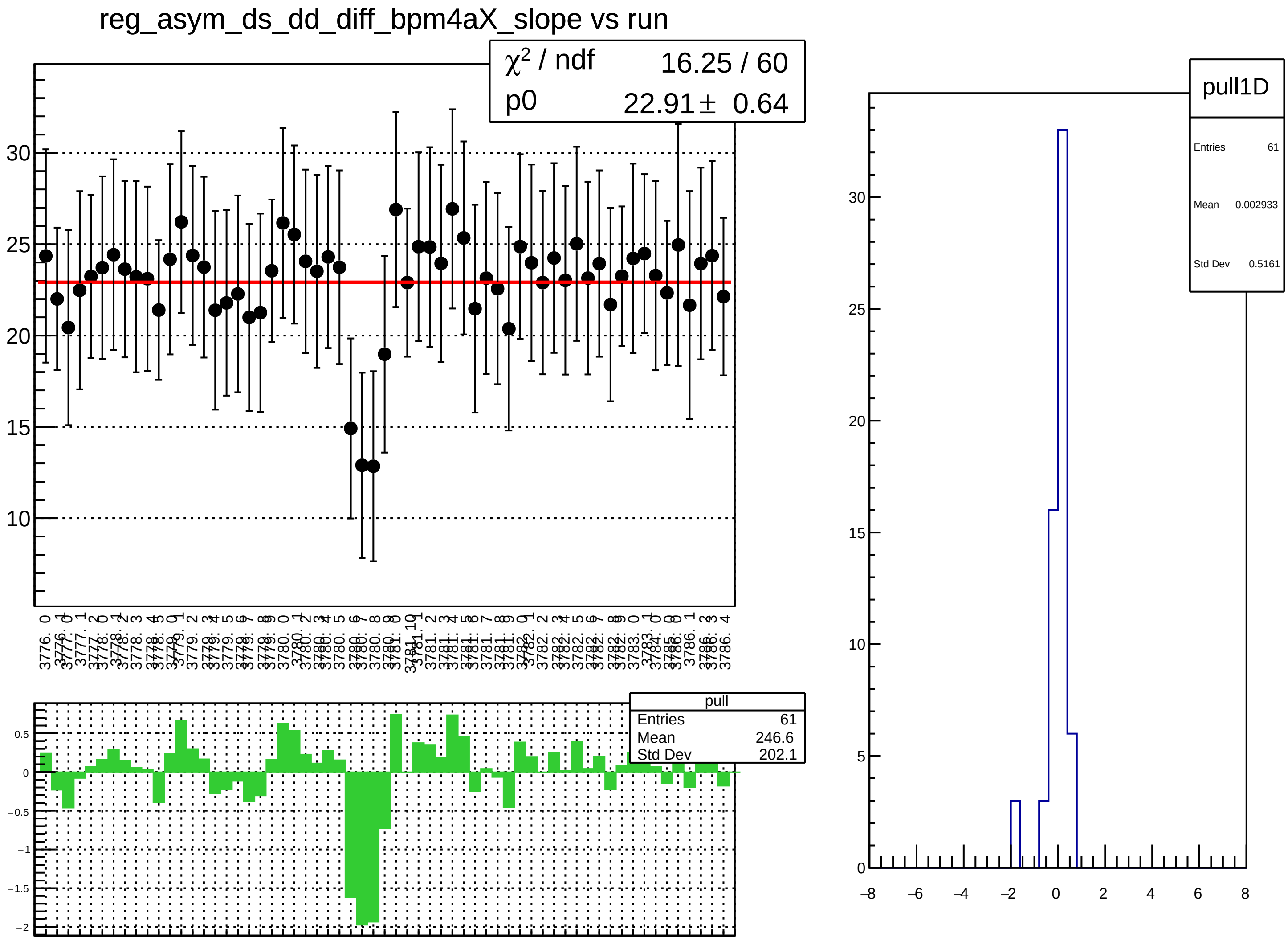
reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 163.1 / 60
p0 −22.74 ± 0.06838
pull
Entries 61
Mean 264.8
Std Dev 241.6
pull1D
Entries 61
Mean −0.04964
Std Dev 1.634

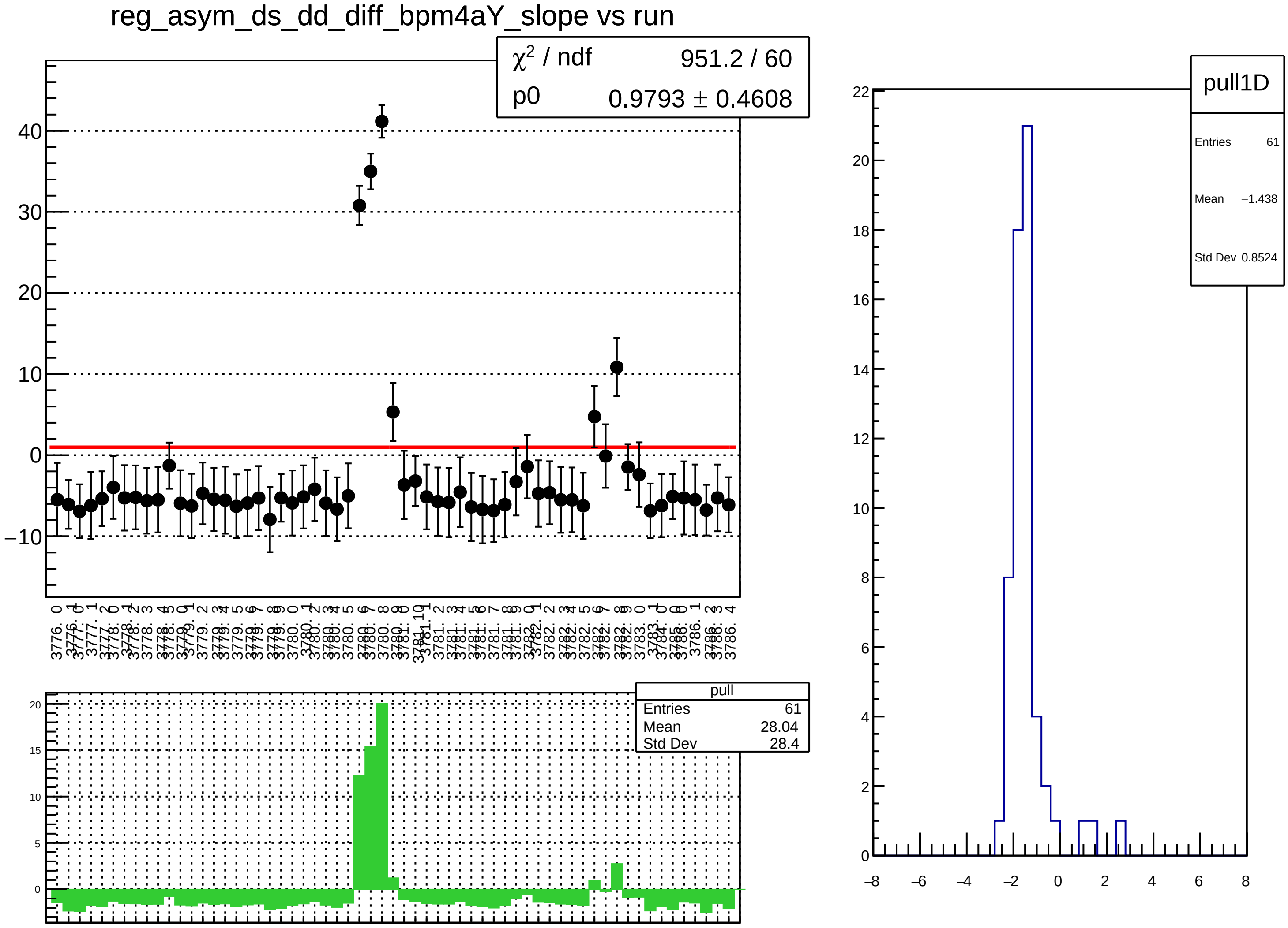


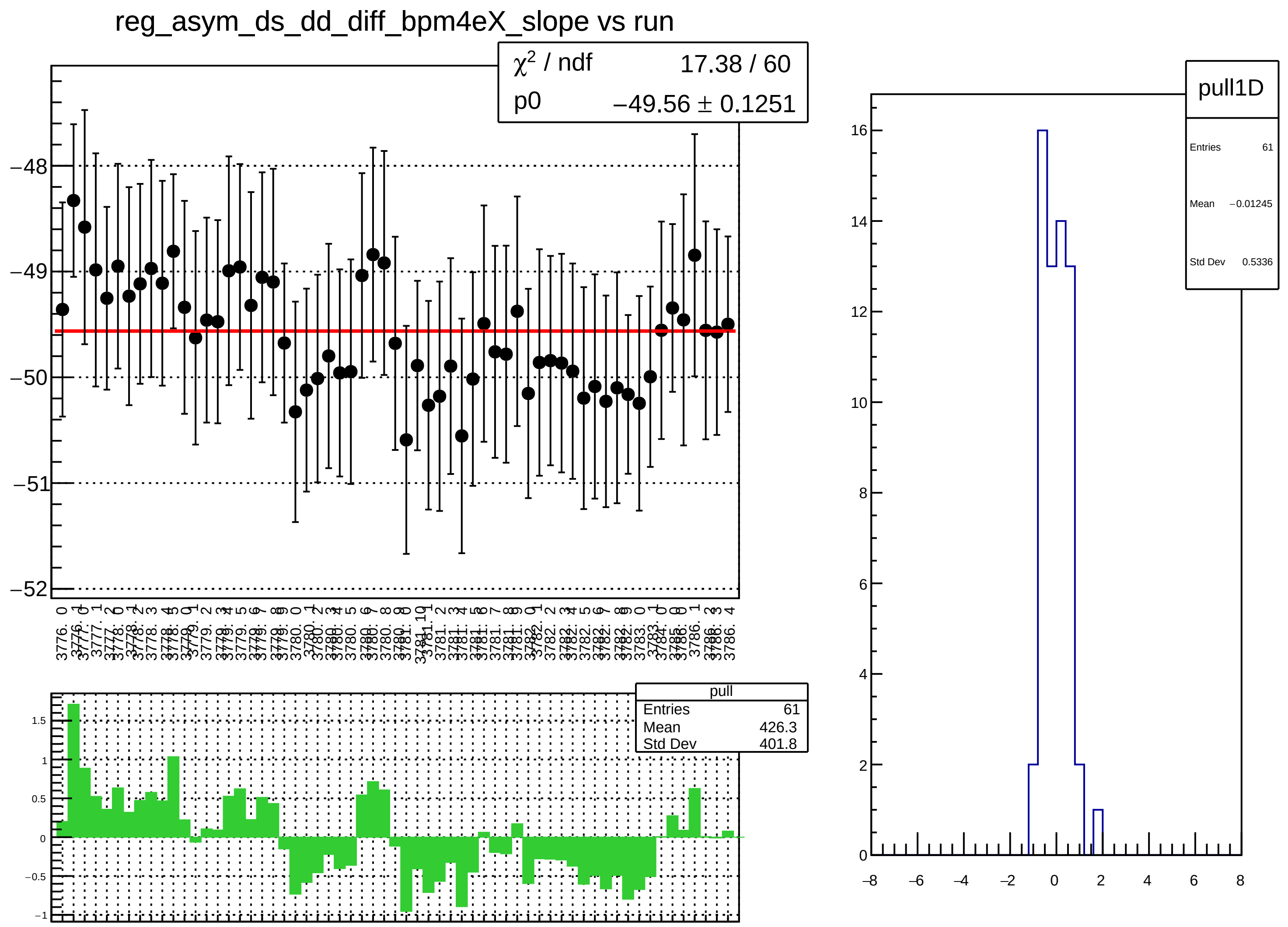
reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ2 / ndf 759 / 60
p0 0.5912 ± 0.394
pull
Entries 61
Mean 28.93
Std Dev 28.26
pull1D
Entries 61
Mean 1.278
Std Dev 0.9386



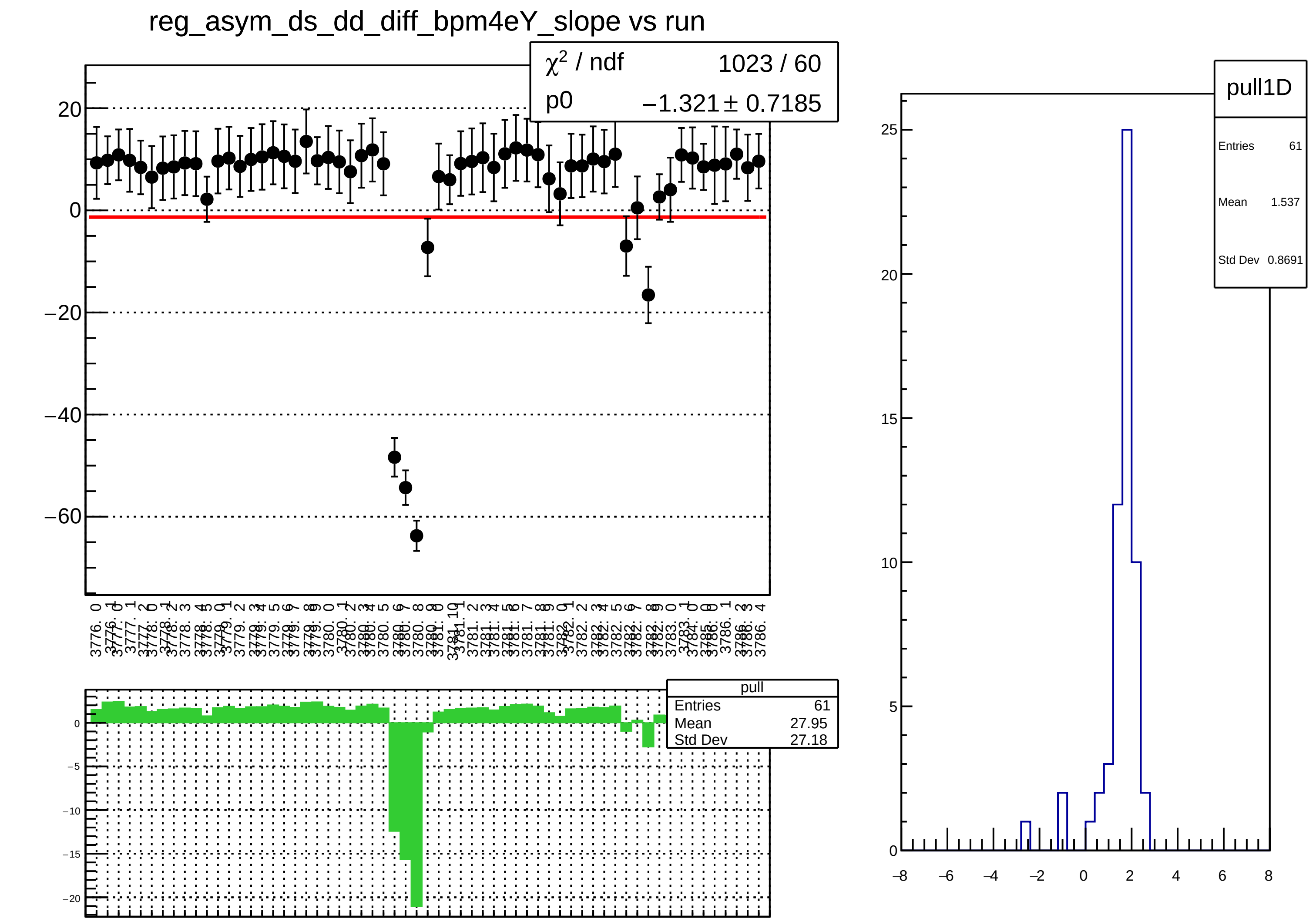
reg_asym_ds_avg_diff_bpm11X_slope vs run
χ^2 / ndf 73.65 / 60
p0 −49.32 ± 0.0757
pull
Entries 61
Mean −97.67
Std Dev 142.1
pull1D
Entries 61
Mean 0.02504
Std Dev 1.099


reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 16.25 / 60
p0 22.91 ± 0.64
pull
Entries 61
Mean 246.6
Std Dev 202.1
pull1D
Entries 61
Mean 0.002933
Std Dev 0.5161

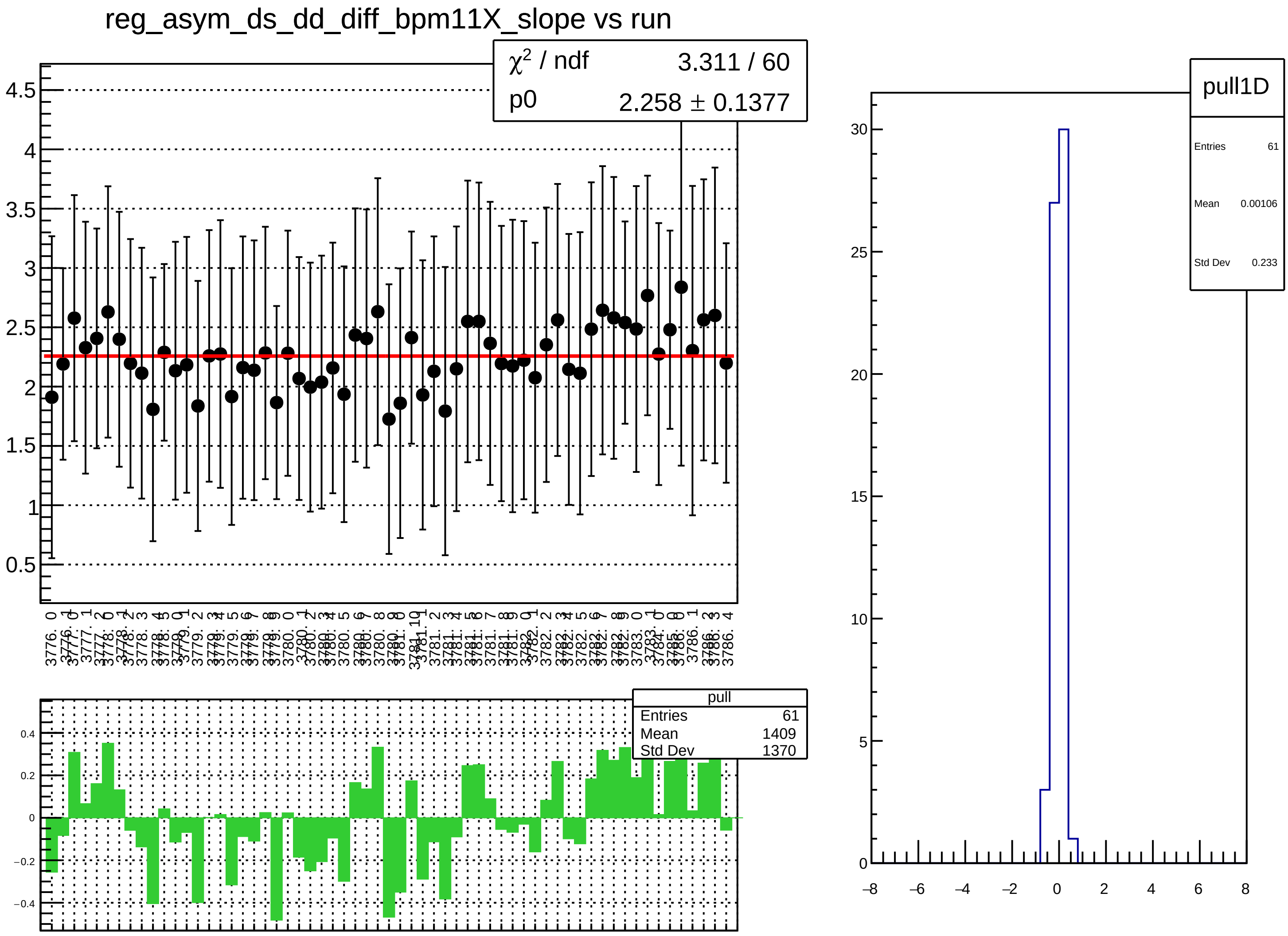

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 951.2 / 60
p0 0.9793 ± 0.4608
pull
Entries 61
Mean 28.04
Std Dev 28.4
pull1D
Entries 61
Mean −1.438
Std Dev 0.8524

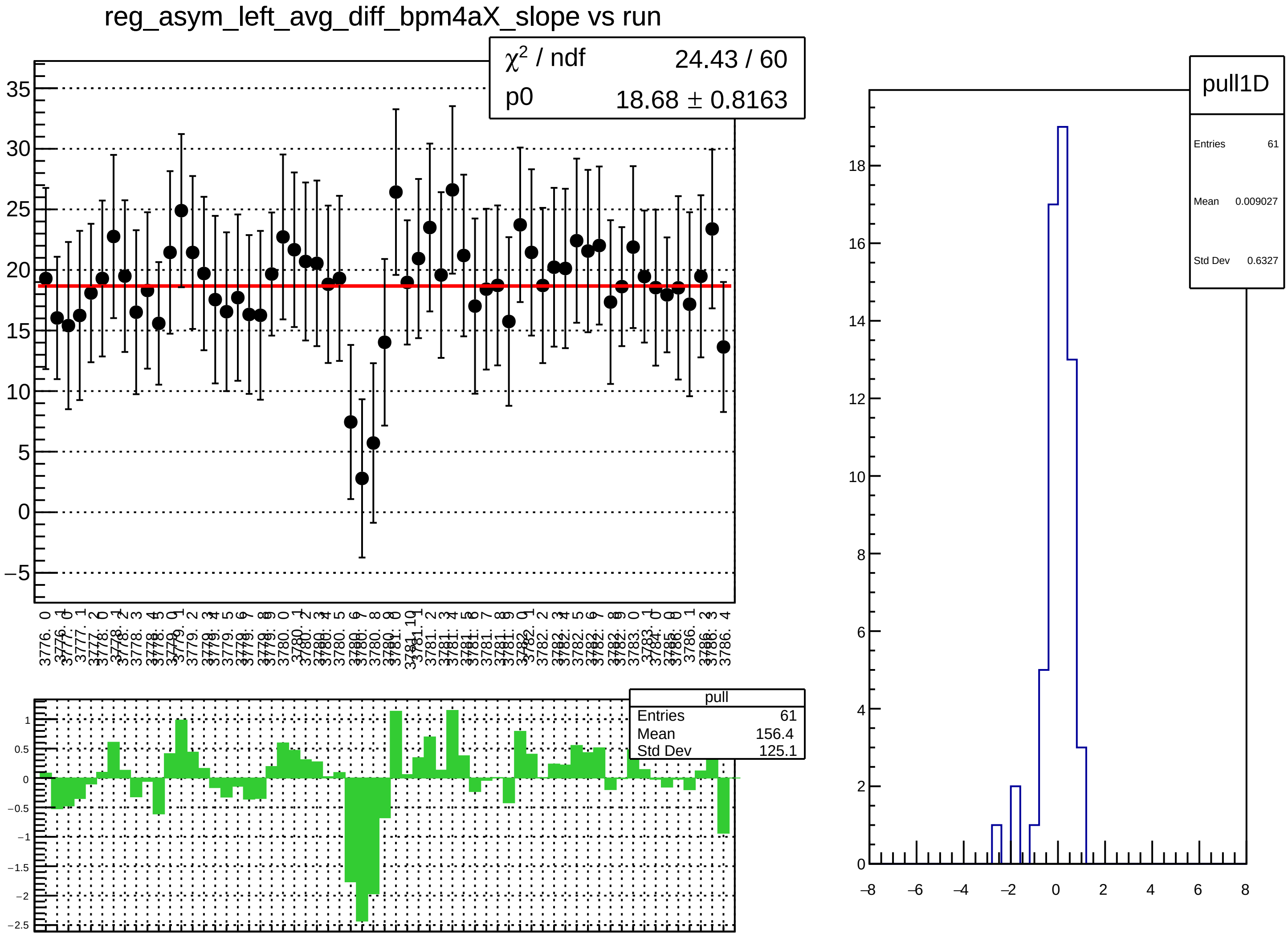


reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.38 / 60
p0 −49.56 ± 0.1251
pull
Entries 61
Mean 426.3
Std Dev 401.8
pull1D
Entries 61
Mean −0.01245
Std Dev 0.5336

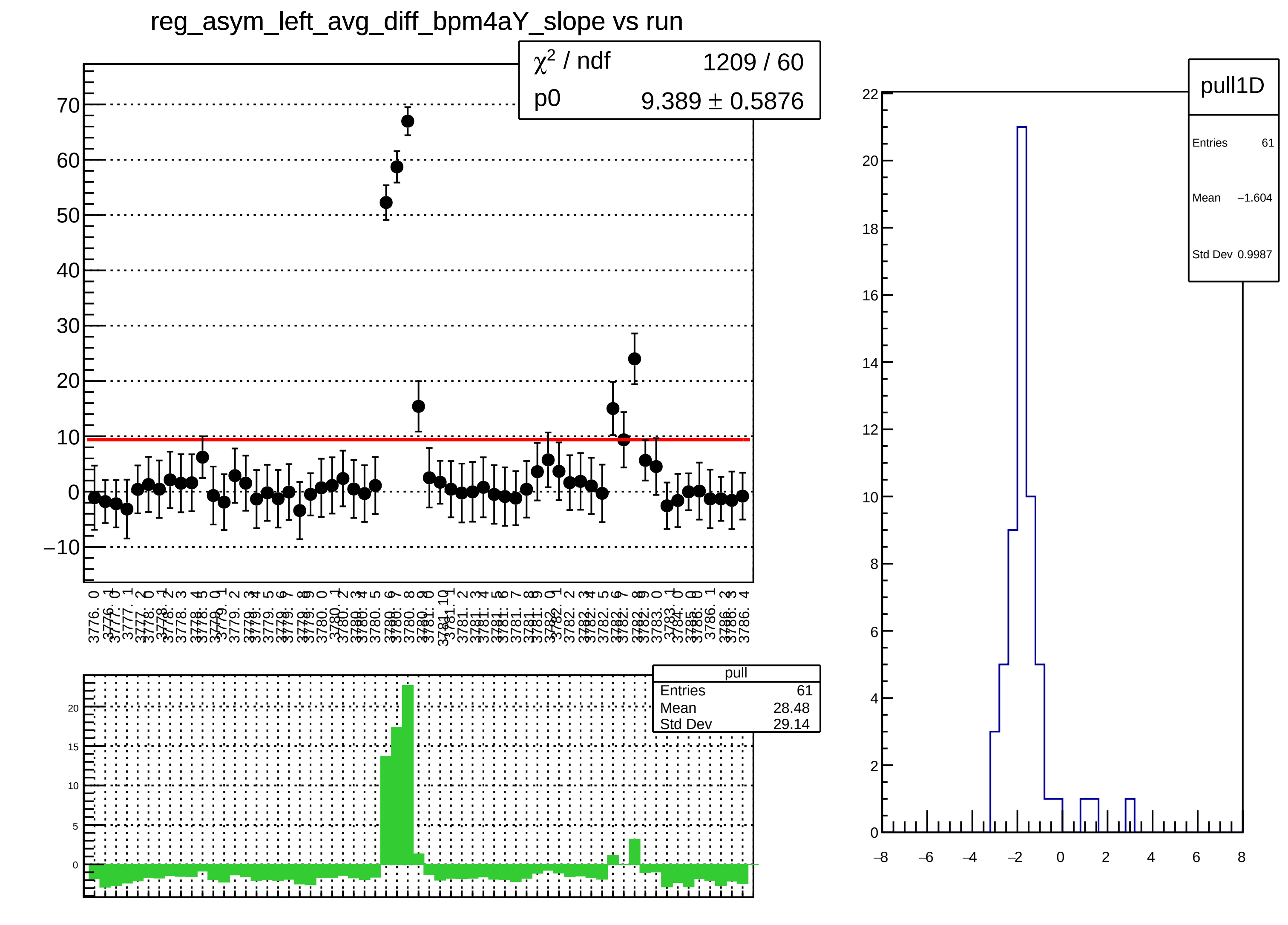


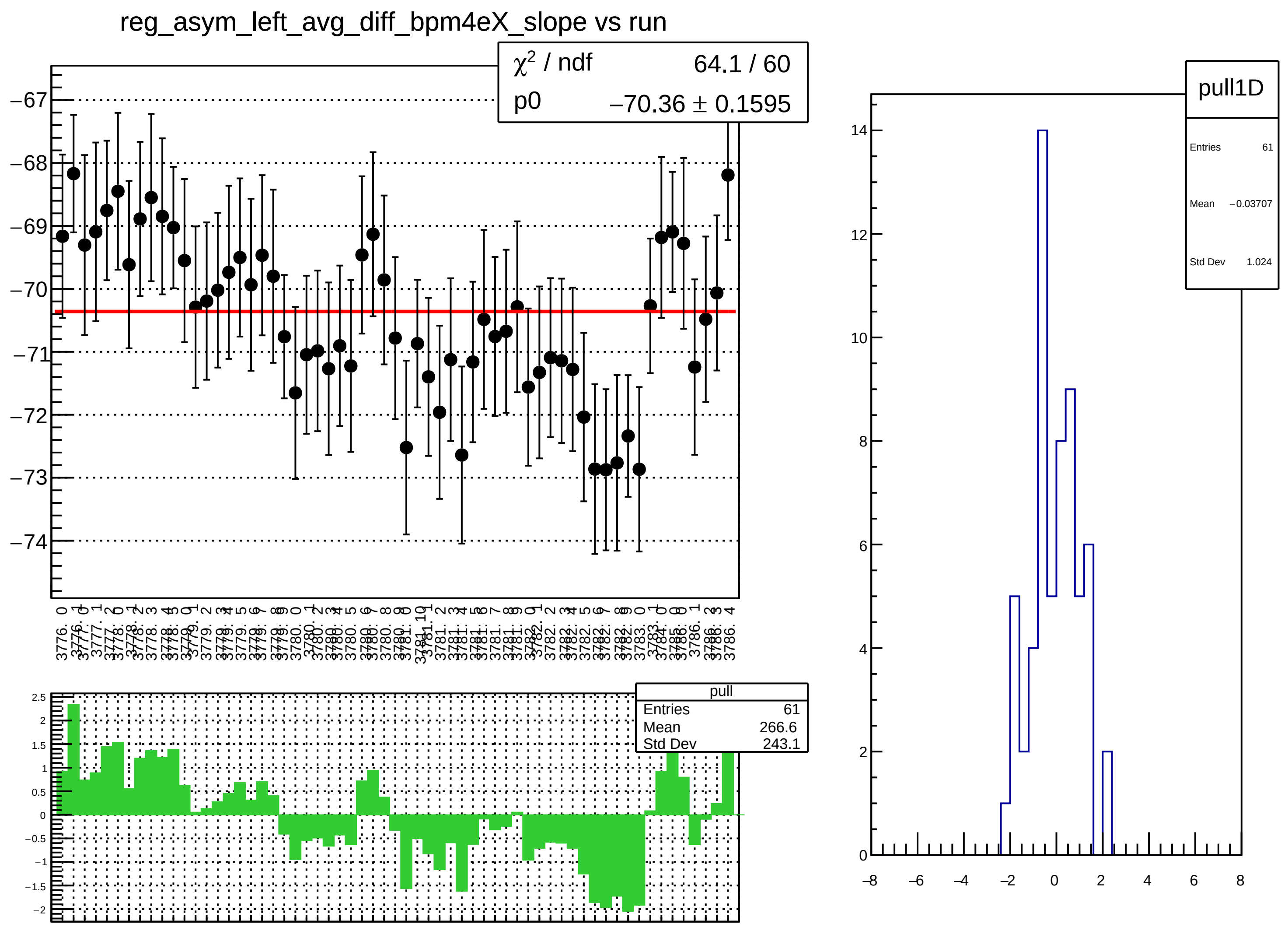
reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ2 / ndf 1023 / 60
p0 −1.321 ± 0.7185
pull
Entries 61
Mean 27.95
Std Dev 27.18
pull1D
Entries 61
Mean 1.537
Std Dev 0.8691


reg_asym_ds_dd_diff_bpm11X_slope vs run
χ2 / ndf 3.311 / 60
p0 2.258 ± 0.1377
pull
Entries 61
Mean 1409
Std Dev 1370
pull1D
Entries 61
Mean 0.00106
Std Dev 0.233

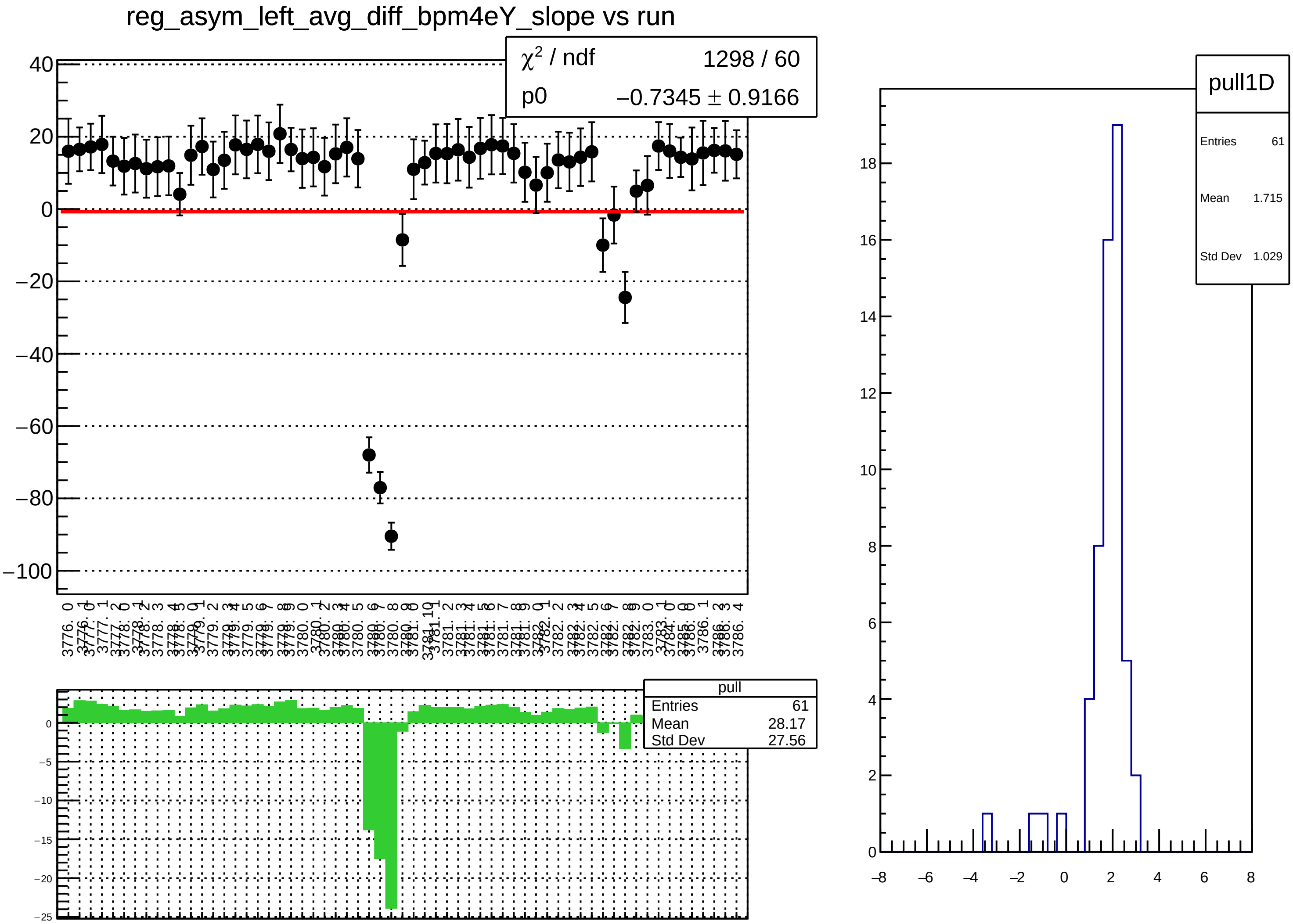


reg_asym_left_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 24.43 / 60
p0 18.68 ± 0.8163
pull
Entries 61
Mean 156.4
Std Dev 125.1
pull1D
Entries 61
Mean 0.009027
Std Dev 0.6327

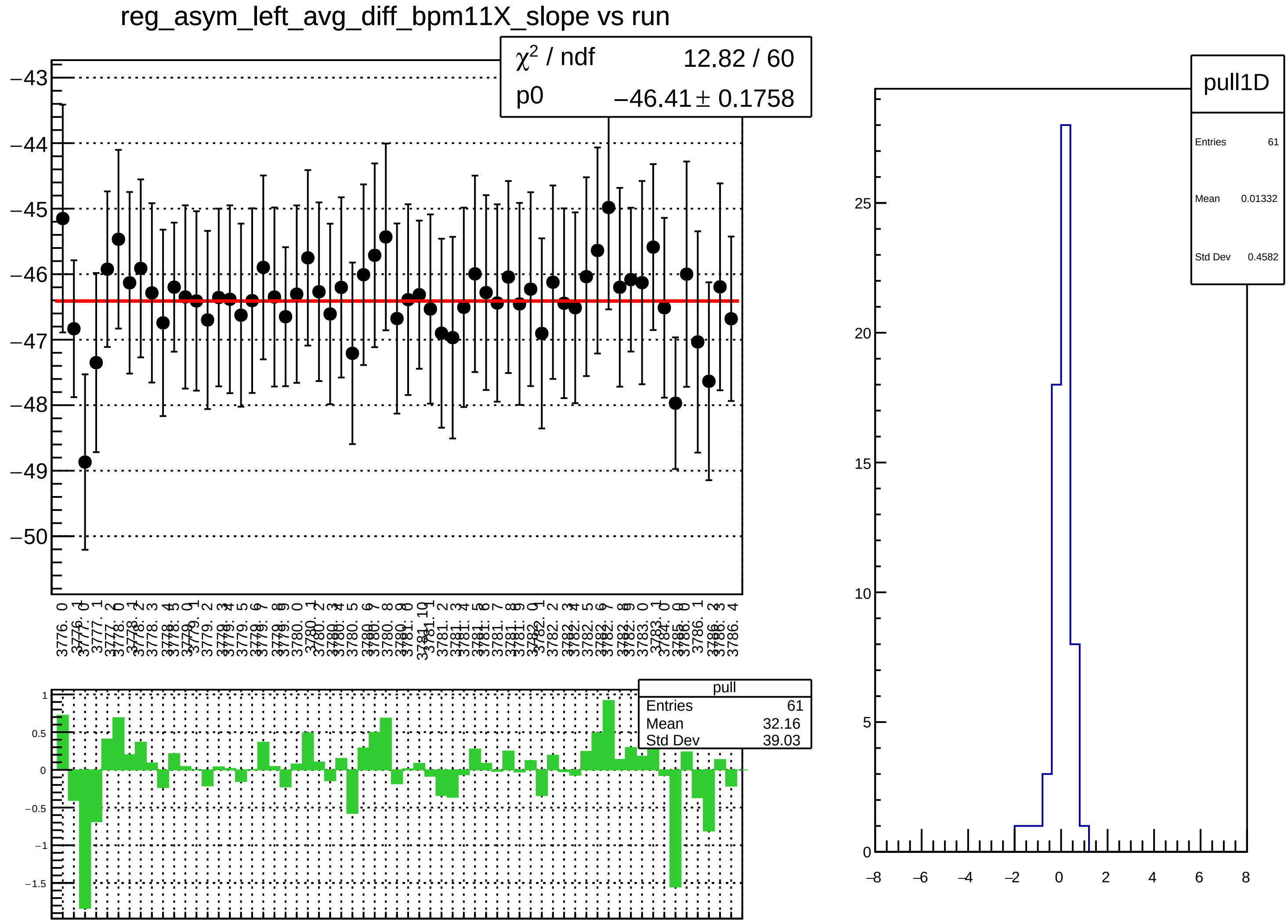

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ2 / ndf 1209 / 60
p0 9.389 ± 0.5876
pull
Entries 61
Mean 28.48
Std Dev 29.14
pull1D
Entries 61
Mean −1.604
Std Dev 0.9987



reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.1 / 60
p0 −70.36 ± 0.1595
pull
Entries 61
Mean 266.6
Std Dev 243.1
pull1D
Entries 61
Mean −0.03707
Std Dev 1.024

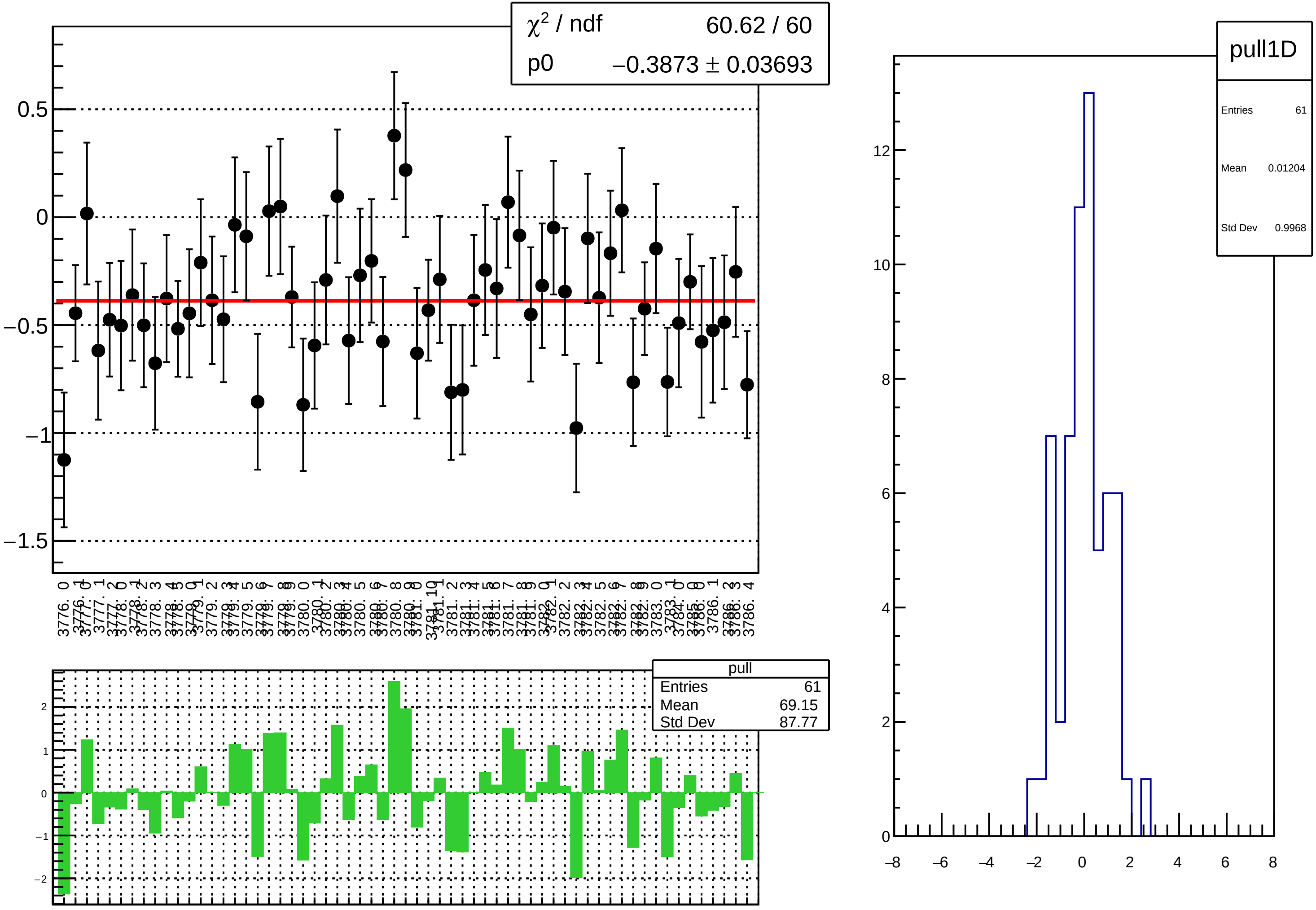


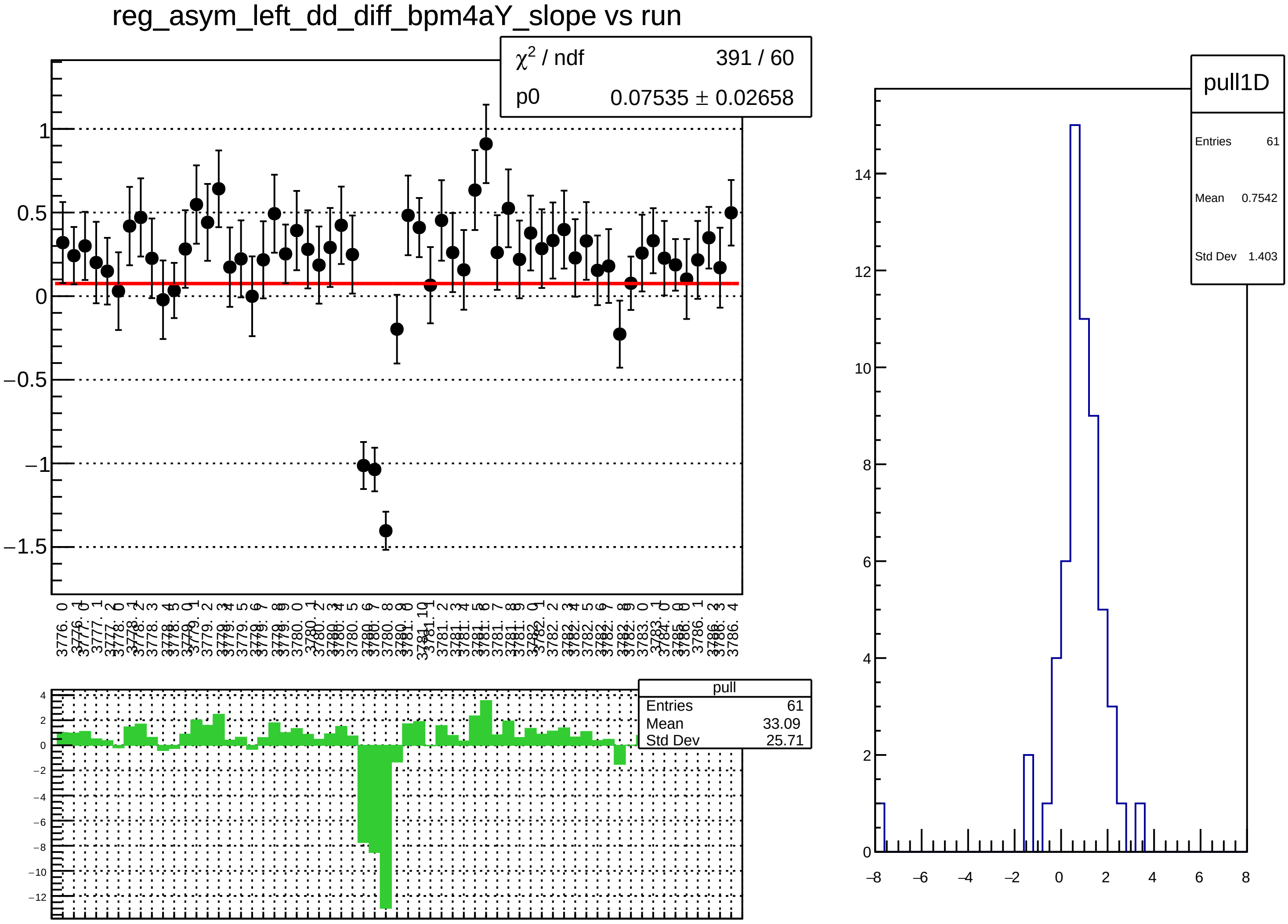
reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1298 / 60
p0 −0.7345 ± 0.9166
pull
Entries 61
Mean 28.17
Std Dev 27.56
pull1D
Entries 61
Mean 1.715
Std Dev 1.029

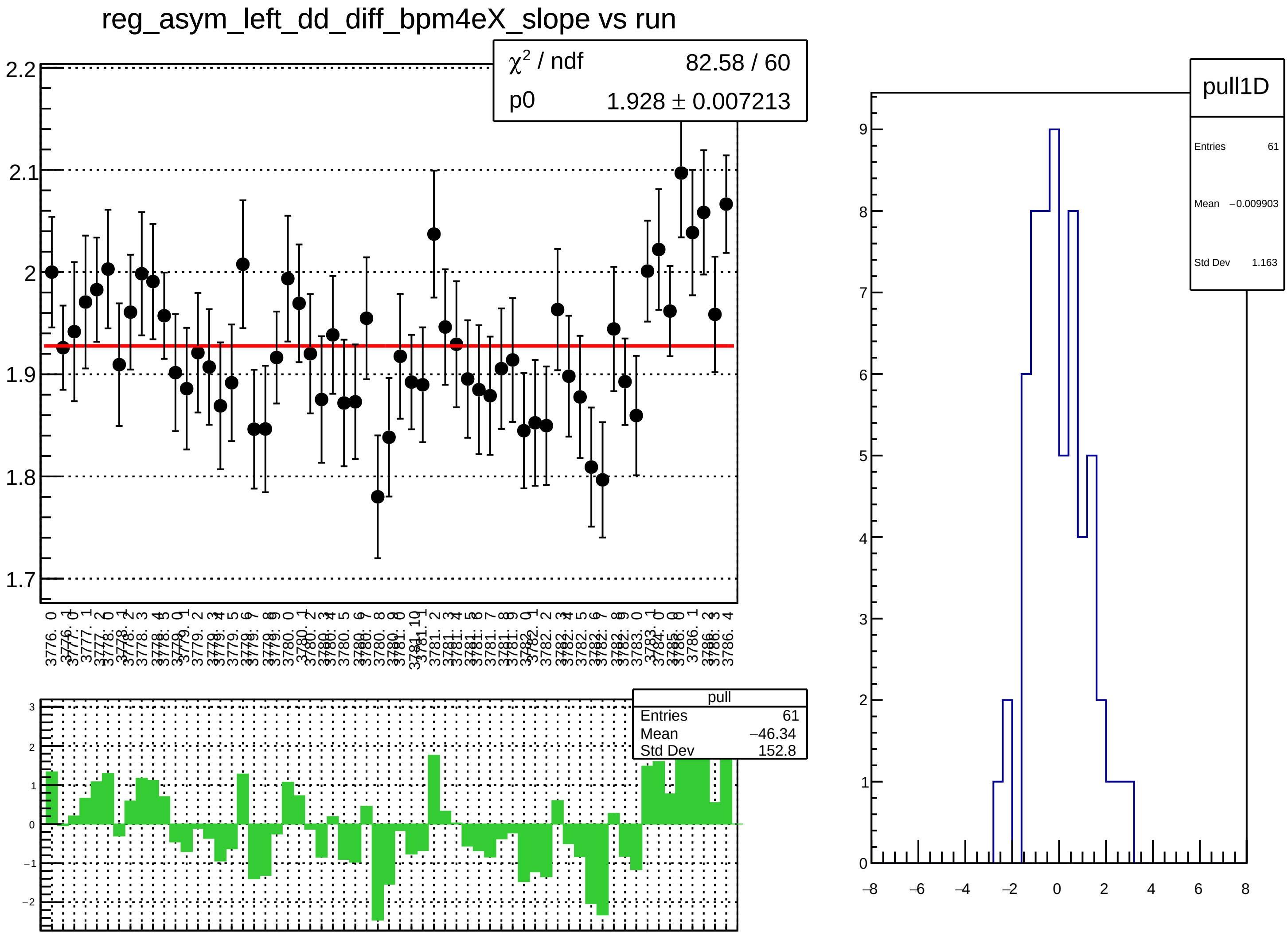


reg_asym_left_avg_diff_bpm11X_slope vs run
χ2 / ndf 12.82 / 60
p0 −46.41 ± 0.1758
pull
Entries 61
Mean 32.16
Std Dev 39.03
pull1D
Entries 61
Mean 0.01332
Std Dev 0.4582

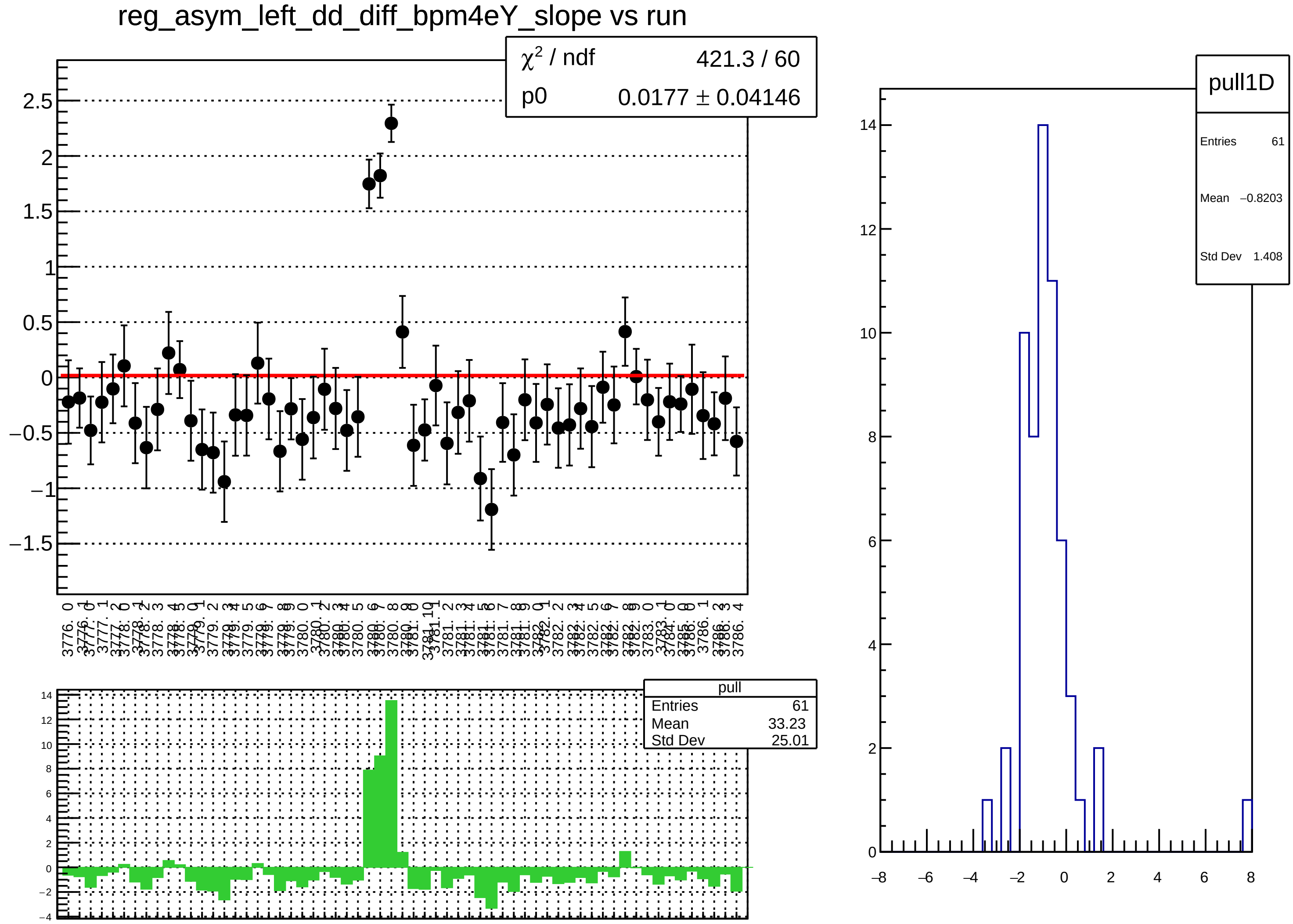
reg_asym_left_dd_diff_bpm4aX_slope vs run



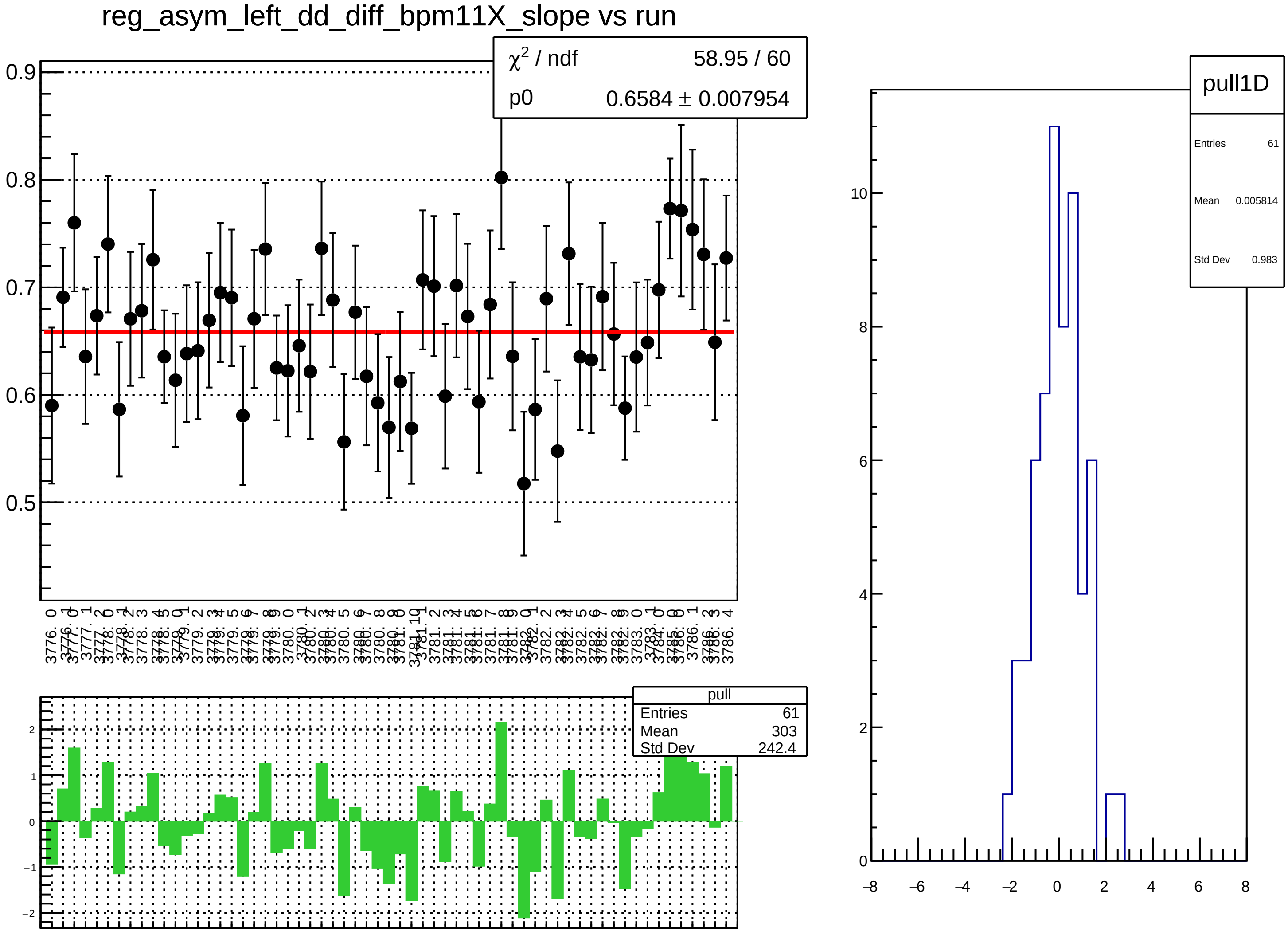

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 391 / 60
p0 0.07535 ± 0.02658
pull
Entries 61
Mean 33.09
Std Dev 25.71
pull1D
Entries 61
Mean 0.7542
Std Dev 1.403



