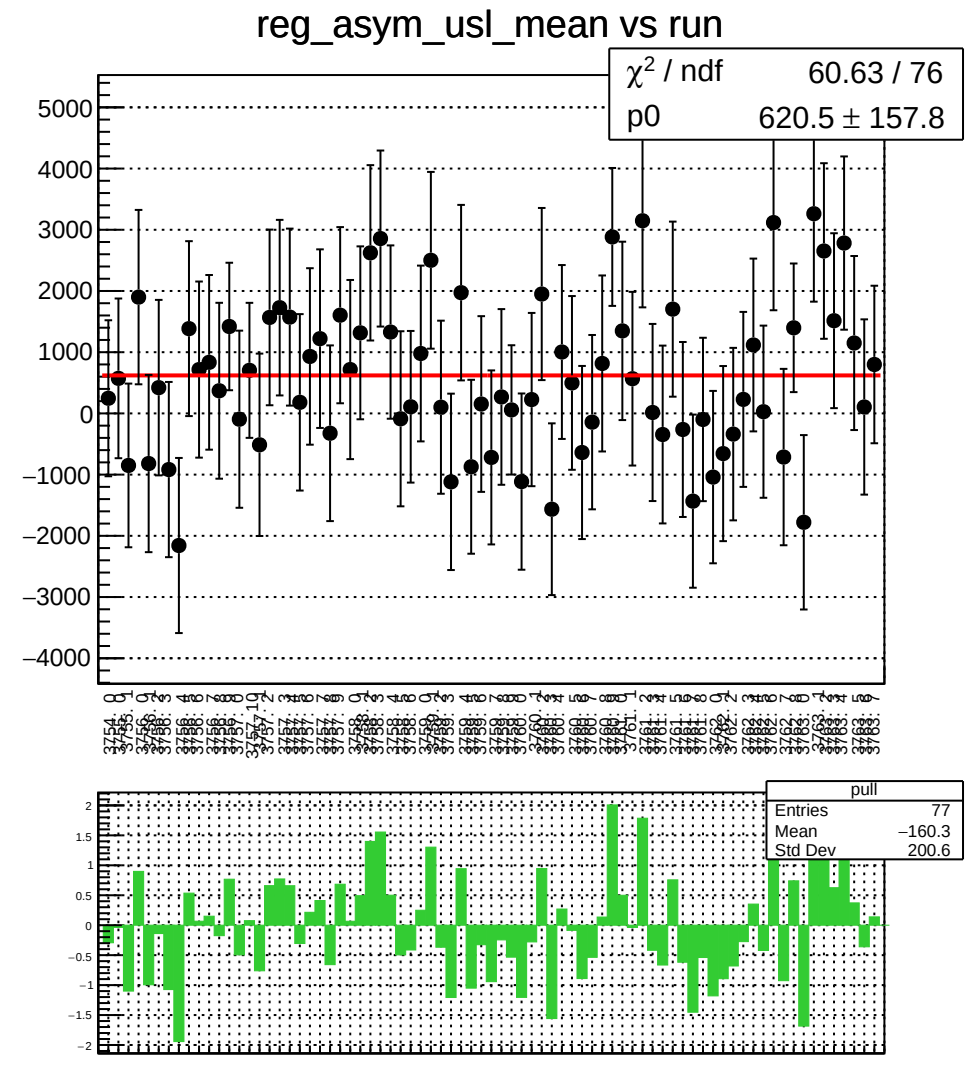
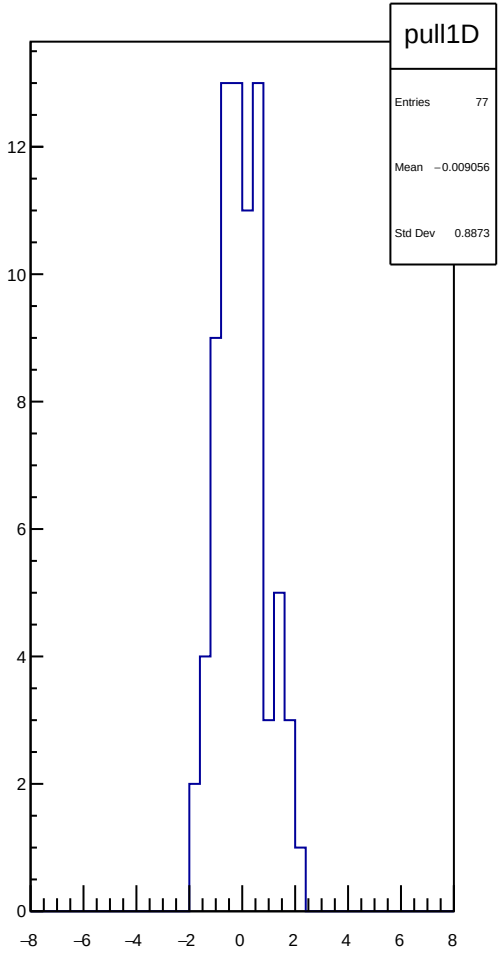
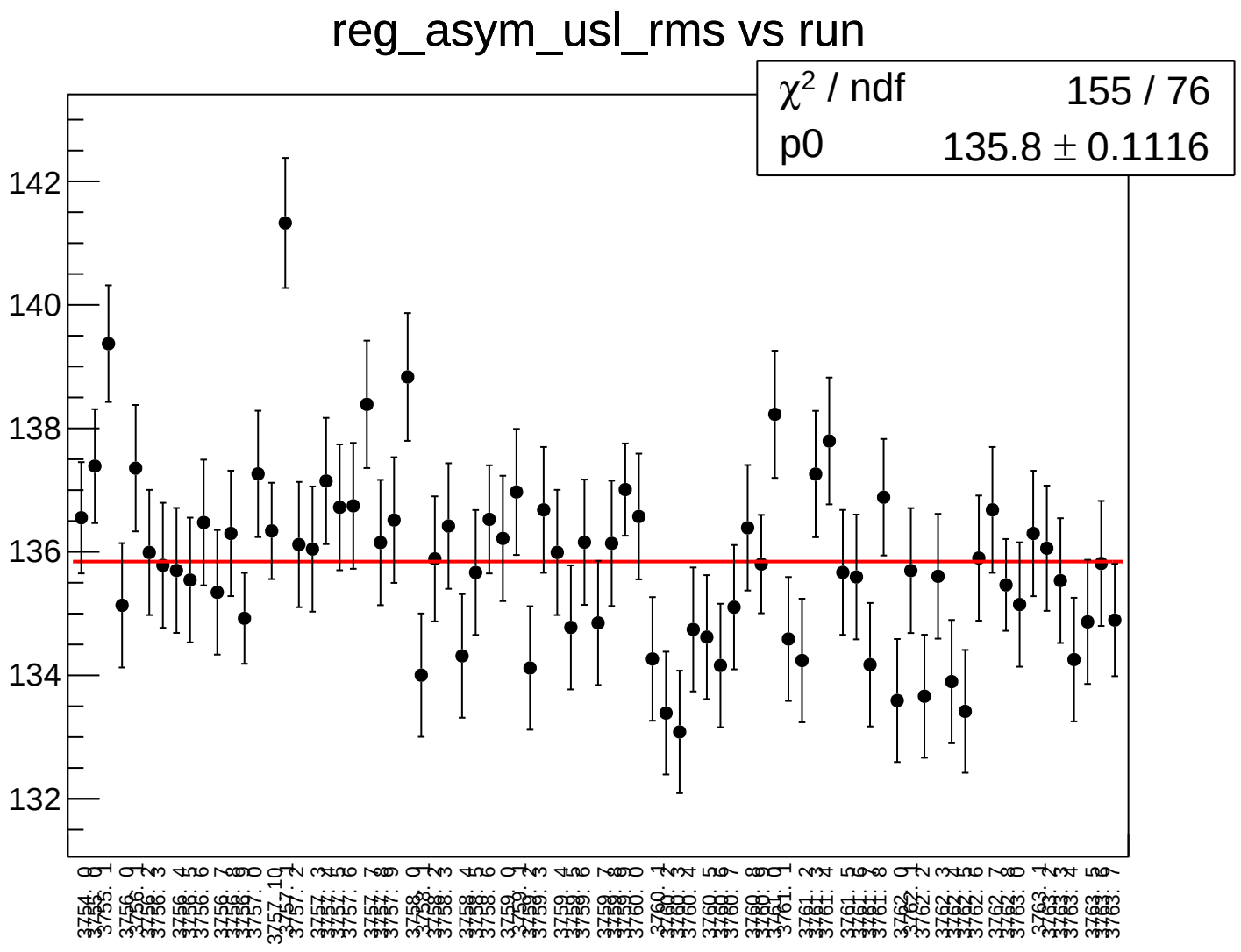
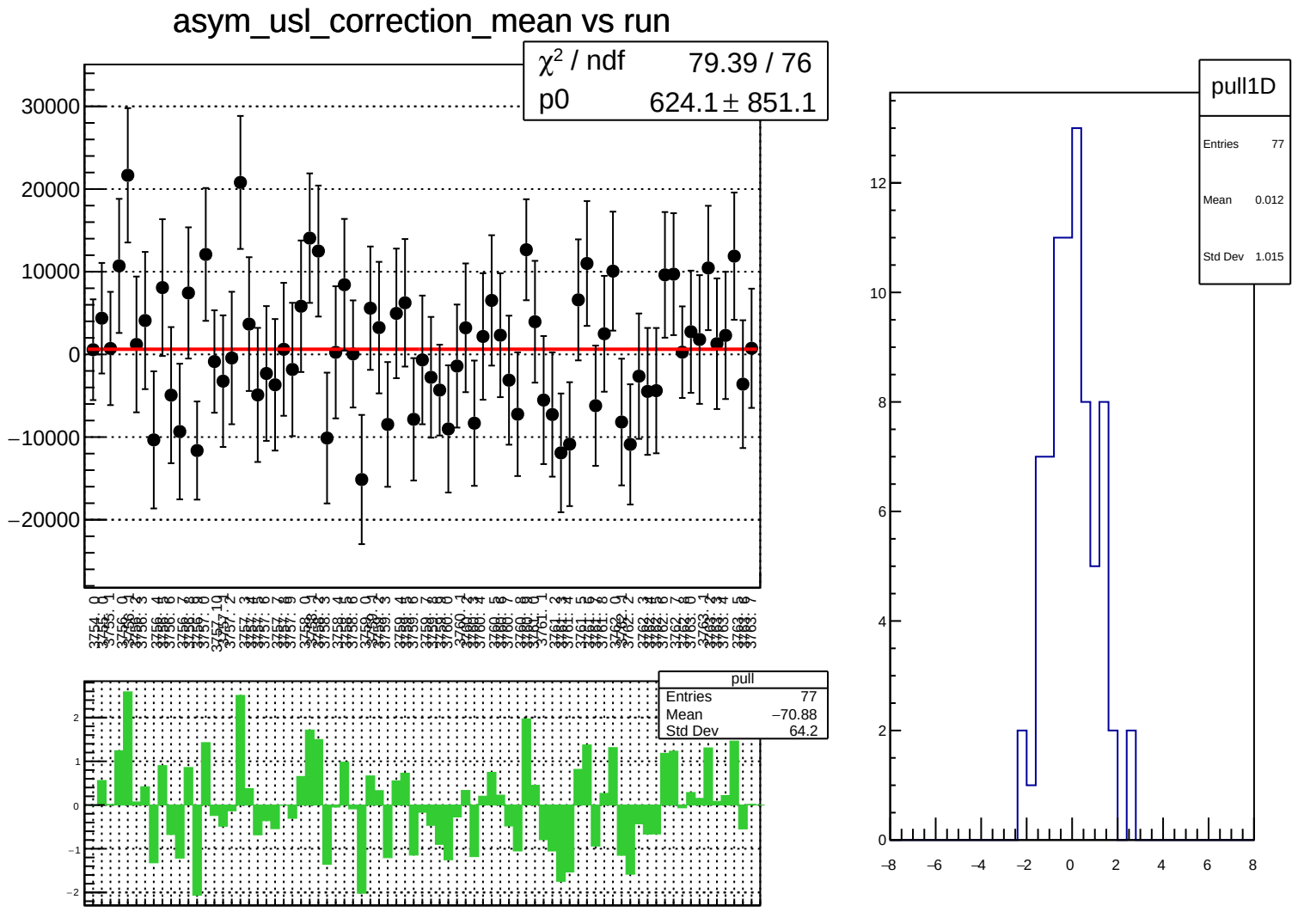
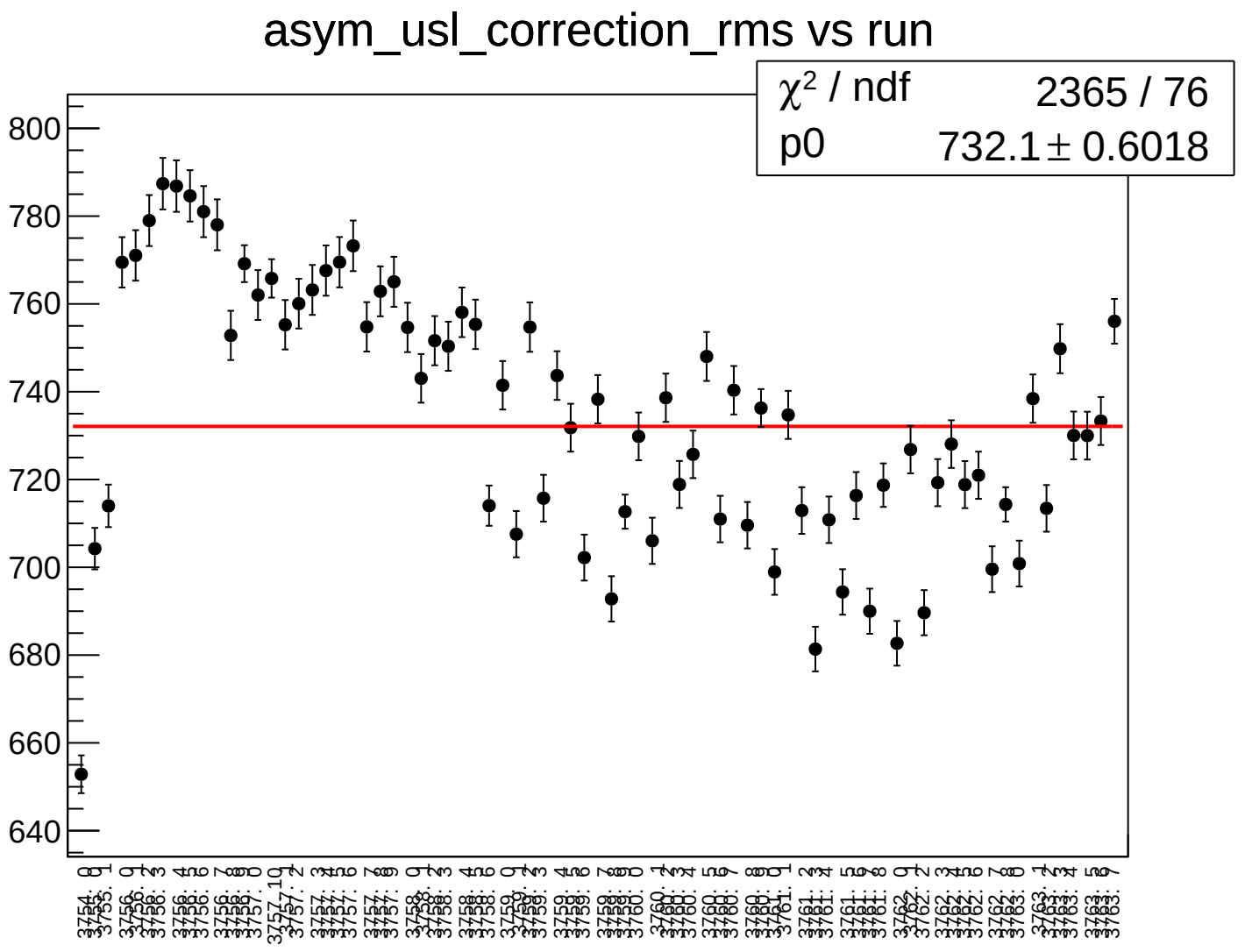
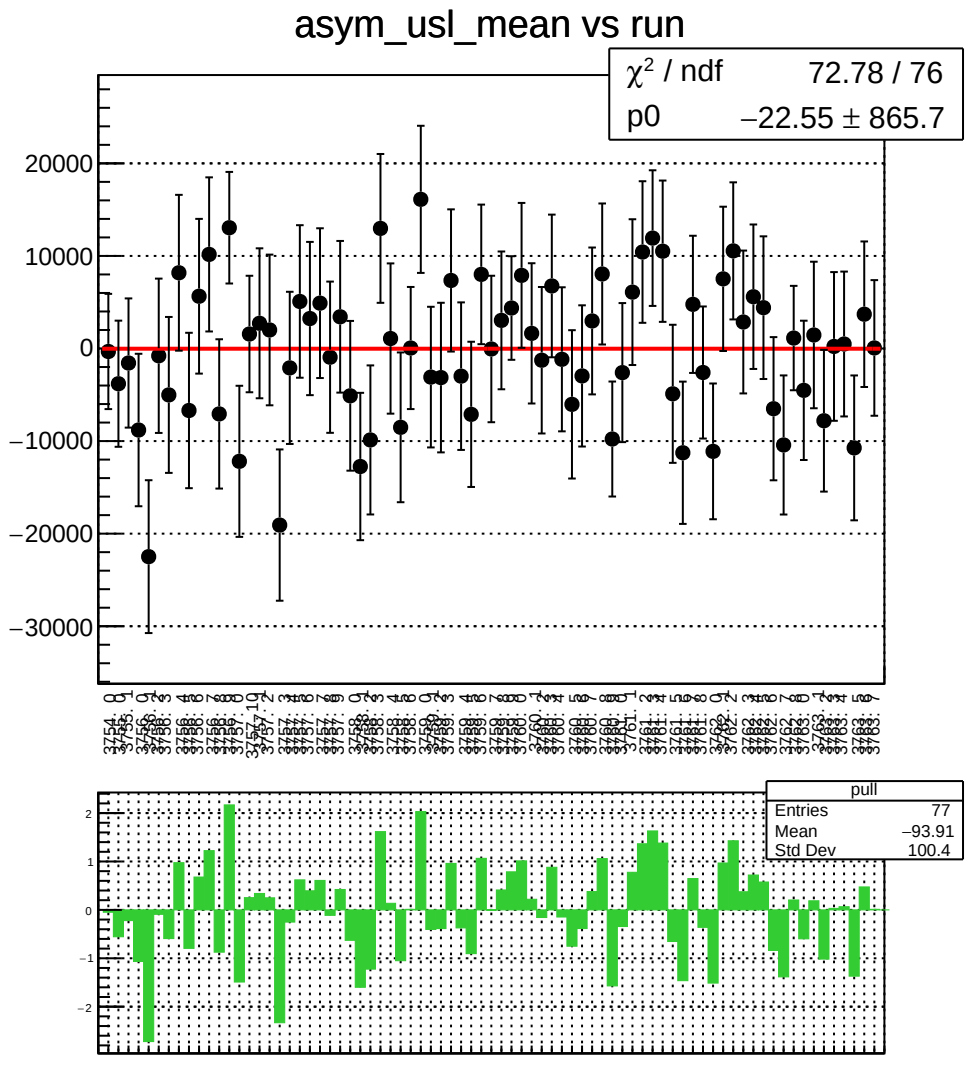

reg_asym_usl_mean vs run
χ² / ndf 60.63 / 76
p0 620.5 ± 157.8
pull
Entries 77
Mean −160.3
Std Dev 200.6

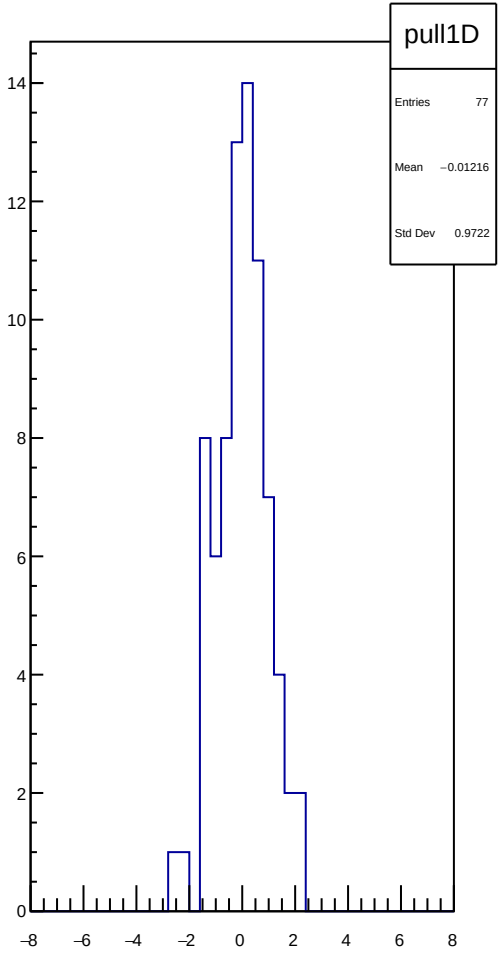

pull1D
Entries 77
Mean −0.009056
Std Dev 0.8873

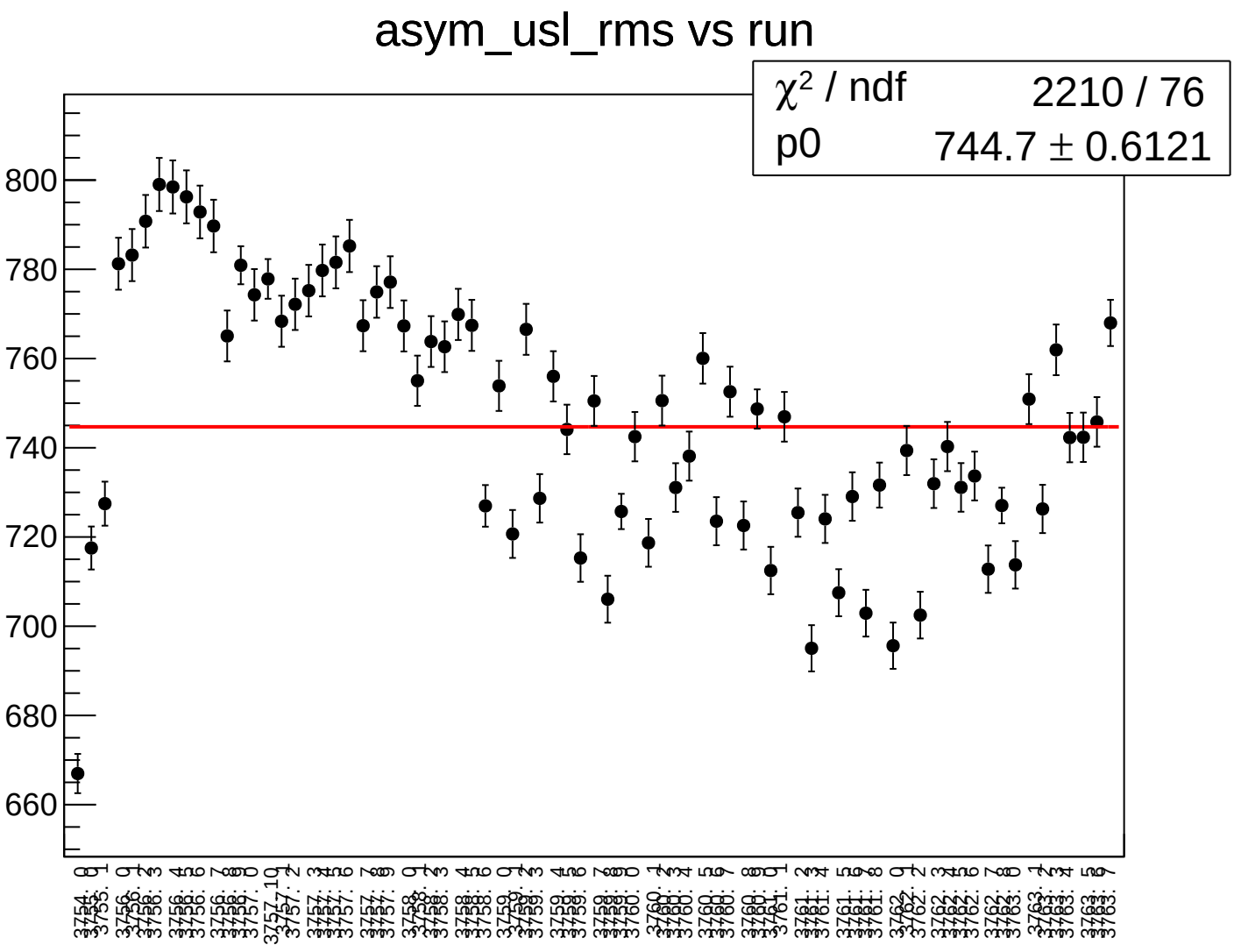

reg_asym_usl_rms vs run
χ² / ndf 155 / 76
p0 135.8 ± 0.1116
142
140
138
136
134
132

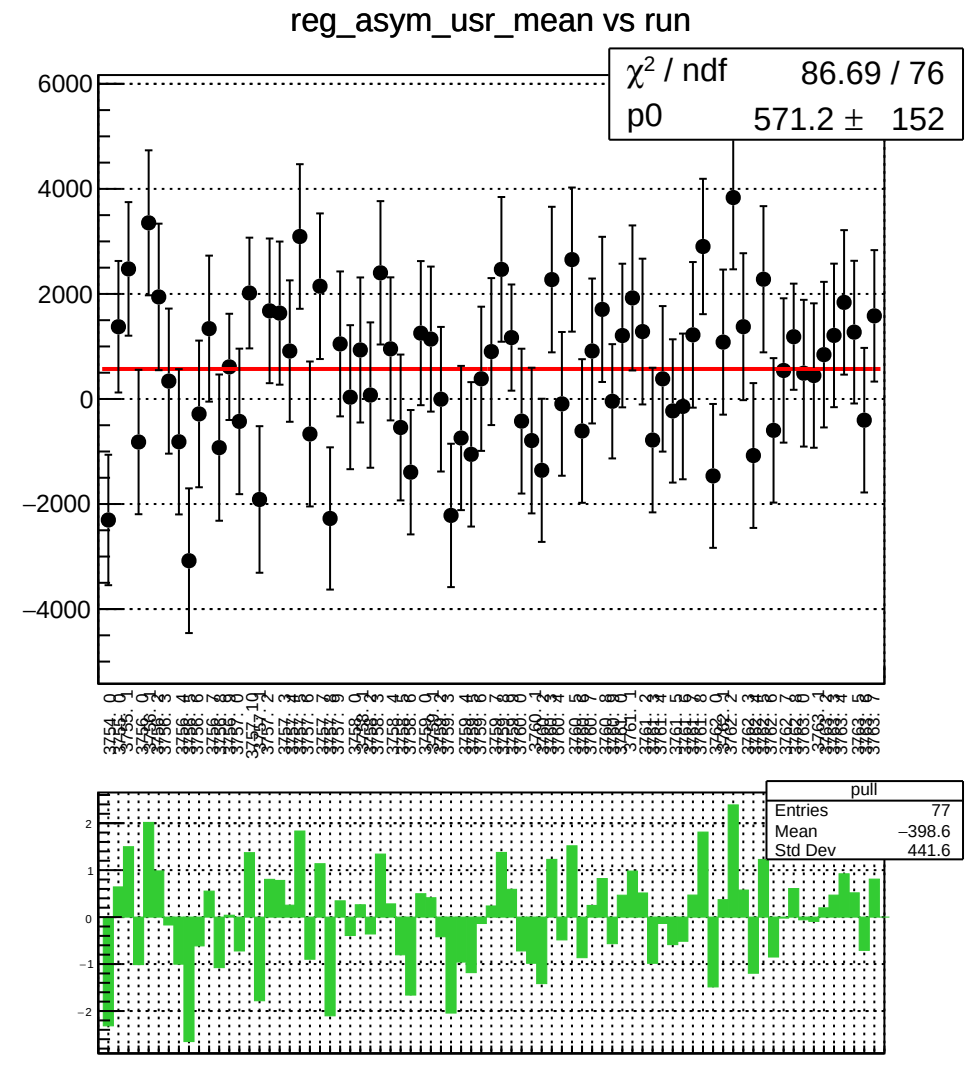

asym_usl_correction_mean vs run
χ² / ndf 79.39 / 76
p0 624.1 ± 851.1
30000
20000
10000
0
−10000
−20000
pull
Entries 77
Mean −70.88
Std Dev 64.2
pull1D
Entries 77
Mean 0.012
Std Dev 1.015

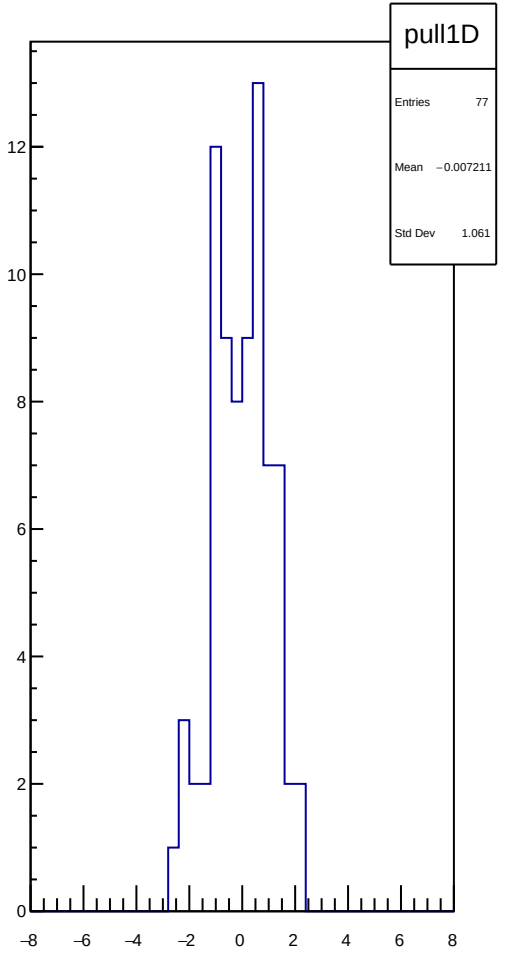

asym_usl_correction_rms vs run
χ² / ndf 2365 / 76
p0 732.1 ± 0.6018
800
780
760
740
720
700
680
660
640

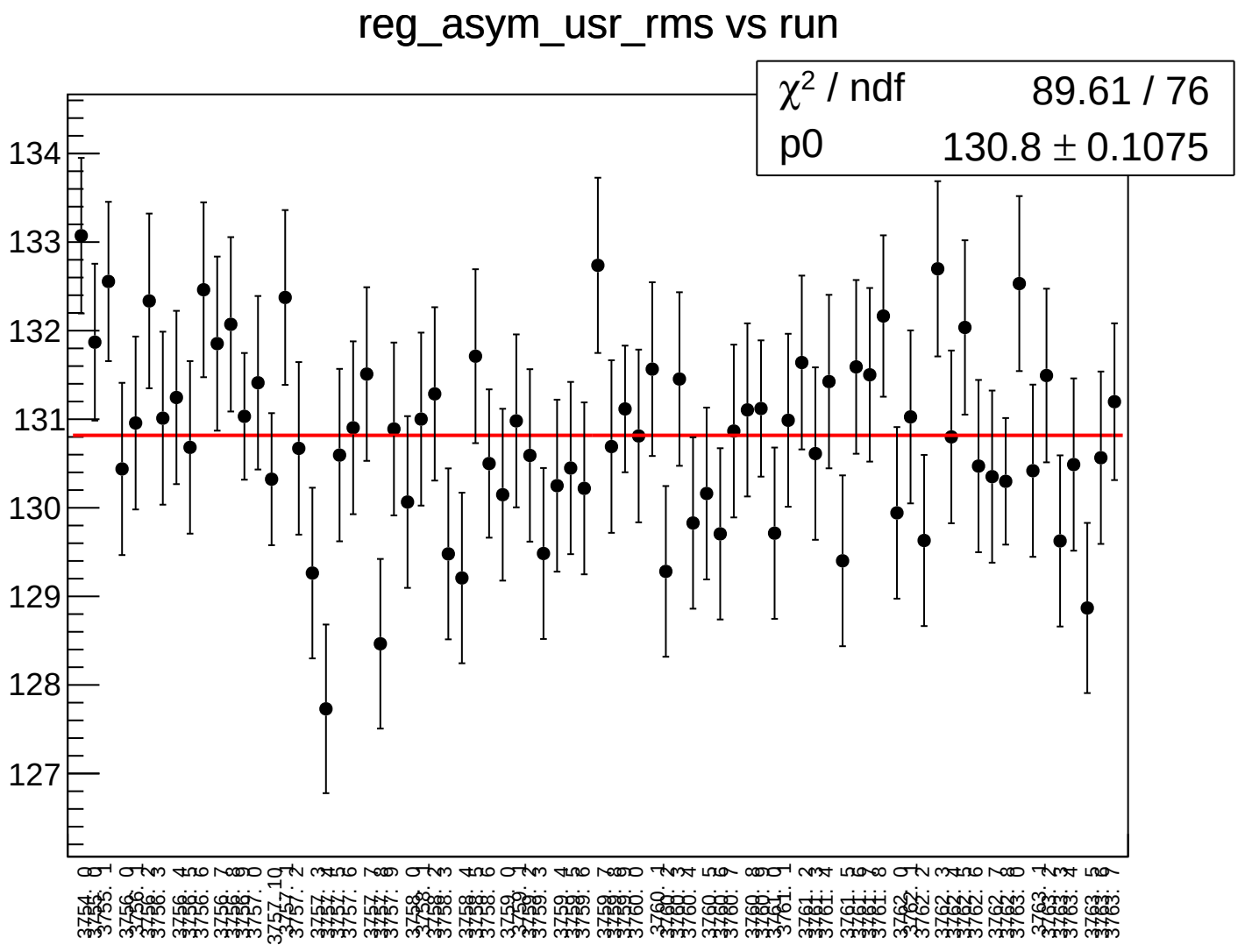

asym_usl_mean vs run
χ² / ndf 72.78 / 76
p0 −22.55 ± 865.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 77
Mean −93.91
Std Dev 100.4
2
1
0
−1
−2

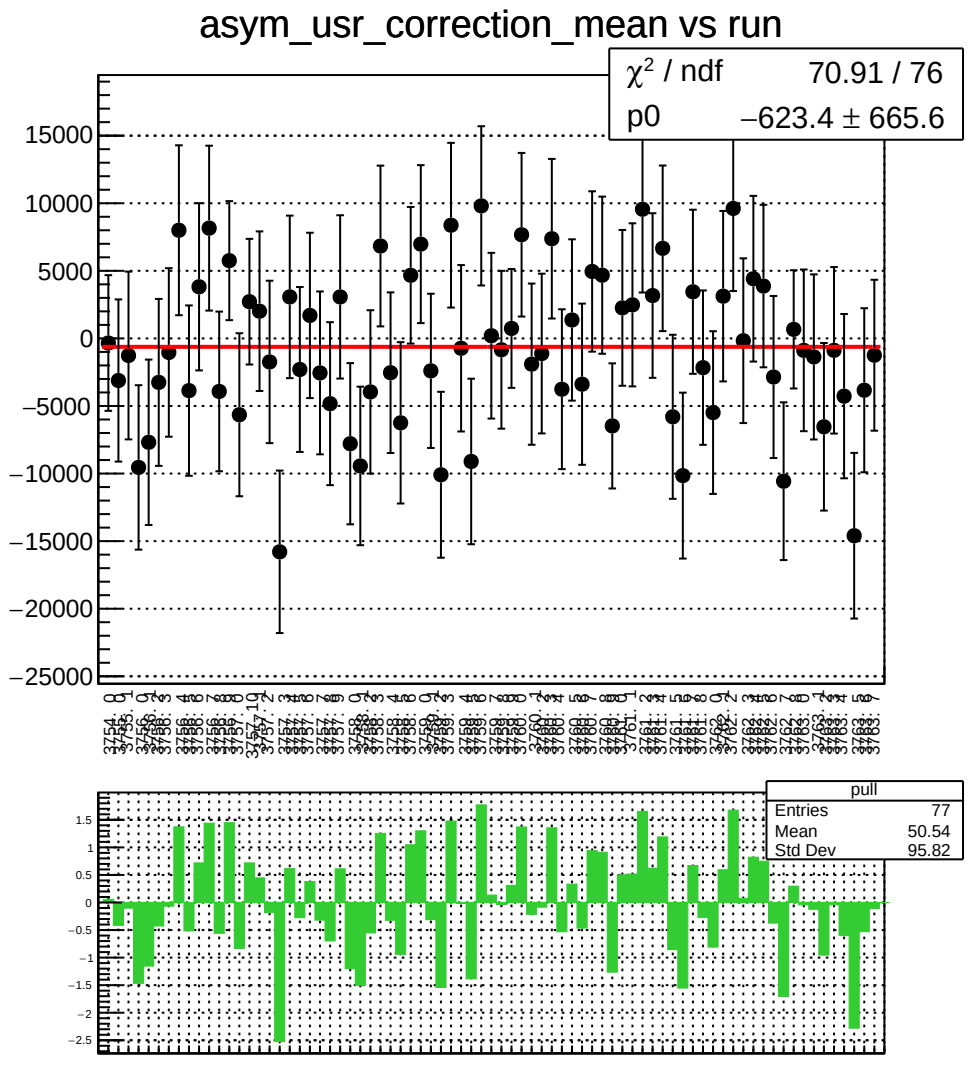

pull1D
Entries 77
Mean −0.01216
Std Dev 0.9722
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

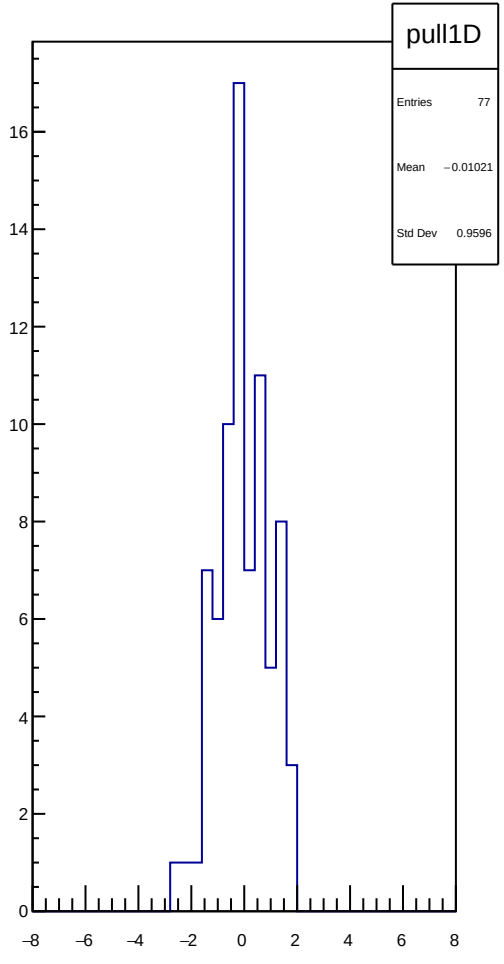

asym_usl_rms vs run
χ² / ndf 2210 / 76
p0 744.7 ± 0.6121
800
780
760
740
720
700
680
660

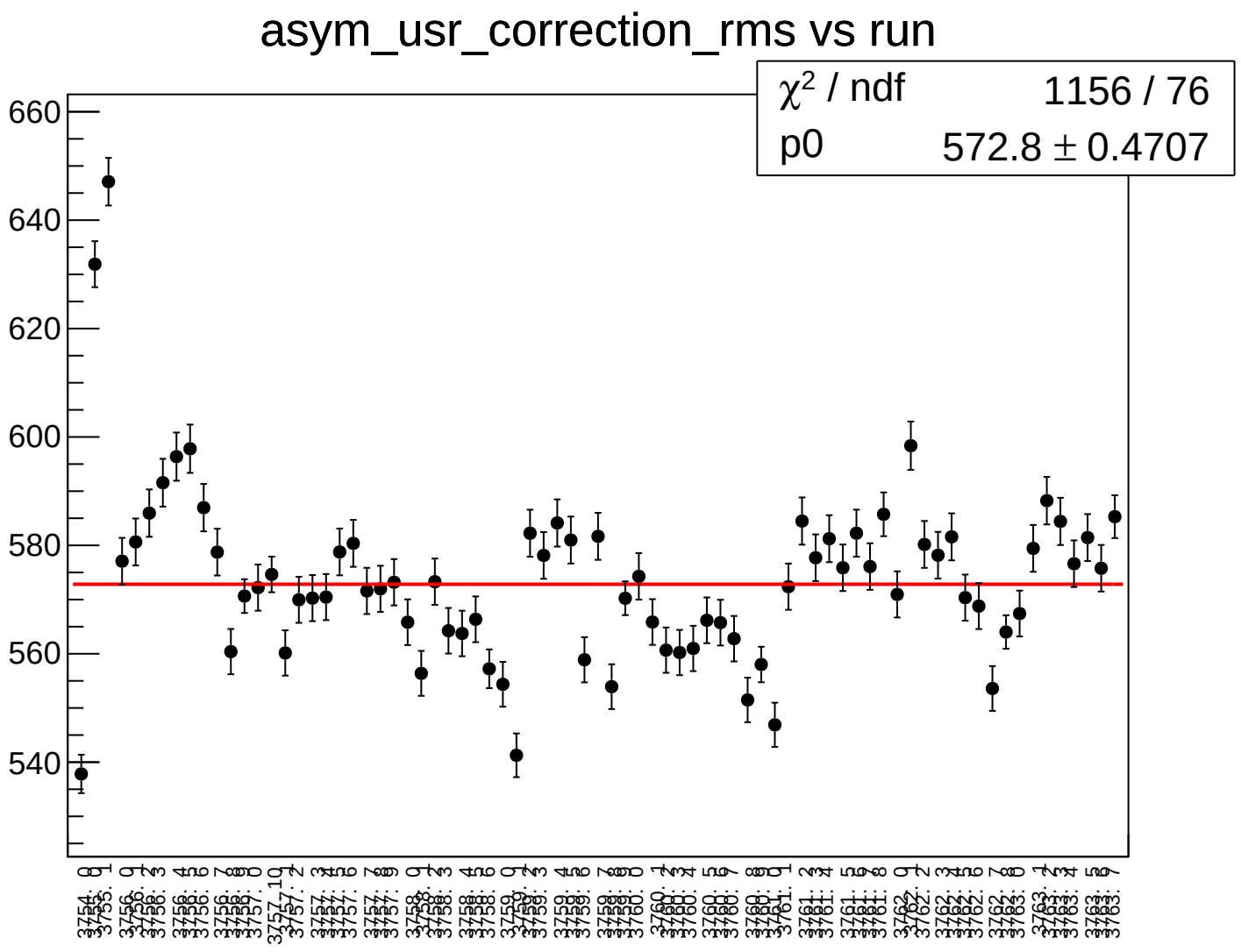

reg_asym_usr_mean vs run
χ² / ndf 86.69 / 76
p0 571.2 ± 152
pull
Entries 77
Mean −398.6
Std Dev 441.6

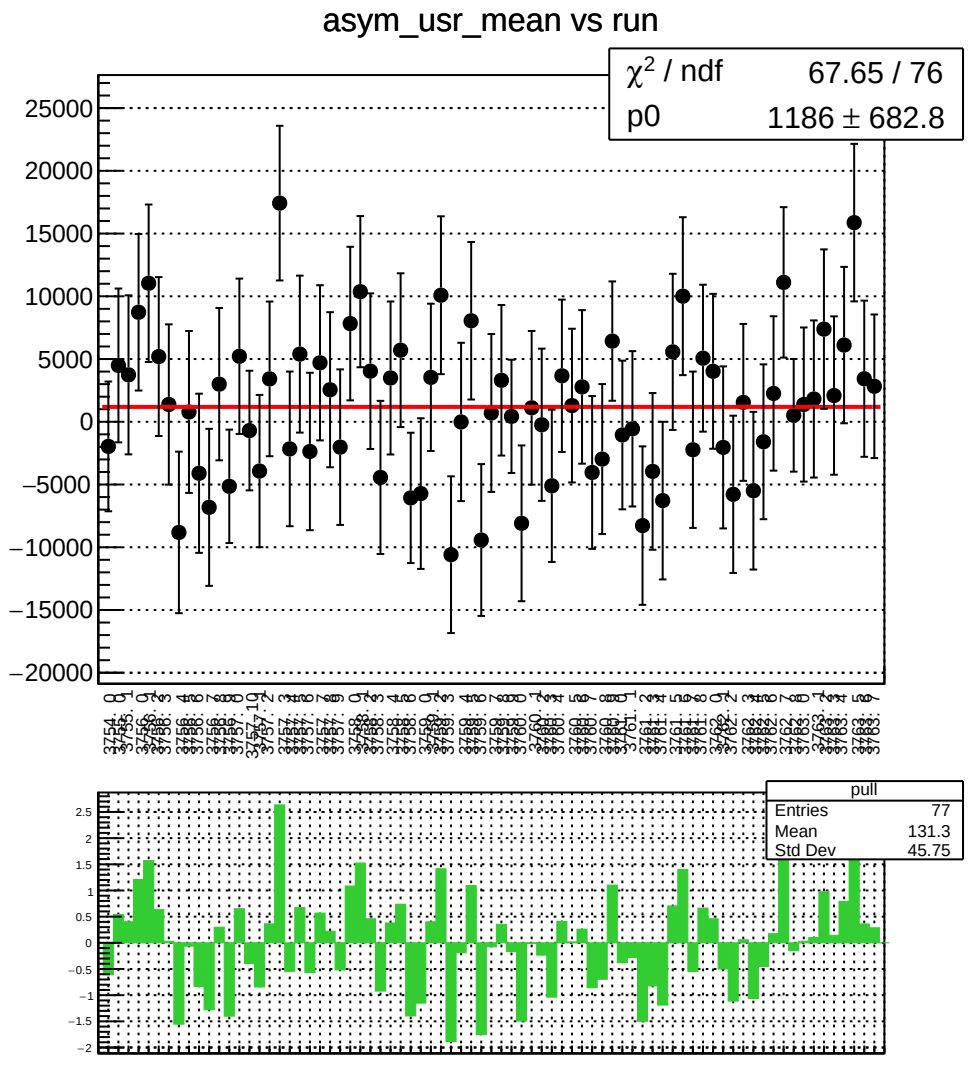

pull1D
Entries 77
Mean −0.007211
Std Dev 1.061

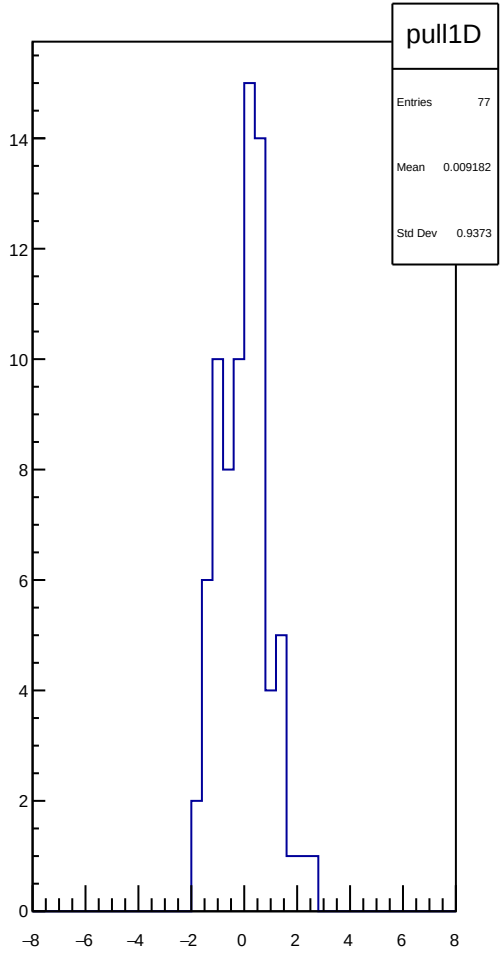

reg_asym_usr_rms vs run
χ^2 / ndf 89.61 / 76
p0 130.8 ± 0.1075
134
133
132
131
130
129
128
127

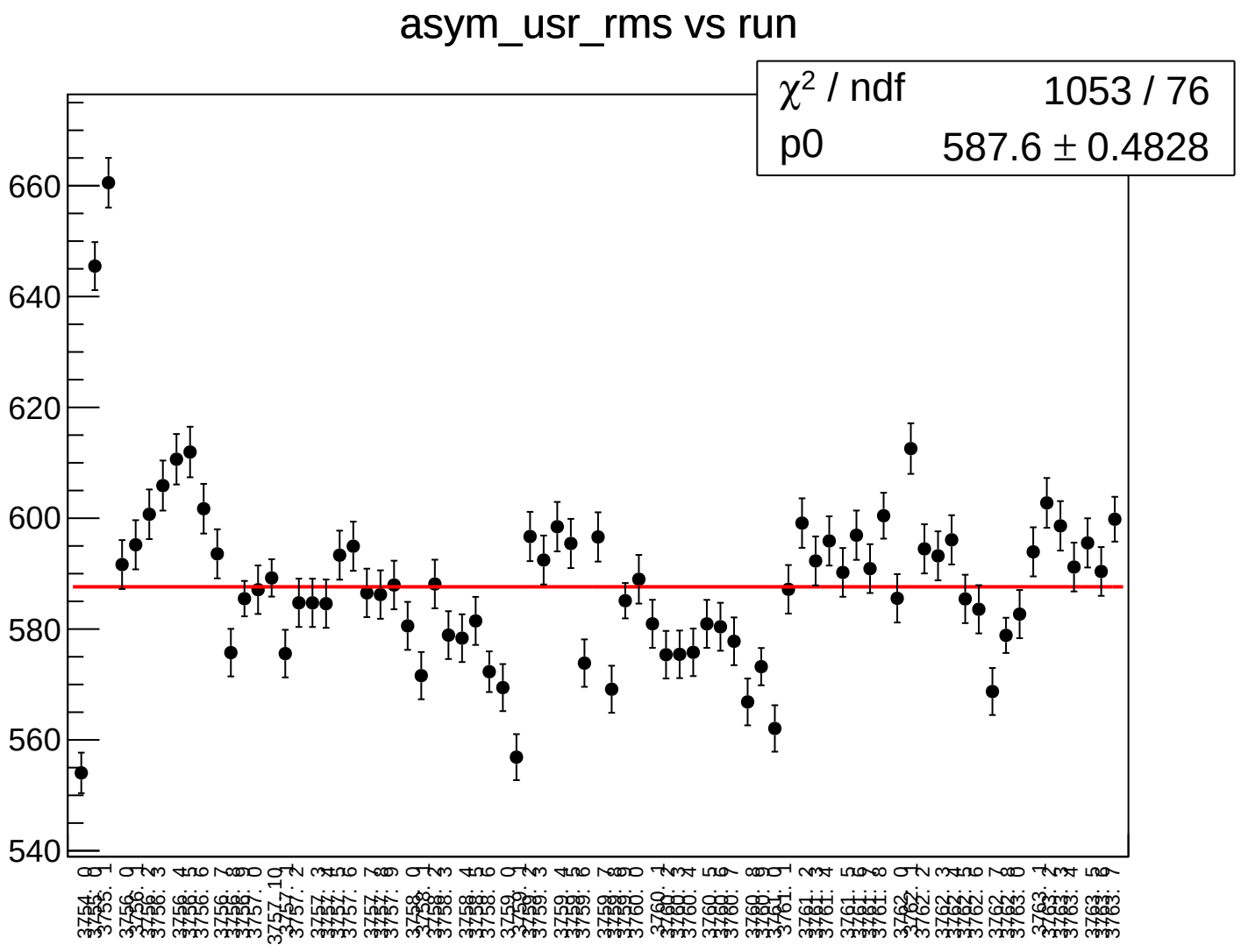

asym_usr_correction_mean vs run
χ² / ndf 70.91 / 76
p0 −623.4 ± 665.6
pull
Entries 77
Mean 50.54
Std Dev 95.82

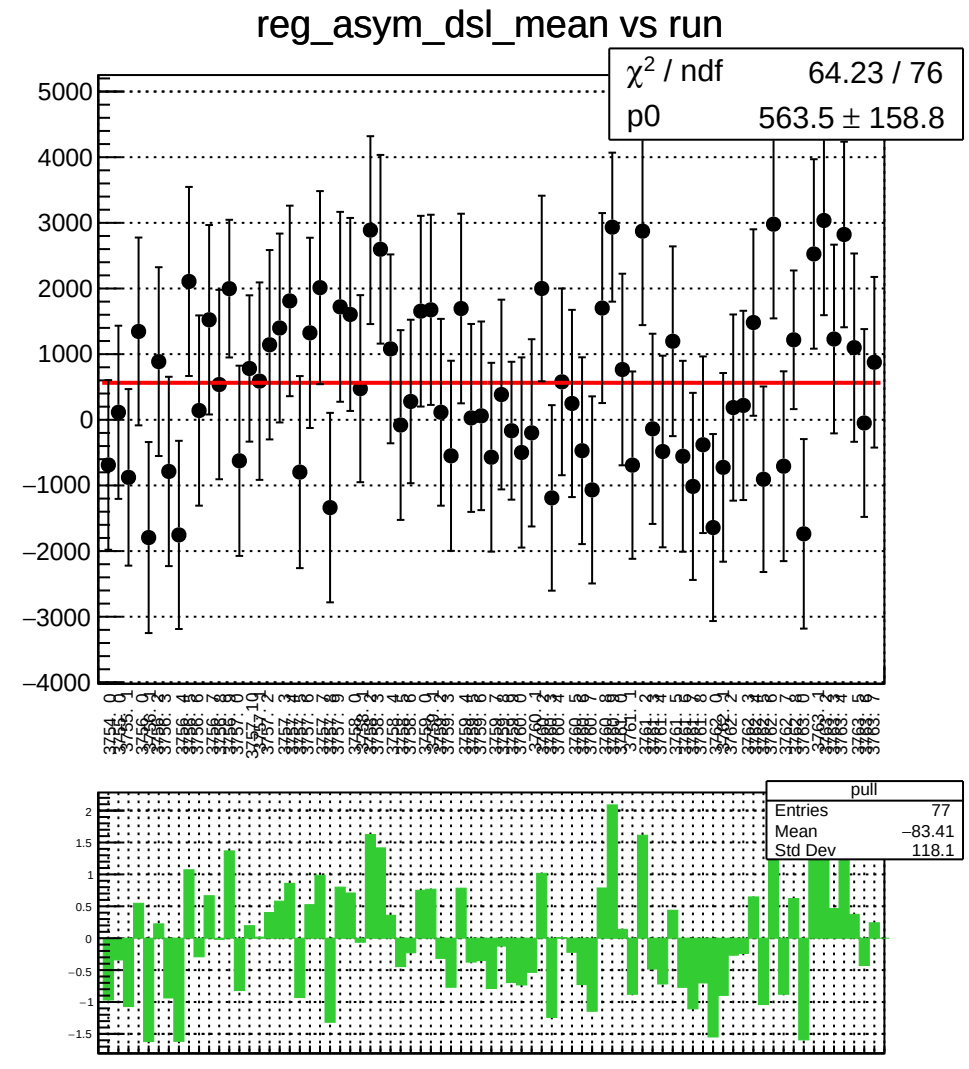

pull1D
Entries 77
Mean −0.01021
Std Dev 0.9596

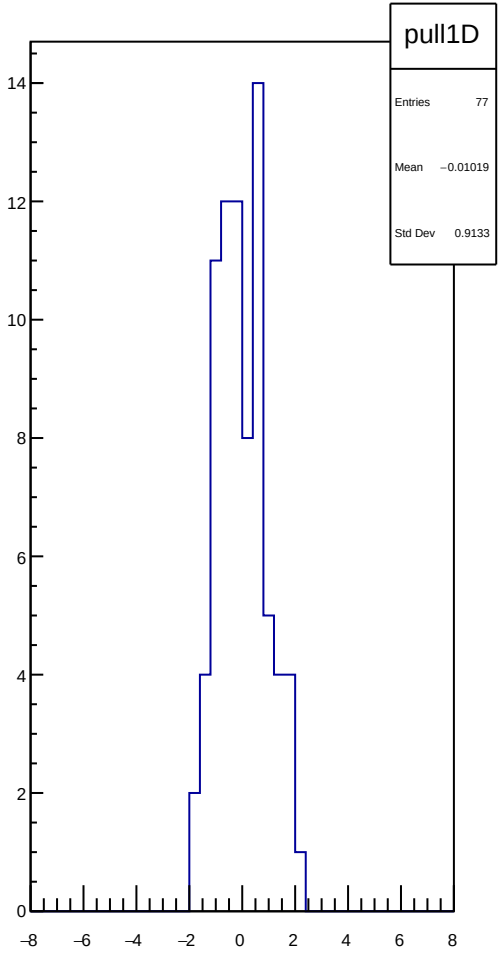

asym_usr_correction_rms vs run
χ² / ndf 1156 / 76
p0 572.8 ± 0.4707
660
640
620
600
580
560
540

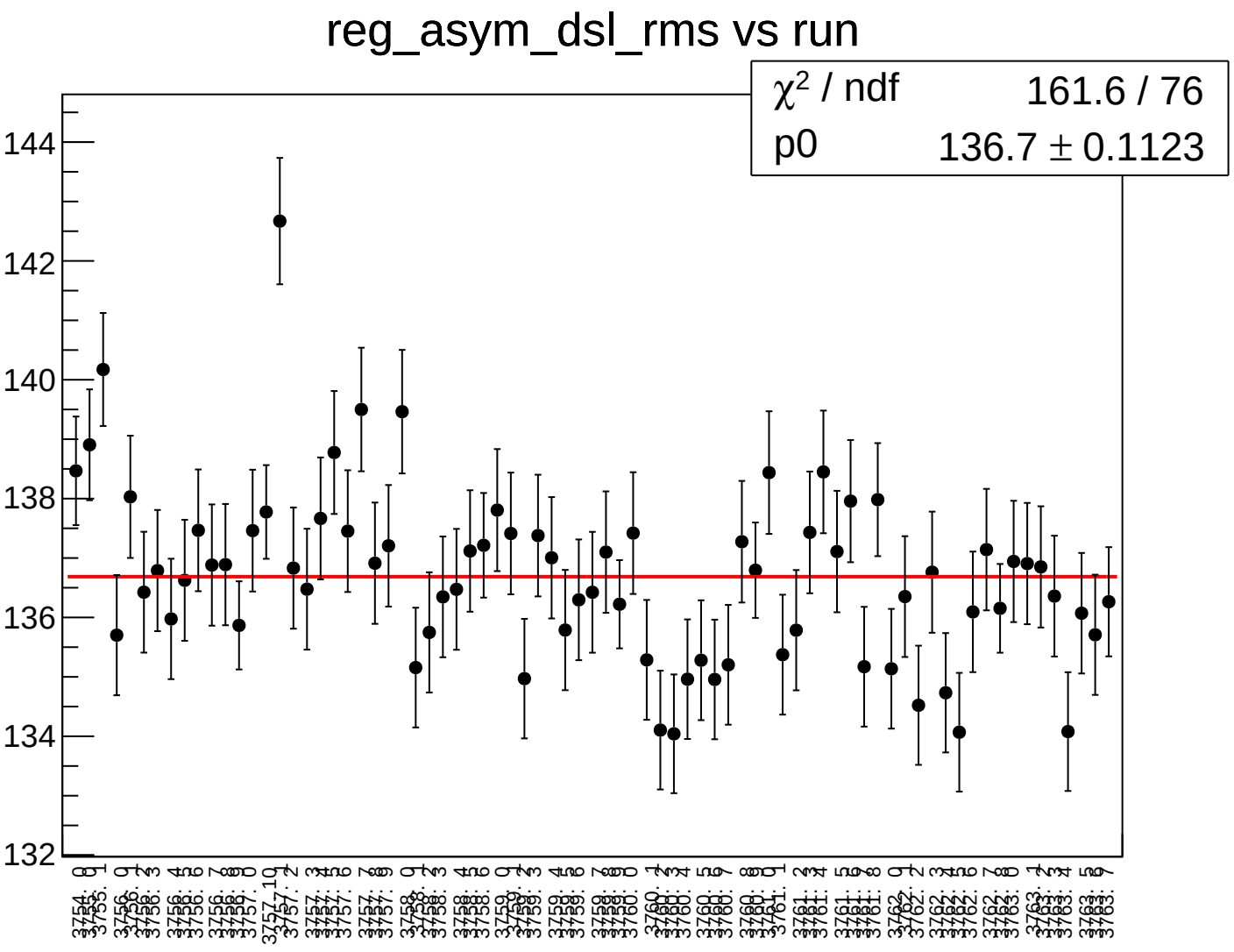

asym_usr_mean vs run
χ² / ndf 67.65 / 76
p0 1186 ± 682.8
pull
Entries 77
Mean 131.3
Std Dev 45.75

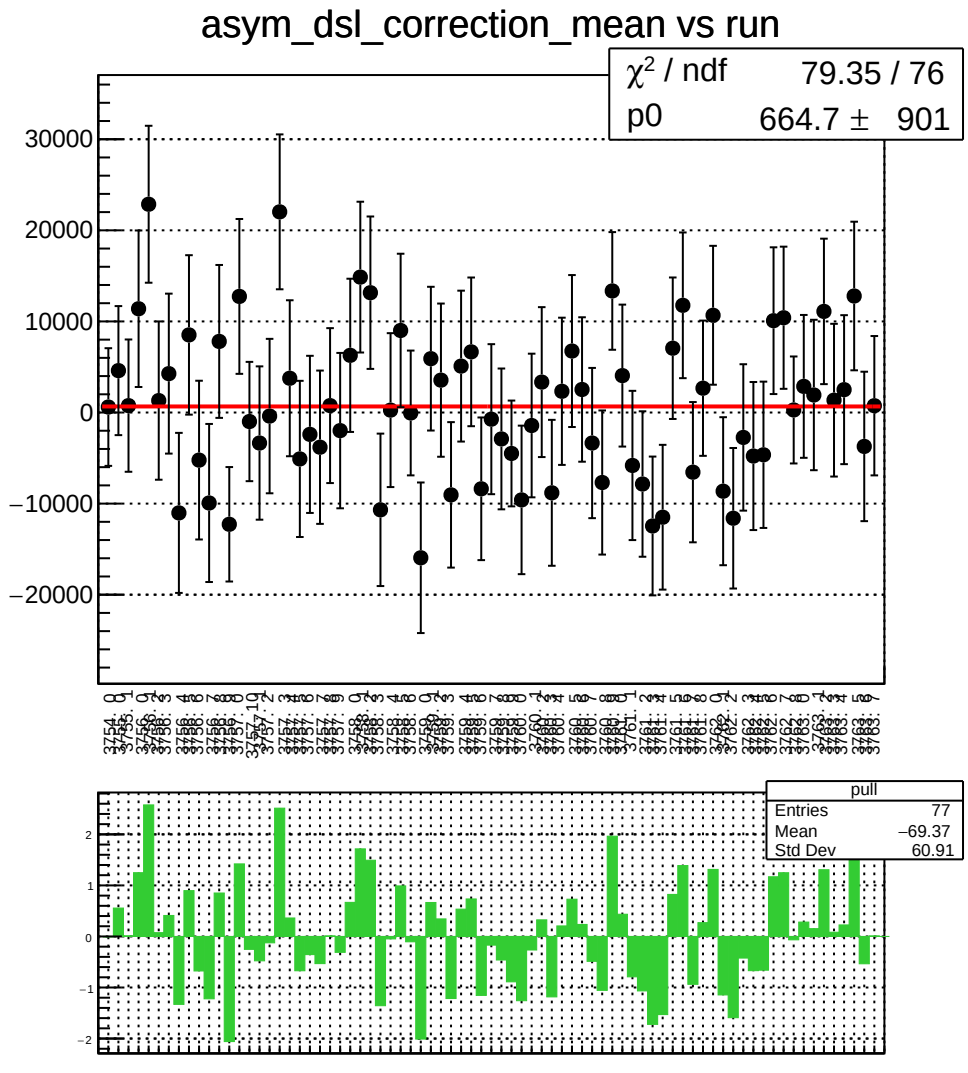

pull1D
Entries 77
Mean 0.009182
Std Dev 0.9373

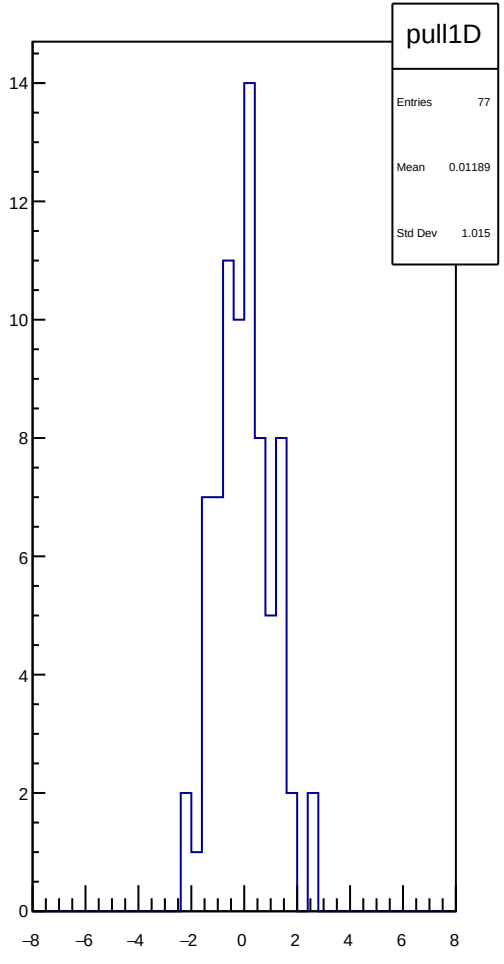

asym_usr_rms vs run
χ² / ndf 1053 / 76
p0 587.6 ± 0.4828
660
640
620
600
580
560
540

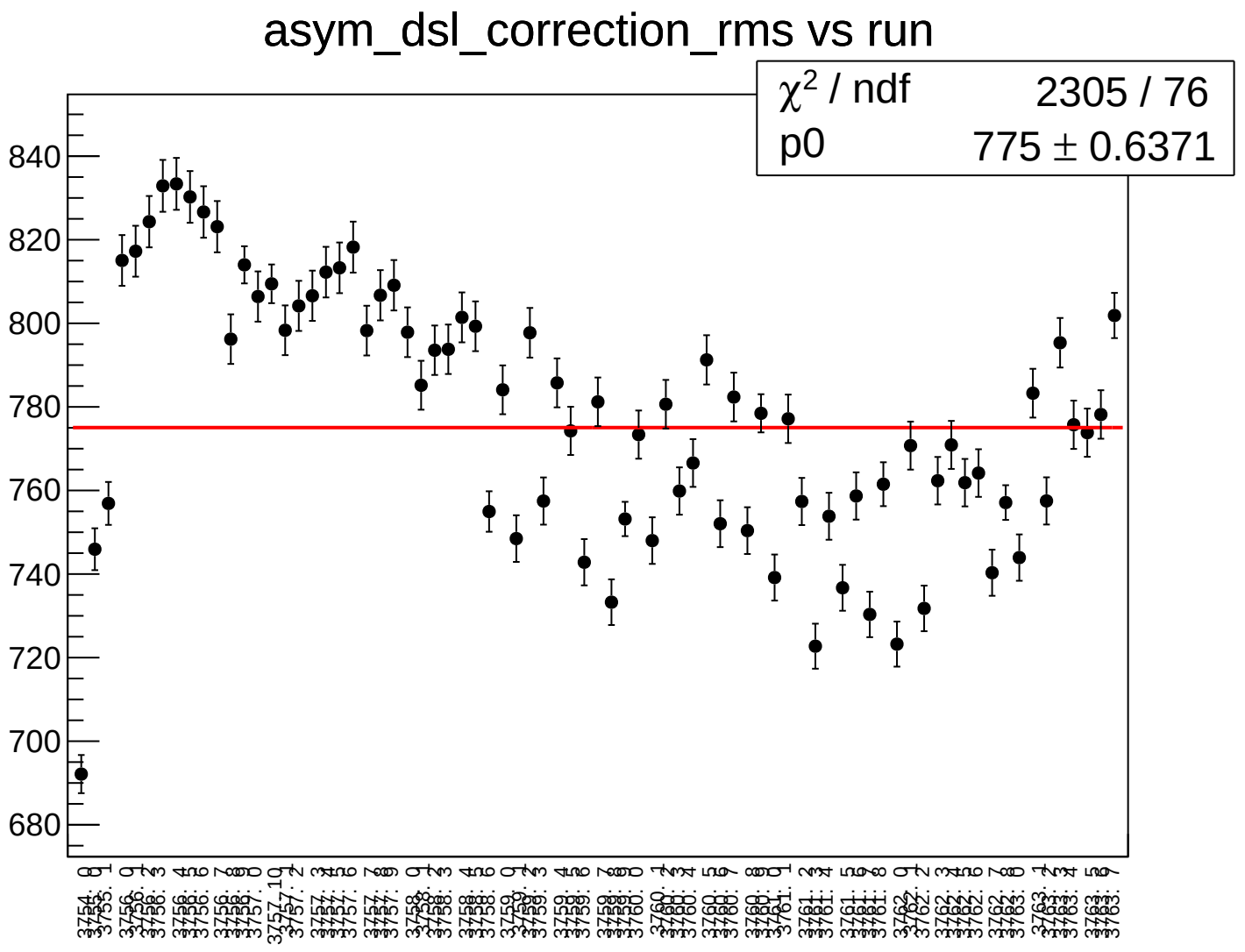

reg_asym_dsl_mean vs run
χ² / ndf 64.23 / 76
p0 563.5 ± 158.8
pull
Entries 77
Mean −83.41
Std Dev 118.1

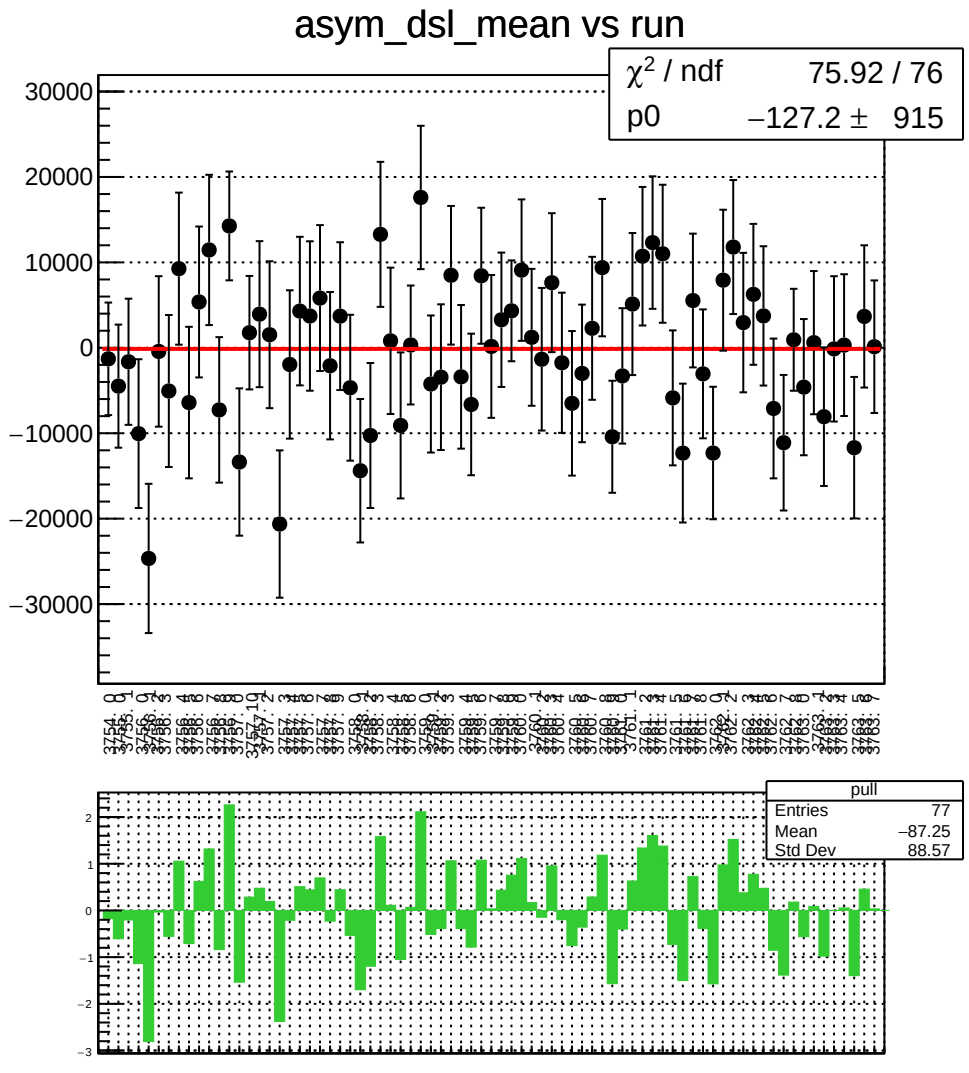

pull1D
Entries 77
Mean −0.01019
Std Dev 0.9133

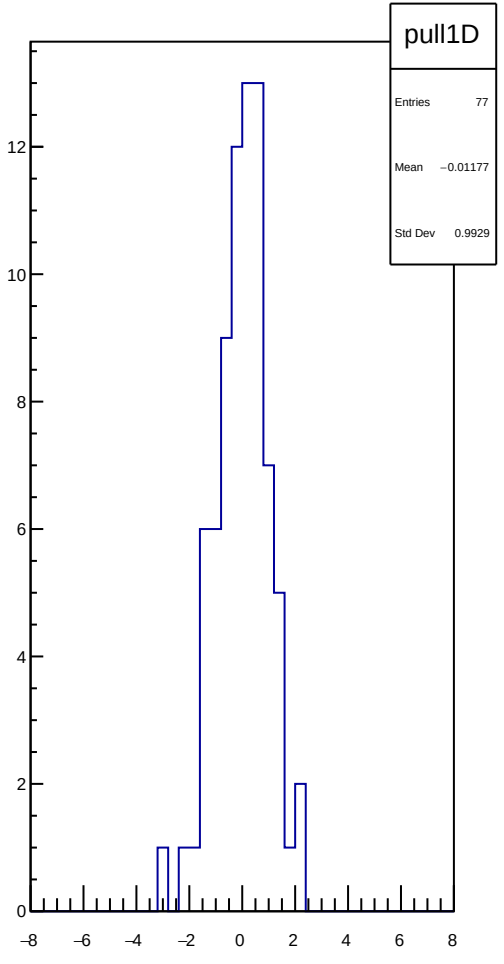

reg_asym_dsl_rms vs run
χ² / ndf 161.6 / 76
p0 136.7 ± 0.1123
144
142
140
138
136
134
132

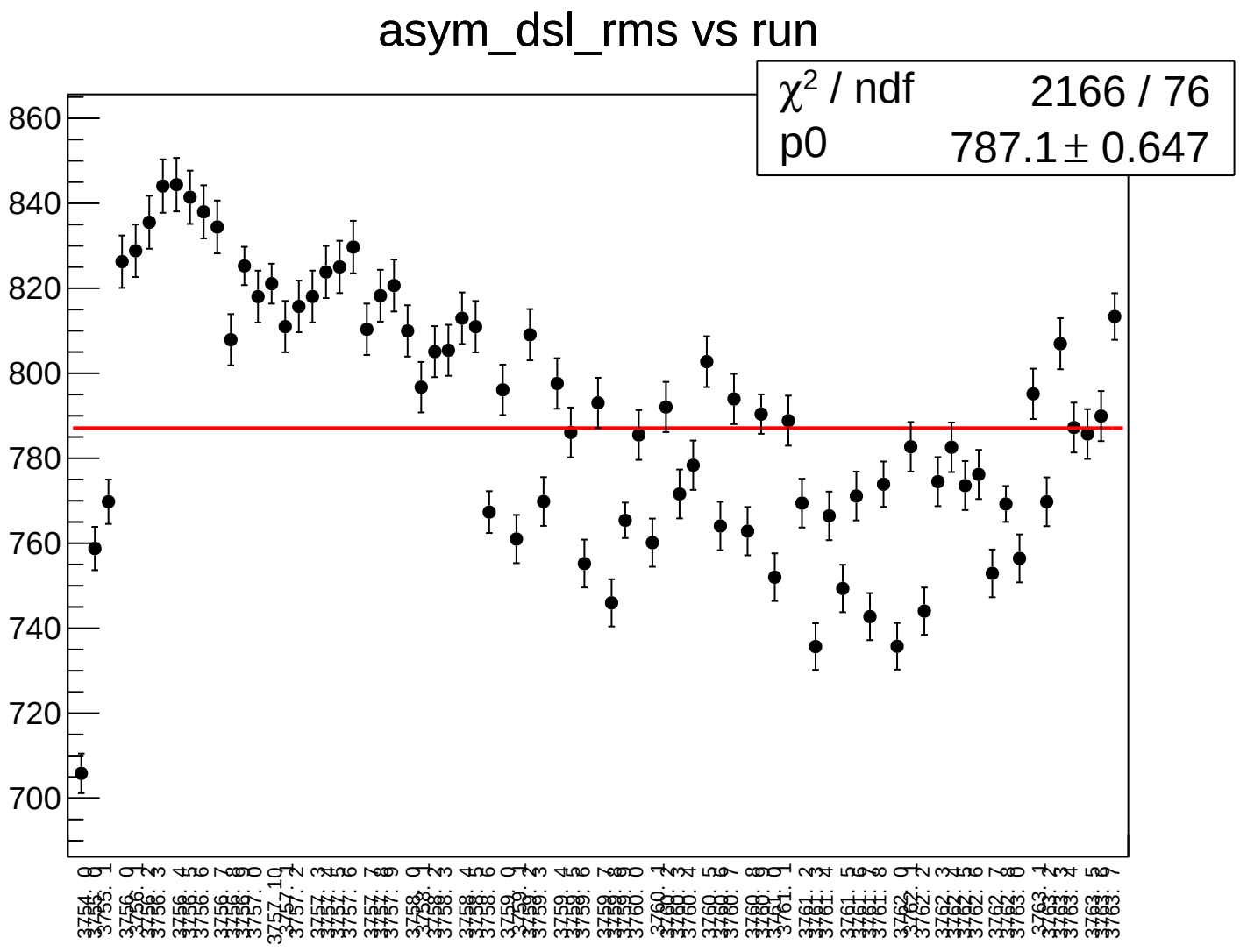

asym_dsl_correction_mean vs run
χ² / ndf 79.35 / 76
p0 664.7 ± 901
pull
Entries 77
Mean −69.37
Std Dev 60.91

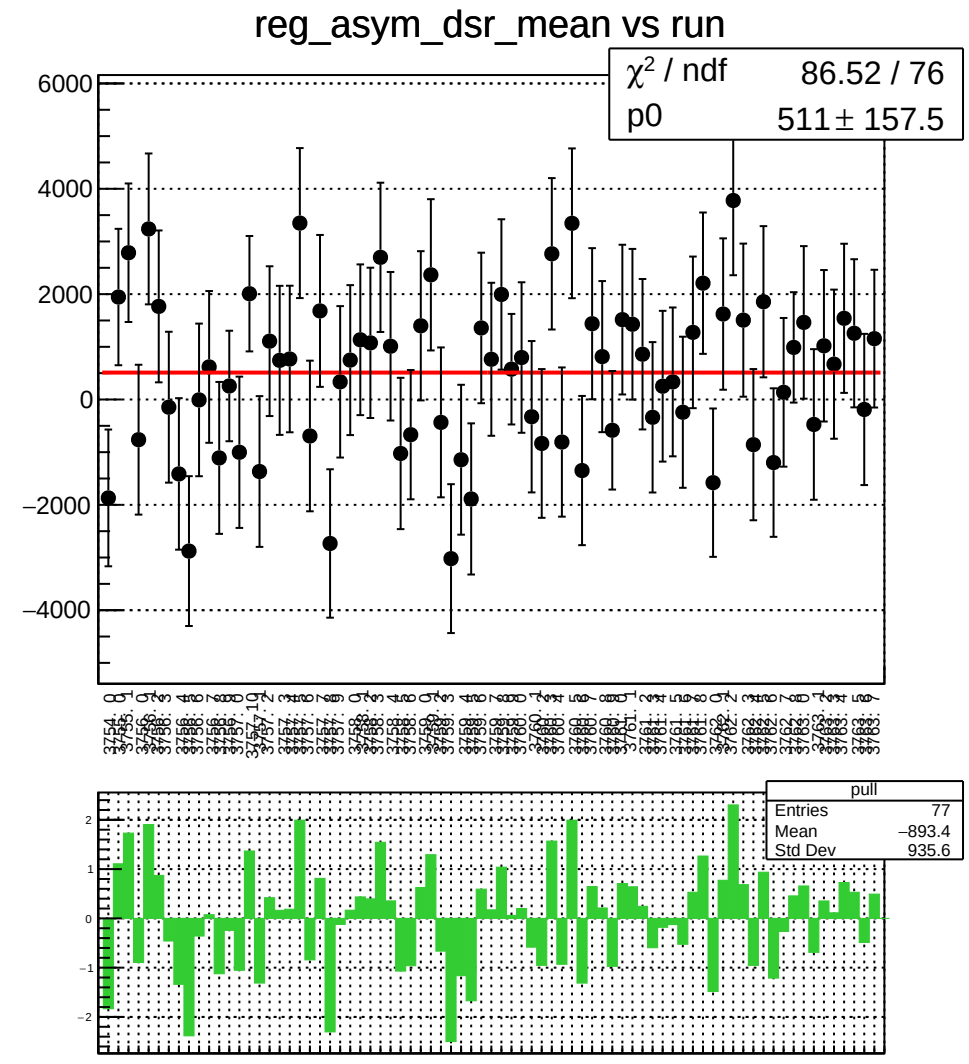

pull1D
Entries 77
Mean 0.01189
Std Dev 1.015

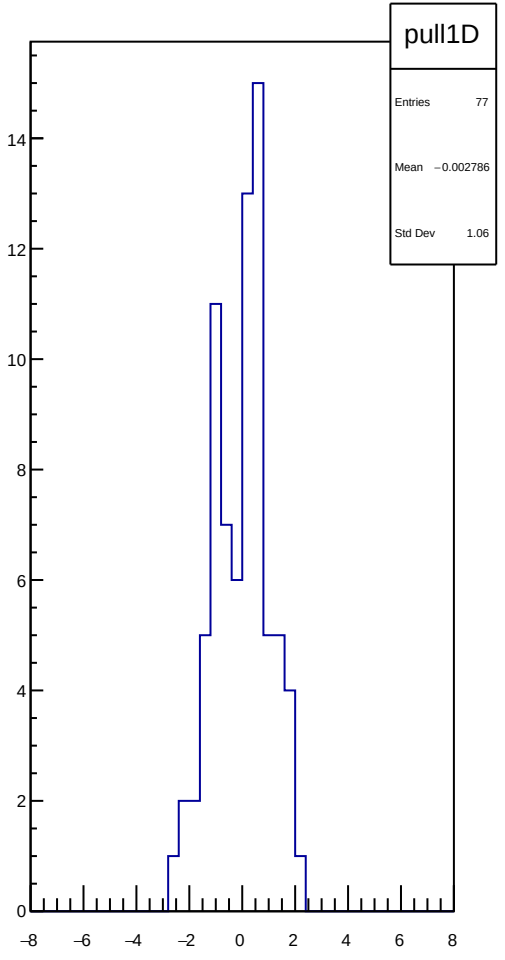

asym_dsl_correction_rms vs run
χ^2 / ndf 2305 / 76
p0 775 ± 0.6371
840
820
800
780
760
740
720
700
680

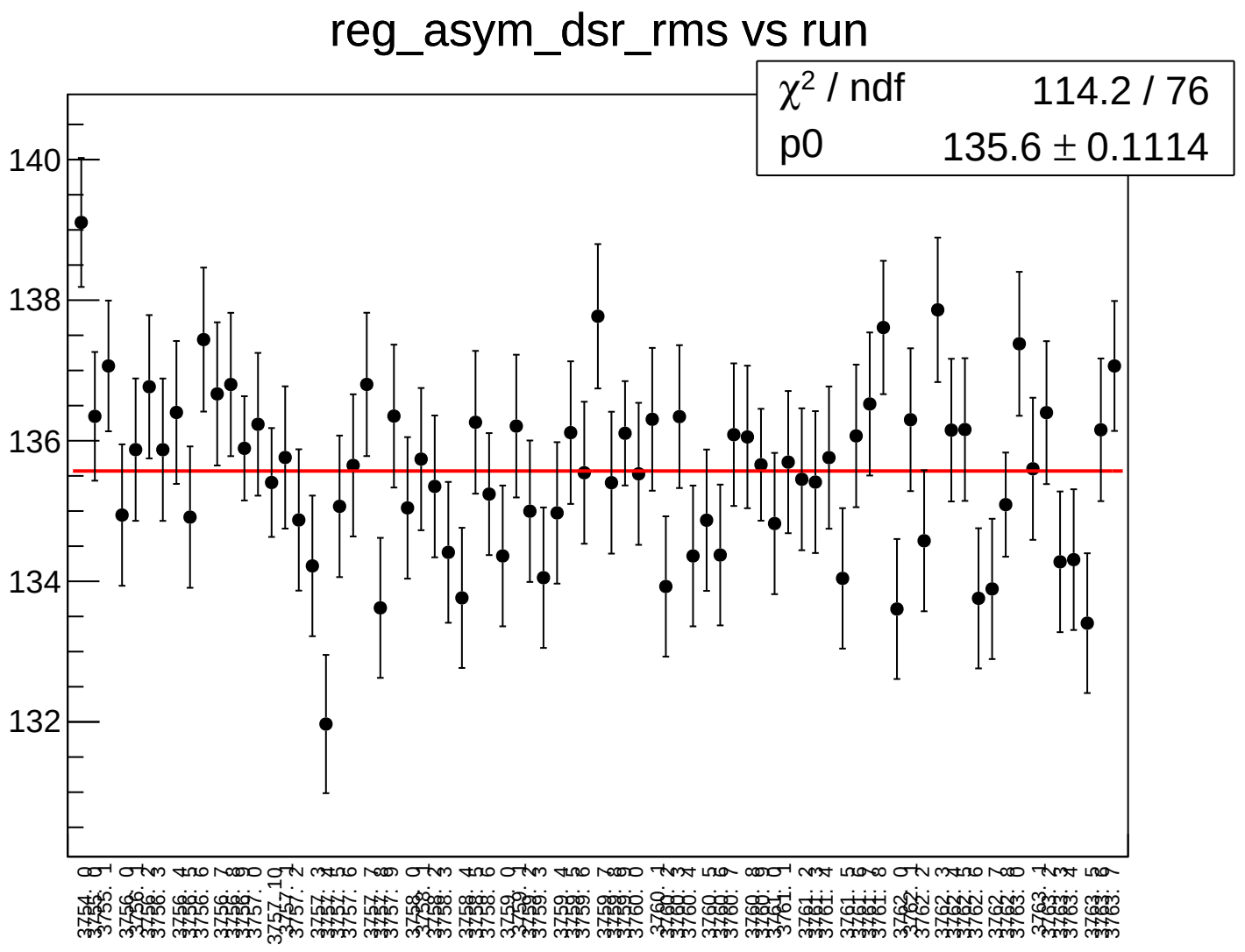

asym_dsl_mean vs run
χ² / ndf 75.92 / 76
p0 −127.2 ± 915
pull
Entries 77
Mean −87.25
Std Dev 88.57

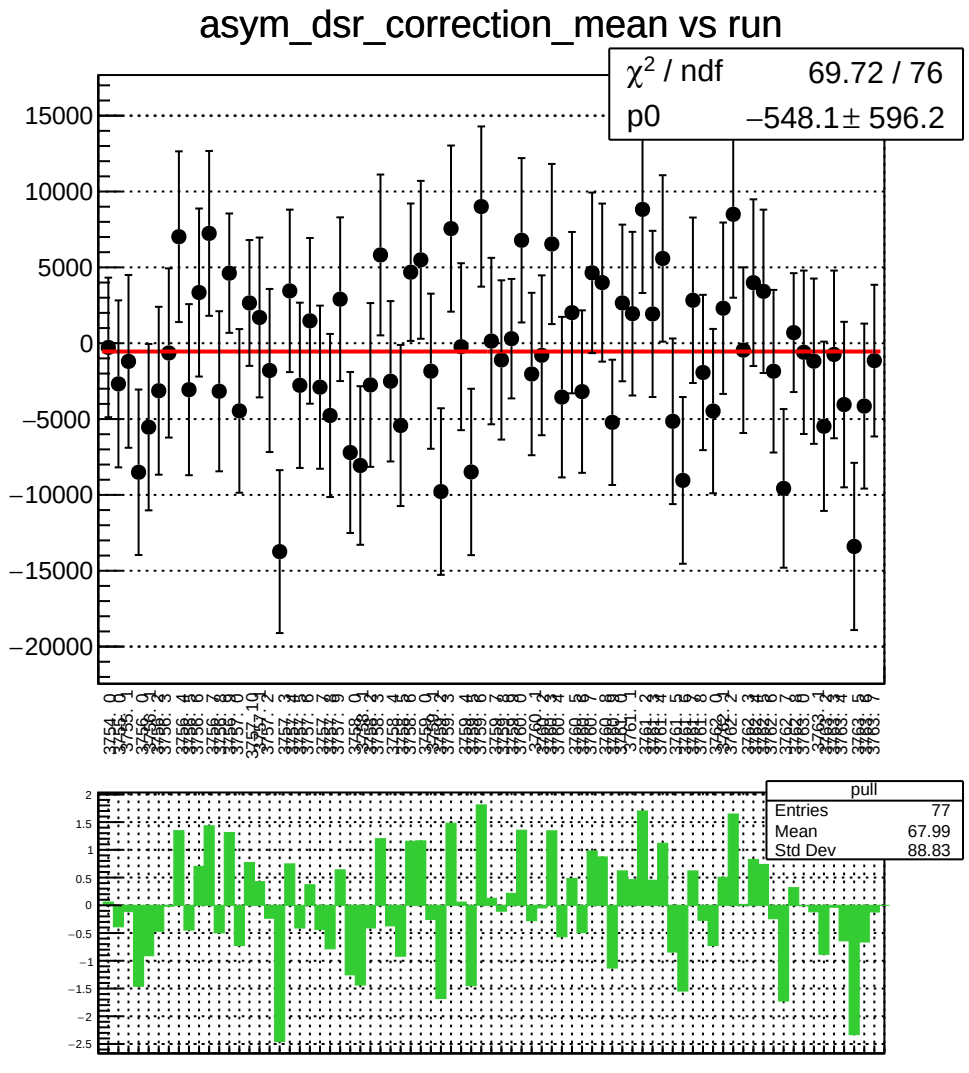

pull1D
Entries 77
Mean −0.01177
Std Dev 0.9929

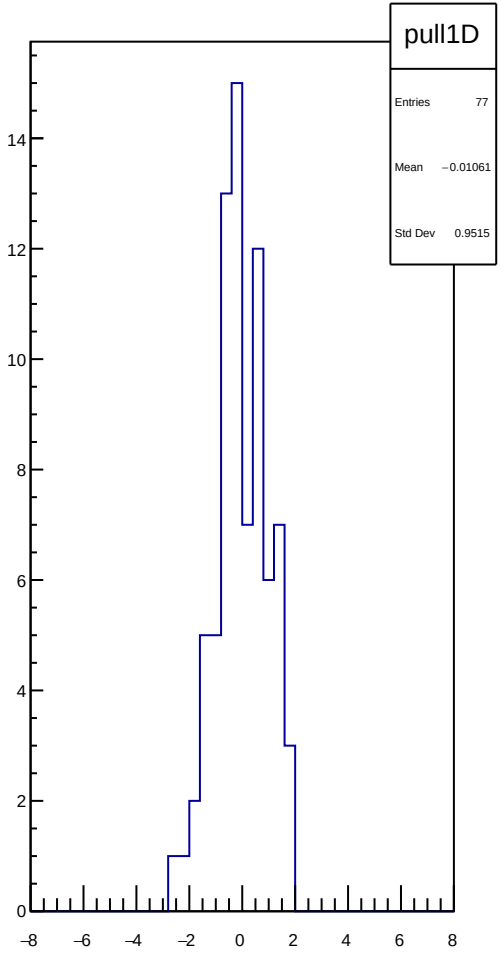

asym_dsl_rms vs run
χ^2 / ndf 2166 / 76
p0 787.1 ± 0.647
860
840
820
800
780
760
740
720
700

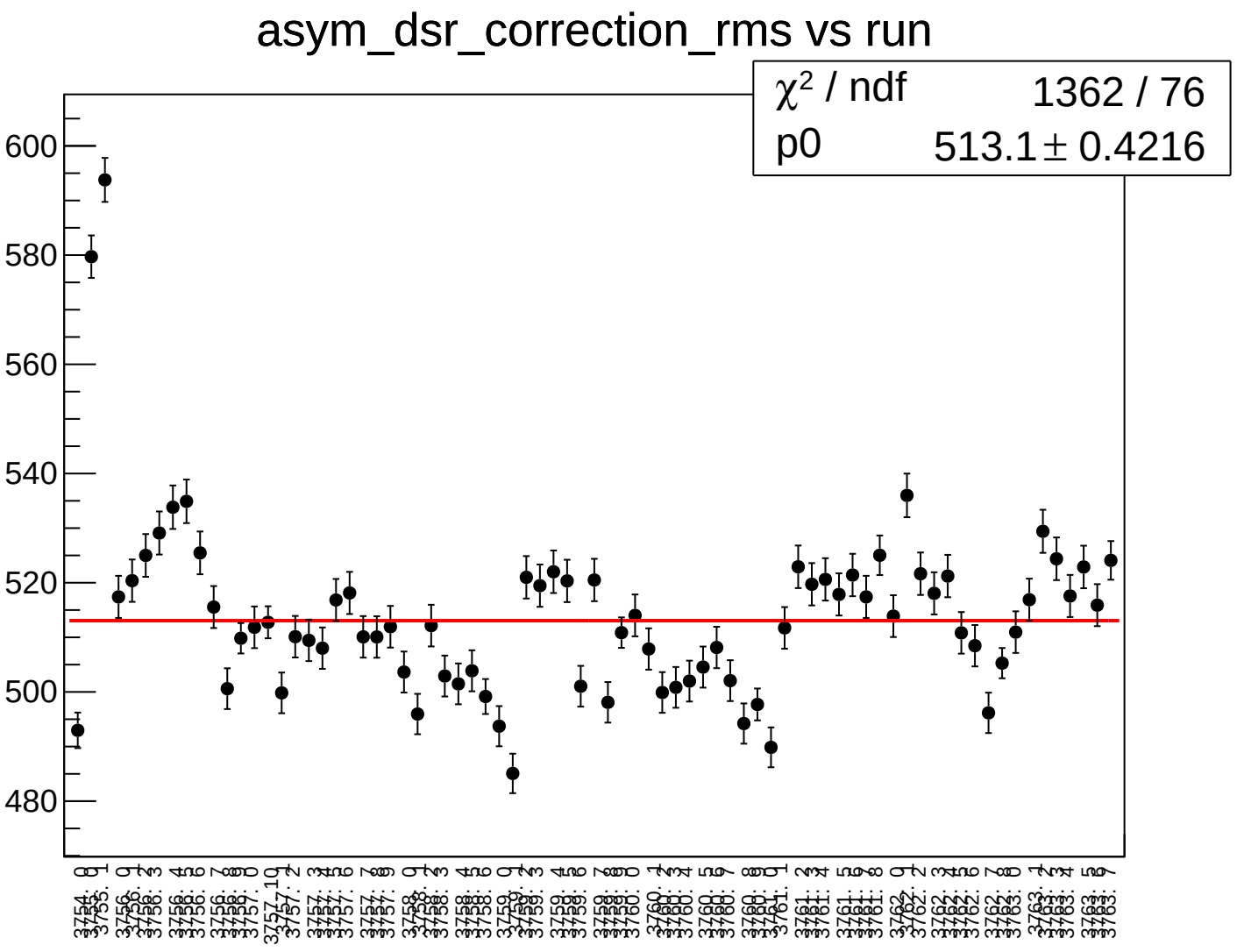

reg_asym_dsr_mean vs run
χ^2 / ndf 86.52 / 76
p0 511 ± 157.5
pull
Entries 77
Mean −893.4
Std Dev 935.6

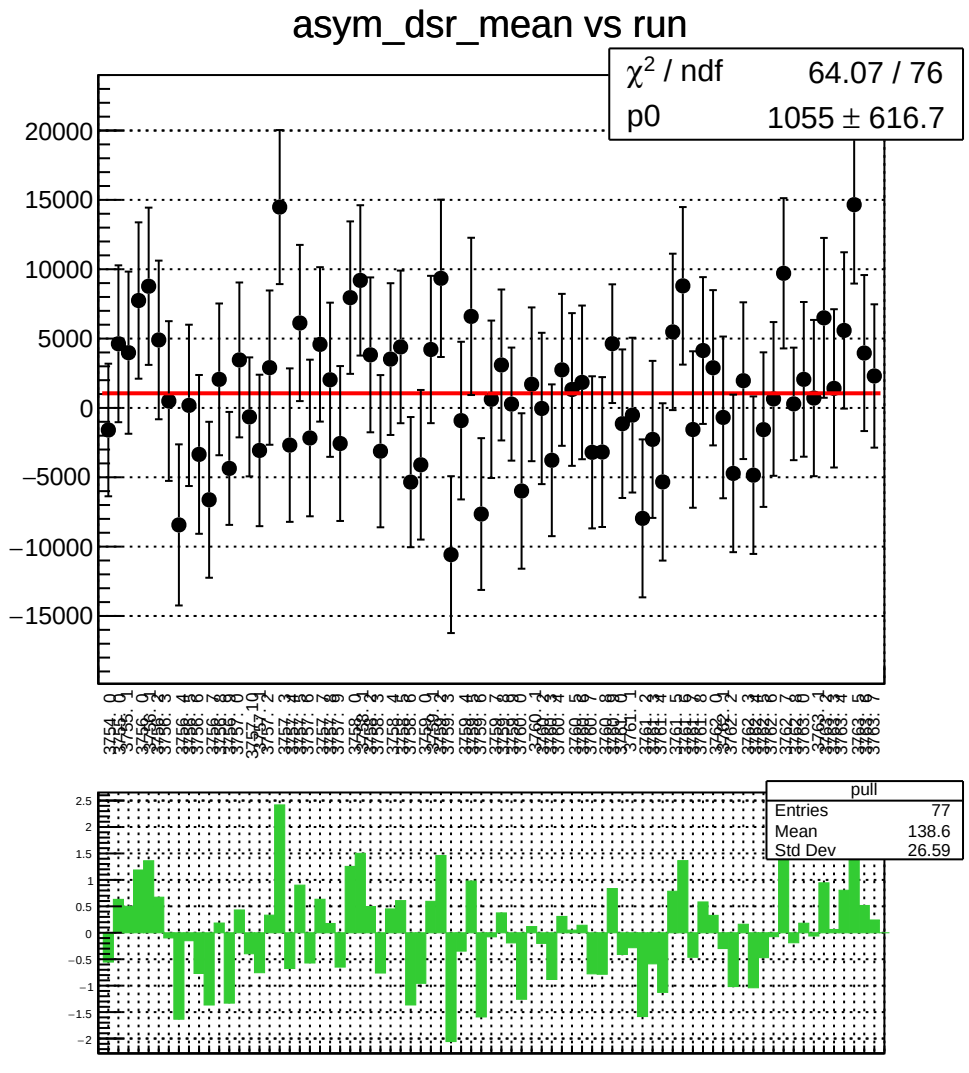

pull1D
Entries 77
Mean −0.002786
Std Dev 1.06

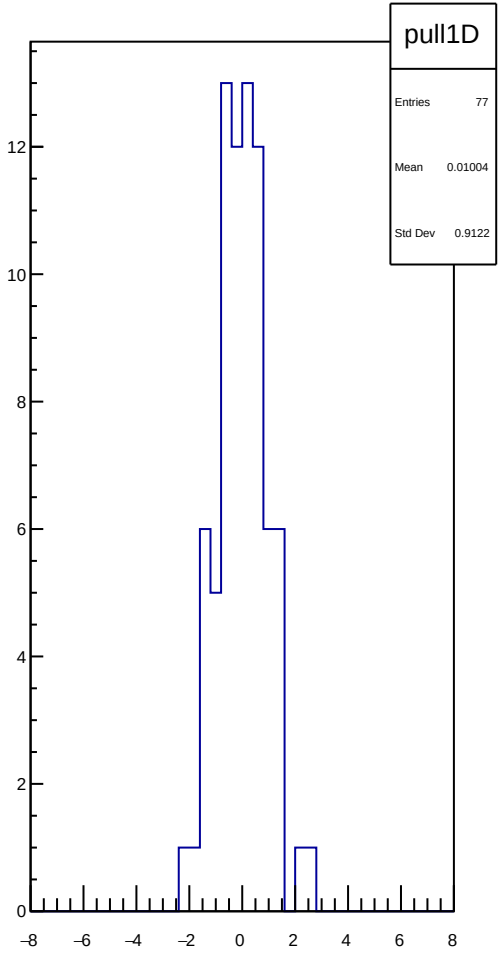

reg_asym_dsr_rms vs run
χ² / ndf 114.2 / 76
p0 135.6 ± 0.1114
140
138
136
134
132

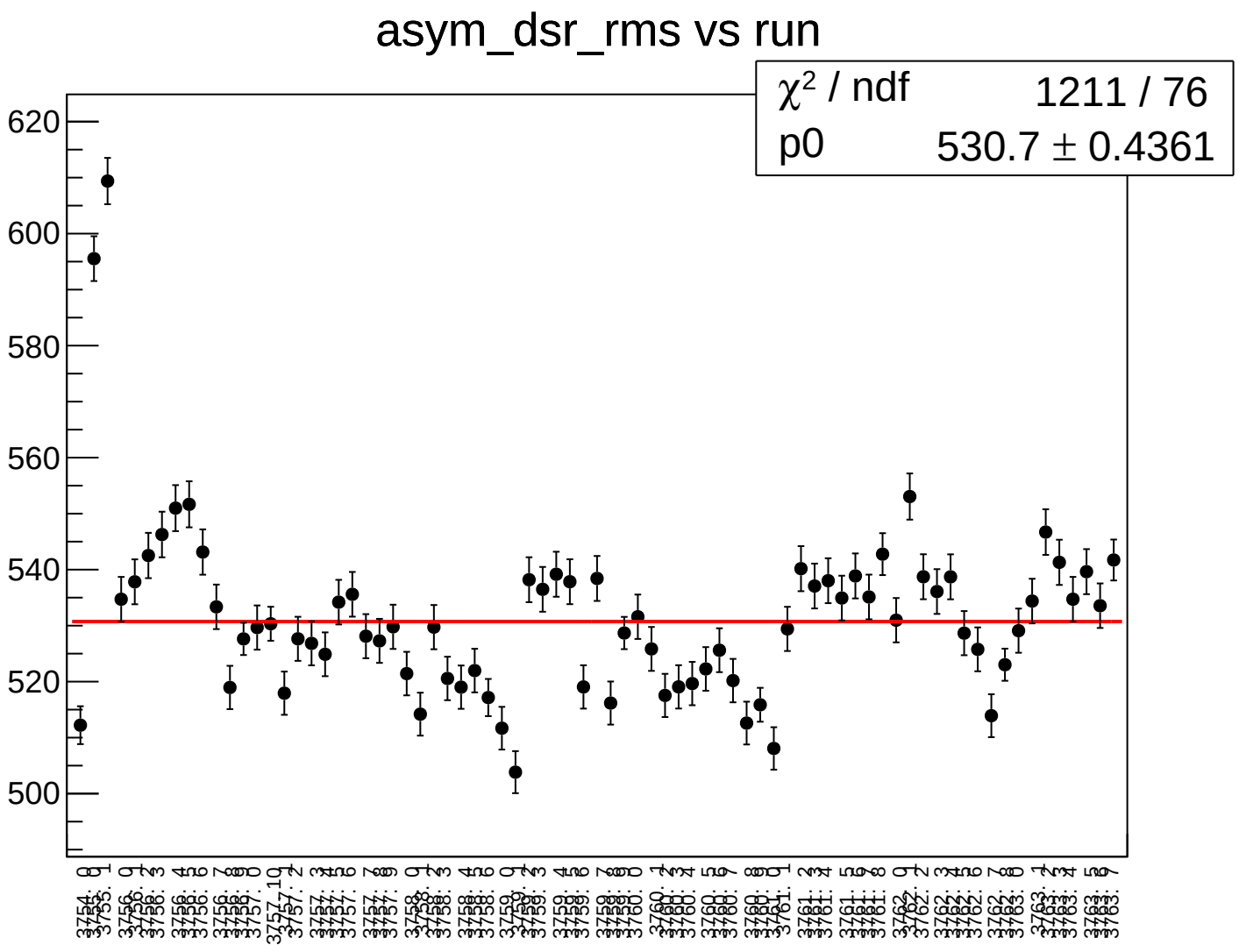

asym_dsr_correction_mean vs run
χ² / ndf 69.72 / 76
p0 −548.1 ± 596.2
pull
Entries 77
Mean 67.99
Std Dev 88.83

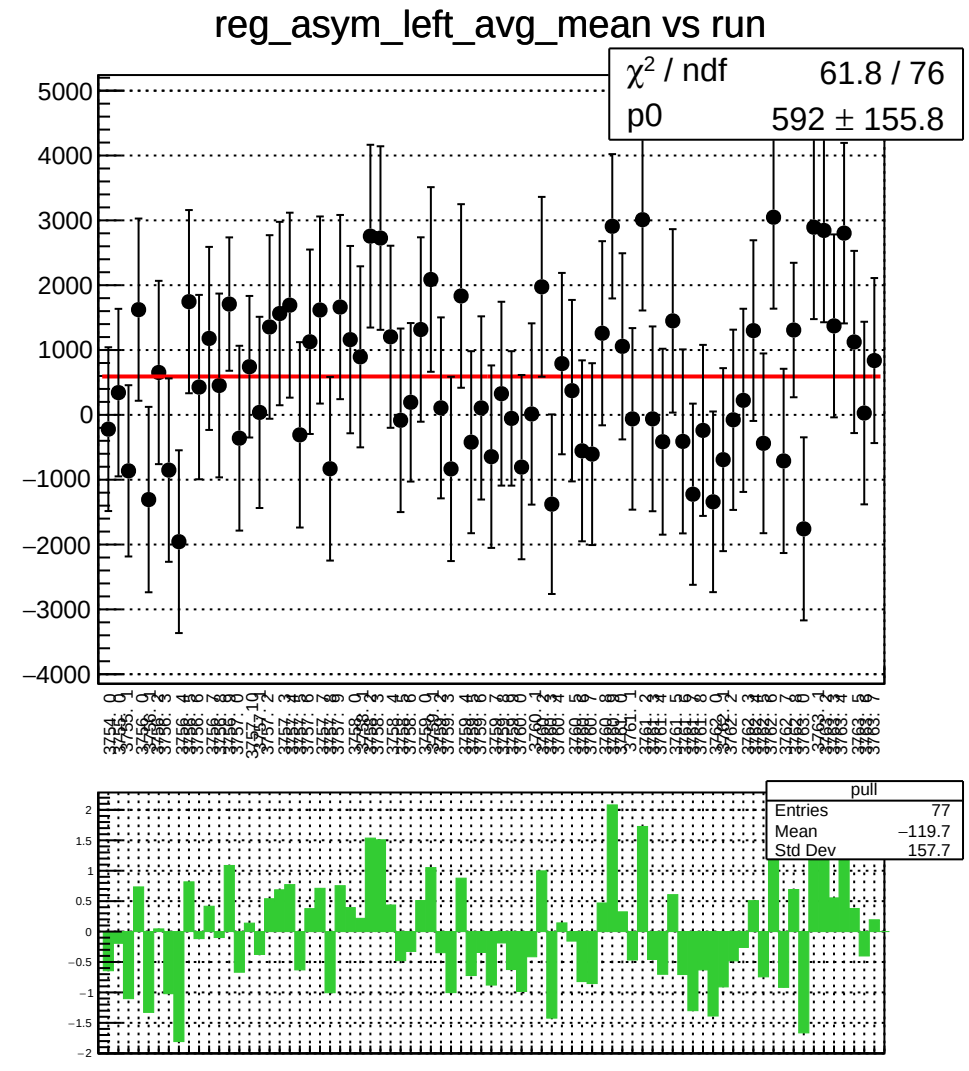

pull1D
Entries 77
Mean −0.01061
Std Dev 0.9515

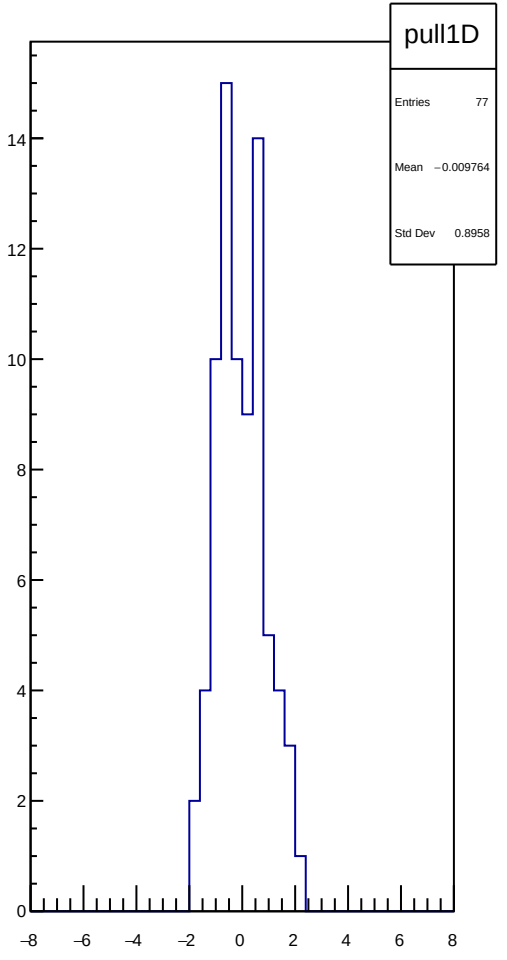

asym_dsr_correction_rms vs run
χ² / ndf 1362 / 76
p0 513.1 ± 0.4216
600
580
560
540
520
500
480

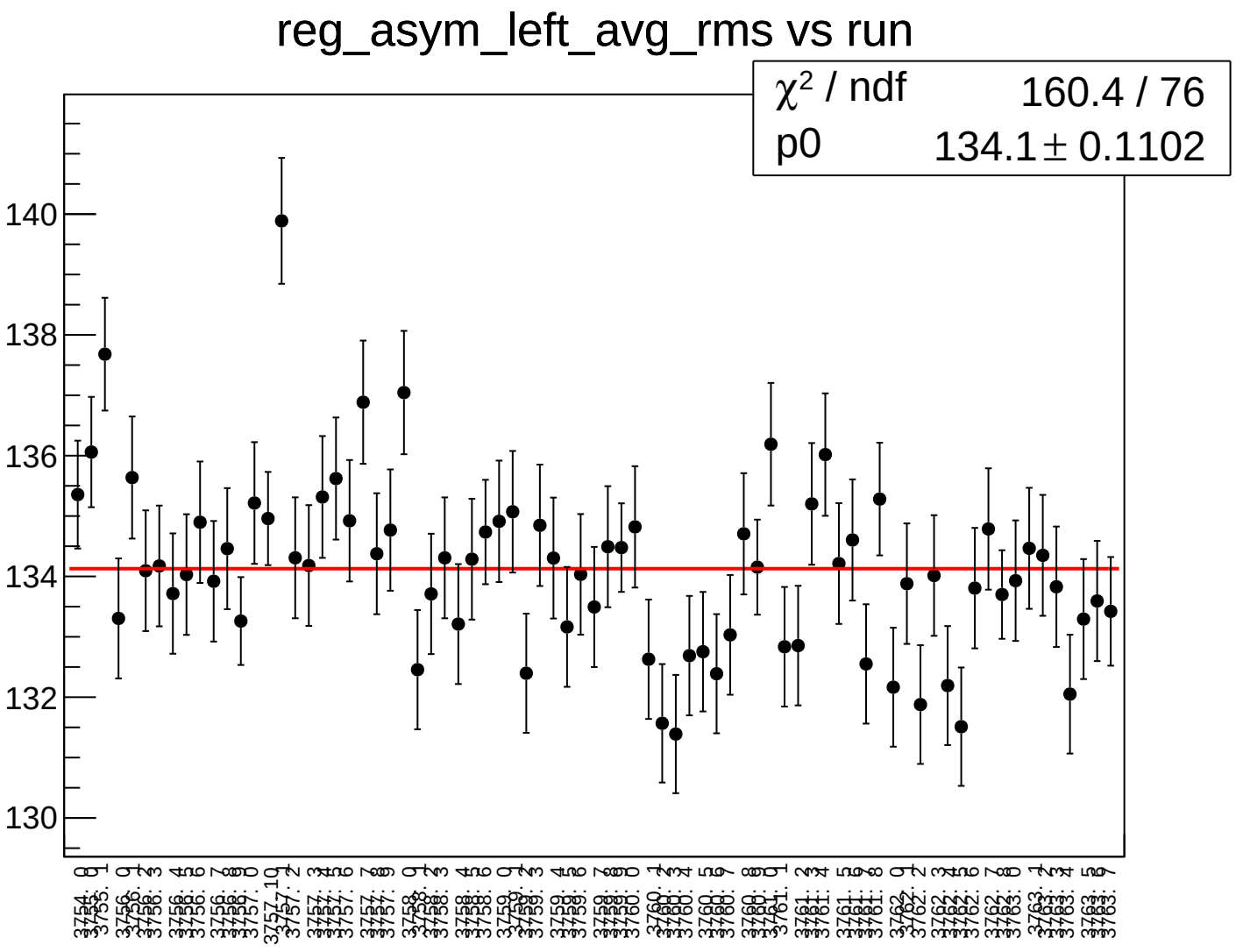

asym_dsr_mean vs run
χ^2 / ndf 64.07 / 76
p0 1055 ± 616.7
pull
Entries 77
Mean 138.6
Std Dev 26.59

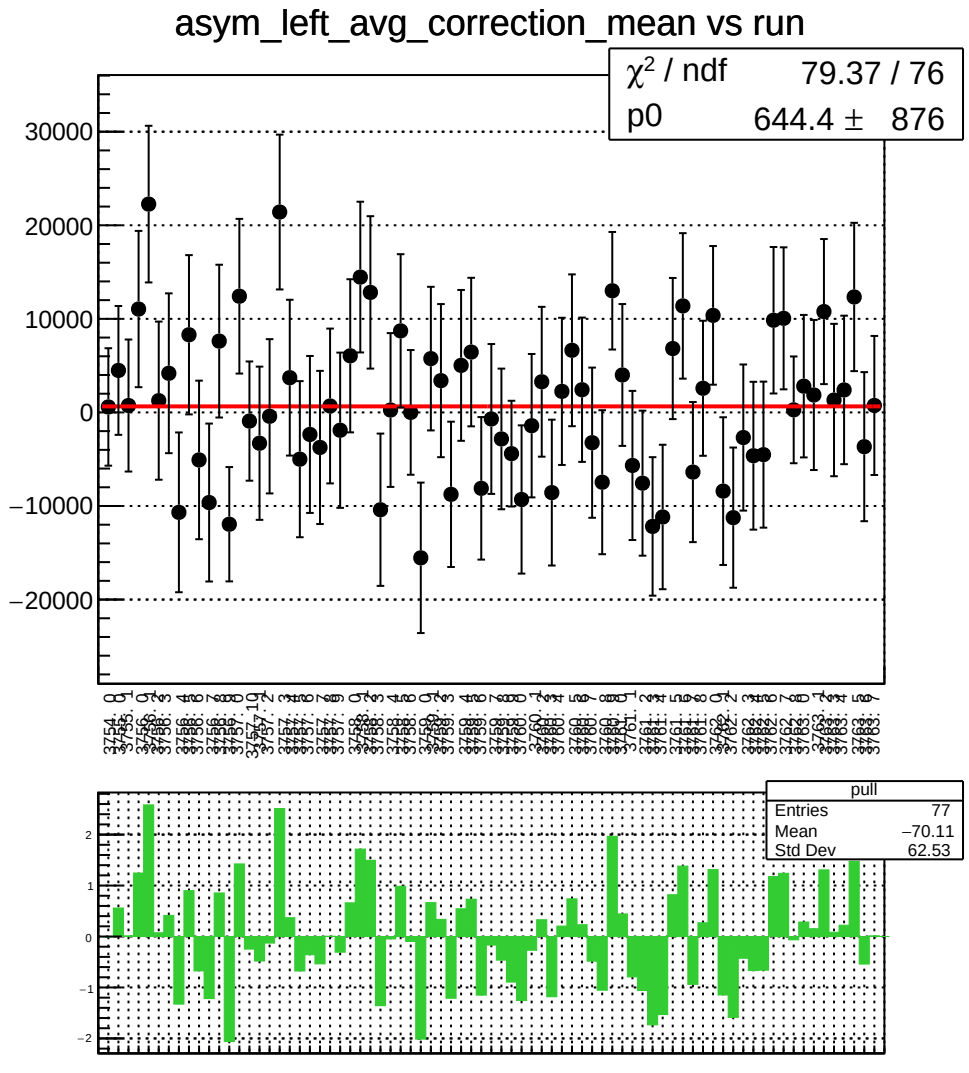

pull1D
Entries 77
Mean 0.01004
Std Dev 0.9122

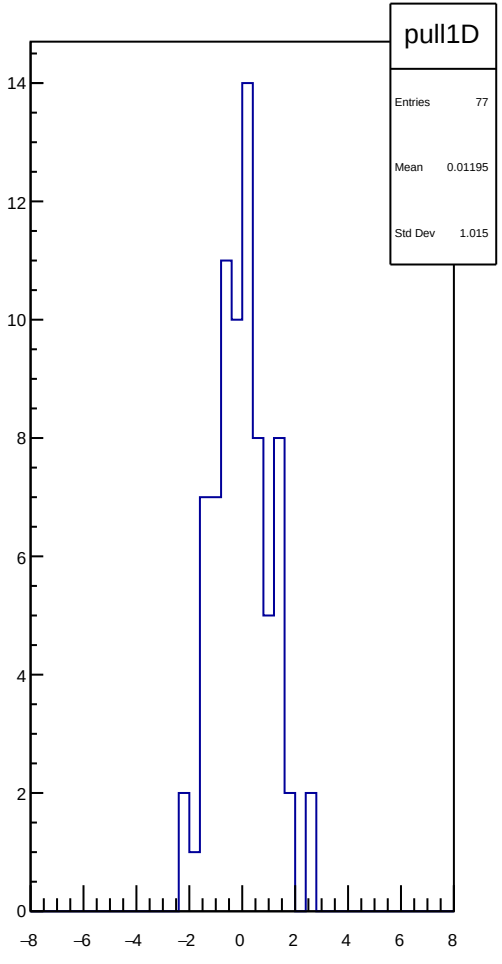

asym_dsr_rms vs run
χ² / ndf 1211 / 76
p0 530.7 ± 0.4361
620
600
580
560
540
520
500

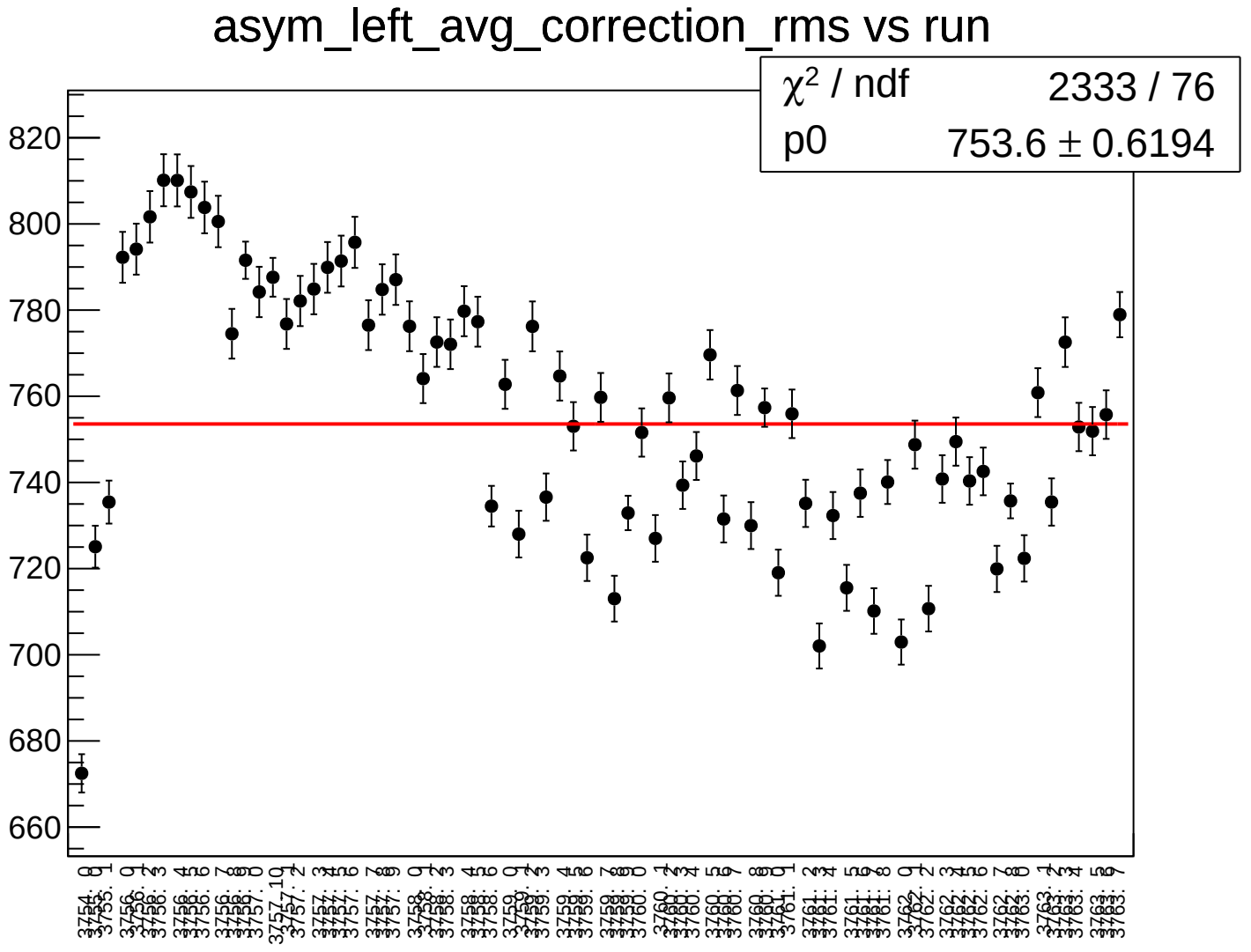

reg_asym_left_avg_mean vs run
χ² / ndf 61.8 / 76
p0 592 ± 155.8
pull
Entries 77
Mean −119.7
Std Dev 157.7

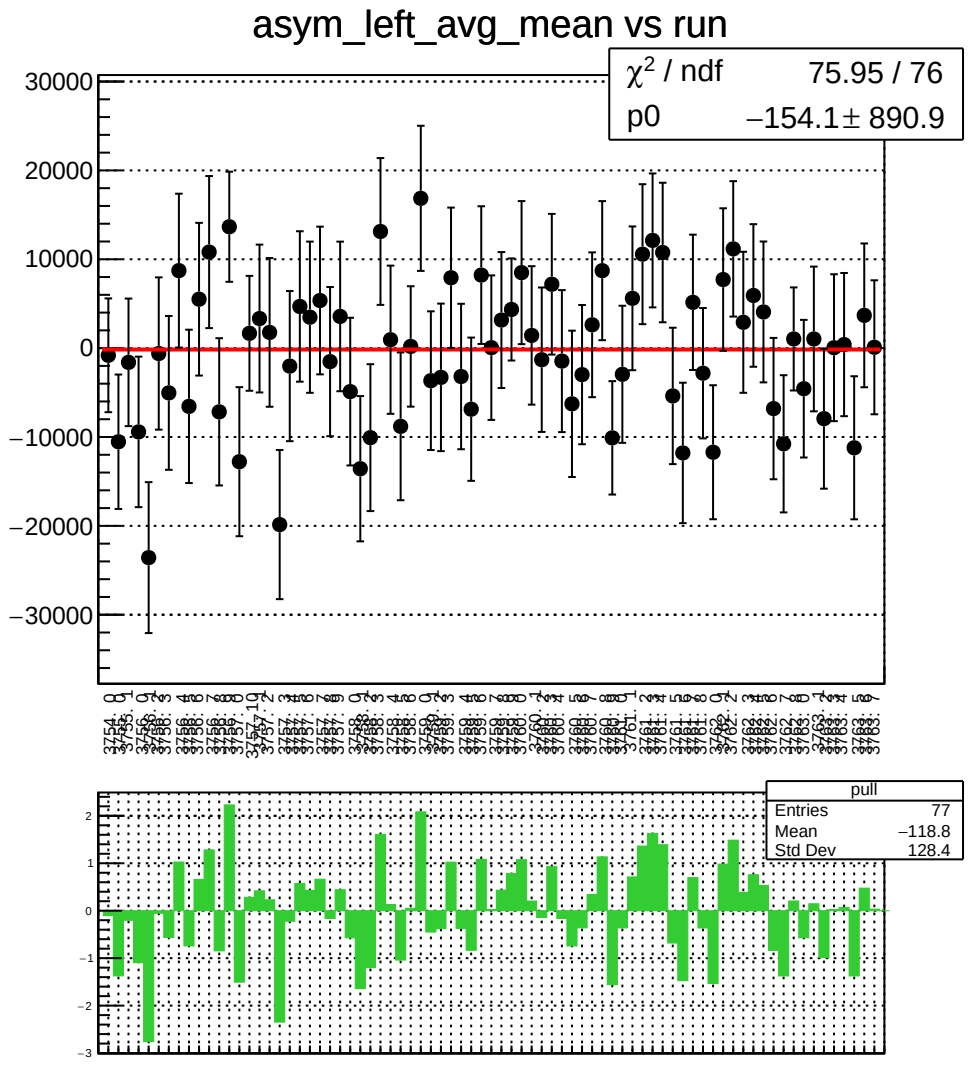

pull1D
Entries 77
Mean −0.009764
Std Dev 0.8958

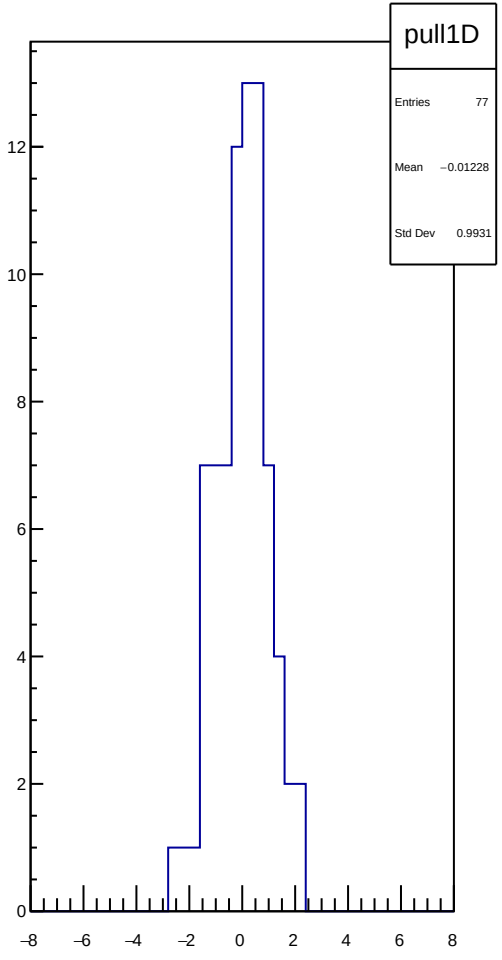

reg_asym_left_avg_rms vs run
χ² / ndf 160.4 / 76
p0 134.1 ± 0.1102
140
138
136
134
132
130

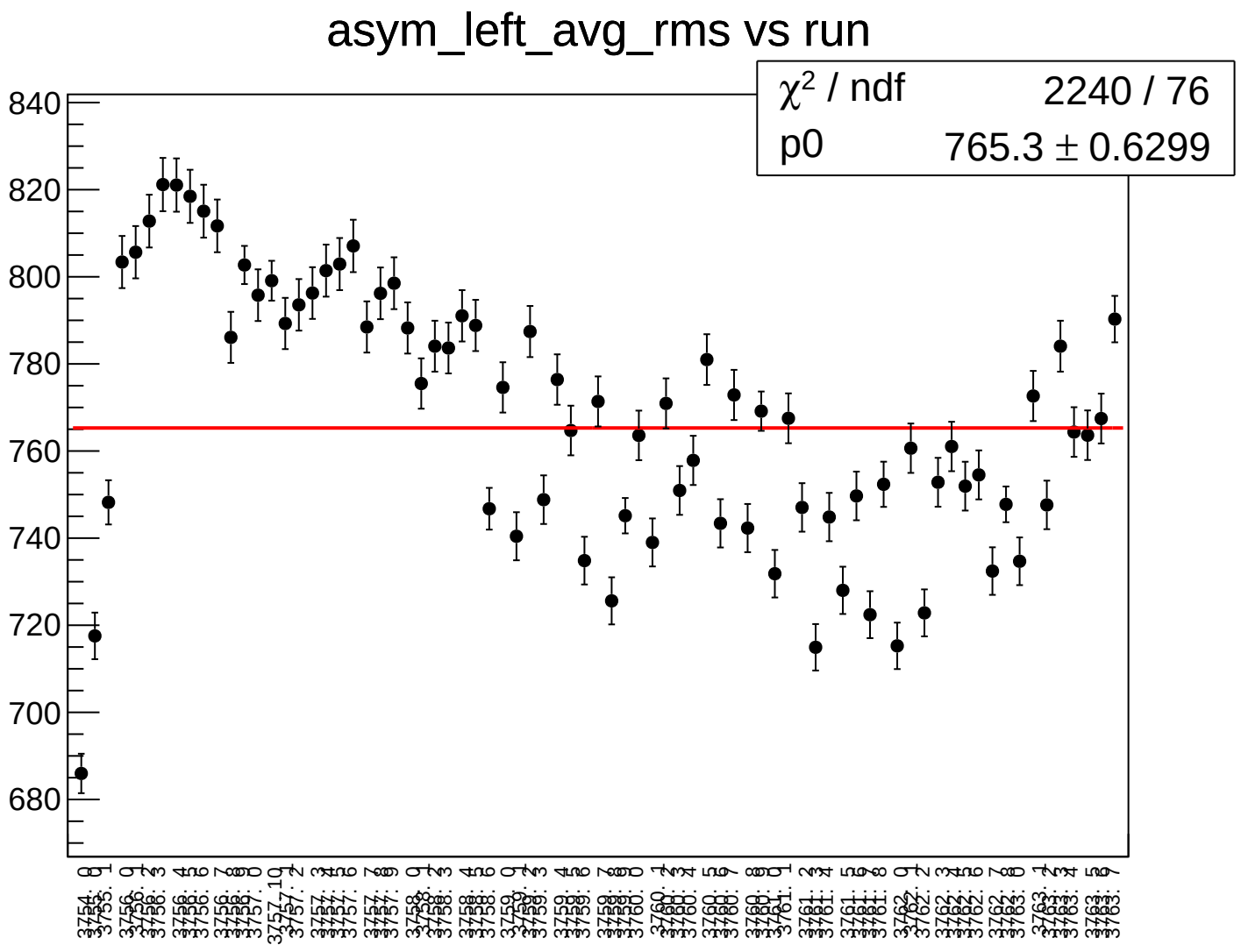

asym_left_avg_correction_mean vs run
χ² / ndf 79.37 / 76
p0 644.4 ± 876
pull
Entries 77
Mean −70.11
Std Dev 62.53

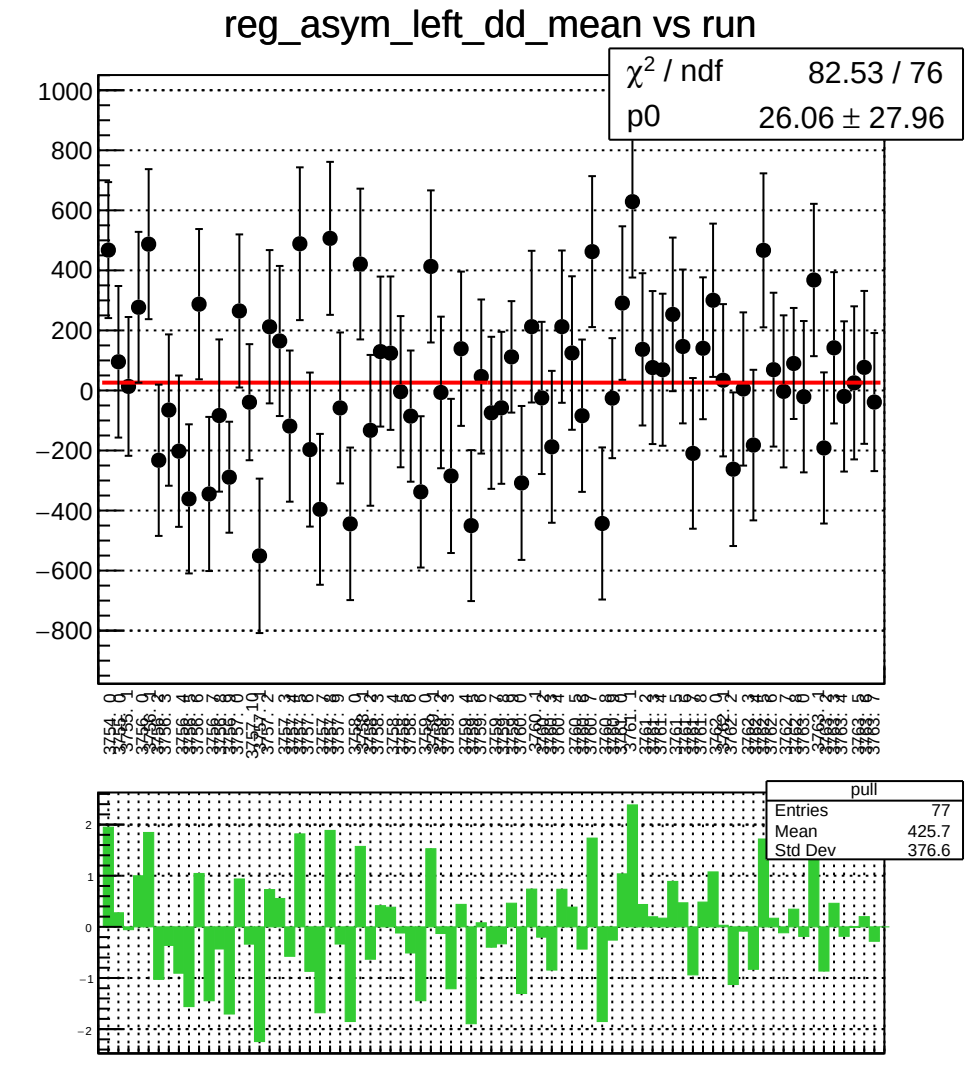

pull1D
Entries 77
Mean 0.01195
Std Dev 1.015

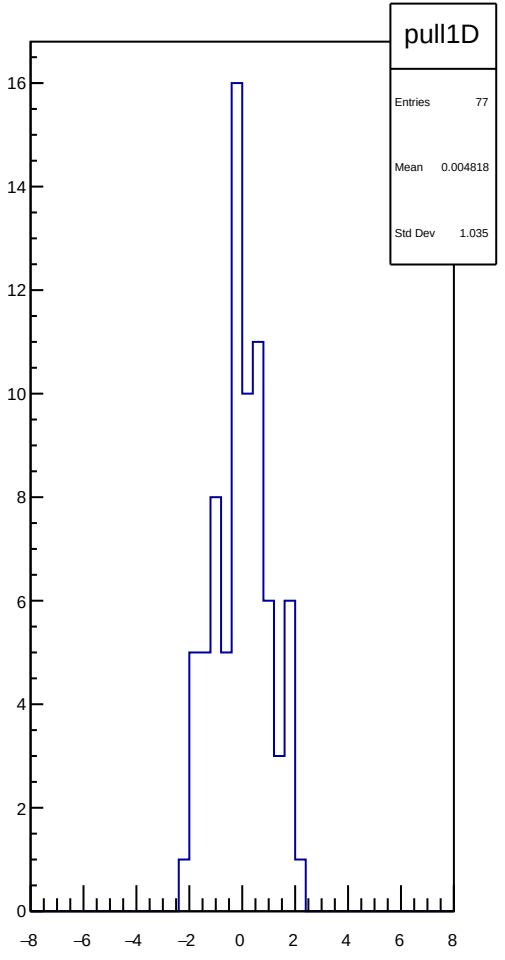

asym_left_avg_correction_rms vs run
χ² / ndf 2333 / 76
p0 753.6 ± 0.6194
820
800
780
760
740
720
700
680
660

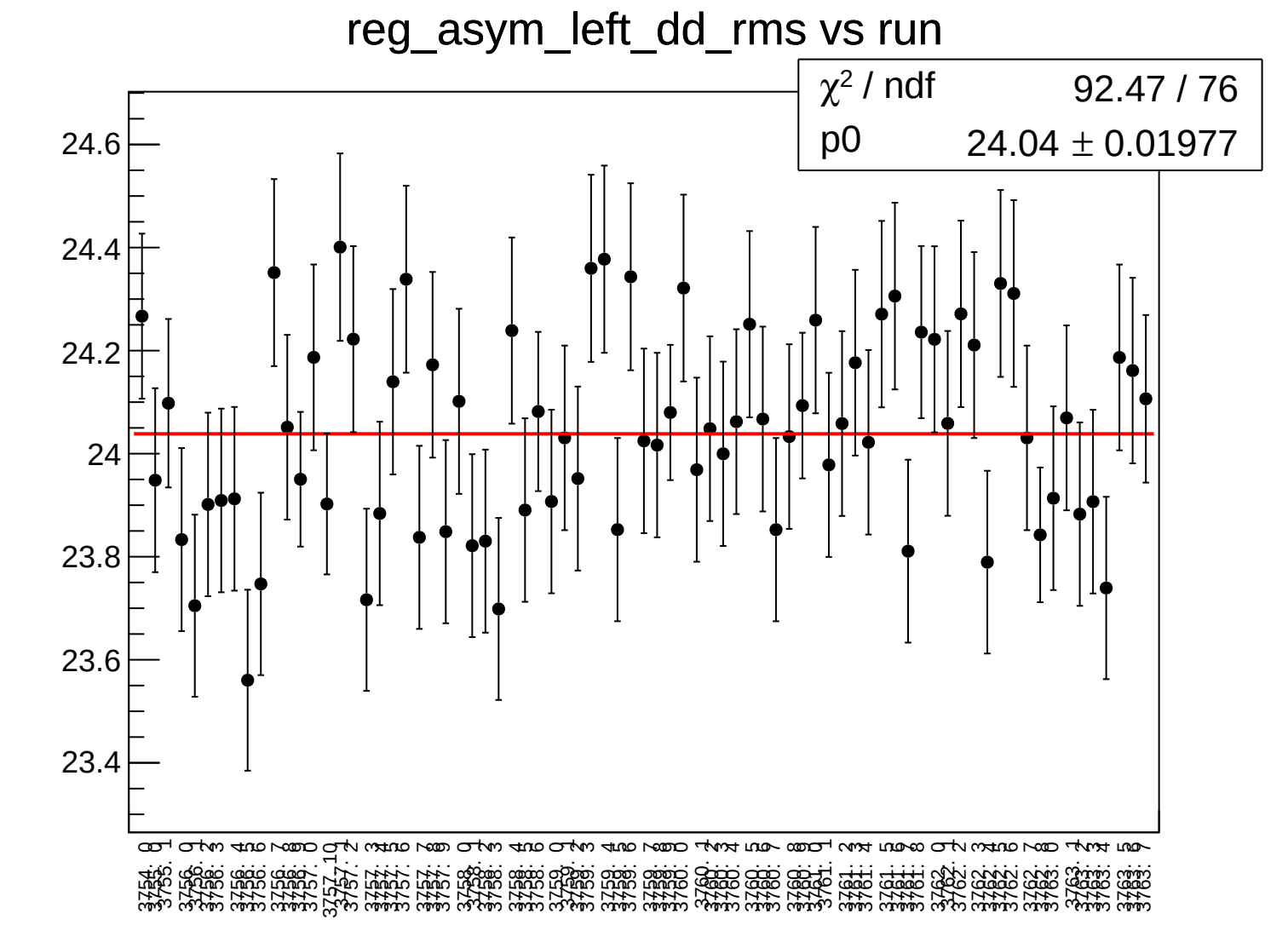

asym_left_avg_mean vs run
χ² / ndf 75.95 / 76
p0 −154.1± 890.9
pull
Entries 77
Mean −118.8
Std Dev 128.4

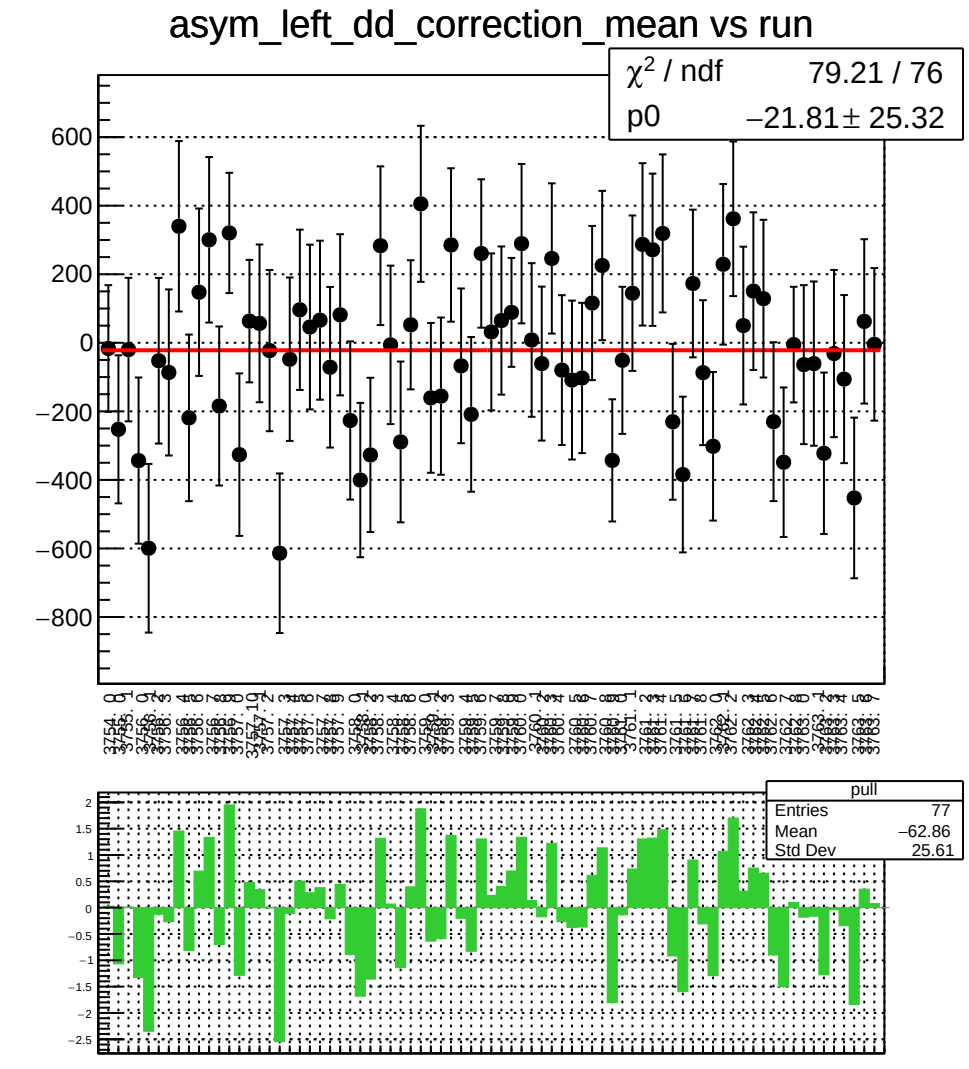

pull1D
Entries 77
Mean −0.01228
Std Dev 0.9931

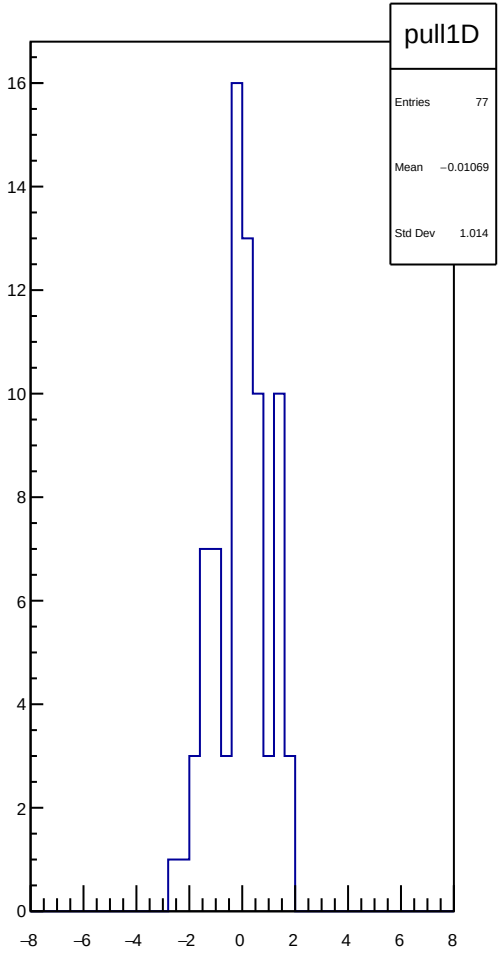

asym_left_avg_rms vs run
χ² / ndf 2240 / 76
p0 765.3 ± 0.6299
840
820
800
780
760
740
720
700
680

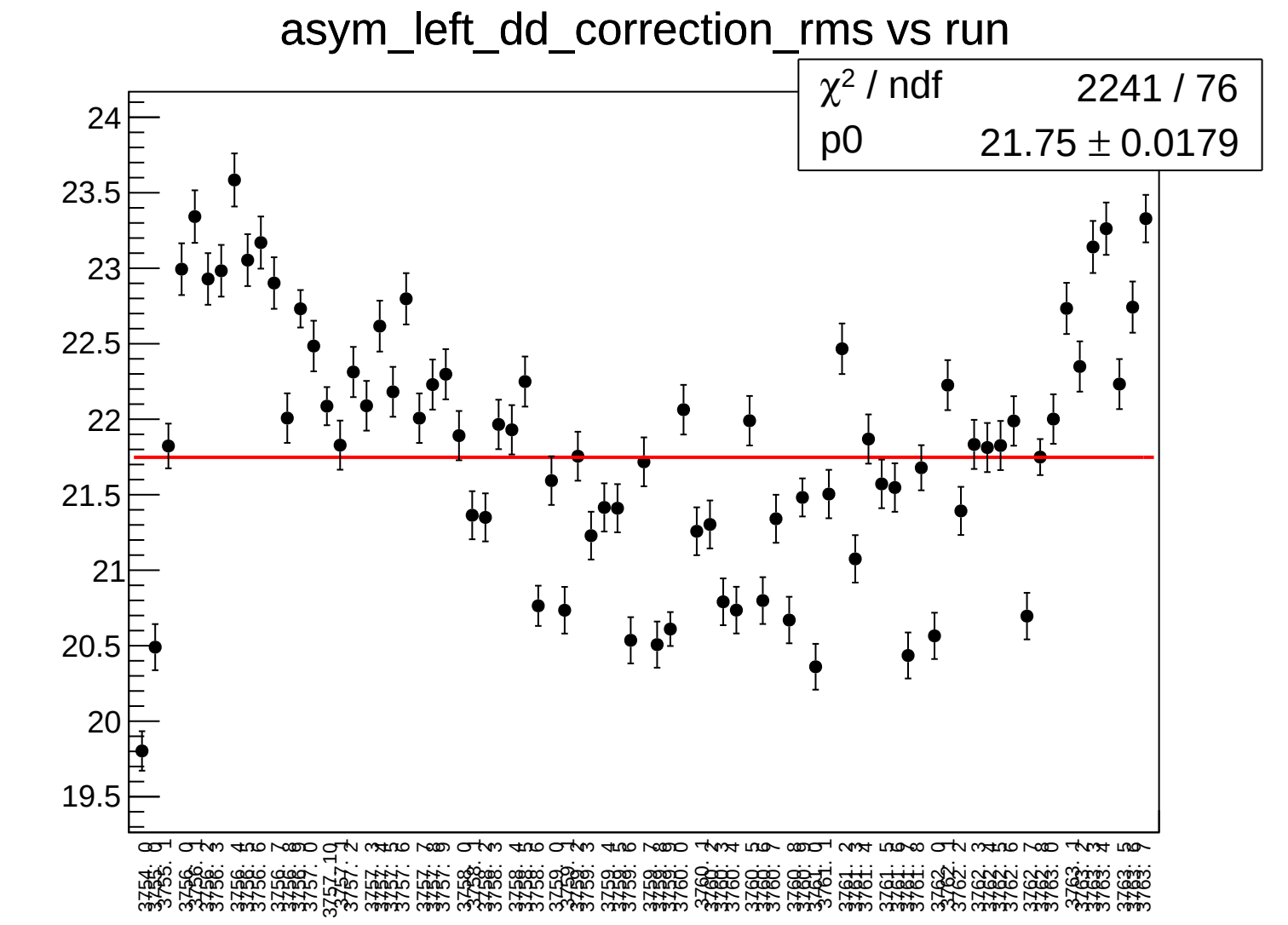

reg_asym_left_dd_mean vs run
χ² / ndf 82.53 / 76
p0 26.06 ± 27.96
pull
Entries 77
Mean 425.7
Std Dev 376.6

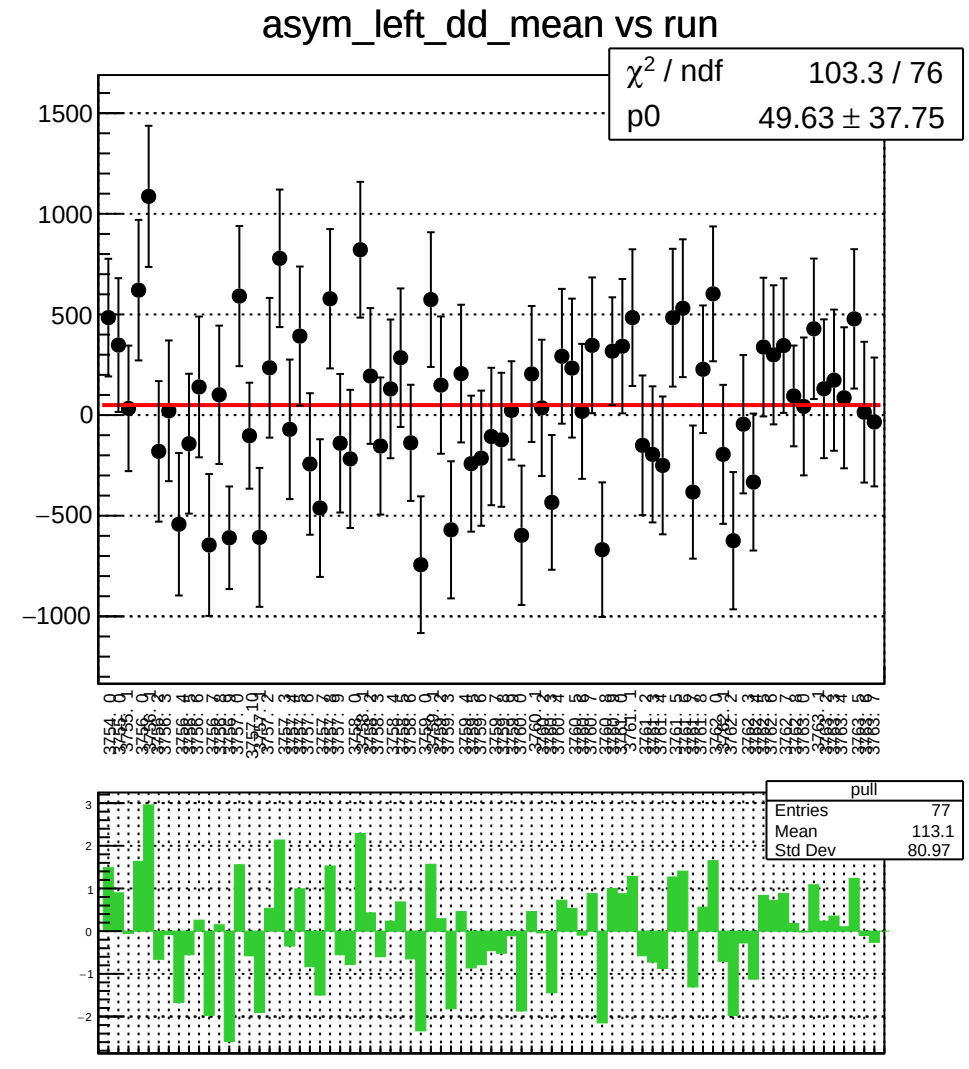

pull1D
Entries 77
Mean 0.004818
Std Dev 1.035

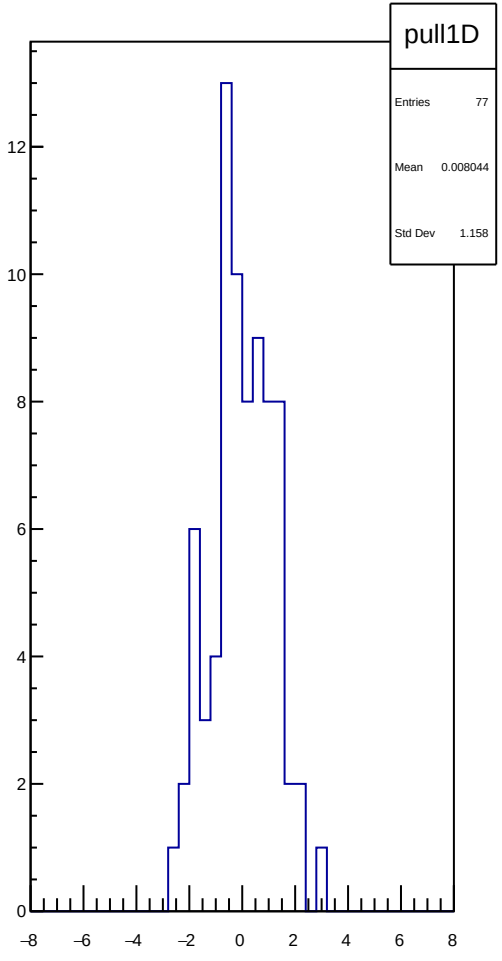

reg_asym_left_dd_rms vs run
χ² / ndf 92.47 / 76
p0 24.04 ± 0.01977
24.6
24.4
24.2
24
23.8
23.6
23.4

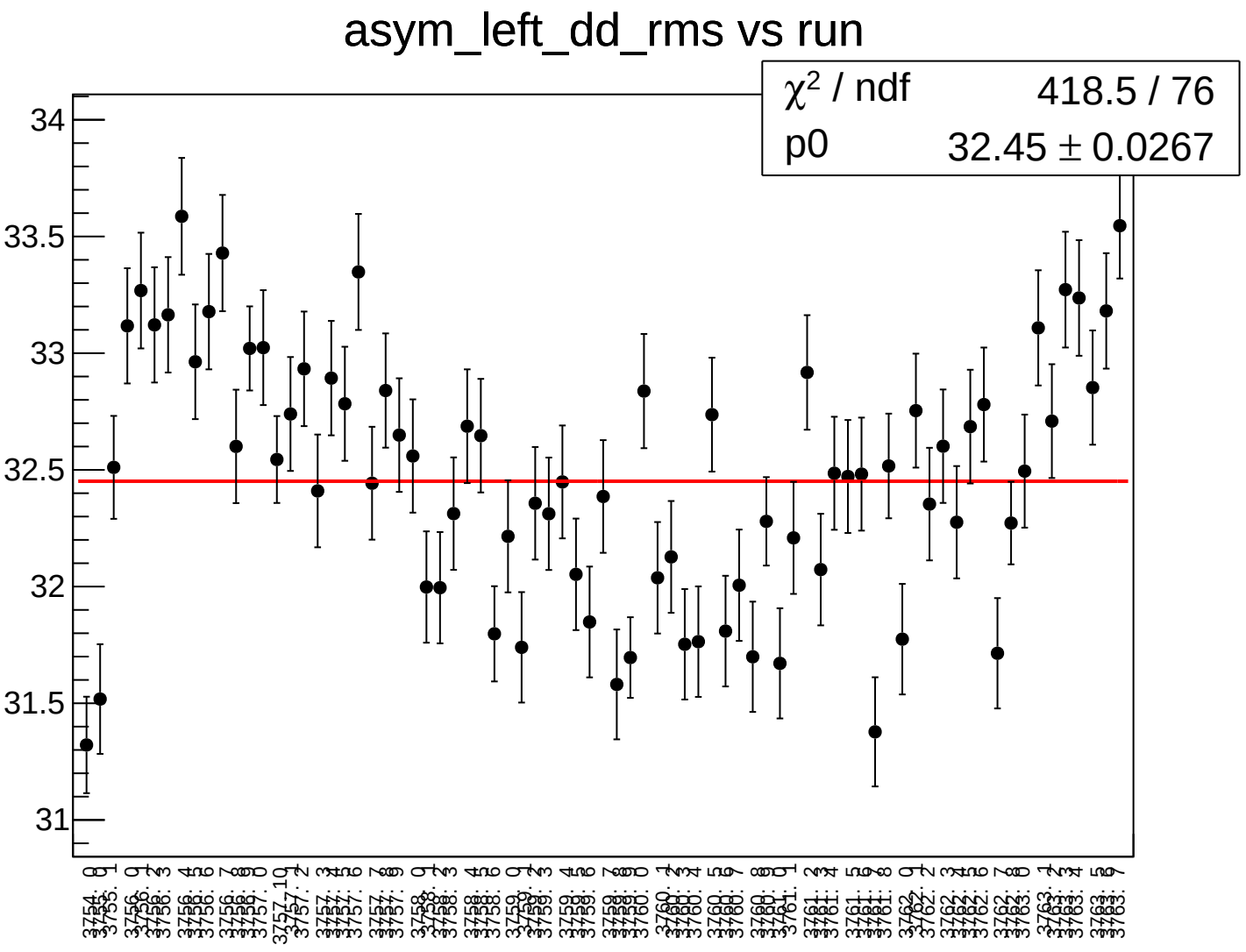

asym_left_dd_correction_mean vs run
χ² / ndf 79.21 / 76
p0 −21.81 ± 25.32
pull
Entries 77
Mean −62.86
Std Dev 25.61

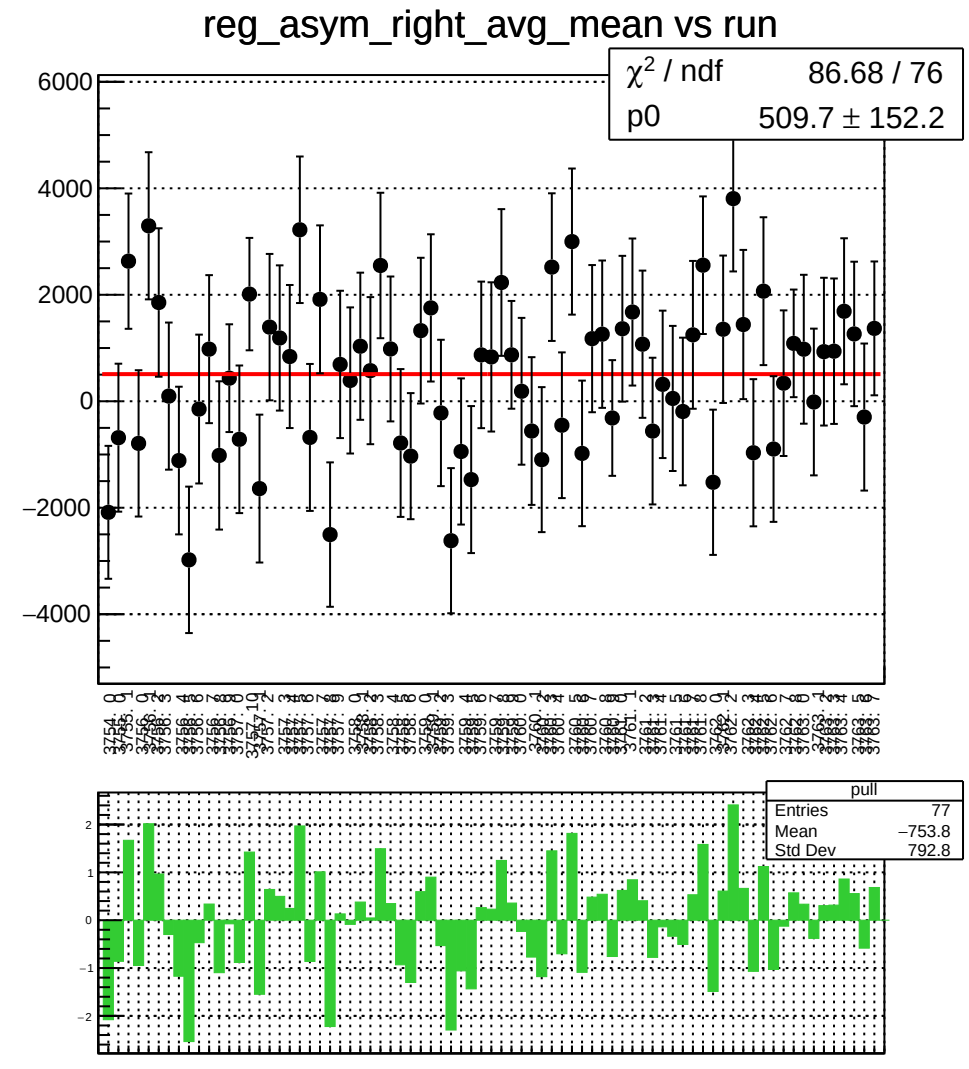

pull1D
Entries 77
Mean −0.01069
Std Dev 1.014

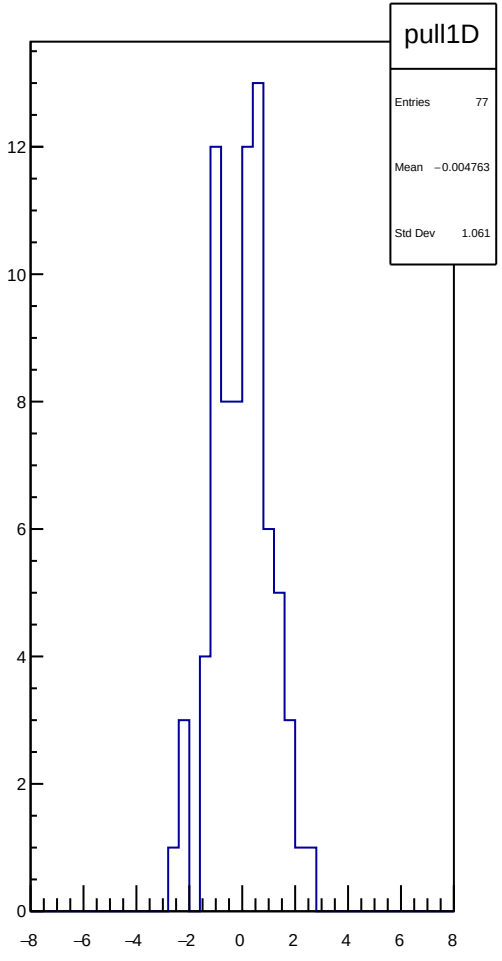

asym_left_dd_correction_rms vs run
χ² / ndf 2241 / 76
p0 21.75 ± 0.0179
24
23.5
23
22.5
22
21.5
21
20.5
20
19.5

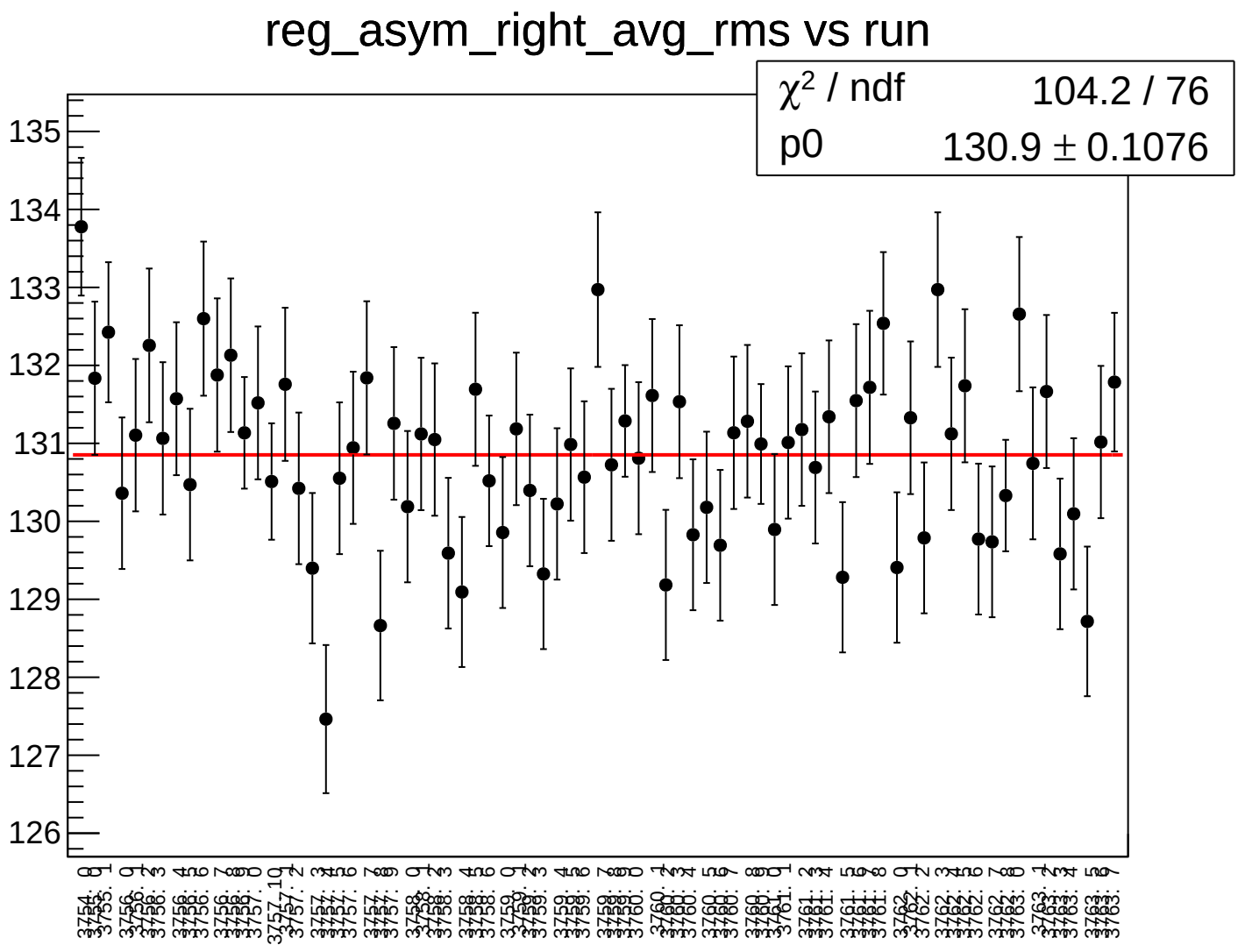

asym_left_dd_mean vs run
χ² / ndf 103.3 / 76
p0 49.63 ± 37.75
1500
1000
500
0
−500
−1000
pull
Entries 77
Mean 113.1
Std Dev 80.97
3
2
1
0
−1
−2

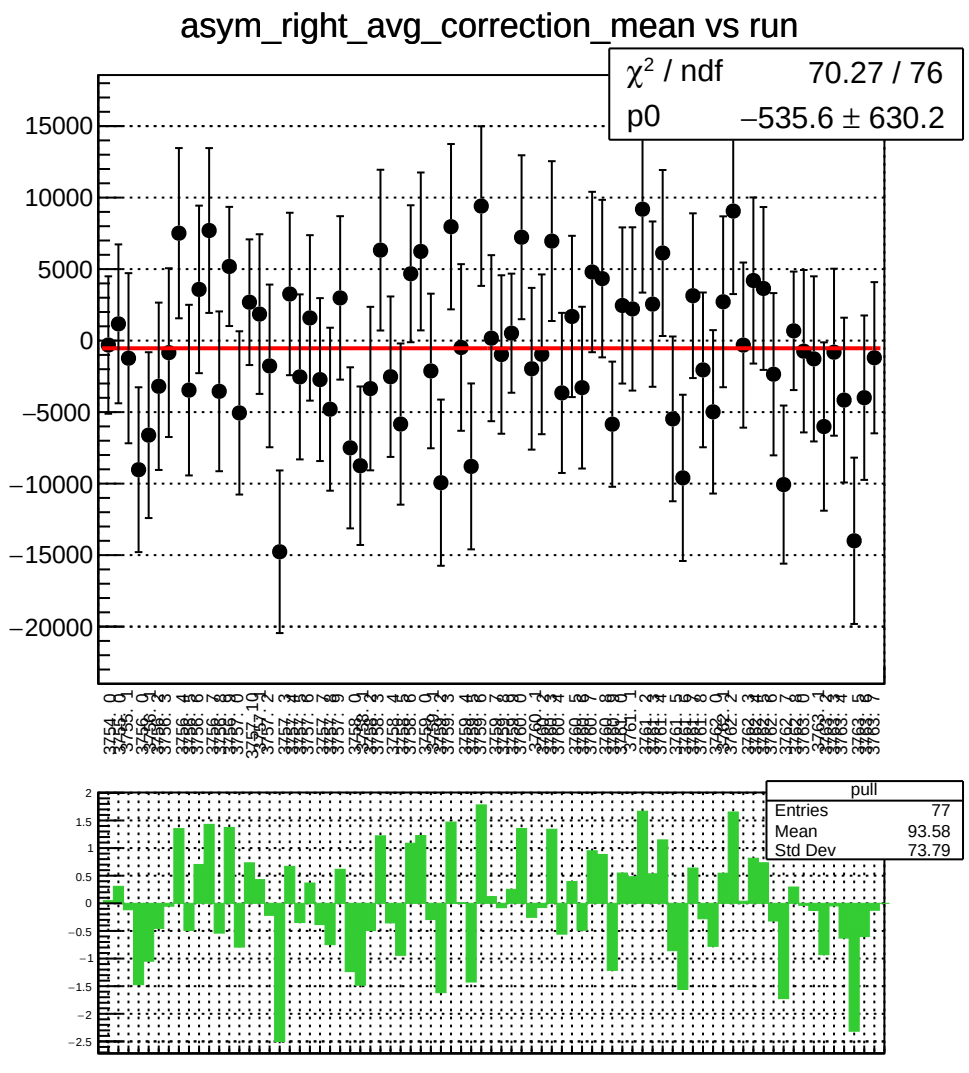

pull1D
Entries 77
Mean 0.008044
Std Dev 1.158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

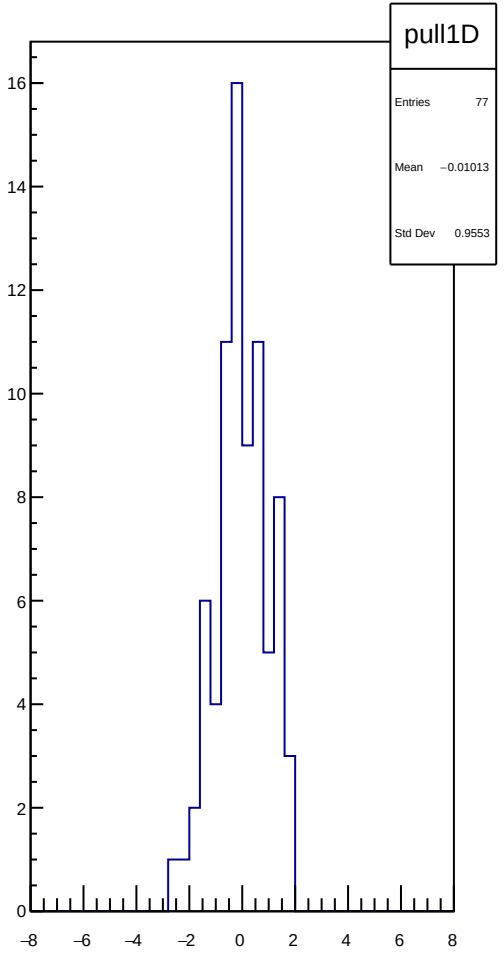

asym_left_dd_rms vs run
χ² / ndf 418.5 / 76
p0 32.45 ± 0.0267
34
33.5
33
32.5
32
31.5
31

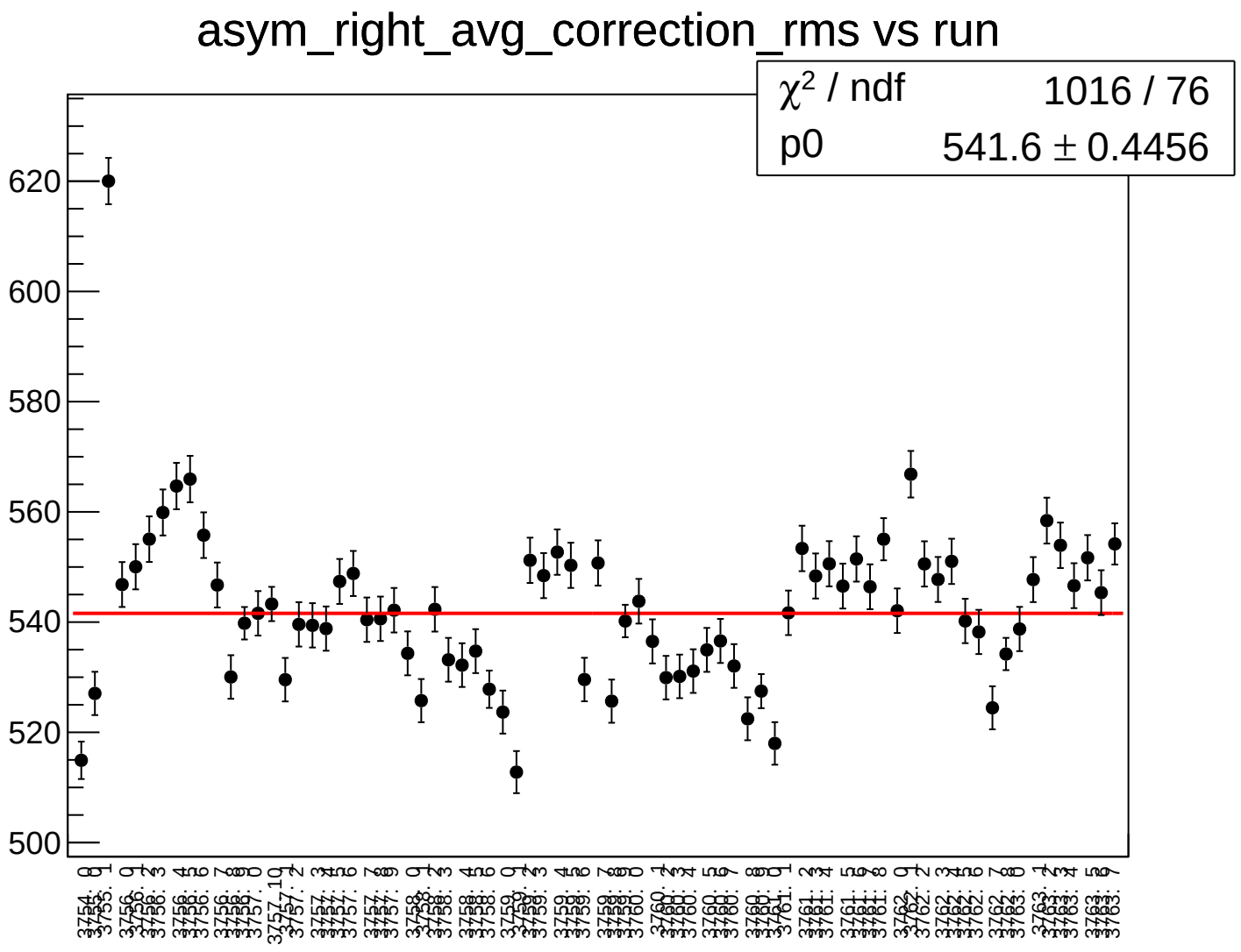

reg_asym_right_avg_mean vs run
χ² / ndf 86.68 / 76
p0 509.7 ± 152.2
pull
Entries 77
Mean −753.8
Std Dev 792.8

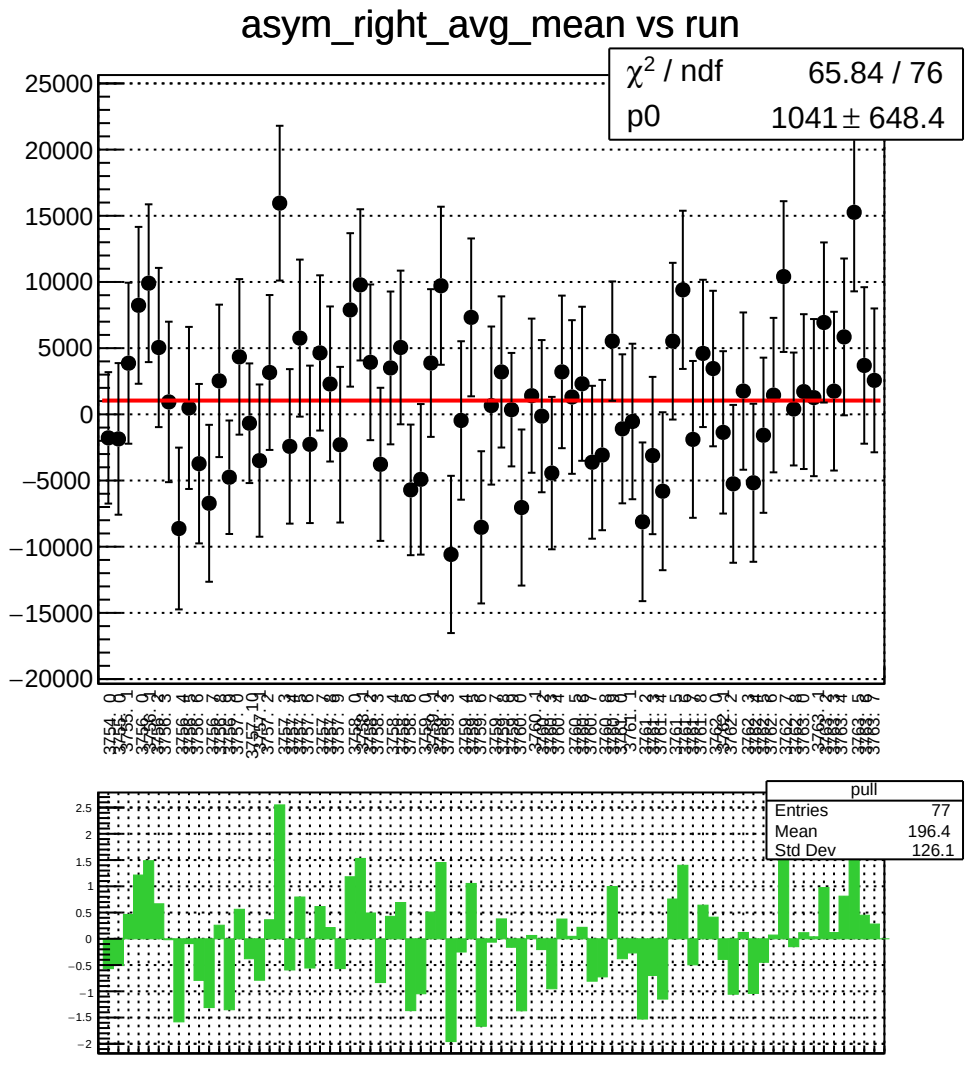

pull1D
Entries 77
Mean −0.004763
Std Dev 1.061

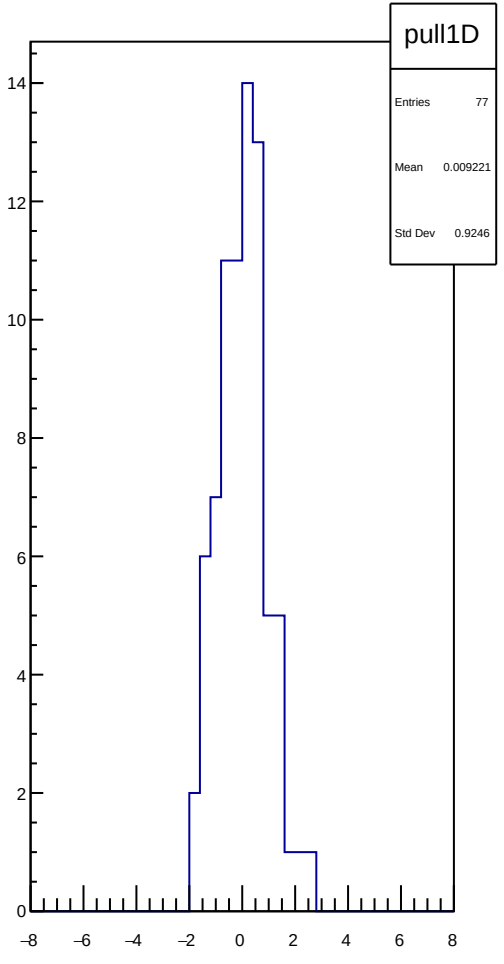

reg_asym_right_avg_rms vs run
χ^2 / ndf 104.2 / 76
p0 130.9 ± 0.1076
135
134
133
132
131
130
129
128
127
126

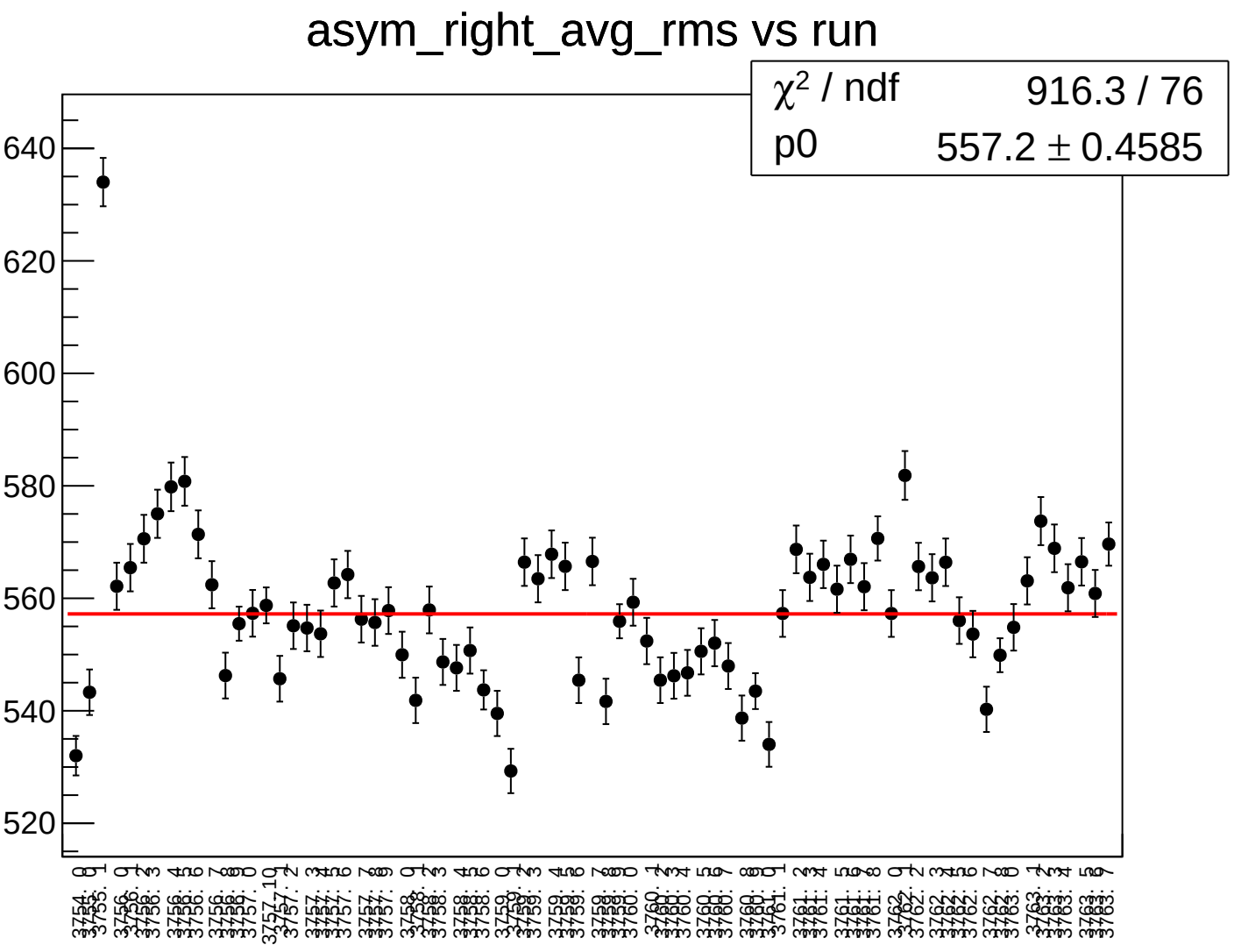

asym_right_avg_correction_mean vs run
χ² / ndf 70.27 / 76
p0 −535.6 ± 630.2
pull
Entries 77
Mean 93.58
Std Dev 73.79

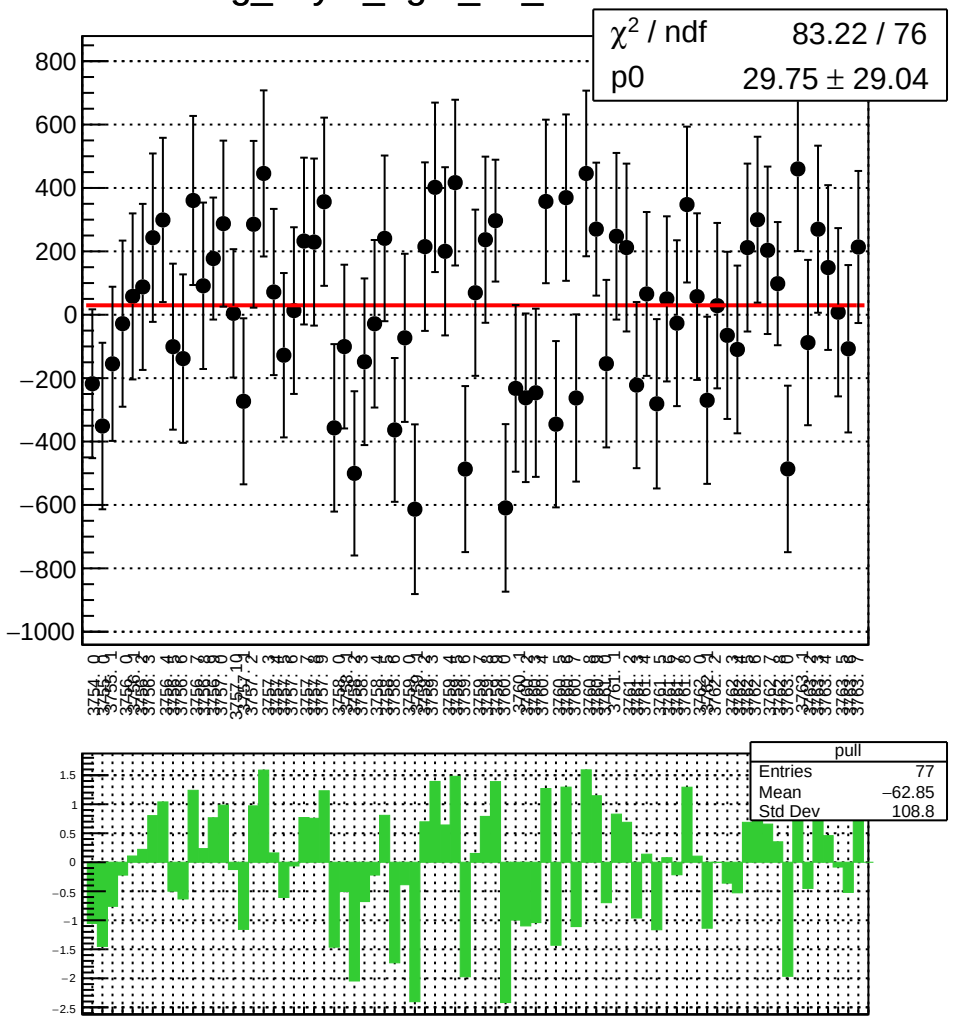

pull1D
Entries 77
Mean −0.01013
Std Dev 0.9553

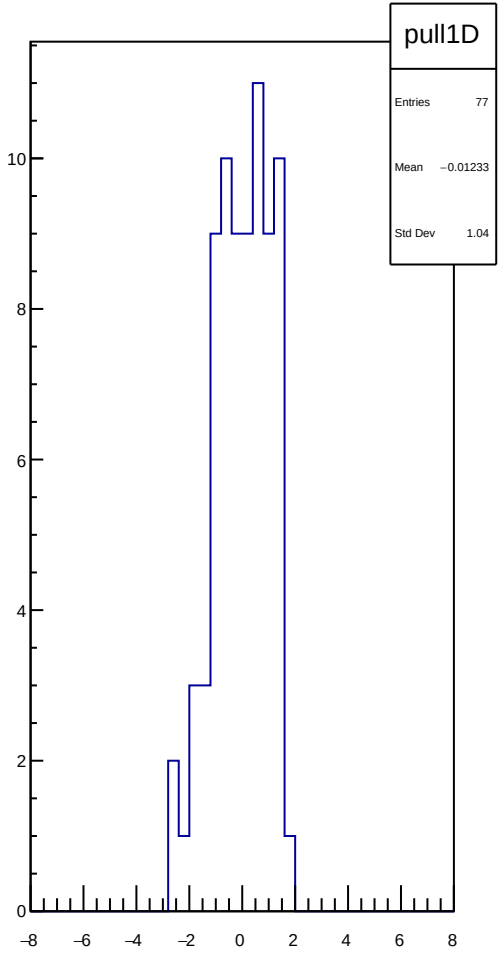

asym_right_avg_correction_rms vs run
χ² / ndf 1016 / 76
p0 541.6 ± 0.4456
620
600
580
560
540
520
500

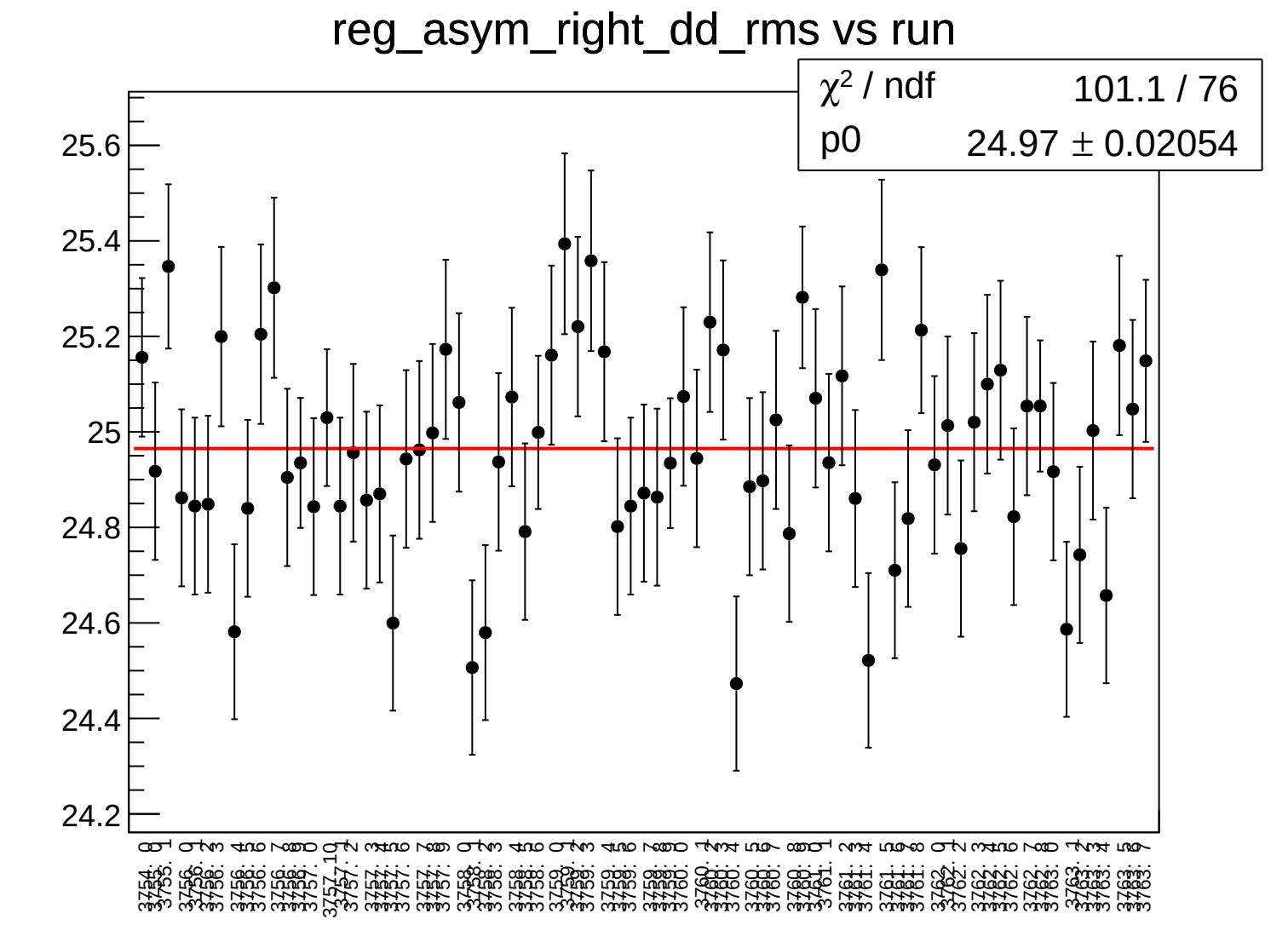

asym_right_avg_mean vs run
χ² / ndf 65.84 / 76
p0 1041 ± 648.4
pull
Entries 77
Mean 196.4
Std Dev 126.1

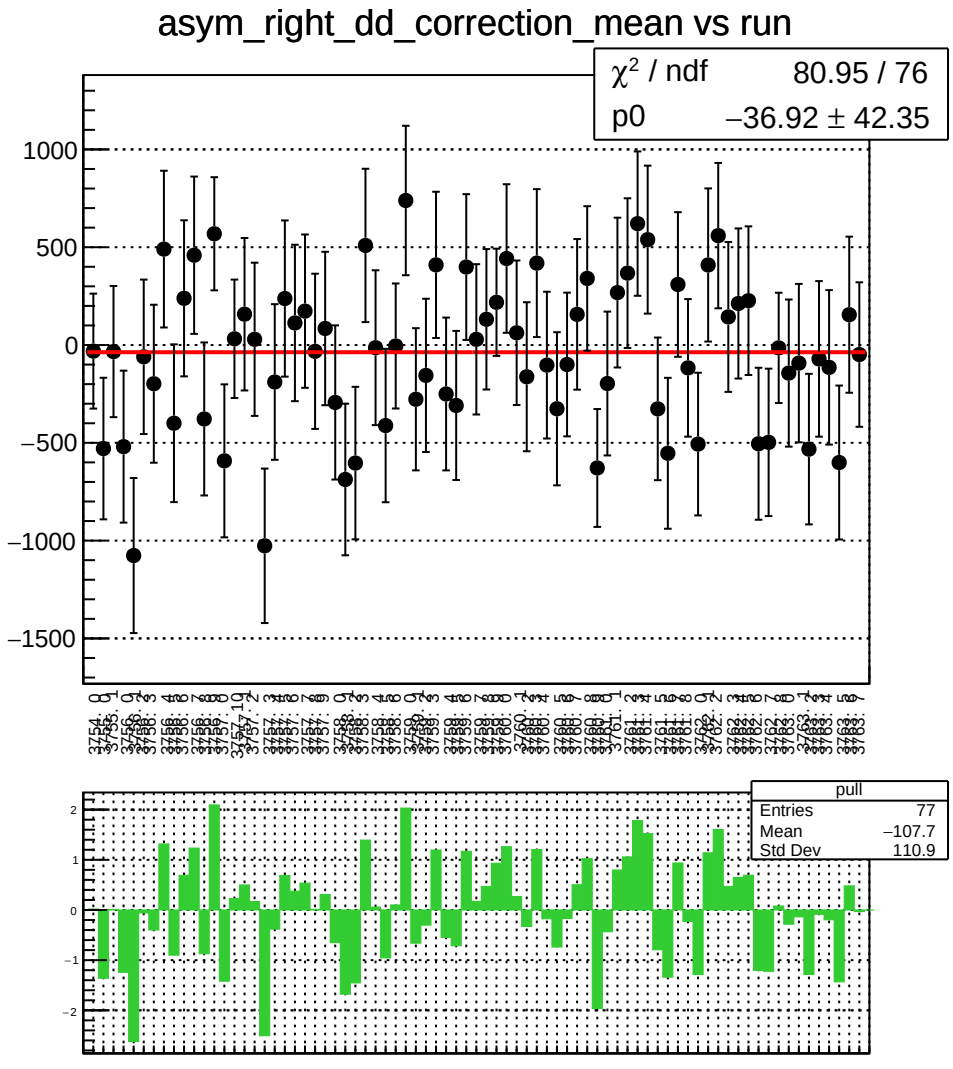

pull1D
Entries 77
Mean 0.009221
Std Dev 0.9246

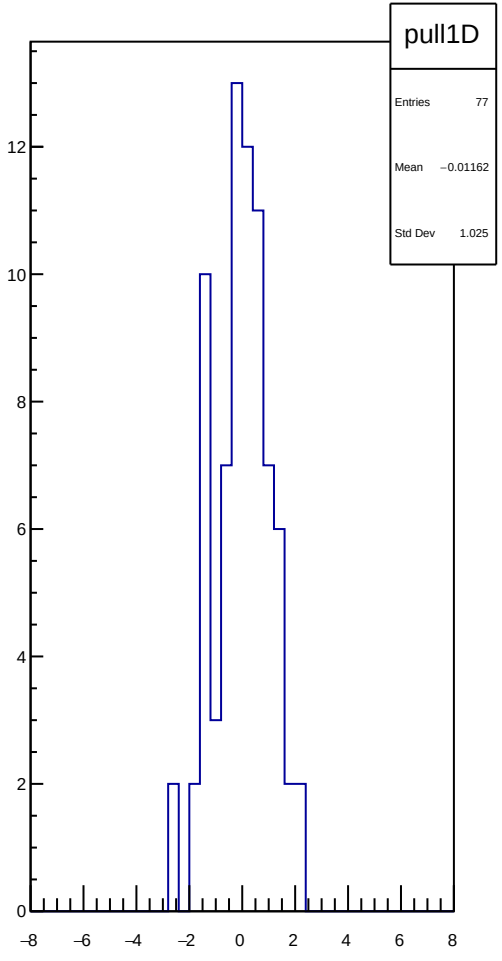

asym_right_avg_rms vs run
χ^2 / ndf 916.3 / 76
p0 557.2 ± 0.4585
640
620
600
580
560
540
520

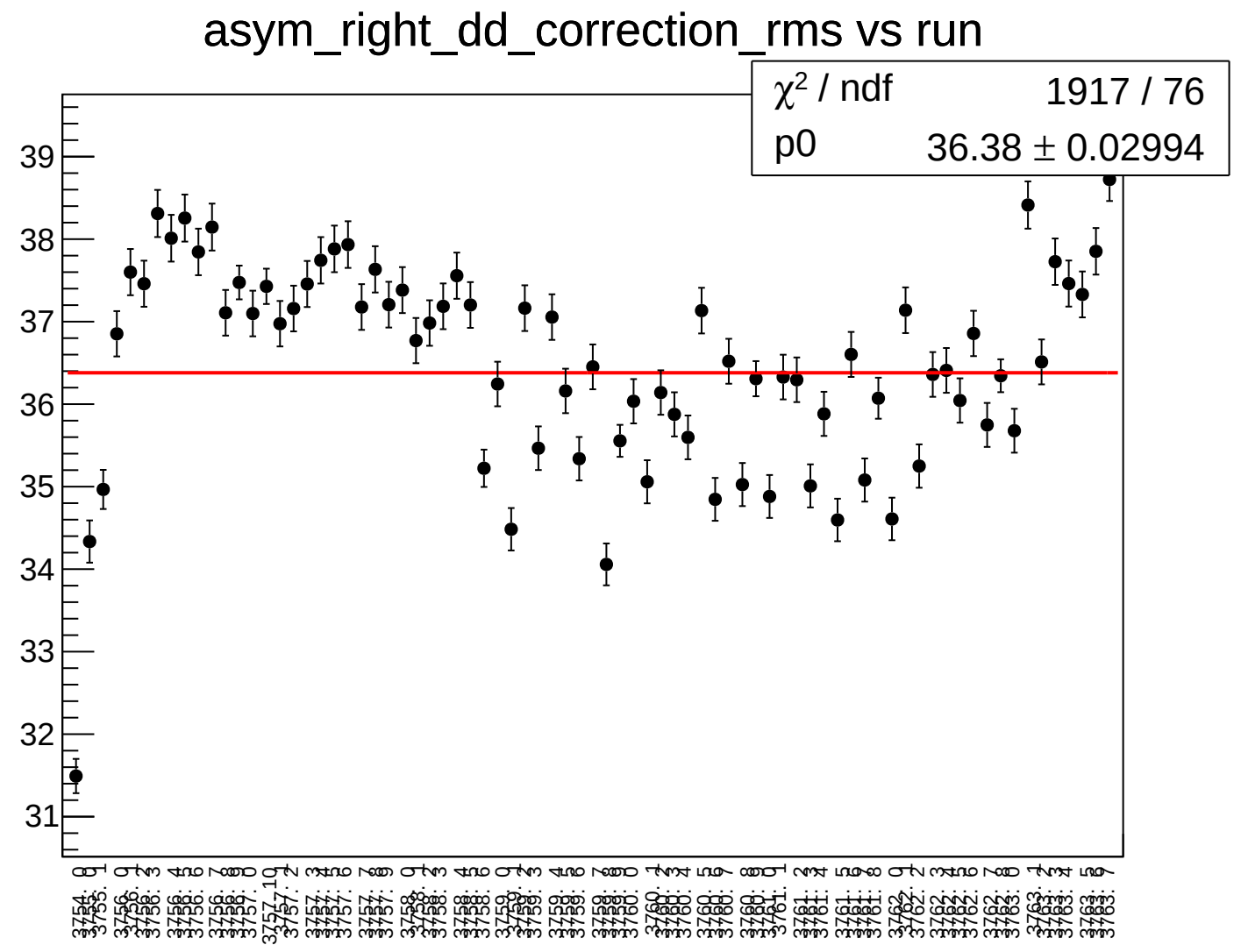

reg_asym_right_dd_mean vs run
χ^2 / ndf 83.22 / 76
p0 29.75 ± 29.04
pull
Entries 77
Mean −62.85
Std Dev 108.8

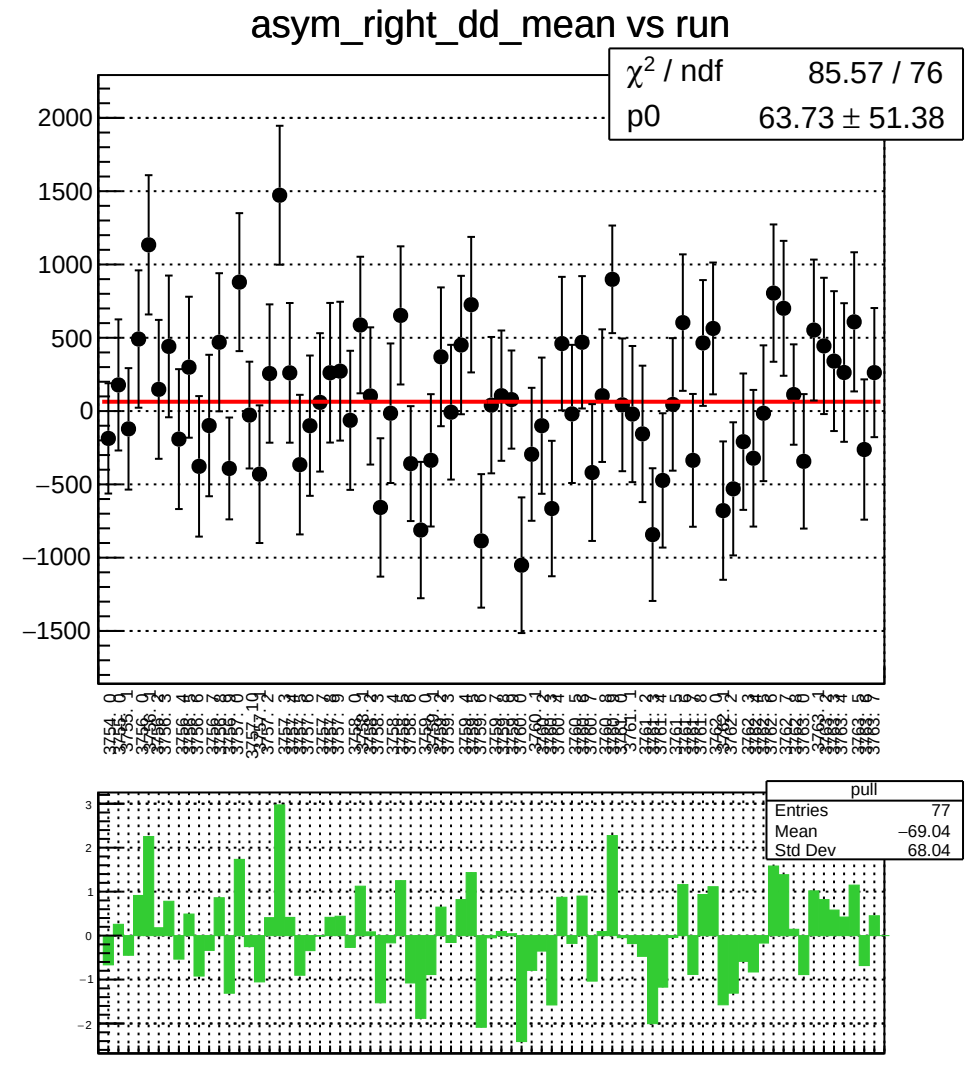

pull1D
Entries 77
Mean −0.01233
Std Dev 1.04

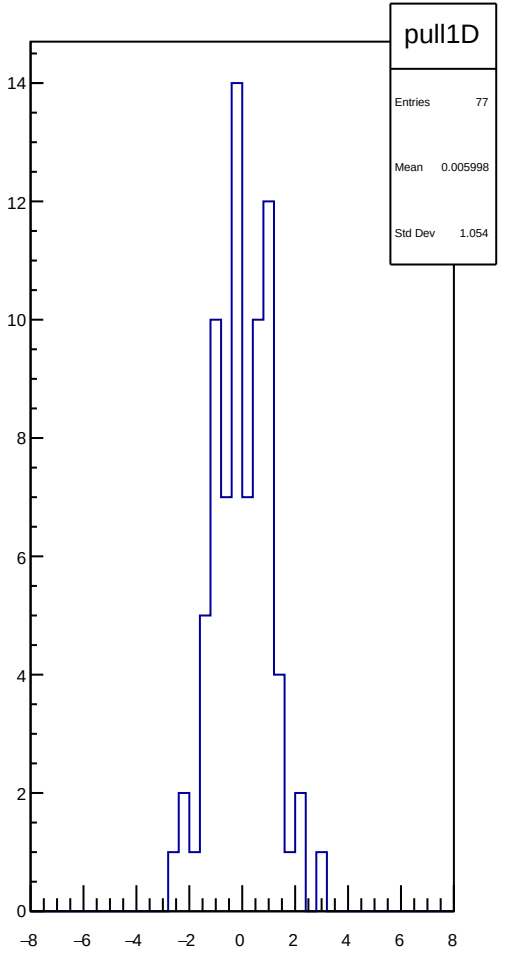

reg_asym_right_dd_rms vs run
χ² / ndf 101.1 / 76
p0 24.97 ± 0.02054
25.6
25.4
25.2
25
24.8
24.6
24.4
24.2

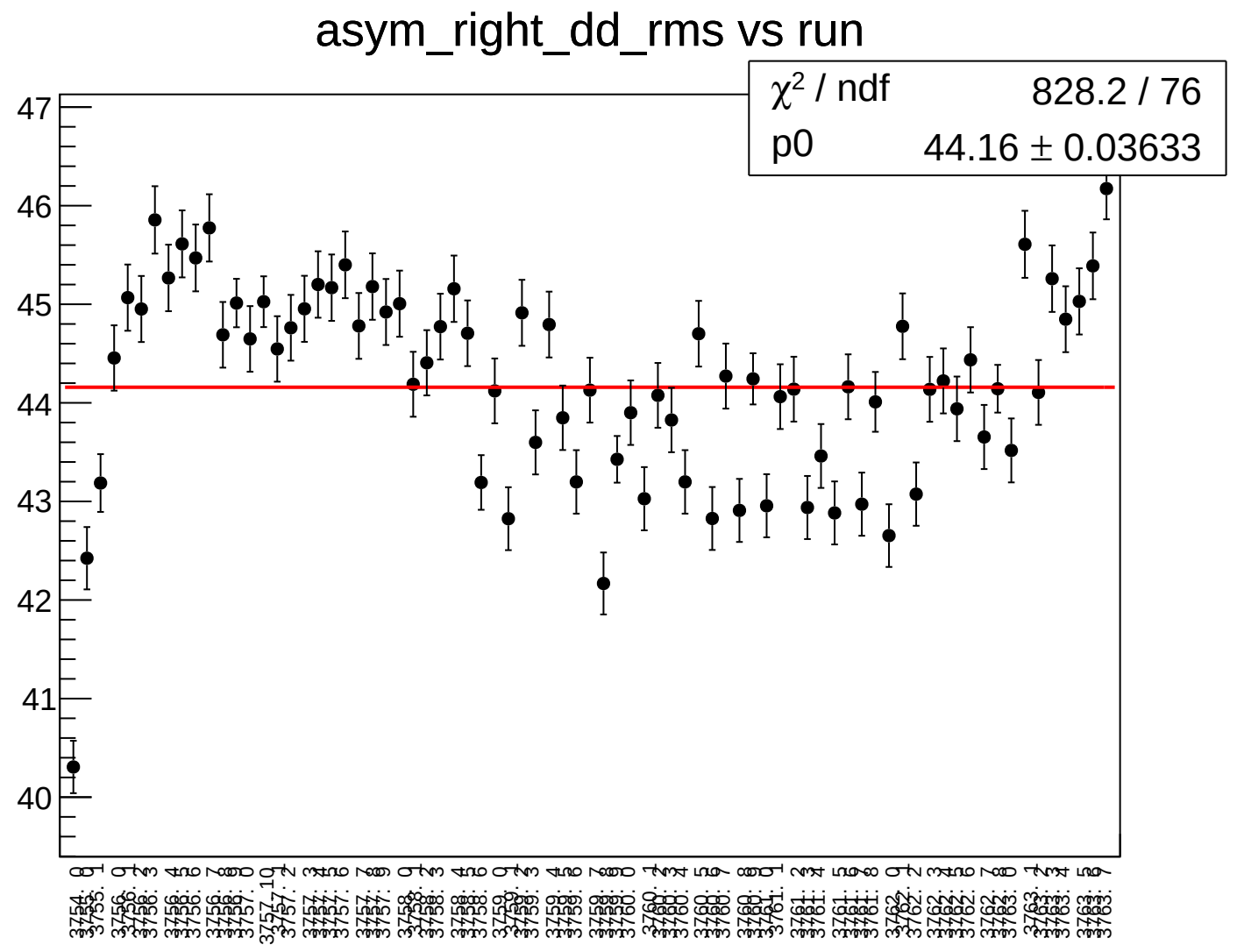

asym_right_dd_correction_mean vs run
χ² / ndf 80.95 / 76
p0 −36.92 ± 42.35
1000
500
0
−500
−1000
−1500
pull
Entries 77
Mean −107.7
Std Dev 110.9
2
1
0
−1

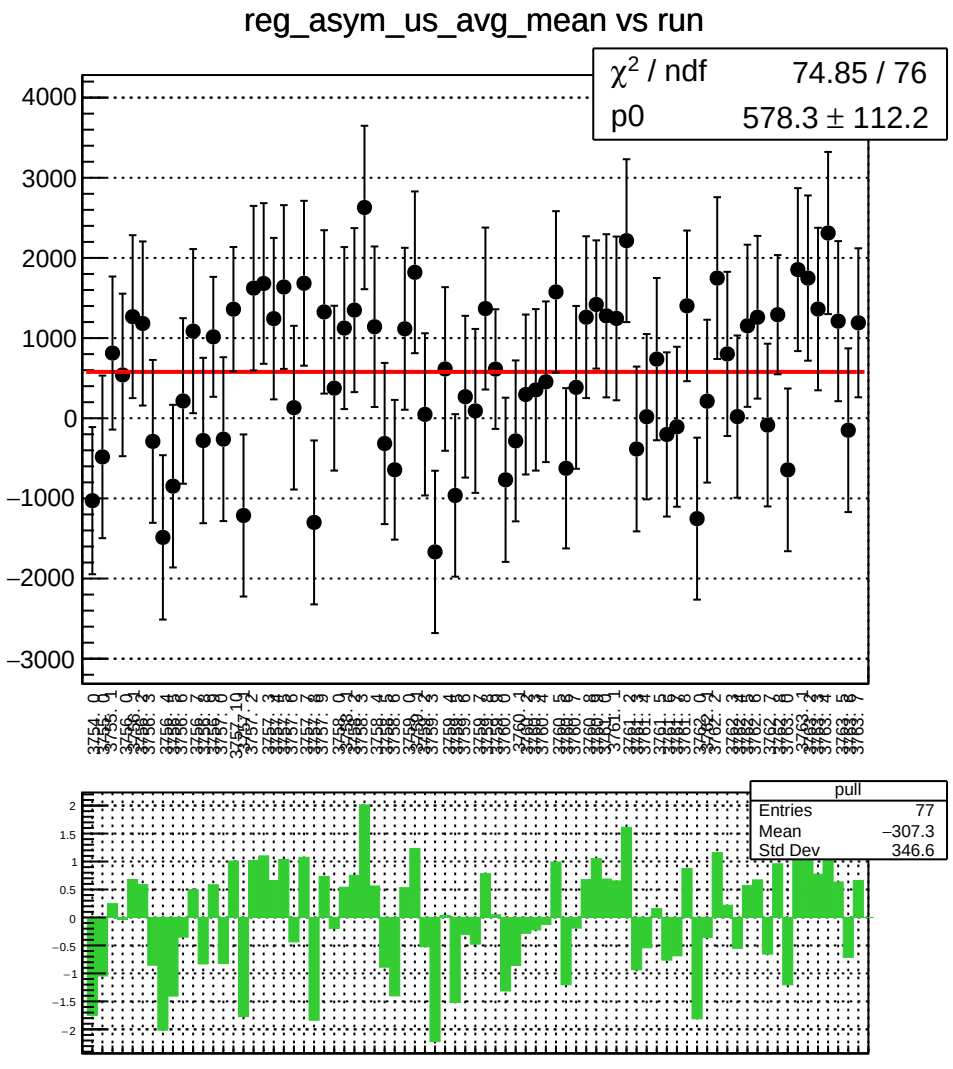

pull1D
Entries 77
Mean −0.01162
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

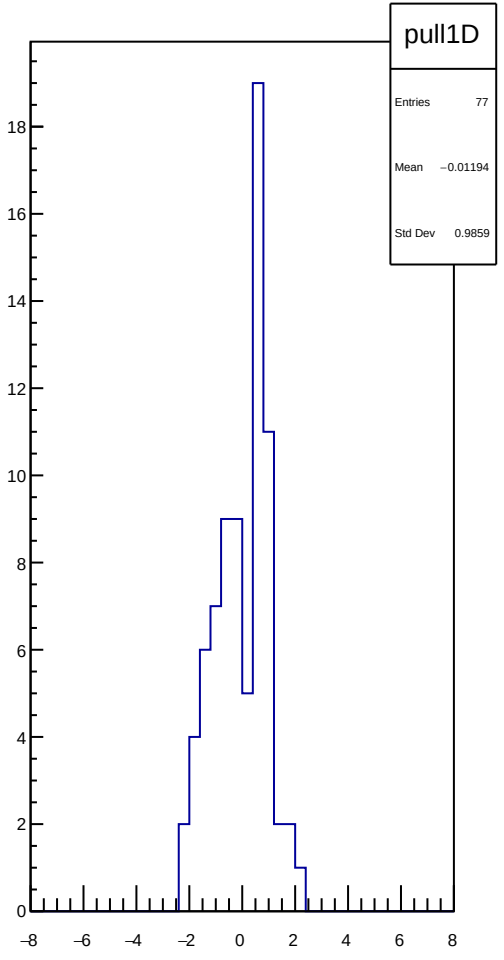

asym_right_dd_correction_rms vs run
χ² / ndf 1917 / 76
p0 36.38 ± 0.02994
39
38
37
36
35
34
33
32
31

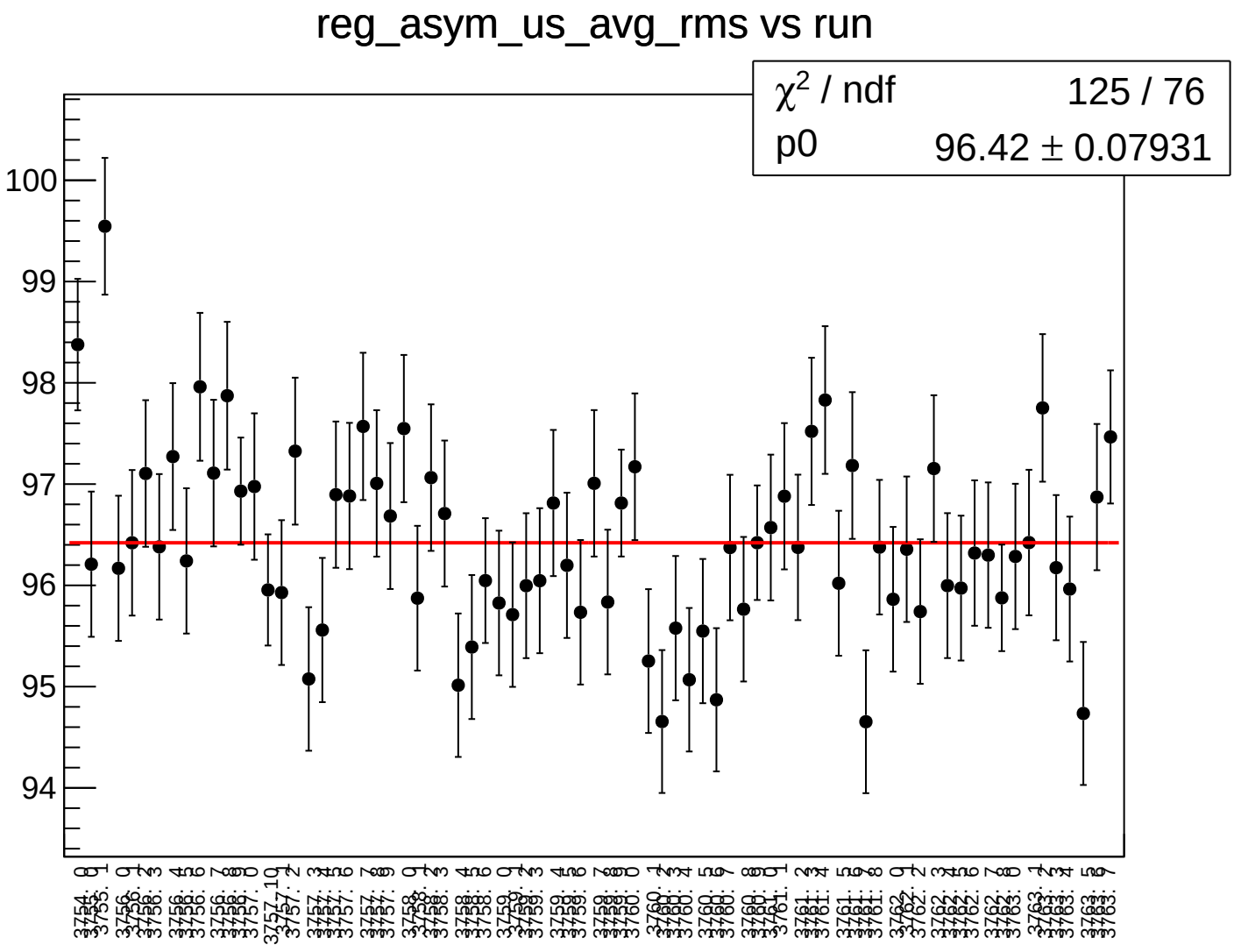

asym_right_dd_mean vs run
χ² / ndf 85.57 / 76
p0 63.73 ± 51.38
pull
Entries 77
Mean −69.04
Std Dev 68.04

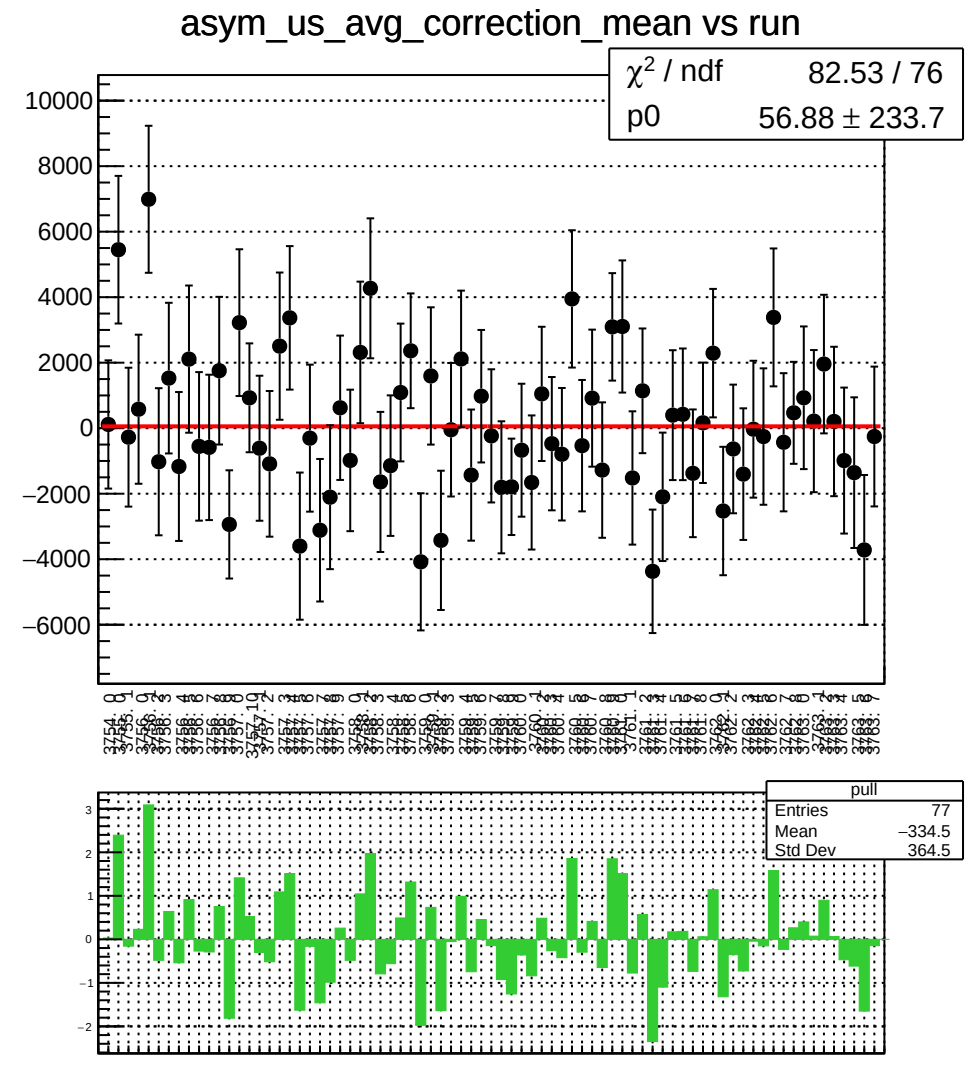

pull1D
Entries 77
Mean 0.005998
Std Dev 1.054

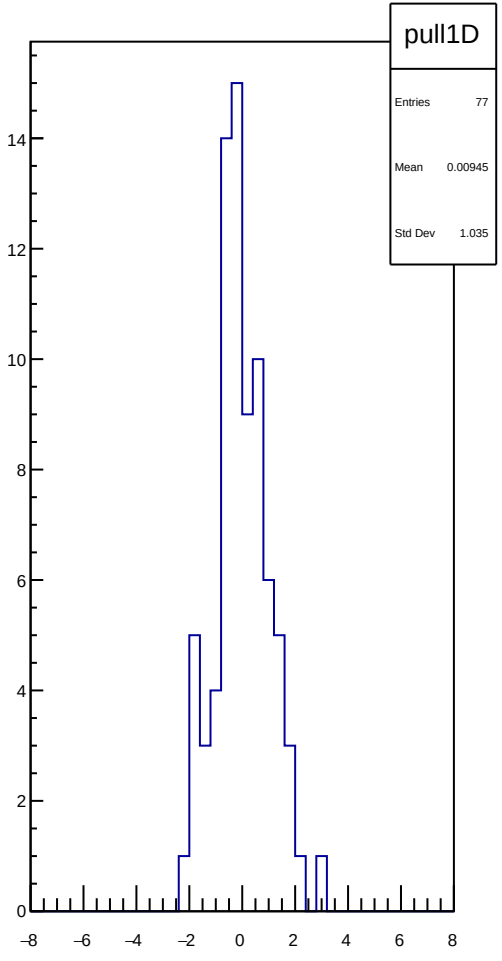

asym_right_dd_rms vs run
χ^2 / ndf 828.2 / 76
p0 44.16 ± 0.03633
47
46
45
44
43
42
41
40

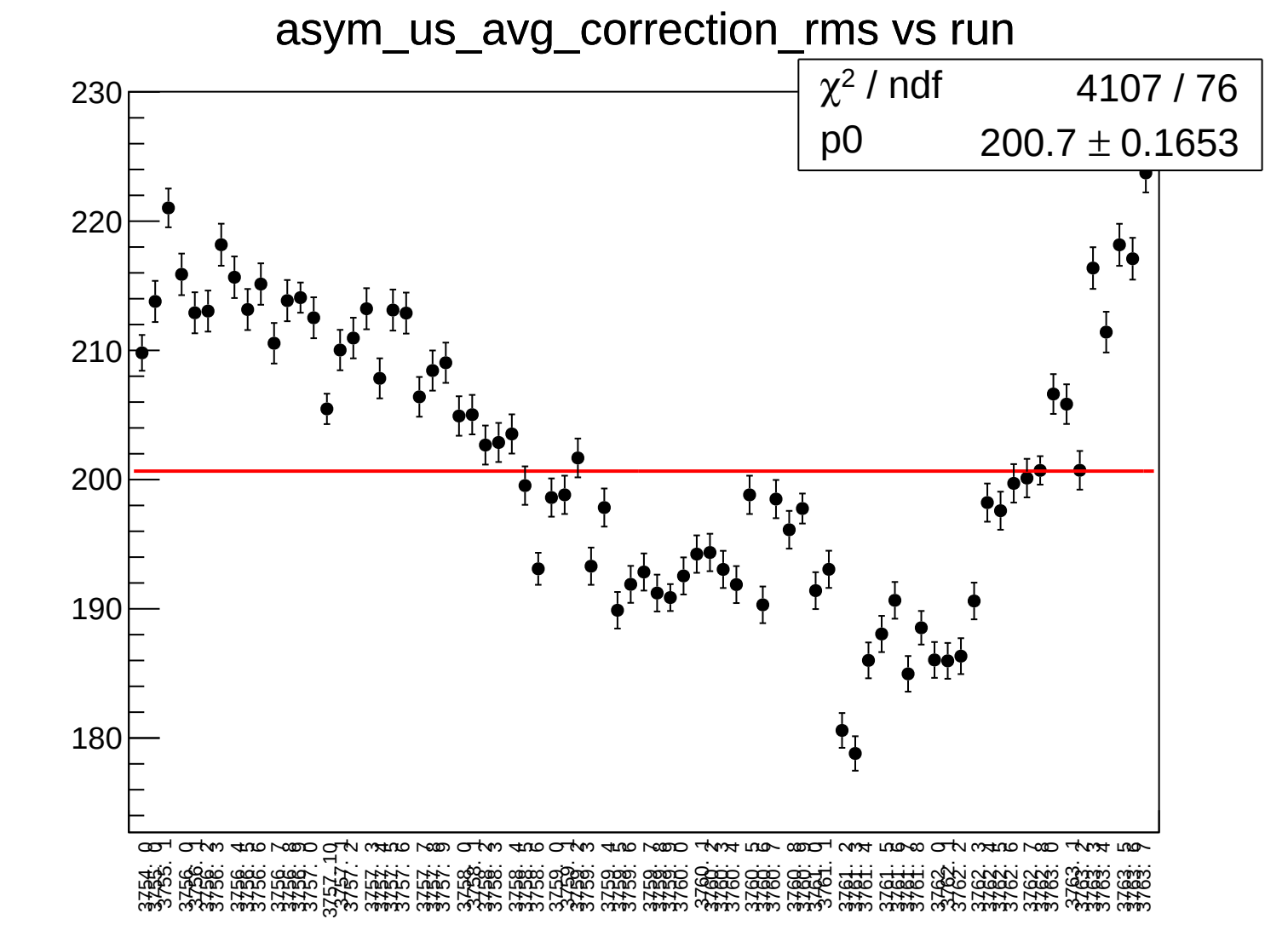

reg_asym_us_avg_mean vs run
χ² / ndf 74.85 / 76
p0 578.3 ± 112.2
pull
Entries 77
Mean −307.3
Std Dev 346.6

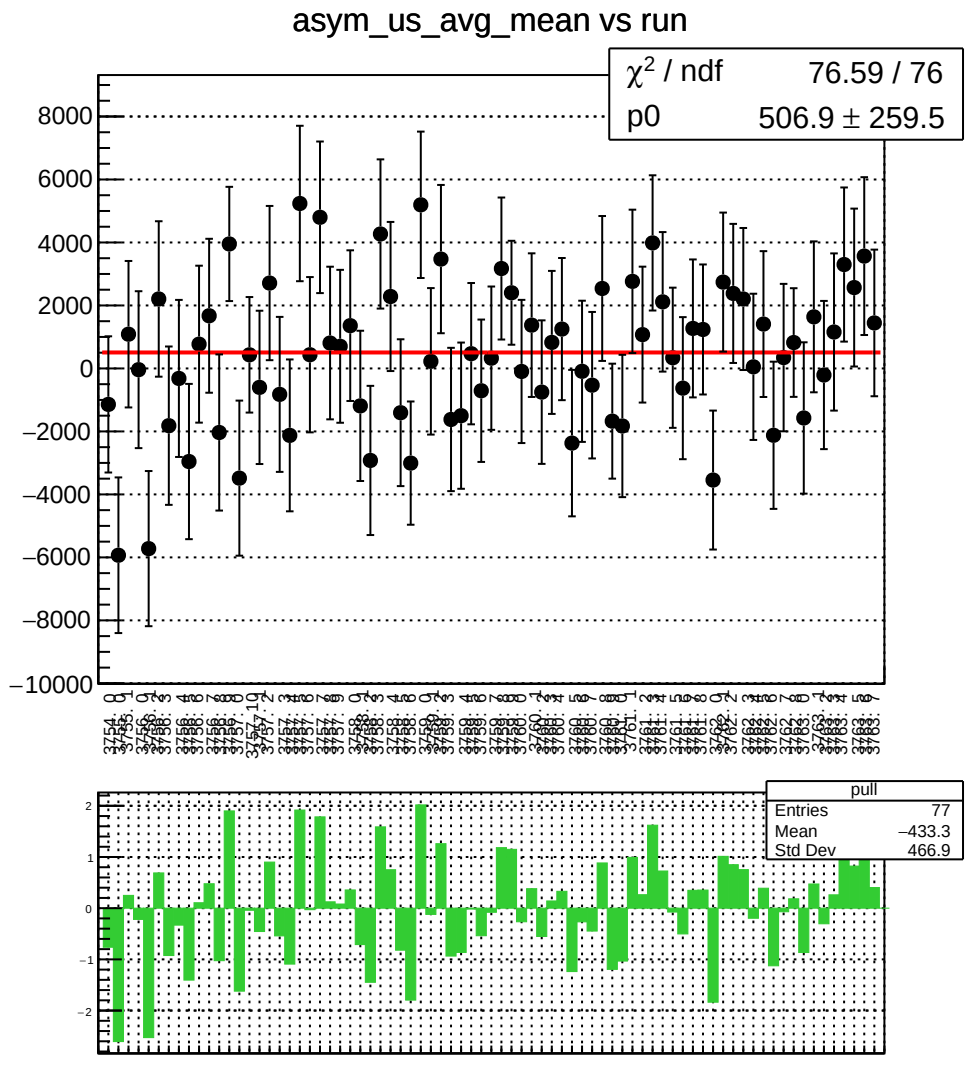

pull1D
Entries 77
Mean −0.01194
Std Dev 0.9859

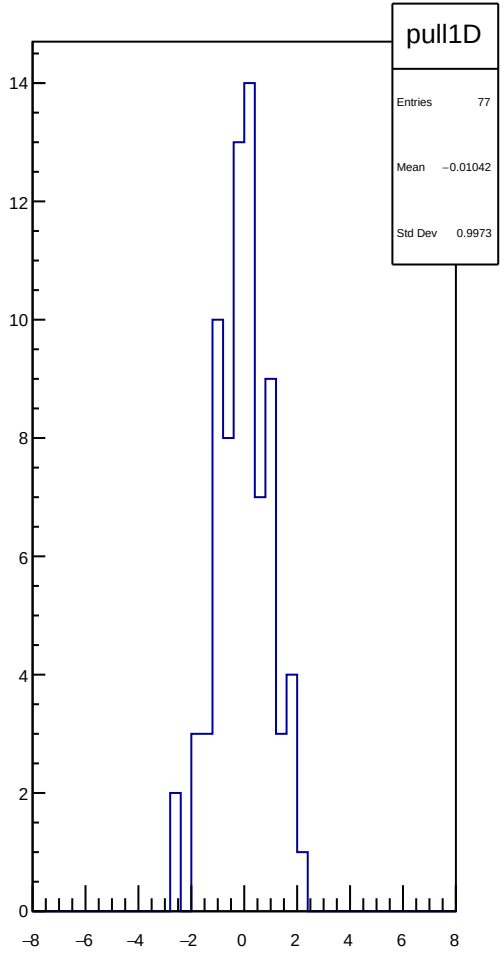

reg_asym_us_avg_rms vs run
χ^2 / ndf 125 / 76
p0 96.42 ± 0.07931
100
99
98
97
96
95
94

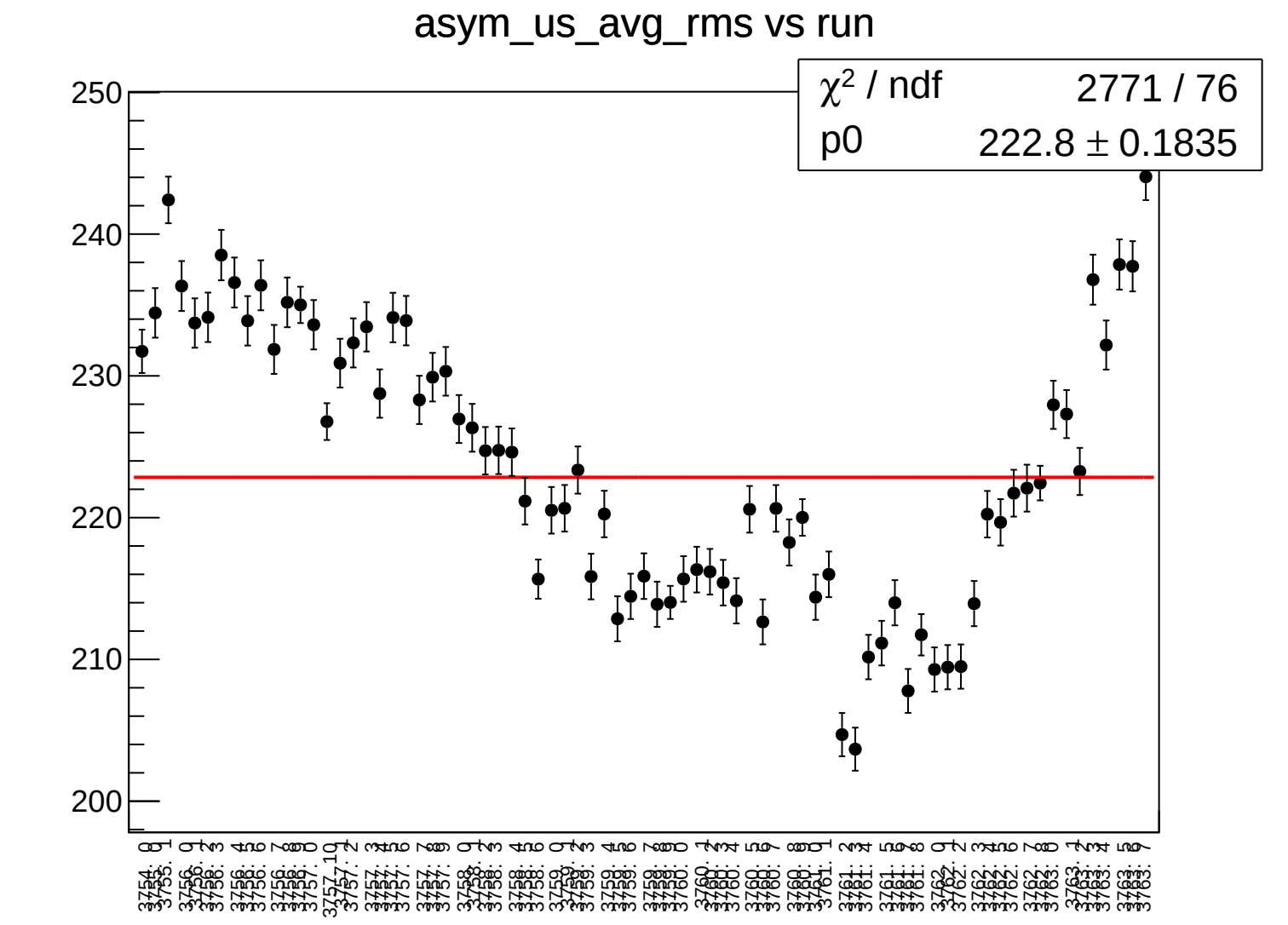

asym_us_avg_correction_mean vs run
χ² / ndf 82.53 / 76
p0 56.88 ± 233.7
pull
Entries 77
Mean −334.5
Std Dev 364.5

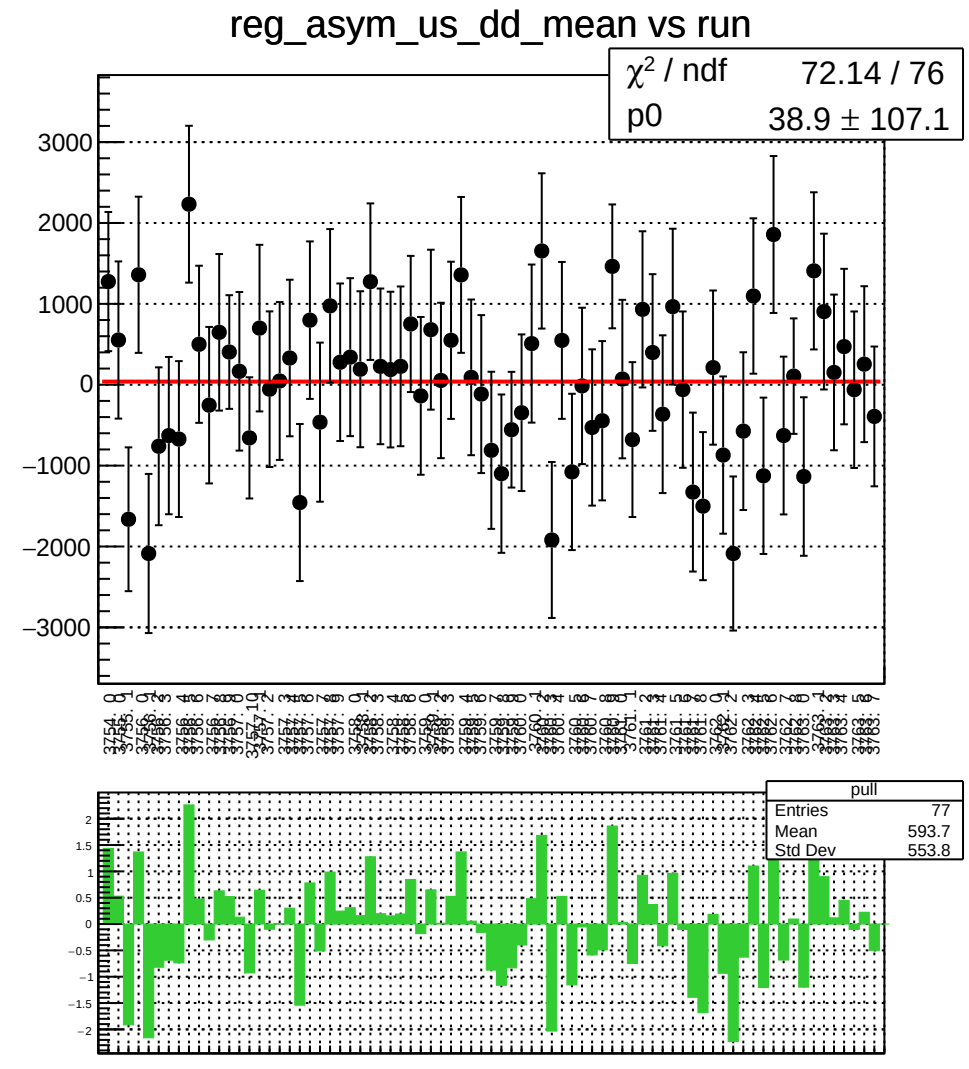

pull1D
Entries 77
Mean 0.00945
Std Dev 1.035

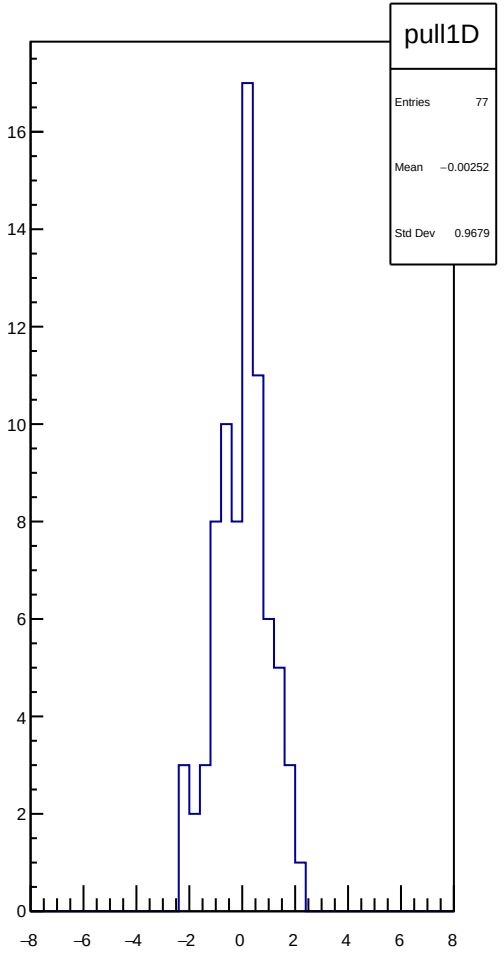

asym_us_avg_correction_rms vs run
χ^2 / ndf 4107 / 76
p0 200.7 ± 0.1653
230
220
210
200
190
180

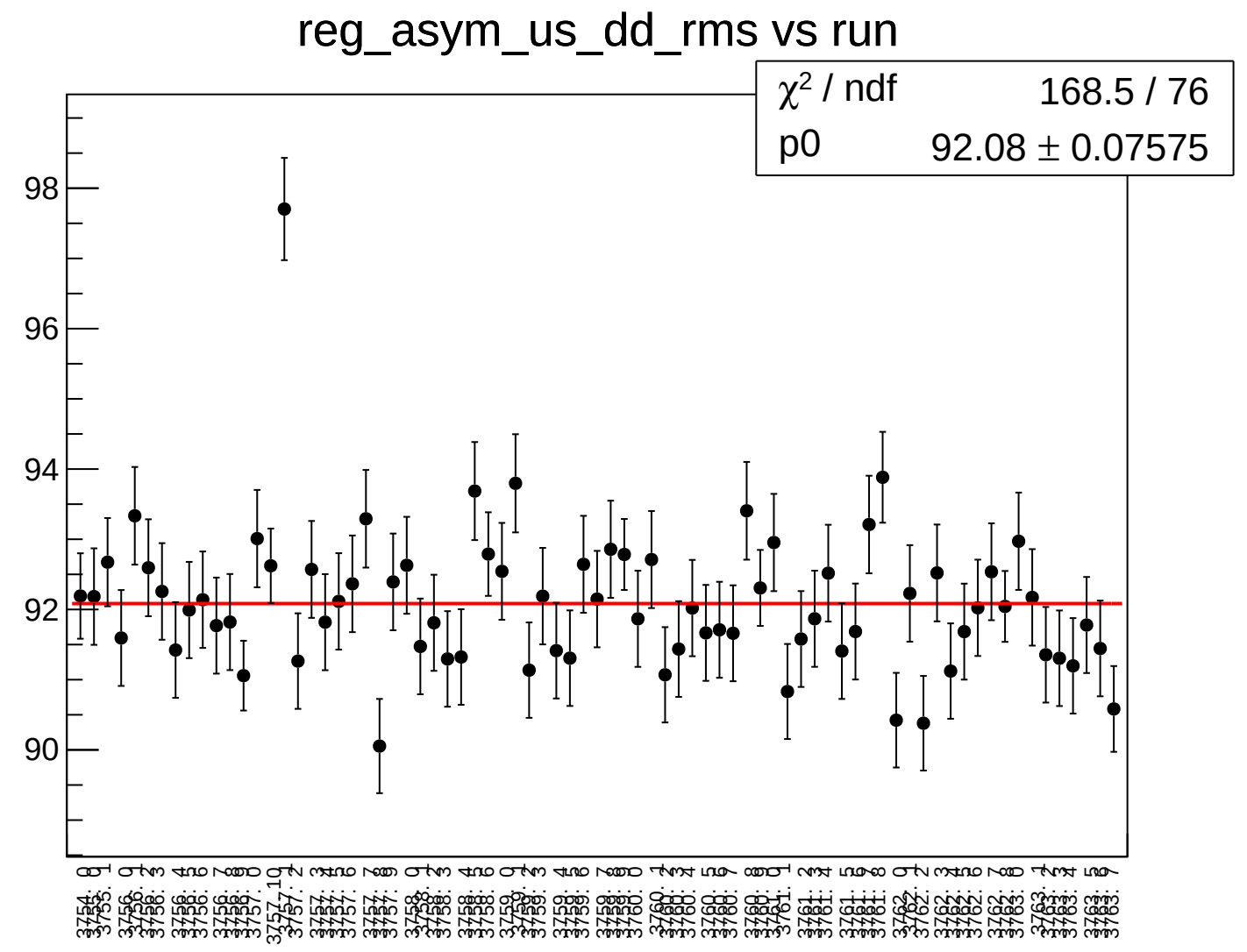

asym_us_avg_mean vs run
χ² / ndf 76.59 / 76
p0 506.9 ± 259.5
pull
Entries 77
Mean −433.3
Std Dev 466.9

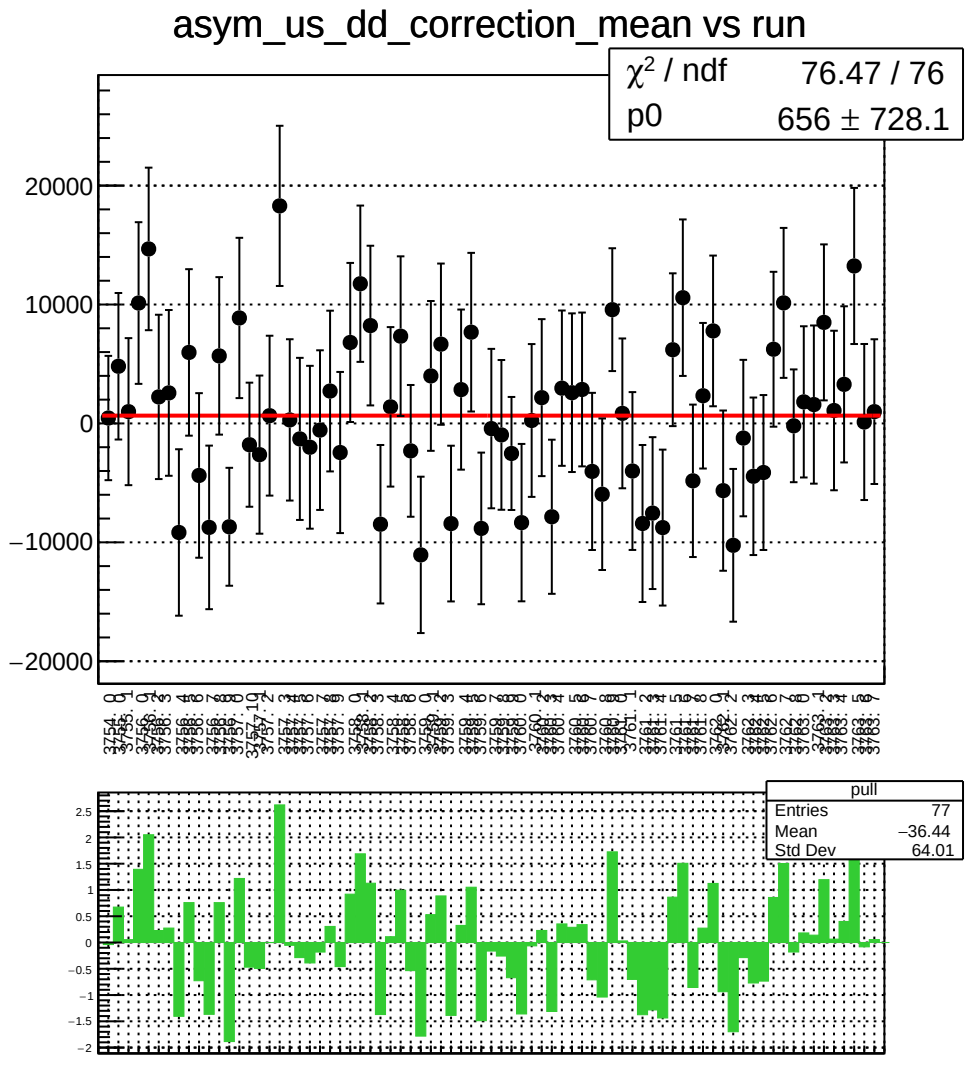

pull1D
Entries 77
Mean −0.01042
Std Dev 0.9973

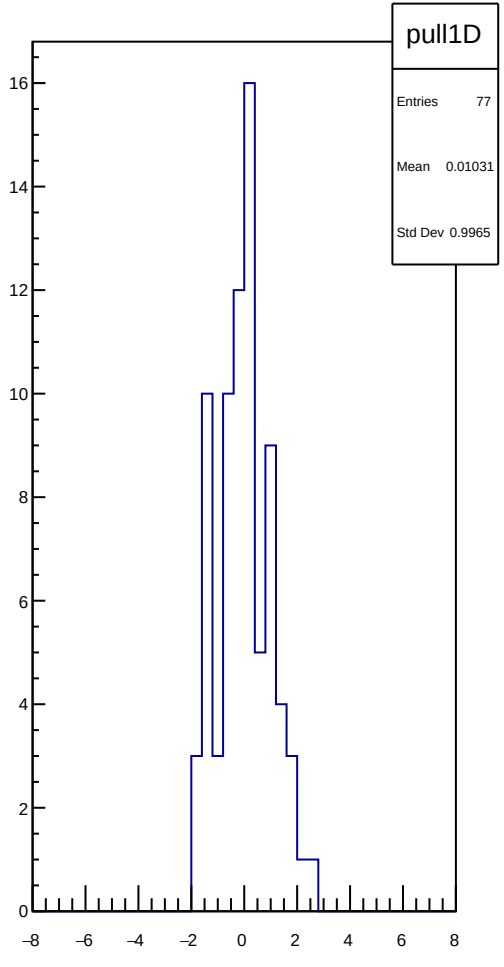

asym_us_avg_rms vs run
χ^2 / ndf 2771 / 76
p0 222.8 ± 0.1835
250
240
230
220
210
200

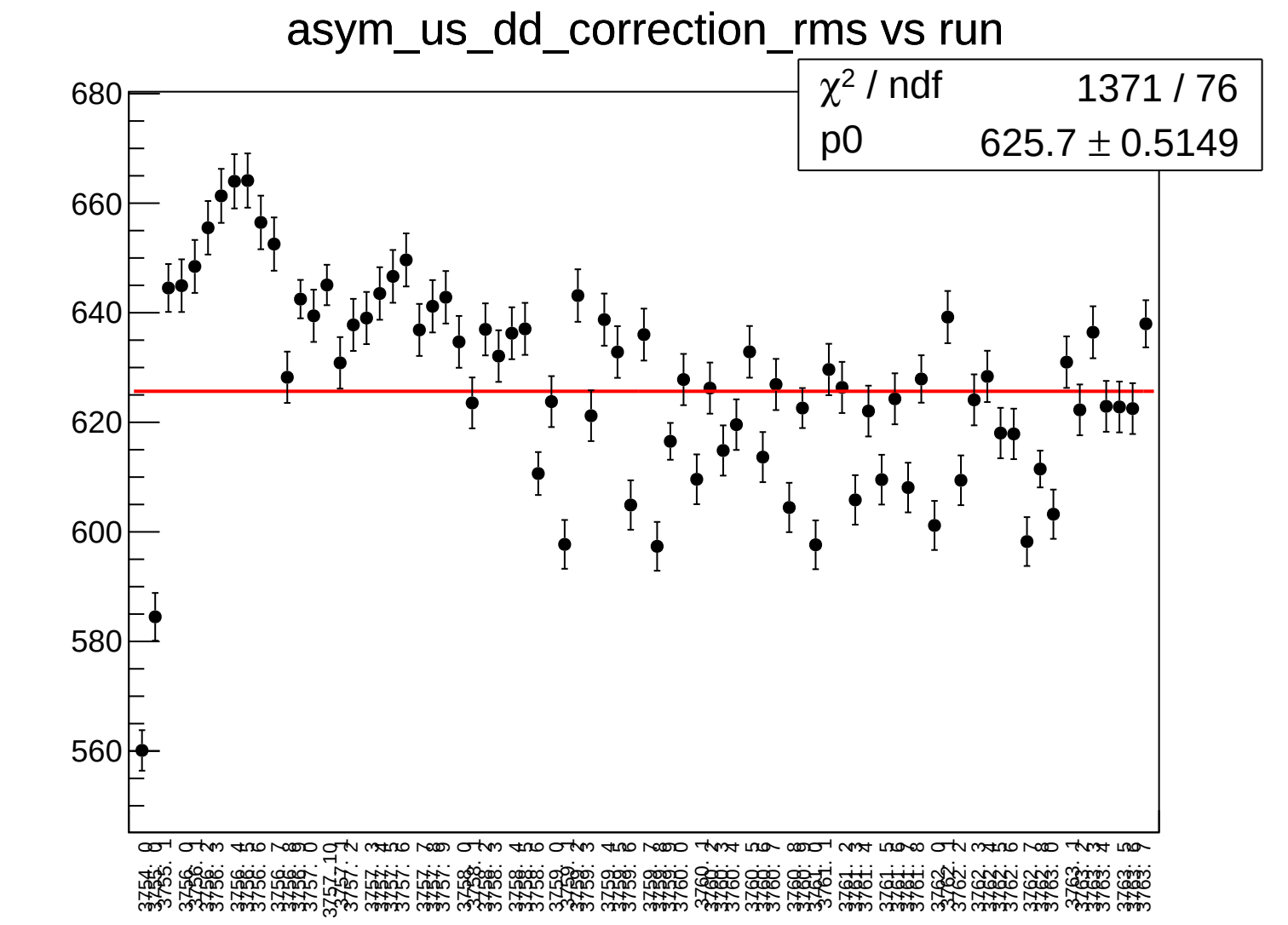

reg_asym_us_dd_mean vs run
χ² / ndf 72.14 / 76
p0 38.9 ± 107.1
pull
Entries 77
Mean 593.7
Std Dev 553.8

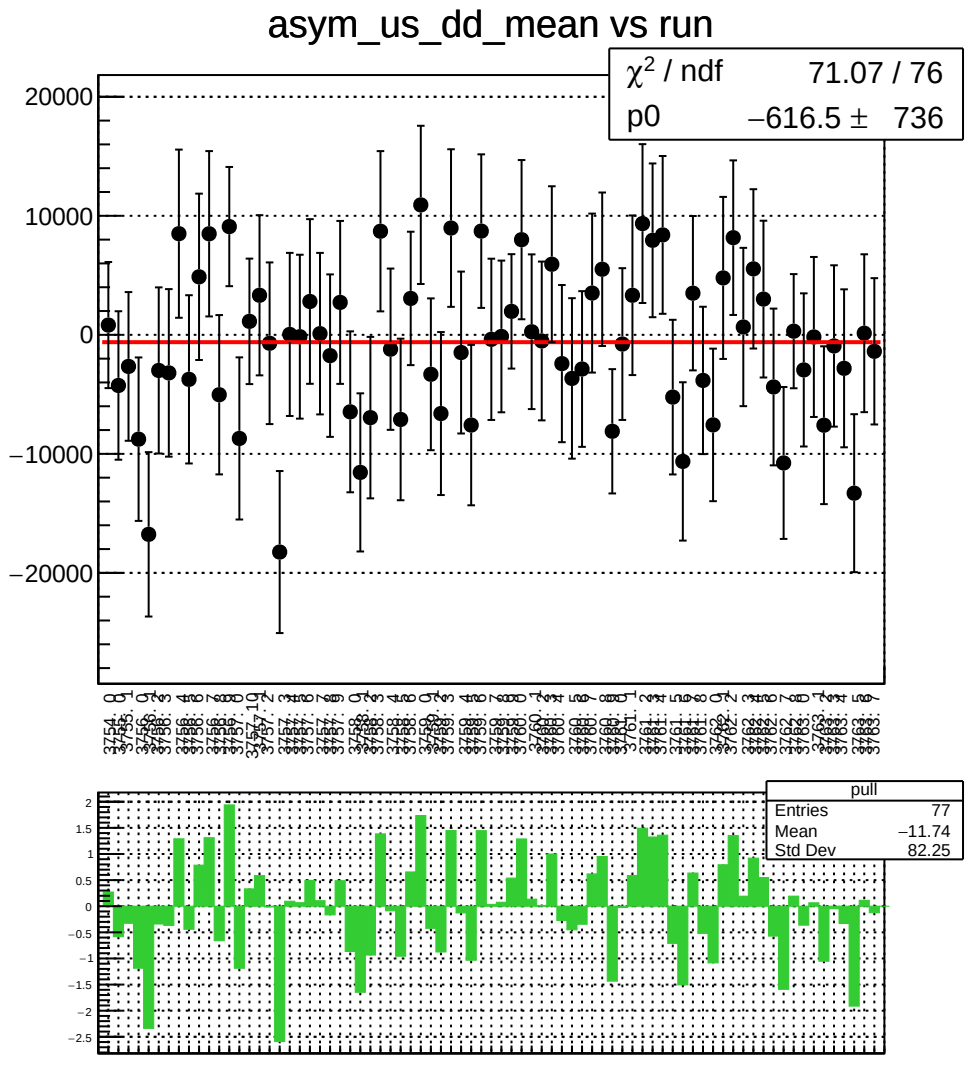

pull1D
Entries 77
Mean −0.00252
Std Dev 0.9679

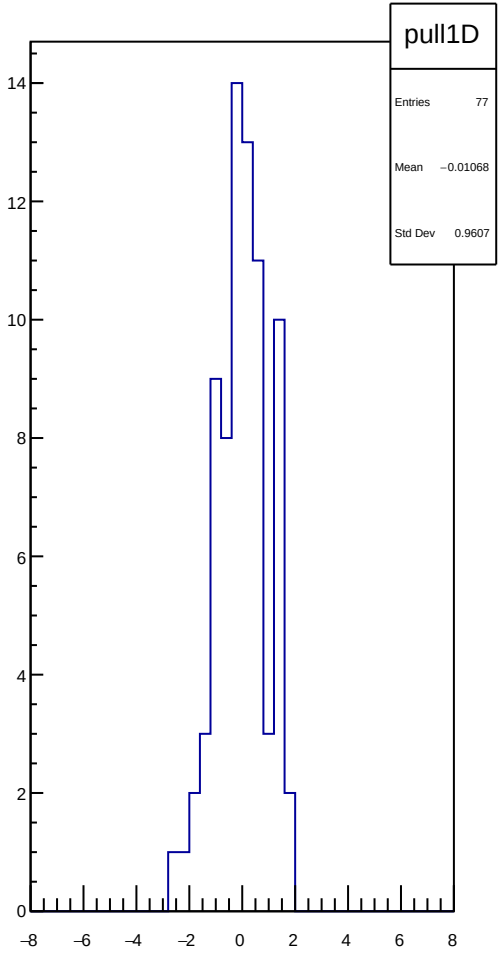

reg_asym_us_dd_rms vs run
χ² / ndf 168.5 / 76
p0 92.08 ± 0.07575
98
96
94
92
90

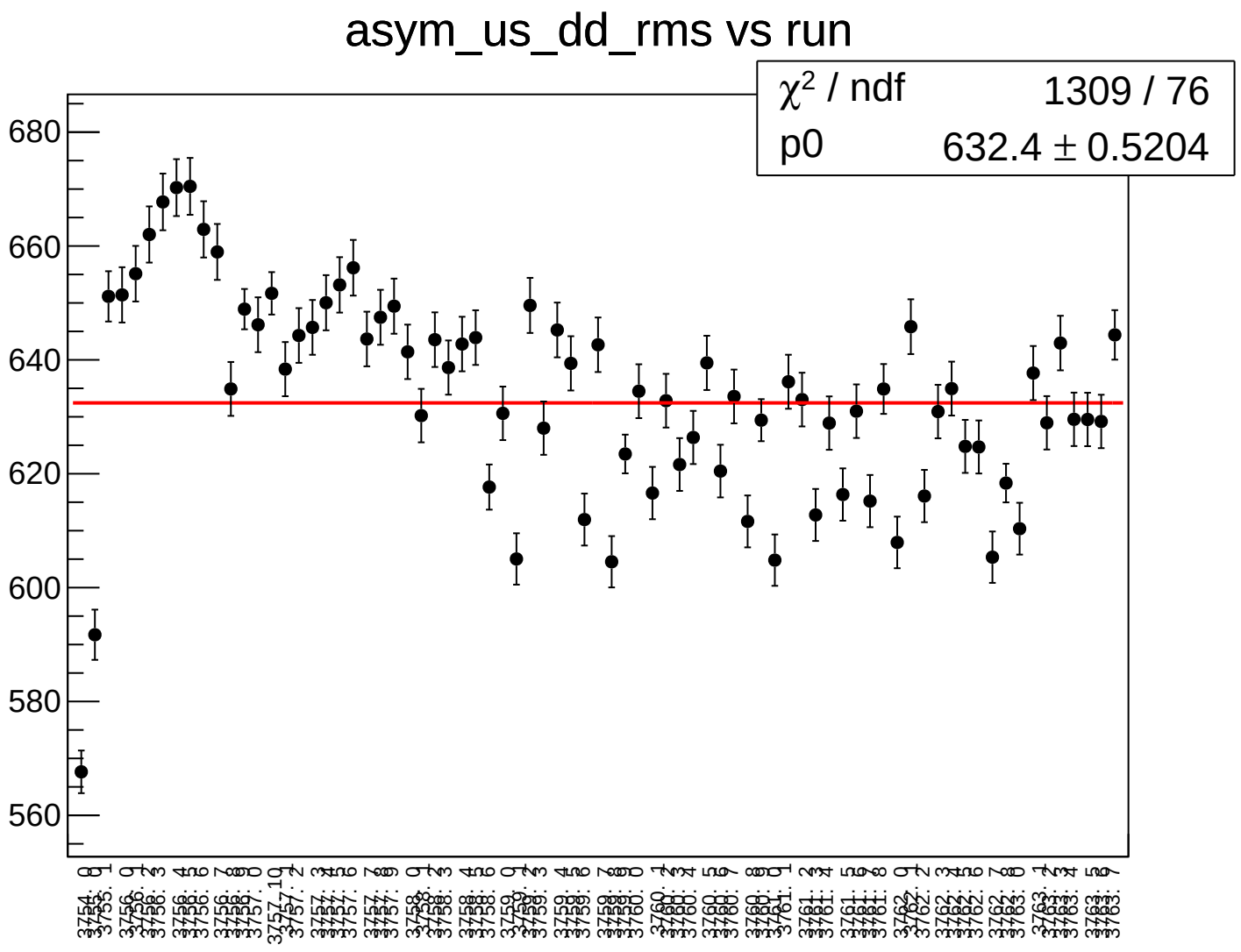

asym_us_dd_correction_mean vs run
χ² / ndf 76.47 / 76
p0 656 ± 728.1
20000
10000
0
−10000
−20000
pull
Entries 77
Mean −36.44
Std Dev 64.01
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

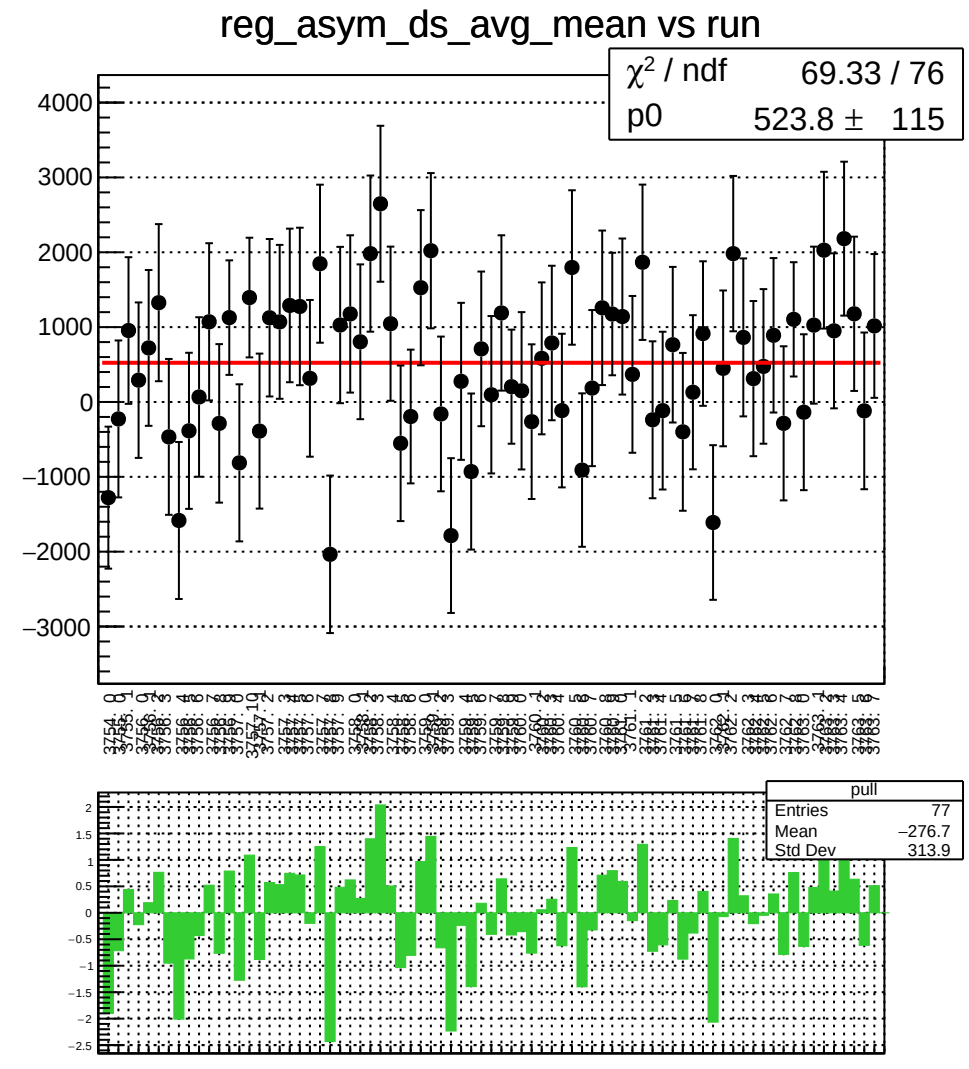

pull1D
Entries 77
Mean 0.01031
Std Dev 0.9965
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

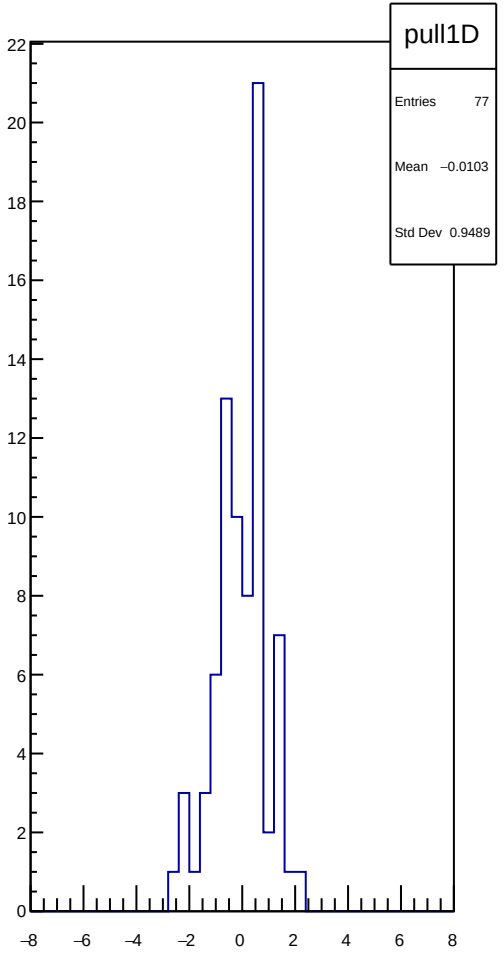

asym_us_dd_correction_rms vs run
χ² / ndf 1371 / 76
p0 625.7 ± 0.5149
680
660
640
620
600
580
560

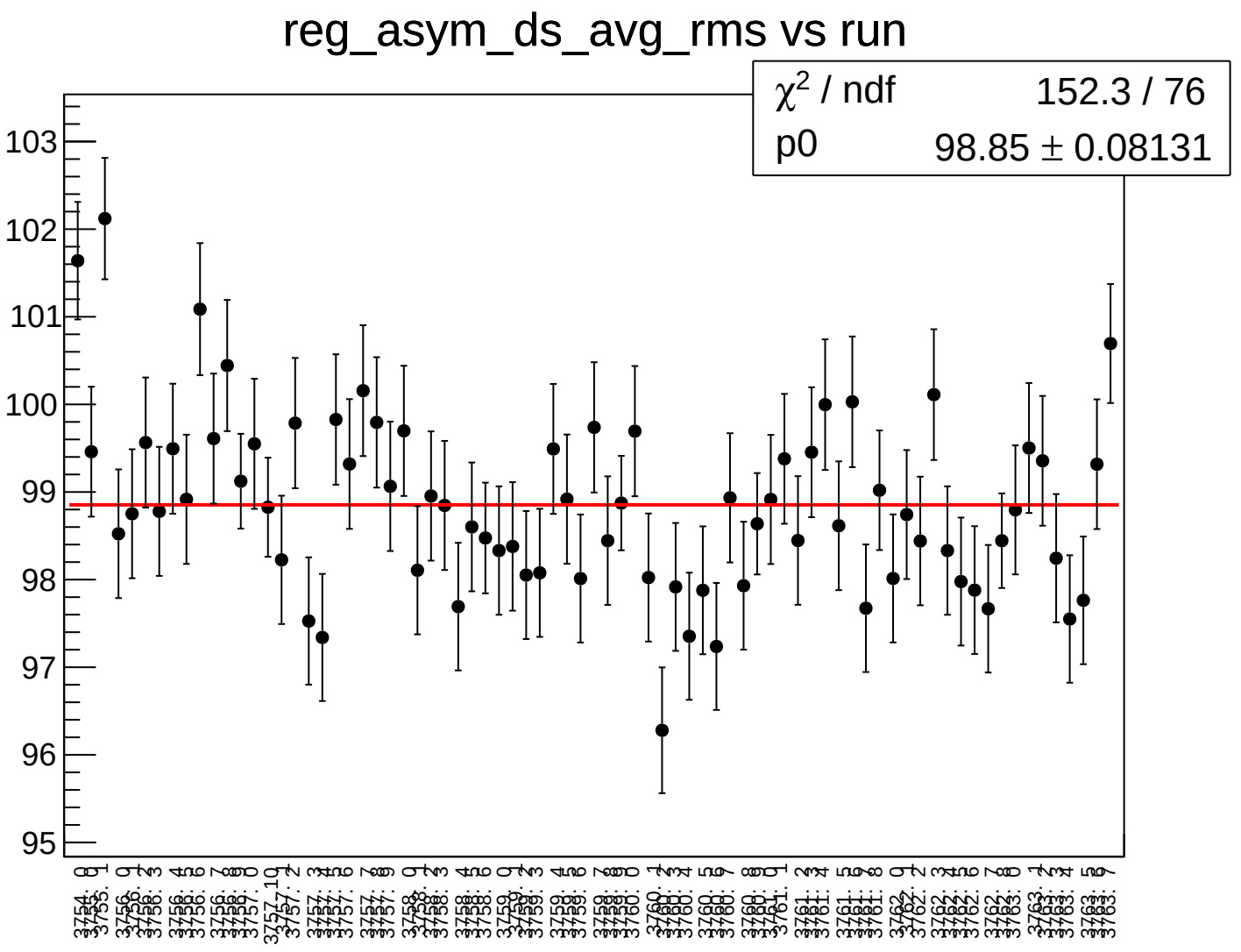

asym_us_dd_mean vs run
χ² / ndf 71.07 / 76
p0 −616.5 ± 736
20000
10000
0
−10000
−20000
pull
Entries 77
Mean −11.74
Std Dev 82.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

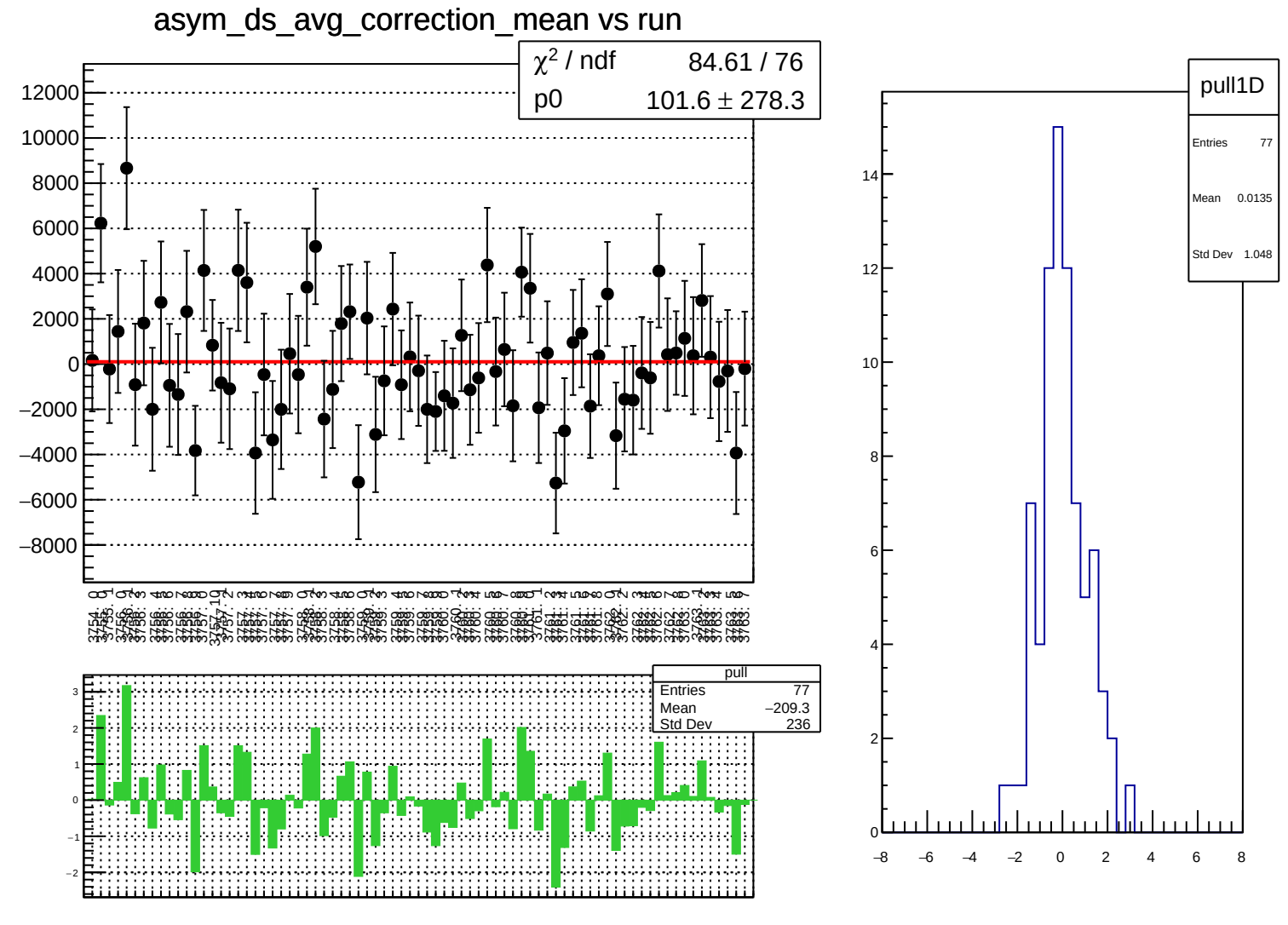

pull1D
Entries 77
Mean −0.01068
Std Dev 0.9607
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

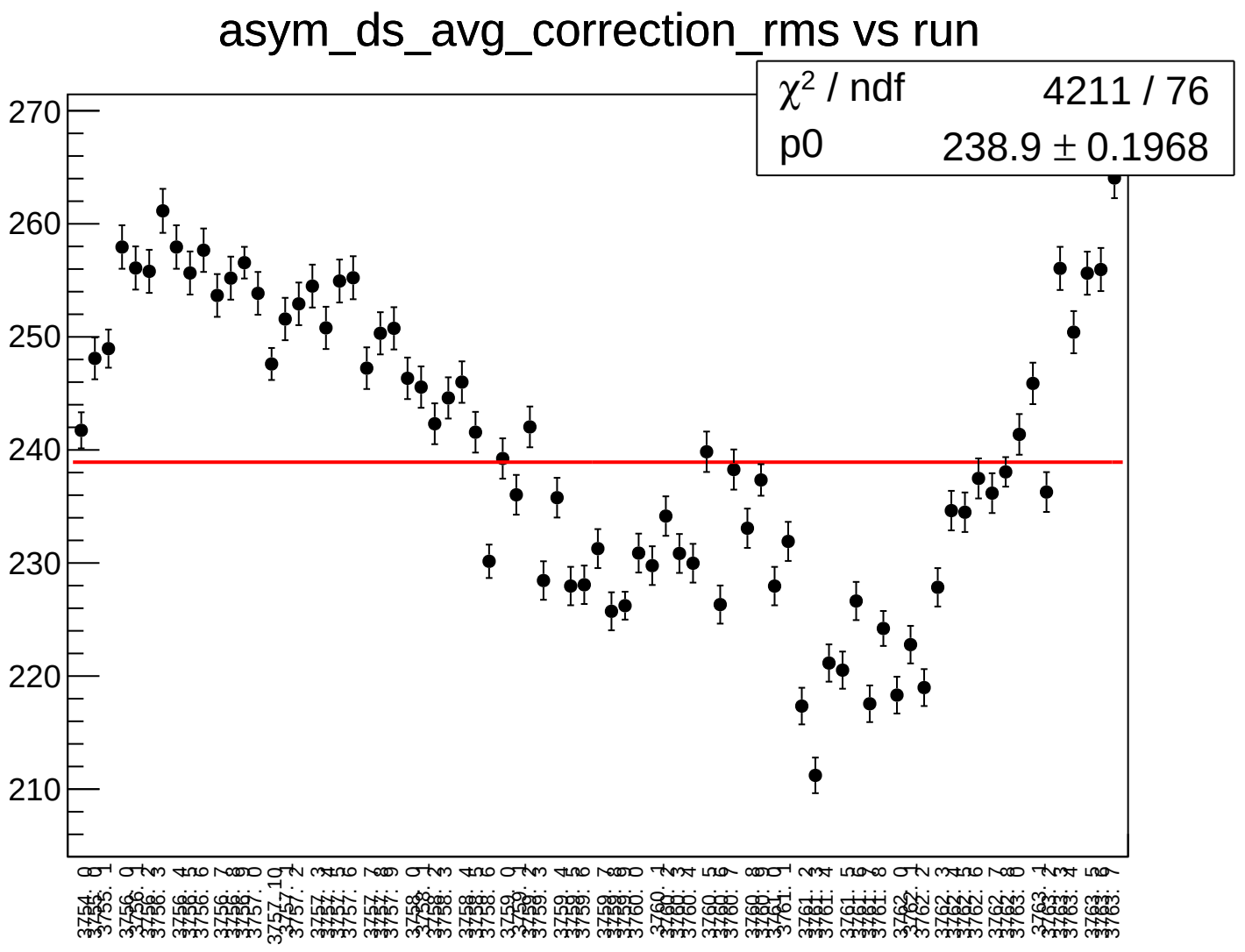

asym_us_dd_rms vs run
χ^2 / ndf 1309 / 76
p0 632.4 ± 0.5204
680
660
640
620
600
580
560

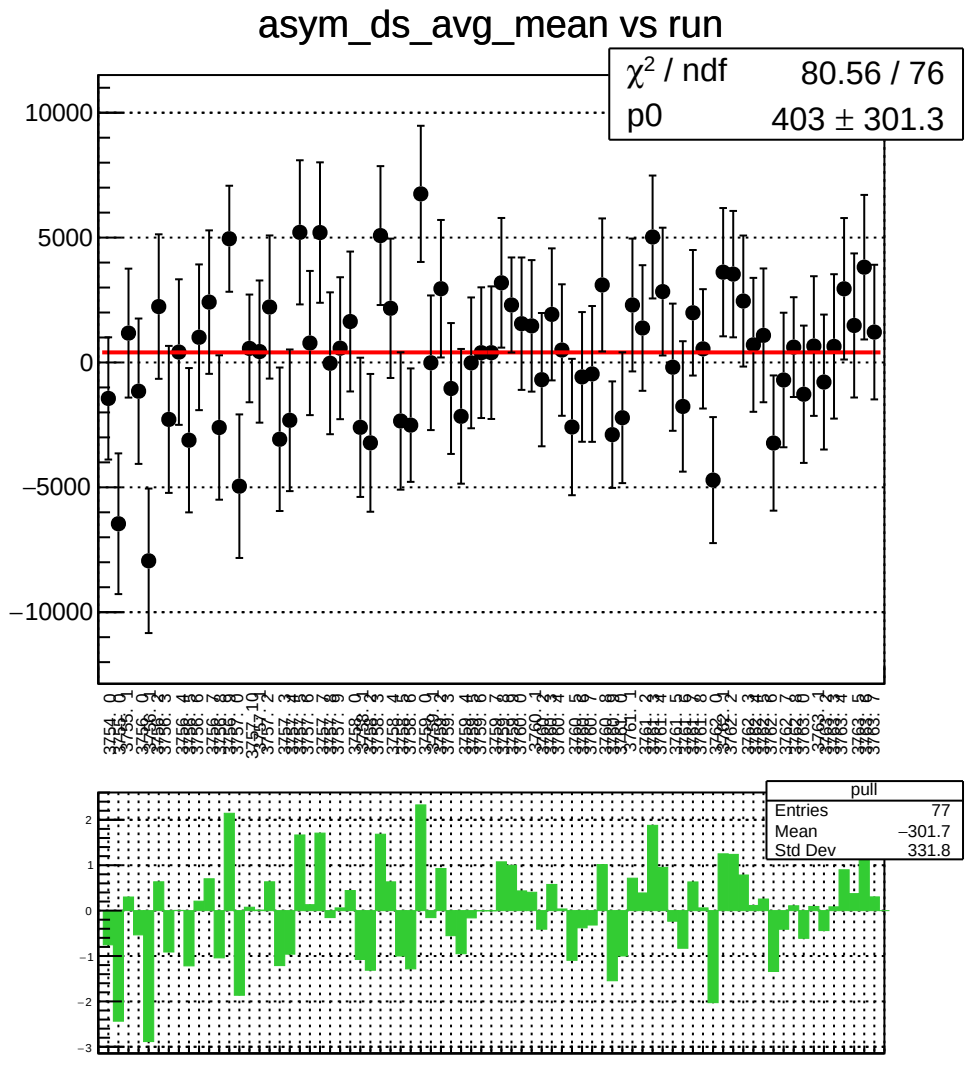

reg_asym_ds_avg_mean vs run
χ² / ndf 69.33 / 76
p0 523.8 ± 115
pull
Entries 77
Mean −276.7
Std Dev 313.9

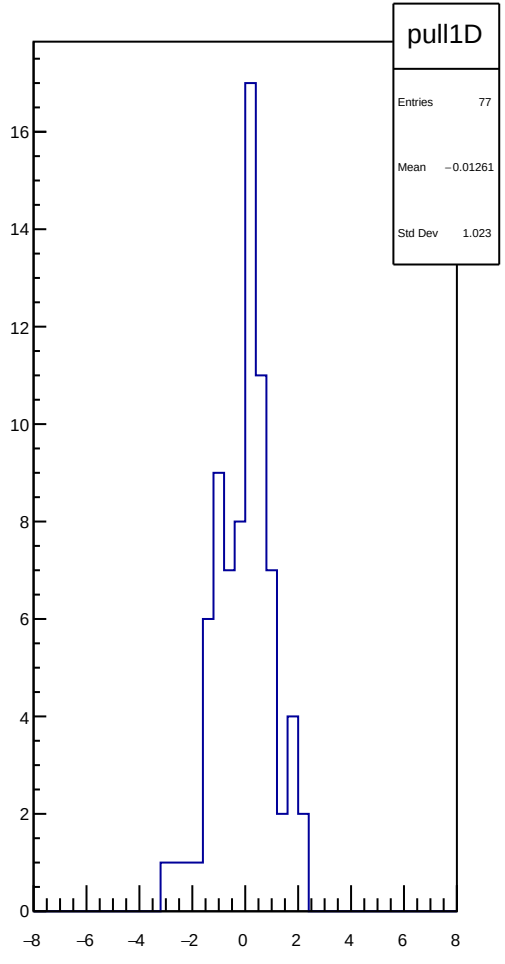

pull1D
Entries 77
Mean −0.0103
Std Dev 0.9489

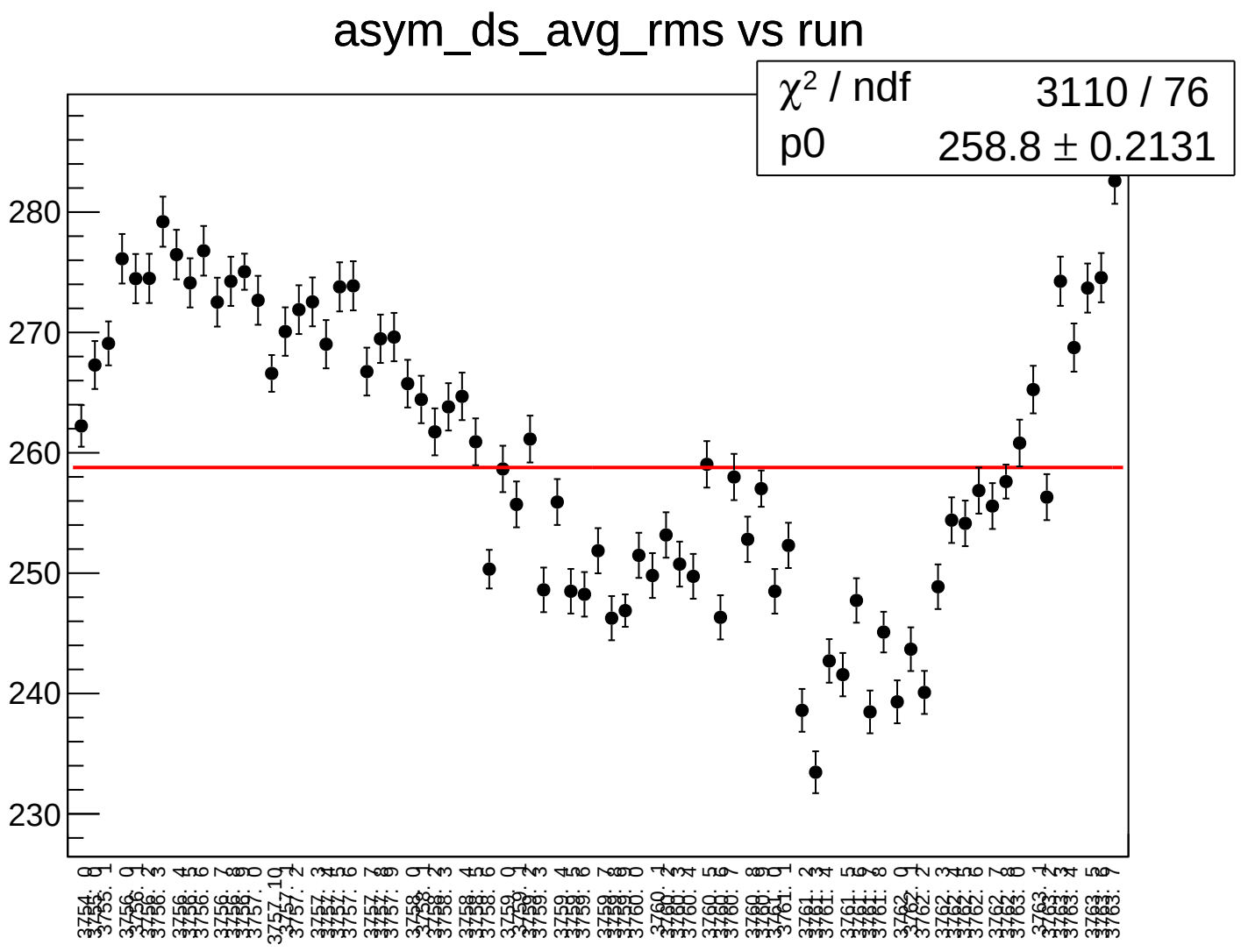

reg_asym_ds_avg_rms vs run
χ^2 / ndf 152.3 / 76
p0 98.85 ± 0.08131
103
102
101
100
99
98
97
96
95

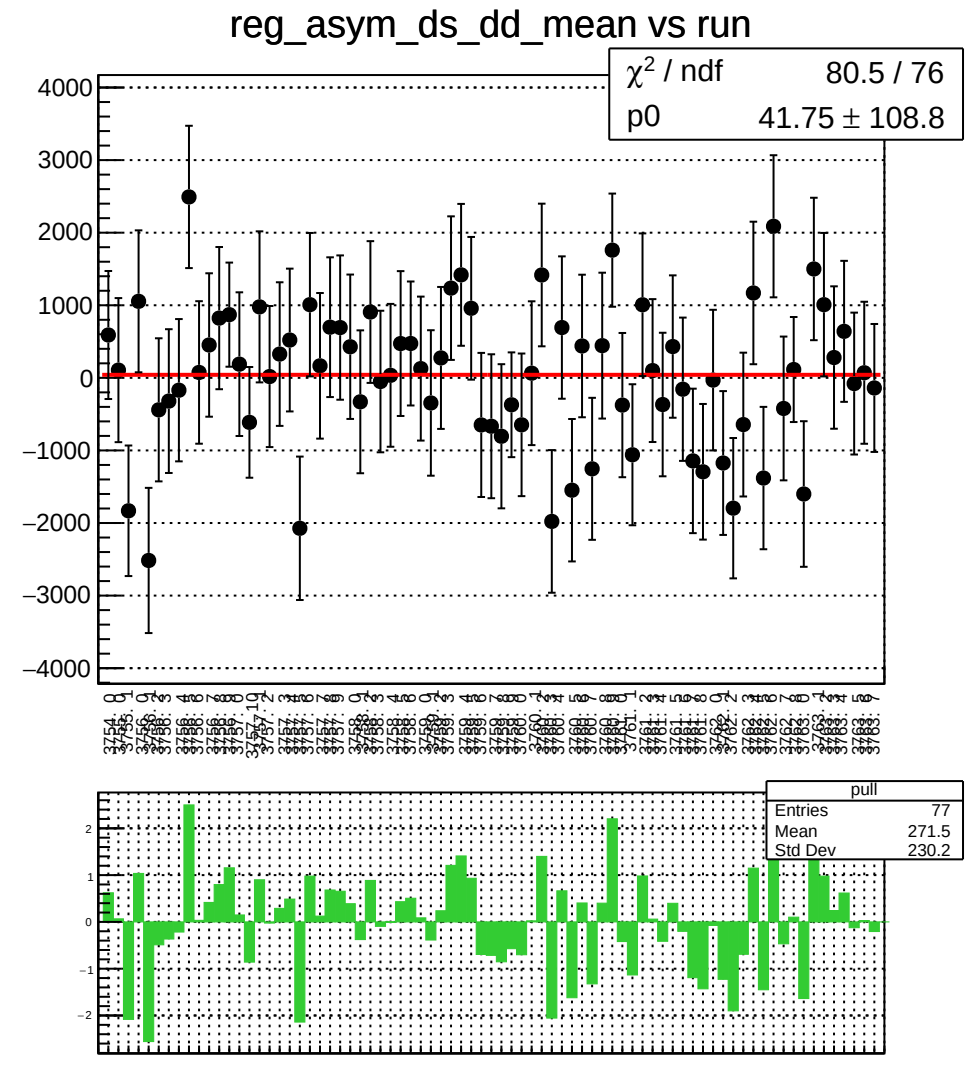

asym_ds_avg_correction_mean vs run
χ² / ndf 84.61 / 76
p0 101.6 ± 278.3
pull
Entries 77
Mean −209.3
Std Dev 236
pull1D
Entries 77
Mean 0.0135
Std Dev 1.048

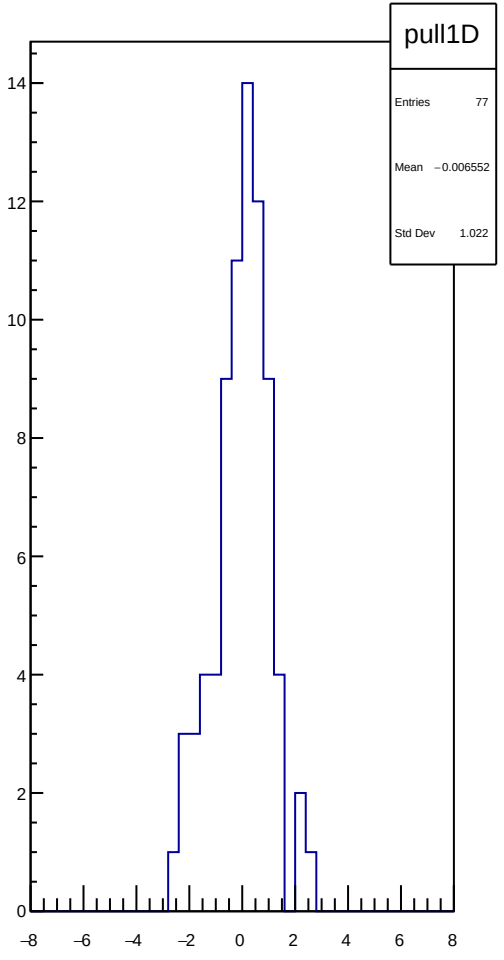

asym_ds_avg_correction_rms vs run
χ² / ndf 4211 / 76
p0 238.9 ± 0.1968
270
260
250
240
230
220
210

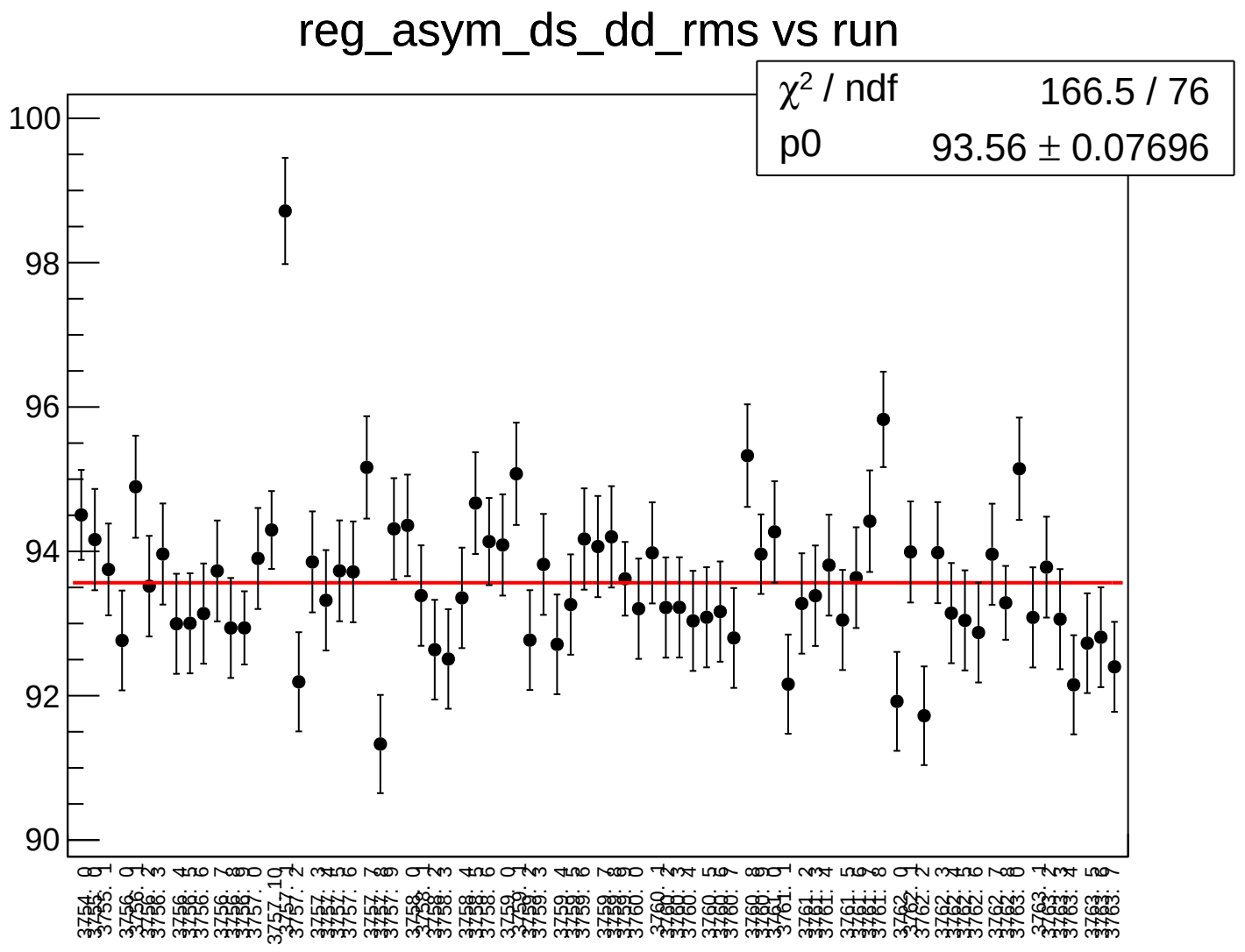

asym_ds_avg_mean vs run
χ² / ndf 80.56 / 76
p0 403 ± 301.3
10000
5000
0
−5000
−10000
pull
Entries 77
Mean −301.7
Std Dev 331.8
2
1
0
−1
−2
−3

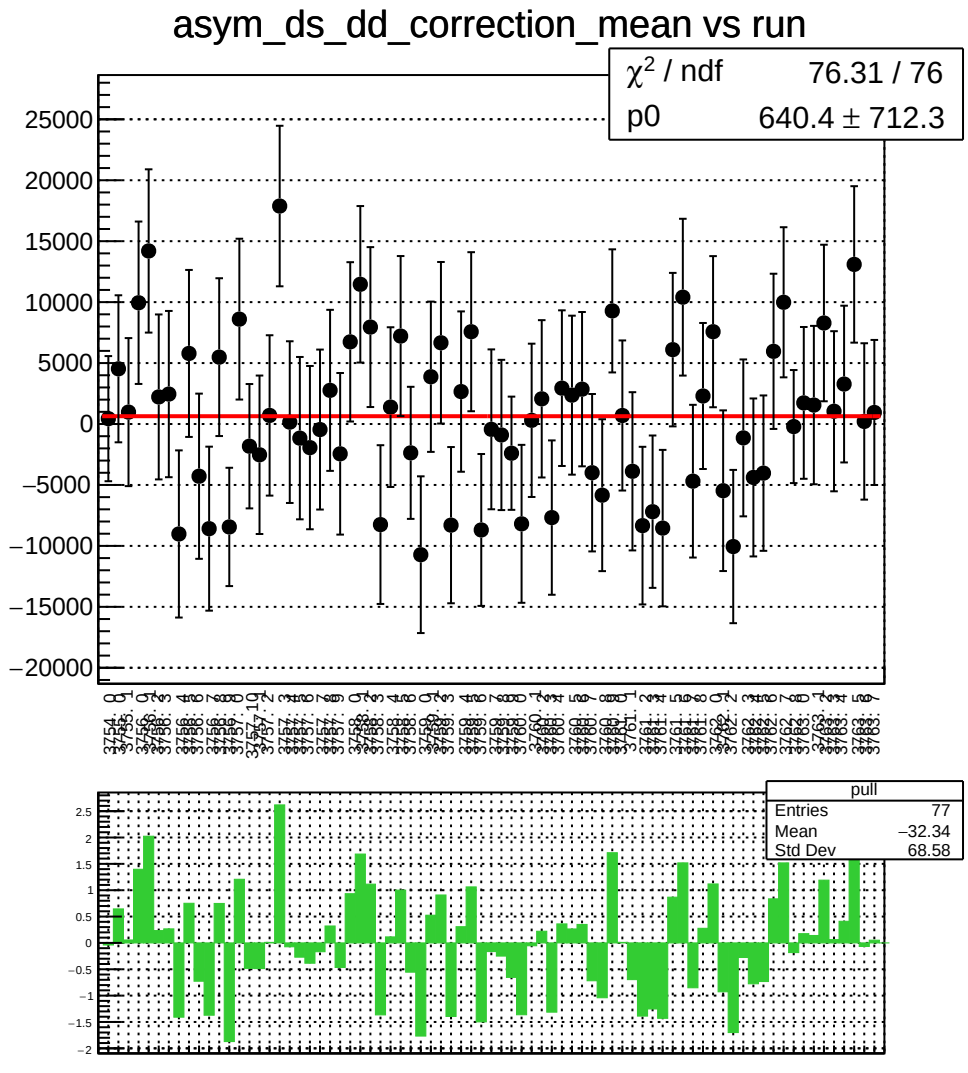

pull1D
Entries 77
Mean −0.01261
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

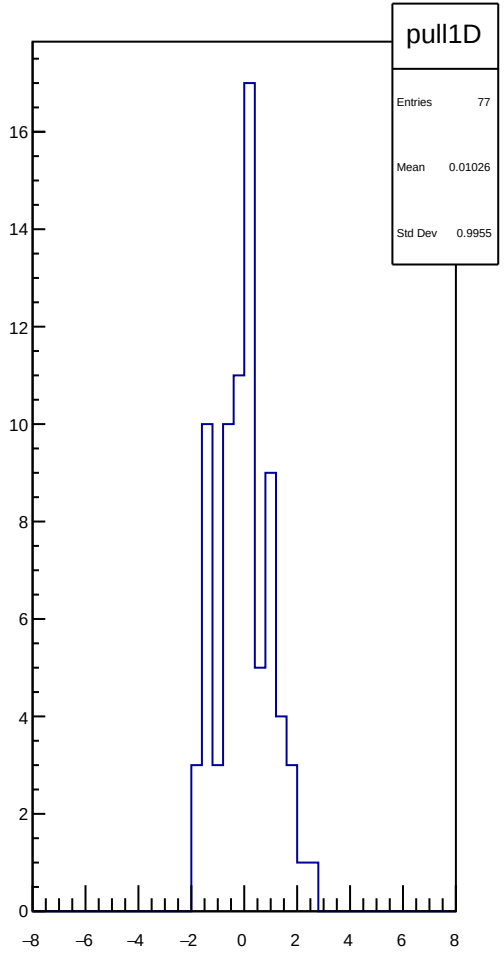

asym_ds_avg_rms vs run
χ² / ndf 3110 / 76
p0 258.8 ± 0.2131
280
270
260
250
240
230

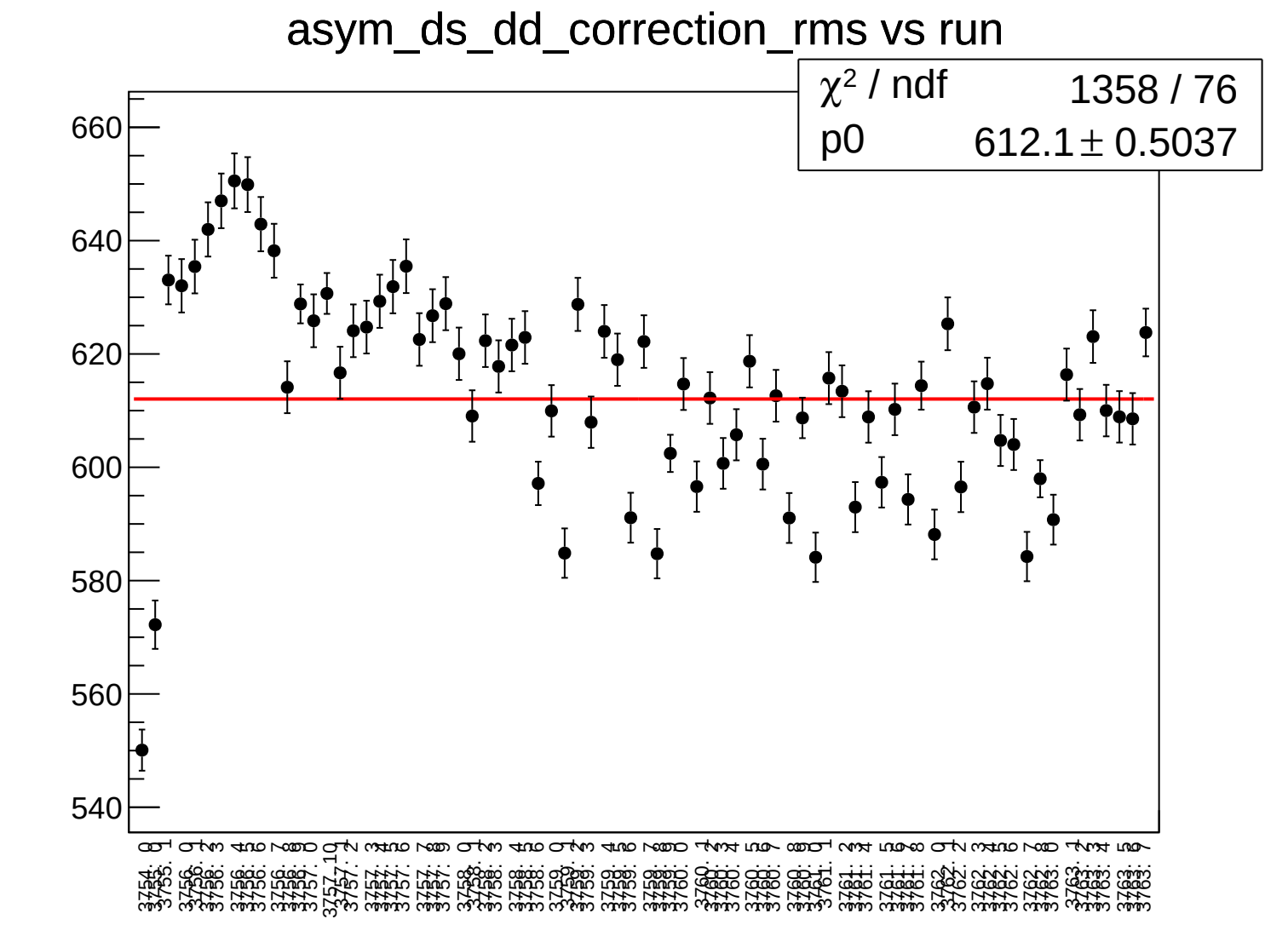

reg_asym_ds_dd_mean vs run
χ² / ndf 80.5 / 76
p0 41.75 ± 108.8
pull
Entries 77
Mean 271.5
Std Dev 230.2

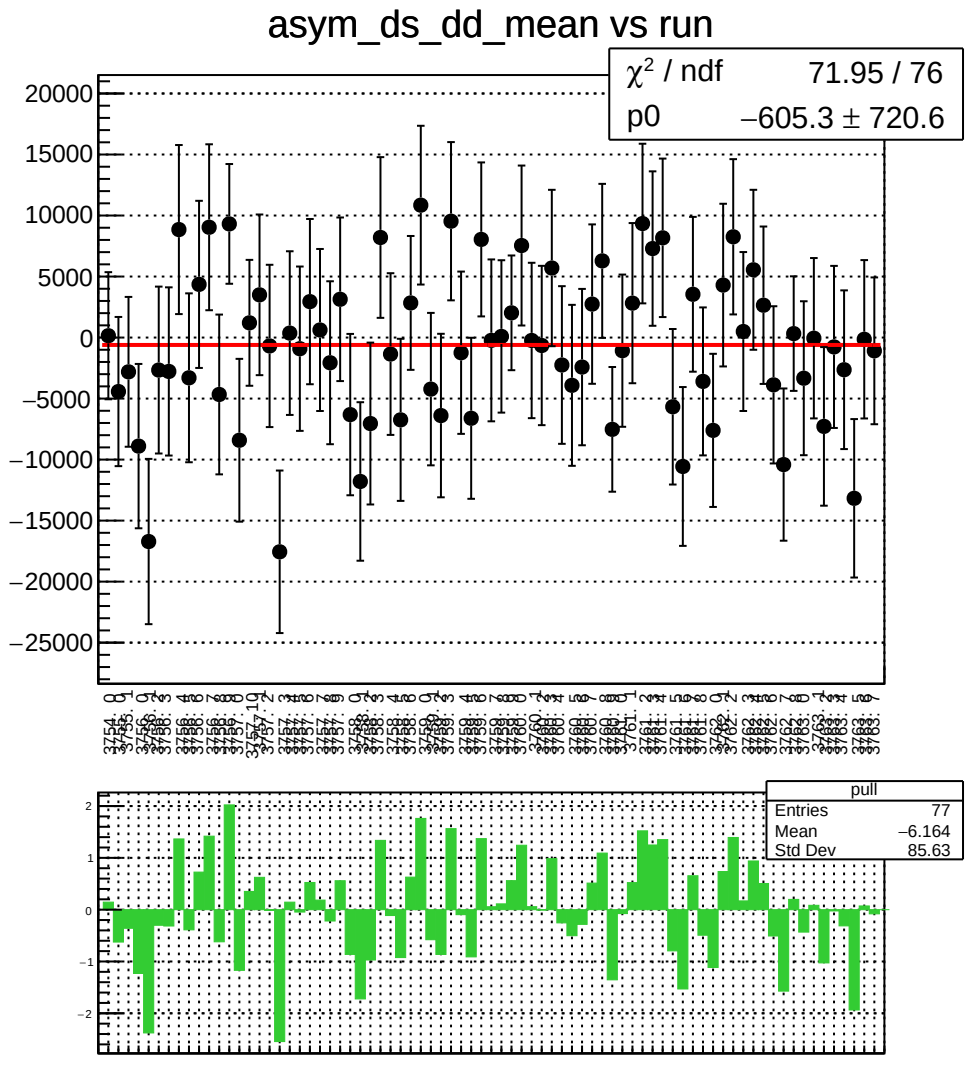

pull1D
Entries 77
Mean −0.006552
Std Dev 1.022

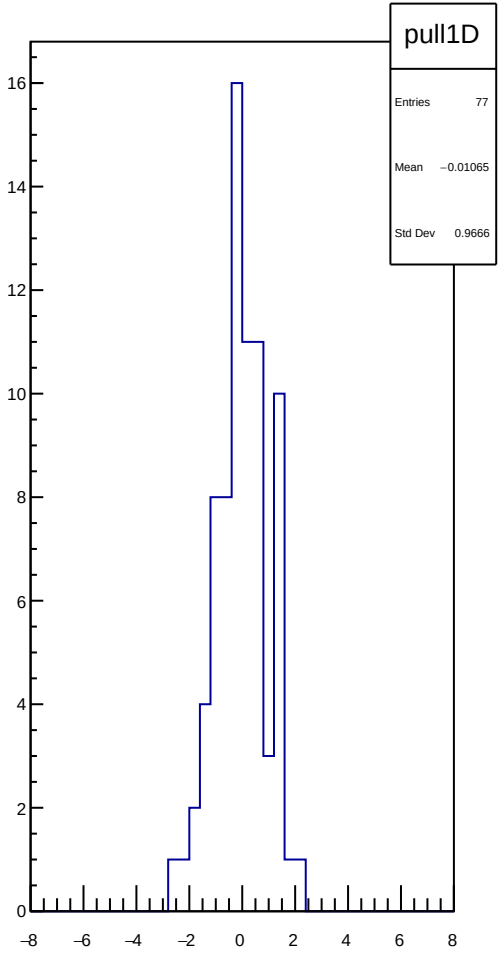

reg_asym_ds_dd_rms vs run
χ² / ndf 166.5 / 76
p0 93.56 ± 0.07696
100
98
96
94
92
90

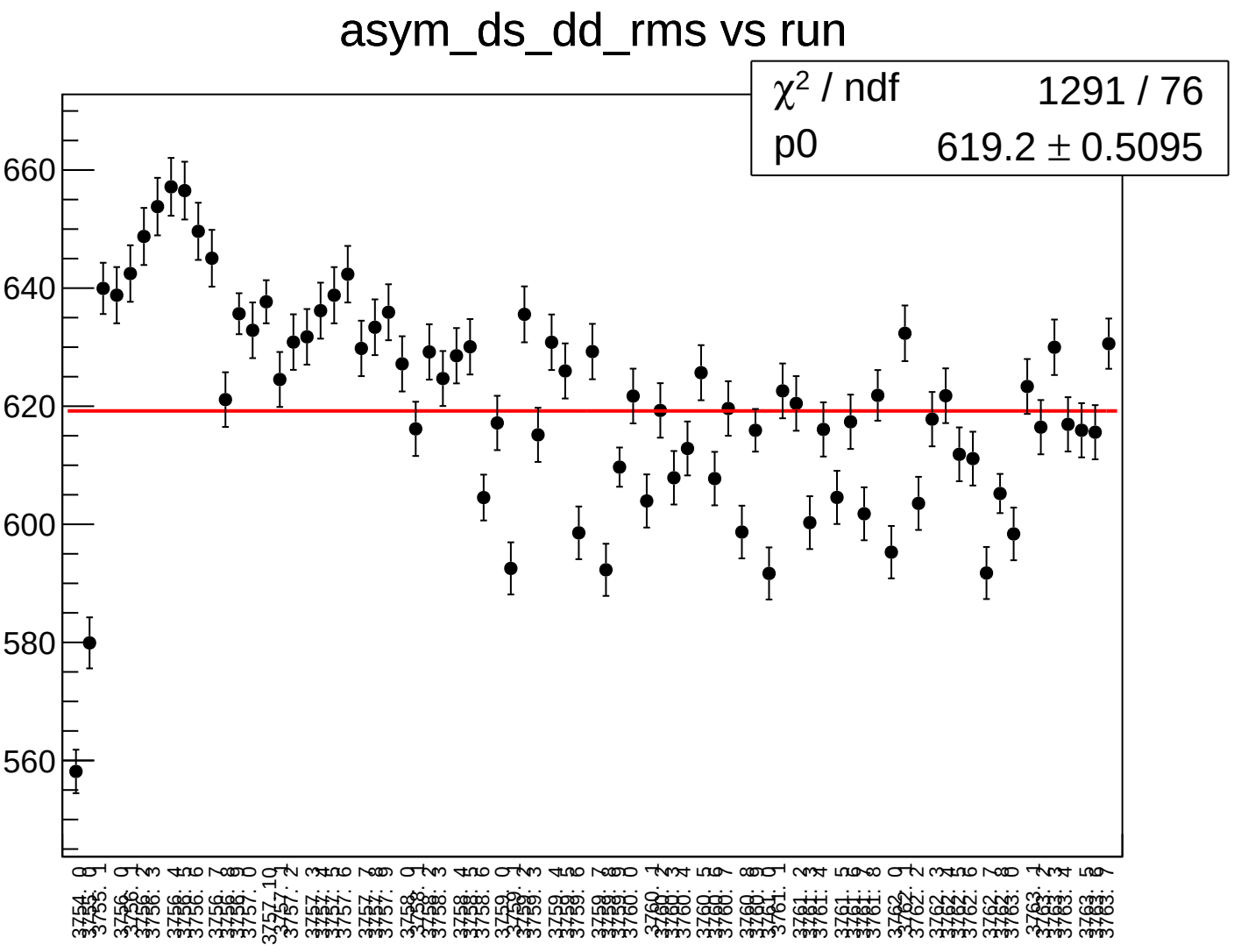

asym_ds_dd_correction_mean vs run
χ² / ndf 76.31 / 76
p0 640.4 ± 712.3
pull
Entries 77
Mean −32.34
Std Dev 68.58

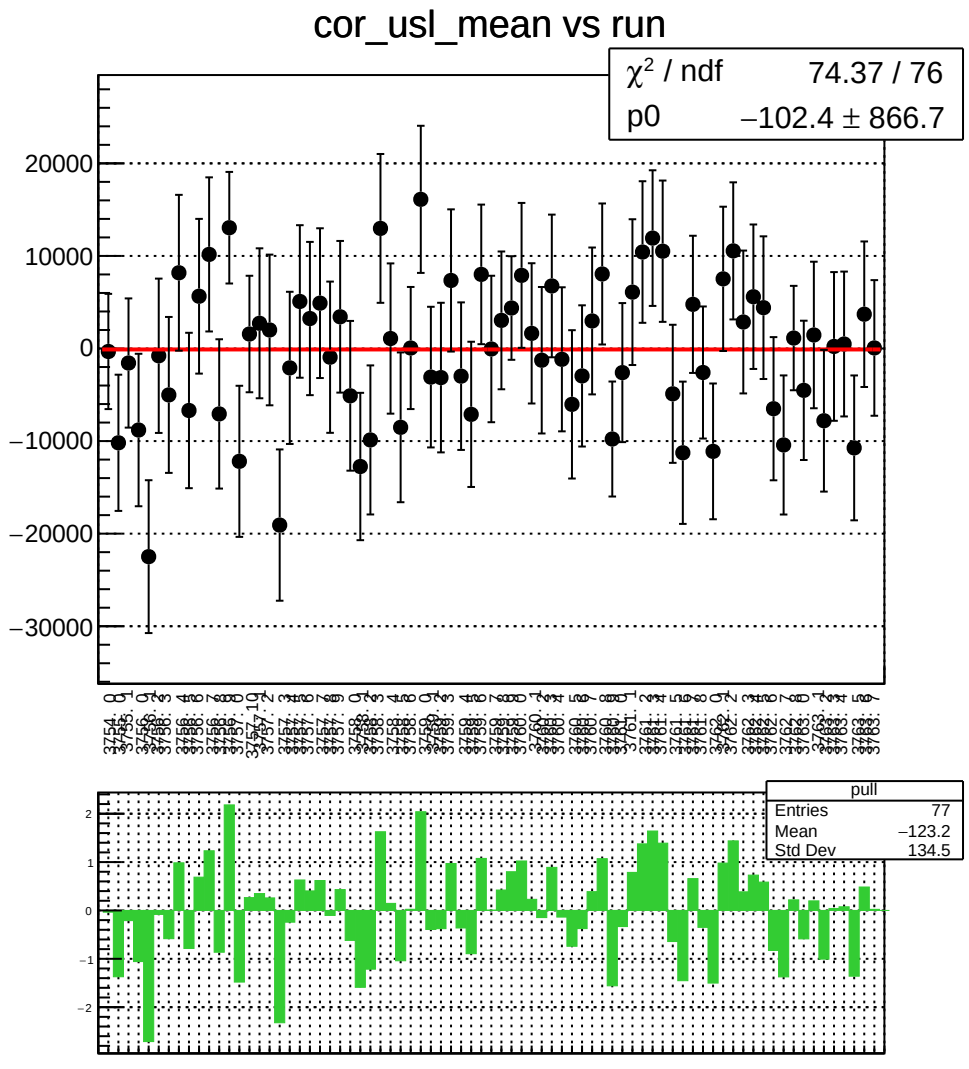

pull1D
Entries 77
Mean 0.01026
Std Dev 0.9955

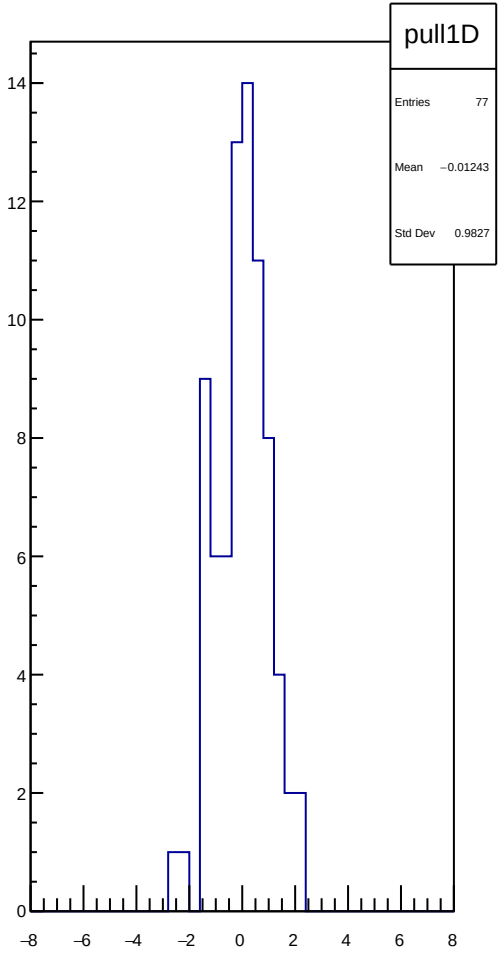

asym_ds_dd_correction_rms vs run
χ² / ndf 1358 / 76
p0 612.1 ± 0.5037
660
640
620
600
580
560
540

