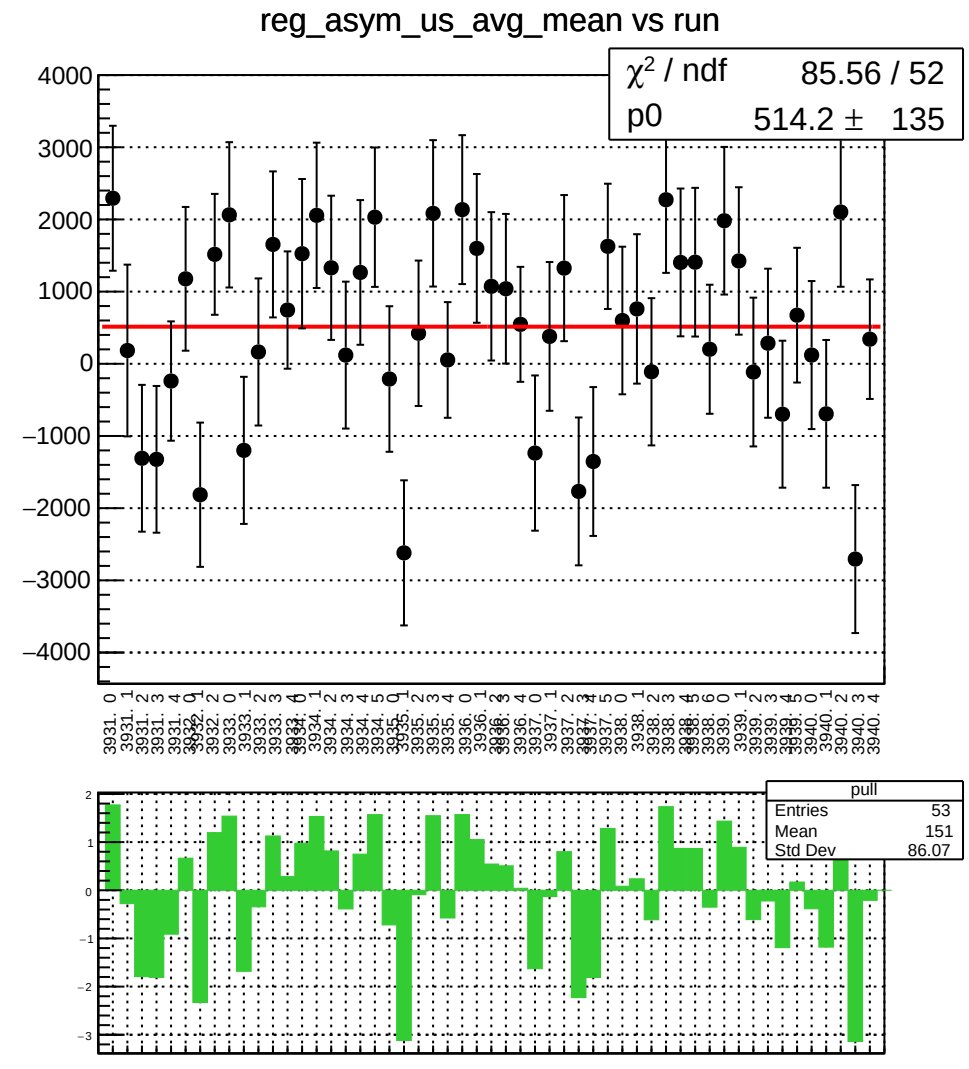
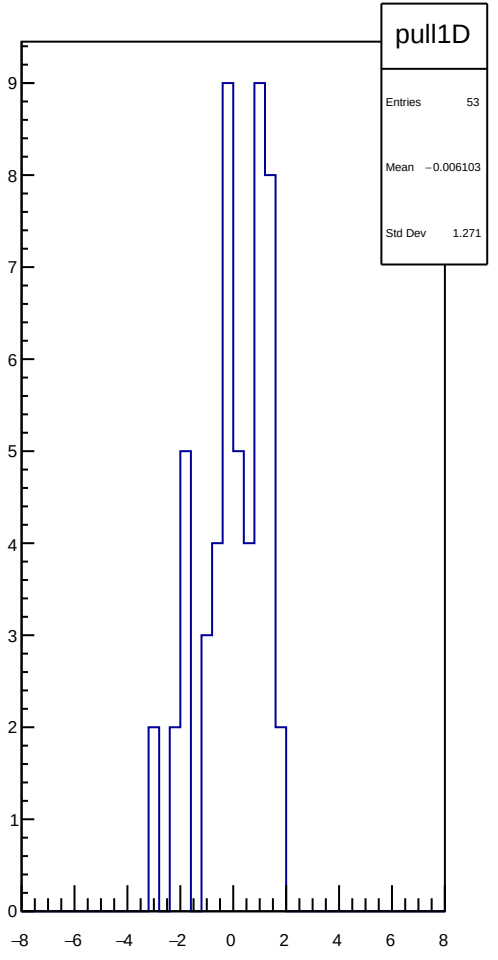
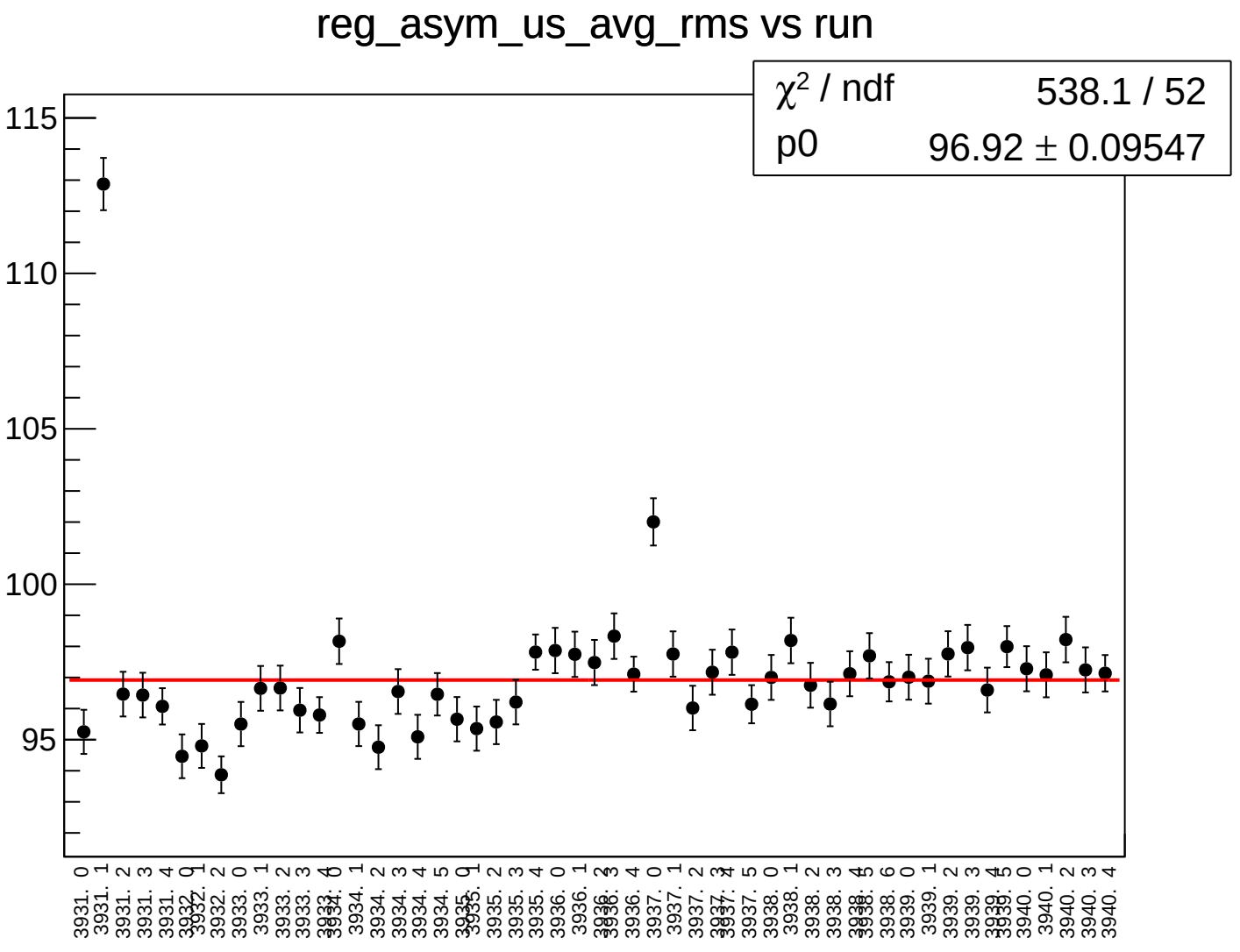
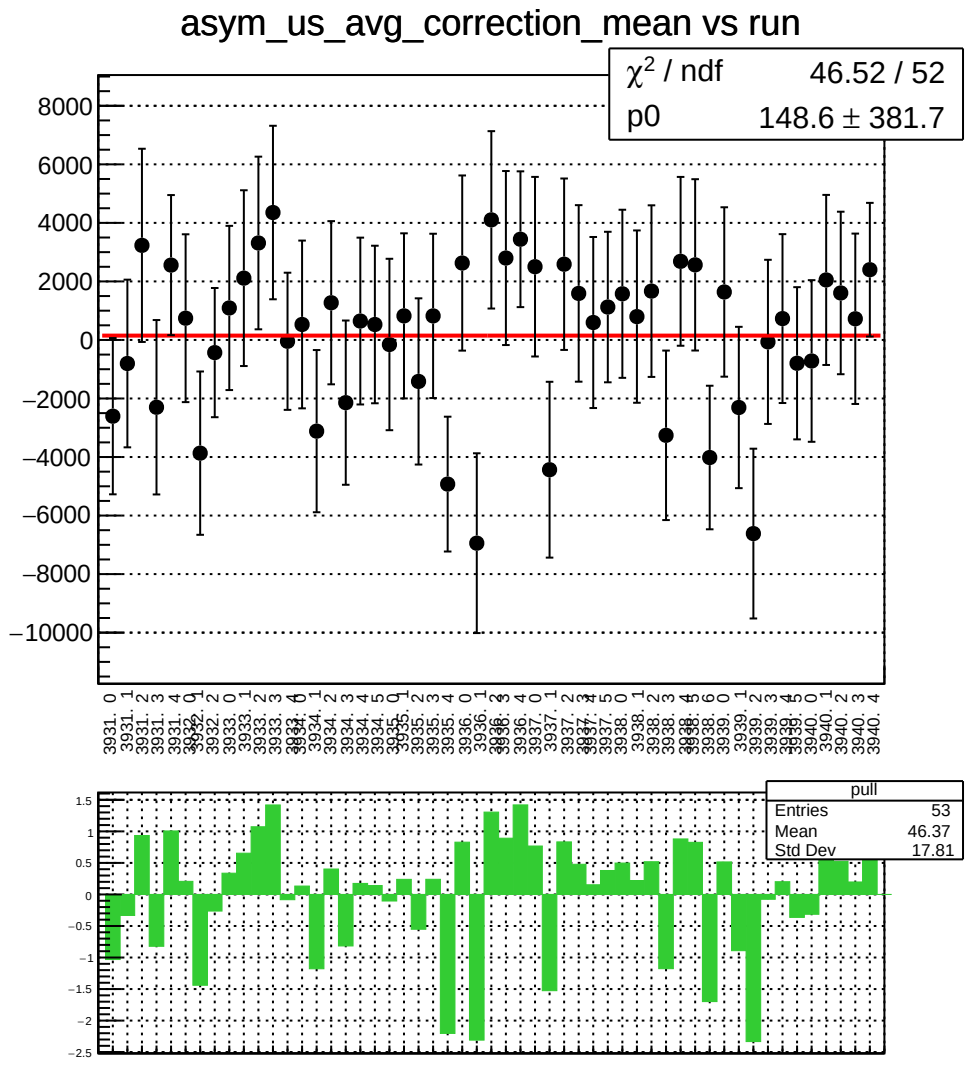
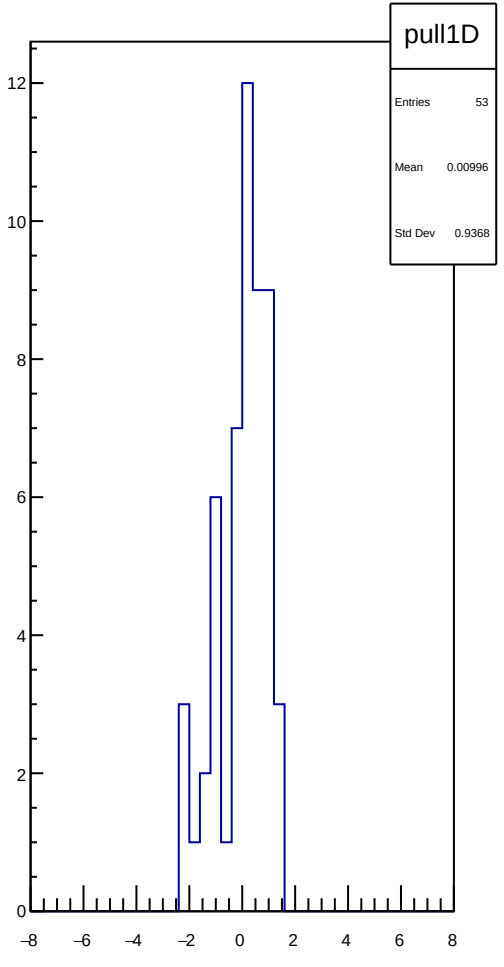
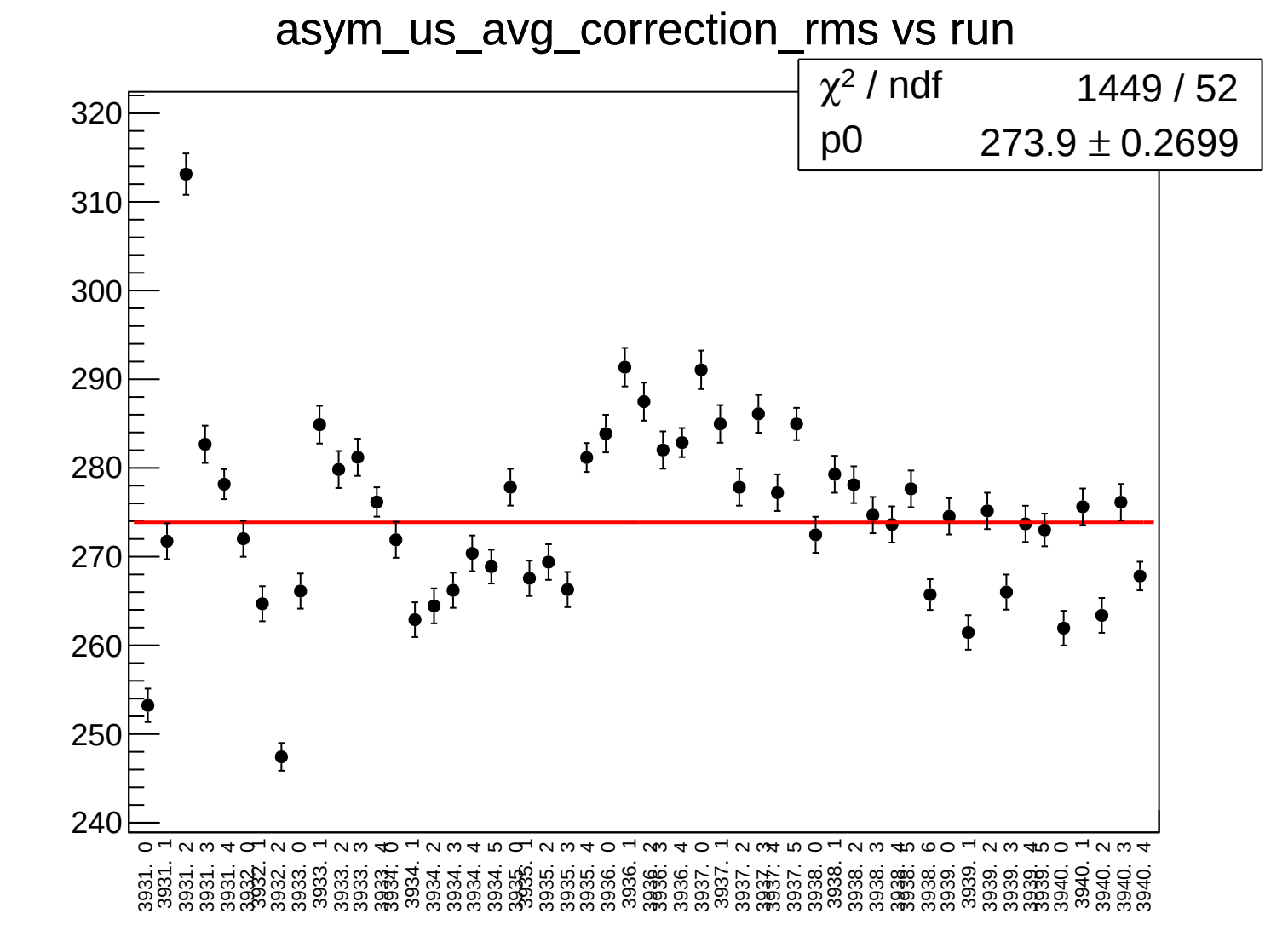

reg_asym_us_avg_mean vs run
χ² / ndf 85.56 / 52
p0 514.2 ± 135
pull
Entries 53
Mean 151
Std Dev 86.07

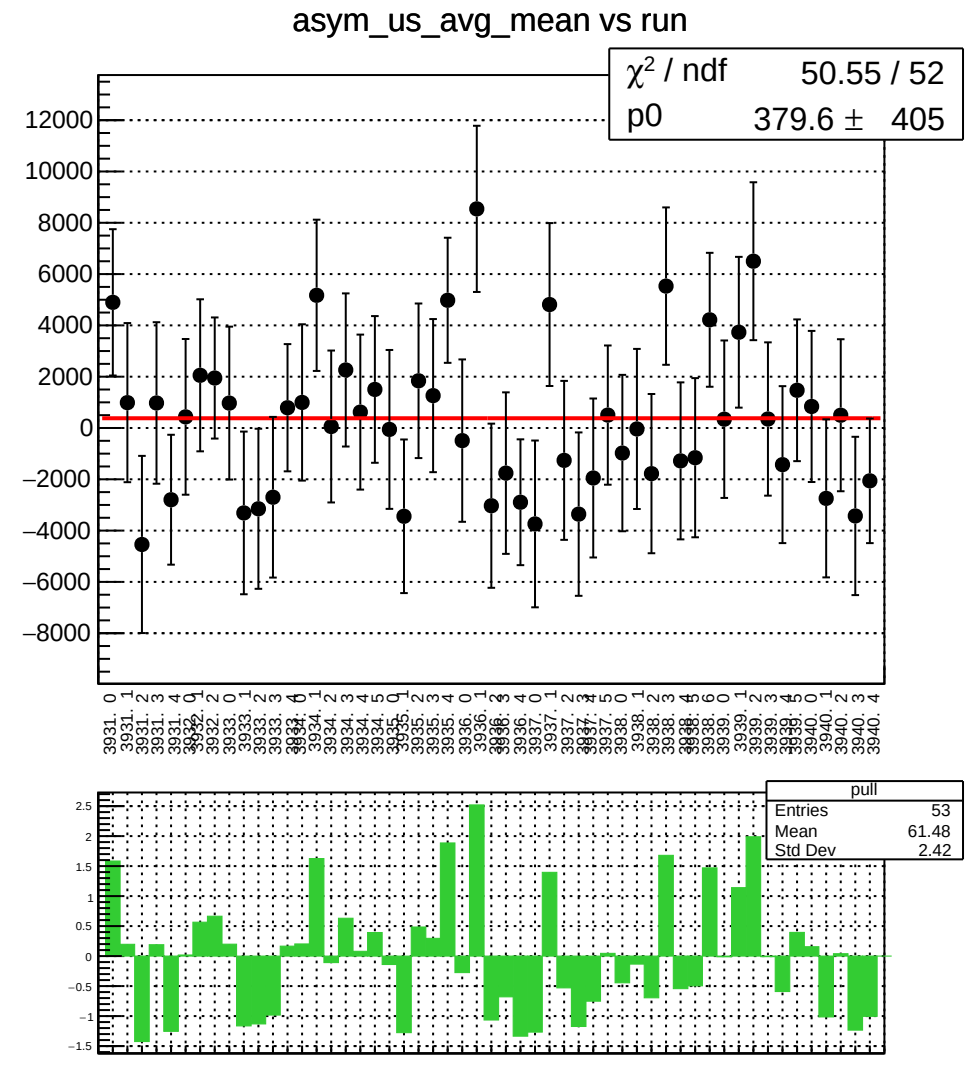

pull1D
Entries 53
Mean −0.006103
Std Dev 1.271

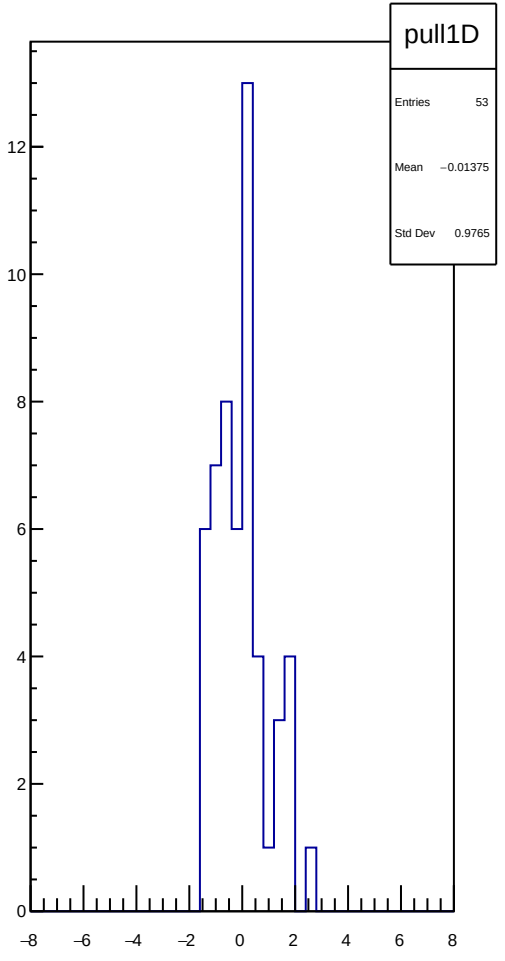

reg_asym_us_avg_rms vs run
χ² / ndf 538.1 / 52
p0 96.92 ± 0.09547
115
110
105
100
95
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

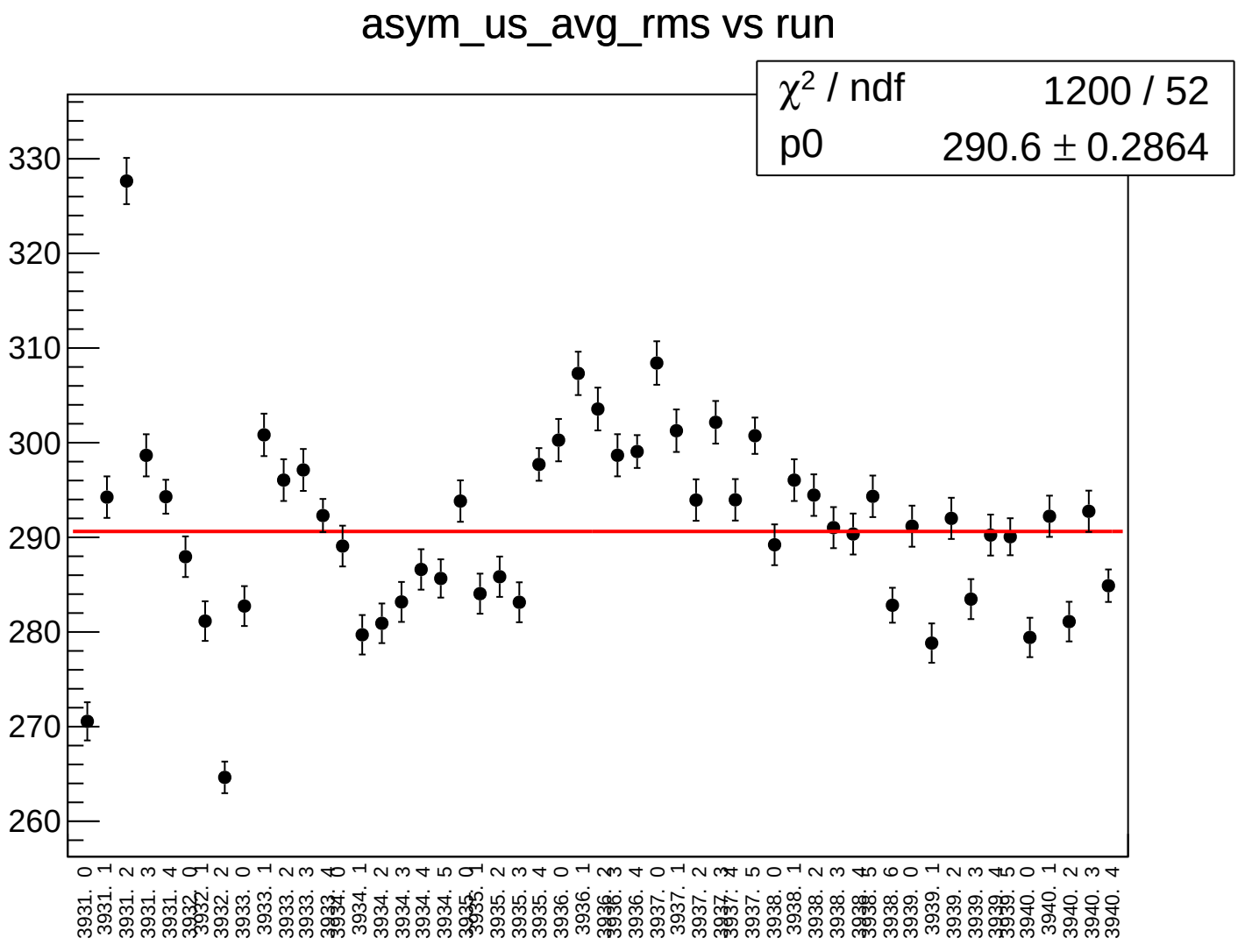

asym_us_avg_correction_mean vs run
χ² / ndf 46.52 / 52
p0 148.6 ± 381.7
pull
Entries 53
Mean 46.37
Std Dev 17.81

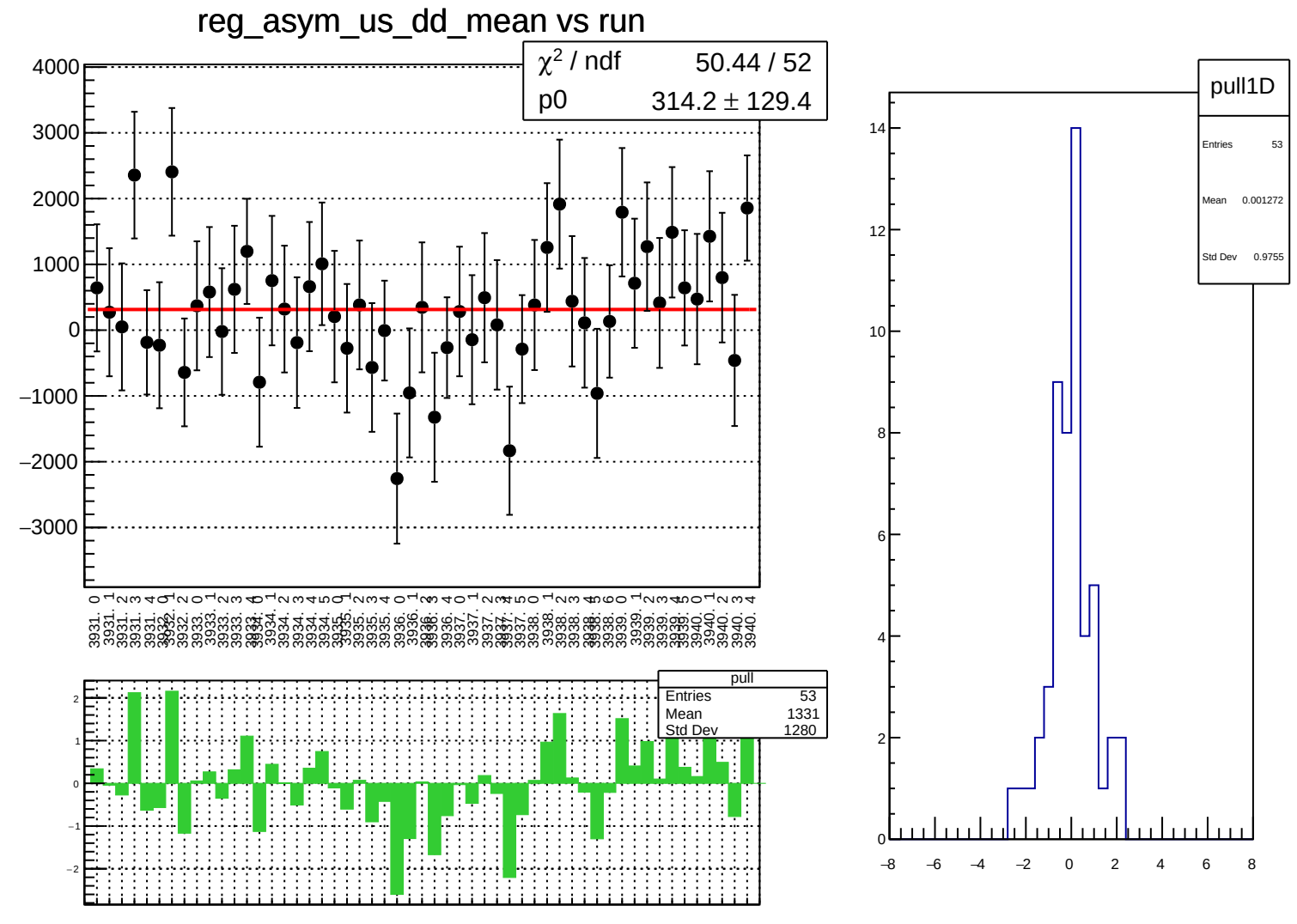

pull1D
Entries 53
Mean 0.00996
Std Dev 0.9368

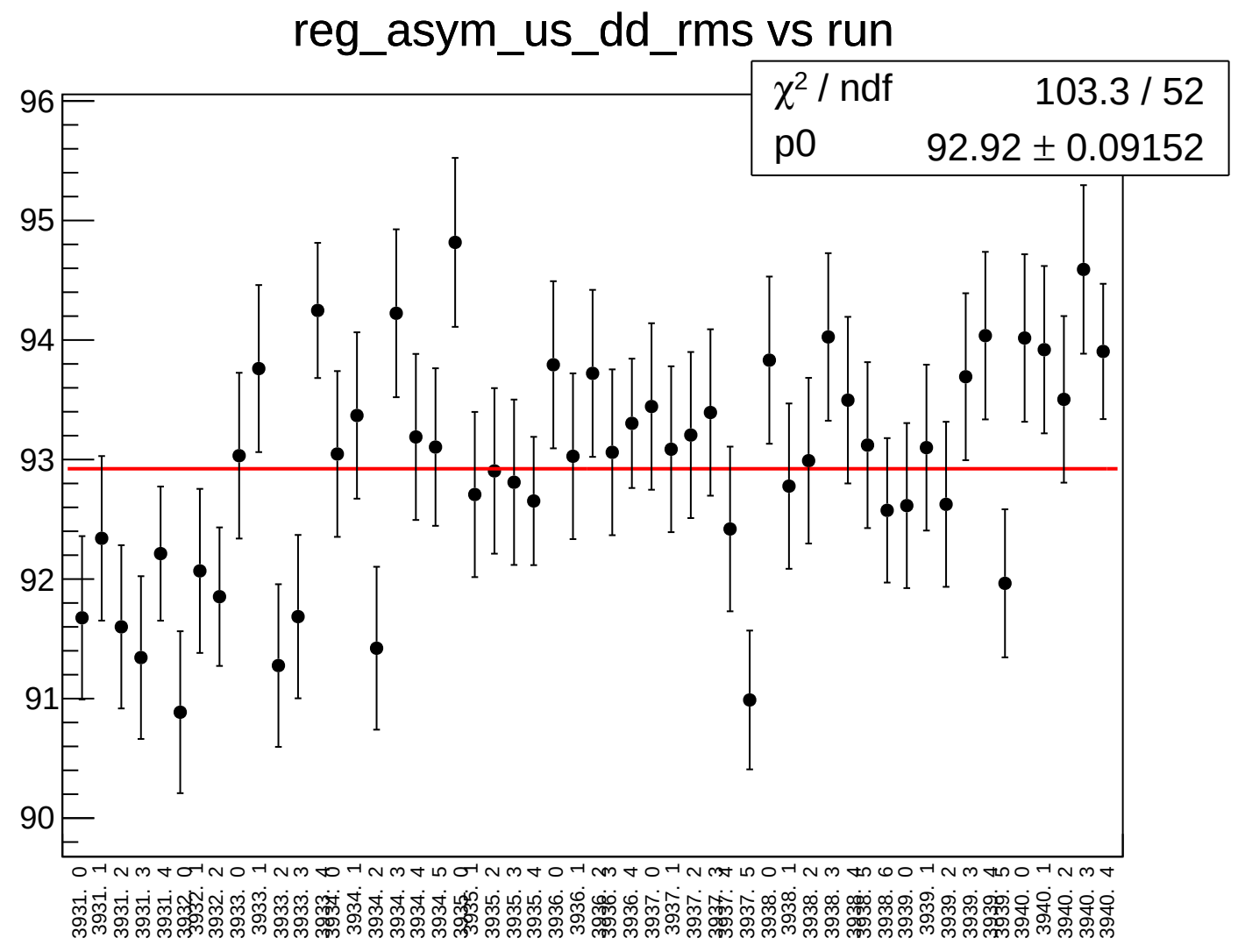

asym_us_avg_correction_rms vs run
χ² / ndf 1449 / 52
p0 273.9 ± 0.2699
320
310
300
290
280
270
260
250
240

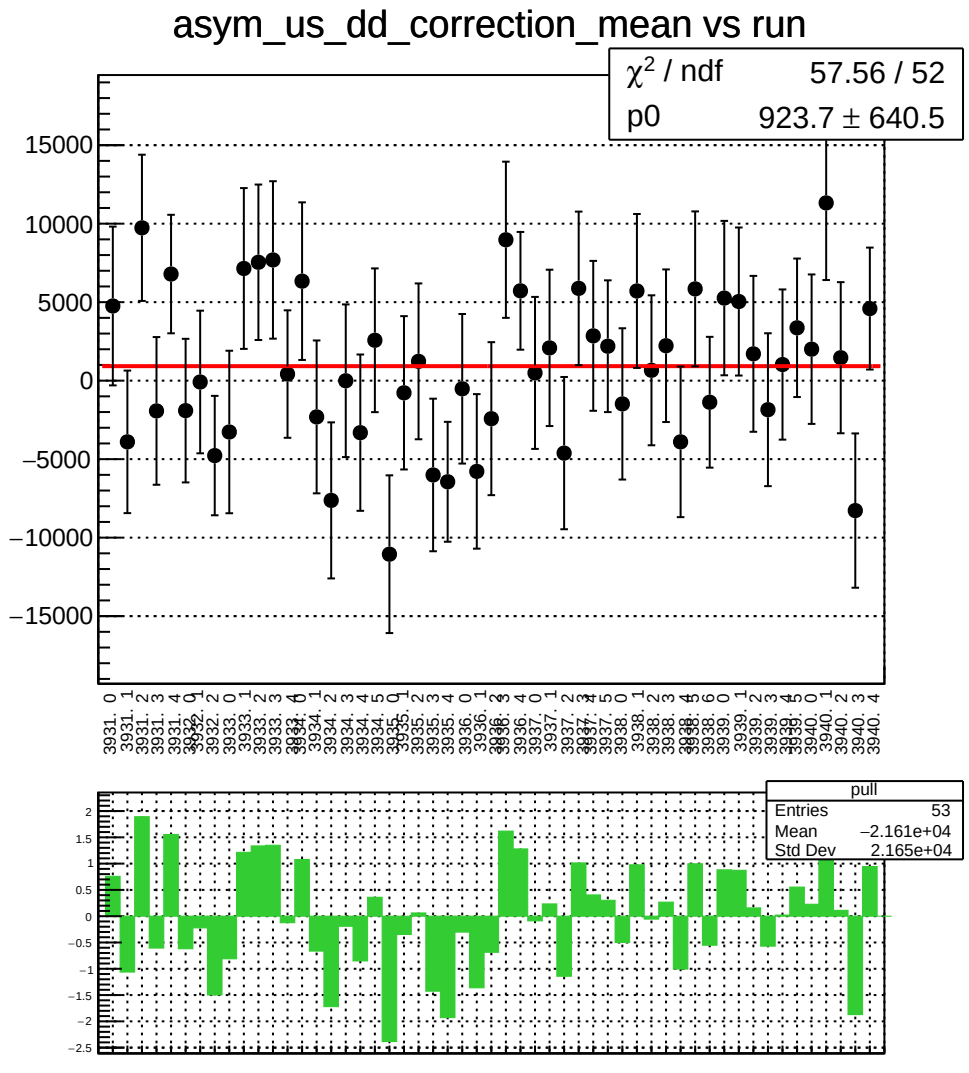

asym_us_avg_mean vs run
χ² / ndf 50.55 / 52
p0 379.6 ± 405
pull
Entries 53
Mean 61.48
Std Dev 2.42

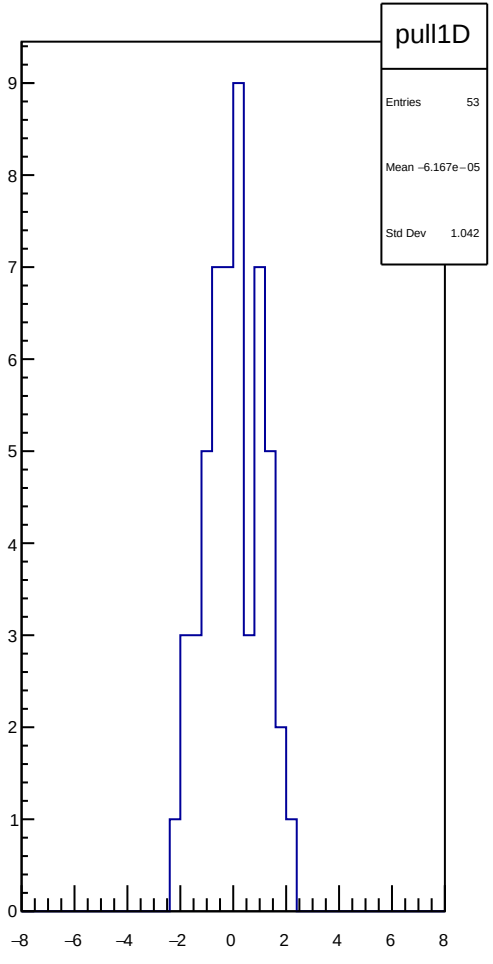

pull1D
Entries 53
Mean −0.01375
Std Dev 0.9765

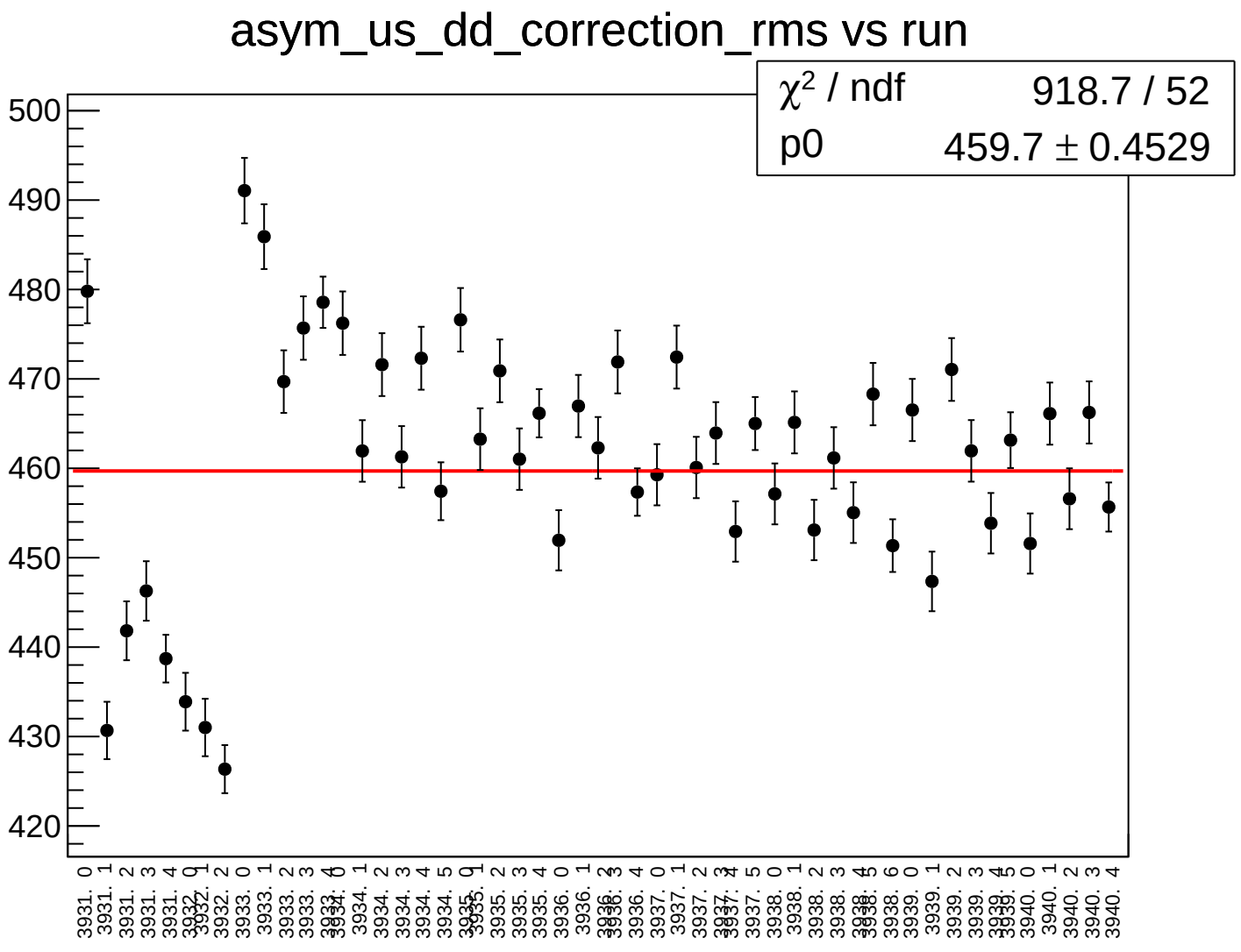

asym_us_avg_rms vs run
χ² / ndf 1200 / 52
p0 290.6 ± 0.2864
330
320
310
300
290
280
270
260
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

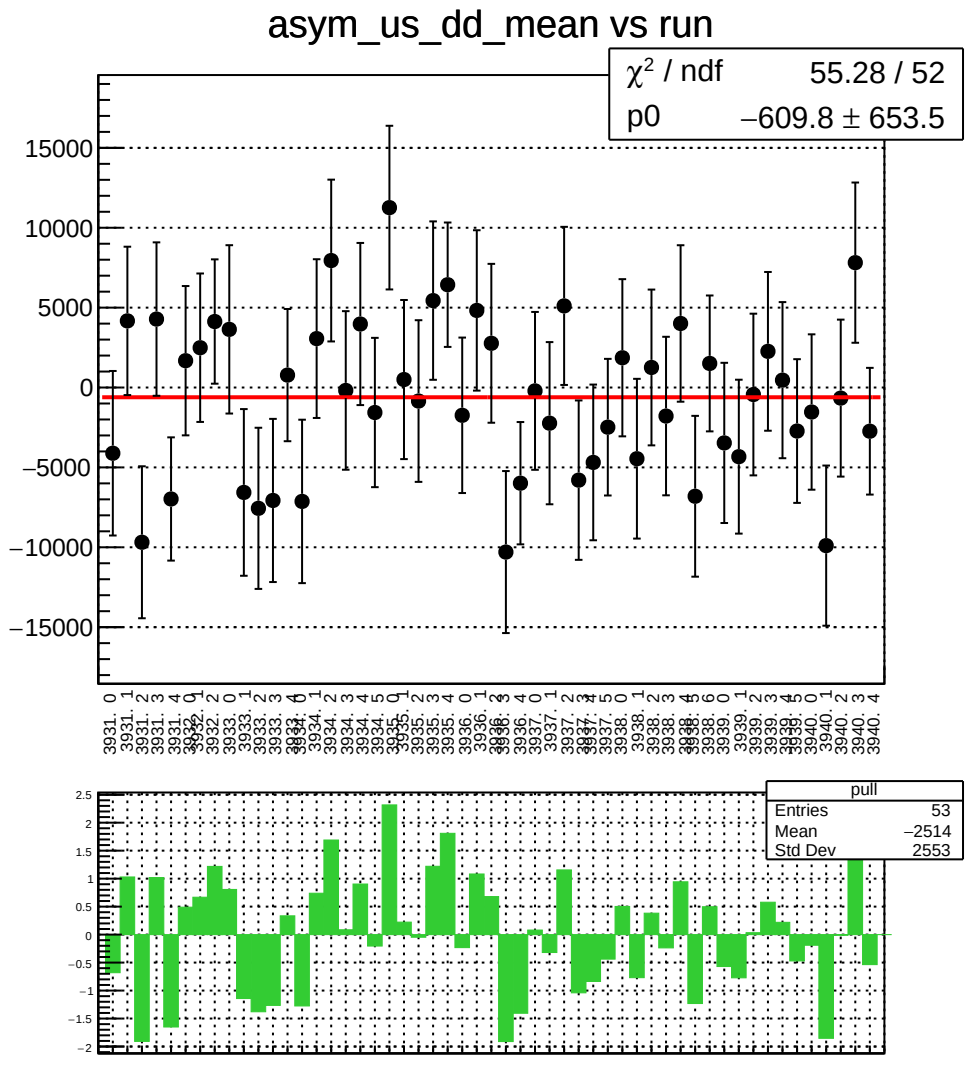

reg_asym_us_dd_mean vs run
χ² / ndf 50.44 / 52
p0 314.2 ± 129.4
pull
Entries 53
Mean 1331
Std Dev 1280
pull1D
Entries 53
Mean 0.001272
Std Dev 0.9755

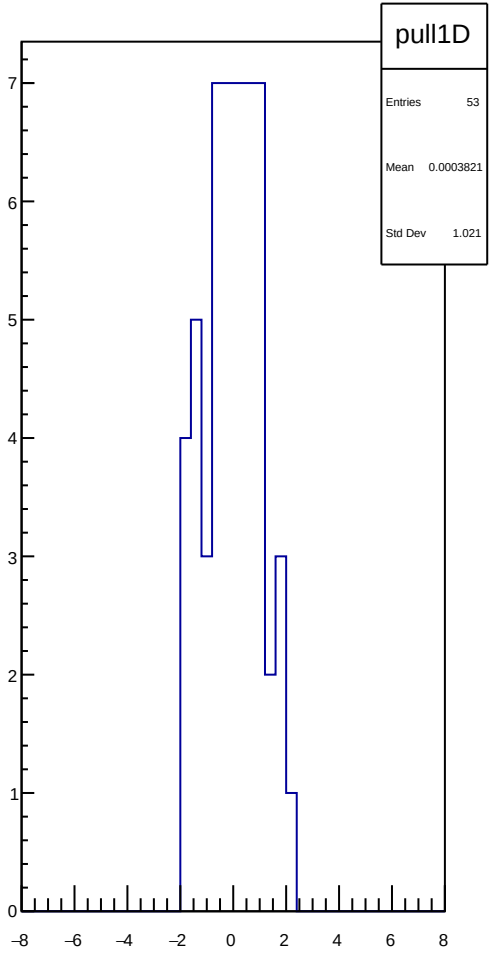

reg_asym_us_dd_rms vs run
χ² / ndf 103.3 / 52
p0 92.92 ± 0.09152
96
95
94
93
92
91
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

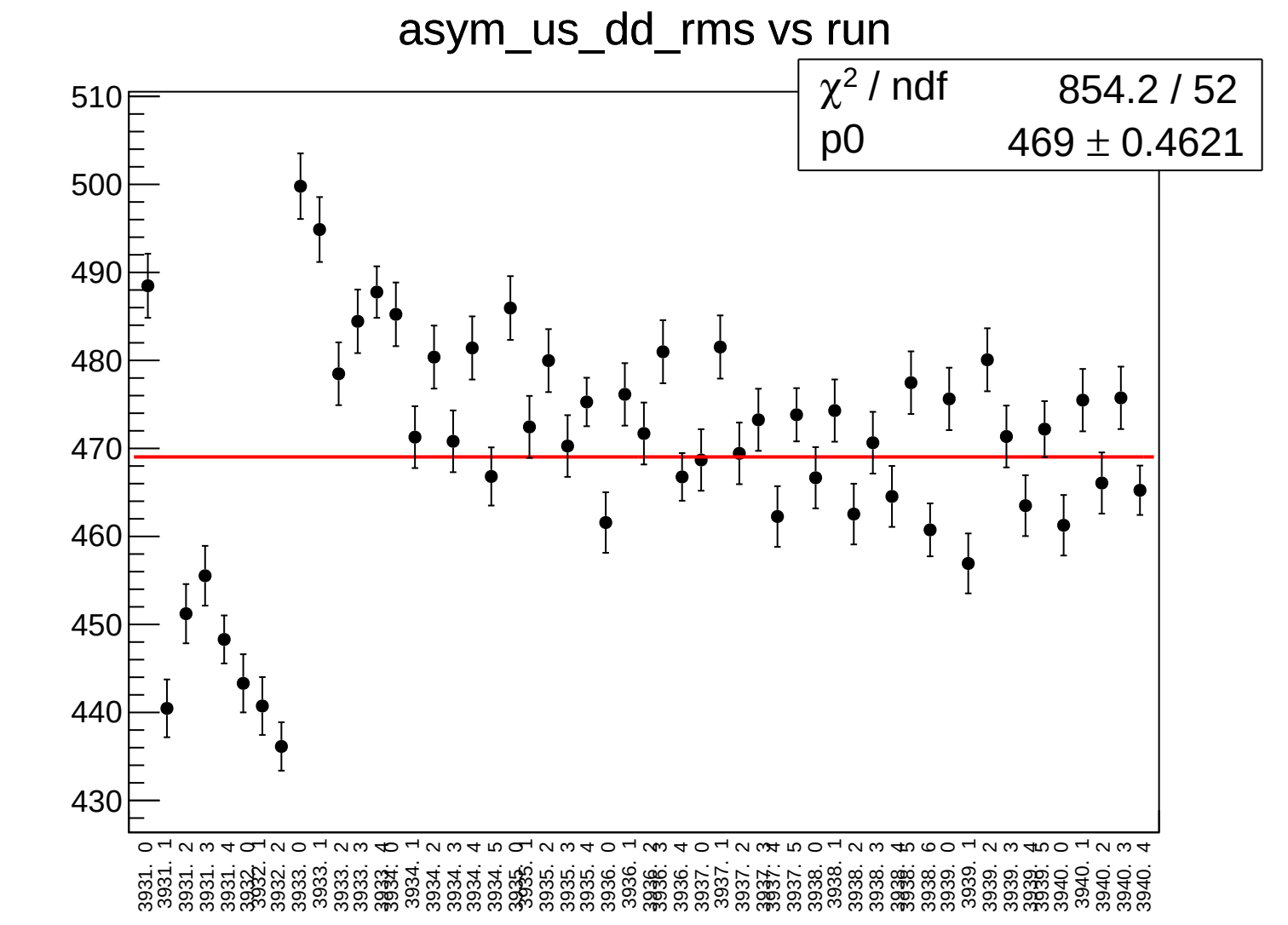

asym_us_dd_correction_mean vs run
χ² / ndf 57.56 / 52
p0 923.7 ± 640.5
pull
Entries 53
Mean −2.161e+04
Std Dev 2.165e+04

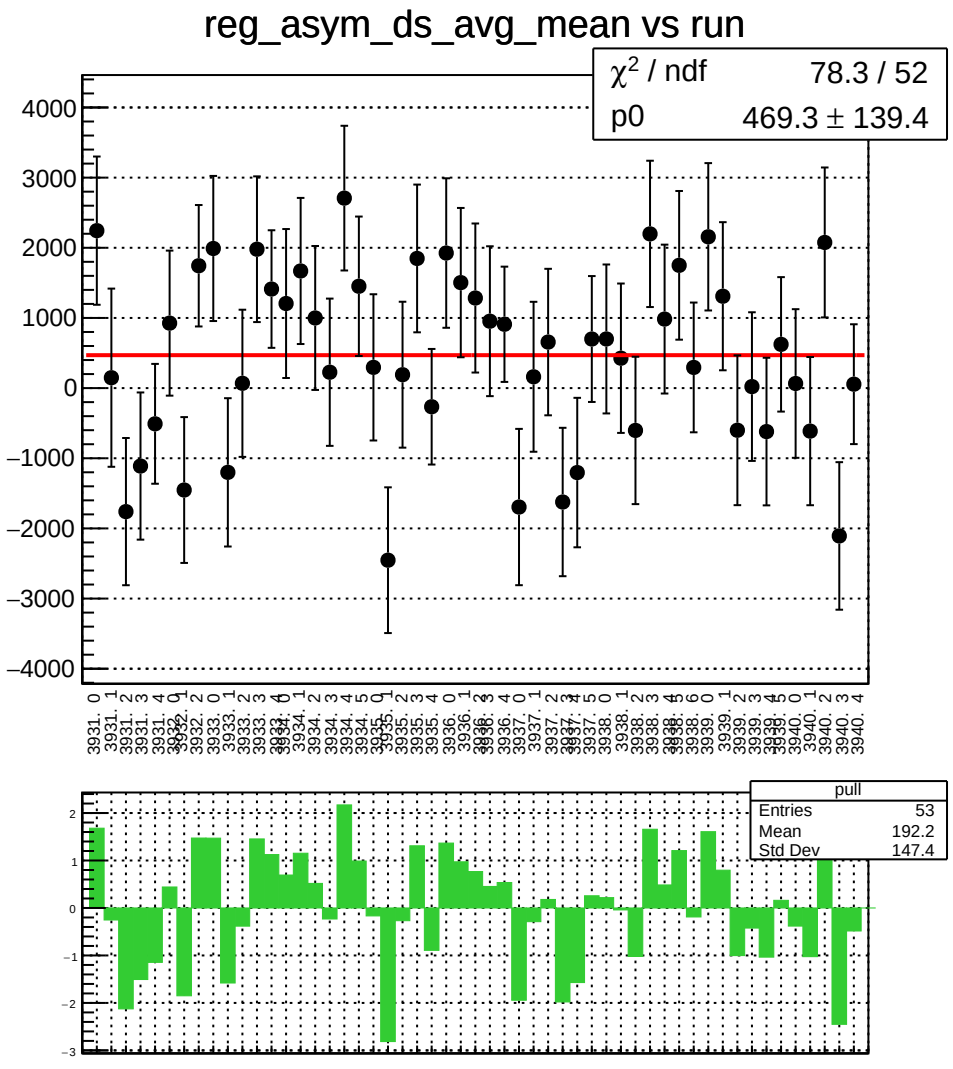

pull1D
Entries 53
Mean −6.167e−05
Std Dev 1.042

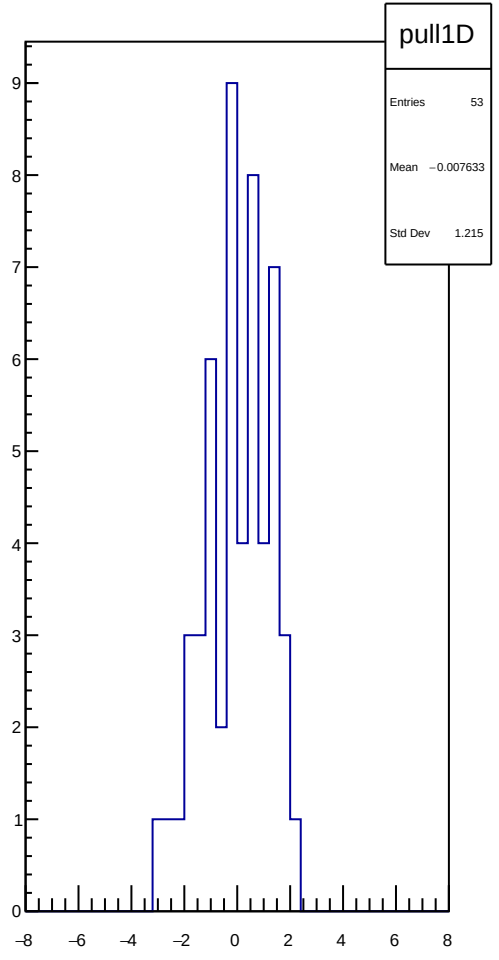

asym_us_dd_correction_rms vs run
χ² / ndf 918.7 / 52
p0 459.7 ± 0.4529
500
490
480
470
460
450
440
430
420
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

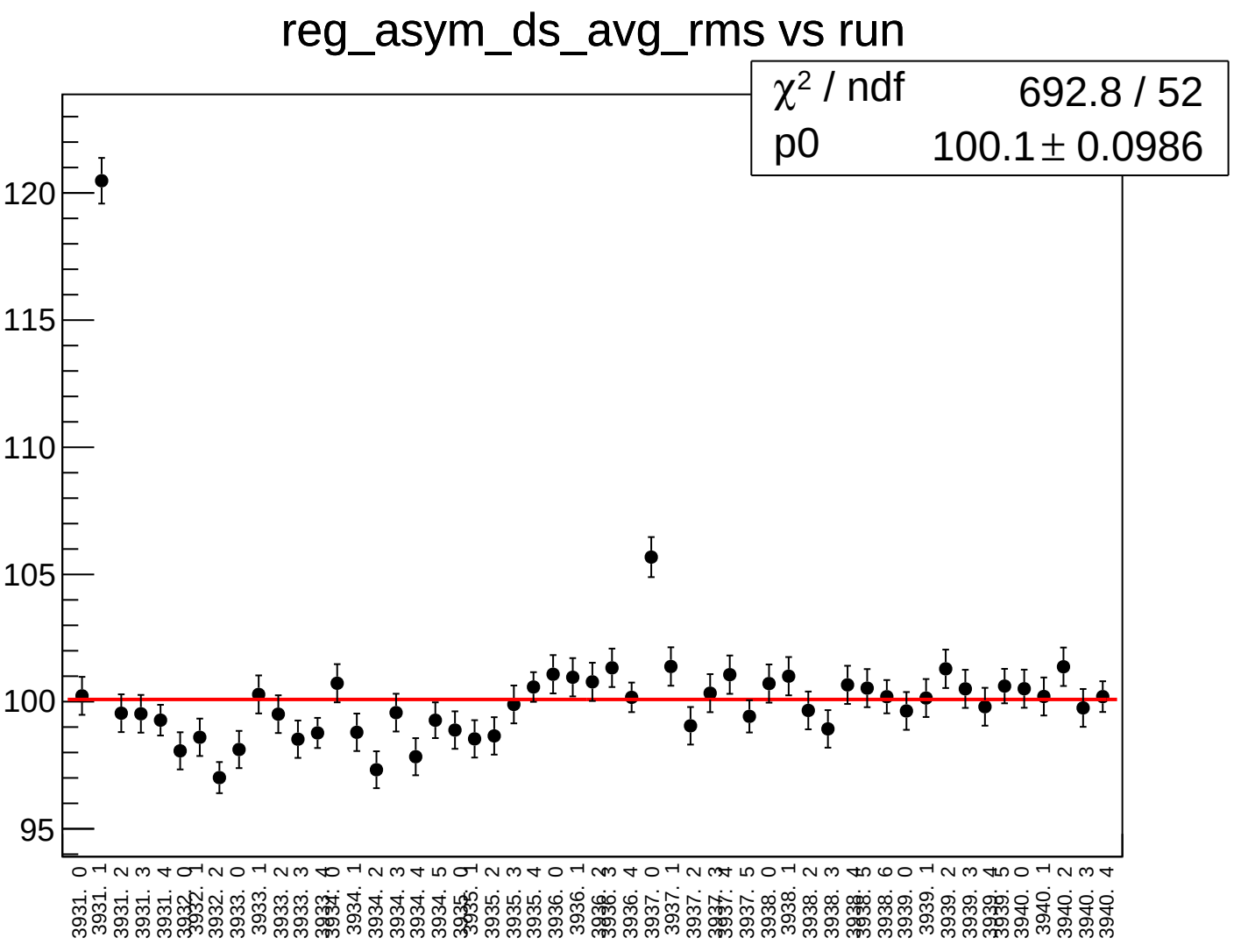

asym_us_dd_mean vs run
χ² / ndf 55.28 / 52
p0 −609.8 ± 653.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −2514
Std Dev 2553
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