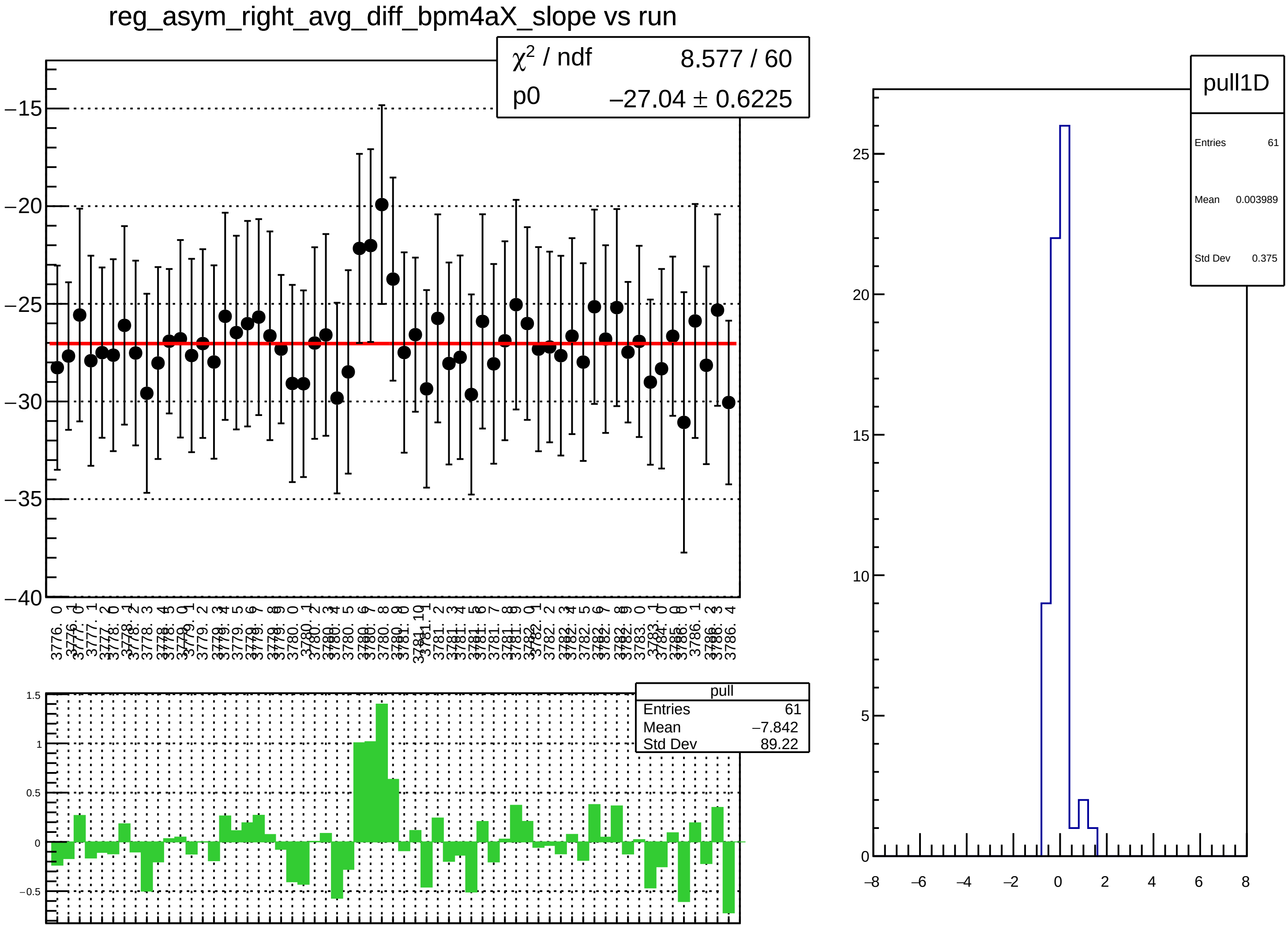
reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 82.58 / 60
p0 1.928 ± 0.007213
pull
Entries 61
Mean −46.34
Std Dev 152.8
pull1D
Entries 61
Mean −0.009903
Std Dev 1.163

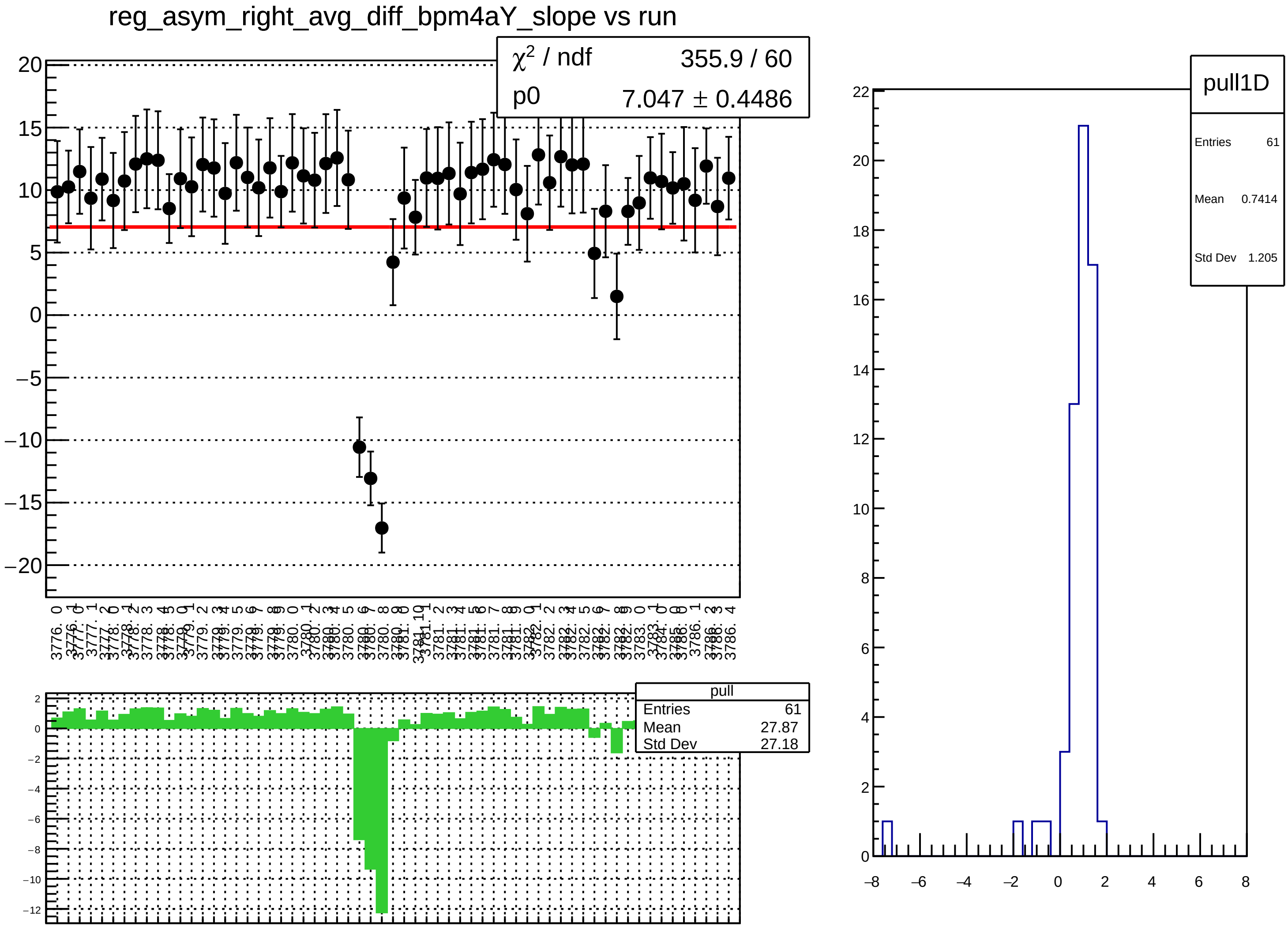


reg_asym_left_dd_diff_bpm4eY_slope vs run
χ2 / ndf 421.3 / 60
p0 0.0177 ± 0.04146
pull
Entries 61
Mean 33.23
Std Dev 25.01
pull1D
Entries 61
Mean −0.8203
Std Dev 1.408

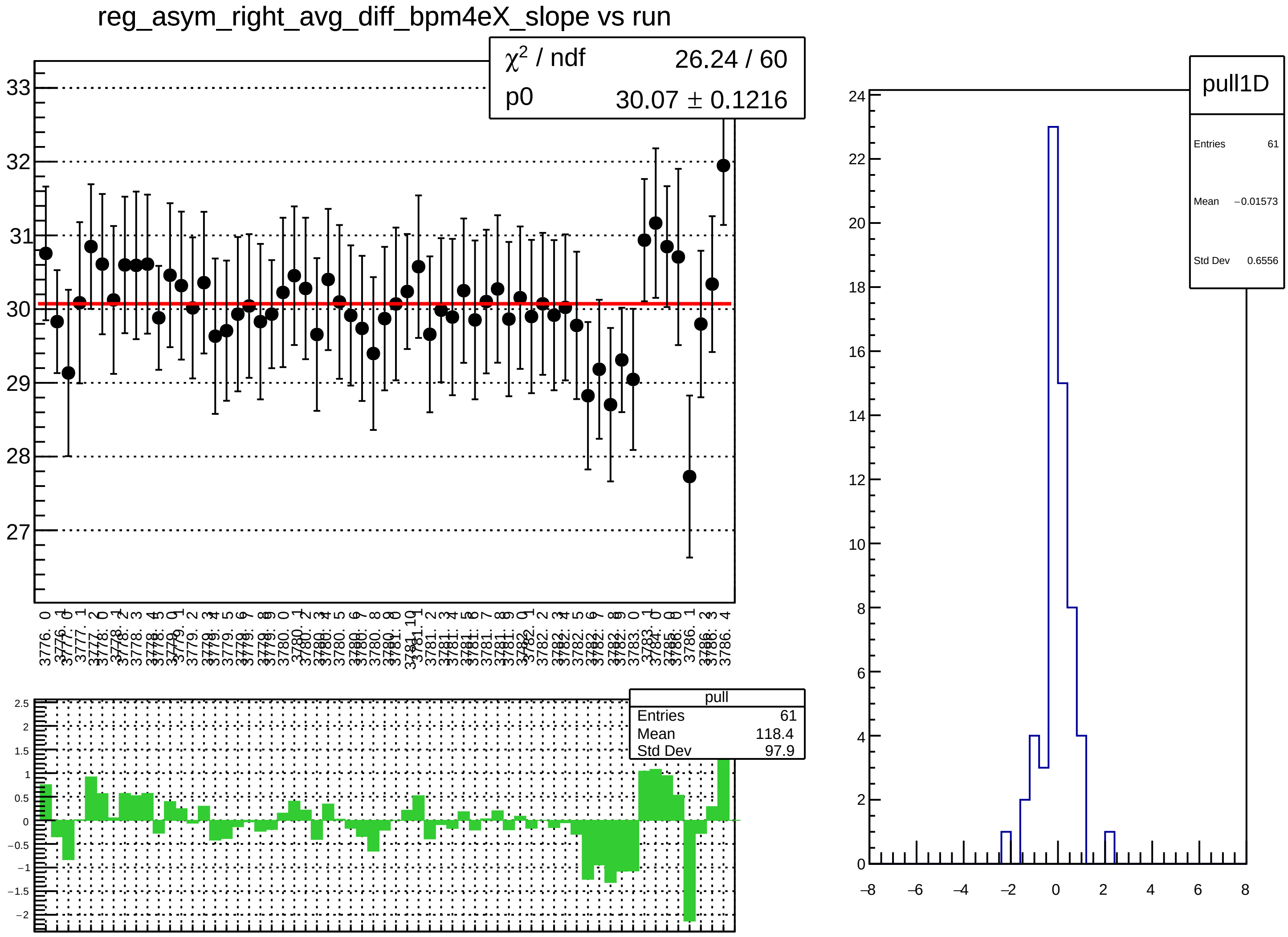


reg_asym_left_dd_diff_bpm11X_slope vs run
χ^2 / ndf 58.95 / 60
p0 0.6584 ± 0.007954
pull
Entries 61
Mean 303
Std Dev 242.4
pull1D
Entries 61
Mean 0.005814
Std Dev 0.983

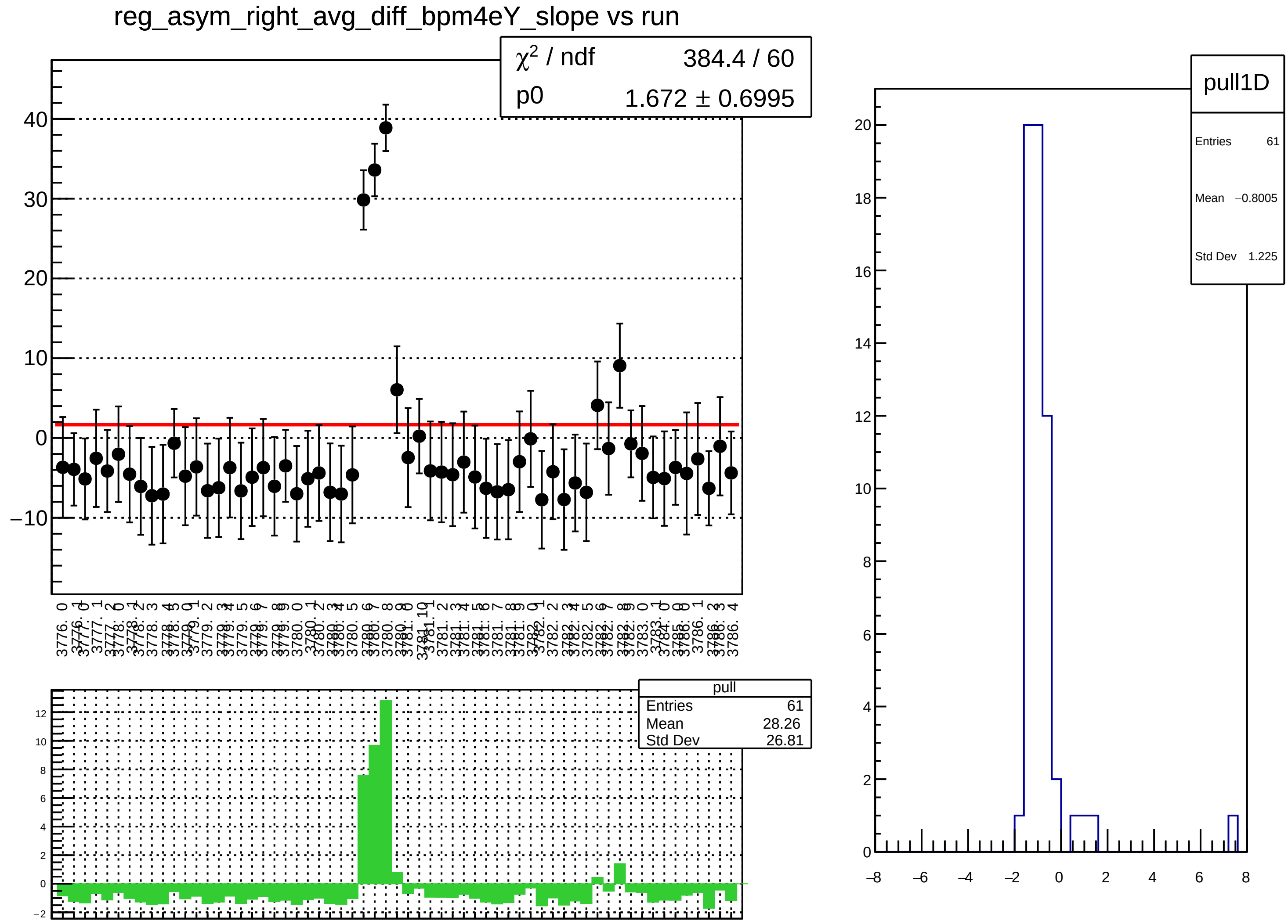

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ2 / ndf 8.577 / 60
p0 −27.04 ± 0.6225
pull
Entries 61
Mean −7.842
Std Dev 89.22
pull1D
Entries 61
Mean 0.003989
Std Dev 0.375

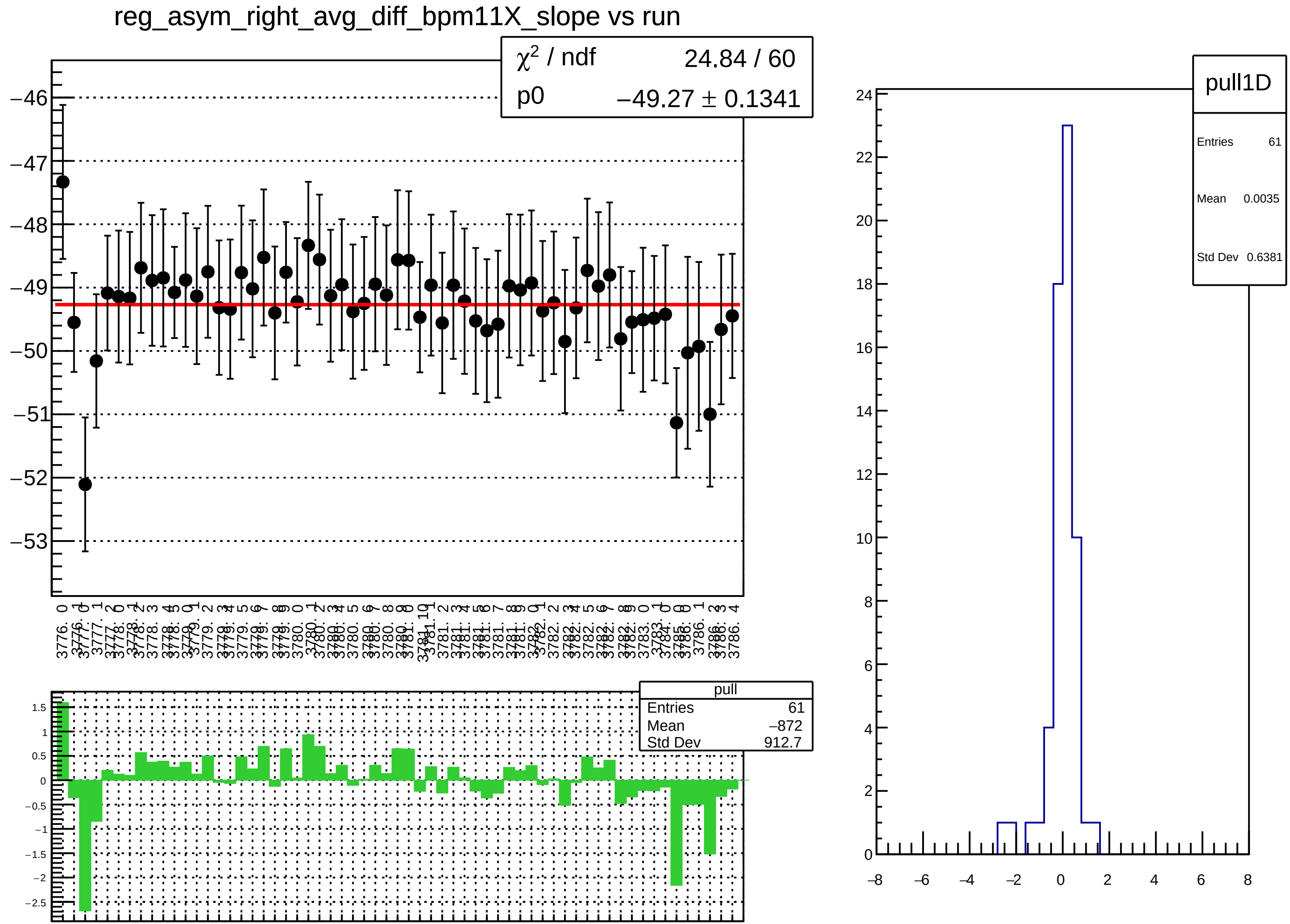


reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 355.9 / 60
p0 7.047 ± 0.4486
pull
Entries 61
Mean 27.87
Std Dev 27.18
pull1D
Entries 61
Mean 0.7414
Std Dev 1.205

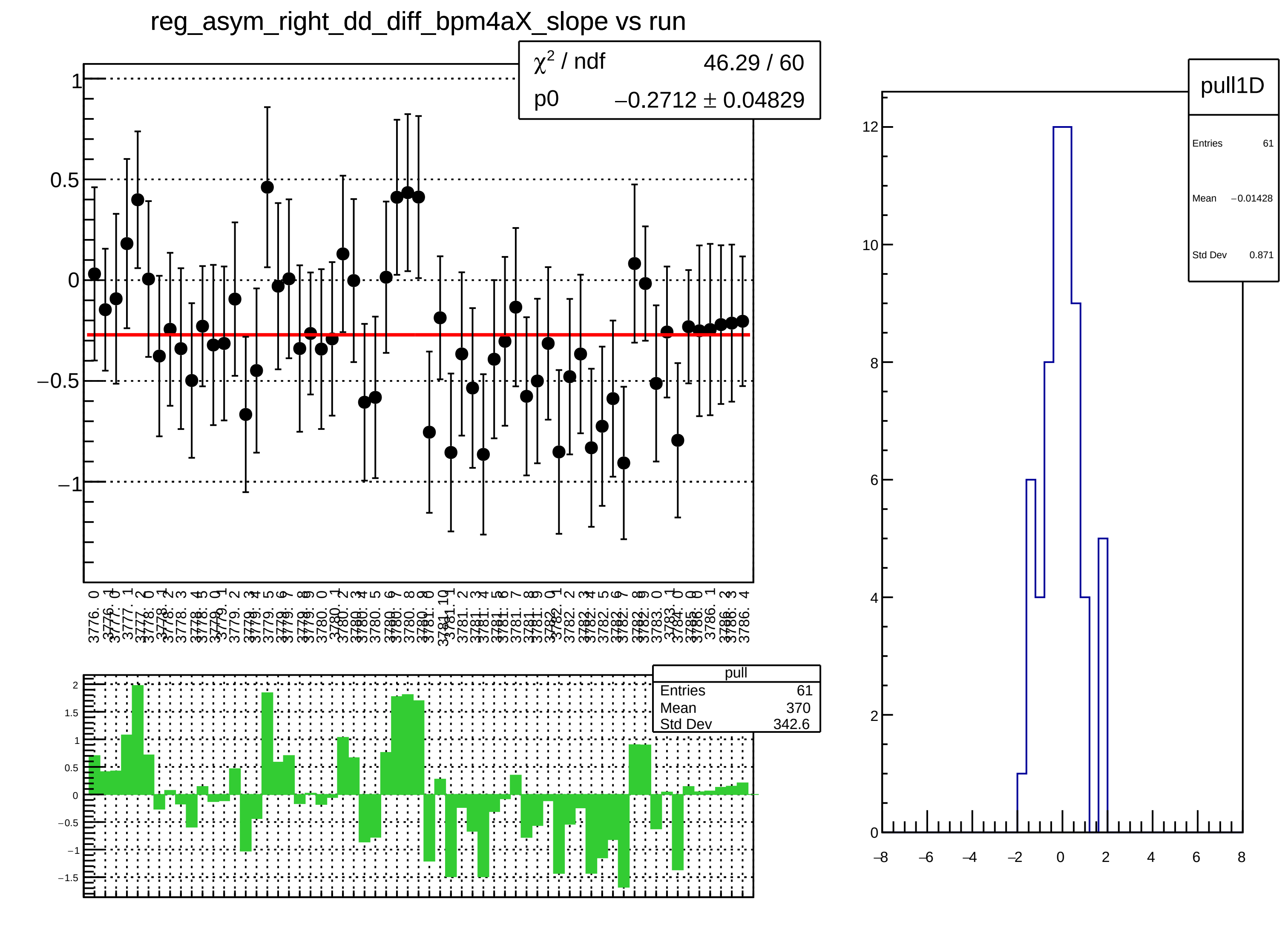


reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 26.24 / 60
p0 30.07 ± 0.1216
pull
Entries 61
Mean 118.4
Std Dev 97.9
pull1D
Entries 61
Mean −0.01573
Std Dev 0.6556

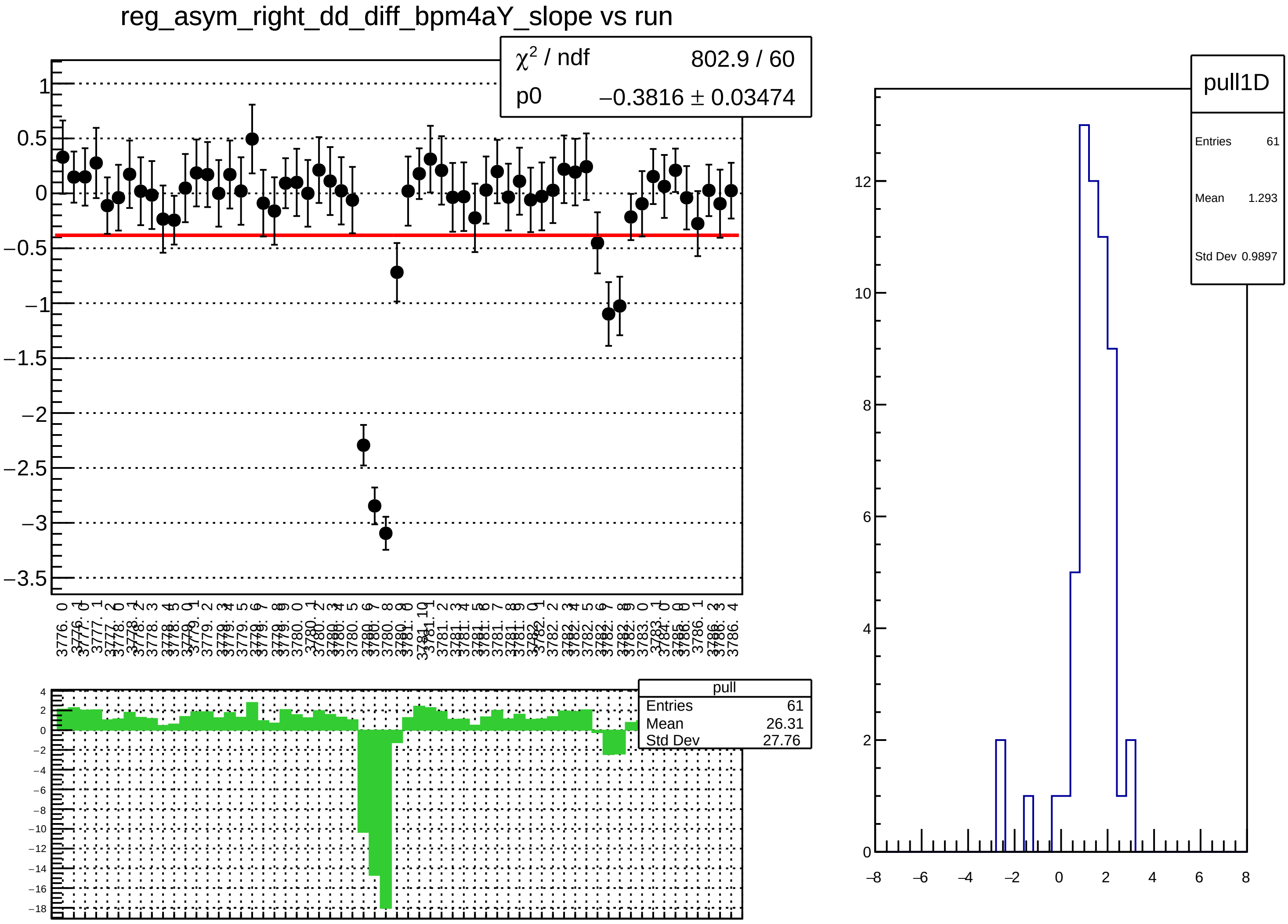

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 384.4 / 60
p0 1.672 ± 0.6995
pull
Entries 61
Mean 28.26
Std Dev 26.81
pull1D
Entries 61
Mean −0.8005
Std Dev 1.225



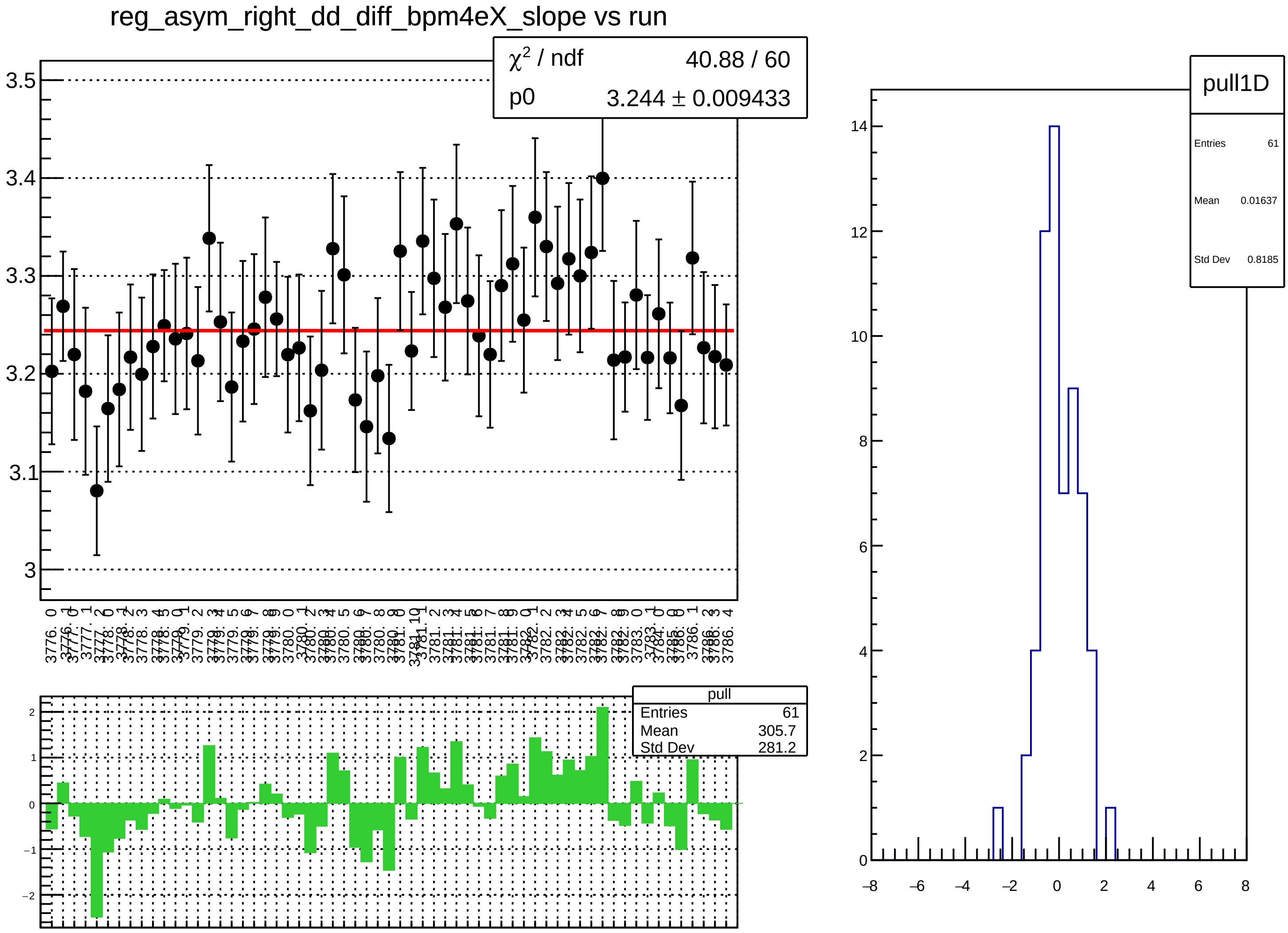
reg_asym_right_avg_diff_bpm11X_slope vs run
χ2 / ndf 24.84 / 60
p0 −49.27 ± 0.1341
pull
Entries 61
Mean −872
Std Dev 912.7
pull1D
Entries 61
Mean 0.0035
Std Dev 0.6381



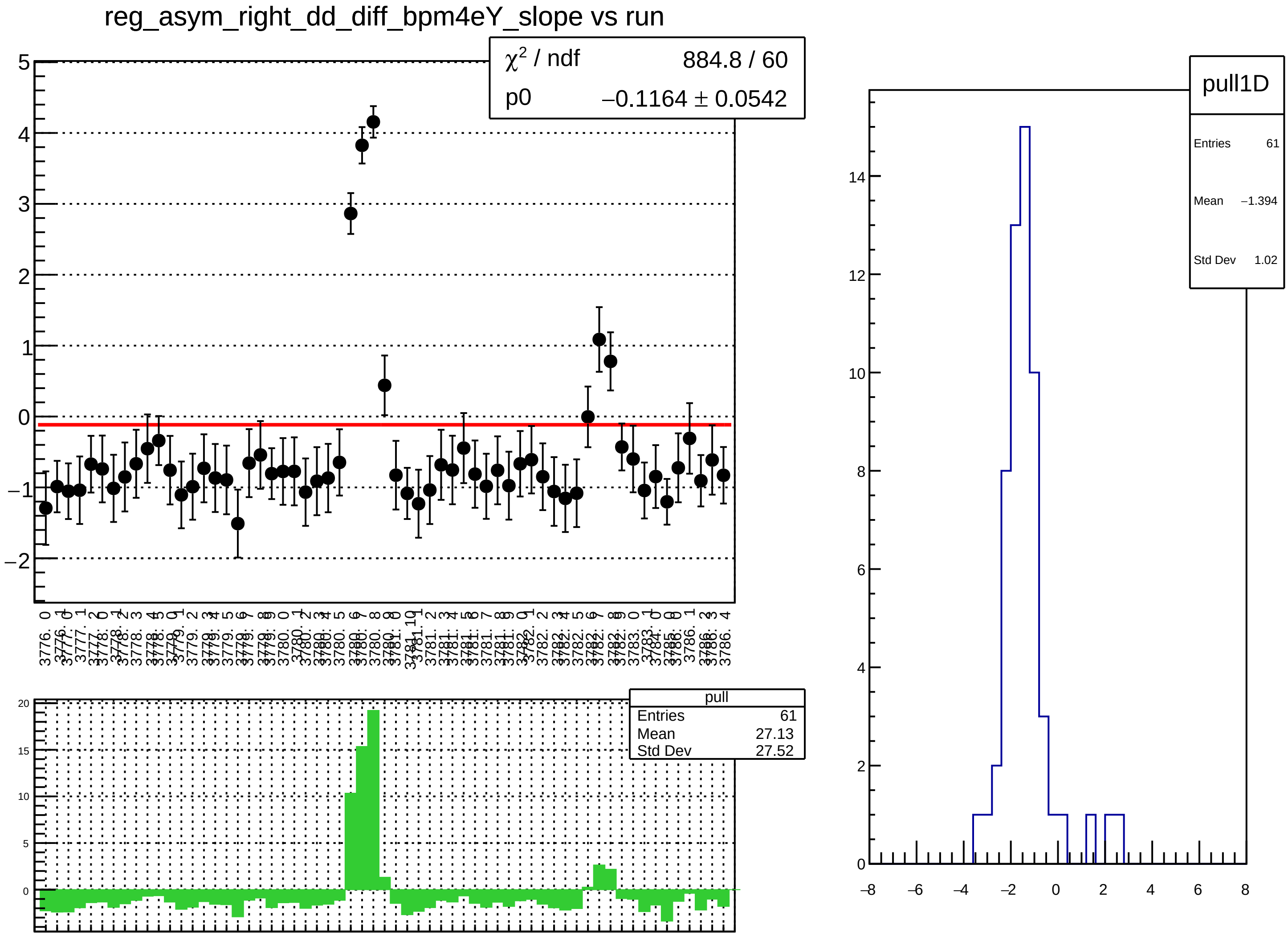
reg_asym_right_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 46.29 / 60
p0 −0.2712 ± 0.04829
pull
Entries 61
Mean 370
Std Dev 342.6
pull1D
Entries 61
Mean −0.01428
Std Dev 0.871



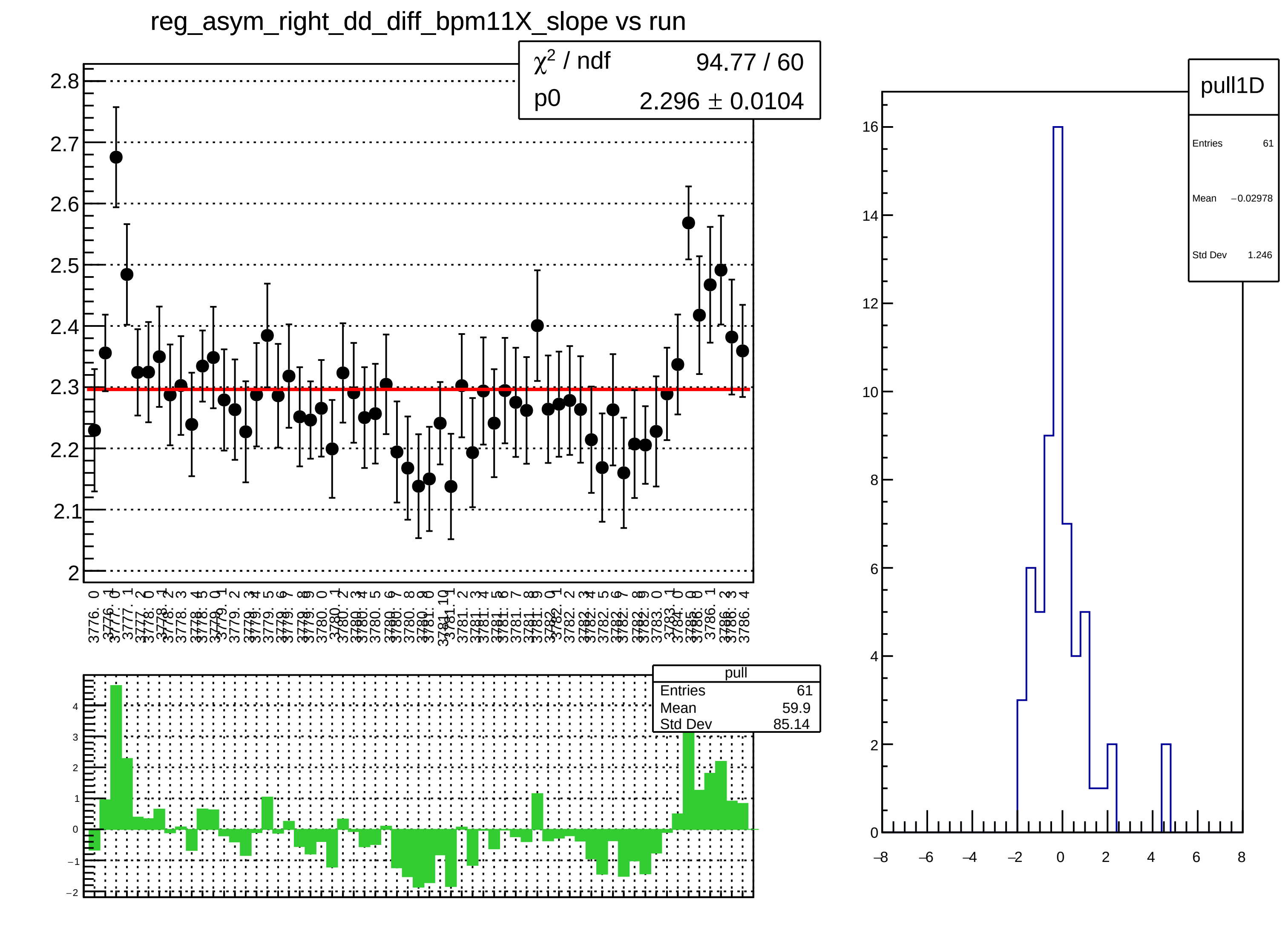
reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 802.9 / 60
p0 −0.3816 ± 0.03474
pull
Entries 61
Mean 26.31
Std Dev 27.76
pull1D
Entries 61
Mean 1.293
Std Dev 0.9897



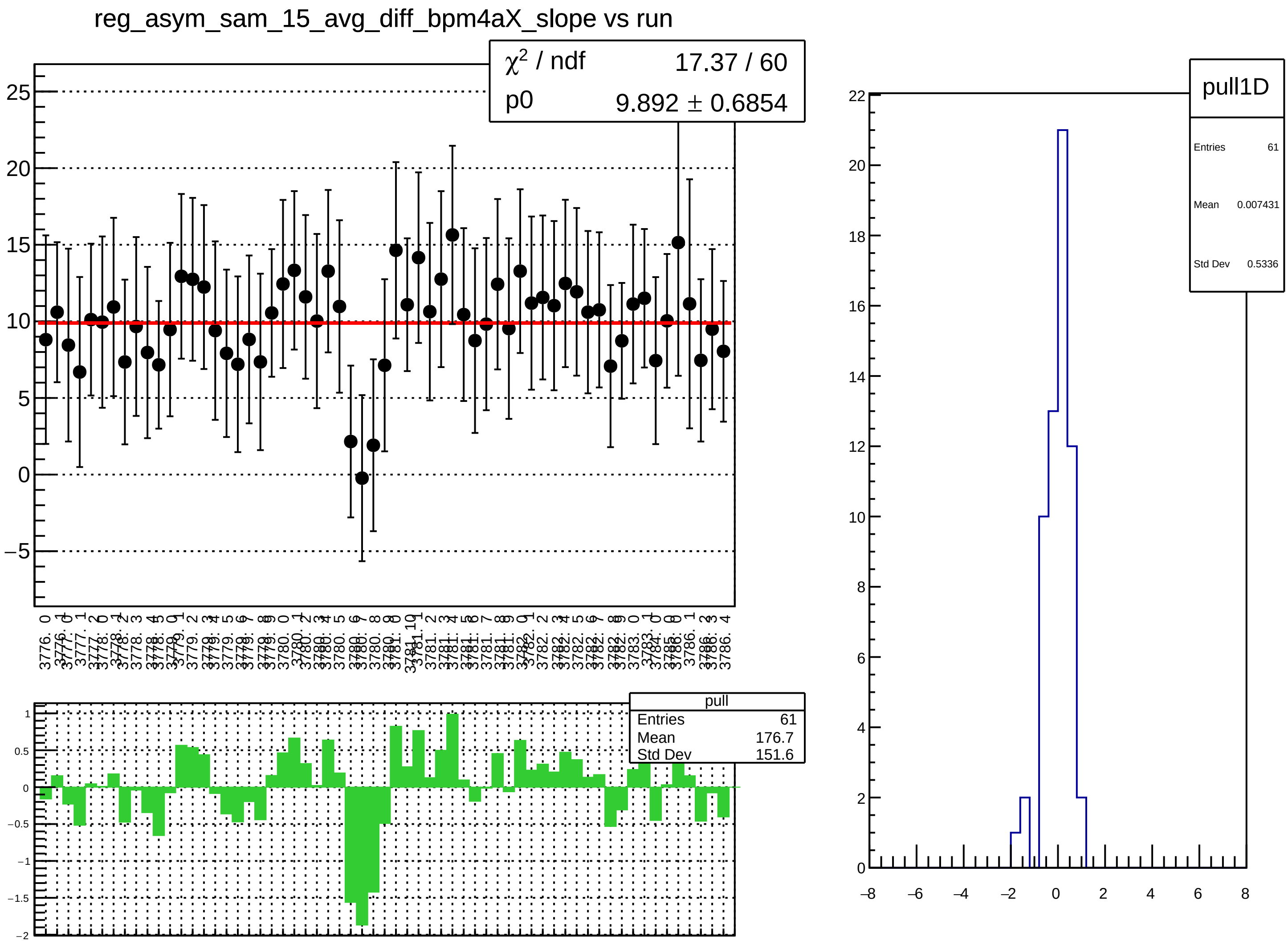
reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 40.88 / 60
p0 3.244 ± 0.009433
pull
Entries 61
Mean 305.7
Std Dev 281.2
pull1D
Entries 61
Mean 0.01637
Std Dev 0.8185

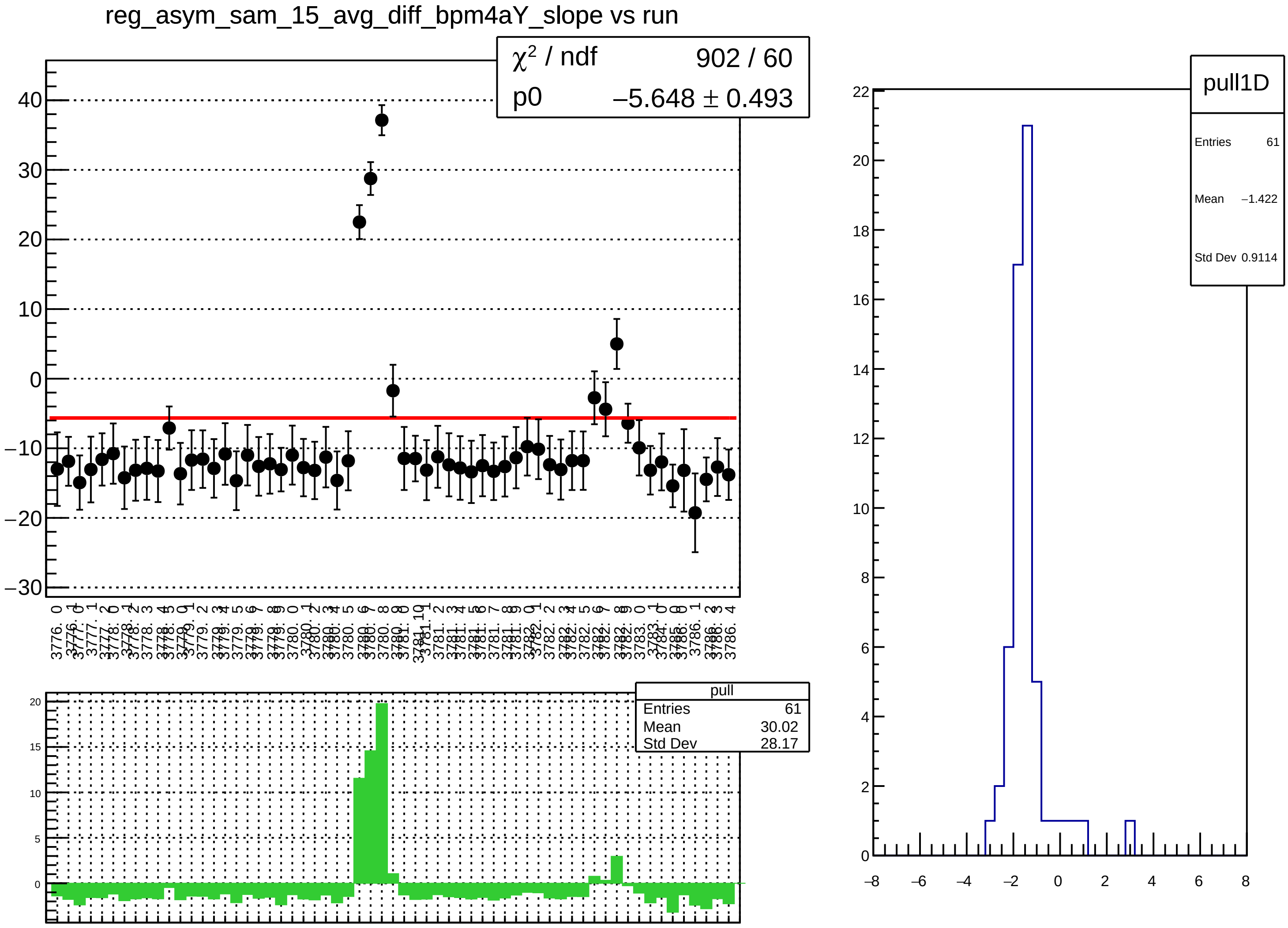


reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 884.8 / 60
p0 −0.1164 ± 0.0542
pull
Entries 61
Mean 27.13
Std Dev 27.52
pull1D
Entries 61
Mean −1.394
Std Dev 1.02

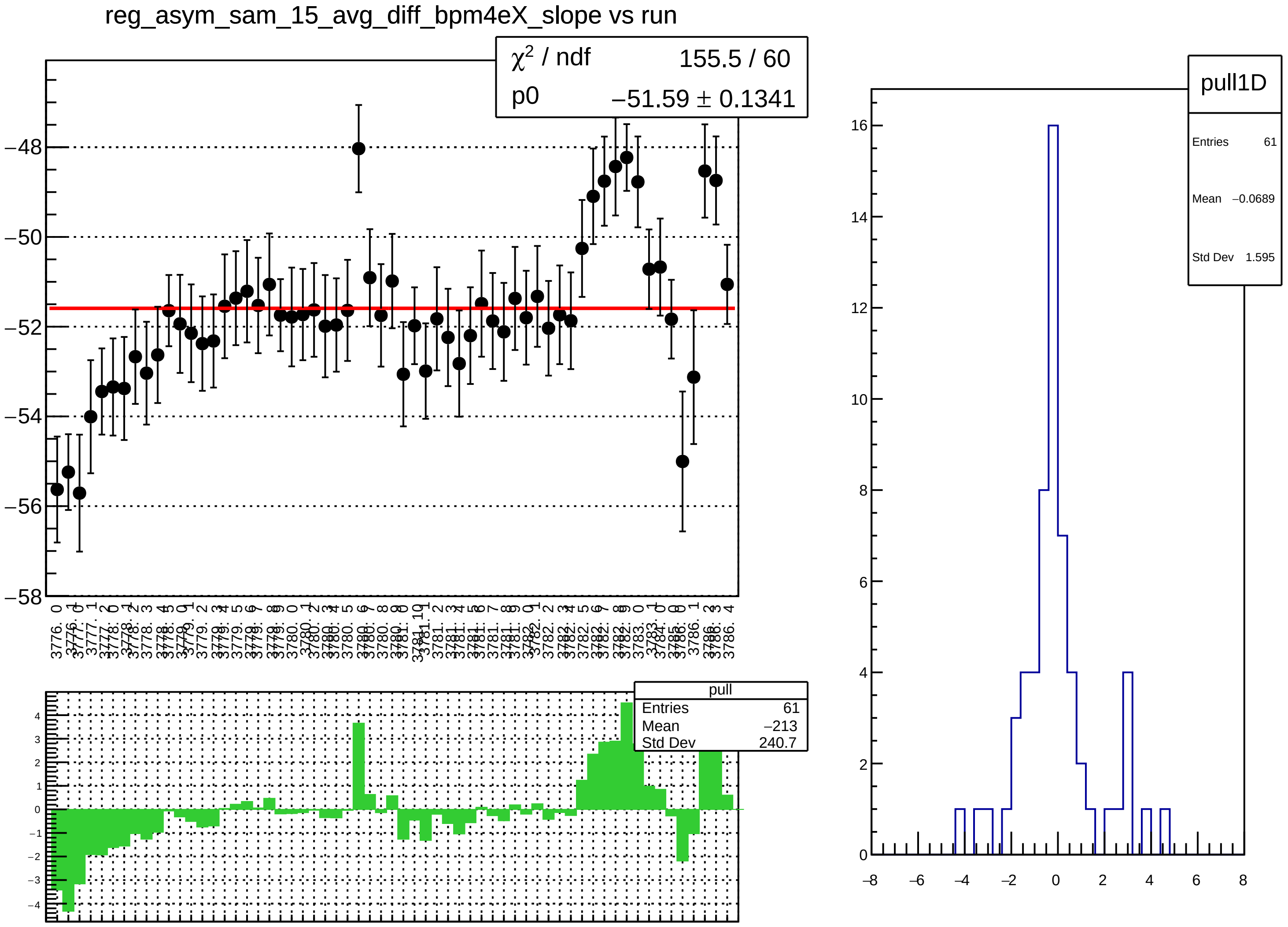


reg_asym_right_dd_diff_bpm11X_slope vs run
χ^2 / ndf 94.77 / 60
p0 2.296 ± 0.0104
pull
Entries 61
Mean 59.9
Std Dev 85.14
pull1D
Entries 61
Mean −0.02978
Std Dev 1.246

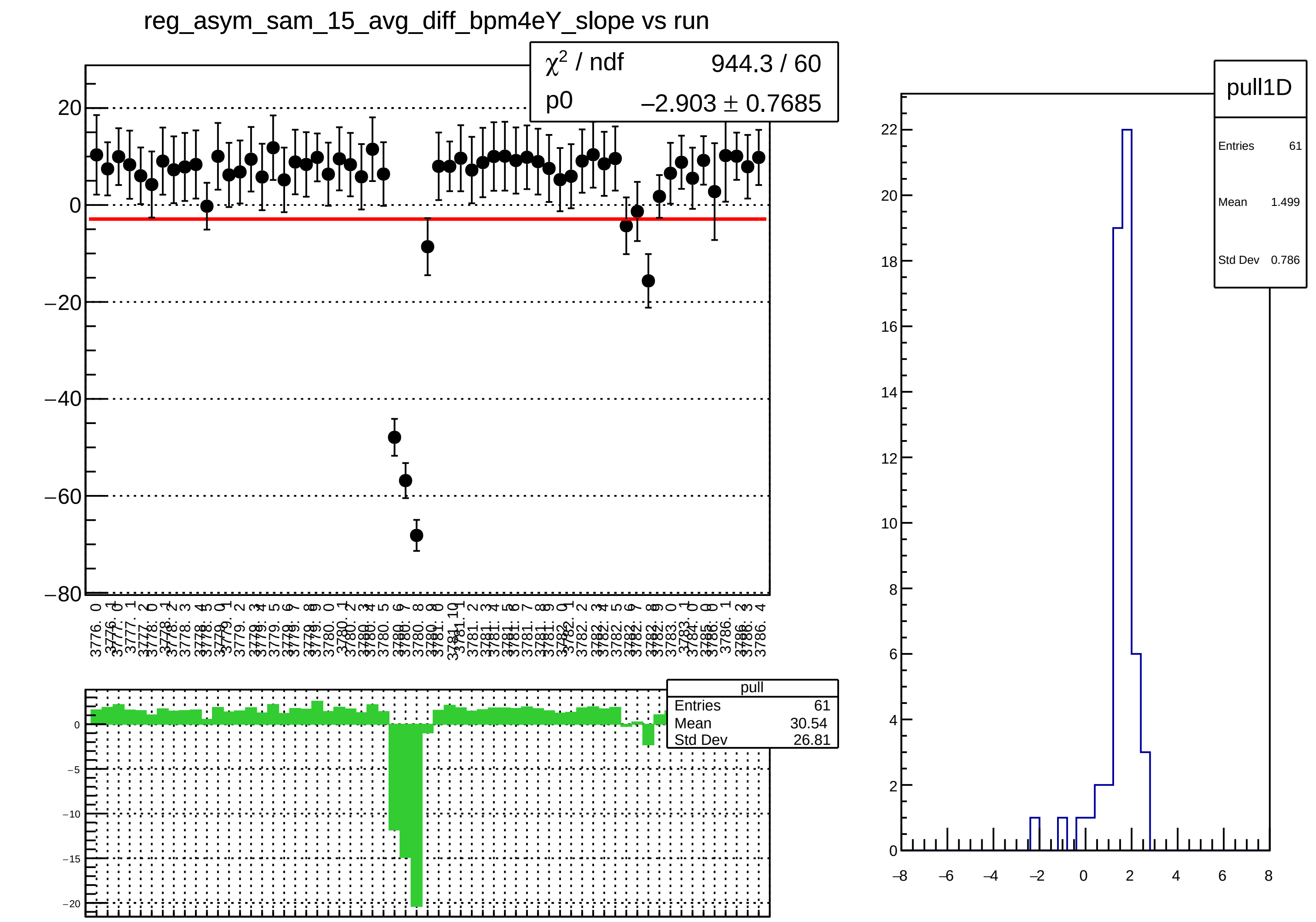

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 17.37 / 60
p0 9.892 ± 0.6854
pull
Entries 61
Mean 176.7
Std Dev 151.6
pull1D
Entries 61
Mean 0.007431
Std Dev 0.5336



reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 902 / 60
p0 −5.648 ± 0.493
pull
Entries 61
Mean 30.02
Std Dev 28.17
pull1D
Entries 61
Mean −1.422
Std Dev 0.9114