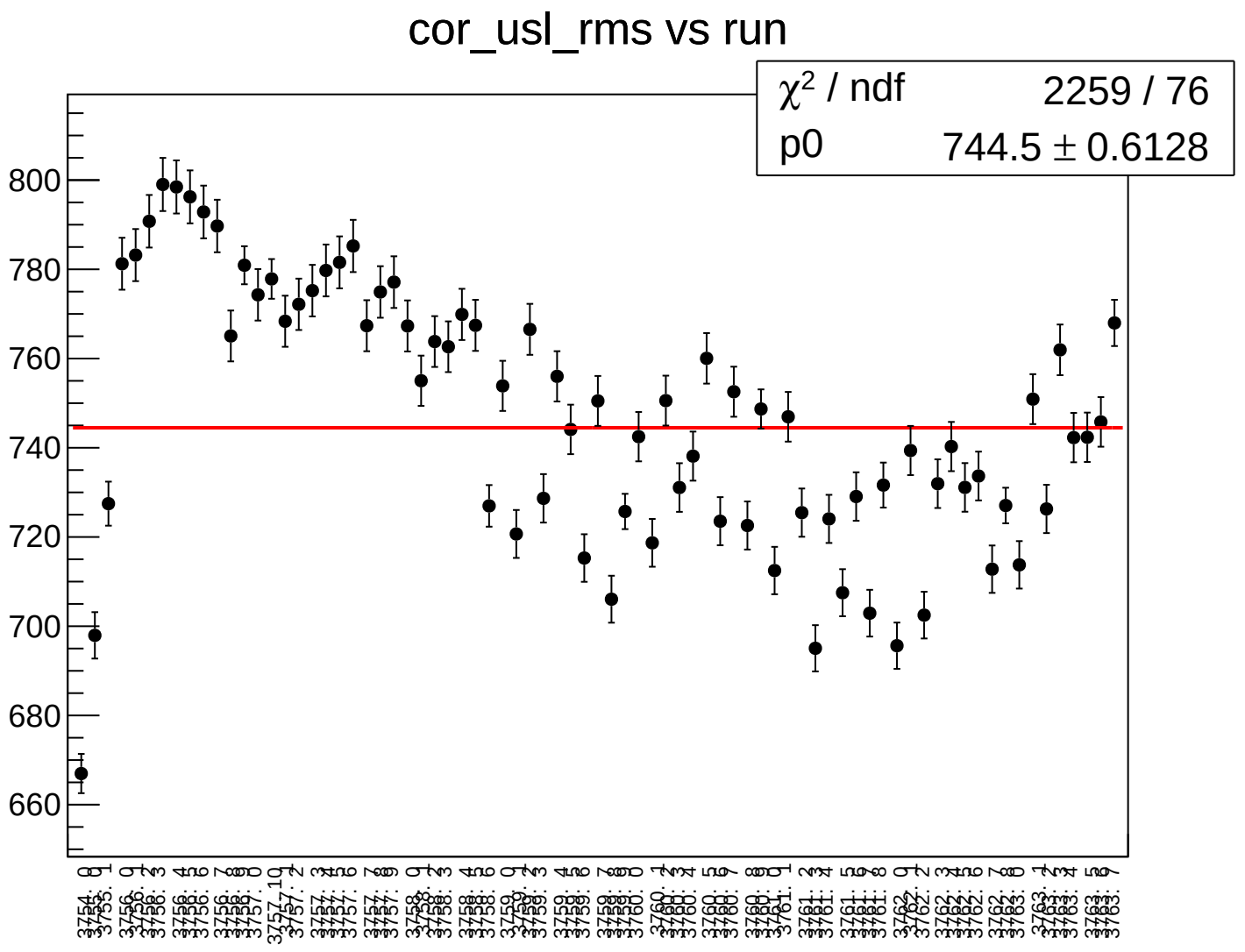

asym_ds_dd_mean vs run
χ² / ndf 71.95 / 76
p0 −605.3 ± 720.6
pull
Entries 77
Mean −6.164
Std Dev 85.63

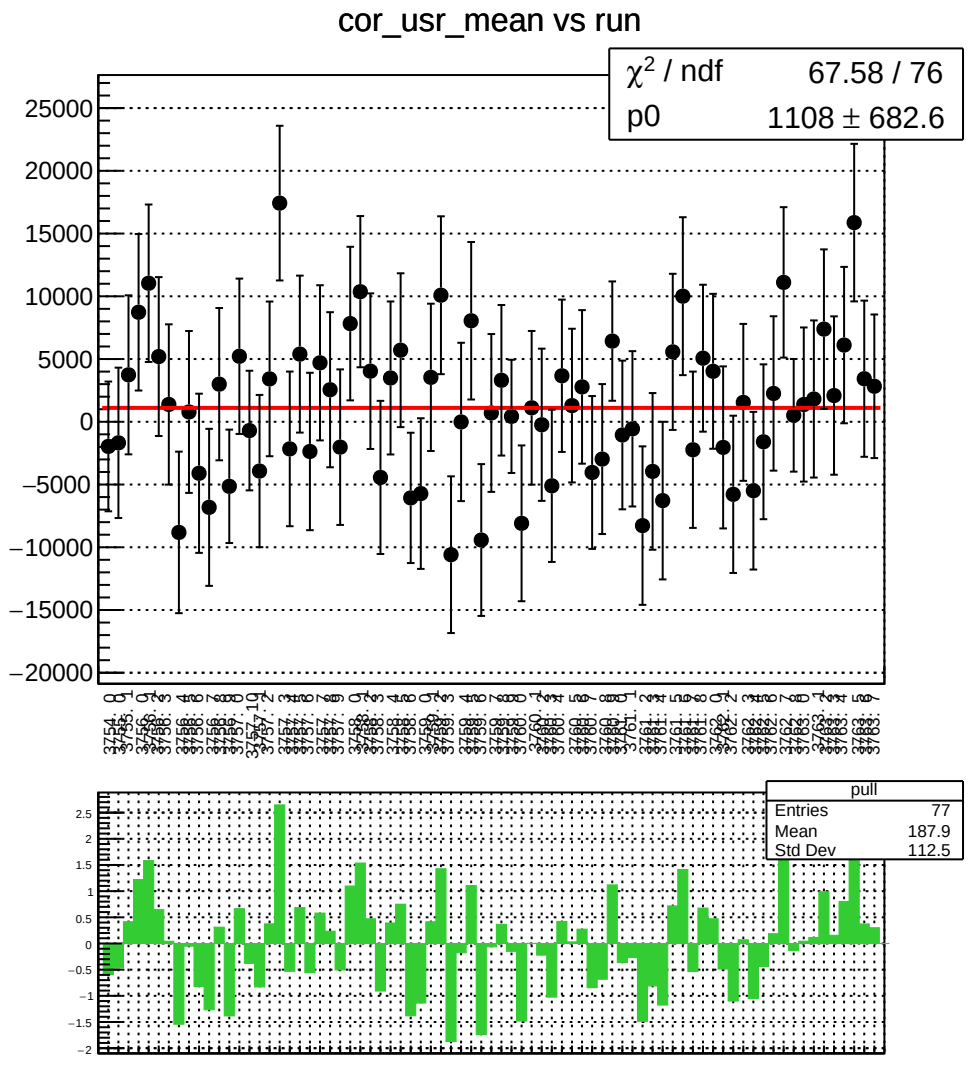

pull1D
Entries 77
Mean −0.01065
Std Dev 0.9666

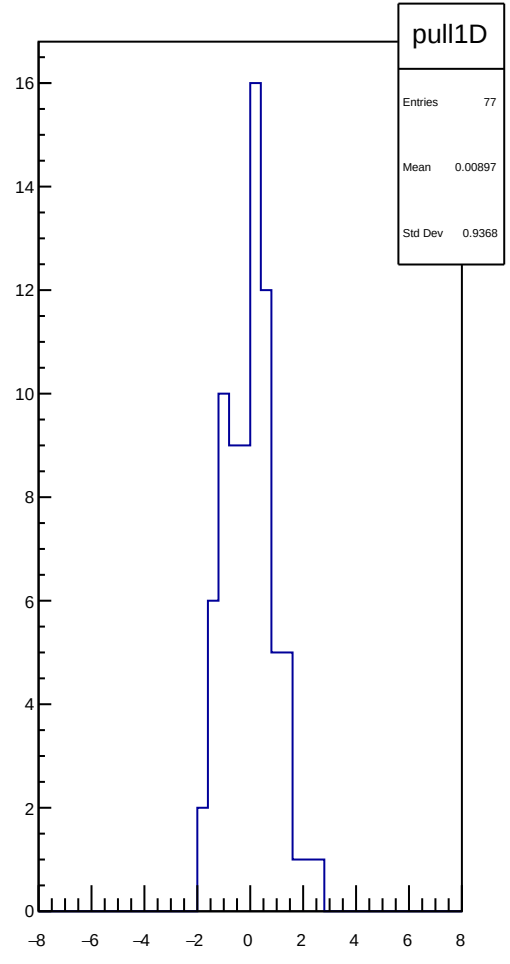

asym_ds_dd_rms vs run
χ² / ndf 1291 / 76
p0 619.2 ± 0.5095
660
640
620
600
580
560

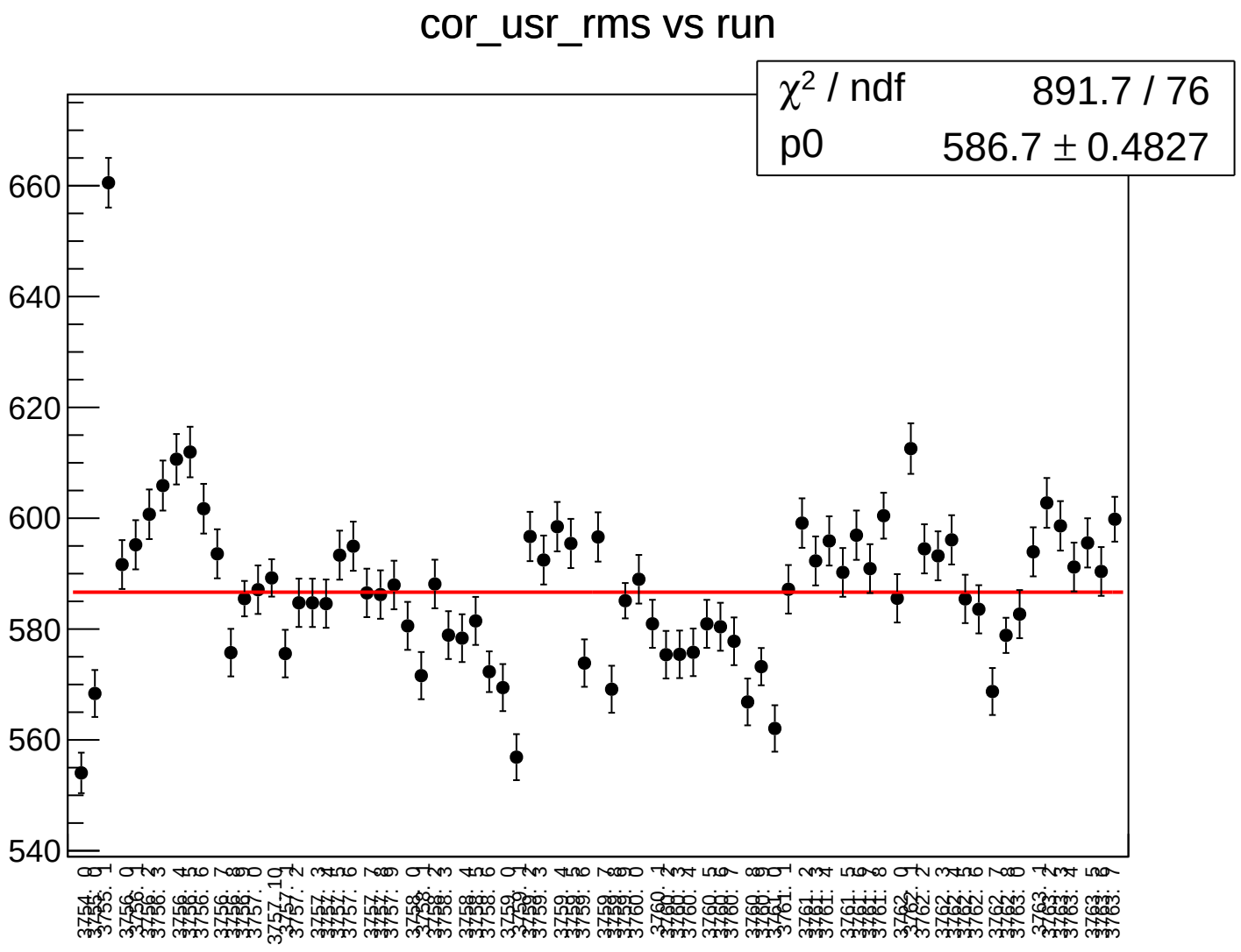

cor_usl_mean vs run
χ² / ndf 74.37 / 76
p0 −102.4 ± 866.7
pull
Entries 77
Mean −123.2
Std Dev 134.5

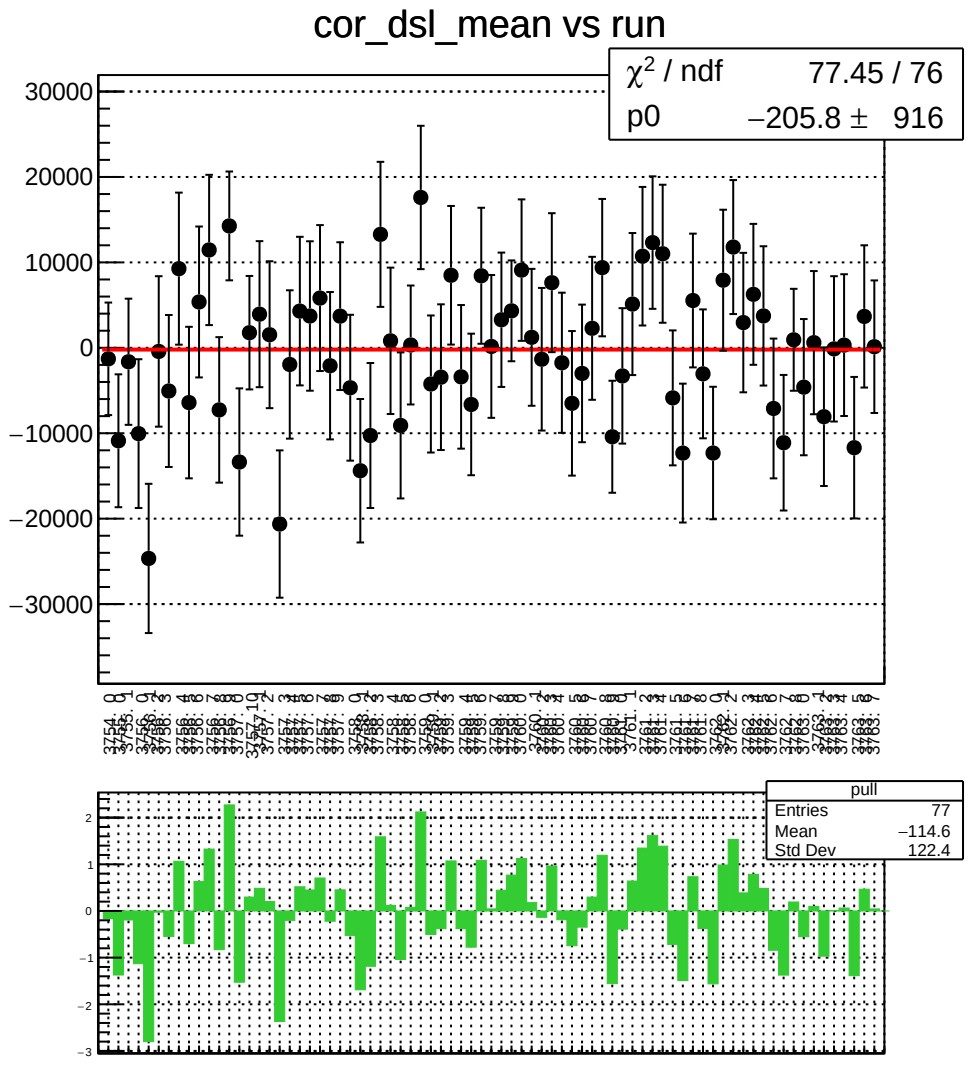

pull1D
Entries 77
Mean −0.01243
Std Dev 0.9827

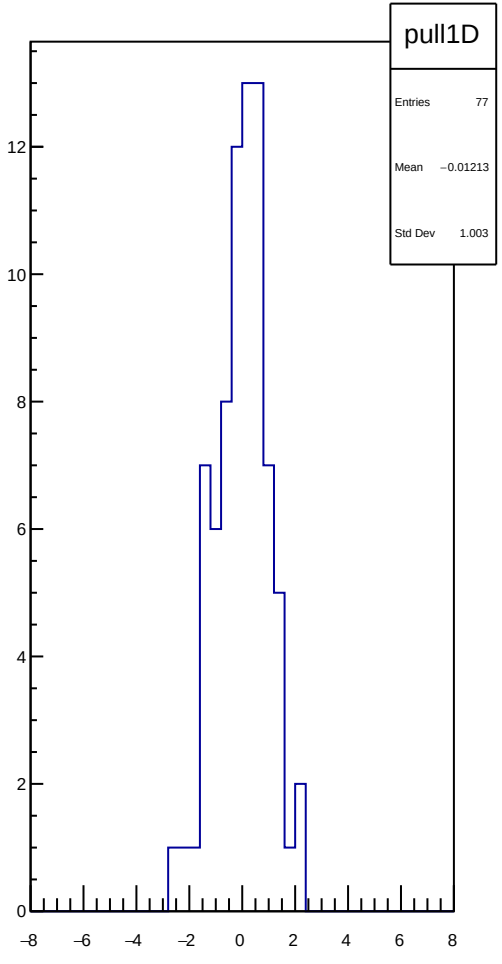

cor_usl_rms vs run
χ² / ndf 2259 / 76
p0 744.5 ± 0.6128
800
780
760
740
720
700
680
660

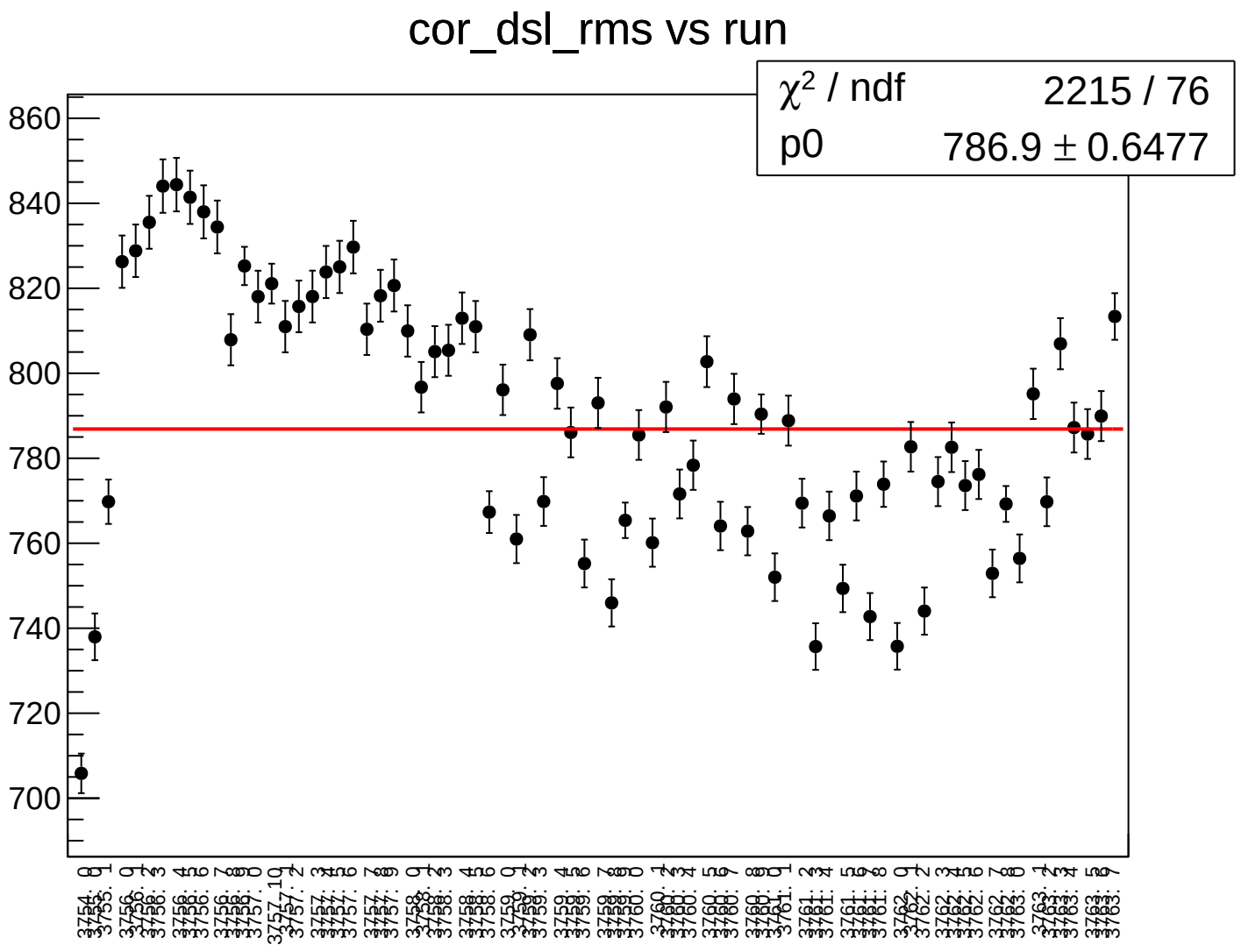

cor_usr_mean vs run
χ² / ndf 67.58 / 76
p0 1108 ± 682.6
pull
Entries 77
Mean 187.9
Std Dev 112.5

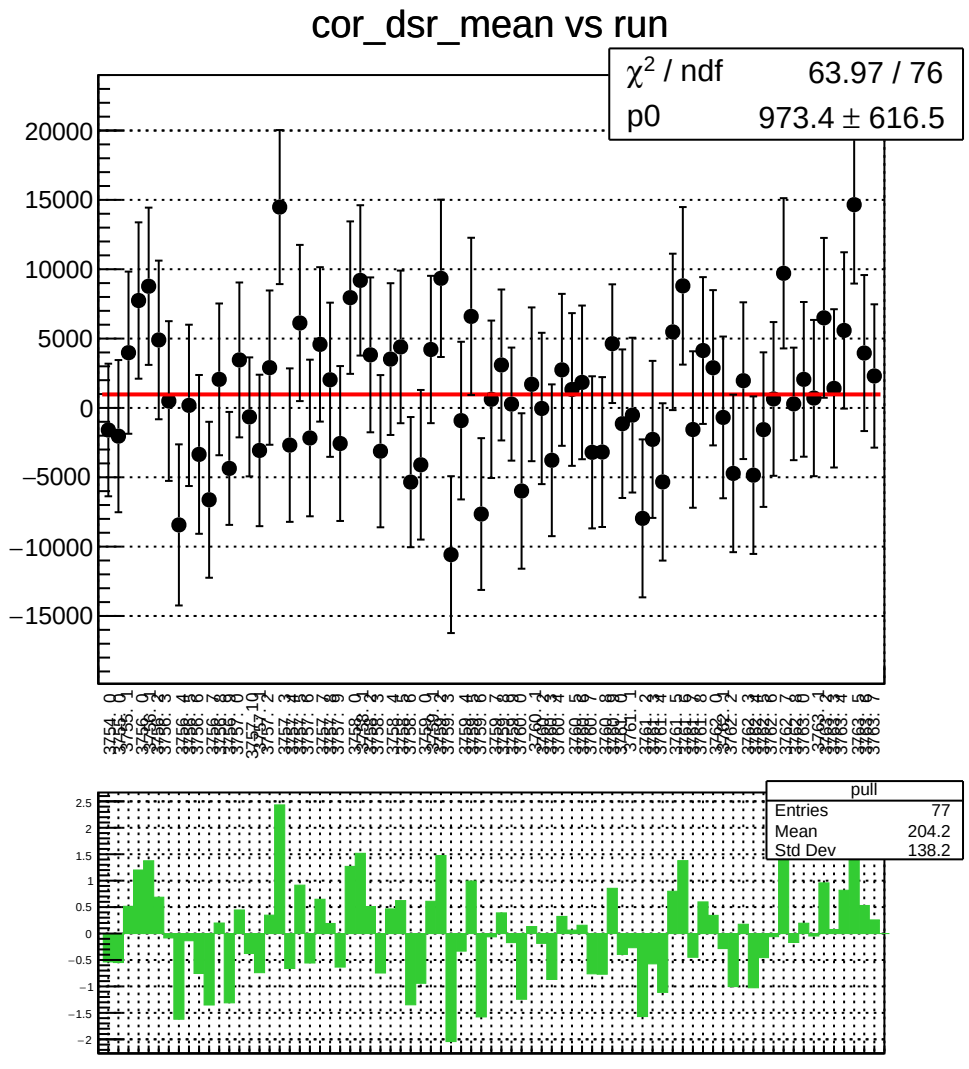

pull1D
Entries 77
Mean 0.00897
Std Dev 0.9368

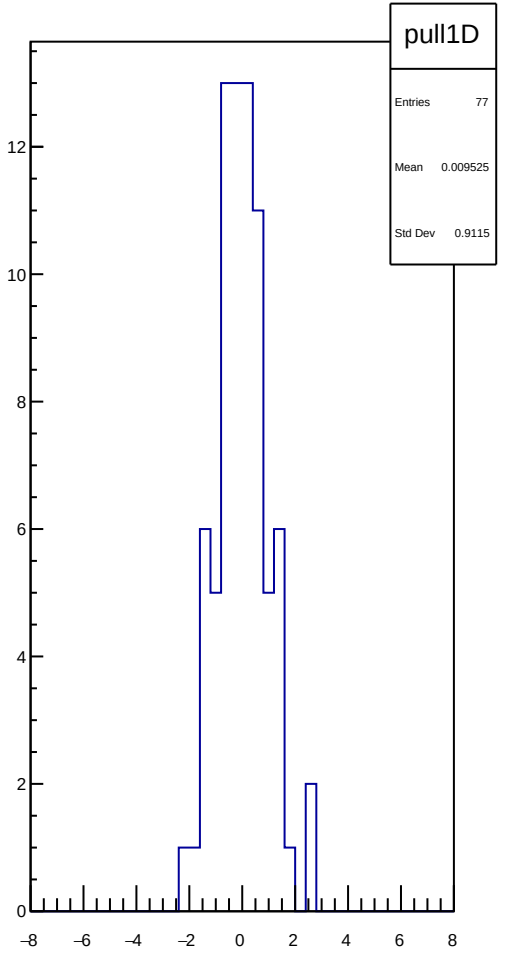

cor_usr_rms vs run
χ² / ndf 891.7 / 76
p0 586.7 ± 0.4827
660
640
620
600
580
560
540

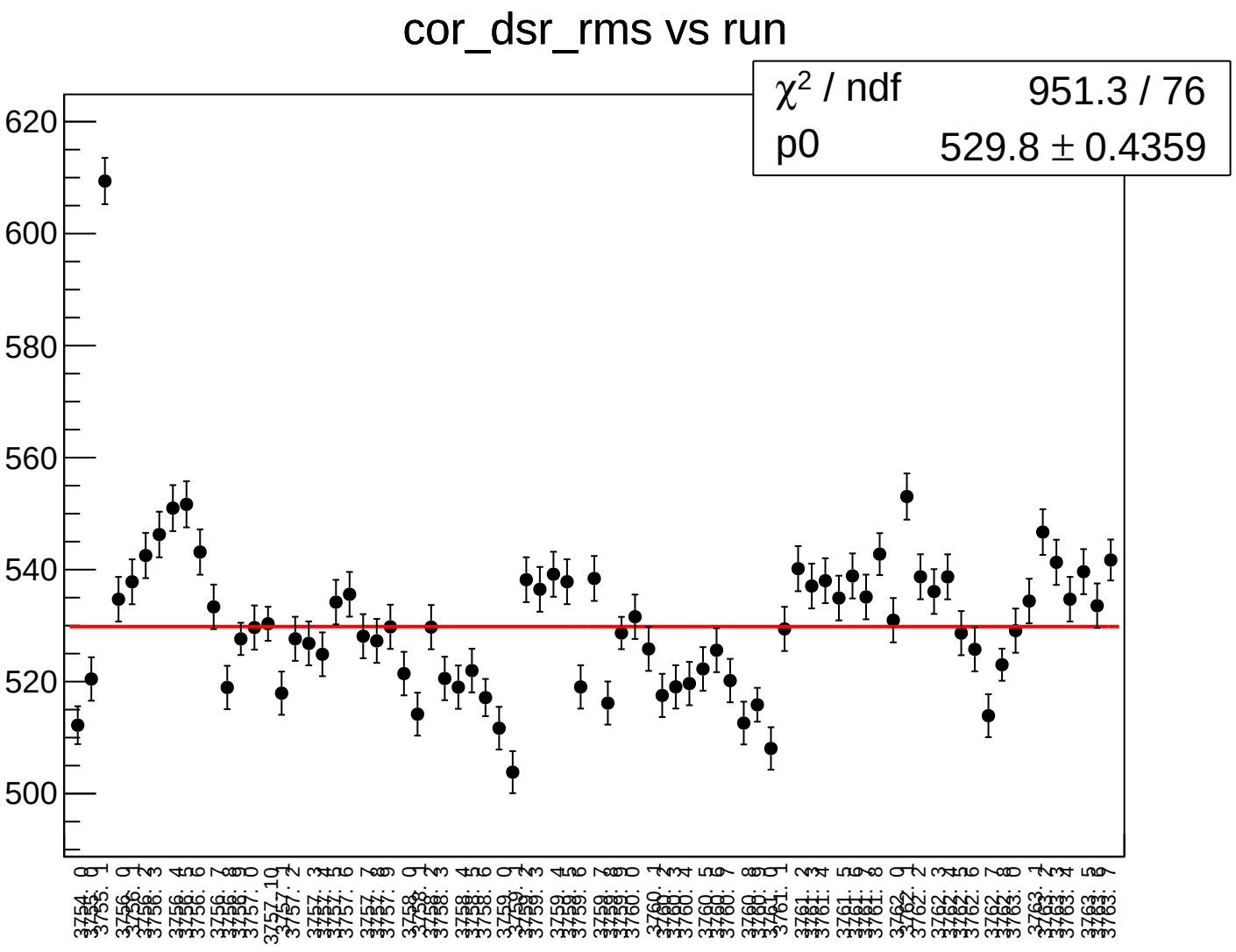

cor_dsl_mean vs run
χ² / ndf 77.45 / 76
p0 −205.8 ± 916
pull
Entries 77
Mean −114.6
Std Dev 122.4

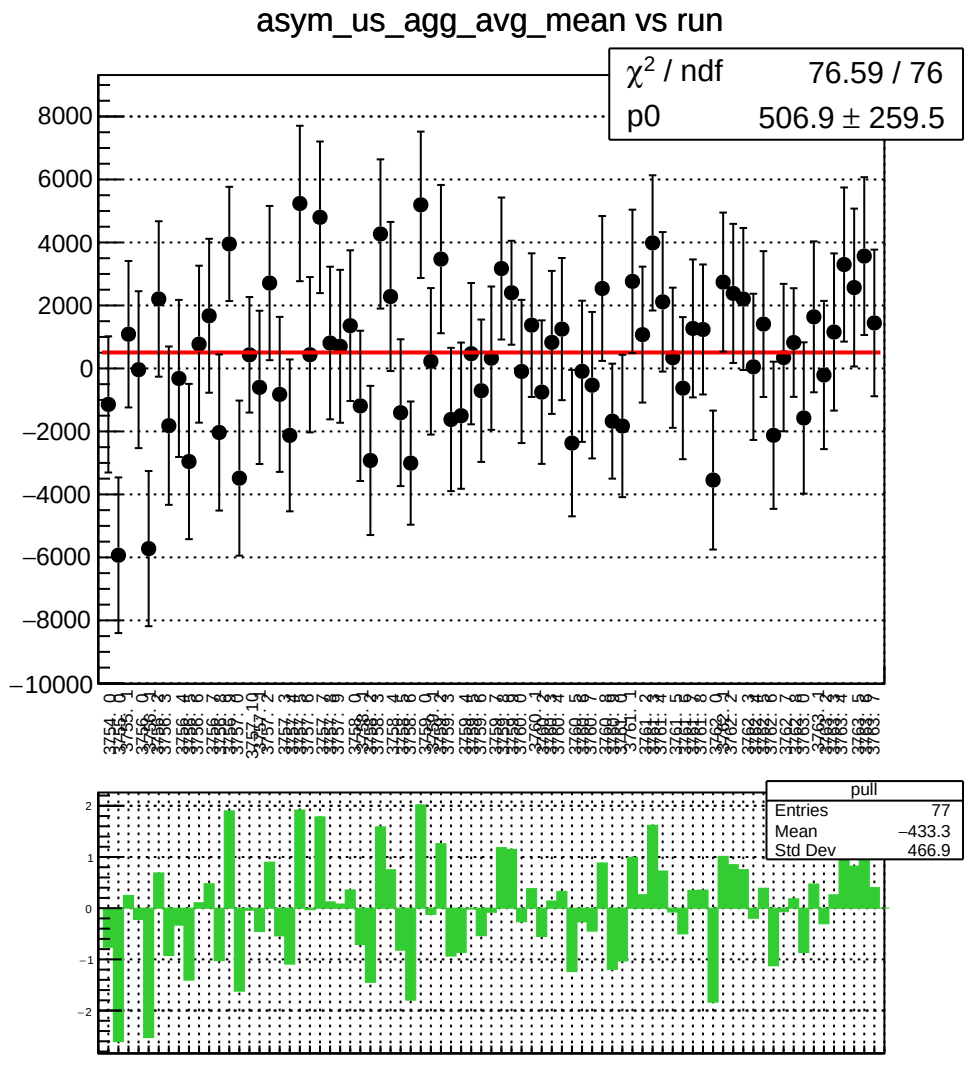

pull1D
Entries 77
Mean −0.01213
Std Dev 1.003

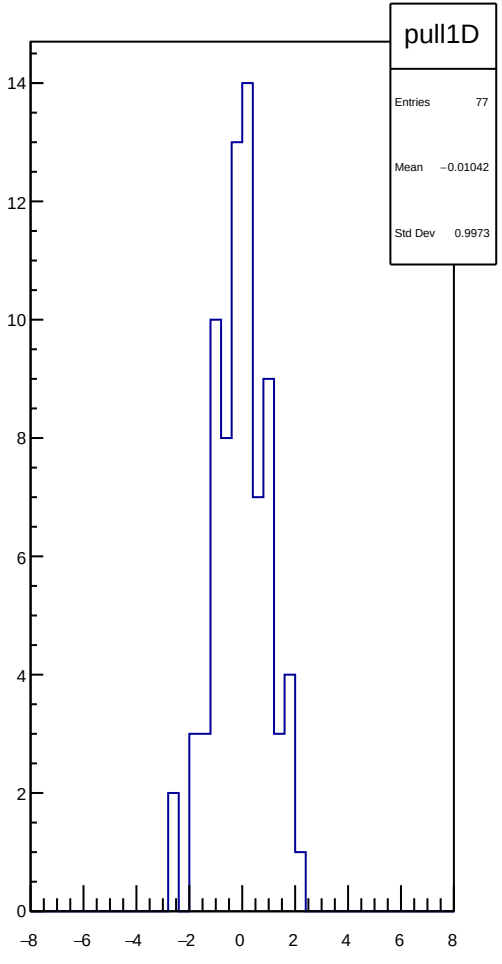

cor_dsl_rms vs run
χ² / ndf 2215 / 76
p0 786.9 ± 0.6477
860
840
820
800
780
760
740
720
700

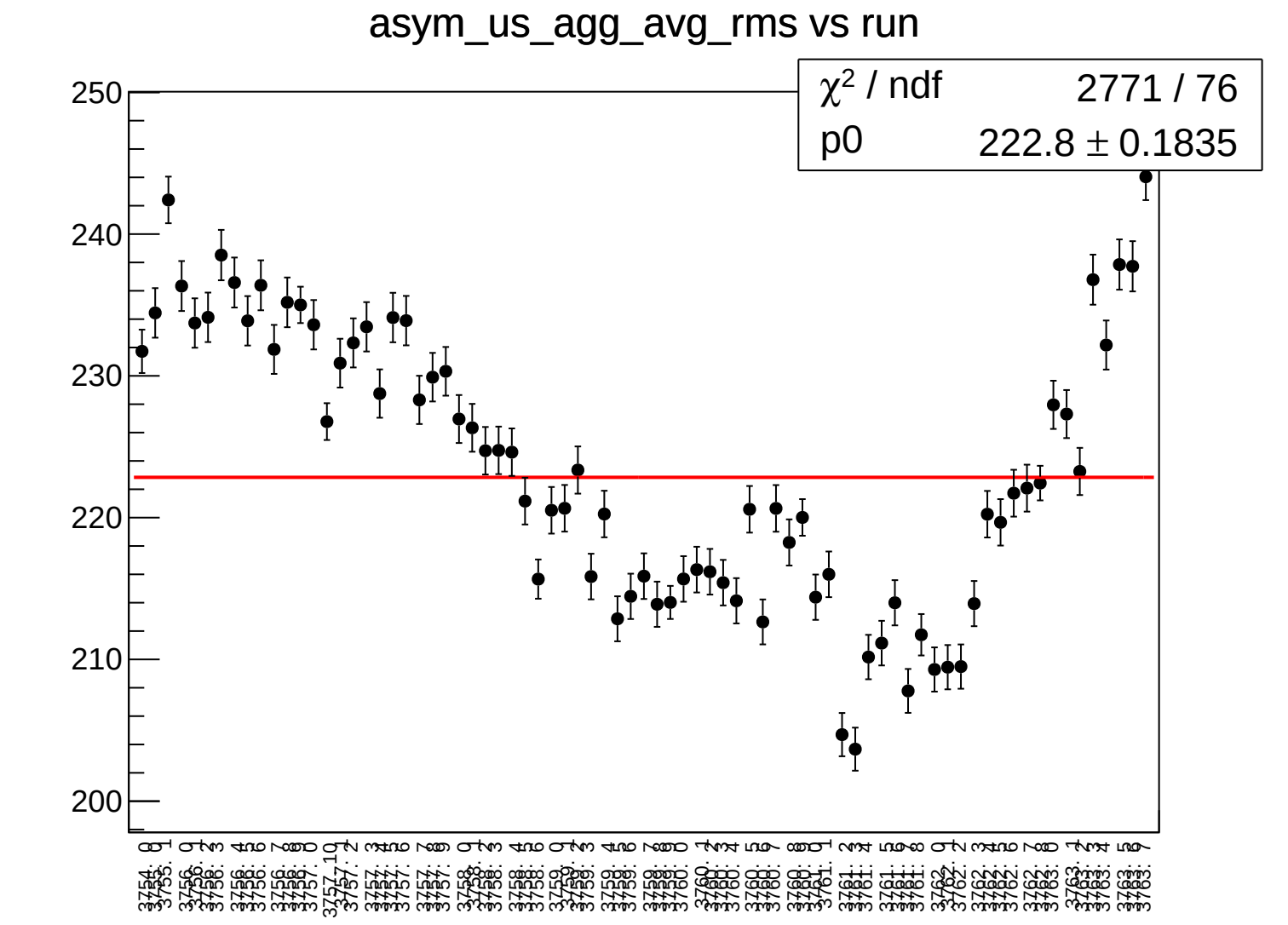

cor_dsr_mean vs run
χ² / ndf 63.97 / 76
p0 973.4 ± 616.5
pull
Entries 77
Mean 204.2
Std Dev 138.2

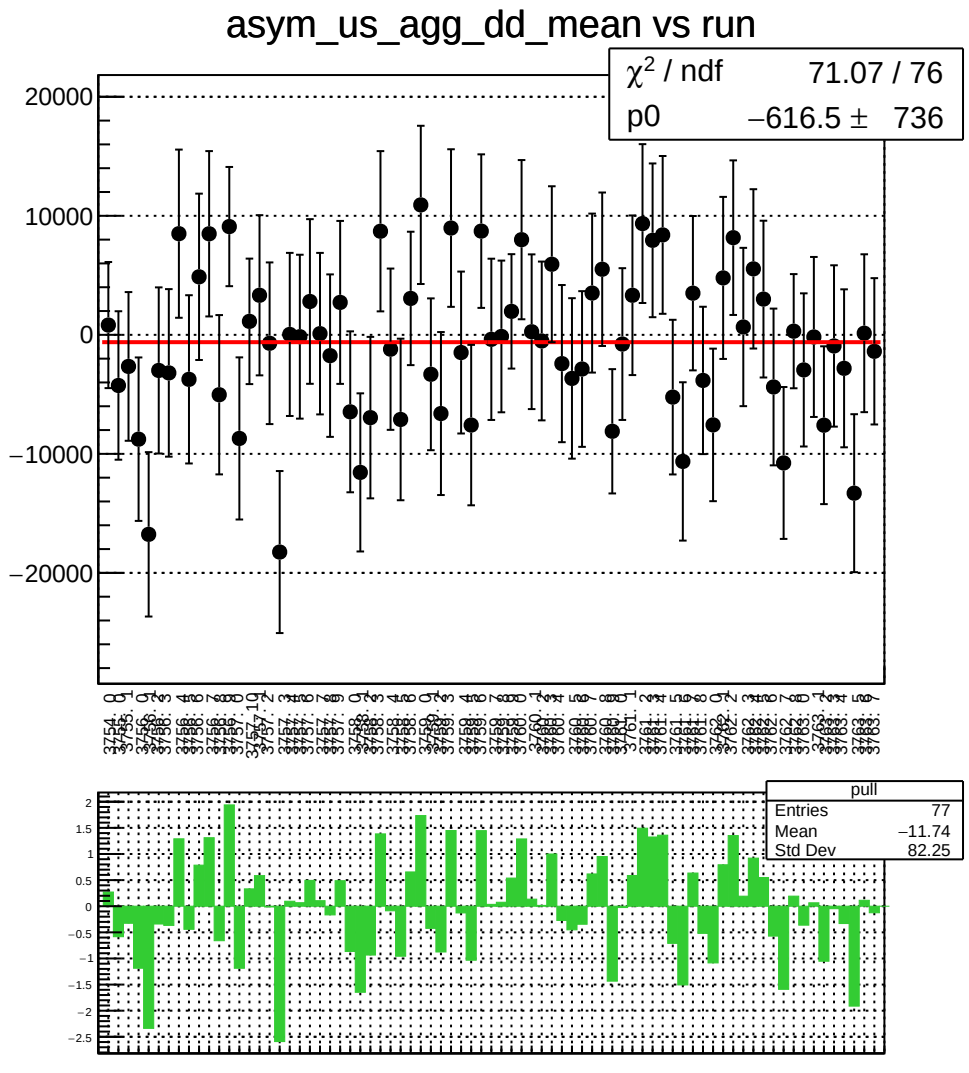

pull1D
Entries 77
Mean 0.009525
Std Dev 0.9115

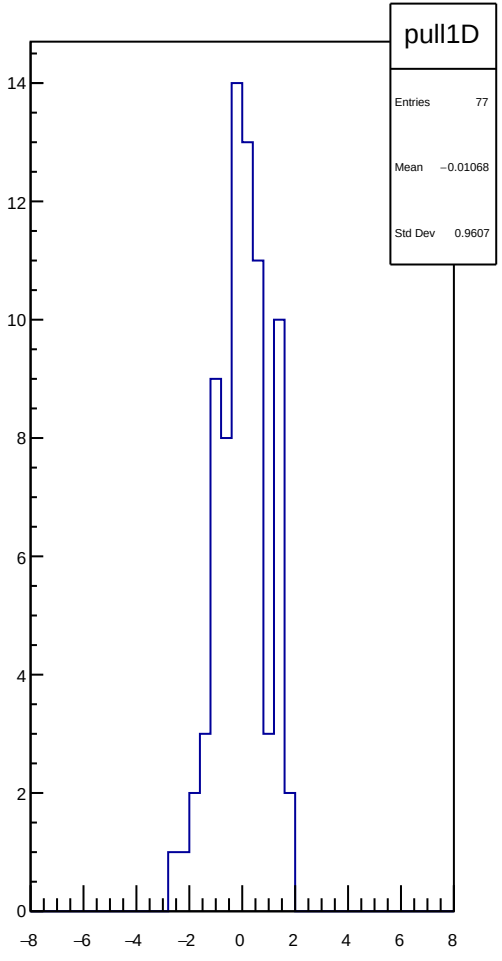

cor_dsr_rms vs run
χ² / ndf 951.3 / 76
p0 529.8 ± 0.4359
620
600
580
560
540
520
500

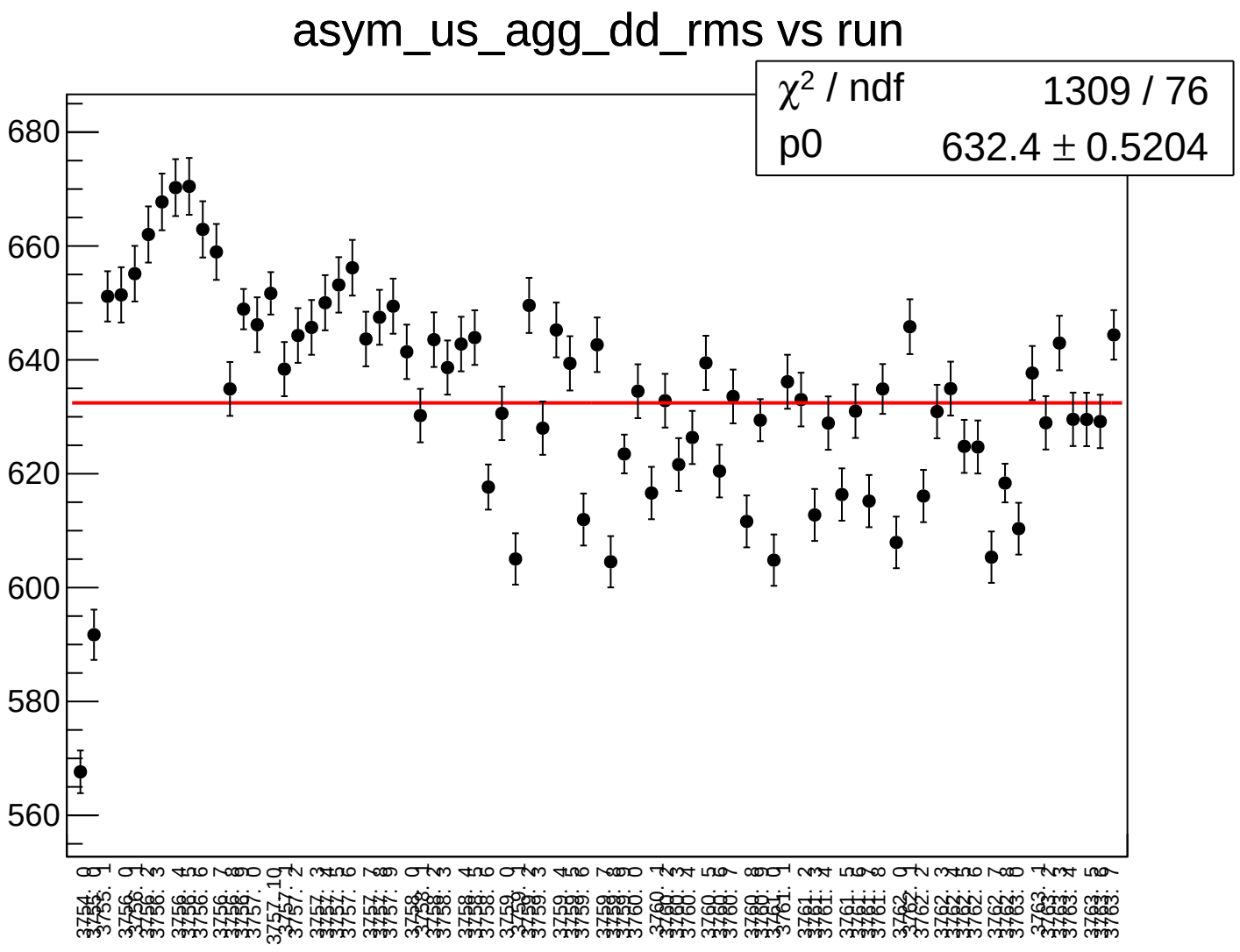

asym_us_agg_avg_mean vs run
χ² / ndf 76.59 / 76
p0 506.9 ± 259.5
pull
Entries 77
Mean −433.3
Std Dev 466.9

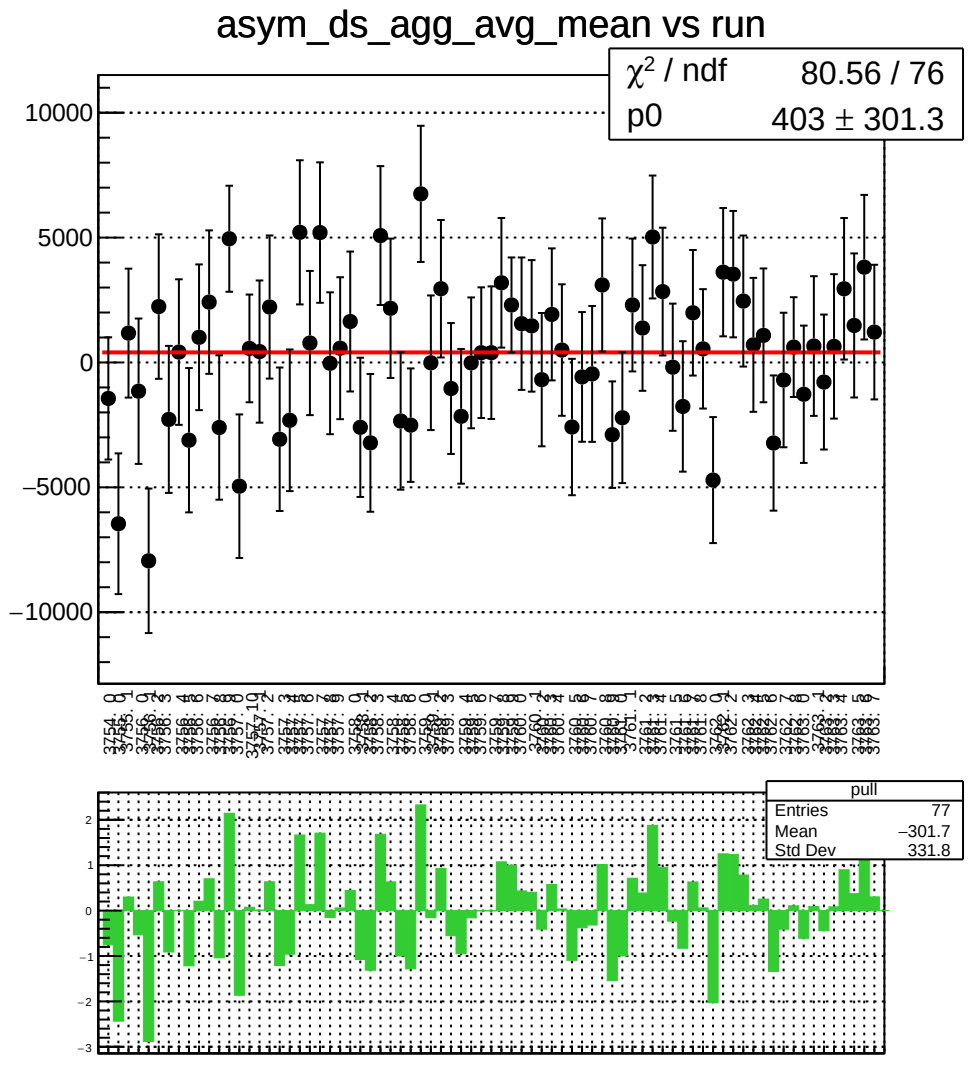

pull1D
Entries 77
Mean −0.01042
Std Dev 0.9973

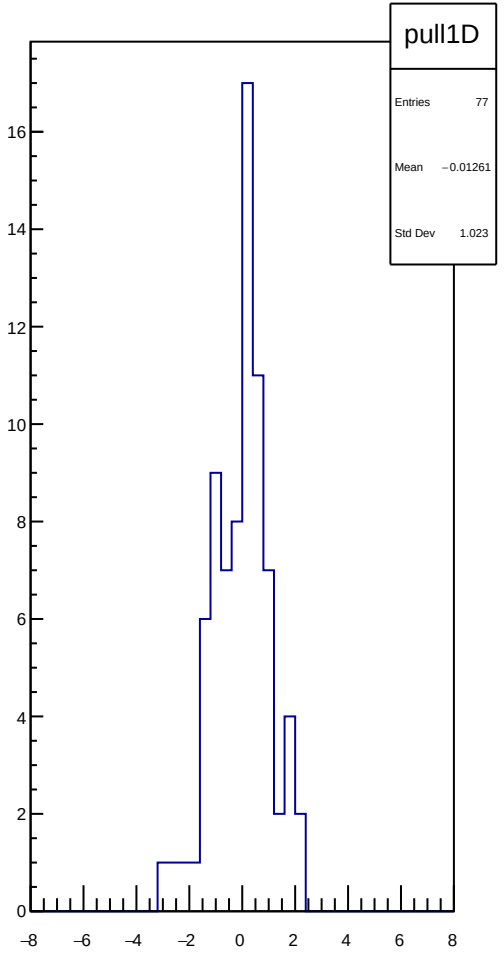

asym_us_agg_avg_rms vs run
χ^2 / ndf 2771 / 76
p0 222.8 ± 0.1835
250
240
230
220
210
200

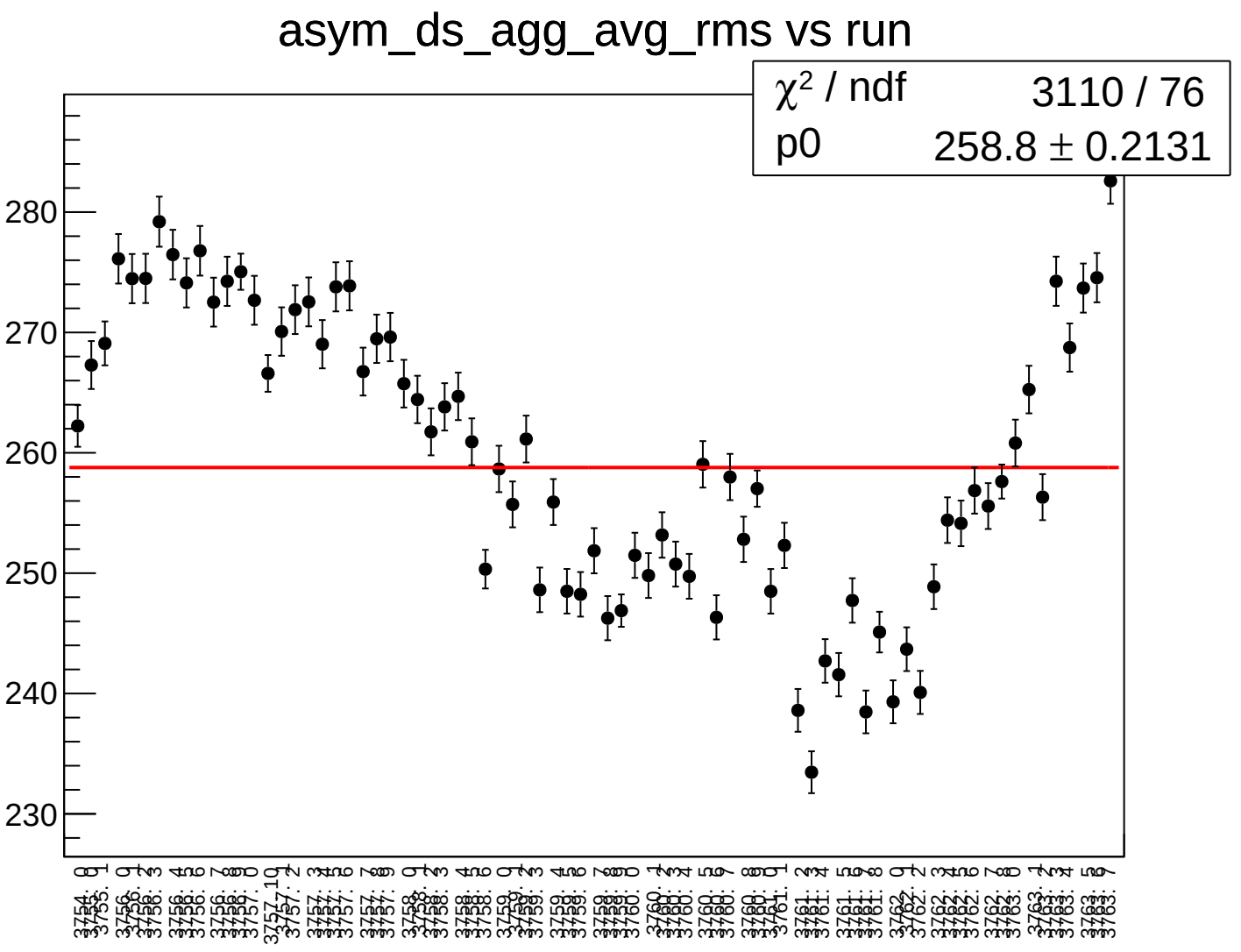

asym_us_agg_dd_mean vs run
χ² / ndf 71.07 / 76
p0 −616.5 ± 736
pull
Entries 77
Mean −11.74
Std Dev 82.25

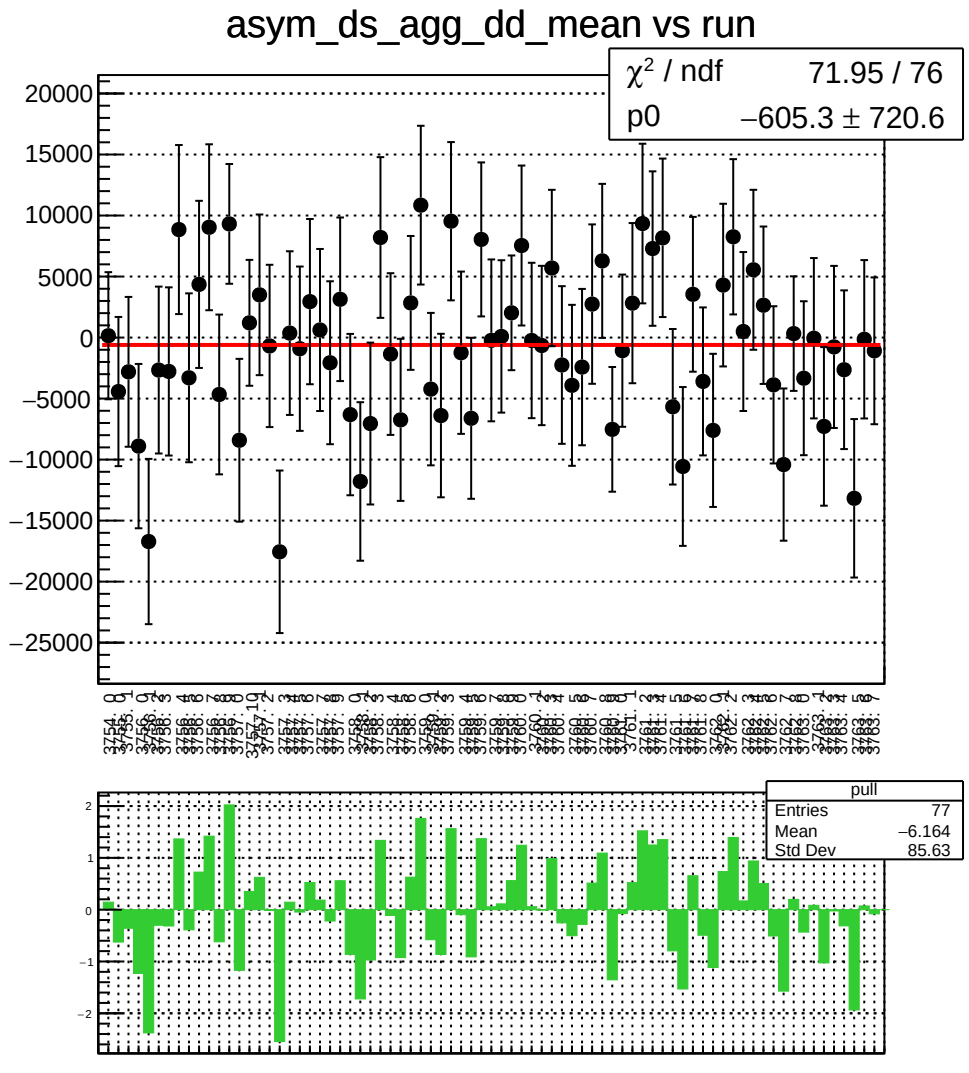

pull1D
Entries 77
Mean −0.01068
Std Dev 0.9607

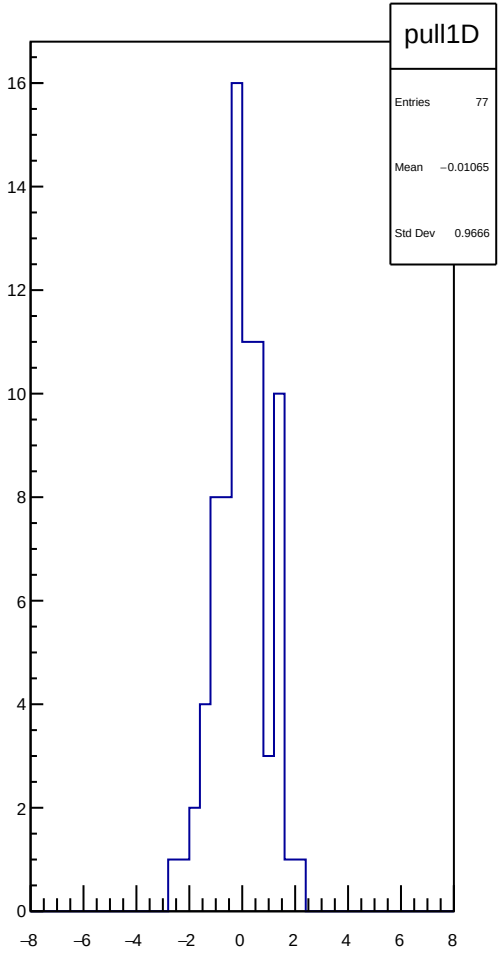

asym_us_agg_dd_rms vs run
χ² / ndf 1309 / 76
p0 632.4 ± 0.5204
680
660
640
620
600
580
560

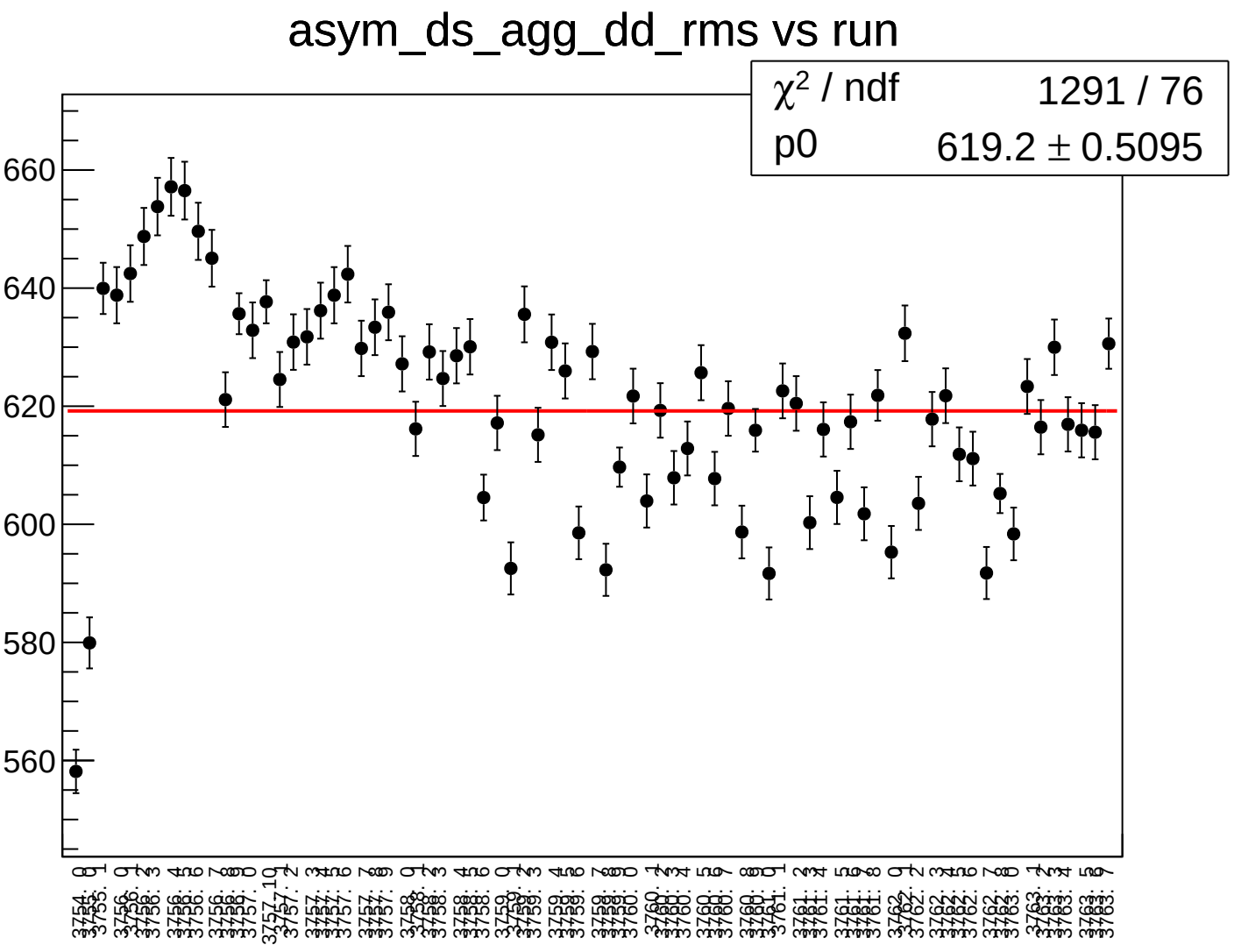

asym_ds_agg_avg_mean vs run
χ^2 / ndf 80.56 / 76
p0 403 ± 301.3
pull
Entries 77
Mean −301.7
Std Dev 331.8

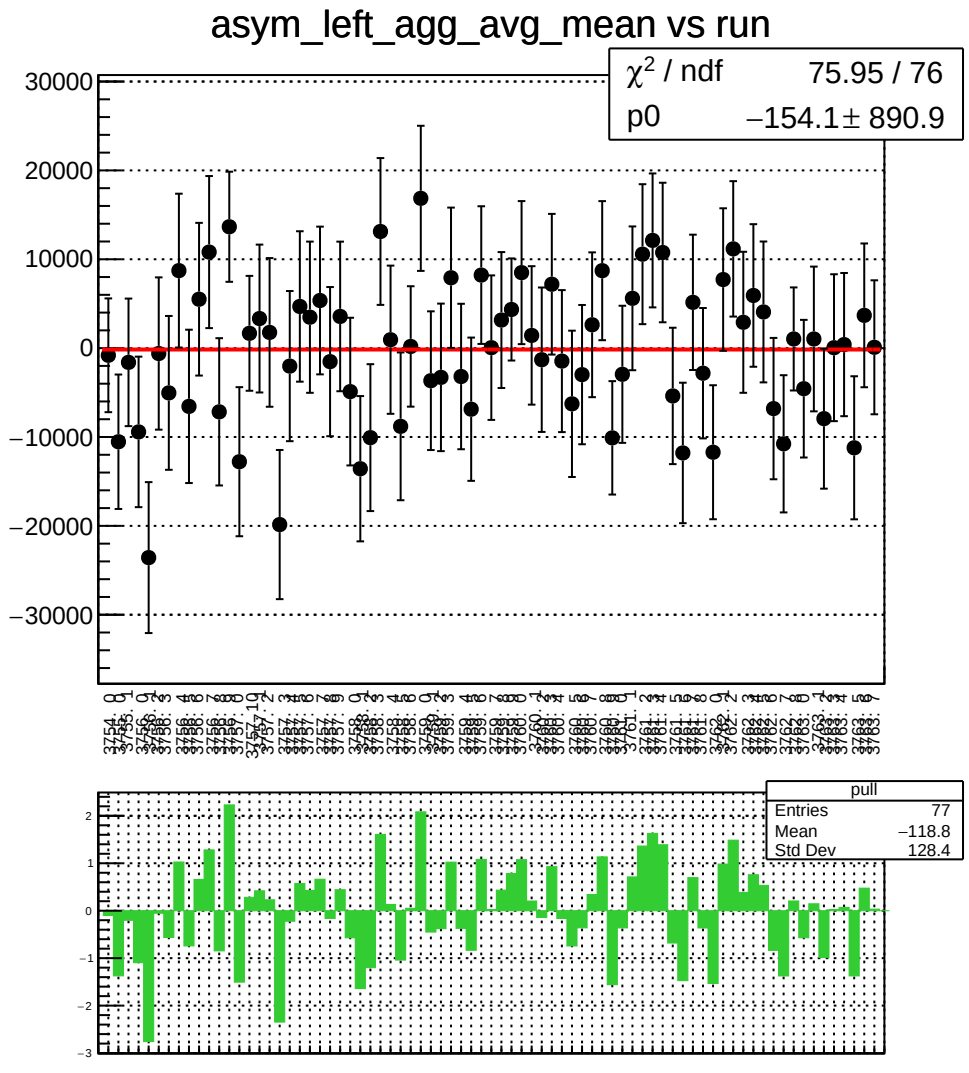

pull1D
Entries 77
Mean −0.01261
Std Dev 1.023

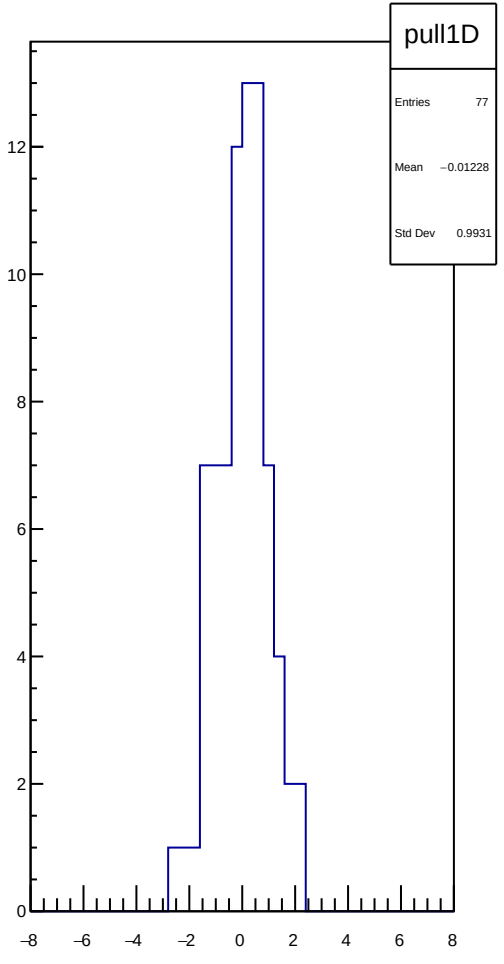

asym_ds_agg_avg_rms vs run
χ^2 / ndf 3110 / 76
p0 258.8 ± 0.2131
280
270
260
250
240
230

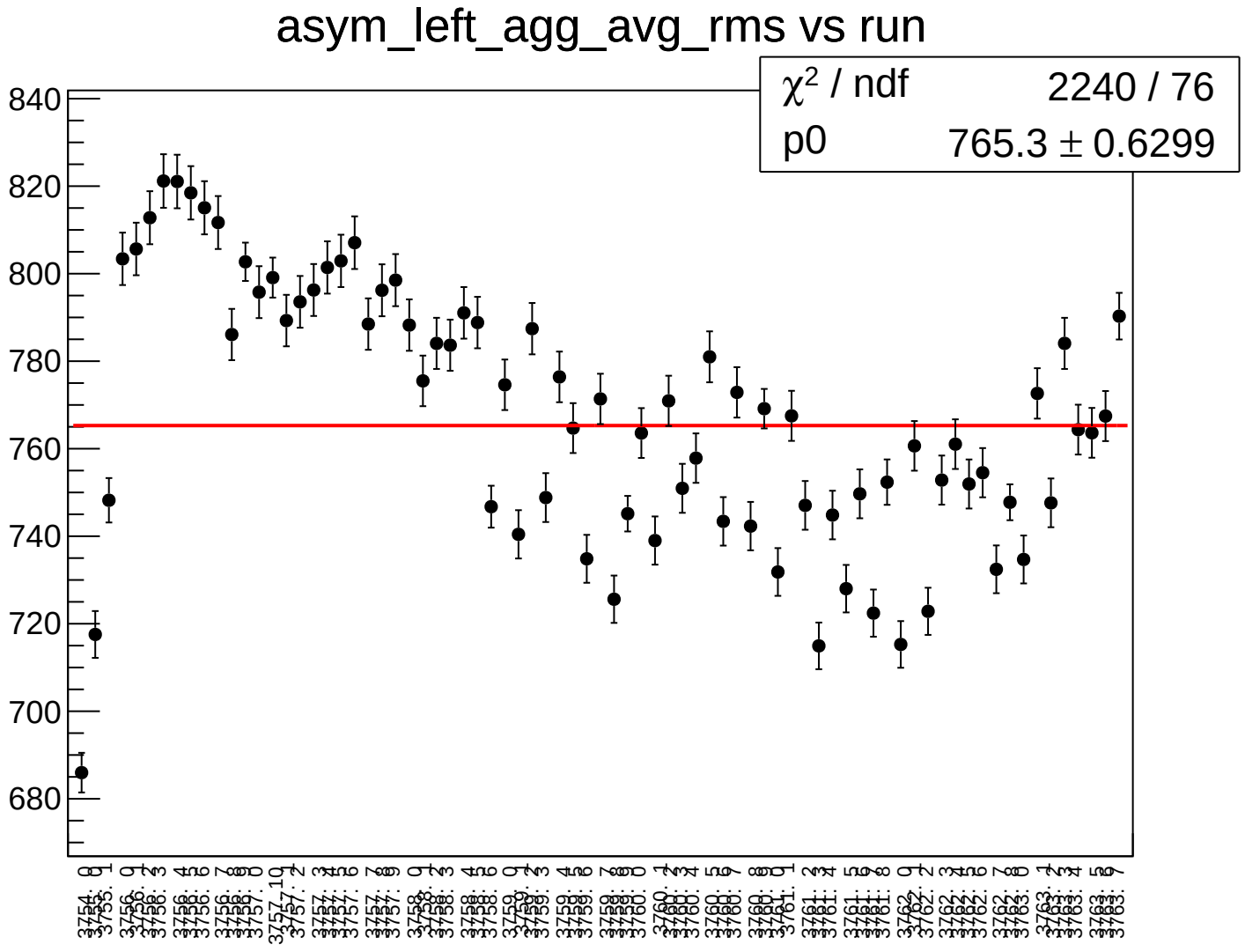

asym_ds_agg_dd_mean vs run
χ² / ndf 71.95 / 76
p0 −605.3 ± 720.6
pull
Entries 77
Mean −6.164
Std Dev 85.63

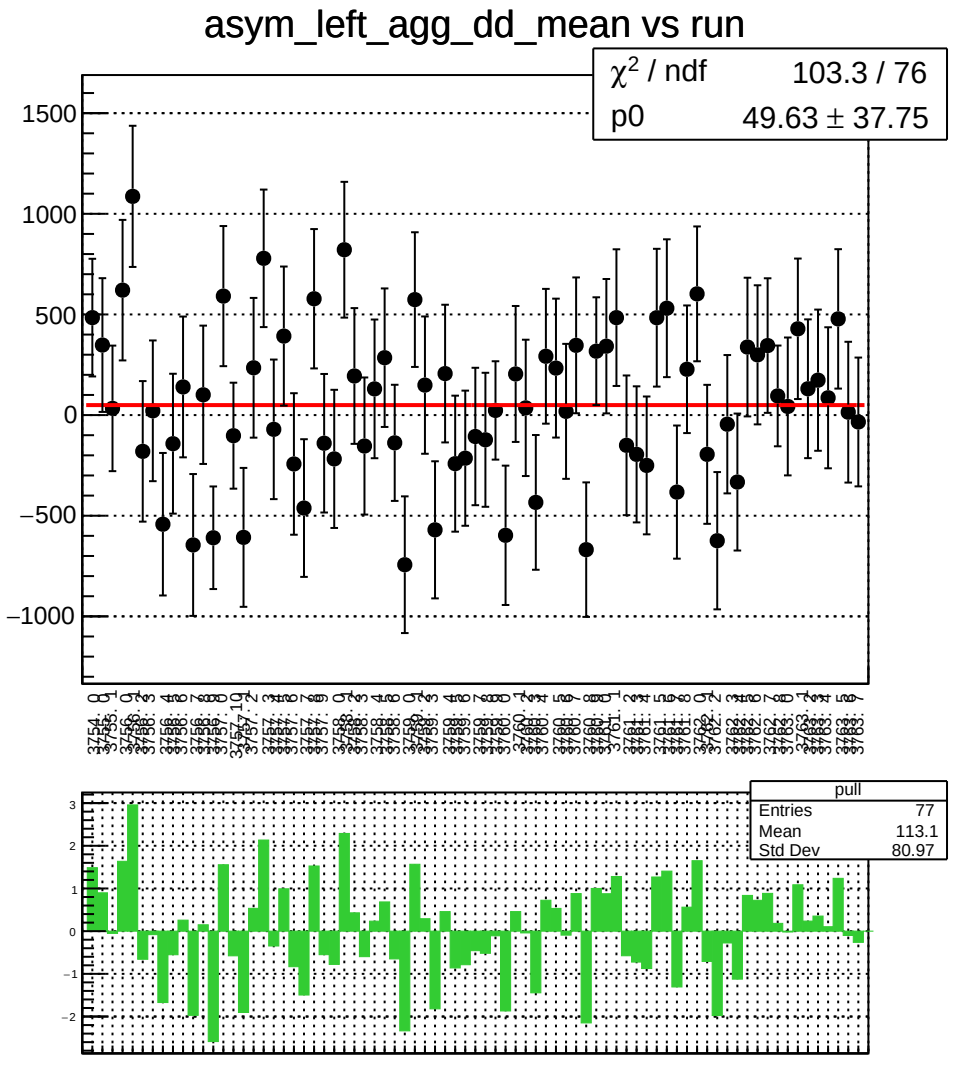

pull1D
Entries 77
Mean −0.01065
Std Dev 0.9666

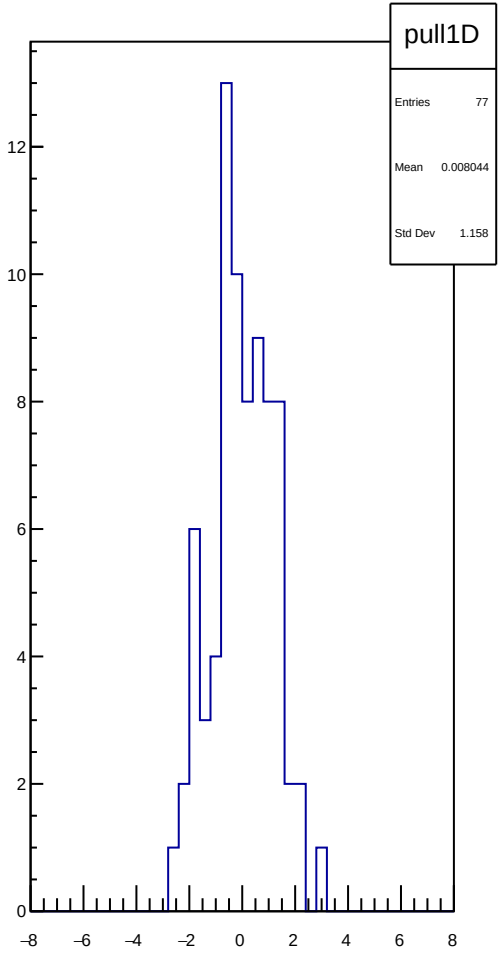

asym_ds_agg_dd_rms vs run
χ² / ndf 1291 / 76
p0 619.2 ± 0.5095
660
640
620
600
580
560

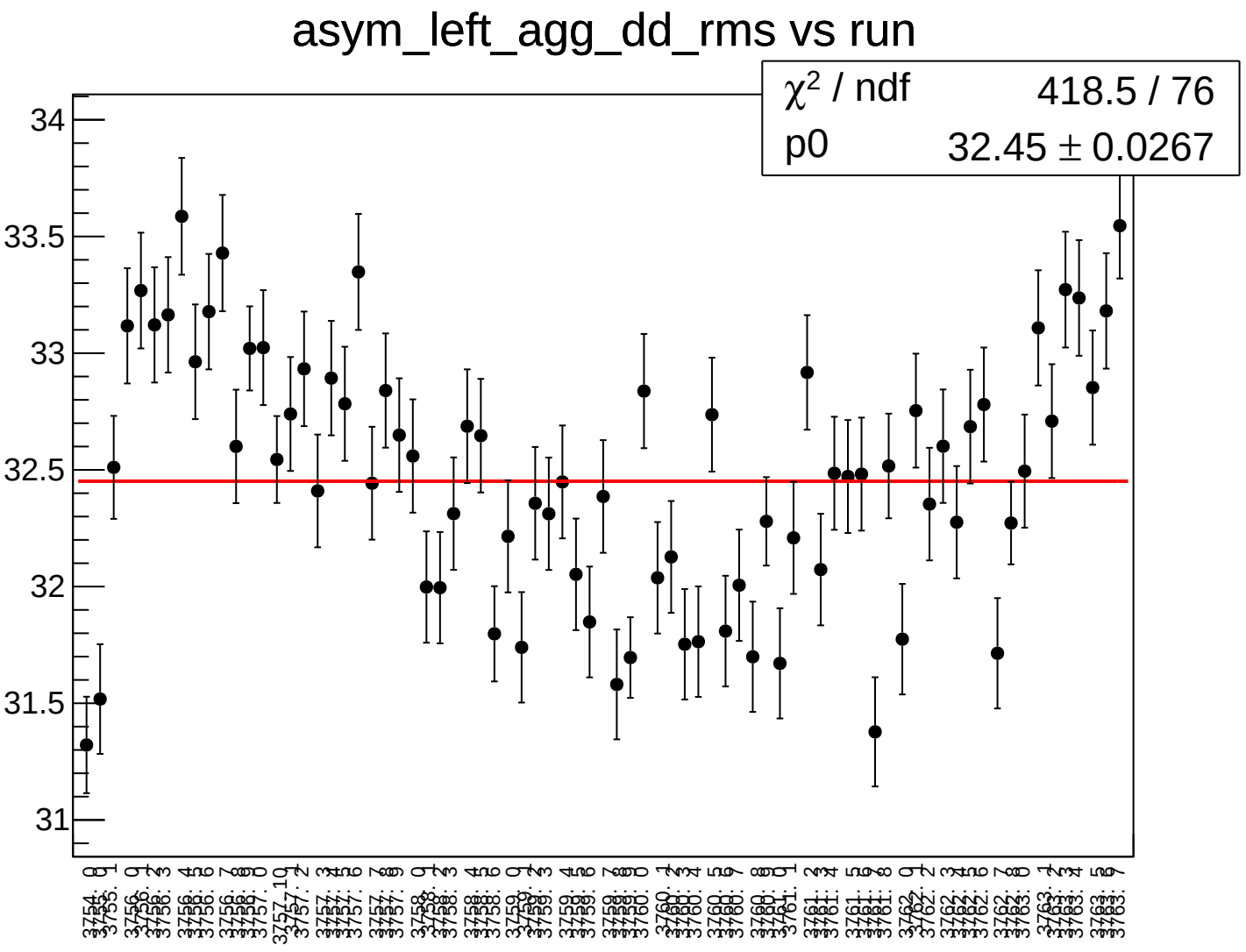

asym_left_agg_avg_mean vs run
χ² / ndf 75.95 / 76
p0 −154.1± 890.9
pull
Entries 77
Mean −118.8
Std Dev 128.4

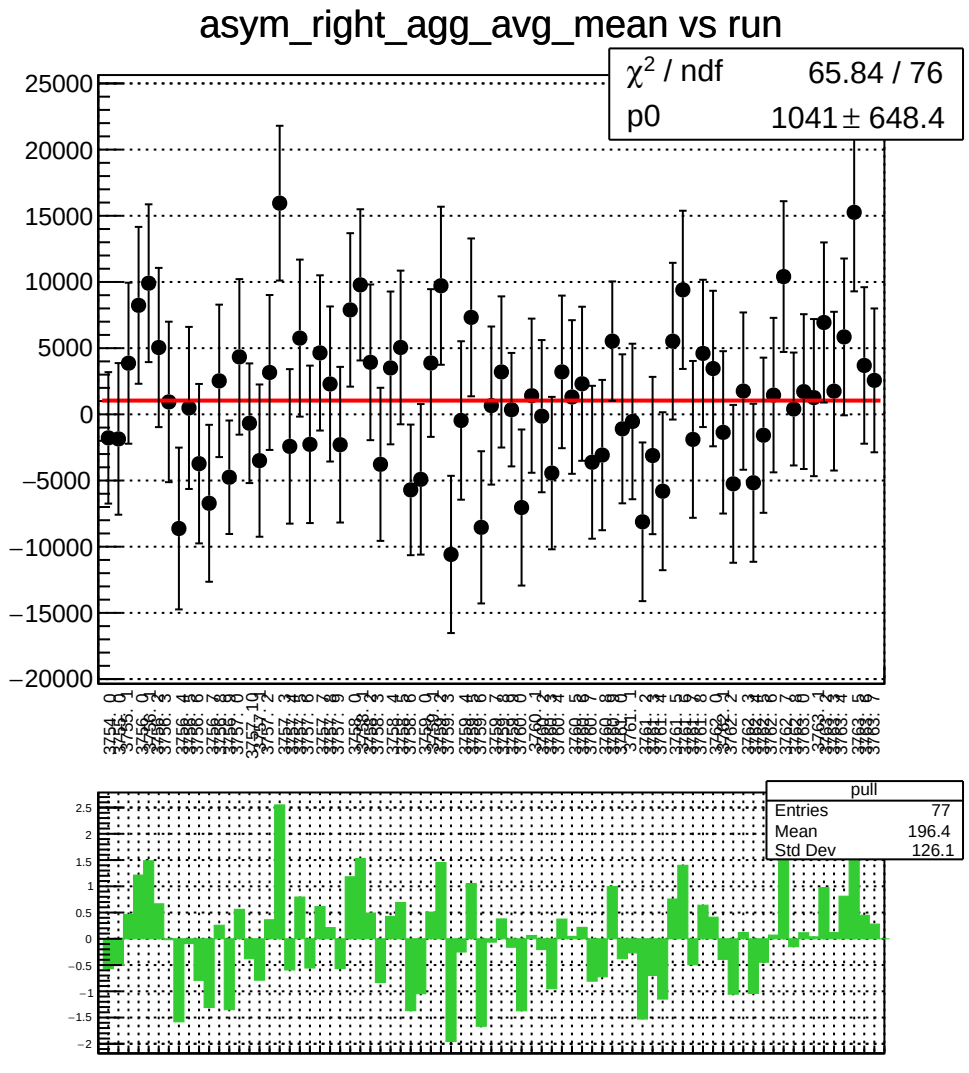

pull1D
Entries 77
Mean −0.01228
Std Dev 0.9931

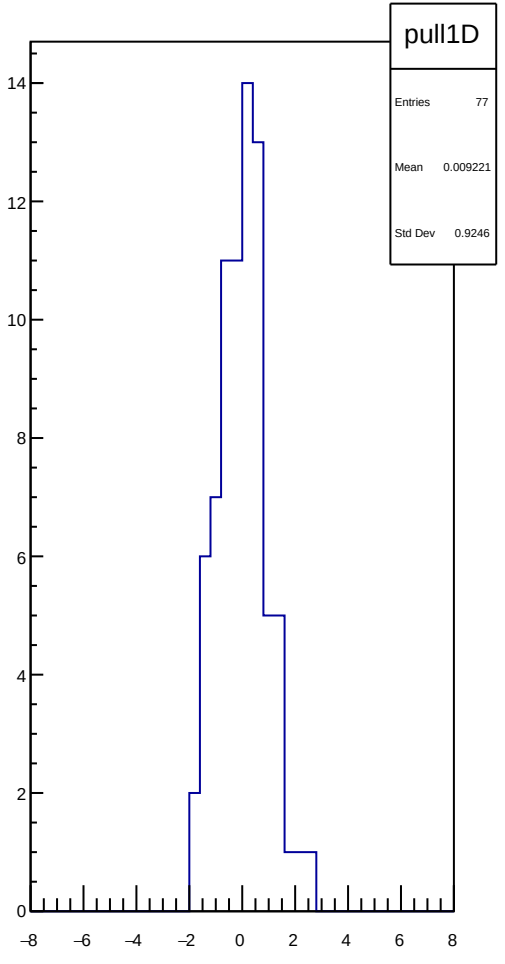

asym_left_agg_avg_rms vs run
χ² / ndf 2240 / 76
p0 765.3 ± 0.6299
840
820
800
780
760
740
720
700
680

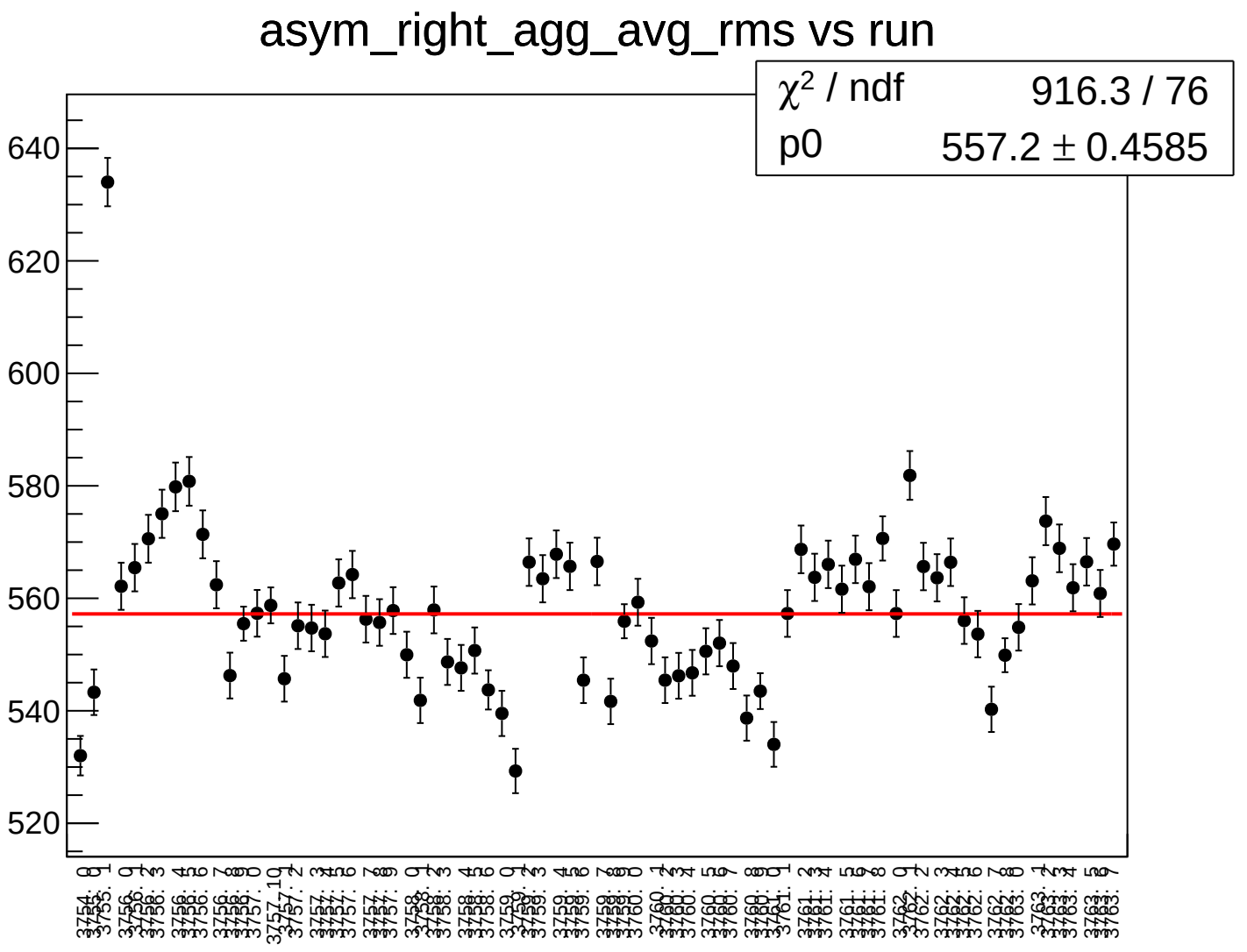

asym_left_agg_dd_mean vs run
χ^2 / ndf 103.3 / 76
p0 49.63 ± 37.75
1500
1000
500
0
−500
−1000
pull
Entries 77
Mean 113.1
Std Dev 80.97
3
2
1
0
−1
−2

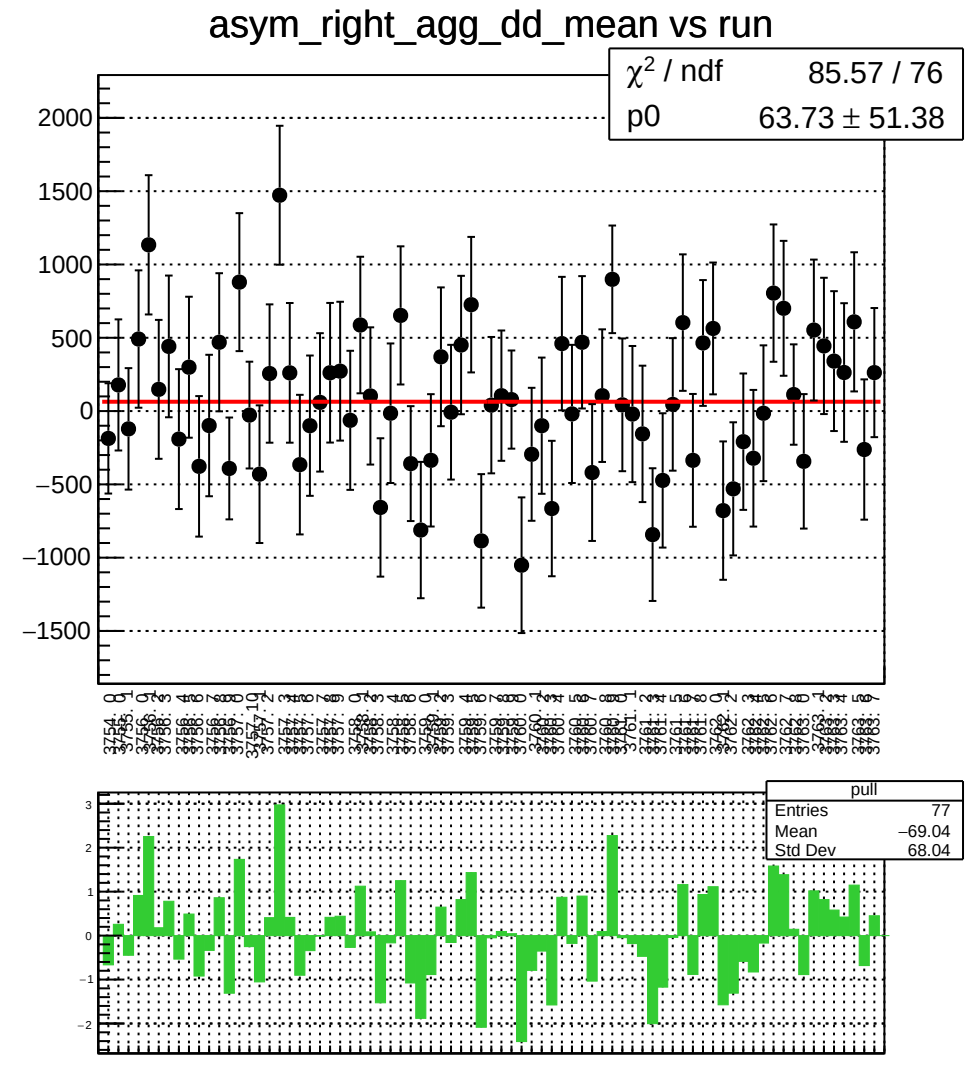

pull1D
Entries 77
Mean 0.008044
Std Dev 1.158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

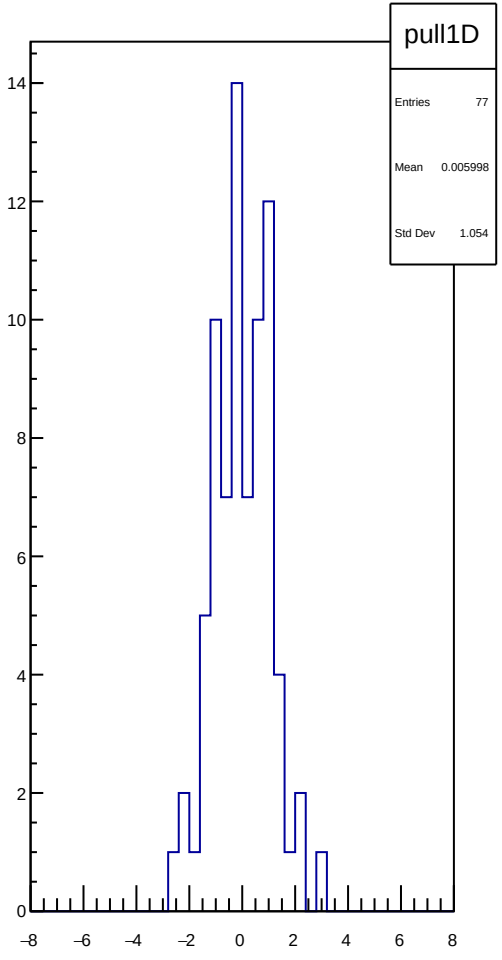

asym_left_agg_dd_rms vs run
χ² / ndf 418.5 / 76
p0 32.45 ± 0.0267
34
33.5
33
32.5
32
31.5
31

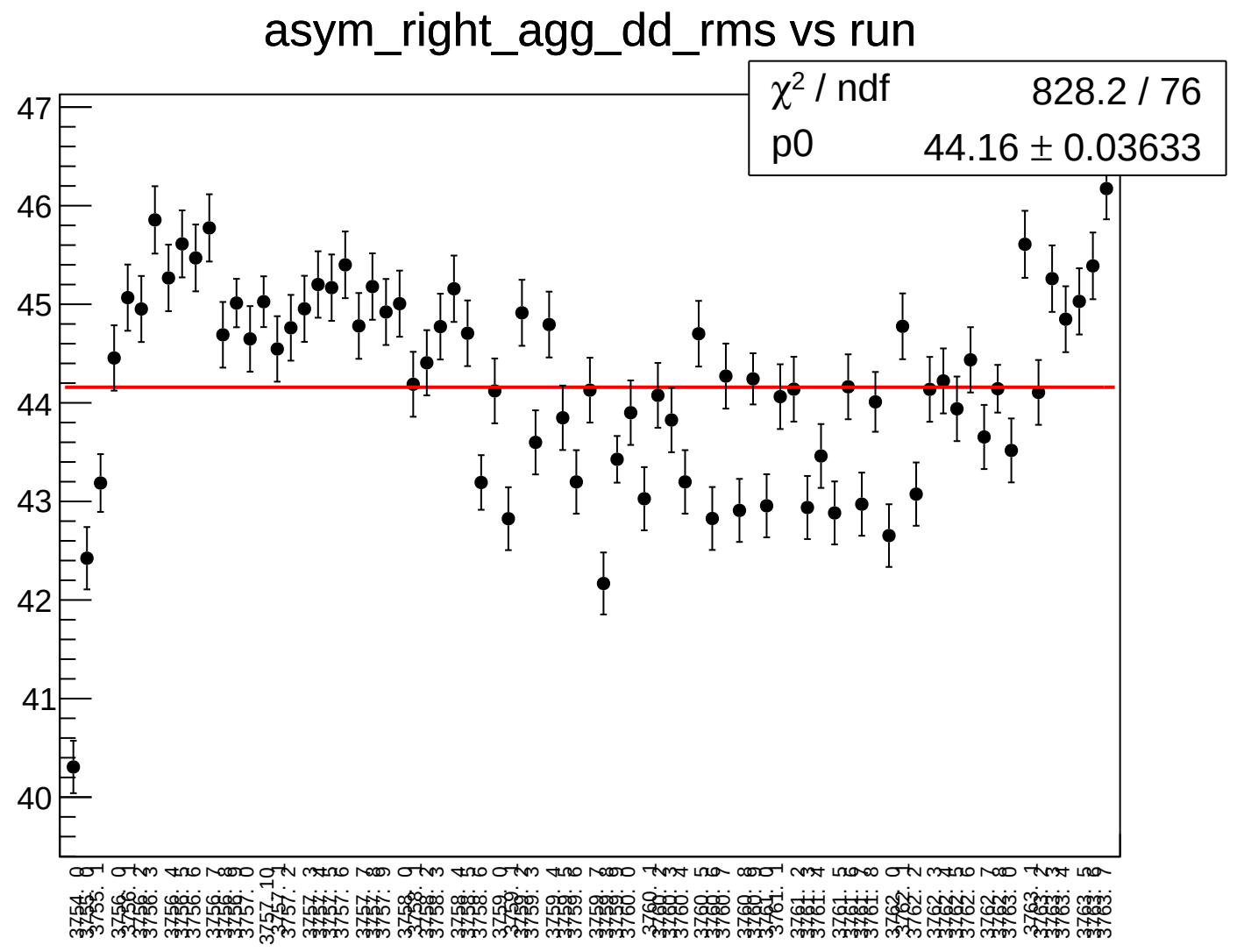

asym_right_agg_avg_mean vs run
χ² / ndf 65.84 / 76
p0 1041 ± 648.4
pull
Entries 77
Mean 196.4
Std Dev 126.1

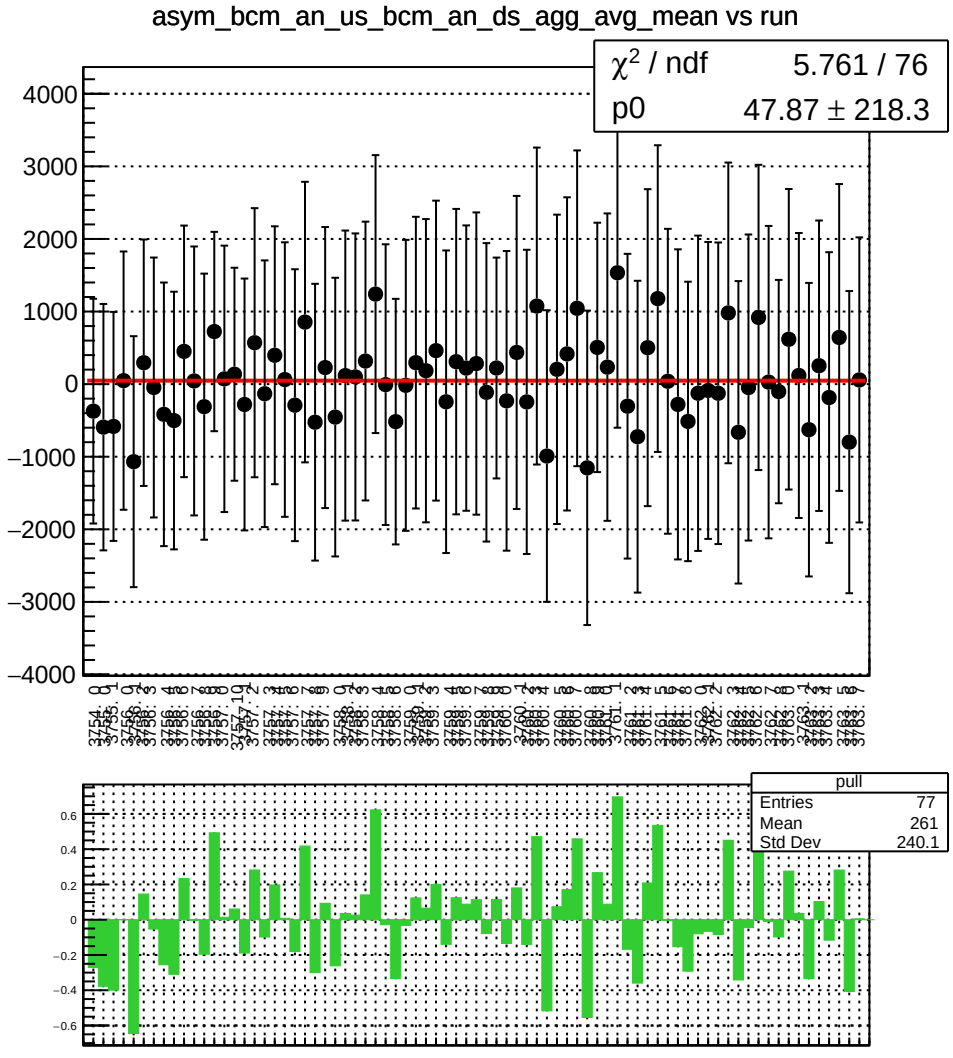

pull1D
Entries 77
Mean 0.009221
Std Dev 0.9246

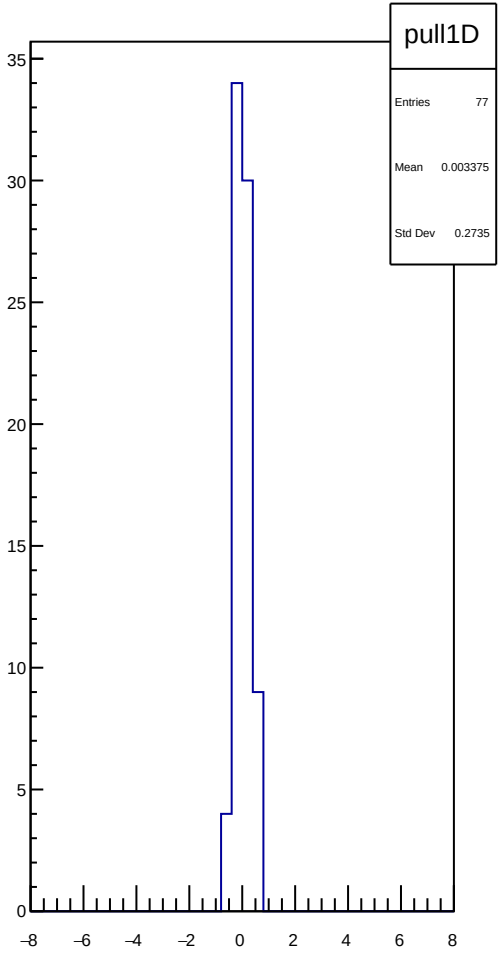

asym_right_agg_avg_rms vs run
χ^2 / ndf 916.3 / 76
p0 557.2 ± 0.4585
640
620
600
580
560
540
520

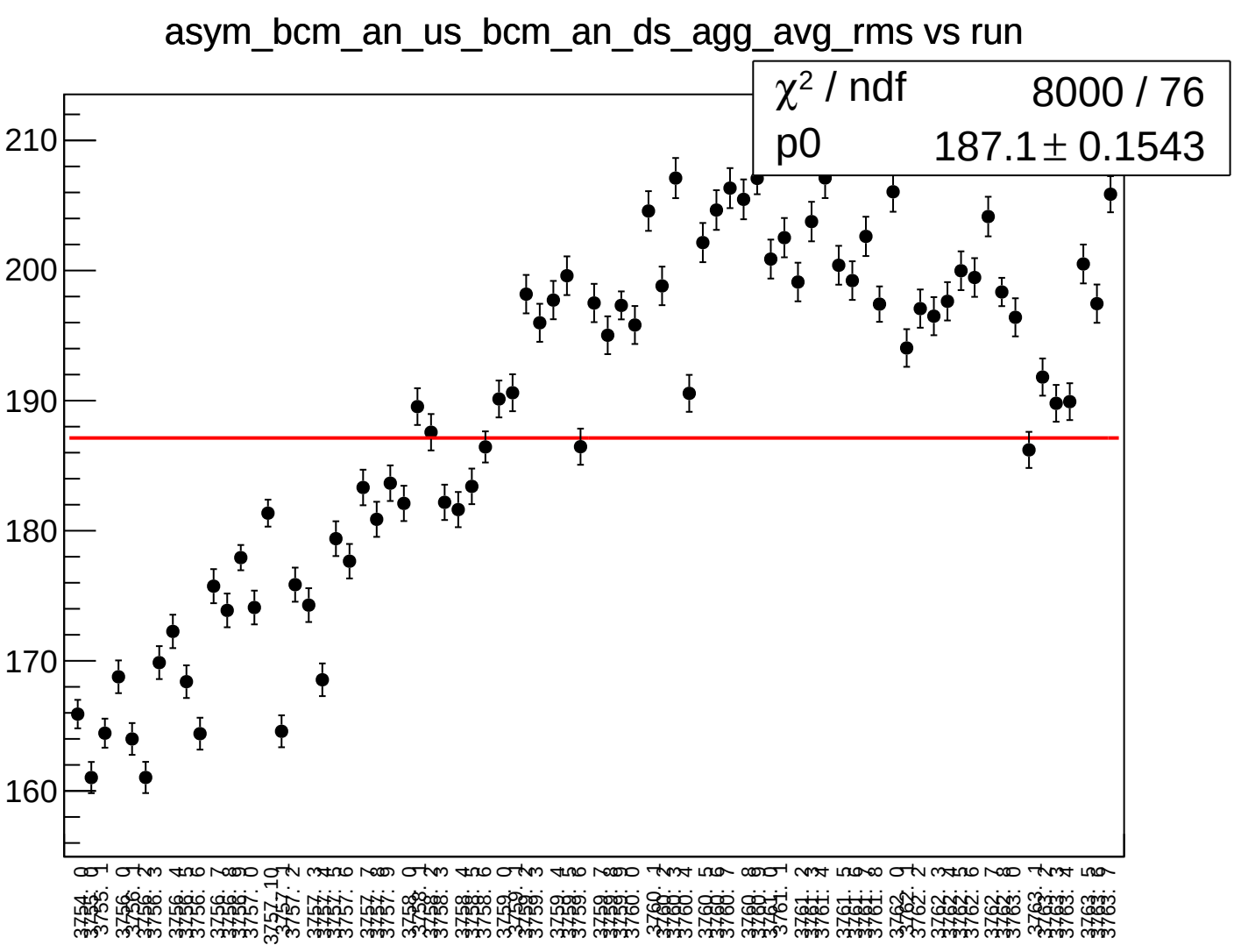

asym_right_agg_dd_mean vs run
χ² / ndf 85.57 / 76
p0 63.73 ± 51.38
pull
Entries 77
Mean −69.04
Std Dev 68.04

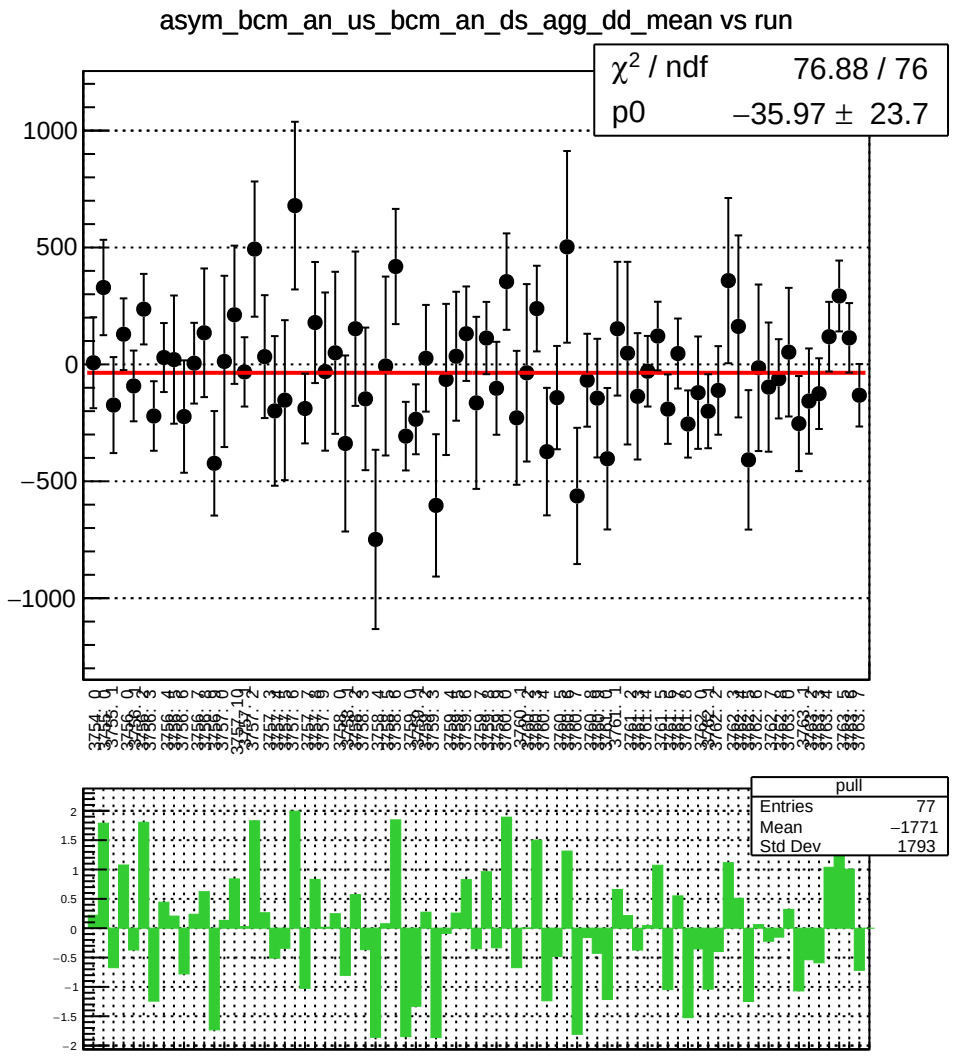

pull1D
Entries 77
Mean 0.005998
Std Dev 1.054

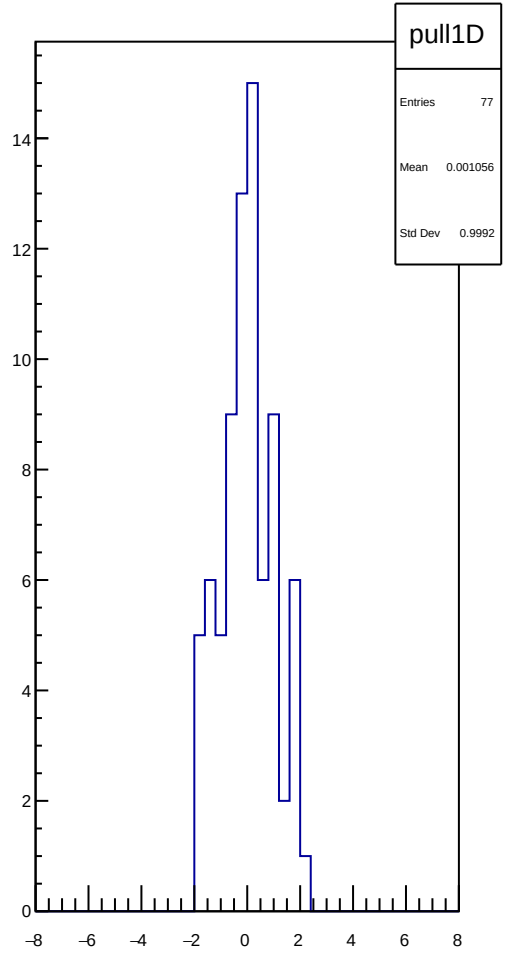

asym_right_agg_dd_rms vs run
χ^2 / ndf 828.2 / 76
p0 44.16 ± 0.03633
47
46
45
44
43
42
41
40

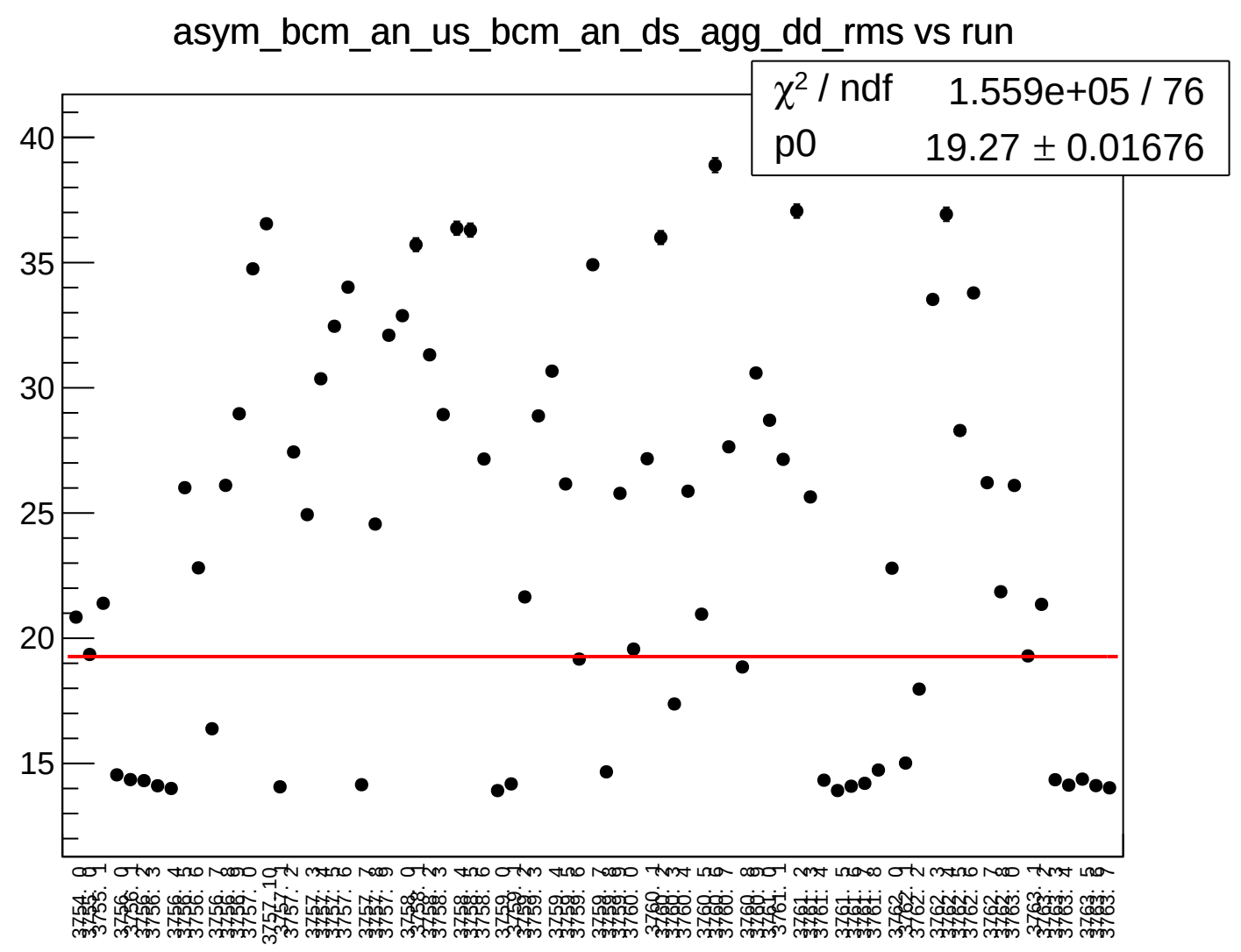

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 5.761 / 76
p0 47.87 ± 218.3
pull
Entries 77
Mean 261
Std Dev 240.1

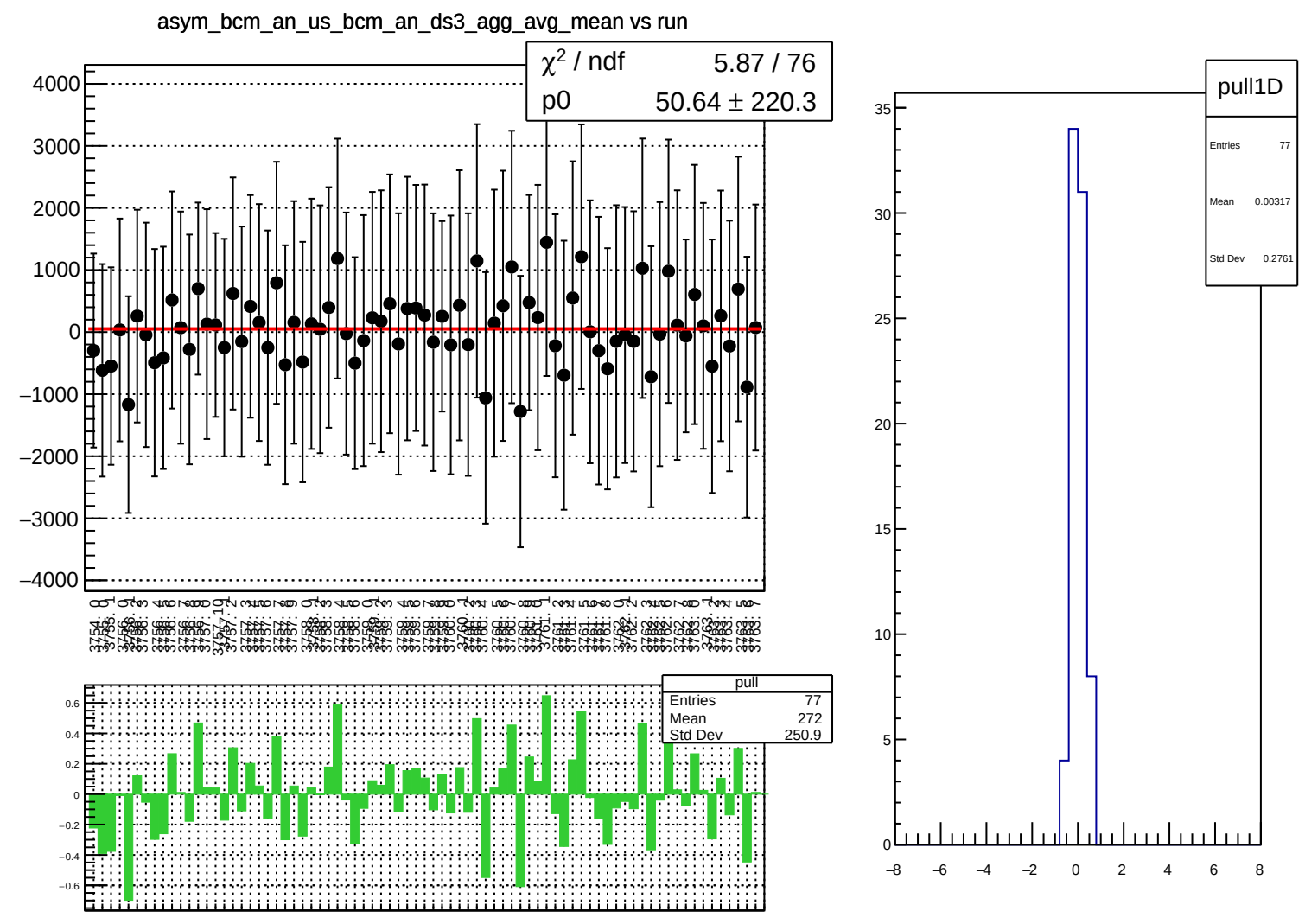

pull1D
Entries 77
Mean 0.003375
Std Dev 0.2735

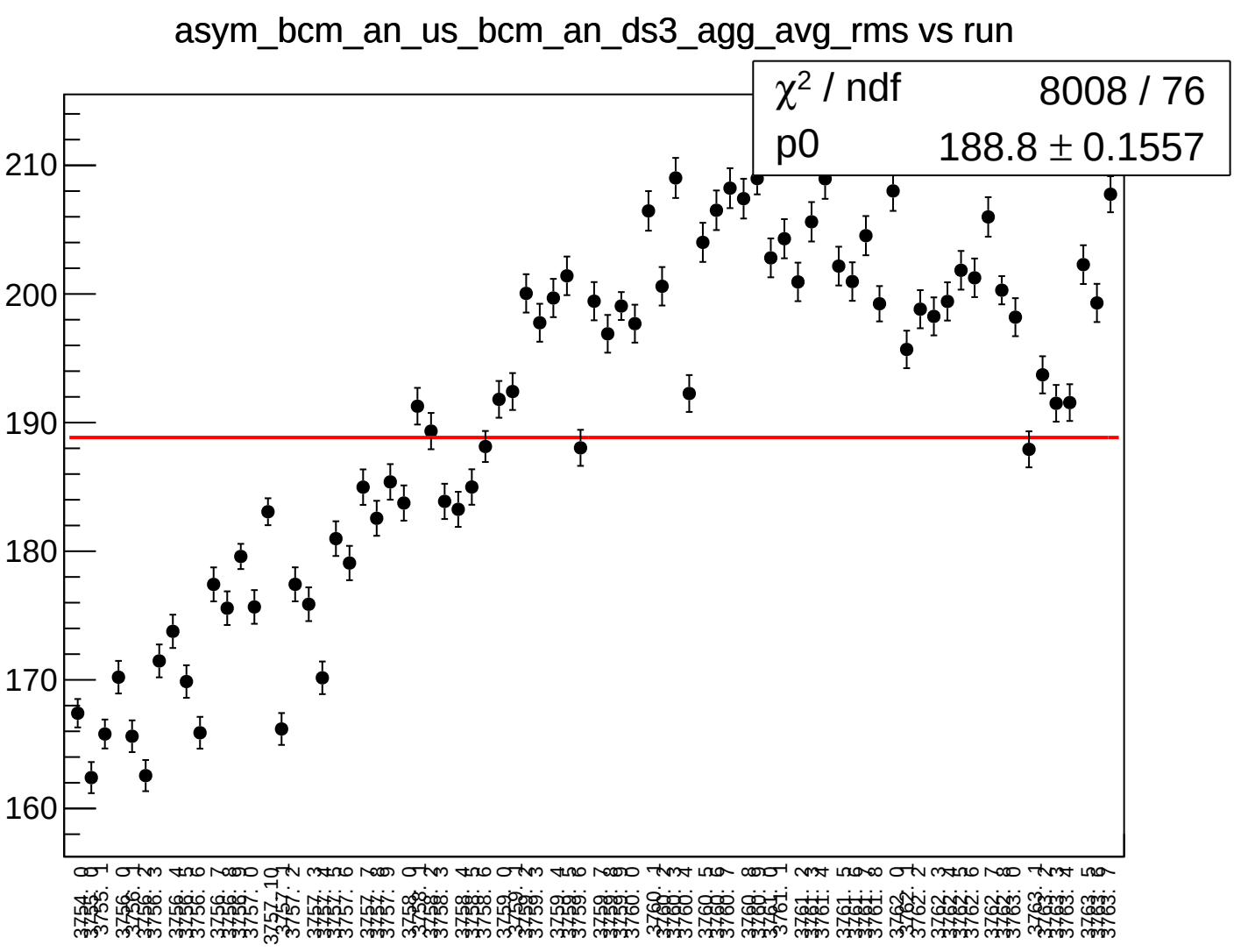

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 8000 / 76
p0 187.1 ± 0.1543
210
200
190
180
170
160

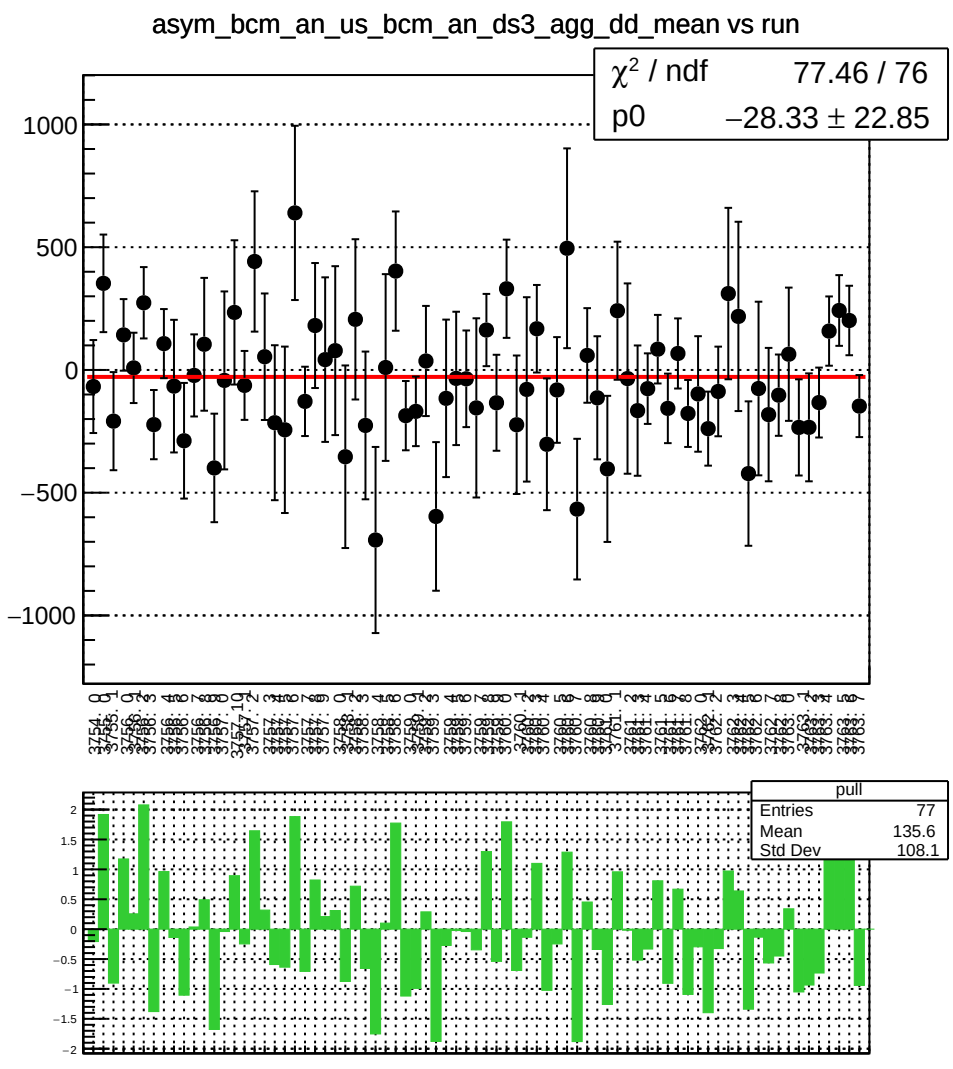

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 76.88 / 76
p0 −35.97 ± 23.7
1000
500
0
−500
−1000
pull
Entries 77
Mean −1771
Std Dev 1793
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

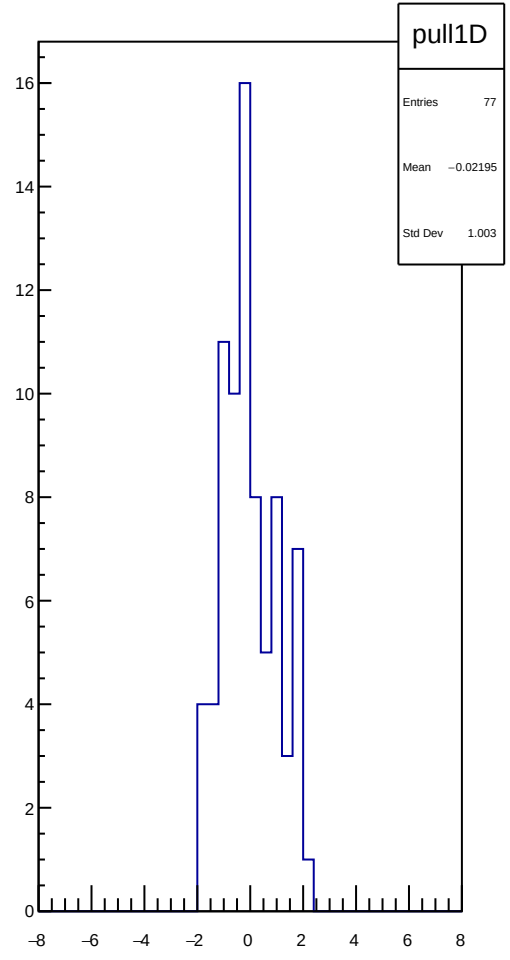

pull1D
Entries 77
Mean 0.001056
Std Dev 0.9992
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

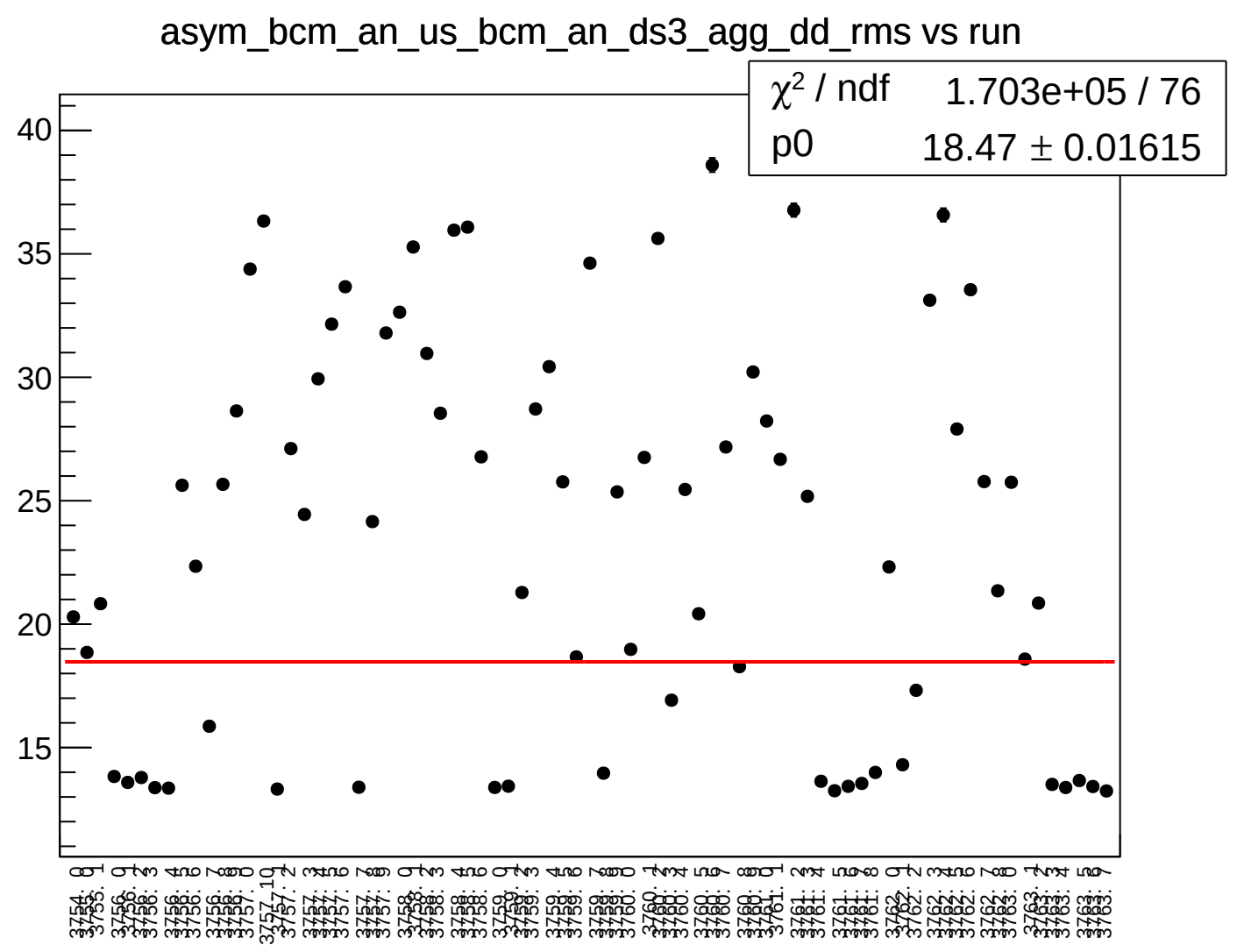

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.559e+05 / 76
p0 19.27 ± 0.01676
40
35
30
25
20
15

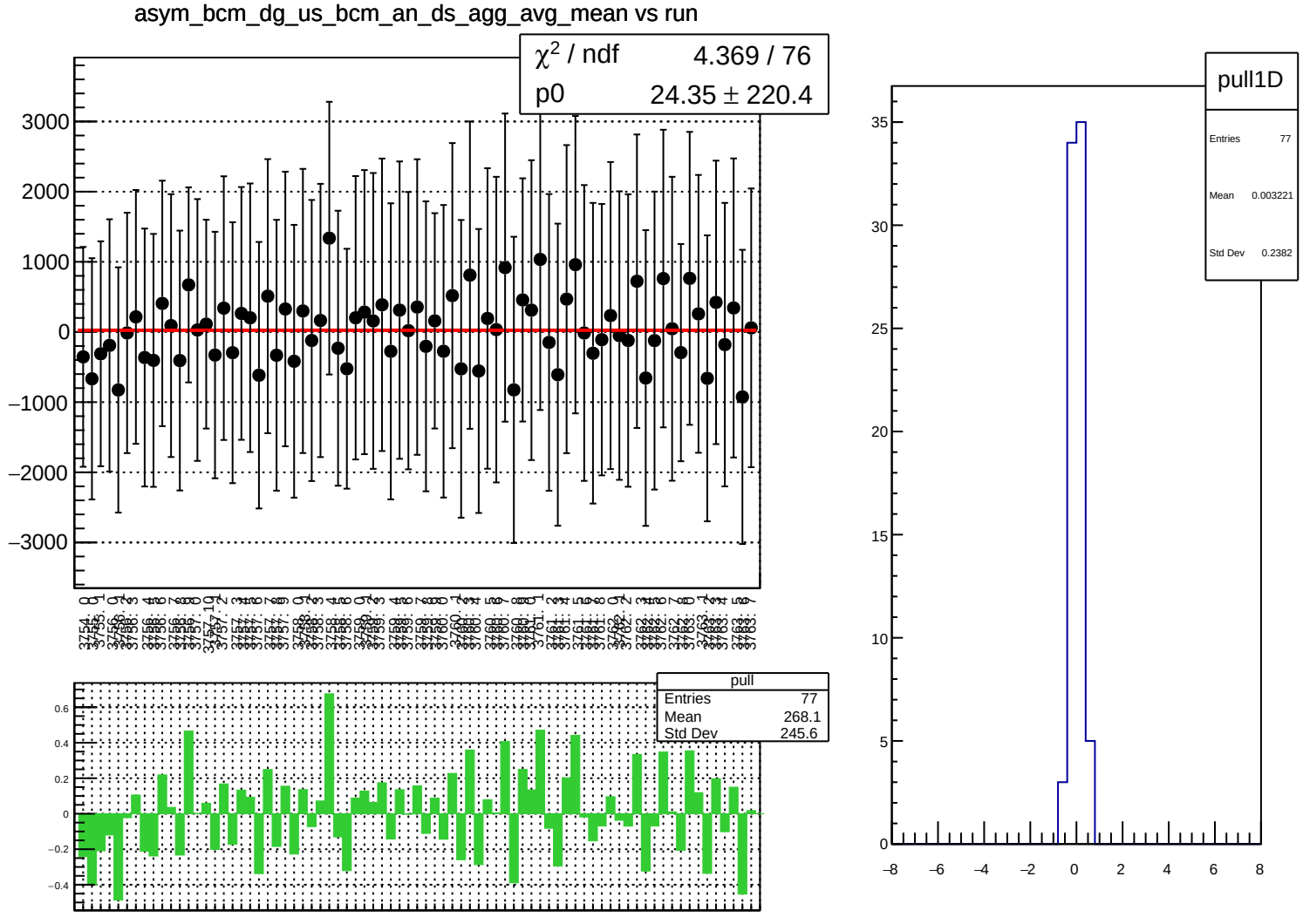

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 5.87 / 76
p0 50.64 ± 220.3
pull
Entries 77
Mean 272
Std Dev 250.9
pull1D
Entries 77
Mean 0.00317
Std Dev 0.2761

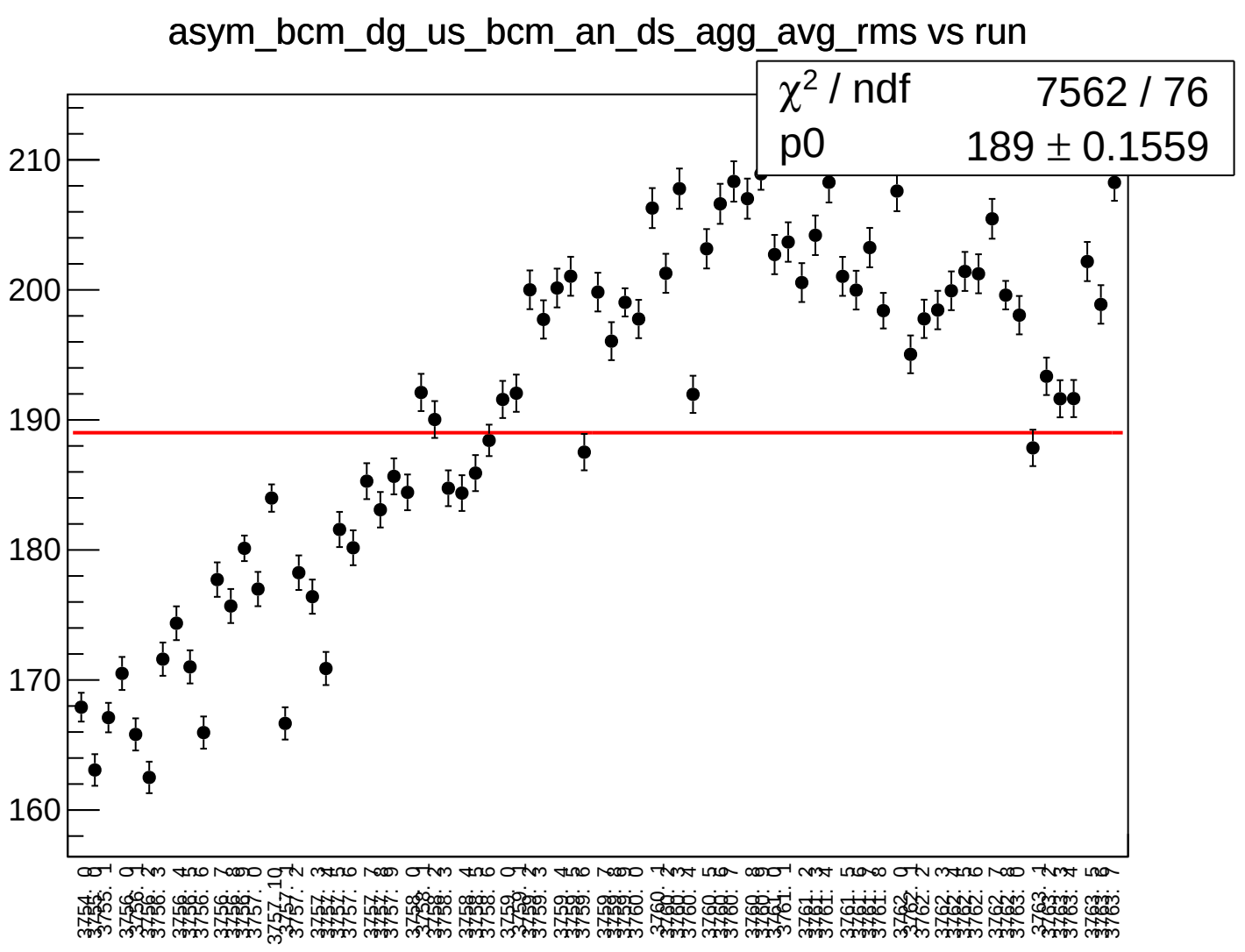

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 8008 / 76
p0 188.8 ± 0.1557
210
200
190
180
170
160

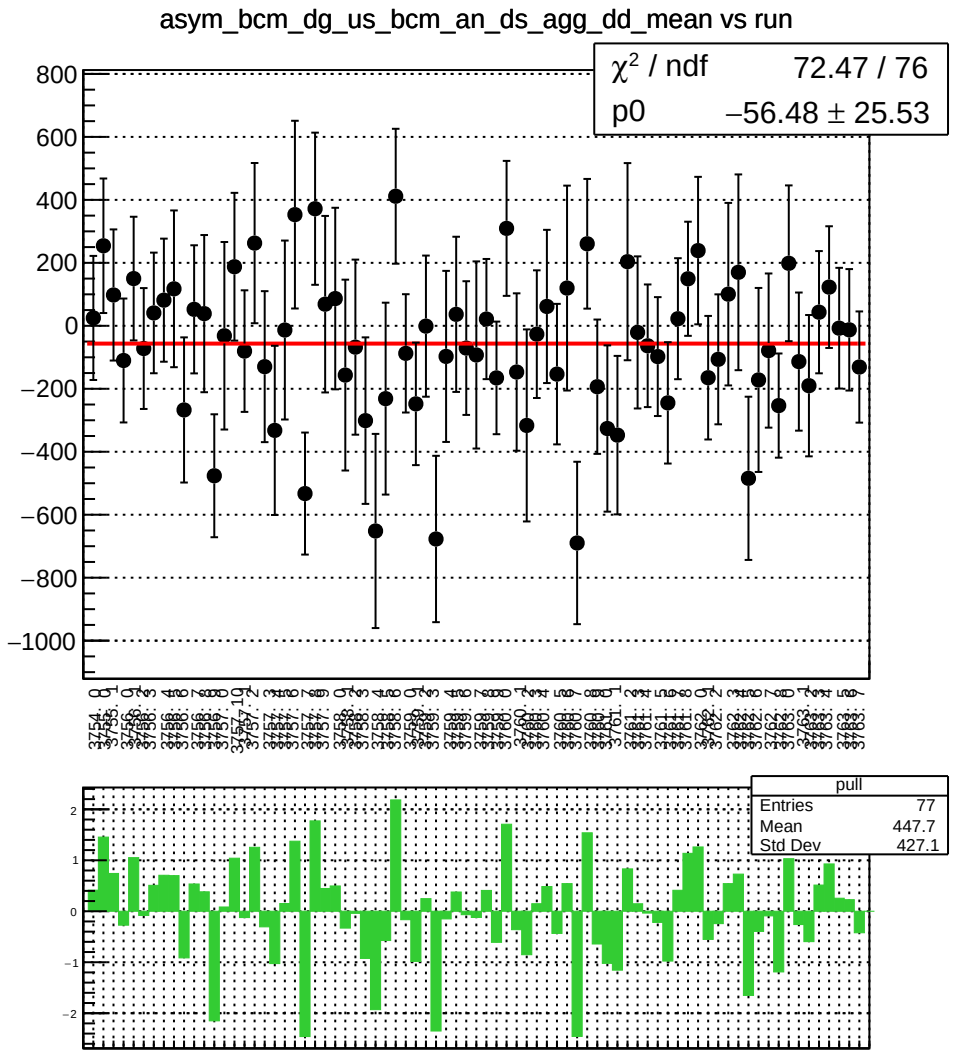

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 77.46 / 76
p0 −28.33 ± 22.85
pull
Entries 77
Mean 135.6
Std Dev 108.1

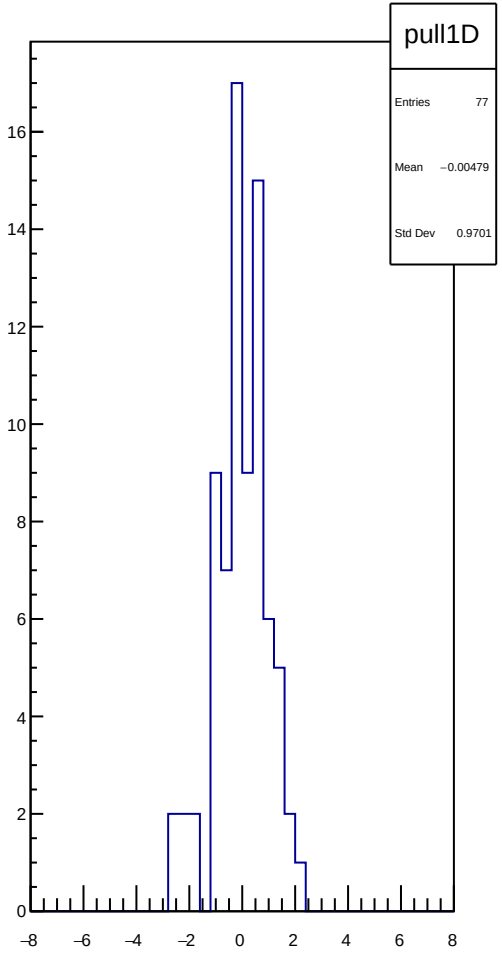

pull1D
Entries 77
Mean −0.02195
Std Dev 1.003

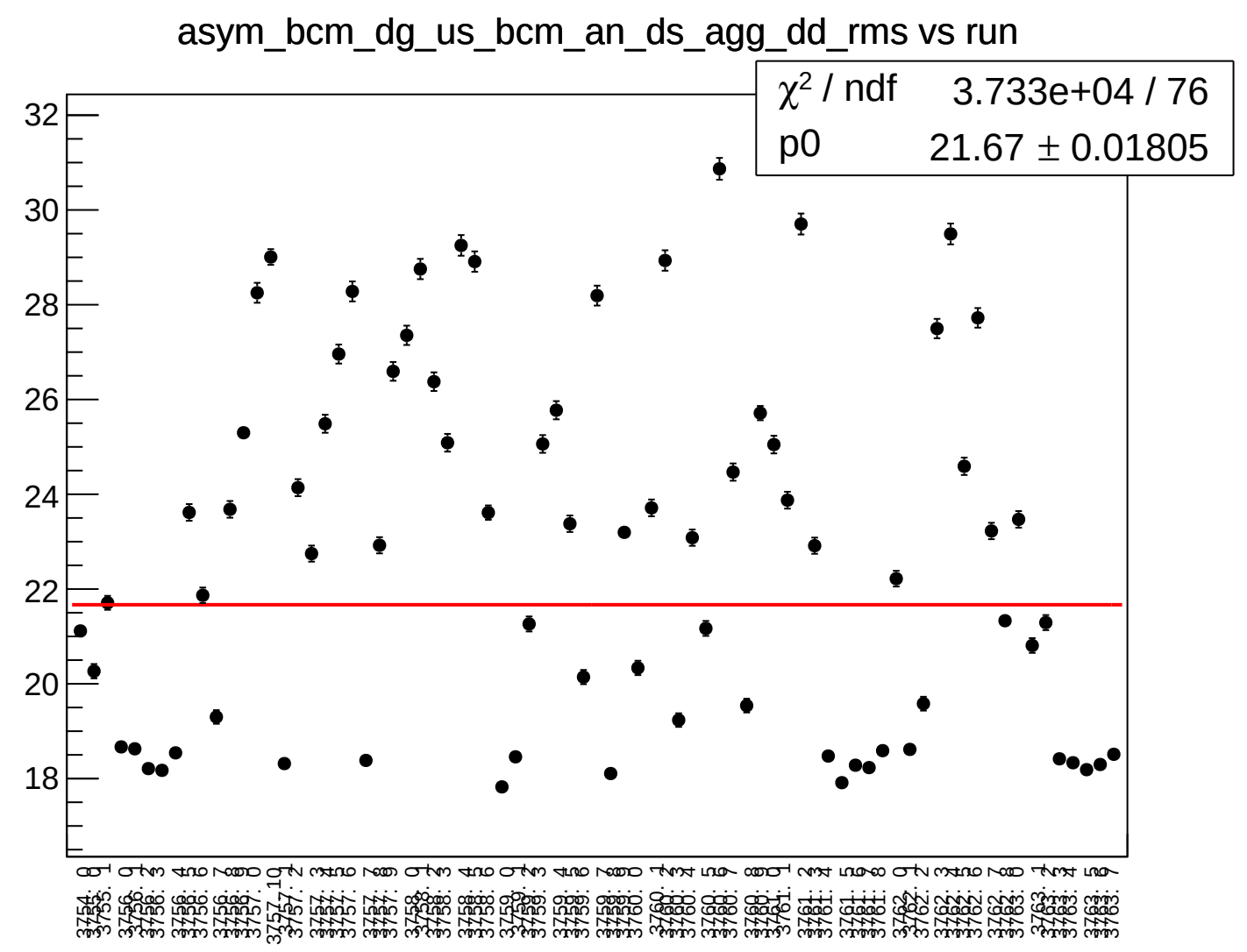

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.703e+05 / 76
p0 18.47 ± 0.01615
40
35
30
25
20
15

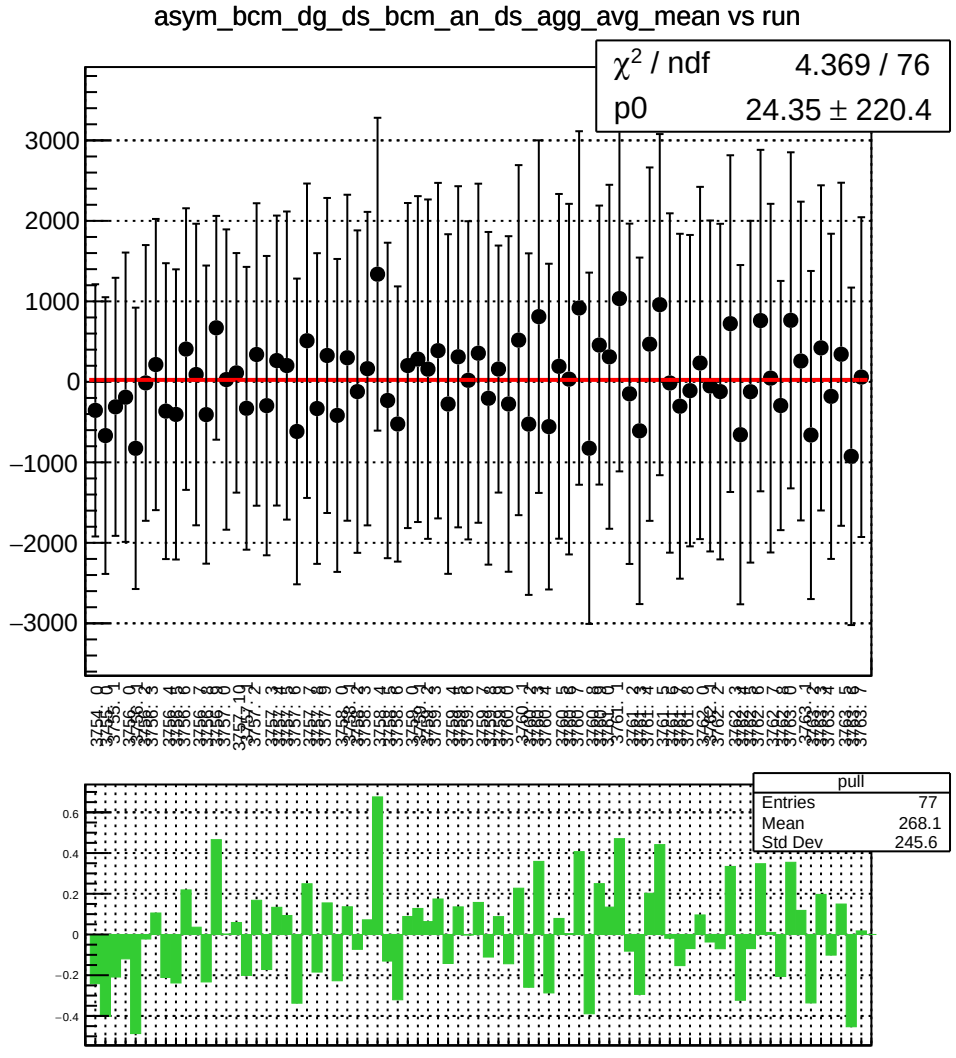

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.369 / 76
p0 24.35 ± 220.4
pull
Entries 77
Mean 268.1
Std Dev 245.6
pull1D
Entries 77
Mean 0.003221
Std Dev 0.2382

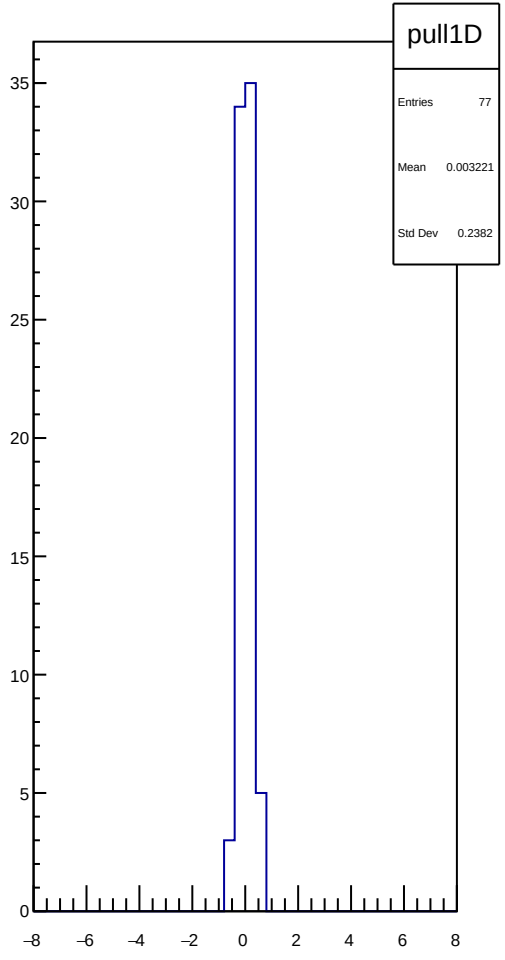

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 7562 / 76
p0 189 ± 0.1559
210
200
190
180
170
160

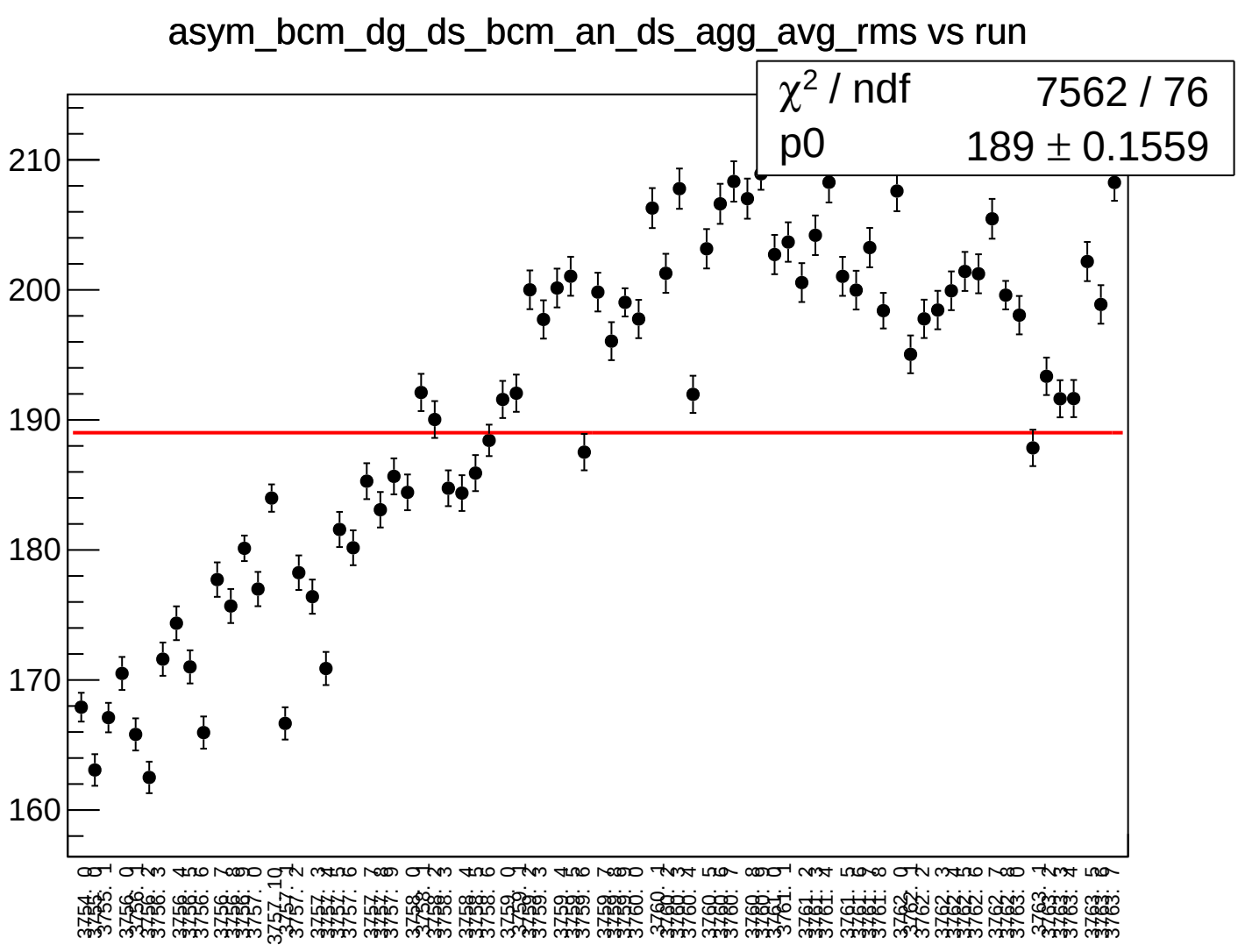

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 72.47 / 76
p0 −56.48 ± 25.53
pull
Entries 77
Mean 447.7
Std Dev 427.1

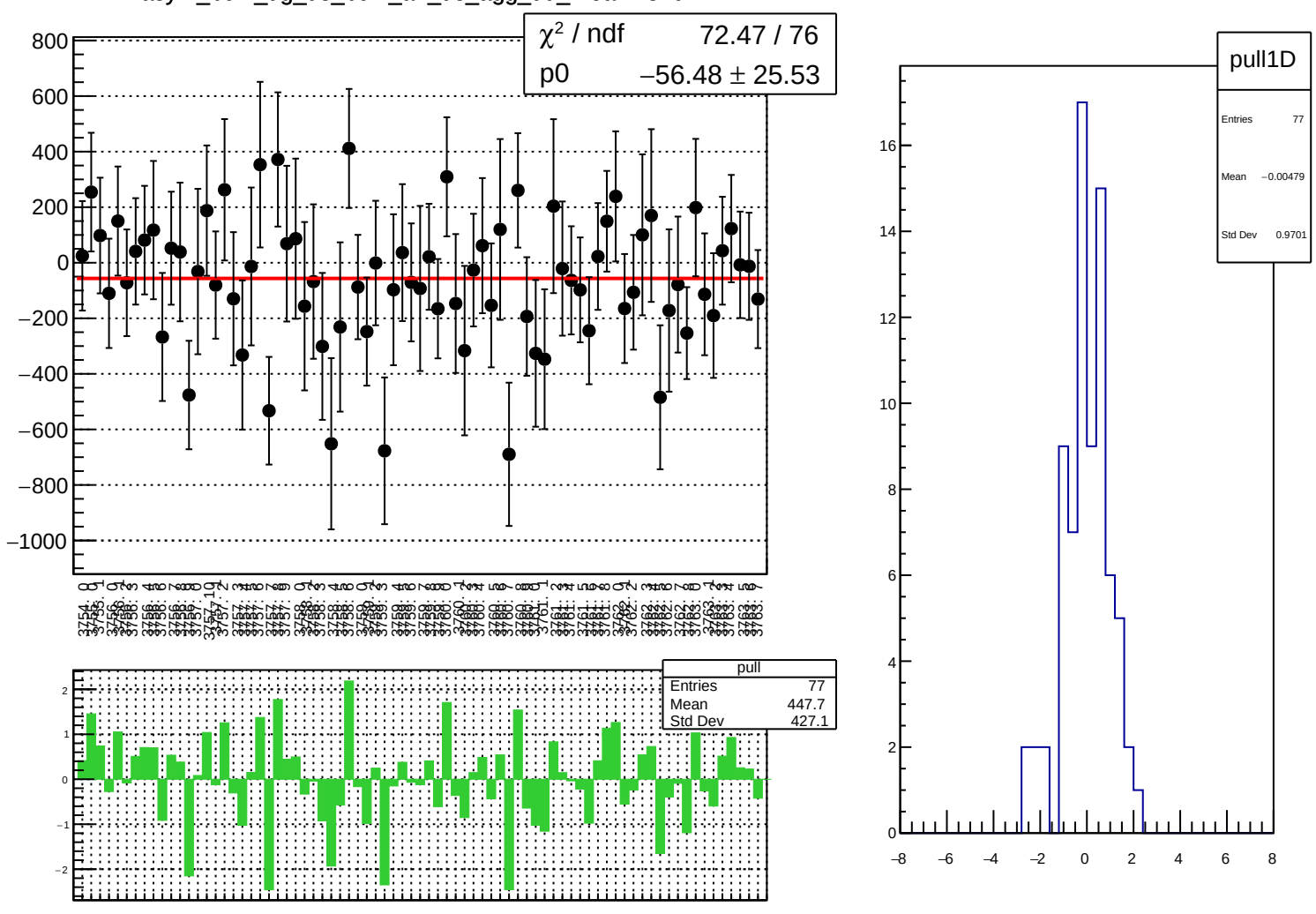

pull1D
Entries 77
Mean −0.00479
Std Dev 0.9701

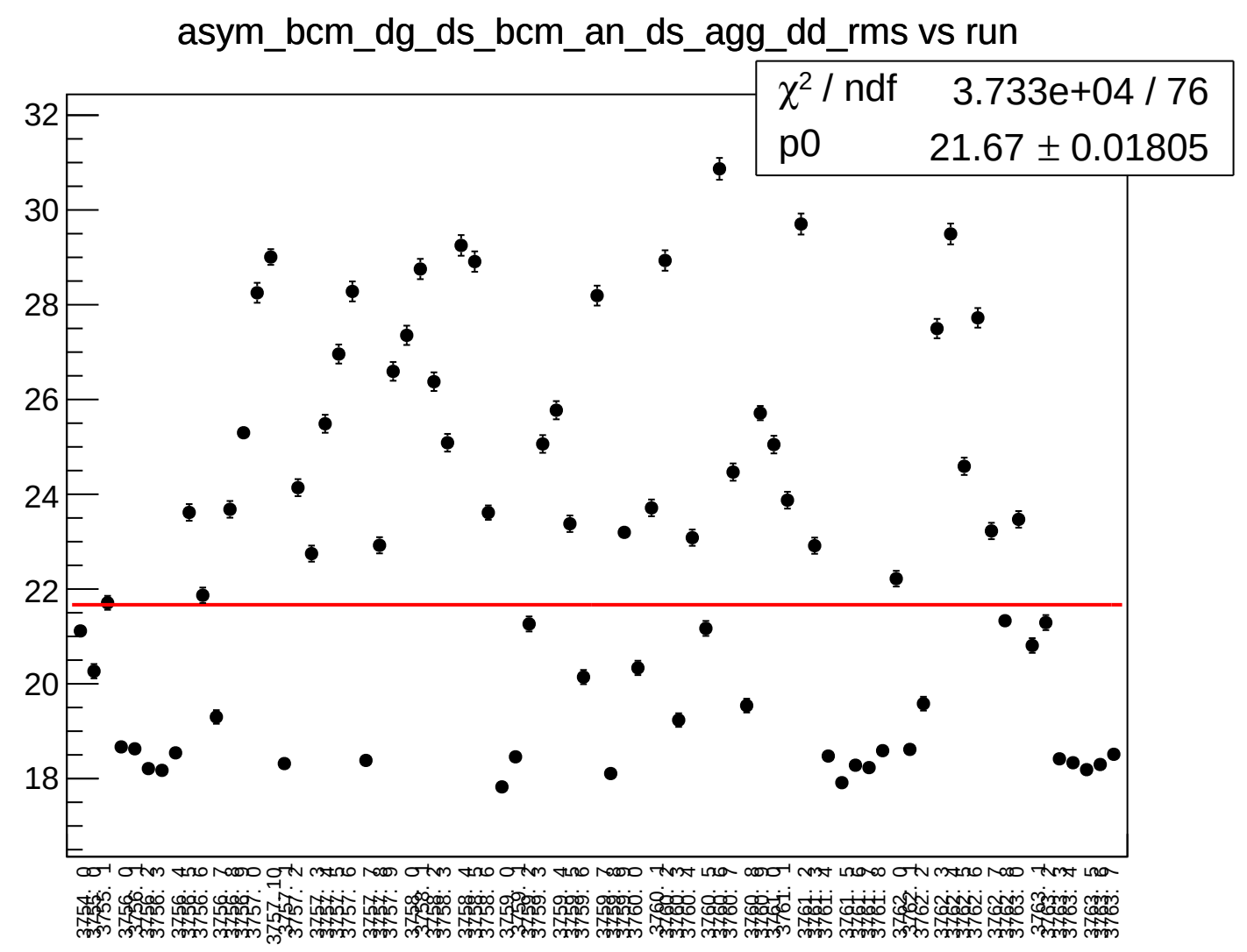

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3.733e+04 / 76
p0 21.67 ± 0.01805
32
30
28
26
24
22
20
18

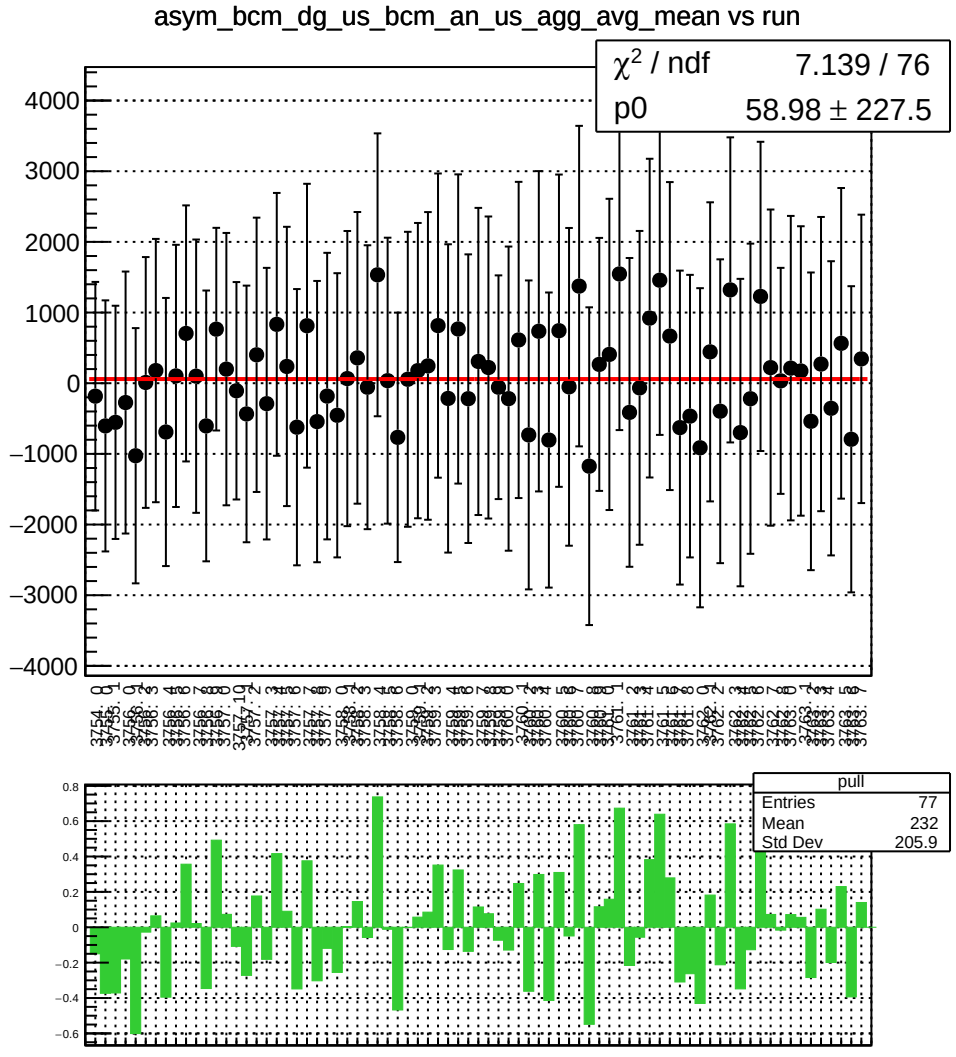

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.369 / 76
p0 24.35 ± 220.4
pull
Entries 77
Mean 268.1
Std Dev 245.6

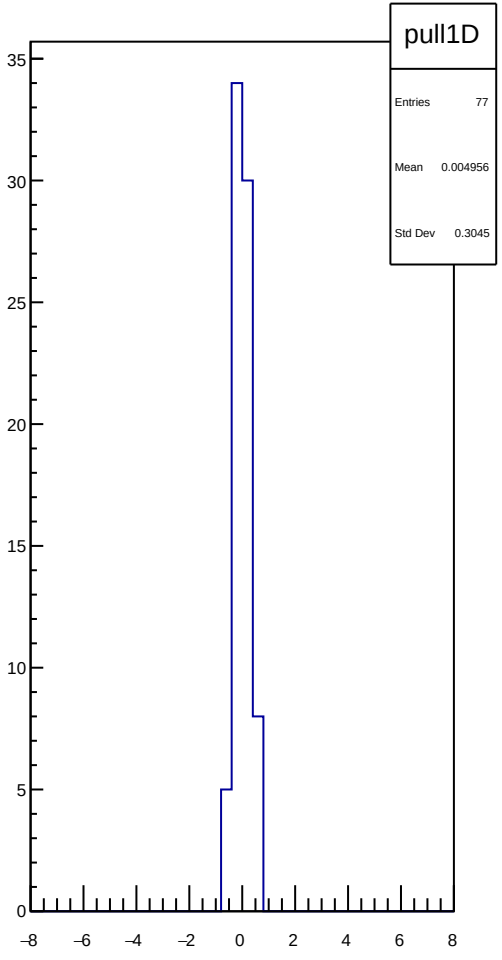

pull1D
Entries 77
Mean 0.003221
Std Dev 0.2382

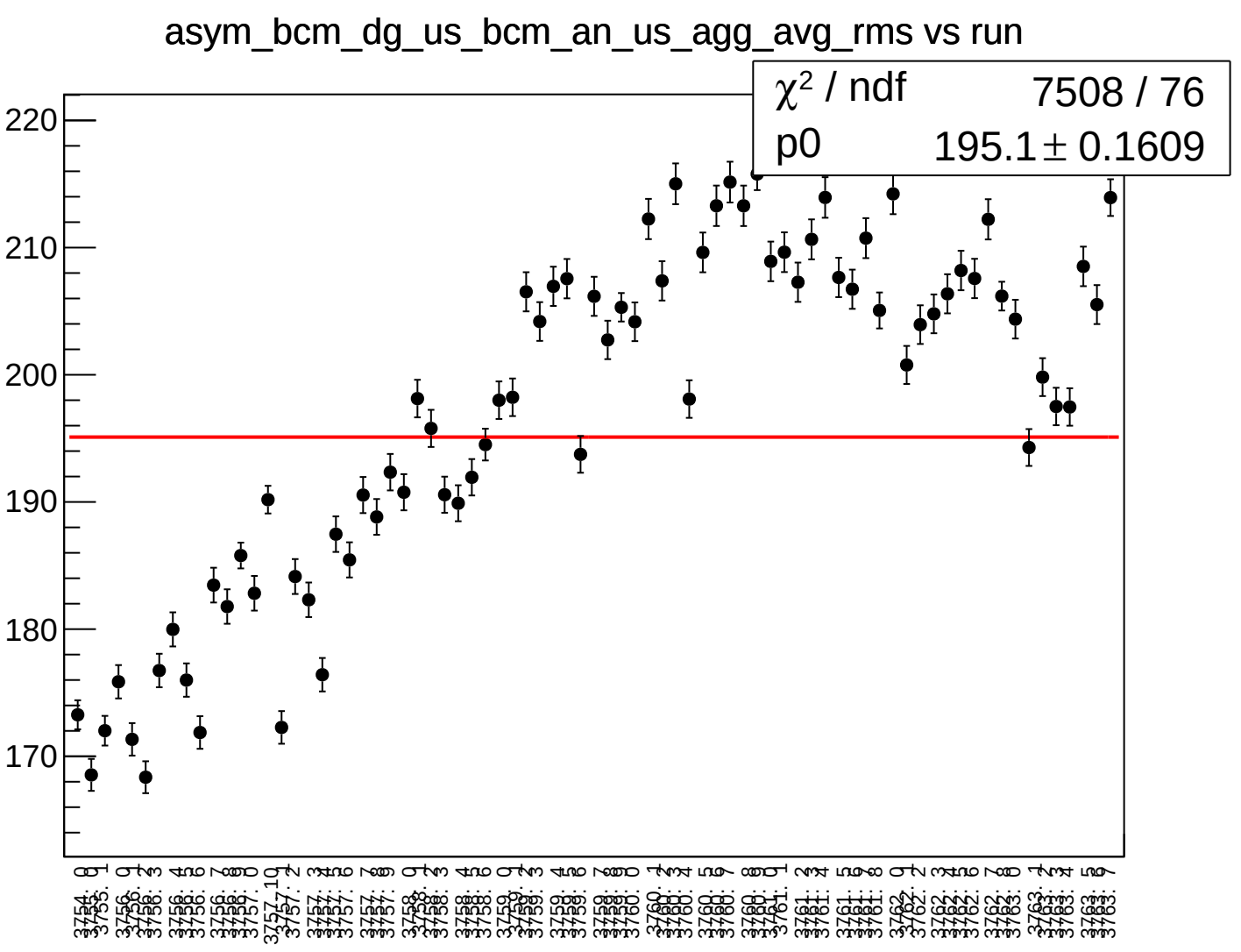

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 7562 / 76
p0 189 ± 0.1559
210
200
190
180
170
160

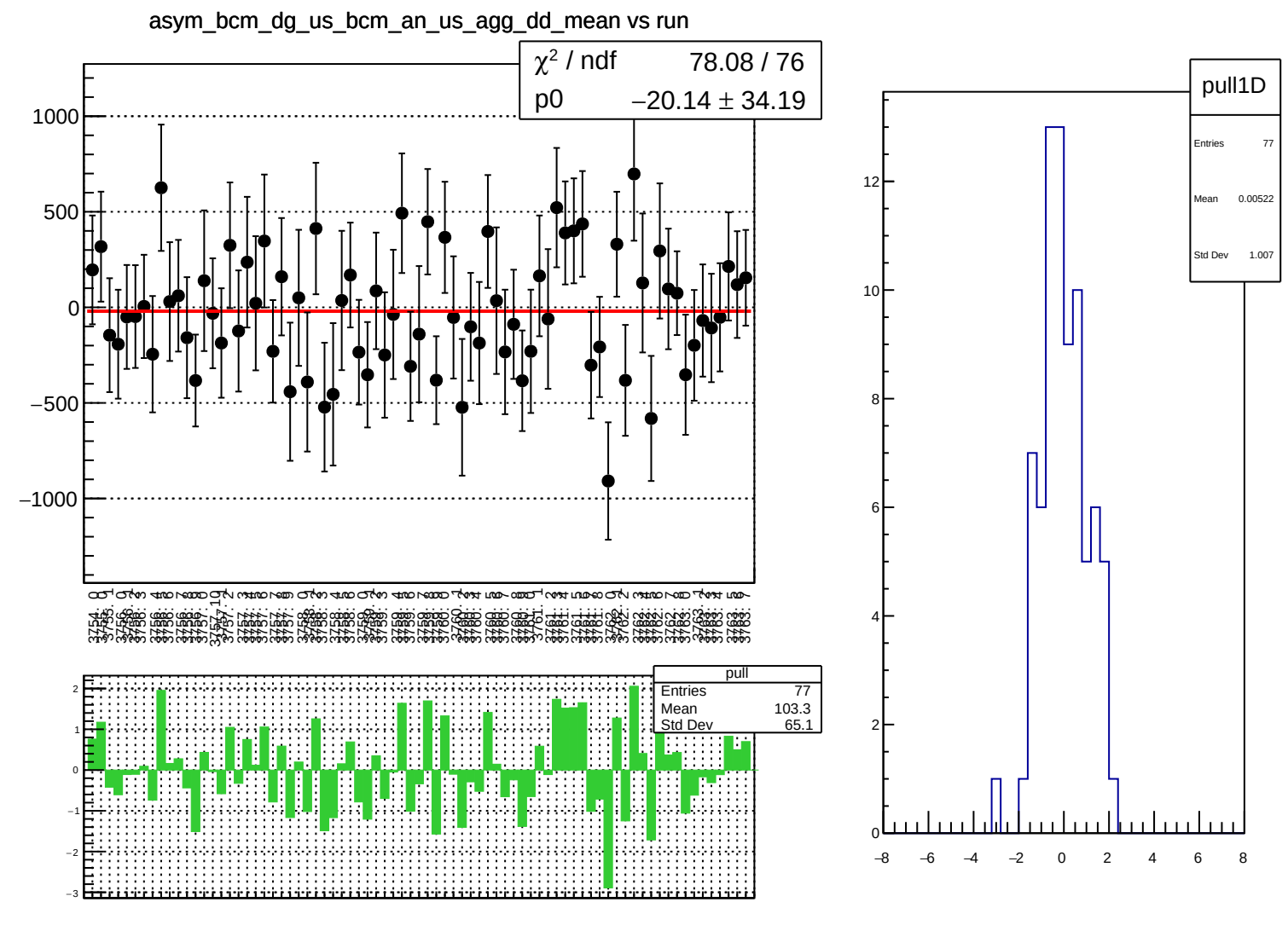

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 72.47 / 76
p0 −56.48 ± 25.53
pull
Entries 77
Mean 447.7
Std Dev 427.1
pull1D
Entries 77
Mean −0.00479
Std Dev 0.9701

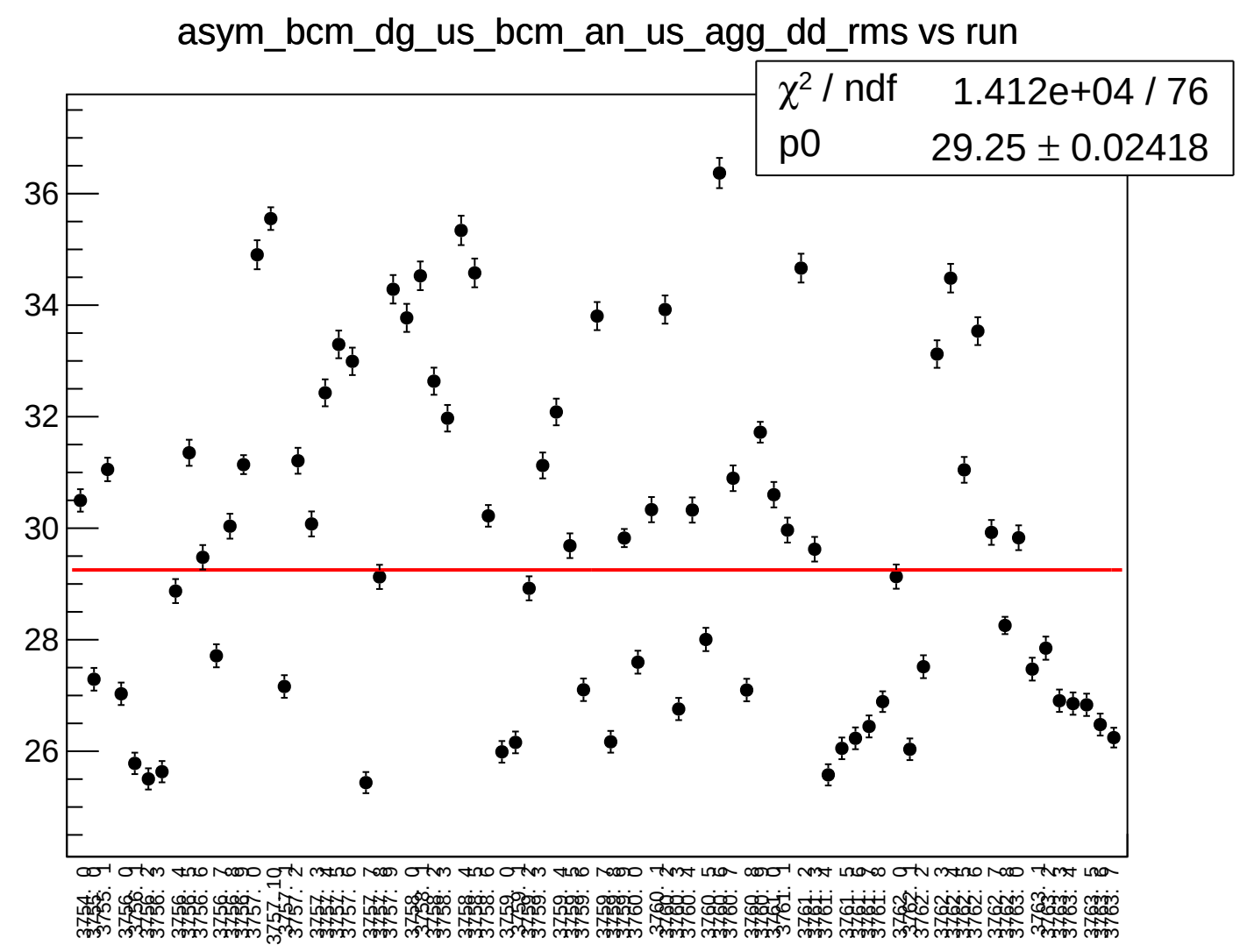

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3.733e+04 / 76
p0 21.67 ± 0.01805
32
30
28
26
24
22
20
18

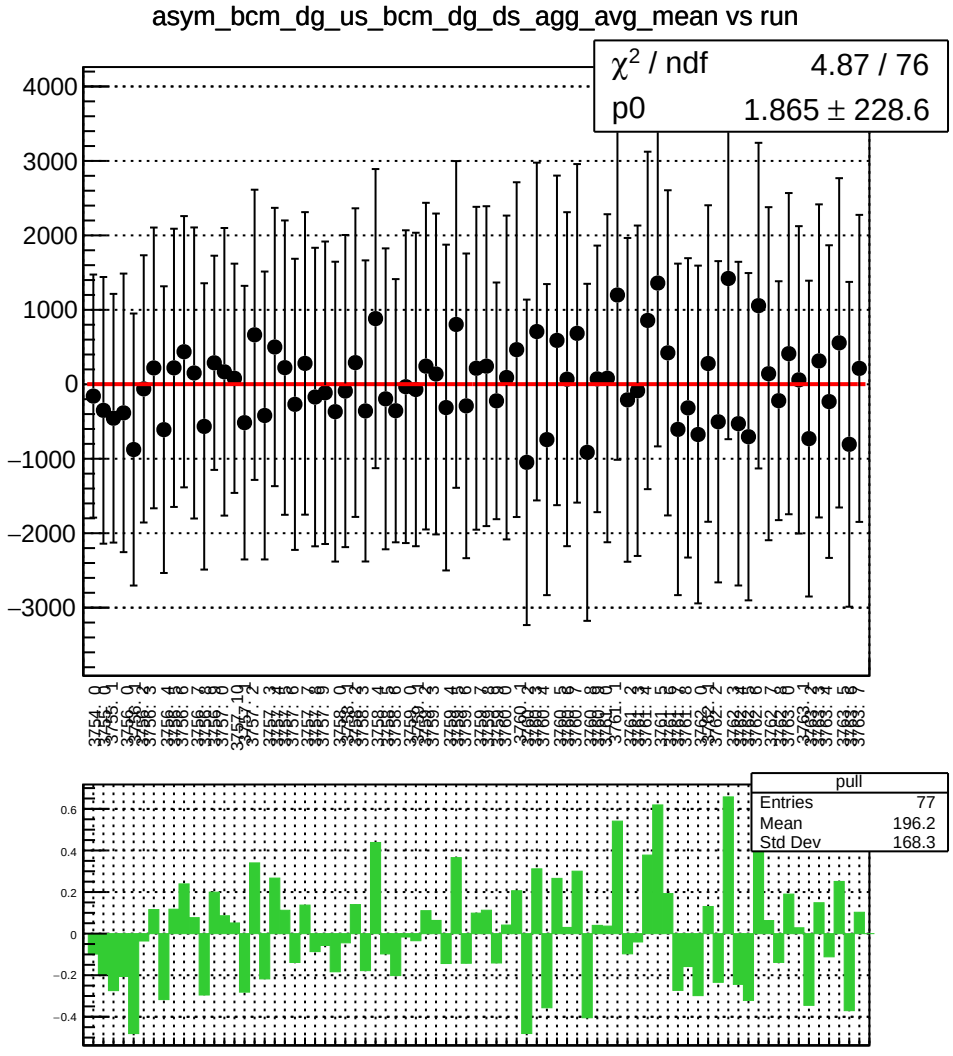

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 7.139 / 76
p0 58.98 ± 227.5
pull
Entries 77
Mean 232
Std Dev 205.9

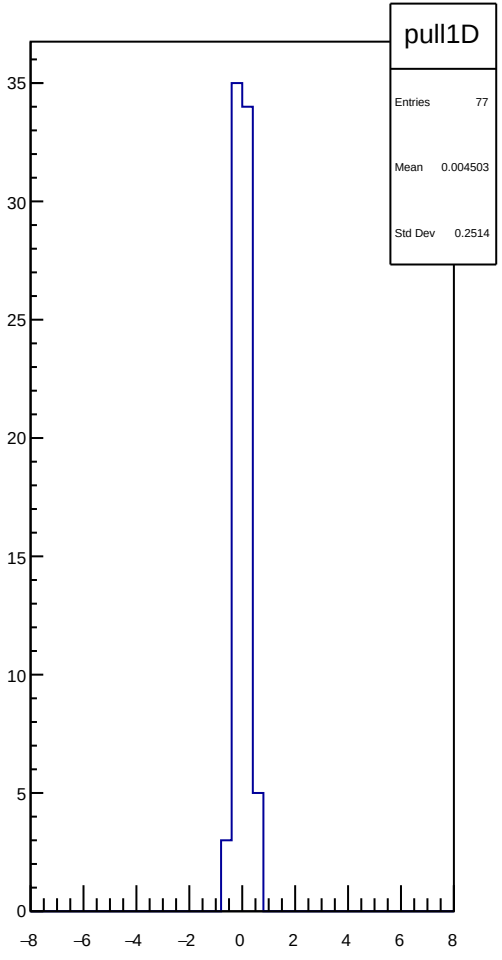

pull1D
Entries 77
Mean 0.004956
Std Dev 0.3045

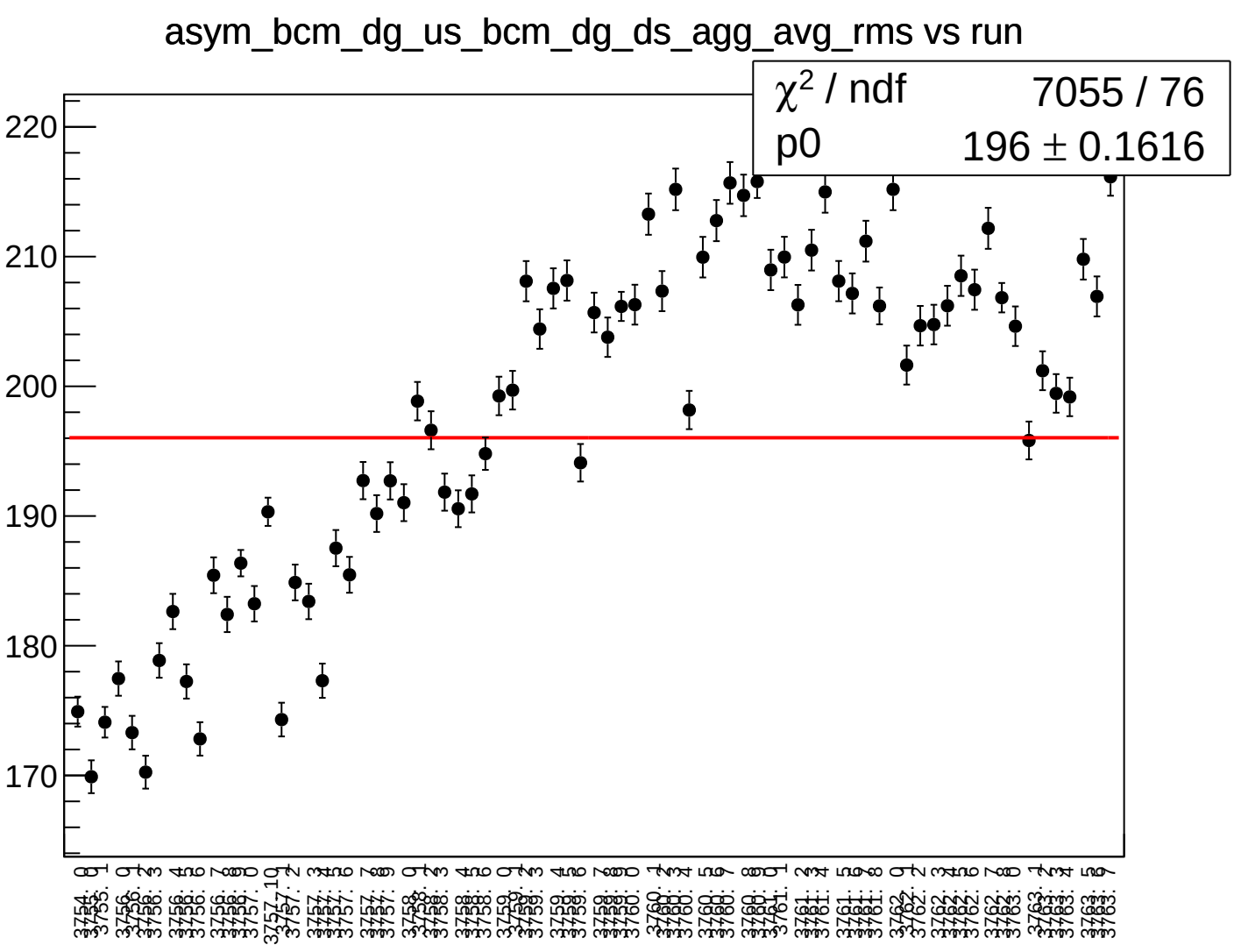

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 7508 / 76
p0 195.1 ± 0.1609
220
210
200
190
180
170

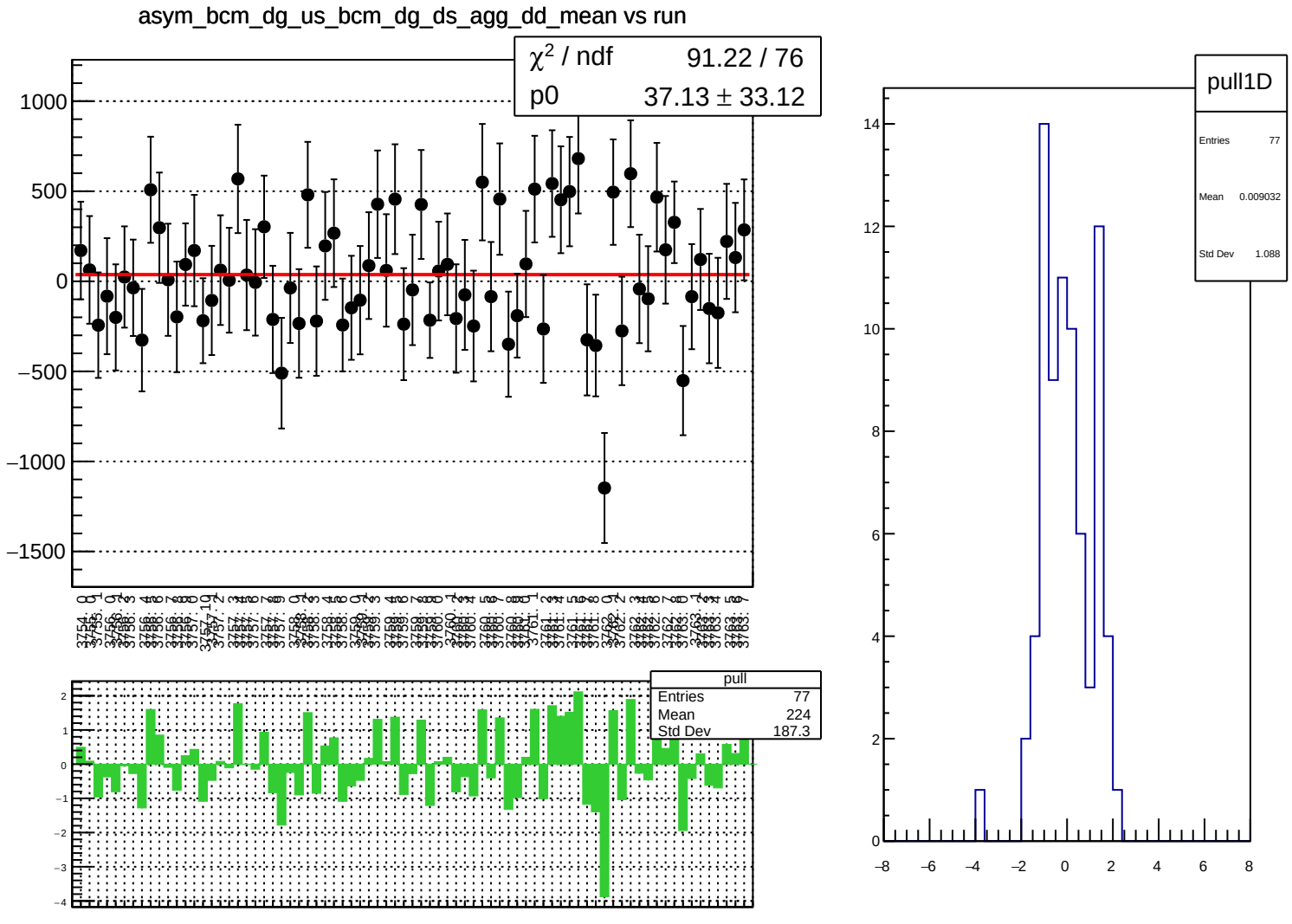

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 78.08 / 76
p0 −20.14 ± 34.19
1000
500
0
−500
−1000
pull
Entries 77
Mean 103.3
Std Dev 65.1
2
1
0
−1
−2
−3
pull1D
Entries 77
Mean 0.00522
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

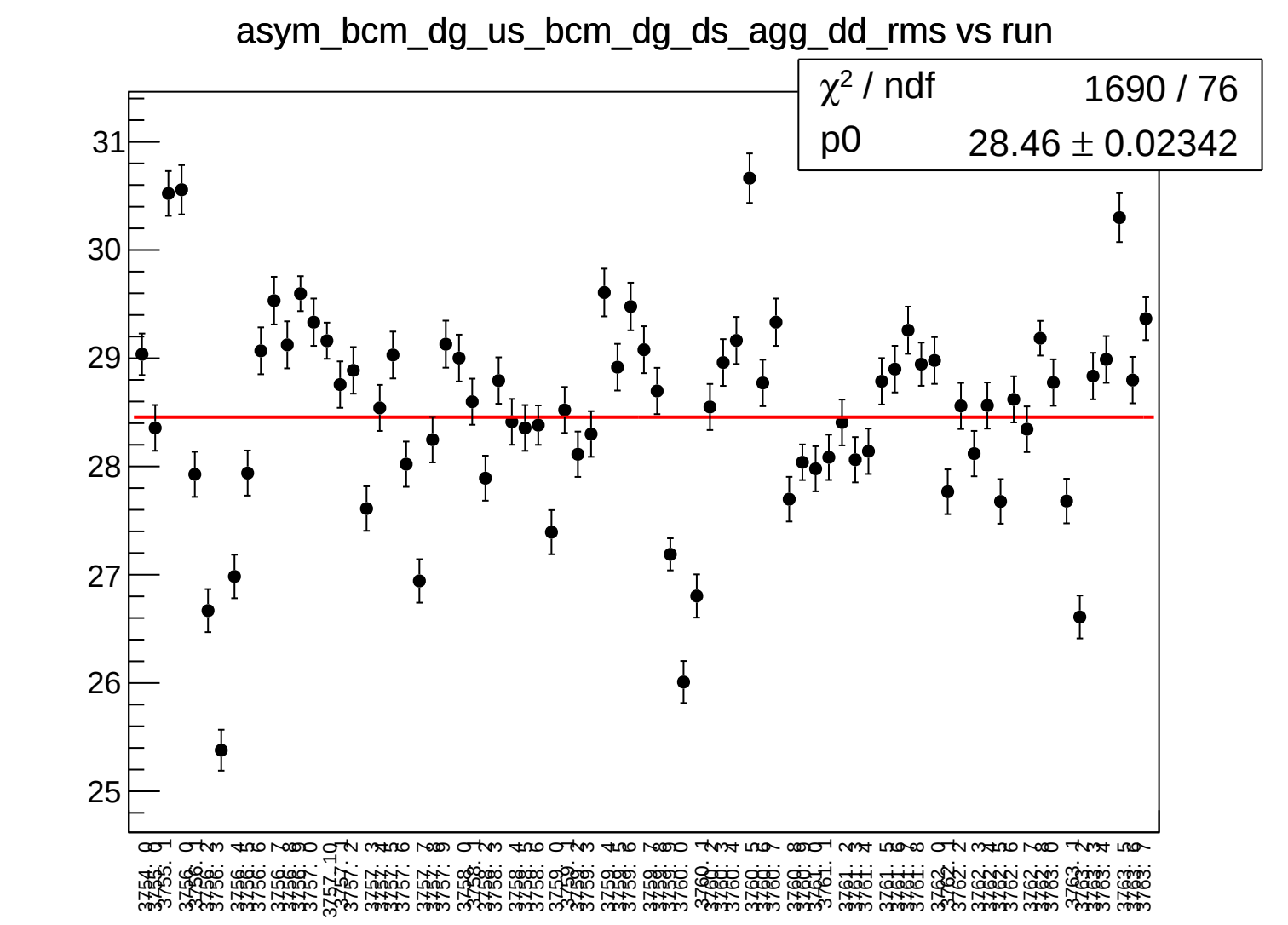

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1.412e+04 / 76
p0 29.25 ± 0.02418
36
34
32
30
28
26

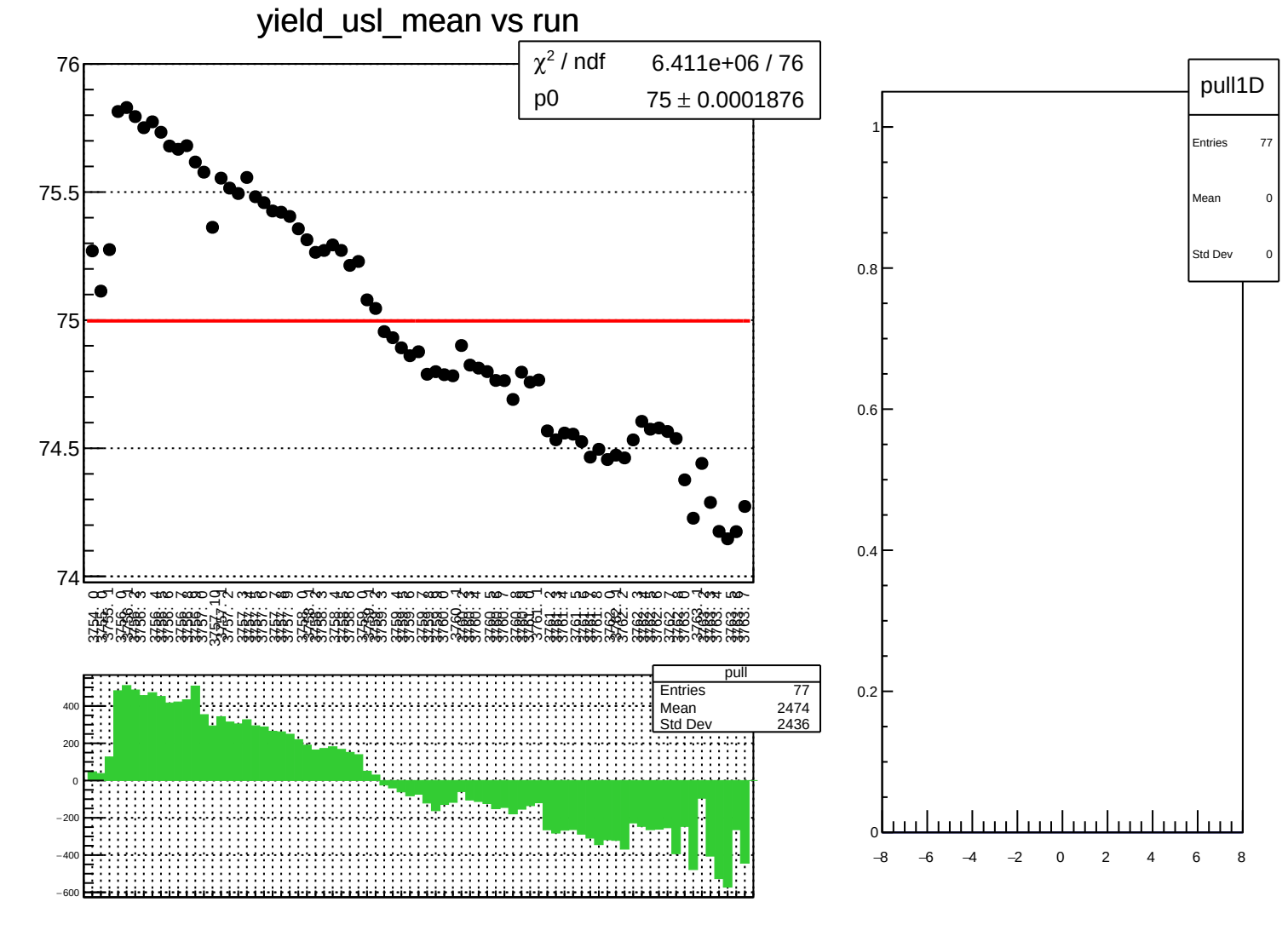

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 4.87 / 76
p0 1.865 ± 228.6
pull
Entries 77
Mean 196.2
Std Dev 168.3

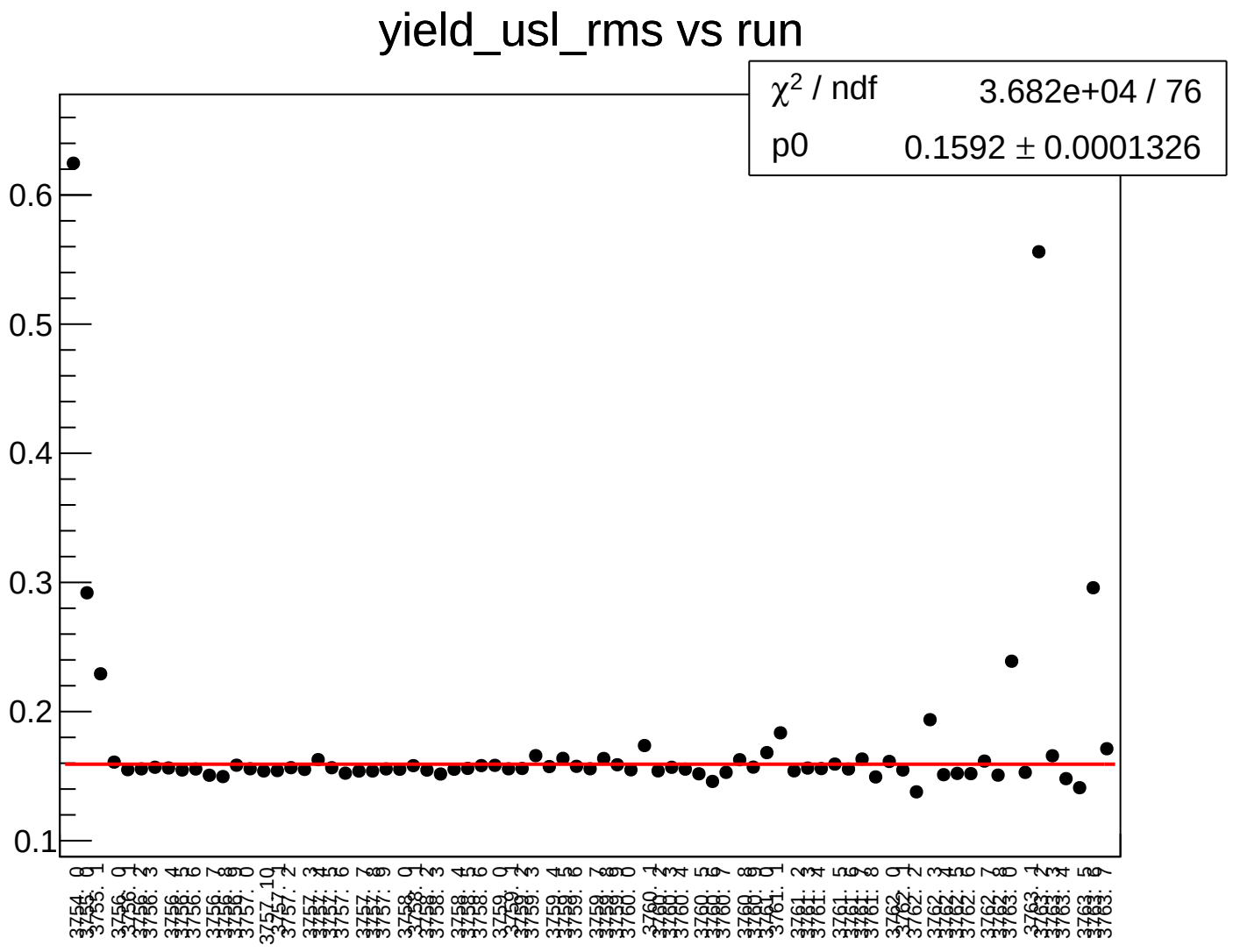

pull1D
Entries 77
Mean 0.004503
Std Dev 0.2514

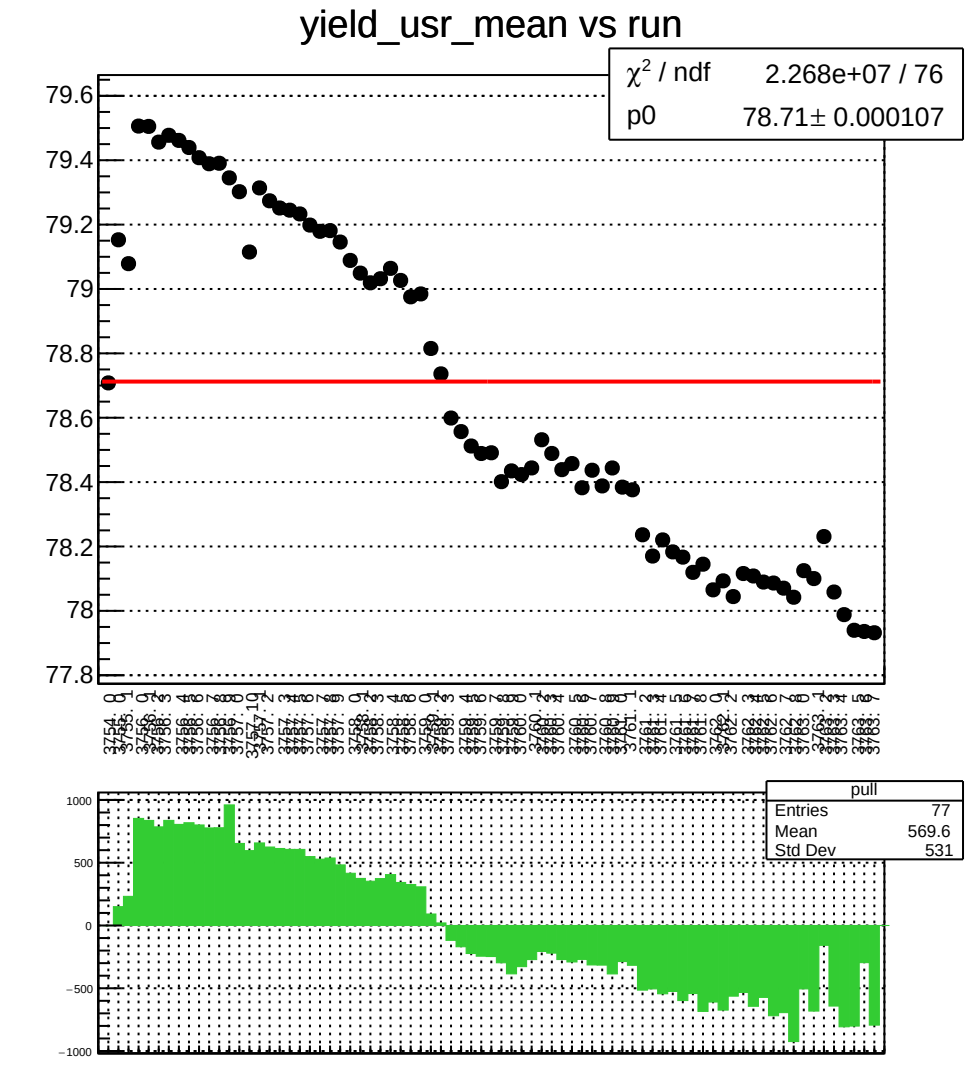

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 7055 / 76
p0 196 ± 0.1616
220
210
200
190
180
170

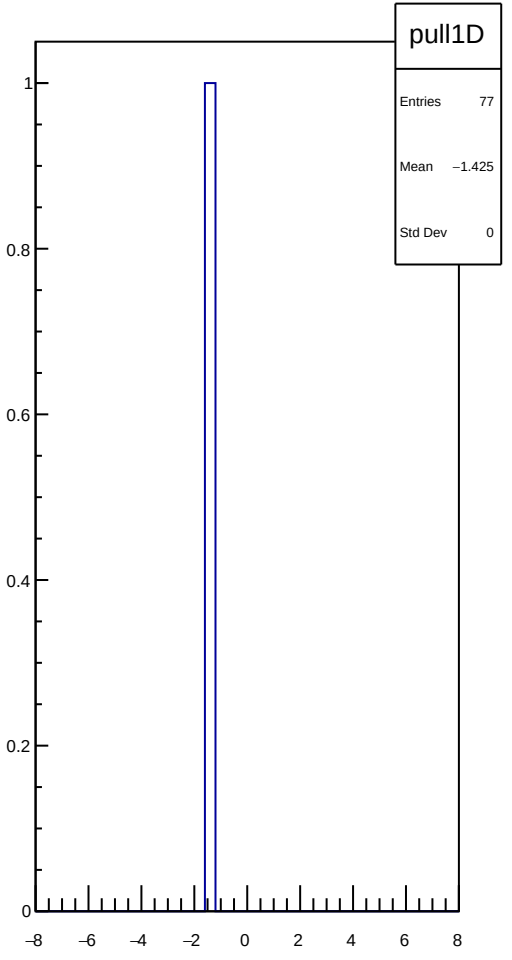

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 91.22 / 76
p0 37.13 ± 33.12
pull
Entries 77
Mean 224
Std Dev 187.3
pull1D
Entries 77
Mean 0.009032
Std Dev 1.088

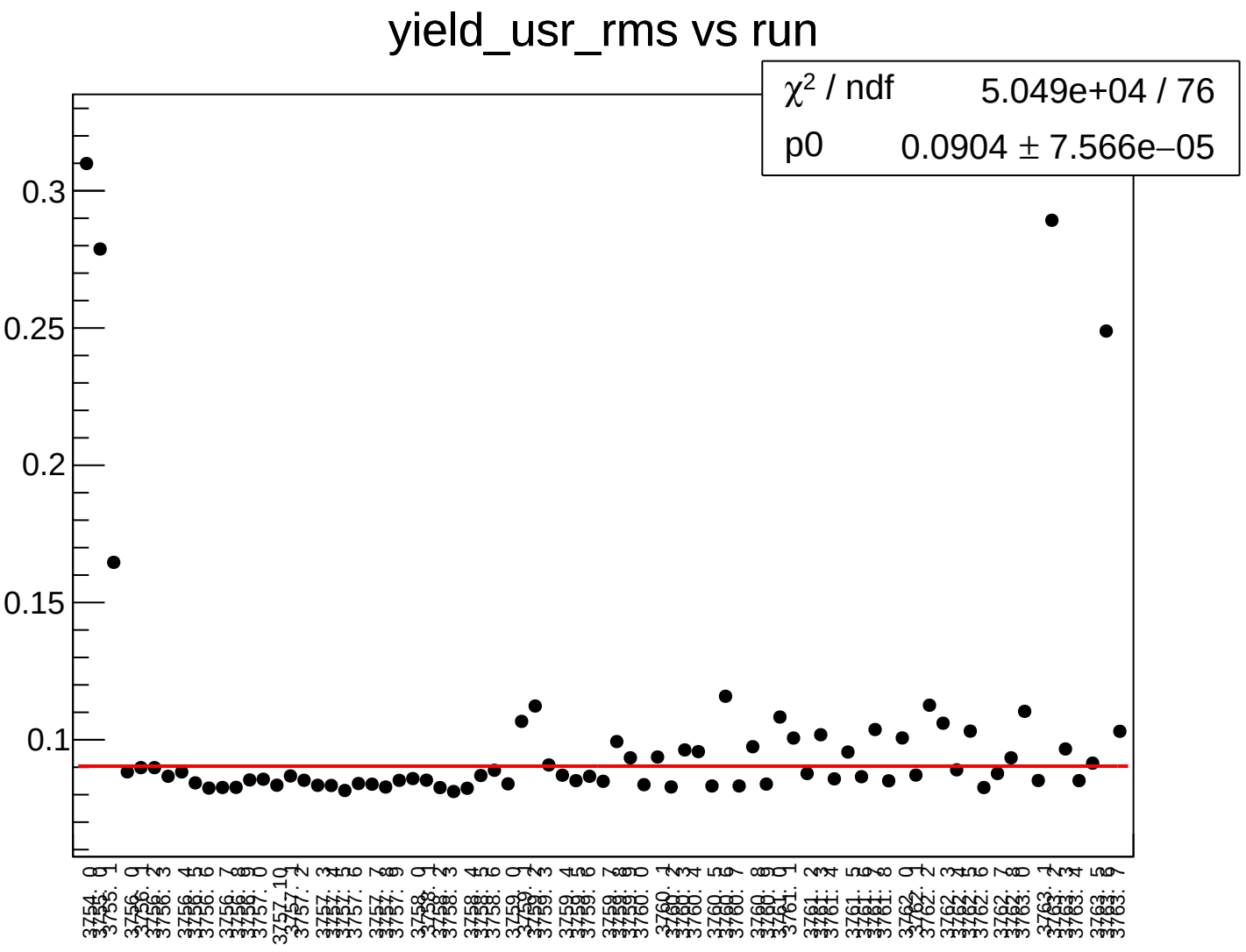

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1690 / 76
p0 28.46 ± 0.02342
31
30
29
28
27
26
25

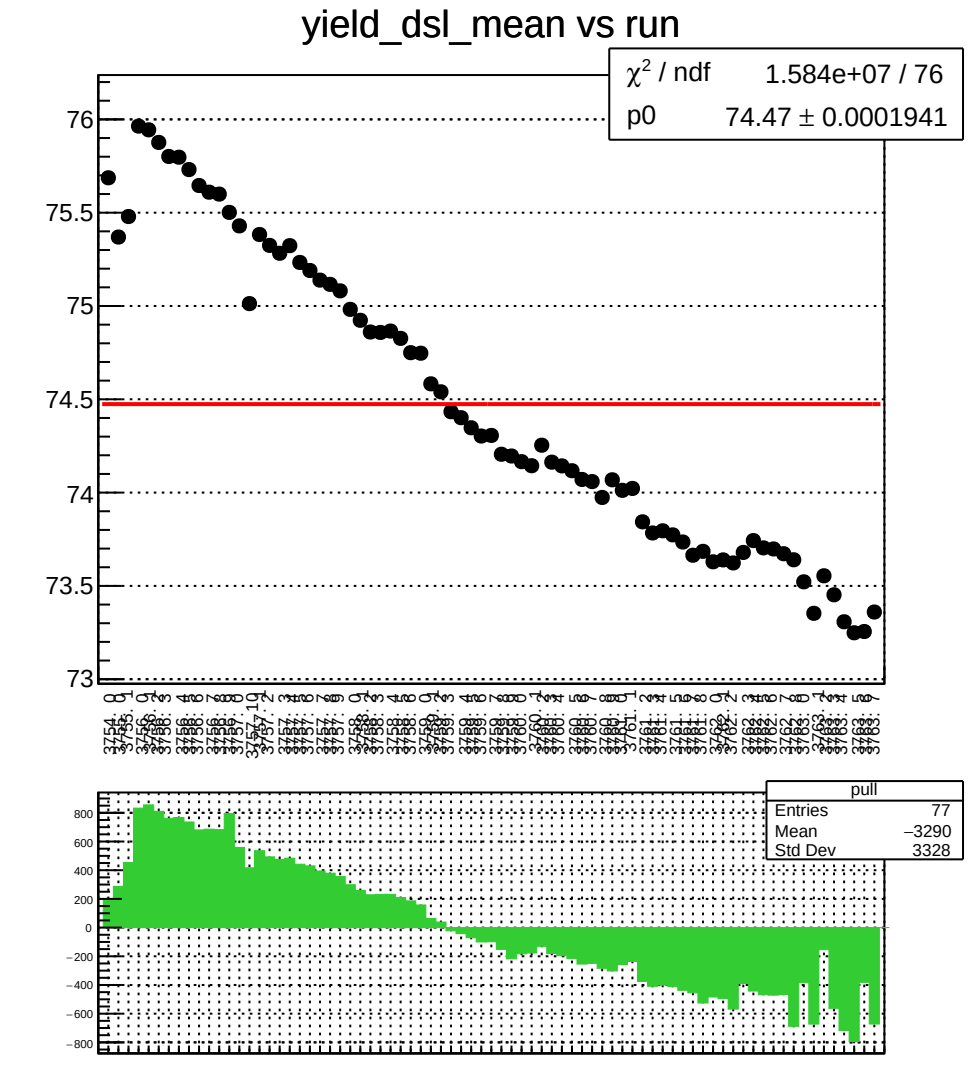

yield_usl_mean vs run
χ² / ndf 6.411e+06 / 76
p0 75 ± 0.0001876
76
75.5
75
74.5
74
pull
Entries 77
Mean 2474
Std Dev 2436
400
200
0
−200
−400
−600
pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

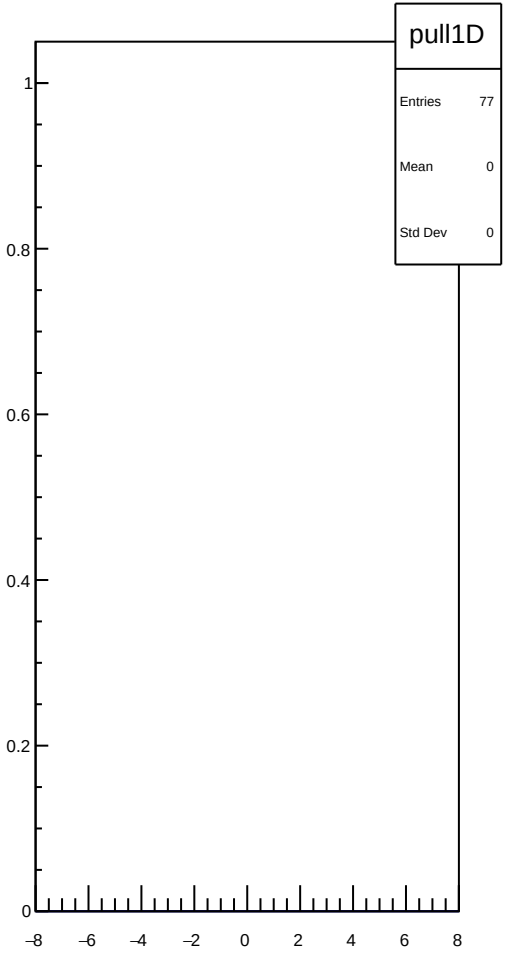

yield_usl_rms vs run
χ² / ndf 3.682e+04 / 76
p0 0.1592 ± 0.0001326
0.6
0.5
0.4
0.3
0.2
0.1

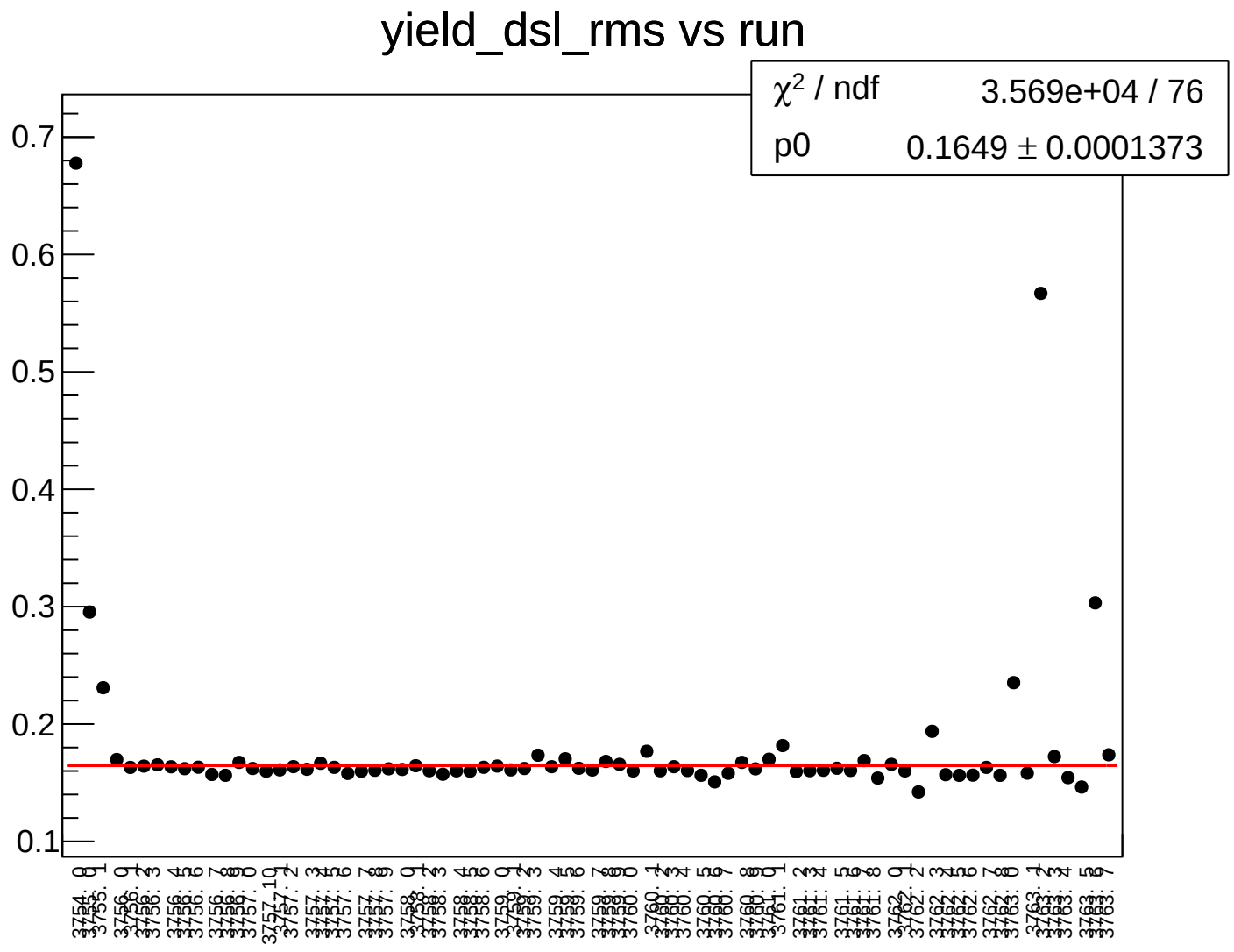

yield_usr_mean vs run
χ² / ndf 2.268e+07 / 76
p0 78.71± 0.000107
pull
Entries 77
Mean 569.6
Std Dev 531

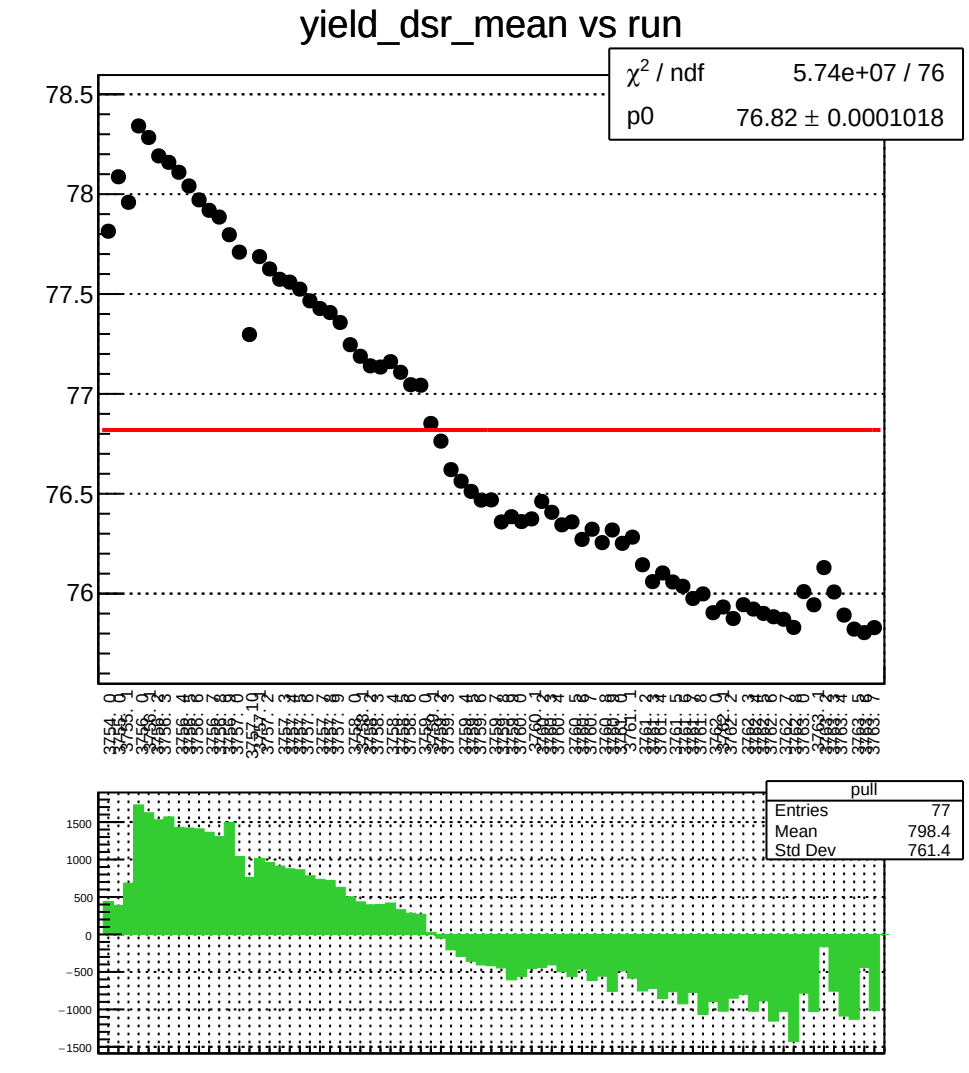

pull1D
Entries 77
Mean −1.425
Std Dev 0

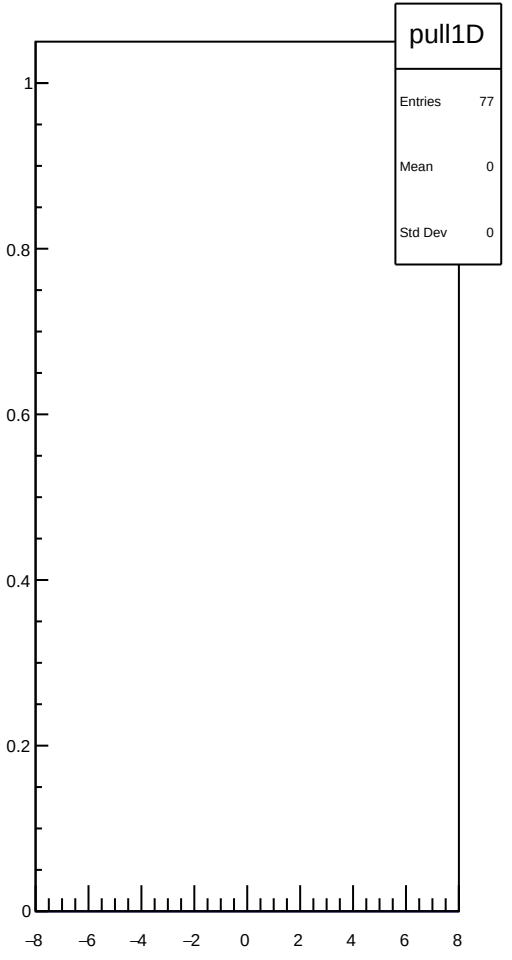

yield_usr_rms vs run
χ^2 / ndf 5.049e+04 / 76
p0 0.0904 ± 7.566e−05
0.3
0.25
0.2
0.15
0.1

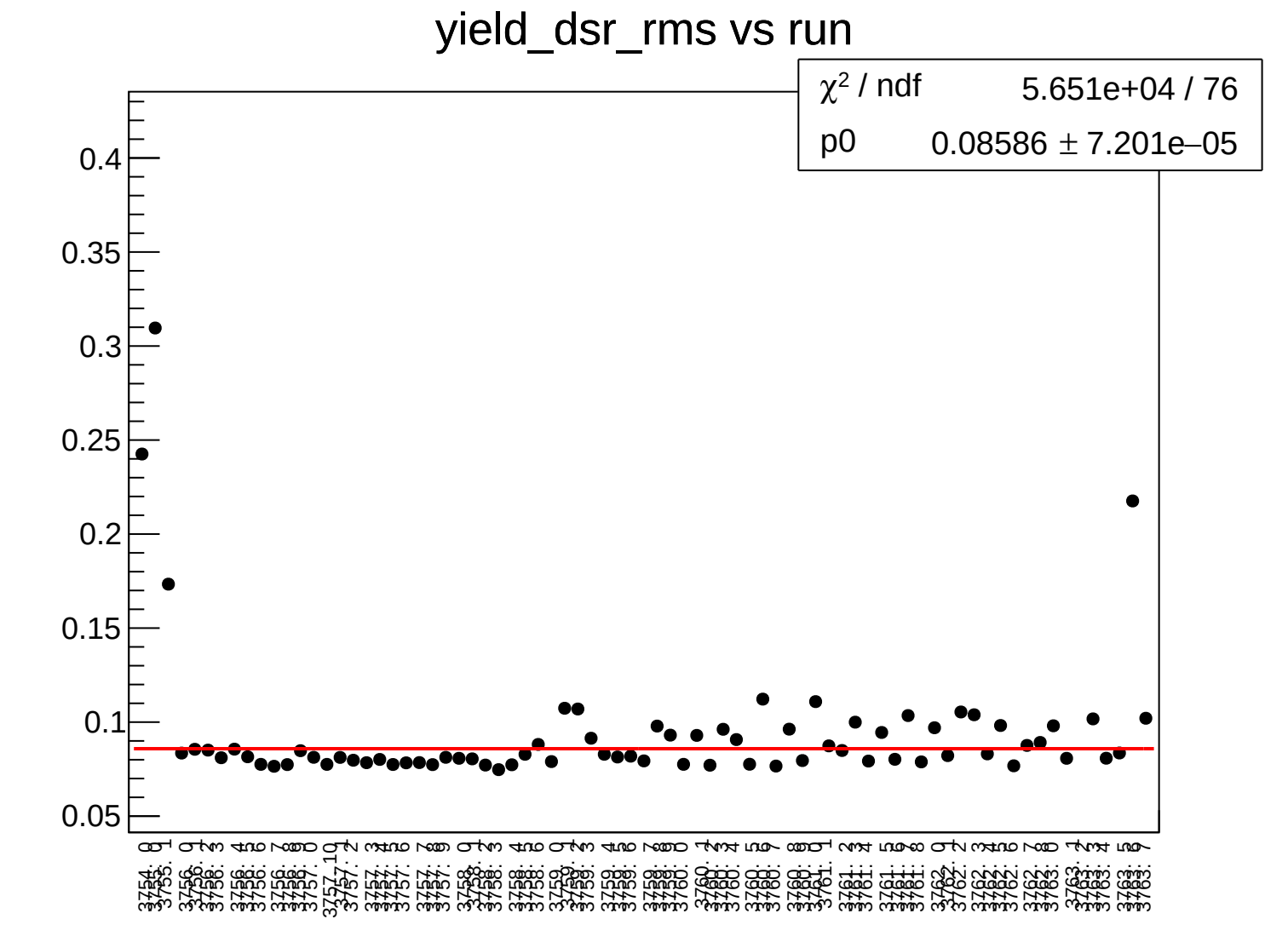

yield_dsl_mean vs run
χ² / ndf 1.584e+07 / 76
p0 74.47 ± 0.0001941
76
75.5
75
74.5
74
73.5
73
pull
Entries 77
Mean −3290
Std Dev 3328
800
600
400
200
0
−200
−400
−600
−800

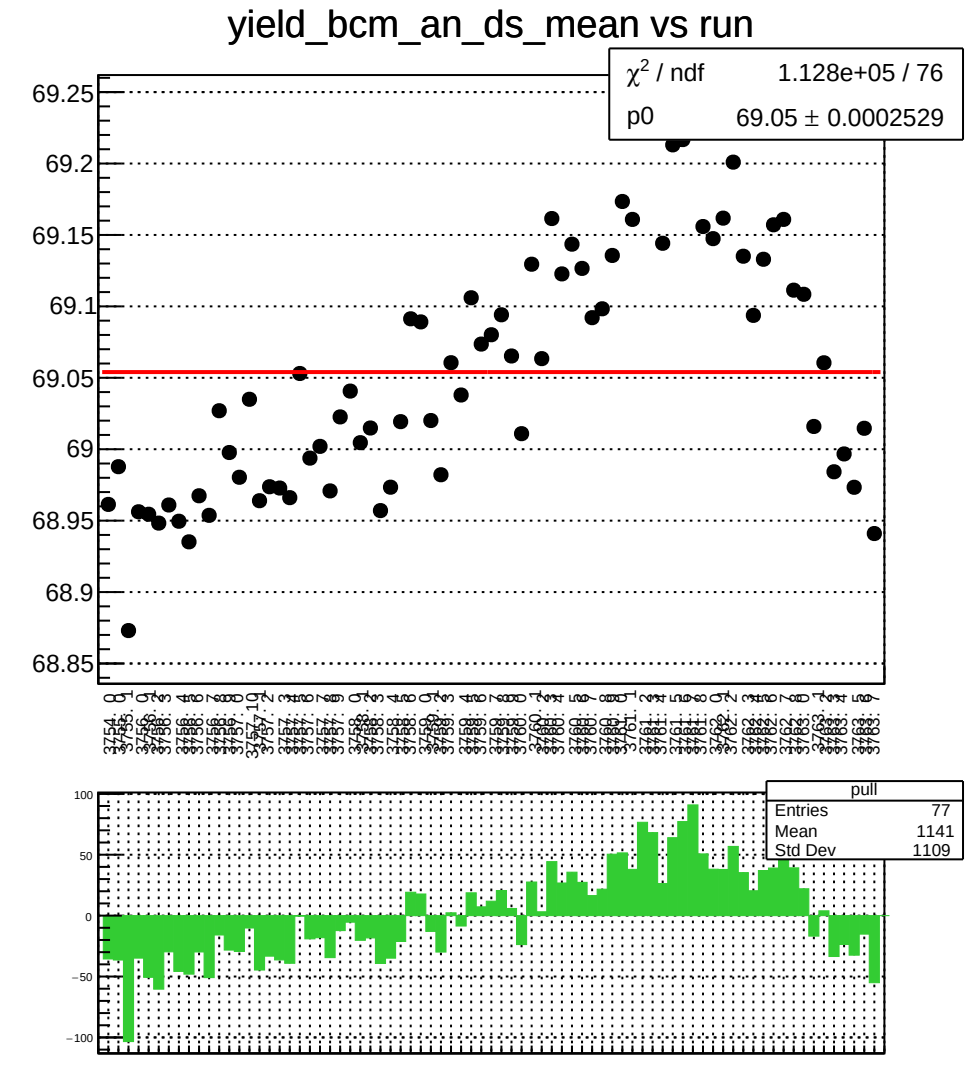

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

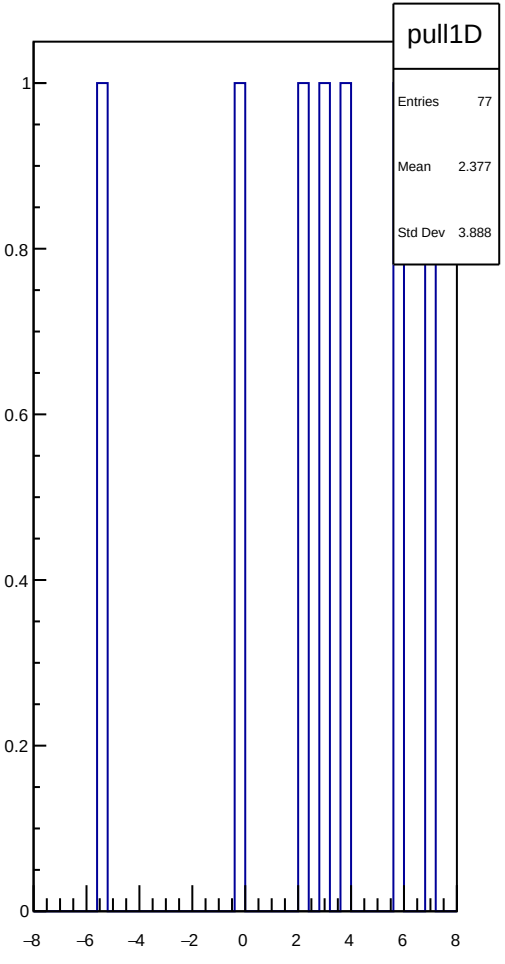

yield_dsl_rms vs run
χ² / ndf 3.569e+04 / 76
p0 0.1649 ± 0.0001373
0.7
0.6
0.5
0.4
0.3
0.2
0.1

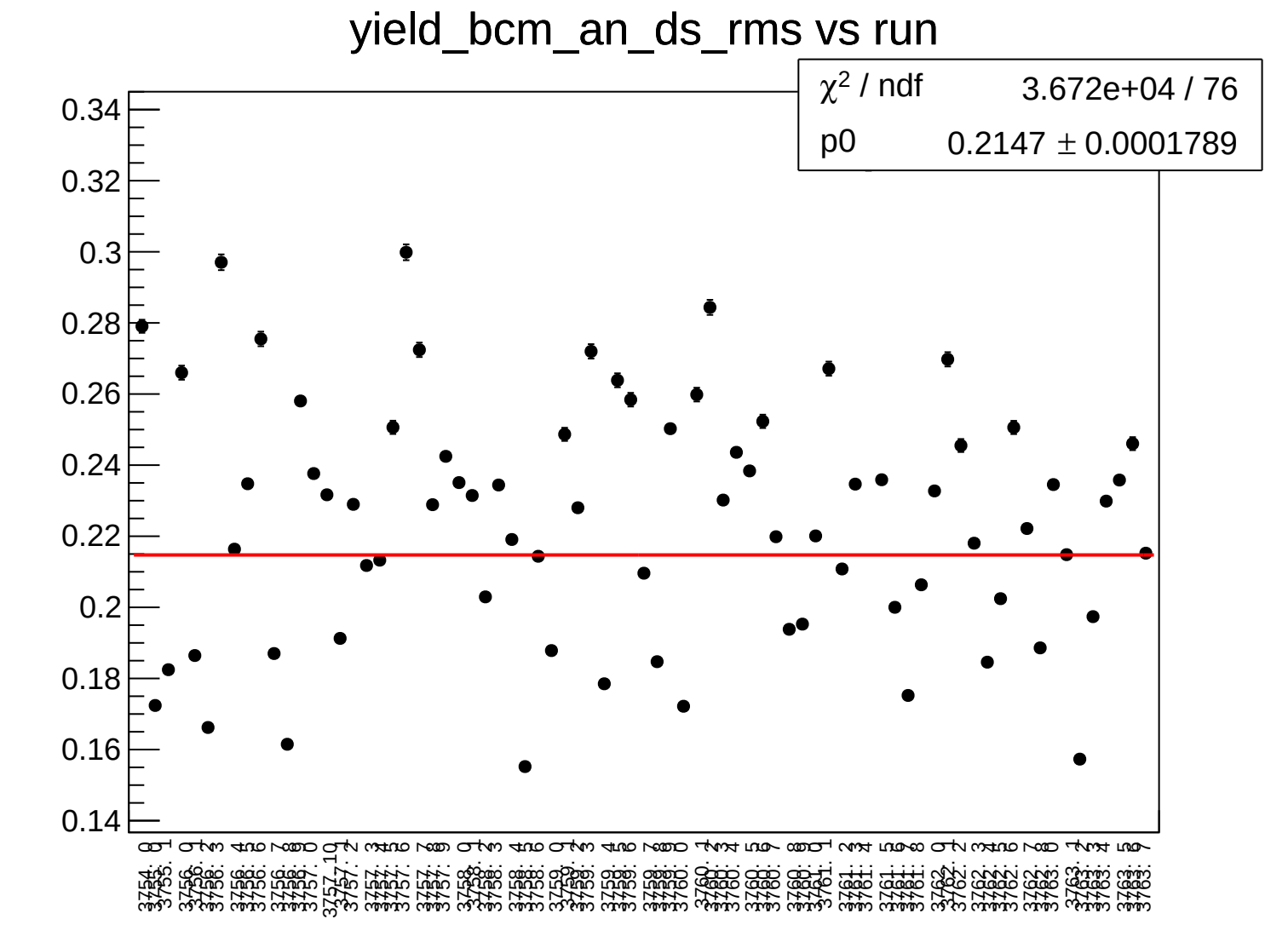

yield_dsr_mean vs run
χ² / ndf 5.74e+07 / 76
p0 76.82 ± 0.0001018
78.5
78
77.5
77
76.5
76
pull
Entries 77
Mean 798.4
Std Dev 761.4
1500
1000
500
0
−500
−1000
−1500

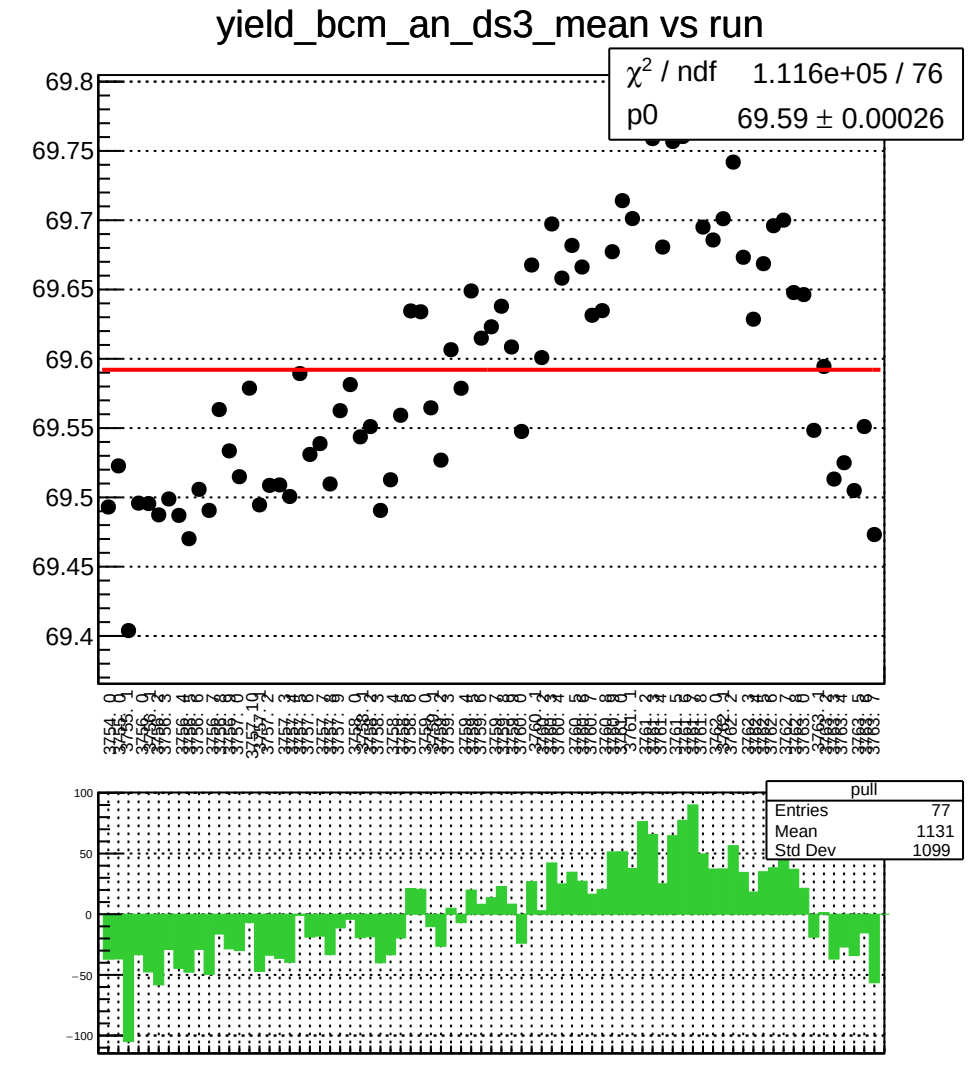

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

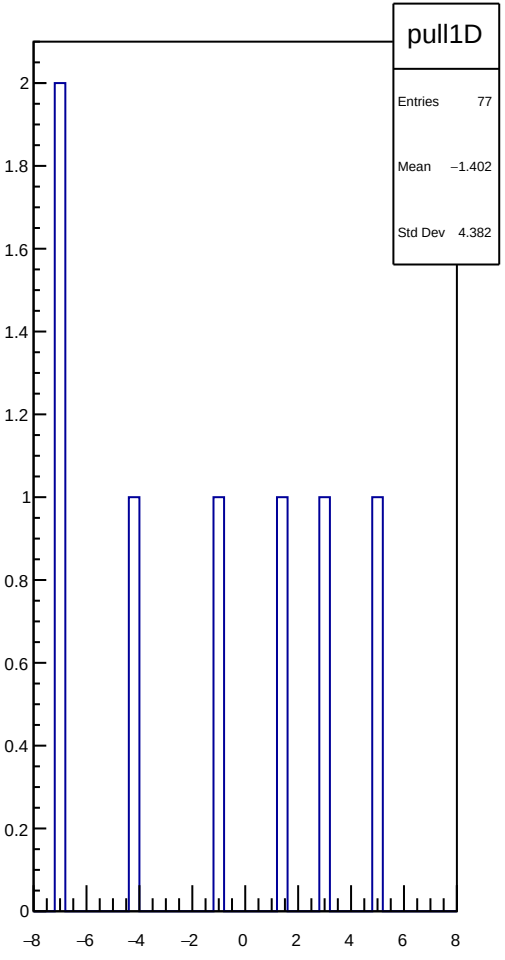

yield_dsr_rms vs run
χ² / ndf 5.651e+04 / 76
p0 0.08586 ± 7.201e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05

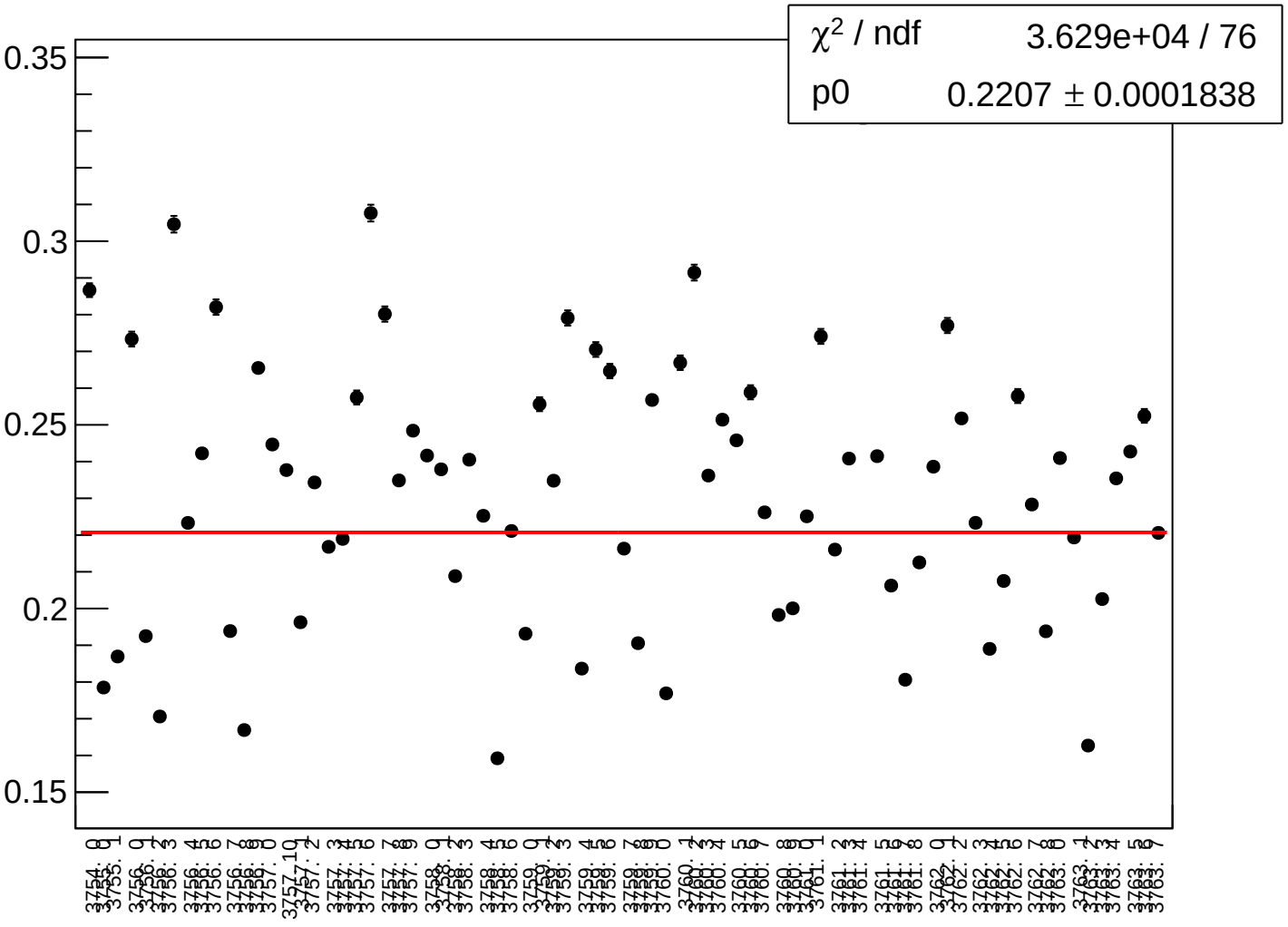

yield_bcm_an_ds_mean vs run
χ² / ndf 1.128e+05 / 76
p0 69.05 ± 0.0002529
69.25
69.2
69.15
69.1
69.05
69
68.95
68.9
68.85
pull
Entries 77
Mean 1141
Std Dev 1109
100
50
0
−50
−100

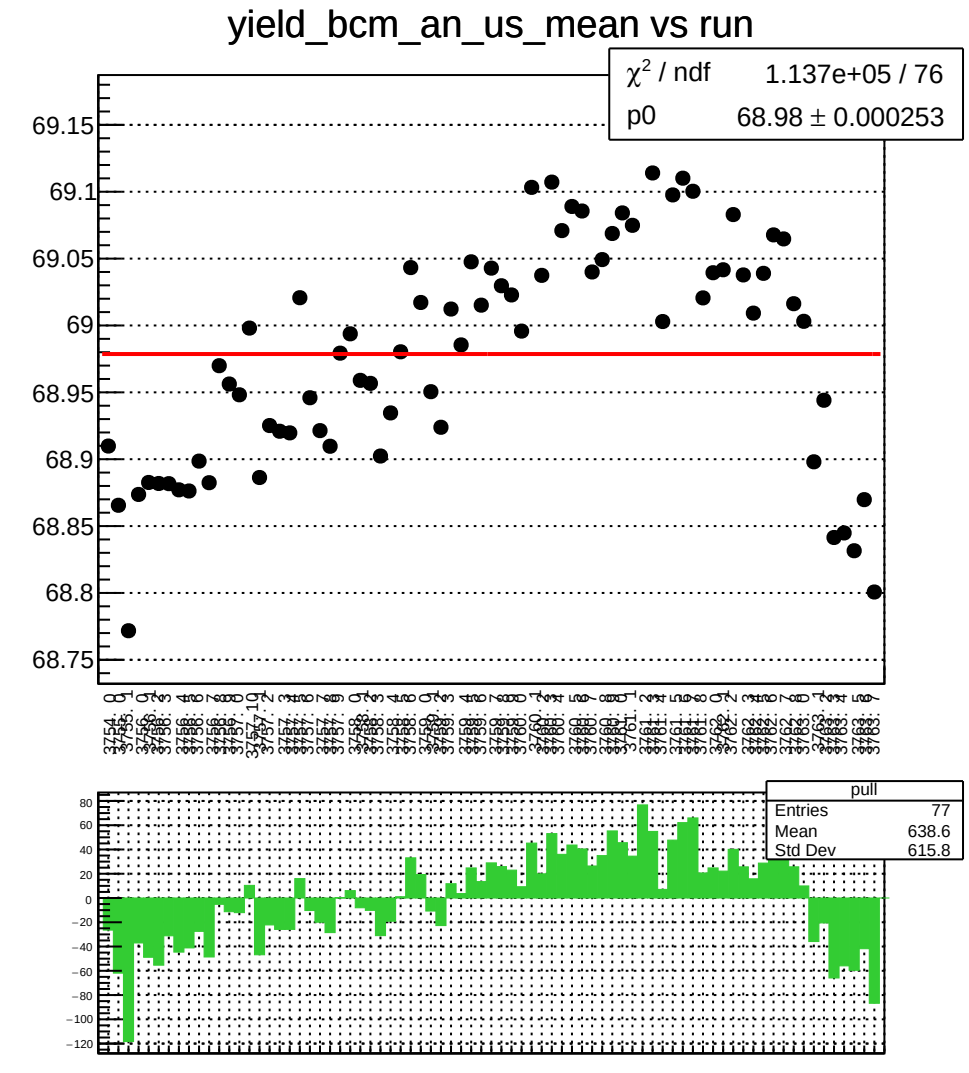

pull1D
Entries 77
Mean 2.377
Std Dev 3.888
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

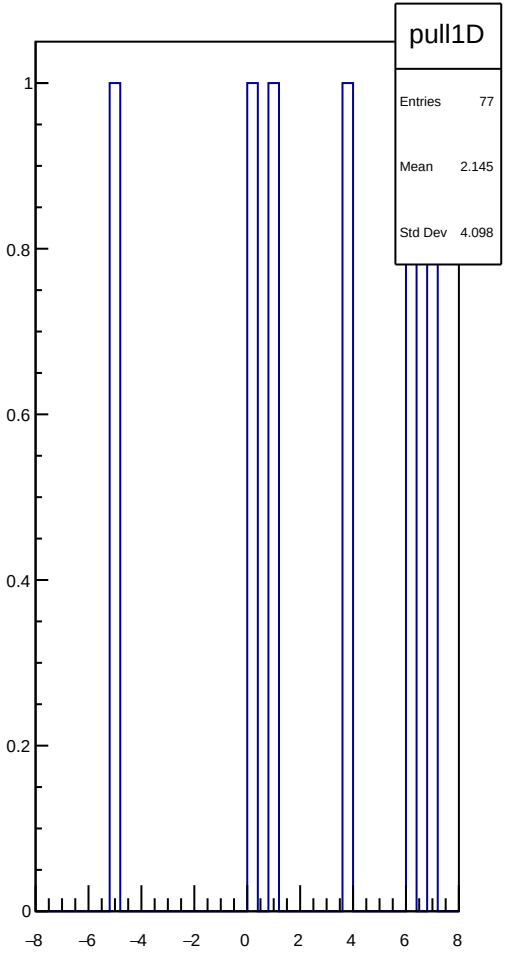

yield_bcm_an_ds_rms vs run
χ² / ndf 3.672e+04 / 76
p0 0.2147 ± 0.0001789
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14

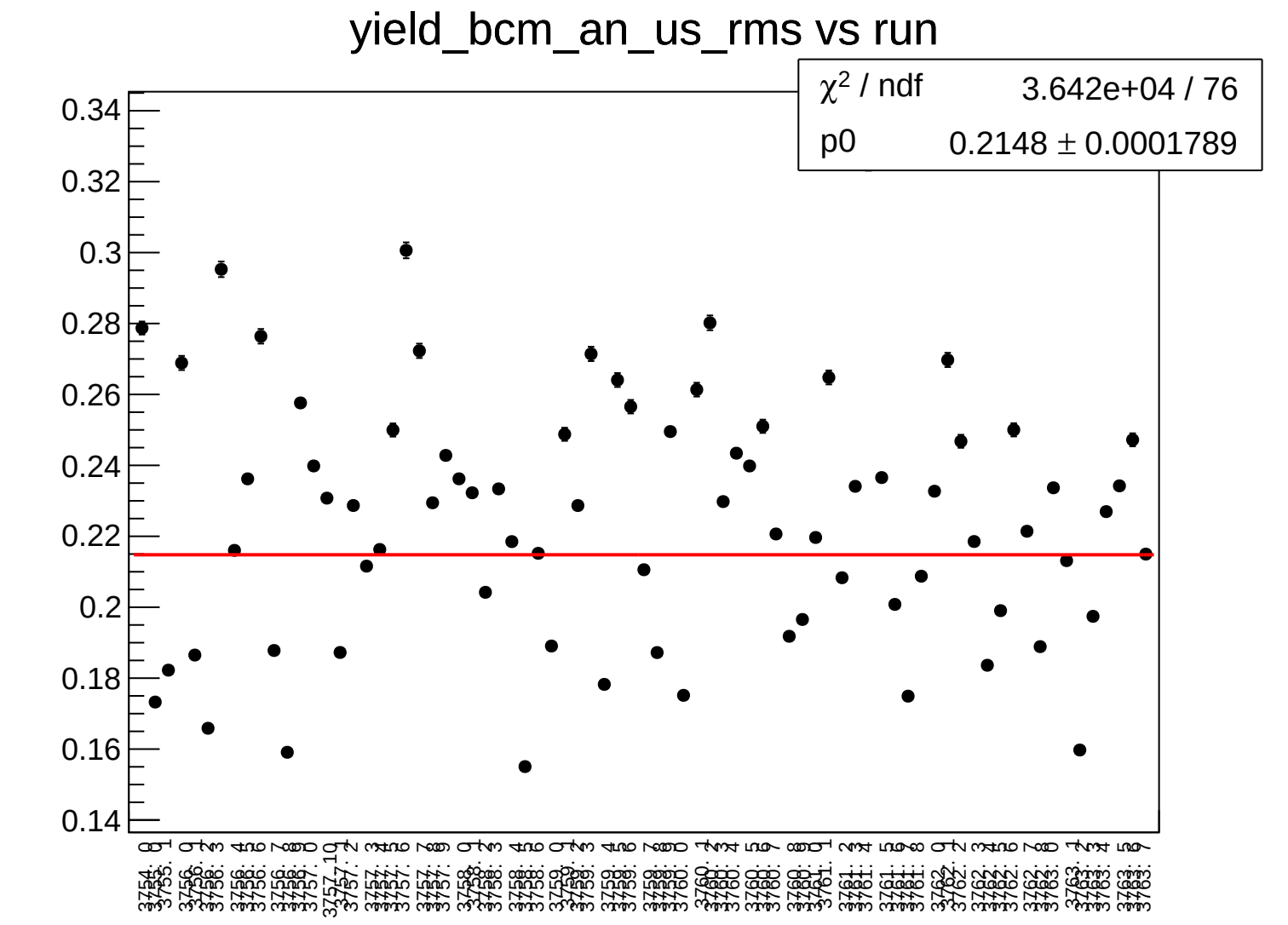

yield_bcm_an_ds3_mean vs run
χ² / ndf 1.116e+05 / 76
p0 69.59 ± 0.00026
pull
Entries 77
Mean 1131
Std Dev 1099

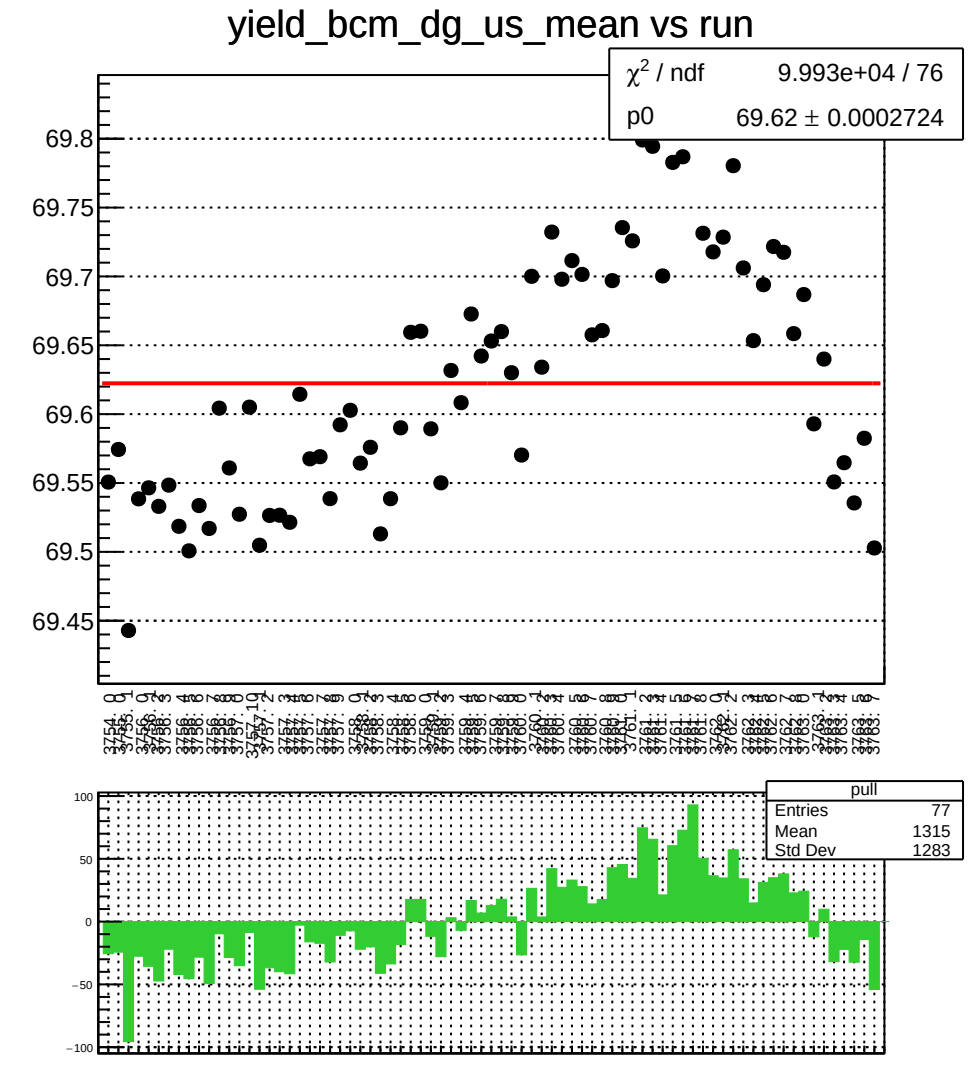

pull1D
Entries 77
Mean −1.402
Std Dev 4.382

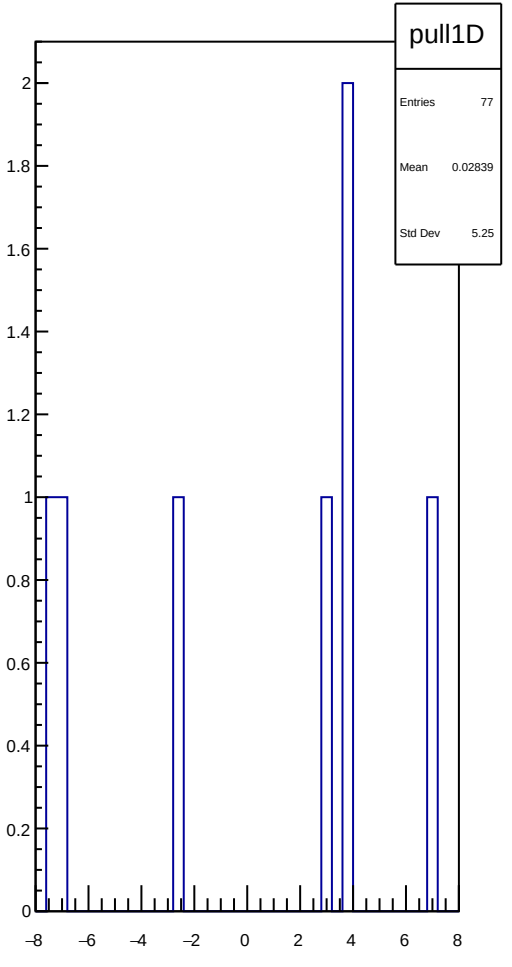

yield_bcm_an_ds3_rms vs run
χ² / ndf 3.629e+04 / 76
p0 0.2207 ± 0.0001838
0.35
0.3
0.25
0.2
0.15

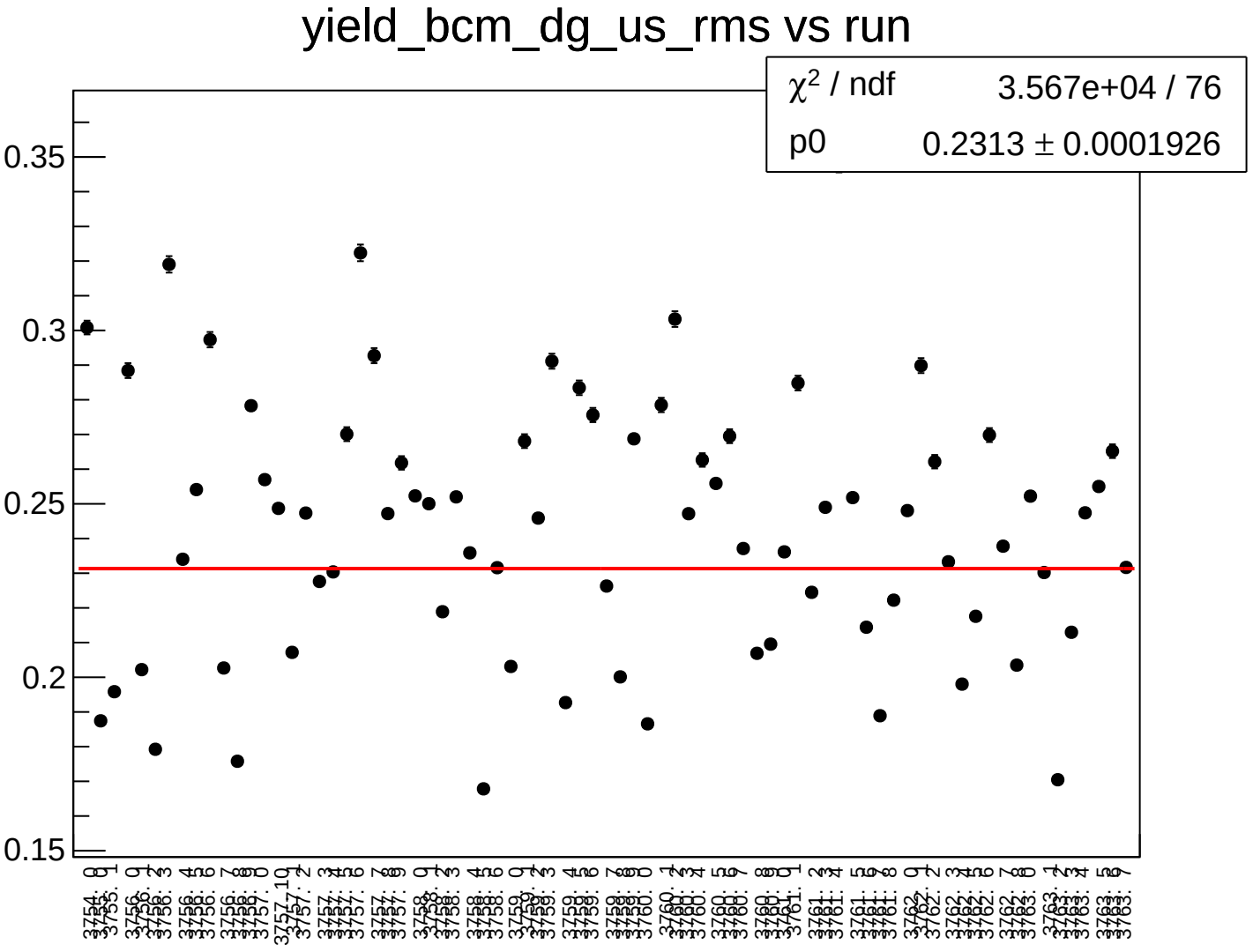

yield_bcm_an_us_mean vs run
χ² / ndf 1.137e+05 / 76
p0 68.98 ± 0.000253
pull
Entries 77
Mean 638.6
Std Dev 615.8

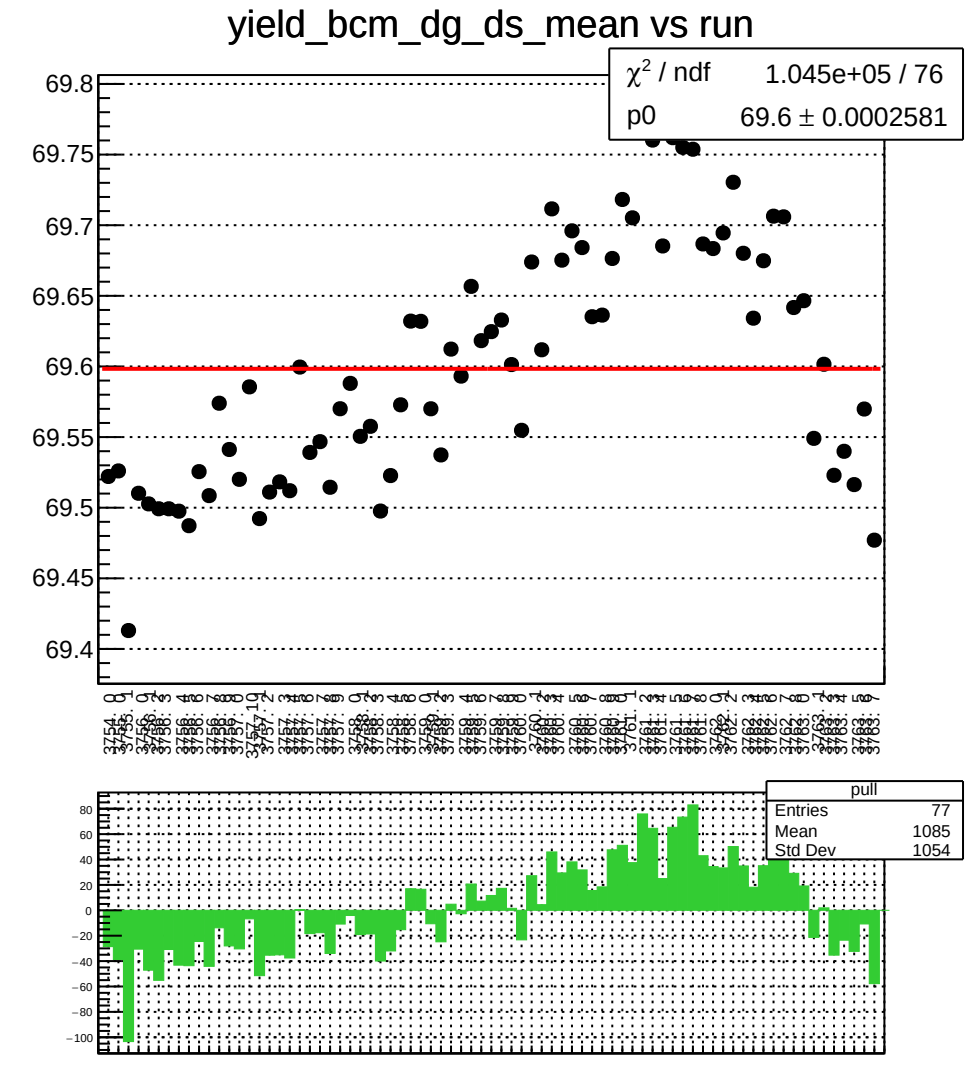

pull1D
Entries 77
Mean 2.145
Std Dev 4.098

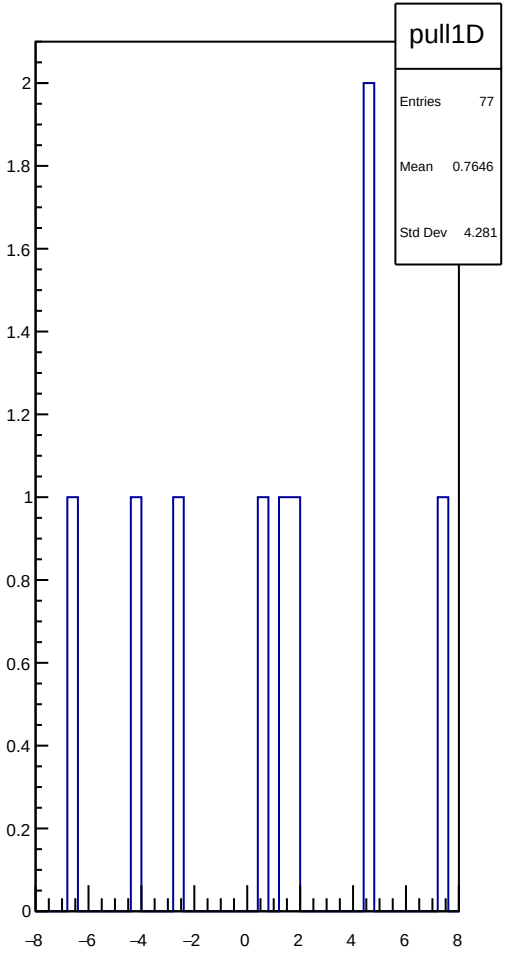

yield_bcm_an_us_rms vs run
χ² / ndf 3.642e+04 / 76
p0 0.2148 ± 0.0001789
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14

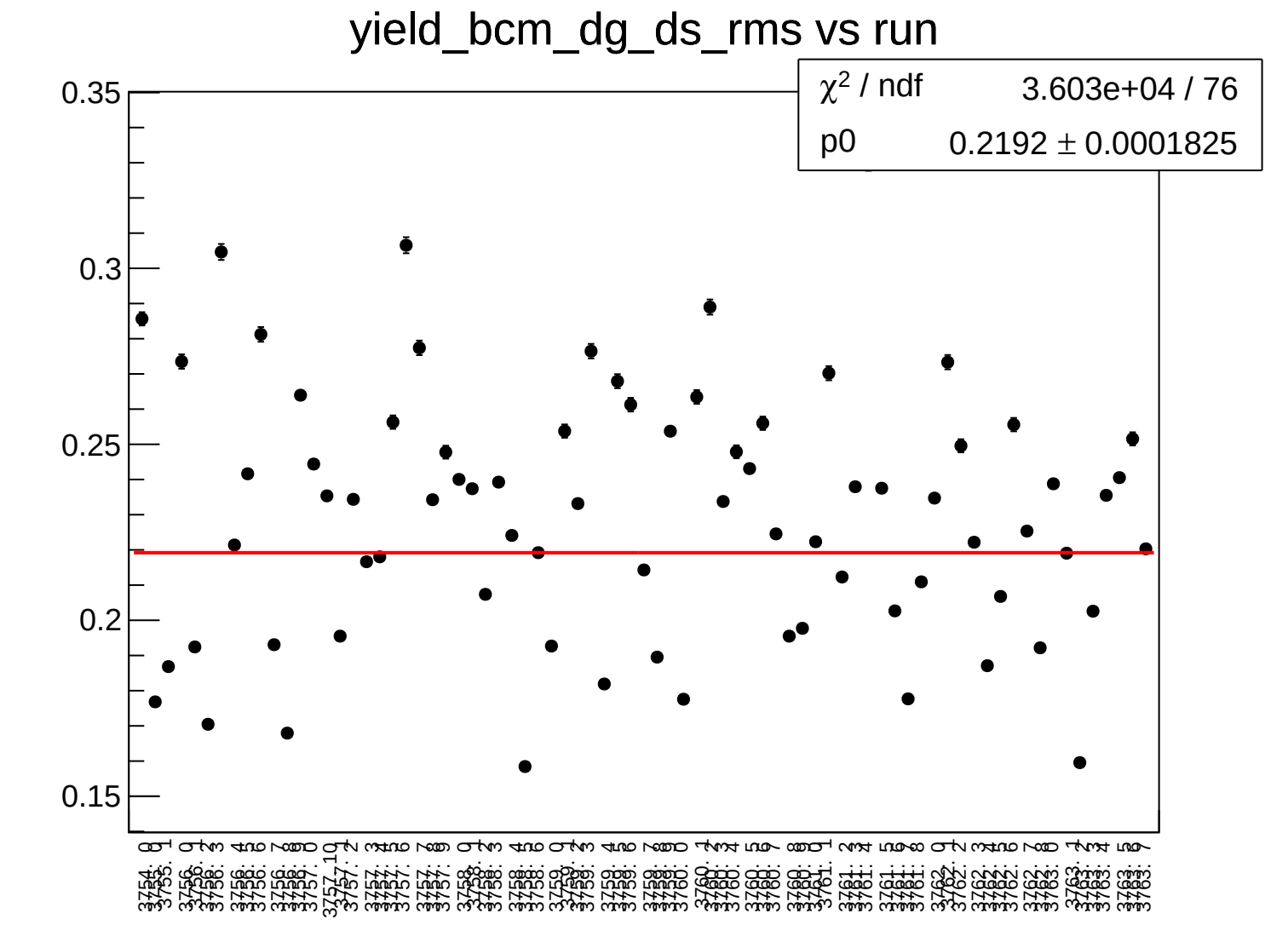

yield_bcm_dg_us_mean vs run
χ² / ndf 9.993e+04 / 76
p0 69.62 ± 0.0002724
69.8
69.75
69.7
69.65
69.6
69.55
69.5
69.45
pull
Entries 77
Mean 1315
Std Dev 1283
100
50
0
−50
−100

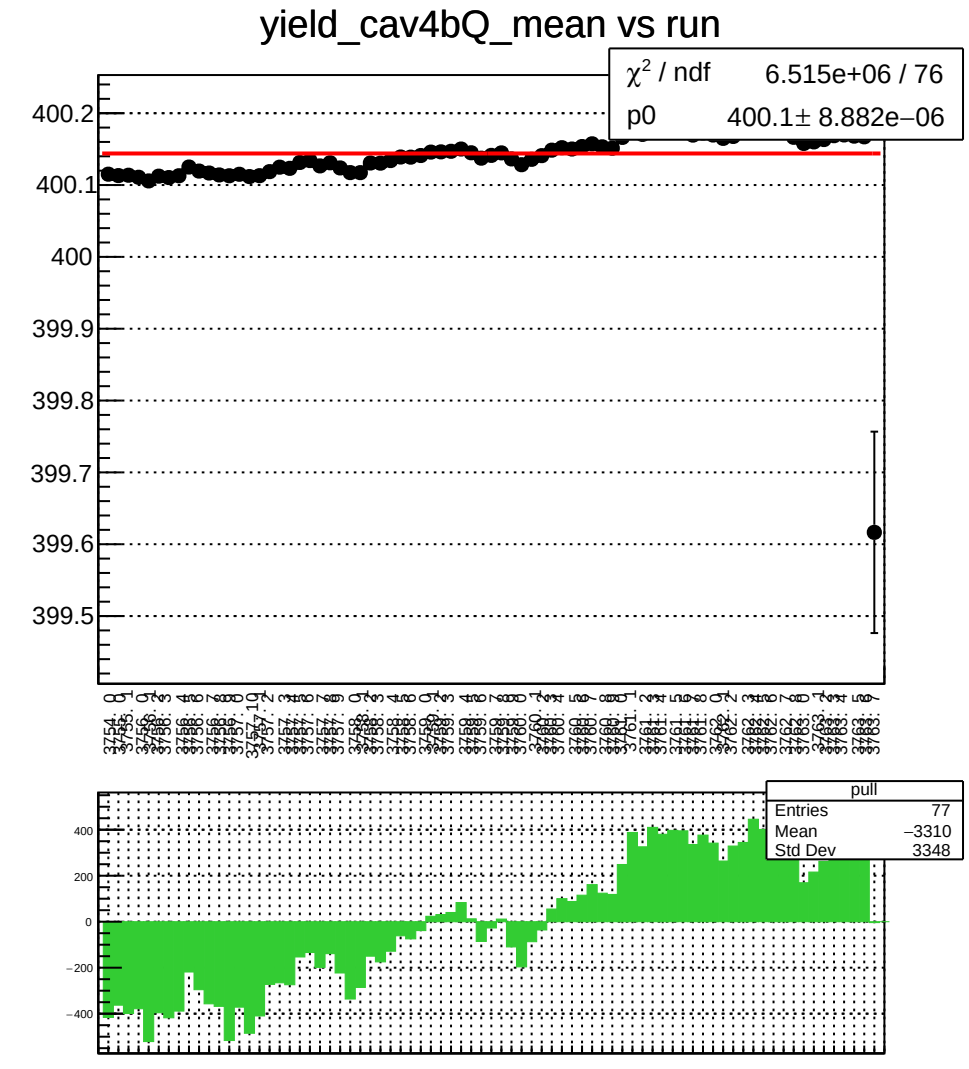

pull1D
Entries 77
Mean 0.02839
Std Dev 5.25
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

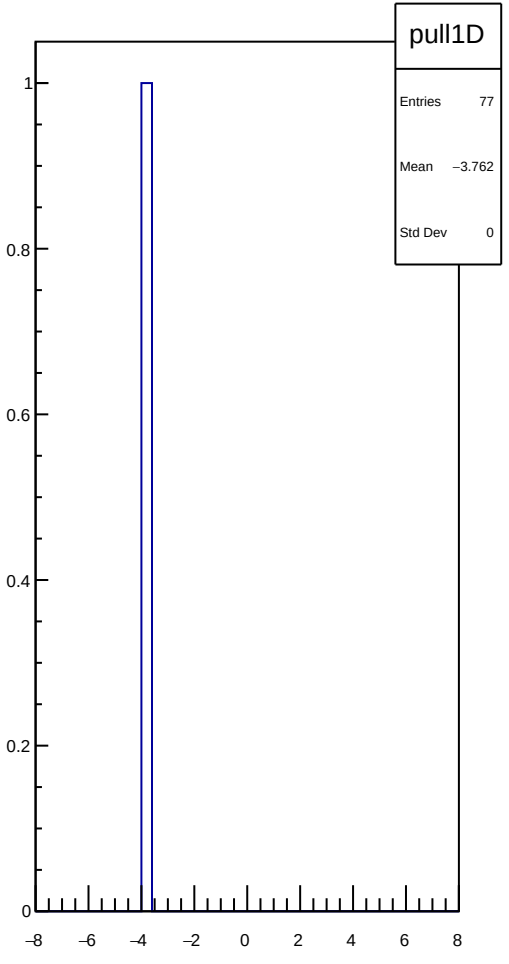

yield_bcm_dg_us_rms vs run
χ² / ndf 3.567e+04 / 76
p0 0.2313 ± 0.0001926
0.35
0.3
0.25
0.2
0.15

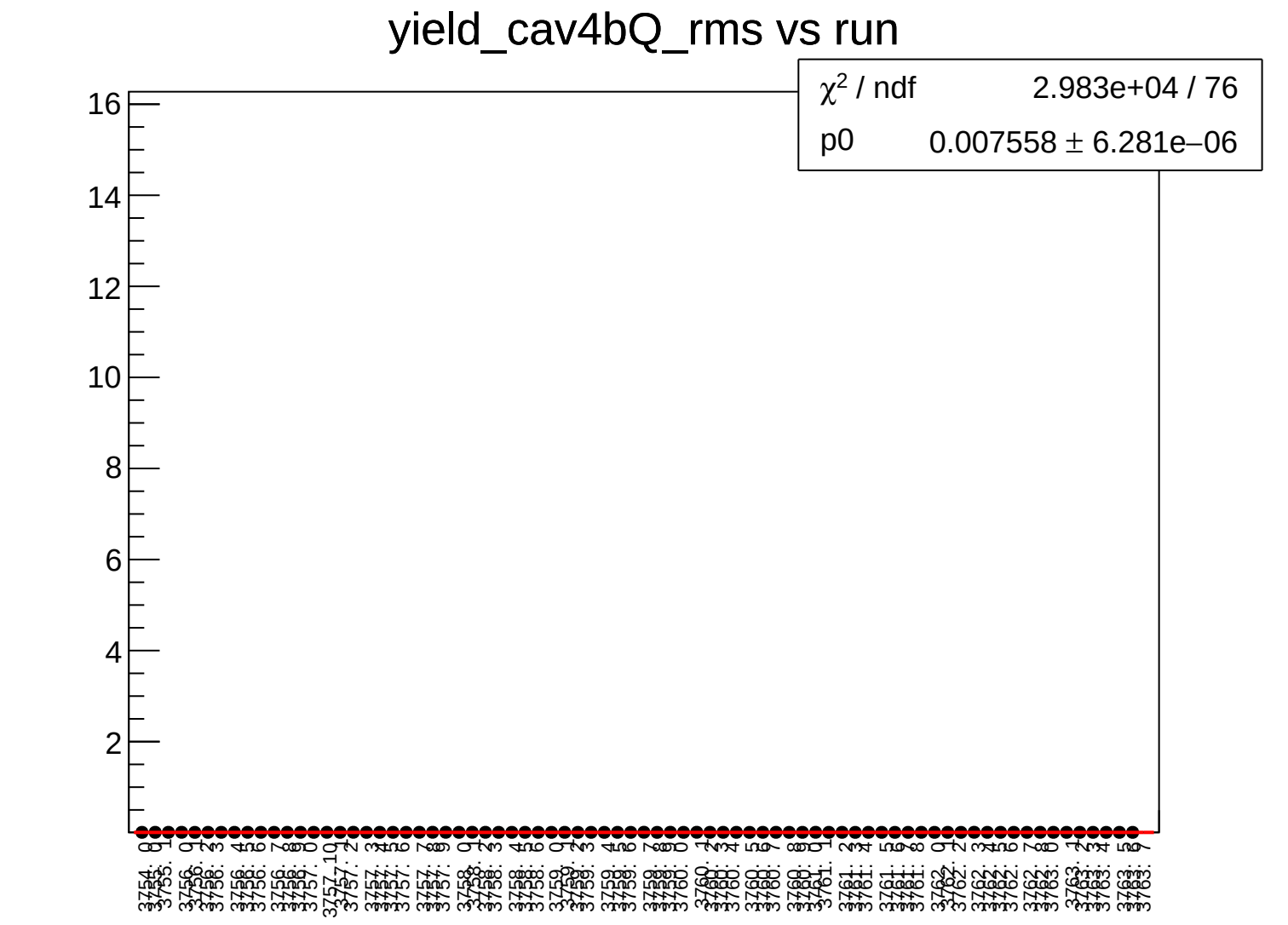

yield_bcm_dg_ds_mean vs run
χ² / ndf 1.045e+05 / 76
p0 69.6 ± 0.0002581
69.8
69.75
69.7
69.65
69.6
69.55
69.5
69.45
69.4
pull
Entries 77
Mean 1085
Std Dev 1054
80
60
40
20
0
−20
−40
−60
−80
−100

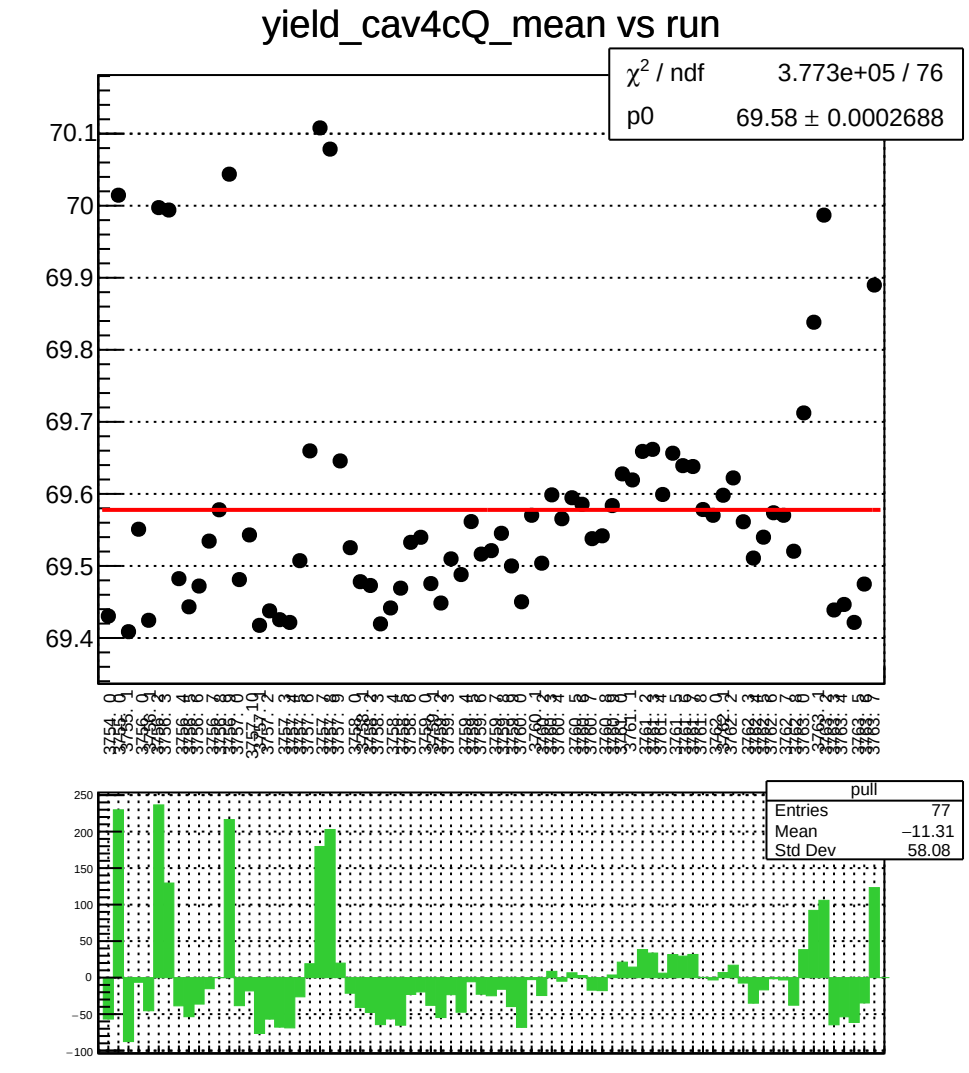

pull1D
Entries 77
Mean 0.7646
Std Dev 4.281
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

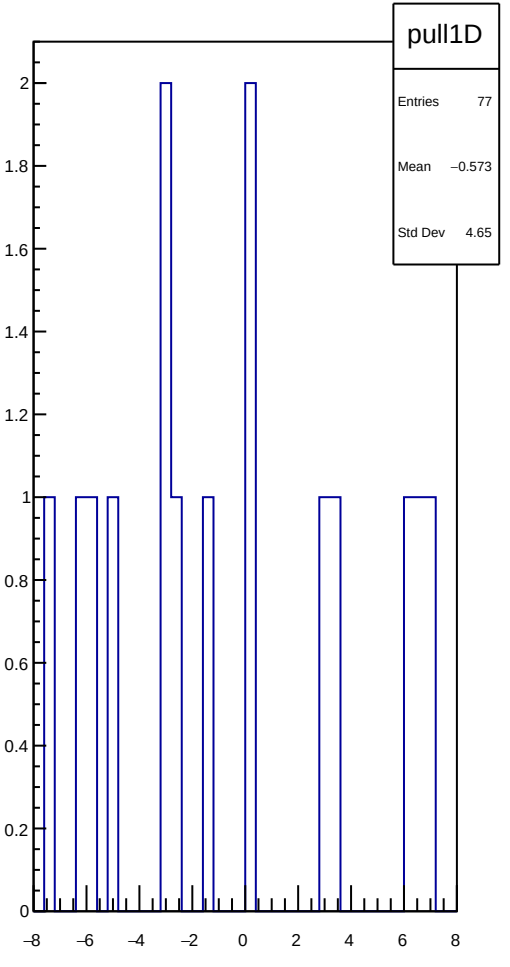

yield_bcm_dg_ds_rms vs run
χ² / ndf 3.603e+04 / 76
p0 0.2192 ± 0.0001825
0.35
0.3
0.25
0.2
0.15

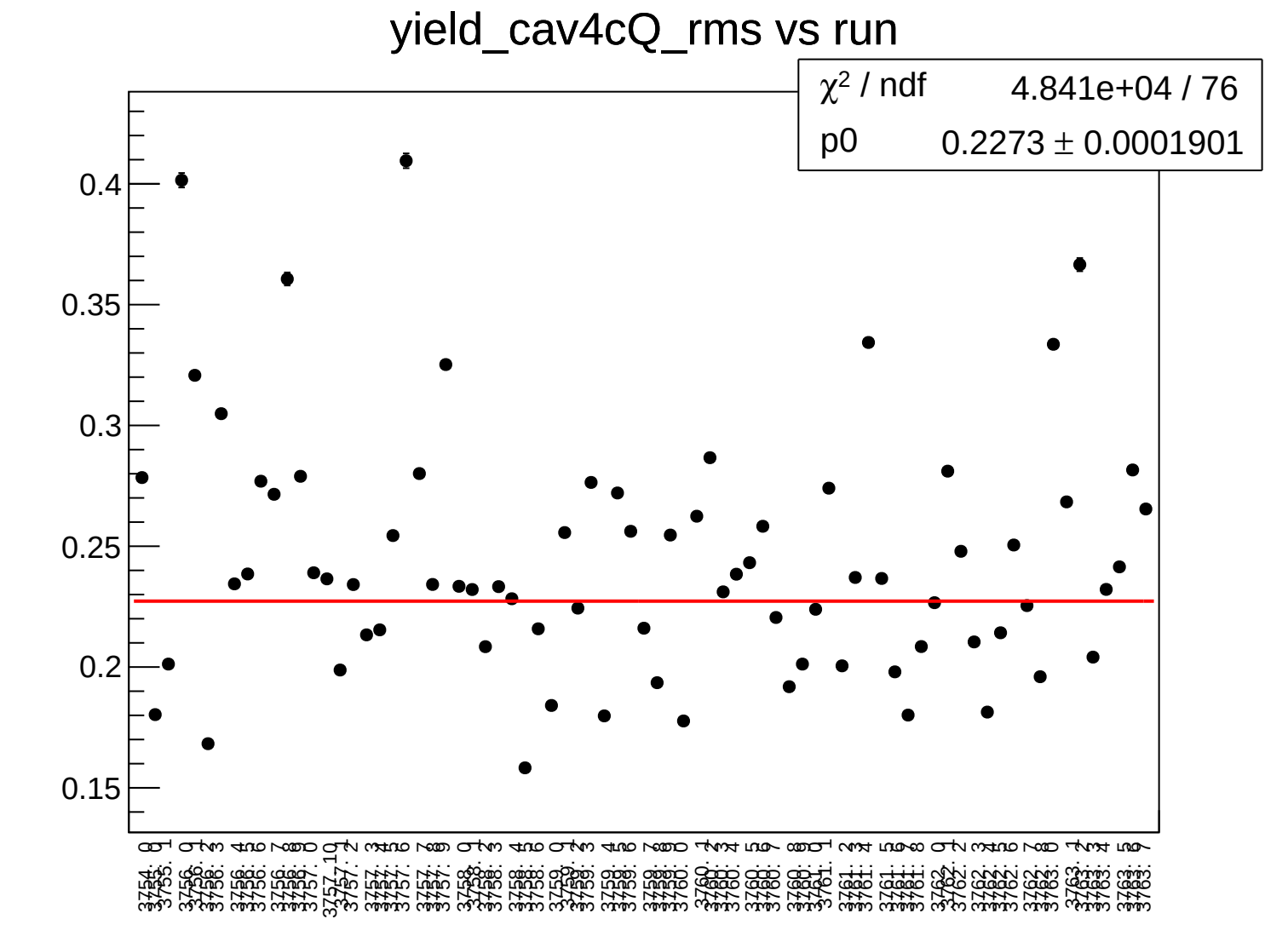

yield_cav4bQ_mean vs run
χ² / ndf 6.515e+06 / 76
p0 400.1± 8.882e−06
400.2
400.1
400
399.9
399.8
399.7
399.6
399.5
pull
Entries 77
Mean −3310
Std Dev 3348
400
200
0
−200
−400

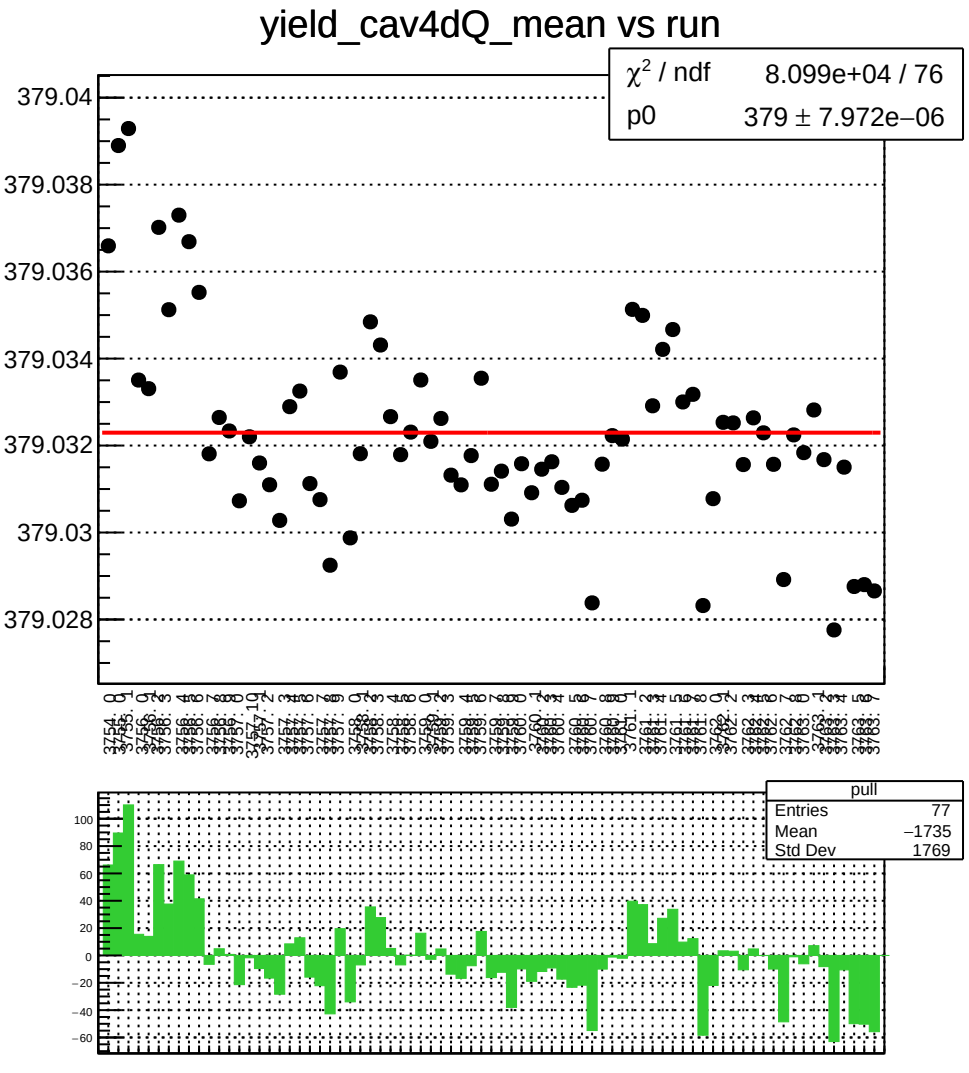

pull1D
Entries 77
Mean −3.762
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

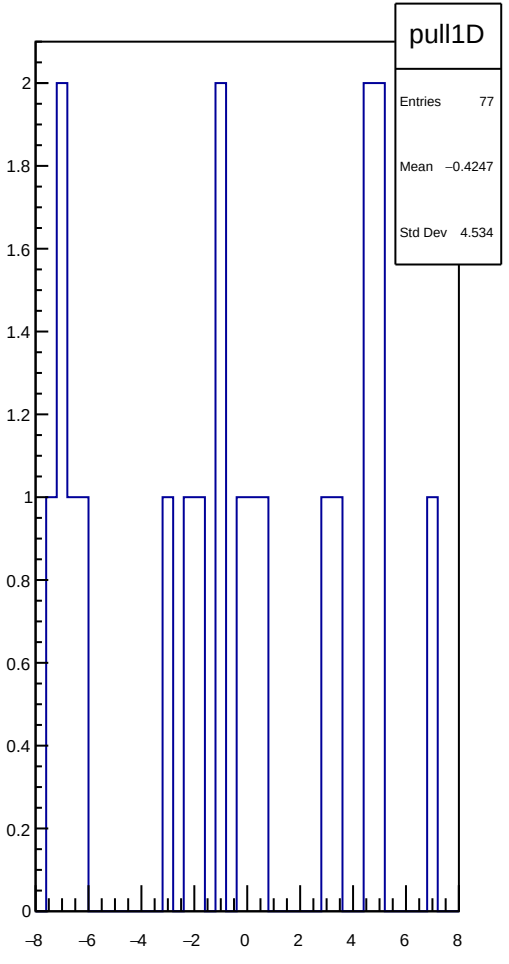

yield_cav4bQ_rms vs run
χ^2 / ndf 2.983e+04 / 76
p0 0.007558 ± 6.281e−06
16
14
12
10
8
6
4
2

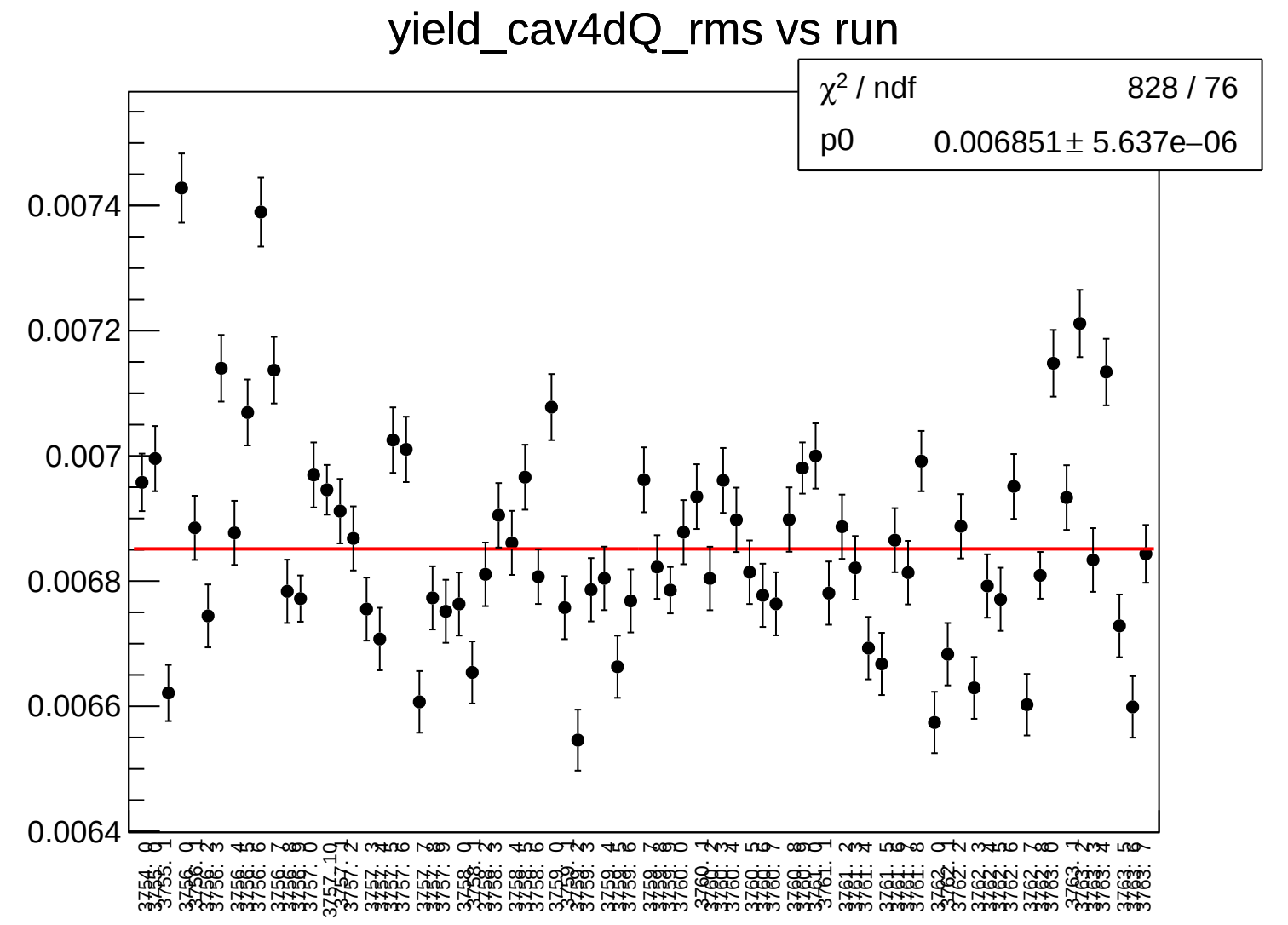

yield_cav4cQ_mean vs run
χ² / ndf 3.773e+05 / 76
p0 69.58 ± 0.0002688
70.1
70
69.9
69.8
69.7
69.6
69.5
69.4
pull
Entries 77
Mean −11.31
Std Dev 58.08
250
200
150
100
50
0
−50
−100

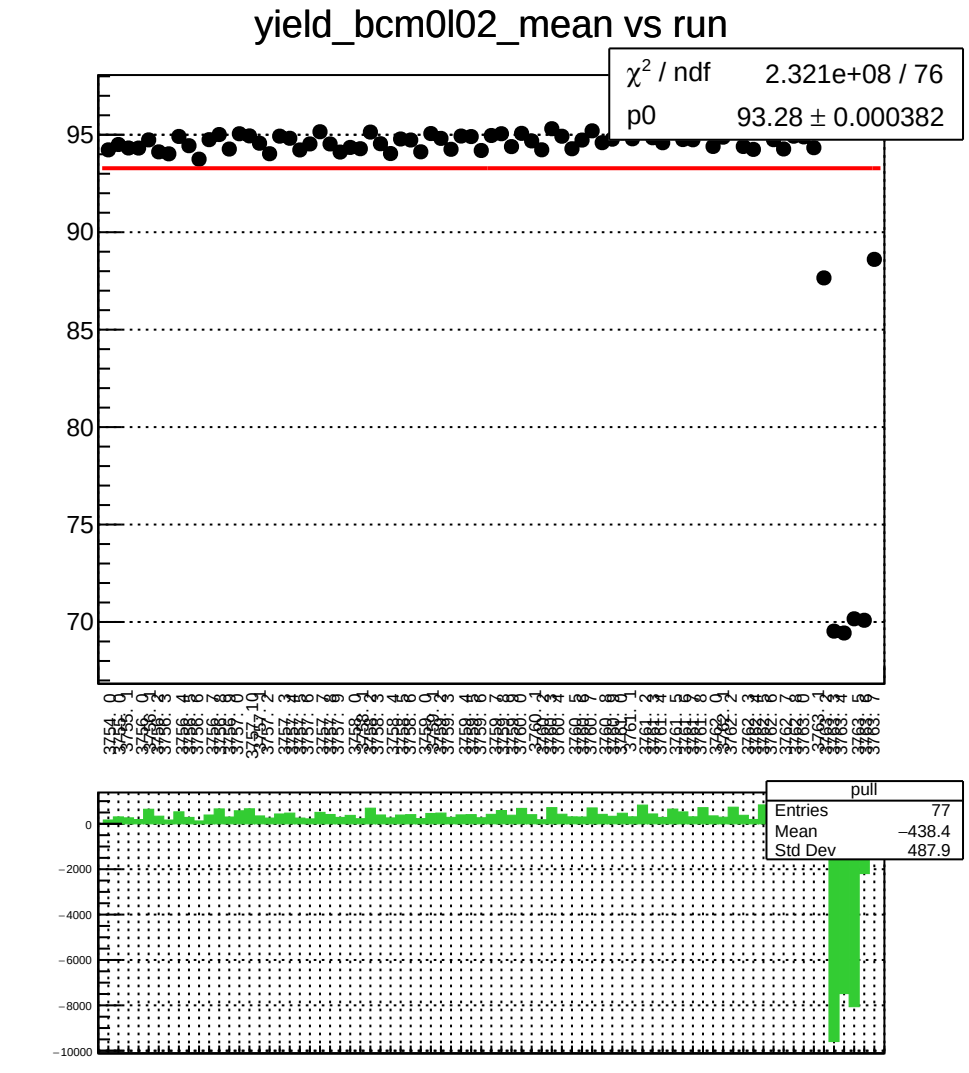

pull1D
Entries 77
Mean −0.573
Std Dev 4.65
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

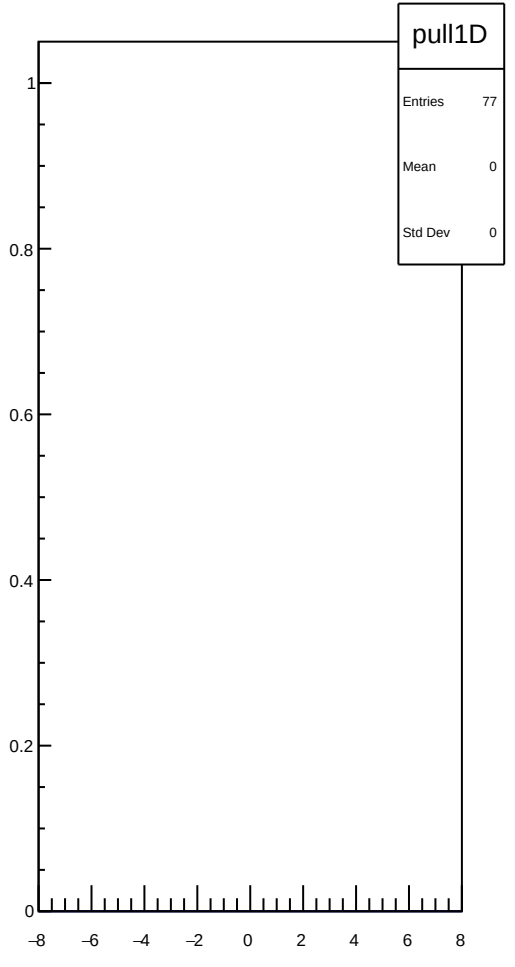

yield_cav4cQ_rms vs run
χ² / ndf 4.841e+04 / 76
p0 0.2273 ± 0.0001901
0.4
0.35
0.3
0.25
0.2
0.15

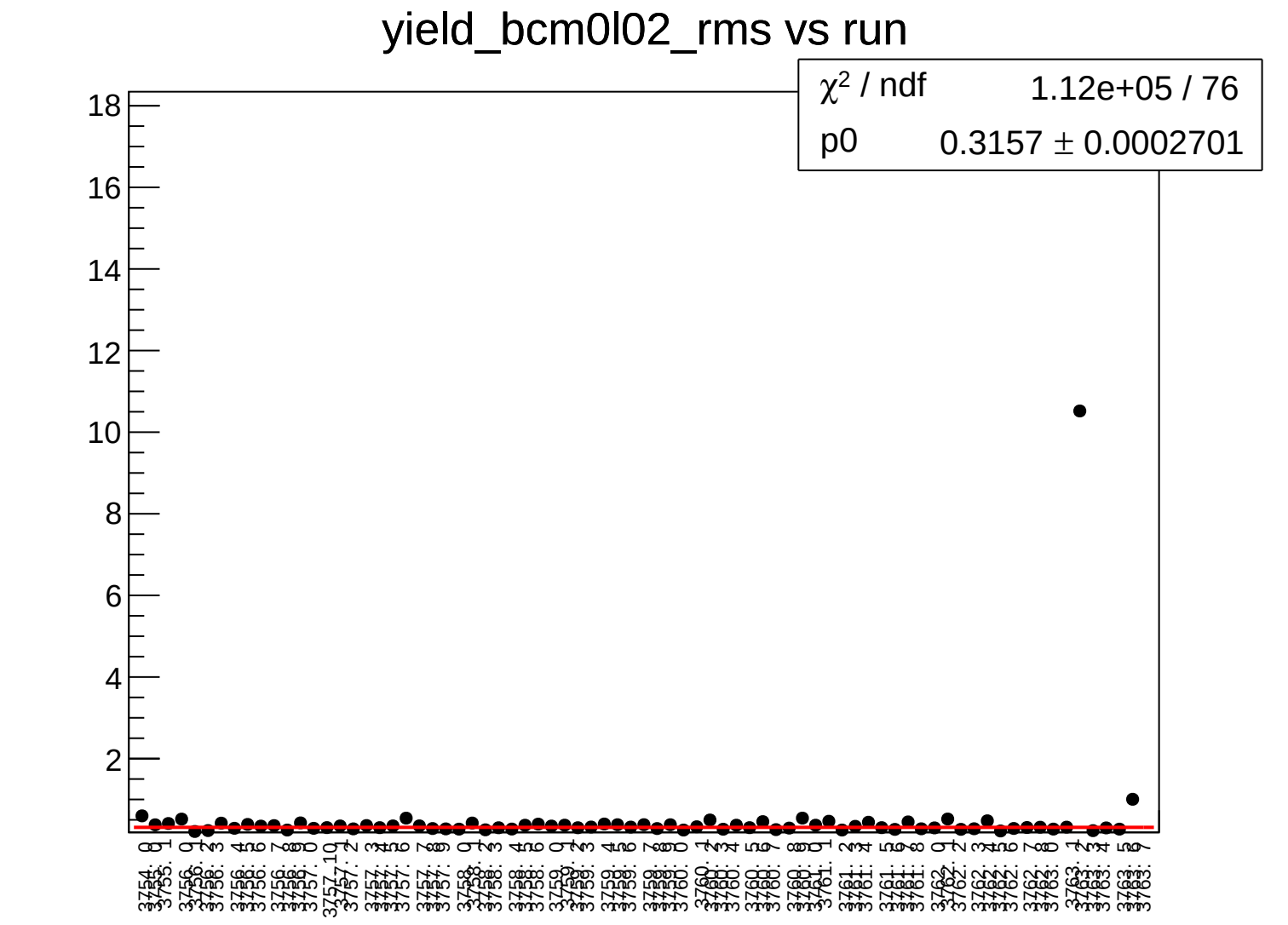

yield_cav4dQ_mean vs run
χ² / ndf 8.099e+04 / 76
p0 379 ± 7.972e−06
379.04
379.038
379.036
379.034
379.032
379.03
379.028
pull
Entries 77
Mean −1735
Std Dev 1769
100
80
60
40
20
0
−20
−40
−60

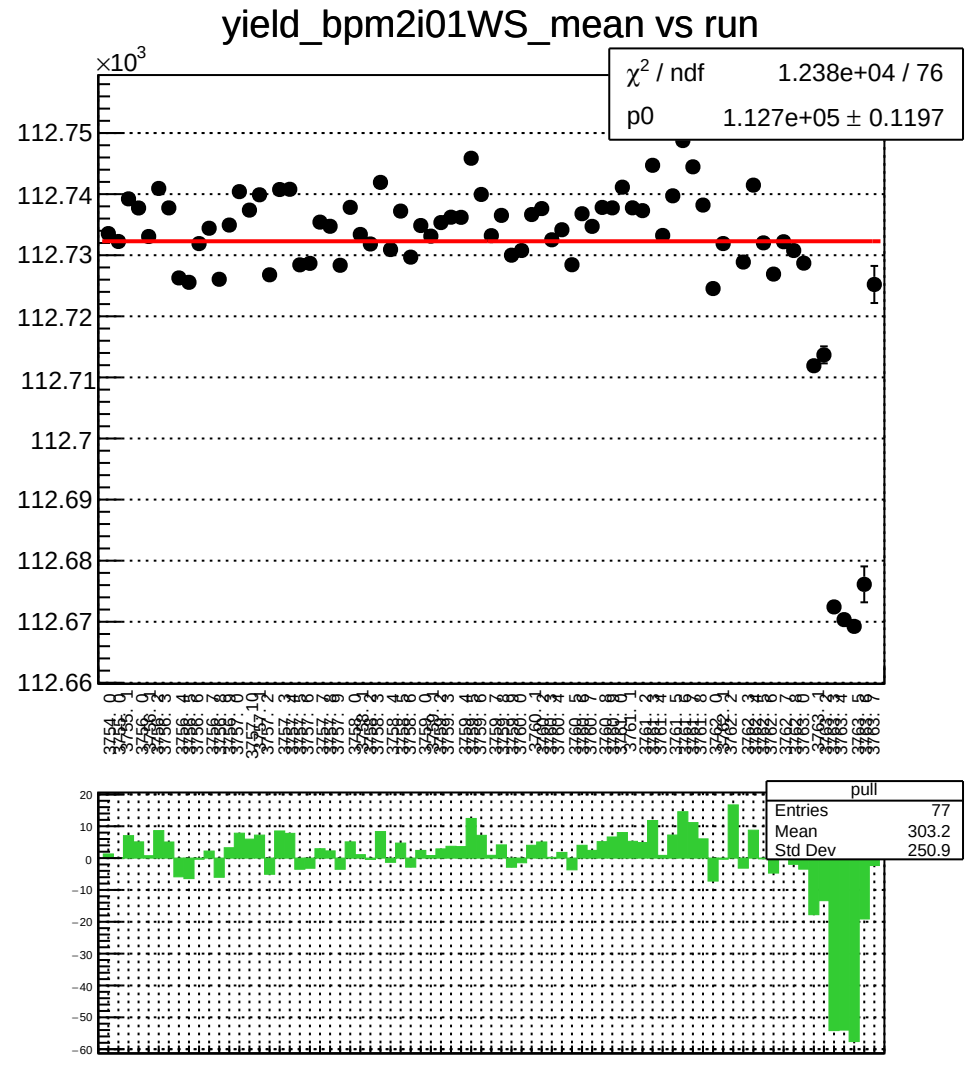

pull1D
Entries 77
Mean −0.4247
Std Dev 4.534
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