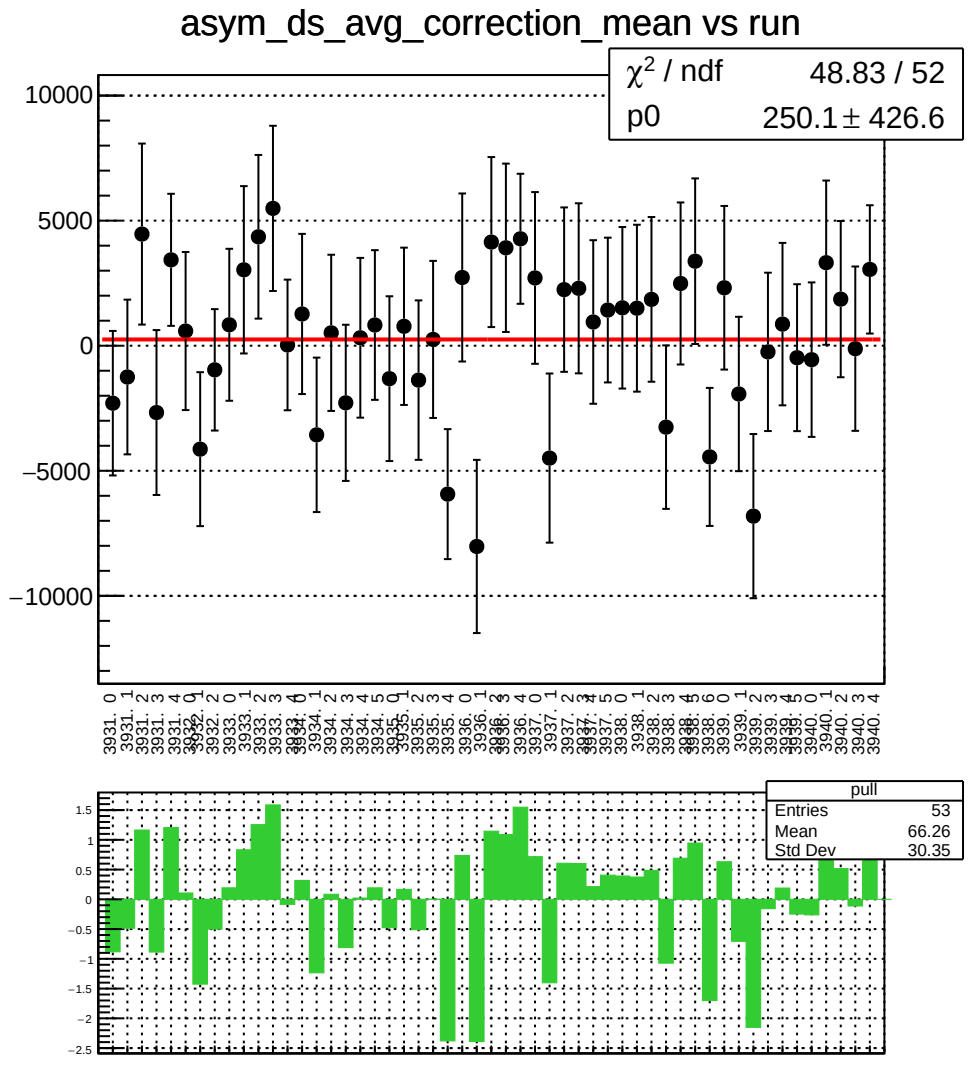

pull1D
Entries 53
Mean 0.0003821
Std Dev 1.021
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

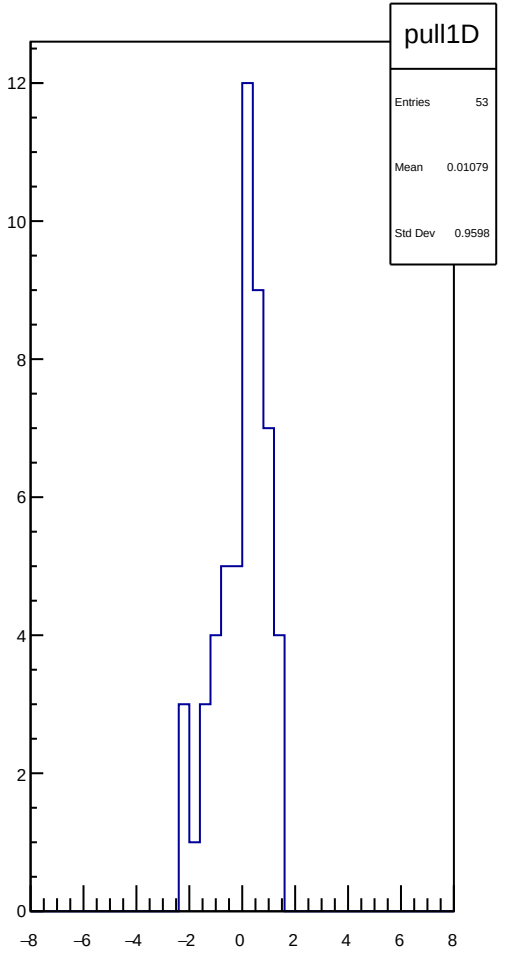

asym_us_dd_rms vs run
χ^2 / ndf 854.2 / 52
p0 469 ± 0.4621
510
500
490
480
470
460
450
440
430
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

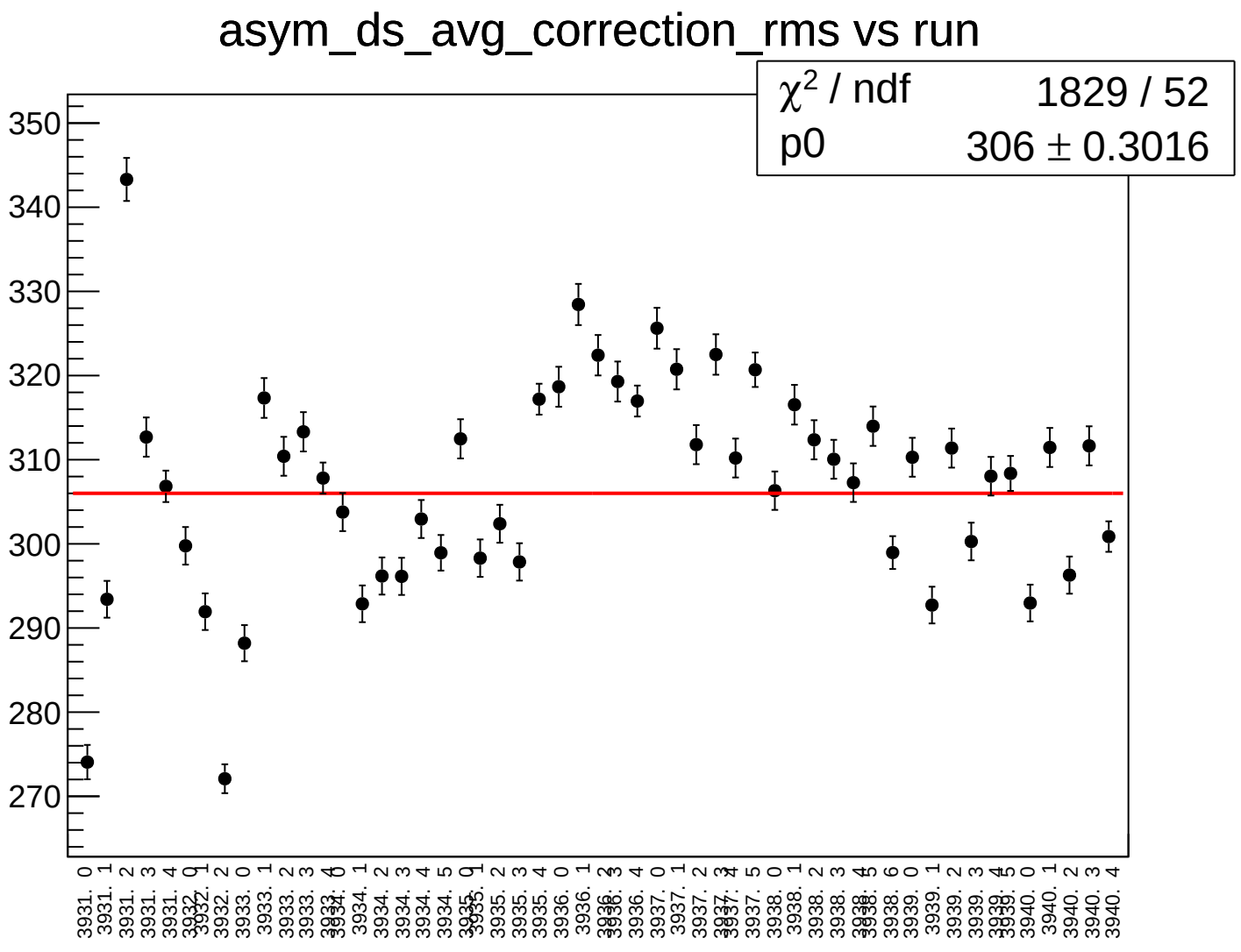

reg_asym_ds_avg_mean vs run
χ² / ndf 78.3 / 52
p0 469.3 ± 139.4
pull
Entries 53
Mean 192.2
Std Dev 147.4

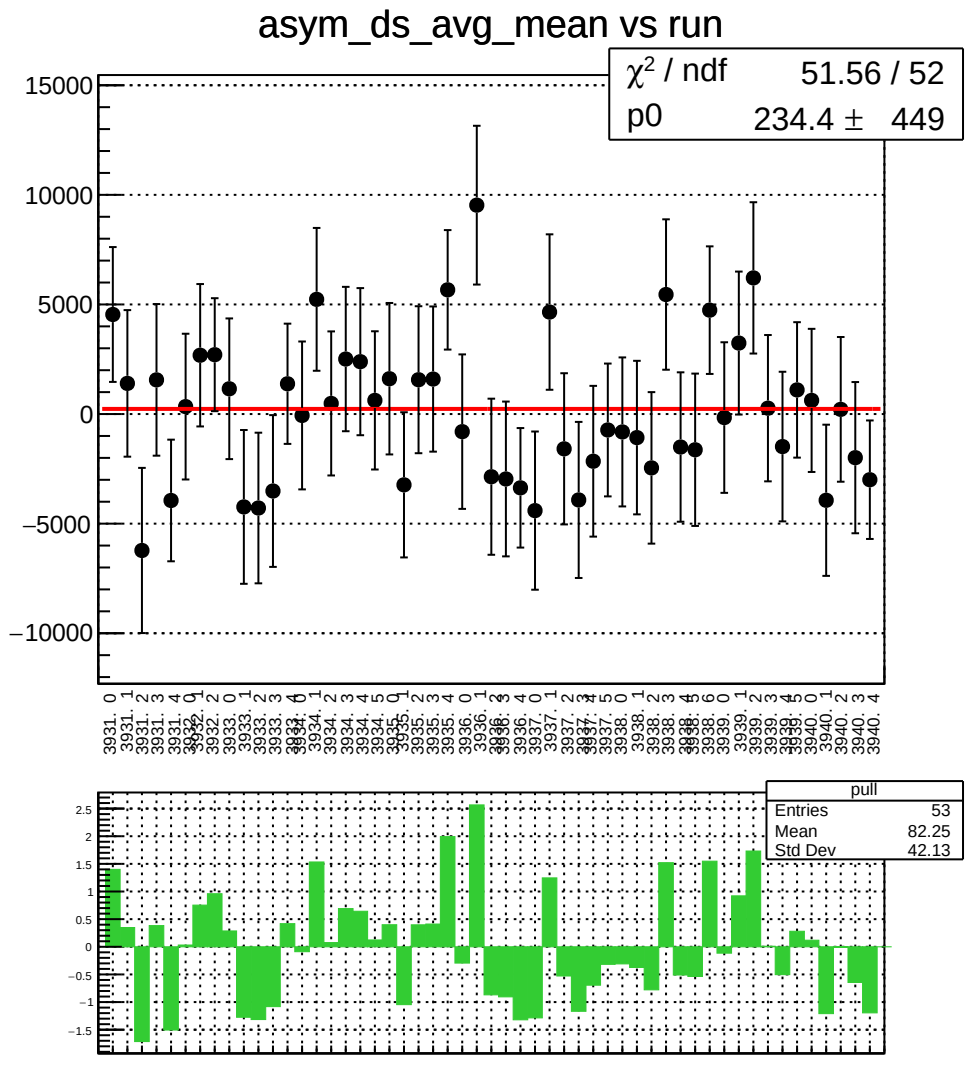

pull1D
Entries 53
Mean −0.007633
Std Dev 1.215

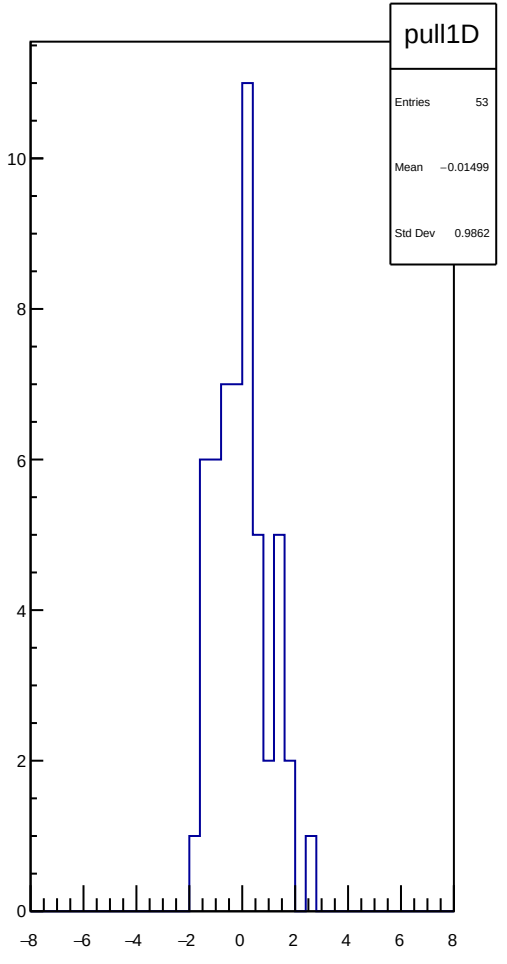

reg_asym_ds_avg_rms vs run
χ² / ndf 692.8 / 52
p0 100.1 ± 0.0986
120
115
110
105
100
95
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

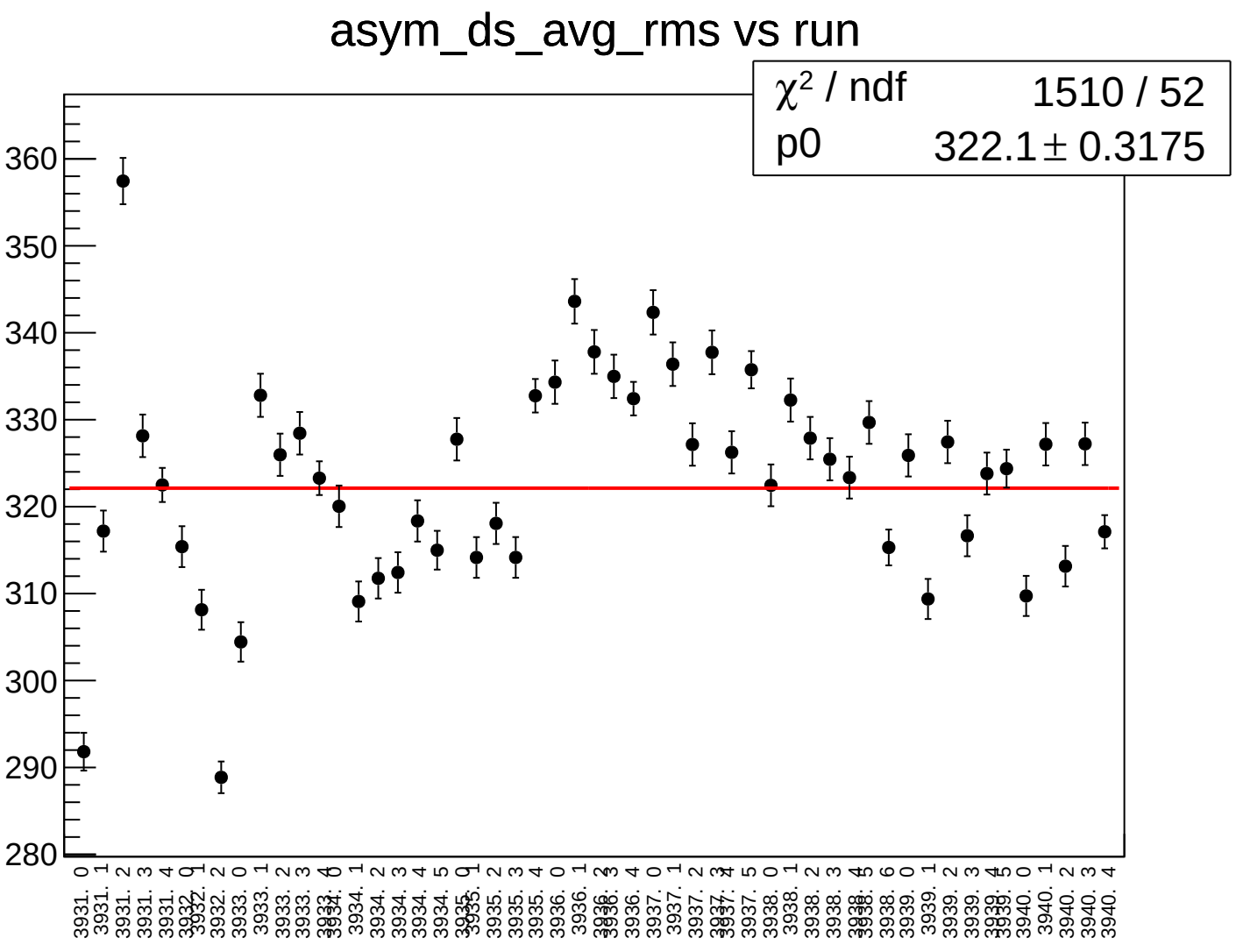

asym_ds_avg_correction_mean vs run
χ² / ndf 48.83 / 52
p0 250.1 ± 426.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 66.26
Std Dev 30.35
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean 0.01079
Std Dev 0.9598
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_avg_correction_rms vs run
χ² / ndf 1829 / 52
p0 306 ± 0.3016
350
340
330
320
310
300
290
280
270
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_ds_avg_mean vs run
χ² / ndf 51.56 / 52
p0 234.4 ± 449
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 82.25
Std Dev 42.13
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean −0.01499
Std Dev 0.9862
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_avg_rms vs run
χ² / ndf 1510 / 52
p0 322.1 ± 0.3175
360
350
340
330
320
310
300
290
280
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
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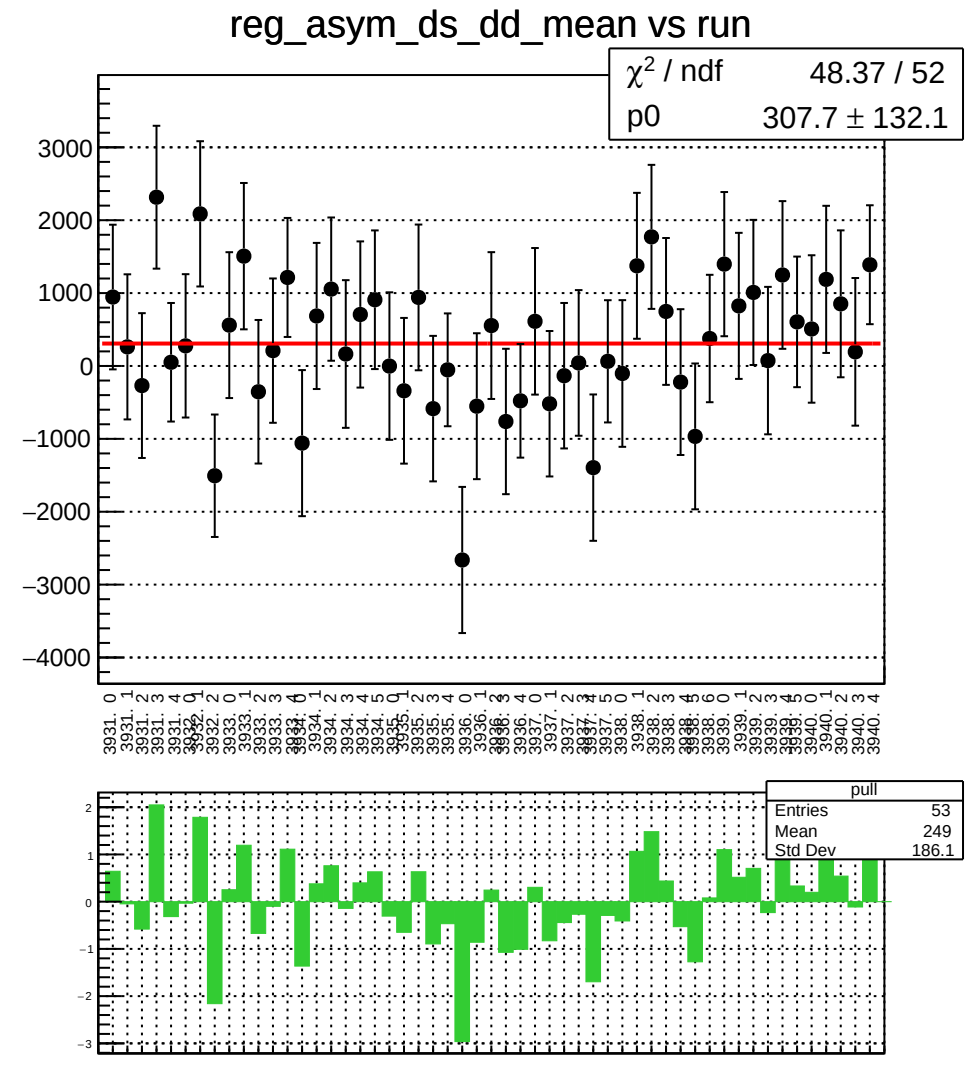
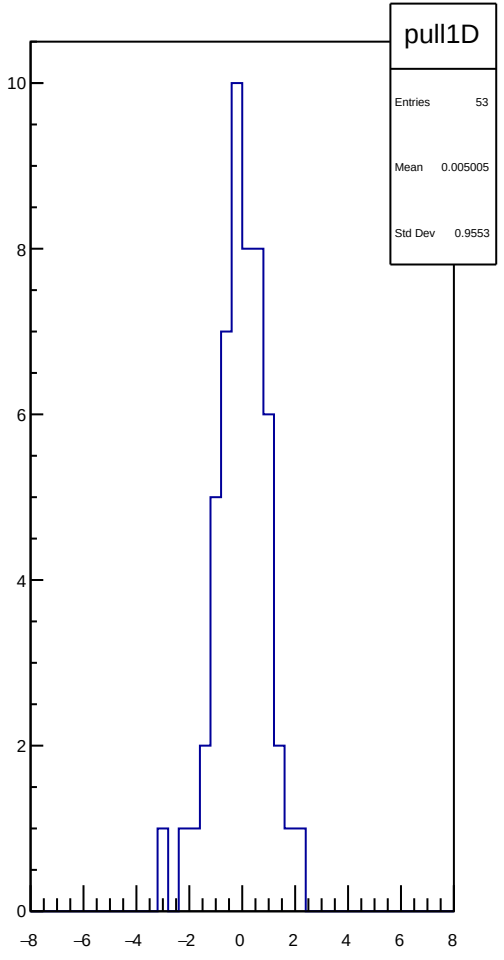
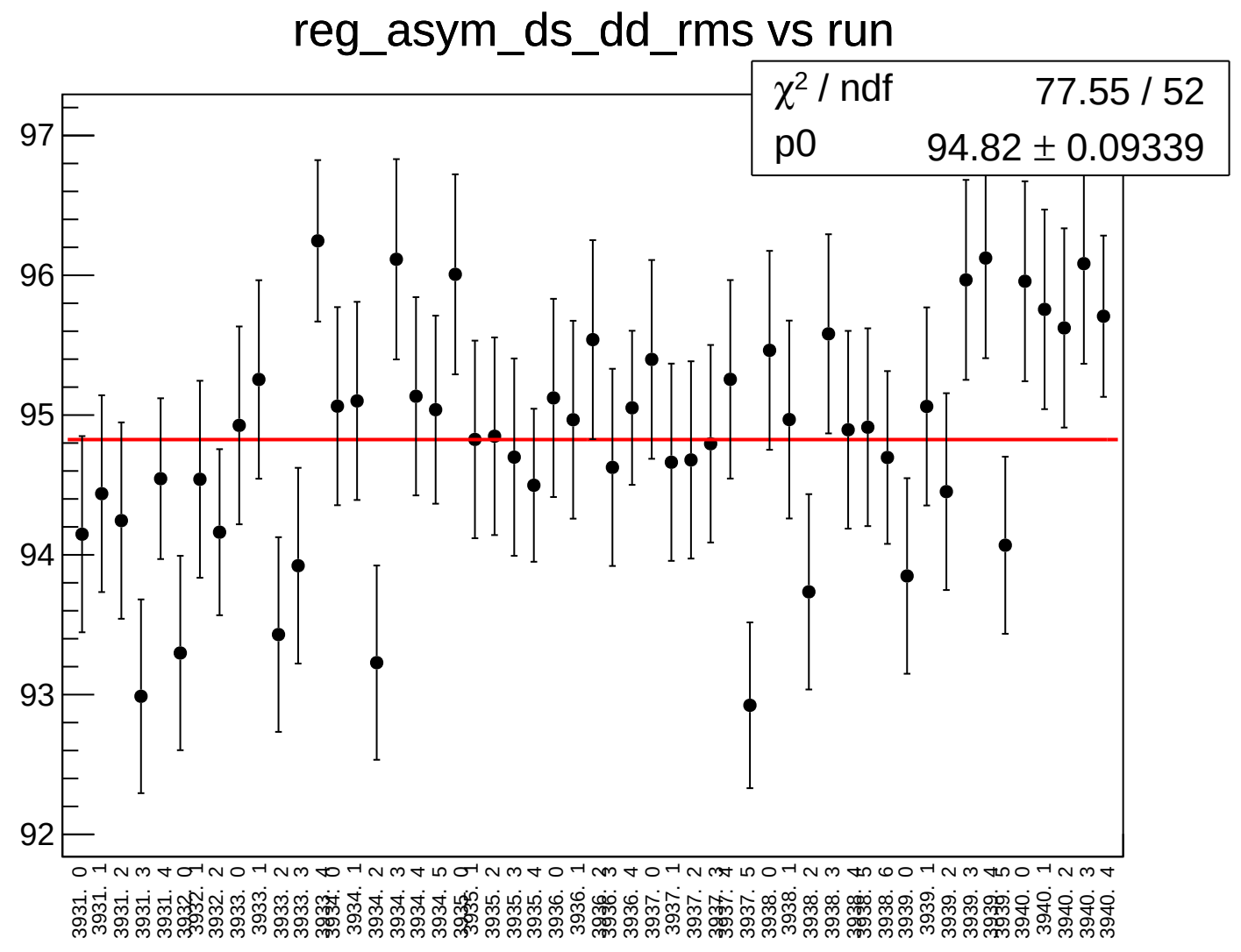
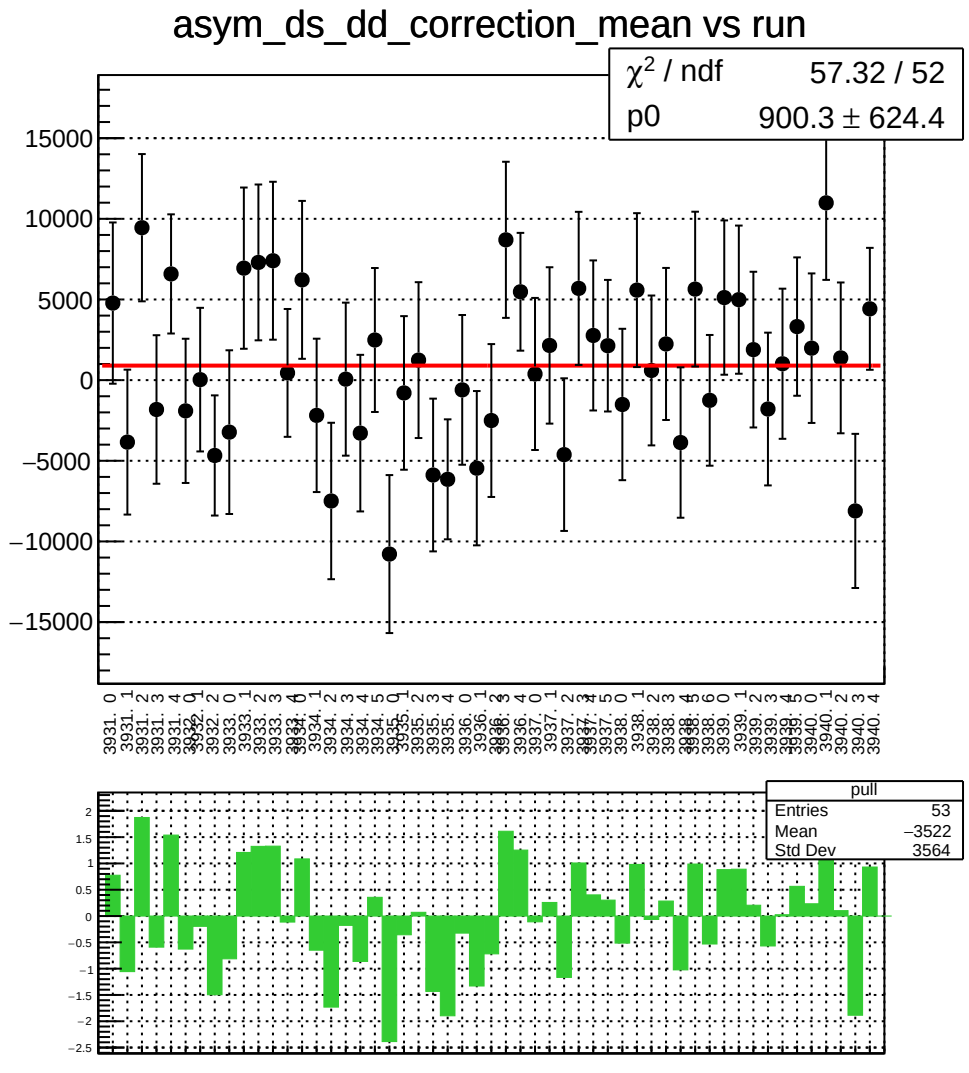
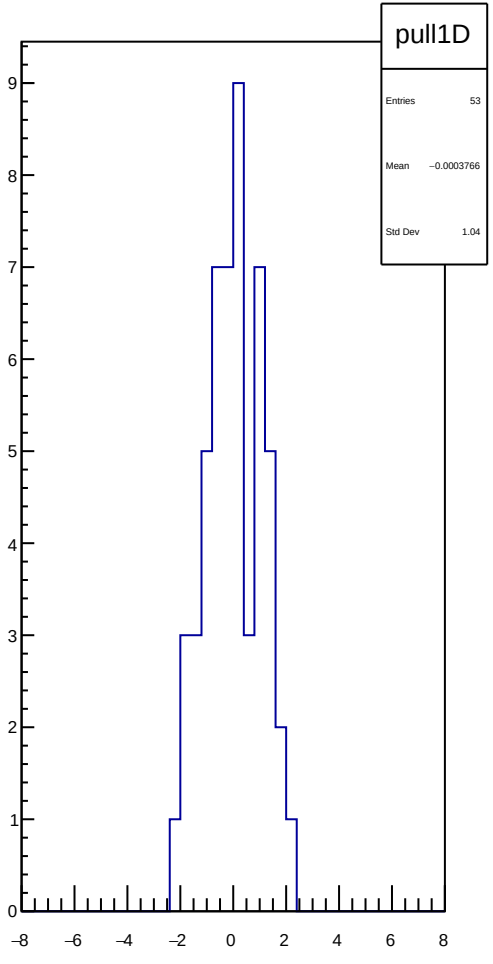
3940. 1
3940. 2
3940. 3
3940. 4

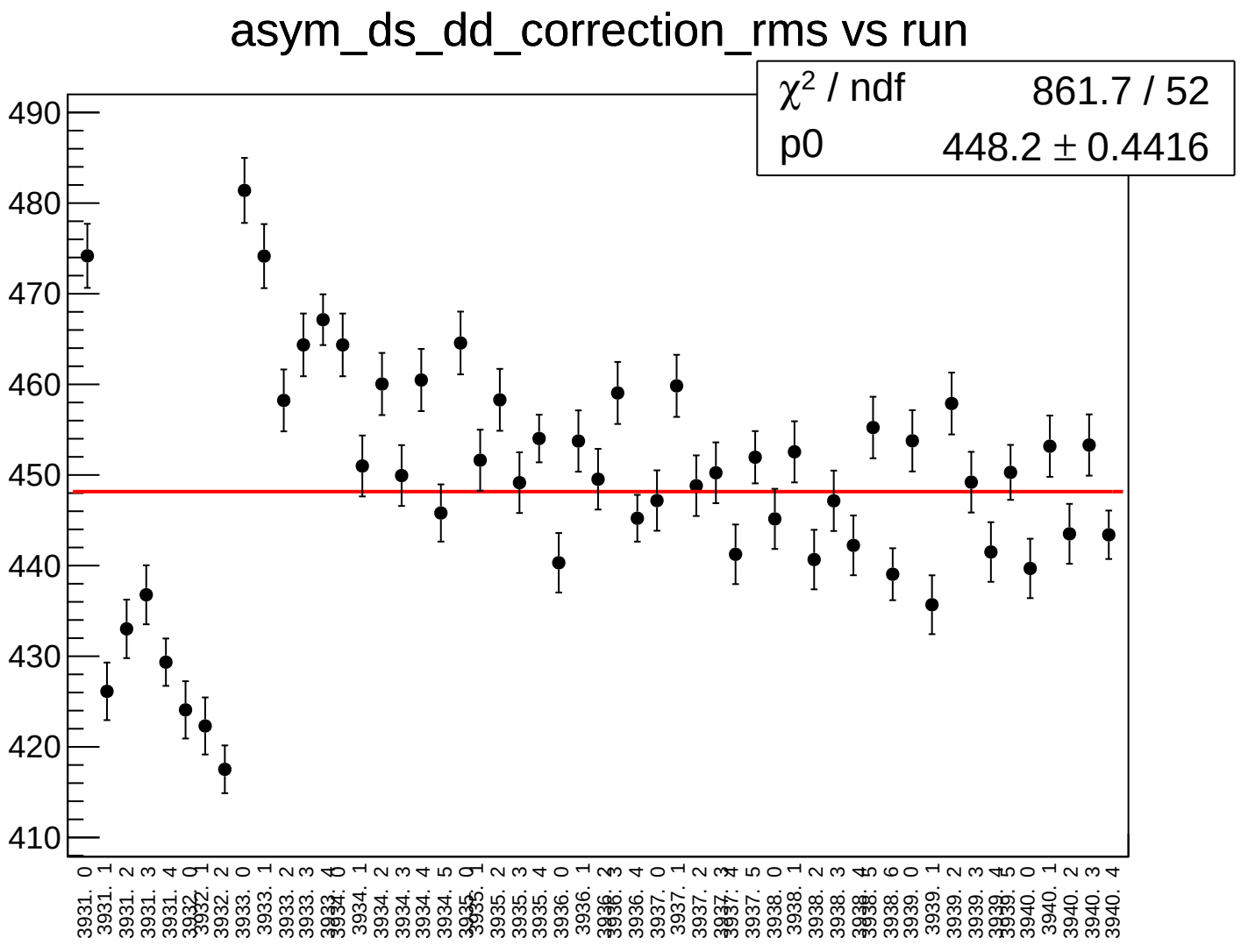

reg_asym_ds_dd_mean vs run
χ² / ndf 48.37 / 52
p0 307.7 ± 132.1
pull
Entries 53
Mean 249
Std Dev 186.1

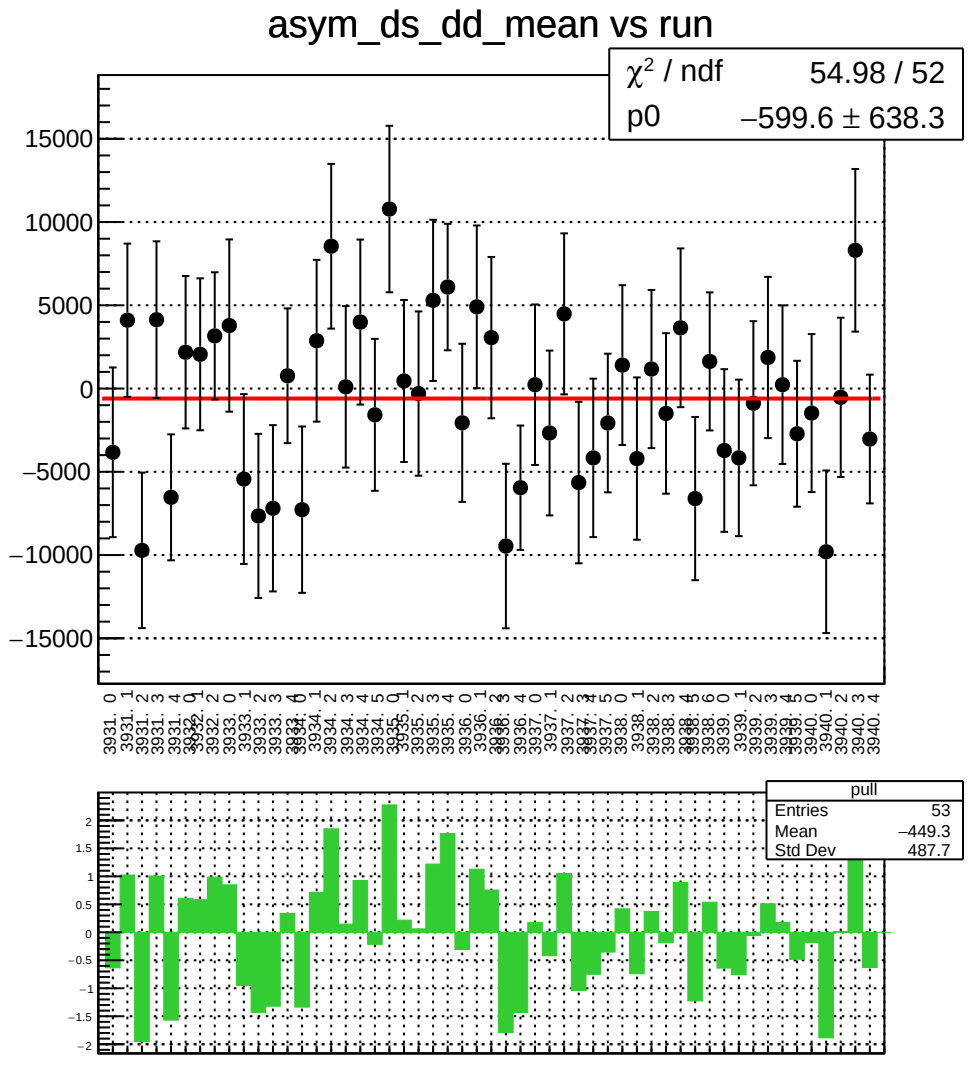

pull1D
Entries 53
Mean 0.005005
Std Dev 0.9553

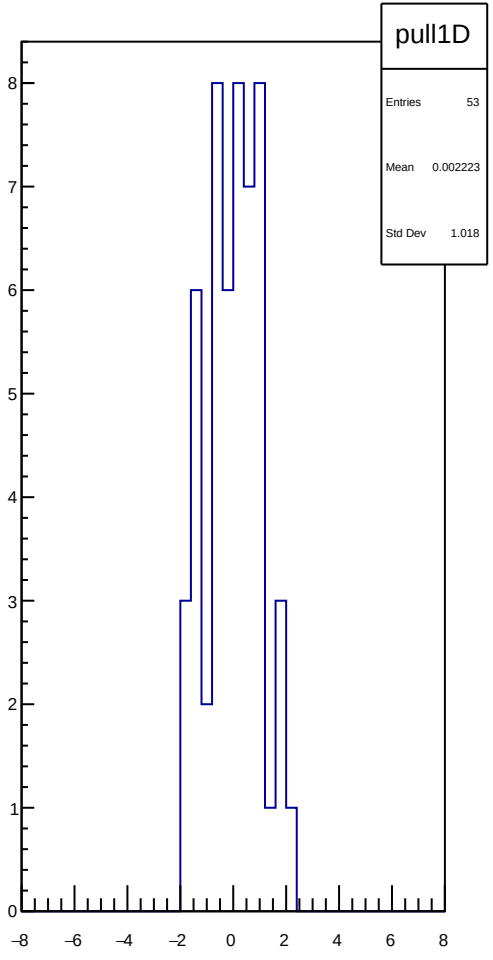

reg_asym_ds_dd_rms vs run
χ² / ndf 77.55 / 52
p0 94.82 ± 0.09339
97
96
95
94
93
92
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

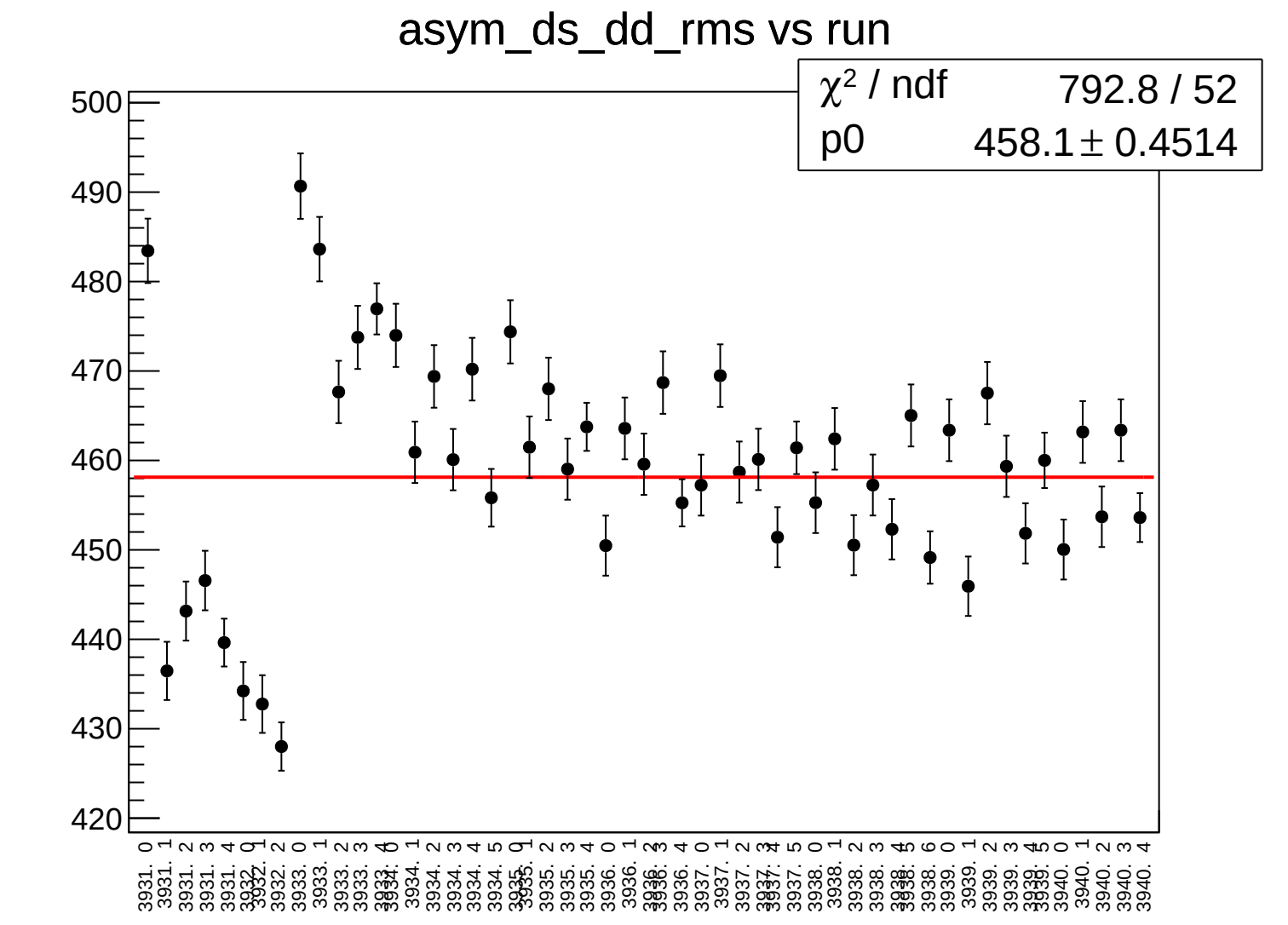

asym_ds_dd_correction_mean vs run
χ² / ndf 57.32 / 52
p0 900.3 ± 624.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −3522
Std Dev 3564
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

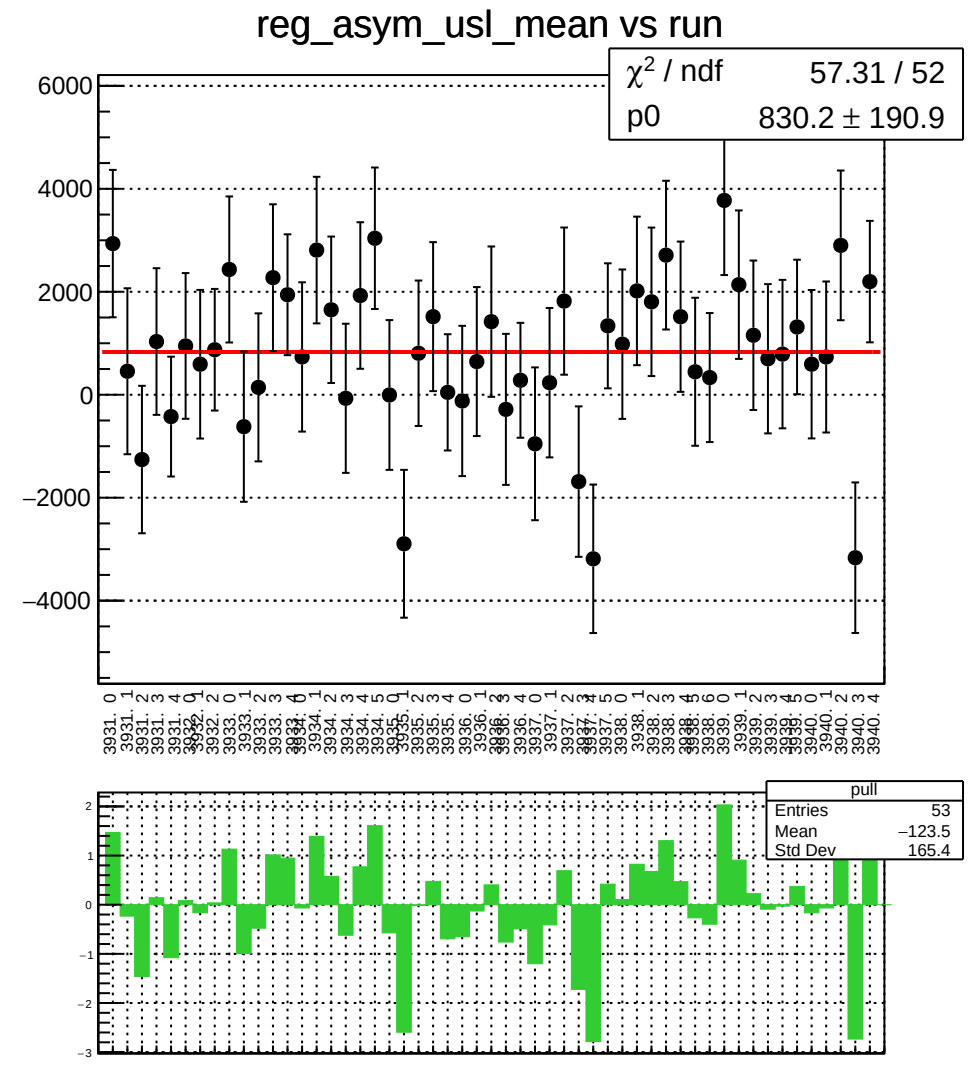

pull1D
Entries 53
Mean −0.0003766
Std Dev 1.04
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

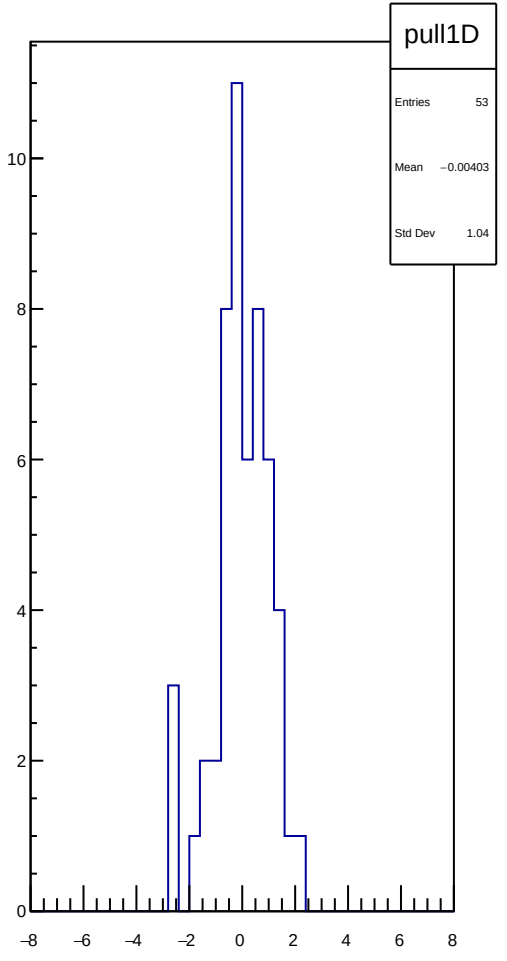

asym_ds_dd_correction_rms vs run
χ² / ndf 861.7 / 52
p0 448.2 ± 0.4416
490
480
470
460
450
440
430
420
410
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

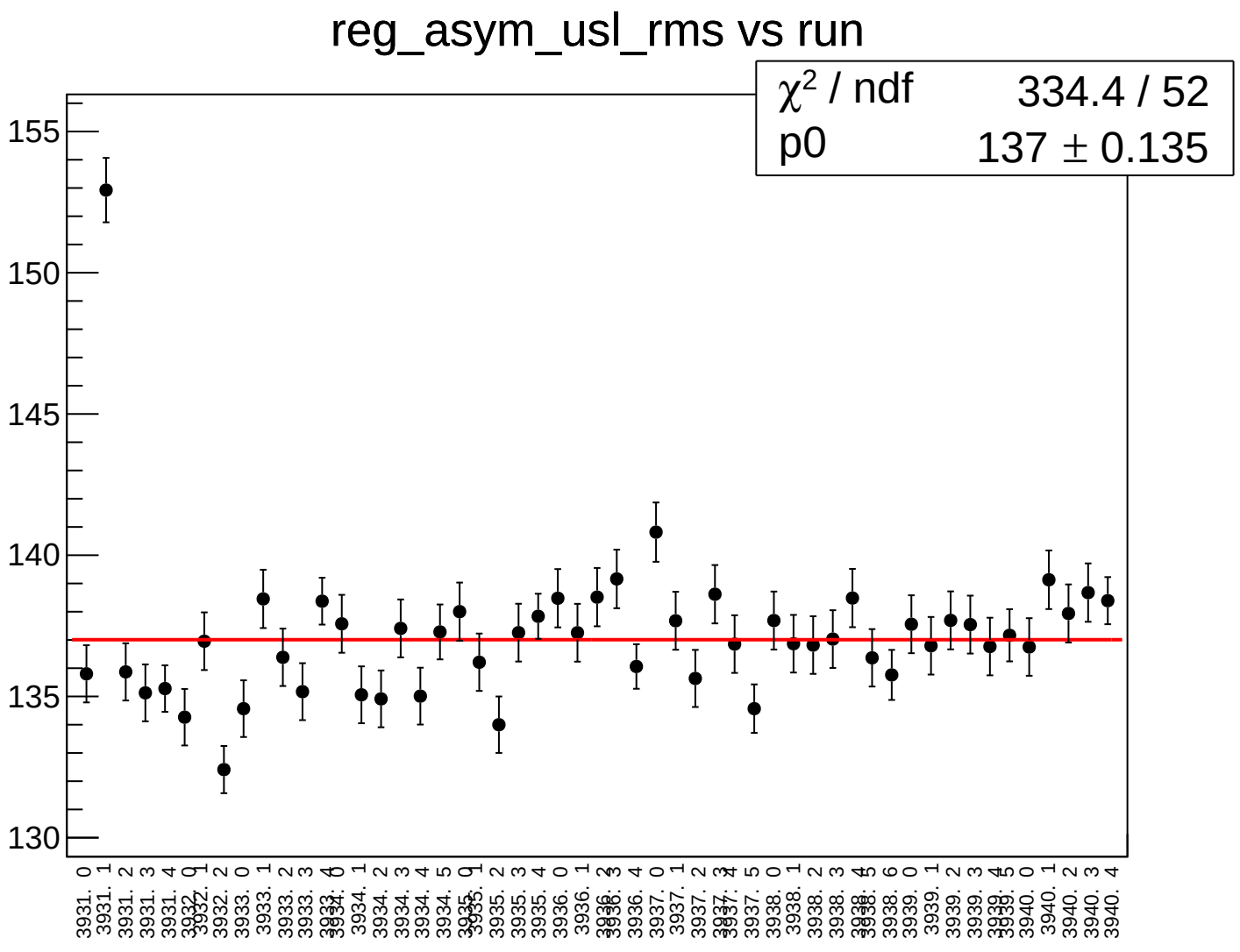

asym_ds_dd_mean vs run
χ² / ndf 54.98 / 52
p0 −599.6 ± 638.3
pull
Entries 53
Mean −449.3
Std Dev 487.7

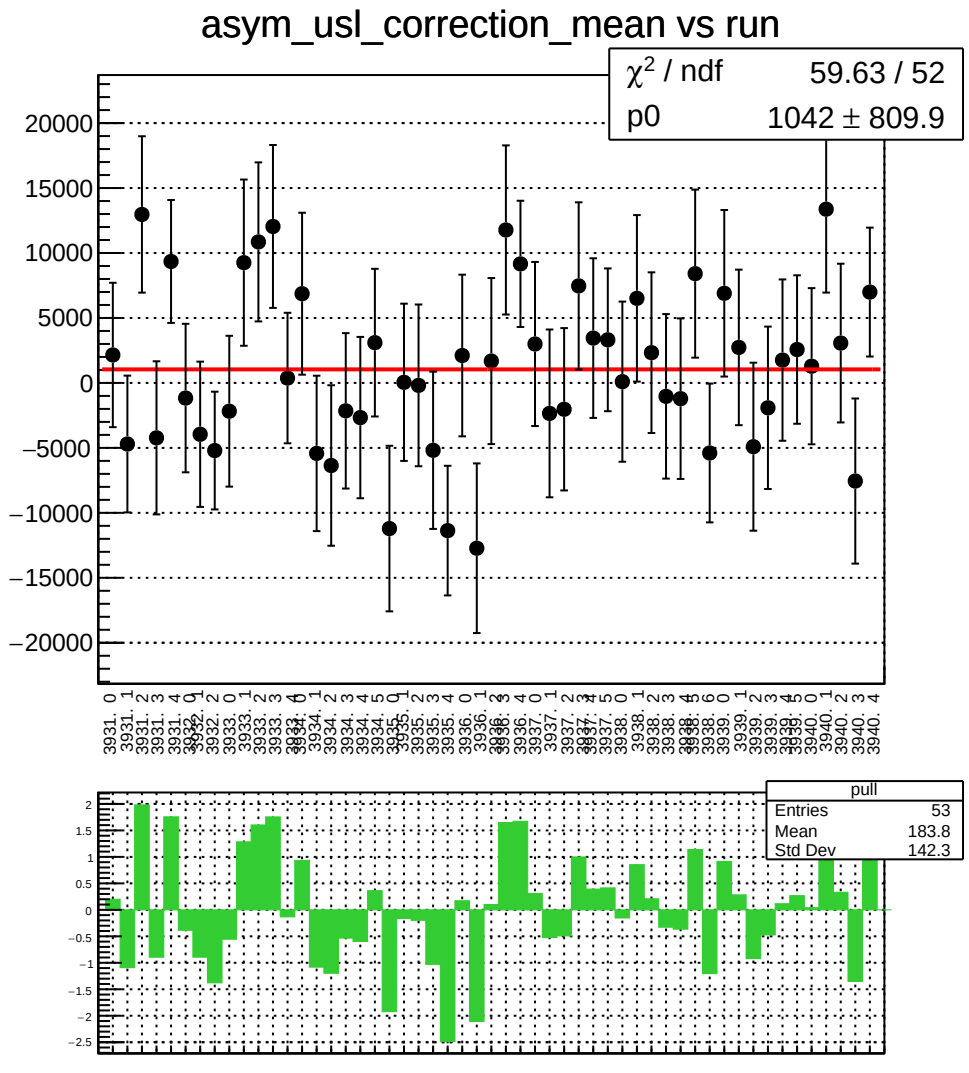

pull1D
Entries 53
Mean 0.002223
Std Dev 1.018

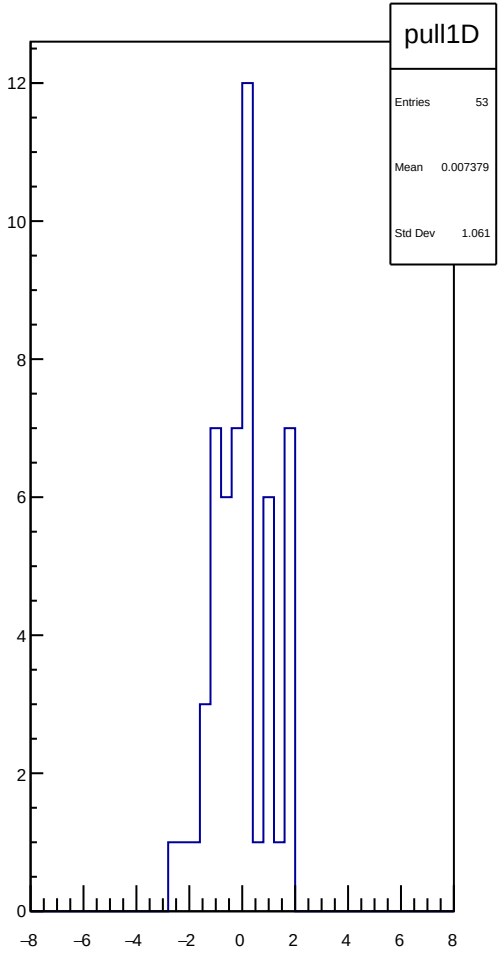

asym_ds_dd_rms vs run
χ² / ndf 792.8 / 52
p0 458.1 ± 0.4514
500
490
480
470
460
450
440
430
420
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