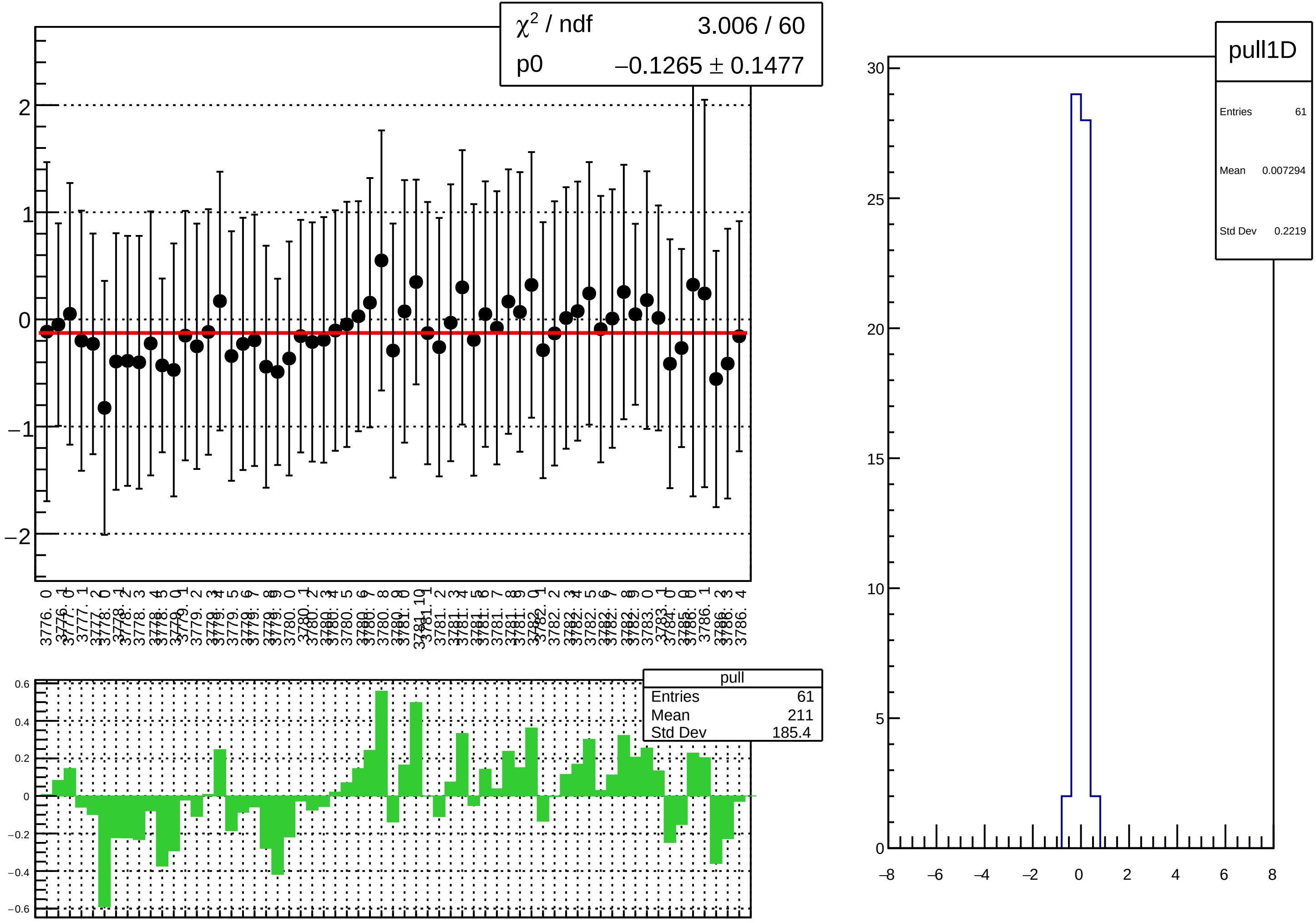


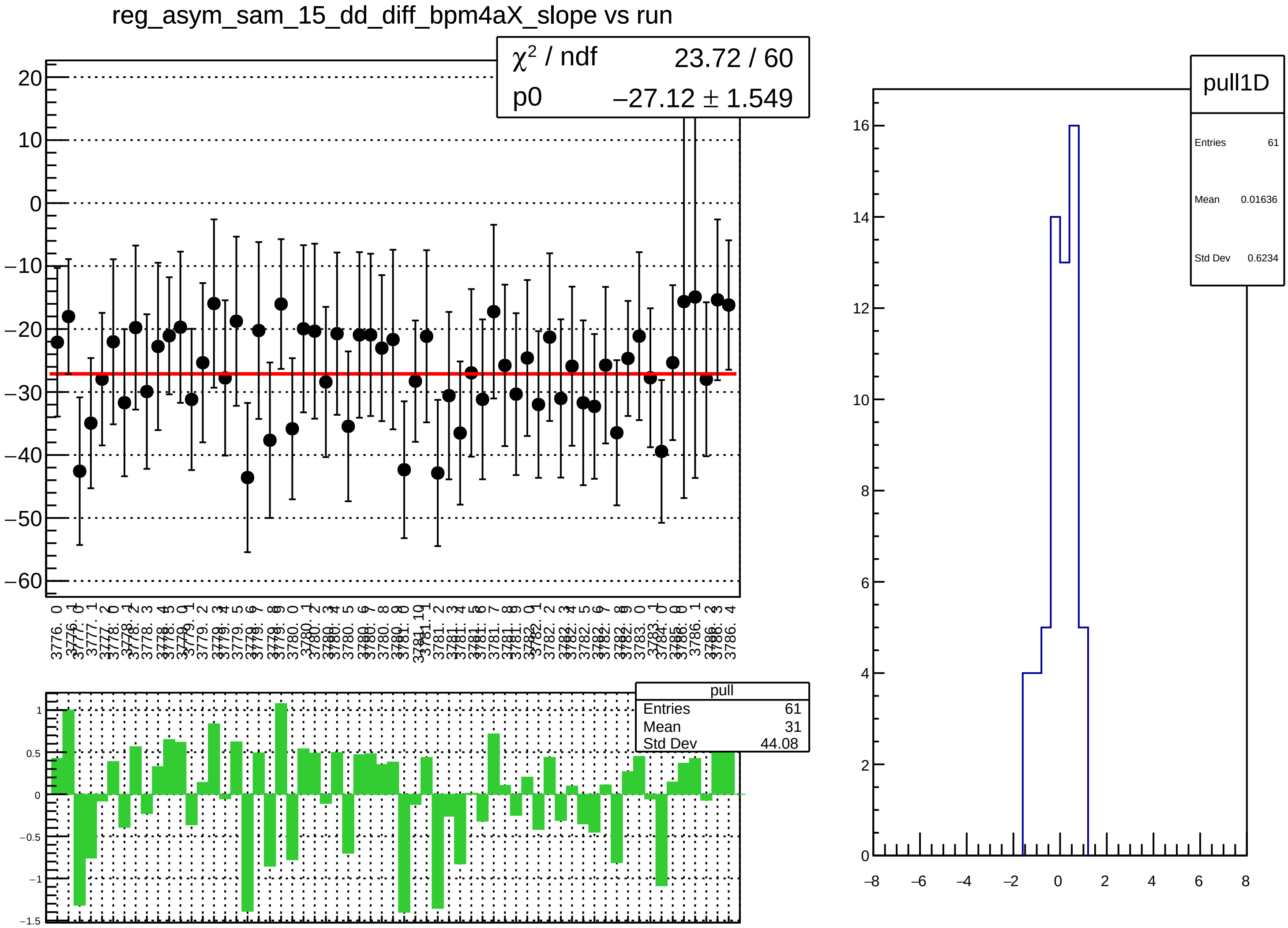
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ2 / ndf 155.5 / 60
p0 −51.59 ± 0.1341
−48
−50
−52
−54
−56
−58
pull
Entries 61
Mean −213
Std Dev 240.7
pull1D
Entries 61
Mean −0.0689
Std Dev 1.595



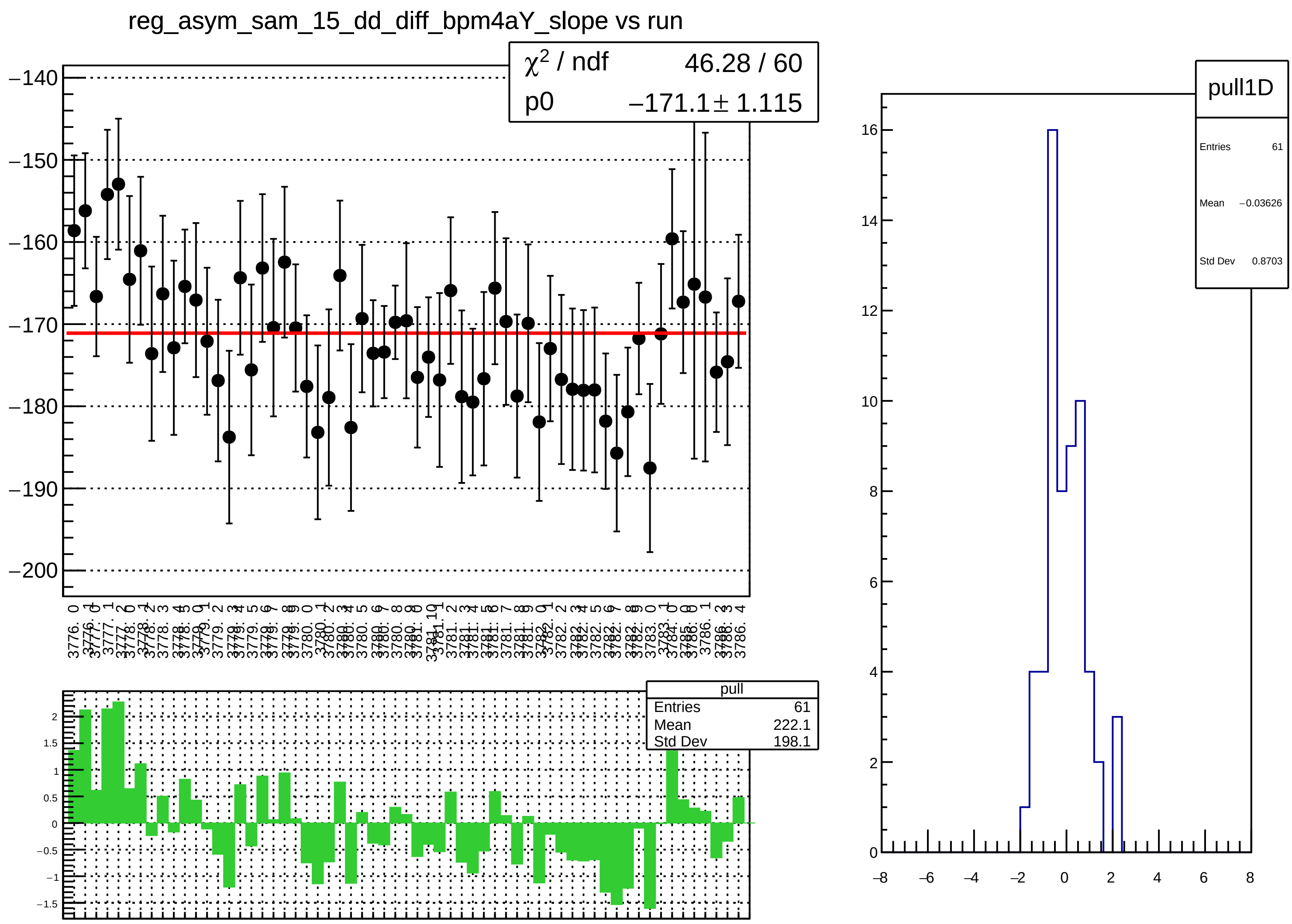
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 944.3 / 60
p0 −2.903 ± 0.7685
pull
Entries 61
Mean 30.54
Std Dev 26.81
pull1D
Entries 61
Mean 1.499
Std Dev 0.786

reg_asym_sam_15_avg_diff_bpm11X_slope vs run

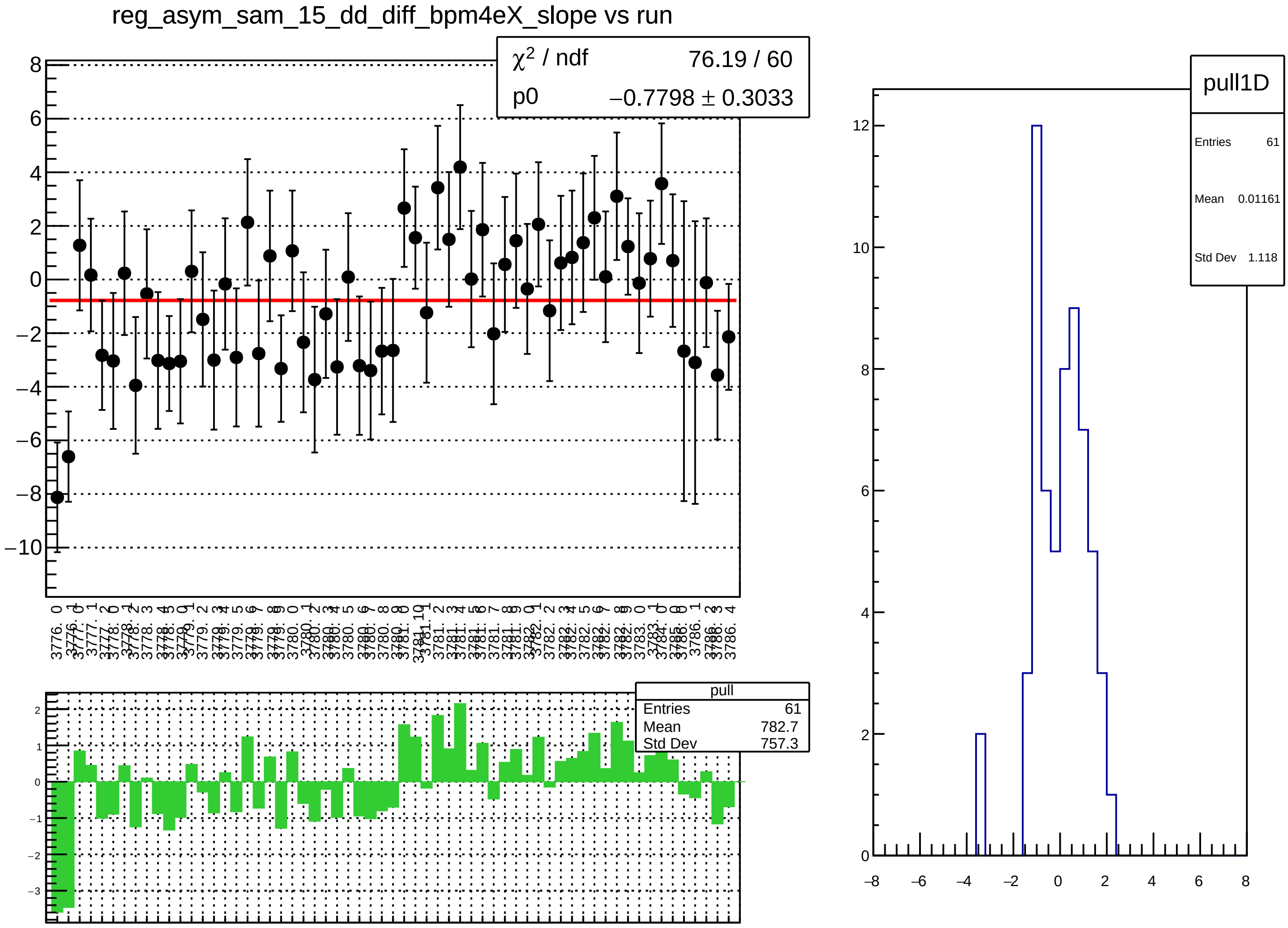


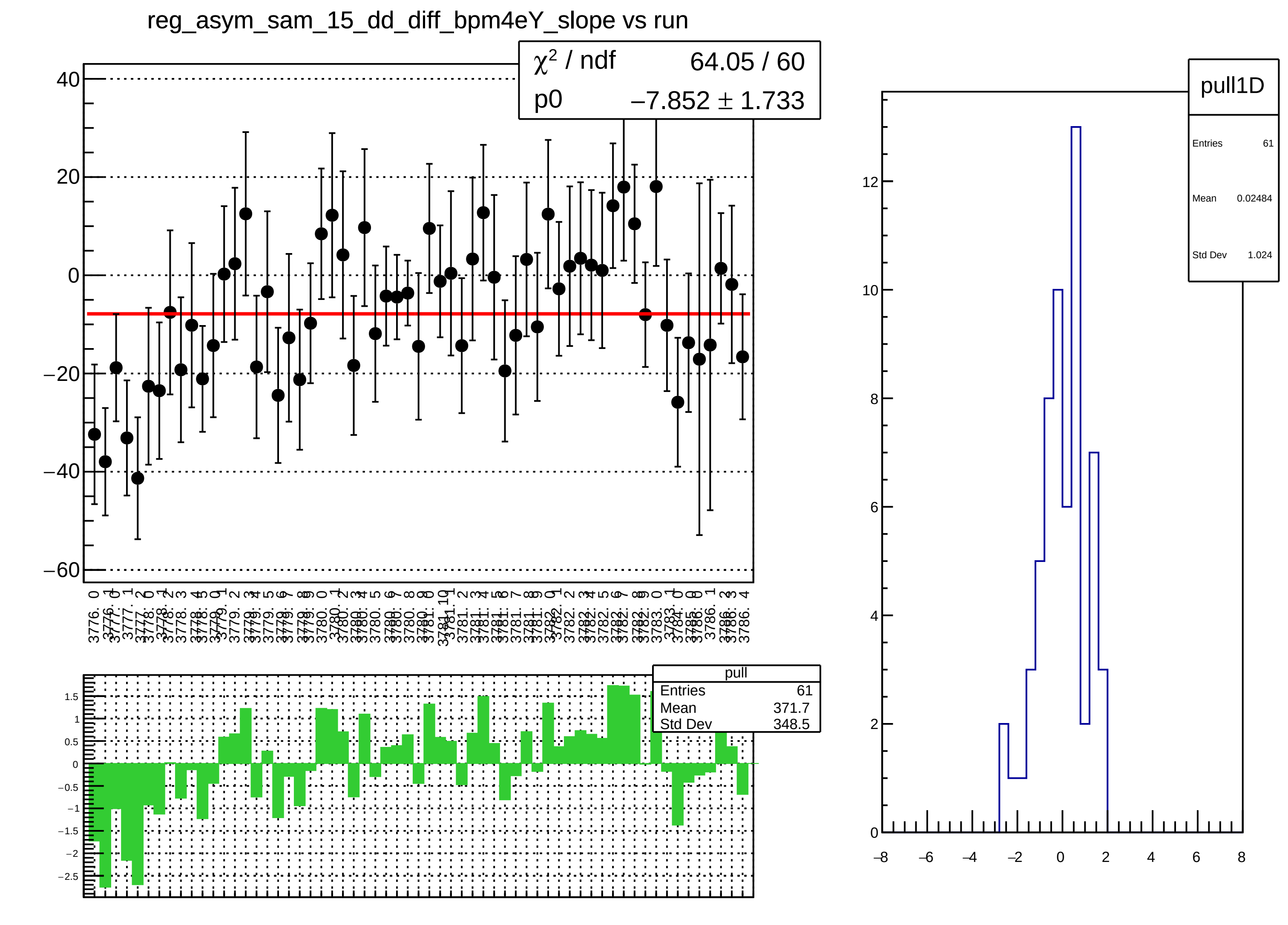


reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ2 / ndf 23.72 / 60
p0 −27.12 ± 1.549
pull
Entries 61
Mean 31
Std Dev 44.08
pull1D
Entries 61
Mean 0.01636
Std Dev 0.6234

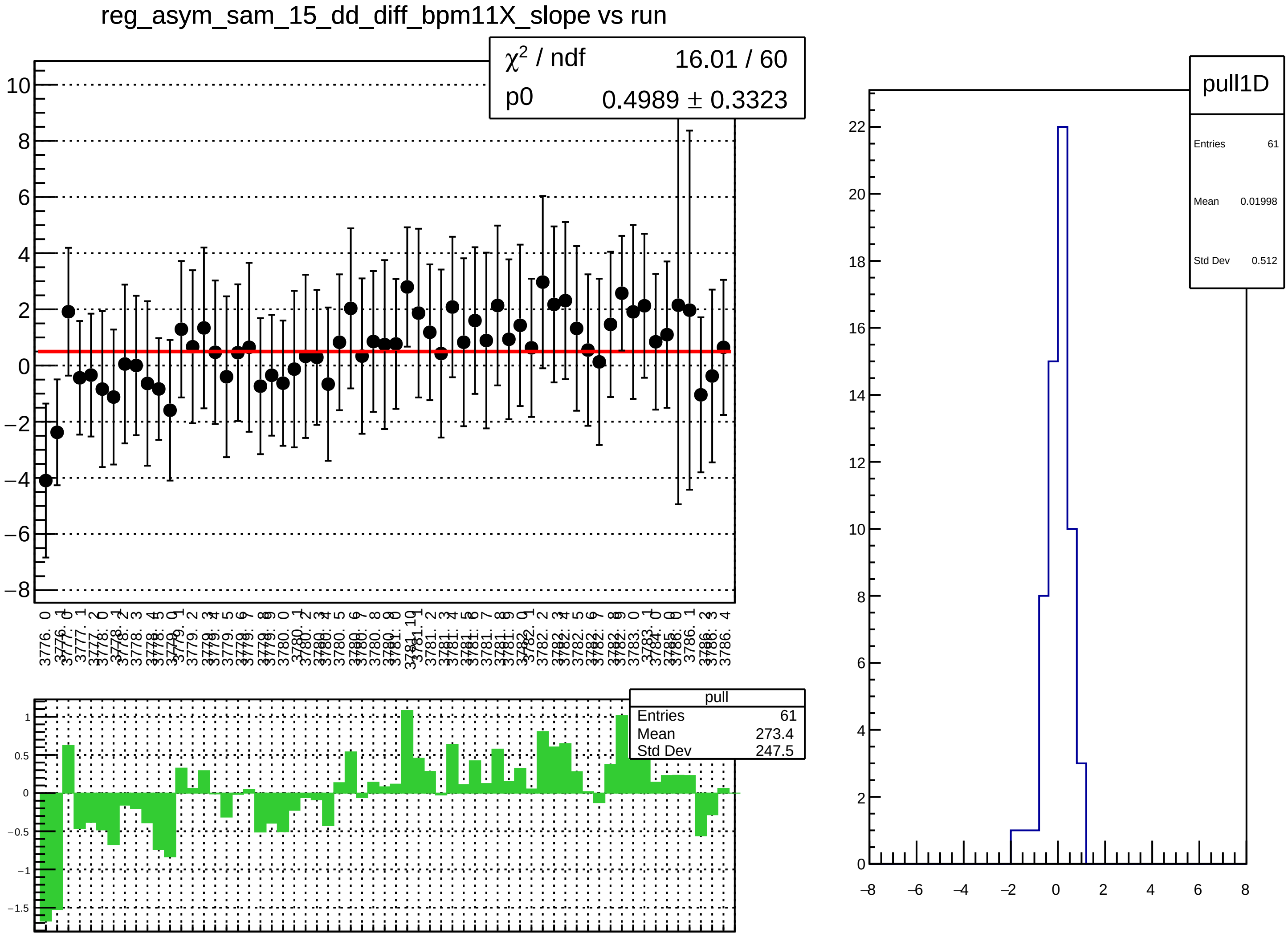


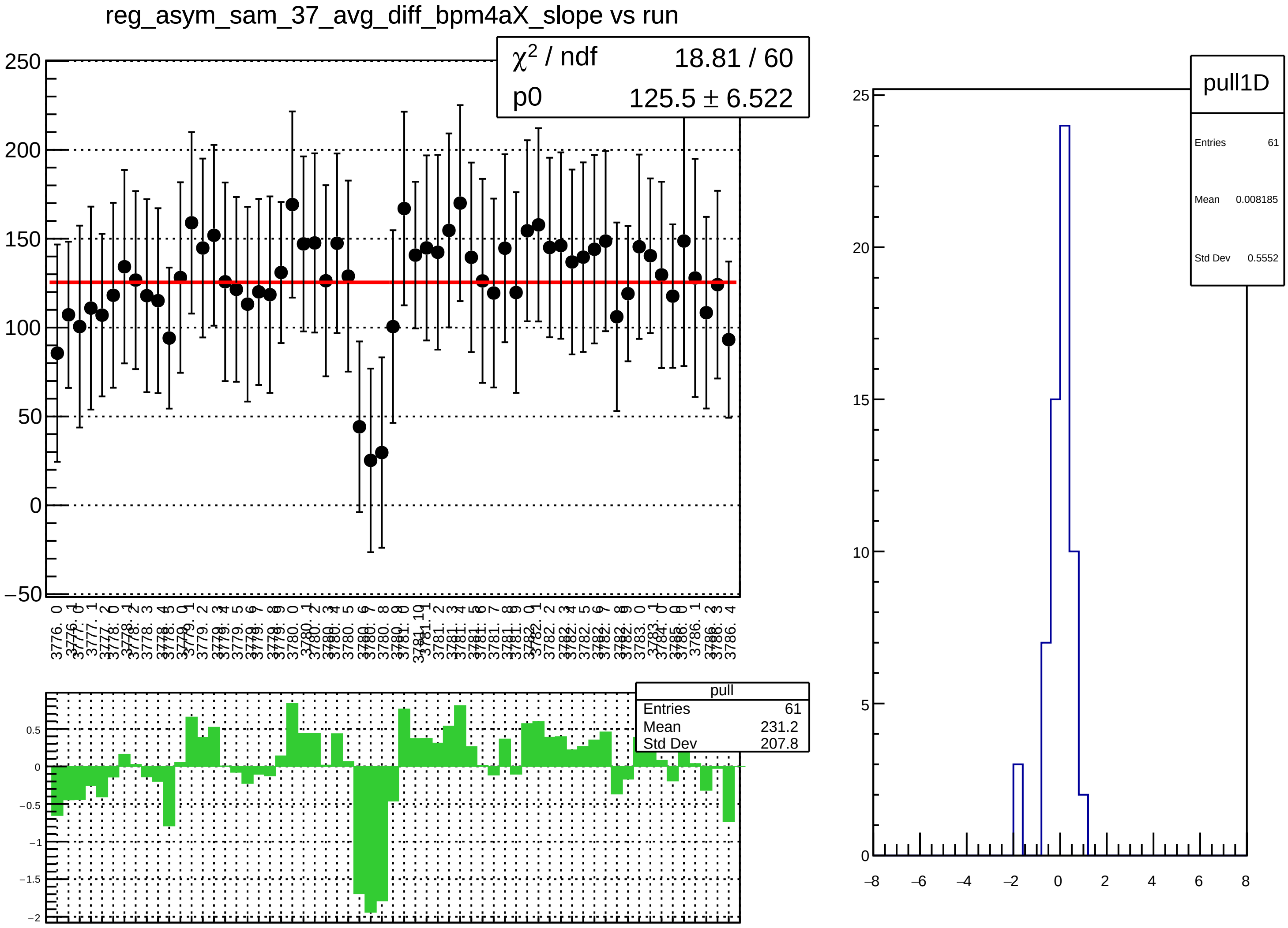
reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ2 / ndf 46.28 / 60
p0 −171.1 ± 1.115
pull
Entries 61
Mean 222.1
Std Dev 198.1
pull1D
Entries 61
Mean −0.03626
Std Dev 0.8703


reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ2 / ndf 76.19 / 60
p0 −0.7798 ± 0.3033
pull
Entries 61
Mean 782.7
Std Dev 757.3
pull1D
Entries 61
Mean 0.01161
Std Dev 1.118

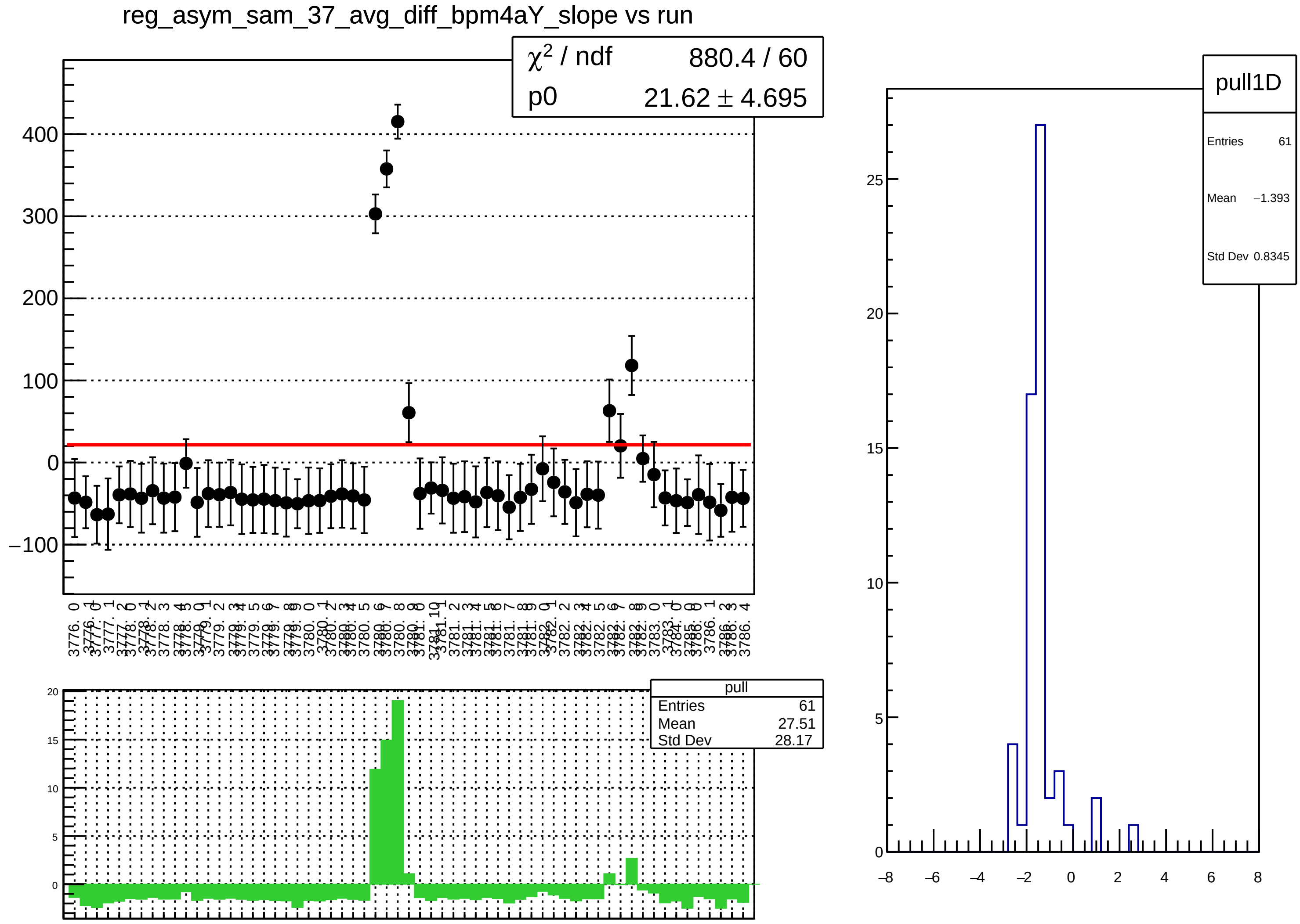


reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ2 / ndf 64.05 / 60
p0 −7.852 ± 1.733
pull
Entries 61
Mean 371.7
Std Dev 348.5
pull1D
Entries 61
Mean 0.02484
Std Dev 1.024

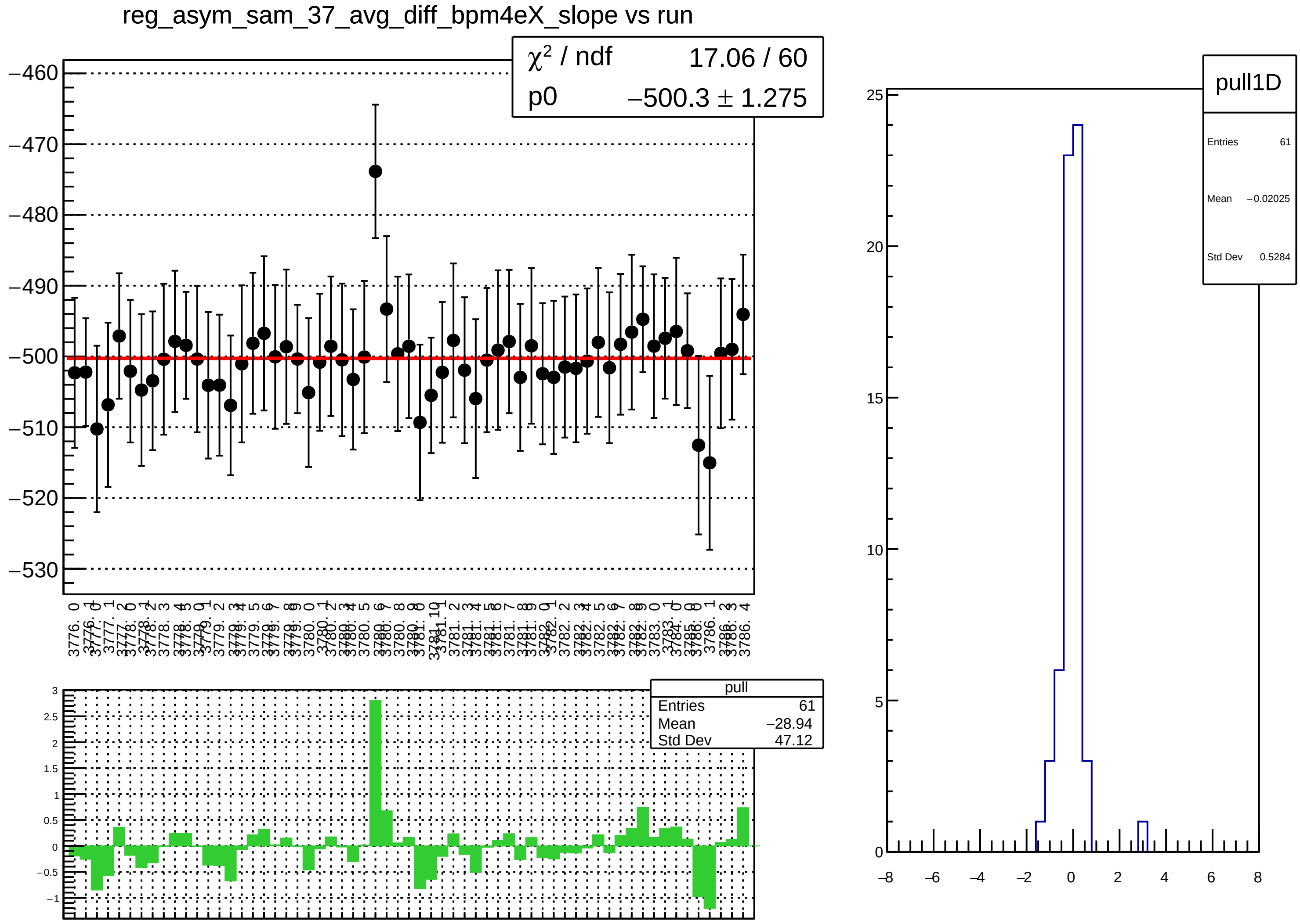

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ^2 / ndf 16.01 / 60
p0 0.4989 ± 0.3323
pull
Entries 61
Mean 273.4
Std Dev 247.5
pull1D
Entries 61
Mean 0.01998
Std Dev 0.512

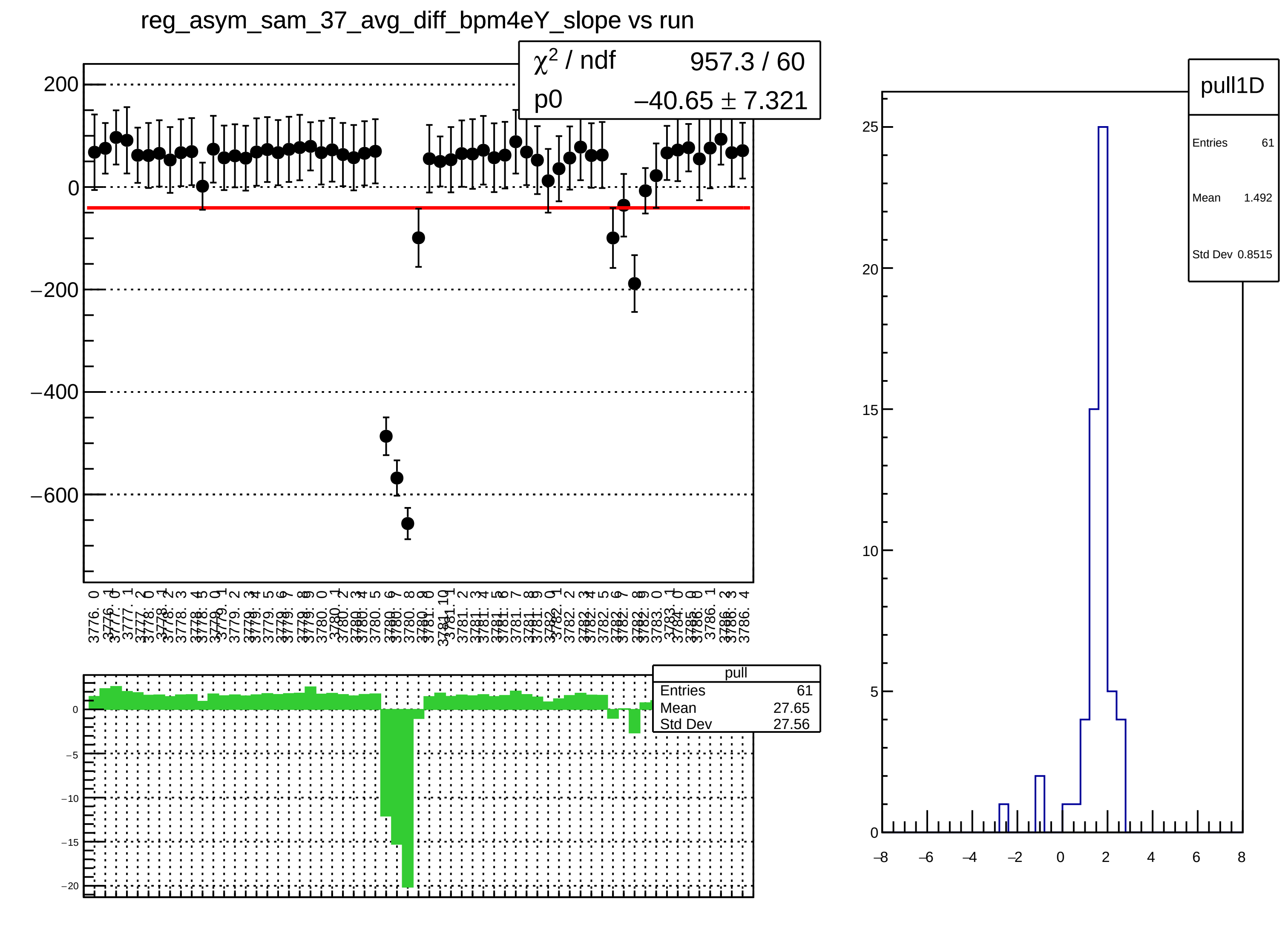


reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 18.81 / 60
p0 125.5 ± 6.522
pull
Entries 61
Mean 231.2
Std Dev 207.8
pull1D
Entries 61
Mean 0.008185
Std Dev 0.5552

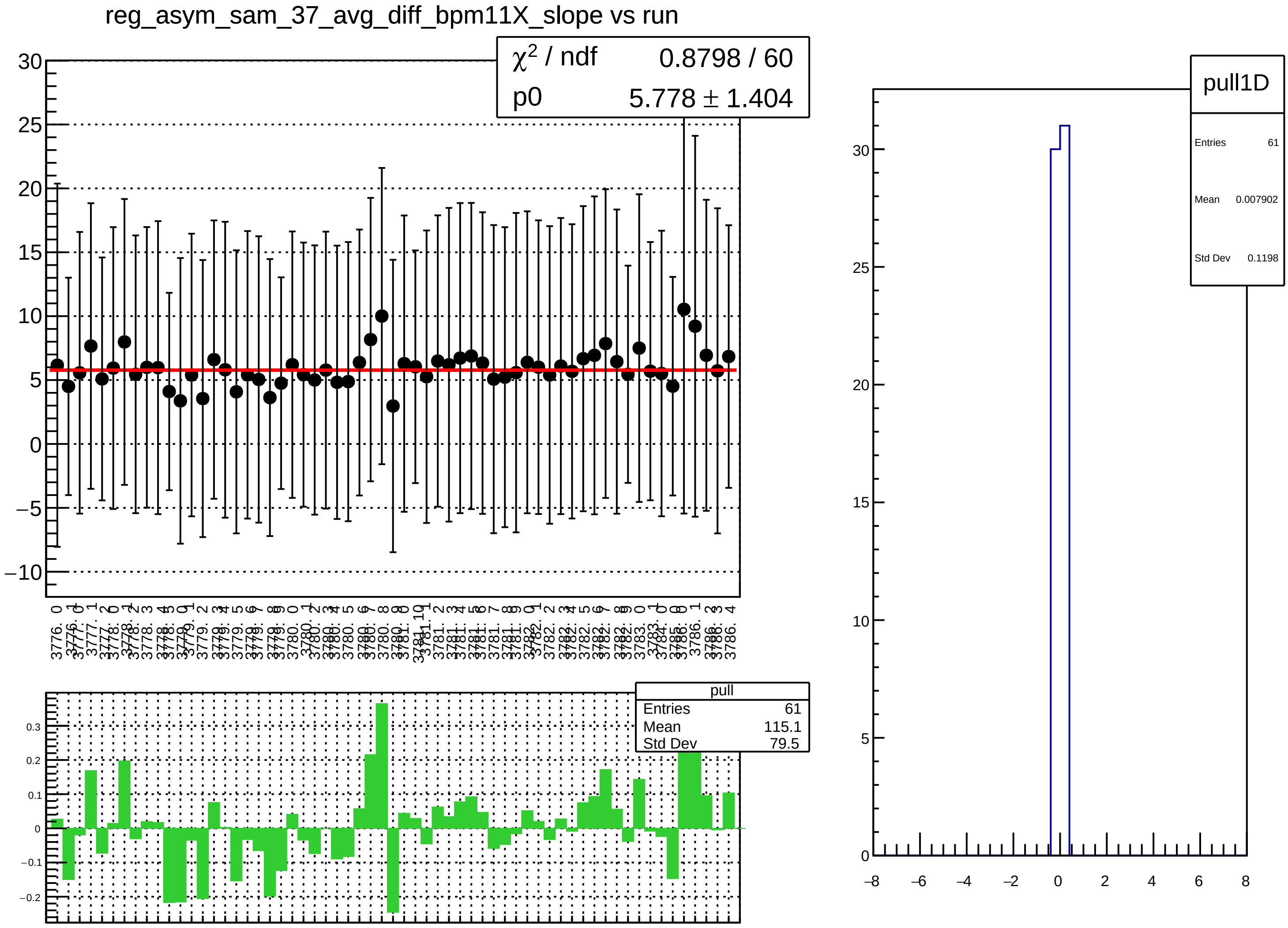


reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 880.4 / 60
p0 21.62 ± 4.695
pull
Entries 61
Mean 27.51
Std Dev 28.17
pull1D
Entries 61
Mean −1.393
Std Dev 0.8345

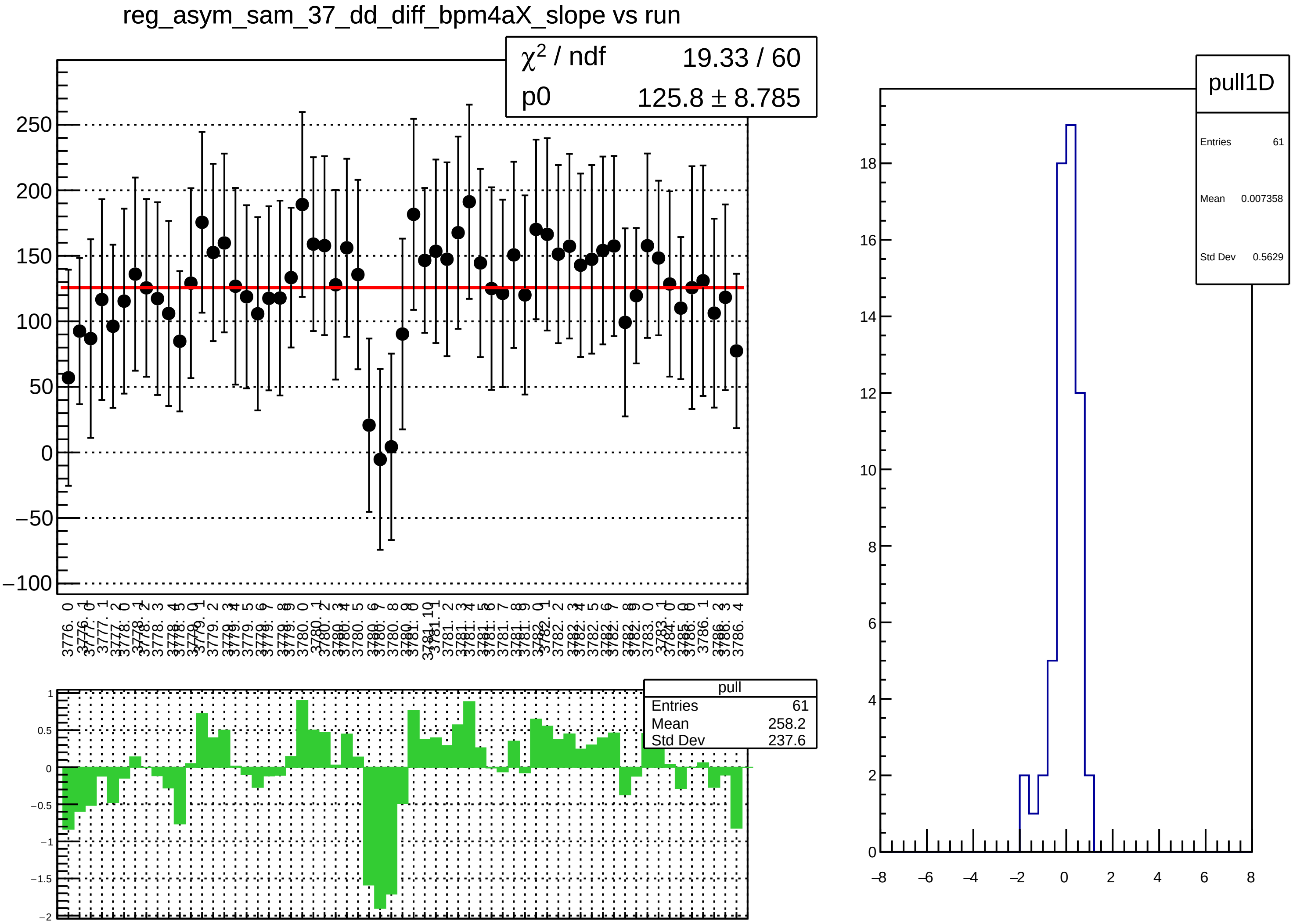

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 17.06 / 60
p0 −500.3 ± 1.275
pull
Entries 61
Mean −28.94
Std Dev 47.12
pull1D
Entries 61
Mean −0.02025
Std Dev 0.5284



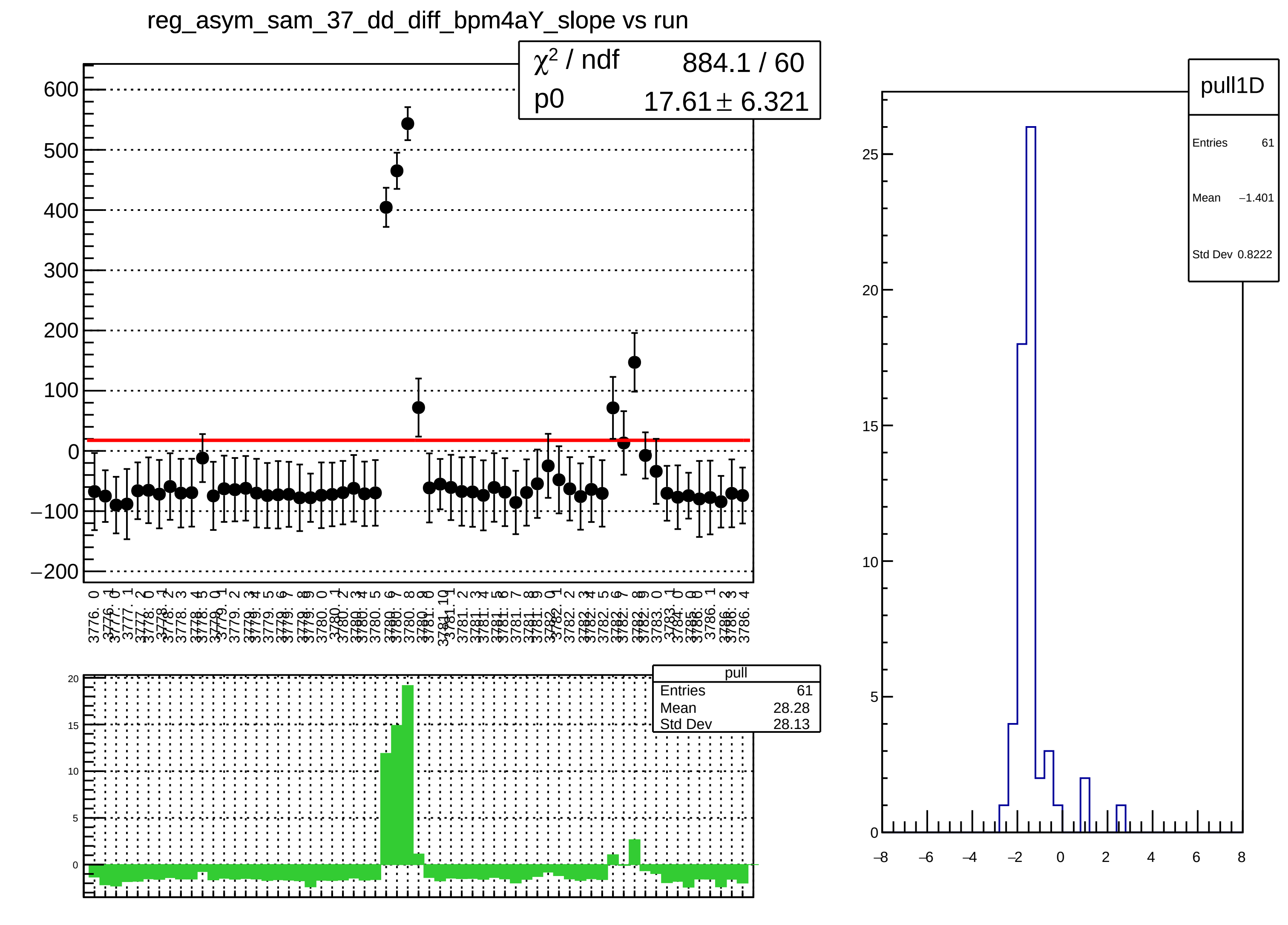
reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 957.3 / 60
p0 −40.65 ± 7.321
pull
Entries 61
Mean 27.65
Std Dev 27.56
pull1D
Entries 61
Mean 1.492
Std Dev 0.8515



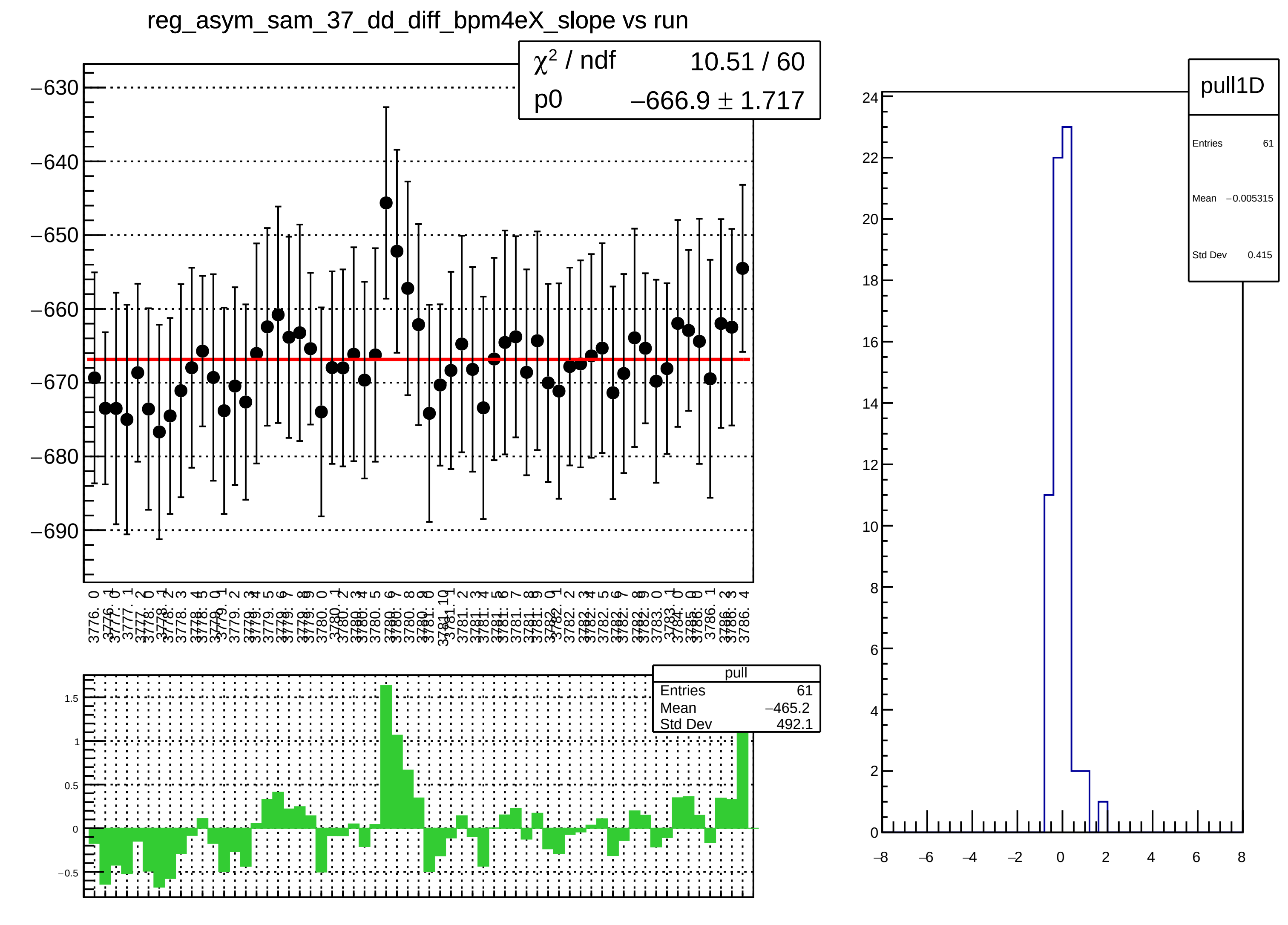
reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ^2 / ndf 0.8798 / 60
p0 5.778 ± 1.404
pull
Entries 61
Mean 115.1
Std Dev 79.5
pull1D
Entries 61
Mean 0.007902
Std Dev 0.1198

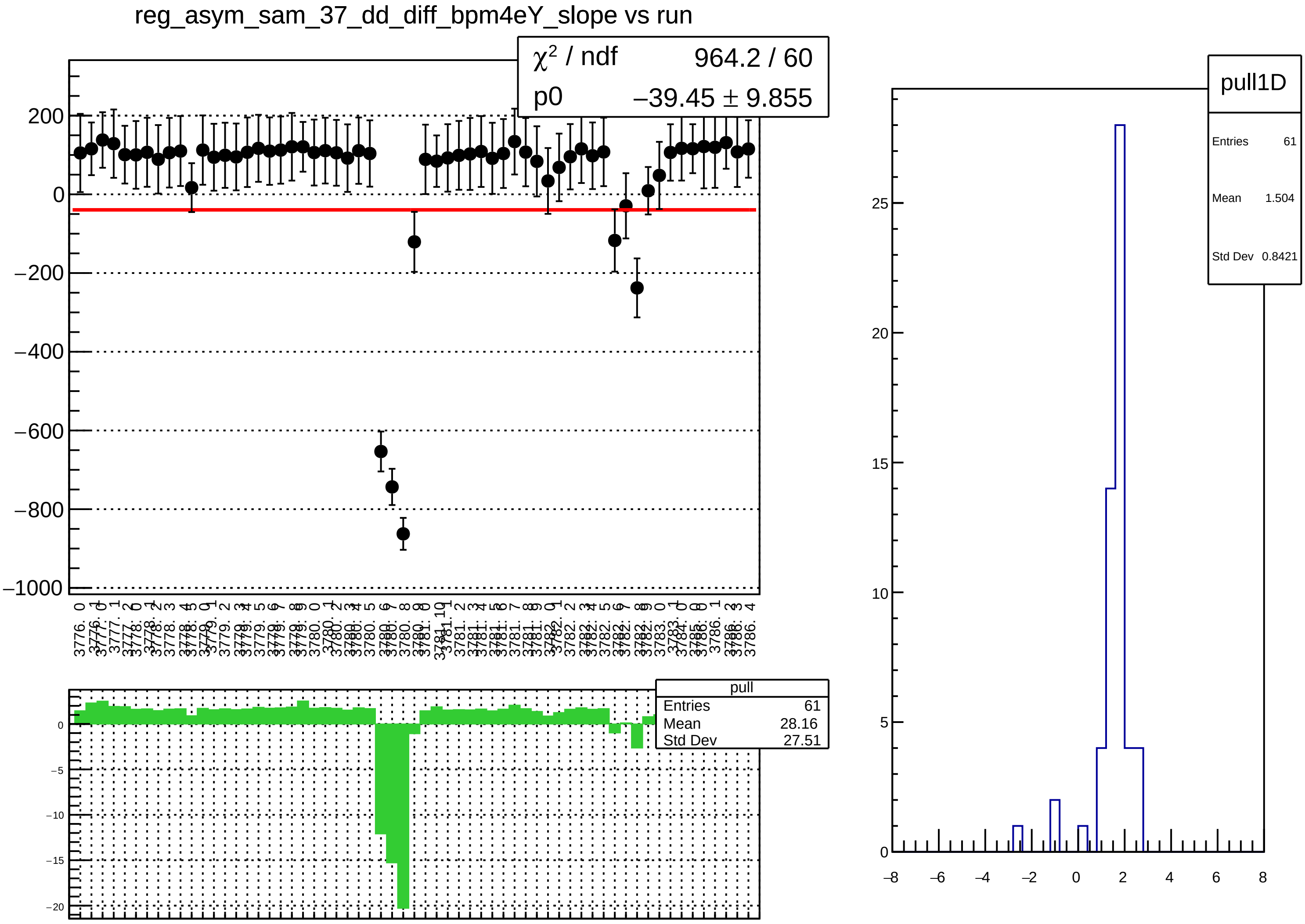


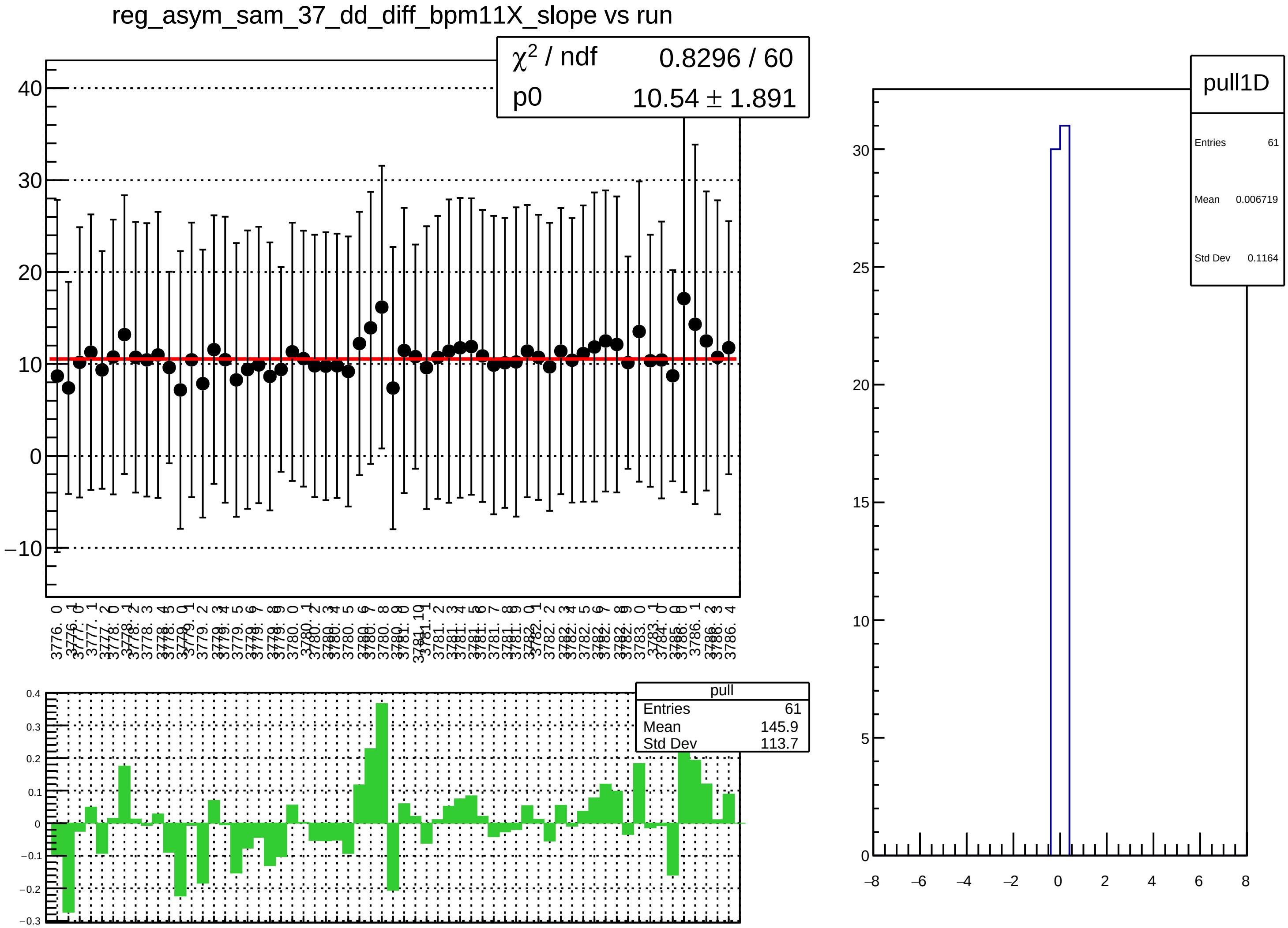
reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 19.33 / 60
p0 125.8 ± 8.785
pull
Entries 61
Mean 258.2
Std Dev 237.6
pull1D
Entries 61
Mean 0.007358
Std Dev 0.5629