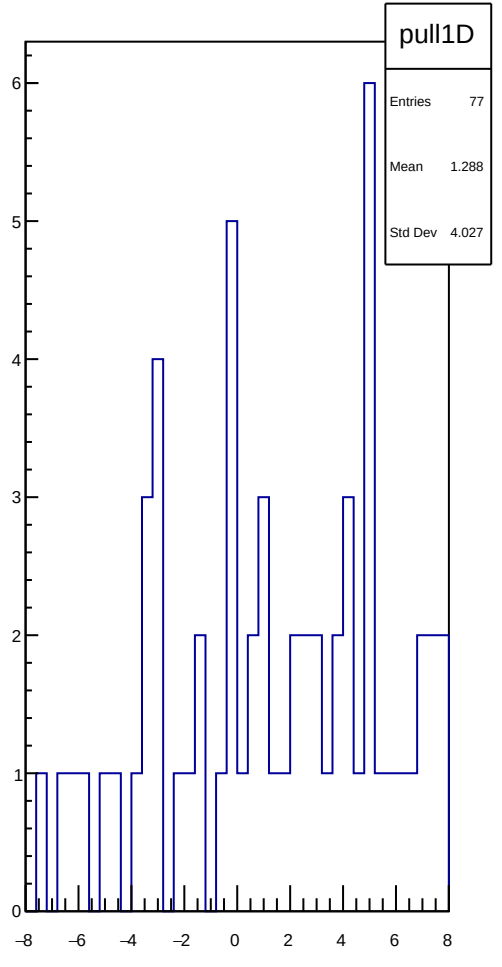

yield_cav4dQ_rms vs run
χ² / ndf 828 / 76
p0 0.006851 ± 5.637e−06
0.0074
0.0072
0.007
0.0068
0.0066
0.0064

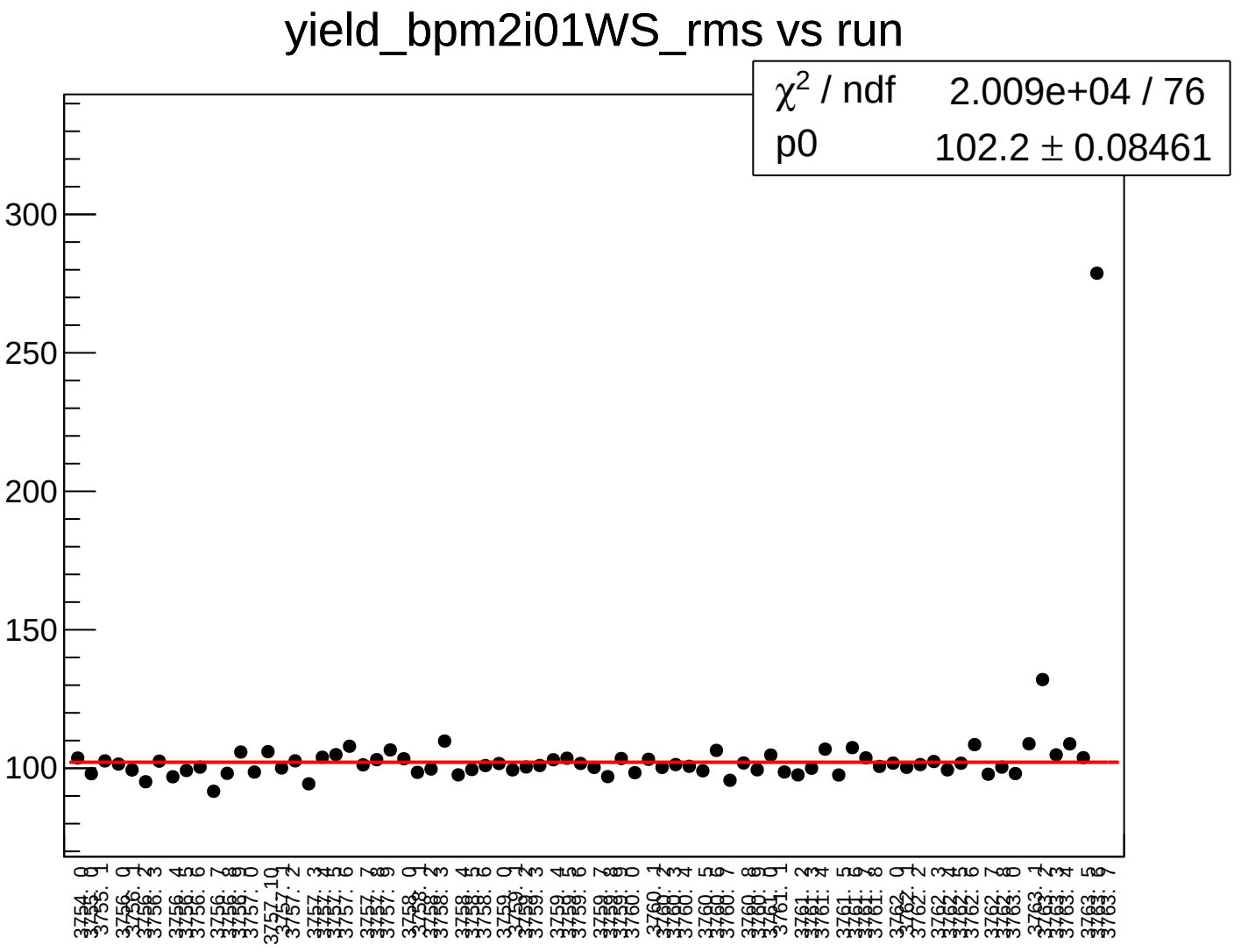

yield_bcm0l02_mean vs run
χ² / ndf 2.321e+08 / 76
p0 93.28 ± 0.000382
95
90
85
80
75
70
pull
Entries 77
Mean −438.4
Std Dev 487.9
0
−2000
−4000
−6000
−8000
−10000

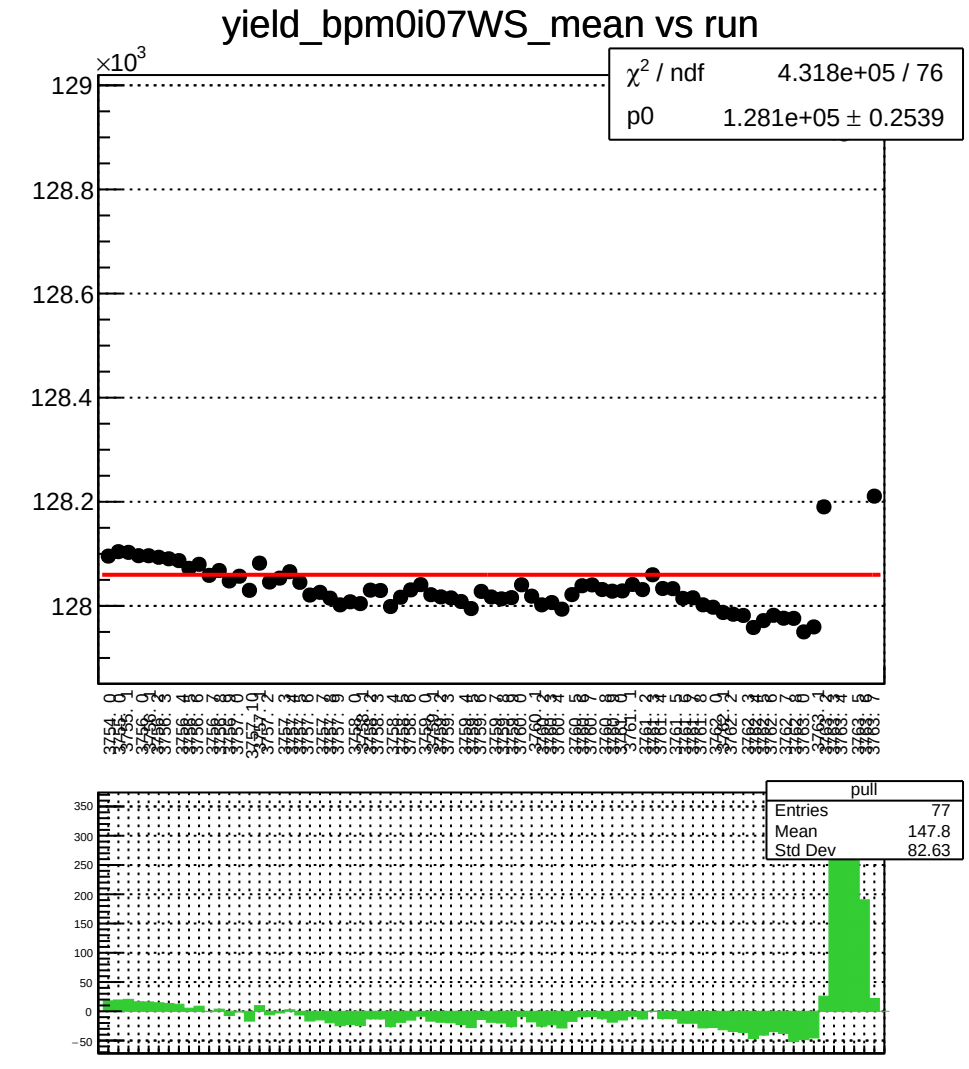

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

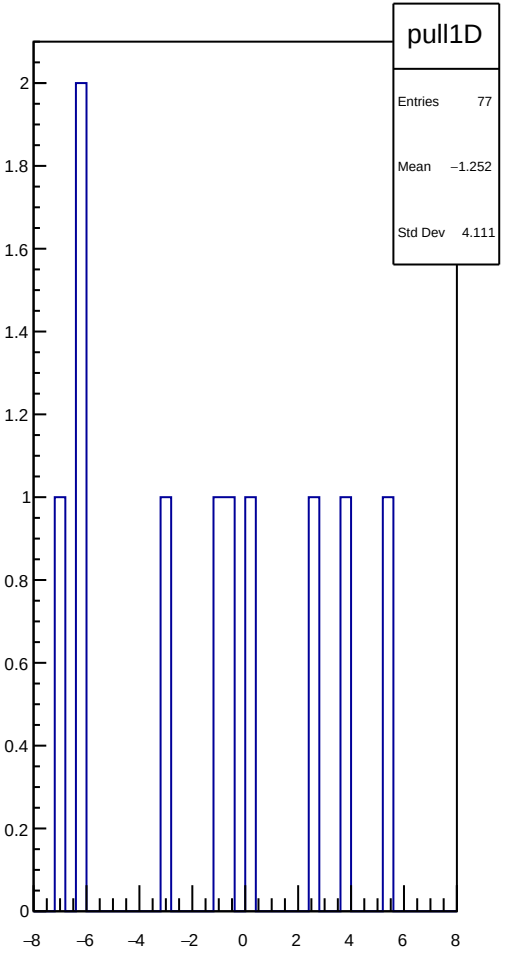

yield_bcm0l02_rms vs run
χ^2 / ndf 1.12e+05 / 76
p0 0.3157 ± 0.0002701
18
16
14
12
10
8
6
4
2

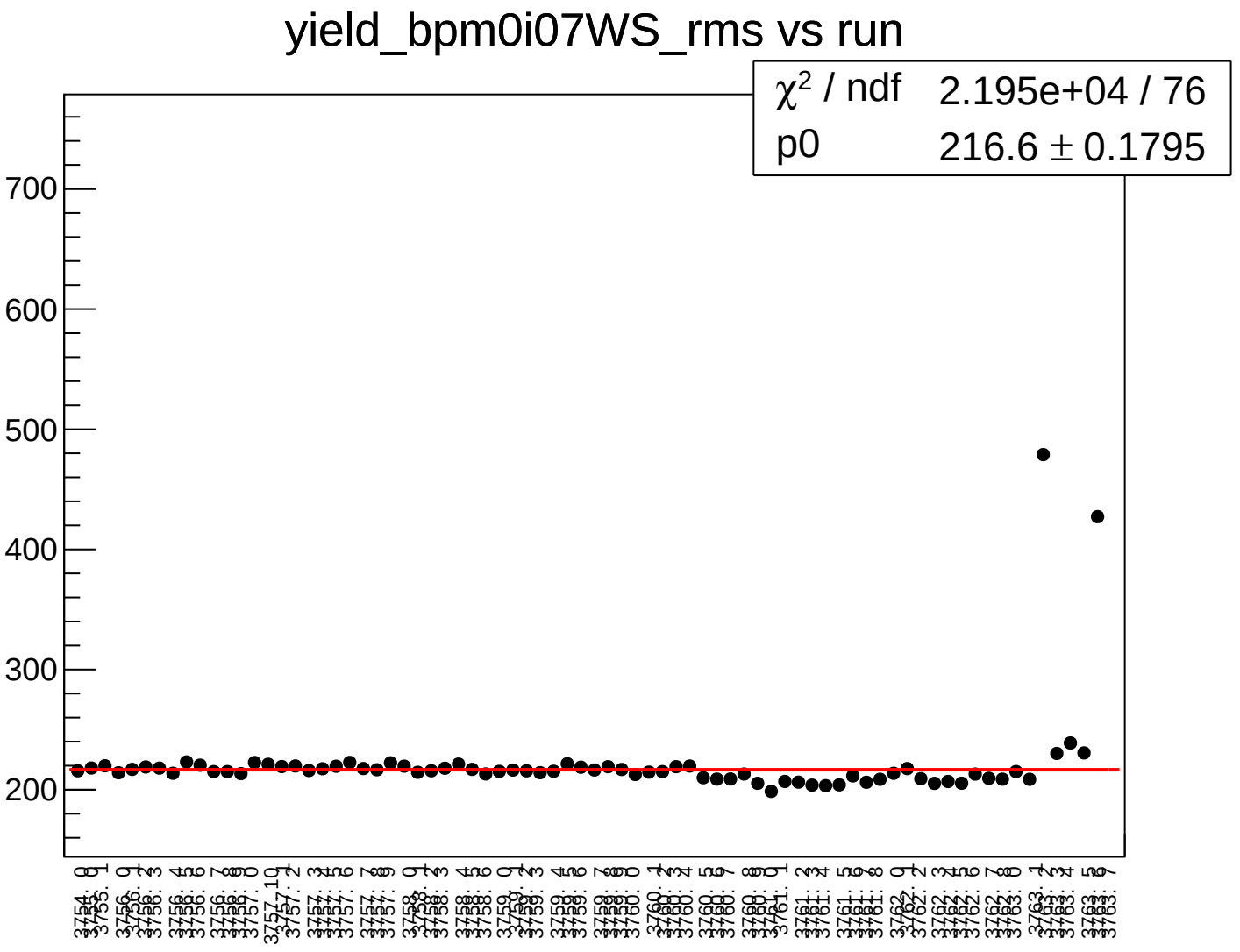

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1.238e+04 / 76
p0 1.127e+05 ± 0.1197
112.75
112.74
112.73
112.72
112.71
112.7
112.69
112.68
112.67
112.66
pull
Entries 77
Mean 303.2
Std Dev 250.9
20
10
0
−10
−20
−30
−40
−50
−60

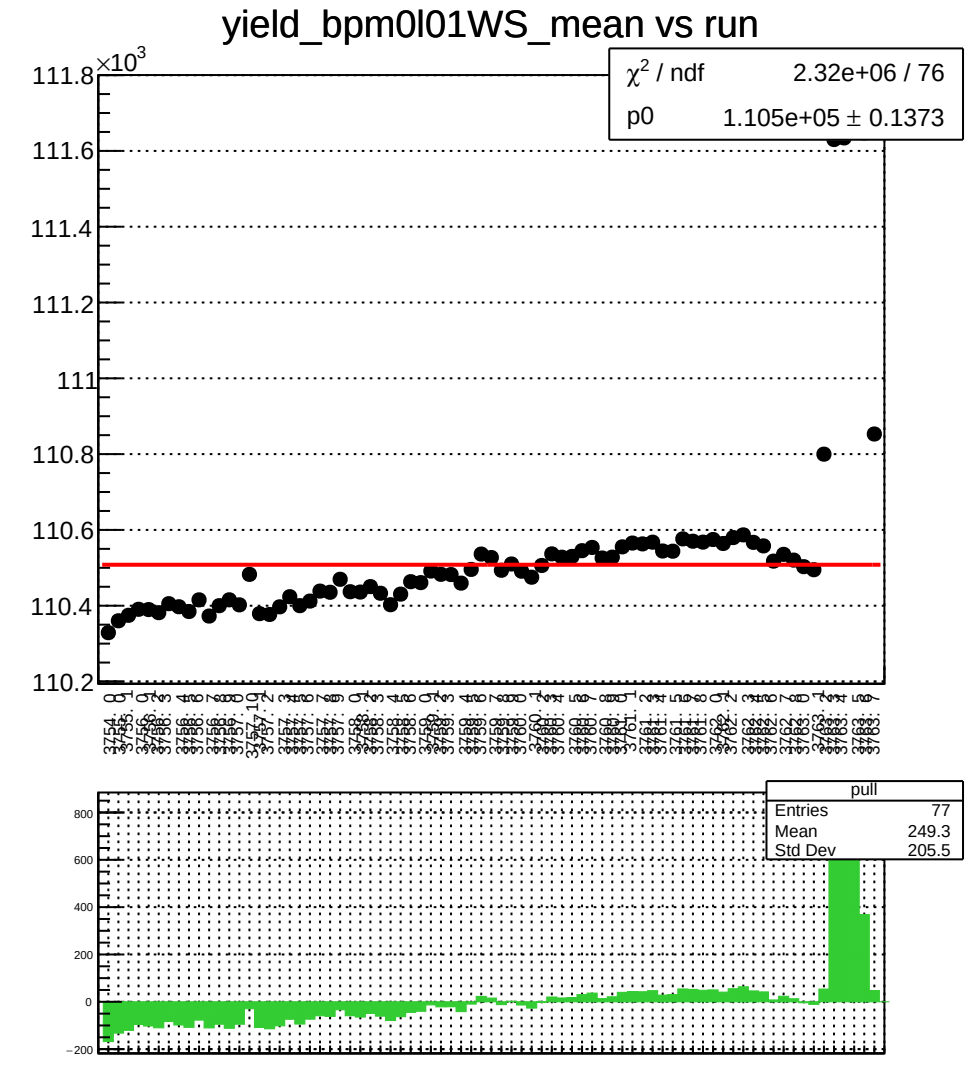

pull1D
Entries 77
Mean 1.288
Std Dev 4.027
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

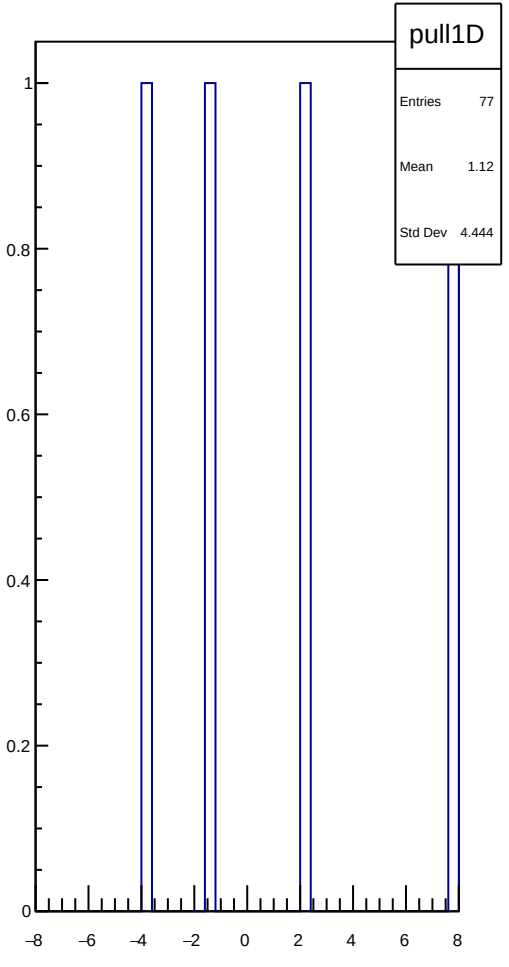

yield_bpm2i01WS_rms vs run
χ² / ndf 2.009e+04 / 76
p0 102.2 ± 0.08461
300
250
200
150
100

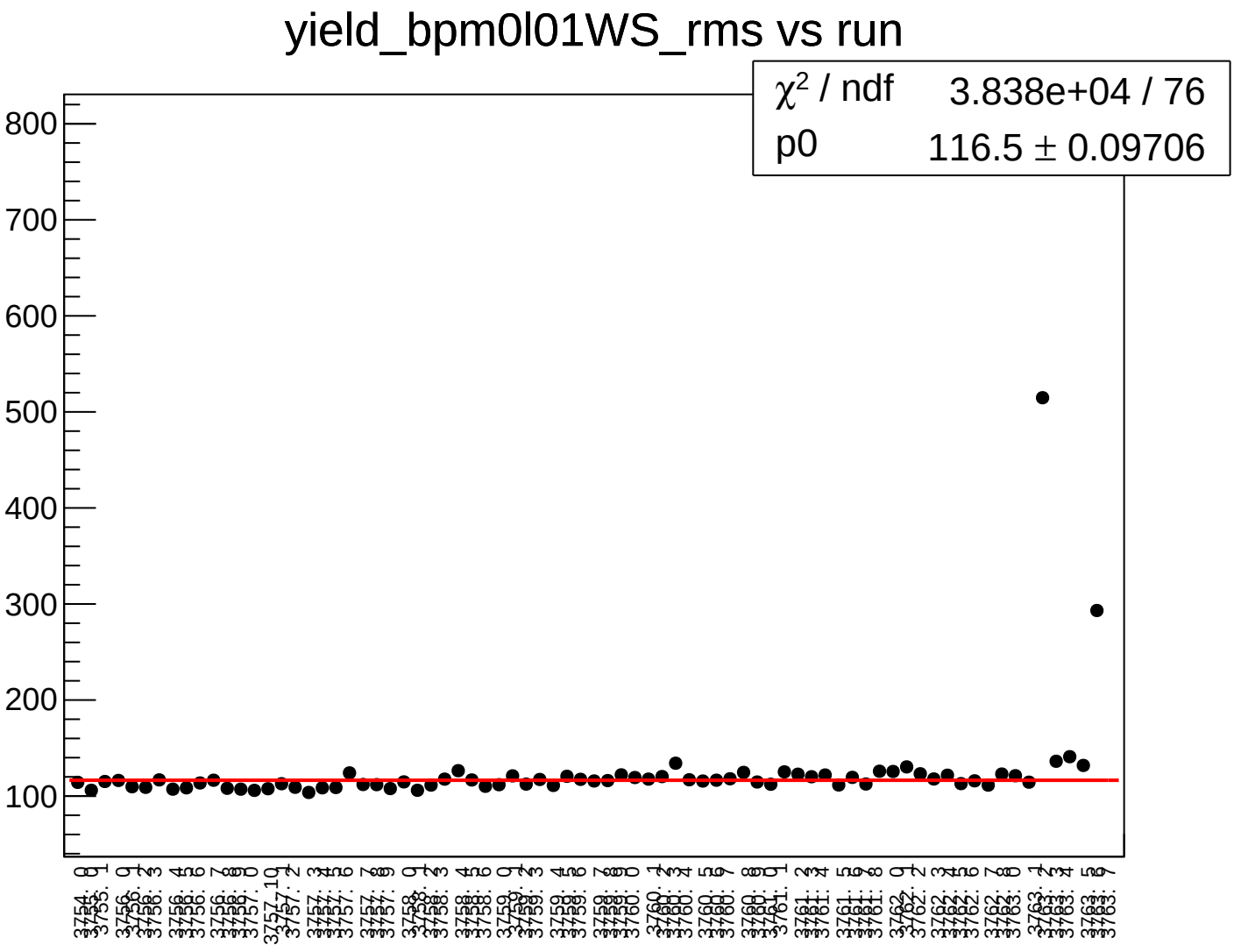

yield_bpm0i07WS_mean vs run
×10^3
129
128.8
128.6
128.4
128.2
128
χ² / ndf 4.318e+05 / 76
p0 1.281e+05 ± 0.2539
pull
Entries 77
Mean 147.8
Std Dev 82.63
350
300
250
200
150
100
50
0
−50

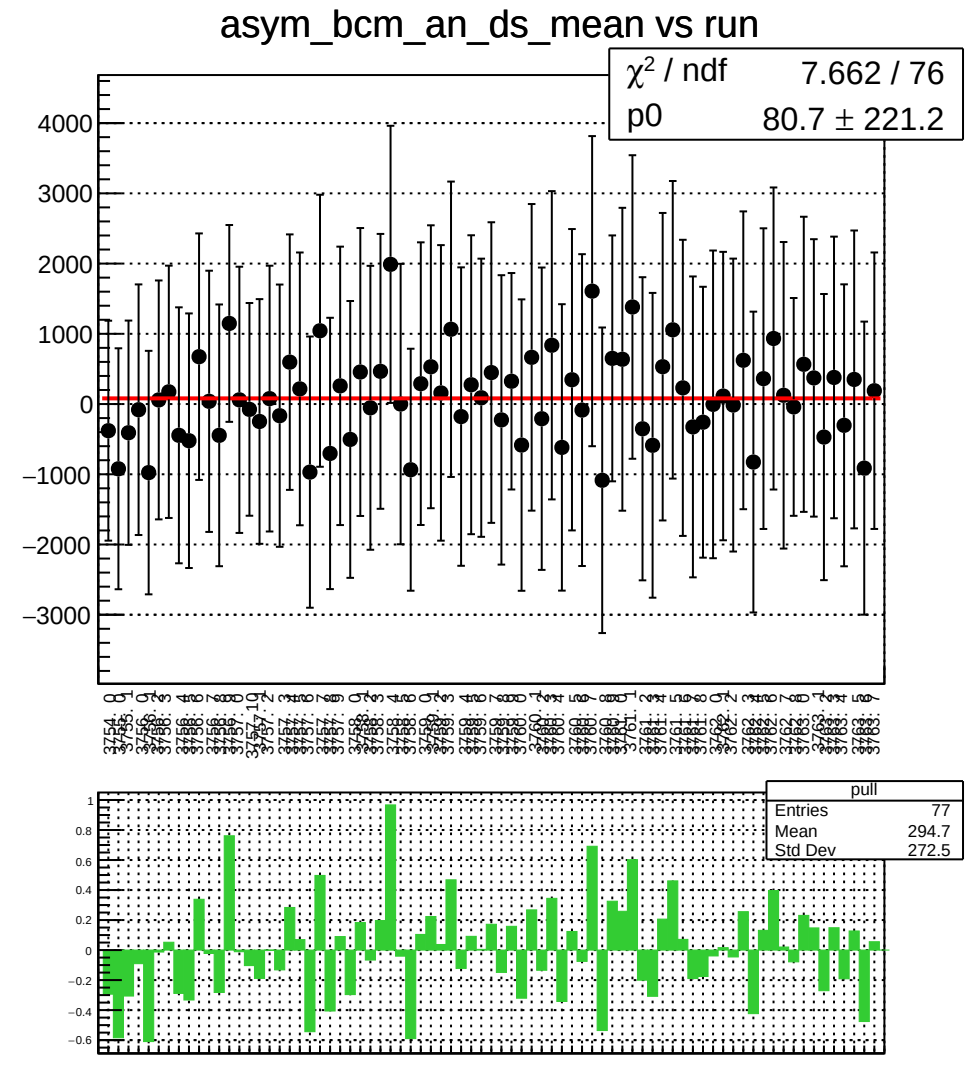

pull1D
Entries 77
Mean −1.252
Std Dev 4.111
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

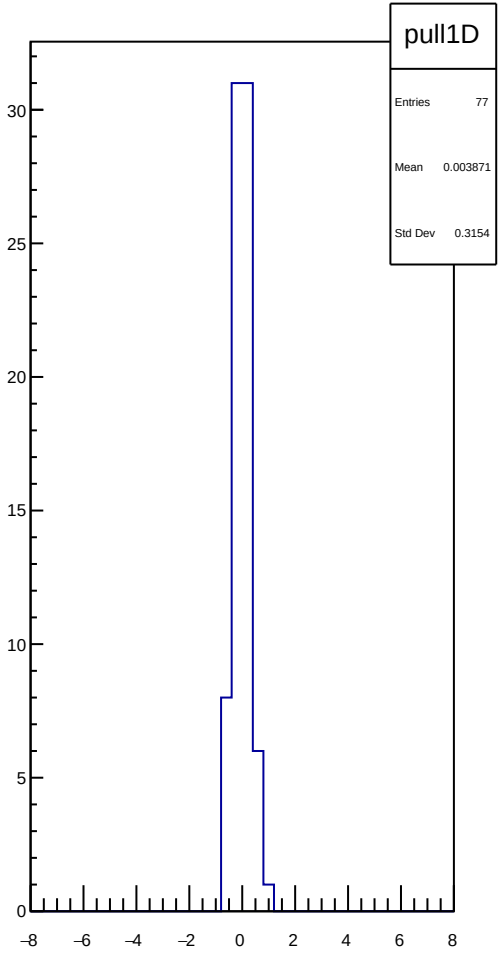

yield_bpm0i07WS_rms vs run
χ² / ndf 2.195e+04 / 76
p0 216.6 ± 0.1795
700
600
500
400
300
200

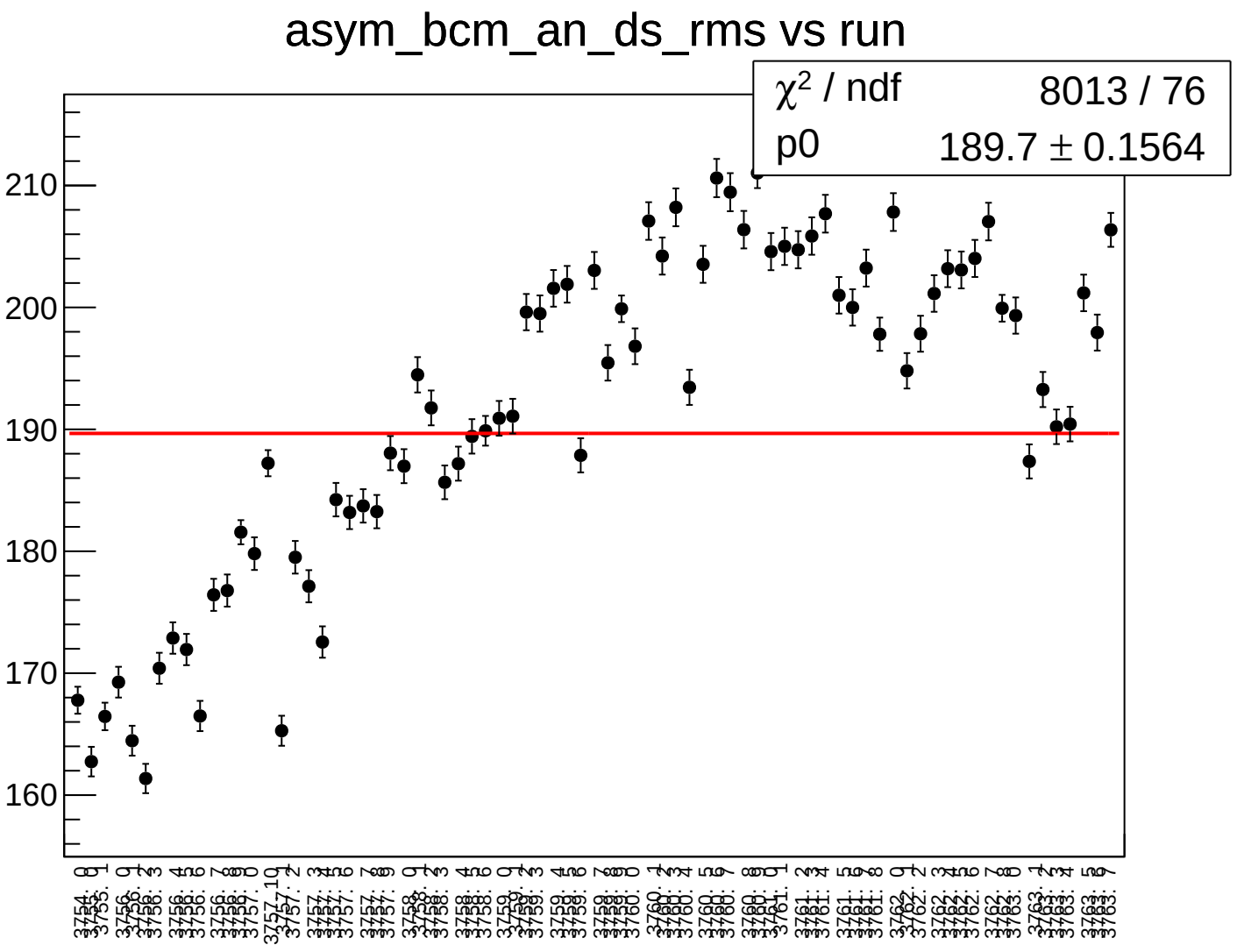

yield_bpm0l01WS_mean vs run
χ² / ndf 2.32e+06 / 76
p0 1.105e+05 ± 0.1373
×10³
111.8
111.6
111.4
111.2
111
110.8
110.6
110.4
110.2
pull
Entries 77
Mean 249.3
Std Dev 205.5
800
600
400
200
0
−200

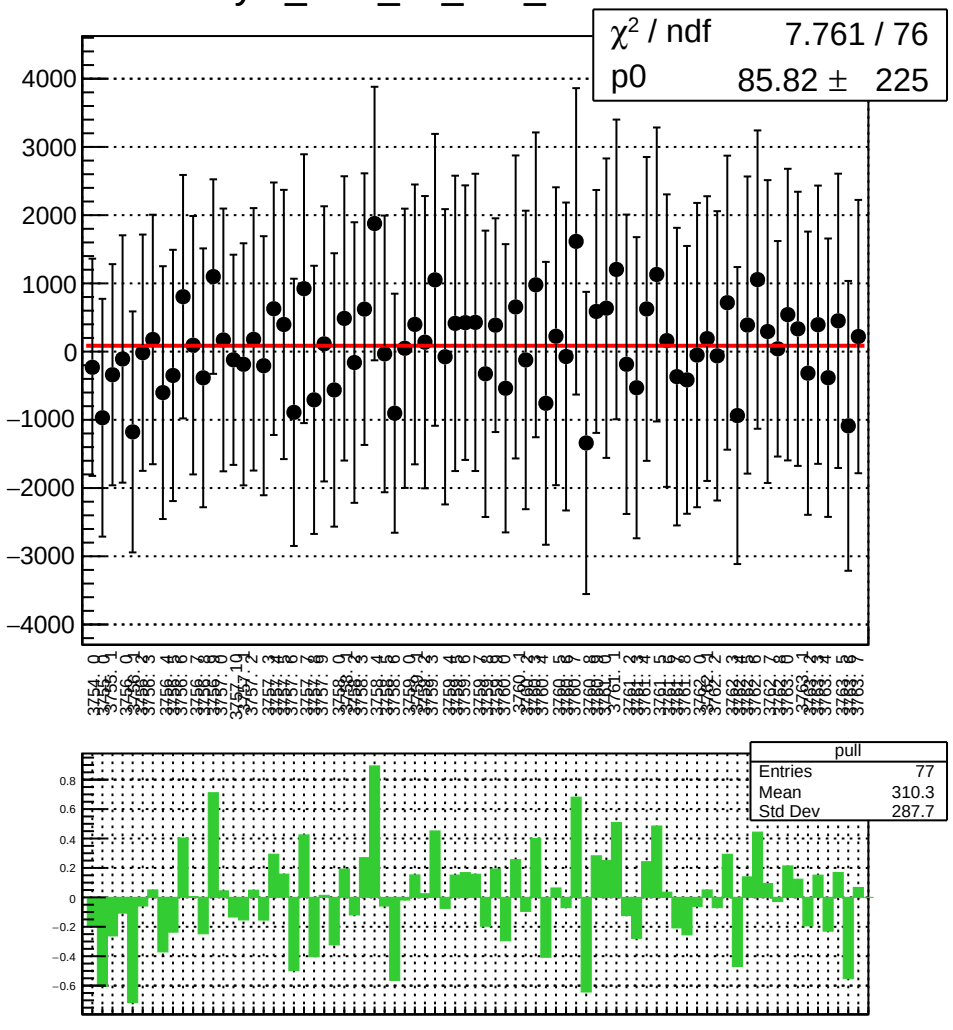

pull1D
Entries 77
Mean 1.12
Std Dev 4.444
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

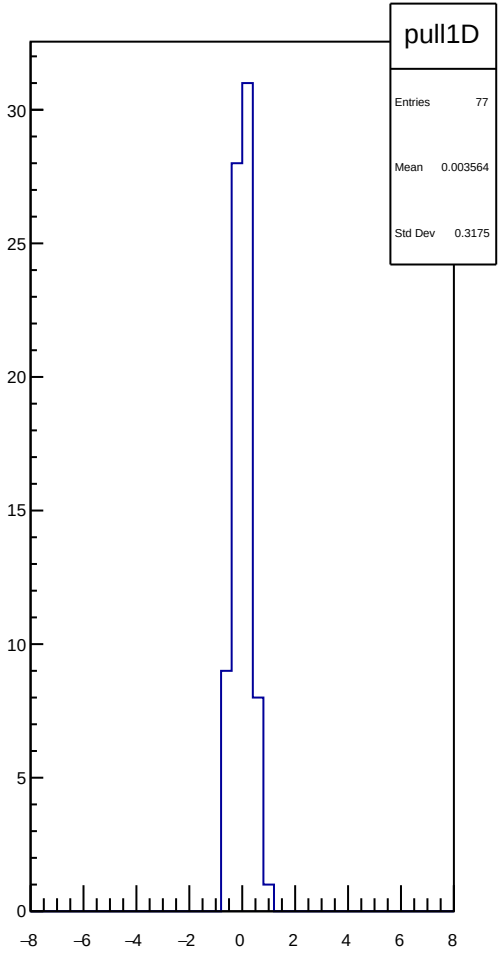

yield_bpm0l01WS_rms vs run
χ² / ndf 3.838e+04 / 76
p0 116.5 ± 0.09706
800
700
600
500
400
300
200
100

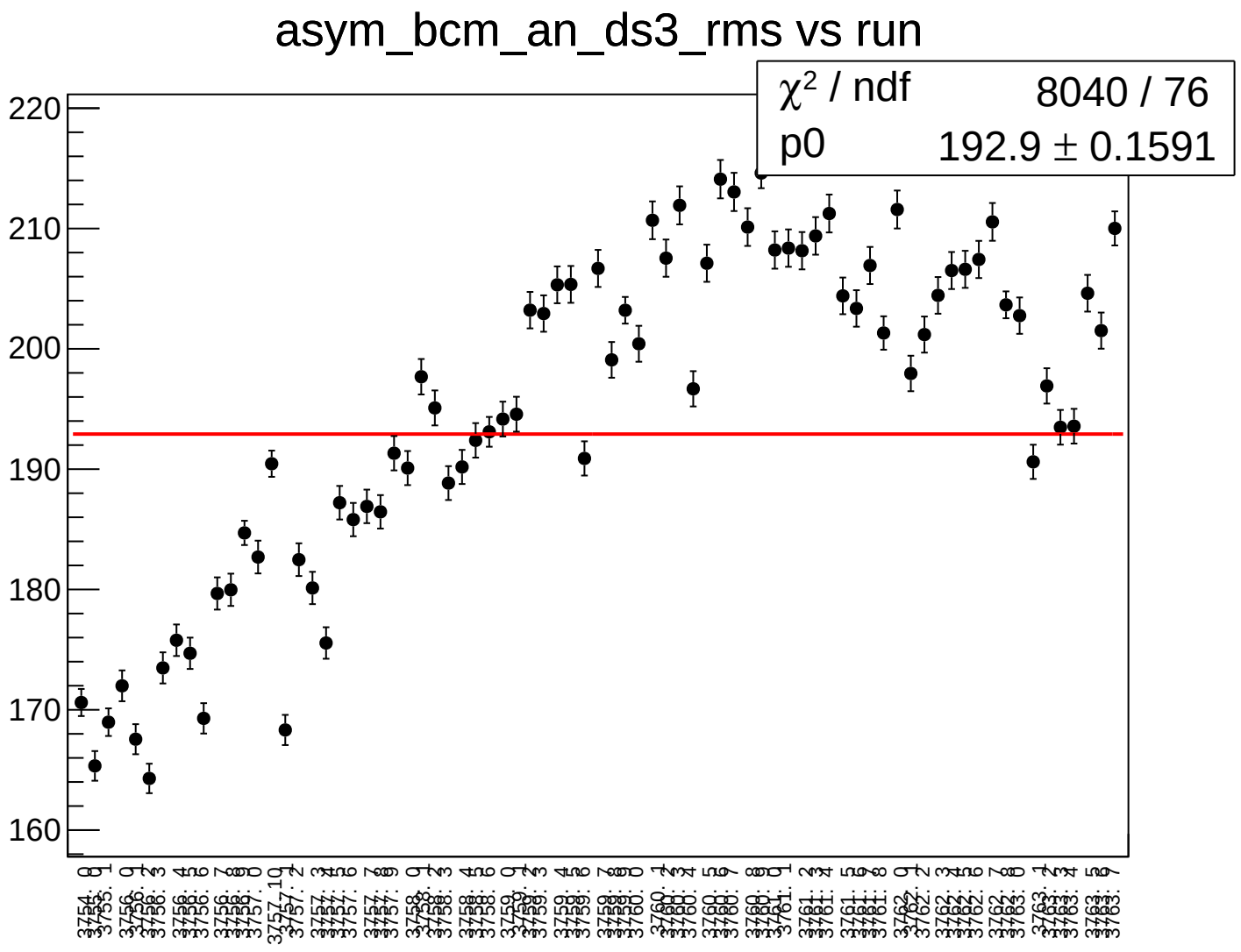

asym_bcm_an_ds_mean vs run
χ² / ndf 7.662 / 76
p0 80.7 ± 221.2
pull
Entries 77
Mean 294.7
Std Dev 272.5

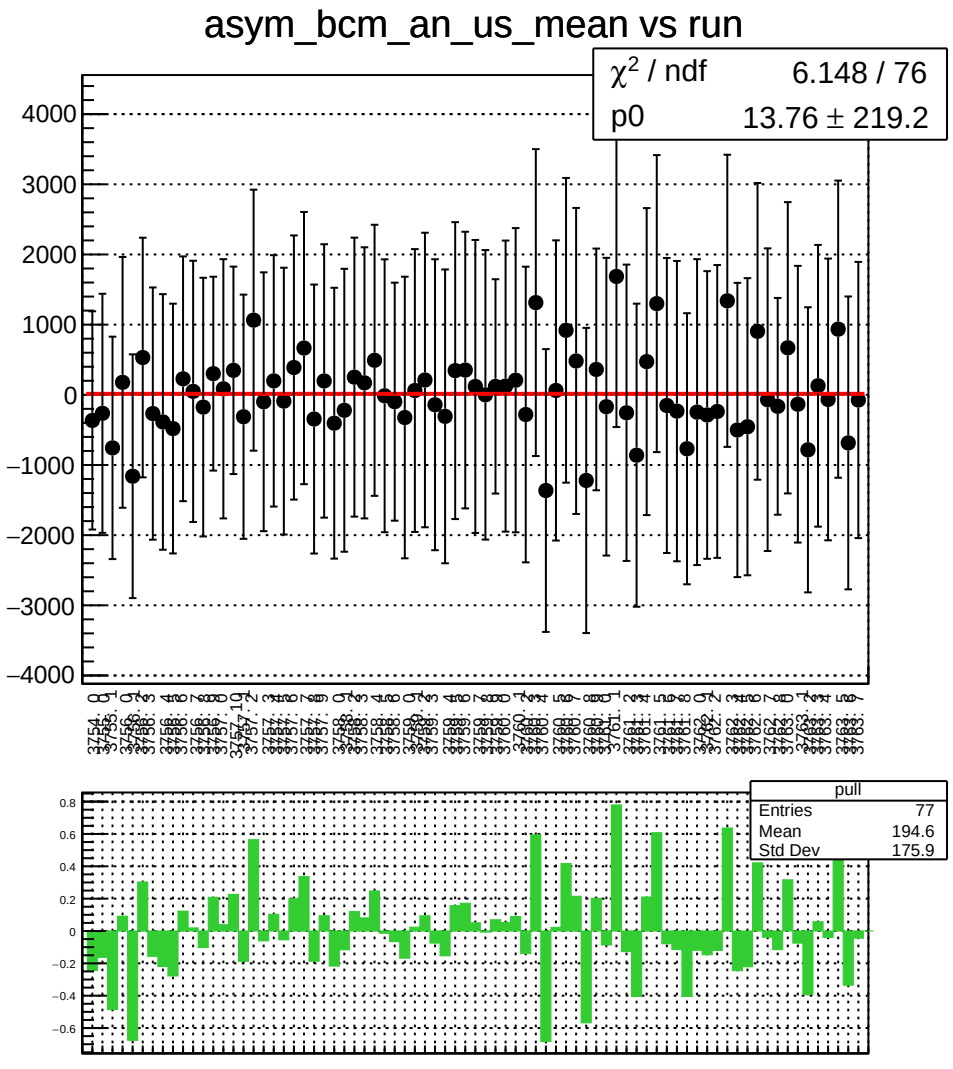

pull1D
Entries 77
Mean 0.003871
Std Dev 0.3154

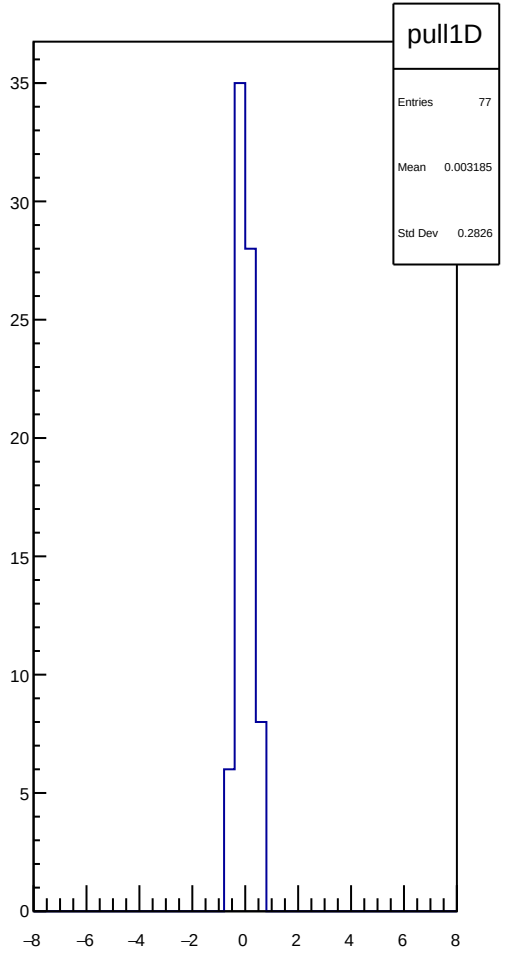

asym_bcm_an_ds_rms vs run
χ² / ndf 8013 / 76
p0 189.7 ± 0.1564
210
200
190
180
170
160

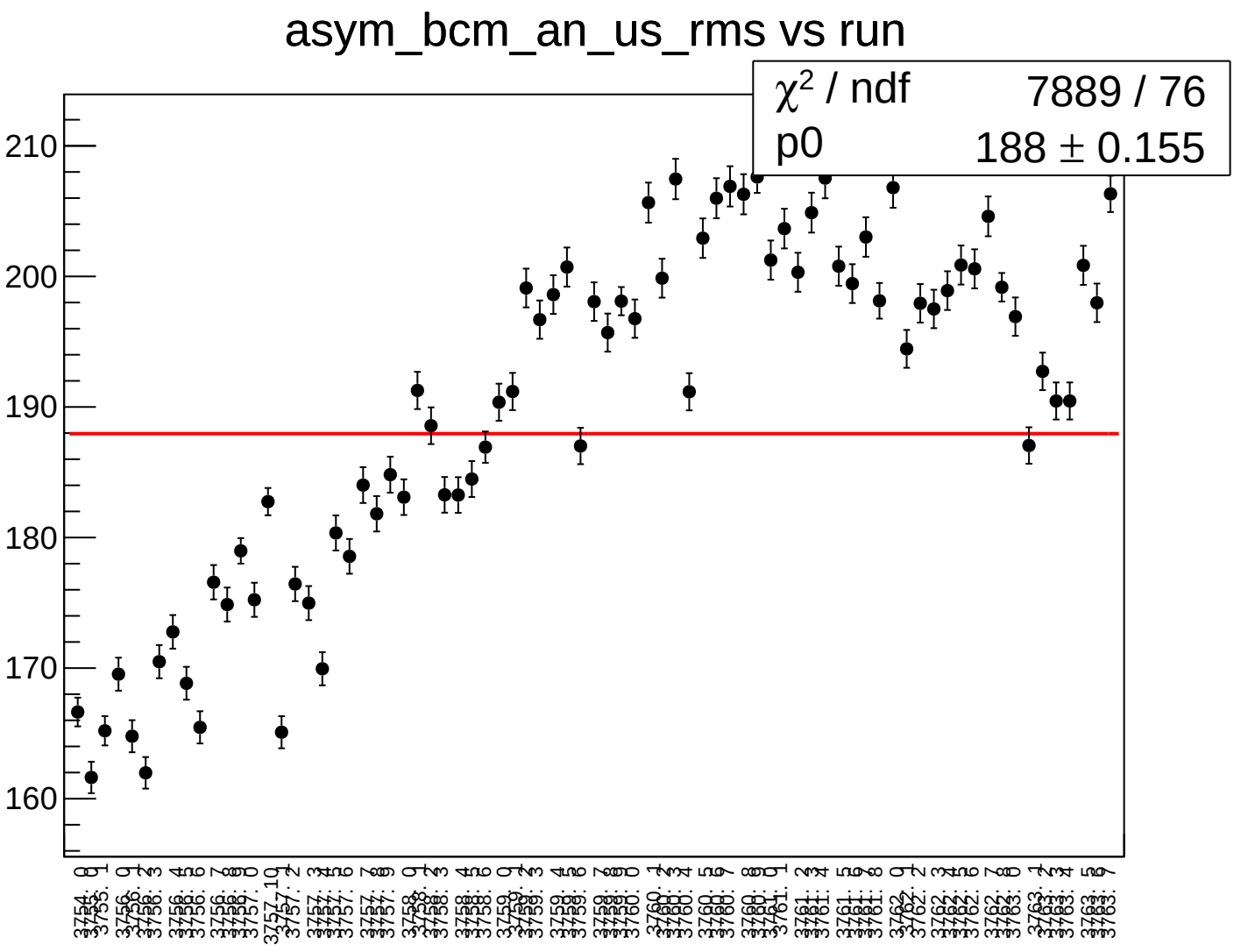

asym_bcm_an_ds3_mean vs run
χ² / ndf 7.761 / 76
p0 85.82 ± 225
pull
Entries 77
Mean 310.3
Std Dev 287.7

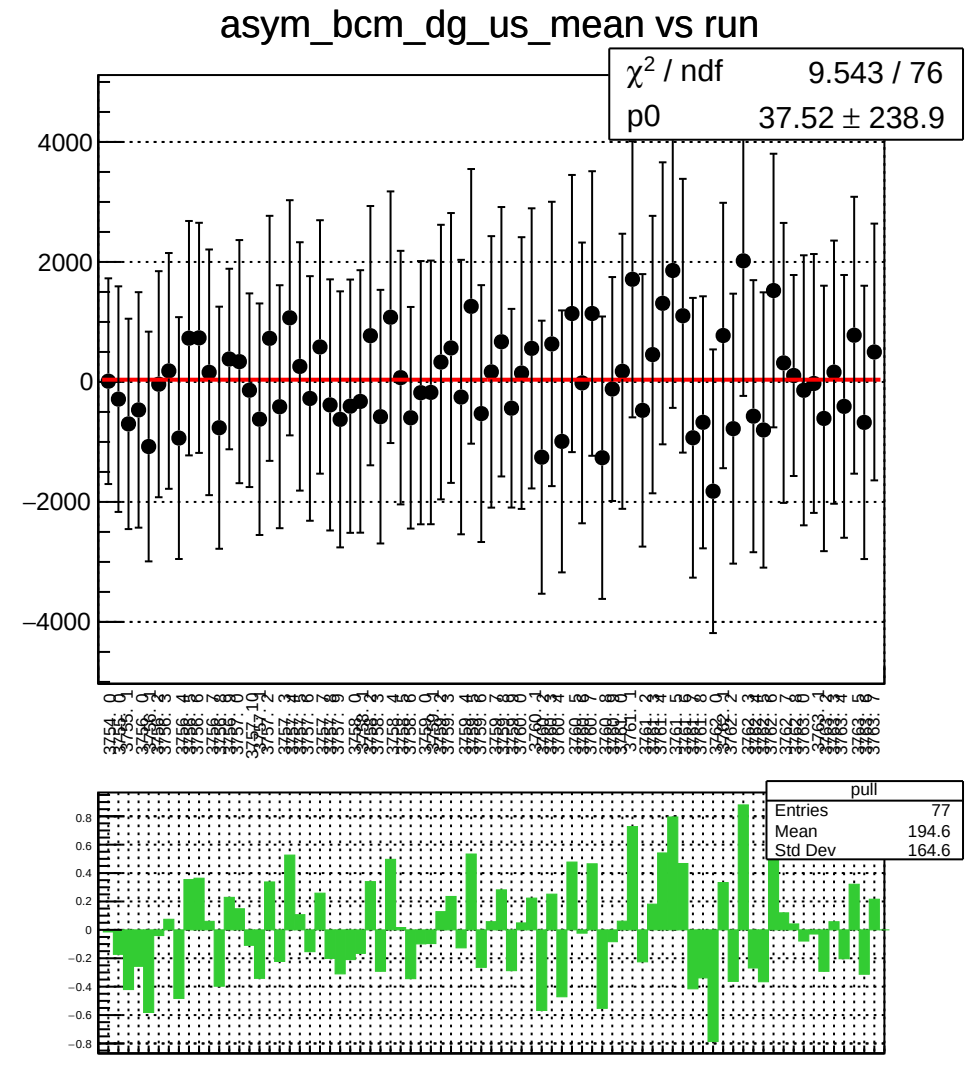

pull1D
Entries 77
Mean 0.003564
Std Dev 0.3175

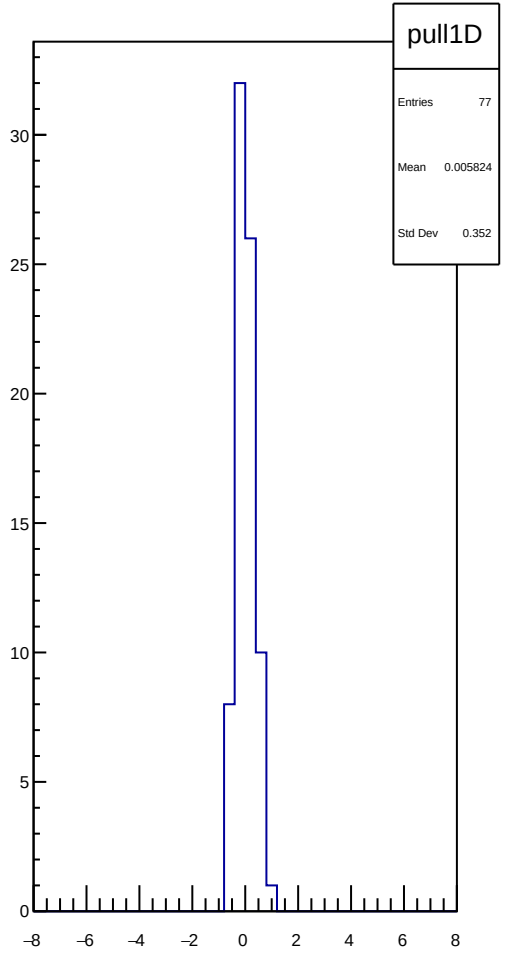

asym_bcm_an_ds3_rms vs run
χ² / ndf 8040 / 76
p0 192.9 ± 0.1591
220
210
200
190
180
170
160

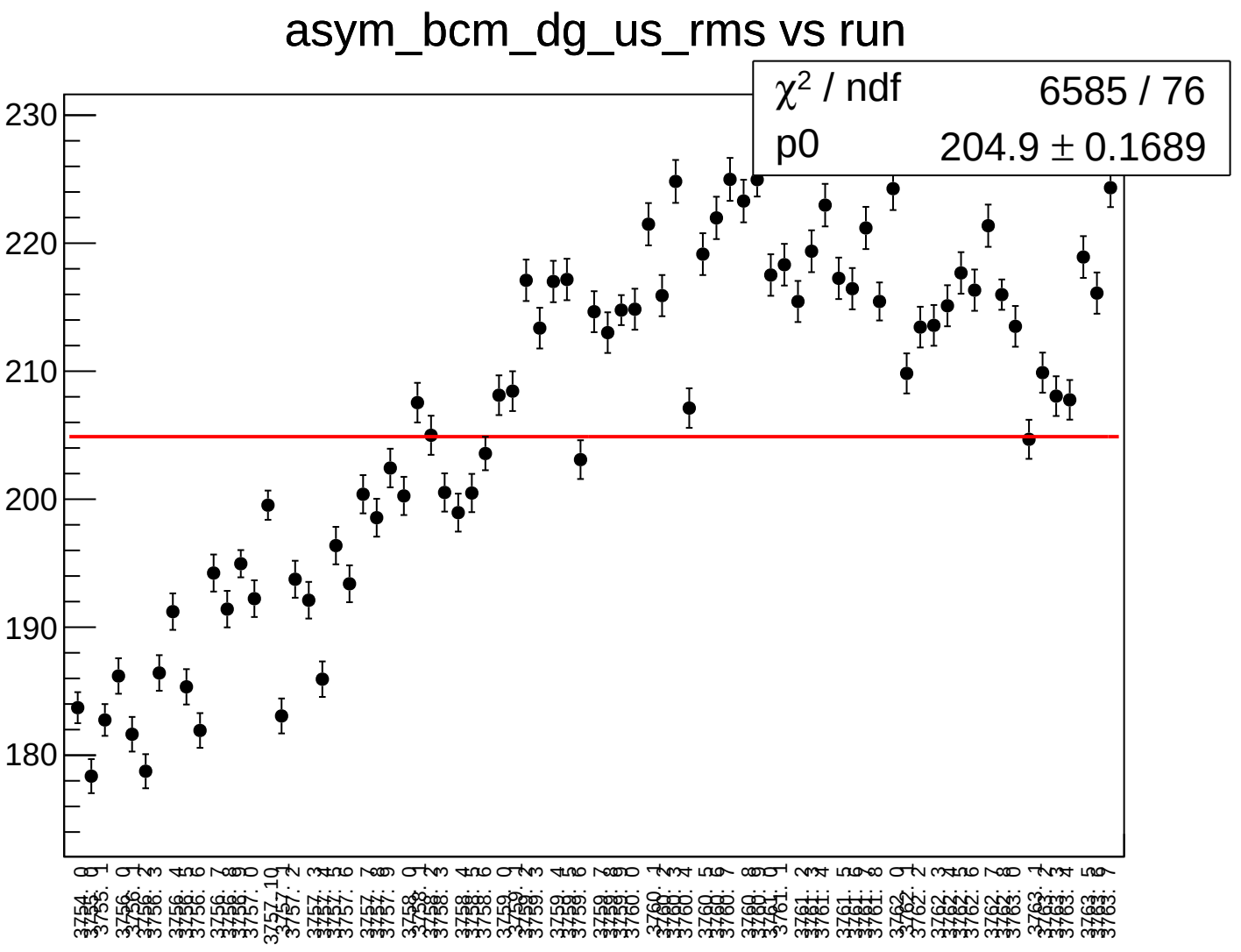

asym_bcm_an_us_mean vs run
χ² / ndf 6.148 / 76
p0 13.76 ± 219.2
pull
Entries 77
Mean 194.6
Std Dev 175.9

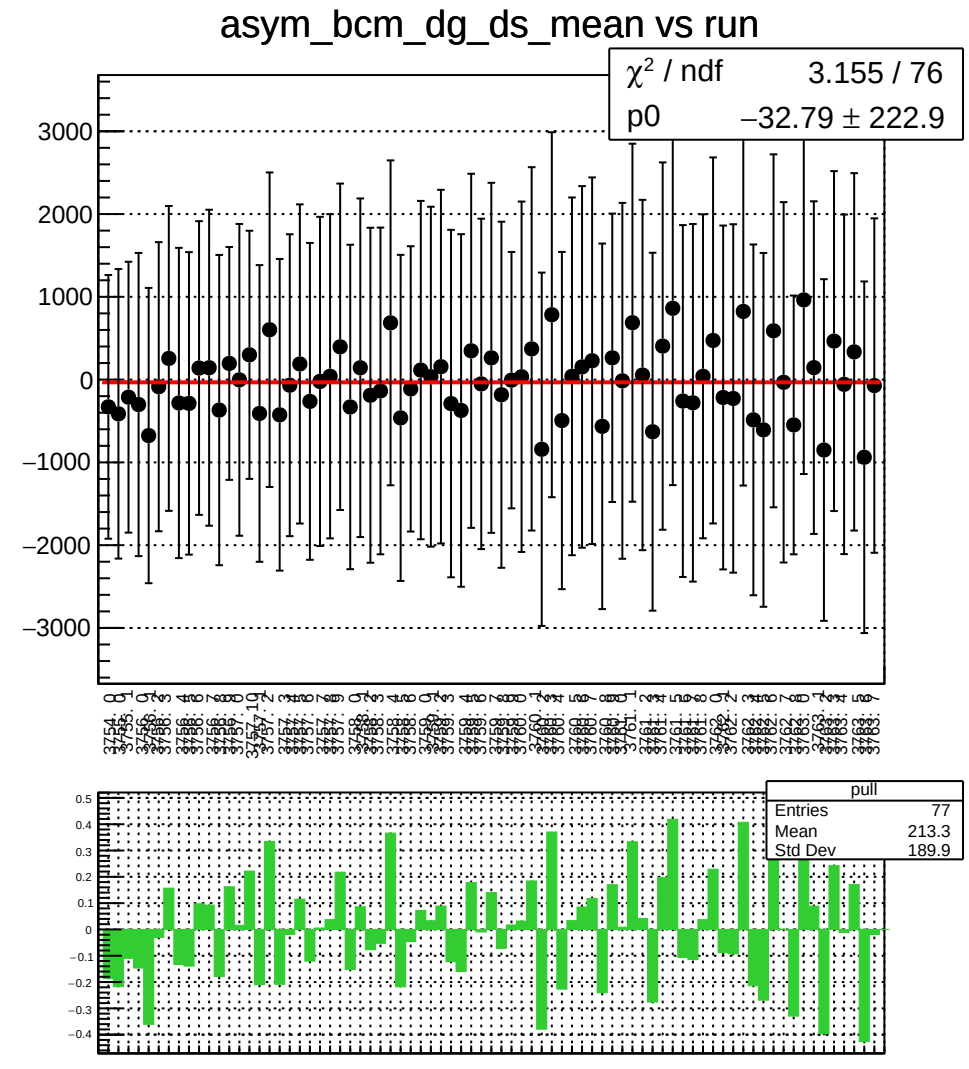

pull1D
Entries 77
Mean 0.003185
Std Dev 0.2826

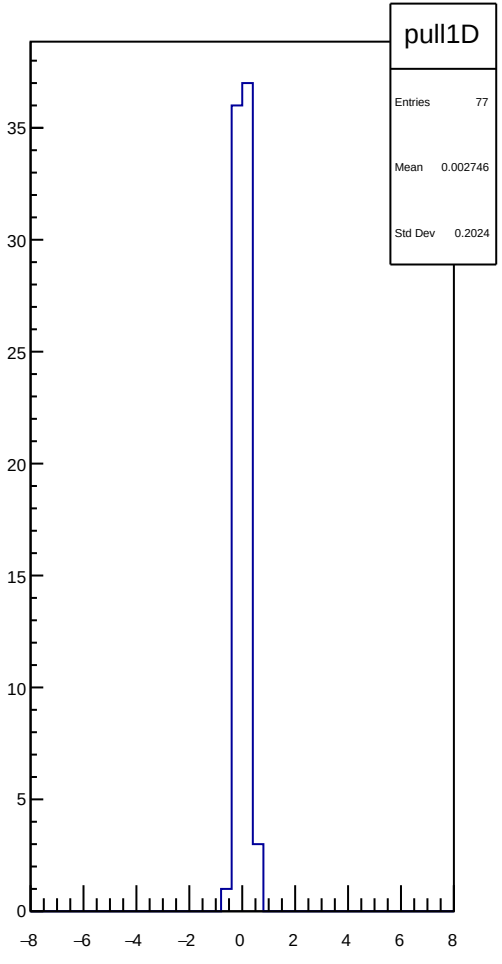

asym_bcm_an_us_rms vs run
χ² / ndf 7889 / 76
p0 188 ± 0.155
210
200
190
180
170
160

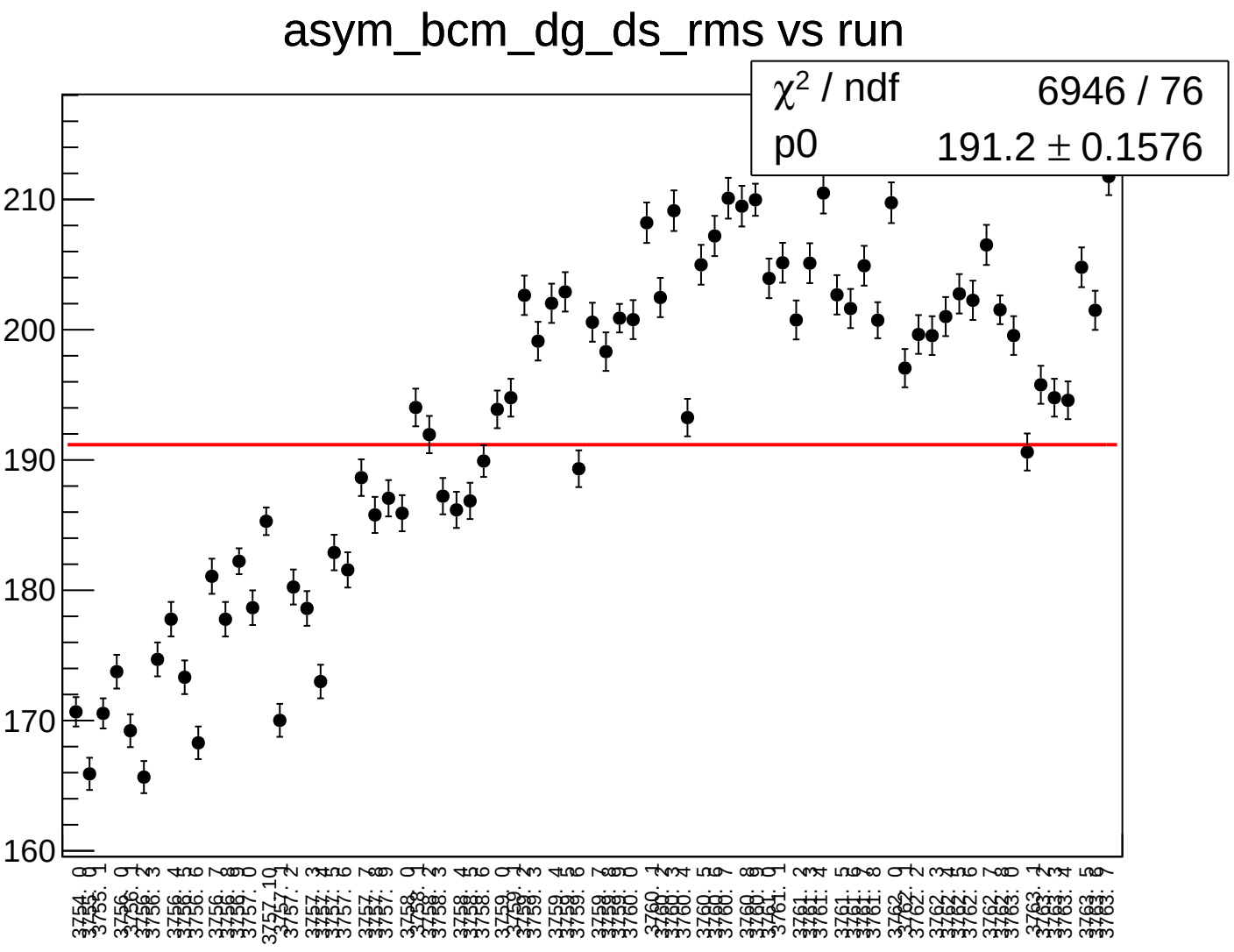

asym_bcm_dg_us_mean vs run
χ² / ndf 9.543 / 76
p0 37.52 ± 238.9
4000
2000
0
−2000
−4000
pull
Entries 77
Mean 194.6
Std Dev 164.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

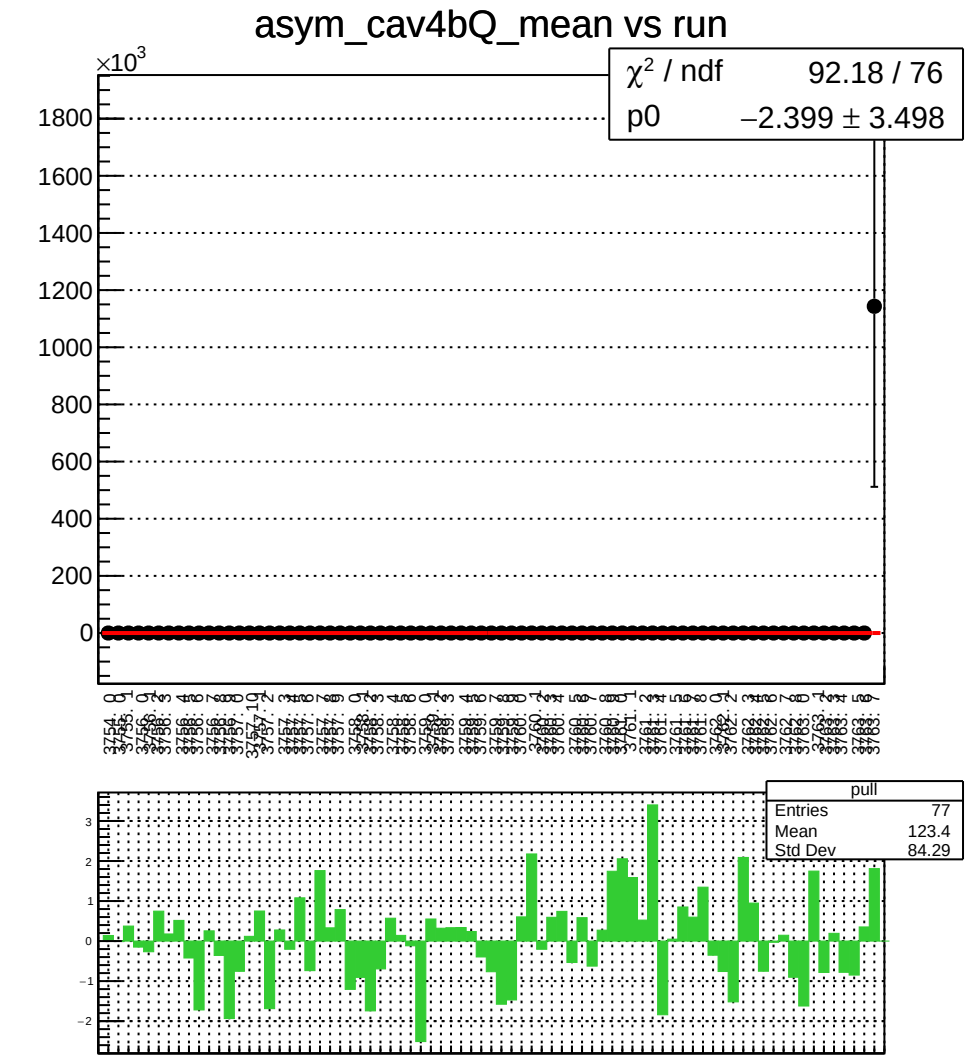

pull1D
Entries 77
Mean 0.005824
Std Dev 0.352
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

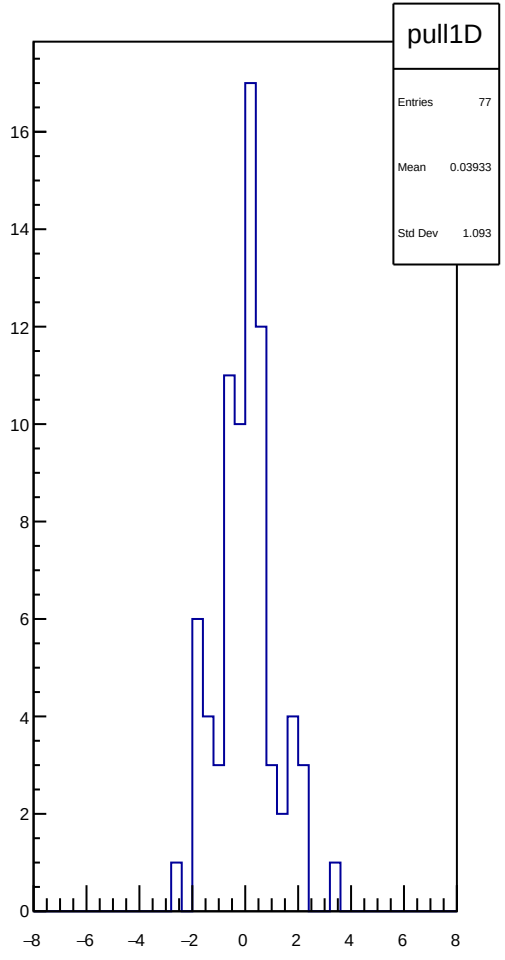

asym_bcm_dg_us_rms vs run
χ^2 / ndf 6585 / 76
p0 204.9 ± 0.1689
230
220
210
200
190
180

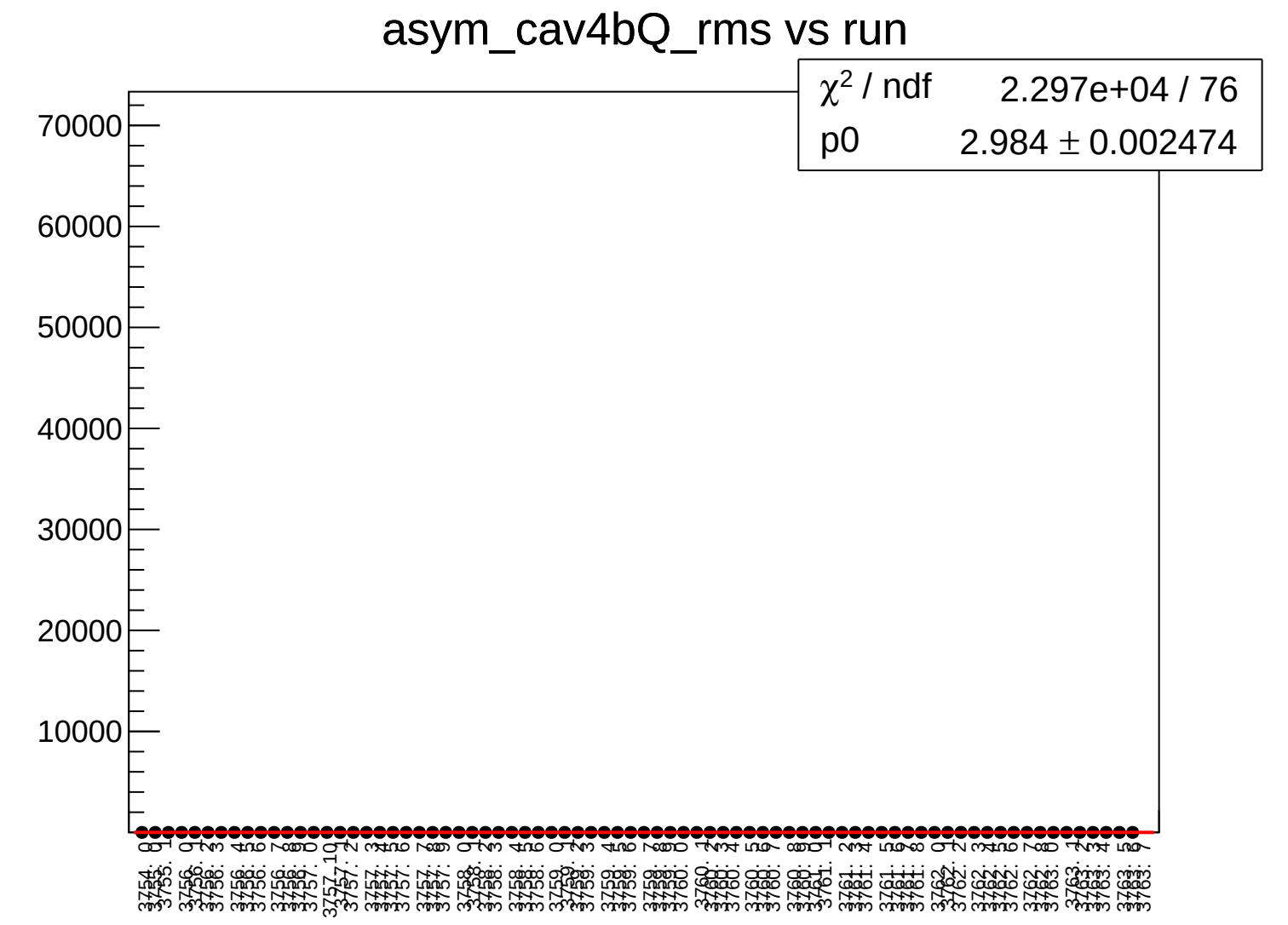

asym_bcm_dg_ds_mean vs run
χ² / ndf 3.155 / 76
p0 −32.79 ± 222.9
pull
Entries 77
Mean 213.3
Std Dev 189.9

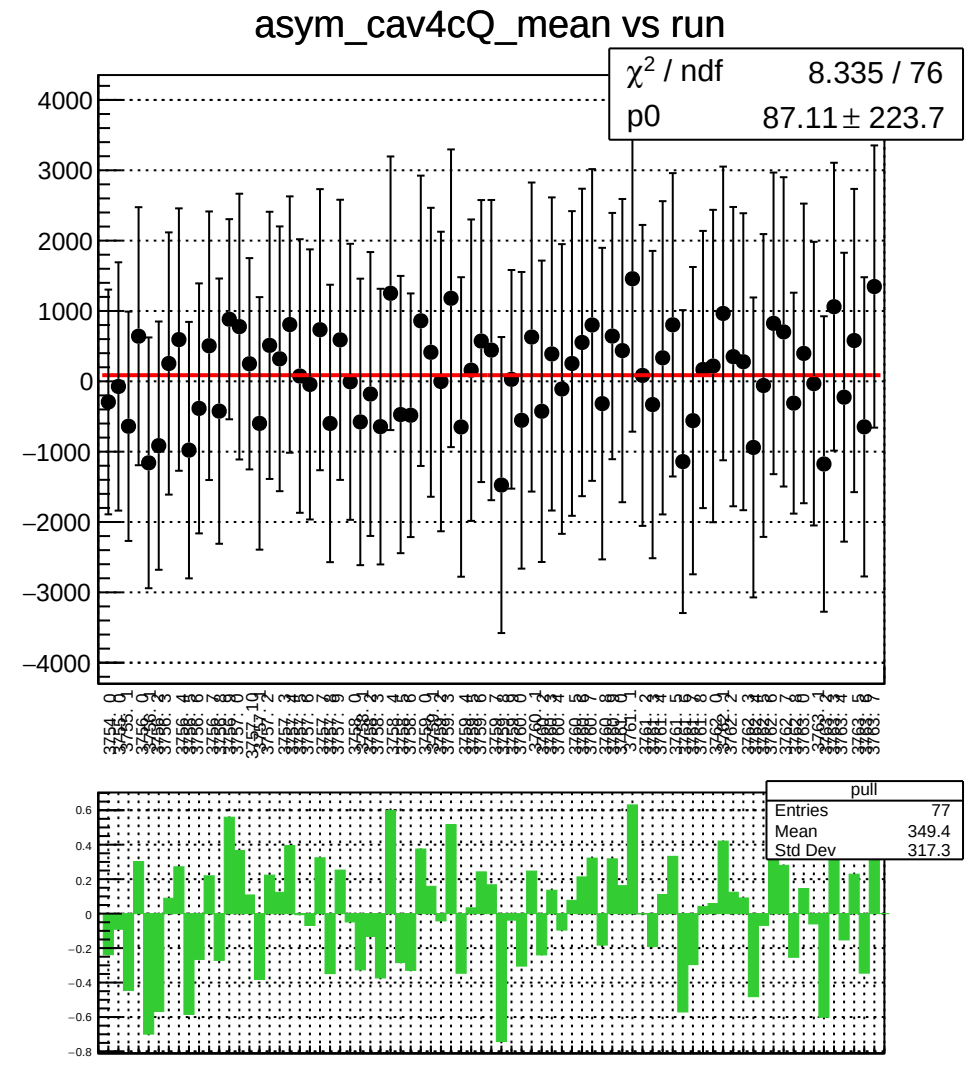

pull1D
Entries 77
Mean 0.002746
Std Dev 0.2024

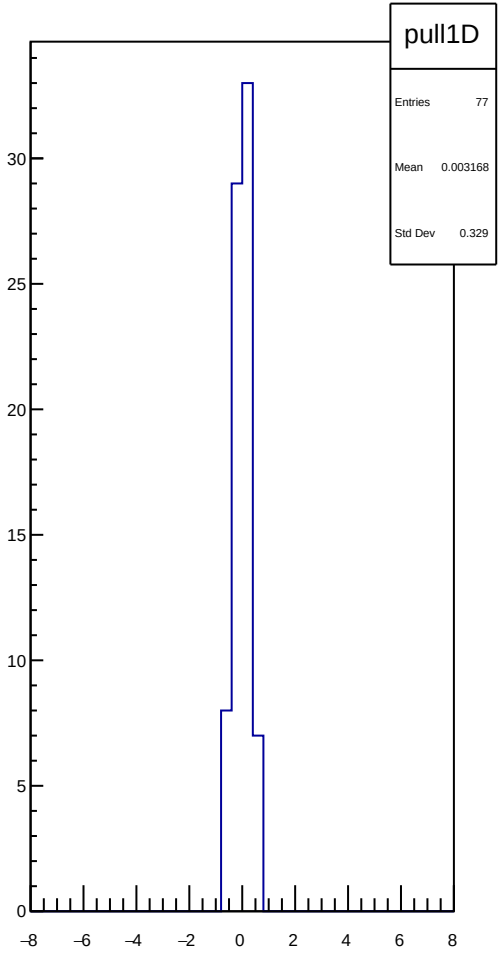

asym_bcm_dg_ds_rms vs run
χ² / ndf 6946 / 76
p0 191.2 ± 0.1576
210
200
190
180
170
160

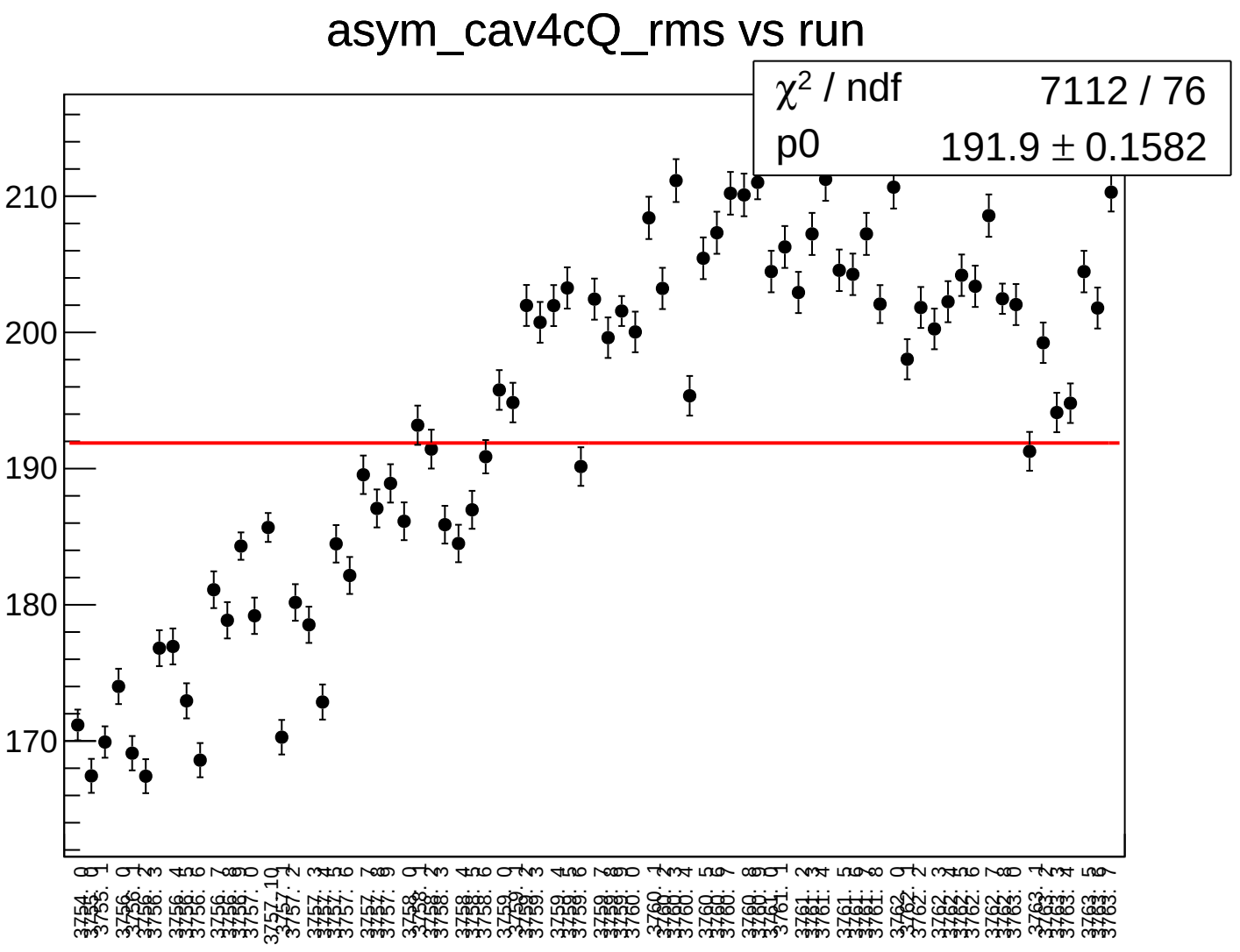

asym_cav4bQ_mean vs run
×10^3
χ² / ndf 92.18 / 76
p0 −2.399 ± 3.498
1800
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 77
Mean 123.4
Std Dev 84.29
3
2
1
0
−1
−2

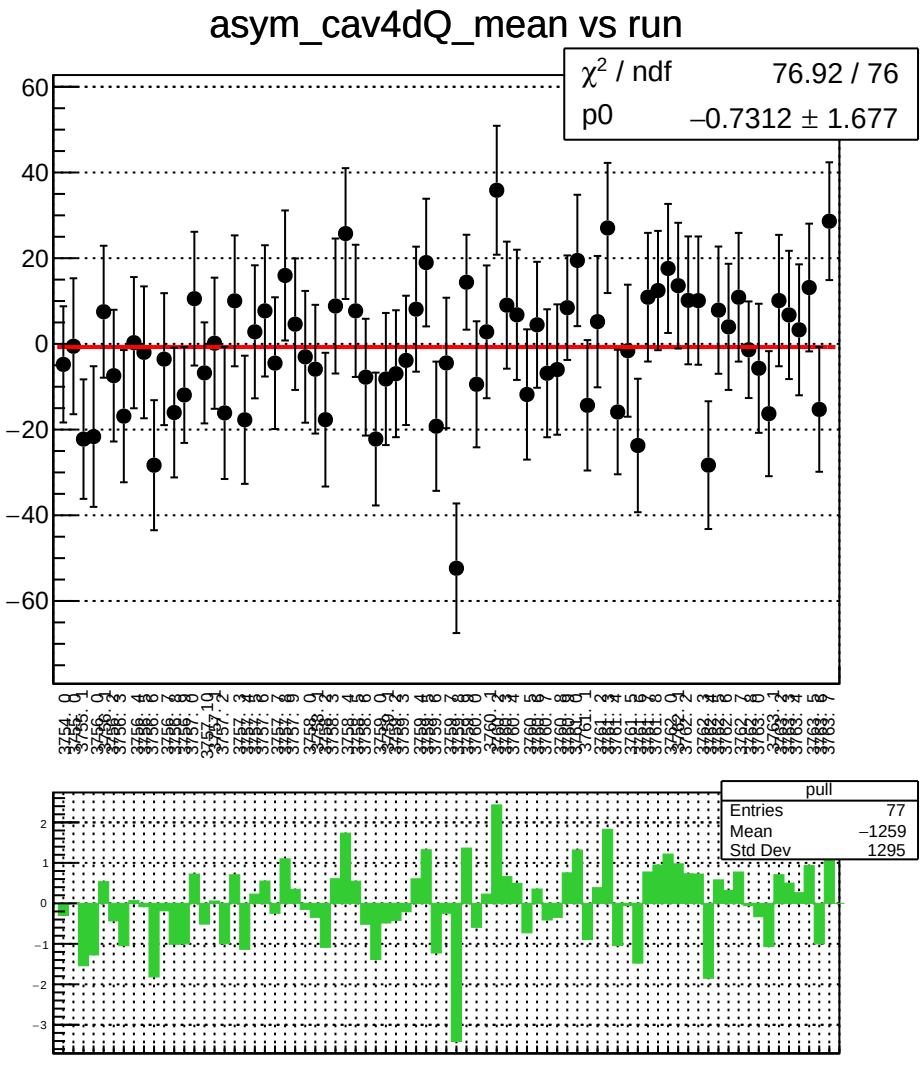

pull1D
Entries 77
Mean 0.03933
Std Dev 1.093
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

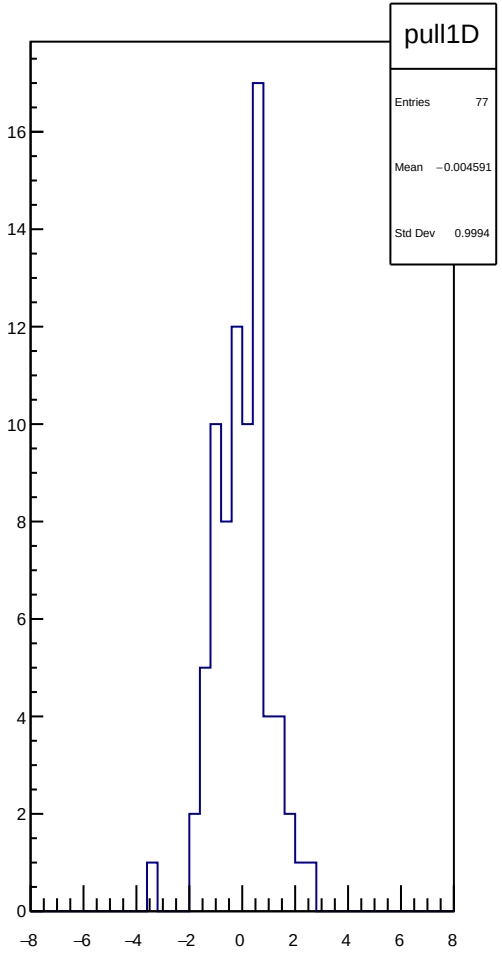

asym_cav4bQ_rms vs run
χ^2 / ndf 2.297e+04 / 76
p0 2.984 ± 0.002474
70000
60000
50000
40000
30000
20000
10000

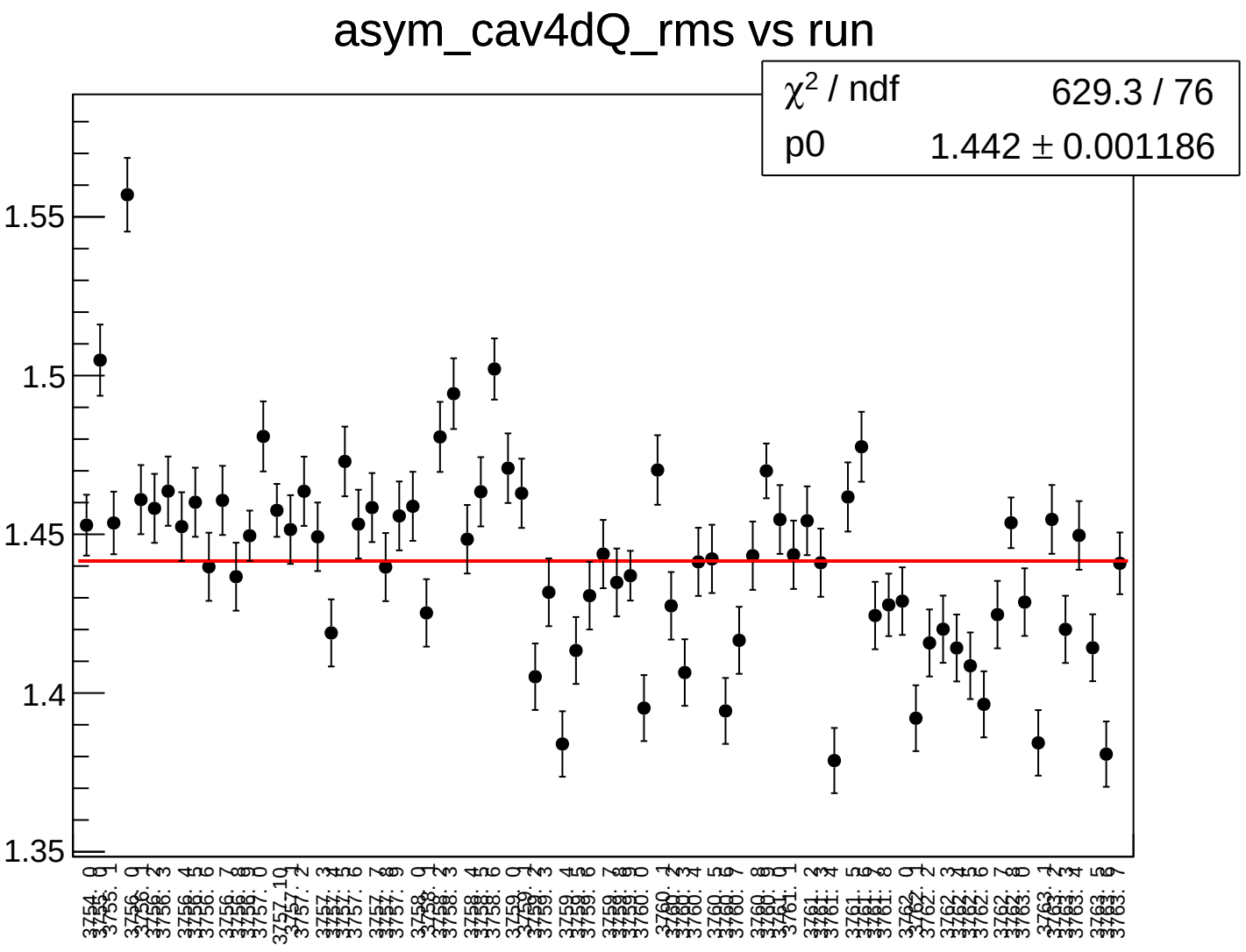

asym_cav4cQ_mean vs run
χ² / ndf 8.335 / 76
p0 87.11 ± 223.7
pull
Entries 77
Mean 349.4
Std Dev 317.3

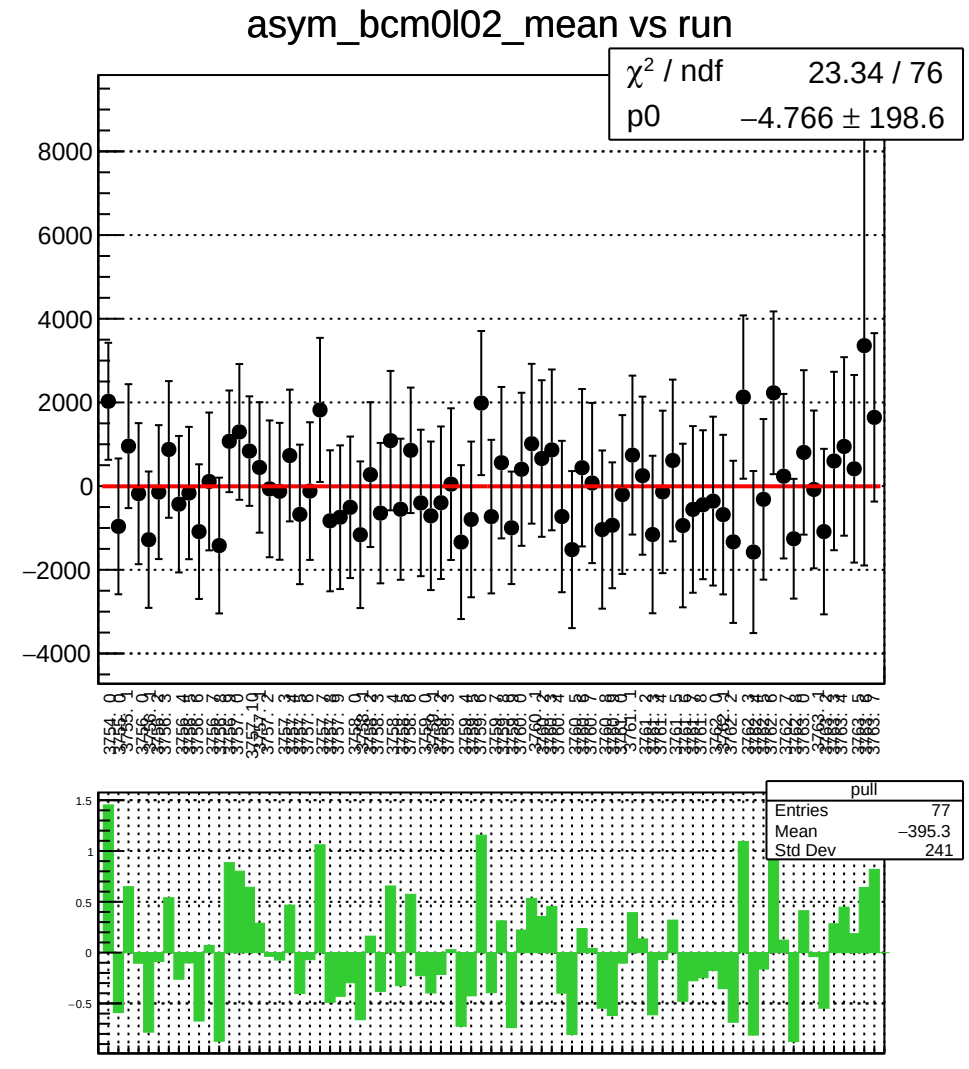

pull1D
Entries 77
Mean 0.003168
Std Dev 0.329

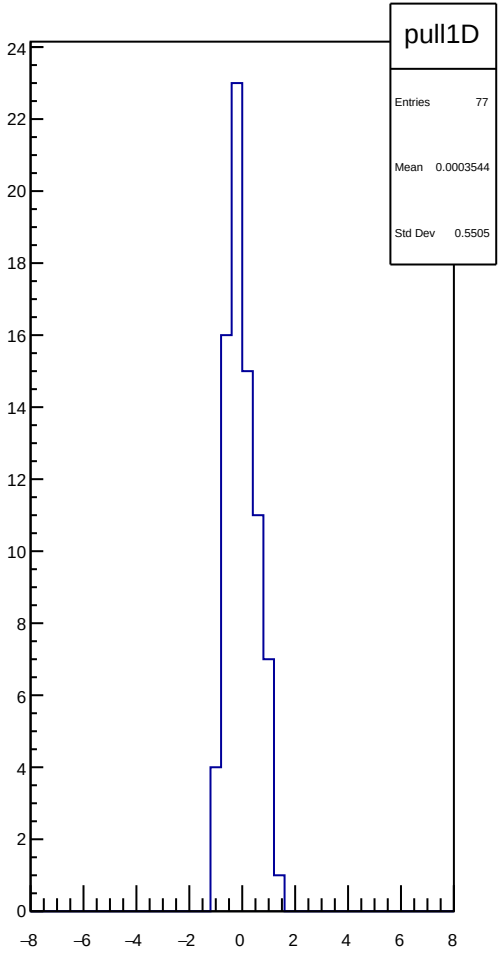

asym_cav4cQ_rms vs run
χ² / ndf 7112 / 76
p0 191.9 ± 0.1582
210
200
190
180
170

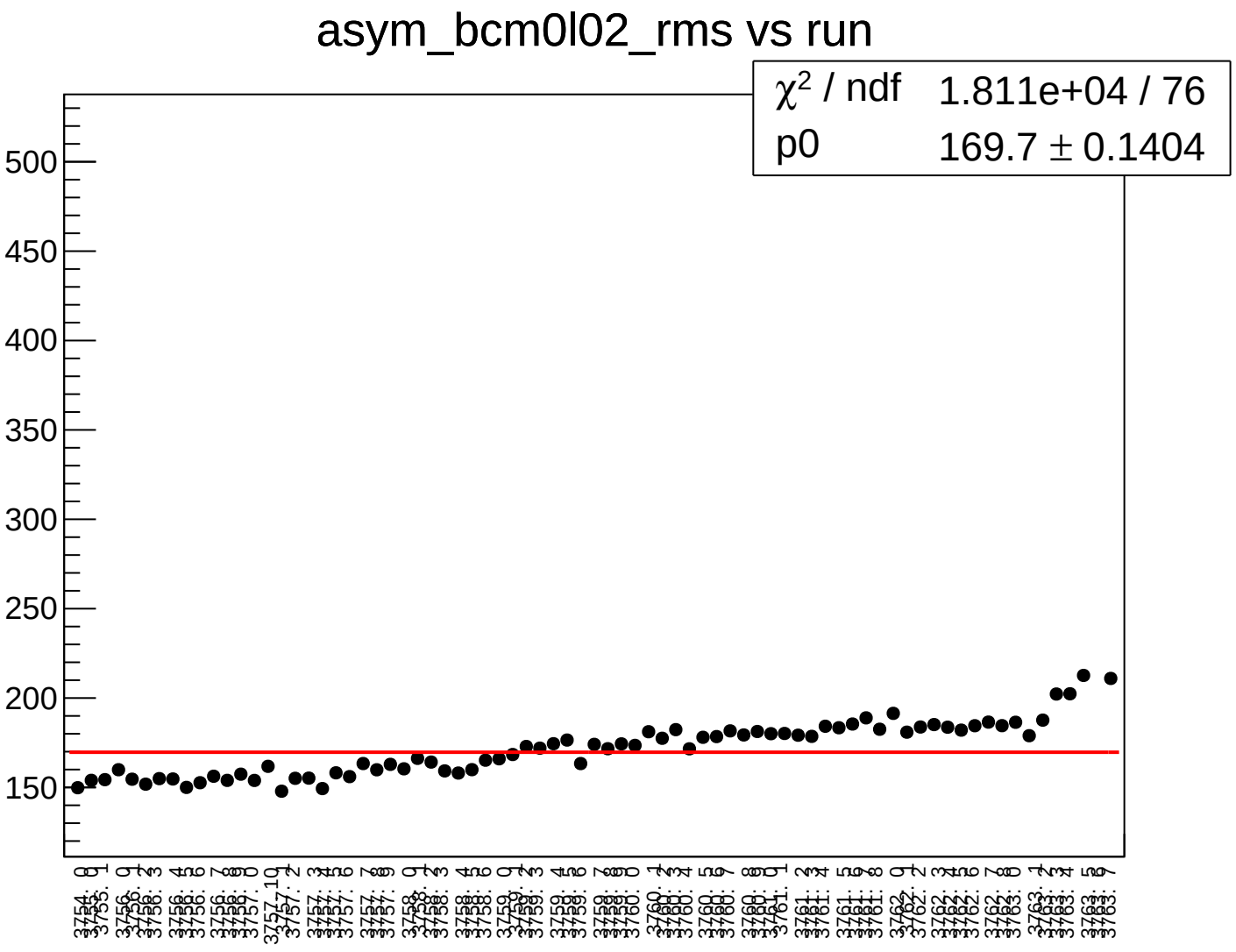

asym_cav4dQ_mean vs run
χ² / ndf 76.92 / 76
p0 −0.7312 ± 1.677
pull
Entries 77
Mean −1259
Std Dev 1295

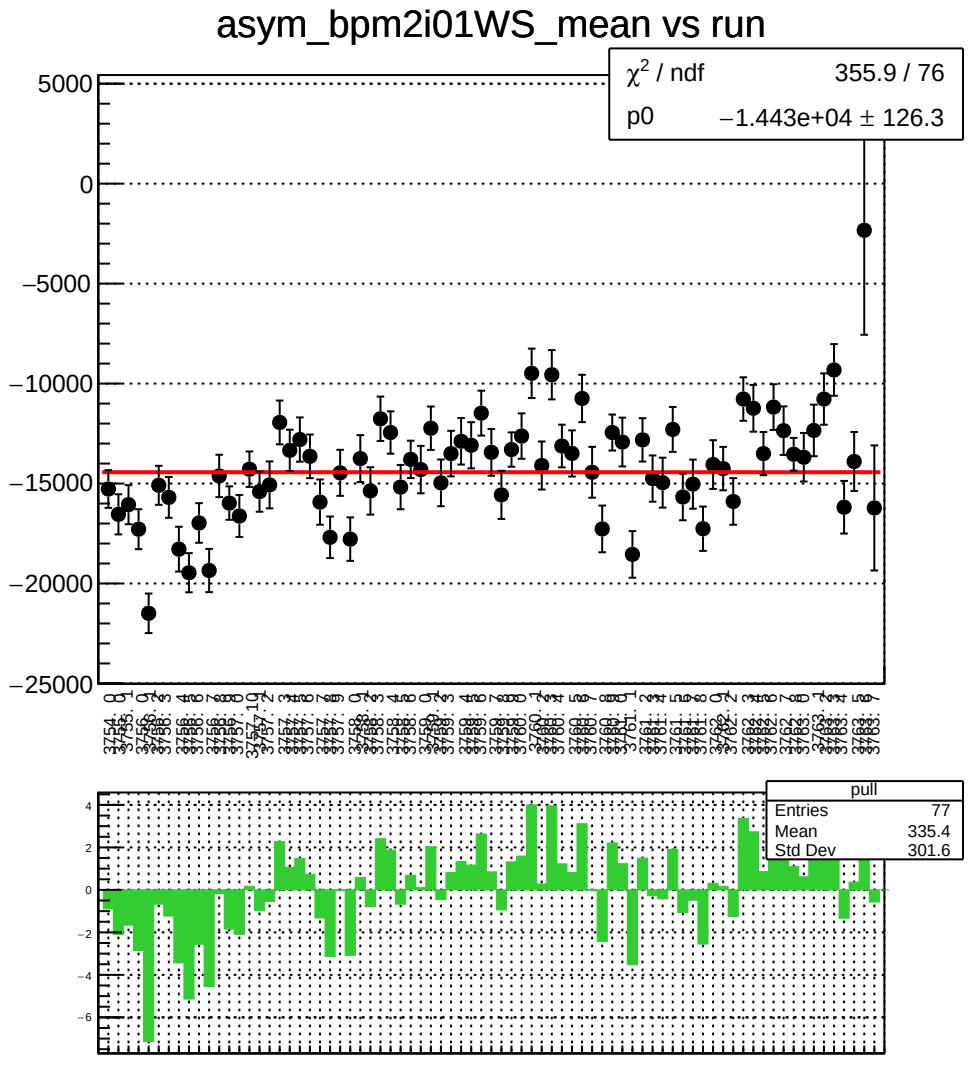

pull1D
Entries 77
Mean −0.004591
Std Dev 0.9994

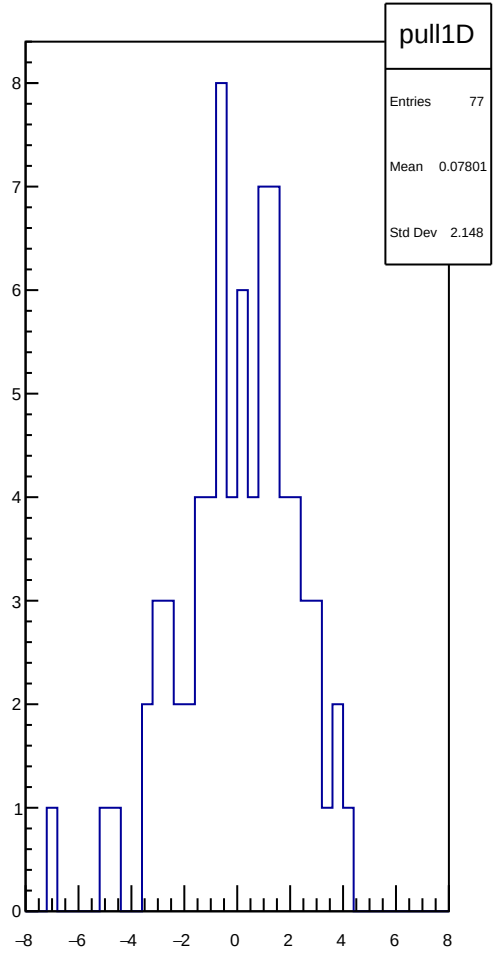

asym_cav4dQ_rms vs run
χ² / ndf 629.3 / 76
p0 1.442 ± 0.001186
1.55
1.5
1.45
1.4
1.35

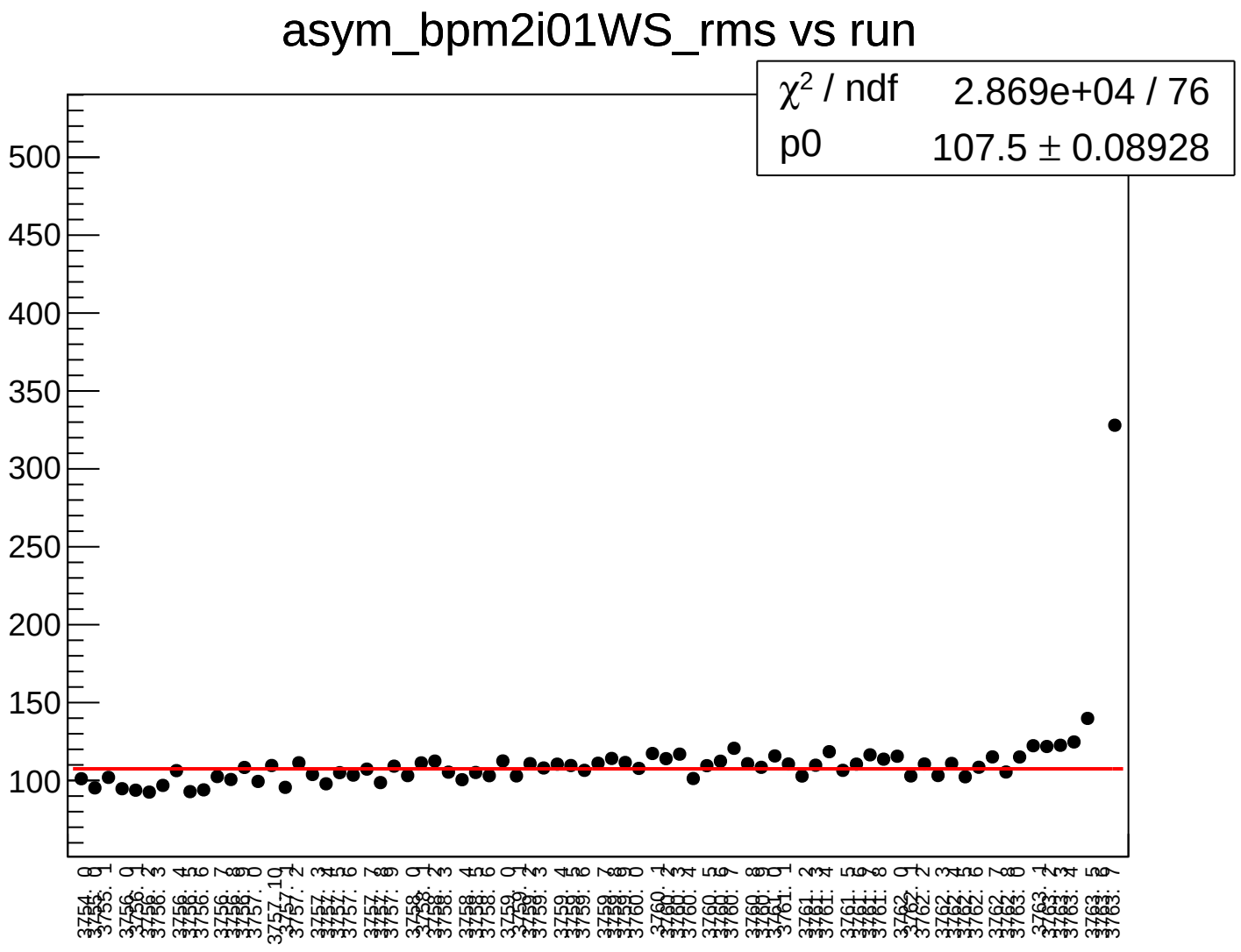

asym_bcm0l02_mean vs run
χ² / ndf 23.34 / 76
p0 −4.766 ± 198.6
pull
Entries 77
Mean −395.3
Std Dev 241

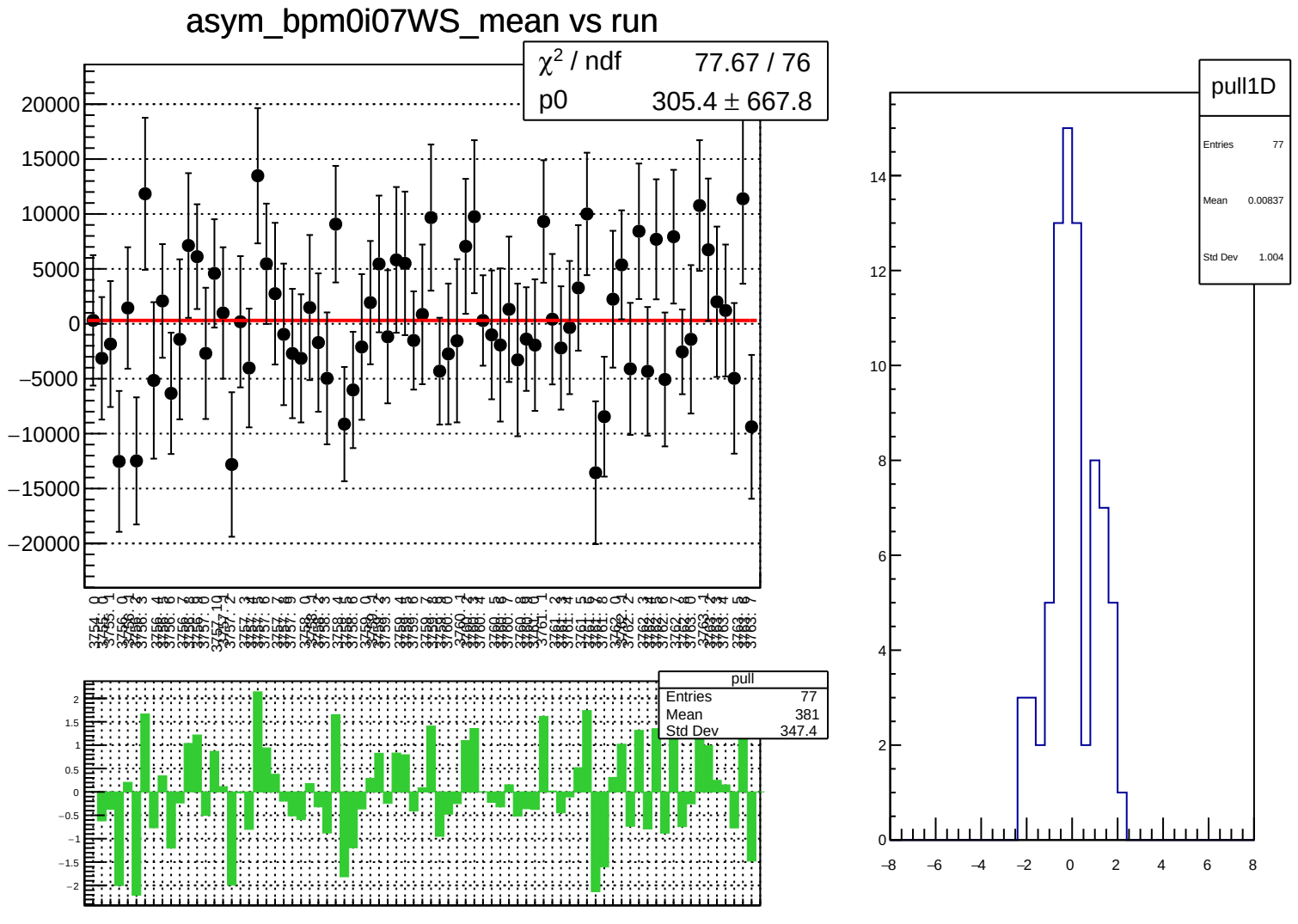

pull1D
Entries 77
Mean 0.0003544
Std Dev 0.5505

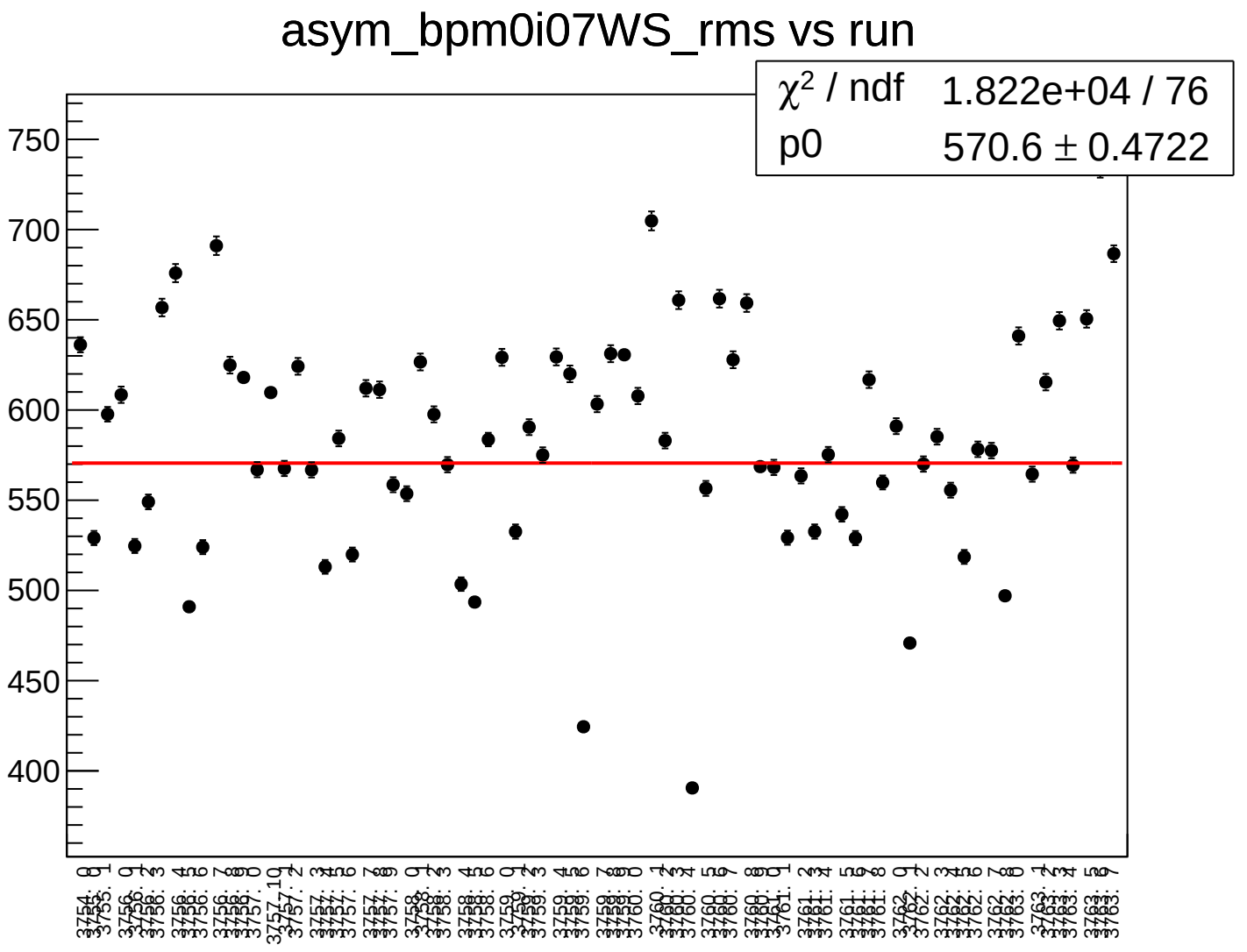

asym_bcm0l02_rms vs run
χ² / ndf 1.811e+04 / 76
p0 169.7 ± 0.1404
500
450
400
350
300
250
200
150

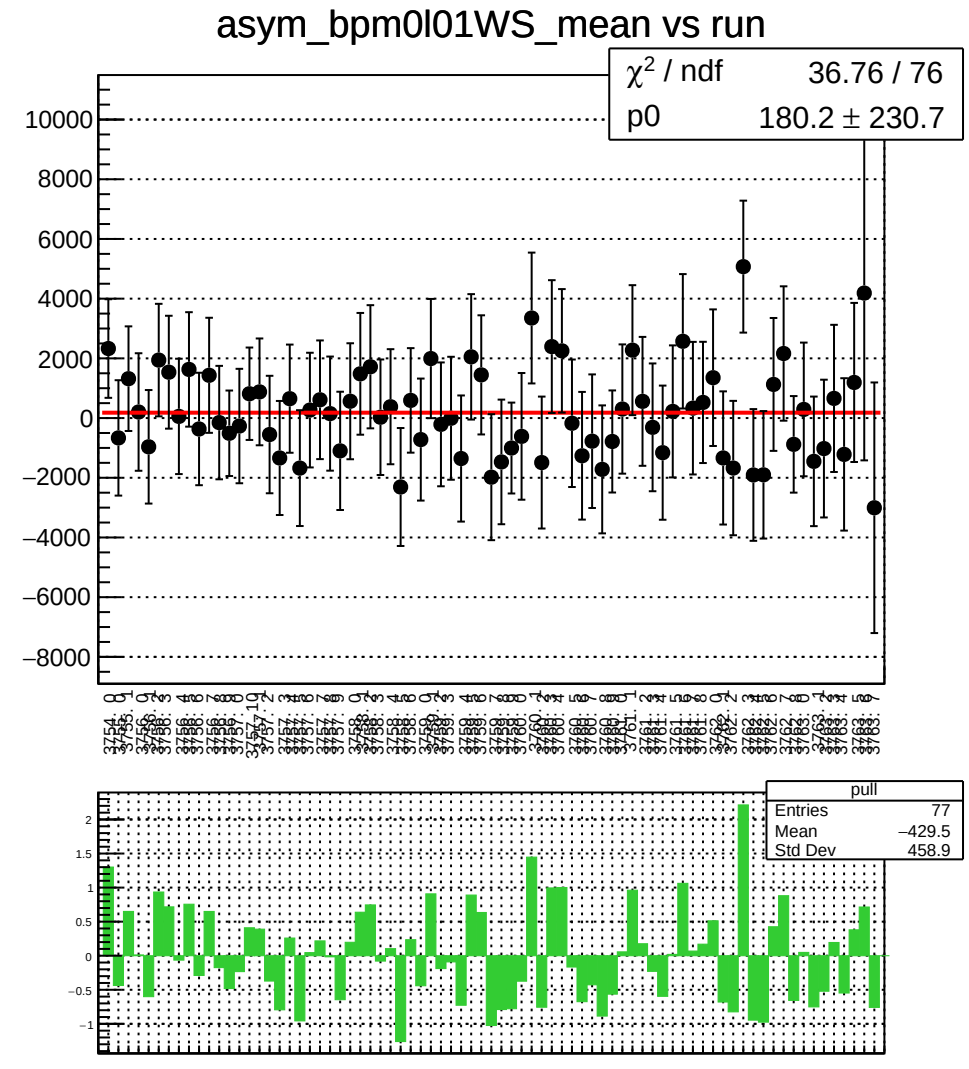

asym_bpm2i01WS_mean vs run
χ² / ndf 355.9 / 76
p0 −1.443e+04 ± 126.3
pull
Entries 77
Mean 335.4
Std Dev 301.6

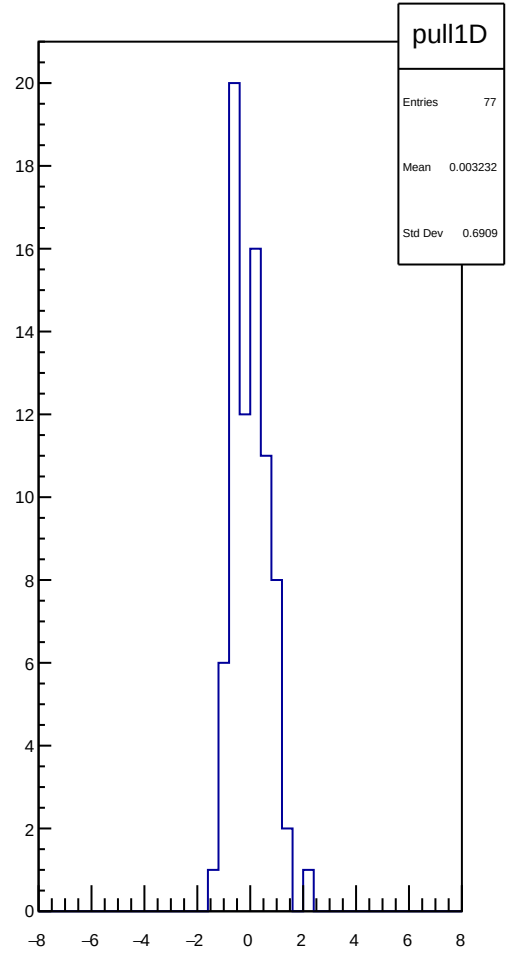

pull1D
Entries 77
Mean 0.07801
Std Dev 2.148

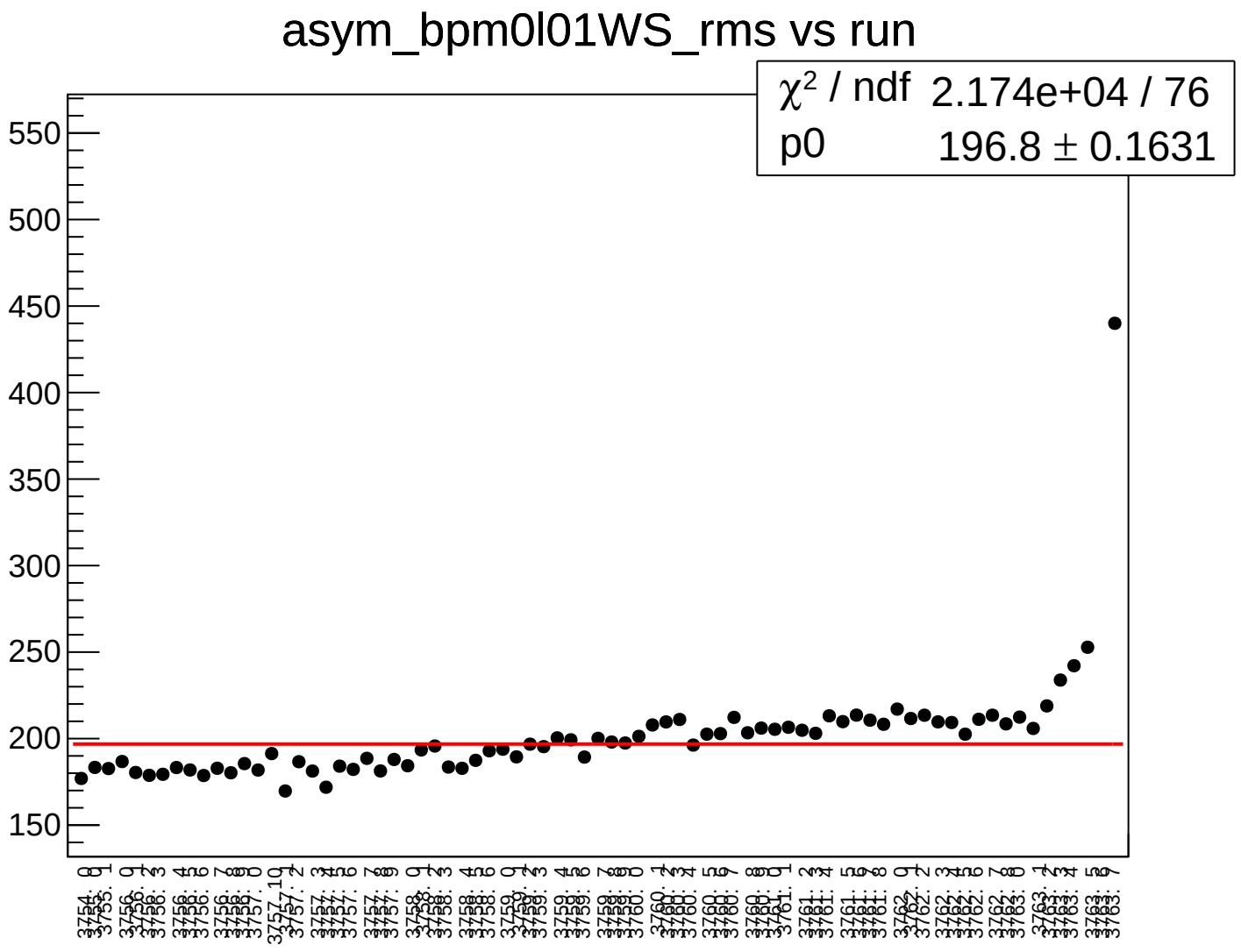

asym_bpm2i01WS_rms vs run
χ² / ndf 2.869e+04 / 76
p0 107.5 ± 0.08928
500
450
400
350
300
250
200
150
100

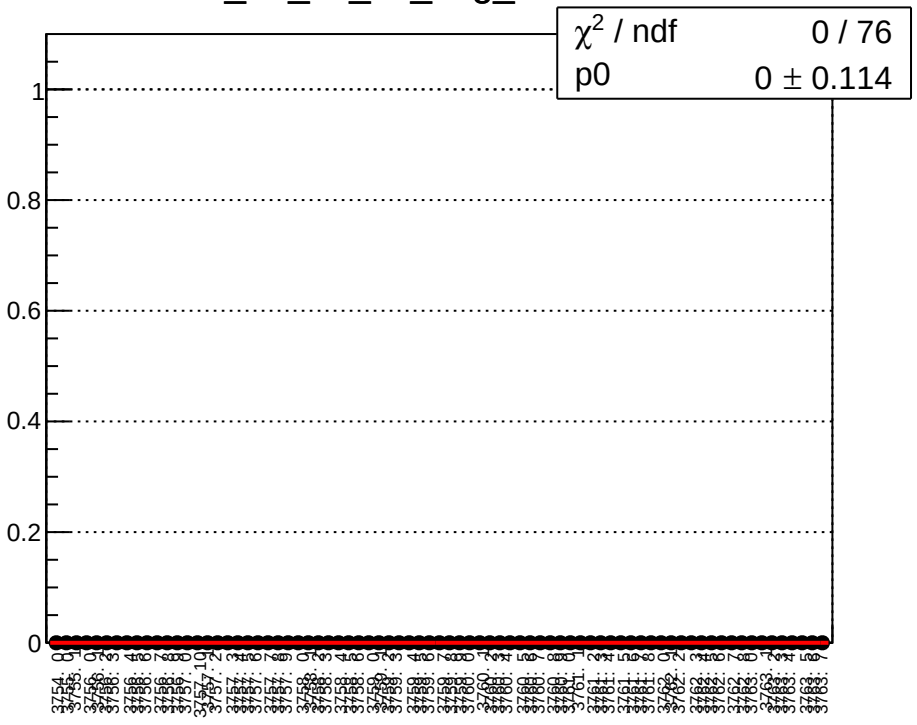

asym_bpm0i07WS_mean vs run
χ² / ndf 77.67 / 76
p0 305.4 ± 667.8
pull
Entries 77
Mean 381
Std Dev 347.4
pull1D
Entries 77
Mean 0.00837
Std Dev 1.004

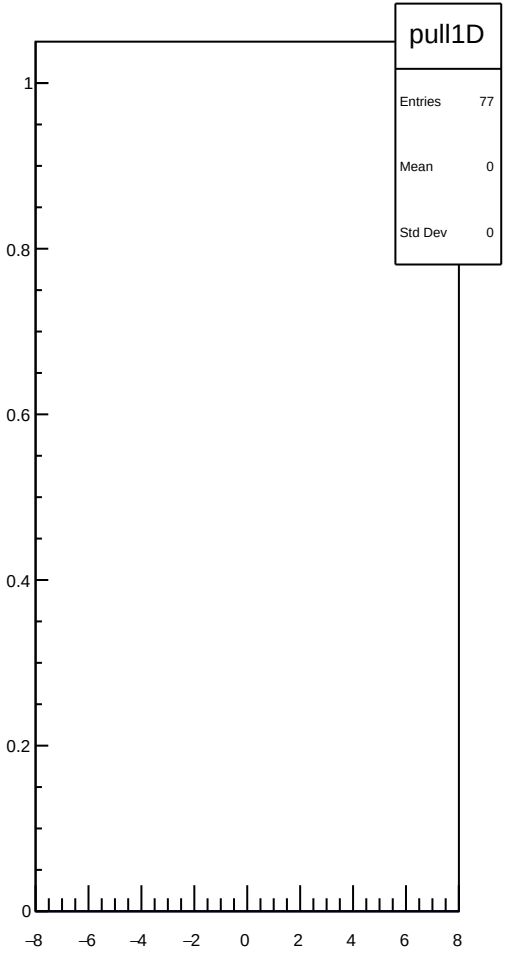

asym_bpm0i07WS_rms vs run
χ² / ndf 1.822e+04 / 76
p0 570.6 ± 0.4722
750
700
650
600
550
500
450
400

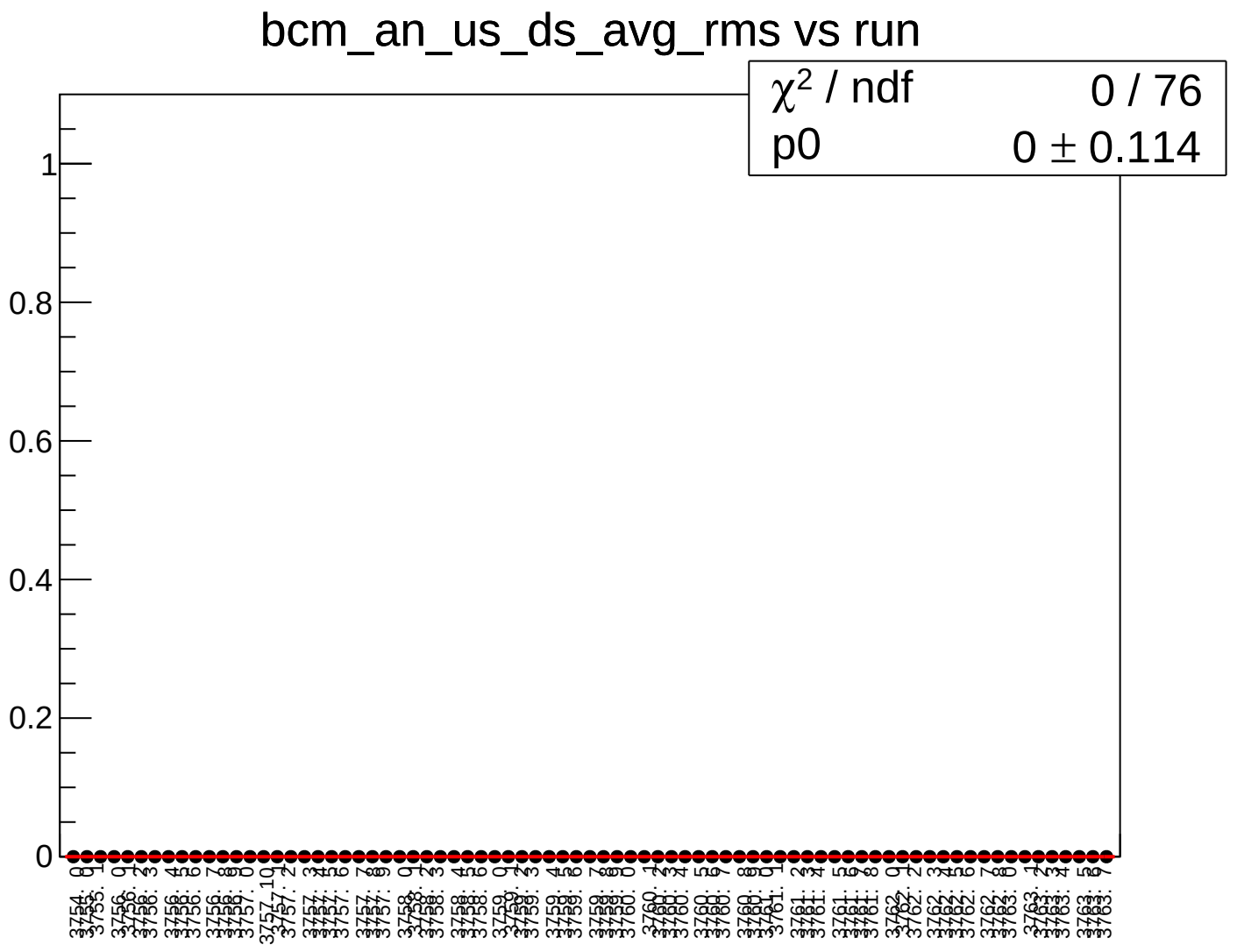

asym_bpm0l01WS_mean vs run
χ^2 / ndf 36.76 / 76
p0 180.2 ± 230.7
pull
Entries 77
Mean −429.5
Std Dev 458.9

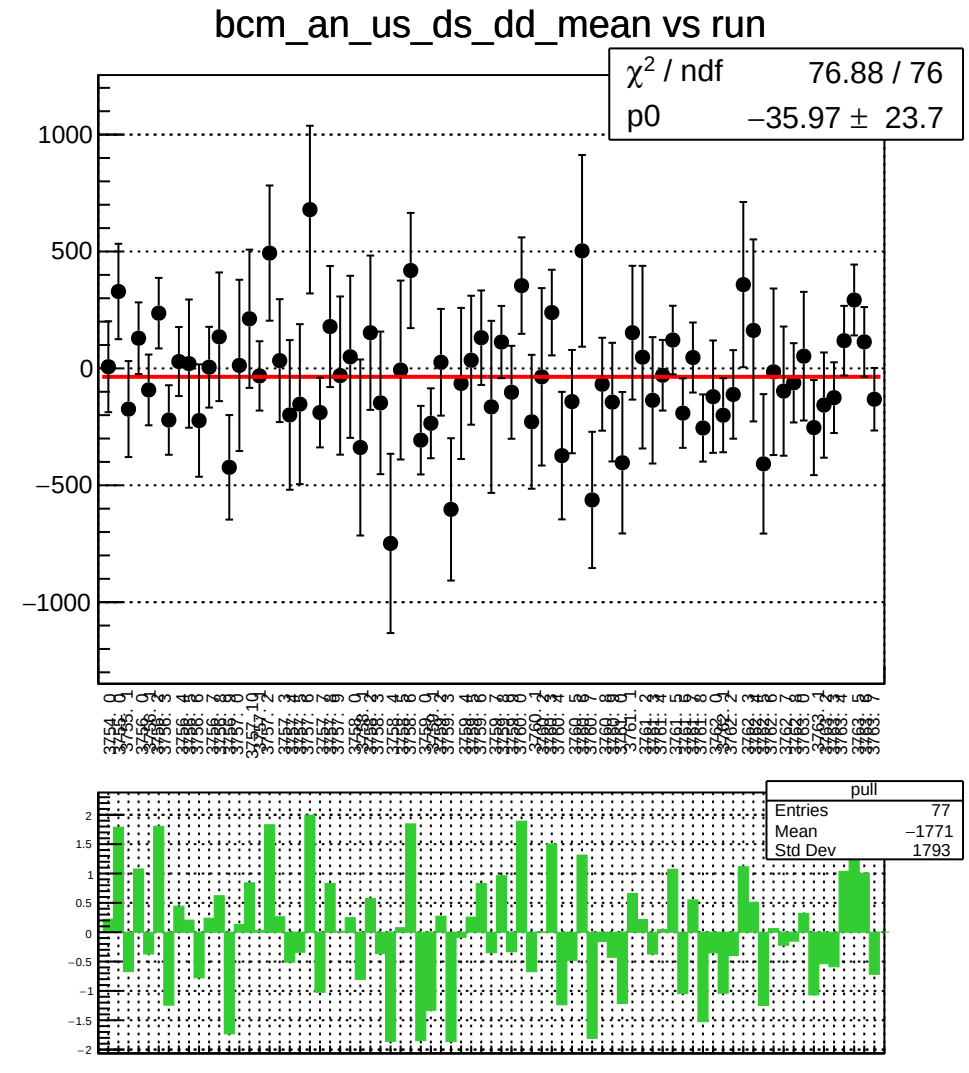

pull1D
Entries 77
Mean 0.003232
Std Dev 0.6909

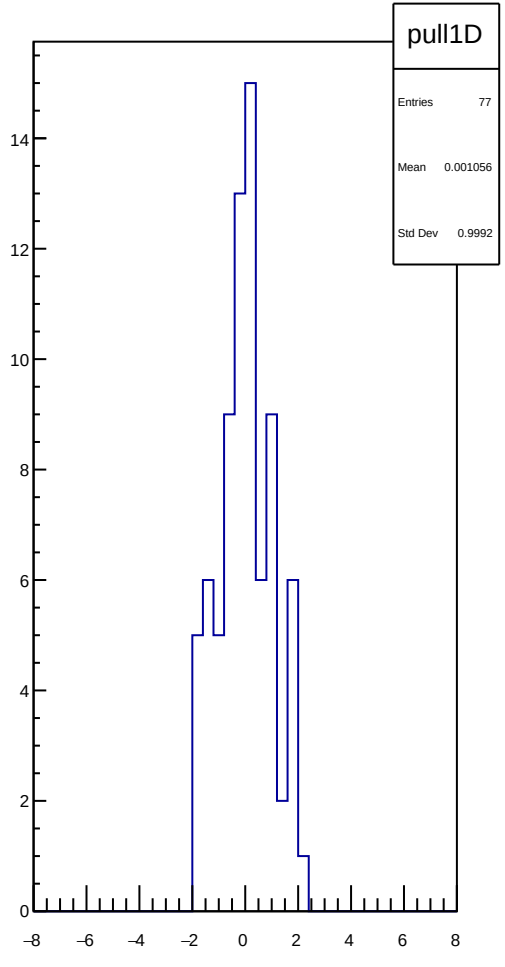

asym_bpm0l01WS_rms vs run
χ² / ndf 2.174e+04 / 76
p0 196.8 ± 0.1631
550
500
450
400
350
300
250
200
150

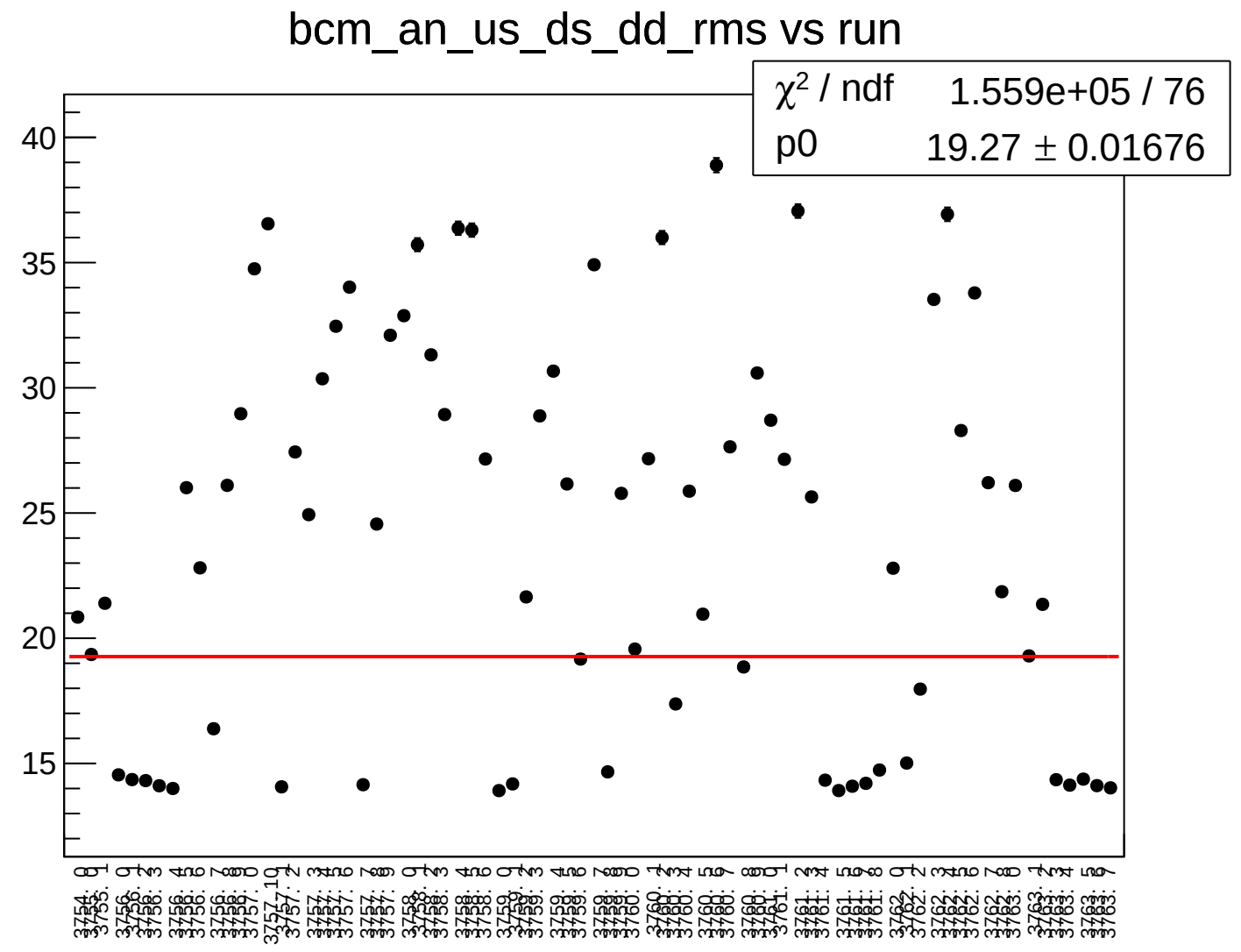

bcm_an_us_ds_avg_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

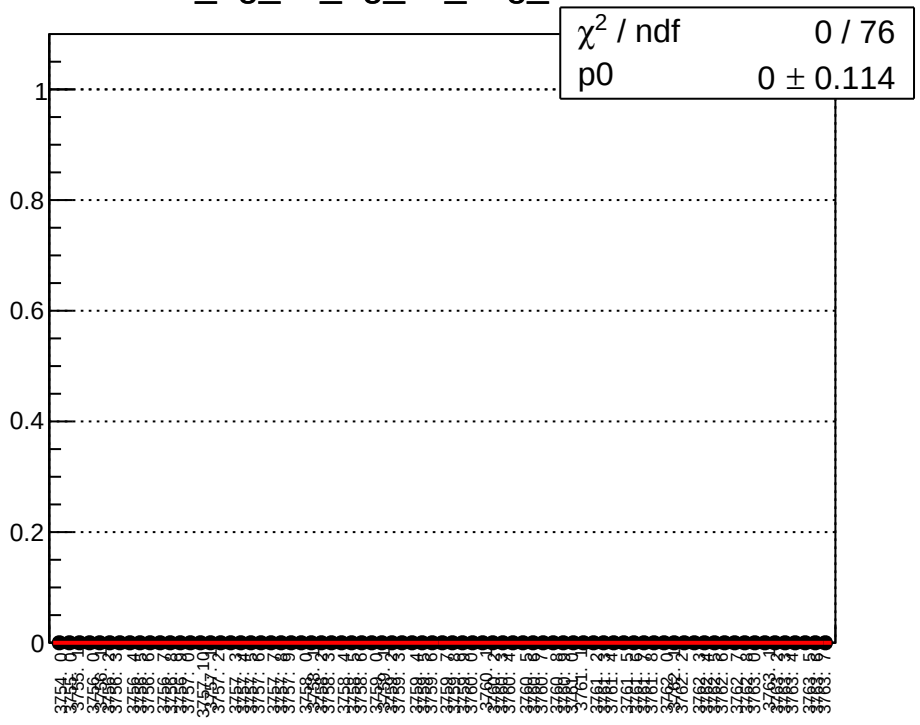

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

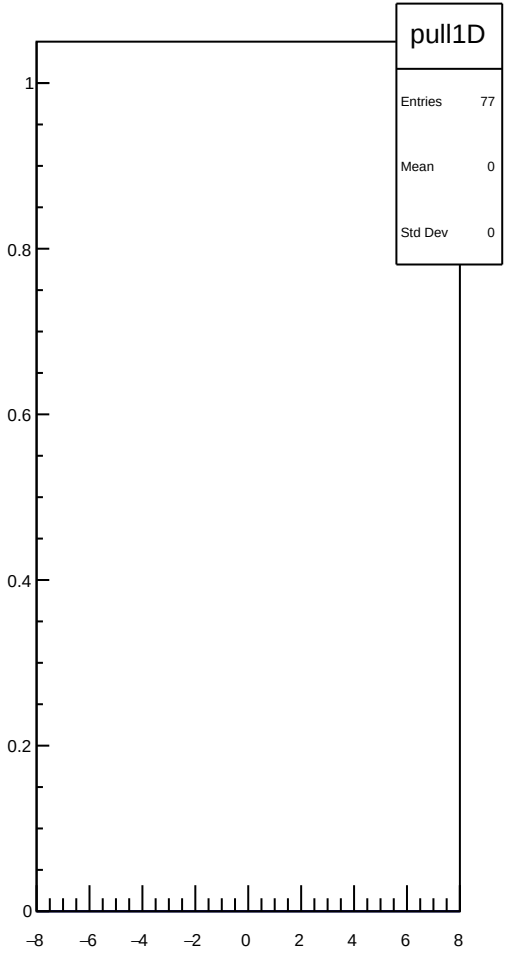

bcm_an_us_ds_avg_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

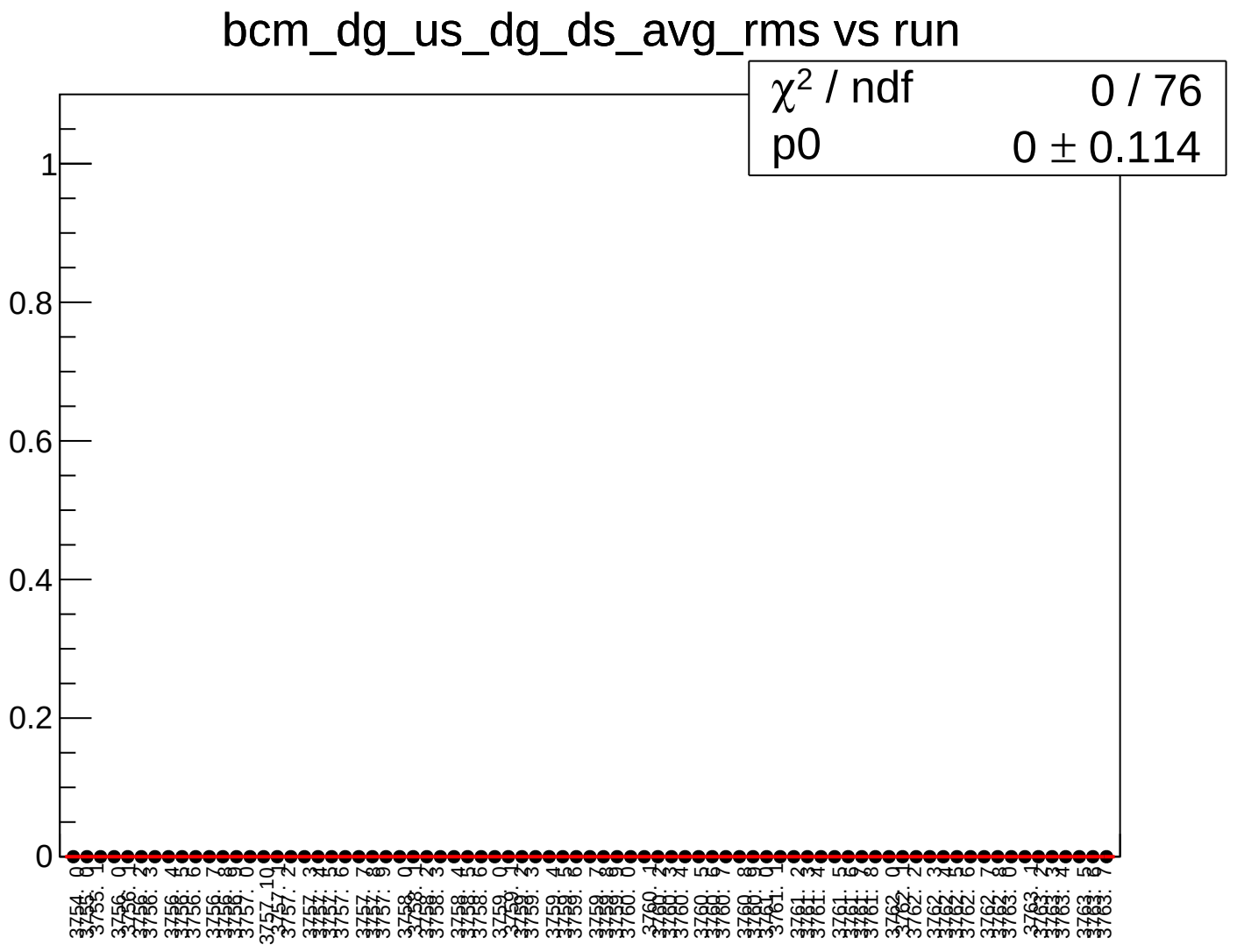

bcm_an_us_ds_dd_mean vs run
χ² / ndf 76.88 / 76
p0 −35.97 ± 23.7
1000
500
0
−500
−1000
pull
Entries 77
Mean −1771
Std Dev 1793
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

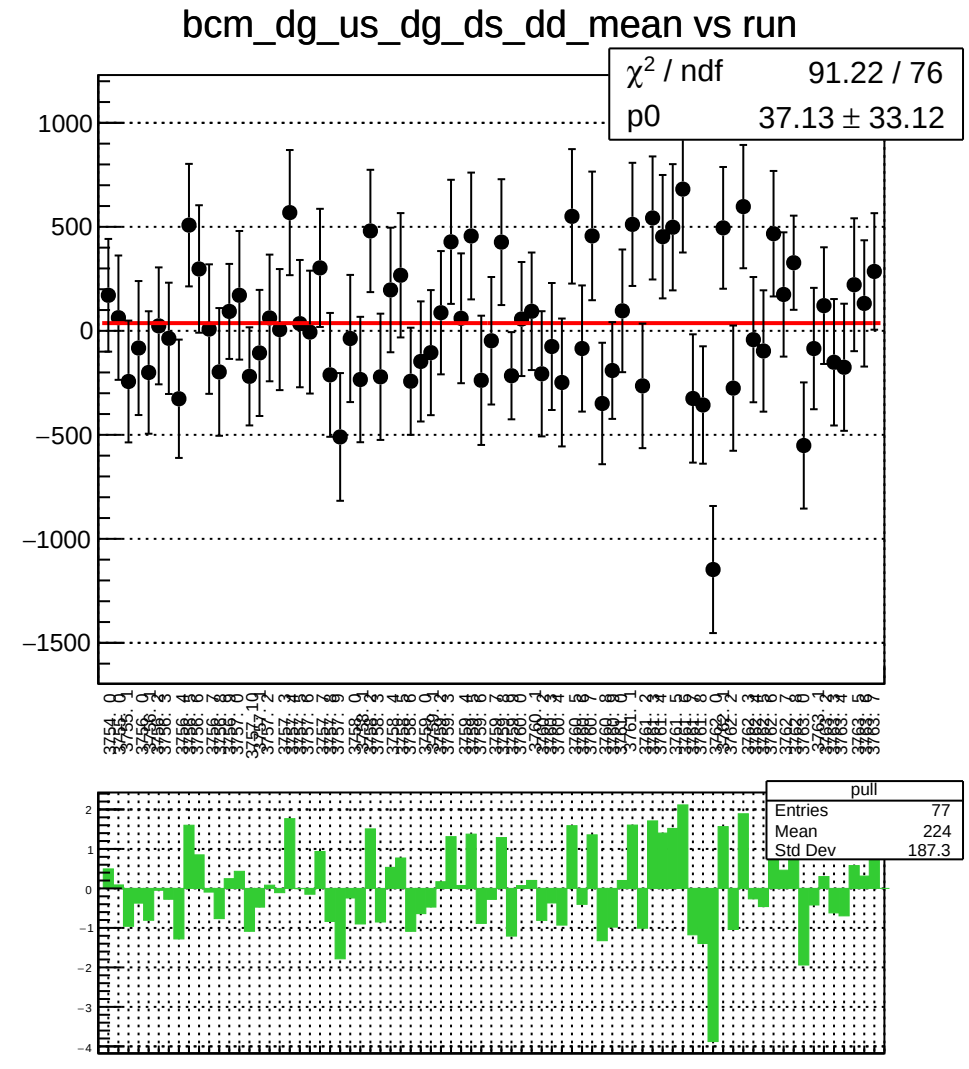

pull1D
Entries 77
Mean 0.001056
Std Dev 0.9992
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

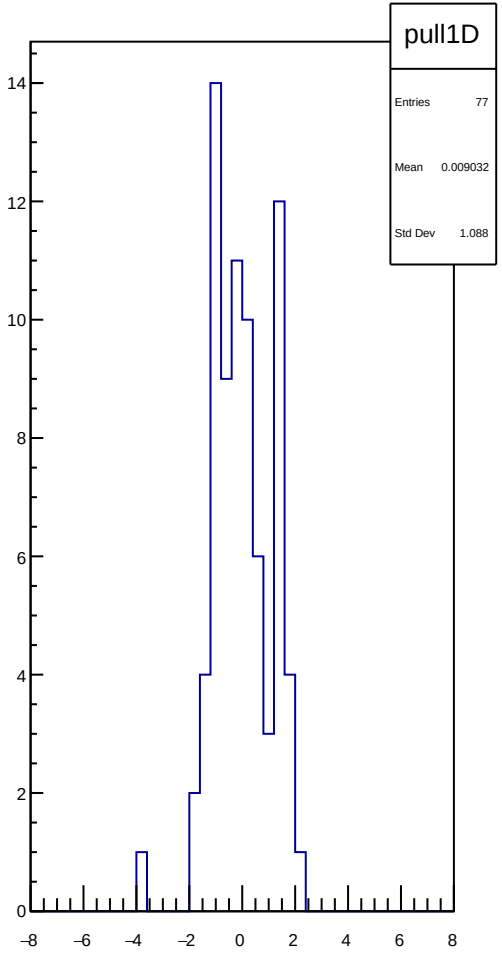

bcm_an_us_ds_dd_rms vs run
χ² / ndf 1.559e+05 / 76
p0 19.27 ± 0.01676
40
35
30
25
20
15

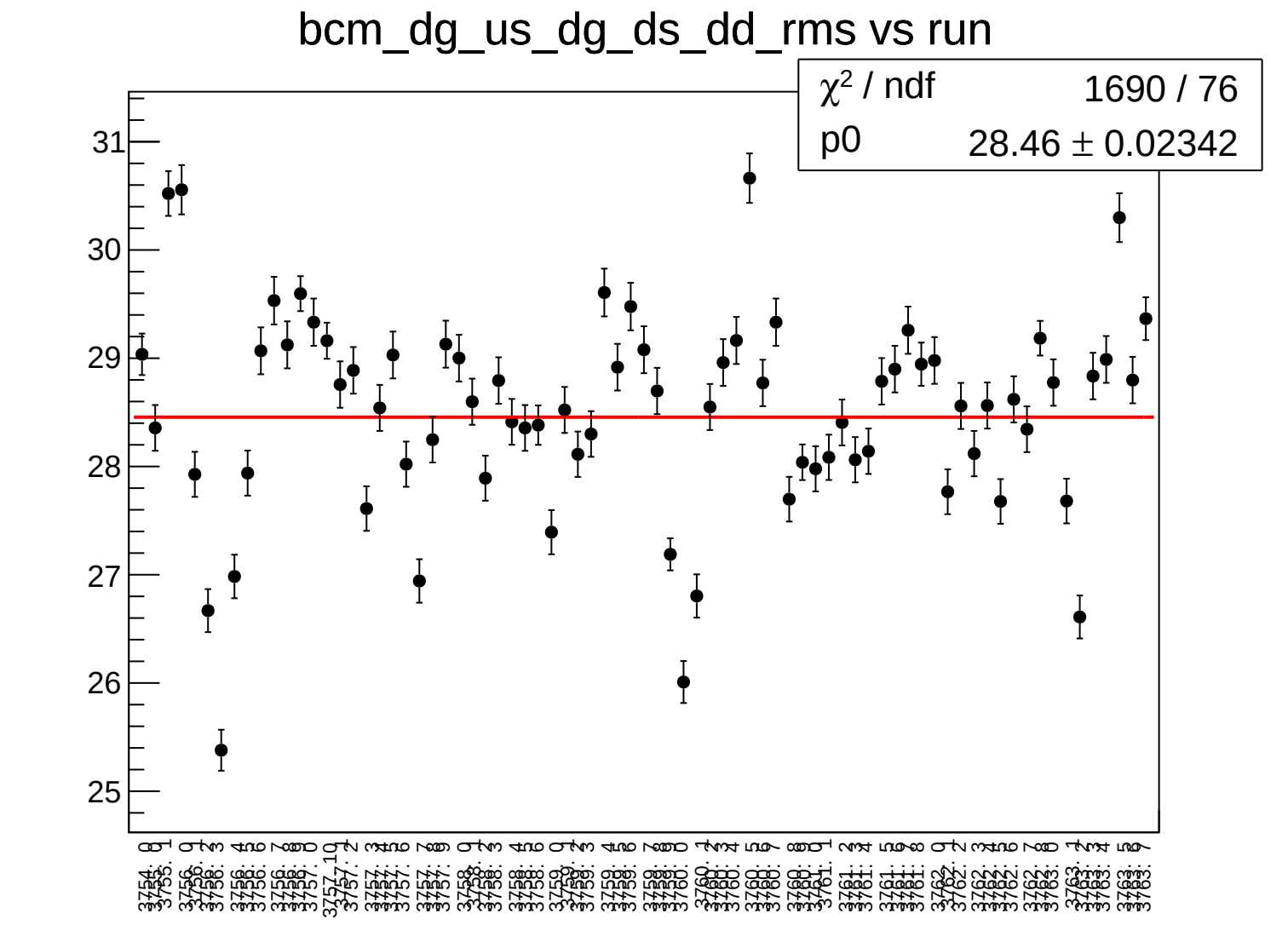

bcm_dg_us_dg_ds_avg_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

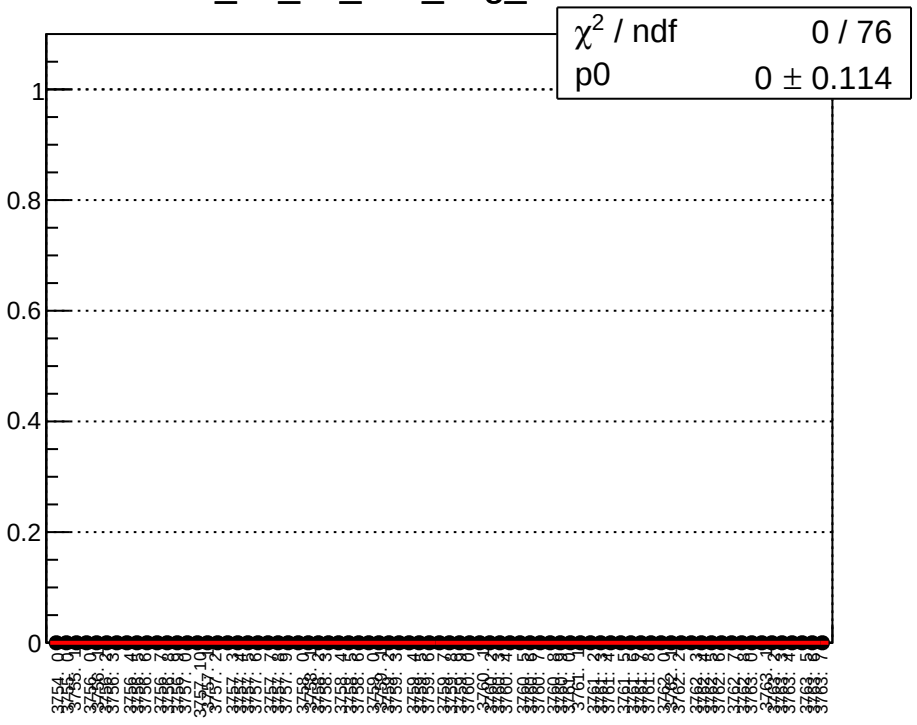

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

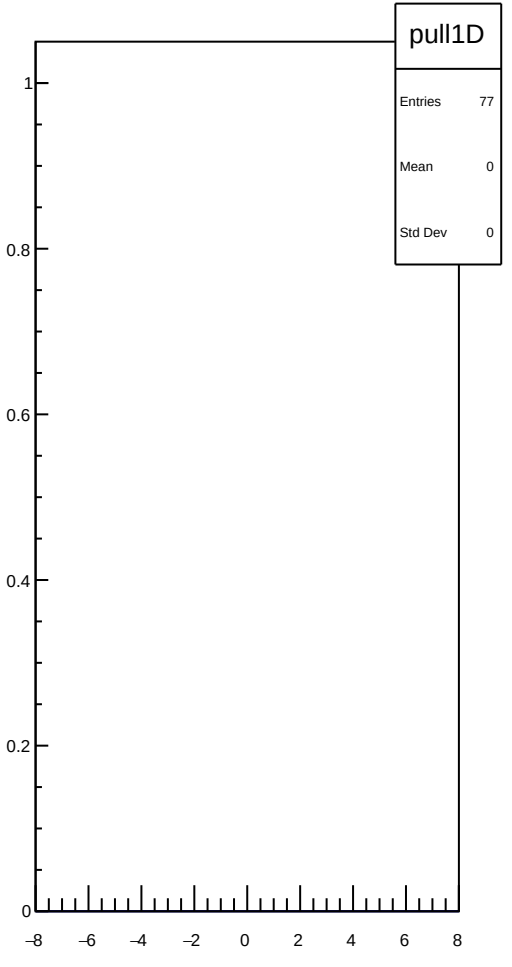

bcm_dg_us_dg_ds_avg_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

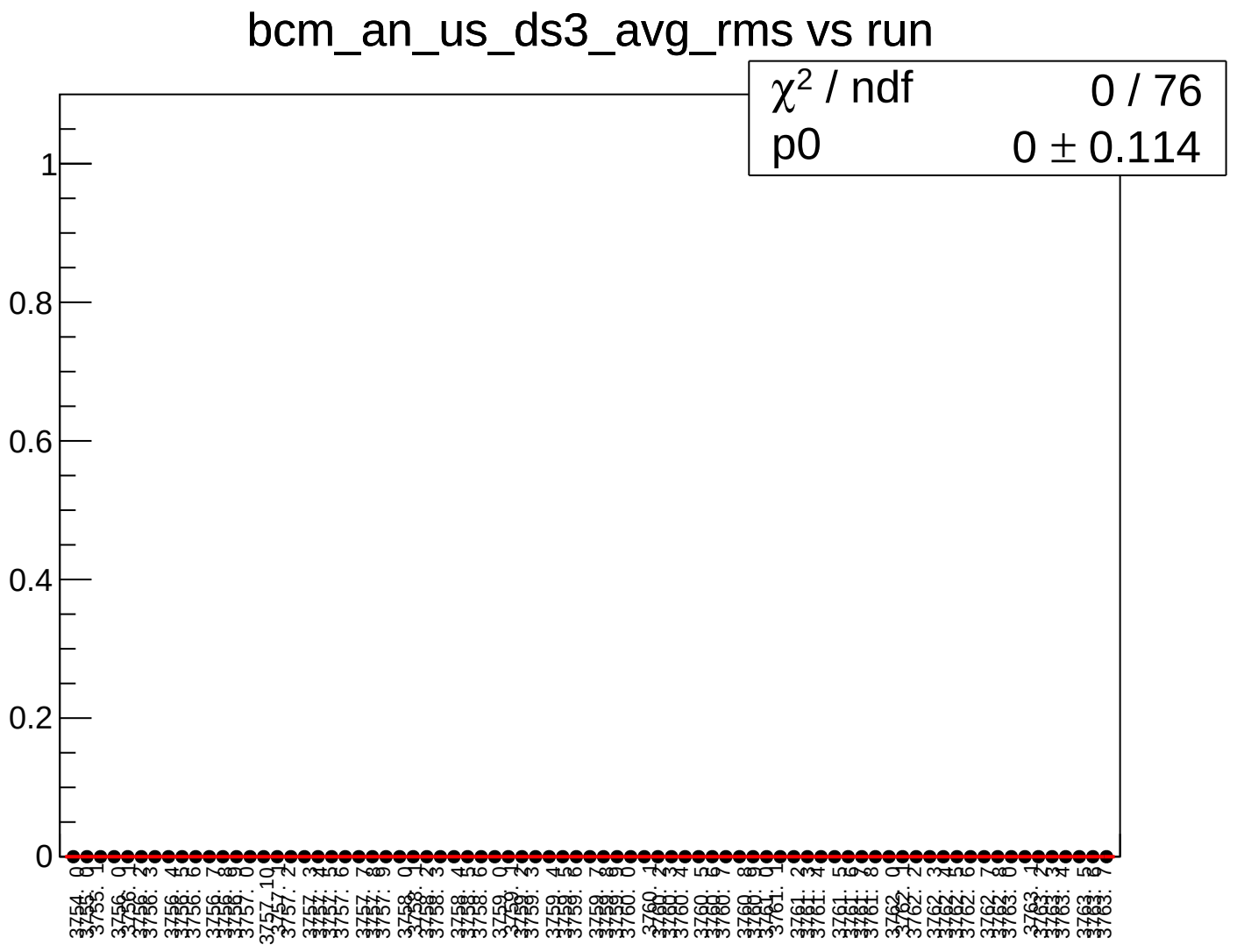

bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 91.22 / 76
p0 37.13 ± 33.12
pull
Entries 77
Mean 224
Std Dev 187.3

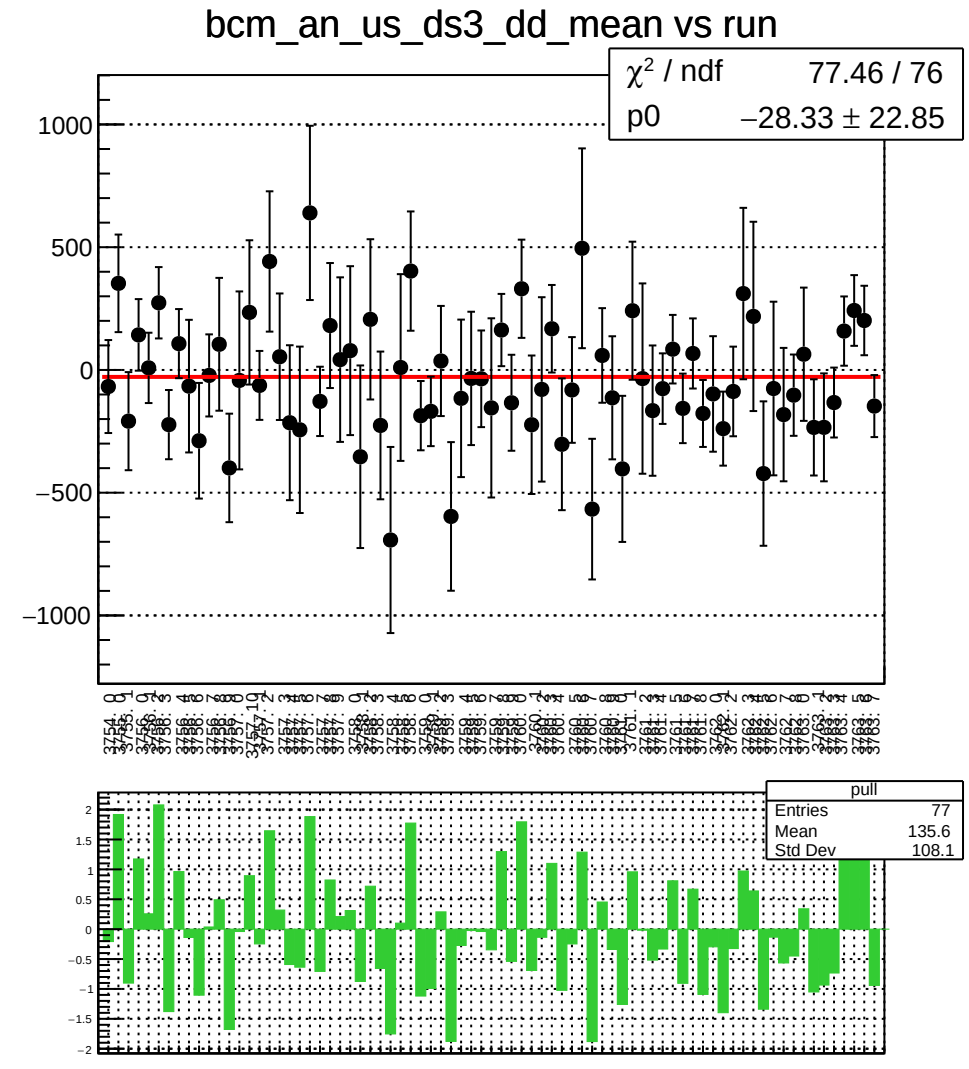

pull1D
Entries 77
Mean 0.009032
Std Dev 1.088

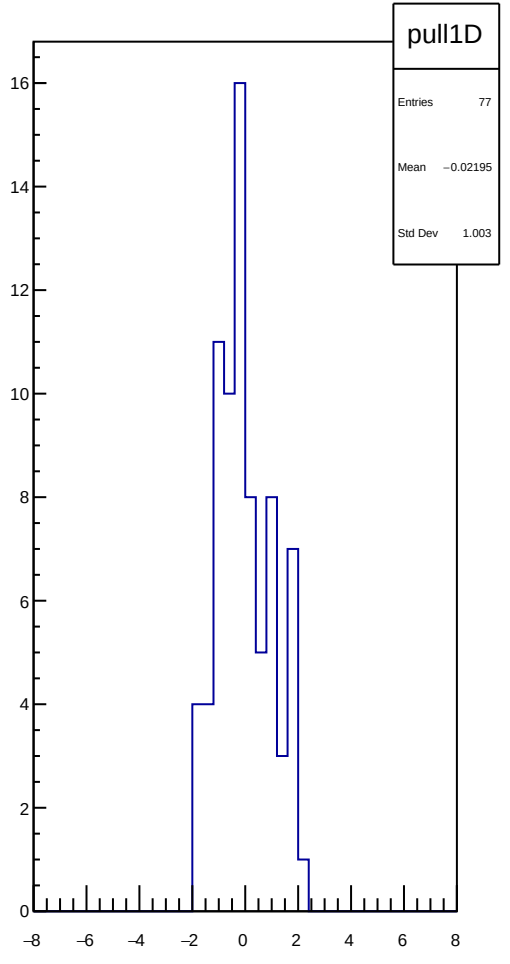

bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1690 / 76
p0 28.46 ± 0.02342
31
30
29
28
27
26
25

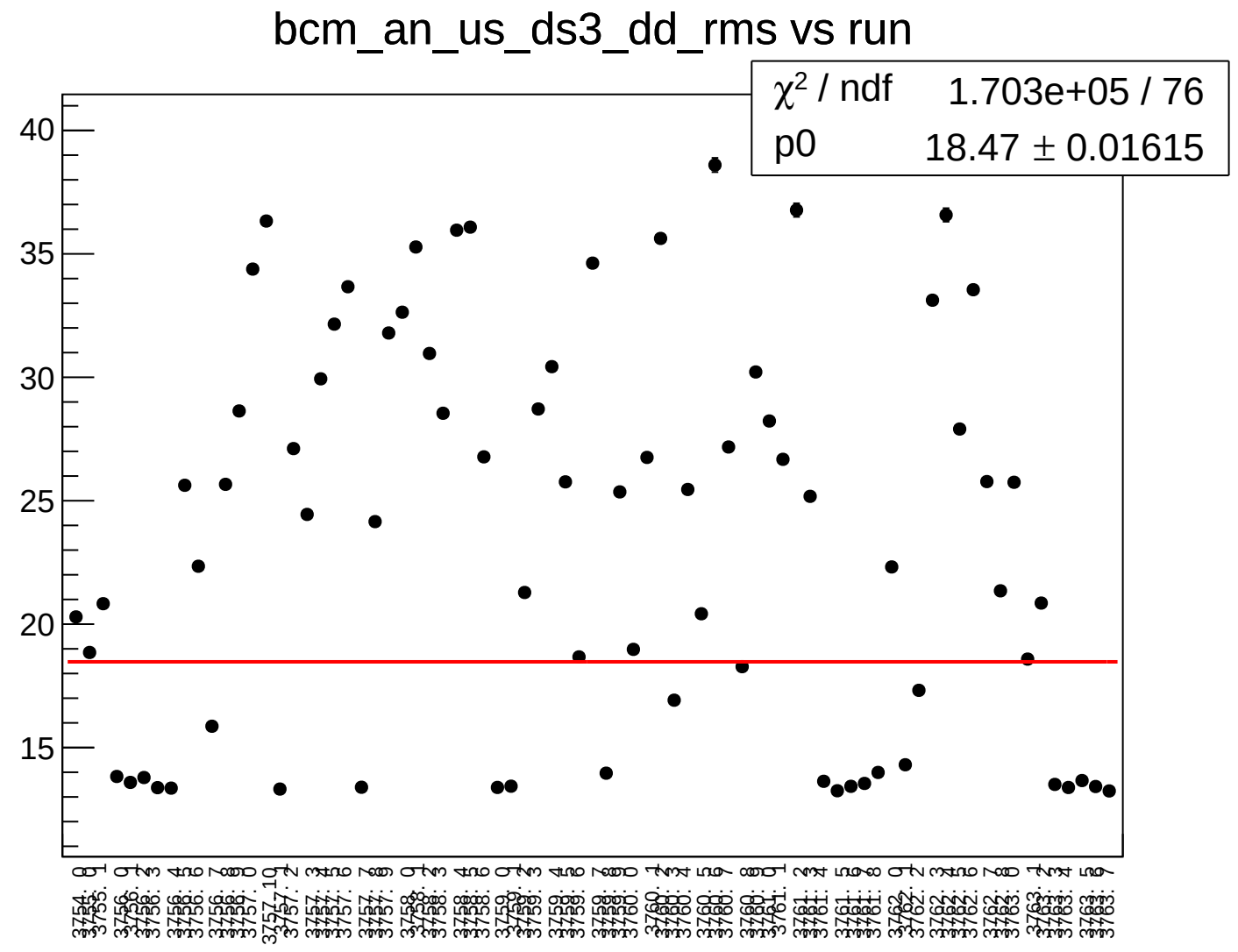

bcm_an_us_ds3_avg_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

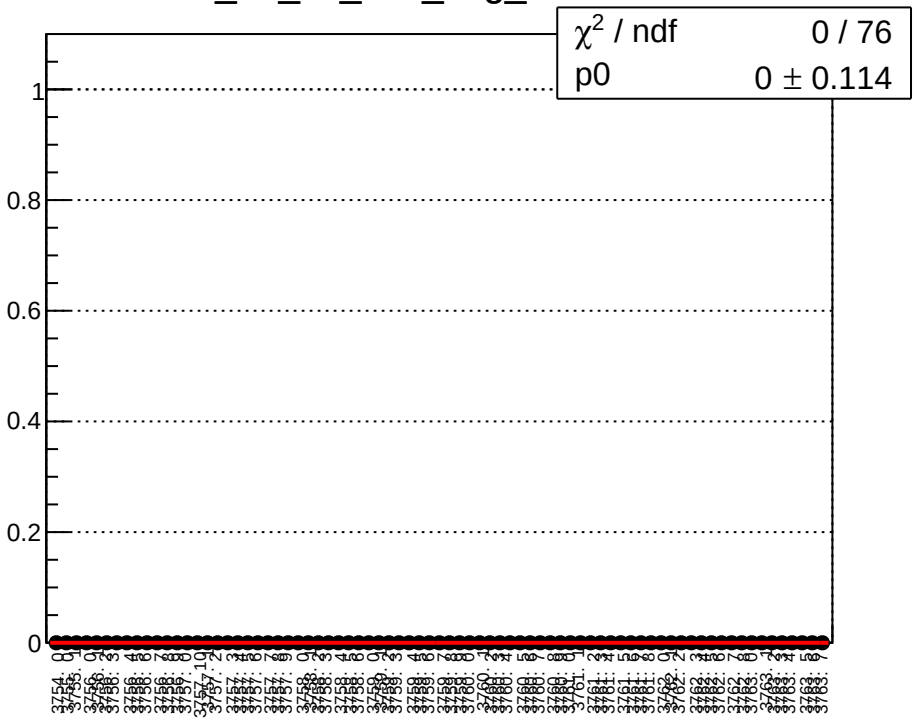

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

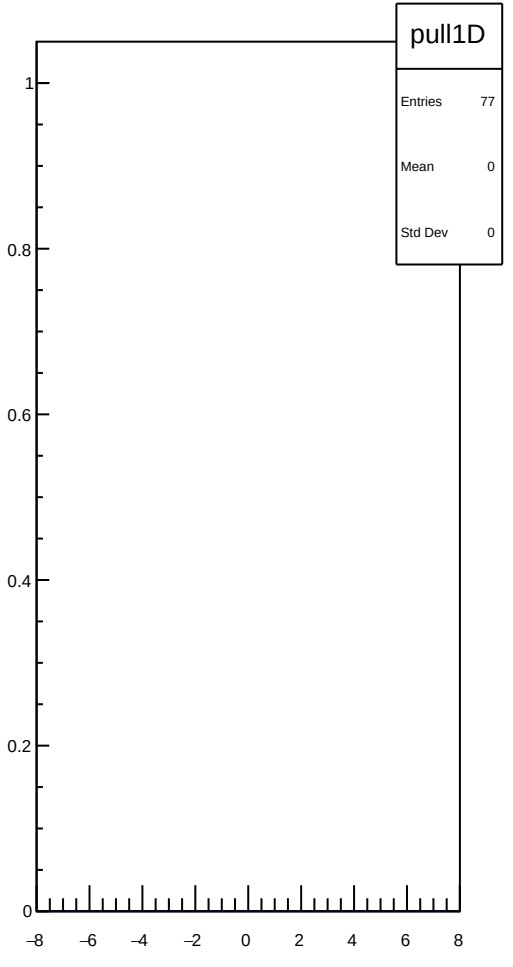

bcm_an_us_ds3_avg_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

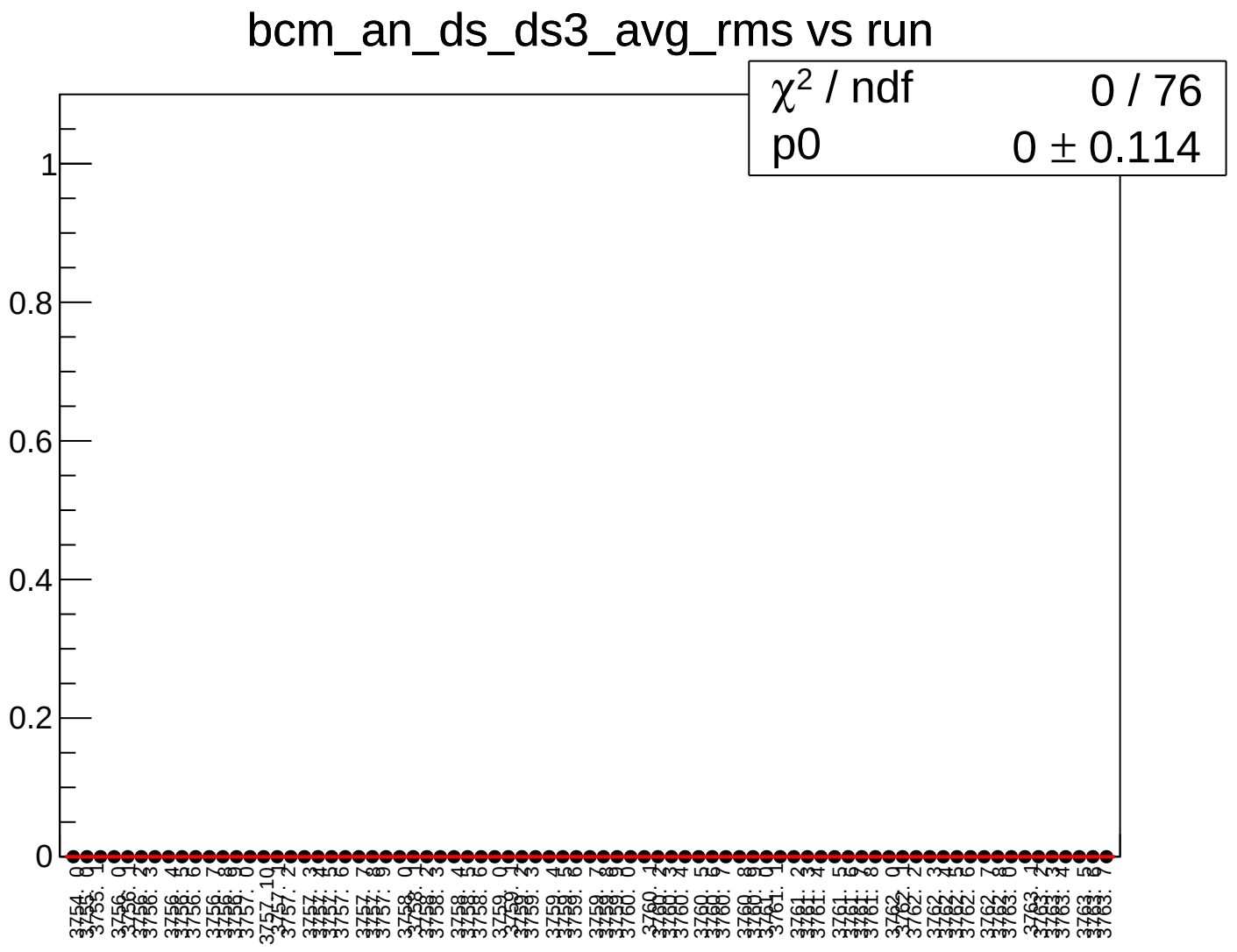

bcm_an_us_ds3_dd_mean vs run
χ² / ndf 77.46 / 76
p0 −28.33 ± 22.85
1000
500
0
−500
−1000
pull
Entries 77
Mean 135.6
Std Dev 108.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

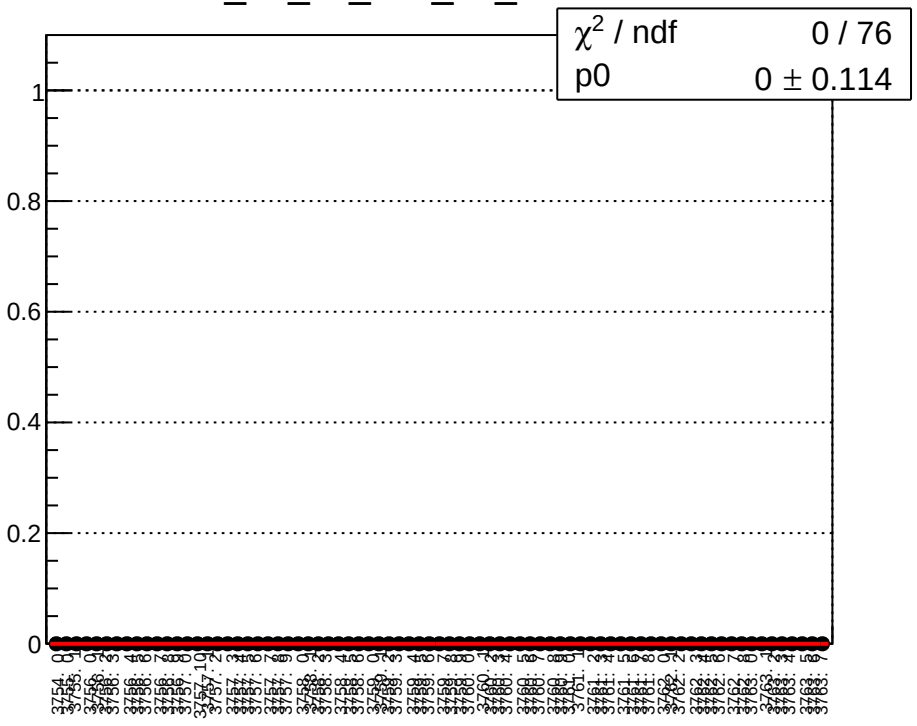

pull1D
Entries 77
Mean −0.02195
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

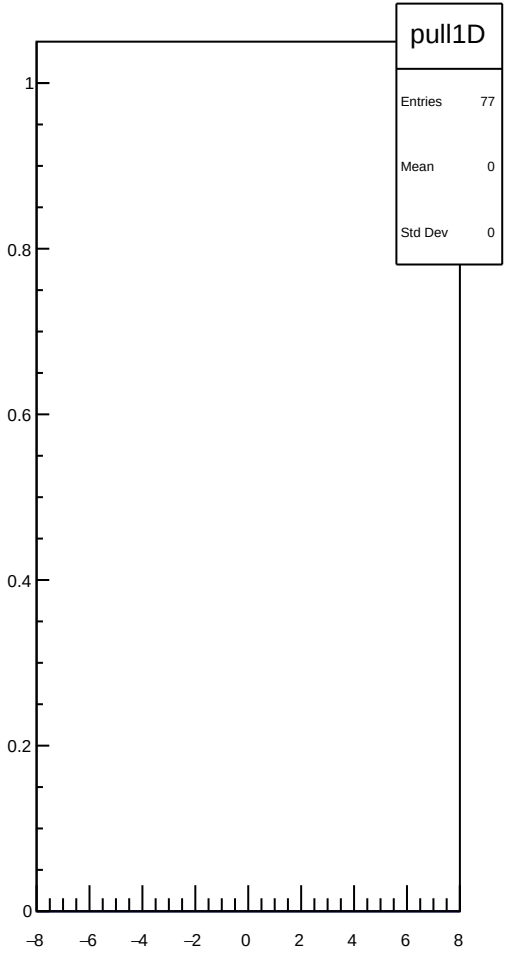

bcm_an_us_ds3_dd_rms vs run
χ^2 / ndf 1.703e+05 / 76
p0 18.47 ± 0.01615
40
35
30
25
20
15

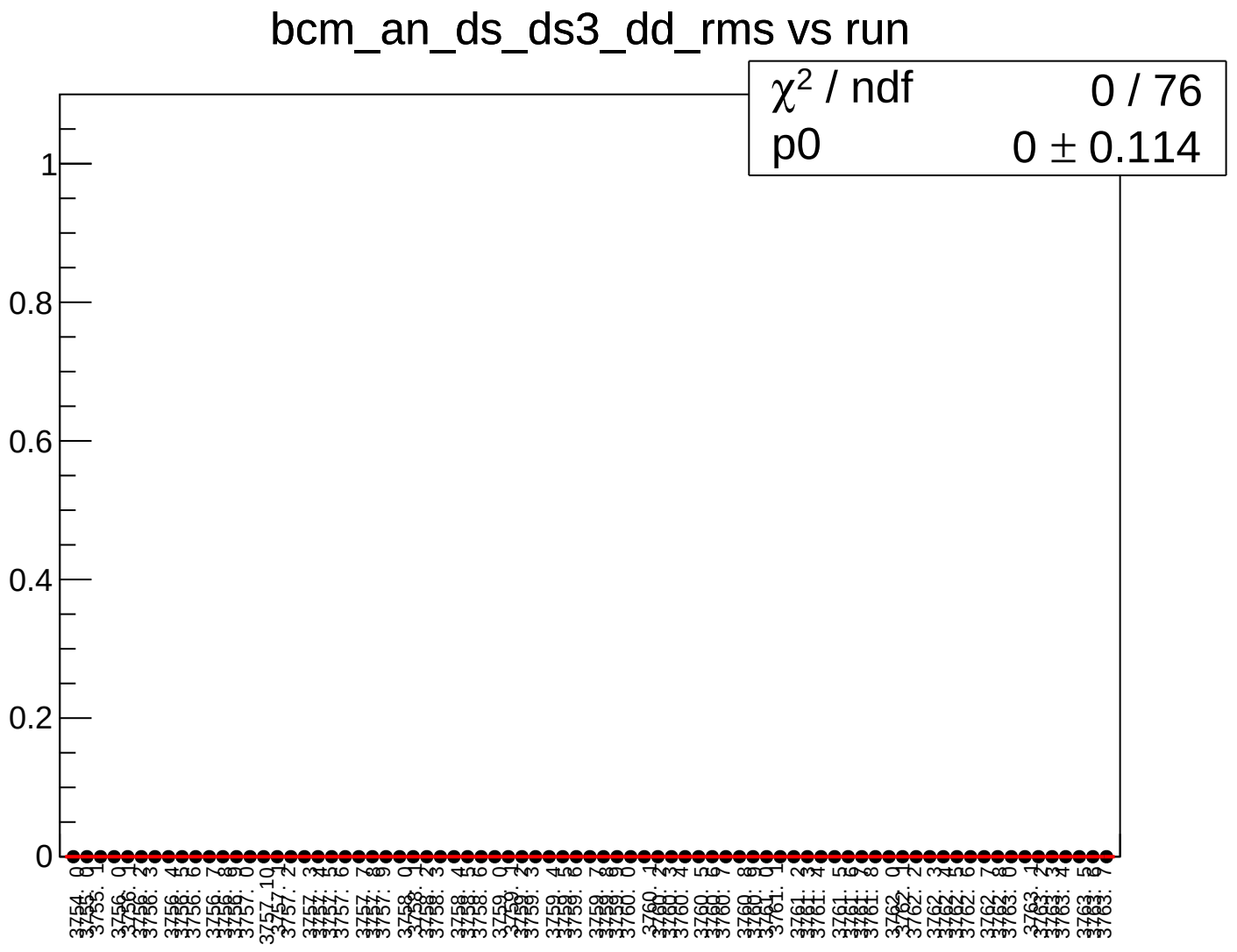

bcm_an_ds_ds3_avg_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

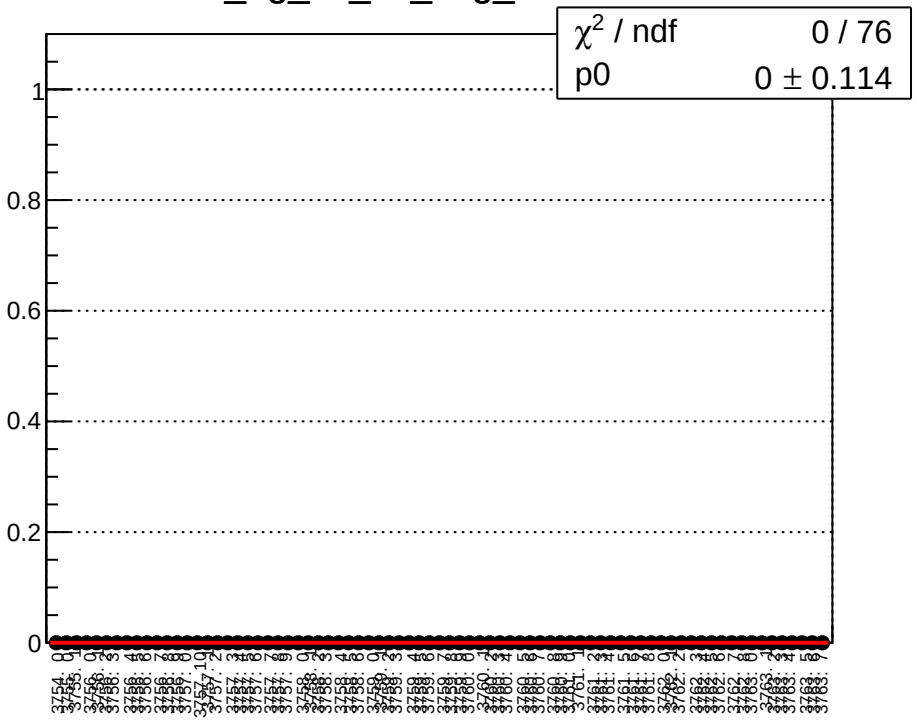

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

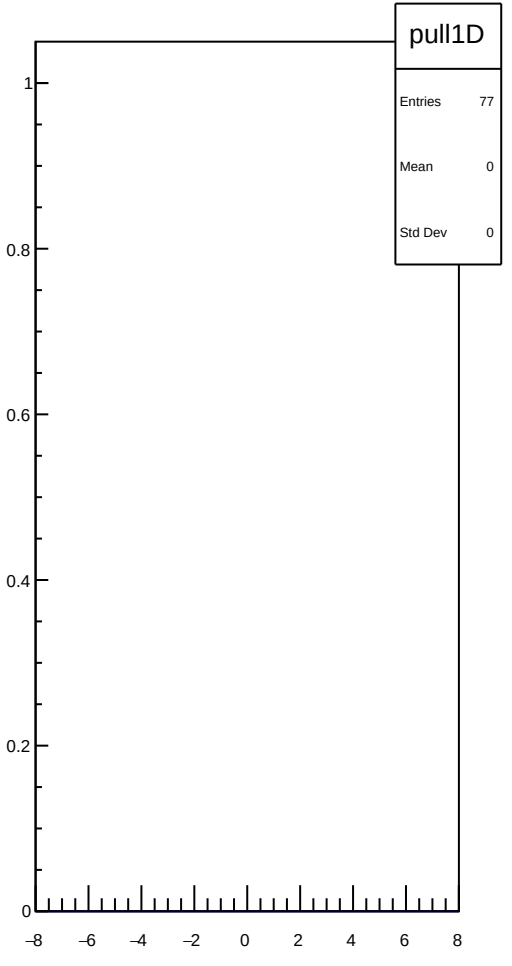

bcm_an_ds_ds3_avg_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

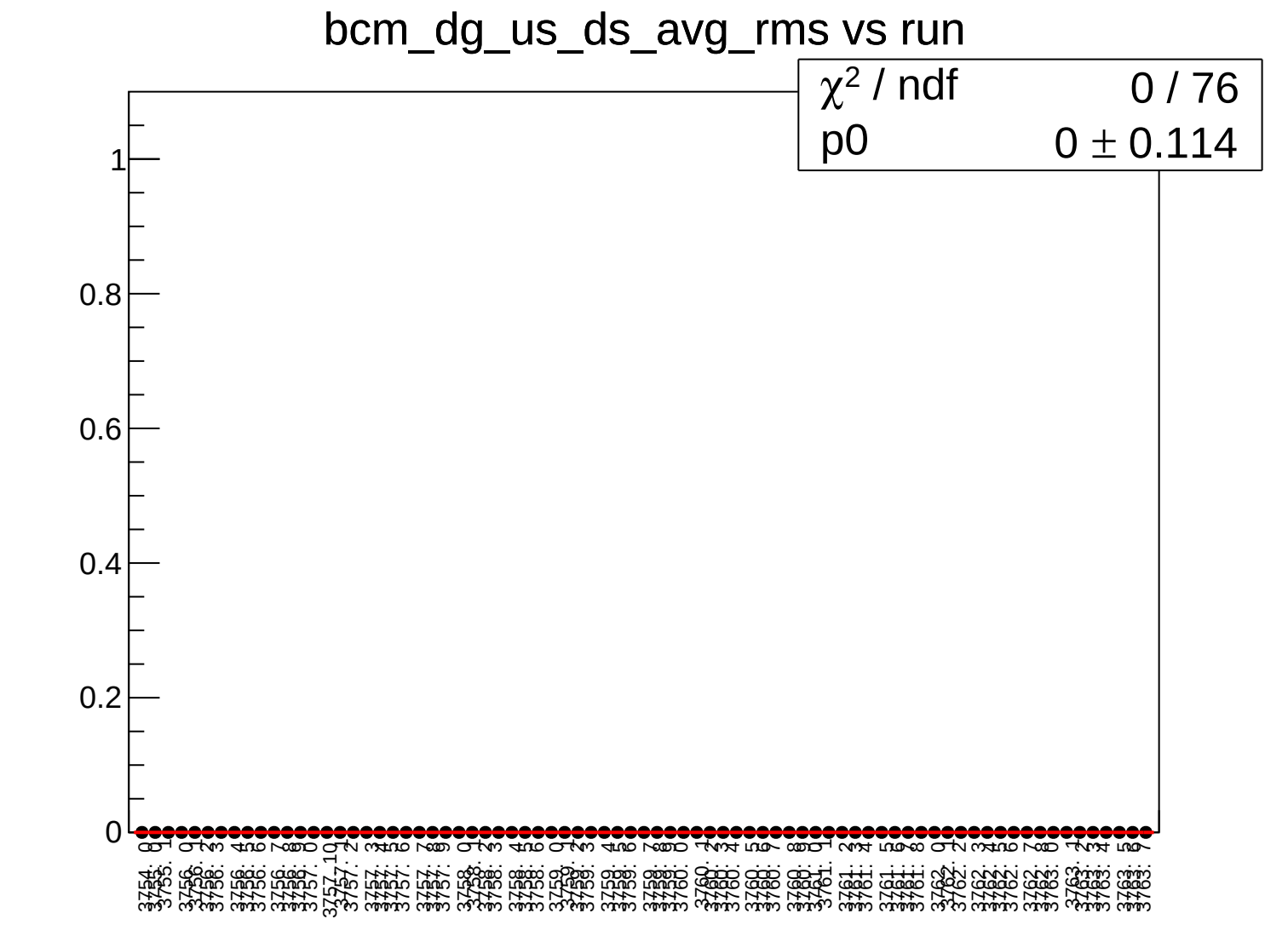

bcm_an_ds_ds3_dd_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

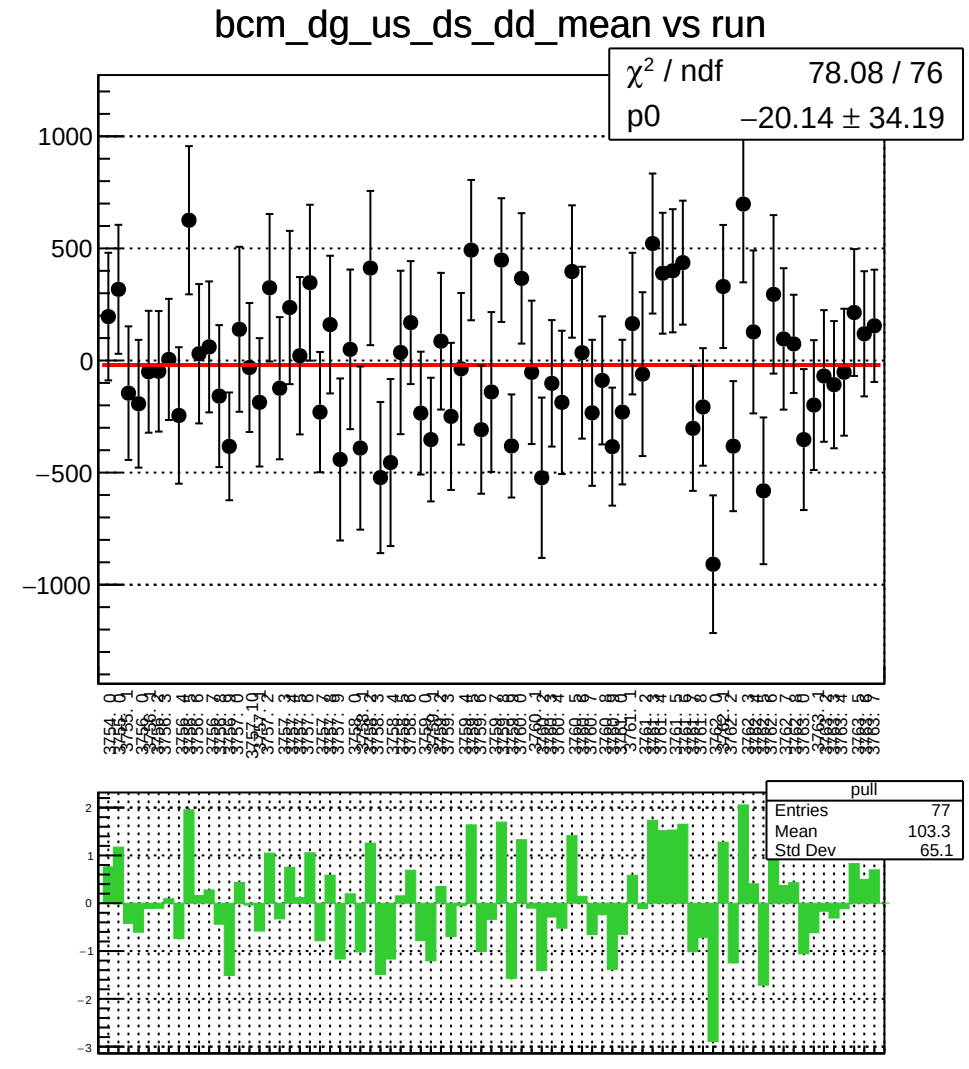

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

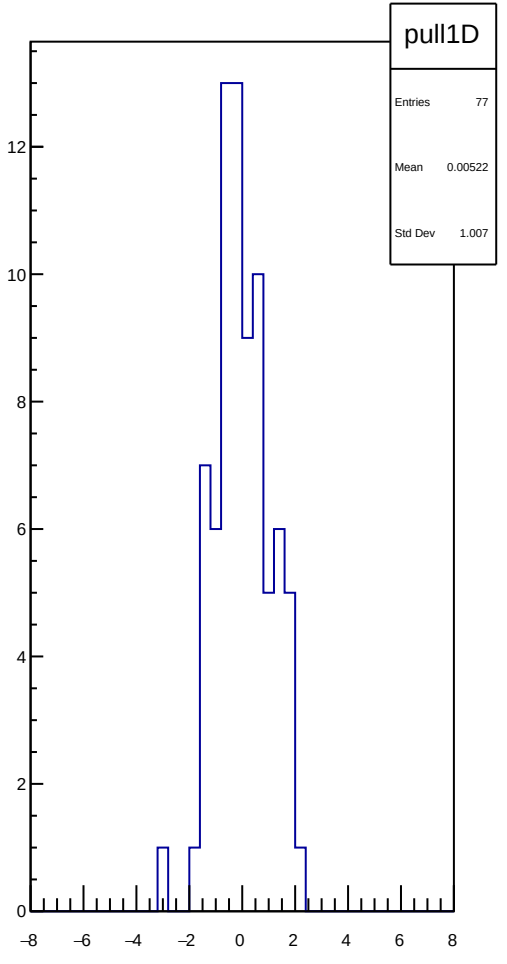

bcm_an_ds_ds3_dd_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

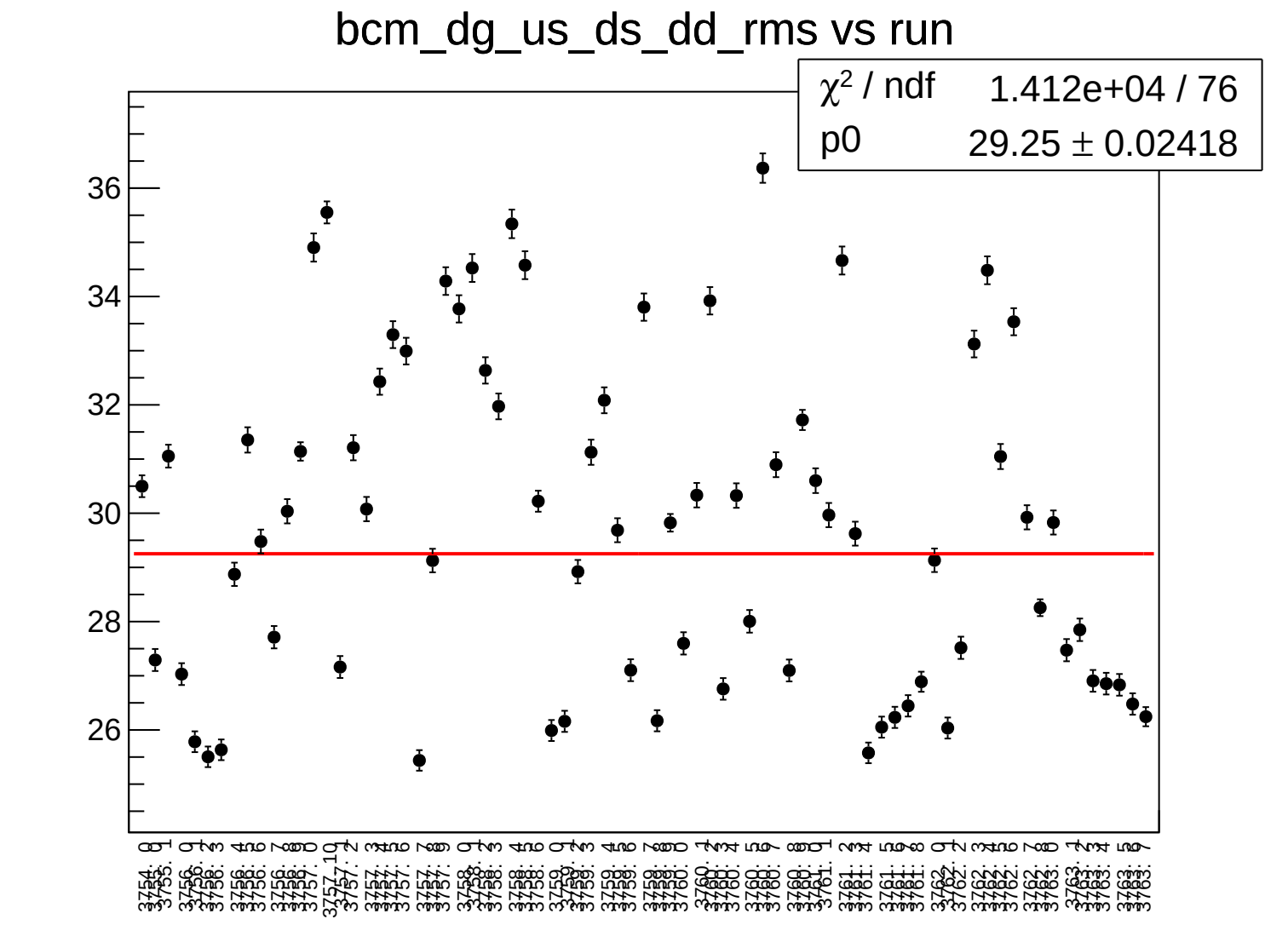

bcm_dg_us_ds_avg_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

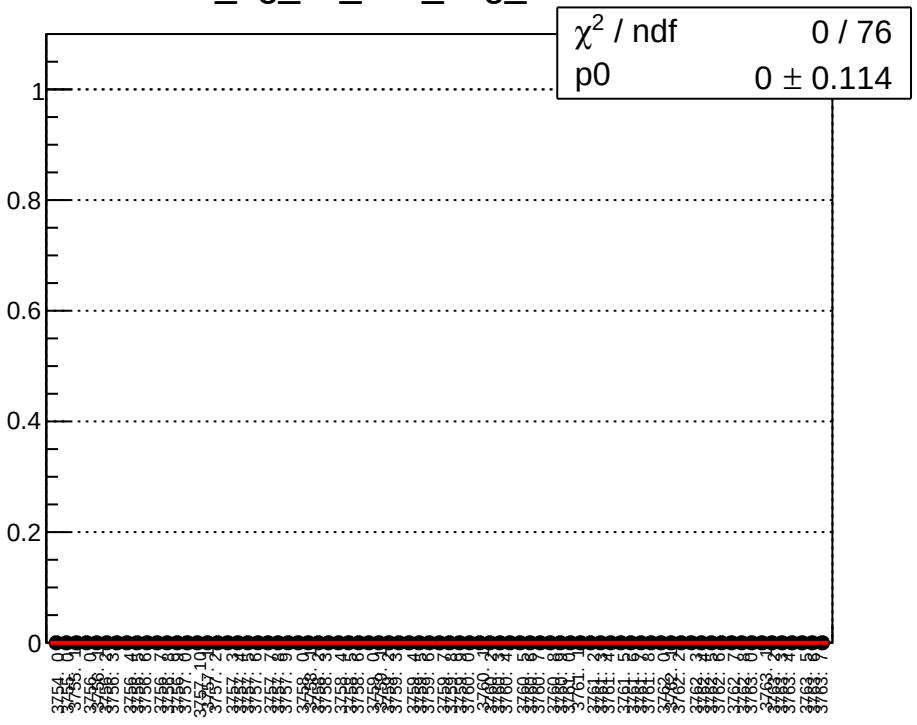

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

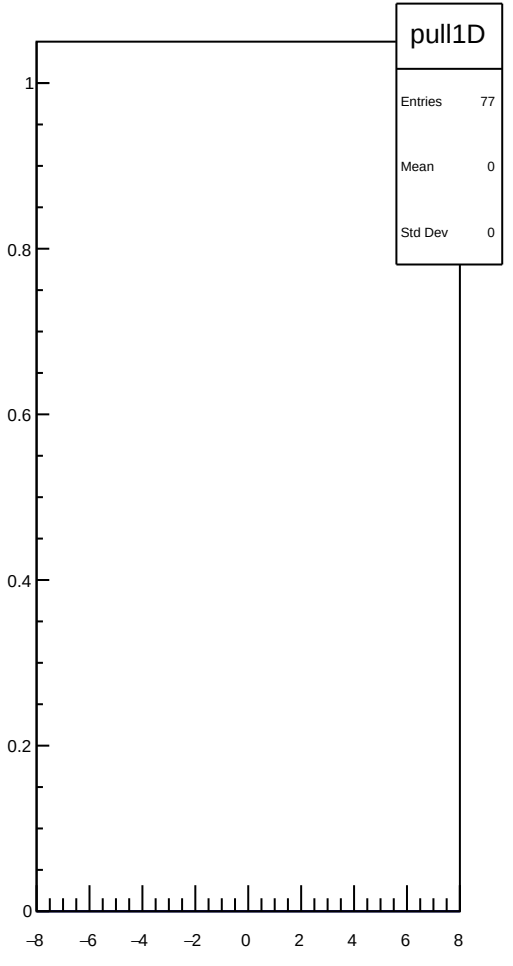

bcm_dg_us_ds_avg_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

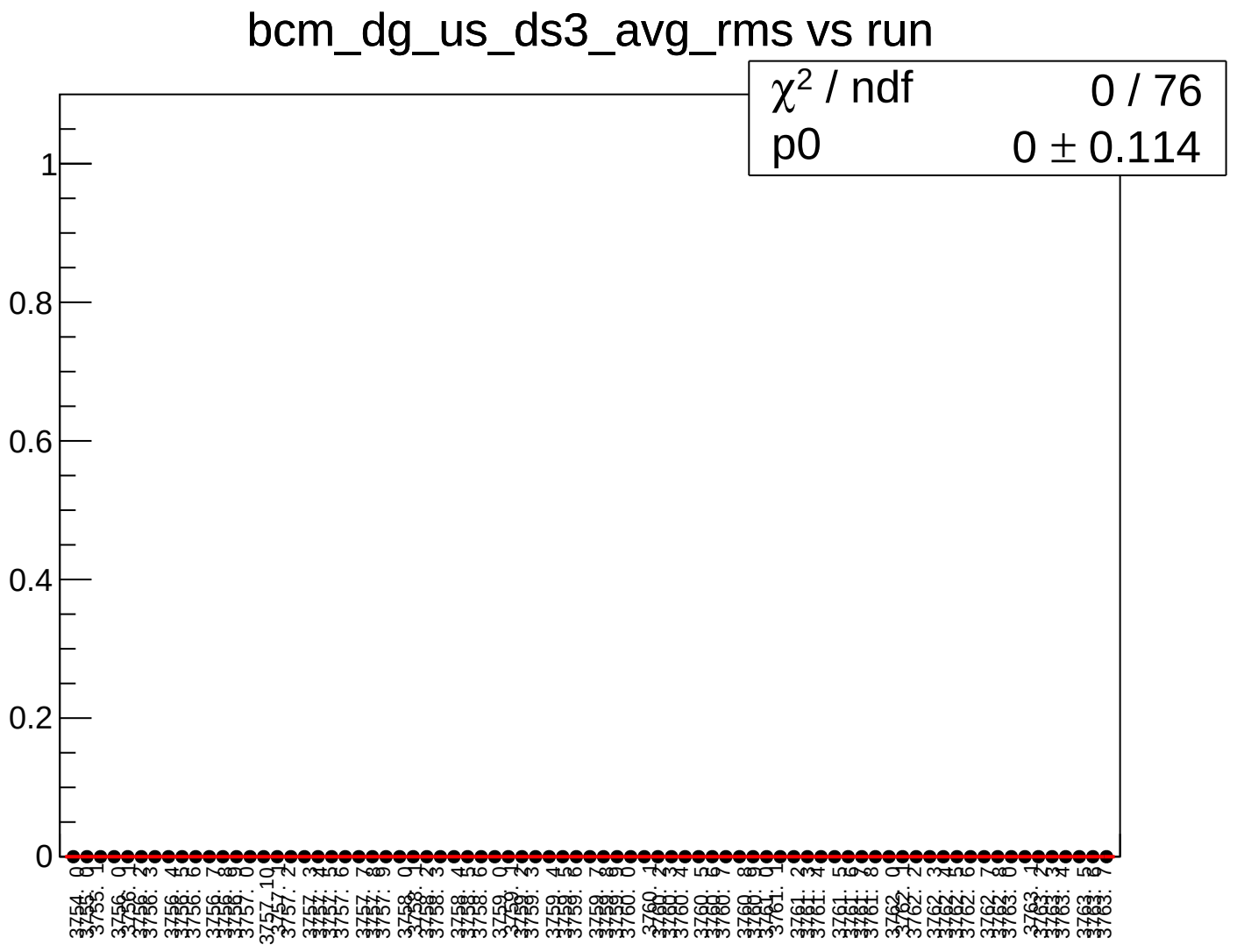

bcm_dg_us_ds_dd_mean vs run
χ² / ndf 78.08 / 76
p0 −20.14 ± 34.19
1000
500
0
−500
−1000
pull
Entries 77
Mean 103.3
Std Dev 65.1
2
1
0
−1
−2
−3

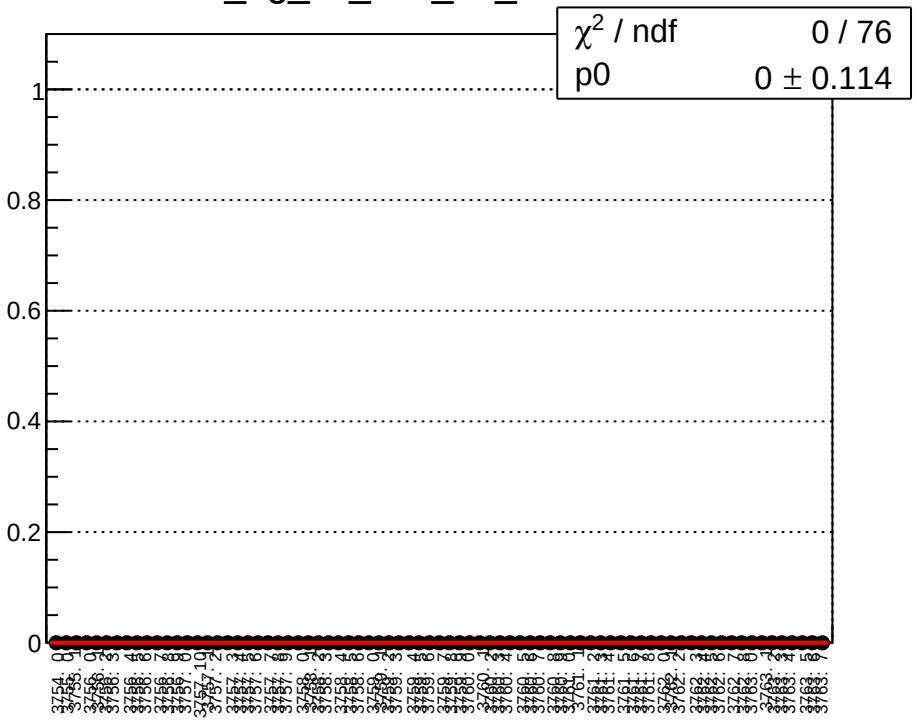

pull1D
Entries 77
Mean 0.00522
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

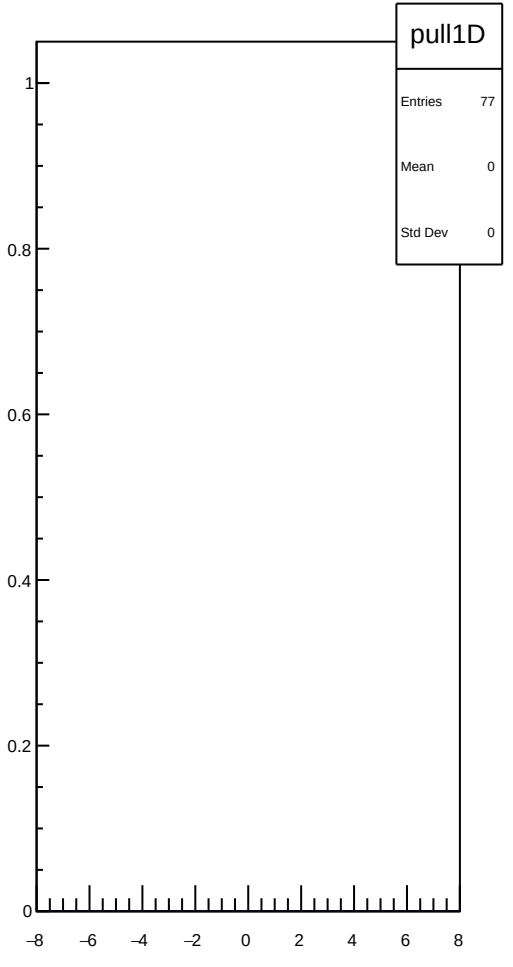

bcm_dg_us_ds_dd_rms vs run
χ² / ndf 1.412e+04 / 76
p0 29.25 ± 0.02418
36
34
32
30
28
26

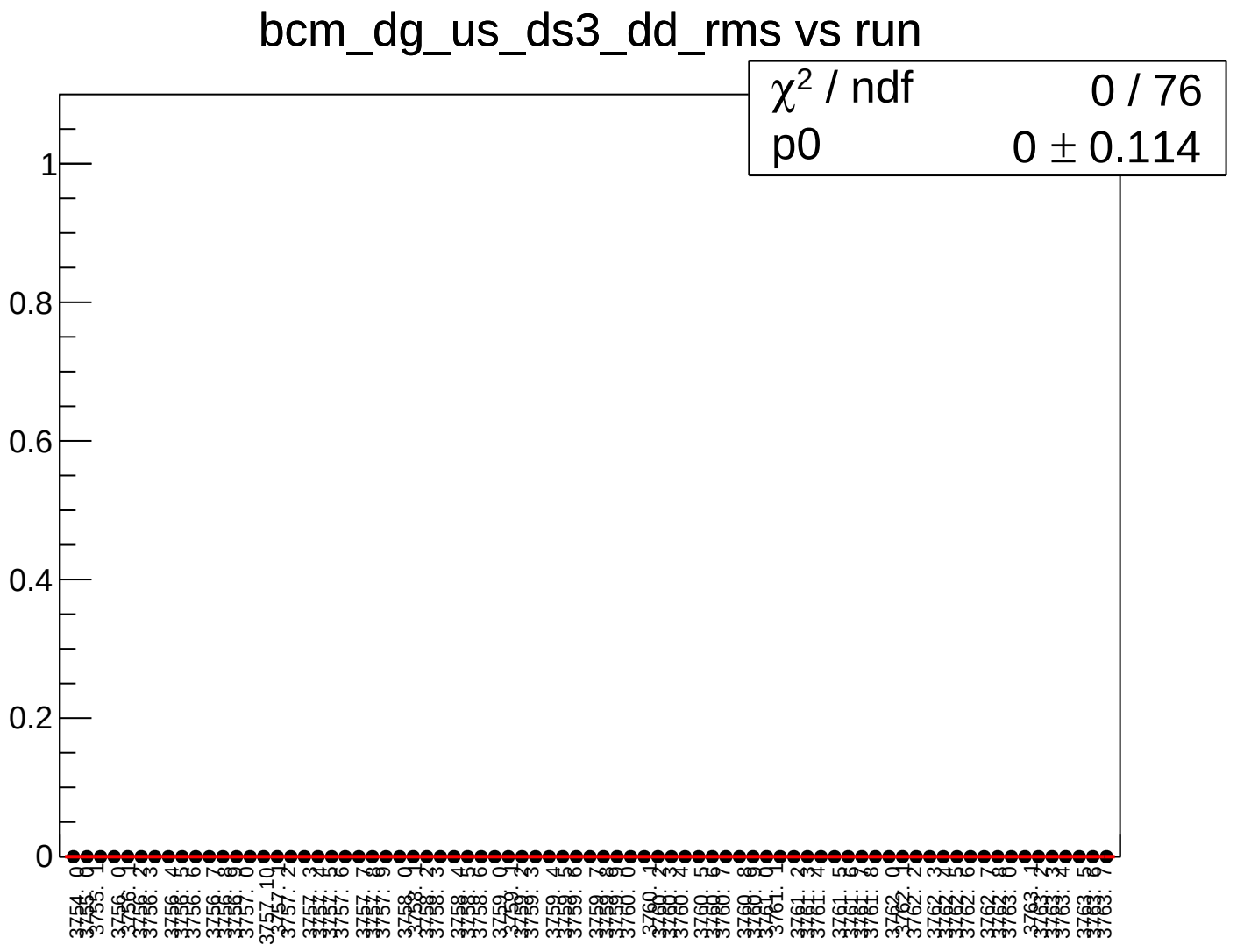

bcm_dg_us_ds3_avg_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

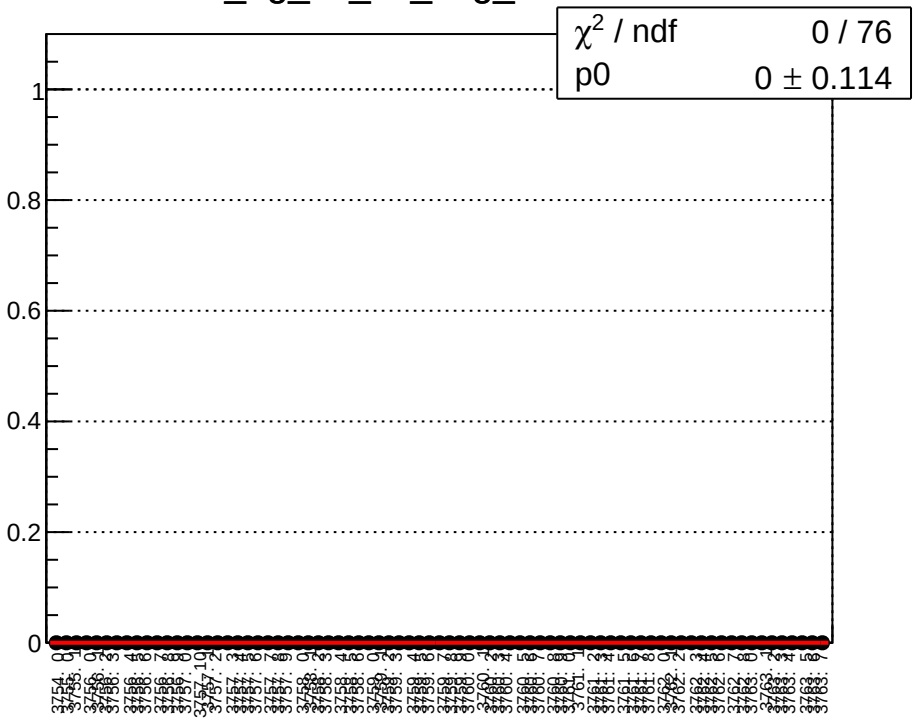

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

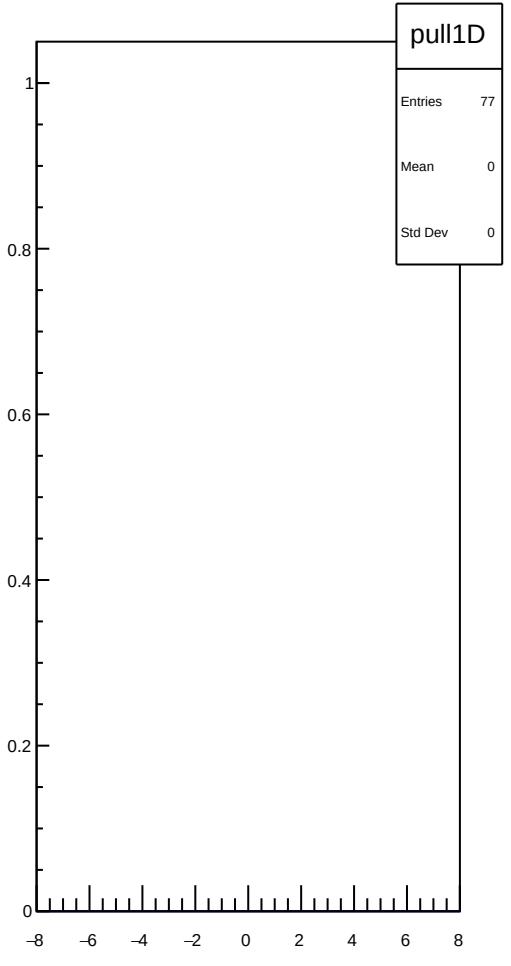

bcm_dg_us_ds3_avg_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

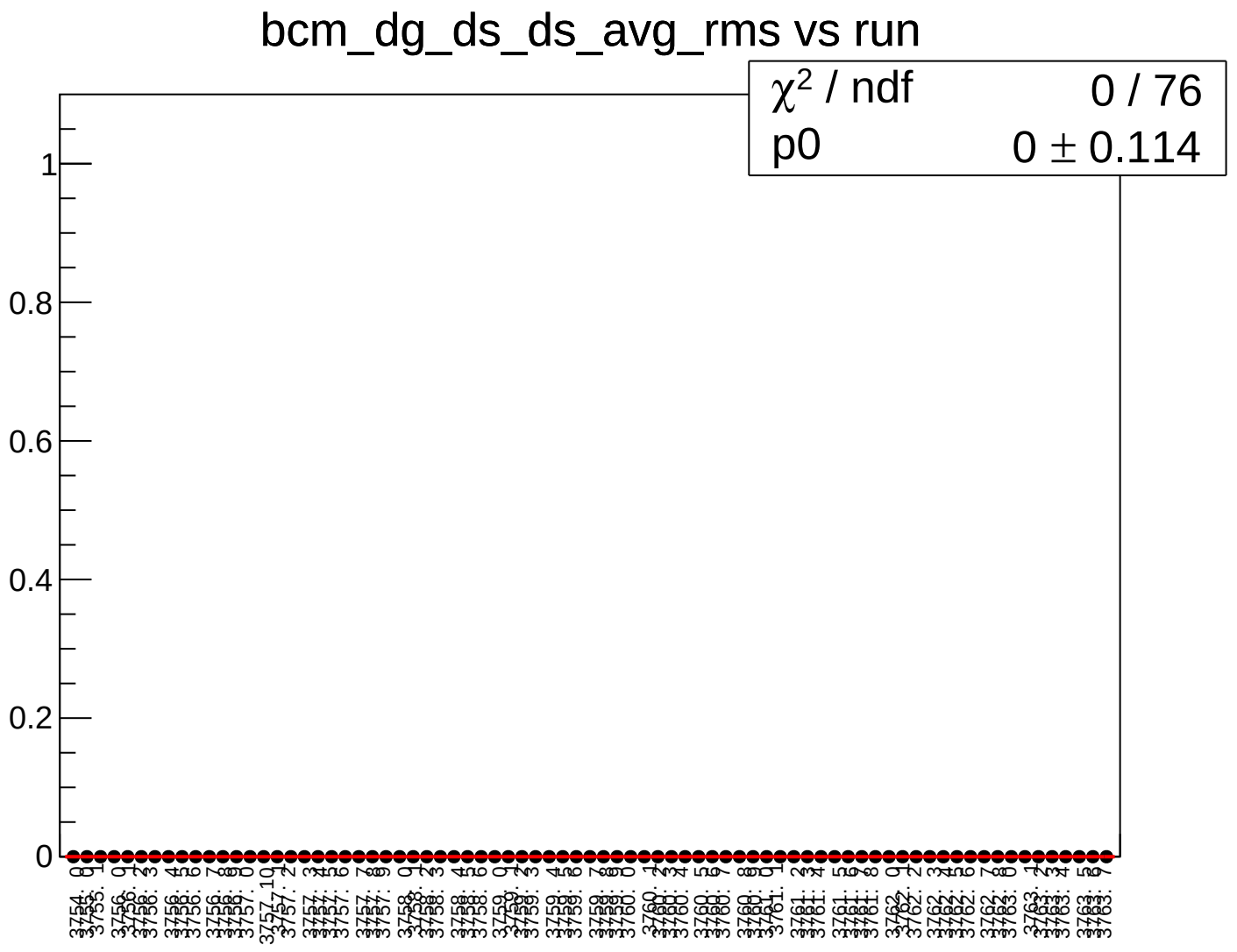

bcm_dg_us_ds3_dd_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

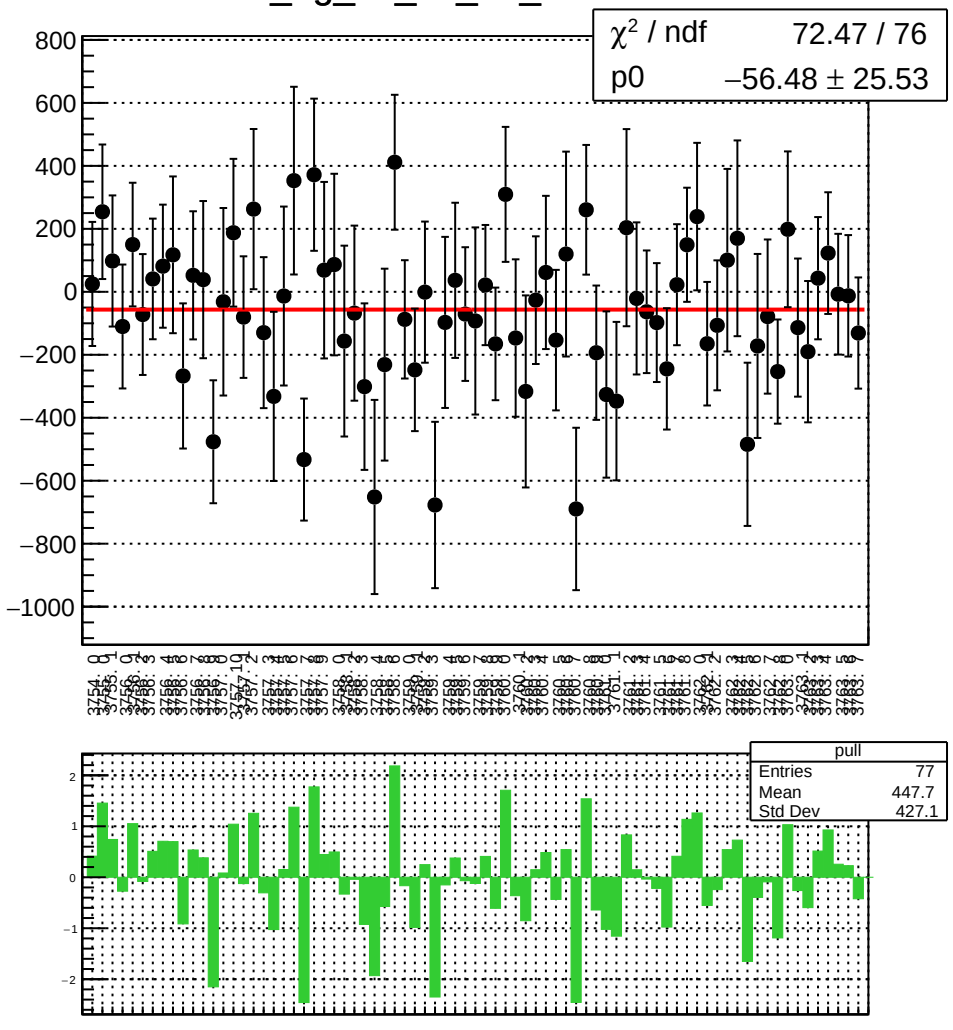

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

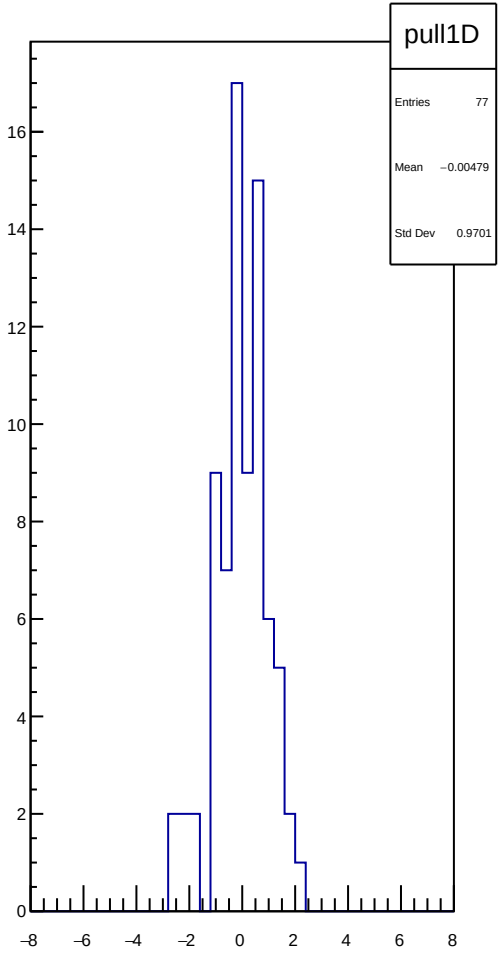

bcm_dg_us_ds3_dd_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

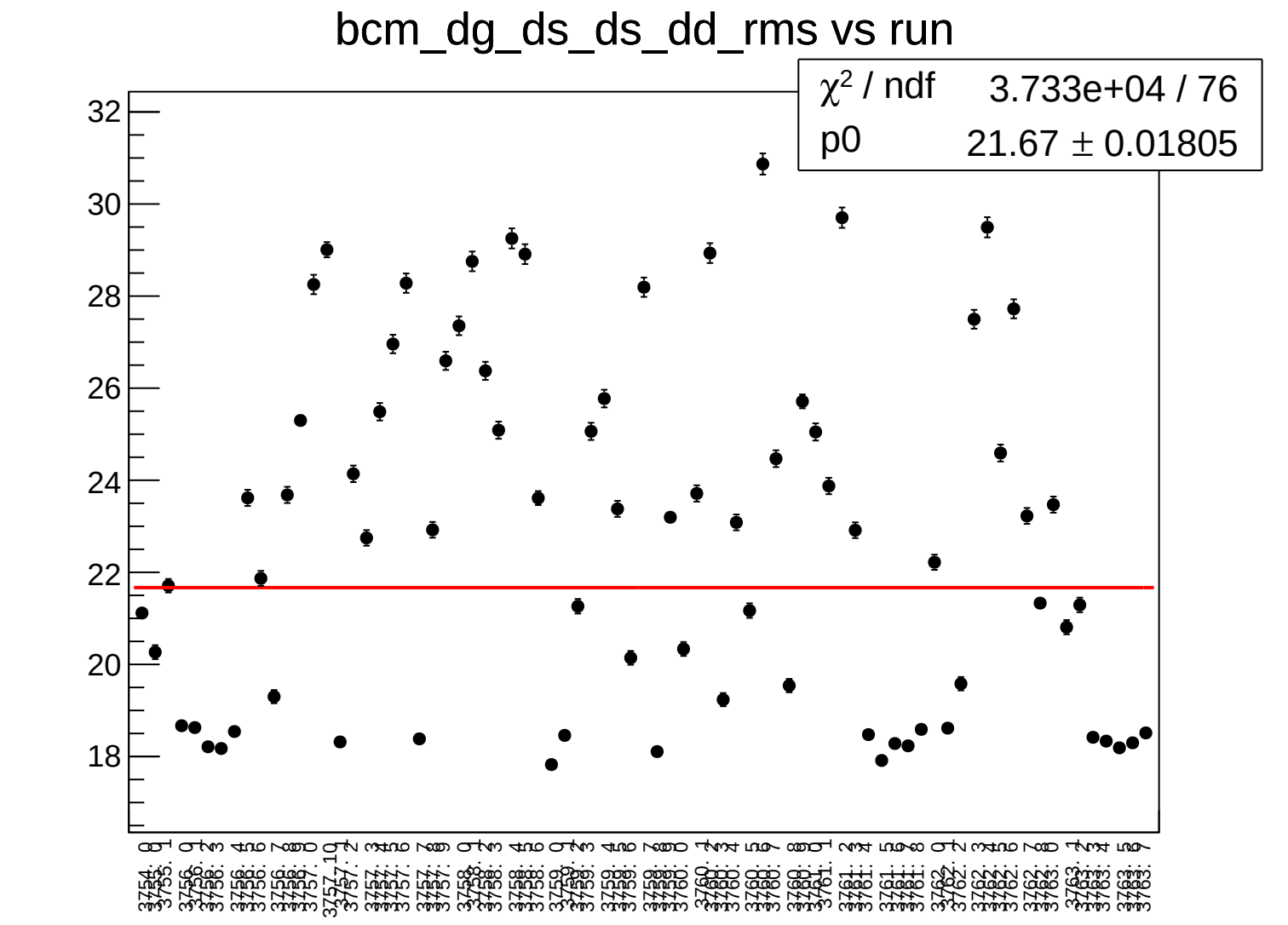

bcm_dg_ds_ds_avg_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

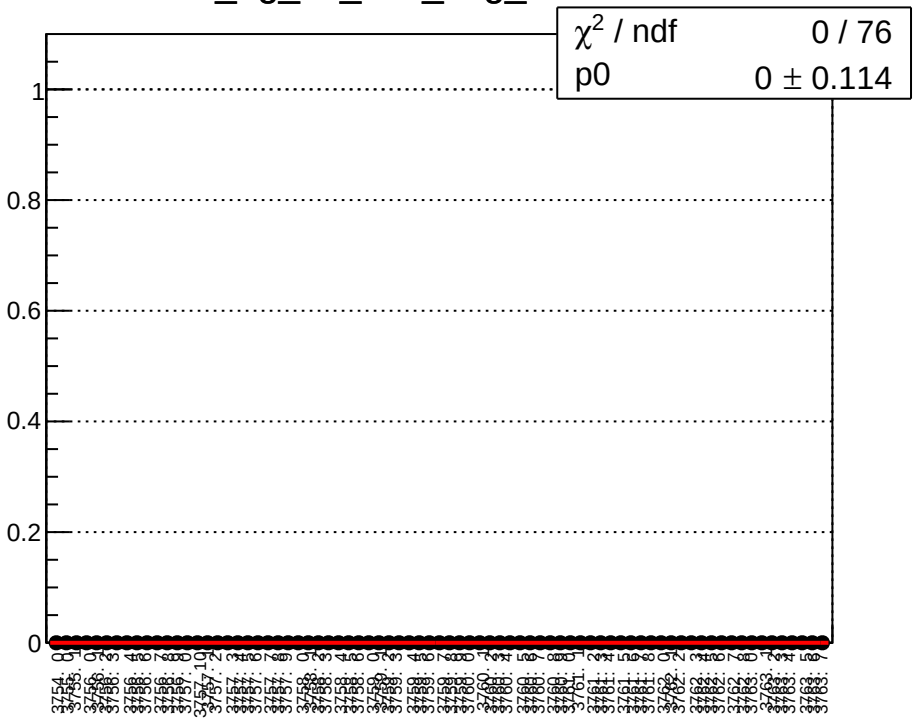

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

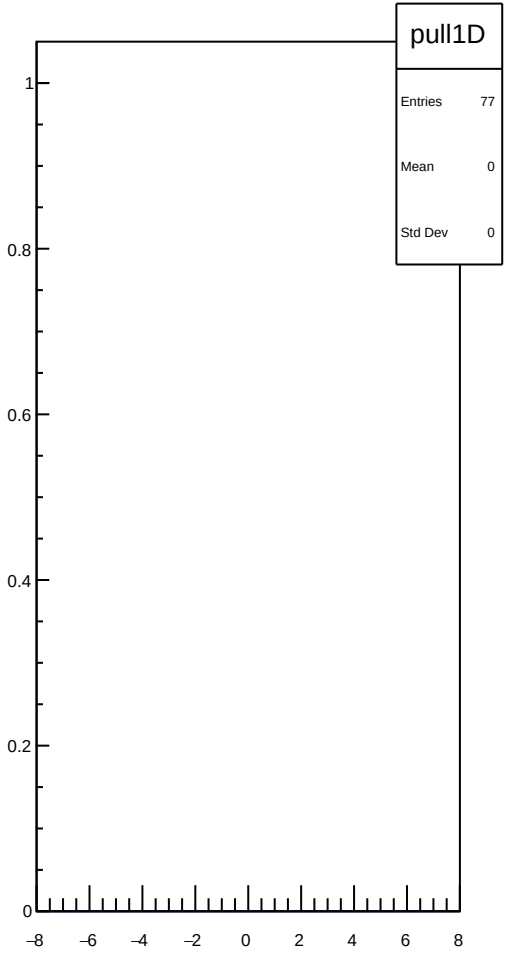

bcm_dg_ds_ds_avg_rms vs run
χ² / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

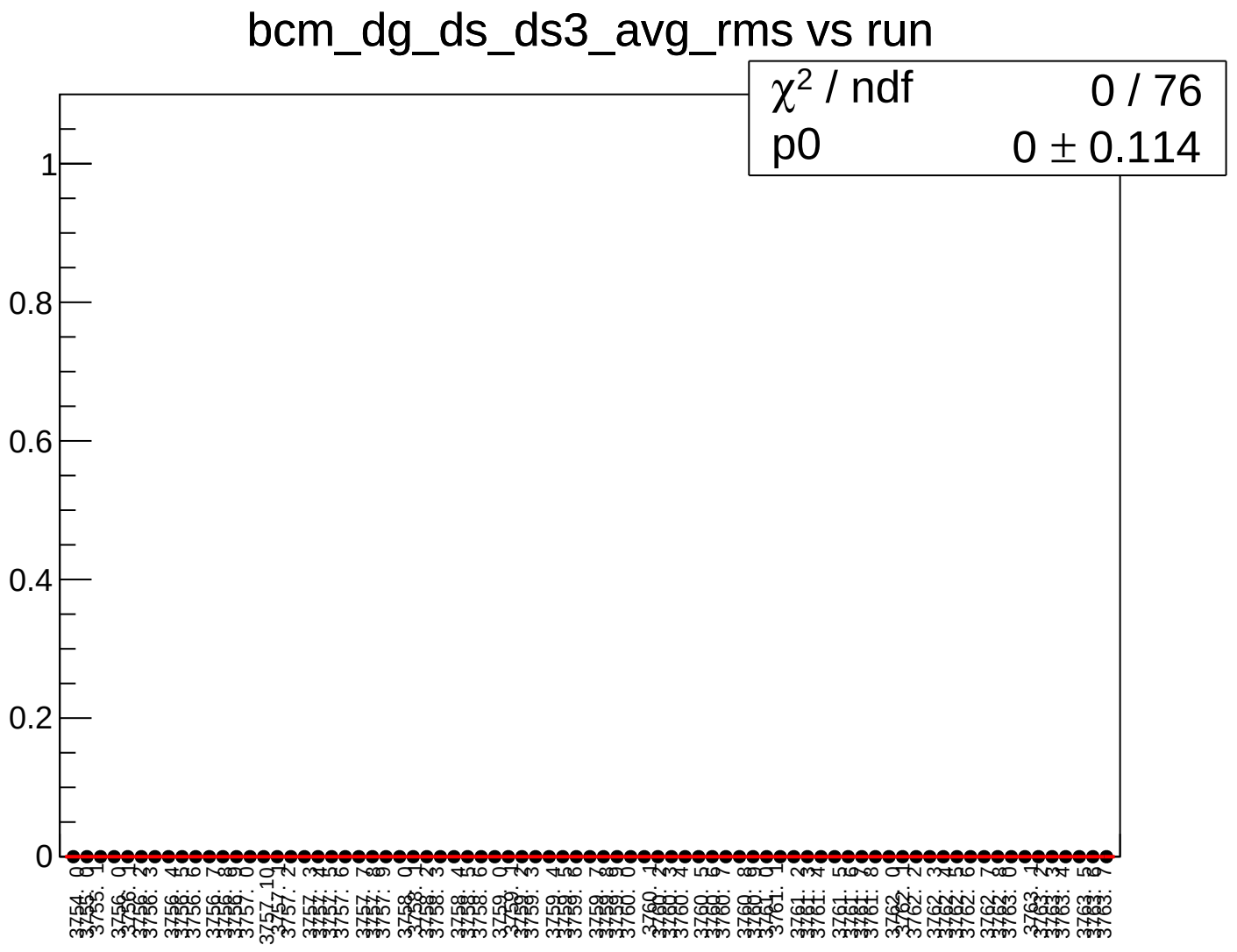

bcm_dg_ds_ds_dd_mean vs run
χ² / ndf 72.47 / 76
p0 −56.48 ± 25.53
pull
Entries 77
Mean 447.7
Std Dev 427.1

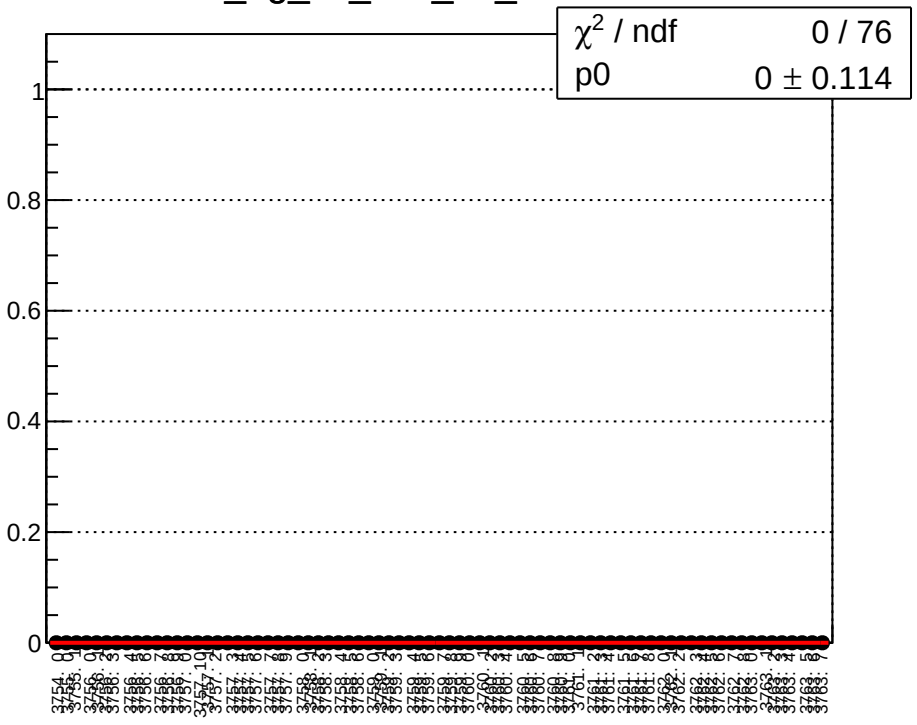

pull1D
Entries 77
Mean −0.00479
Std Dev 0.9701

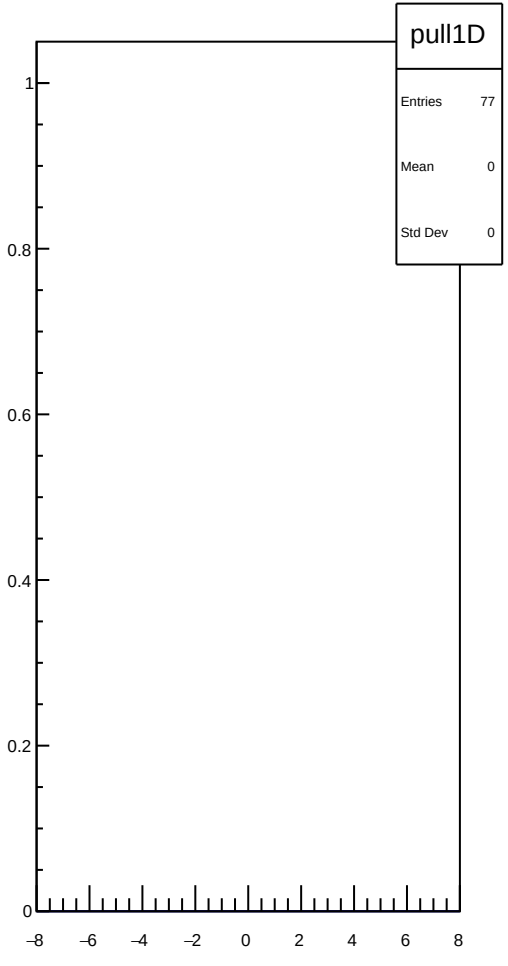

bcm_dg_ds_ds_dd_rms vs run
χ² / ndf 3.733e+04 / 76
p0 21.67 ± 0.01805
32
30
28
26
24
22
20
18

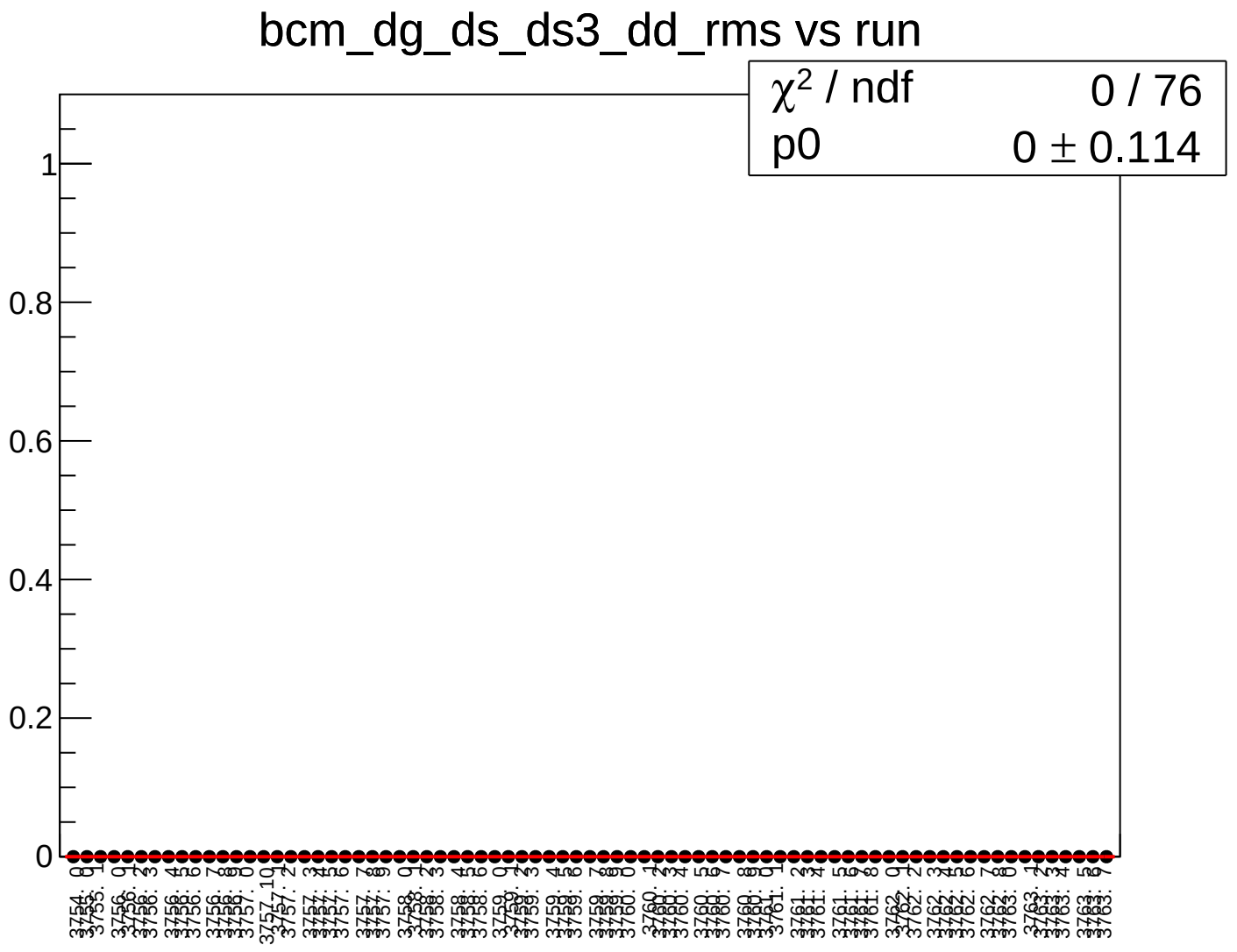

bcm_dg_ds_ds3_avg_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

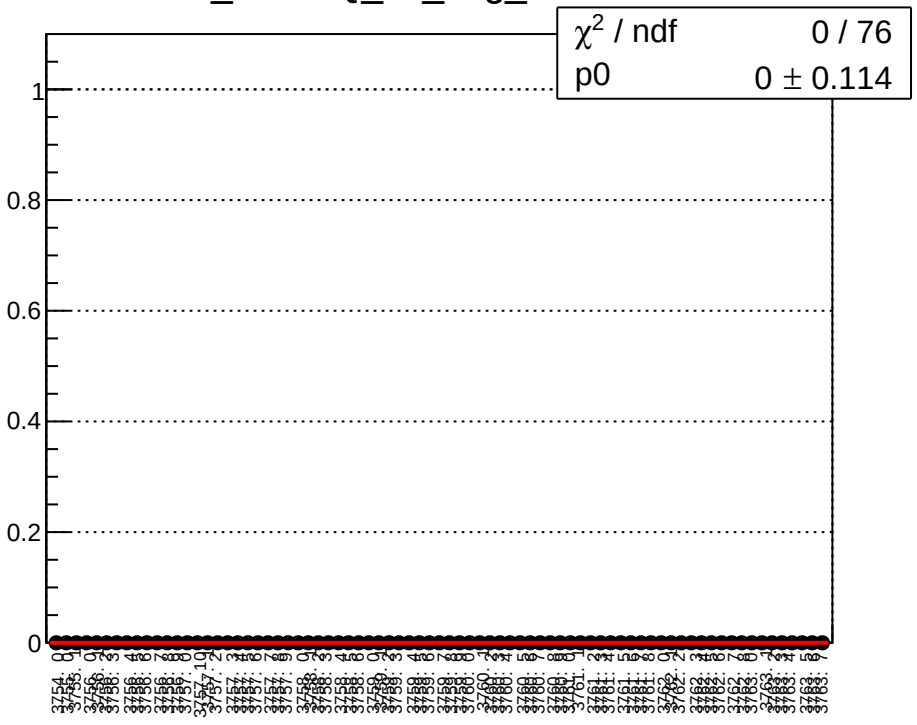

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

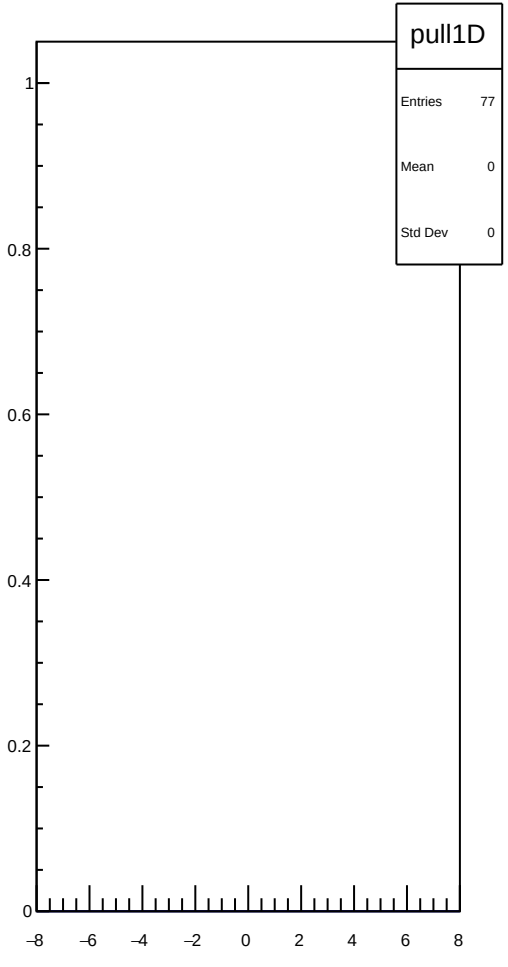

bcm_dg_ds_ds3_avg_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

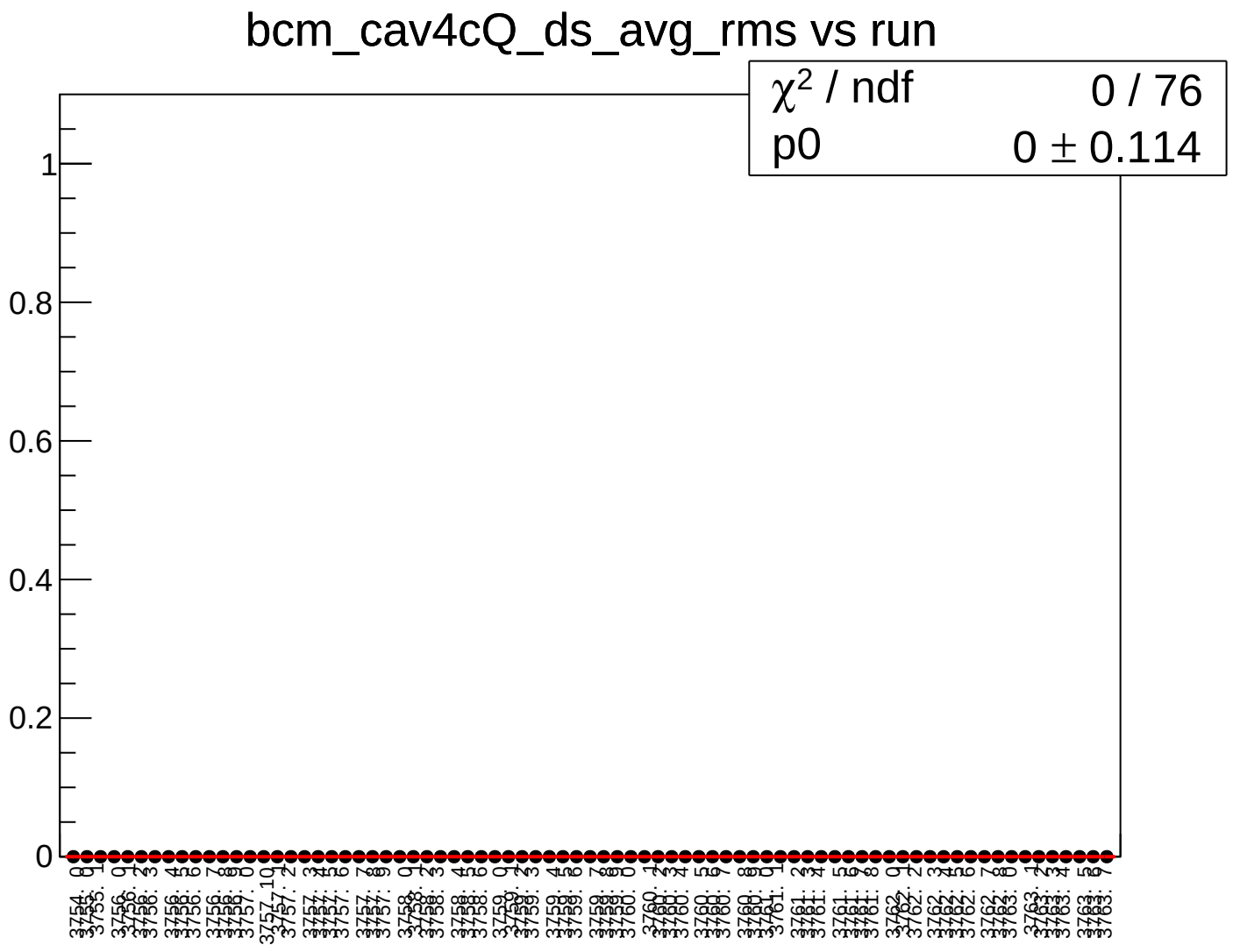

bcm_dg_ds_ds3_dd_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

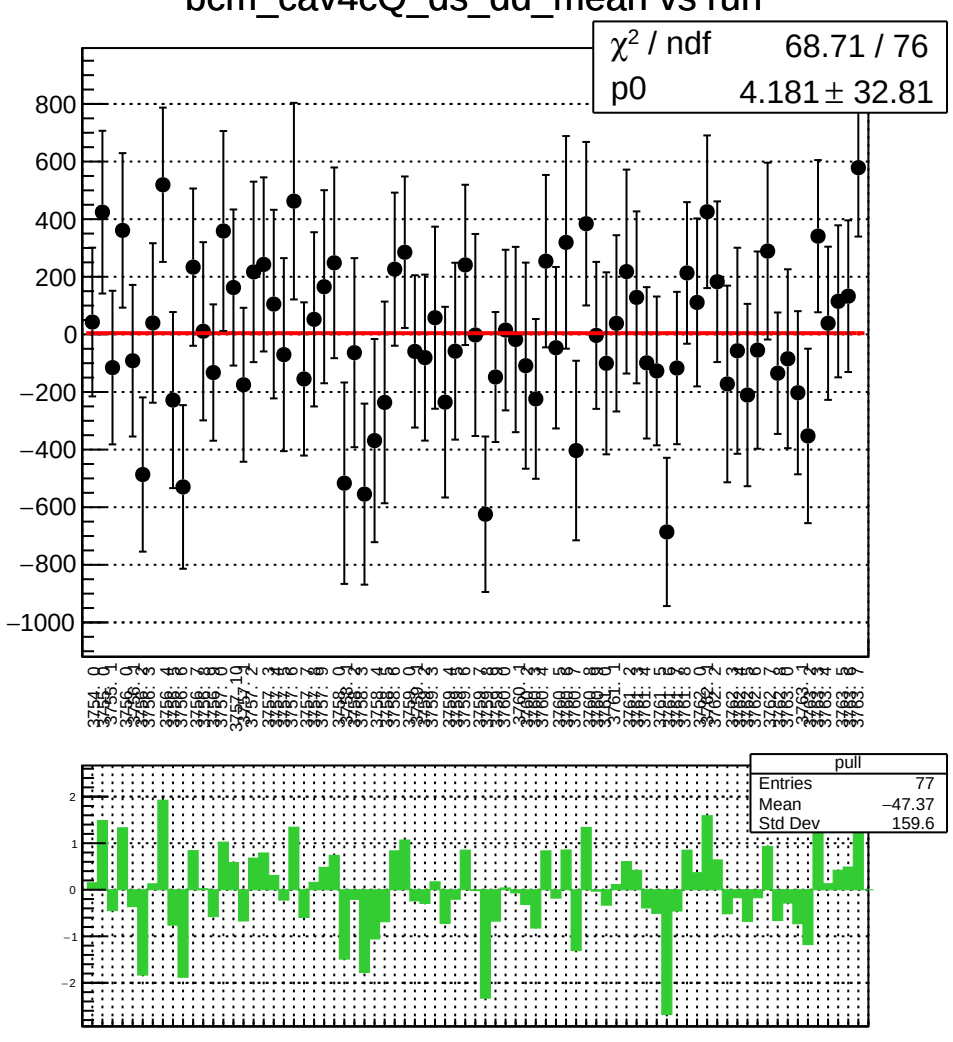

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

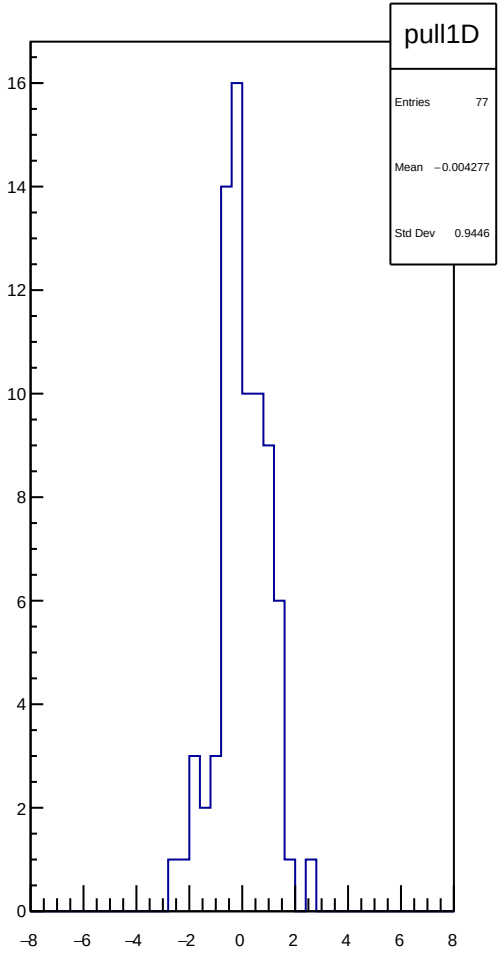

bcm_dg_ds_ds3_dd_rms vs run
χ² / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

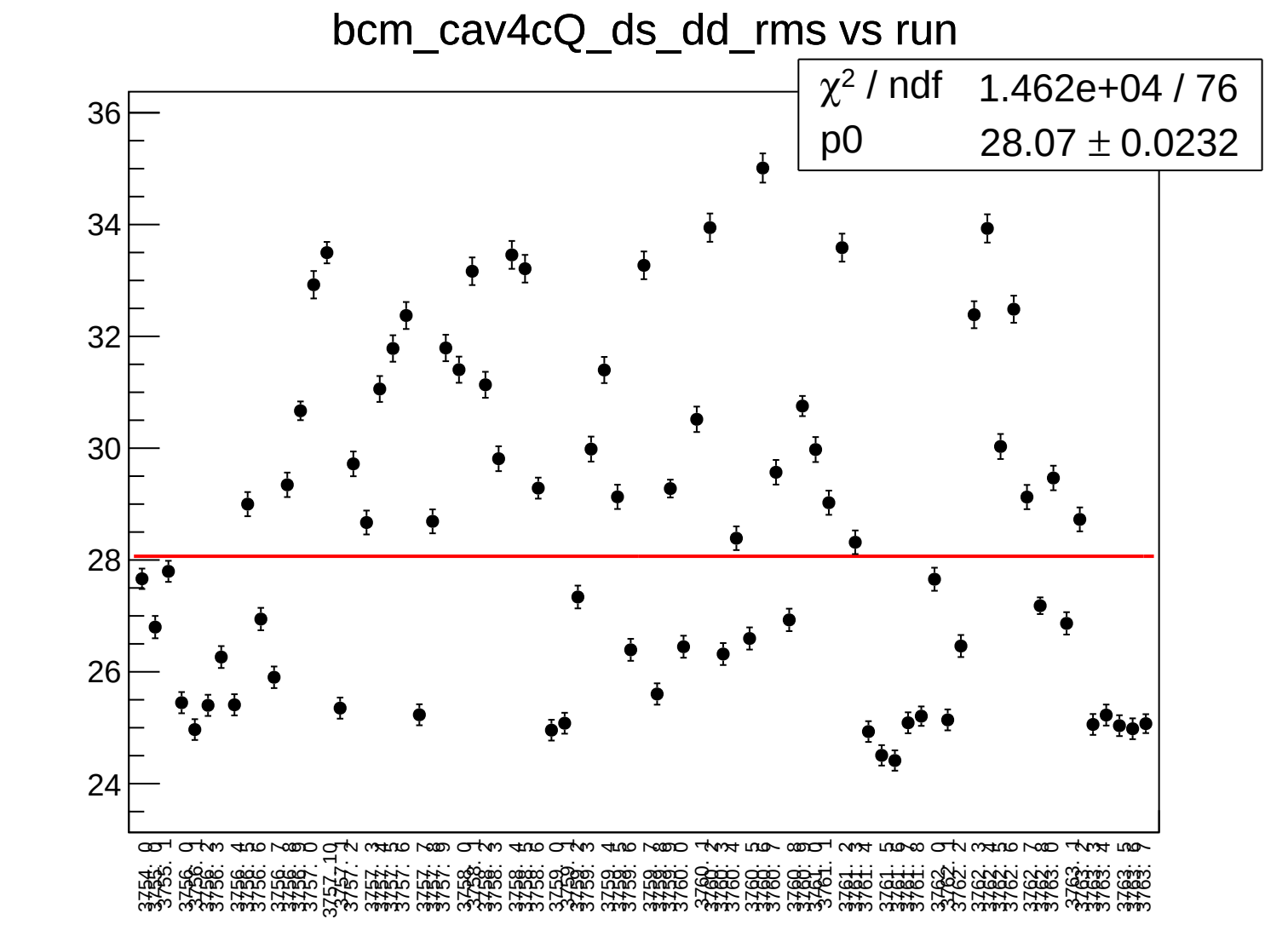

bcm_cav4cQ_ds_avg_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

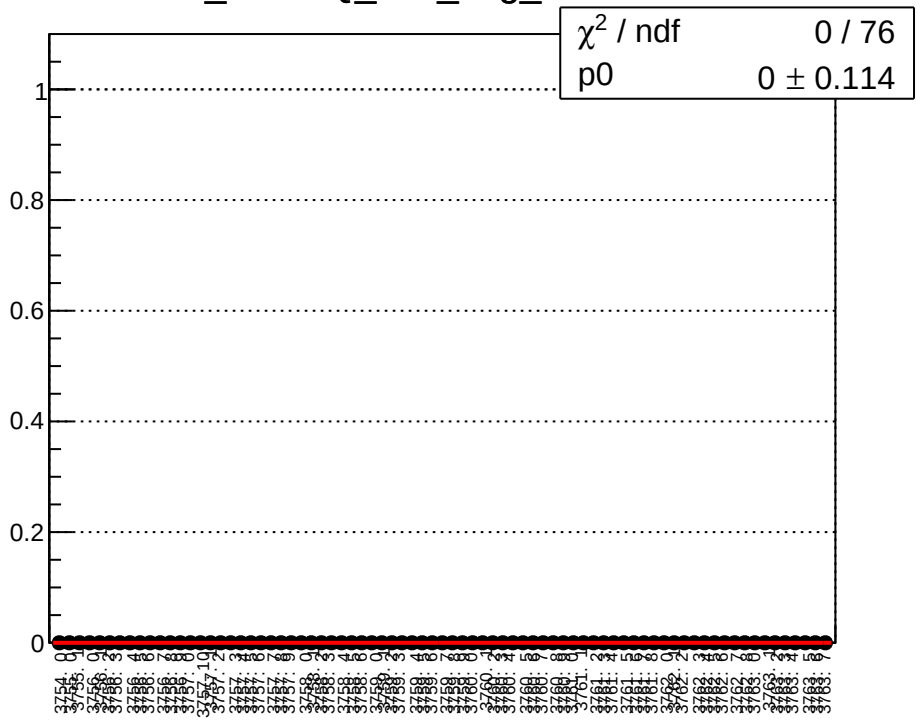

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

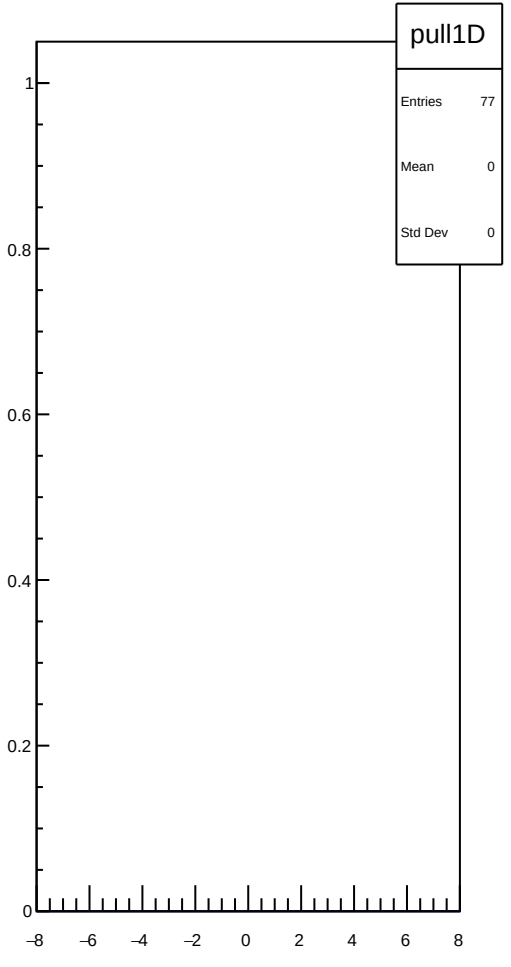

bcm_cav4cQ_ds_avg_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

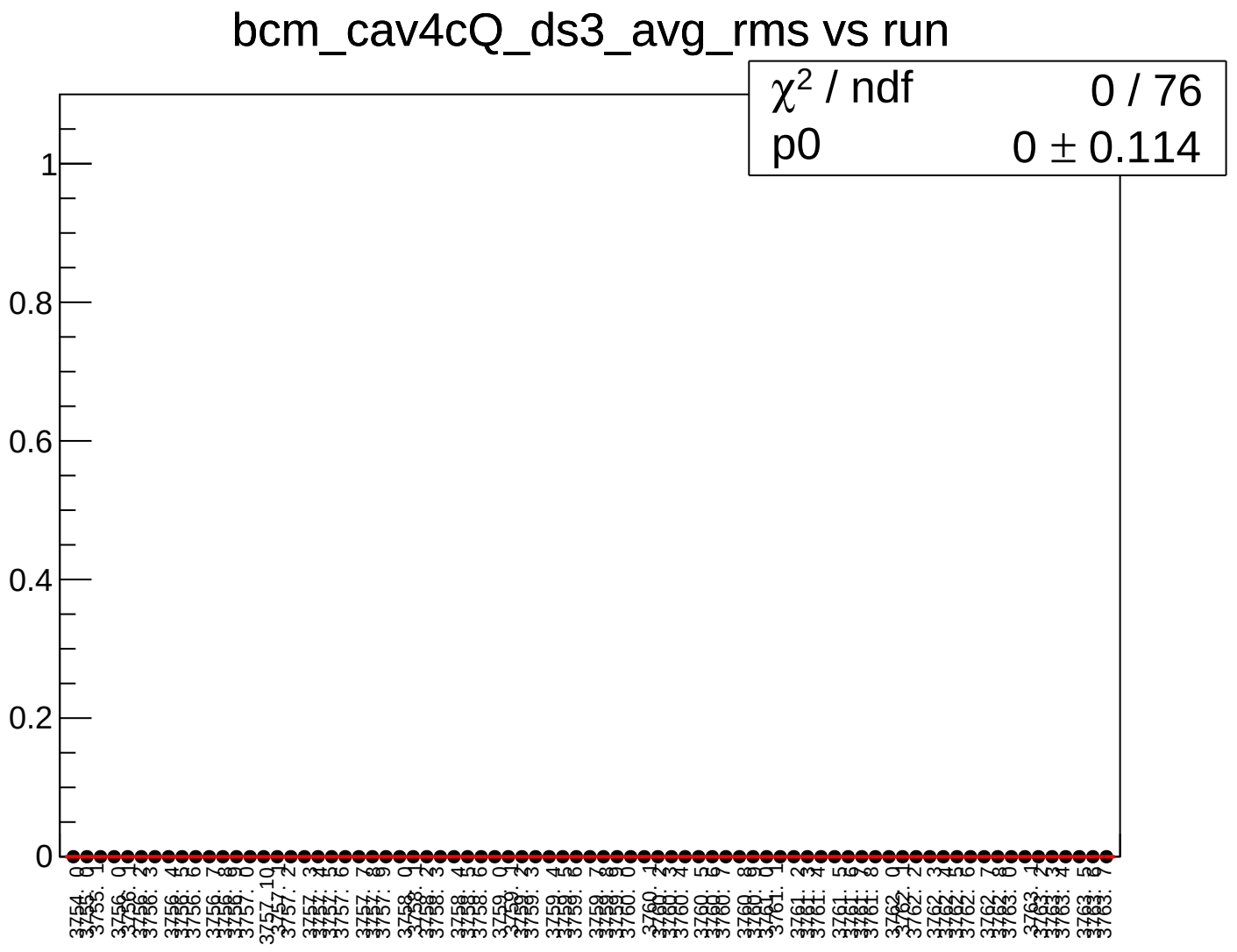

bcm_cav4cQ_ds_dd_mean vs run
χ² / ndf 68.71 / 76
p0 4.181 ± 32.81
pull
Entries 77
Mean −47.37
Std Dev 159.6

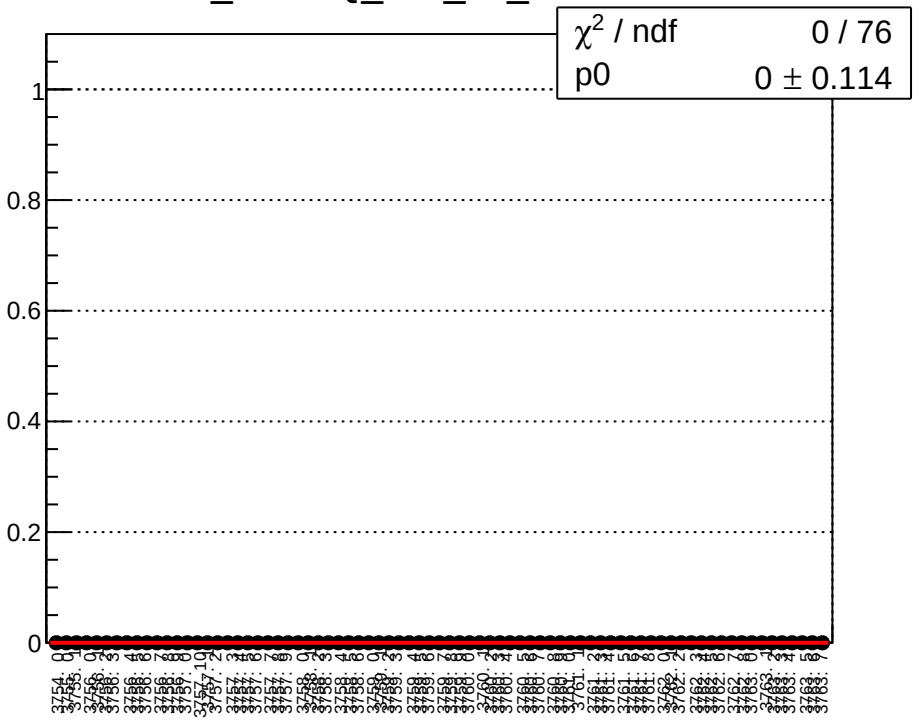

pull1D
Entries 77
Mean −0.004277
Std Dev 0.9446

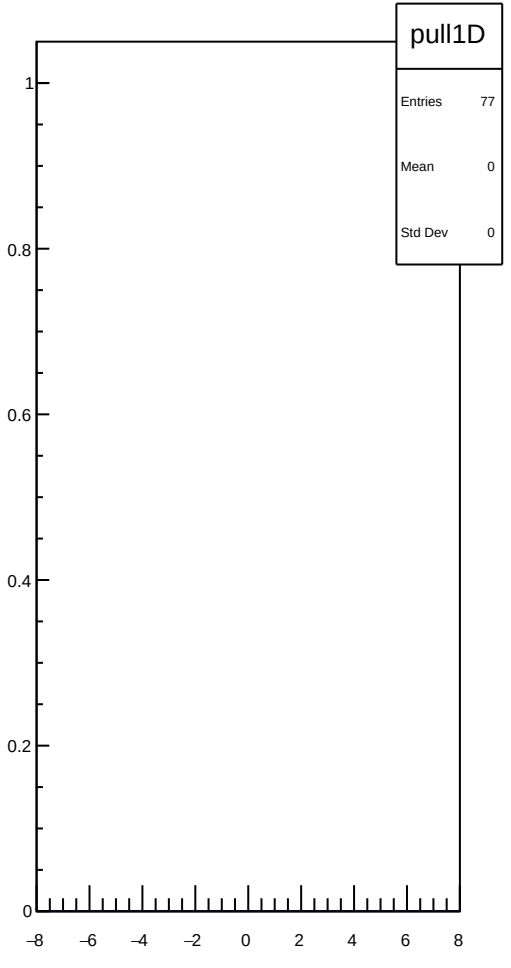

bcm_cav4cQ_ds_dd_rms vs run
χ² / ndf 1.462e+04 / 76
p0 28.07 ± 0.0232
36
34
32
30
28
26
24

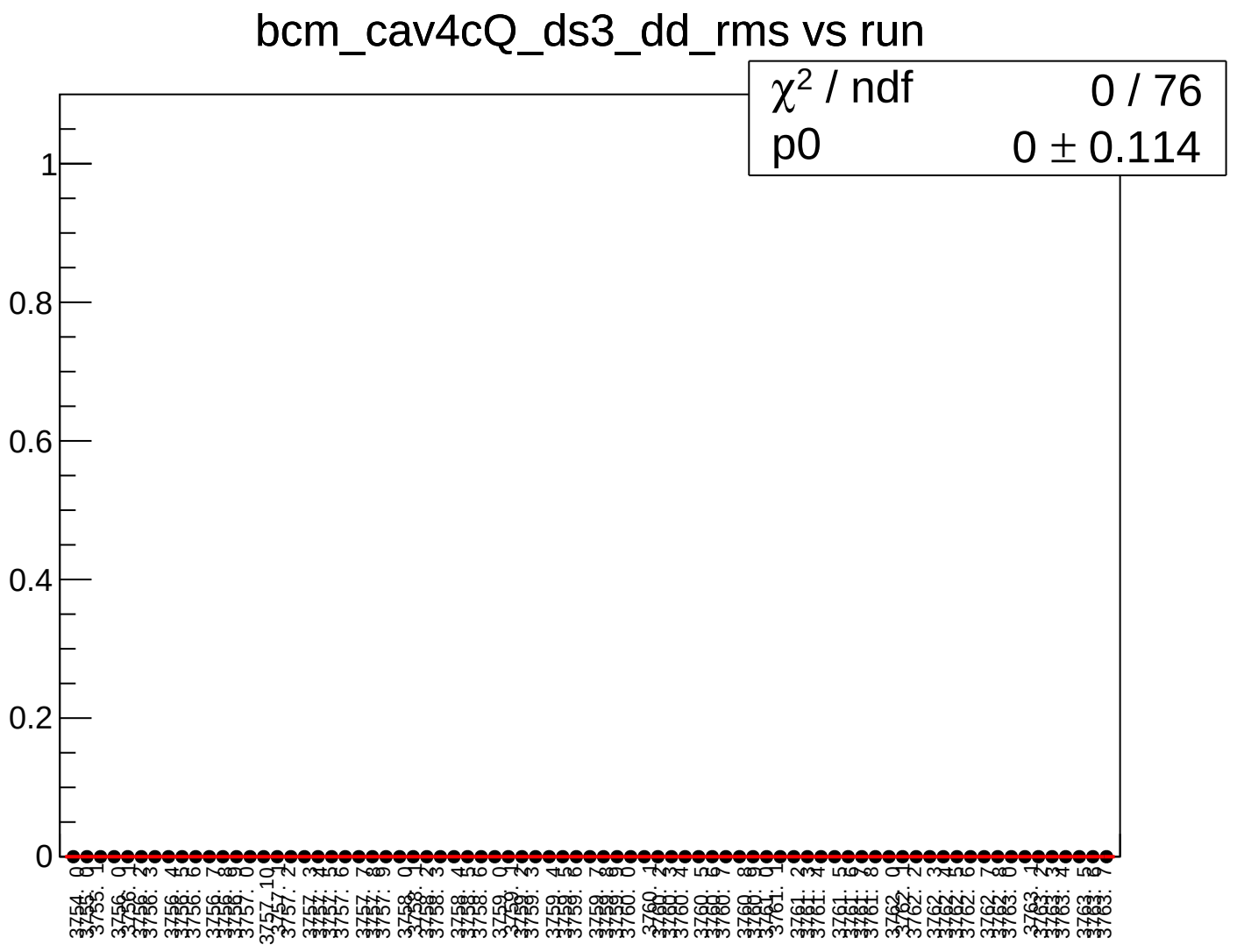

bcm_cav4cQ_ds3_avg_mean vs run
χ² / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

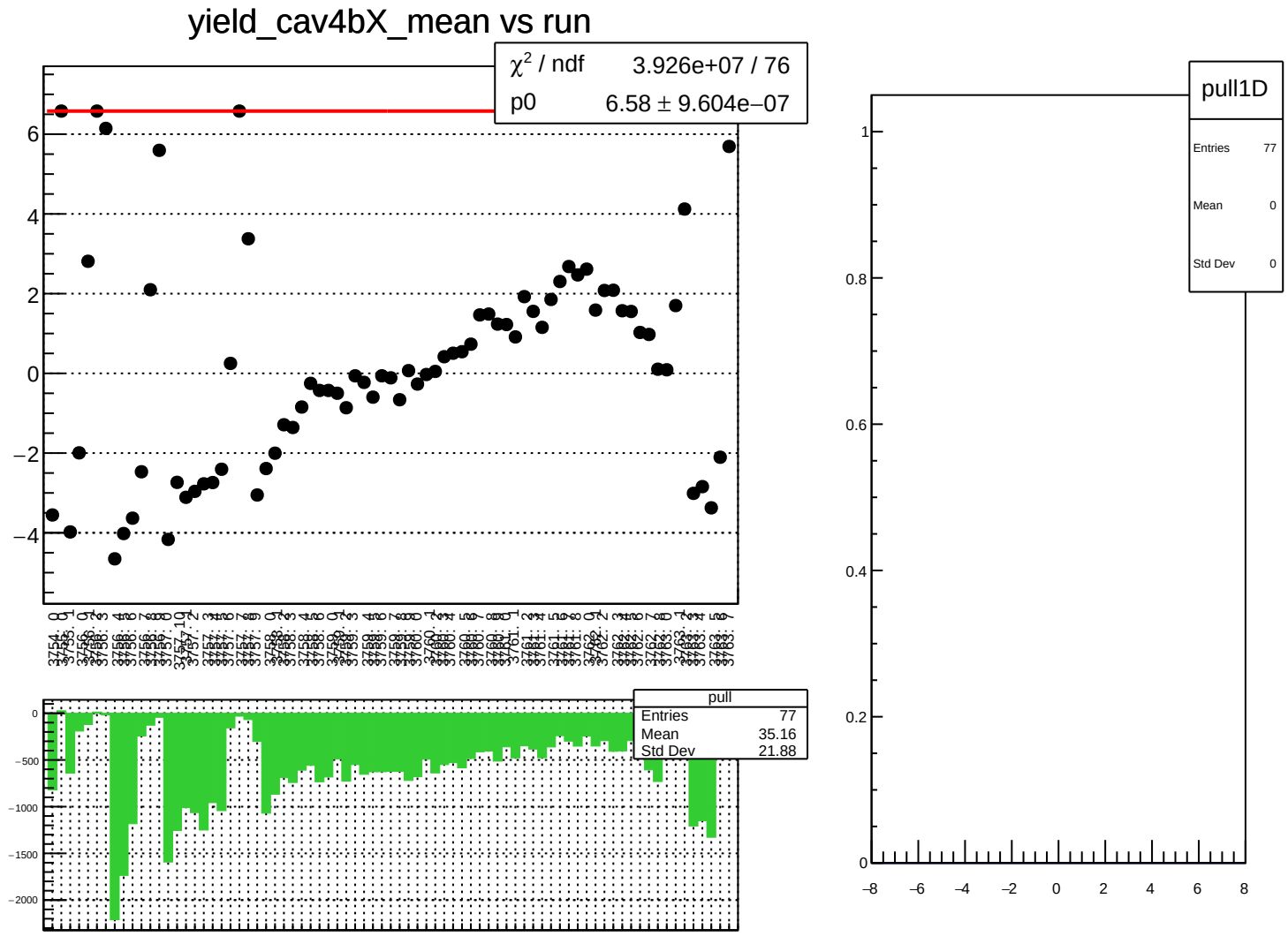

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

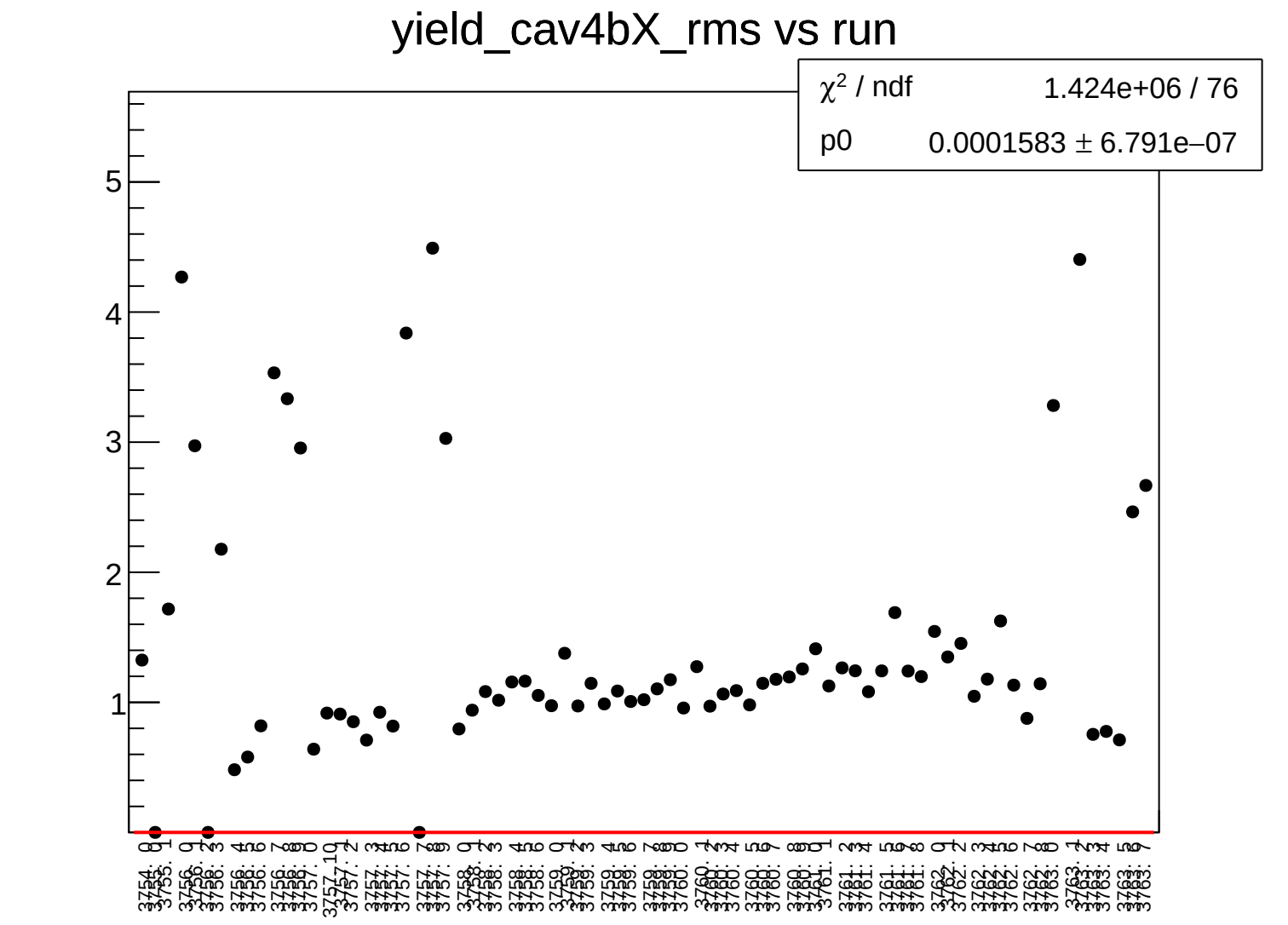

bcm_cav4cQ_ds3_avg_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

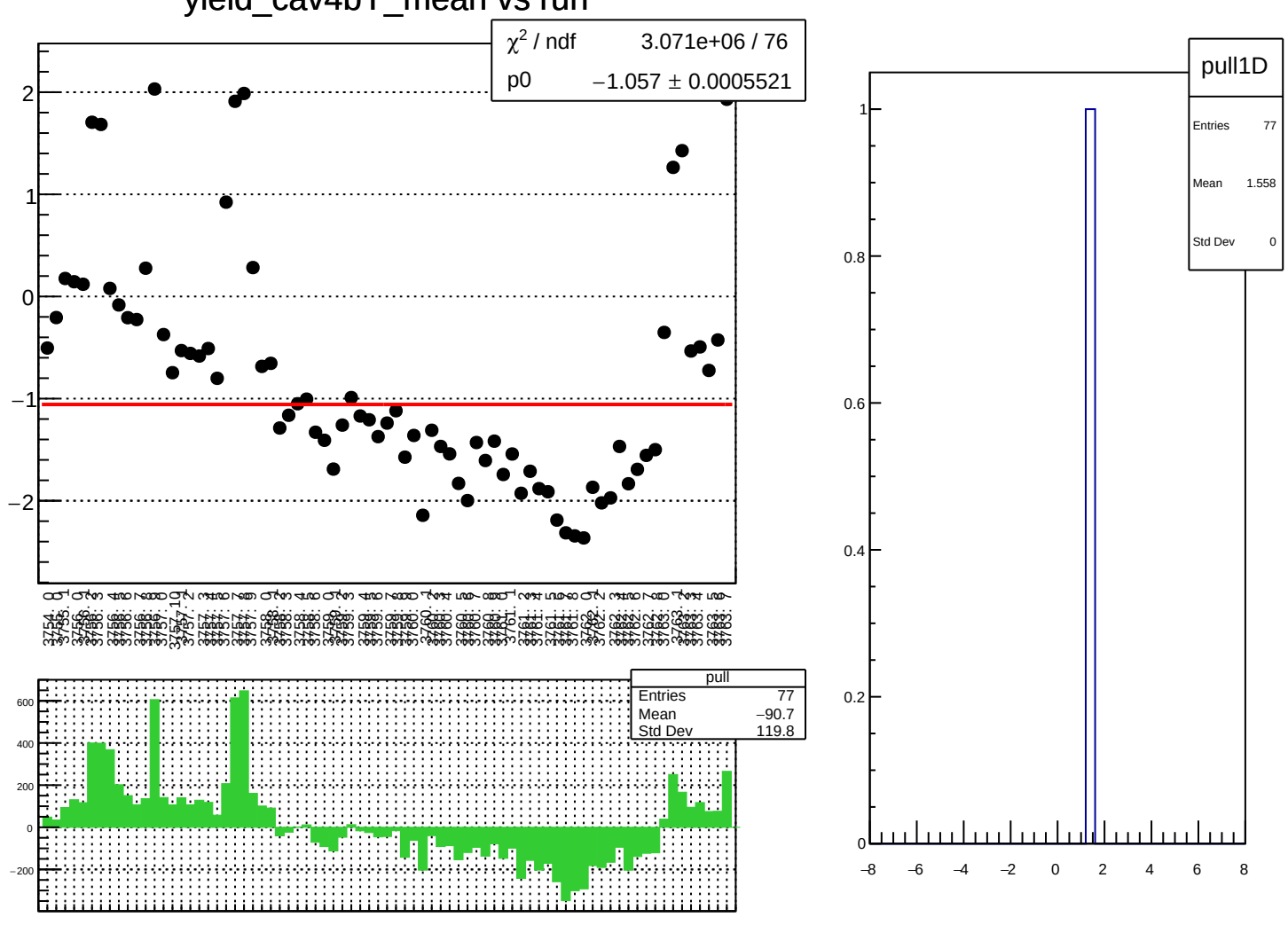

bcm_cav4cQ_ds3_dd_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

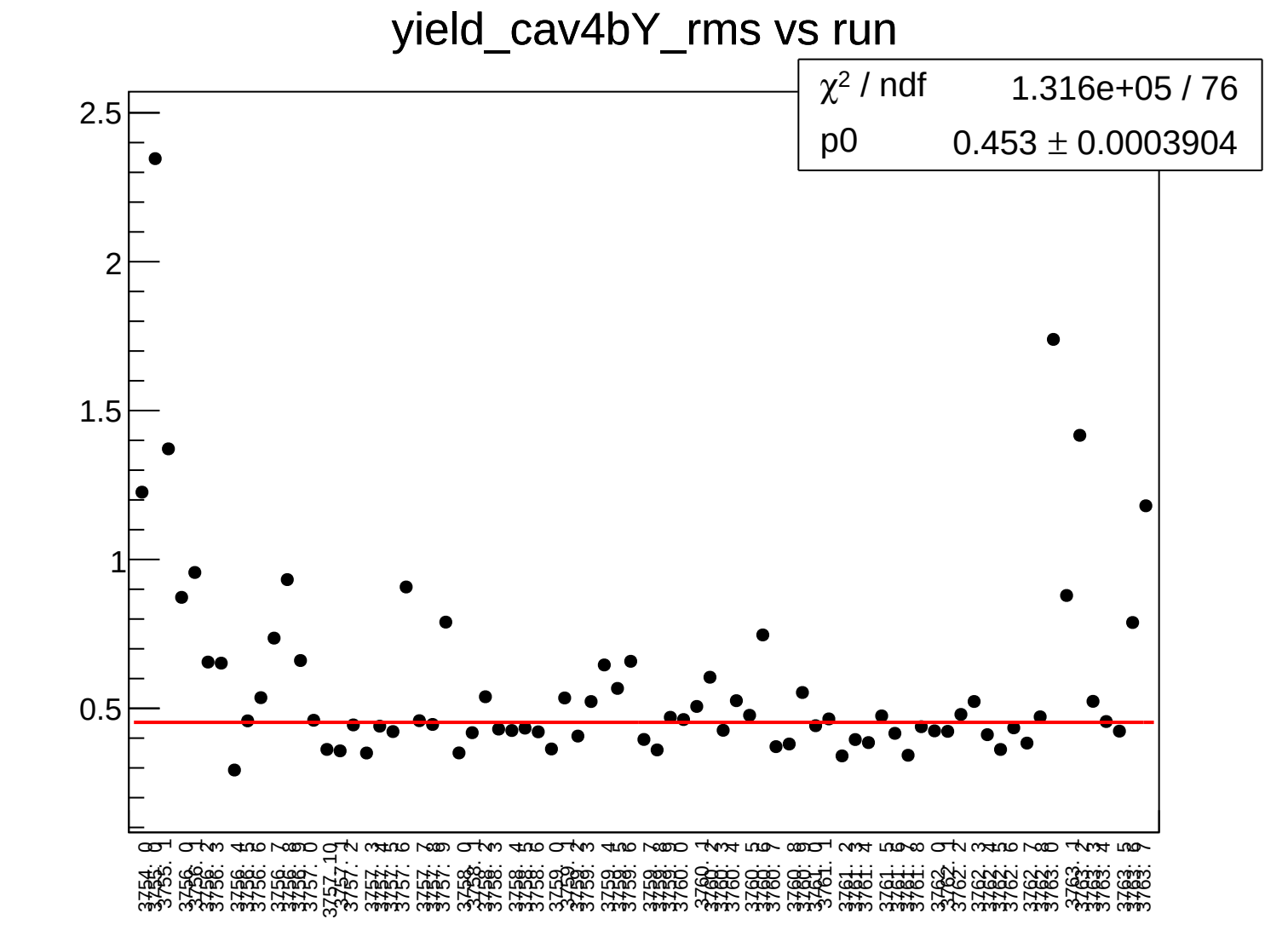

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

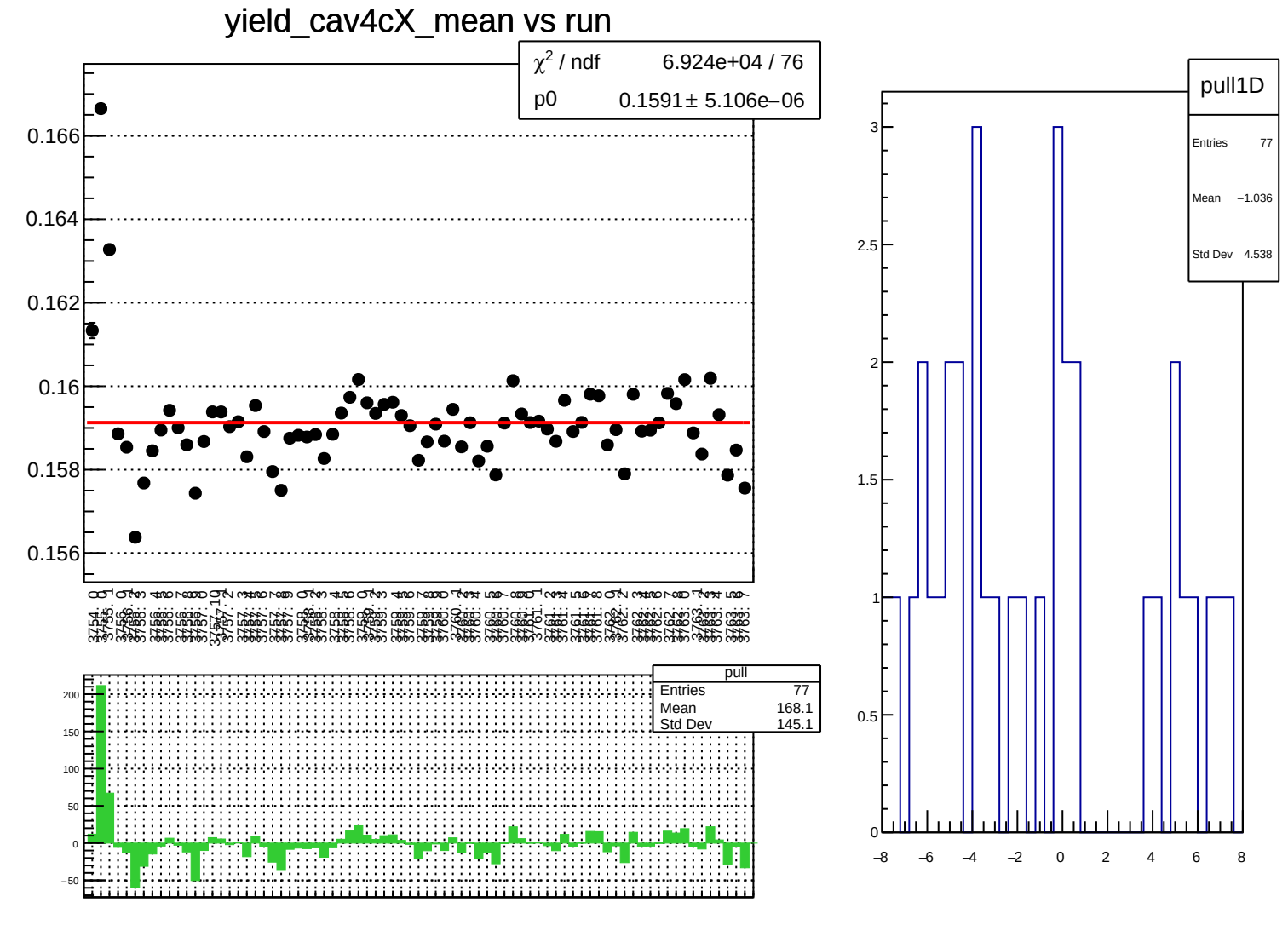

bcm_cav4cQ_ds3_dd_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

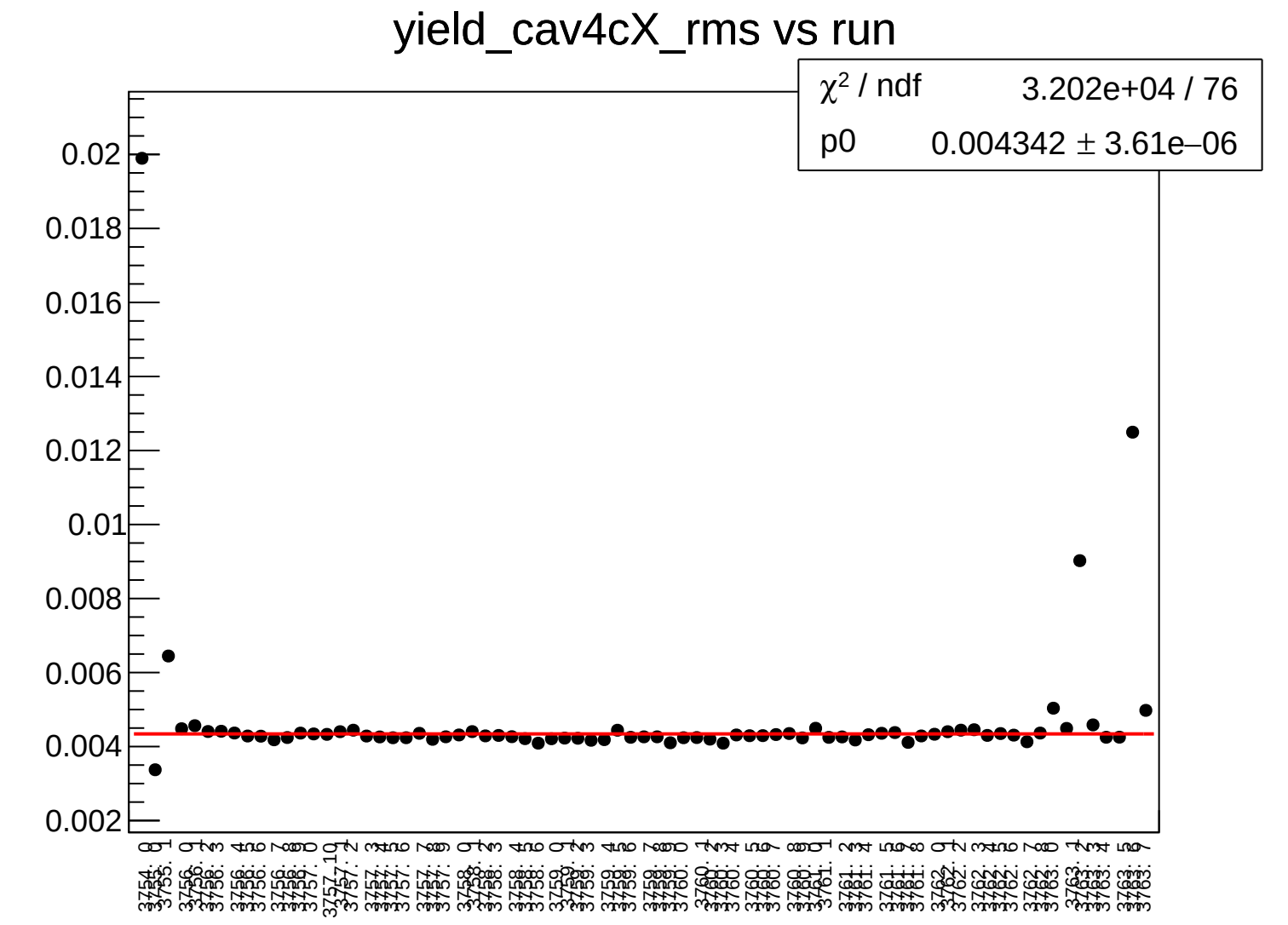

yield_cav4bX_mean vs run
χ² / ndf 3.926e+07 / 76
p0 6.58 ± 9.604e−07
pull
Entries 77
Mean 35.16
Std Dev 21.88
pull1D
Entries 77
Mean 0
Std Dev 0

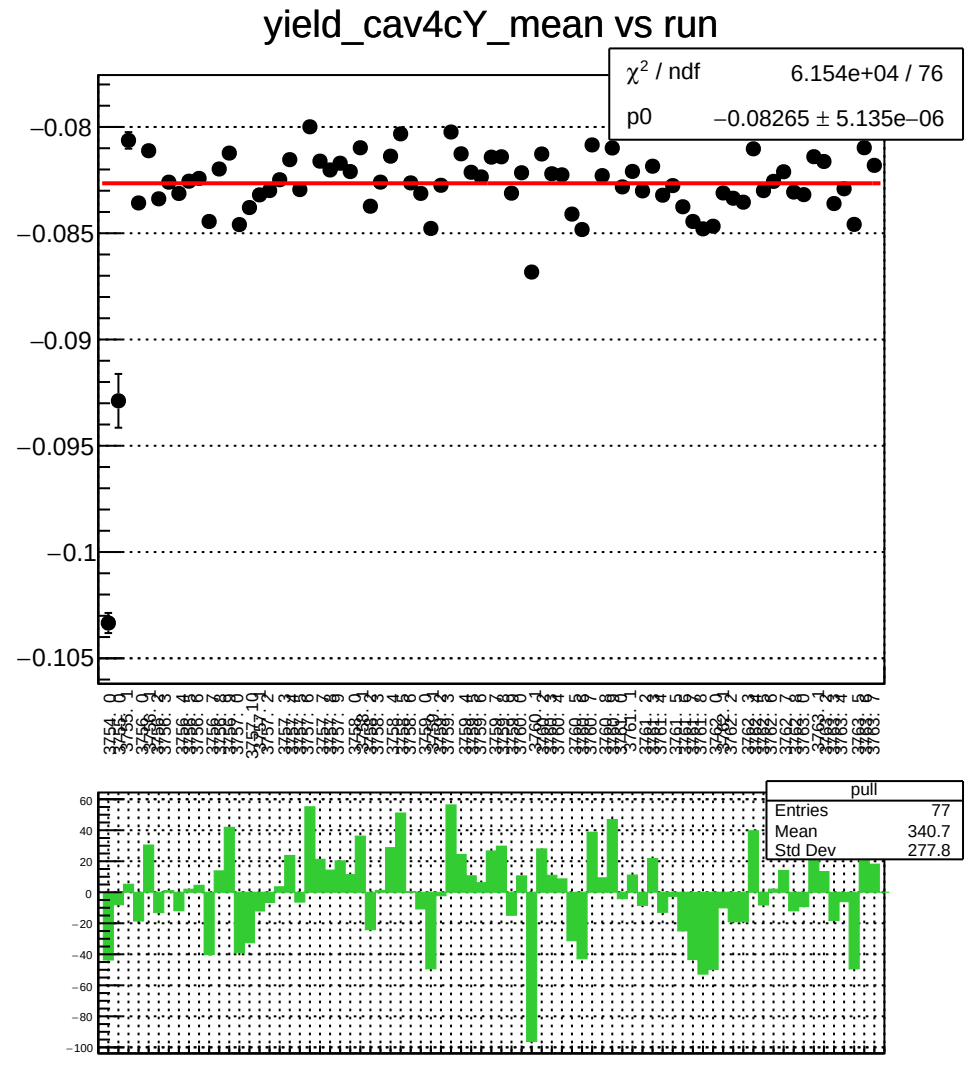

yield_cav4bX_rms vs run
χ² / ndf 1.424e+06 / 76
p0 0.0001583 ± 6.791e−07
5
4
3
2
1

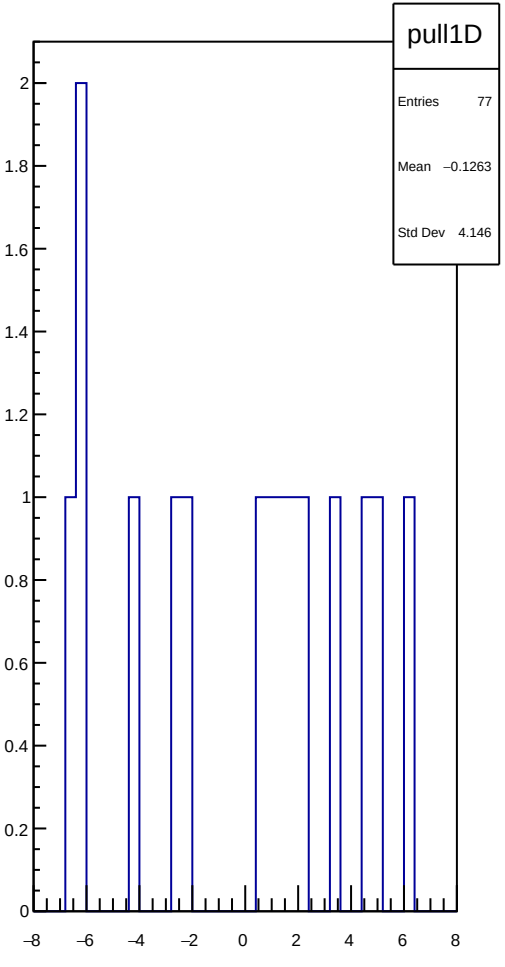

yield_cav4bY_mean vs run
χ² / ndf 3.071e+06 / 76
p0 −1.057 ± 0.0005521
pull
Entries 77
Mean −90.7
Std Dev 119.8
pull1D
Entries 77
Mean 1.558
Std Dev 0

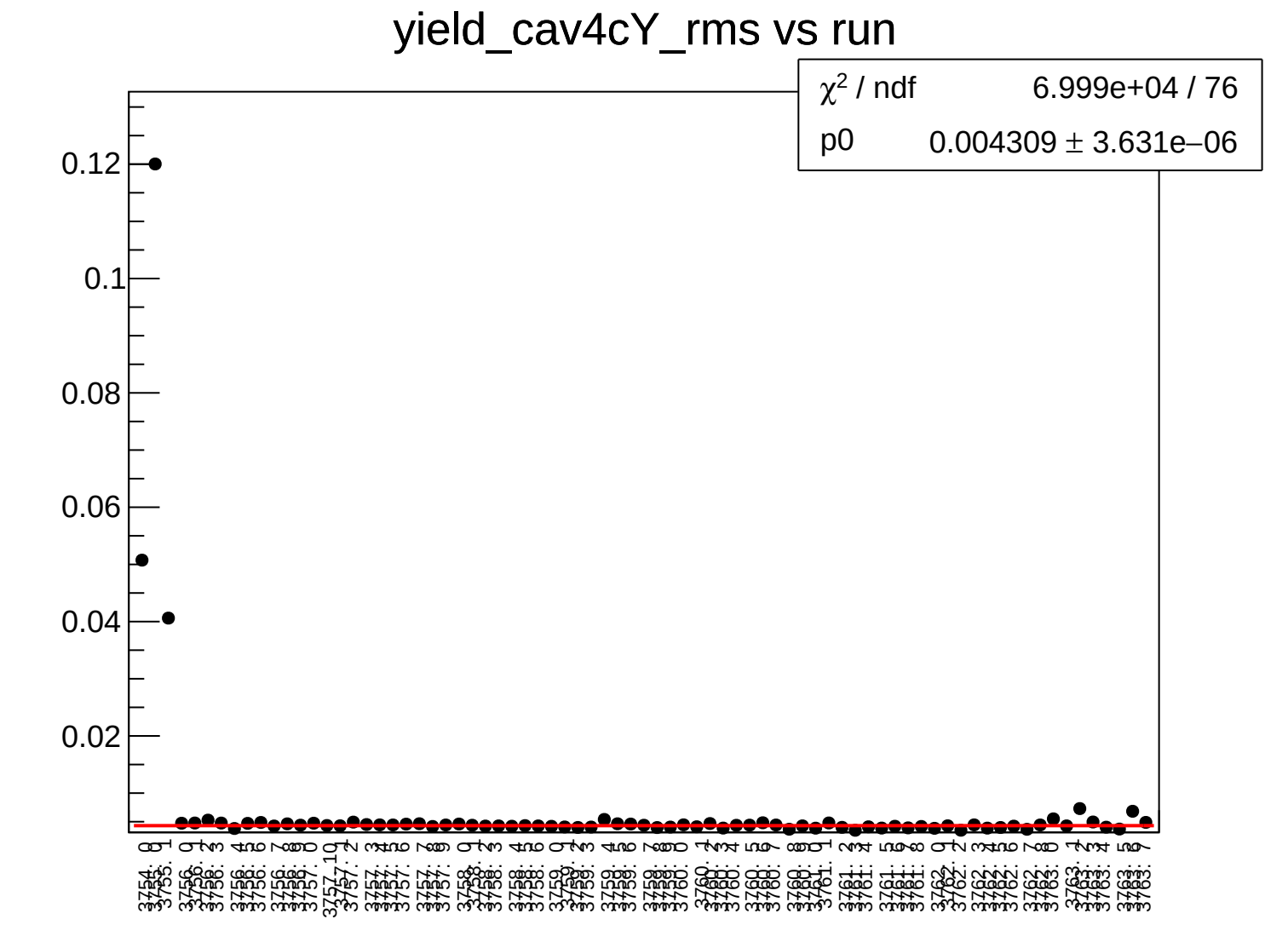

yield_cav4bY_rms vs run
χ² / ndf 1.316e+05 / 76
p0 0.453 ± 0.0003904
2.5
2
1.5
1
0.5