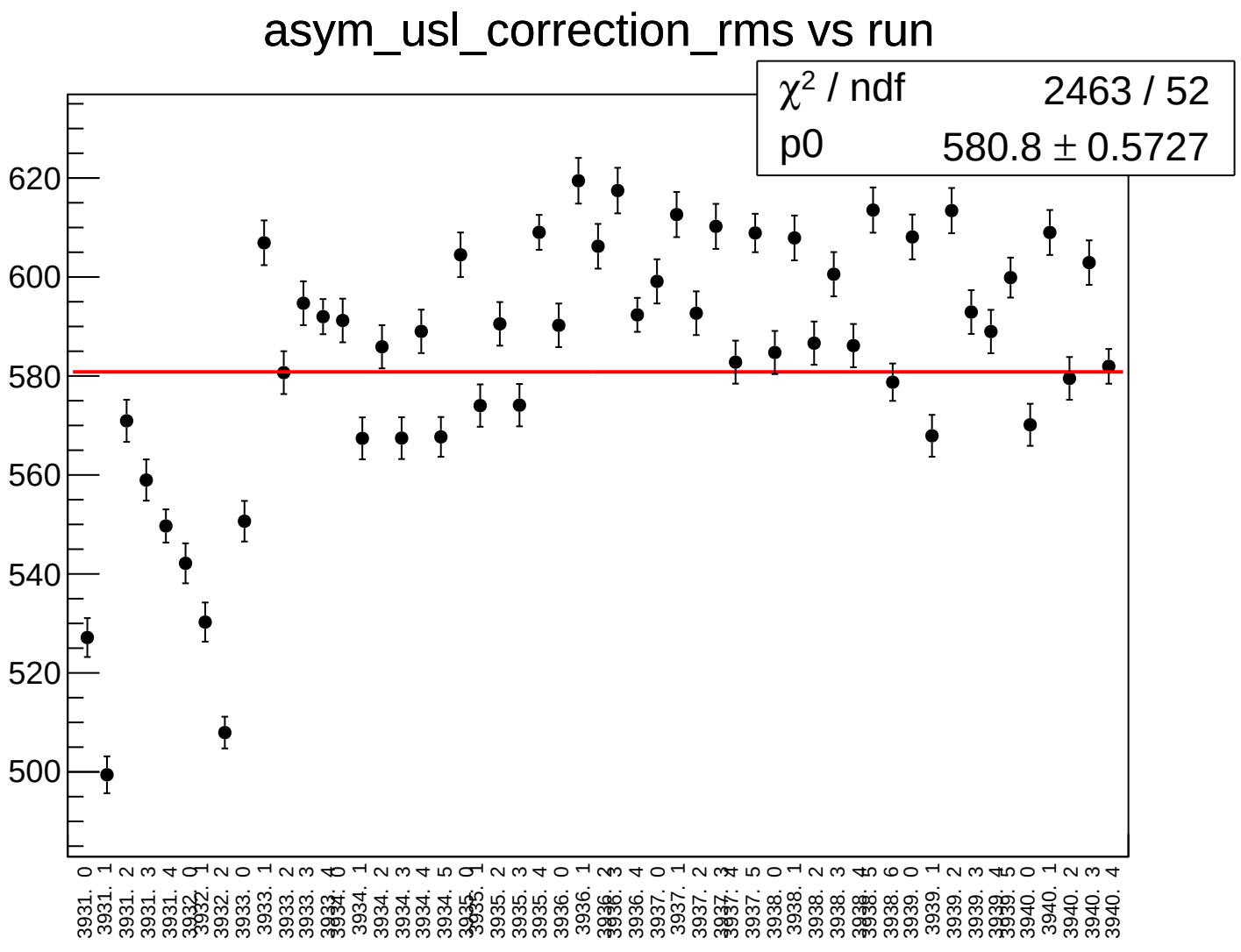

reg_asym_usl_mean vs run
χ² / ndf 57.31 / 52
p0 830.2 ± 190.9
6000
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −123.5
Std Dev 165.4
2
1
0
−1
−2
−3

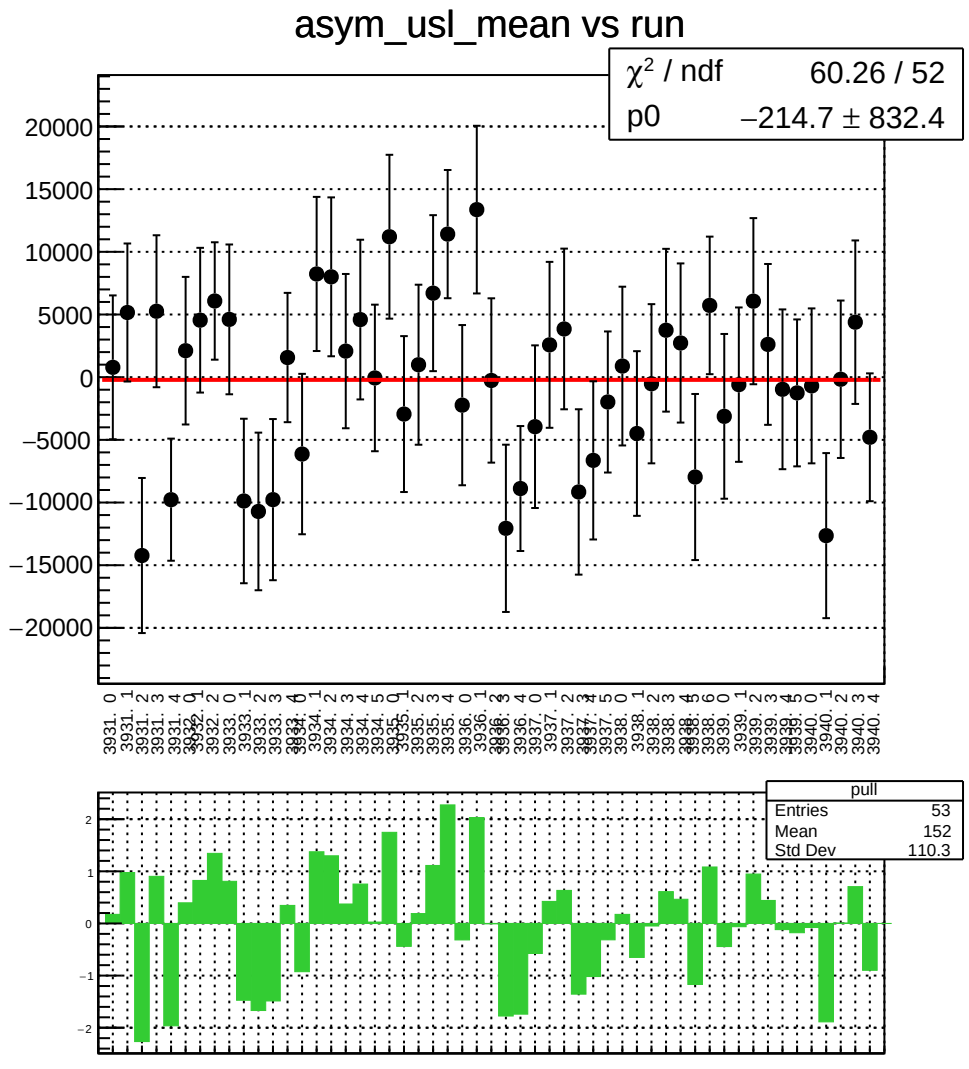

pull1D
Entries 53
Mean −0.00403
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

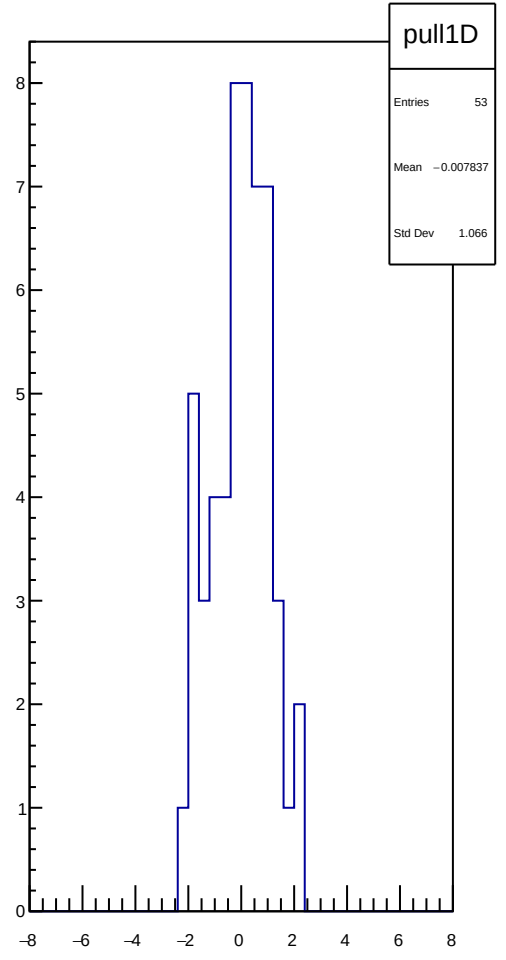

reg_asym_usl_rms vs run
χ² / ndf 334.4 / 52
p0 137 ± 0.135
155
150
145
140
135
130
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

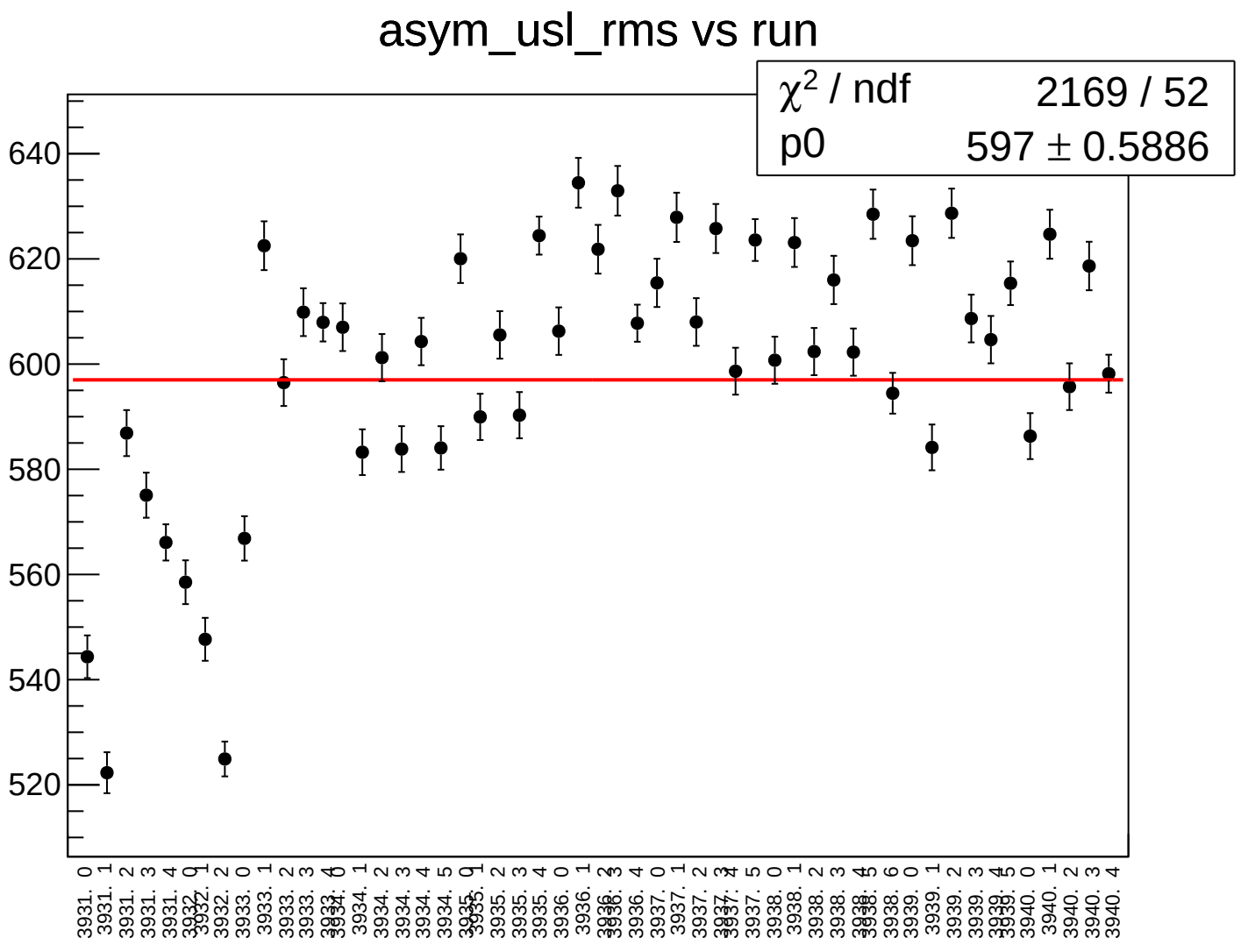

asym_usl_correction_mean vs run
χ² / ndf 59.63 / 52
p0 1042 ± 809.9
pull
Entries 53
Mean 183.8
Std Dev 142.3

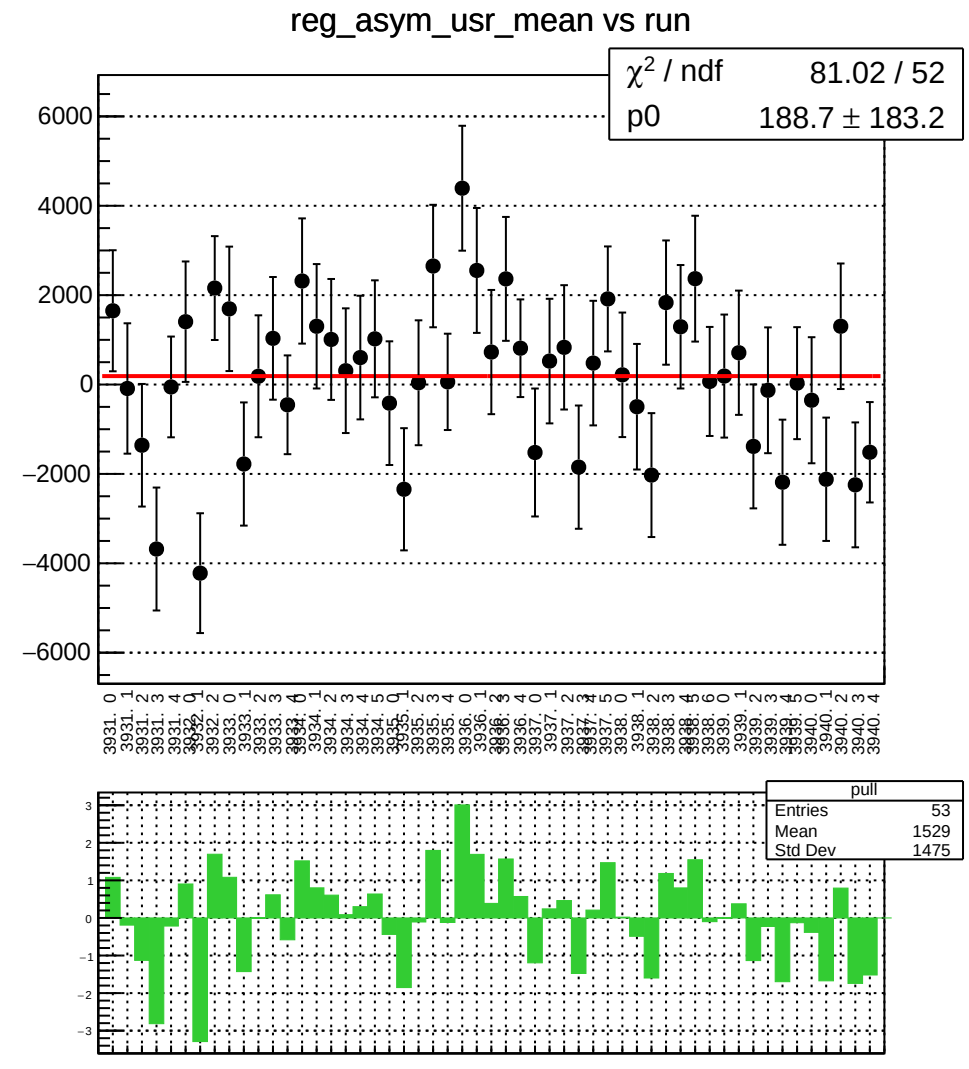

pull1D
Entries 53
Mean 0.007379
Std Dev 1.061

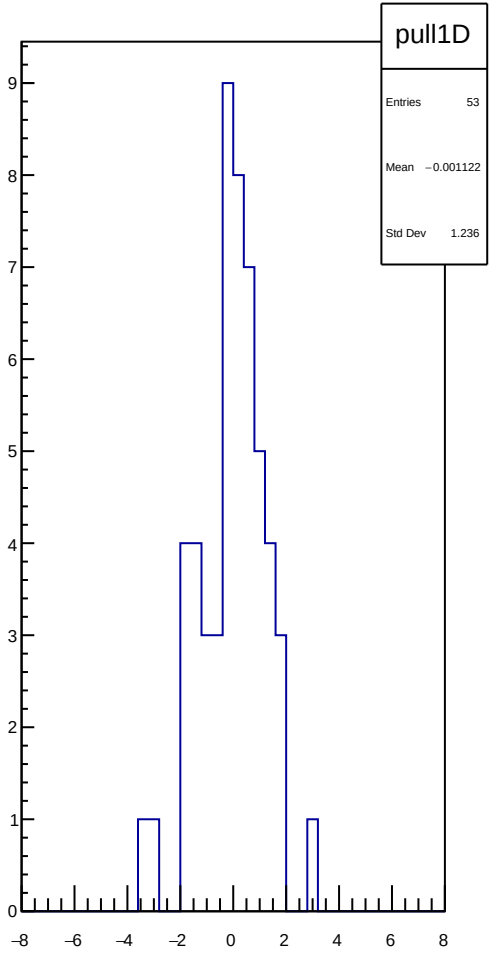

asym_usl_correction_rms vs run
χ² / ndf 2463 / 52
p0 580.8 ± 0.5727
620
600
580
560
540
520
500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

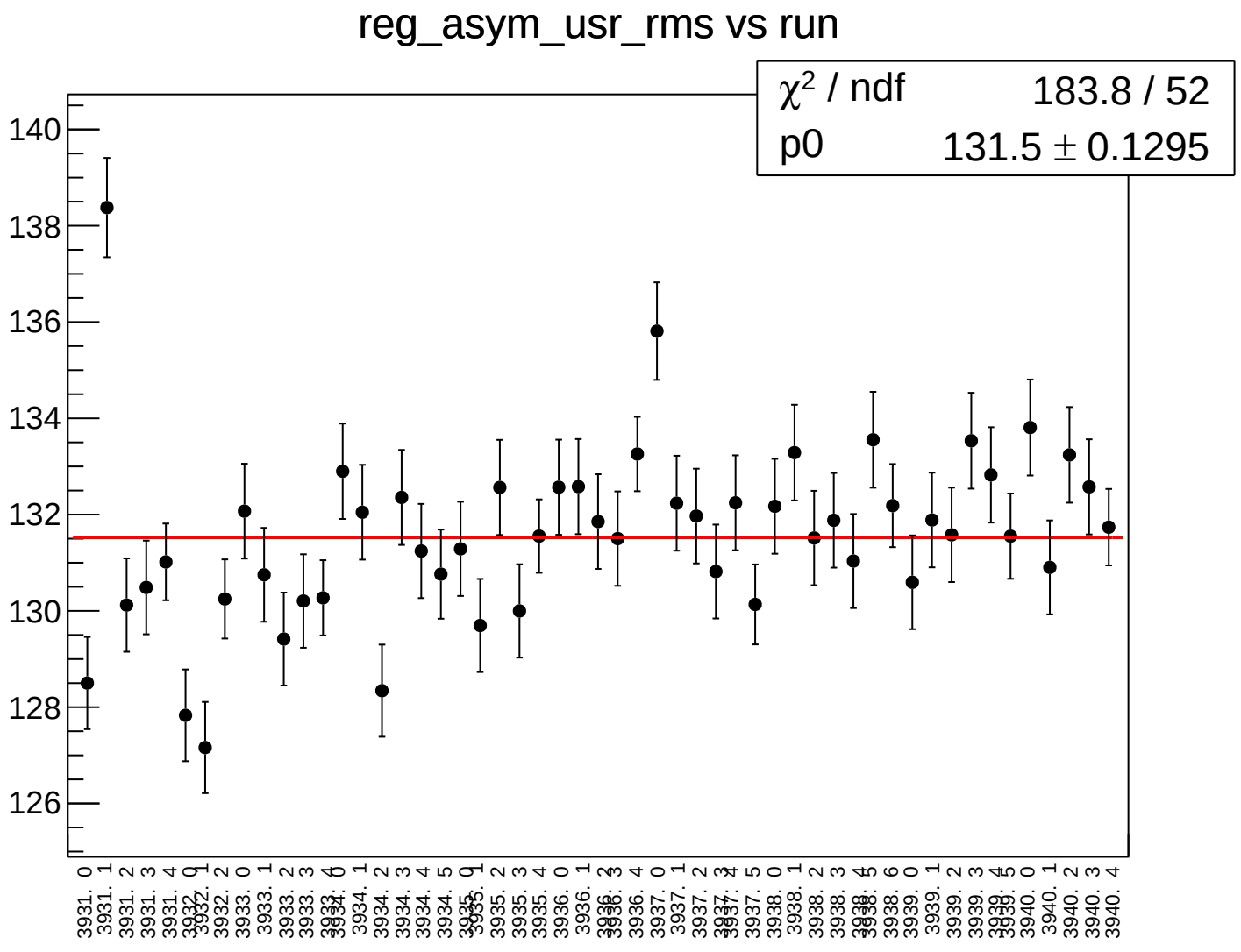

asym_usl_mean vs run
χ² / ndf 60.26 / 52
p0 −214.7 ± 832.4
pull
Entries 53
Mean 152
Std Dev 110.3


pull1D
Entries 53
Mean −0.007837
Std Dev 1.066


asym_usl_rms vs run
χ² / ndf 2169 / 52
p0 597 ± 0.5886
640
620
600
580
560
540
520
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


reg_asym_usr_mean vs run
χ² / ndf 81.02 / 52
p0 188.7 ± 183.2
pull
Entries 53
Mean 1529
Std Dev 1475


pull1D
Entries 53
Mean −0.001122
Std Dev 1.236


reg_asym_usr_rms vs run
χ² / ndf 183.8 / 52
p0 131.5 ± 0.1295
140
138
136
134
132
130
128
126
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
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3940. 0
3940. 1
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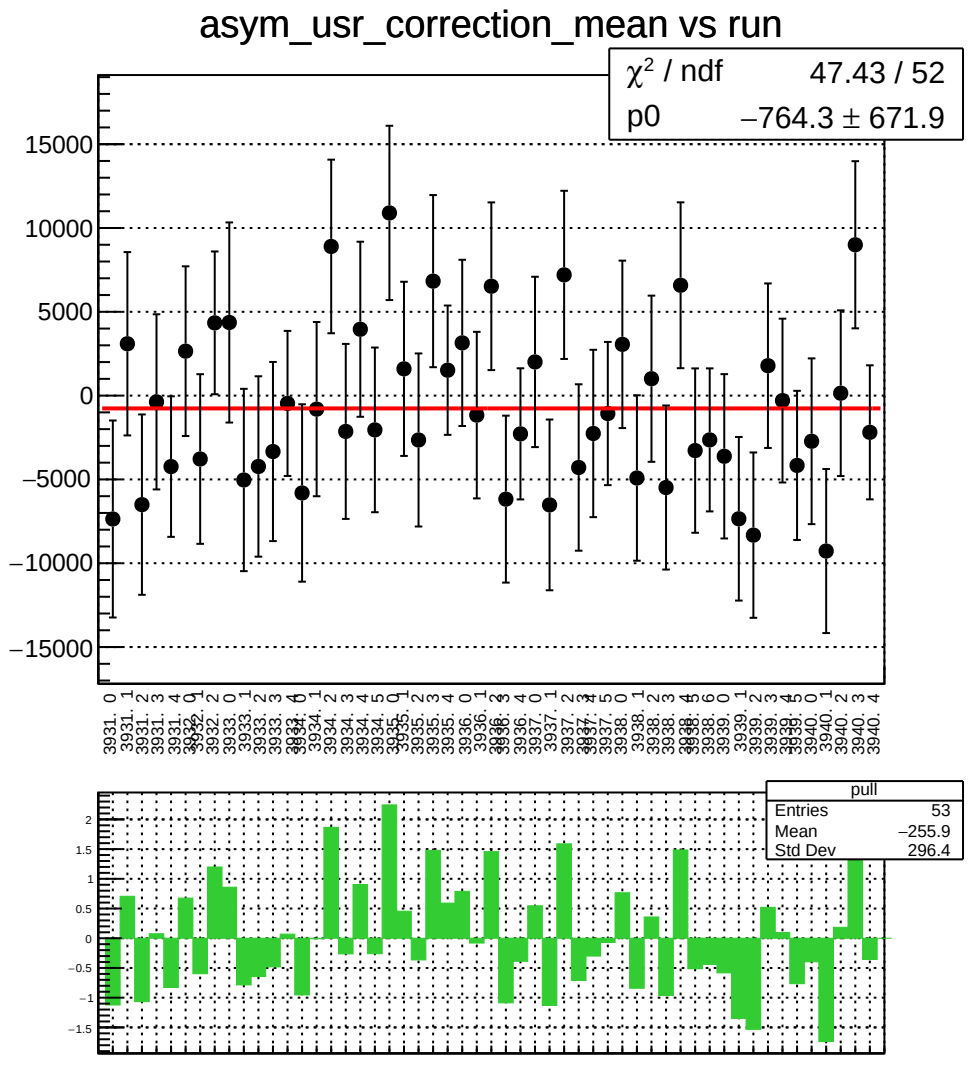
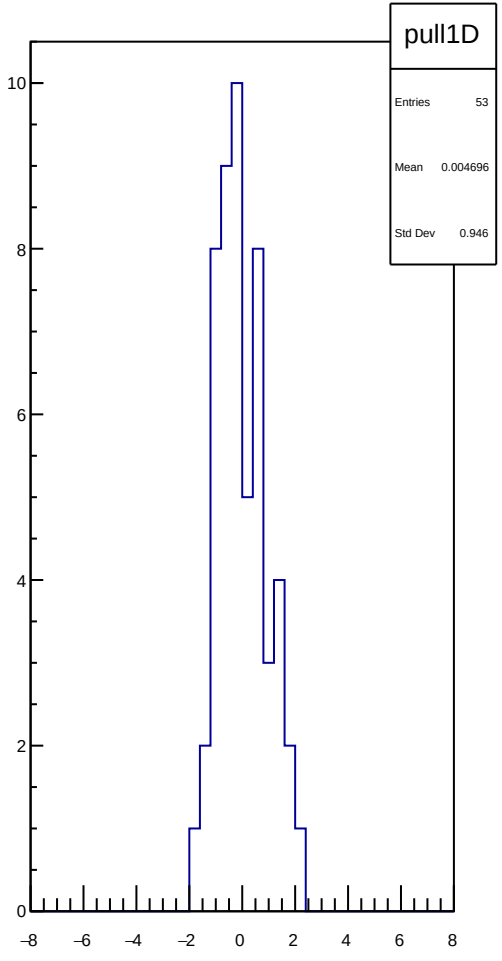
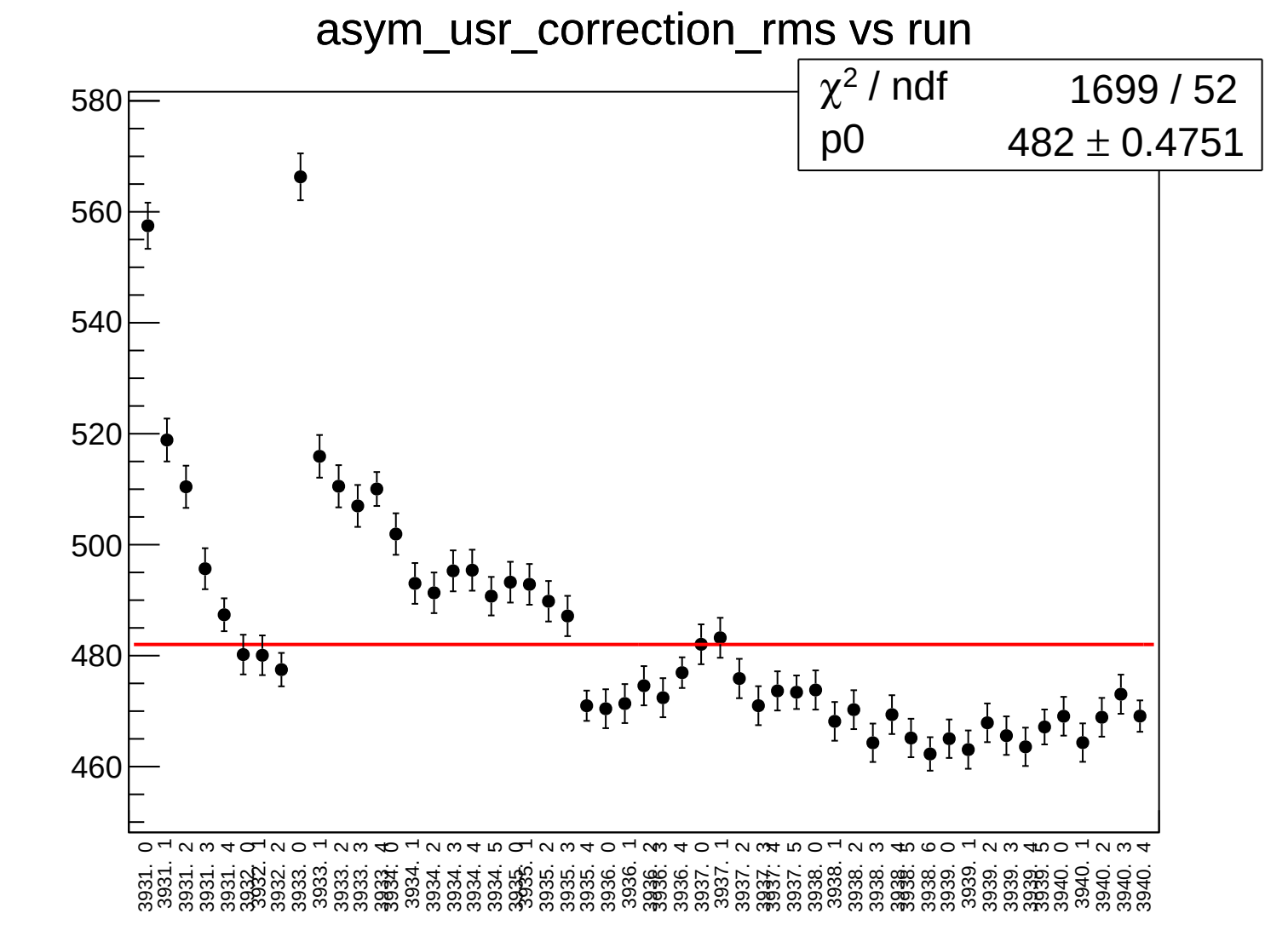
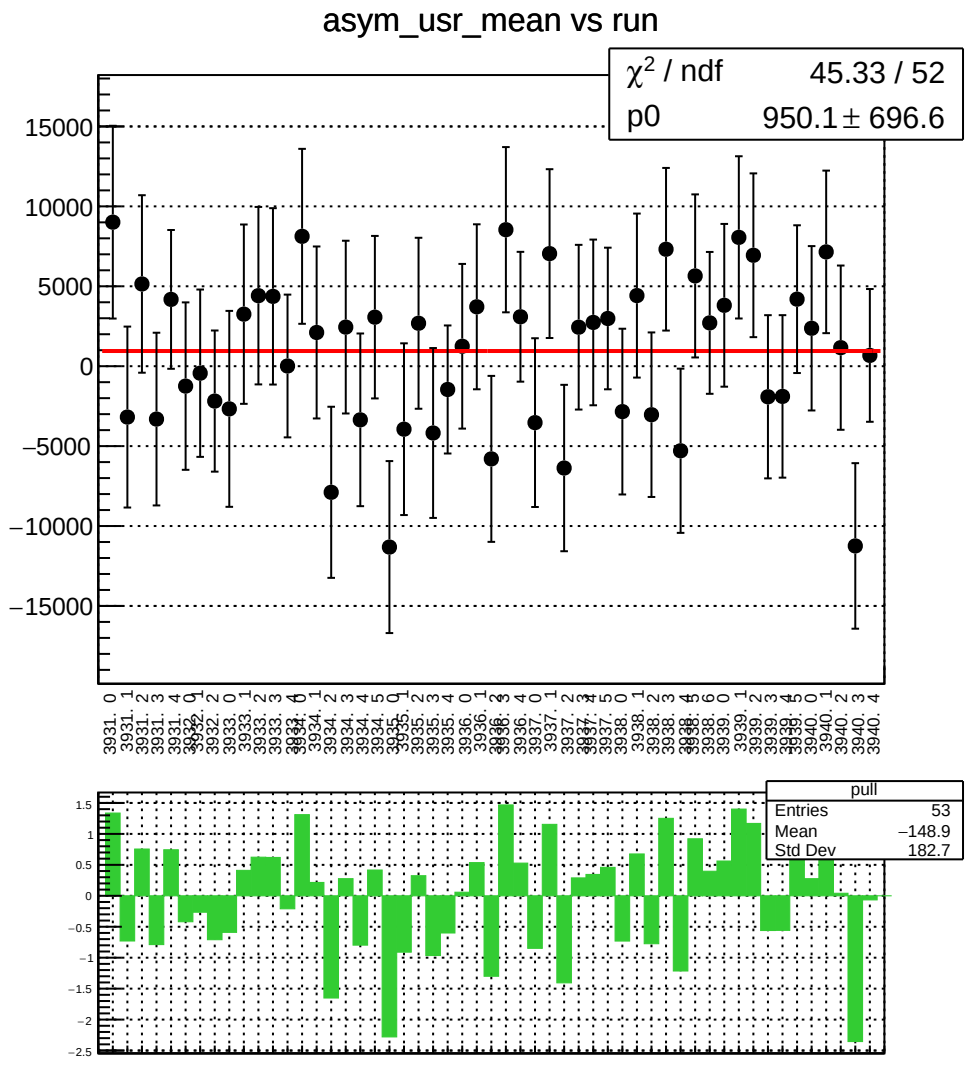
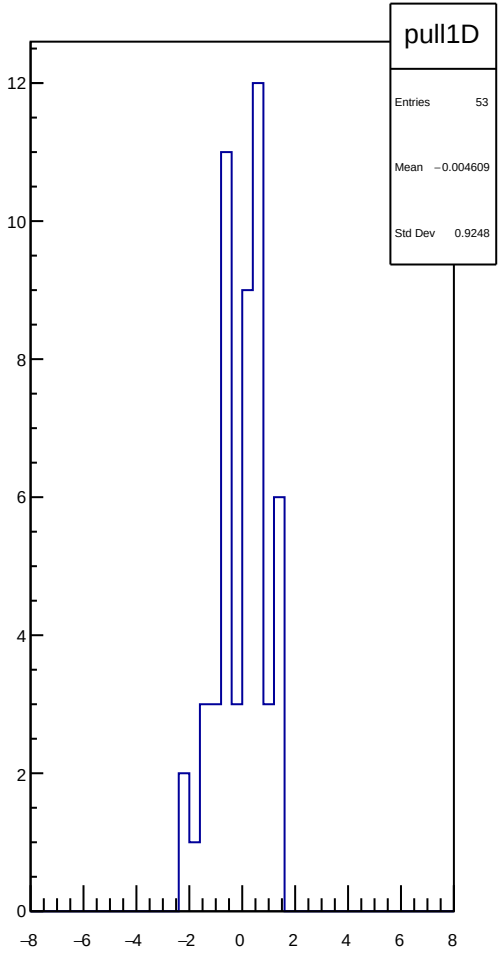
3940. 3
3940. 4

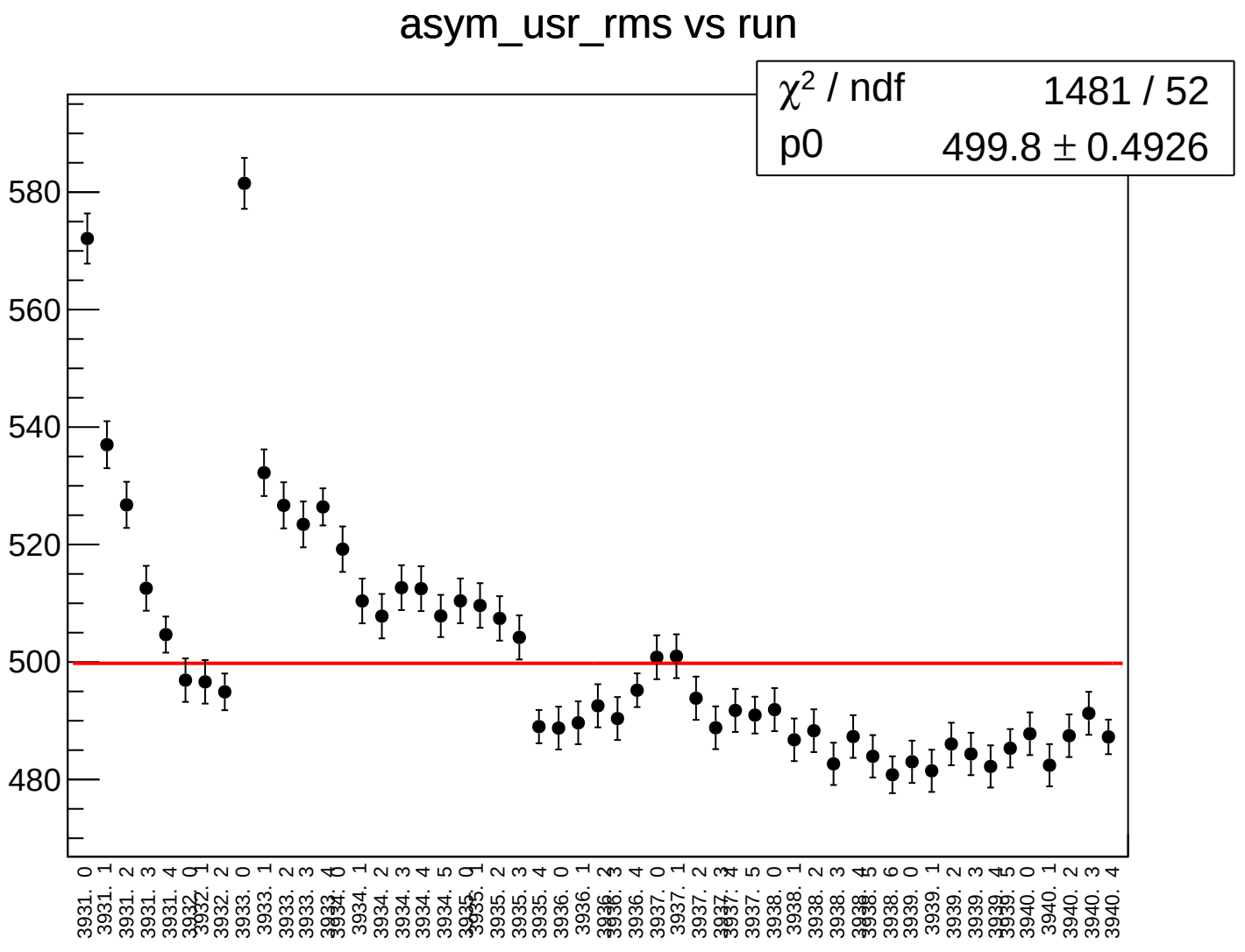

asym_usr_correction_mean vs run
χ² / ndf 47.43 / 52
p0 −764.3 ± 671.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −255.9
Std Dev 296.4
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean 0.004696
Std Dev 0.946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_correction_rms vs run
χ² / ndf 1699 / 52
p0 482 ± 0.4751
580
560
540
520
500
480
460
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_usr_mean vs run
χ² / ndf 45.33 / 52
p0 950.1 ± 696.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −148.9
Std Dev 182.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean −0.004609
Std Dev 0.9248
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_rms vs run
χ² / ndf 1481 / 52
p0 499.8 ± 0.4926
580
560
540
520
500
480
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
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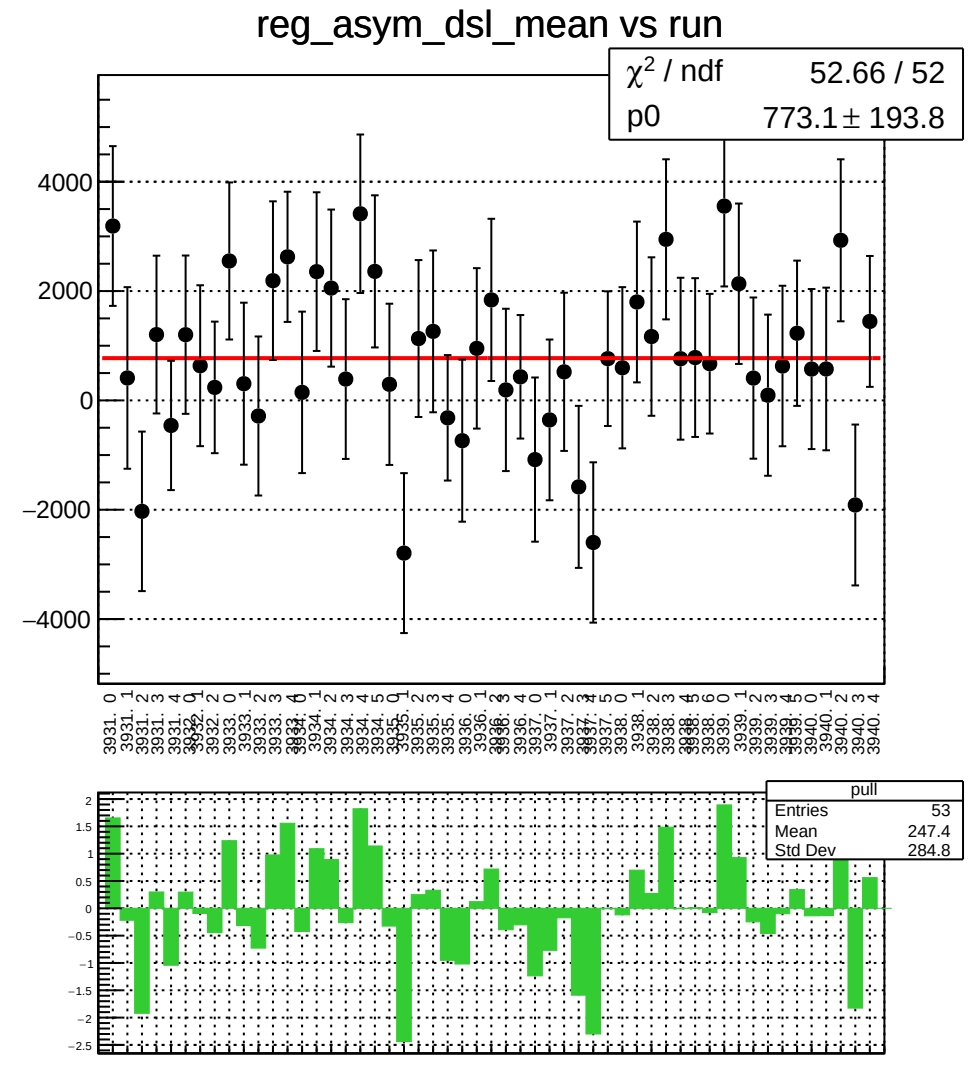
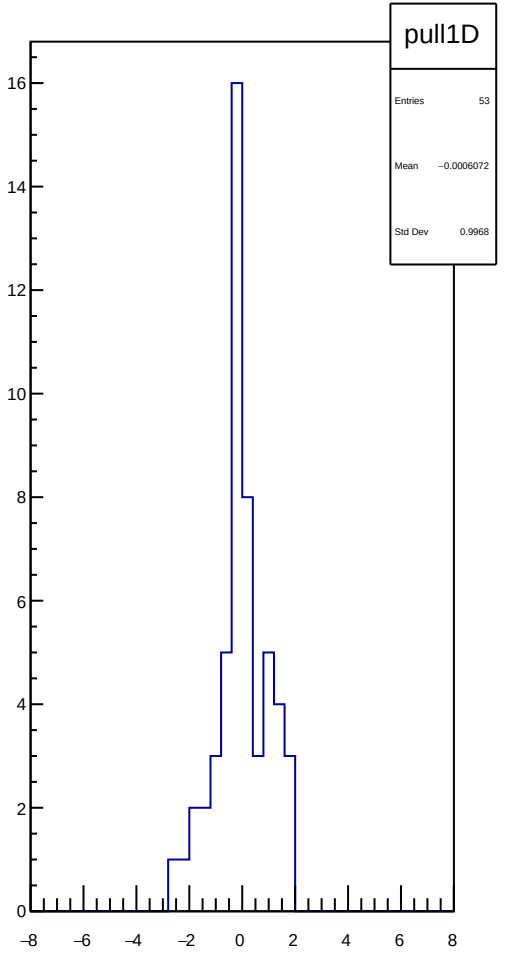
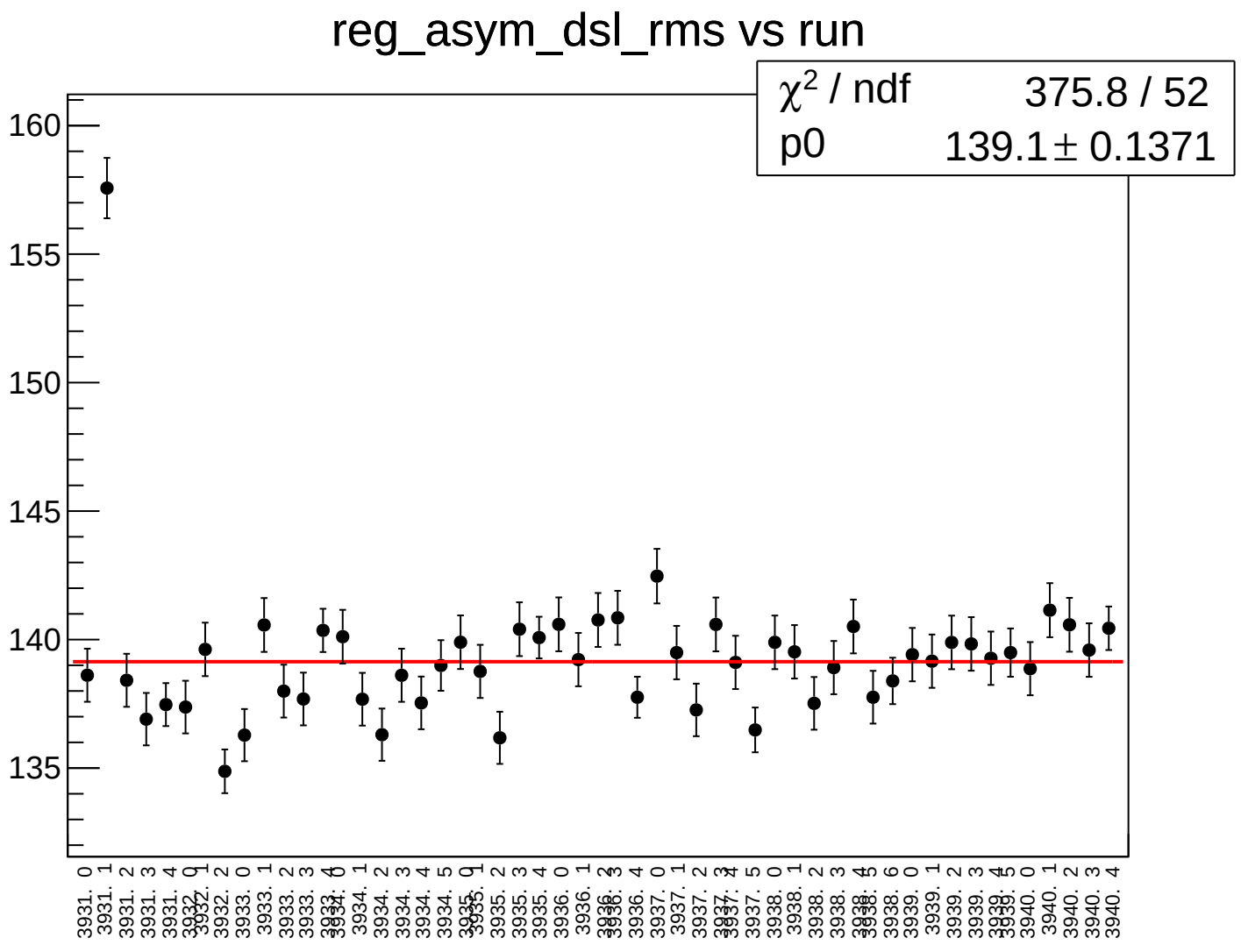
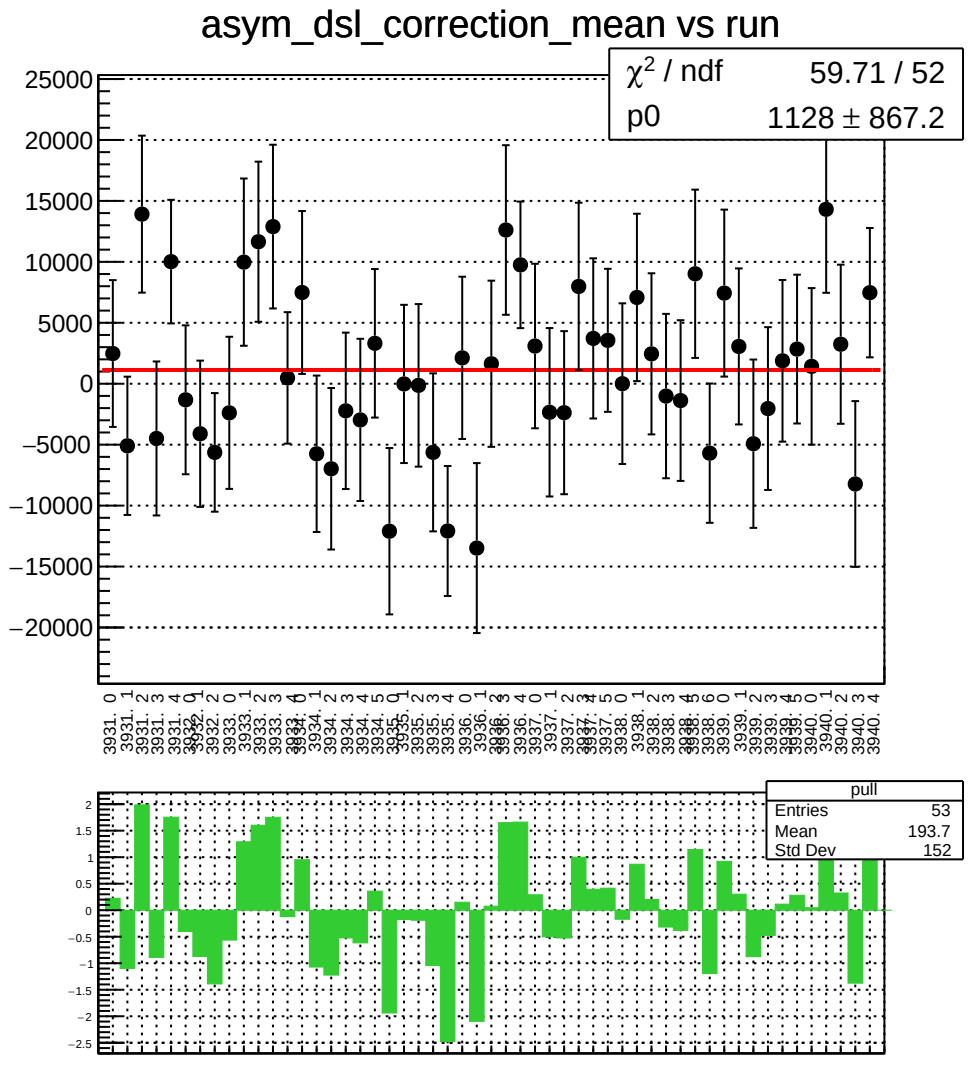
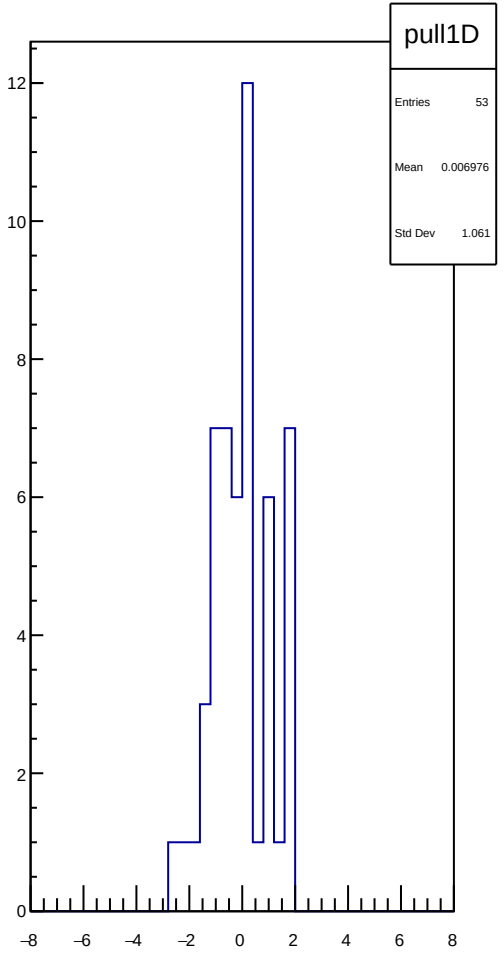
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

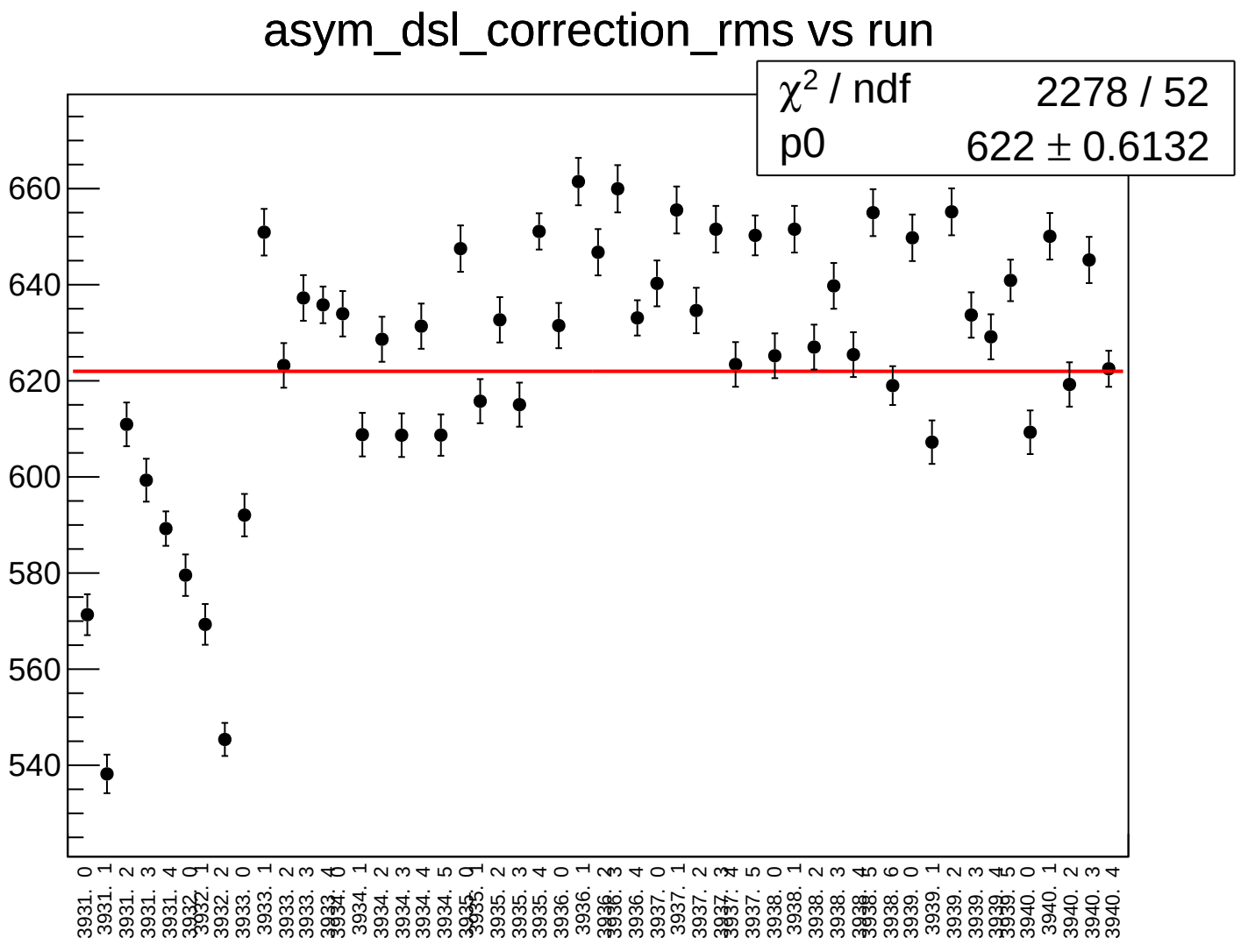

reg_asym_dsl_mean vs run
χ² / ndf 52.66 / 52
p0 773.1 ± 193.8
4000
2000
0
−2000
−4000
pull
Entries 53
Mean 247.4
Std Dev 284.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

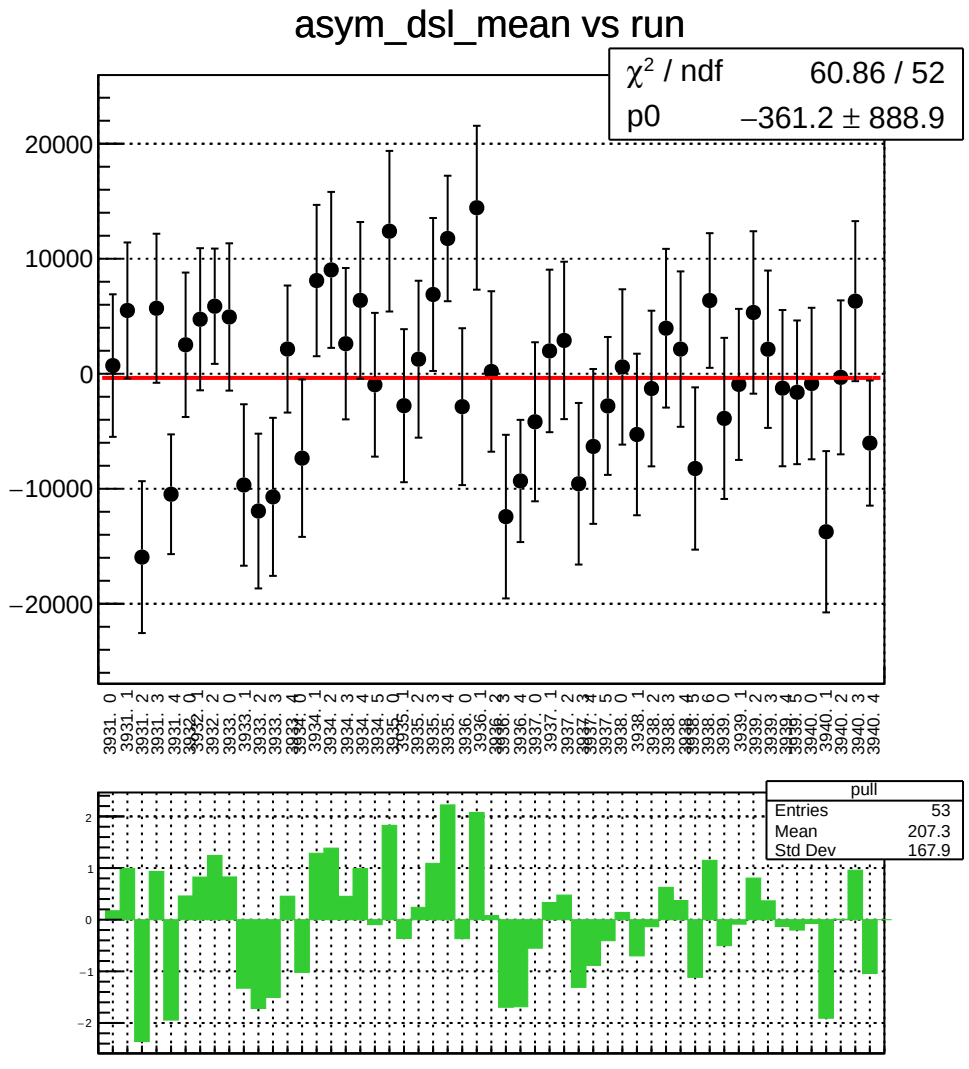

pull1D
Entries 53
Mean −0.0006072
Std Dev 0.9968
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