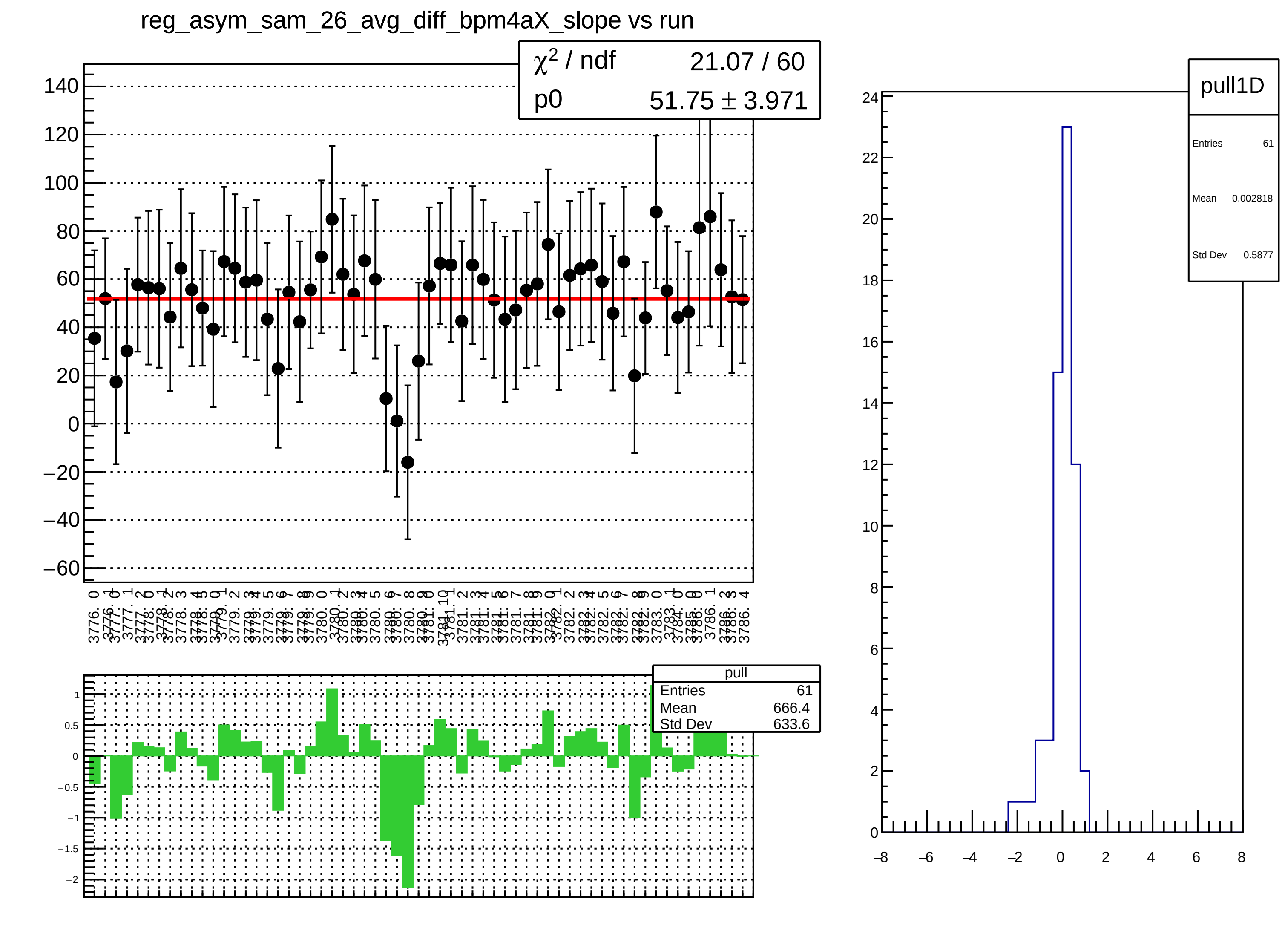
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 884.1 / 60
p0 17.61 ± 6.321
pull
Entries 61
Mean 28.28
Std Dev 28.13
pull1D
Entries 61
Mean −1.401
Std Dev 0.8222


reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ2 / ndf 10.51 / 60
p0 −666.9 ± 1.717
pull
Entries 61
Mean −465.2
Std Dev 492.1
pull1D
Entries 61
Mean −0.005315
Std Dev 0.415

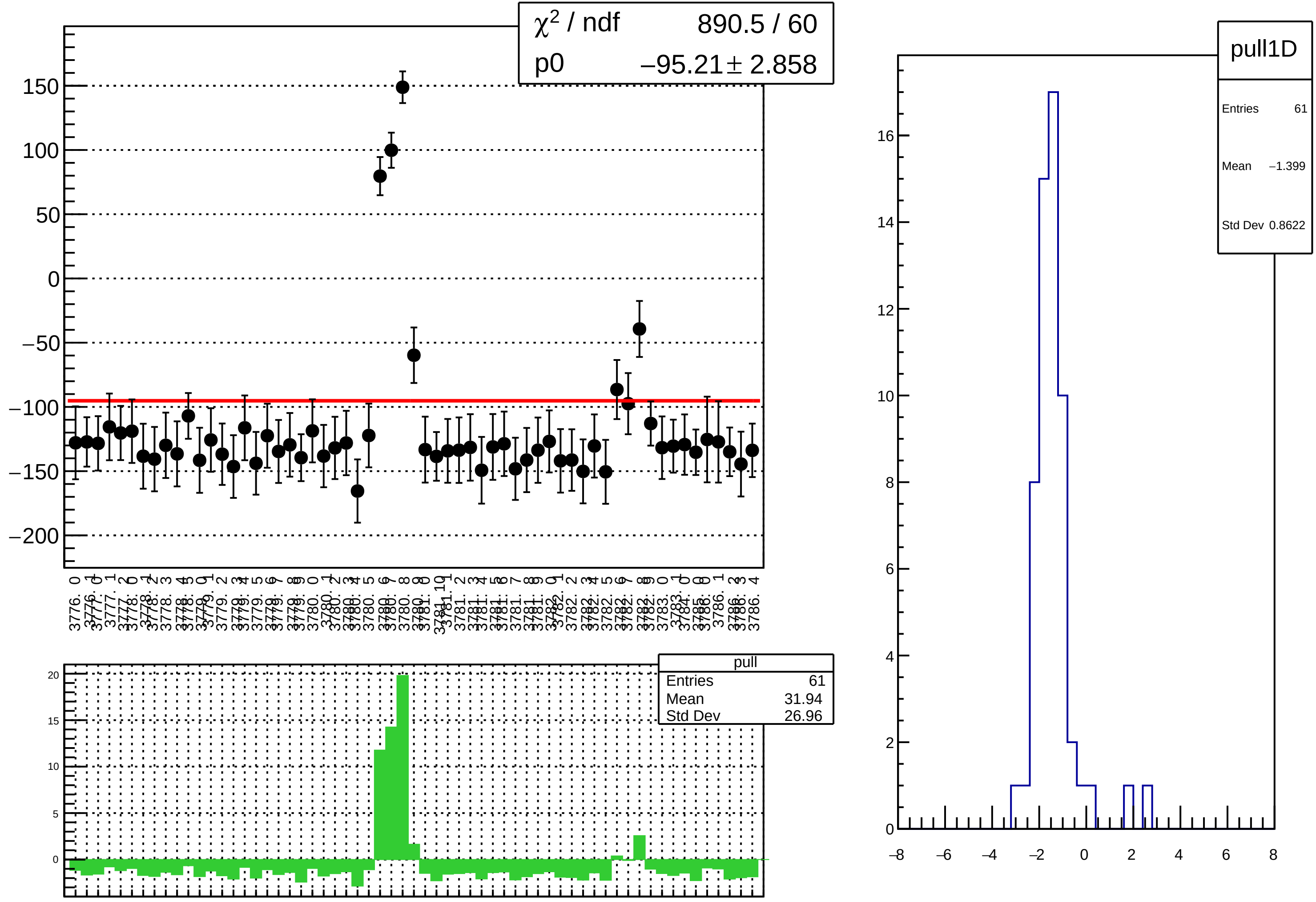

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 964.2 / 60
p0 −39.45 ± 9.855
pull
Entries 61
Mean 28.16
Std Dev 27.51
pull1D
Entries 61
Mean 1.504
Std Dev 0.8421

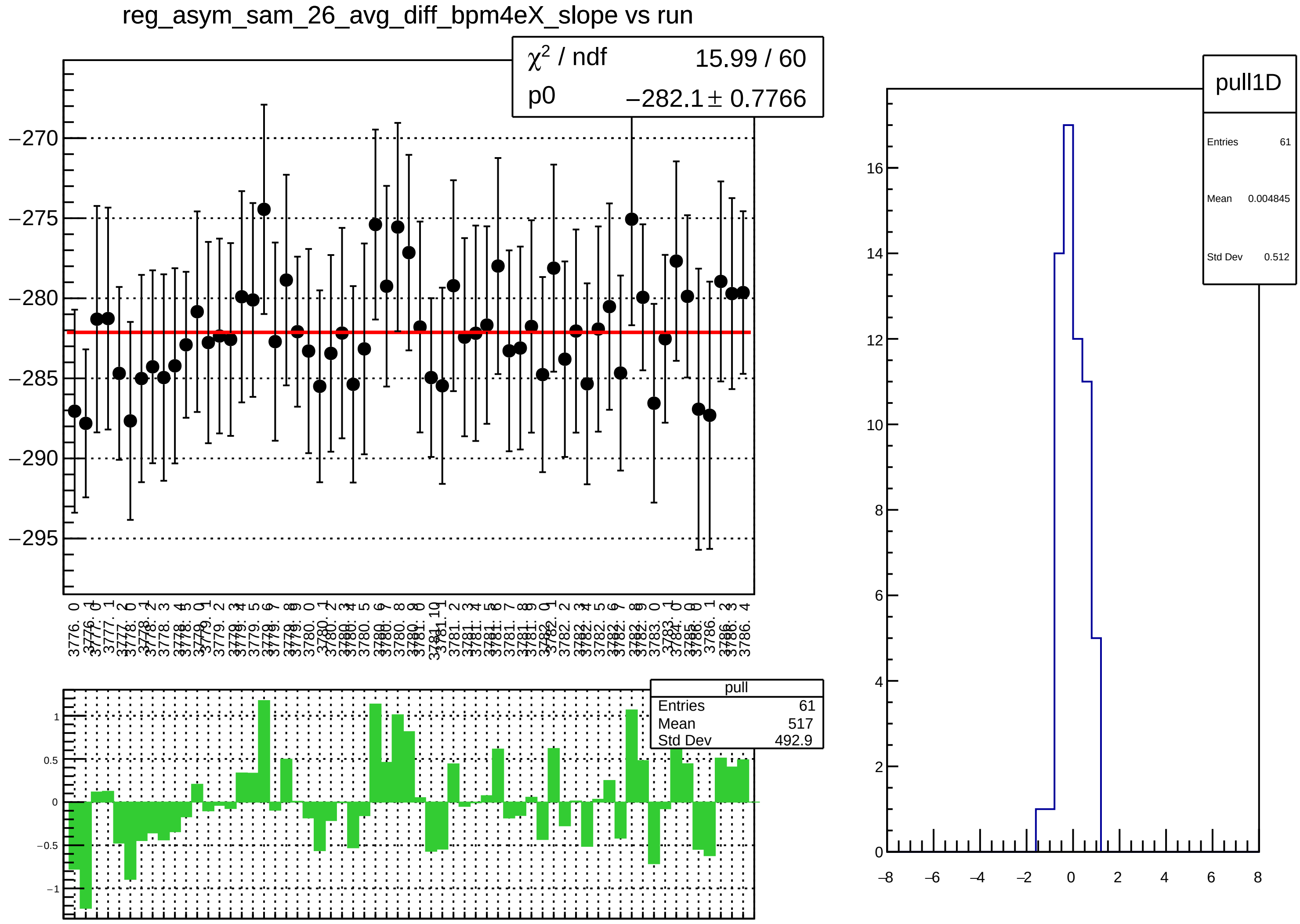


reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ^2 / ndf 0.8296 / 60
p0 10.54 ± 1.891
pull
Entries 61
Mean 145.9
Std Dev 113.7
pull1D
Entries 61
Mean 0.006719
Std Dev 0.1164

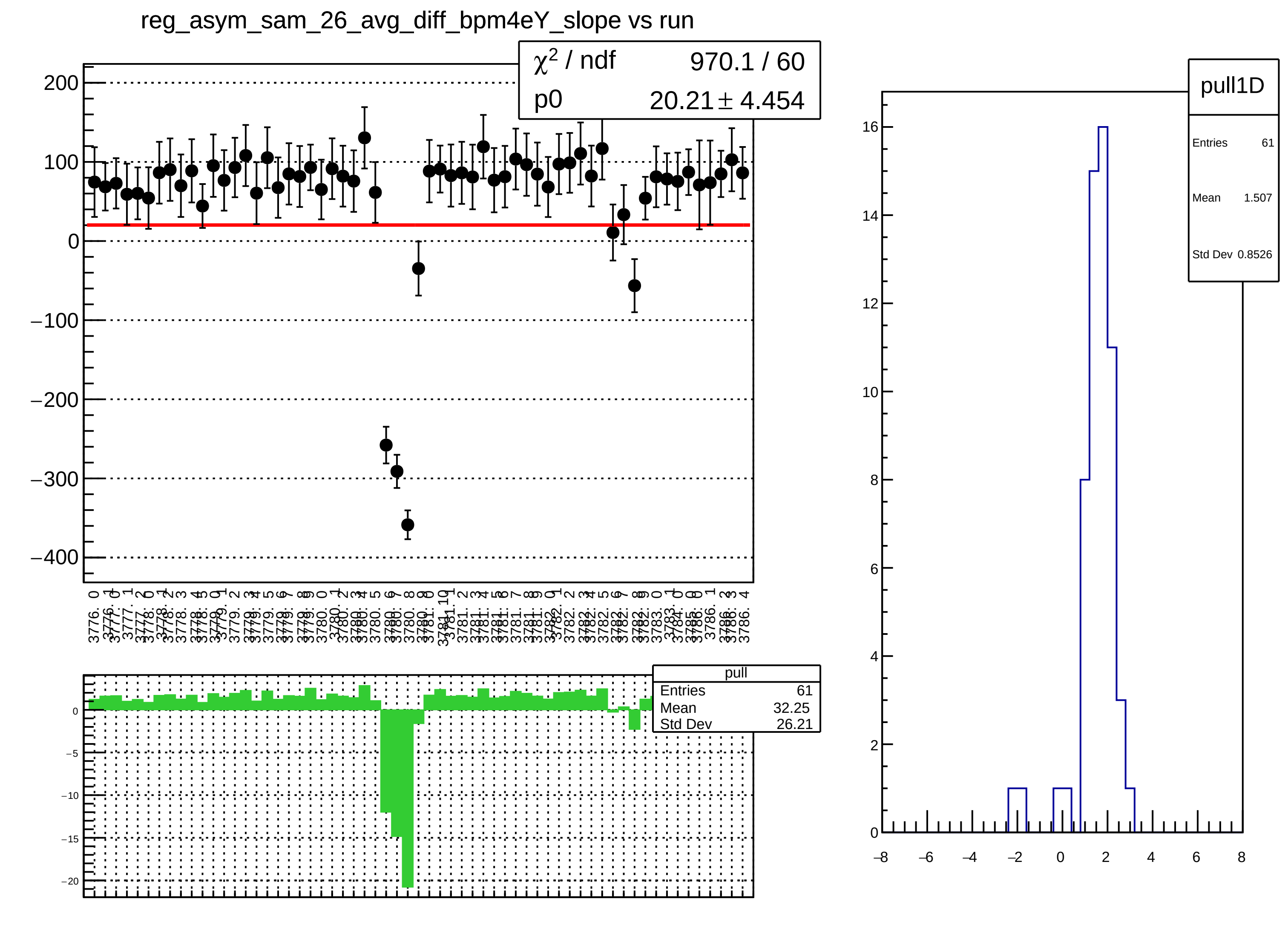

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ2 / ndf 21.07 / 60
p0 51.75 ± 3.971
pull
Entries 61
Mean 666.4
Std Dev 633.6
pull1D
Entries 61
Mean 0.002818
Std Dev 0.5877

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run

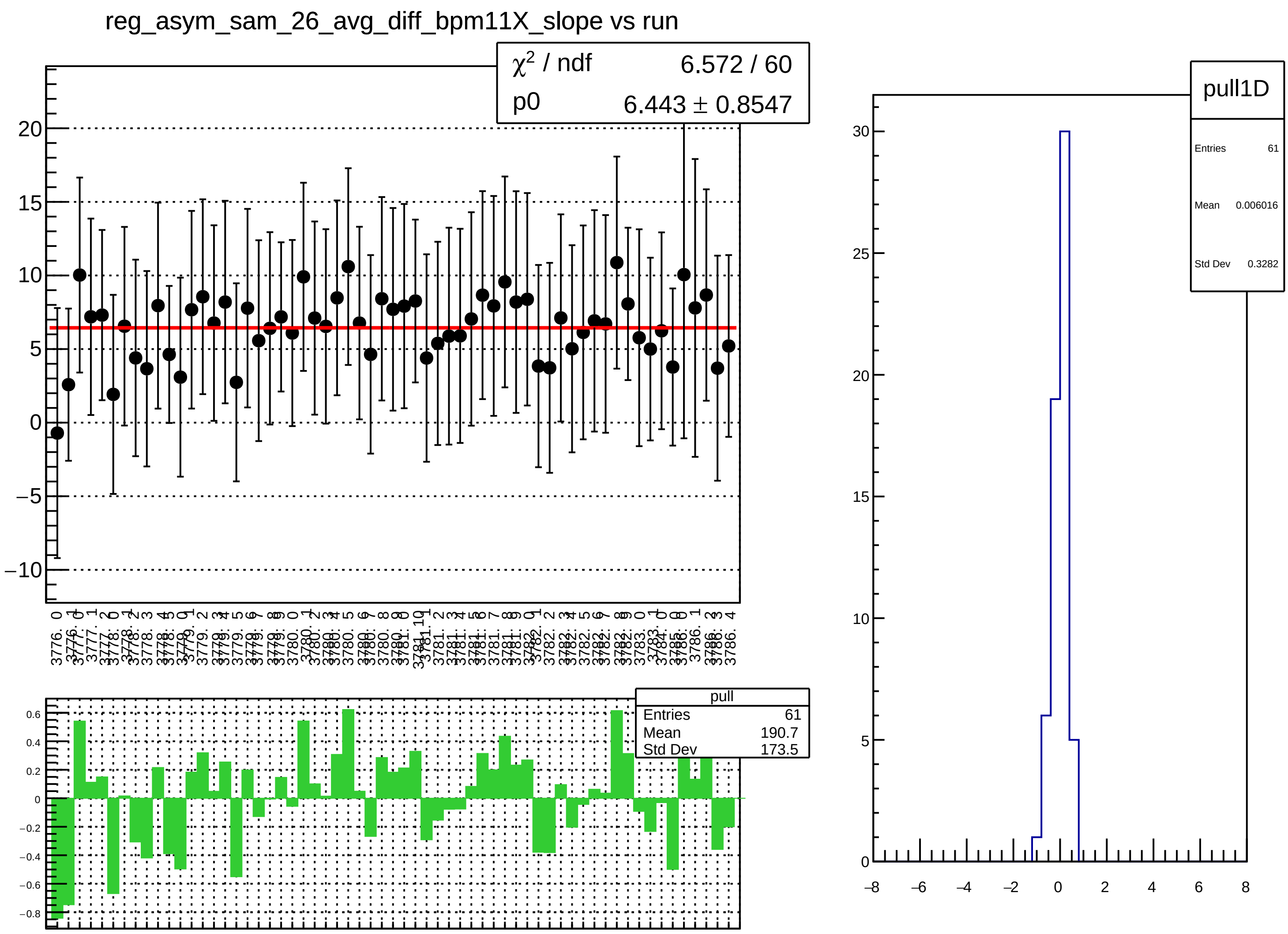




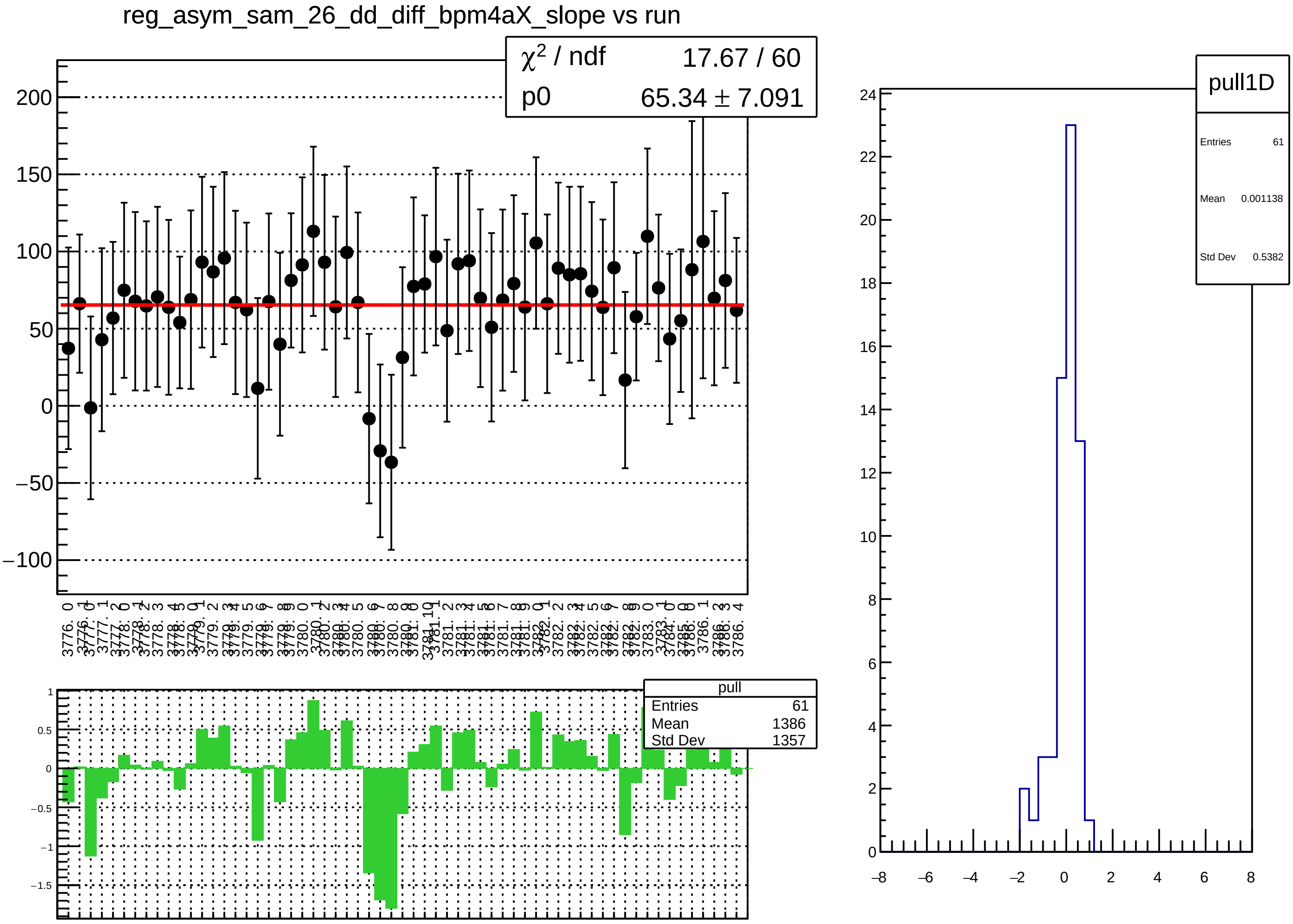
reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ2 / ndf 15.99 / 60
p0 −282.1 ± 0.7766
pull
Entries 61
Mean 517
Std Dev 492.9
pull1D
Entries 61
Mean 0.004845
Std Dev 0.512



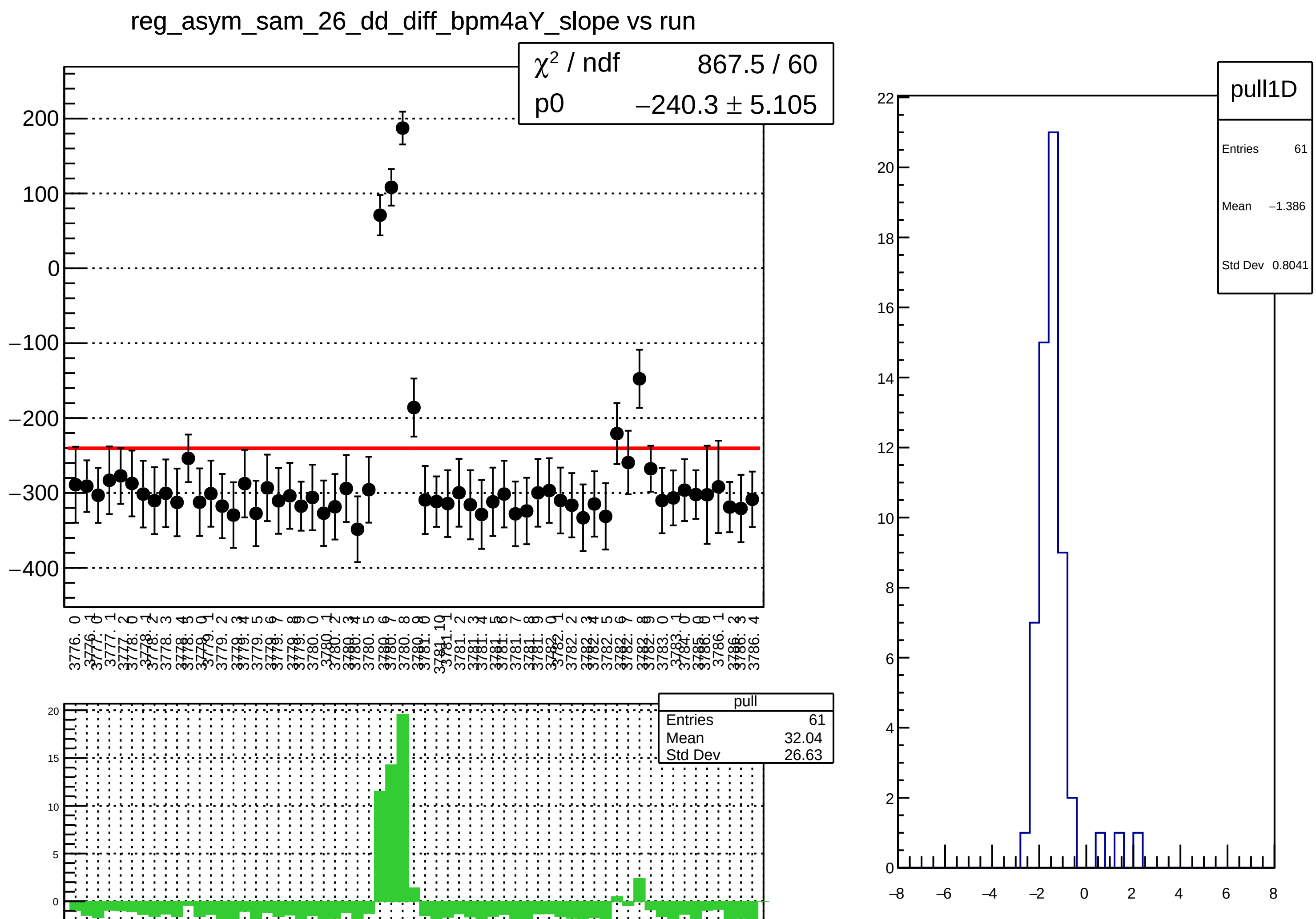
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ2 / ndf 970.1 / 60
p0 20.21 ± 4.454
pull
Entries 61
Mean 32.25
Std Dev 26.21
pull1D
Entries 61
Mean 1.507
Std Dev 0.8526



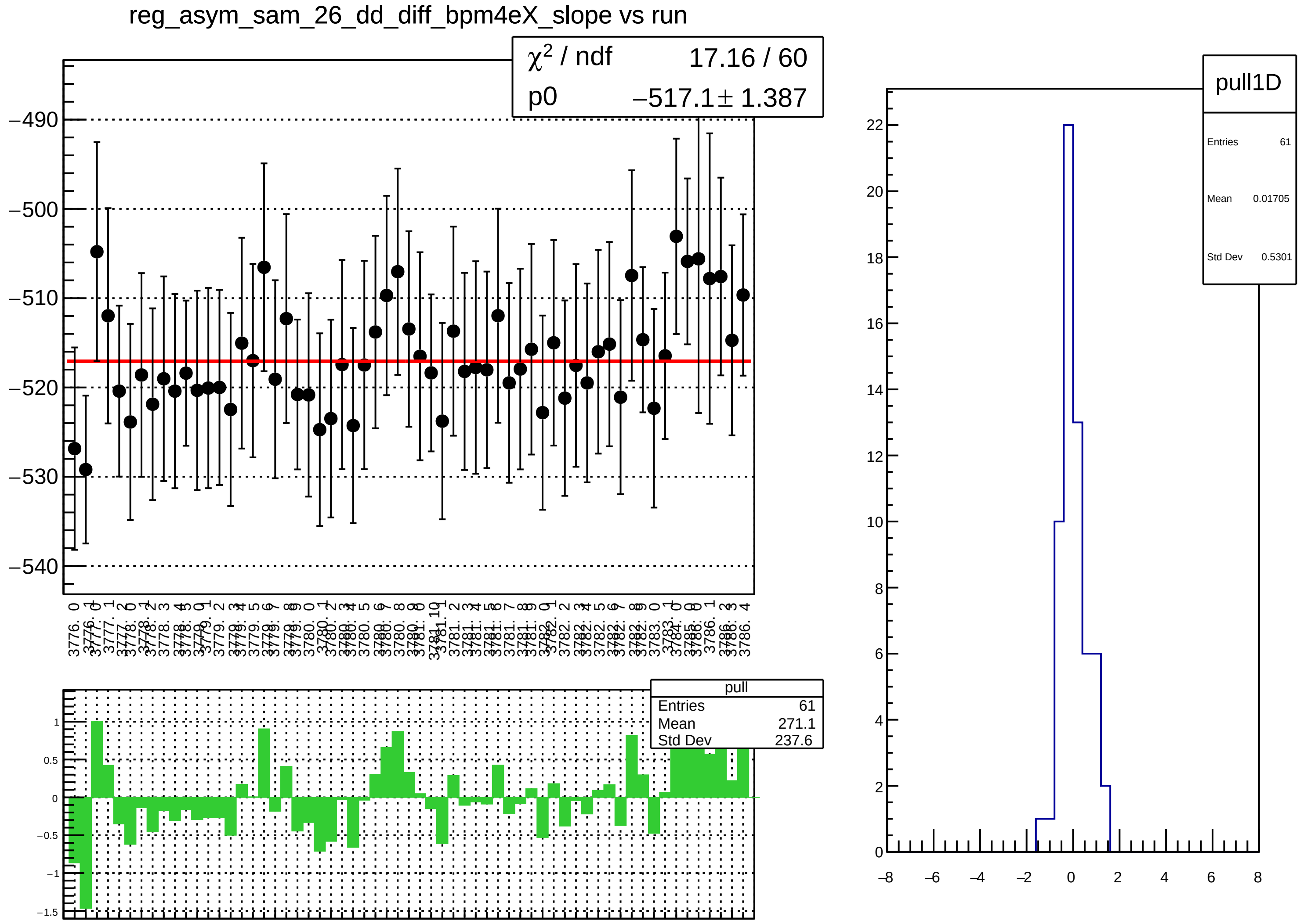
reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ^2 / ndf 6.572 / 60
p0 6.443 ± 0.8547
pull
Entries 61
Mean 190.7
Std Dev 173.5
pull1D
Entries 61
Mean 0.006016
Std Dev 0.3282

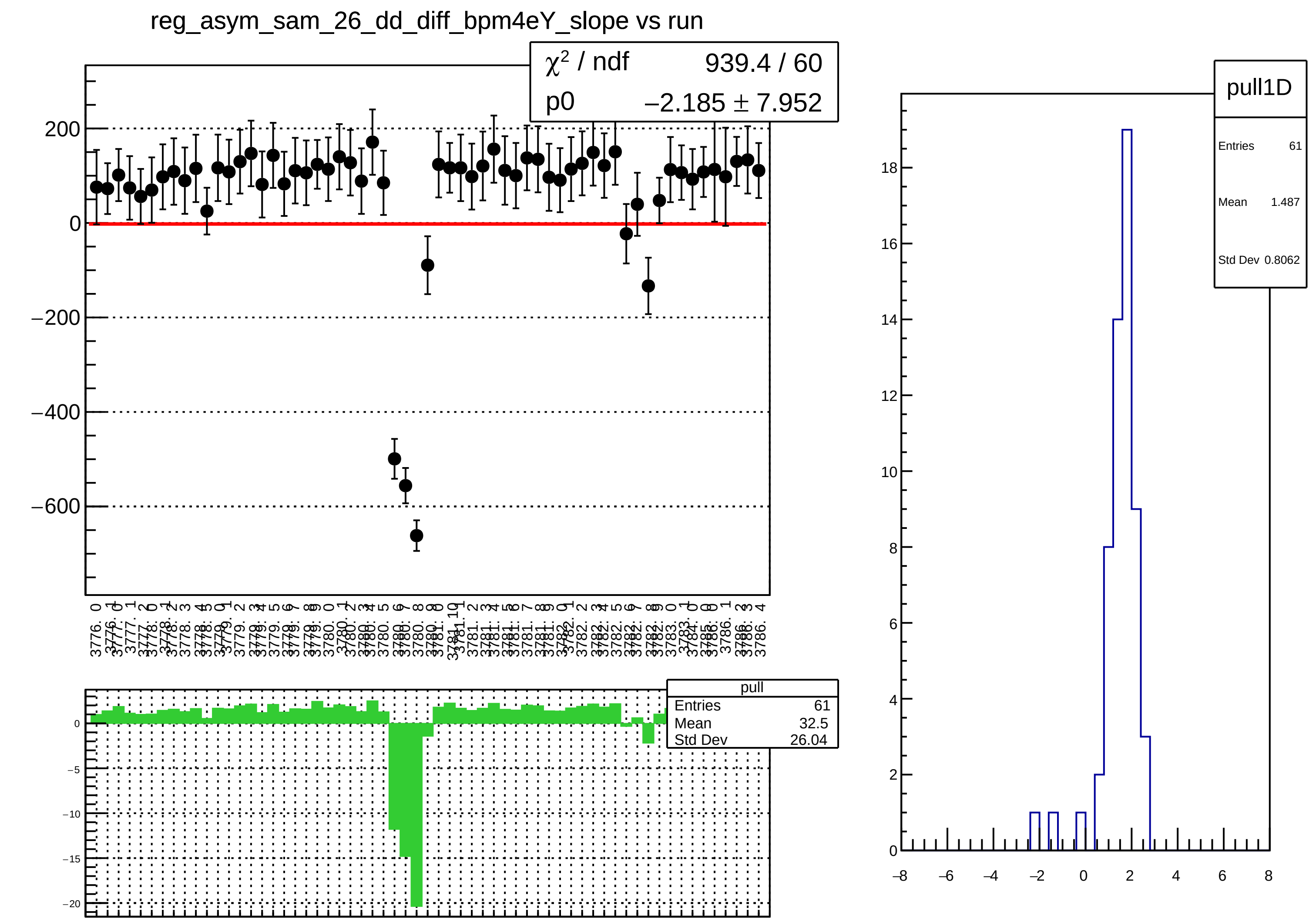


reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 17.67 / 60
p0 65.34 ± 7.091
pull
Entries 61
Mean 1386
Std Dev 1357
pull1D
Entries 61
Mean 0.001138
Std Dev 0.5382

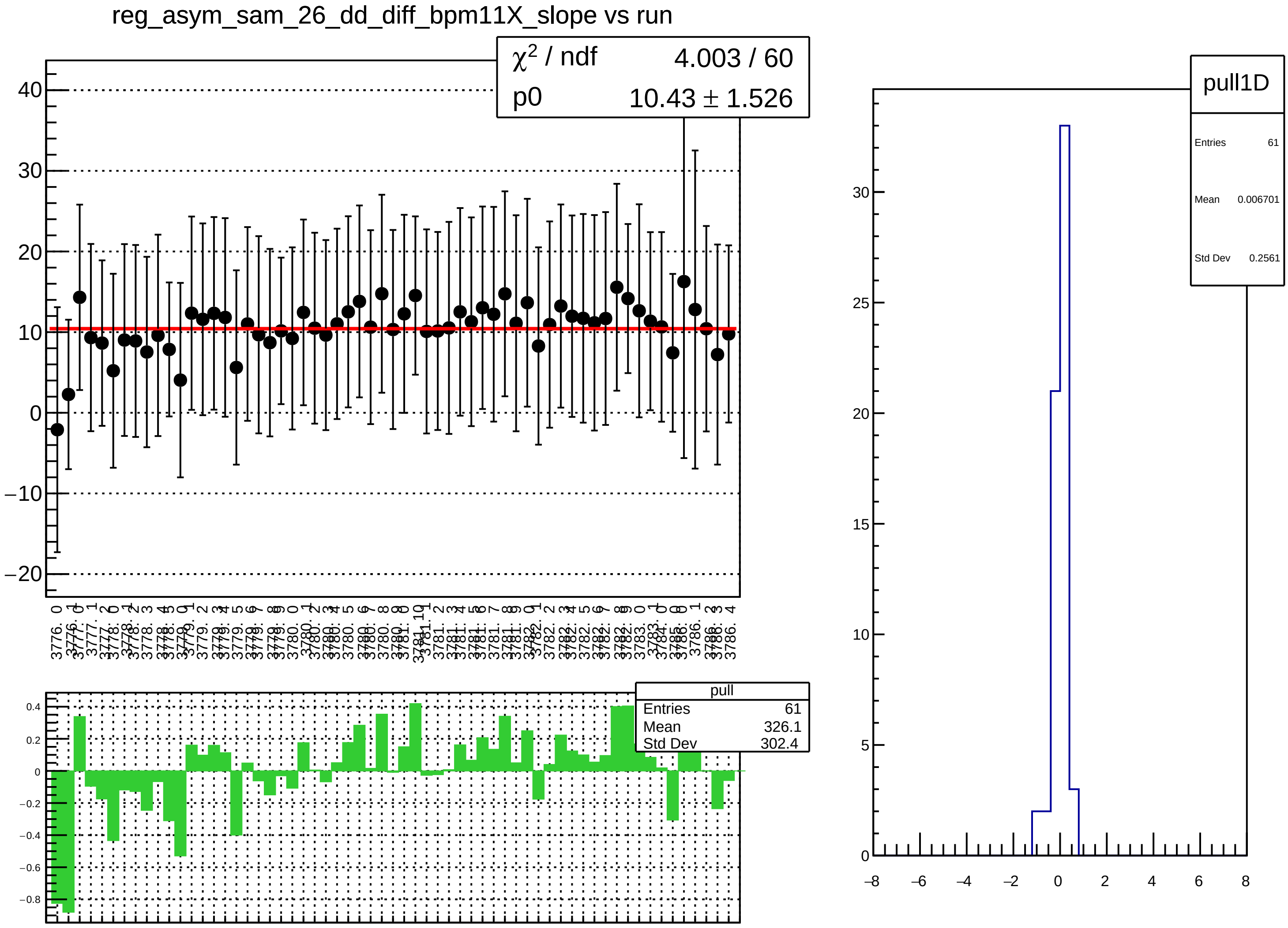


reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ2 / ndf 867.5 / 60
p0 −240.3 ± 5.105
pull
Entries 61
Mean 32.04
Std Dev 26.63
pull1D
Entries 61
Mean −1.386
Std Dev 0.8041

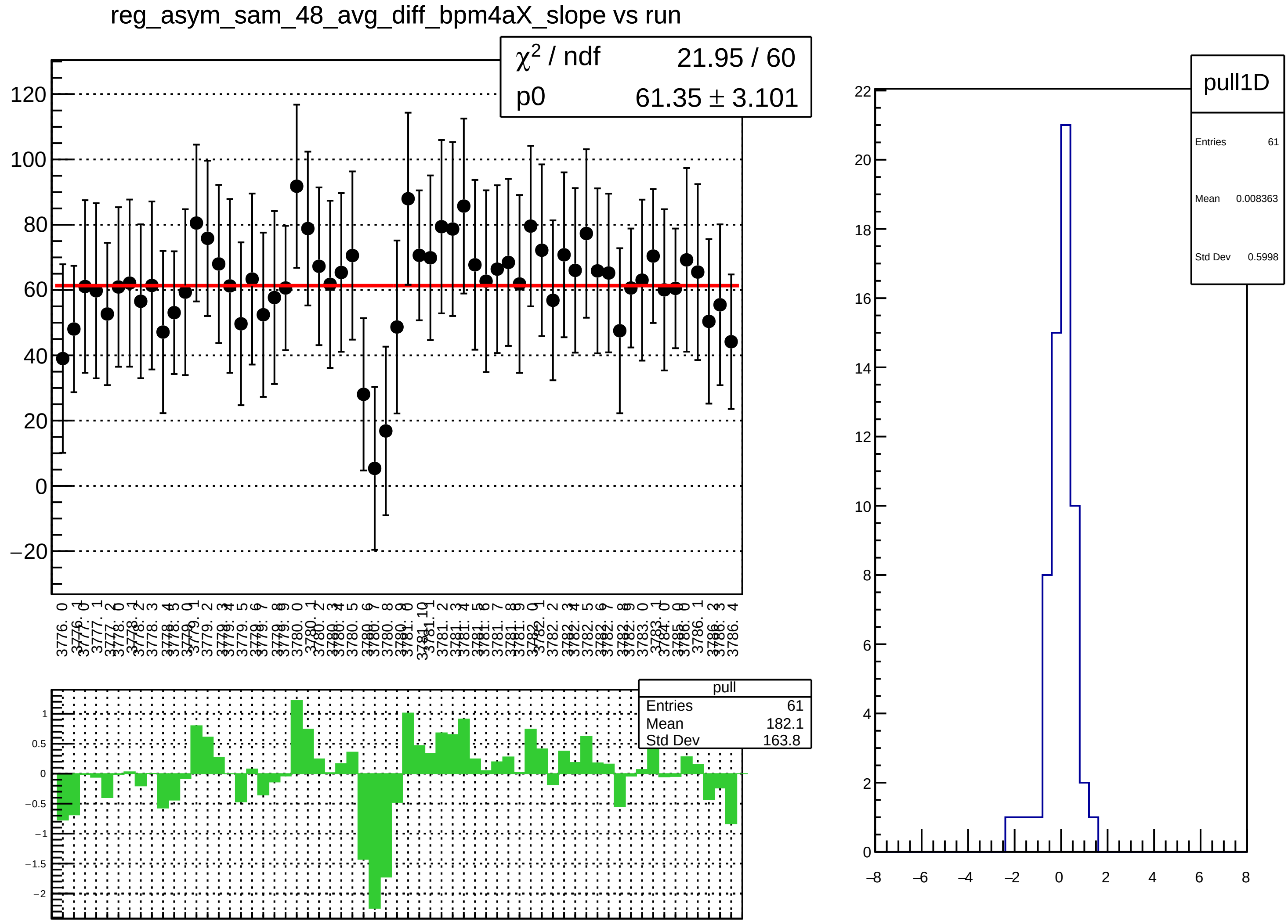

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 17.16 / 60
p0 −517.1 ± 1.387
pull
Entries 61
Mean 271.1
Std Dev 237.6
pull1D
Entries 61
Mean 0.01705
Std Dev 0.5301



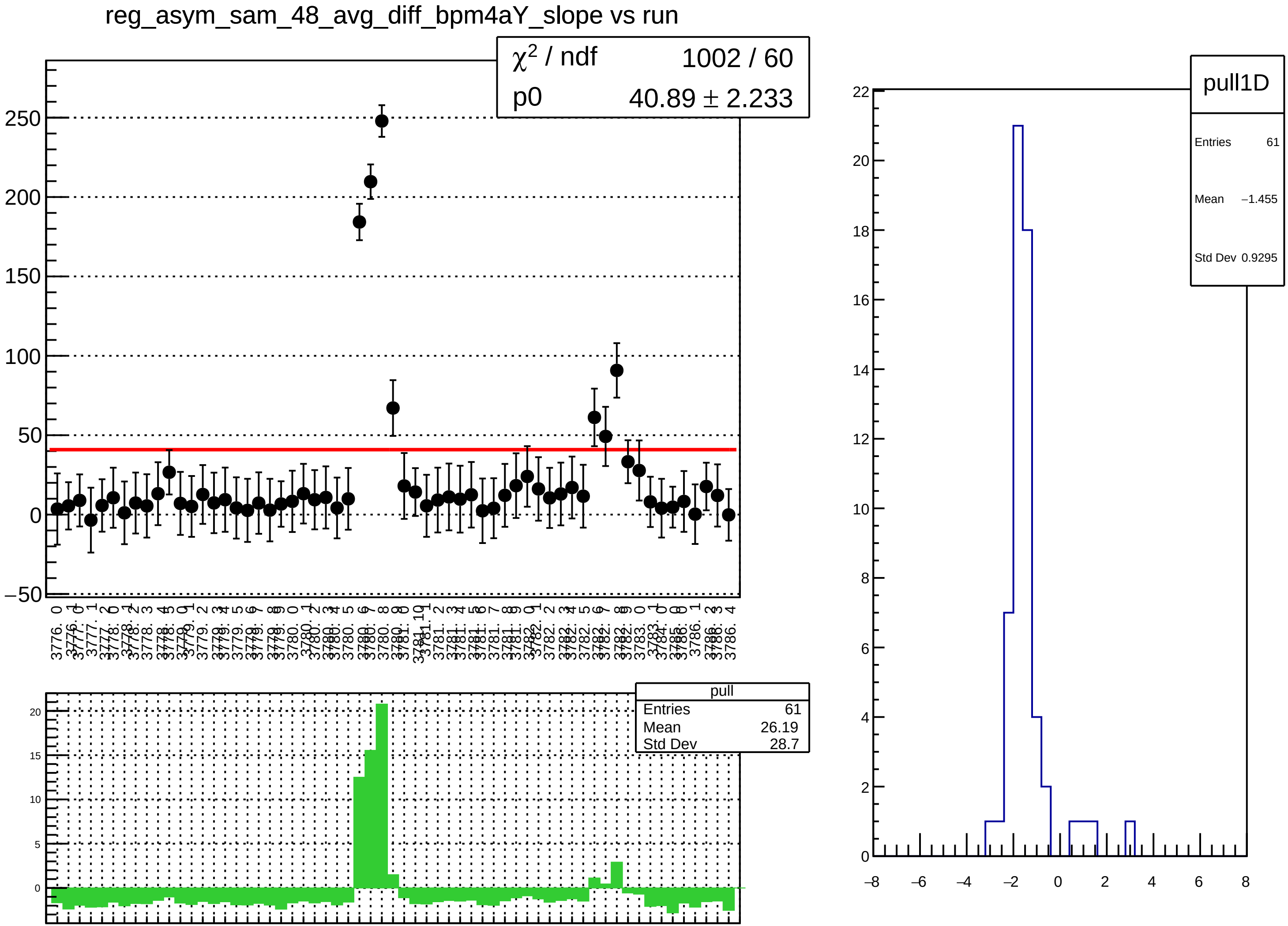
reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ2 / ndf 939.4 / 60
p0 −2.185 ± 7.952
pull
Entries 61
Mean 32.5
Std Dev 26.04
pull1D
Entries 61
Mean 1.487
Std Dev 0.8062

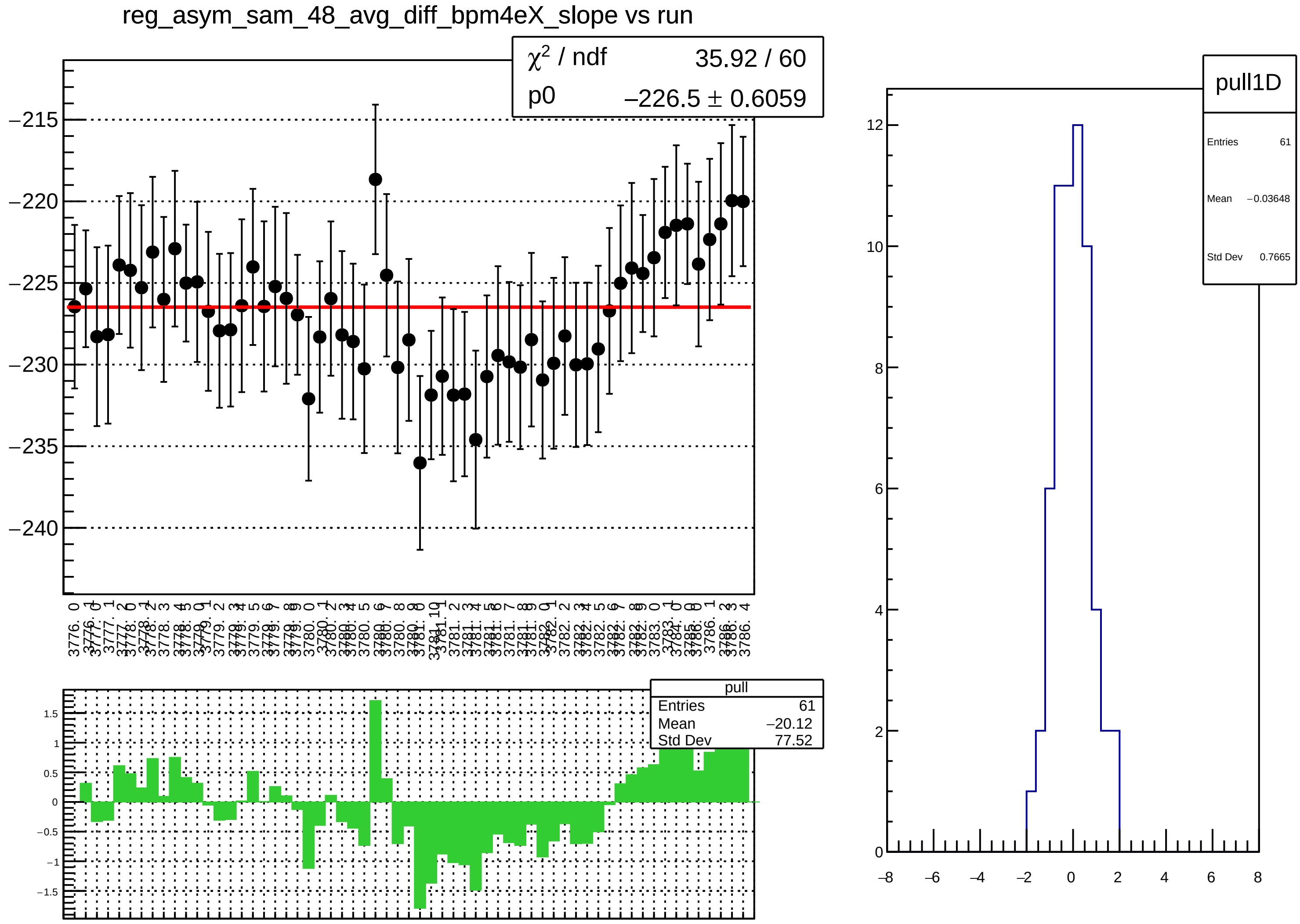


reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ2 / ndf 4.003 / 60
p0 10.43 ± 1.526
pull
Entries 61
Mean 326.1
Std Dev 302.4
pull1D
Entries 61
Mean 0.006701
Std Dev 0.2561

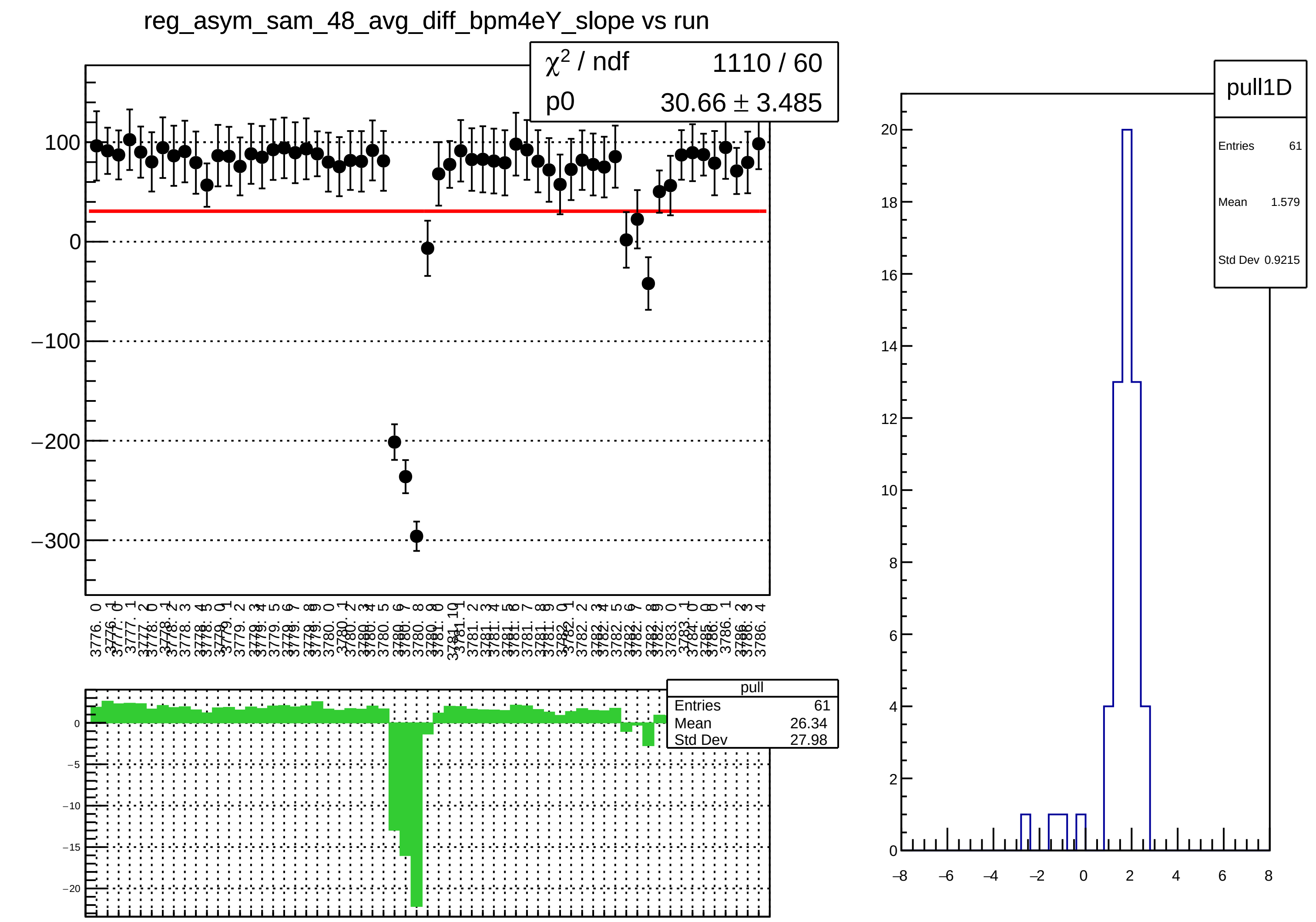


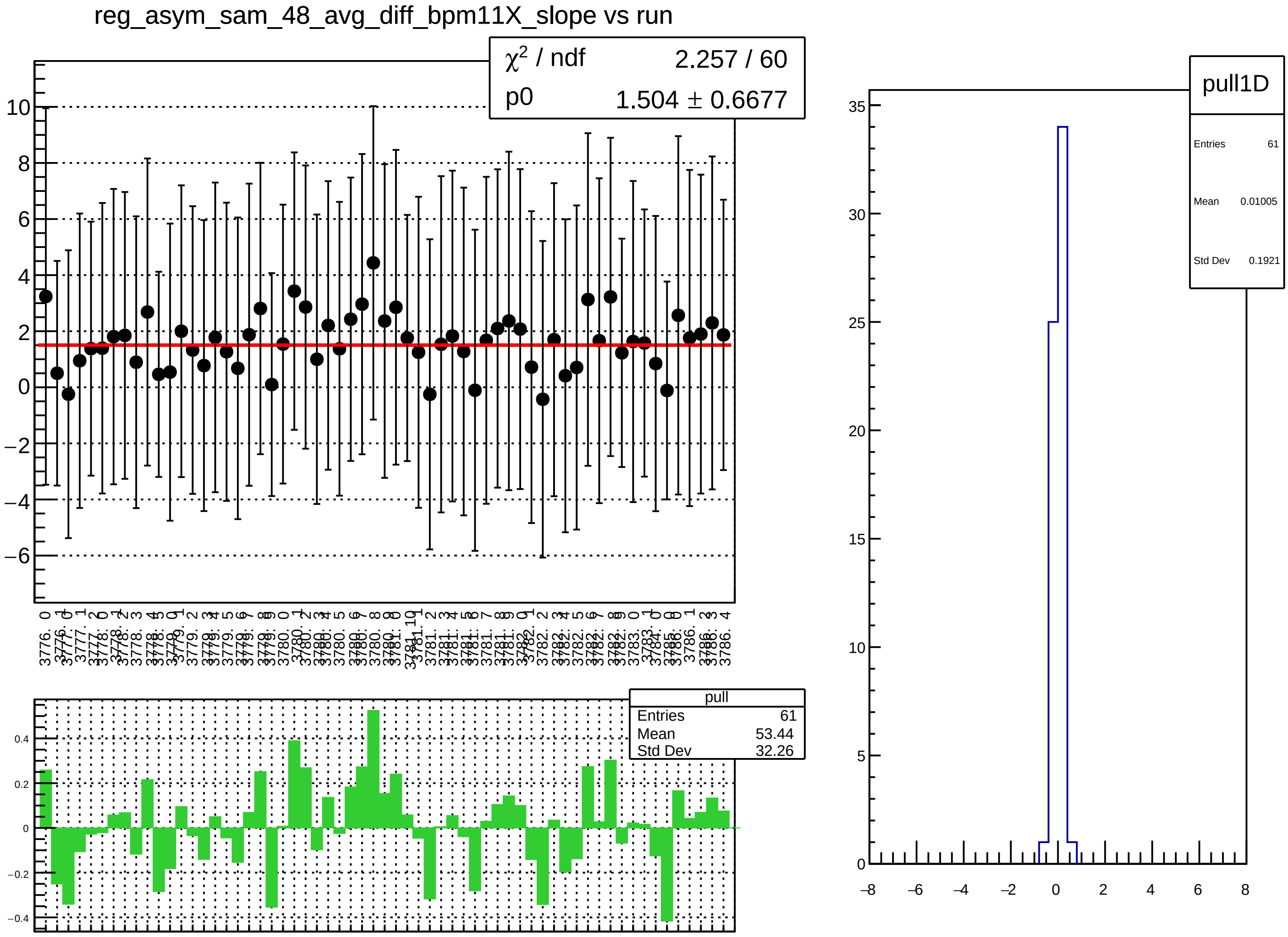
reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ2 / ndf 21.95 / 60
p0 61.35 ± 3.101
pull
Entries 61
Mean 182.1
Std Dev 163.8
pull1D
Entries 61
Mean 0.008363
Std Dev 0.5998