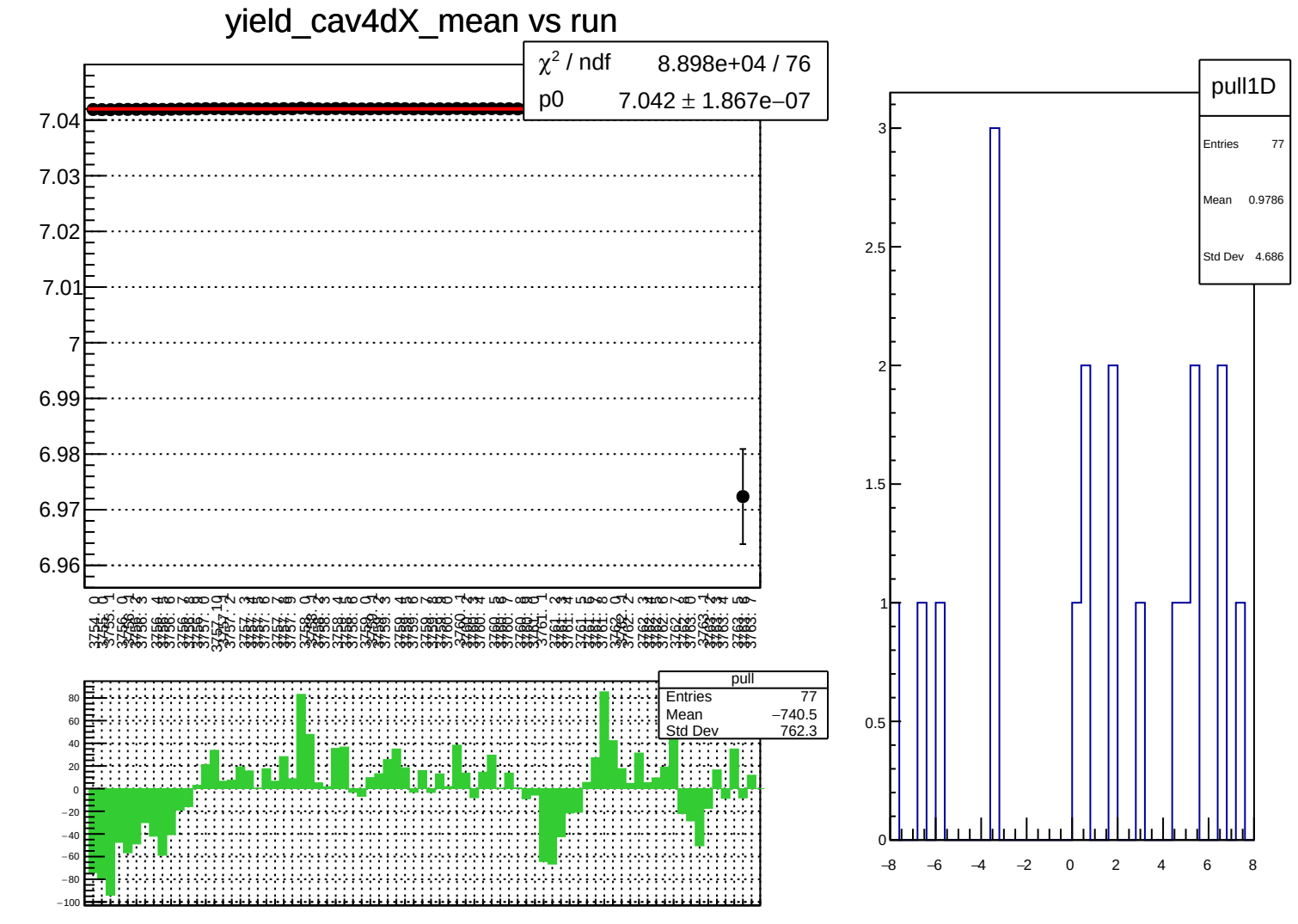

yield_cav4cX_mean vs run
χ² / ndf 6.924e+04 / 76
p0 0.1591 ± 5.106e−06
0.166
0.164
0.162
0.16
0.158
0.156
pull
Entries 77
Mean 168.1
Std Dev 145.1
200
150
100
50
0
−50
pull1D
Entries 77
Mean −1.036
Std Dev 4.538
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

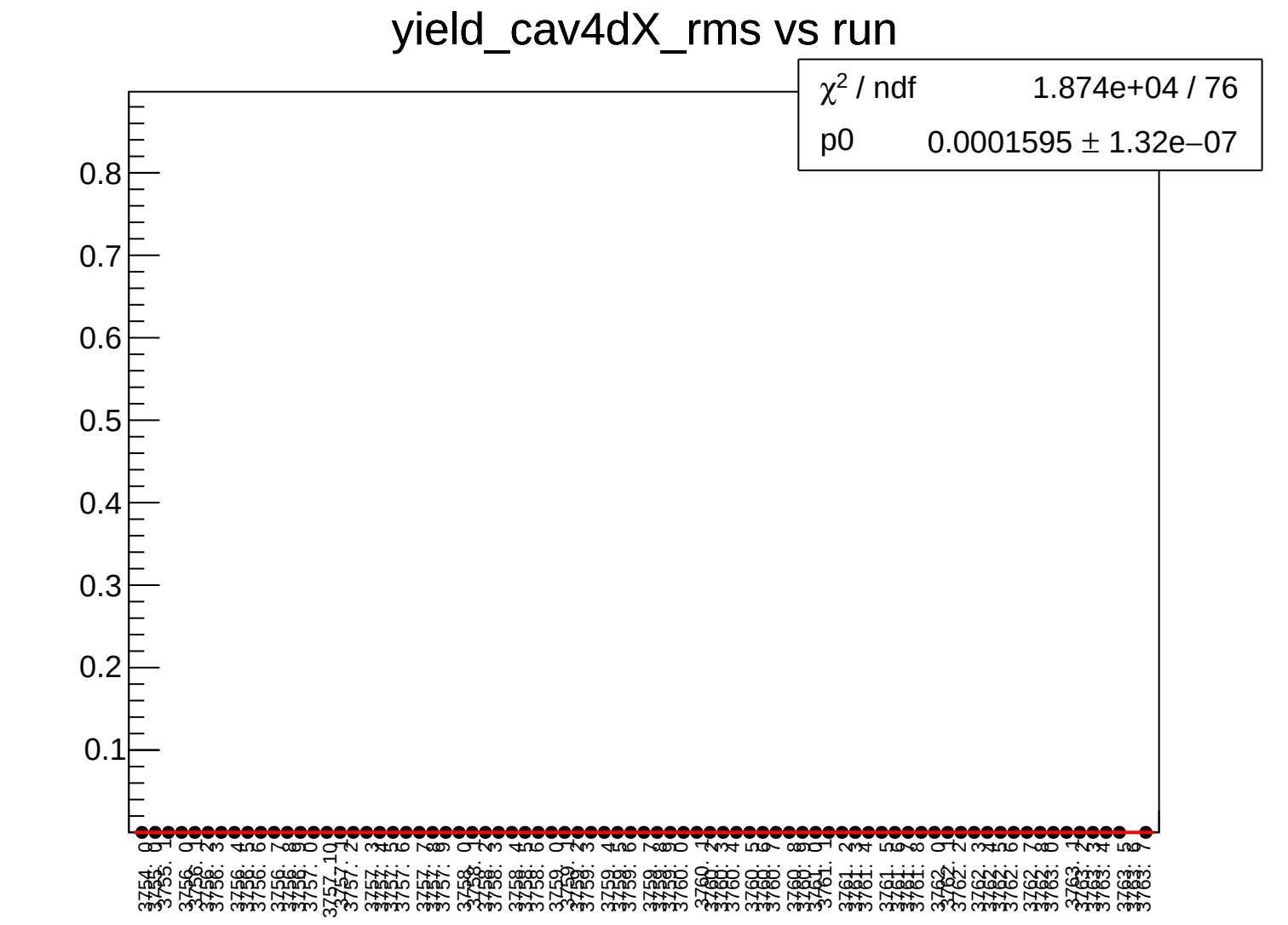

yield_cav4cX_rms vs run
χ² / ndf 3.202e+04 / 76
p0 0.004342 ± 3.61e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002

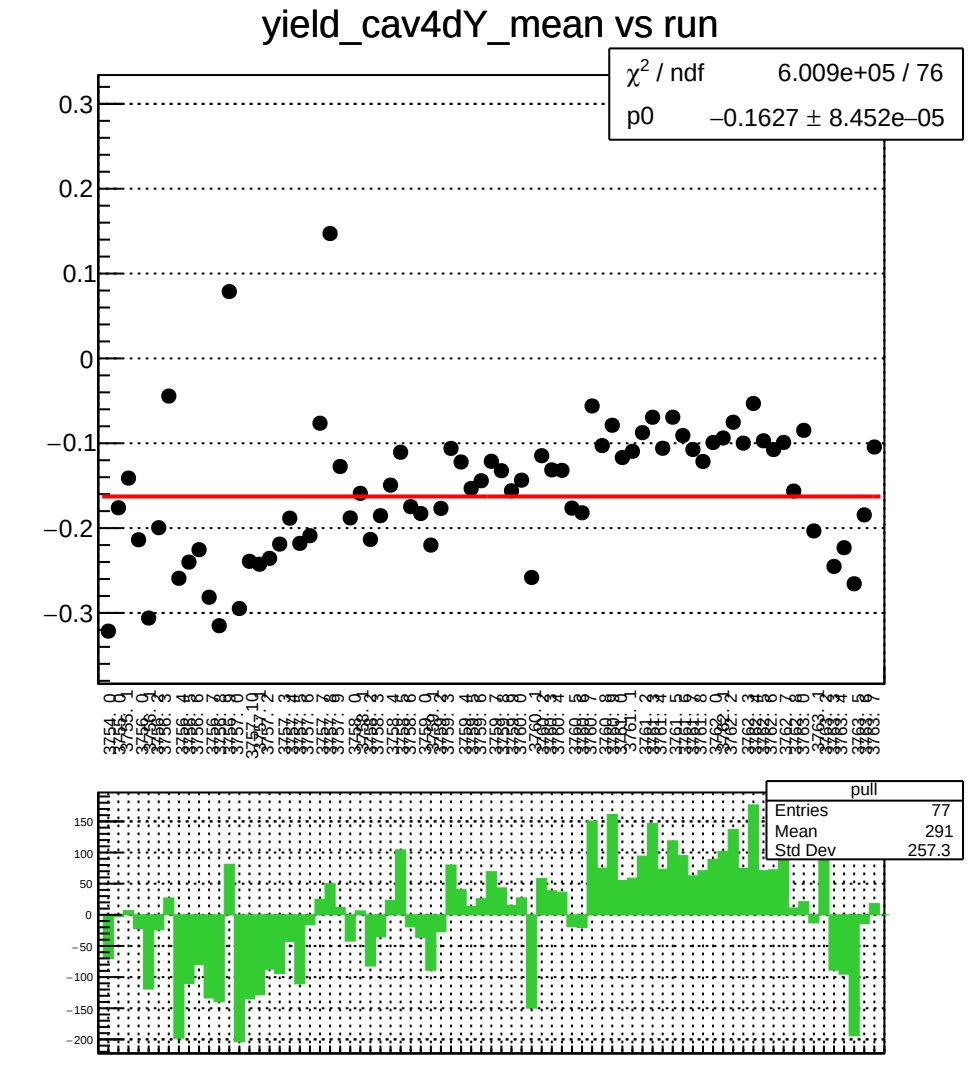

yield_cav4cY_mean vs run
χ² / ndf 6.154e+04 / 76
p0 −0.08265 ± 5.135e−06
pull
Entries 77
Mean 340.7
Std Dev 277.8

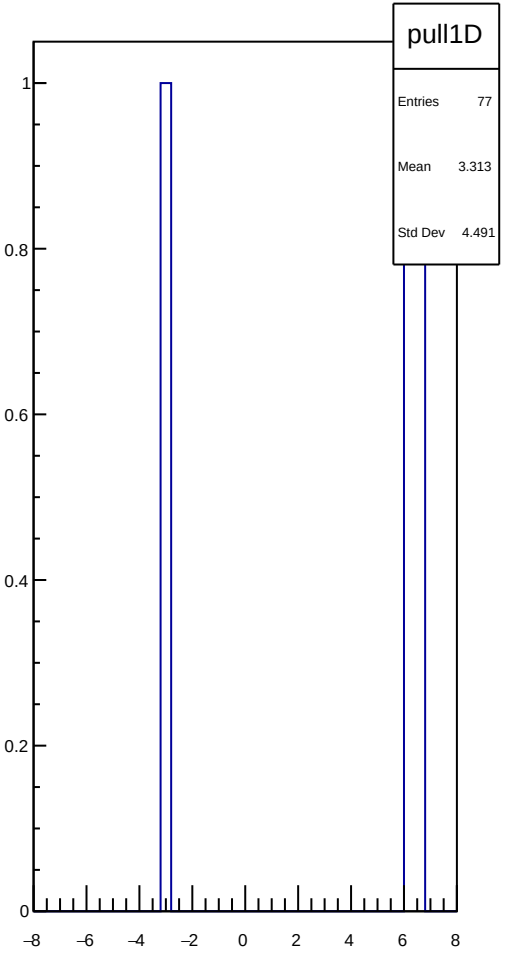

pull1D
Entries 77
Mean −0.1263
Std Dev 4.146

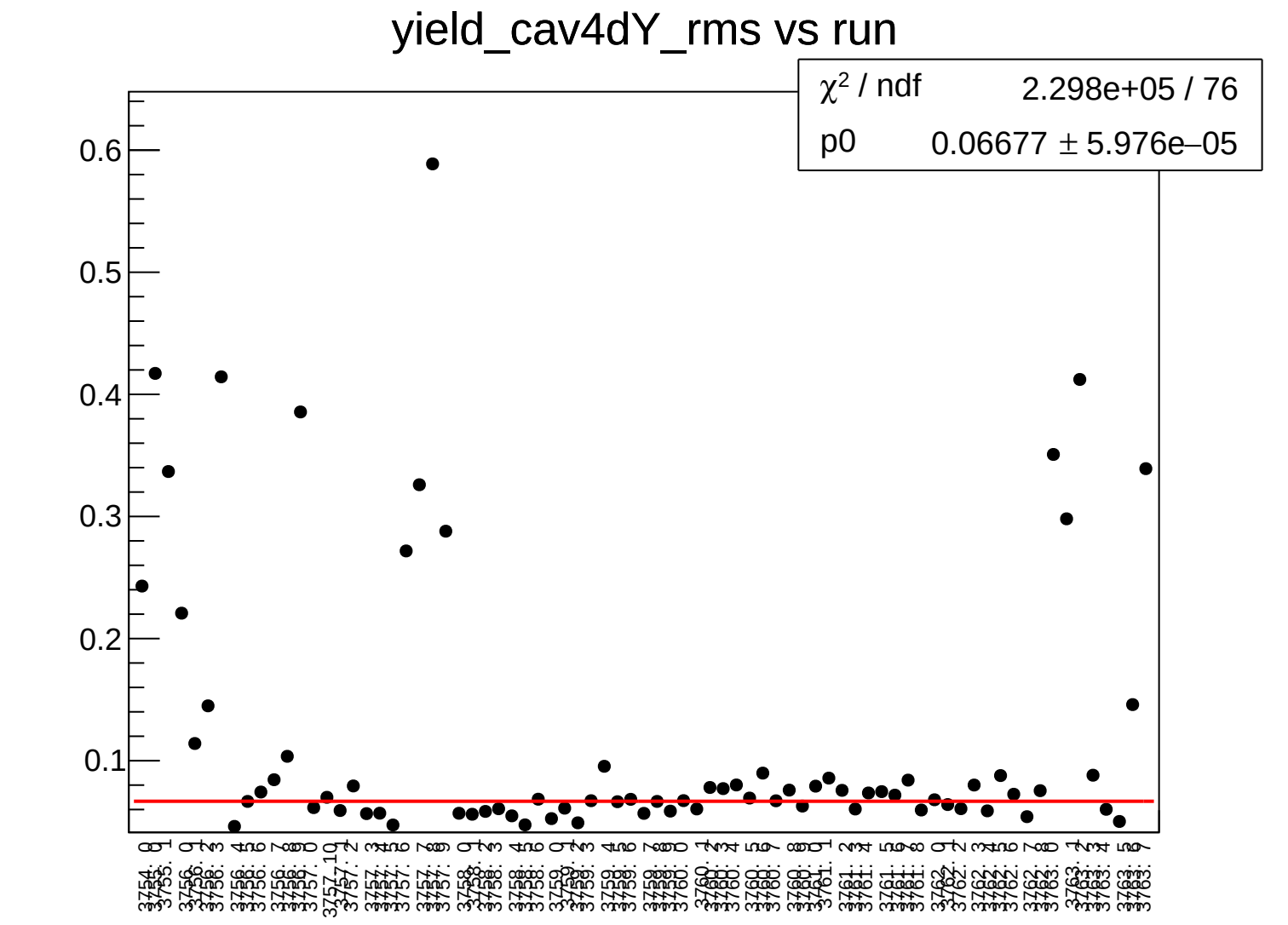

yield_cav4cY_rms vs run
χ² / ndf 6.999e+04 / 76
p0 0.004309 ± 3.631e−06
0.12
0.1
0.08
0.06
0.04
0.02

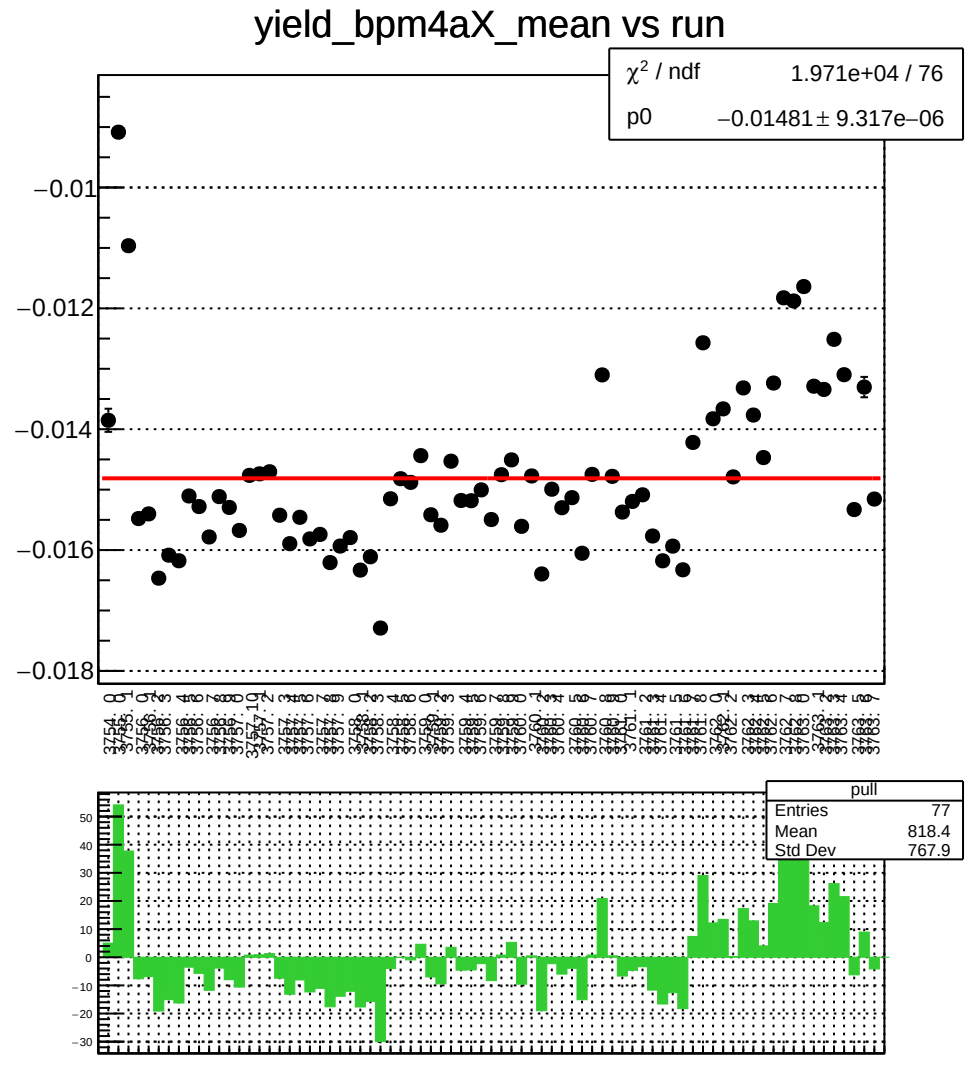

yield_cav4dX_mean vs run
χ² / ndf 8.898e+04 / 76
p0 7.042 ± 1.867e−07
7.04
7.03
7.02
7.01
7
6.99
6.98
6.97
6.96
pull
Entries 77
Mean −740.5
Std Dev 762.3
80
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 77
Mean 0.9786
Std Dev 4.686
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

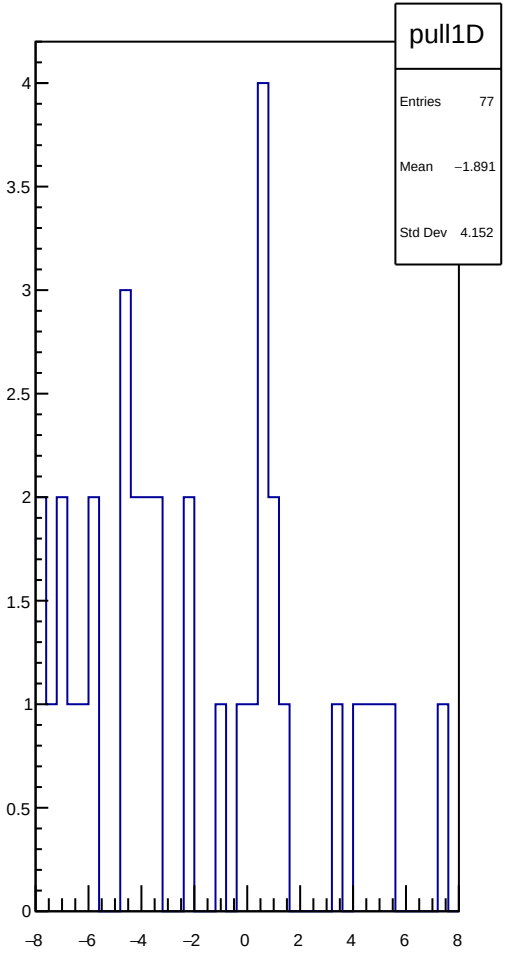

yield_cav4dX_rms vs run
χ² / ndf 1.874e+04 / 76
p0 0.0001595 ± 1.32e−07
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

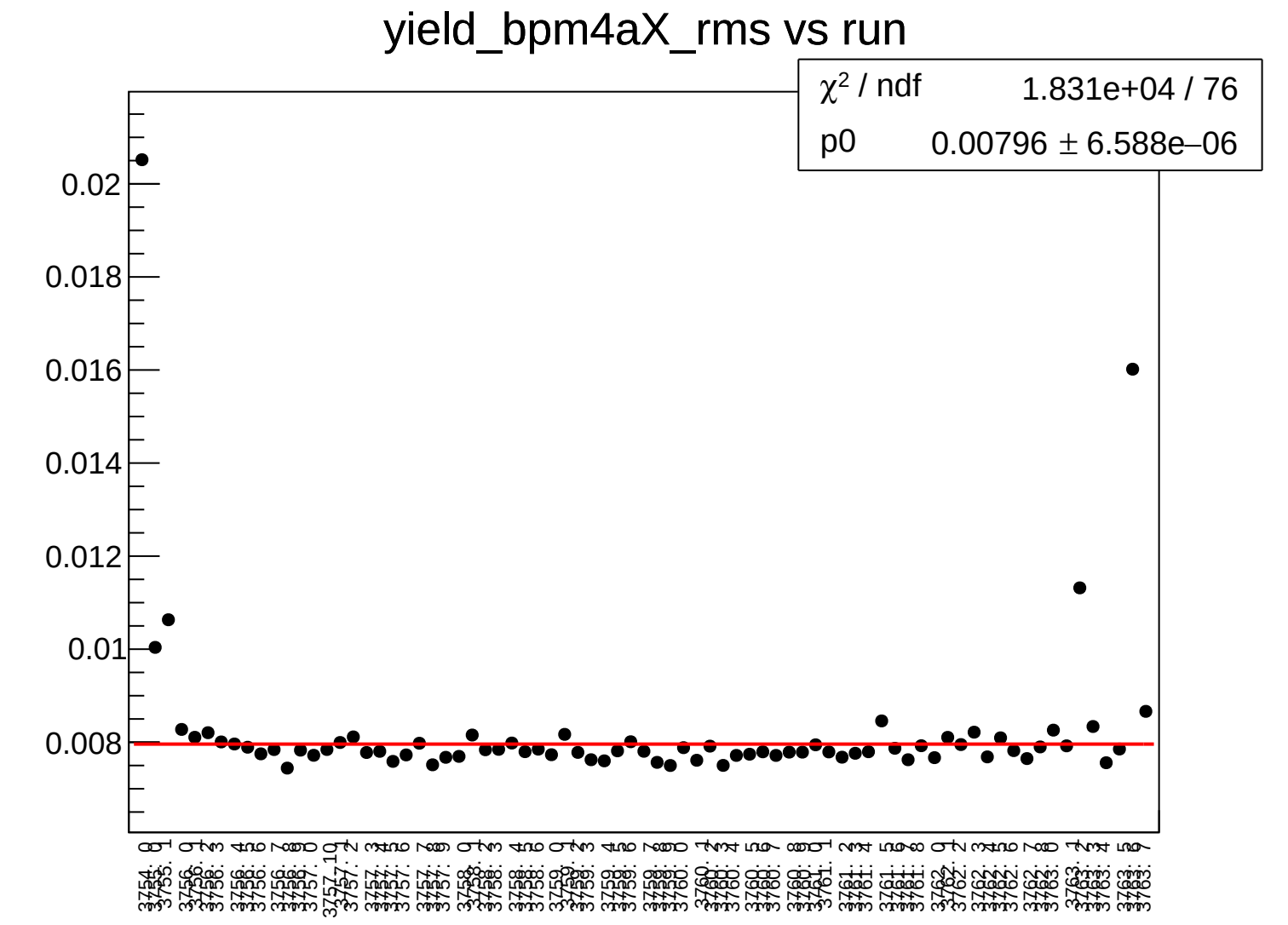

yield_cav4dY_mean vs run
χ² / ndf 6.009e+05 / 76
p0 −0.1627 ± 8.452e−05
pull
Entries 77
Mean 291
Std Dev 257.3

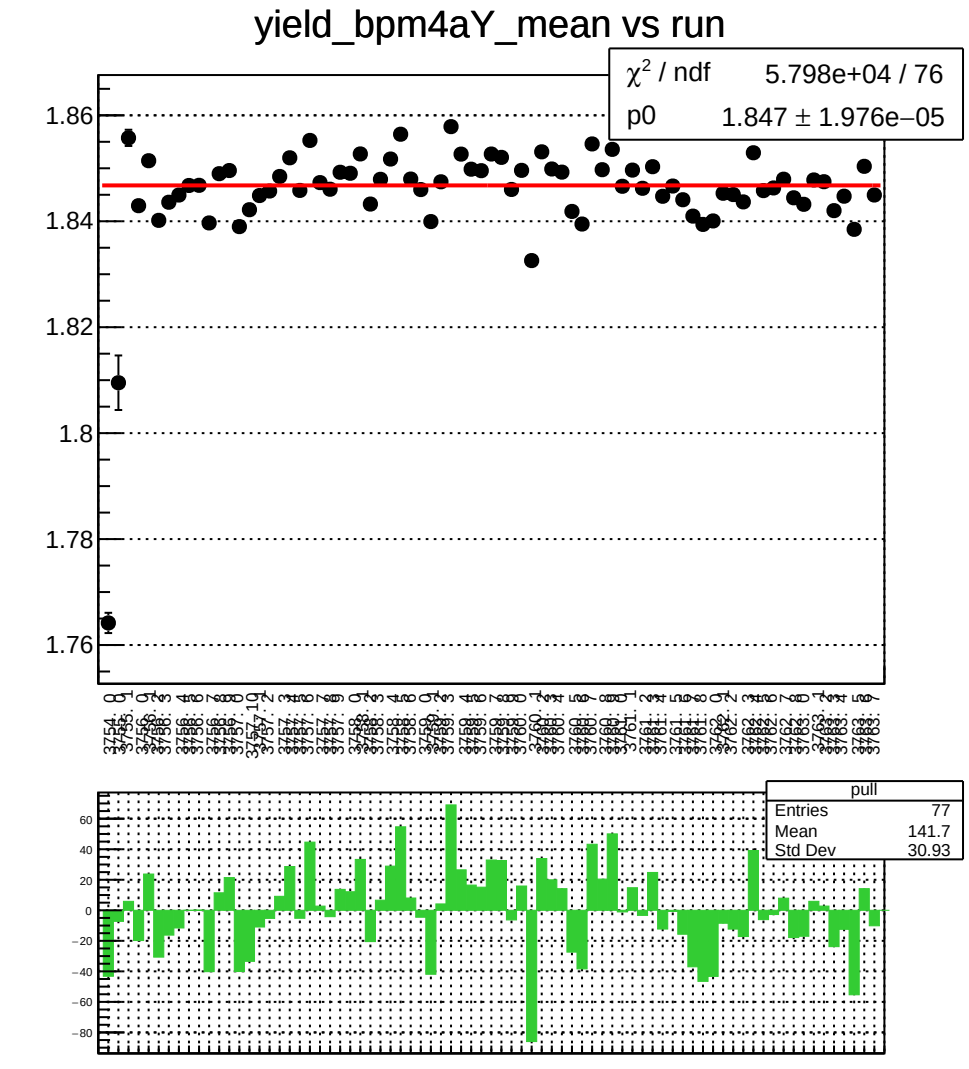

pull1D
Entries 77
Mean 3.313
Std Dev 4.491

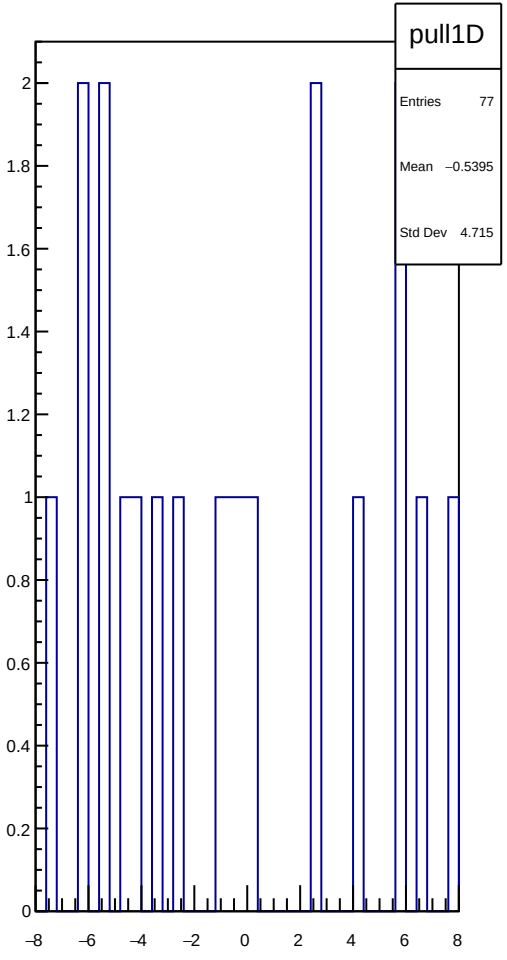

yield_cav4dY_rms vs run
χ² / ndf 2.298e+05 / 76
p0 0.06677 ± 5.976e−05
0.6
0.5
0.4
0.3
0.2
0.1

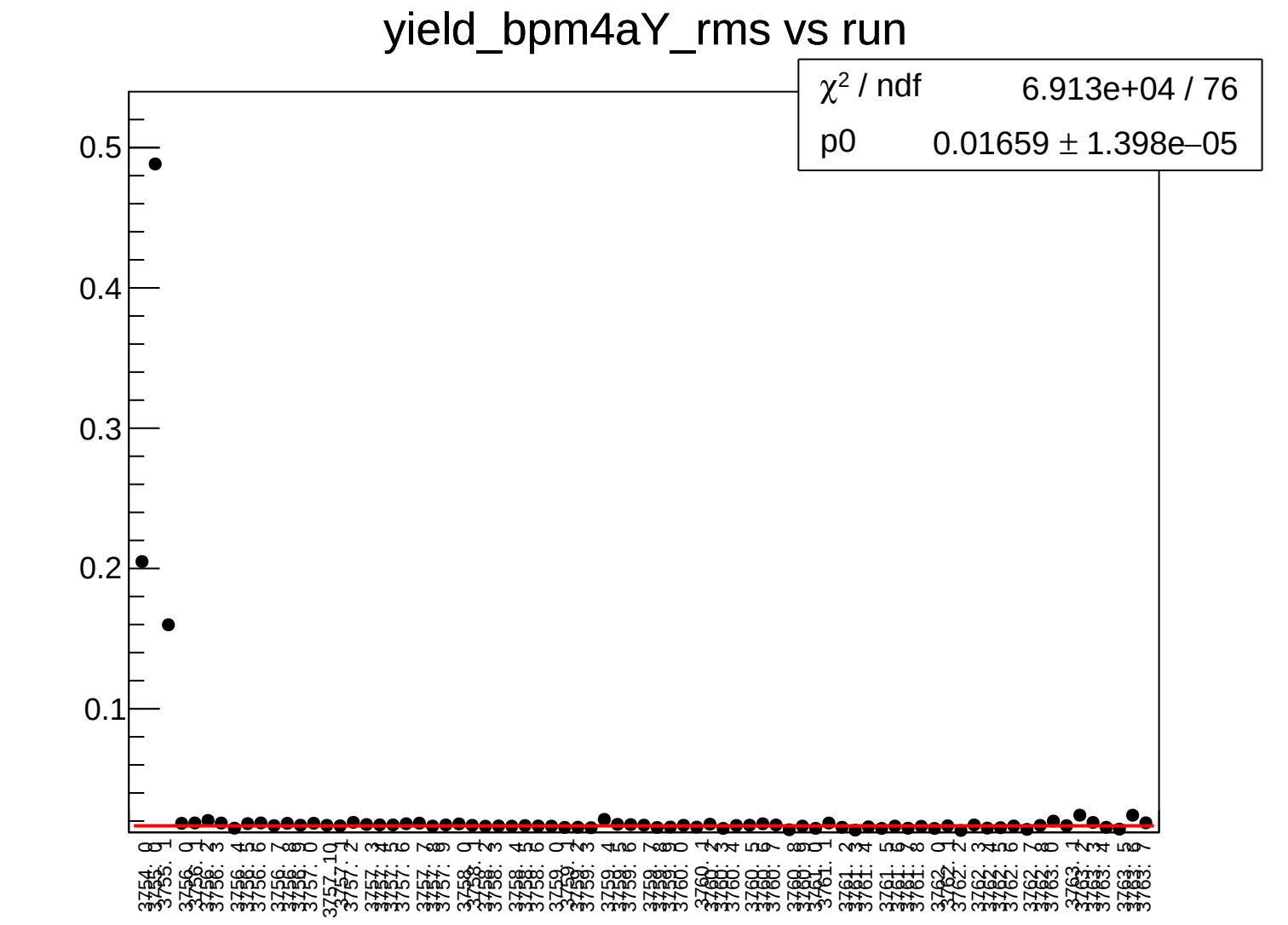

yield_bpm4aX_mean vs run
χ² / ndf 1.971e+04 / 76
p0 −0.01481 ± 9.317e−06
−0.01
−0.012
−0.014
−0.016
−0.018
pull
Entries 77
Mean 818.4
Std Dev 767.9
50
40
30
20
10
0
−10
−20
−30

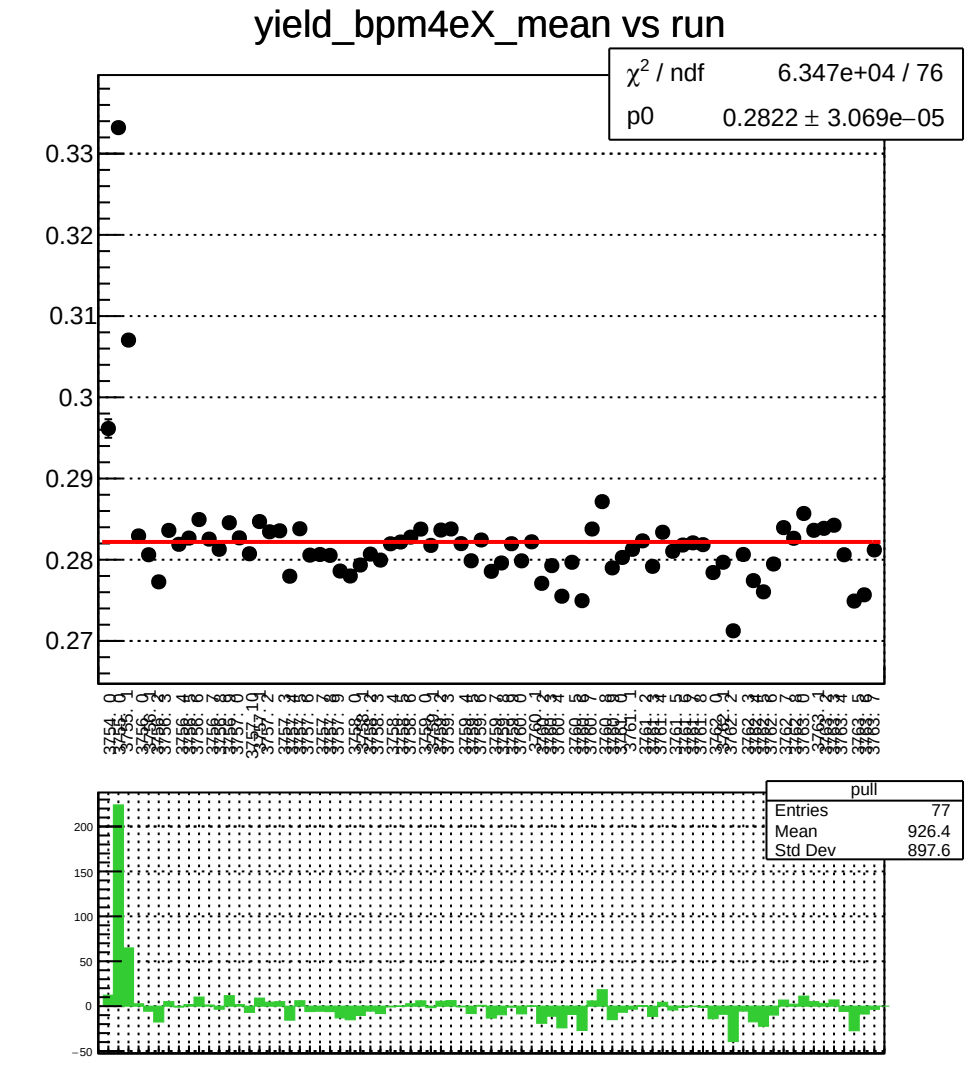

pull1D
Entries 77
Mean −1.891
Std Dev 4.152
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

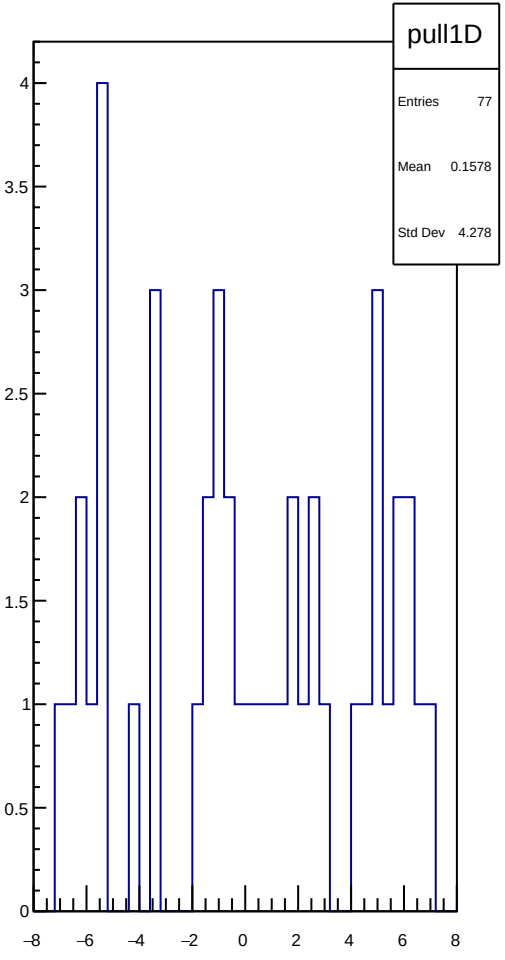

yield_bpm4aX_rms vs run
χ² / ndf 1.831e+04 / 76
p0 0.00796 ± 6.588e–06
0.02
0.018
0.016
0.014
0.012
0.01
0.008

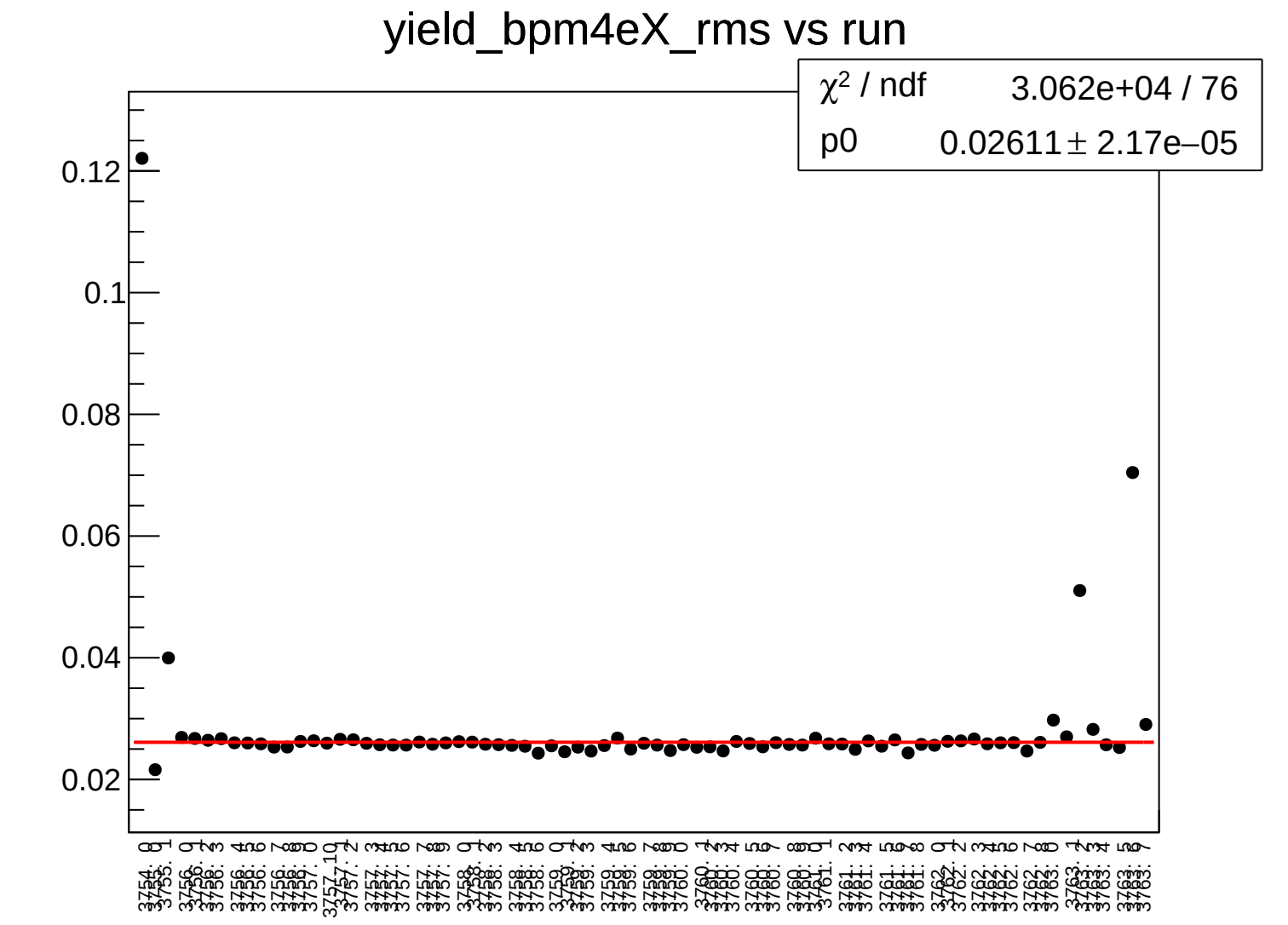

yield_bpm4aY_mean vs run
χ² / ndf 5.798e+04 / 76
p0 1.847 ± 1.976e−05
1.86
1.84
1.82
1.8
1.78
1.76
pull
Entries 77
Mean 141.7
Std Dev 30.93
60
40
20
0
−20
−40
−60
−80

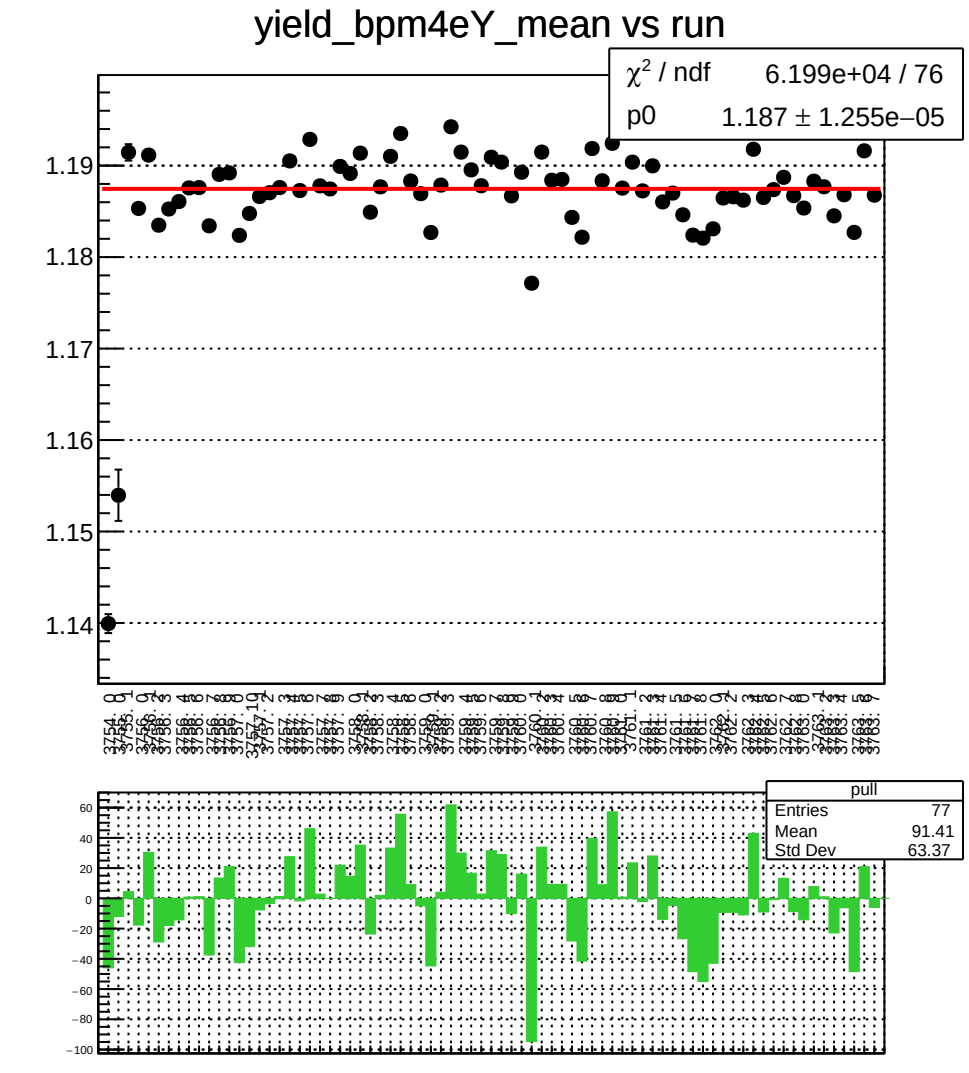

pull1D
Entries 77
Mean −0.5395
Std Dev 4.715
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

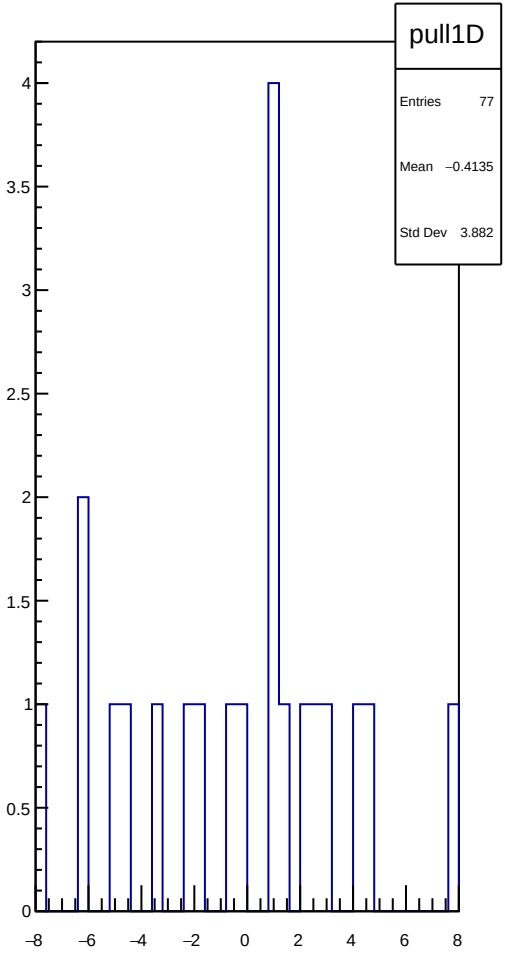

yield_bpm4aY_rms vs run
χ² / ndf 6.913e+04 / 76
p0 0.01659 ± 1.398e–05
0.5
0.4
0.3
0.2
0.1

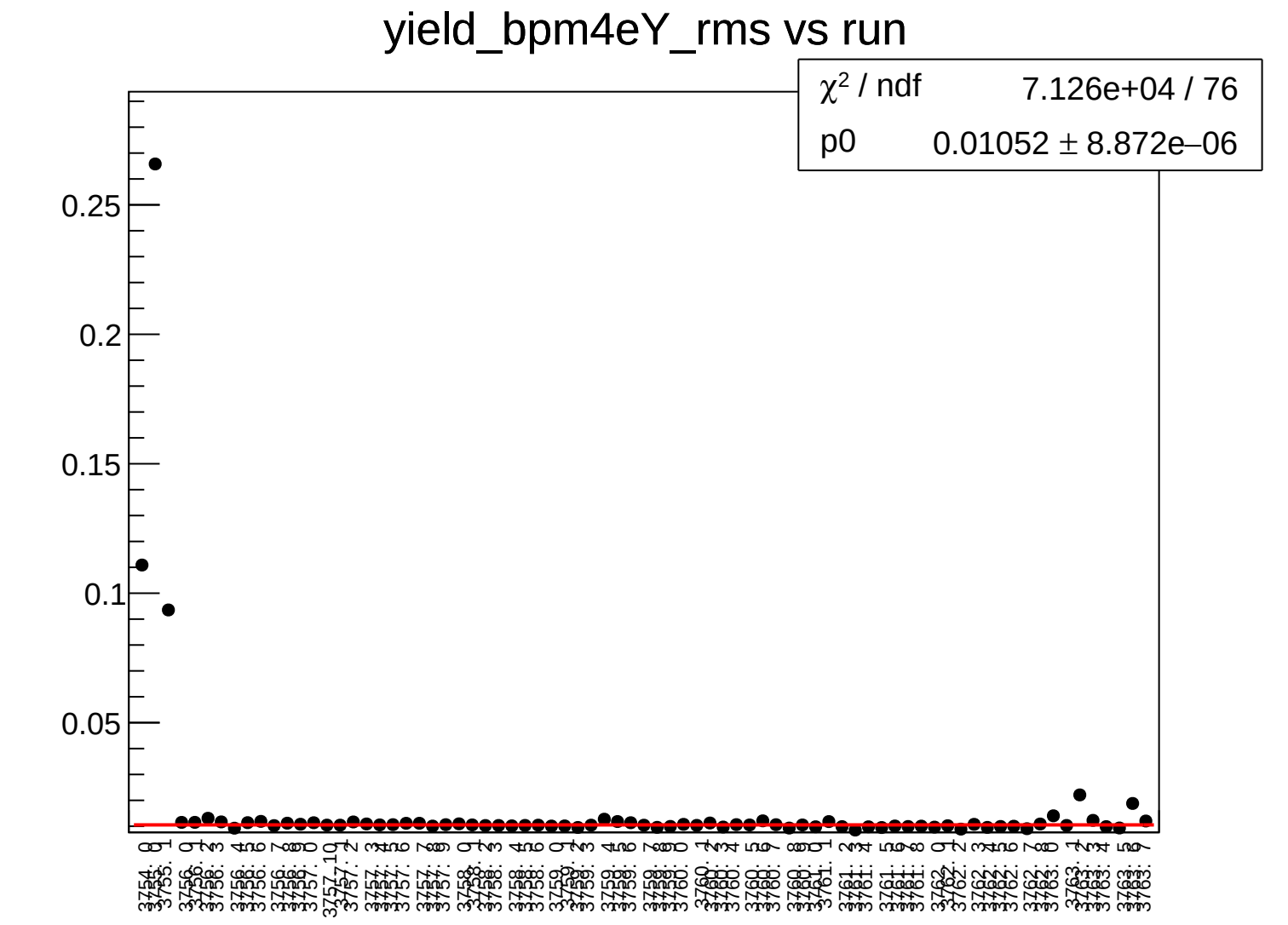

yield_bpm4eX_mean vs run
χ² / ndf 6.347e+04 / 76
p0 0.2822 ± 3.069e−05
0.33
0.32
0.31
0.3
0.29
0.28
0.27
pull
Entries 77
Mean 926.4
Std Dev 897.6
200
150
100
50
0
−50

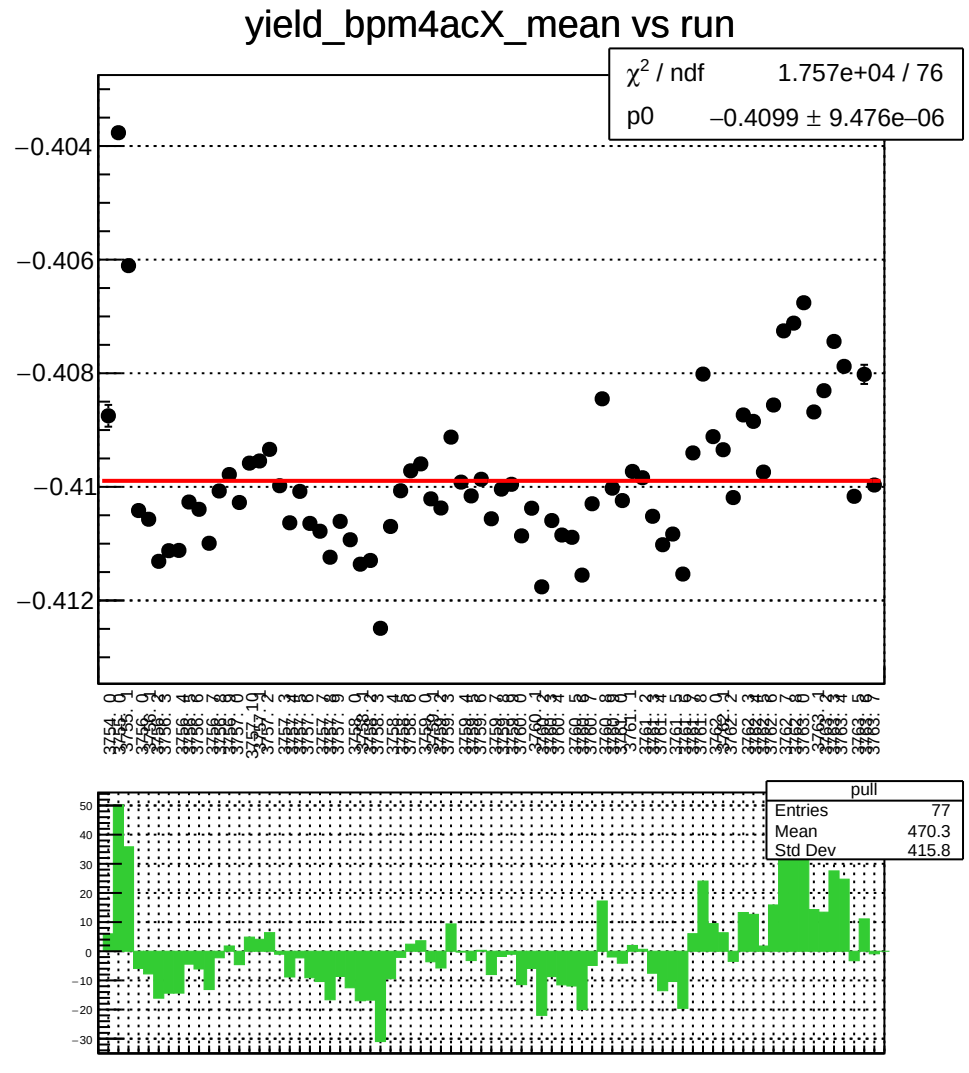

pull1D
Entries 77
Mean 0.1578
Std Dev 4.278
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

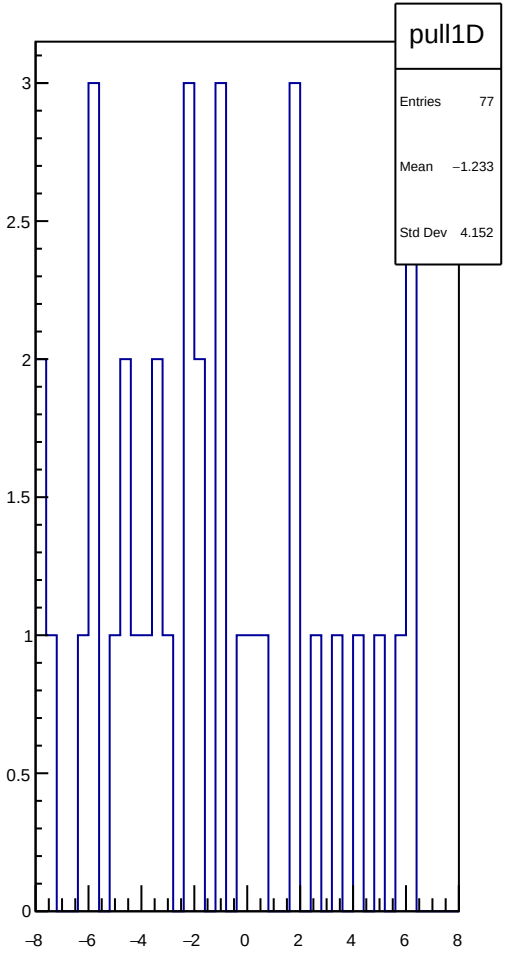

yield_bpm4eX_rms vs run
χ² / ndf 3.062e+04 / 76
p0 0.02611 ± 2.17e–05
0.12
0.1
0.08
0.06
0.04
0.02

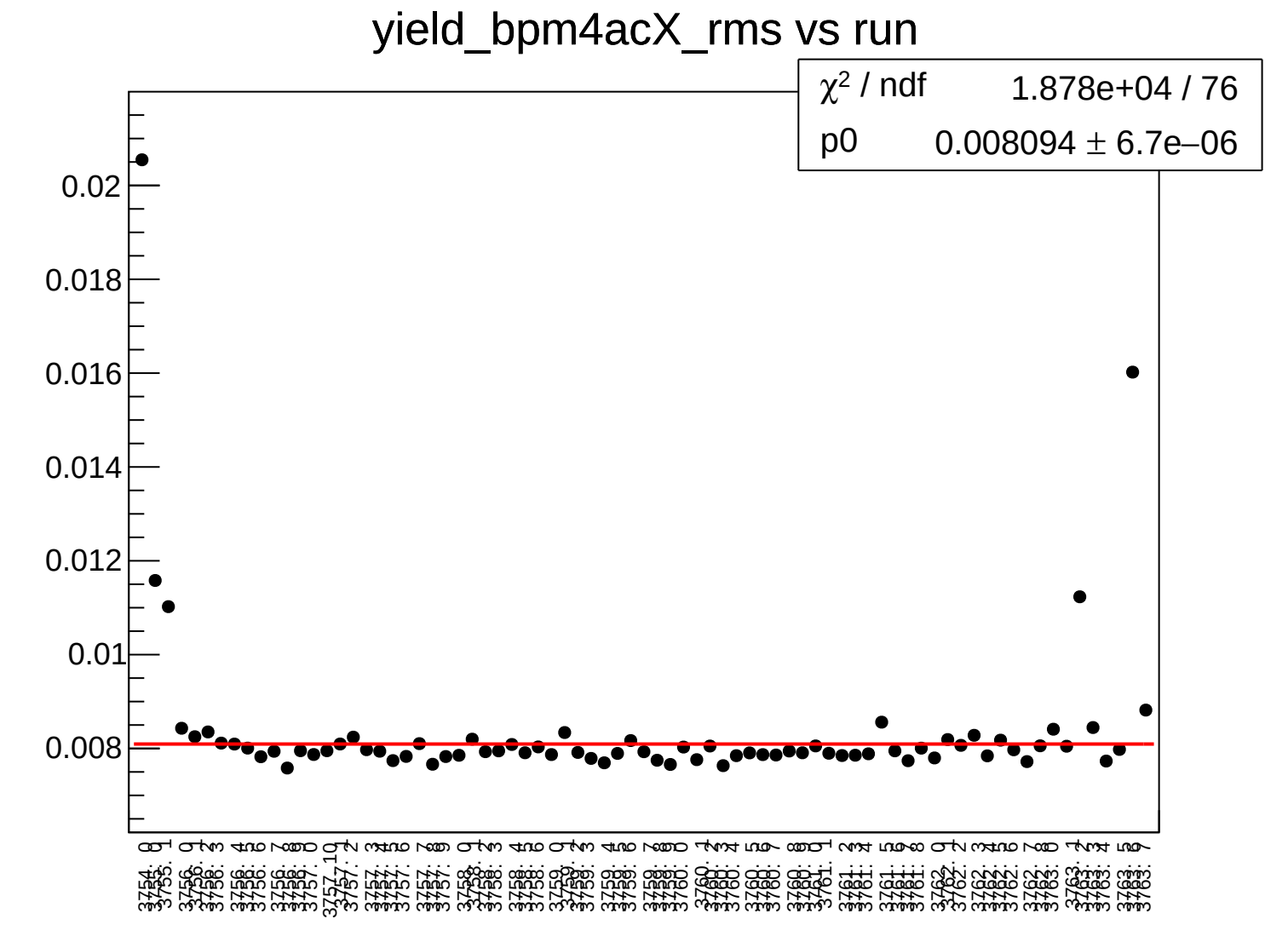

yield_bpm4eY_mean vs run
χ² / ndf 6.199e+04 / 76
p0 1.187 ± 1.255e−05
1.19
1.18
1.17
1.16
1.15
1.14
pull
Entries 77
Mean 91.41
Std Dev 63.37
60
40
20
0
−20
−40
−60
−80
−100

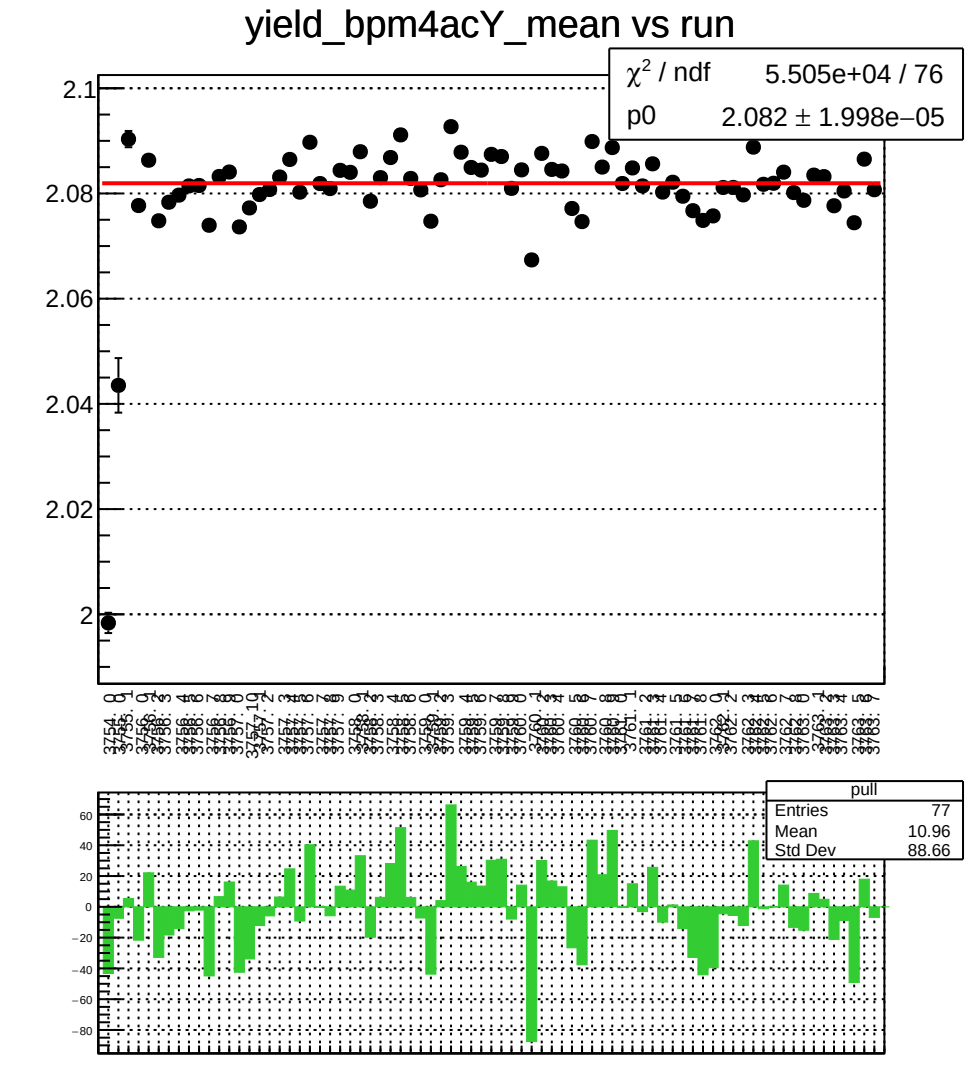

pull1D
Entries 77
Mean −0.4135
Std Dev 3.882
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

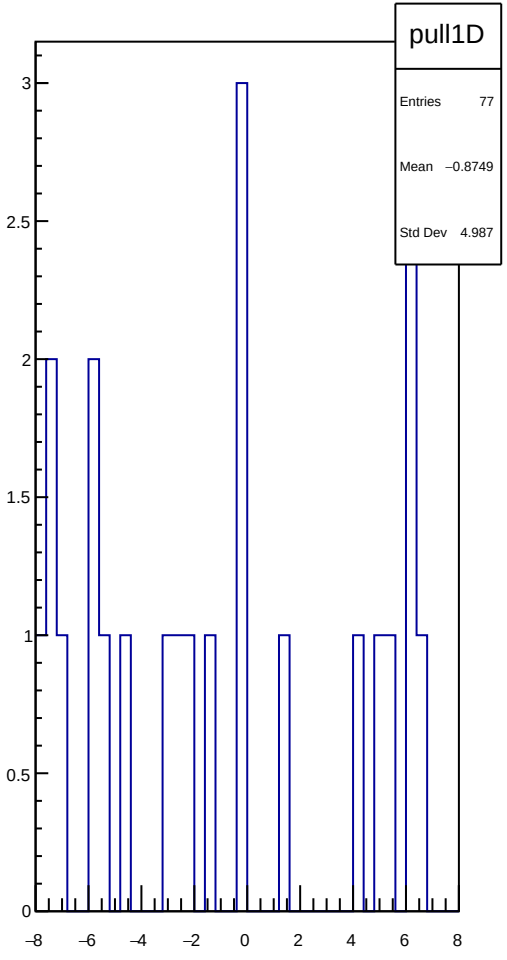

yield_bpm4eY_rms vs run
χ² / ndf 7.126e+04 / 76
p0 0.01052 ± 8.872e–06
0.25
0.2
0.15
0.1
0.05

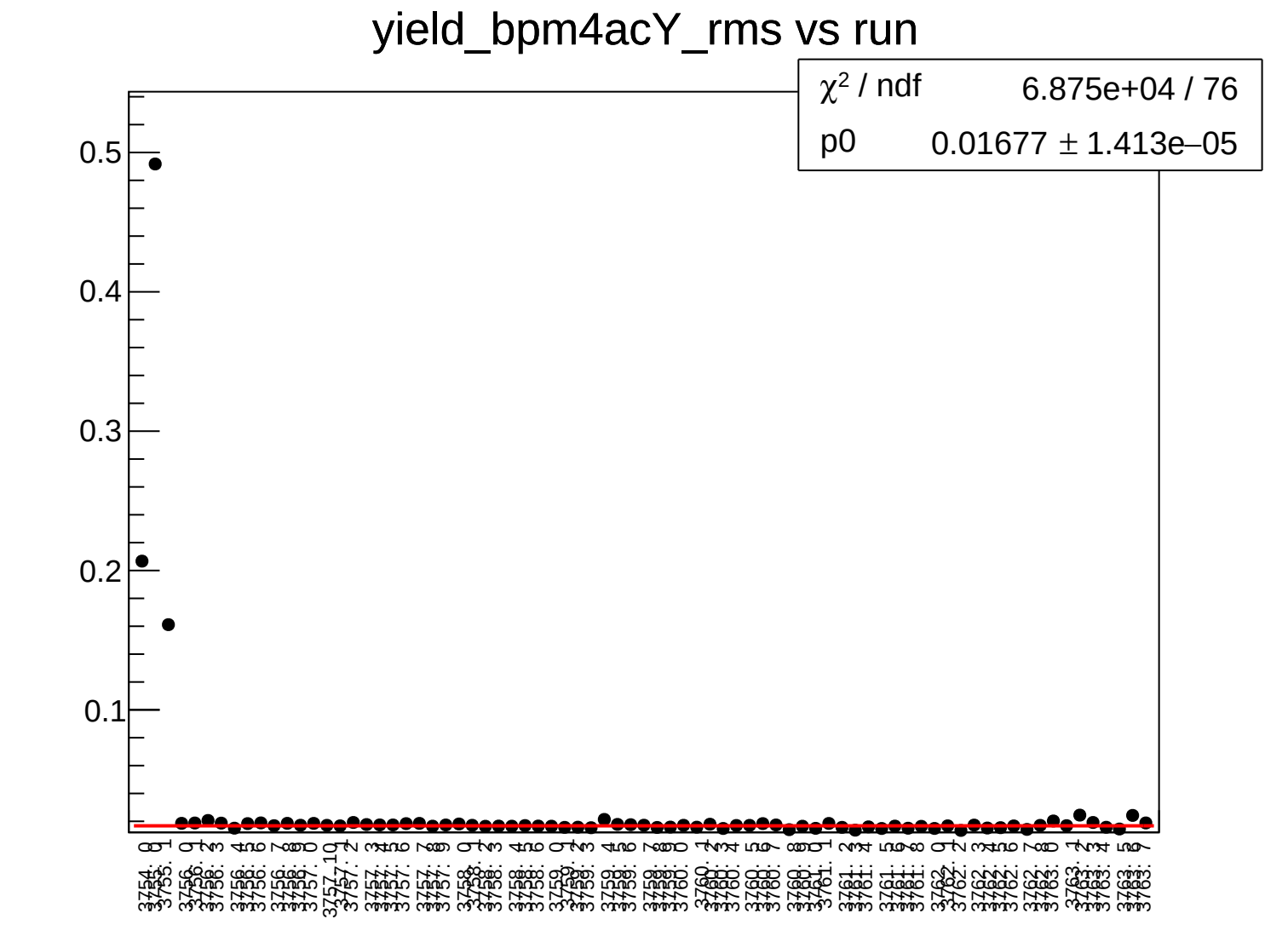

yield_bpm4acX_mean vs run
χ² / ndf 1.757e+04 / 76
p0 −0.4099 ± 9.476e−06
−0.404
−0.406
−0.408
−0.41
−0.412
pull
Entries 77
Mean 470.3
Std Dev 415.8
50
40
30
20
10
0
−10
−20
−30

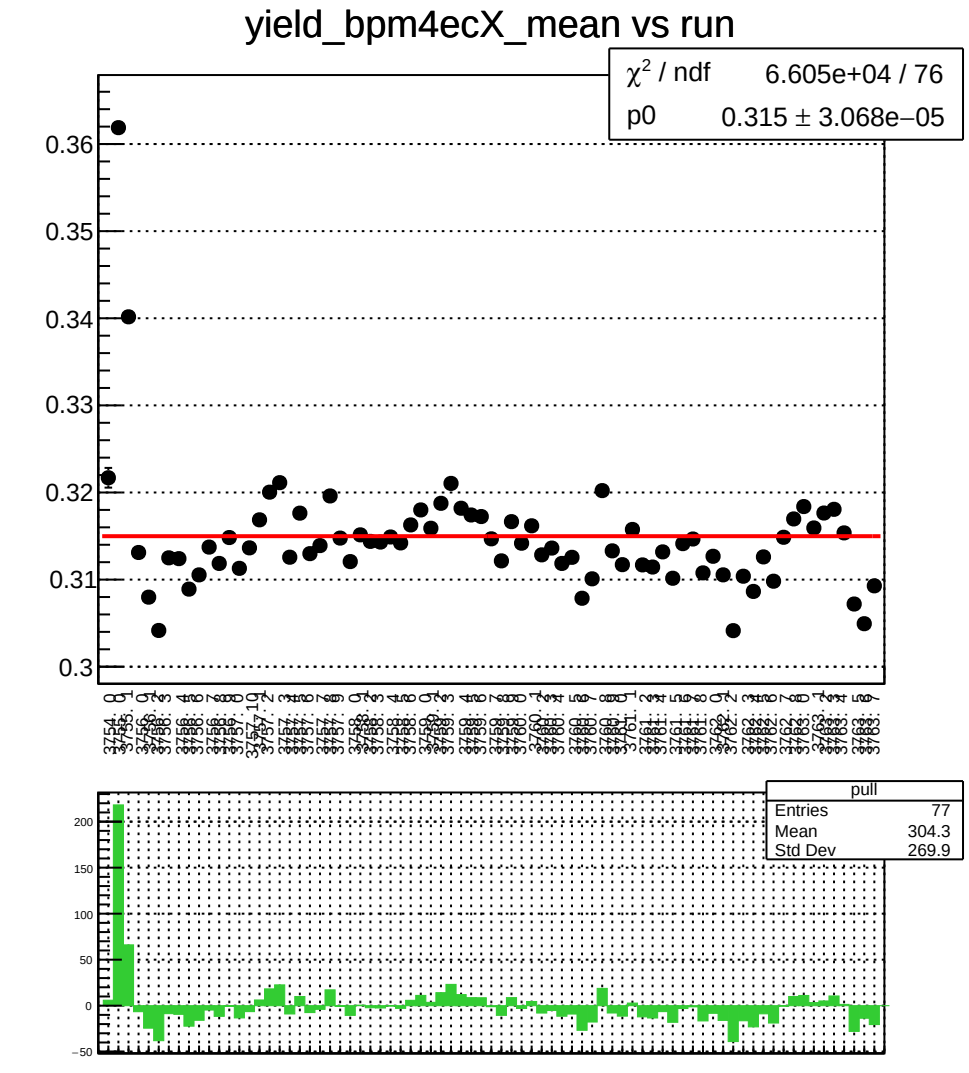

pull1D
Entries 77
Mean −1.233
Std Dev 4.152
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

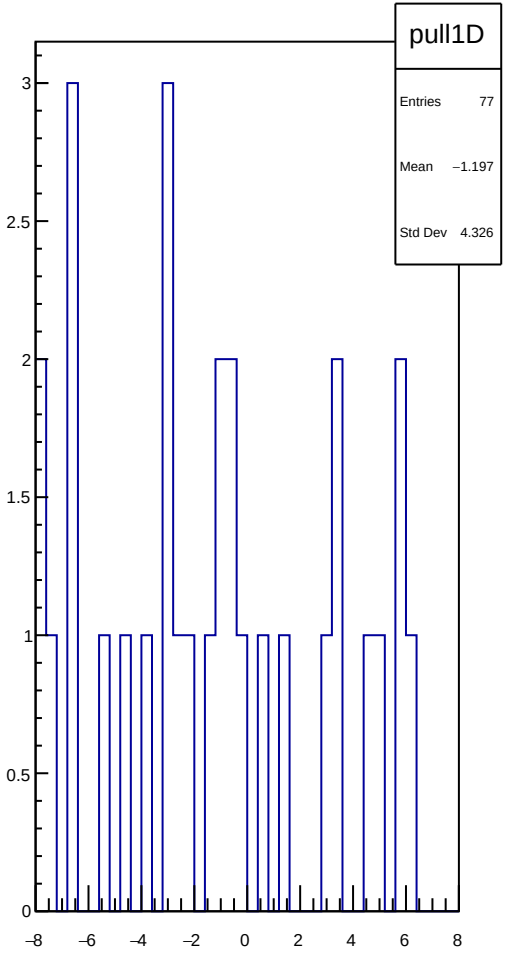

yield_bpm4acX_rms vs run
χ² / ndf 1.878e+04 / 76
p0 0.008094 ± 6.7e–06
0.02
0.018
0.016
0.014
0.012
0.01
0.008

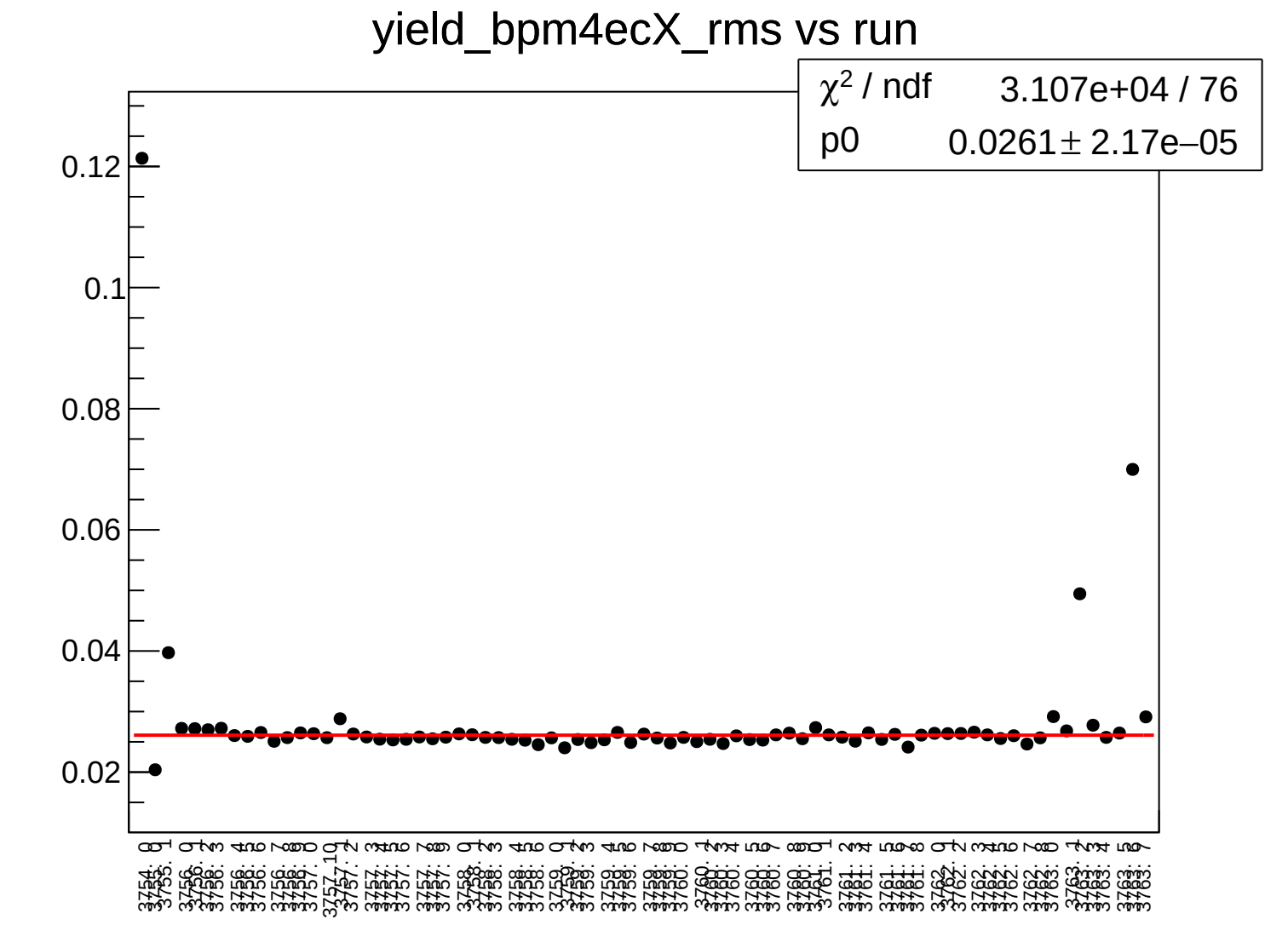

yield_bpm4acY_mean vs run
χ² / ndf 5.505e+04 / 76
p0 2.082 ± 1.998e−05
2.1
2.08
2.06
2.04
2.02
2
pull
Entries 77
Mean 10.96
Std Dev 88.66
60
40
20
0
−20
−40
−60
−80

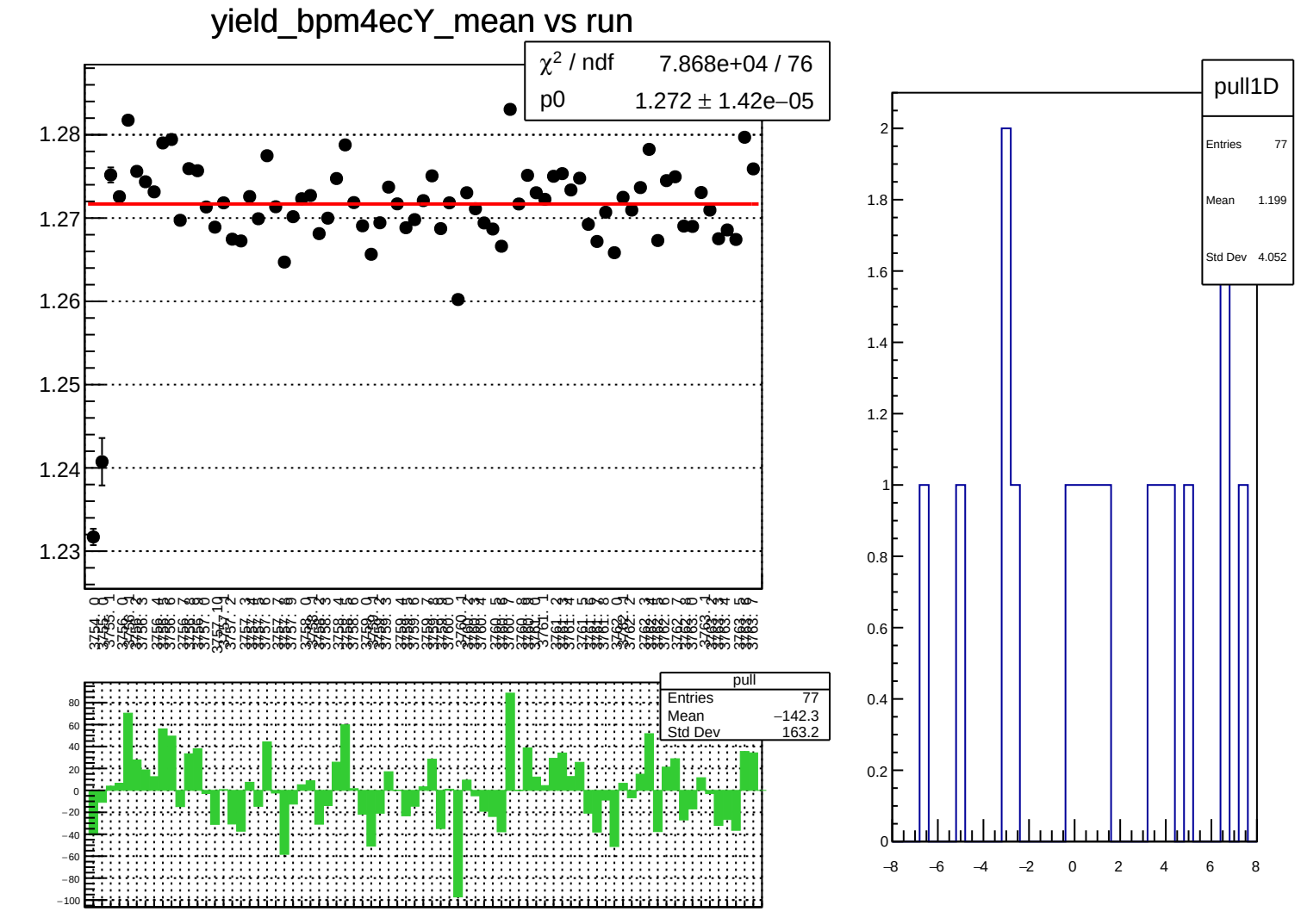

pull1D
Entries 77
Mean −0.8749
Std Dev 4.987
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

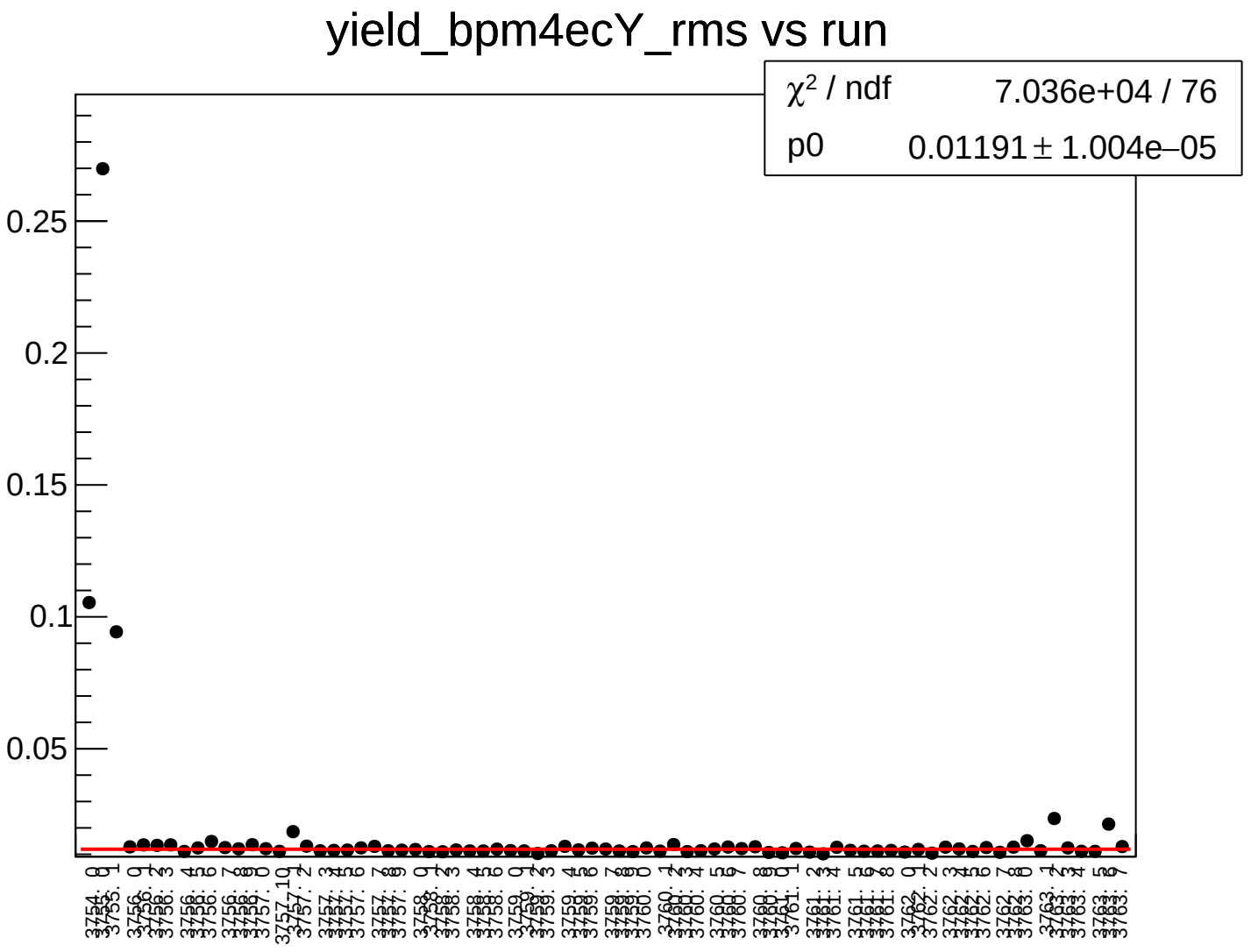

yield_bpm4acY_rms vs run
χ² / ndf 6.875e+04 / 76
p0 0.01677 ± 1.413e−05
0.5
0.4
0.3
0.2
0.1

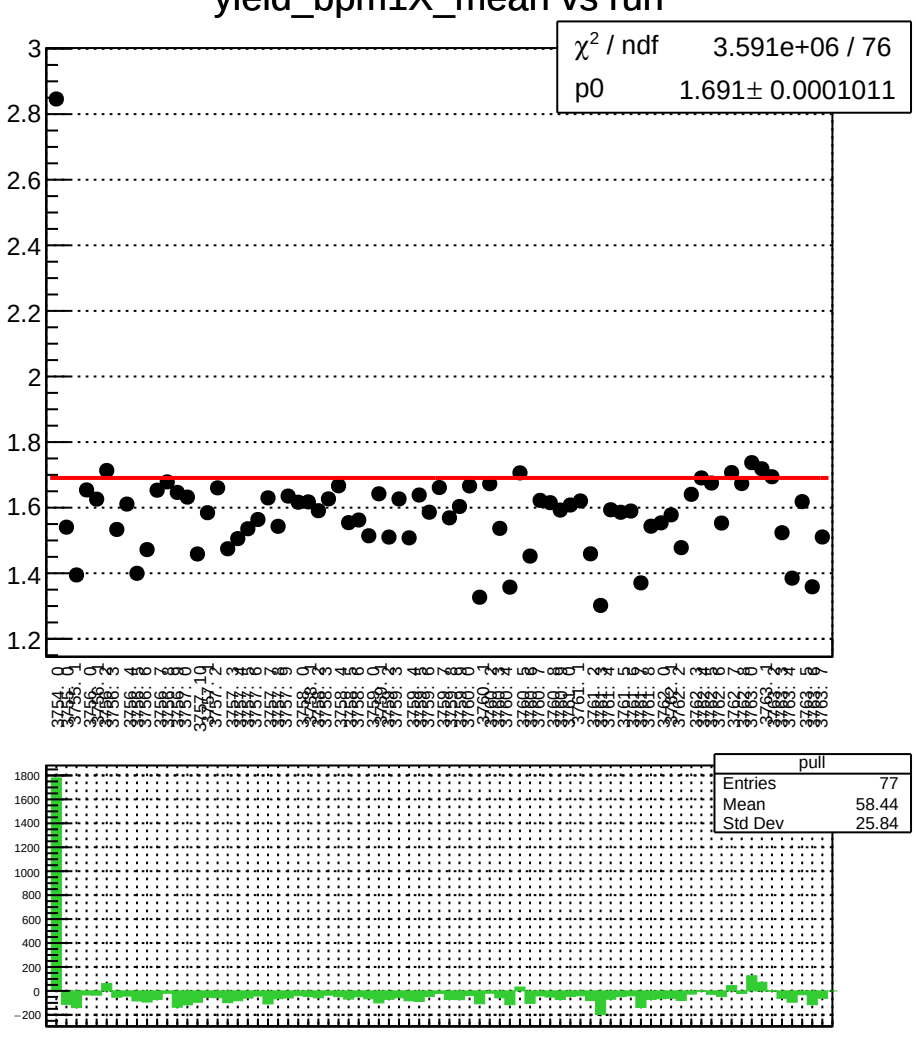

yield_bpm4ecX_mean vs run
χ² / ndf 6.605e+04 / 76
p0 0.315 ± 3.068e−05
0.36
0.35
0.34
0.33
0.32
0.31
0.3
pull
Entries 77
Mean 304.3
Std Dev 269.9
200
150
100
50
0
−50

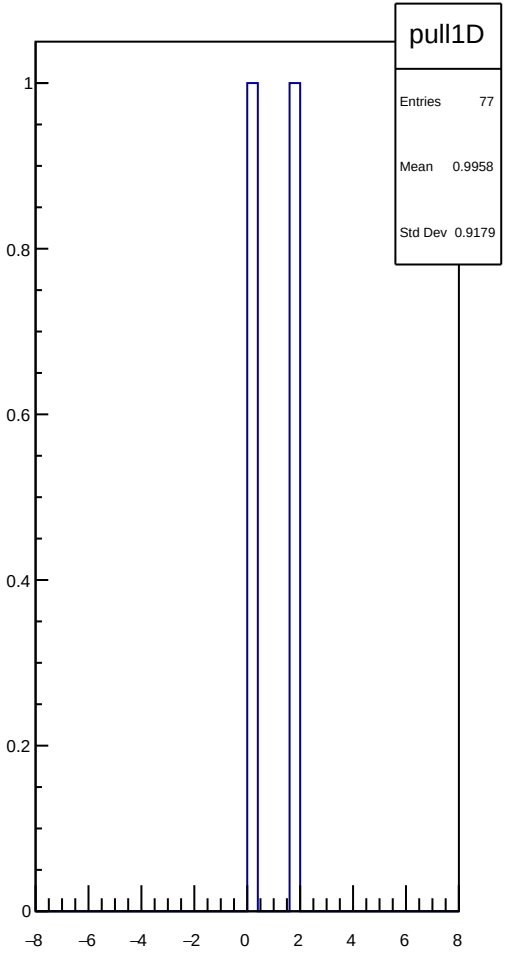

pull1D
Entries 77
Mean −1.197
Std Dev 4.326
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

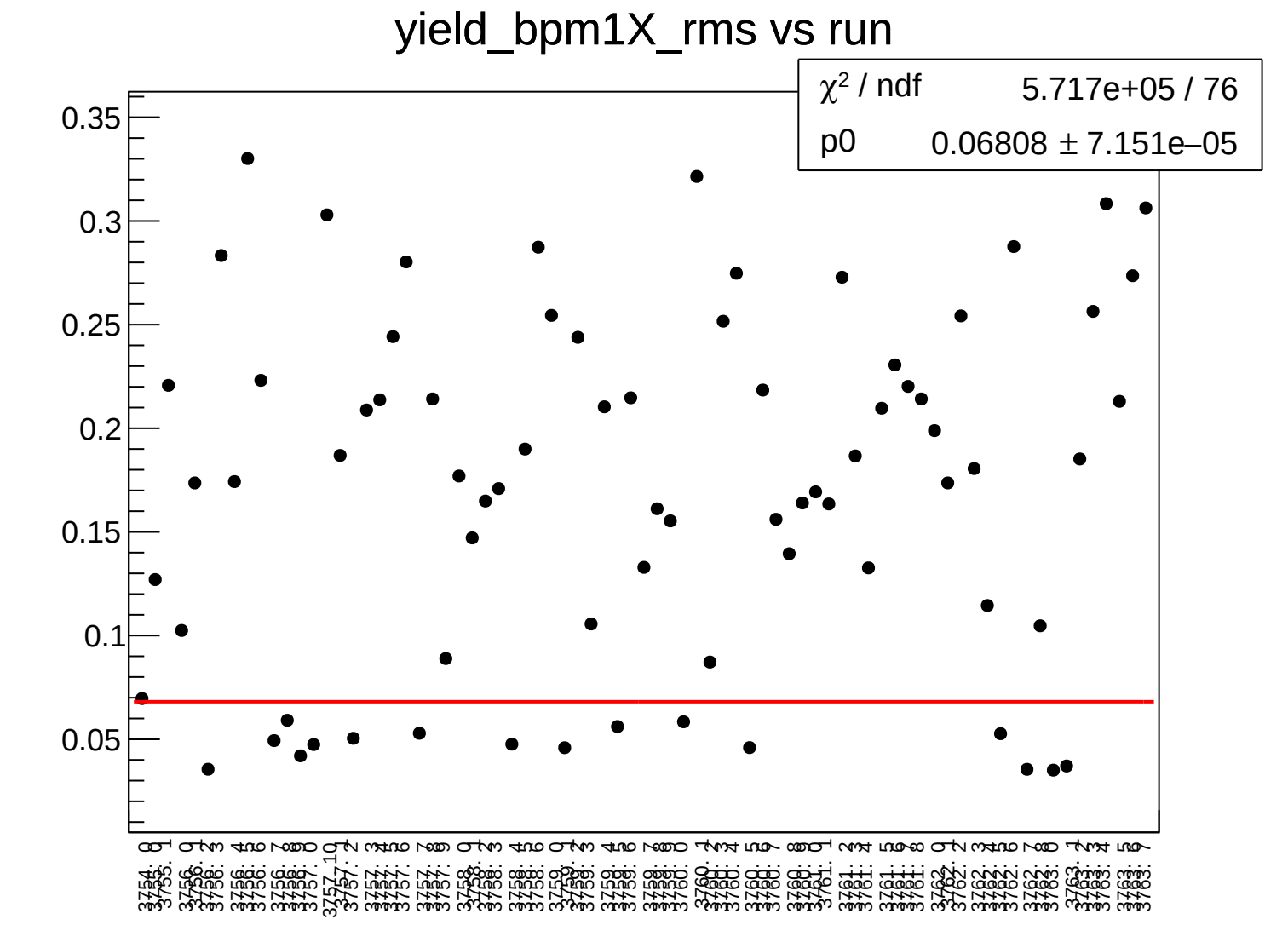

yield_bpm4ecX_rms vs run
χ² / ndf 3.107e+04 / 76
p0 0.0261 ± 2.17e−05
0.12
0.1
0.08
0.06
0.04
0.02

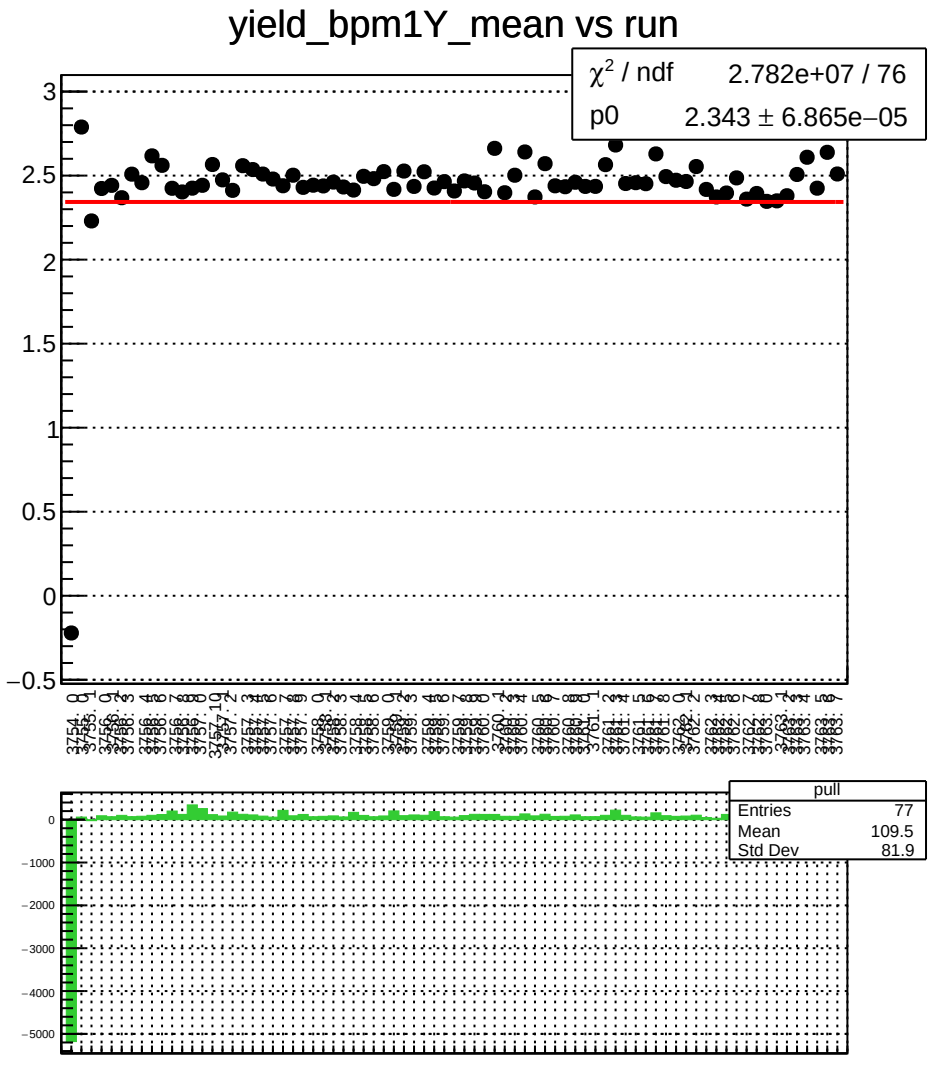

yield_bpm4ecY_mean vs run
χ² / ndf 7.868e+04 / 76
p0 1.272 ± 1.42e−05
1.28
1.27
1.26
1.25
1.24
1.23
pull
Entries 77
Mean −142.3
Std Dev 163.2
80
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 77
Mean 1.199
Std Dev 4.052
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

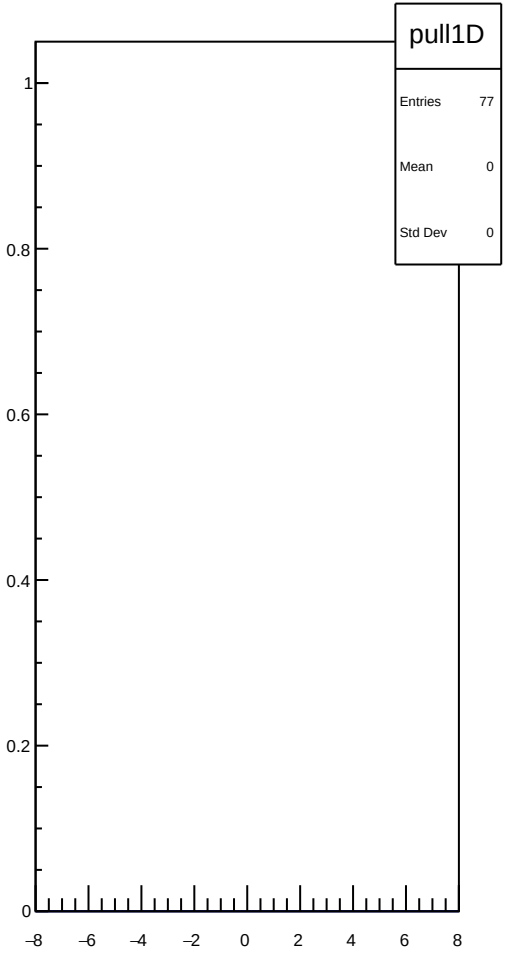

yield_bpm4ecY_rms vs run
χ² / ndf 7.036e+04 / 76
p0 0.01191 ± 1.004e–05
0.25
0.2
0.15
0.1
0.05

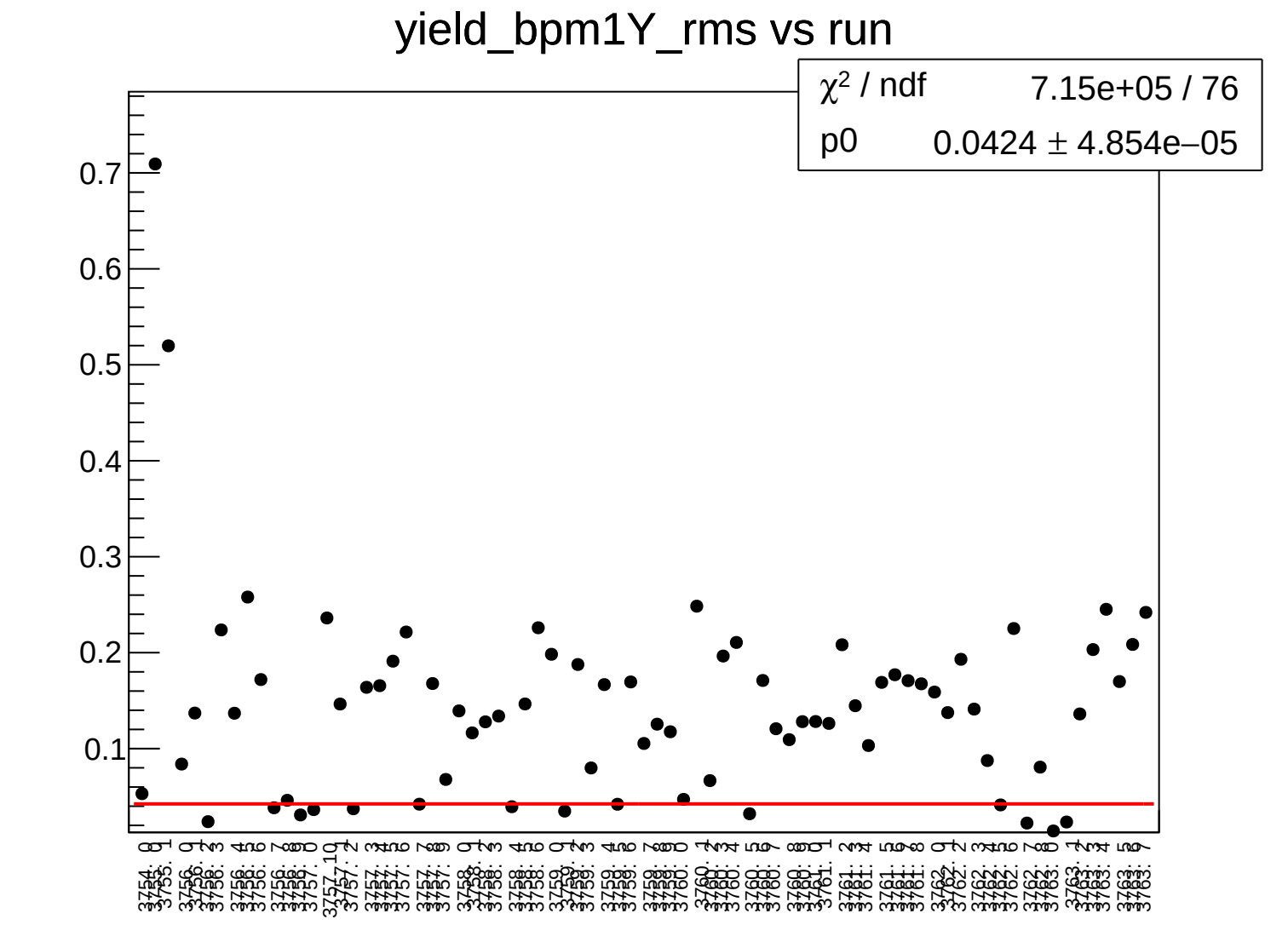

yield_bpm1X_mean vs run
χ² / ndf 3.591e+06 / 76
p0 1.691± 0.0001011
pull
Entries 77
Mean 58.44
Std Dev 25.84

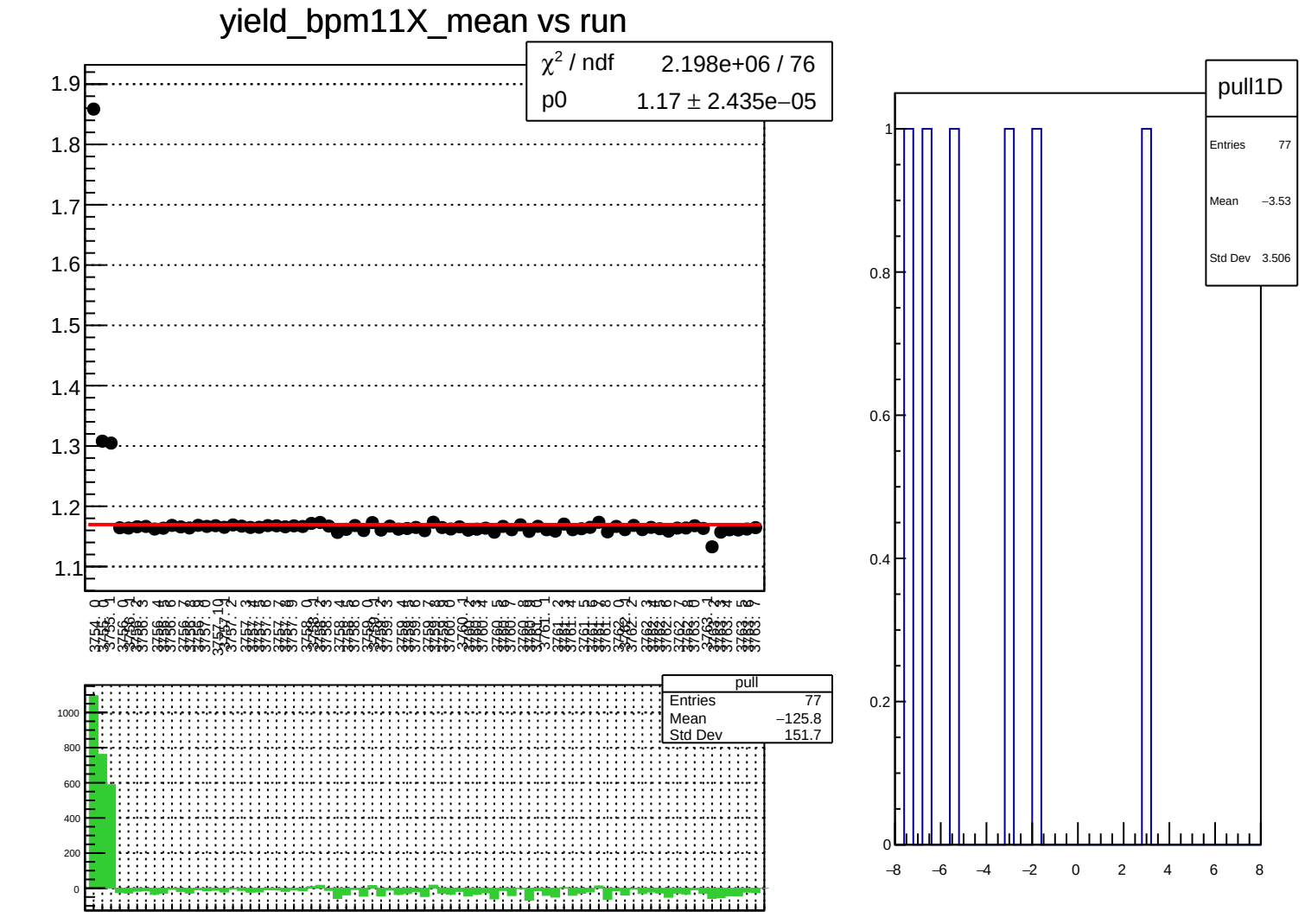

pull1D
Entries 77
Mean 0.9958
Std Dev 0.9179

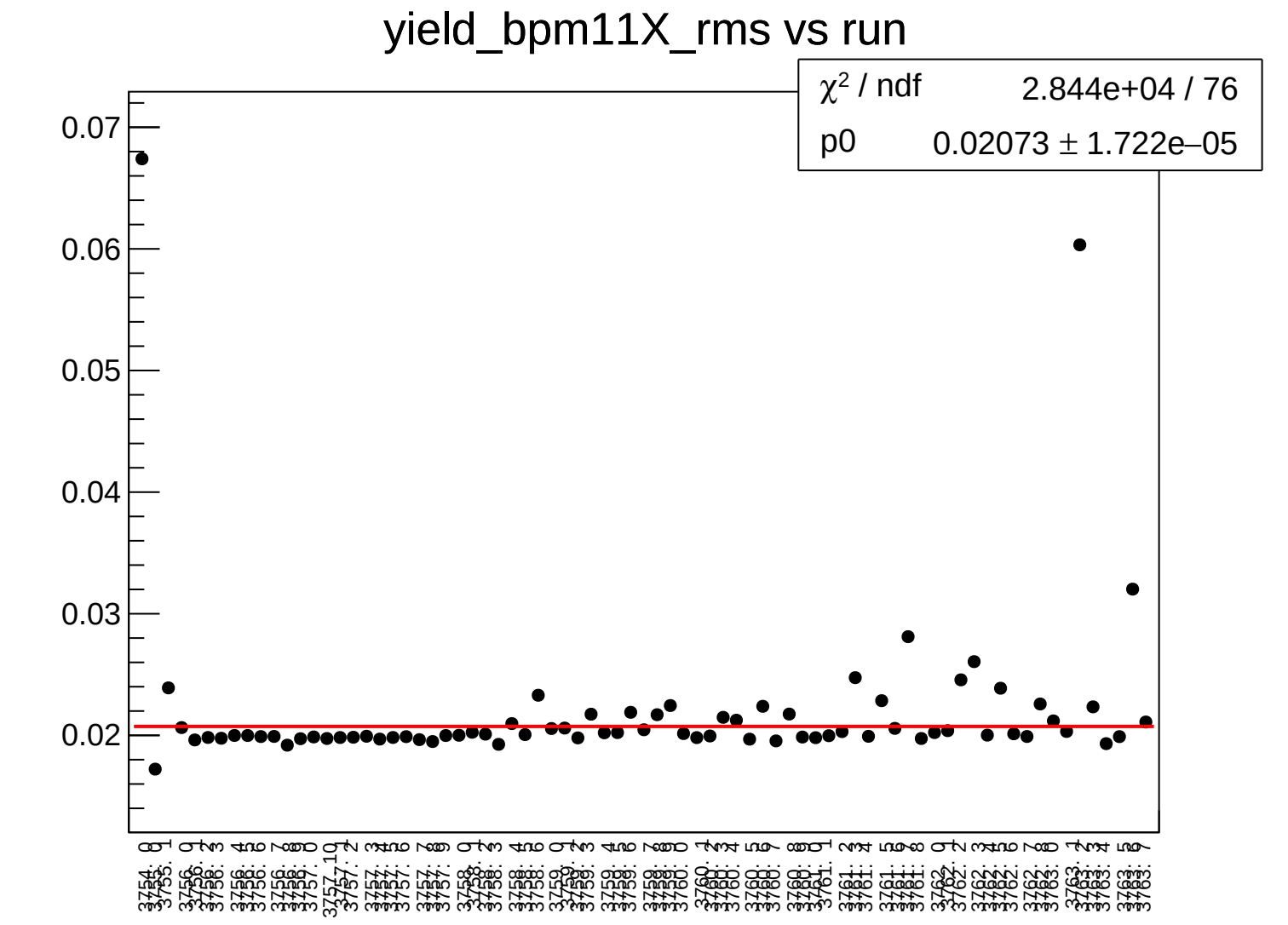

yield_bpm1X_rms vs run
χ² / ndf 5.717e+05 / 76
p0 0.06808 ± 7.151e–05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

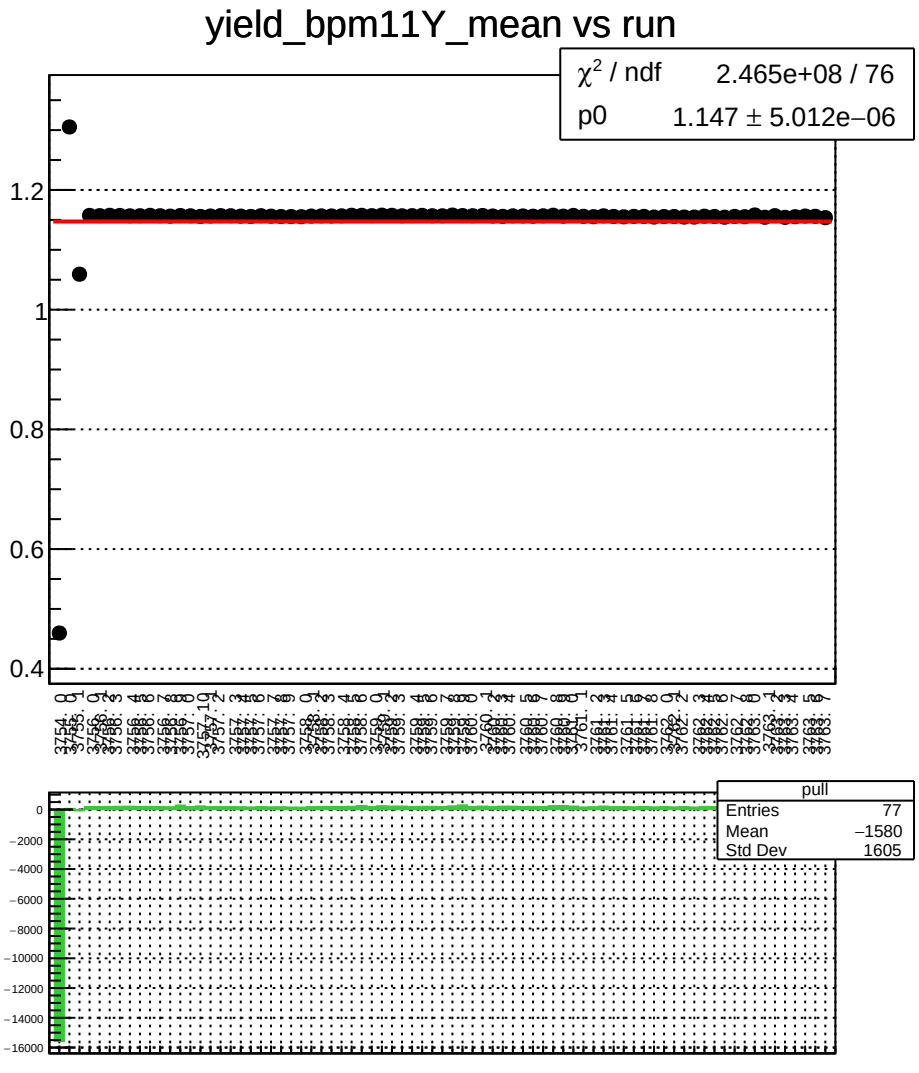

yield_bpm1Y_mean vs run
χ² / ndf 2.782e+07 / 76
p0 2.343 ± 6.865e−05
pull
Entries 77
Mean 109.5
Std Dev 81.9

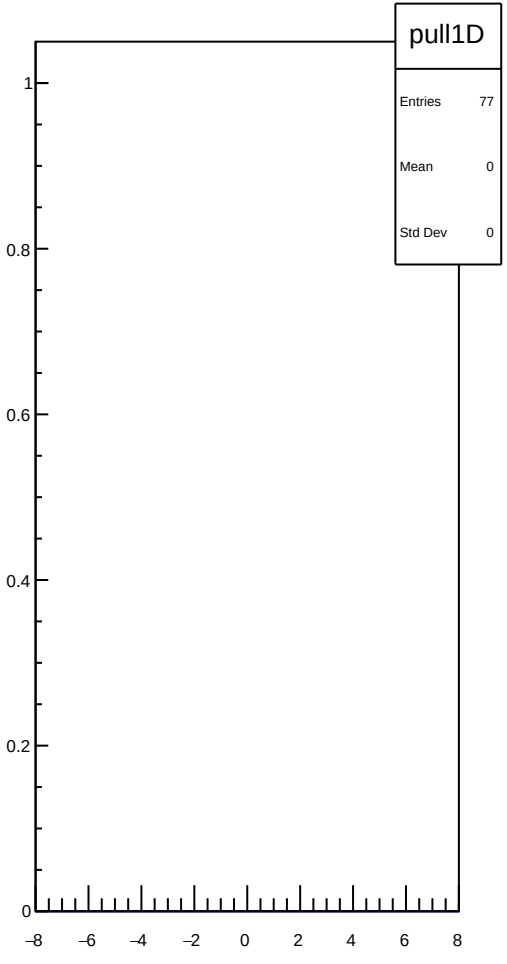

pull1D
Entries 77
Mean 0
Std Dev 0

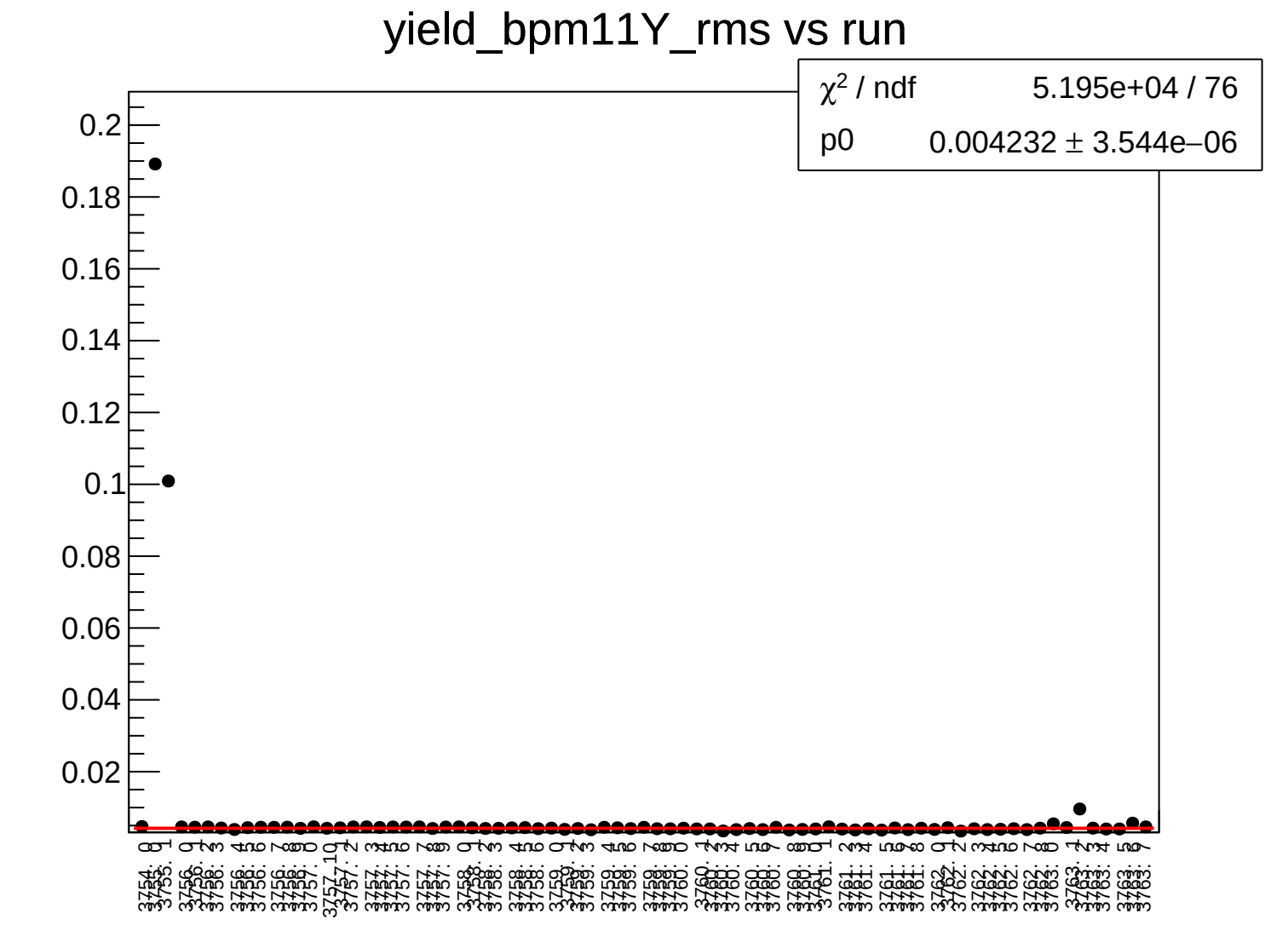

yield_bpm1Y_rms vs run
χ² / ndf 7.15e+05 / 76
p0 0.0424 ± 4.854e−05
0.7
0.6
0.5
0.4
0.3
0.2
0.1

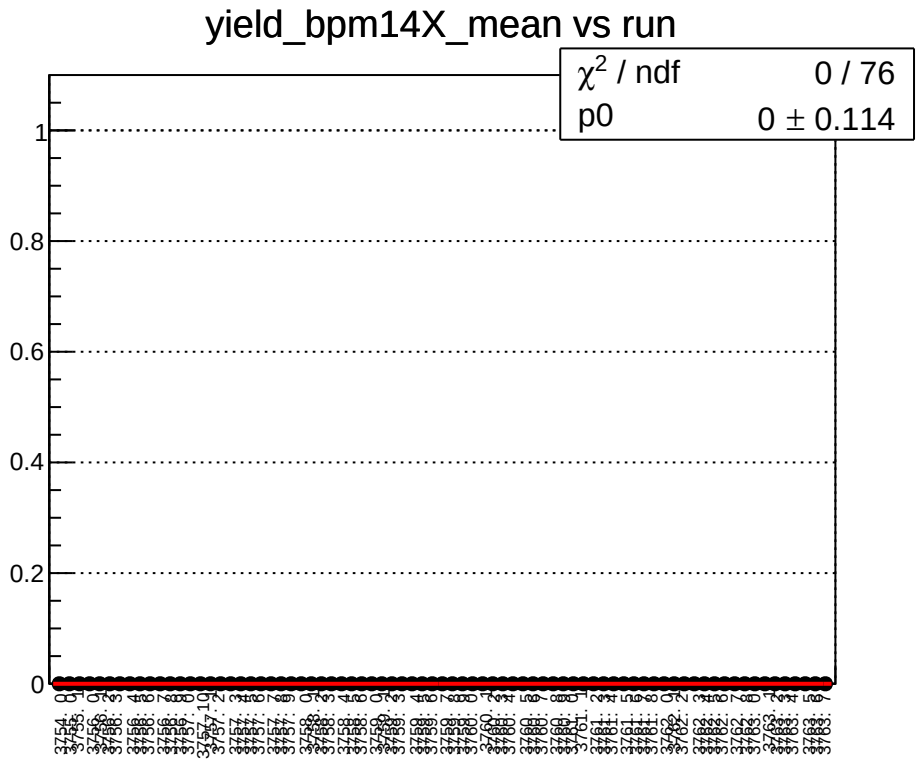

yield_bpm11X_mean vs run
χ² / ndf 2.198e+06 / 76
p0 1.17 ± 2.435e−05
pull
Entries 77
Mean −125.8
Std Dev 151.7
pull1D
Entries 77
Mean −3.53
Std Dev 3.506

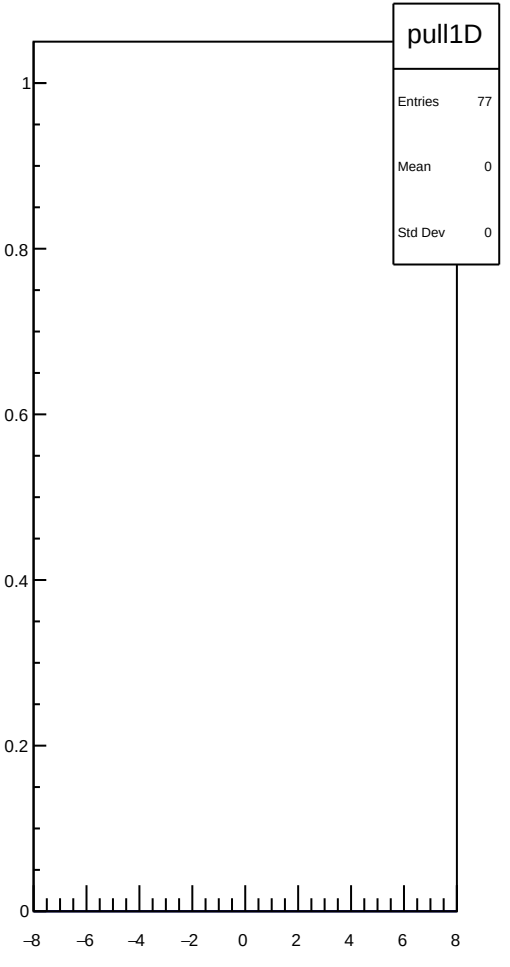

yield_bpm11X_rms vs run
χ² / ndf 2.844e+04 / 76
p0 0.02073 ± 1.722e−05
0.07
0.06
0.05
0.04
0.03
0.02

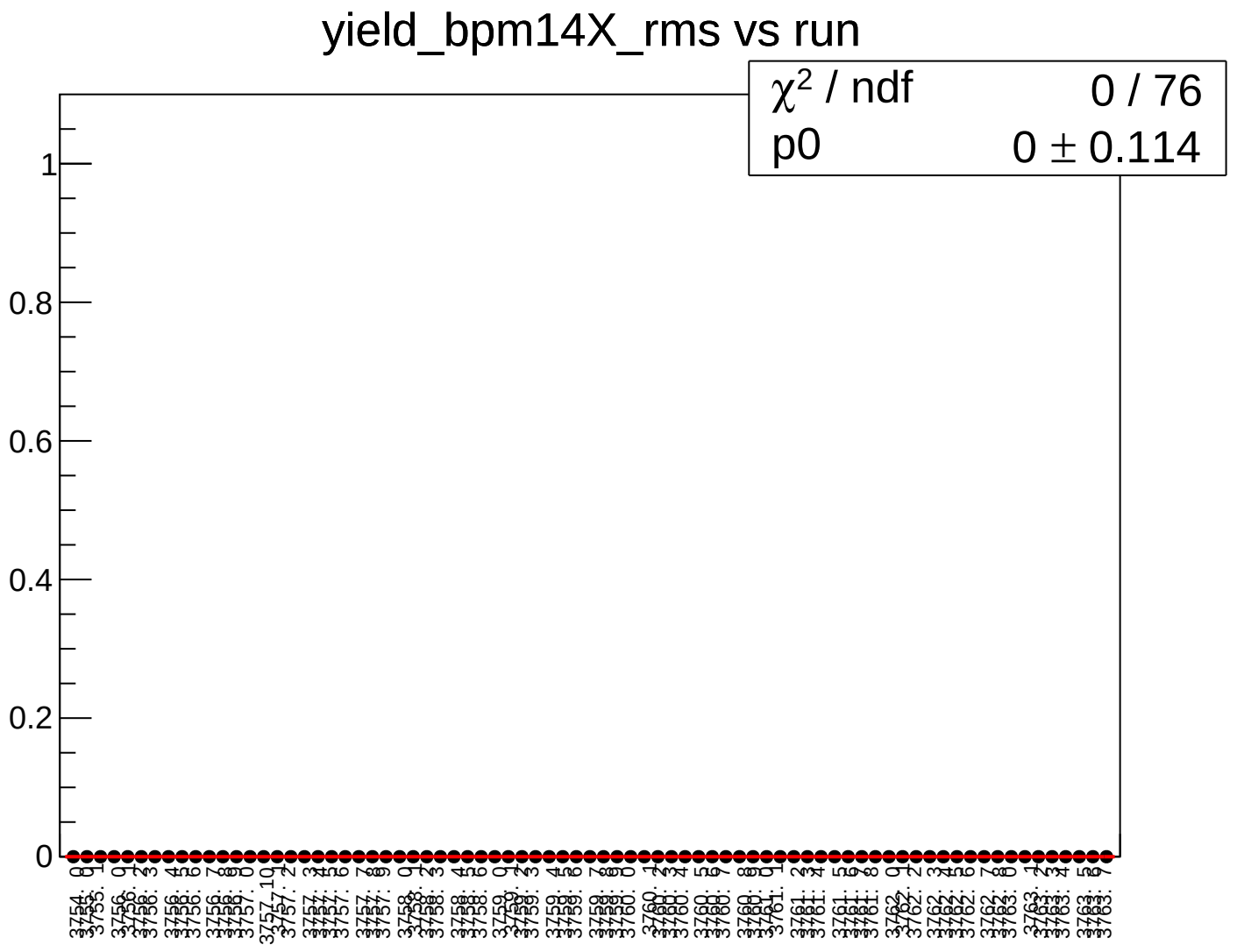

yield_bpm11Y_mean vs run
χ² / ndf 2.465e+08 / 76
p0 1.147 ± 5.012e−06
pull
Entries 77
Mean −1580
Std Dev 1605

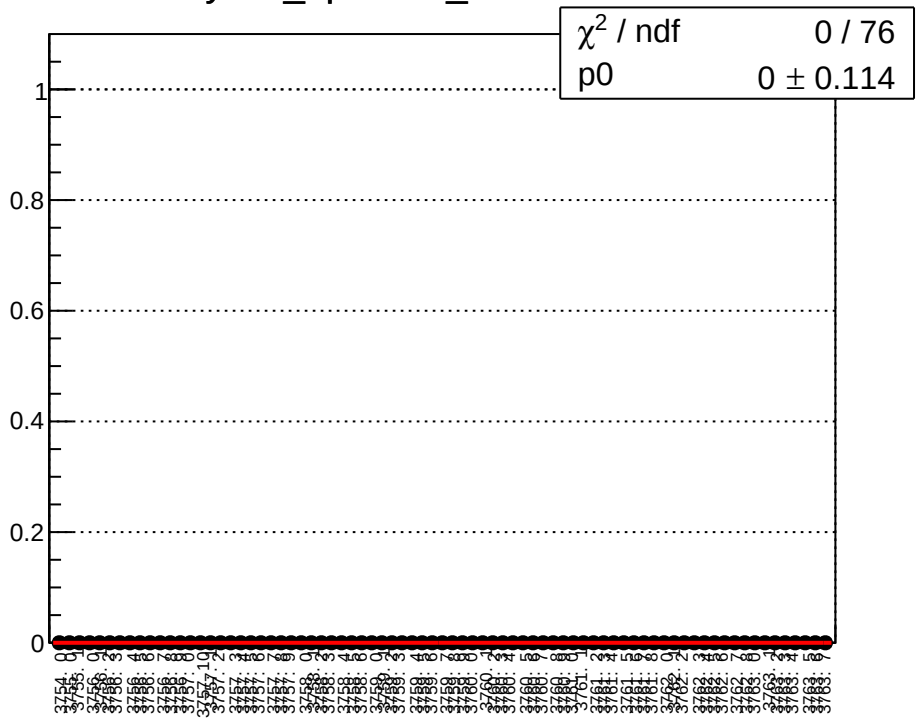

pull1D
Entries 77
Mean 0
Std Dev 0

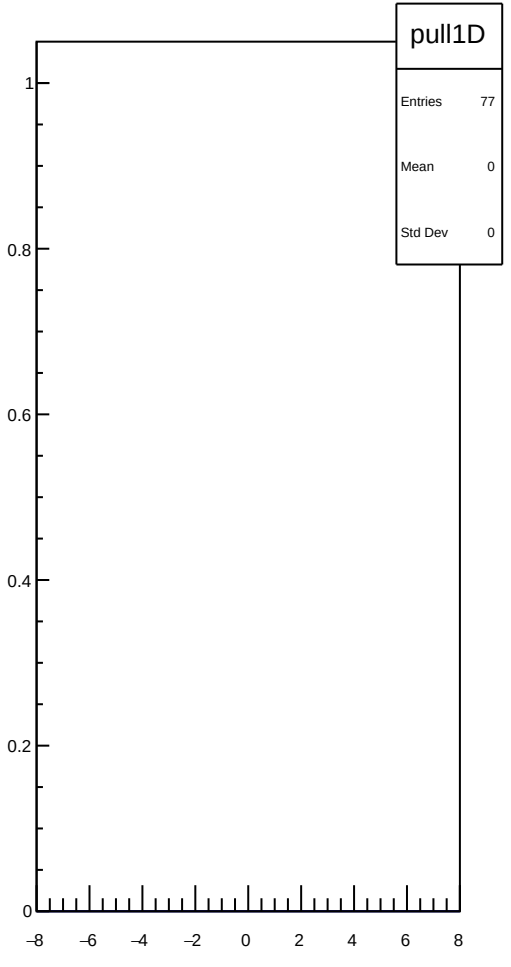

yield_bpm11Y_rms vs run
χ^2 / ndf 5.195e+04 / 76
p0 0.004232 ± 3.544e−06
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

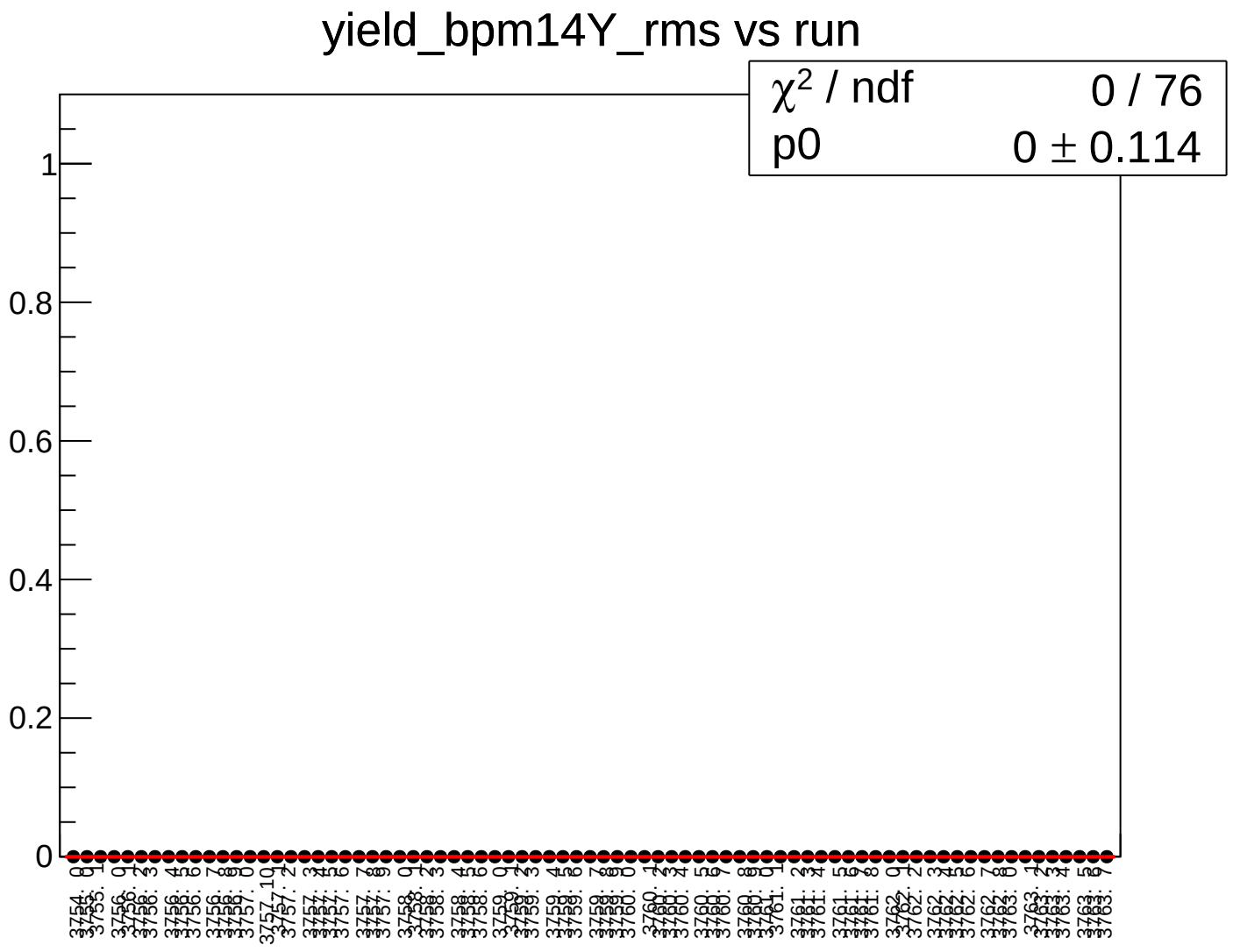

yield_bpm14X_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

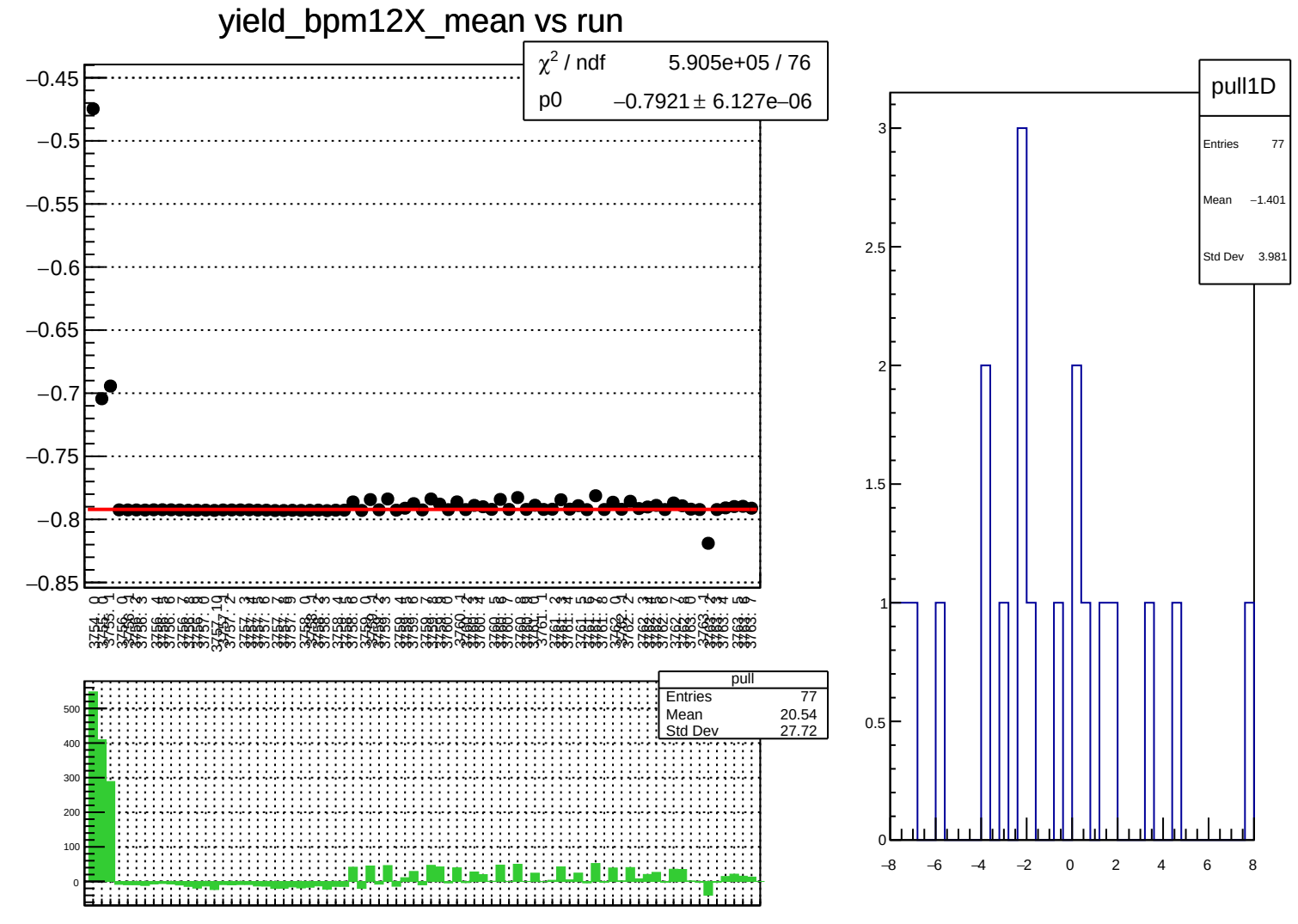

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

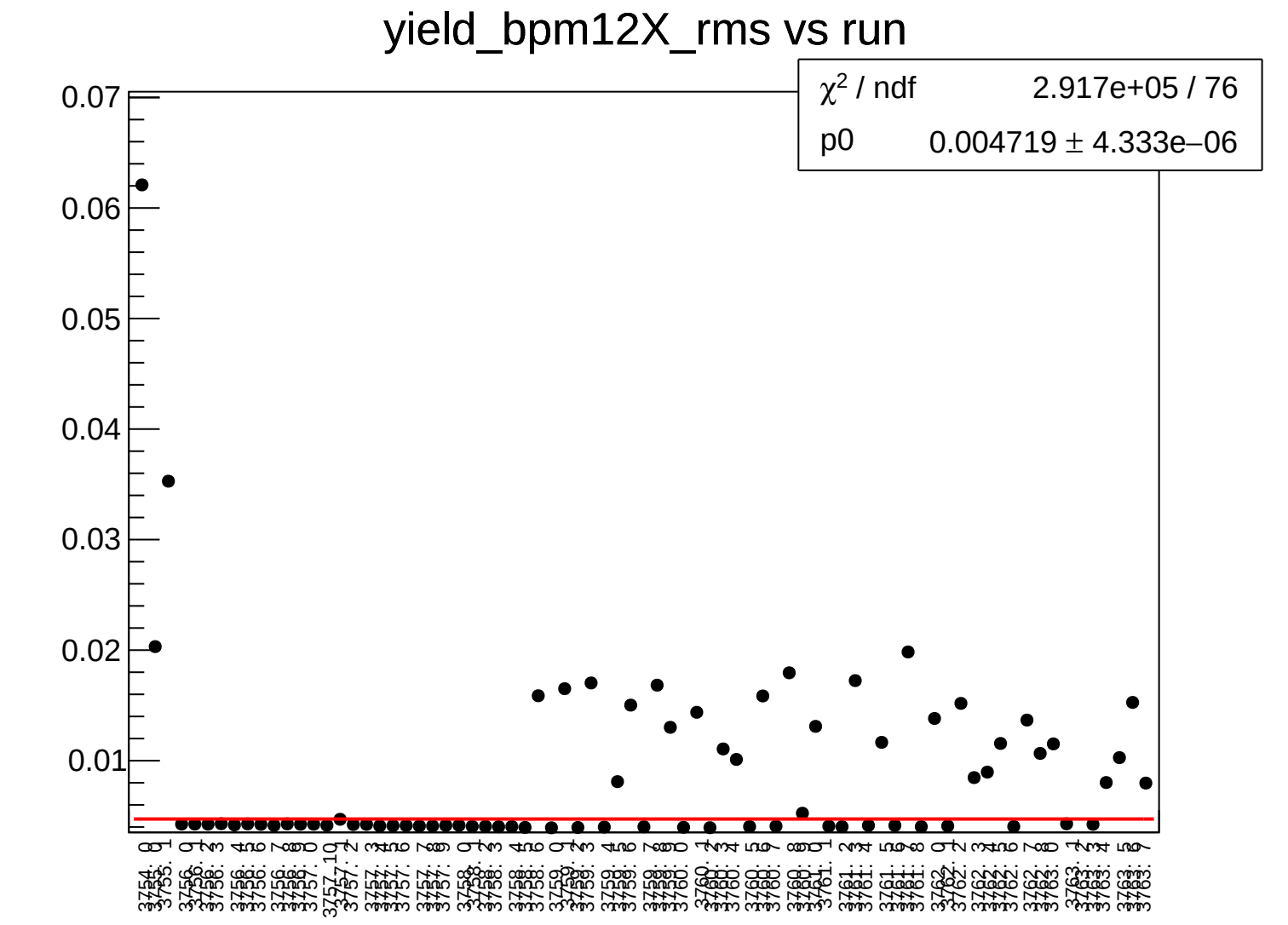

yield_bpm14X_rms vs run
χ² / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

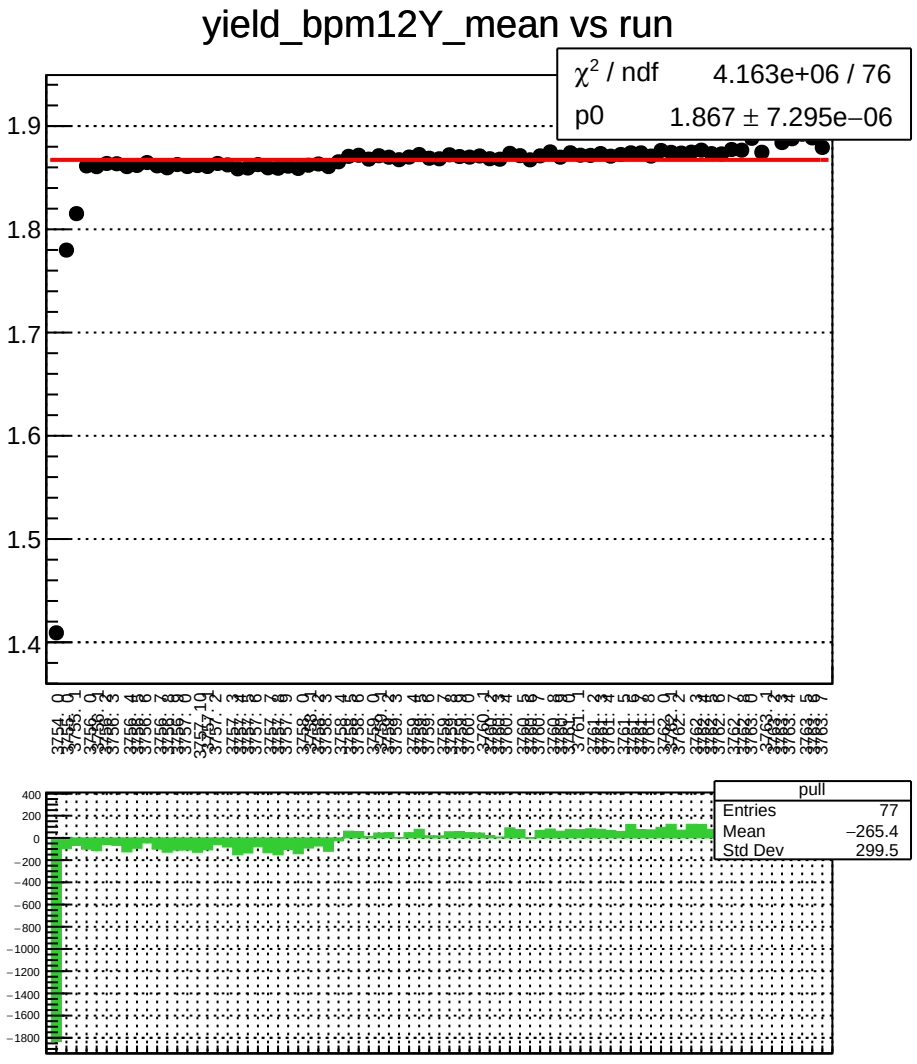

yield_bpm14Y_mean vs run
χ² / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

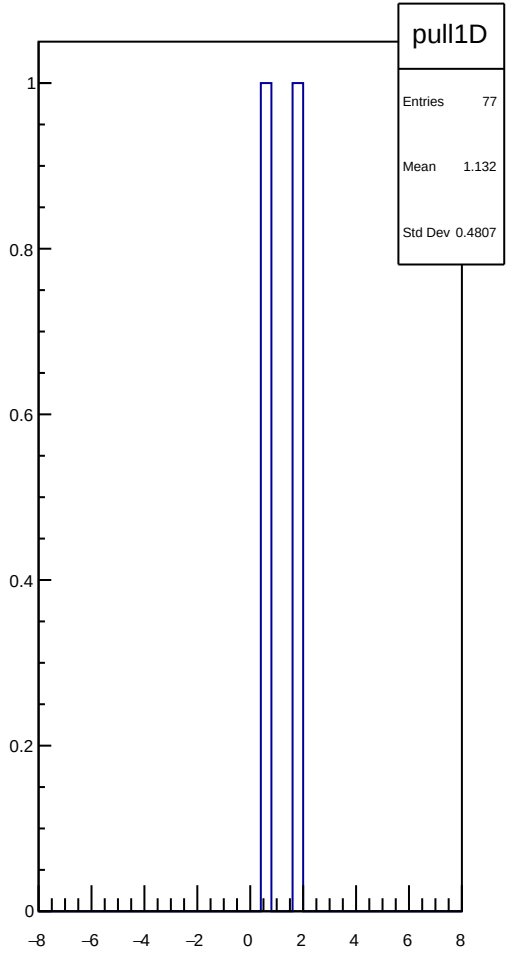

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

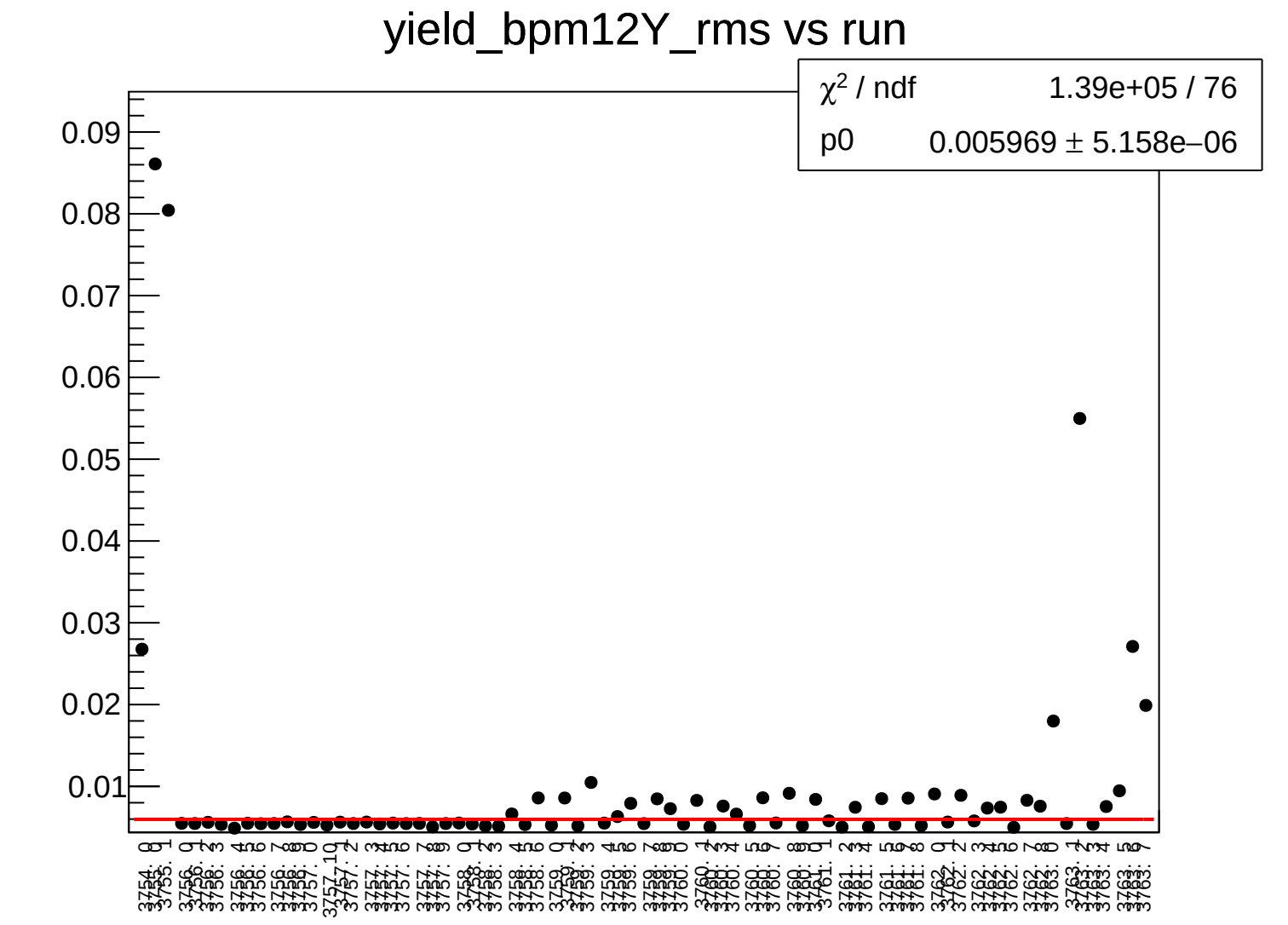

yield_bpm14Y_rms vs run
χ² / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

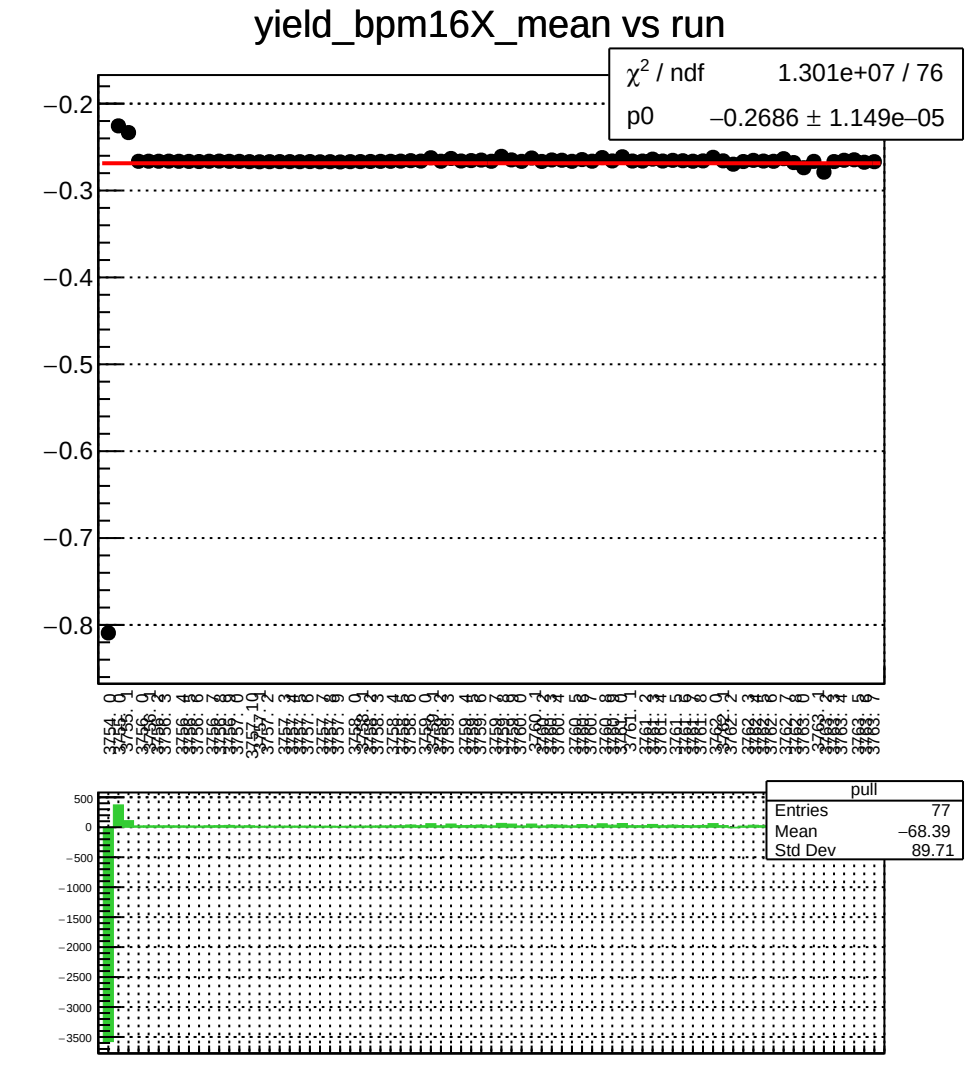

yield_bpm12X_mean vs run
χ² / ndf 5.905e+05 / 76
p0 −0.7921 ± 6.127e−06
−0.45
−0.5
−0.55
−0.6
−0.65
−0.7
−0.75
−0.8
−0.85
pull
Entries 77
Mean 20.54
Std Dev 27.72
500
400
300
200
100
0
pull1D
Entries 77
Mean −1.401
Std Dev 3.981
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

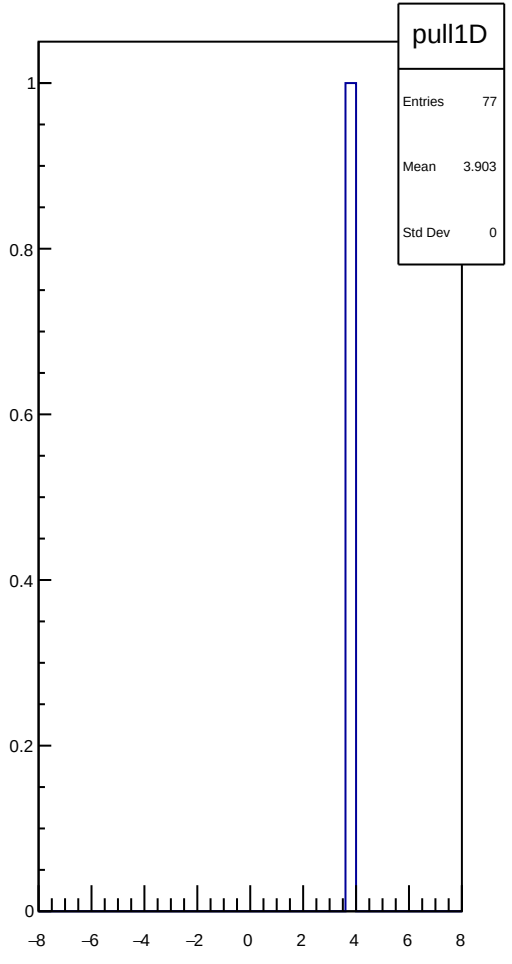

yield_bpm12X_rms vs run
χ^2 / ndf 2.917e+05 / 76
p0 0.004719 ± 4.333e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

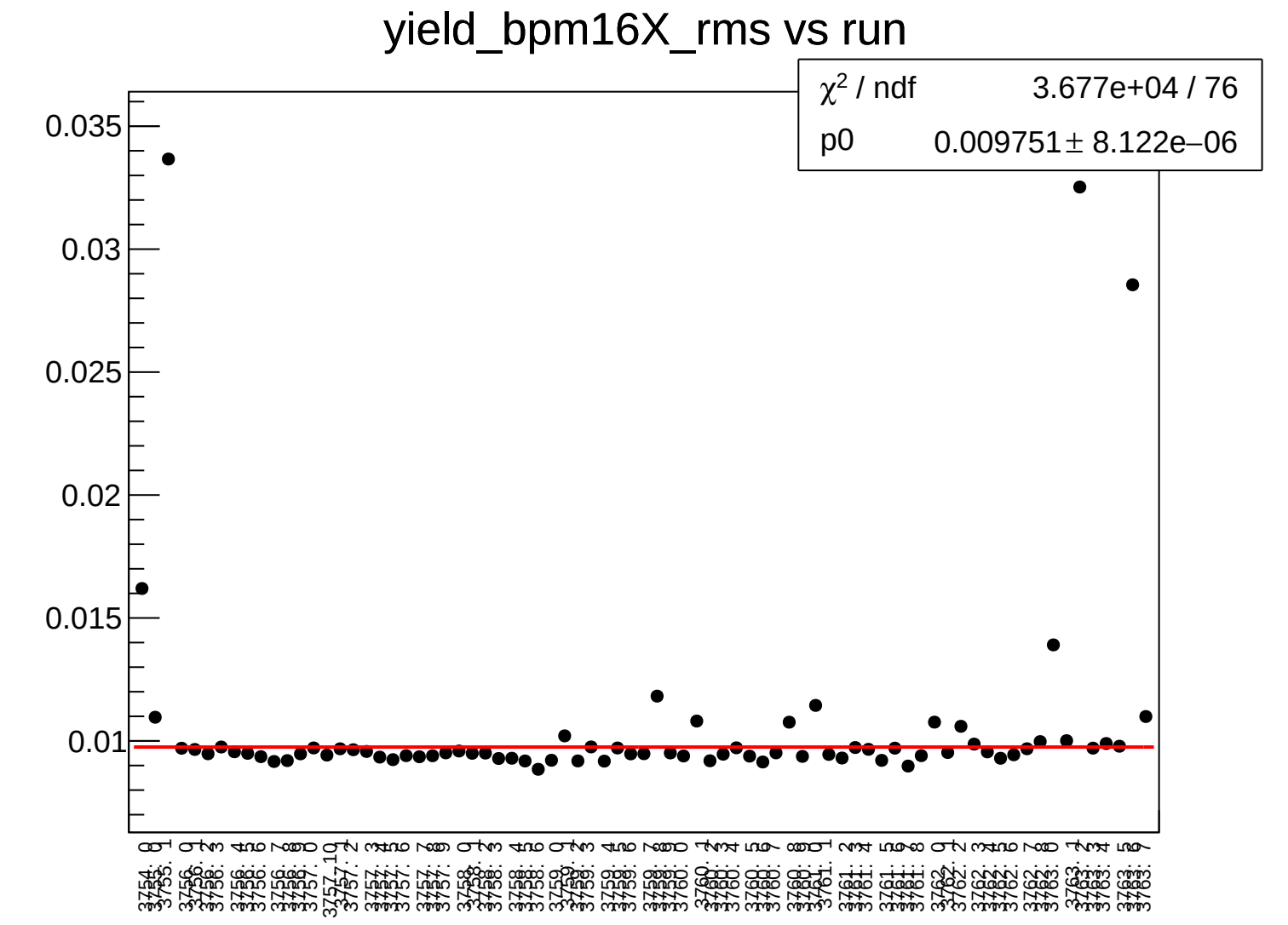

yield_bpm12Y_mean vs run
χ² / ndf 4.163e+06 / 76
p0 1.867 ± 7.295e−06
pull
Entries 77
Mean −265.4
Std Dev 299.5

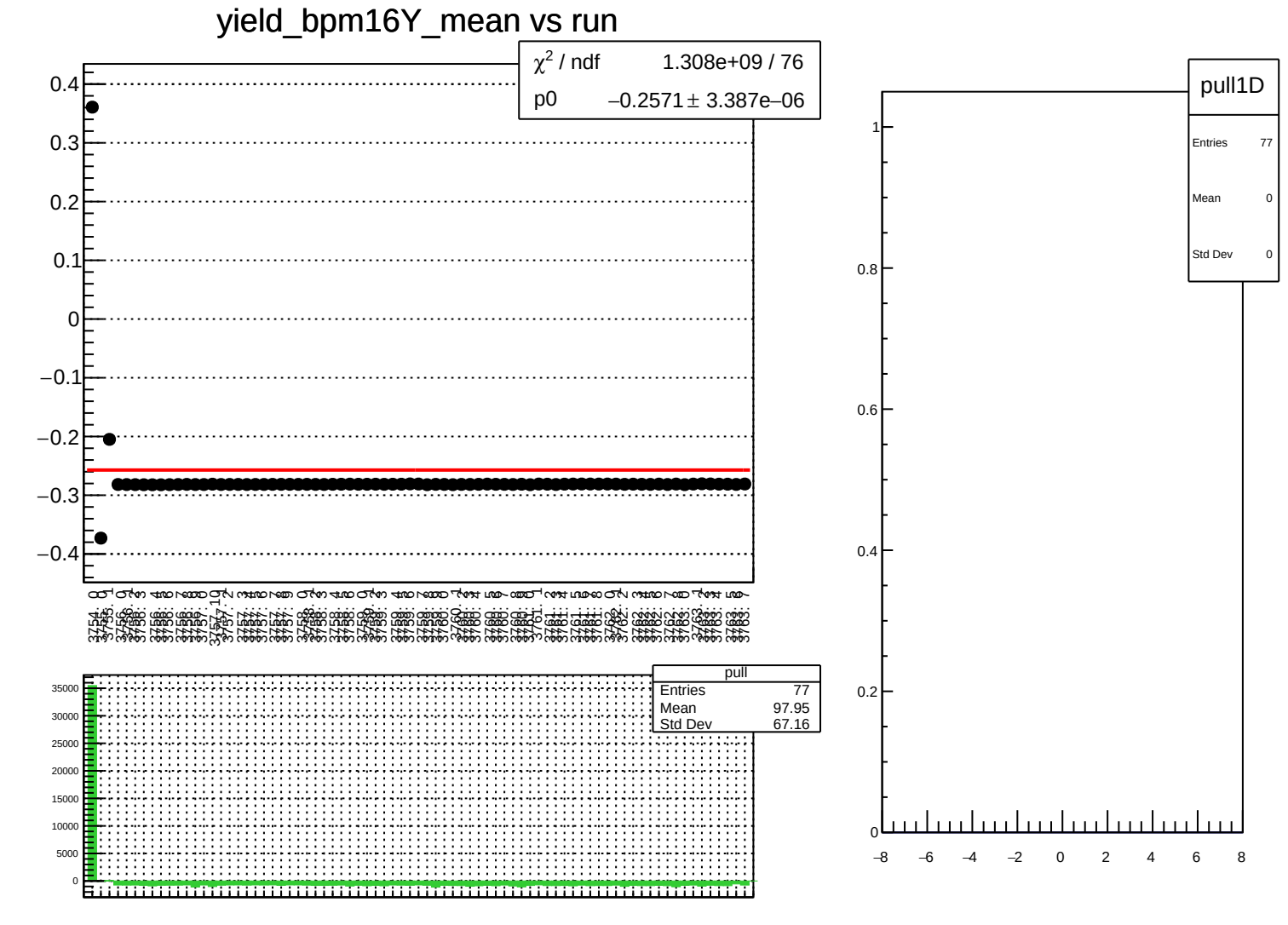

pull1D
Entries 77
Mean 1.132
Std Dev 0.4807

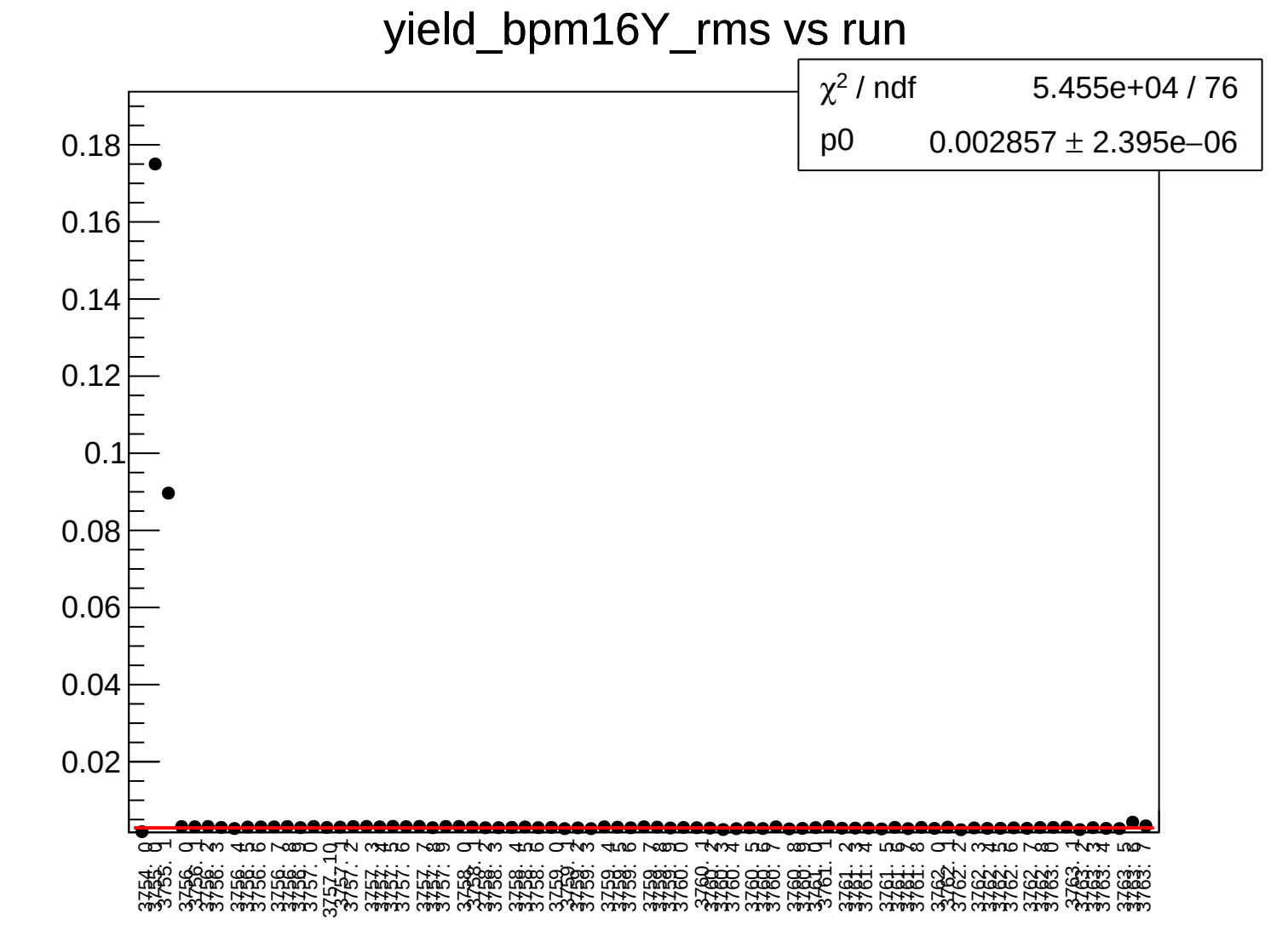

yield_bpm12Y_rms vs run
χ^2 / ndf 1.39e+05 / 76
p0 0.005969 ± 5.158e−06
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

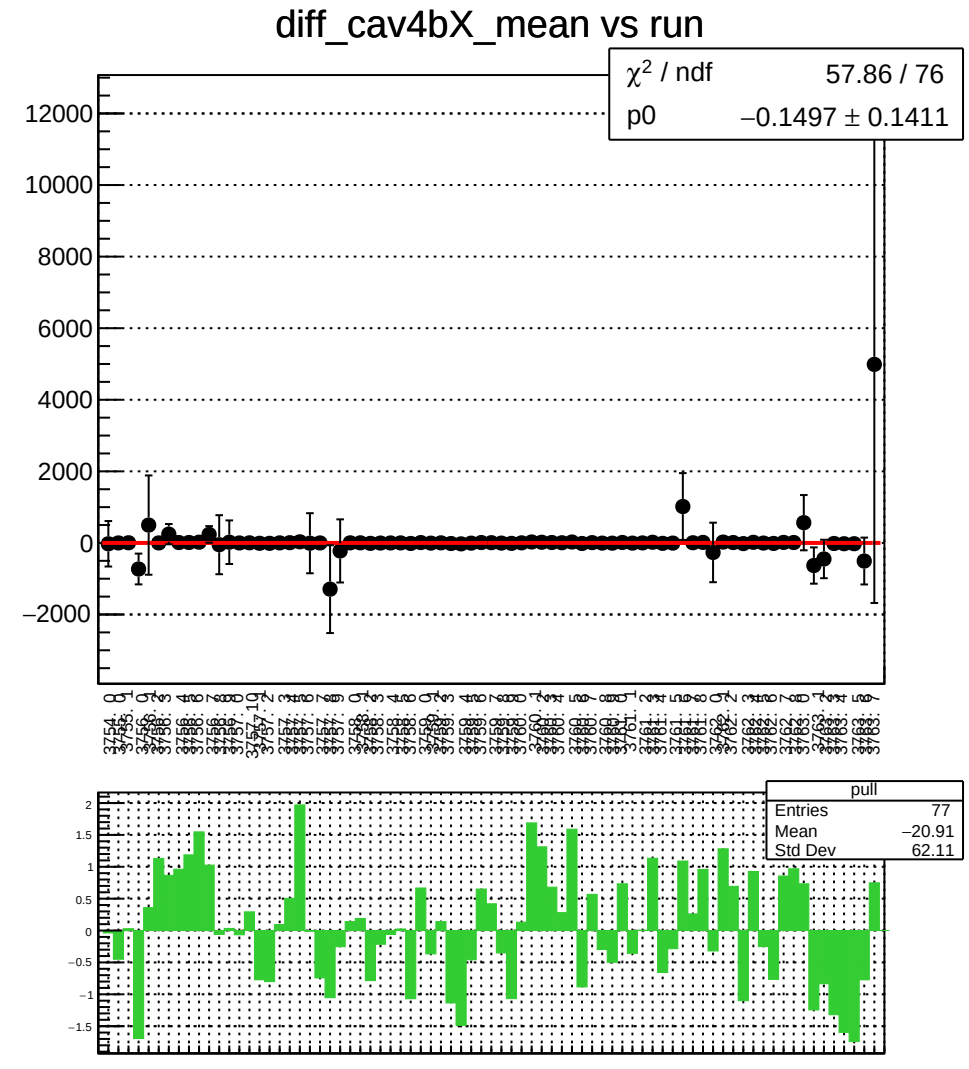

yield_bpm16X_mean vs run
χ² / ndf 1.301e+07 / 76
p0 −0.2686 ± 1.149e−05
pull
Entries 77
Mean −68.39
Std Dev 89.71

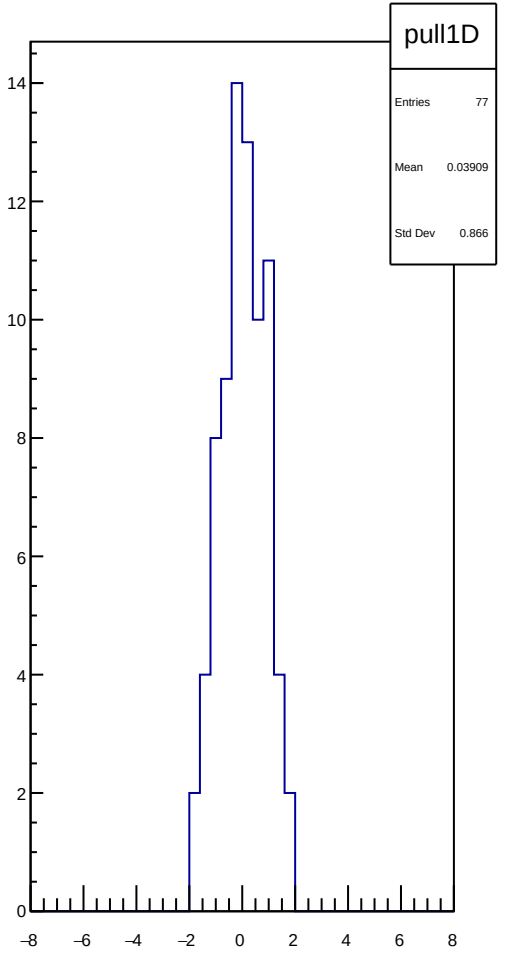

pull1D
Entries 77
Mean 3.903
Std Dev 0

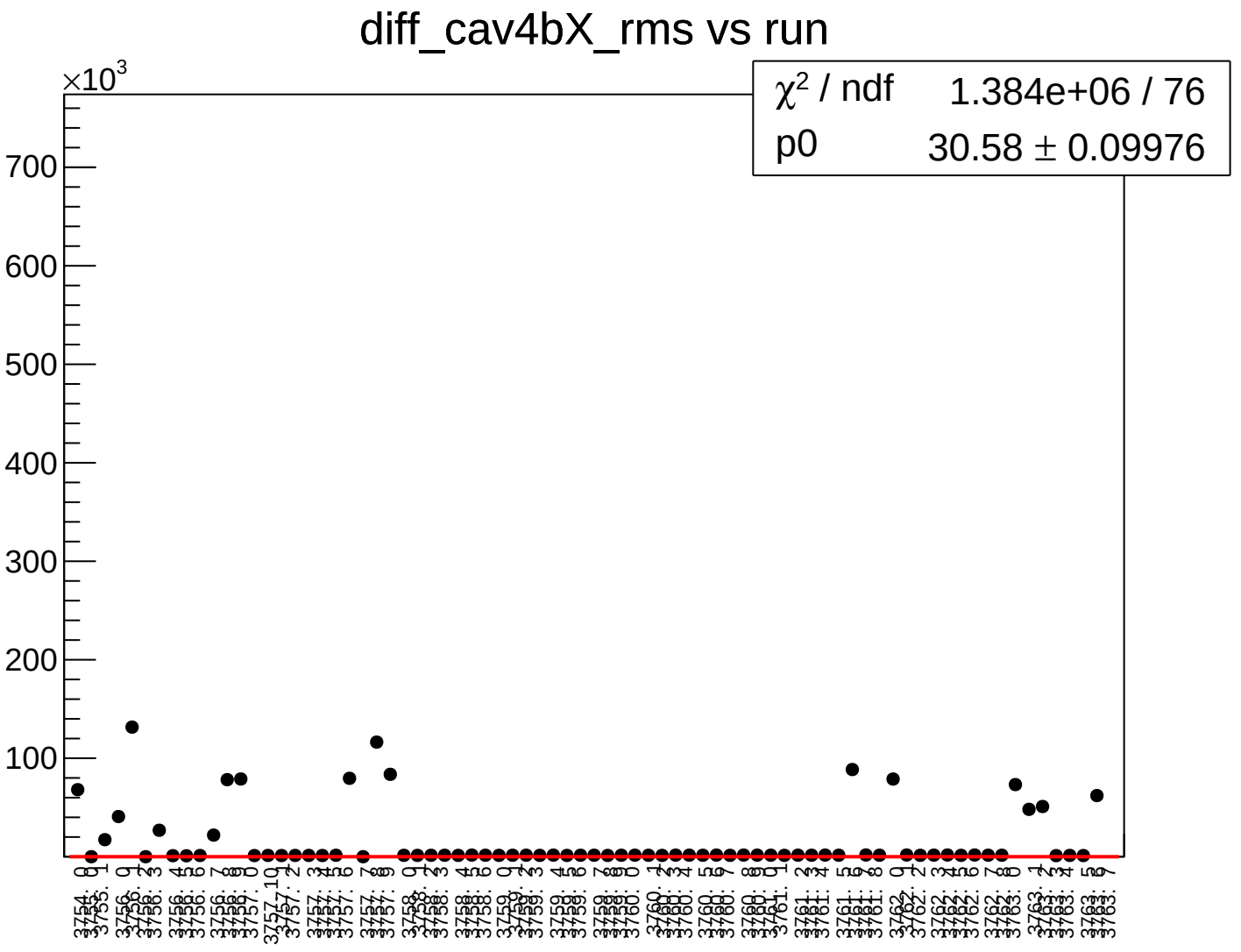

yield_bpm16X_rms vs run
χ² / ndf 3.677e+04 / 76
p0 0.009751 ± 8.122e−06
0.035
0.03
0.025
0.02
0.015
0.01

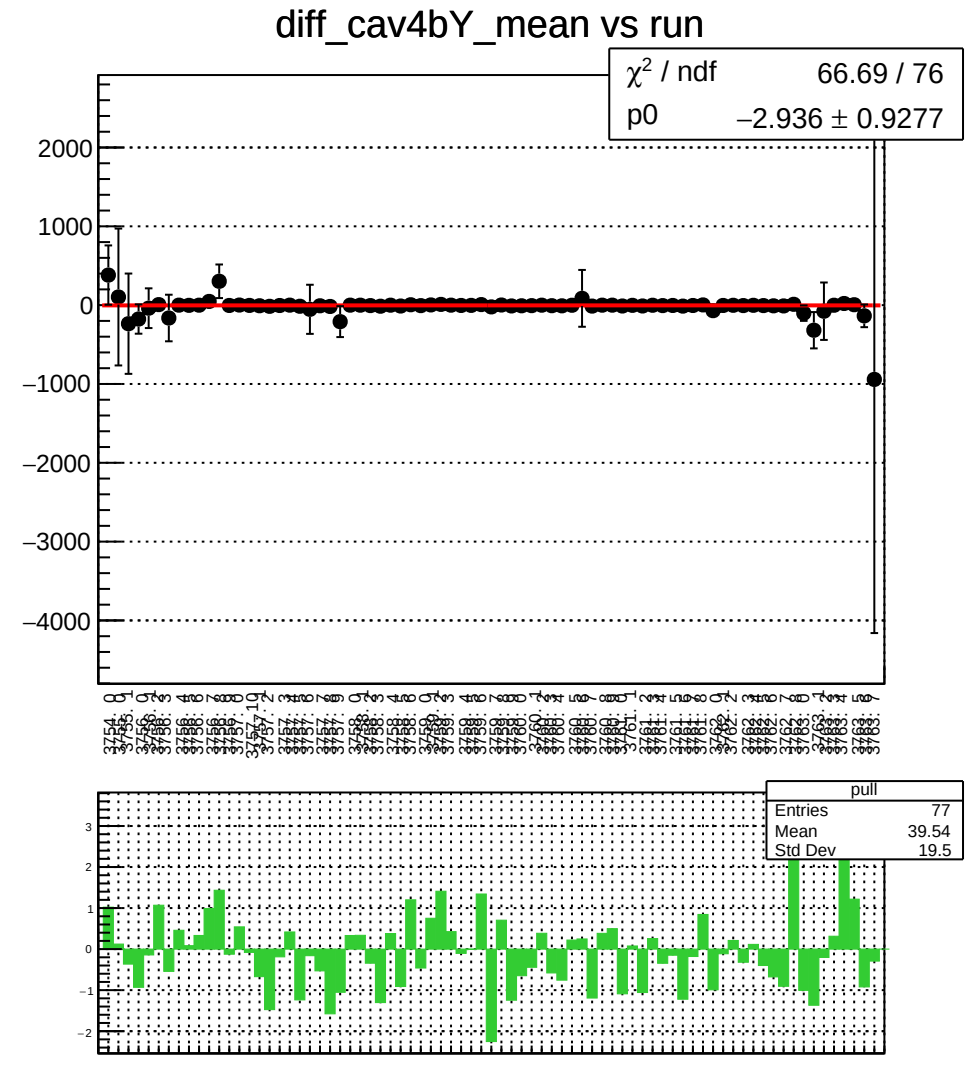

yield_bpm16Y_mean vs run
χ² / ndf 1.308e+09 / 76
p0 −0.2571 ± 3.387e−06
pull
Entries 77
Mean 97.95
Std Dev 67.16
pull1D
Entries 77
Mean 0
Std Dev 0

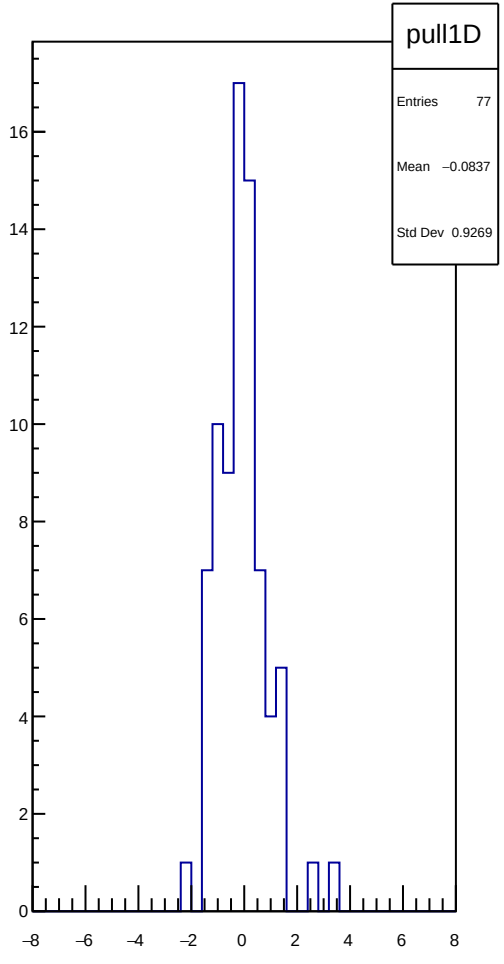

yield_bpm16Y_rms vs run
χ² / ndf 5.455e+04 / 76
p0 0.002857 ± 2.395e−06
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

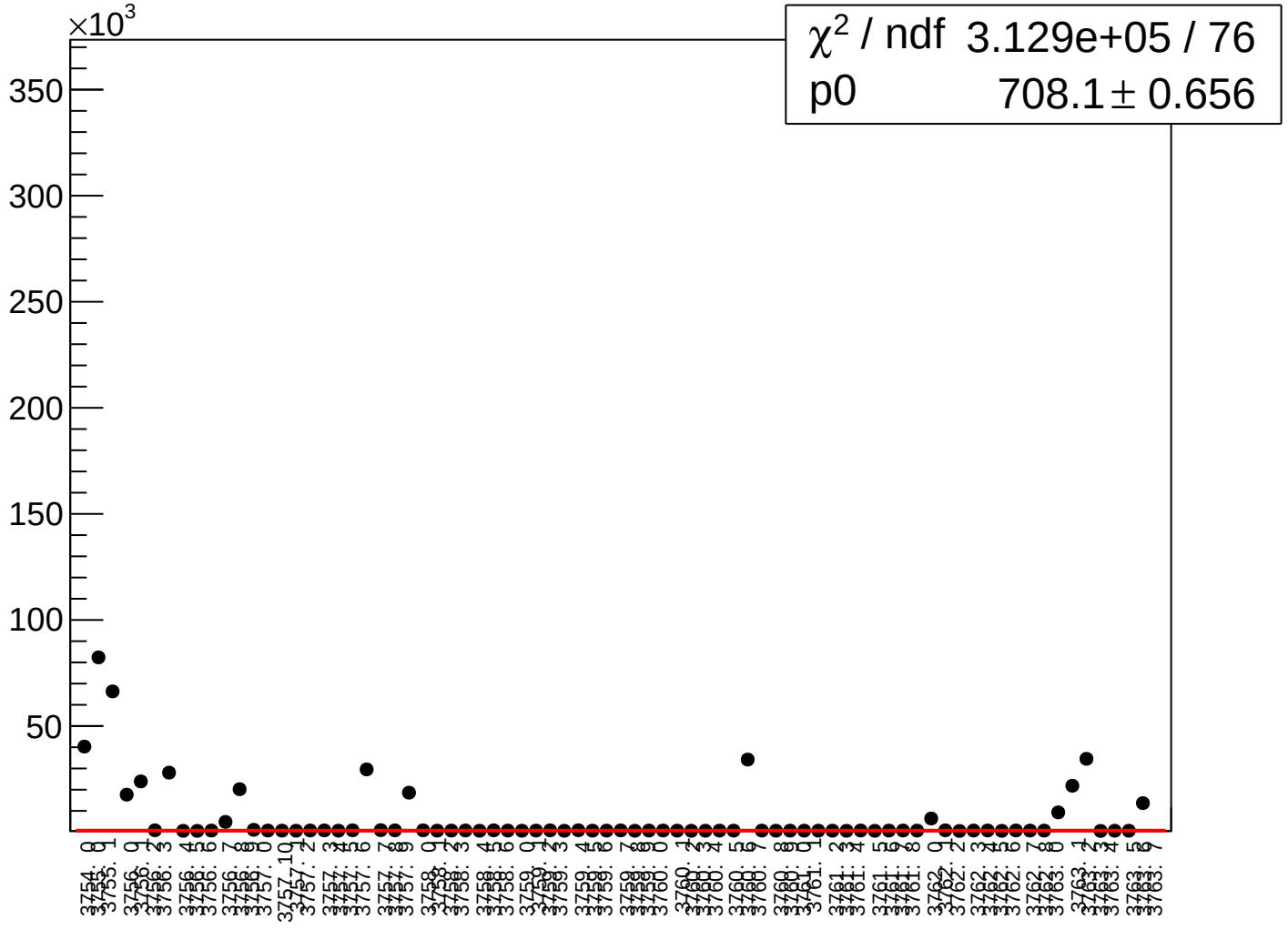

diff_cav4bX_mean vs run
χ² / ndf 57.86 / 76
p0 −0.1497 ± 0.1411
12000
10000
8000
6000
4000
2000
0
−2000
pull
Entries 77
Mean −20.91
Std Dev 62.11
2
1.5
1
0.5
0
−0.5
−1
−1.5

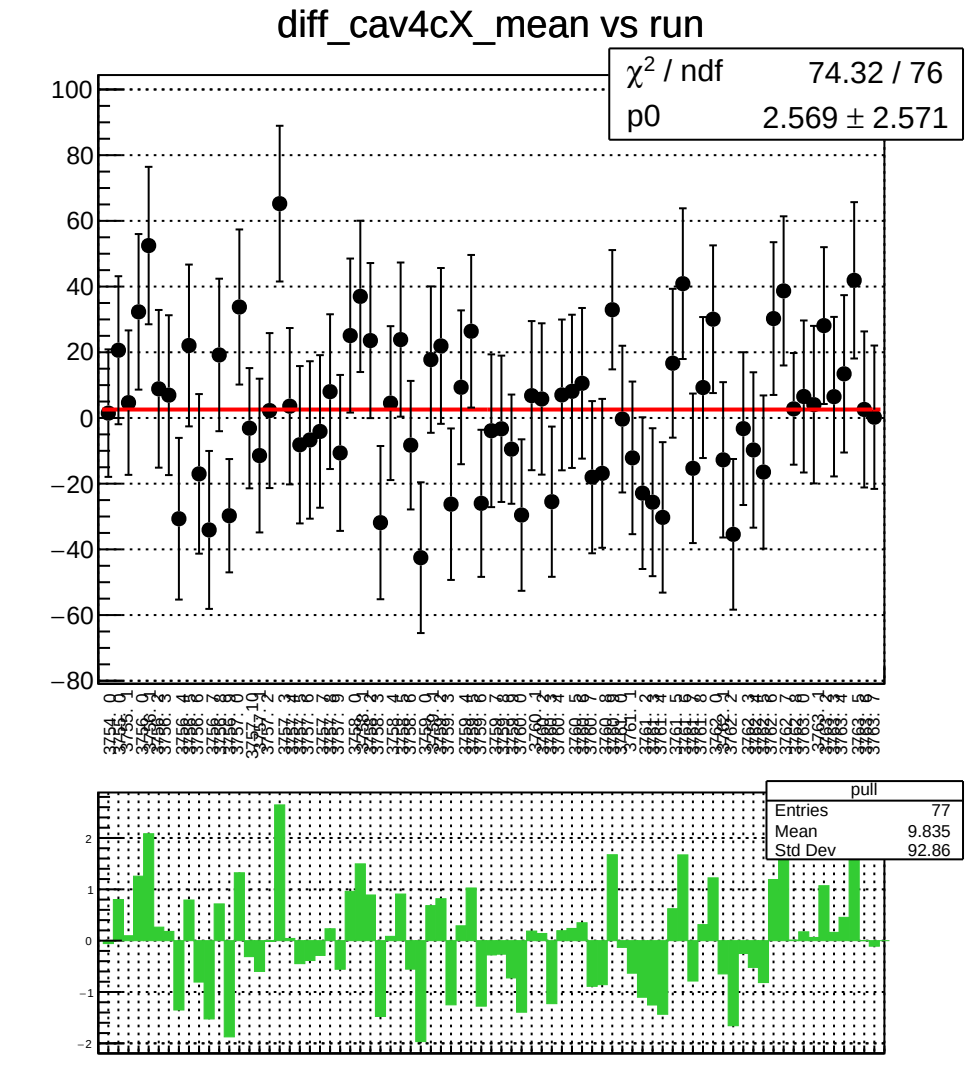

pull1D
Entries 77
Mean 0.03909
Std Dev 0.866
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

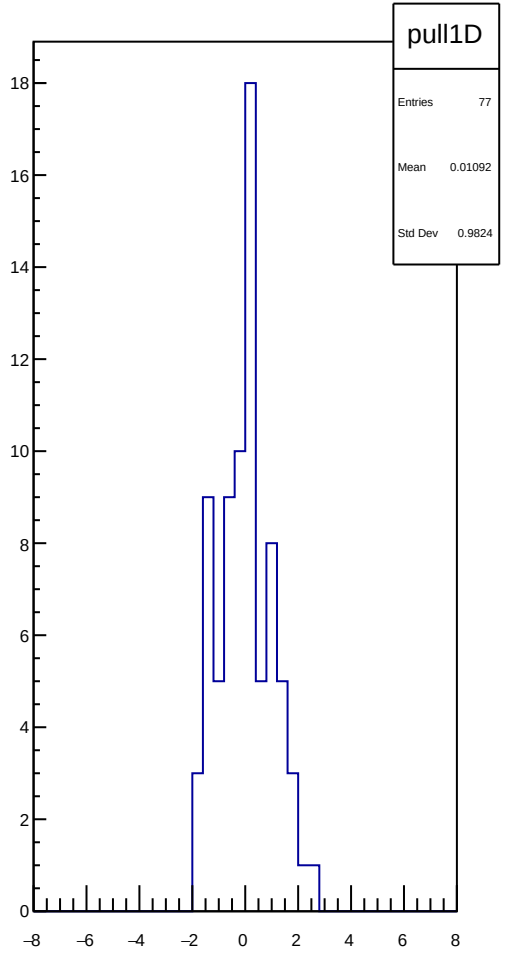

diff_cav4bX_rms vs run
×10^3
χ² / ndf 1.384e+06 / 76
p0 30.58 ± 0.09976
700
600
500
400
300
200
100

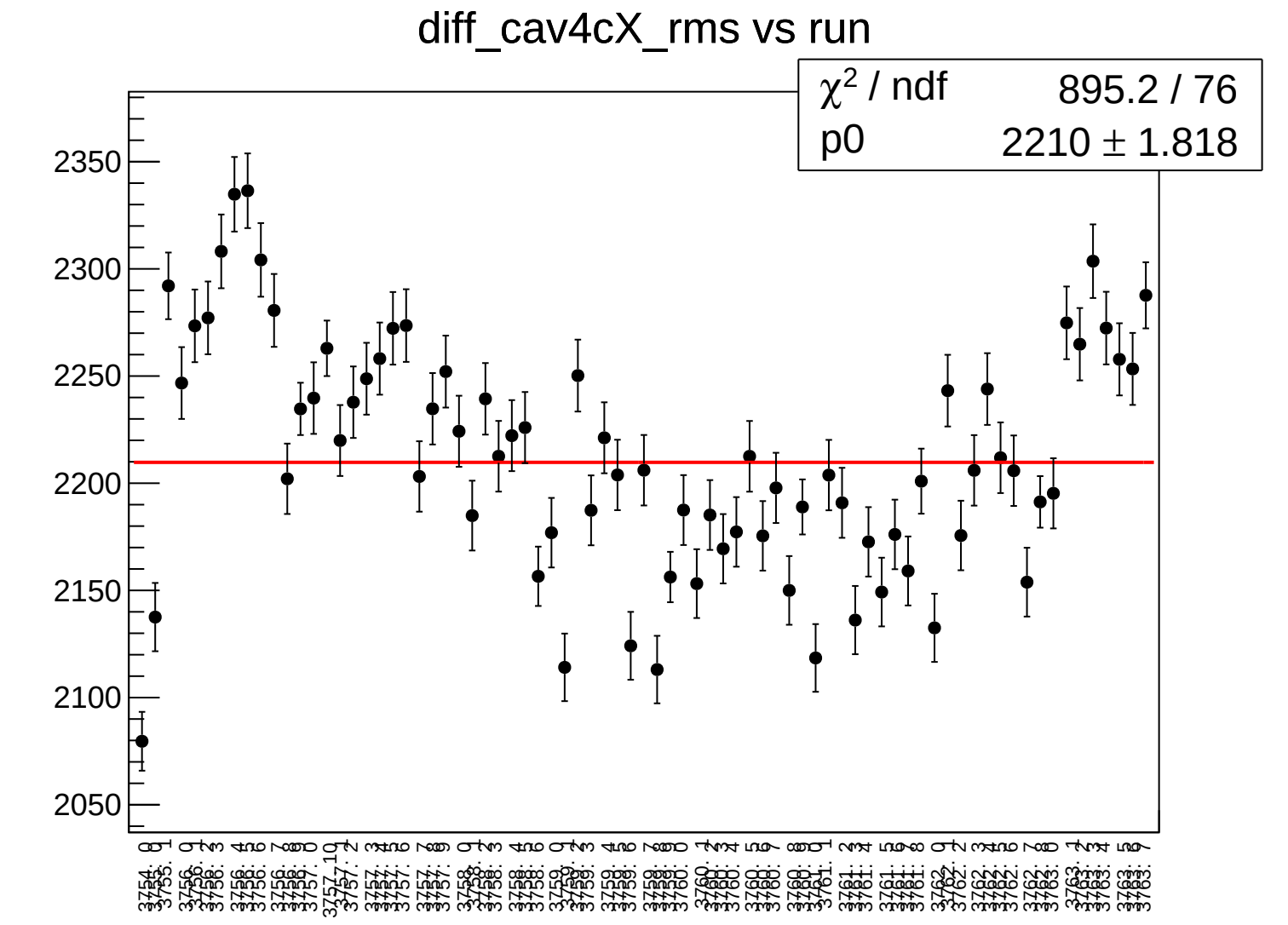

diff_cav4bY_mean vs run
χ² / ndf 66.69 / 76
p0 −2.936 ± 0.9277
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 77
Mean 39.54
Std Dev 19.5
3
2
1
0
−1
−2

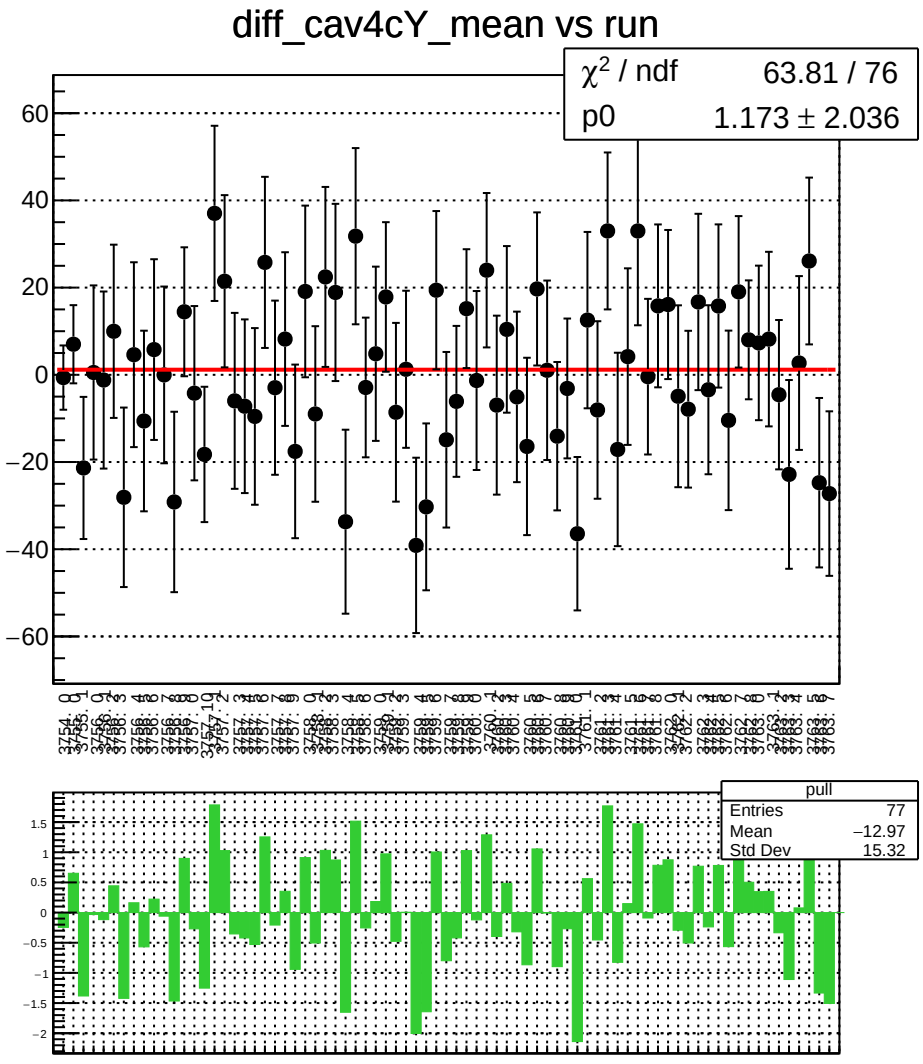

pull1D
Entries 77
Mean −0.0837
Std Dev 0.9269
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

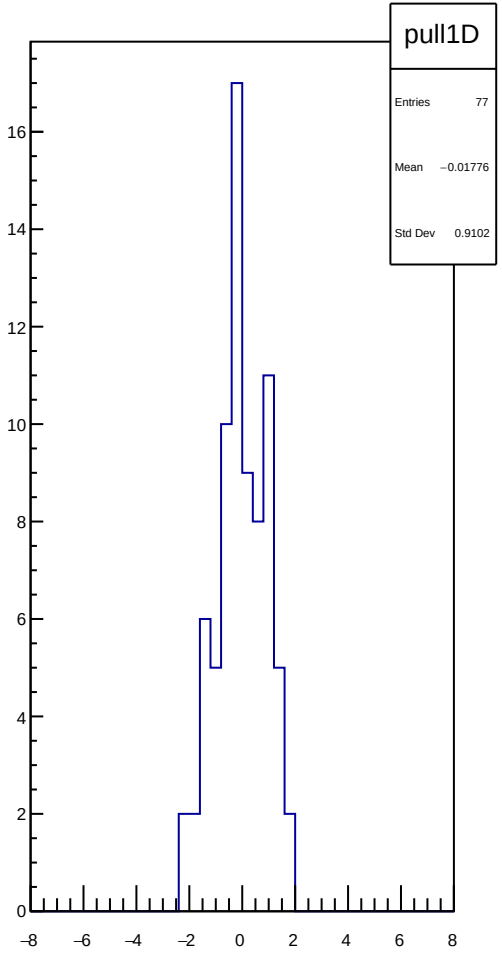

diff_cav4bY_rms vs run
×10^3
χ^2 / ndf 3.129e+05 / 76
p0 708.1 ± 0.656
350
300
250
200
150
100
50

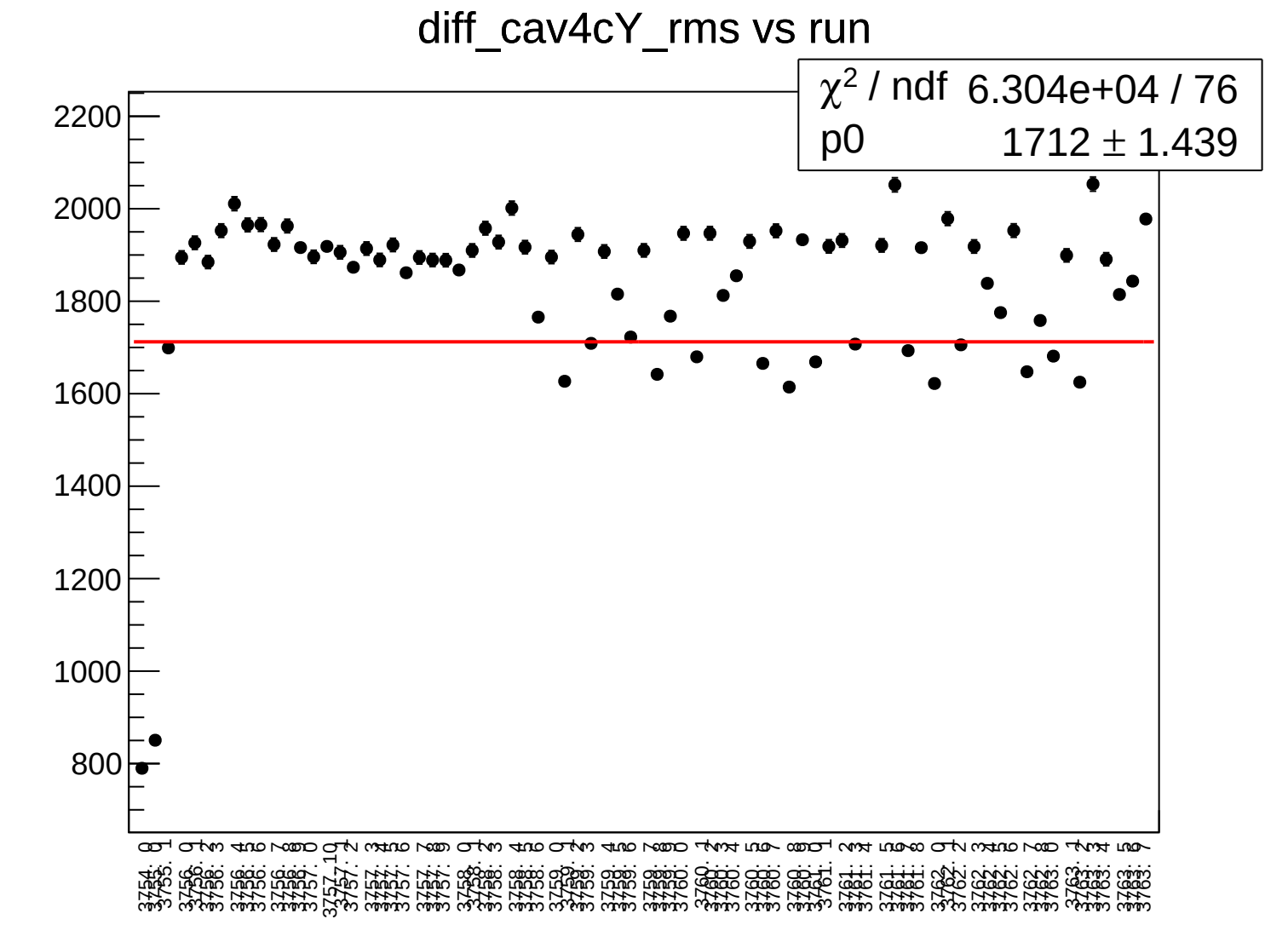

diff_cav4cX_mean vs run
χ^2 / ndf 74.32 / 76
p0 2.569 ± 2.571
pull
Entries 77
Mean 9.835
Std Dev 92.86

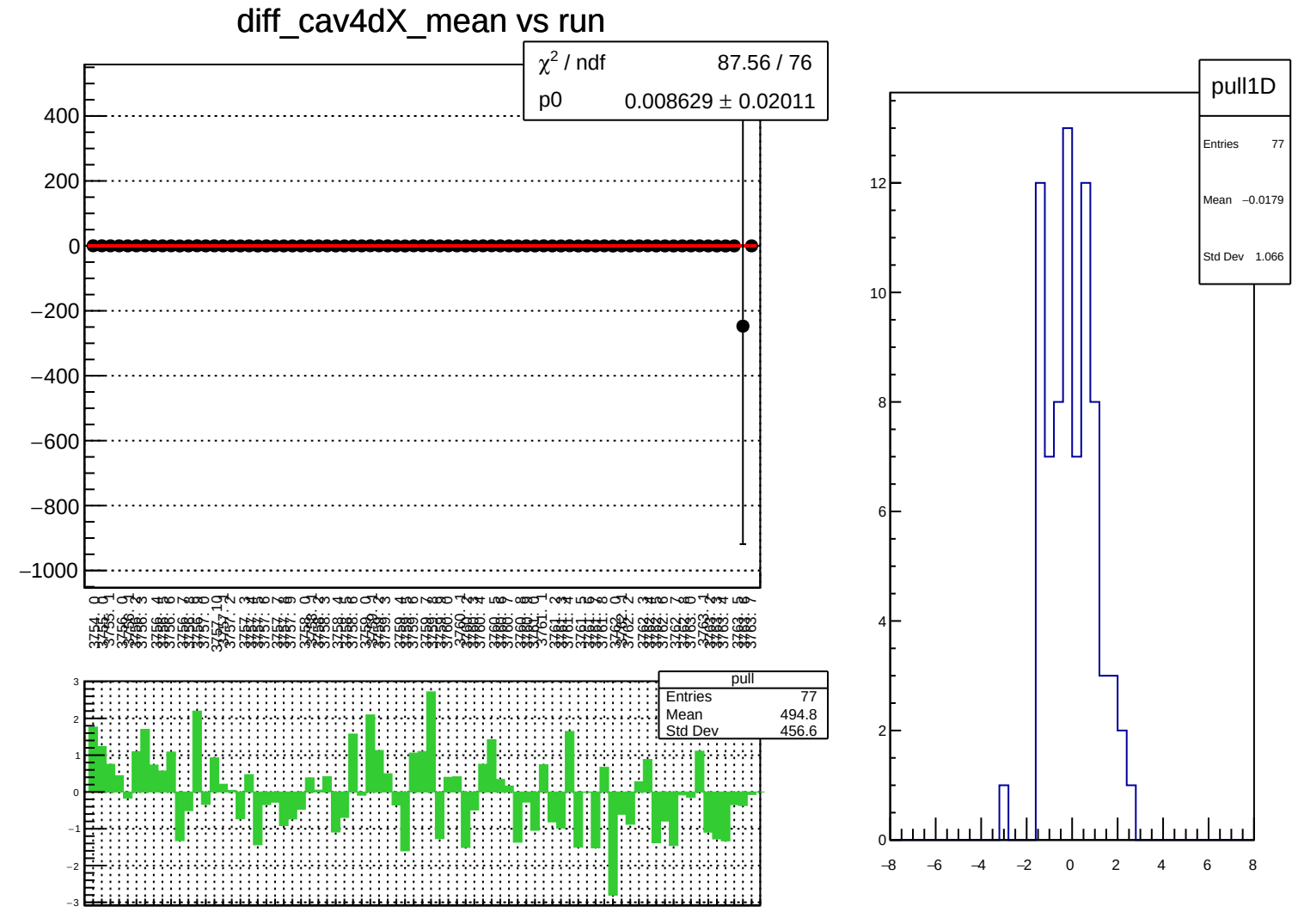

pull1D
Entries 77
Mean 0.01092
Std Dev 0.9824

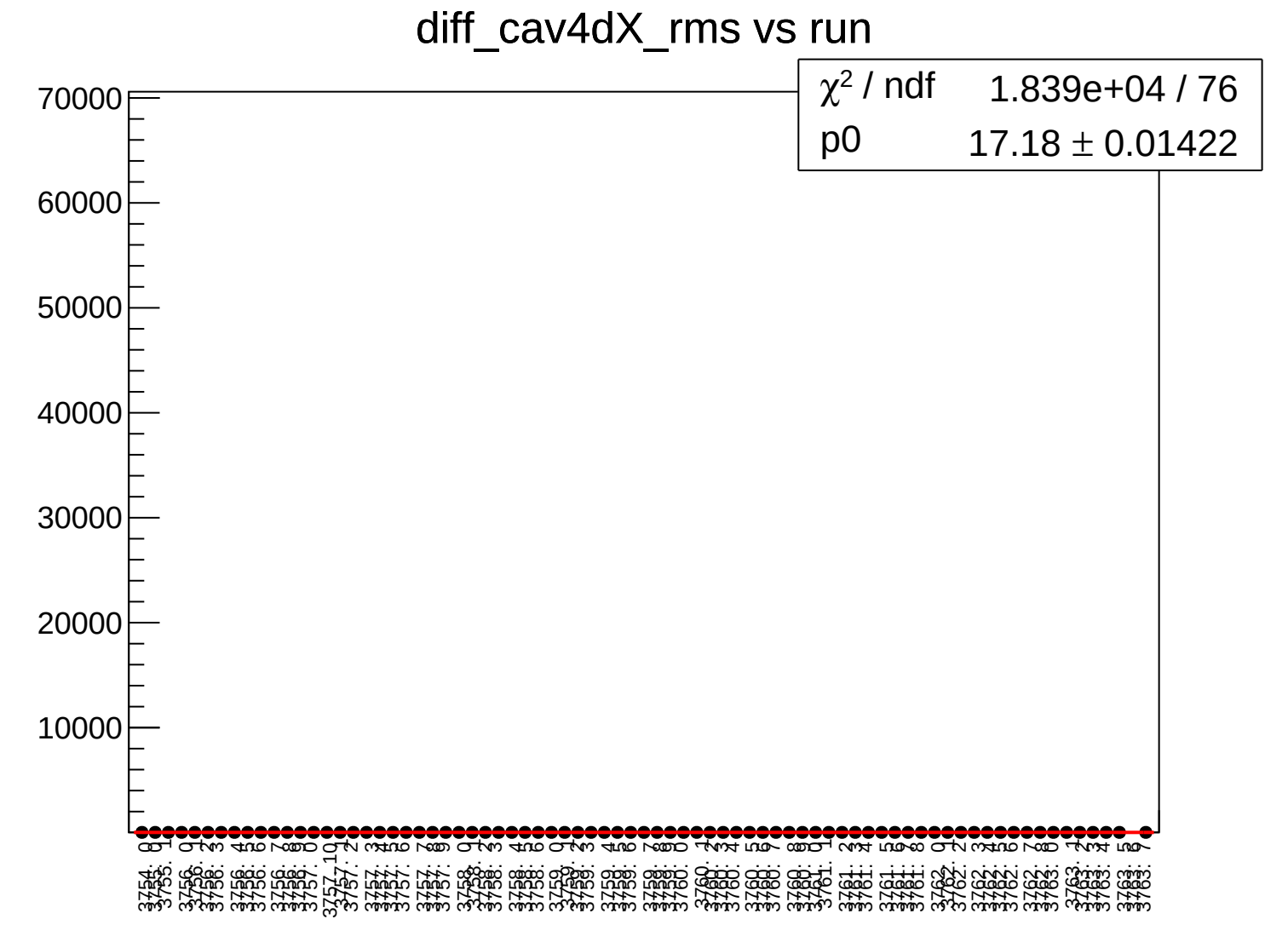

diff_cav4cX_rms vs run
χ^2 / ndf 895.2 / 76
p0 2210 ± 1.818
2350
2300
2250
2200
2150
2100
2050

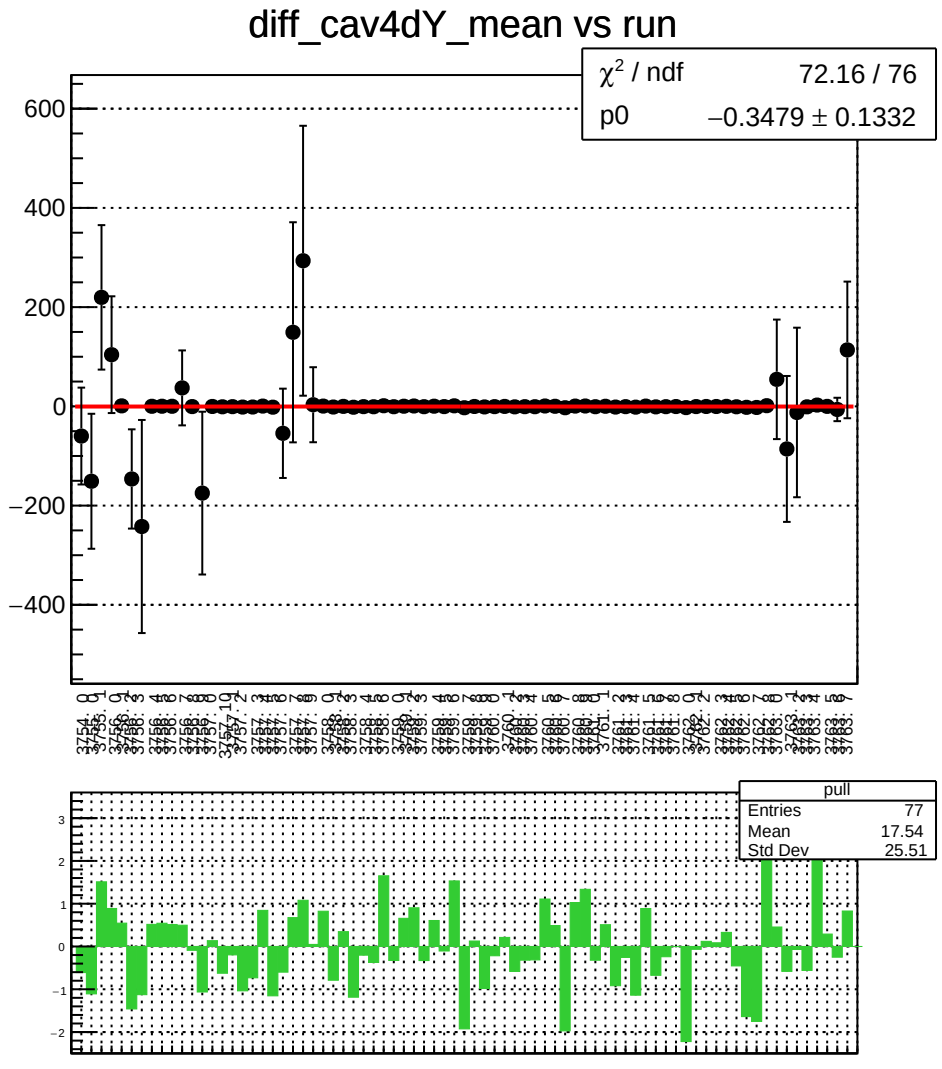

diff_cav4cY_mean vs run
χ^2 / ndf 63.81 / 76
p0 1.173 ± 2.036
pull
Entries 77
Mean −12.97
Std Dev 15.32

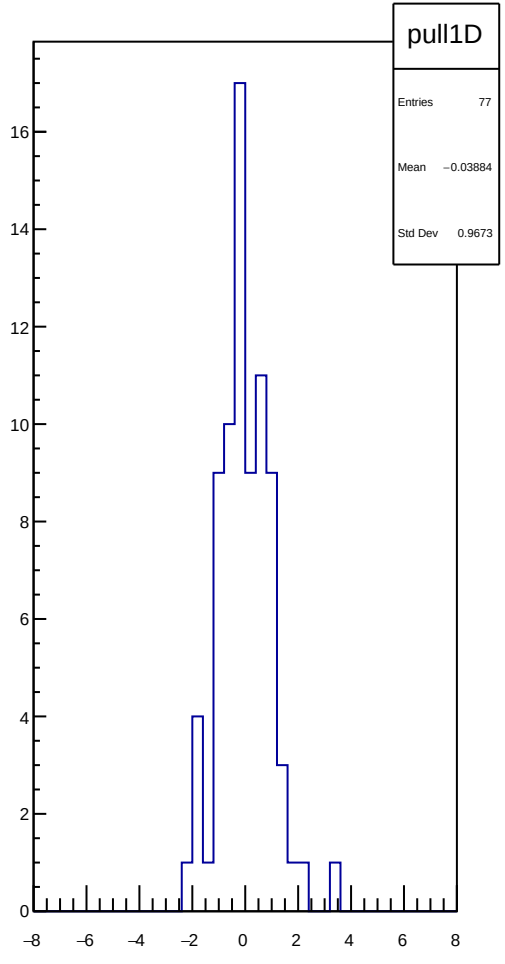

pull1D
Entries 77
Mean −0.01776
Std Dev 0.9102

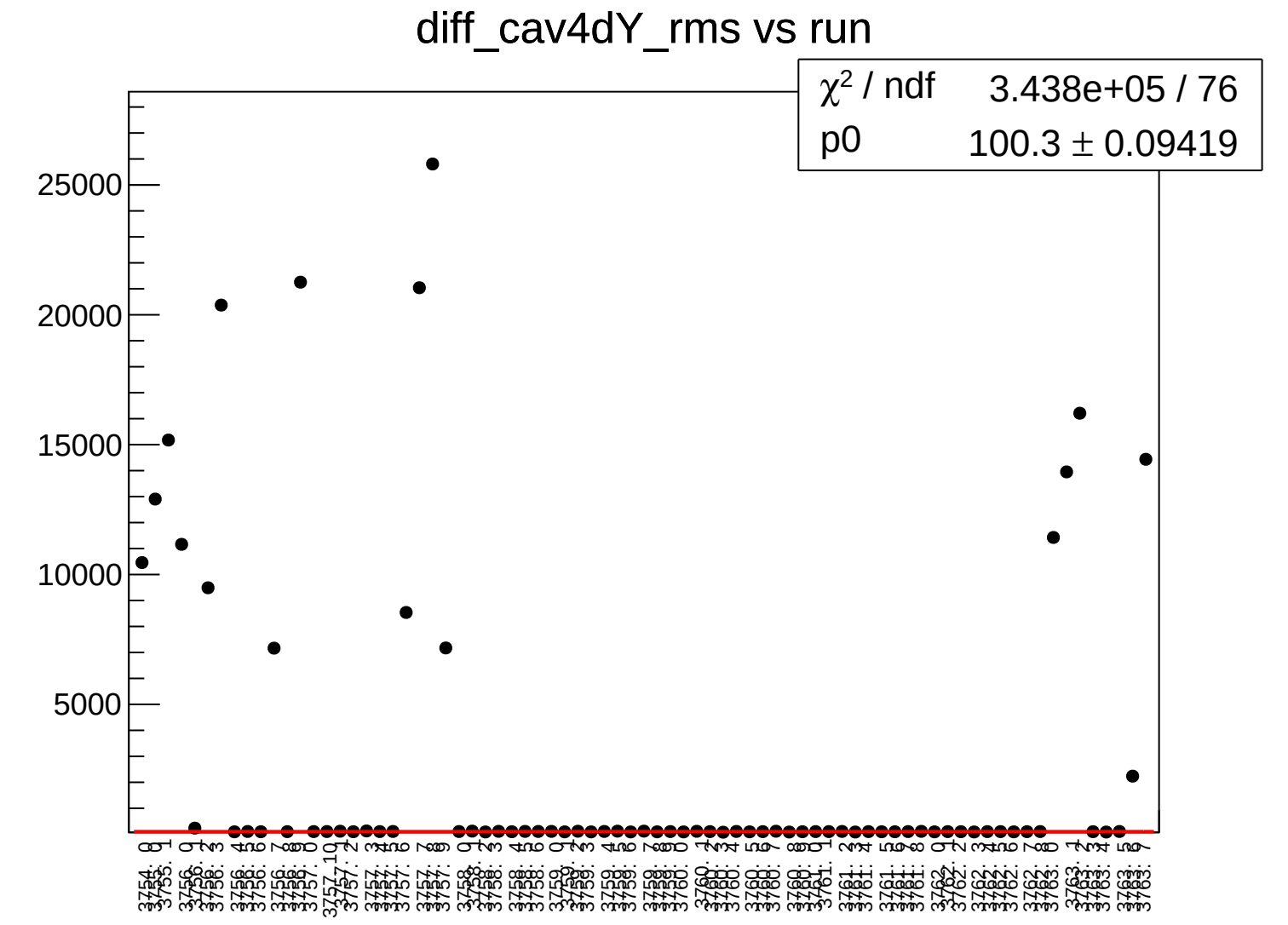

diff_cav4cY_rms vs run
χ² / ndf 6.304e+04 / 76
p0 1712 ± 1.439
2200
2000
1800
1600
1400
1200
1000
800

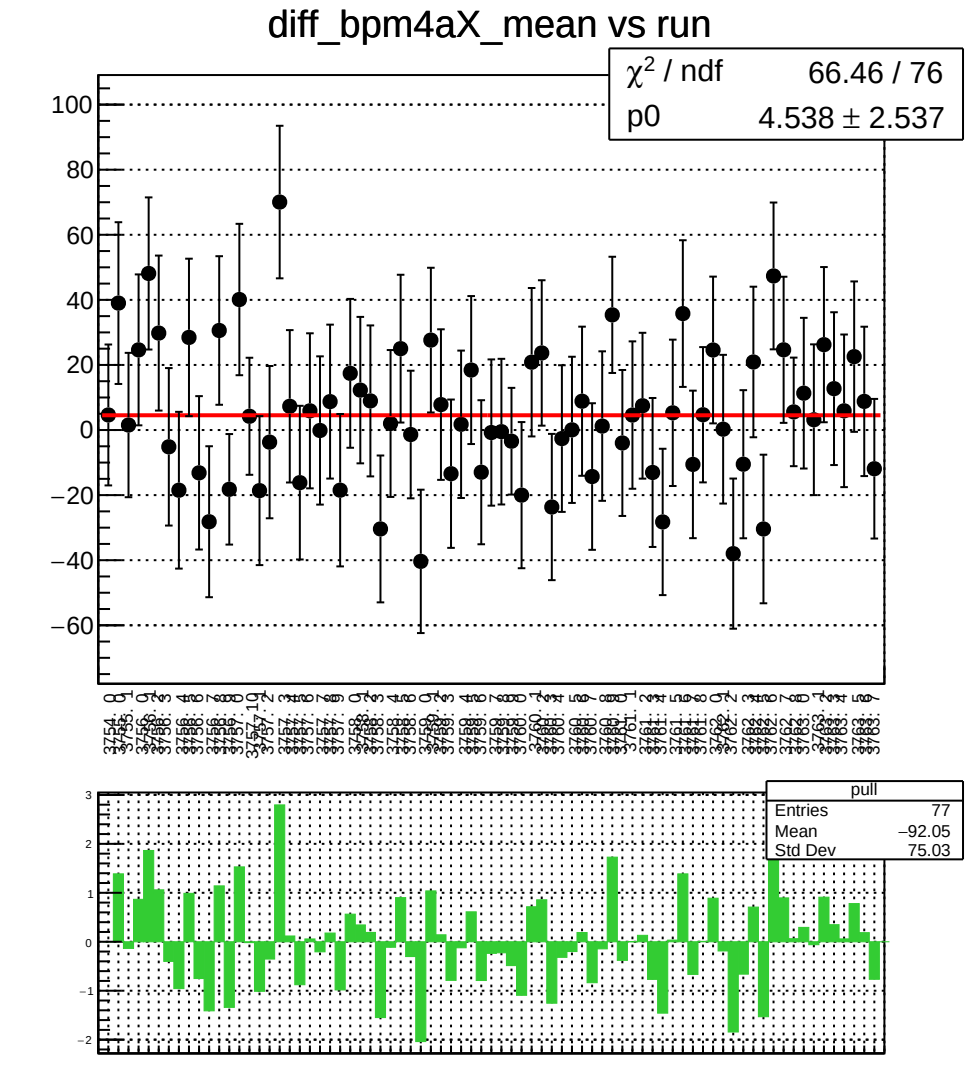

diff_cav4dX_mean vs run
χ² / ndf 87.56 / 76
p0 0.008629 ± 0.02011
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 77
Mean 494.8
Std Dev 456.6
pull1D
Entries 77
Mean −0.0179
Std Dev 1.066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

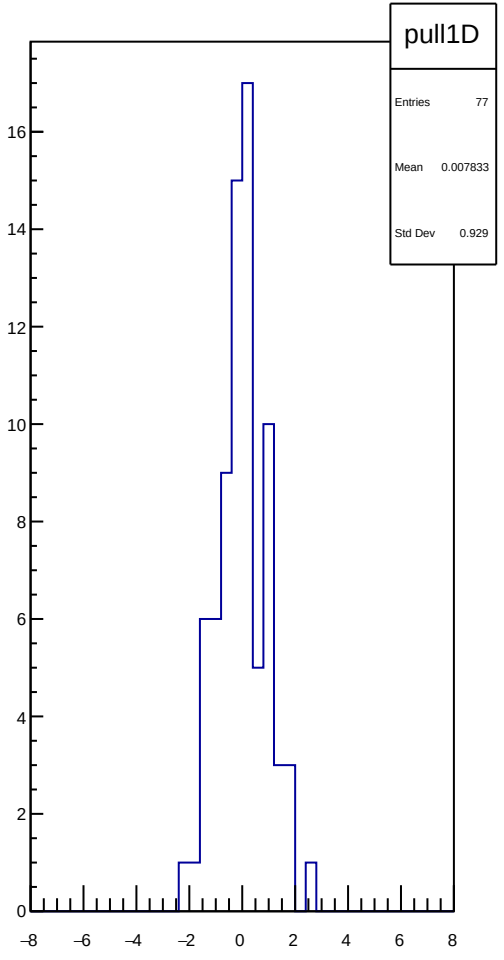

diff_cav4dX_rms vs run
χ^2 / ndf 1.839e+04 / 76
p0 17.18 ± 0.01422
70000
60000
50000
40000
30000
20000
10000

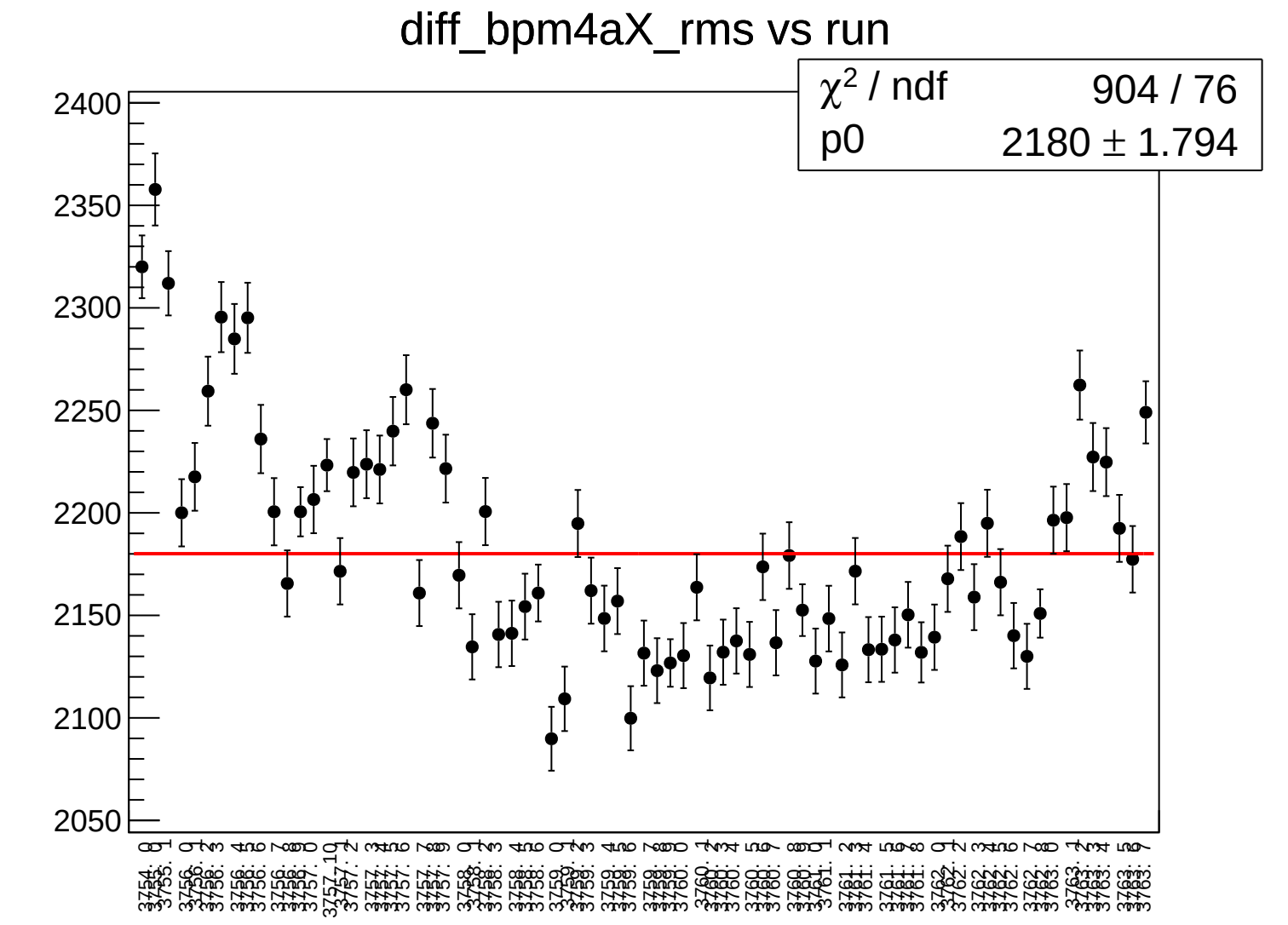

diff_cav4dY_mean vs run
χ² / ndf 72.16 / 76
p0 −0.3479 ± 0.1332
600
400
200
0
−200
−400
pull
Entries 77
Mean 17.54
Std Dev 25.51
3
2
1
0
−1
−2

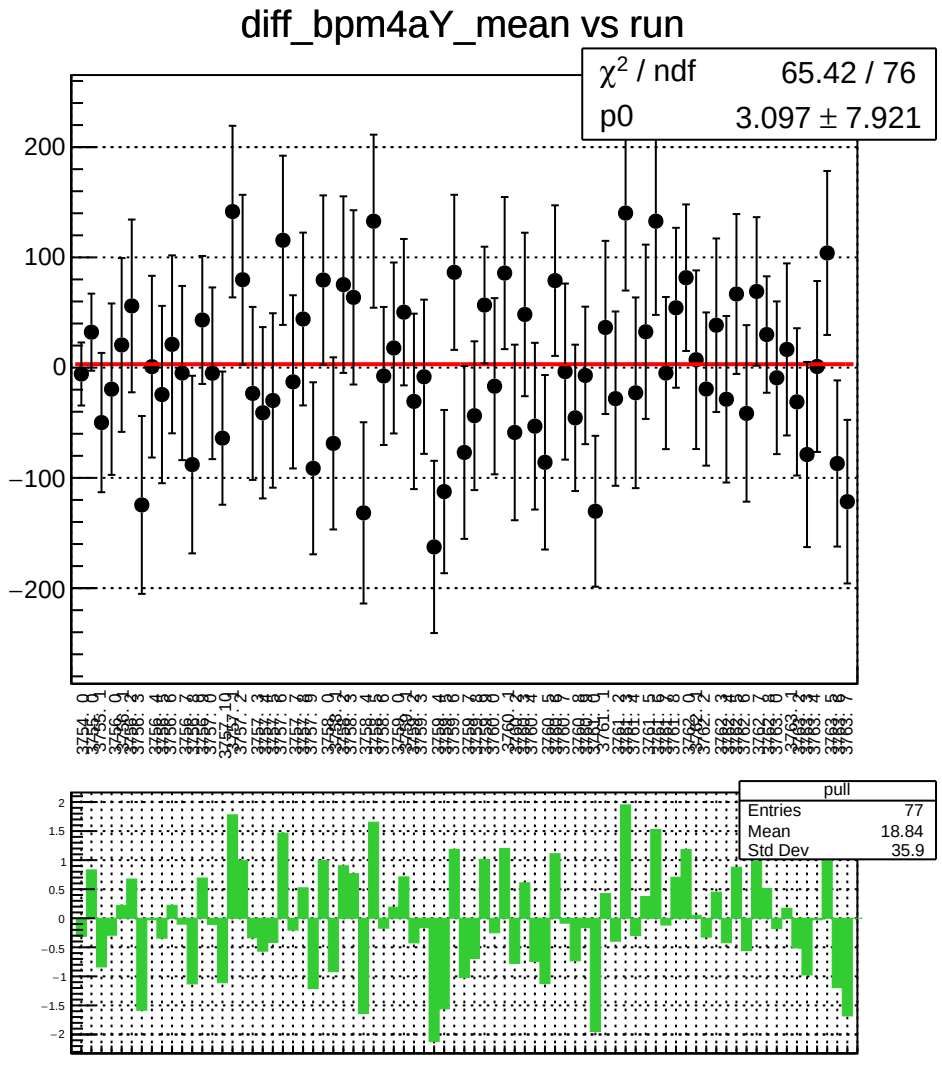

pull1D
Entries 77
Mean −0.03884
Std Dev 0.9673
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

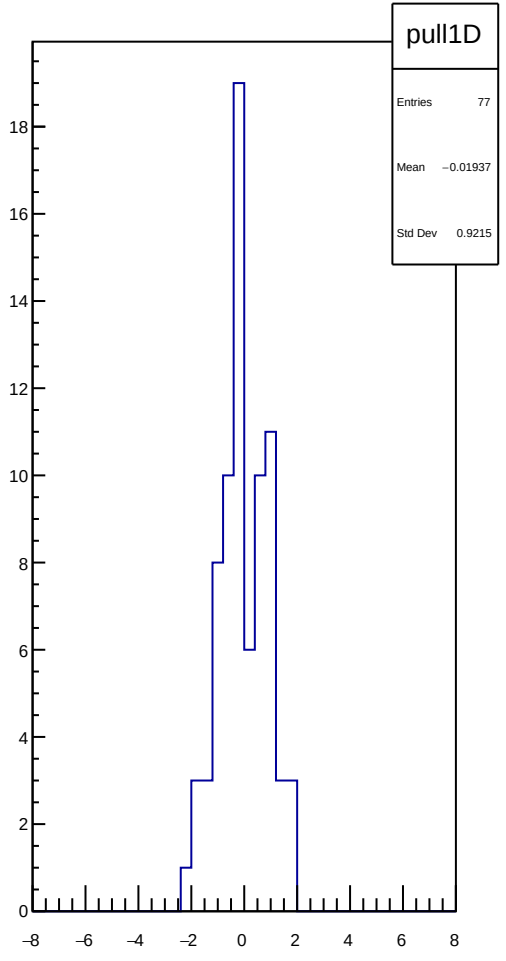

diff_cav4dY_rms vs run
χ² / ndf 3.438e+05 / 76
p0 100.3 ± 0.09419
25000
20000
15000
10000
5000

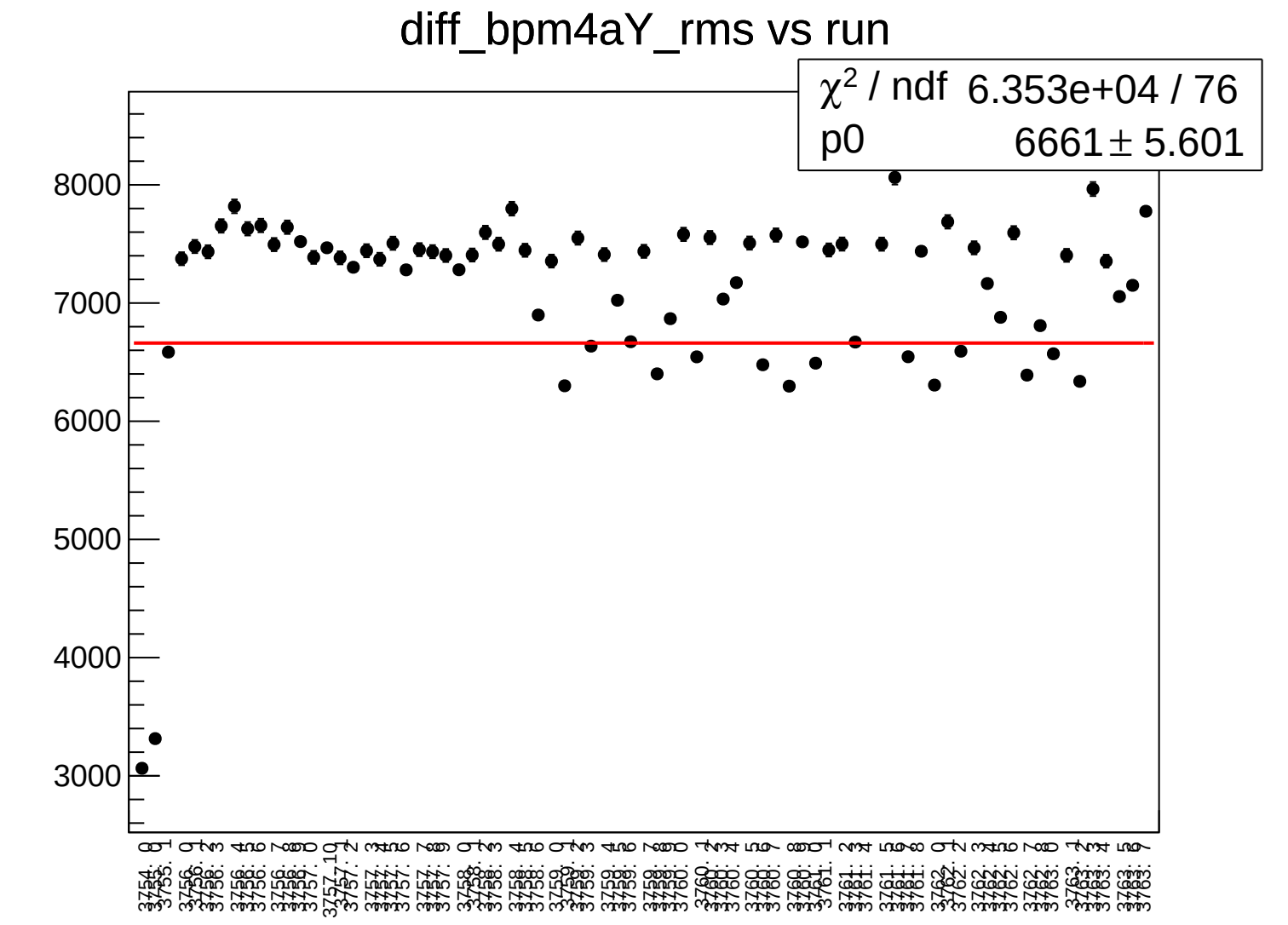

diff_bpm4aX_mean vs run
χ² / ndf 66.46 / 76
p0 4.538 ± 2.537
pull
Entries 77
Mean −92.05
Std Dev 75.03

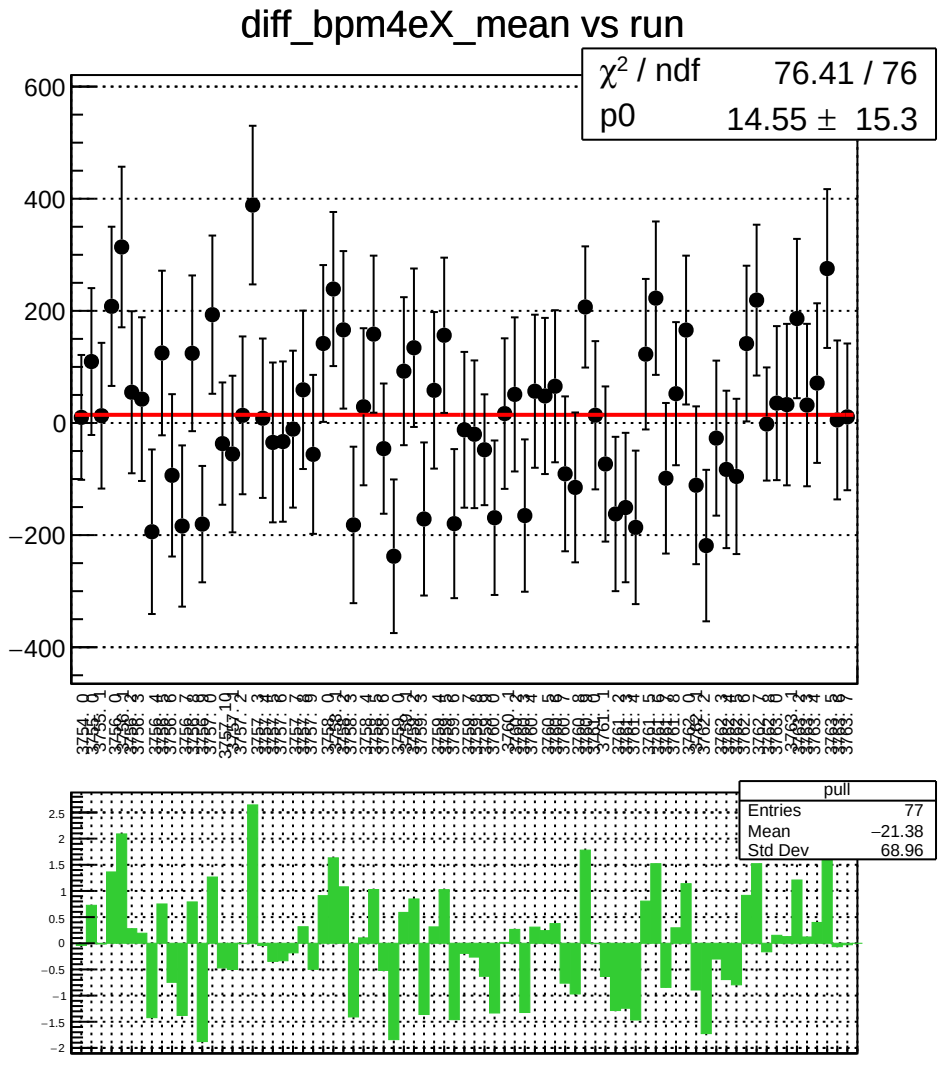

pull1D
Entries 77
Mean 0.007833
Std Dev 0.929

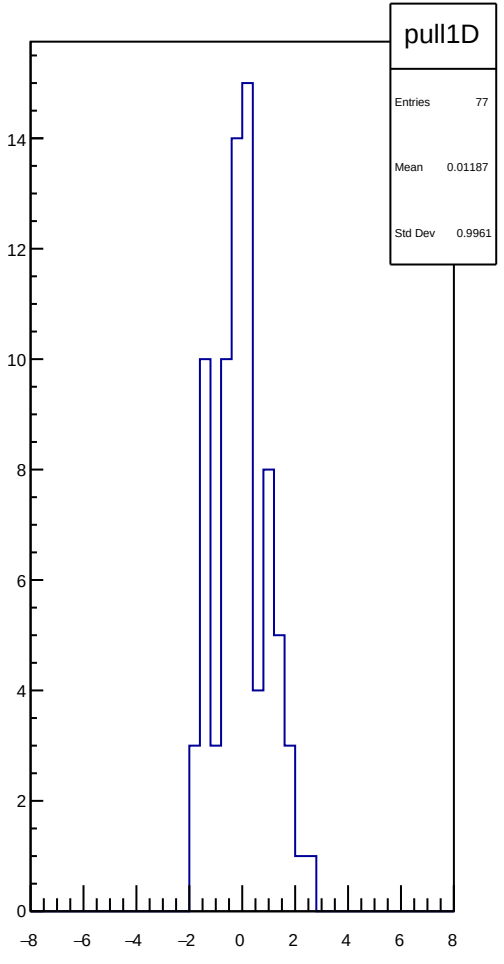

diff_bpm4aX_rms vs run
χ² / ndf 904 / 76
p0 2180 ± 1.794
2400
2350
2300
2250
2200
2150
2100
2050

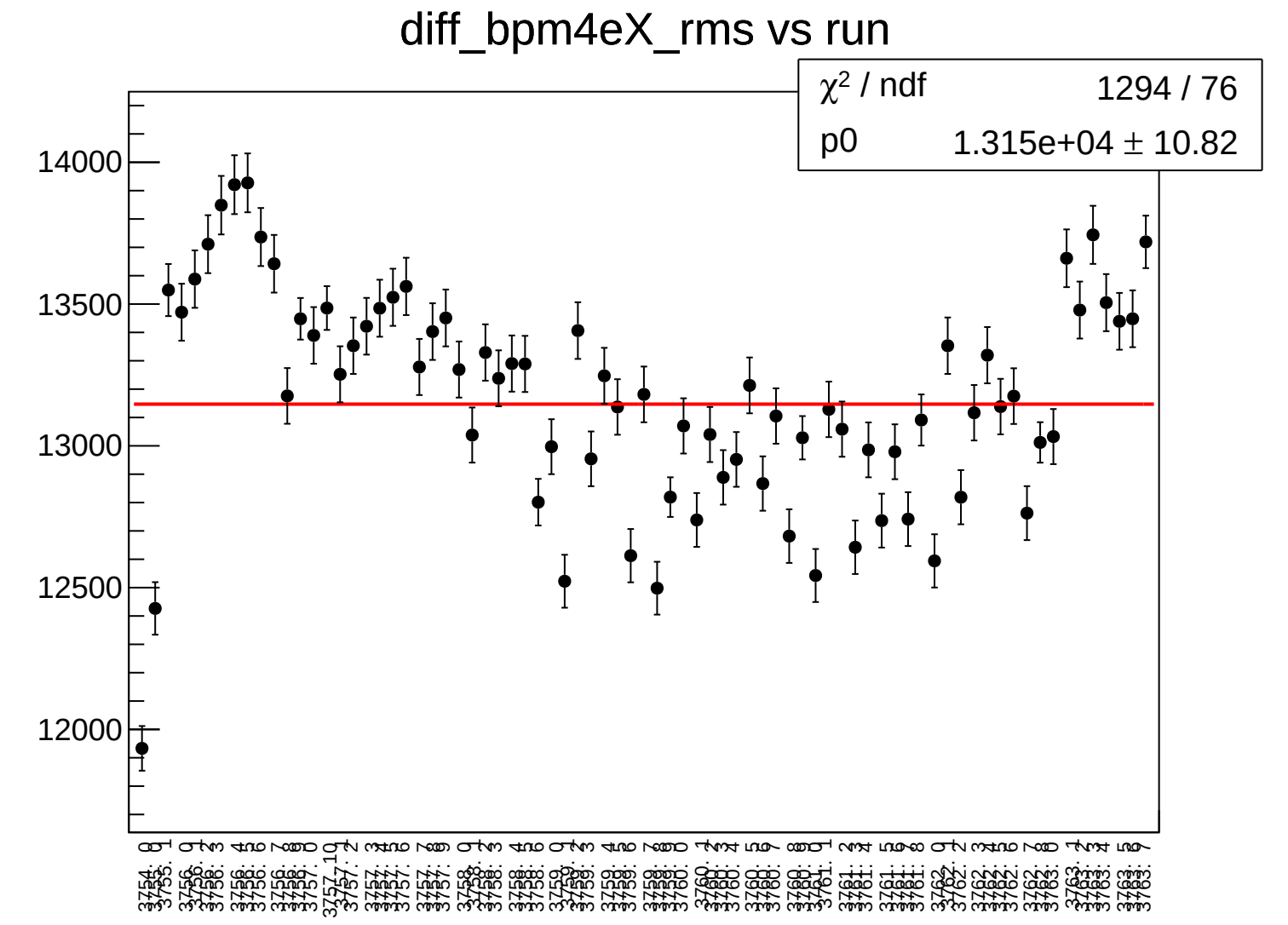

diff_bpm4aY_mean vs run
χ² / ndf 65.42 / 76
p0 3.097 ± 7.921
200
100
0
−100
−200
pull
Entries 77
Mean 18.84
Std Dev 35.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

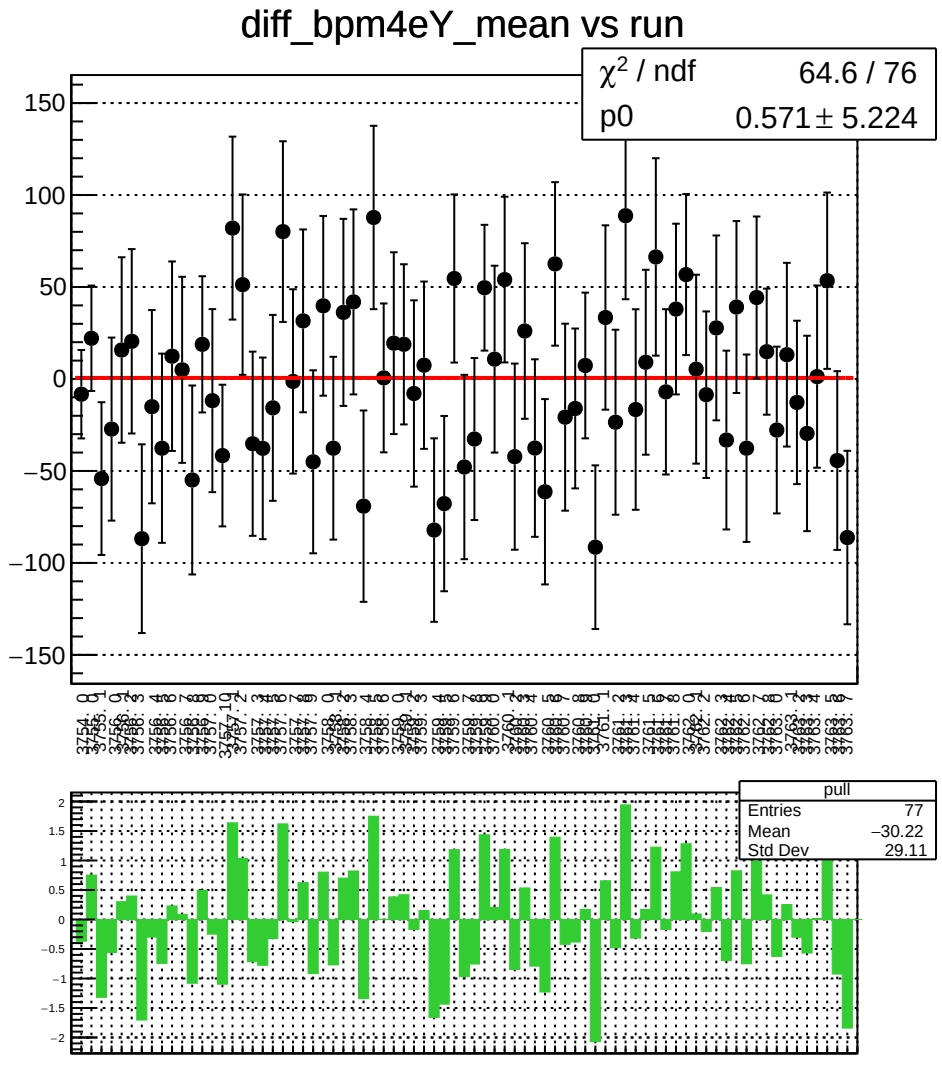

pull1D
Entries 77
Mean −0.01937
Std Dev 0.9215
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

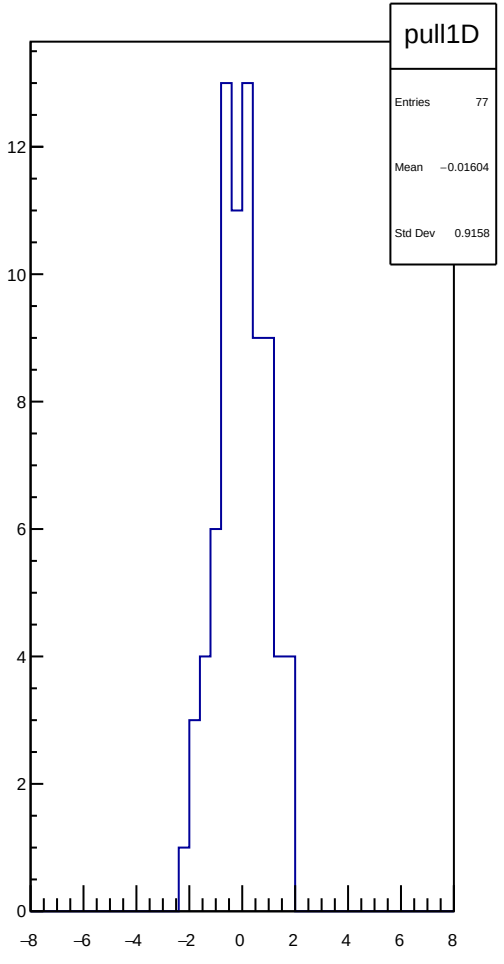

diff_bpm4aY_rms vs run
χ² / ndf 6.353e+04 / 76
p0 6661 ± 5.601
8000
7000
6000
5000
4000
3000

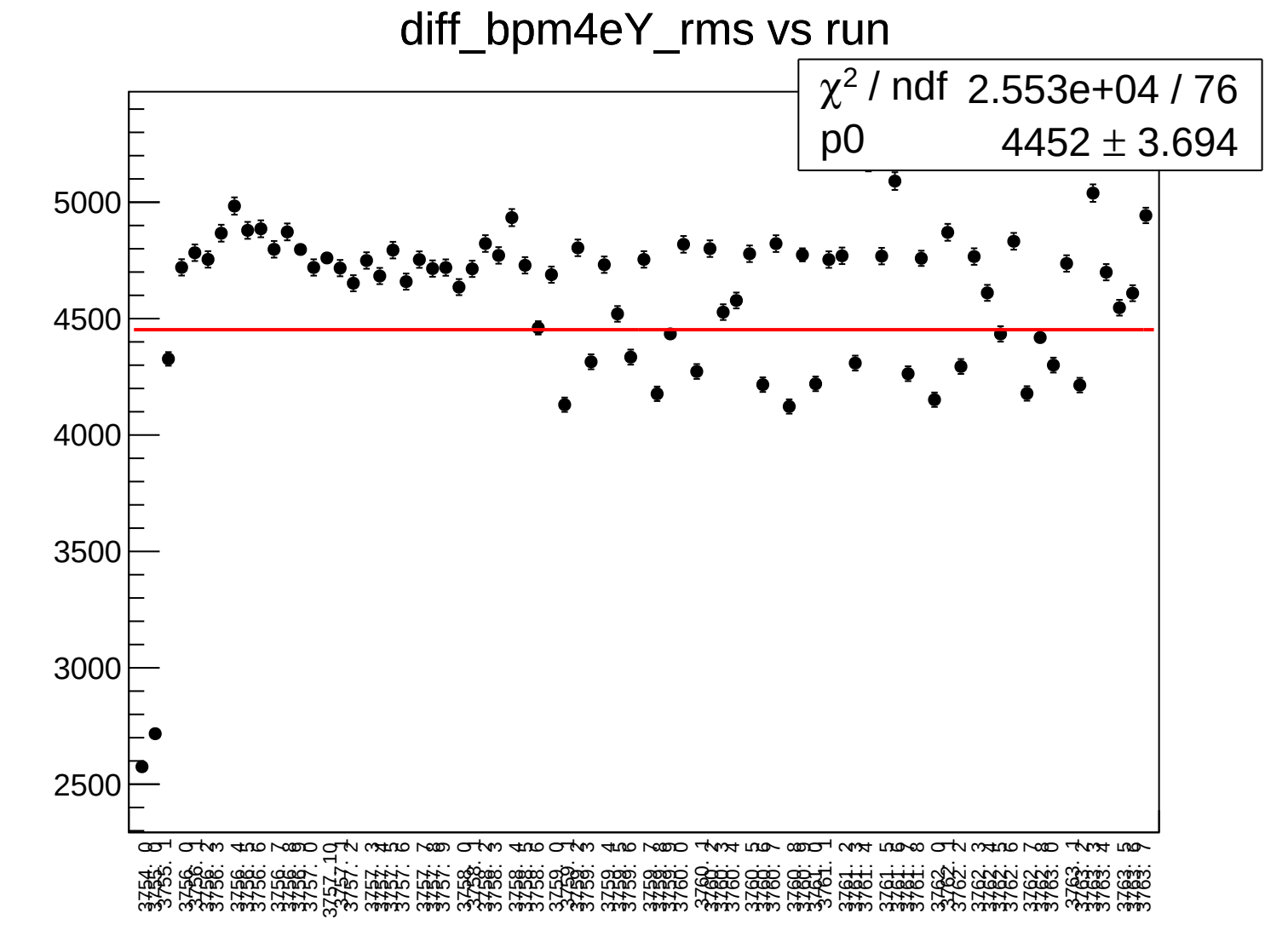

diff_bpm4eX_mean vs run
χ² / ndf 76.41 / 76
p0 14.55 ± 15.3
pull
Entries 77
Mean −21.38
Std Dev 68.96

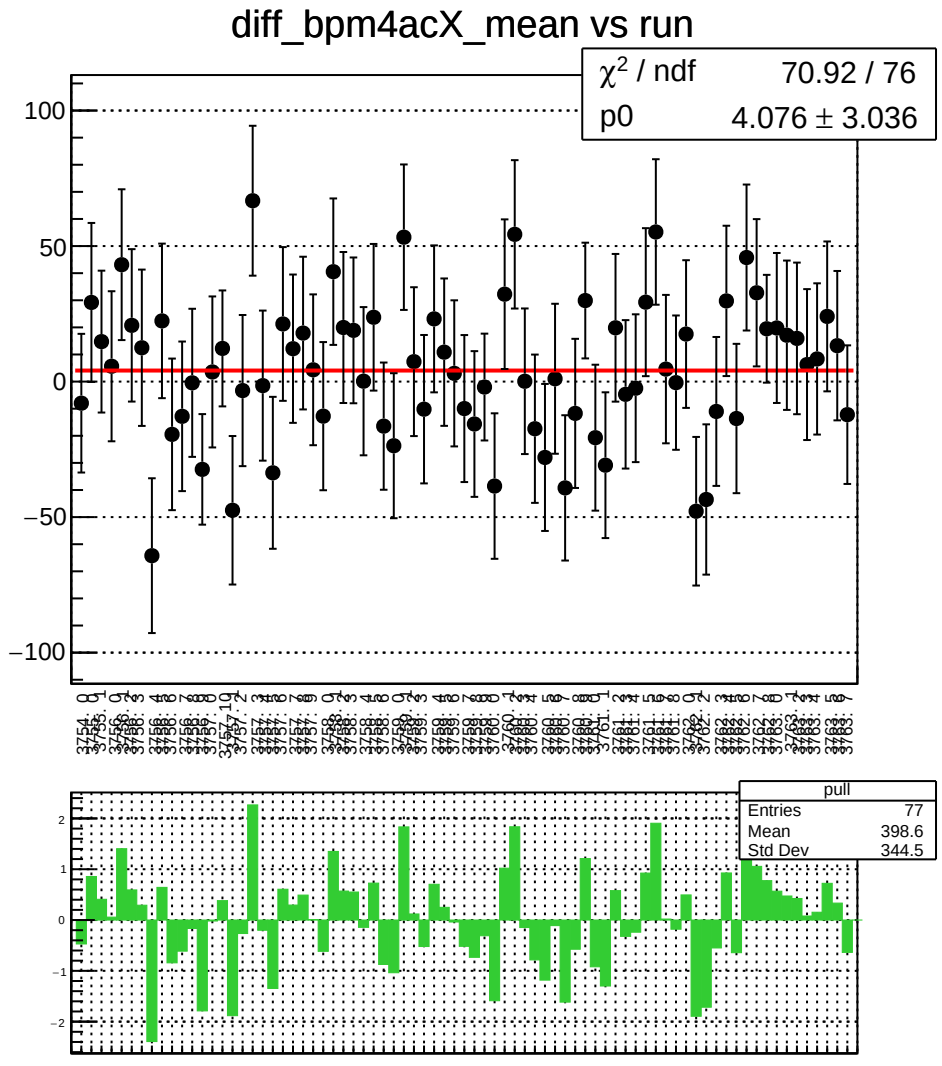

pull1D
Entries 77
Mean 0.01187
Std Dev 0.9961

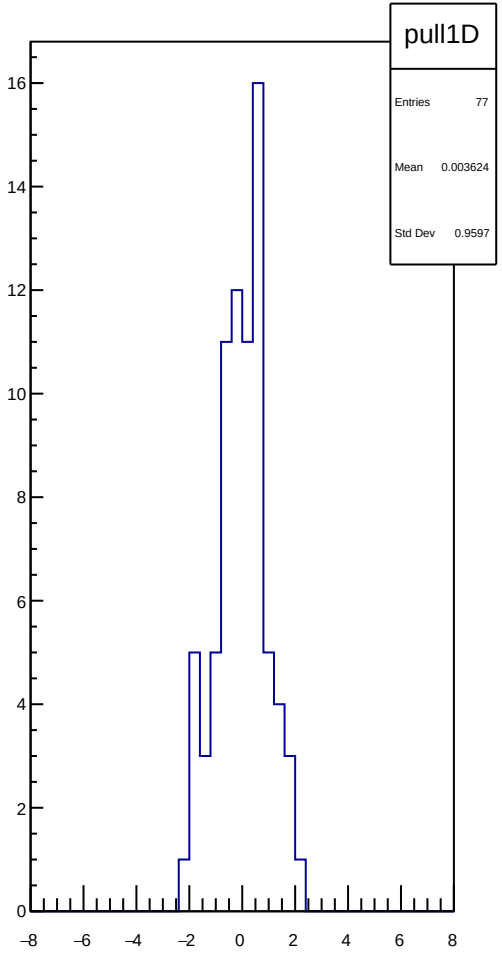

diff_bpm4eX_rms vs run
χ² / ndf 1294 / 76
p0 1.315e+04 ± 10.82
14000
13500
13000
12500
12000

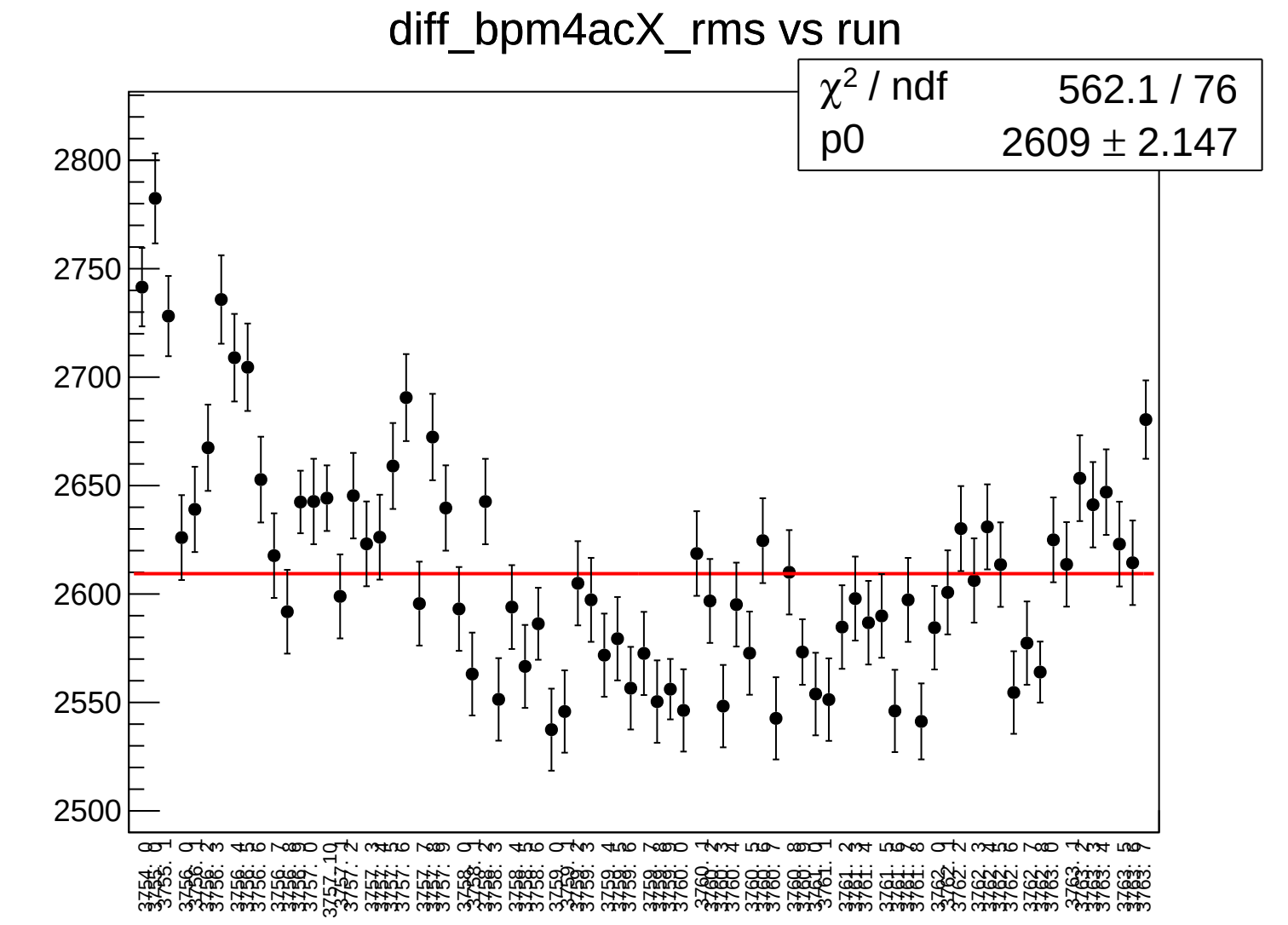

diff_bpm4eY_mean vs run
χ² / ndf 64.6 / 76
p0 0.571 ± 5.224
pull
Entries 77
Mean −30.22
Std Dev 29.11

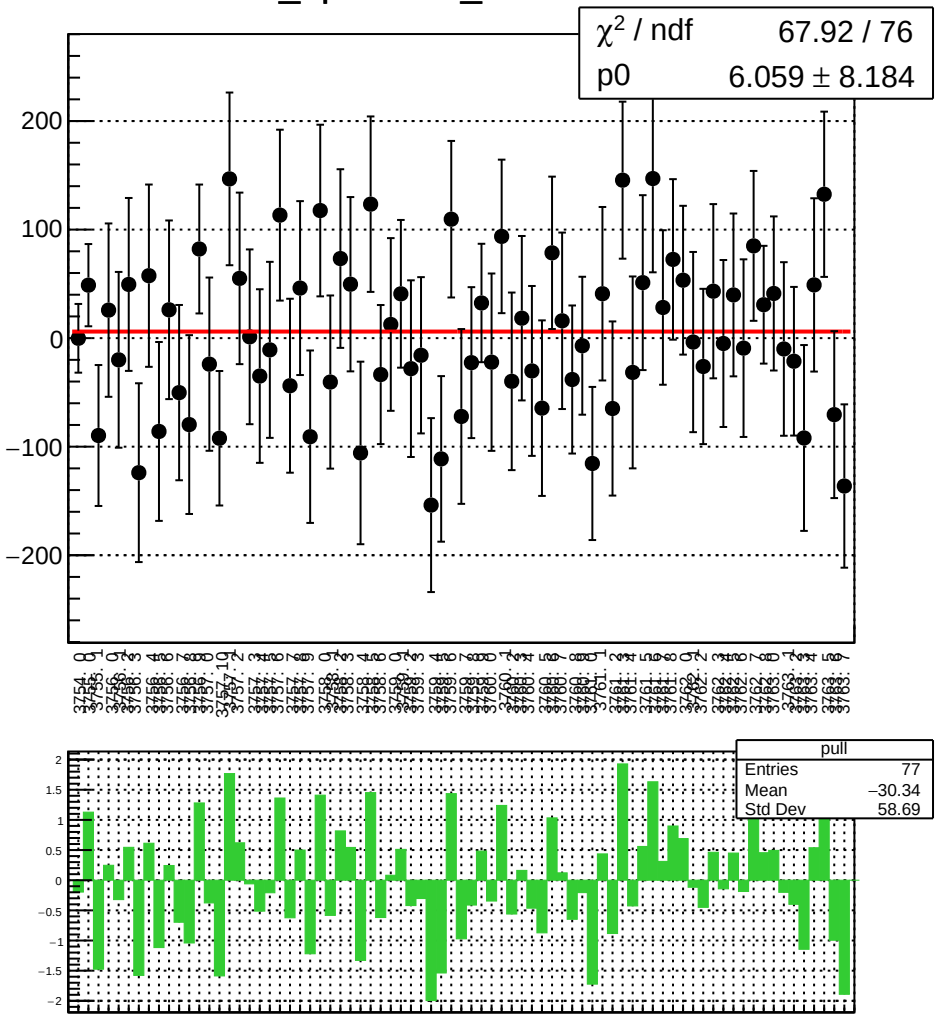

pull1D
Entries 77
Mean −0.01604
Std Dev 0.9158

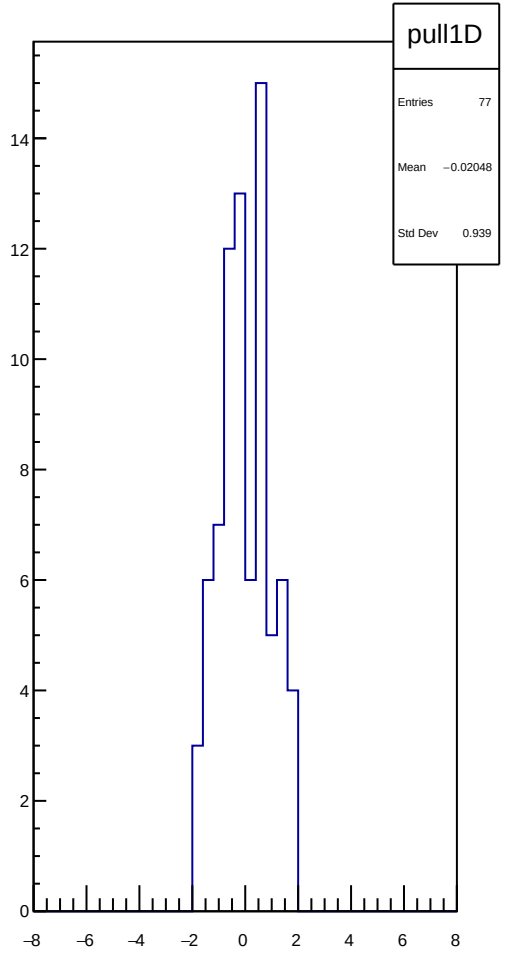

diff_bpm4eY_rms vs run
χ² / ndf 2.553e+04 / 76
p0 4452 ± 3.694
5000
4500
4000
3500
3000
2500

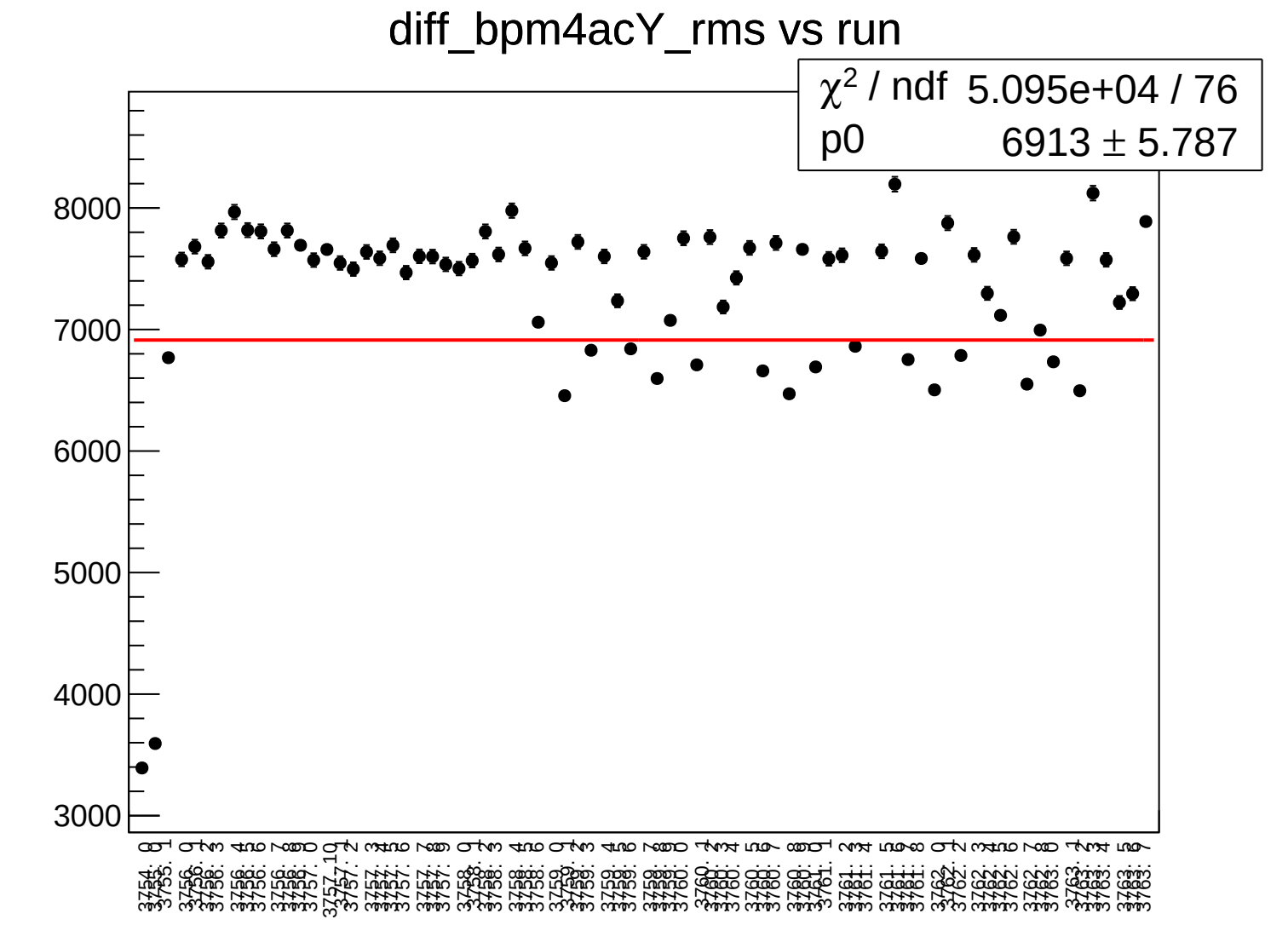

diff_bpm4acX_mean vs run
χ² / ndf 70.92 / 76
p0 4.076 ± 3.036
100
50
0
−50
−100
pull
Entries 77
Mean 398.6
Std Dev 344.5
2
1
0
−1
−2

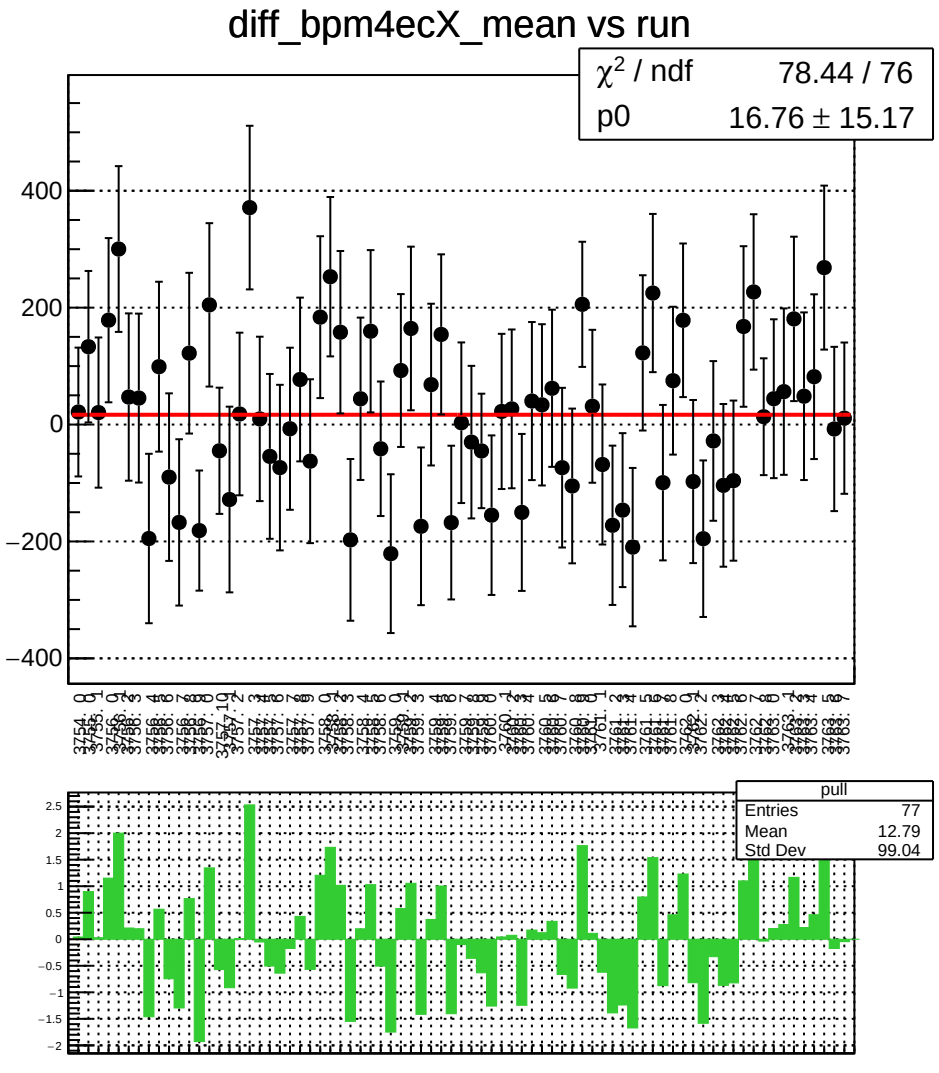

pull1D
Entries 77
Mean 0.003624
Std Dev 0.9597
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

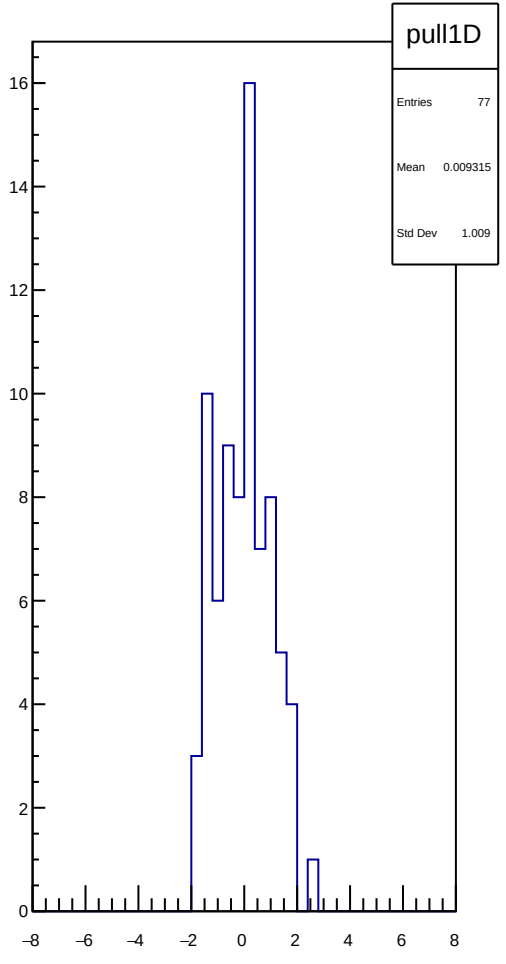

diff_bpm4acX_rms vs run
χ² / ndf 562.1 / 76
p0 2609 ± 2.147
2800
2750
2700
2650
2600
2550
2500

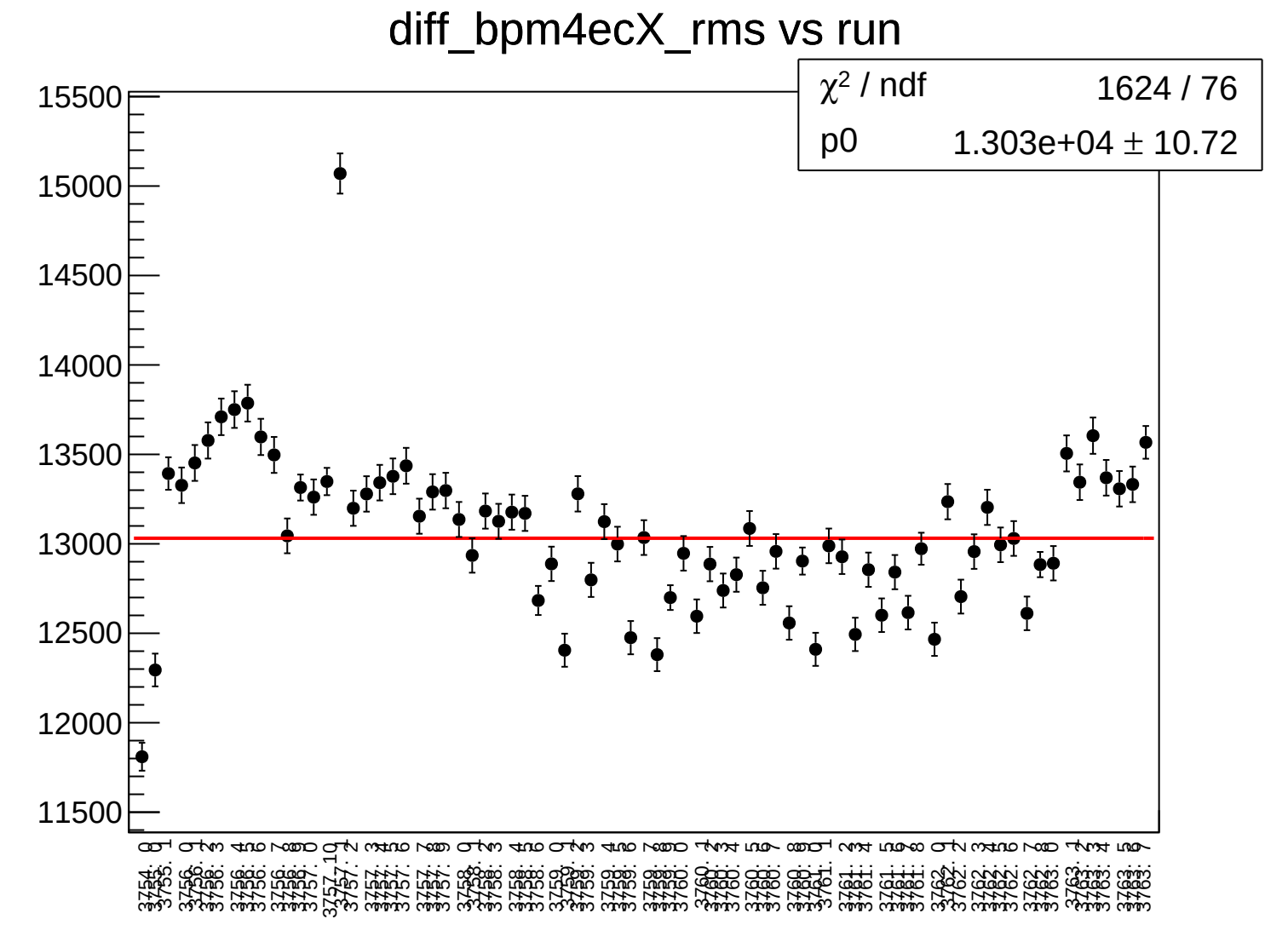

diff_bpm4acY_mean vs run
χ² / ndf 67.92 / 76
p0 6.059 ± 8.184
200
100
0
−100
−200
pull
Entries 77
Mean −30.34
Std Dev 58.69
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

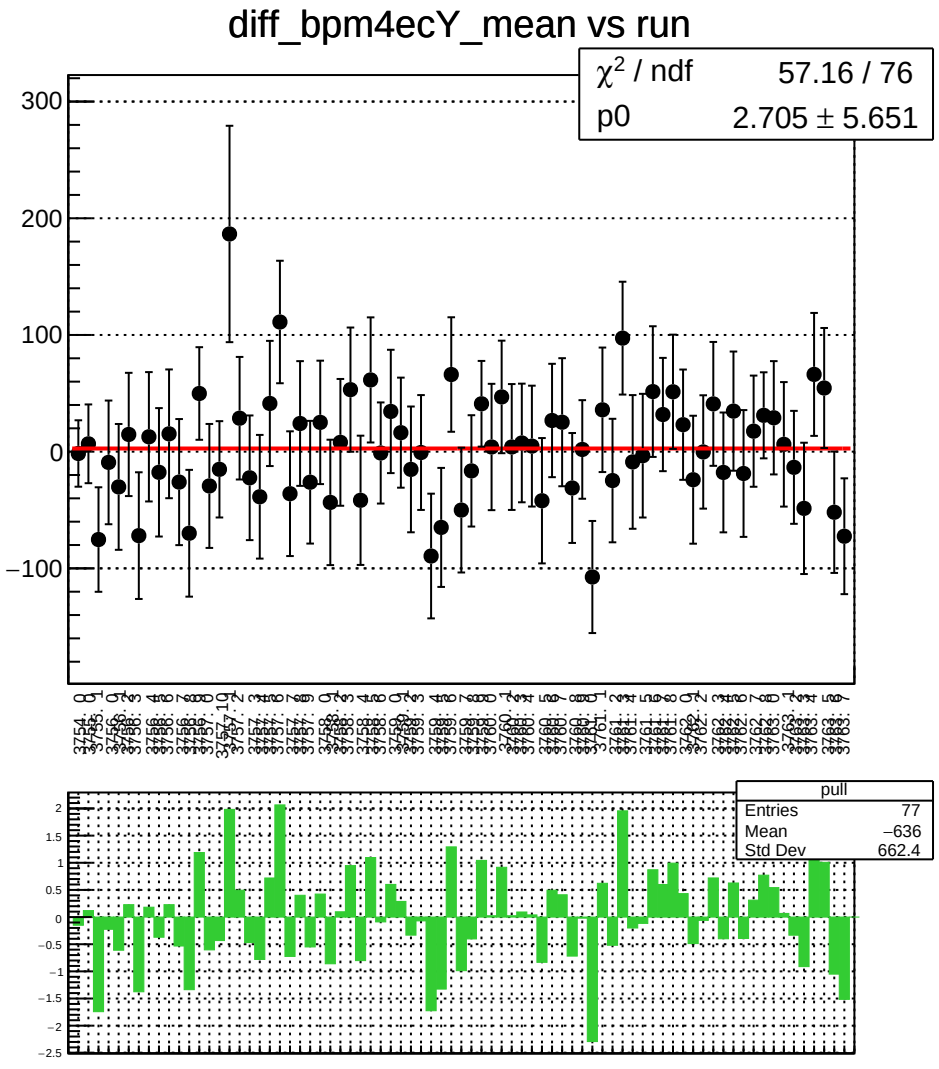

pull1D
Entries 77
Mean −0.02048
Std Dev 0.939
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

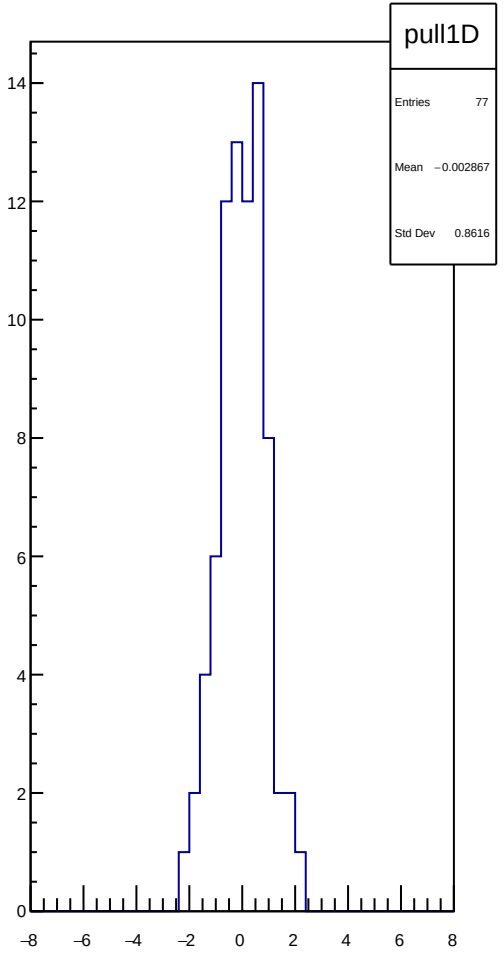

diff_bpm4acY_rms vs run
χ² / ndf 5.095e+04 / 76
p0 6913 ± 5.787
8000
7000
6000
5000
4000
3000

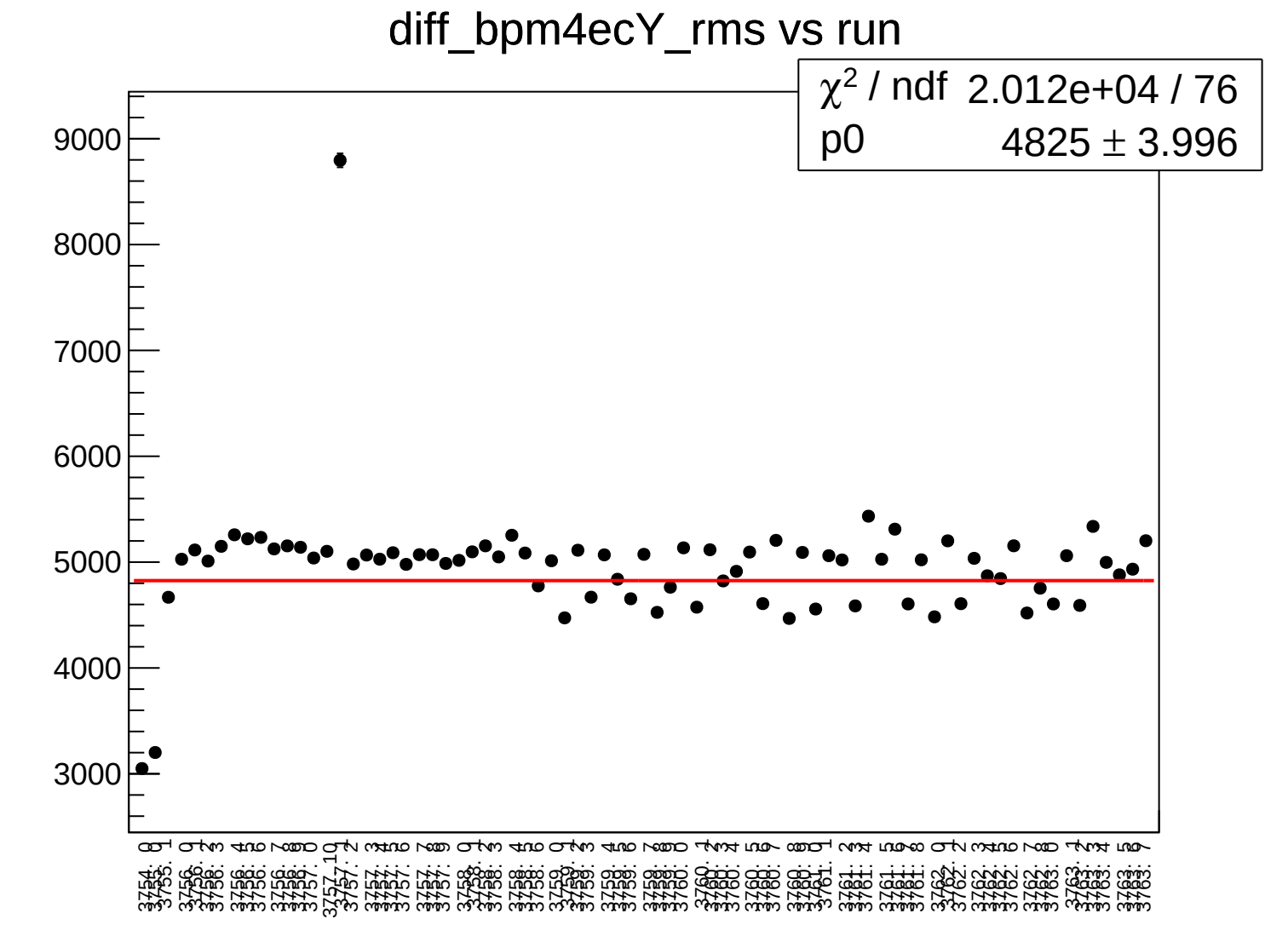

diff_bpm4ecX_mean vs run
χ² / ndf 78.44 / 76
p0 16.76 ± 15.17
400
200
0
−200
−400
pull
Entries 77
Mean 12.79
Std Dev 99.04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

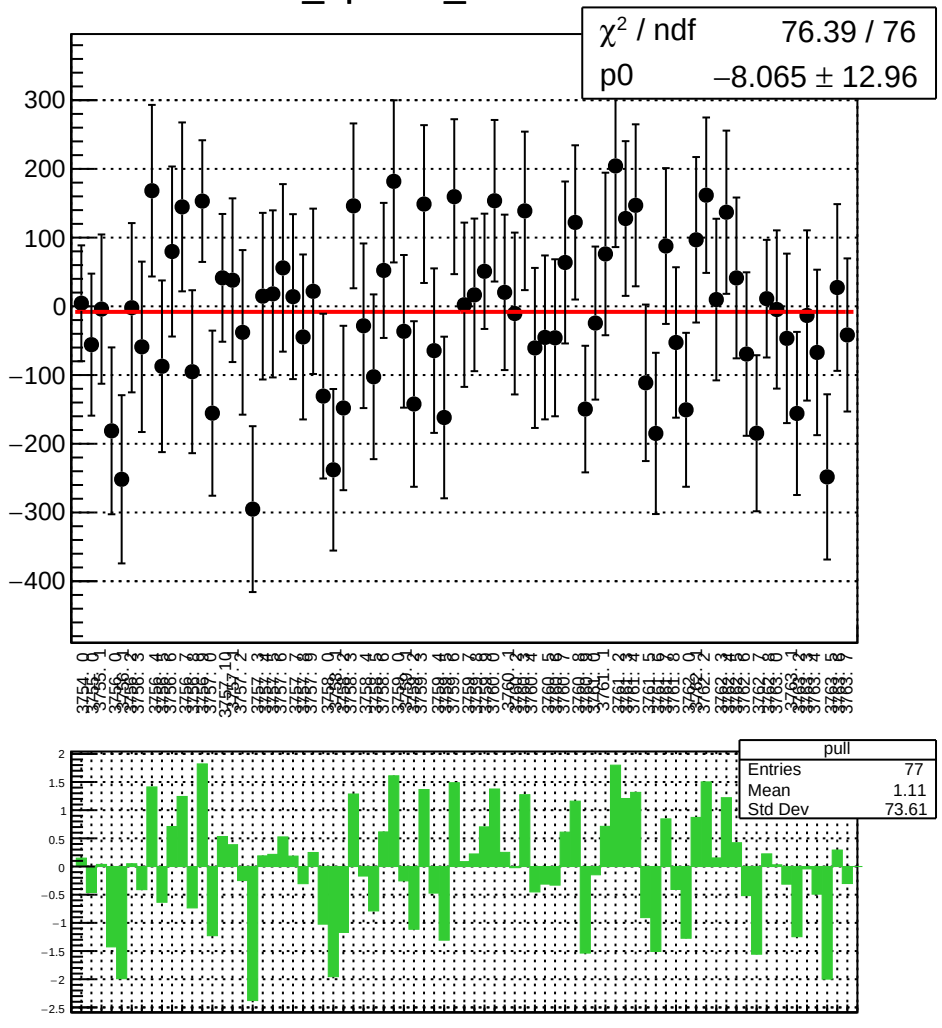

pull1D
Entries 77
Mean 0.009315
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

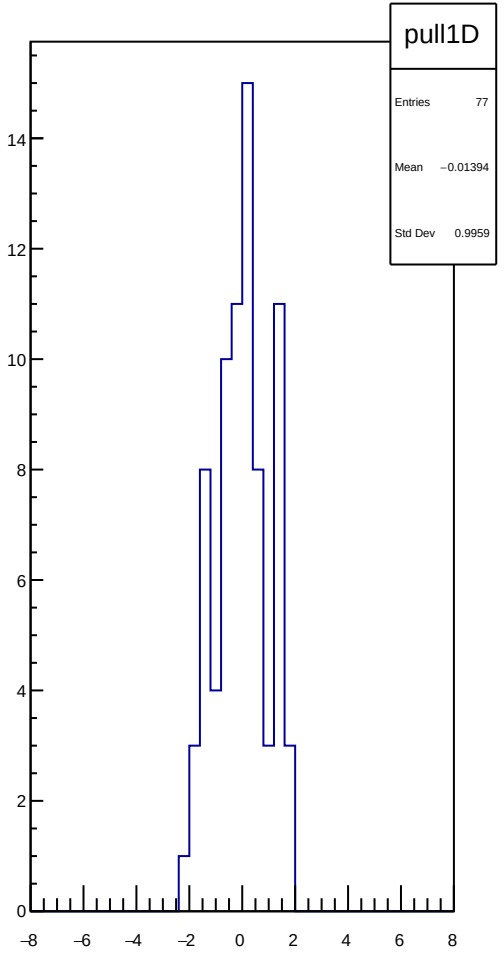

diff_bpm4ecX_rms vs run
χ² / ndf 1624 / 76
p0 1.303e+04 ± 10.72
15500
15000
14500
14000
13500
13000
12500
12000
11500

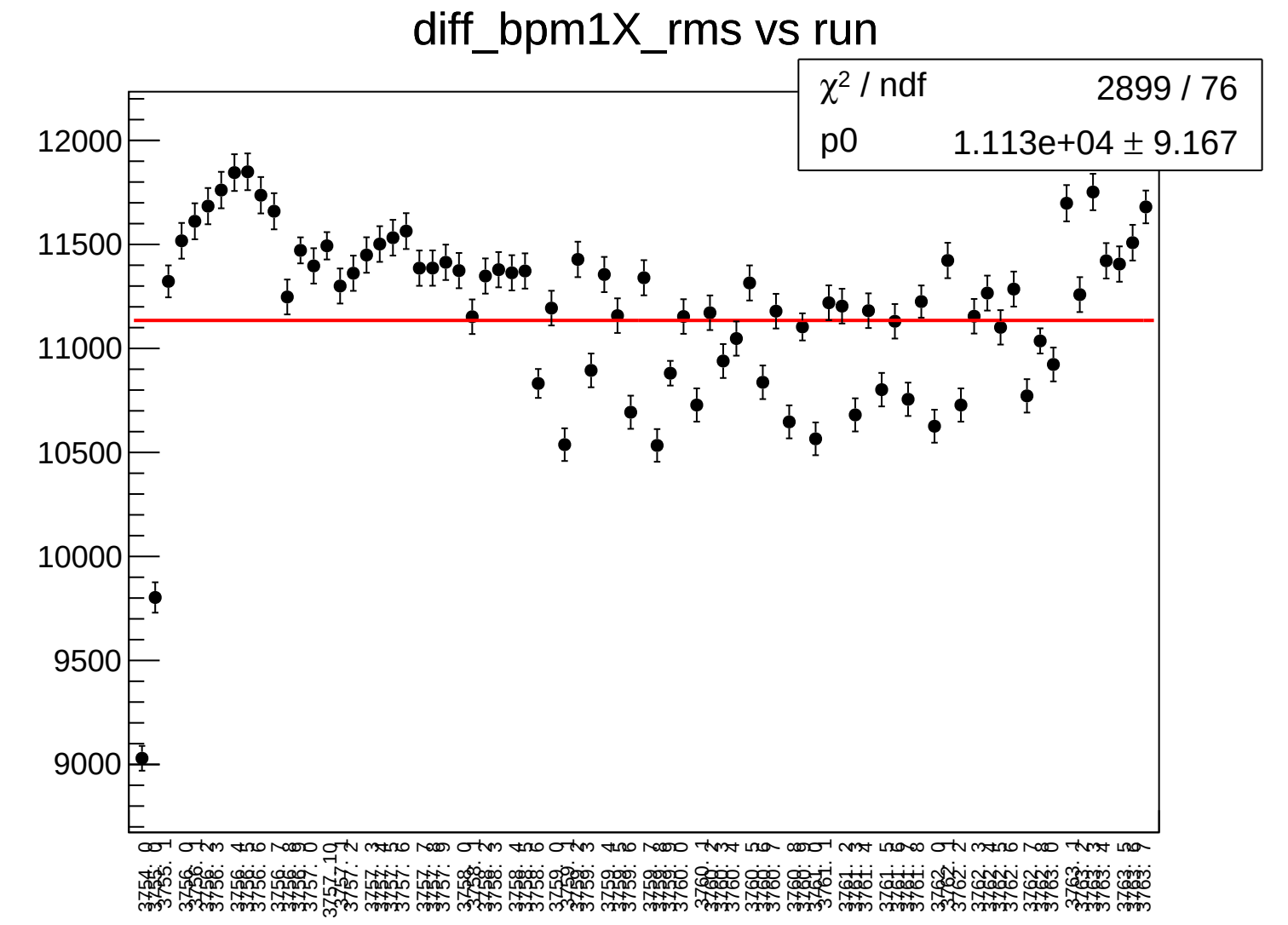

diff_bpm4ecY_mean vs run
χ² / ndf 57.16 / 76
p0 2.705 ± 5.651
pull
Entries 77
Mean −636
Std Dev 662.4

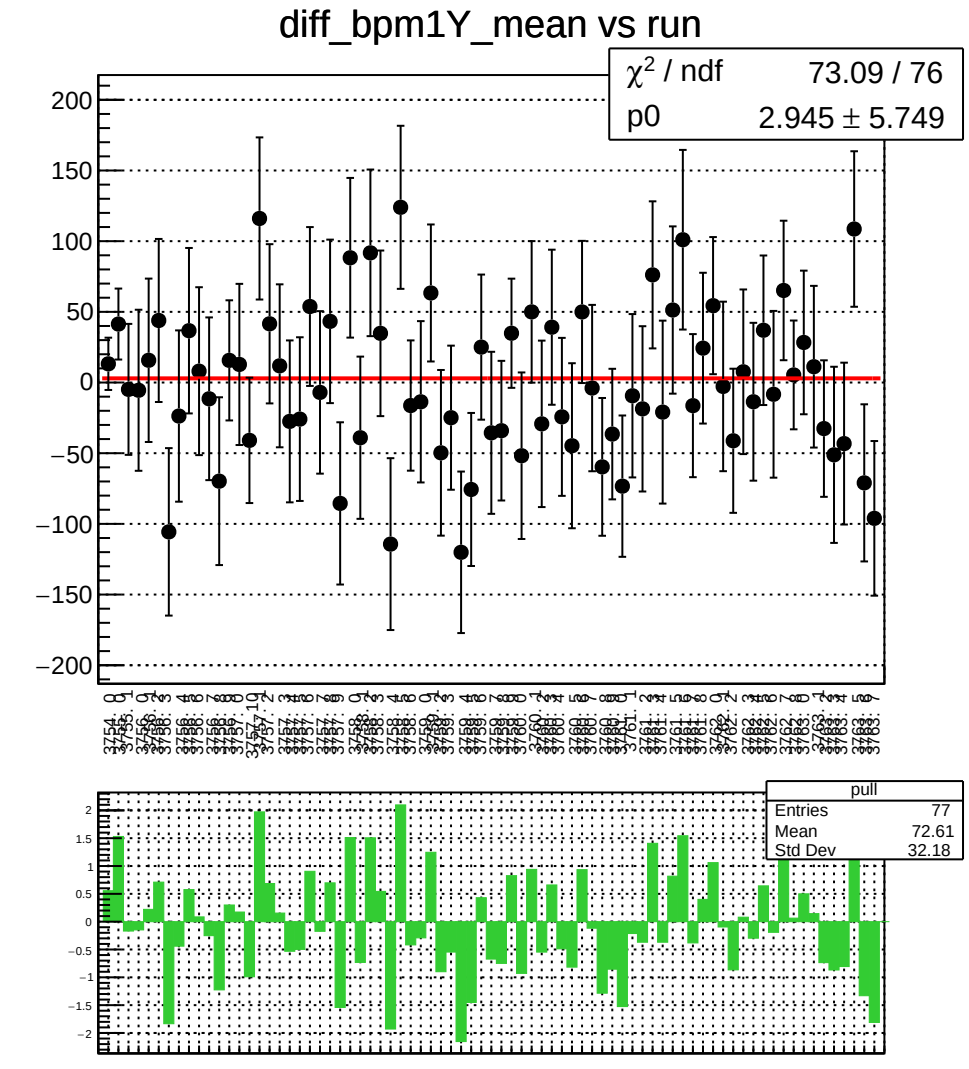

pull1D
Entries 77
Mean −0.002867
Std Dev 0.8616

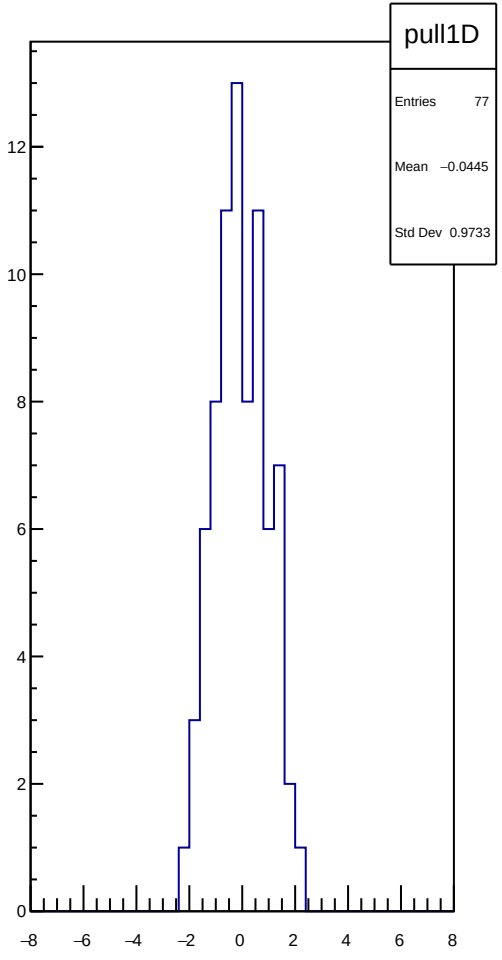

diff_bpm4ecY_rms vs run
χ² / ndf 2.012e+04 / 76
p0 4825 ± 3.996
9000
8000
7000
6000
5000
4000
3000

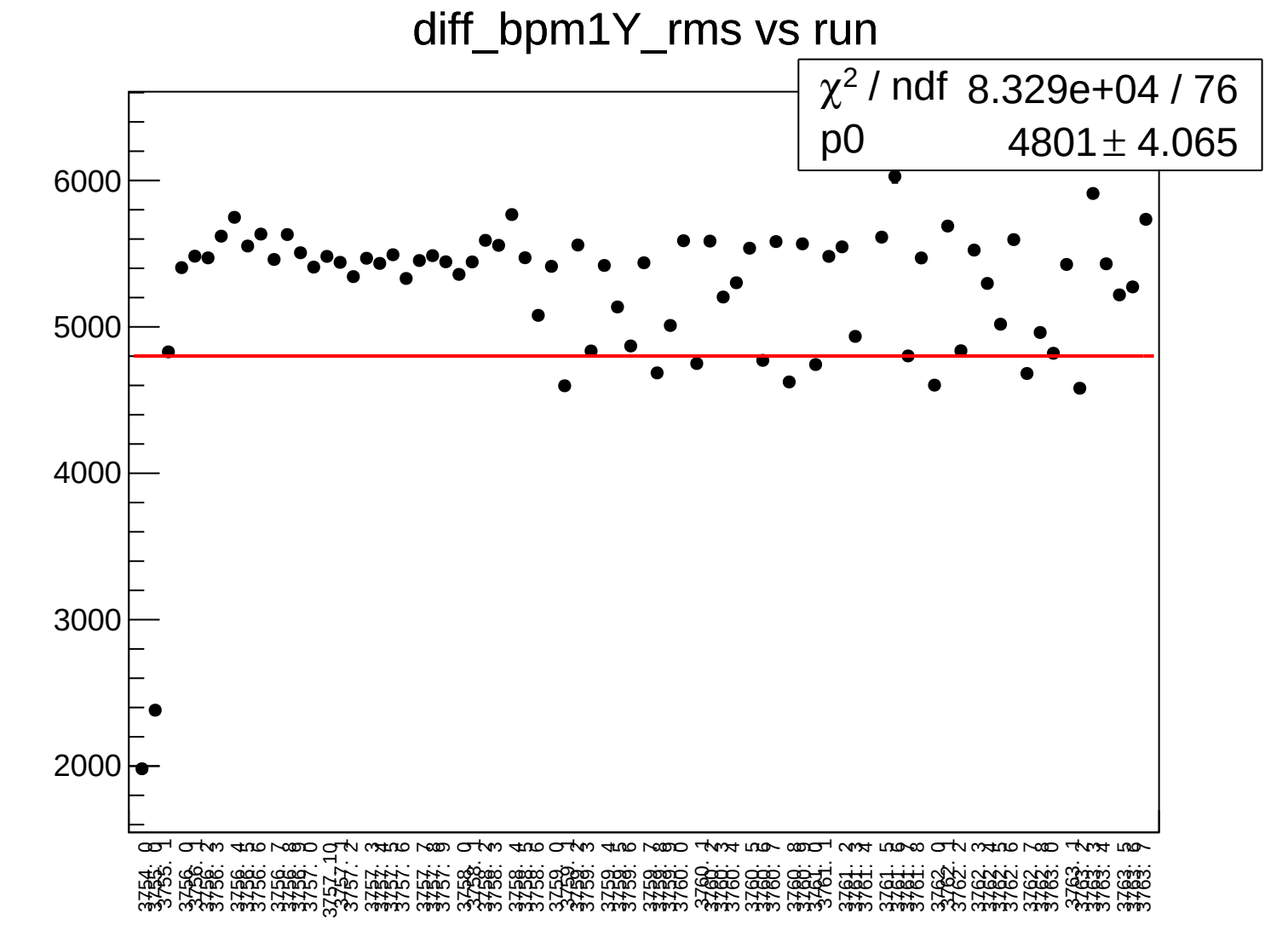

diff_bpm1X_mean vs run
χ² / ndf 76.39 / 76
p0 −8.065 ± 12.96
pull
Entries 77
Mean 1.11
Std Dev 73.61

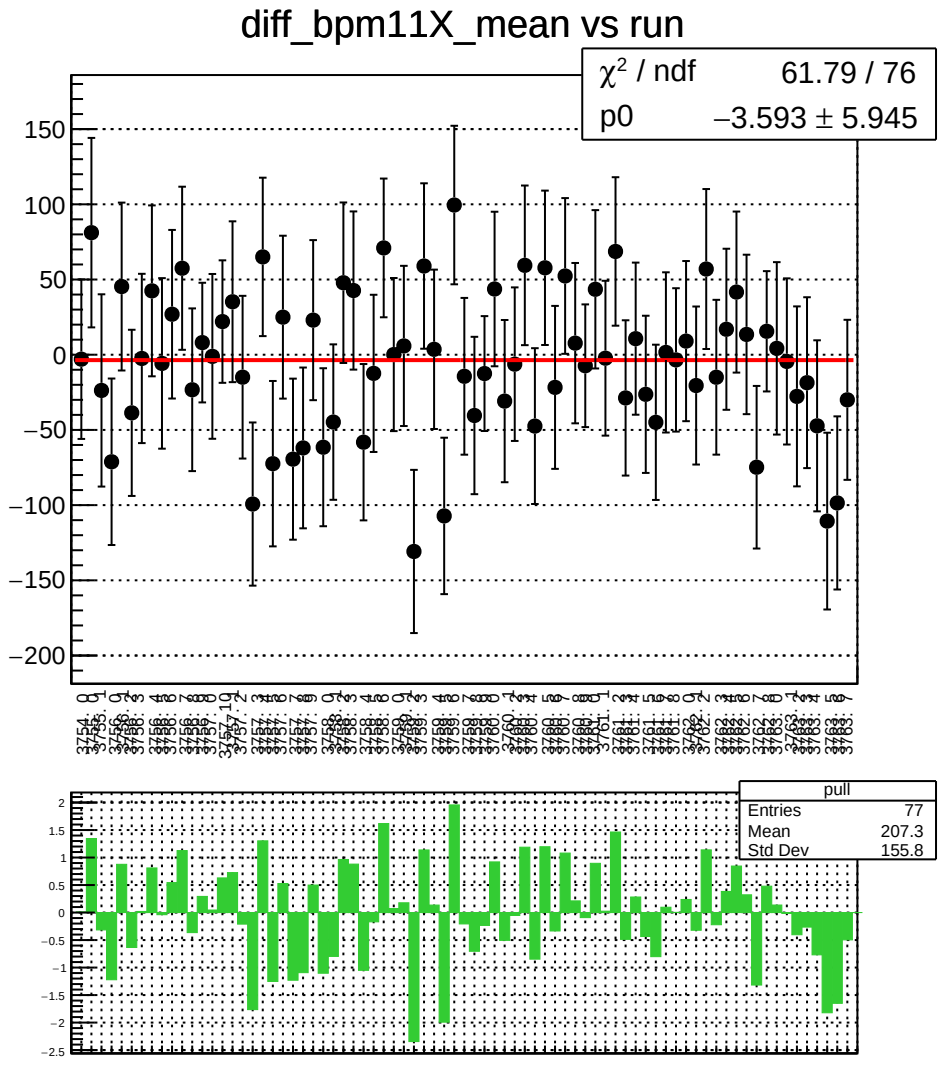

pull1D
Entries 77
Mean −0.01394
Std Dev 0.9959

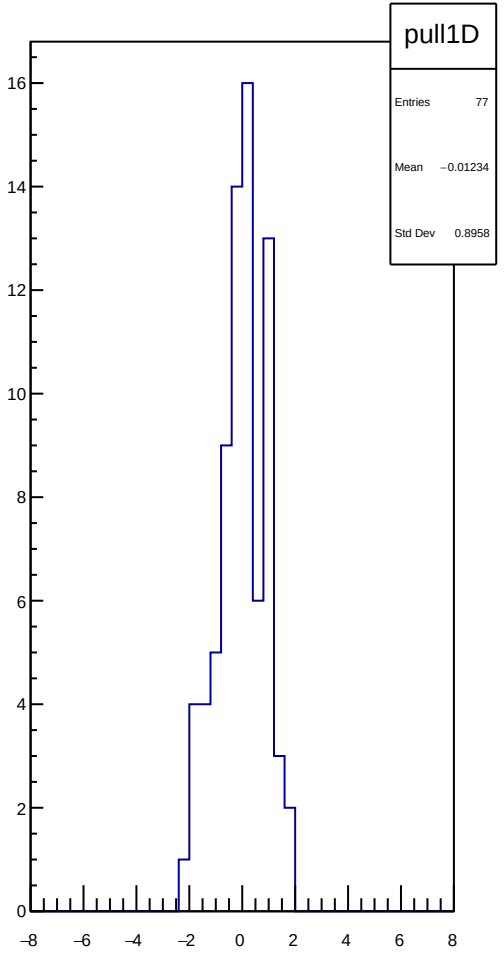

diff_bpm1X_rms vs run
χ² / ndf 2899 / 76
p0 1.113e+04 ± 9.167
12000
11500
11000
10500
10000
9500
9000

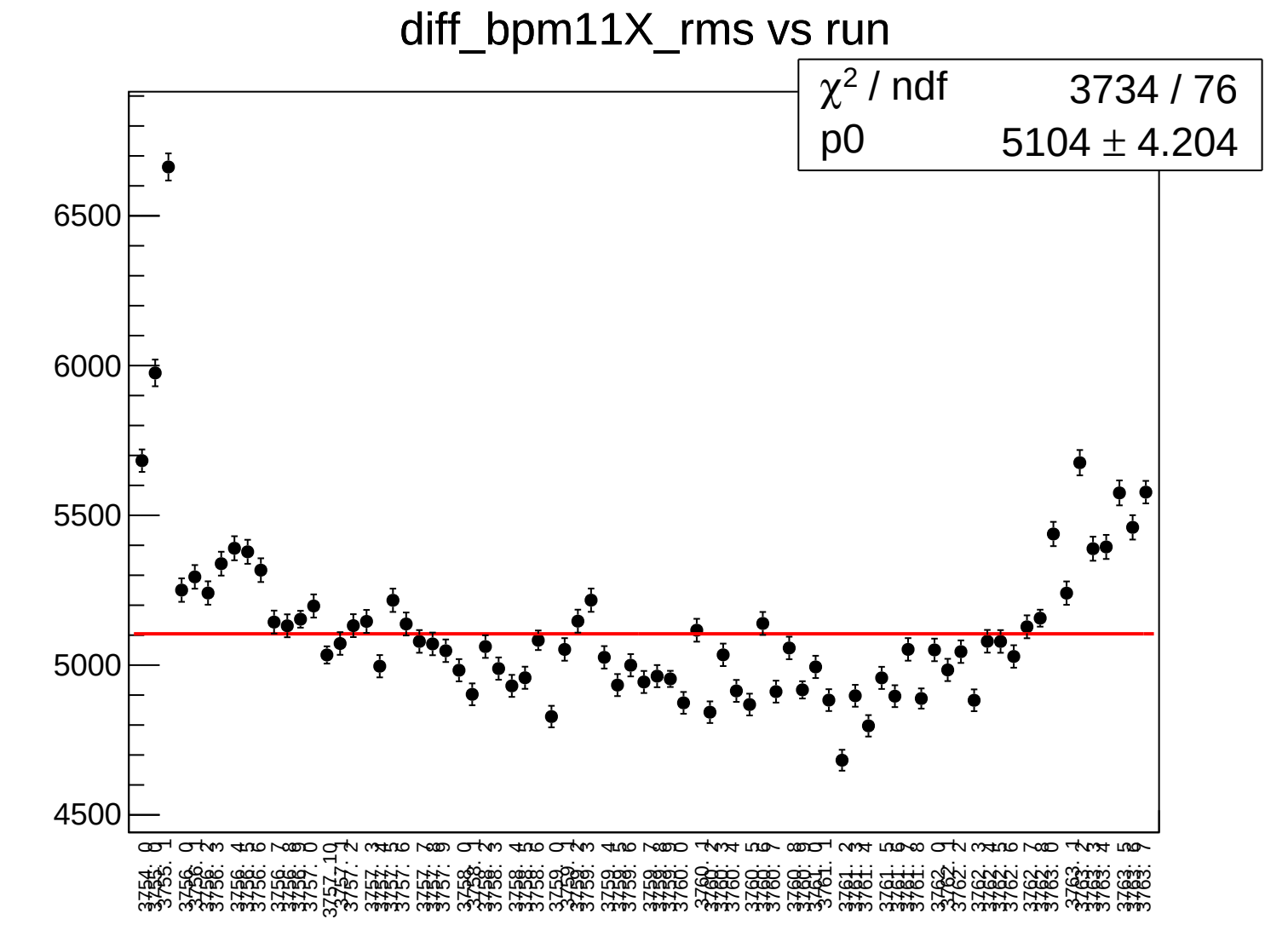

diff_bpm1Y_mean vs run
χ² / ndf 73.09 / 76
p0 2.945 ± 5.749
pull
Entries 77
Mean 72.61
Std Dev 32.18