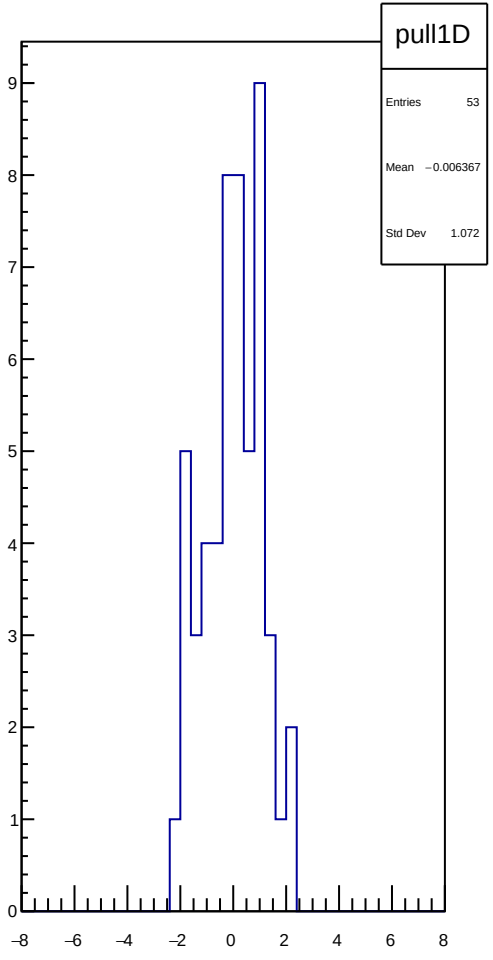

reg_asym_dsl_rms vs run
χ² / ndf 375.8 / 52
p0 139.1 ± 0.1371
160
155
150
145
140
135

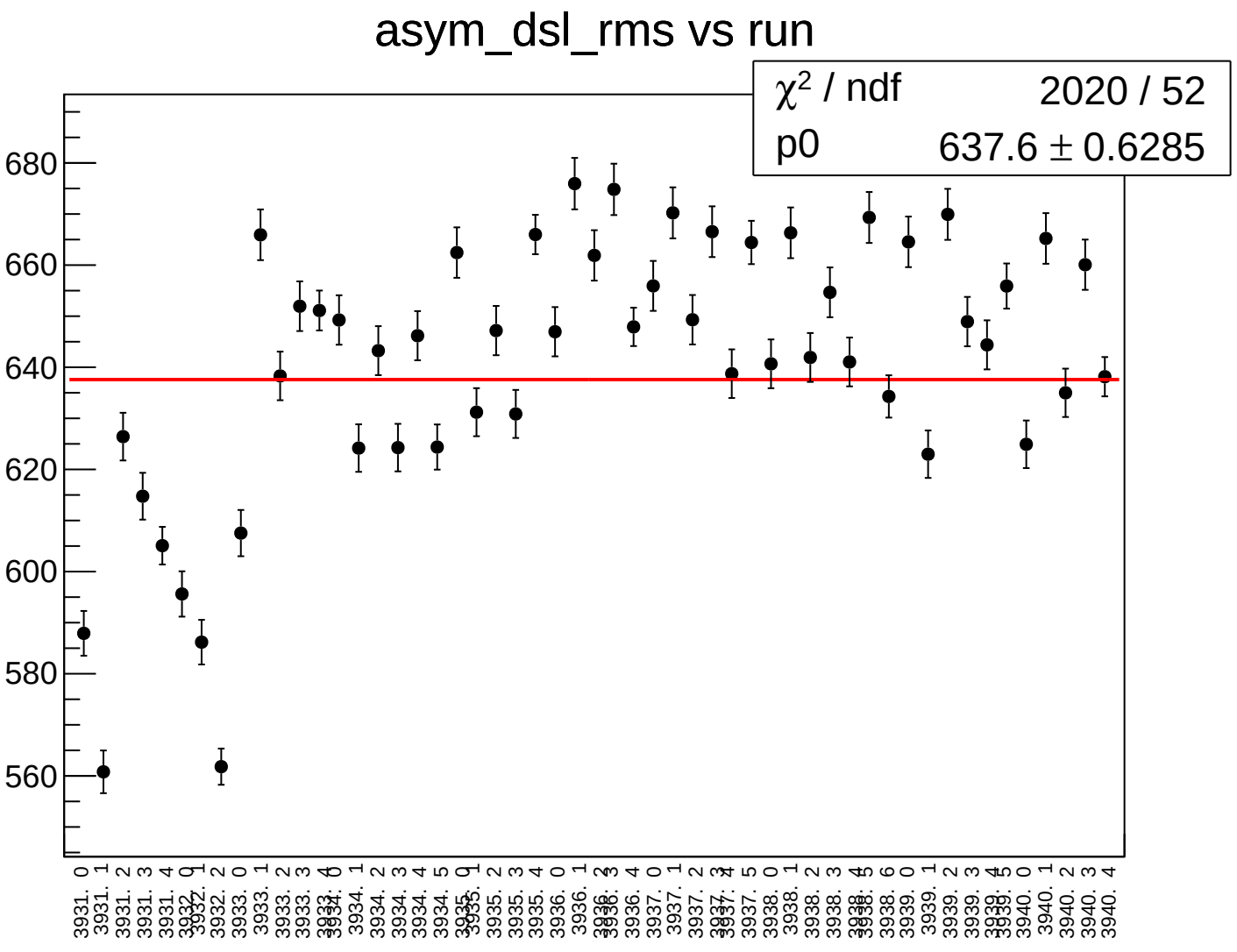

asym_dsl_correction_mean vs run
χ² / ndf 59.71 / 52
p0 1128 ± 867.2
pull
Entries 53
Mean 193.7
Std Dev 152


pull1D
Entries 53
Mean 0.006976
Std Dev 1.061


asym_dsl_correction_rms vs run
χ² / ndf 2278 / 52
p0 622 ± 0.6132
660
640
620
600
580
560
540
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_dsl_mean vs run
χ² / ndf 60.86 / 52
p0 −361.2 ± 888.9
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 207.3
Std Dev 167.9
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.006367
Std Dev 1.072
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_dsl_rms vs run
χ² / ndf 2020 / 52
p0 637.6 ± 0.6285
680
660
640
620
600
580
560
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
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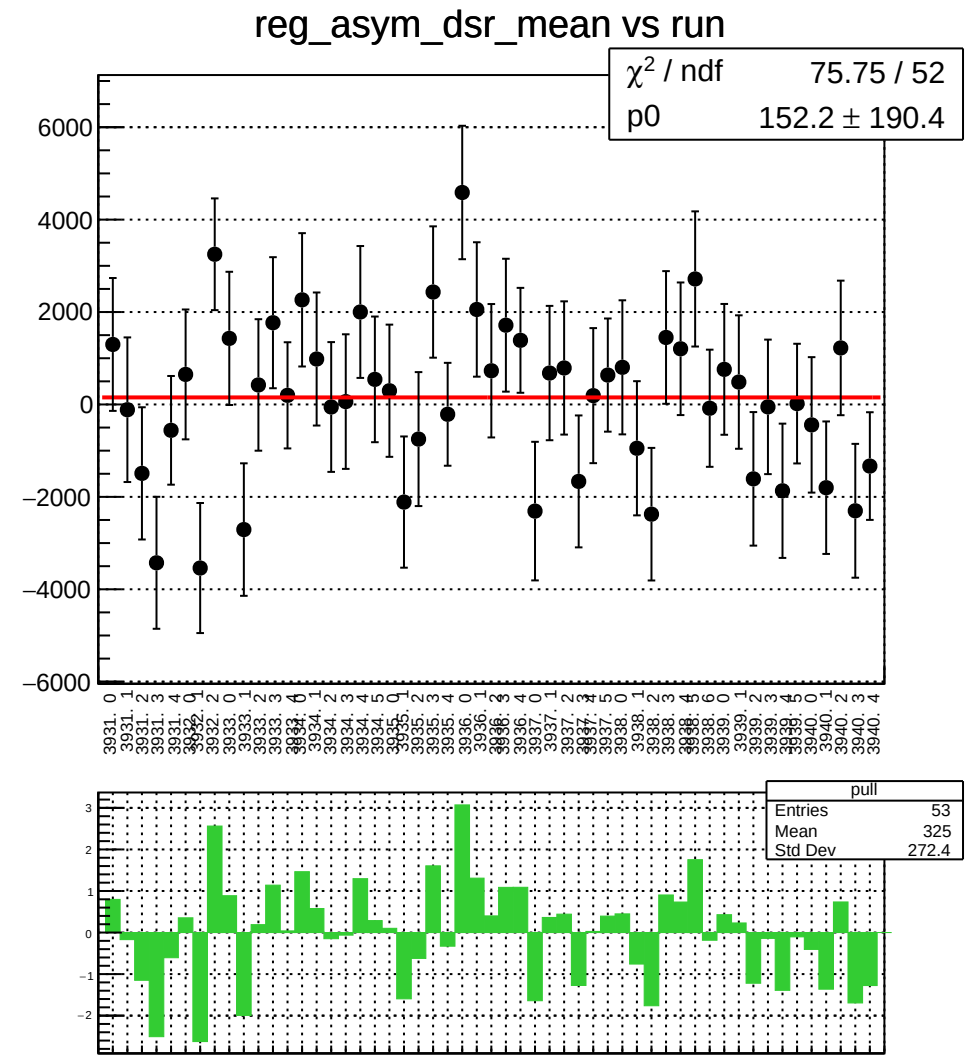
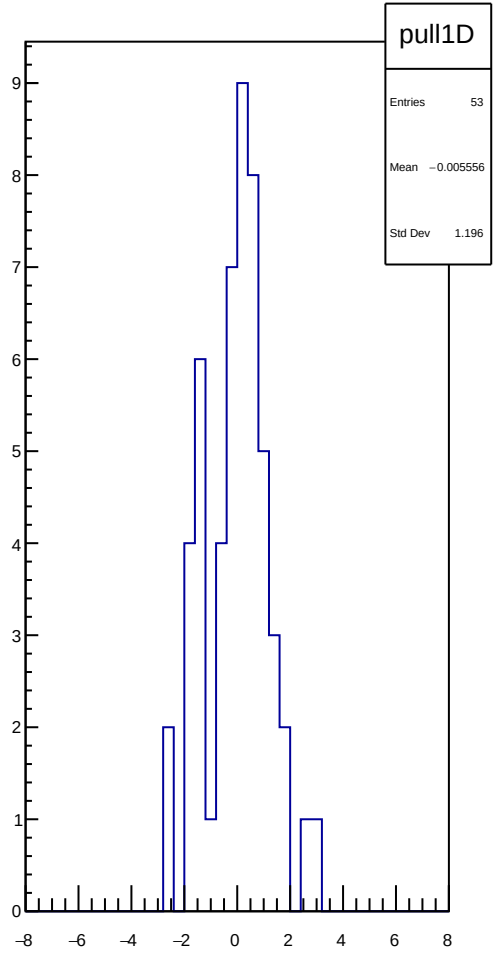
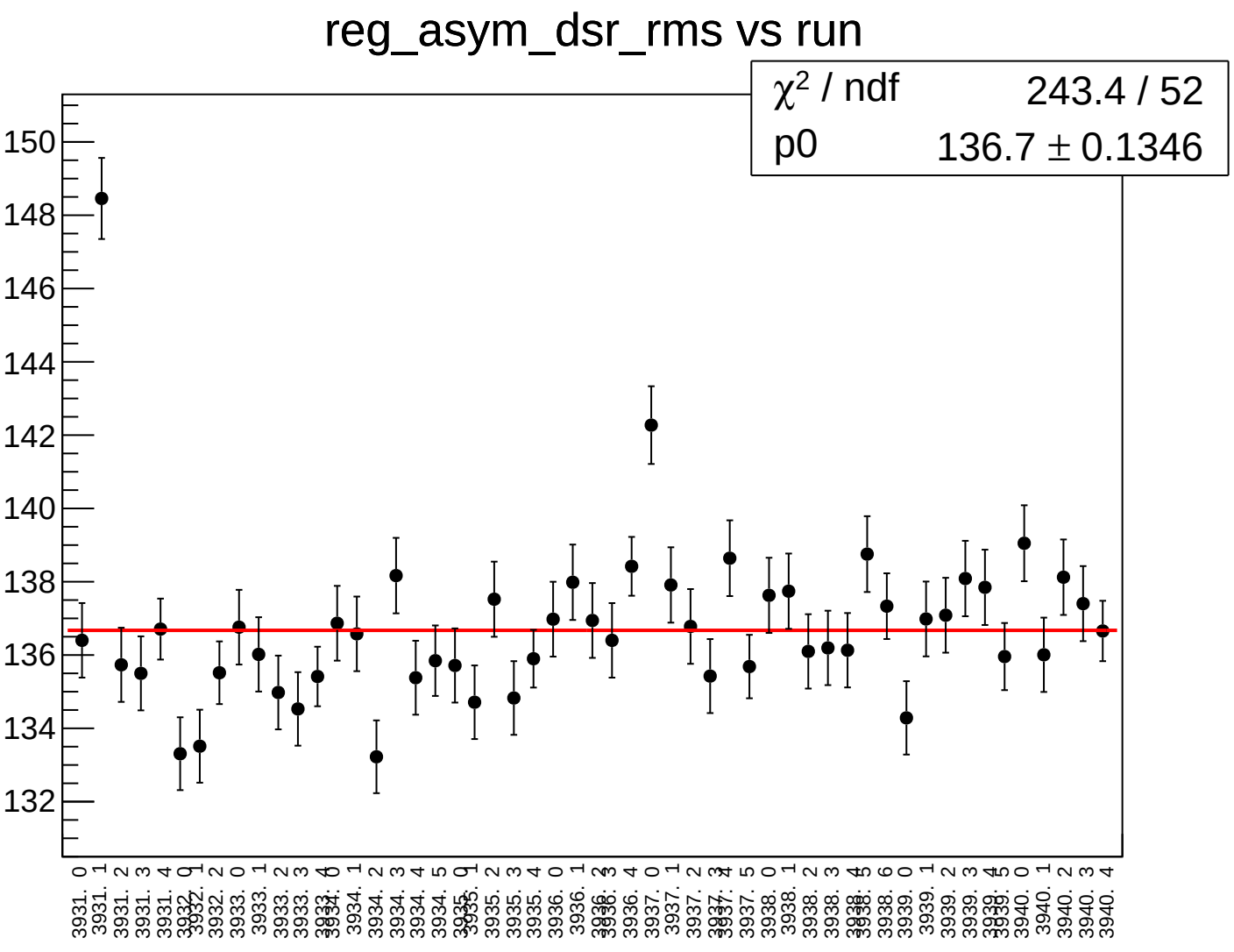
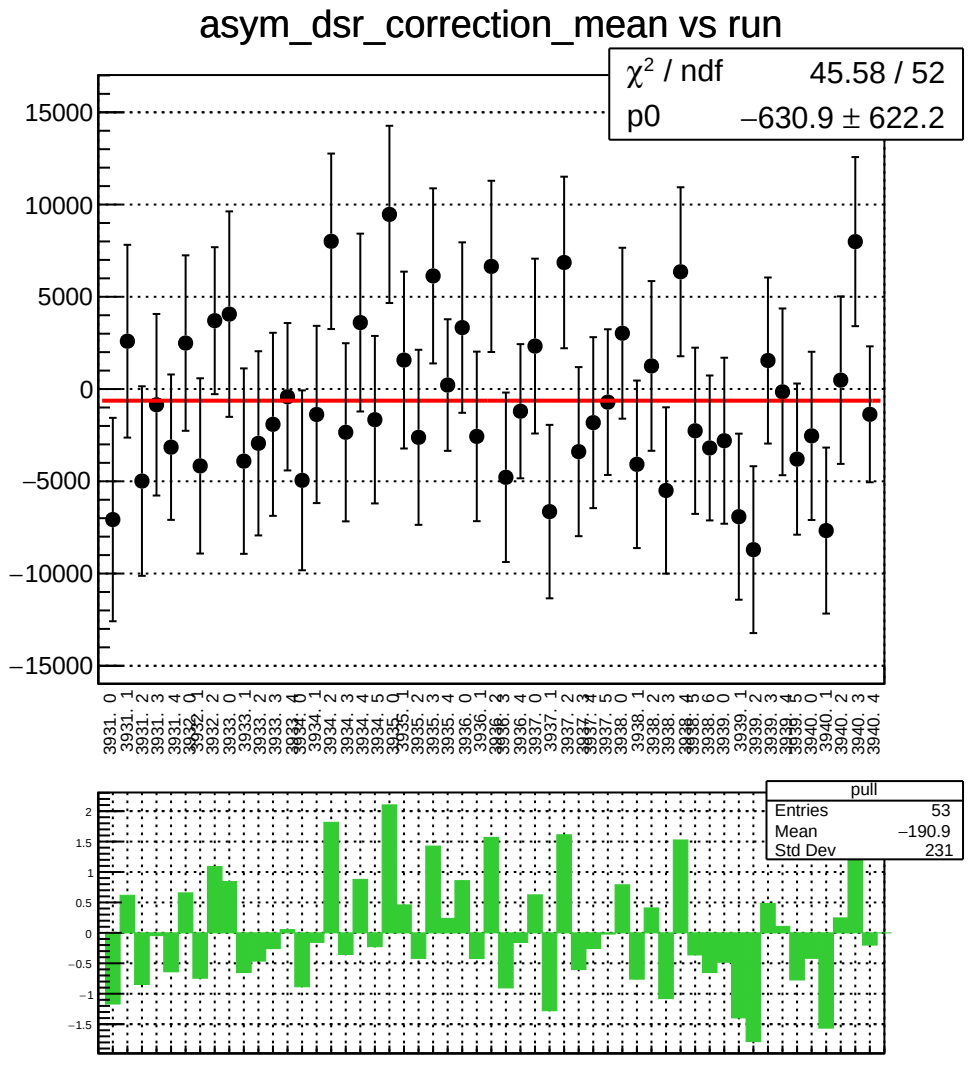
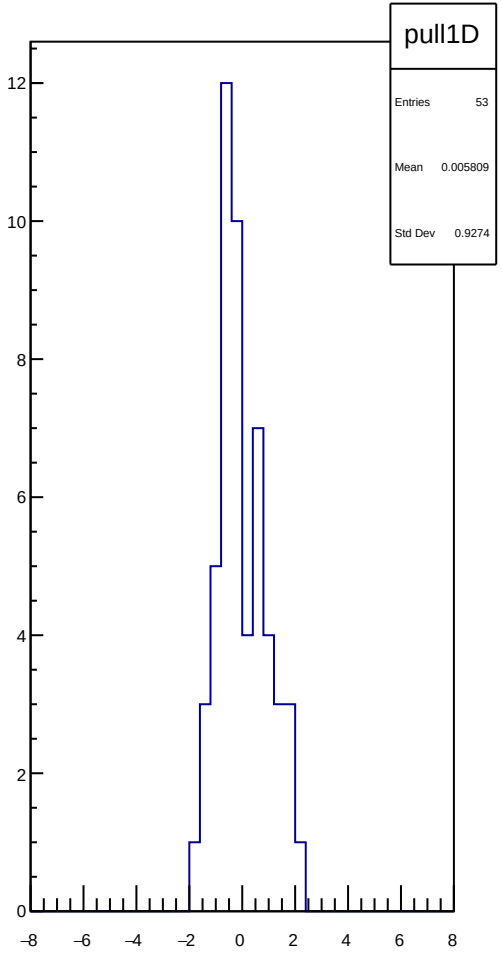
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

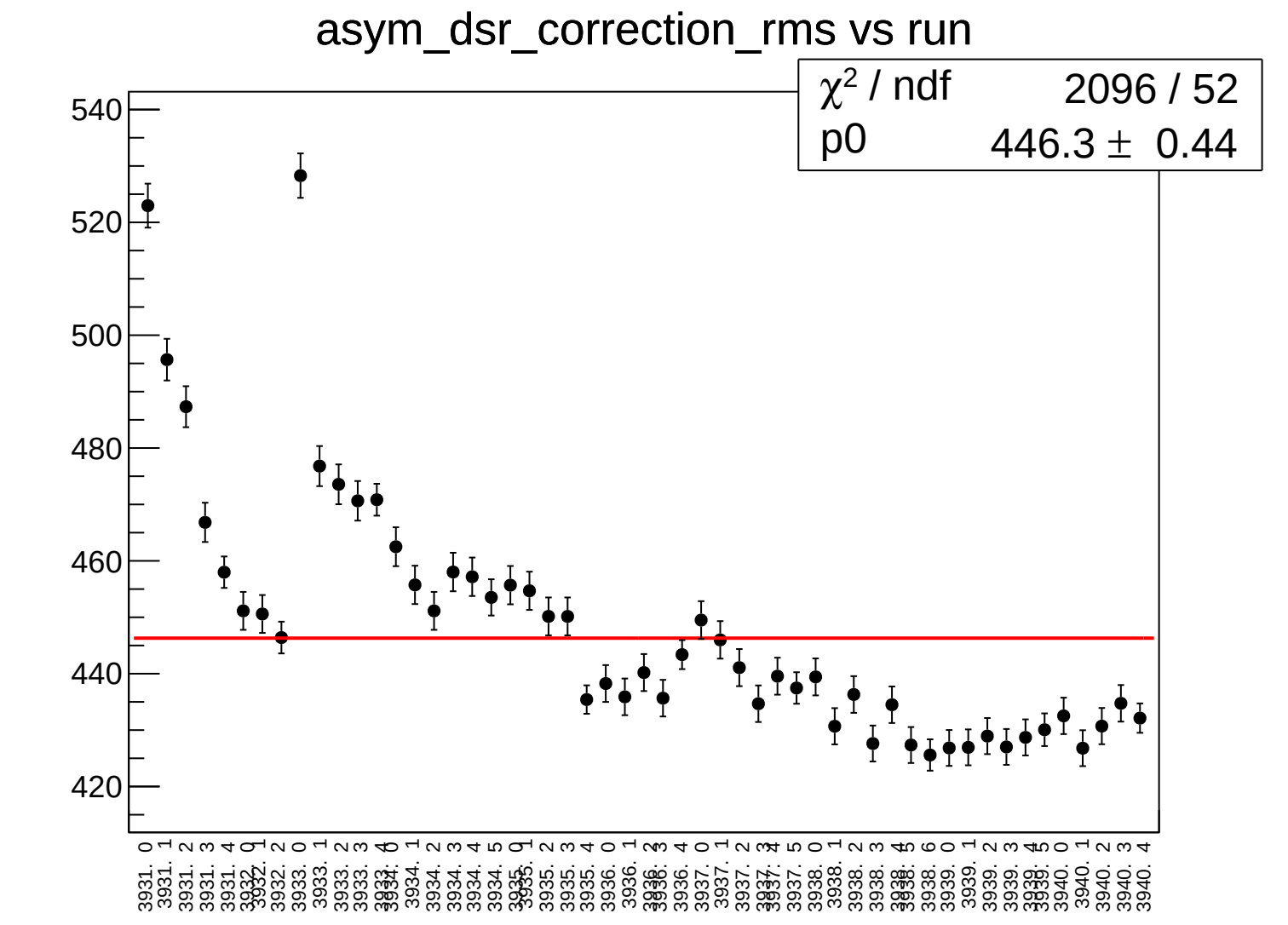

reg_asym_dsr_mean vs run
χ^2 / ndf 75.75 / 52
p0 152.2 ± 190.4
pull
Entries 53
Mean 325
Std Dev 272.4

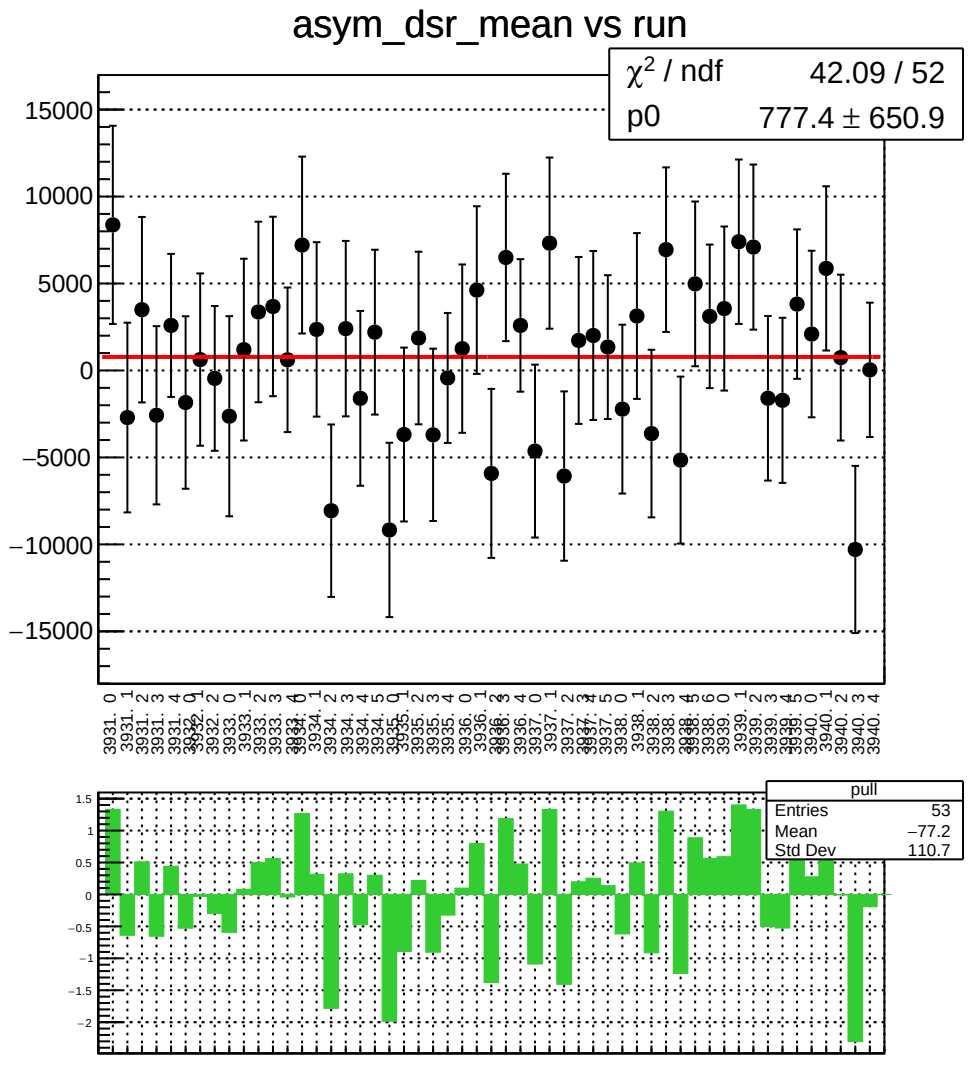

pull1D
Entries 53
Mean −0.005556
Std Dev 1.196

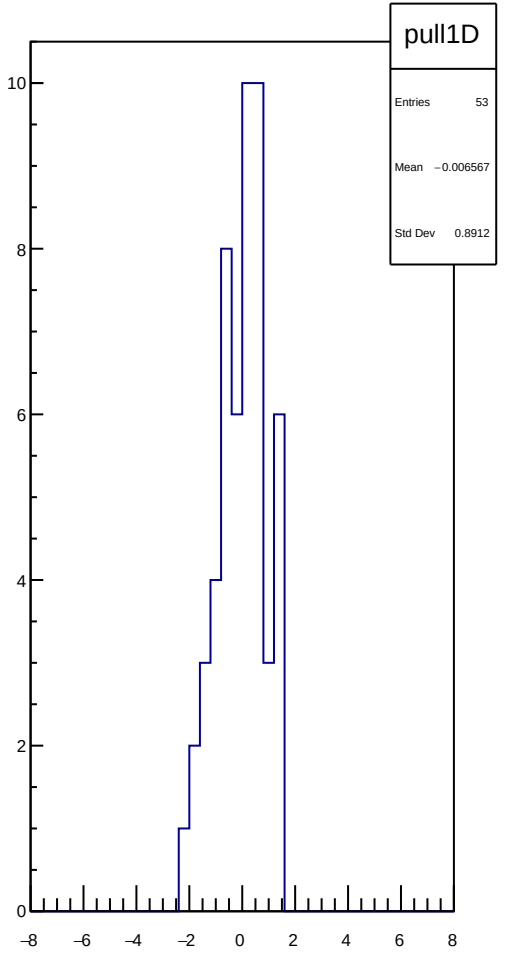

reg_asym_dsr_rms vs run
χ² / ndf 243.4 / 52
p0 136.7 ± 0.1346
150
148
146
144
142
140
138
136
134
132

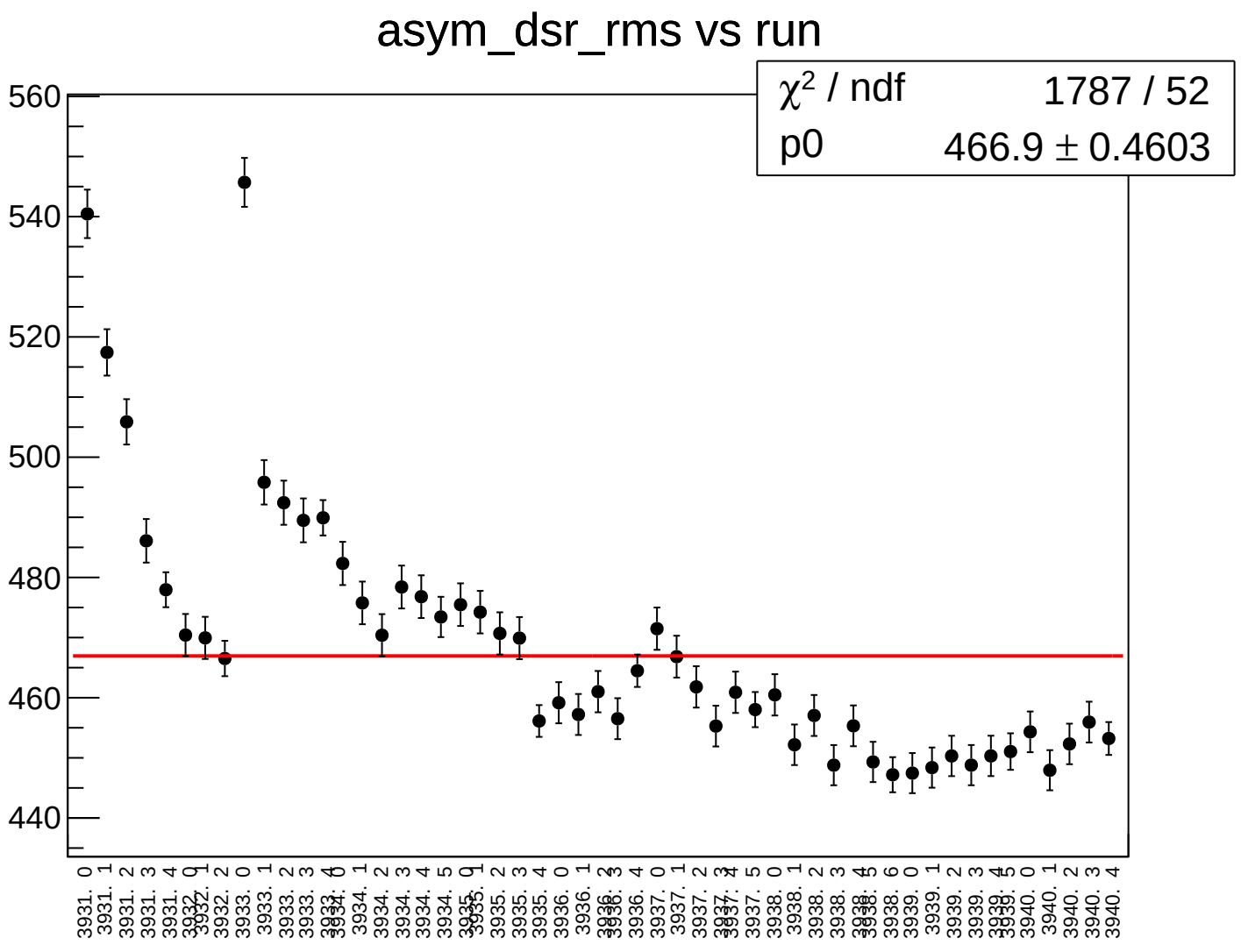

asym_dsr_correction_mean vs run
χ² / ndf 45.58 / 52
p0 −630.9 ± 622.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −190.9
Std Dev 231
2
1.5
1
0.5
0
−0.5
−1
−1.5

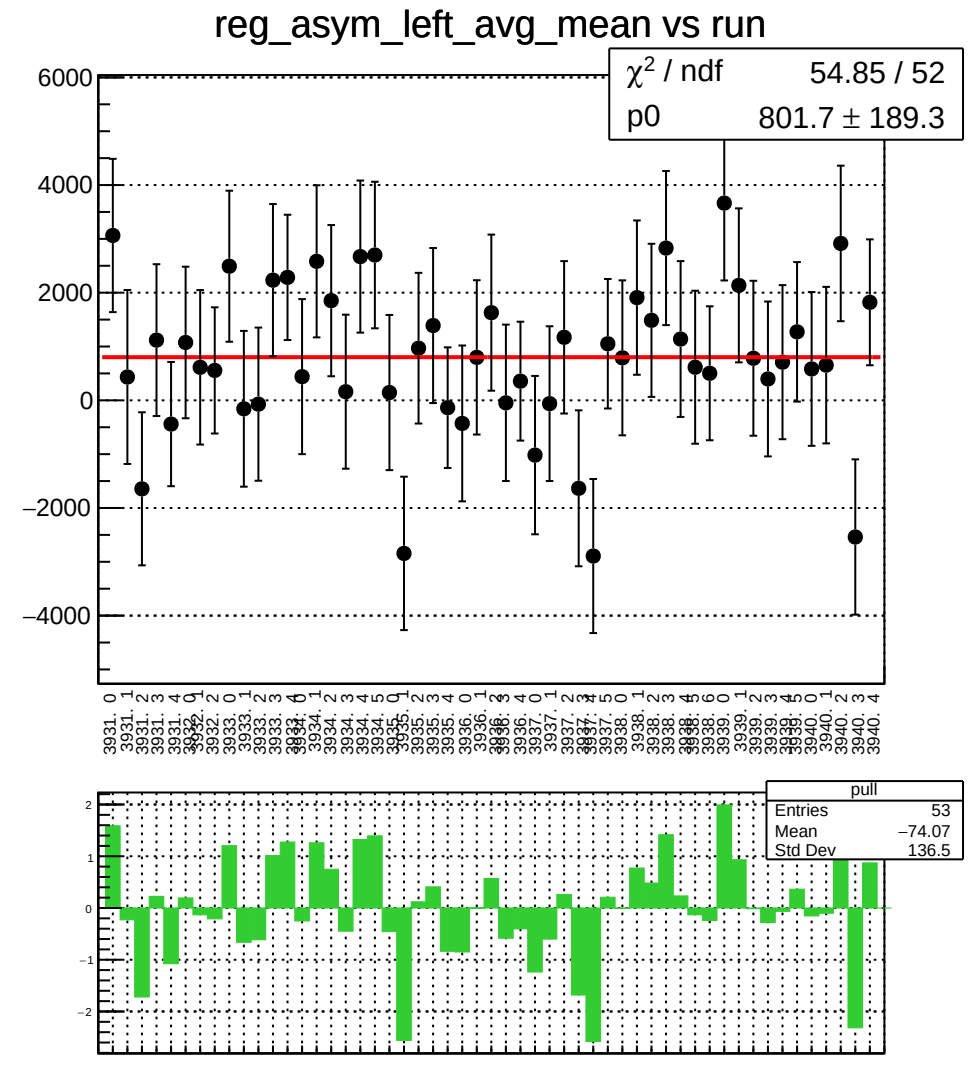

pull1D
Entries 53
Mean 0.005809
Std Dev 0.9274
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

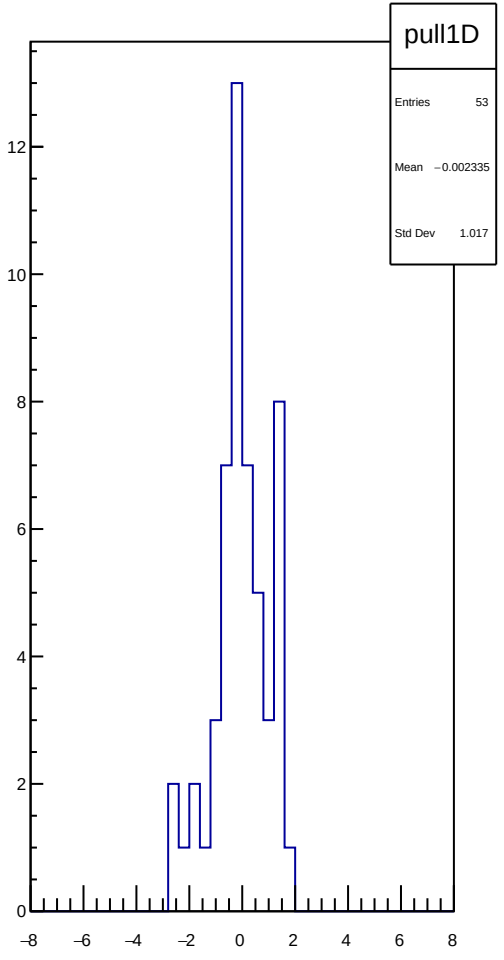

asym_dsr_correction_rms vs run
χ^2 / ndf 2096 / 52
p0 446.3 ± 0.44
540
520
500
480
460
440
420
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

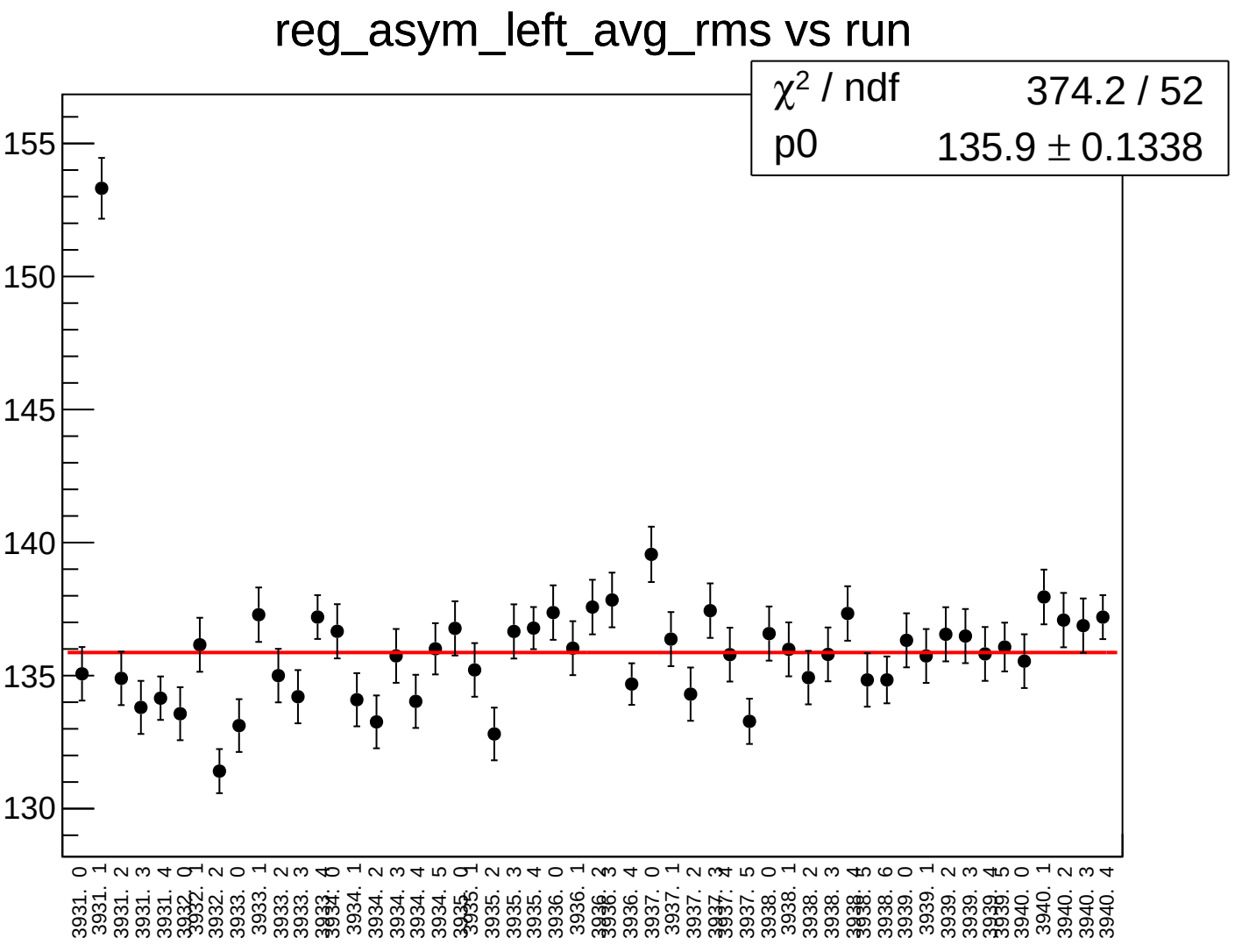

asym_dsr_mean vs run
χ² / ndf 42.09 / 52
p0 777.4 ± 650.9
pull
Entries 53
Mean −77.2
Std Dev 110.7


pull1D
Entries 53
Mean −0.006567
Std Dev 0.8912


asym_dsr_rms vs run
χ² / ndf 1787 / 52
p0 466.9 ± 0.4603
560
540
520
500
480
460
440


reg_asym_left_avg_mean vs run
χ² / ndf 54.85 / 52
p0 801.7 ± 189.3
pull
Entries 53
Mean −74.07
Std Dev 136.5


pull1D
Entries 53
Mean −0.002335
Std Dev 1.017


reg_asym_left_avg_rms vs run
χ² / ndf 374.2 / 52
p0 135.9 ± 0.1338
155
150
145
140
135
130
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
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3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
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3939. 3
3939. 4
3939. 5
3940. 0
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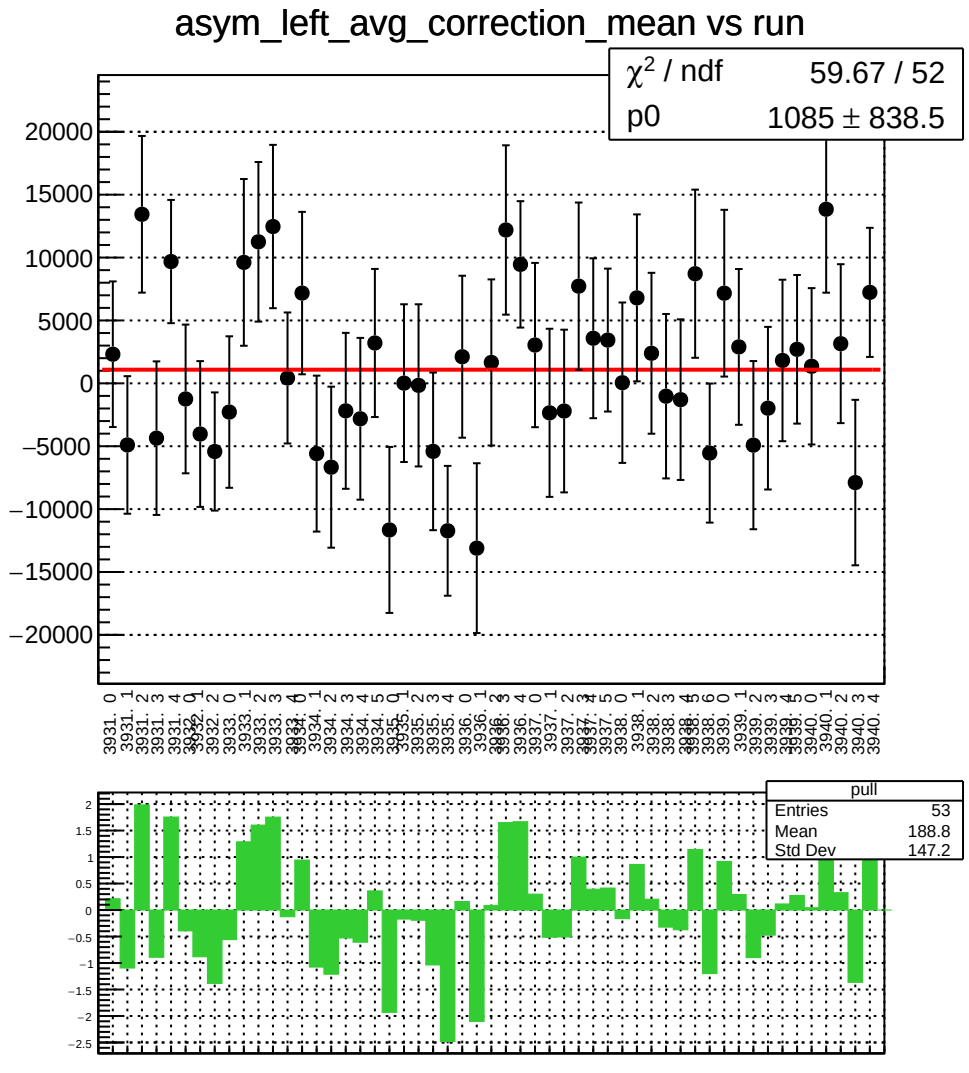
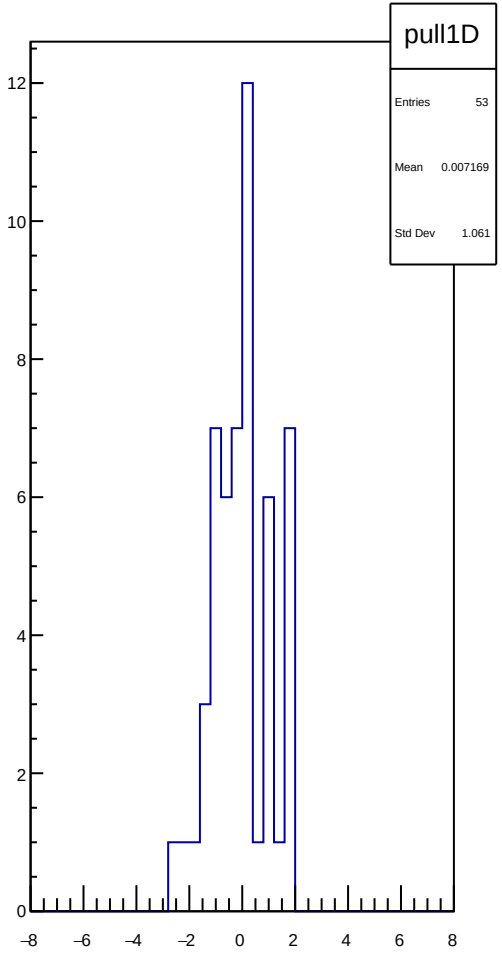
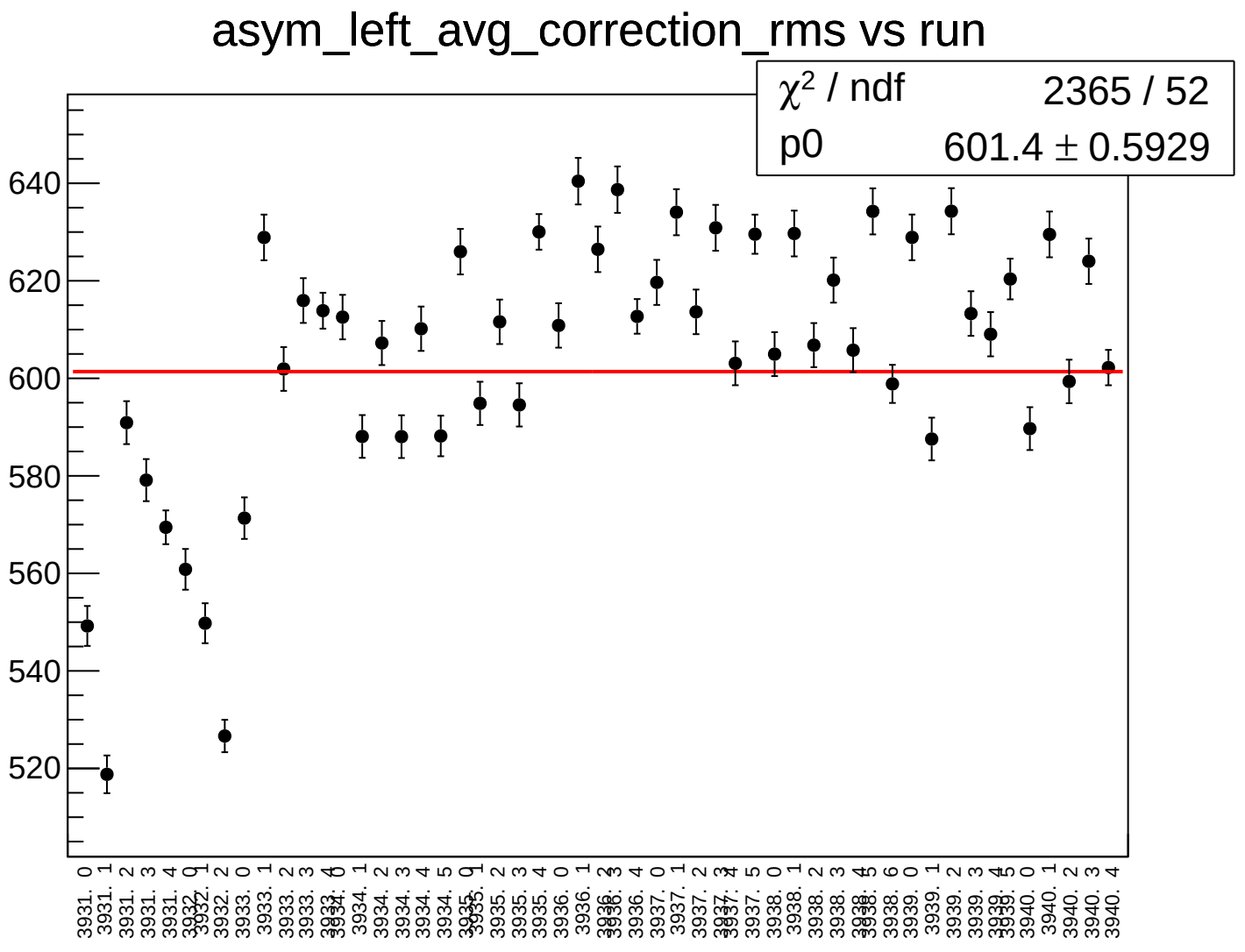
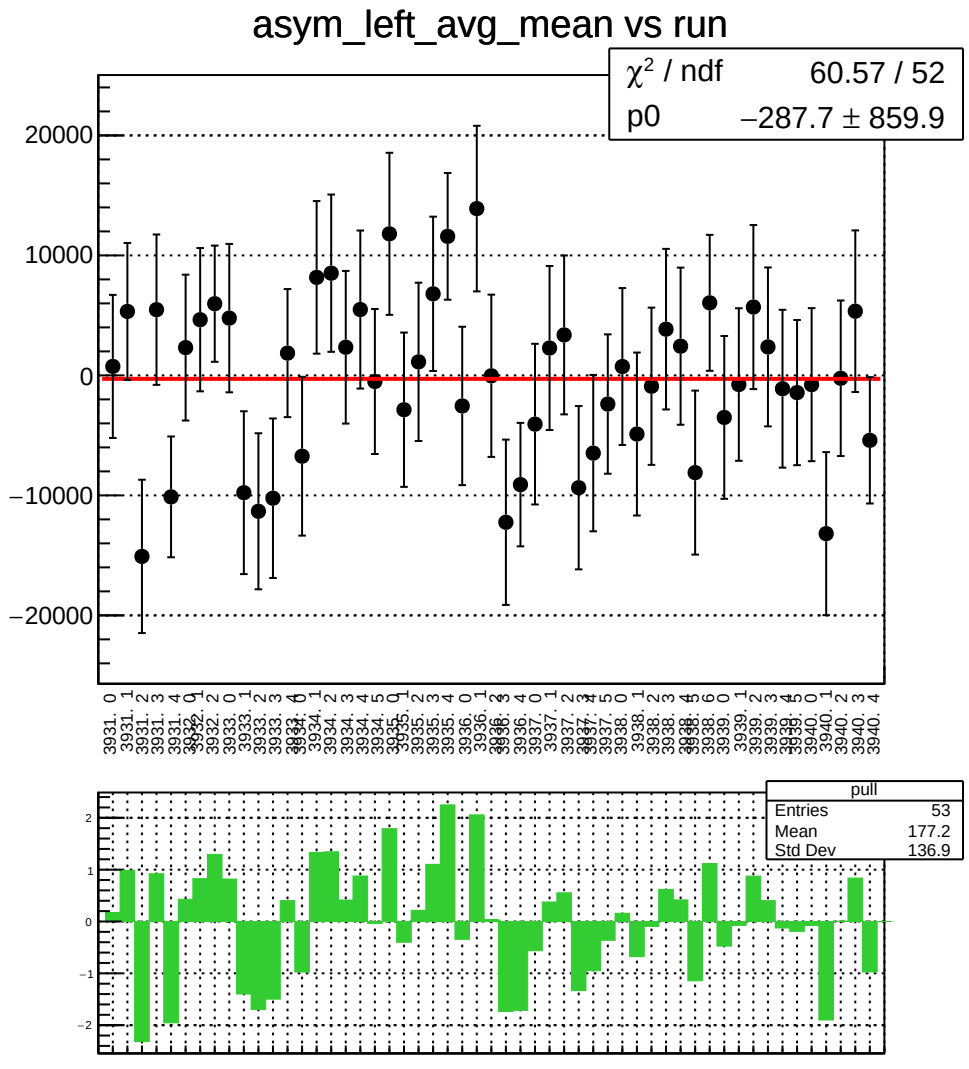
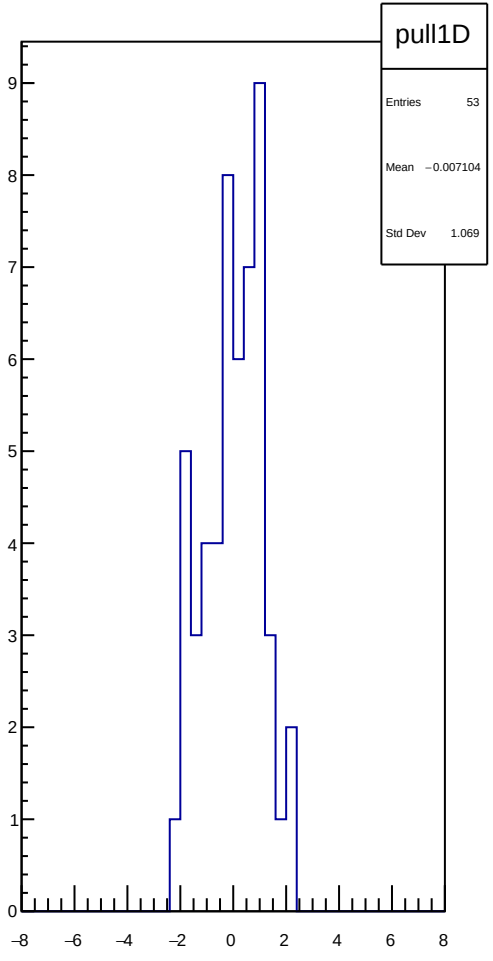
3940. 2
3940. 3
3940. 4