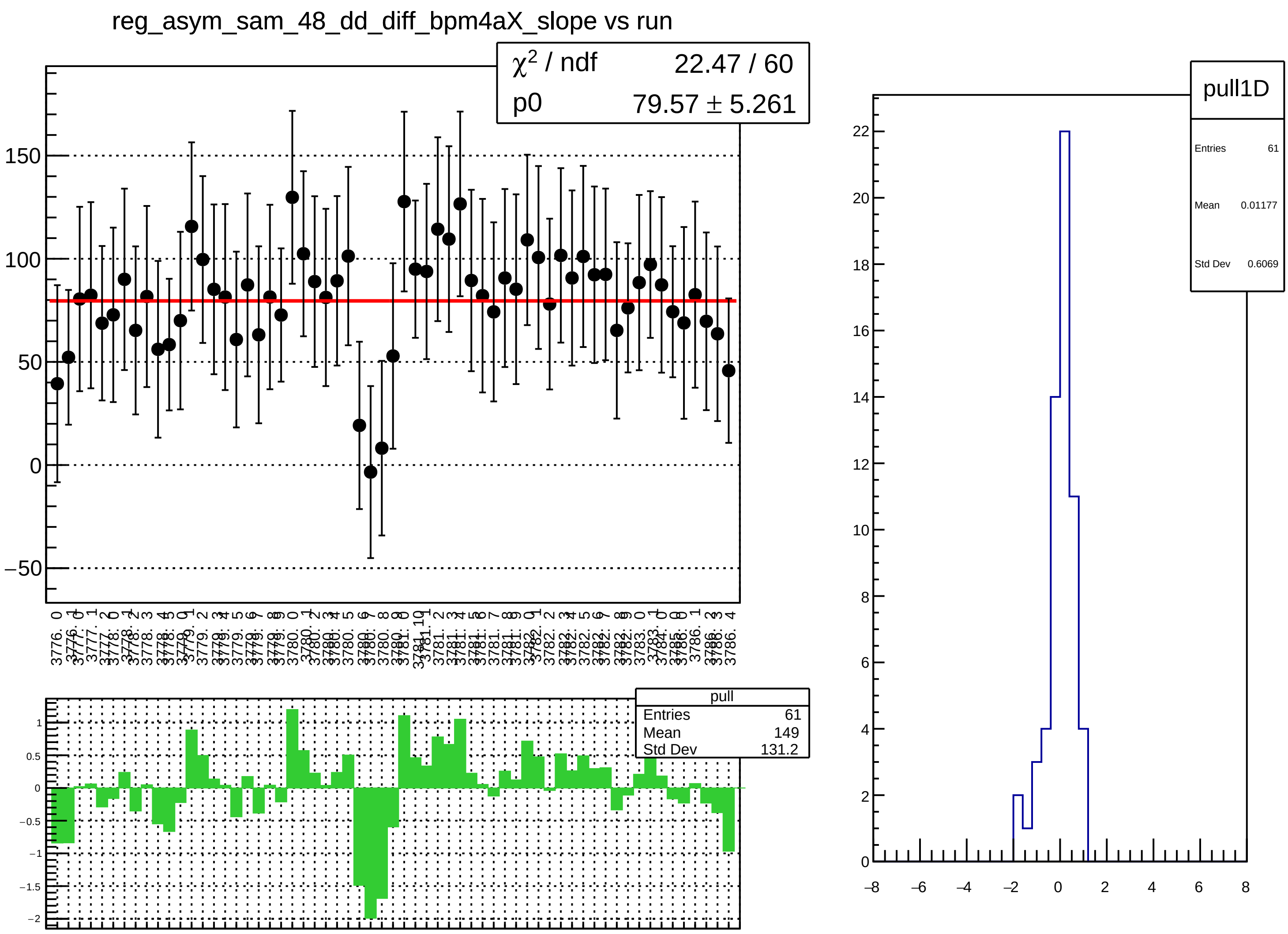

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1002 / 60
p0 40.89 ± 2.233
pull
Entries 61
Mean 26.19
Std Dev 28.7
pull1D
Entries 61
Mean −1.455
Std Dev 0.9295



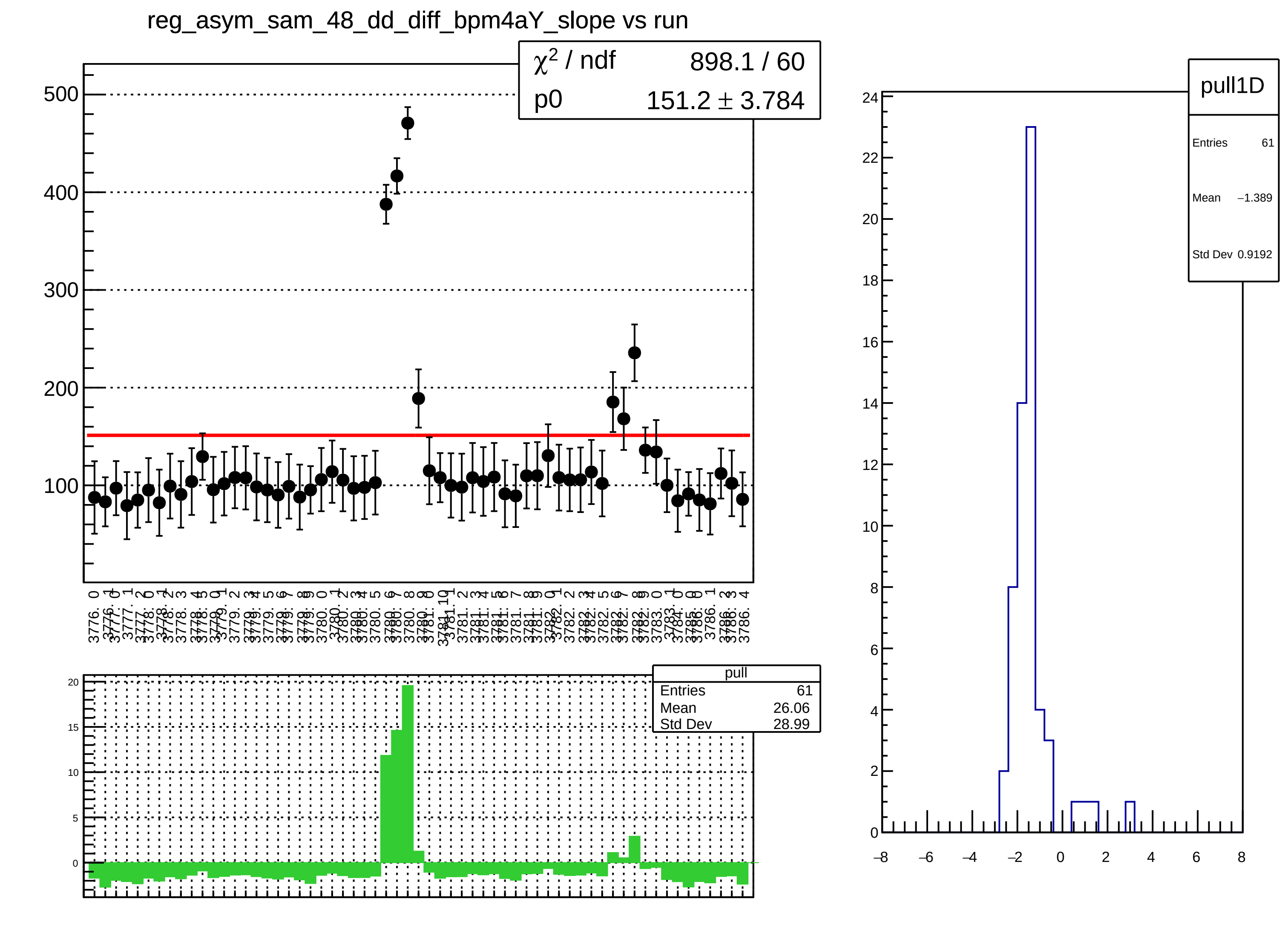
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 35.92 / 60
p0 −226.5 ± 0.6059
−215
−220
−225
−230
−235
−240
pull
Entries 61
Mean −20.12
Std Dev 77.52
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 61
Mean −0.03648
Std Dev 0.7665
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

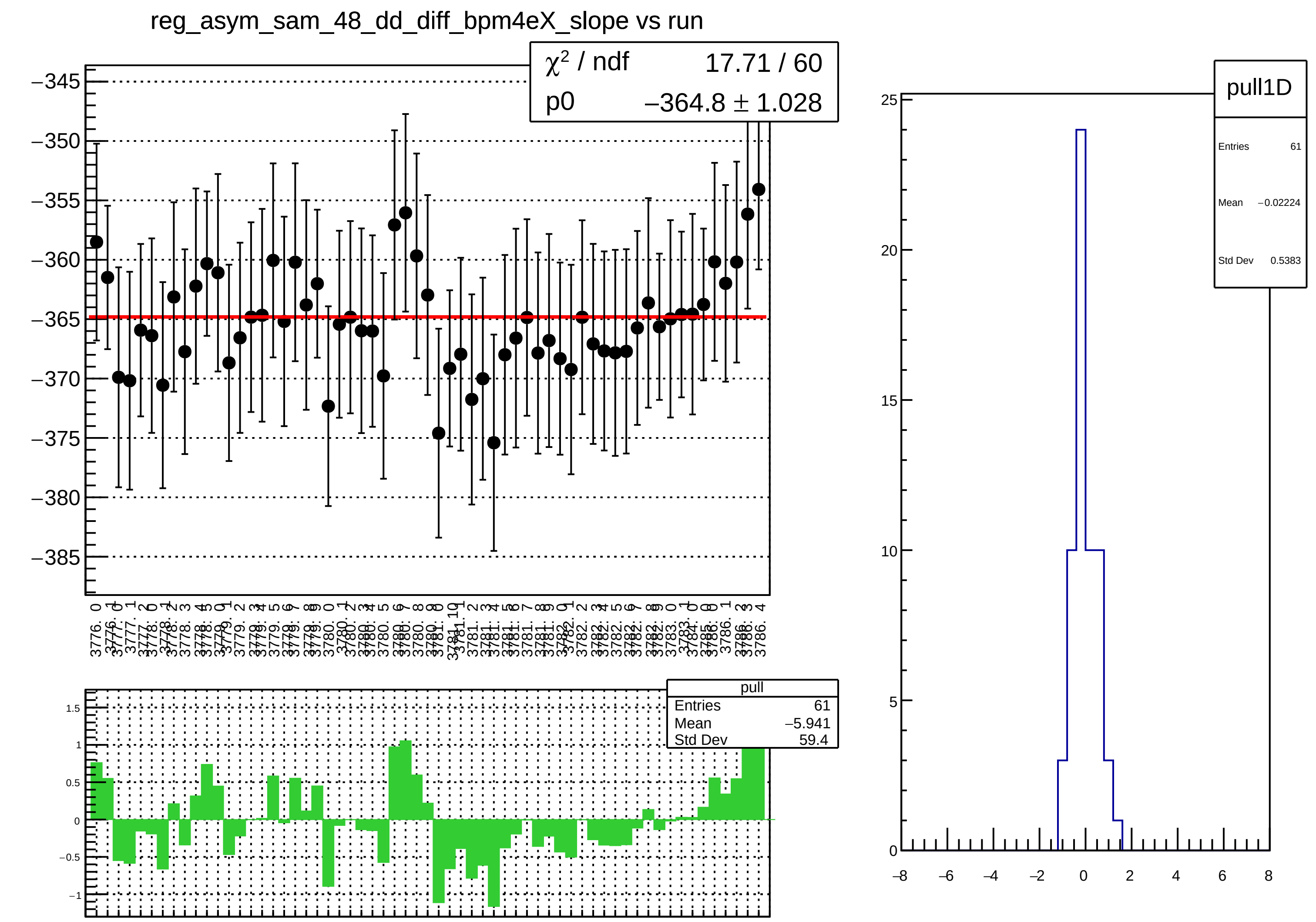

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1110 / 60
p0 30.66 ± 3.485
100
0
−100
−200
−300
pull
Entries 61
Mean 26.34
Std Dev 27.98
0
−5
−10
−15
−20
pull1D
Entries 61
Mean 1.579
Std Dev 0.9215
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

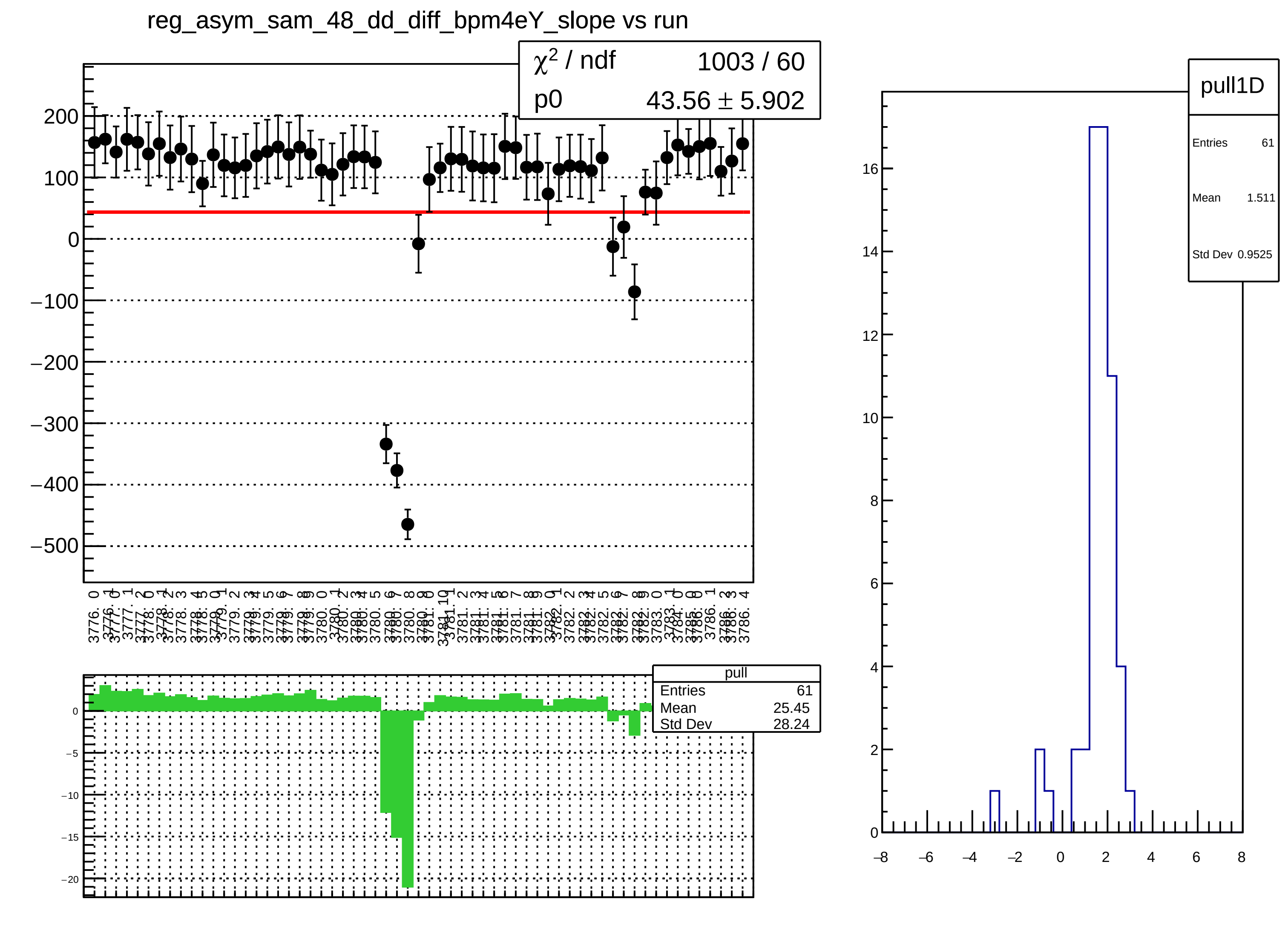

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ2 / ndf 2.257 / 60
p0 1.504 ± 0.6677
pull
Entries 61
Mean 53.44
Std Dev 32.26
pull1D
Entries 61
Mean 0.01005
Std Dev 0.1921



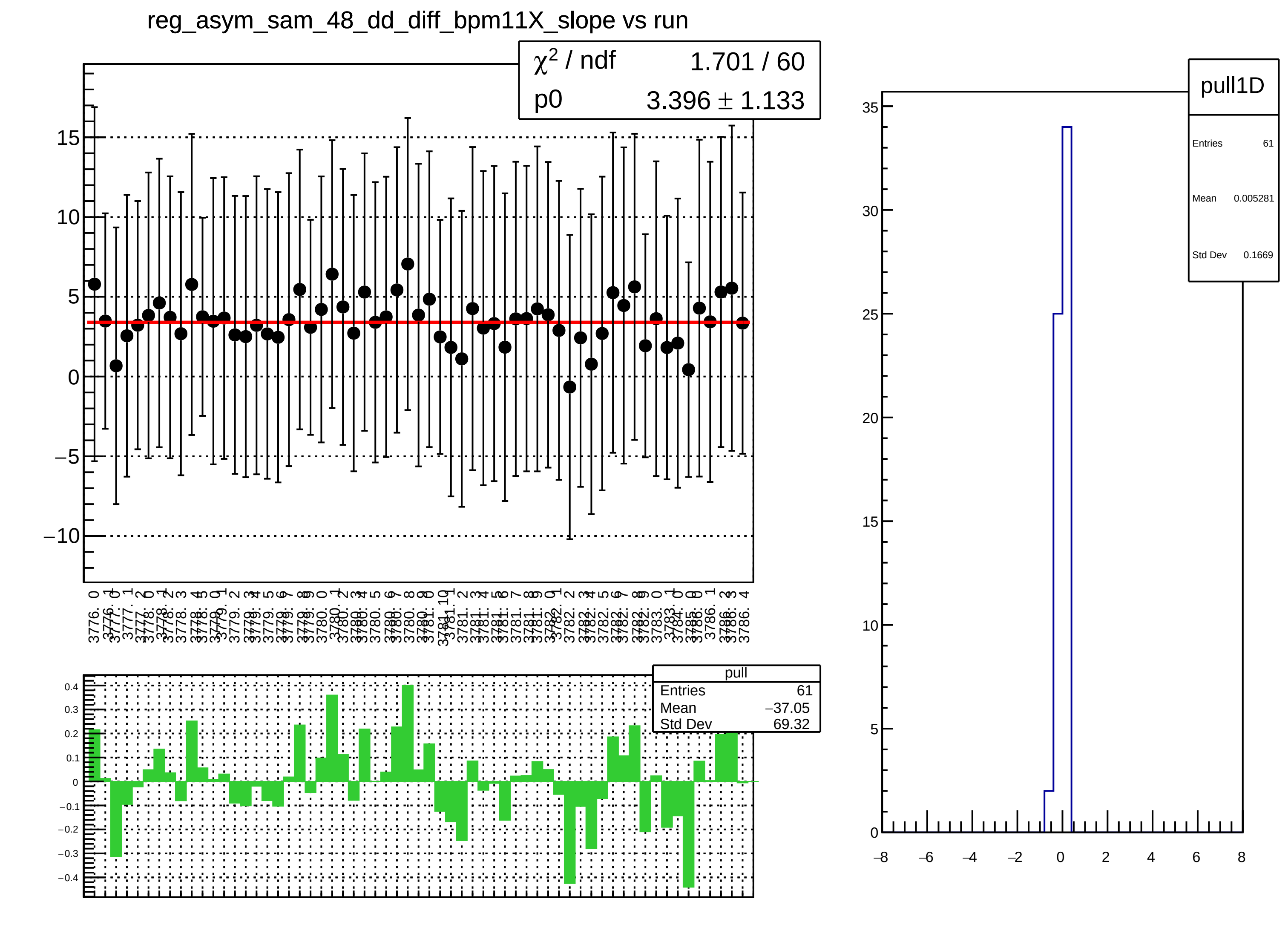
reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 22.47 / 60
p0 79.57 ± 5.261
pull
Entries 61
Mean 149
Std Dev 131.2
pull1D
Entries 61
Mean 0.01177
Std Dev 0.6069


reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 898.1 / 60
p0 151.2 ± 3.784
pull
Entries 61
Mean 26.06
Std Dev 28.99
pull1D
Entries 61
Mean −1.389
Std Dev 0.9192

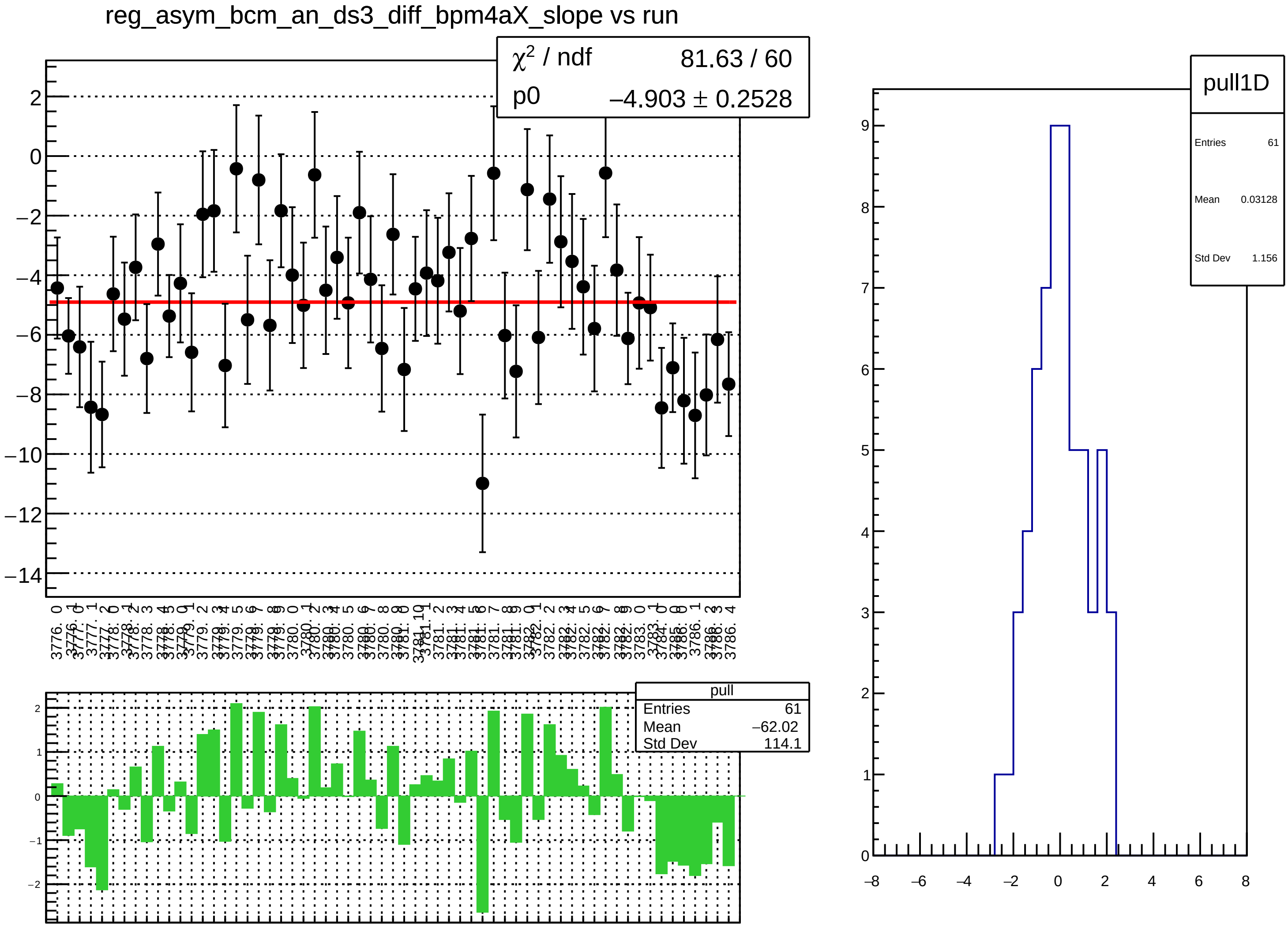

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 17.71 / 60
p0 −364.8 ± 1.028
pull
Entries 61
Mean −5.941
Std Dev 59.4
pull1D
Entries 61
Mean −0.02224
Std Dev 0.5383



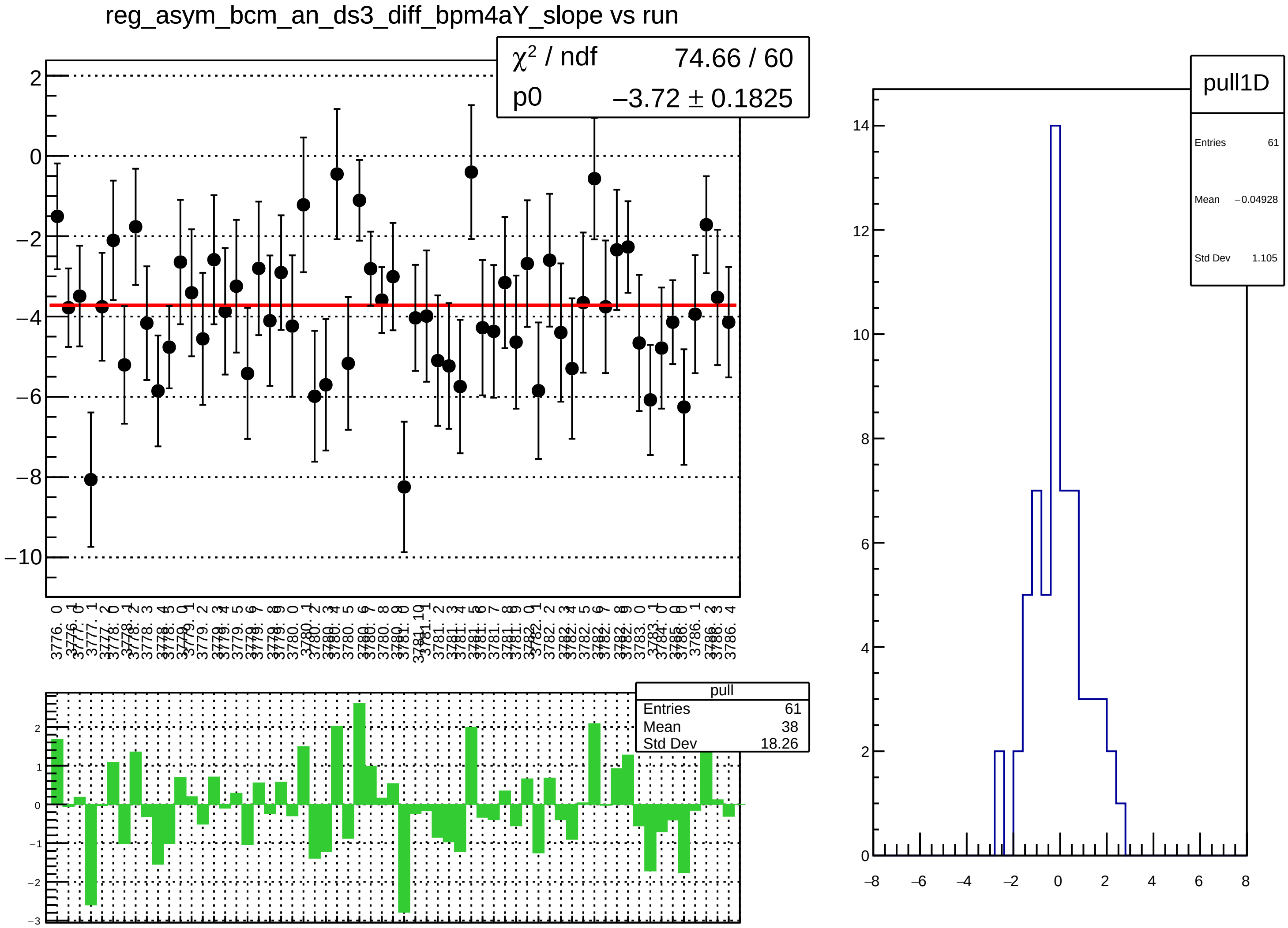
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 1003 / 60
p0 43.56 ± 5.902
pull
Entries 61
Mean 25.45
Std Dev 28.24
pull1D
Entries 61
Mean 1.511
Std Dev 0.9525

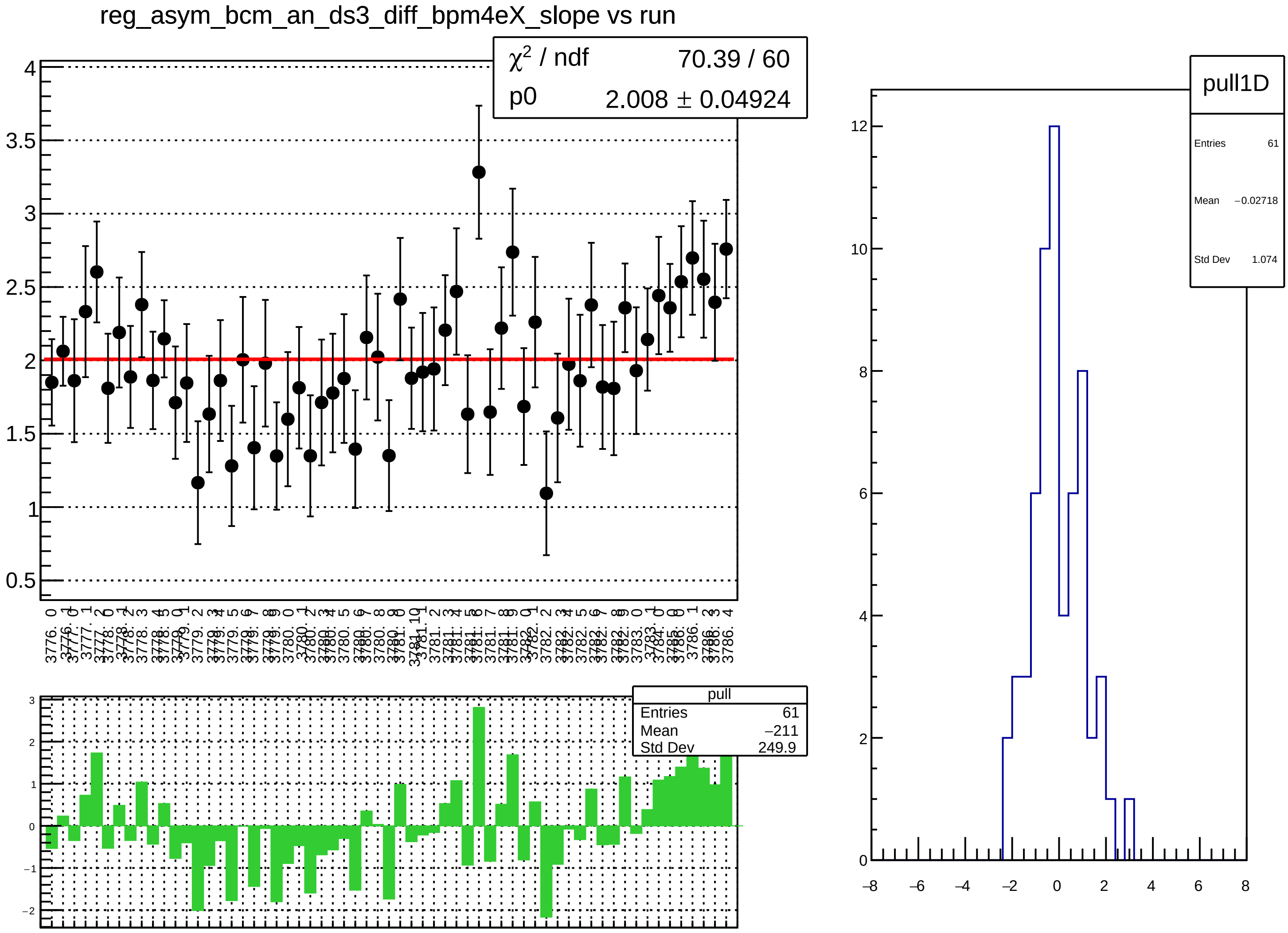


reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ^2 / ndf 1.701 / 60
p0 3.396 ± 1.133
pull
Entries 61
Mean −37.05
Std Dev 69.32
pull1D
Entries 61
Mean 0.005281
Std Dev 0.1669

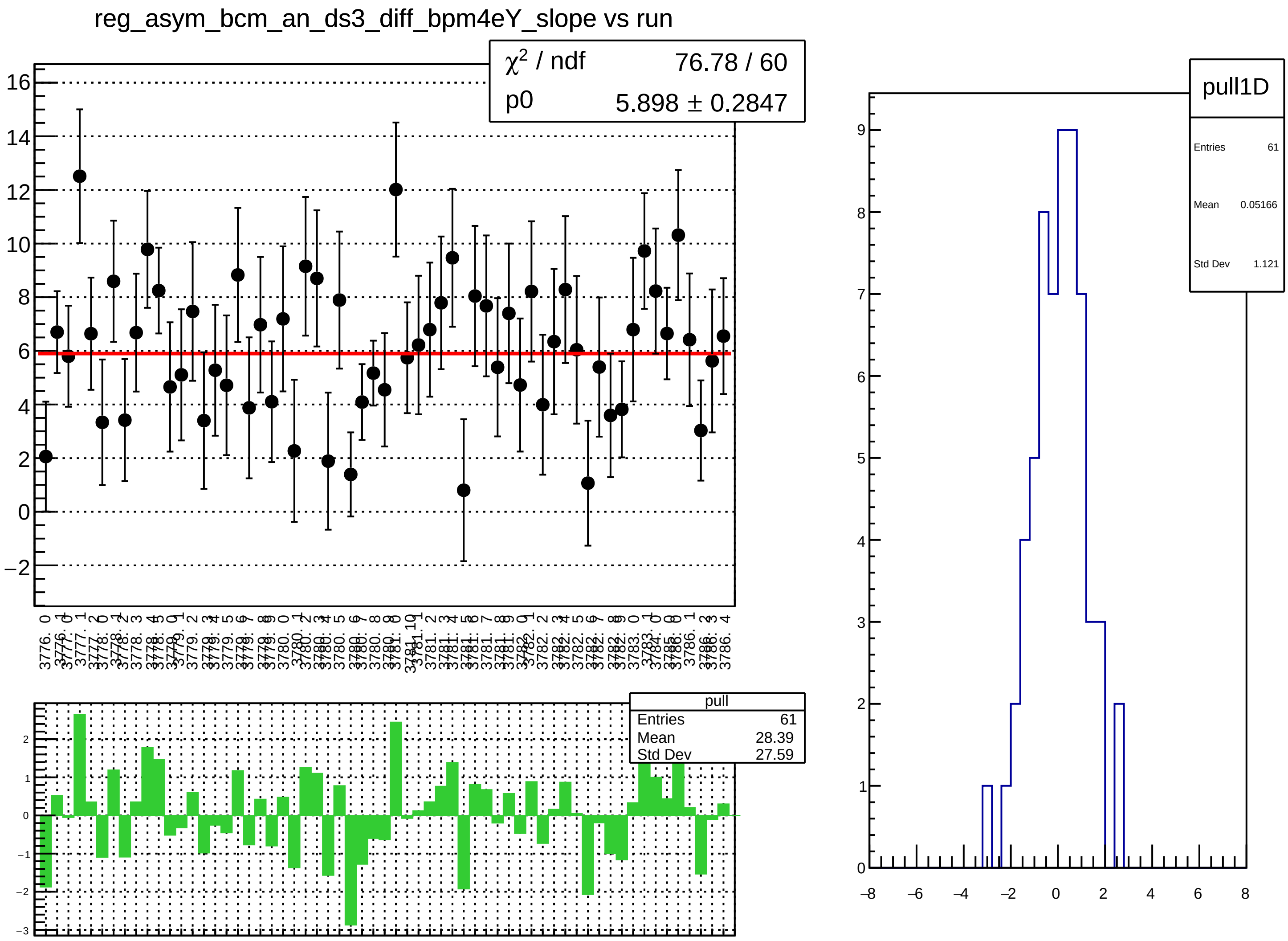


reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ^2 / ndf 81.63 / 60
p0 −4.903 ± 0.2528
pull
Entries 61
Mean −62.02
Std Dev 114.1
pull1D
Entries 61
Mean 0.03128
Std Dev 1.156

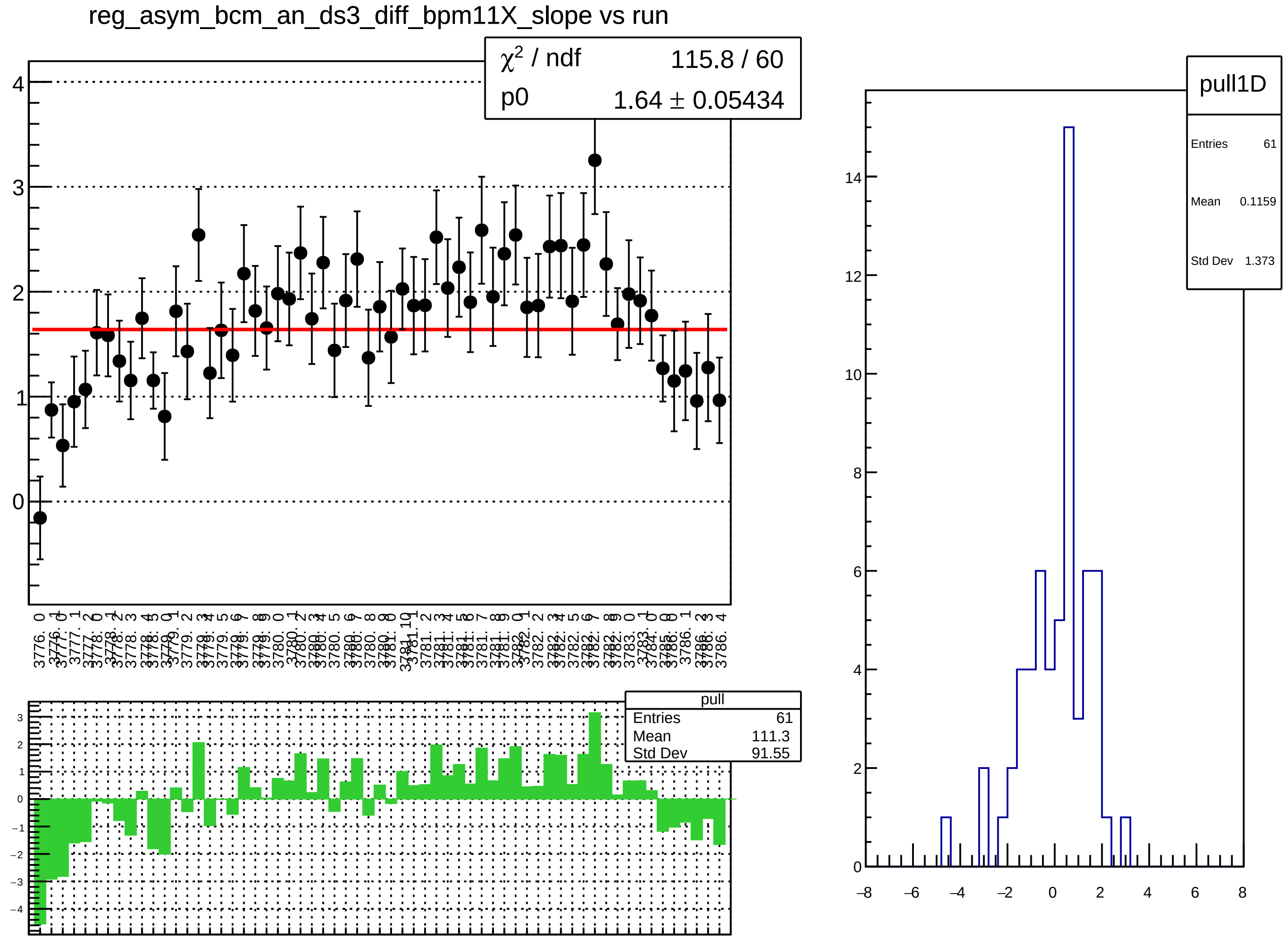

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 74.66 / 60
p0 −3.72 ± 0.1825
pull
Entries 61
Mean 38
Std Dev 18.26
pull1D
Entries 61
Mean −0.04928
Std Dev 1.105

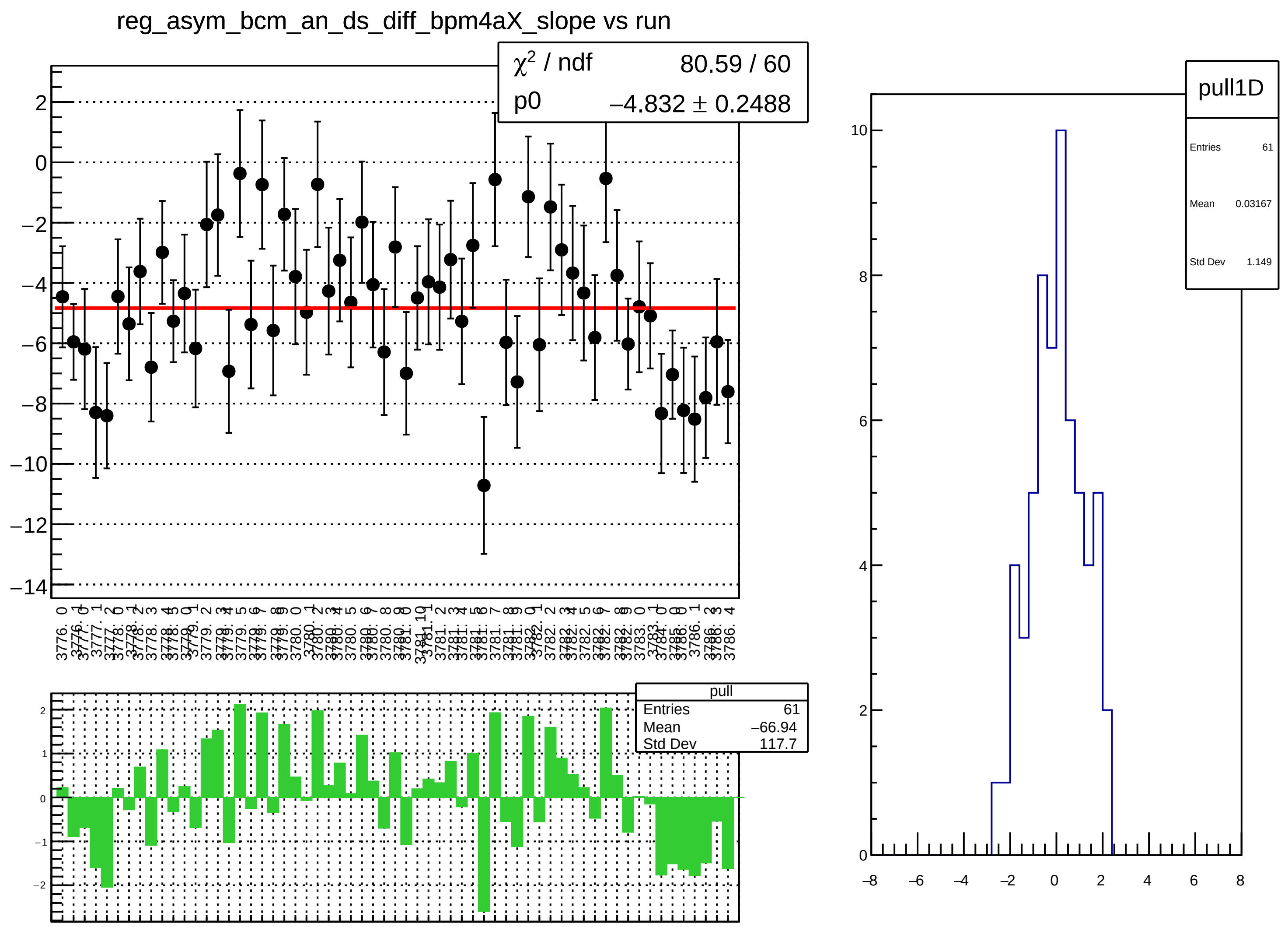


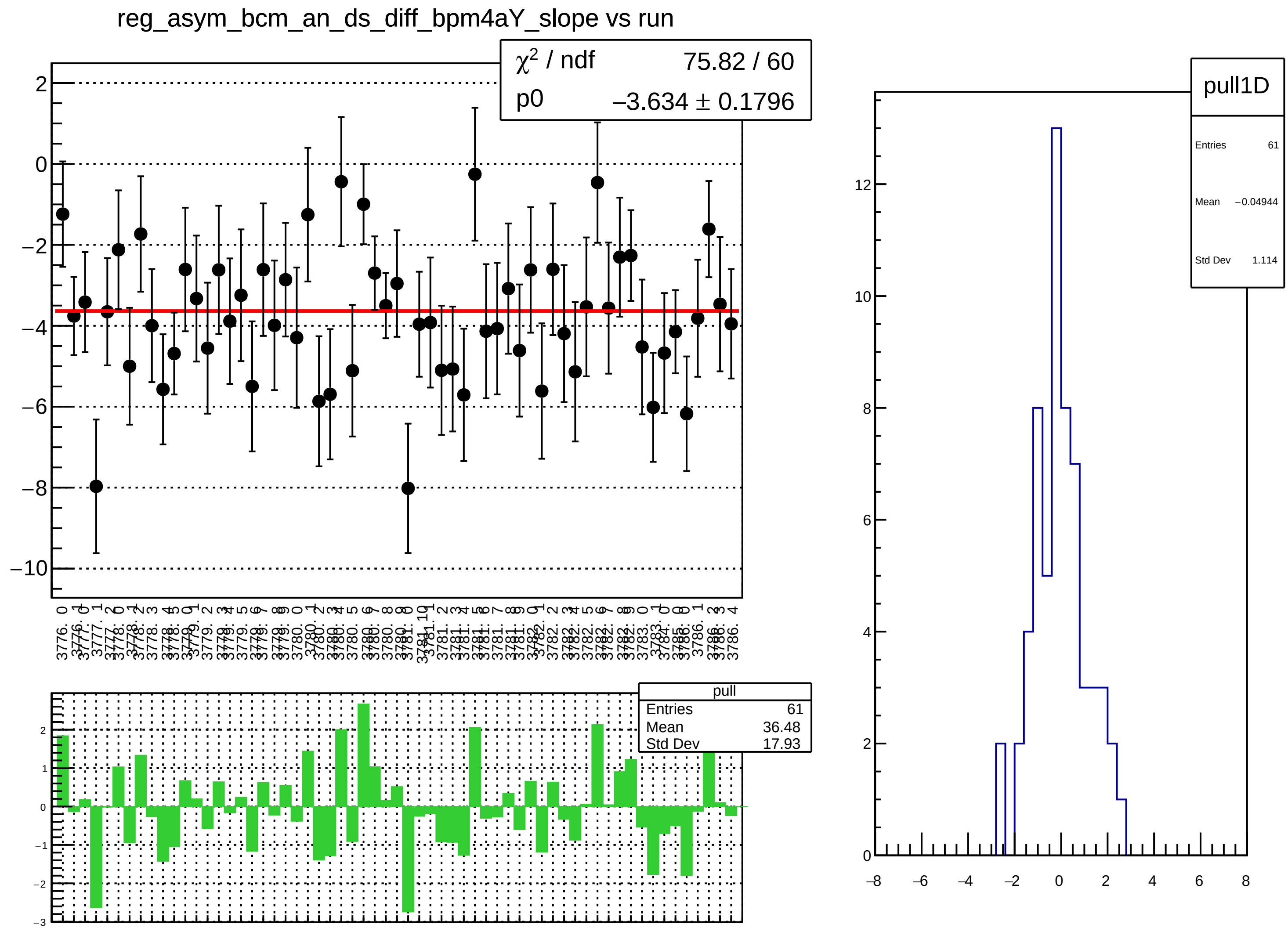
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ2 / ndf 70.39 / 60
p0 2.008 ± 0.04924
pull
Entries 61
Mean −211
Std Dev 249.9
pull1D
Entries 61
Mean −0.02718
Std Dev 1.074



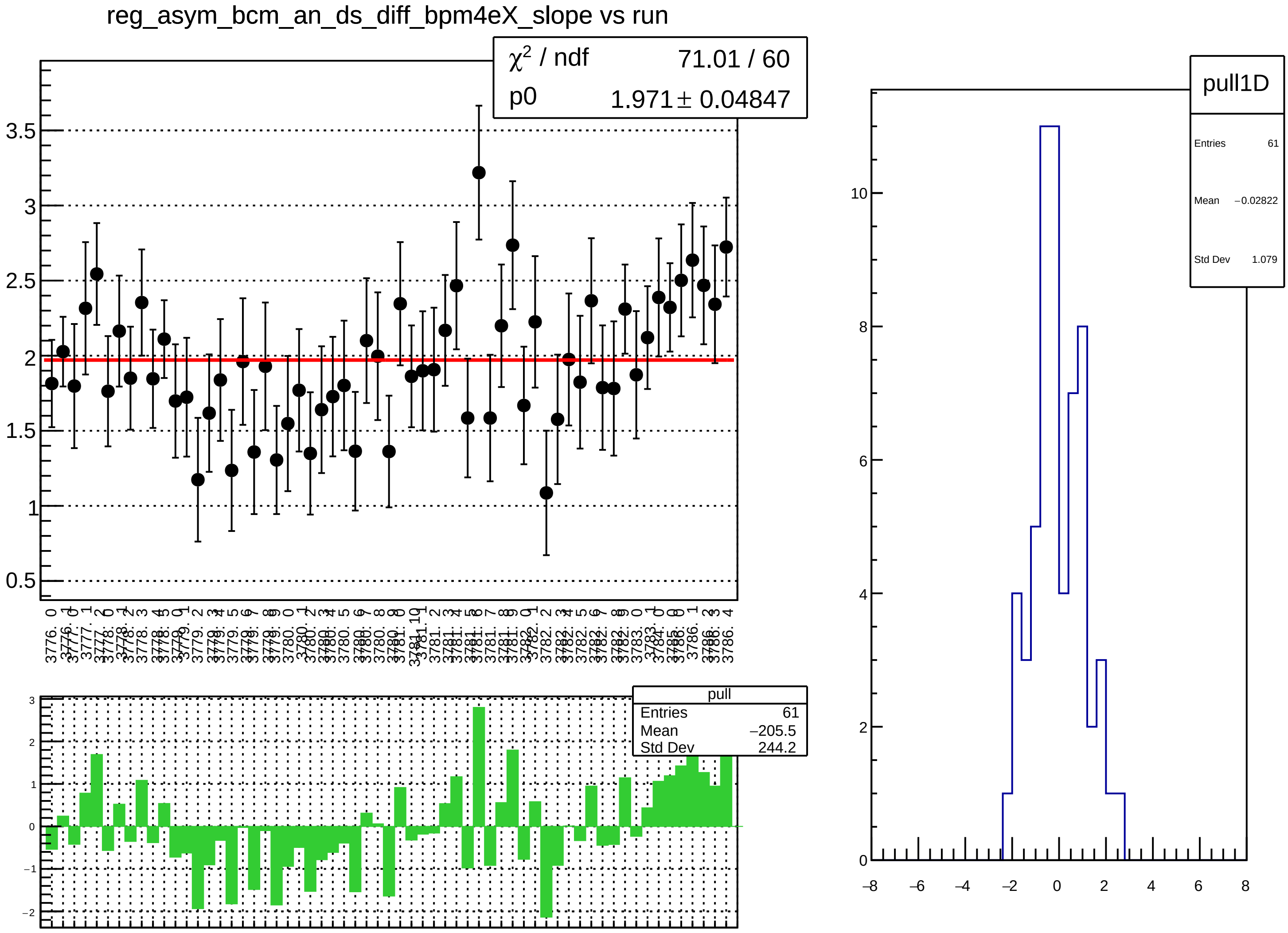
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 76.78 / 60
p0 5.898 ± 0.2847
pull
Entries 61
Mean 28.39
Std Dev 27.59
pull1D
Entries 61
Mean 0.05166
Std Dev 1.121


reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ2 / ndf 115.8 / 60
p0 1.64 ± 0.05434
pull
Entries 61
Mean 111.3
Std Dev 91.55
pull1D
Entries 61
Mean 0.1159
Std Dev 1.373

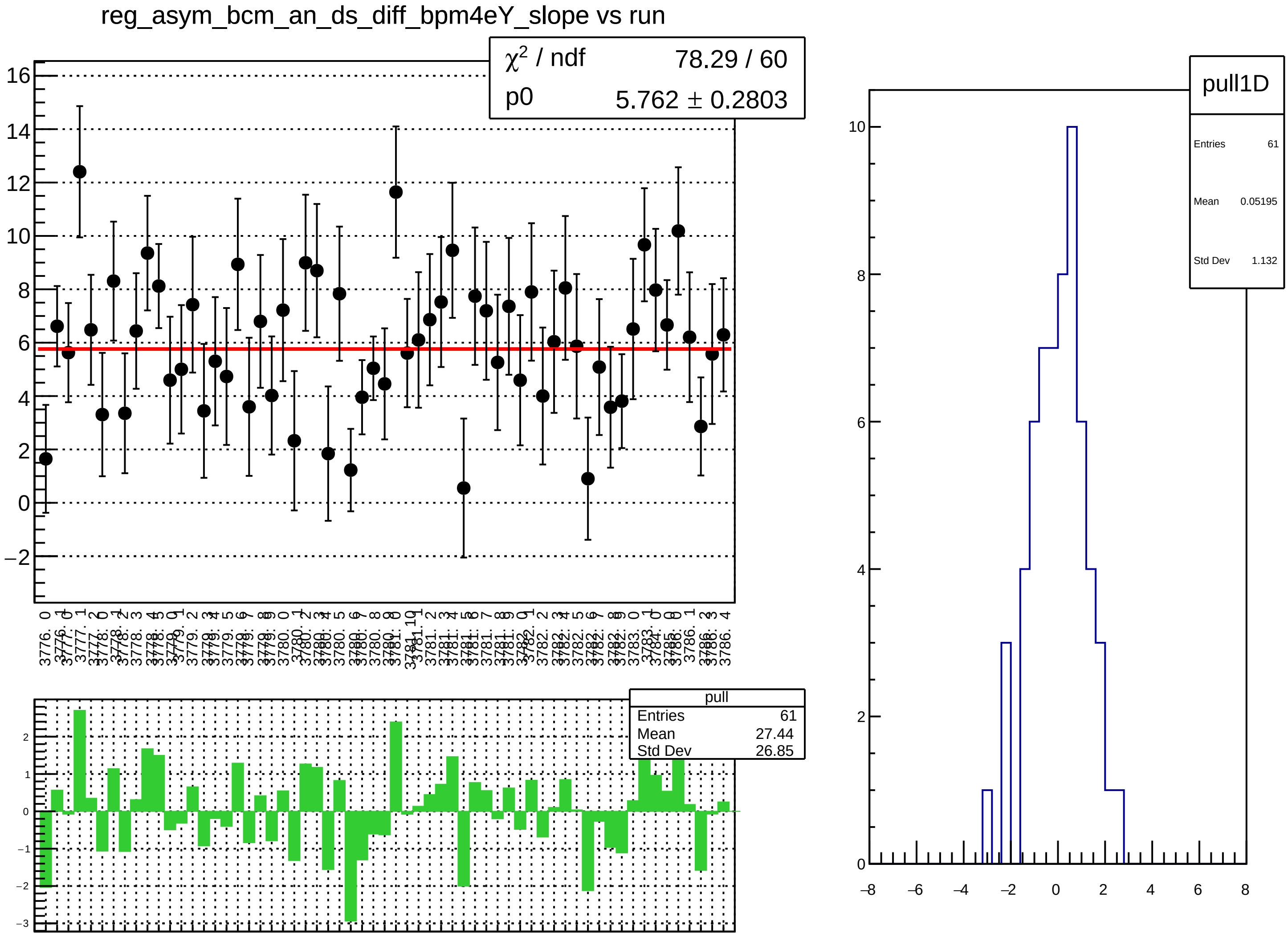

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ^2 / ndf 80.59 / 60
p0 −4.832 ± 0.2488
pull
Entries 61
Mean −66.94
Std Dev 117.7
pull1D
Entries 61
Mean 0.03167
Std Dev 1.149



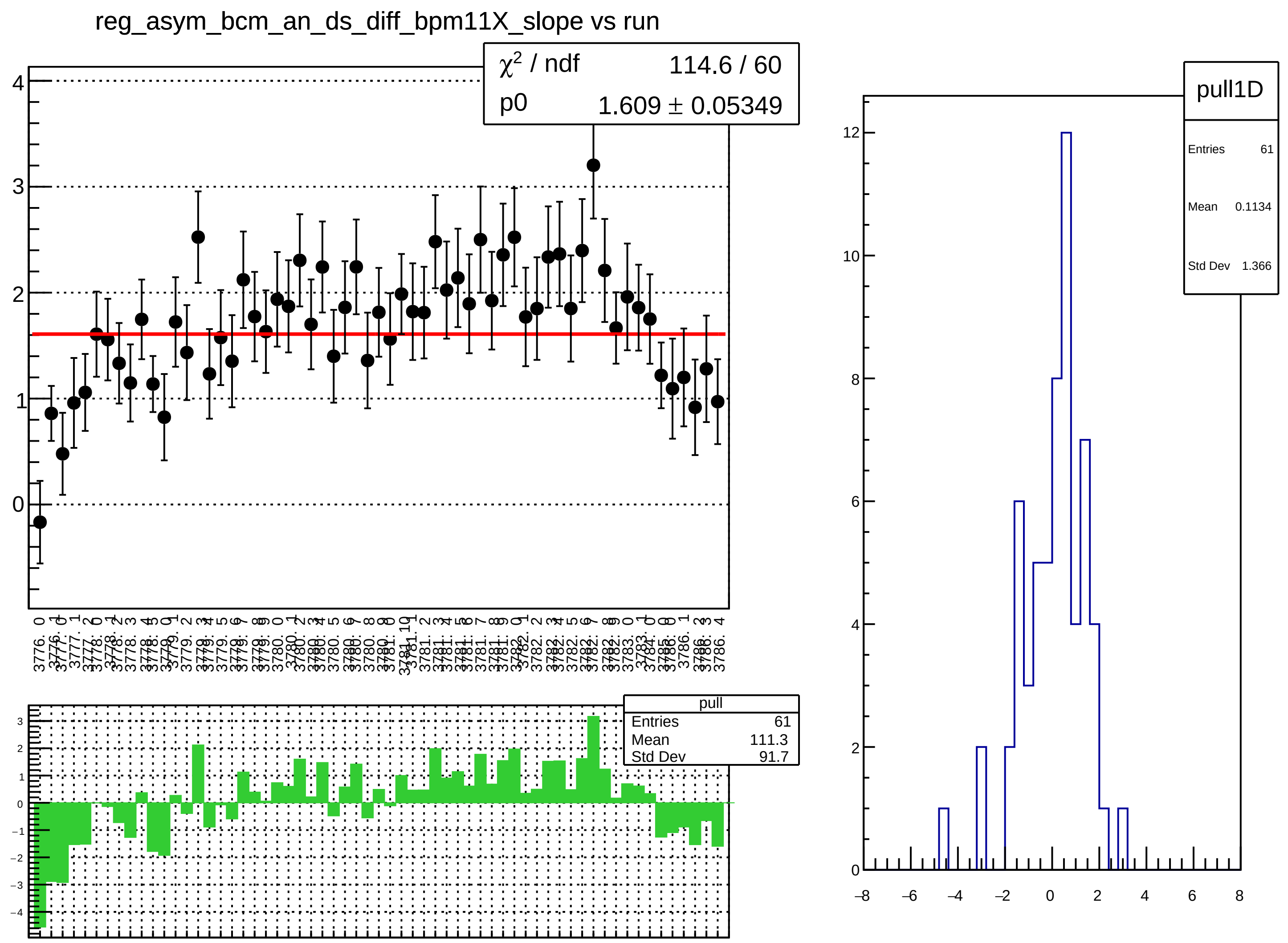
reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ2 / ndf 75.82 / 60
p0 −3.634 ± 0.1796
pull
Entries 61
Mean 36.48
Std Dev 17.93
pull1D
Entries 61
Mean −0.04944
Std Dev 1.114