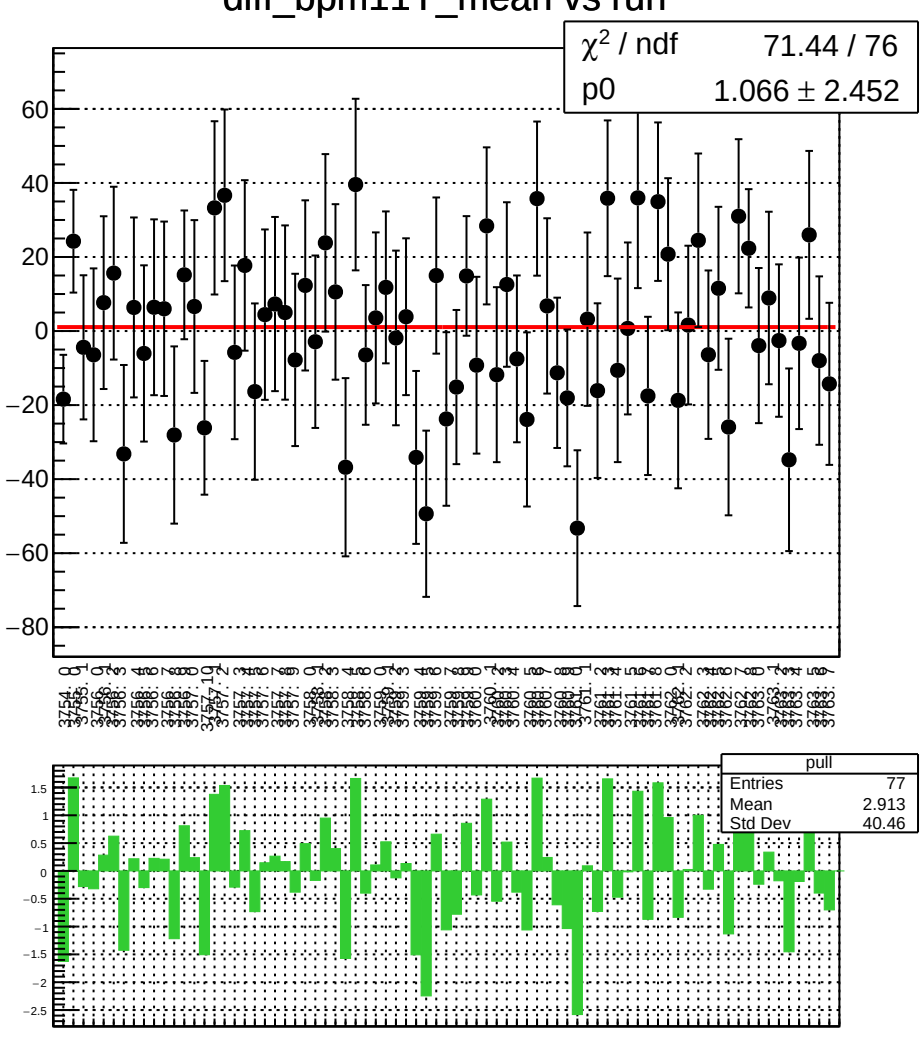

pull1D
Entries 77
Mean −0.0445
Std Dev 0.9733

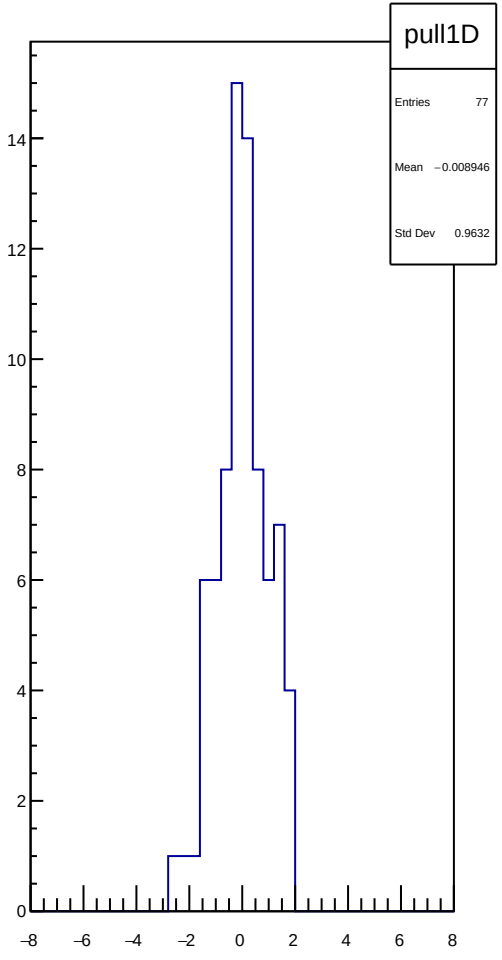

diff_bpm1Y_rms vs run
χ² / ndf 8.329e+04 / 76
p0 4801 ± 4.065
6000
5000
4000
3000
2000

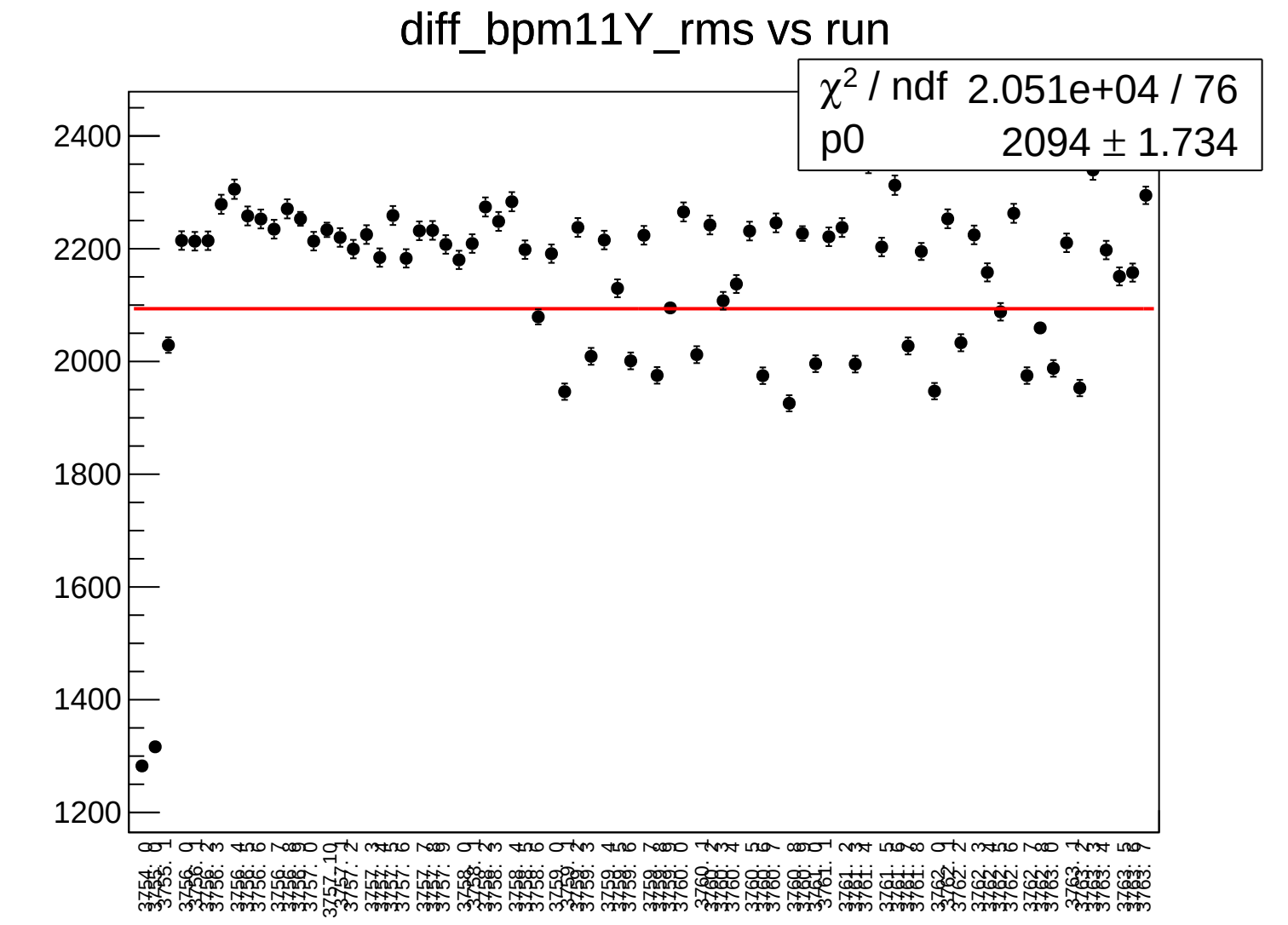

diff_bpm11X_mean vs run
χ² / ndf 61.79 / 76
p0 −3.593 ± 5.945
pull
Entries 77
Mean 207.3
Std Dev 155.8

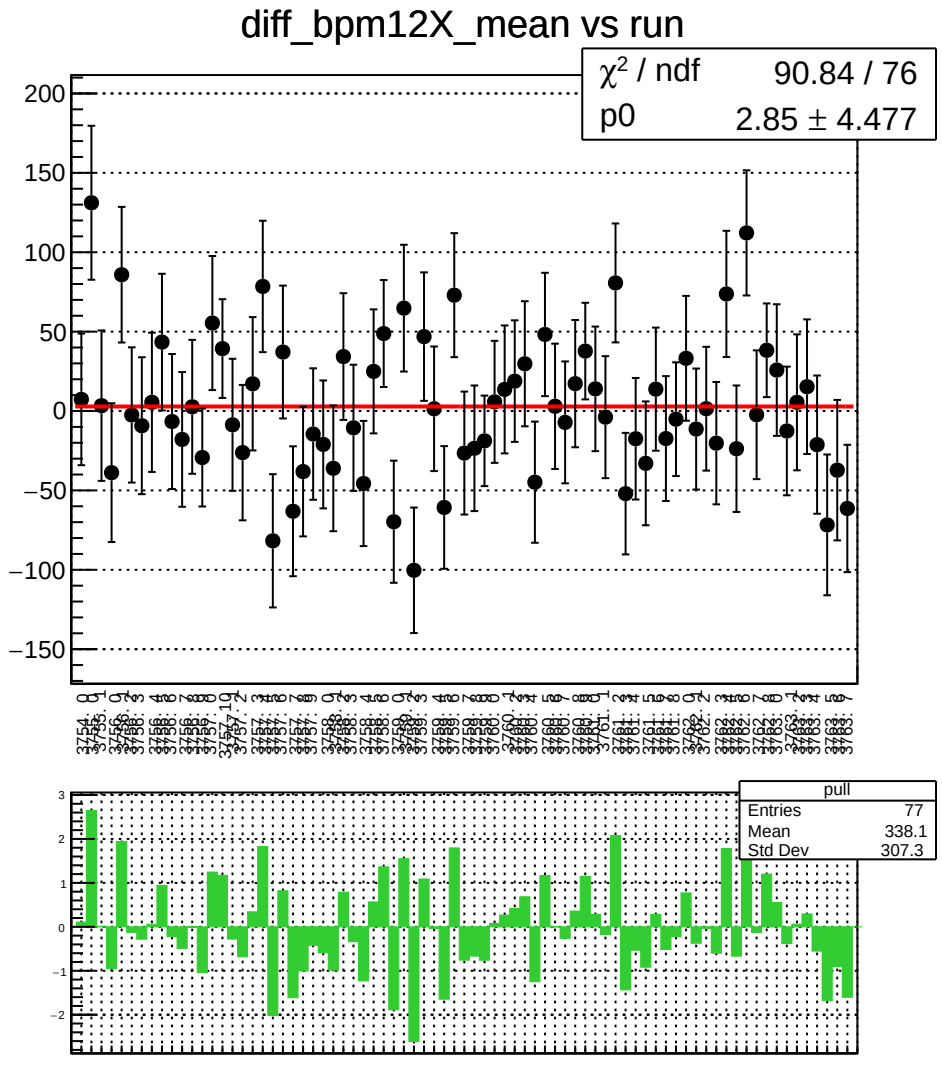

pull1D
Entries 77
Mean −0.01234
Std Dev 0.8958

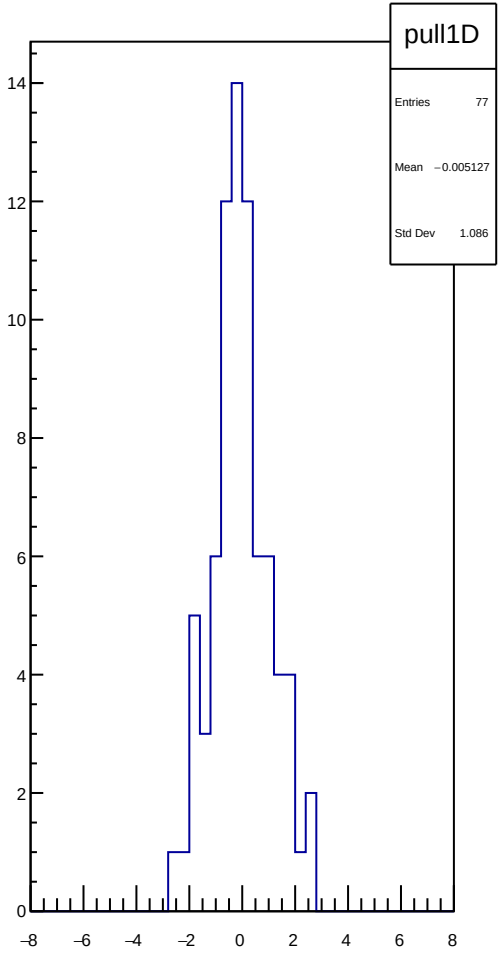

diff_bpm11X_rms vs run
χ² / ndf 3734 / 76
p0 5104 ± 4.204
6500
6000
5500
5000
4500

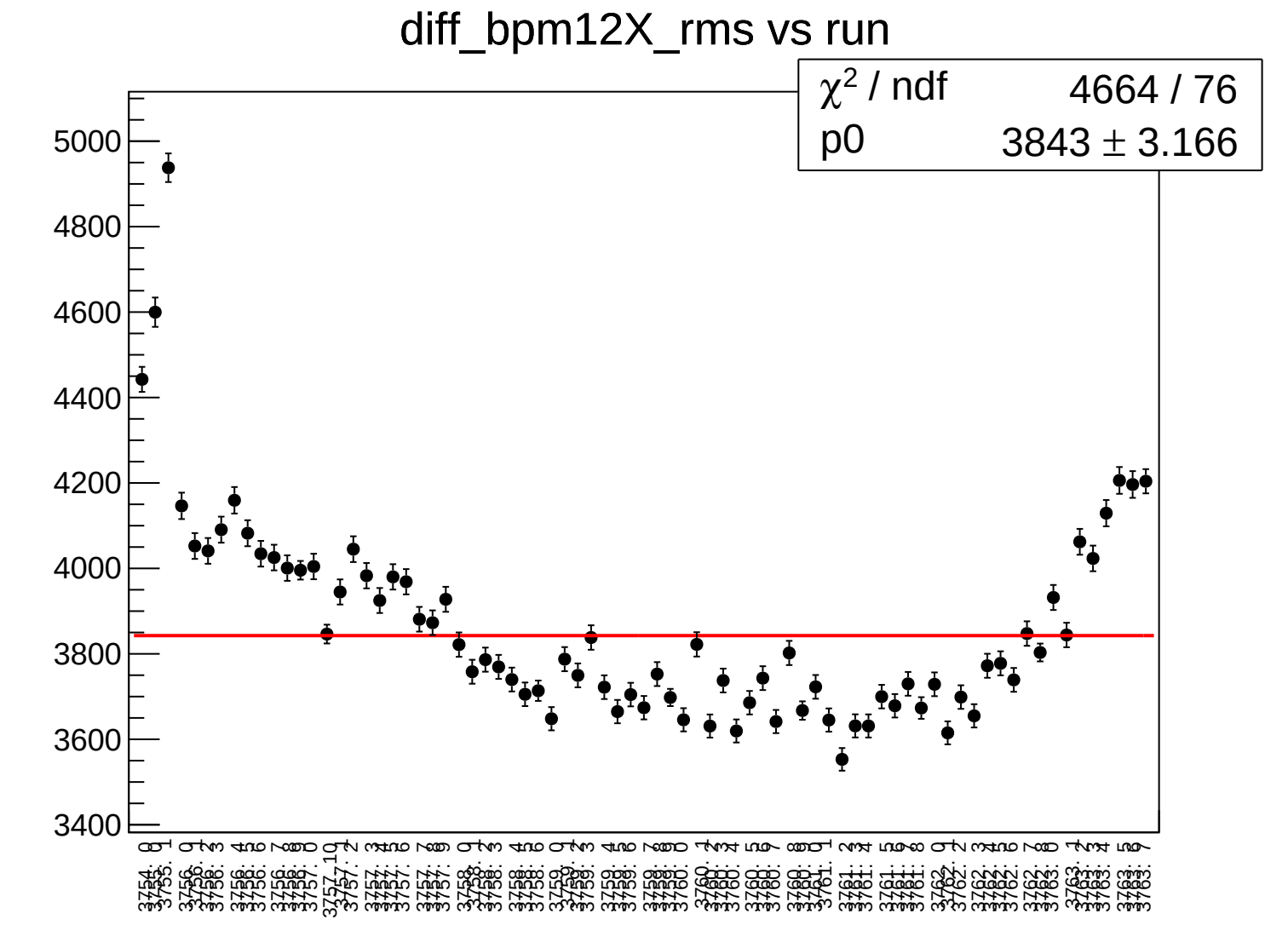

diff_bpm11Y_mean vs run
χ^2 / ndf 71.44 / 76
p0 1.066 ± 2.452
pull
Entries 77
Mean 2.913
Std Dev 40.46

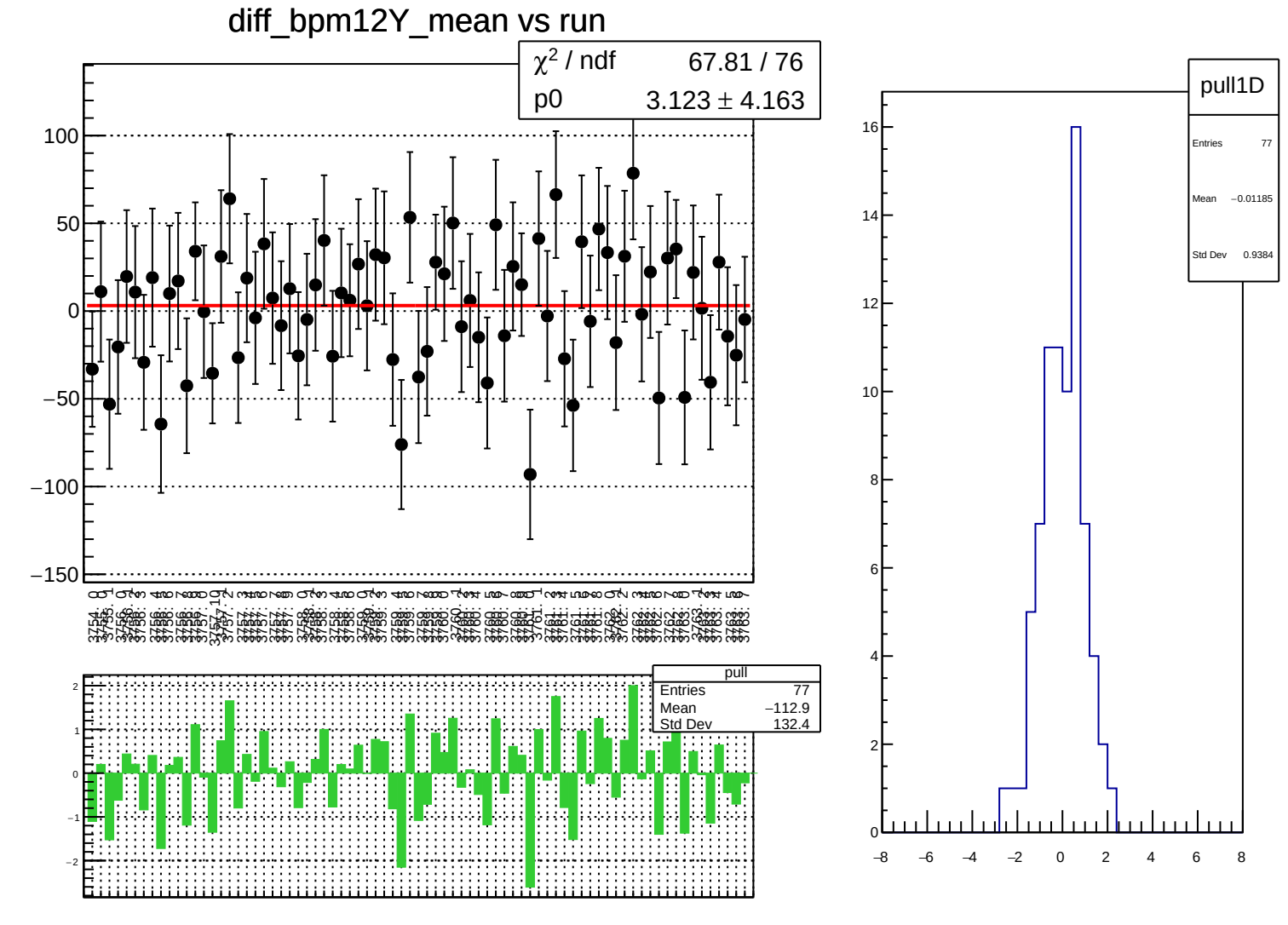

pull1D
Entries 77
Mean −0.008946
Std Dev 0.9632

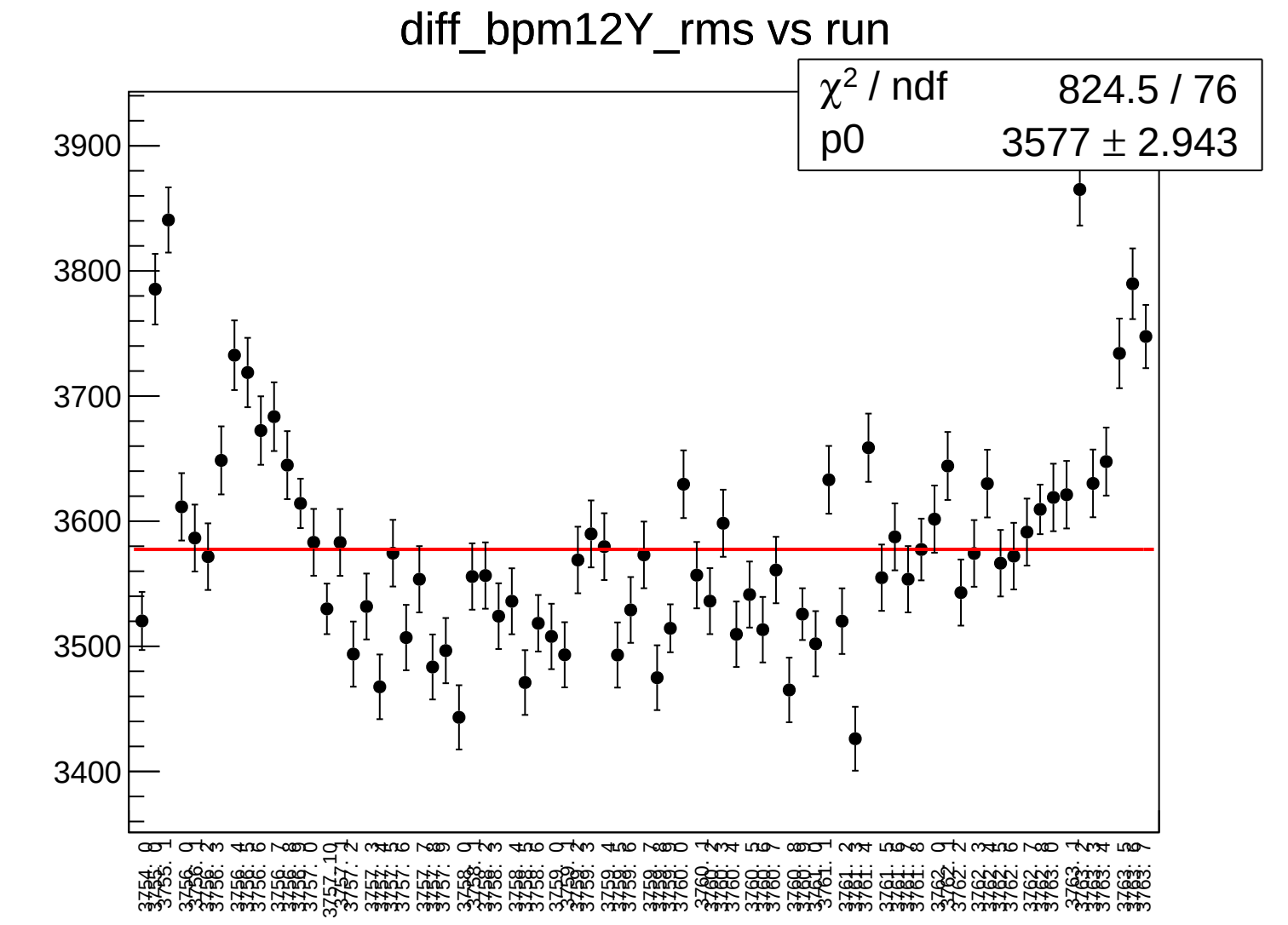

diff_bpm11Y_rms vs run
χ² / ndf 2.051e+04 / 76
p0 2094 ± 1.734
2400
2200
2000
1800
1600
1400
1200

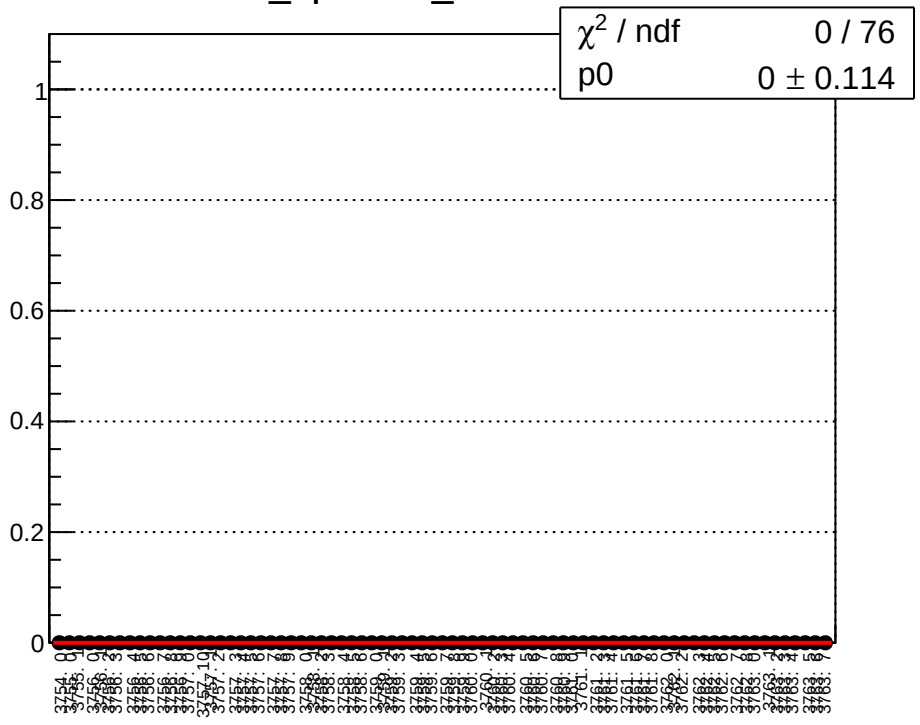

diff_bpm12X_mean vs run
χ² / ndf 90.84 / 76
p0 2.85 ± 4.477
pull
Entries 77
Mean 338.1
Std Dev 307.3

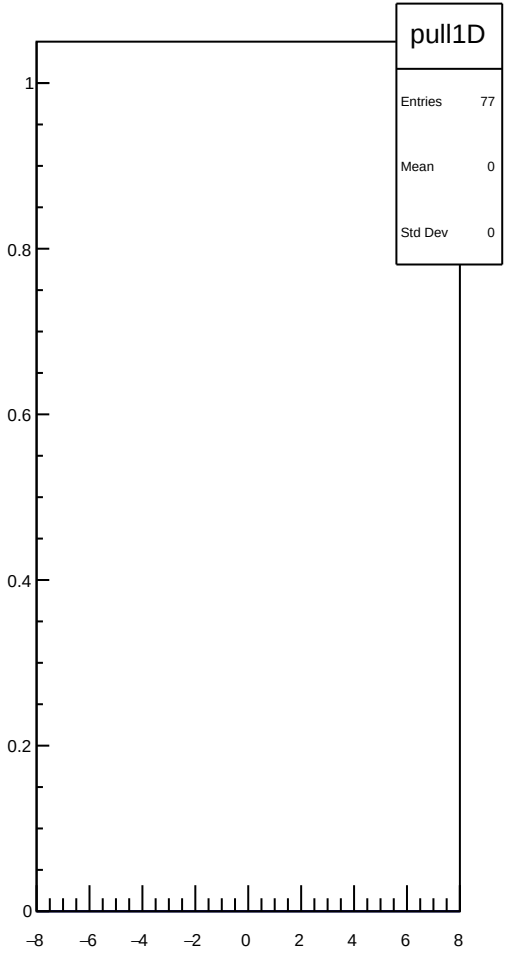

pull1D
Entries 77
Mean −0.005127
Std Dev 1.086

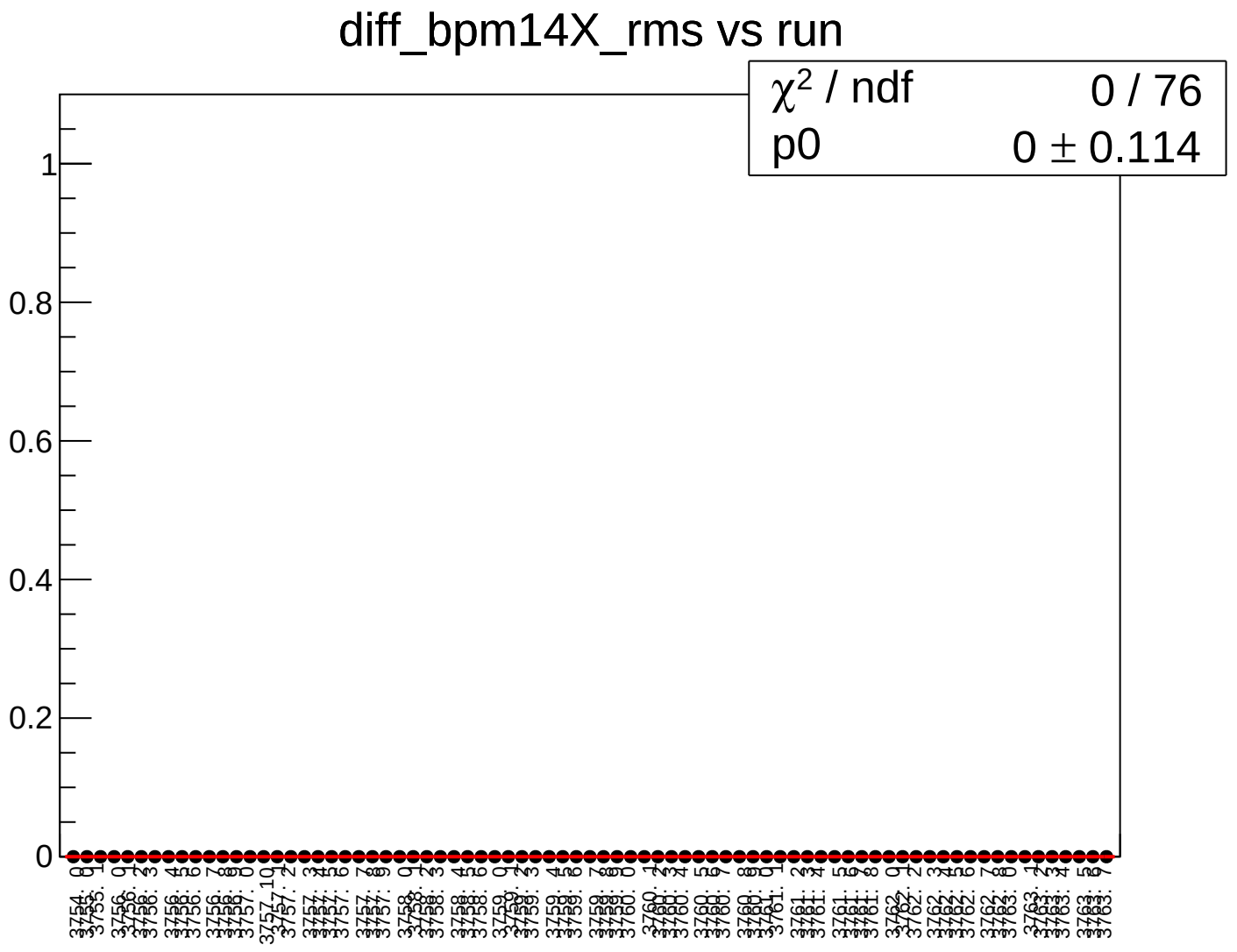

diff_bpm12X_rms vs run
χ² / ndf 4664 / 76
p0 3843 ± 3.166
5000
4800
4600
4400
4200
4000
3800
3600
3400

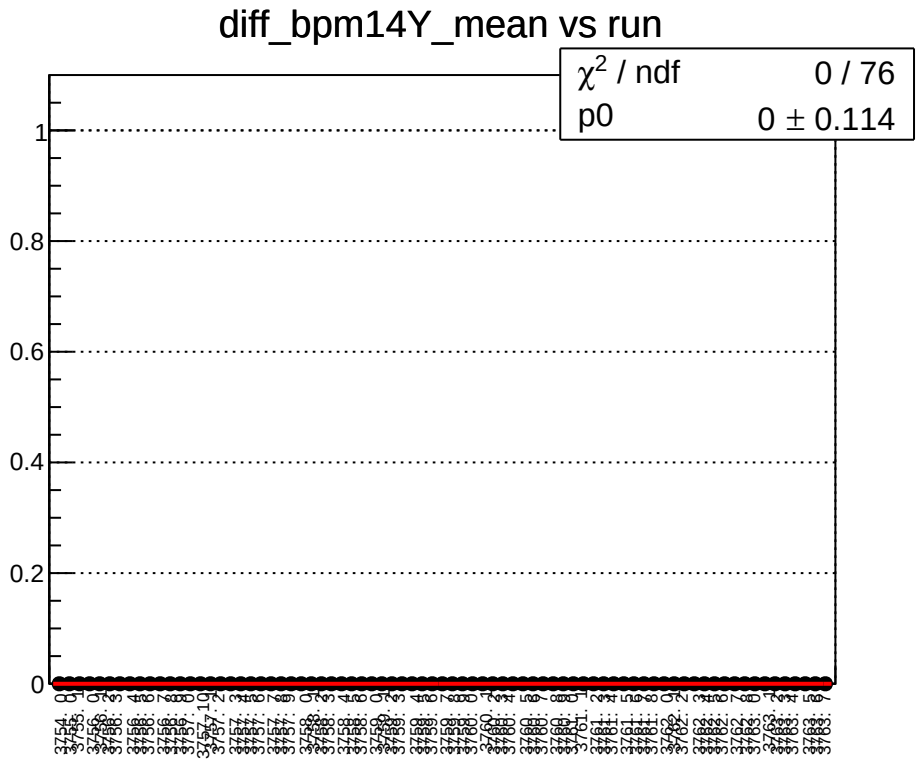

diff_bpm12Y_mean vs run
χ² / ndf 67.81 / 76
p0 3.123 ± 4.163
pull
Entries 77
Mean −112.9
Std Dev 132.4
pull1D
Entries 77
Mean −0.01185
Std Dev 0.9384

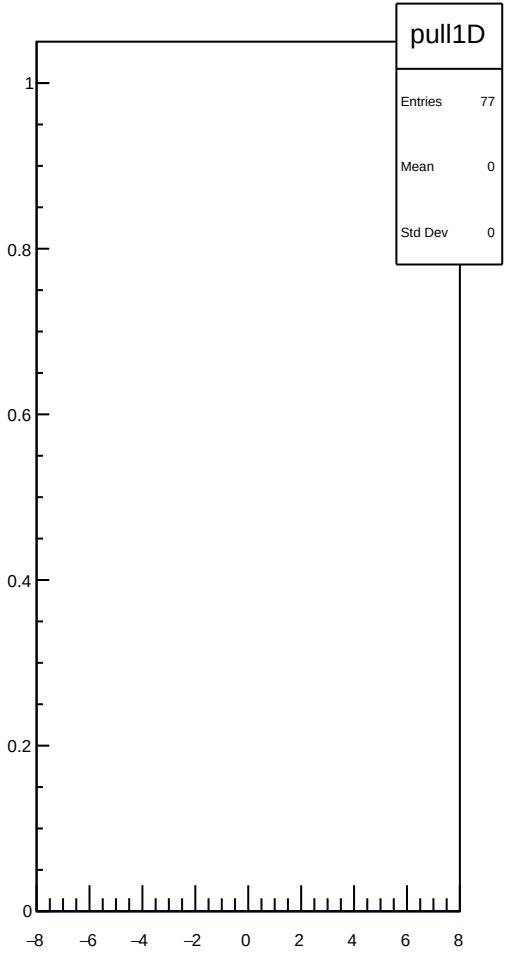

diff_bpm12Y_rms vs run
χ² / ndf 824.5 / 76
p0 3577 ± 2.943
3900
3800
3700
3600
3500
3400

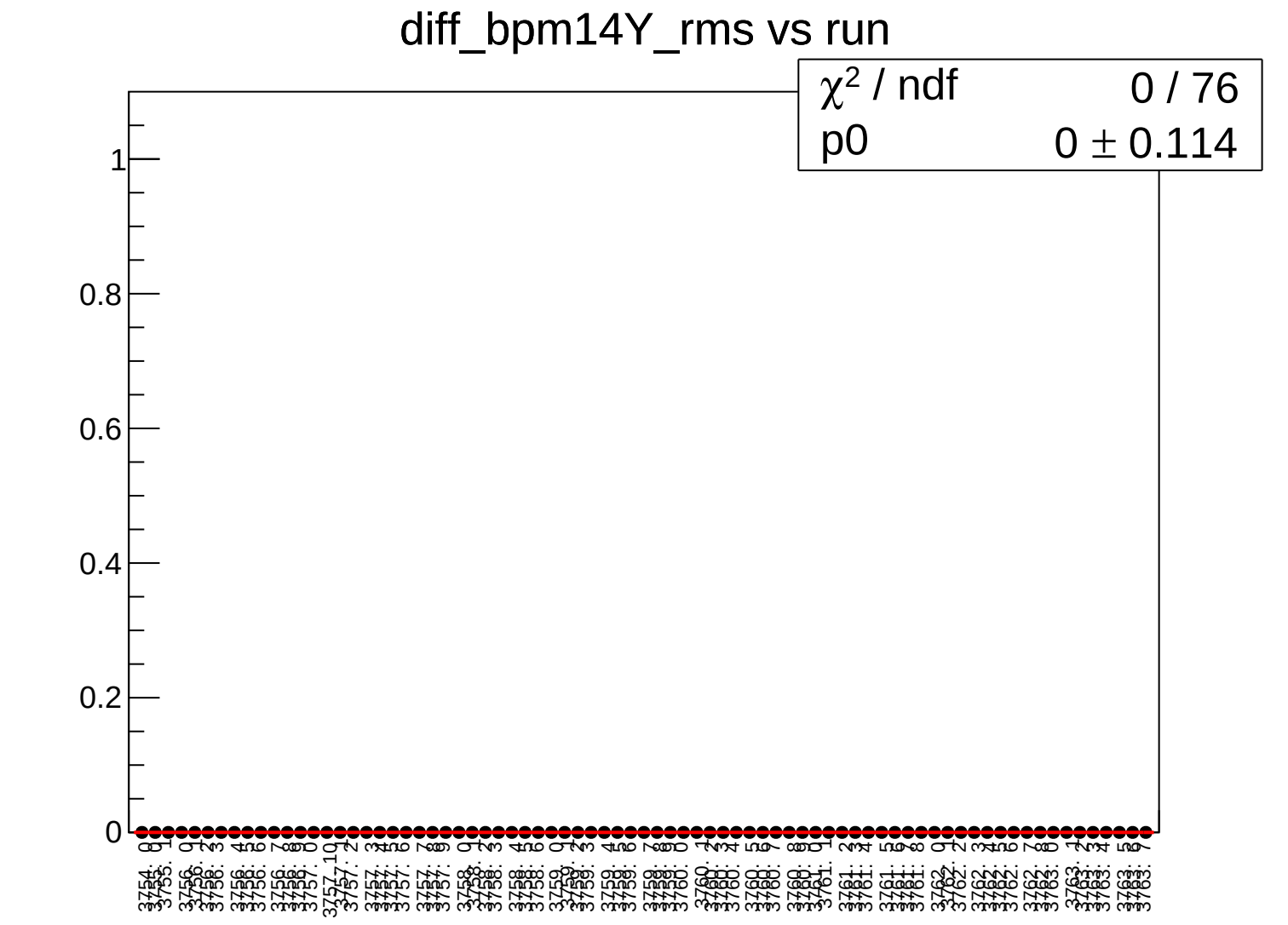

diff_bpm14X_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

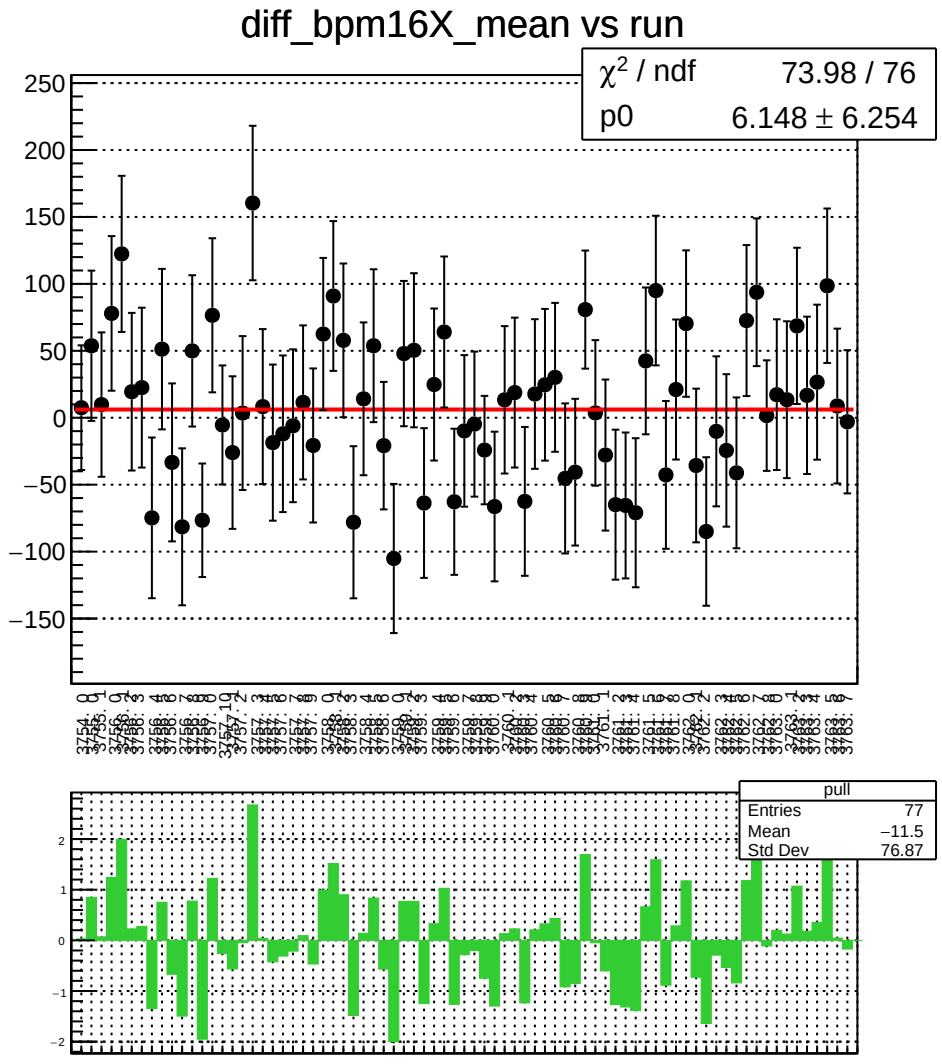

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

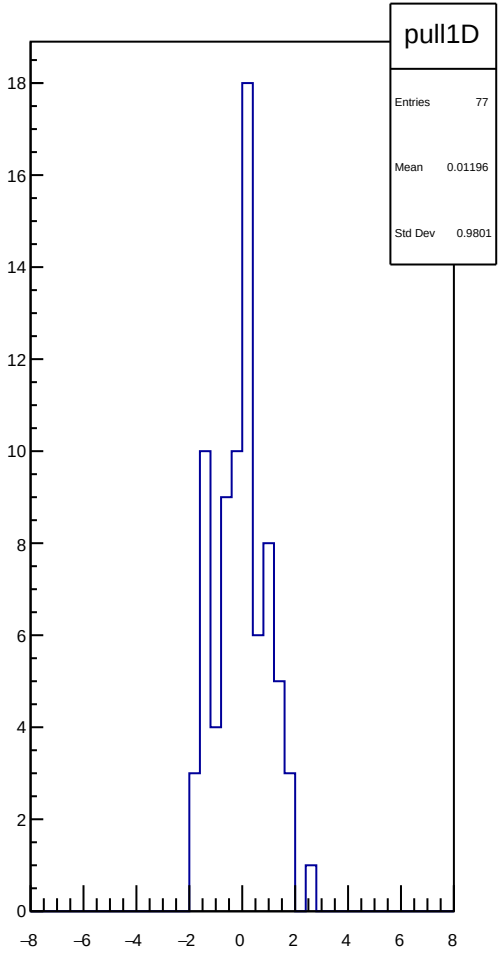

diff_bpm14X_rms vs run
χ² / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

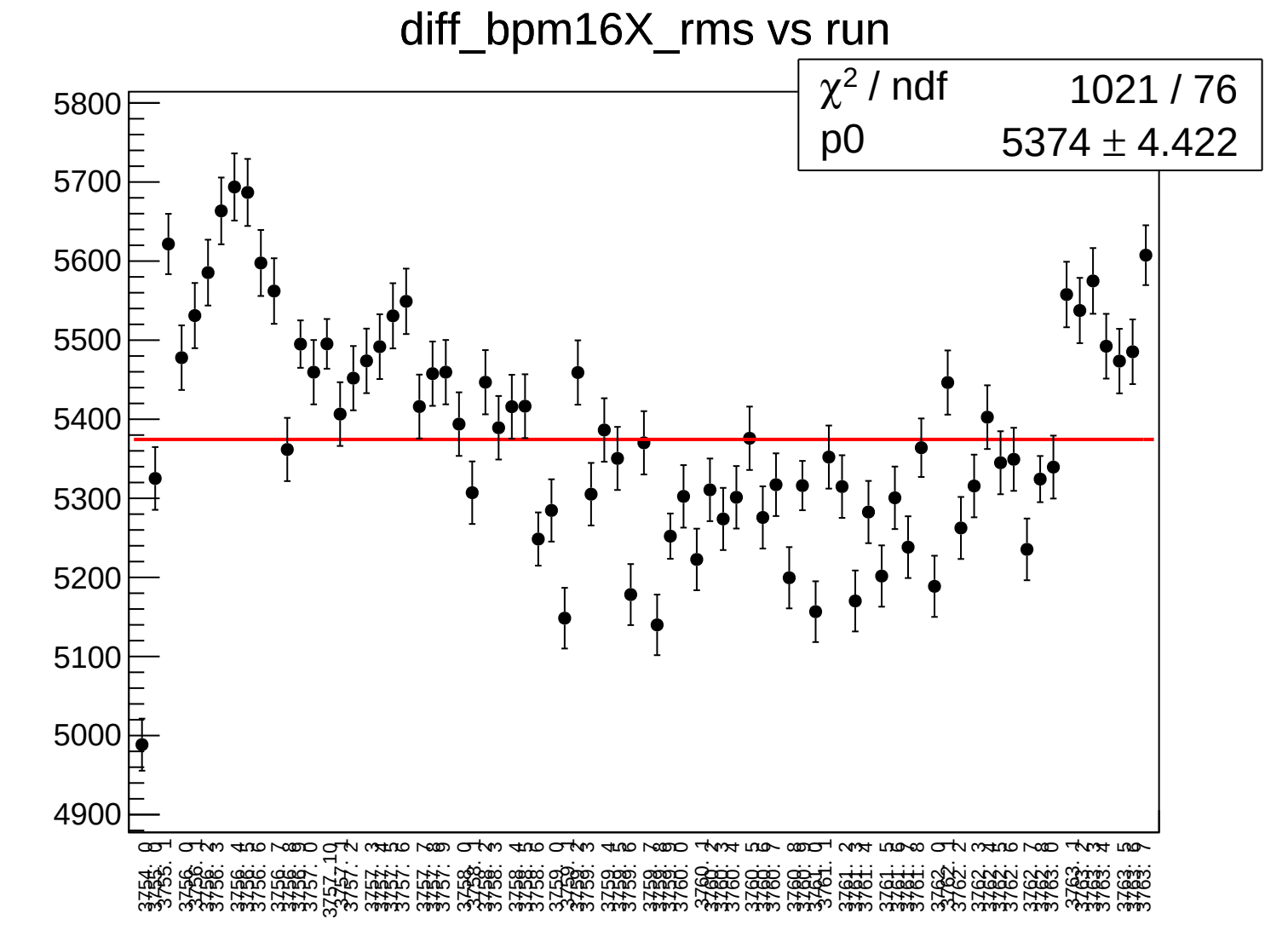

diff_bpm14Y_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

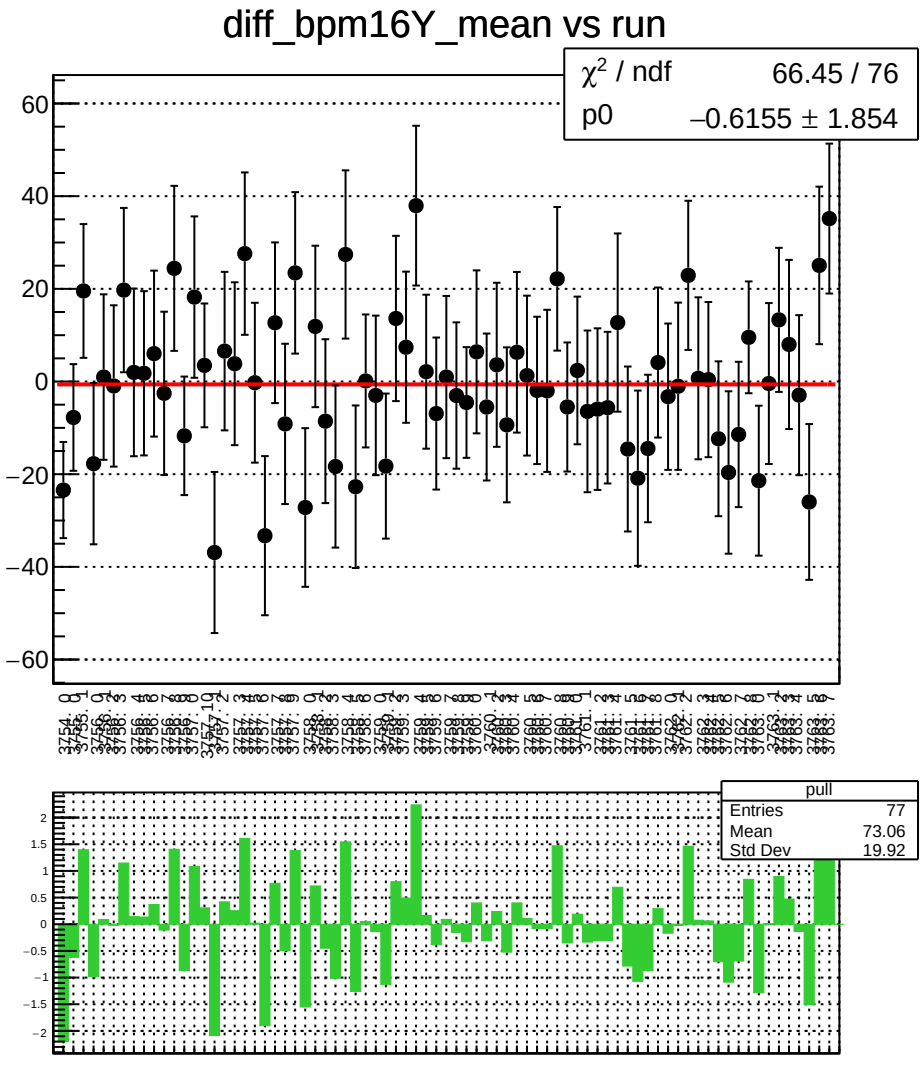

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

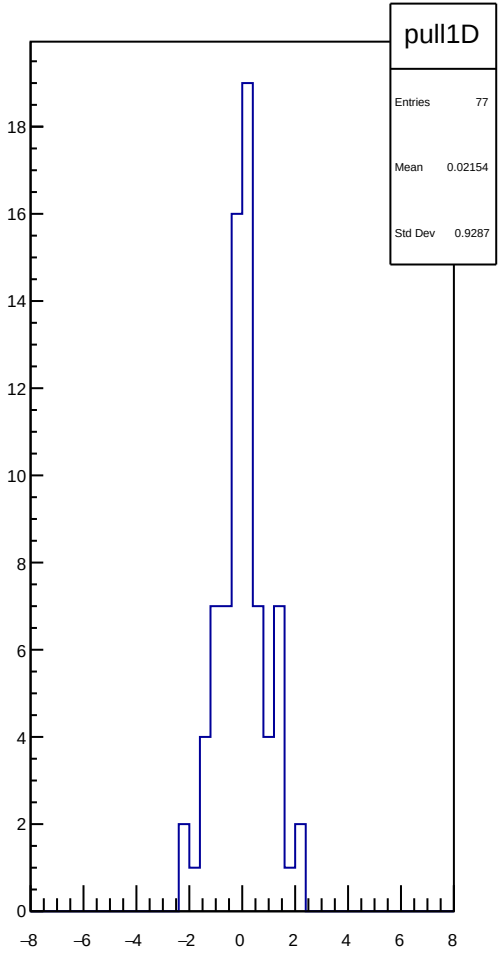

diff_bpm14Y_rms vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

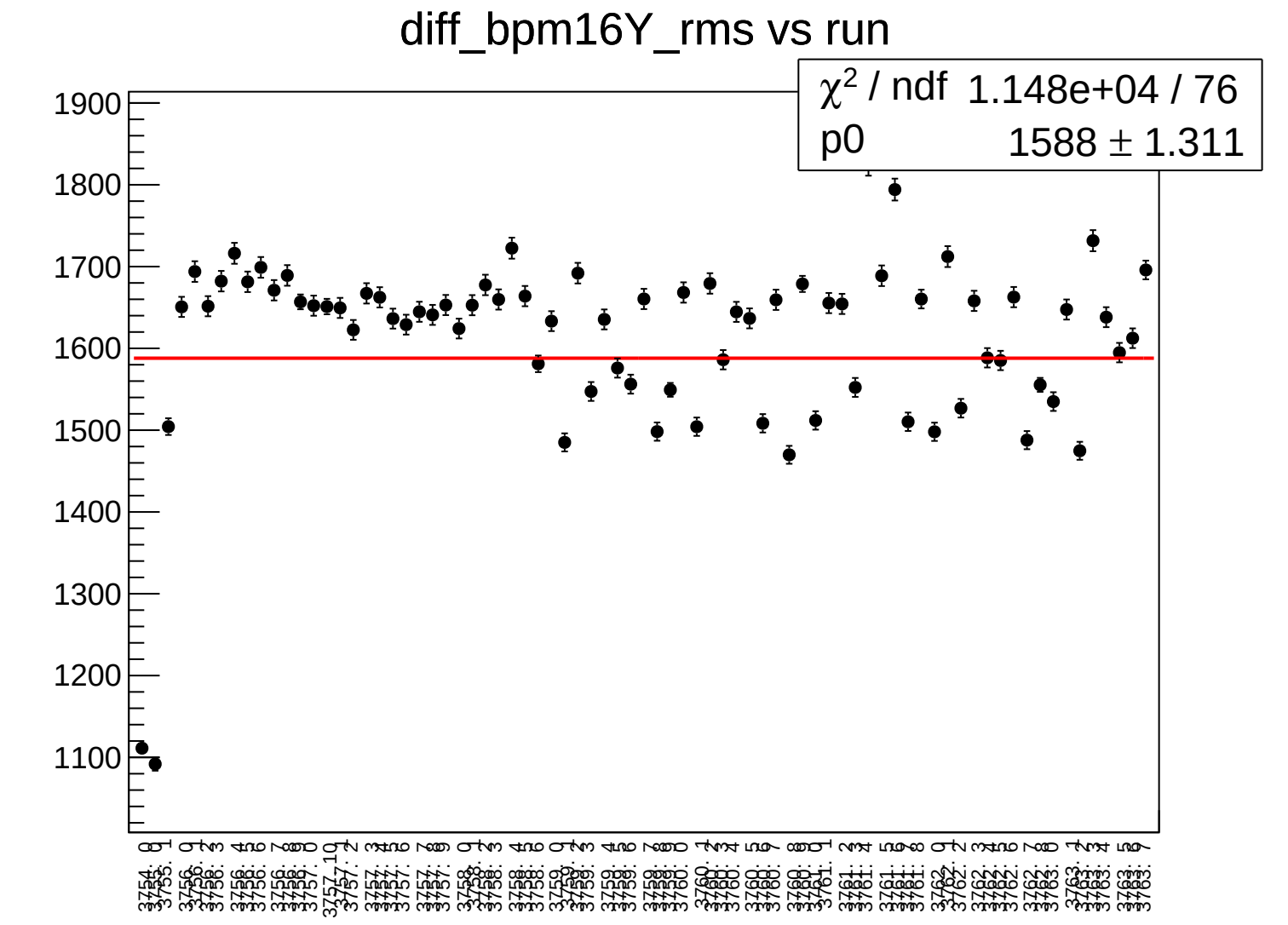

diff_bpm16X_mean vs run
χ² / ndf 73.98 / 76
p0 6.148 ± 6.254
pull
Entries 77
Mean −11.5
Std Dev 76.87

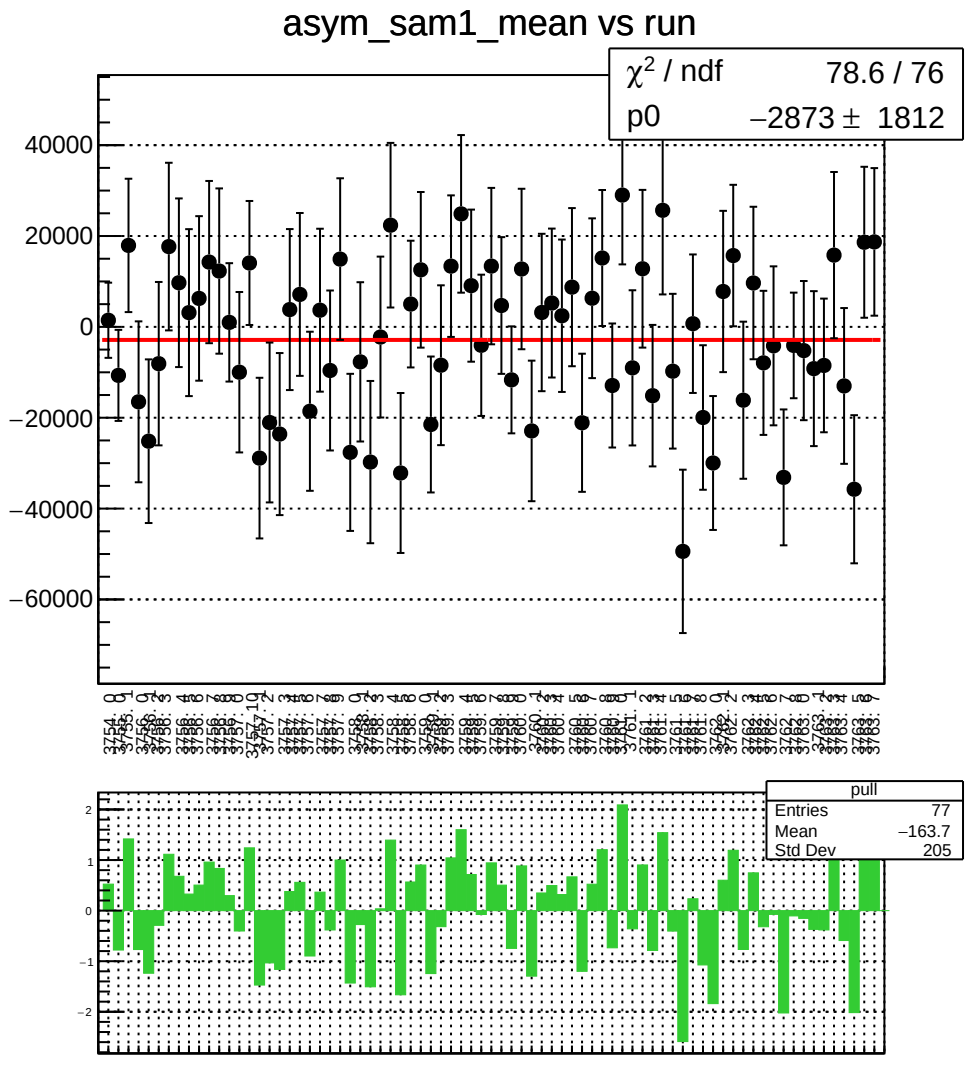

pull1D
Entries 77
Mean 0.01196
Std Dev 0.9801

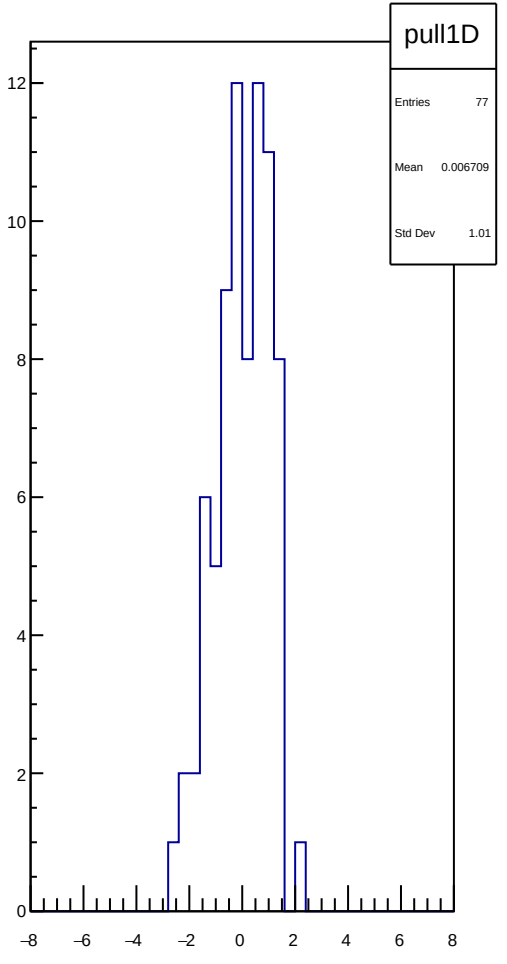

diff_bpm16X_rms vs run
χ^2 / ndf 1021 / 76
p0 5374 ± 4.422
5800
5700
5600
5500
5400
5300
5200
5100
5000
4900

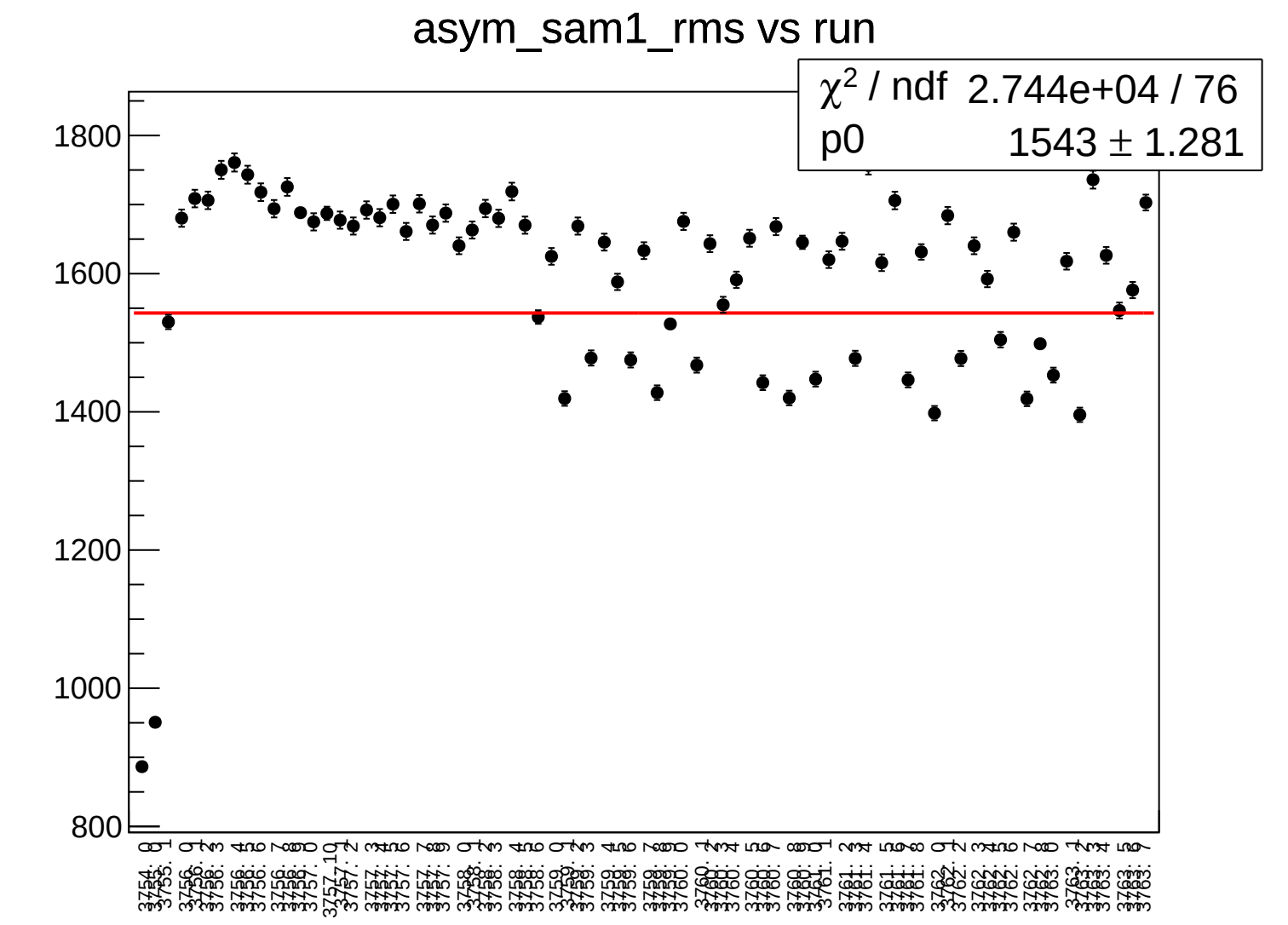

diff_bpm16Y_mean vs run
χ² / ndf 66.45 / 76
p0 −0.6155 ± 1.854
pull
Entries 77
Mean 73.06
Std Dev 19.92

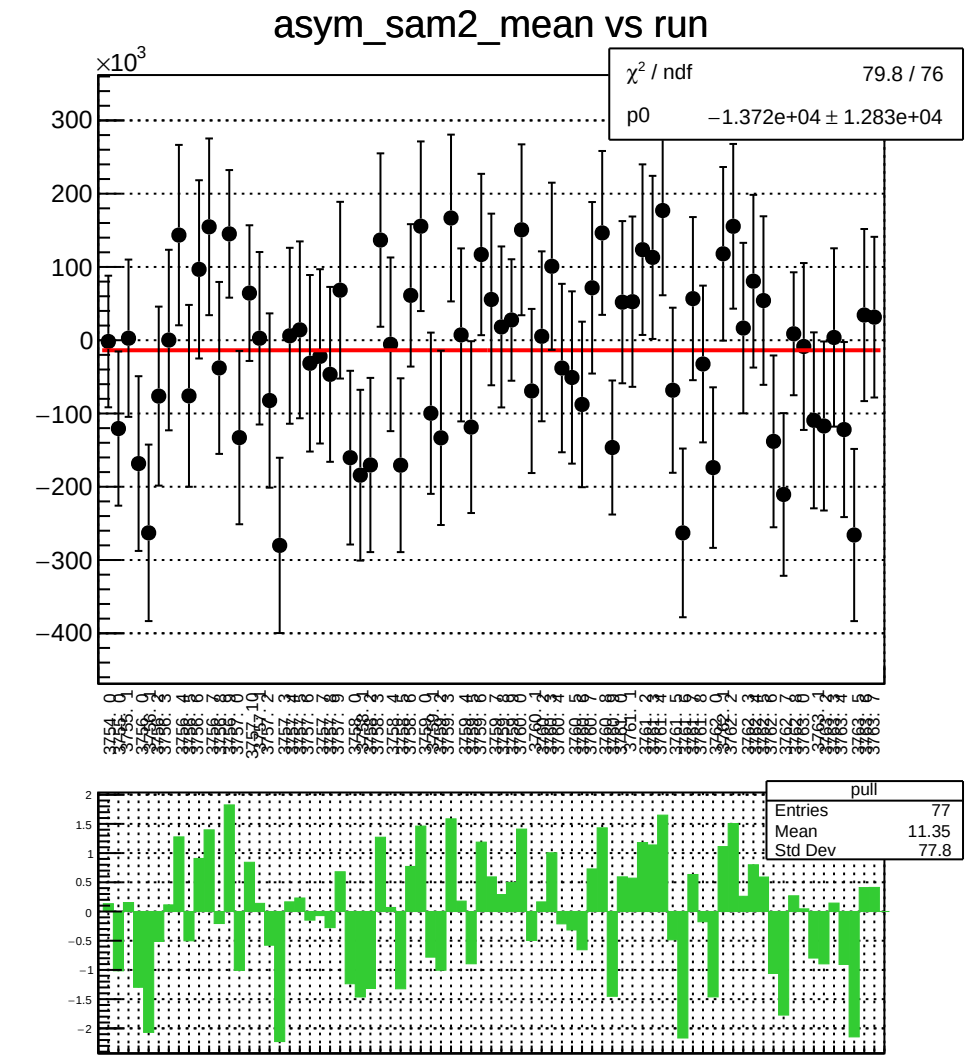

pull1D
Entries 77
Mean 0.02154
Std Dev 0.9287

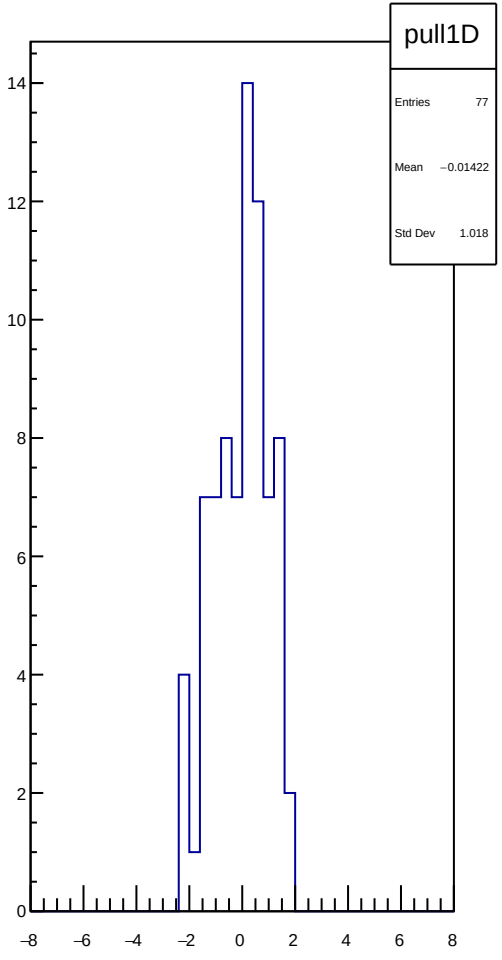

diff_bpm16Y_rms vs run
χ² / ndf 1.148e+04 / 76
p0 1588 ± 1.311
1900
1800
1700
1600
1500
1400
1300
1200
1100

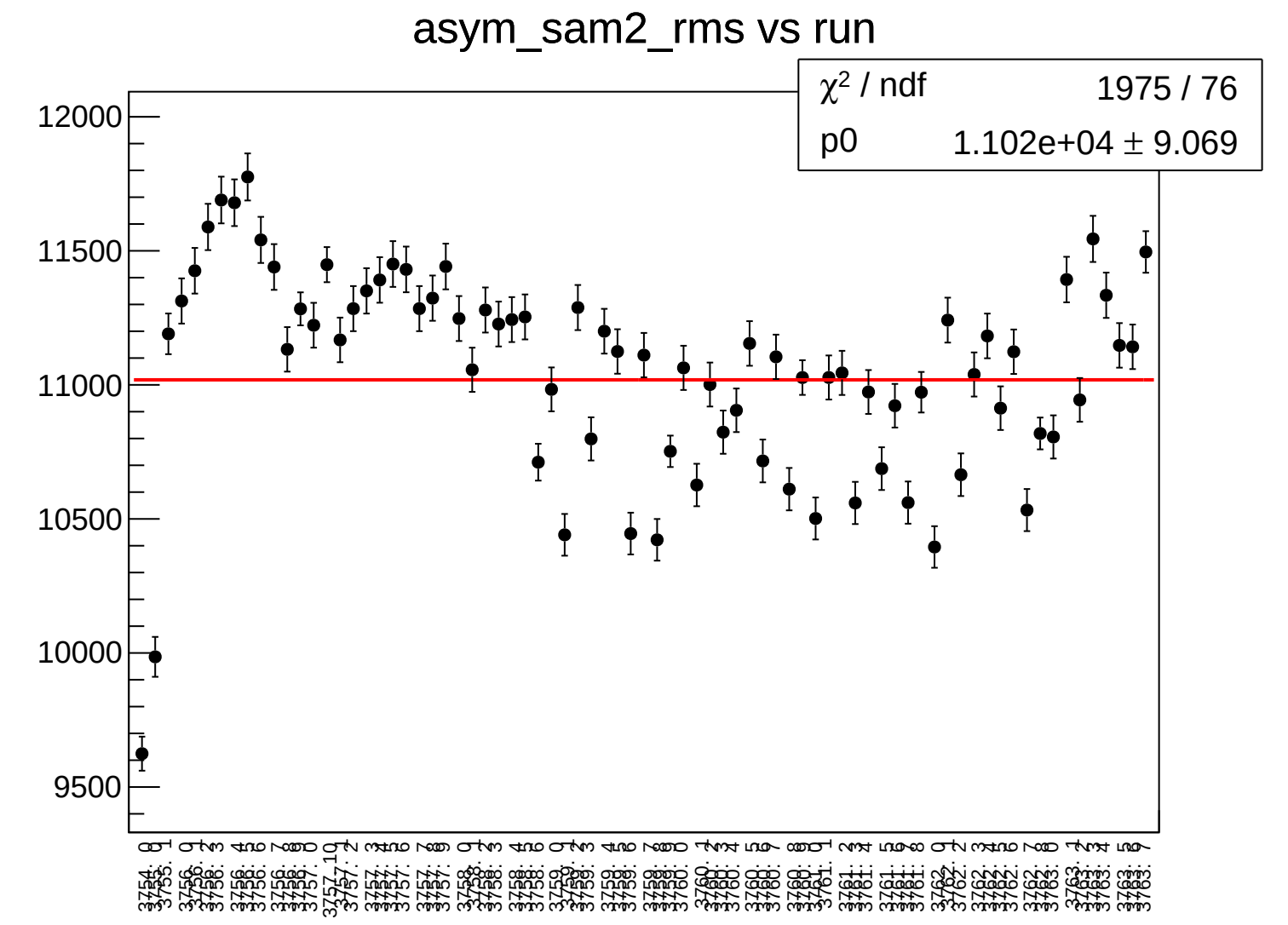

asym_sam1_mean vs run
χ² / ndf 78.6 / 76
p0 −2873 ± 1812
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean −163.7
Std Dev 205
2
1
0
−1
−2

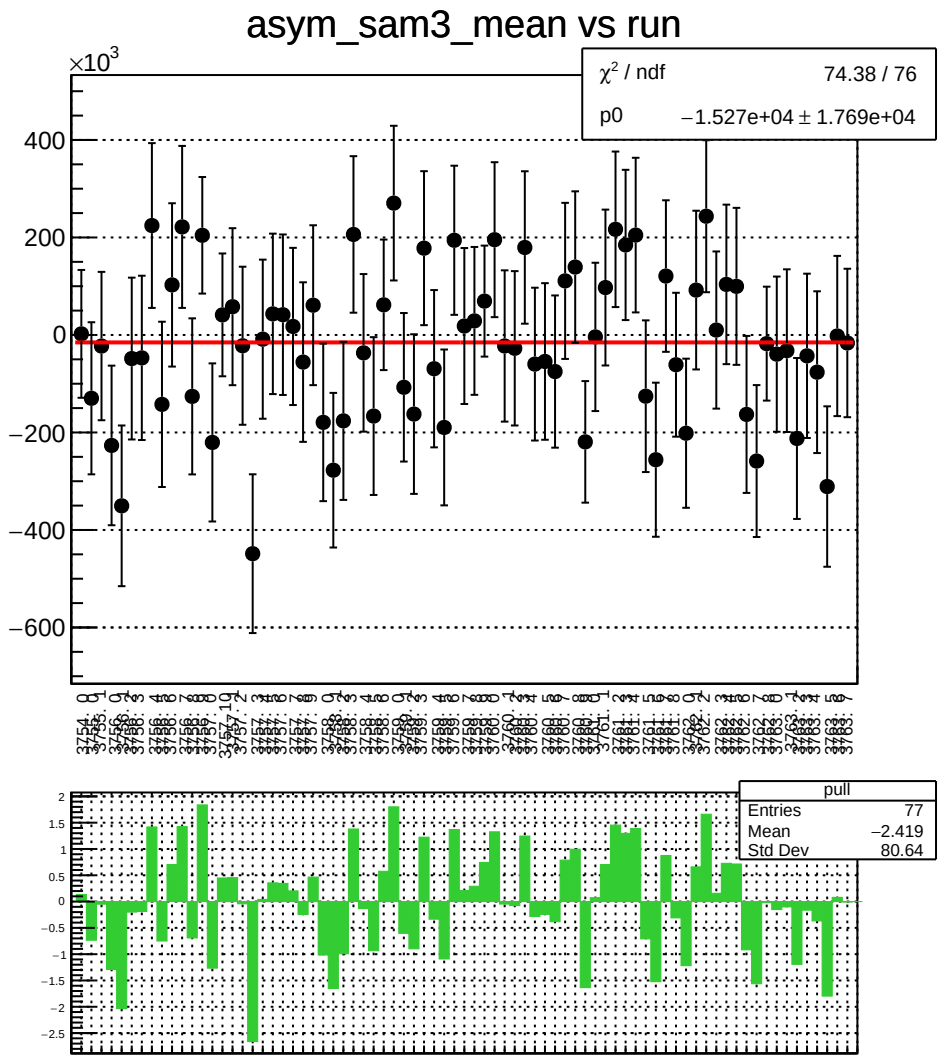

pull1D
Entries 77
Mean 0.006709
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

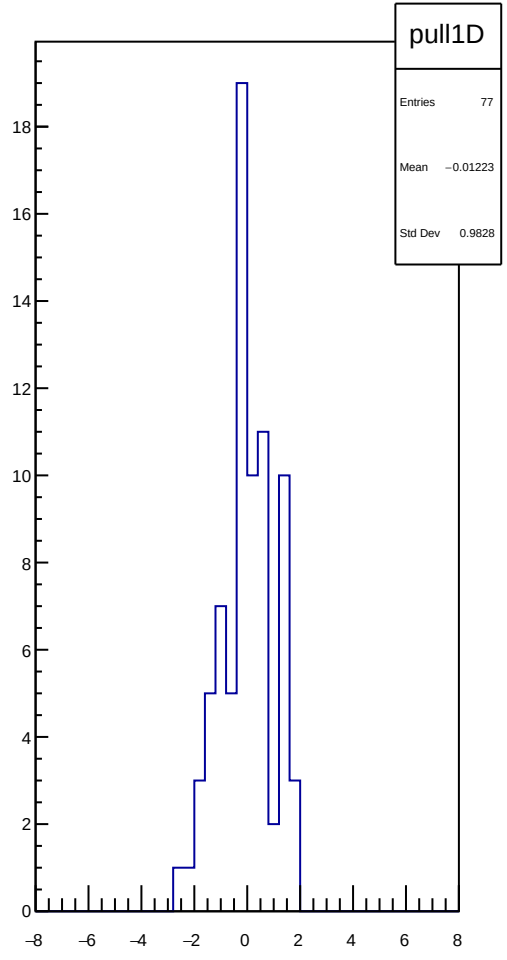

asym_sam1_rms vs run
χ² / ndf 2.744e+04 / 76
p0 1543 ± 1.281
1800
1600
1400
1200
1000
800

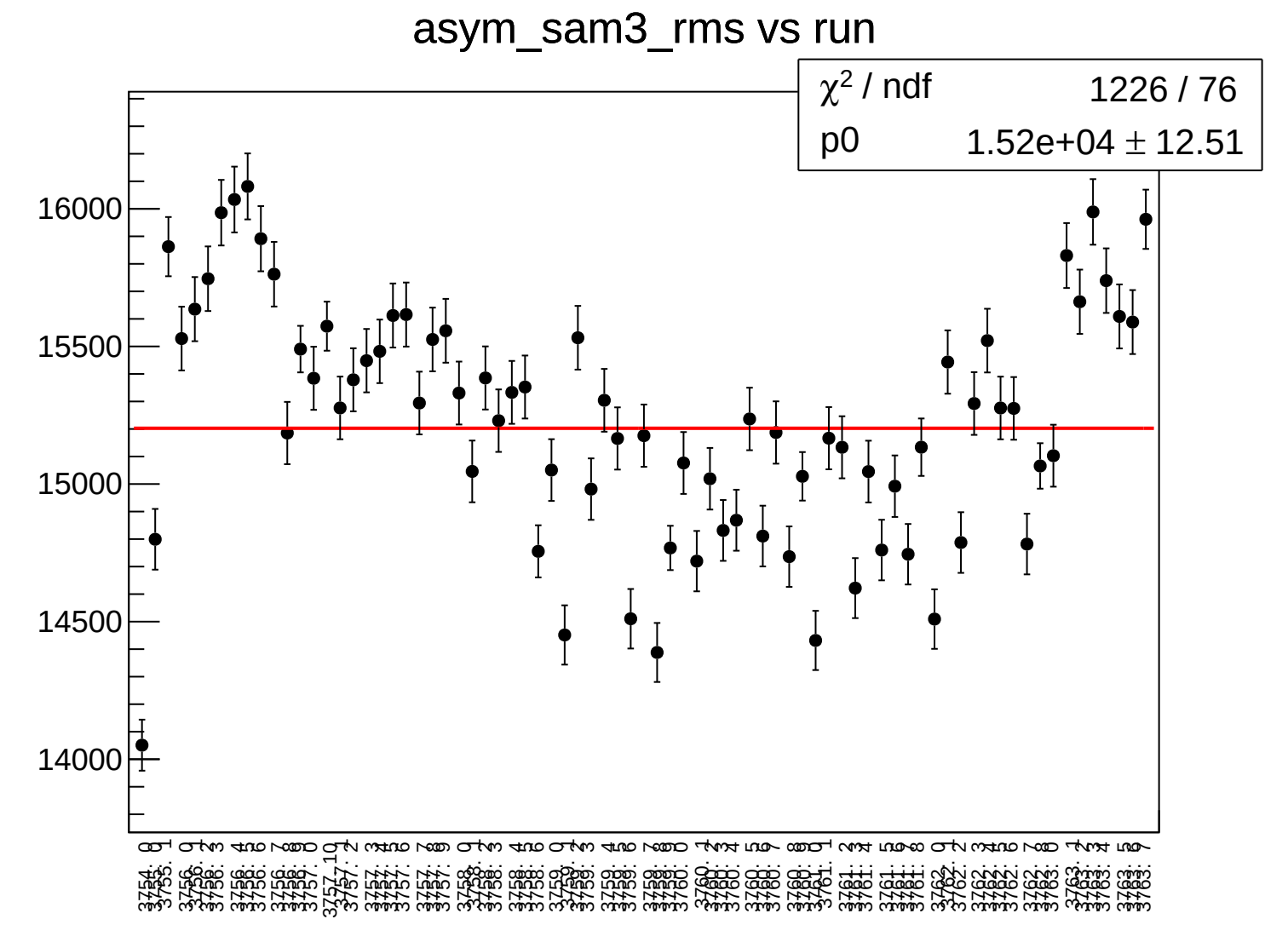

asym_sam2_mean vs run
×10^3
χ² / ndf 79.8 / 76
p0 −1.372e+04 ± 1.283e+04
pull
Entries 77
Mean 11.35
Std Dev 77.8

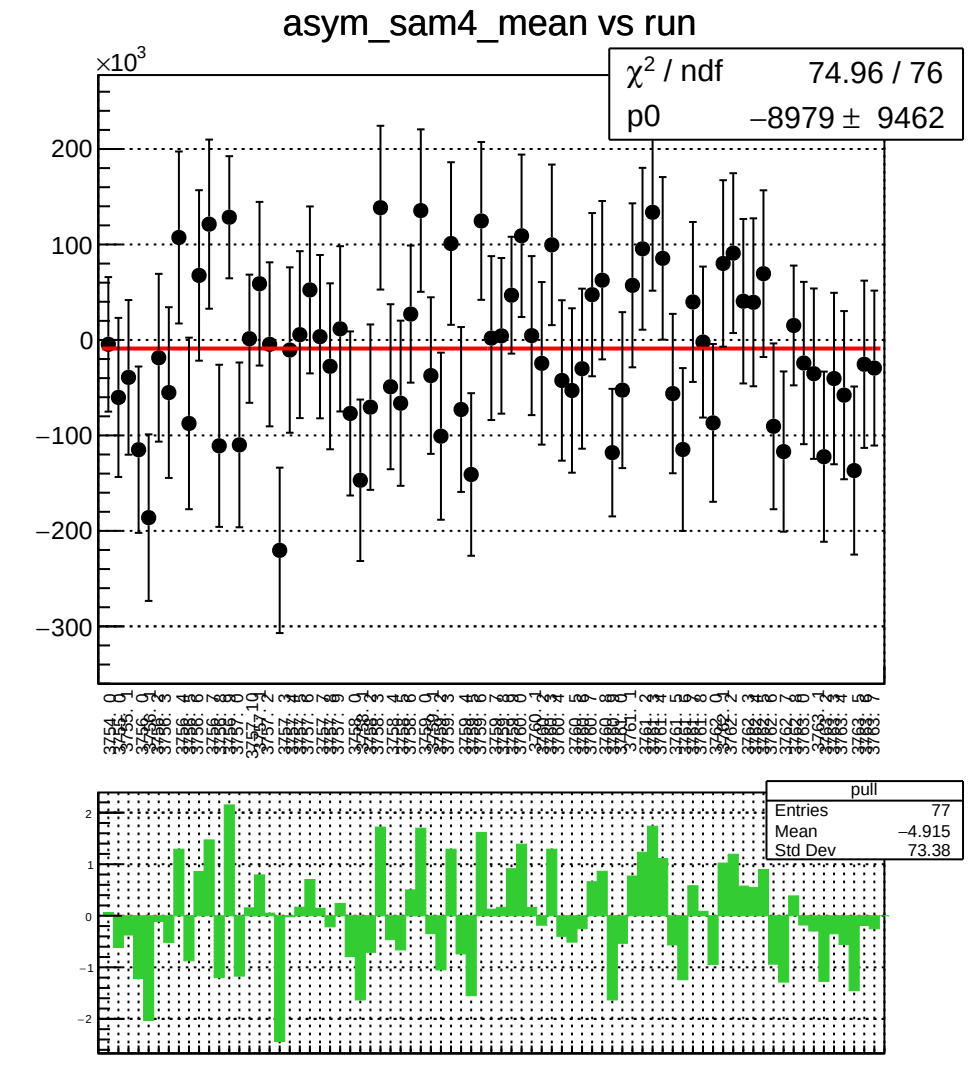

pull1D
Entries 77
Mean −0.01422
Std Dev 1.018

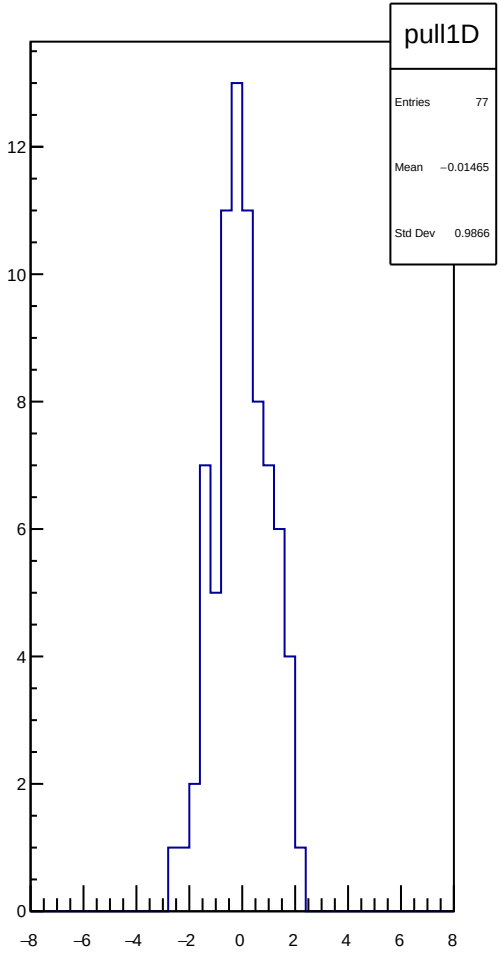

asym_sam2_rms vs run
χ² / ndf 1975 / 76
p0 1.102e+04 ± 9.069
12000
11500
11000
10500
10000
9500

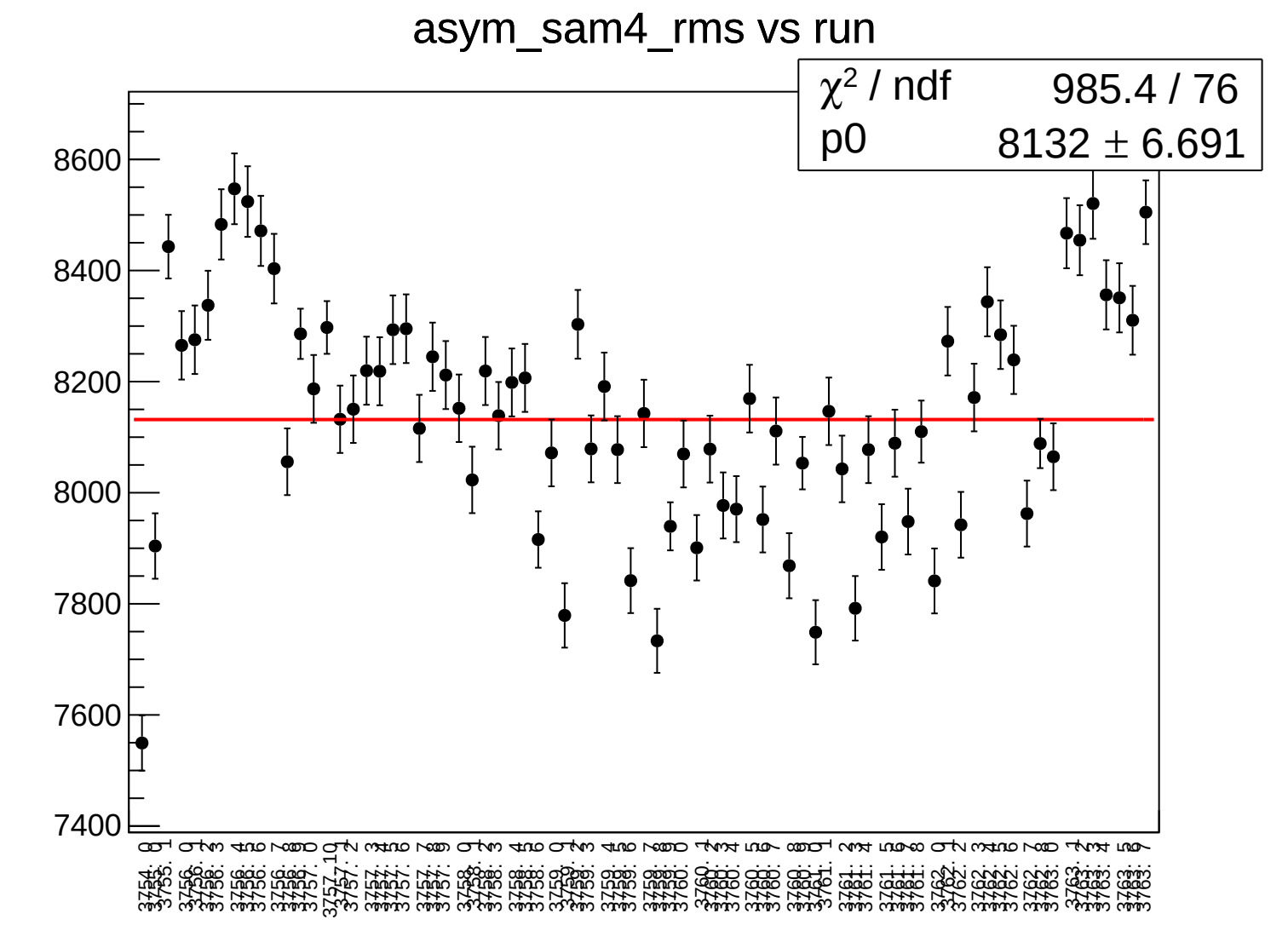

asym_sam3_mean vs run
×10^3
χ² / ndf 74.38 / 76
p0 −1.527e+04 ± 1.769e+04
400
200
0
−200
−400
−600
pull
Entries 77
Mean −2.419
Std Dev 80.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

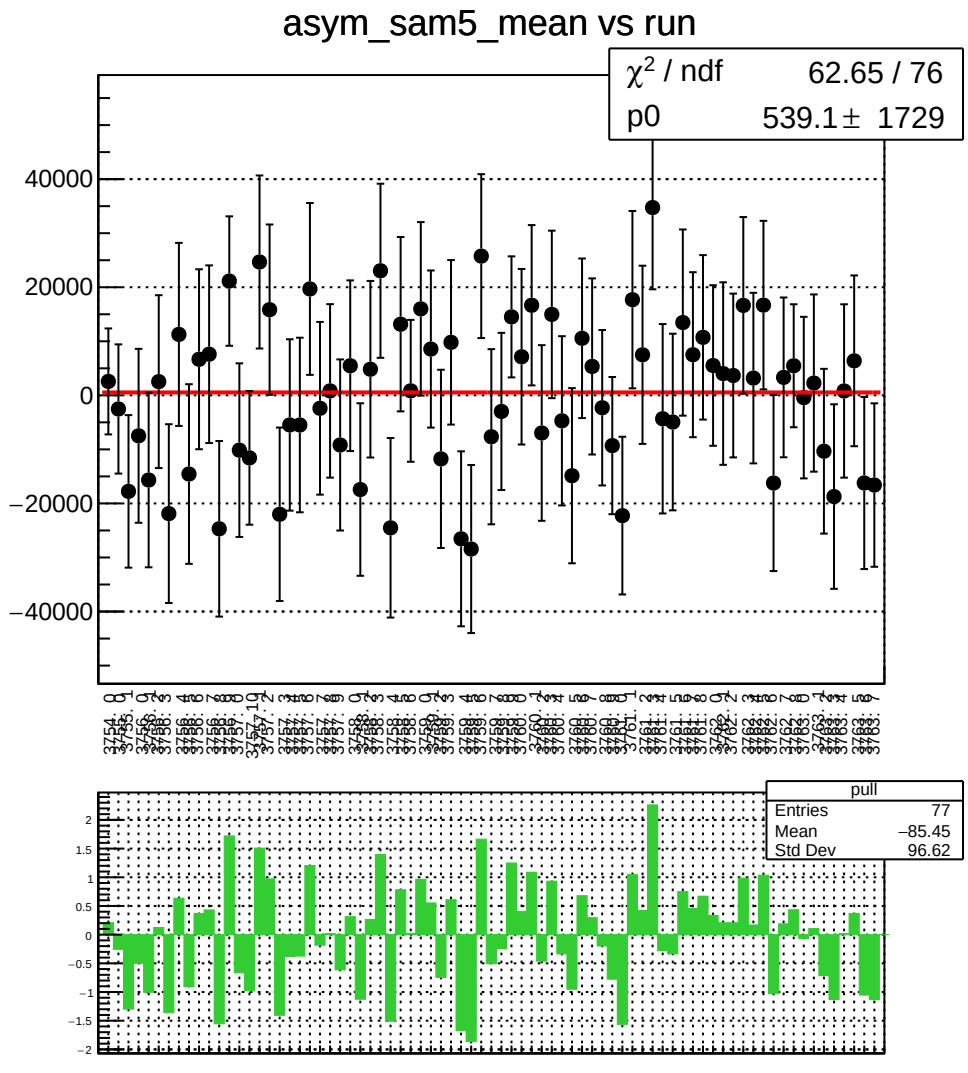

pull1D
Entries 77
Mean −0.01223
Std Dev 0.9828
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

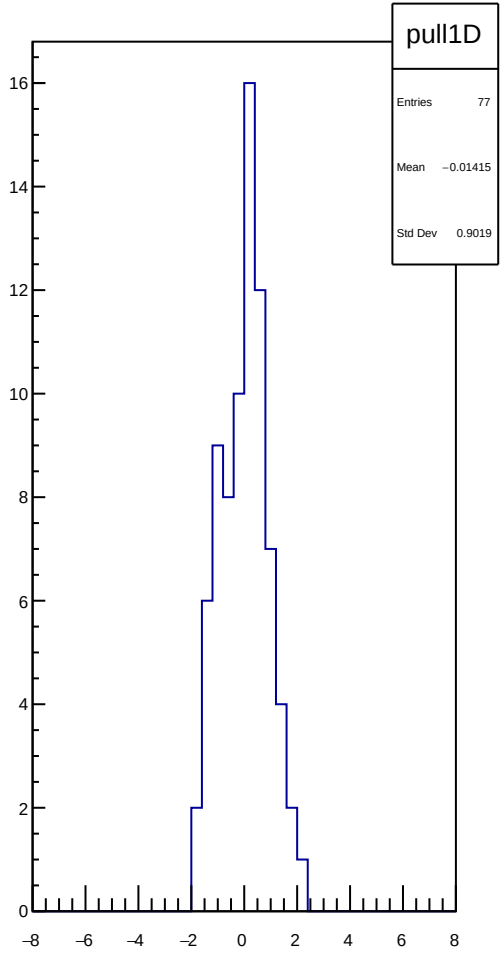

asym_sam3_rms vs run
χ^2 / ndf 1226 / 76
p0 1.52e+04 ± 12.51
16000
15500
15000
14500
14000

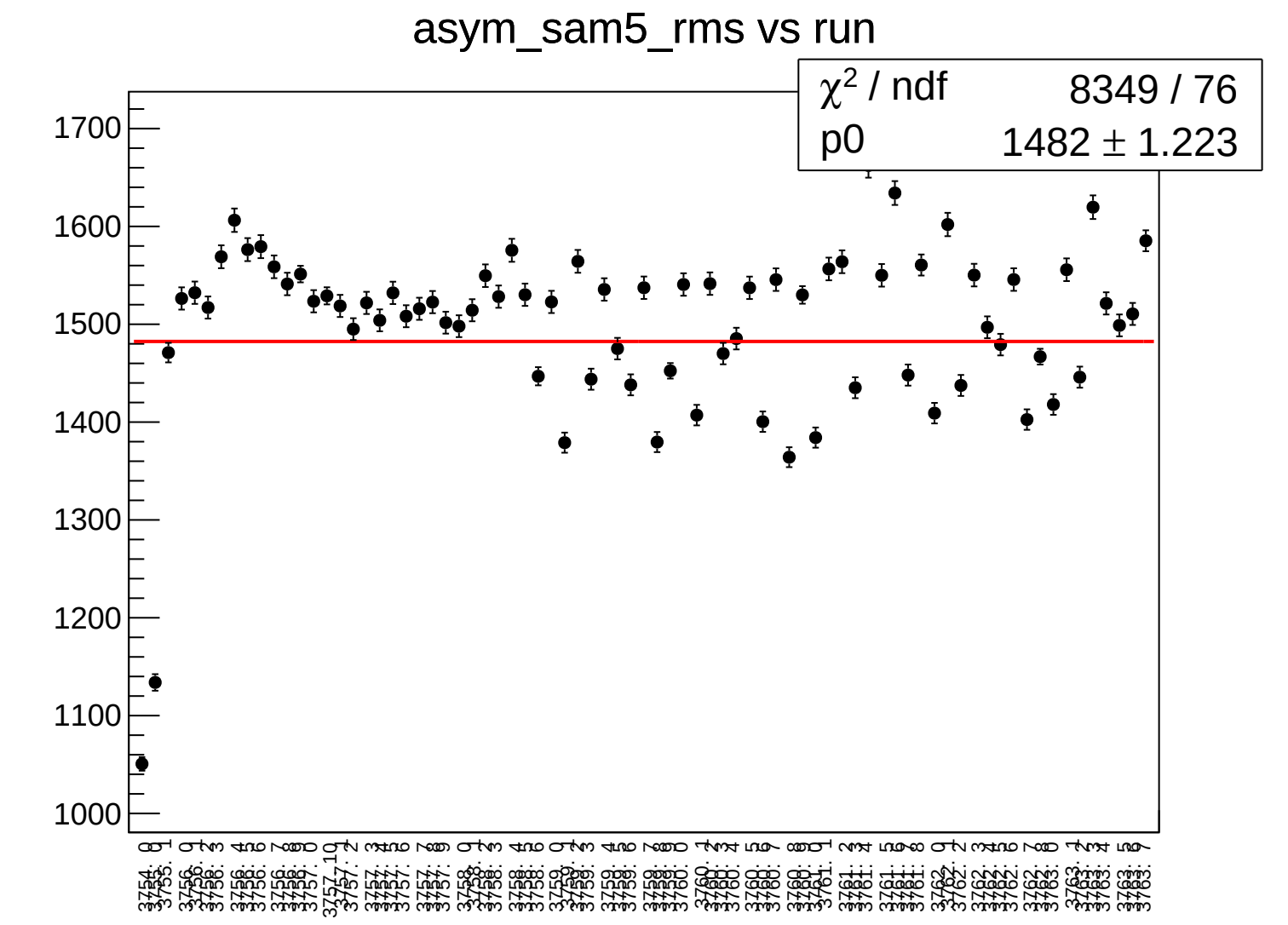

asym_sam4_mean vs run
×10^3
χ² / ndf 74.96 / 76
p0 −8979 ± 9462
200
100
0
−100
−200
−300
pull
Entries 77
Mean −4.915
Std Dev 73.38
2
1
0
−1
−2

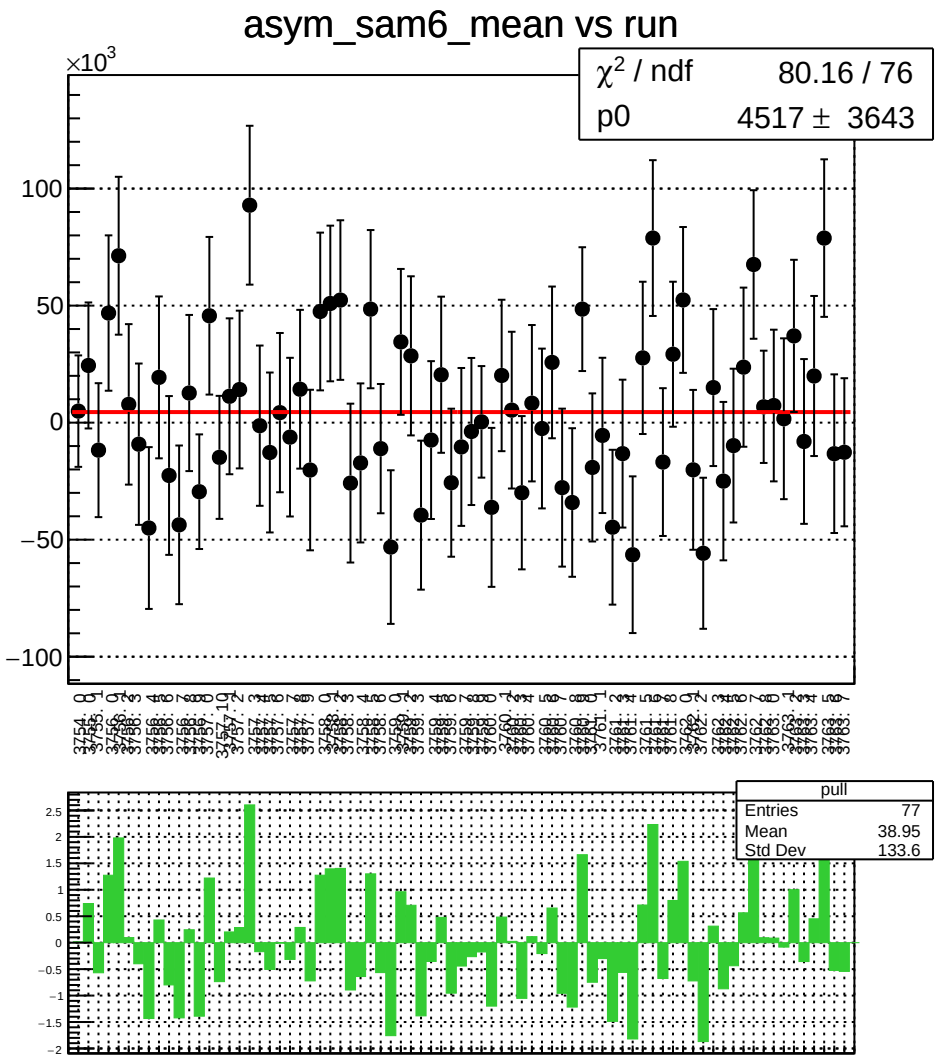

pull1D
Entries 77
Mean −0.01465
Std Dev 0.9866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

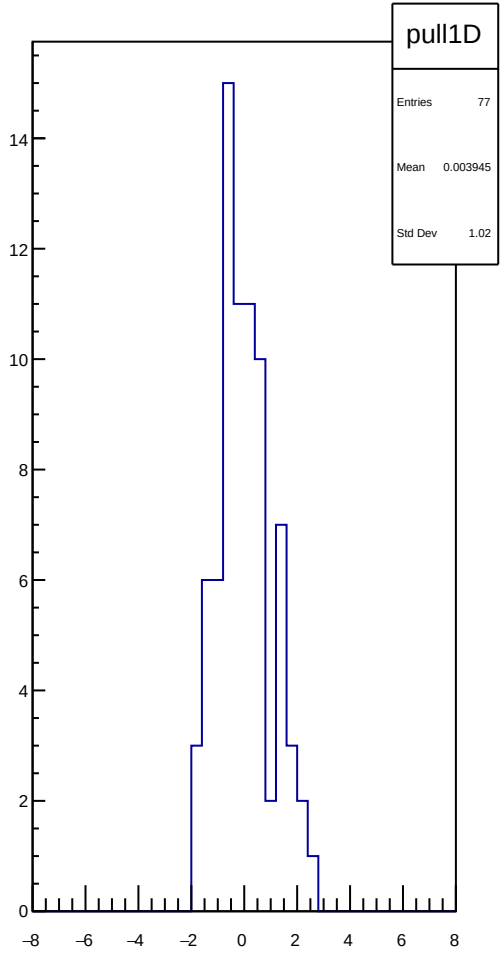

asym_sam4_rms vs run
χ² / ndf 985.4 / 76
p0 8132 ± 6.691
8600
8400
8200
8000
7800
7600
7400

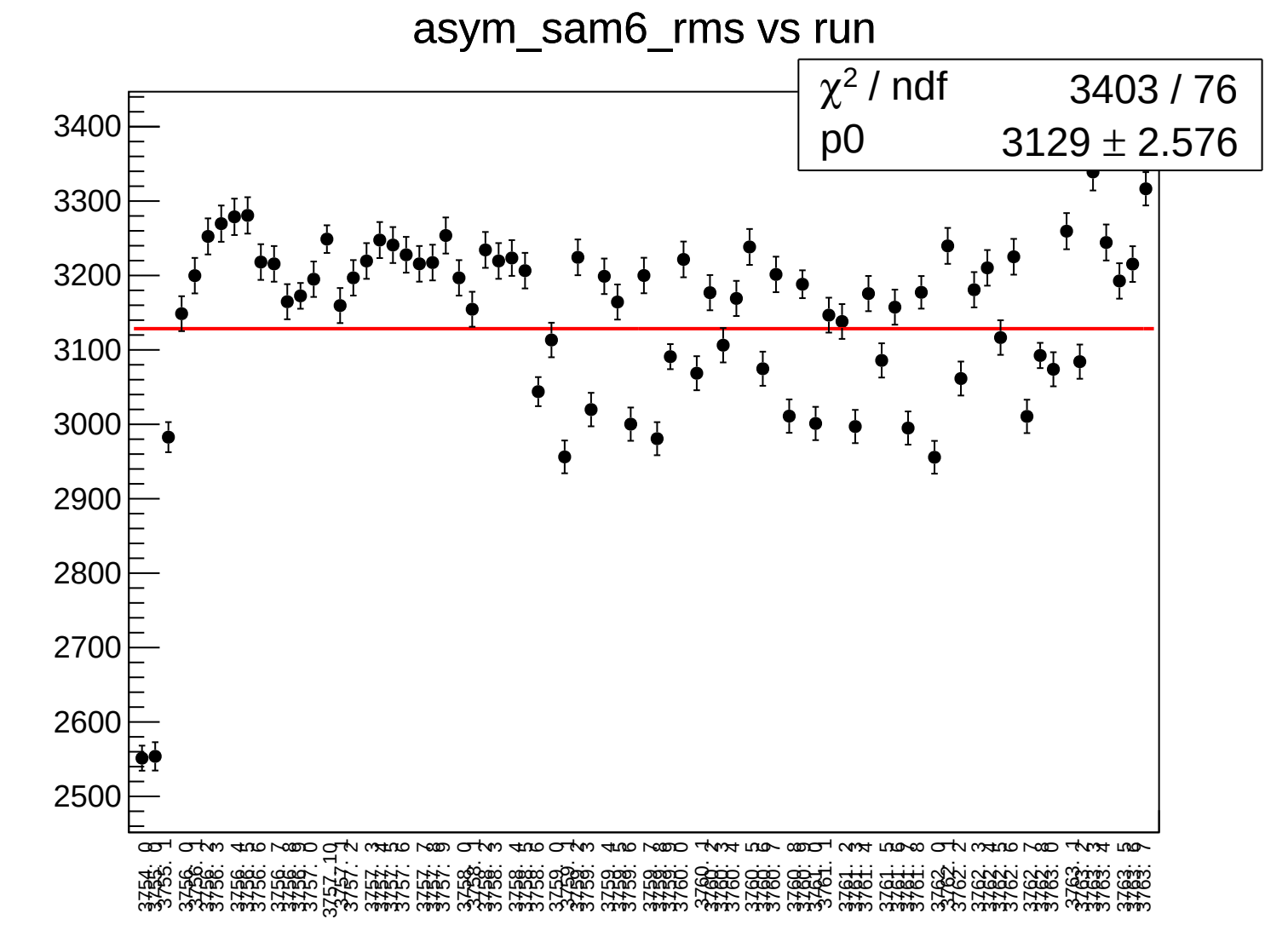

asym_sam5_mean vs run
χ² / ndf 62.65 / 76
p0 539.1± 1729
40000
20000
0
−20000
−40000
pull
Entries 77
Mean −85.45
Std Dev 96.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

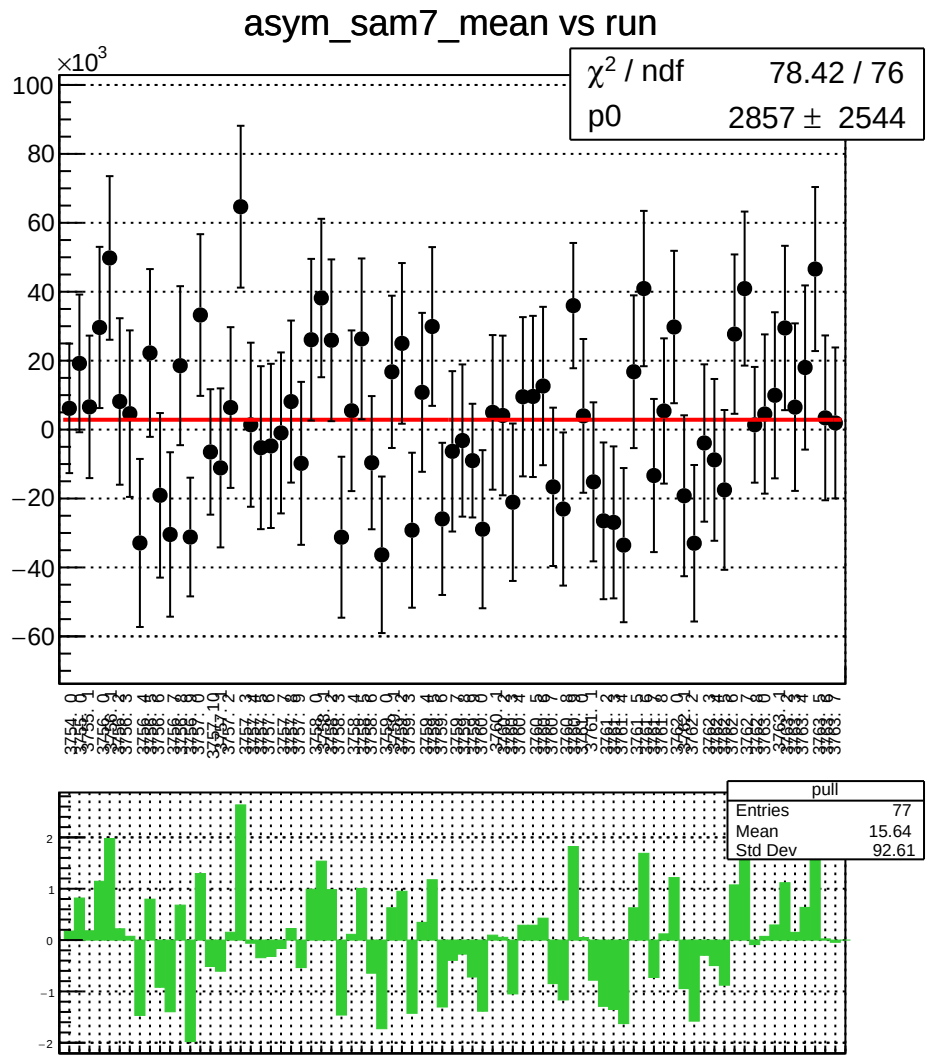

pull1D
Entries 77
Mean −0.01415
Std Dev 0.9019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

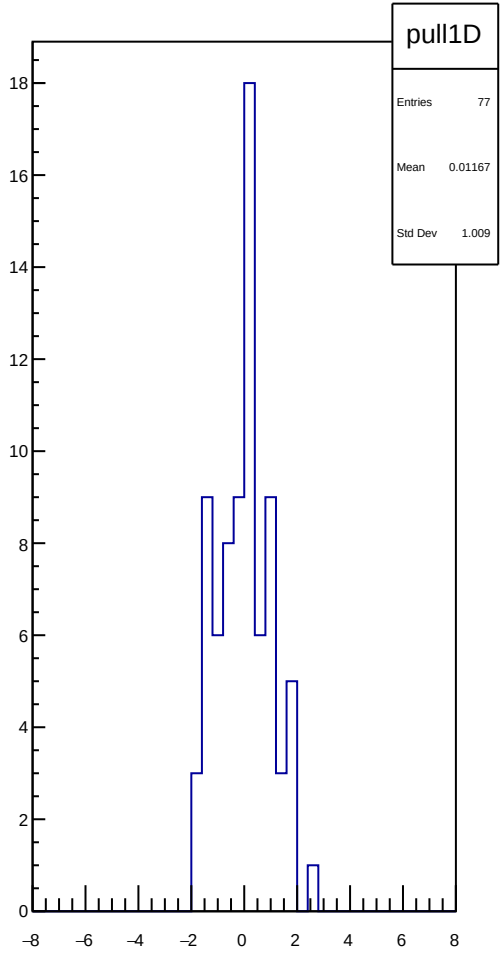

asym_sam5_rms vs run
χ² / ndf 8349 / 76
p0 1482 ± 1.223
1700
1600
1500
1400
1300
1200
1100
1000

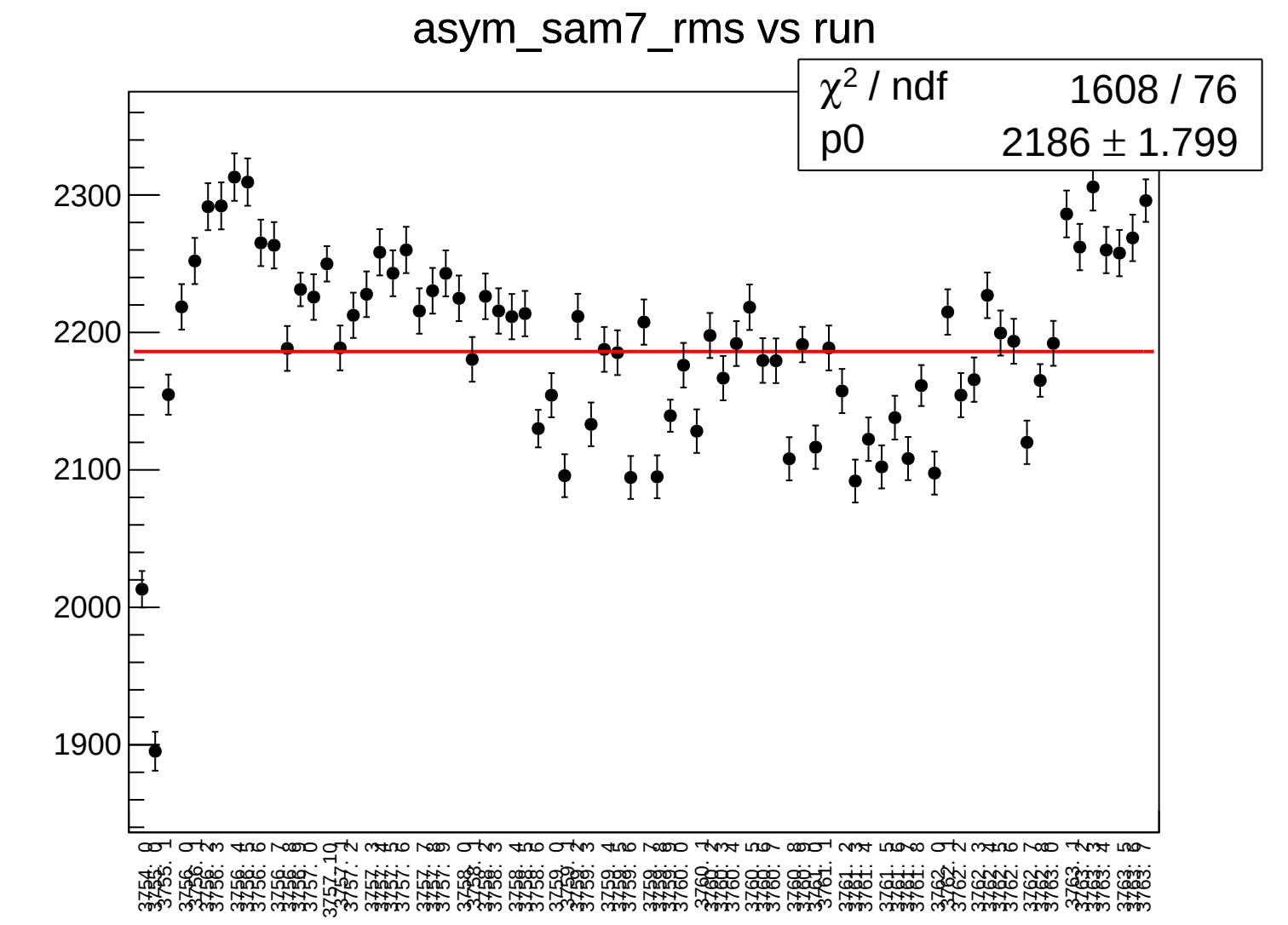

asym_sam6_mean vs run
×10^3
χ^2 / ndf 80.16 / 76
p0 4517 ± 3643
100
50
0
−50
−100
pull
Entries 77
Mean 38.95
Std Dev 133.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

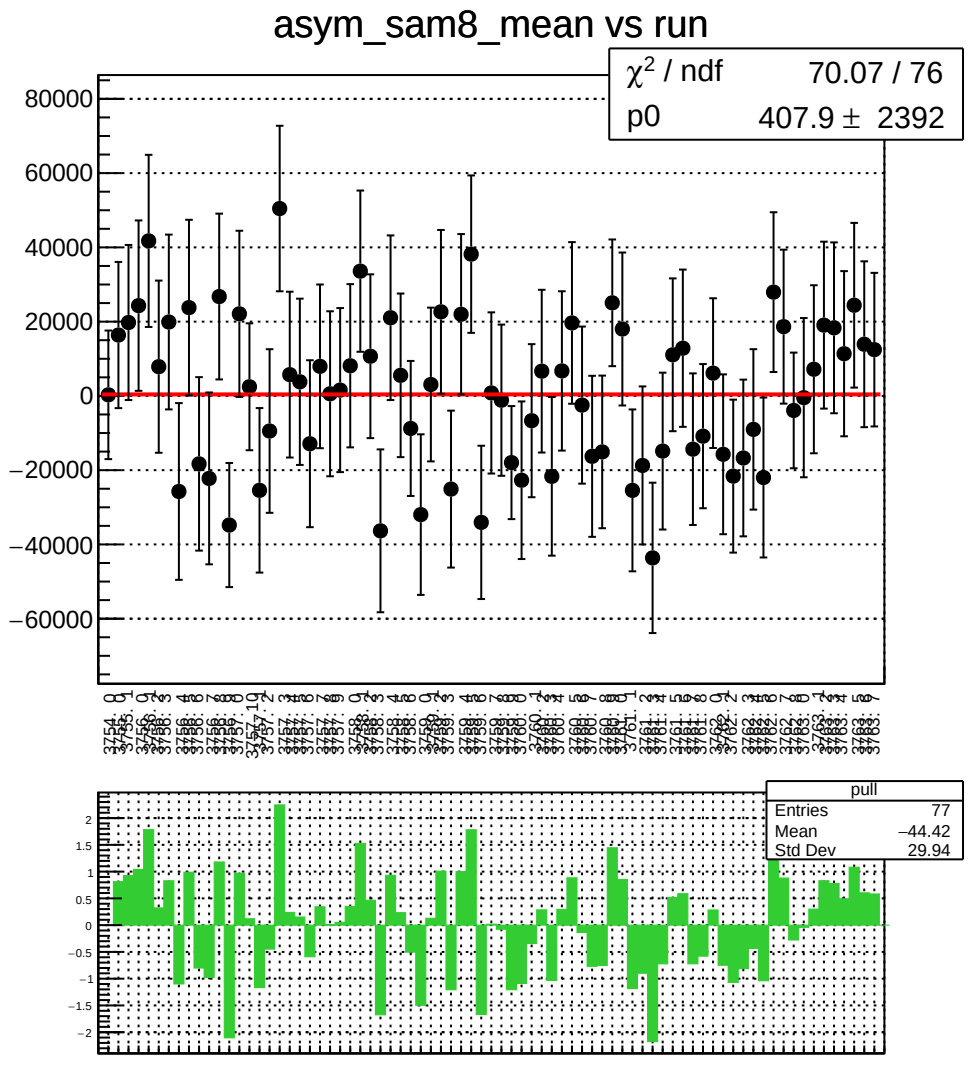

pull1D
Entries 77
Mean 0.003945
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

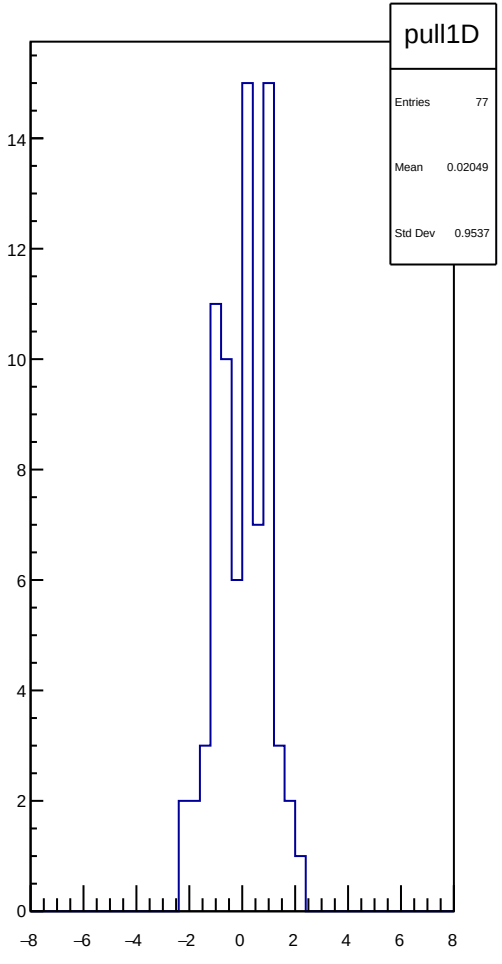

asym_sam6_rms vs run
χ^2 / ndf 3403 / 76
p0 3129 ± 2.576
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500

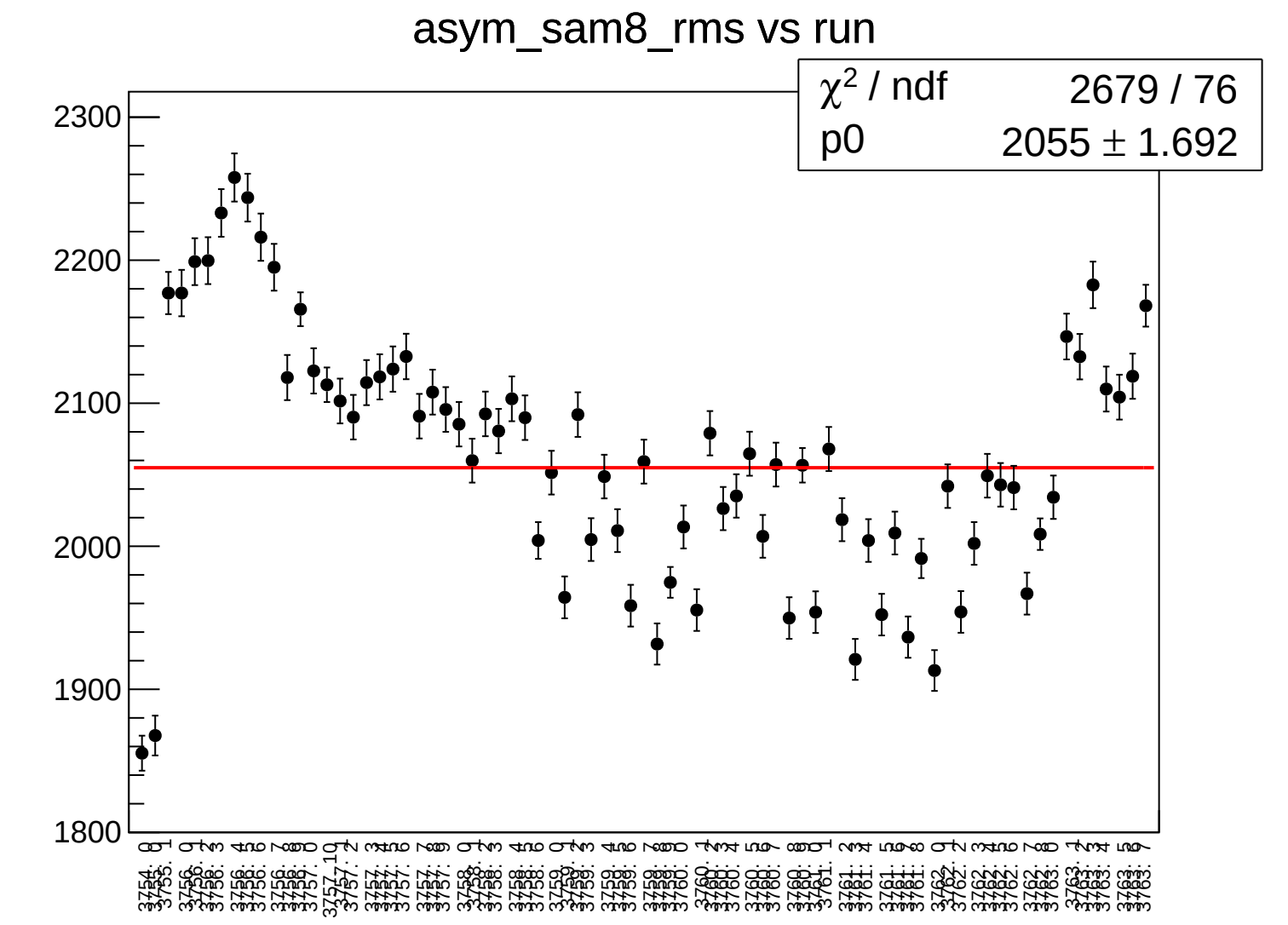

asym_sam7_mean vs run
×10^3
χ² / ndf 78.42 / 76
p0 2857 ± 2544
pull
Entries 77
Mean 15.64
Std Dev 92.61

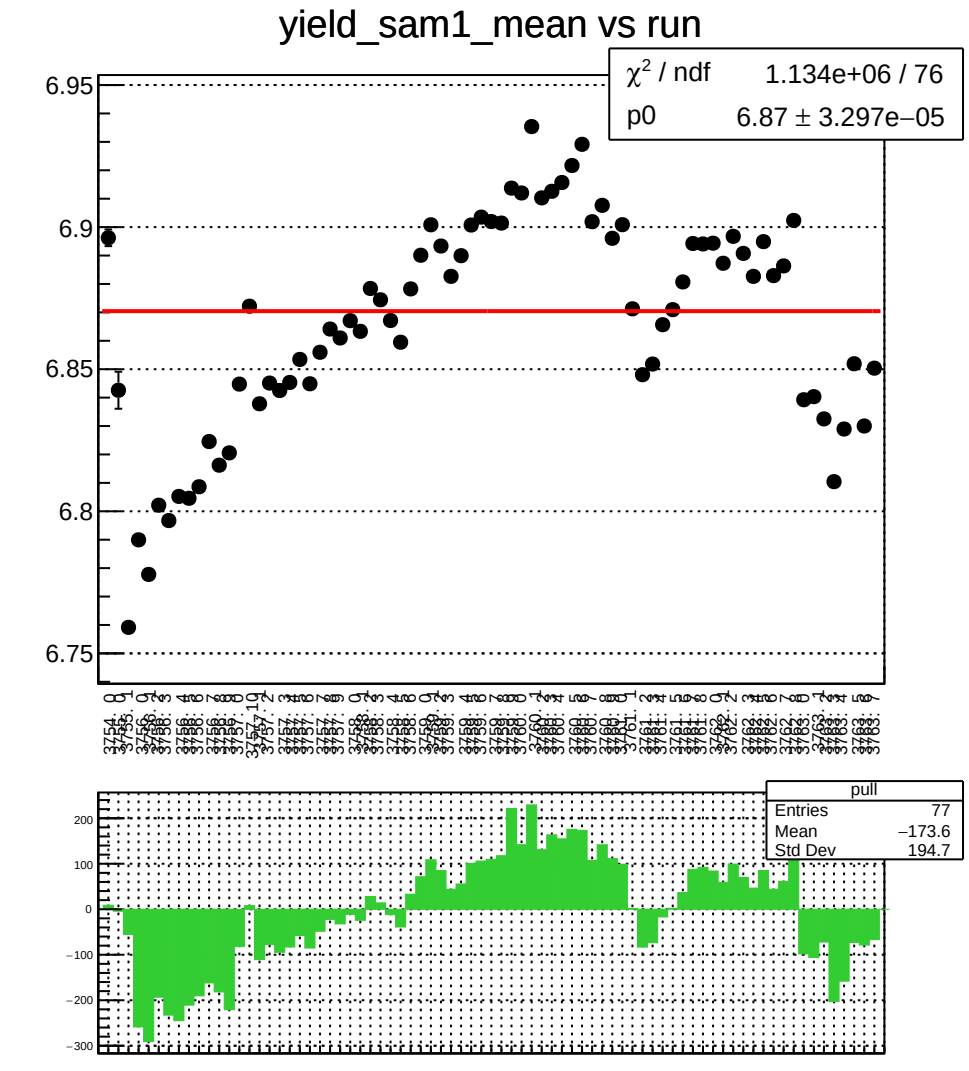

pull1D
Entries 77
Mean 0.01167
Std Dev 1.009

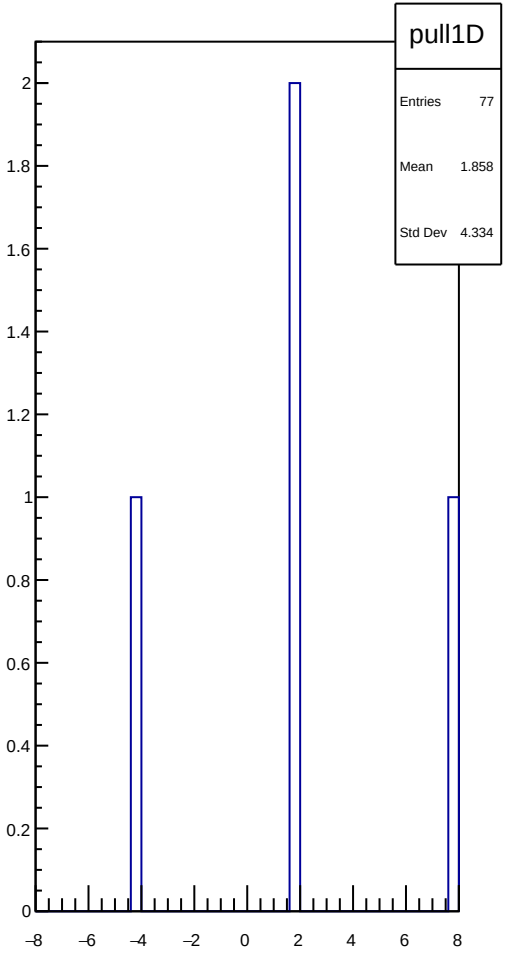

asym_sam7_rms vs run
χ² / ndf 1608 / 76
p0 2186 ± 1.799
2300
2200
2100
2000
1900

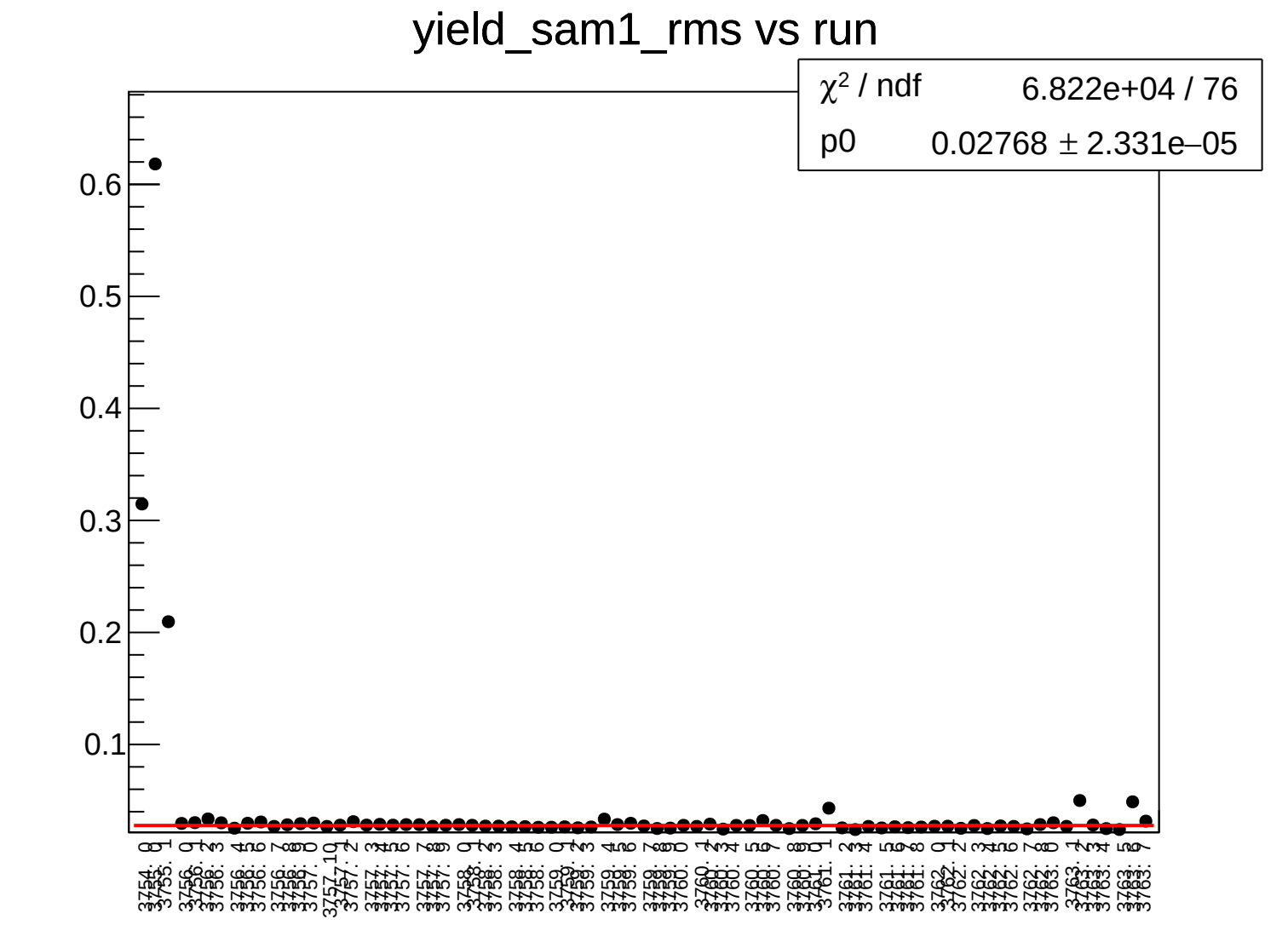

asym_sam8_mean vs run
χ² / ndf 70.07 / 76
p0 407.9 ± 2392
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean −44.42
Std Dev 29.94
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

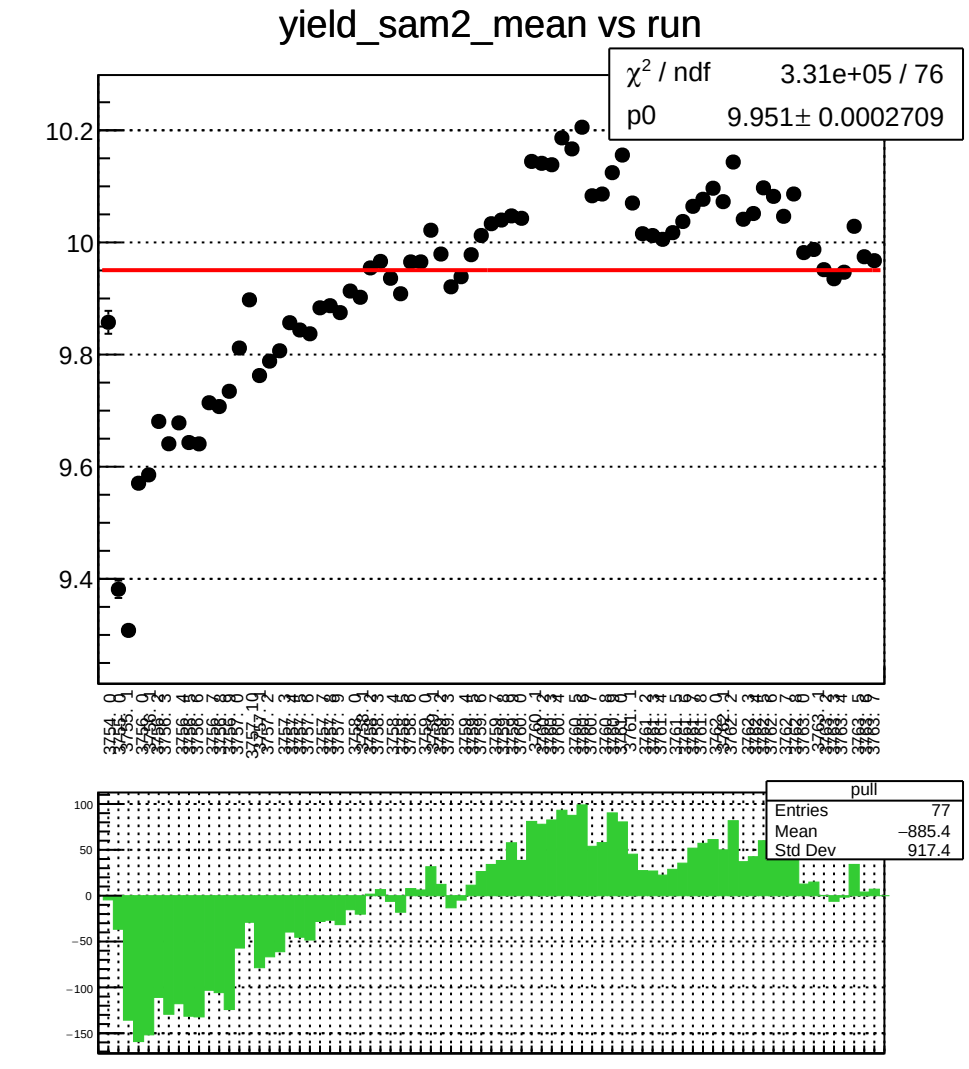

pull1D
Entries 77
Mean 0.02049
Std Dev 0.9537
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

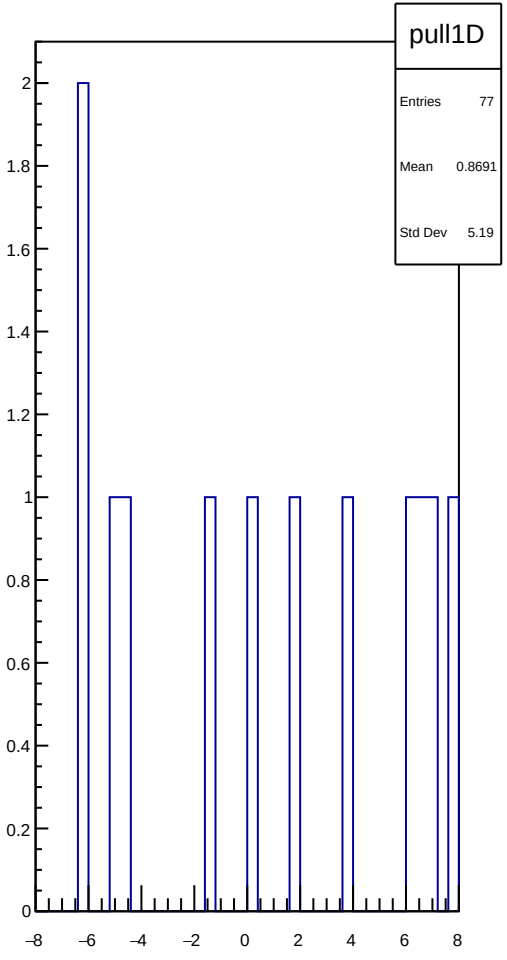

asym_sam8_rms vs run
χ² / ndf 2679 / 76
p0 2055 ± 1.692
2300
2200
2100
2000
1900
1800

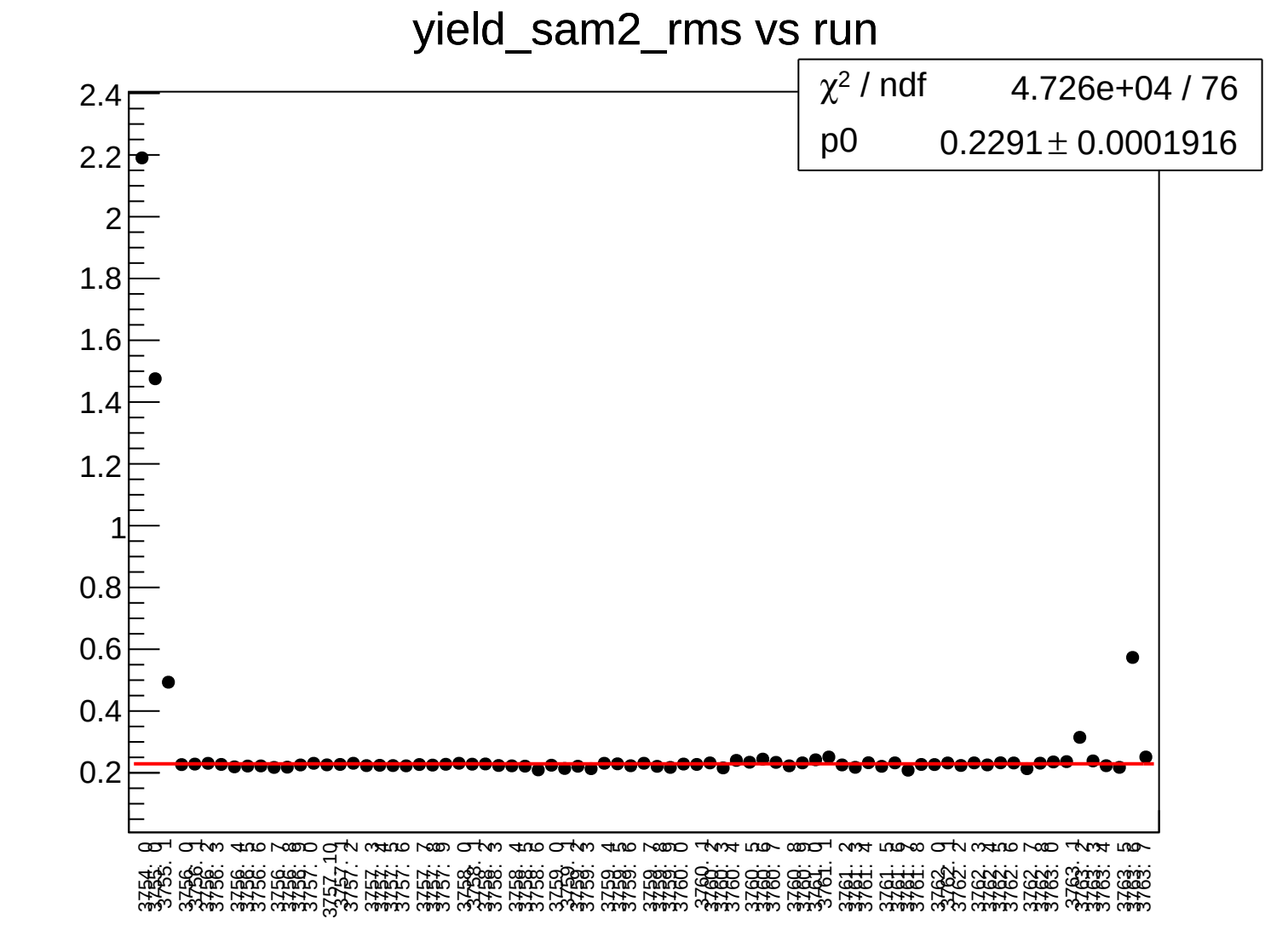

yield_sam1_mean vs run
χ² / ndf 1.134e+06 / 76
p0 6.87 ± 3.297e−05
6.95
6.9
6.85
6.8
6.75
pull
Entries 77
Mean −173.6
Std Dev 194.7
200
100
0
−100
−200
−300

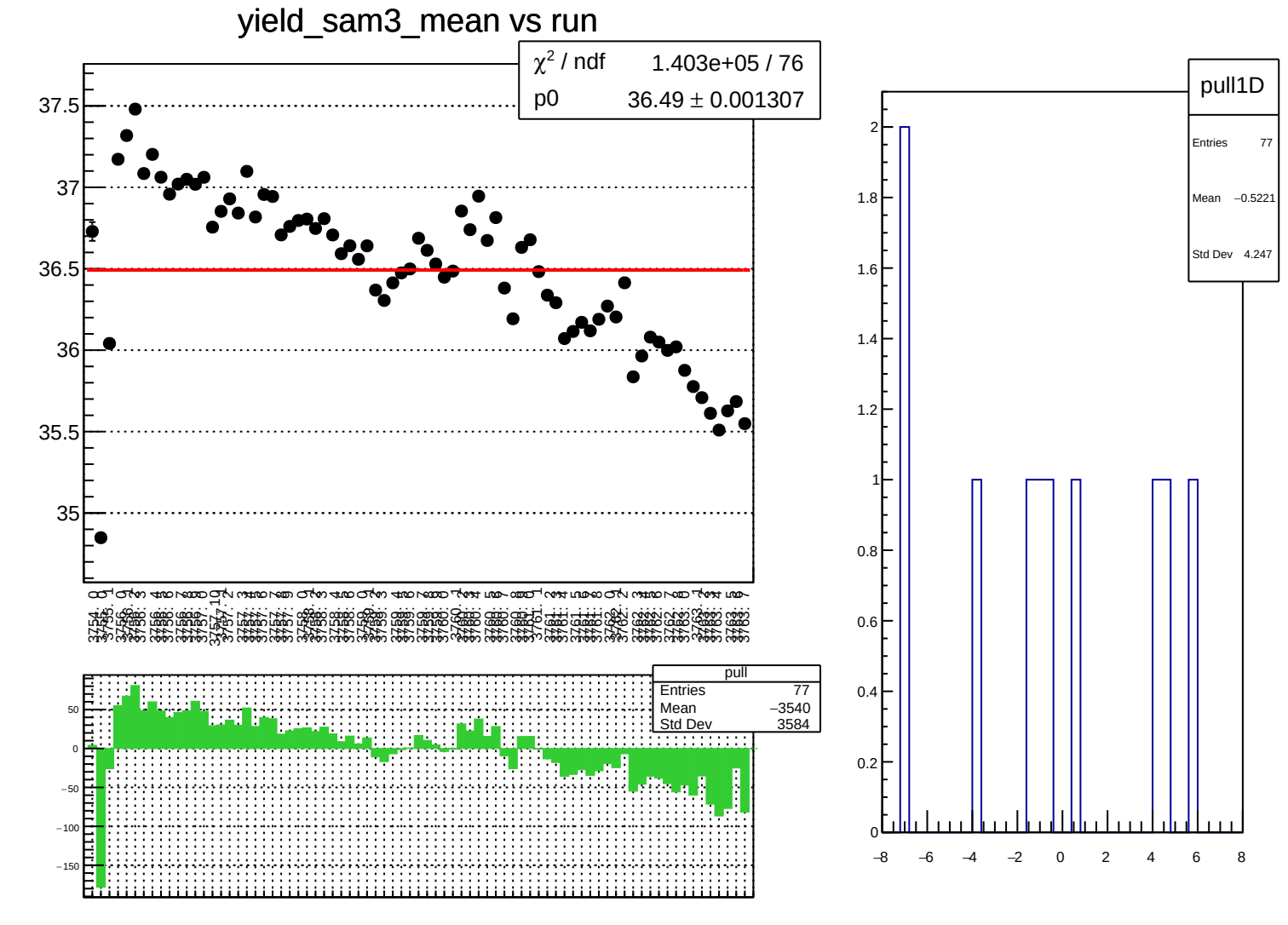

pull1D
Entries 77
Mean 1.858
Std Dev 4.334
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

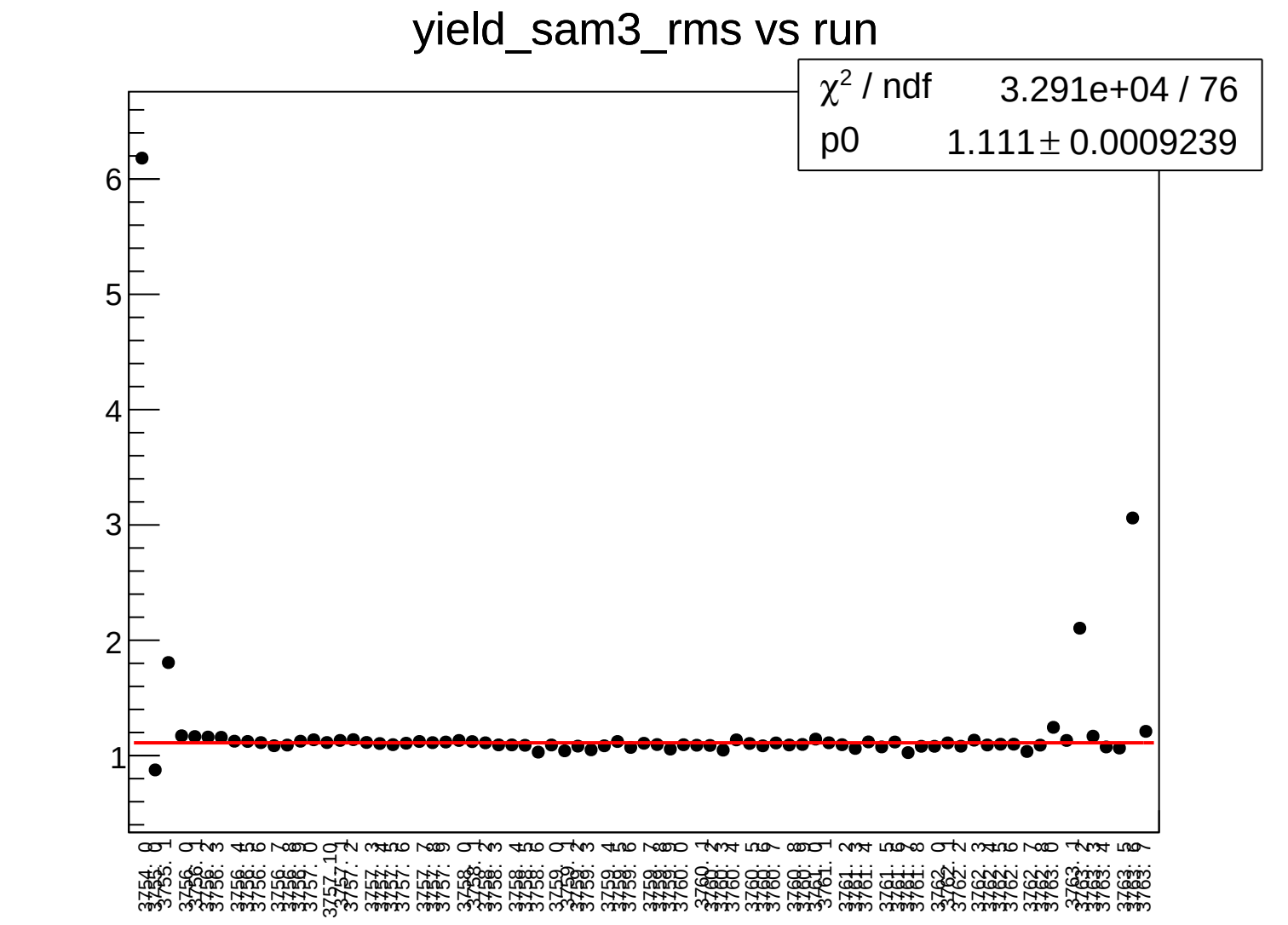

yield_sam1_rms vs run
χ² / ndf 6.822e+04 / 76
p0 0.02768 ± 2.331e–05
0.6
0.5
0.4
0.3
0.2
0.1

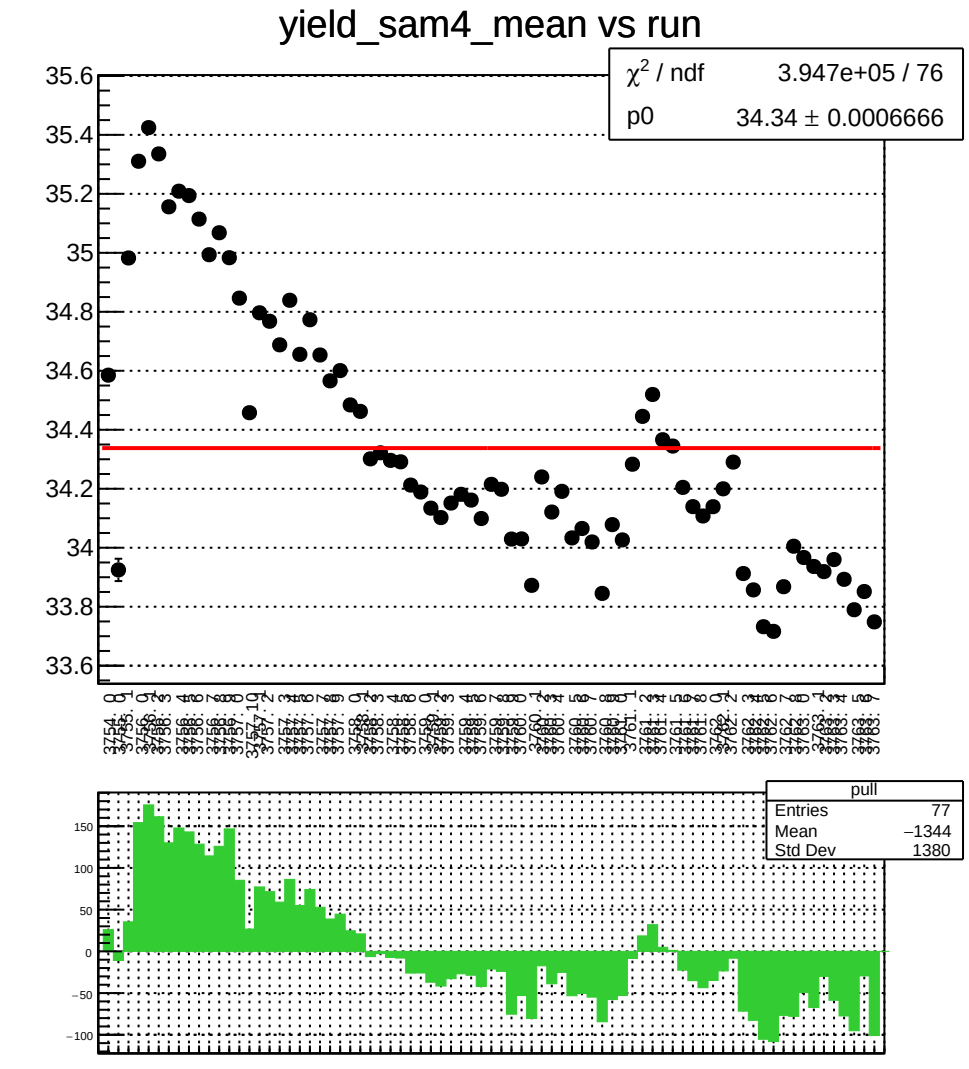

yield_sam2_mean vs run
χ² / ndf 3.31e+05 / 76
p0 9.951± 0.0002709
10.2
10
9.8
9.6
9.4
pull
Entries 77
Mean −885.4
Std Dev 917.4
100
50
0
−50
−100
−150

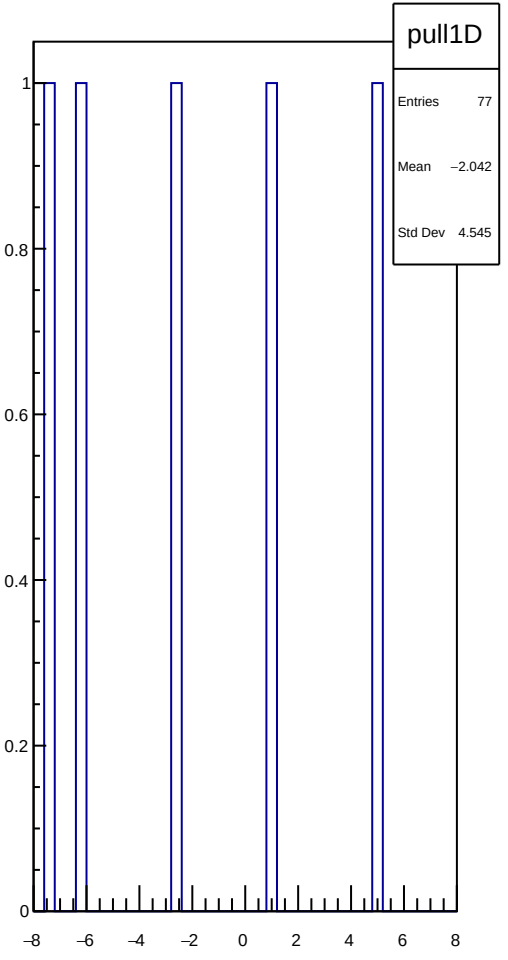

pull1D
Entries 77
Mean 0.8691
Std Dev 5.19
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

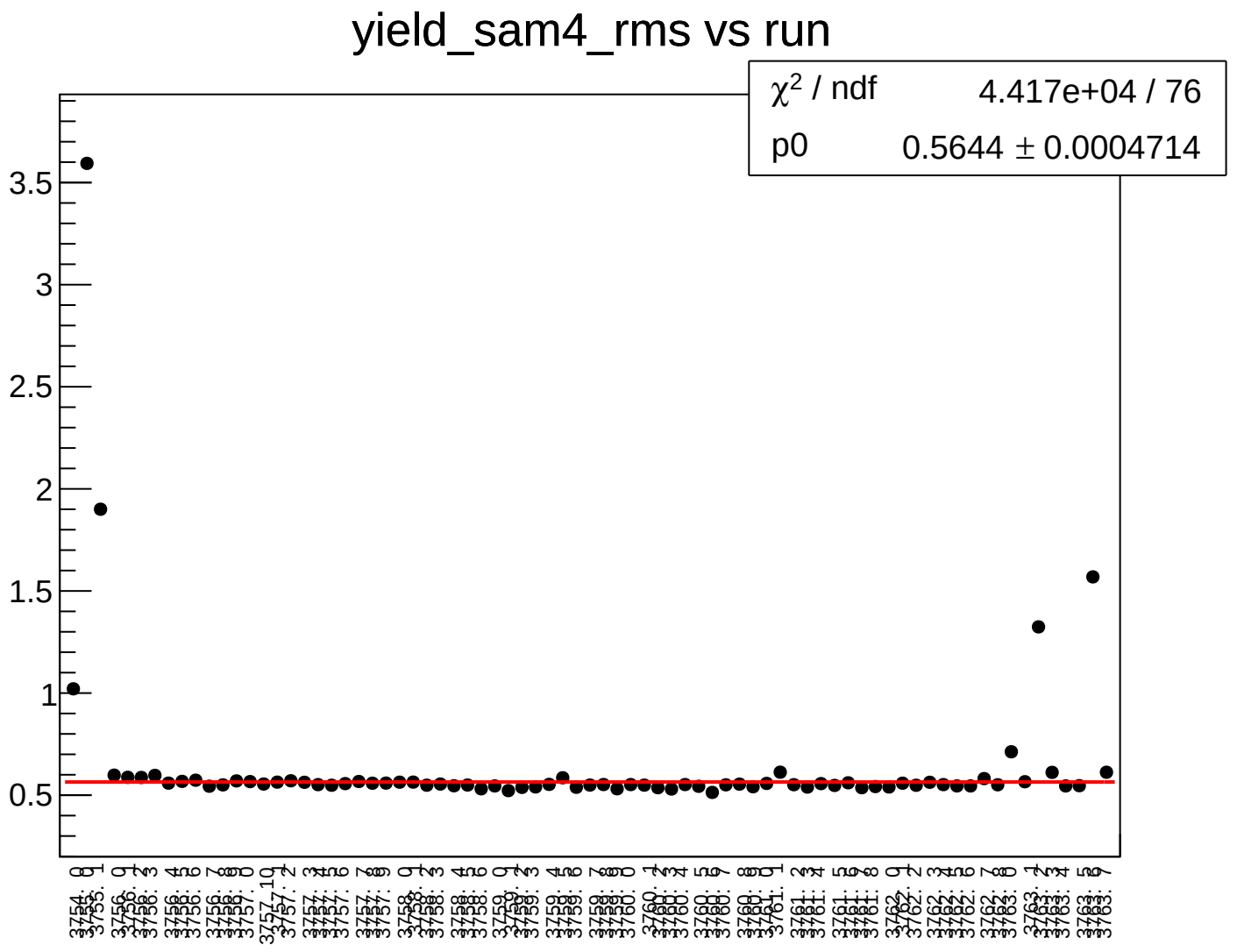

yield_sam2_rms vs run
χ² / ndf 4.726e+04 / 76
p0 0.2291 ± 0.0001916
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2

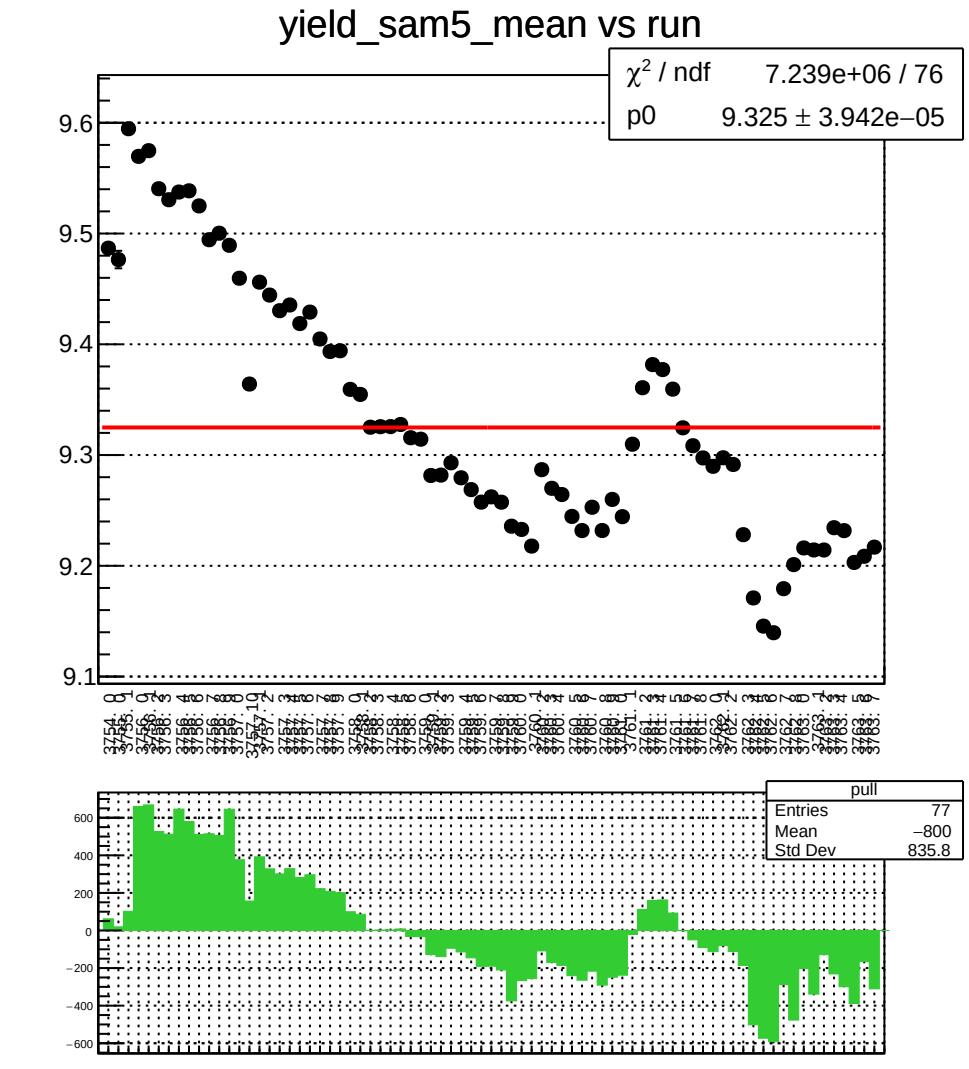

yield_sam3_mean vs run
χ² / ndf 1.403e+05 / 76
p0 36.49 ± 0.001307
37.5
37
36.5
36
35.5
35
pull
Entries 77
Mean −3540
Std Dev 3584
50
0
−50
−100
−150
pull1D
Entries 77
Mean −0.5221
Std Dev 4.247
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

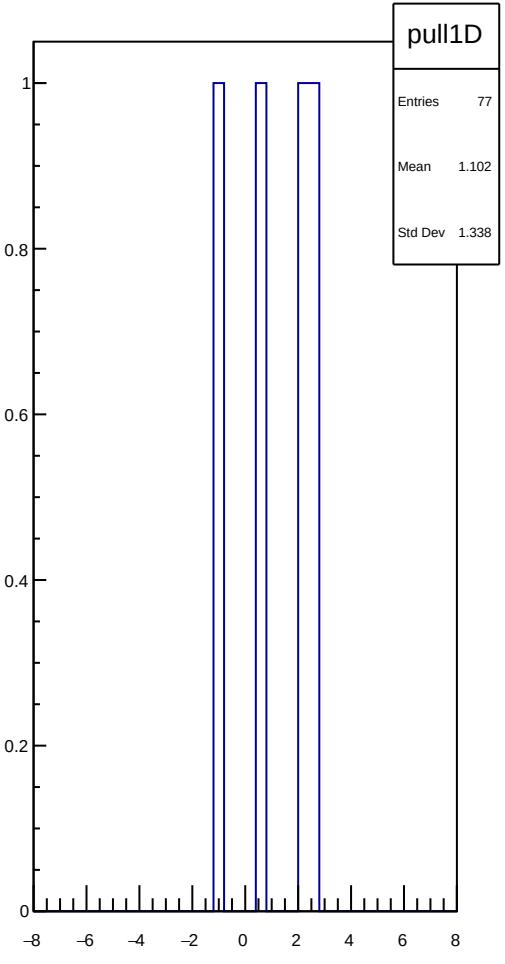

yield_sam3_rms vs run
χ^2 / ndf 3.291e+04 / 76
p0 1.111 ± 0.0009239
6
5
4
3
2
1

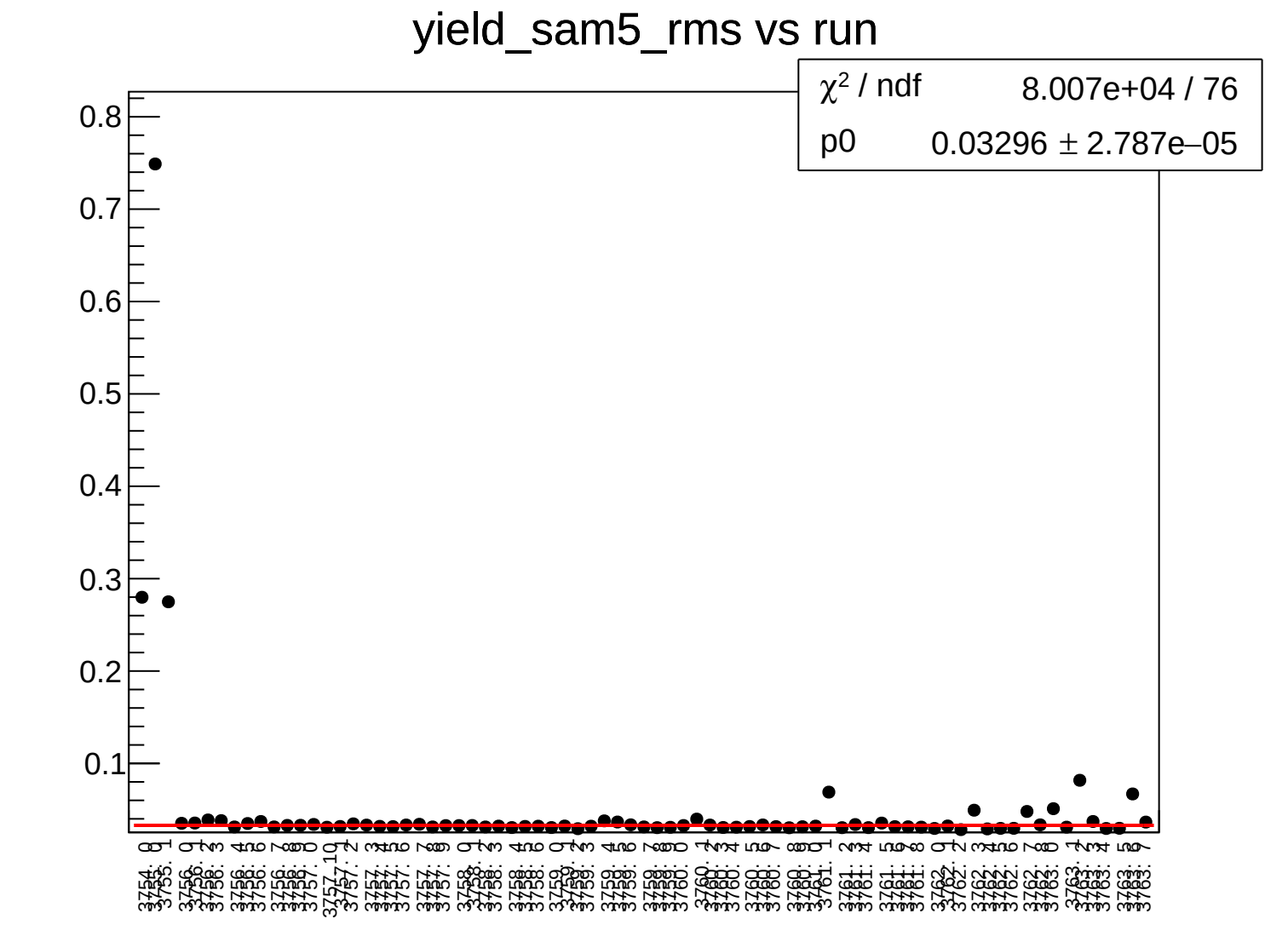

yield_sam4_mean vs run
χ² / ndf 3.947e+05 / 76
p0 34.34 ± 0.0006666
pull
Entries 77
Mean −1344
Std Dev 1380

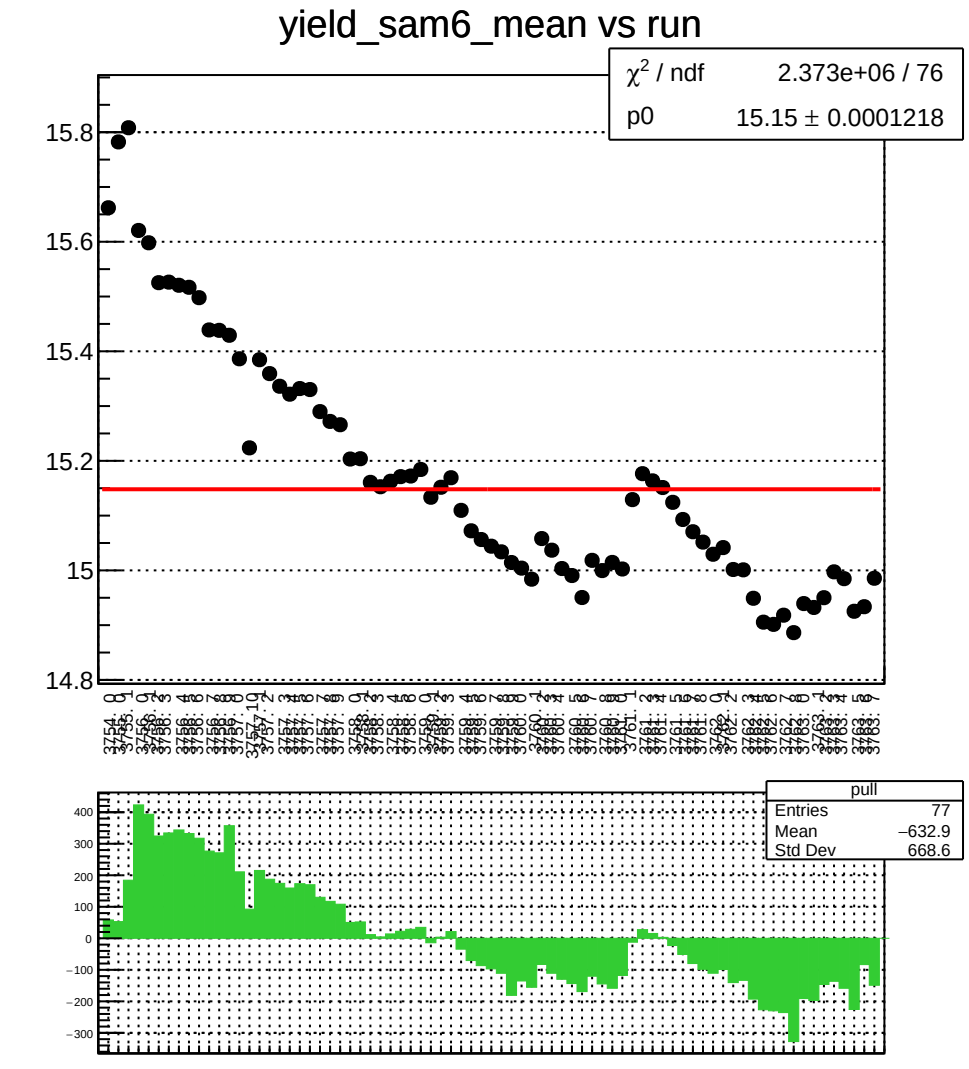

pull1D
Entries 77
Mean −2.042
Std Dev 4.545

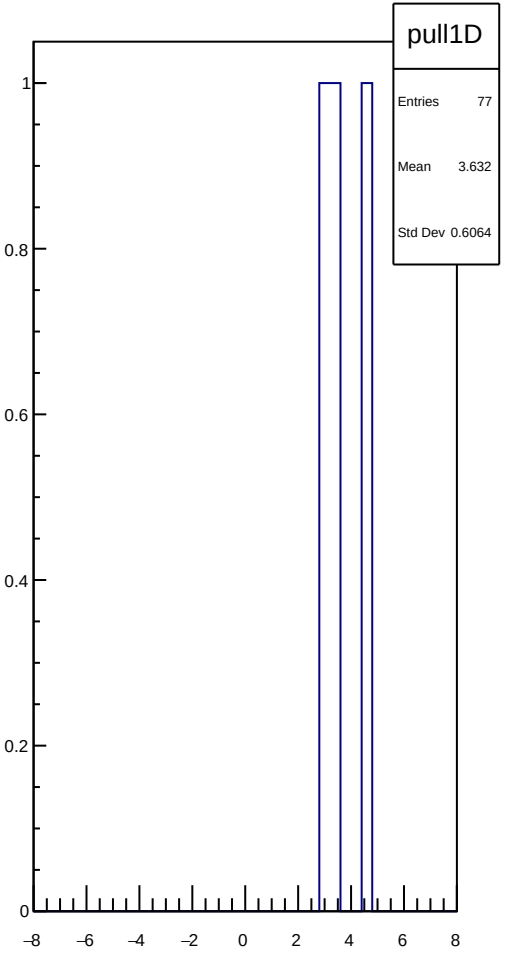

yield_sam4_rms vs run
χ² / ndf 4.417e+04 / 76
p0 0.5644 ± 0.0004714
3.5
3
2.5
2
1.5
1
0.5

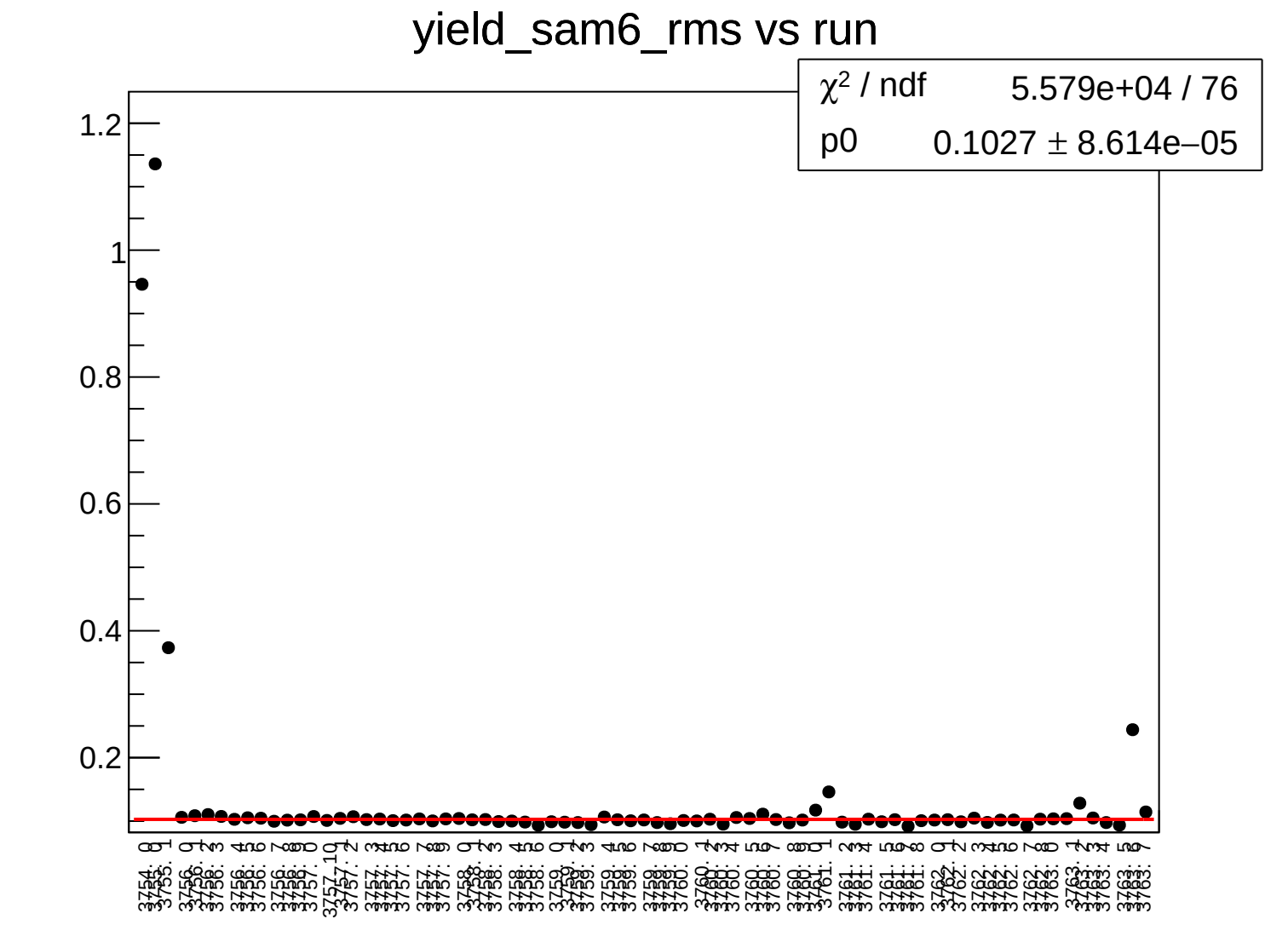

yield_sam5_mean vs run
χ² / ndf 7.239e+06 / 76
p0 9.325 ± 3.942e−05
pull
Entries 77
Mean −800
Std Dev 835.8

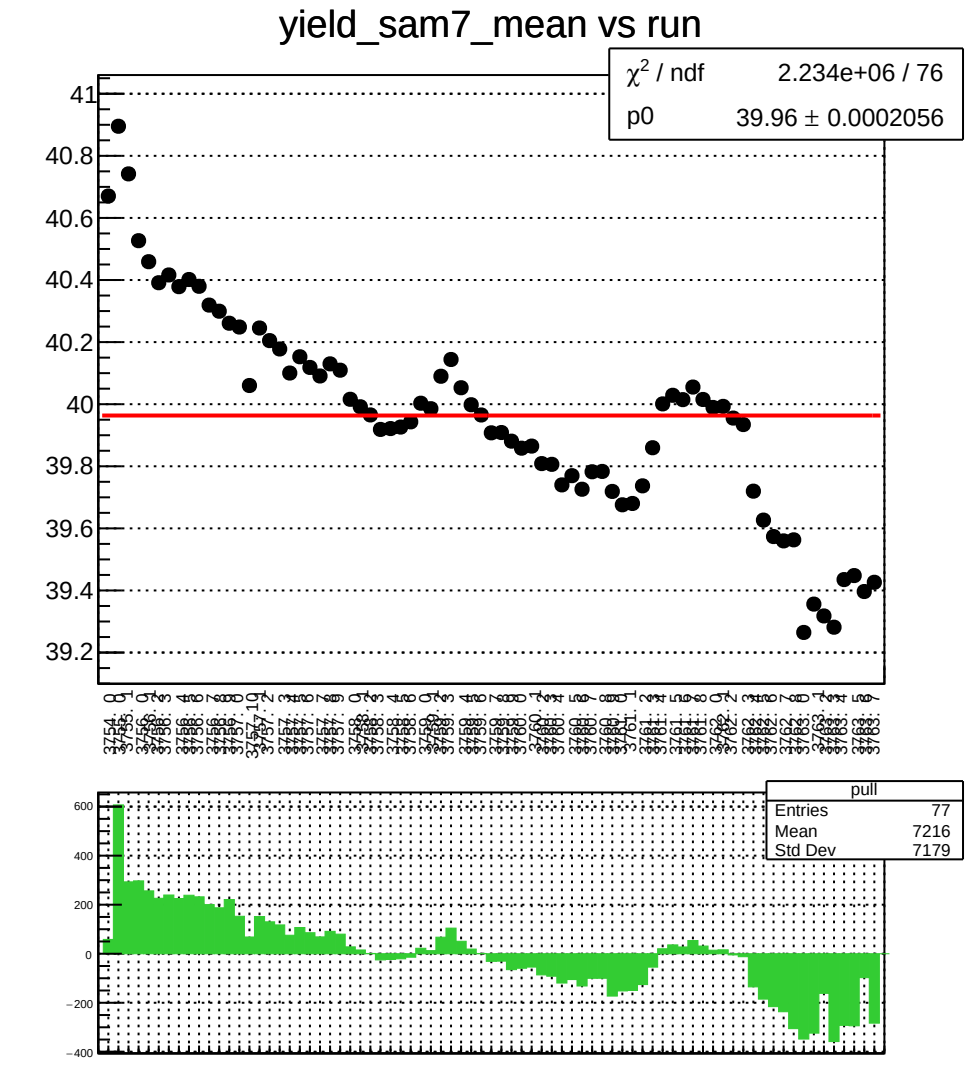

pull1D
Entries 77
Mean 1.102
Std Dev 1.338

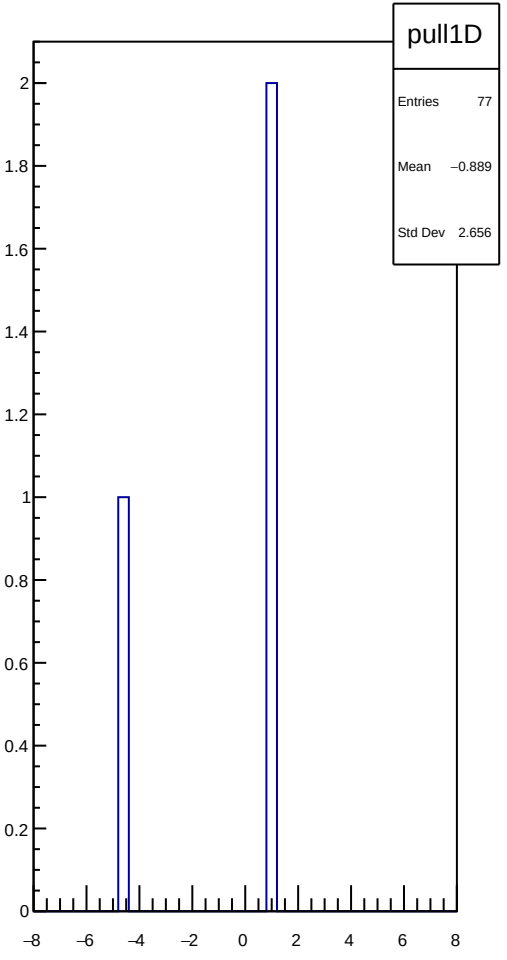

yield_sam5_rms vs run
χ² / ndf 8.007e+04 / 76
p0 0.03296 ± 2.787e−05
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

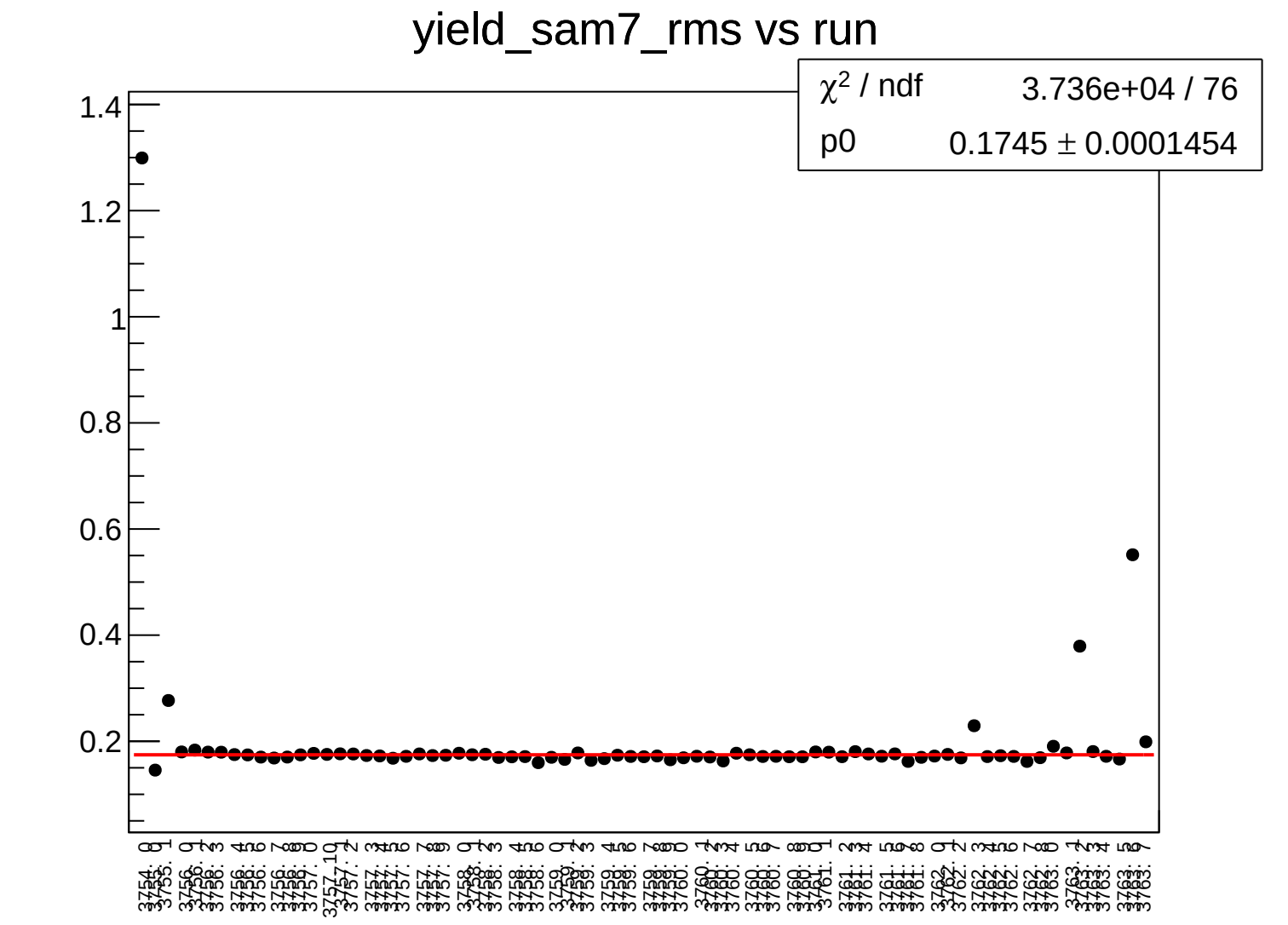

yield_sam6_mean vs run
χ² / ndf 2.373e+06 / 76
p0 15.15 ± 0.0001218
15.8
15.6
15.4
15.2
15
14.8
pull
Entries 77
Mean −632.9
Std Dev 668.6
400
300
200
100
0
−100
−200
−300

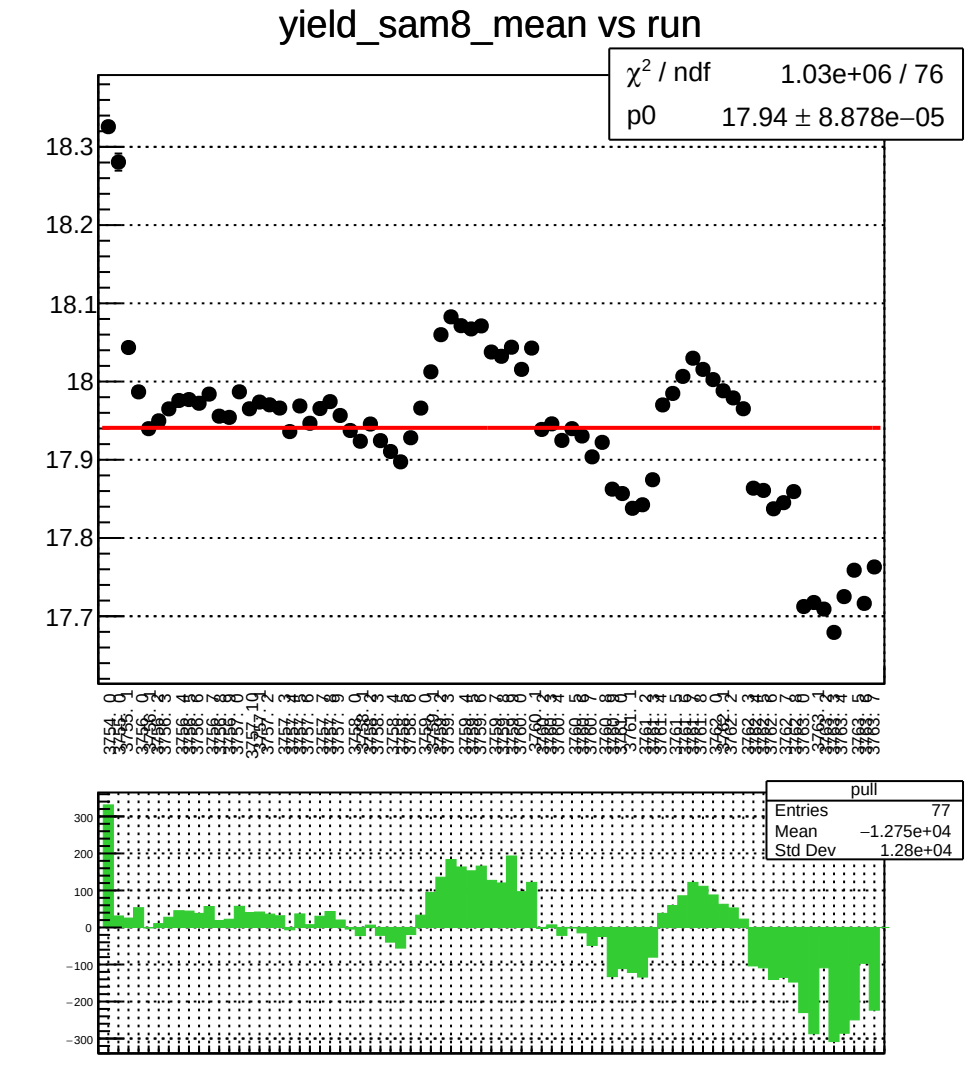

pull1D
Entries 77
Mean 3.632
Std Dev 0.6064
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

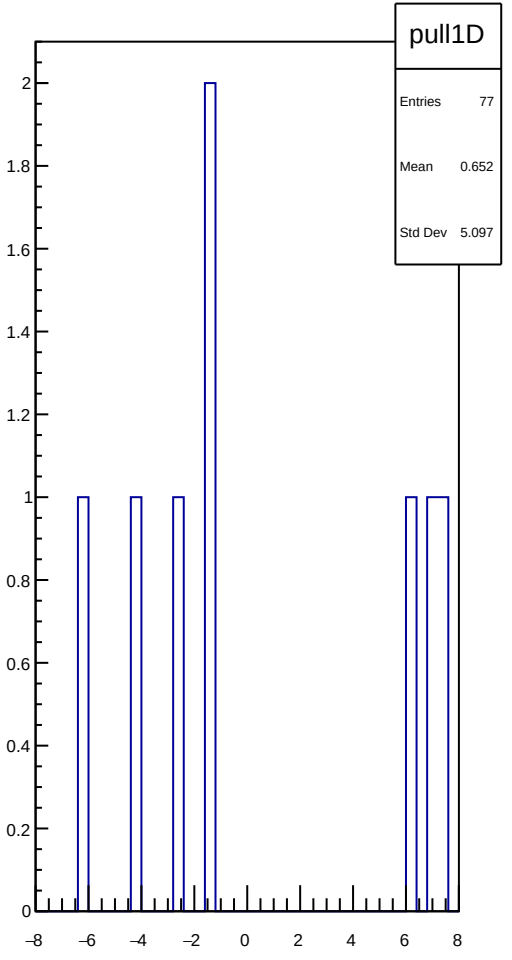

yield_sam6_rms vs run
χ² / ndf 5.579e+04 / 76
p0 0.1027 ± 8.614e−05
1.2
1
0.8
0.6
0.4
0.2

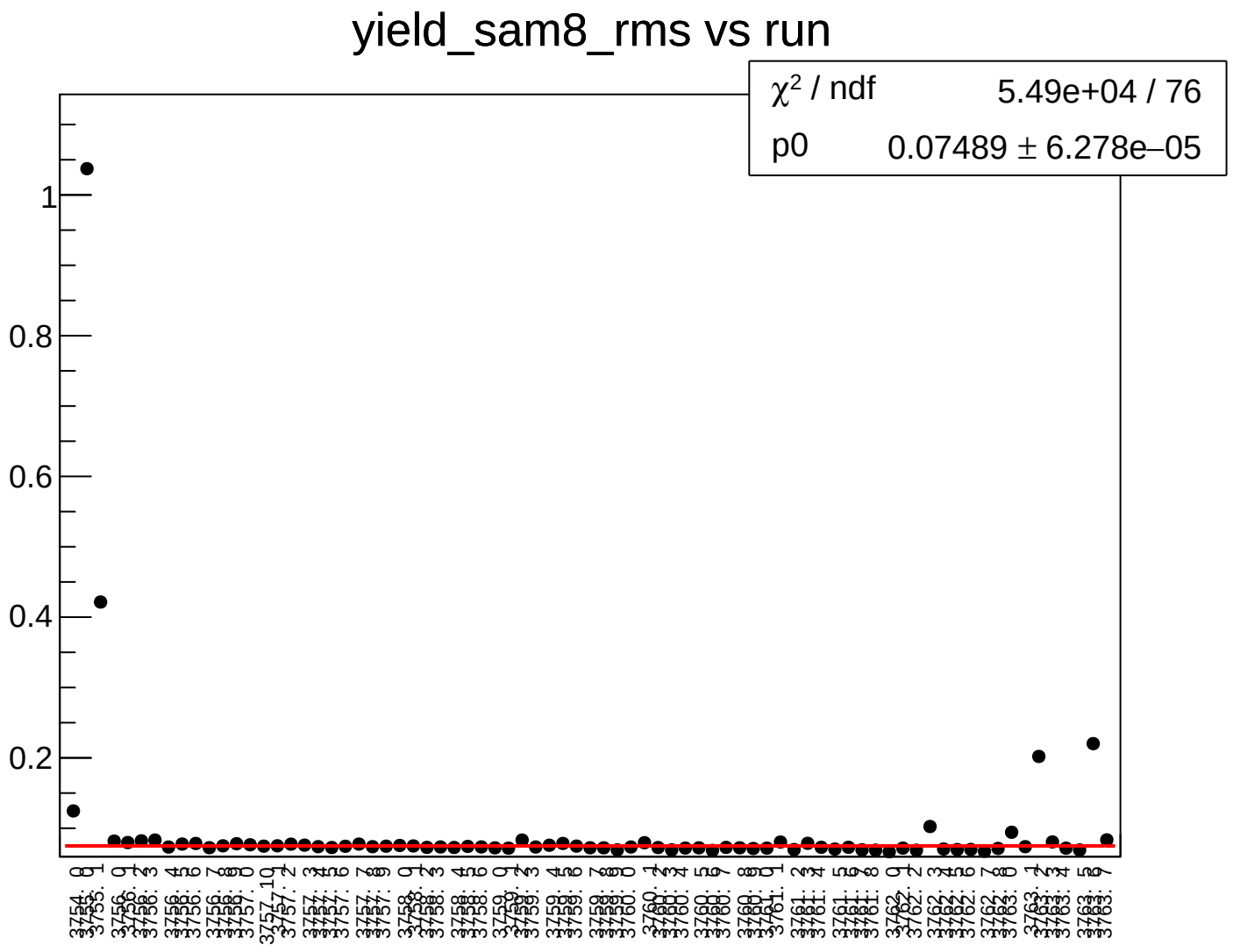

yield_sam7_mean vs run
χ² / ndf 2.234e+06 / 76
p0 39.96 ± 0.0002056
pull
Entries 77
Mean 7216
Std Dev 7179

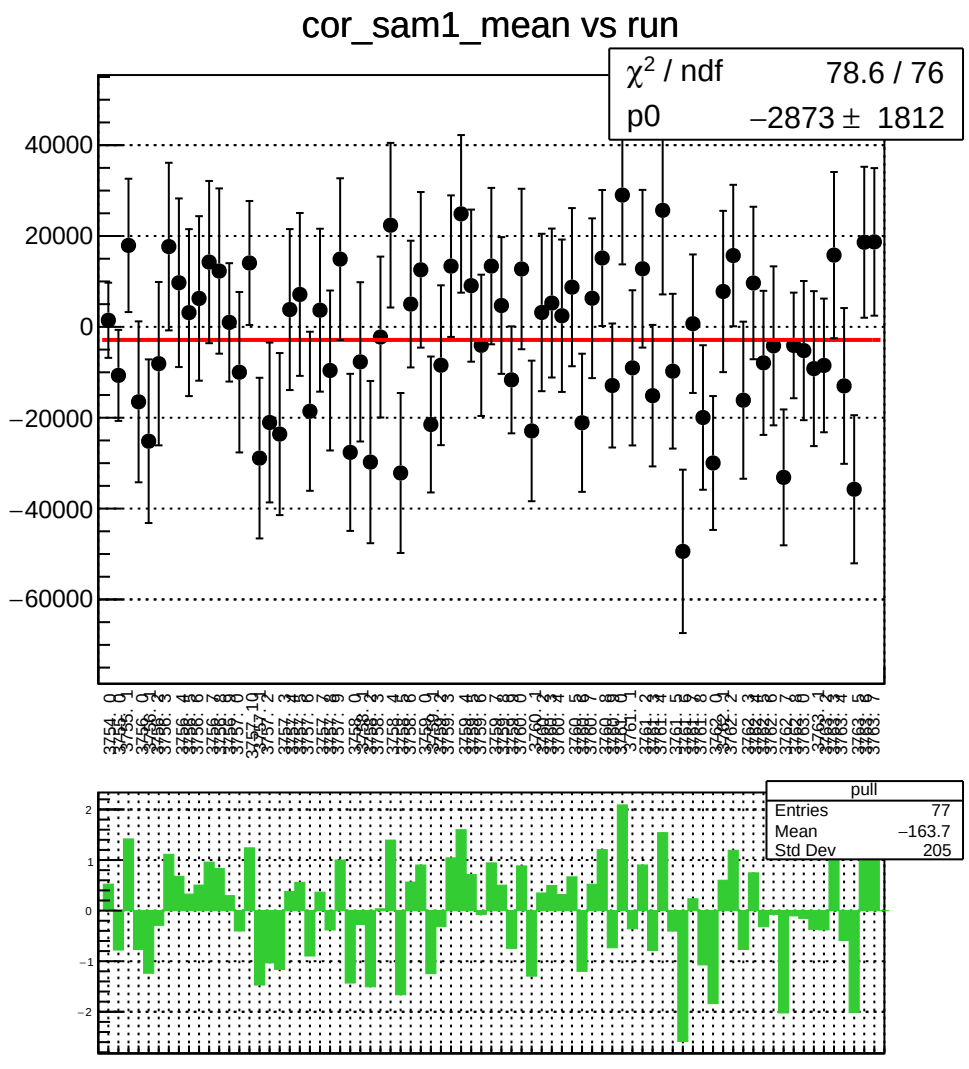

pull1D
Entries 77
Mean −0.889
Std Dev 2.656

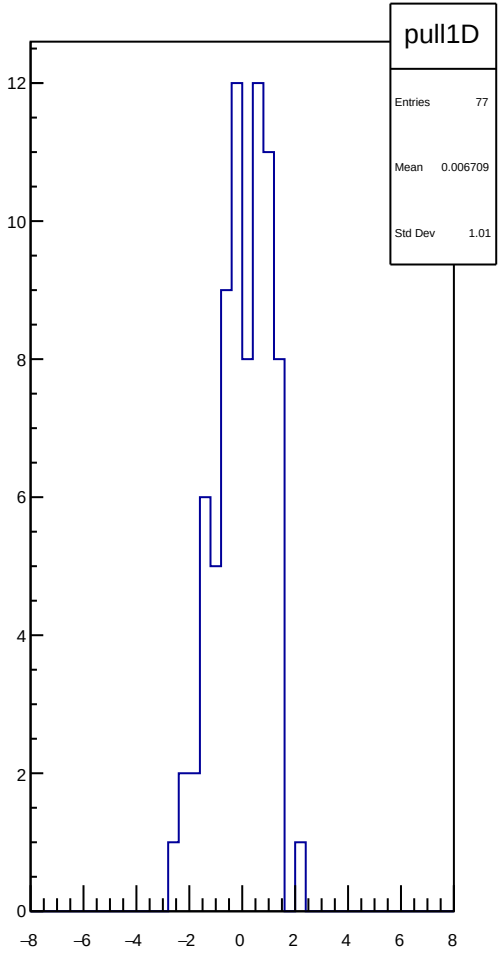

yield_sam7_rms vs run
χ² / ndf 3.736e+04 / 76
p0 0.1745 ± 0.0001454
1.4
1.2
1
0.8
0.6
0.4
0.2

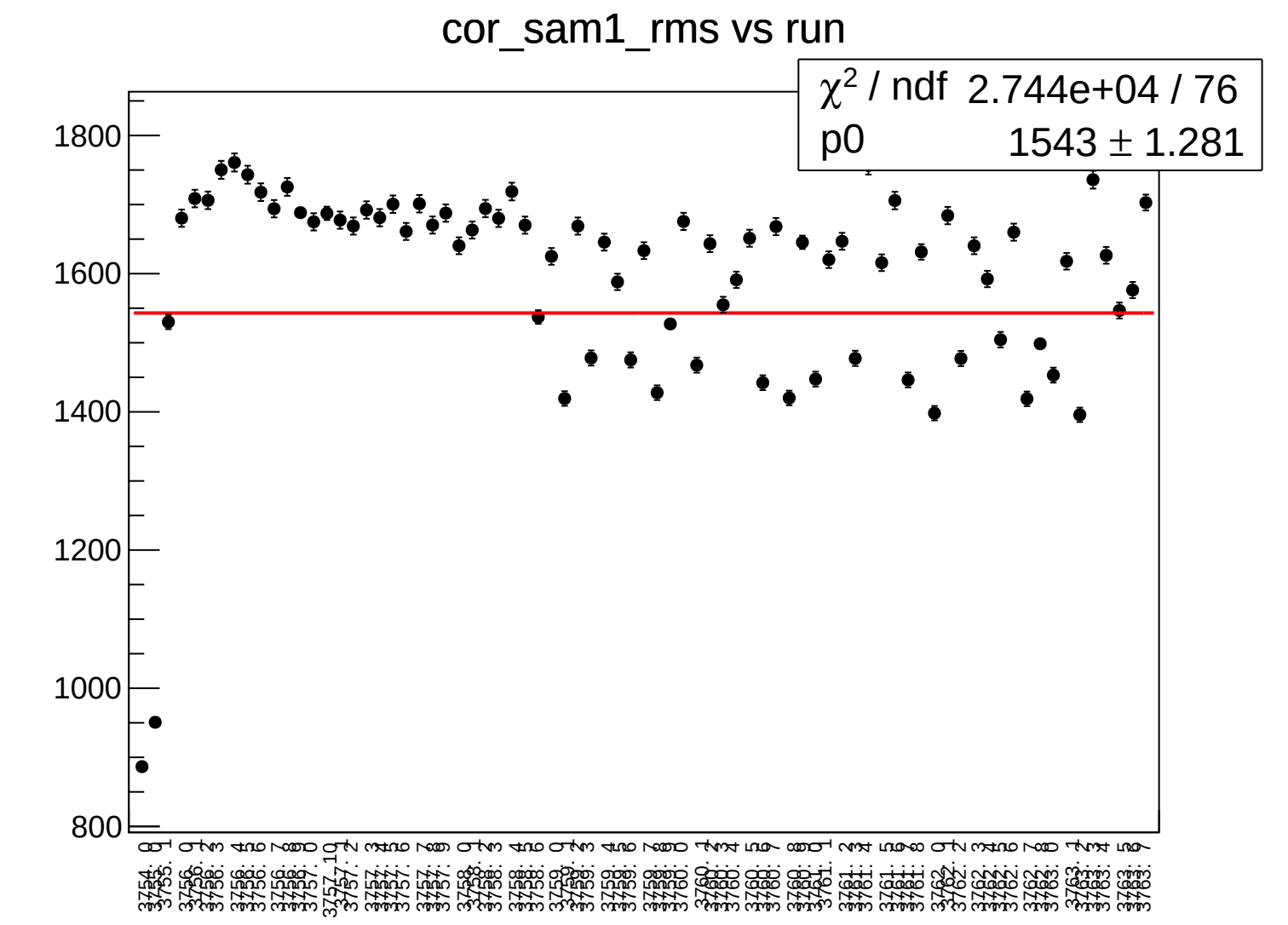

yield_sam8_mean vs run
χ² / ndf 1.03e+06 / 76
p0 17.94 ± 8.878e−05
18.3
18.2
18.1
18
17.9
17.8
17.7
pull
Entries 77
Mean −1.275e+04
Std Dev 1.28e+04
300
200
100
0
−100
−200
−300

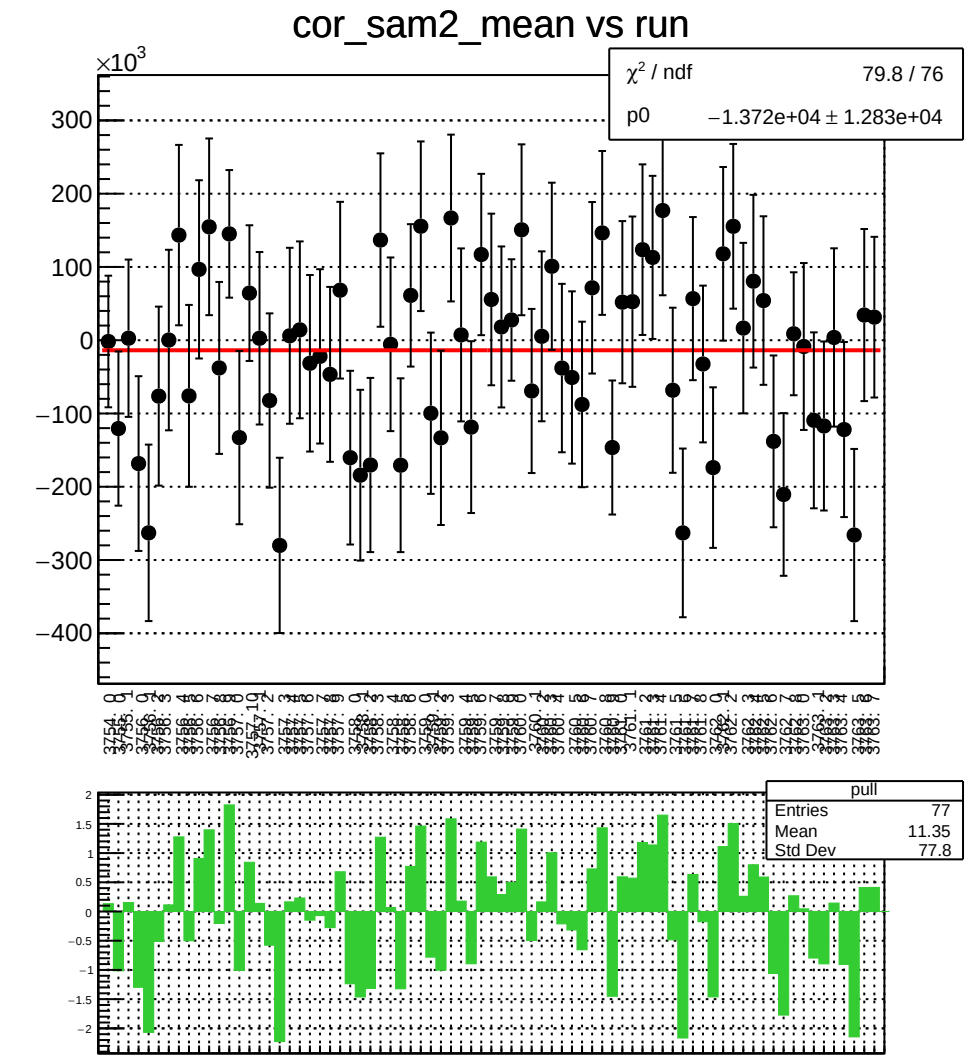

pull1D
Entries 77
Mean 0.652
Std Dev 5.097
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

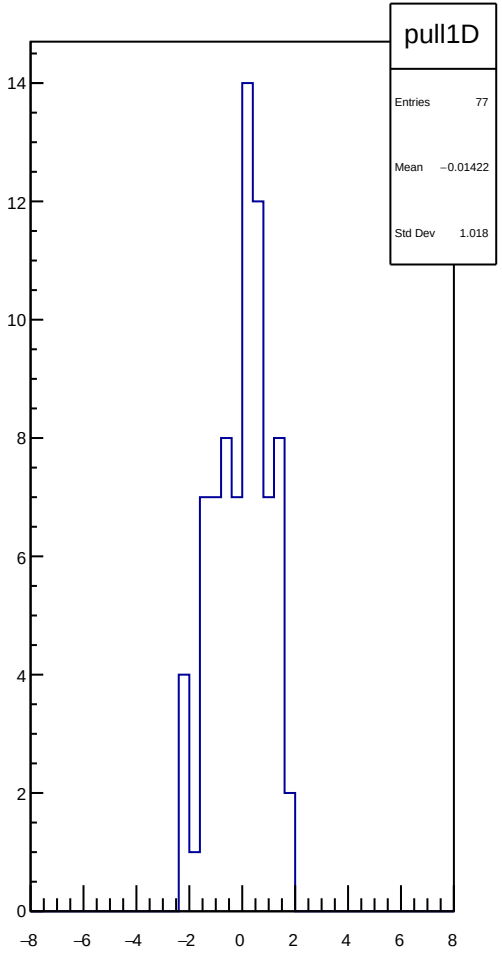

yield_sam8_rms vs run
χ² / ndf 5.49e+04 / 76
p0 0.07489 ± 6.278e−05
1
0.8
0.6
0.4
0.2

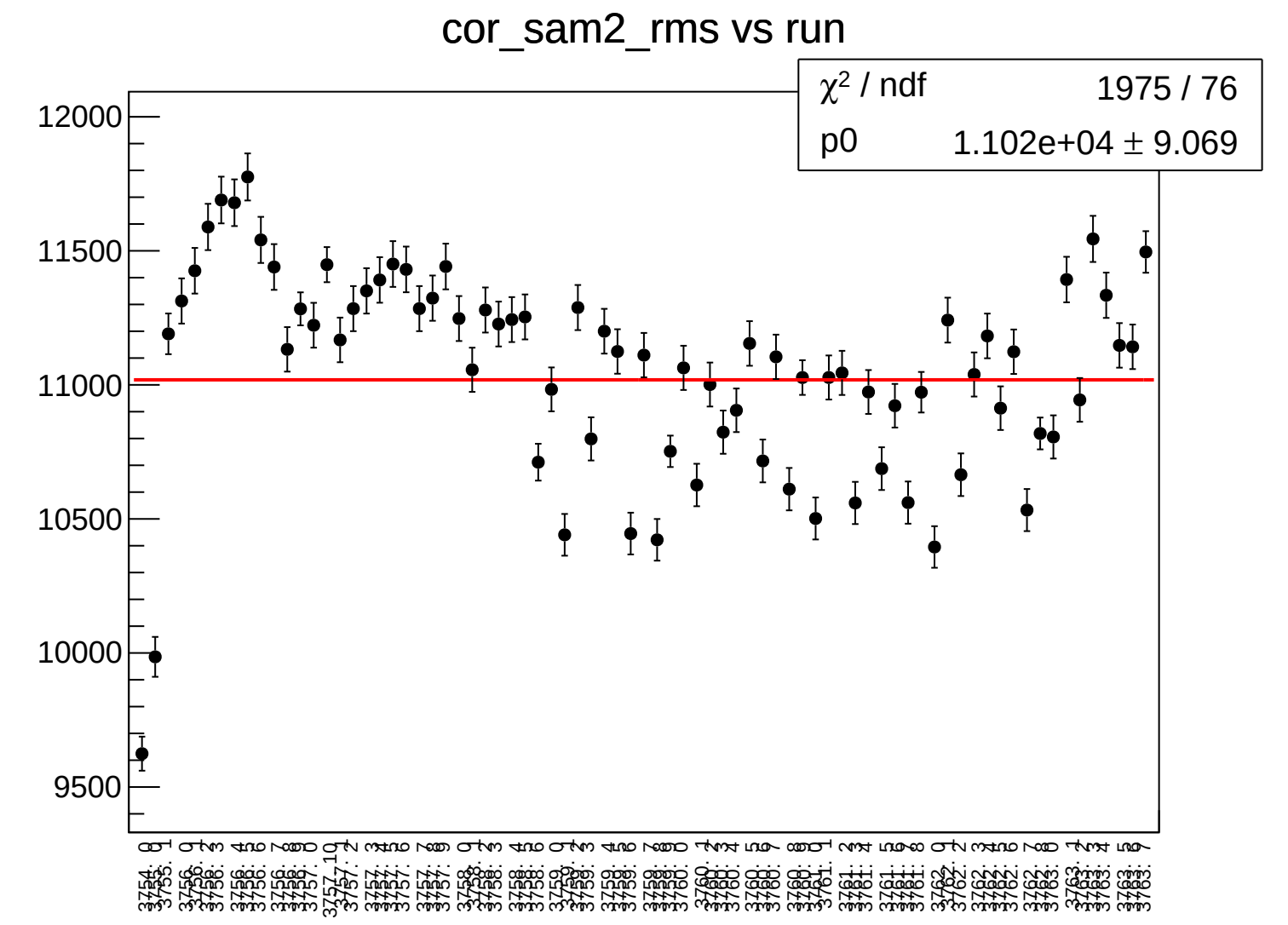

cor_sam1_mean vs run
χ² / ndf 78.6 / 76
p0 −2873 ± 1812
40000
20000
0
−20000
−40000
−60000
pull
Entries 77
Mean −163.7
Std Dev 205
2
1
0
−1
−2

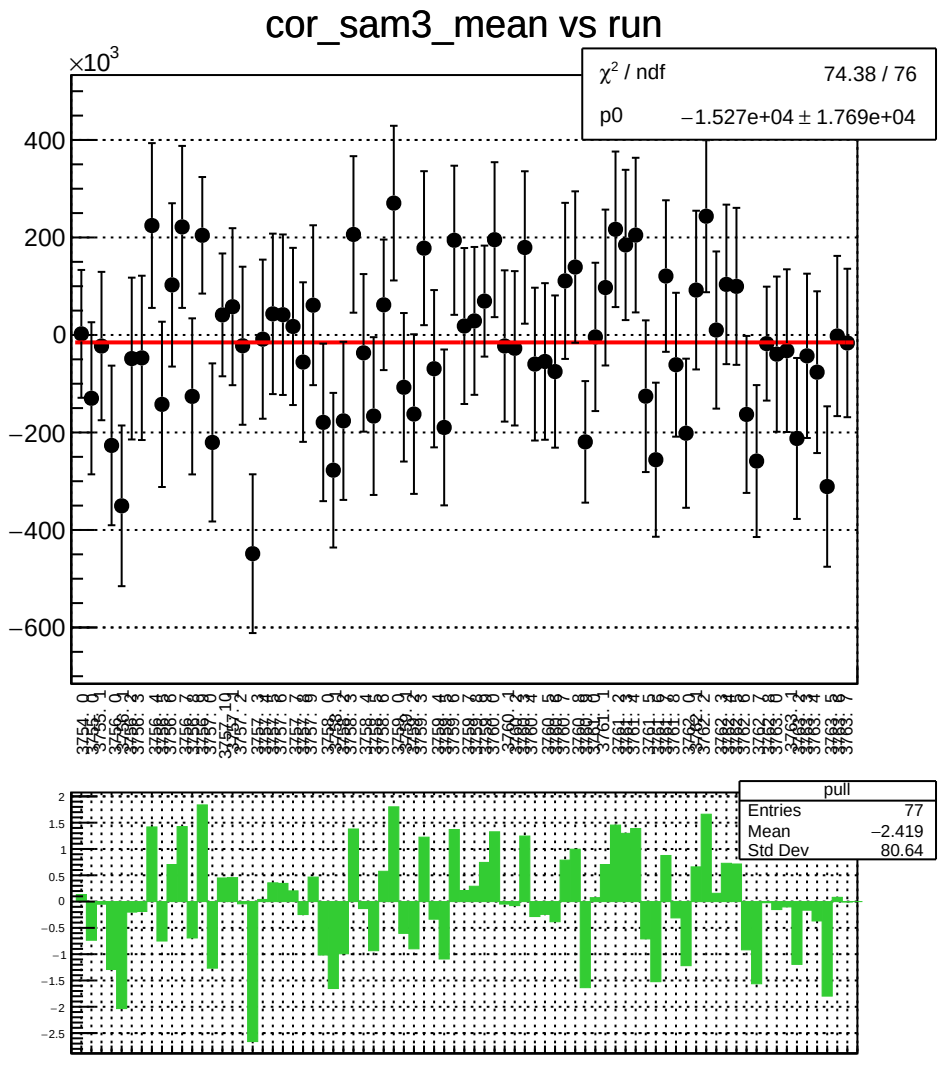

pull1D
Entries 77
Mean 0.006709
Std Dev 1.01
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

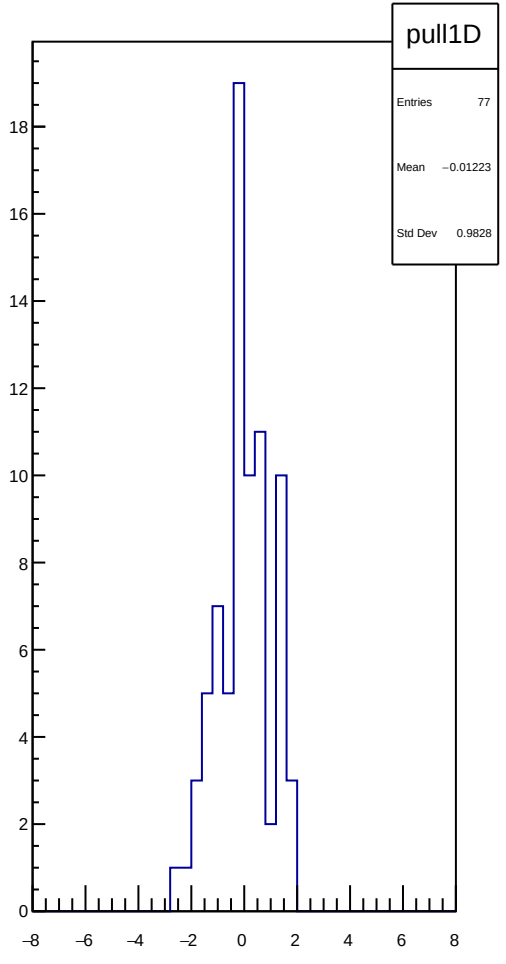

cor_sam1_rms vs run
χ² / ndf 2.744e+04 / 76
p0 1543 ± 1.281
1800
1600
1400
1200
1000
800

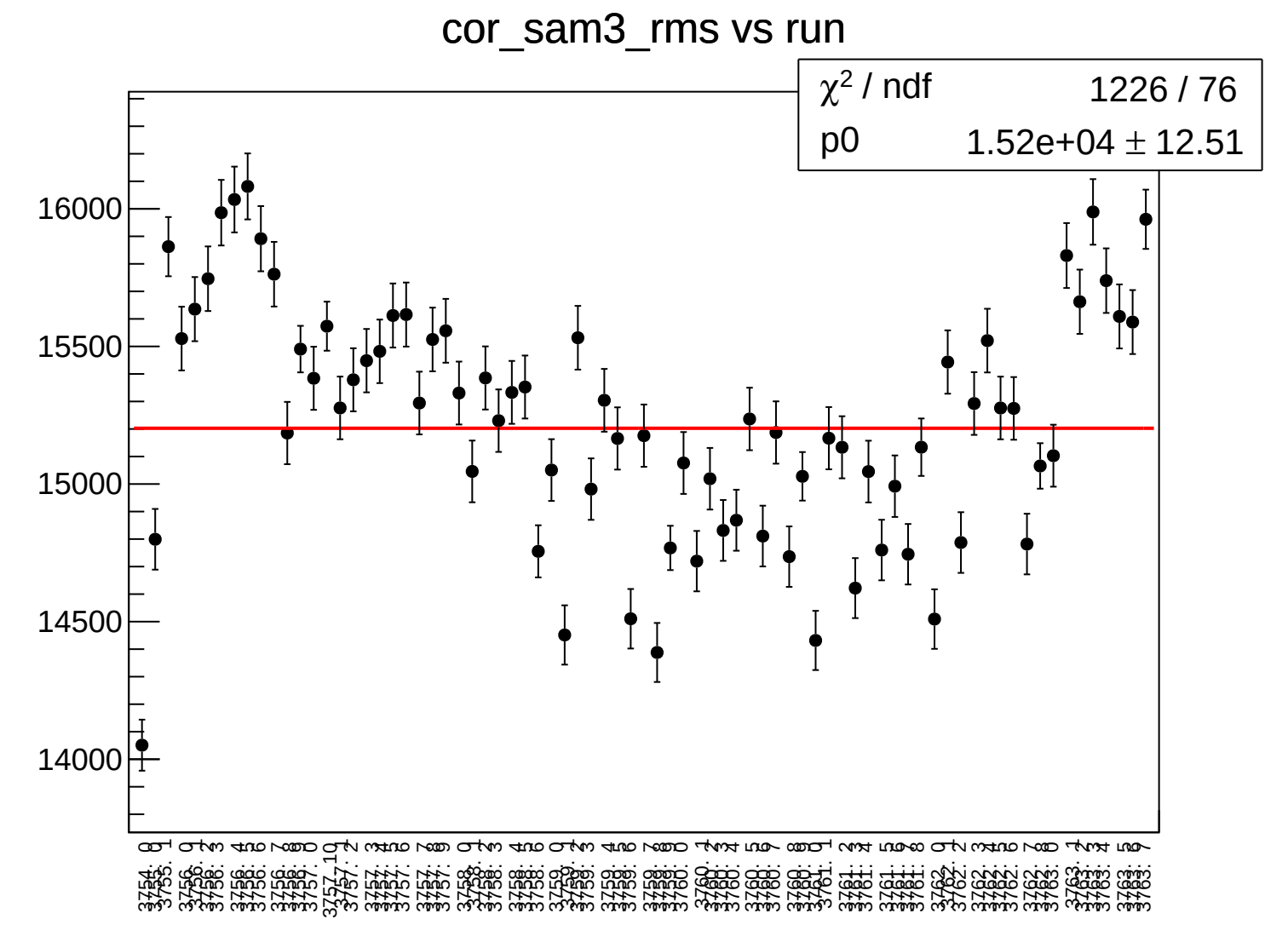

cor_sam2_mean vs run
×10^3
χ² / ndf 79.8 / 76
p0 −1.372e+04 ± 1.283e+04
pull
Entries 77
Mean 11.35
Std Dev 77.8

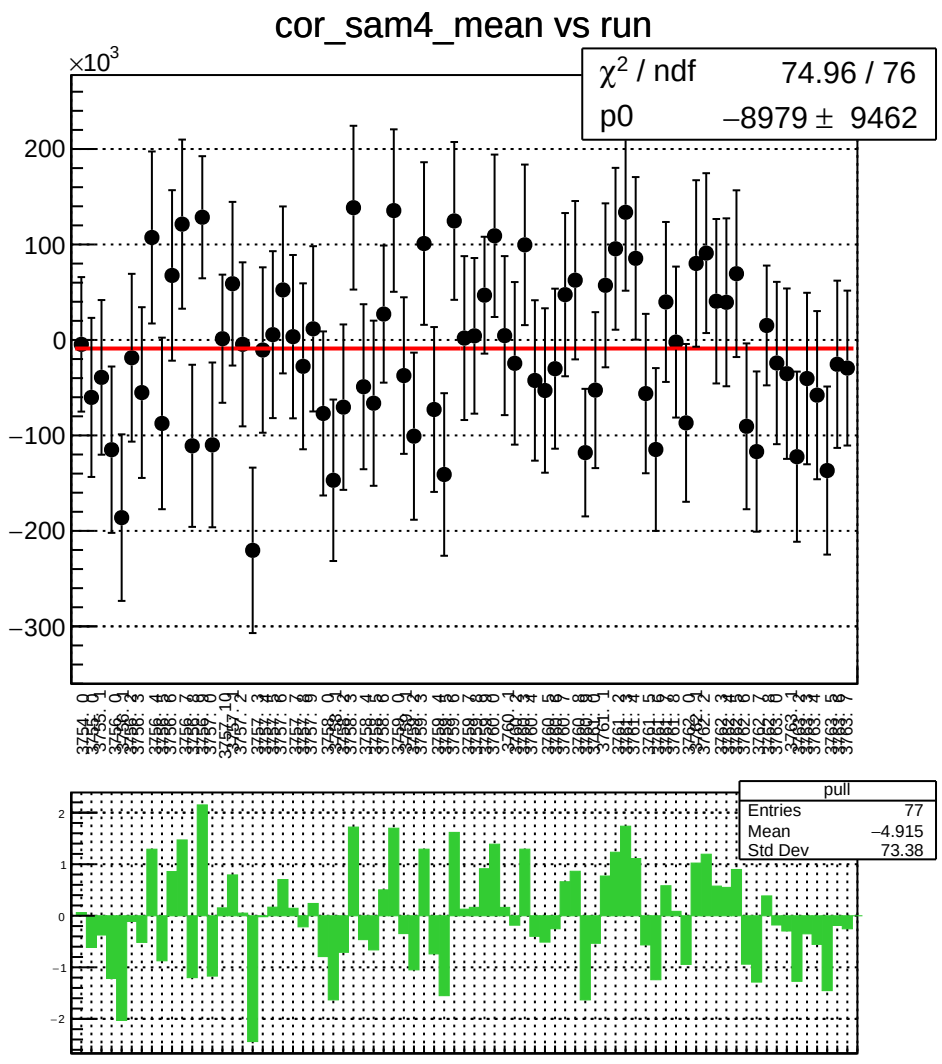

pull1D
Entries 77
Mean −0.01422
Std Dev 1.018

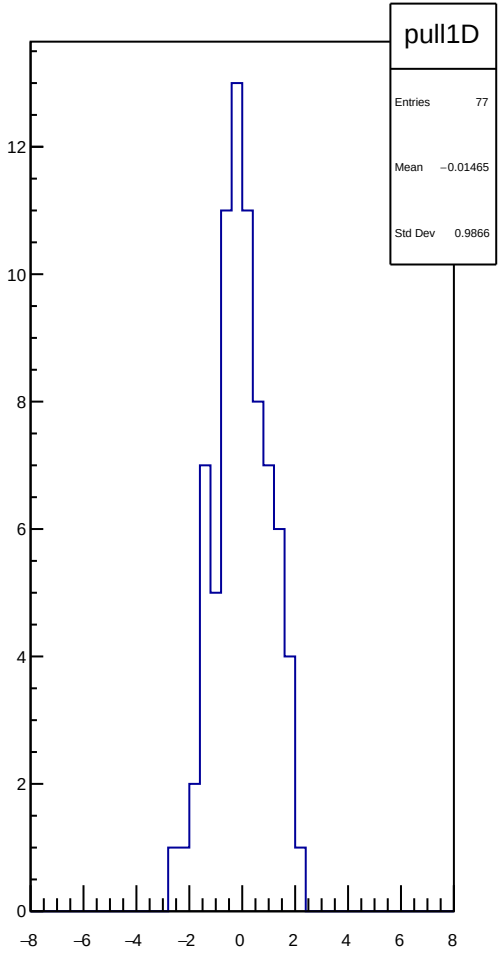

cor_sam2_rms vs run
χ² / ndf 1975 / 76
p0 1.102e+04 ± 9.069
12000
11500
11000
10500
10000
9500

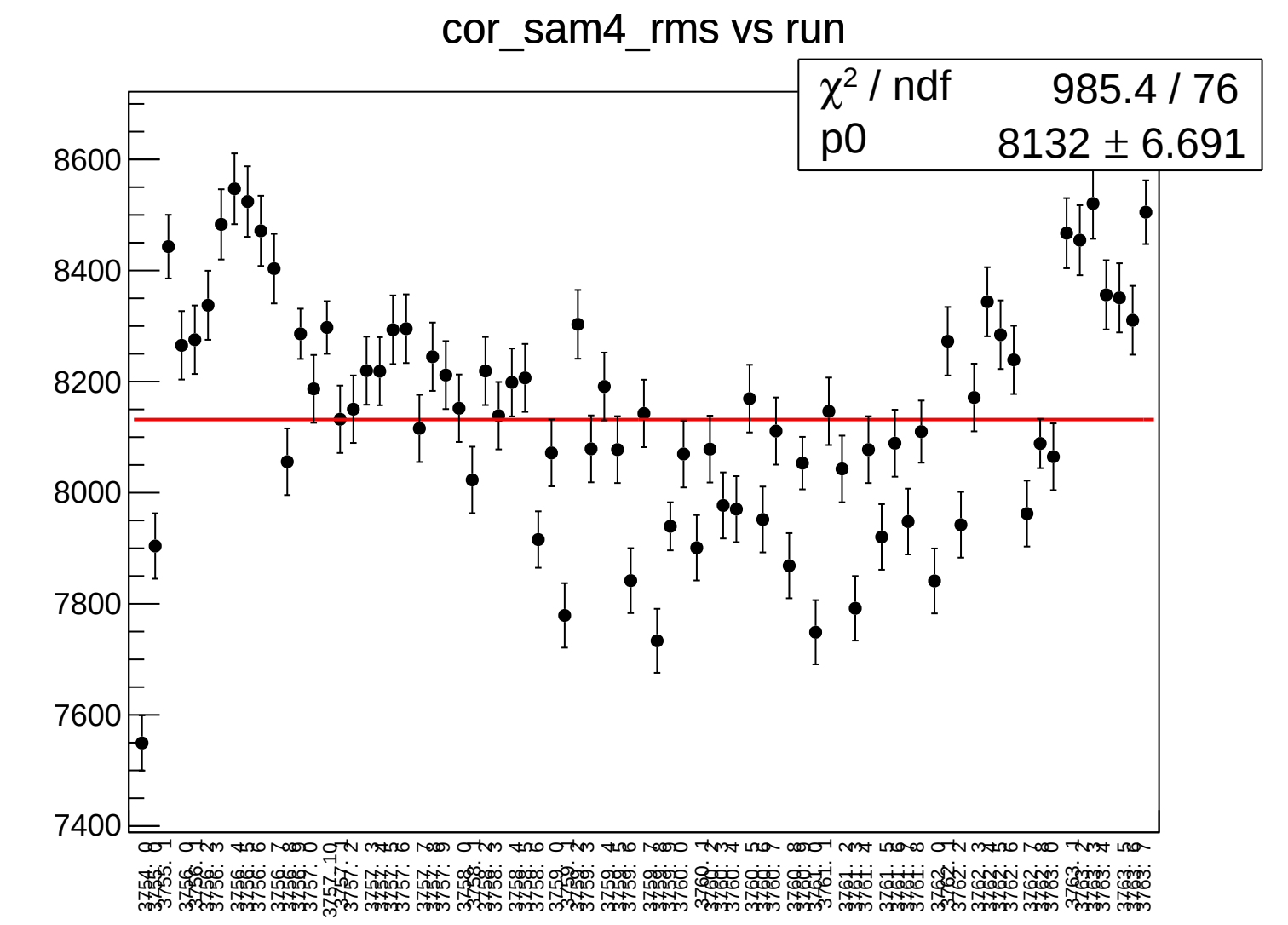

cor_sam3_mean vs run
×10^3
400
200
0
−200
−400
−600
χ² / ndf 74.38 / 76
p0 −1.527e+04 ± 1.769e+04
pull
Entries 77
Mean −2.419
Std Dev 80.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

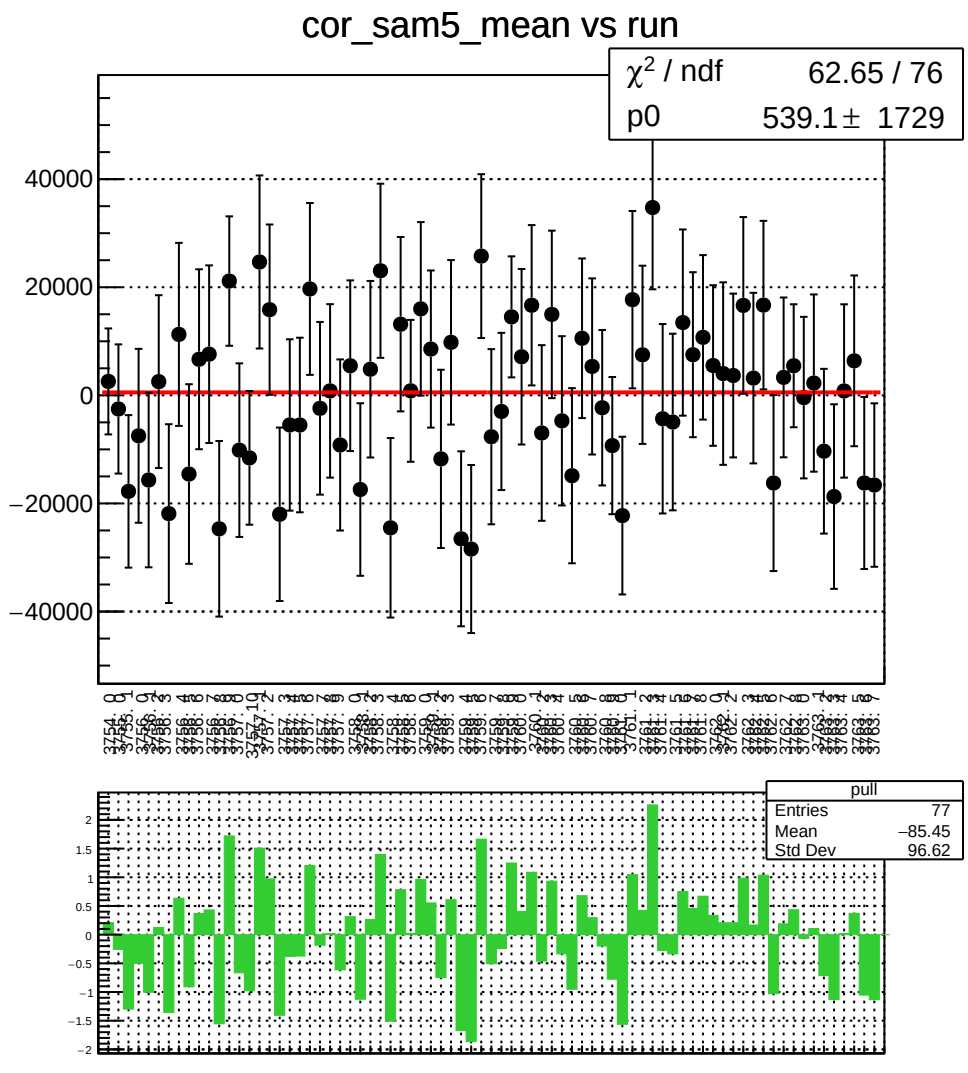

pull1D
Entries 77
Mean −0.01223
Std Dev 0.9828
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

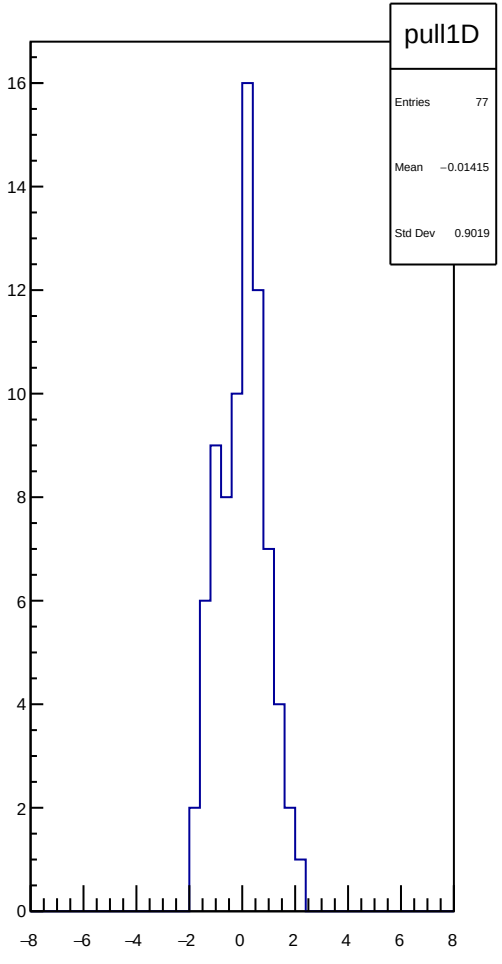

cor_sam3_rms vs run
χ^2 / ndf 1226 / 76
p0 1.52e+04 ± 12.51
16000
15500
15000
14500
14000

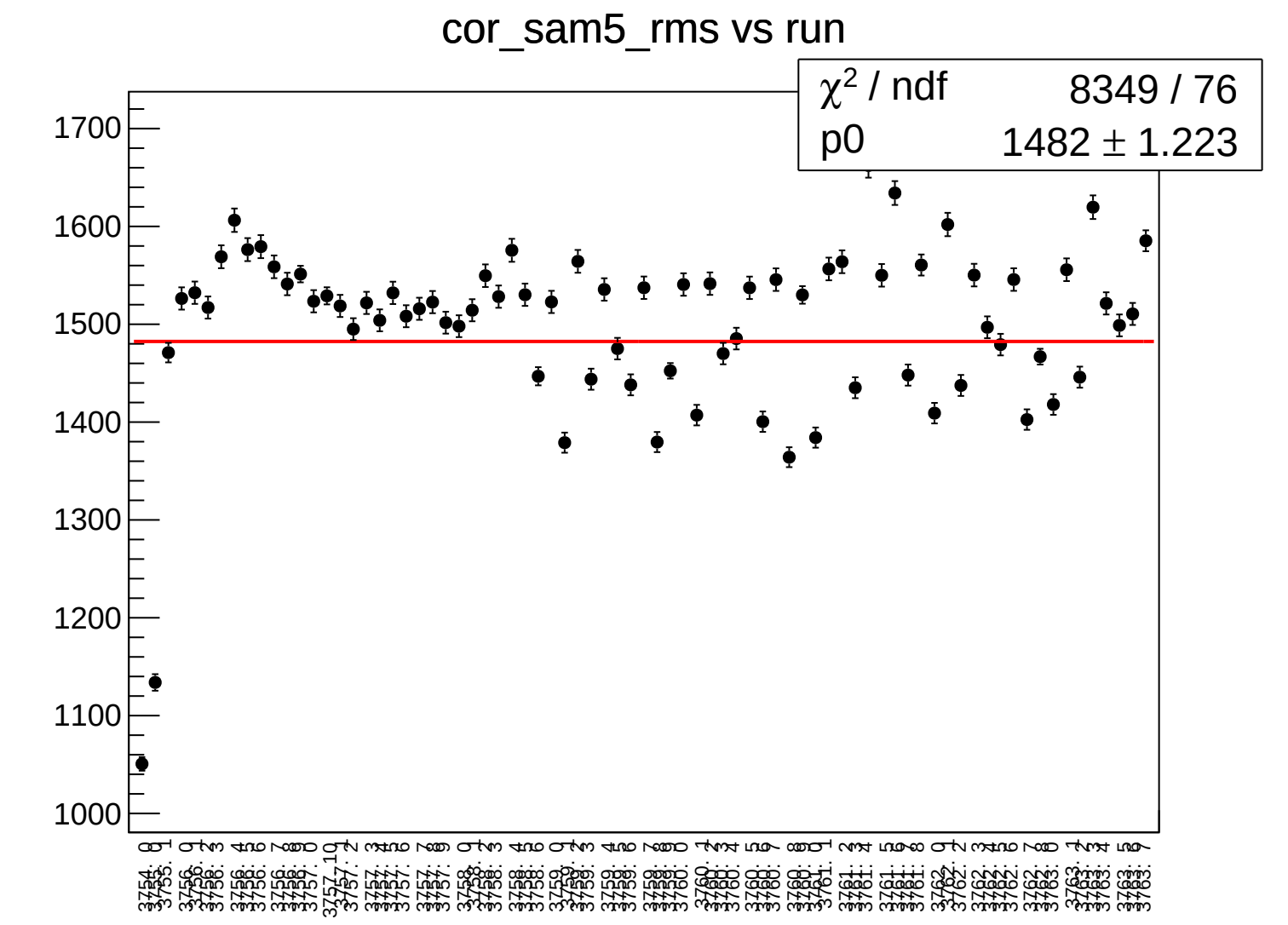

cor_sam4_mean vs run
×10^3
χ^2 / ndf 74.96 / 76
p0 −8979 ± 9462
200
100
0
−100
−200
−300
pull
Entries 77
Mean −4.915
Std Dev 73.38
2
1
0
−1
−2

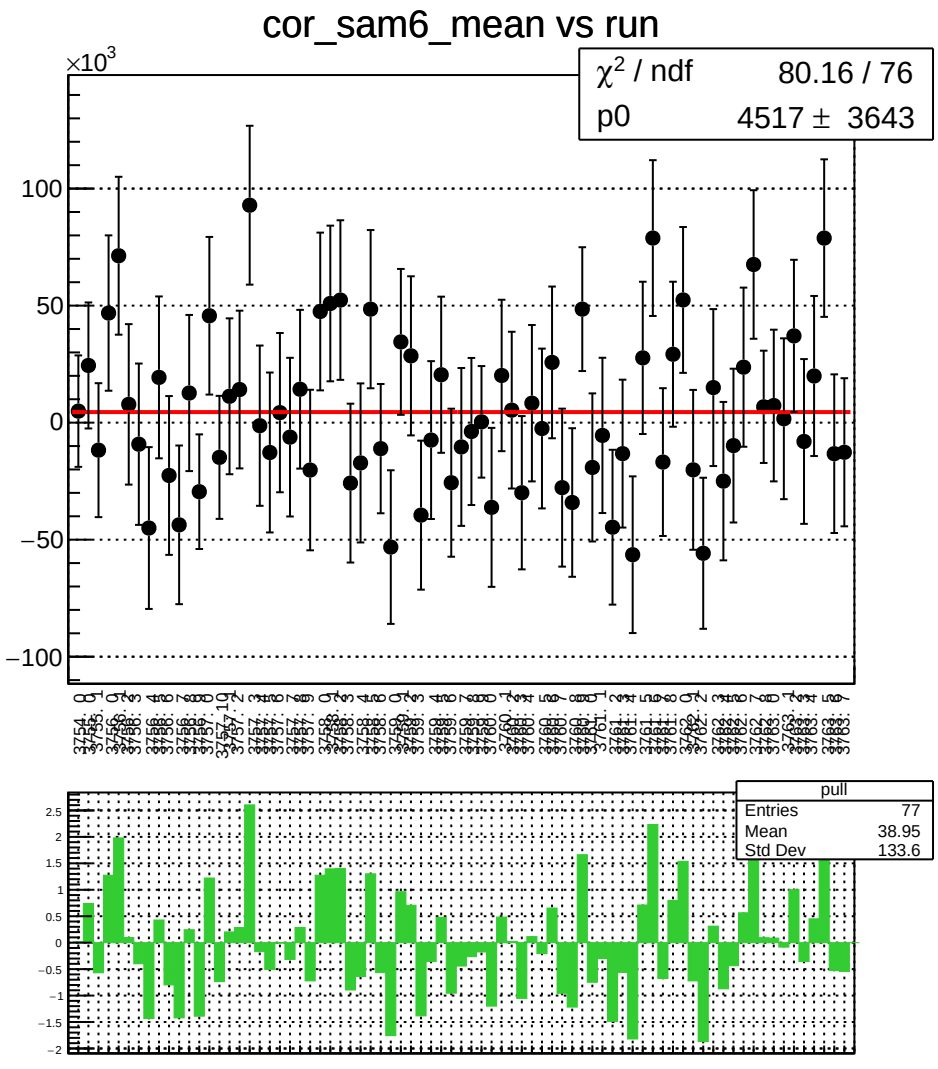

pull1D
Entries 77
Mean −0.01465
Std Dev 0.9866
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

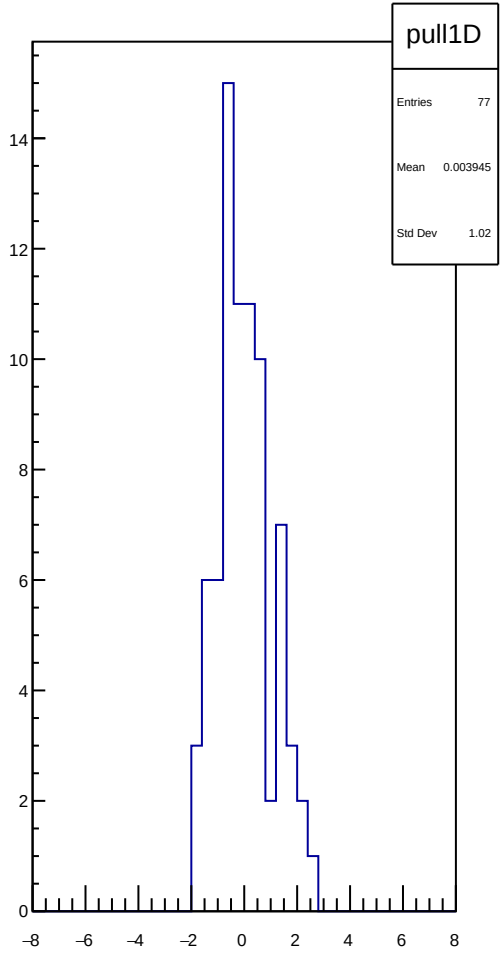

cor_sam4_rms vs run
χ^2 / ndf 985.4 / 76
p0 8132 ± 6.691
8600
8400
8200
8000
7800
7600
7400

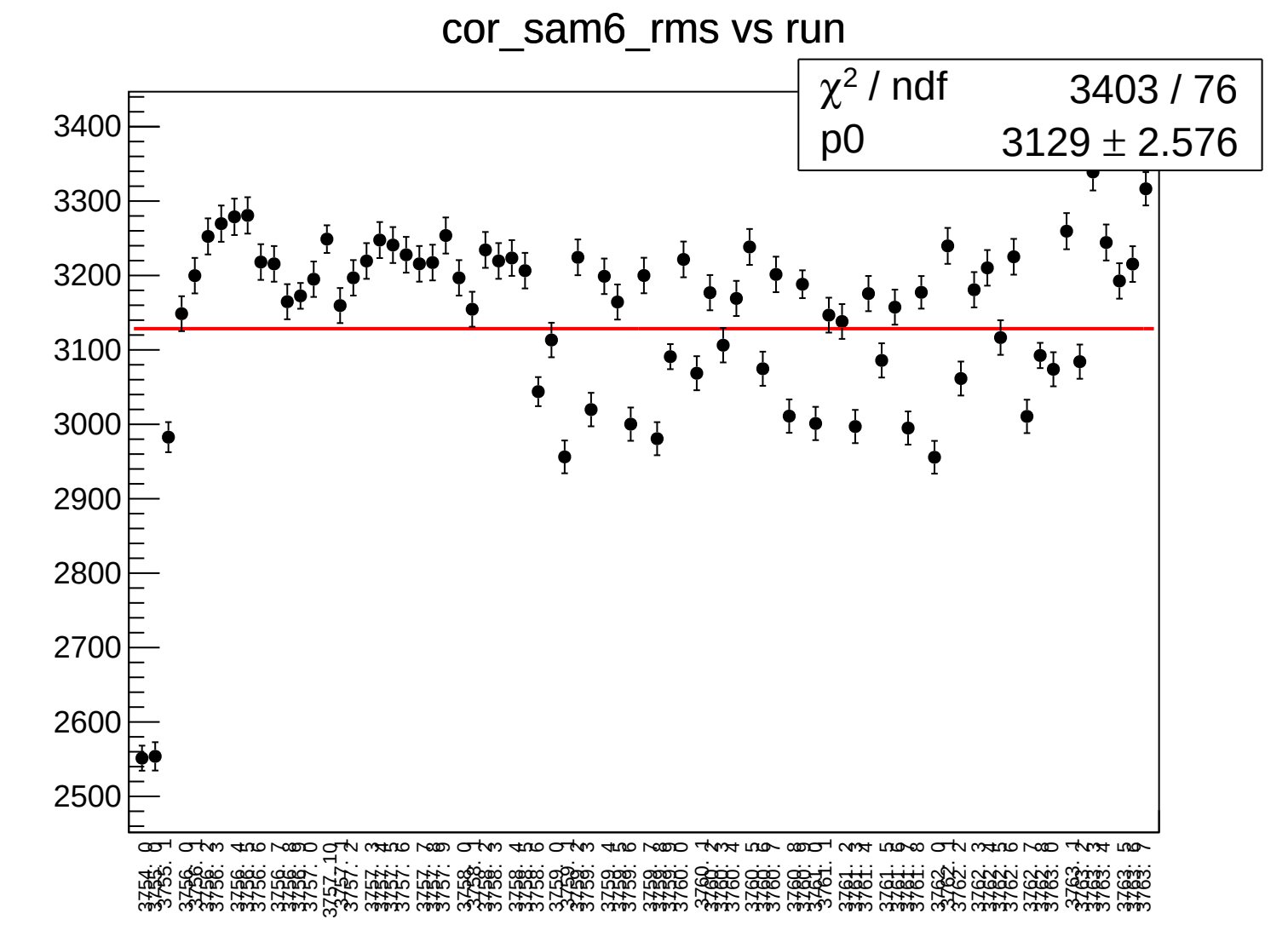

cor_sam5_mean vs run
χ² / ndf 62.65 / 76
p0 539.1± 1729
40000
20000
0
−20000
−40000
pull
Entries 77
Mean −85.45
Std Dev 96.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

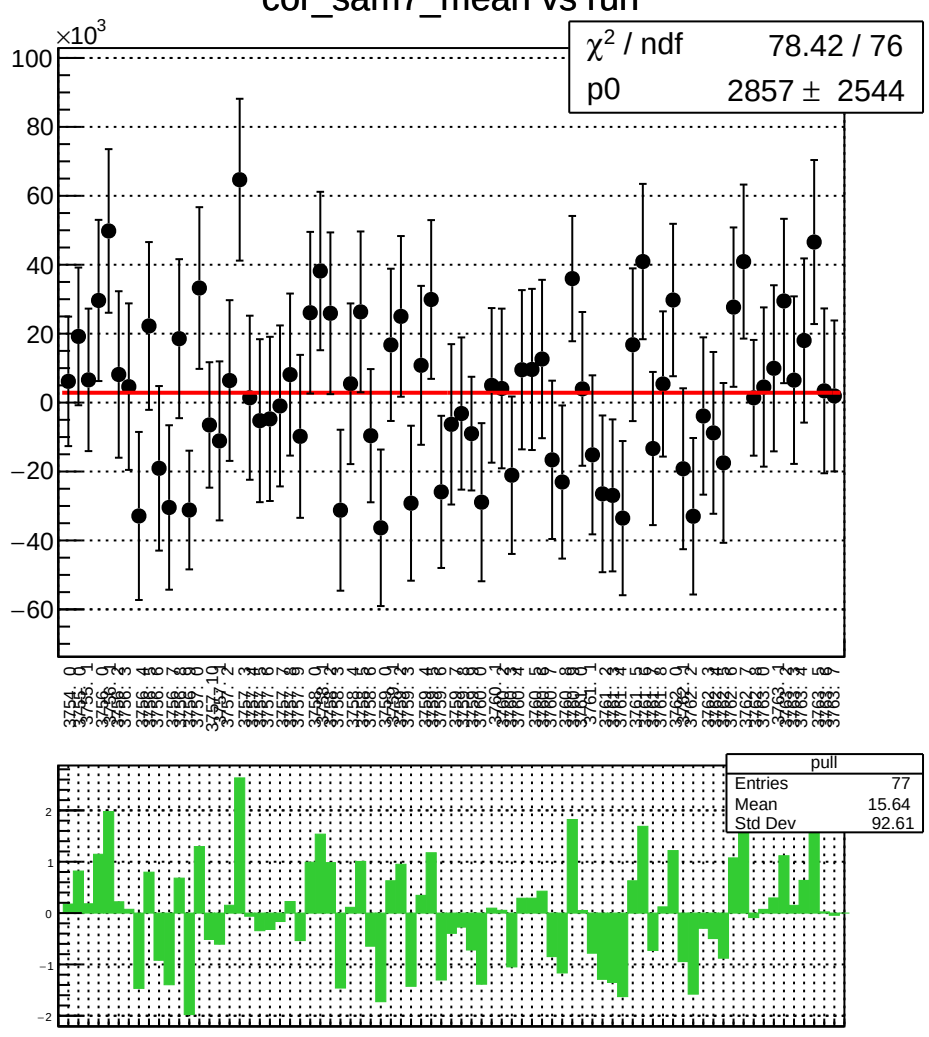

pull1D
Entries 77
Mean −0.01415
Std Dev 0.9019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

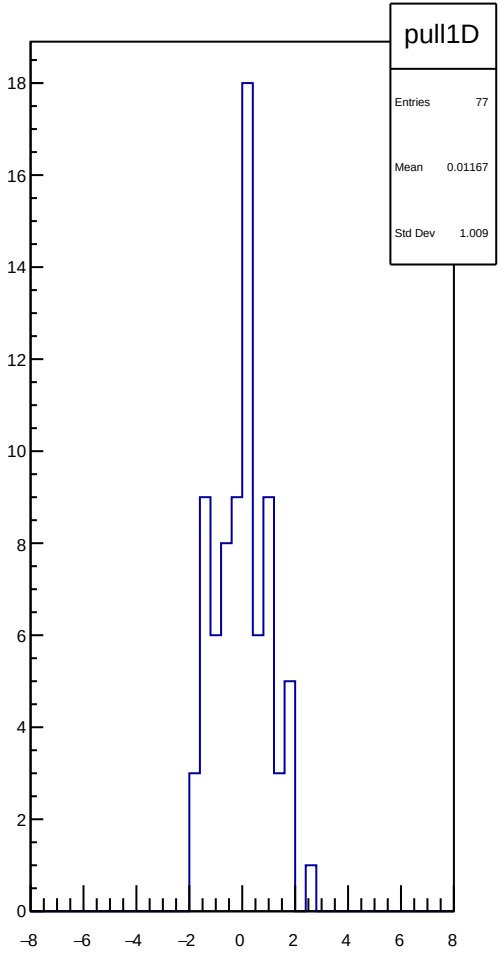

cor_sam5_rms vs run
χ² / ndf 8349 / 76
p0 1482 ± 1.223
1700
1600
1500
1400
1300
1200
1100
1000

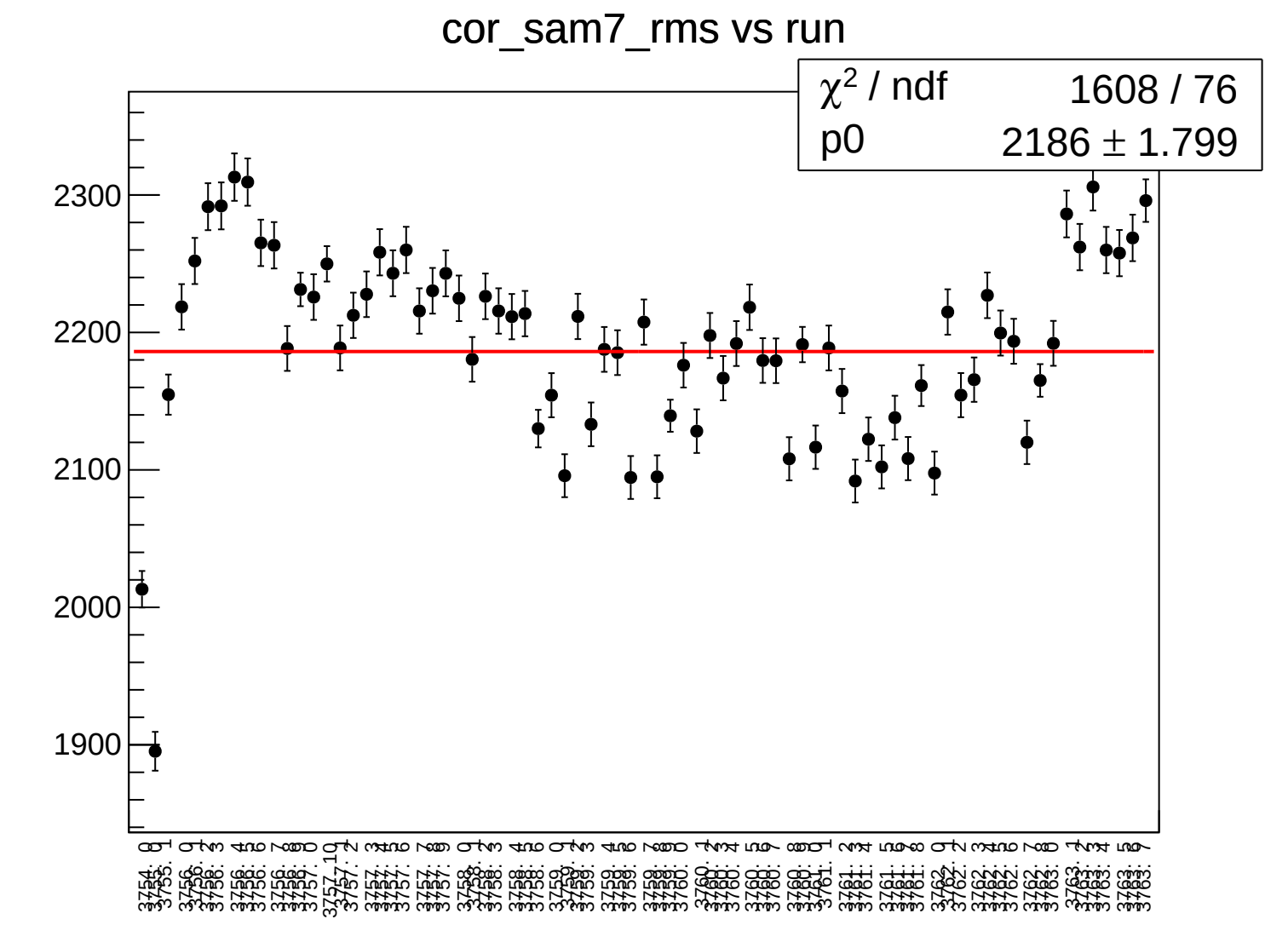

cor_sam6_mean vs run
×10^3
χ^2 / ndf 80.16 / 76
p0 4517 ± 3643
100
50
0
−50
−100
pull
Entries 77
Mean 38.95
Std Dev 133.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

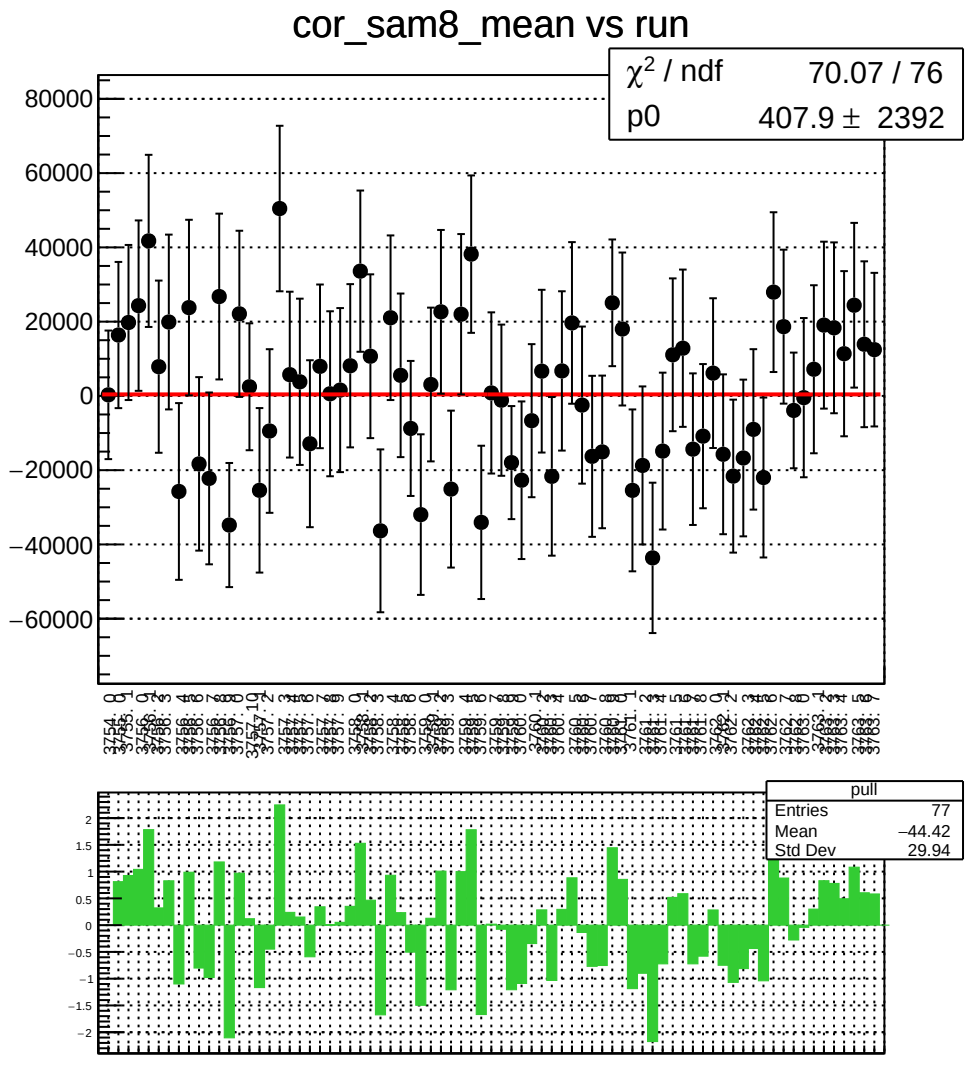

pull1D
Entries 77
Mean 0.003945
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

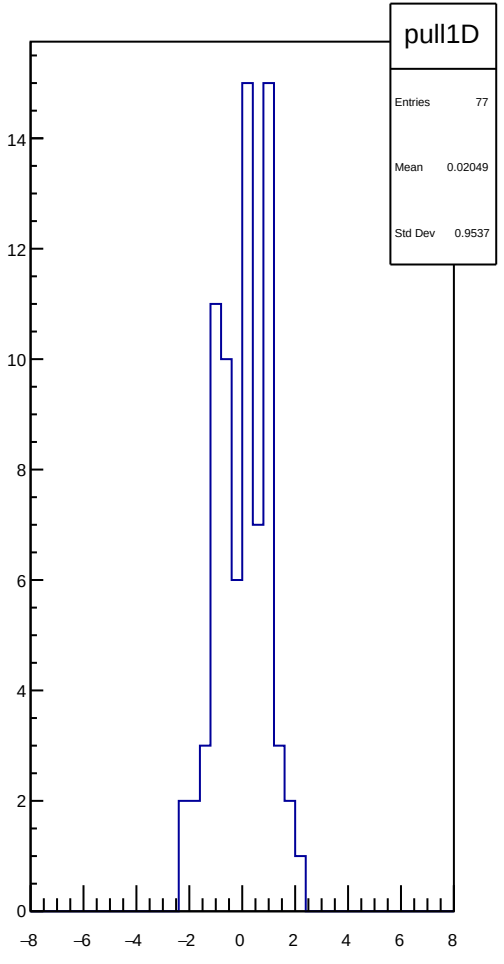

cor_sam6_rms vs run
χ² / ndf 3403 / 76
p0 3129 ± 2.576
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500

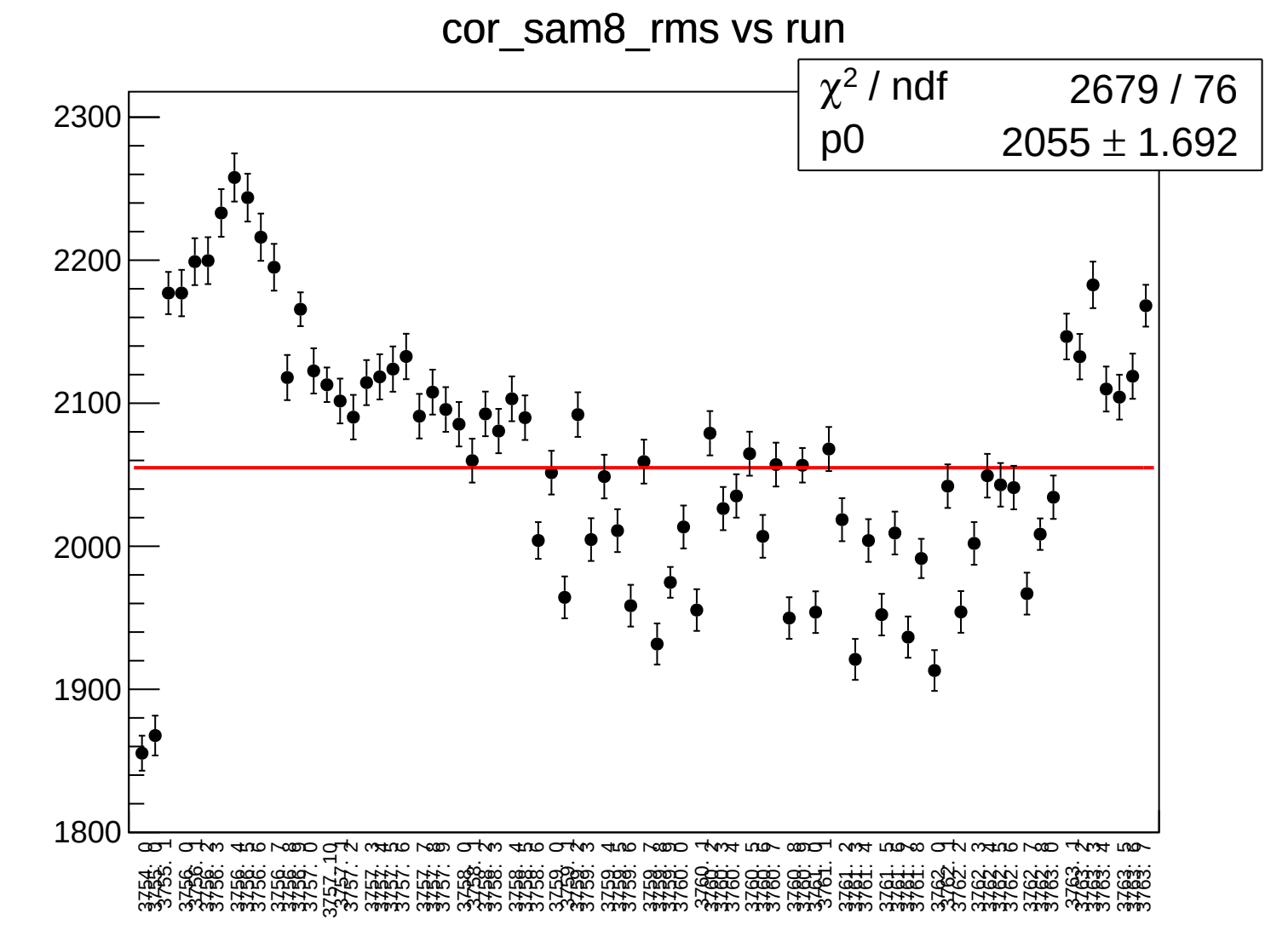

cor_sam7_mean vs run
χ² / ndf 78.42 / 76
p0 2857 ± 2544
×10³
pull
Entries 77
Mean 15.64
Std Dev 92.61

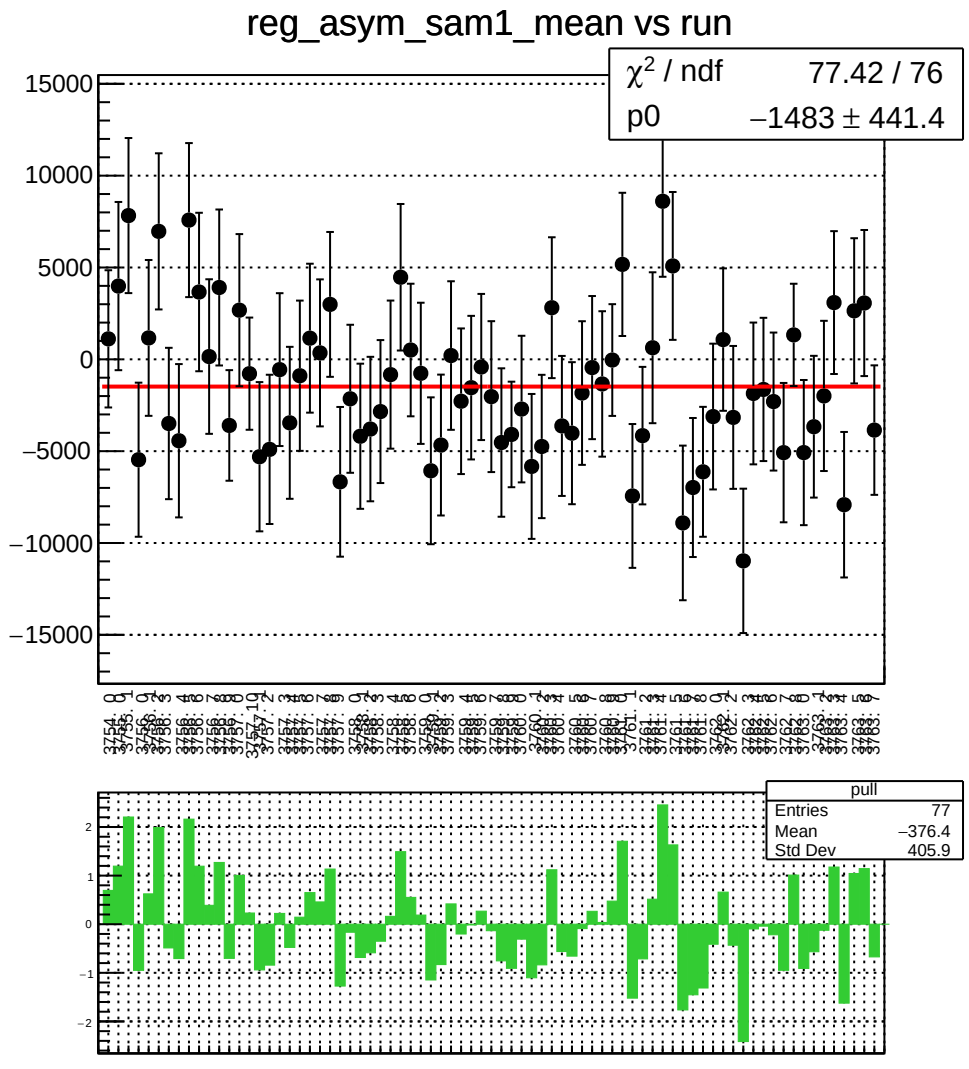

pull1D
Entries 77
Mean 0.01167
Std Dev 1.009

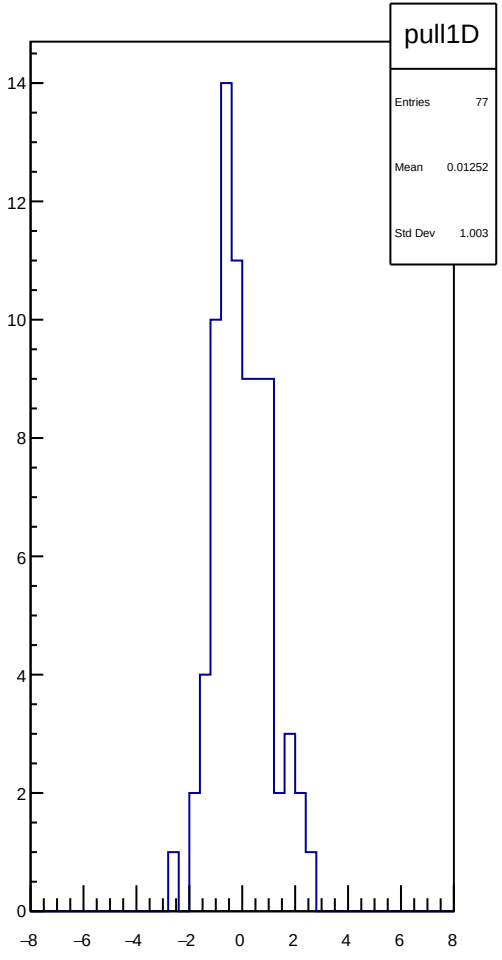

cor_sam7_rms vs run
χ² / ndf 1608 / 76
p0 2186 ± 1.799
2300
2200
2100
2000
1900

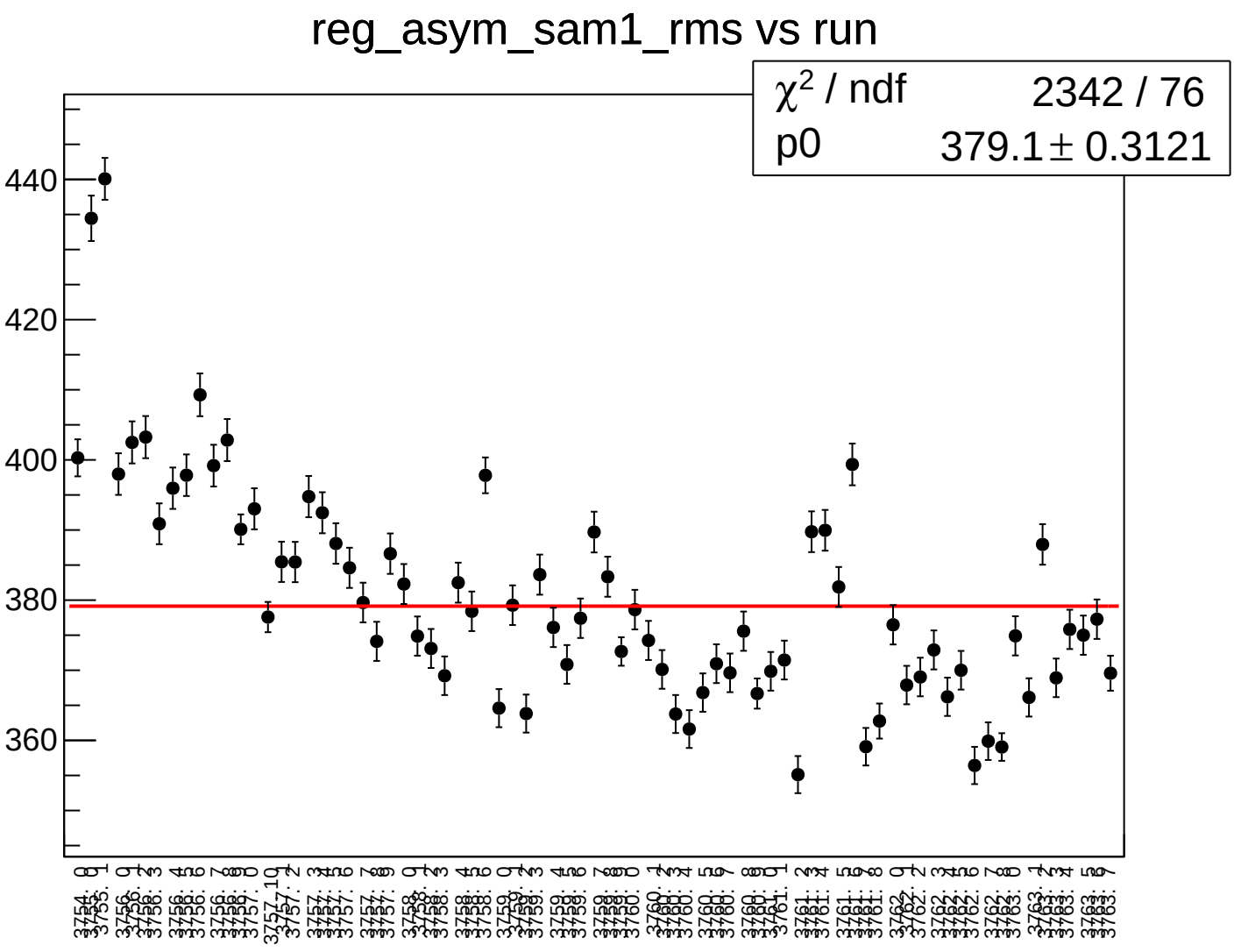

cor_sam8_mean vs run
χ² / ndf 70.07 / 76
p0 407.9 ± 2392
pull
Entries 77
Mean −44.42
Std Dev 29.94

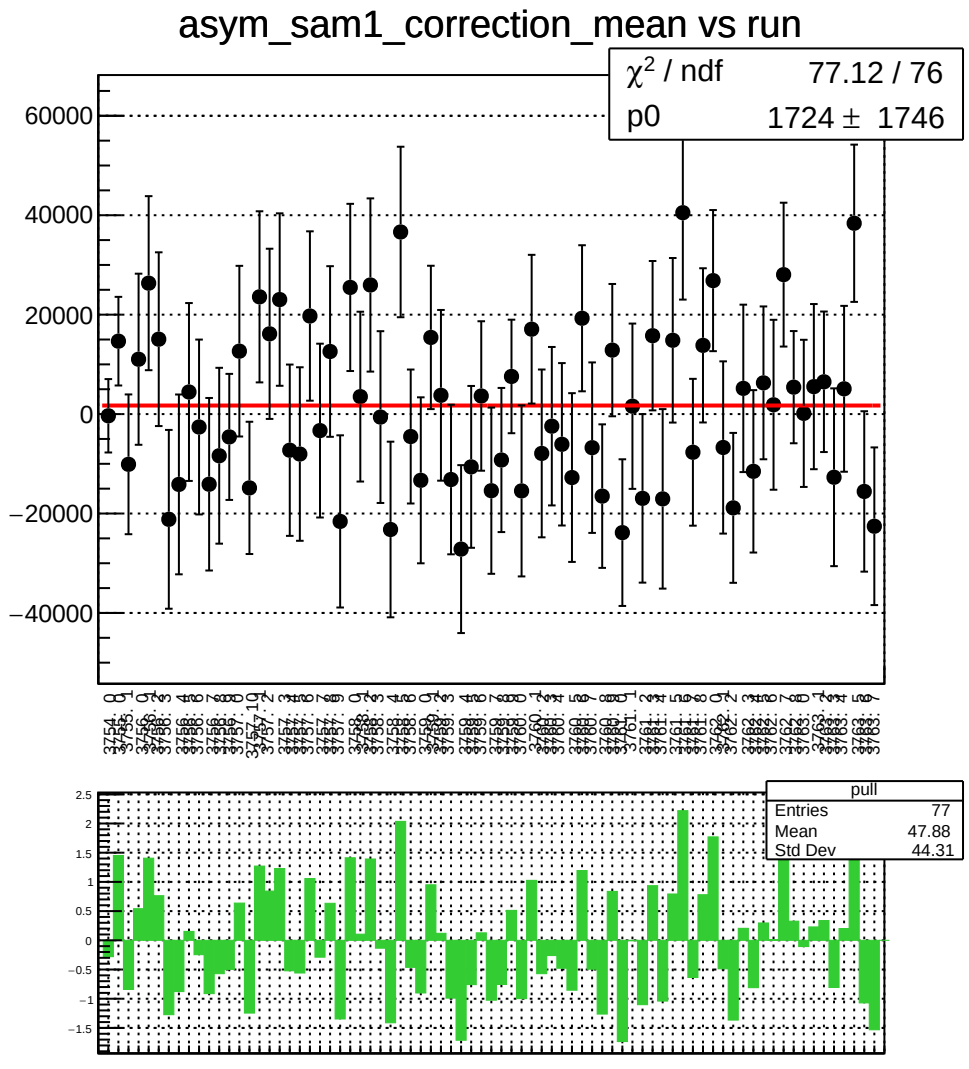

pull1D
Entries 77
Mean 0.02049
Std Dev 0.9537

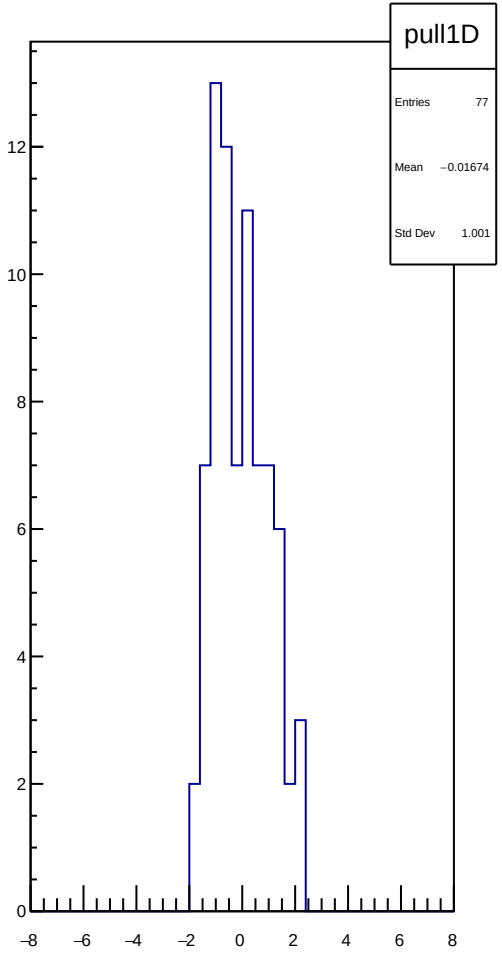

cor_sam8_rms vs run
χ² / ndf 2679 / 76
p0 2055 ± 1.692
2300
2200
2100
2000
1900
1800

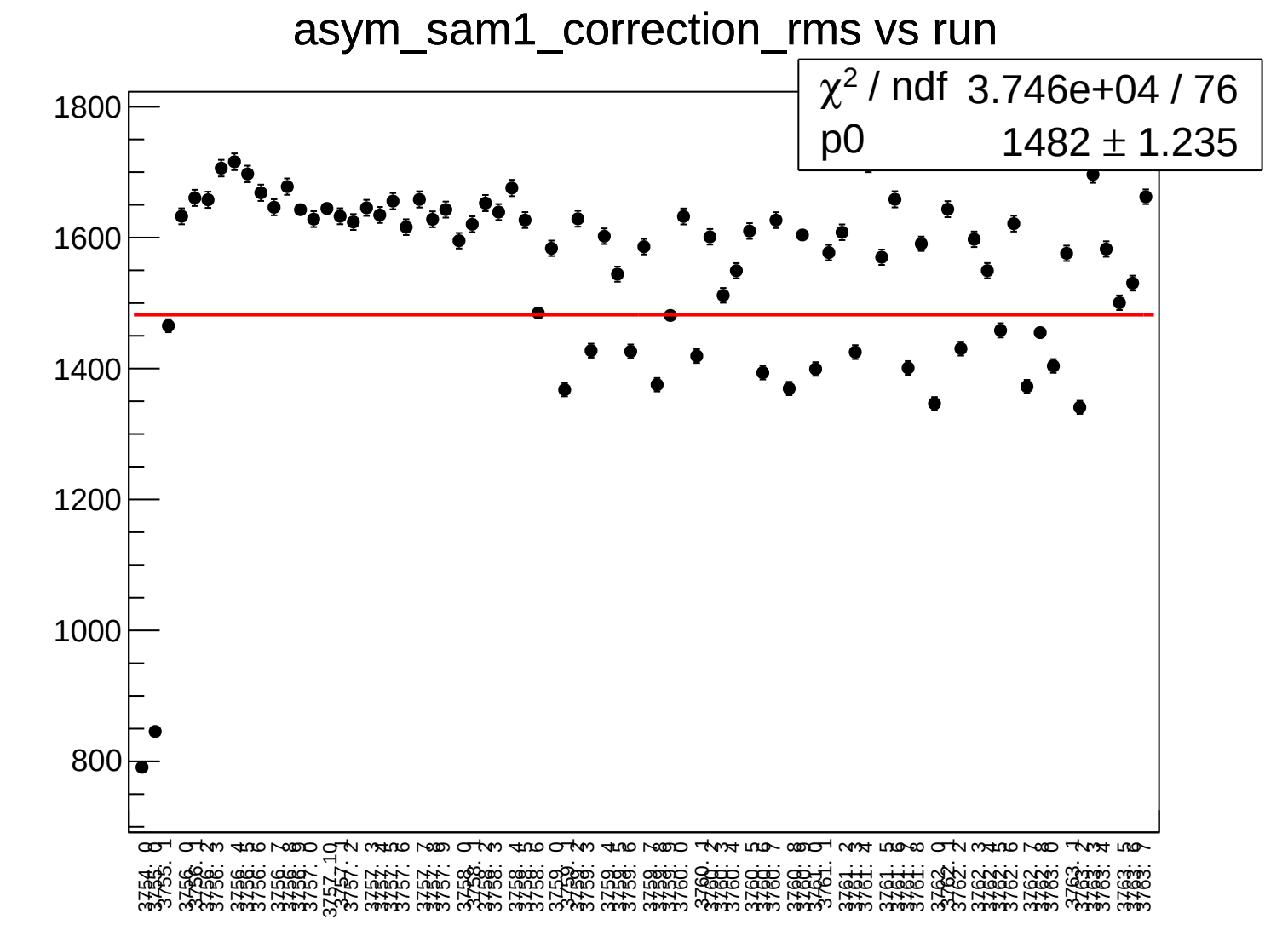

reg_asym_sam1_mean vs run
χ² / ndf 77.42 / 76
p0 −1483 ± 441.4
pull
Entries 77
Mean −376.4
Std Dev 405.9

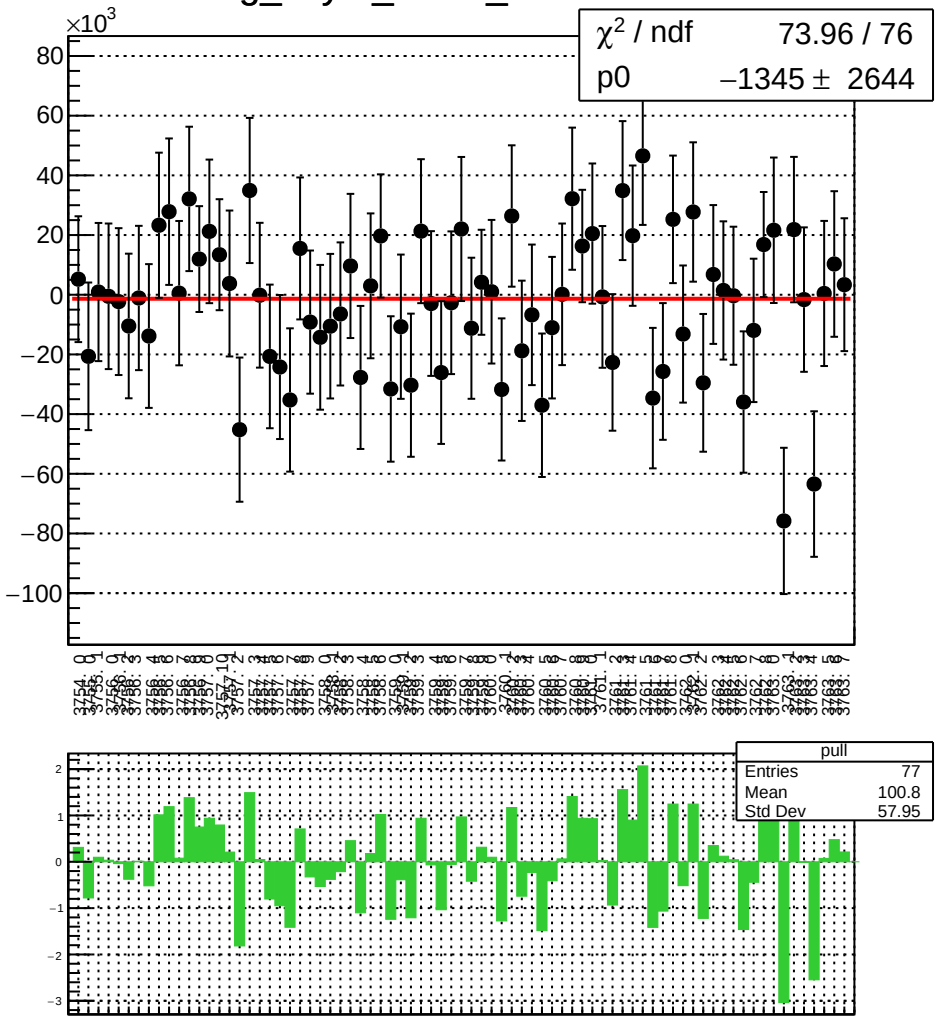

pull1D
Entries 77
Mean 0.01252
Std Dev 1.003

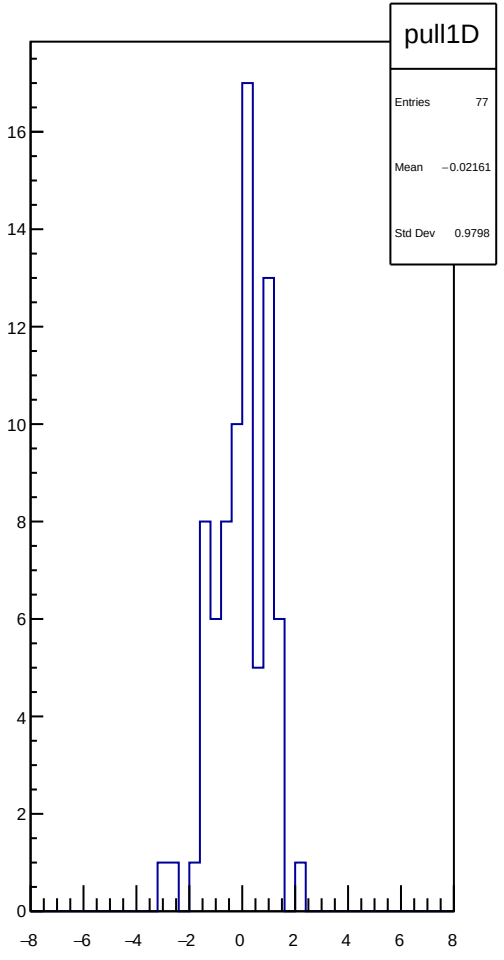

reg_asym_sam1_rms vs run
χ² / ndf 2342 / 76
p0 379.1 ± 0.3121
440
420
400
380
360

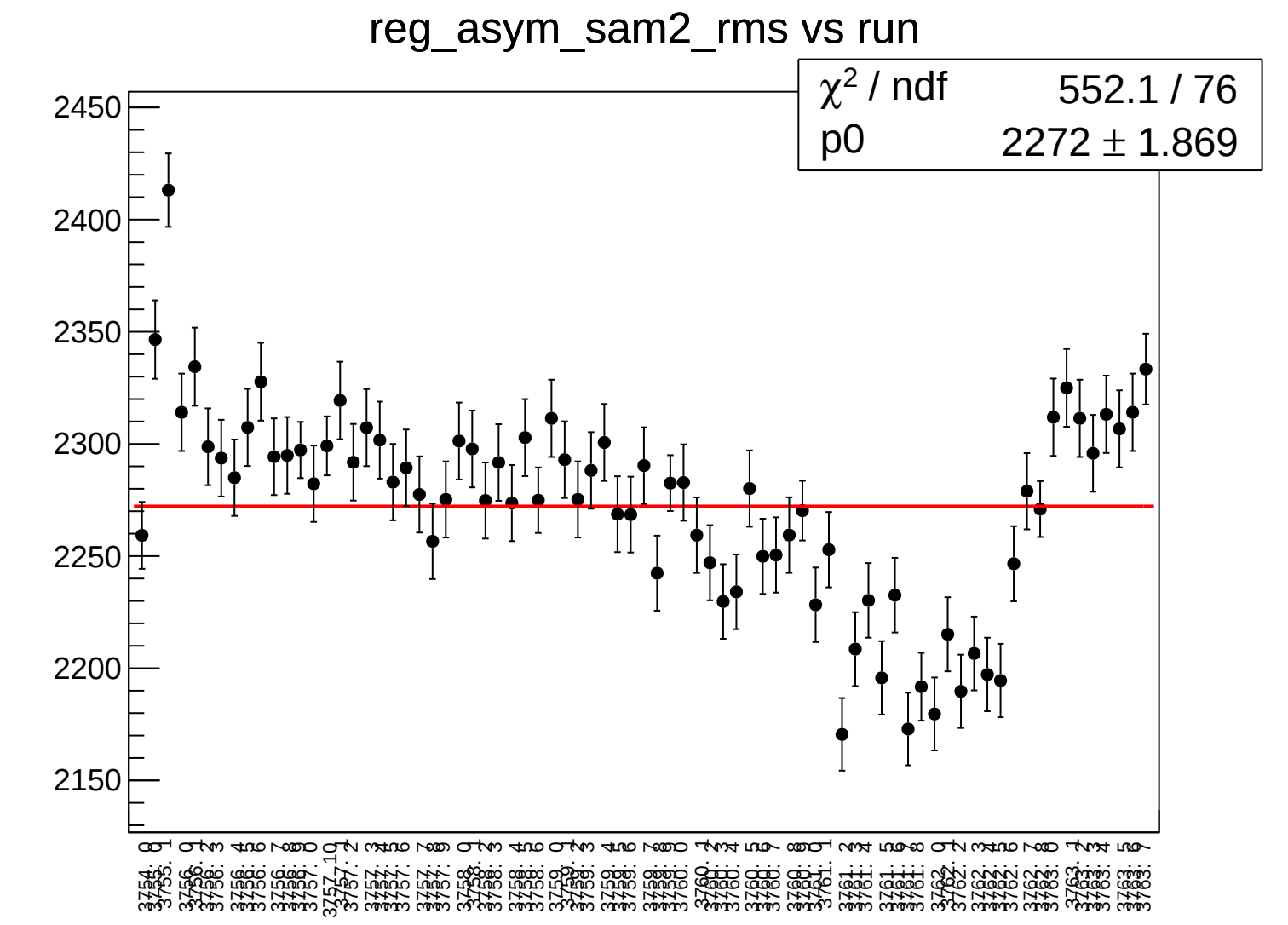

asym_sam1_correction_mean vs run
χ² / ndf 77.12 / 76
p0 1724 ± 1746
60000
40000
20000
0
−20000
−40000
pull
Entries 77
Mean 47.88
Std Dev 44.31
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

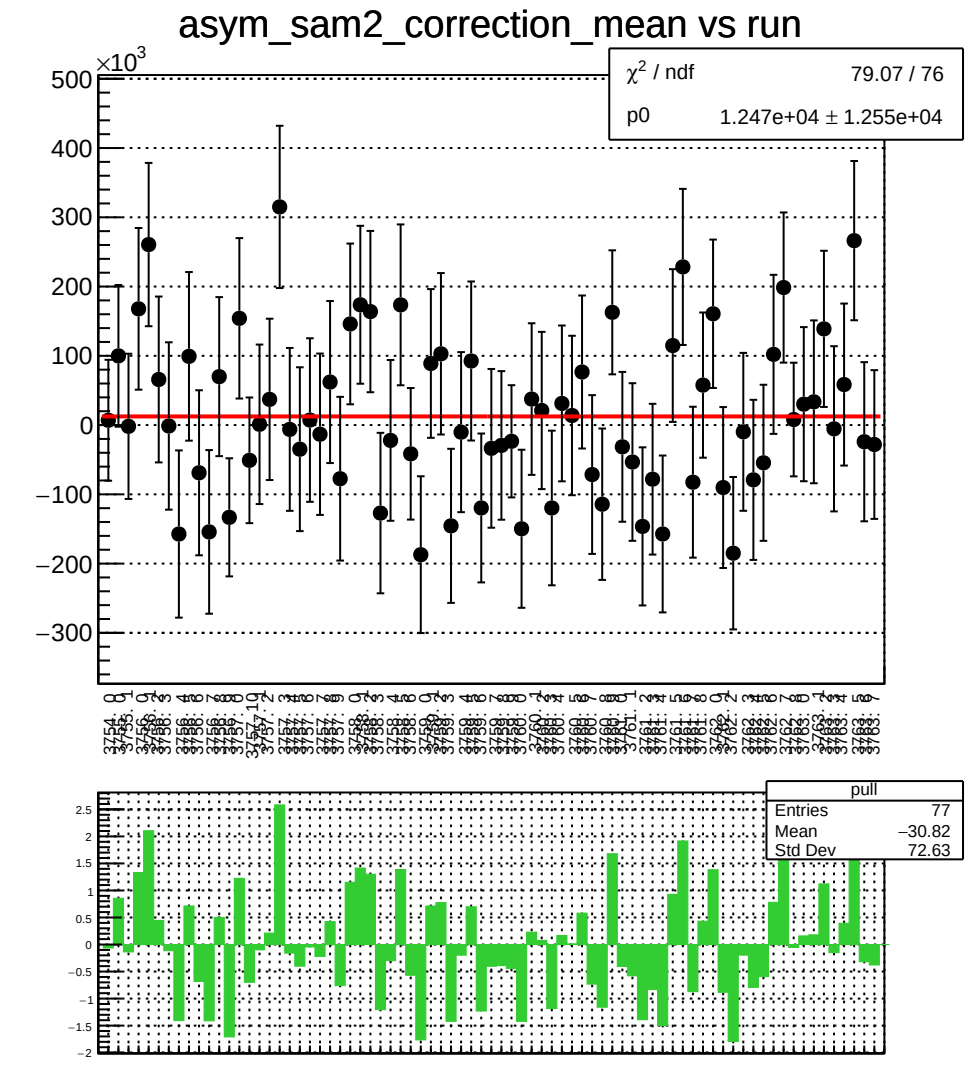

pull1D
Entries 77
Mean −0.01674
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

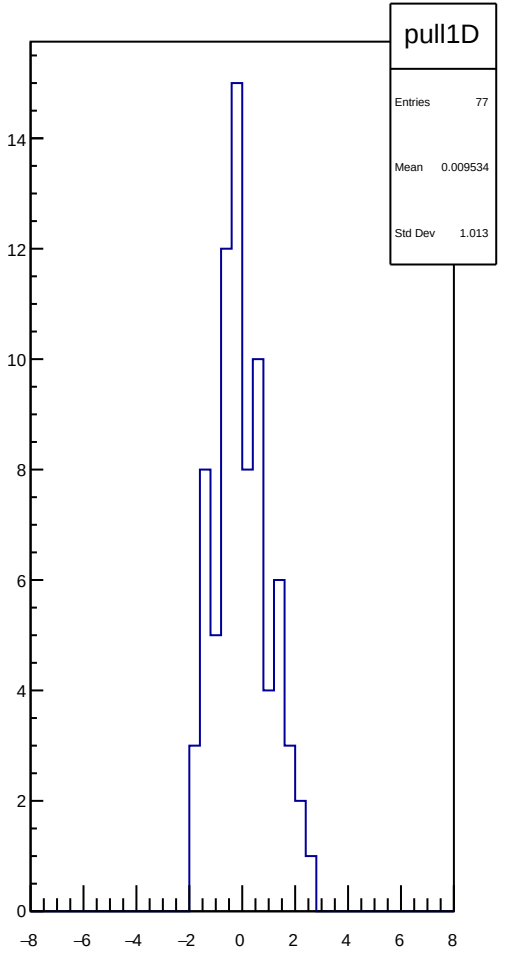

asym_sam1_correction_rms vs run
χ² / ndf 3.746e+04 / 76
p0 1482 ± 1.235
1800
1600
1400
1200
1000
800

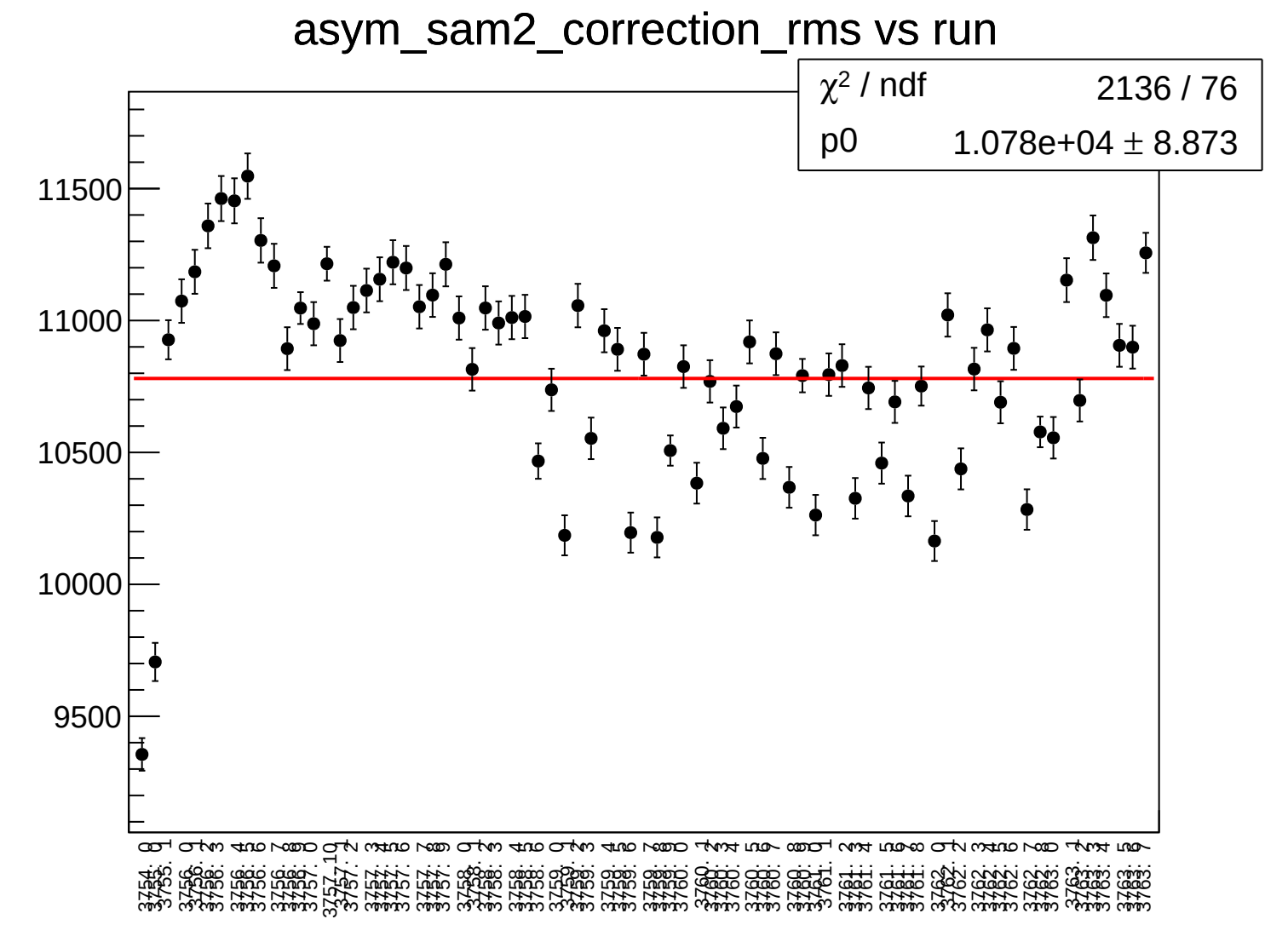

reg_asym_sam2_mean vs run
×10^3
χ^2 / ndf 73.96 / 76
p0 −1345 ± 2644
pull
Entries 77
Mean 100.8
Std Dev 57.95

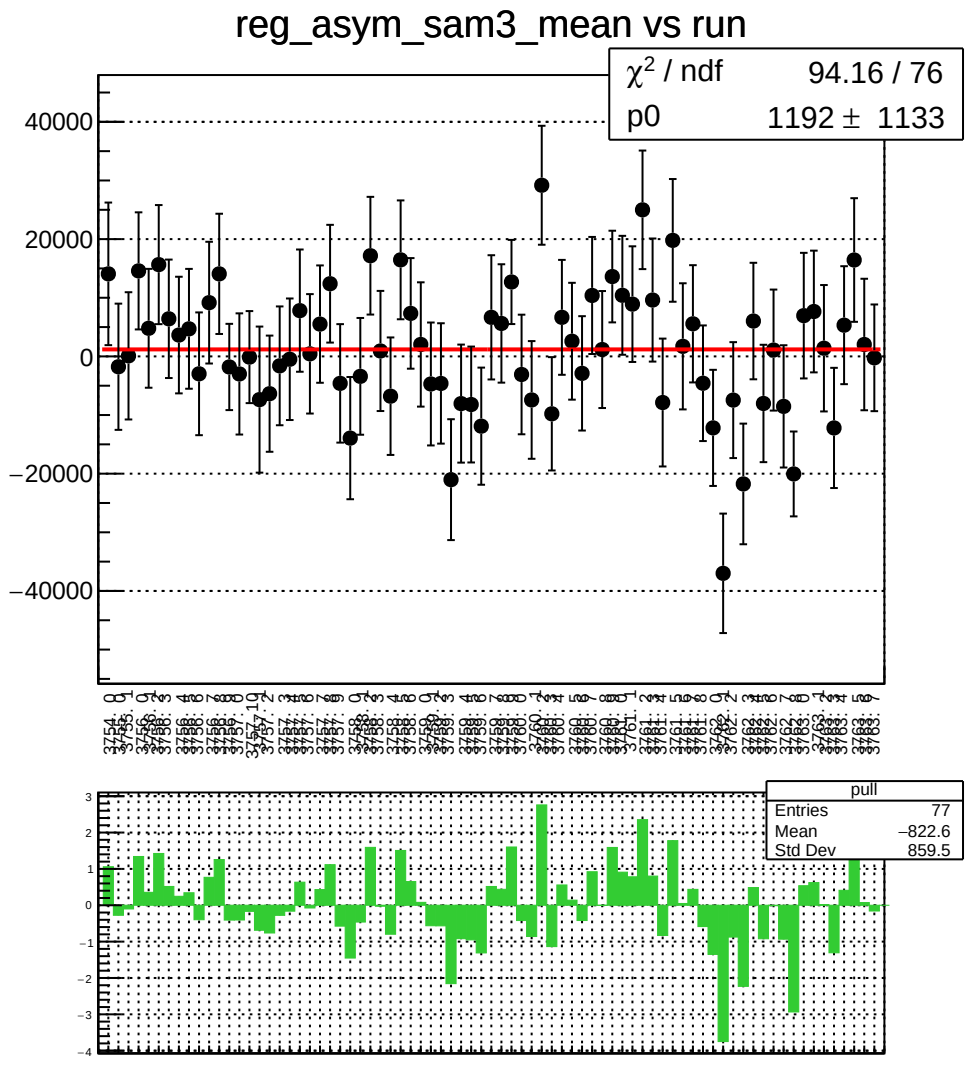

pull1D
Entries 77
Mean −0.02161
Std Dev 0.9798

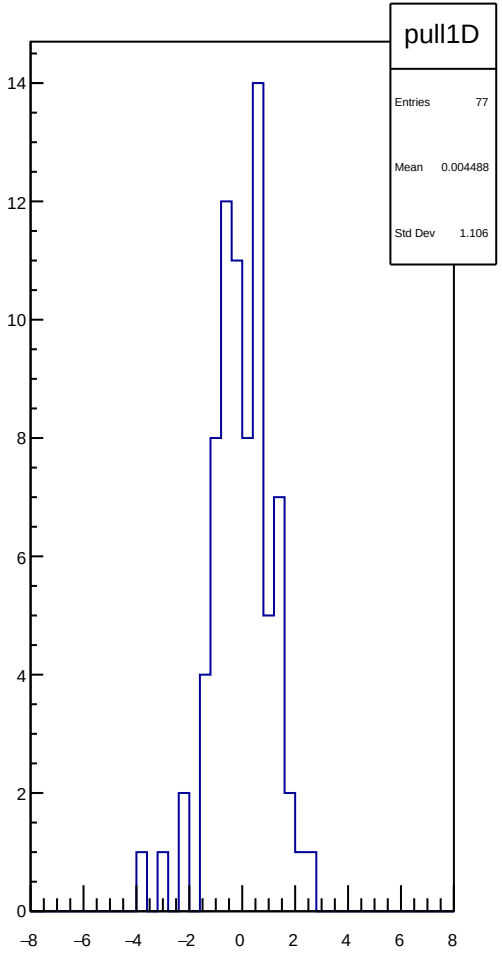

reg_asym_sam2_rms vs run
χ² / ndf 552.1 / 76
p0 2272 ± 1.869
2450
2400
2350
2300
2250
2200
2150

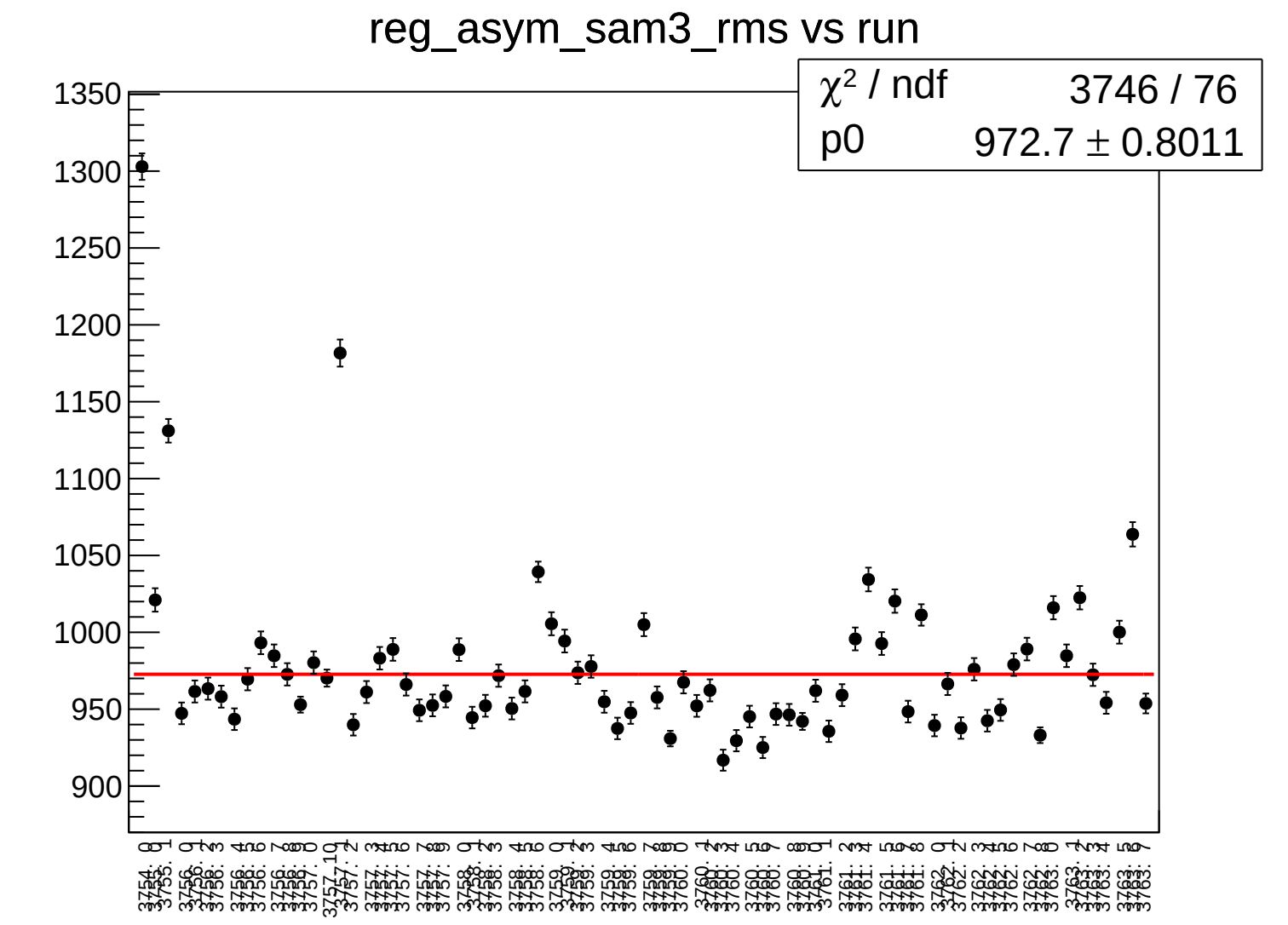

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 79.07 / 76
p0 1.247e+04 ± 1.255e+04
pull
Entries 77
Mean −30.82
Std Dev 72.63

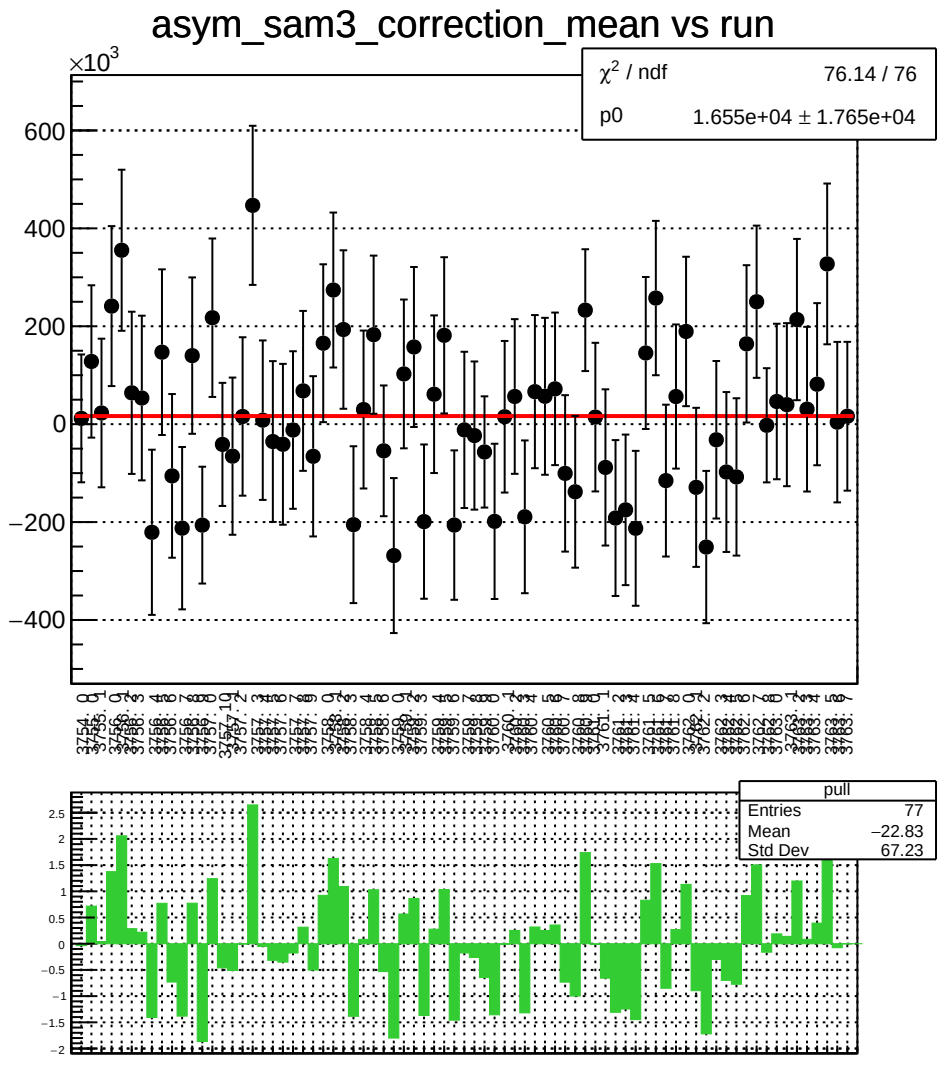

pull1D
Entries 77
Mean 0.009534
Std Dev 1.013

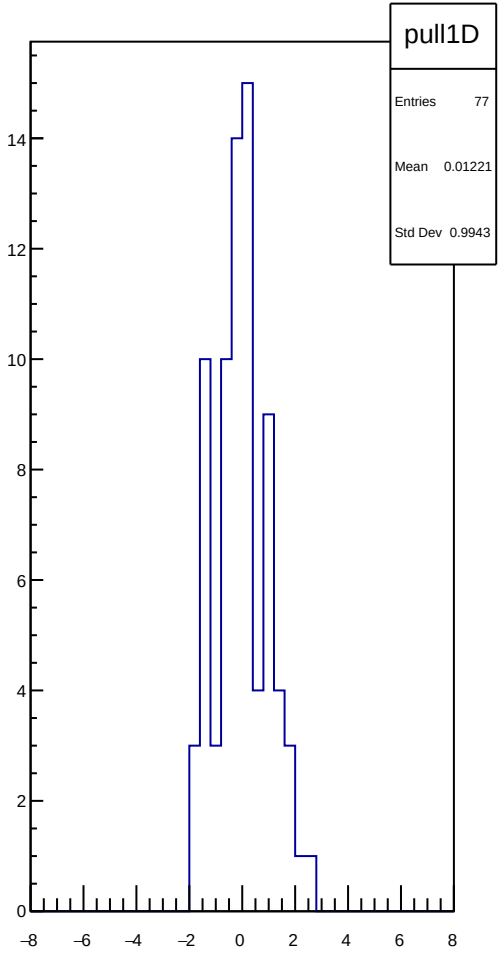

asym_sam2_correction_rms vs run
χ² / ndf 2136 / 76
p0 1.078e+04 ± 8.873
11500
11000
10500
10000
9500


reg_asym_sam3_mean vs run
χ² / ndf 94.16 / 76
p0 1192 ± 1133
40000
20000
0
−20000
−40000
pull
Entries 77
Mean −822.6
Std Dev 859.5
3
2
1
0
−1
−2
−3
−4