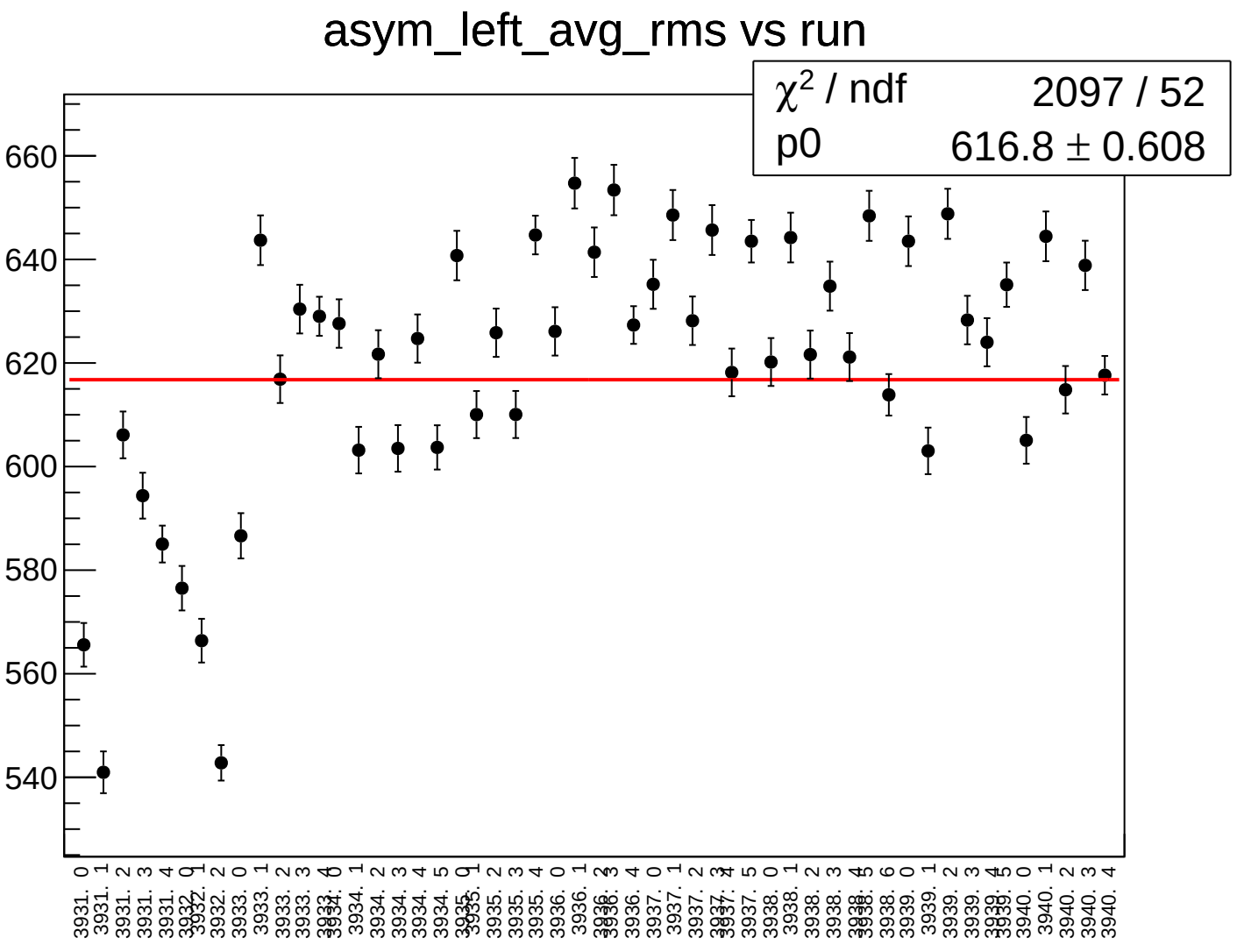

asym_left_avg_correction_mean vs run
χ² / ndf 59.67 / 52
p0 1085 ± 838.5
pull
Entries 53
Mean 188.8
Std Dev 147.2


pull1D
Entries 53
Mean 0.007169
Std Dev 1.061


asym_left_avg_correction_rms vs run
χ² / ndf 2365 / 52
p0 601.4 ± 0.5929
640
620
600
580
560
540
520
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_left_avg_mean vs run
χ² / ndf 60.57 / 52
p0 −287.7 ± 859.9
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 177.2
Std Dev 136.9
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.007104
Std Dev 1.069
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_left_avg_rms vs run
χ² / ndf 2097 / 52
p0 616.8 ± 0.608
660
640
620
600
580
560
540
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
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3939. 3
3940. 0
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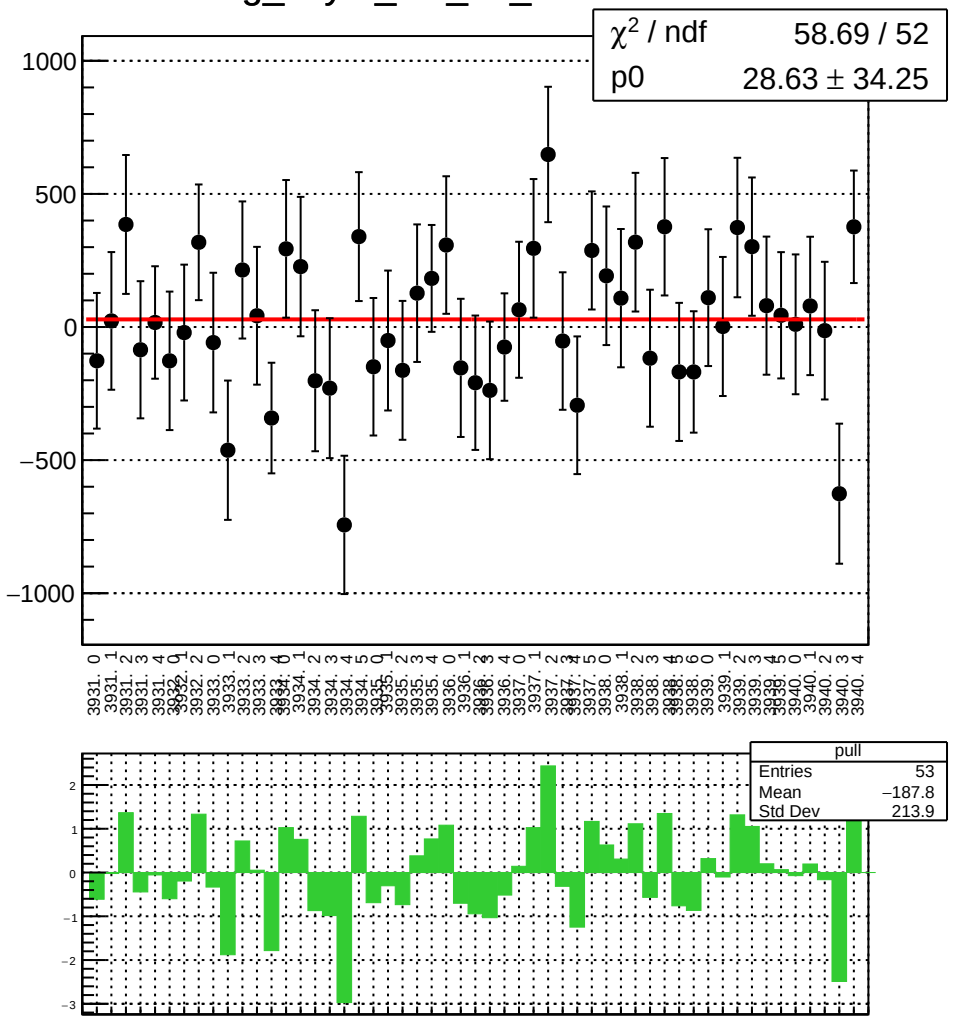
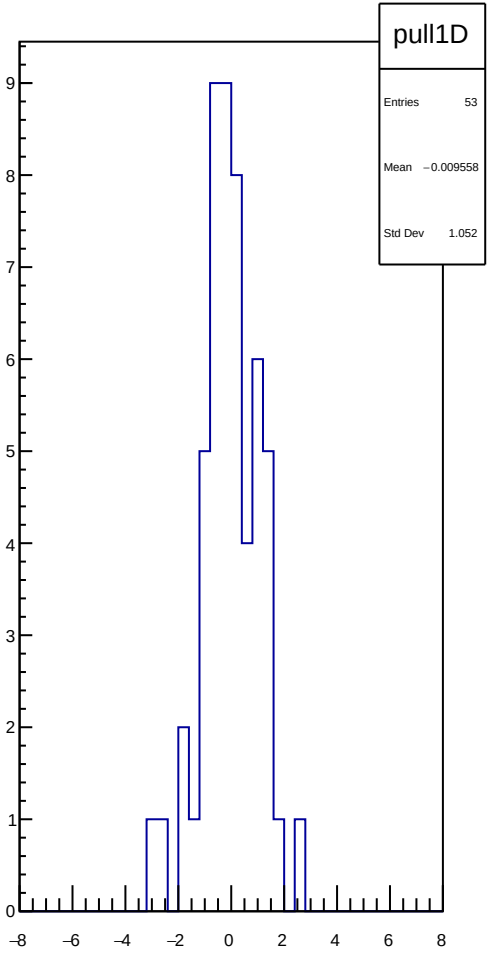
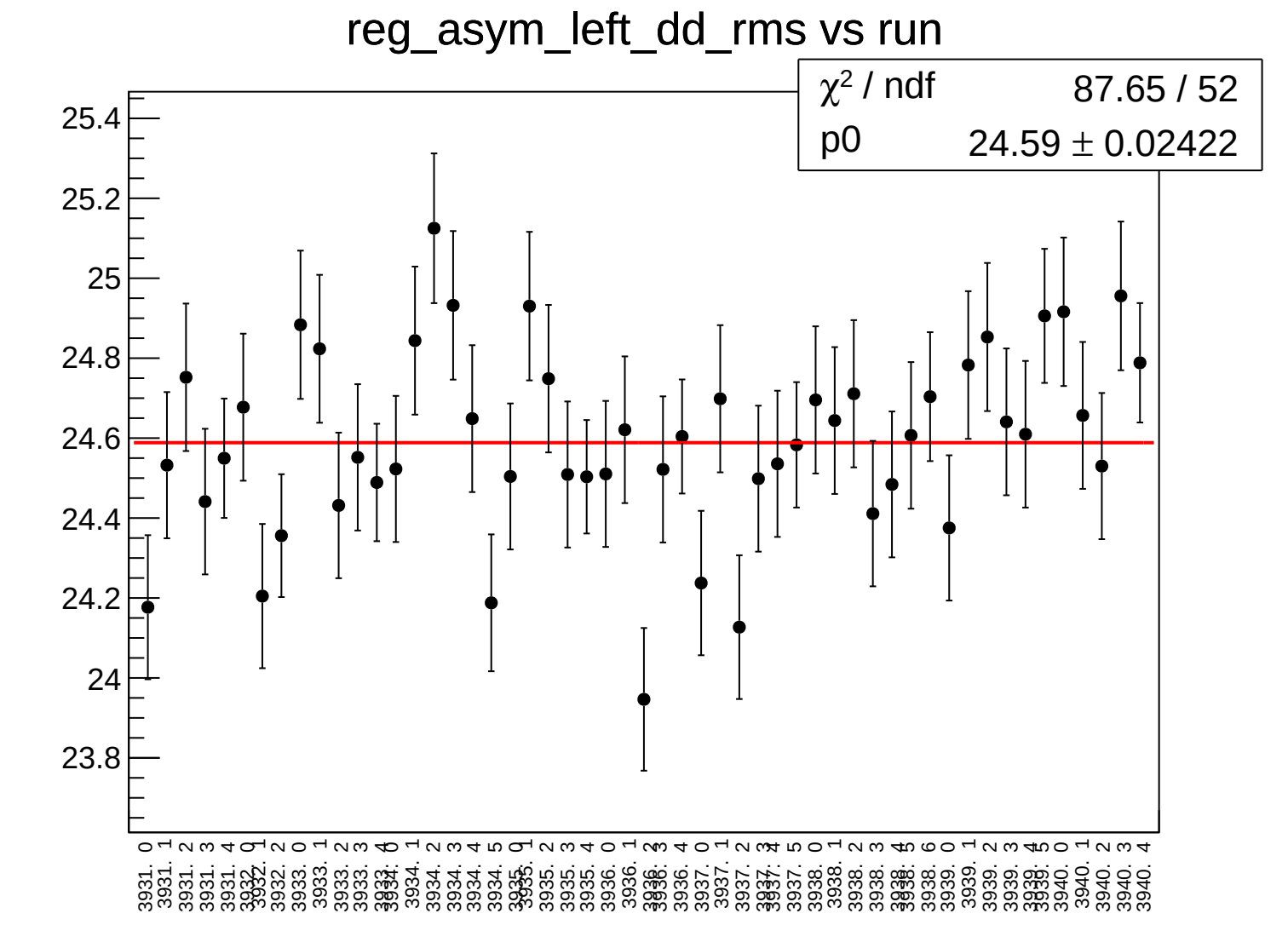
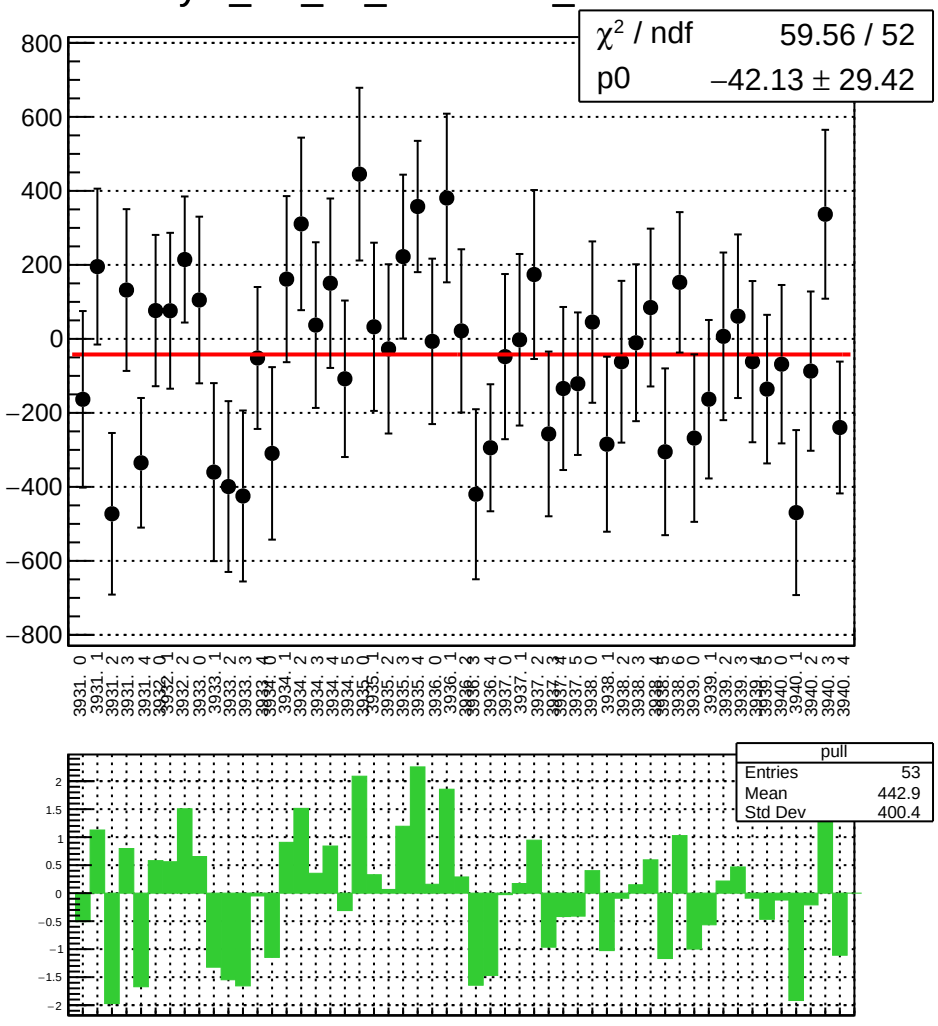
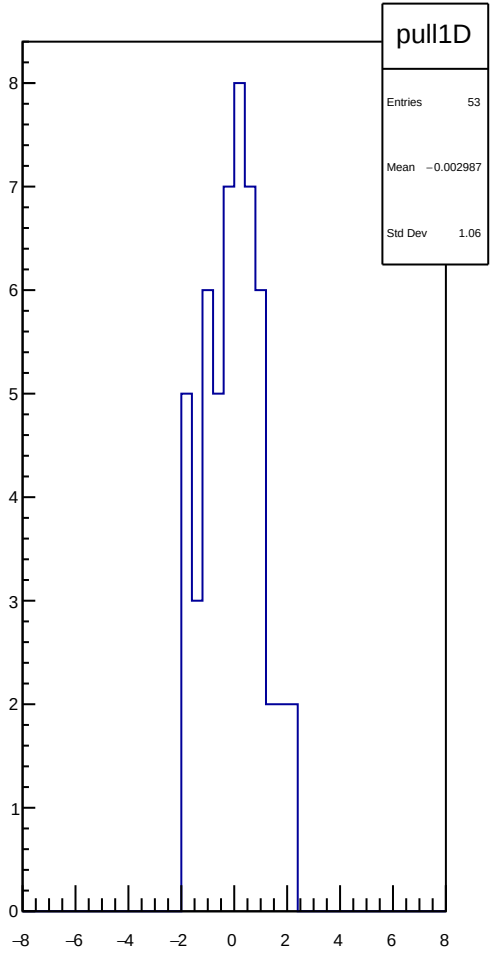
3940. 2
3940. 3
3940. 4

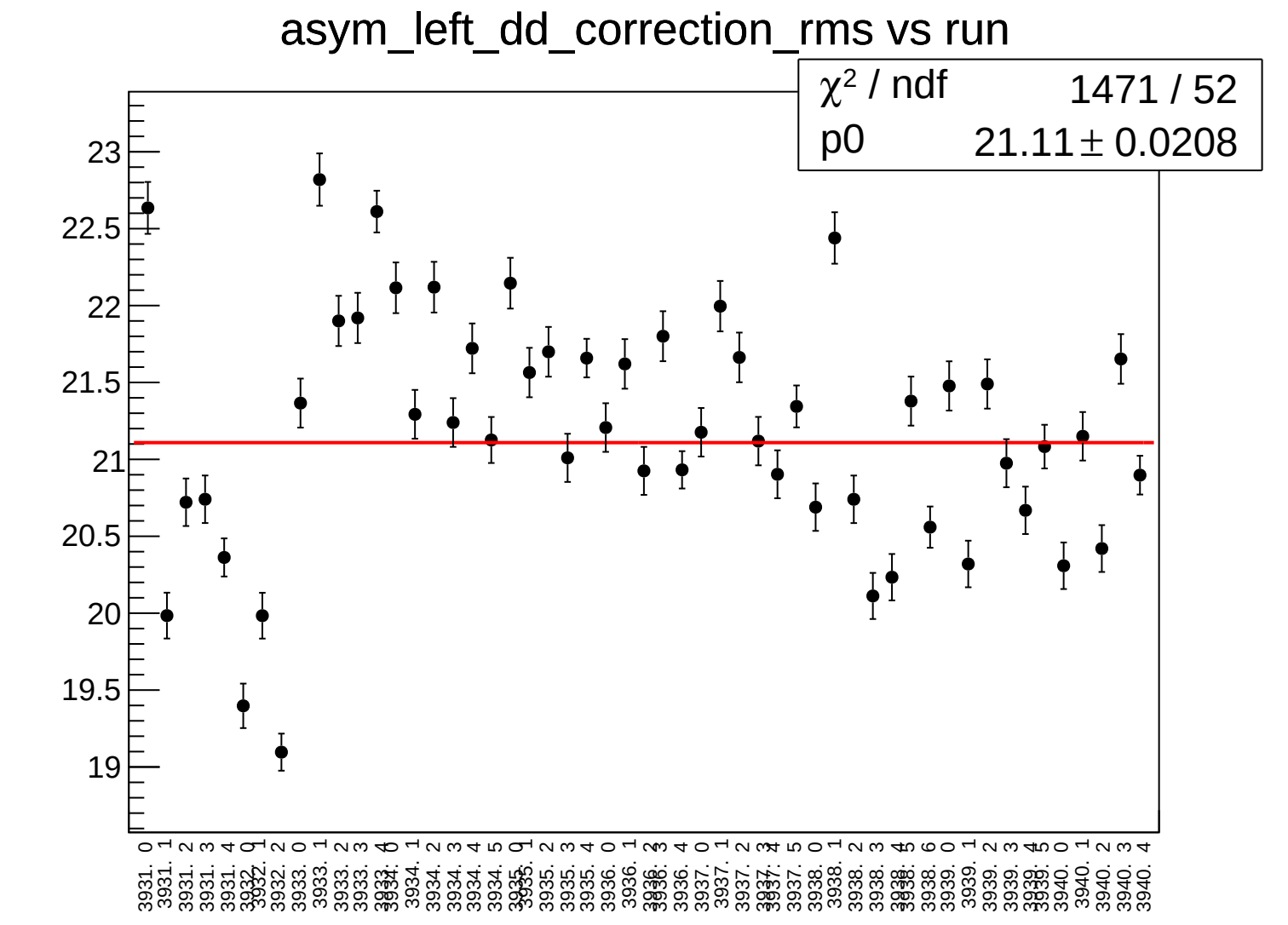

reg_asym_left_dd_mean vs run
χ^2 / ndf 58.69 / 52
p0 28.63 ± 34.25
1000
500
0
−500
−1000
pull
Entries 53
Mean −187.8
Std Dev 213.9
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.009558
Std Dev 1.052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_left_dd_rms vs run
χ² / ndf 87.65 / 52
p0 24.59 ± 0.02422
25.4
25.2
25
24.8
24.6
24.4
24.2
24
23.8
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_left_dd_correction_mean vs run
χ² / ndf 59.56 / 52
p0 −42.13 ± 29.42
pull
Entries 53
Mean 442.9
Std Dev 400.4


pull1D
Entries 53
Mean −0.002987
Std Dev 1.06


asym_left_dd_correction_rms vs run
χ² / ndf 1471 / 52
p0 21.11 ± 0.0208
23
22.5
22
21.5
21
20.5
20
19.5
19
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
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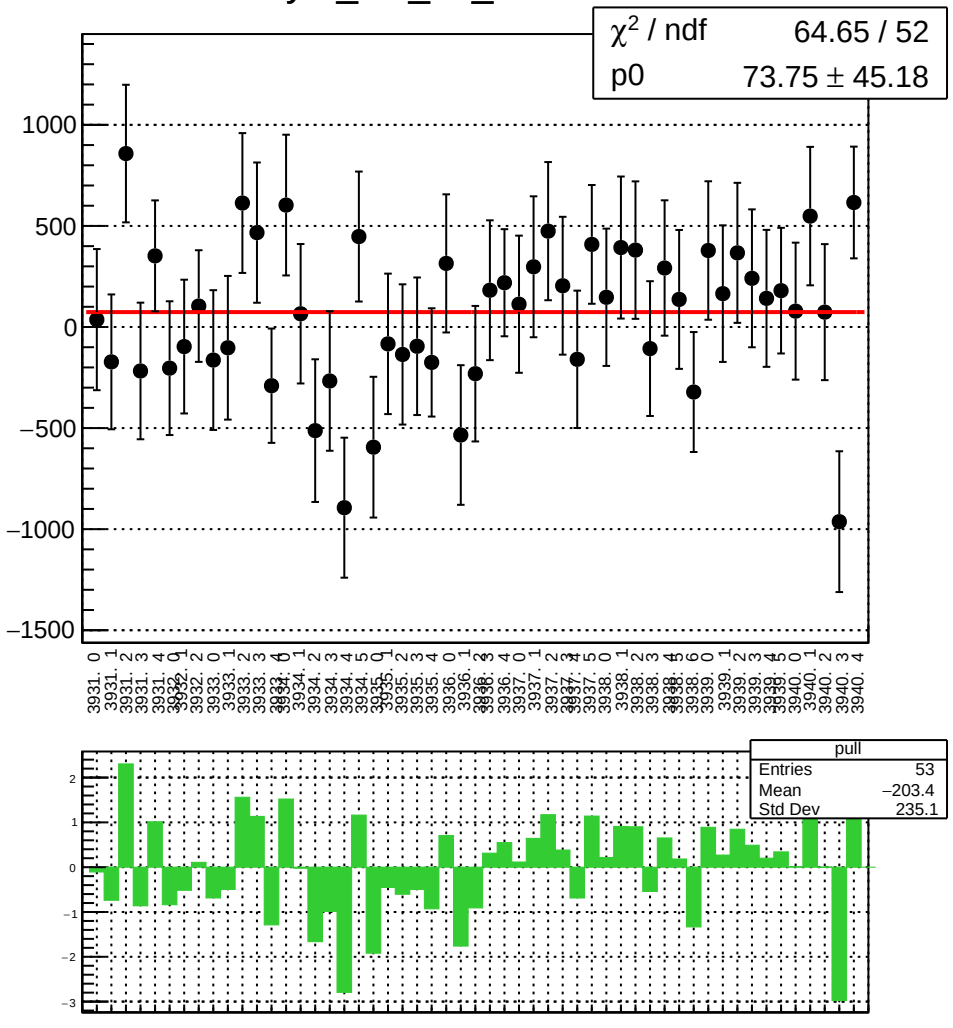
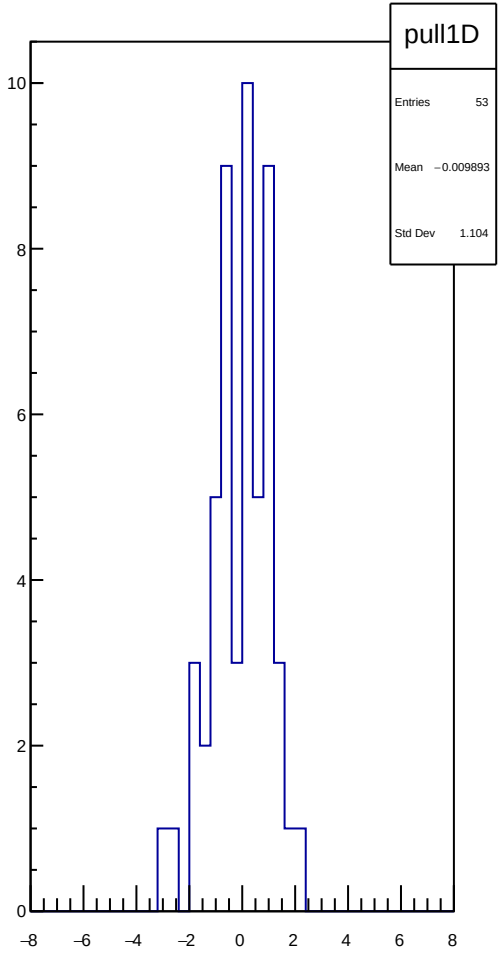
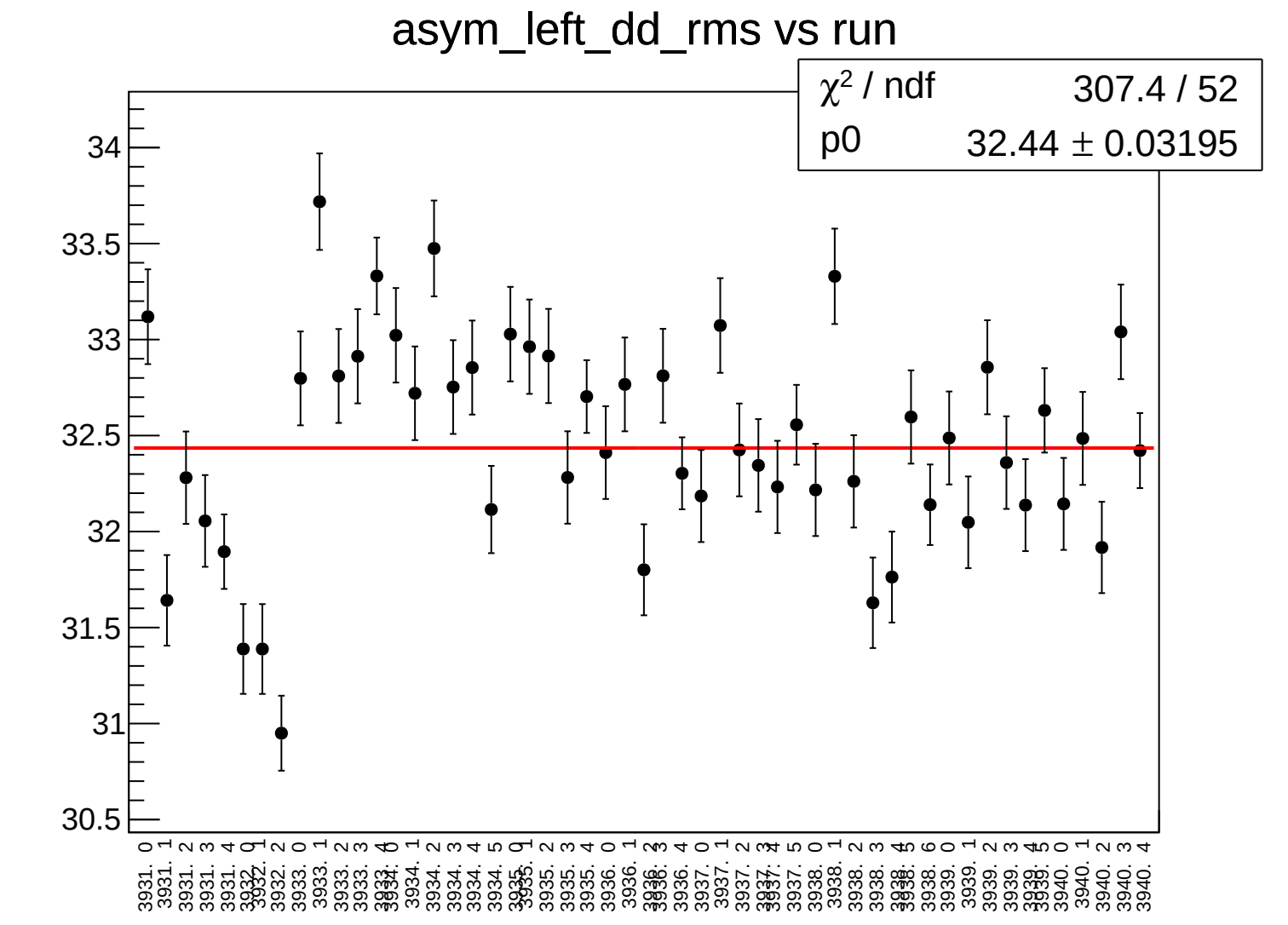
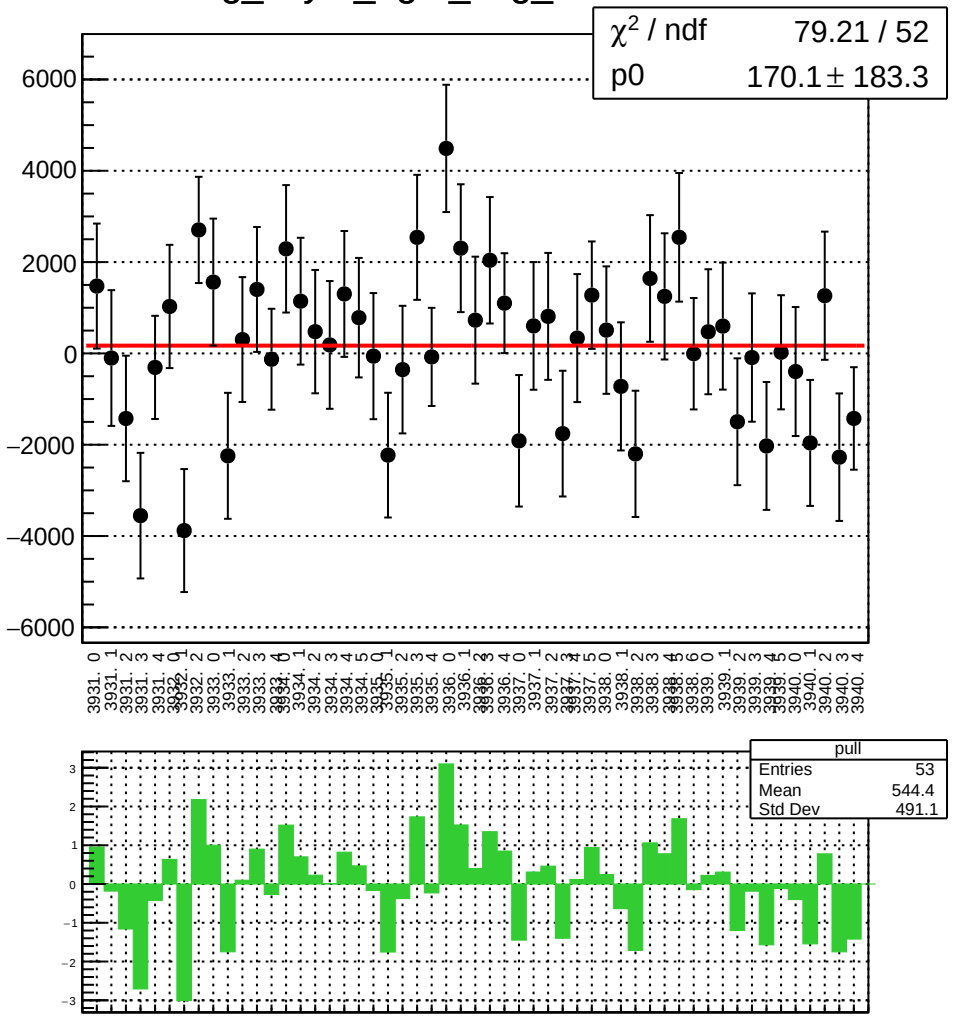
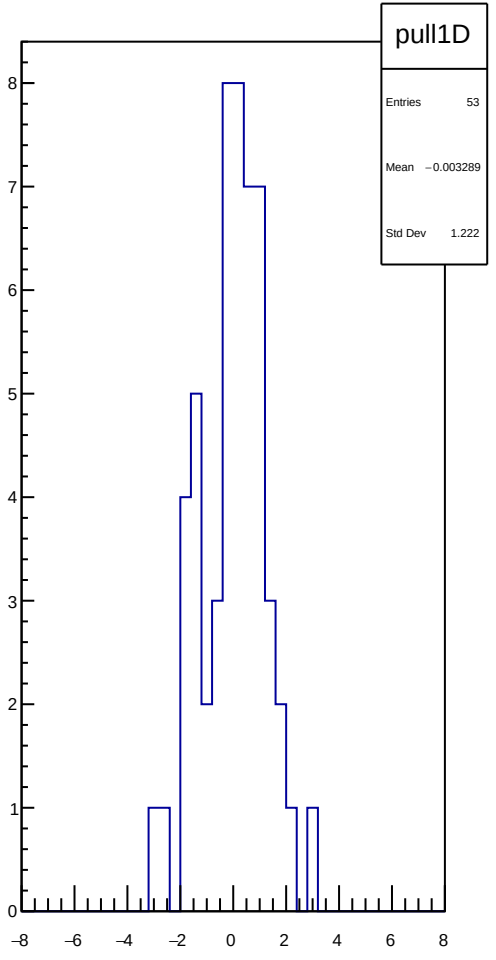
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

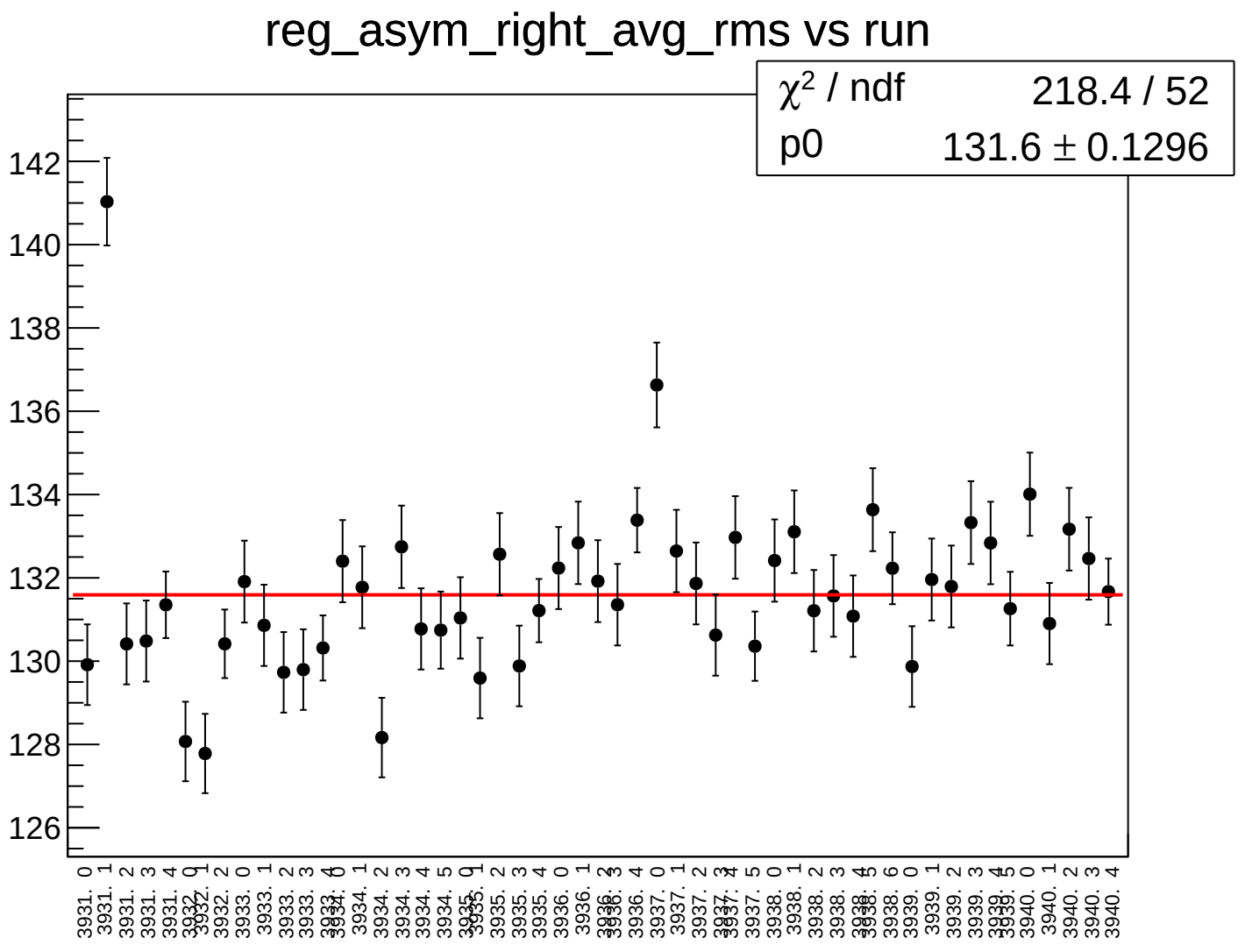

asym_left_dd_mean vs run
χ² / ndf 64.65 / 52
p0 73.75 ± 45.18
pull
Entries 53
Mean −203.4
Std Dev 235.1

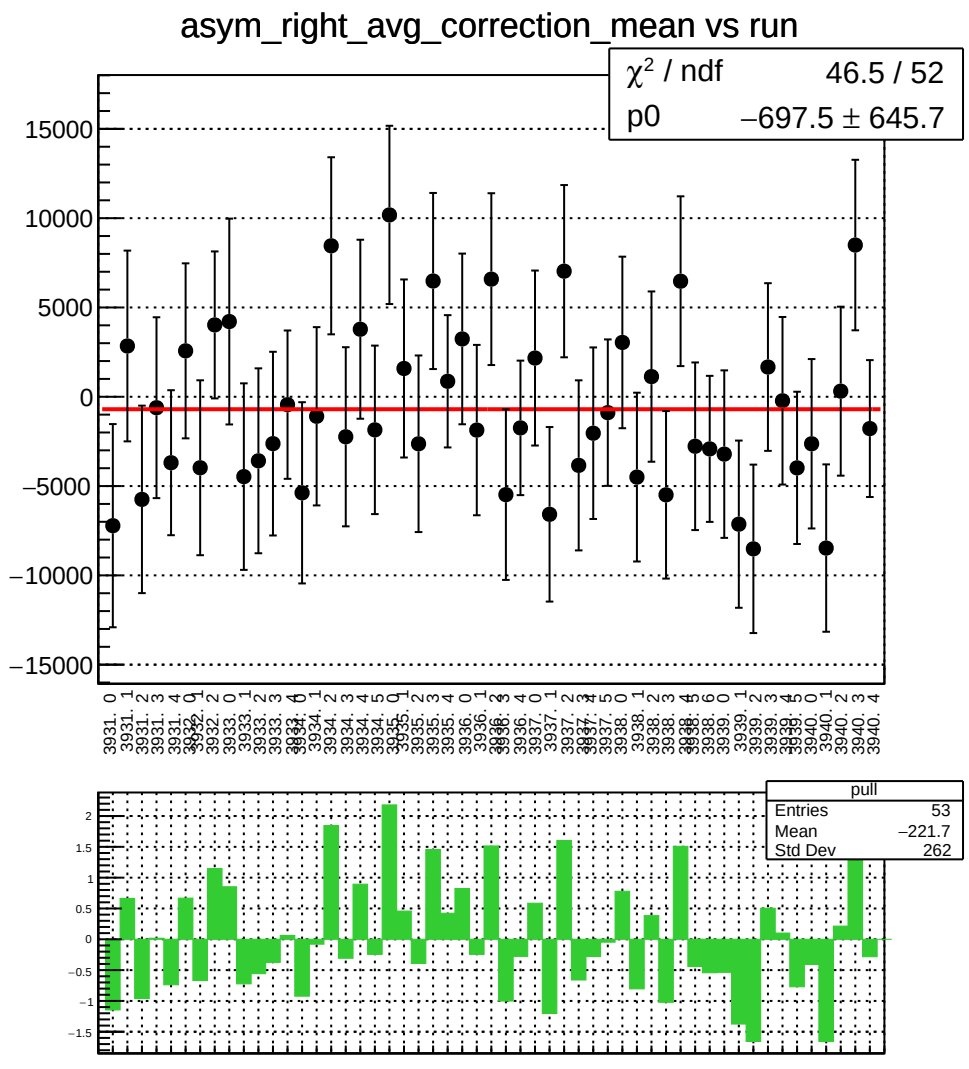

pull1D
Entries 53
Mean −0.009893
Std Dev 1.104

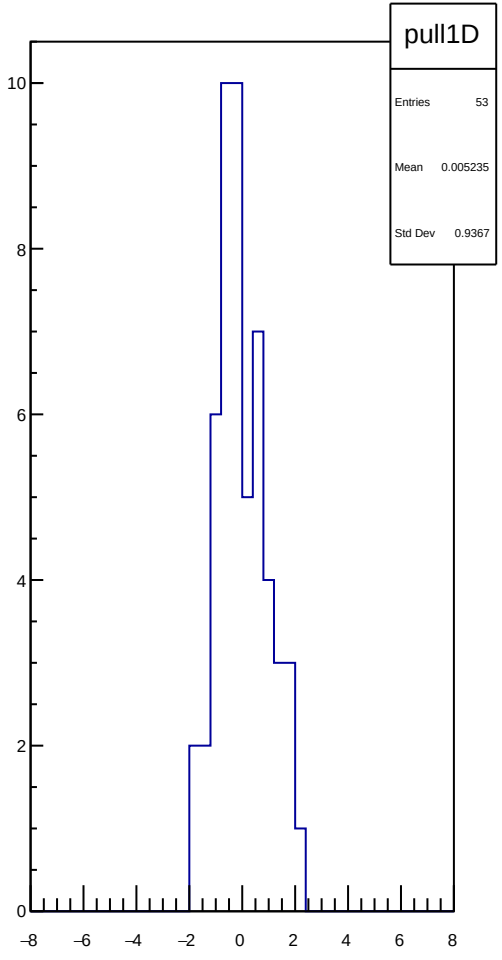

asym_left_dd_rms vs run
χ² / ndf 307.4 / 52
p0 32.44 ± 0.03195
34
33.5
33
32.5
32
31.5
31
30.5
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

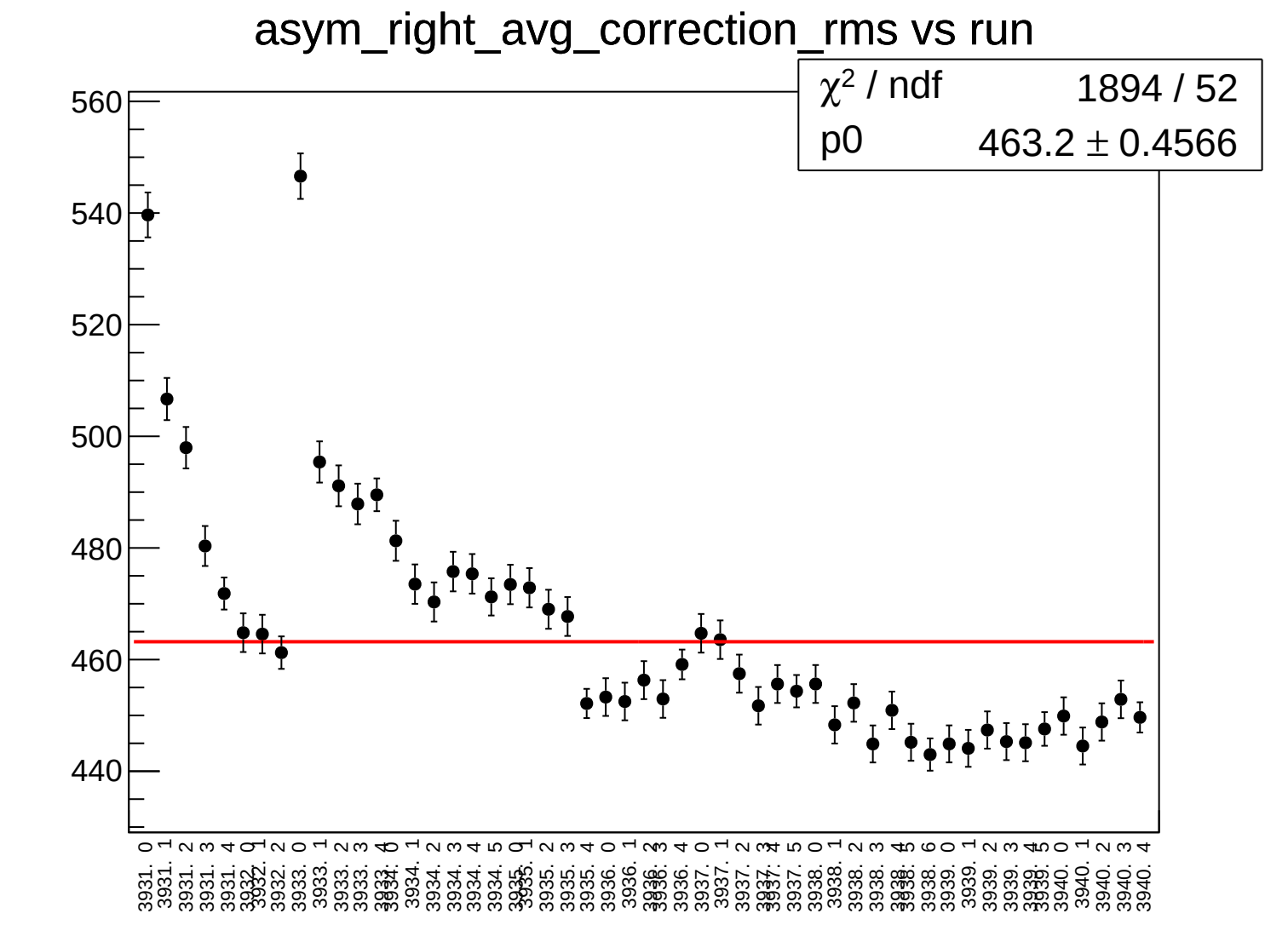

reg_asym_right_avg_mean vs run
χ² / ndf 79.21 / 52
p0 170.1 ± 183.3
pull
Entries 53
Mean 544.4
Std Dev 491.1

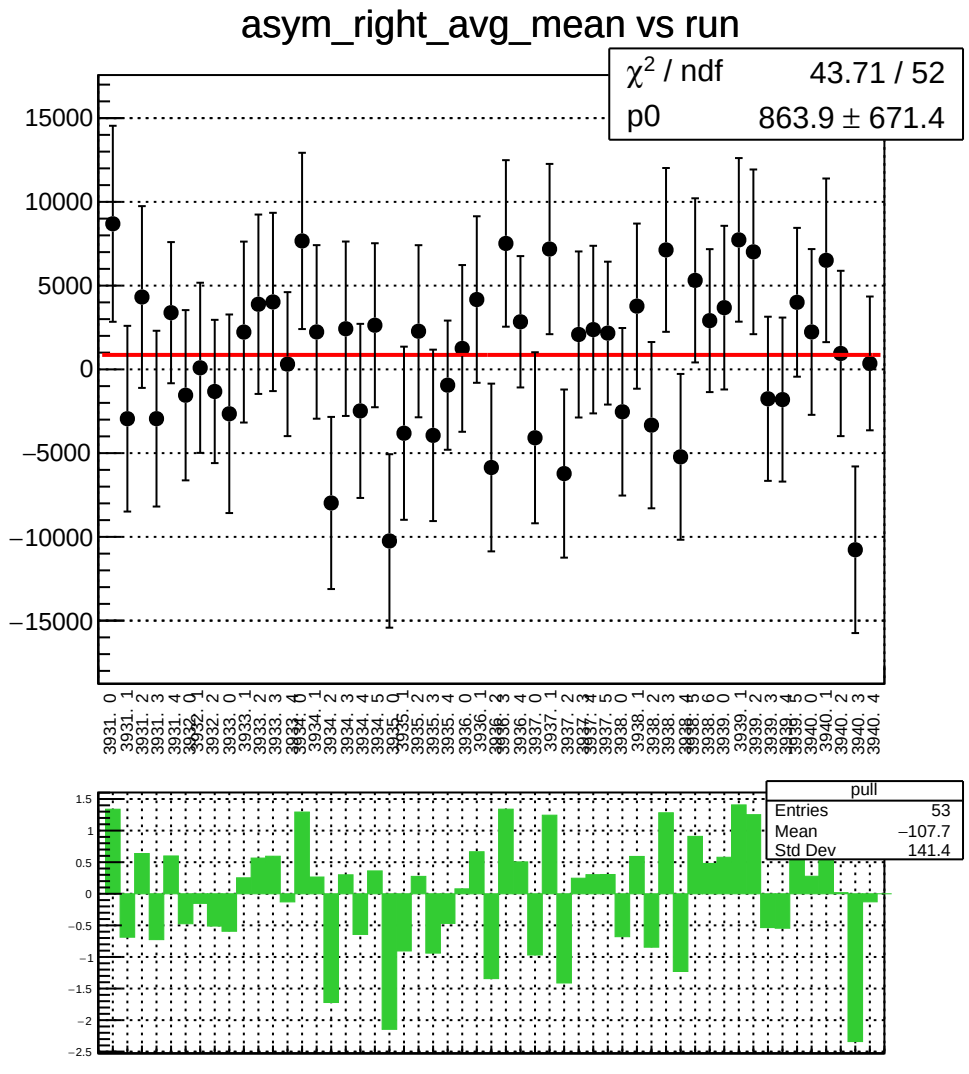

pull1D
Entries 53
Mean −0.003289
Std Dev 1.222

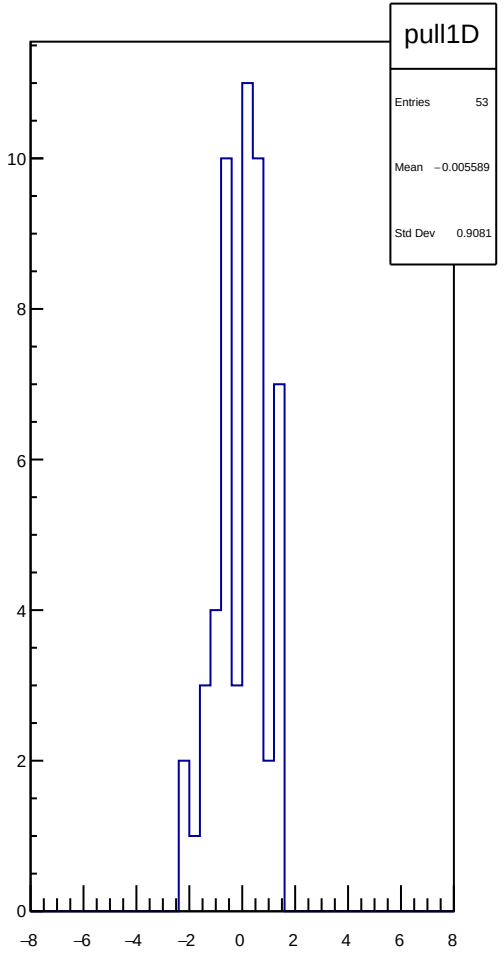

reg_asym_right_avg_rms vs run
χ² / ndf 218.4 / 52
p0 131.6 ± 0.1296
142
140
138
136
134
132
130
128
126
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

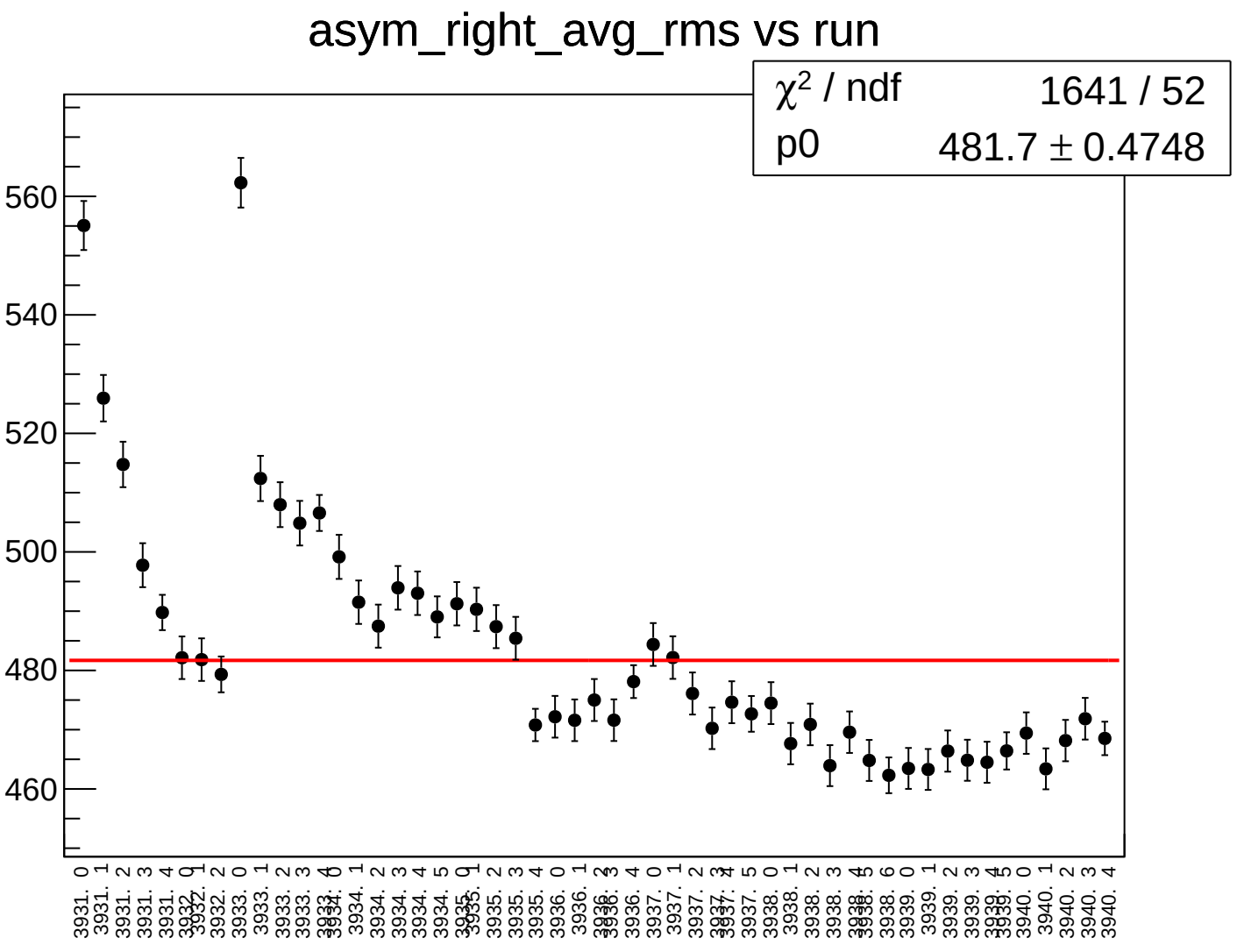

asym_right_avg_correction_mean vs run
χ² / ndf 46.5 / 52
p0 −697.5 ± 645.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −221.7
Std Dev 262
2
1.5
1
0.5
0
−0.5
−1
−1.5

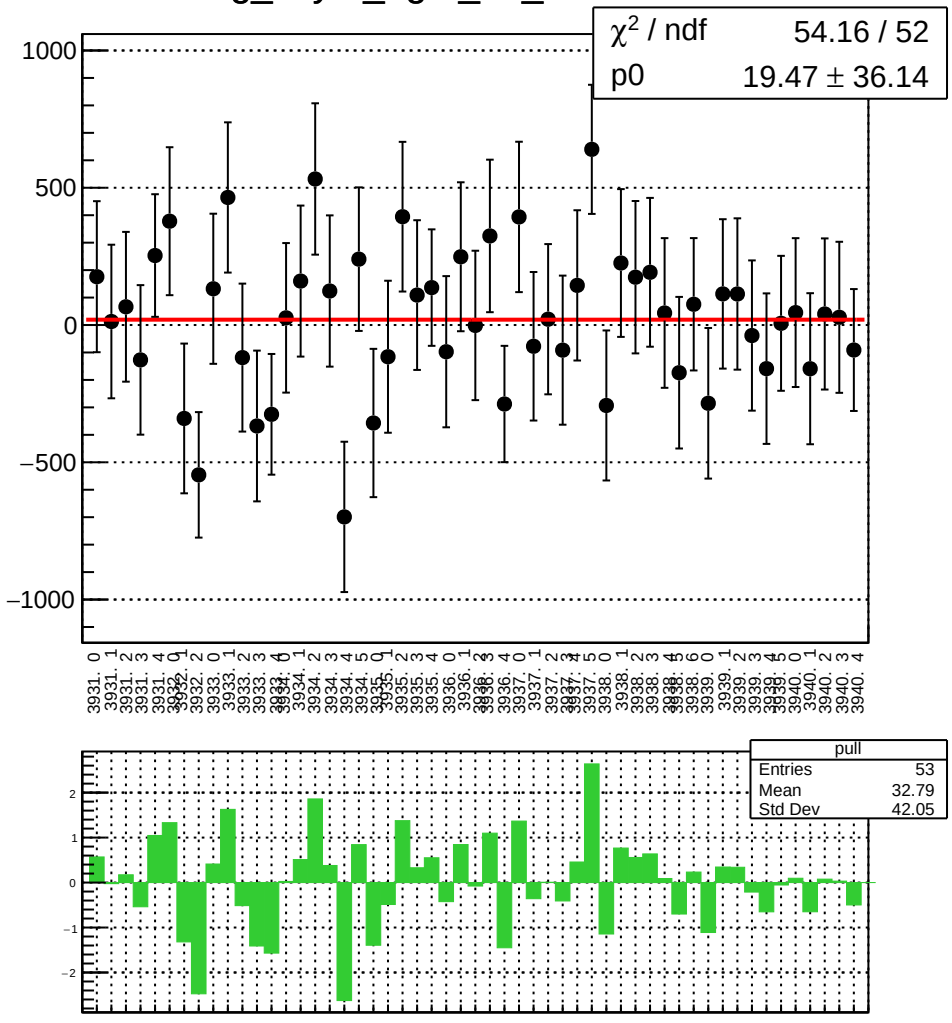

pull1D
Entries 53
Mean 0.005235
Std Dev 0.9367
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

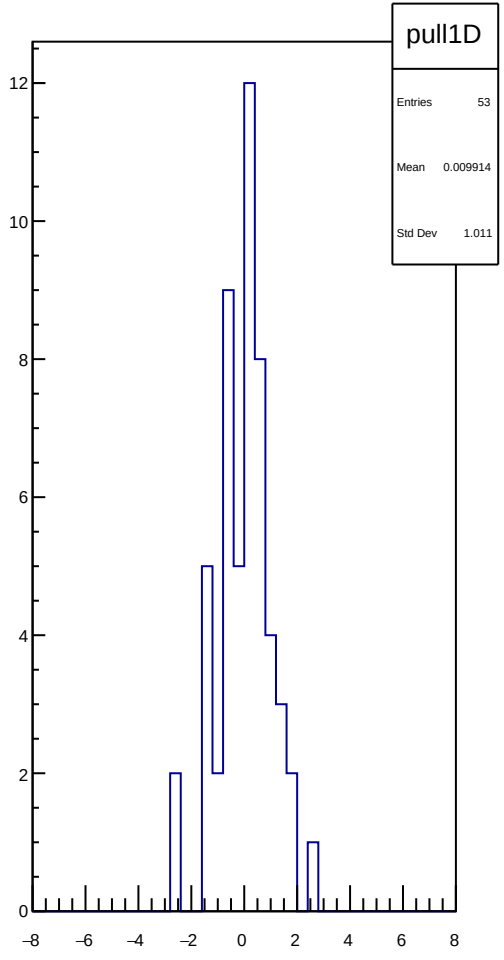

asym_right_avg_correction_rms vs run
χ² / ndf 1894 / 52
p0 463.2 ± 0.4566
560
540
520
500
480
460
440

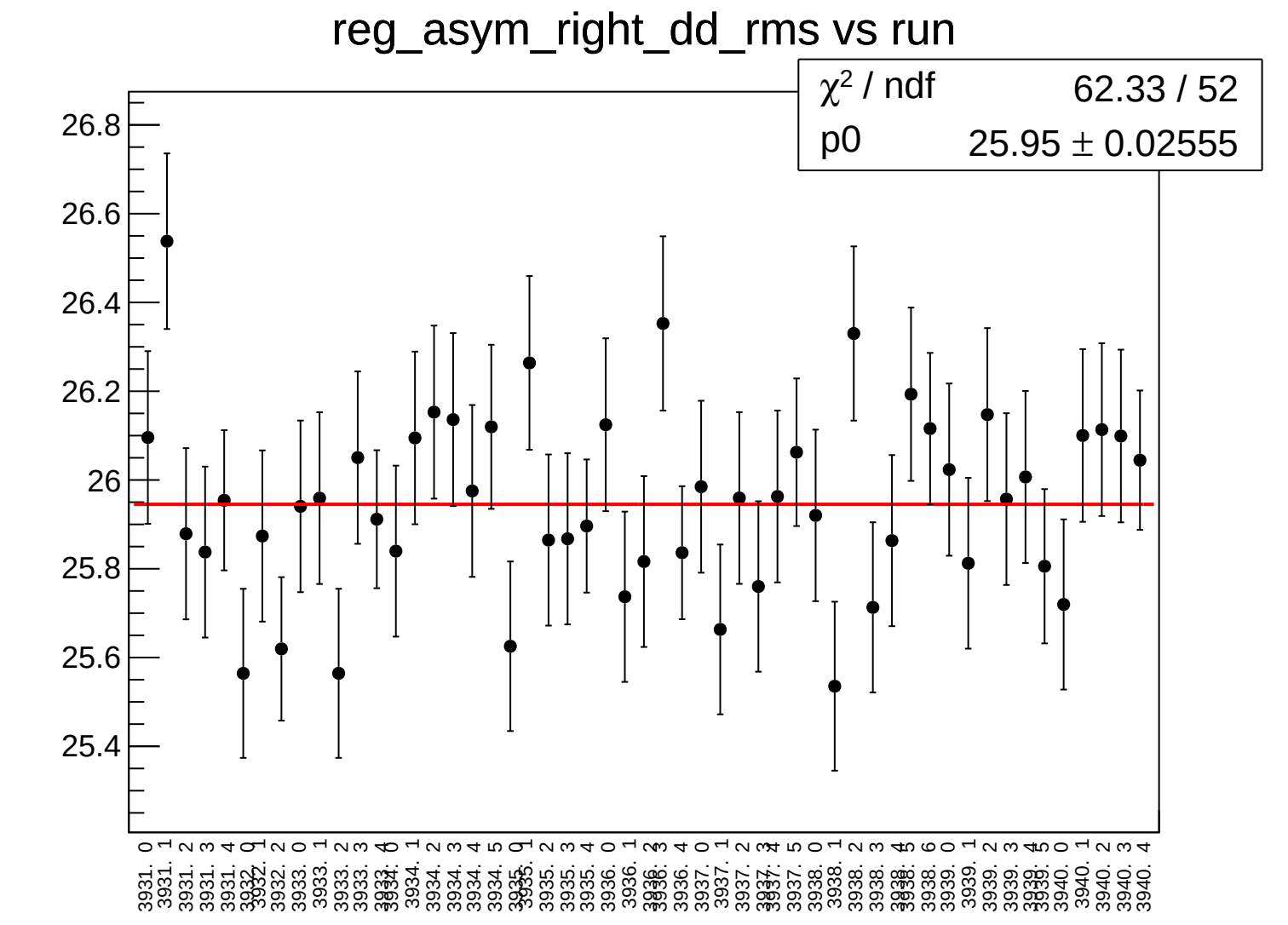

asym_right_avg_mean vs run
χ² / ndf 43.71 / 52
p0 863.9 ± 671.4
pull
Entries 53
Mean −107.7
Std Dev 141.4