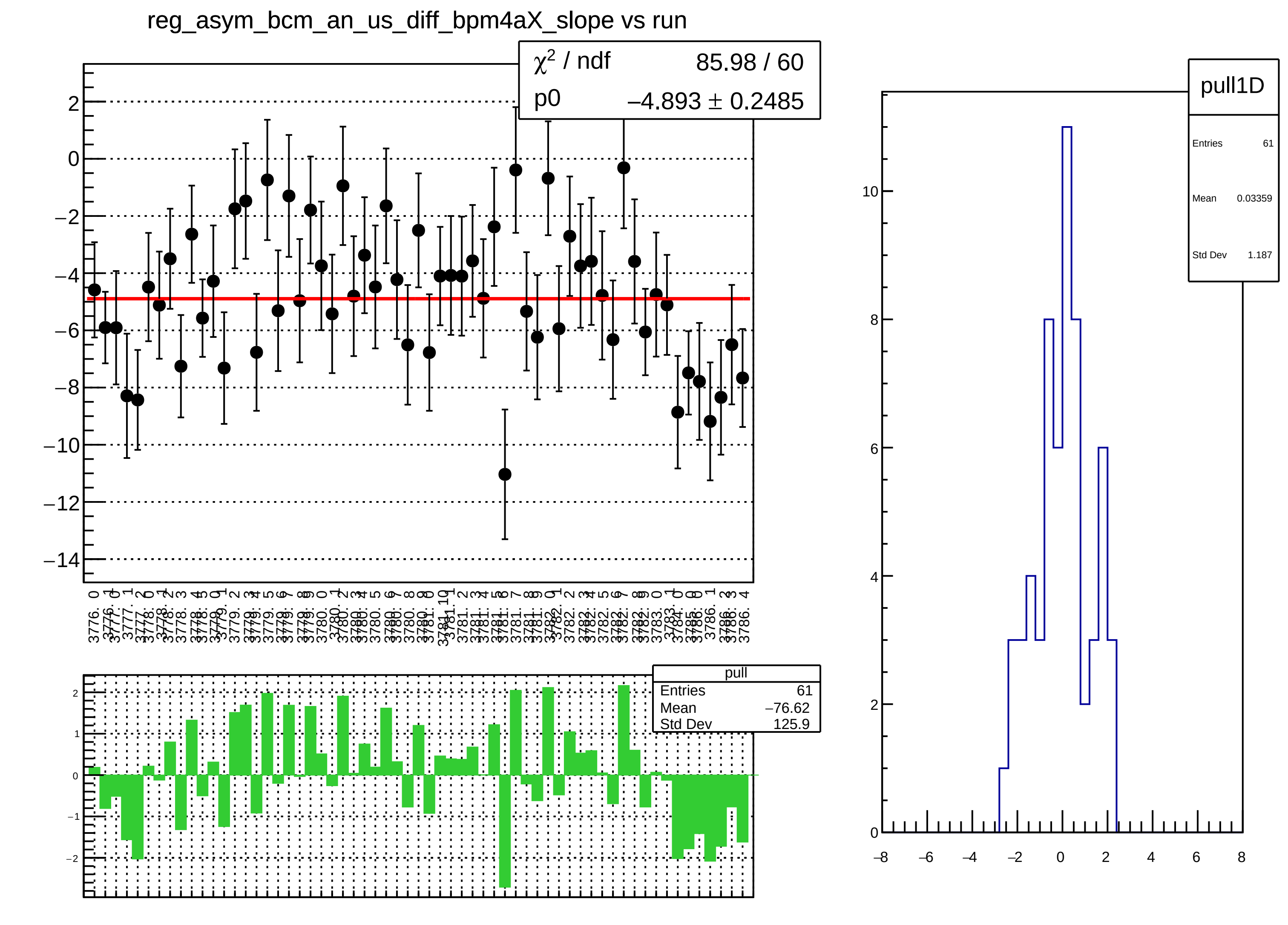
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 71.01 / 60
p0 1.971 ± 0.04847
pull
Entries 61
Mean −205.5
Std Dev 244.2
pull1D
Entries 61
Mean −0.02822
Std Dev 1.079



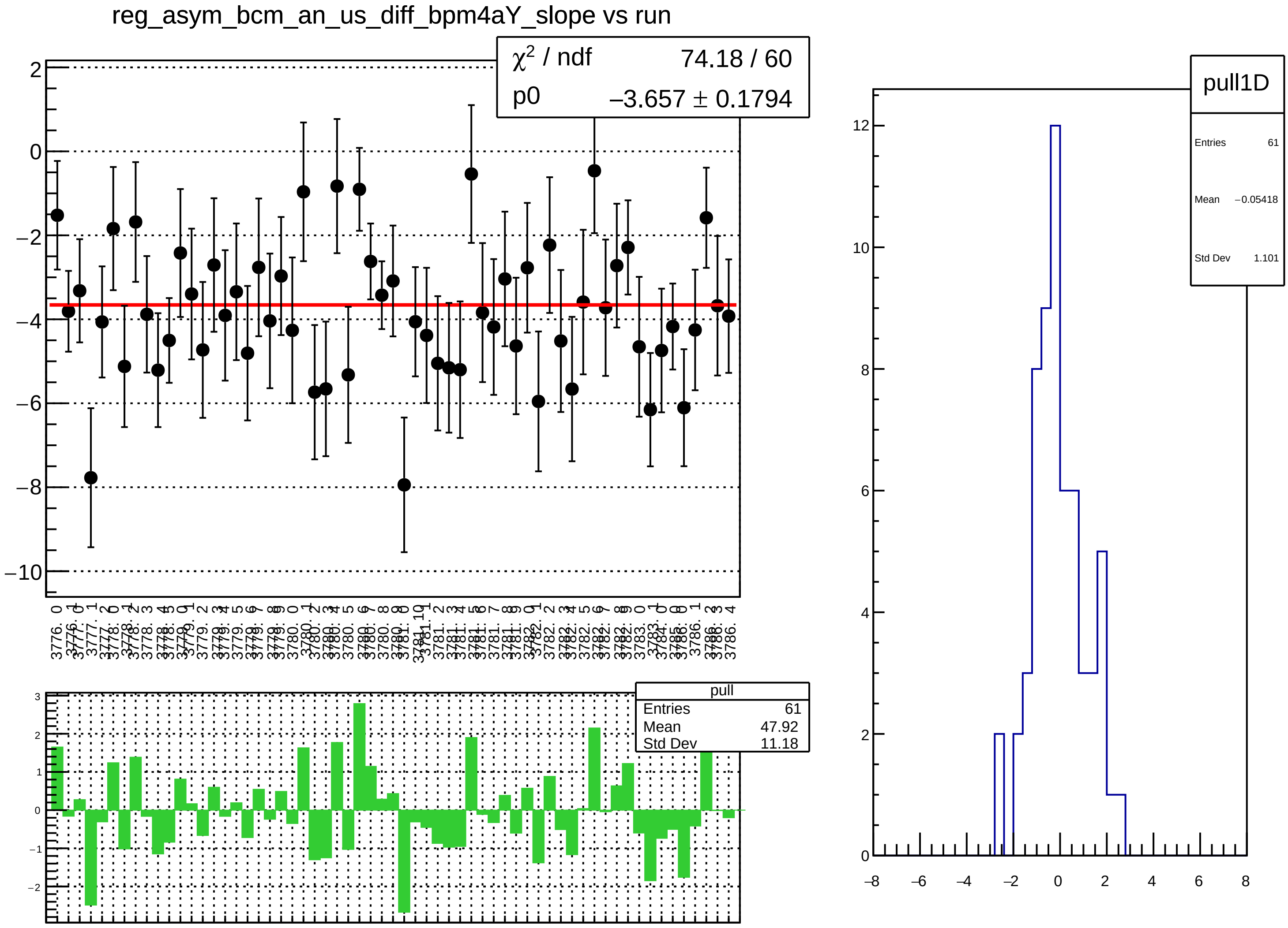
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 78.29 / 60
p0 5.762 ± 0.2803
pull
Entries 61
Mean 27.44
Std Dev 26.85
pull1D
Entries 61
Mean 0.05195
Std Dev 1.132



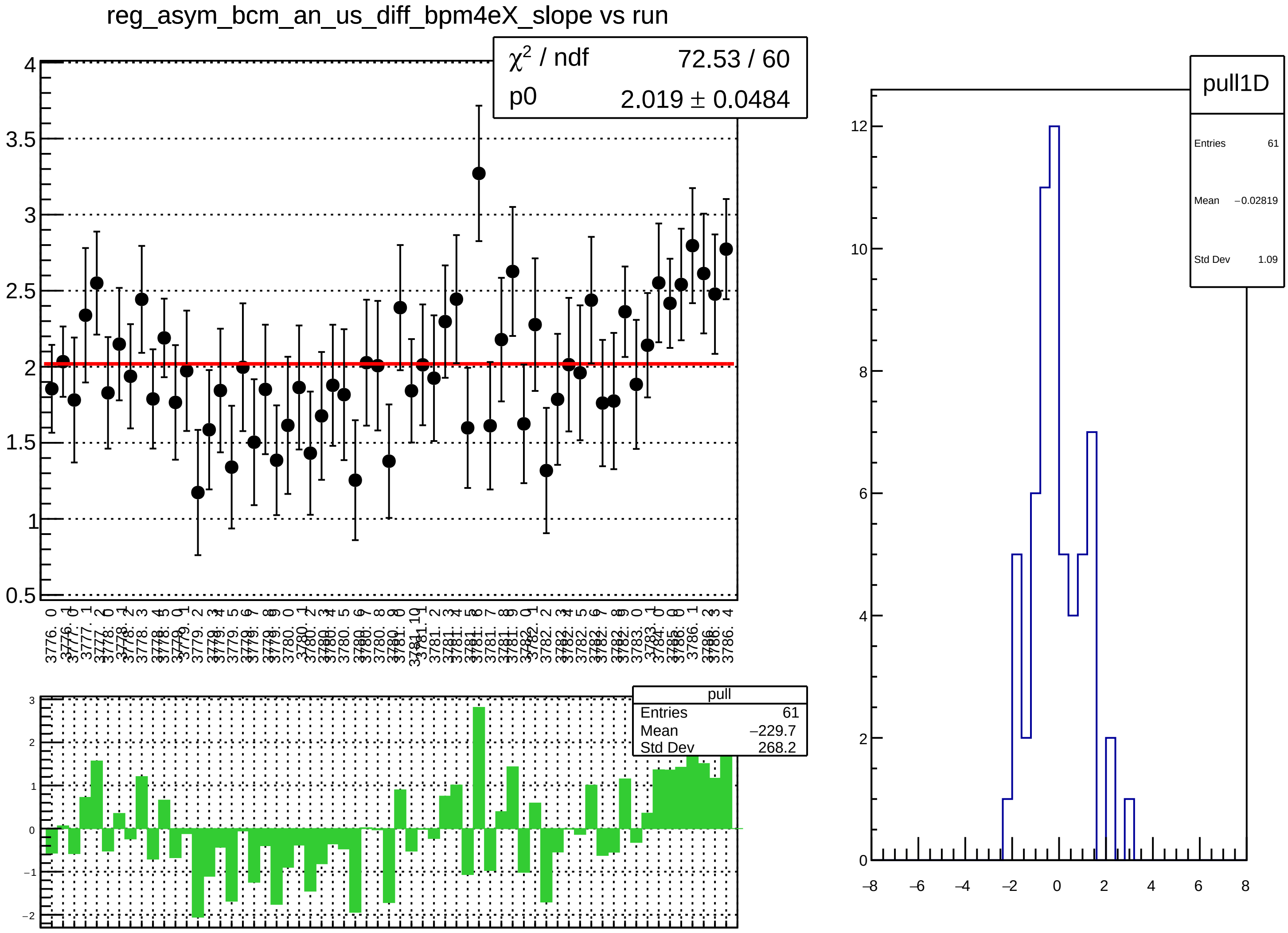
reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ2 / ndf 114.6 / 60
p0 1.609 ± 0.05349
pull
Entries 61
Mean 111.3
Std Dev 91.7
pull1D
Entries 61
Mean 0.1134
Std Dev 1.366

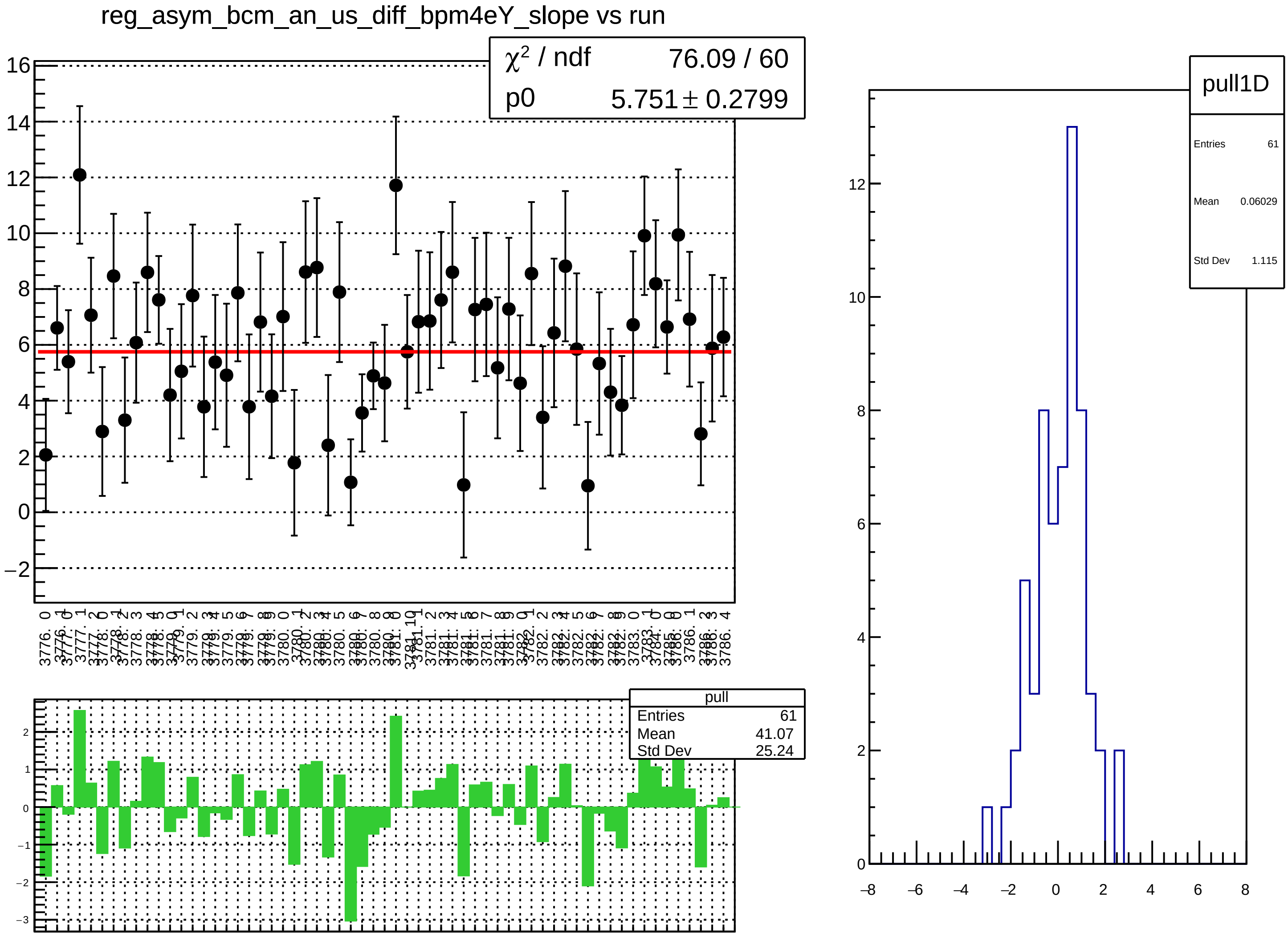


reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ^2 / ndf 85.98 / 60
p0 −4.893 ± 0.2485
pull
Entries 61
Mean −76.62
Std Dev 125.9
pull1D
Entries 61
Mean 0.03359
Std Dev 1.187

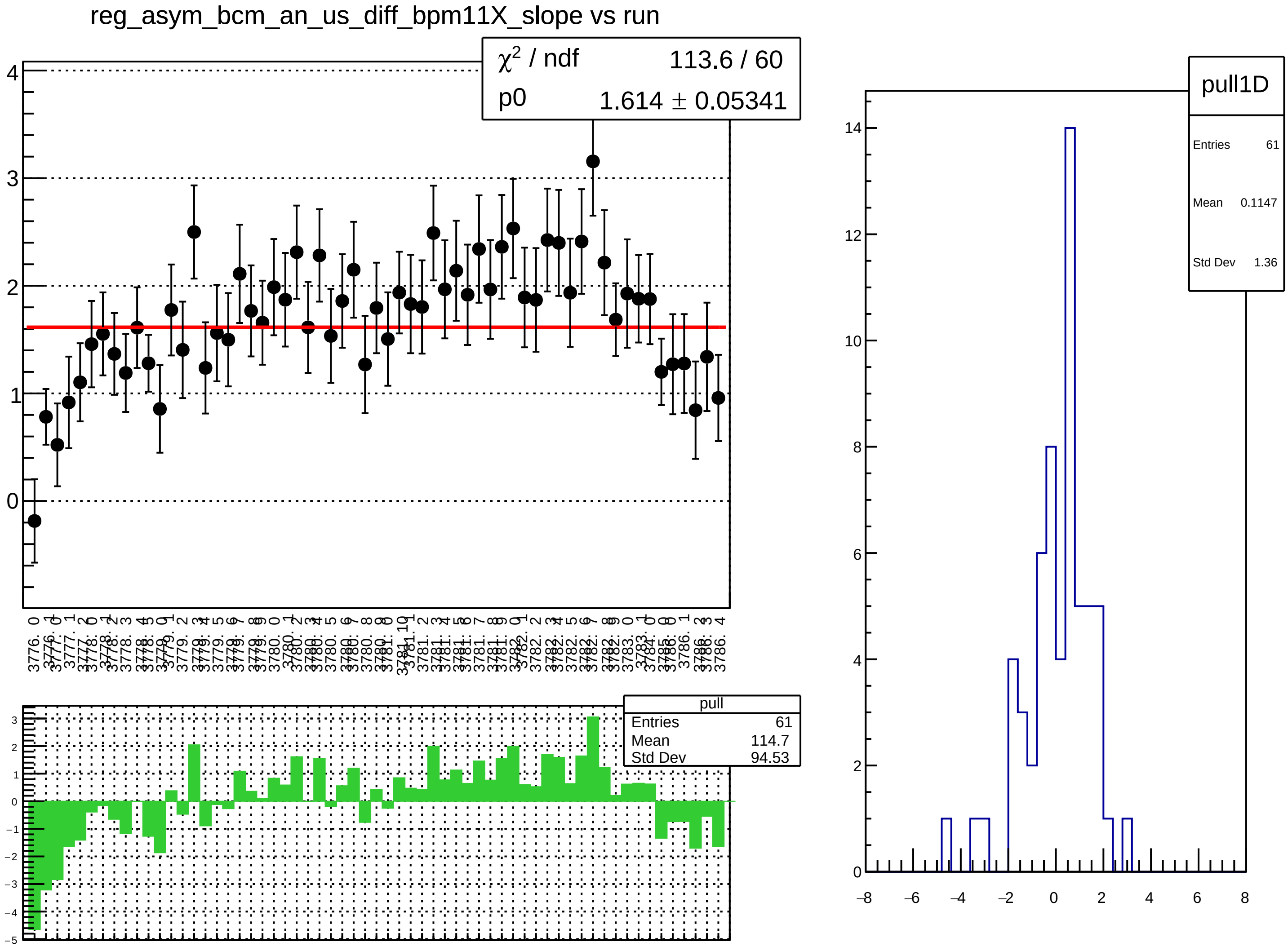


reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / ndf 74.18 / 60
p0 −3.657 ± 0.1794
pull
Entries 61
Mean 47.92
Std Dev 11.18
pull1D
Entries 61
Mean −0.05418
Std Dev 1.101

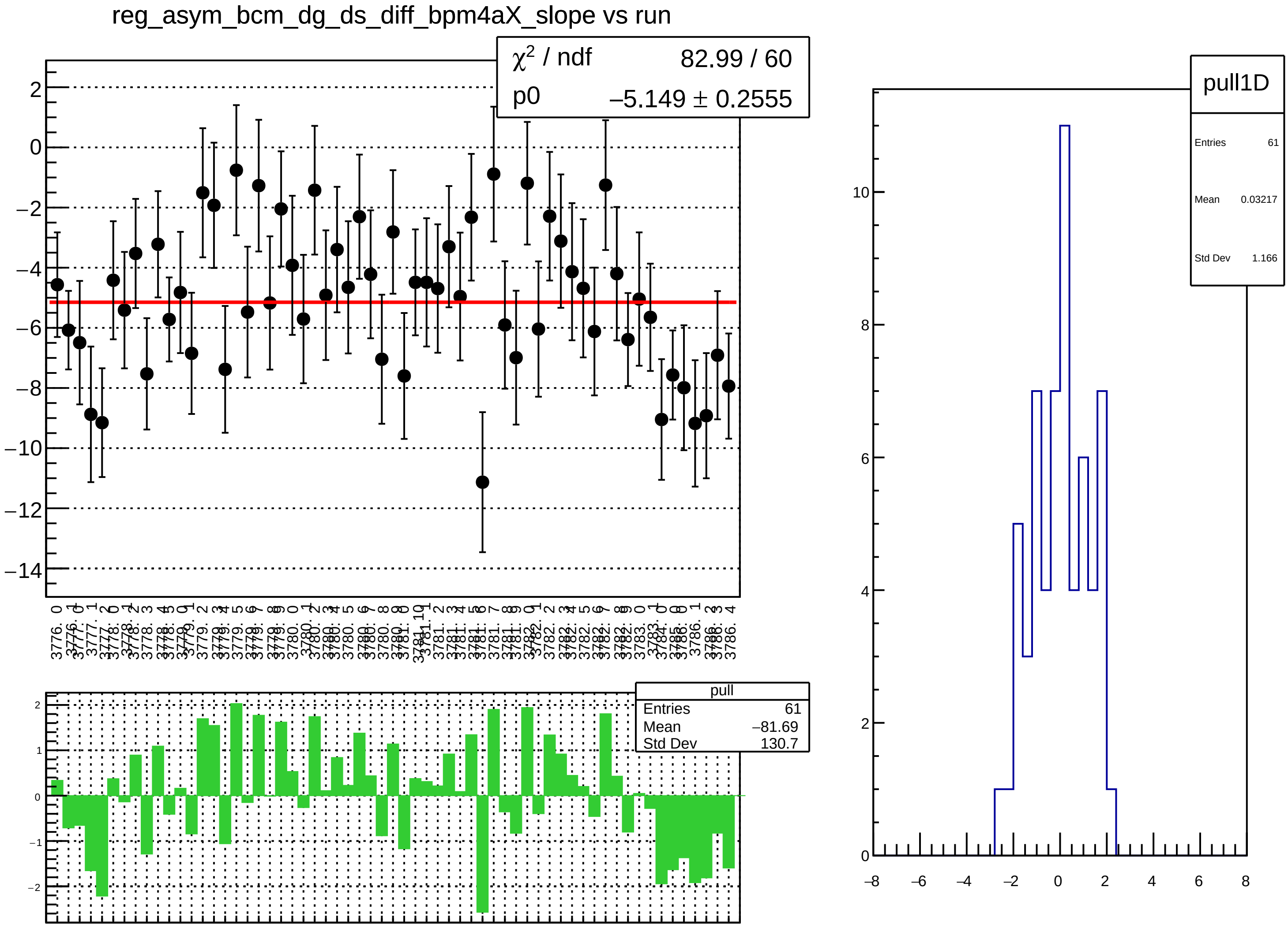

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 72.53 / 60
p0 2.019 ± 0.0484
pull
Entries 61
Mean −229.7
Std Dev 268.2
pull1D
Entries 61
Mean −0.02819
Std Dev 1.09



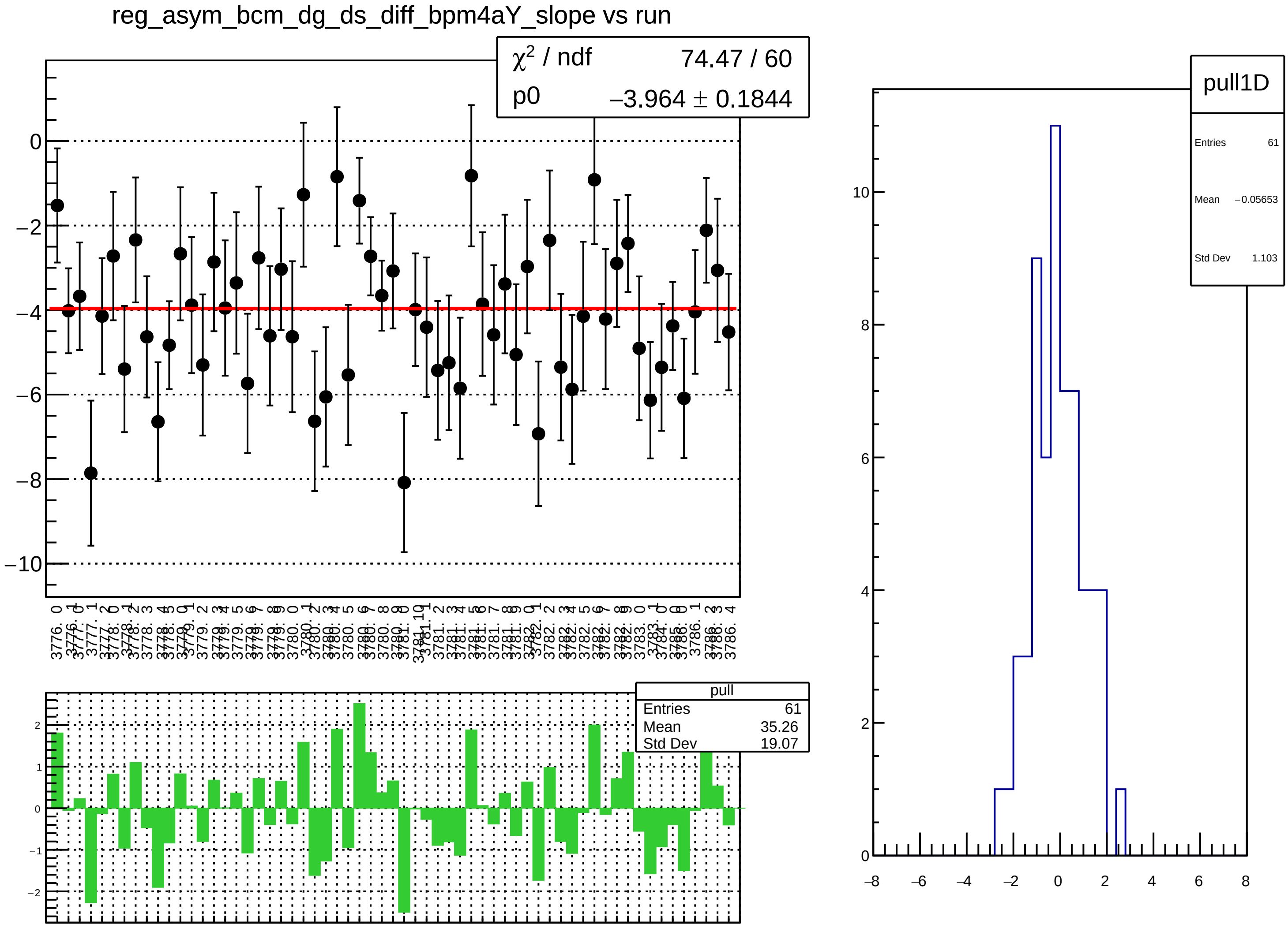
reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 76.09 / 60
p0 5.751 ± 0.2799
pull
Entries 61
Mean 41.07
Std Dev 25.24
pull1D
Entries 61
Mean 0.06029
Std Dev 1.115



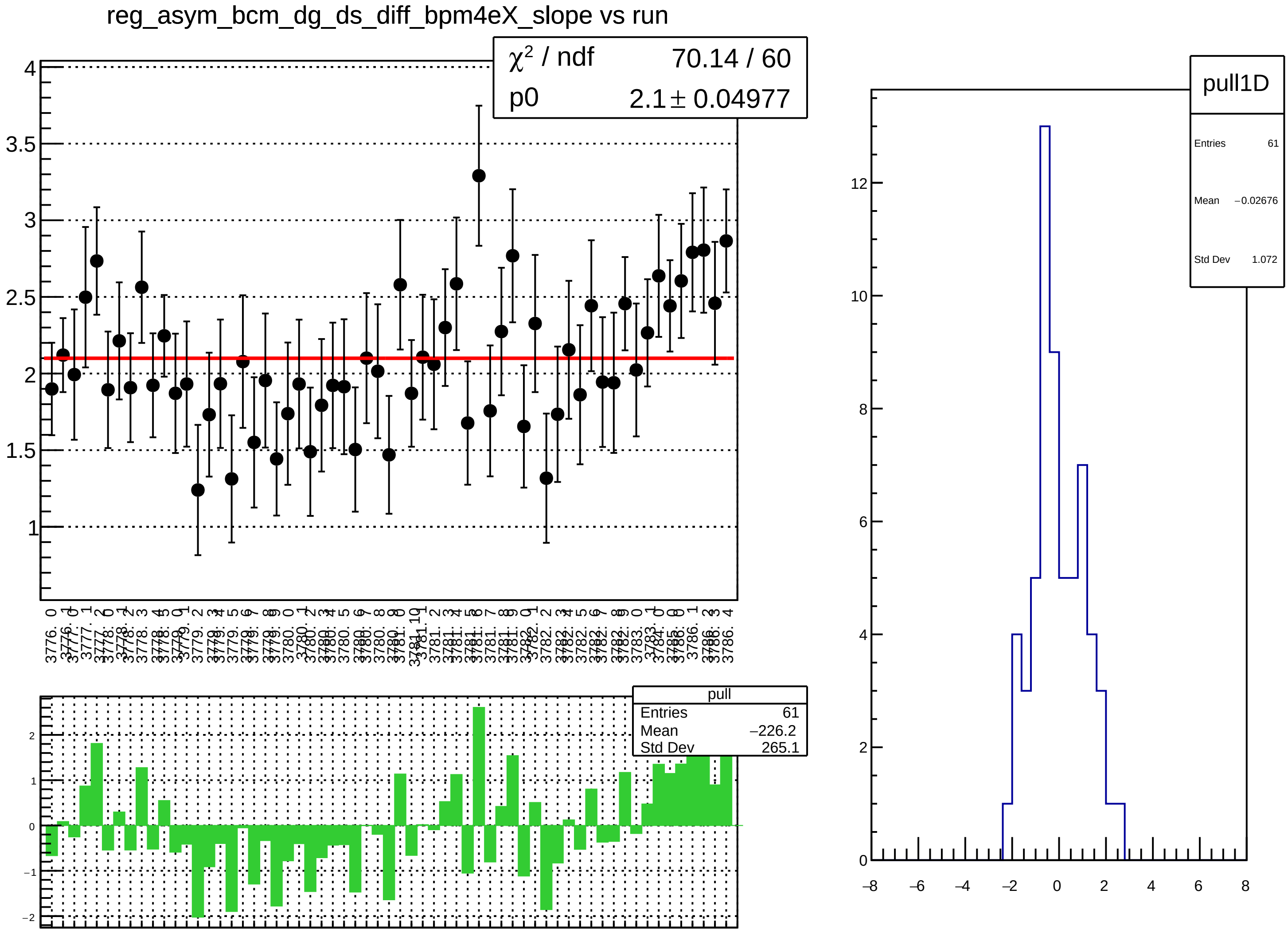
reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ2 / ndf 113.6 / 60
p0 1.614 ± 0.05341
pull
Entries 61
Mean 114.7
Std Dev 94.53
pull1D
Entries 61
Mean 0.1147
Std Dev 1.36

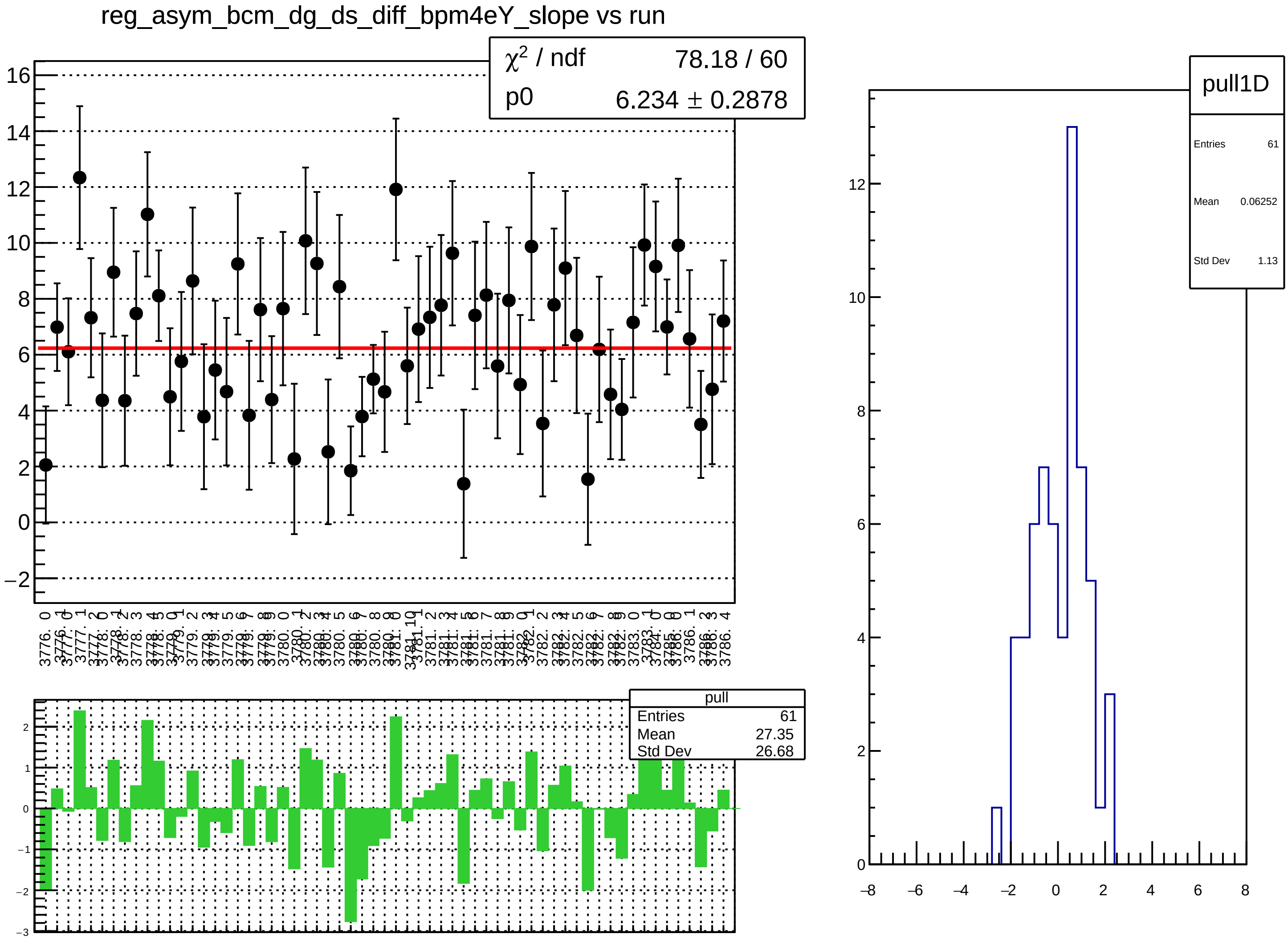


reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ^2 / ndf 82.99 / 60
p0 −5.149 ± 0.2555
pull
Entries 61
Mean −81.69
Std Dev 130.7
pull1D
Entries 61
Mean 0.03217
Std Dev 1.166



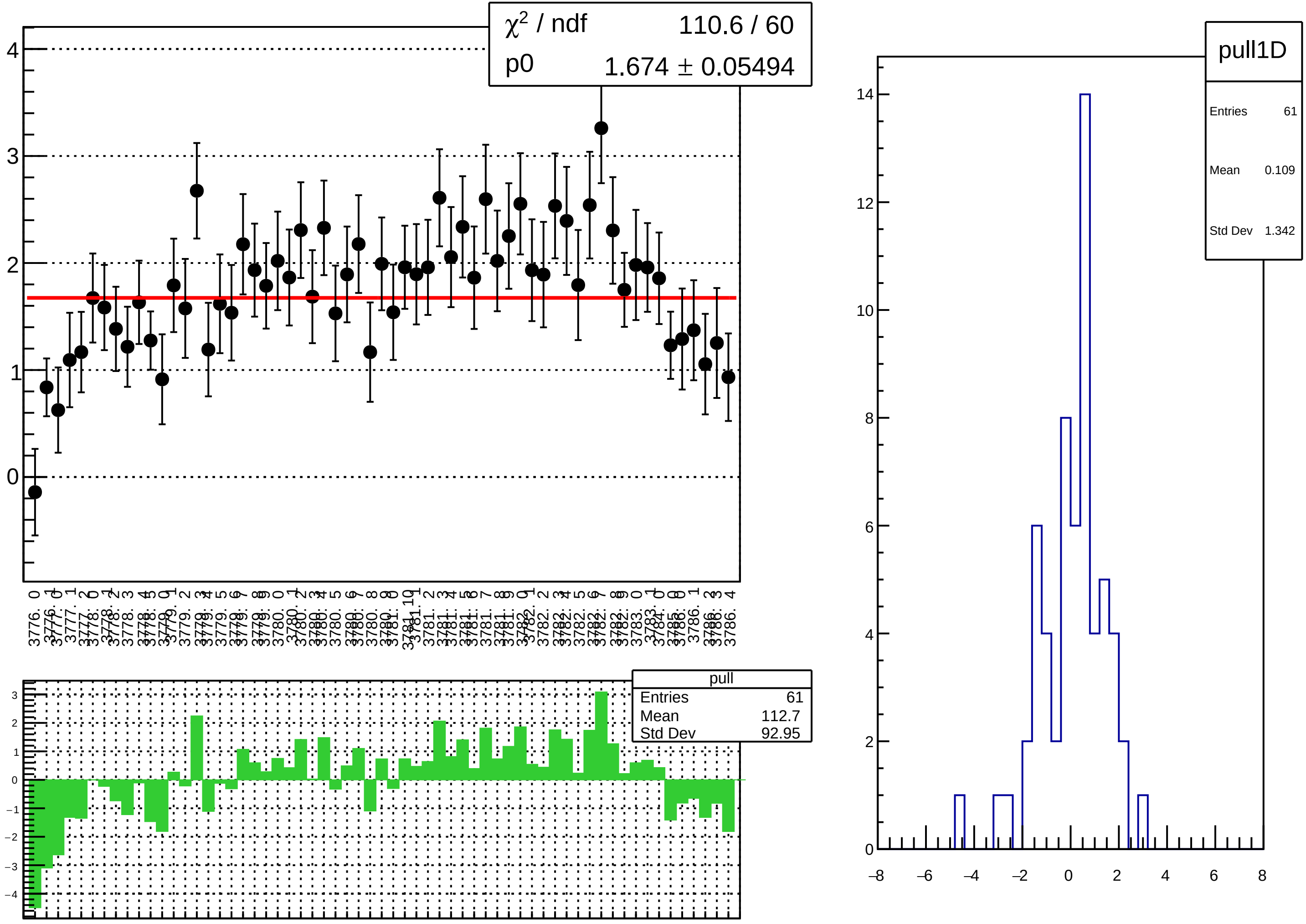
reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ2 / ndf 74.47 / 60
p0 −3.964 ± 0.1844
pull
Entries 61
Mean 35.26
Std Dev 19.07
pull1D
Entries 61
Mean −0.05653
Std Dev 1.103

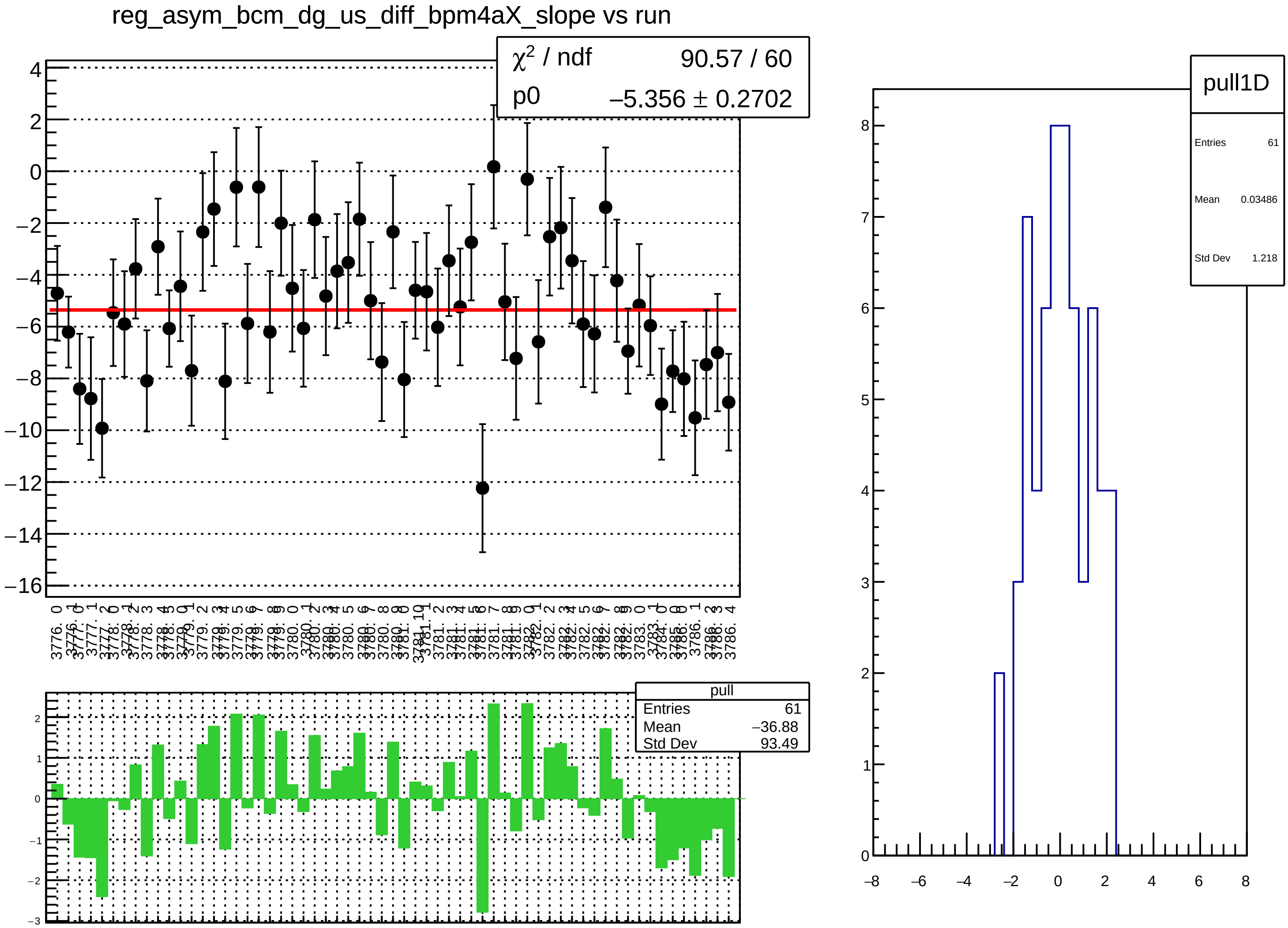

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 70.14 / 60
p0 2.1 ± 0.04977
pull
Entries 61
Mean −226.2
Std Dev 265.1
pull1D
Entries 61
Mean −0.02676
Std Dev 1.072

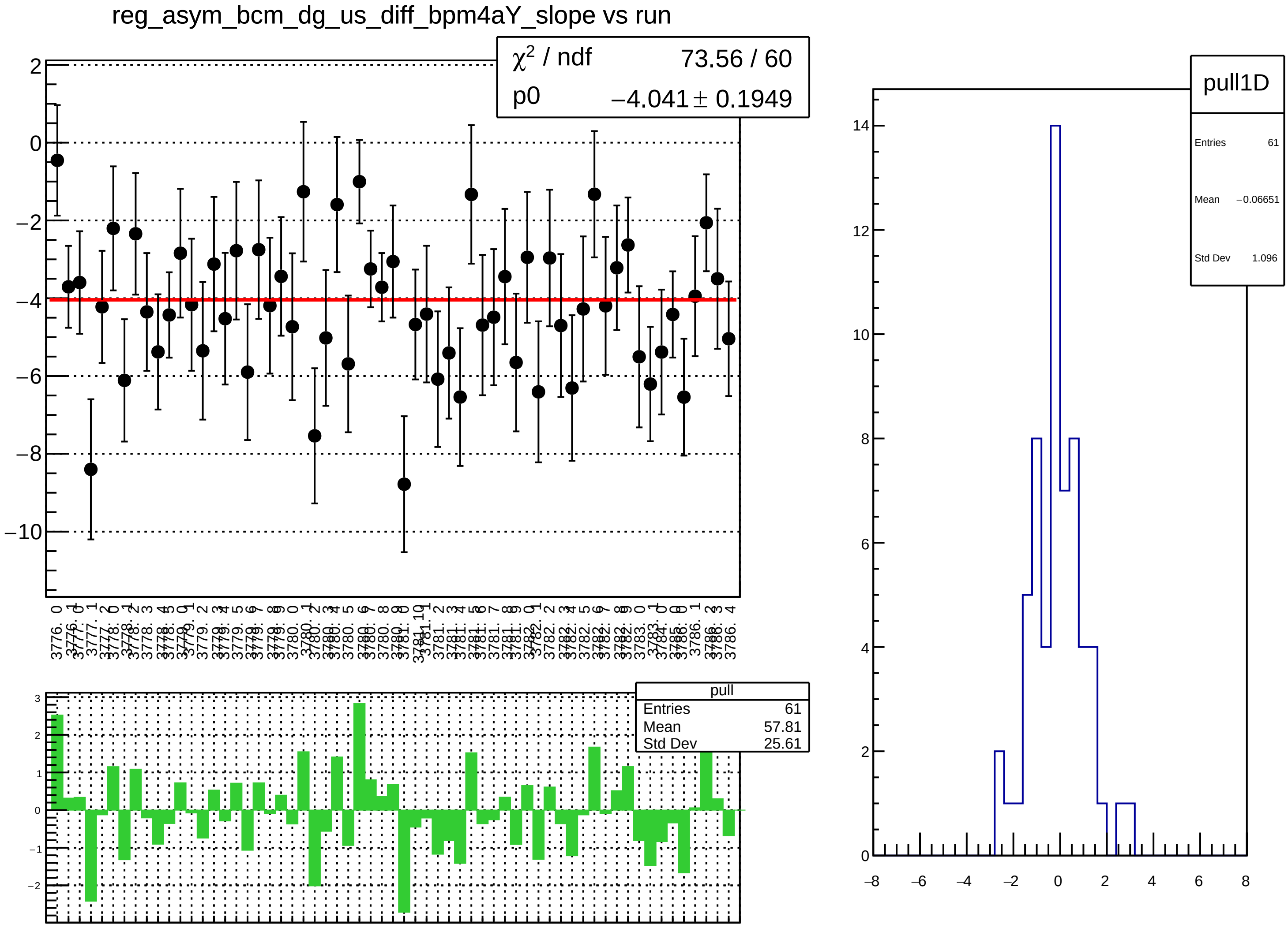


reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 78.18 / 60
p0 6.234 ± 0.2878
pull
Entries 61
Mean 27.35
Std Dev 26.68
pull1D
Entries 61
Mean 0.06252
Std Dev 1.13

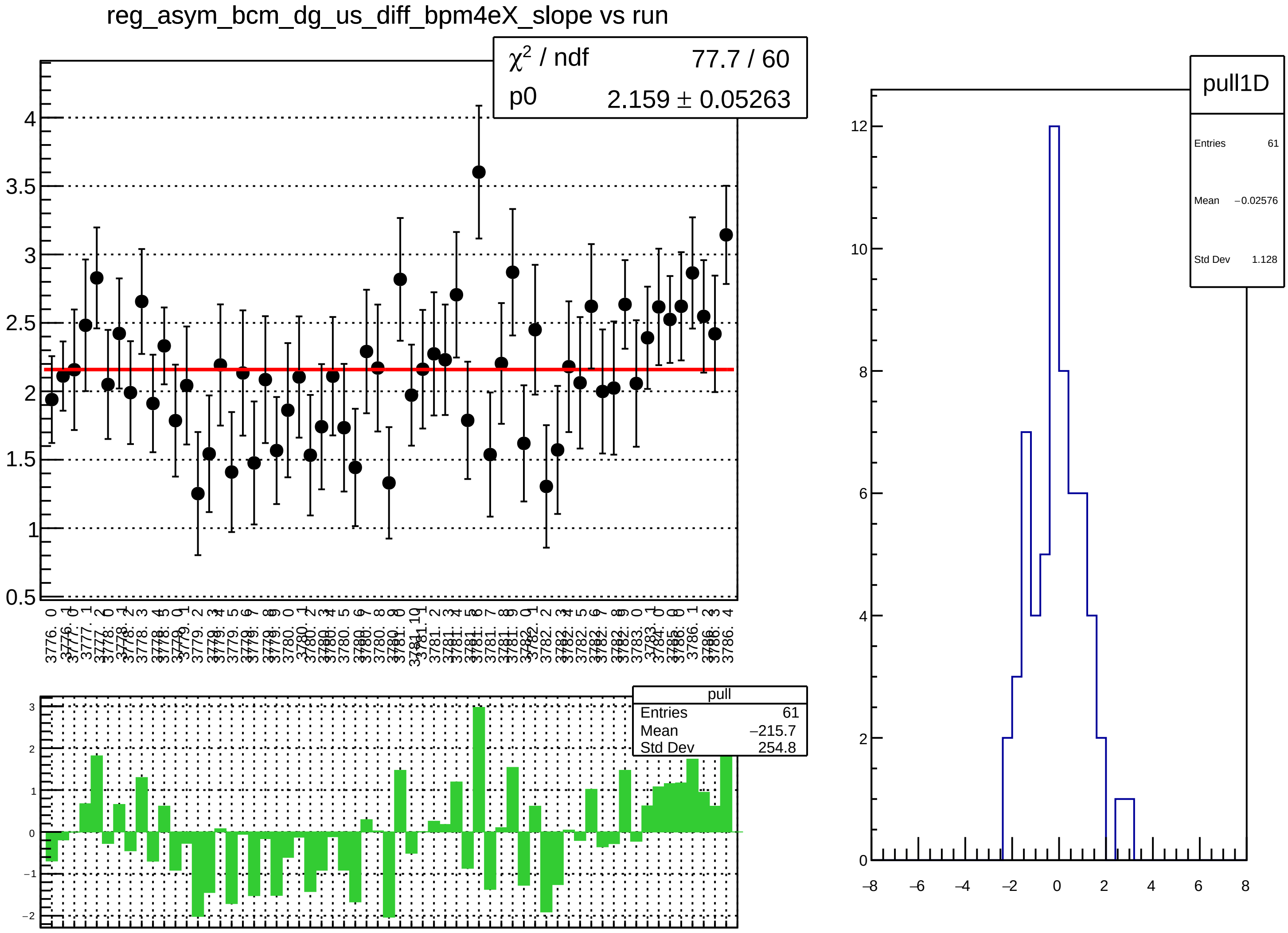
reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run



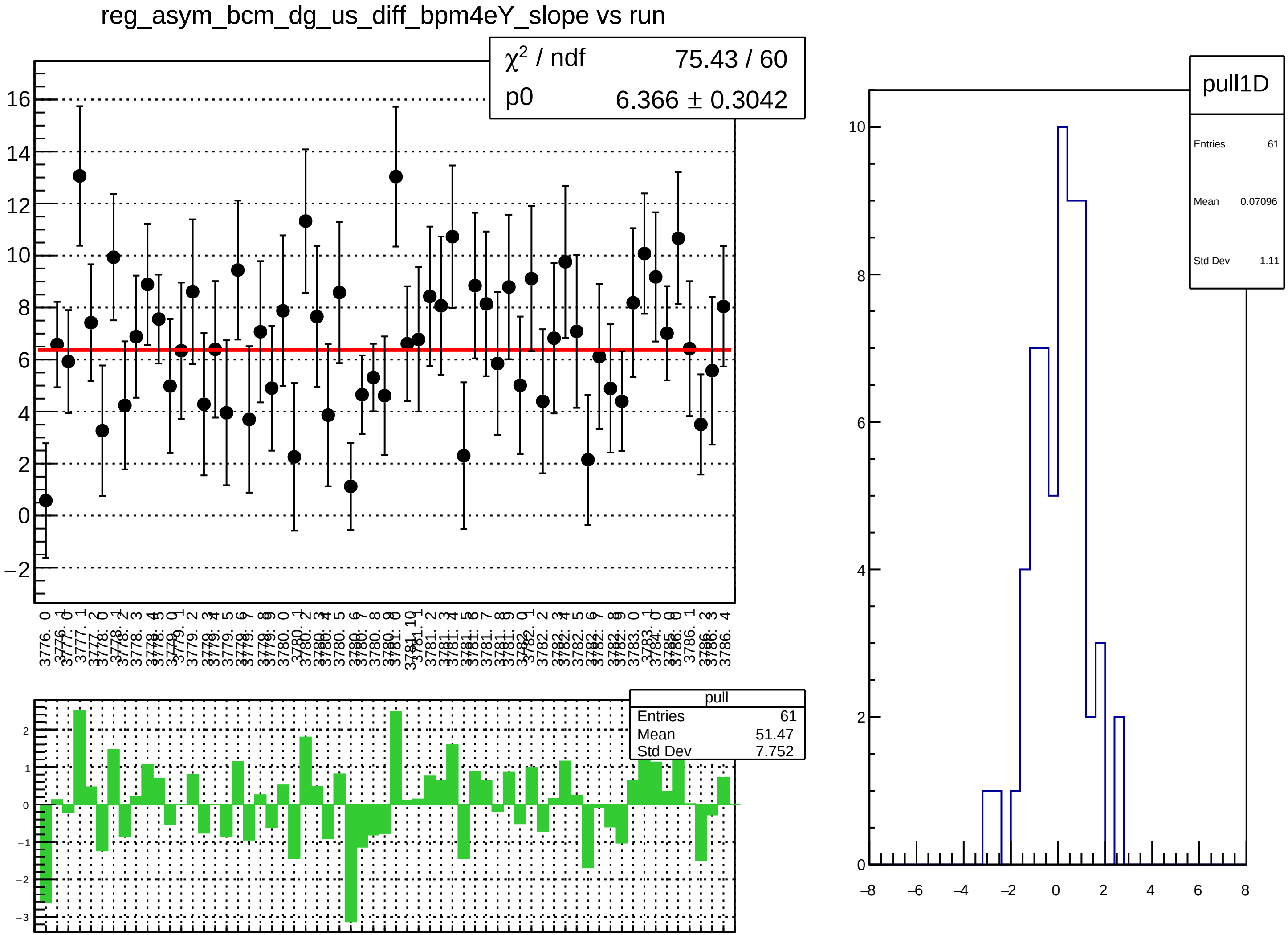

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ^2 / ndf 90.57 / 60
p0 −5.356 ± 0.2702
pull
Entries 61
Mean −36.88
Std Dev 93.49
pull1D
Entries 61
Mean 0.03486
Std Dev 1.218



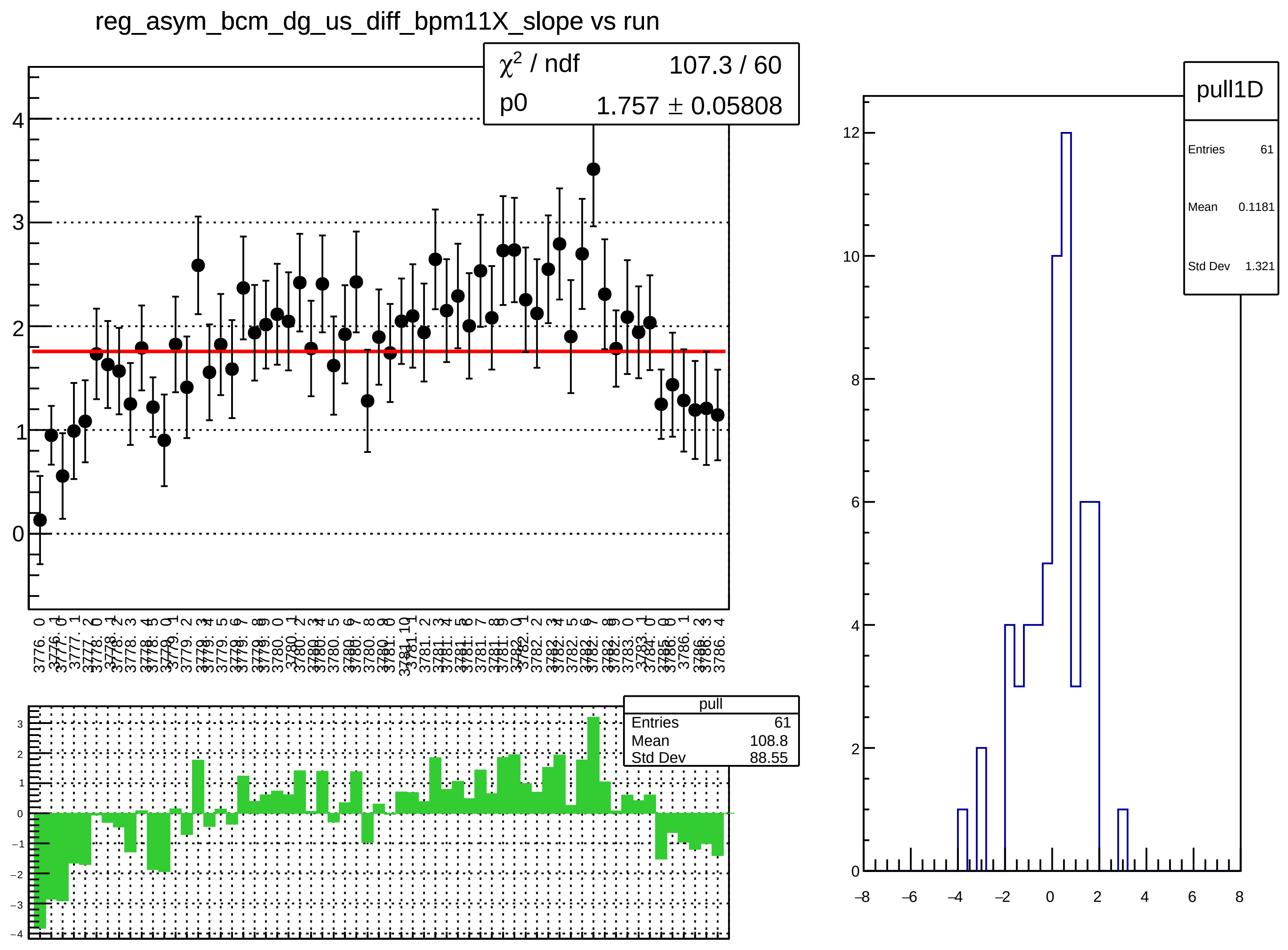
reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 73.56 / 60
p0 −4.041 ± 0.1949
pull
Entries 61
Mean 57.81
Std Dev 25.61
pull1D
Entries 61
Mean −0.06651
Std Dev 1.096