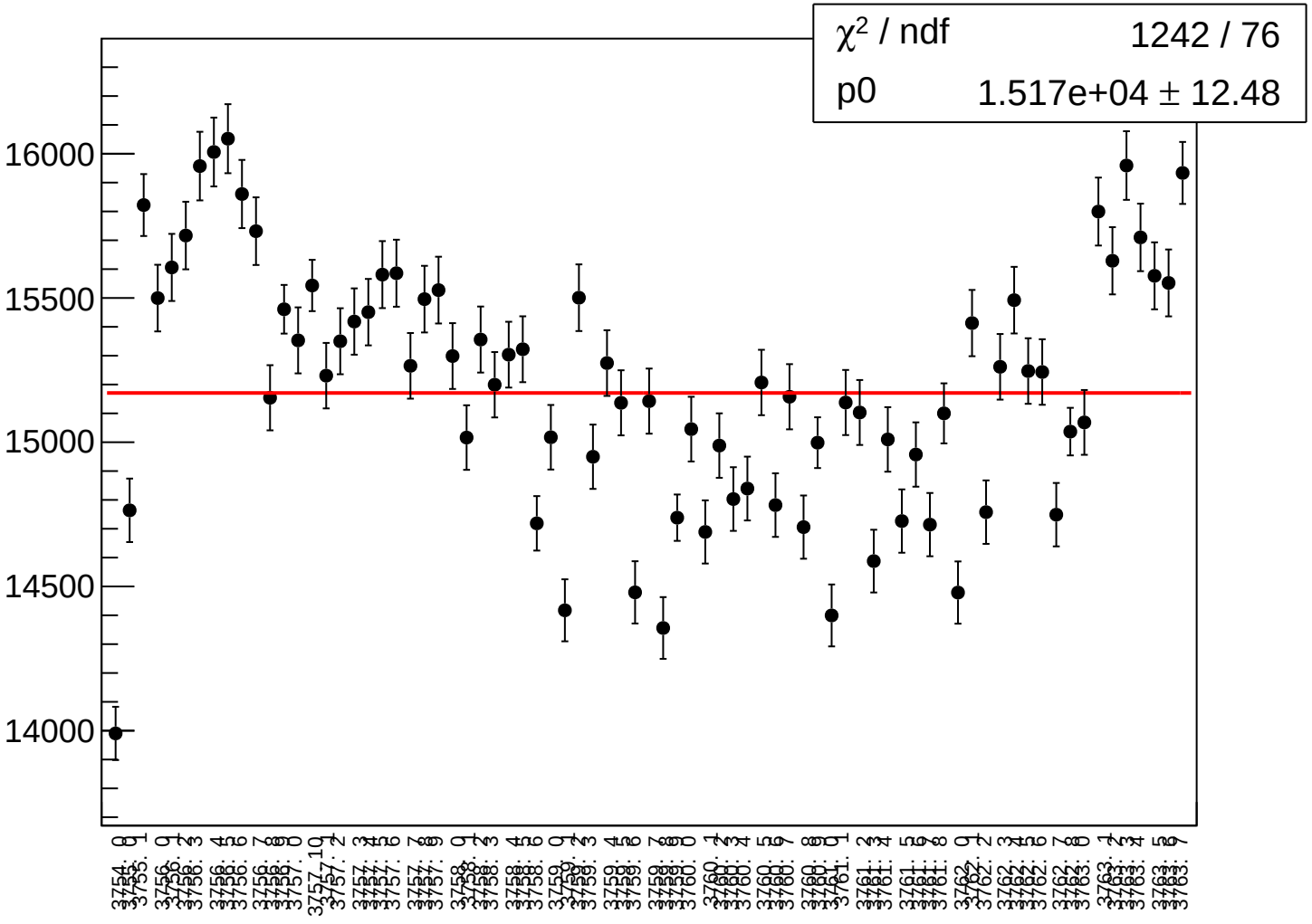

pull1D
Entries 77
Mean 0.004488
Std Dev 1.106
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

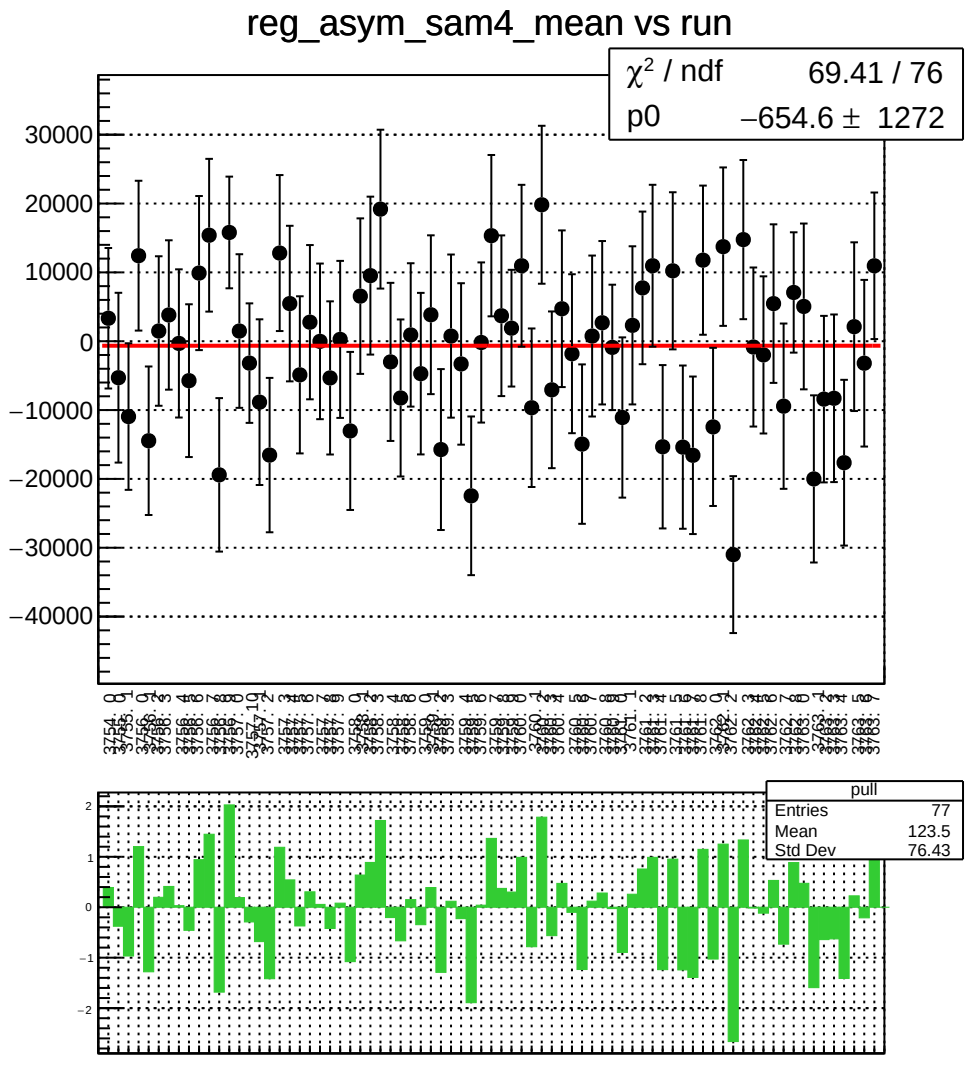

reg_asym_sam3_rms vs run
χ² / ndf 3746 / 76
p0 972.7 ± 0.8011
1350
1300
1250
1200
1150
1100
1050
1000
950
900

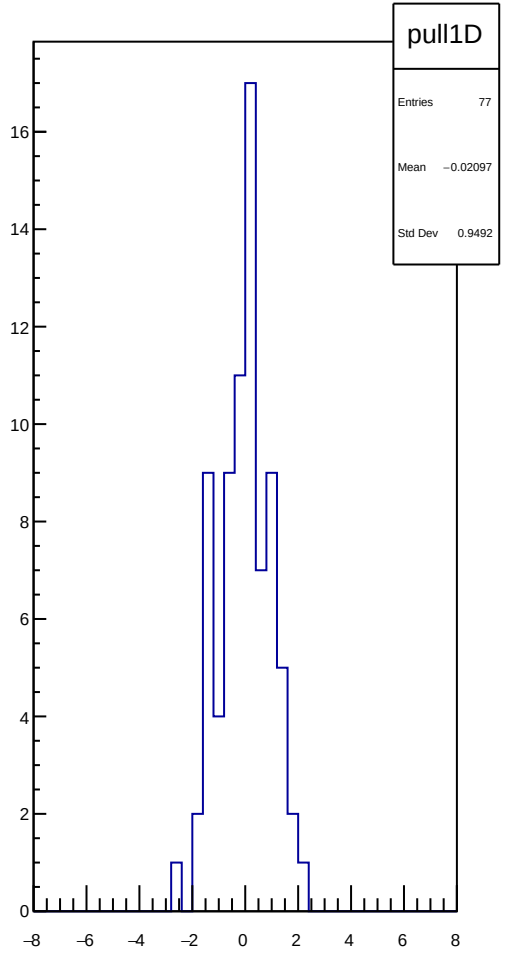

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 76.14 / 76
p0 1.655e+04 ± 1.765e+04
600
400
200
0
−200
−400
pull
Entries 77
Mean −22.83
Std Dev 67.23
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

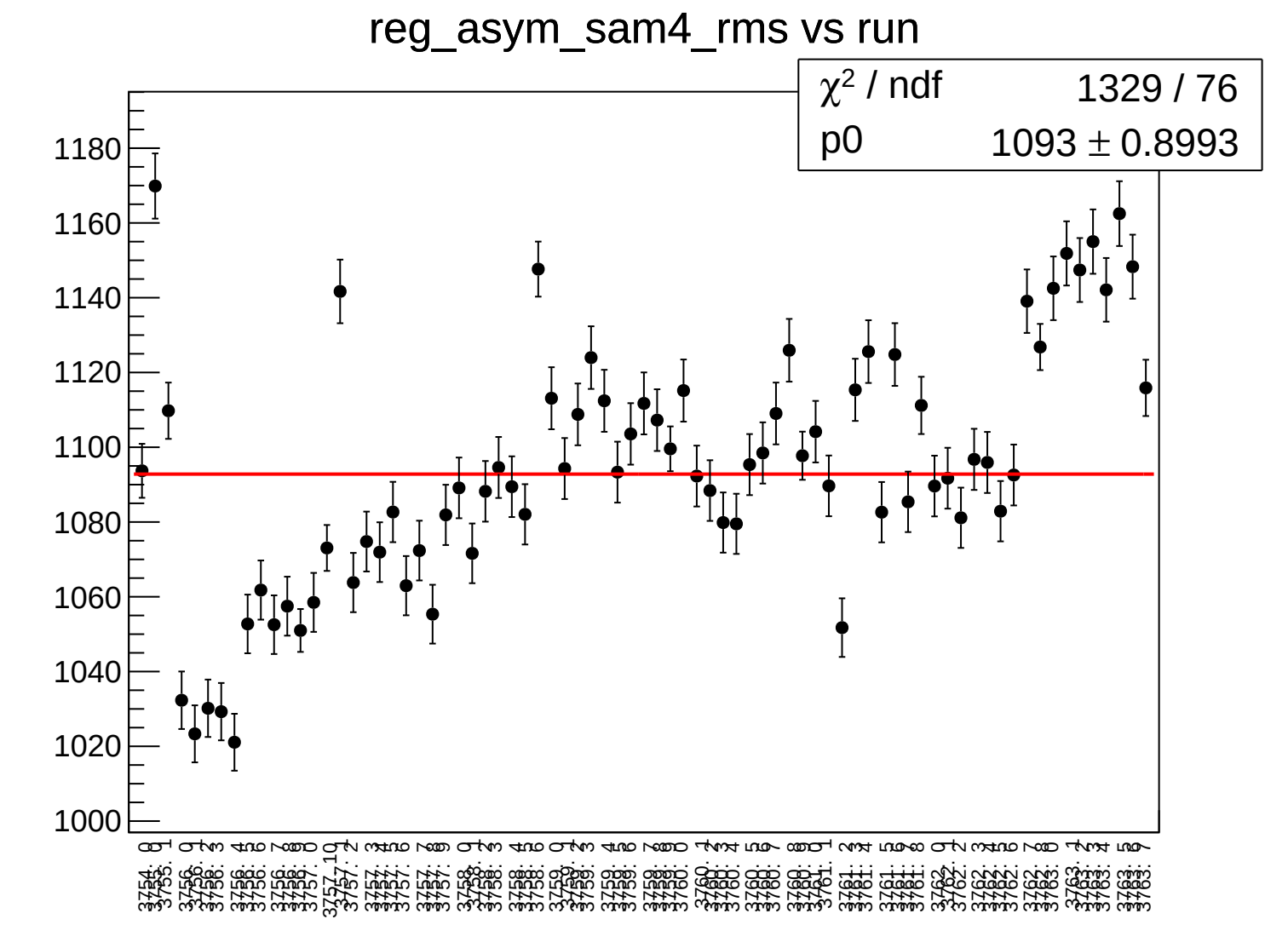

pull1D
Entries 77
Mean 0.01221
Std Dev 0.9943
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

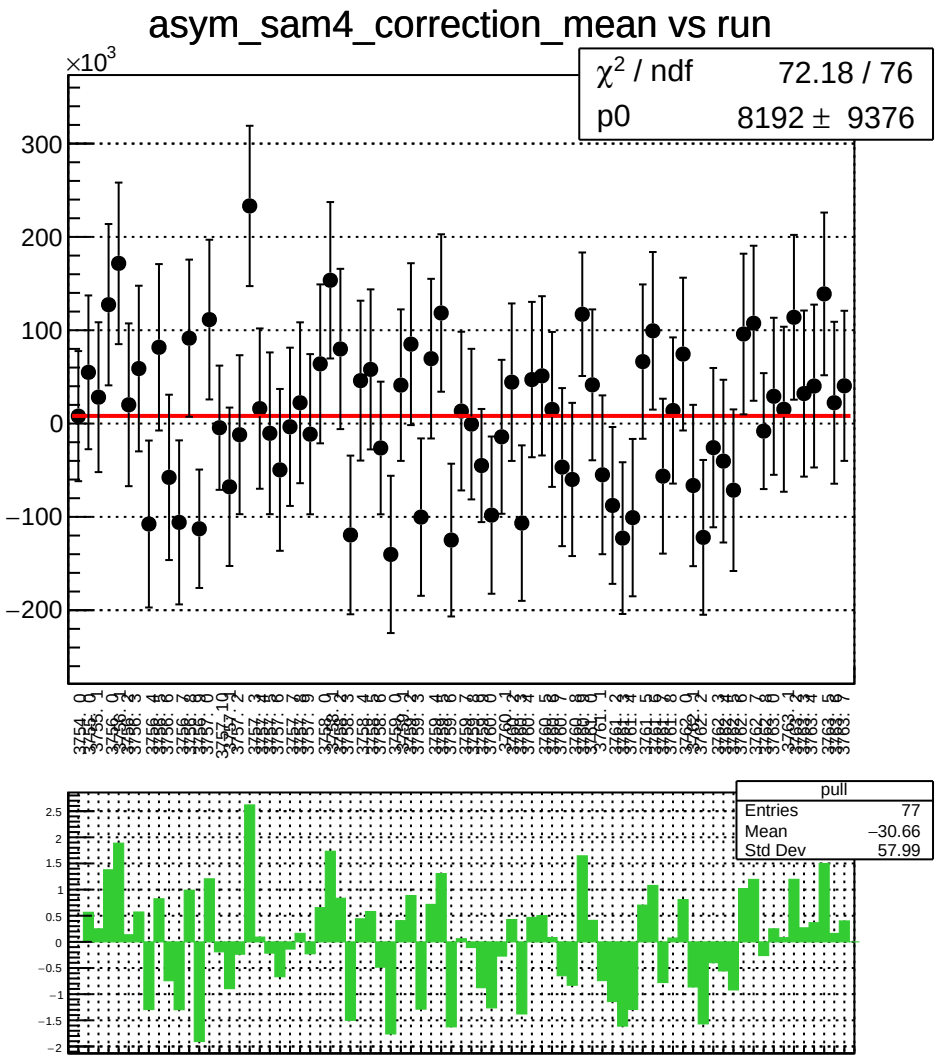
asym_sam3_correction_rms vs run

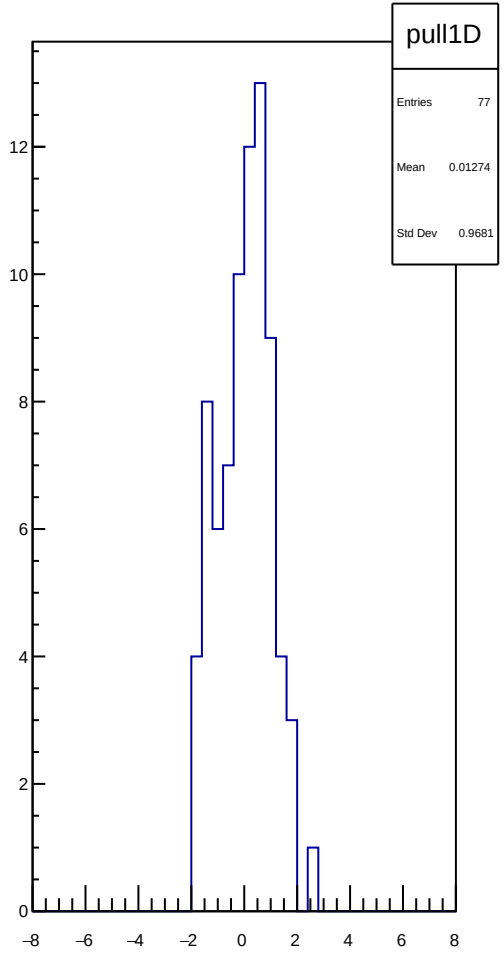


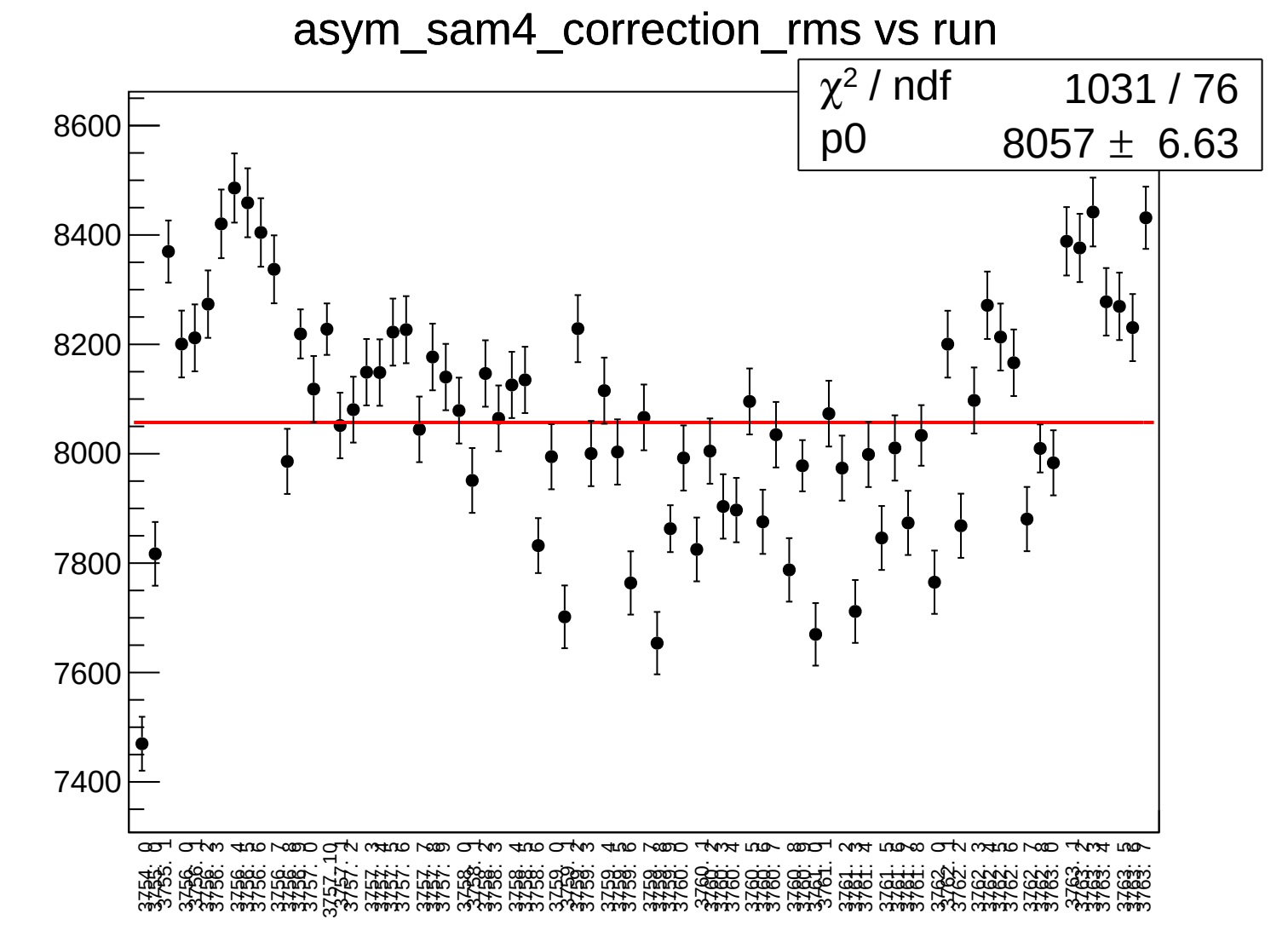

reg_asym_sam4_mean vs run
χ² / ndf 69.41 / 76
p0 −654.6 ± 1272
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 77
Mean 123.5
Std Dev 76.43
2
1
0
−1
−2

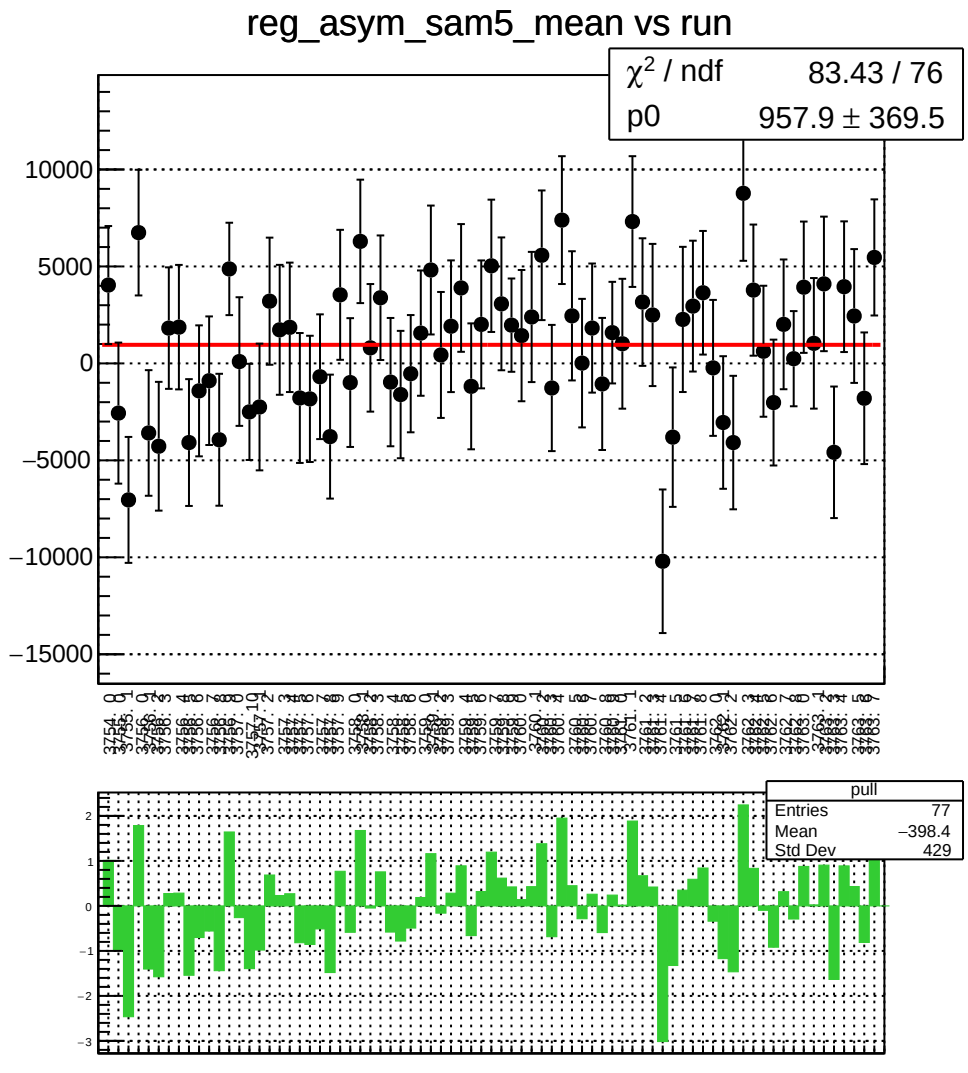

pull1D
Entries 77
Mean −0.02097
Std Dev 0.9492
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

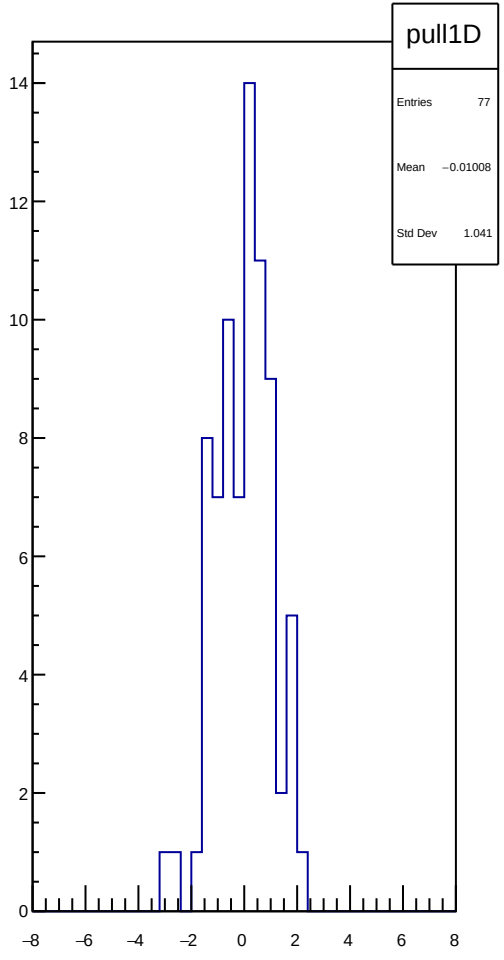

reg_asym_sam4_rms vs run
χ² / ndf 1329 / 76
p0 1093 ± 0.8993
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000

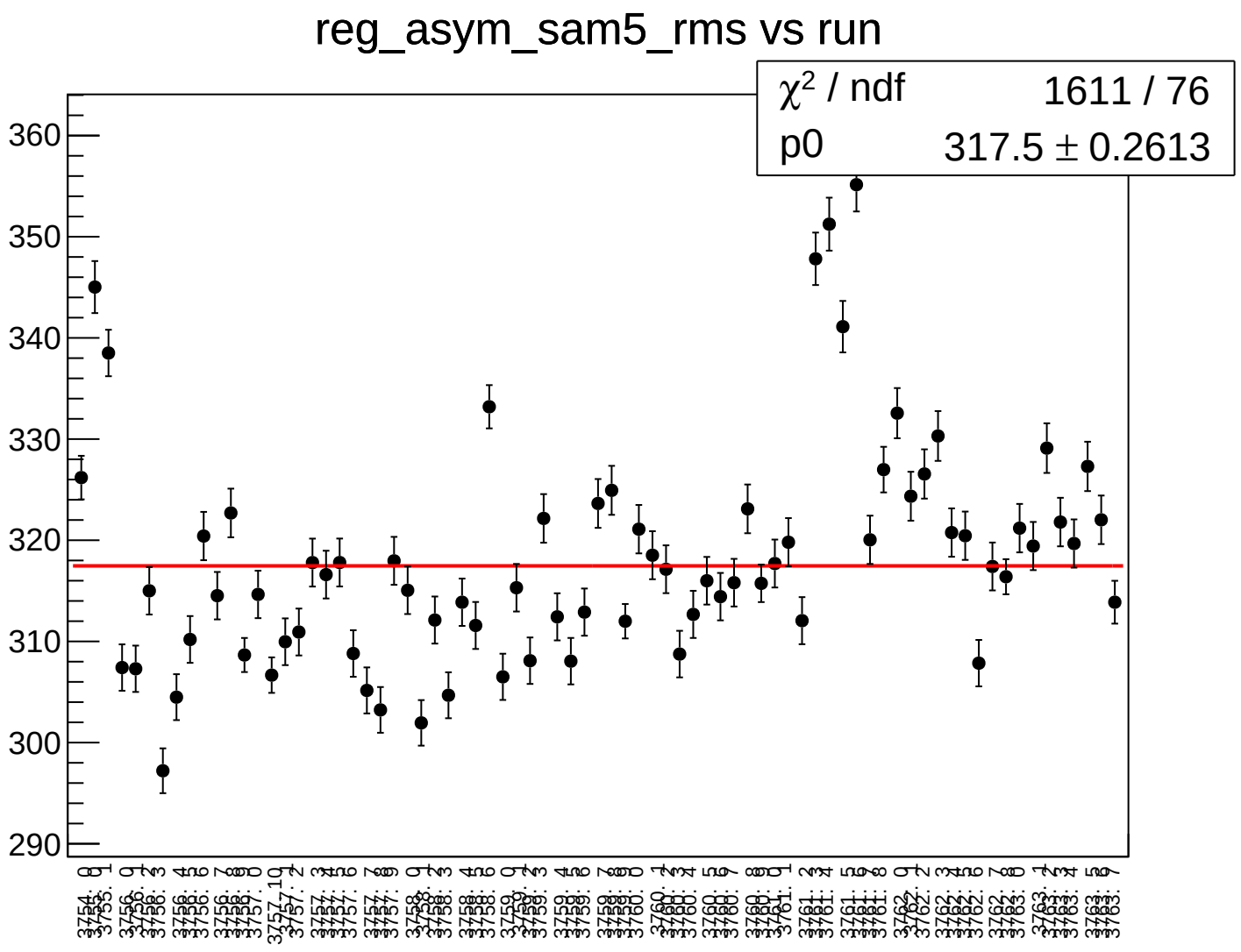

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 72.18 / 76
p0 8192 ± 9376
300
200
100
0
−100
−200
pull
Entries 77
Mean −30.66
Std Dev 57.99
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

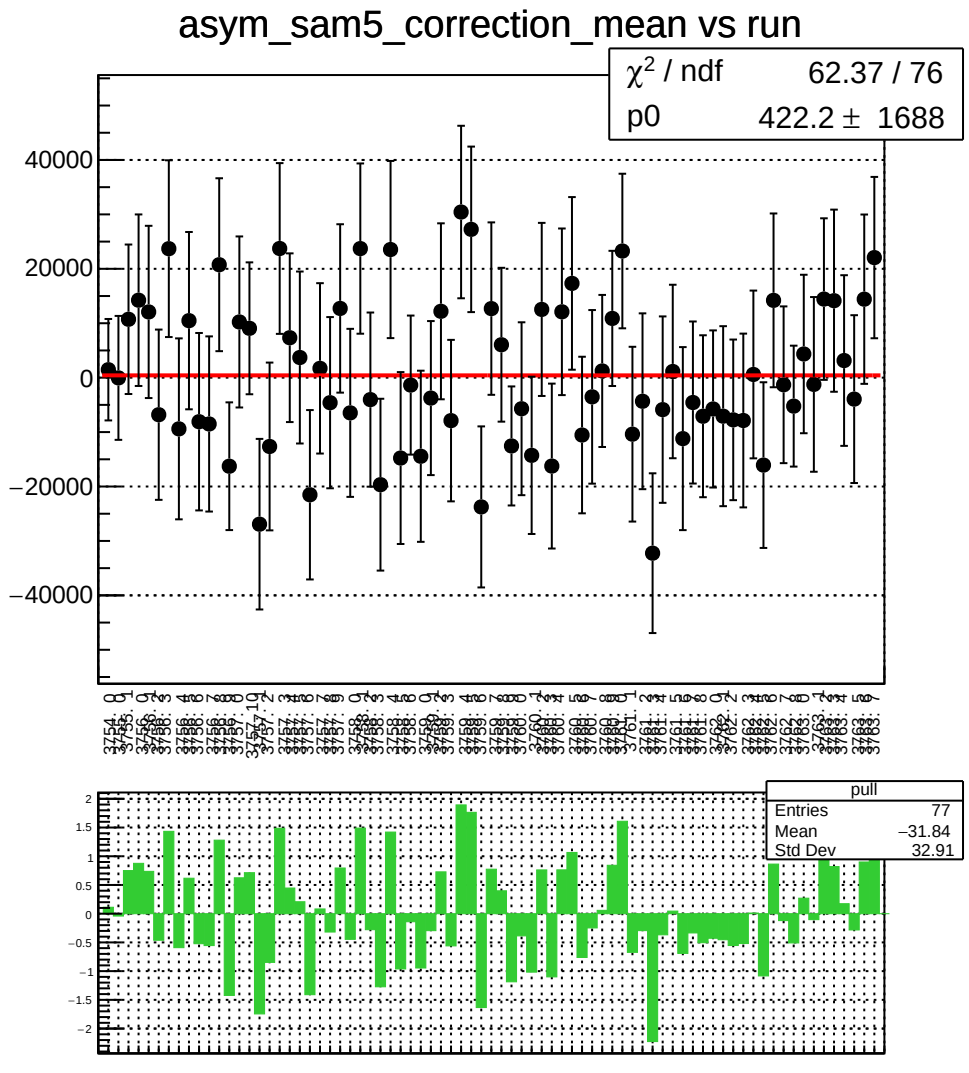

pull1D
Entries 77
Mean 0.01274
Std Dev 0.9681
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

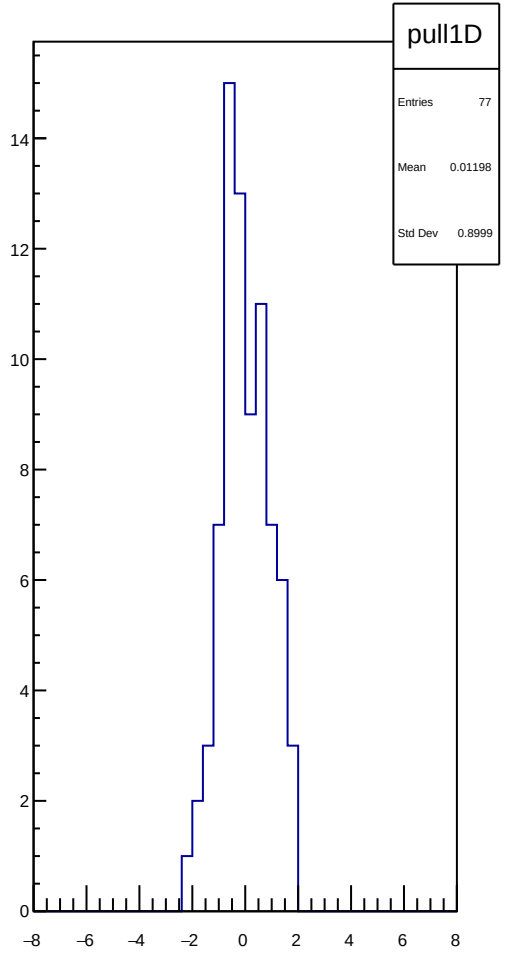

asym_sam4_correction_rms vs run
χ² / ndf 1031 / 76
p0 8057 ± 6.63
8600
8400
8200
8000
7800
7600
7400

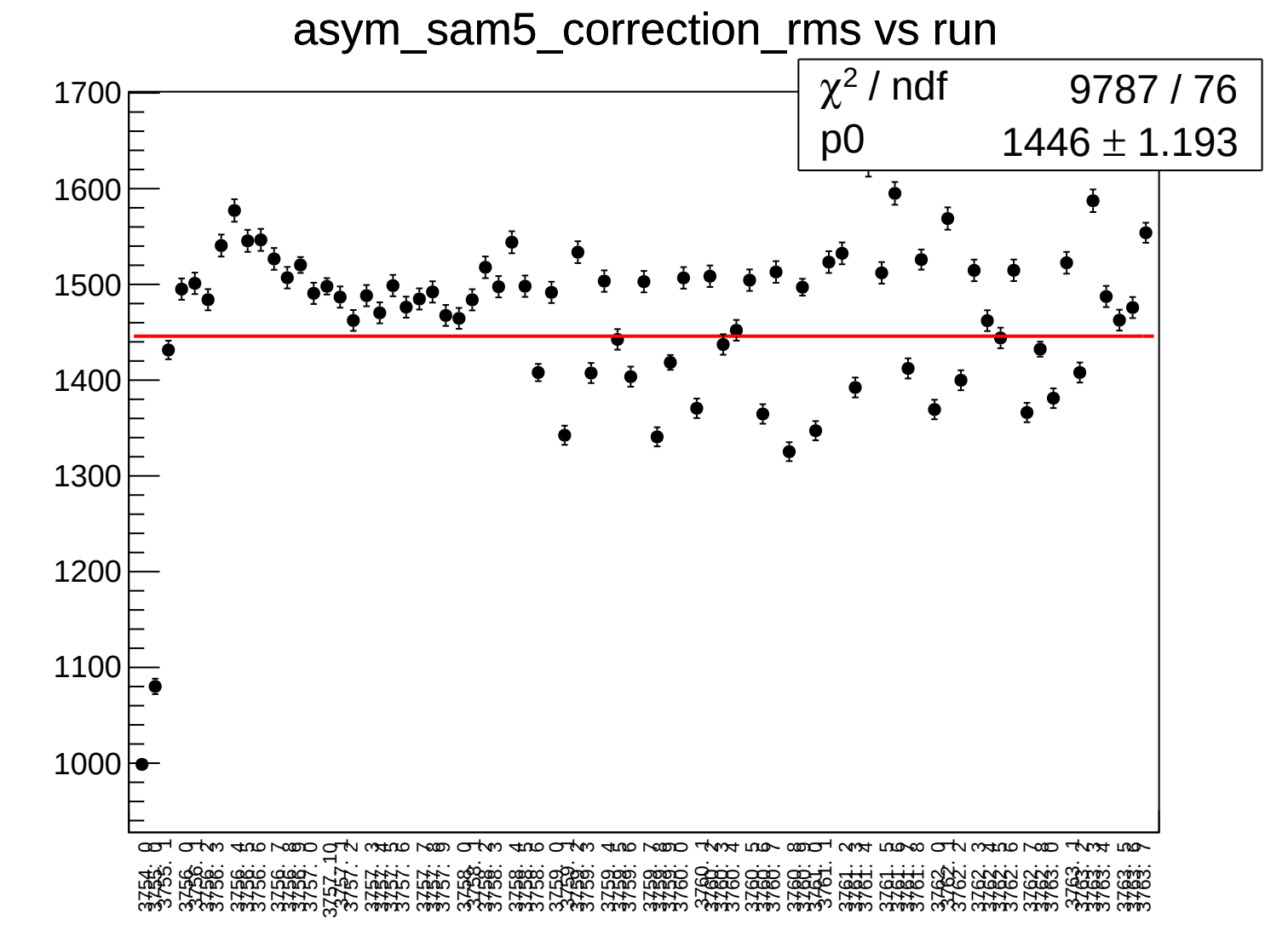

reg_asym_sam5_mean vs run
χ² / ndf 83.43 / 76
p0 957.9 ± 369.5
pull
Entries 77
Mean −398.4
Std Dev 429

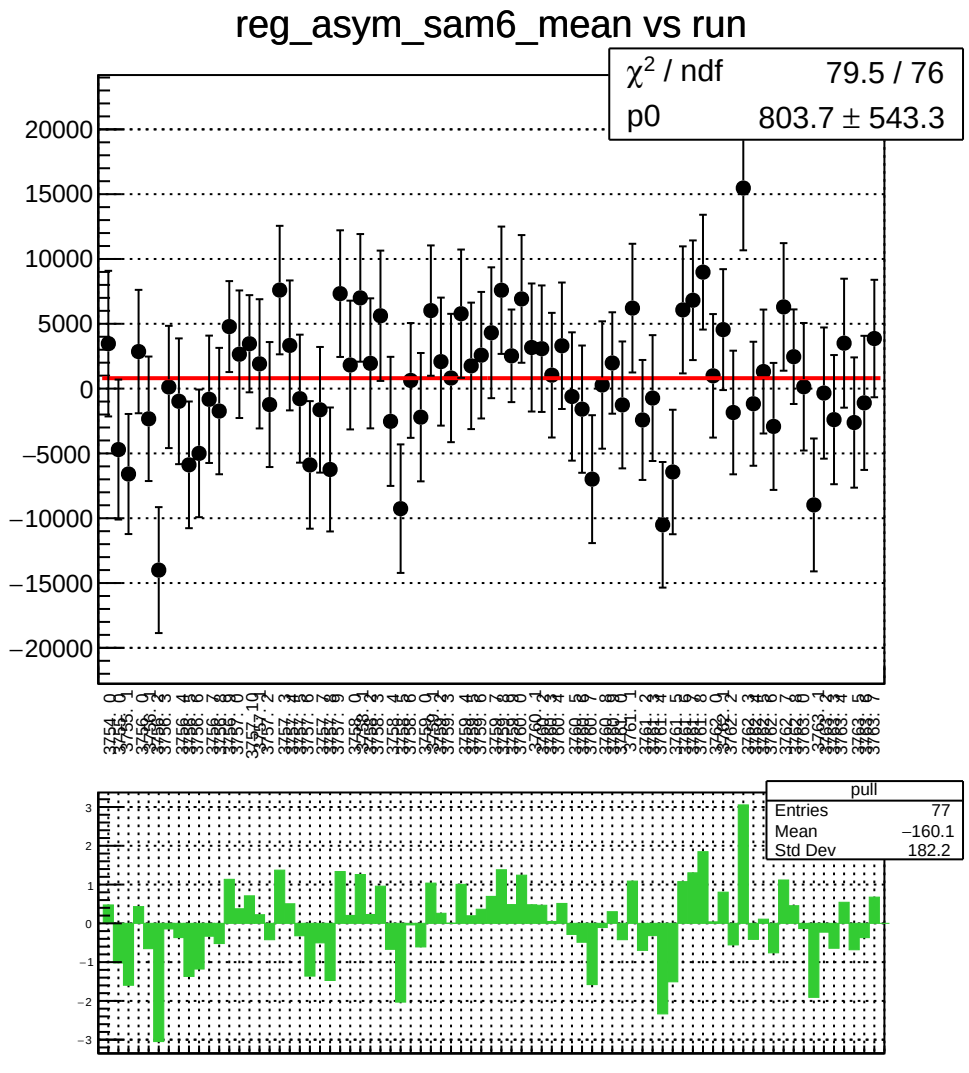

pull1D
Entries 77
Mean −0.01008
Std Dev 1.041

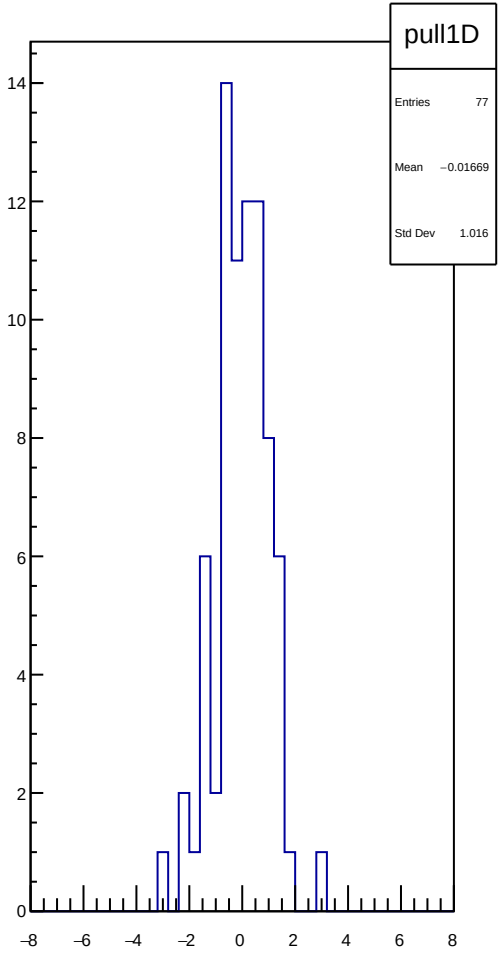

reg_asym_sam5_rms vs run
χ² / ndf 1611 / 76
p0 317.5 ± 0.2613
360
350
340
330
320
310
300
290

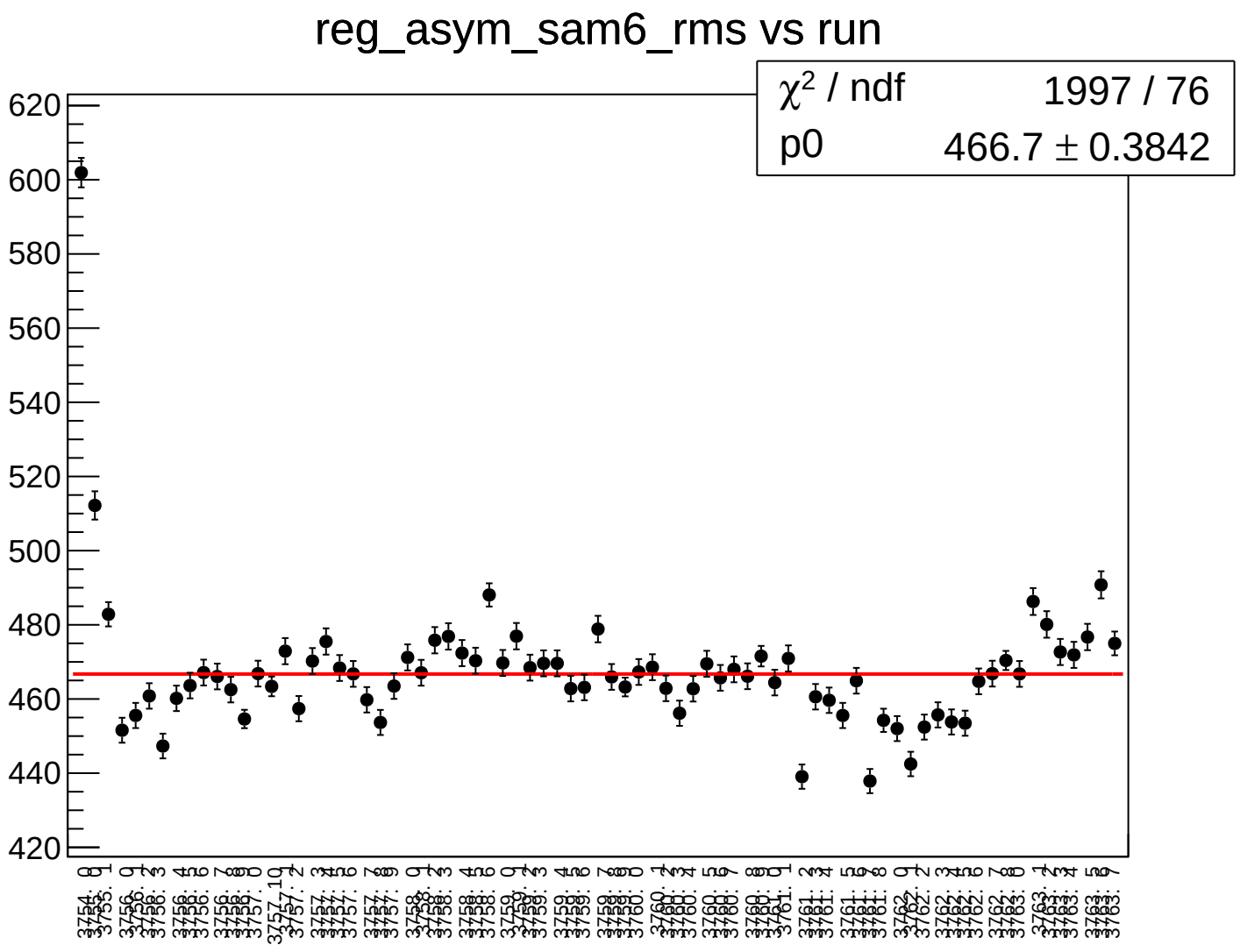

asym_sam5_correction_mean vs run
χ² / ndf 62.37 / 76
p0 422.2 ± 1688
40000
20000
0
−20000
−40000
pull
Entries 77
Mean −31.84
Std Dev 32.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

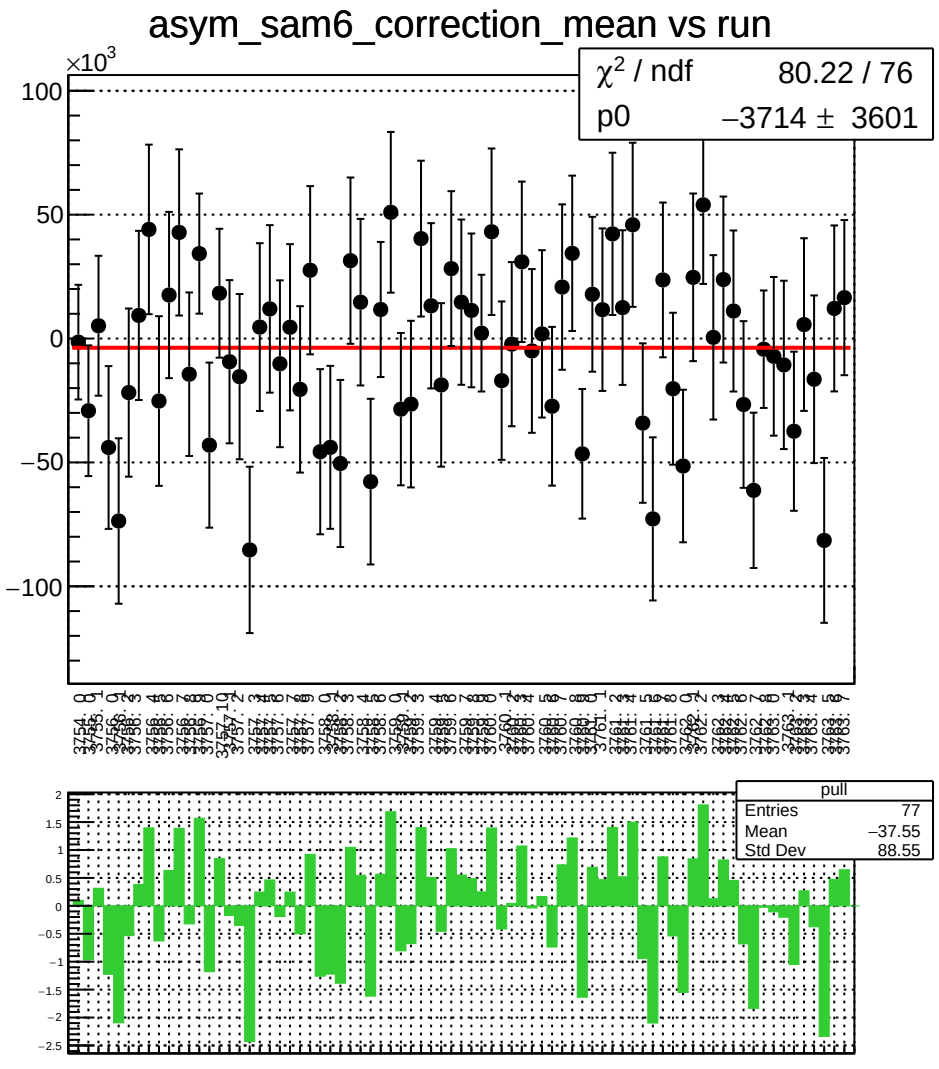

pull1D
Entries 77
Mean 0.01198
Std Dev 0.8999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

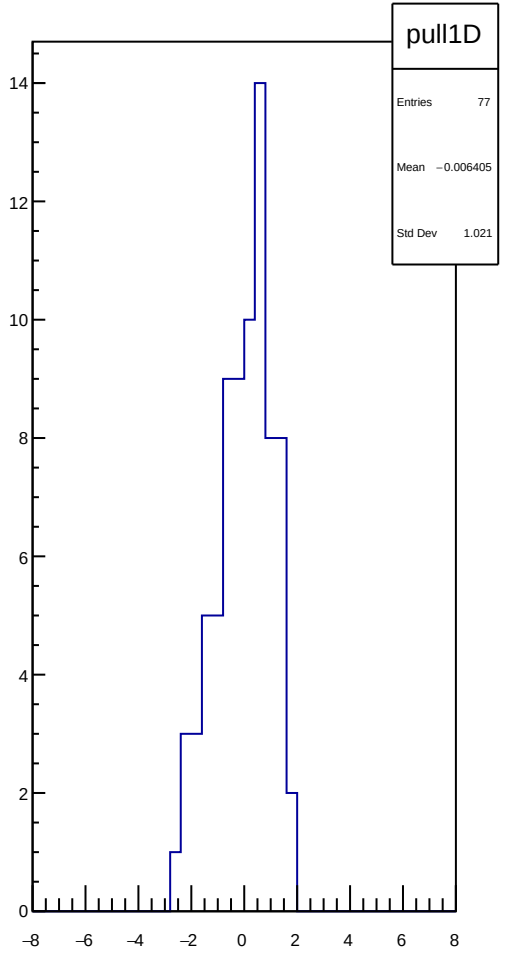

asym_sam5_correction_rms vs run
χ² / ndf 9787 / 76
p0 1446 ± 1.193
1700
1600
1500
1400
1300
1200
1100
1000

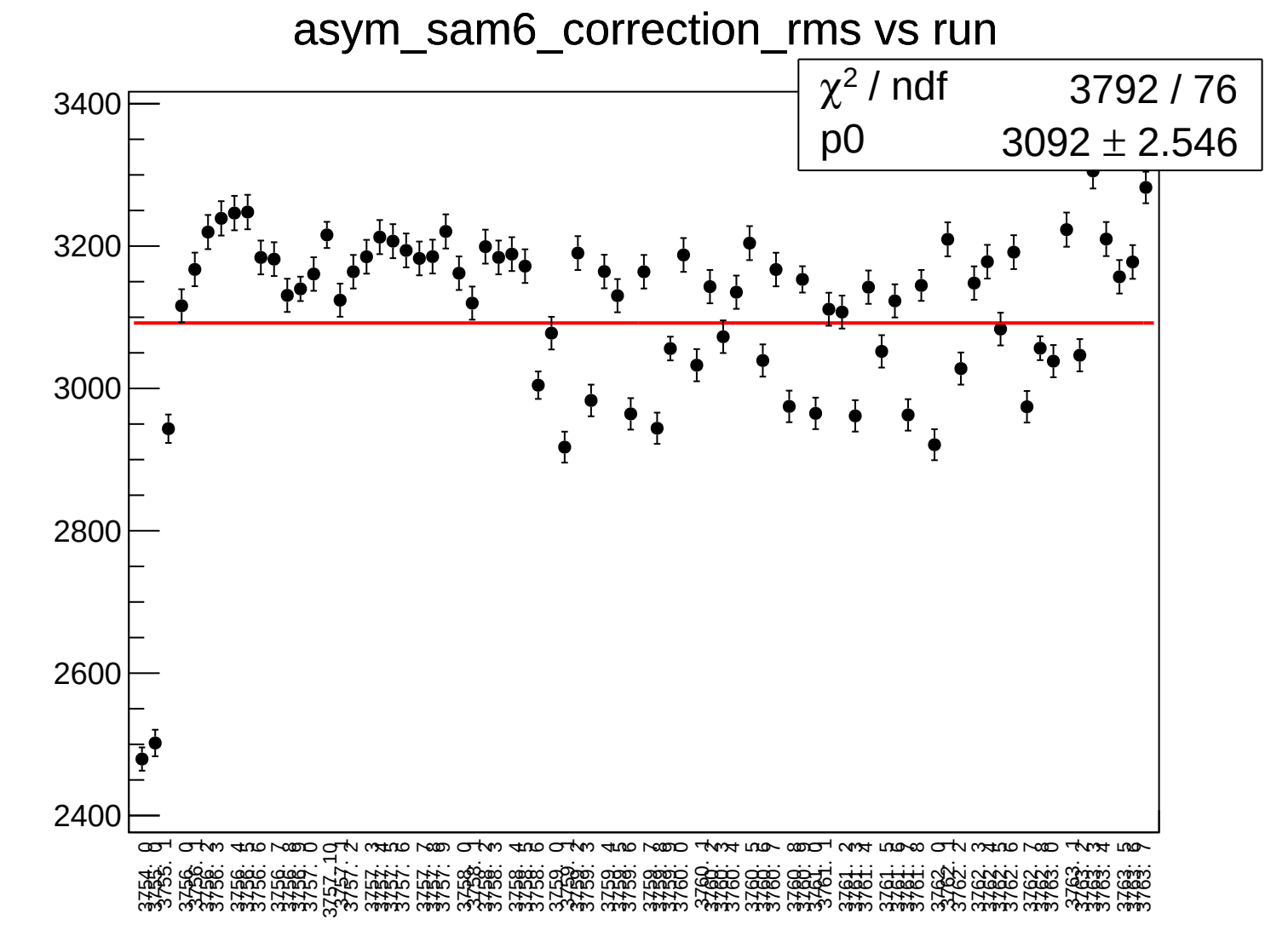

reg_asym_sam6_mean vs run
χ² / ndf 79.5 / 76
p0 803.7 ± 543.3
pull
Entries 77
Mean −160.1
Std Dev 182.2

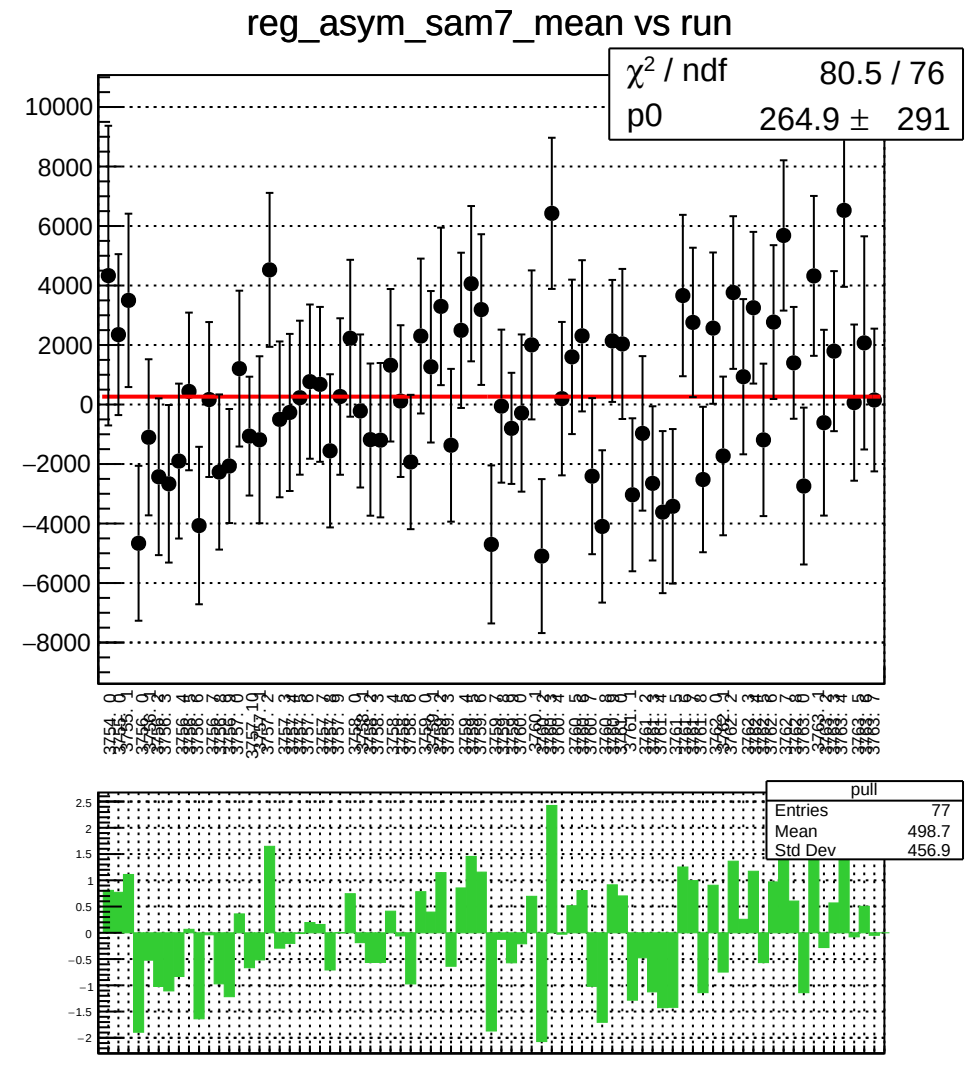

pull1D
Entries 77
Mean −0.01669
Std Dev 1.016

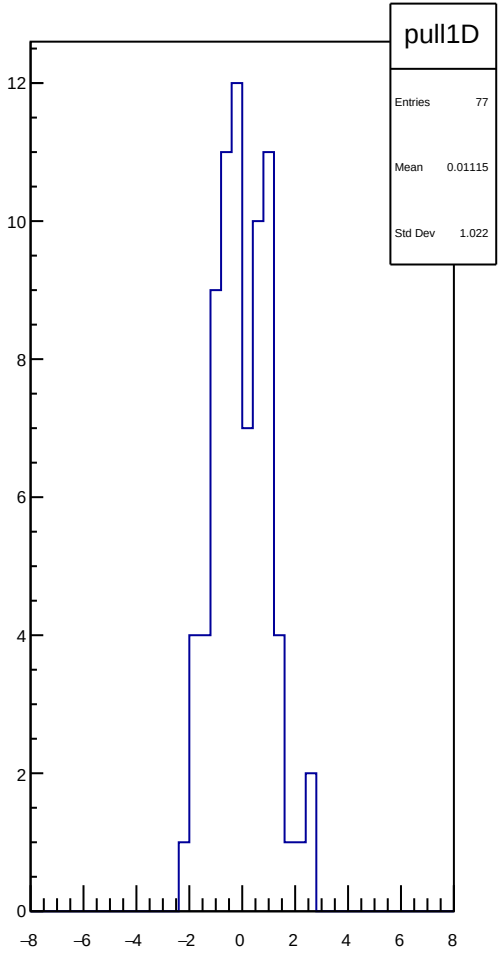

reg_asym_sam6_rms vs run
χ² / ndf 1997 / 76
p0 466.7 ± 0.3842
620
600
580
560
540
520
500
480
460
440
420

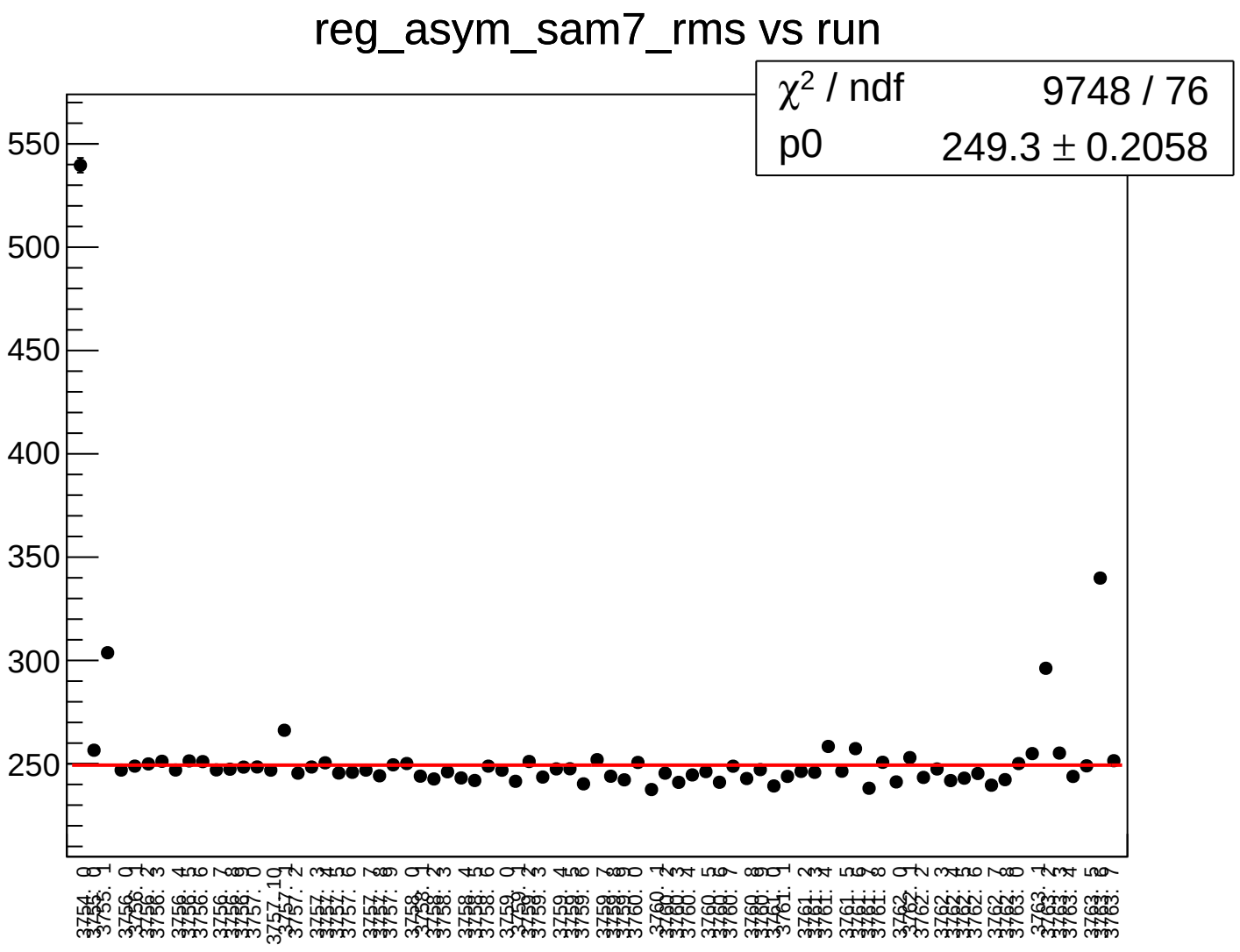

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 80.22 / 76
p0 −3714 ± 3601
100
50
0
−50
−100
pull
Entries 77
Mean −37.55
Std Dev 88.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

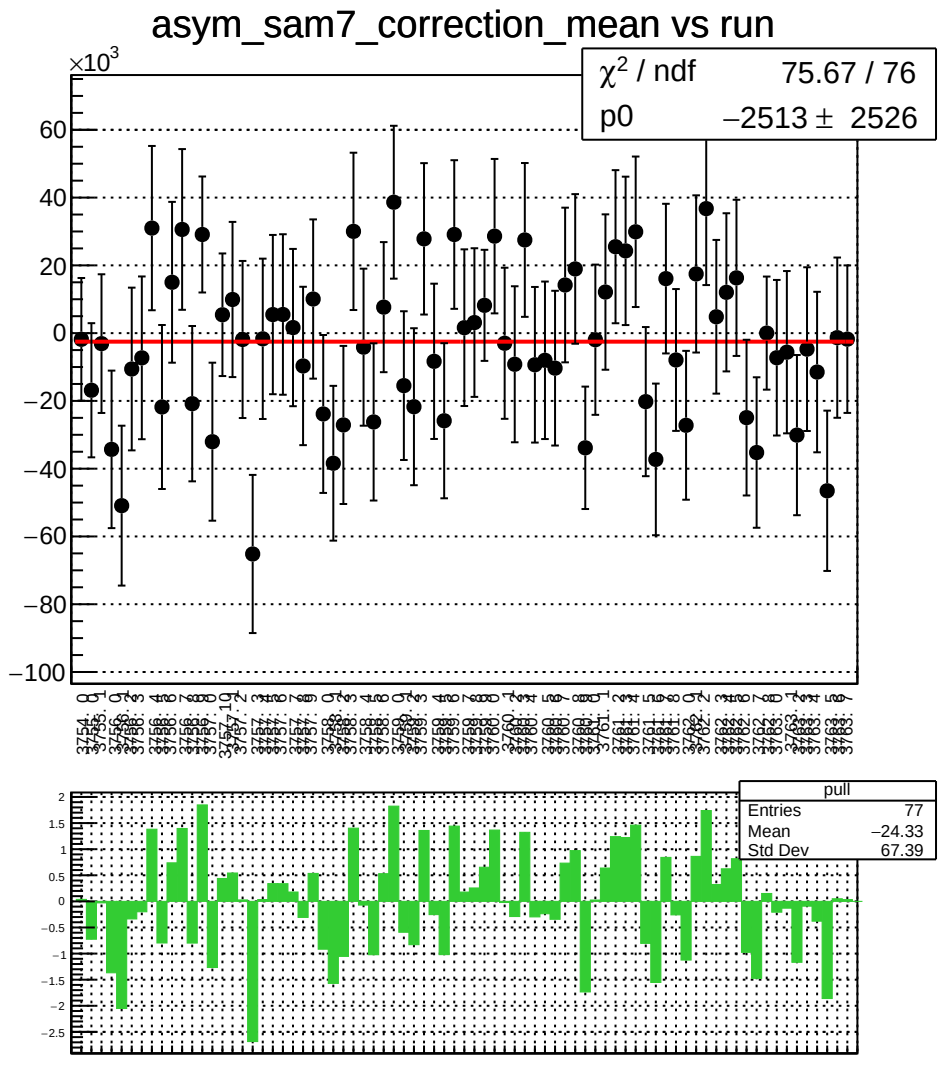

pull1D
Entries 77
Mean −0.006405
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

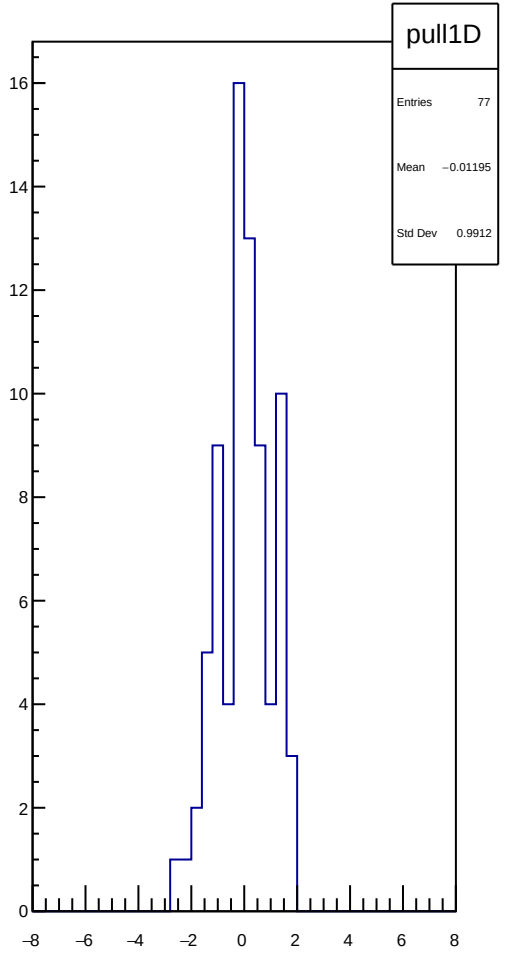

asym_sam6_correction_rms vs run
χ² / ndf 3792 / 76
p0 3092 ± 2.546
3400
3200
3000
2800
2600
2400

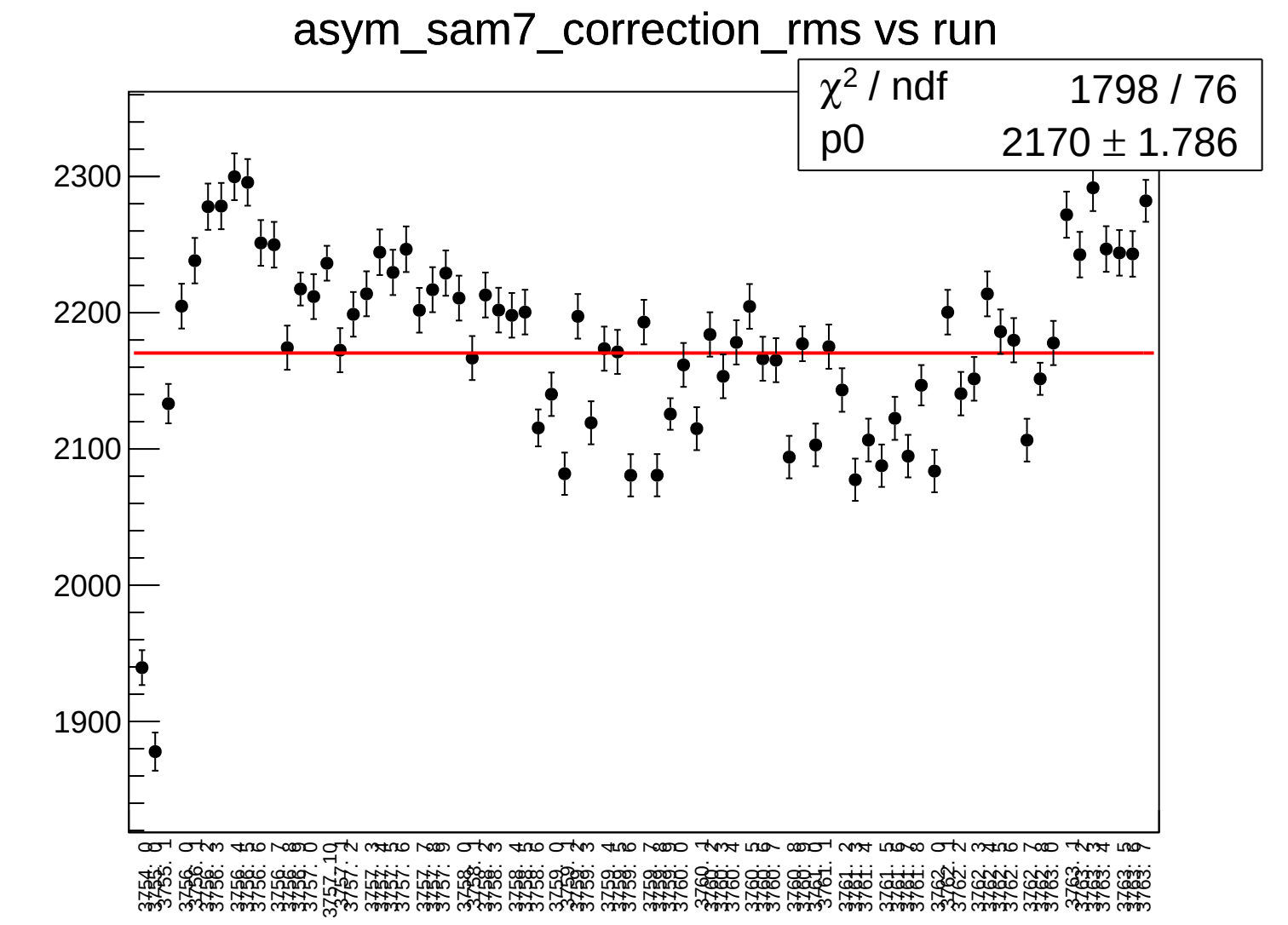

reg_asym_sam7_mean vs run
χ² / ndf 80.5 / 76
p0 264.9 ± 291
pull
Entries 77
Mean 498.7
Std Dev 456.9

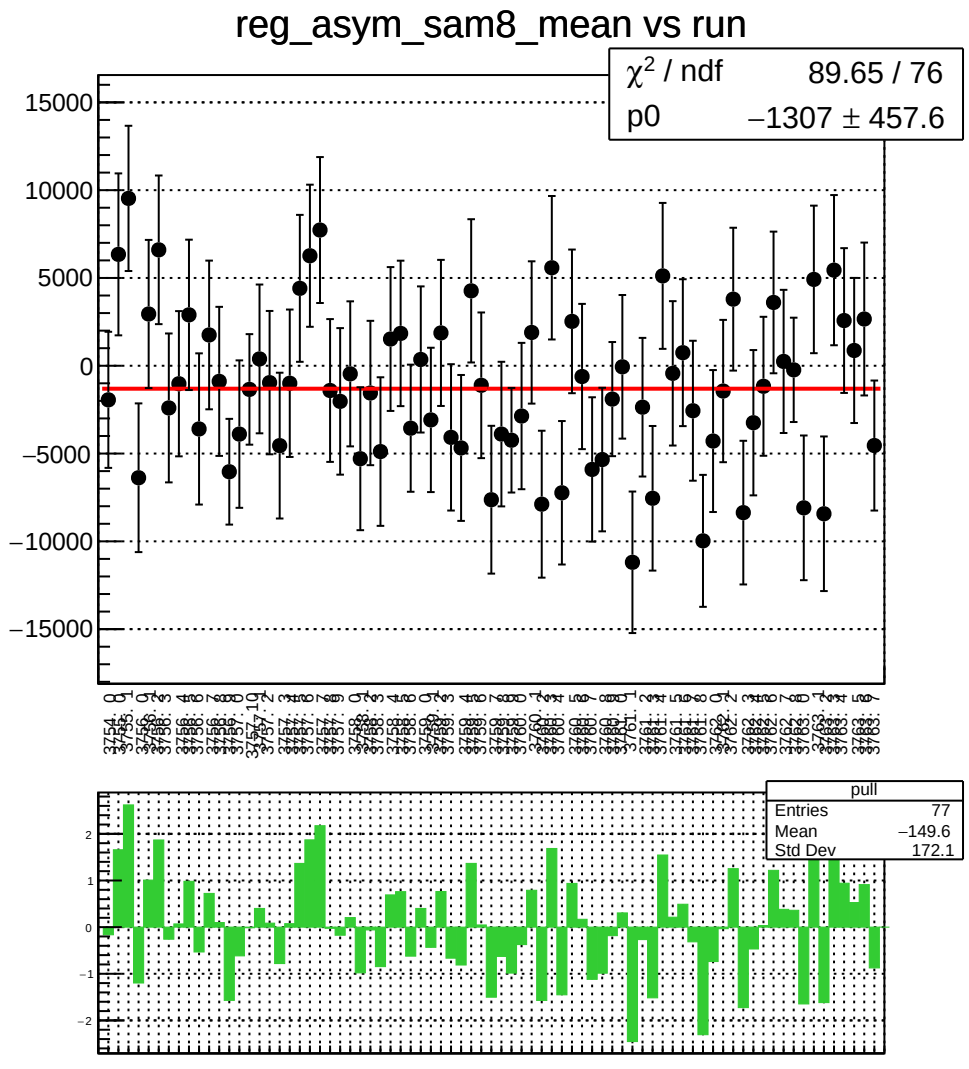

pull1D
Entries 77
Mean 0.01115
Std Dev 1.022

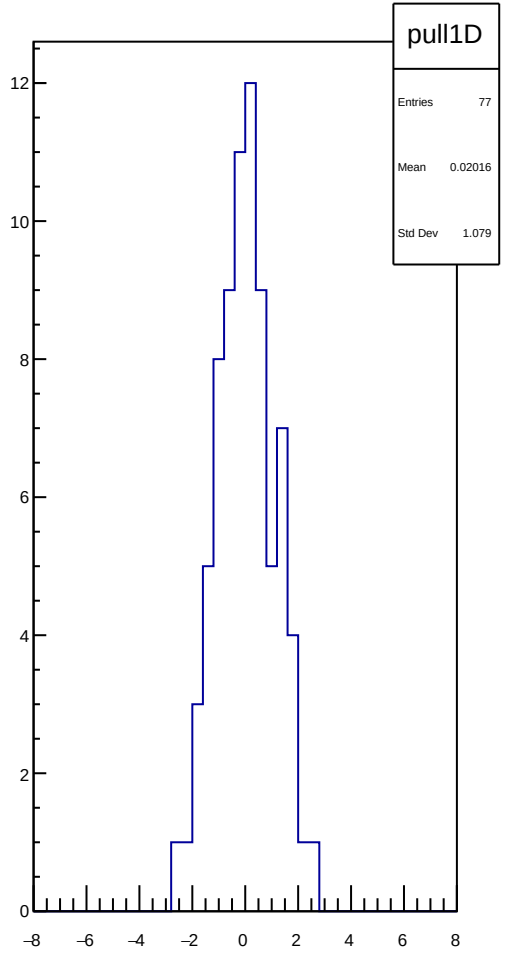

reg_asym_sam7_rms vs run
χ^2 / ndf 9748 / 76
p0 249.3 ± 0.2058
550
500
450
400
350
300
250

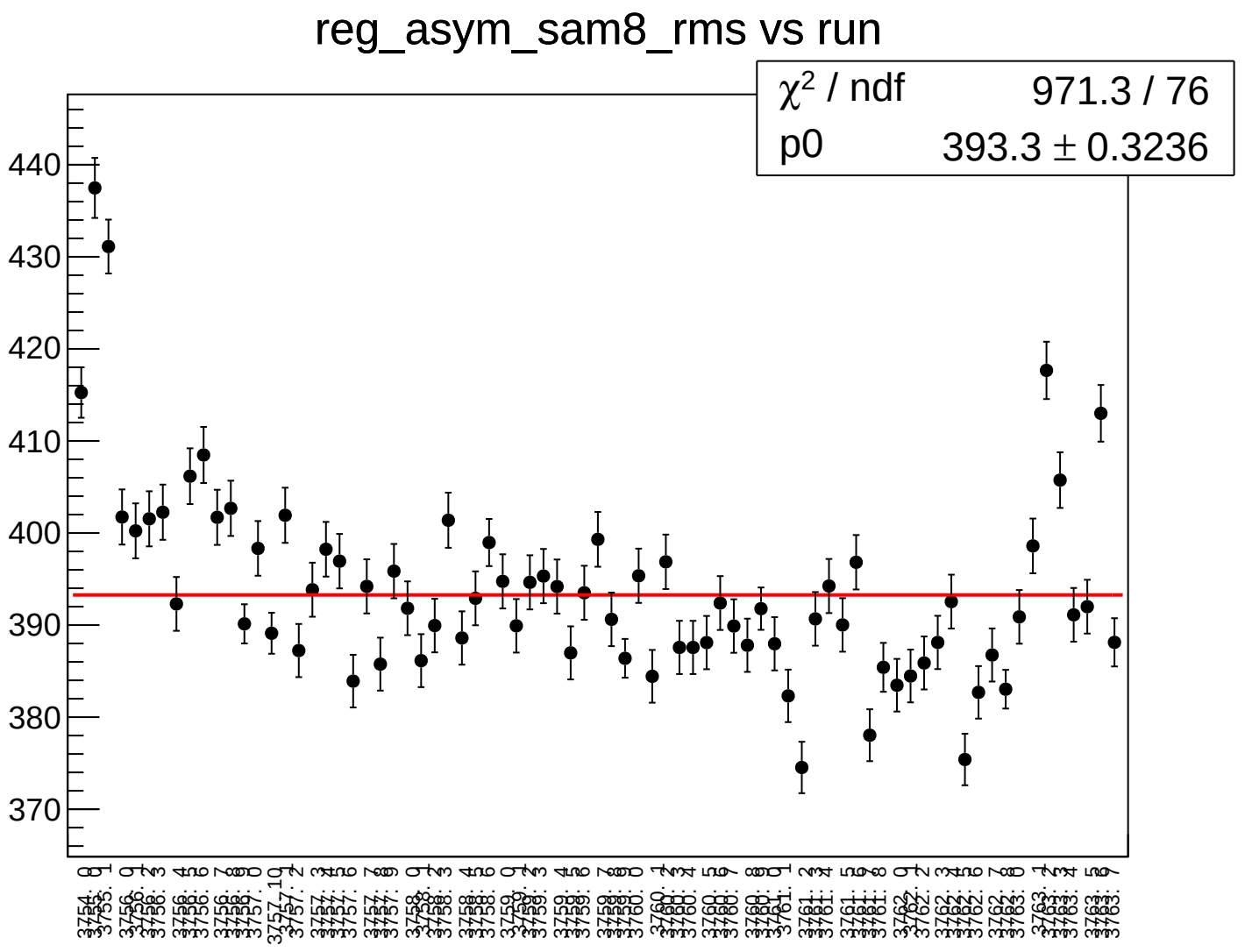

asym_sam7_correction_mean vs run
×10^3
χ^2 / ndf 75.67 / 76
p0 −2513 ± 2526
pull
Entries 77
Mean −24.33
Std Dev 67.39

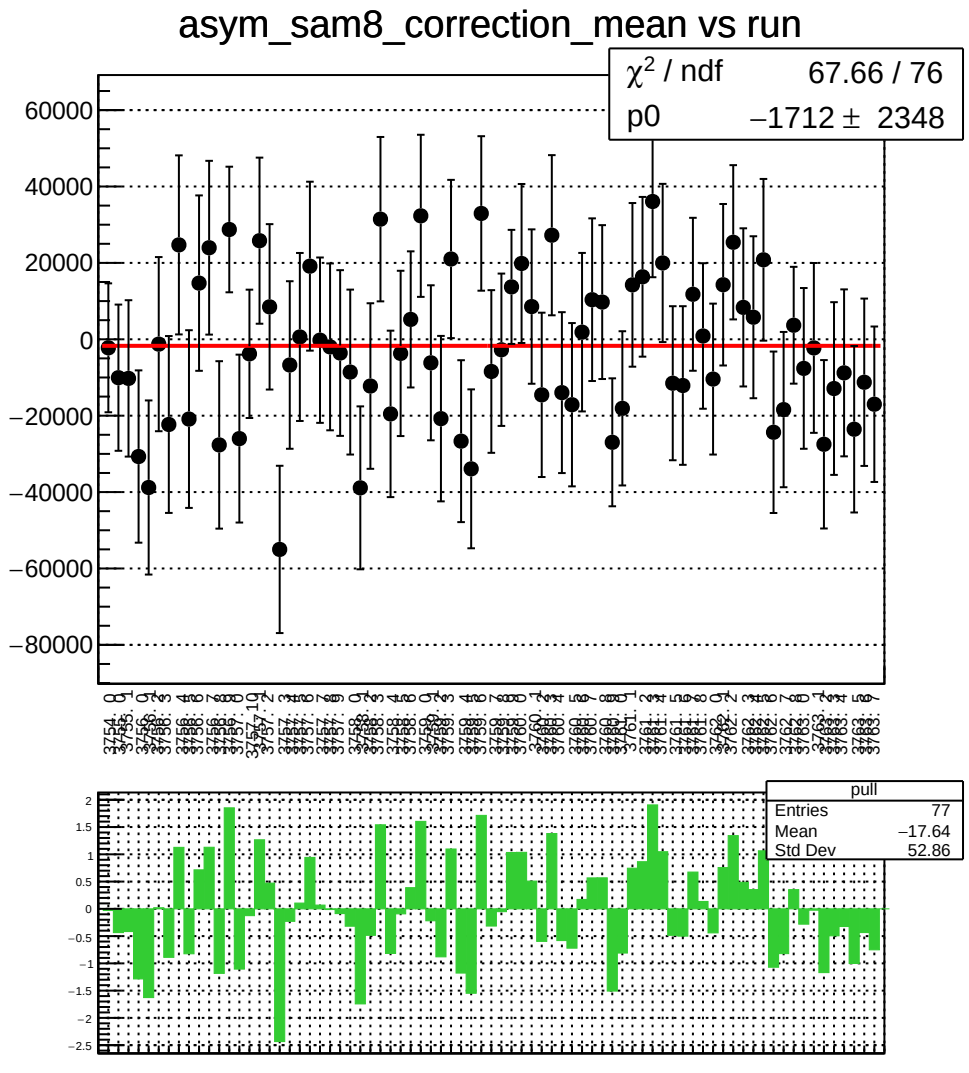

pull1D
Entries 77
Mean −0.01195
Std Dev 0.9912

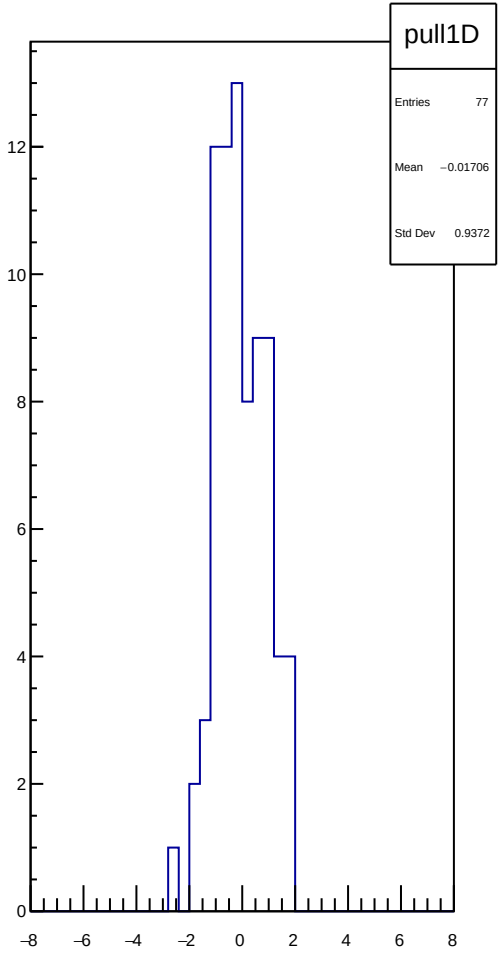

asym_sam7_correction_rms vs run
χ² / ndf 1798 / 76
p0 2170 ± 1.786
2300
2200
2100
2000
1900

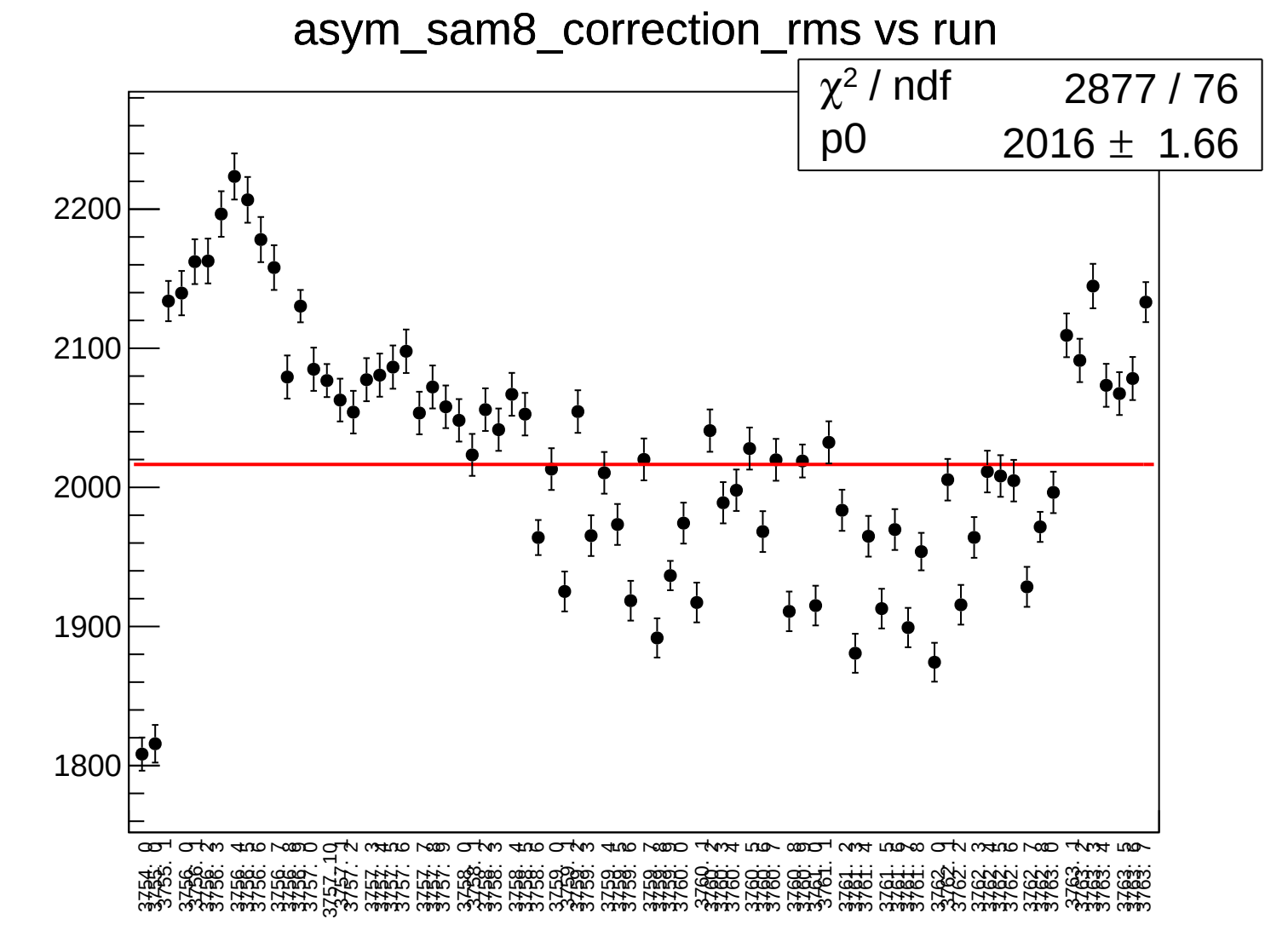

reg_asym_sam8_mean vs run
χ² / ndf 89.65 / 76
p0 −1307 ± 457.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 77
Mean −149.6
Std Dev 172.1
2
1
0
−1
−2

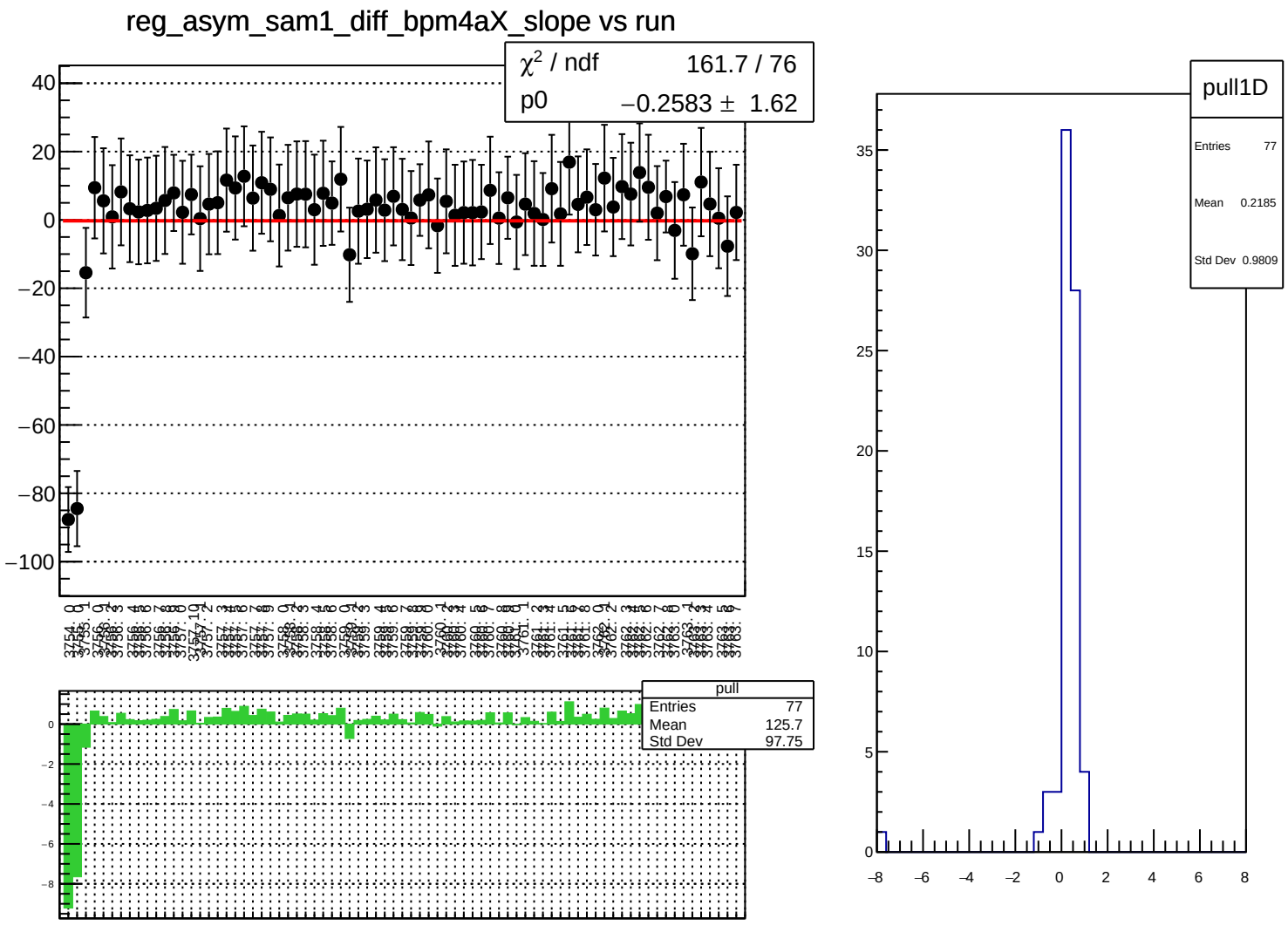

pull1D
Entries 77
Mean 0.02016
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

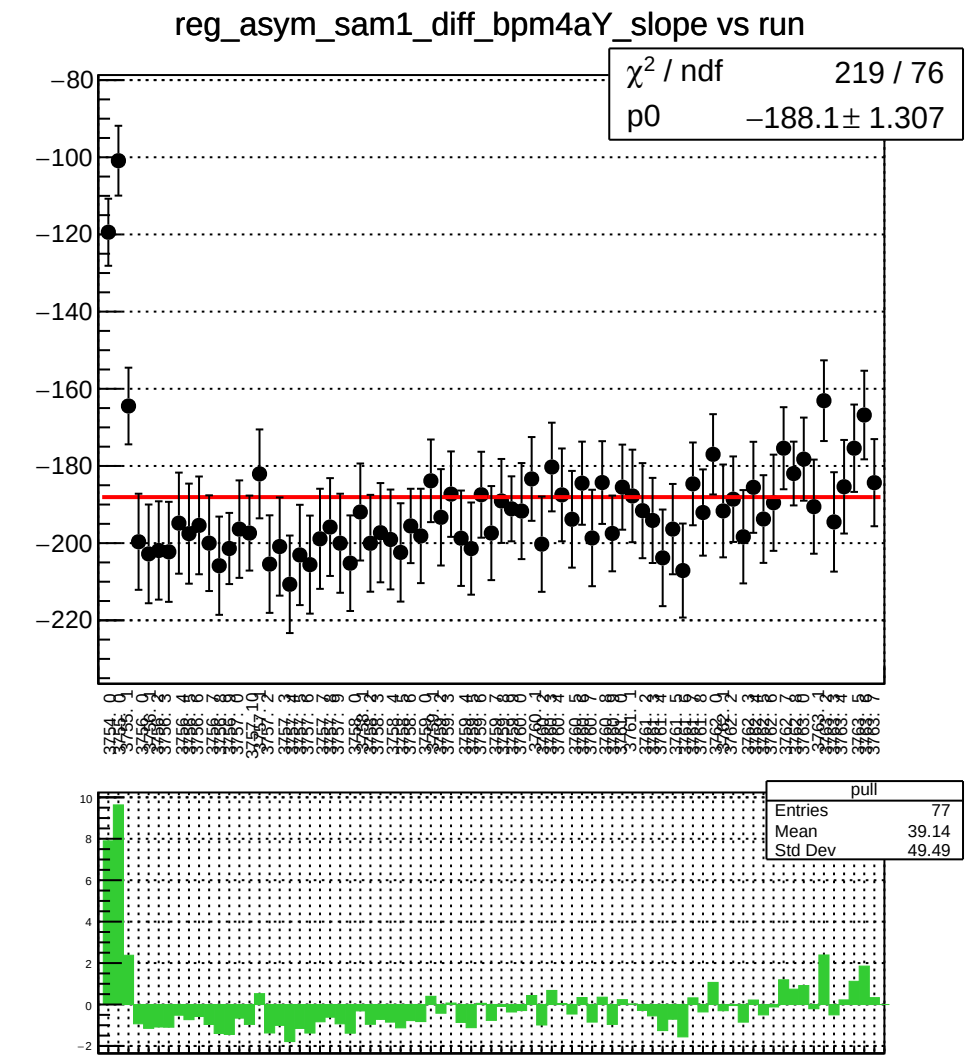

reg_asym_sam8_rms vs run
χ^2 / ndf 971.3 / 76
p0 393.3 ± 0.3236
440
430
420
410
400
390
380
370

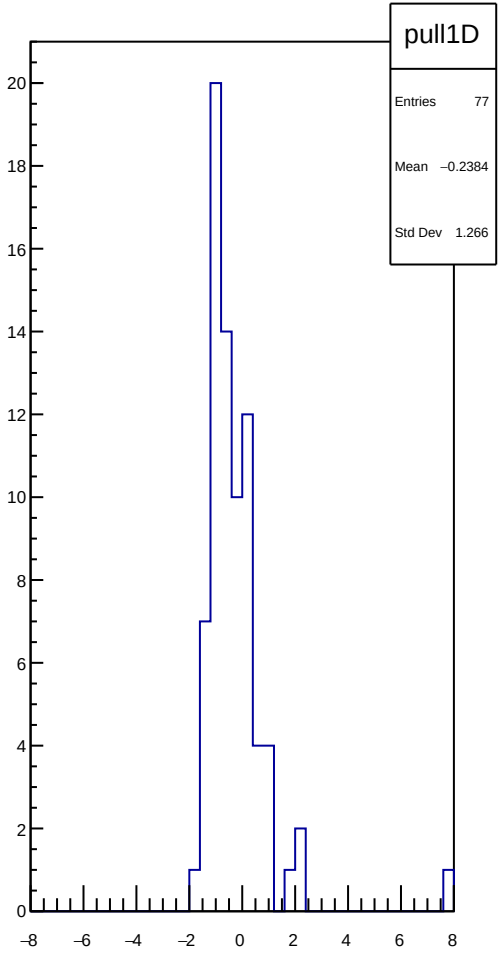

asym_sam8_correction_mean vs run
χ² / ndf 67.66 / 76
p0 −1712 ± 2348
pull
Entries 77
Mean −17.64
Std Dev 52.86

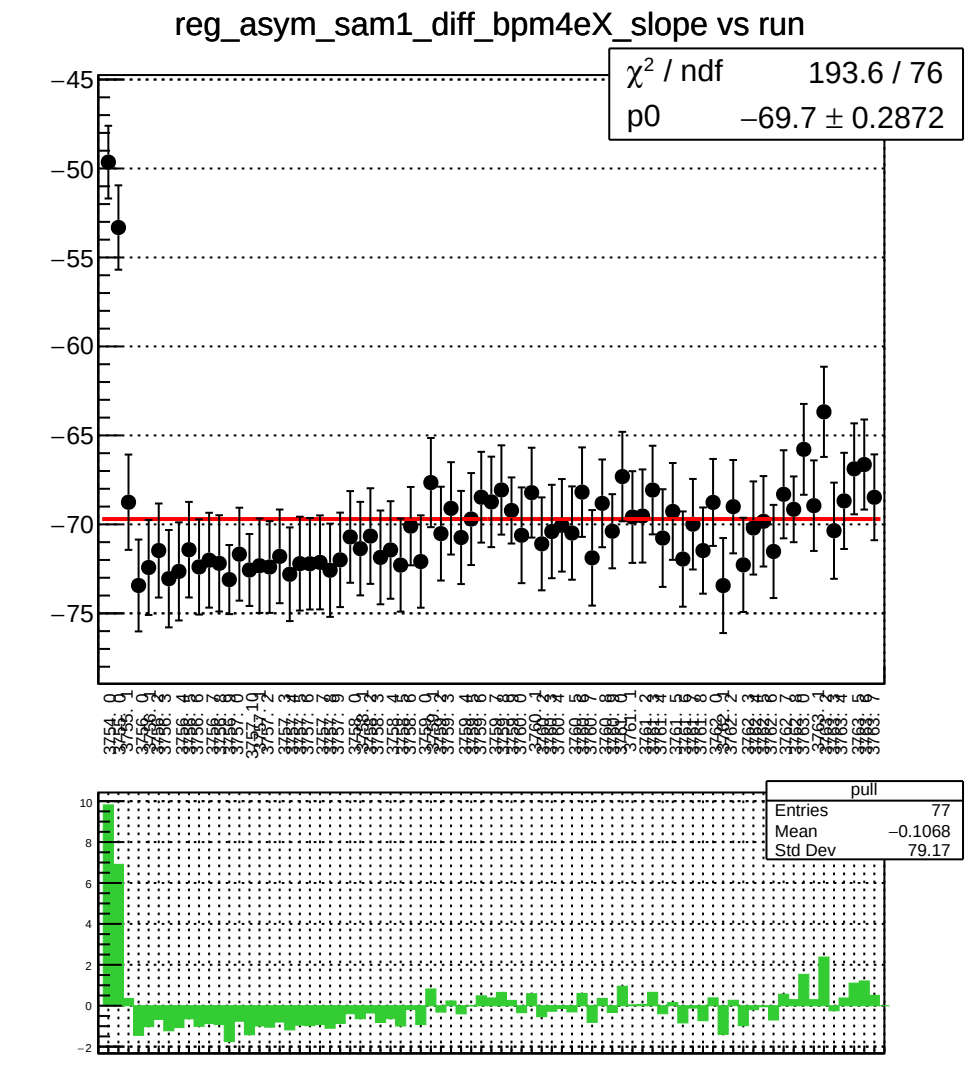

pull1D
Entries 77
Mean −0.01706
Std Dev 0.9372

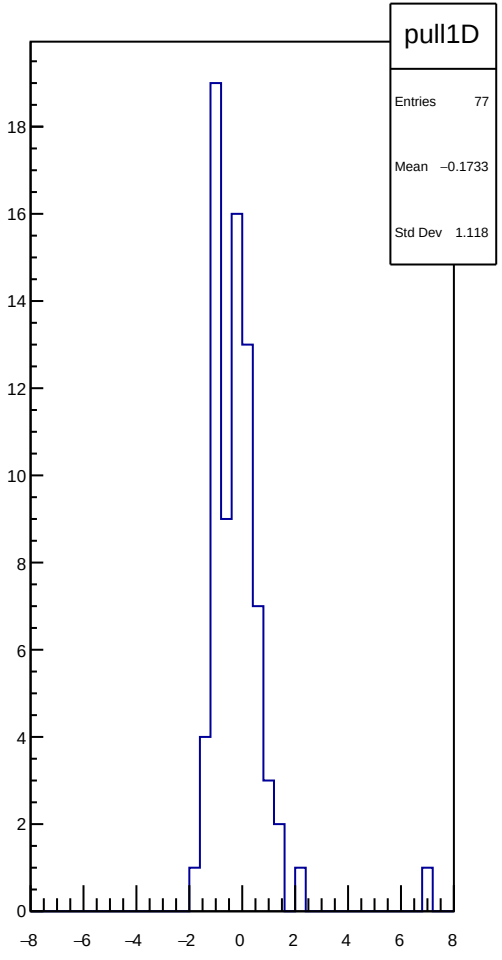

asym_sam8_correction_rms vs run
χ² / ndf 2877 / 76
p0 2016 ± 1.66
2200
2100
2000
1900
1800

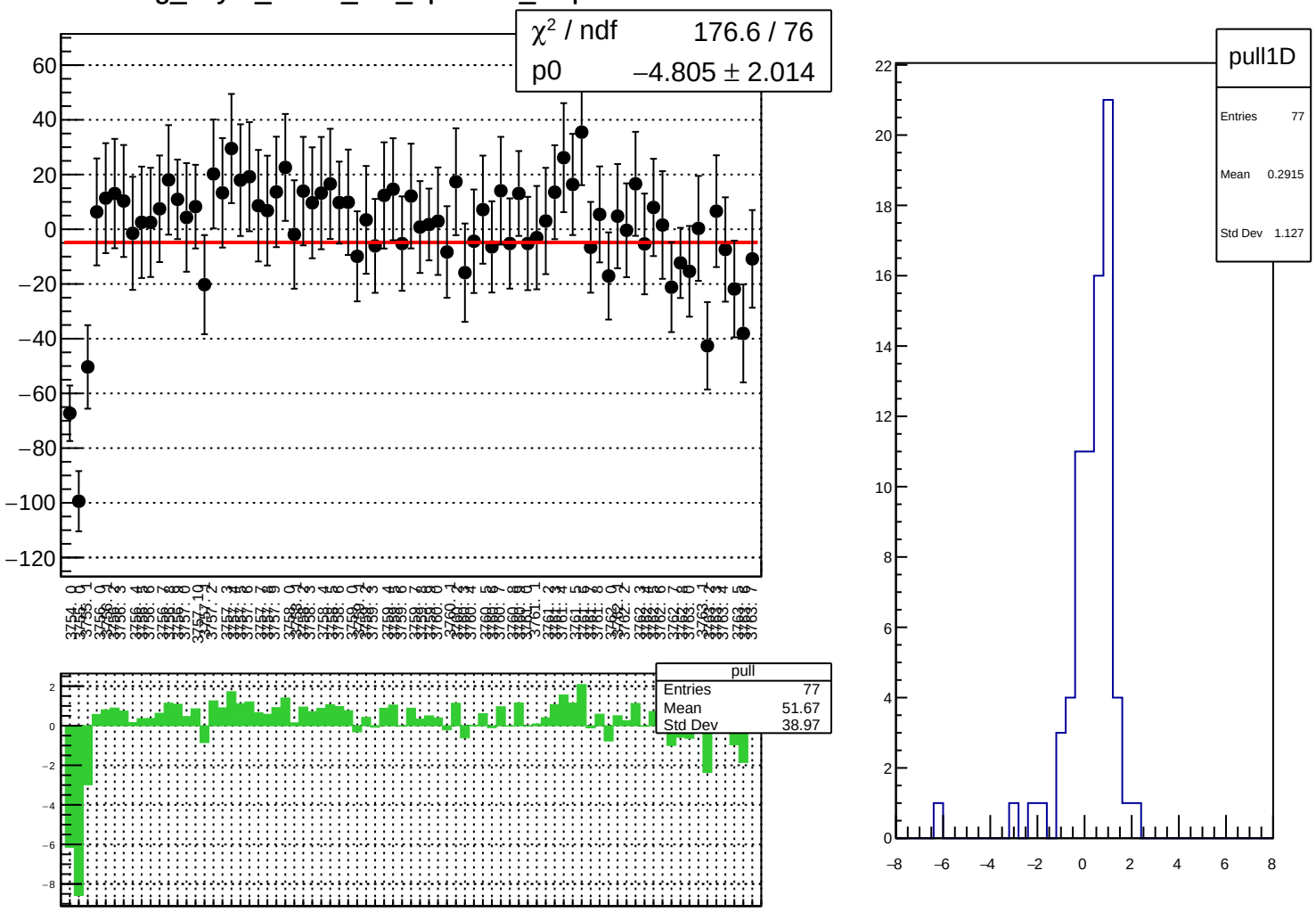

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 161.7 / 76
p0 −0.2583 ± 1.62
pull
Entries 77
Mean 125.7
Std Dev 97.75
pull1D
Entries 77
Mean 0.2185
Std Dev 0.9809

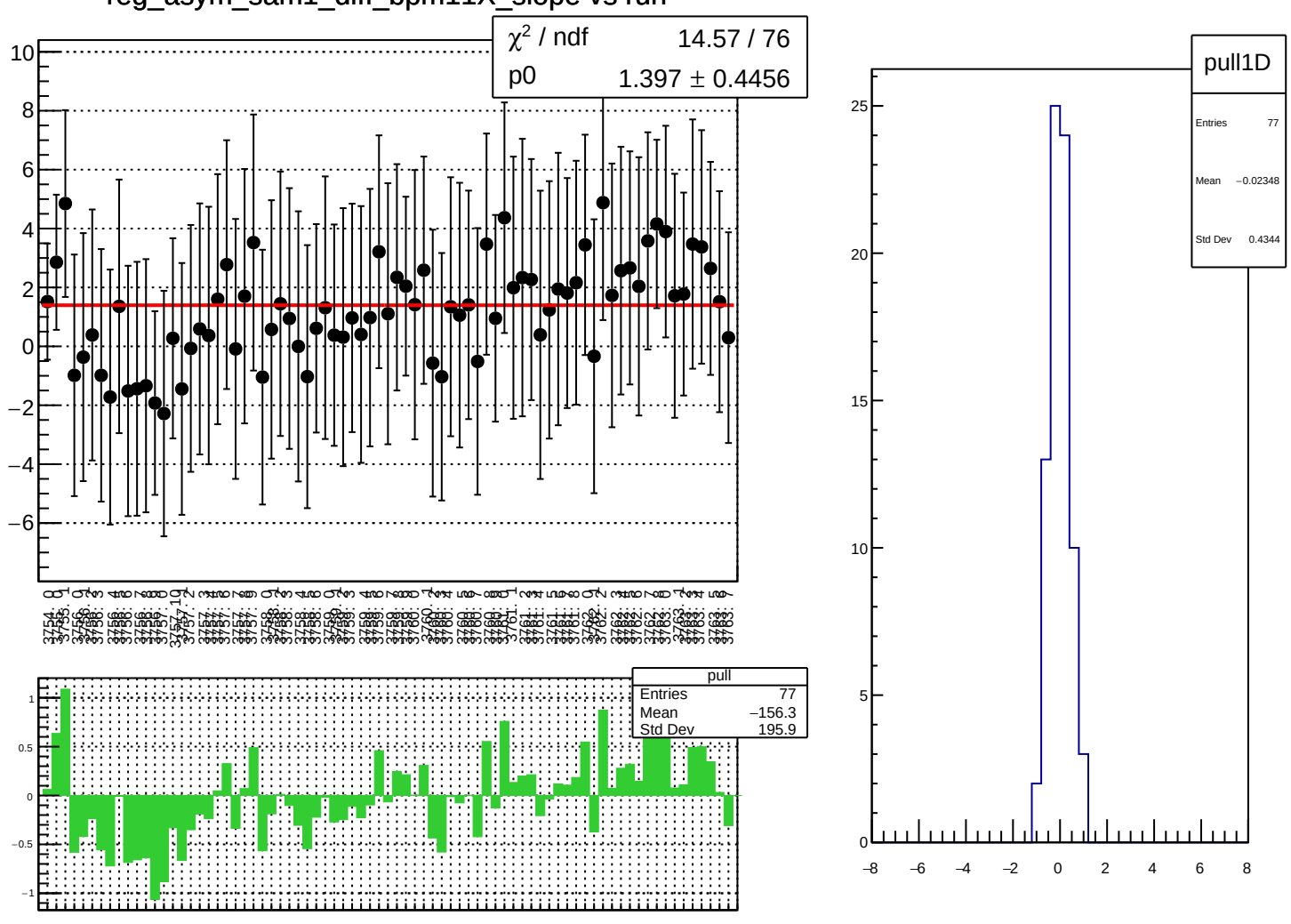

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 219 / 76
p0 −188.1± 1.307
pull
Entries 77
Mean 39.14
Std Dev 49.49

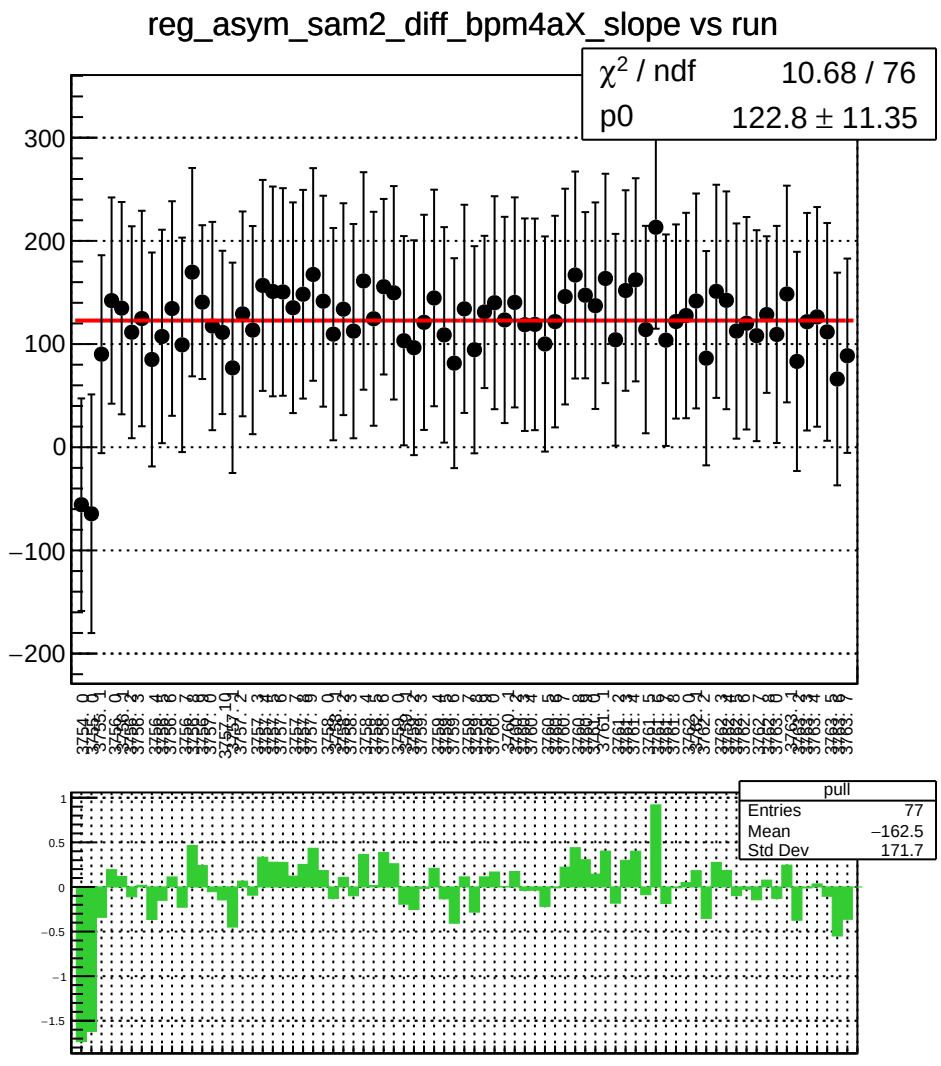

pull1D
Entries 77
Mean −0.2384
Std Dev 1.266

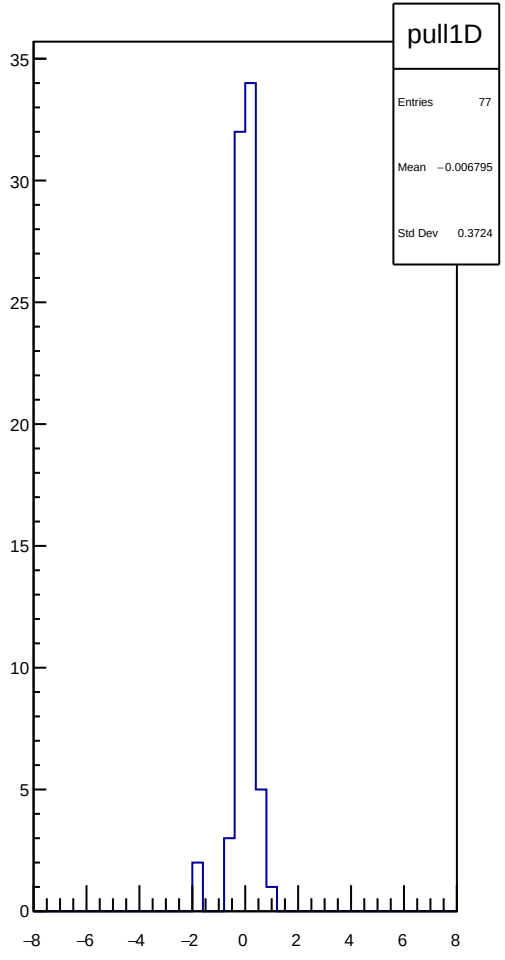

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 193.6 / 76
p0 −69.7 ± 0.2872
pull
Entries 77
Mean −0.1068
Std Dev 79.17

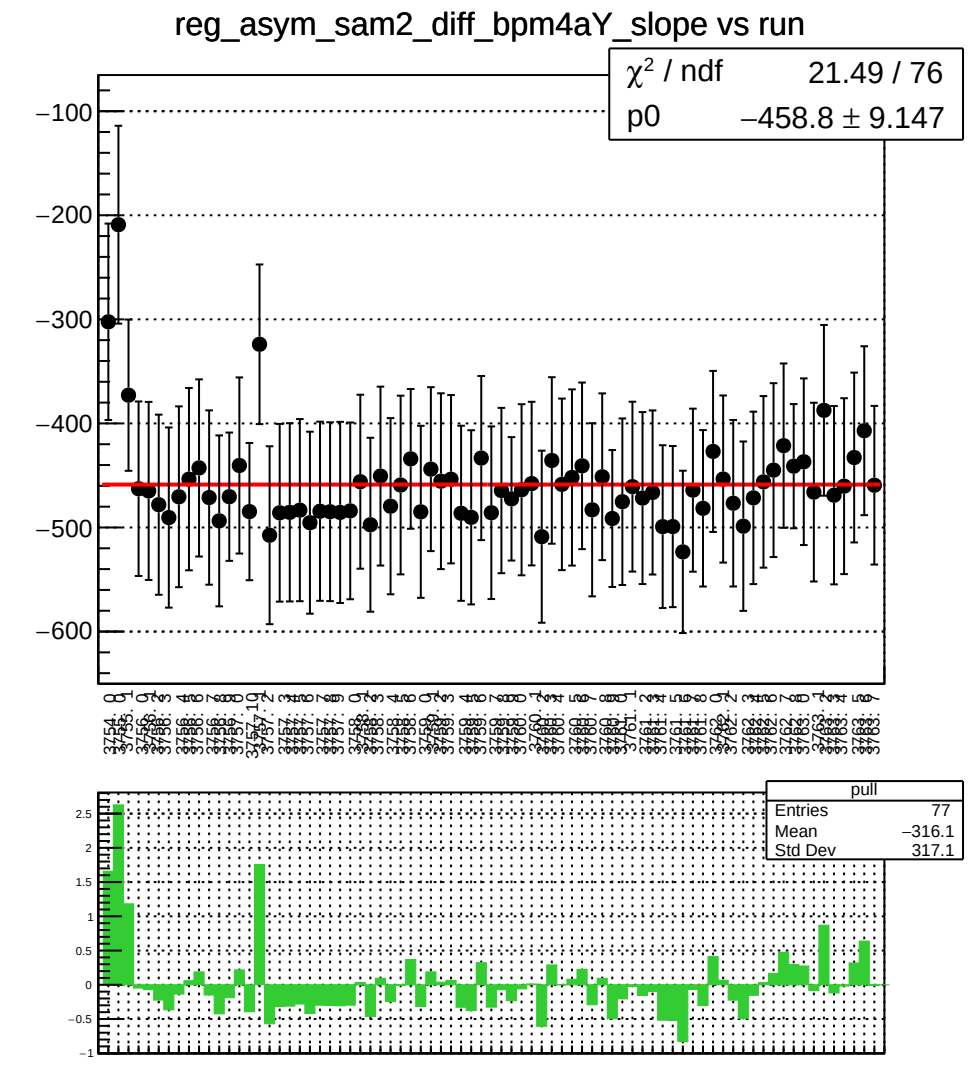

pull1D
Entries 77
Mean −0.1733
Std Dev 1.118

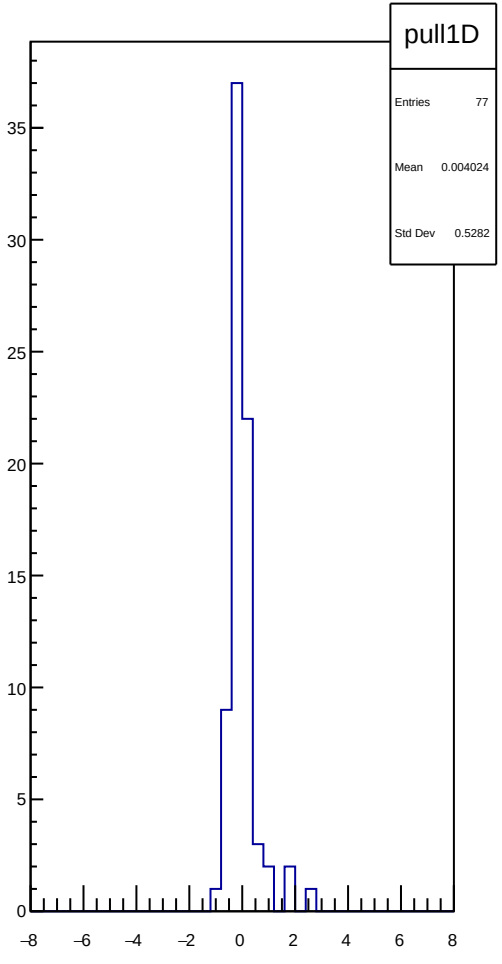

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 176.6 / 76
p0 −4.805 ± 2.014
pull
Entries 77
Mean 51.67
Std Dev 38.97
pull1D
Entries 77
Mean 0.2915
Std Dev 1.127

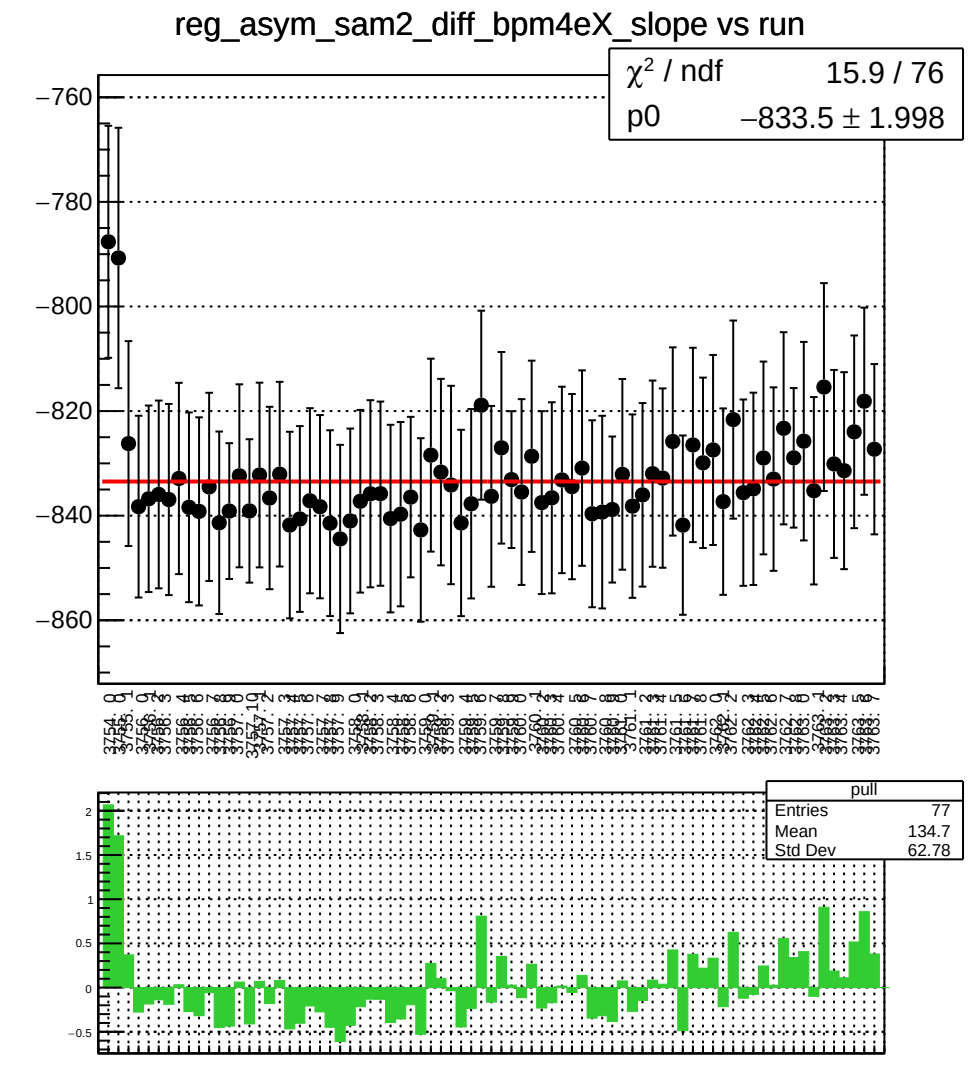

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 14.57 / 76
p0 1.397 ± 0.4456
pull
Entries 77
Mean −156.3
Std Dev 195.9
pull1D
Entries 77
Mean −0.02348
Std Dev 0.4344

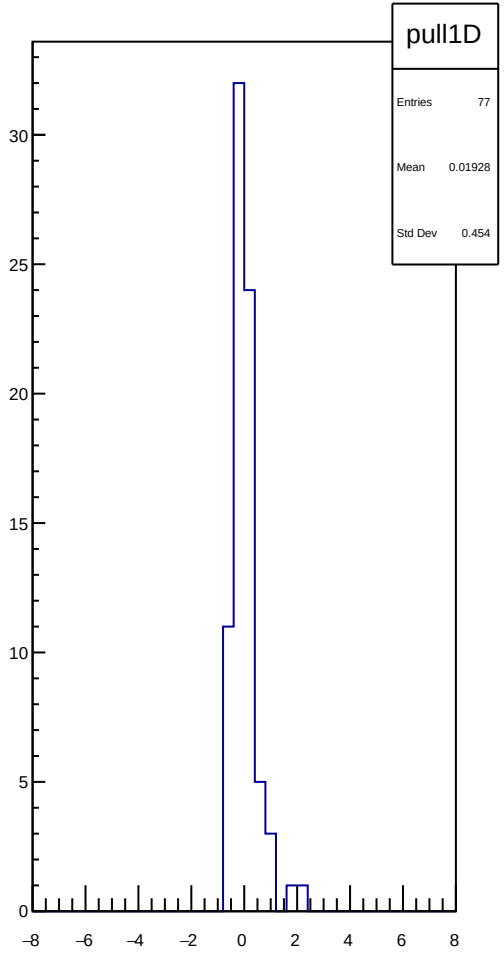

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 10.68 / 76
p0 122.8 ± 11.35
300
200
100
0
−100
−200
pull
Entries 77
Mean −162.5
Std Dev 171.7
1
0.5
0
−0.5
−1
−1.5

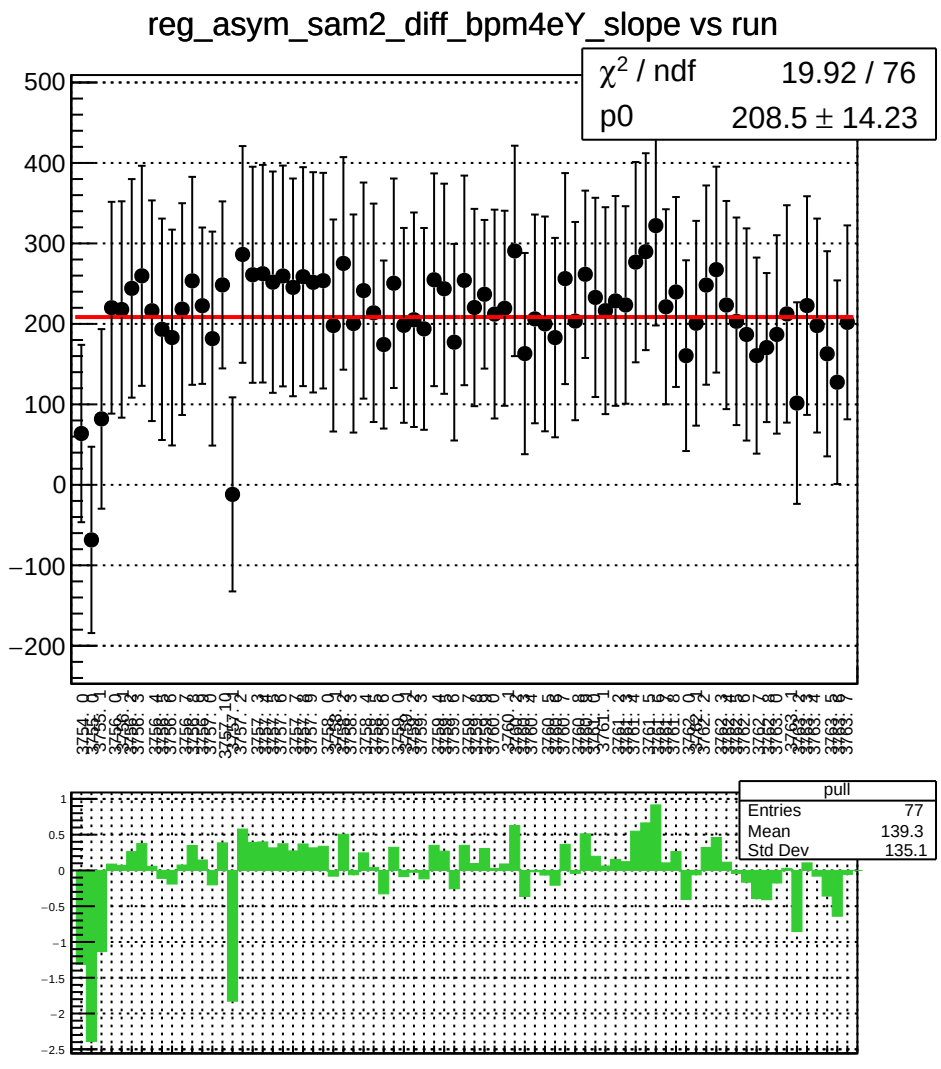

pull1D
Entries 77
Mean −0.006795
Std Dev 0.3724
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

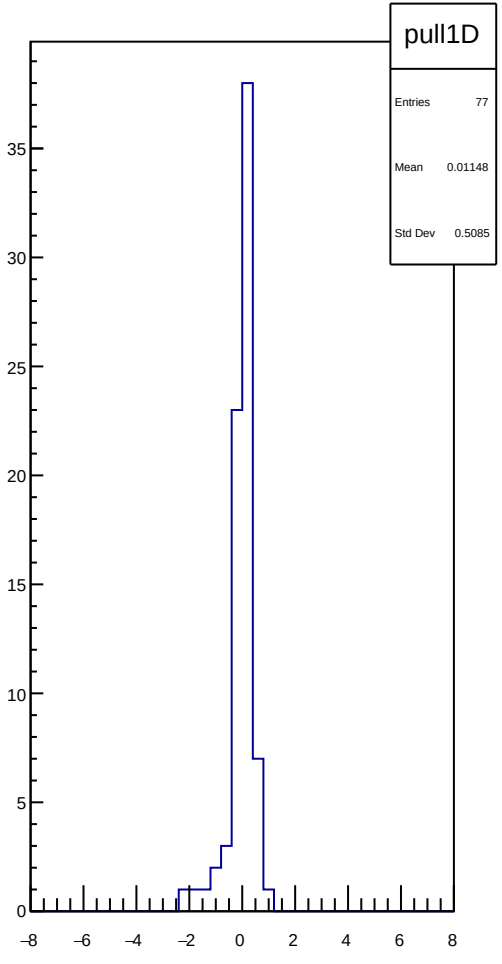

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 21.49 / 76
p0 −458.8 ± 9.147
pull
Entries 77
Mean −316.1
Std Dev 317.1

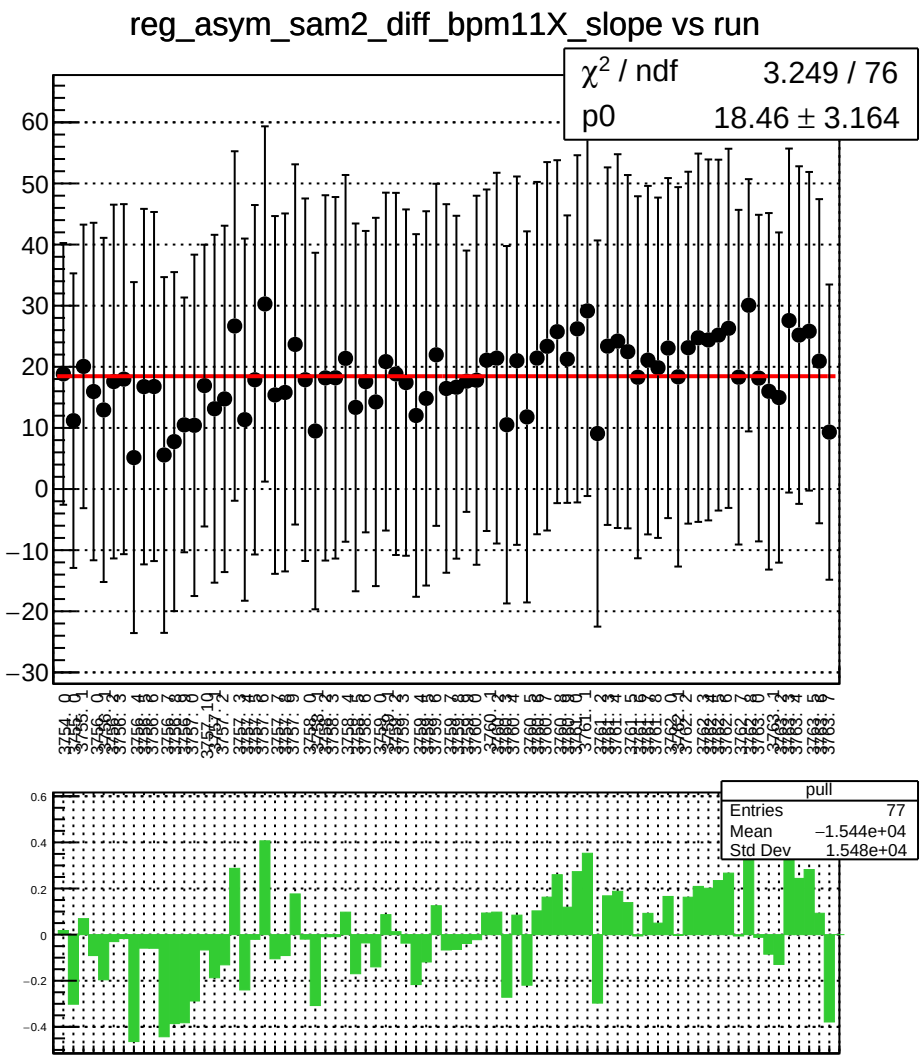

pull1D
Entries 77
Mean 0.004024
Std Dev 0.5282

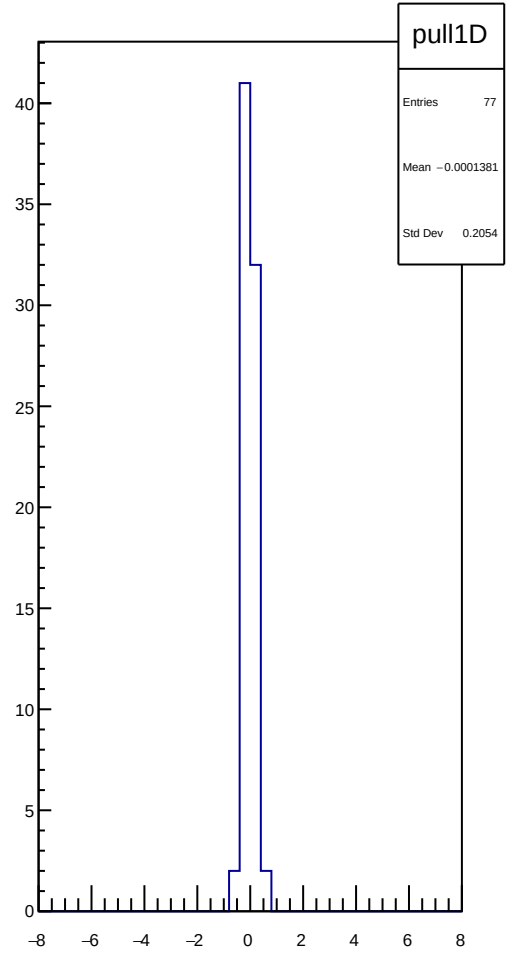

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 15.9 / 76
p0 −833.5 ± 1.998
−760
−780
−800
−820
−840
−860
pull
Entries 77
Mean 134.7
Std Dev 62.78
2
1.5
1
0.5
0
−0.5

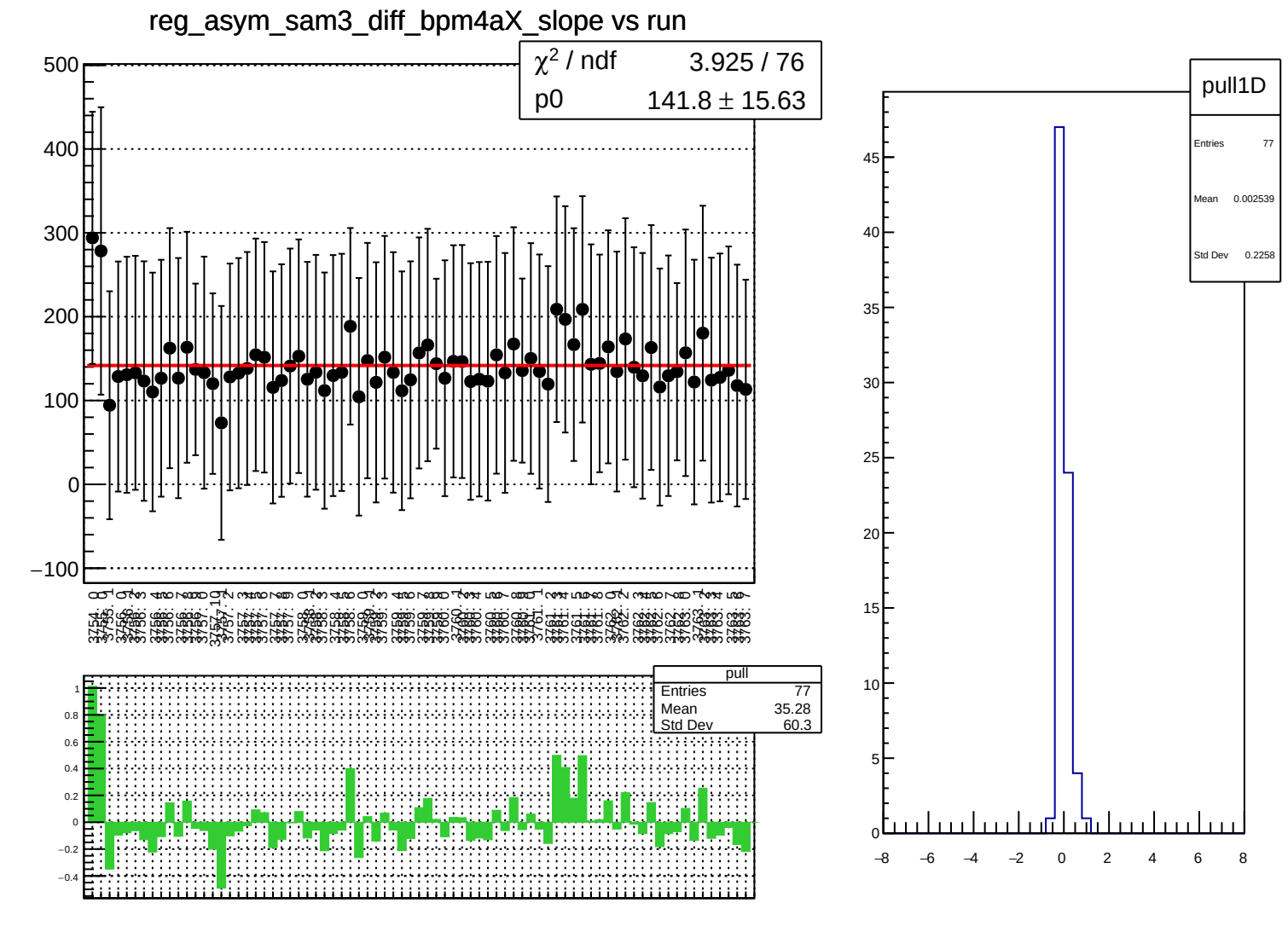

pull1D
Entries 77
Mean 0.01928
Std Dev 0.454
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

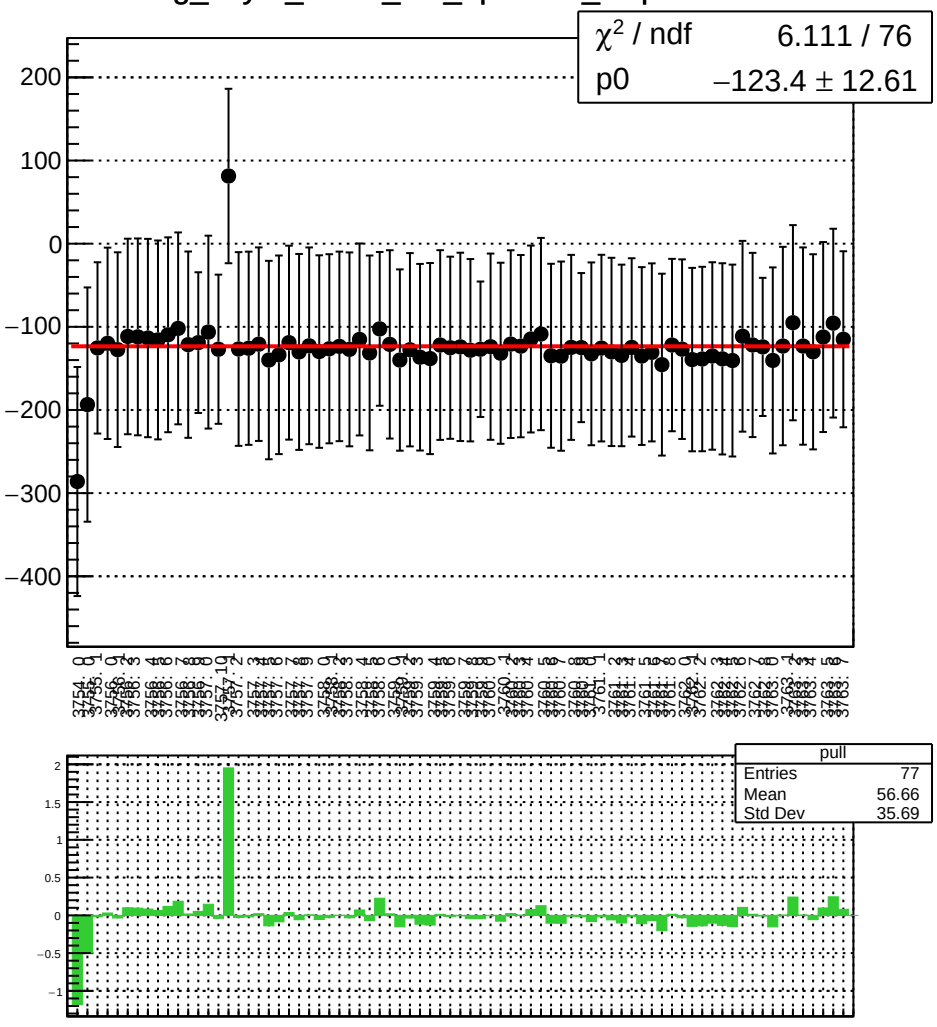

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 19.92 / 76
p0 208.5 ± 14.23
pull
Entries 77
Mean 139.3
Std Dev 135.1

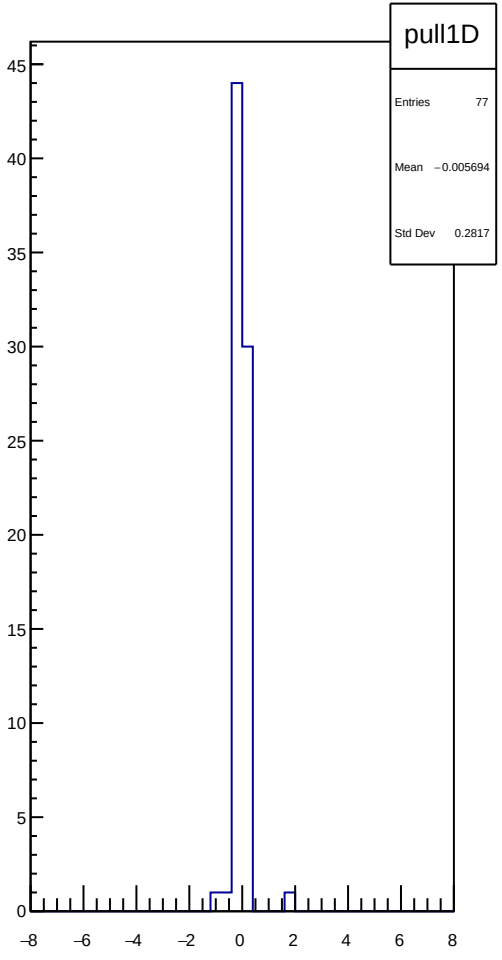

pull1D
Entries 77
Mean 0.01148
Std Dev 0.5085

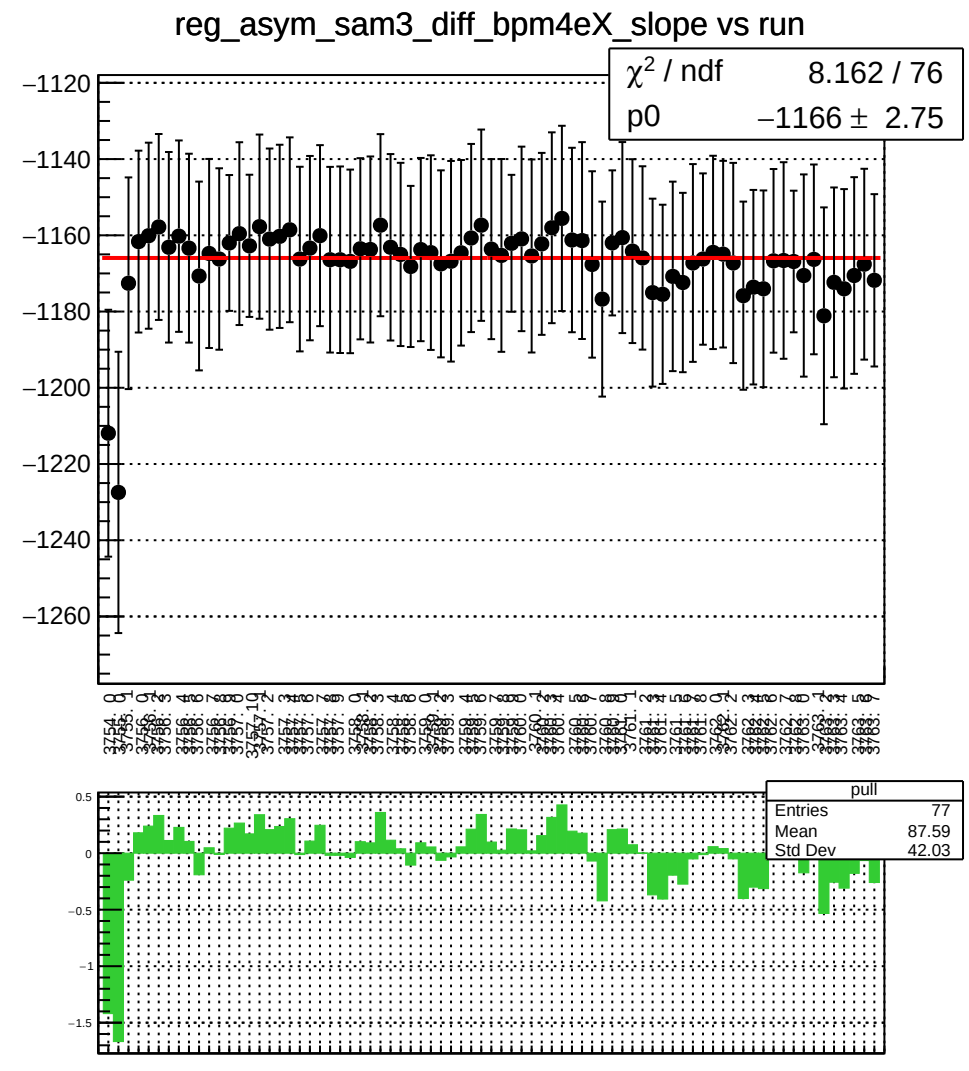

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 3.249 / 76
p0 18.46 ± 3.164
pull
Entries 77
Mean −1.544e+04
Std Dev 1.548e+04

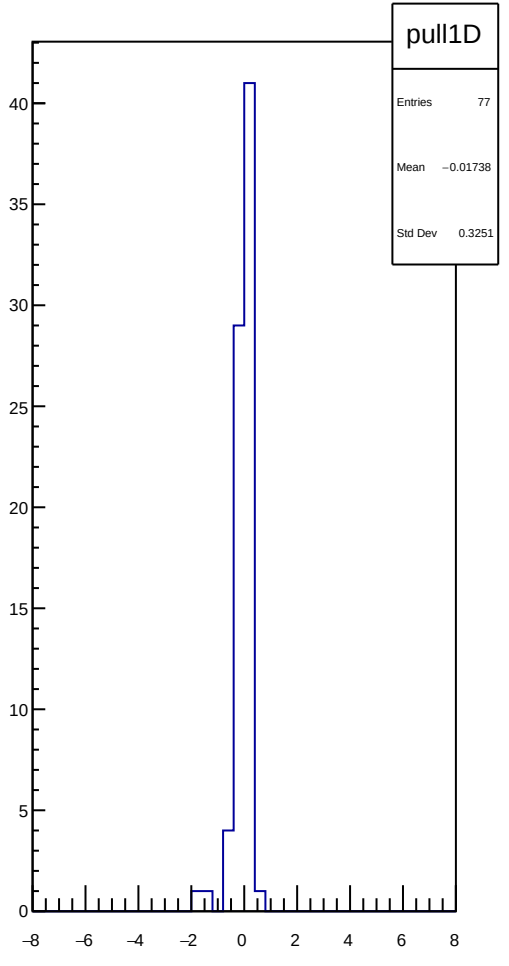

pull1D
Entries 77
Mean −0.0001381
Std Dev 0.2054

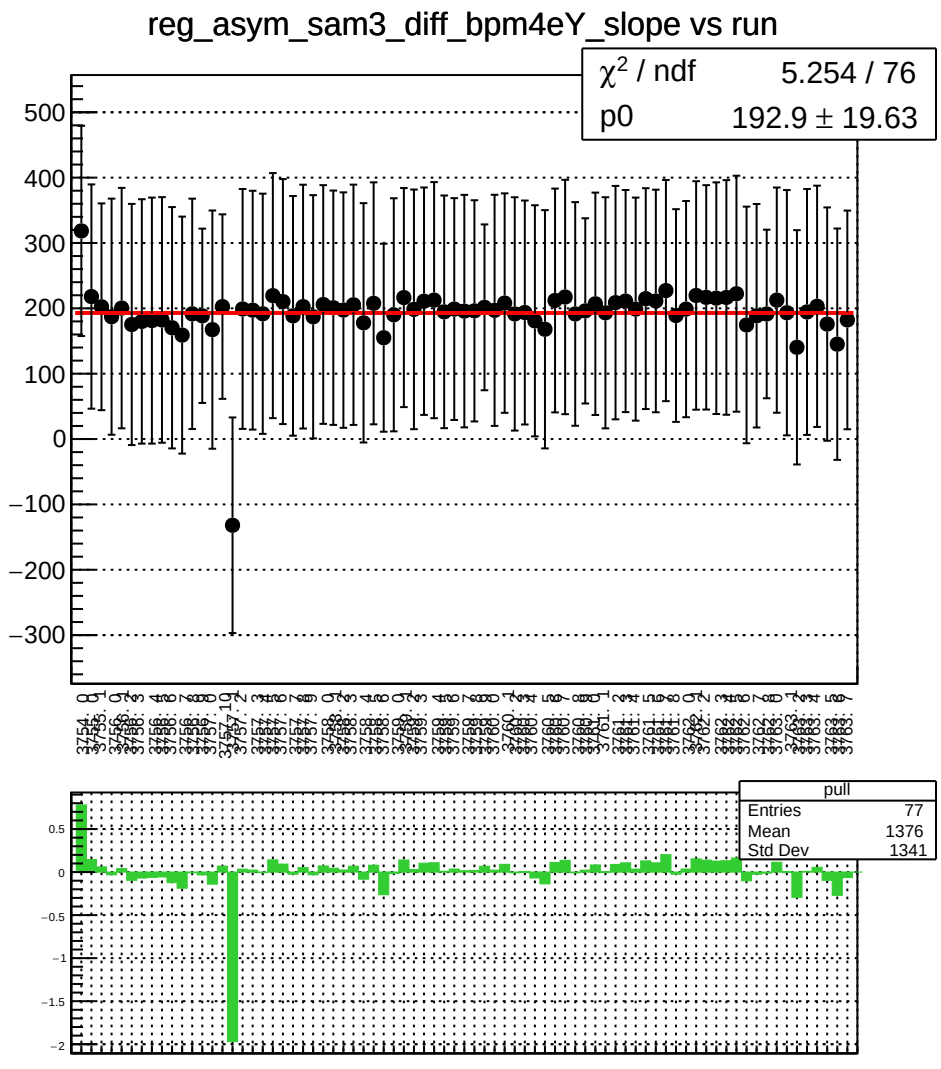

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 3.925 / 76
p0 141.8 ± 15.63
pull
Entries 77
Mean 35.28
Std Dev 60.3
pull1D
Entries 77
Mean 0.002539
Std Dev 0.2258

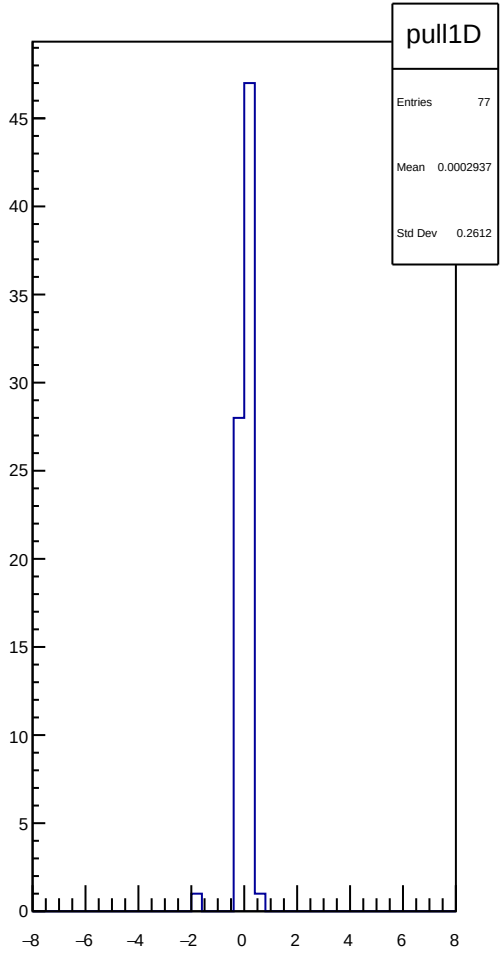

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 6.111 / 76
p0 −123.4 ± 12.61
pull
Entries 77
Mean 56.66
Std Dev 35.69

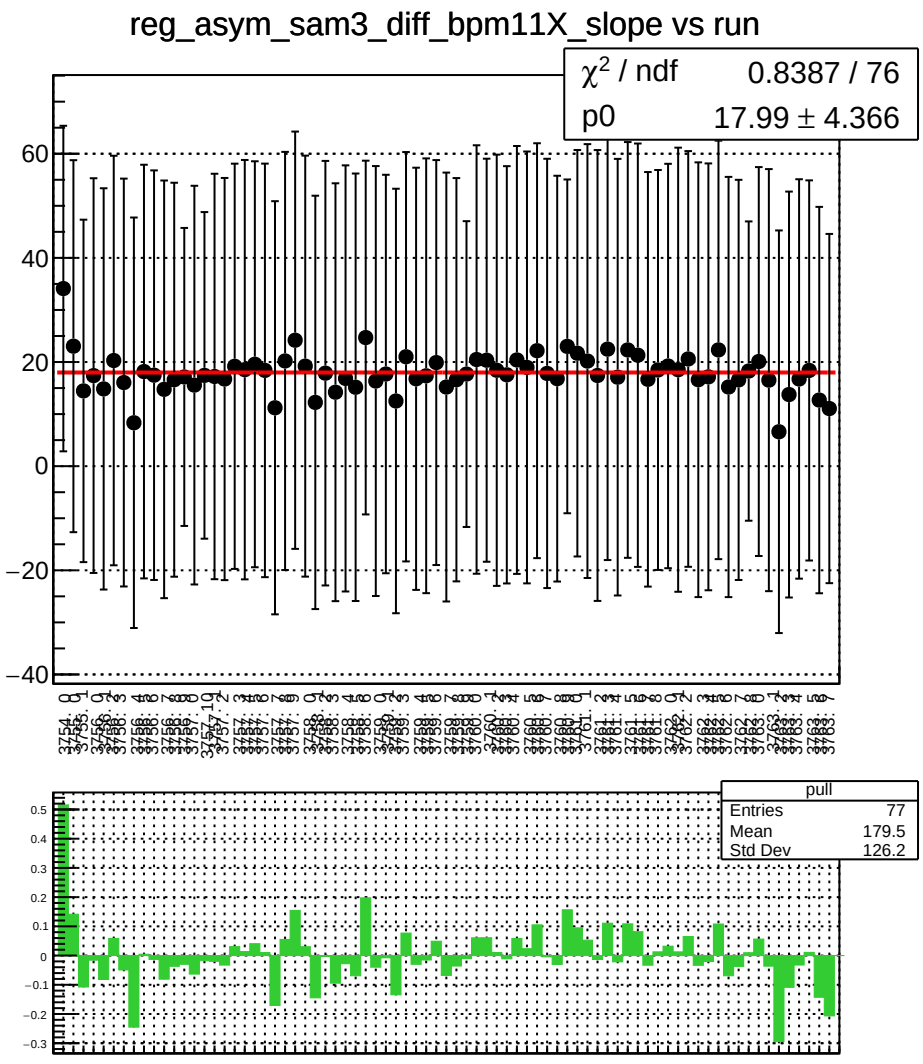

pull1D
Entries 77
Mean −0.005694
Std Dev 0.2817

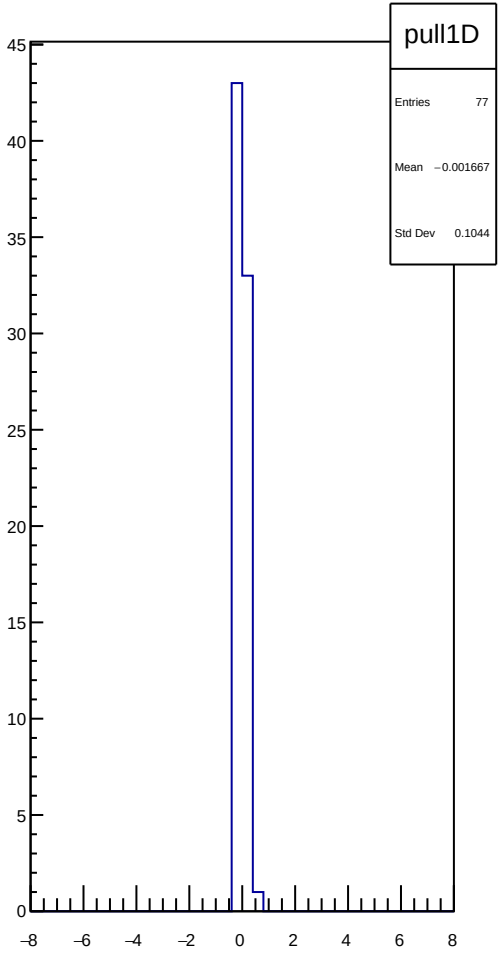

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 8.162 / 76
p0 −1166 ± 2.75
−1120
−1140
−1160
−1180
−1200
−1220
−1240
−1260
pull
Entries 77
Mean 87.59
Std Dev 42.03
0.5
0
−0.5
−1
−1.5

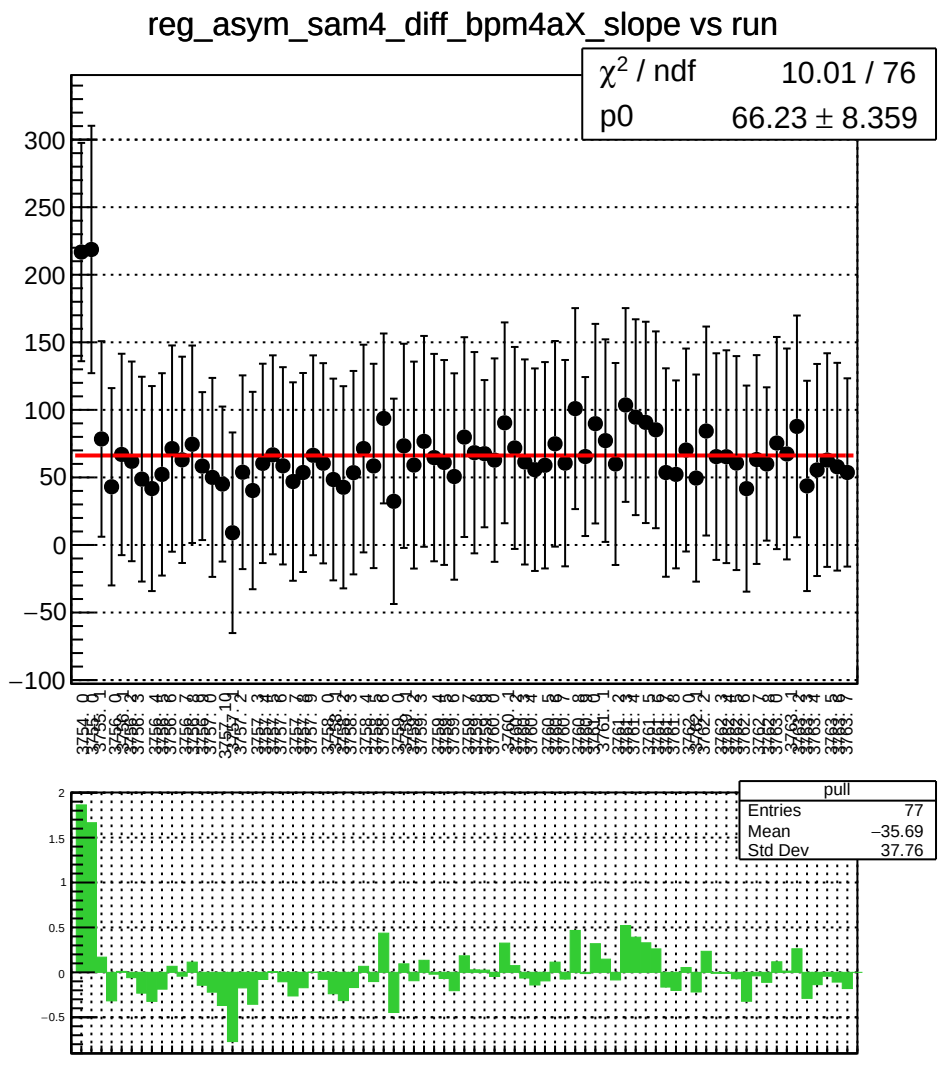

pull1D
Entries 77
Mean −0.01738
Std Dev 0.3251
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

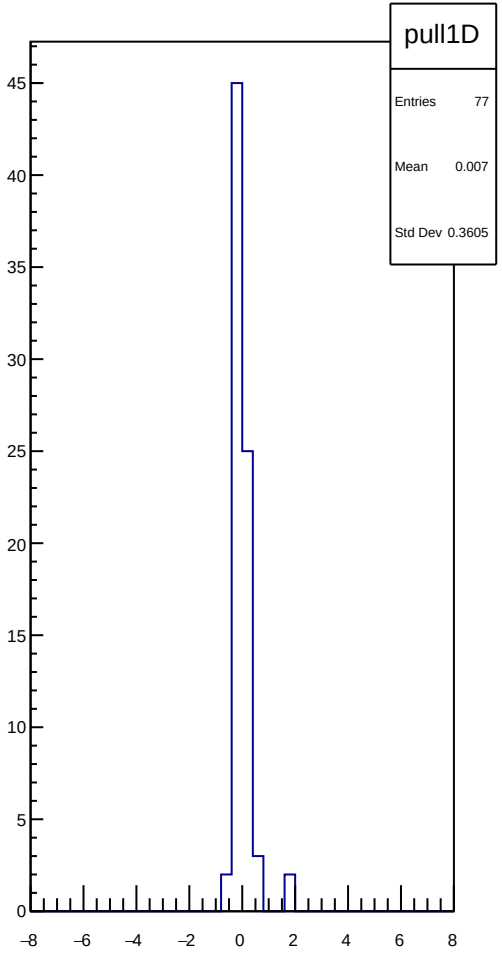

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 5.254 / 76
p0 192.9 ± 19.63
pull
Entries 77
Mean 1376
Std Dev 1341

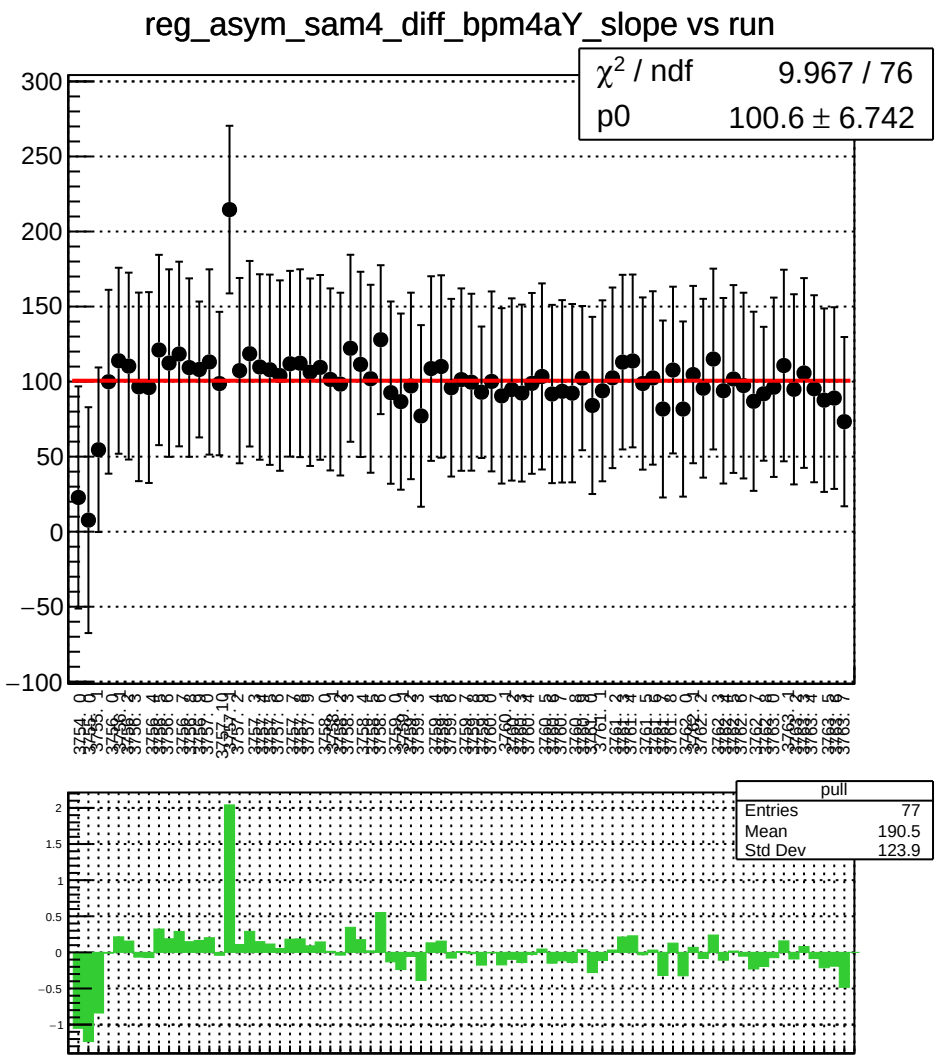

pull1D
Entries 77
Mean 0.0002937
Std Dev 0.2612

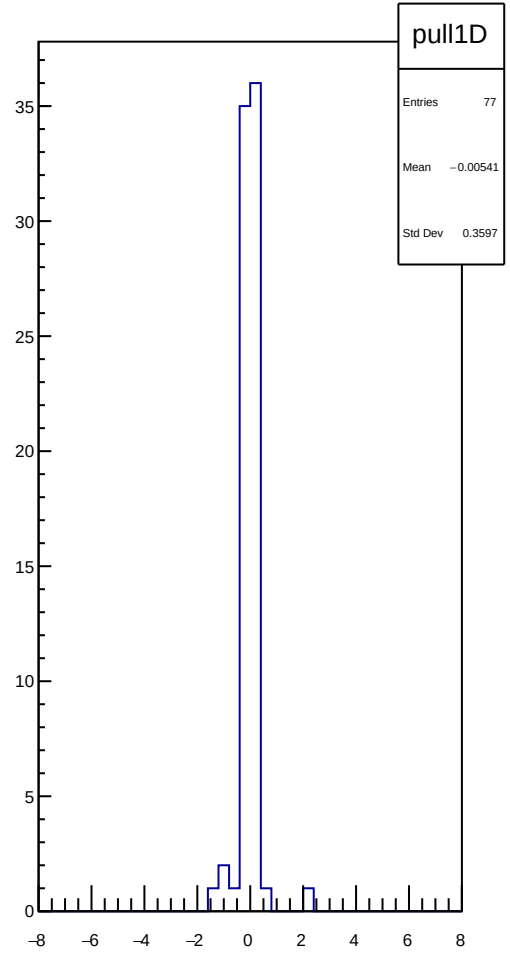

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 0.8387 / 76
p0 17.99 ± 4.366
pull
Entries 77
Mean 179.5
Std Dev 126.2

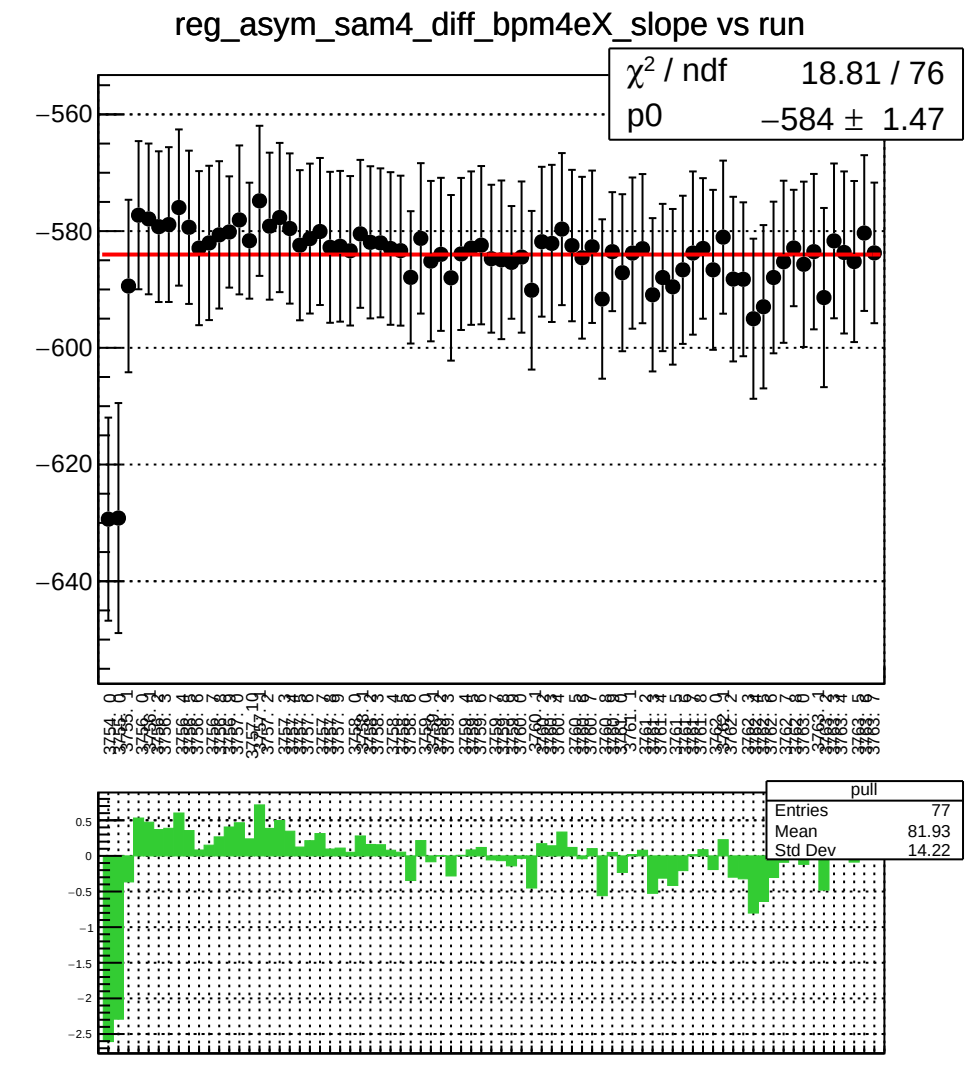

pull1D
Entries 77
Mean −0.001667
Std Dev 0.1044

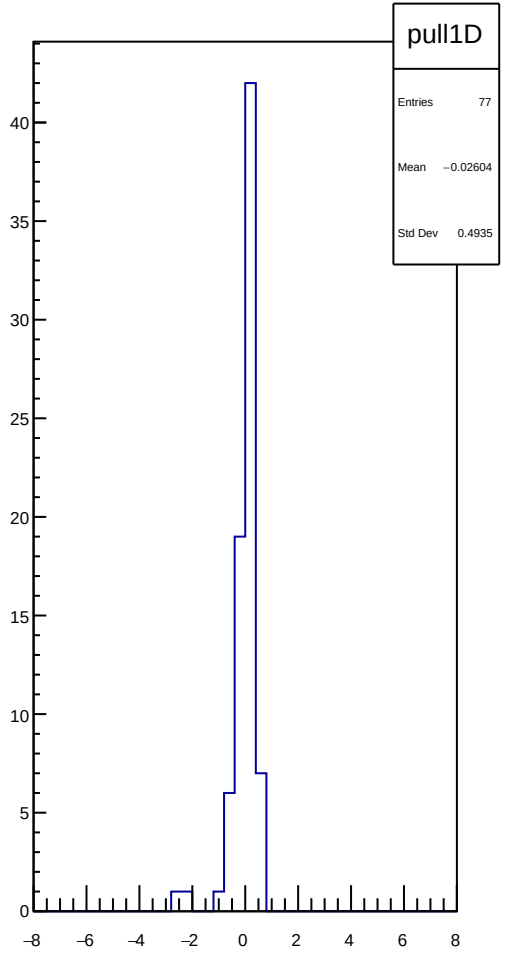

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 10.01 / 76
p0 66.23 ± 8.359
pull
Entries 77
Mean −35.69
Std Dev 37.76

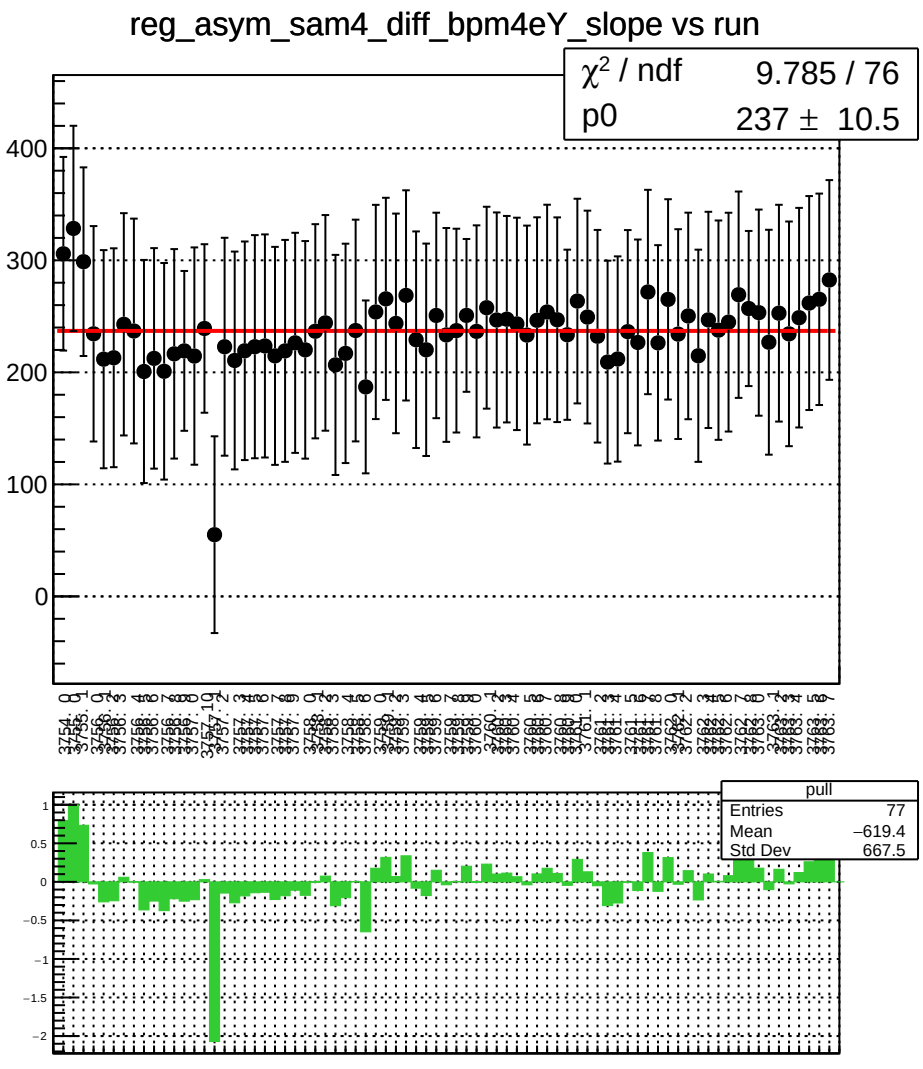

pull1D
Entries 77
Mean 0.007
Std Dev 0.3605

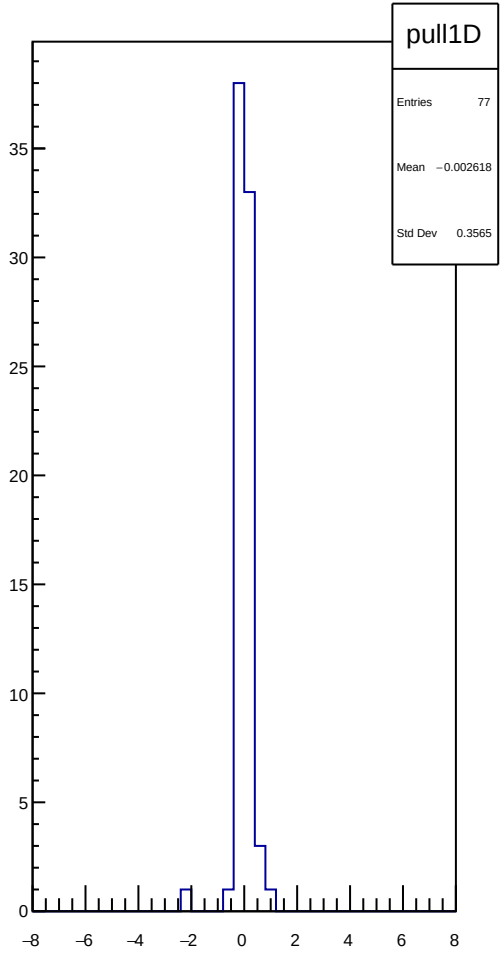

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 9.967 / 76
p0 100.6 ± 6.742
pull
Entries 77
Mean 190.5
Std Dev 123.9

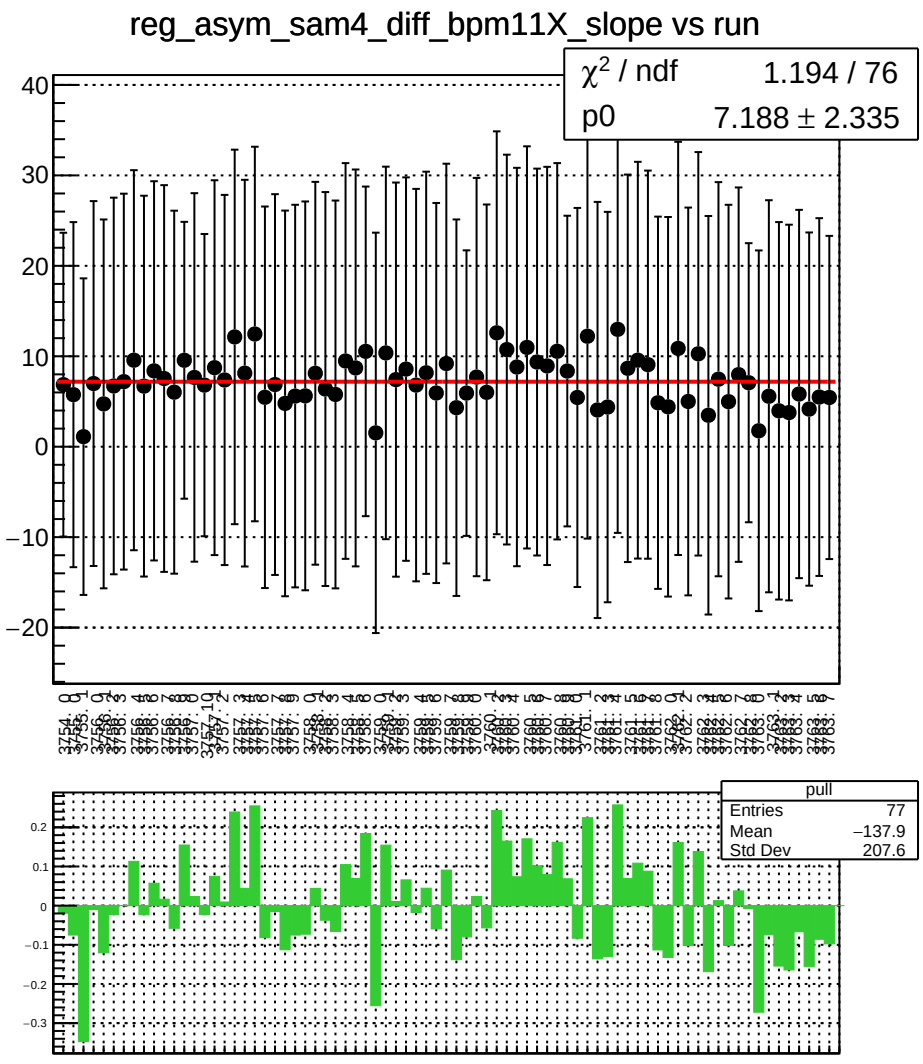

pull1D
Entries 77
Mean −0.00541
Std Dev 0.3597

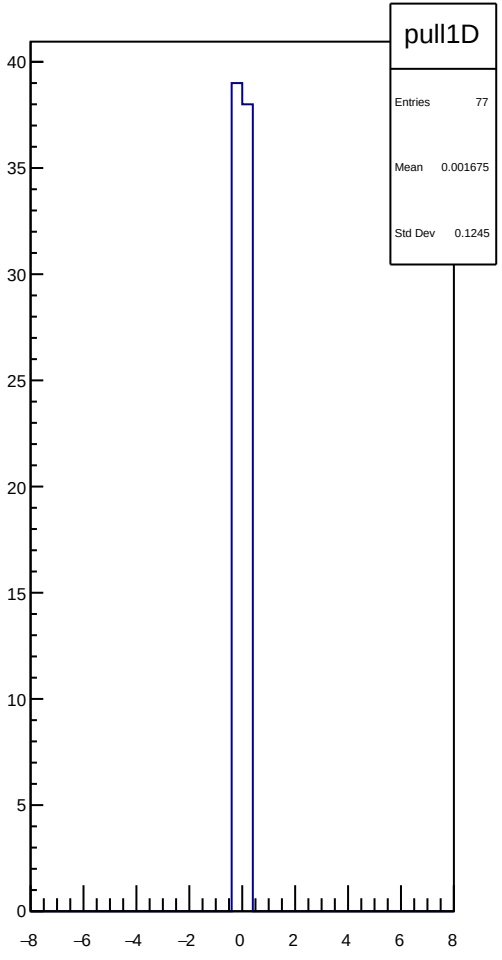

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 18.81 / 76
p0 −584 ± 1.47
−560
−580
−600
−620
−640
pull
Entries 77
Mean 81.93
Std Dev 14.22
0.5
0
−0.5
−1
−1.5
−2
−2.5

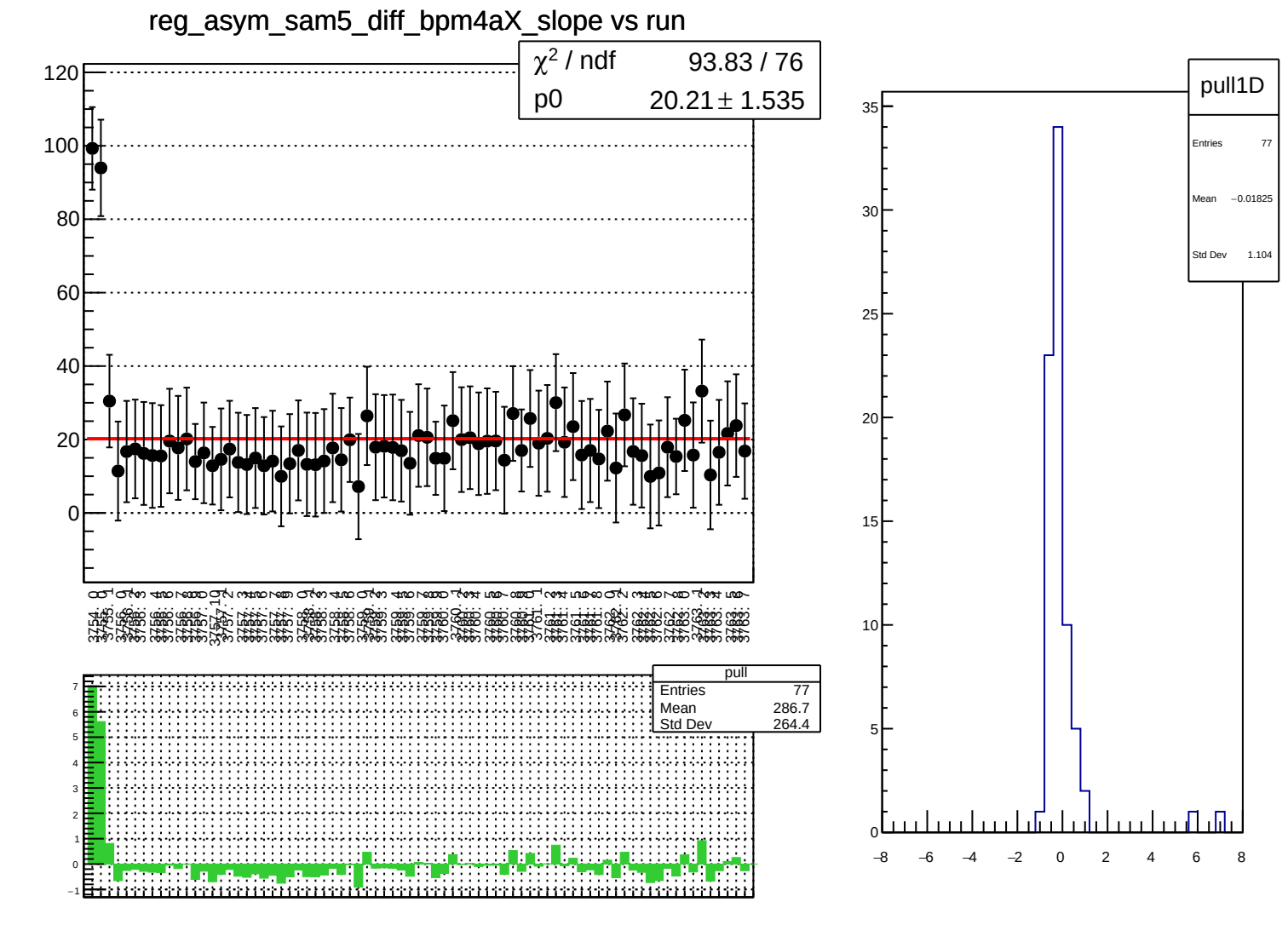

pull1D
Entries 77
Mean −0.02604
Std Dev 0.4935
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

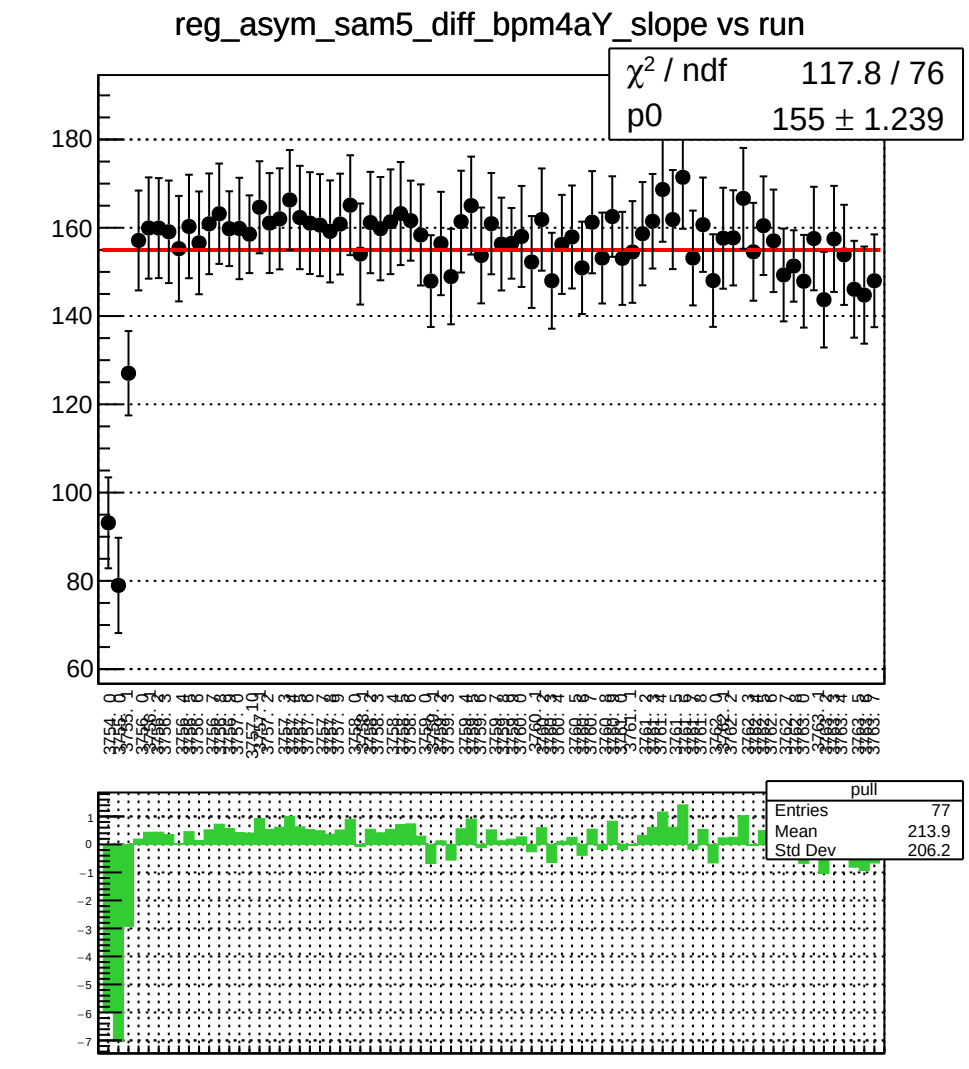

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 9.785 / 76
p0 237 ± 10.5
400
300
200
100
0
pull
Entries 77
Mean −619.4
Std Dev 667.5
1
0.5
0
−0.5
−1
−1.5
−2

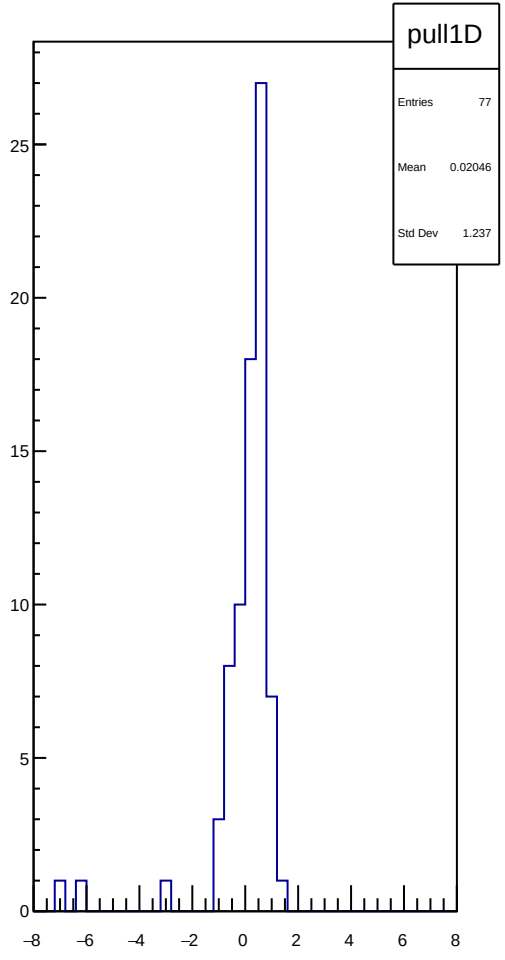

pull1D
Entries 77
Mean −0.002618
Std Dev 0.3565
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

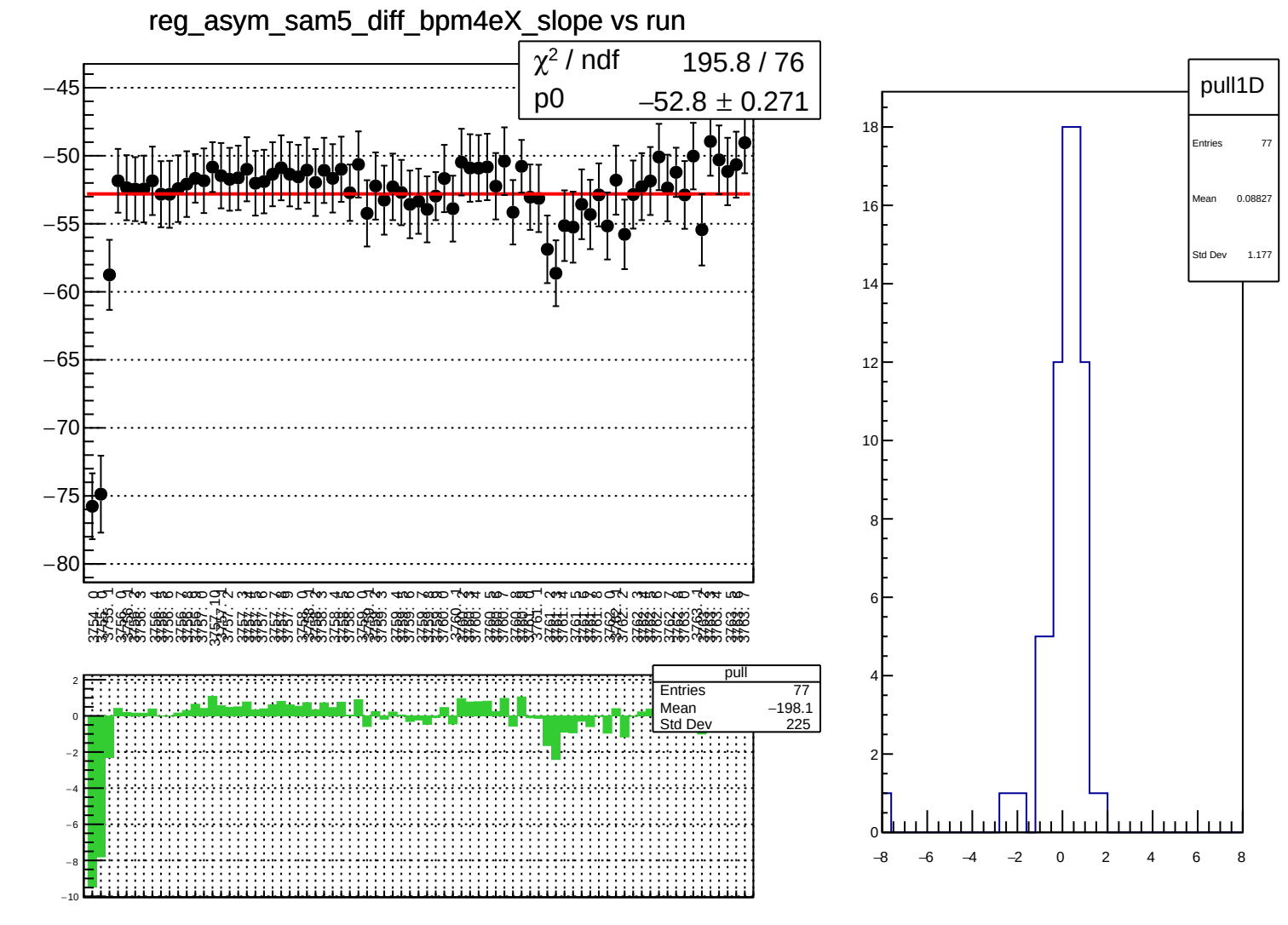

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 1.194 / 76
p0 7.188 ± 2.335
pull
Entries 77
Mean −137.9
Std Dev 207.6

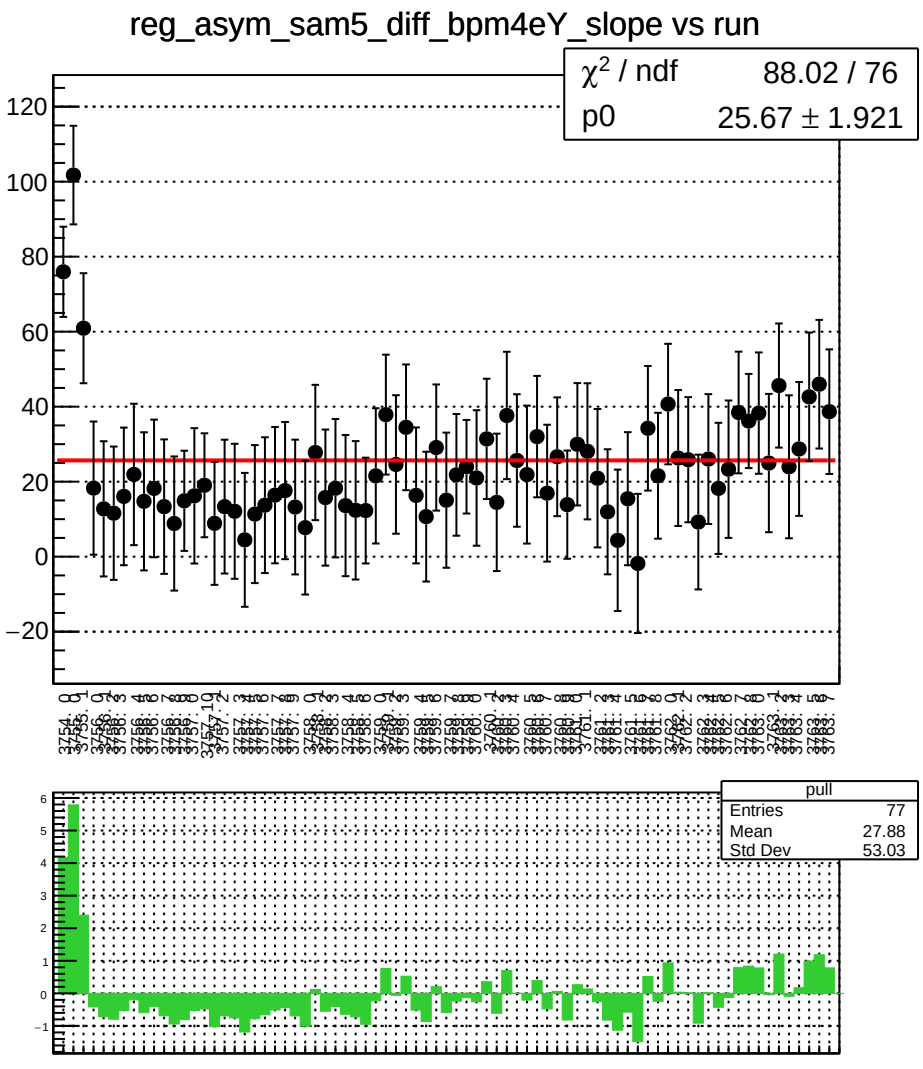

pull1D
Entries 77
Mean 0.001675
Std Dev 0.1245

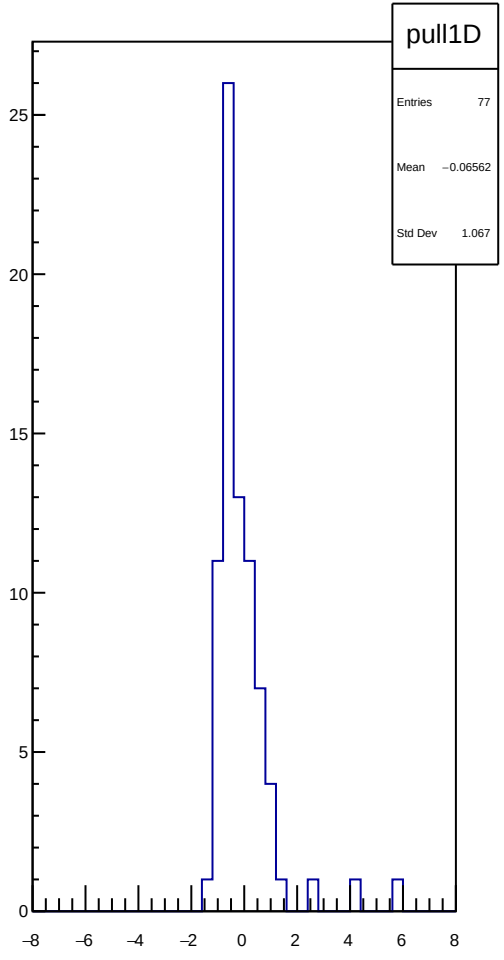

reg_asym_sam5_diff_bpm4aX_slope vs run
χ^2 / ndf 93.83 / 76
p0 20.21 ± 1.535
pull
Entries 77
Mean 286.7
Std Dev 264.4
pull1D
Entries 77
Mean −0.01825
Std Dev 1.104

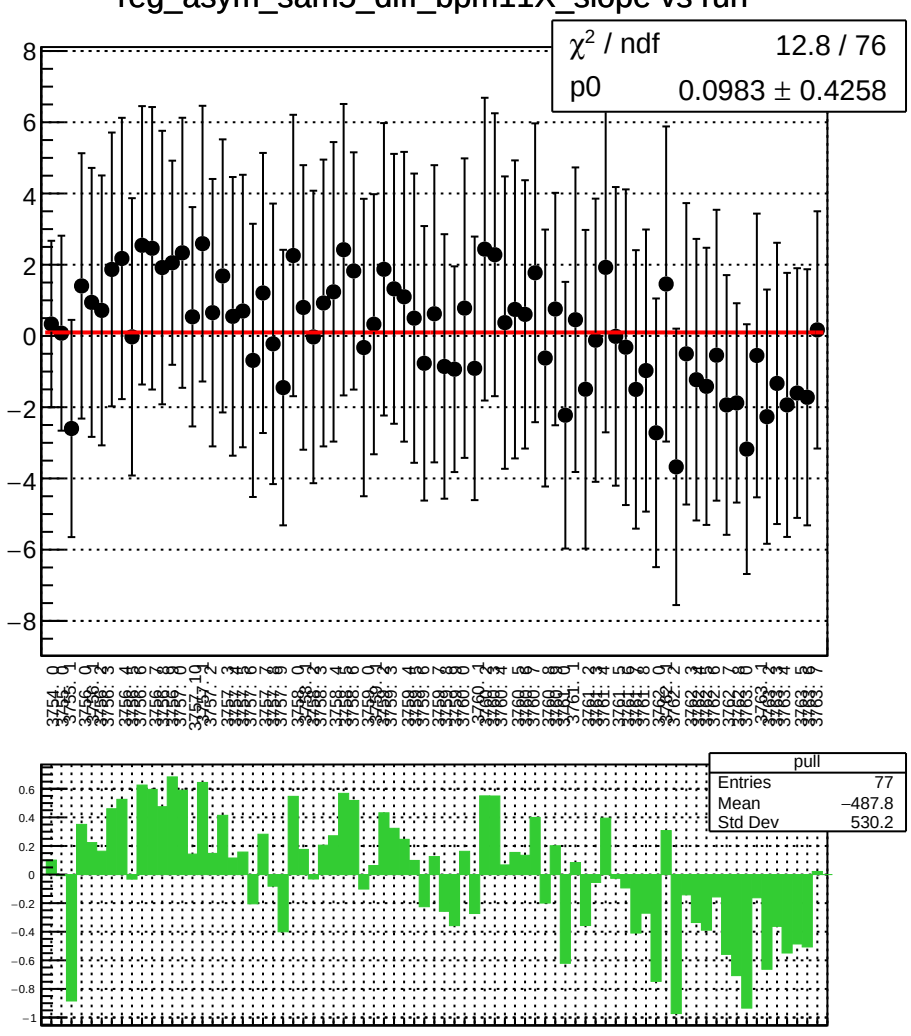

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 117.8 / 76
p0 155 ± 1.239
pull
Entries 77
Mean 213.9
Std Dev 206.2

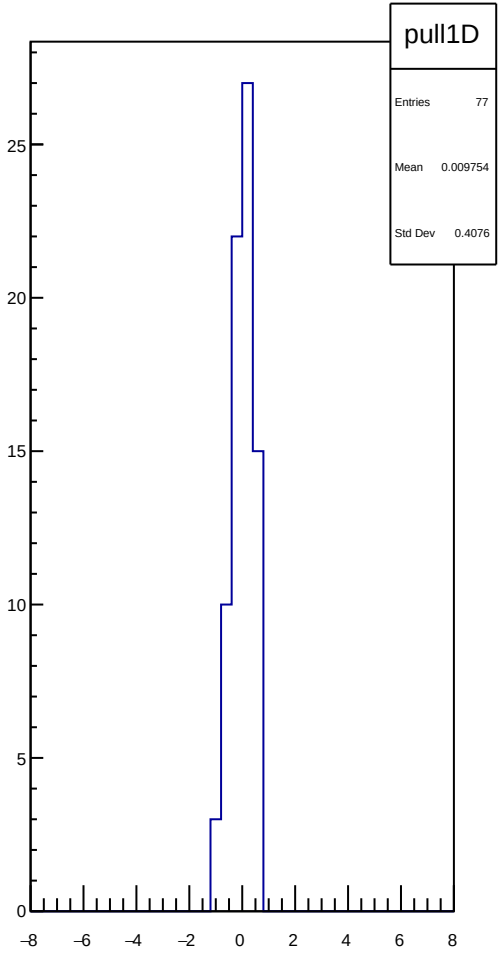

pull1D
Entries 77
Mean 0.02046
Std Dev 1.237

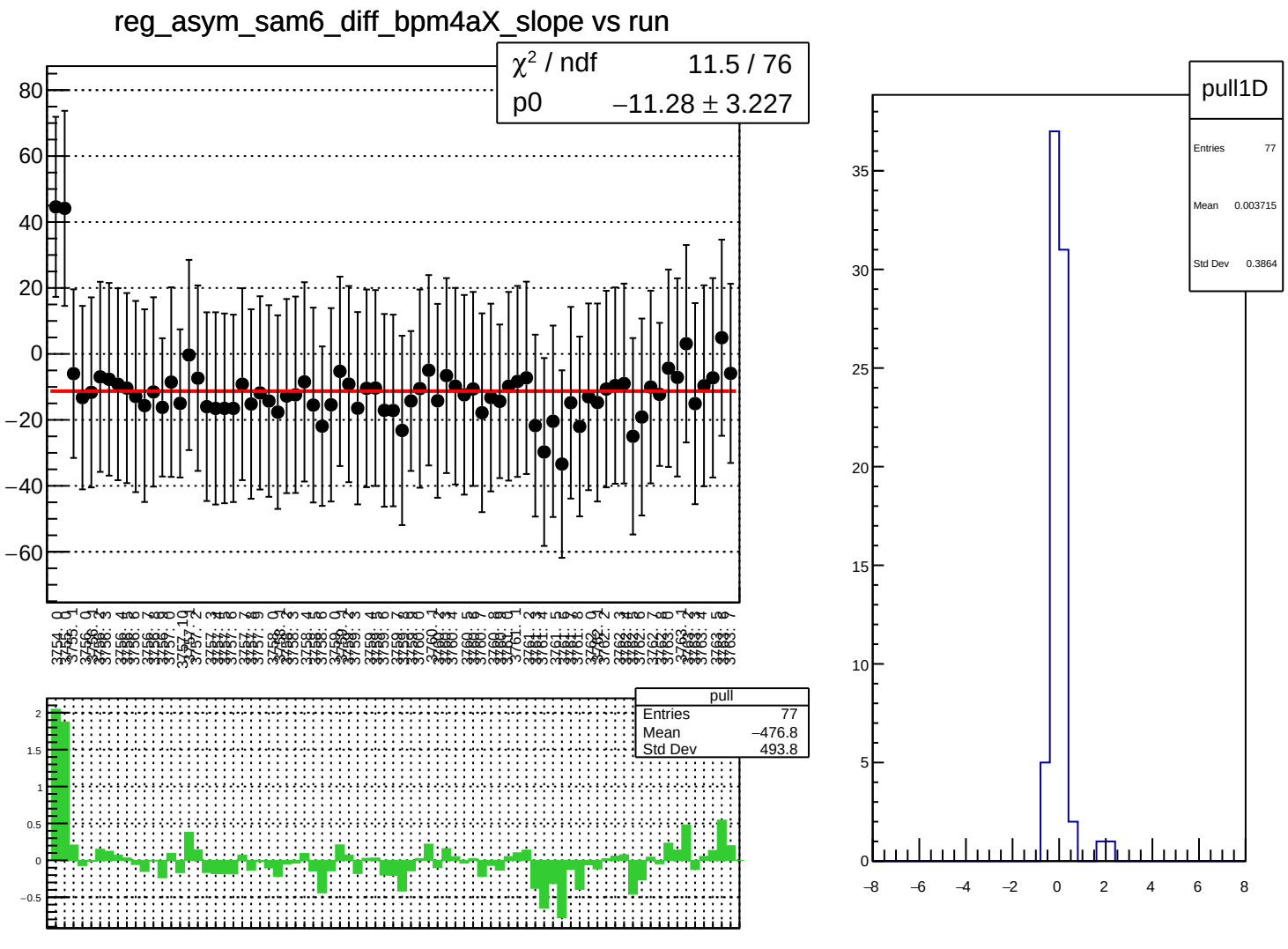

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 195.8 / 76
p0 −52.8 ± 0.271
pull
Entries 77
Mean −198.1
Std Dev 225
pull1D
Entries 77
Mean 0.08827
Std Dev 1.177

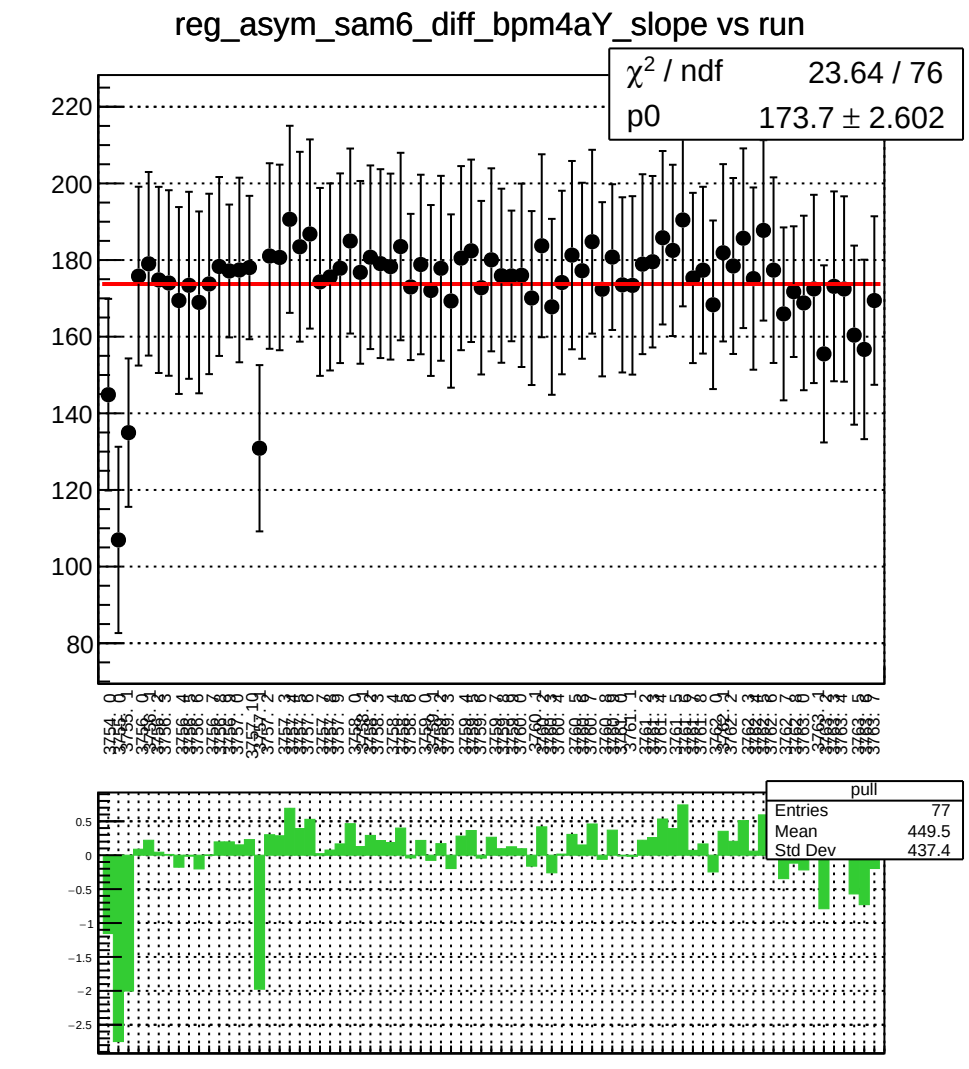

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 88.02 / 76
p0 25.67 ± 1.921
pull
Entries 77
Mean 27.88
Std Dev 53.03

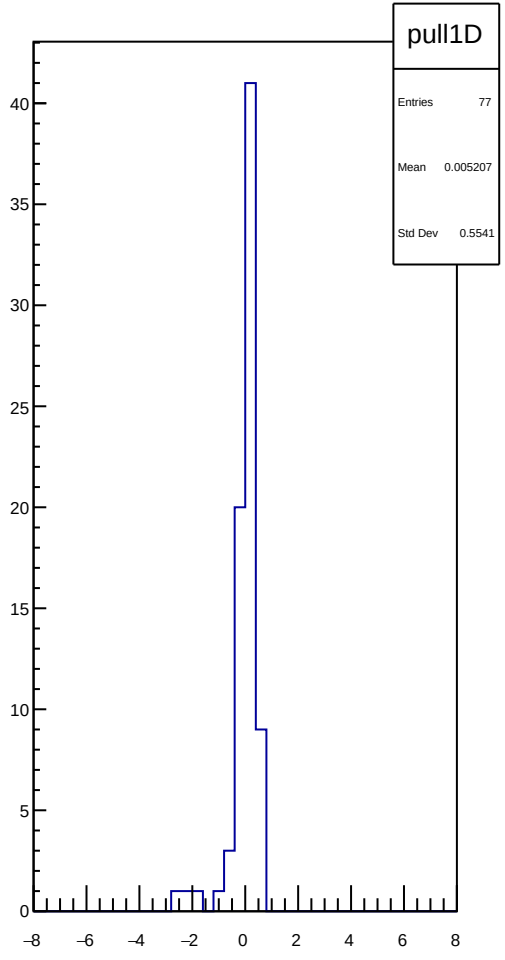

pull1D
Entries 77
Mean −0.06562
Std Dev 1.067

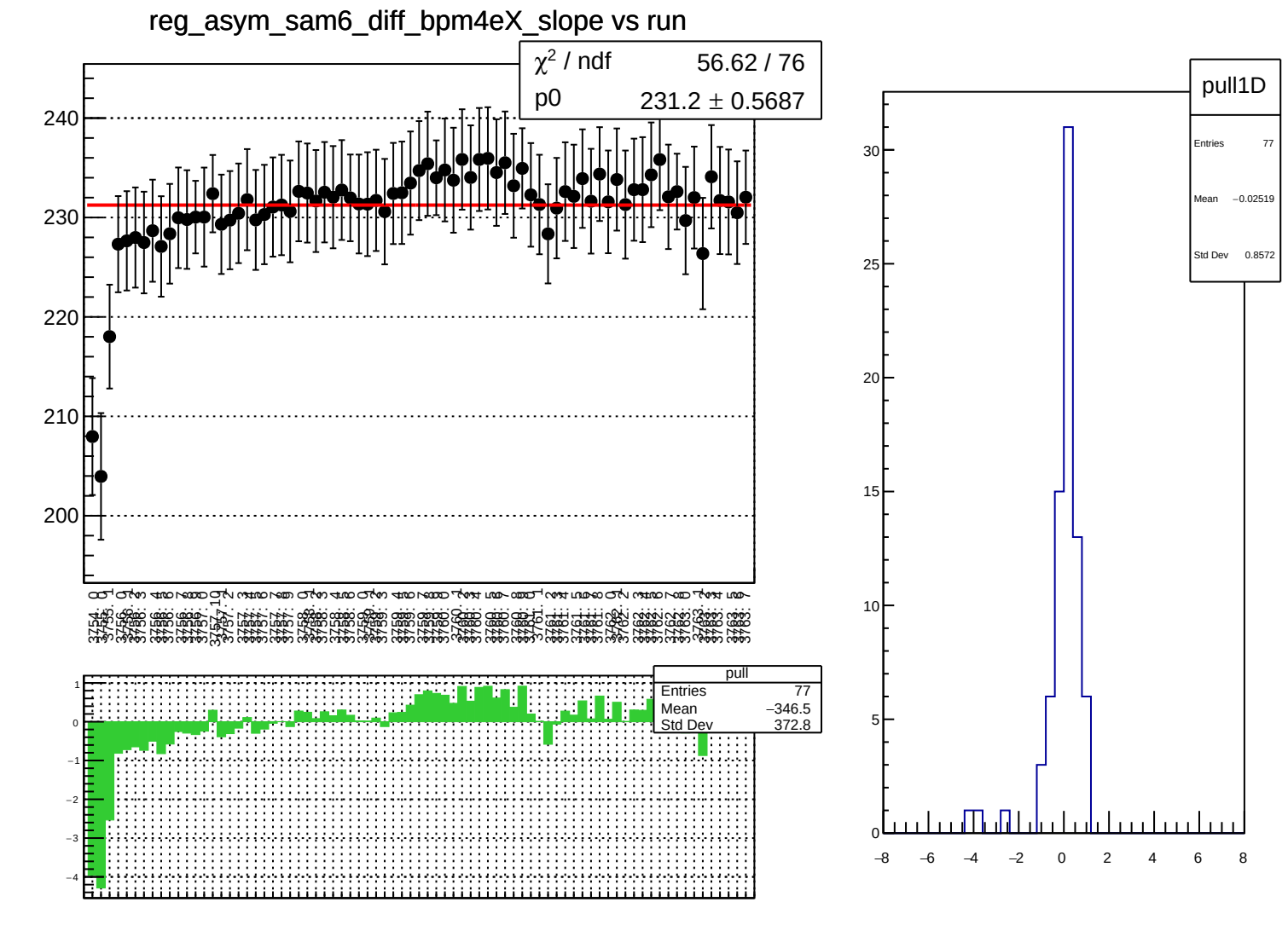

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 12.8 / 76
p0 0.0983 ± 0.4258
pull
Entries 77
Mean −487.8
Std Dev 530.2

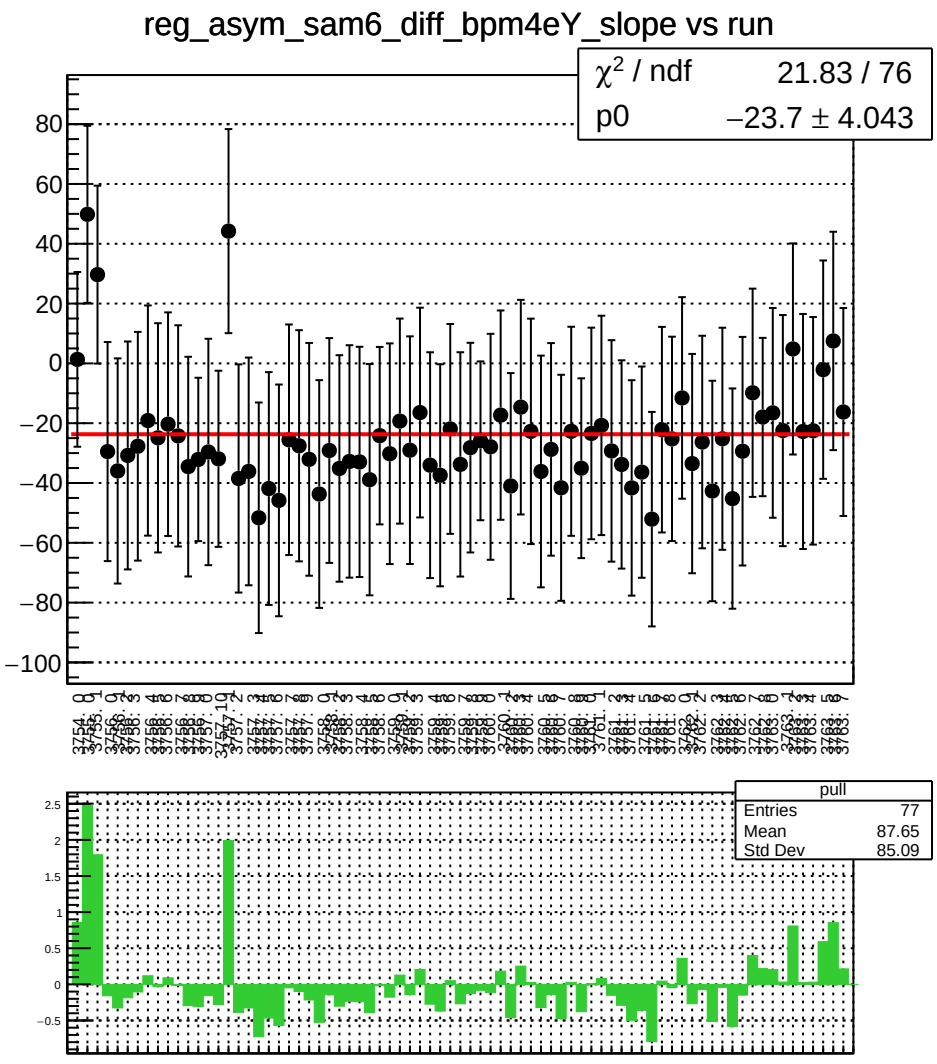

pull1D
Entries 77
Mean 0.009754
Std Dev 0.4076

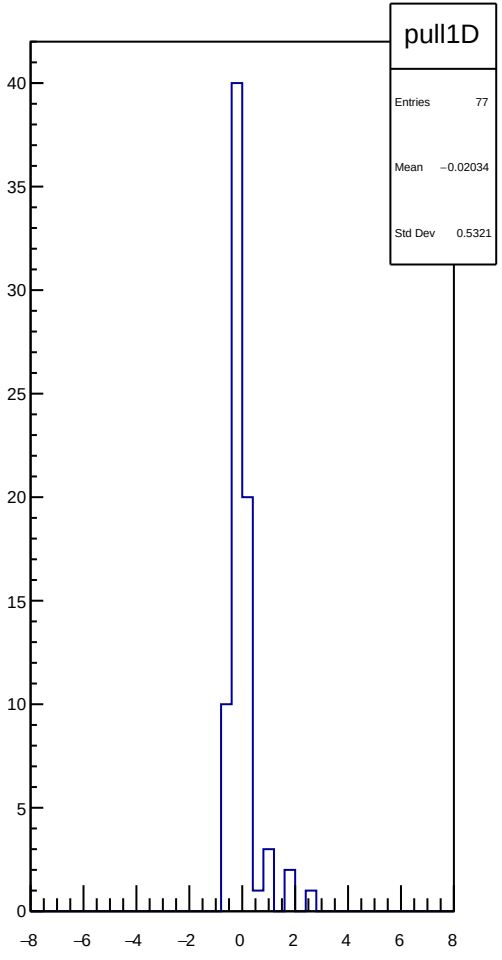

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 11.5 / 76
p0 −11.28 ± 3.227
pull
Entries 77
Mean −476.8
Std Dev 493.8
pull1D
Entries 77
Mean 0.003715
Std Dev 0.3864

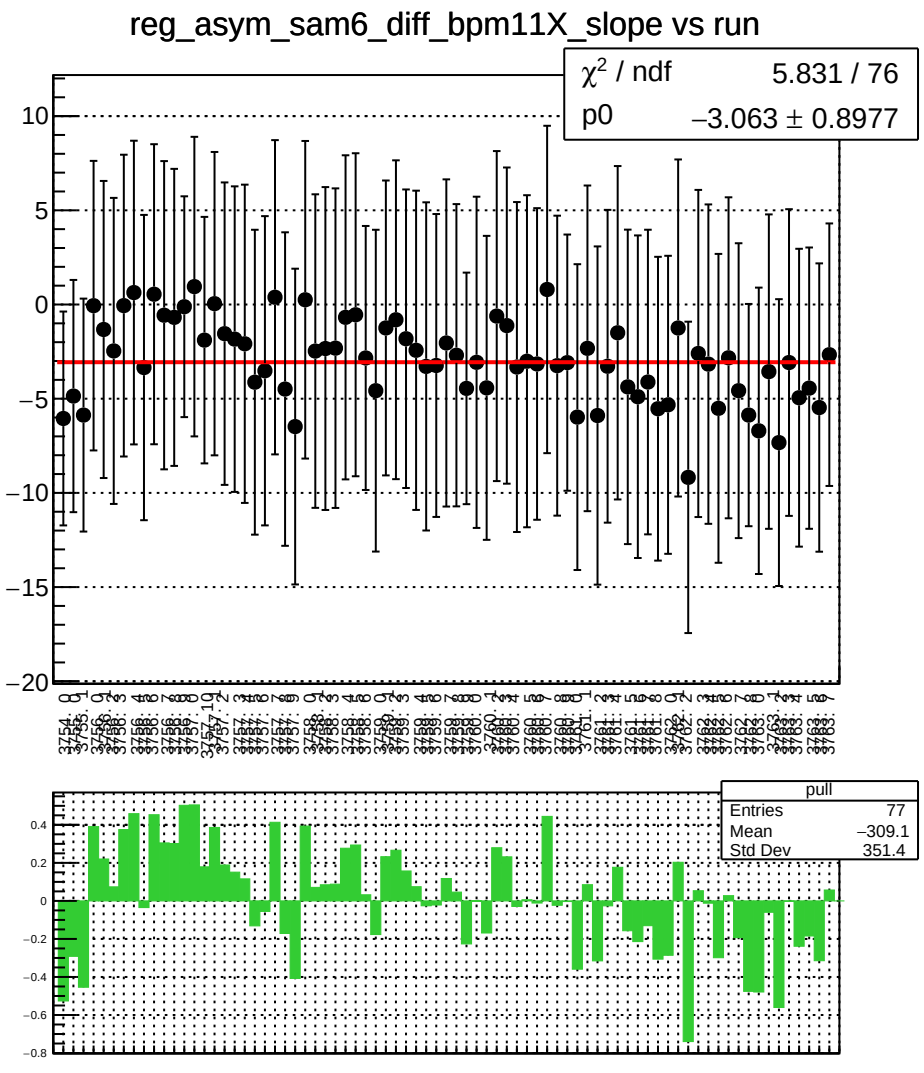

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 23.64 / 76
p0 173.7 ± 2.602
pull
Entries 77
Mean 449.5
Std Dev 437.4

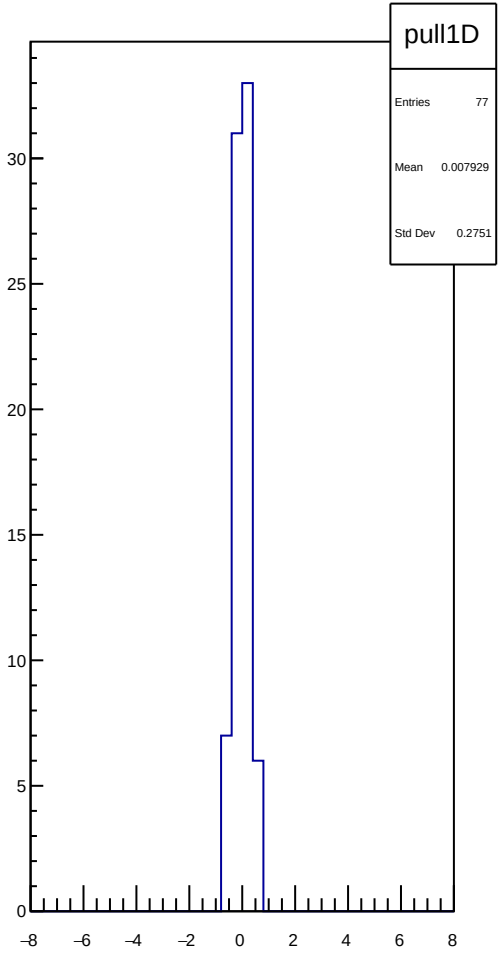

pull1D
Entries 77
Mean 0.005207
Std Dev 0.5541

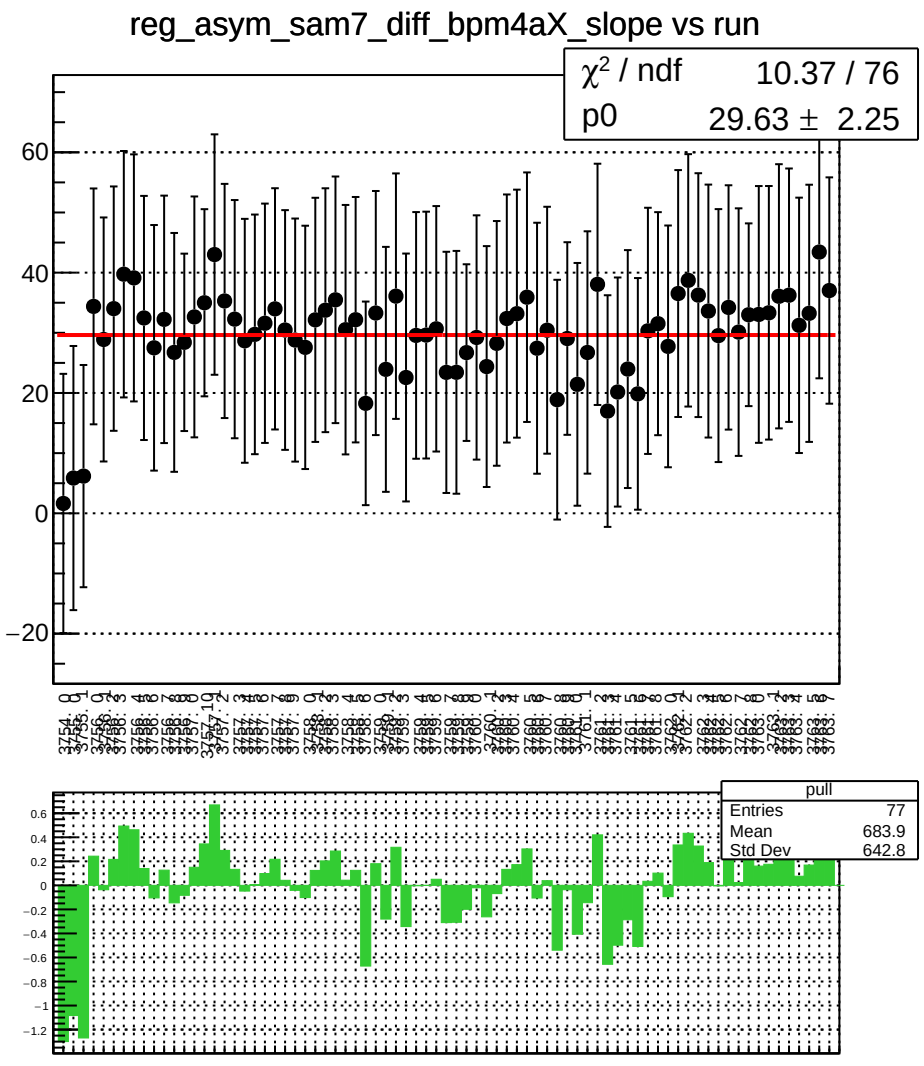

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 56.62 / 76
p0 231.2 ± 0.5687
240
230
220
210
200
pull
Entries 77
Mean −346.5
Std Dev 372.8
1
0
−1
−2
−3
−4
pull1D
Entries 77
Mean −0.02519
Std Dev 0.8572
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

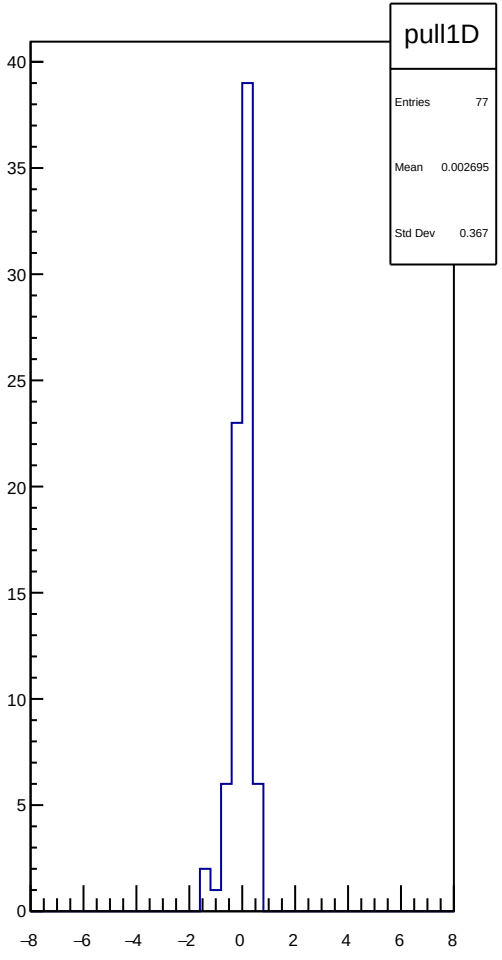

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 21.83 / 76
p0 −23.7 ± 4.043
pull
Entries 77
Mean 87.65
Std Dev 85.09

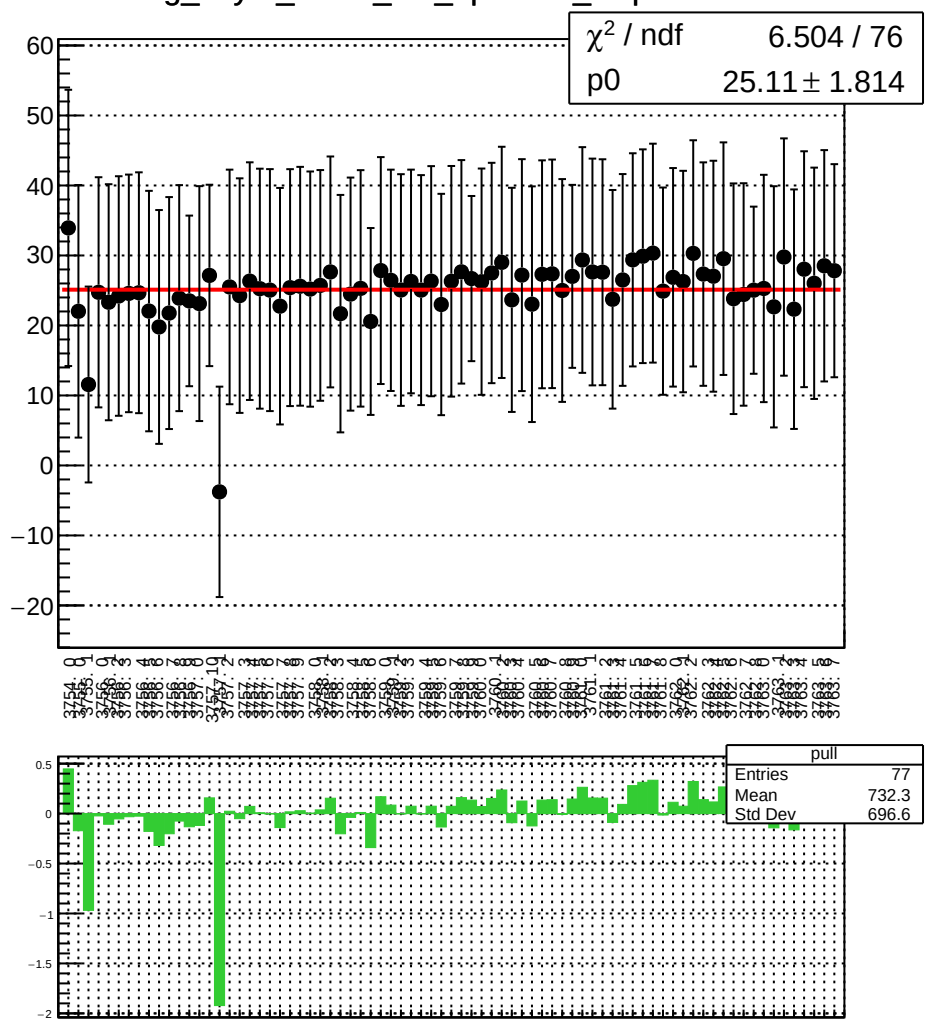

pull1D
Entries 77
Mean −0.02034
Std Dev 0.5321

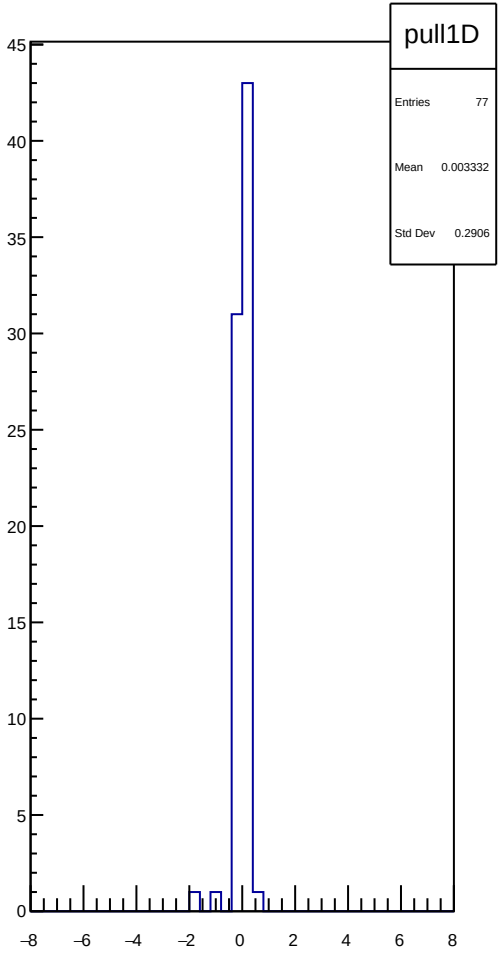

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 5.831 / 76
p0 −3.063 ± 0.8977
pull
Entries 77
Mean −309.1
Std Dev 351.4

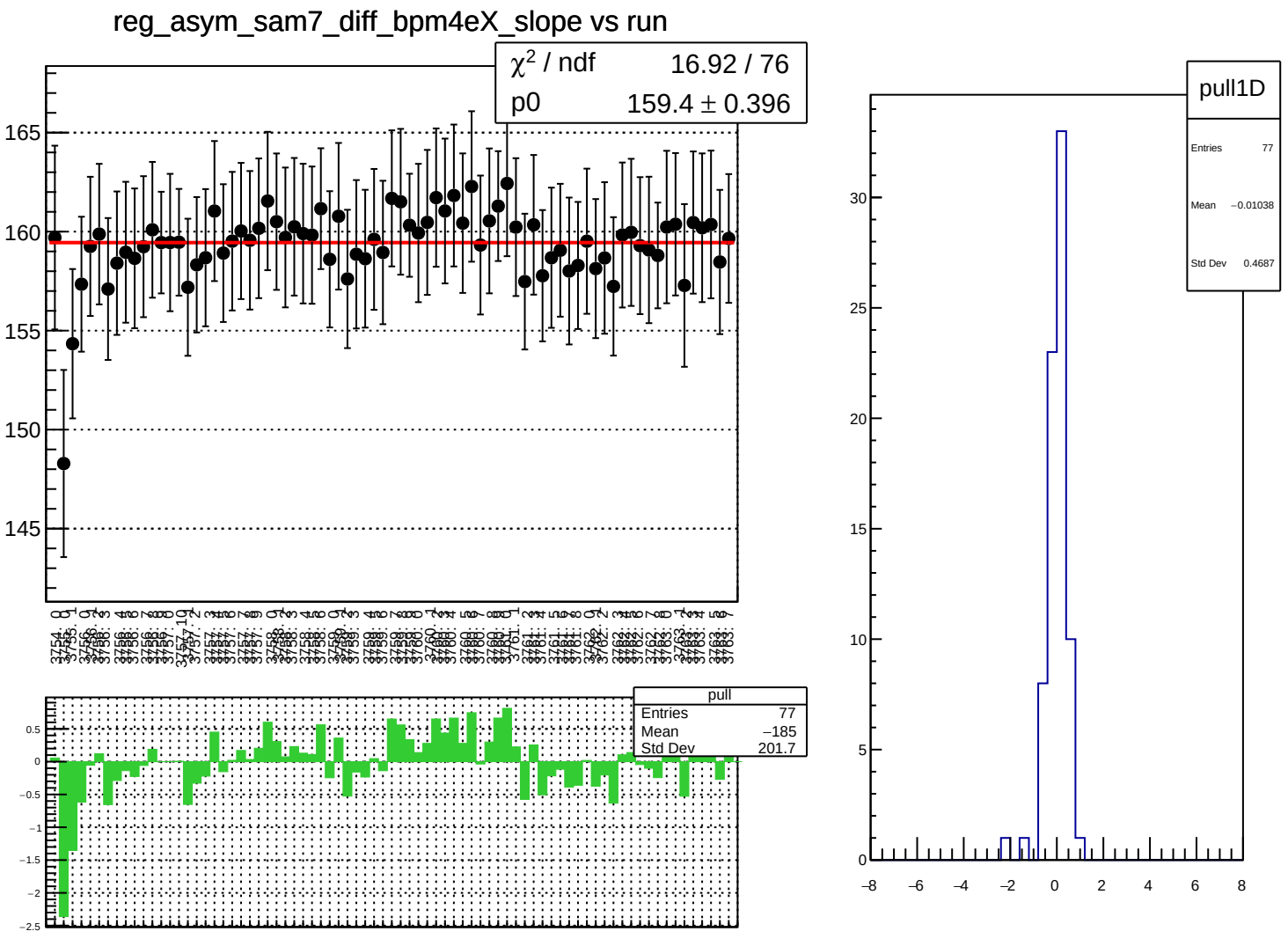

pull1D
Entries 77
Mean 0.007929
Std Dev 0.2751

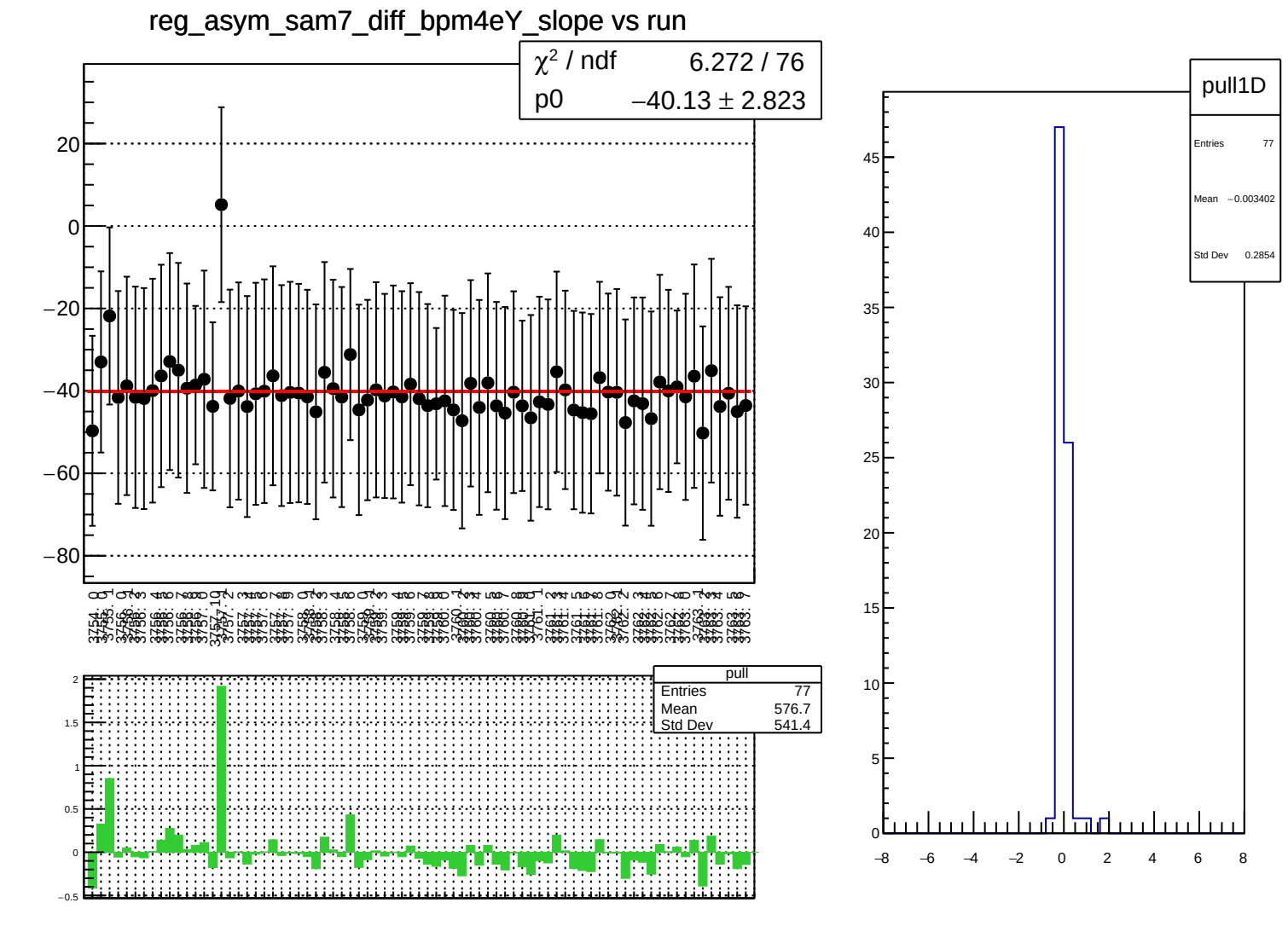

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 10.37 / 76
p0 29.63 ± 2.25
pull
Entries 77
Mean 683.9
Std Dev 642.8

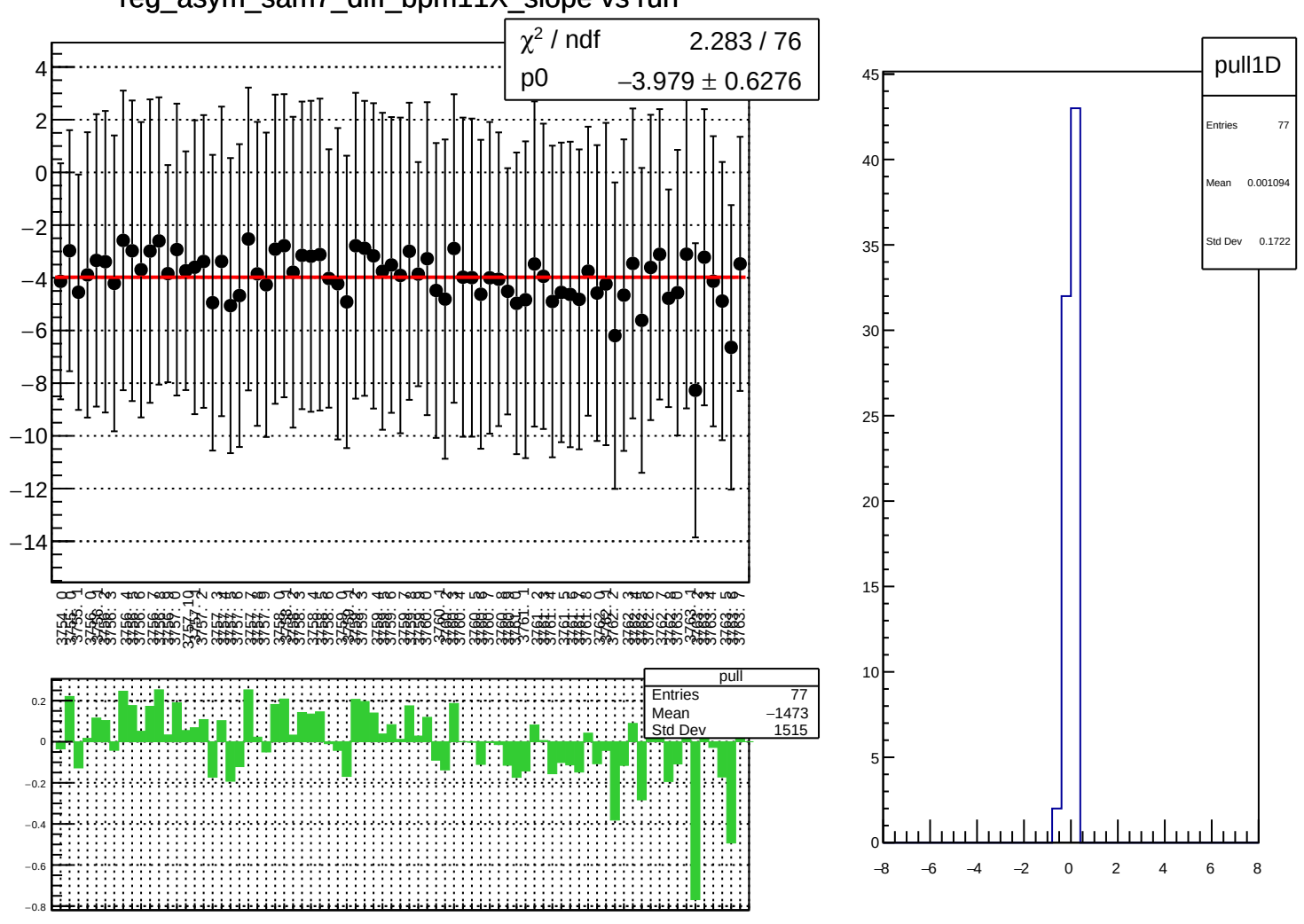

pull1D
Entries 77
Mean 0.002695
Std Dev 0.367

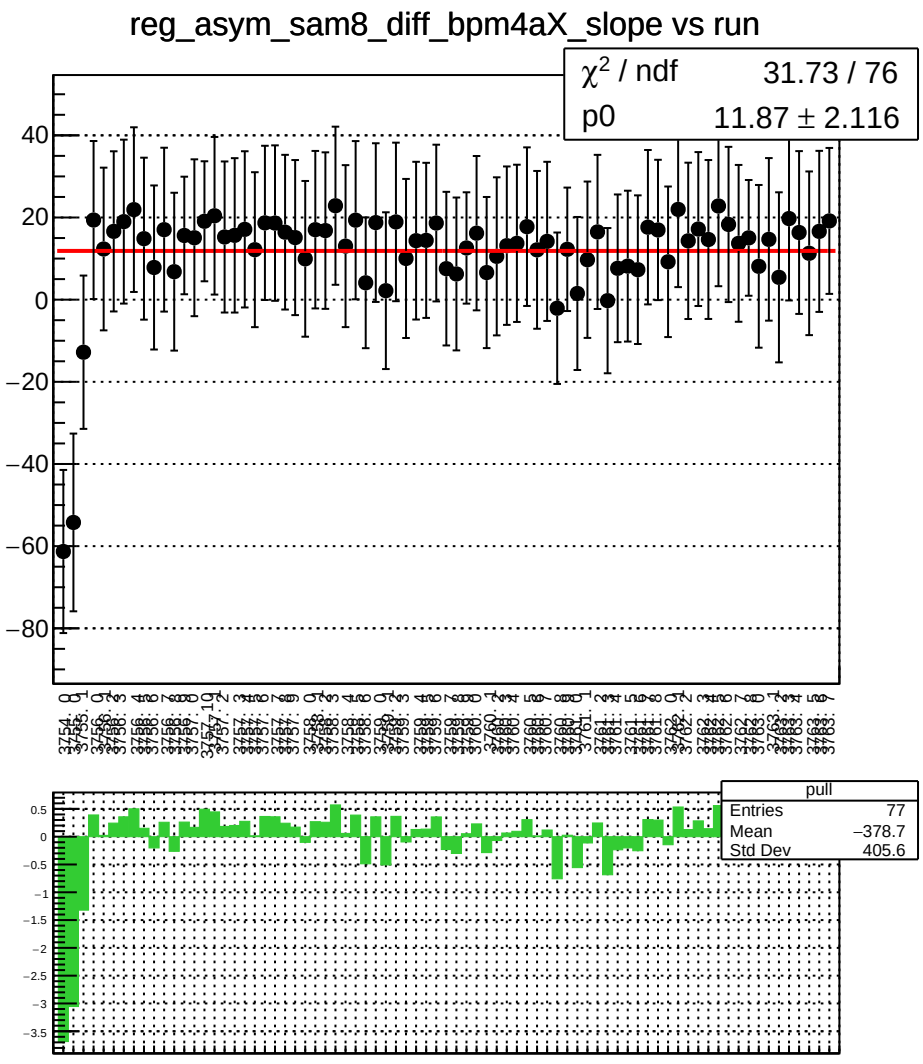

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 6.504 / 76
p0 25.11 ± 1.814
pull
Entries 77
Mean 732.3
Std Dev 696.6

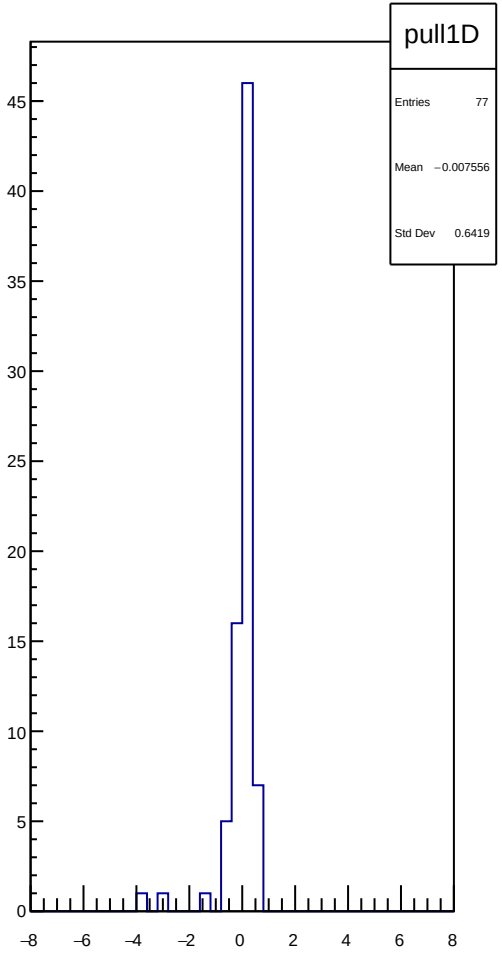

pull1D
Entries 77
Mean 0.003332
Std Dev 0.2906

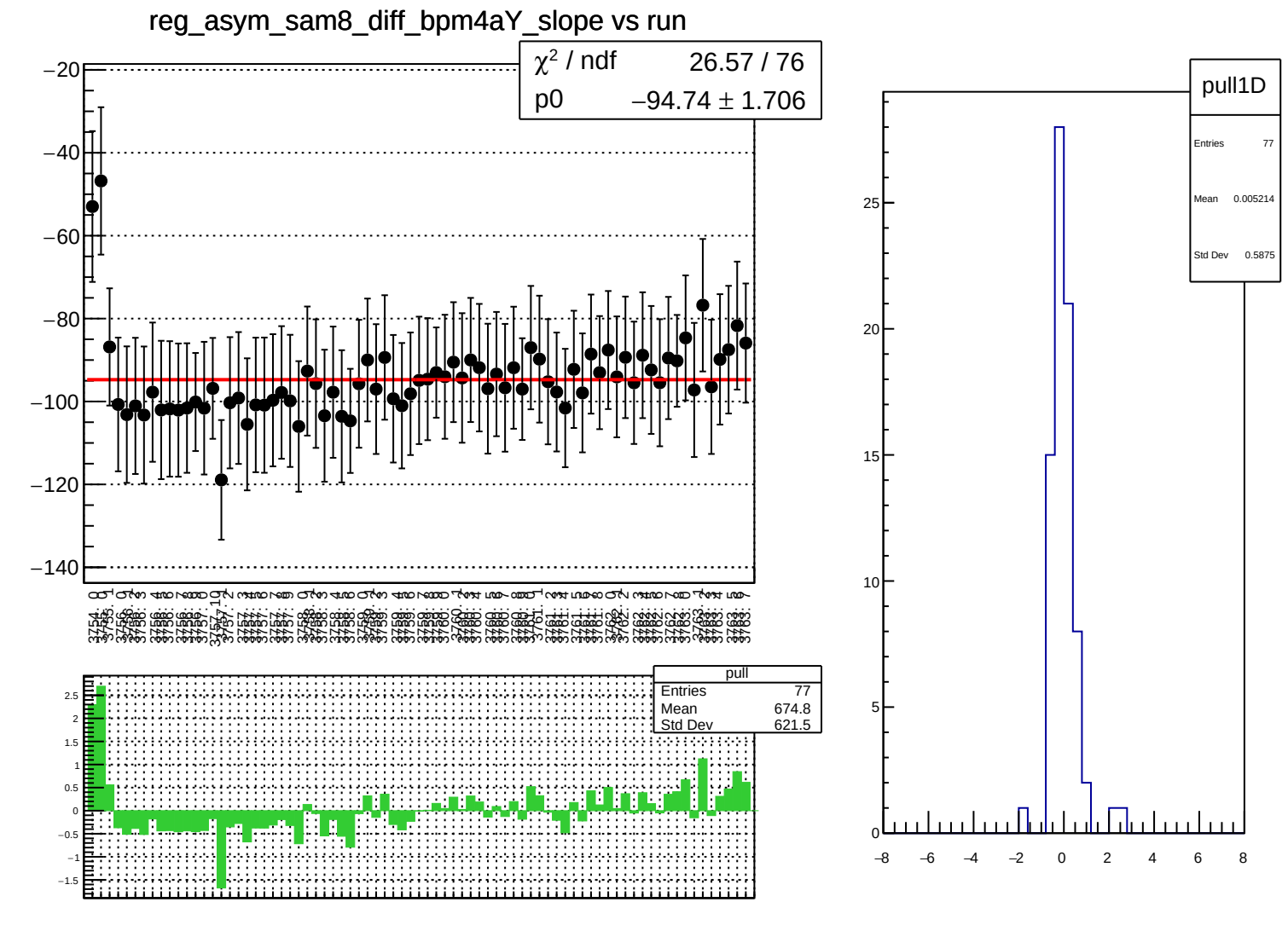

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 16.92 / 76
p0 159.4 ± 0.396
165
160
155
150
145
pull
Entries 77
Mean −185
Std Dev 201.7
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 77
Mean −0.01038
Std Dev 0.4687
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

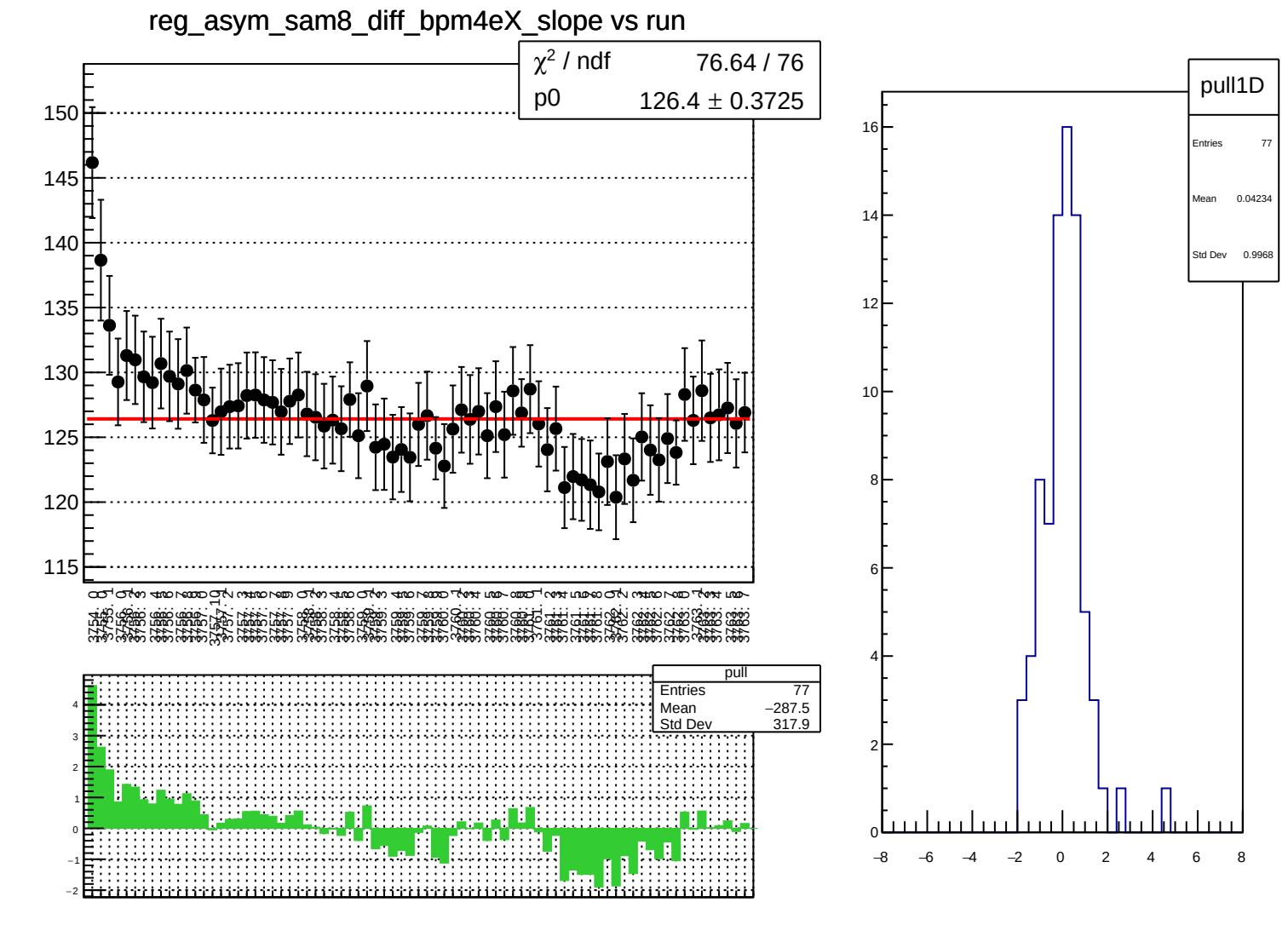

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 6.272 / 76
p0 −40.13 ± 2.823
pull
Entries 77
Mean 576.7
Std Dev 541.4
pull1D
Entries 77
Mean −0.003402
Std Dev 0.2854

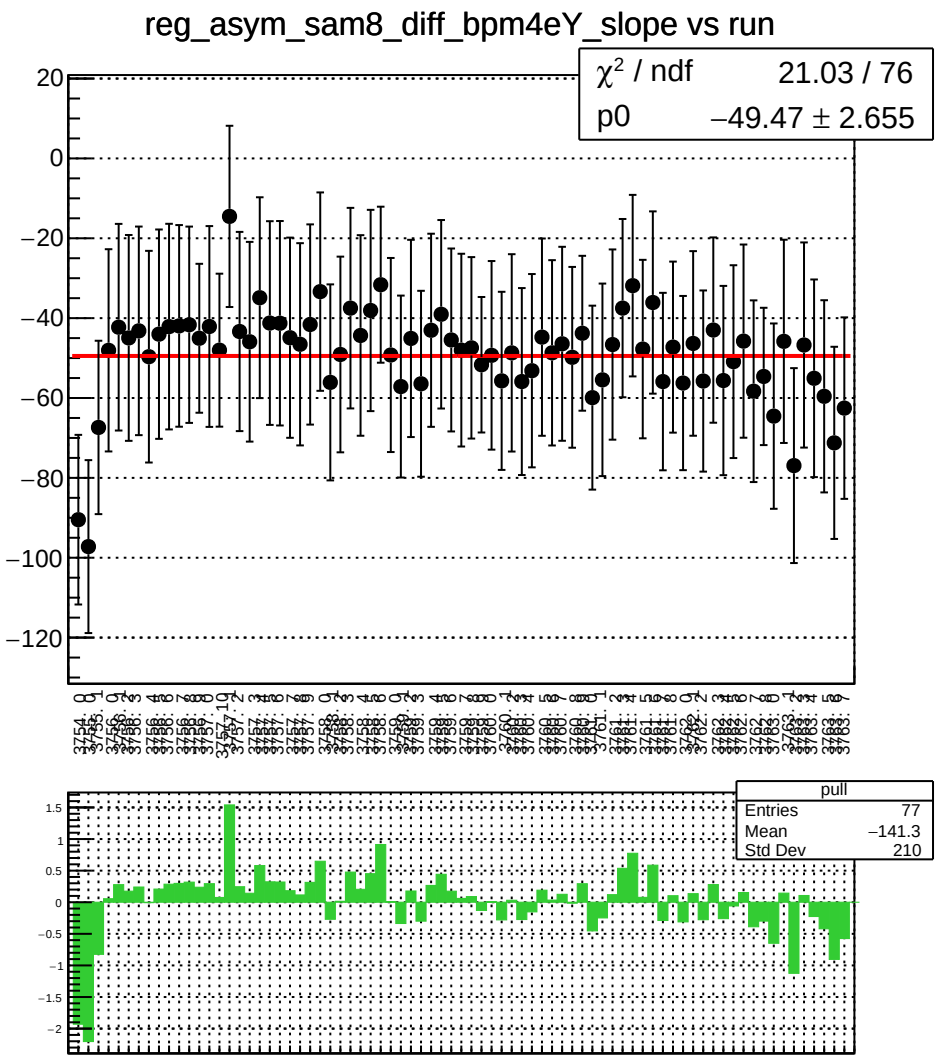

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 2.283 / 76
p0 −3.979 ± 0.6276
pull
Entries 77
Mean −1473
Std Dev 1515
pull1D
Entries 77
Mean 0.001094
Std Dev 0.1722

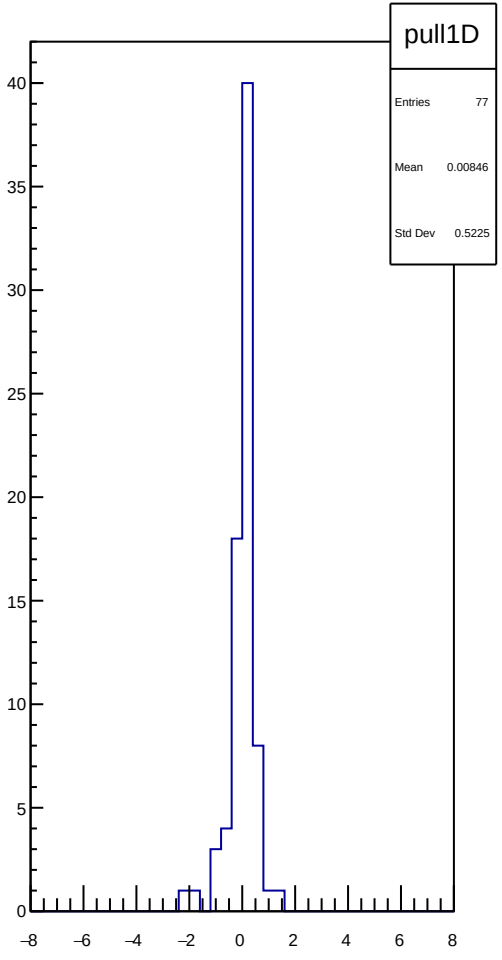

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 31.73 / 76
p0 11.87 ± 2.116
pull
Entries 77
Mean −378.7
Std Dev 405.6

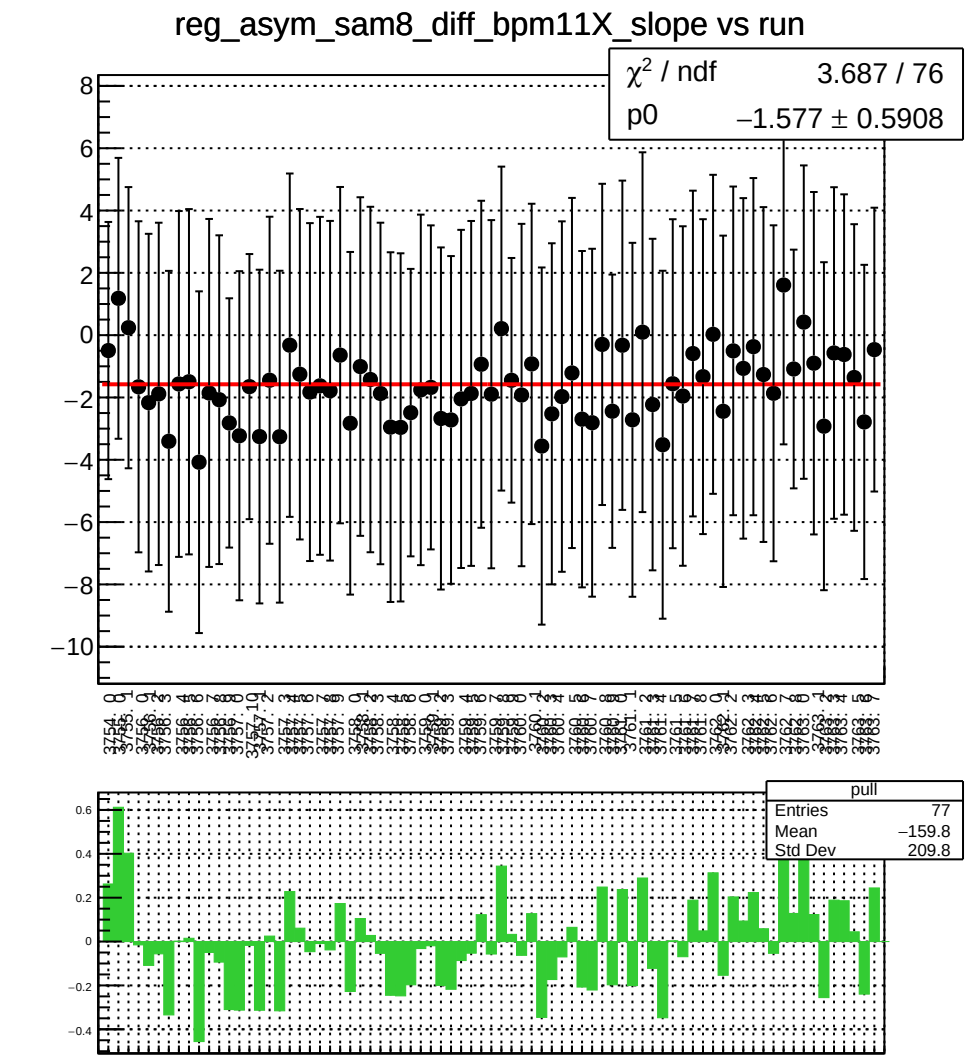

pull1D
Entries 77
Mean −0.007556
Std Dev 0.6419

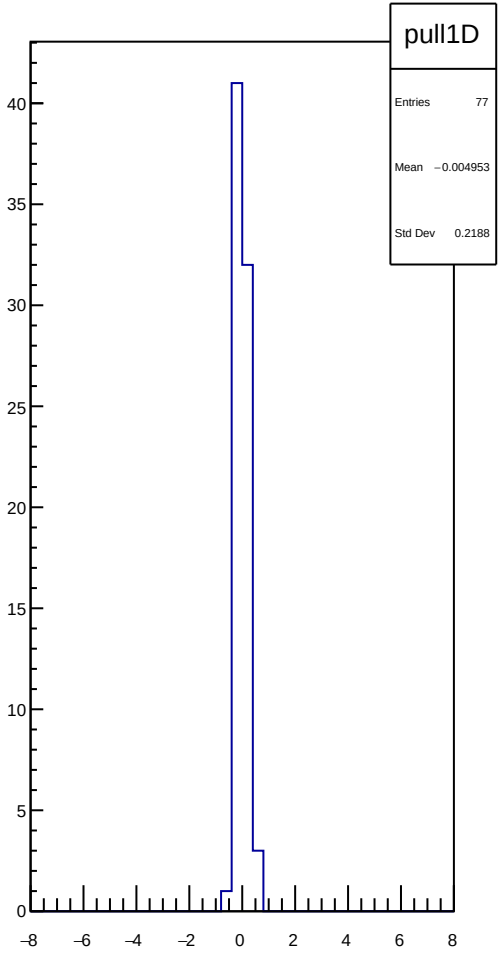

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 26.57 / 76
p0 −94.74 ± 1.706
pull
Entries 77
Mean 674.8
Std Dev 621.5
pull1D
Entries 77
Mean 0.005214
Std Dev 0.5875

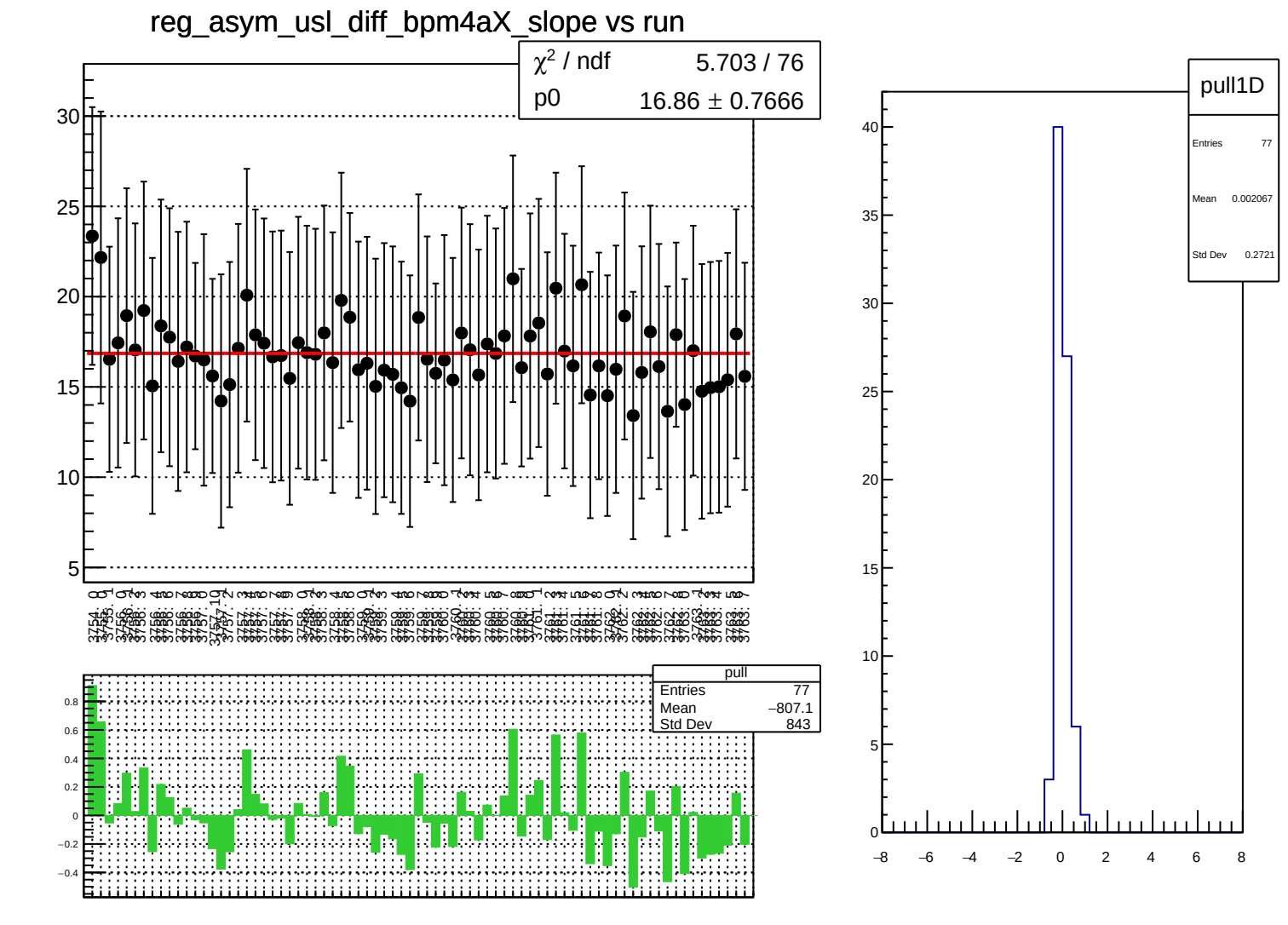

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 76.64 / 76
p0 126.4 ± 0.3725
pull
Entries 77
Mean −287.5
Std Dev 317.9
pull1D
Entries 77
Mean 0.04234
Std Dev 0.9968

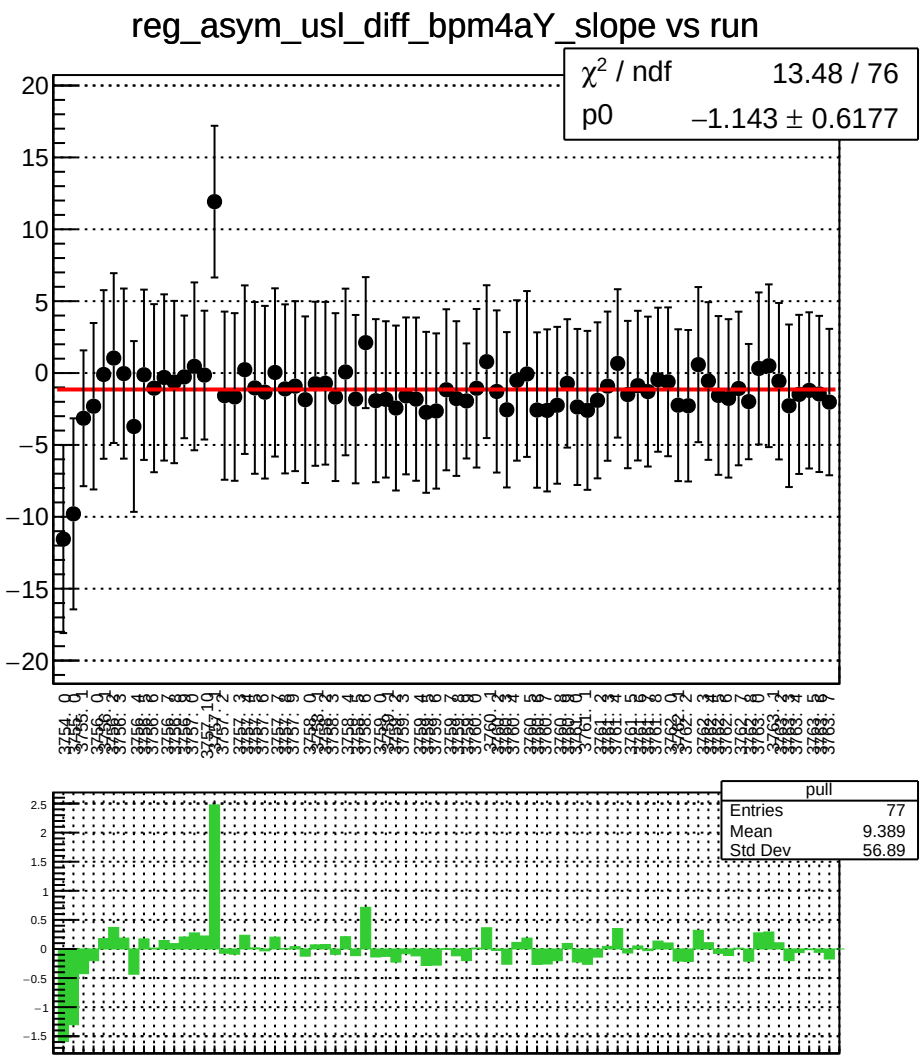

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 21.03 / 76
p0 −49.47 ± 2.655
pull
Entries 77
Mean −141.3
Std Dev 210

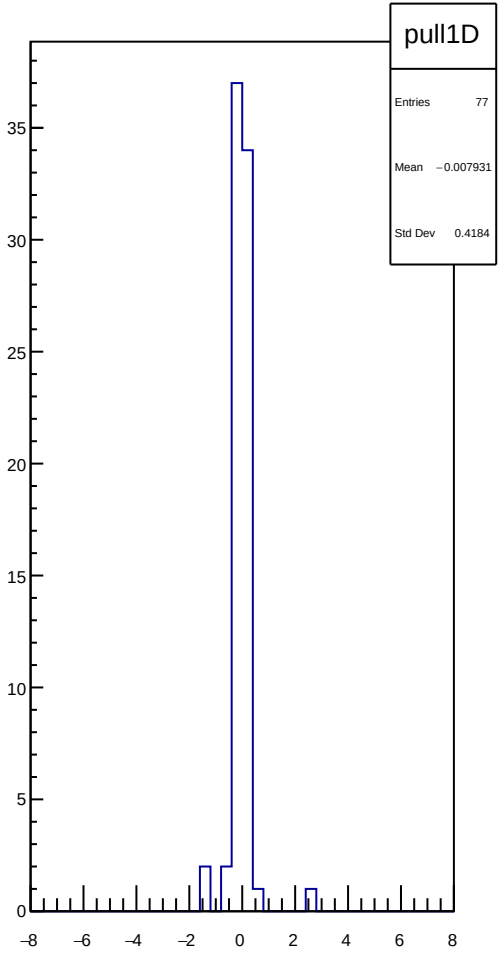

pull1D
Entries 77
Mean 0.00846
Std Dev 0.5225

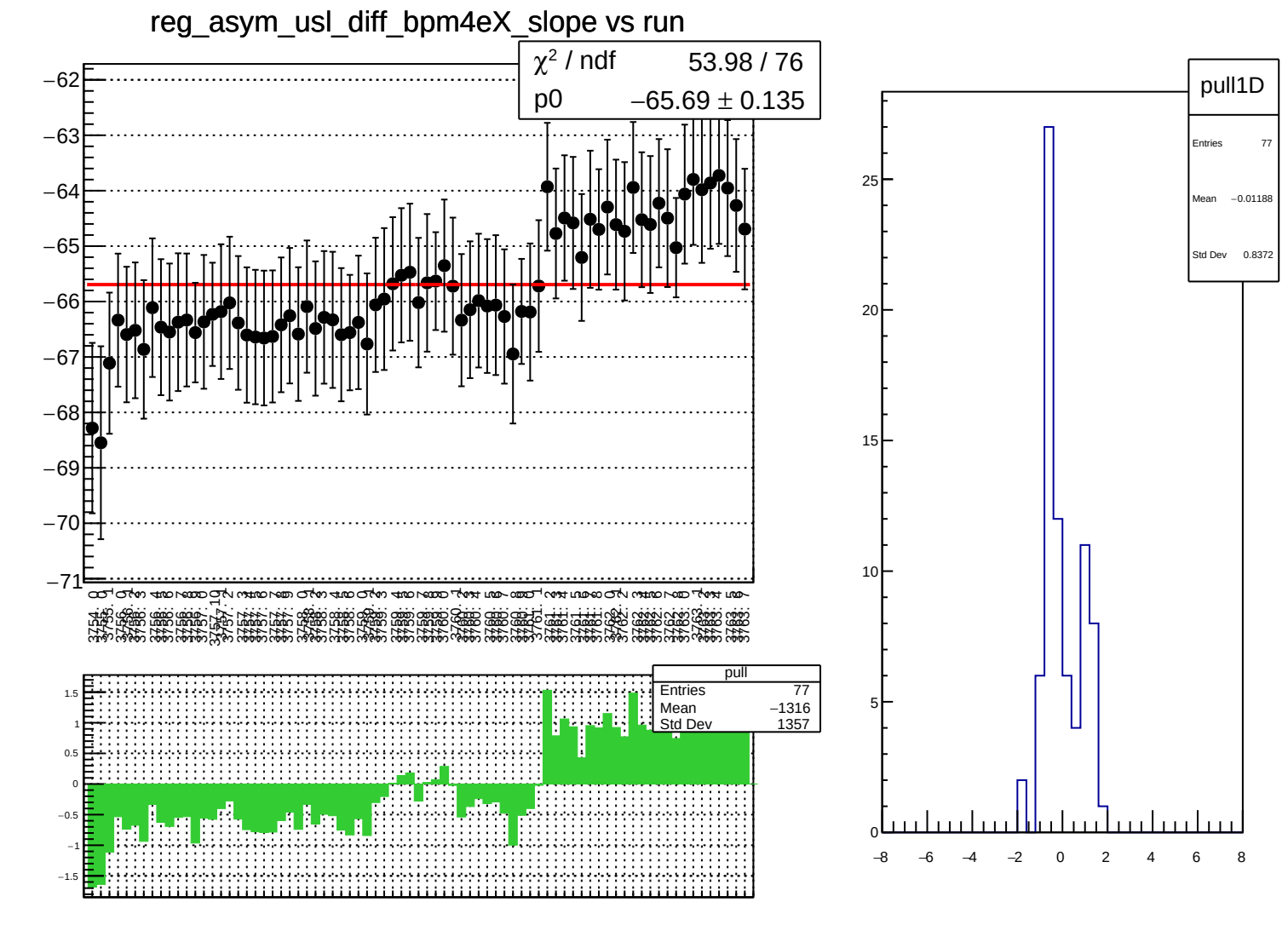

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 3.687 / 76
p0 −1.577 ± 0.5908
pull
Entries 77
Mean −159.8
Std Dev 209.8

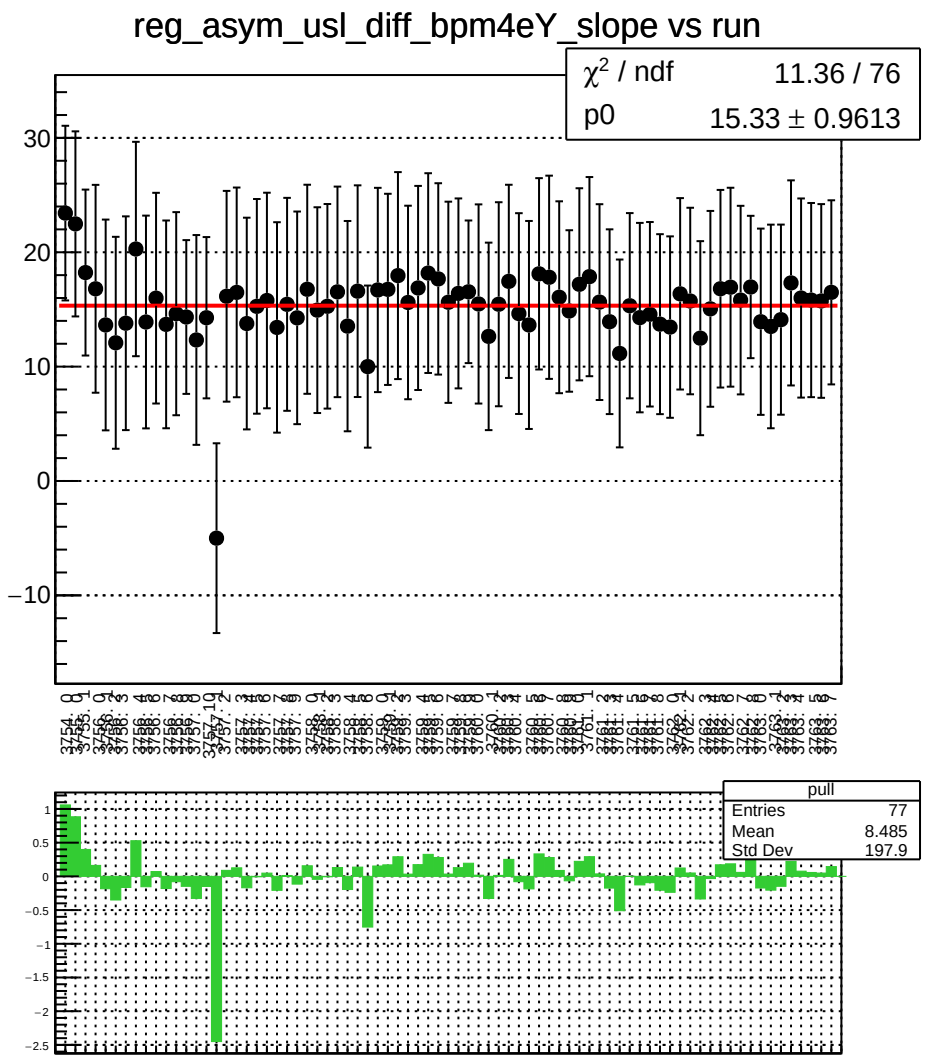

pull1D
Entries 77
Mean −0.004953
Std Dev 0.2188

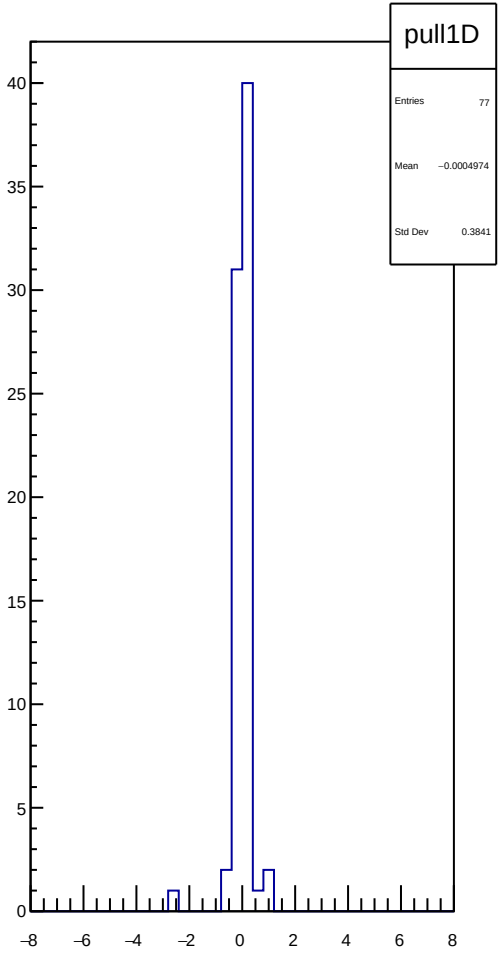

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 5.703 / 76
p0 16.86 ± 0.7666
pull
Entries 77
Mean −807.1
Std Dev 843
pull1D
Entries 77
Mean 0.002067
Std Dev 0.2721

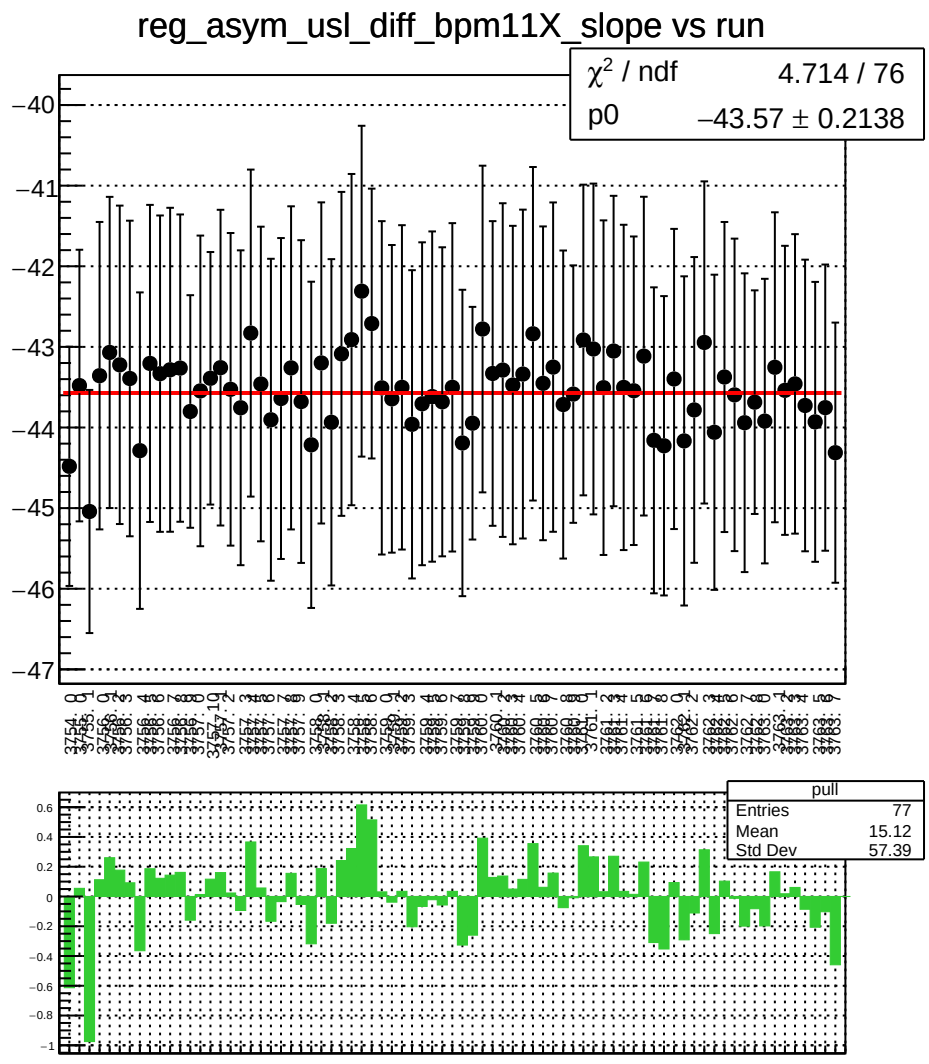

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 13.48 / 76
p0 −1.143 ± 0.6177
pull
Entries 77
Mean 9.389
Std Dev 56.89

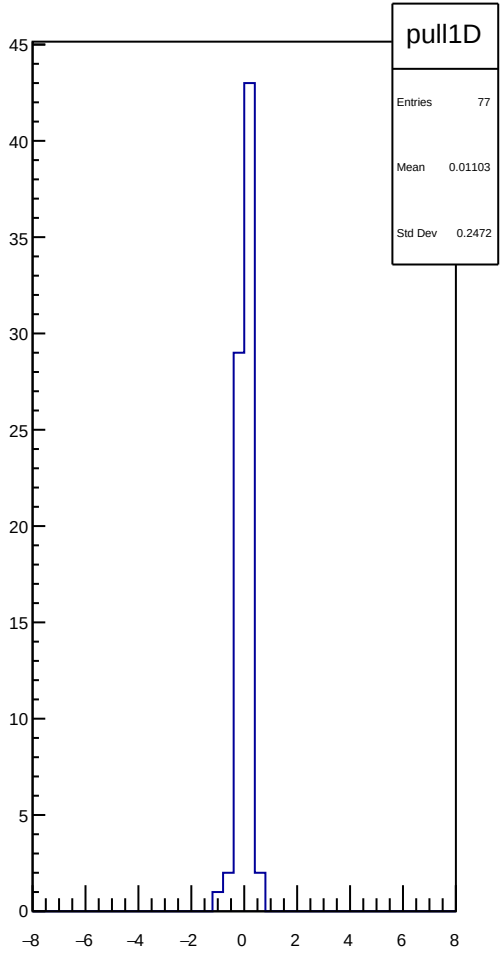

pull1D
Entries 77
Mean −0.007931
Std Dev 0.4184

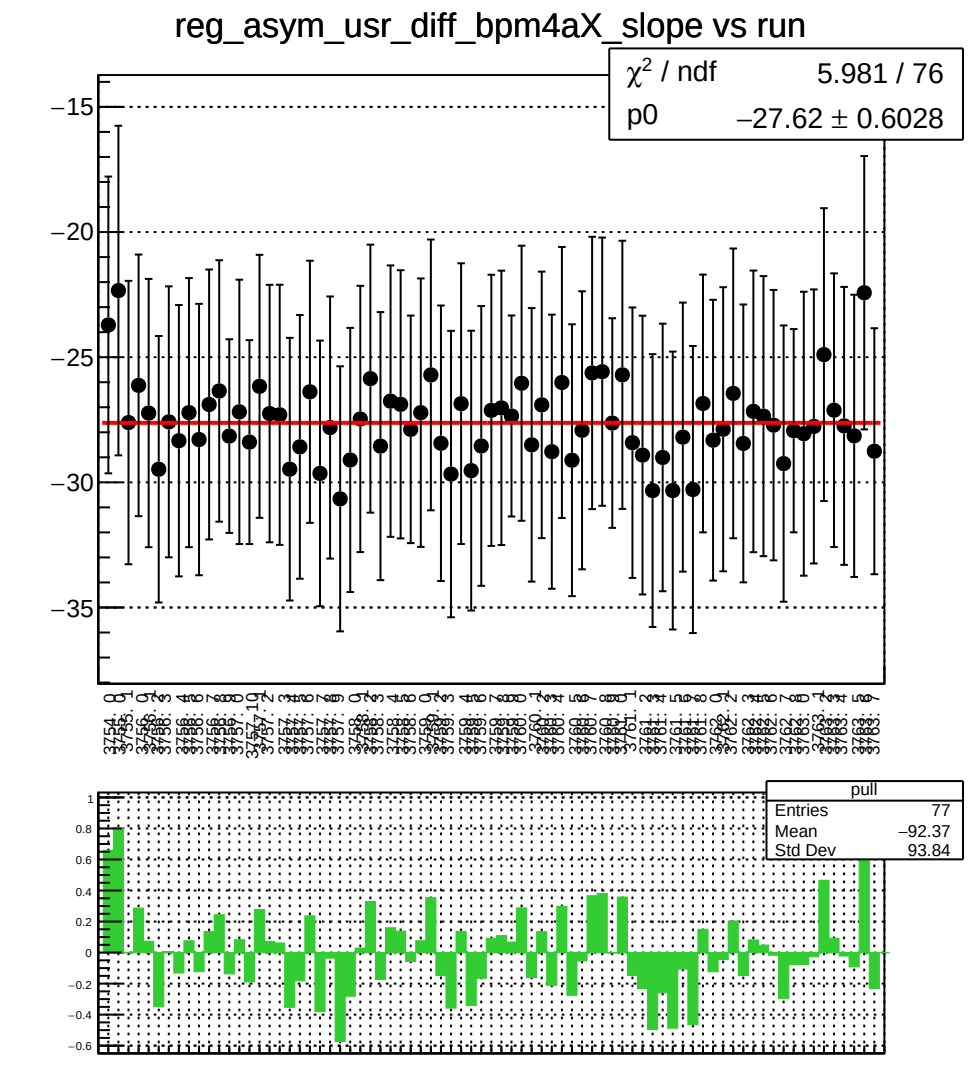

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 53.98 / 76
p0 −65.69 ± 0.135
pull
Entries 77
Mean −1316
Std Dev 1357
pull1D
Entries 77
Mean −0.01188
Std Dev 0.8372

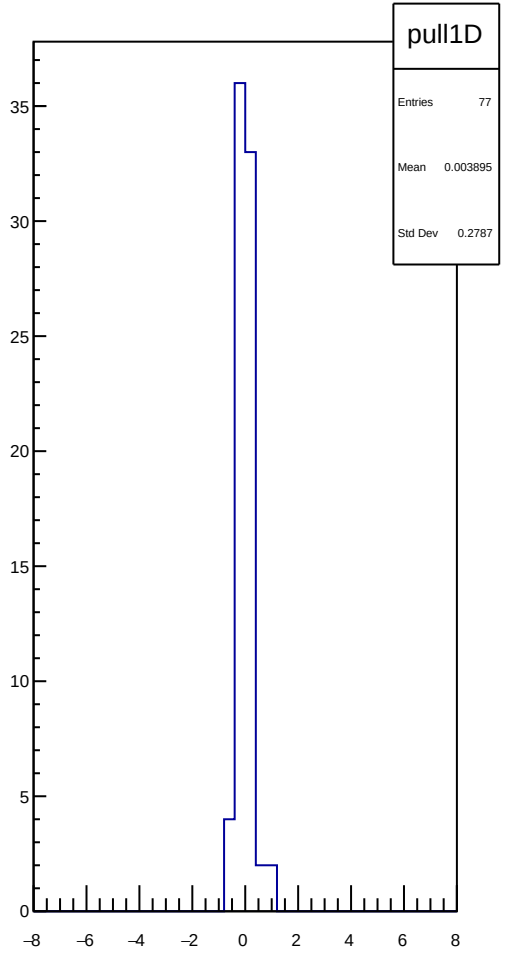

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 11.36 / 76
p0 15.33 ± 0.9613
pull
Entries 77
Mean 8.485
Std Dev 197.9

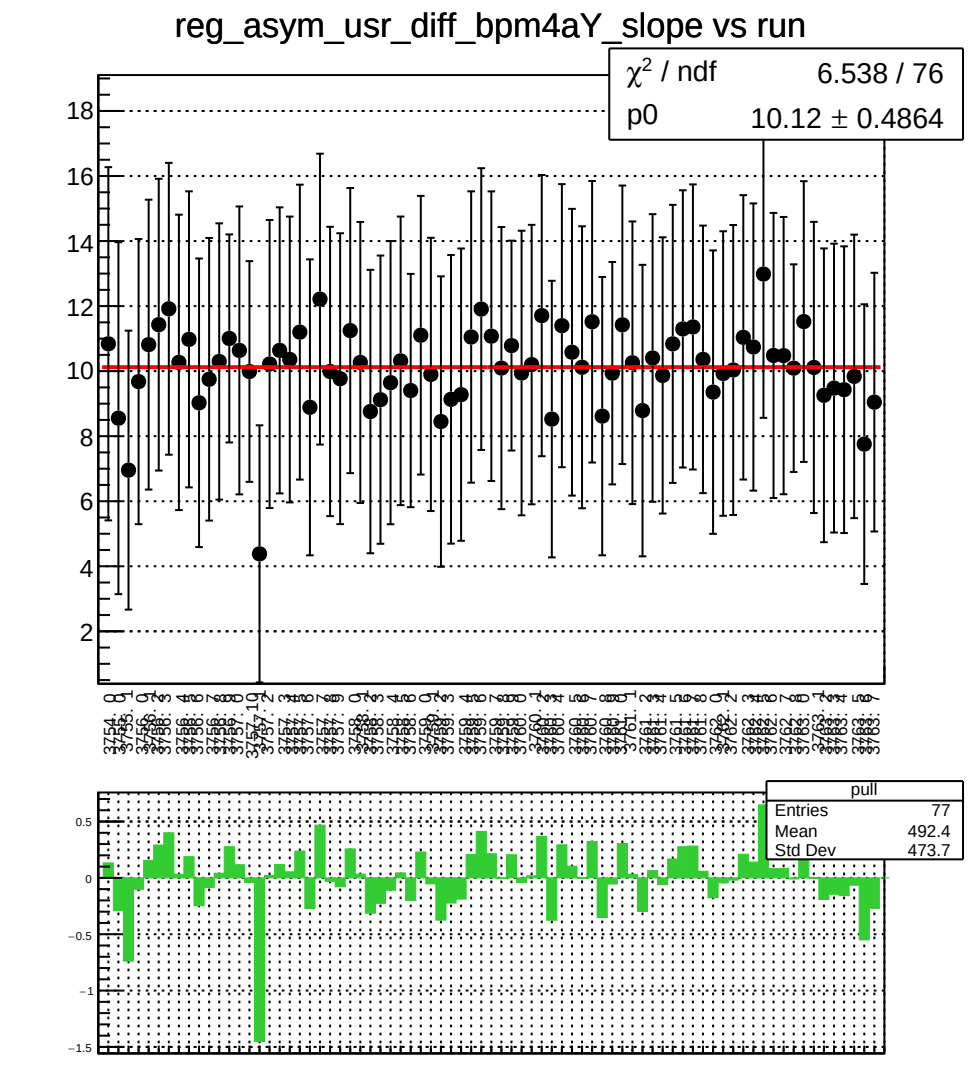

pull1D
Entries 77
Mean −0.0004974
Std Dev 0.3841

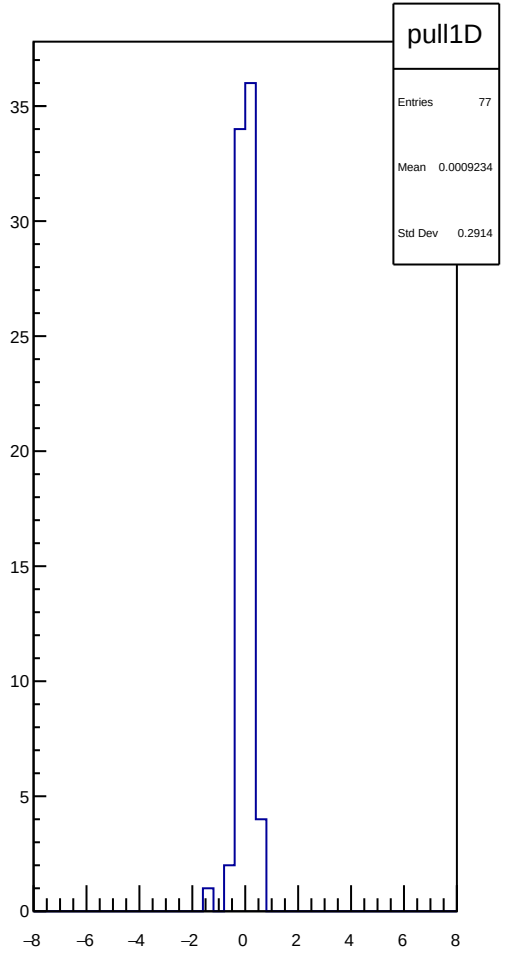

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 4.714 / 76
p0 −43.57 ± 0.2138
pull
Entries 77
Mean 15.12
Std Dev 57.39

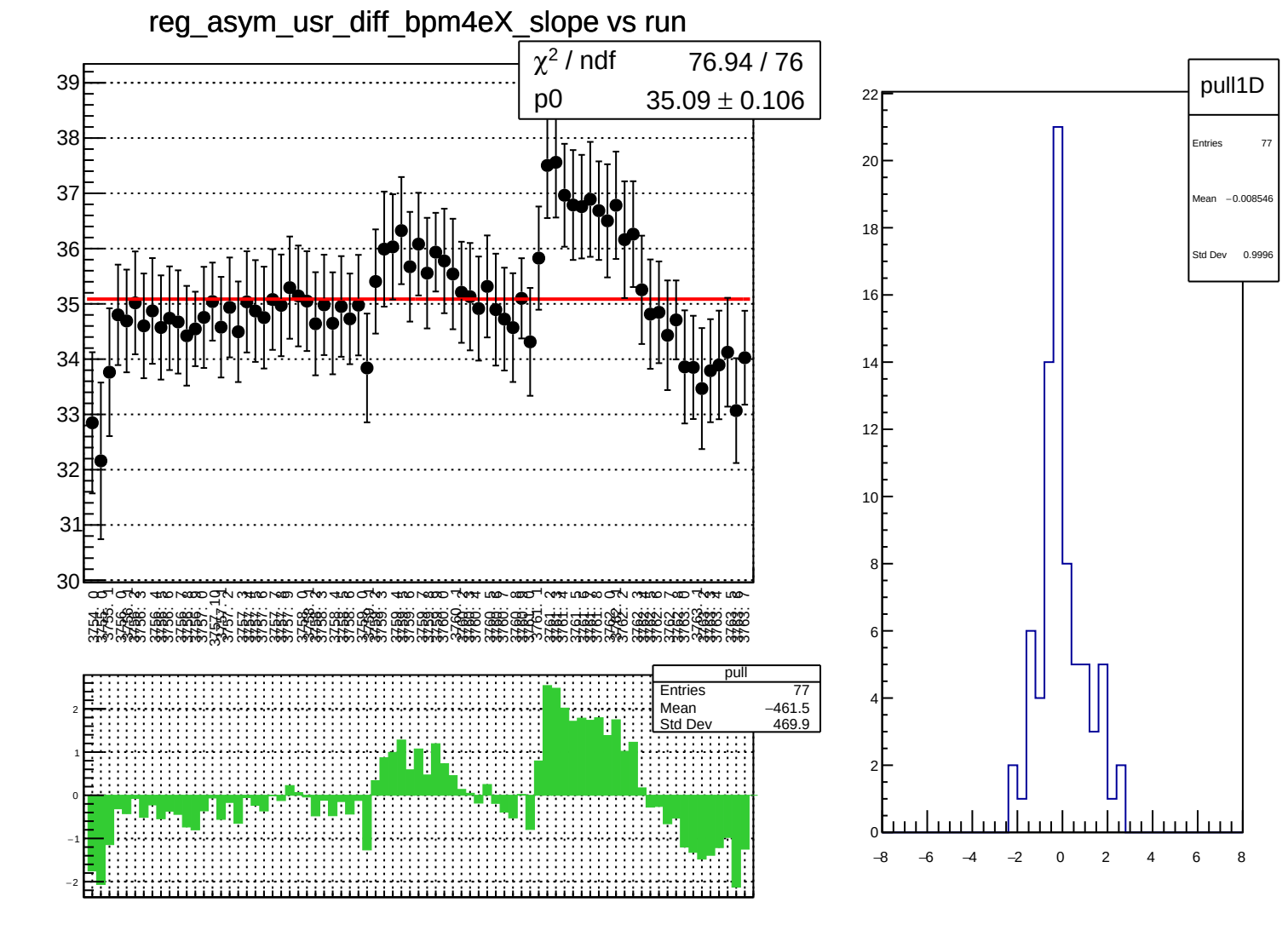

pull1D
Entries 77
Mean 0.01103
Std Dev 0.2472

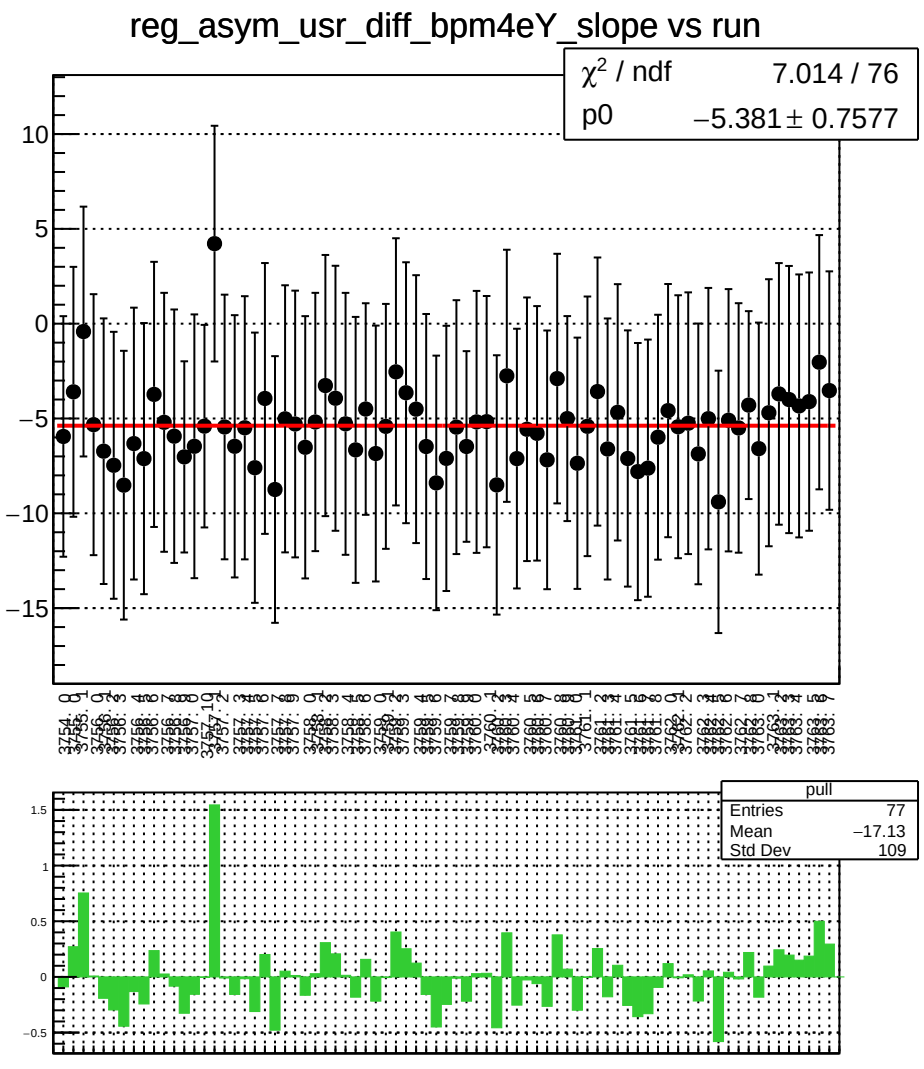

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 5.981 / 76
p0 −27.62 ± 0.6028
pull
Entries 77
Mean −92.37
Std Dev 93.84

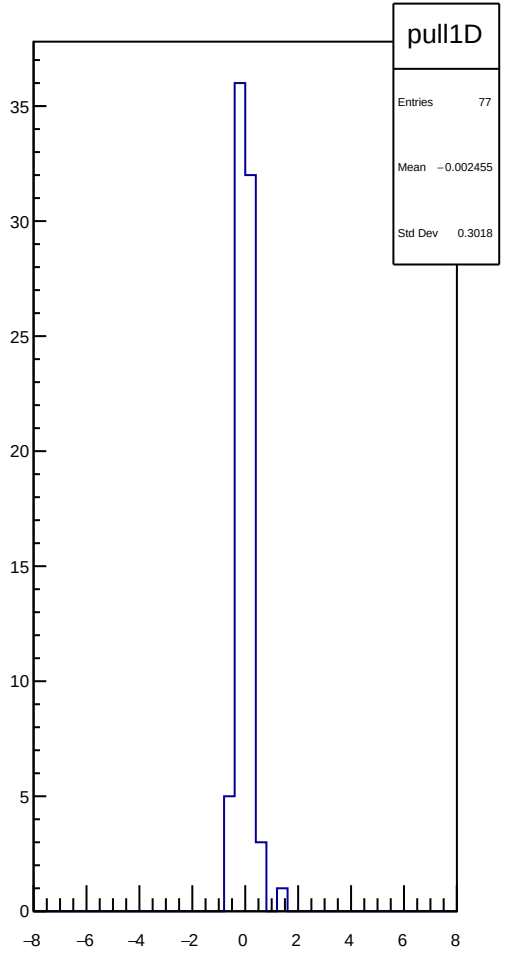

pull1D
Entries 77
Mean 0.003895
Std Dev 0.2787

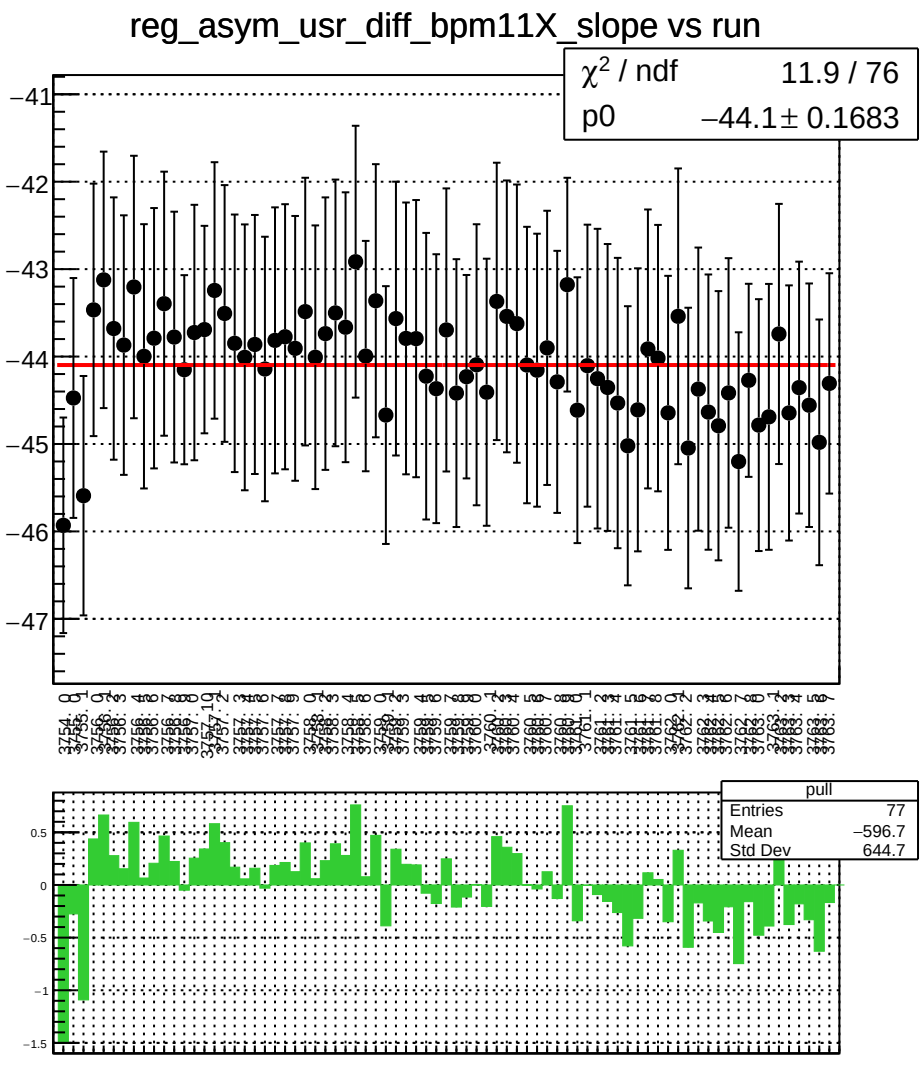

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 6.538 / 76
p0 10.12 ± 0.4864
pull
Entries 77
Mean 492.4
Std Dev 473.7