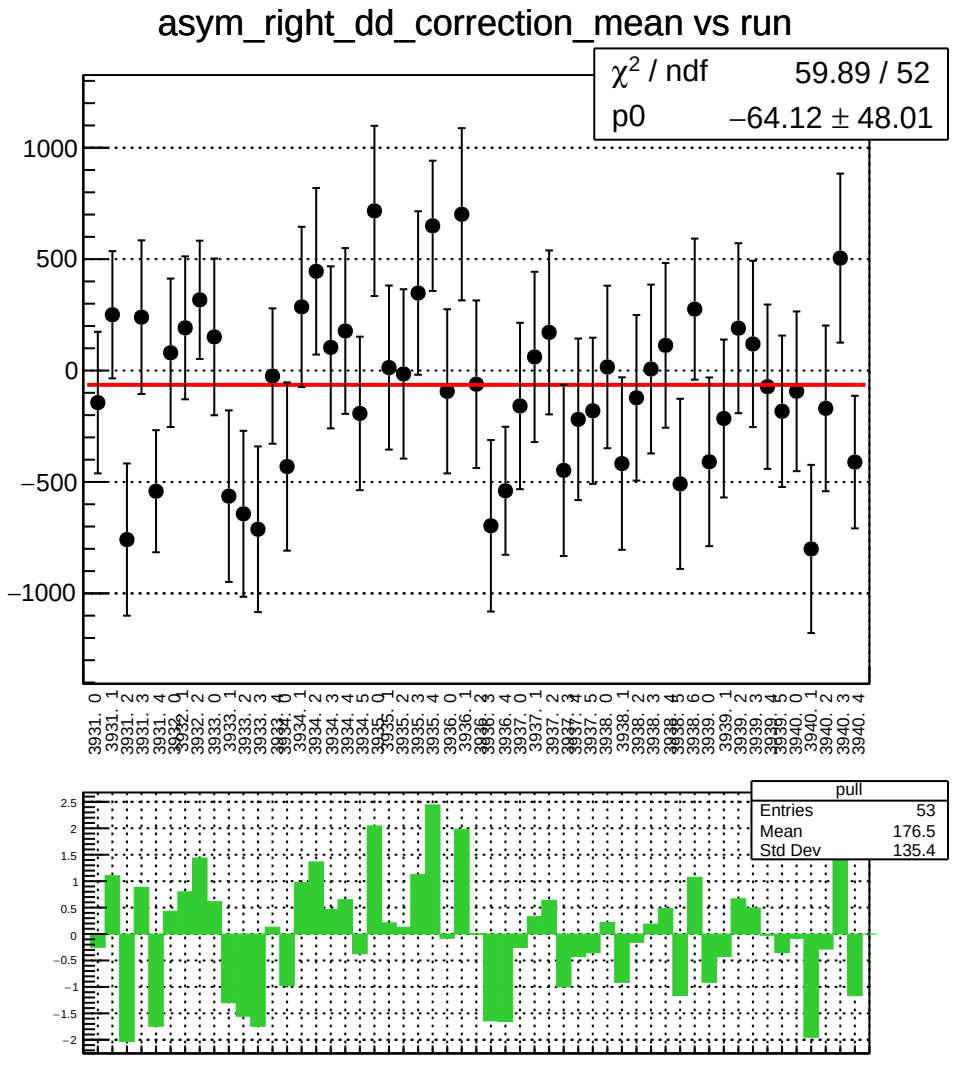

pull1D
Entries 53
Mean −0.005589
Std Dev 0.9081

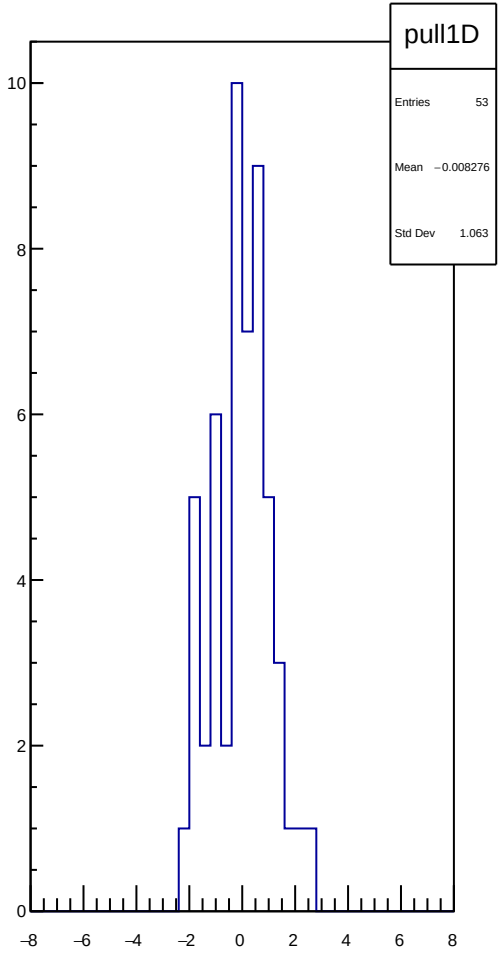

asym_right_avg_rms vs run
χ² / ndf 1641 / 52
p0 481.7 ± 0.4748
560
540
520
500
480
460
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

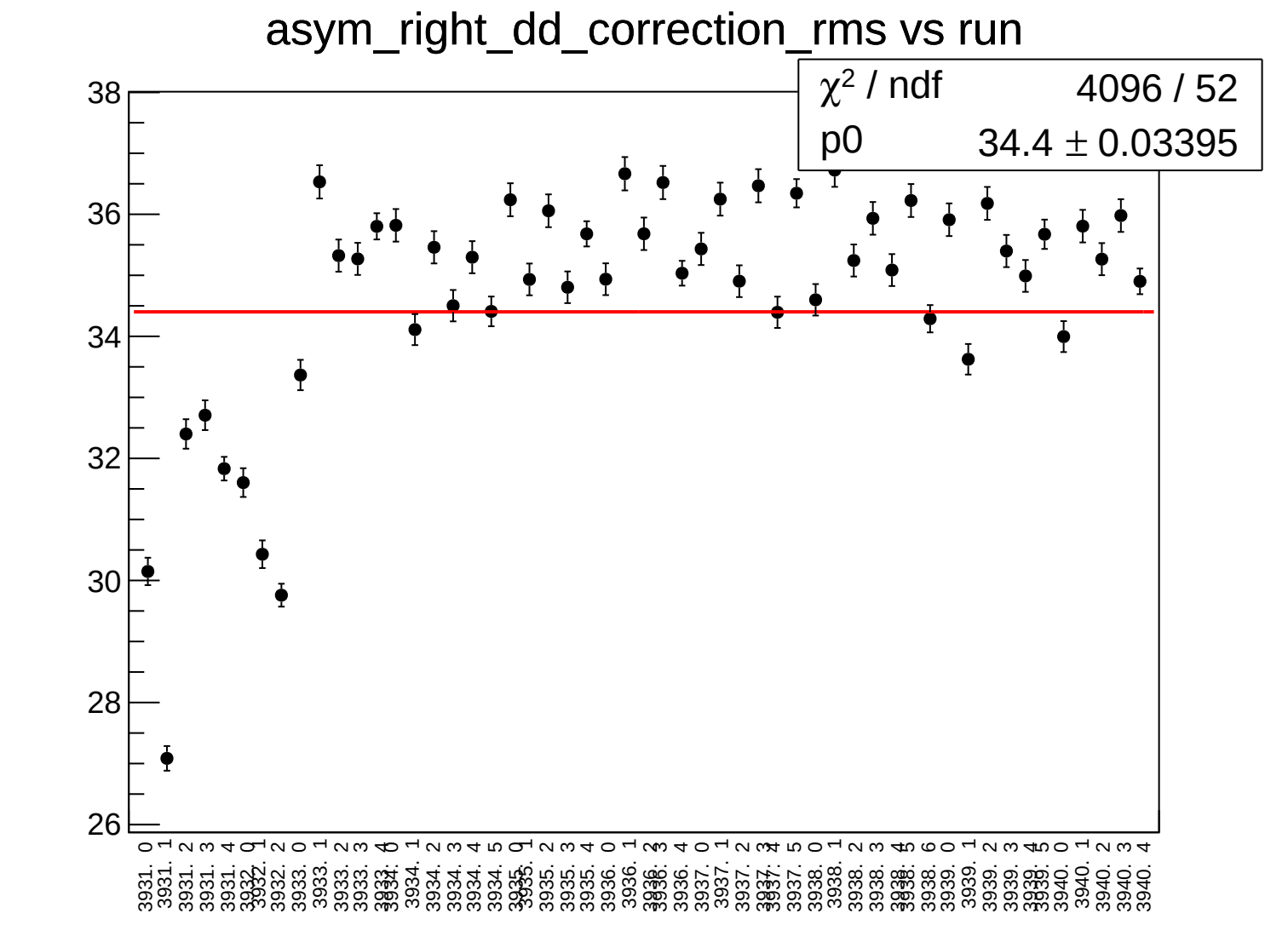

reg_asym_right_dd_mean vs run
χ² / ndf 54.16 / 52
p0 19.47 ± 36.14
1000
500
0
−500
−1000
pull
Entries 53
Mean 32.79
Std Dev 42.05
2
1
0
−1
−2

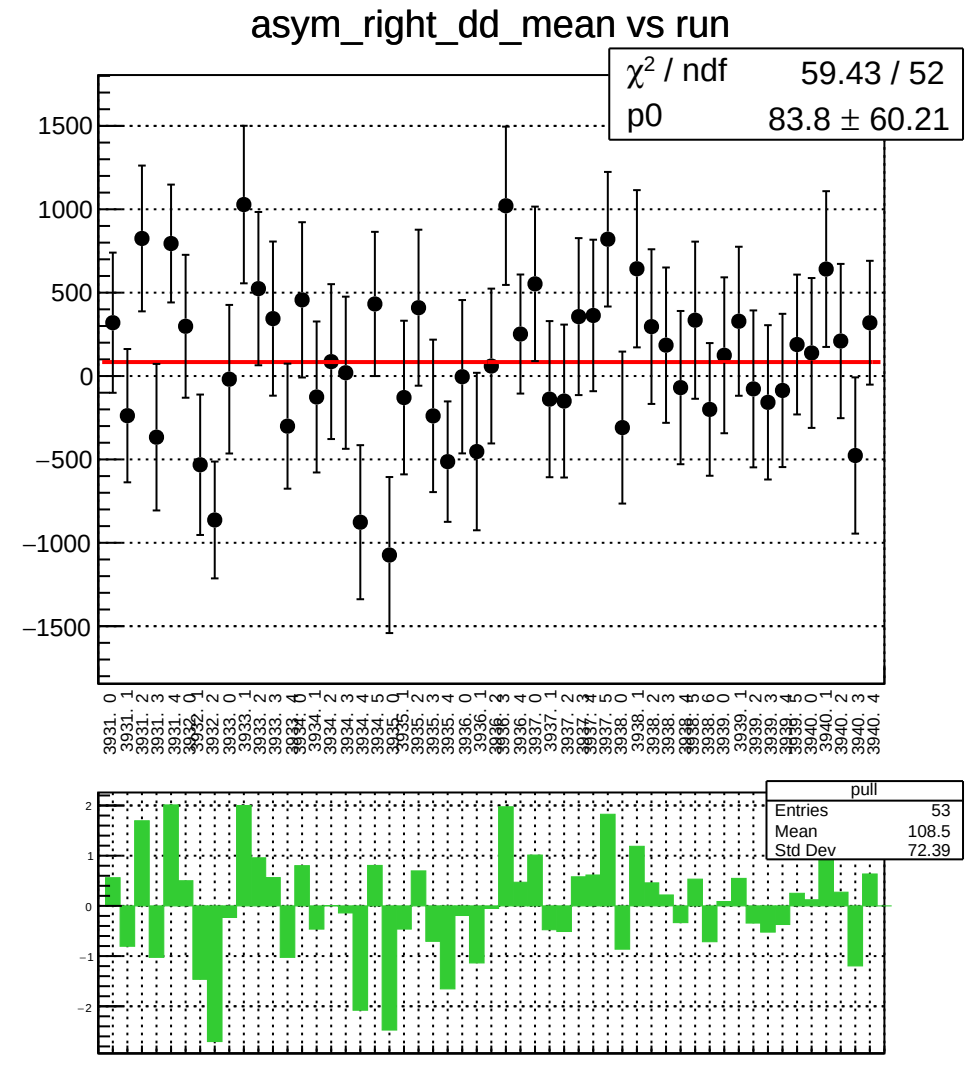

pull1D
Entries 53
Mean 0.009914
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

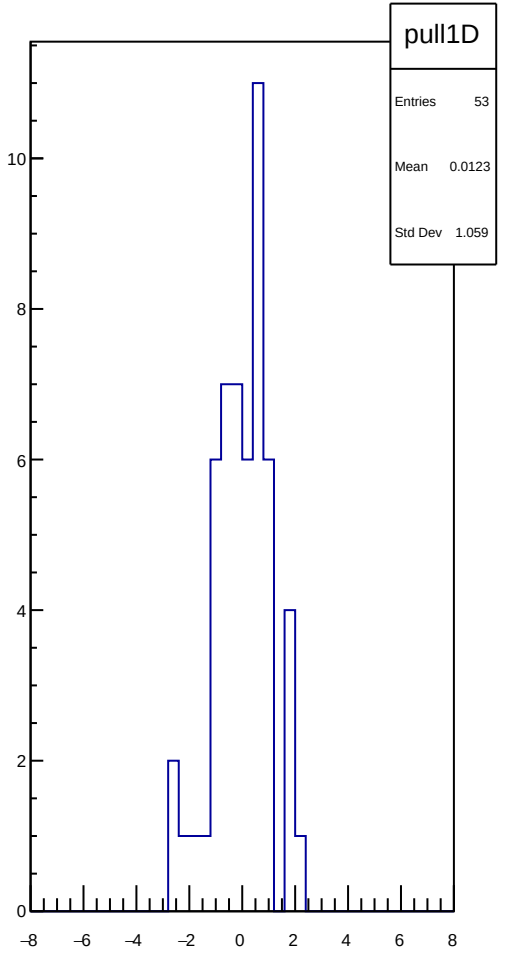

reg_asym_right_dd_rms vs run
χ² / ndf 62.33 / 52
p0 25.95 ± 0.02555
26.8
26.6
26.4
26.2
26
25.8
25.6
25.4
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

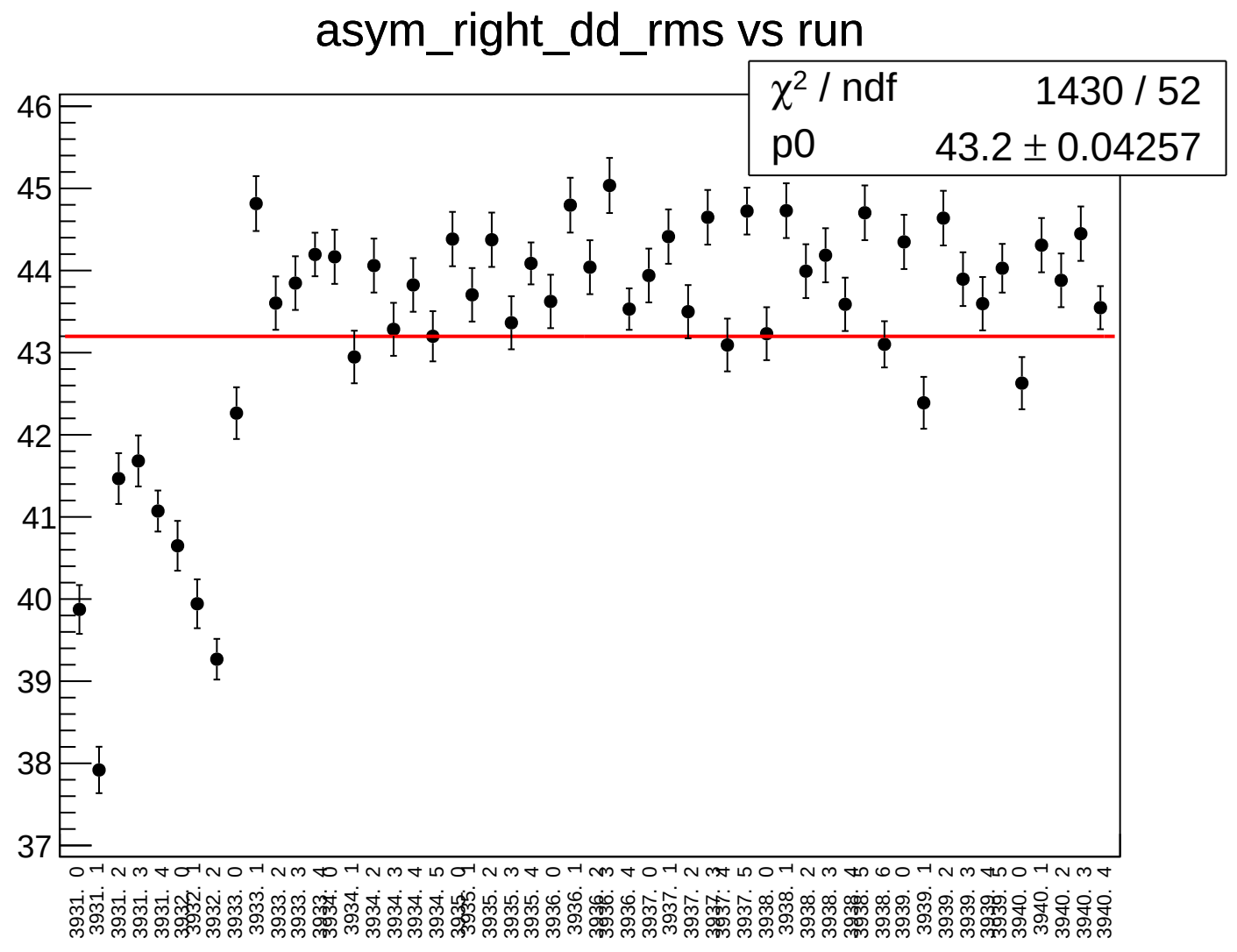

asym_right_dd_correction_mean vs run
χ² / ndf 59.89 / 52
p0 −64.12 ± 48.01
pull
Entries 53
Mean 176.5
Std Dev 135.4

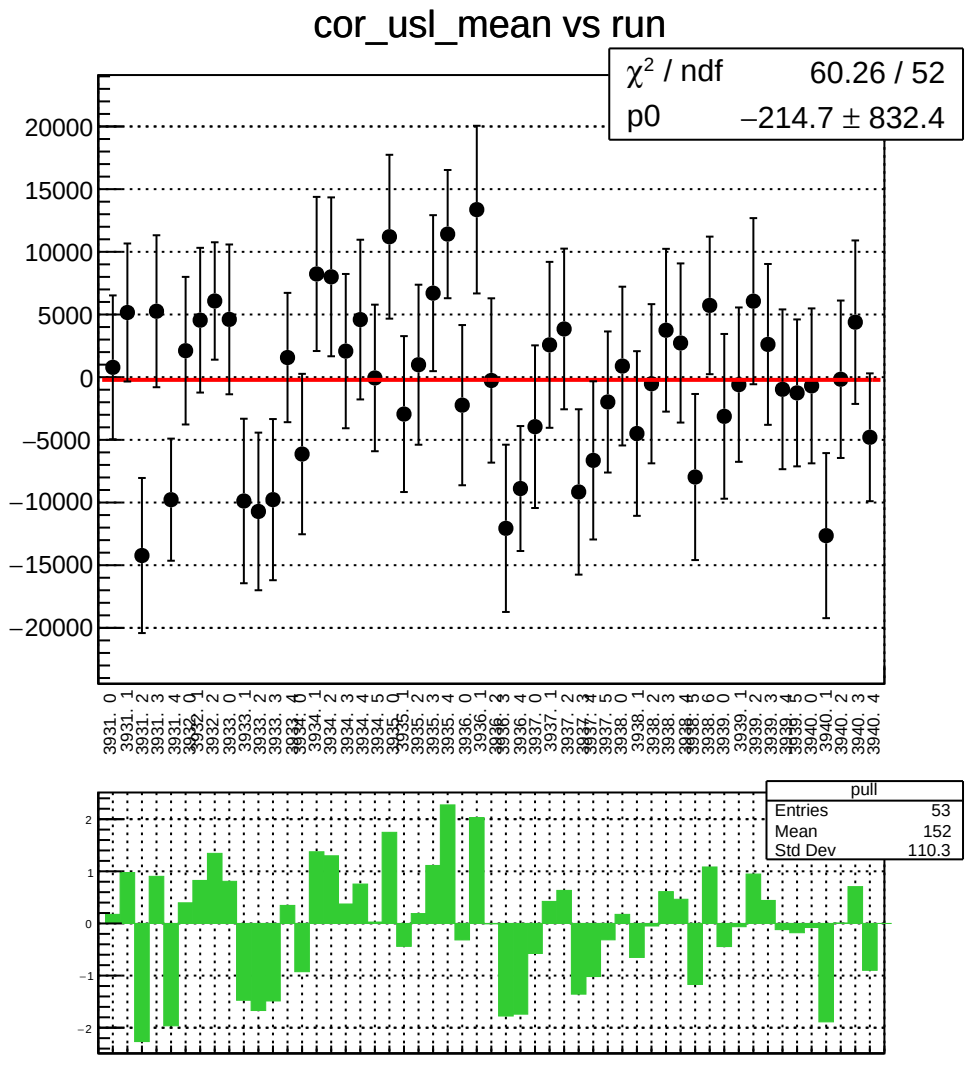

pull1D
Entries 53
Mean −0.008276
Std Dev 1.063

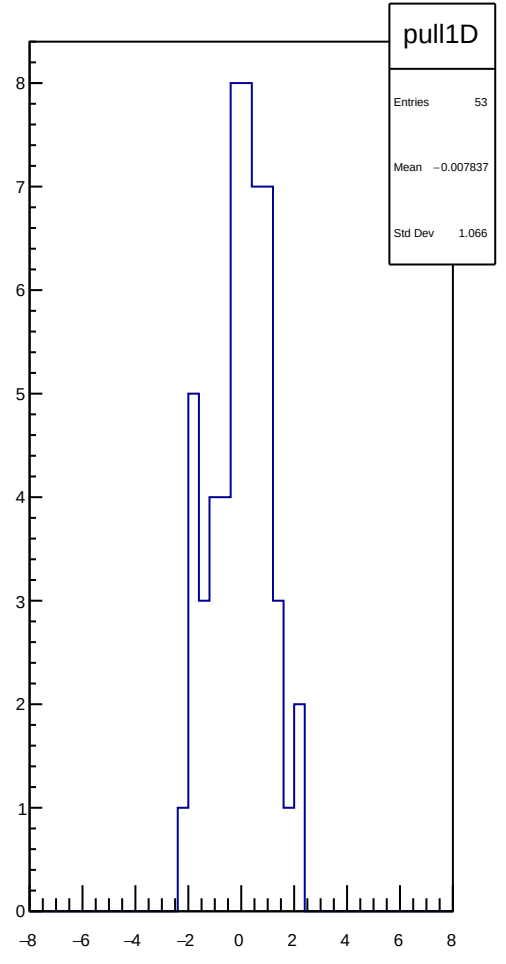

asym_right_dd_correction_rms vs run
χ² / ndf 4096 / 52
p0 34.4 ± 0.03395
38
36
34
32
30
28
26
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

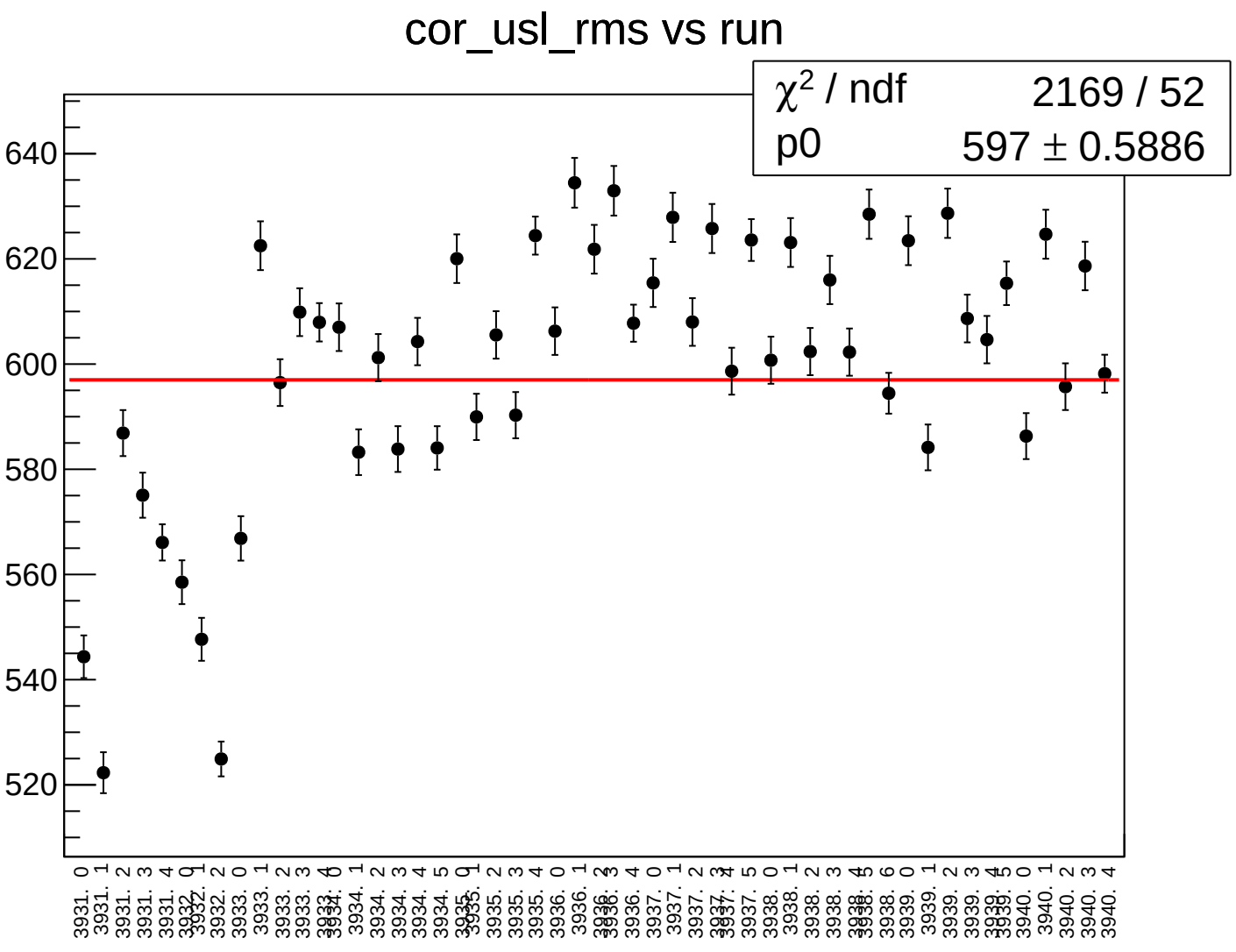

asym_right_dd_mean vs run
χ² / ndf 59.43 / 52
p0 83.8 ± 60.21
pull
Entries 53
Mean 108.5
Std Dev 72.39

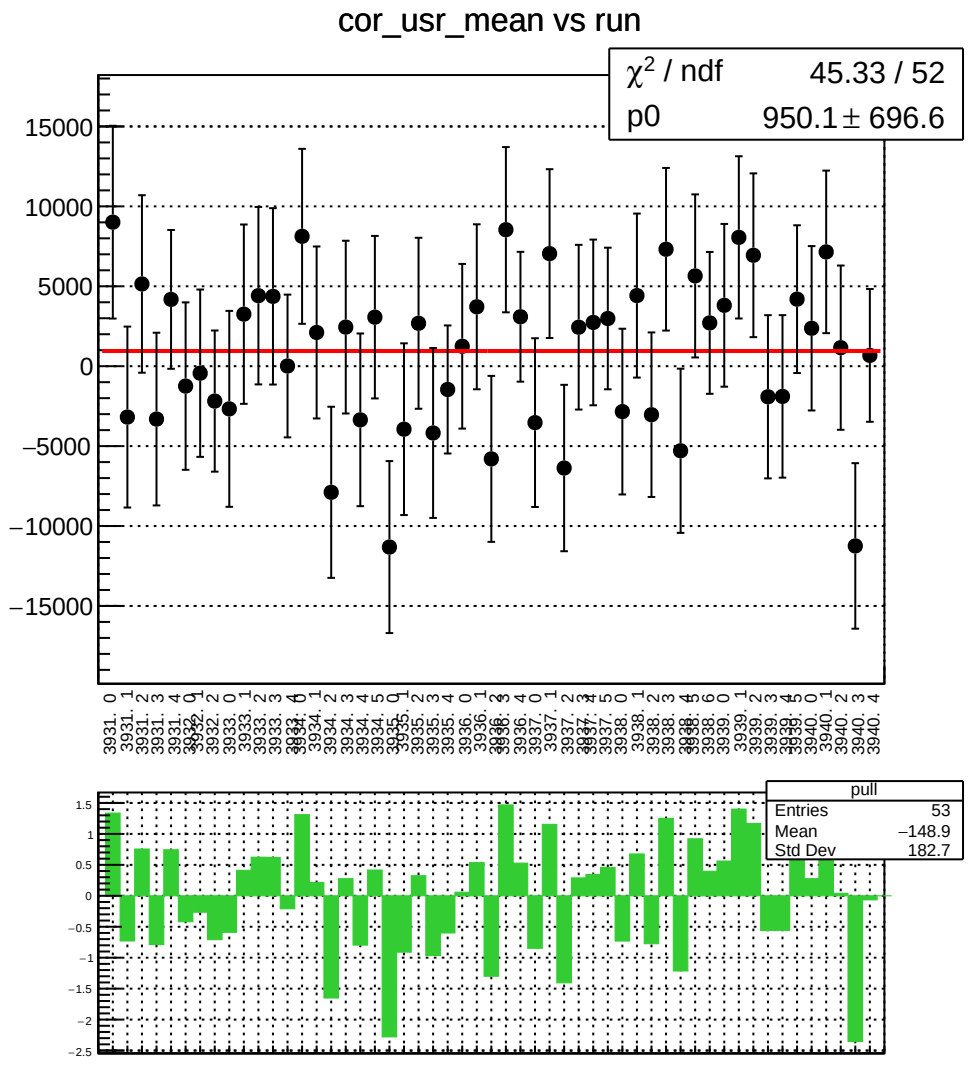

pull1D
Entries 53
Mean 0.0123
Std Dev 1.059

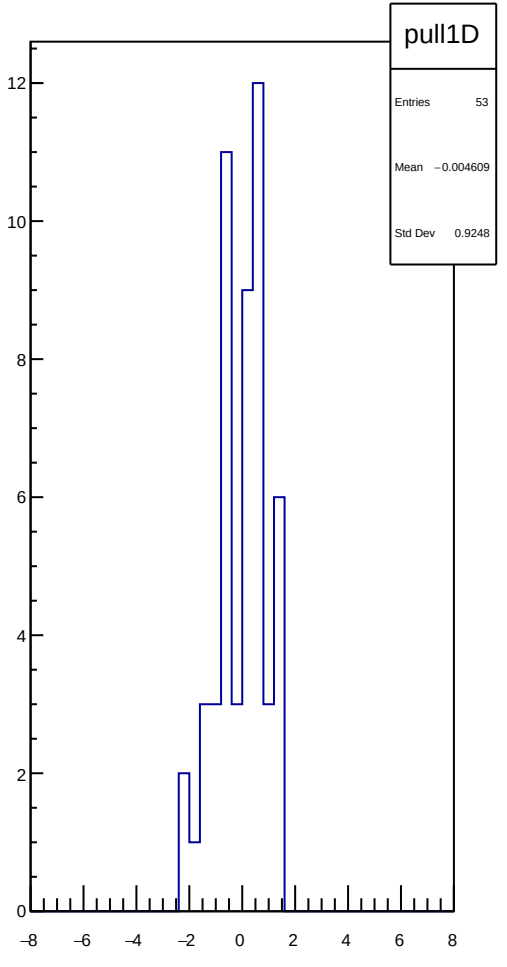

asym_right_dd_rms vs run
χ² / ndf 1430 / 52
p0 43.2 ± 0.04257
46
45
44
43
42
41
40
39
38
37
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

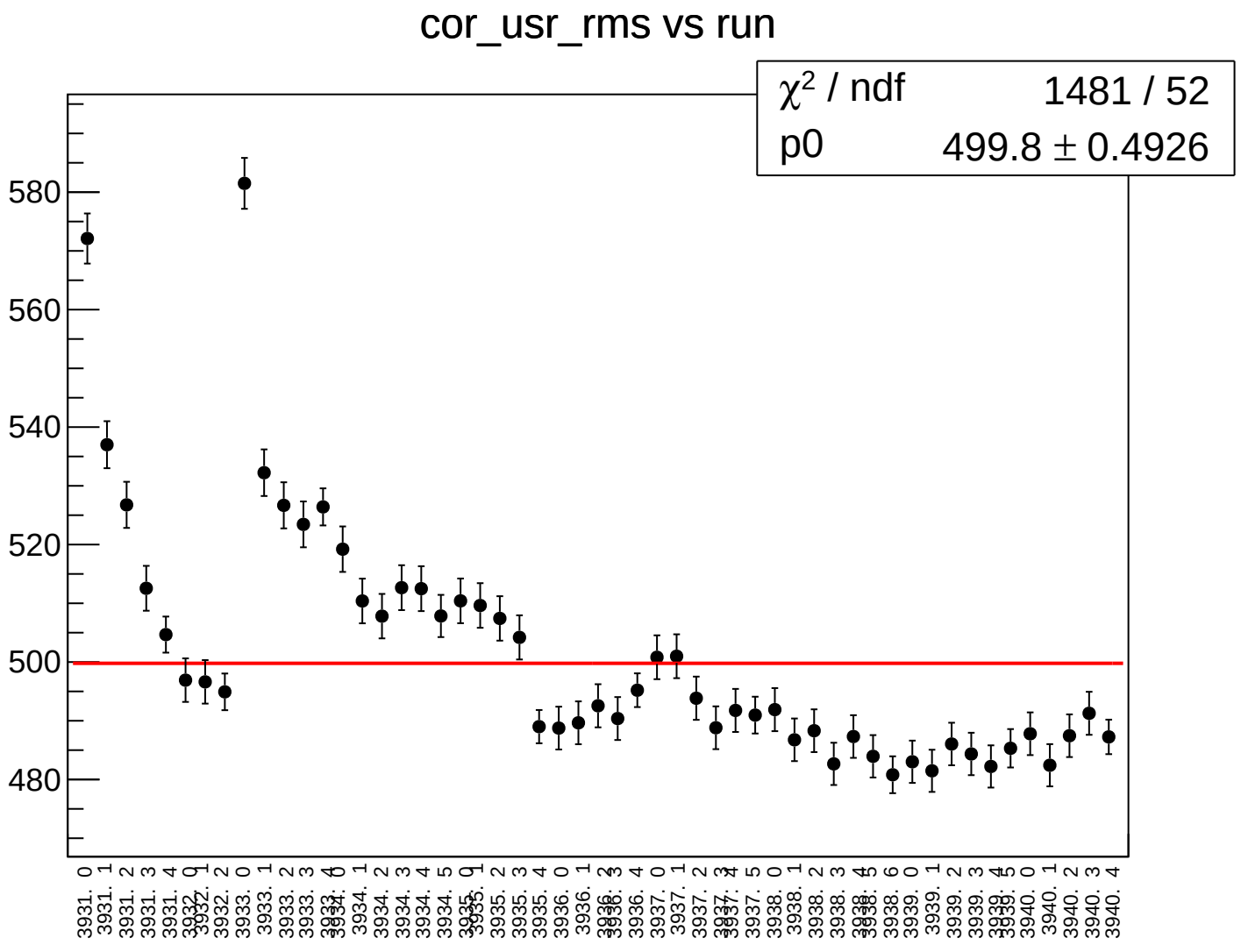

cor_usl_mean vs run
χ² / ndf 60.26 / 52
p0 −214.7 ± 832.4
pull
Entries 53
Mean 152
Std Dev 110.3

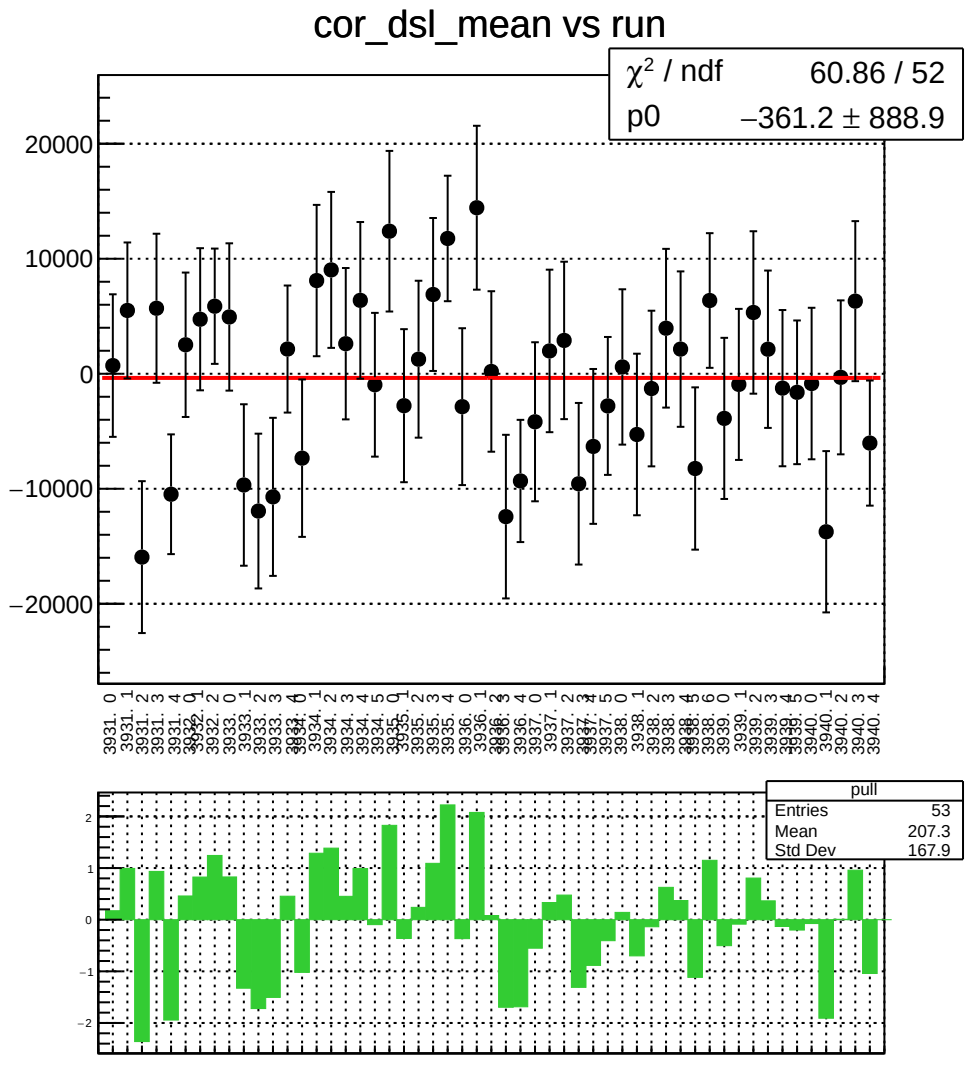

pull1D
Entries 53
Mean −0.007837
Std Dev 1.066

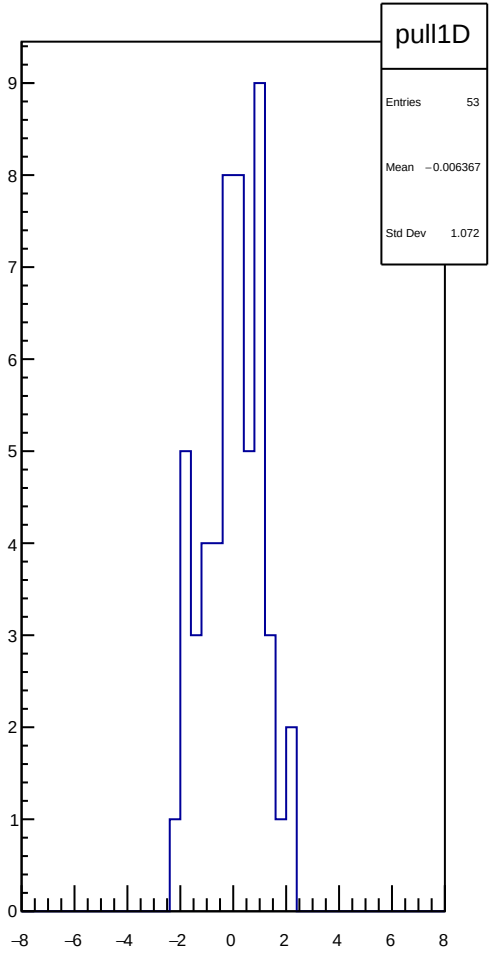

cor_usl_rms vs run
χ² / ndf 2169 / 52
p0 597 ± 0.5886
640
620
600
580
560
540
520

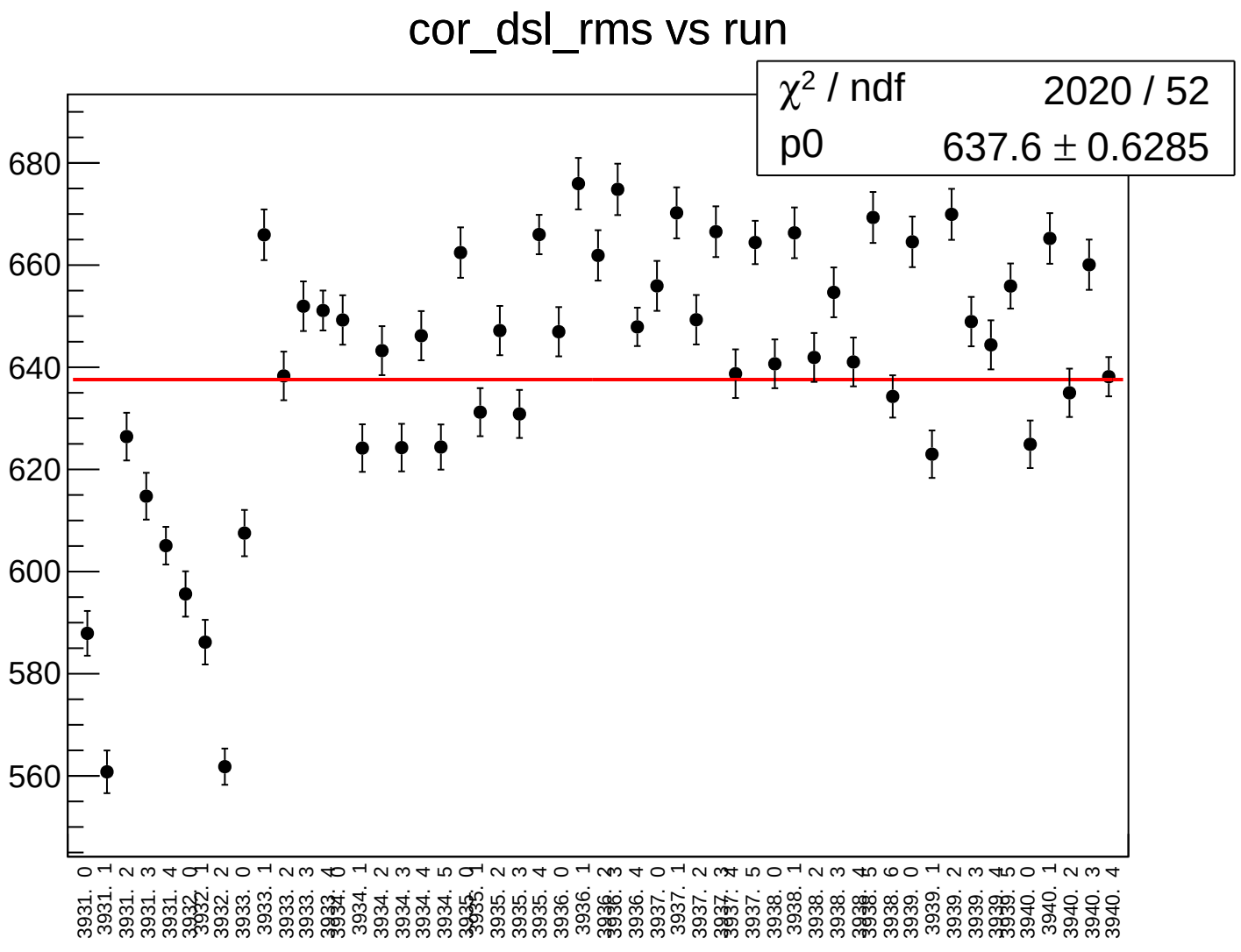

cor_usr_mean vs run
χ² / ndf 45.33 / 52
p0 950.1 ± 696.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −148.9
Std Dev 182.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

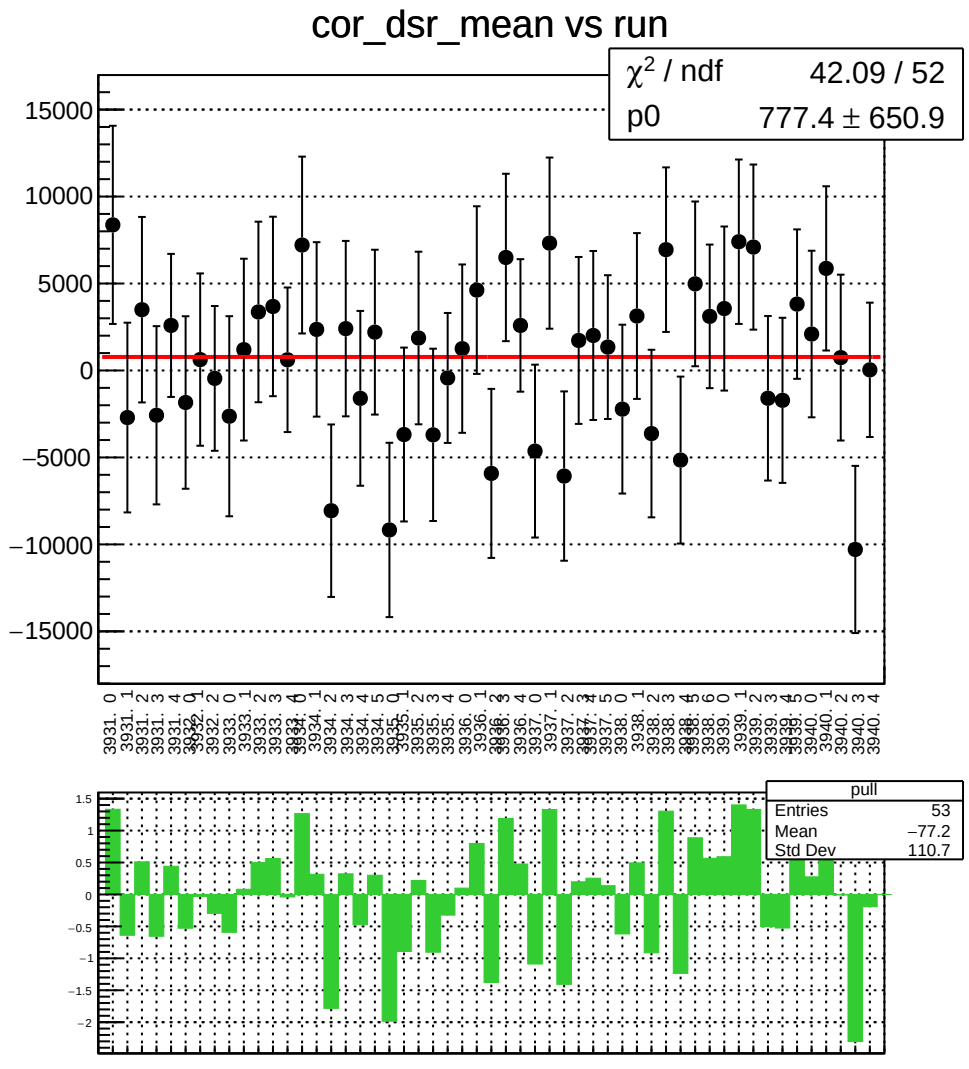

pull1D
Entries 53
Mean −0.004609
Std Dev 0.9248
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

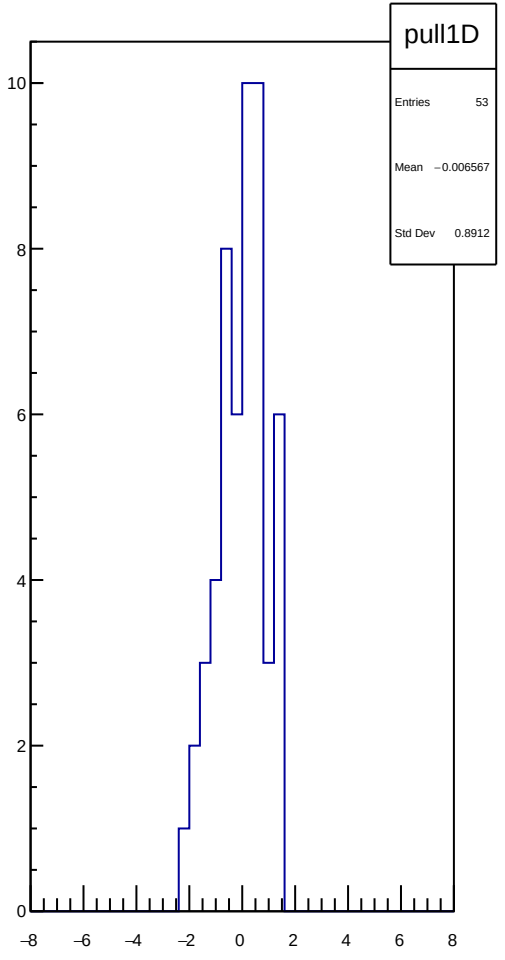

cor_usr_rms vs run
χ² / ndf 1481 / 52
p0 499.8 ± 0.4926
580
560
540
520
500
480
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

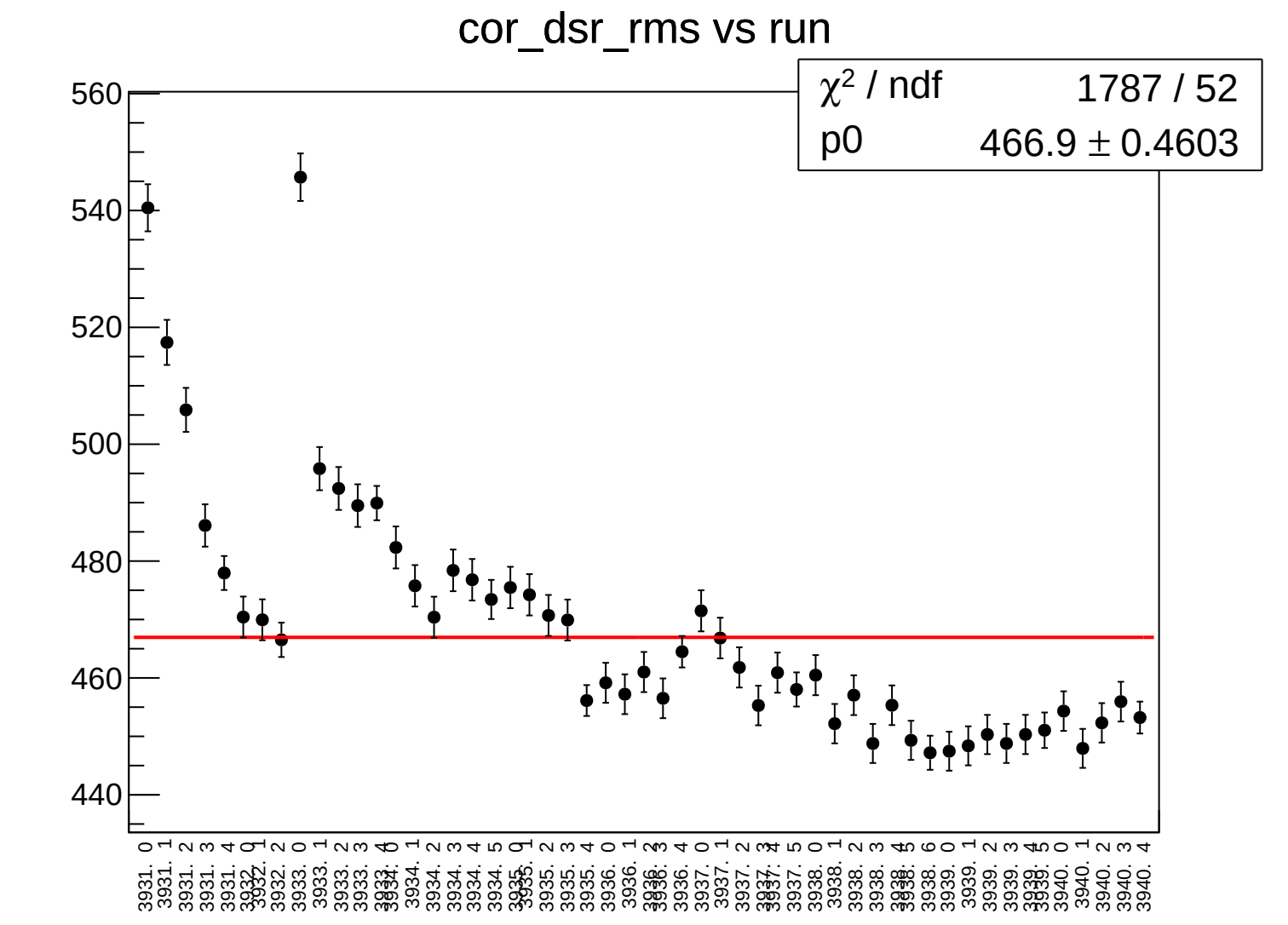

cor_dsl_mean vs run
χ² / ndf 60.86 / 52
p0 −361.2 ± 888.9
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 207.3
Std Dev 167.9
2
1
0
−1
−2

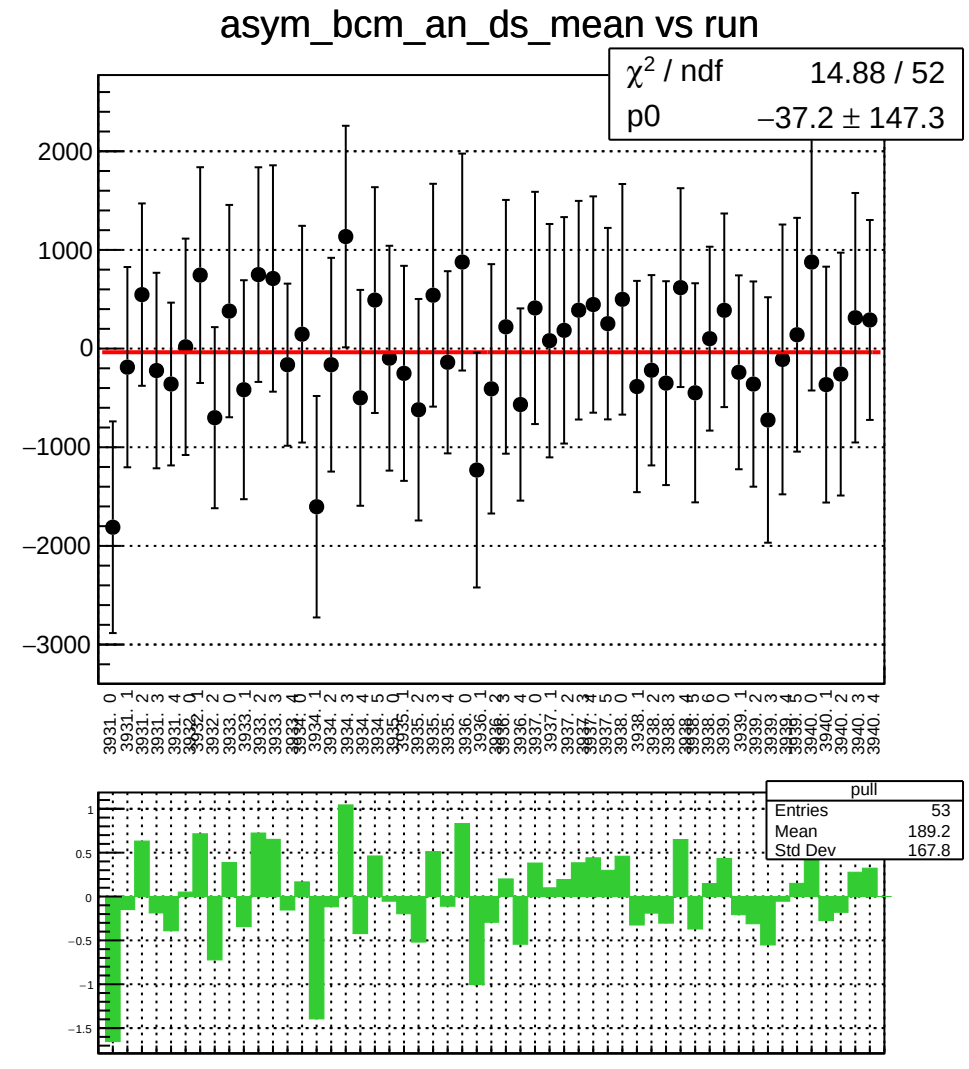

pull1D
Entries 53
Mean −0.006367
Std Dev 1.072
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

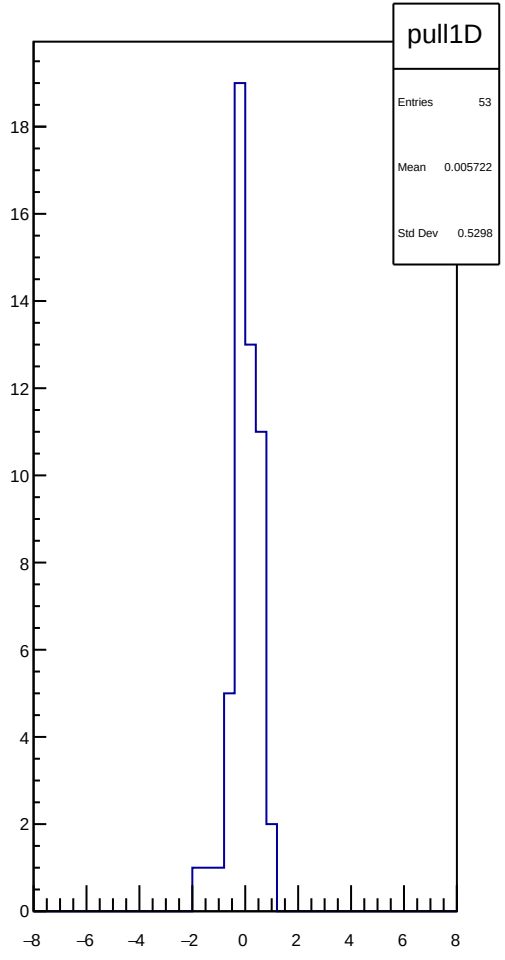

cor_dsl_rms vs run
χ² / ndf 2020 / 52
p0 637.6 ± 0.6285
680
660
640
620
600
580
560
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