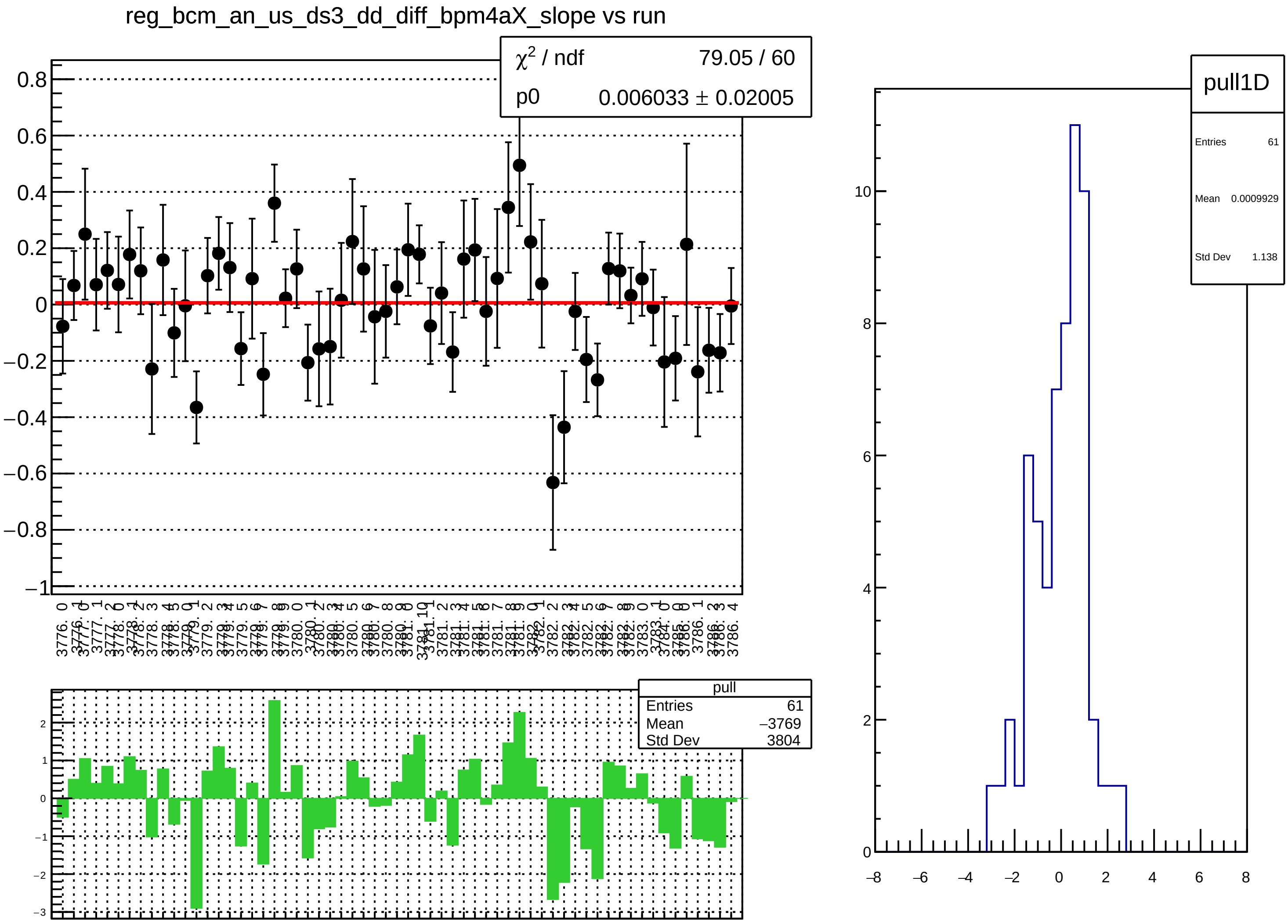


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 77.7 / 60
p0 2.159 ± 0.05263
pull
Entries 61
Mean −215.7
Std Dev 254.8
pull1D
Entries 61
Mean −0.02576
Std Dev 1.128

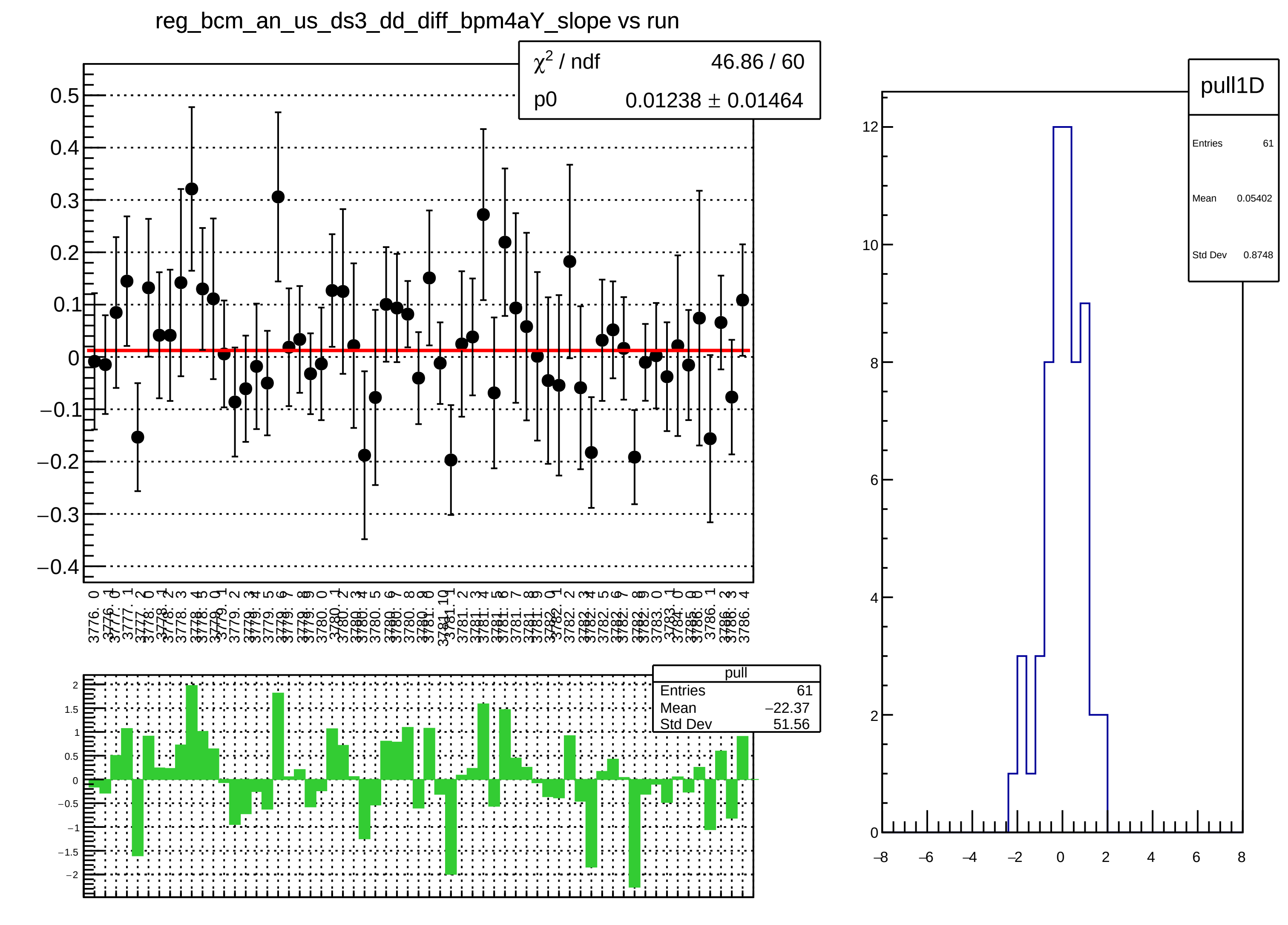


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ^2 / ndf 75.43 / 60
p0 6.366 ± 0.3042
pull
Entries 61
Mean 51.47
Std Dev 7.752
pull1D
Entries 61
Mean 0.07096
Std Dev 1.11

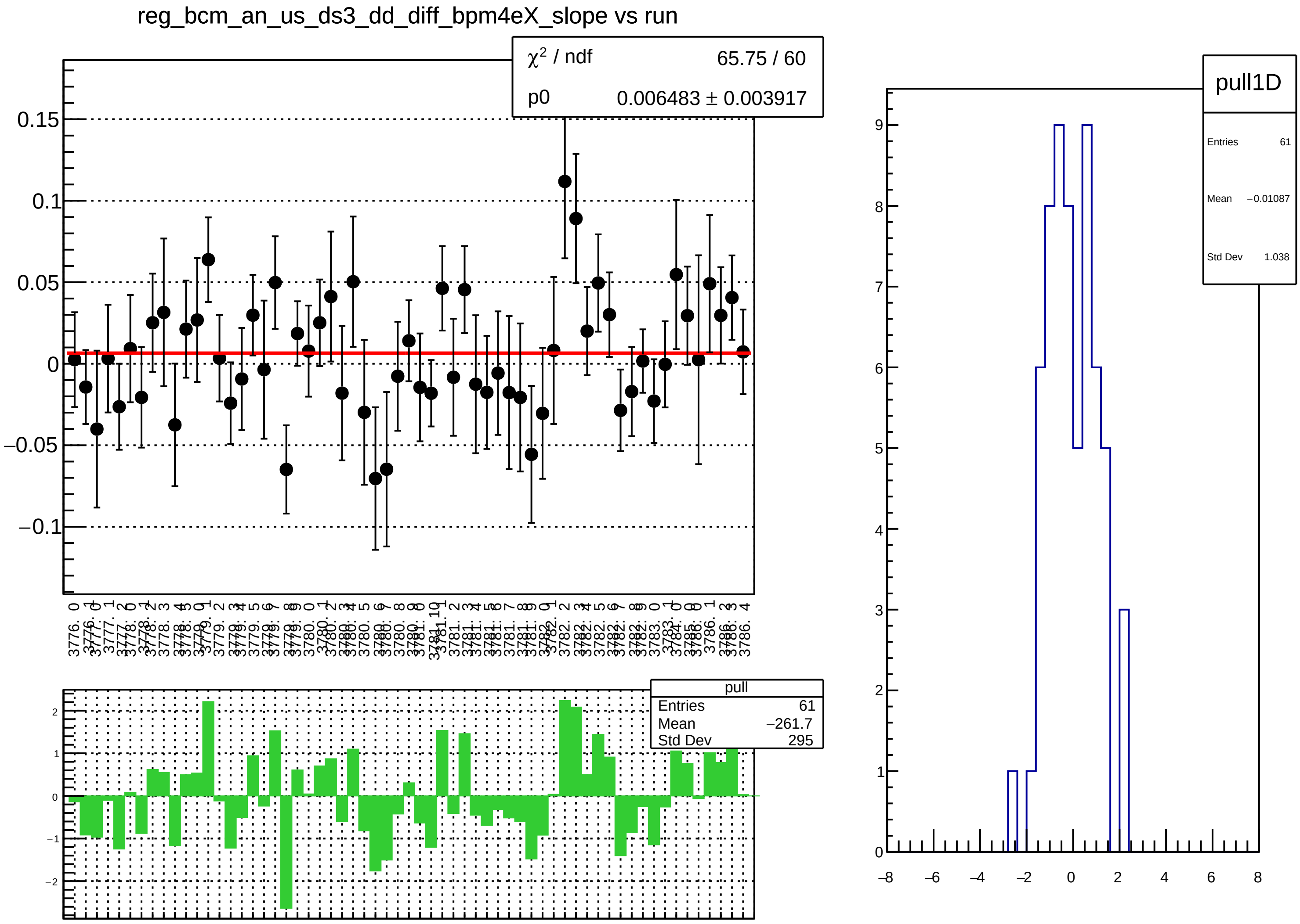

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ^2 / ndf 107.3 / 60
p0 1.757 ± 0.05808
pull
Entries 61
Mean 108.8
Std Dev 88.55
pull1D
Entries 61
Mean 0.1181
Std Dev 1.321



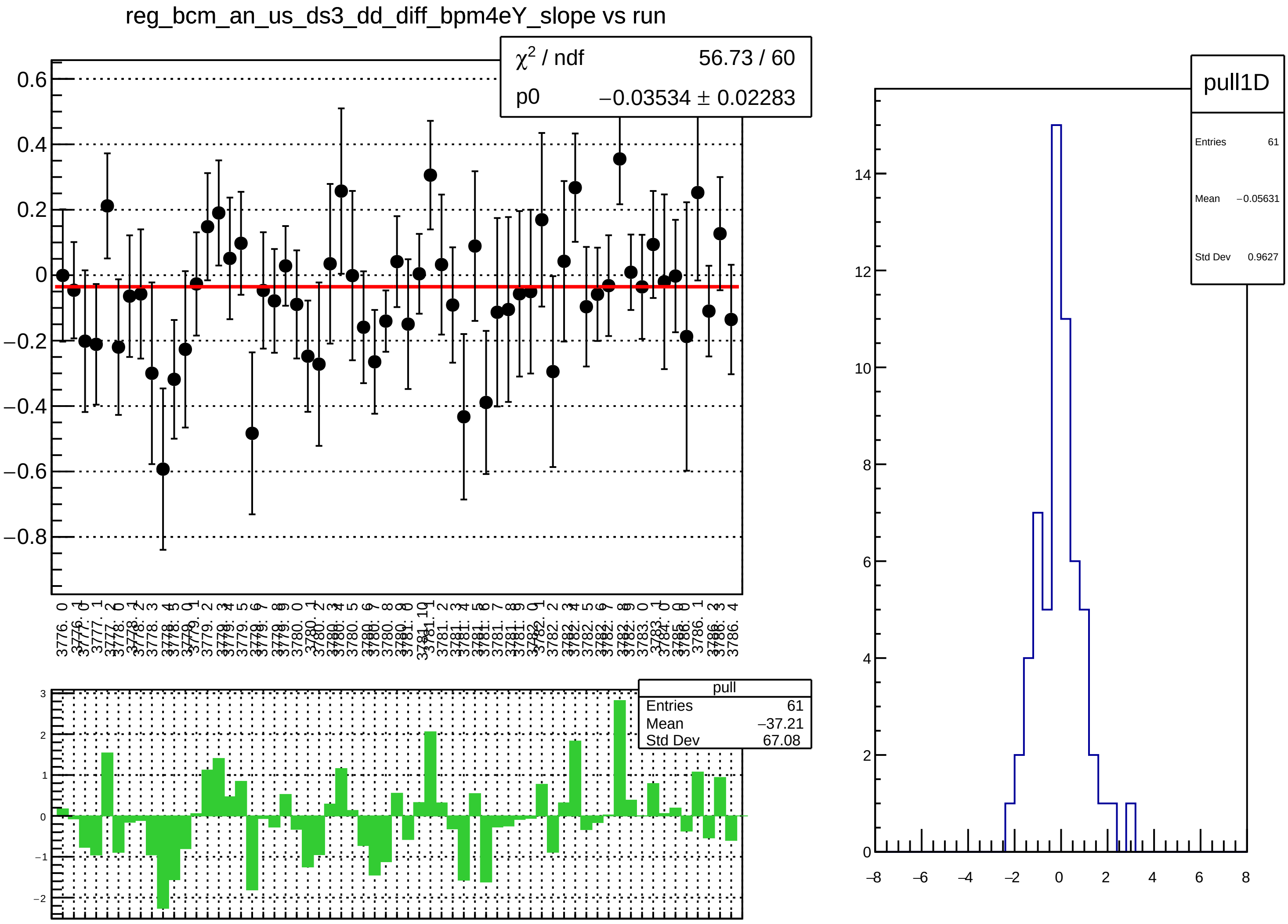
reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 79.05 / 60
p0 0.006033 ± 0.02005
pull
Entries 61
Mean −3769
Std Dev 3804
pull1D
Entries 61
Mean 0.0009929
Std Dev 1.138

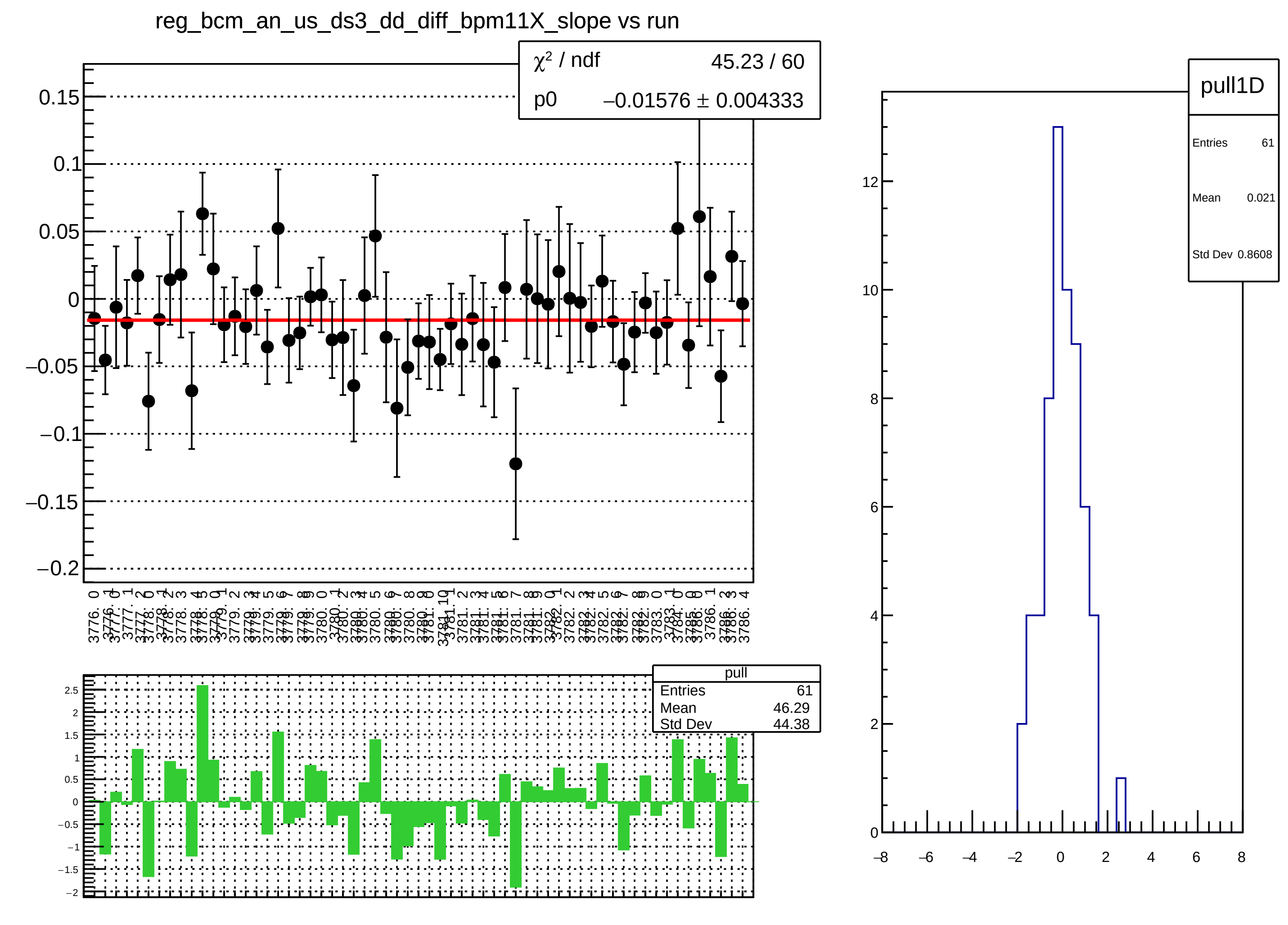


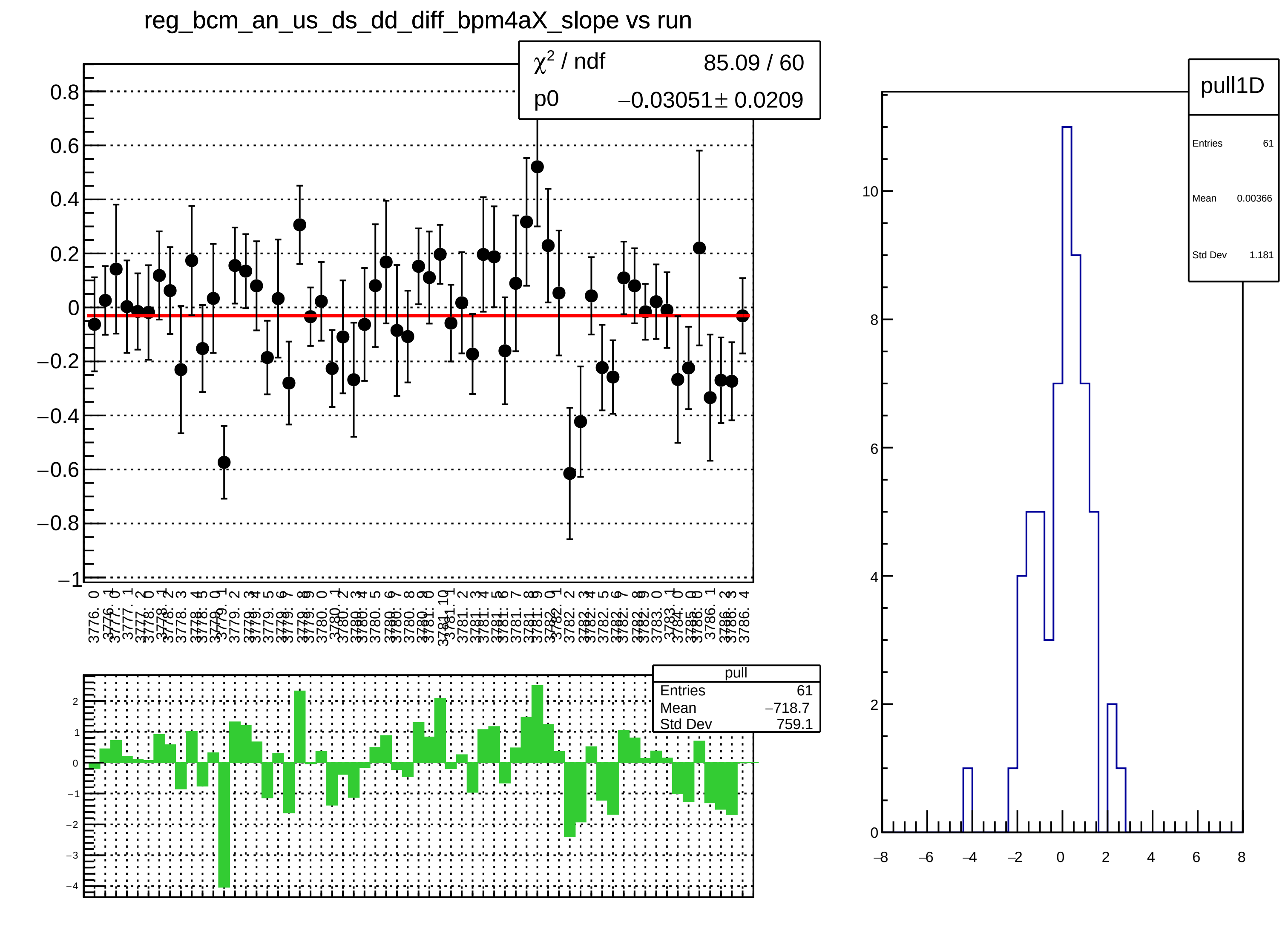
reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 46.86 / 60
p0 0.01238 ± 0.01464
pull
Entries 61
Mean −22.37
Std Dev 51.56
pull1D
Entries 61
Mean 0.05402
Std Dev 0.8748

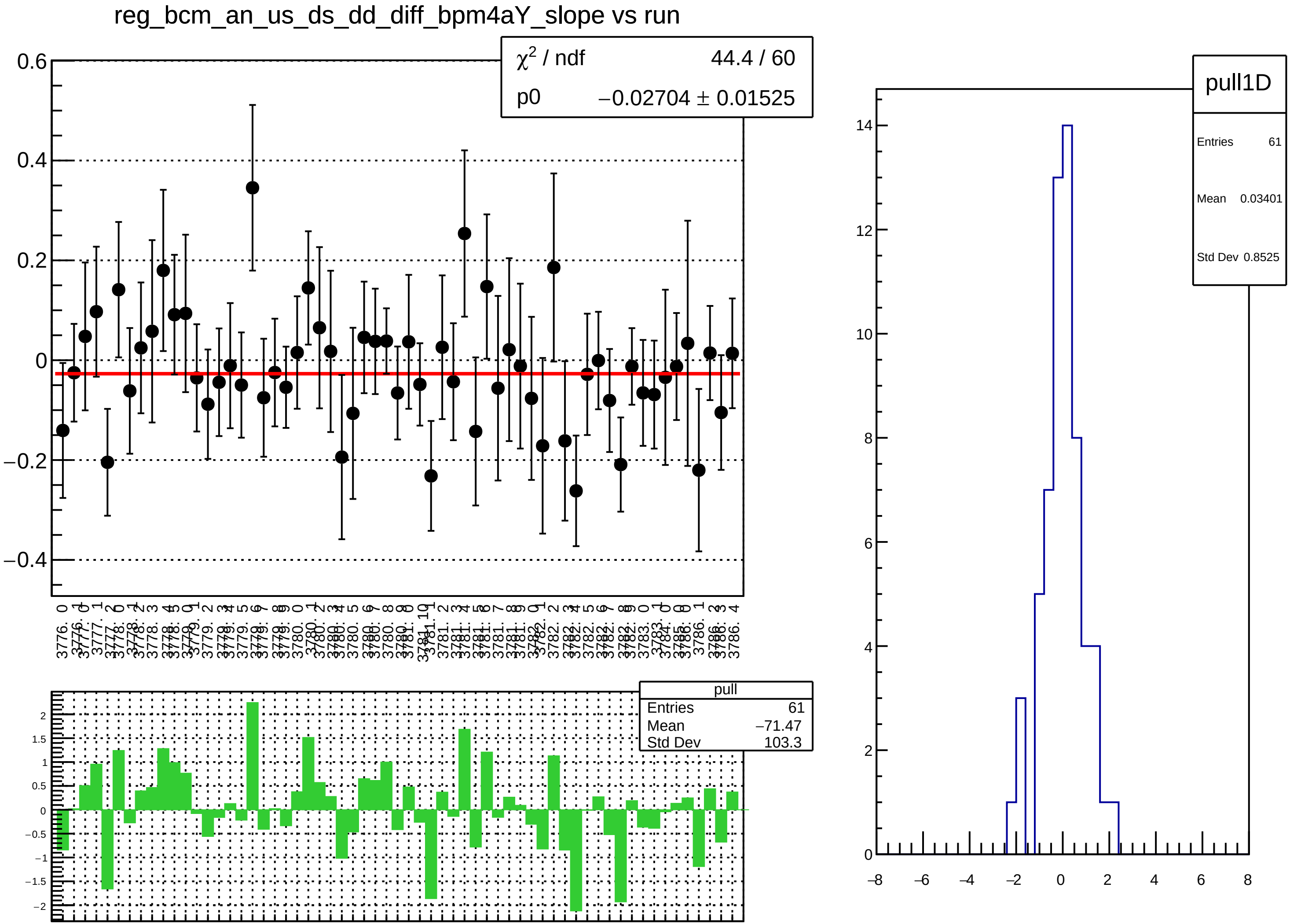


reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 65.75 / 60
p0 0.006483 ± 0.003917
pull
Entries 61
Mean −261.7
Std Dev 295
pull1D
Entries 61
Mean −0.01087
Std Dev 1.038

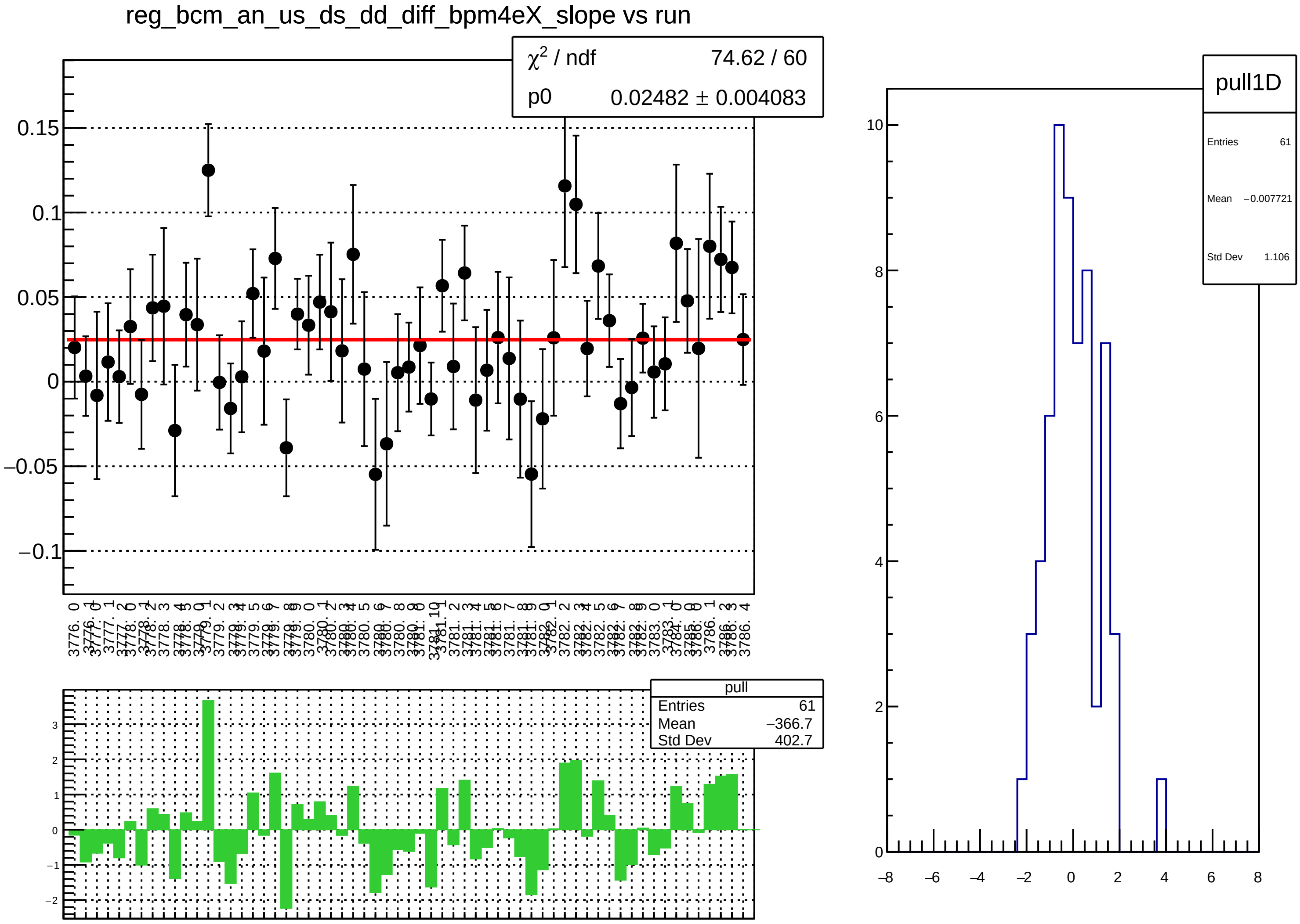

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ2 / ndf 56.73 / 60
p0 −0.03534 ± 0.02283
pull
Entries 61
Mean −37.21
Std Dev 67.08
pull1D
Entries 61
Mean −0.05631
Std Dev 0.9627

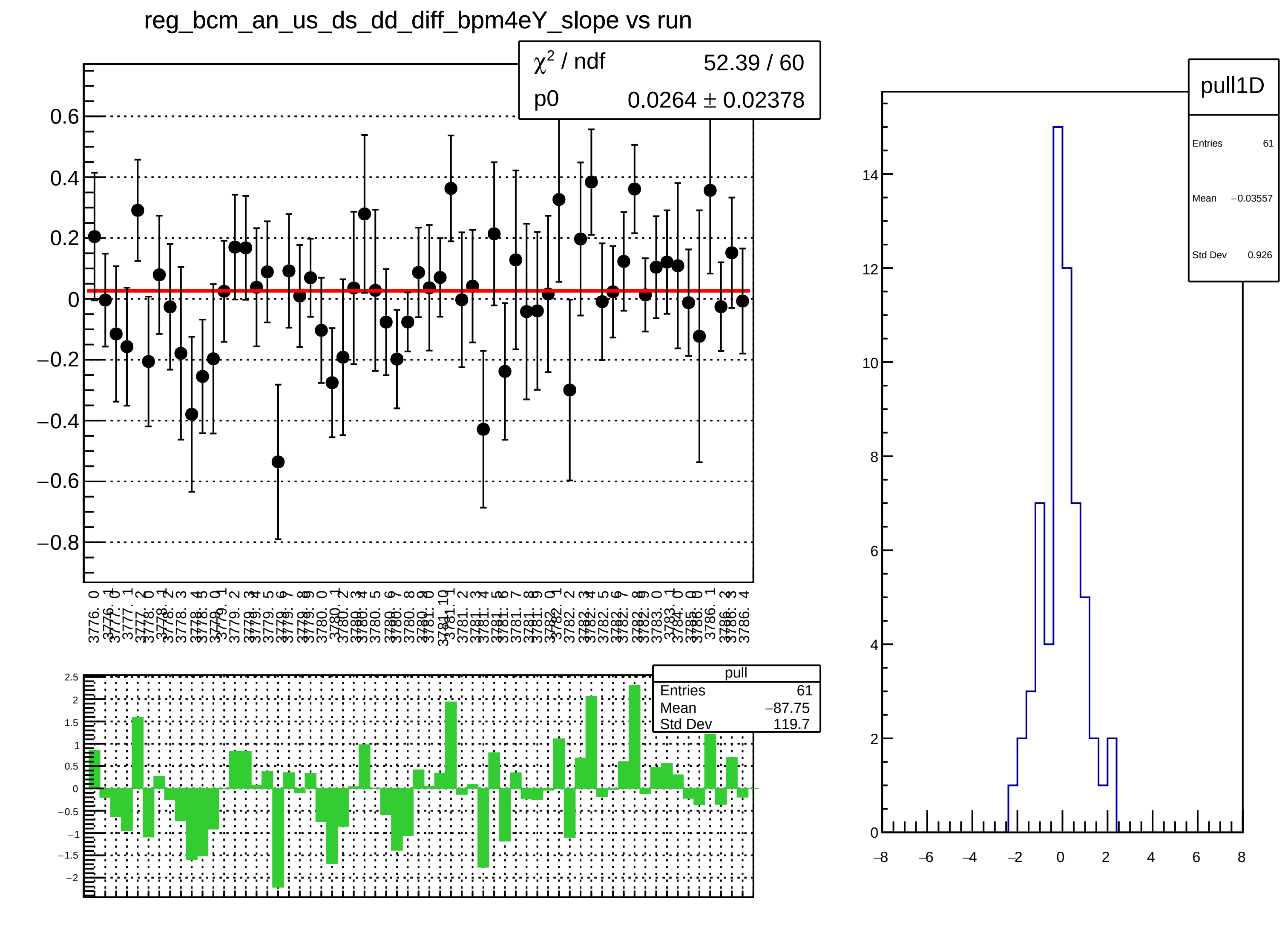

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ2 / ndf 45.23 / 60
p0 −0.01576 ± 0.004333
pull
Entries 61
Mean 46.29
Std Dev 44.38
pull1D
Entries 61
Mean 0.021
Std Dev 0.8608


reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ2 / ndf 85.09 / 60
p0 −0.03051 ± 0.0209
pull
Entries 61
Mean −718.7
Std Dev 759.1
pull1D
Entries 61
Mean 0.00366
Std Dev 1.181

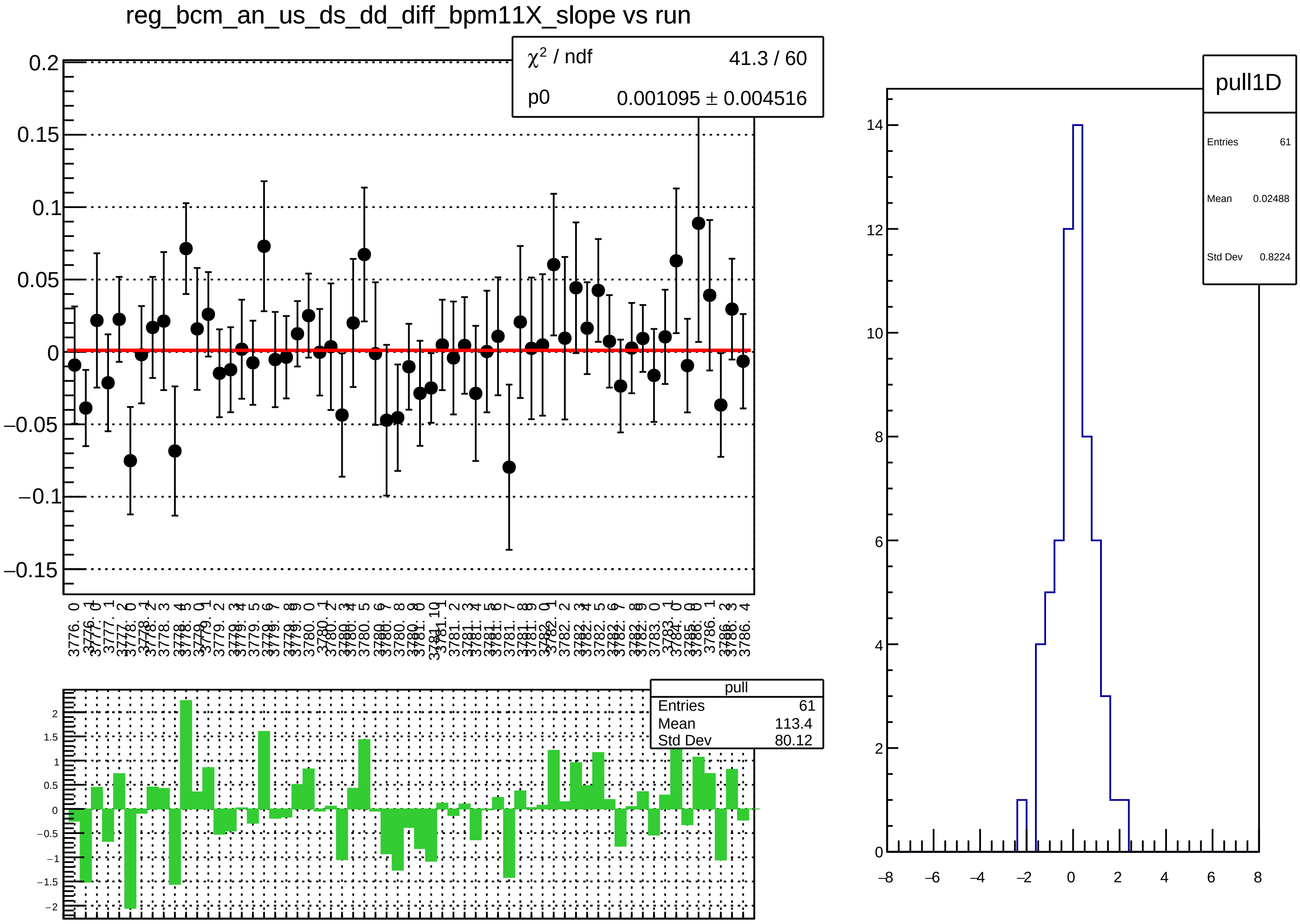


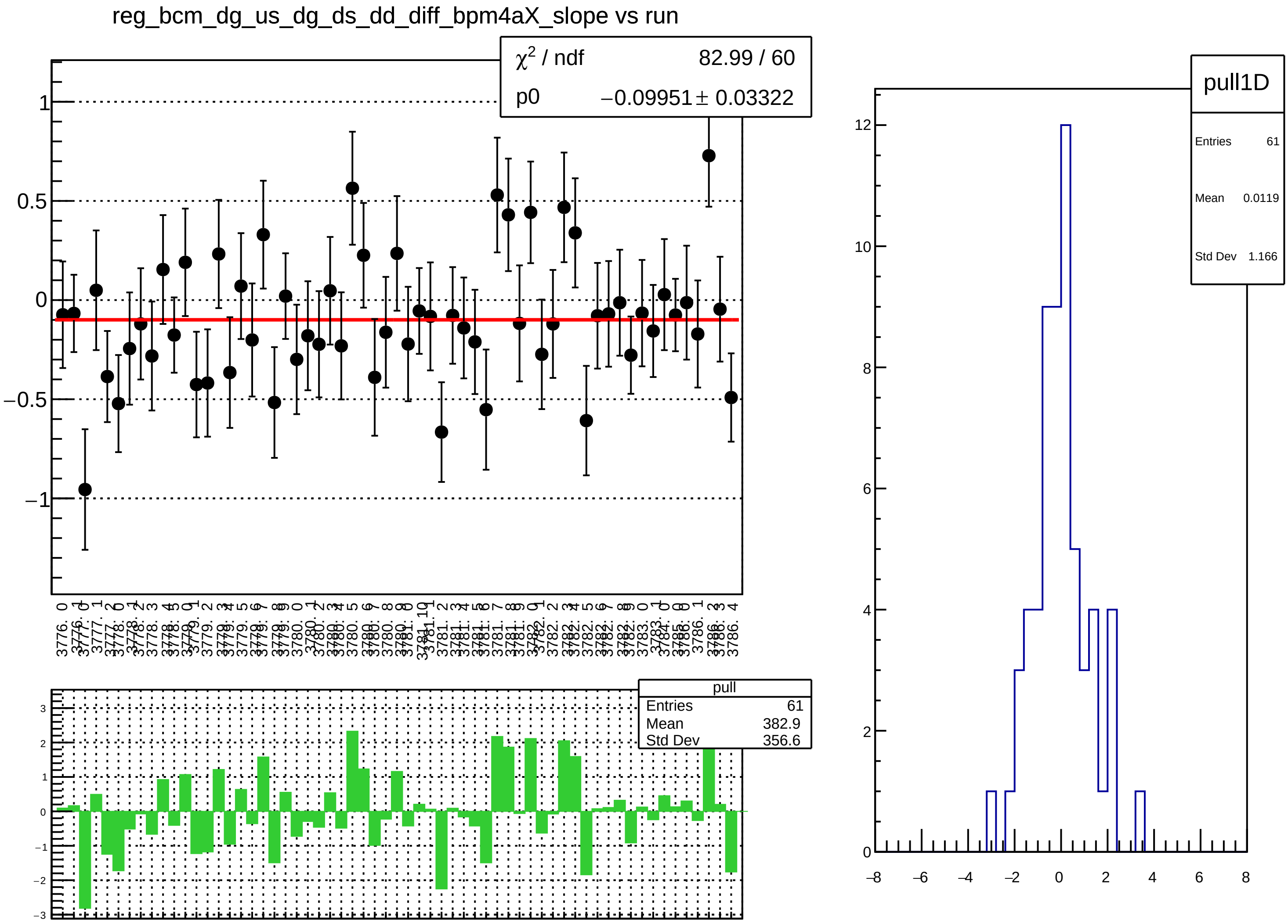
reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.4 / 60
p0 −0.02704 ± 0.01525
pull
Entries 61
Mean −71.47
Std Dev 103.3
pull1D
Entries 61
Mean 0.03401
Std Dev 0.8525

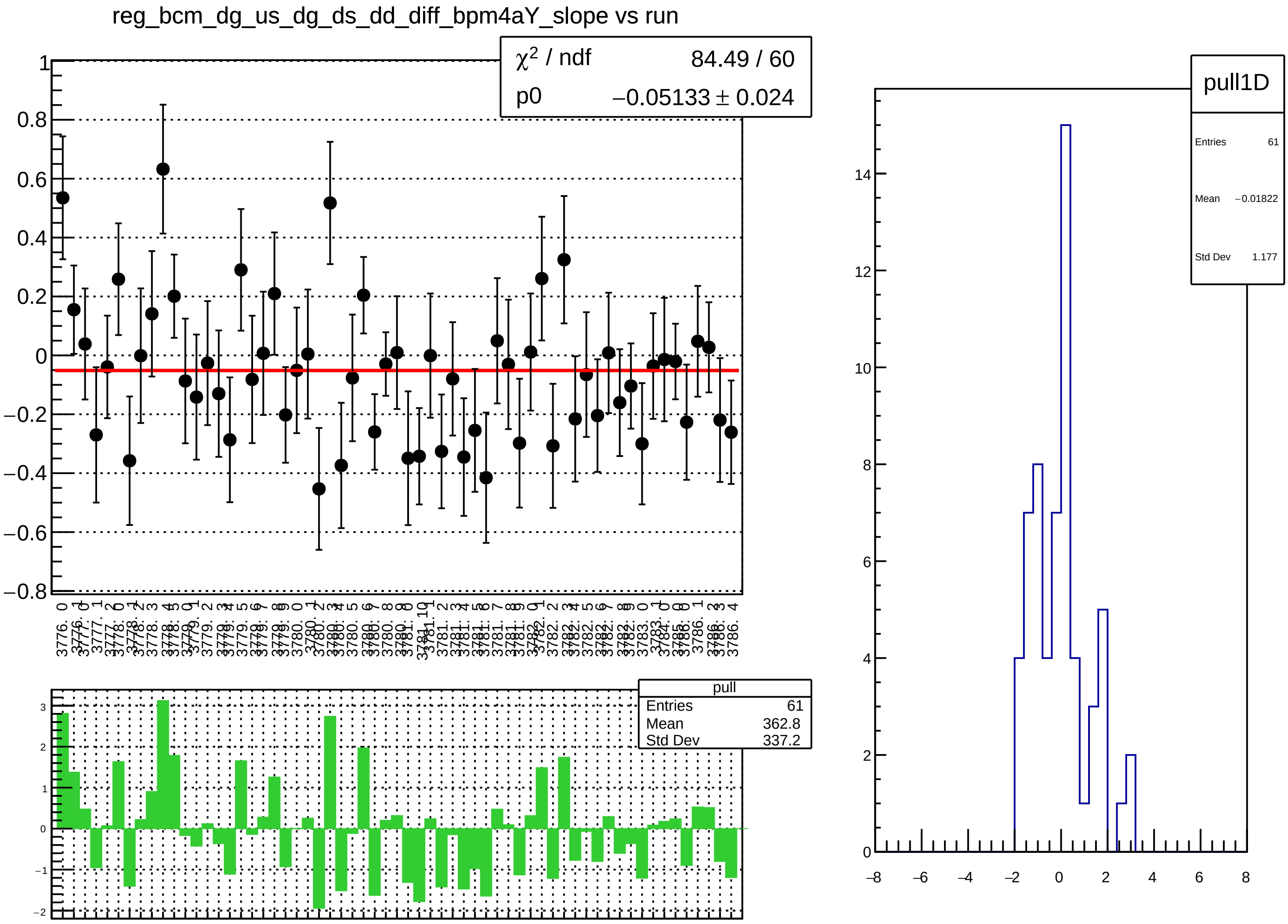

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 74.62 / 60
p0 0.02482 ± 0.004083
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 61
Mean −366.7
Std Dev 402.7
3
2
1
0
−1
−2
pull1D
Entries 61
Mean −0.007721
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



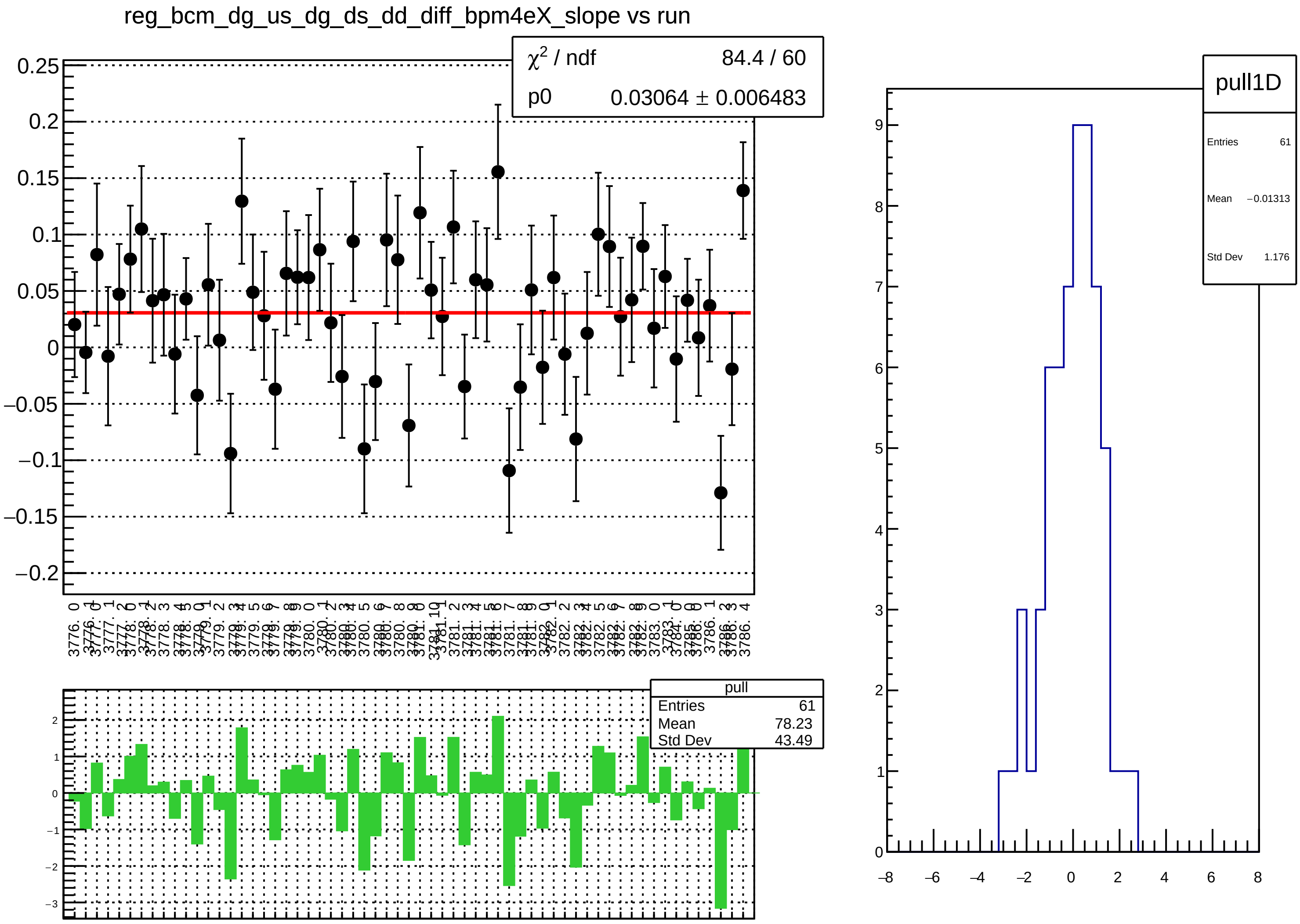
reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 52.39 / 60
p0 0.0264 ± 0.02378
pull
Entries 61
Mean −87.75
Std Dev 119.7
pull1D
Entries 61
Mean −0.03557
Std Dev 0.926

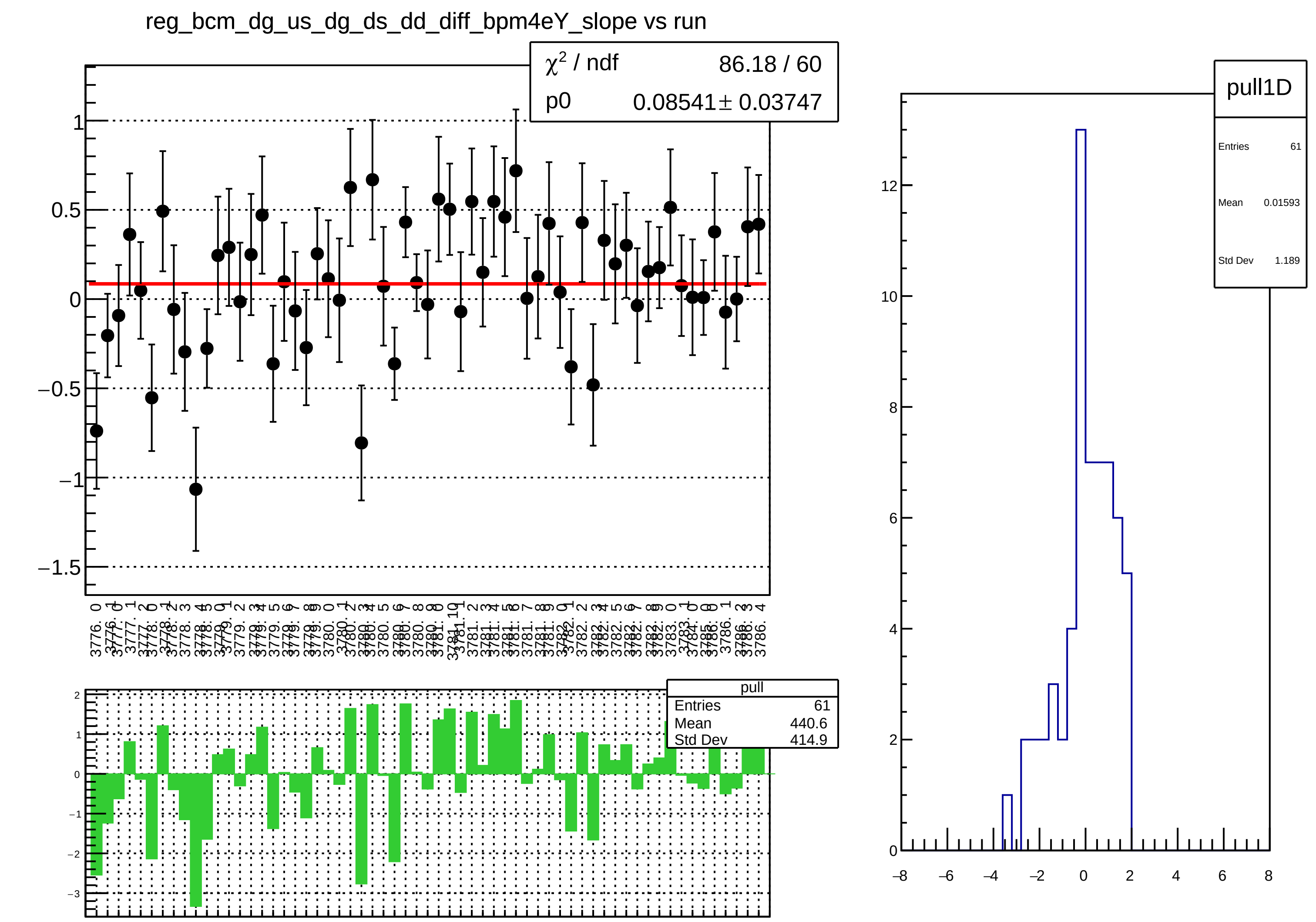

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ2 / ndf 41.3 / 60
p0 0.001095 ± 0.004516
pull
Entries 61
Mean 113.4
Std Dev 80.12
pull1D
Entries 61
Mean 0.02488
Std Dev 0.8224


reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 82.99 / 60
p0 −0.09951 ± 0.03322
pull
Entries 61
Mean 382.9
Std Dev 356.6
pull1D
Entries 61
Mean 0.0119
Std Dev 1.166

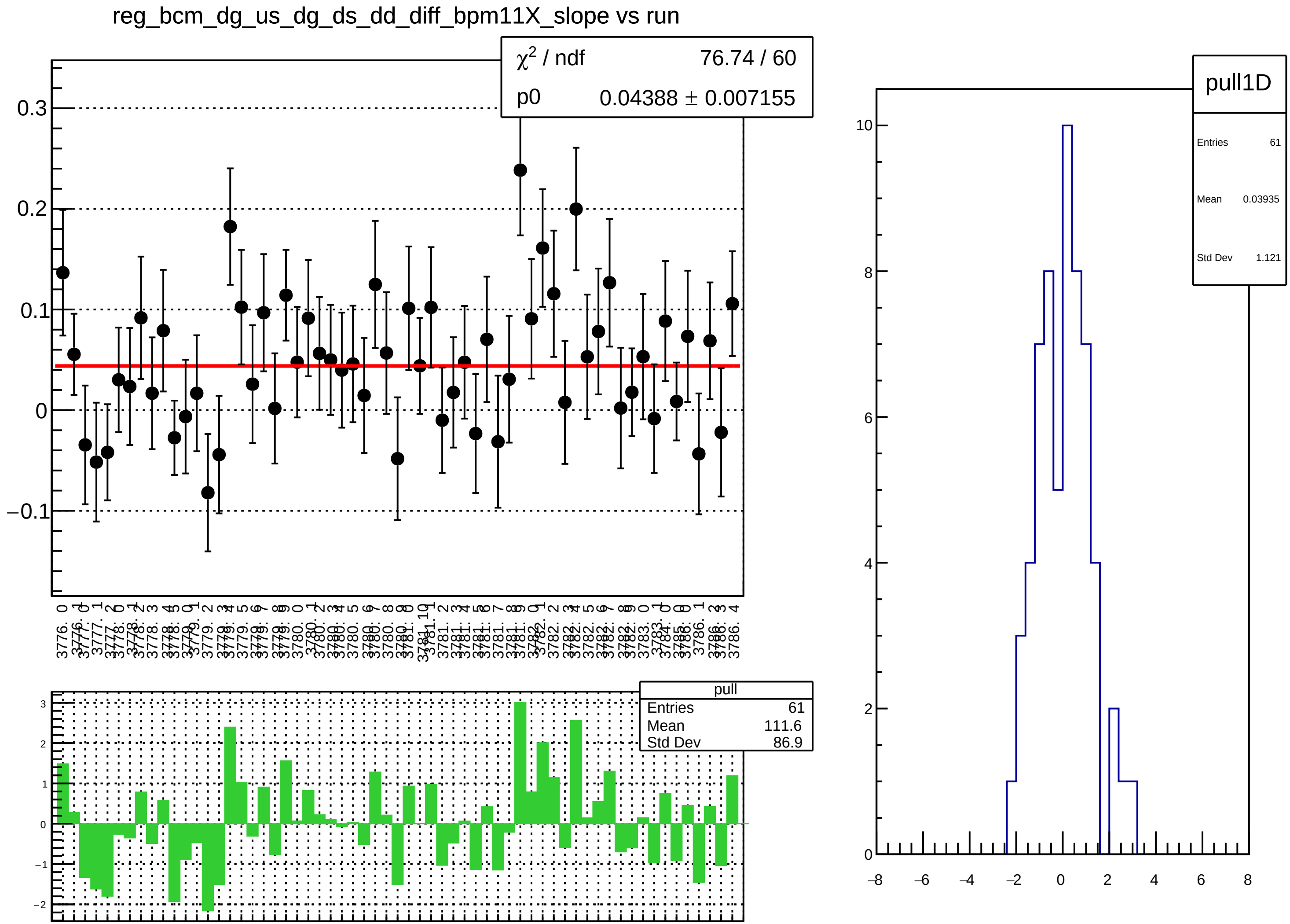


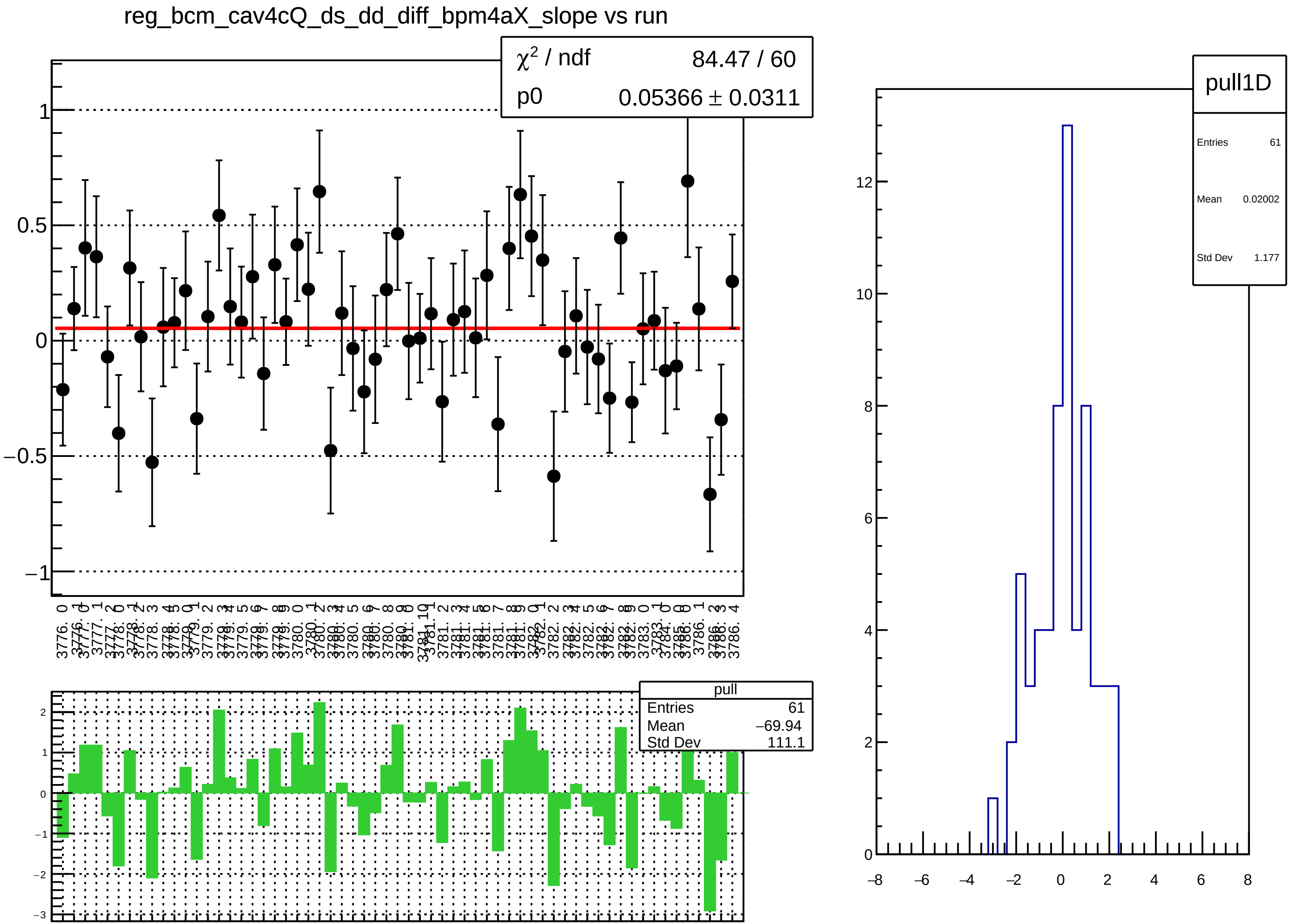
reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 84.49 / 60
p0 −0.05133 ± 0.024
pull
Entries 61
Mean 362.8
Std Dev 337.2
pull1D
Entries 61
Mean −0.01822
Std Dev 1.177


reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ2 / ndf 84.4 / 60
p0 0.03064 ± 0.006483
pull
Entries 61
Mean 78.23
Std Dev 43.49
pull1D
Entries 61
Mean −0.01313
Std Dev 1.176