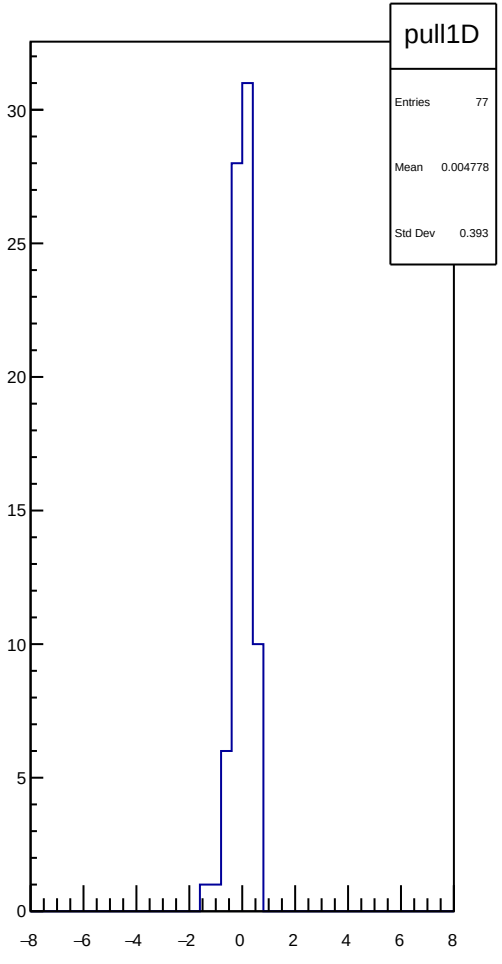

pull1D
Entries 77
Mean 0.0009234
Std Dev 0.2914

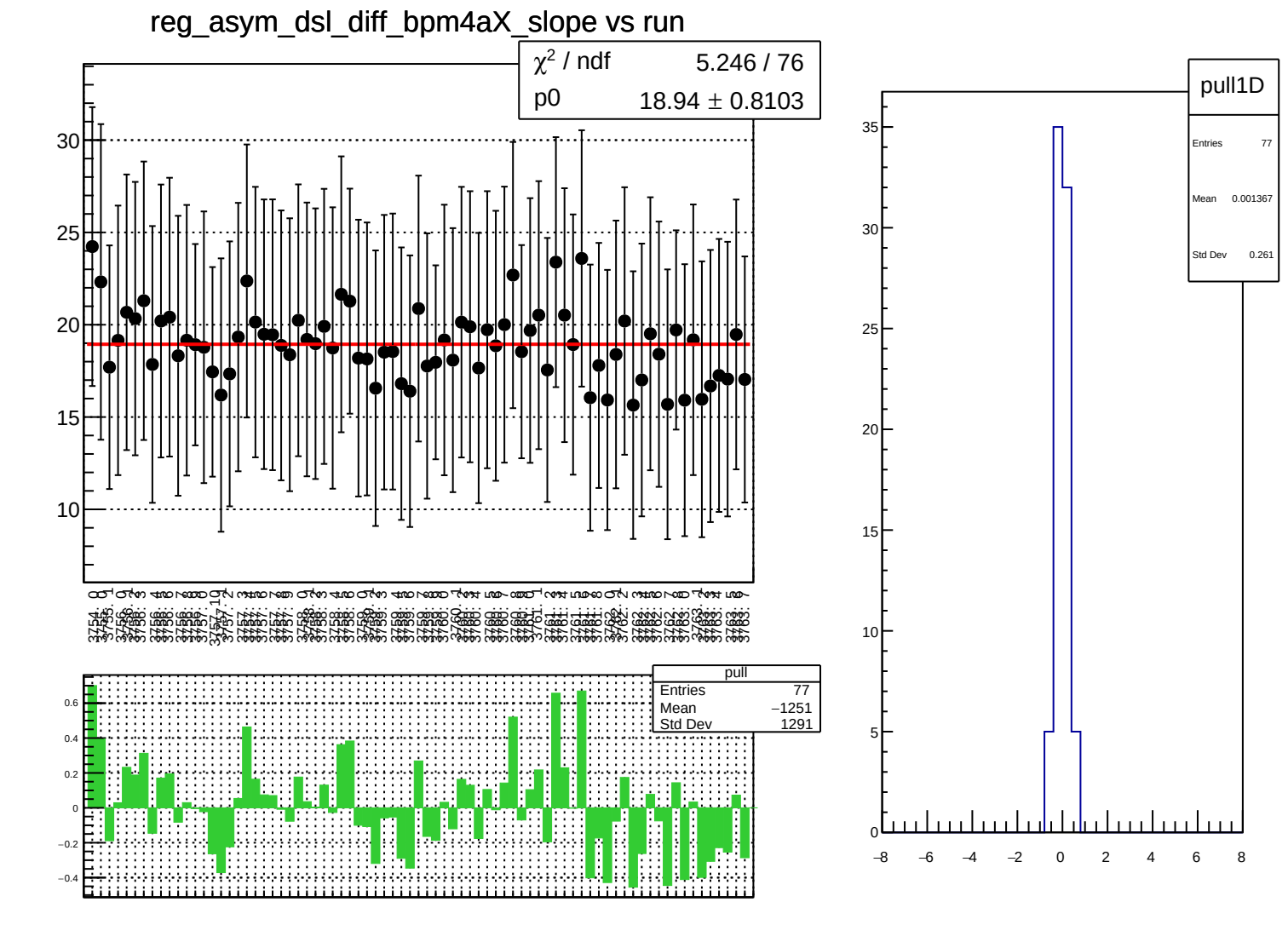

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 76.94 / 76
p0 35.09 ± 0.106
pull
Entries 77
Mean −461.5
Std Dev 469.9
pull1D
Entries 77
Mean −0.008546
Std Dev 0.9996

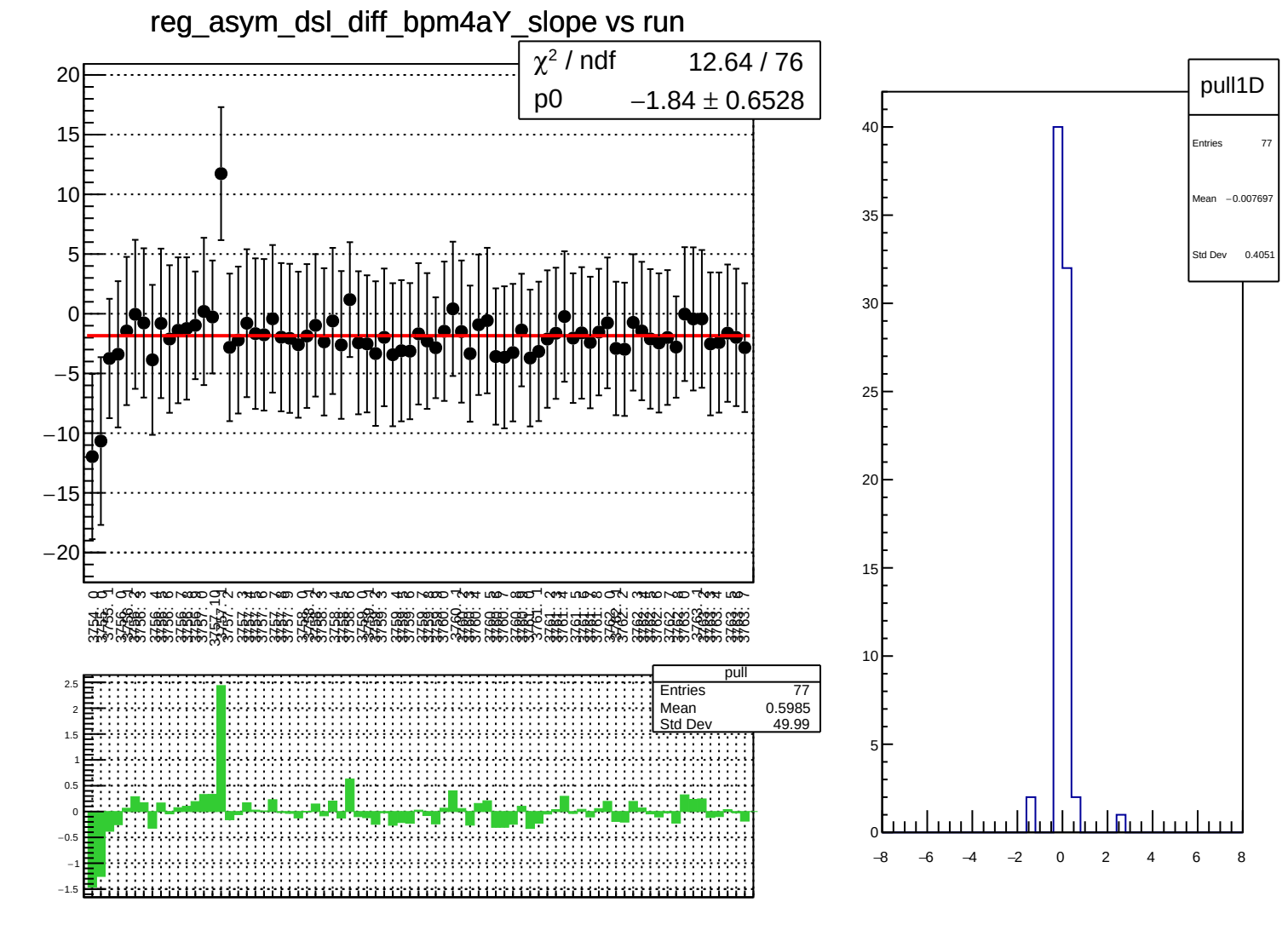

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 7.014 / 76
p0 −5.381 ± 0.7577
pull
Entries 77
Mean −17.13
Std Dev 109

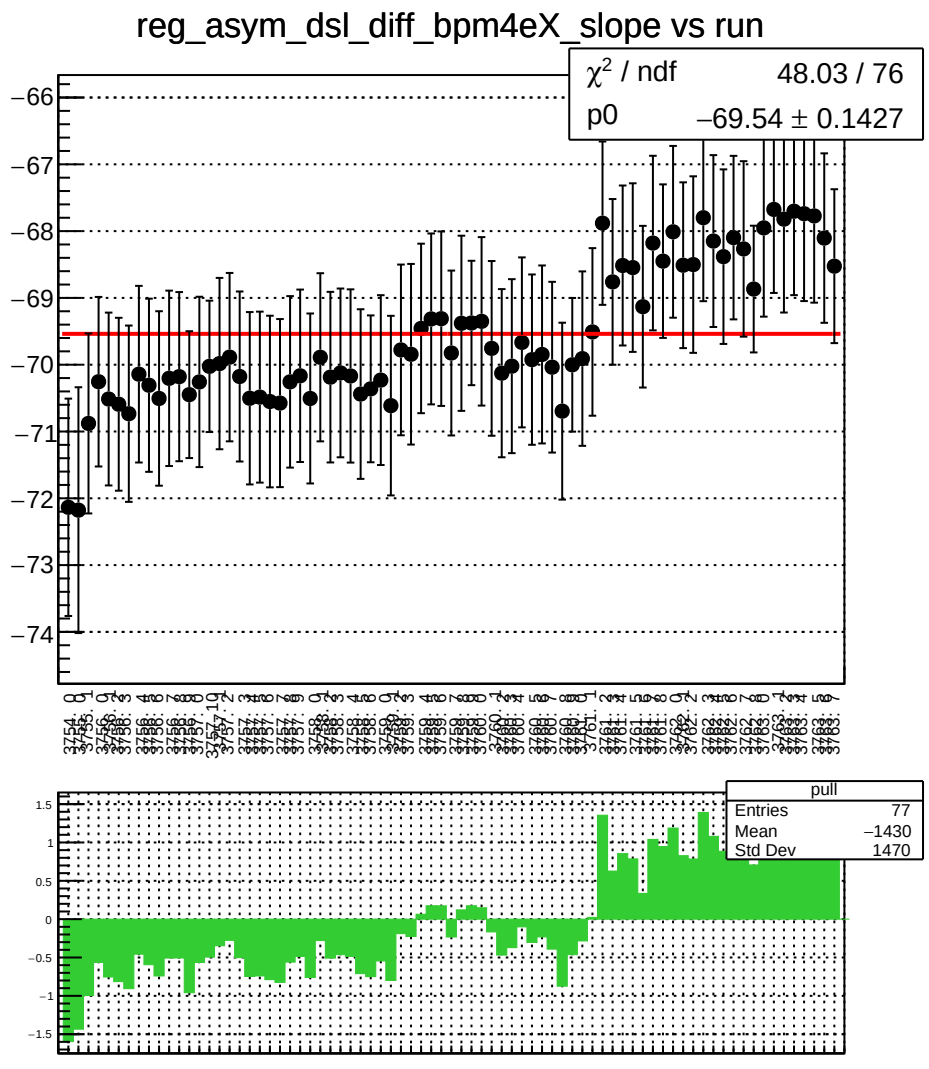

pull1D
Entries 77
Mean −0.002455
Std Dev 0.3018

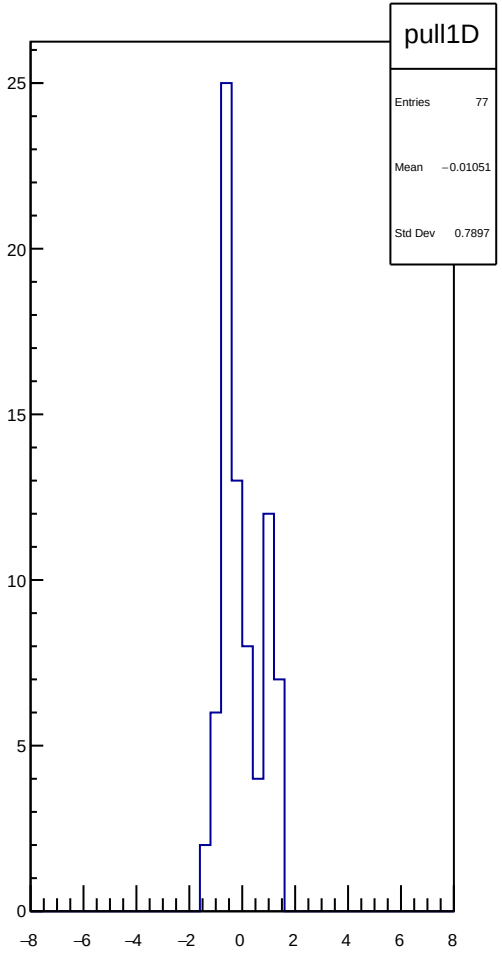

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 11.9 / 76
p0 −44.1 ± 0.1683
pull
Entries 77
Mean −596.7
Std Dev 644.7

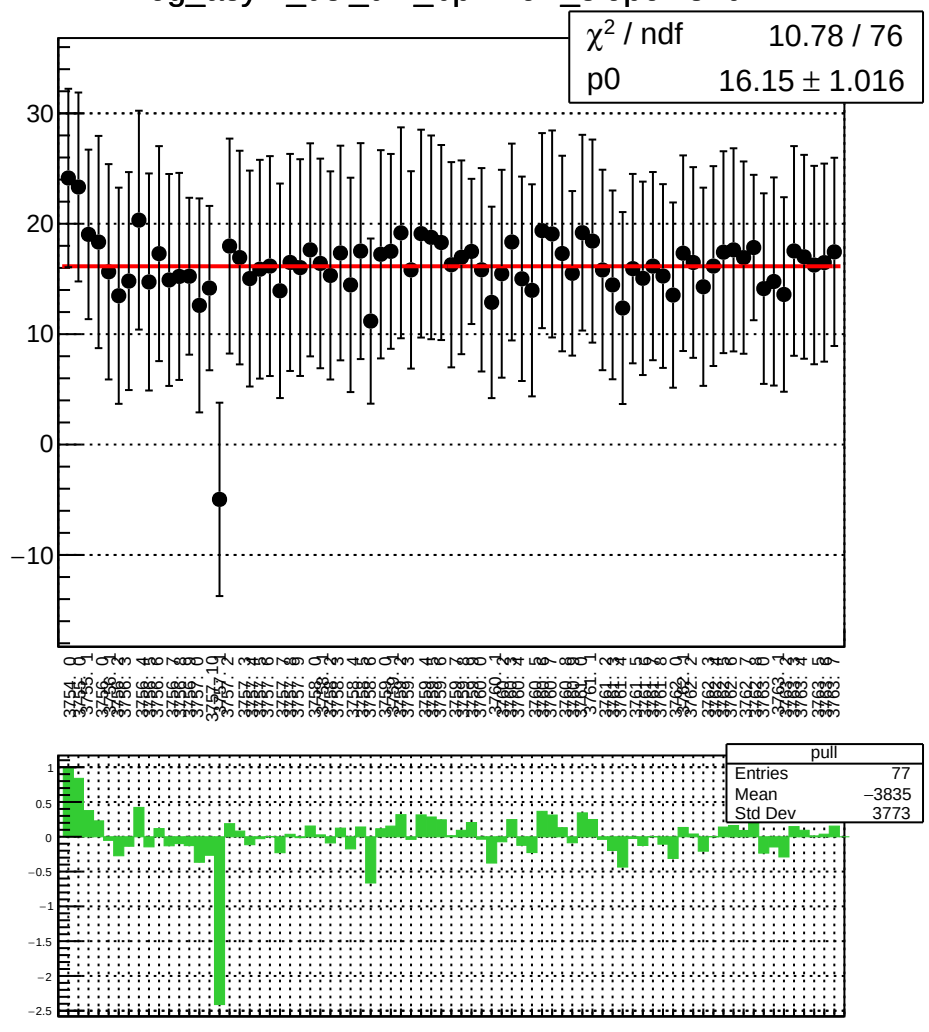

pull1D
Entries 77
Mean 0.004778
Std Dev 0.393

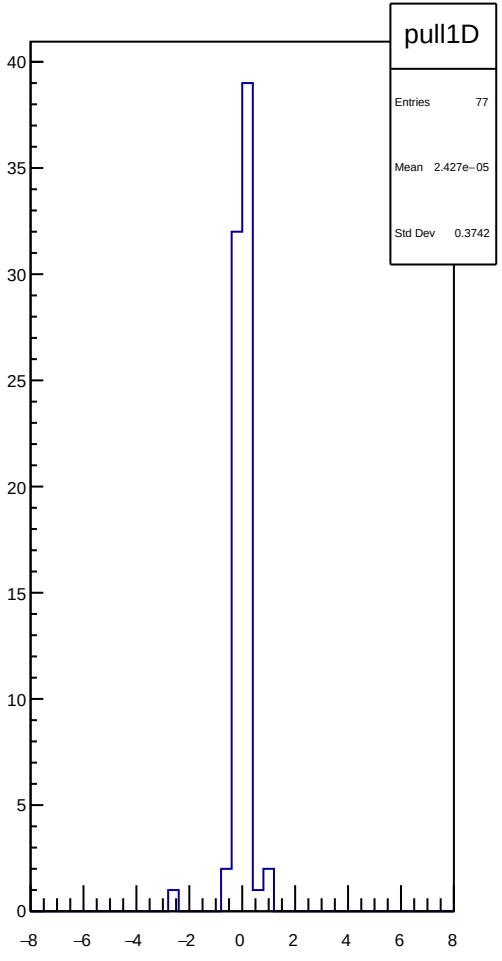

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 5.246 / 76
p0 18.94 ± 0.8103
pull
Entries 77
Mean −1251
Std Dev 1291
pull1D
Entries 77
Mean 0.001367
Std Dev 0.261

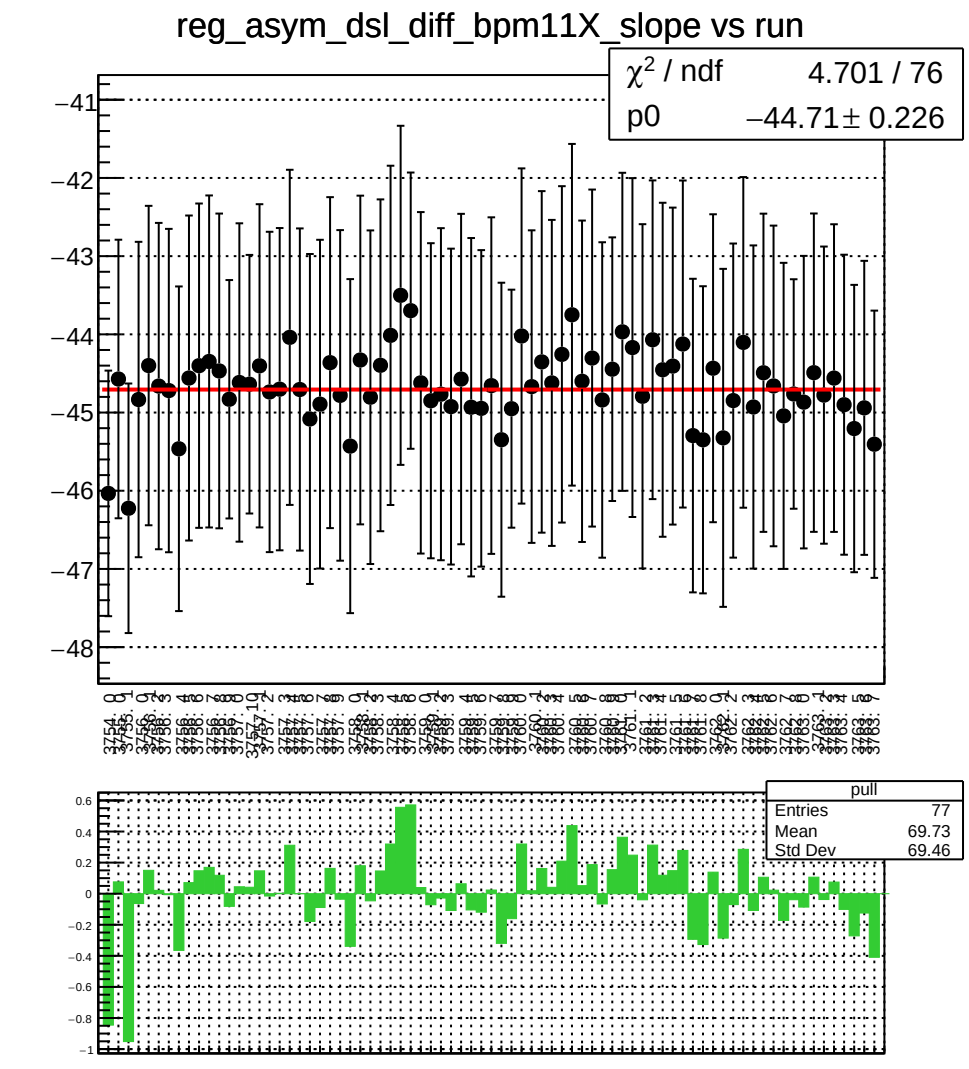

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 12.64 / 76
p0 −1.84 ± 0.6528
pull
Entries 77
Mean 0.5985
Std Dev 49.99
pull1D
Entries 77
Mean −0.007697
Std Dev 0.4051

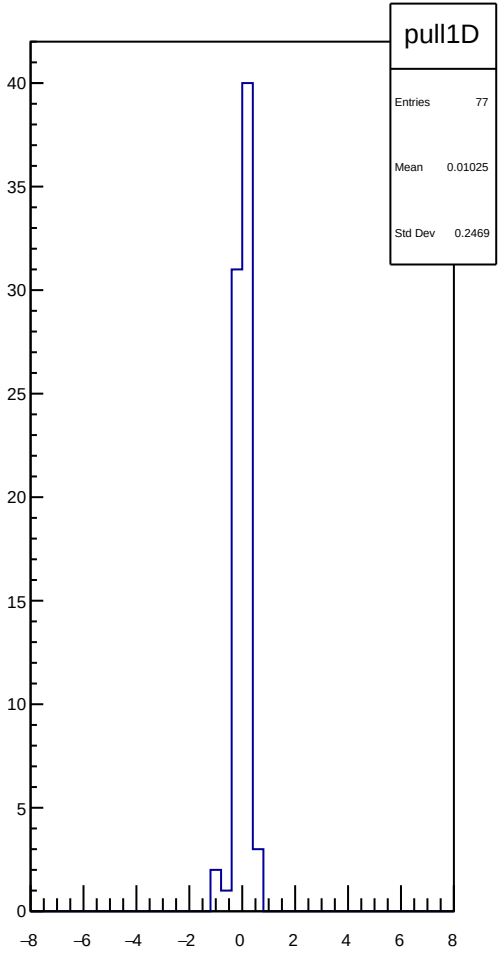

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 48.03 / 76
p0 −69.54 ± 0.1427
pull
Entries 77
Mean −1430
Std Dev 1470

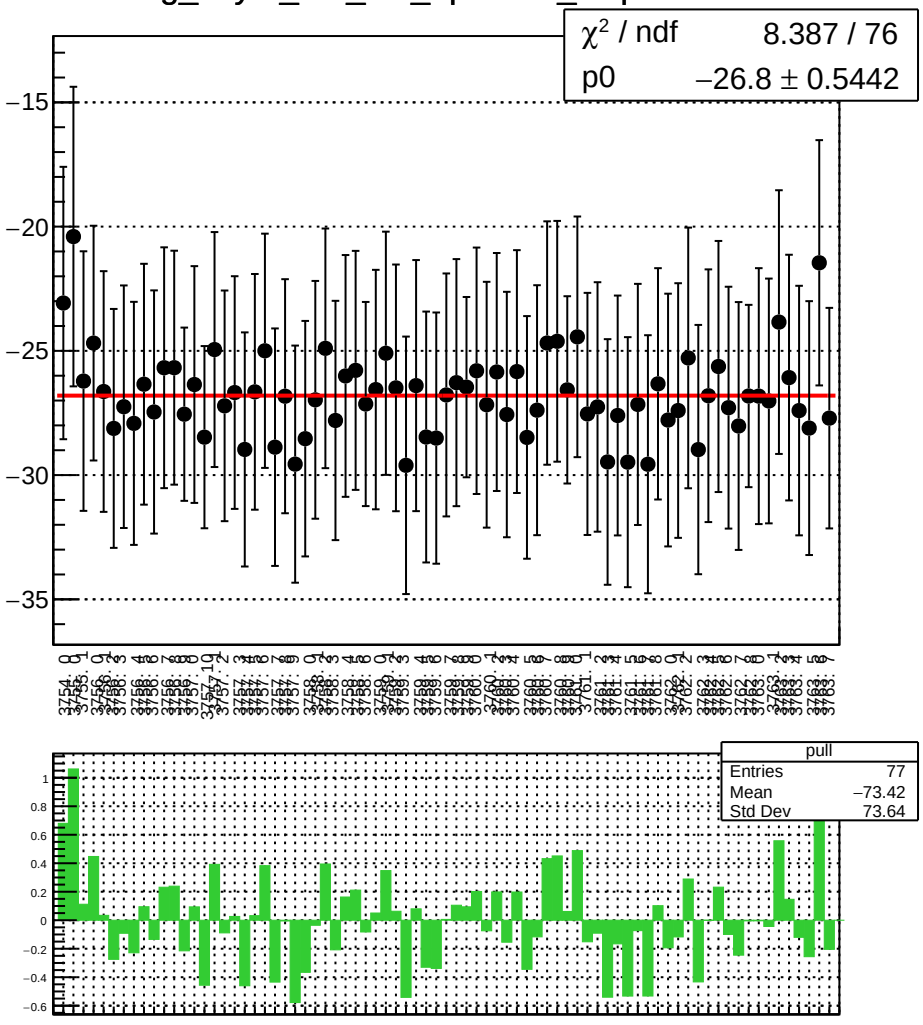

pull1D
Entries 77
Mean −0.01051
Std Dev 0.7897

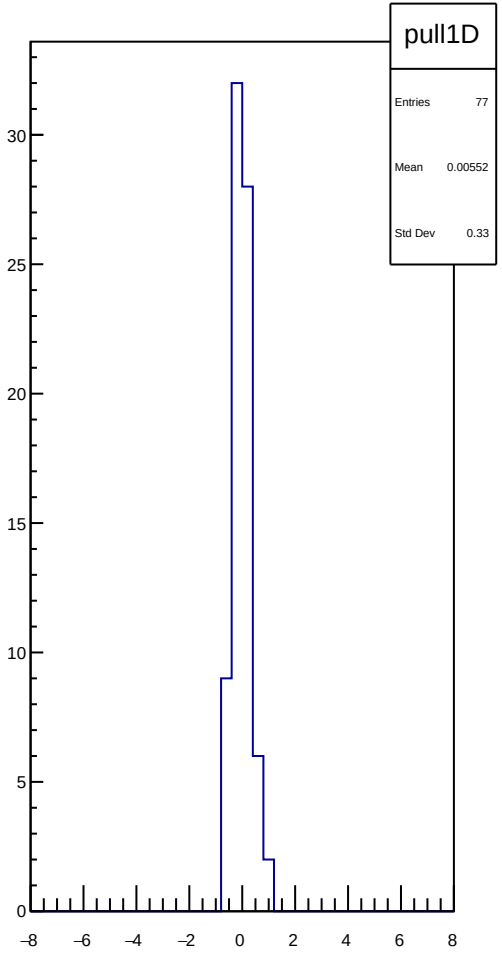

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 10.78 / 76
p0 16.15 ± 1.016
pull
Entries 77
Mean −3835
Std Dev 3773

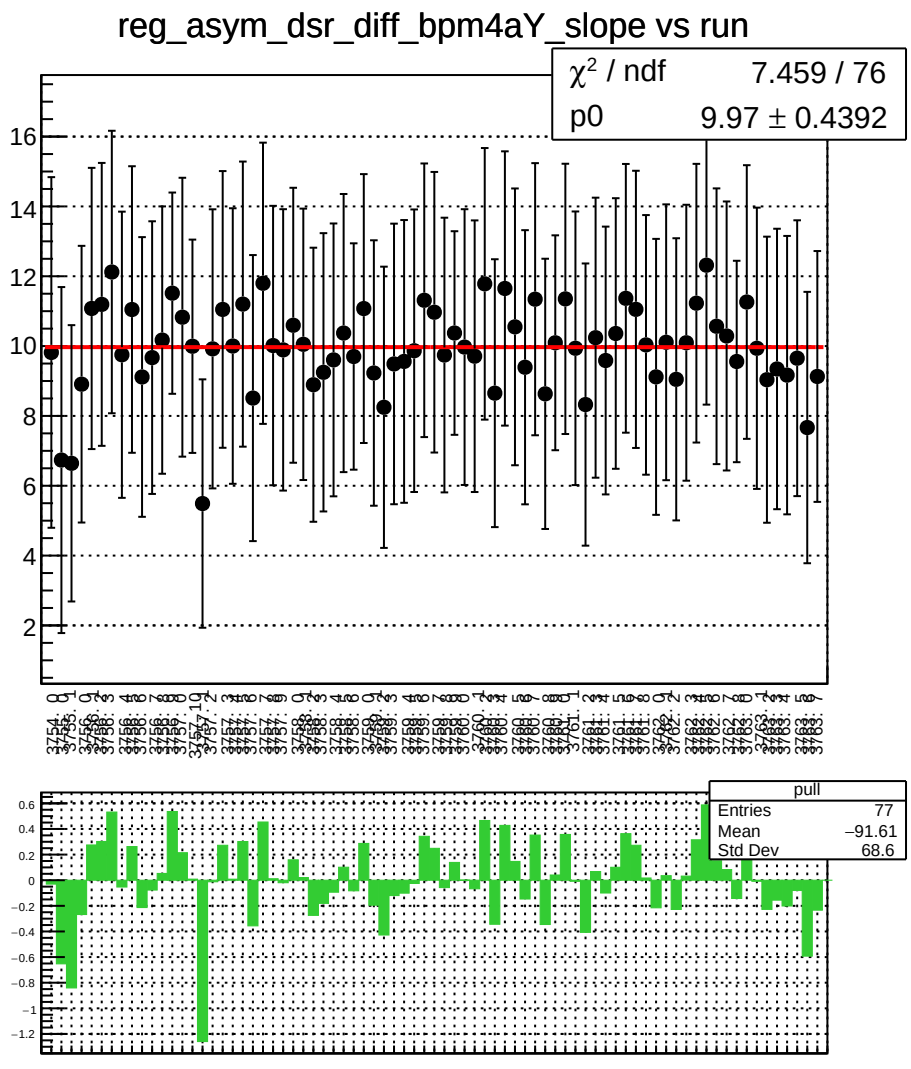

pull1D
Entries 77
Mean 2.427e−05
Std Dev 0.3742

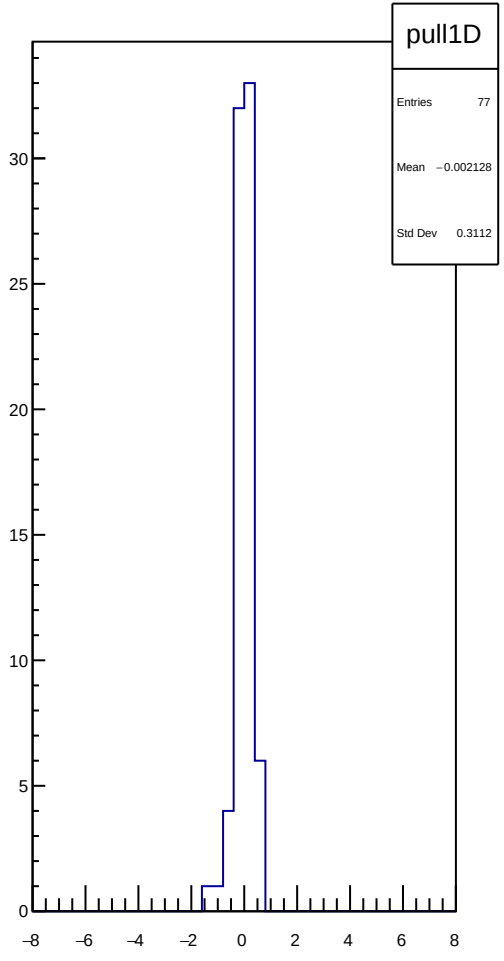

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 4.701 / 76
p0 −44.71 ± 0.226
pull
Entries 77
Mean 69.73
Std Dev 69.46

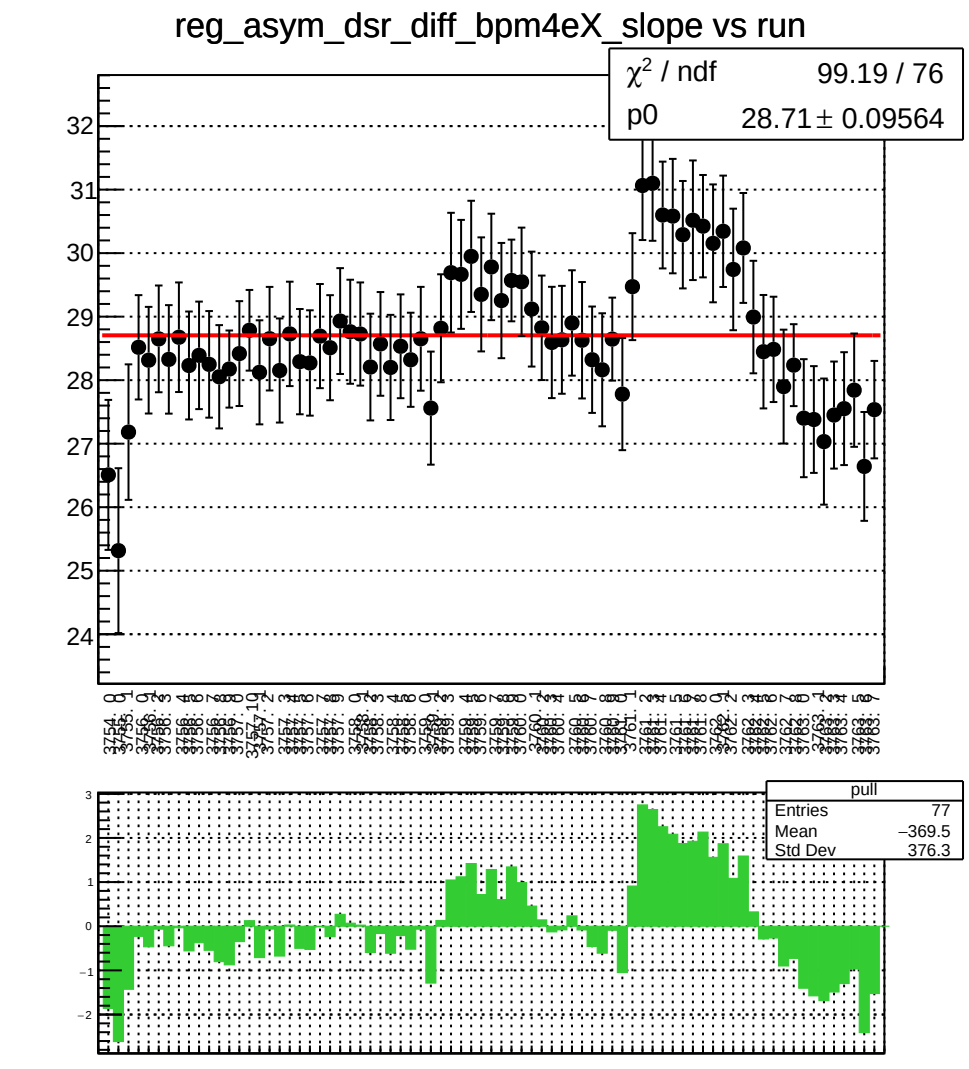

pull1D
Entries 77
Mean 0.01025
Std Dev 0.2469

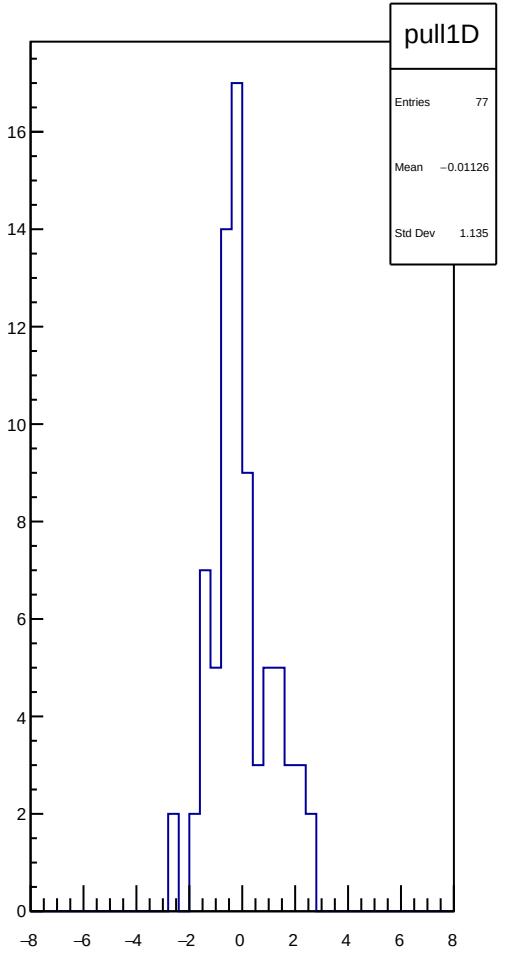

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 8.387 / 76
p0 −26.8 ± 0.5442
pull
Entries 77
Mean −73.42
Std Dev 73.64

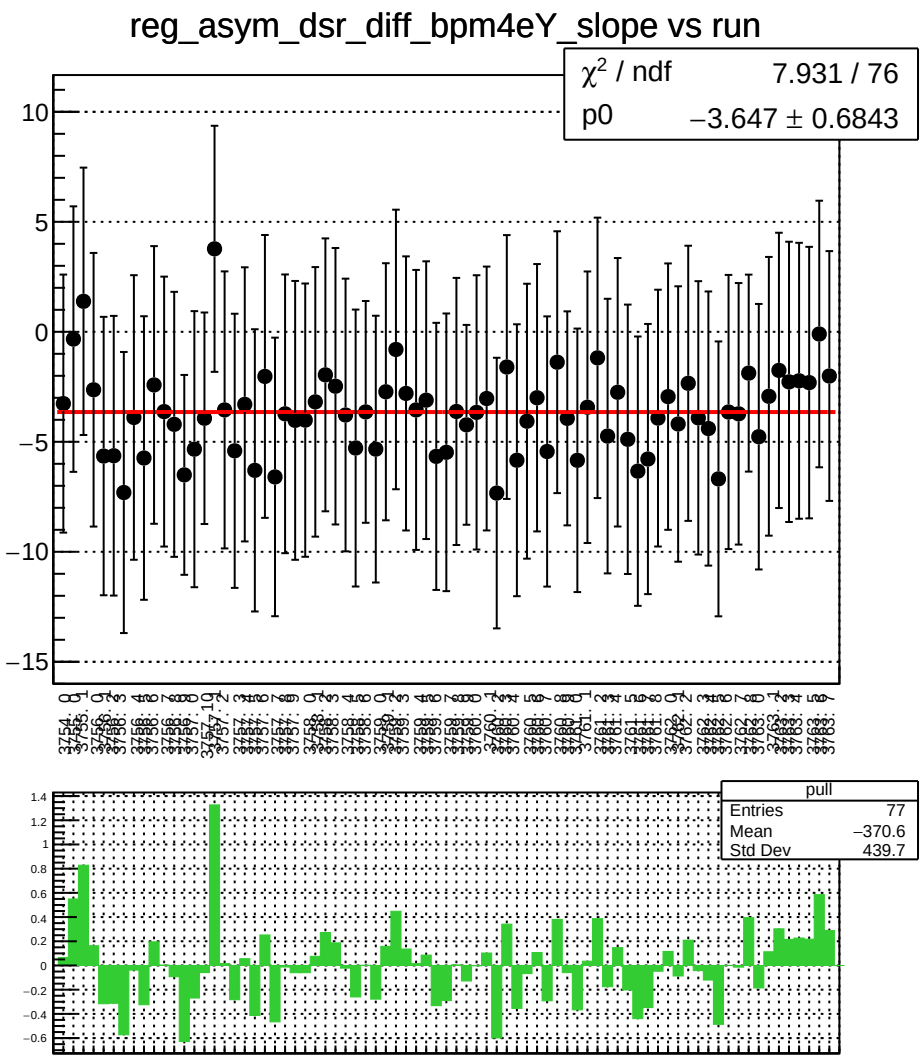

pull1D
Entries 77
Mean 0.00552
Std Dev 0.33

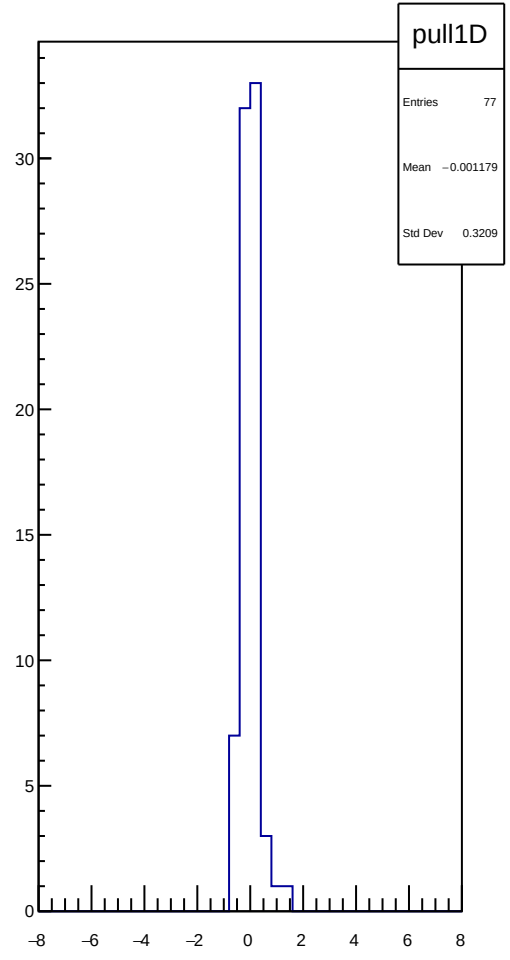

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 7.459 / 76
p0 9.97 ± 0.4392
pull
Entries 77
Mean −91.61
Std Dev 68.6

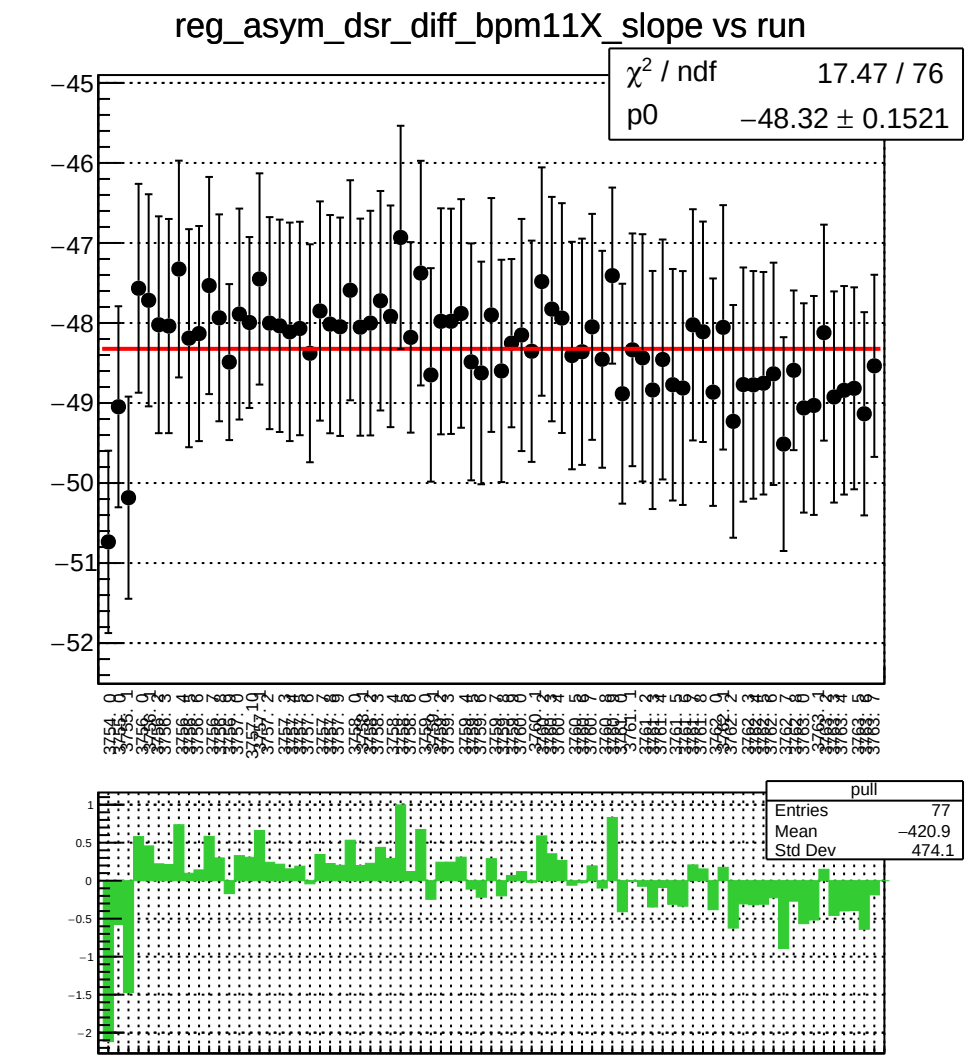

pull1D
Entries 77
Mean −0.002128
Std Dev 0.3112

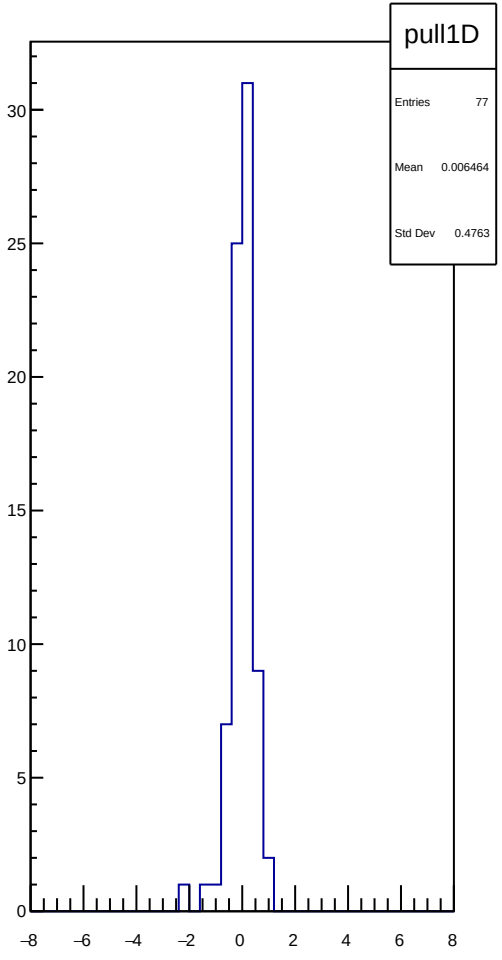

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 99.19 / 76
p0 28.71 ± 0.09564
pull
Entries 77
Mean −369.5
Std Dev 376.3

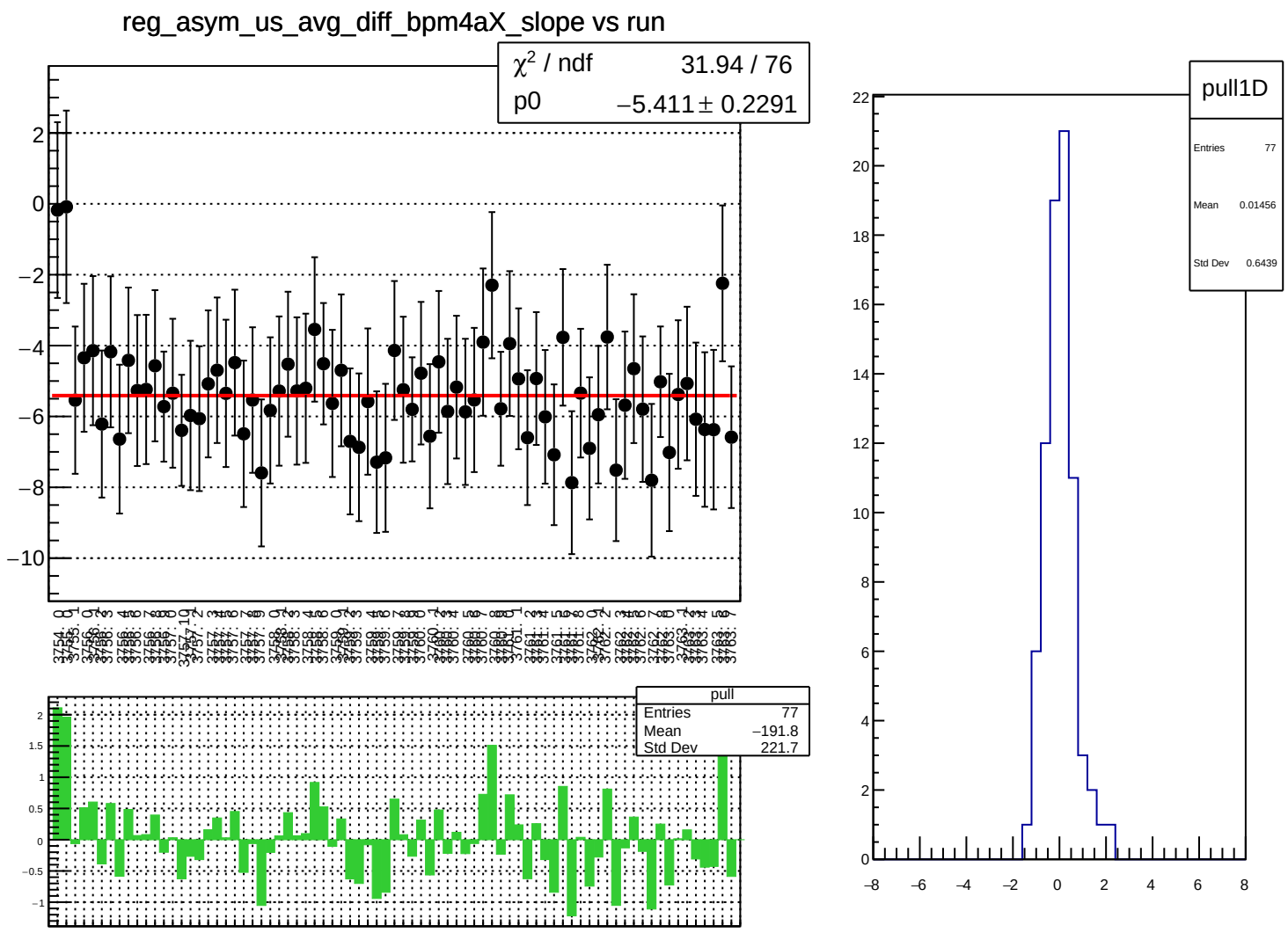

pull1D
Entries 77
Mean −0.01126
Std Dev 1.135

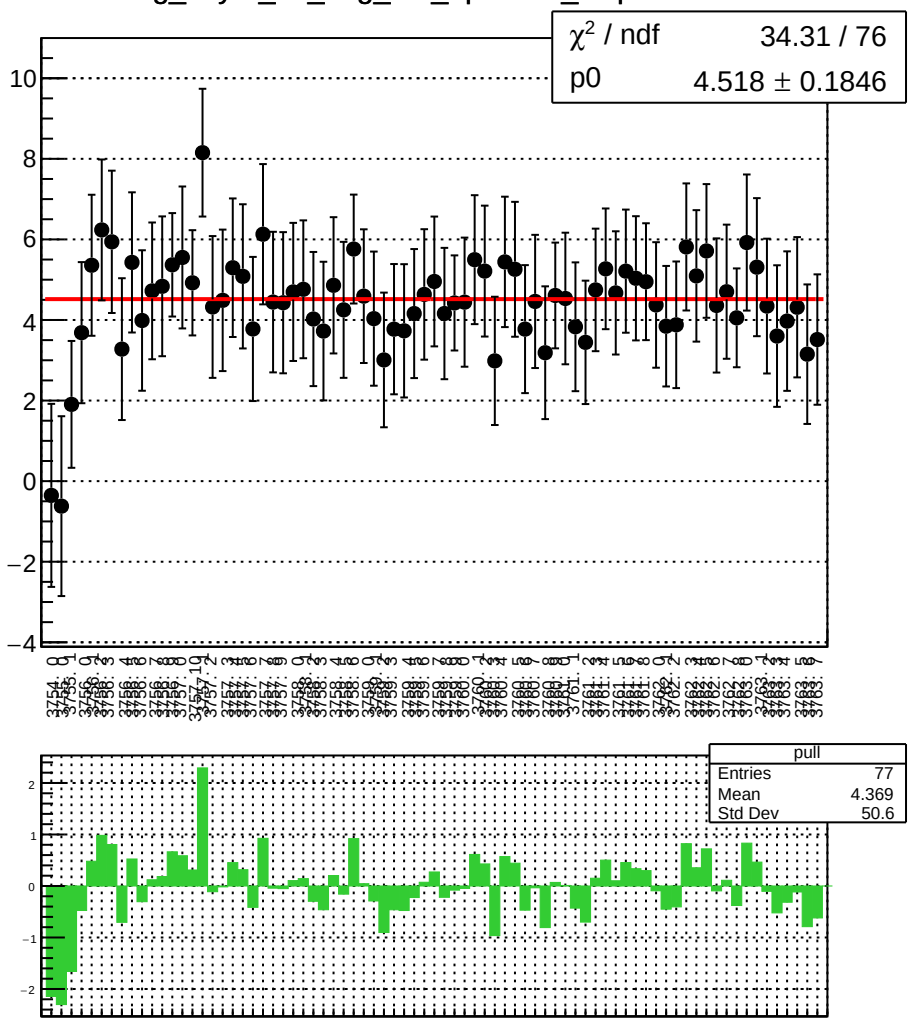

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 7.931 / 76
p0 −3.647 ± 0.6843
pull
Entries 77
Mean −370.6
Std Dev 439.7

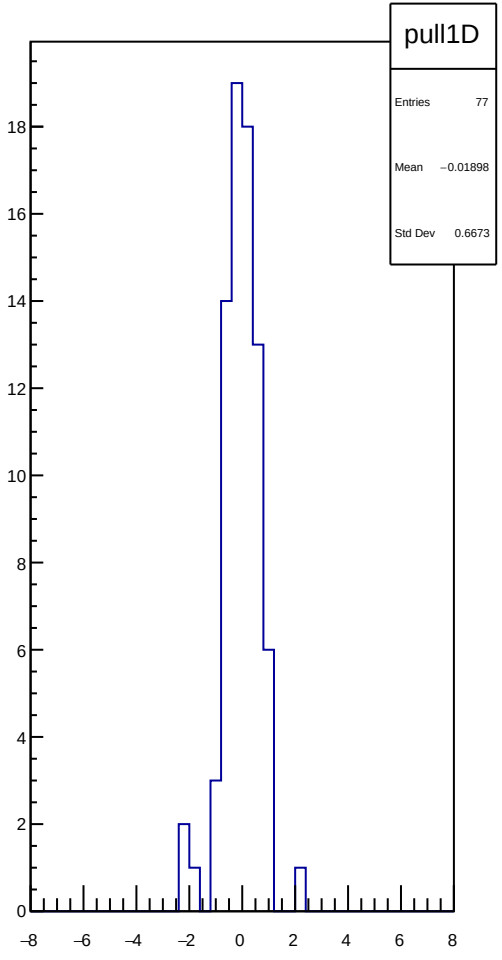

pull1D
Entries 77
Mean −0.001179
Std Dev 0.3209

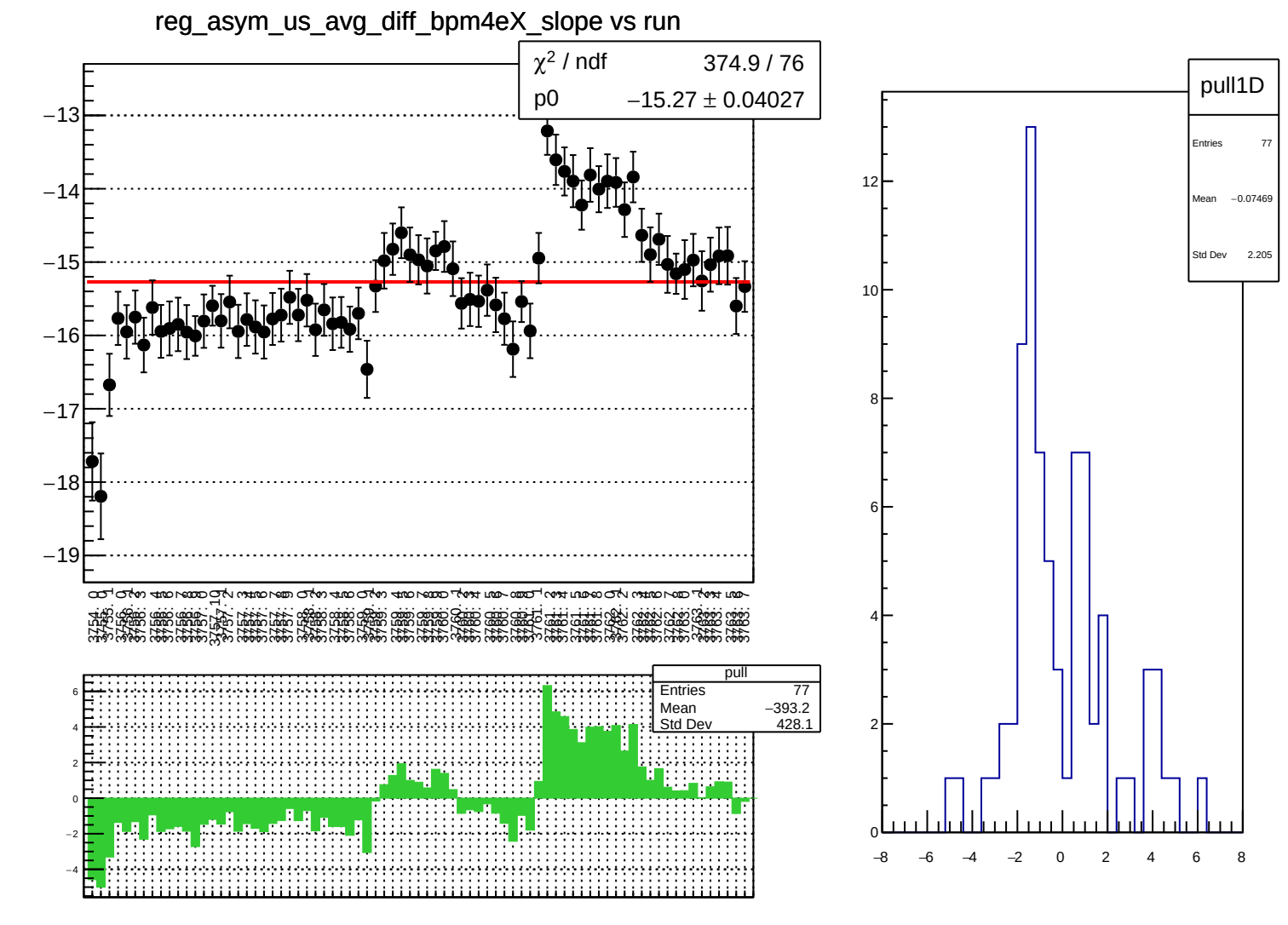

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 17.47 / 76
p0 −48.32 ± 0.1521
pull
Entries 77
Mean −420.9
Std Dev 474.1

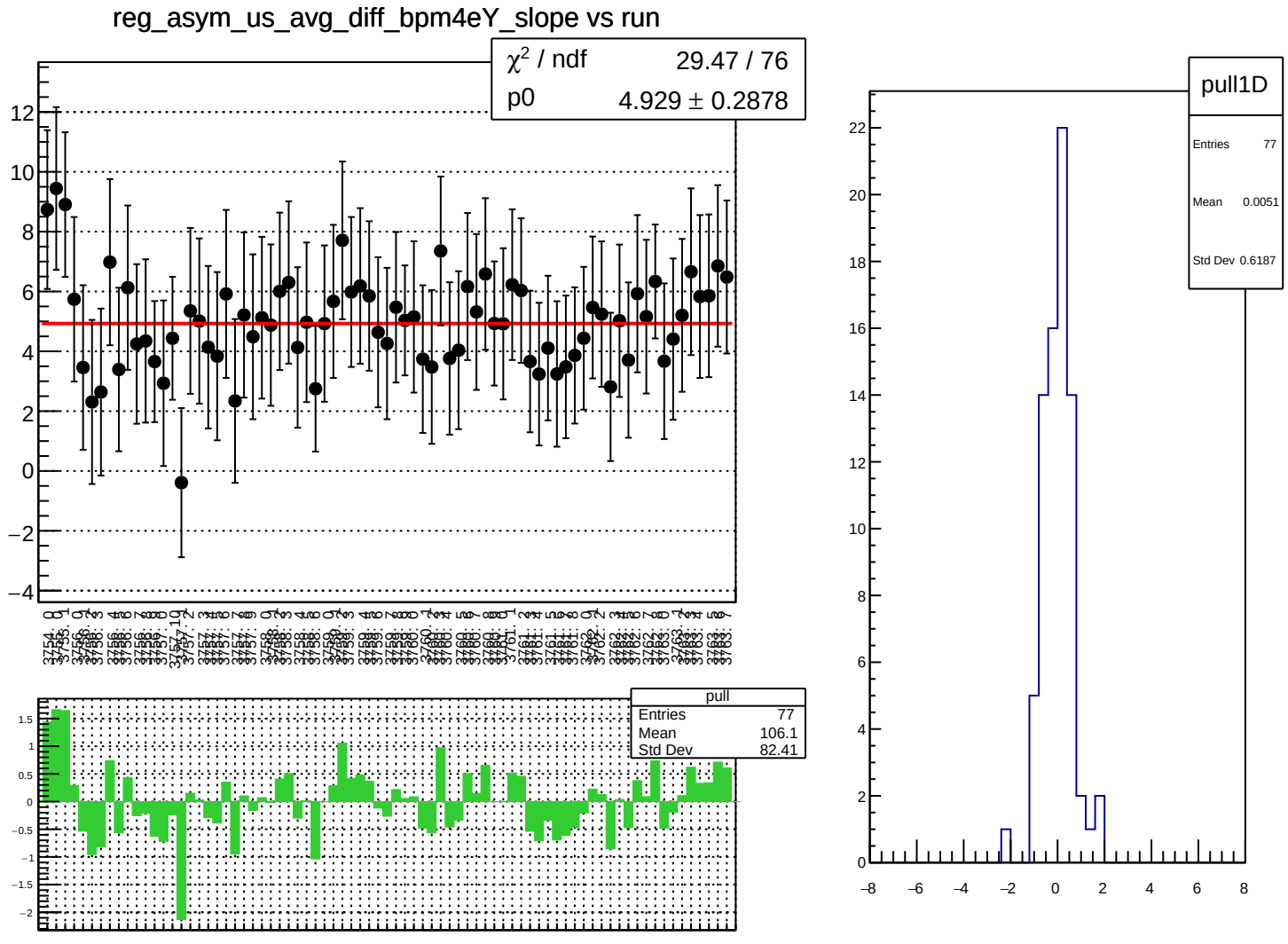

pull1D
Entries 77
Mean 0.006464
Std Dev 0.4763

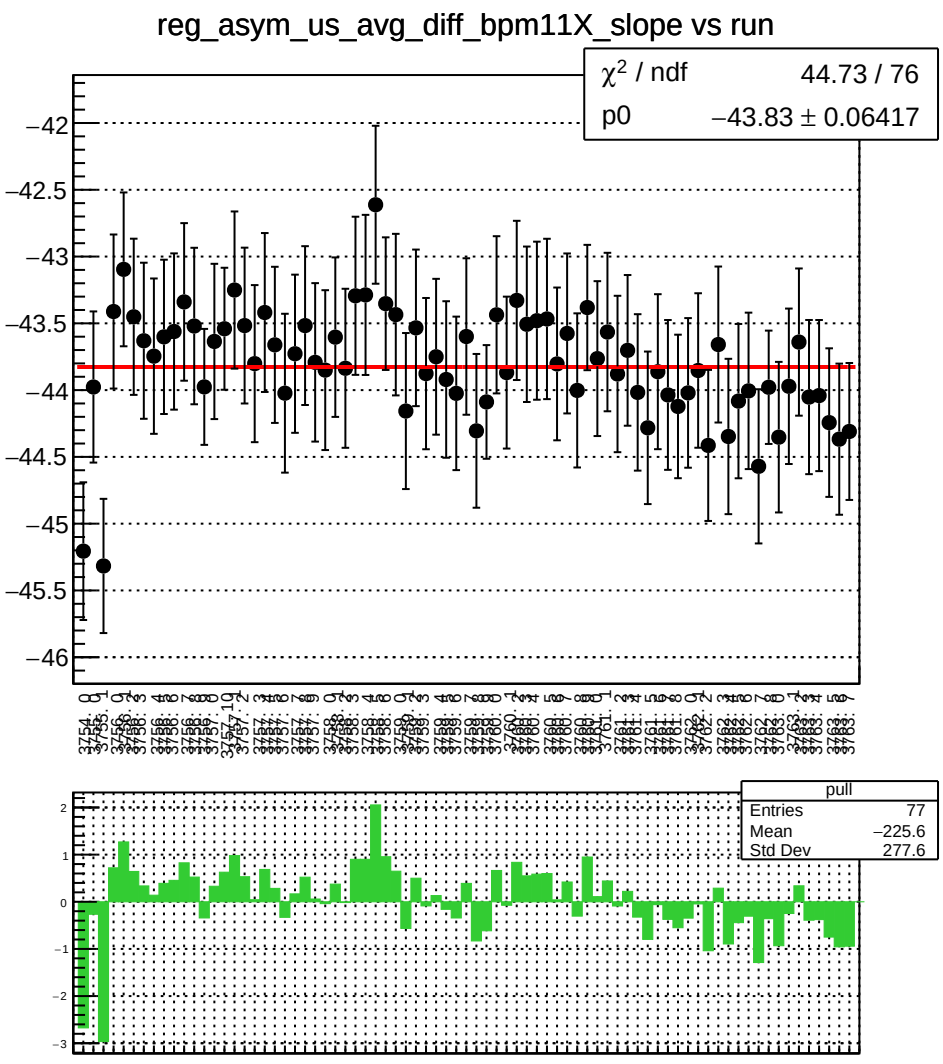

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 31.94 / 76
p0 −5.411 ± 0.2291
pull
Entries 77
Mean −191.8
Std Dev 221.7
pull1D
Entries 77
Mean 0.01456
Std Dev 0.6439

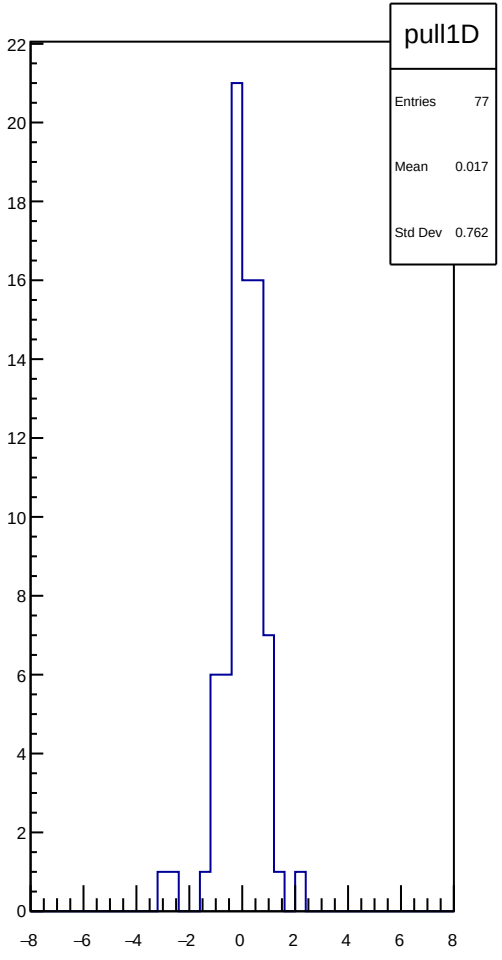

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.31 / 76
p0 4.518 ± 0.1846
pull
Entries 77
Mean 4.369
Std Dev 50.6

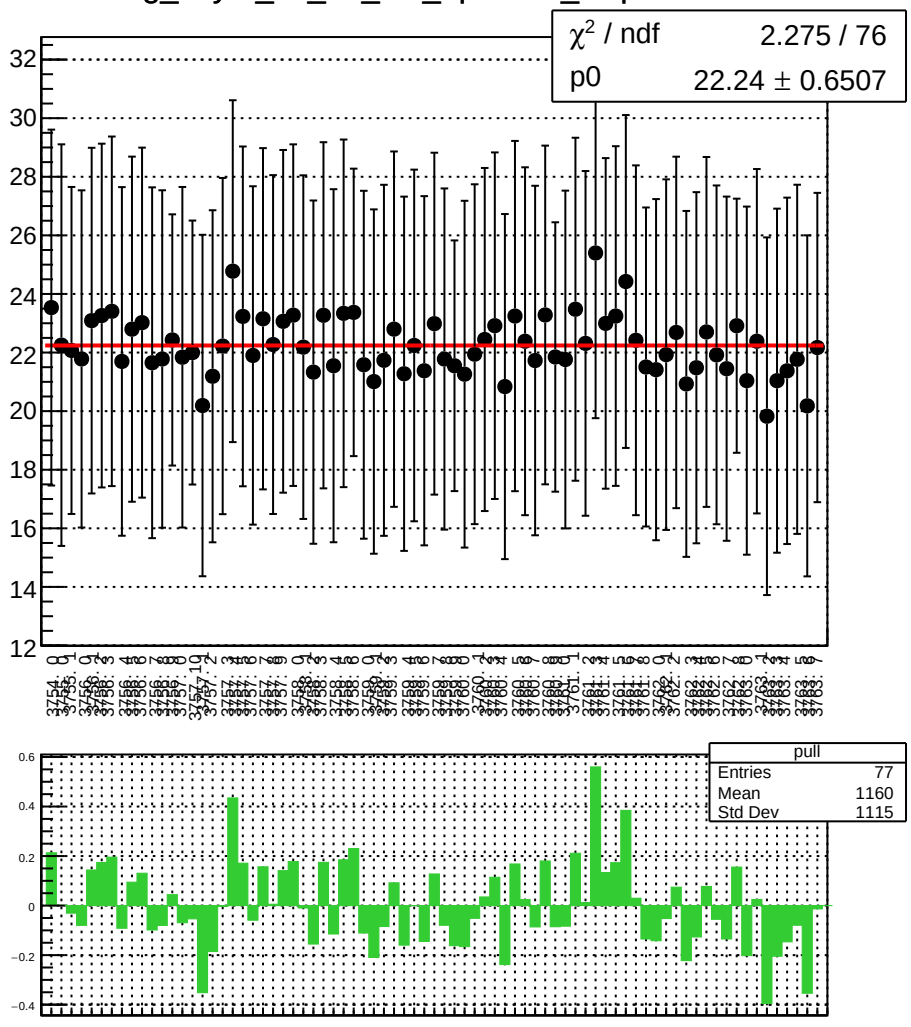

pull1D
Entries 77
Mean −0.01898
Std Dev 0.6673

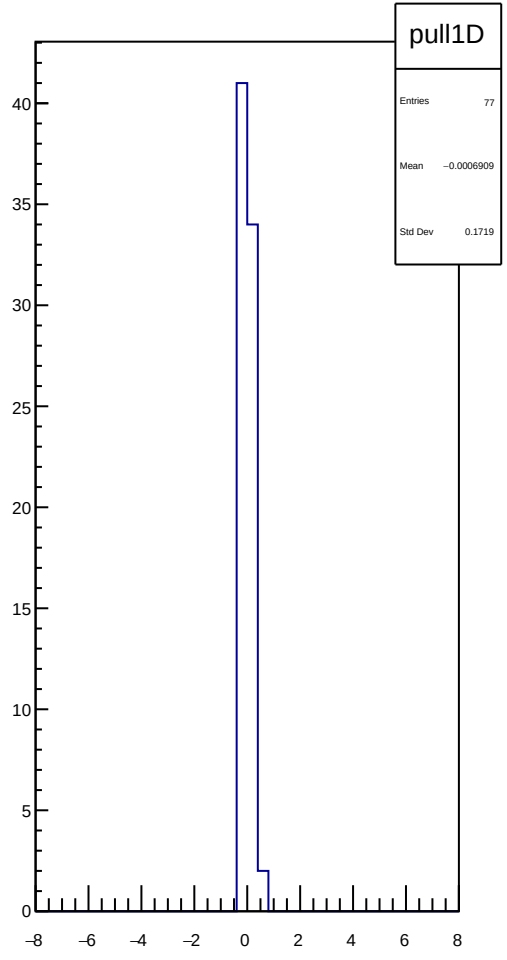

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 374.9 / 76
p0 −15.27 ± 0.04027
pull
Entries 77
Mean −393.2
Std Dev 428.1
pull1D
Entries 77
Mean −0.07469
Std Dev 2.205

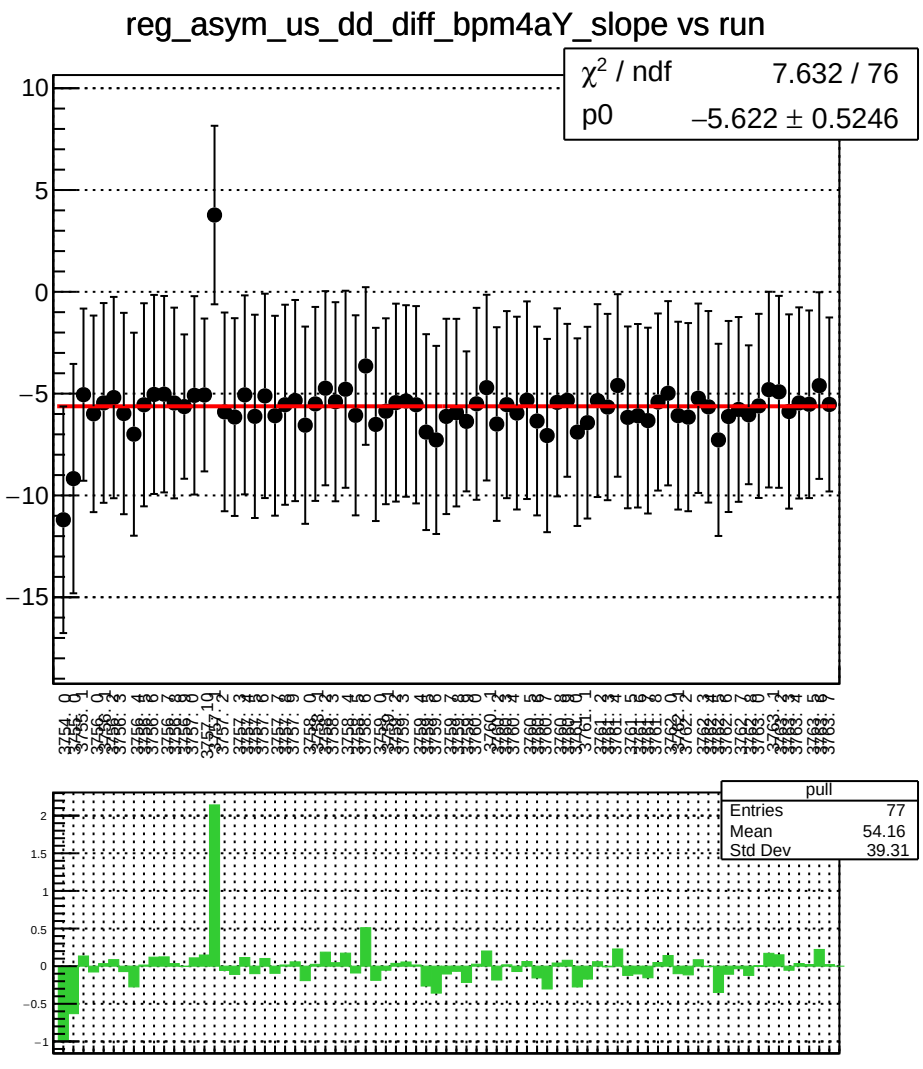

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.47 / 76
p0 4.929 ± 0.2878
pull
Entries 77
Mean 106.1
Std Dev 82.41
pull1D
Entries 77
Mean 0.0051
Std Dev 0.6187

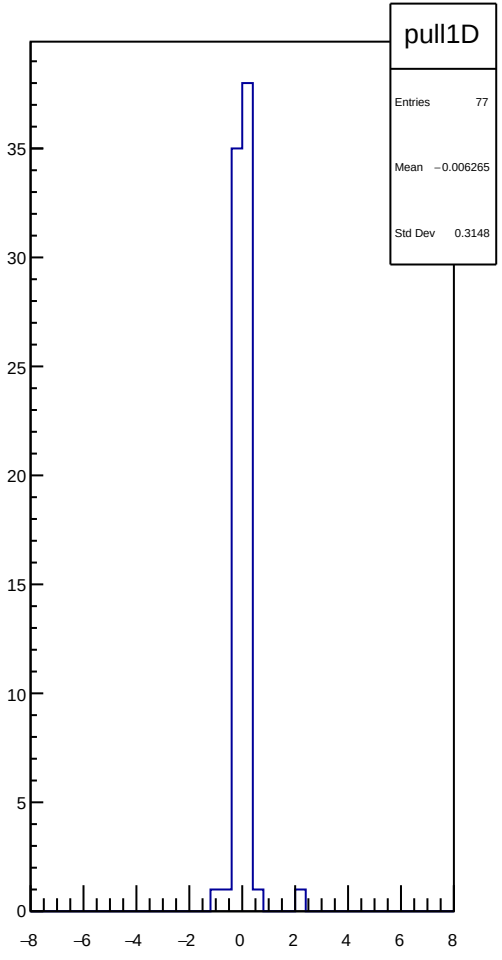

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 44.73 / 76
p0 −43.83 ± 0.06417
pull
Entries 77
Mean −225.6
Std Dev 277.6

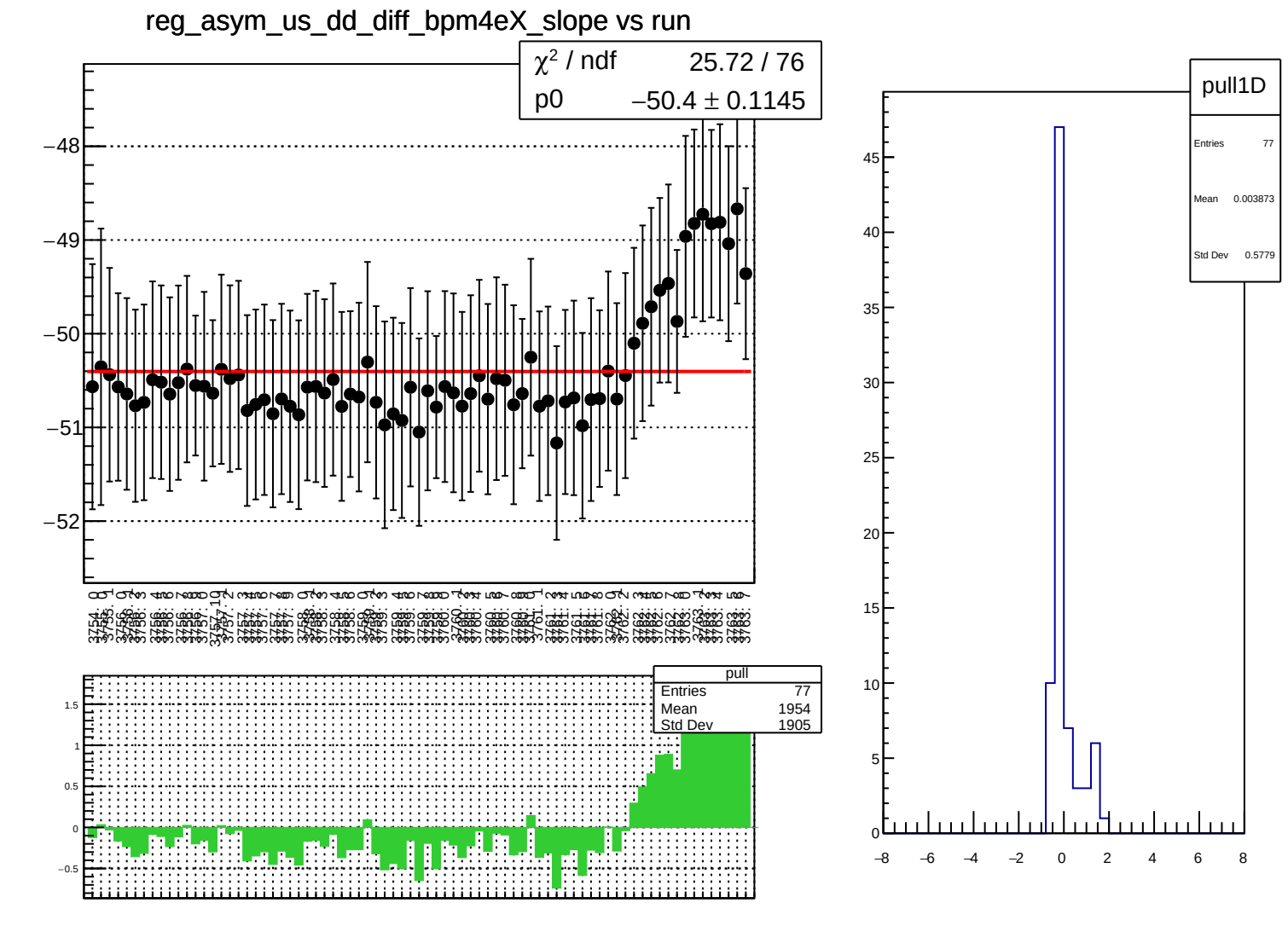

pull1D
Entries 77
Mean 0.017
Std Dev 0.762

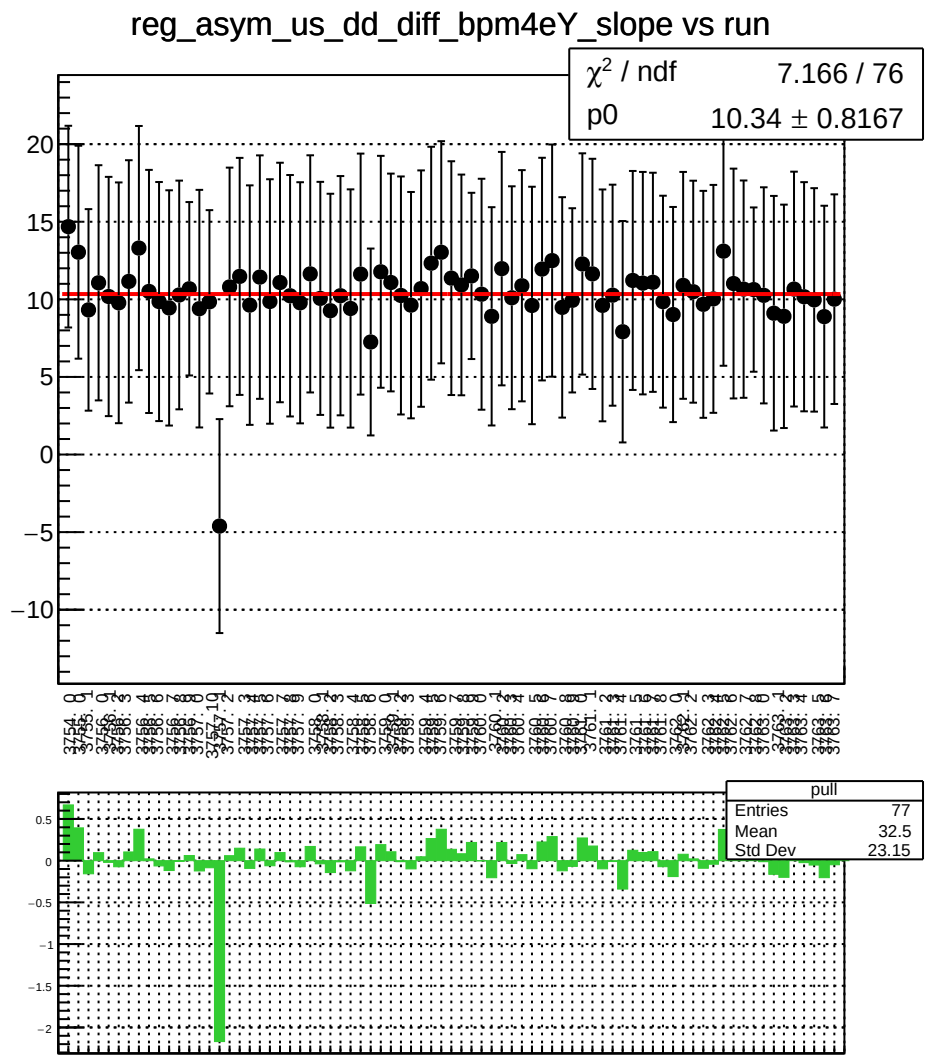

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.275 / 76
p0 22.24 ± 0.6507
pull
Entries 77
Mean 1160
Std Dev 1115

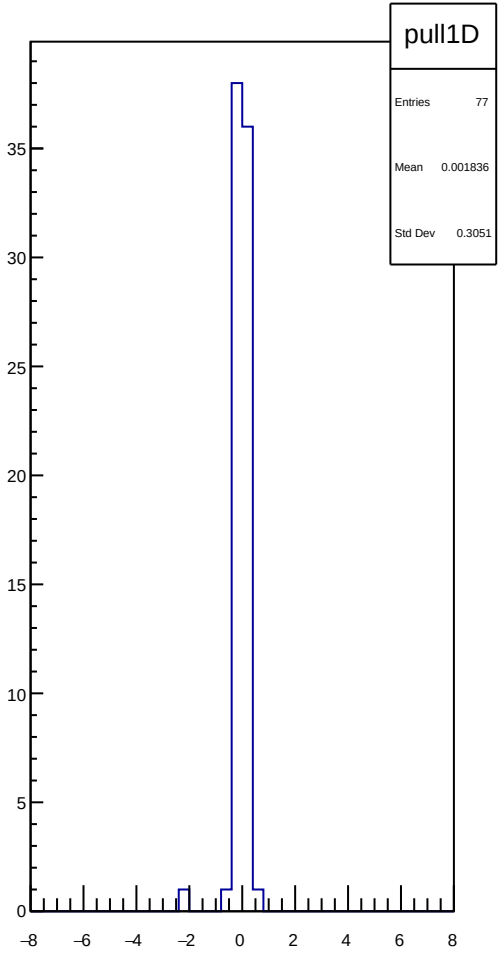

pull1D
Entries 77
Mean −0.0006909
Std Dev 0.1719

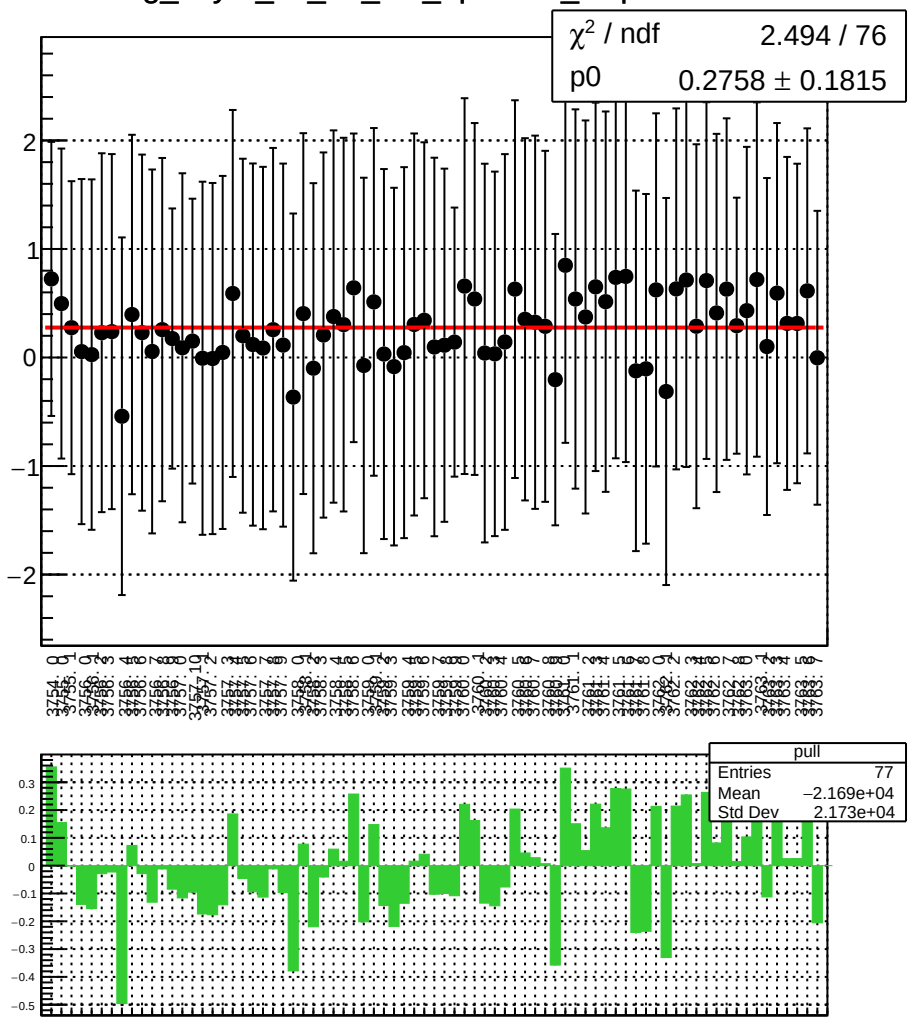

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.632 / 76
p0 −5.622 ± 0.5246
pull
Entries 77
Mean 54.16
Std Dev 39.31

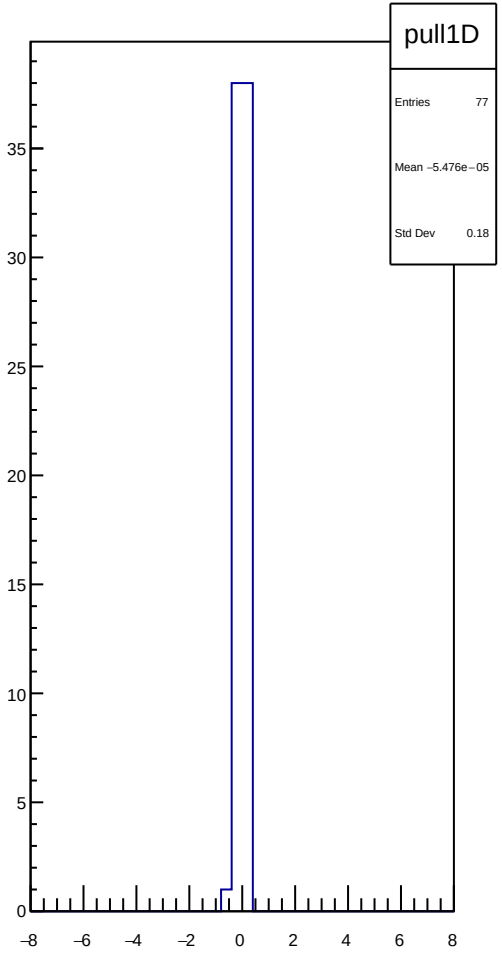

pull1D
Entries 77
Mean −0.006265
Std Dev 0.3148

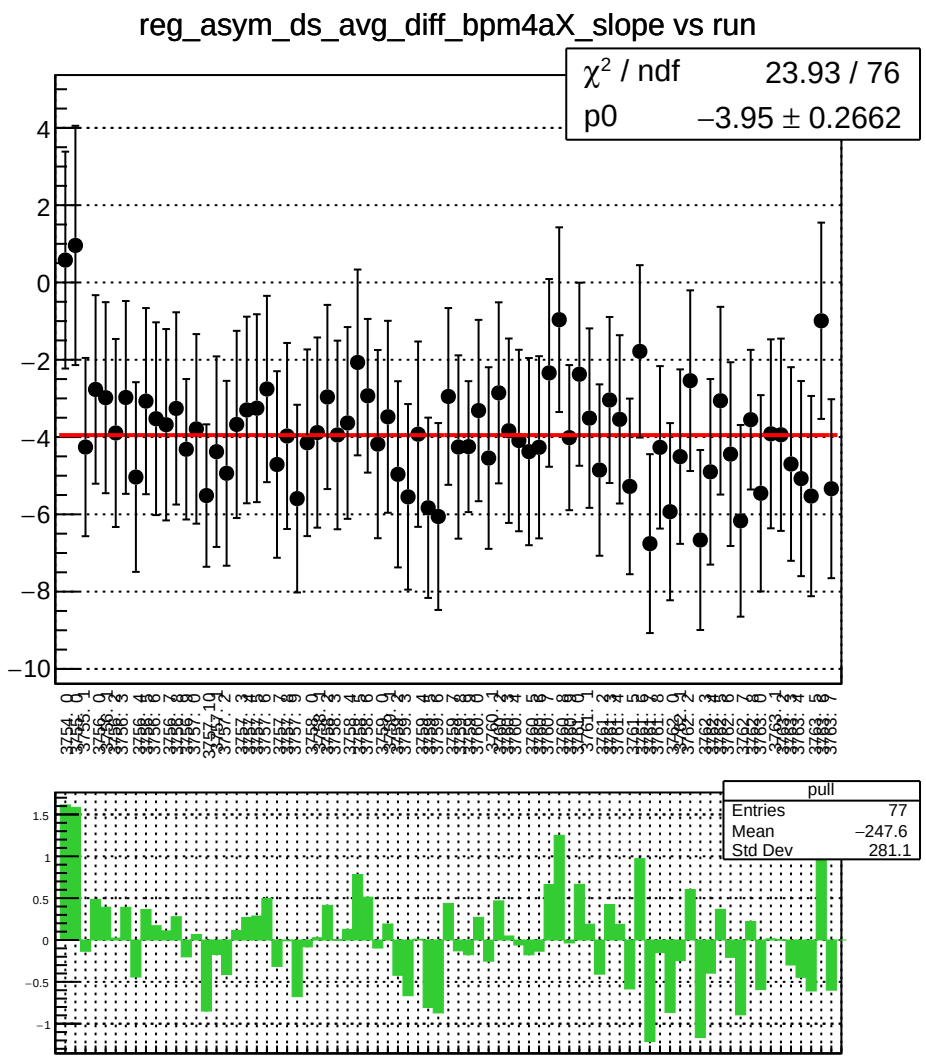

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.72 / 76
p0 −50.4 ± 0.1145
−48
−49
−50
−51
−52
pull
Entries 77
Mean 1954
Std Dev 1905
1.5
1
0.5
0
−0.5
pull1D
Entries 77
Mean 0.003873
Std Dev 0.5779
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

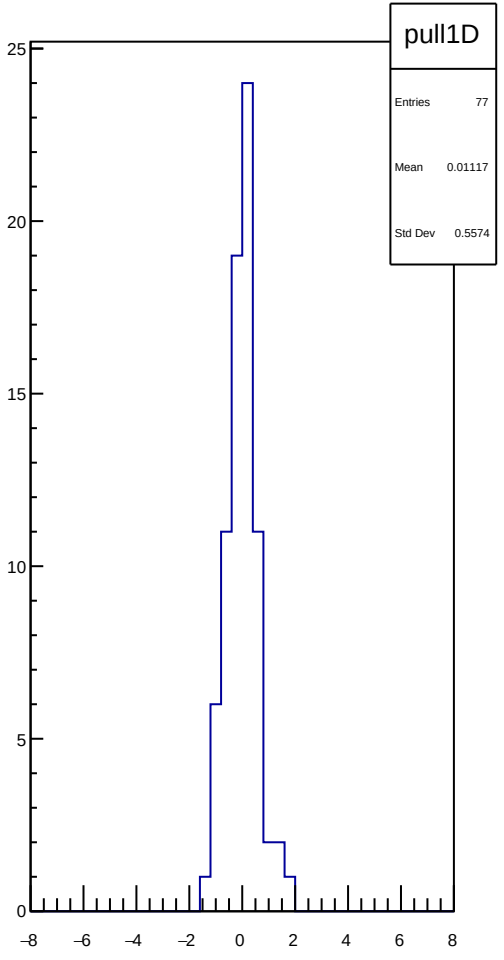

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.166 / 76
p0 10.34 ± 0.8167
pull
Entries 77
Mean 32.5
Std Dev 23.15

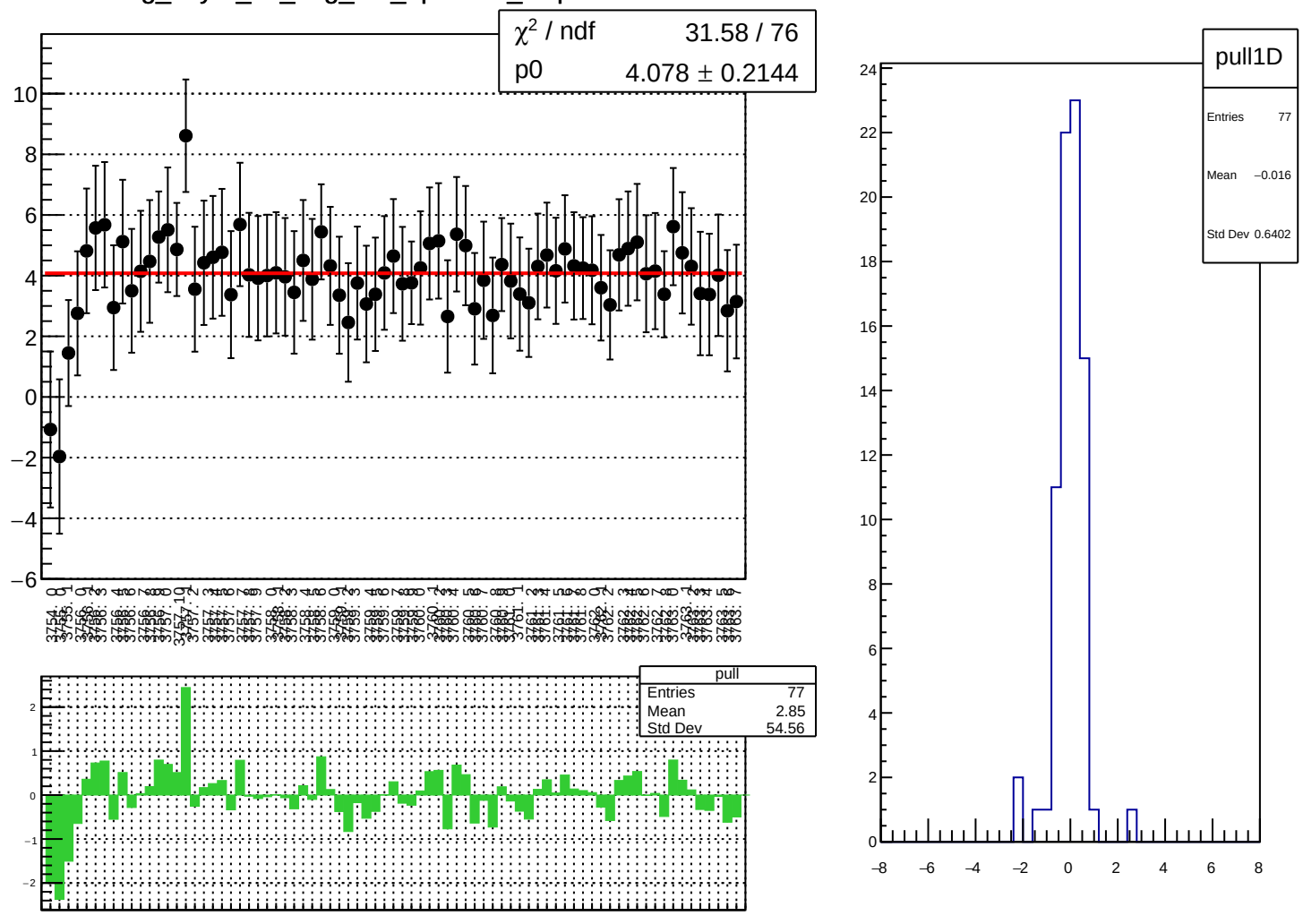

pull1D
Entries 77
Mean 0.001836
Std Dev 0.3051

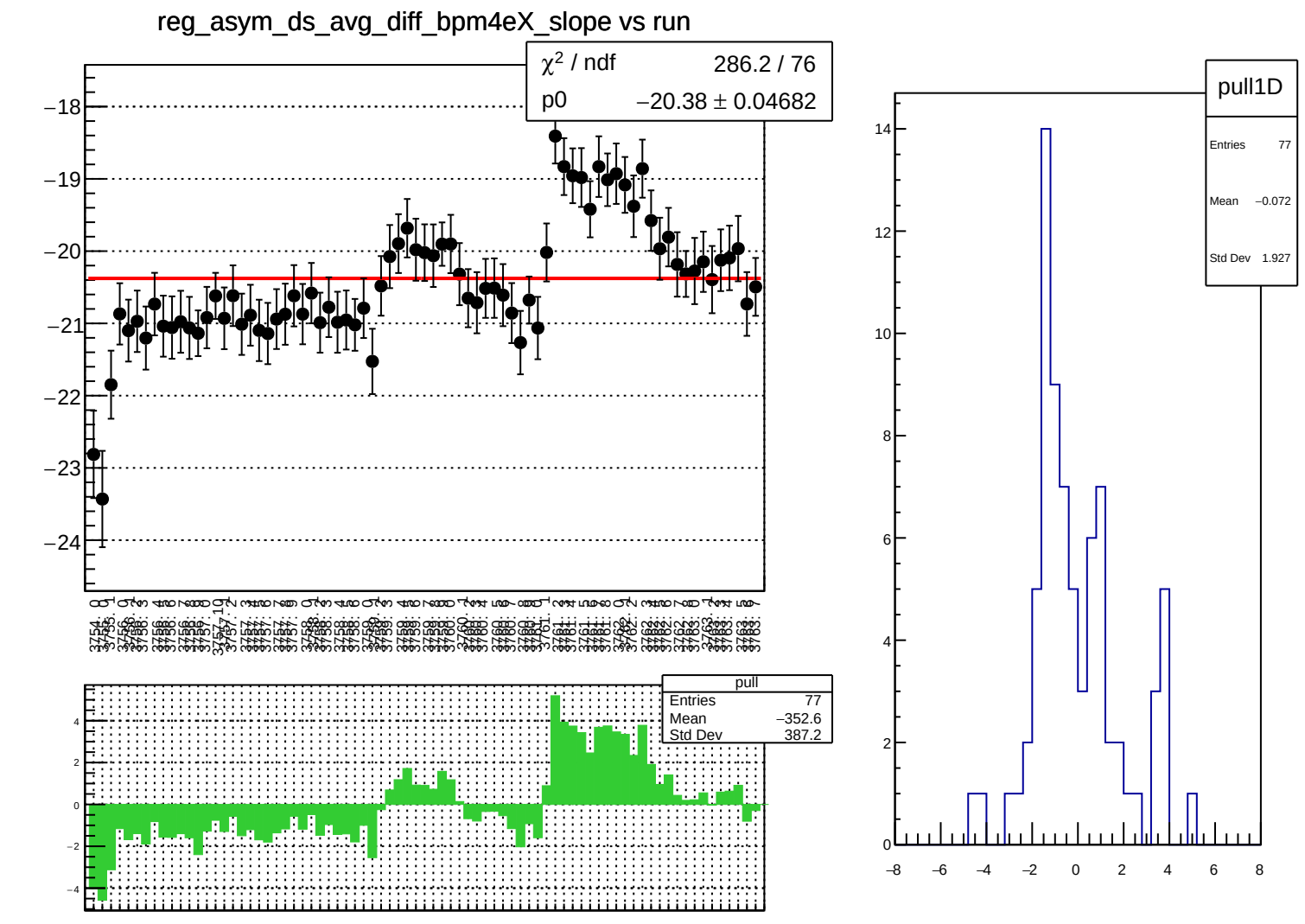

reg_asym_us_dd_diff_bpm11X_slope vs run
χ^2 / ndf 2.494 / 76
p0 0.2758 ± 0.1815
pull
Entries 77
Mean −2.169e+04
Std Dev 2.173e+04

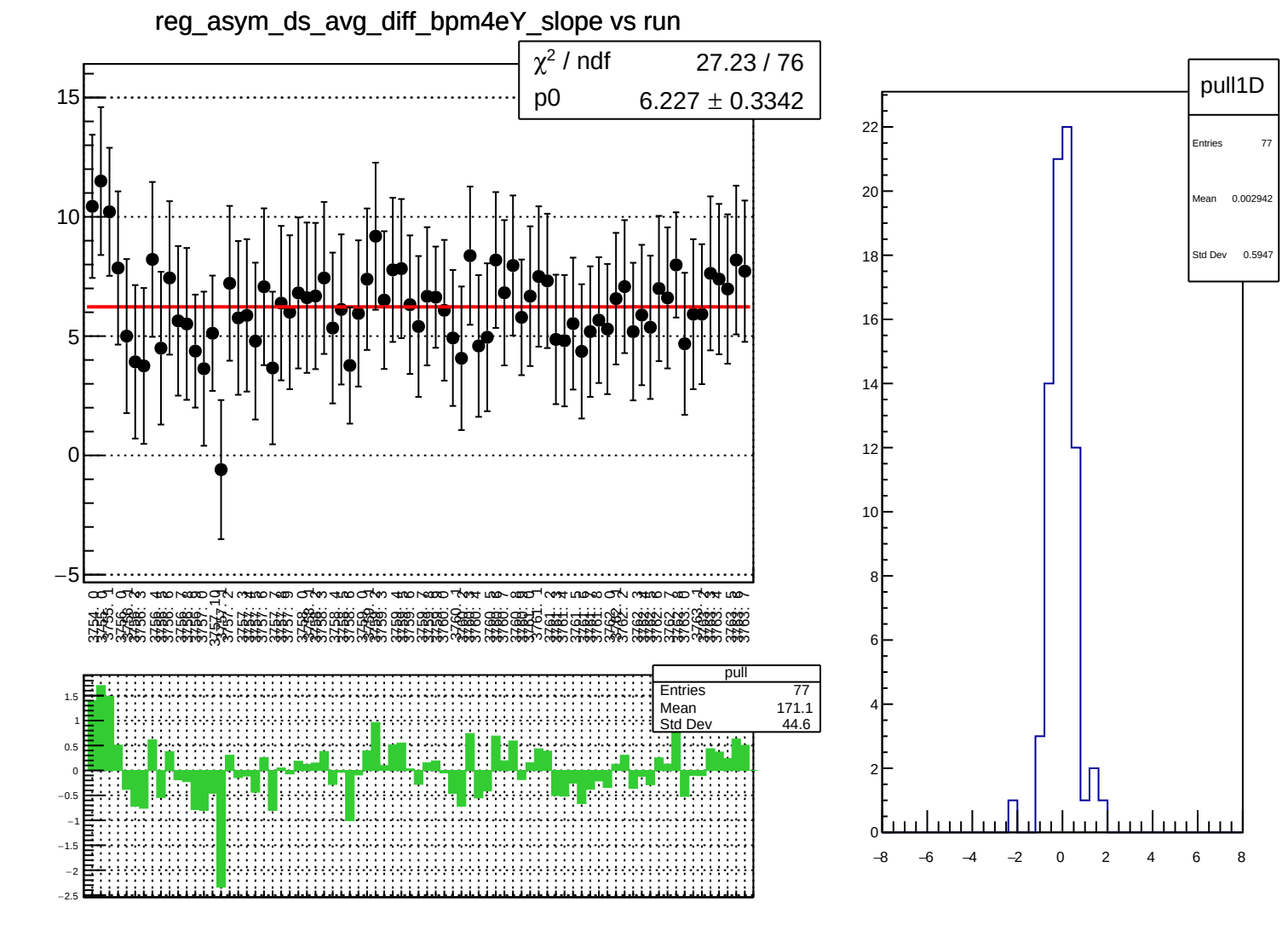

pull1D
Entries 77
Mean −5.476e−05
Std Dev 0.18

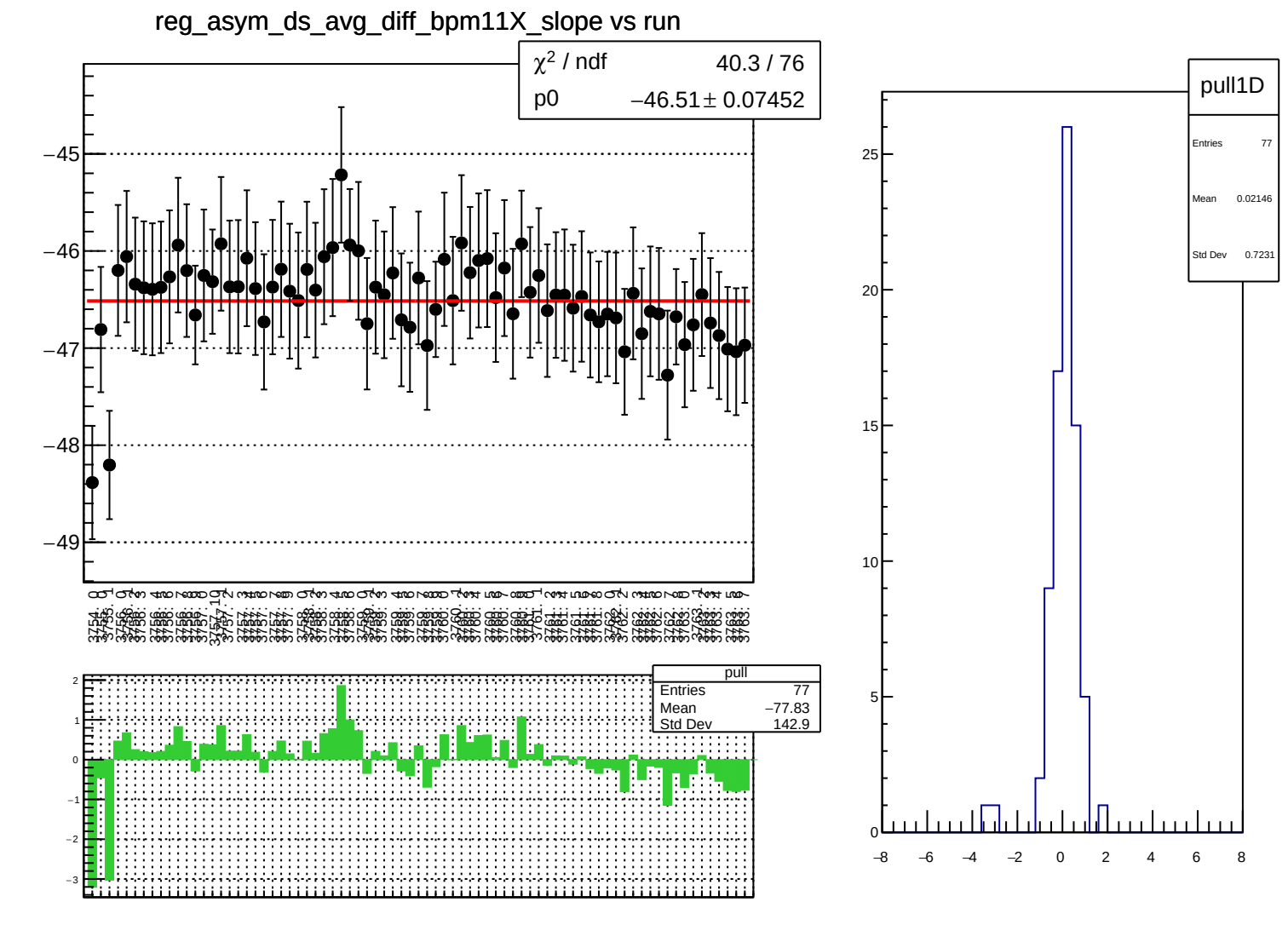

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.93 / 76
p0 −3.95 ± 0.2662
pull
Entries 77
Mean −247.6
Std Dev 281.1

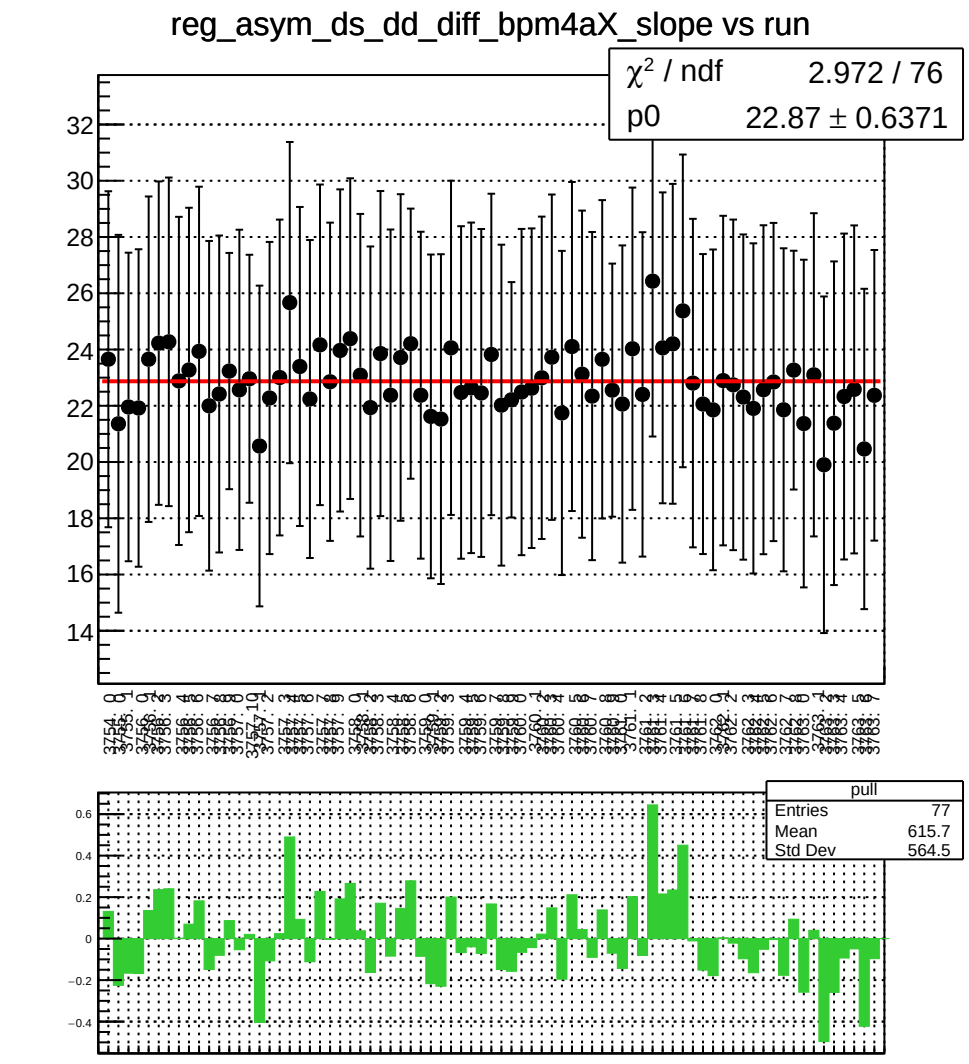

pull1D
Entries 77
Mean 0.01117
Std Dev 0.5574

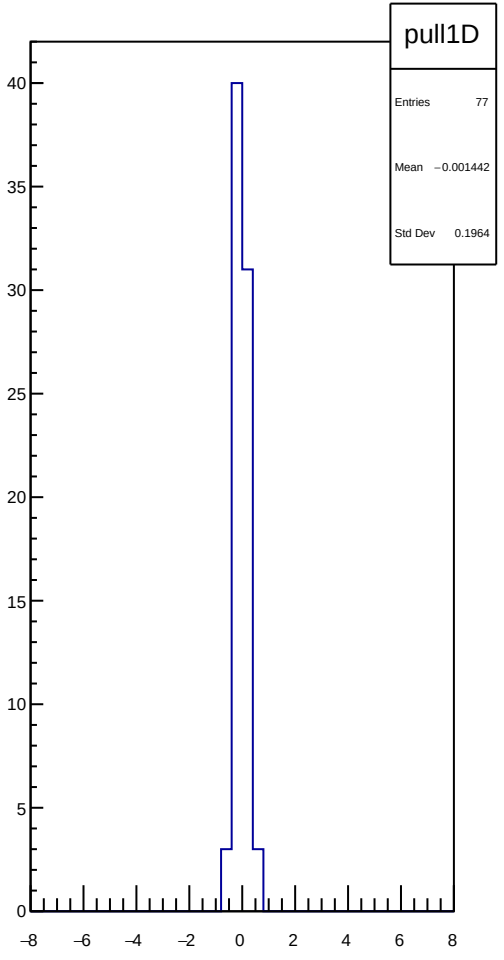

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.58 / 76
p0 4.078 ± 0.2144
pull
Entries 77
Mean 2.85
Std Dev 54.56
pull1D
Entries 77
Mean −0.016
Std Dev 0.6402

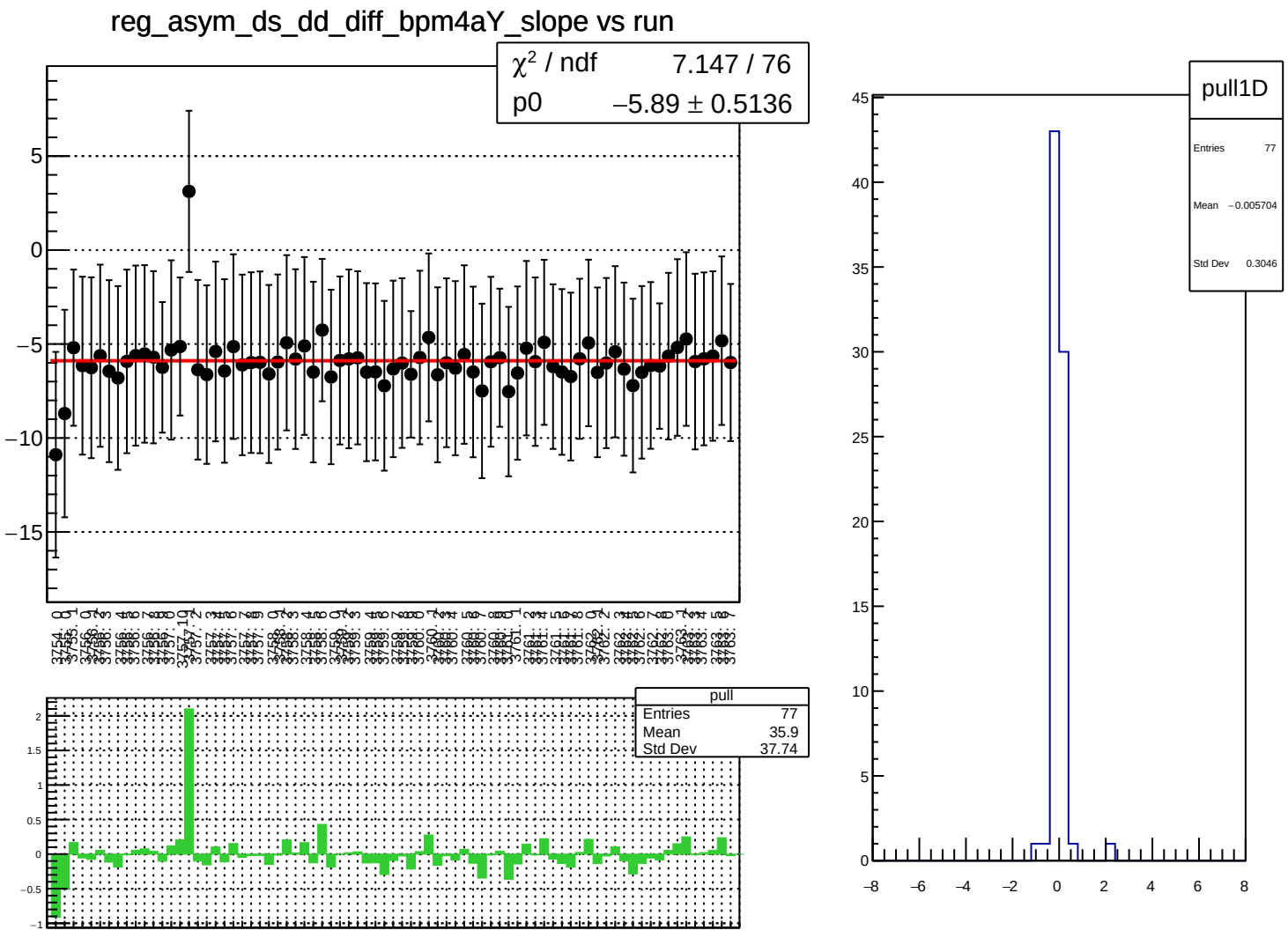

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 286.2 / 76
p0 −20.38 ± 0.04682
pull
Entries 77
Mean −352.6
Std Dev 387.2
pull1D
Entries 77
Mean −0.072
Std Dev 1.927

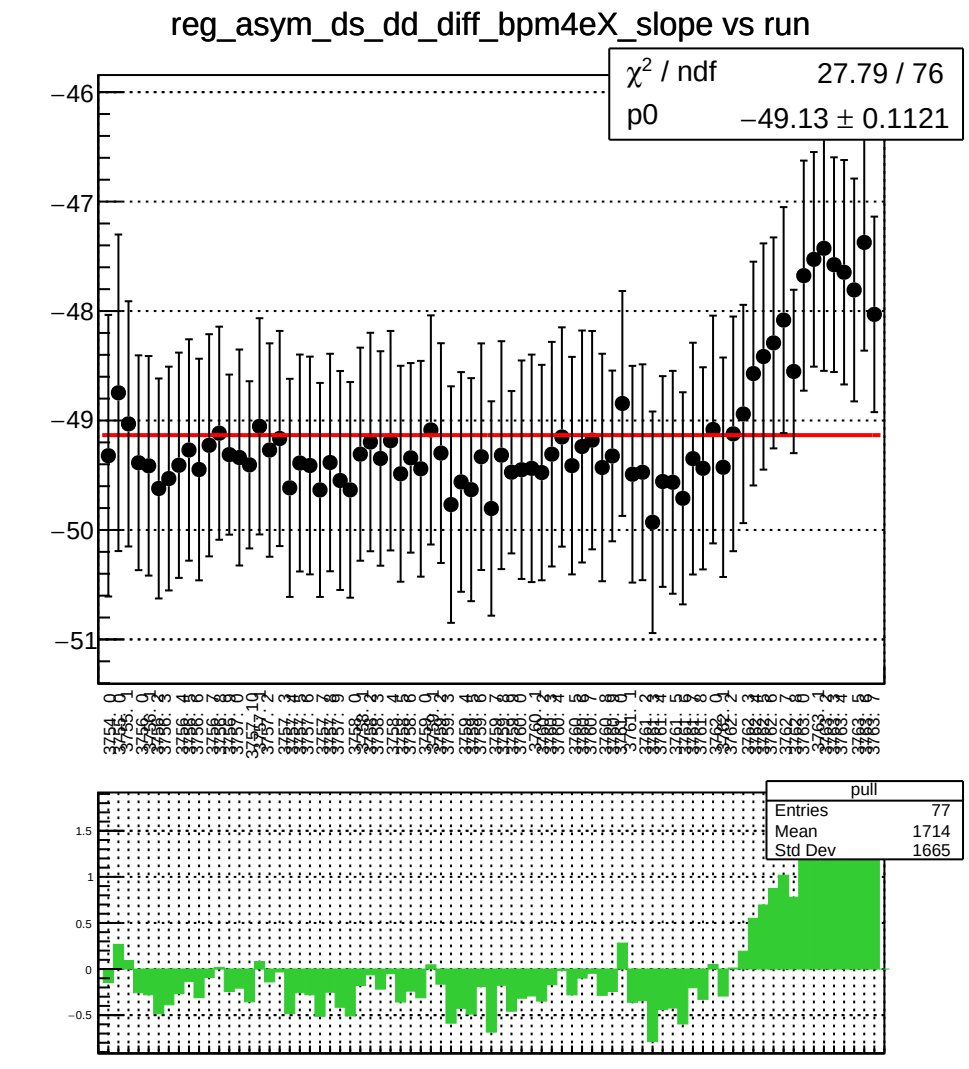

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.23 / 76
p0 6.227 ± 0.3342
pull
Entries 77
Mean 171.1
Std Dev 44.6
pull1D
Entries 77
Mean 0.002942
Std Dev 0.5947

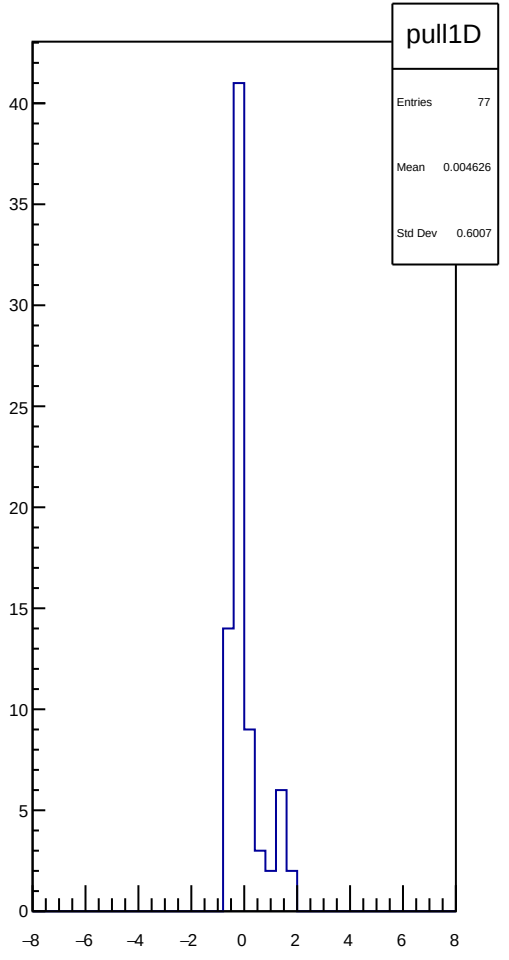

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 40.3 / 76
p0 −46.51 ± 0.07452
pull
Entries 77
Mean −77.83
Std Dev 142.9
pull1D
Entries 77
Mean 0.02146
Std Dev 0.7231

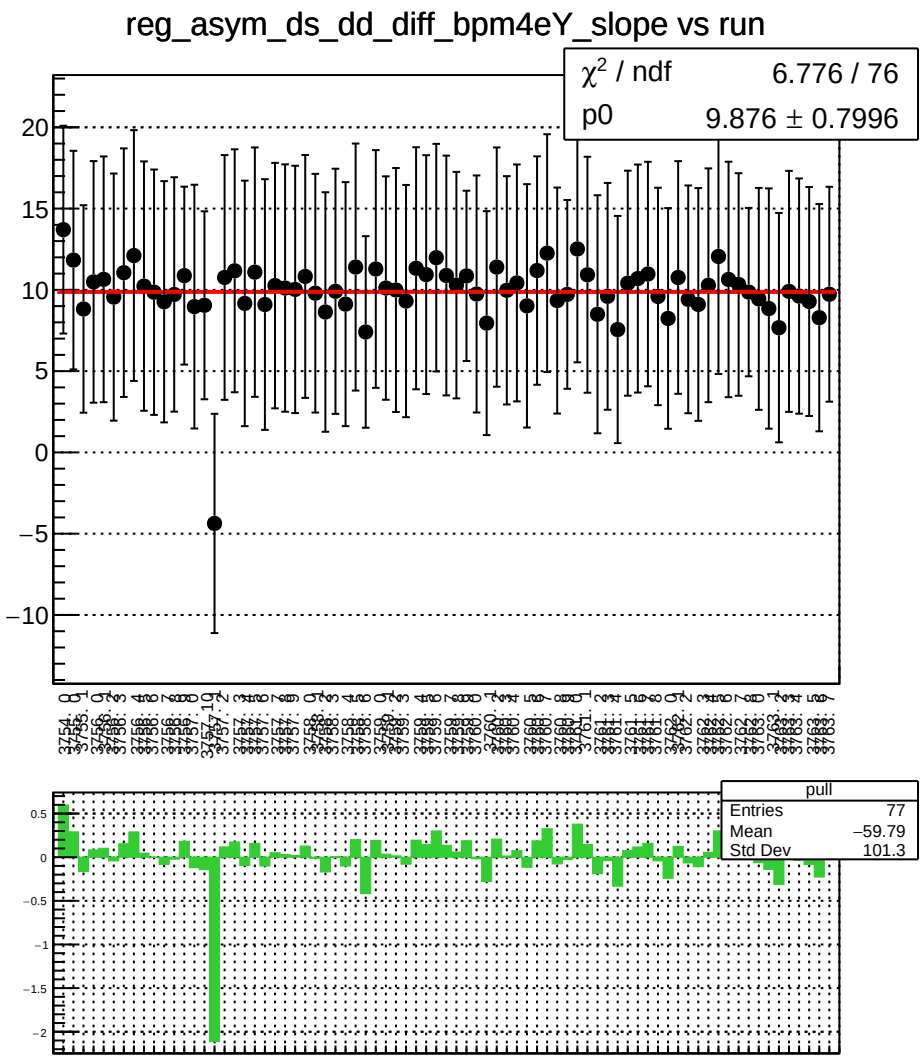

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.972 / 76
p0 22.87 ± 0.6371
pull
Entries 77
Mean 615.7
Std Dev 564.5

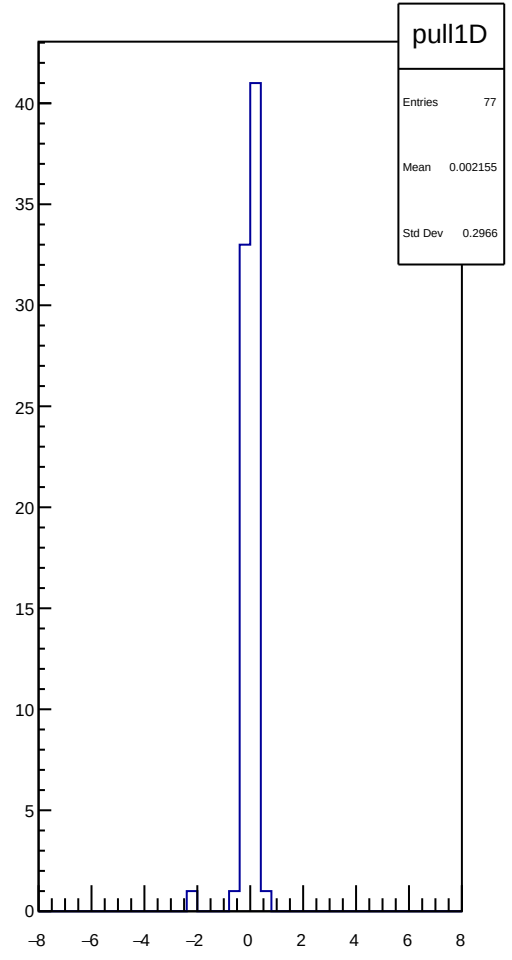

pull1D
Entries 77
Mean −0.001442
Std Dev 0.1964

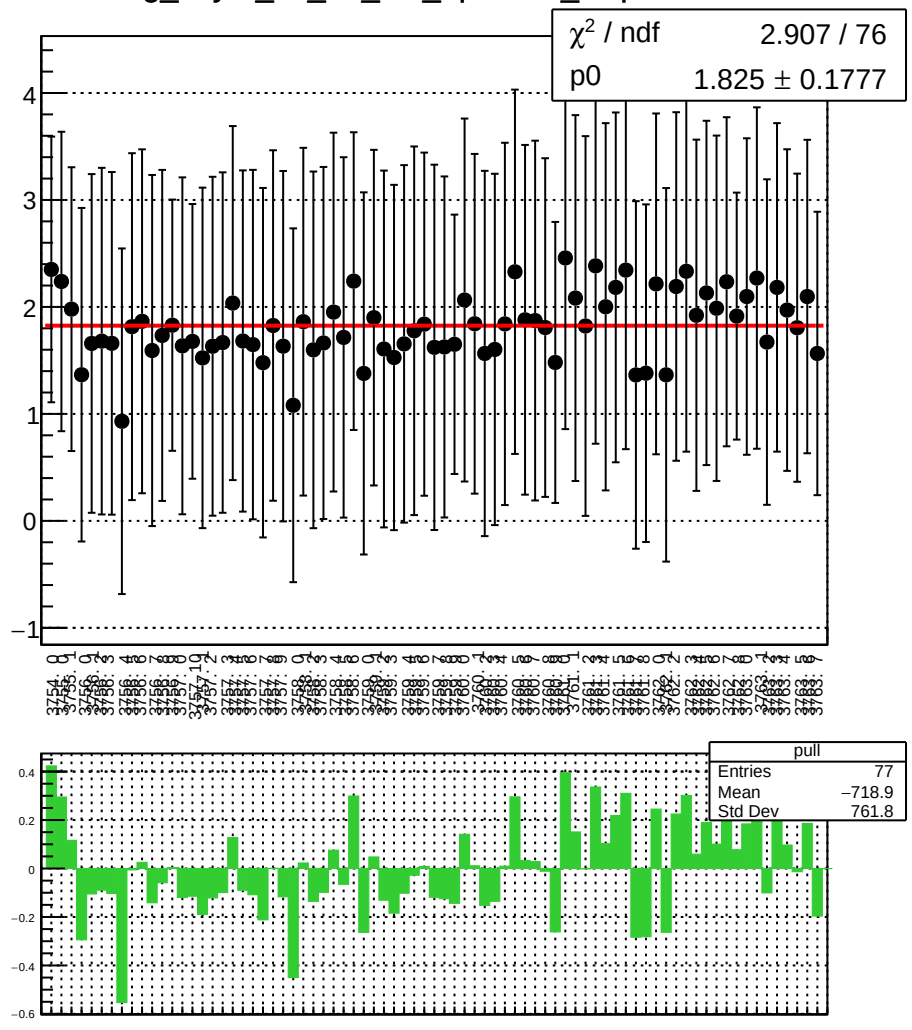

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.147 / 76
p0 −5.89 ± 0.5136
pull
Entries 77
Mean 35.9
Std Dev 37.74
pull1D
Entries 77
Mean −0.005704
Std Dev 0.3046

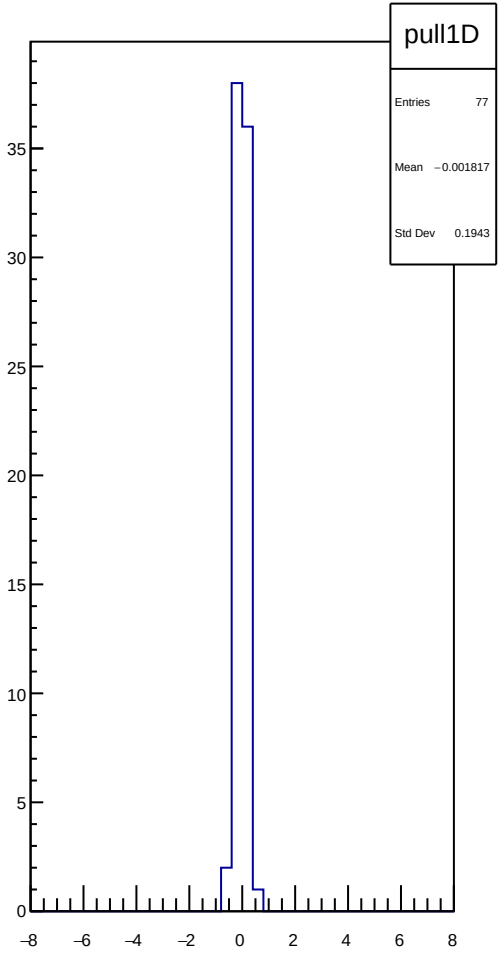

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.79 / 76
p0 −49.13 ± 0.1121
−46
−47
−48
−49
−50
−51
pull
Entries 77
Mean 1714
Std Dev 1665
1.5
1
0.5
0
−0.5

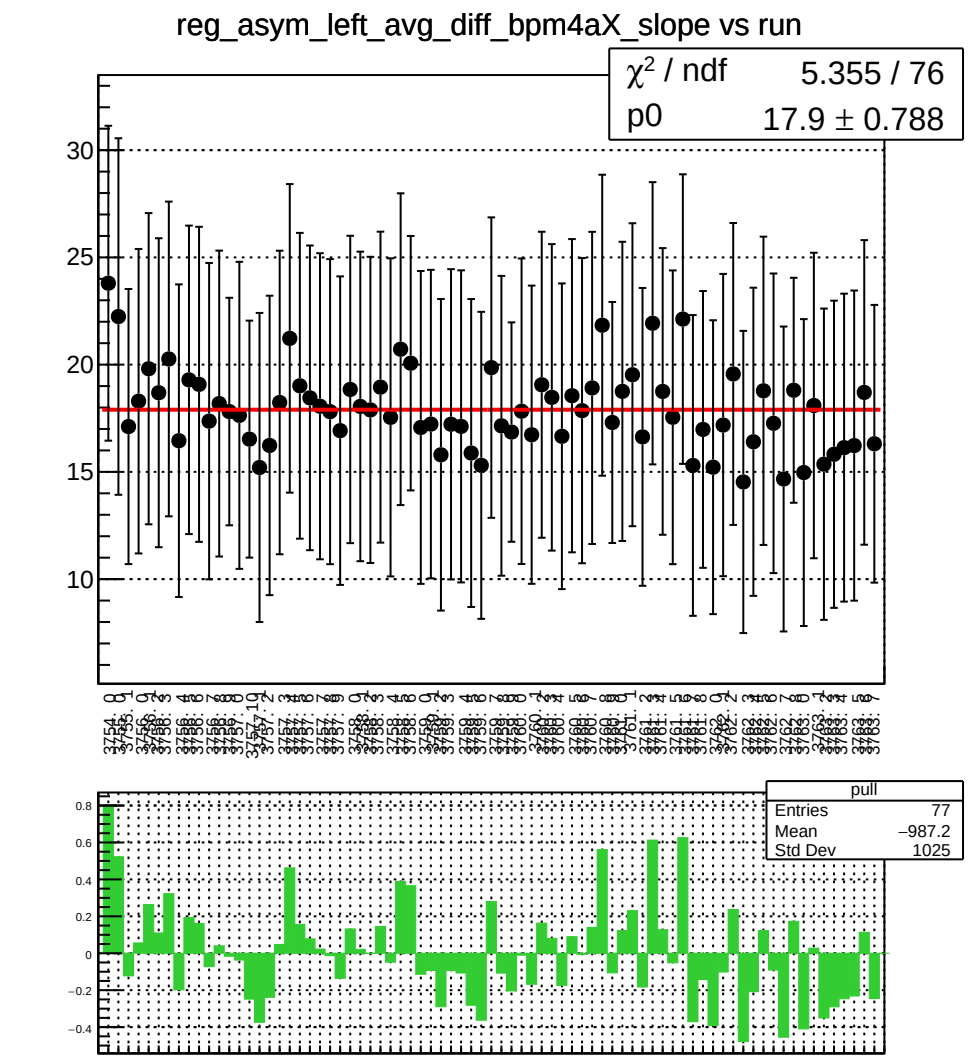

pull1D
Entries 77
Mean 0.004626
Std Dev 0.6007
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

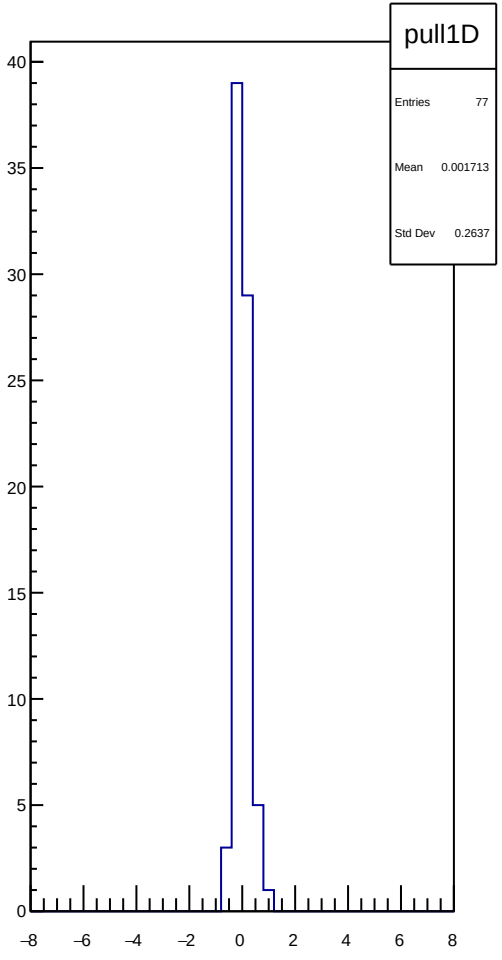

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.776 / 76
p0 9.876 ± 0.7996
pull
Entries 77
Mean −59.79
Std Dev 101.3

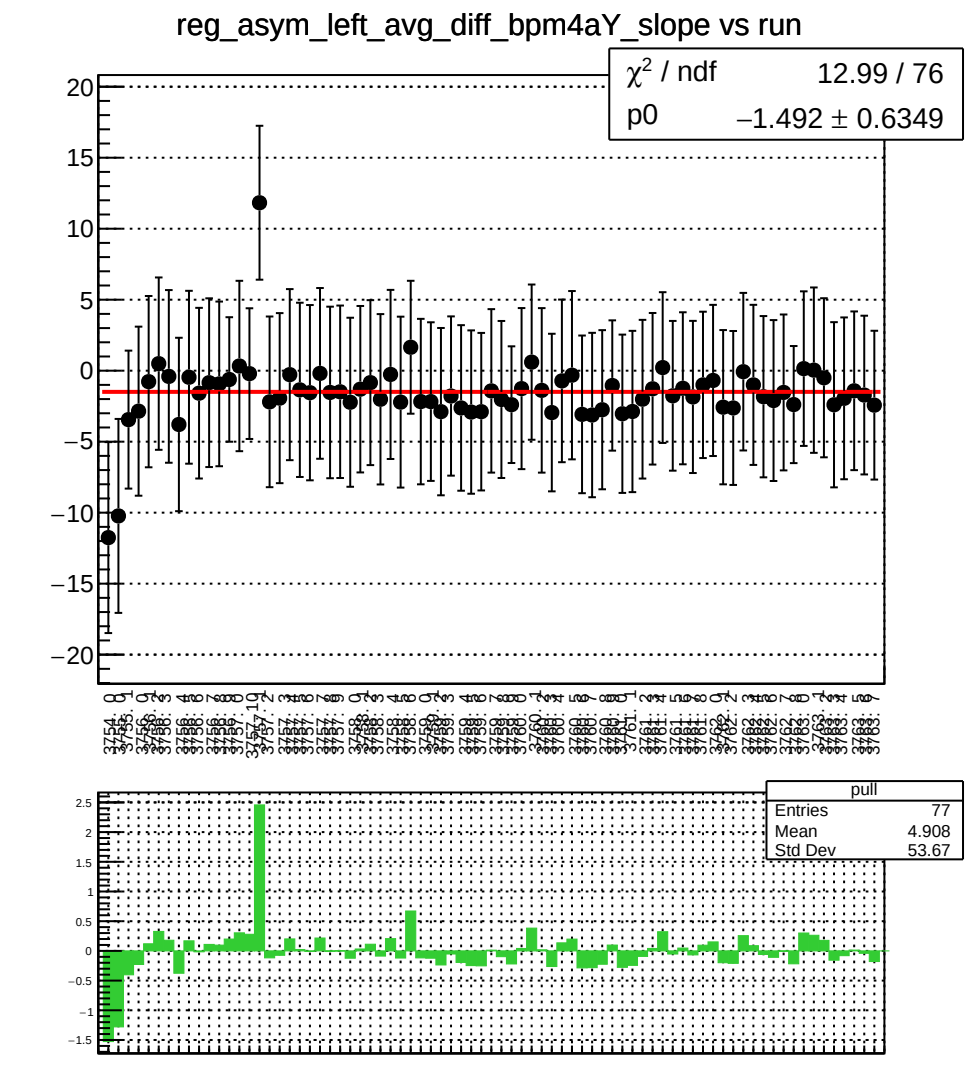

pull1D
Entries 77
Mean 0.002155
Std Dev 0.2966

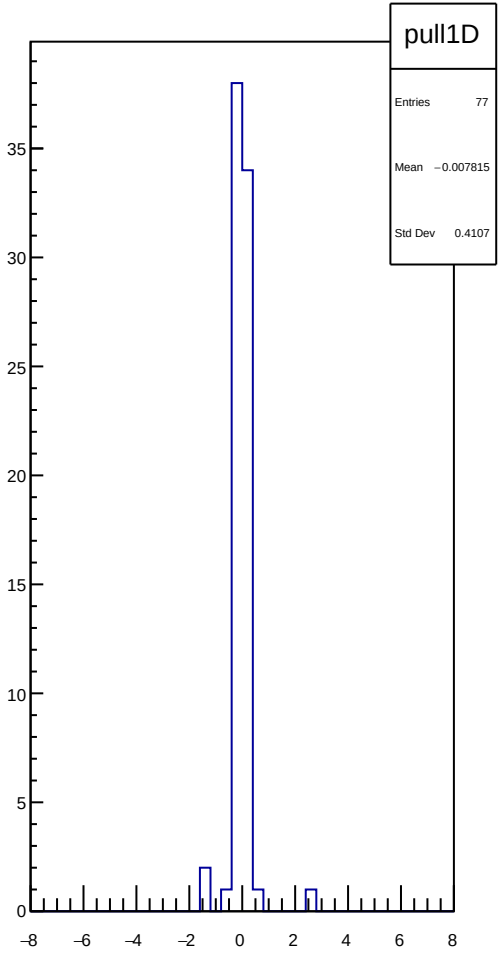

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 2.907 / 76
p0 1.825 ± 0.1777
pull
Entries 77
Mean −718.9
Std Dev 761.8

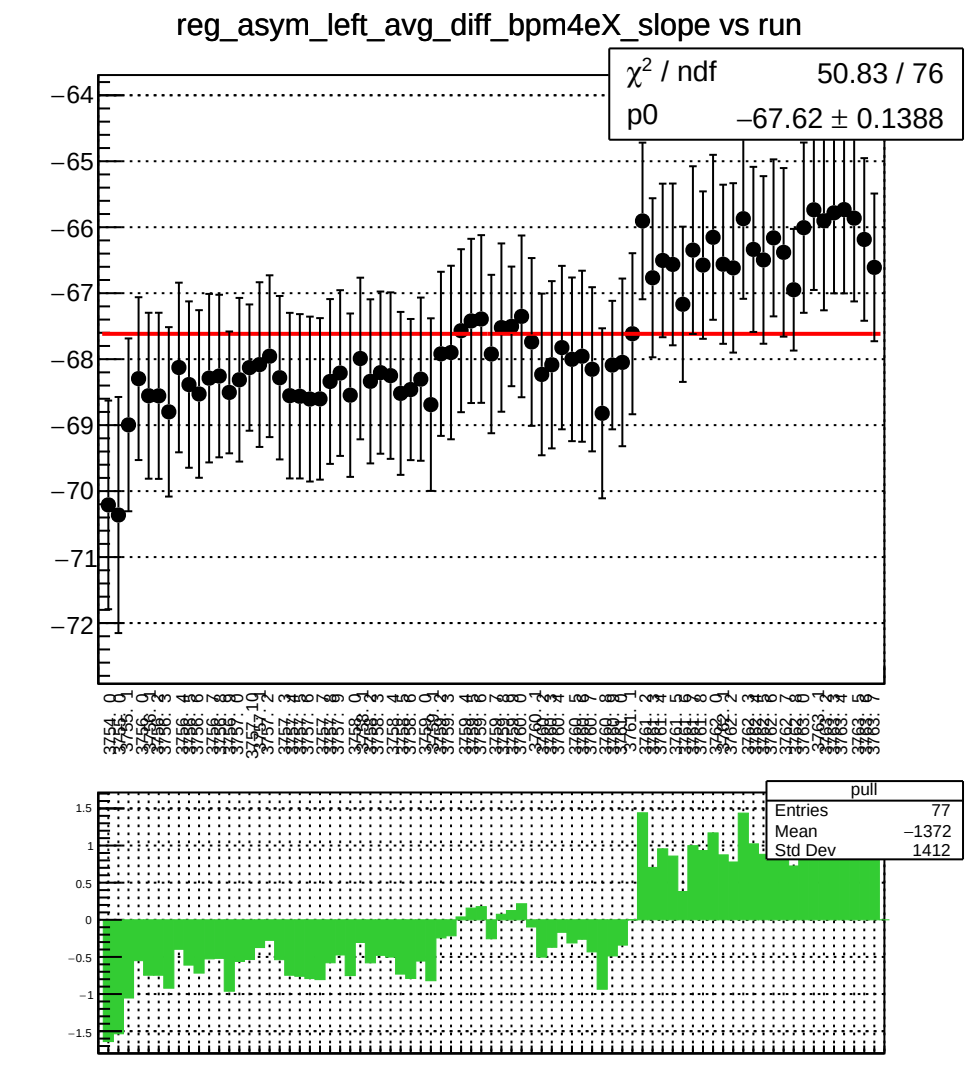

pull1D
Entries 77
Mean −0.001817
Std Dev 0.1943

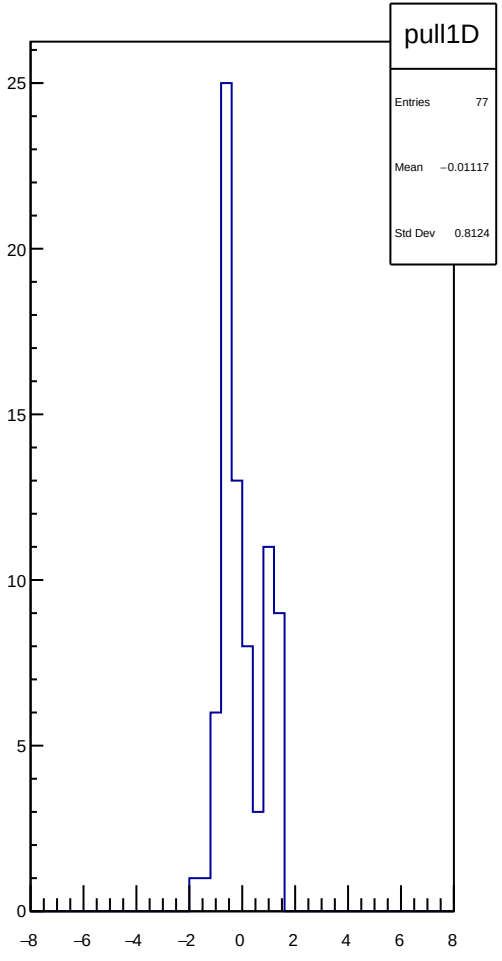

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.355 / 76
p0 17.9 ± 0.788
pull
Entries 77
Mean −987.2
Std Dev 1025

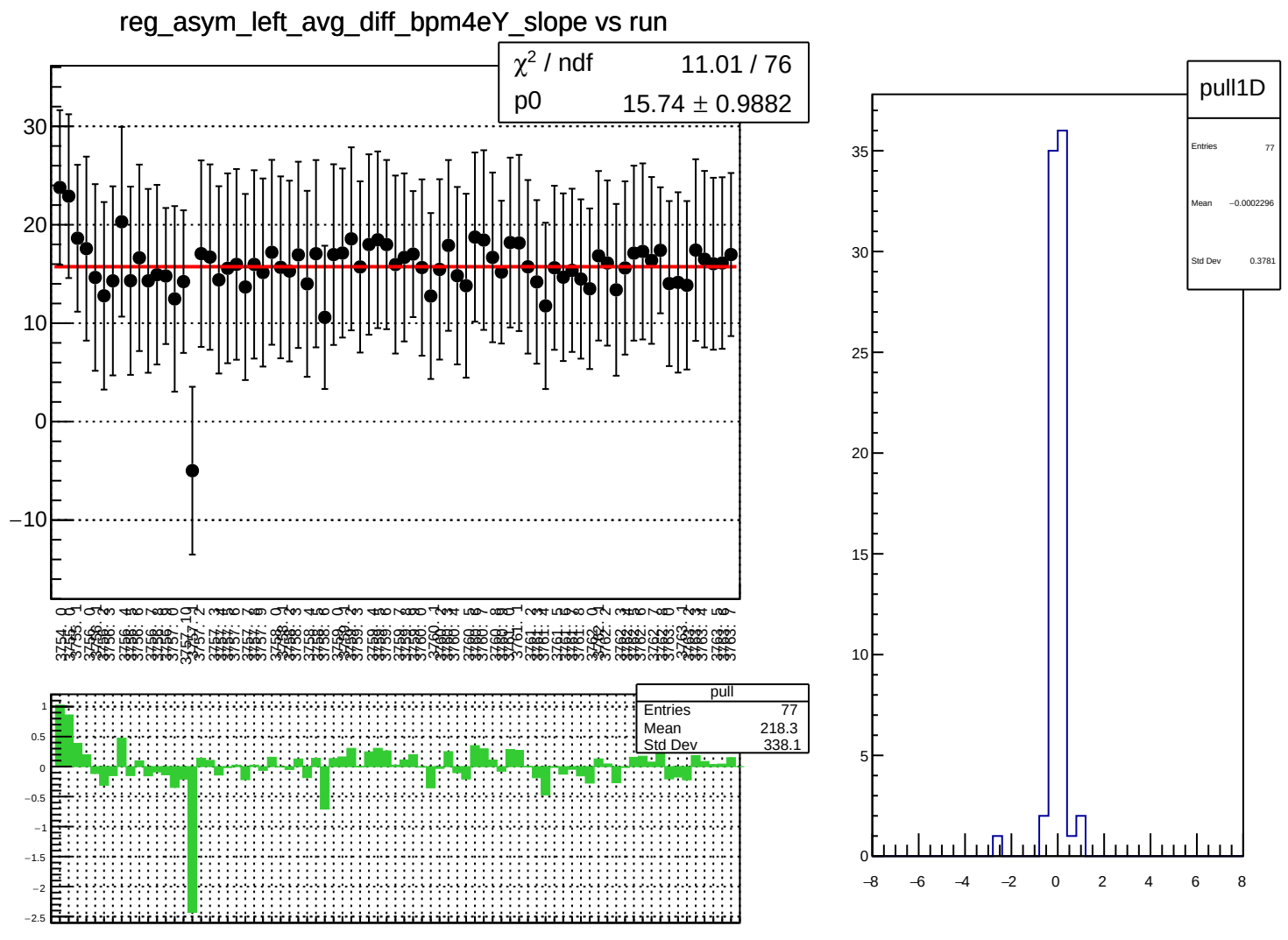

pull1D
Entries 77
Mean 0.001713
Std Dev 0.2637

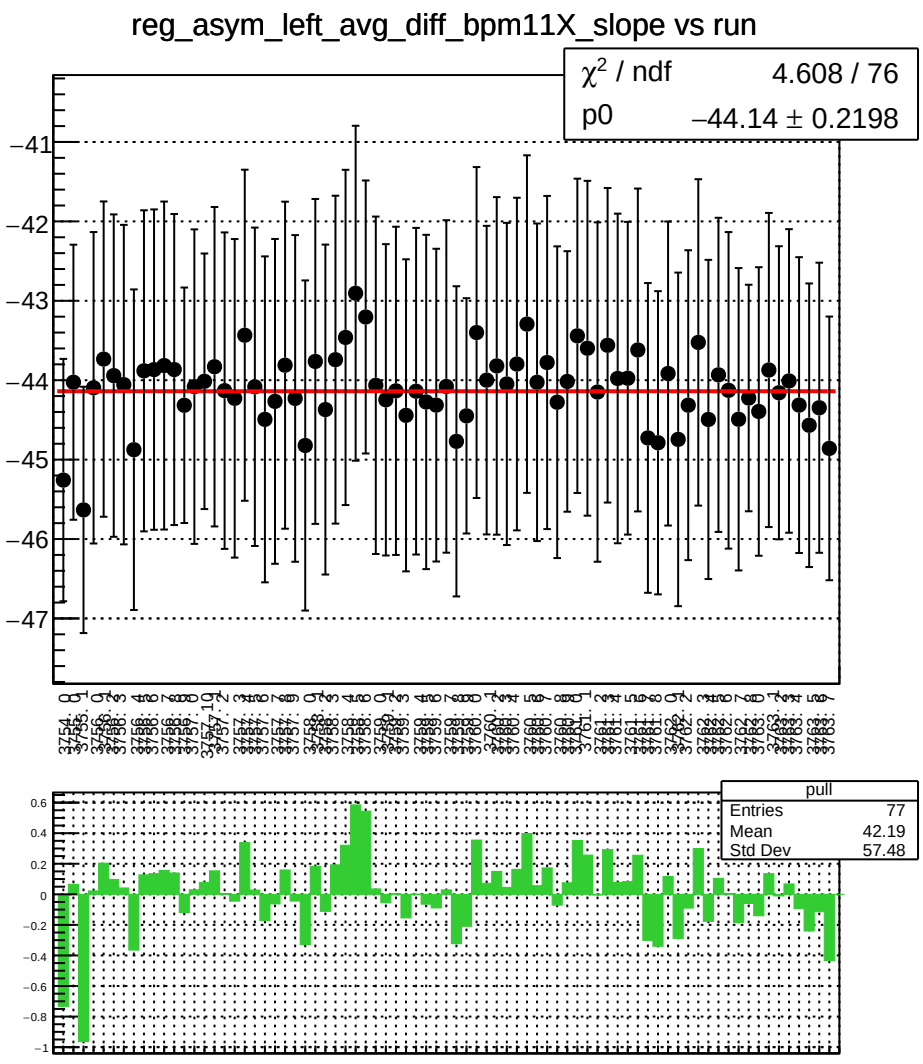

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.99 / 76
p0 −1.492 ± 0.6349
pull
Entries 77
Mean 4.908
Std Dev 53.67

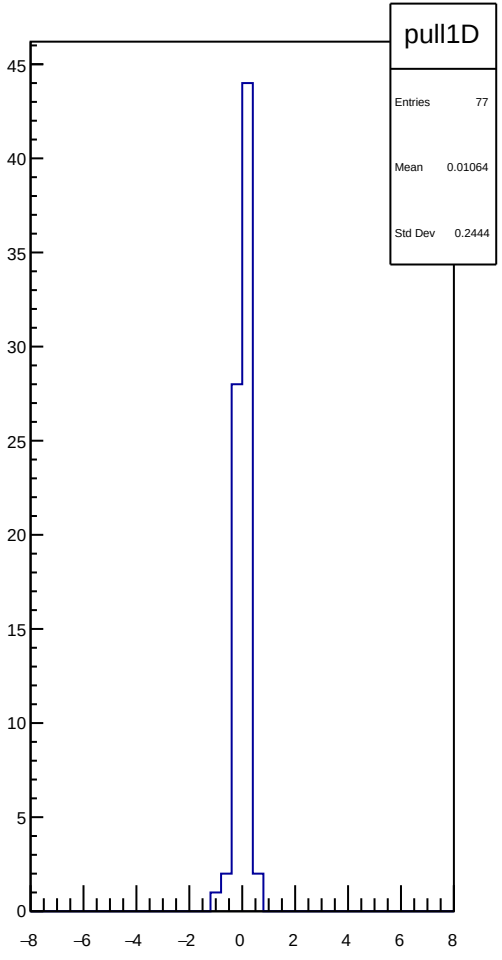

pull1D
Entries 77
Mean −0.007815
Std Dev 0.4107

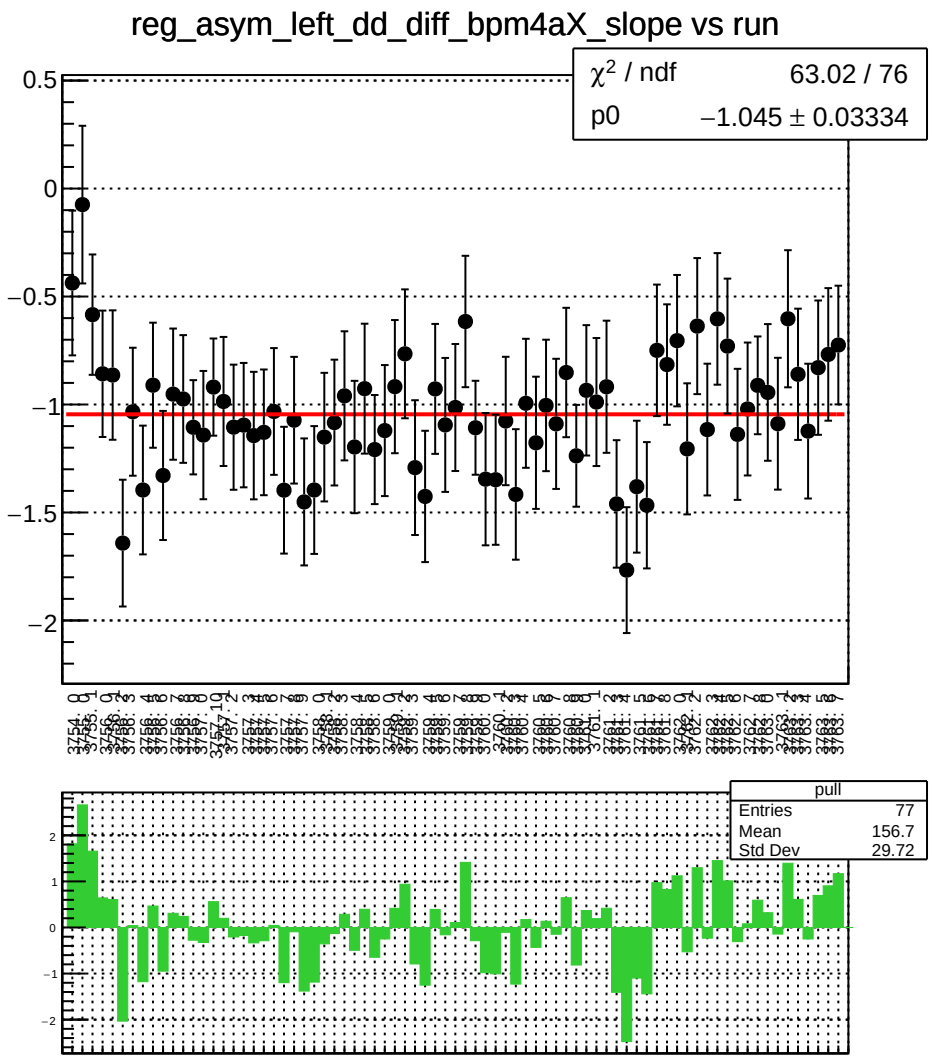

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.83 / 76
p0 −67.62 ± 0.1388
pull
Entries 77
Mean −1372
Std Dev 1412

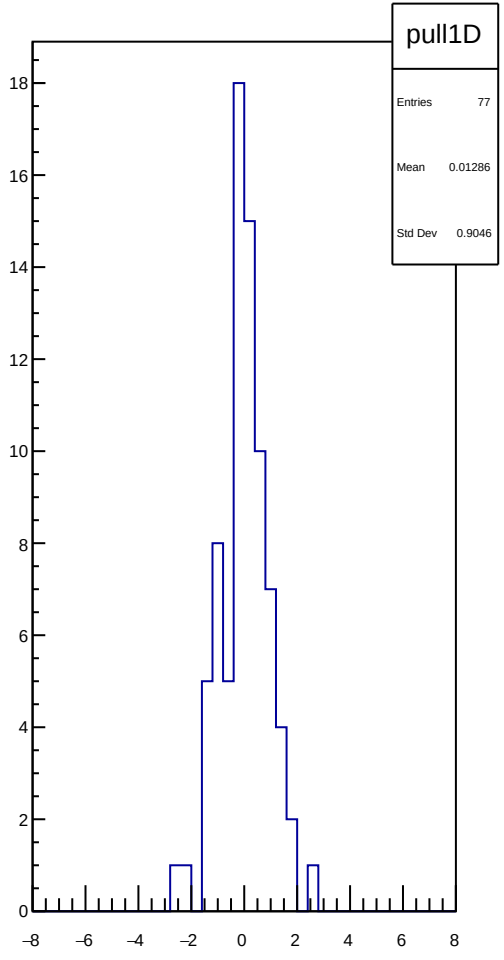

pull1D
Entries 77
Mean −0.01117
Std Dev 0.8124

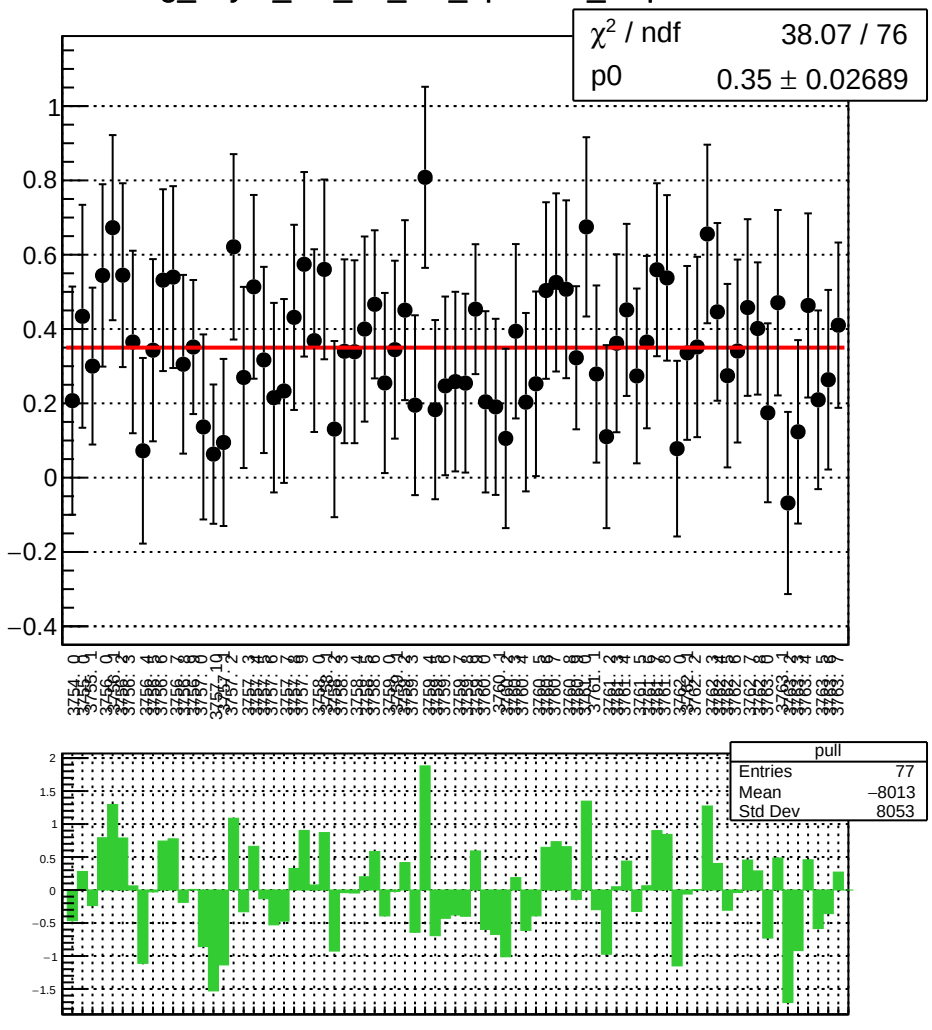

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.01 / 76
p0 15.74 ± 0.9882
pull
Entries 77
Mean 218.3
Std Dev 338.1
pull1D
Entries 77
Mean −0.0002296
Std Dev 0.3781

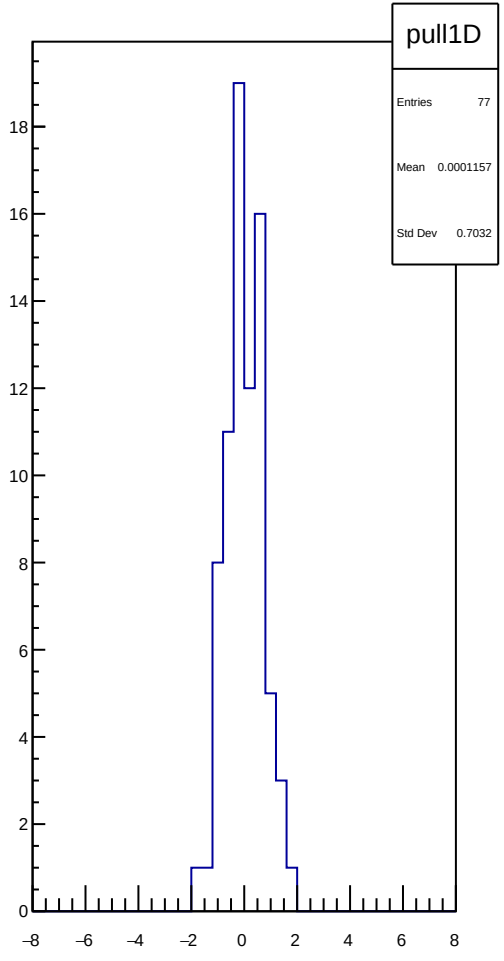

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 4.608 / 76
p0 −44.14 ± 0.2198
pull
Entries 77
Mean 42.19
Std Dev 57.48

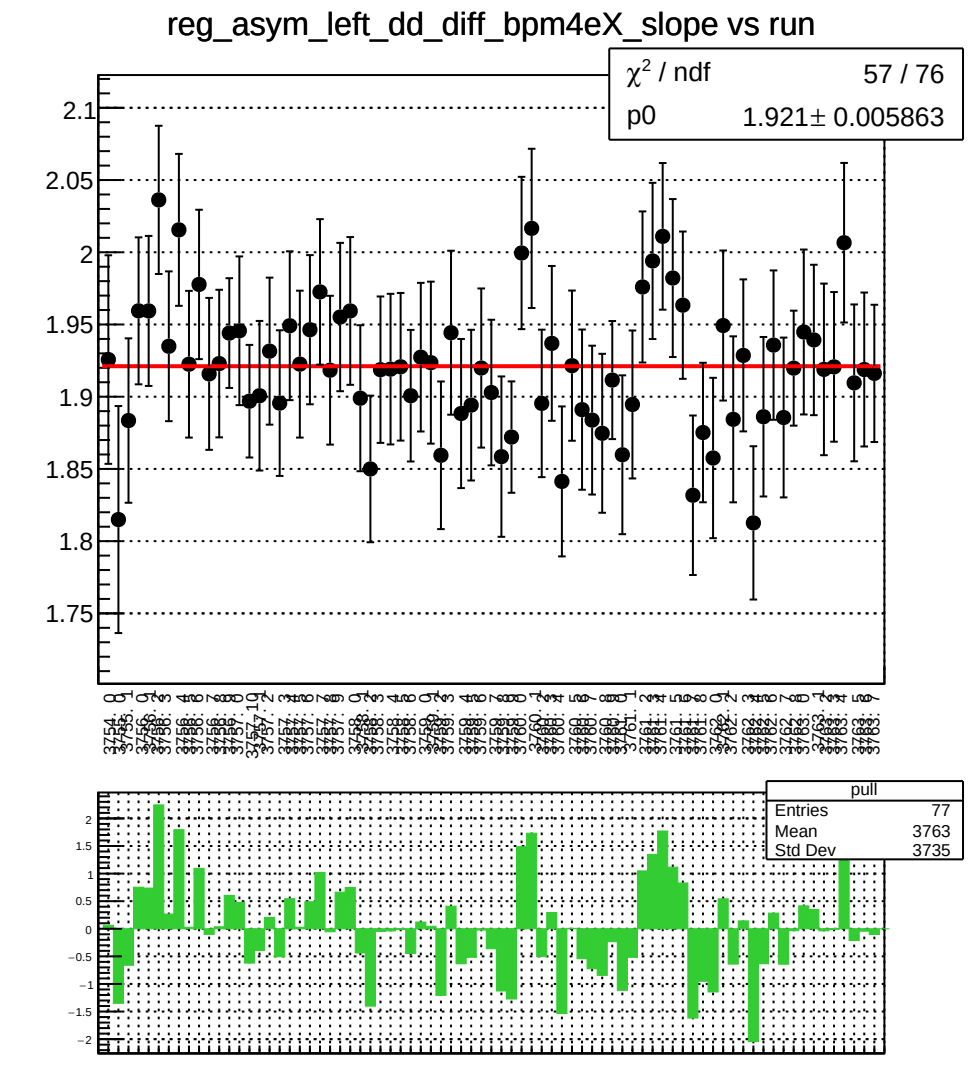

pull1D
Entries 77
Mean 0.01064
Std Dev 0.2444

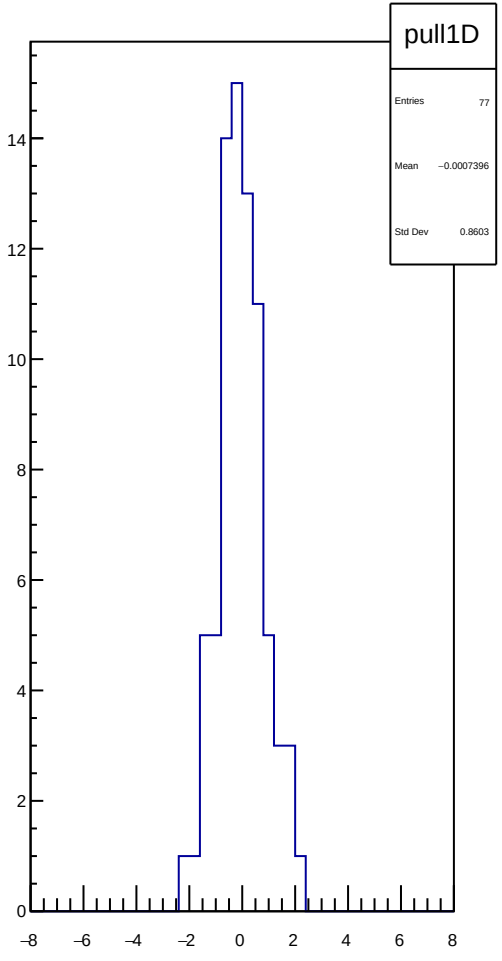

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 63.02 / 76
p0 −1.045 ± 0.03334
pull
Entries 77
Mean 156.7
Std Dev 29.72

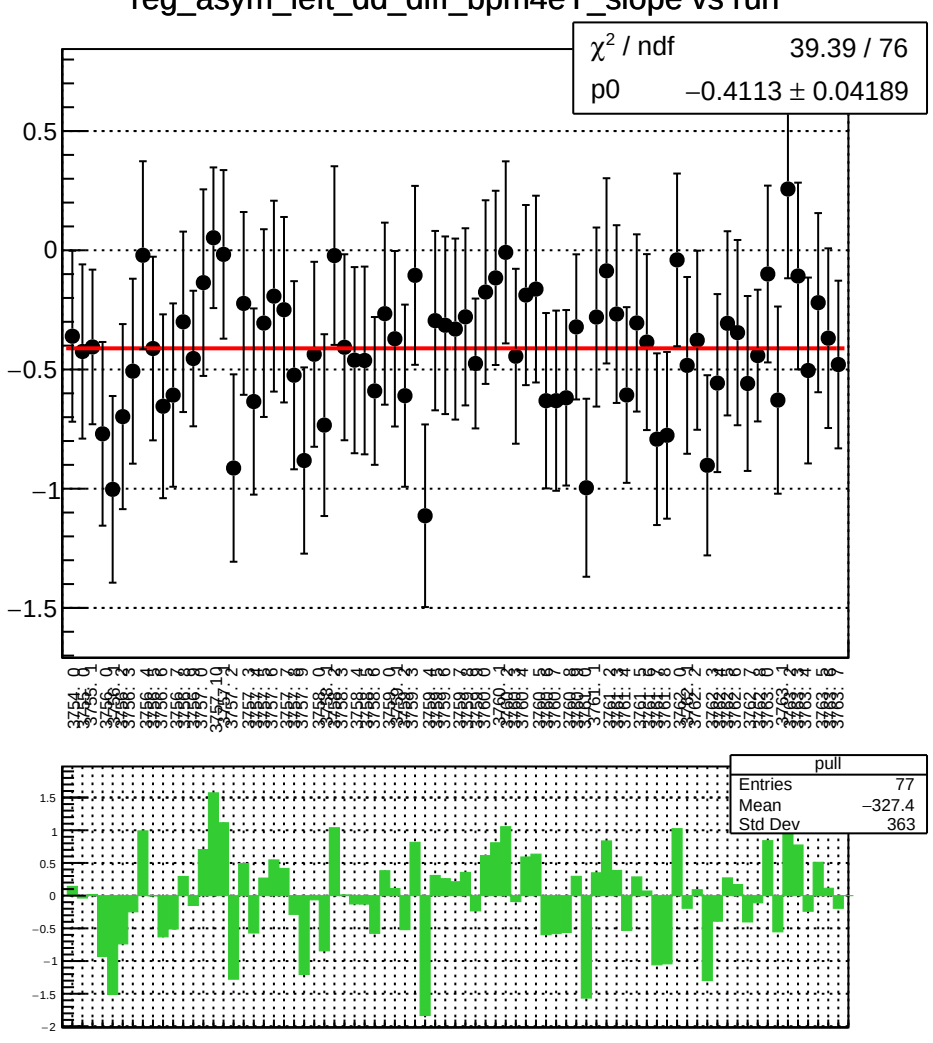

pull1D
Entries 77
Mean 0.01286
Std Dev 0.9046

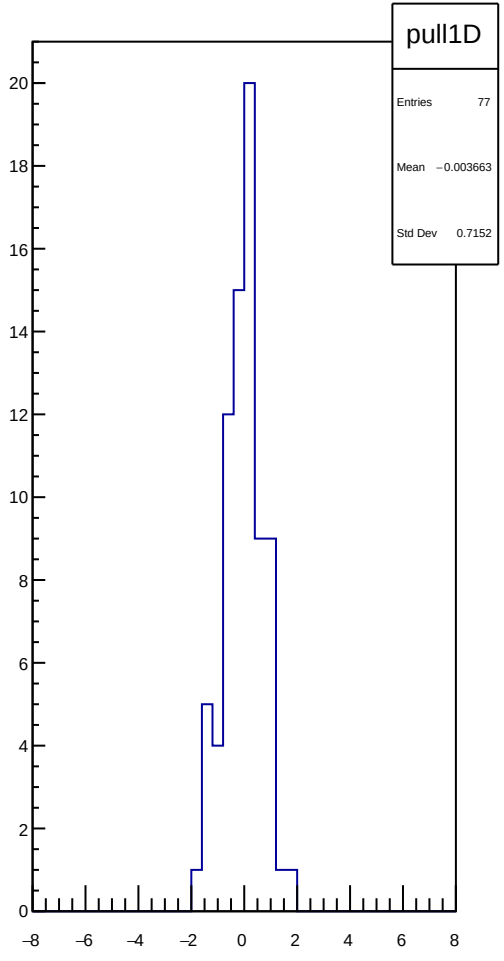

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.07 / 76
p0 0.35 ± 0.02689
pull
Entries 77
Mean −8013
Std Dev 8053

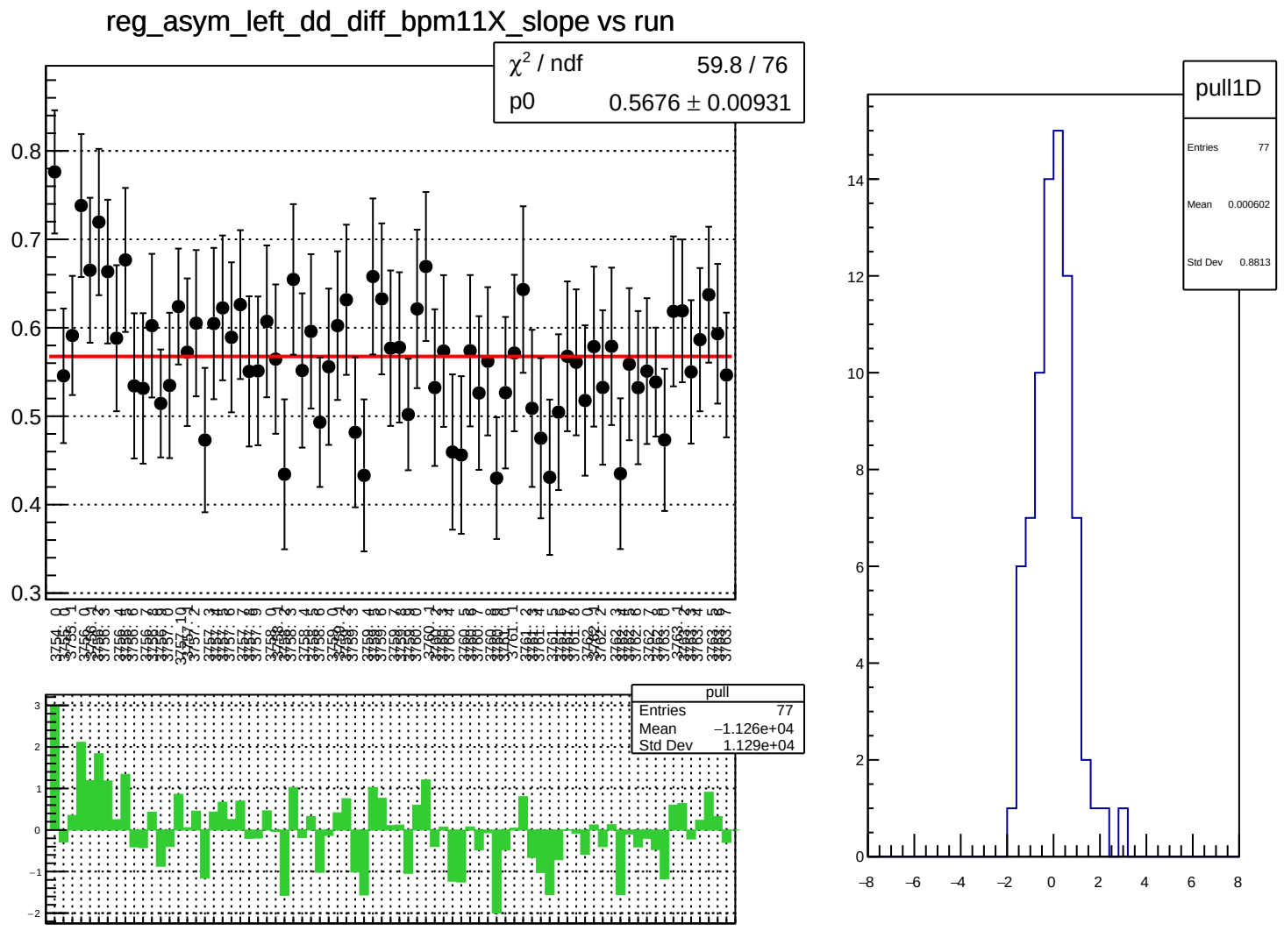

pull1D
Entries 77
Mean 0.0001157
Std Dev 0.7032

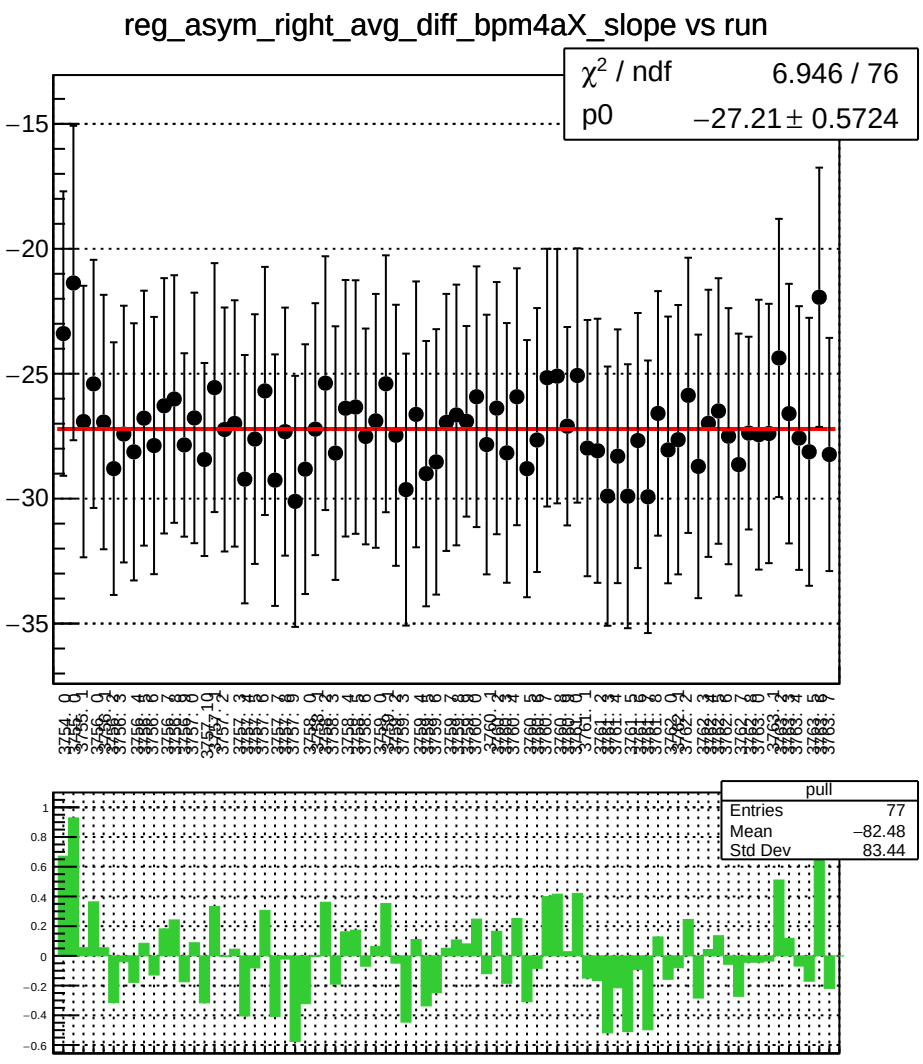

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 57 / 76
p0 1.921± 0.005863
pull
Entries 77
Mean 3763
Std Dev 3735

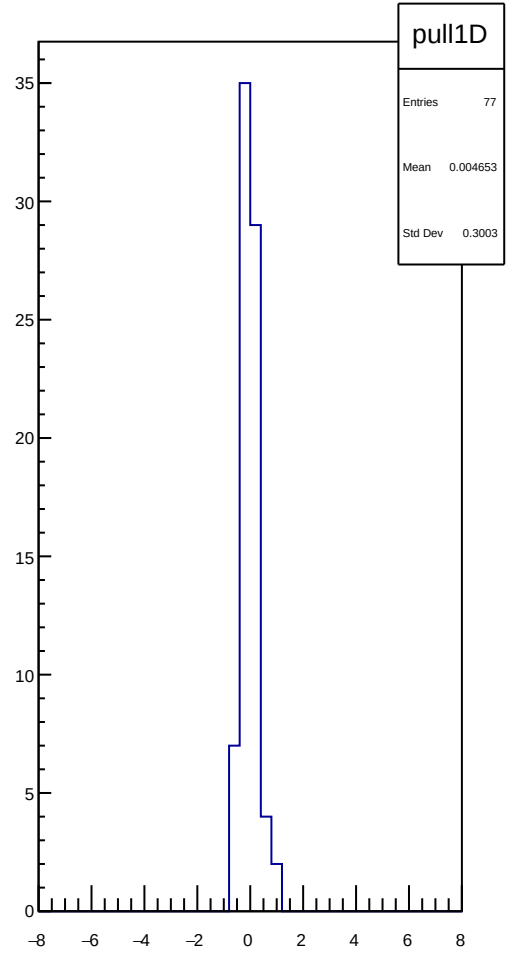

pull1D
Entries 77
Mean −0.0007396
Std Dev 0.8603

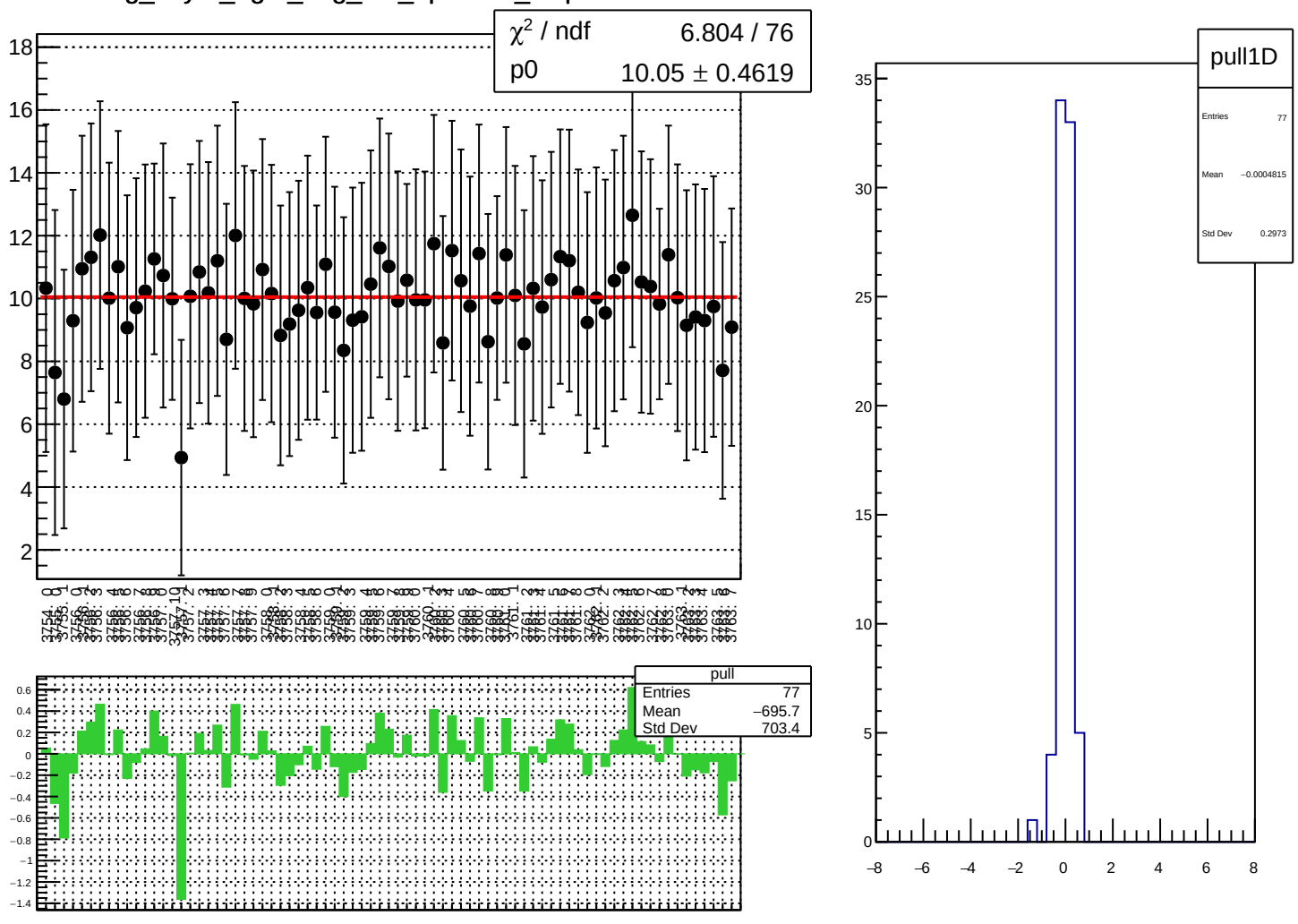

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.39 / 76
p0 −0.4113 ± 0.04189
pull
Entries 77
Mean −327.4
Std Dev 363

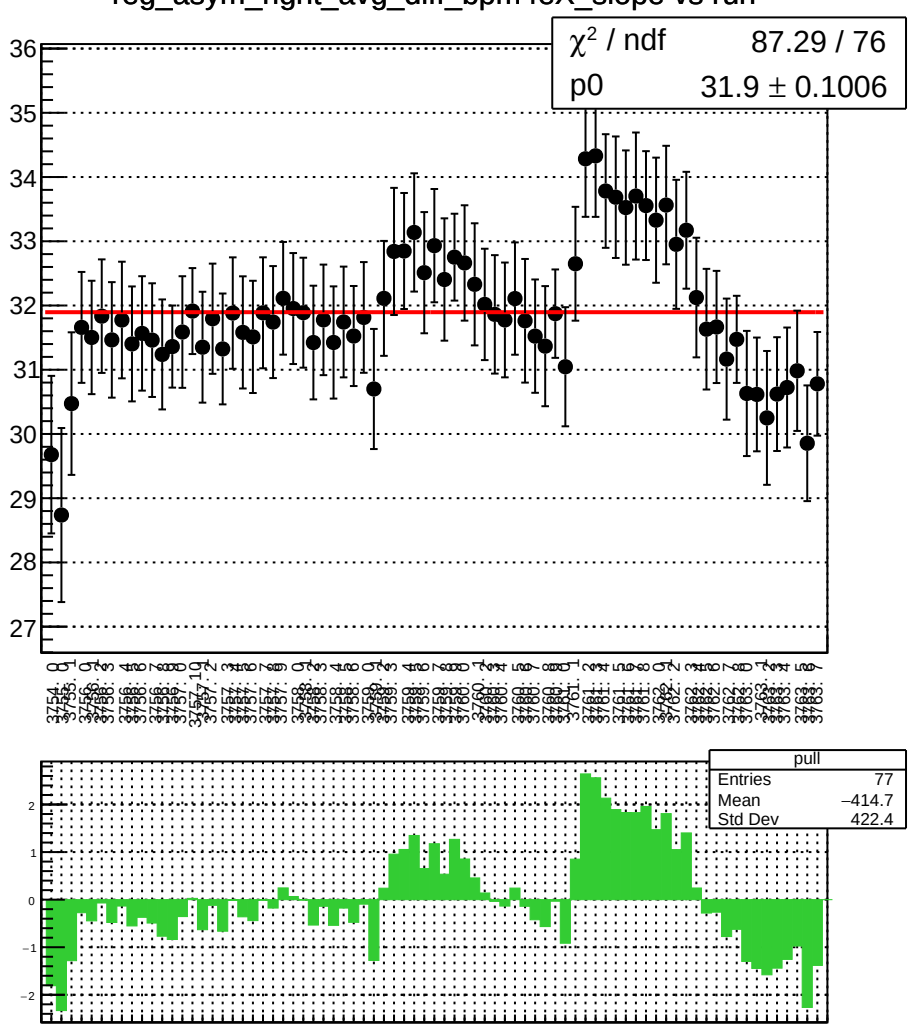

pull1D
Entries 77
Mean −0.003663
Std Dev 0.7152

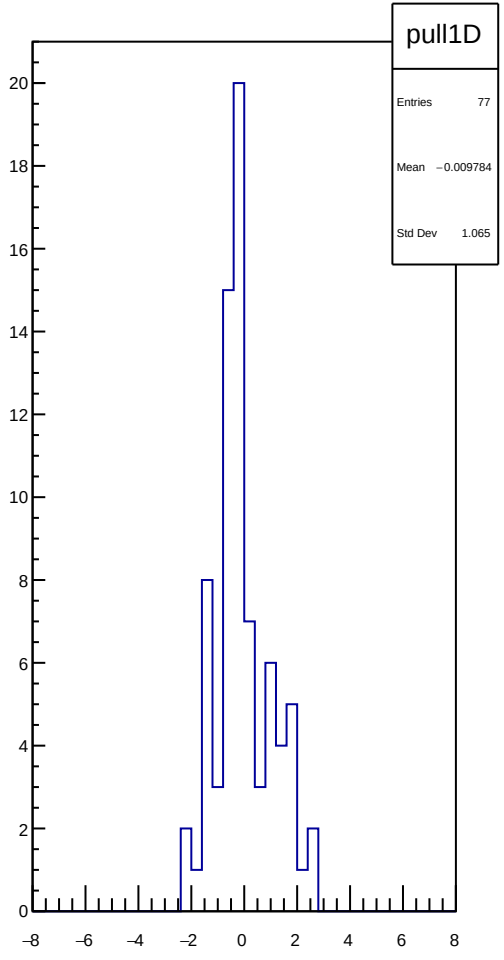

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 59.8 / 76
p0 0.5676 ± 0.00931
pull
Entries 77
Mean −1.126e+04
Std Dev 1.129e+04
pull1D
Entries 77
Mean 0.000602
Std Dev 0.8813

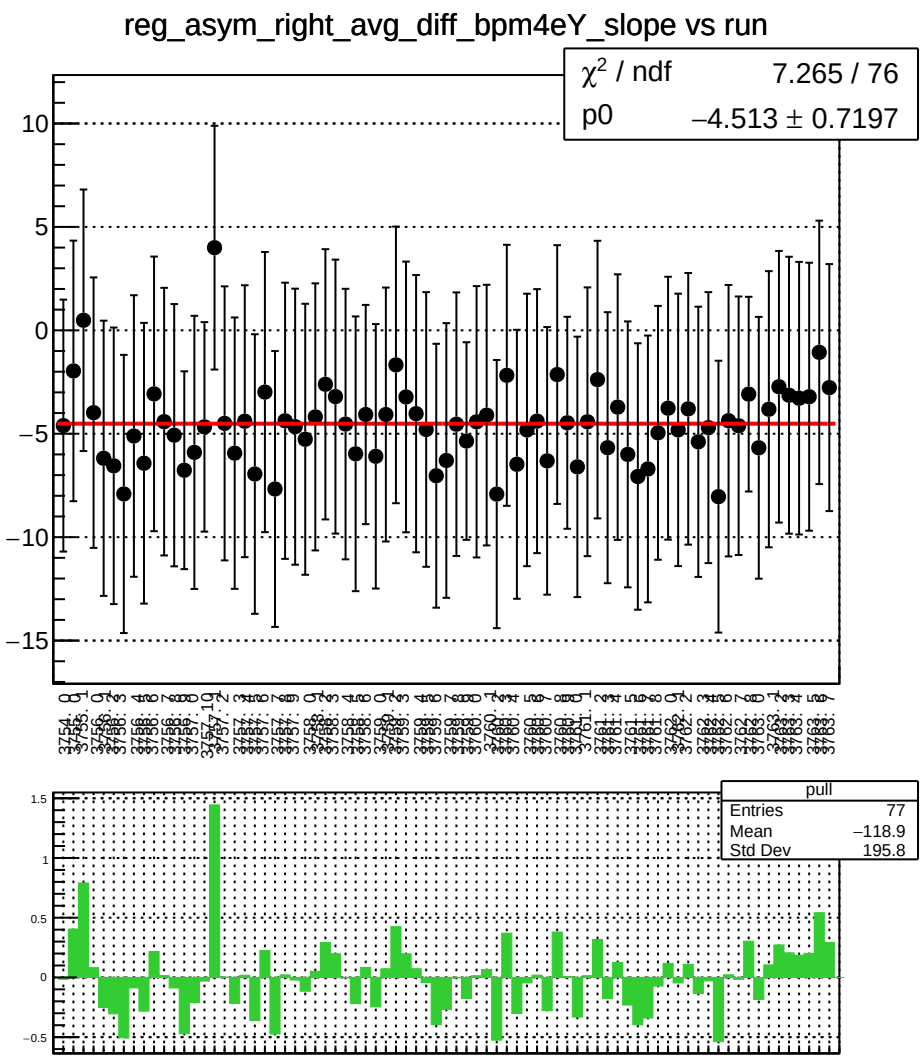

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 6.946 / 76
p0 −27.21 ± 0.5724
pull
Entries 77
Mean −82.48
Std Dev 83.44

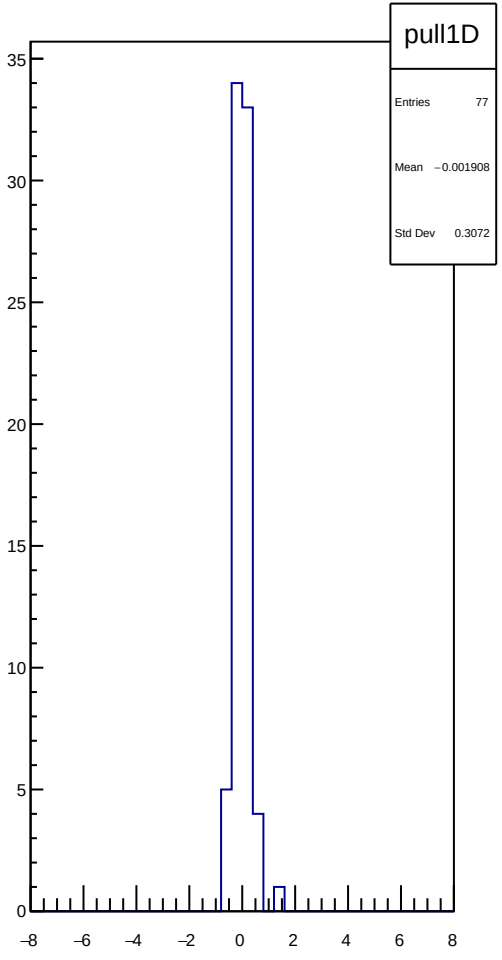

pull1D
Entries 77
Mean 0.004653
Std Dev 0.3003

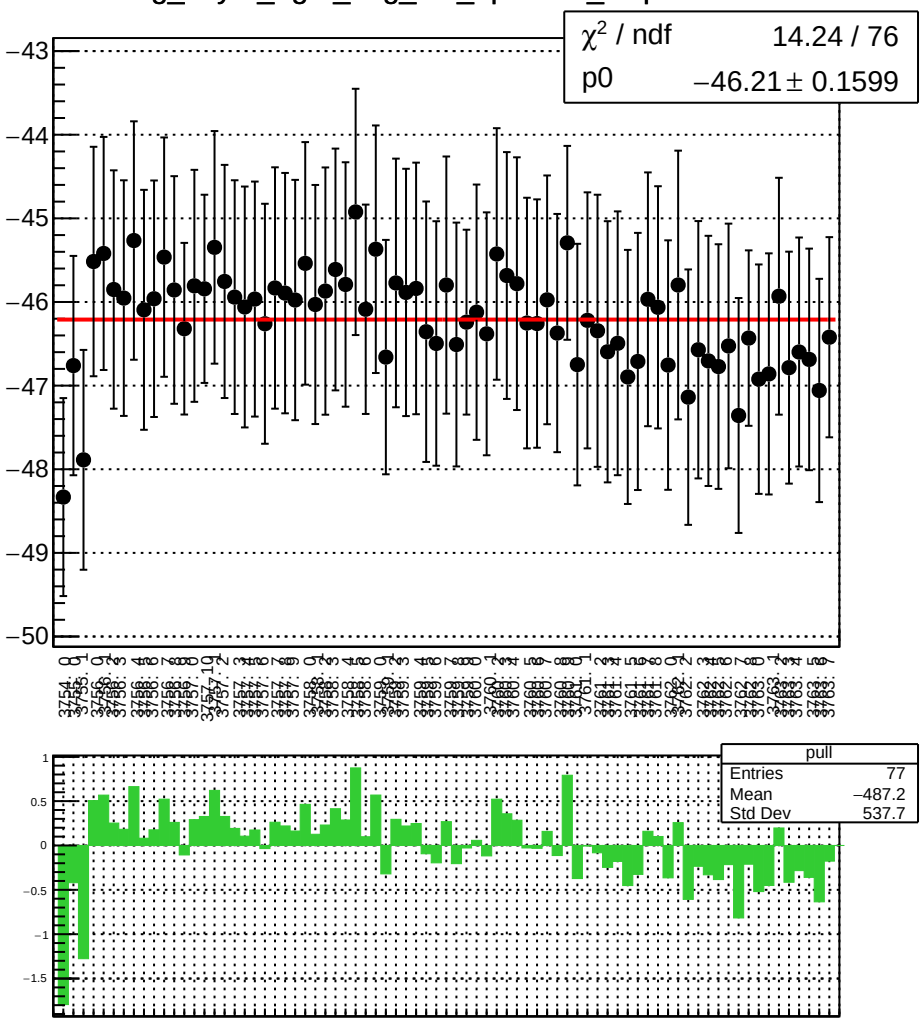

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.804 / 76
p0 10.05 ± 0.4619
pull
Entries 77
Mean −695.7
Std Dev 703.4
pull1D
Entries 77
Mean −0.0004815
Std Dev 0.2973

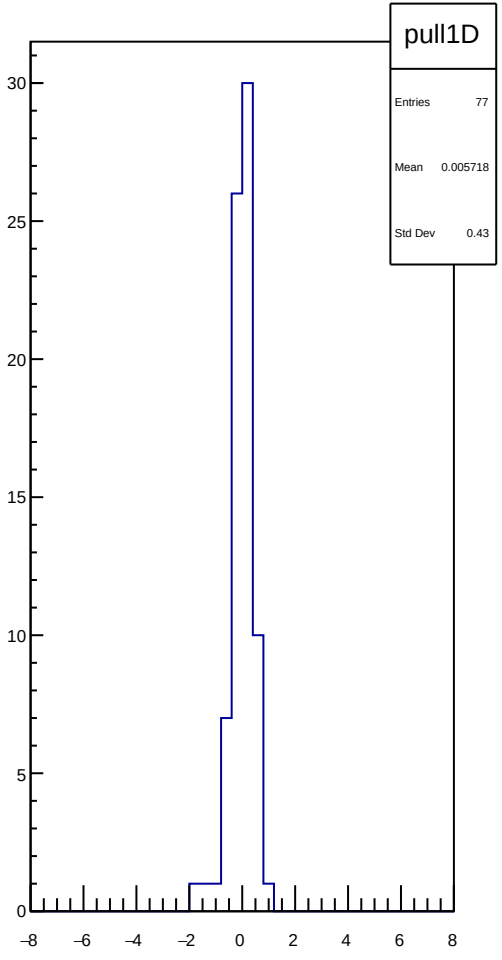

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 87.29 / 76
p0 31.9 ± 0.1006
pull
Entries 77
Mean −414.7
Std Dev 422.4

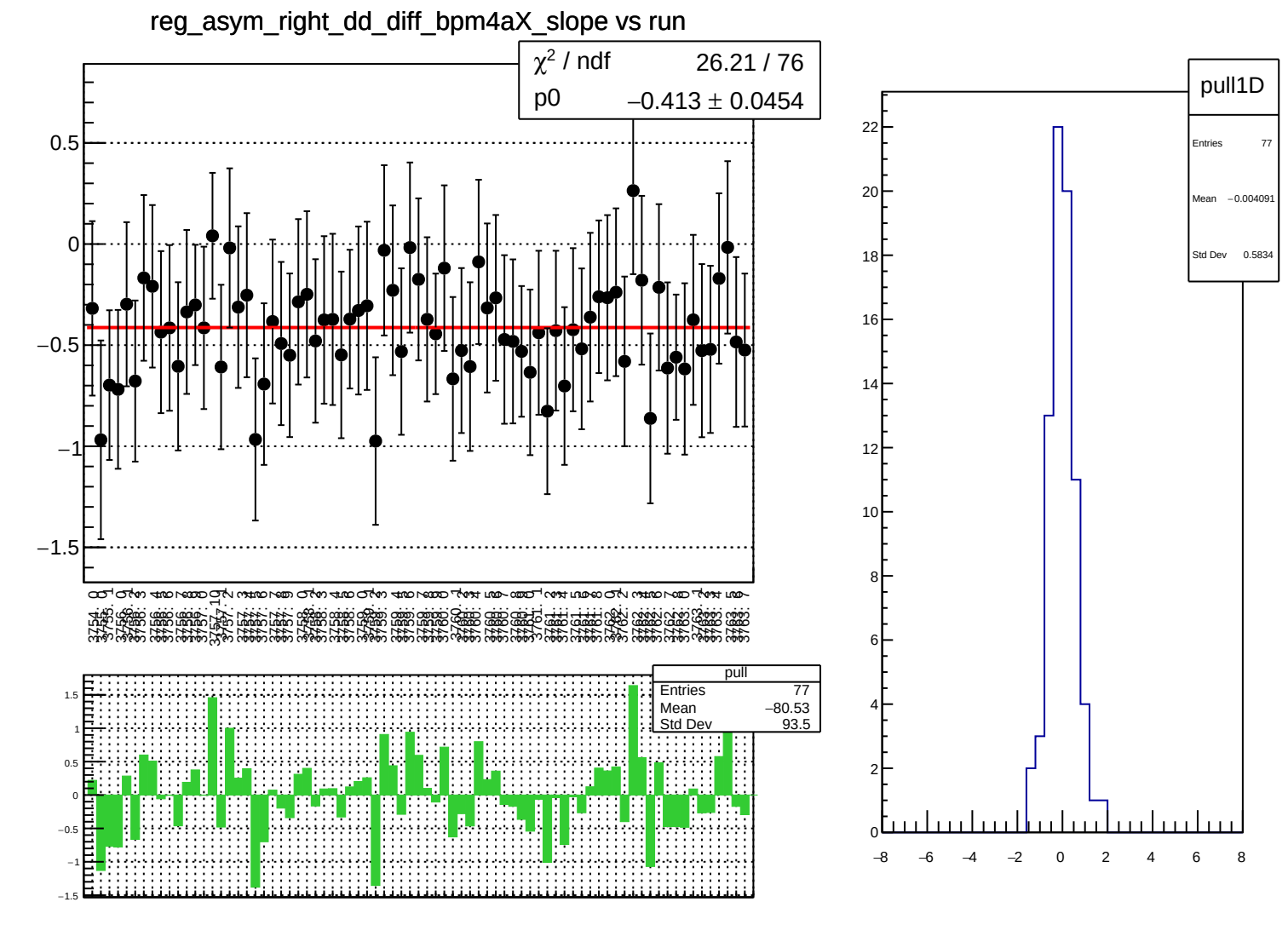

pull1D
Entries 77
Mean −0.009784
Std Dev 1.065

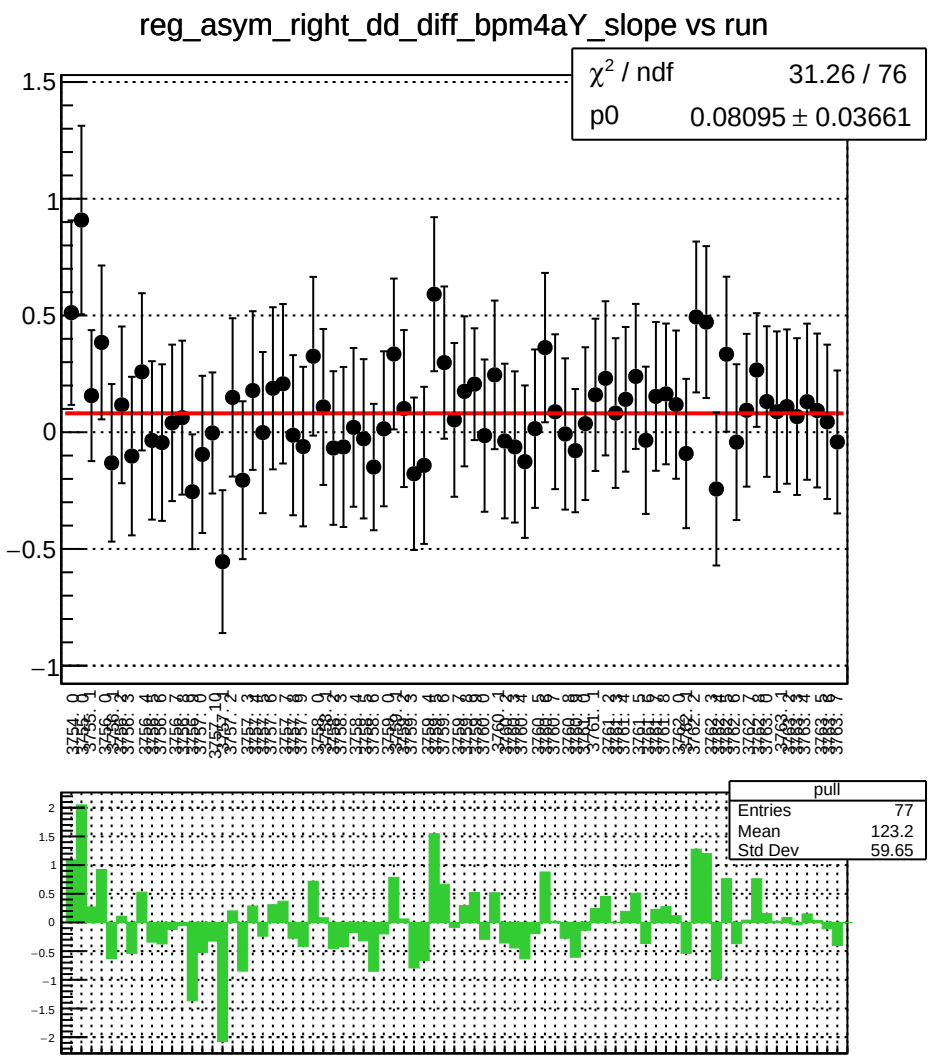

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.265 / 76
p0 −4.513 ± 0.7197
pull
Entries 77
Mean −118.9
Std Dev 195.8

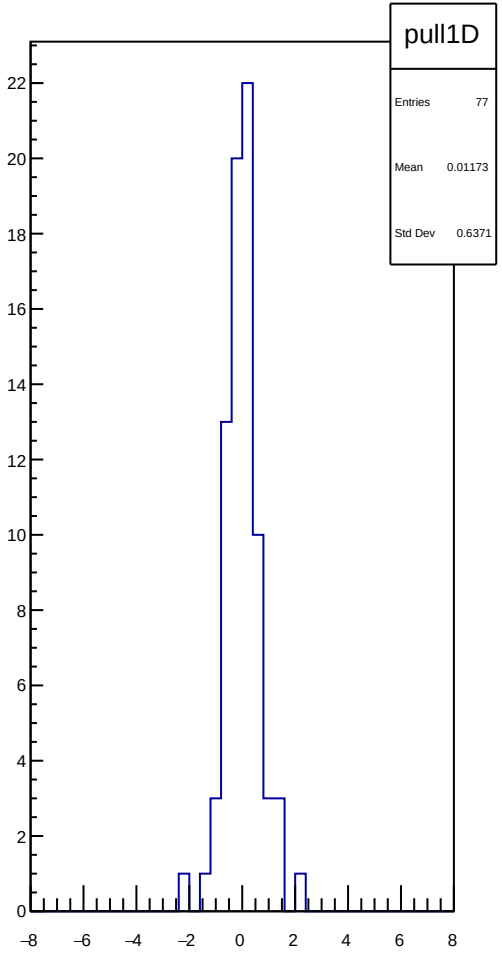

pull1D
Entries 77
Mean −0.001908
Std Dev 0.3072

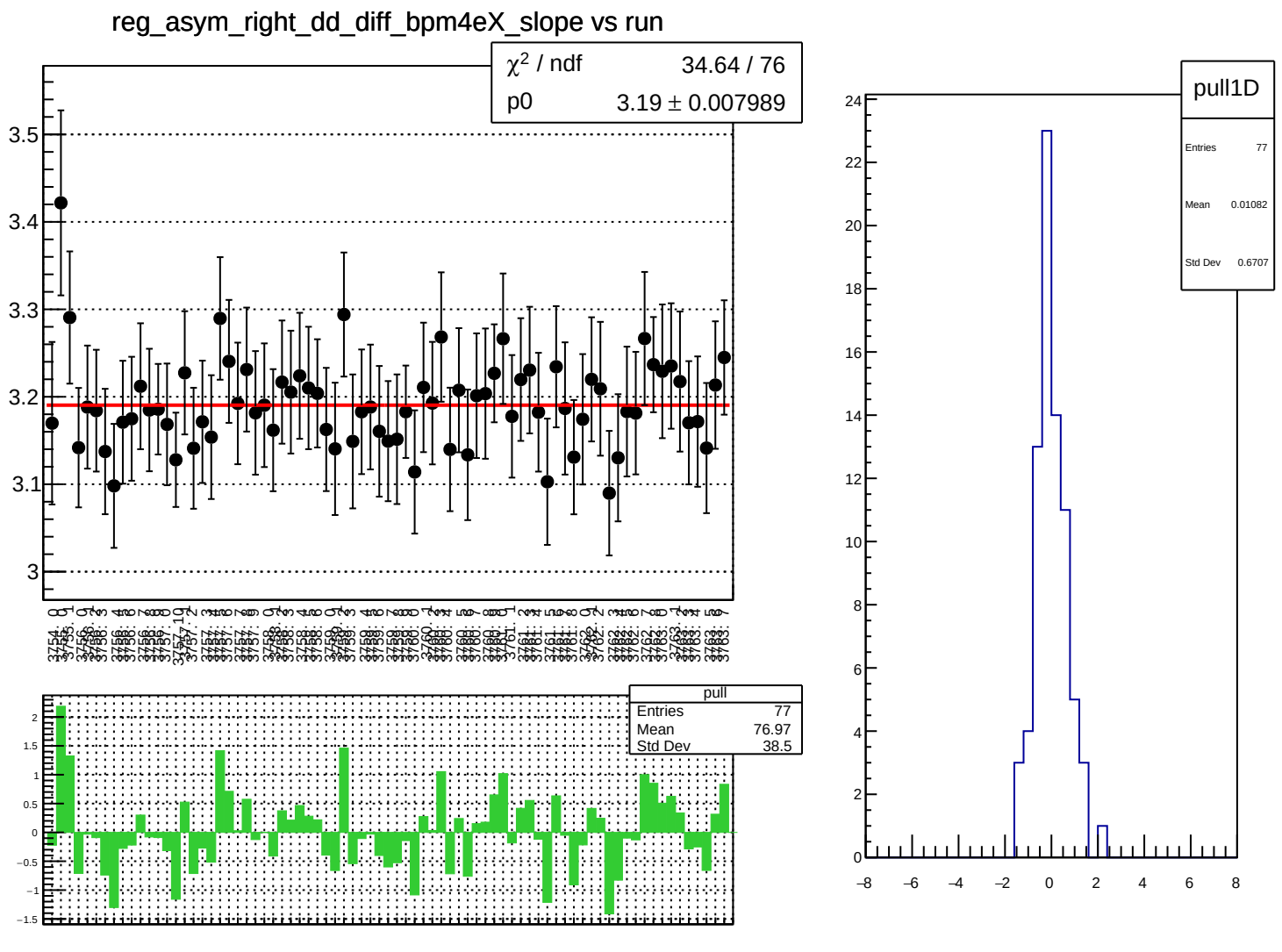

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 14.24 / 76
p0 −46.21 ± 0.1599
pull
Entries 77
Mean −487.2
Std Dev 537.7

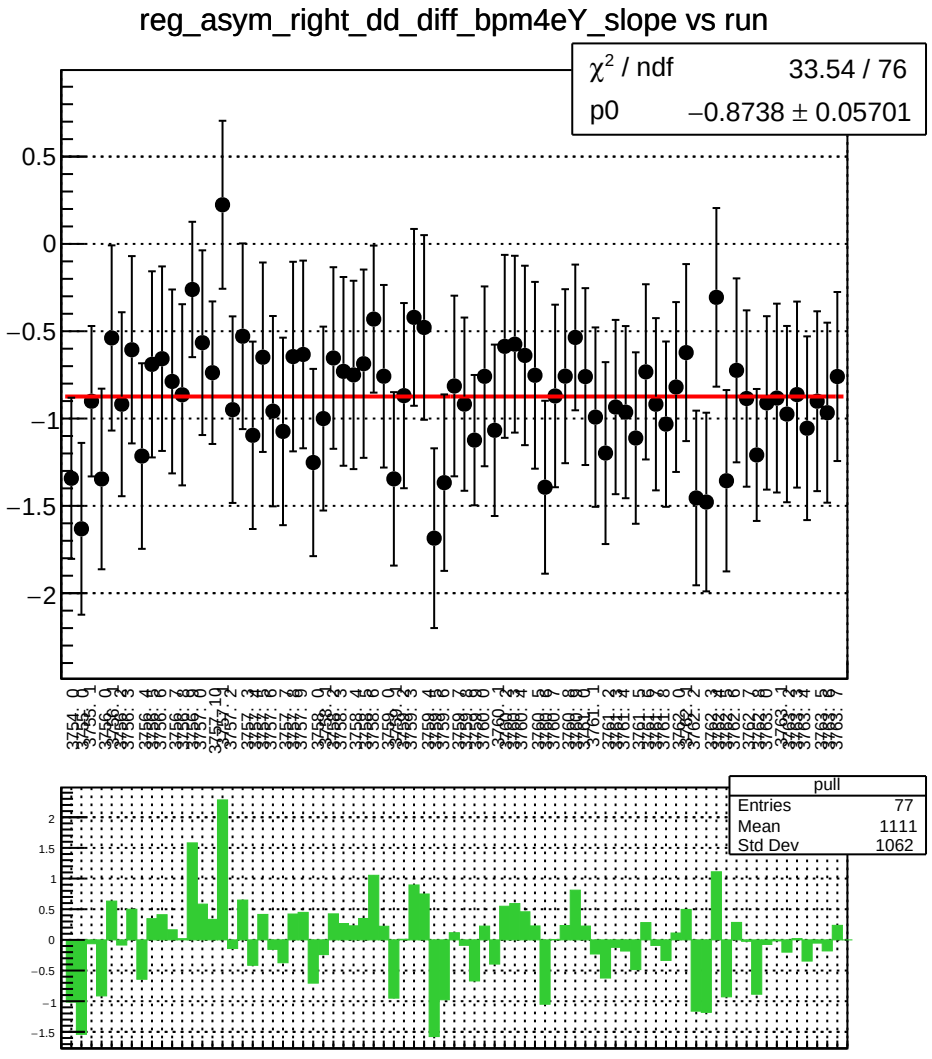

pull1D
Entries 77
Mean 0.005718
Std Dev 0.43

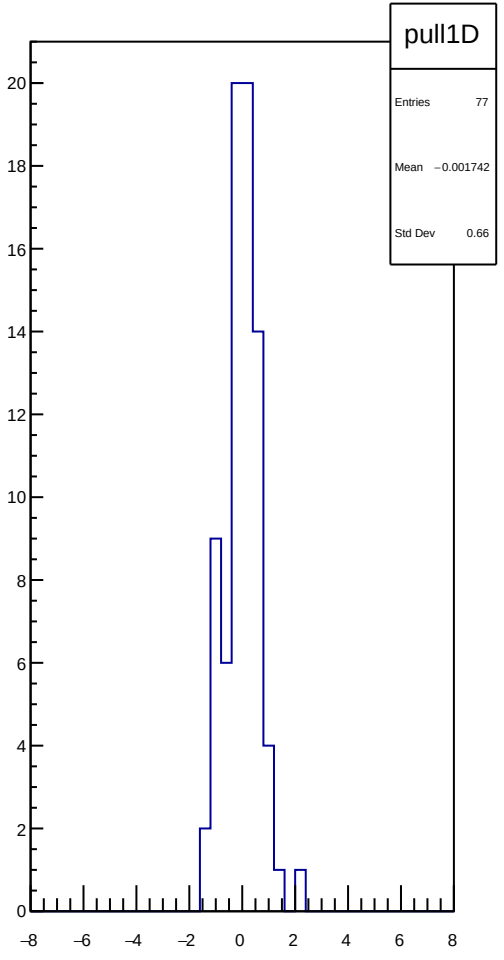

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 26.21 / 76
p0 −0.413 ± 0.0454
pull
Entries 77
Mean −80.53
Std Dev 93.5
pull1D
Entries 77
Mean −0.004091
Std Dev 0.5834

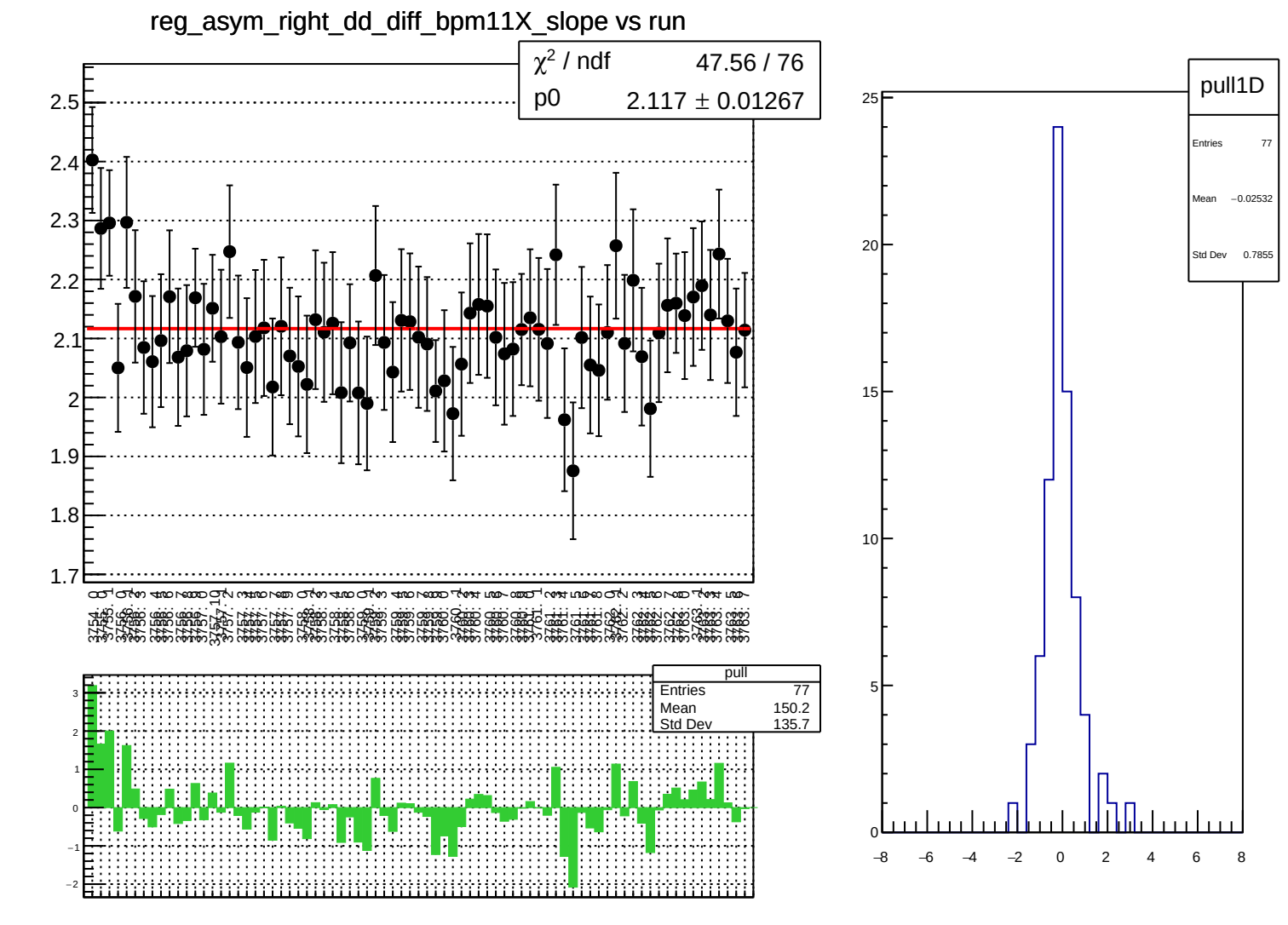

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.26 / 76
p0 0.08095 ± 0.03661
pull
Entries 77
Mean 123.2
Std Dev 59.65

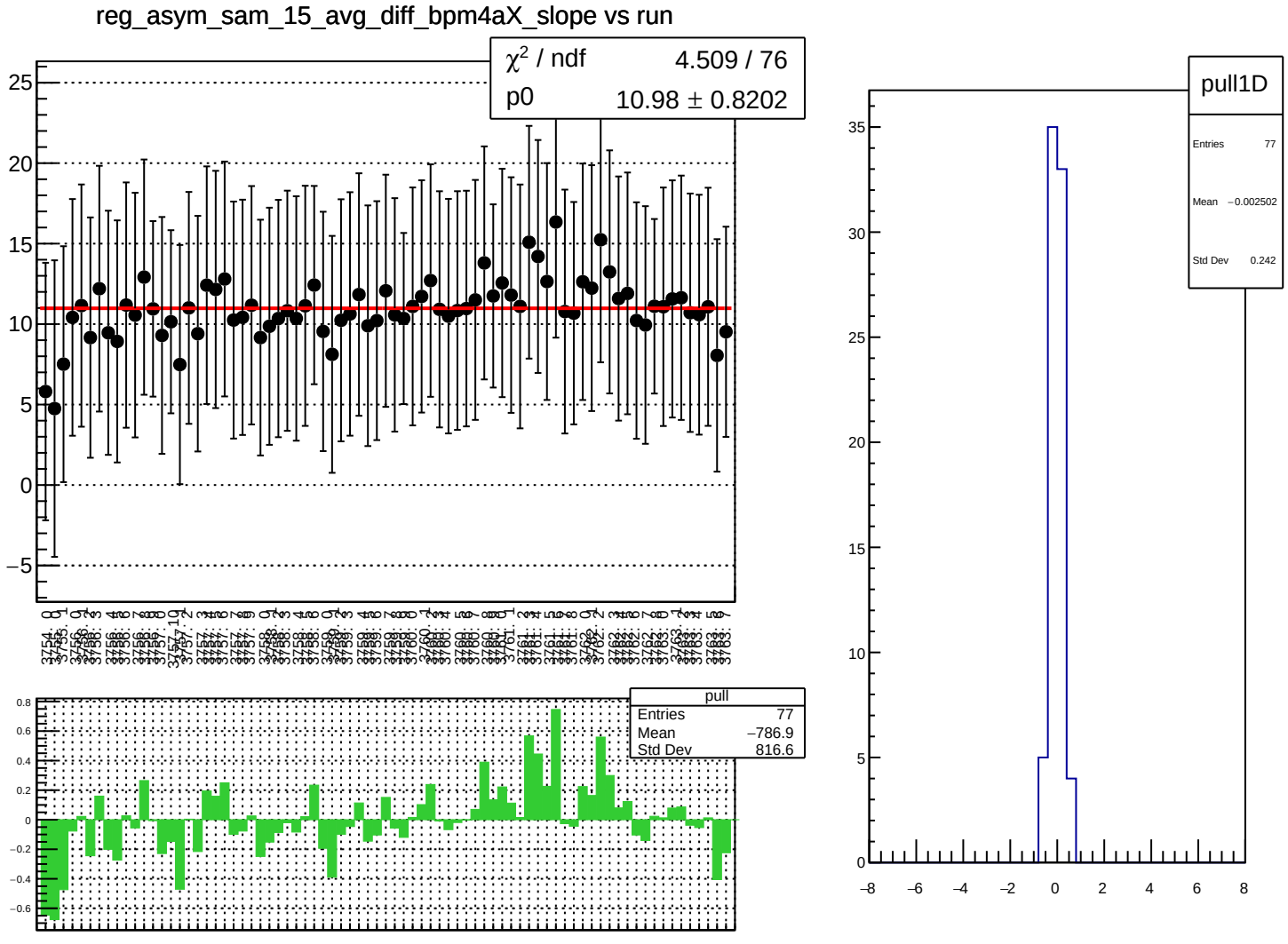

pull1D
Entries 77
Mean 0.01173
Std Dev 0.6371

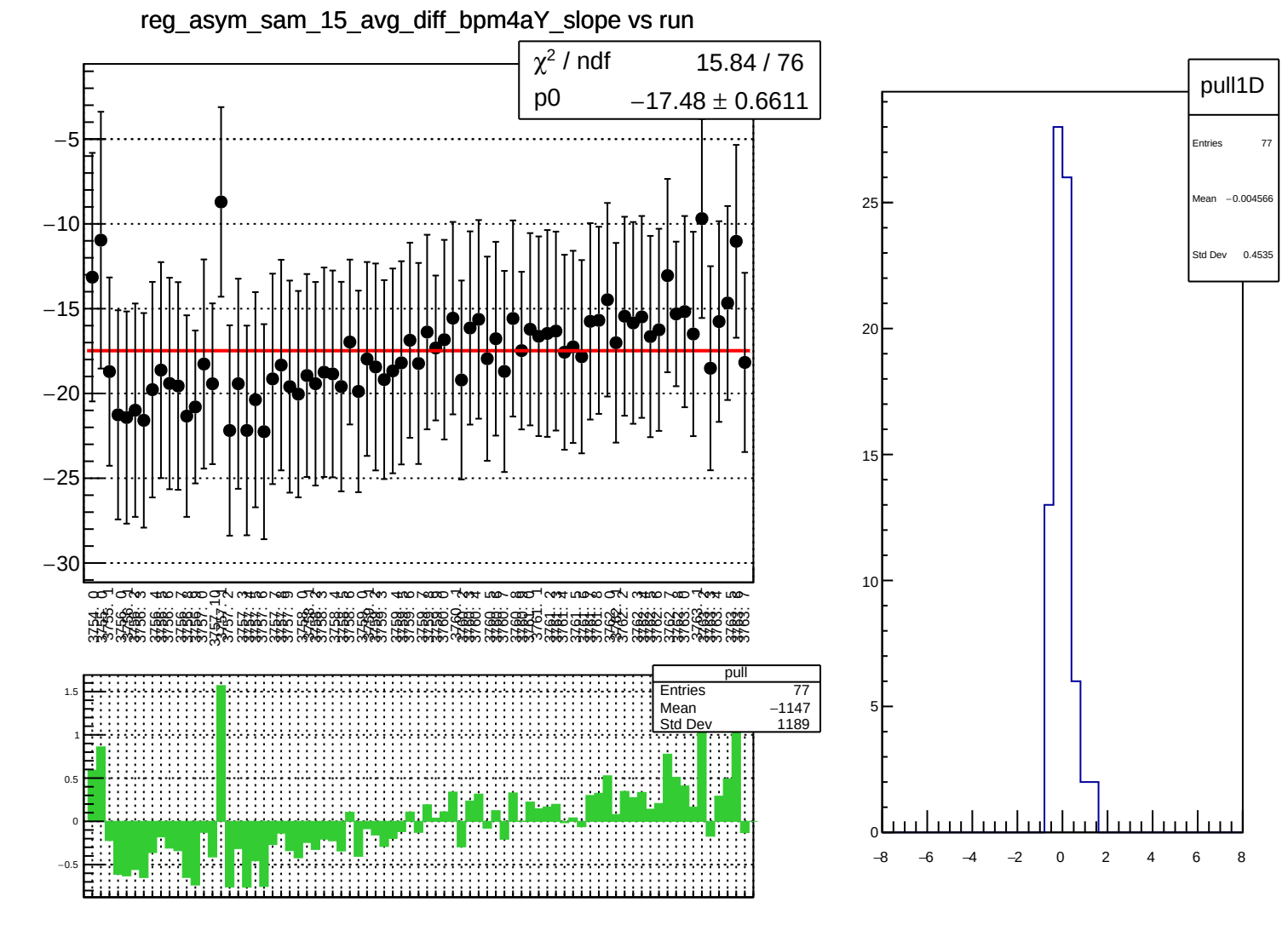

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.64 / 76
p0 3.19 ± 0.007989
pull
Entries 77
Mean 76.97
Std Dev 38.5
pull1D
Entries 77
Mean 0.01082
Std Dev 0.6707

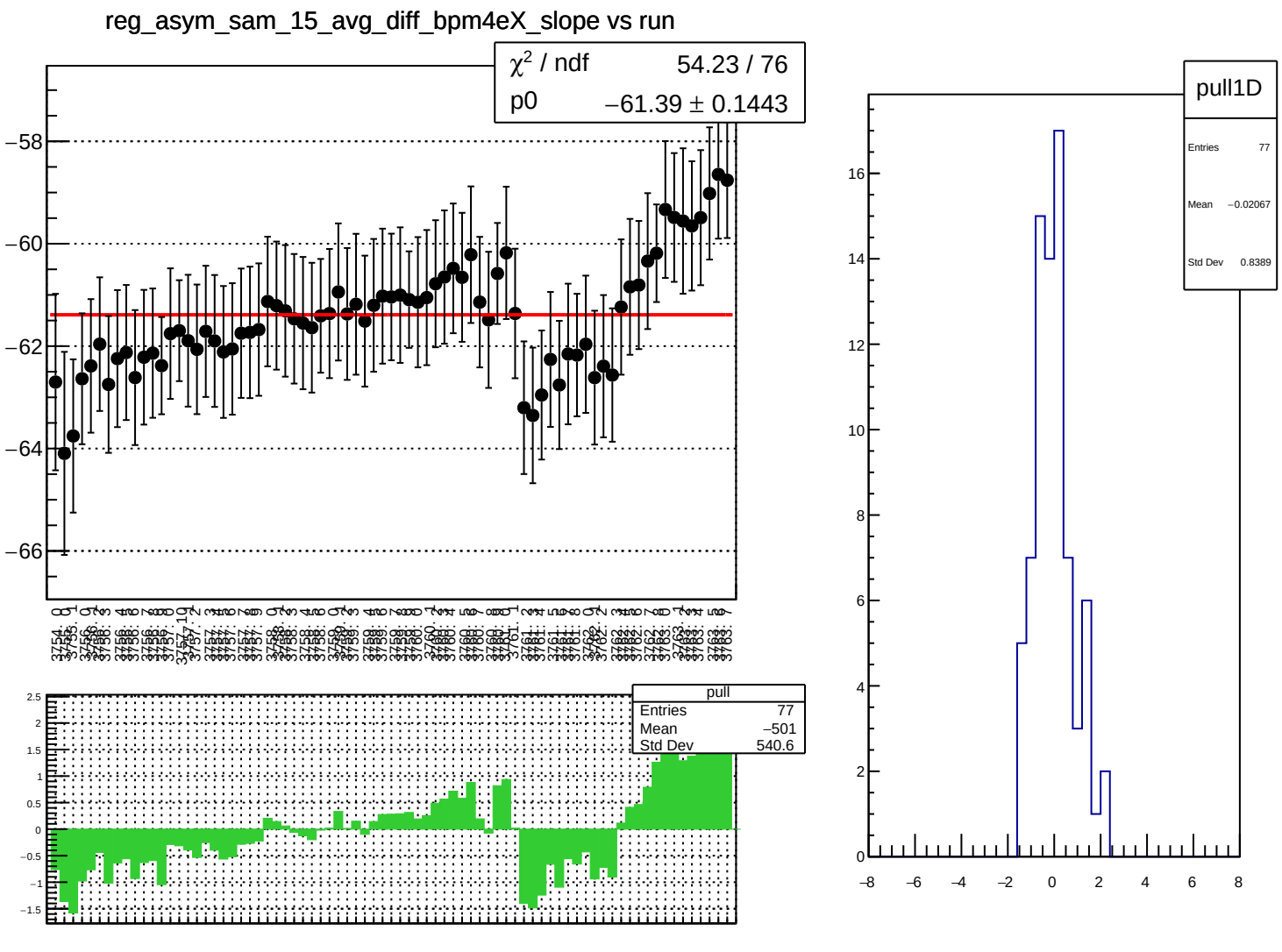

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.54 / 76
p0 −0.8738 ± 0.05701
pull
Entries 77
Mean 1111
Std Dev 1062

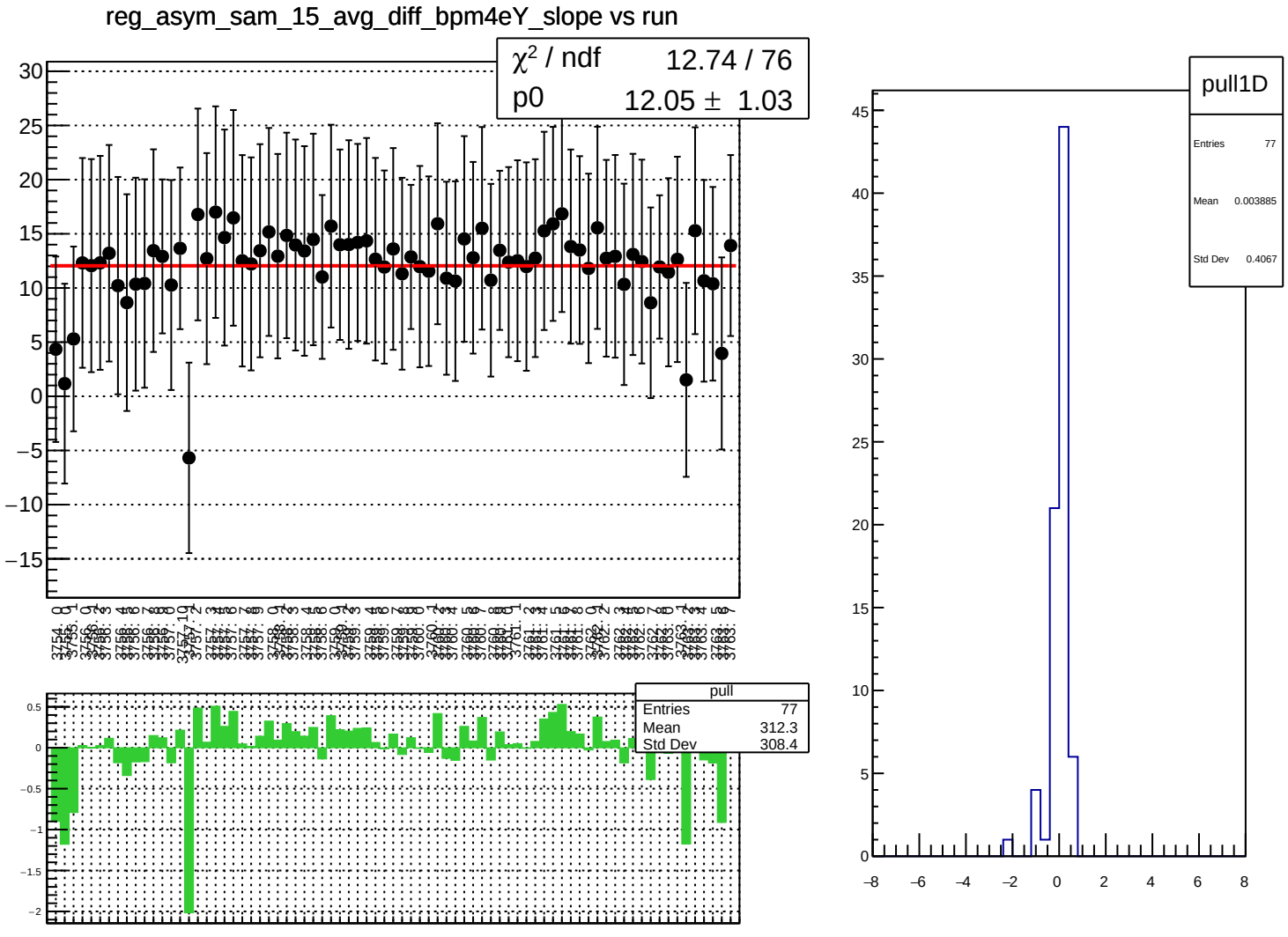

pull1D
Entries 77
Mean −0.001742
Std Dev 0.66

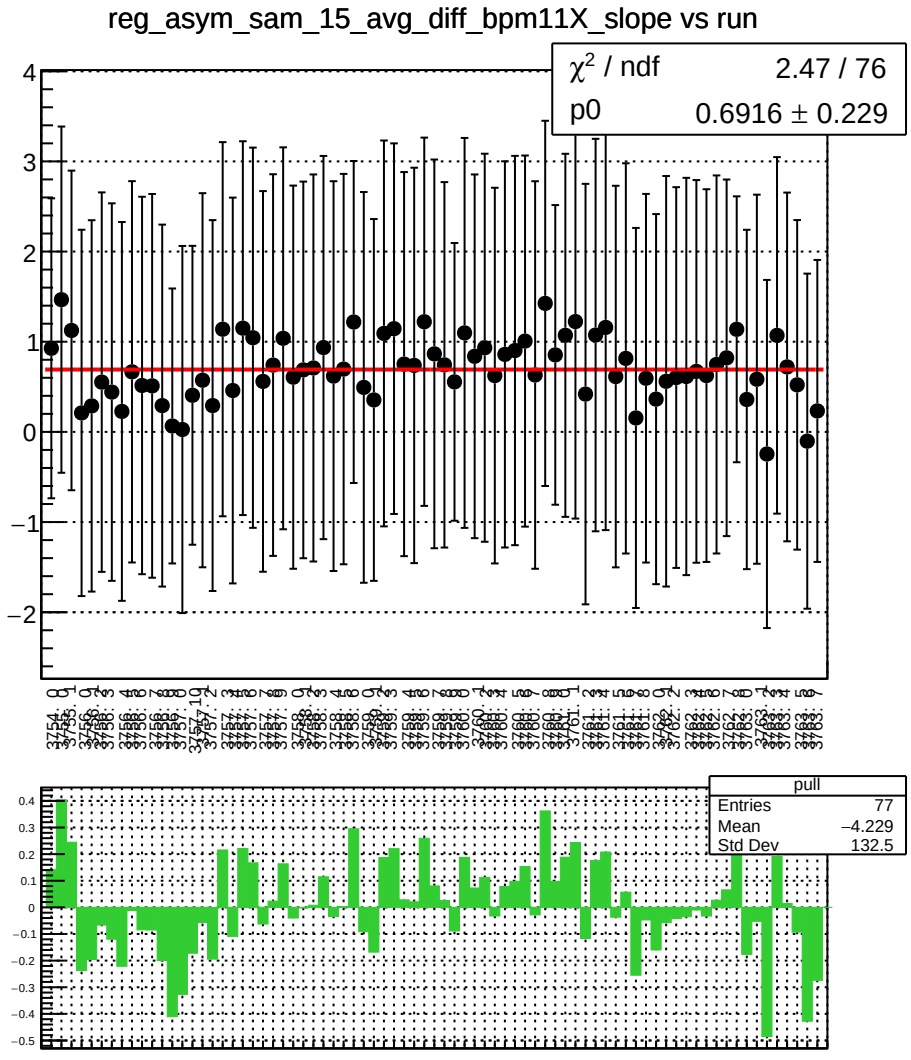

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 47.56 / 76
p0 2.117 ± 0.01267
pull
Entries 77
Mean 150.2
Std Dev 135.7
pull1D
Entries 77
Mean −0.02532
Std Dev 0.7855

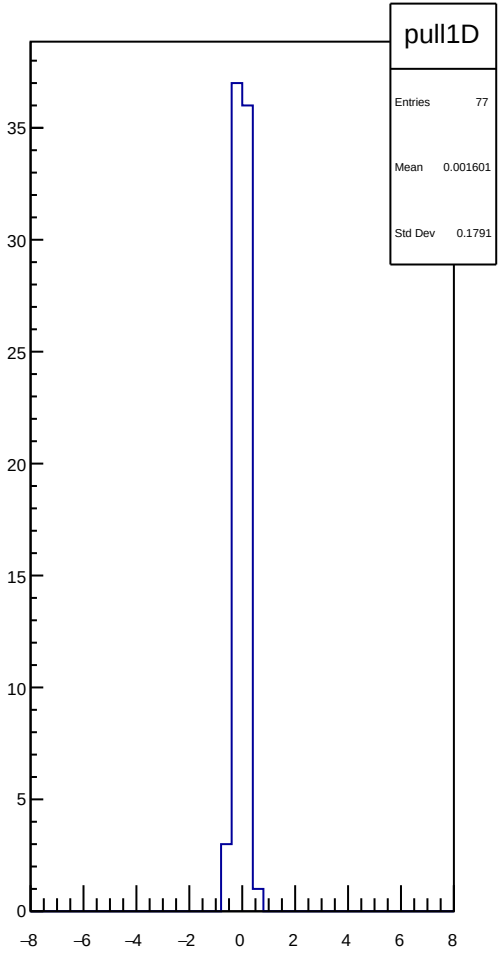

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.509 / 76
p0 10.98 ± 0.8202
pull
Entries 77
Mean −786.9
Std Dev 816.6
pull1D
Entries 77
Mean −0.002502
Std Dev 0.242

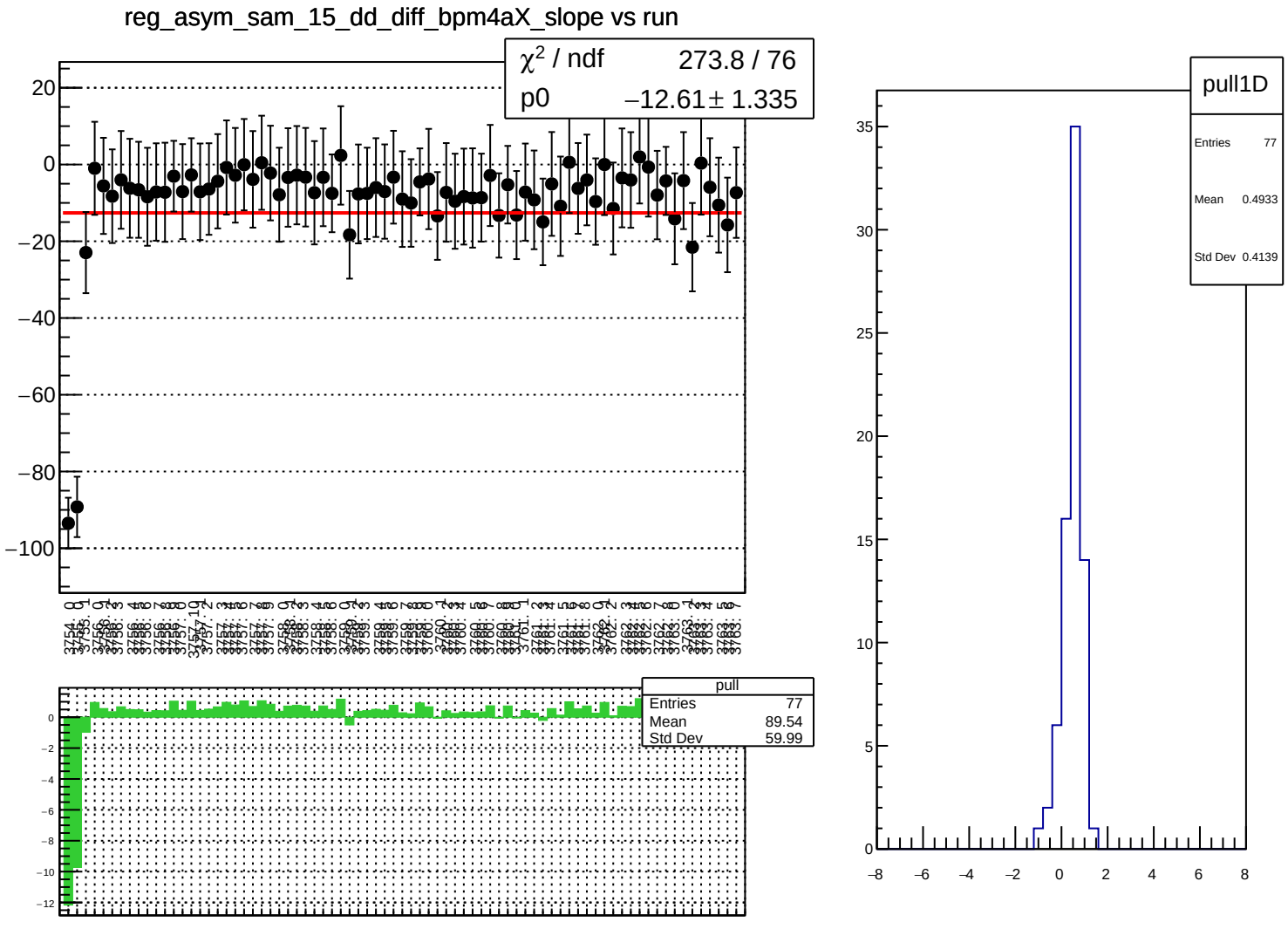

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.84 / 76
p0 −17.48 ± 0.6611
pull
Entries 77
Mean −1147
Std Dev 1189
pull1D
Entries 77
Mean −0.004566
Std Dev 0.4535

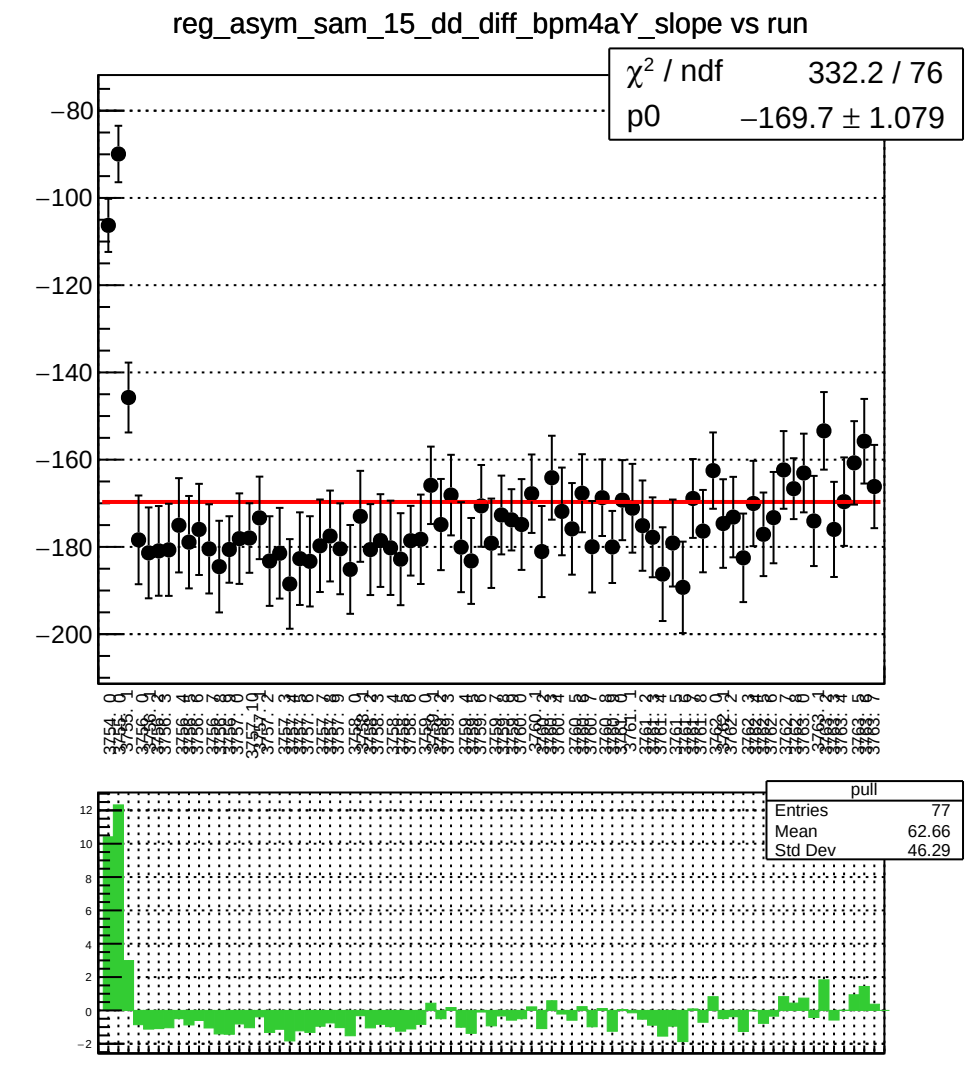

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.23 / 76
p0 −61.39 ± 0.1443
−58
−60
−62
−64
−66
pull
Entries 77
Mean −501
Std Dev 540.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 77
Mean −0.02067
Std Dev 0.8389
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

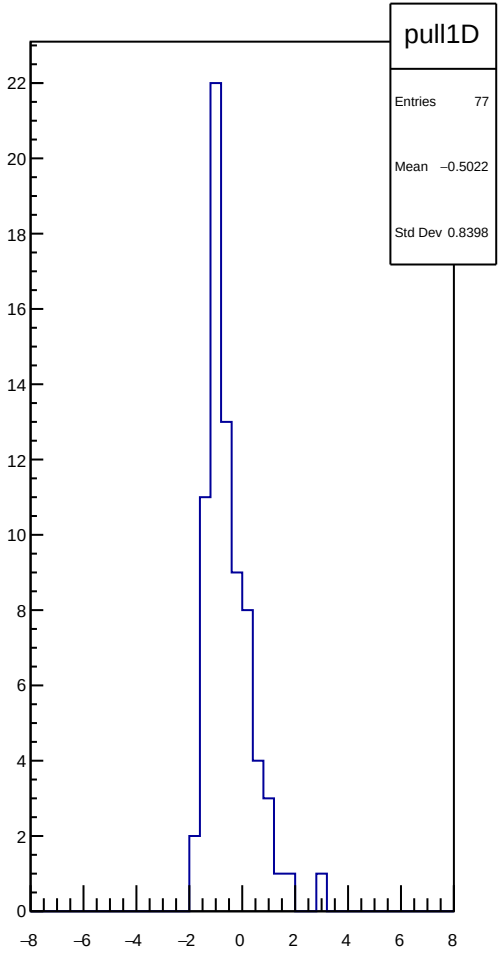

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.74 / 76
p0 12.05 ± 1.03
pull
Entries 77
Mean 312.3
Std Dev 308.4
pull1D
Entries 77
Mean 0.003885
Std Dev 0.4067

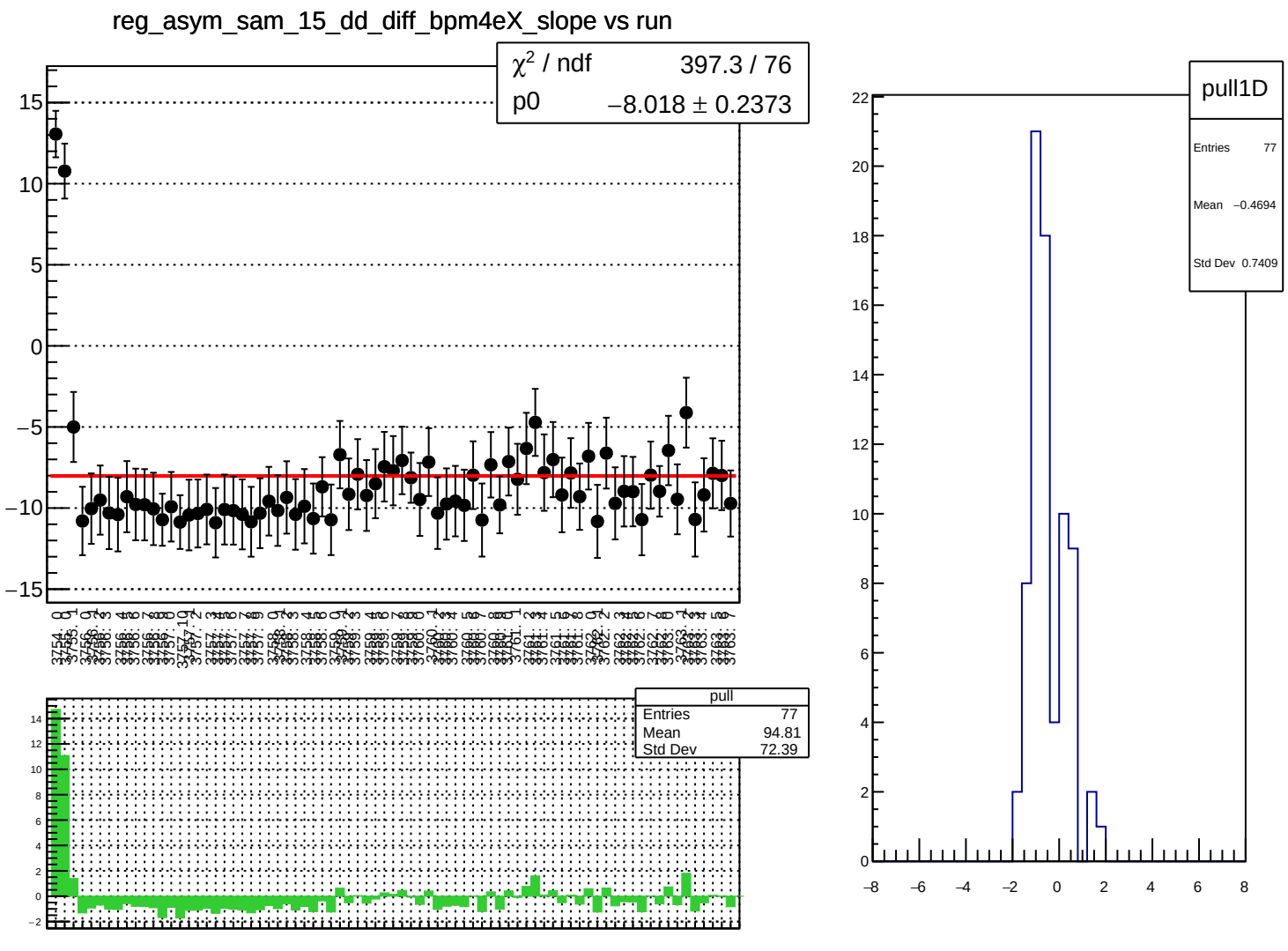

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 2.47 / 76
p0 0.6916 ± 0.229
pull
Entries 77
Mean −4.229
Std Dev 132.5

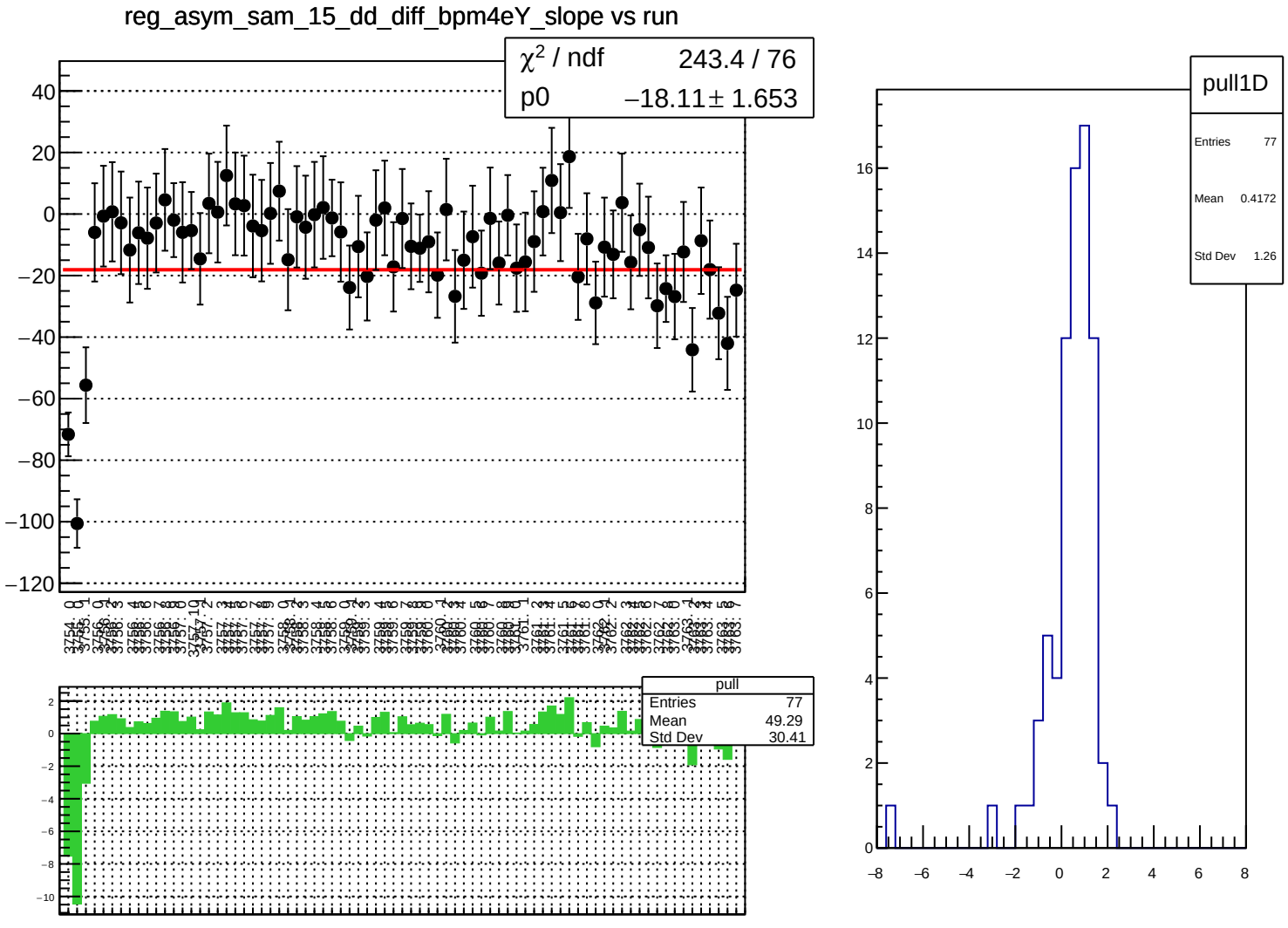

pull1D
Entries 77
Mean 0.001601
Std Dev 0.1791

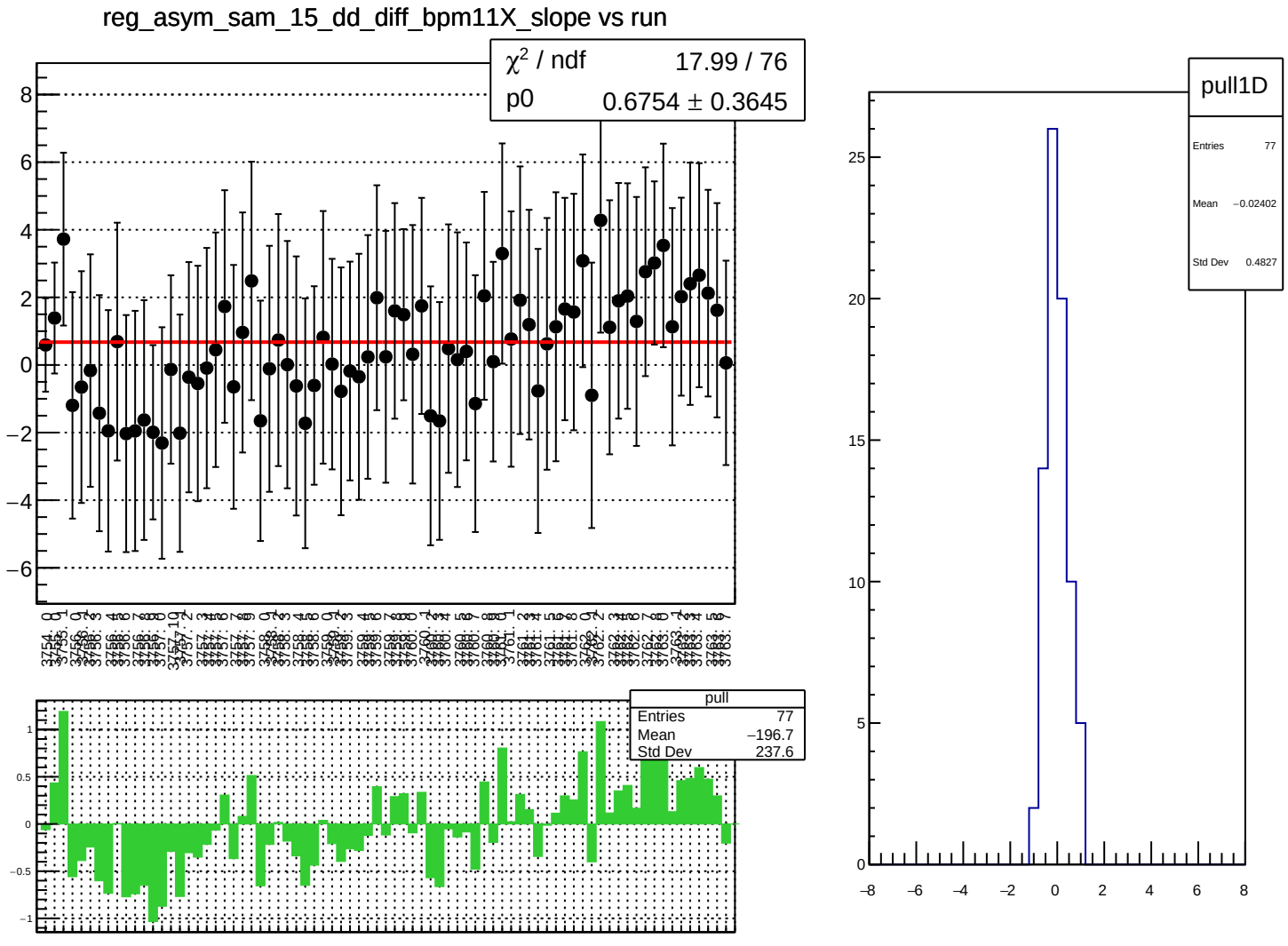

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 273.8 / 76
p0 −12.61 ± 1.335
pull
Entries 77
Mean 89.54
Std Dev 59.99
pull1D
Entries 77
Mean 0.4933
Std Dev 0.4139

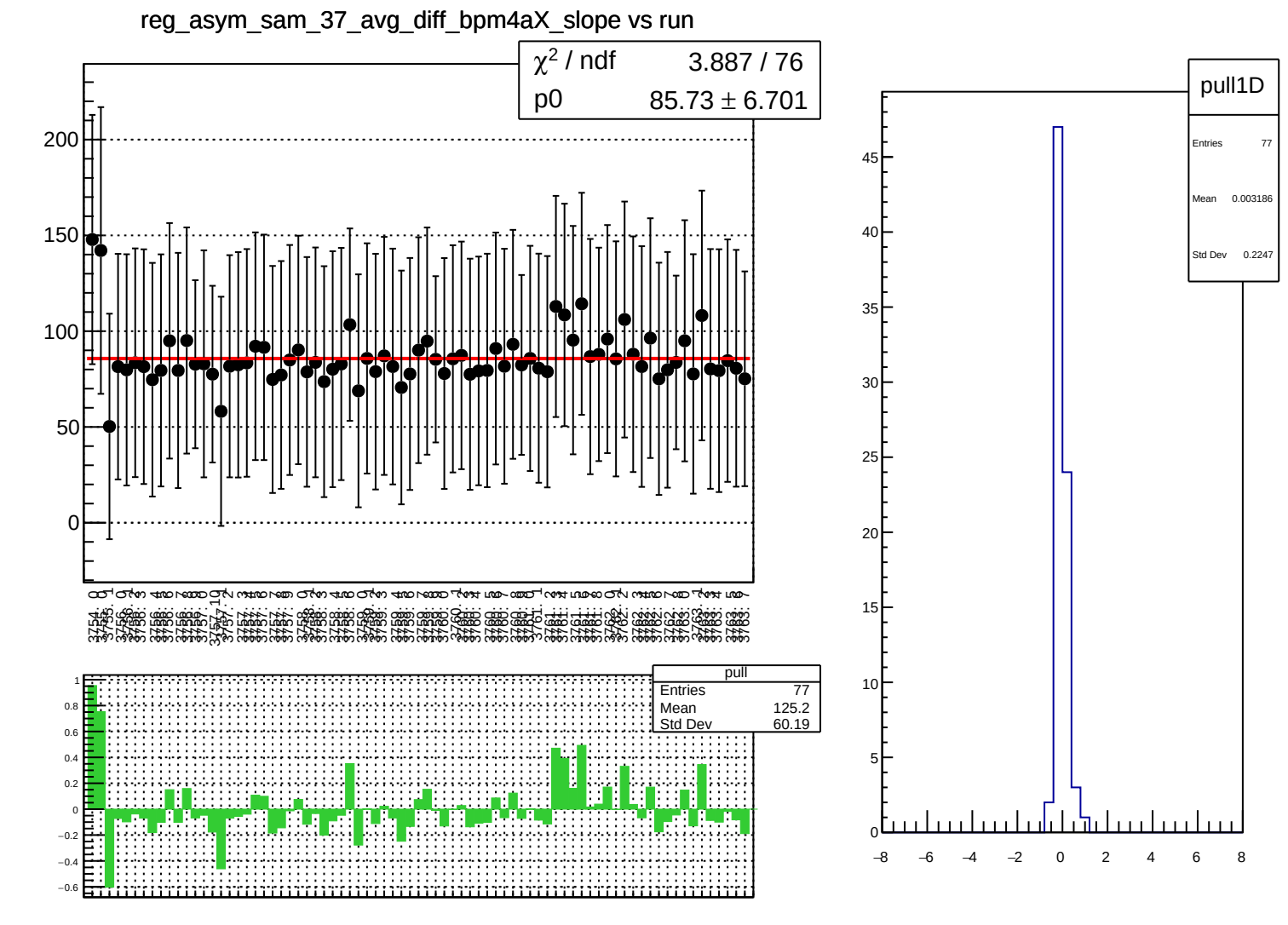

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 332.2 / 76
p0 −169.7 ± 1.079
pull
Entries 77
Mean 62.66
Std Dev 46.29

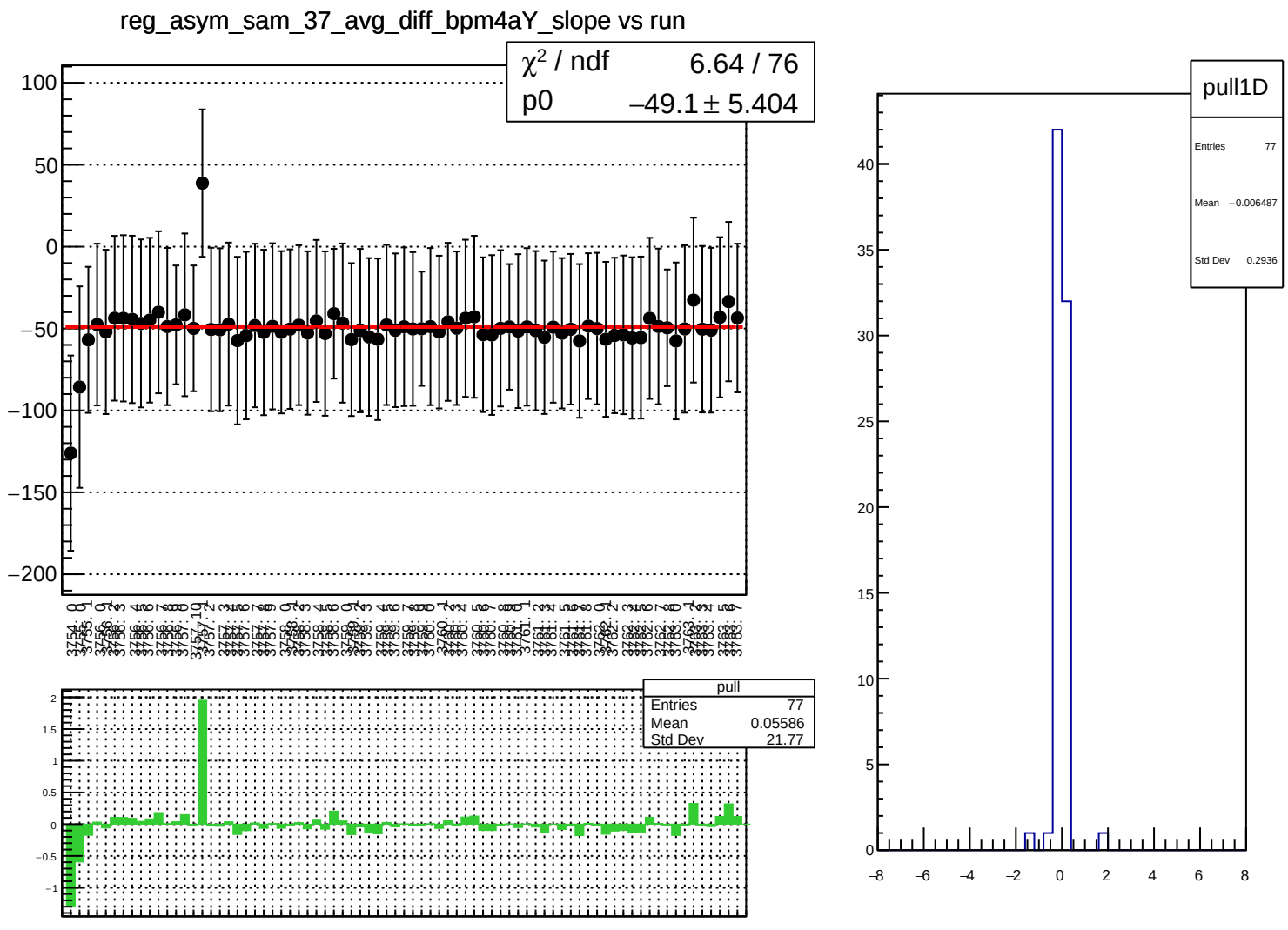

pull1D
Entries 77
Mean −0.5022
Std Dev 0.8398

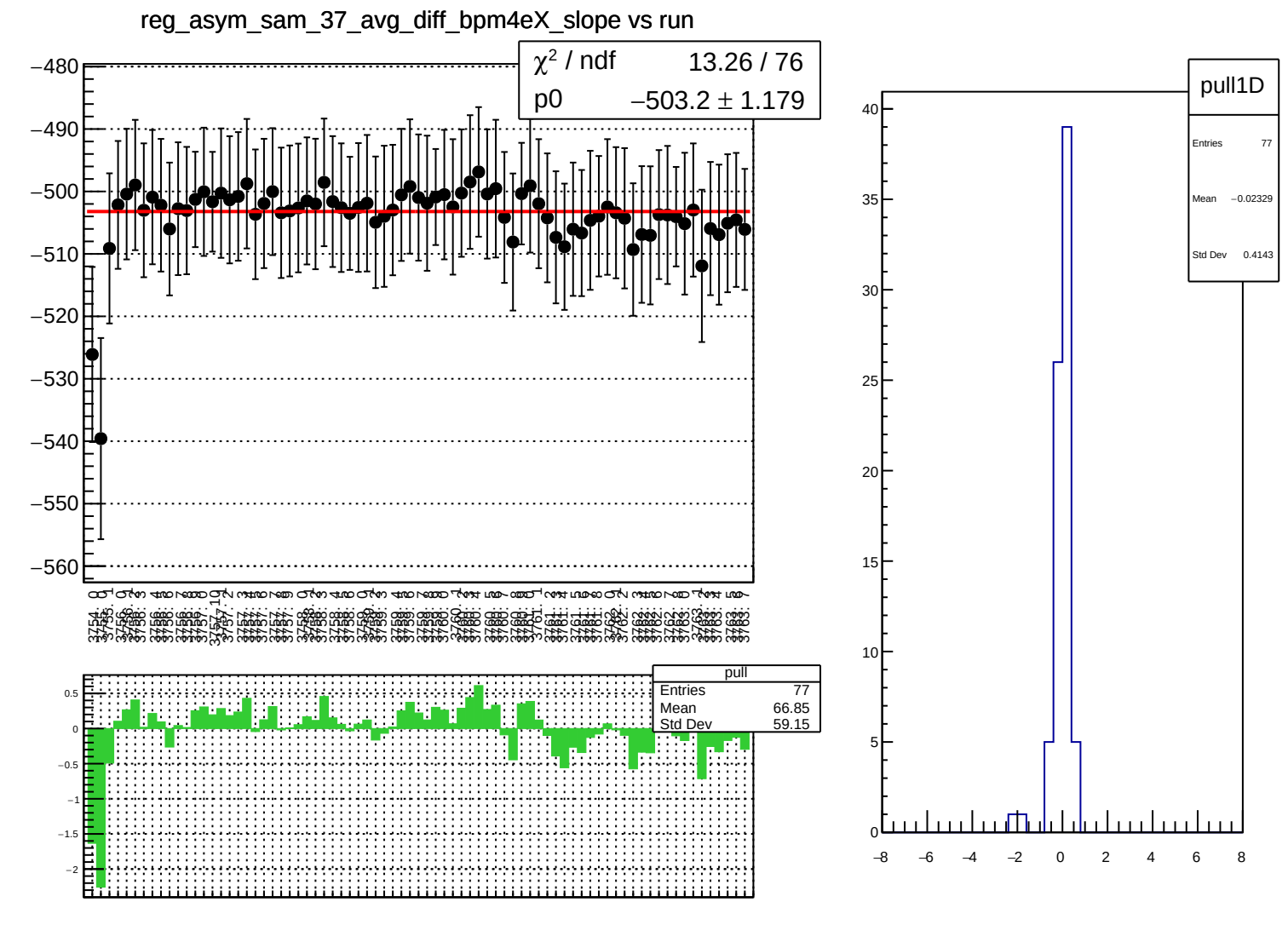

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 397.3 / 76
p0 −8.018 ± 0.2373
pull
Entries 77
Mean 94.81
Std Dev 72.39
pull1D
Entries 77
Mean −0.4694
Std Dev 0.7409

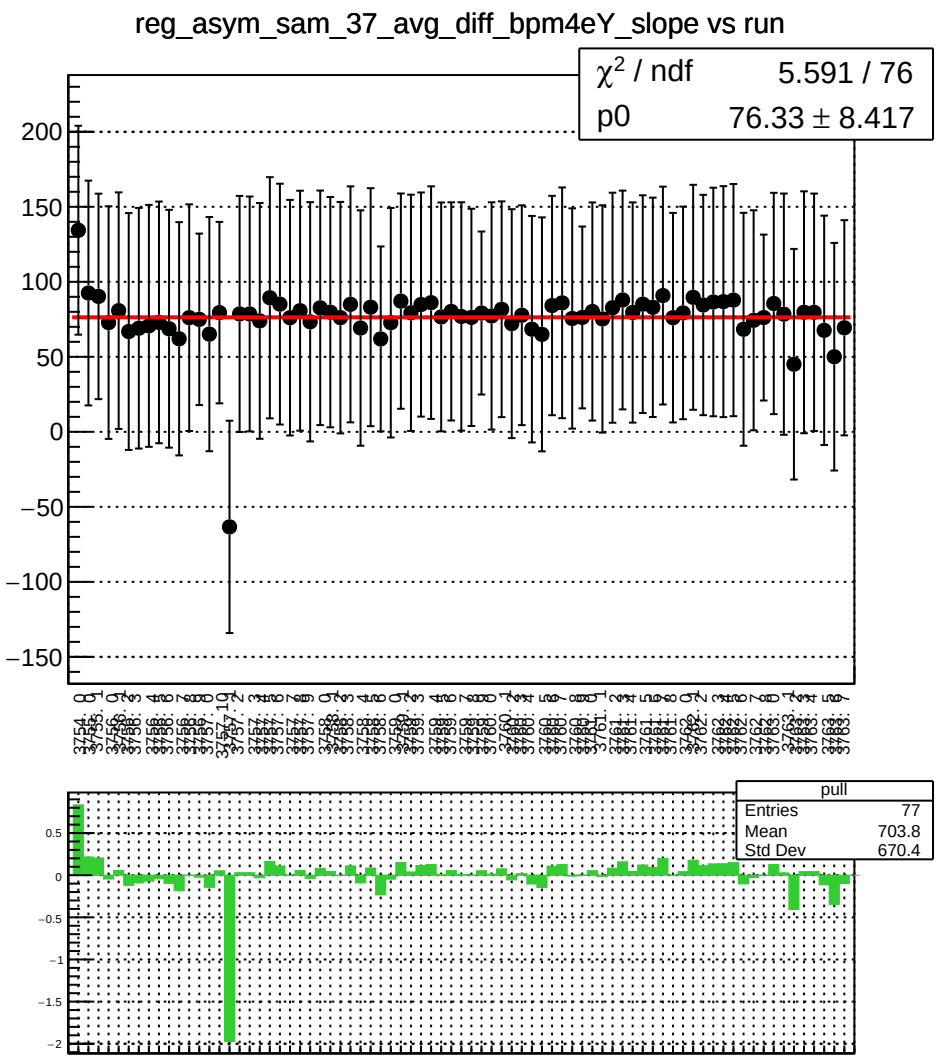

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 243.4 / 76
p0 −18.11± 1.653
pull
Entries 77
Mean 49.29
Std Dev 30.41
pull1D
Entries 77
Mean 0.4172
Std Dev 1.26

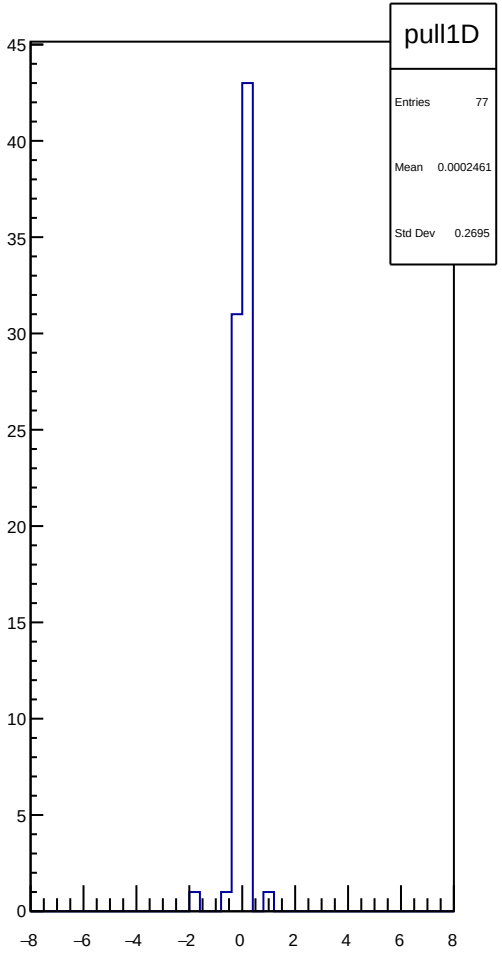

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 17.99 / 76
p0 0.6754 ± 0.3645
pull
Entries 77
Mean −196.7
Std Dev 237.6
pull1D
Entries 77
Mean −0.02402
Std Dev 0.4827

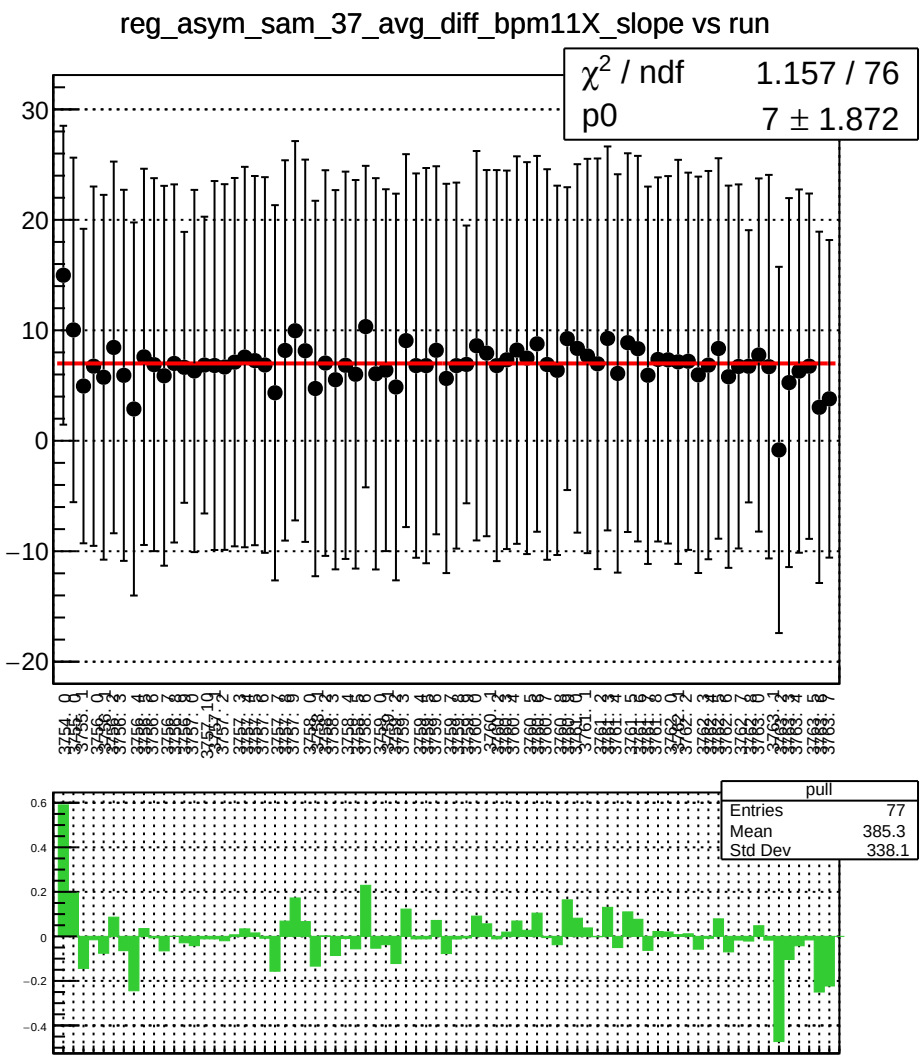

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.887 / 76
p0 85.73 ± 6.701
pull
Entries 77
Mean 125.2
Std Dev 60.19
pull1D
Entries 77
Mean 0.003186
Std Dev 0.2247

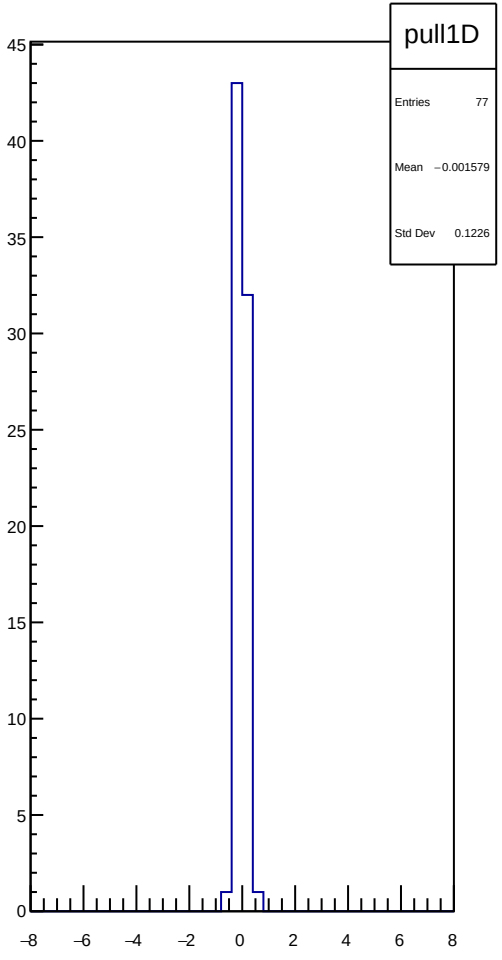

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.64 / 76
p0 −49.1 ± 5.404
pull
Entries 77
Mean 0.05586
Std Dev 21.77
pull1D
Entries 77
Mean −0.006487
Std Dev 0.2936

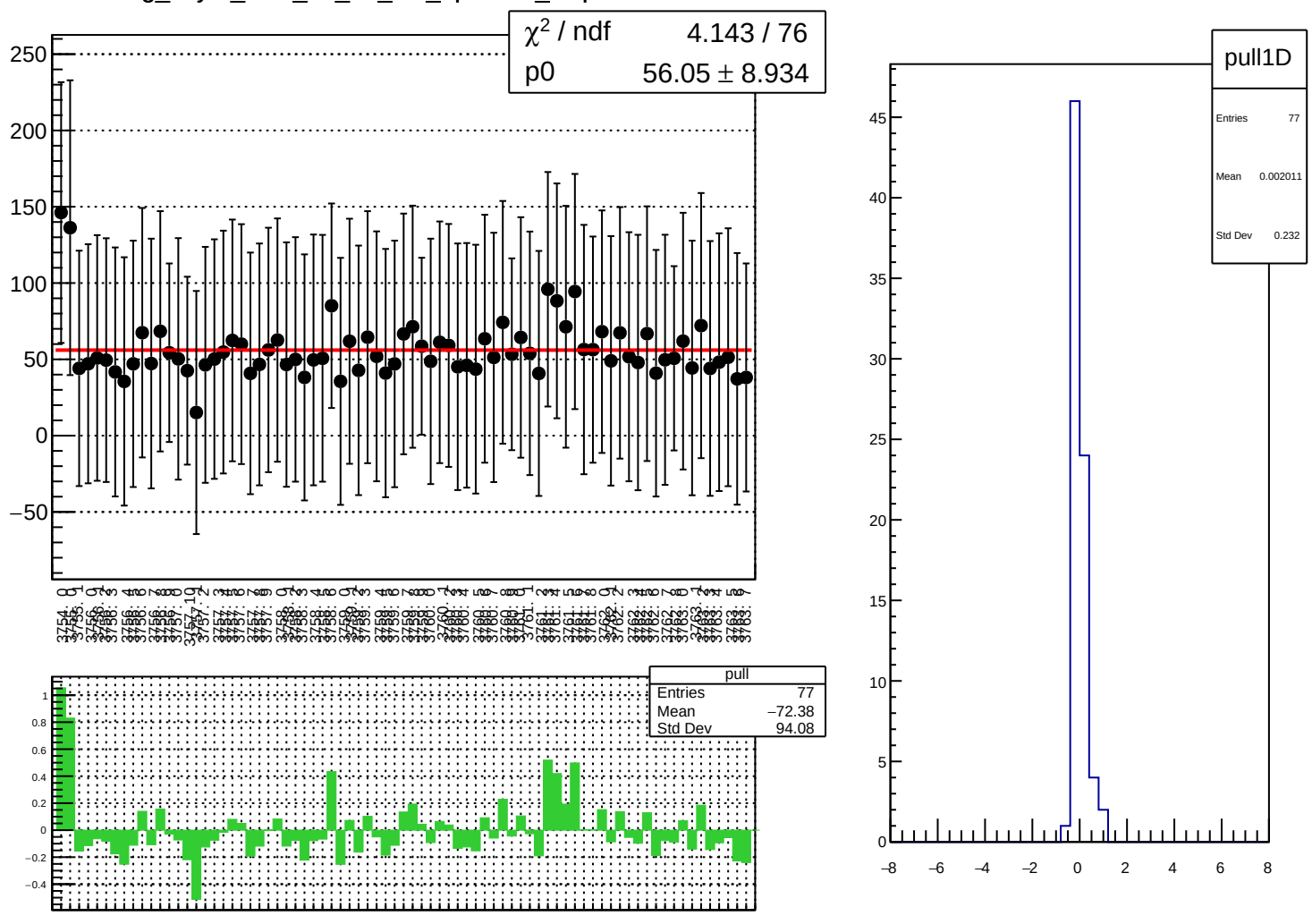

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.26 / 76
p0 −503.2 ± 1.179
pull
Entries 77
Mean 66.85
Std Dev 59.15
pull1D
Entries 77
Mean −0.02329
Std Dev 0.4143

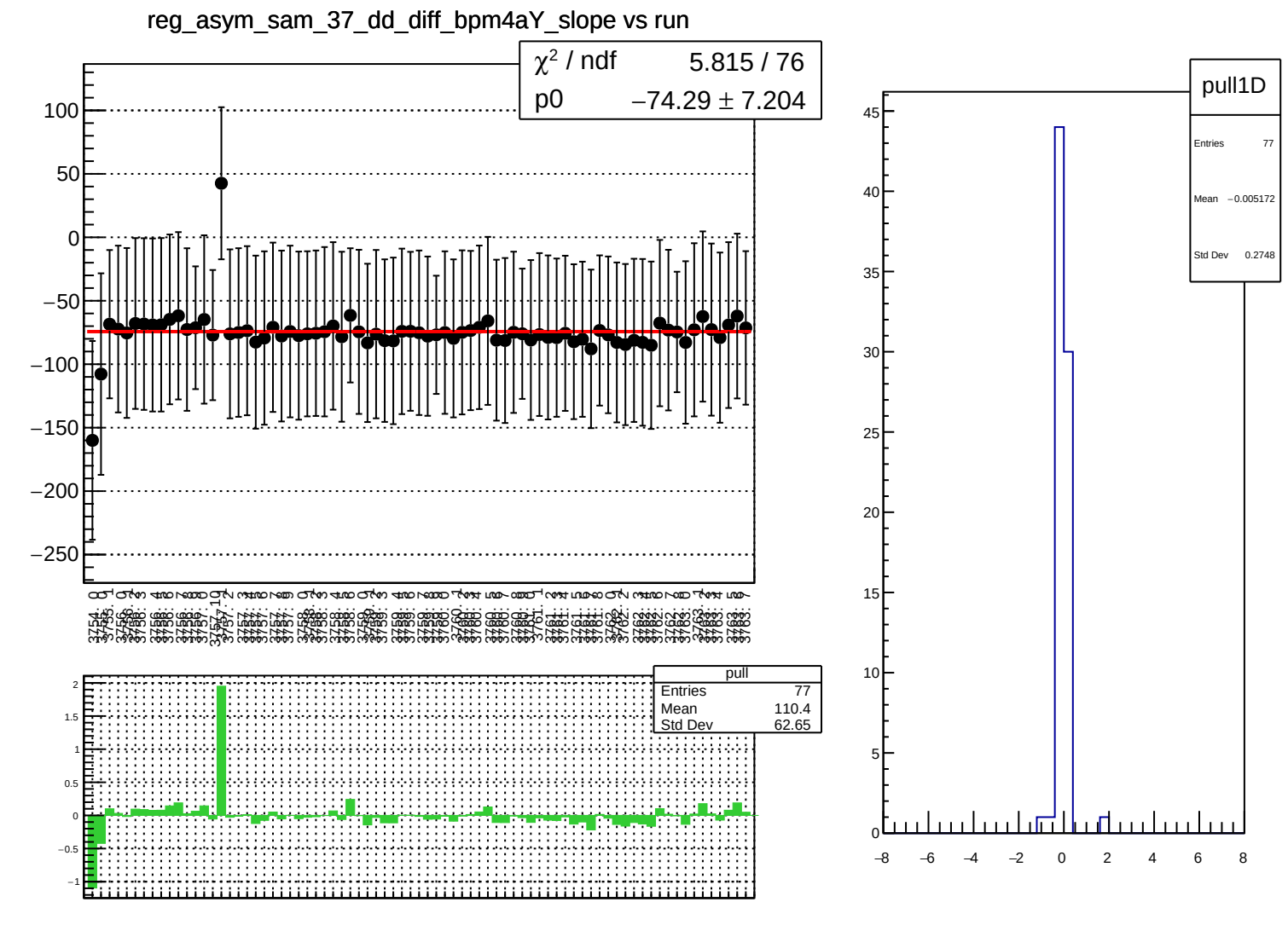

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.591 / 76
p0 76.33 ± 8.417
pull
Entries 77
Mean 703.8
Std Dev 670.4

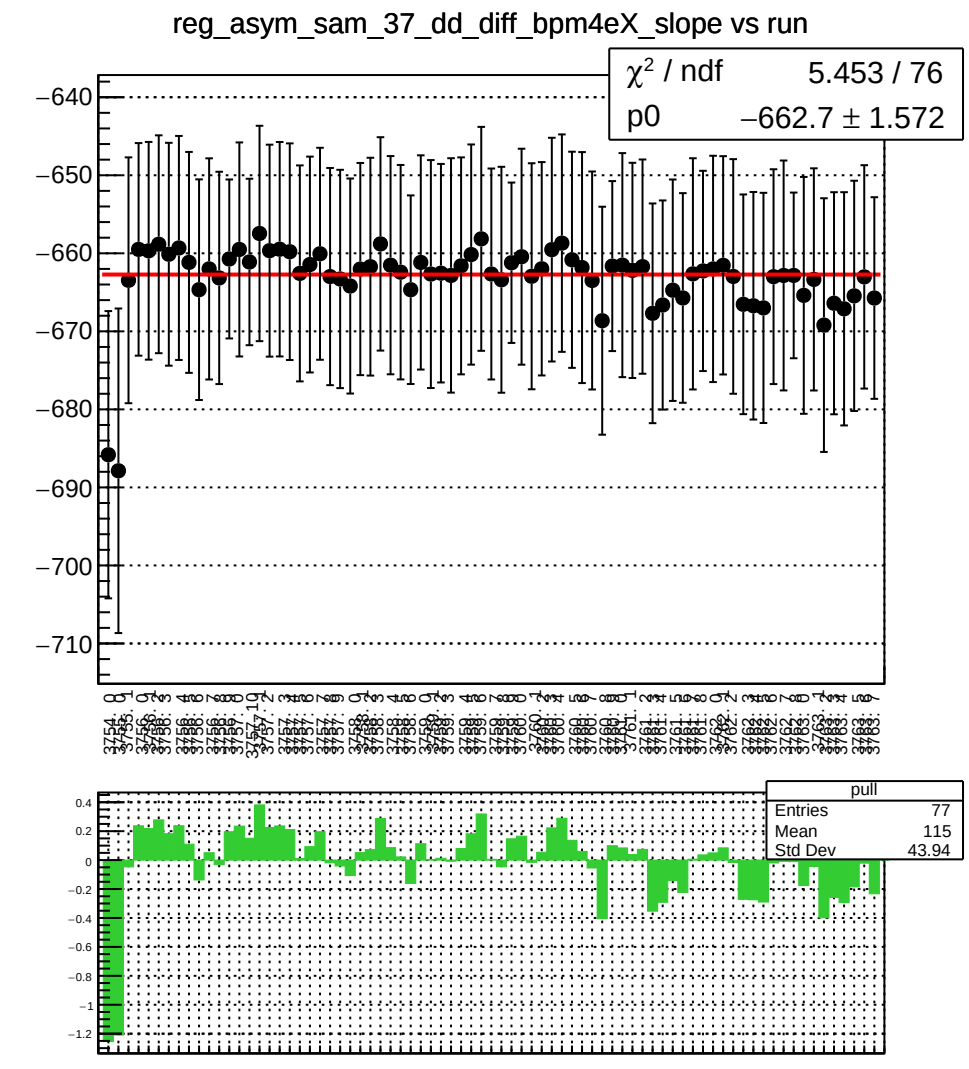

pull1D
Entries 77
Mean 0.0002461
Std Dev 0.2695

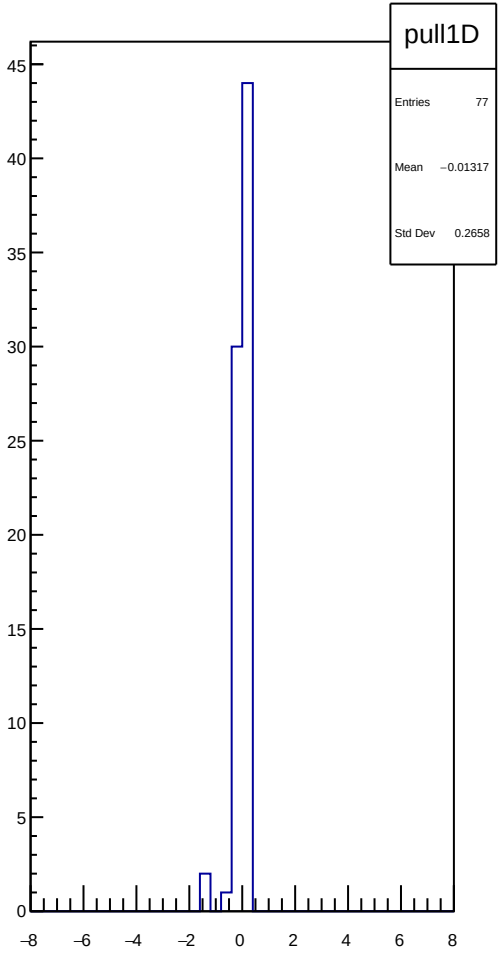

reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 1.157 / 76
p0 7 ± 1.872
pull
Entries 77
Mean 385.3
Std Dev 338.1

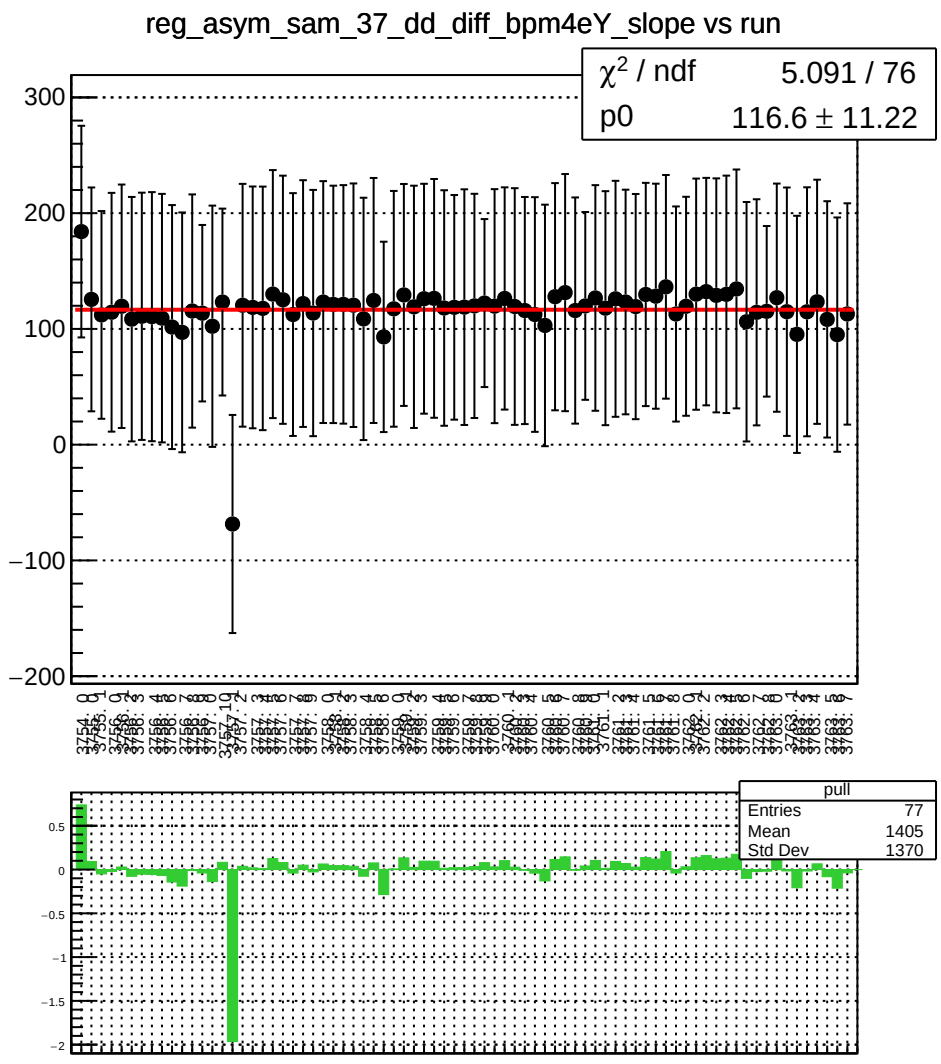

pull1D
Entries 77
Mean −0.001579
Std Dev 0.1226

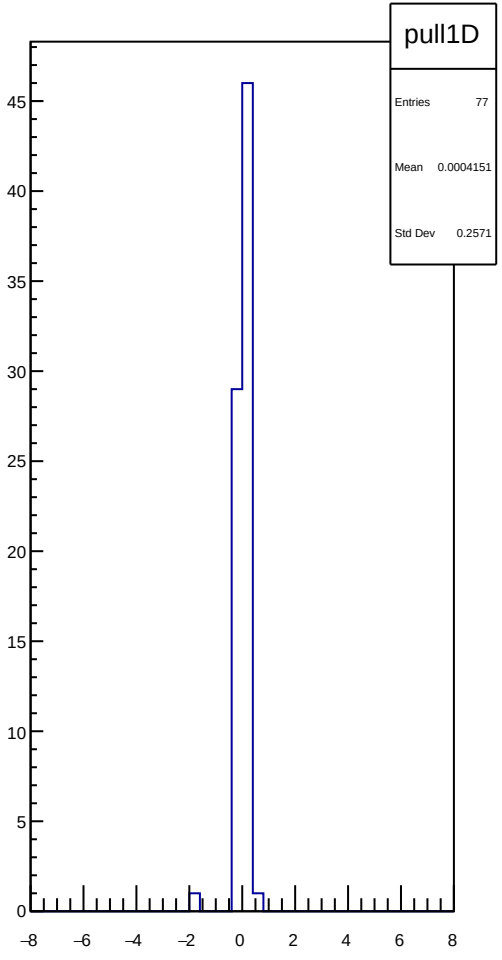

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.143 / 76
p0 56.05 ± 8.934
pull
Entries 77
Mean −72.38
Std Dev 94.08
pull1D
Entries 77
Mean 0.002011
Std Dev 0.232

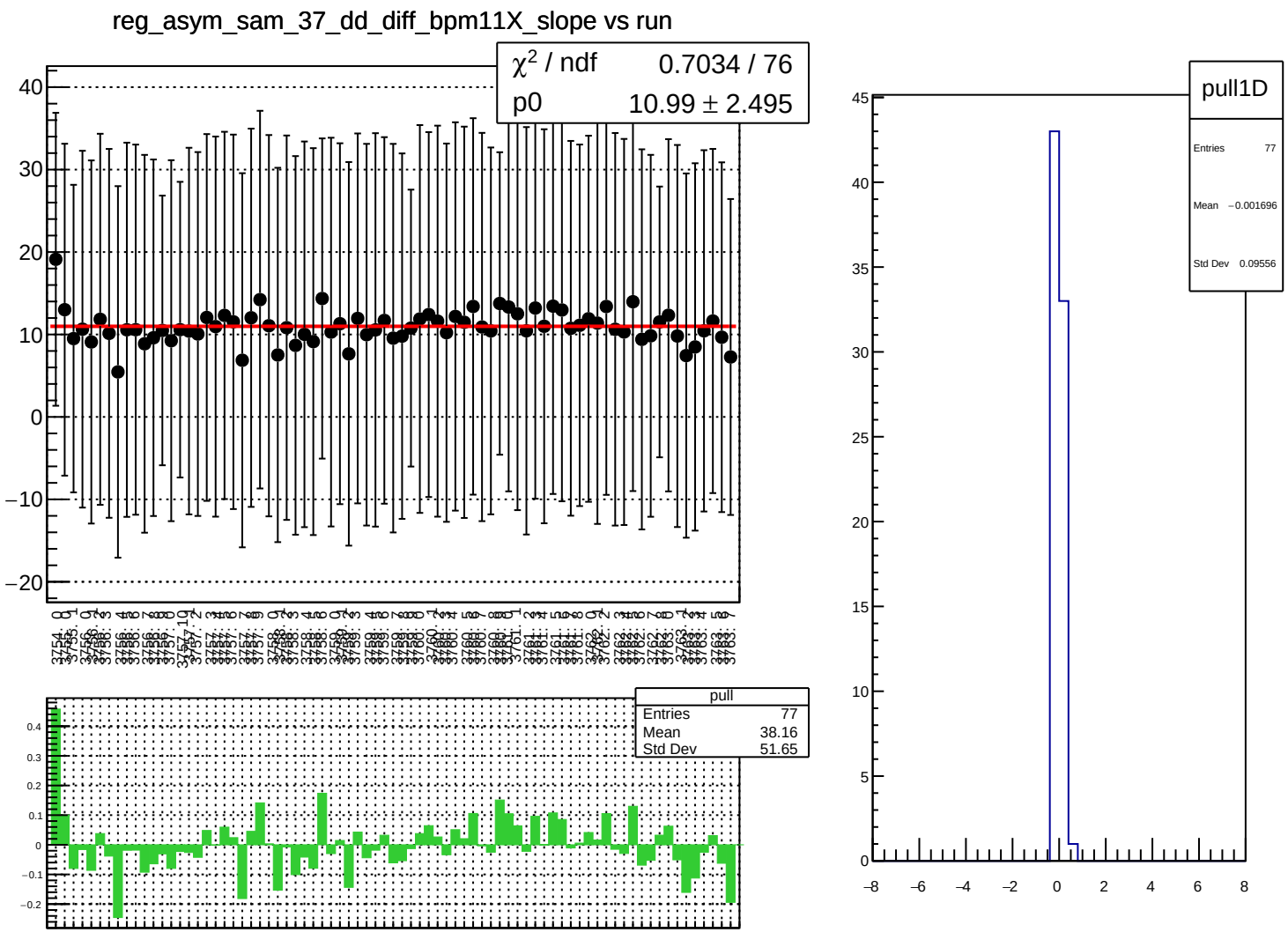

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.815 / 76
p0 −74.29 ± 7.204
pull
Entries 77
Mean 110.4
Std Dev 62.65
pull1D
Entries 77
Mean −0.005172
Std Dev 0.2748

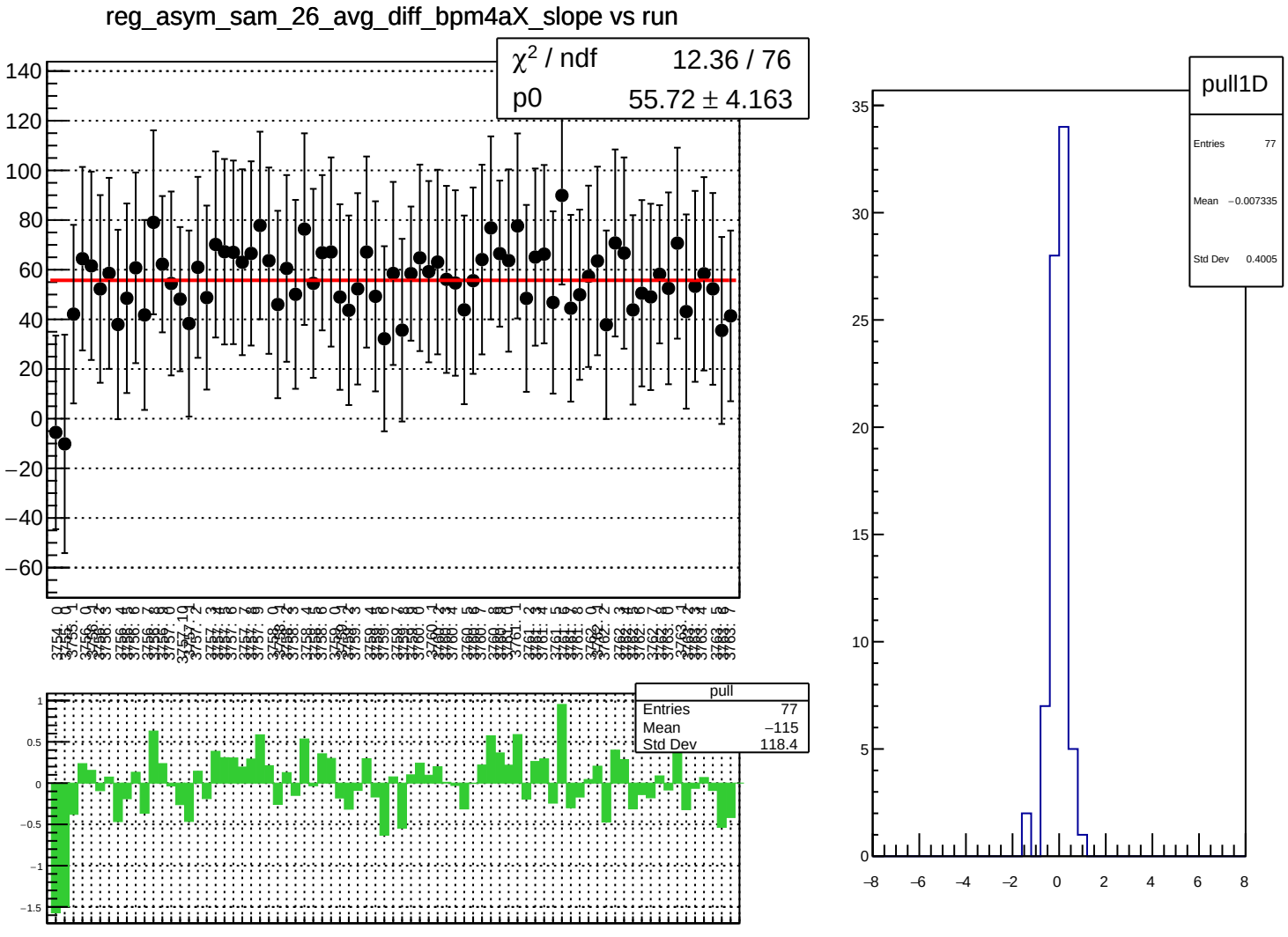

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.453 / 76
p0 −662.7 ± 1.572
pull
Entries 77
Mean 115
Std Dev 43.94

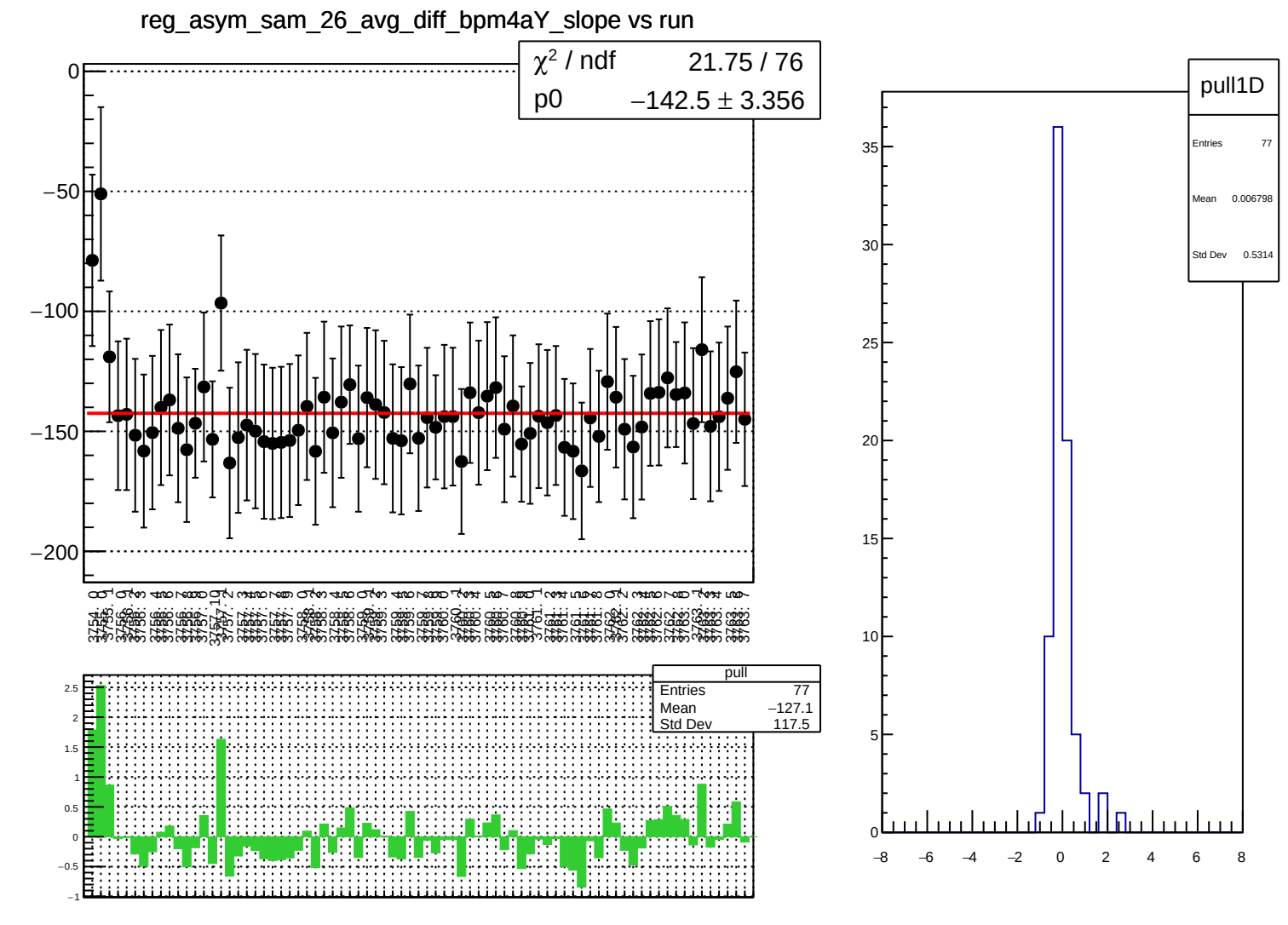

pull1D
Entries 77
Mean −0.01317
Std Dev 0.2658

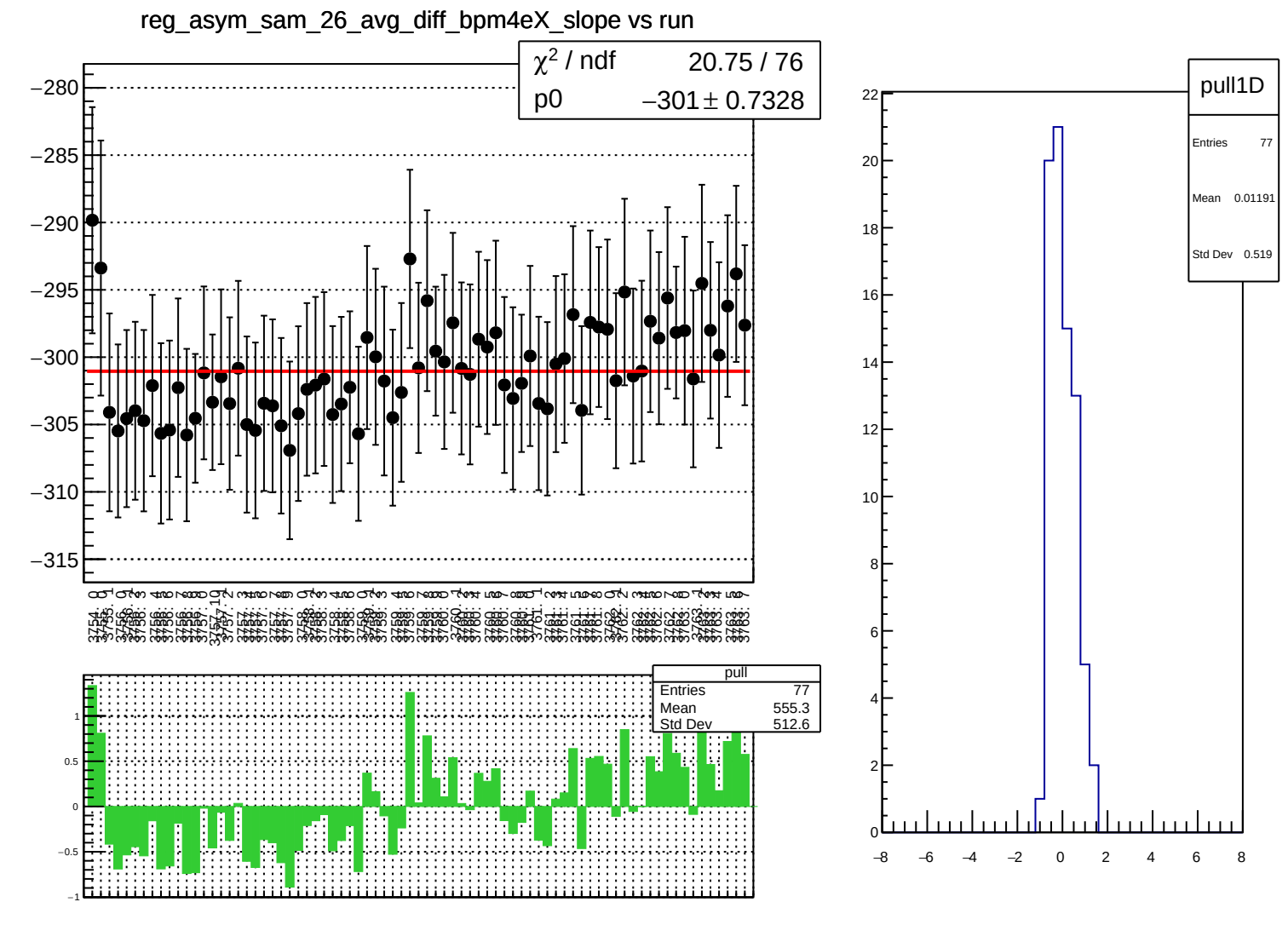

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.091 / 76
p0 116.6 ± 11.22
pull
Entries 77
Mean 1405
Std Dev 1370