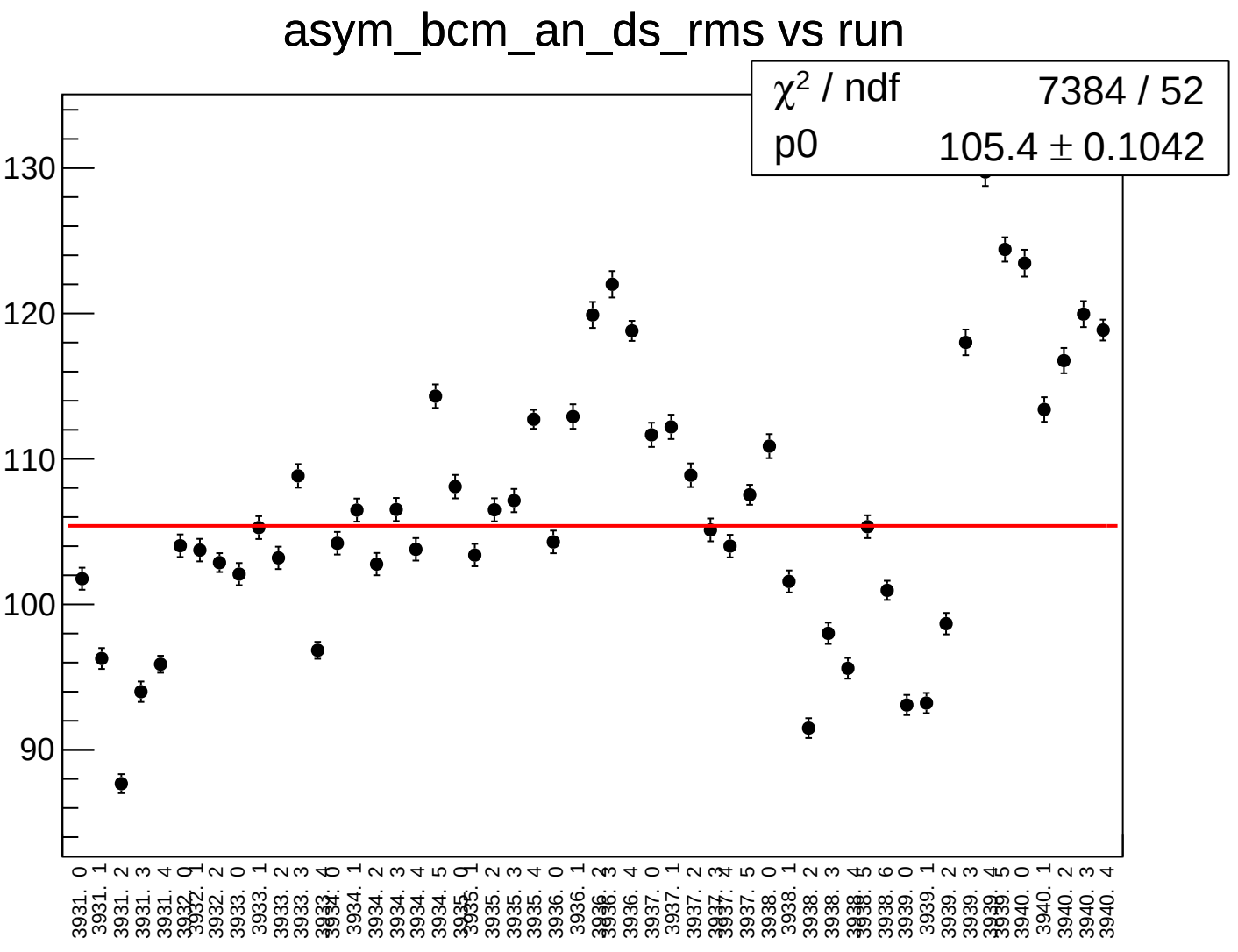

cor_dsr_mean vs run
χ² / ndf 42.09 / 52
p0 777.4 ± 650.9
pull
Entries 53
Mean −77.2
Std Dev 110.7

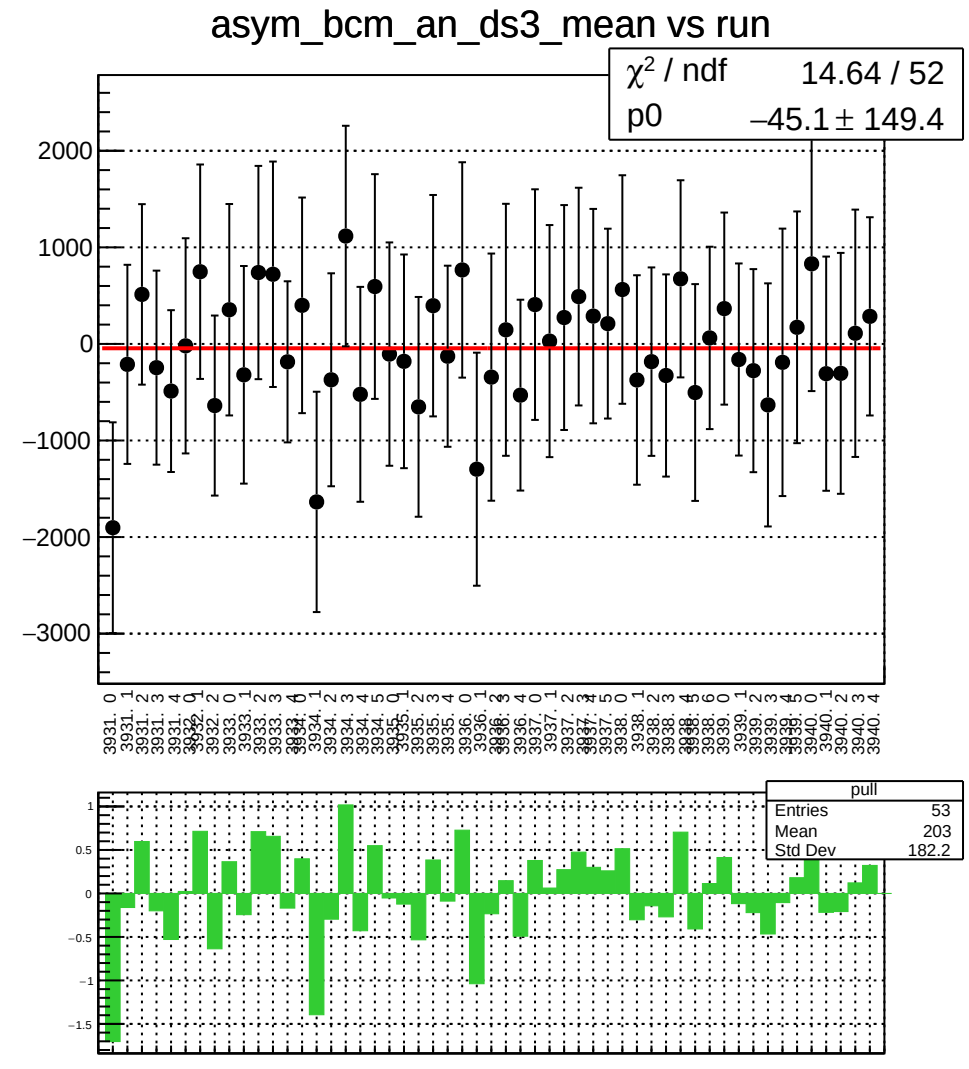

pull1D
Entries 53
Mean −0.006567
Std Dev 0.8912

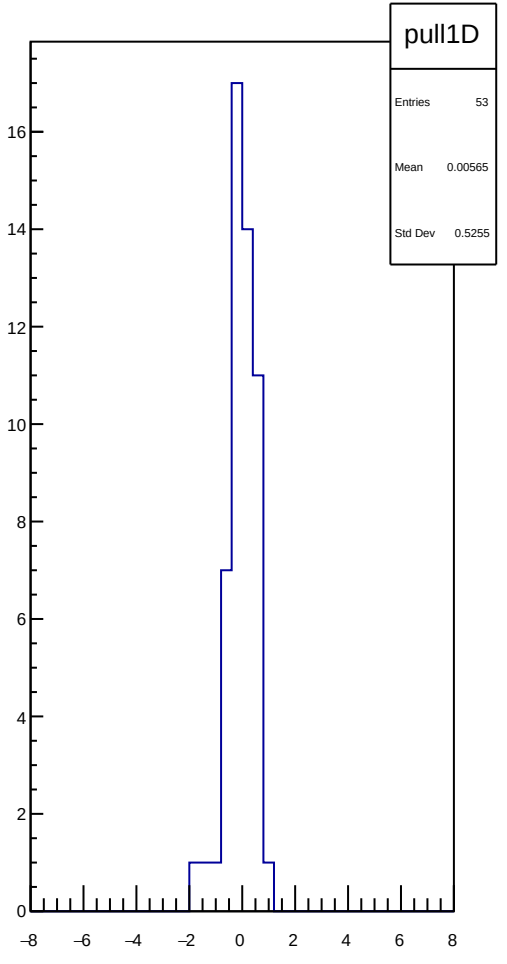

cor_dsr_rms vs run
χ² / ndf 1787 / 52
p0 466.9 ± 0.4603
560
540
520
500
480
460
440

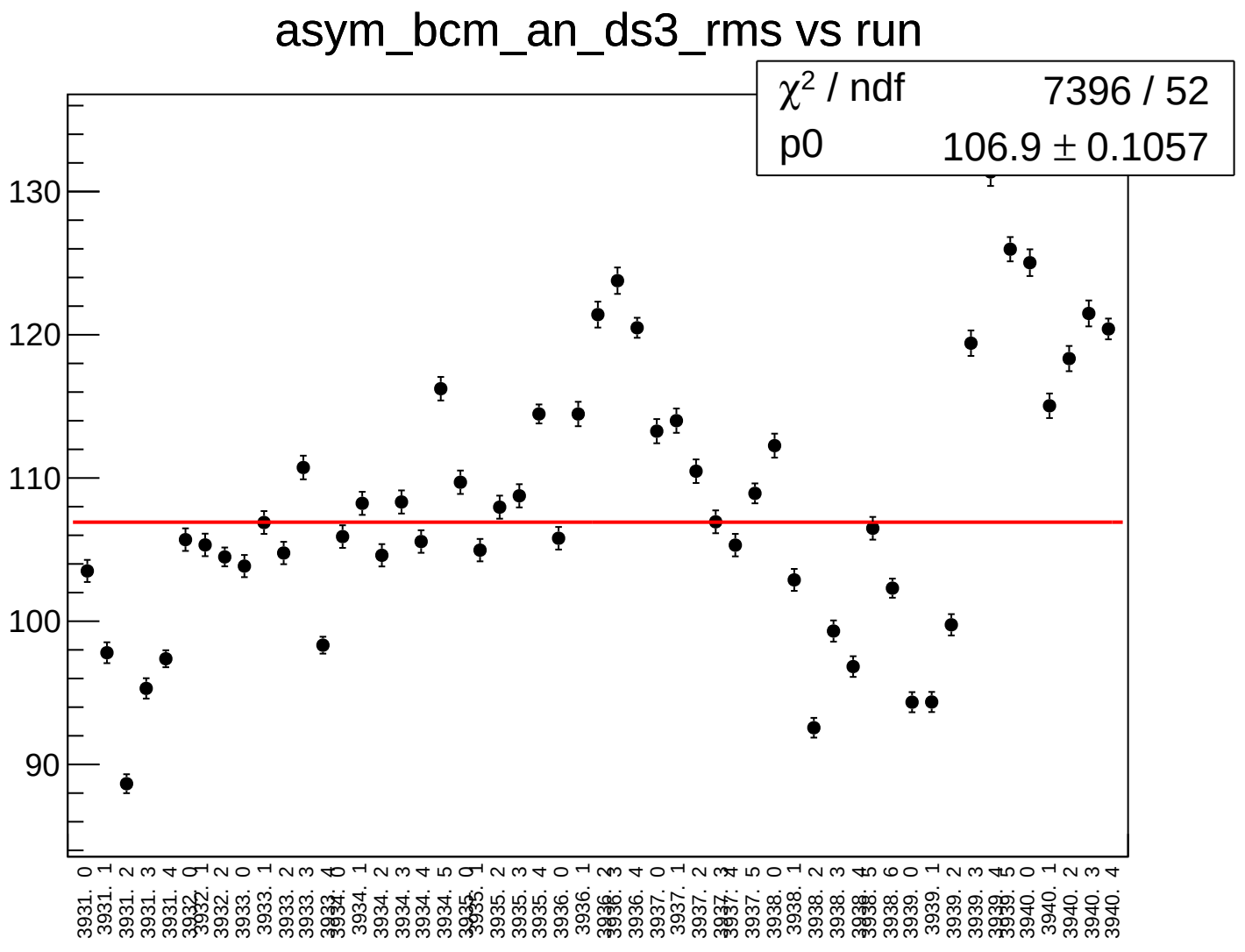

asym_bcm_an_ds_mean vs run
χ² / ndf 14.88 / 52
p0 −37.2 ± 147.3
2000
1000
0
−1000
−2000
−3000
pull
Entries 53
Mean 189.2
Std Dev 167.8
1
0.5
0
−0.5
−1
−1.5

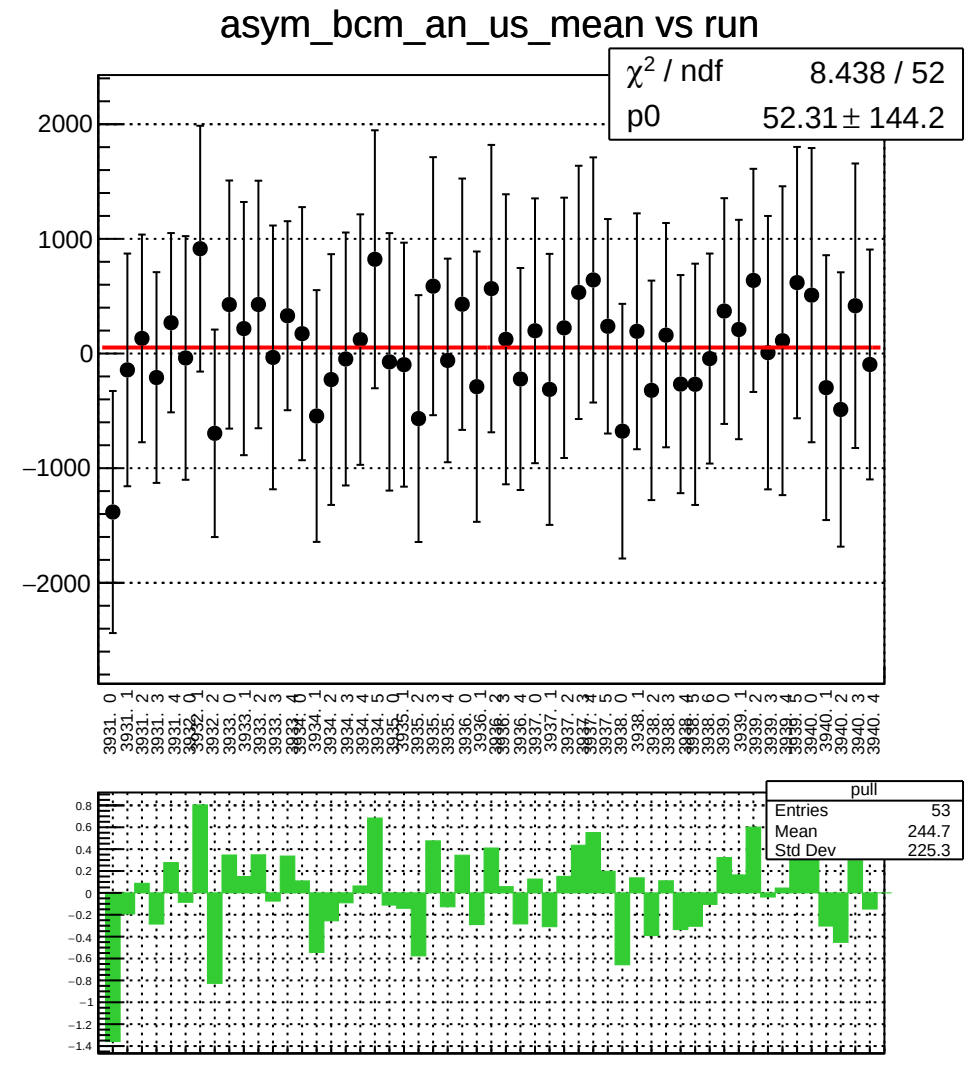

pull1D
Entries 53
Mean 0.005722
Std Dev 0.5298
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

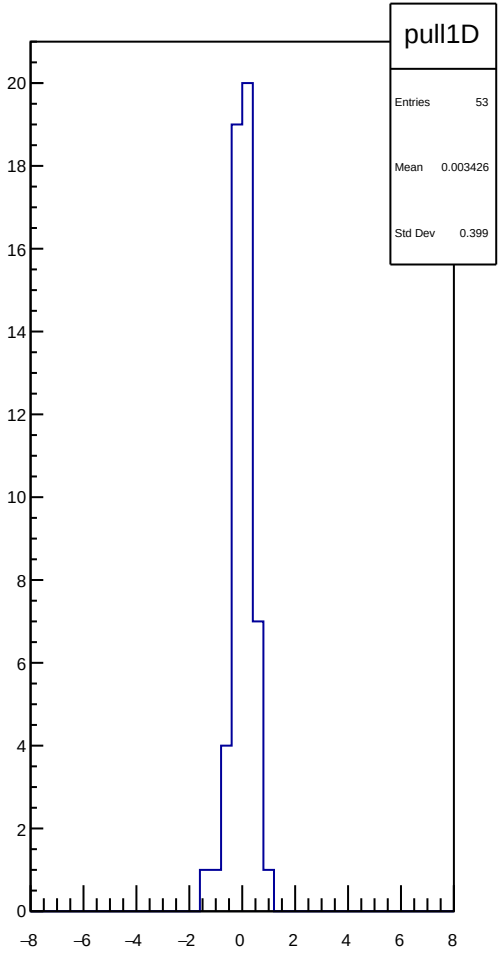

asym_bcm_an_ds_rms vs run
χ² / ndf 7384 / 52
p0 105.4 ± 0.1042
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3937. 0
3937. 1
3937. 2
3938. 0
3938. 1
3938. 2
3938. 3
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

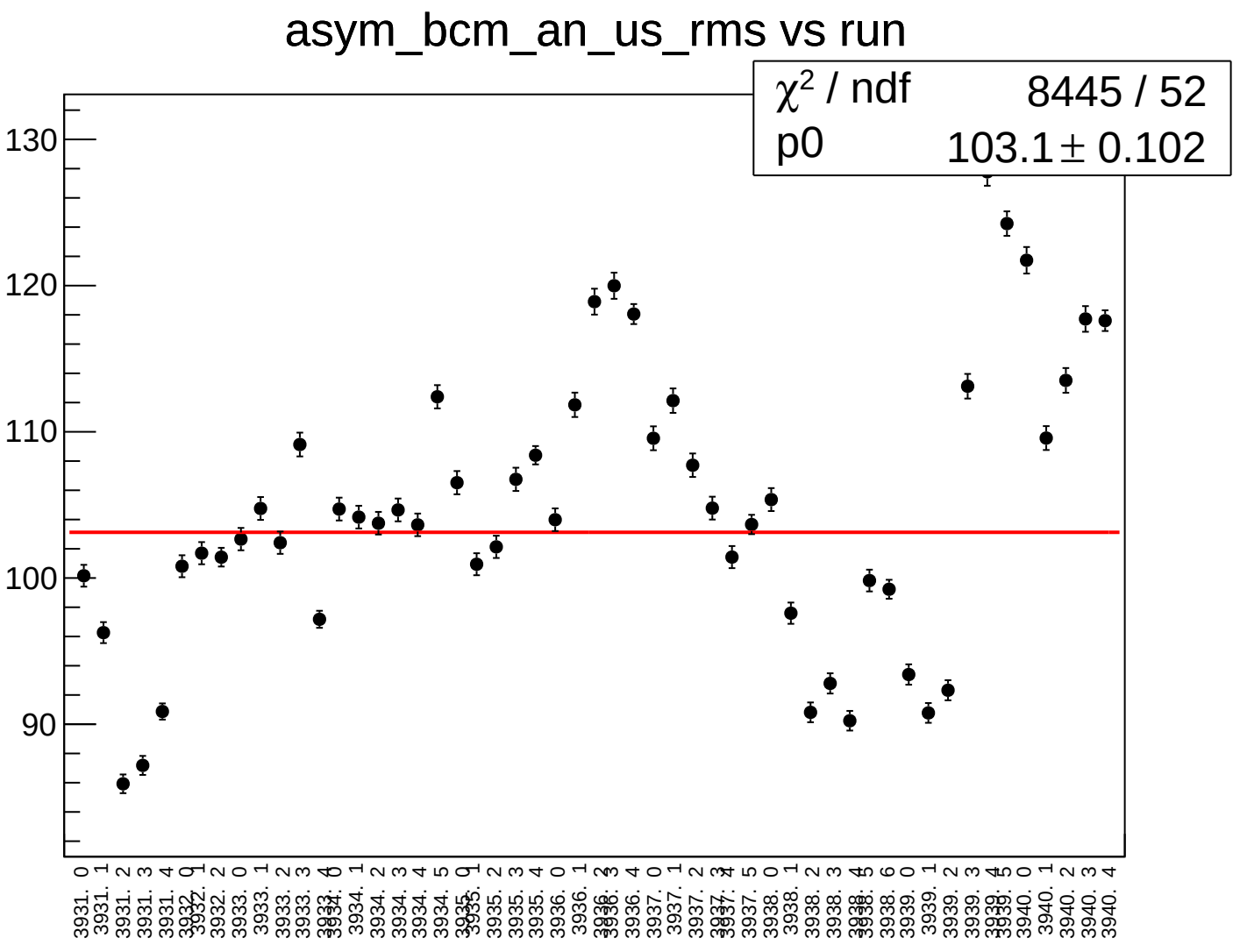

asym_bcm_an_ds3_mean vs run
χ² / ndf 14.64 / 52
p0 −45.1 ± 149.4
2000
1000
0
−1000
−2000
−3000
pull
Entries 53
Mean 203
Std Dev 182.2
1
0.5
0
−0.5
−1
−1.5

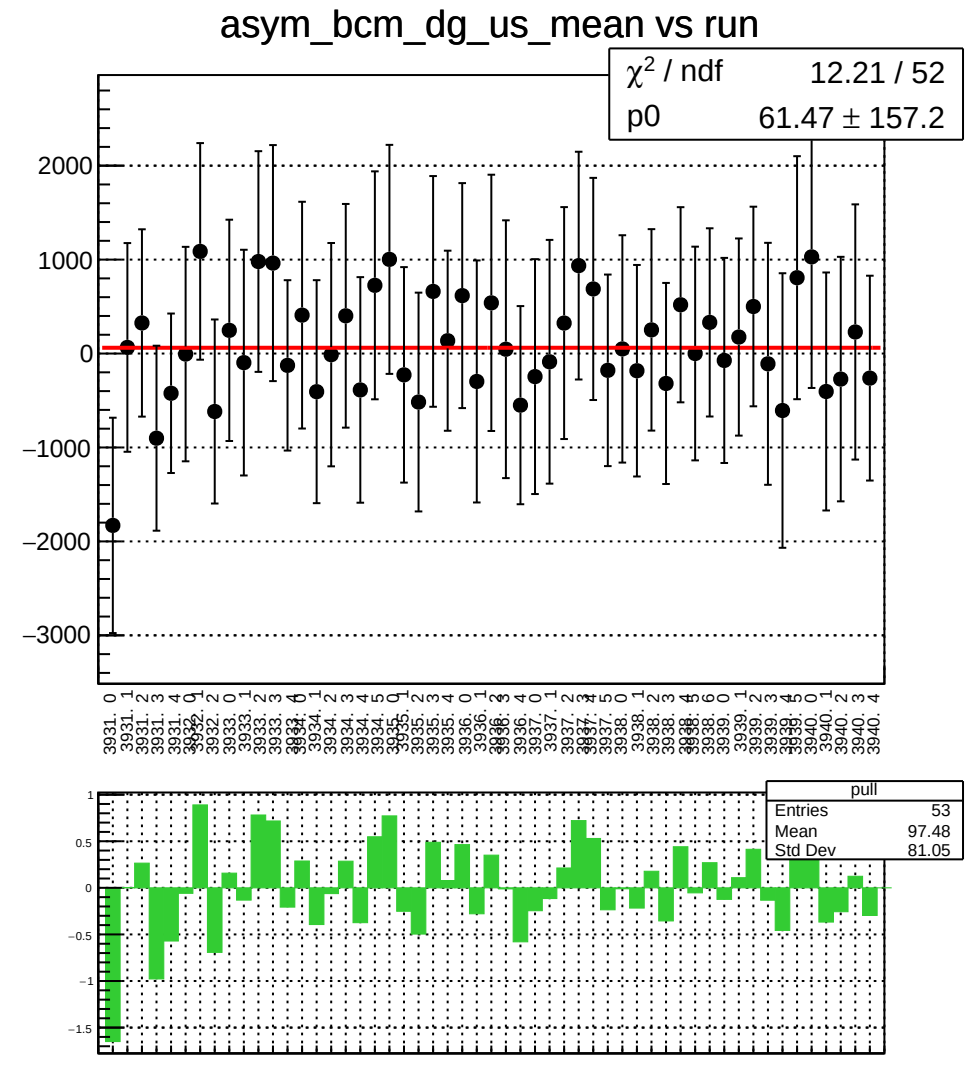

pull1D
Entries 53
Mean 0.00565
Std Dev 0.5255
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

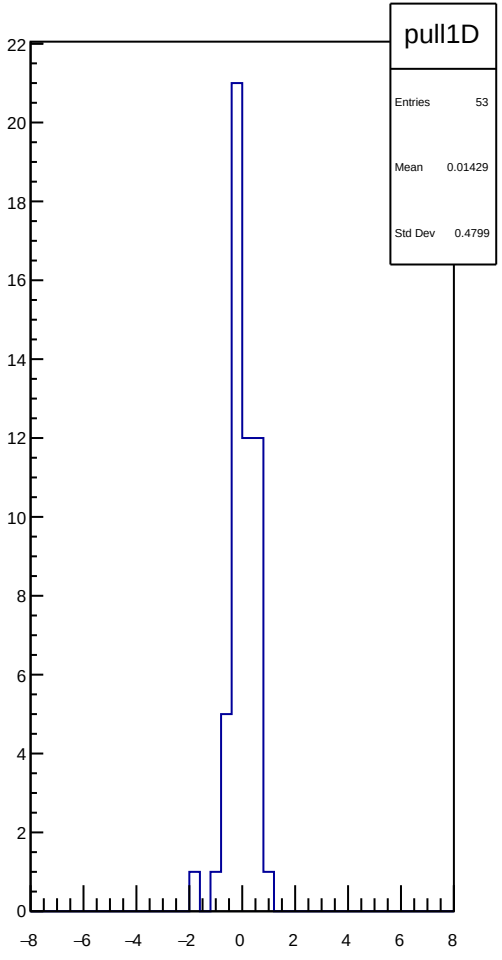

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 7396 / 52
p0 106.9 ± 0.1057
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3938. 0
3938. 1
3938. 2
3938. 3
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

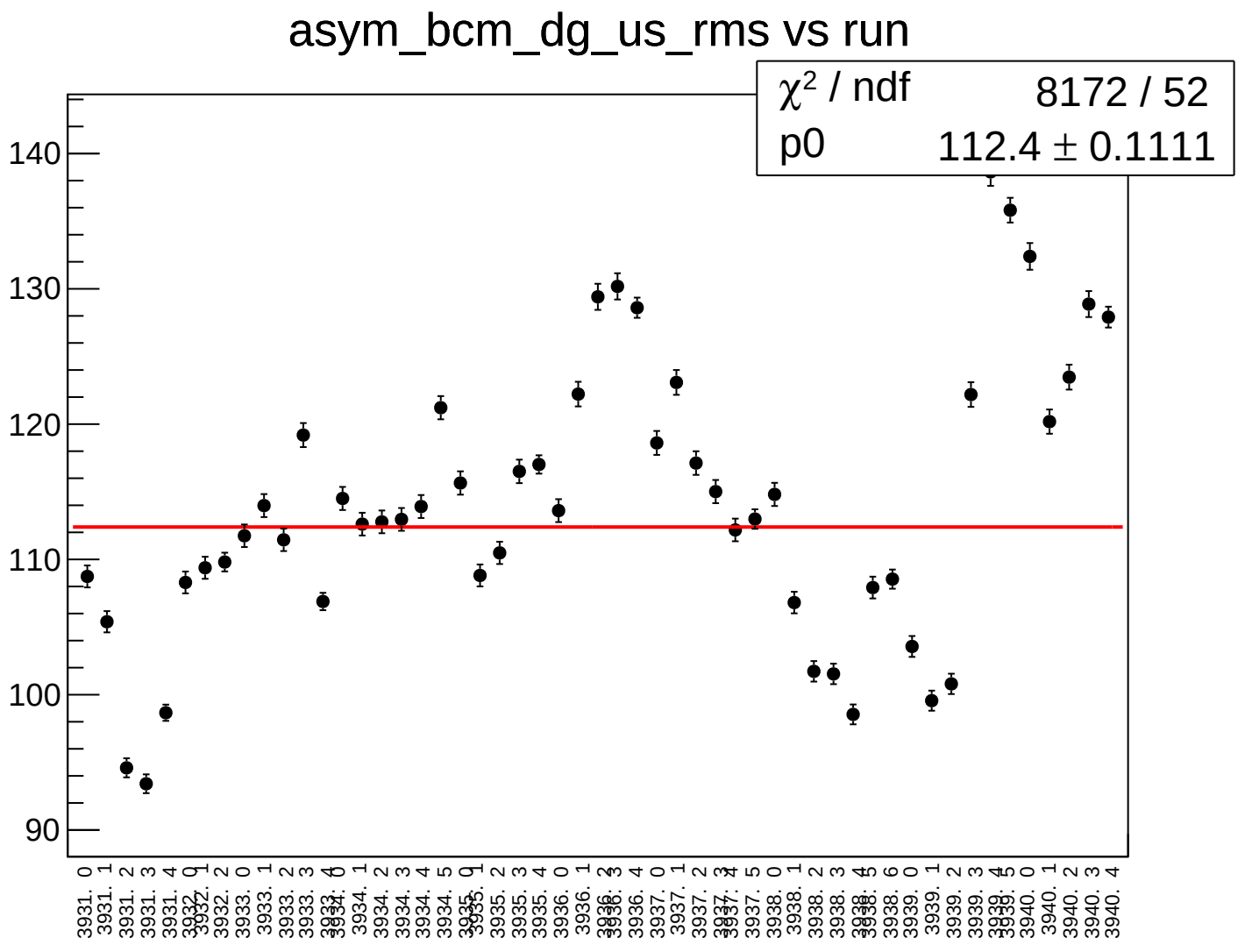

asym_bcm_an_us_mean vs run
χ² / ndf 8.438 / 52
p0 52.31 ± 144.2
pull
Entries 53
Mean 244.7
Std Dev 225.3

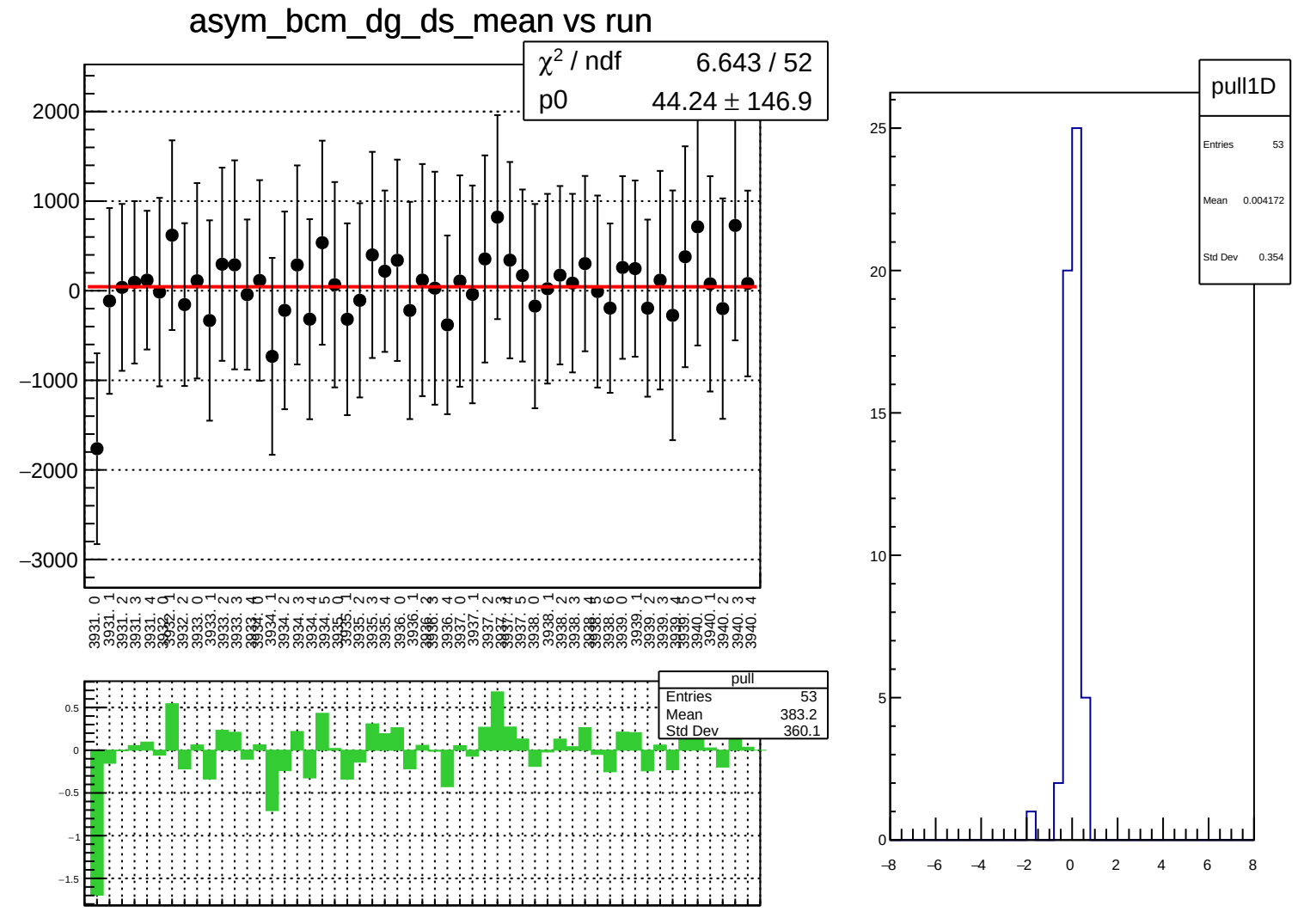

pull1D
Entries 53
Mean 0.003426
Std Dev 0.399

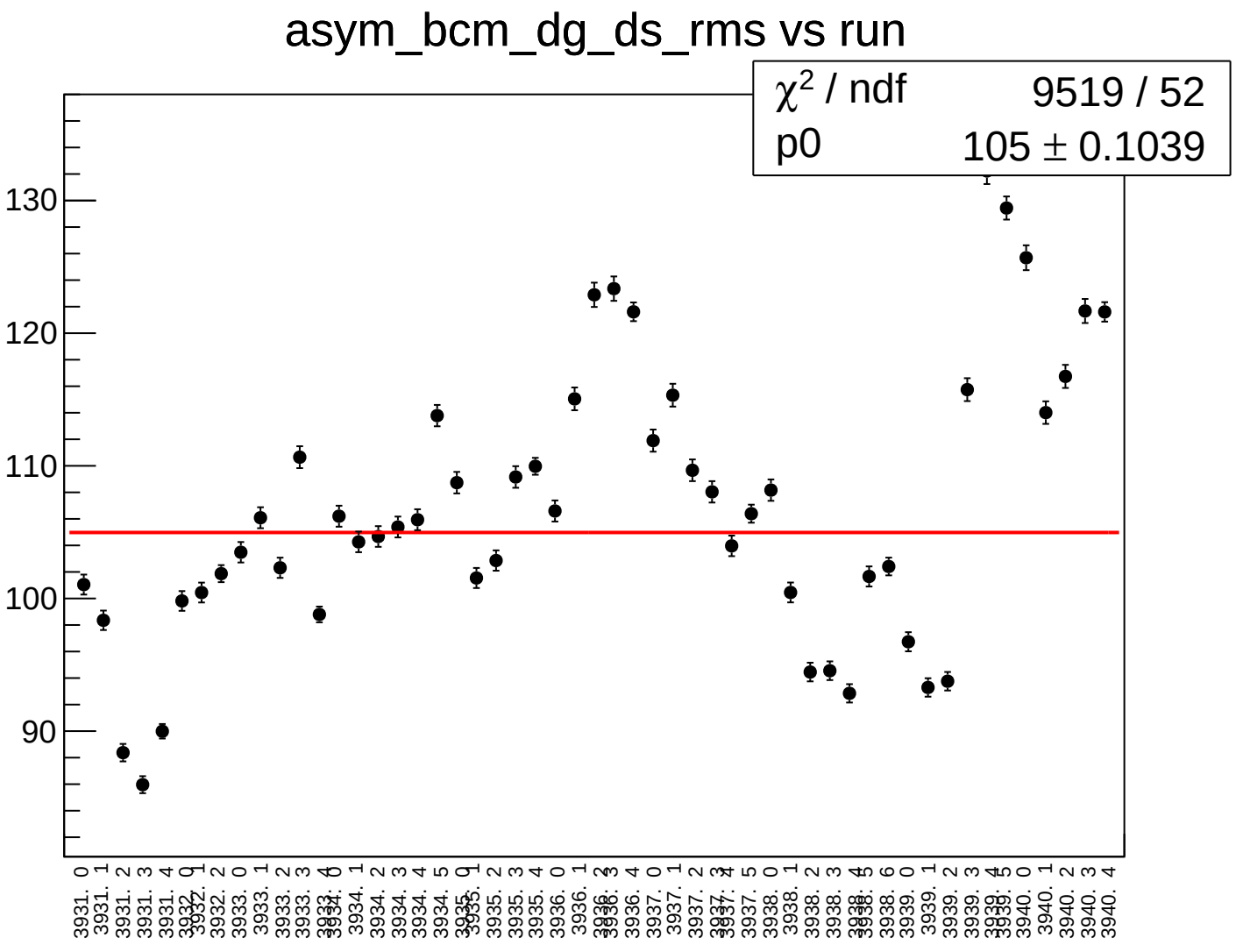

asym_bcm_an_us_rms vs run
χ² / ndf 8445 / 52
p0 103.1 ± 0.102
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

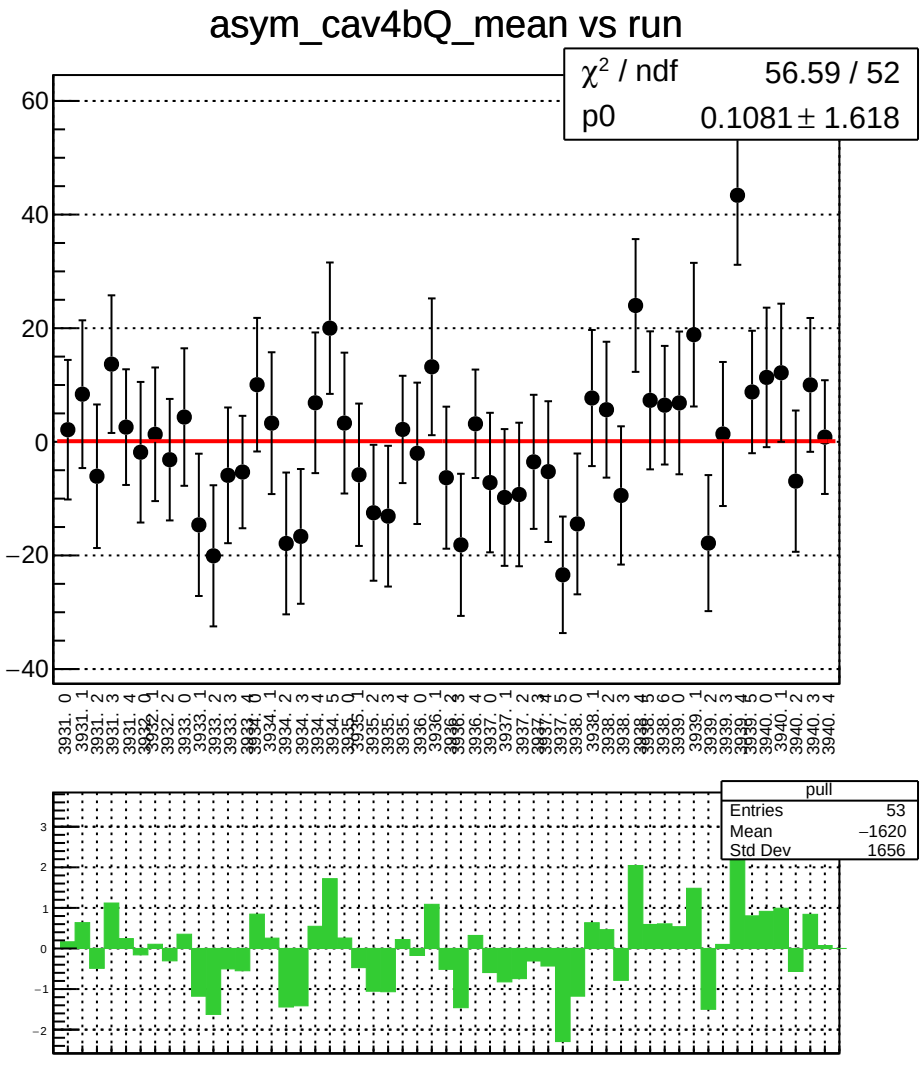

asym_bcm_dg_us_mean vs run
χ² / ndf 12.21 / 52
p0 61.47 ± 157.2
pull
Entries 53
Mean 97.48
Std Dev 81.05

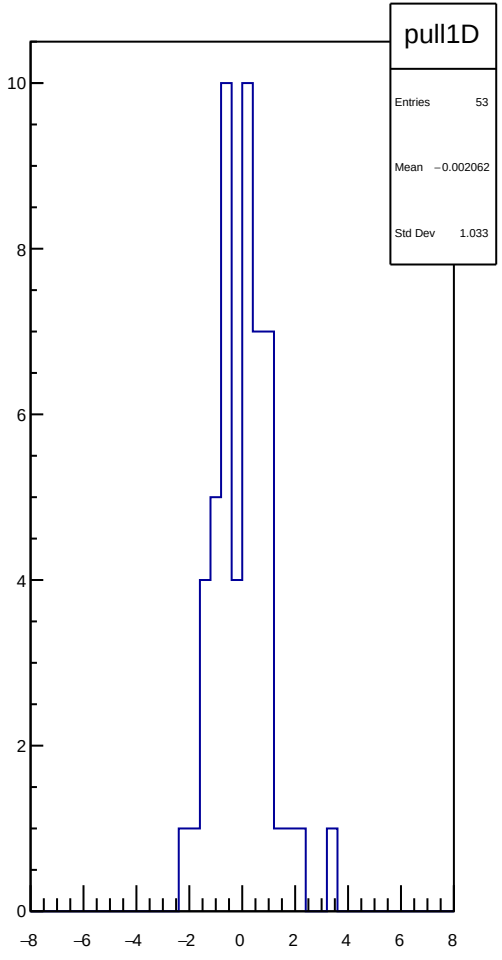

pull1D
Entries 53
Mean 0.01429
Std Dev 0.4799

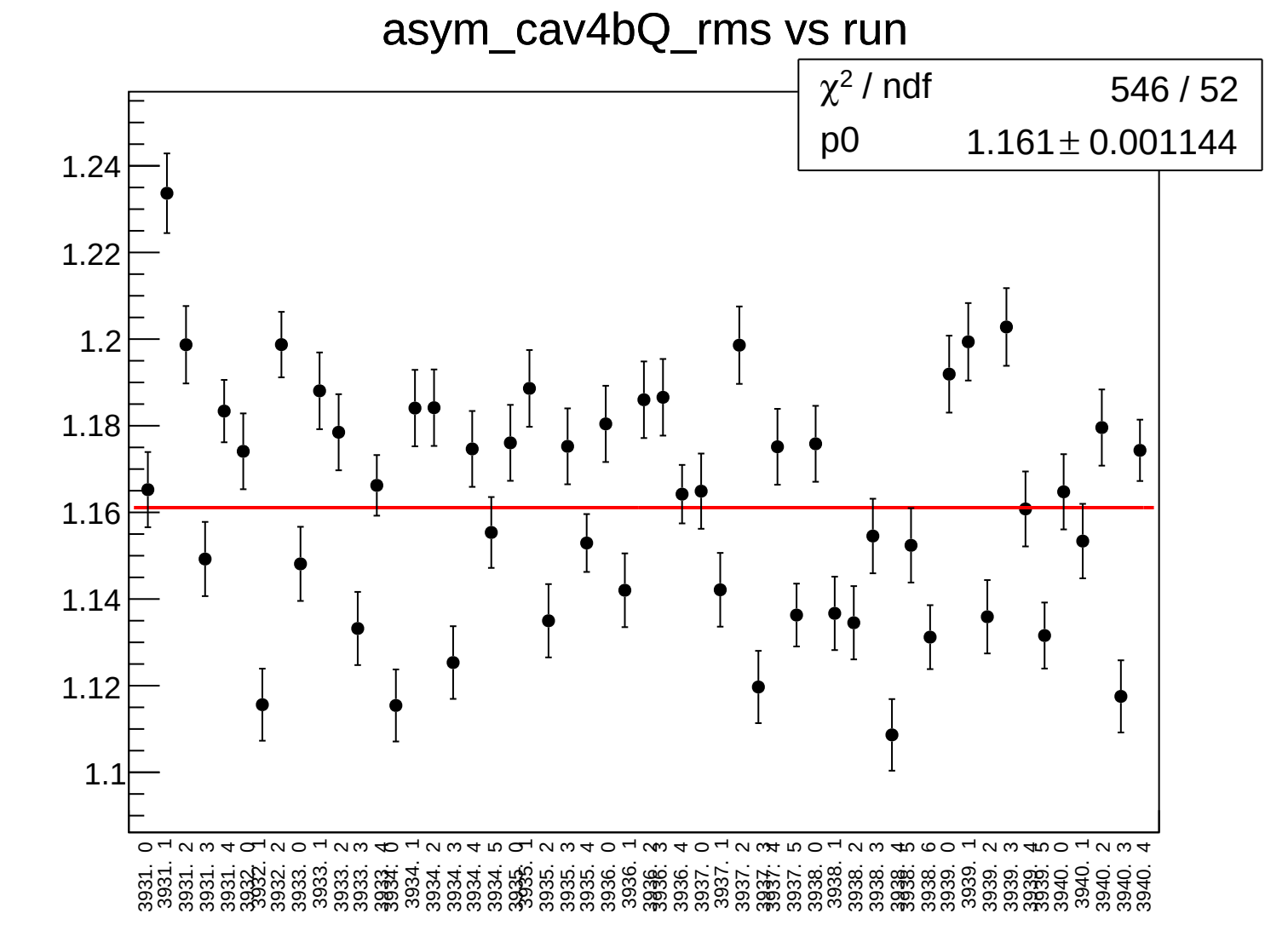

asym_bcm_dg_us_rms vs run
χ² / ndf 8172 / 52
p0 112.4 ± 0.1111
140
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_bcm_dg_ds_mean vs run
χ^2 / ndf 6.643 / 52
p0 44.24 ± 146.9
2000
1000
0
−1000
−2000
−3000
pull
Entries 53
Mean 383.2
Std Dev 360.1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 53
Mean 0.004172
Std Dev 0.354
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_ds_rms vs run
χ² / ndf 9519 / 52
p0 105 ± 0.1039
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_cav4bQ_mean vs run
χ² / ndf 56.59 / 52
p0 0.1081 ± 1.618
pull
Entries 53
Mean −1620
Std Dev 1656


pull1D
Entries 53
Mean −0.002062
Std Dev 1.033


asym_cav4bQ_rms vs run
χ² / ndf 546 / 52
p0 1.161 ± 0.001144
1.24
1.22
1.2
1.18
1.16
1.14
1.12
1.1
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
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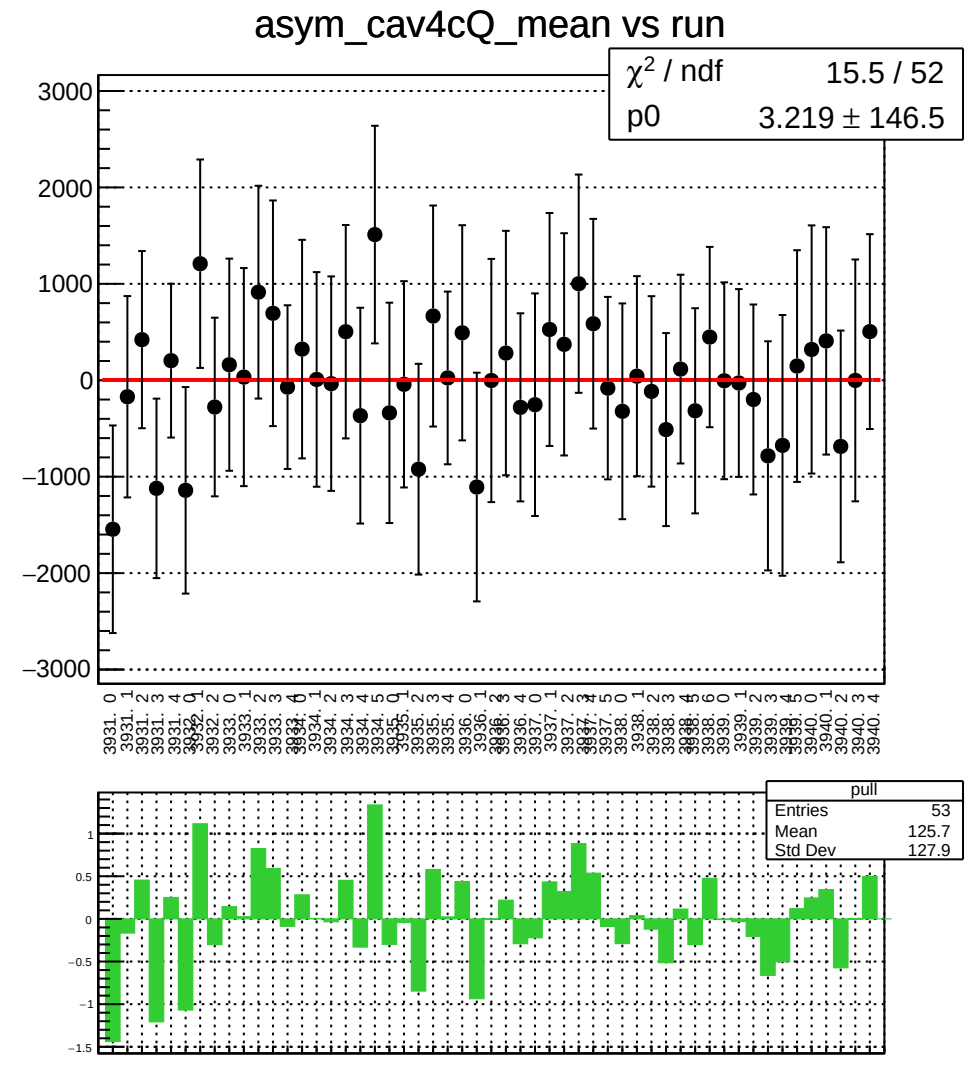
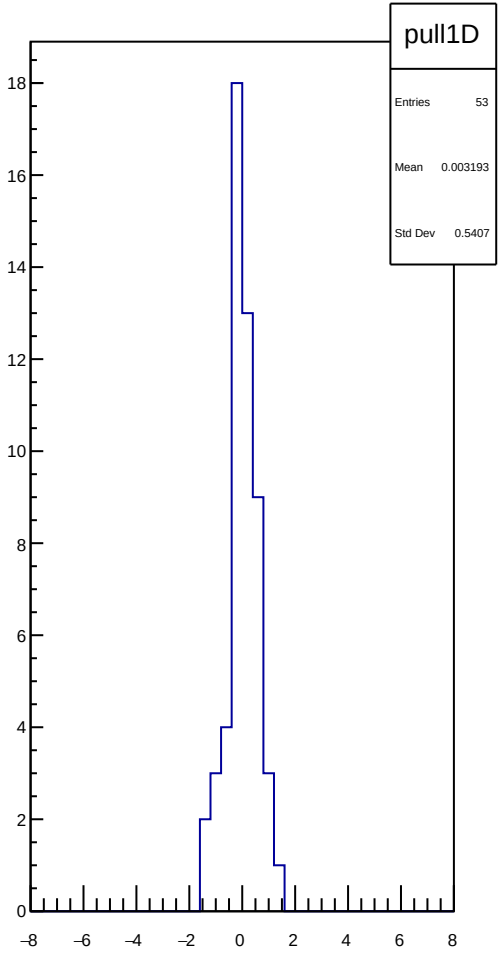
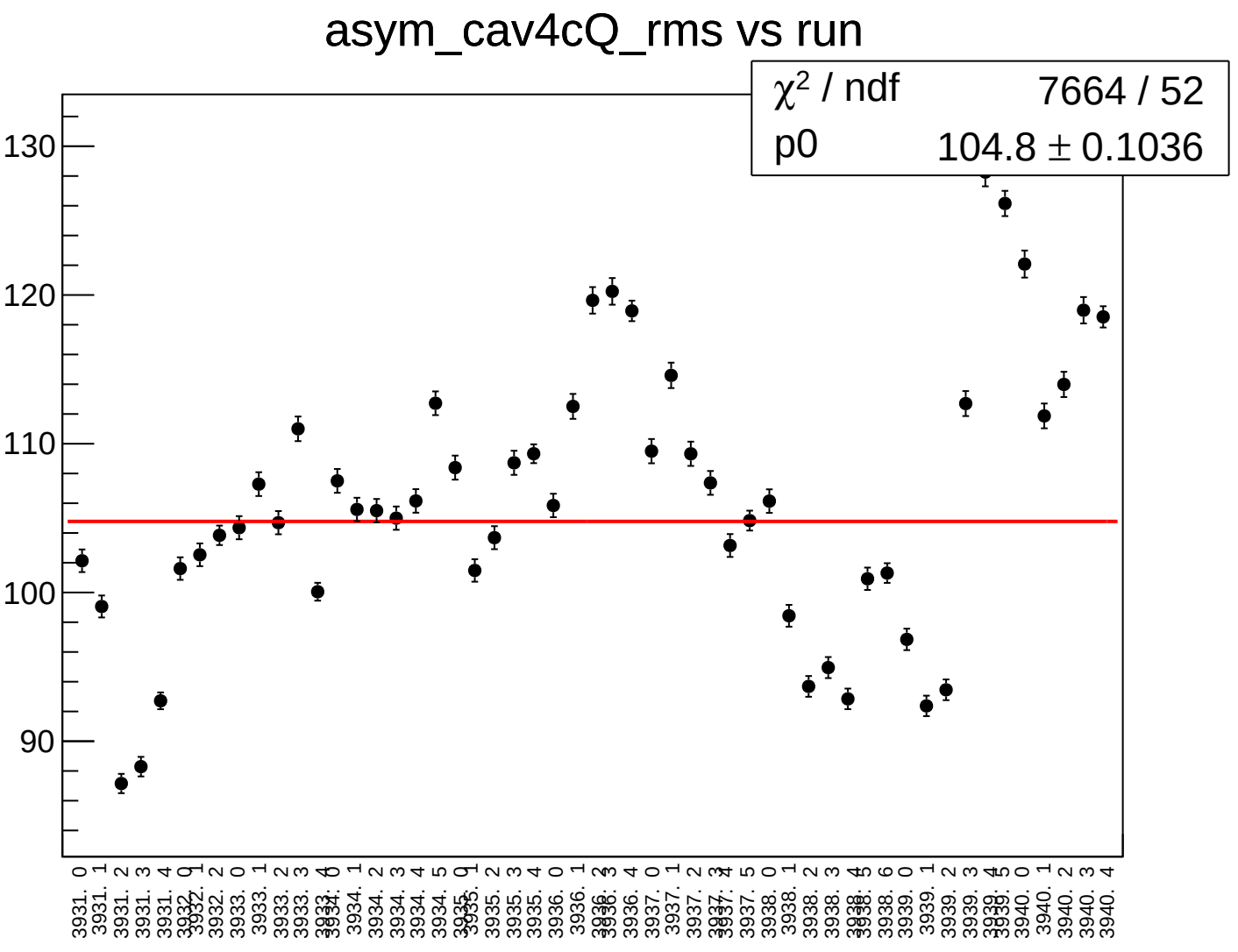
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_cav4cQ_mean vs run
χ² / ndf 15.5 / 52
p0 3.219 ± 146.5
pull
Entries 53
Mean 125.7
Std Dev 127.9