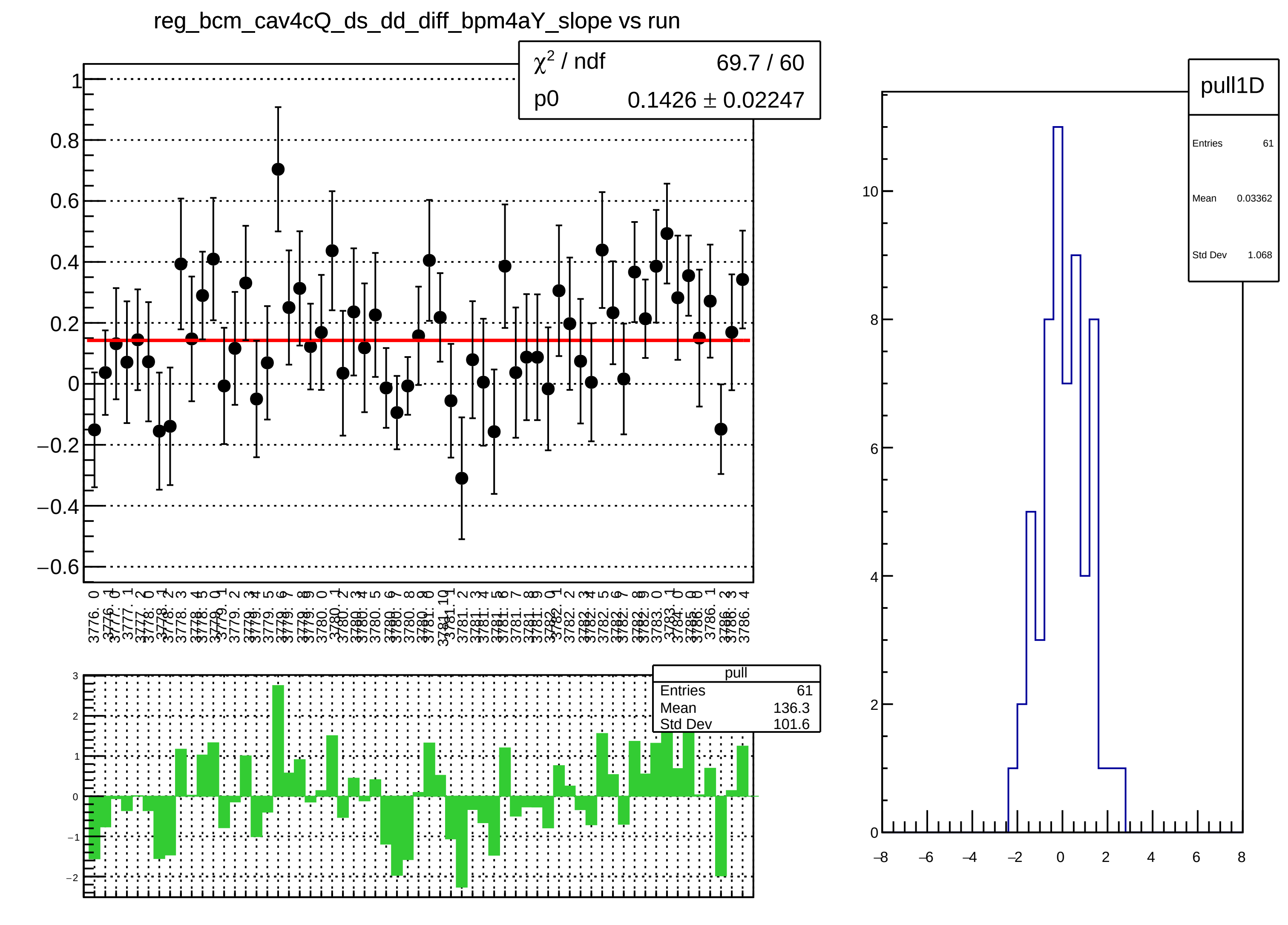


reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ2 / ndf 86.18 / 60
p0 0.08541 ± 0.03747
pull
Entries 61
Mean 440.6
Std Dev 414.9
pull1D
Entries 61
Mean 0.01593
Std Dev 1.189

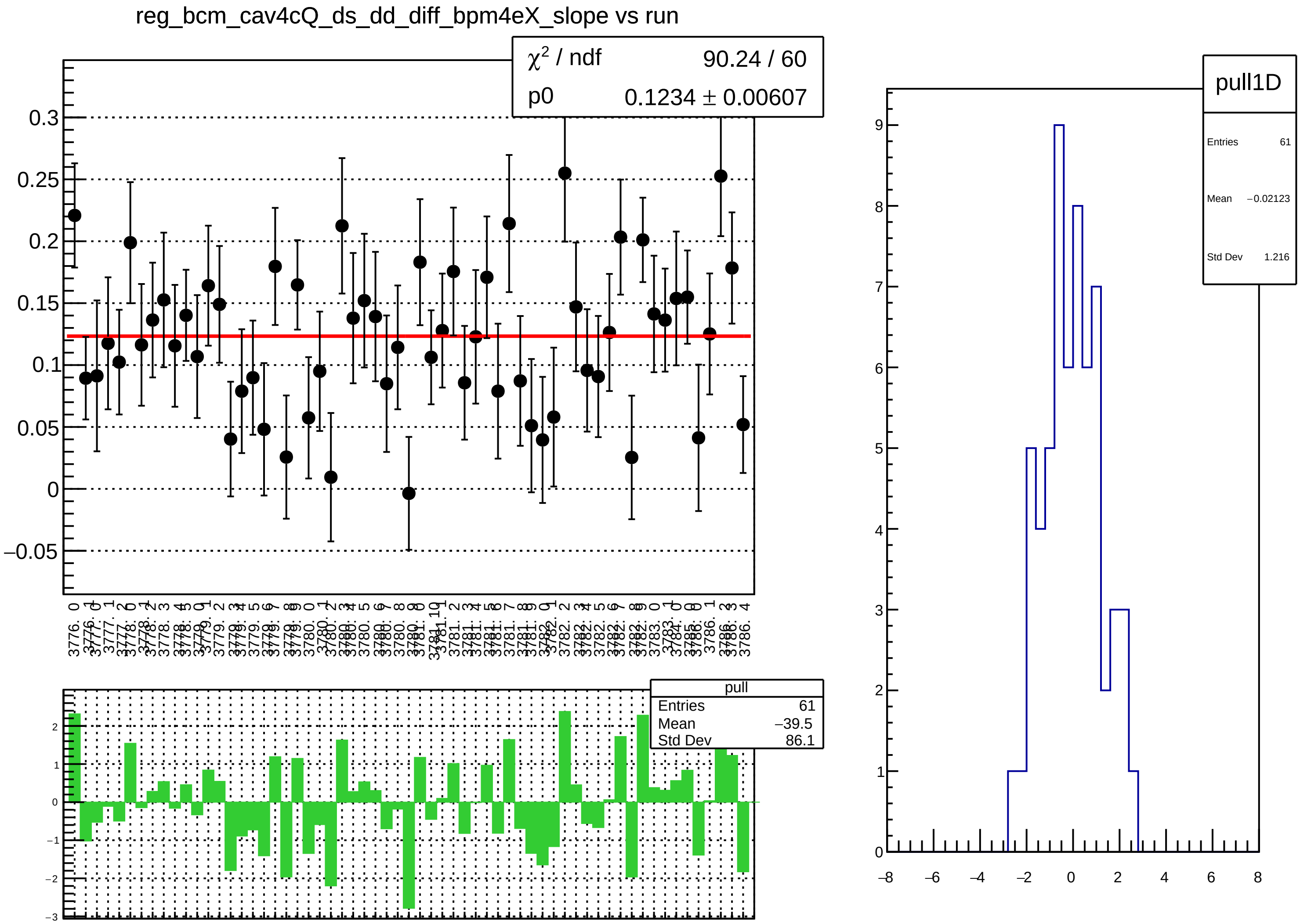

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 76.74 / 60
p0 0.04388 ± 0.007155
pull
Entries 61
Mean 111.6
Std Dev 86.9
pull1D
Entries 61
Mean 0.03935
Std Dev 1.121

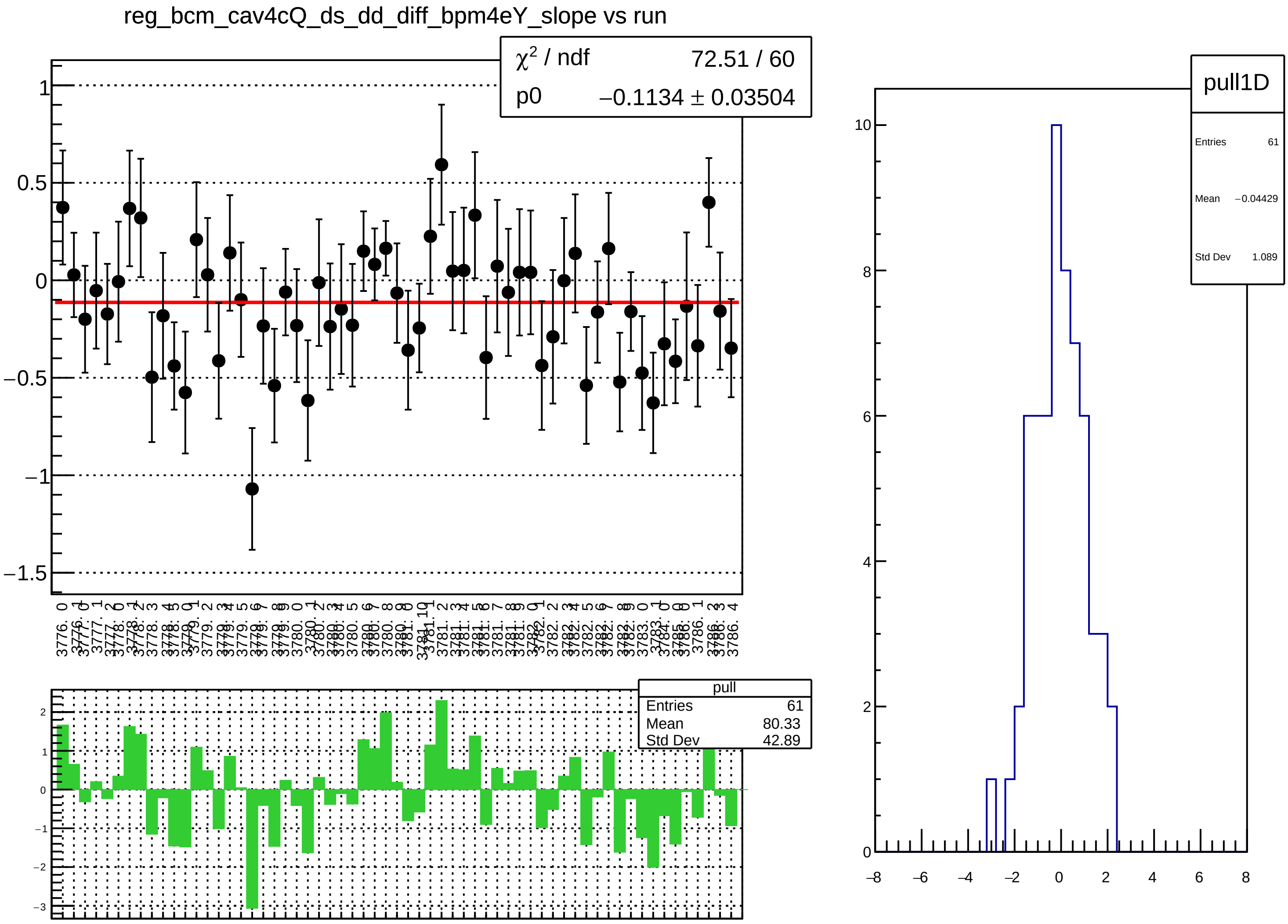


reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 84.47 / 60
p0 0.05366 ± 0.0311
pull
Entries 61
Mean −69.94
Std Dev 111.1
pull1D
Entries 61
Mean 0.02002
Std Dev 1.177

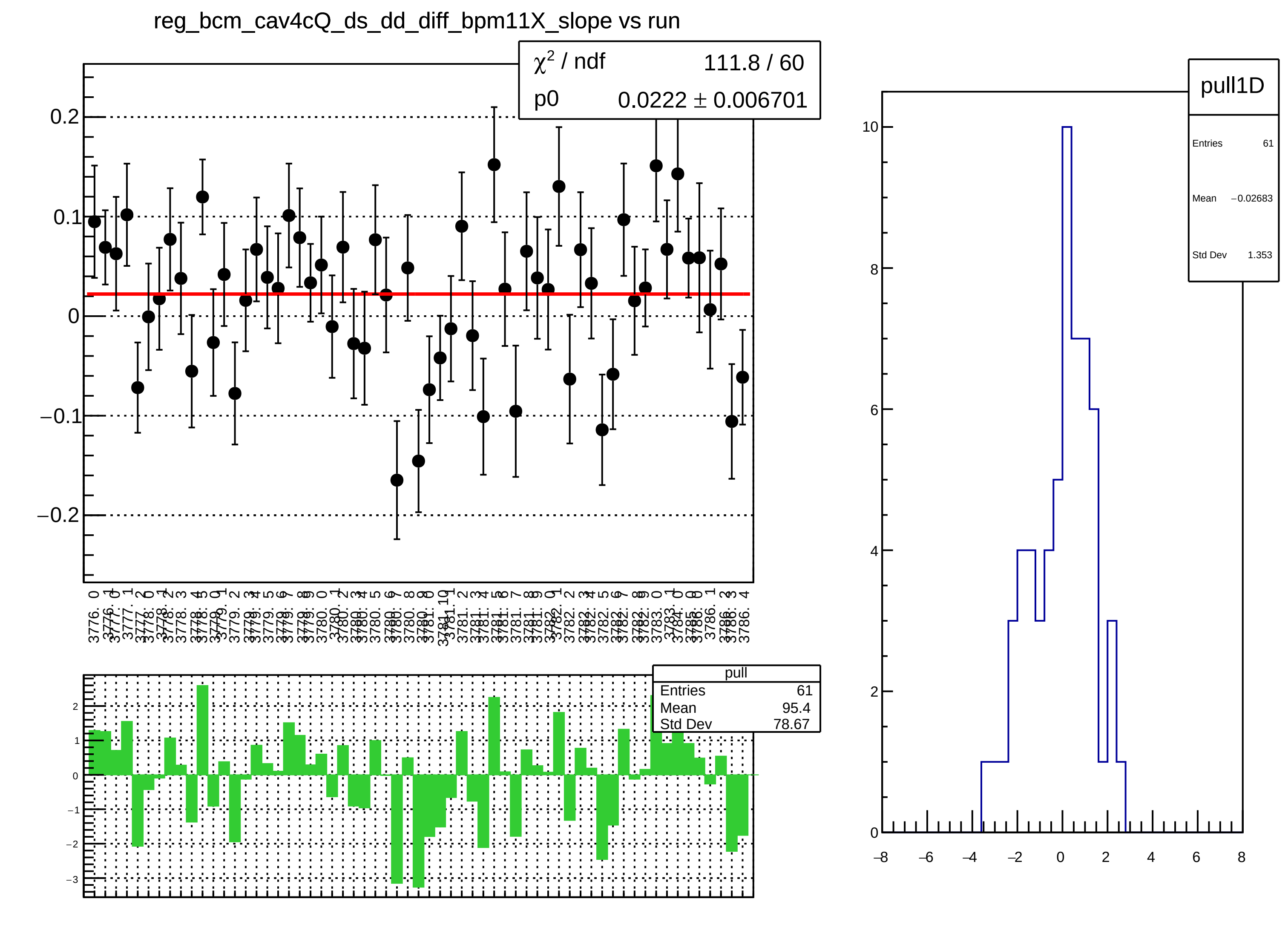


reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 69.7 / 60
p0 0.1426 ± 0.02247
pull
Entries 61
Mean 136.3
Std Dev 101.6
pull1D
Entries 61
Mean 0.03362
Std Dev 1.068

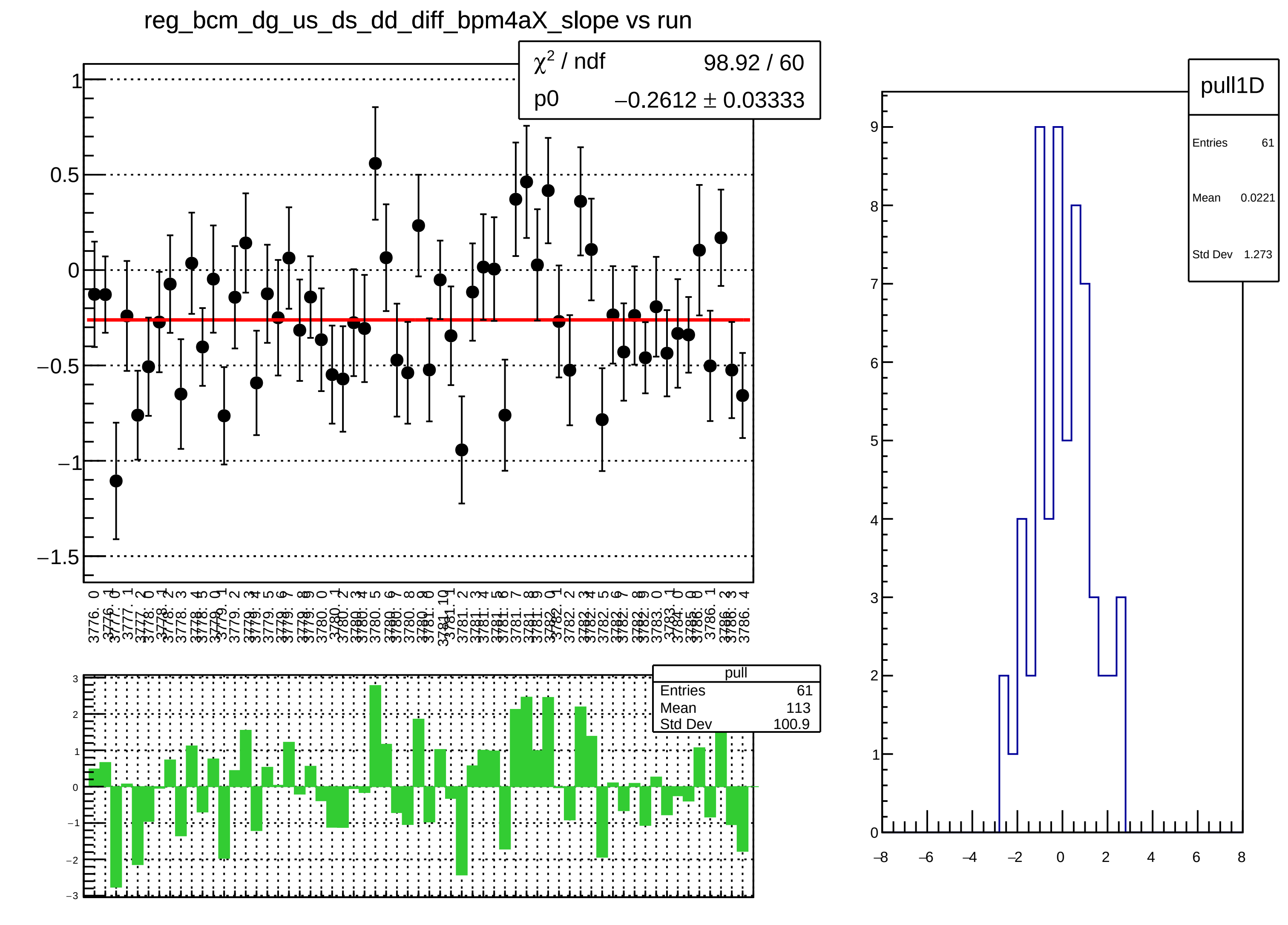

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 90.24 / 60
p0 0.1234 ± 0.00607
pull
Entries 61
Mean −39.5
Std Dev 86.1
pull1D
Entries 61
Mean −0.02123
Std Dev 1.216



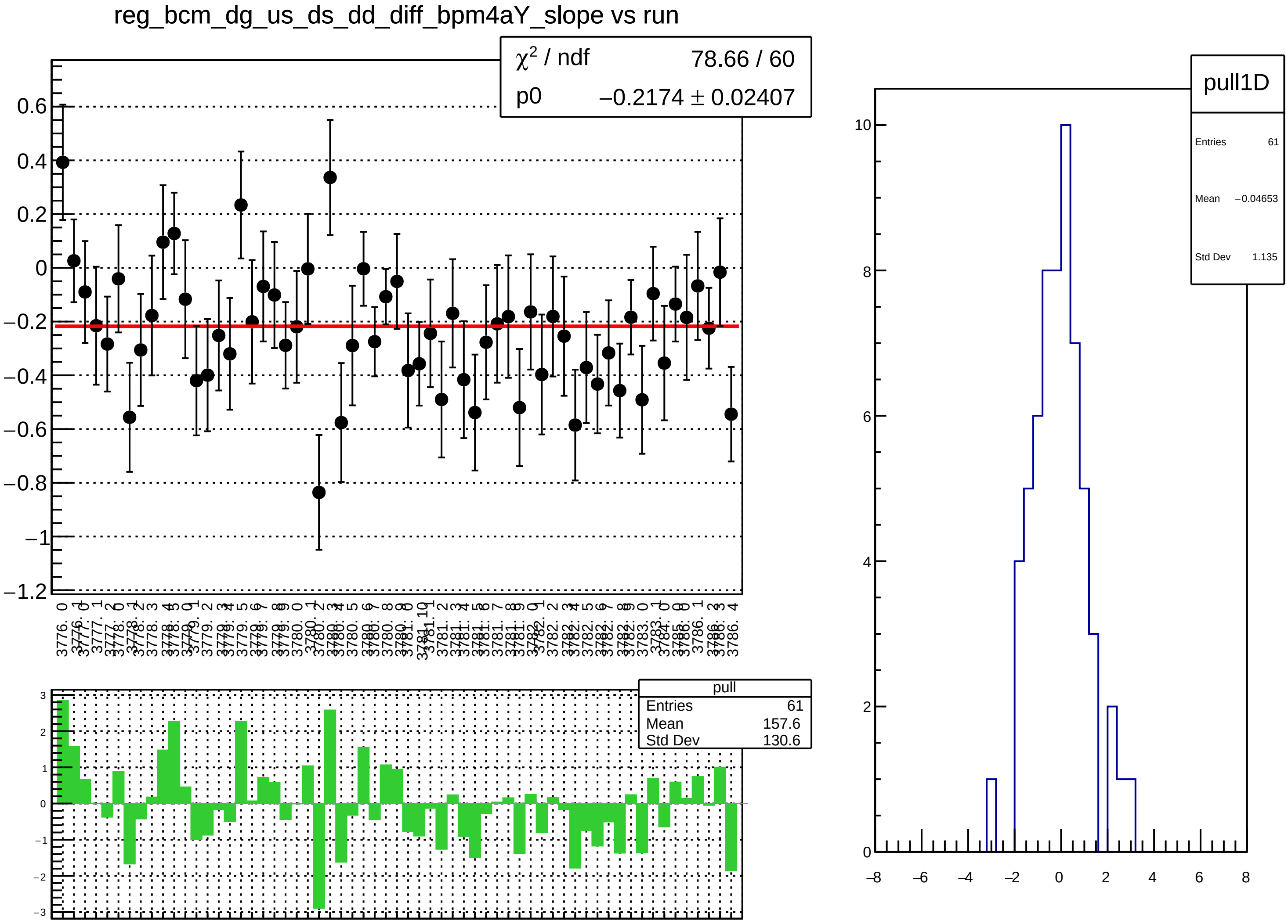
reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 72.51 / 60
p0 −0.1134 ± 0.03504
pull
Entries 61
Mean 80.33
Std Dev 42.89
pull1D
Entries 61
Mean −0.04429
Std Dev 1.089

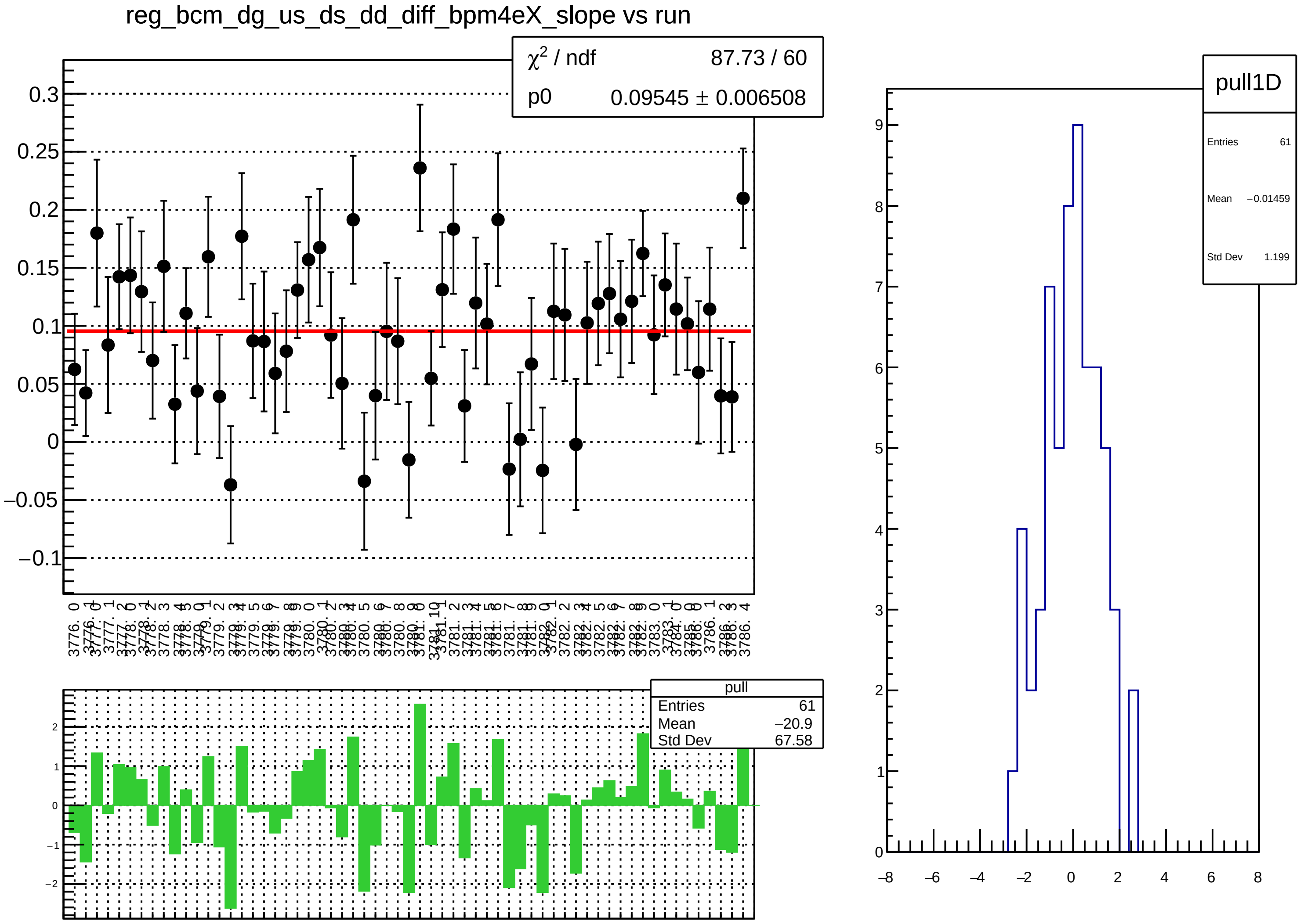


reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ2 / ndf 111.8 / 60
p0 0.0222 ± 0.006701
pull
Entries 61
Mean 95.4
Std Dev 78.67
pull1D
Entries 61
Mean −0.02683
Std Dev 1.353

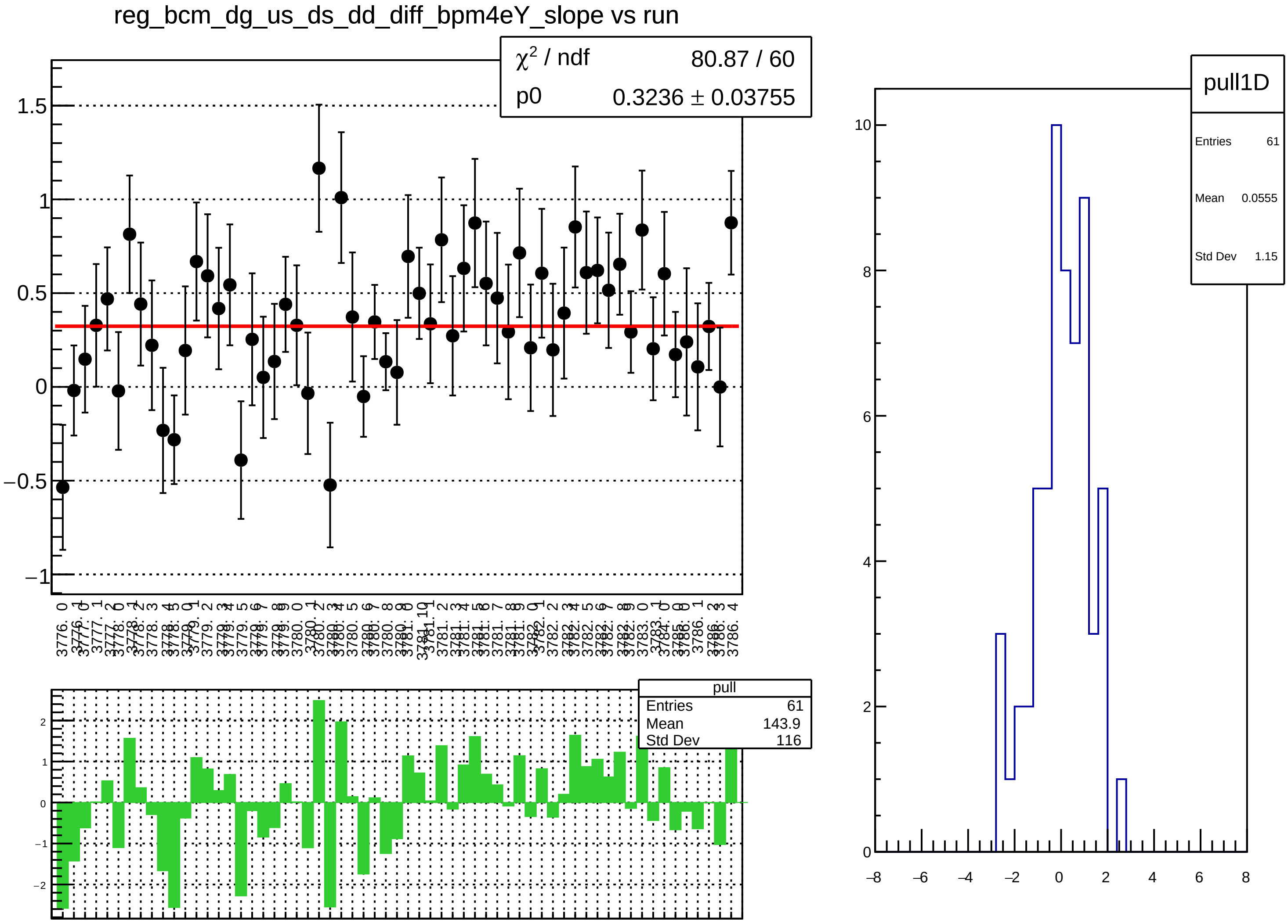


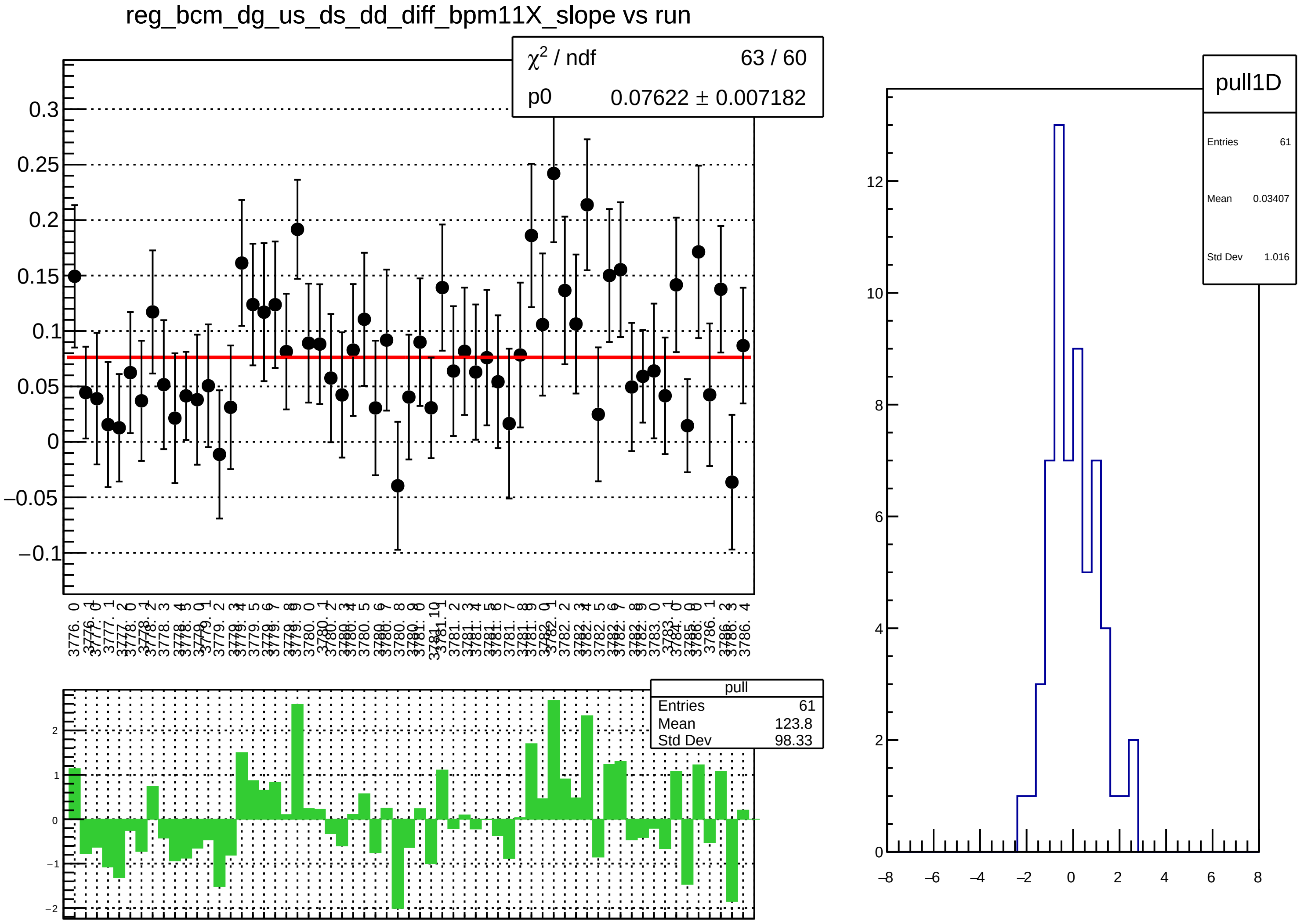
reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 98.92 / 60
p0 −0.2612 ± 0.03333
pull
Entries 61
Mean 113
Std Dev 100.9
pull1D
Entries 61
Mean 0.0221
Std Dev 1.273

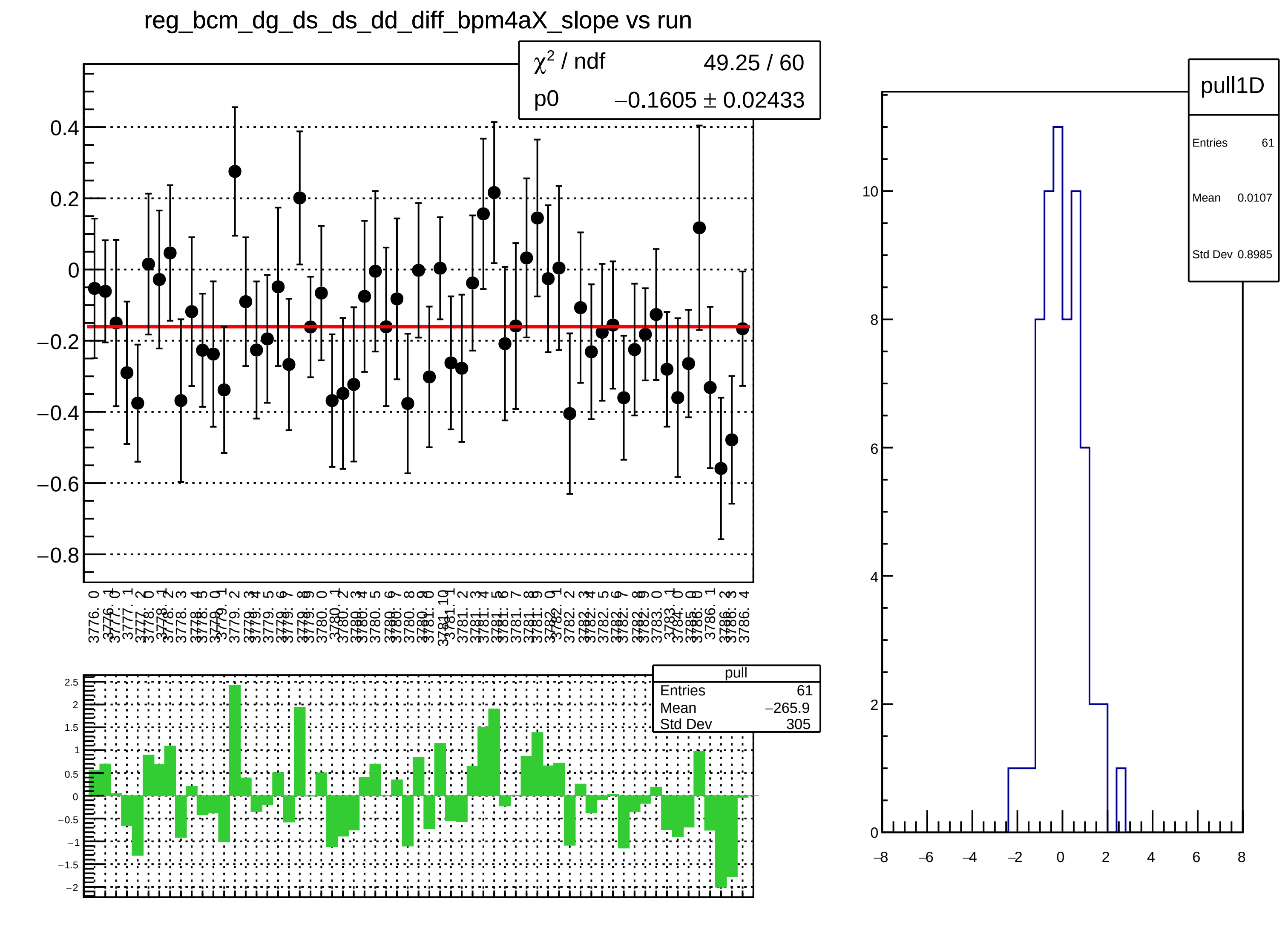

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ2 / ndf 78.66 / 60
p0 −0.2174 ± 0.02407
pull
Entries 61
Mean 157.6
Std Dev 130.6
pull1D
Entries 61
Mean −0.04653
Std Dev 1.135



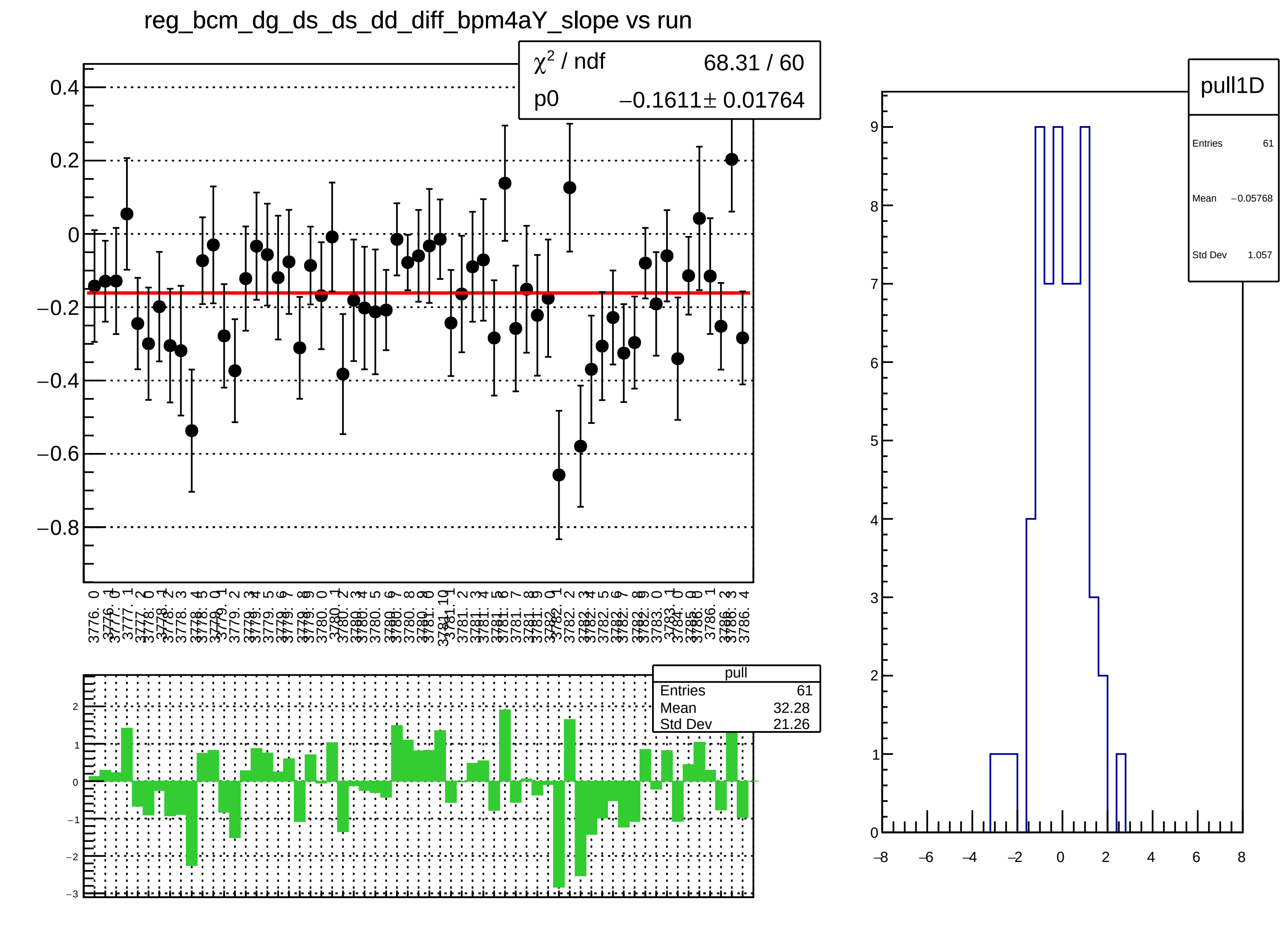
reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 87.73 / 60
p0 0.09545 ± 0.006508
pull
Entries 61
Mean −20.9
Std Dev 67.58
pull1D
Entries 61
Mean −0.01459
Std Dev 1.199


reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 80.87 / 60
p0 0.3236 ± 0.03755
pull
Entries 61
Mean 143.9
Std Dev 116
pull1D
Entries 61
Mean 0.0555
Std Dev 1.15

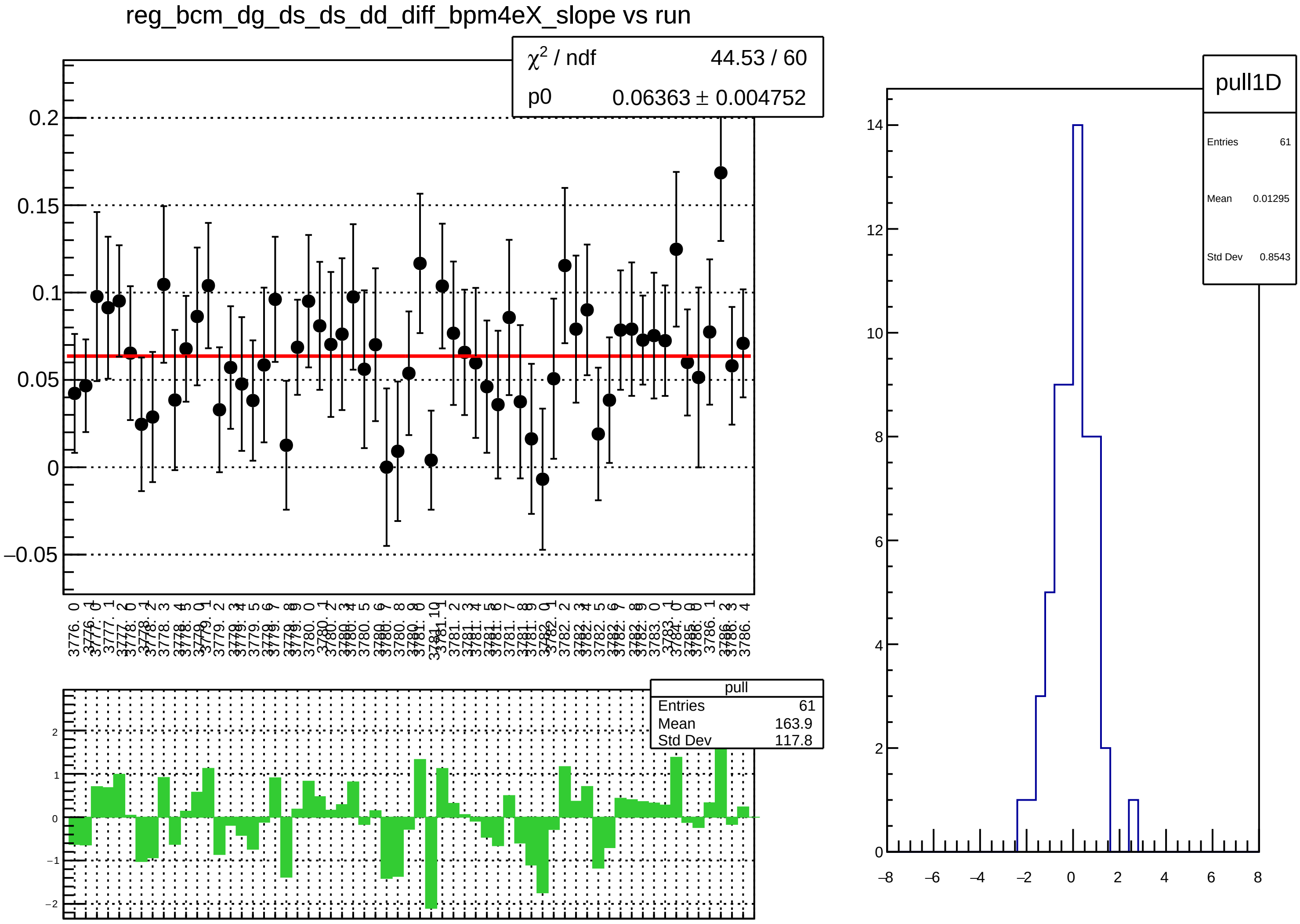

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 63 / 60
p0 0.07622 ± 0.007182
pull
Entries 61
Mean 123.8
Std Dev 98.33
pull1D
Entries 61
Mean 0.03407
Std Dev 1.016

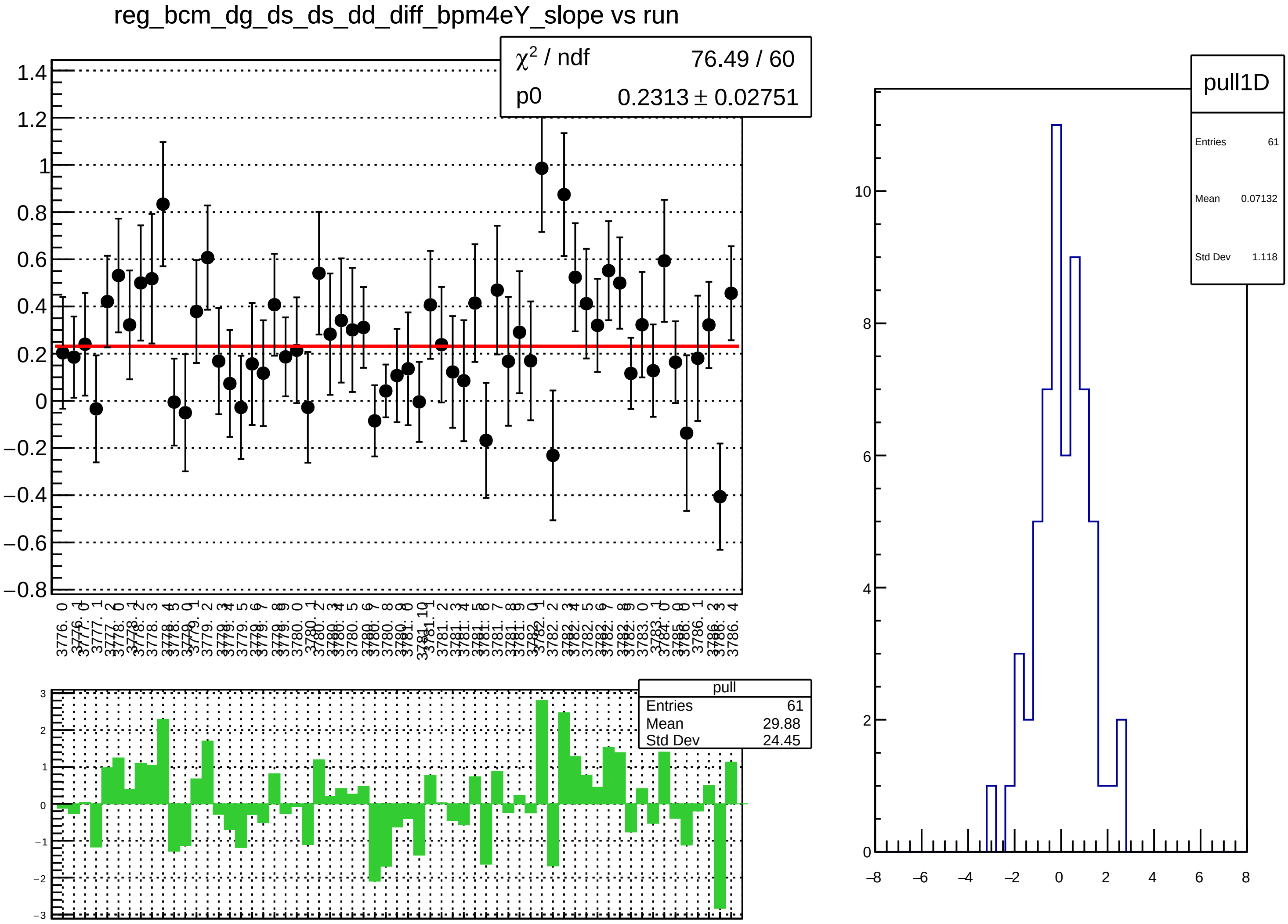


reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ2 / ndf 49.25 / 60
p0 −0.1605 ± 0.02433
pull
Entries 61
Mean −265.9
Std Dev 305
pull1D
Entries 61
Mean 0.0107
Std Dev 0.8985

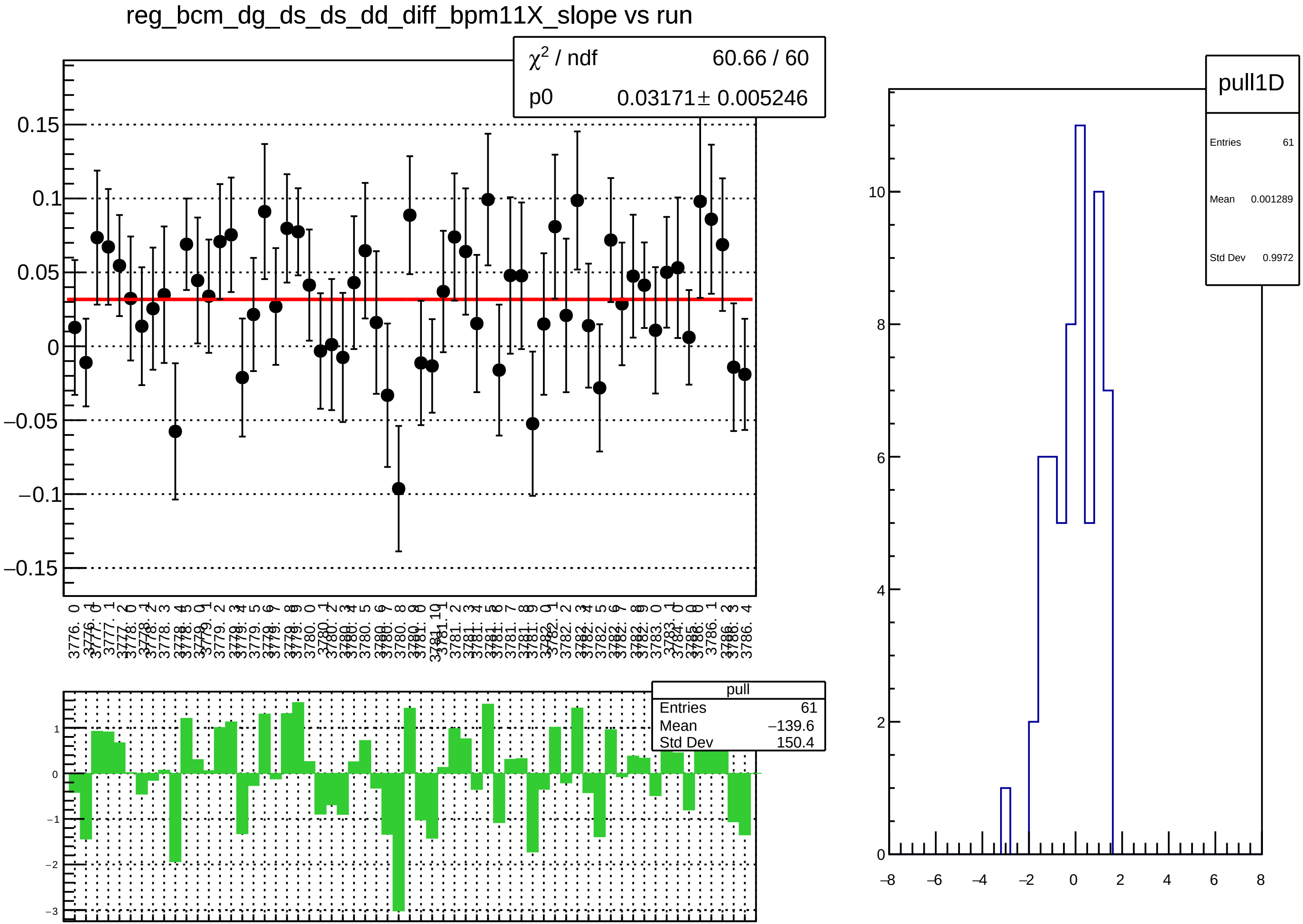


reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 68.31 / 60
p0 −0.1611 ± 0.01764
pull
Entries 61
Mean 32.28
Std Dev 21.26
pull1D
Entries 61
Mean −0.05768
Std Dev 1.057


reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ2 / ndf 44.53 / 60
p0 0.06363 ± 0.004752
pull
Entries 61
Mean 163.9
Std Dev 117.8
pull1D
Entries 61
Mean 0.01295
Std Dev 0.8543



reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 76.49 / 60
p0 0.2313 ± 0.02751
pull
Entries 61
Mean 29.88
Std Dev 24.45
pull1D
Entries 61
Mean 0.07132
Std Dev 1.118



reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 60.66 / 60
p0 0.03171 ± 0.005246
pull
Entries 61
Mean −139.6
Std Dev 150.4
pull1D
Entries 61
Mean 0.001289
Std Dev 0.9972