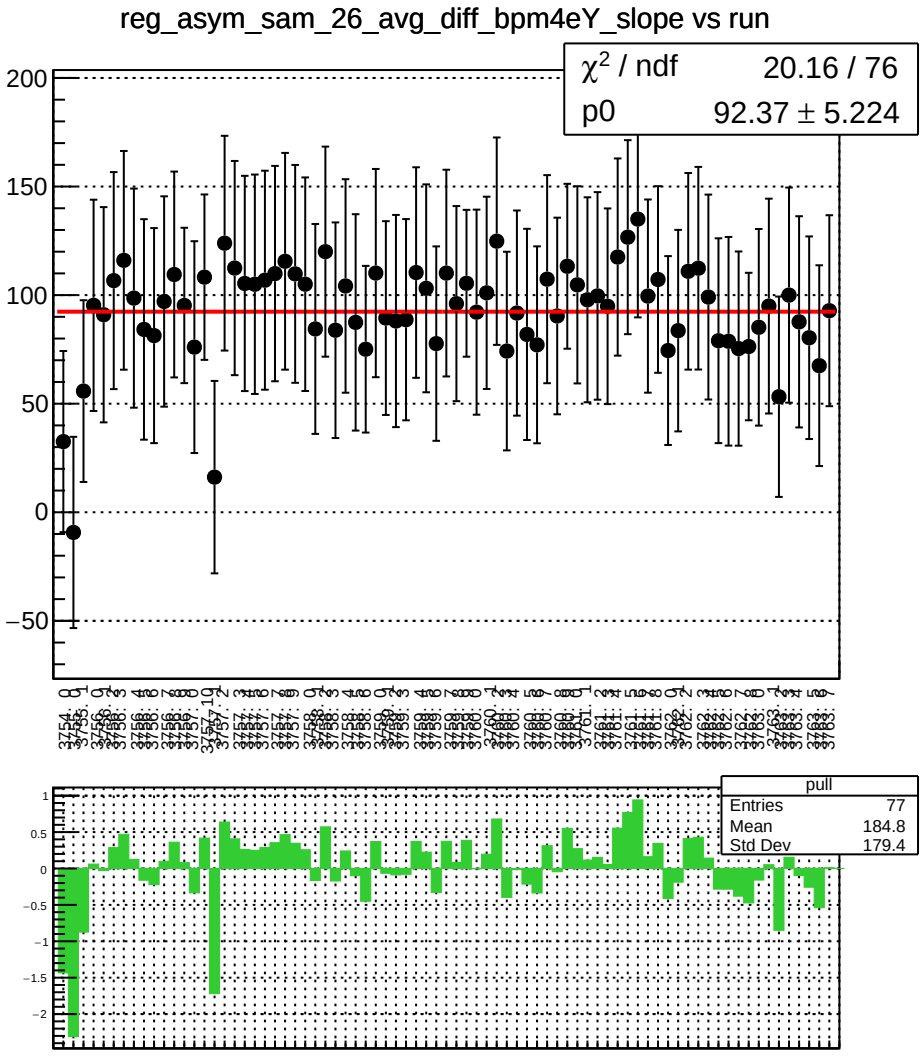

pull1D
Entries 77
Mean 0.0004151
Std Dev 0.2571

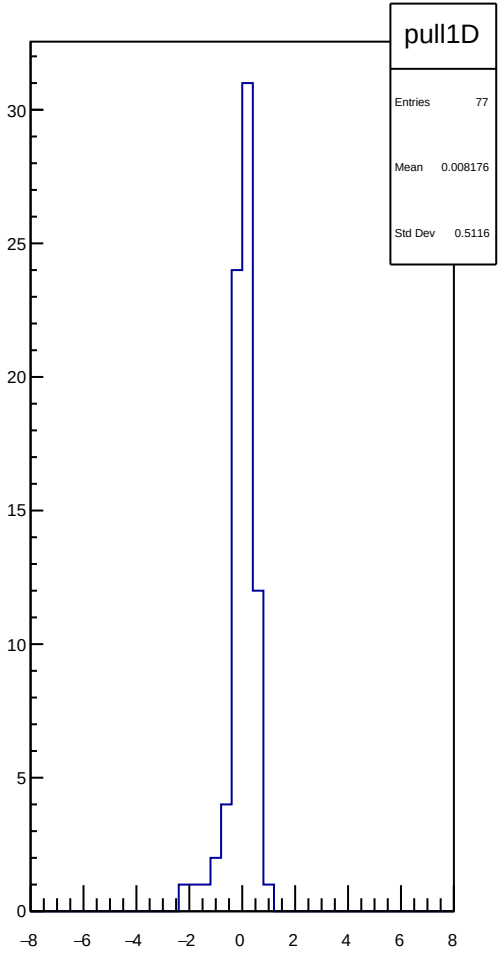

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 0.7034 / 76
p0 10.99 ± 2.495
pull
Entries 77
Mean 38.16
Std Dev 51.65
pull1D
Entries 77
Mean −0.001696
Std Dev 0.09556

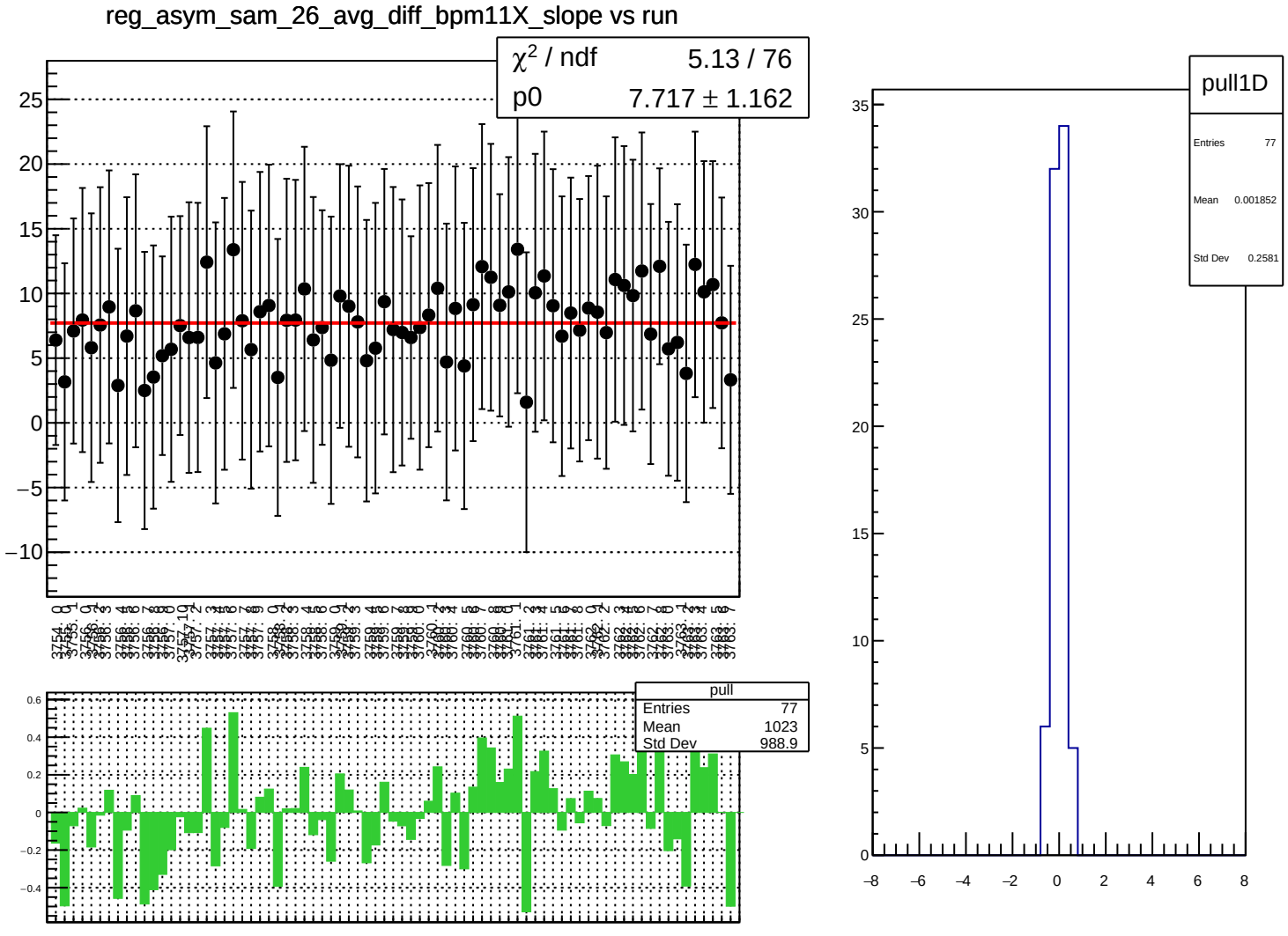

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.36 / 76
p0 55.72 ± 4.163
pull
Entries 77
Mean −115
Std Dev 118.4
pull1D
Entries 77
Mean −0.007335
Std Dev 0.4005

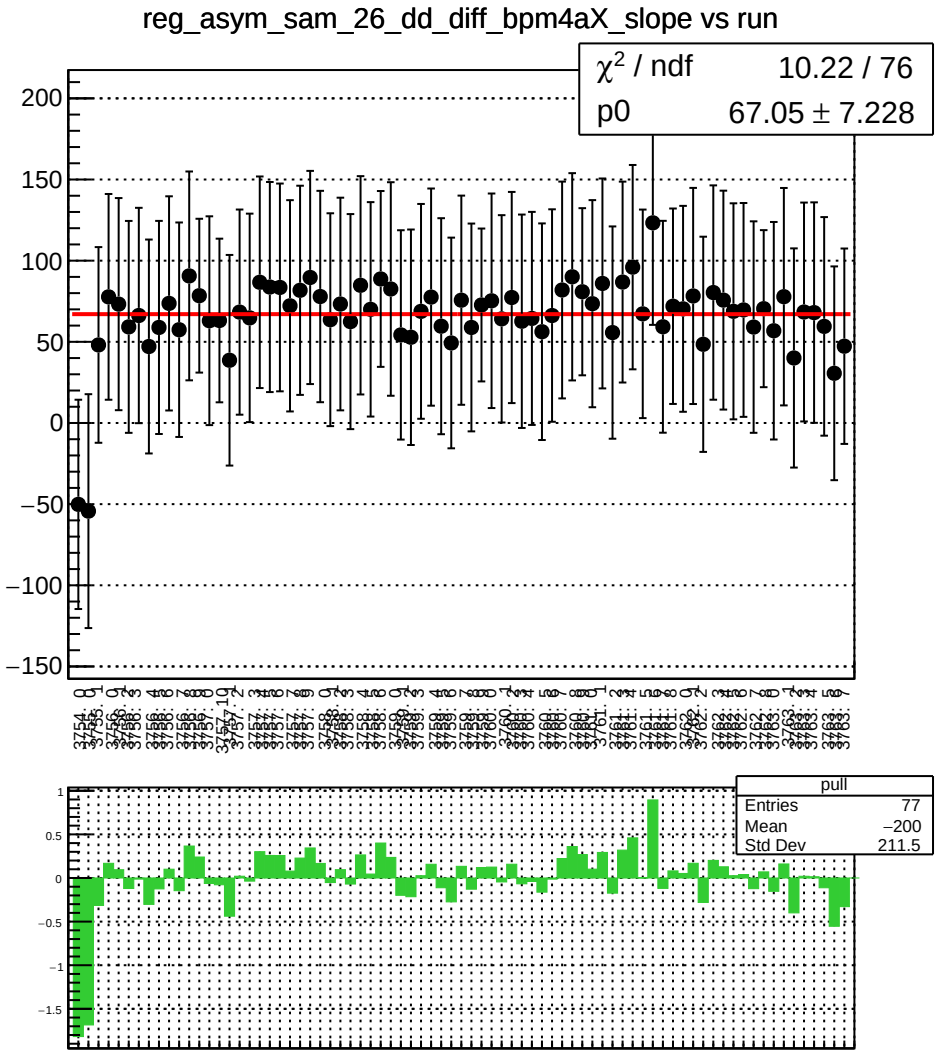

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.75 / 76
p0 −142.5 ± 3.356
pull
Entries 77
Mean −127.1
Std Dev 117.5
pull1D
Entries 77
Mean 0.006798
Std Dev 0.5314

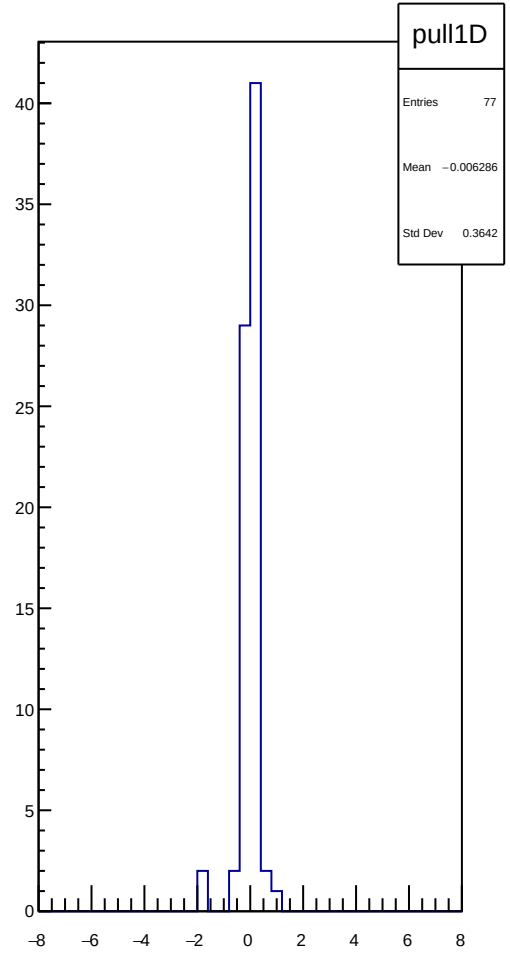

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.75 / 76
p0 −301 ± 0.7328
pull
Entries 77
Mean 555.3
Std Dev 512.6
pull1D
Entries 77
Mean 0.01191
Std Dev 0.519

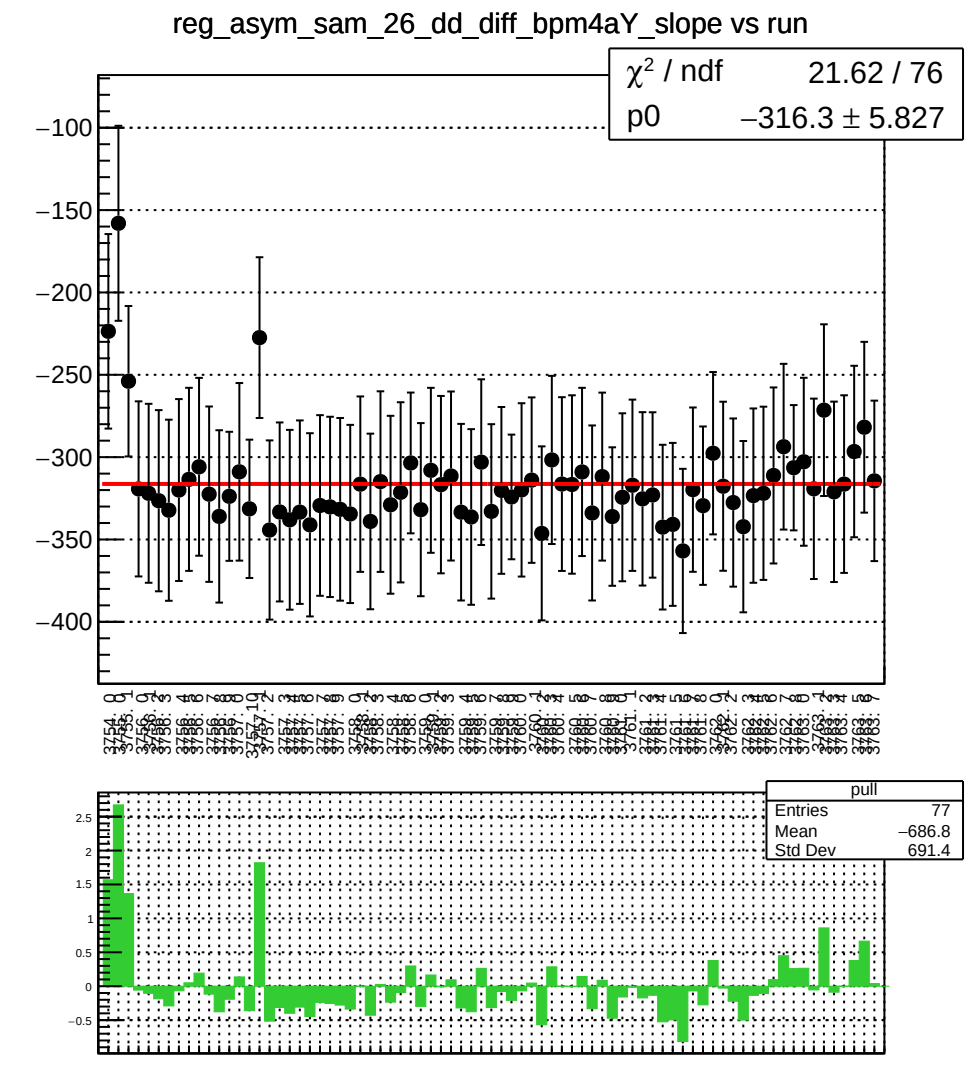

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.16 / 76
p0 92.37 ± 5.224
pull
Entries 77
Mean 184.8
Std Dev 179.4

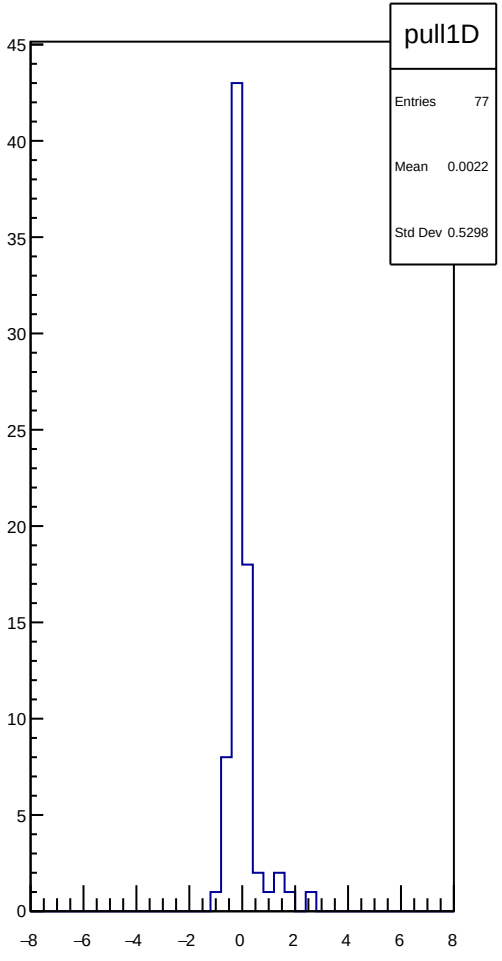

pull1D
Entries 77
Mean 0.008176
Std Dev 0.5116

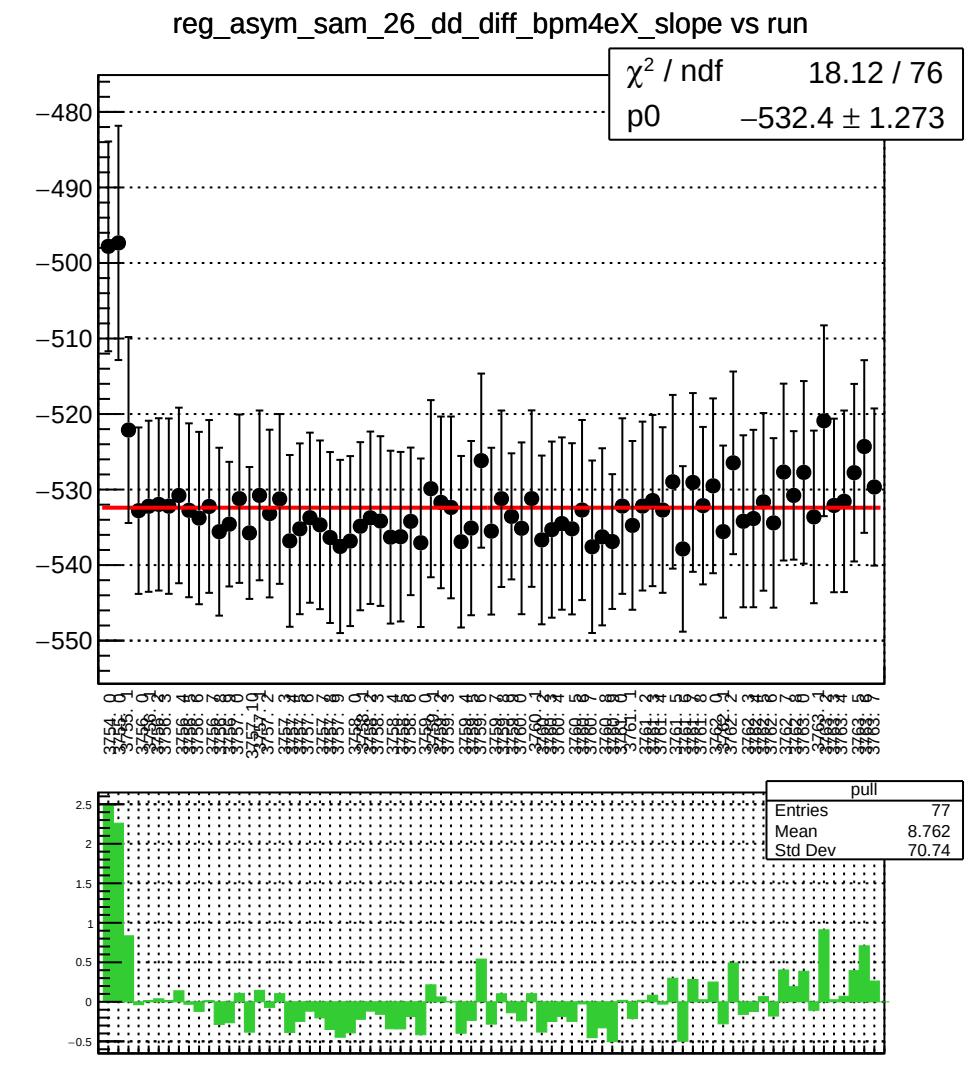

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 5.13 / 76
p0 7.717 ± 1.162
pull
Entries 77
Mean 1023
Std Dev 988.9
pull1D
Entries 77
Mean 0.001852
Std Dev 0.2581

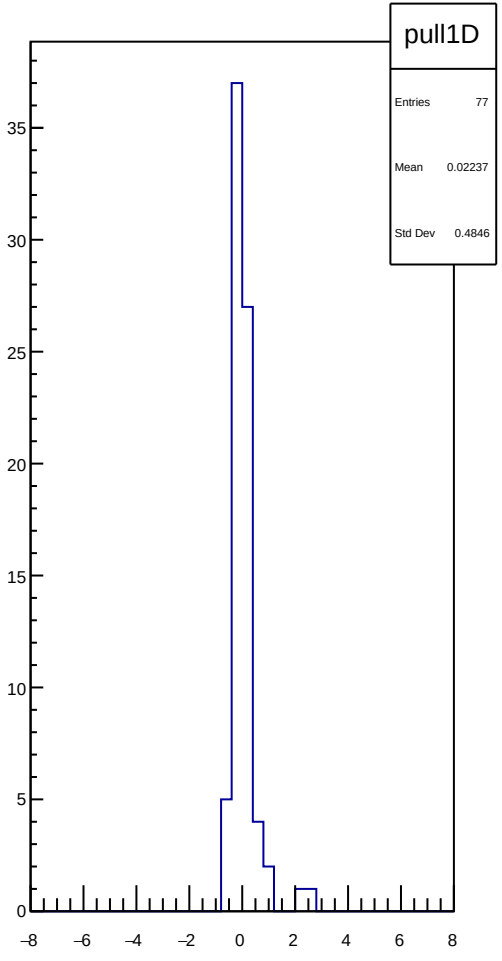

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.22 / 76
p0 67.05 ± 7.228
pull
Entries 77
Mean −200
Std Dev 211.5

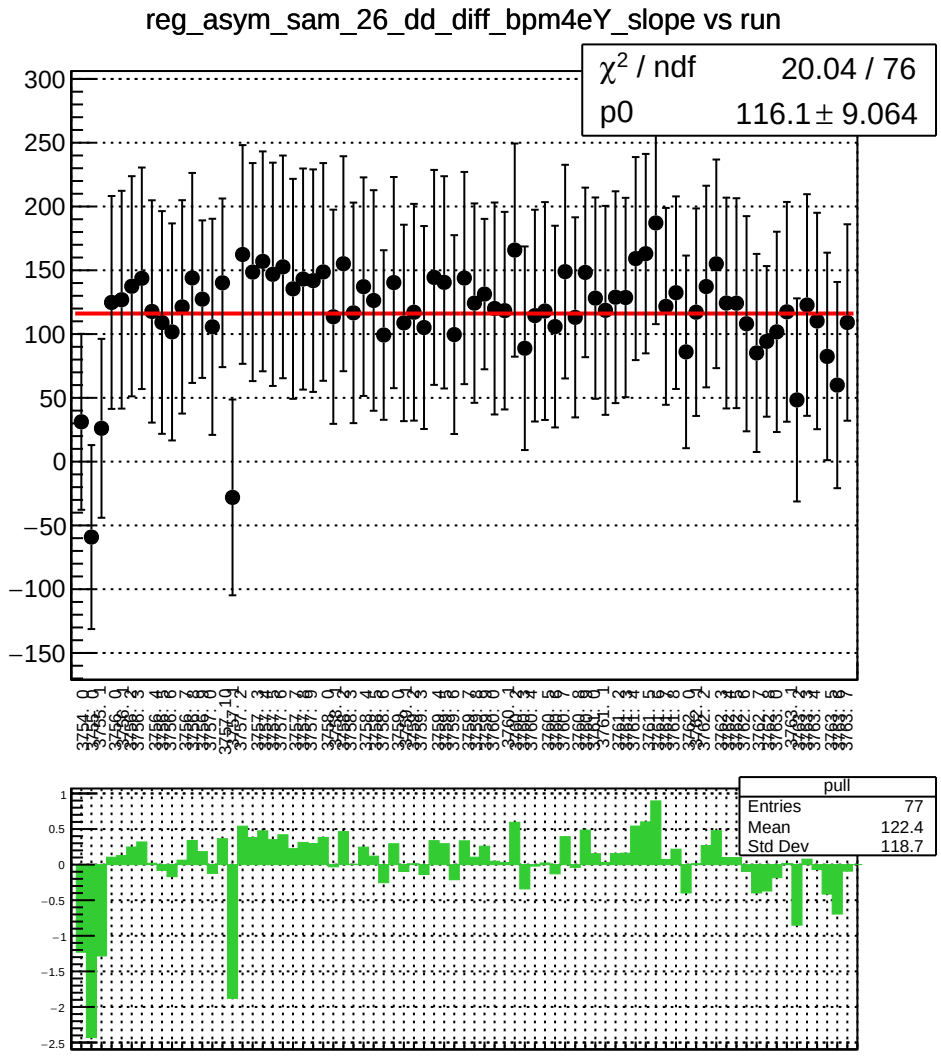

pull1D
Entries 77
Mean −0.006286
Std Dev 0.3642

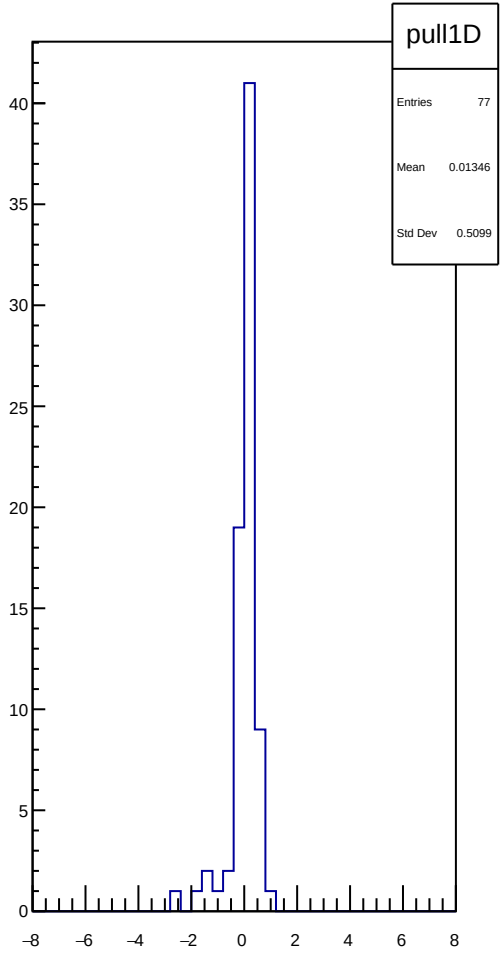

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.62 / 76
p0 −316.3 ± 5.827
pull
Entries 77
Mean −686.8
Std Dev 691.4

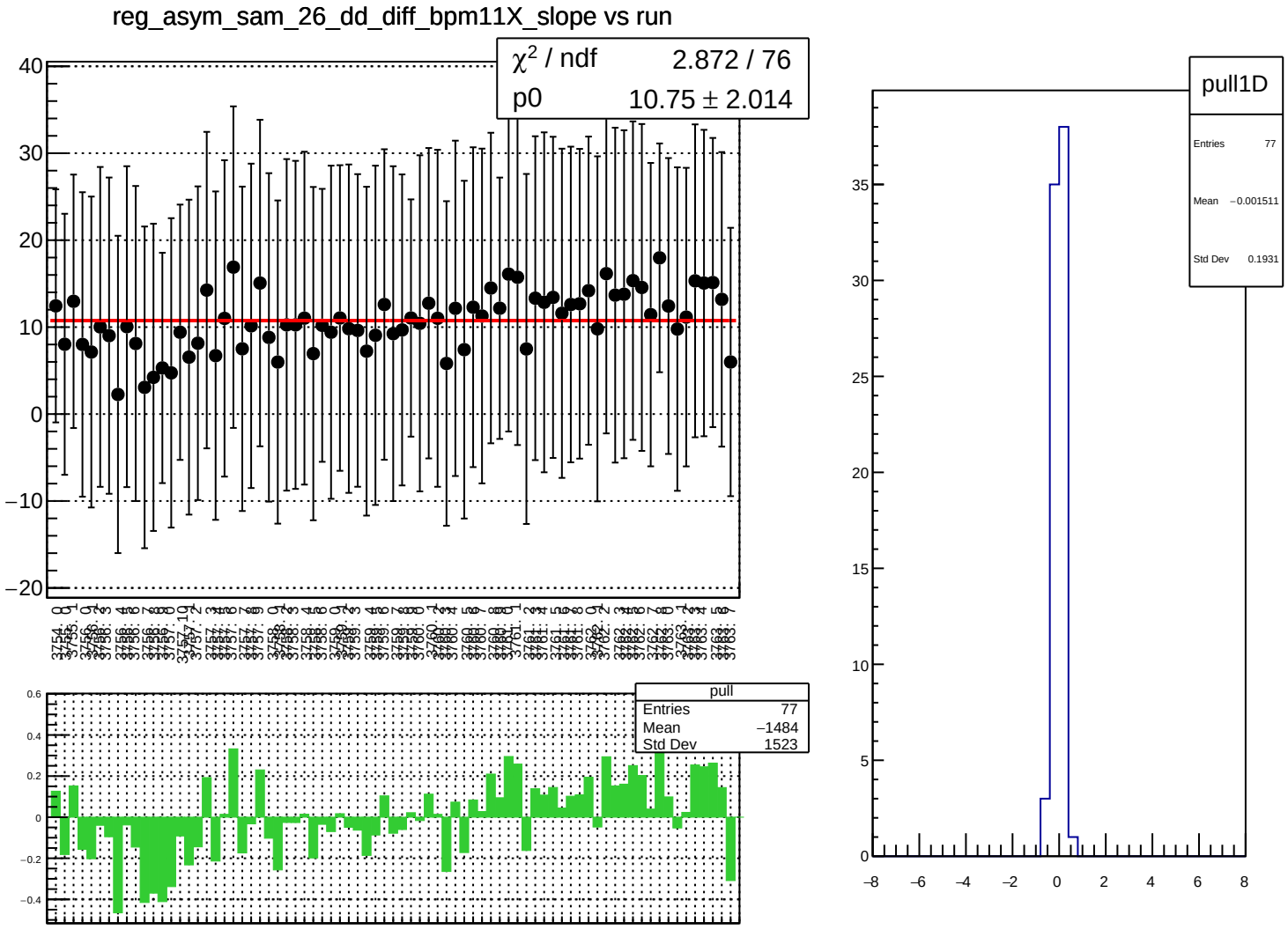

pull1D
Entries 77
Mean 0.0022
Std Dev 0.5298

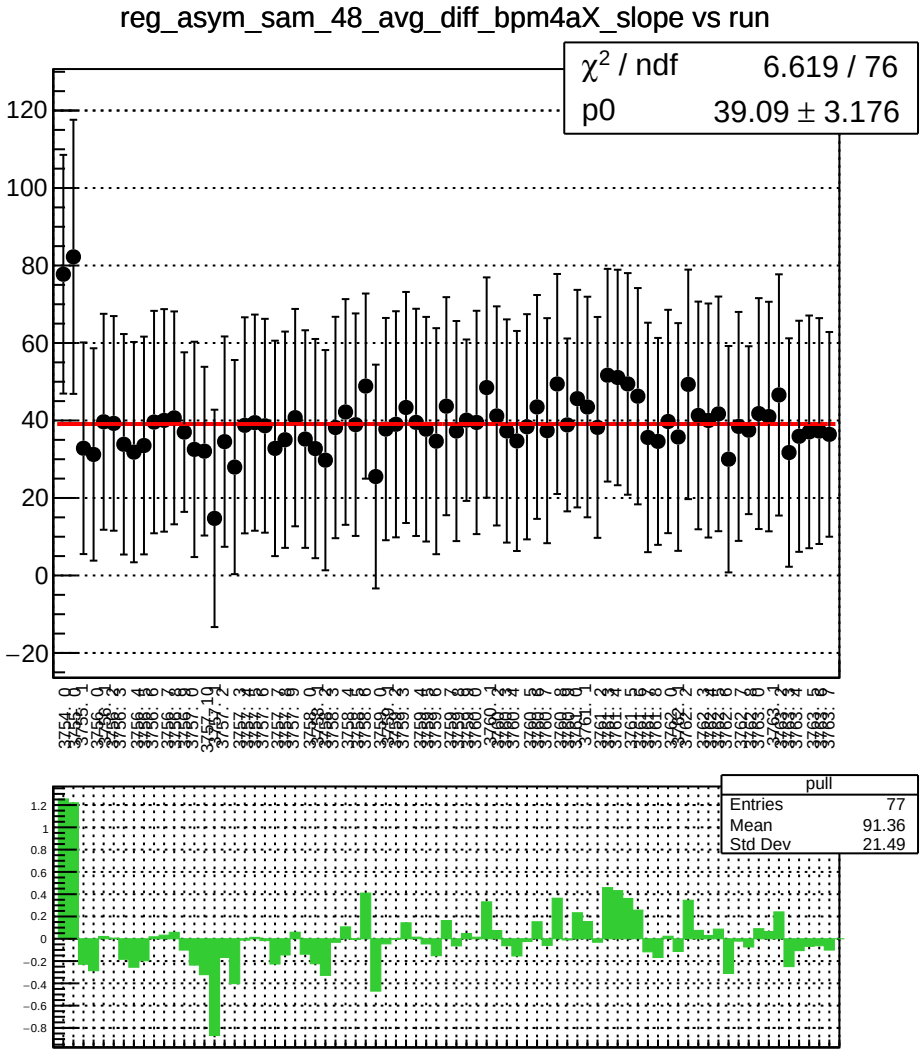

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.12 / 76
p0 −532.4 ± 1.273
pull
Entries 77
Mean 8.762
Std Dev 70.74

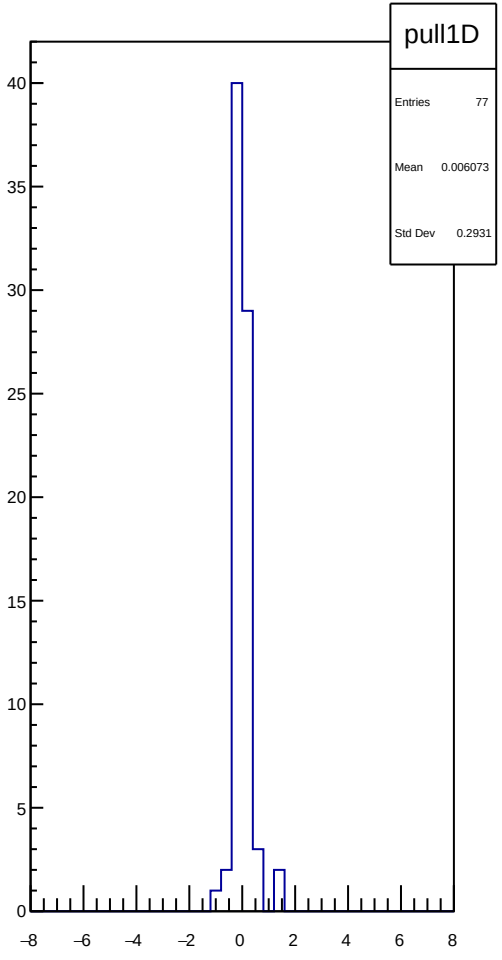

pull1D
Entries 77
Mean 0.02237
Std Dev 0.4846

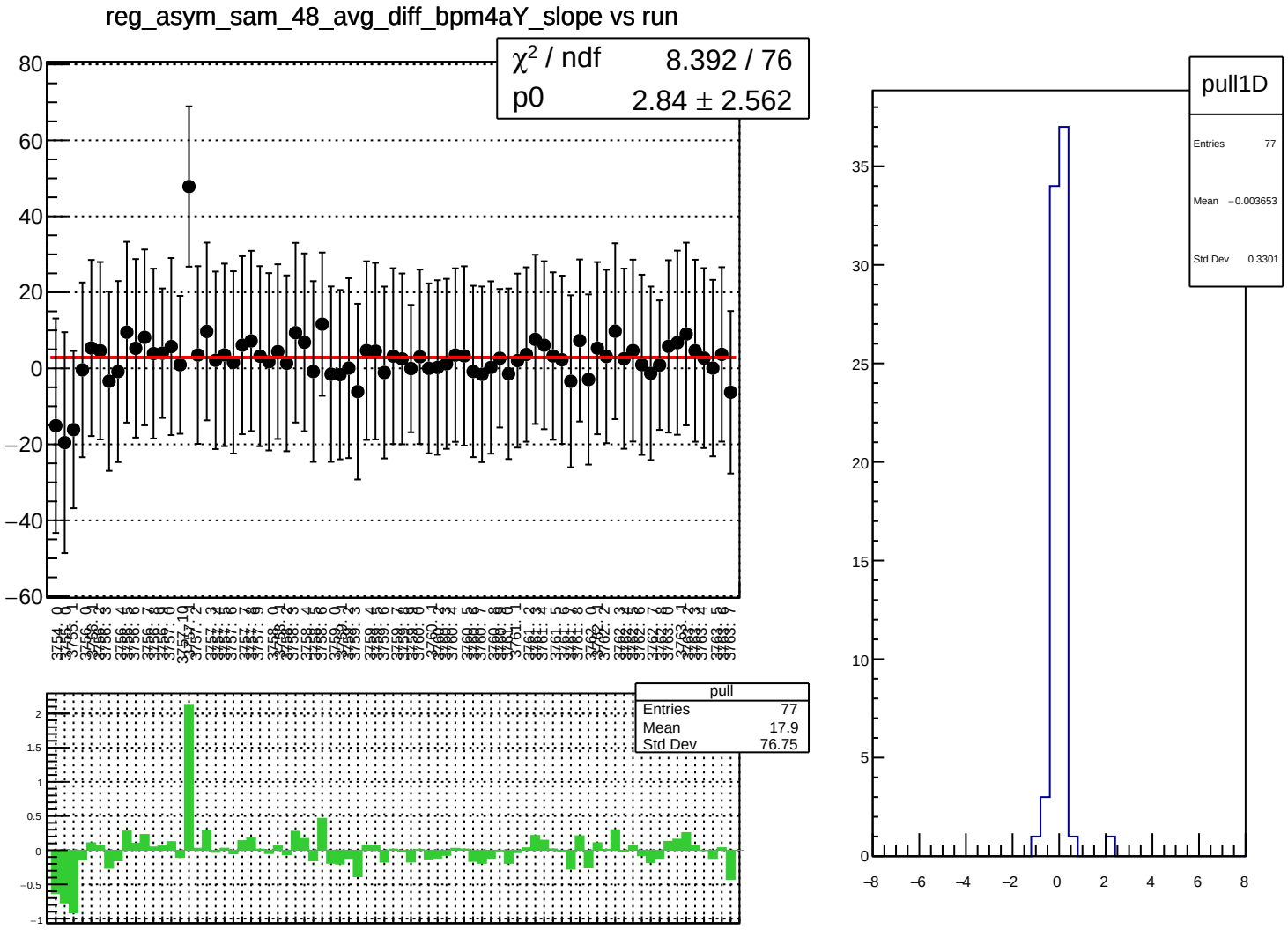

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.04 / 76
p0 116.1 ± 9.064
pull
Entries 77
Mean 122.4
Std Dev 118.7

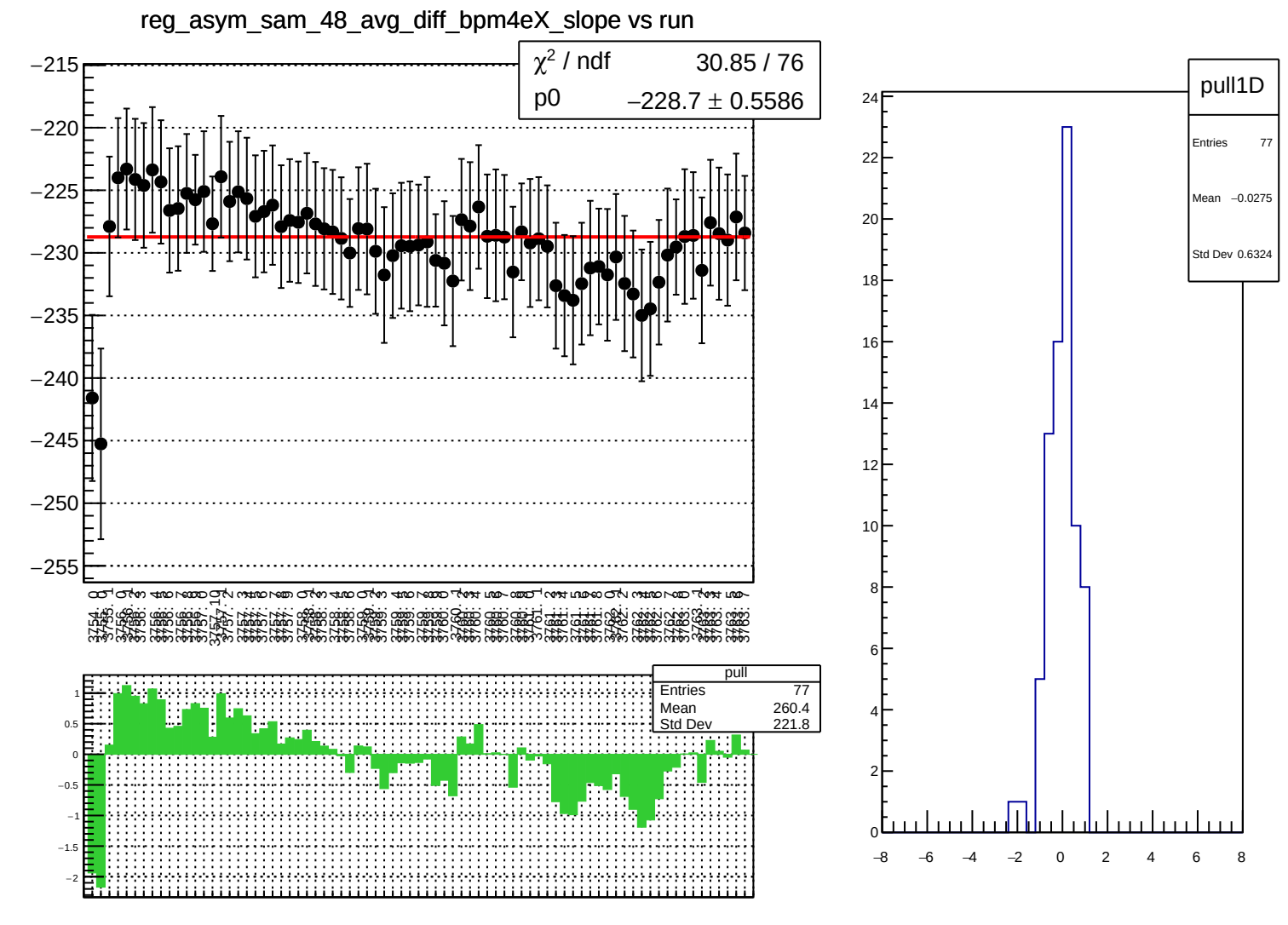

pull1D
Entries 77
Mean 0.01346
Std Dev 0.5099

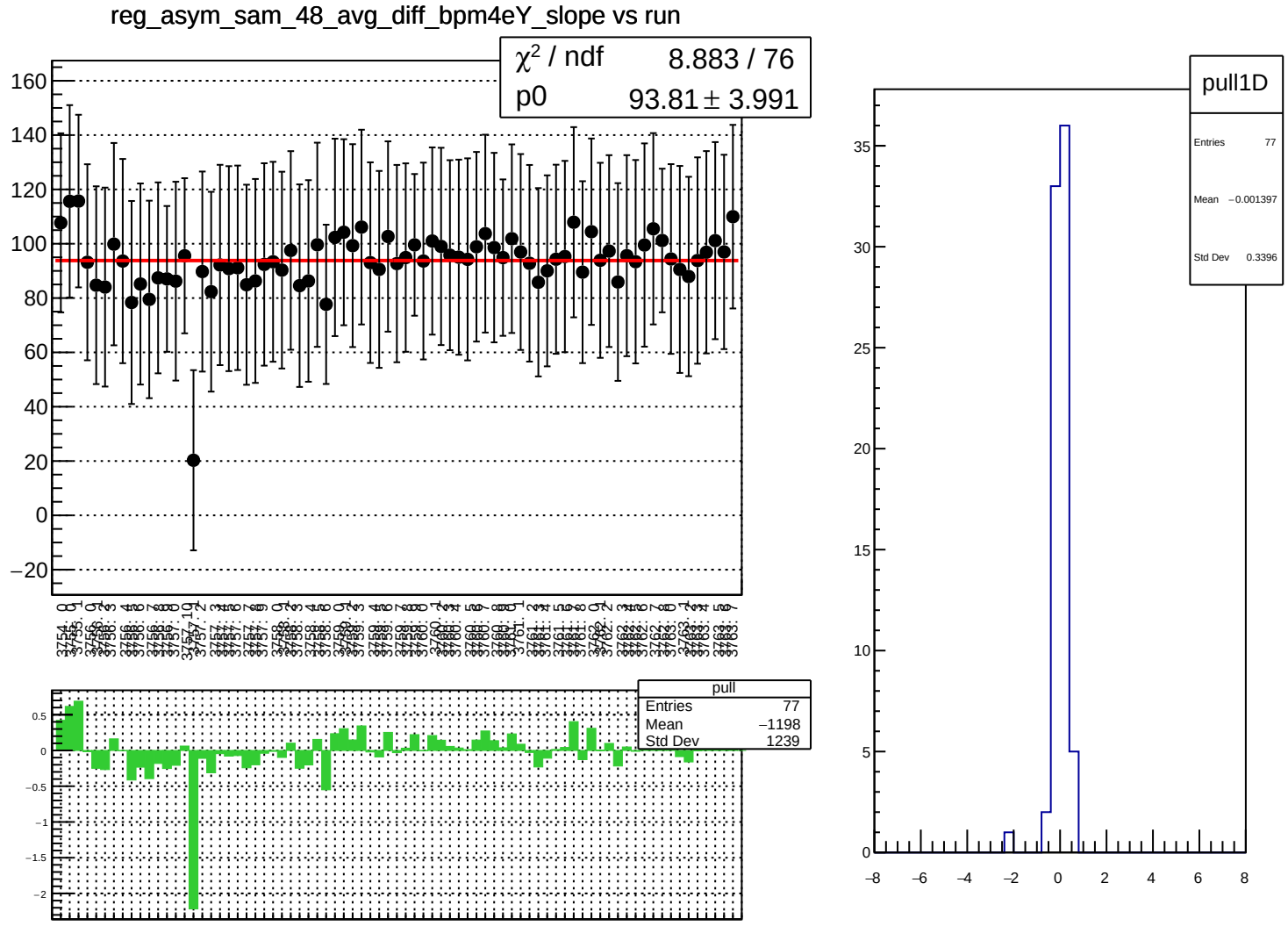

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 2.872 / 76
p0 10.75 ± 2.014
pull
Entries 77
Mean −1484
Std Dev 1523
pull1D
Entries 77
Mean −0.001511
Std Dev 0.1931

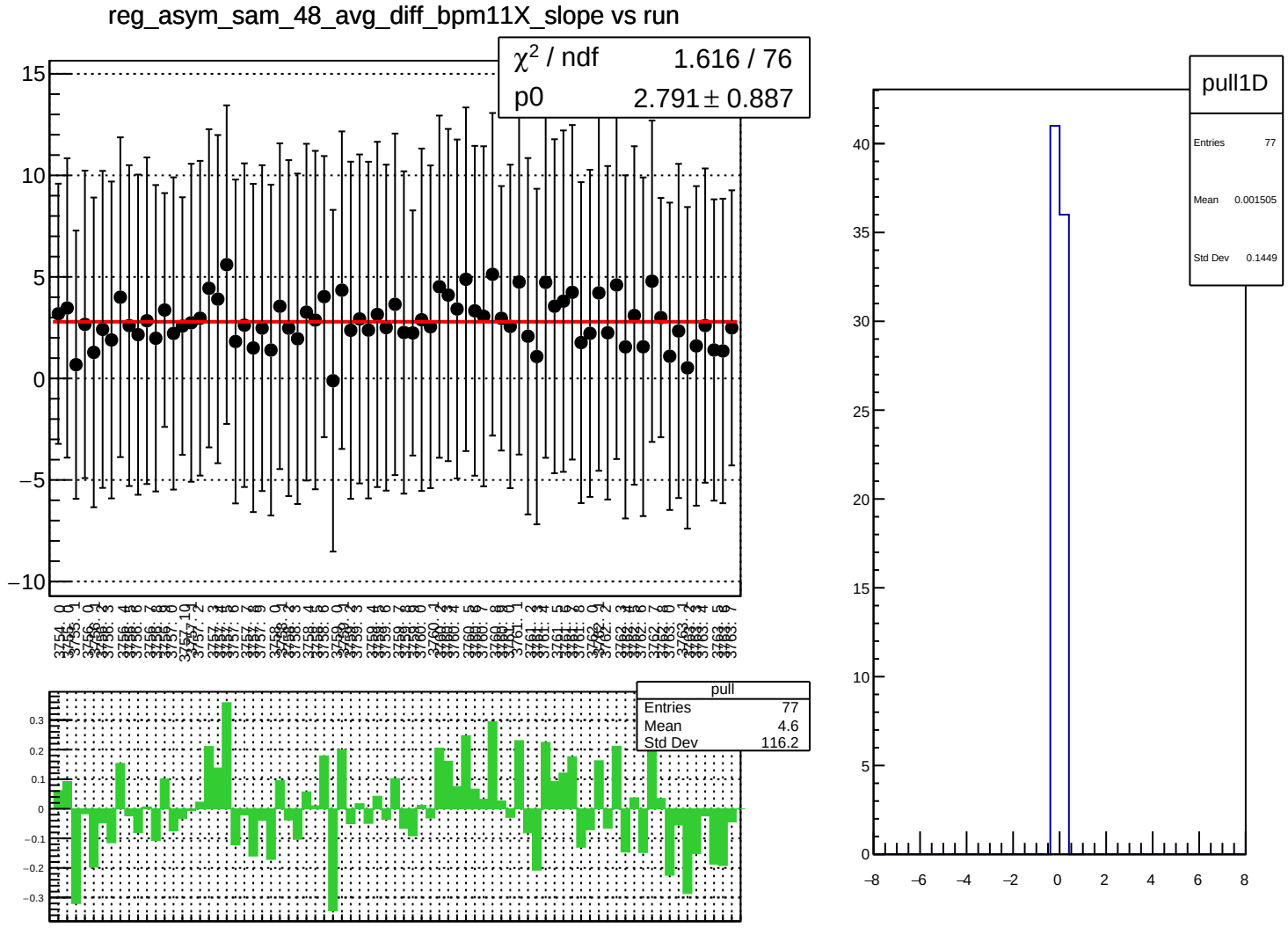

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 6.619 / 76
p0 39.09 ± 3.176
pull
Entries 77
Mean 91.36
Std Dev 21.49

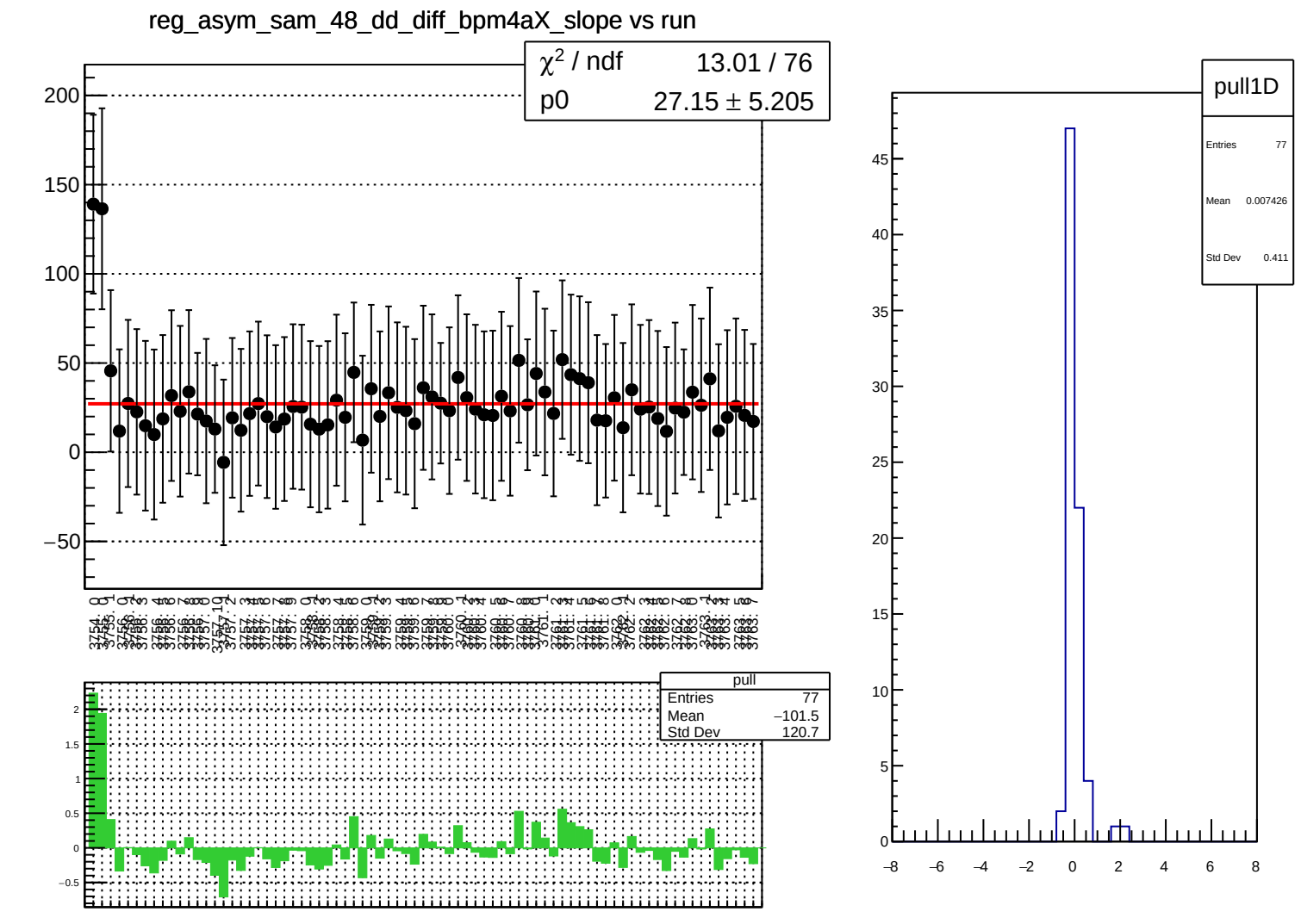

pull1D
Entries 77
Mean 0.006073
Std Dev 0.2931

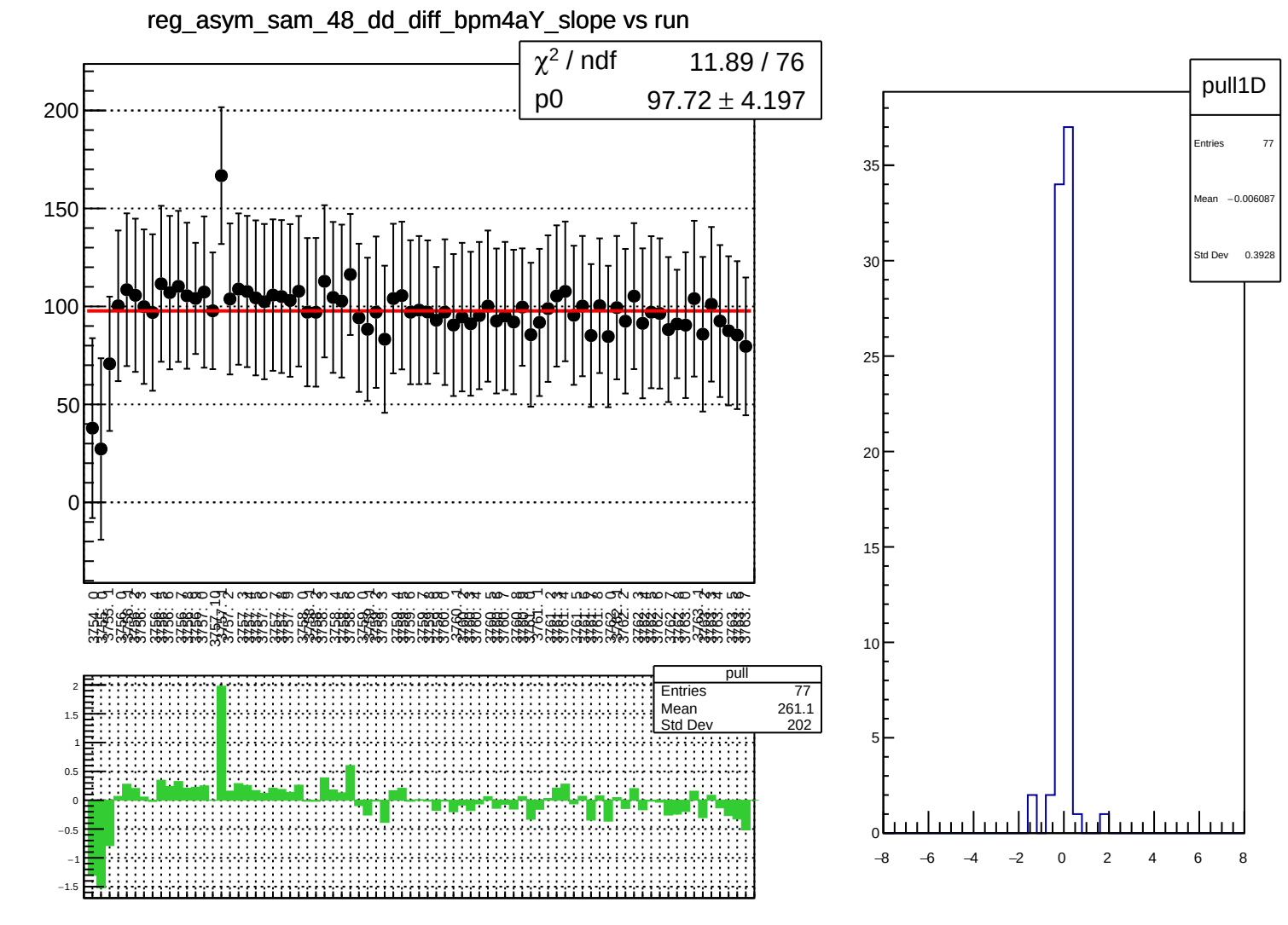

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.392 / 76
p0 2.84 ± 2.562
pull
Entries 77
Mean 17.9
Std Dev 76.75
pull1D
Entries 77
Mean −0.003653
Std Dev 0.3301

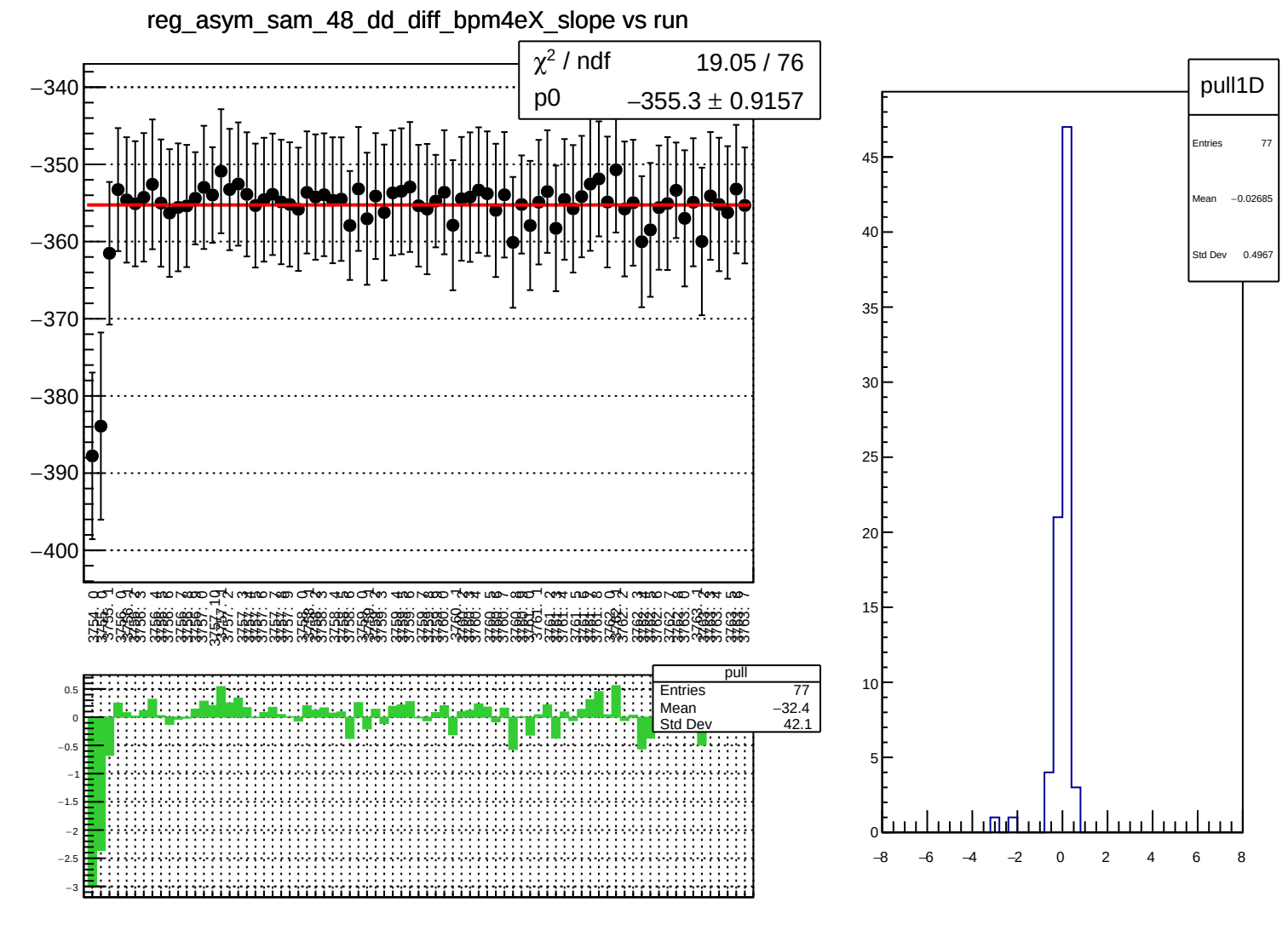

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.85 / 76
p0 −228.7 ± 0.5586
pull
Entries 77
Mean 260.4
Std Dev 221.8
pull1D
Entries 77
Mean −0.0275
Std Dev 0.6324

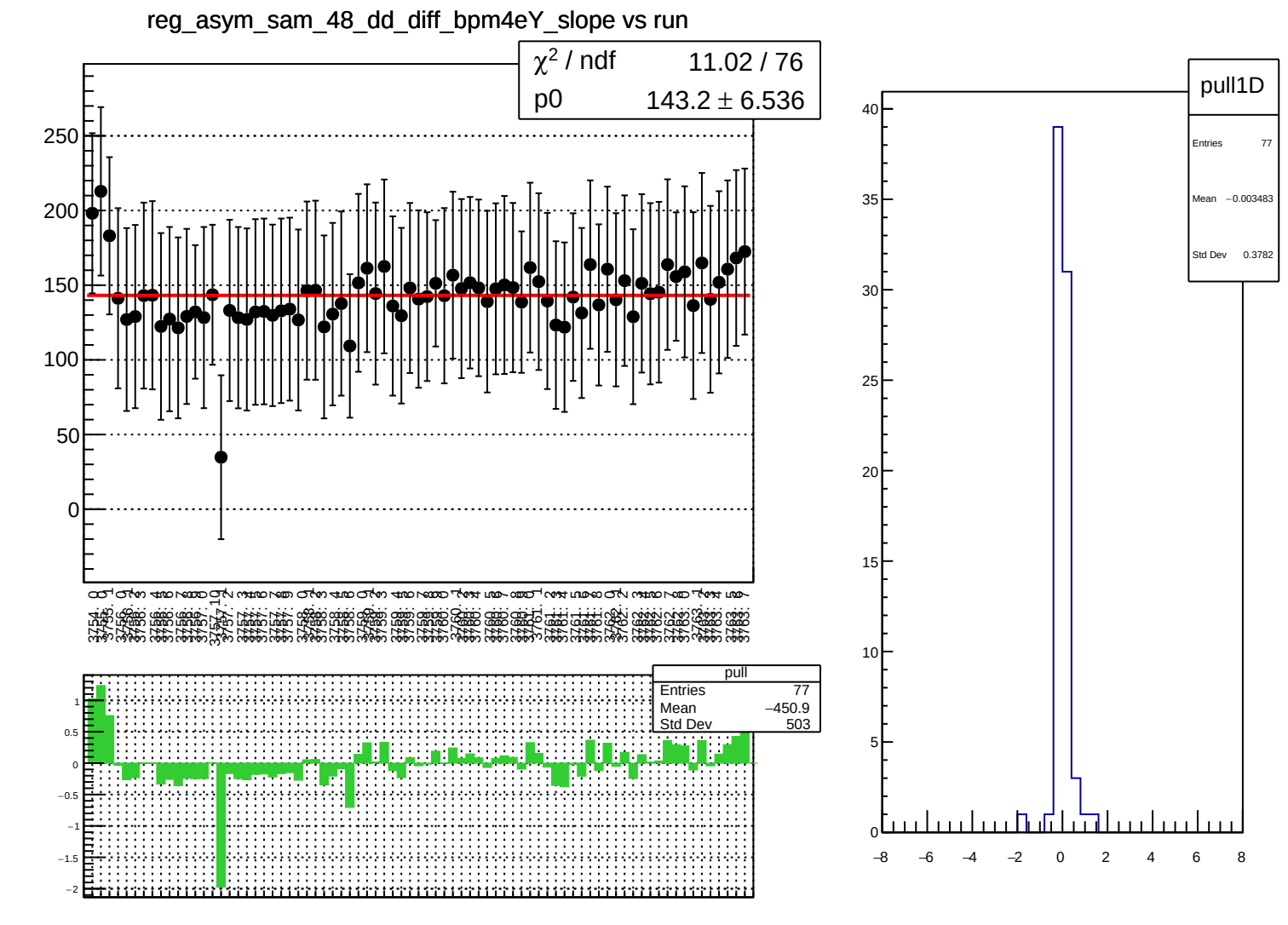

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.883 / 76
p0 93.81 ± 3.991
pull
Entries 77
Mean −1198
Std Dev 1239
pull1D
Entries 77
Mean −0.001397
Std Dev 0.3396

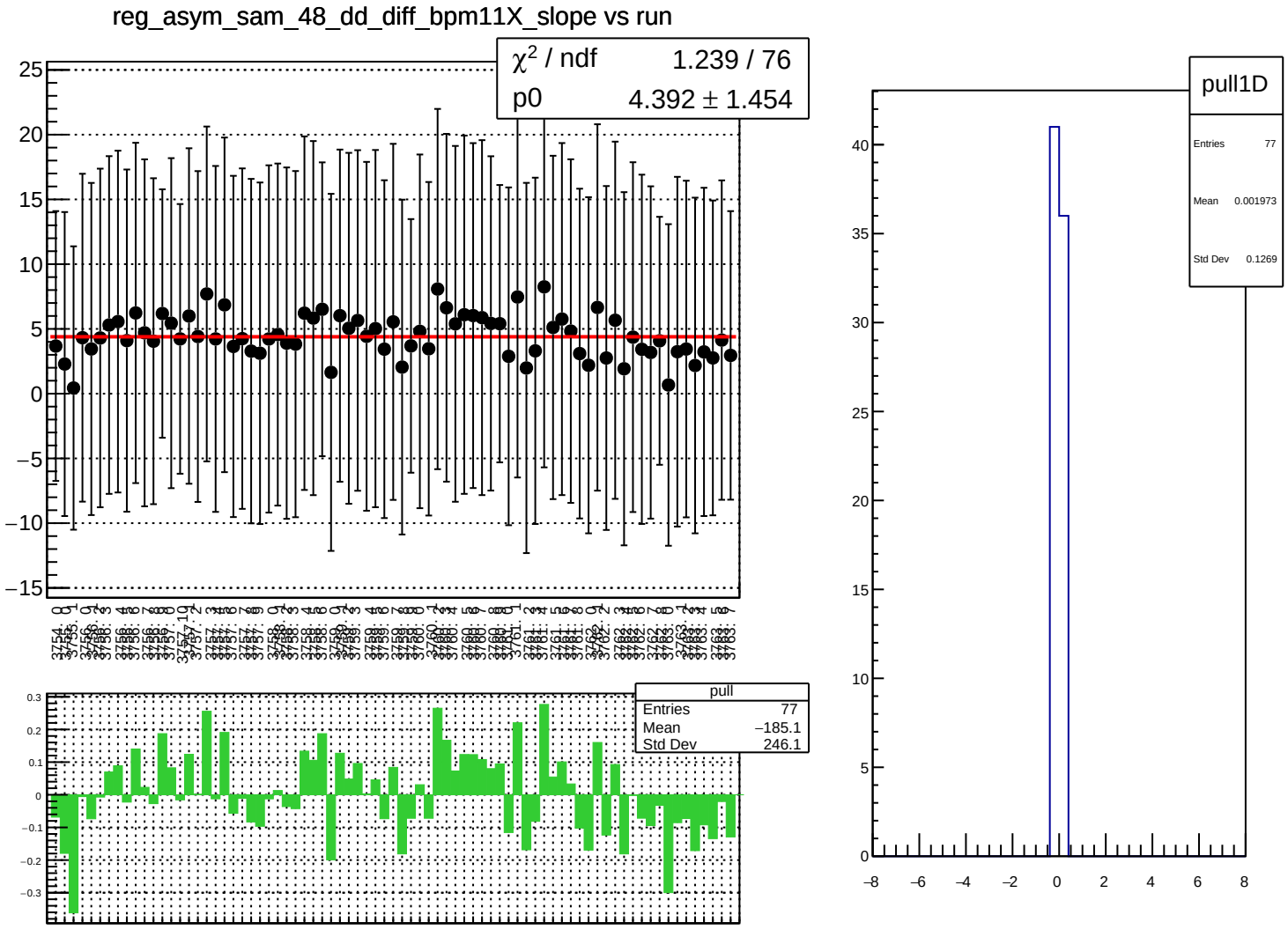

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 1.616 / 76
p0 2.791 ± 0.887
pull
Entries 77
Mean 4.6
Std Dev 116.2
pull1D
Entries 77
Mean 0.001505
Std Dev 0.1449

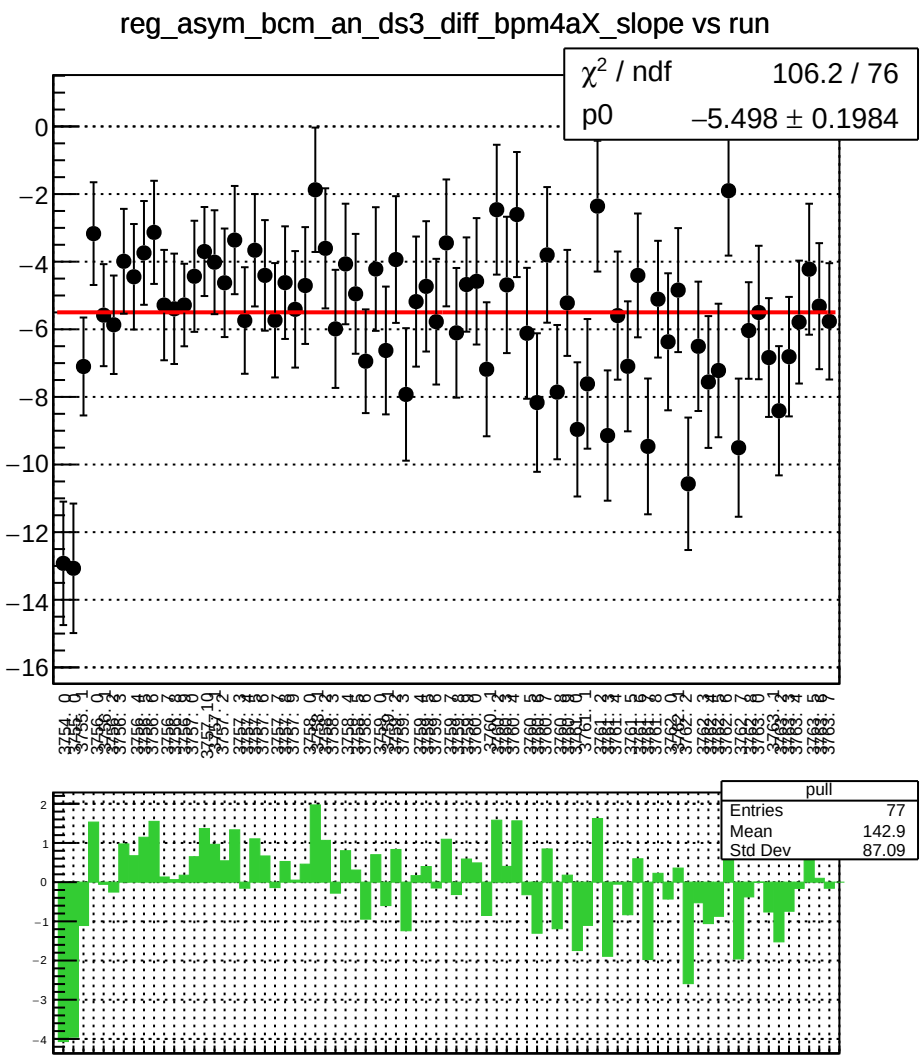

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 13.01 / 76
p0 27.15 ± 5.205
200
150
100
50
0
−50
pull
Entries 77
Mean −101.5
Std Dev 120.7
2
1.5
1
0.5
0
−0.5
pull1D
Entries 77
Mean 0.007426
Std Dev 0.411
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

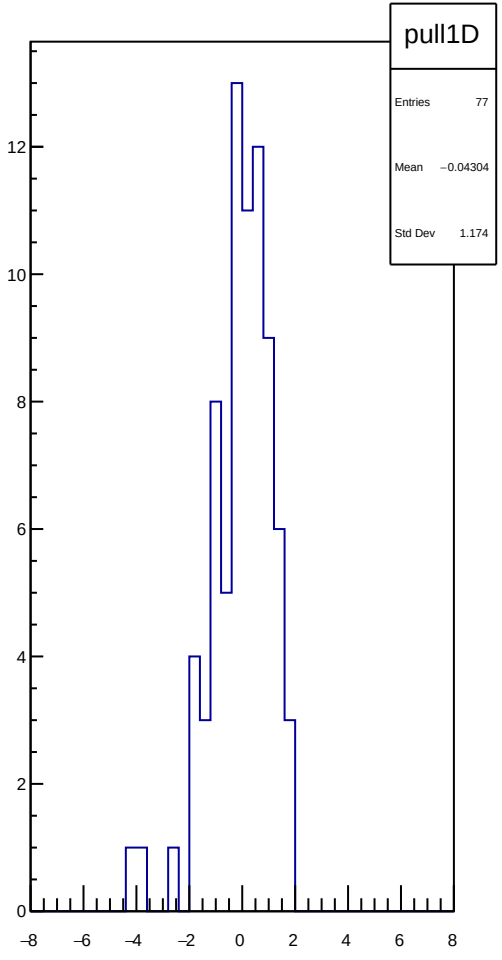

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.89 / 76
p0 97.72 ± 4.197
200
150
100
50
0
pull
Entries 77
Mean 261.1
Std Dev 202
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 77
Mean −0.006087
Std Dev 0.3928
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

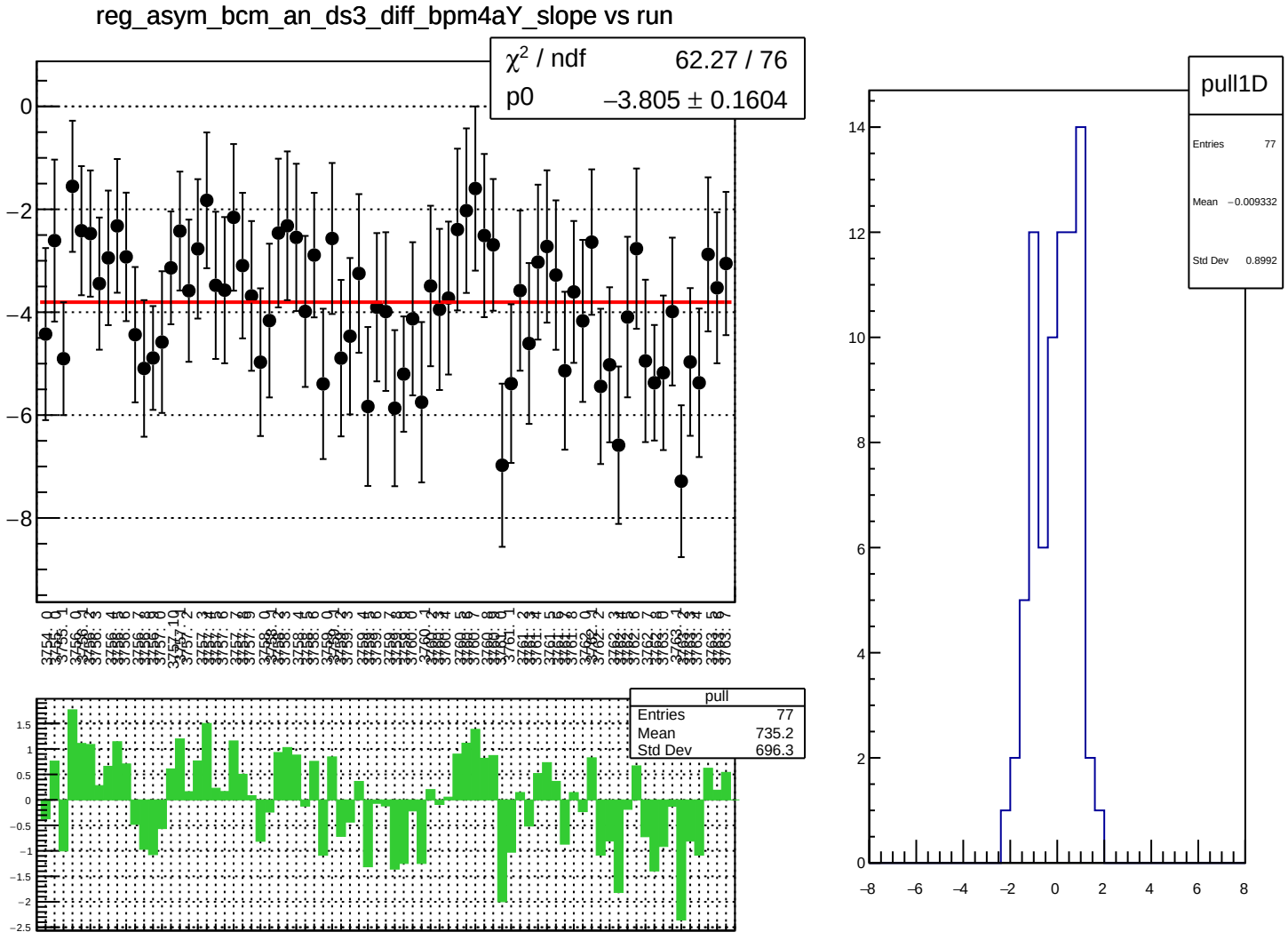

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.05 / 76
p0 −355.3 ± 0.9157
−340
−350
−360
−370
−380
−390
−400
pull
Entries 77
Mean −32.4
Std Dev 42.1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 77
Mean −0.02685
Std Dev 0.4967
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

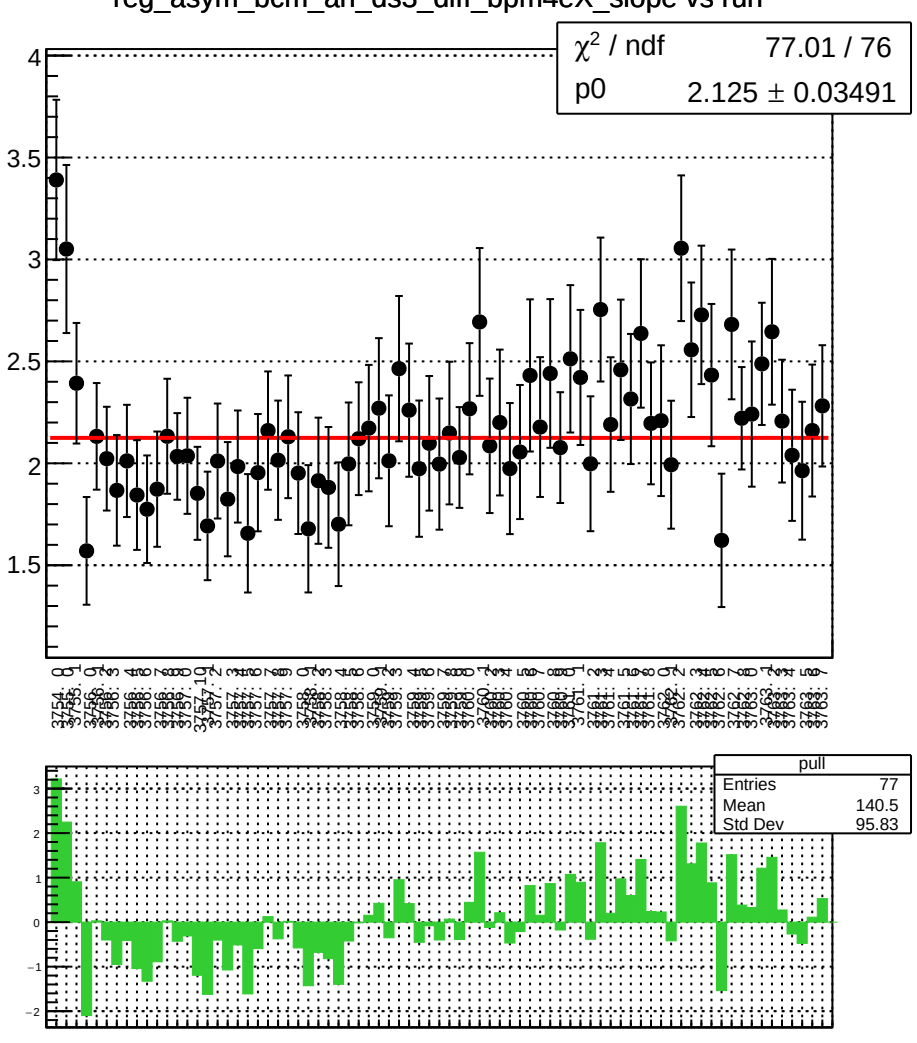

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.02 / 76
p0 143.2 ± 6.536
250
200
150
100
50
0
pull
Entries 77
Mean −450.9
Std Dev 503
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 77
Mean −0.003483
Std Dev 0.3782
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

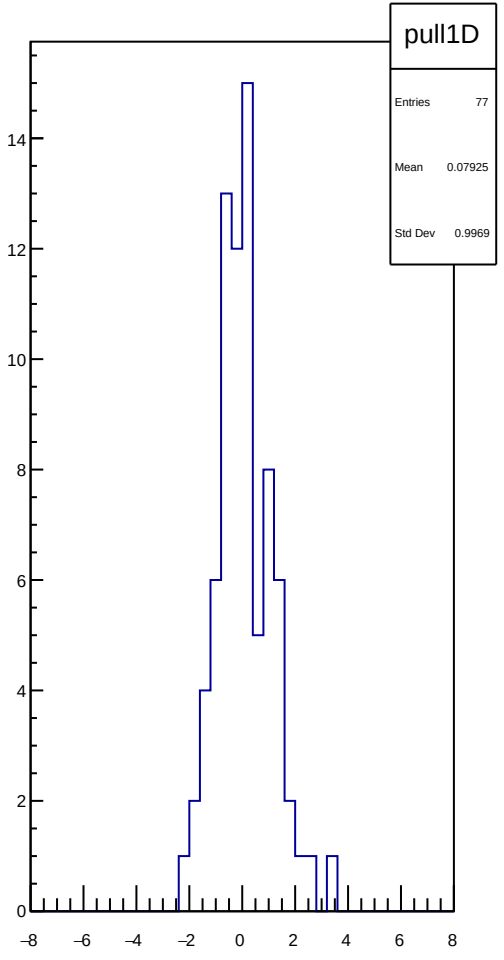

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 1.239 / 76
p0 4.392 ± 1.454
pull
Entries 77
Mean −185.1
Std Dev 246.1
pull1D
Entries 77
Mean 0.001973
Std Dev 0.1269

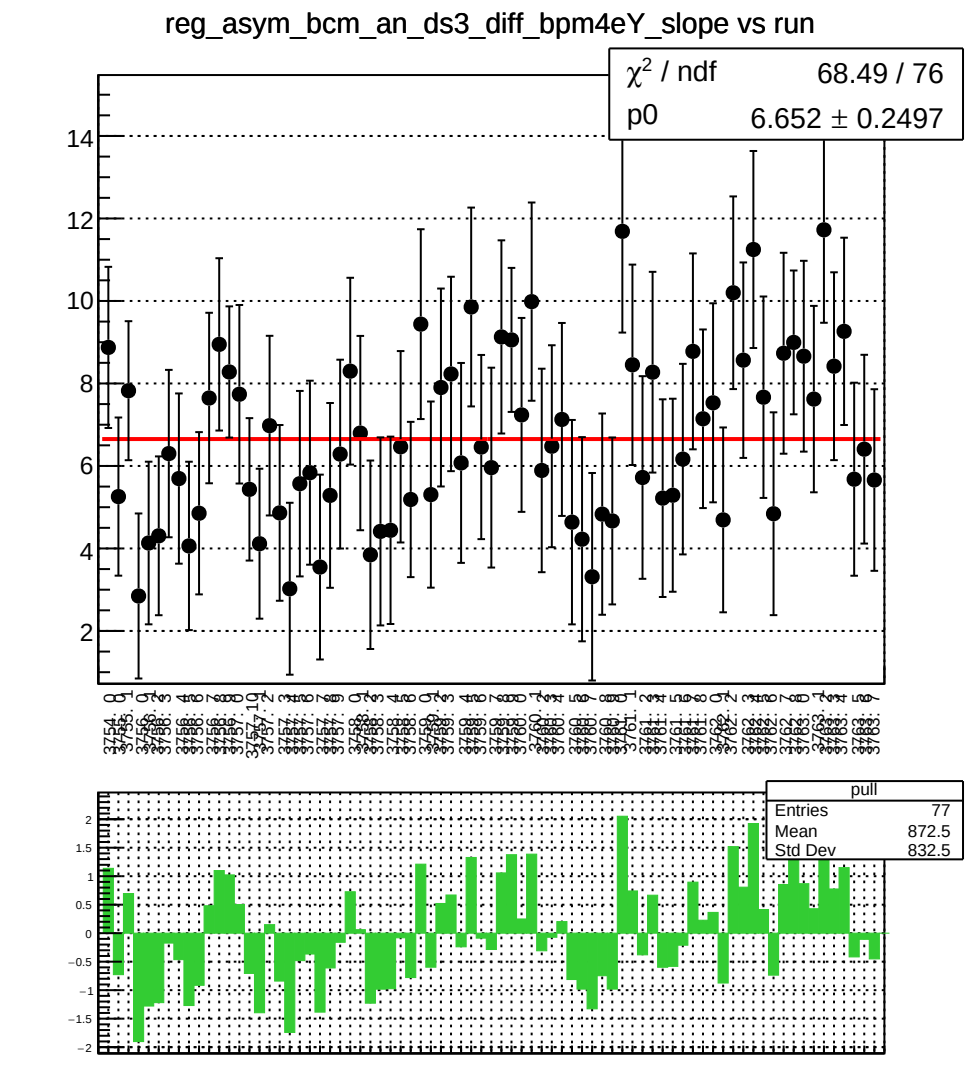

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 106.2 / 76
p0 −5.498 ± 0.1984
pull
Entries 77
Mean 142.9
Std Dev 87.09

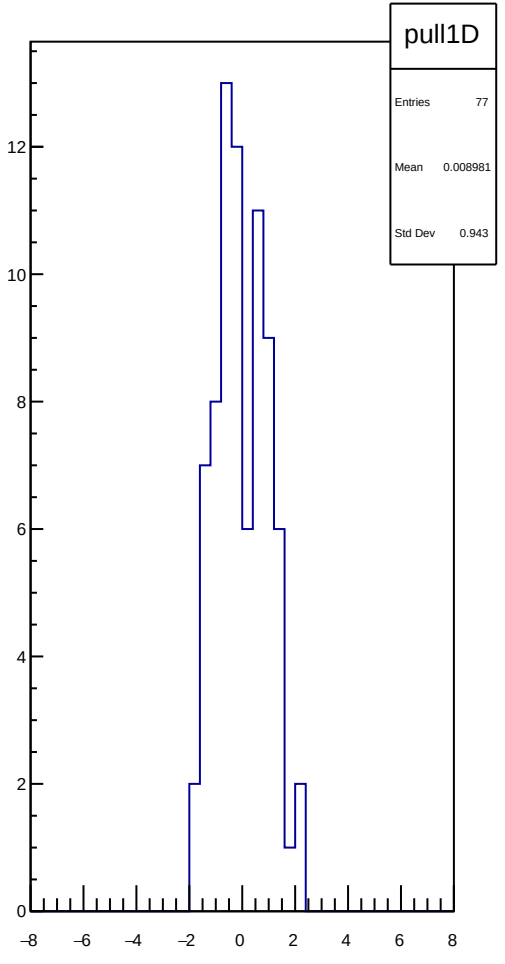

pull1D
Entries 77
Mean −0.04304
Std Dev 1.174

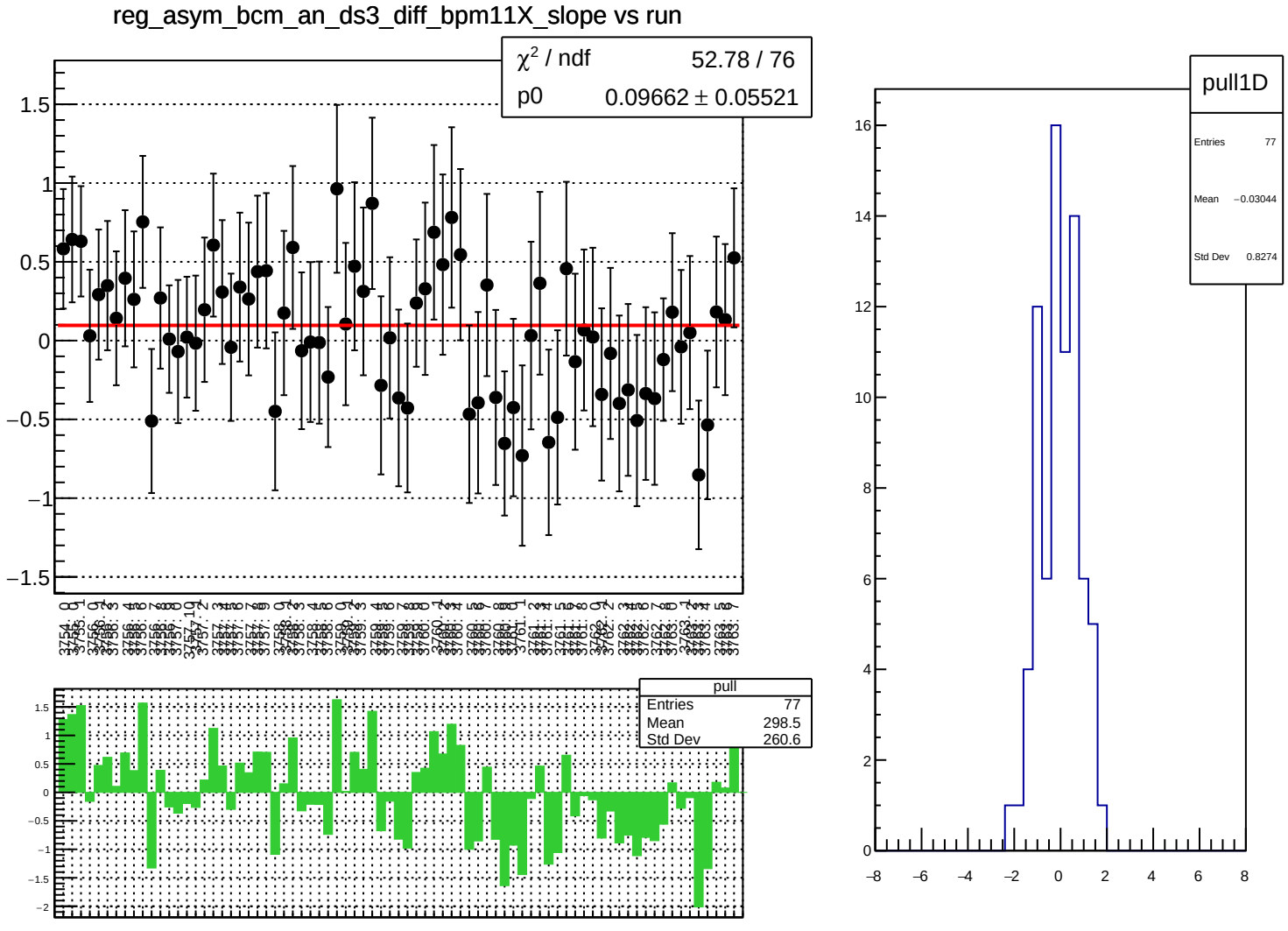

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 62.27 / 76
p0 −3.805 ± 0.1604
pull
Entries 77
Mean 735.2
Std Dev 696.3
pull1D
Entries 77
Mean −0.009332
Std Dev 0.8992

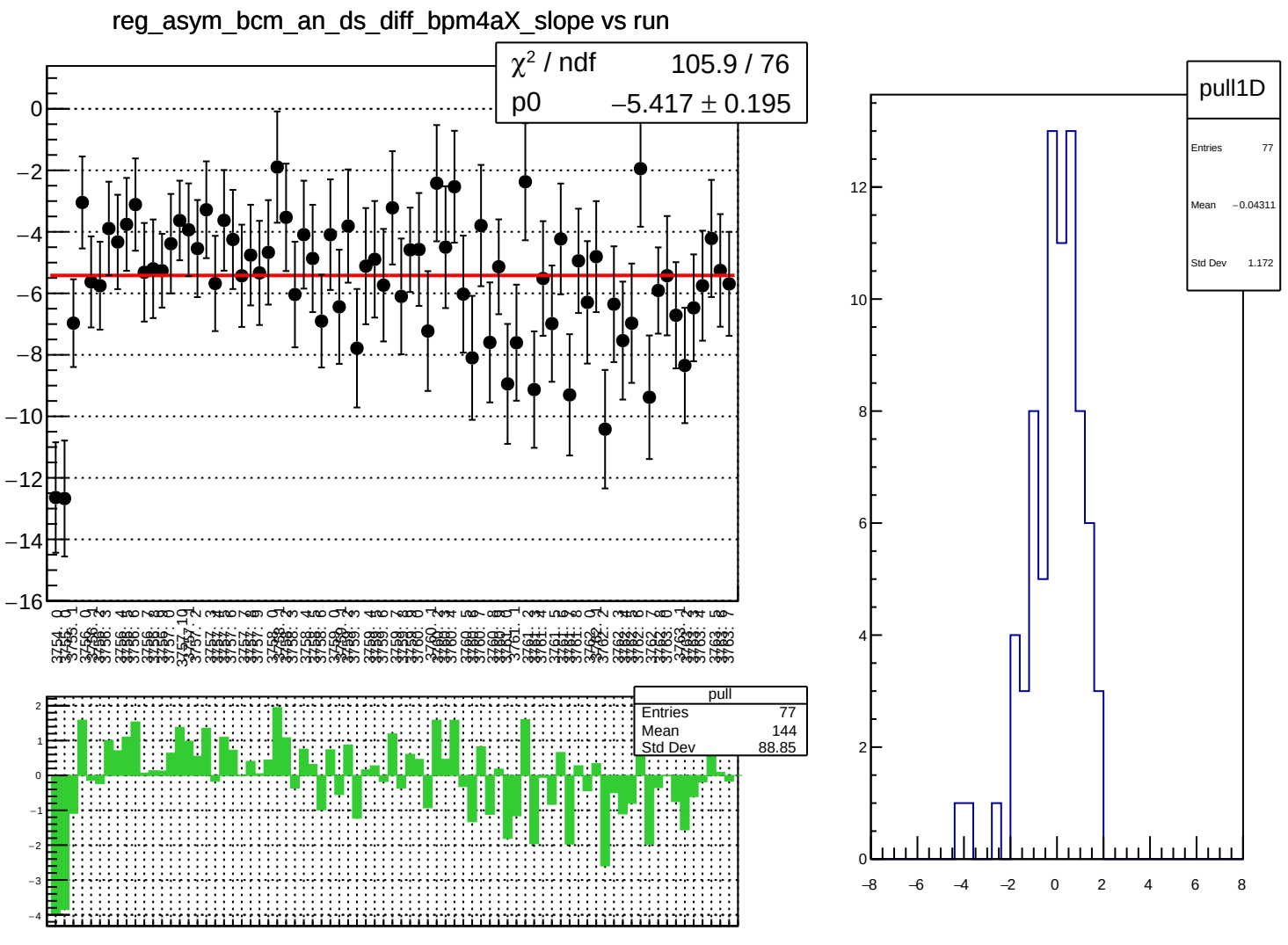

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 77.01 / 76
p0 2.125 ± 0.03491
pull
Entries 77
Mean 140.5
Std Dev 95.83

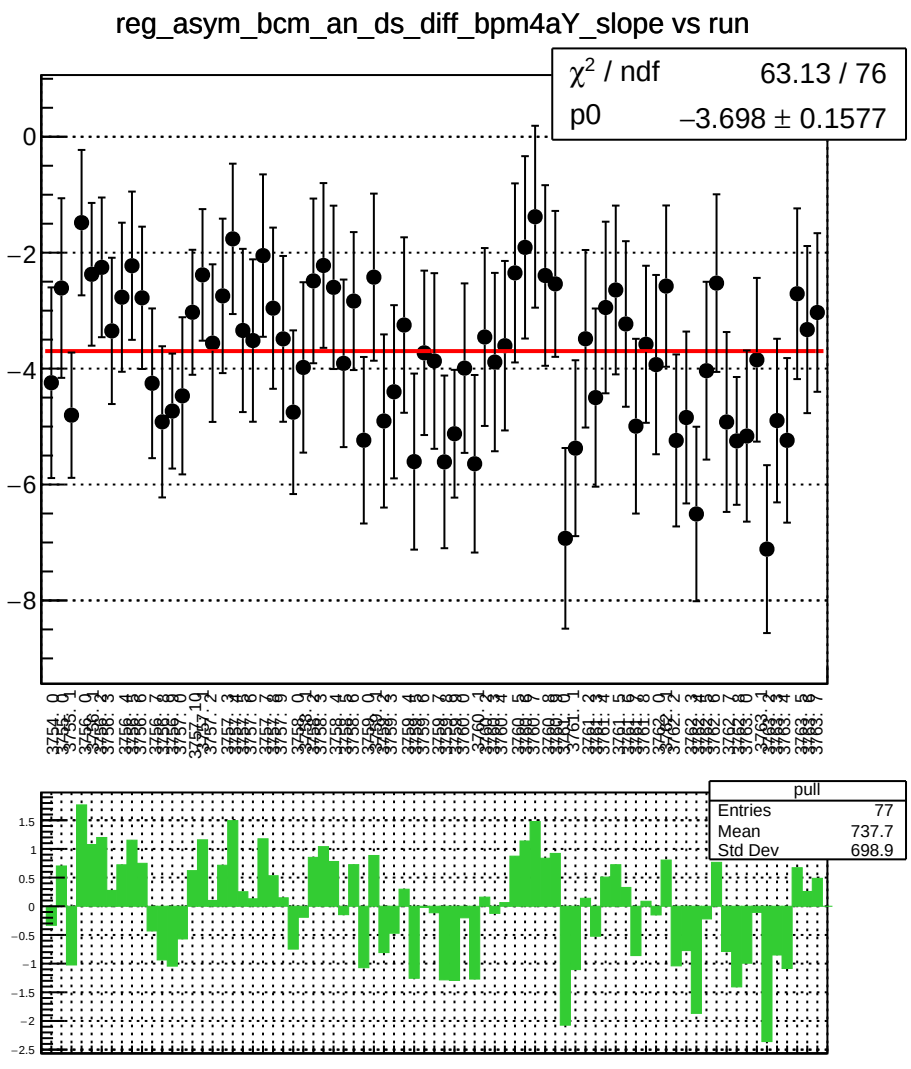

pull1D
Entries 77
Mean 0.07925
Std Dev 0.9969

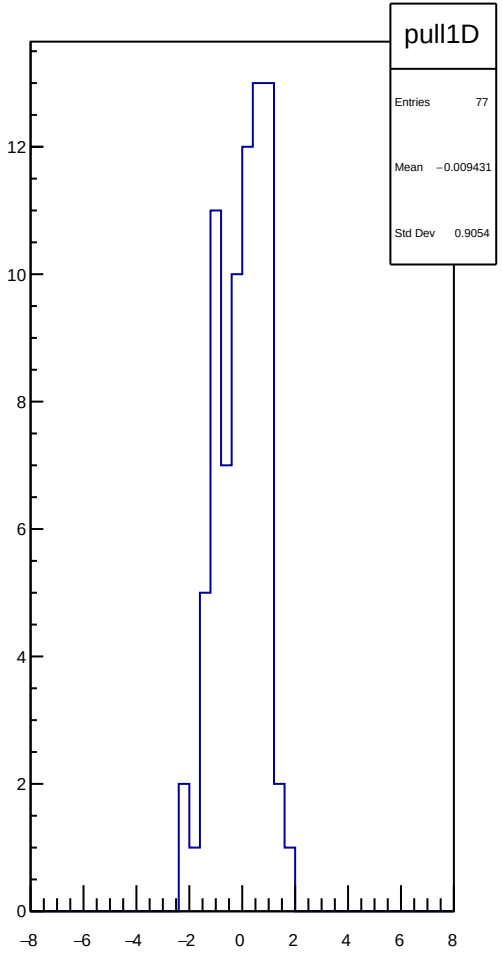

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 68.49 / 76
p0 6.652 ± 0.2497
pull
Entries 77
Mean 872.5
Std Dev 832.5

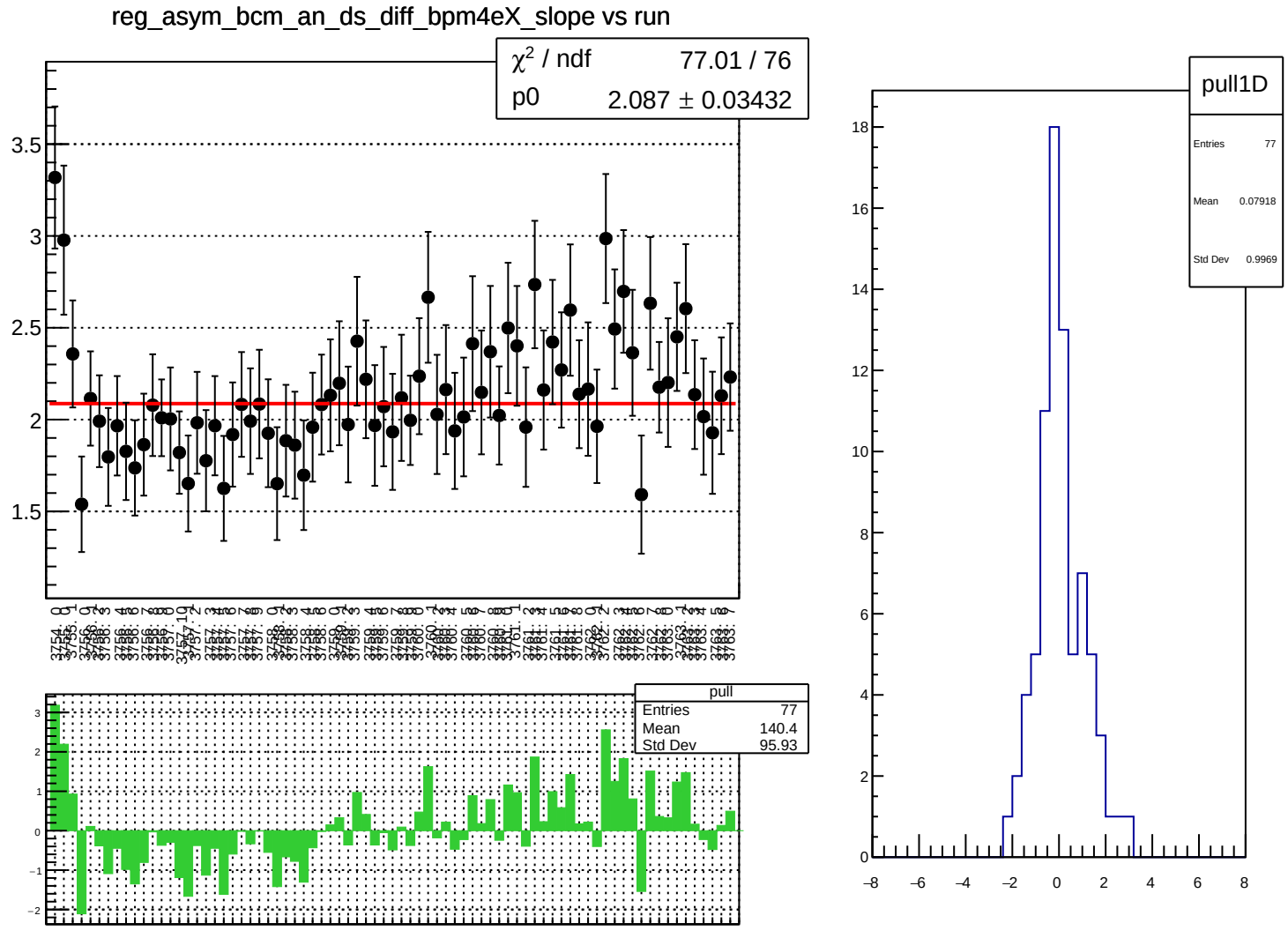

pull1D
Entries 77
Mean 0.008981
Std Dev 0.943

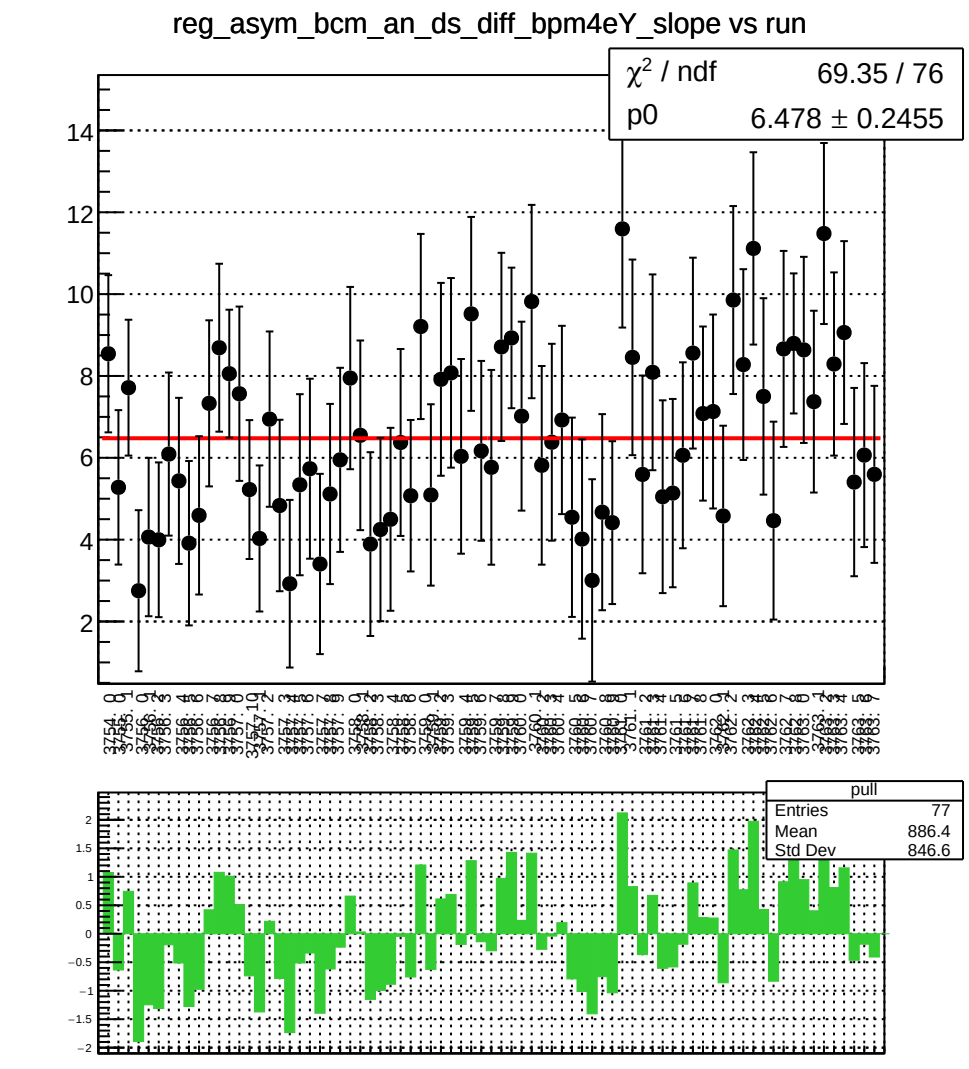

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 52.78 / 76
p0 0.09662 ± 0.05521
pull
Entries 77
Mean 298.5
Std Dev 260.6
pull1D
Entries 77
Mean −0.03044
Std Dev 0.8274

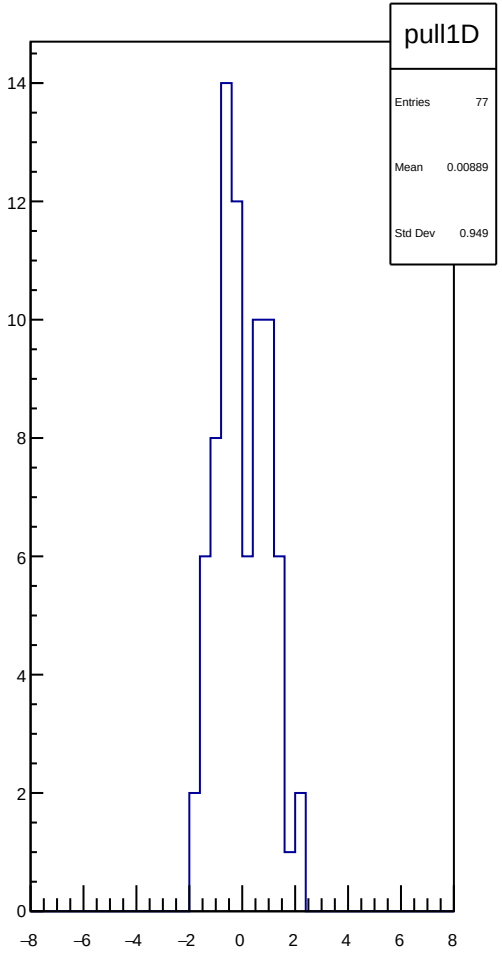

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 105.9 / 76
p0 −5.417 ± 0.195
pull
Entries 77
Mean 144
Std Dev 88.85
pull1D
Entries 77
Mean −0.04311
Std Dev 1.172

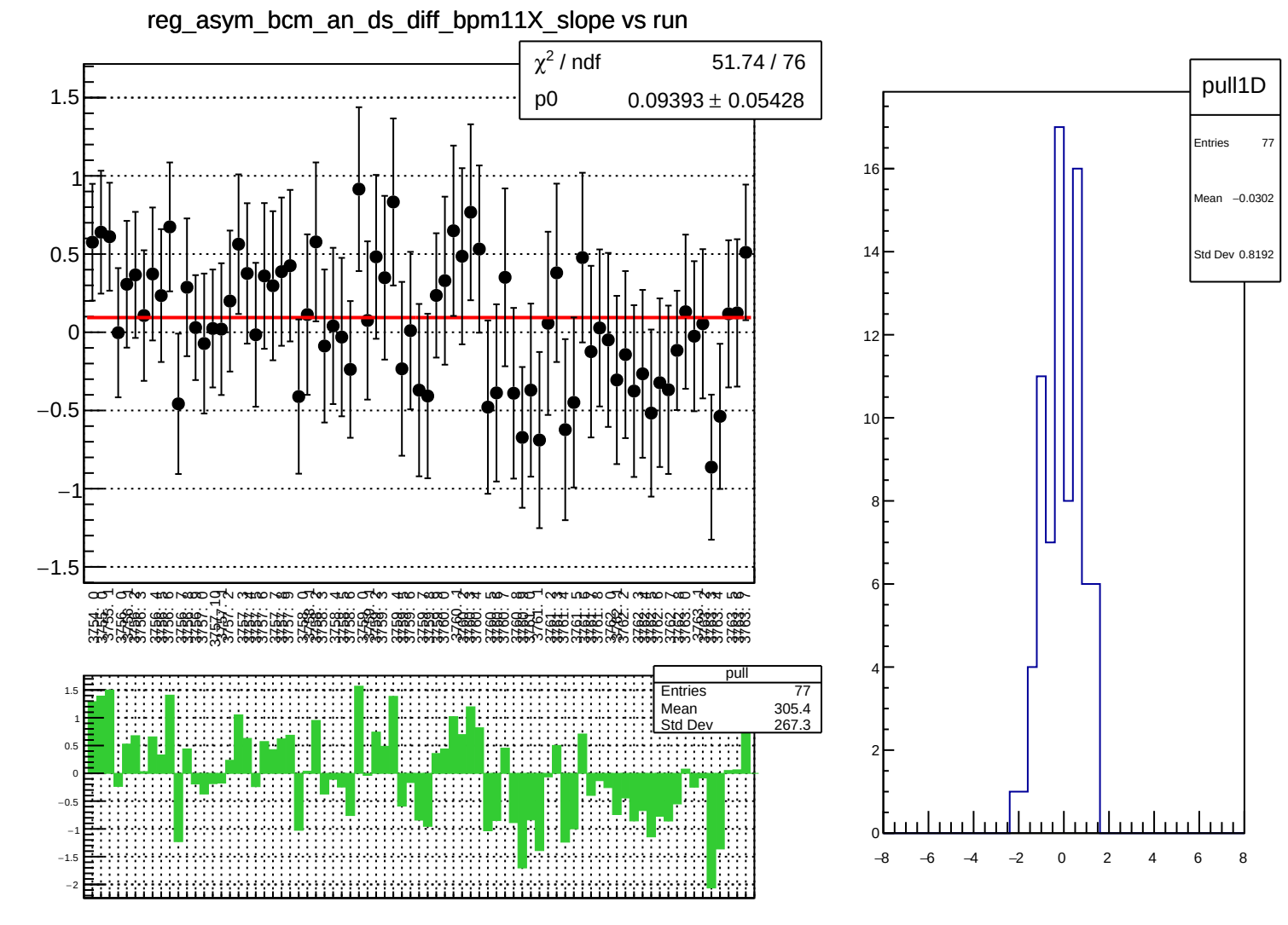

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 63.13 / 76
p0 −3.698 ± 0.1577
pull
Entries 77
Mean 737.7
Std Dev 698.9

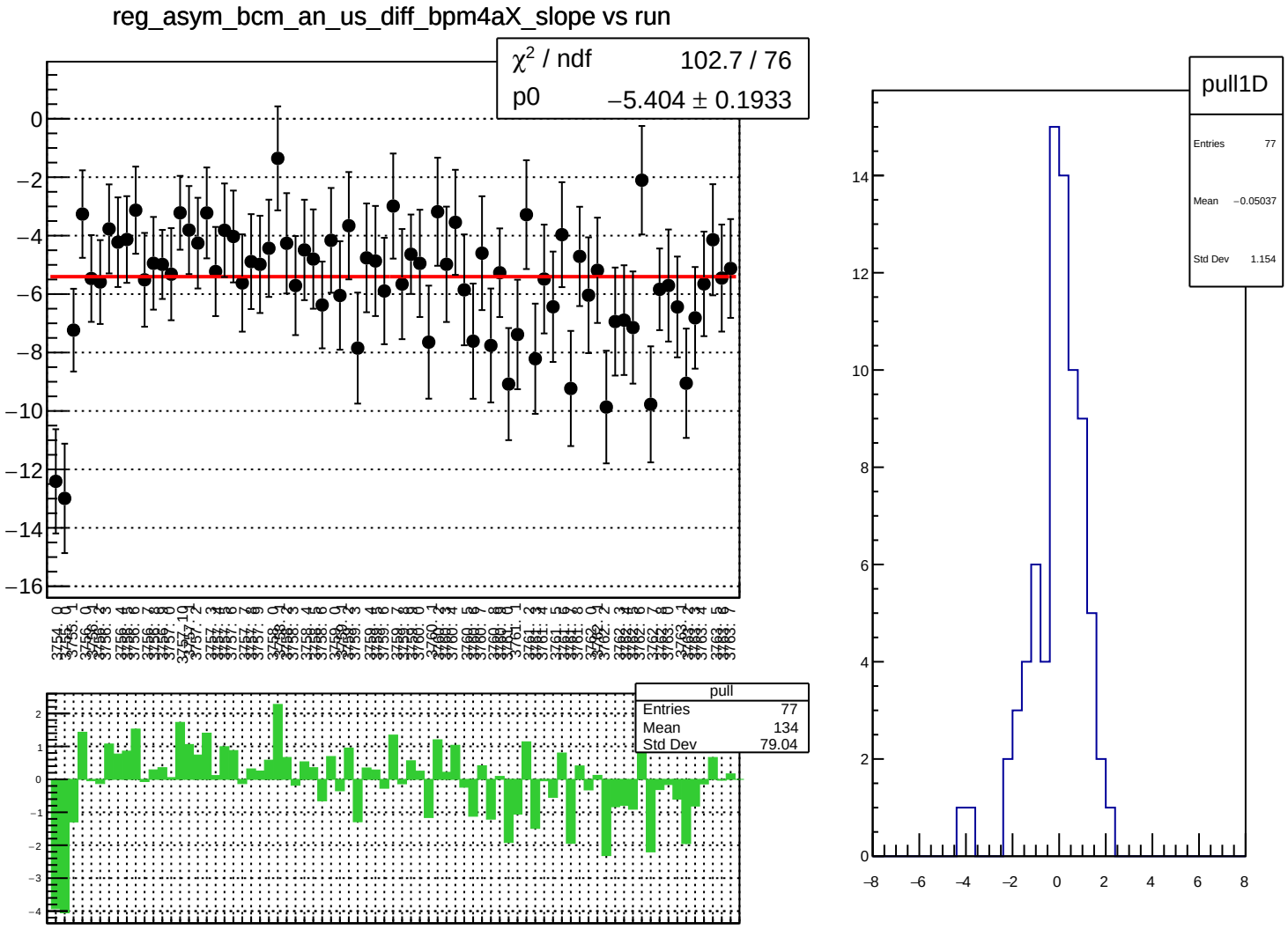

pull1D
Entries 77
Mean −0.009431
Std Dev 0.9054

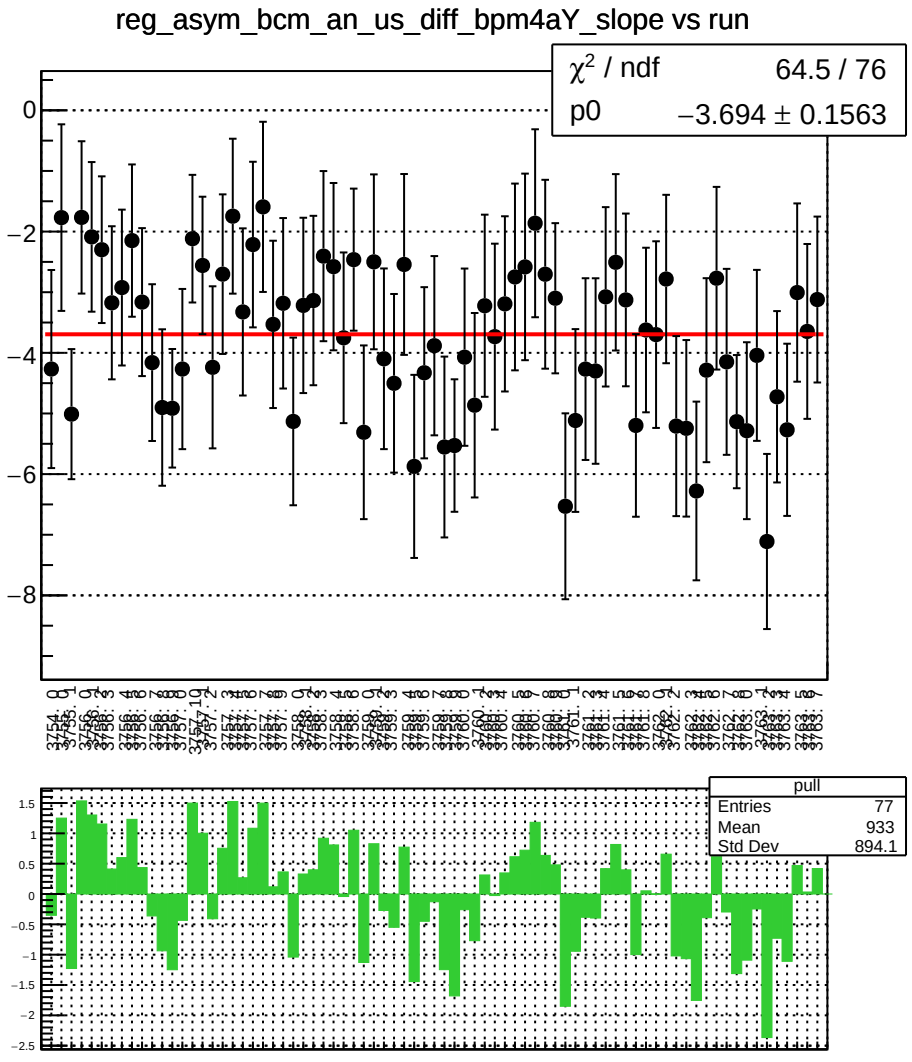

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 77.01 / 76
p0 2.087 ± 0.03432
pull
Entries 77
Mean 140.4
Std Dev 95.93
pull1D
Entries 77
Mean 0.07918
Std Dev 0.9969

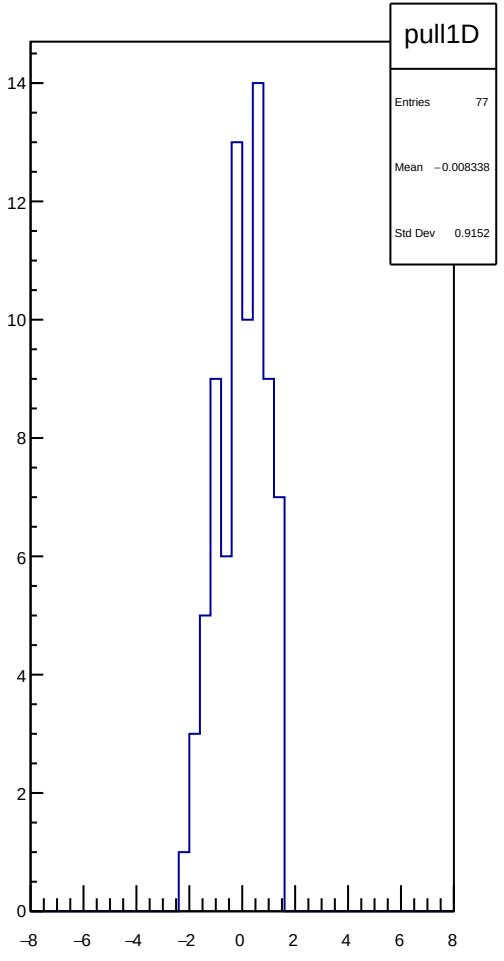

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 69.35 / 76
p0 6.478 ± 0.2455
pull
Entries 77
Mean 886.4
Std Dev 846.6

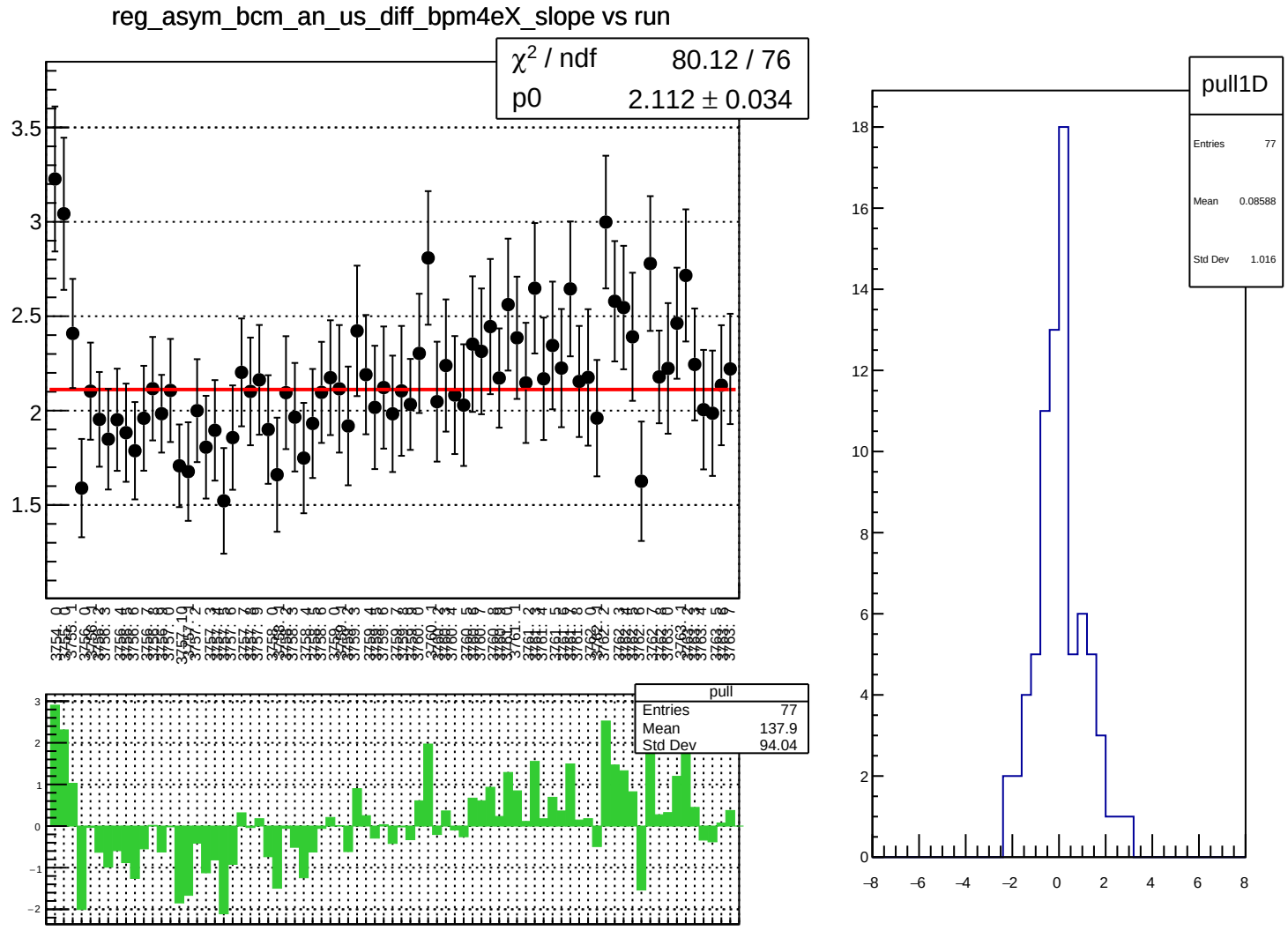

pull1D
Entries 77
Mean 0.00889
Std Dev 0.949

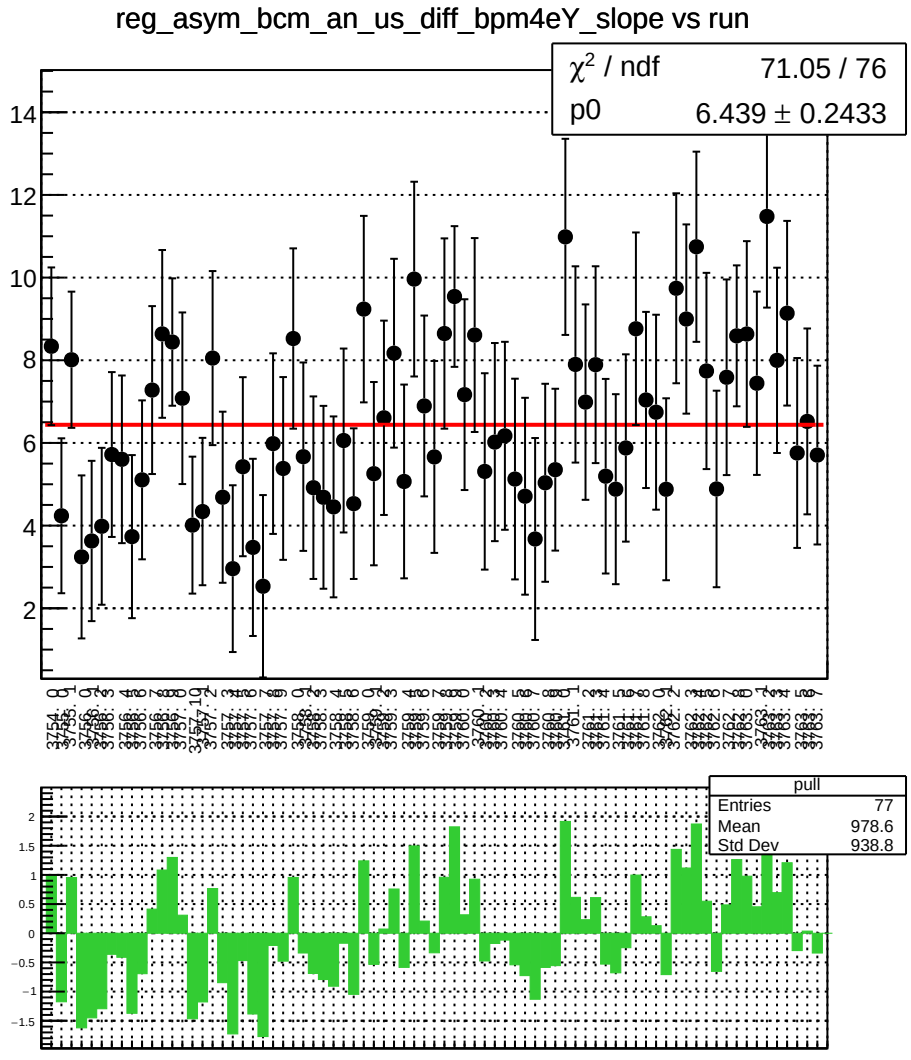

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 51.74 / 76
p0 0.09393 ± 0.05428
pull
Entries 77
Mean 305.4
Std Dev 267.3
pull1D
Entries 77
Mean −0.0302
Std Dev 0.8192

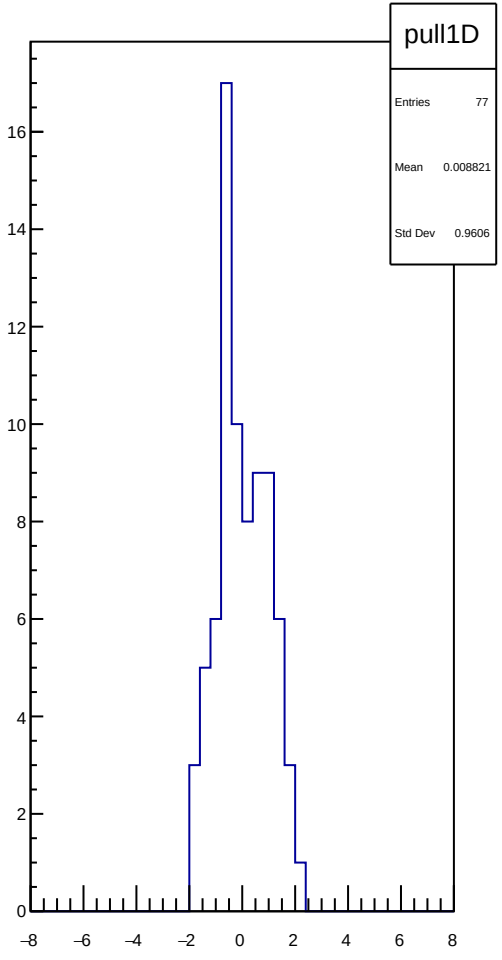

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 102.7 / 76
p0 −5.404 ± 0.1933
pull
Entries 77
Mean 134
Std Dev 79.04
pull1D
Entries 77
Mean −0.05037
Std Dev 1.154

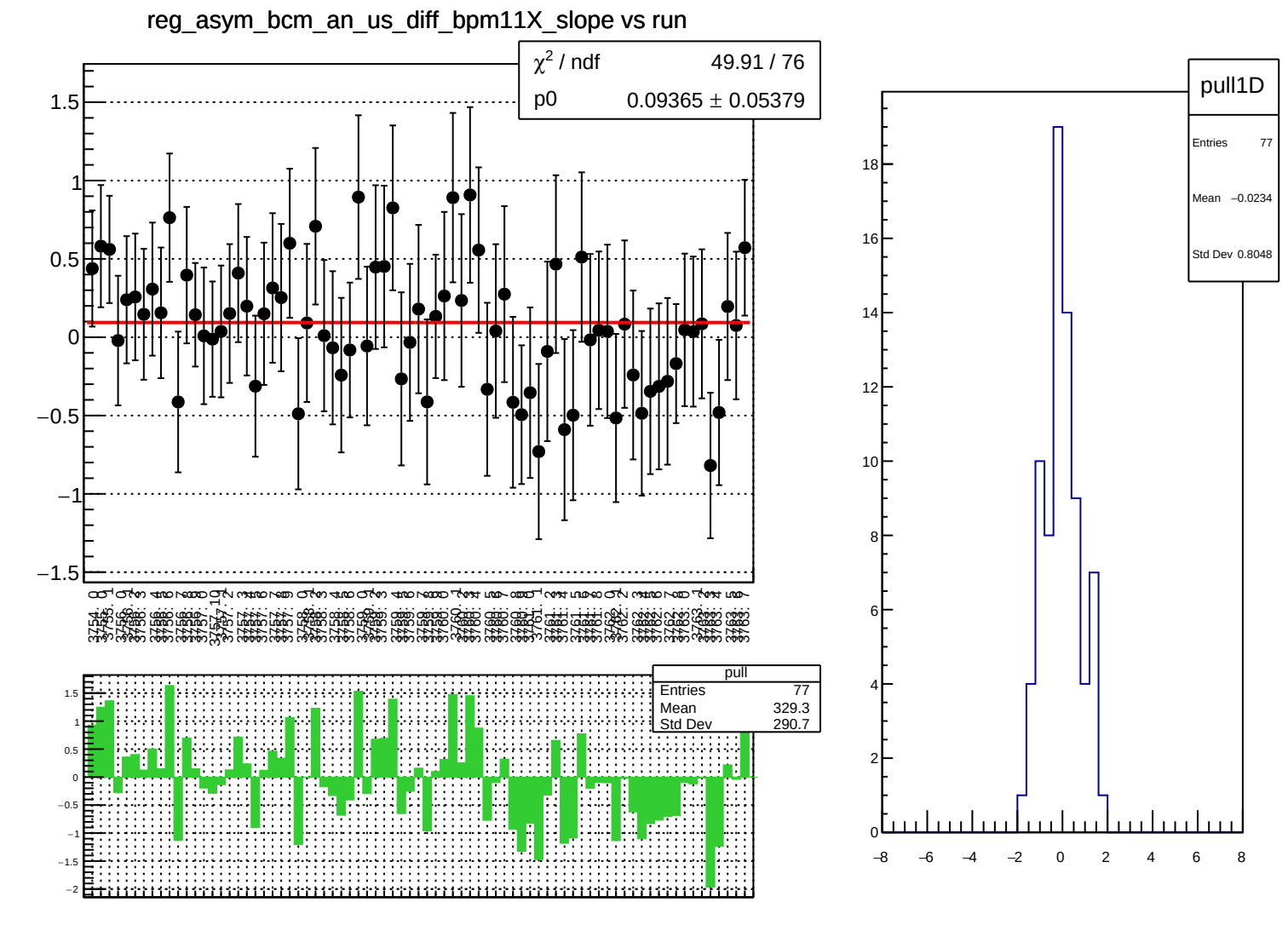

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 64.5 / 76
p0 −3.694 ± 0.1563
pull
Entries 77
Mean 933
Std Dev 894.1

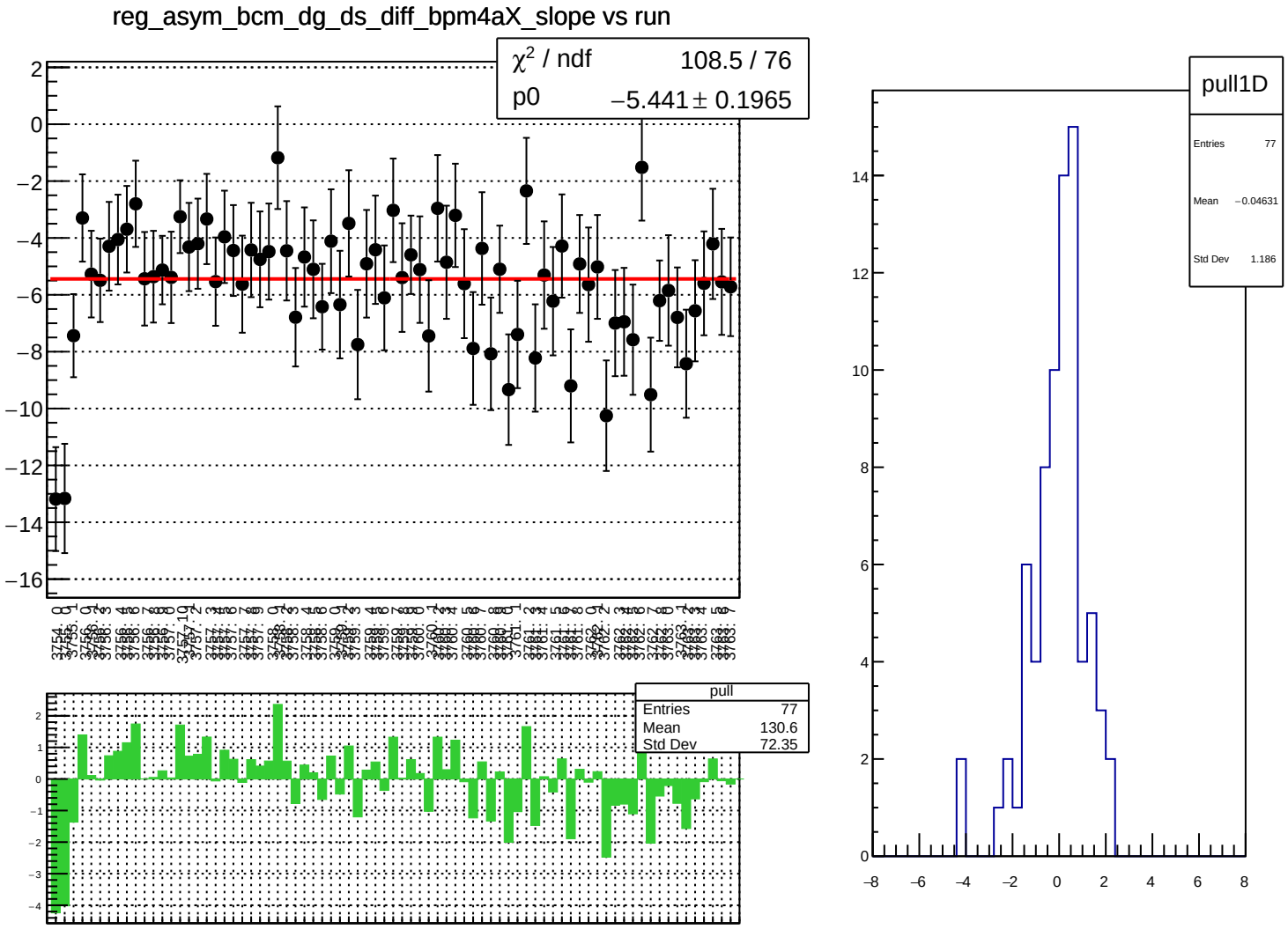

pull1D
Entries 77
Mean −0.008338
Std Dev 0.9152

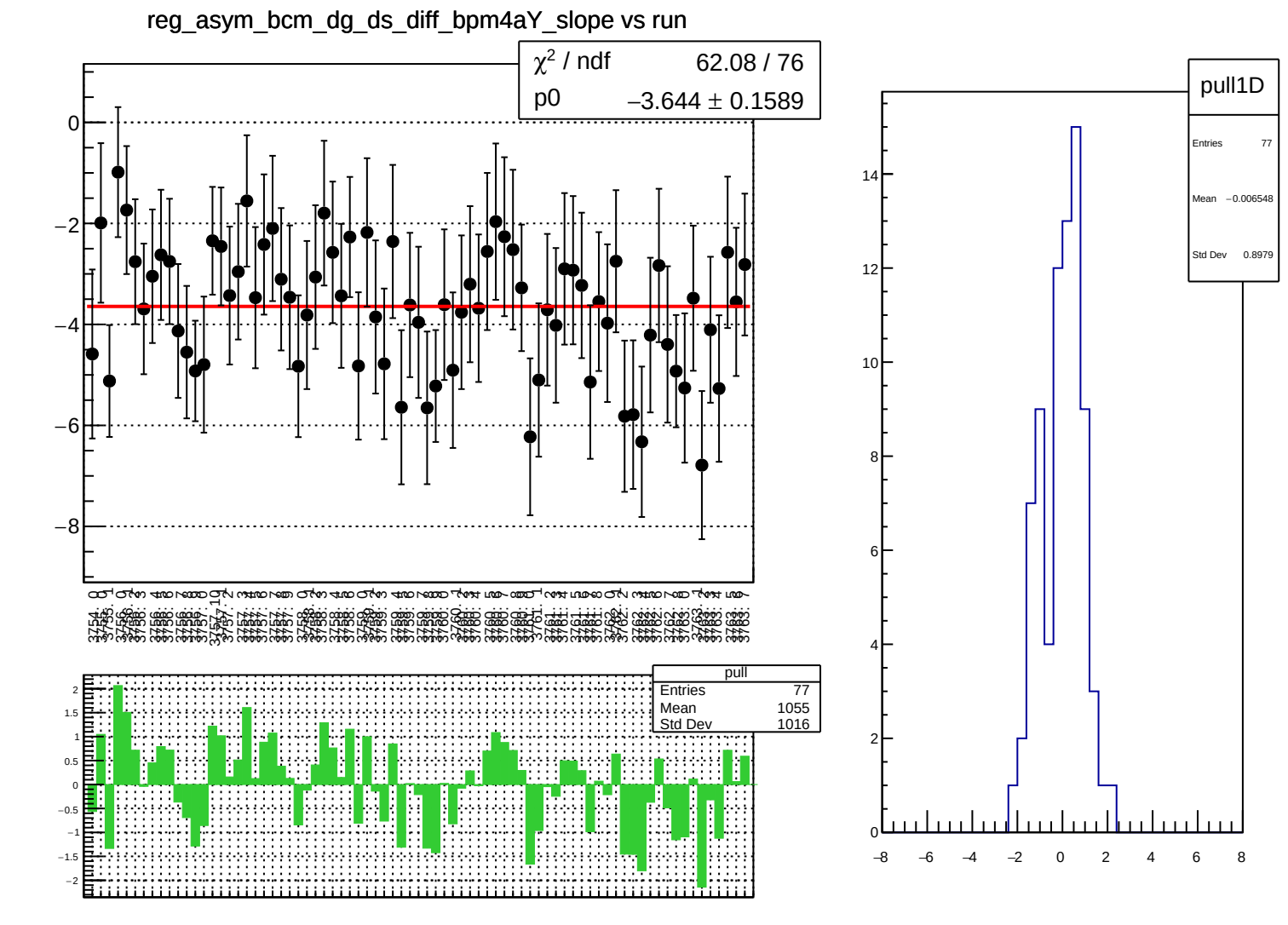

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 80.12 / 76
p0 2.112 ± 0.034
pull
Entries 77
Mean 137.9
Std Dev 94.04
pull1D
Entries 77
Mean 0.08588
Std Dev 1.016

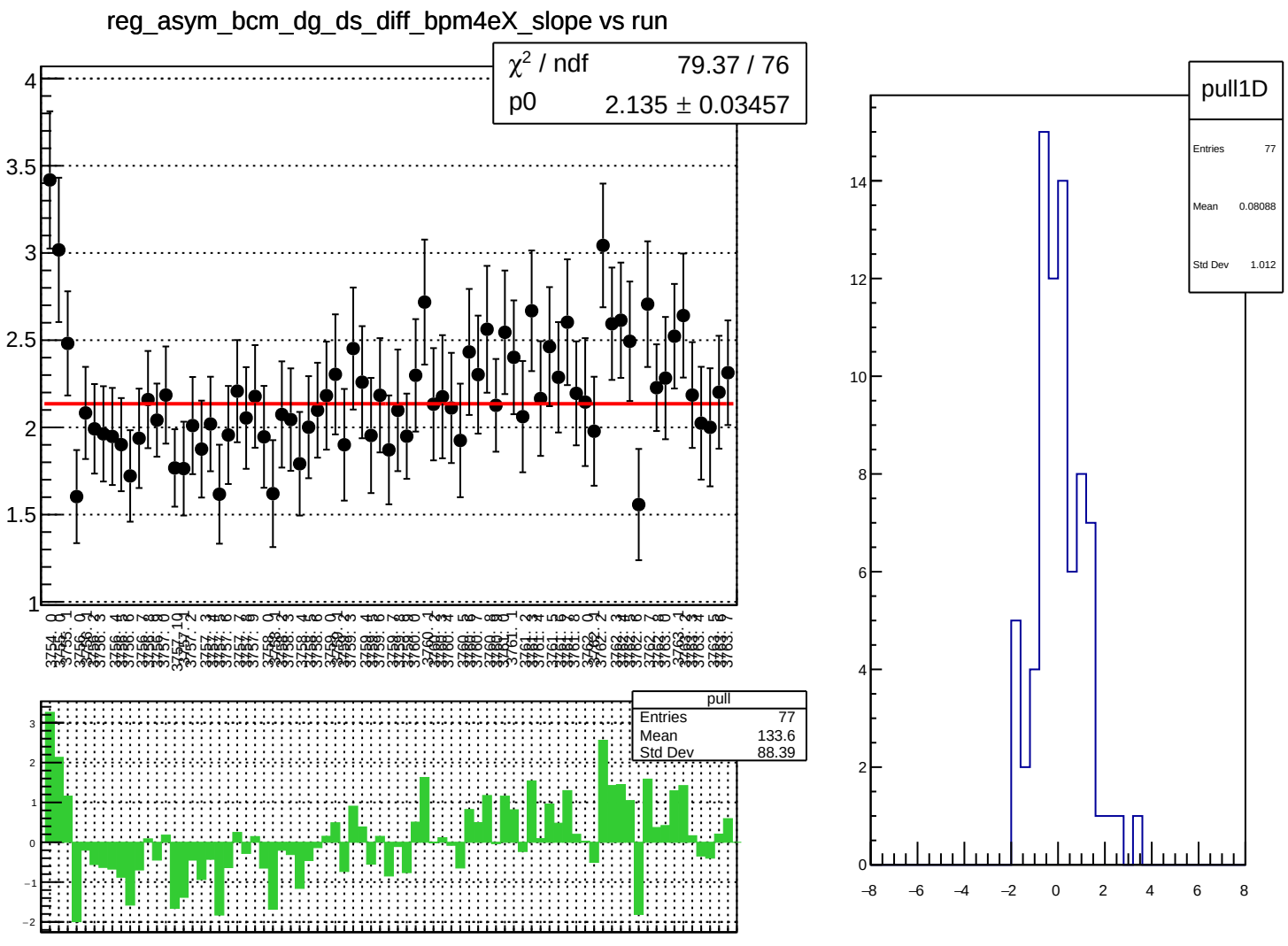

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 71.05 / 76
p0 6.439 ± 0.2433
pull
Entries 77
Mean 978.6
Std Dev 938.8

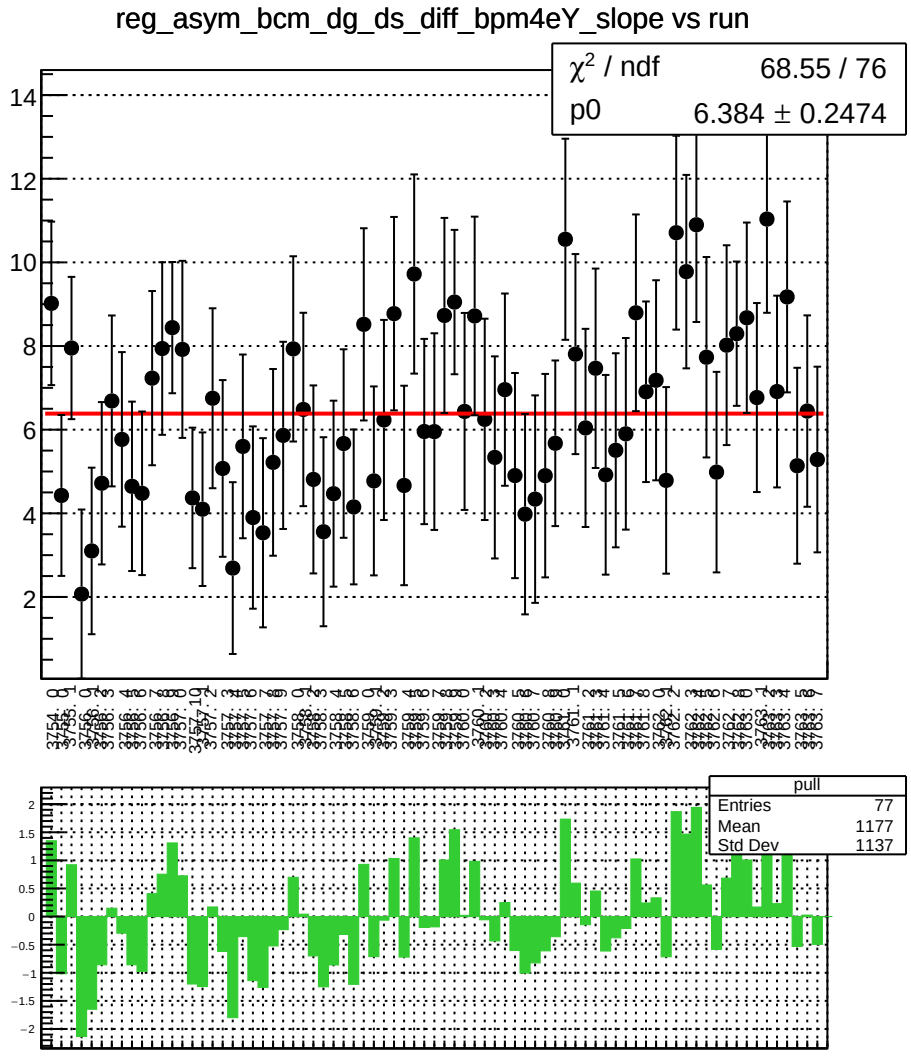

pull1D
Entries 77
Mean 0.008821
Std Dev 0.9606

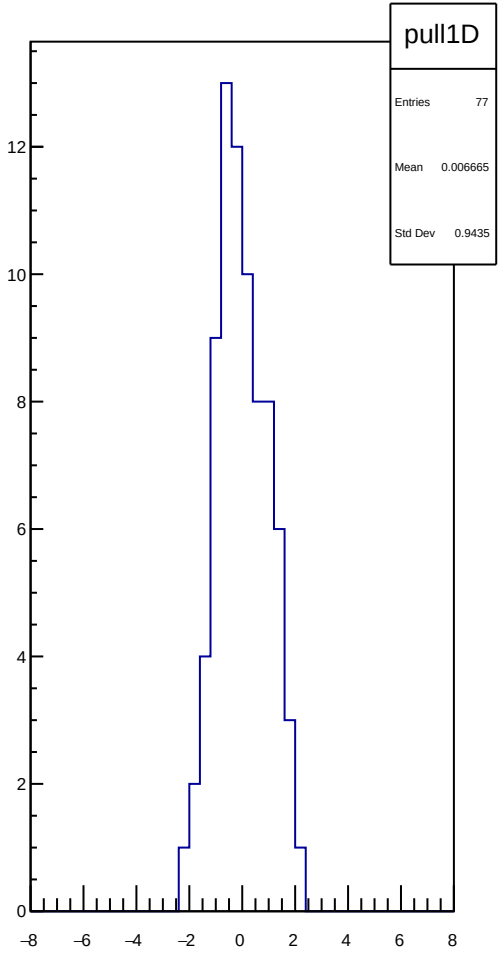

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 49.91 / 76
p0 0.09365 ± 0.05379
pull
Entries 77
Mean 329.3
Std Dev 290.7
pull1D
Entries 77
Mean −0.0234
Std Dev 0.8048

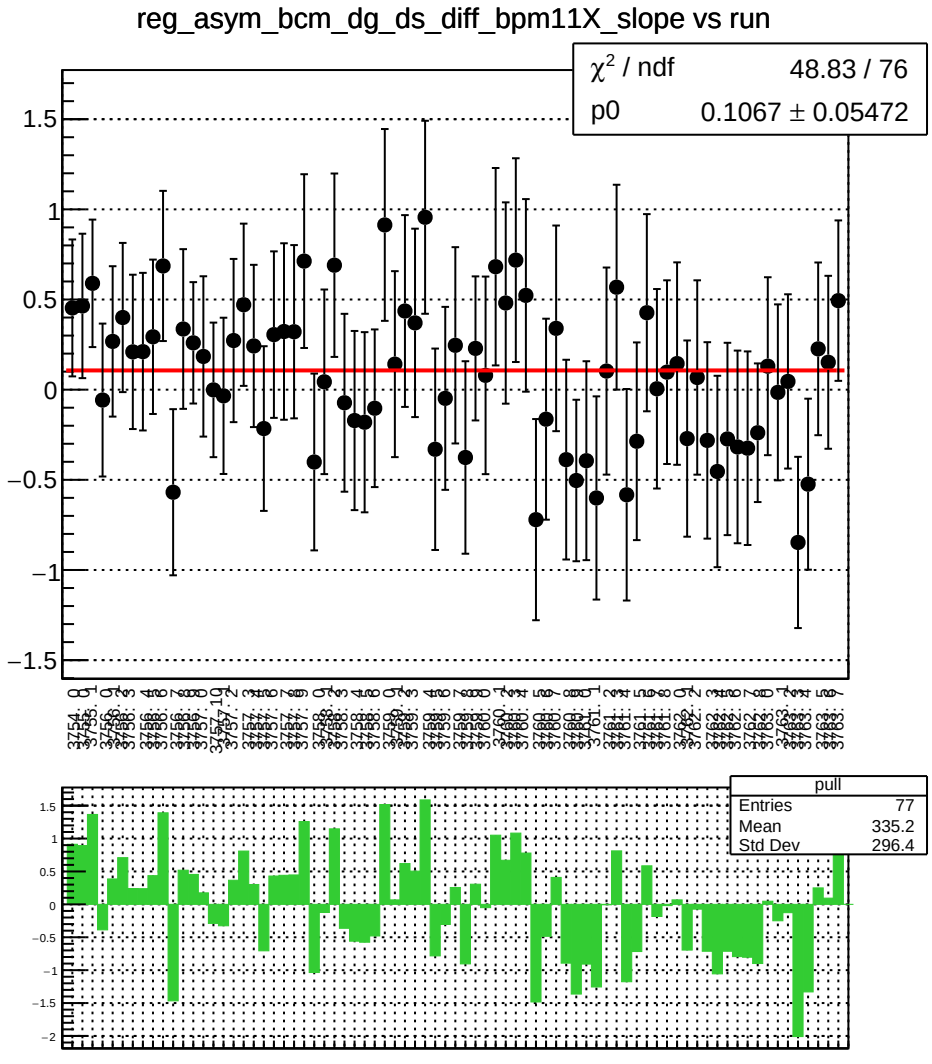

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 108.5 / 76
p0 −5.441 ± 0.1965
pull
Entries 77
Mean 130.6
Std Dev 72.35
pull1D
Entries 77
Mean −0.04631
Std Dev 1.186

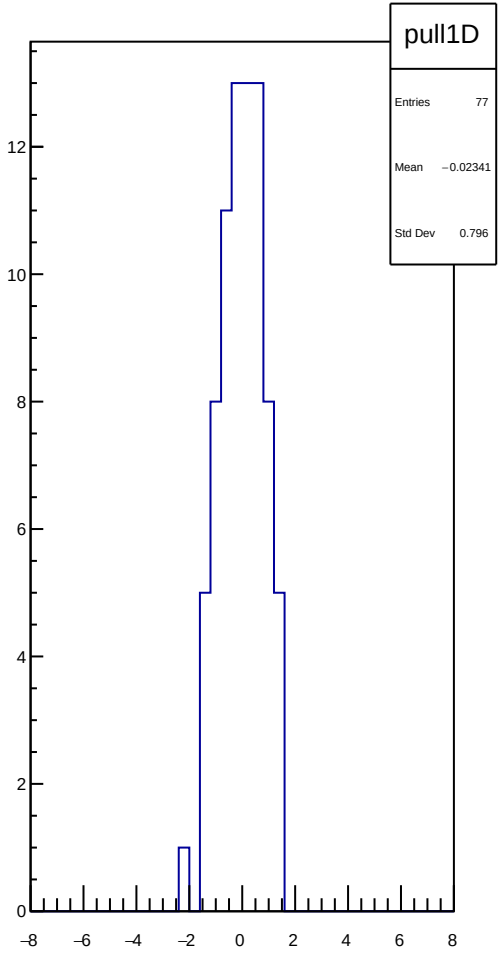

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 62.08 / 76
p0 −3.644 ± 0.1589
pull
Entries 77
Mean 1055
Std Dev 1016
pull1D
Entries 77
Mean −0.006548
Std Dev 0.8979

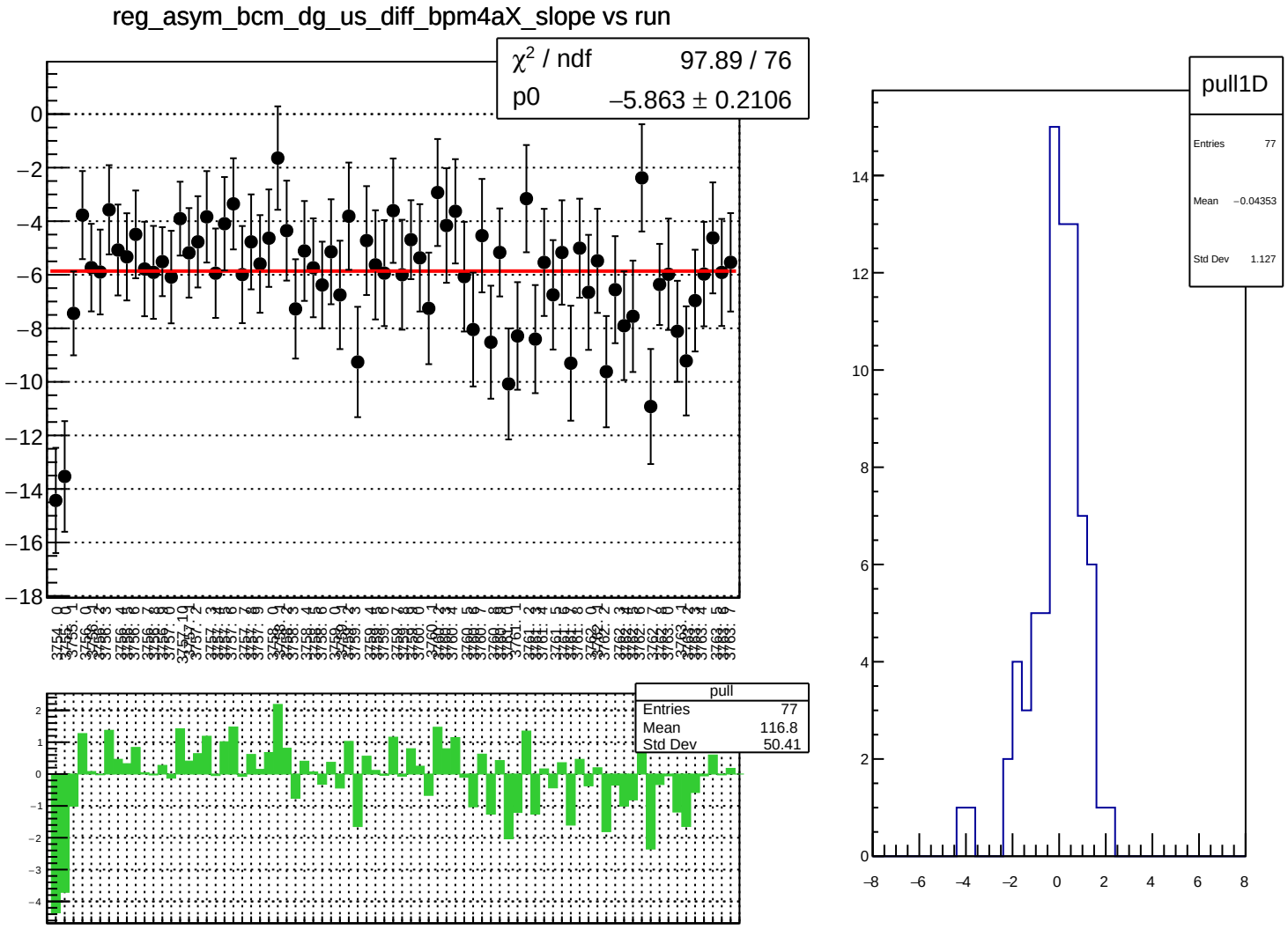

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 79.37 / 76
p0 2.135 ± 0.03457
pull
Entries 77
Mean 133.6
Std Dev 88.39
pull1D
Entries 77
Mean 0.08088
Std Dev 1.012

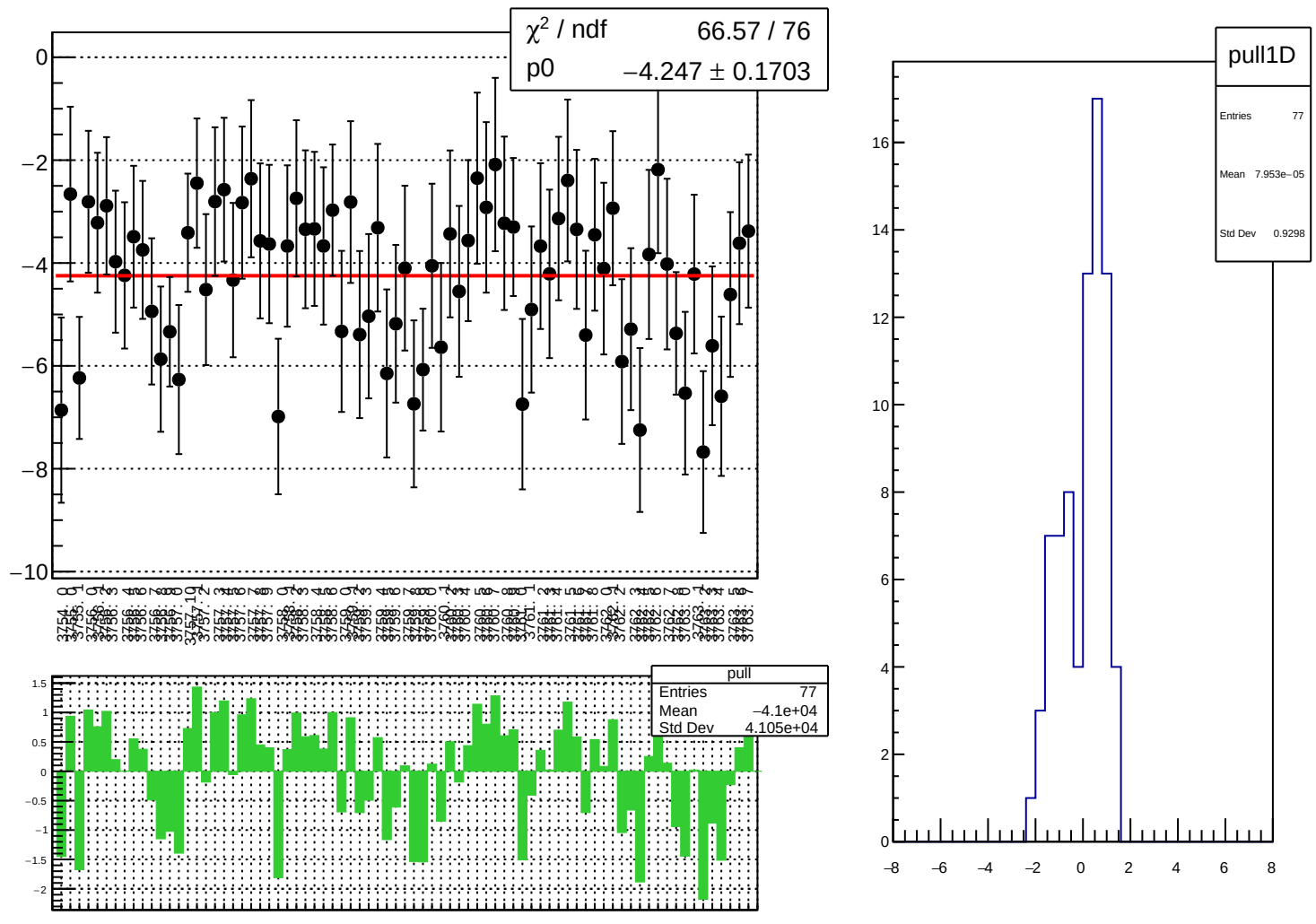

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 68.55 / 76
p0 6.384 ± 0.2474
pull
Entries 77
Mean 1177
Std Dev 1137

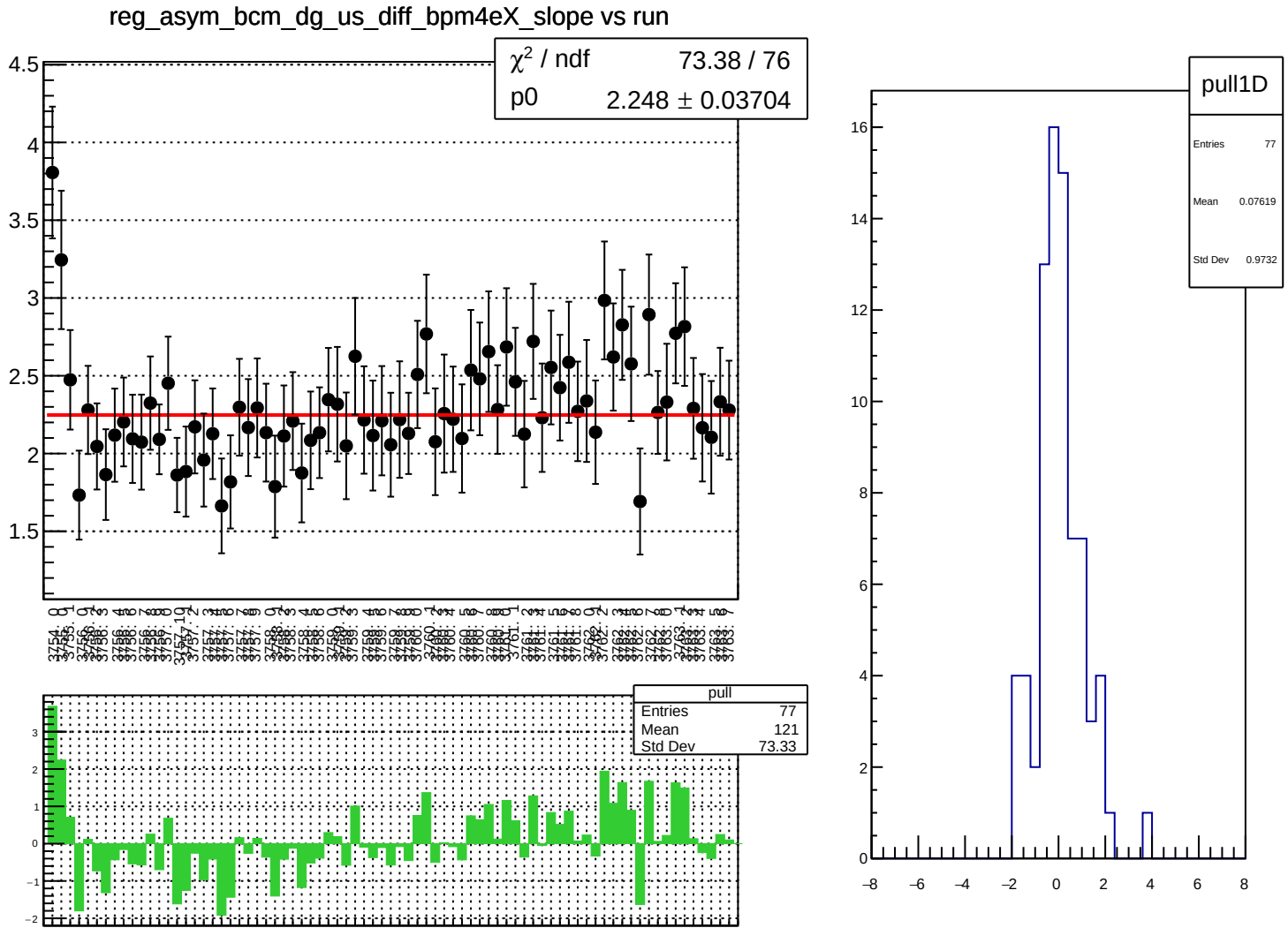

pull1D
Entries 77
Mean 0.006665
Std Dev 0.9435

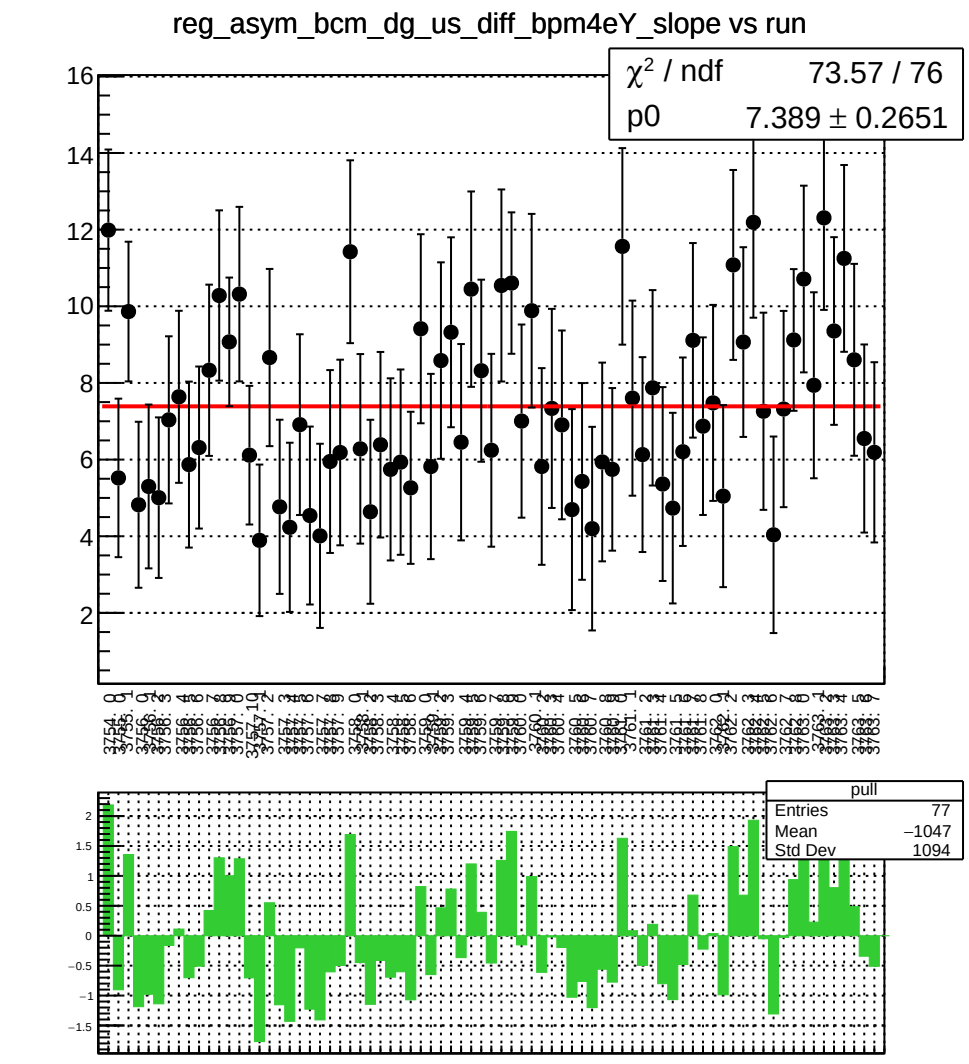

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 48.83 / 76
p0 0.1067 ± 0.05472
pull
Entries 77
Mean 335.2
Std Dev 296.4

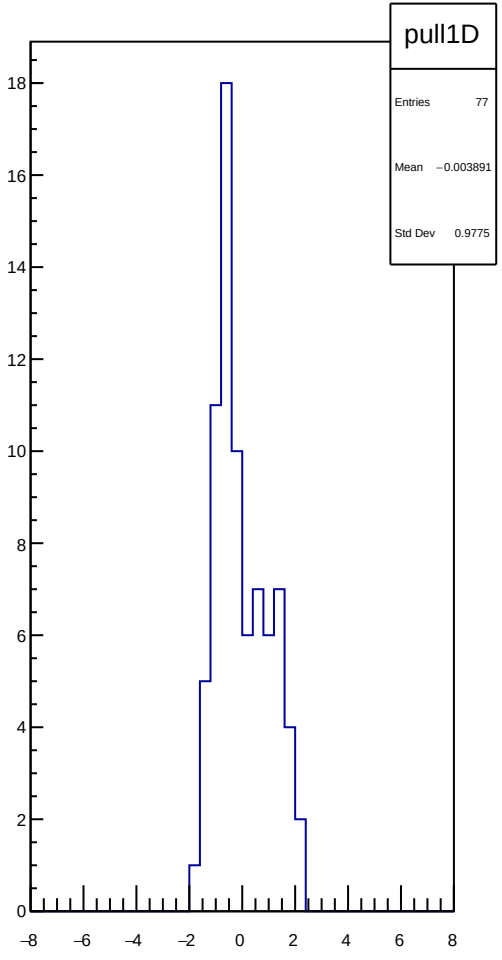

pull1D
Entries 77
Mean −0.02341
Std Dev 0.796

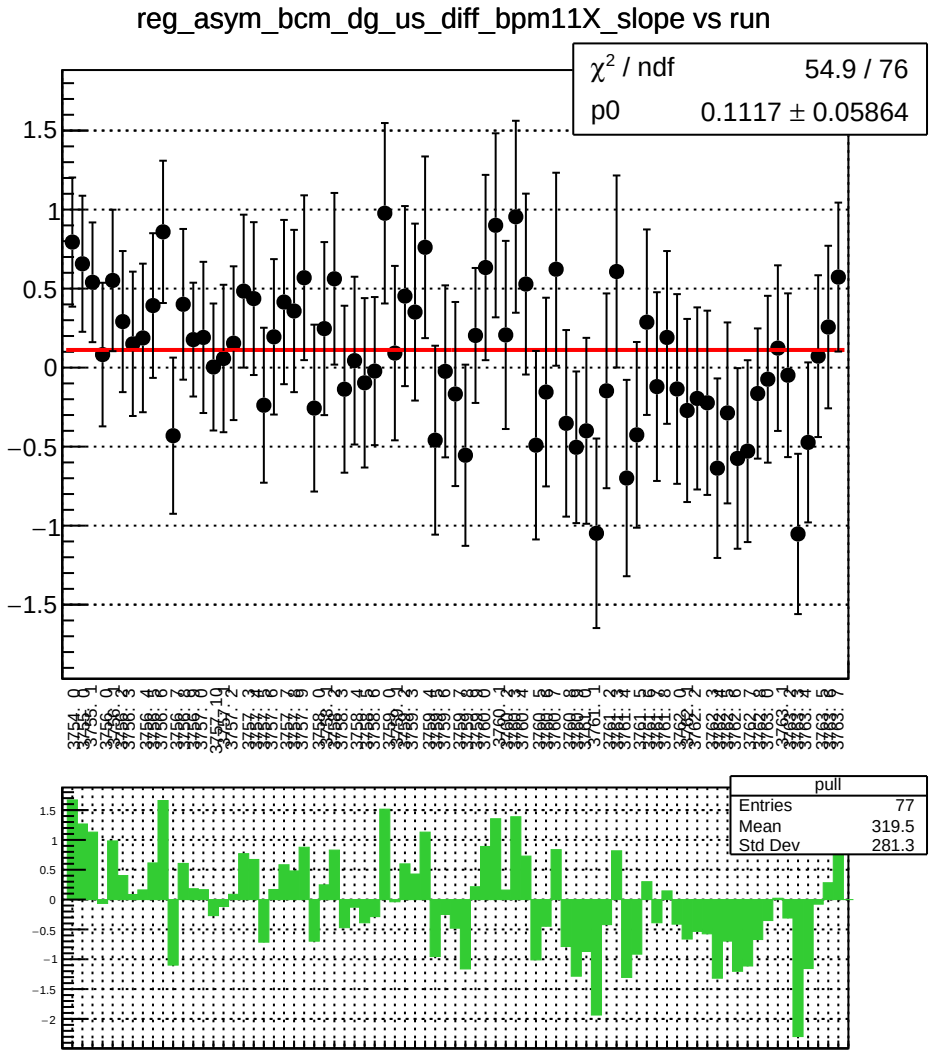

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 97.89 / 76
p0 −5.863 ± 0.2106
pull
Entries 77
Mean 116.8
Std Dev 50.41
pull1D
Entries 77
Mean −0.04353
Std Dev 1.127

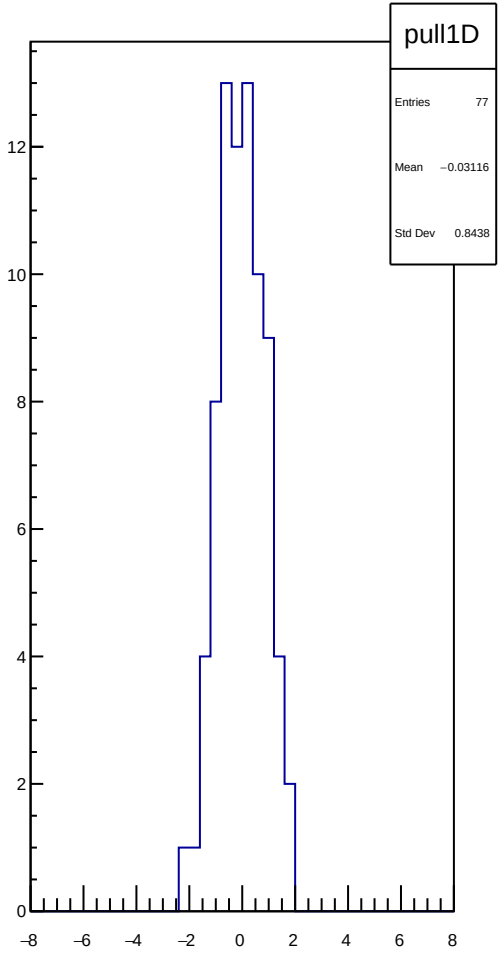

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 66.57 / 76
p0 −4.247 ± 0.1703
pull
Entries 77
Mean −4.1e+04
Std Dev 4.105e+04
pull1D
Entries 77
Mean 7.953e−05
Std Dev 0.9298

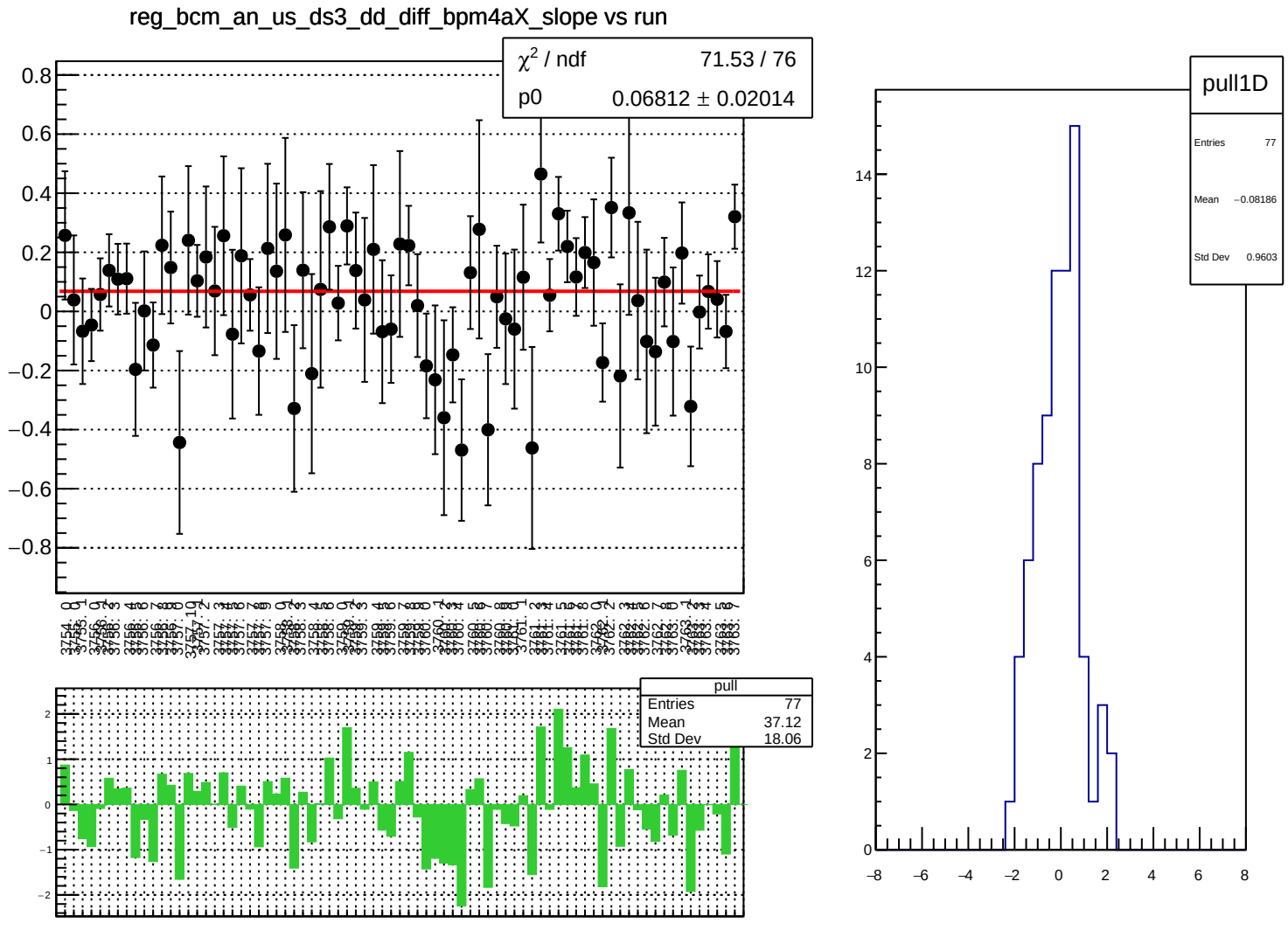

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 73.38 / 76
p0 2.248 ± 0.03704
pull
Entries 77
Mean 121
Std Dev 73.33
pull1D
Entries 77
Mean 0.07619
Std Dev 0.9732

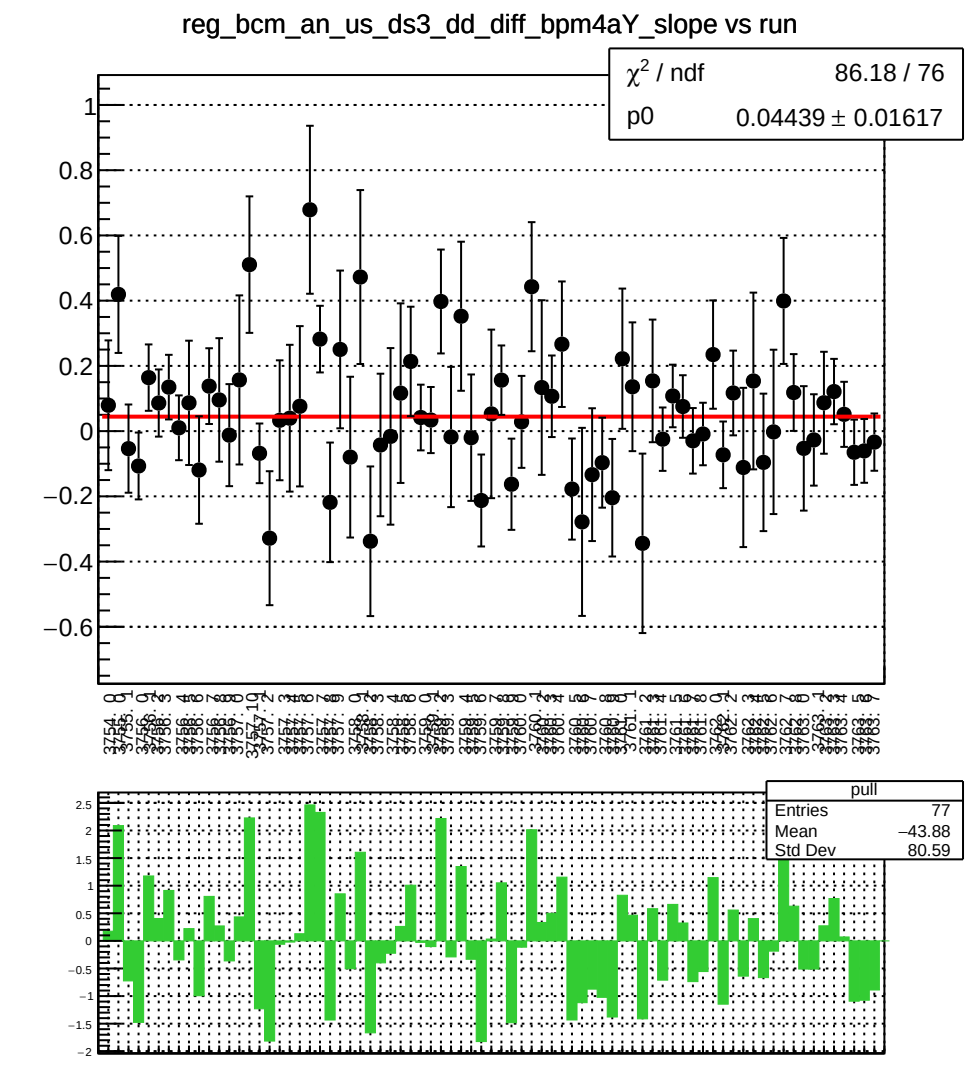

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 73.57 / 76
p0 7.389 ± 0.2651
pull
Entries 77
Mean −1047
Std Dev 1094

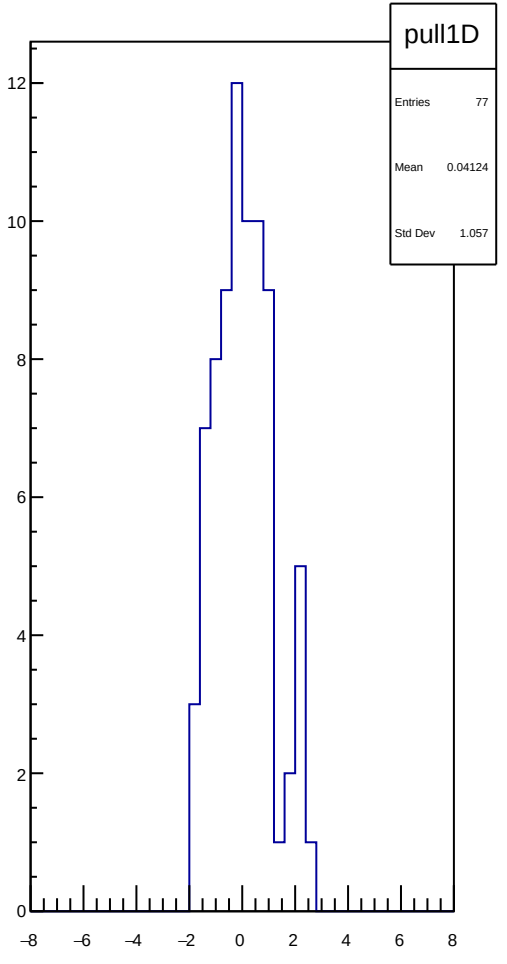

pull1D
Entries 77
Mean −0.003891
Std Dev 0.9775

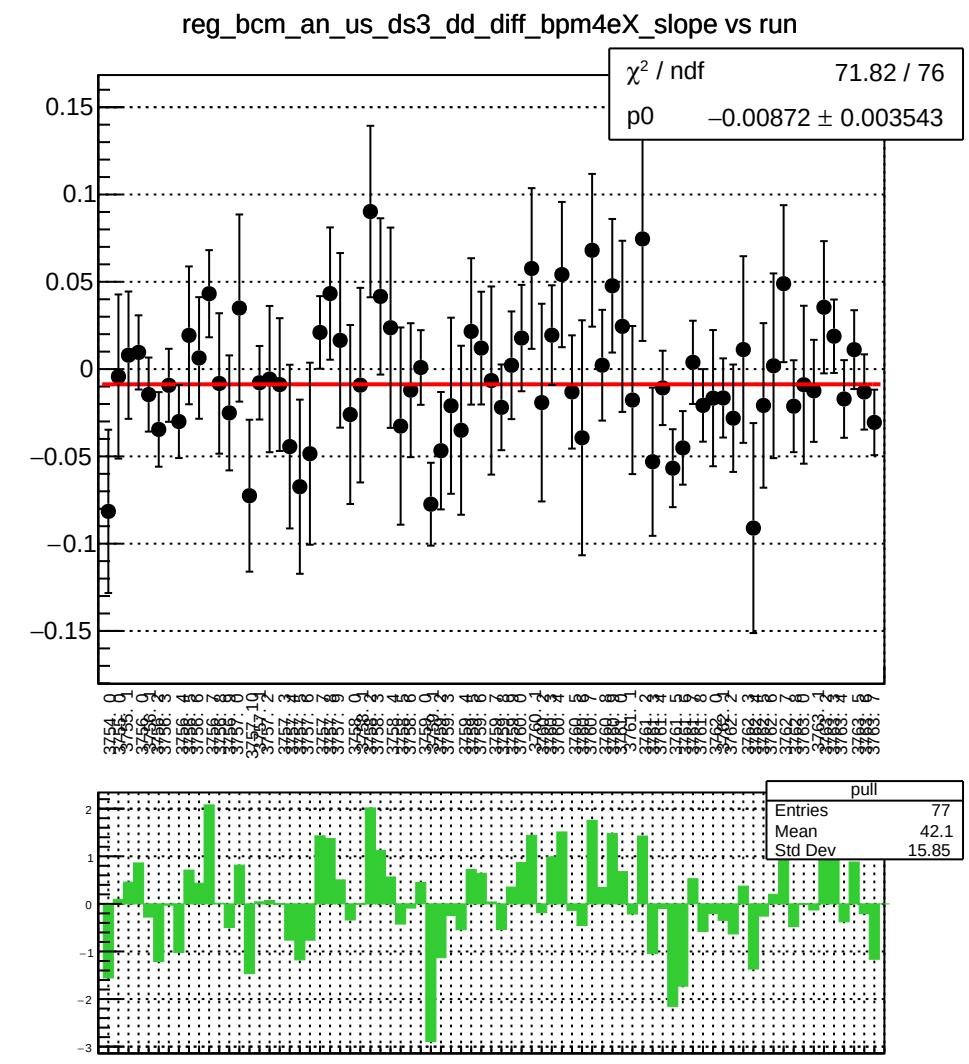

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 54.9 / 76
p0 0.1117 ± 0.05864
pull
Entries 77
Mean 319.5
Std Dev 281.3

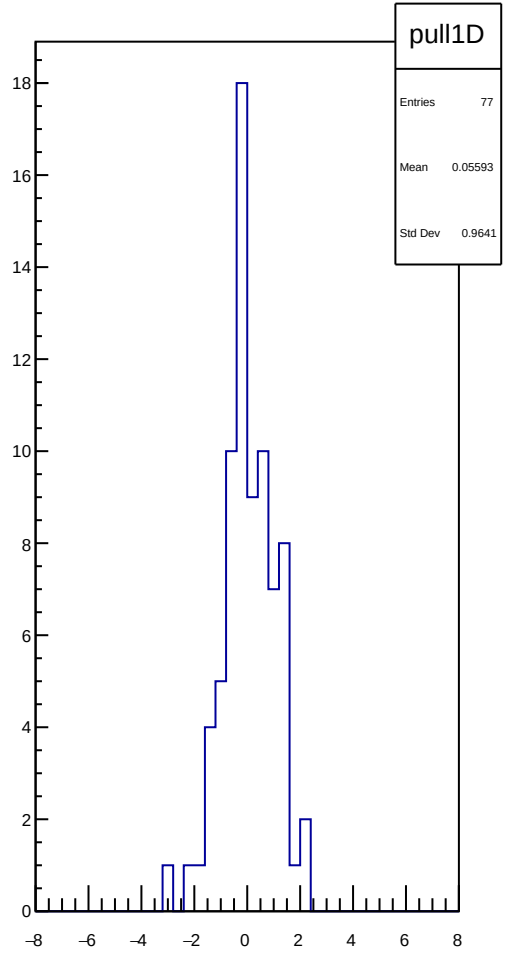

pull1D
Entries 77
Mean −0.03116
Std Dev 0.8438

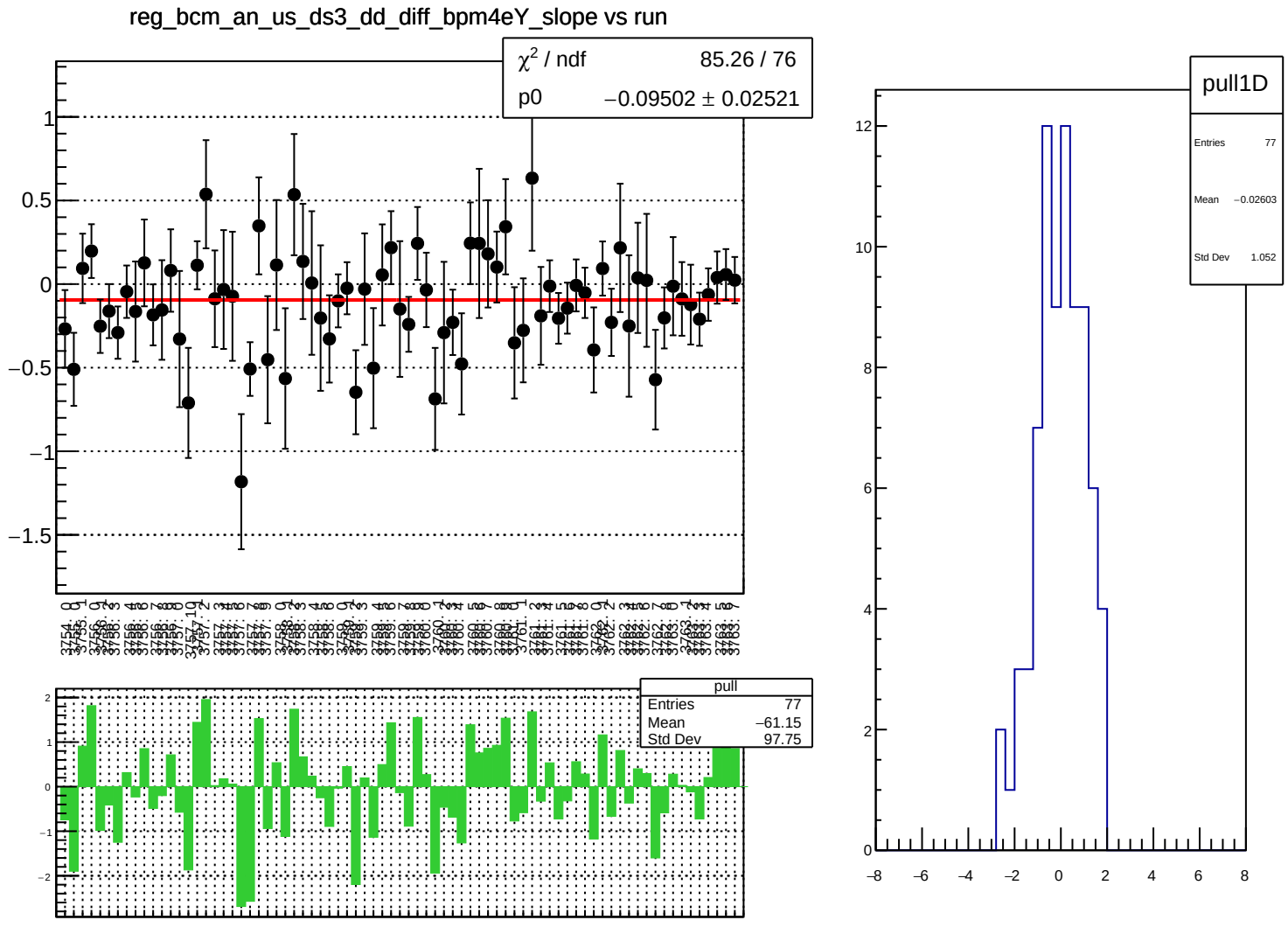

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 71.53 / 76
p0 0.06812 ± 0.02014
pull
Entries 77
Mean 37.12
Std Dev 18.06
pull1D
Entries 77
Mean −0.08186
Std Dev 0.9603

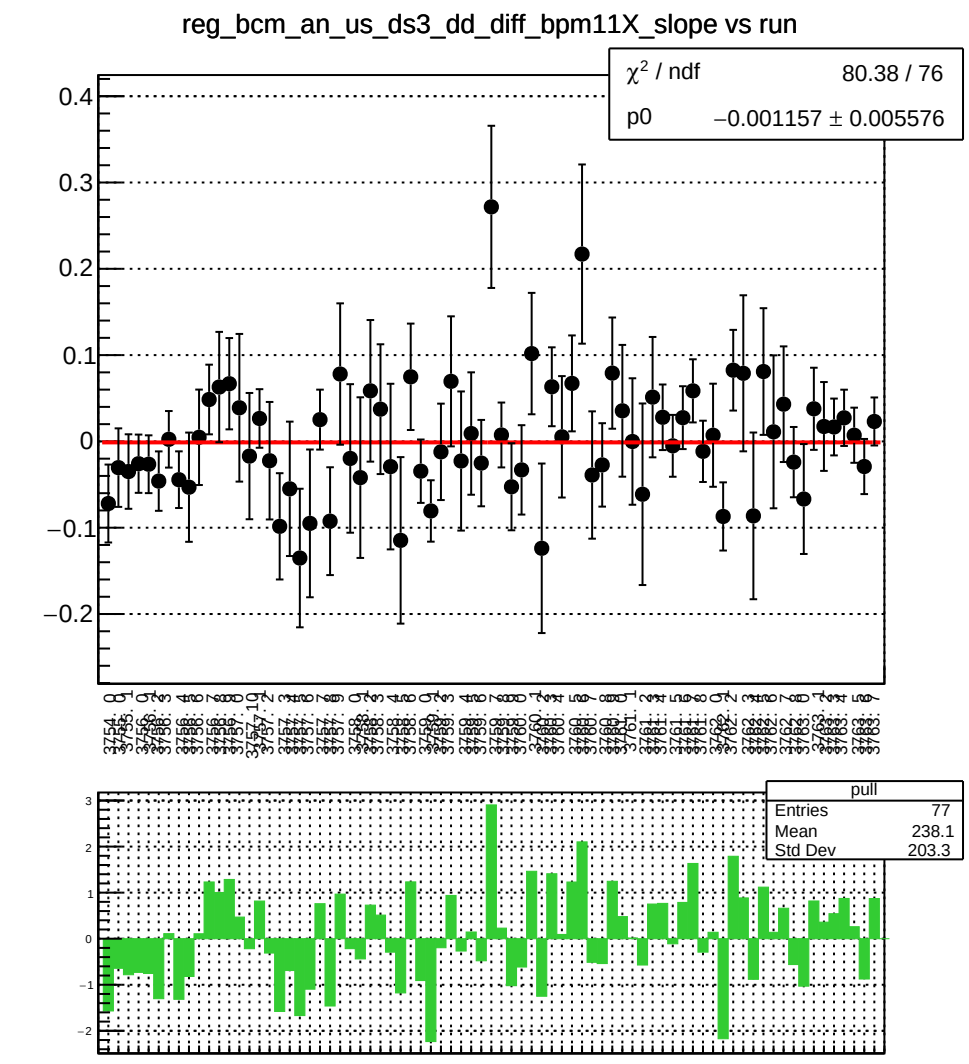

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.18 / 76
p0 0.04439 ± 0.01617
pull
Entries 77
Mean −43.88
Std Dev 80.59

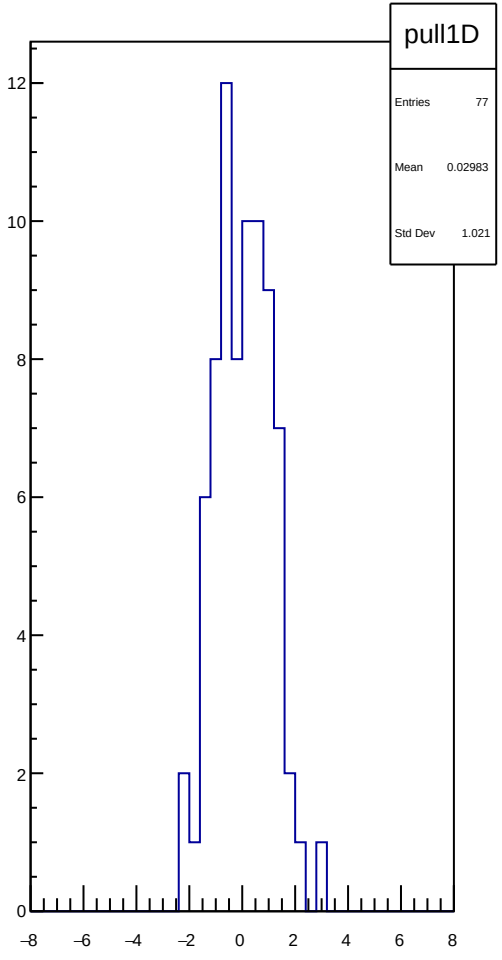

pull1D
Entries 77
Mean 0.04124
Std Dev 1.057

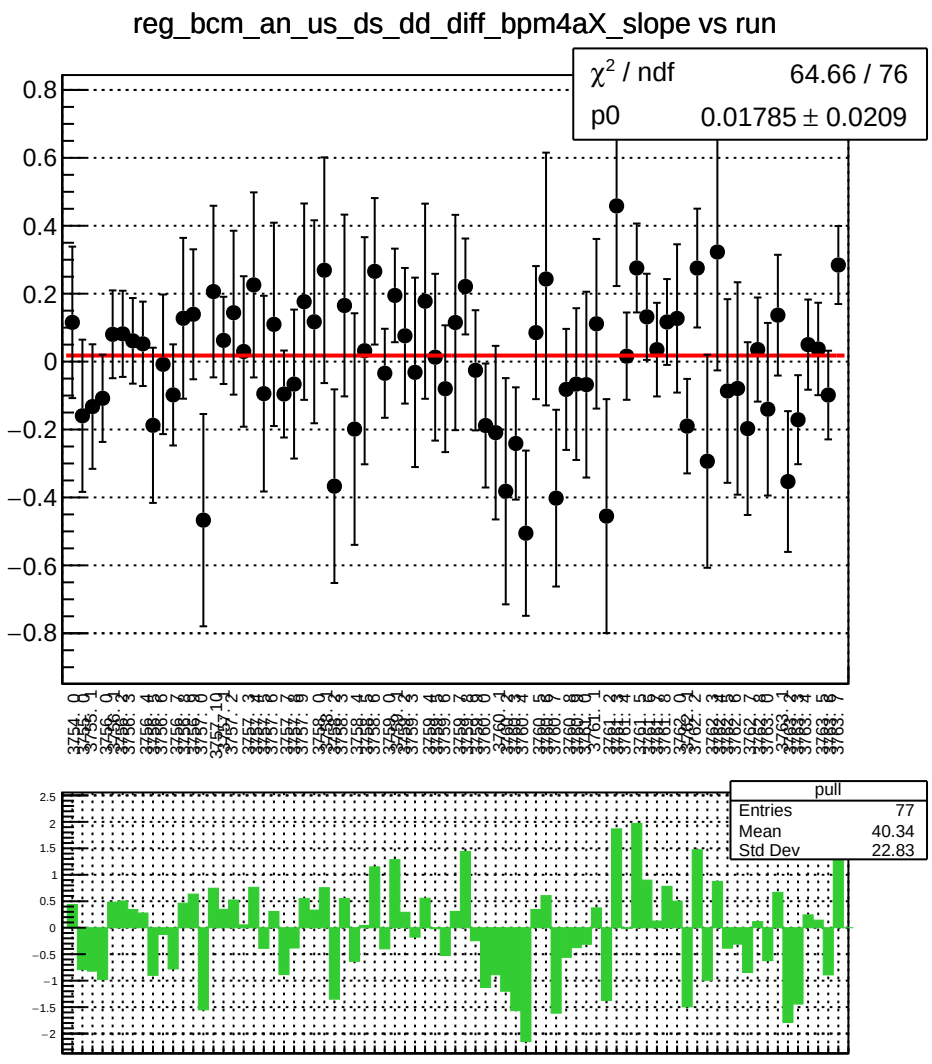

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.82 / 76
p0 −0.00872 ± 0.003543
pull
Entries 77
Mean 42.1
Std Dev 15.85

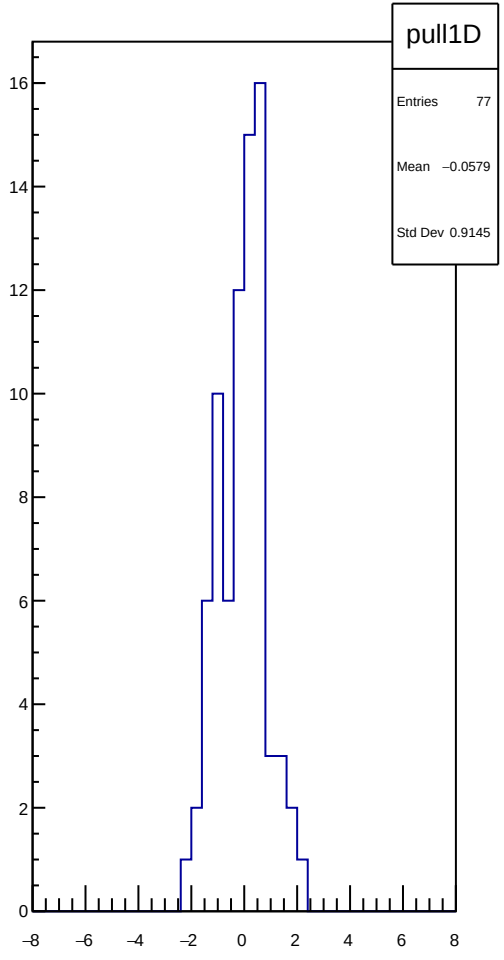

pull1D
Entries 77
Mean 0.05593
Std Dev 0.9641

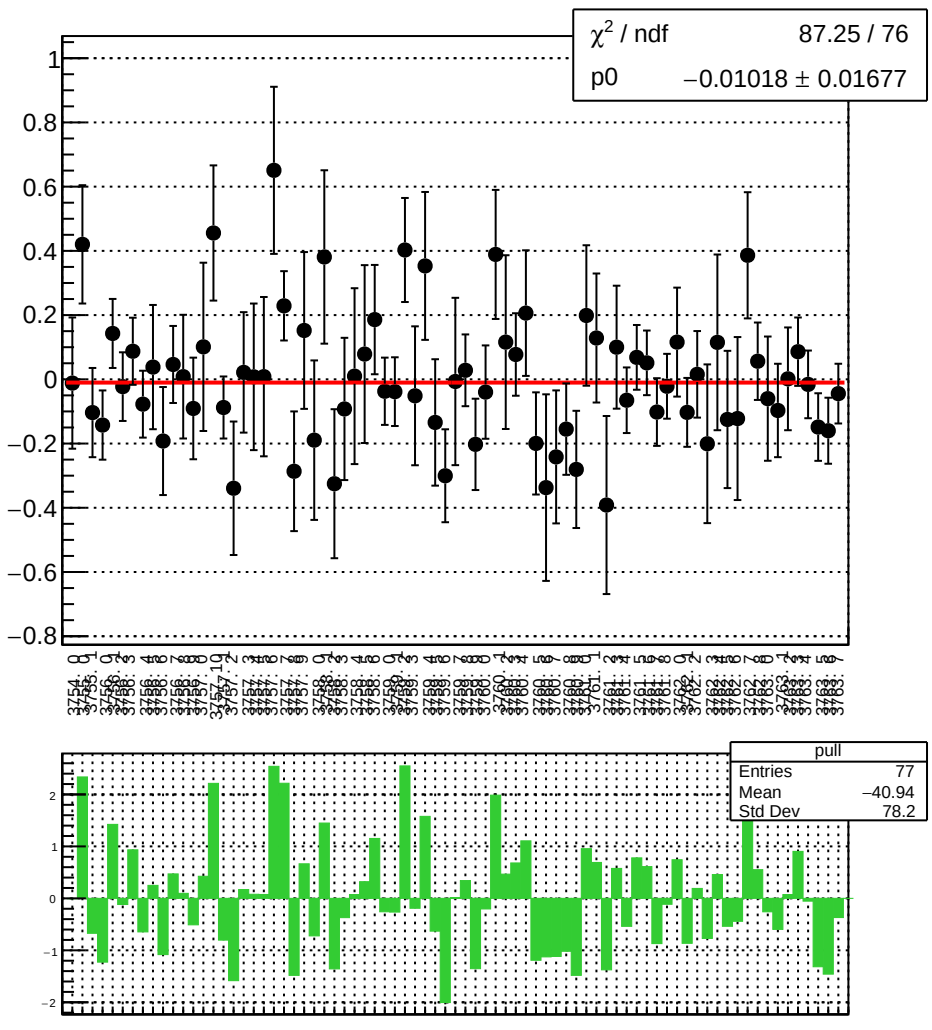

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.26 / 76
p0 −0.09502 ± 0.02521
pull
Entries 77
Mean −61.15
Std Dev 97.75
pull1D
Entries 77
Mean −0.02603
Std Dev 1.052

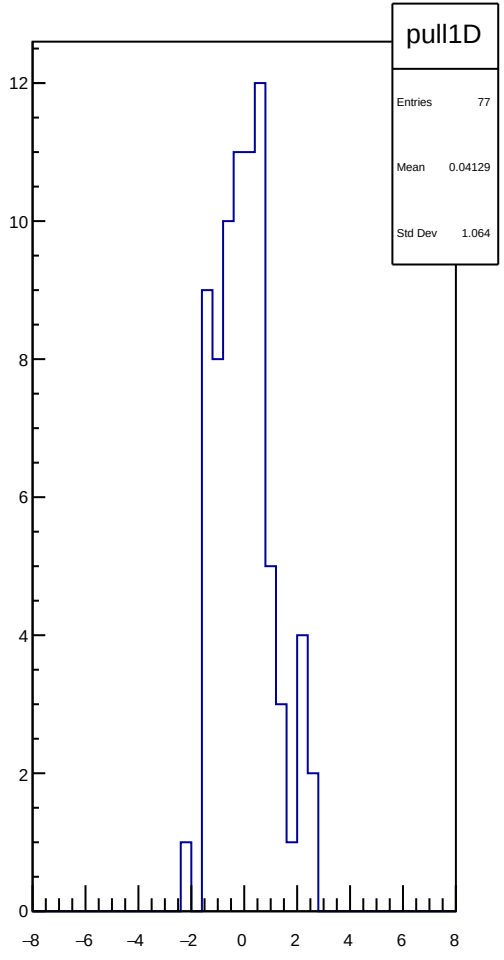

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 80.38 / 76
p0 −0.001157 ± 0.005576
pull
Entries 77
Mean 238.1
Std Dev 203.3

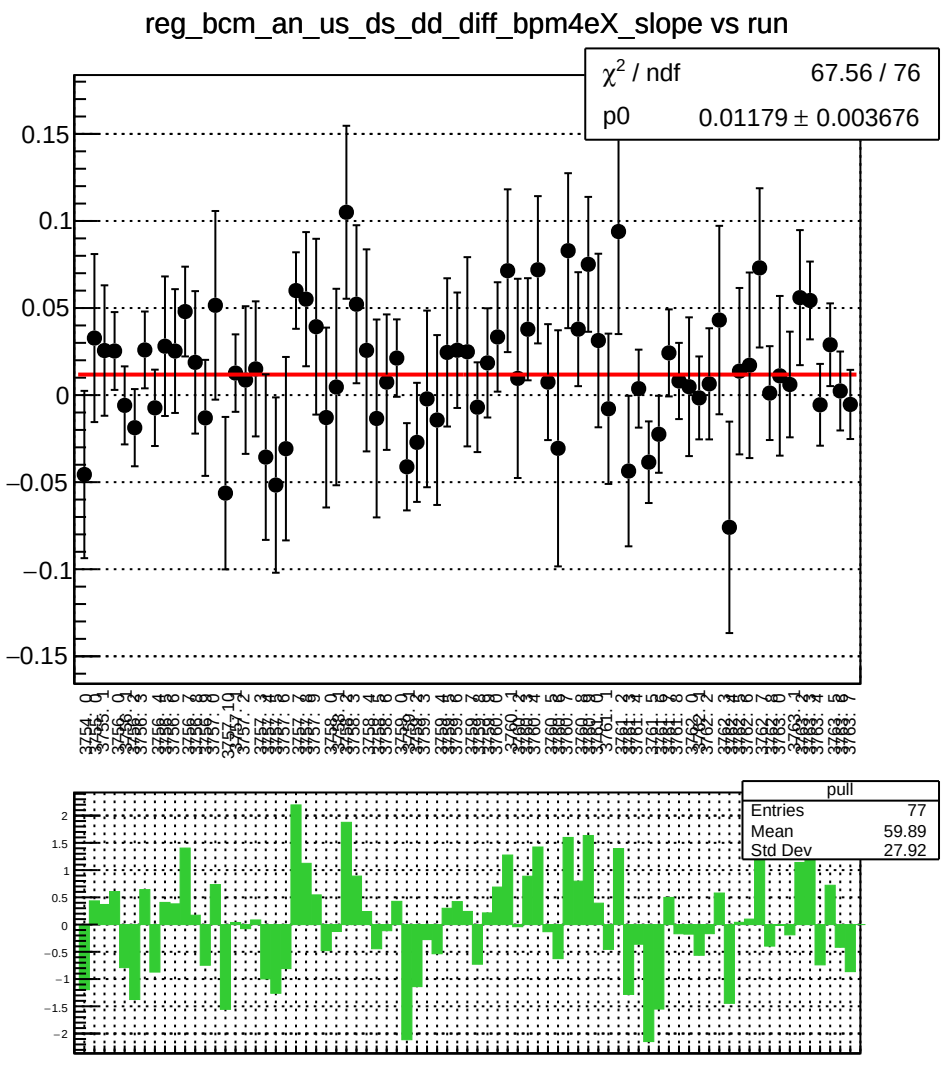

pull1D
Entries 77
Mean 0.02983
Std Dev 1.021

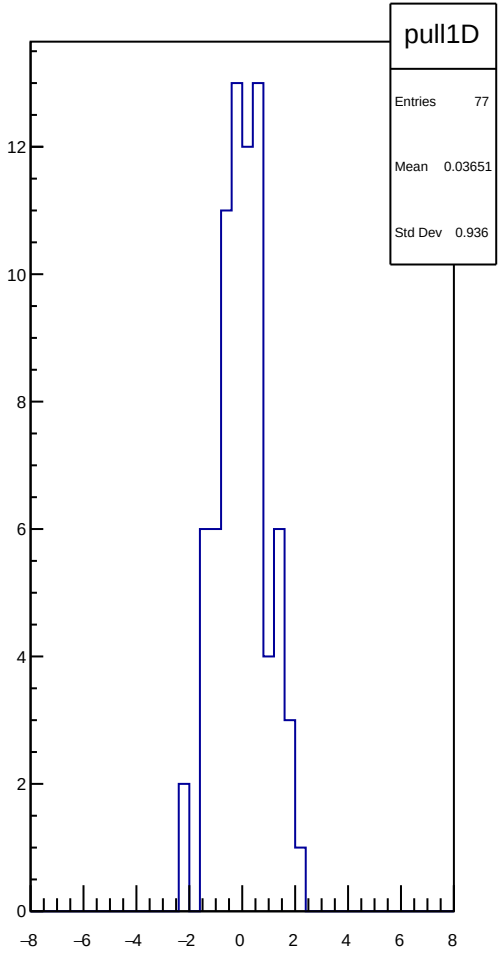

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 64.66 / 76
p0 0.01785 ± 0.0209
pull
Entries 77
Mean 40.34
Std Dev 22.83

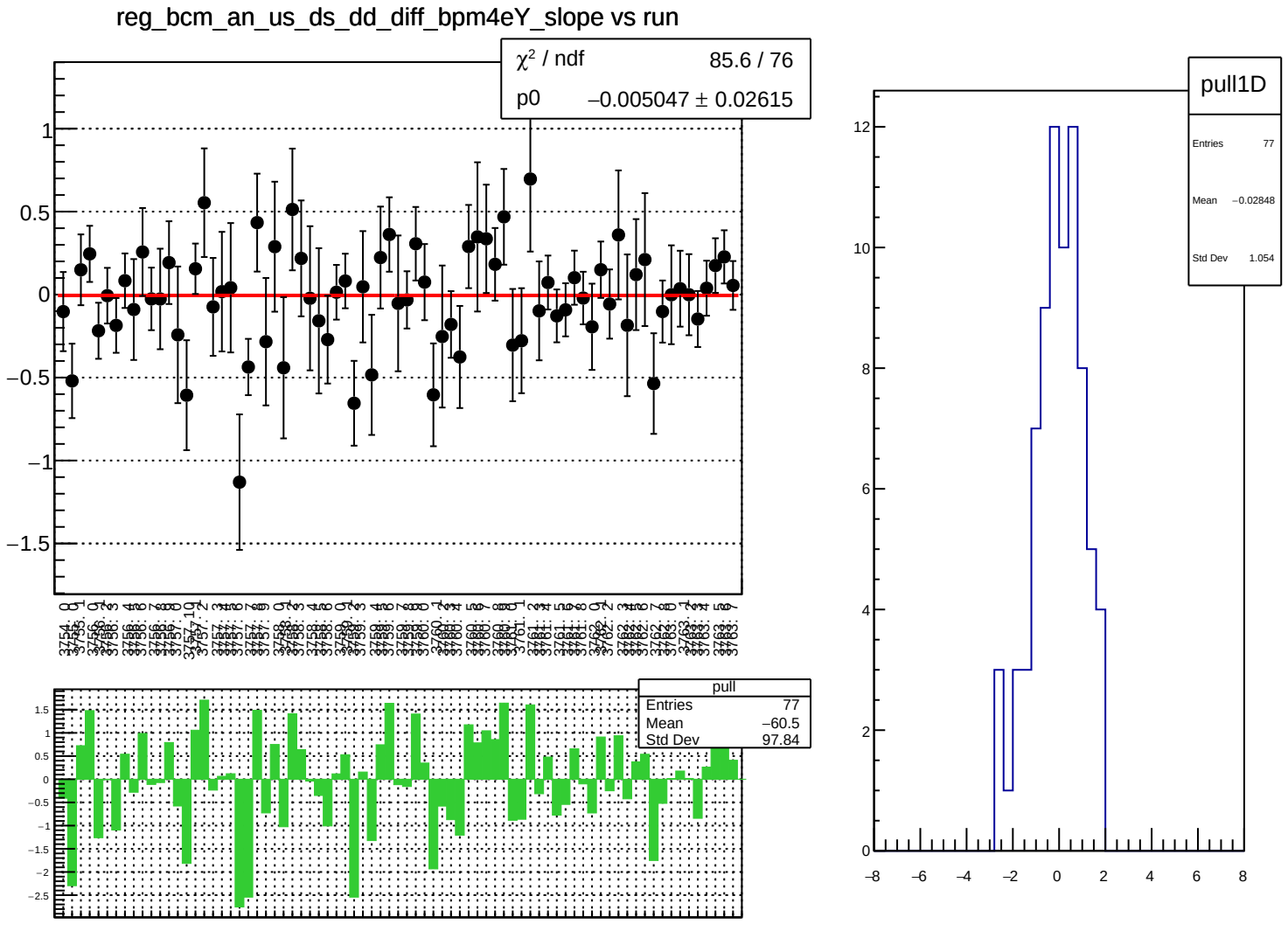

pull1D
Entries 77
Mean −0.0579
Std Dev 0.9145

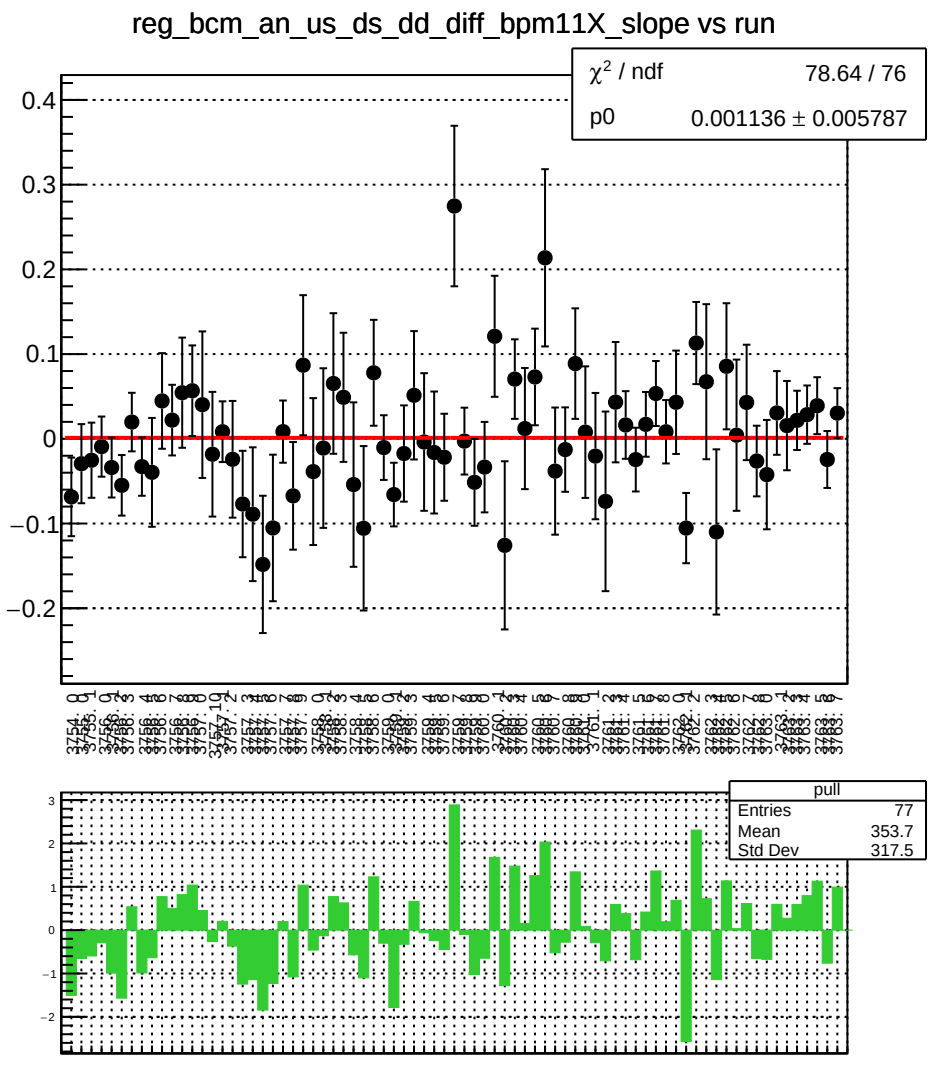

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.25 / 76
p0 −0.01018 ± 0.01677
pull
Entries 77
Mean −40.94
Std Dev 78.2

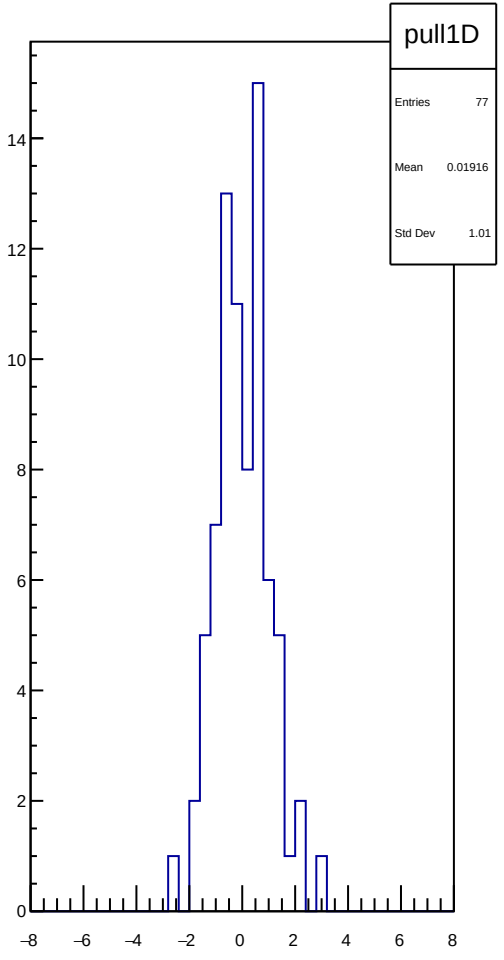

pull1D
Entries 77
Mean 0.04129
Std Dev 1.064

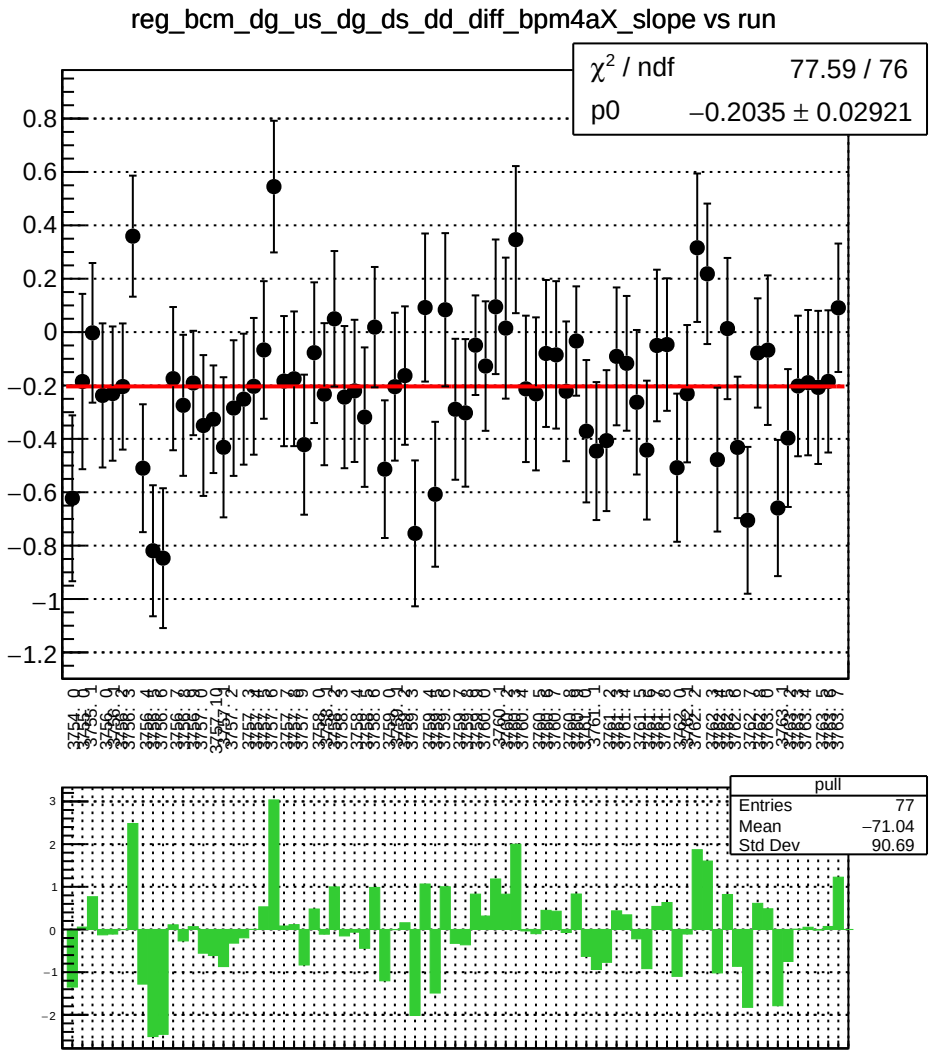

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.56 / 76
p0 0.01179 ± 0.003676
pull
Entries 77
Mean 59.89
Std Dev 27.92

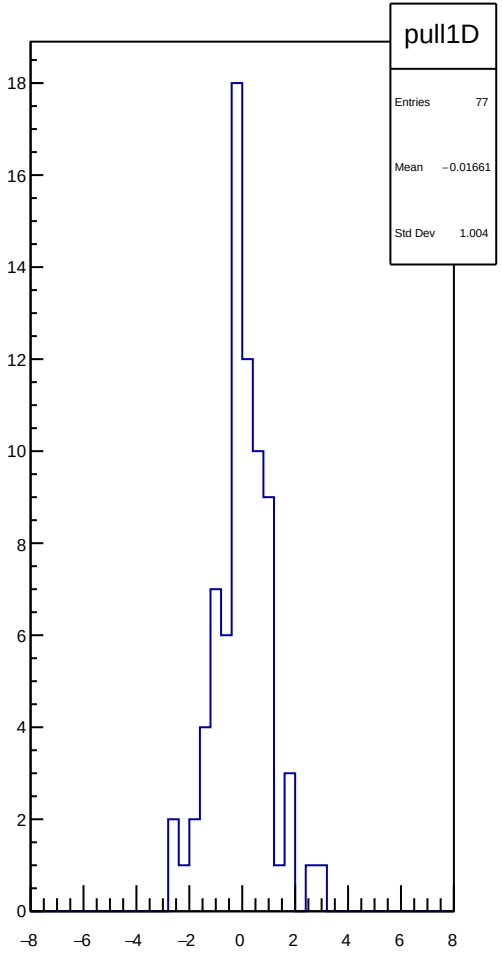

pull1D
Entries 77
Mean 0.03651
Std Dev 0.936

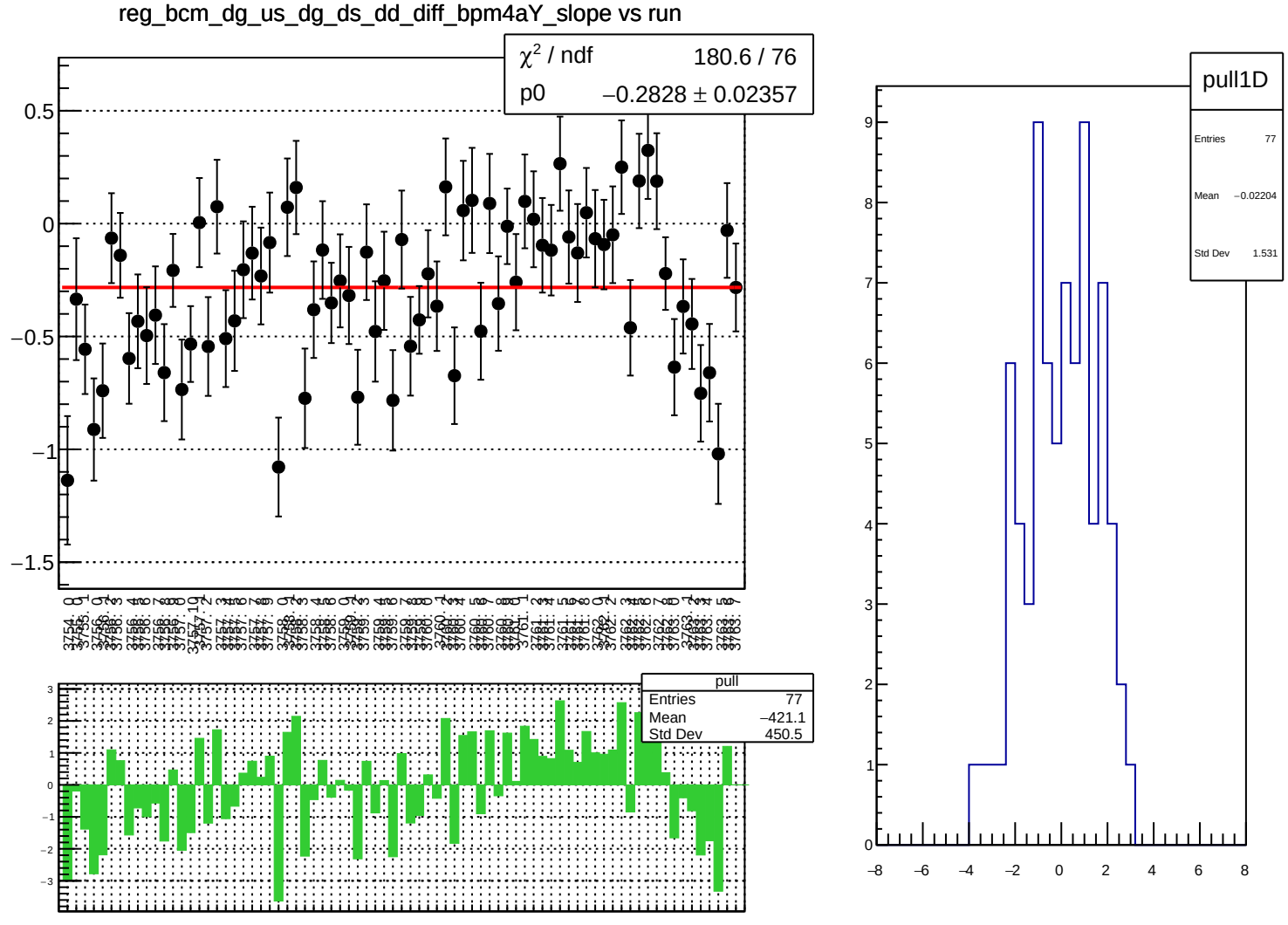

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.6 / 76
p0 −0.005047 ± 0.02615
pull
Entries 77
Mean −60.5
Std Dev 97.84
pull1D
Entries 77
Mean −0.02848
Std Dev 1.054

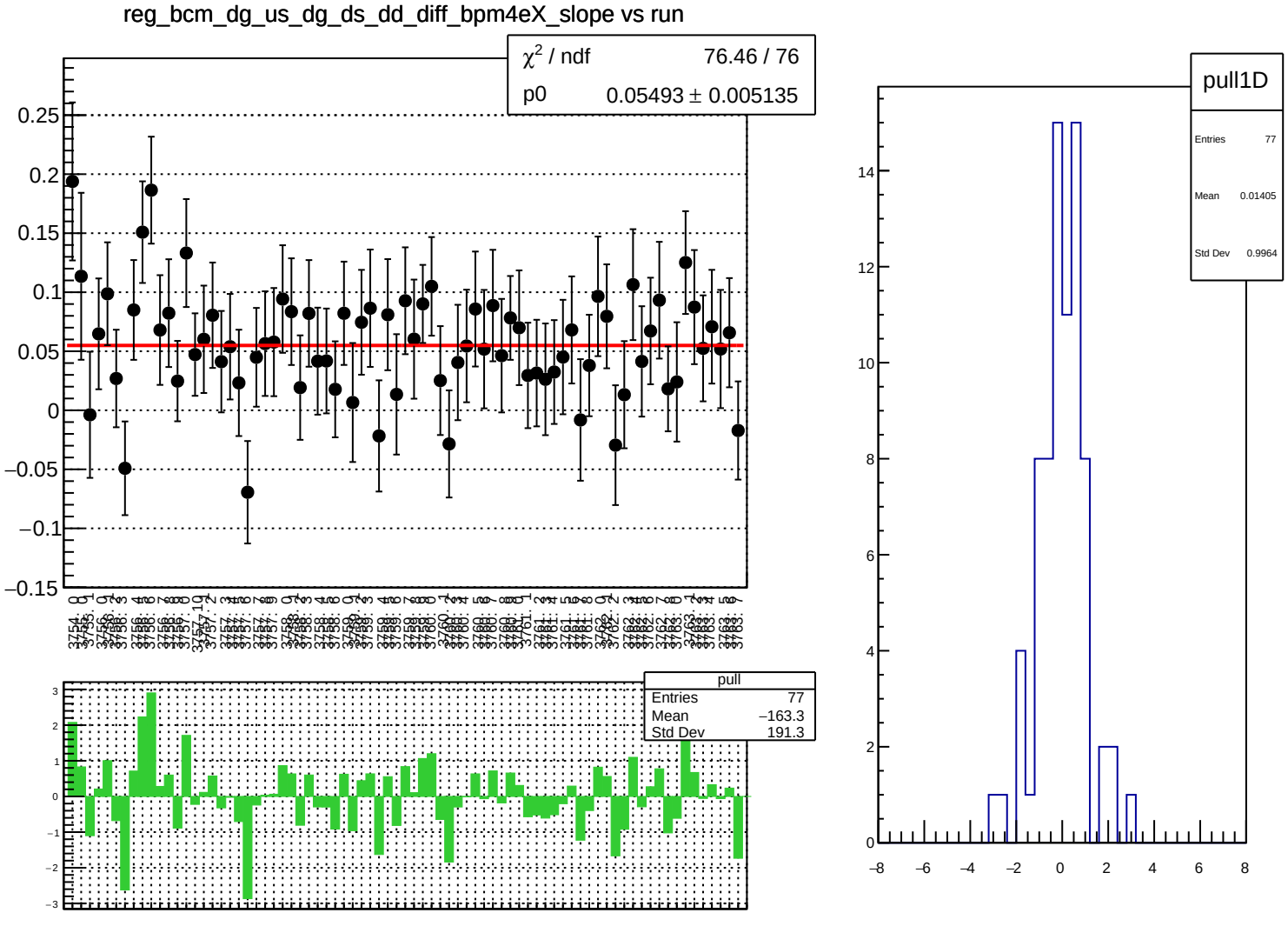

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 78.64 / 76
p0 0.001136 ± 0.005787
pull
Entries 77
Mean 353.7
Std Dev 317.5

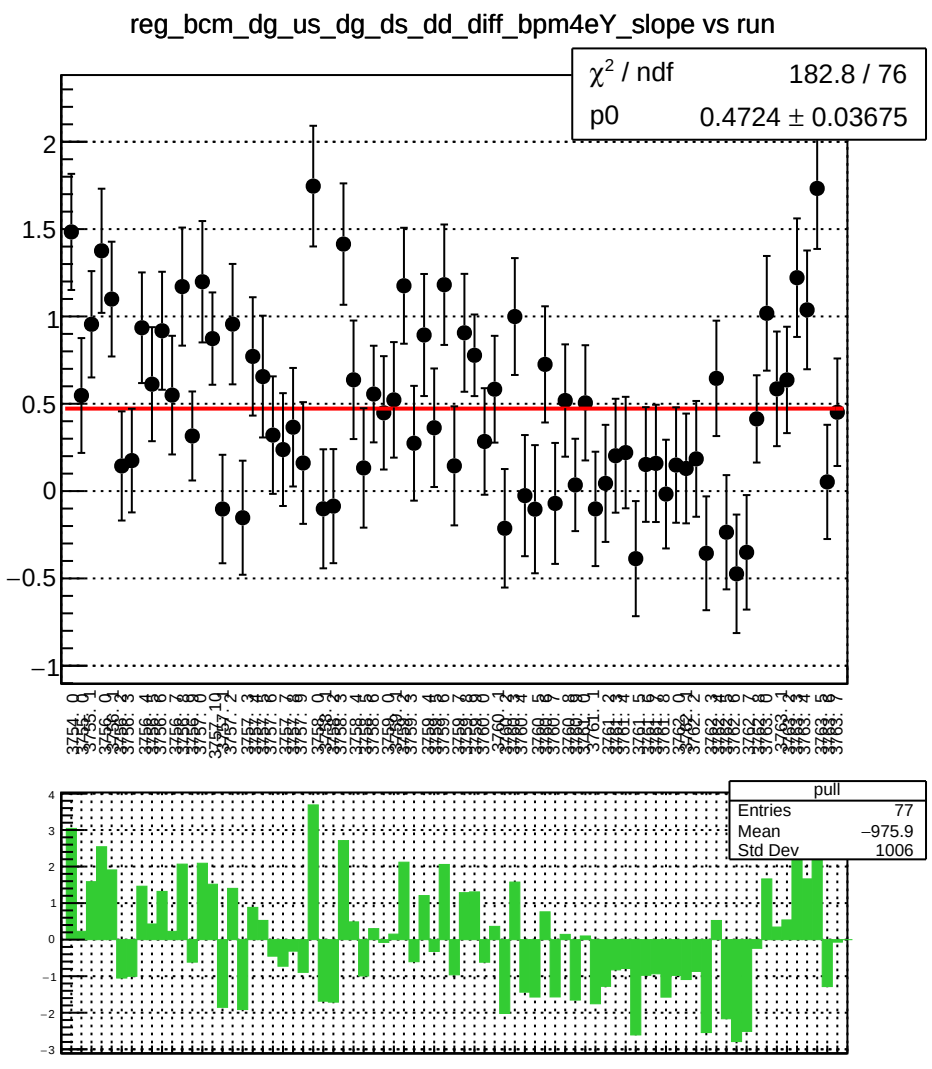

pull1D
Entries 77
Mean 0.01916
Std Dev 1.01

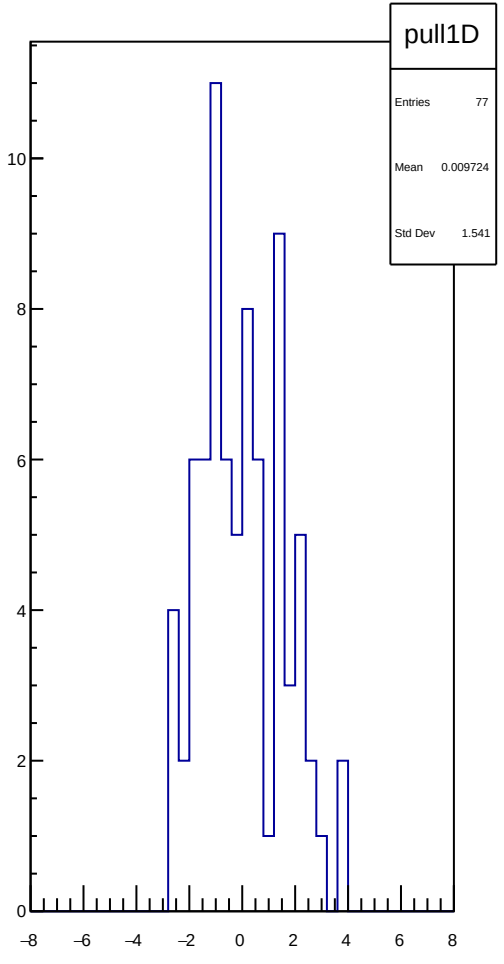

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 77.59 / 76
p0 −0.2035 ± 0.02921
pull
Entries 77
Mean −71.04
Std Dev 90.69

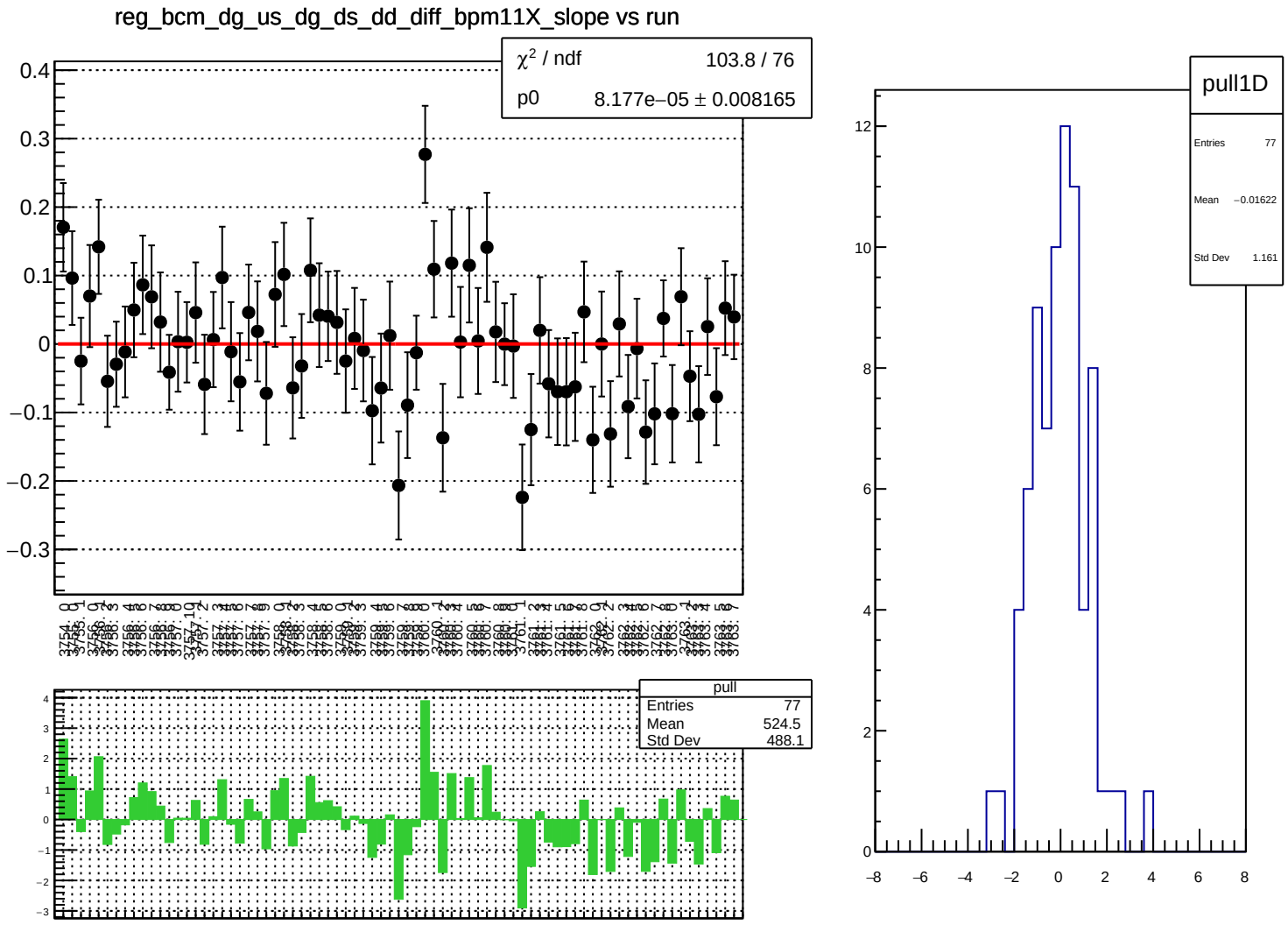

pull1D
Entries 77
Mean −0.01661
Std Dev 1.004

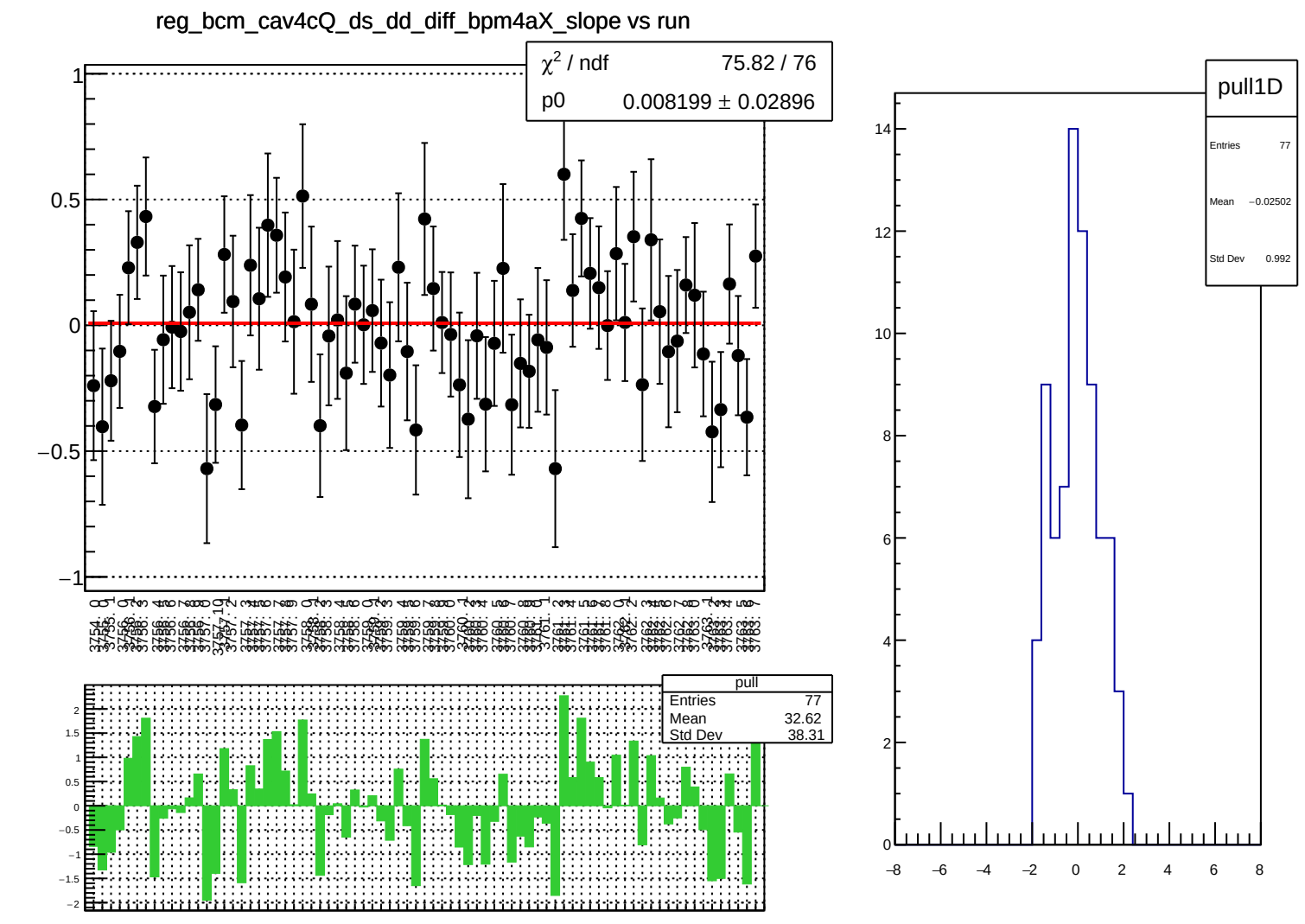

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 180.6 / 76
p0 −0.2828 ± 0.02357
pull
Entries 77
Mean −421.1
Std Dev 450.5
pull1D
Entries 77
Mean −0.02204
Std Dev 1.531

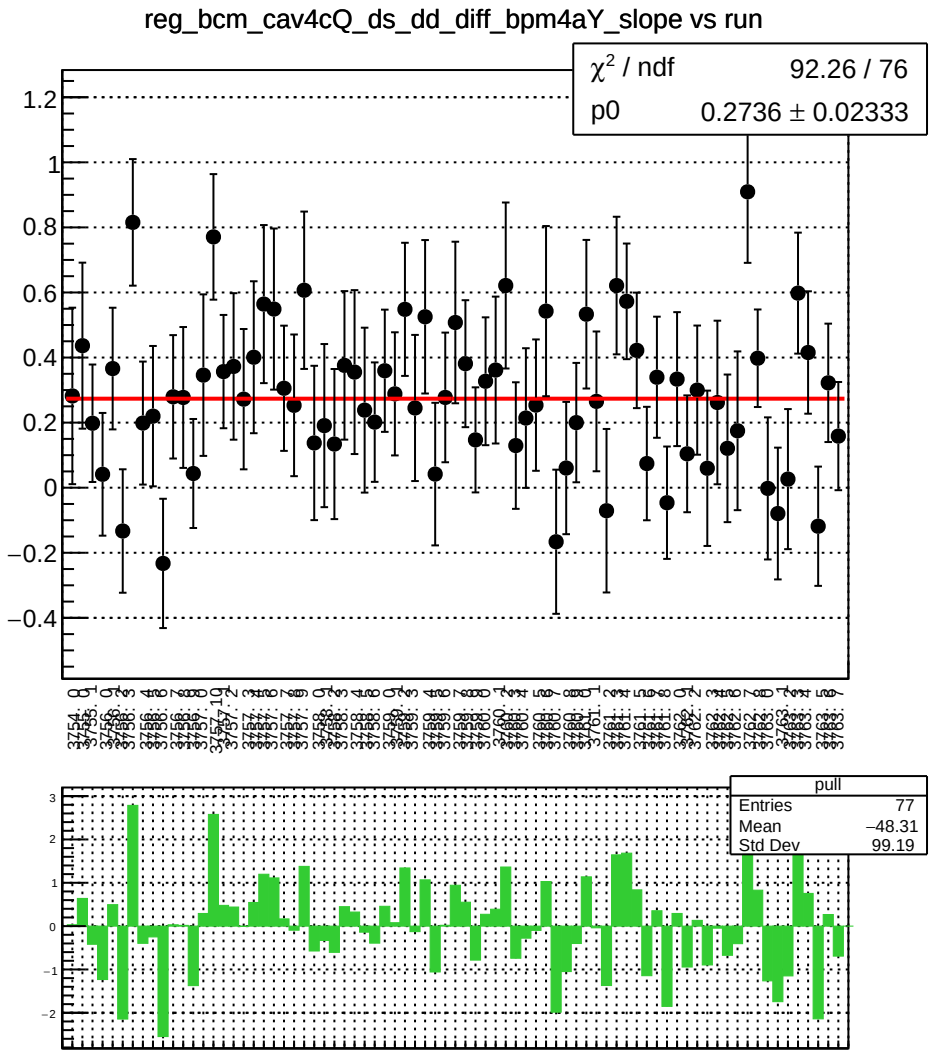

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 76.46 / 76
p0 0.05493 ± 0.005135
pull
Entries 77
Mean −163.3
Std Dev 191.3
pull1D
Entries 77
Mean 0.01405
Std Dev 0.9964

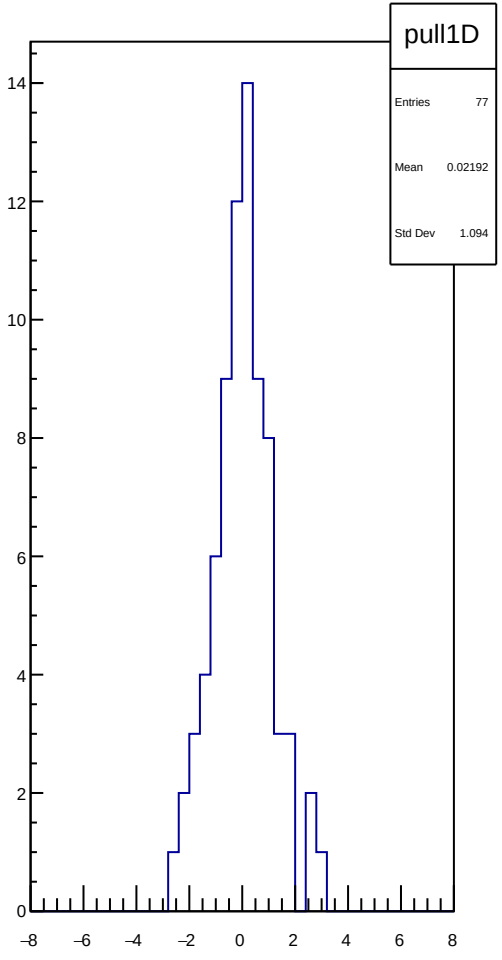

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 182.8 / 76
p0 0.4724 ± 0.03675
pull
Entries 77
Mean −975.9
Std Dev 1006

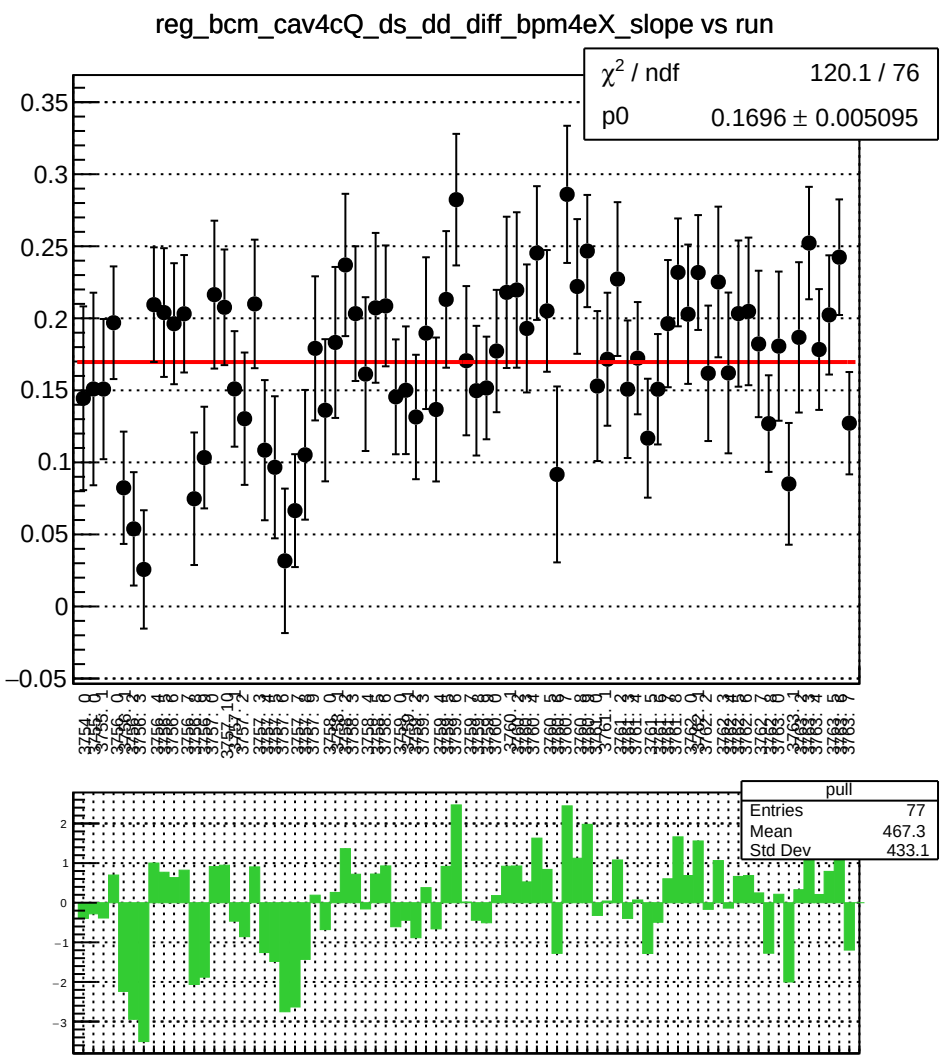

pull1D
Entries 77
Mean 0.009724
Std Dev 1.541

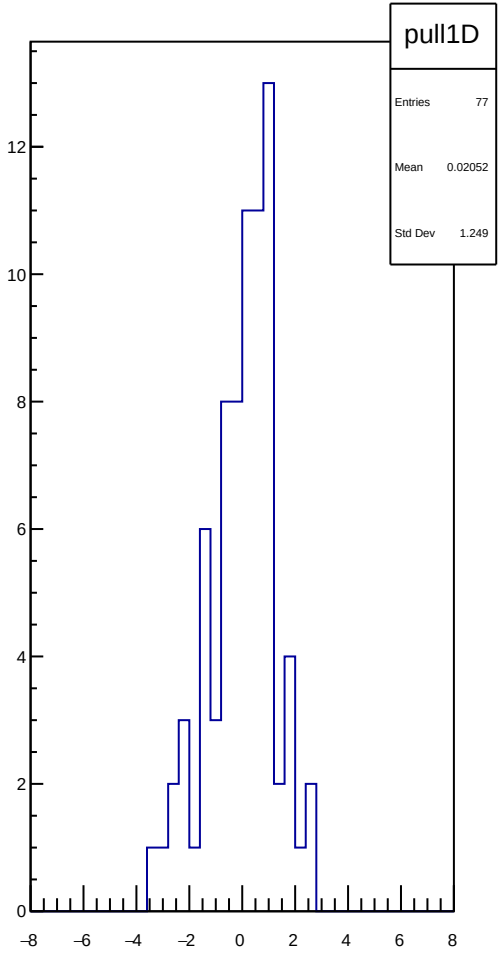

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 103.8 / 76
p0 8.177e−05 ± 0.008165
pull
Entries 77
Mean 524.5
Std Dev 488.1
pull1D
Entries 77
Mean −0.01622
Std Dev 1.161

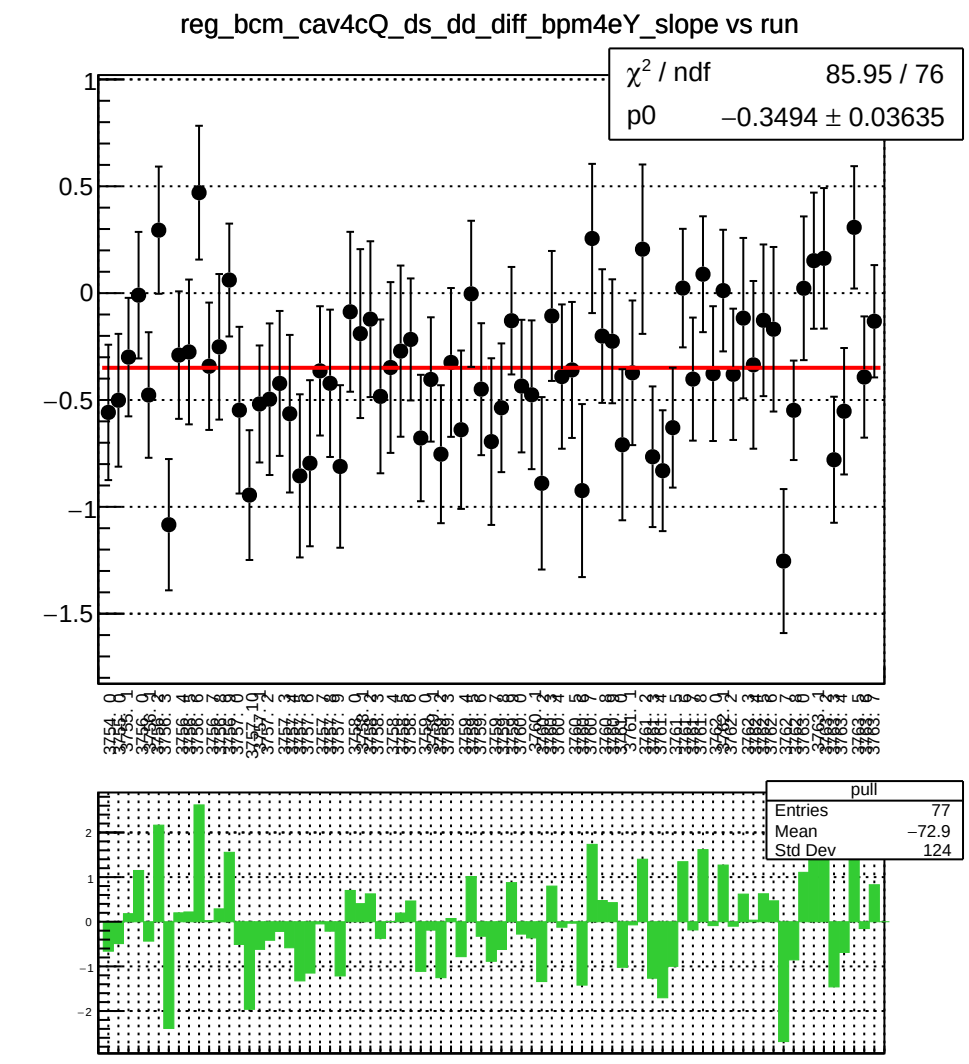

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 75.82 / 76
p0 0.008199 ± 0.02896
pull
Entries 77
Mean 32.62
Std Dev 38.31
pull1D
Entries 77
Mean −0.02502
Std Dev 0.992

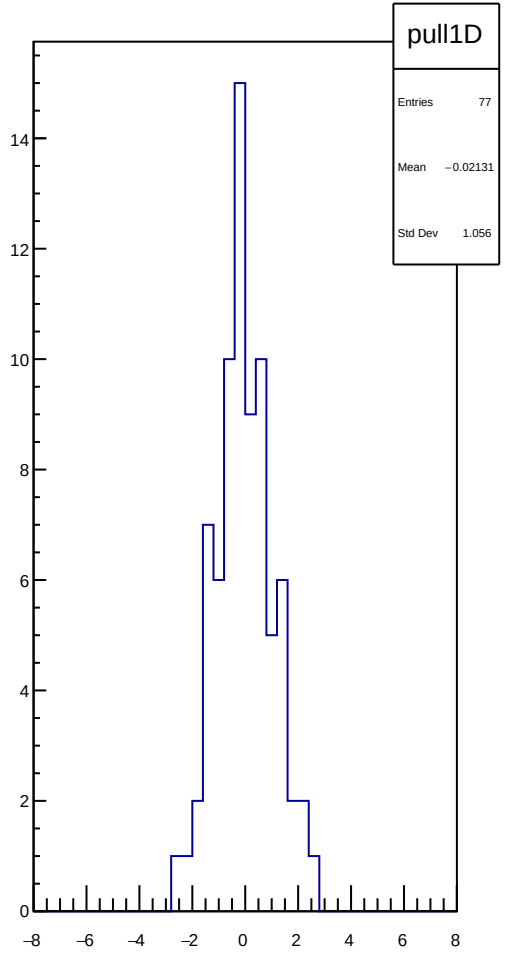

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 92.26 / 76
p0 0.2736 ± 0.02333
pull
Entries 77
Mean −48.31
Std Dev 99.19

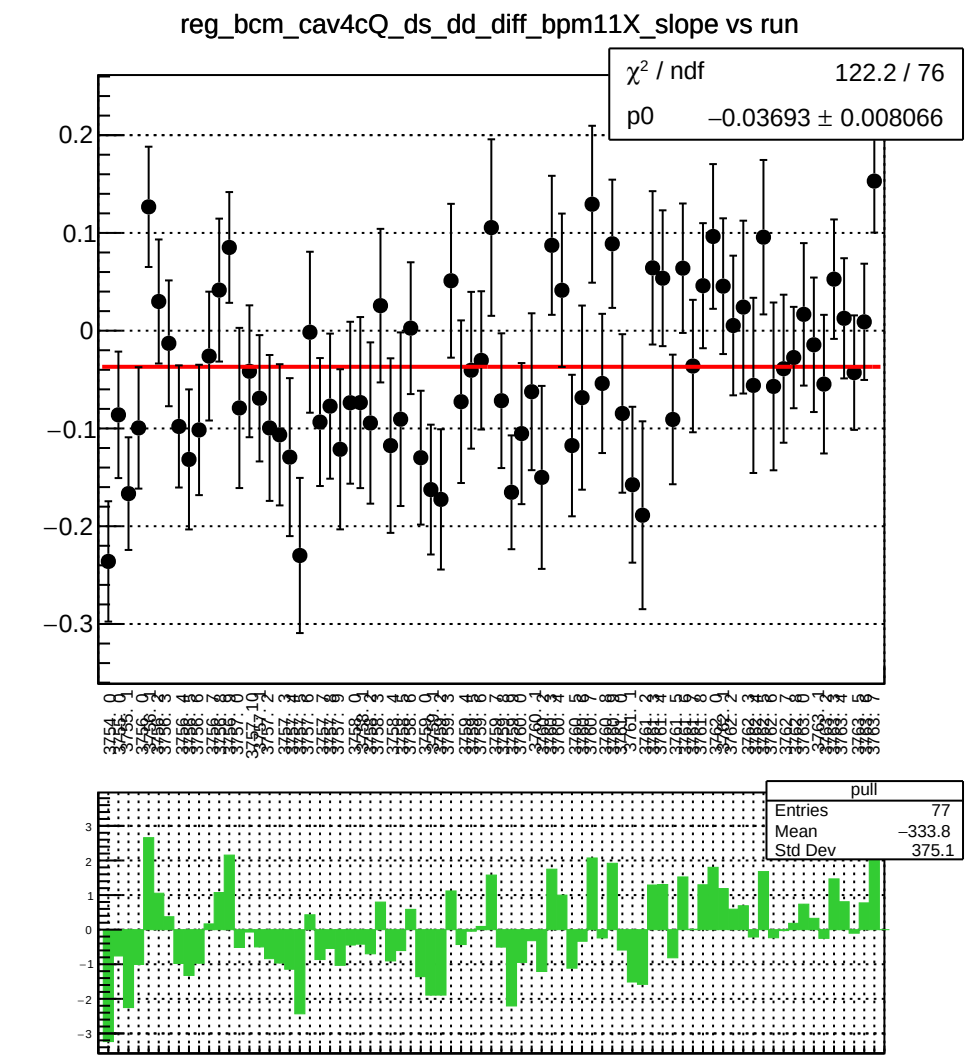

pull1D
Entries 77
Mean 0.02192
Std Dev 1.094

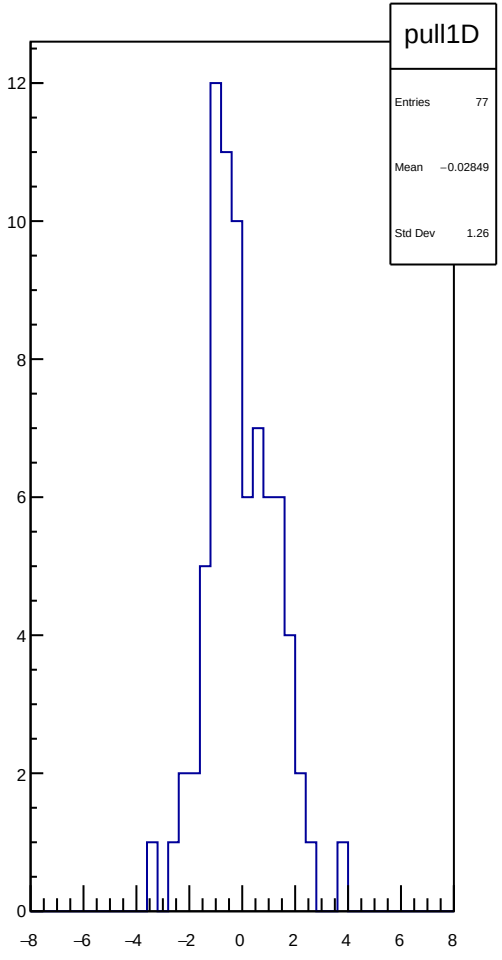

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 120.1 / 76
p0 0.1696 ± 0.005095
pull
Entries 77
Mean 467.3
Std Dev 433.1

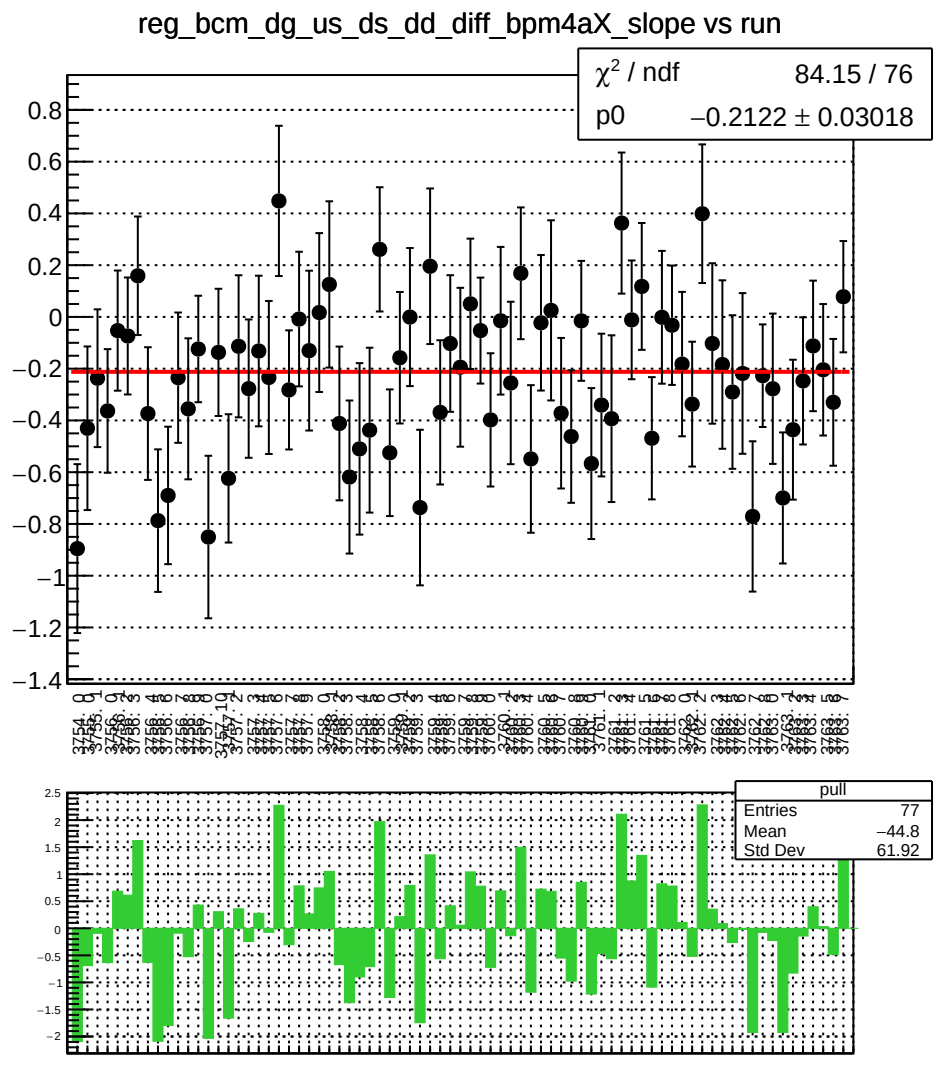

pull1D
Entries 77
Mean 0.02052
Std Dev 1.249

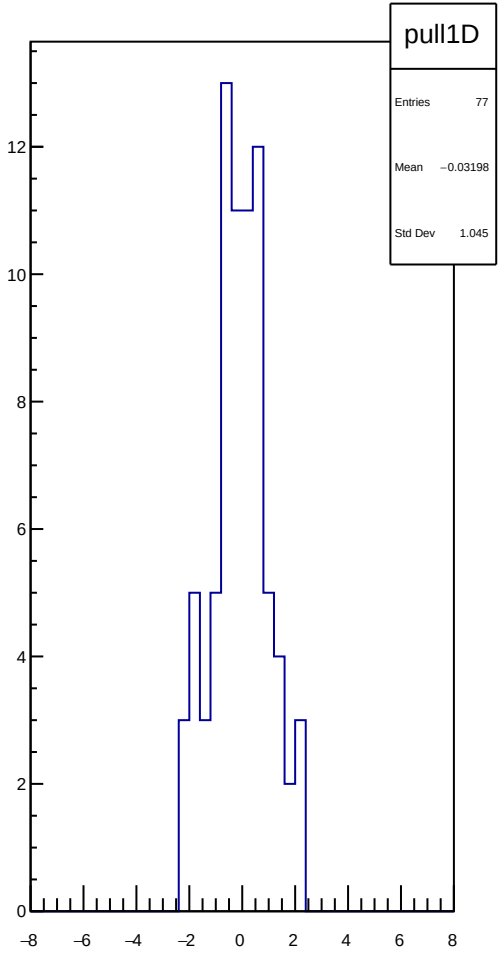

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.95 / 76
p0 −0.3494 ± 0.03635
pull
Entries 77
Mean −72.9
Std Dev 124

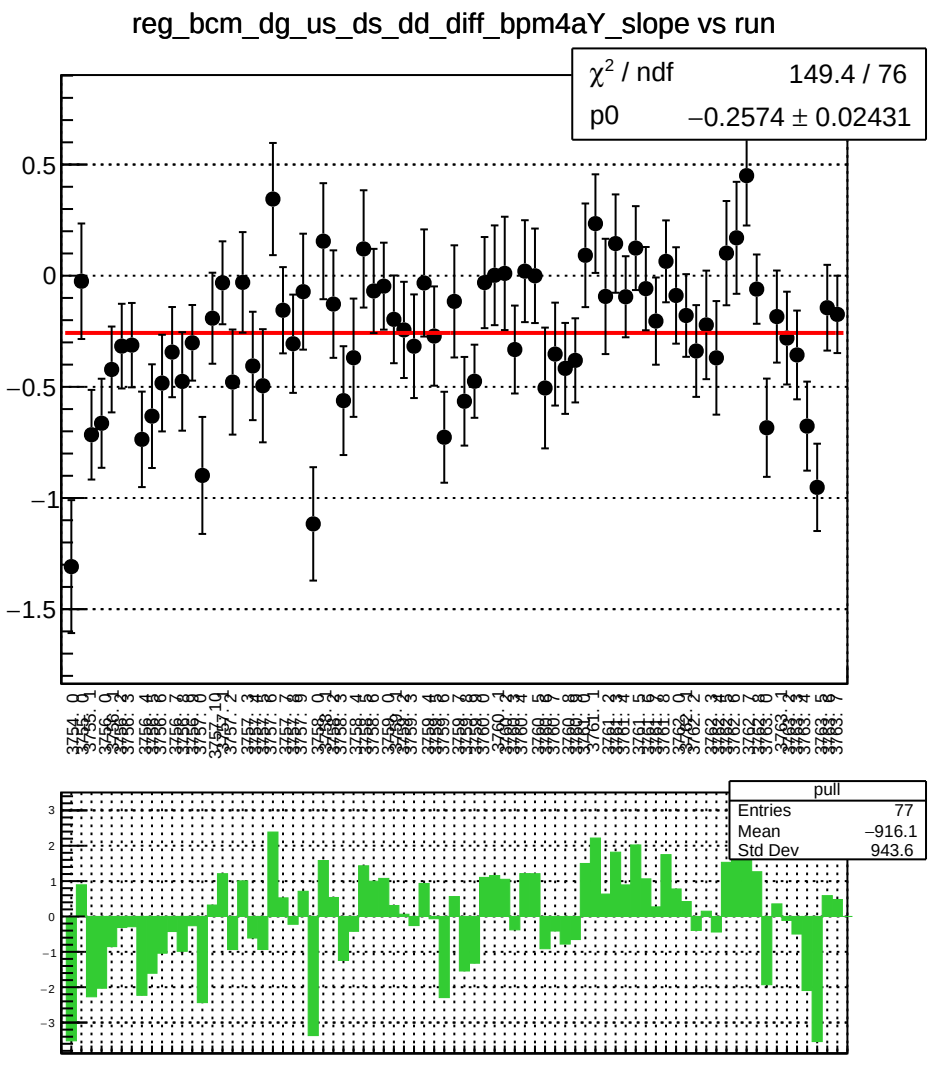

pull1D
Entries 77
Mean −0.02131
Std Dev 1.056

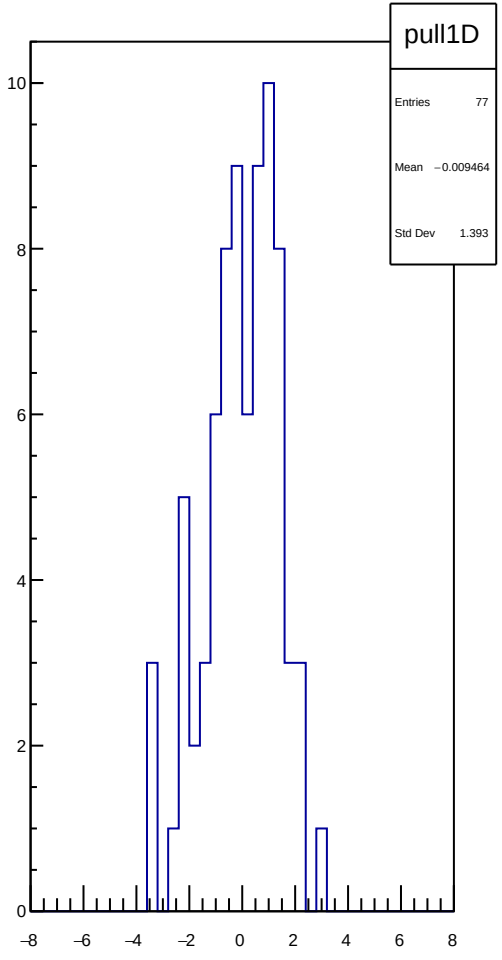

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 122.2 / 76
p0 −0.03693 ± 0.008066
pull
Entries 77
Mean −333.8
Std Dev 375.1

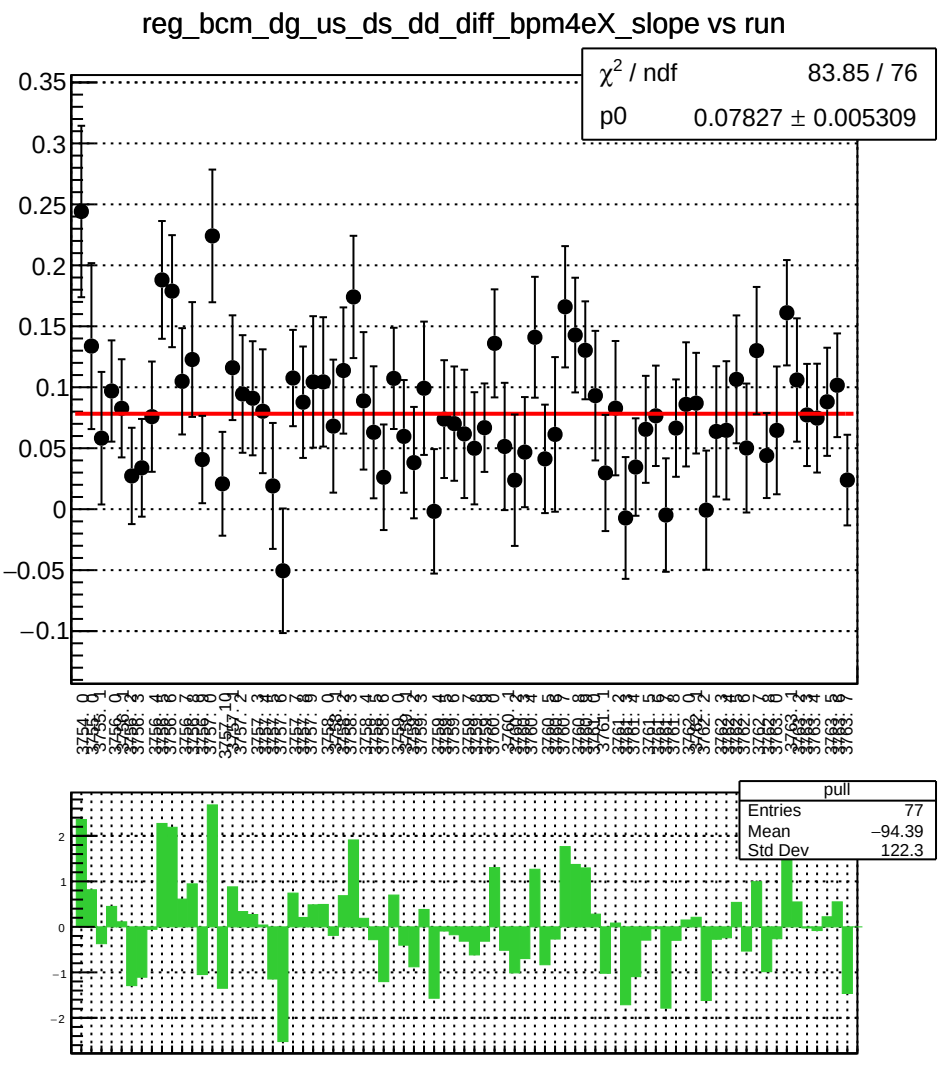

pull1D
Entries 77
Mean −0.02849
Std Dev 1.26

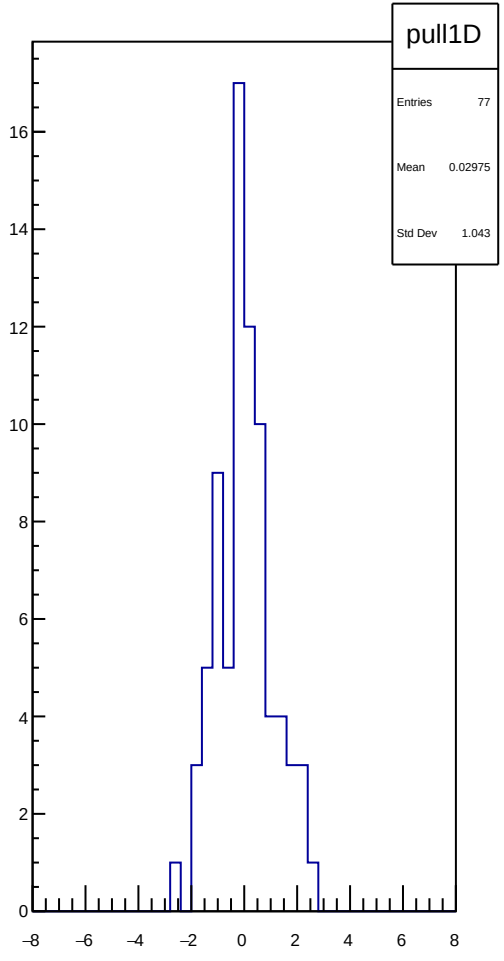

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 84.15 / 76
p0 −0.2122 ± 0.03018
pull
Entries 77
Mean −44.8
Std Dev 61.92

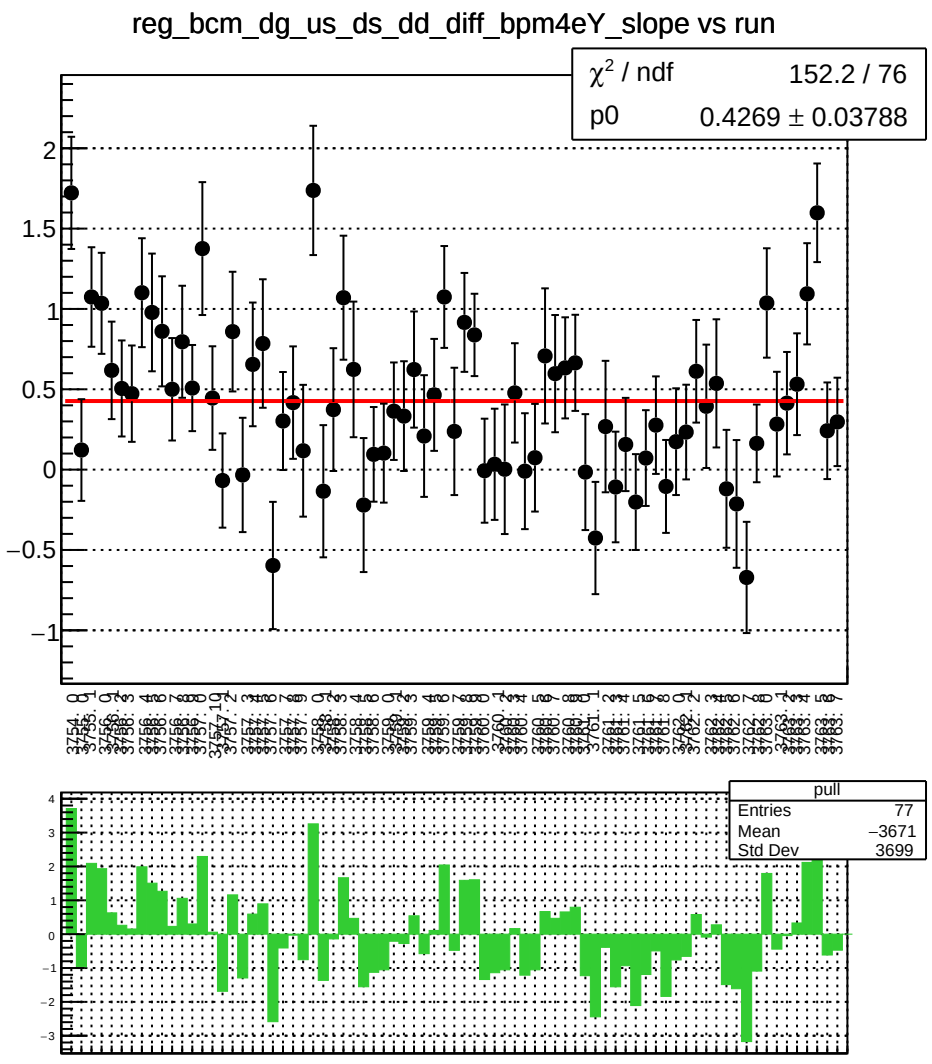

pull1D
Entries 77
Mean −0.03198
Std Dev 1.045

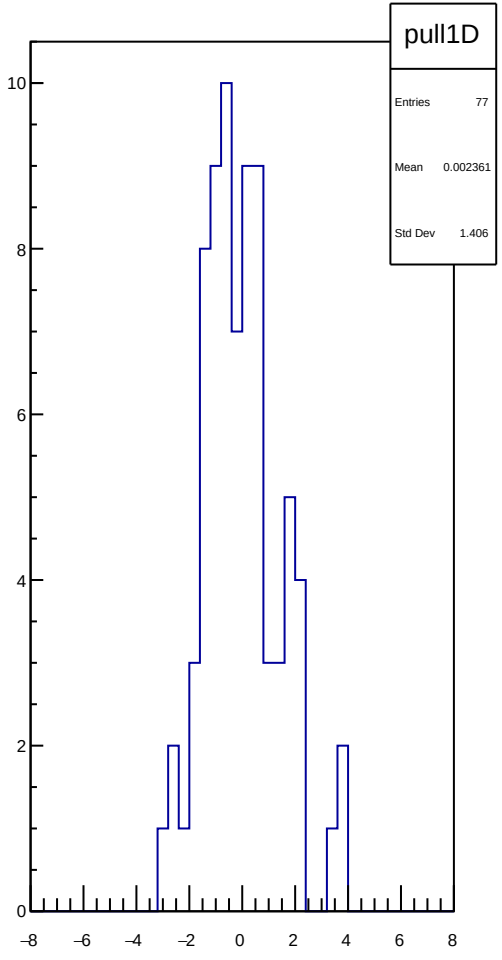

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 149.4 / 76
p0 −0.2574 ± 0.02431
pull
Entries 77
Mean −916.1
Std Dev 943.6

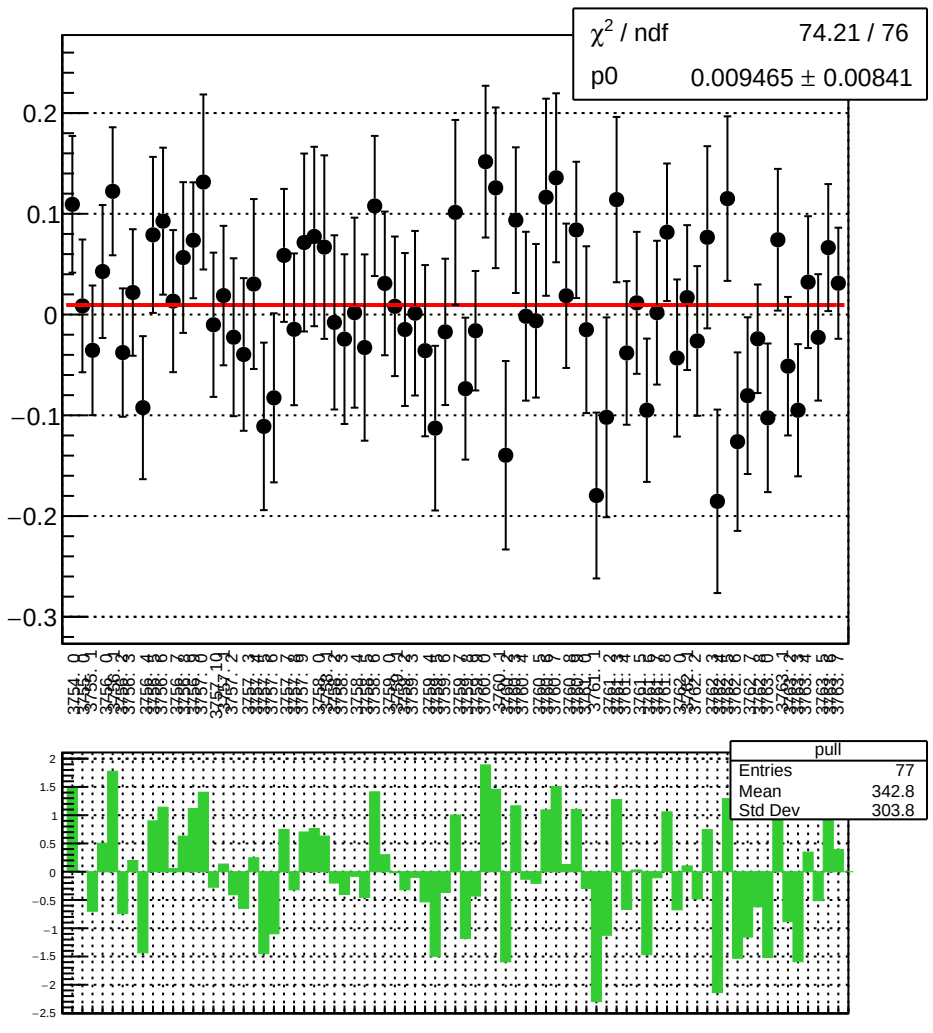

pull1D
Entries 77
Mean −0.009464
Std Dev 1.393

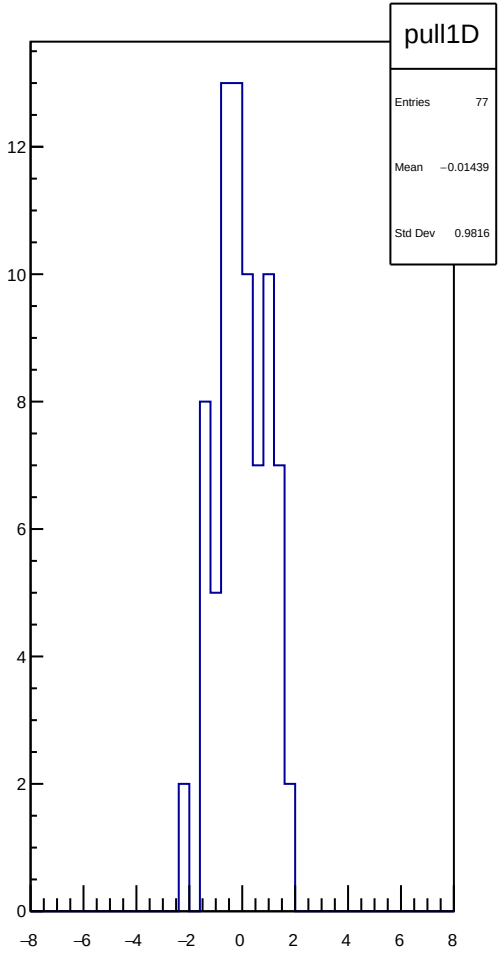

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.85 / 76
p0 0.07827 ± 0.005309
pull
Entries 77
Mean −94.39
Std Dev 122.3

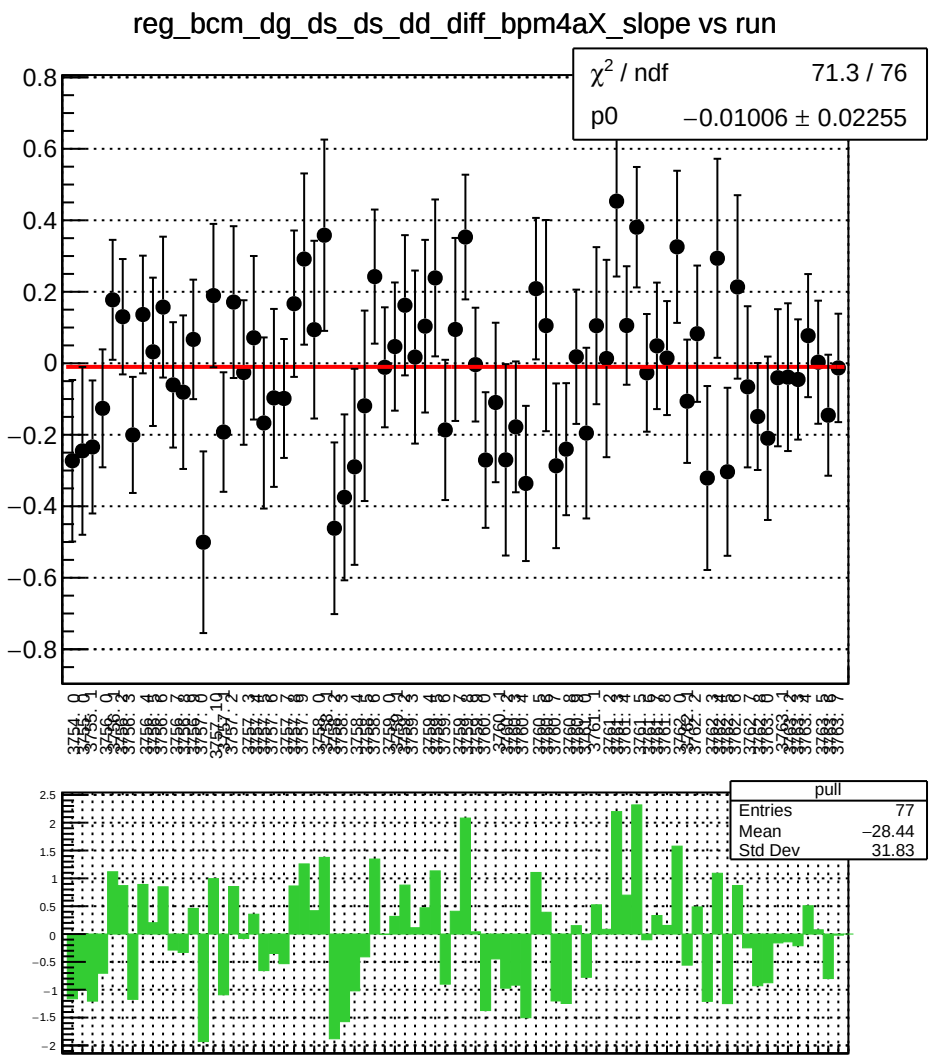

pull1D
Entries 77
Mean 0.02975
Std Dev 1.043

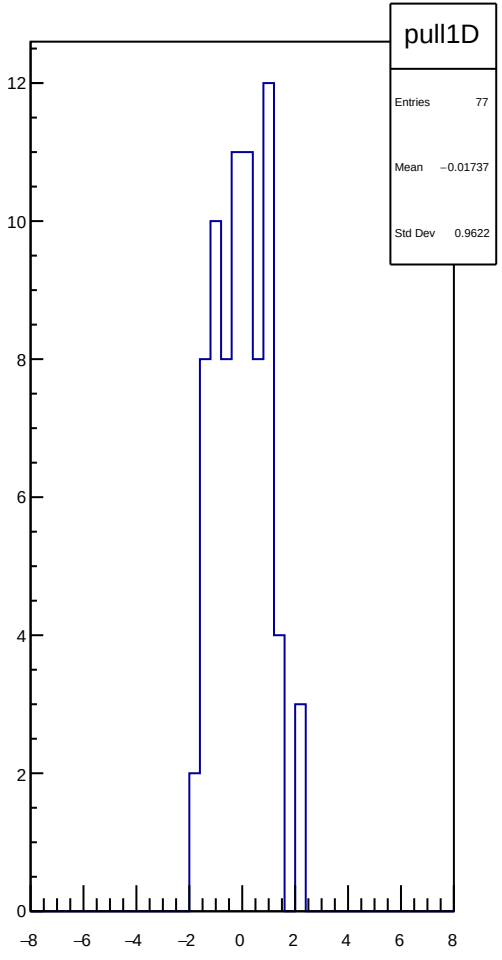

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 152.2 / 76
p0 0.4269 ± 0.03788
pull
Entries 77
Mean −3671
Std Dev 3699

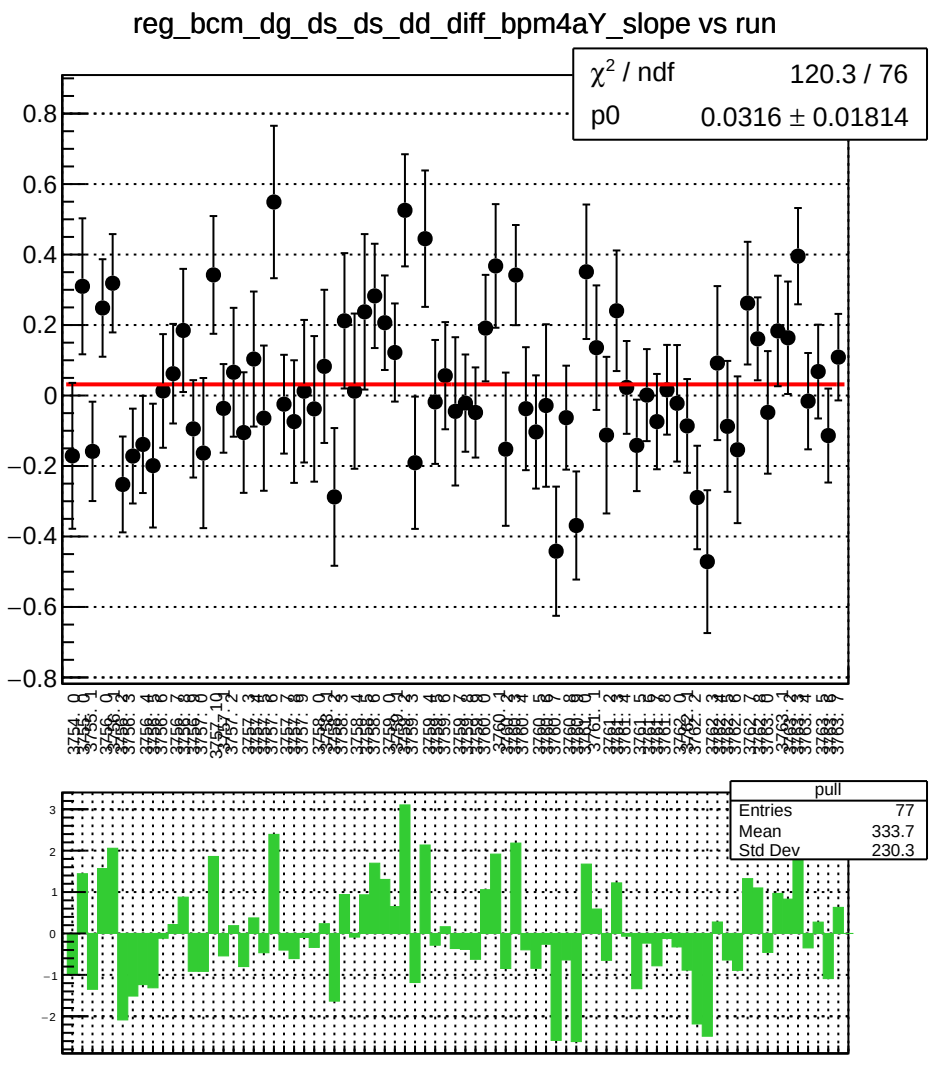

pull1D
Entries 77
Mean 0.002361
Std Dev 1.406

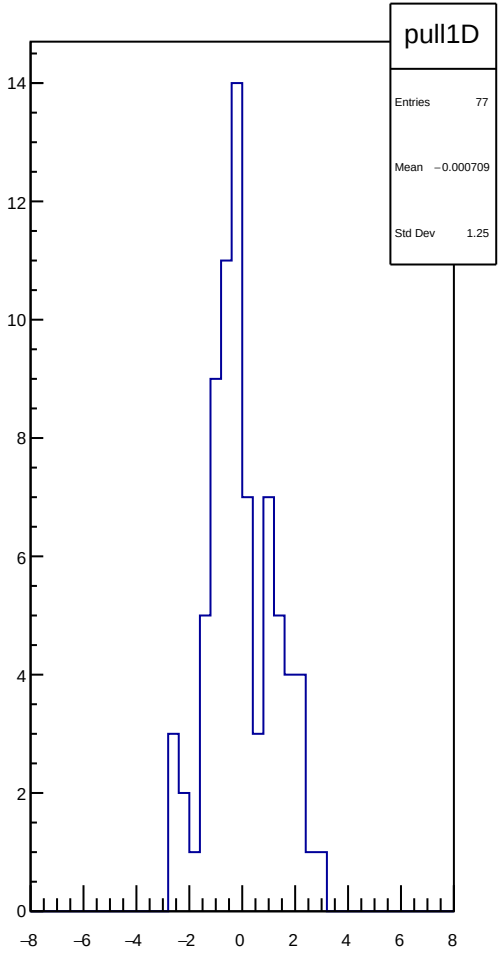

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 74.21 / 76
p0 0.009465 ± 0.00841
pull
Entries 77
Mean 342.8
Std Dev 303.8

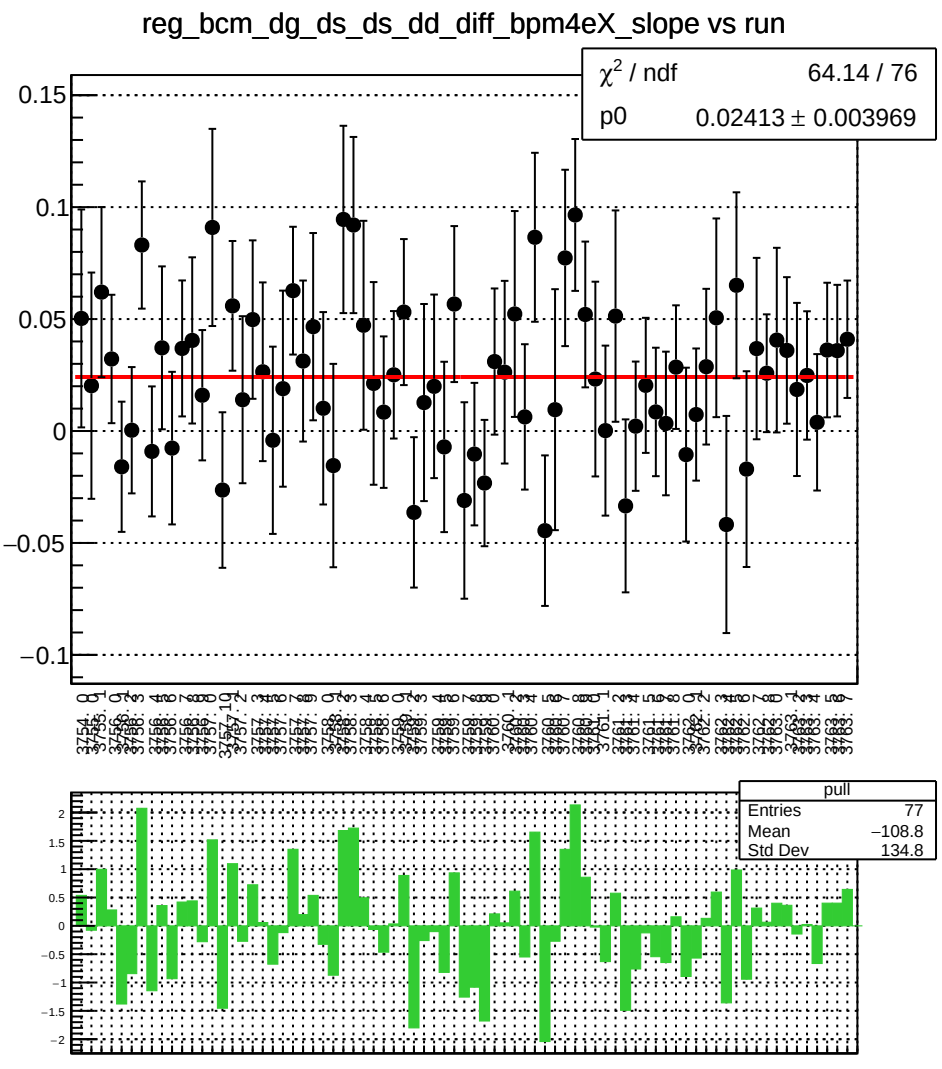

pull1D
Entries 77
Mean −0.01439
Std Dev 0.9816

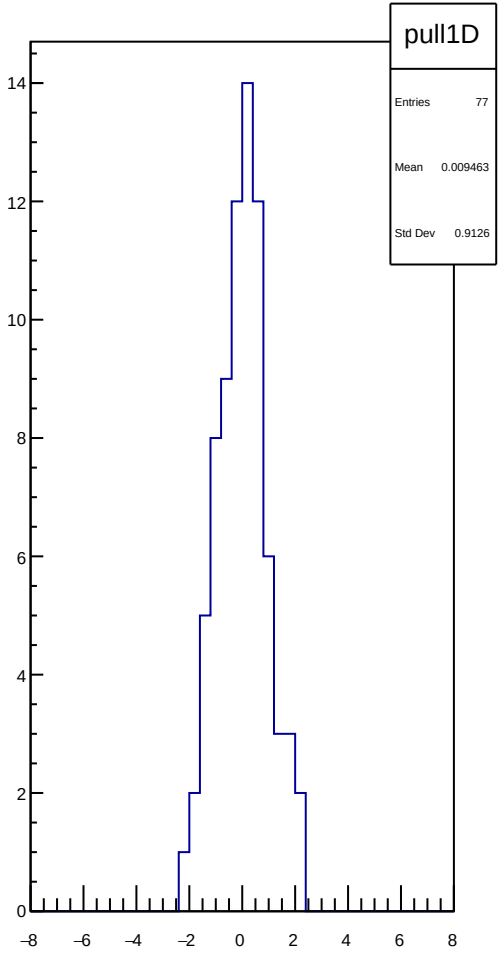

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 71.3 / 76
p0 −0.01006 ± 0.02255
pull
Entries 77
Mean −28.44
Std Dev 31.83

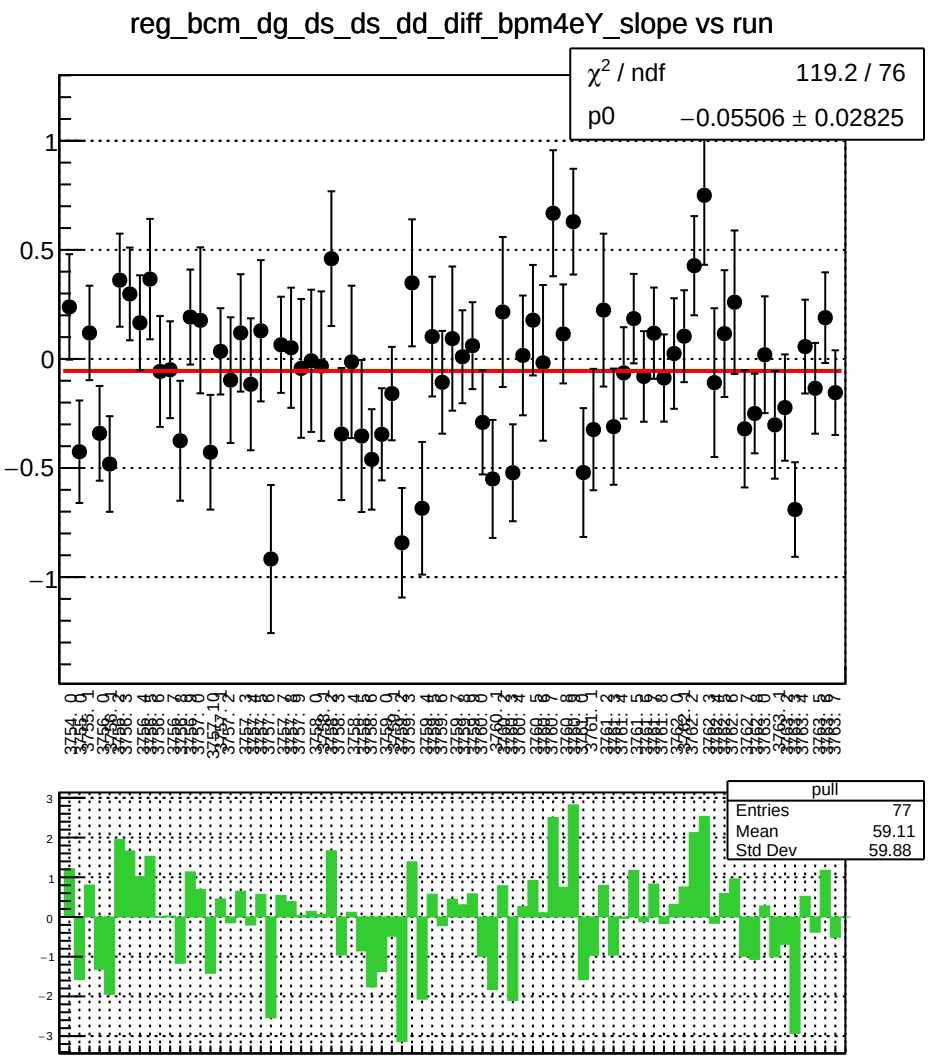

pull1D
Entries 77
Mean −0.01737
Std Dev 0.9622

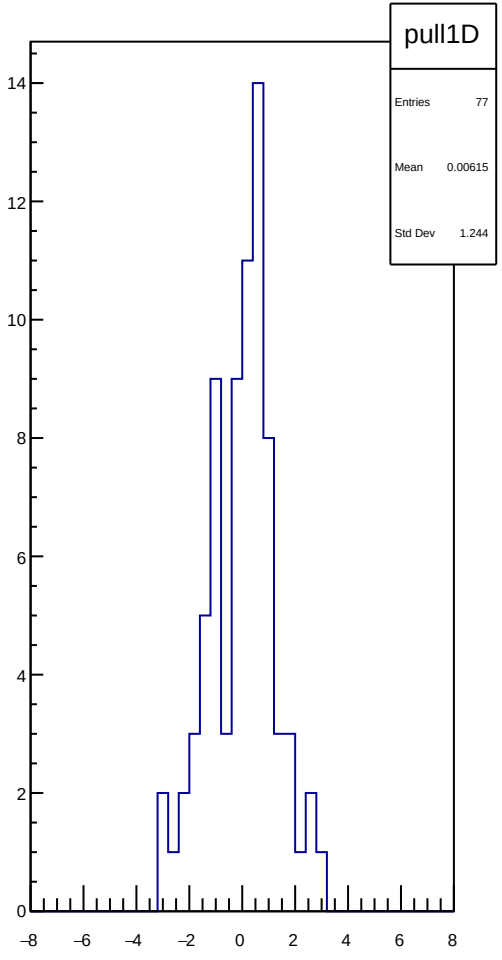

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 120.3 / 76
p0 0.0316 ± 0.01814
pull
Entries 77
Mean 333.7
Std Dev 230.3

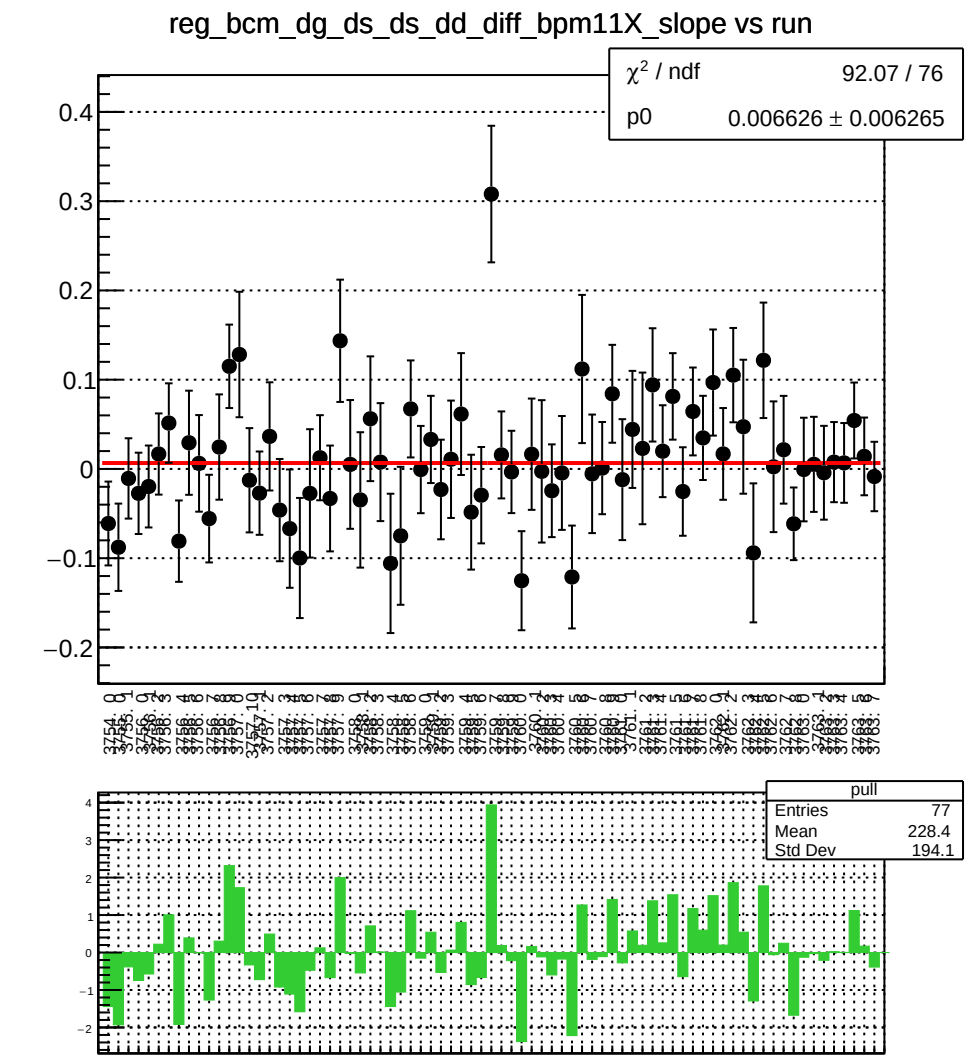

pull1D
Entries 77
Mean −0.000709
Std Dev 1.25

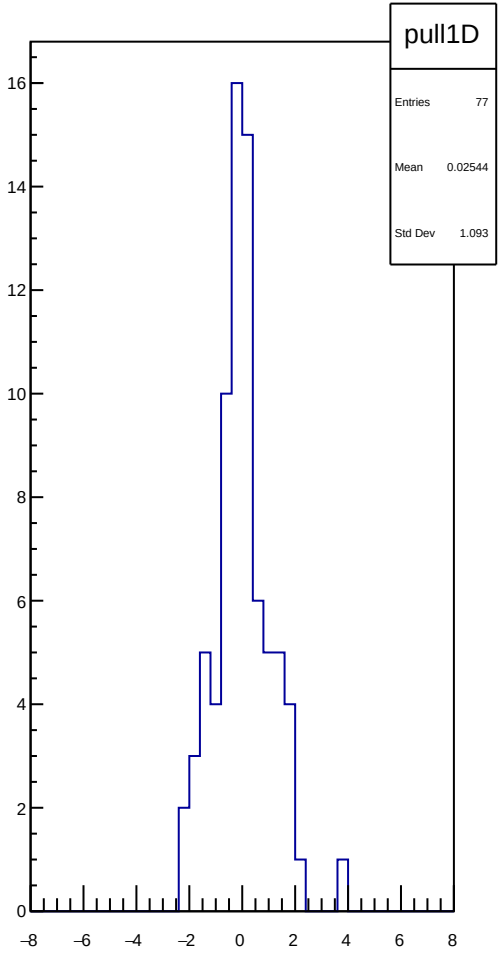

reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.14 / 76
p0 0.02413 ± 0.003969
pull
Entries 77
Mean −108.8
Std Dev 134.8


pull1D
Entries 77
Mean 0.009463
Std Dev 0.9126


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 119.2 / 76
p0 −0.05506 ± 0.02825
pull
Entries 77
Mean 59.11
Std Dev 59.88


pull1D
Entries 77
Mean 0.00615
Std Dev 1.244


reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 92.07 / 76
p0 0.006626 ± 0.006265
pull
Entries 77
Mean 228.4
Std Dev 194.1


pull1D
Entries 77
Mean 0.02544
Std Dev 1.093