pull1D
Entries 53
Mean 0.003193
Std Dev 0.5407


asym_cav4cQ_rms vs run
χ² / ndf 7664 / 52
p0 104.8 ± 0.1036
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
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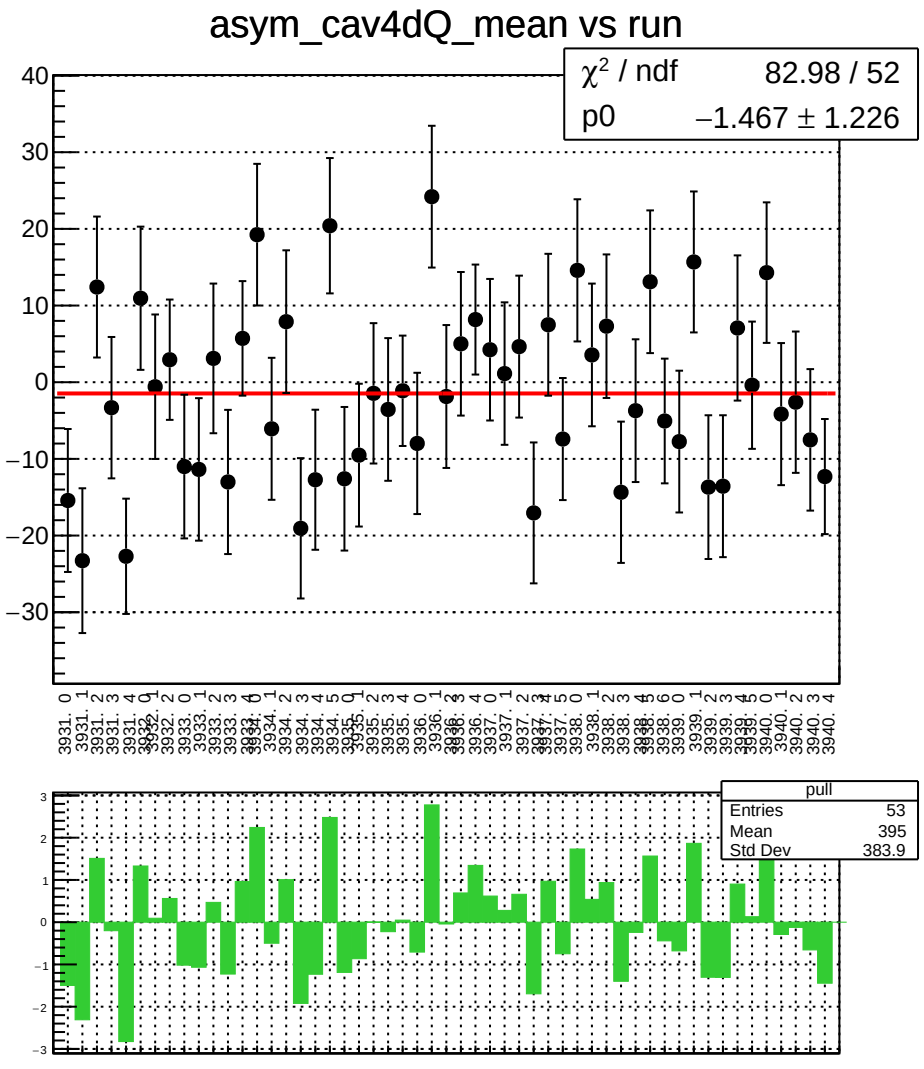
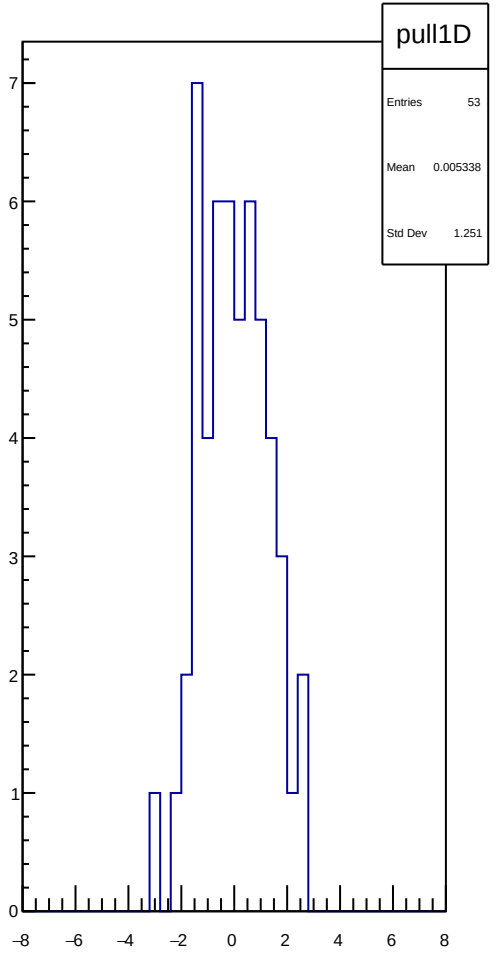
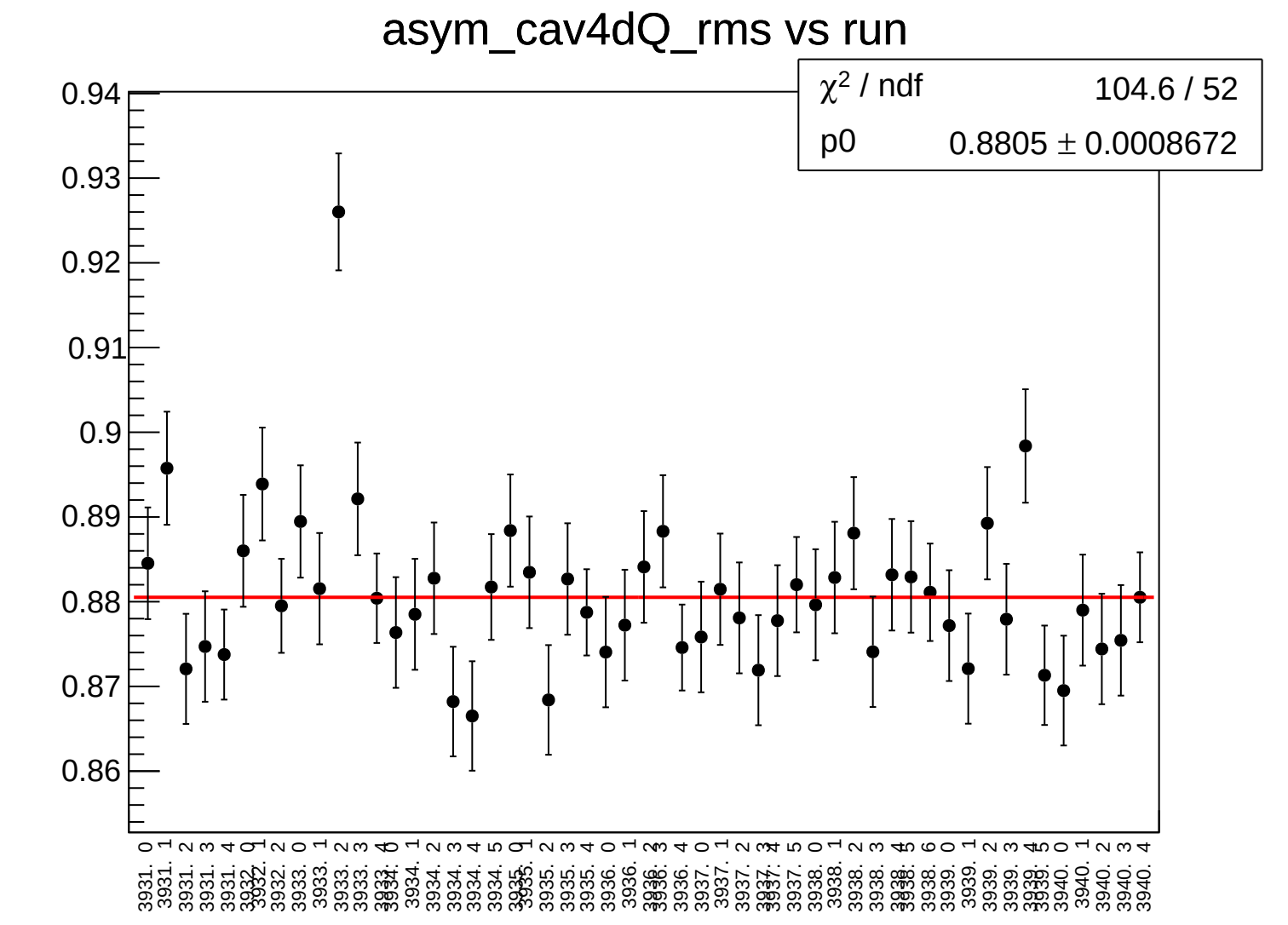
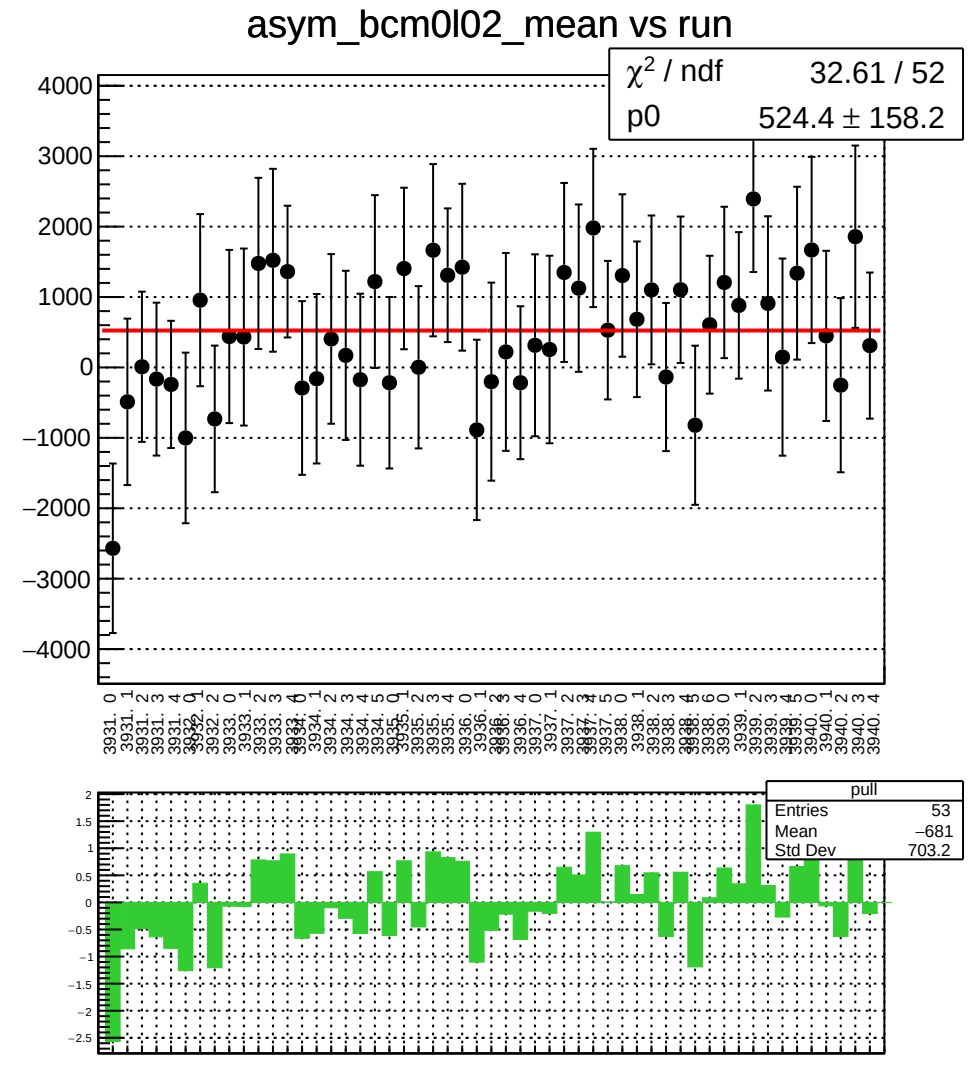
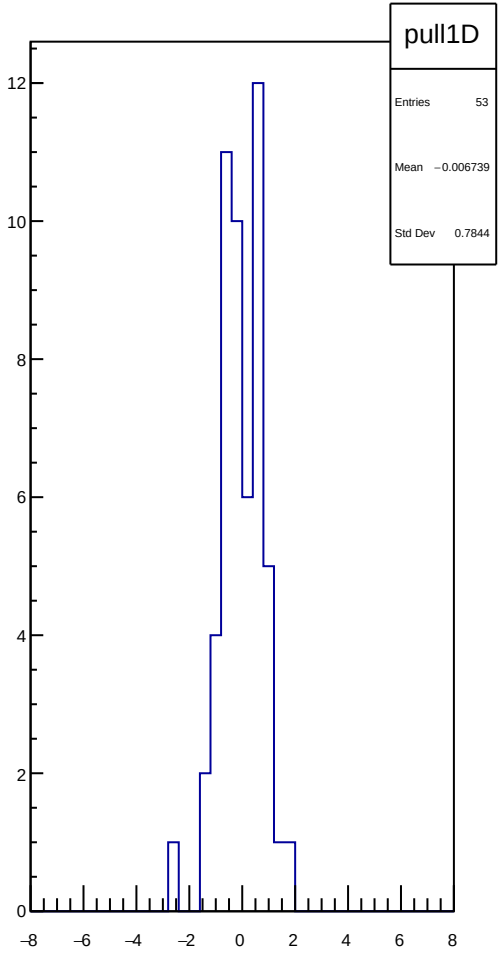
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

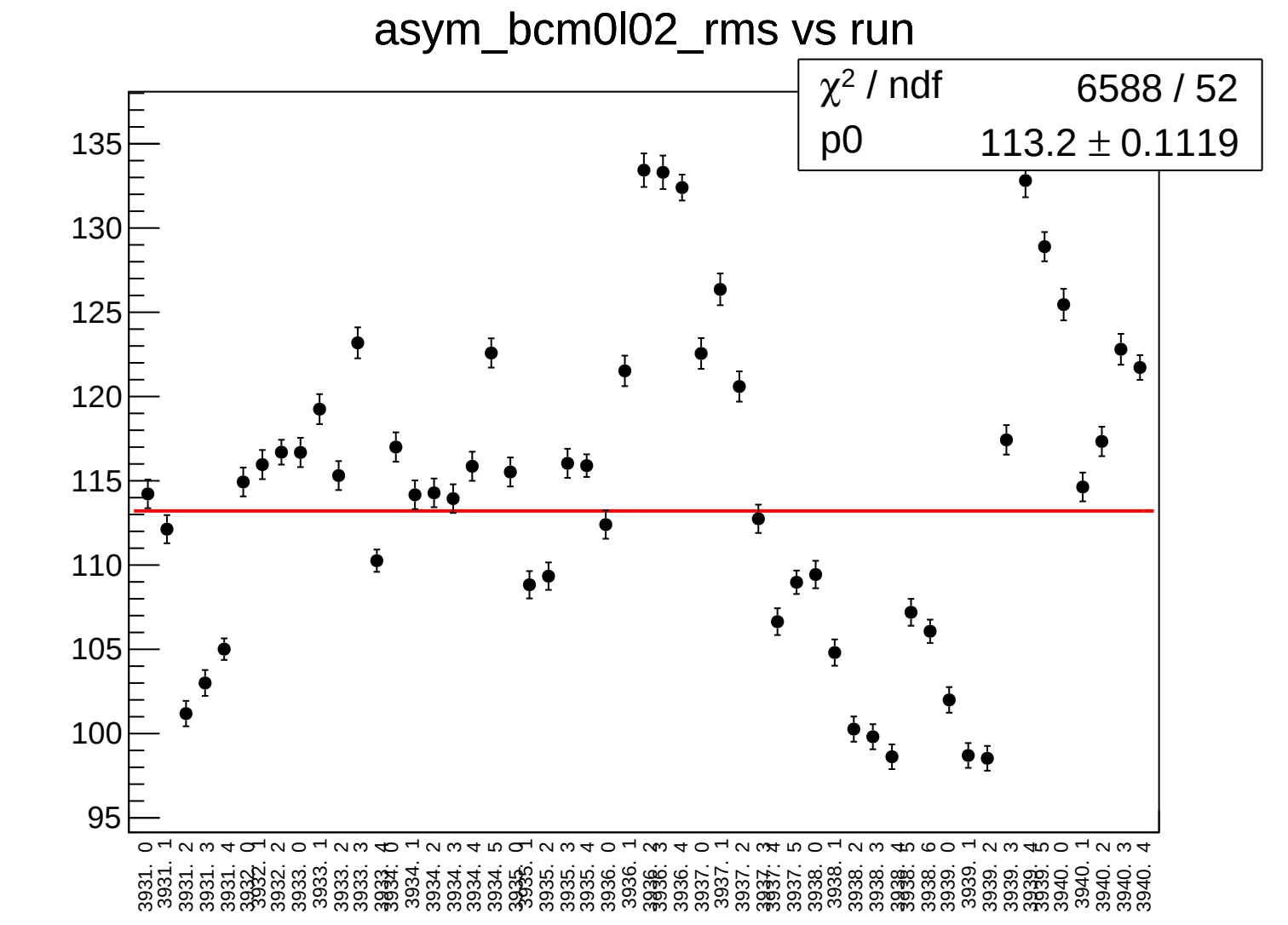

asym_cav4dQ_mean vs run
χ² / ndf 82.98 / 52
p0 −1.467 ± 1.226
pull
Entries 53
Mean 395
Std Dev 383.9


pull1D
Entries 53
Mean 0.005338
Std Dev 1.251


asym_cav4dQ_rms vs run
χ² / ndf 104.6 / 52
p0 0.8805 ± 0.0008672
0.94
0.93
0.92
0.91
0.9
0.89
0.88
0.87
0.86


asym_bcm0l02_mean vs run
χ² / ndf 32.61 / 52
p0 524.4 ± 158.2
pull
Entries 53
Mean −681
Std Dev 703.2


pull1D
Entries 53
Mean −0.006739
Std Dev 0.7844


asym_bcm0l02_rms vs run
χ² / ndf 6588 / 52
p0 113.2 ± 0.1119
135
130
125
120
115
110
105
100
95
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
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3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
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3939. 4
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3940. 2
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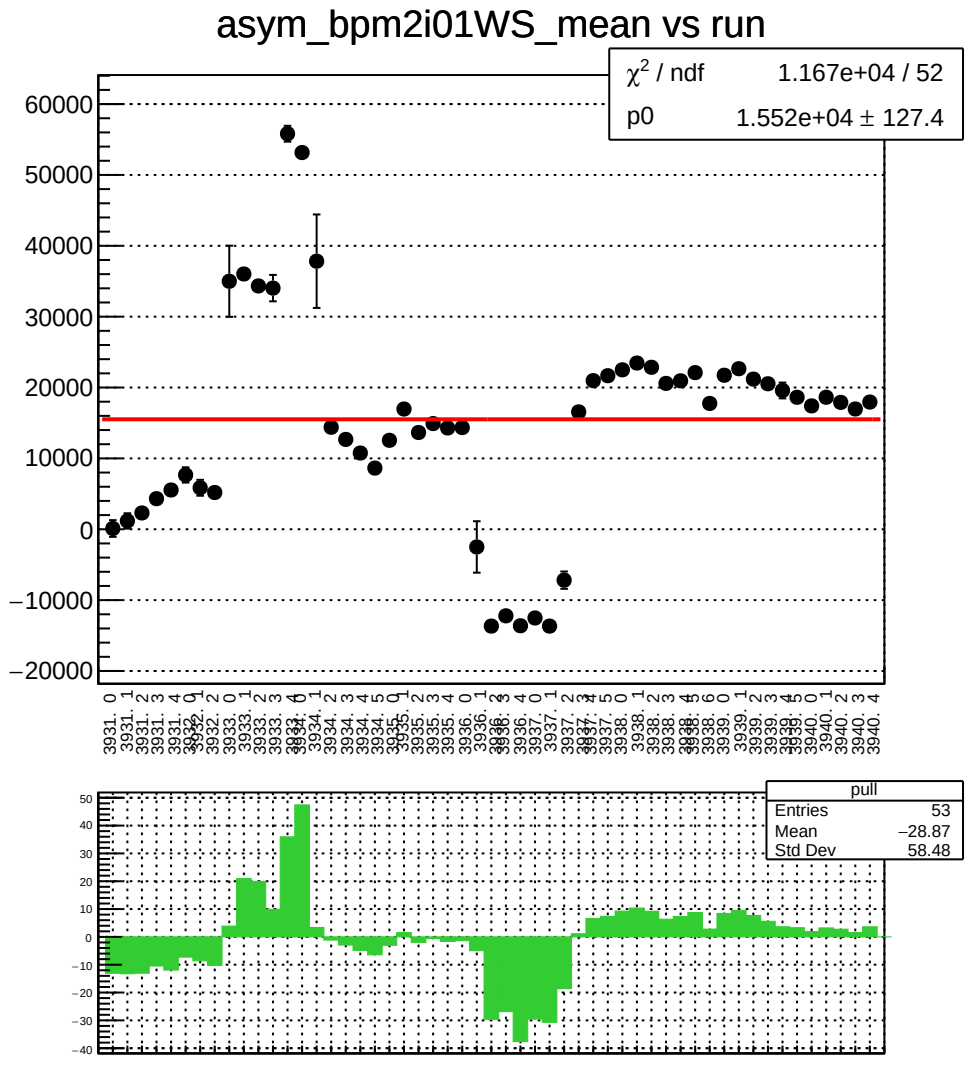
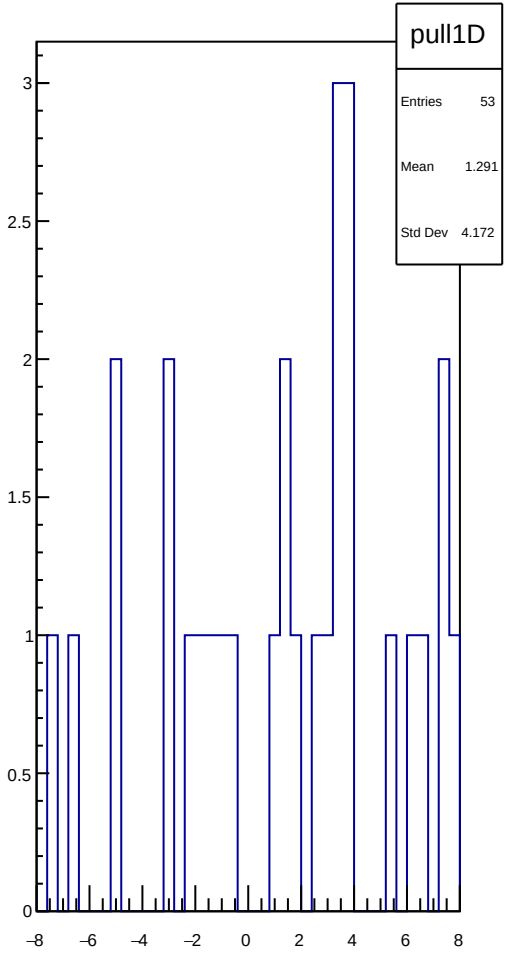
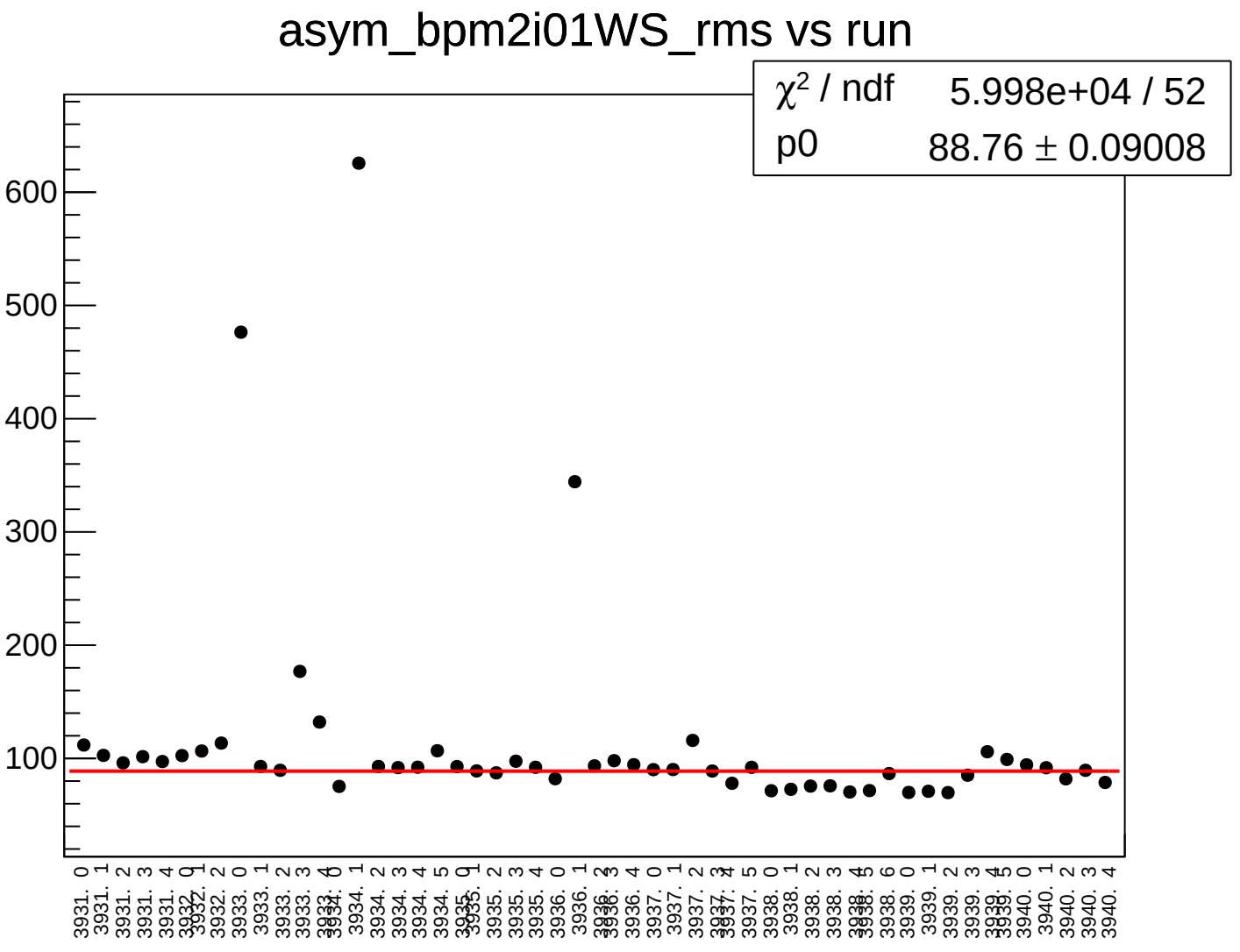
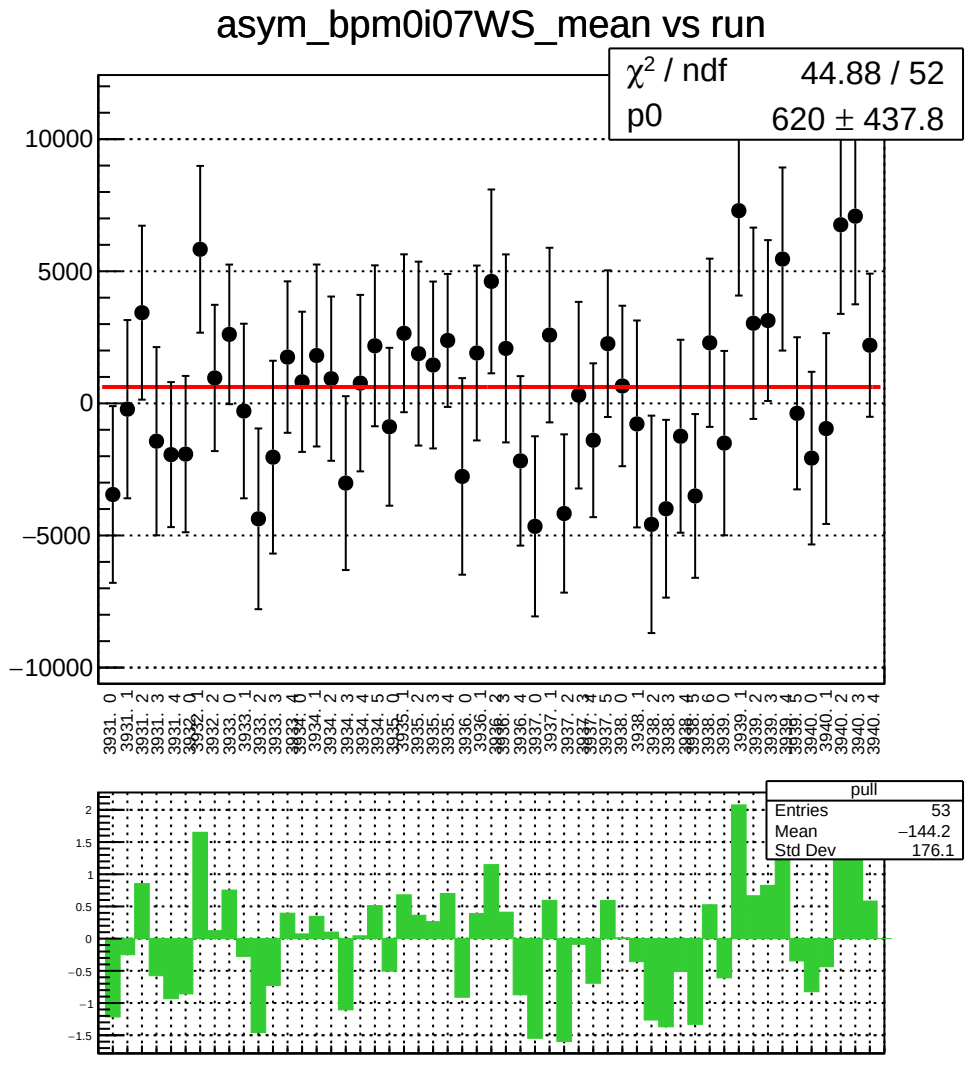
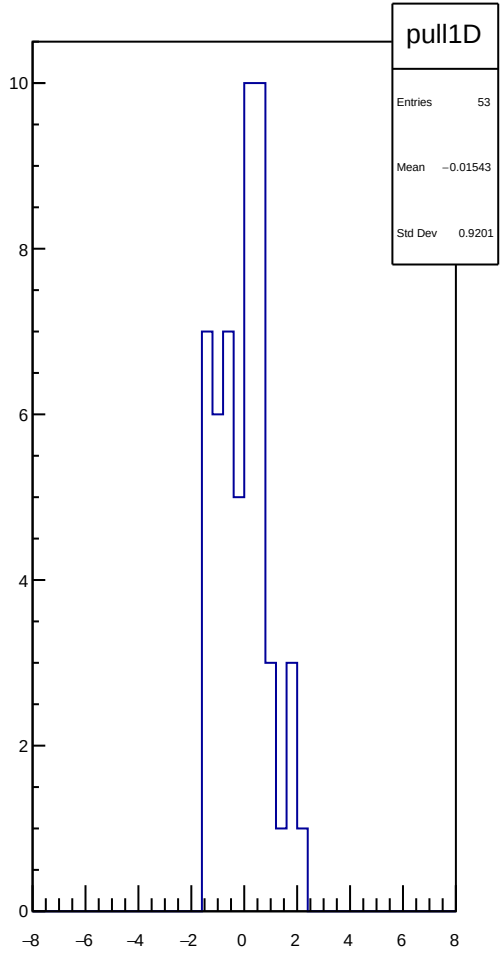
3940. 4

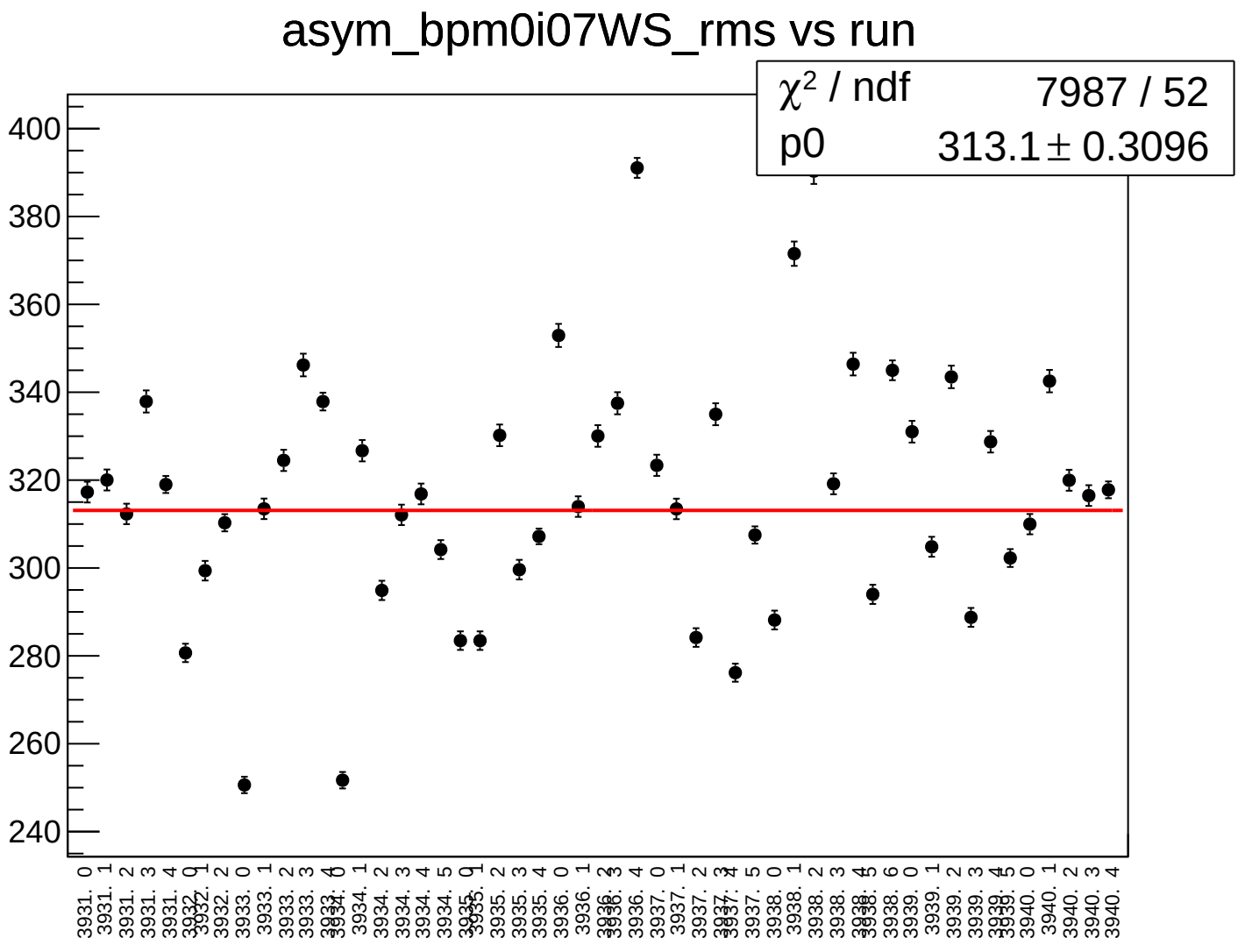

asym_bpm2i01WS_mean vs run
χ² / ndf 1.167e+04 / 52
p0 1.552e+04 ± 127.4
pull
Entries 53
Mean −28.87
Std Dev 58.48

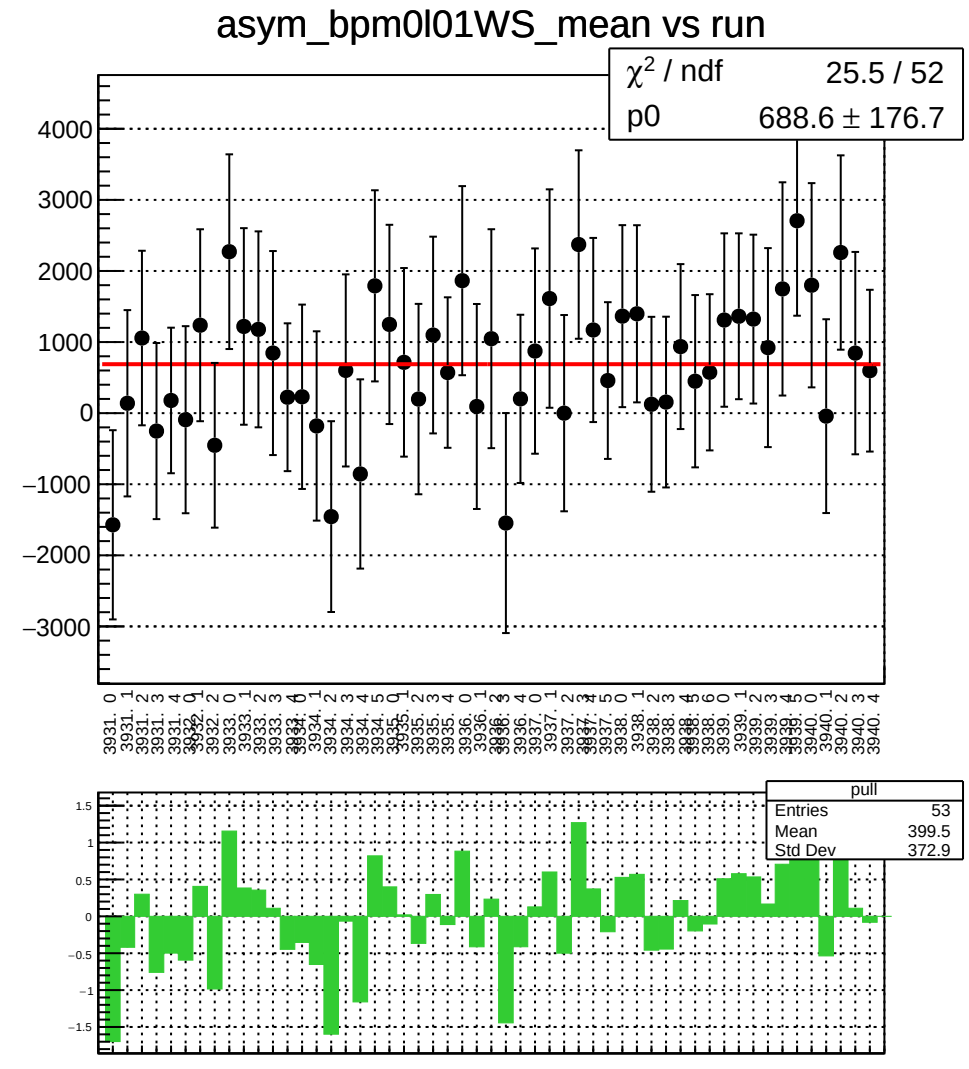

pull1D
Entries 53
Mean 1.291
Std Dev 4.172

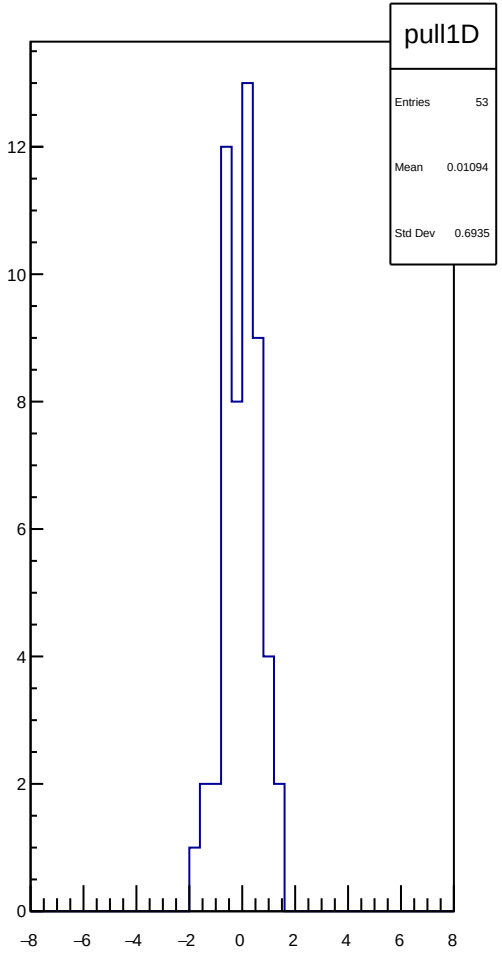

asym_bpm2i01WS_rms vs run
χ^2 / ndf 5.998e+04 / 52
p0 88.76 ± 0.09008
600
500
400
300
200
100
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

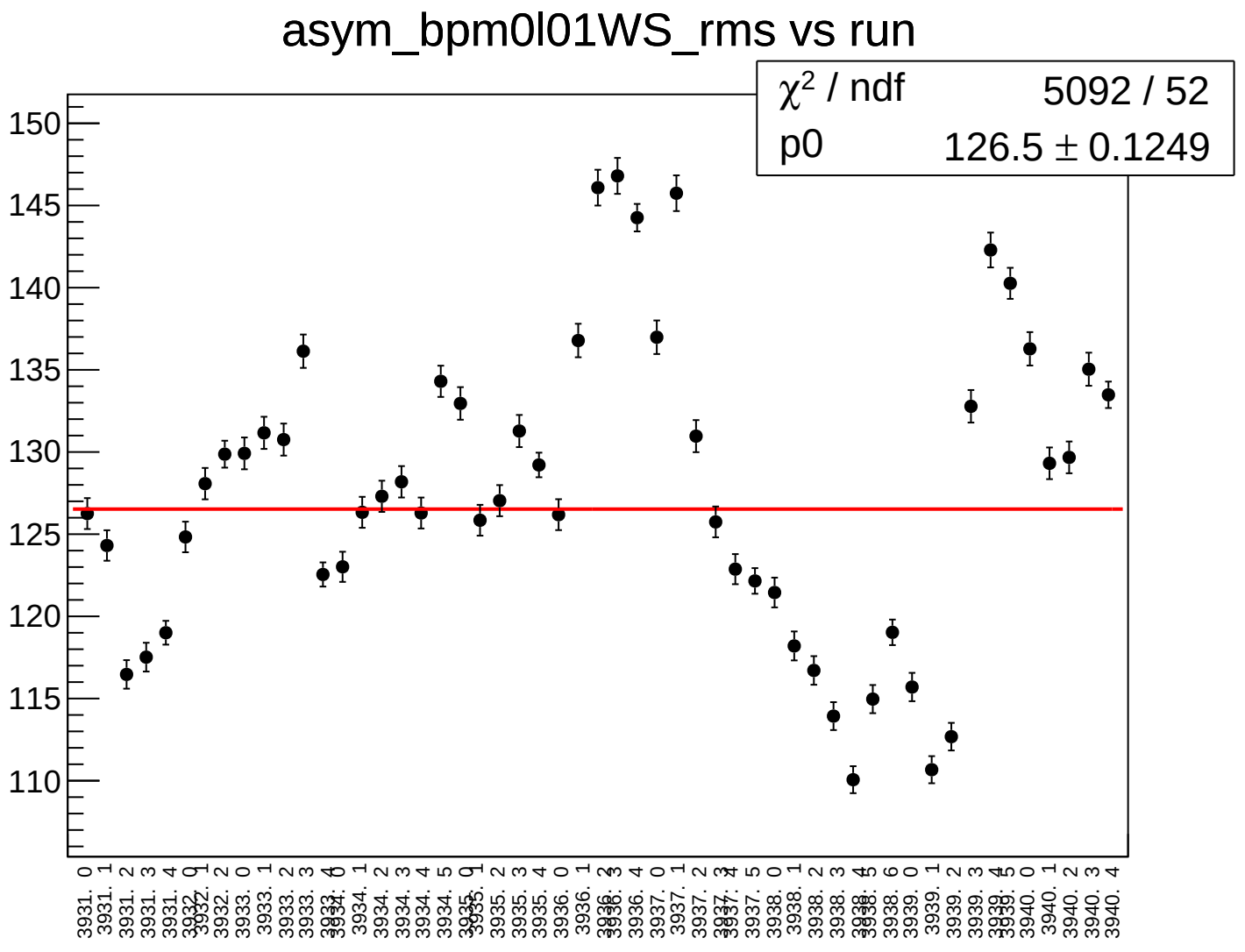

asym_bpm0i07WS_mean vs run
χ² / ndf 44.88 / 52
p0 620 ± 437.8
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −144.2
Std Dev 176.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

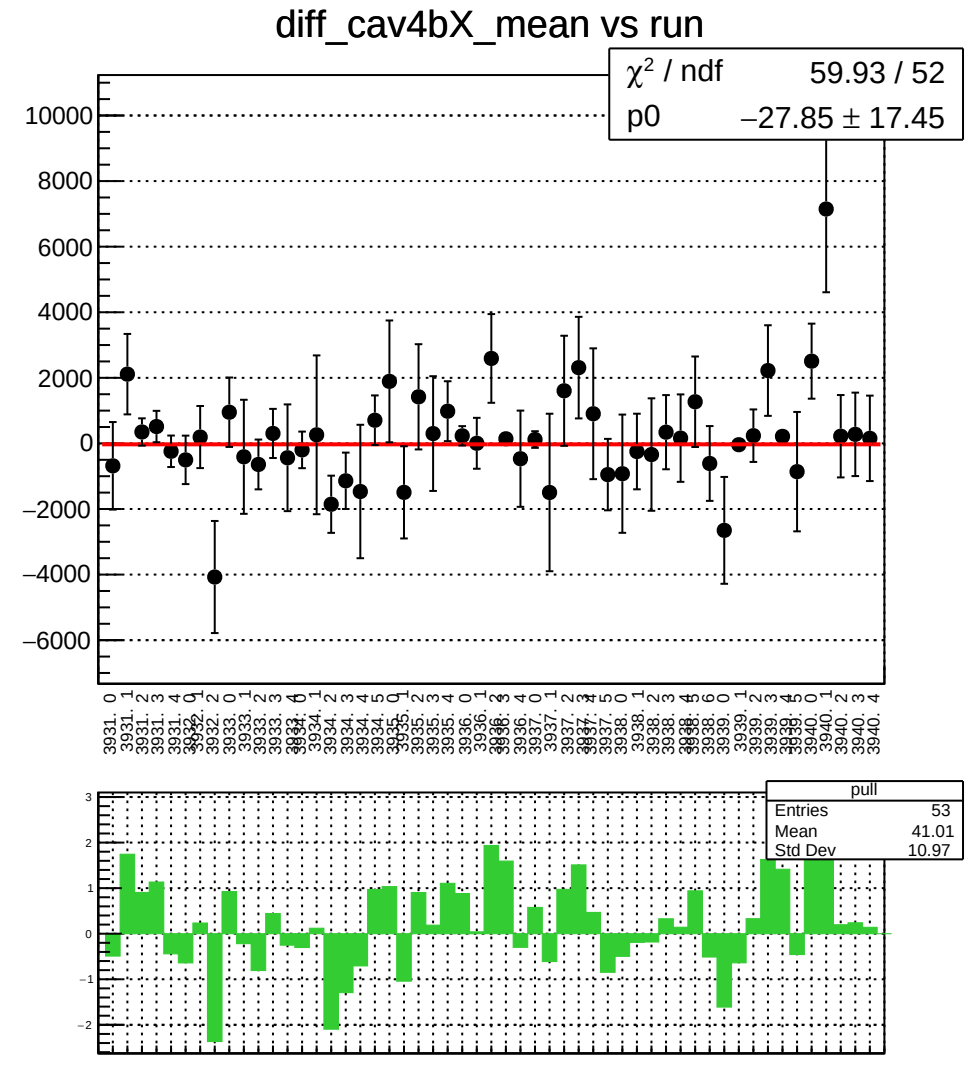

pull1D
Entries 53
Mean −0.01543
Std Dev 0.9201
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

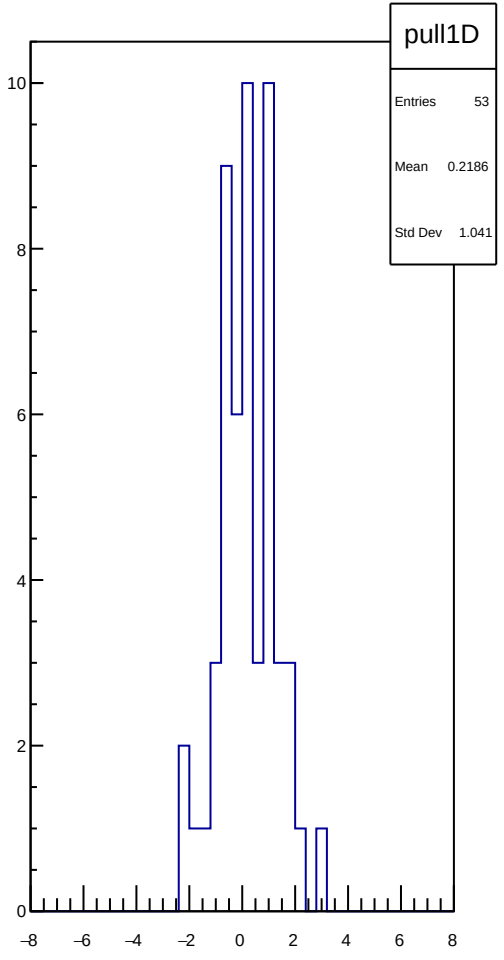

asym_bpm0i07WS_rms vs run
χ² / ndf 7987 / 52
p0 313.1 ± 0.3096
400
380
360
340
320
300
280
260
240

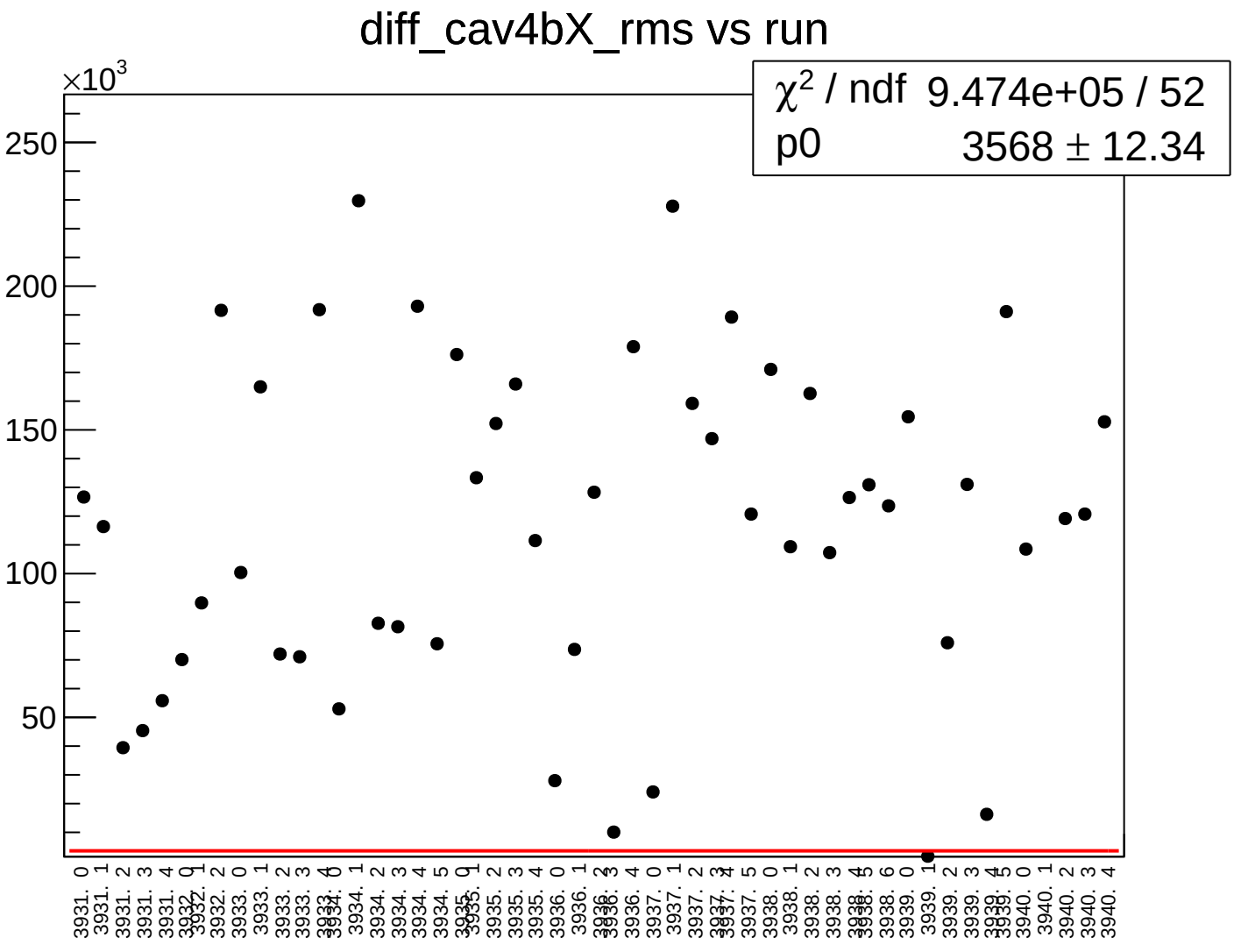

asym_bpm0l01WS_mean vs run
χ^2 / ndf 25.5 / 52
p0 688.6 ± 176.7
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 53
Mean 399.5
Std Dev 372.9
1.5
1
0.5
0
−0.5
−1
−1.5

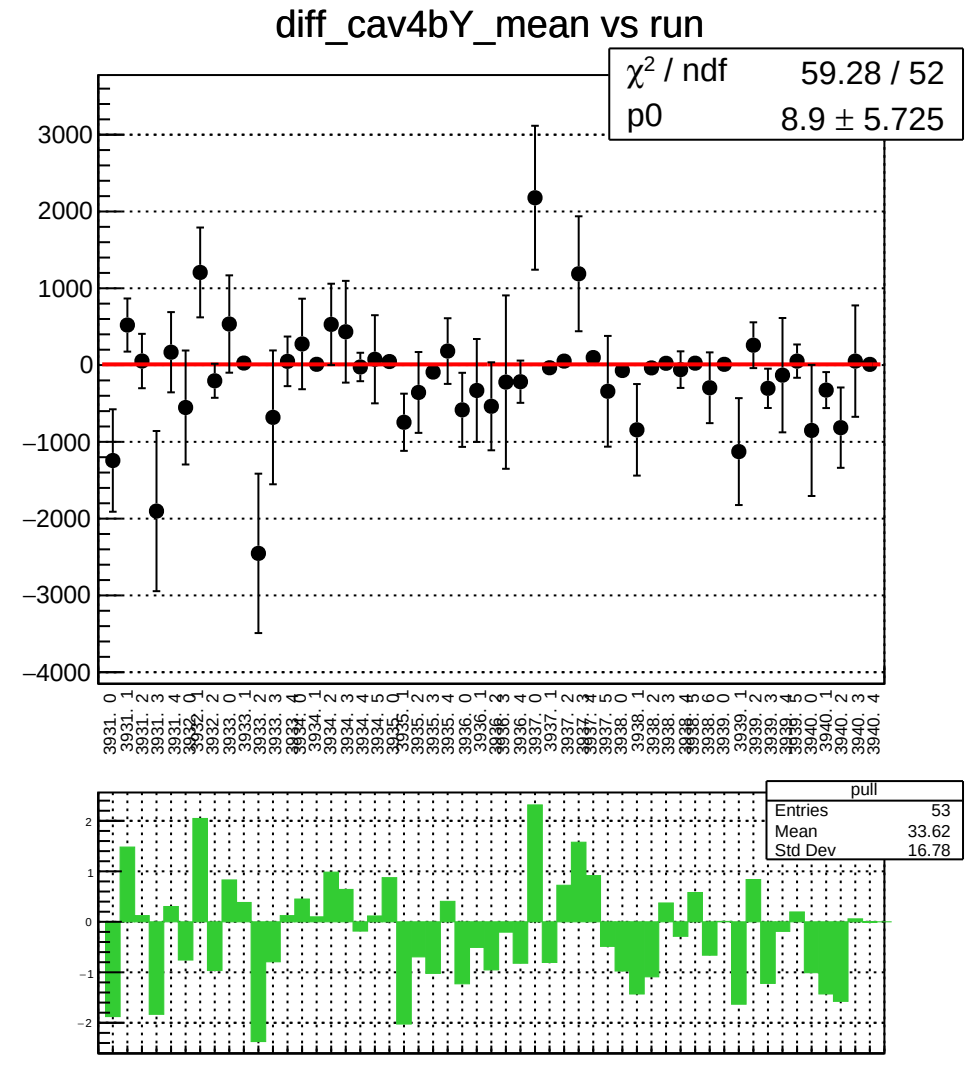

pull1D
Entries 53
Mean 0.01094
Std Dev 0.6935
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

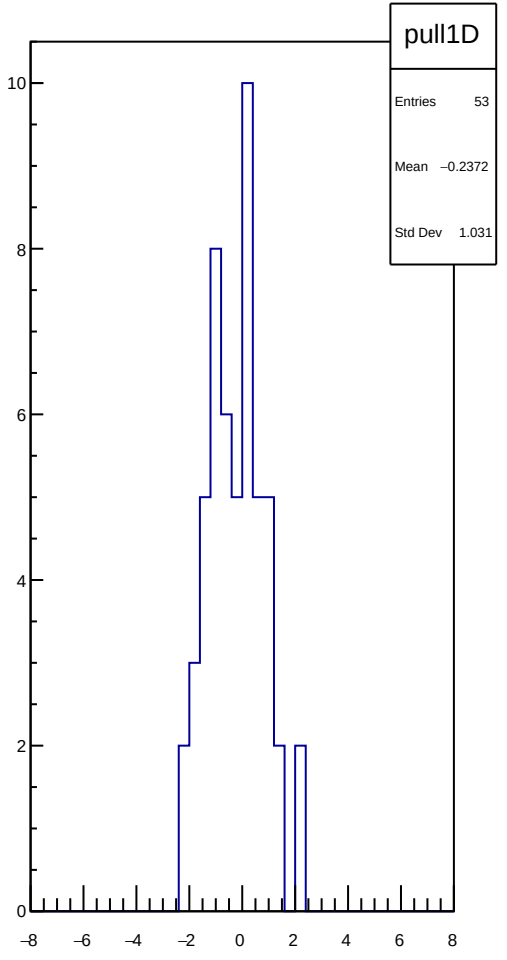

asym_bpm0l01WS_rms vs run
χ² / ndf 5092 / 52
p0 126.5 ± 0.1249
150
145
140
135
130
125
120
115
110

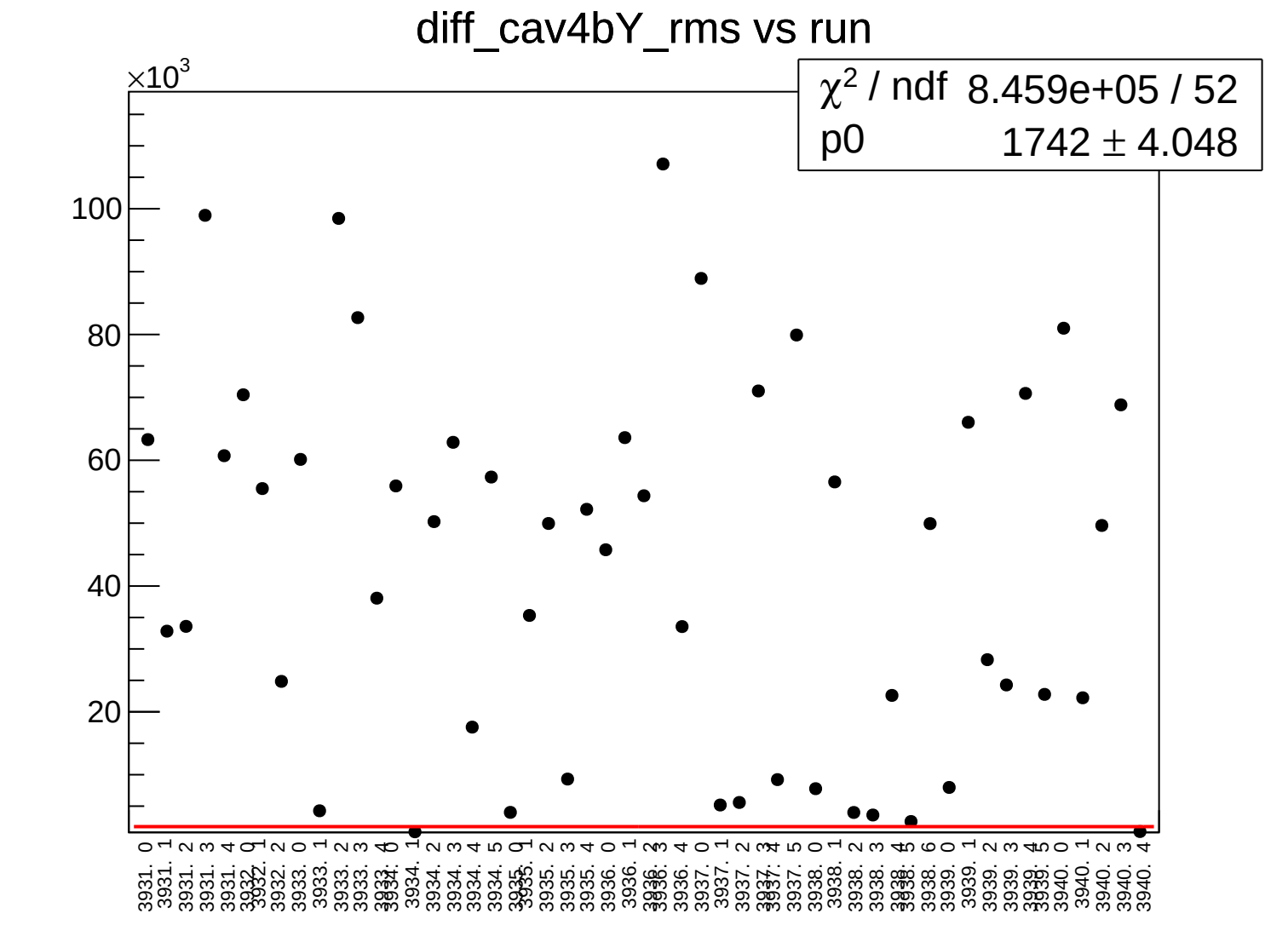

diff_cav4bX_mean vs run
χ² / ndf 59.93 / 52
p0 −27.85 ± 17.45
pull
Entries 53
Mean 41.01
Std Dev 10.97

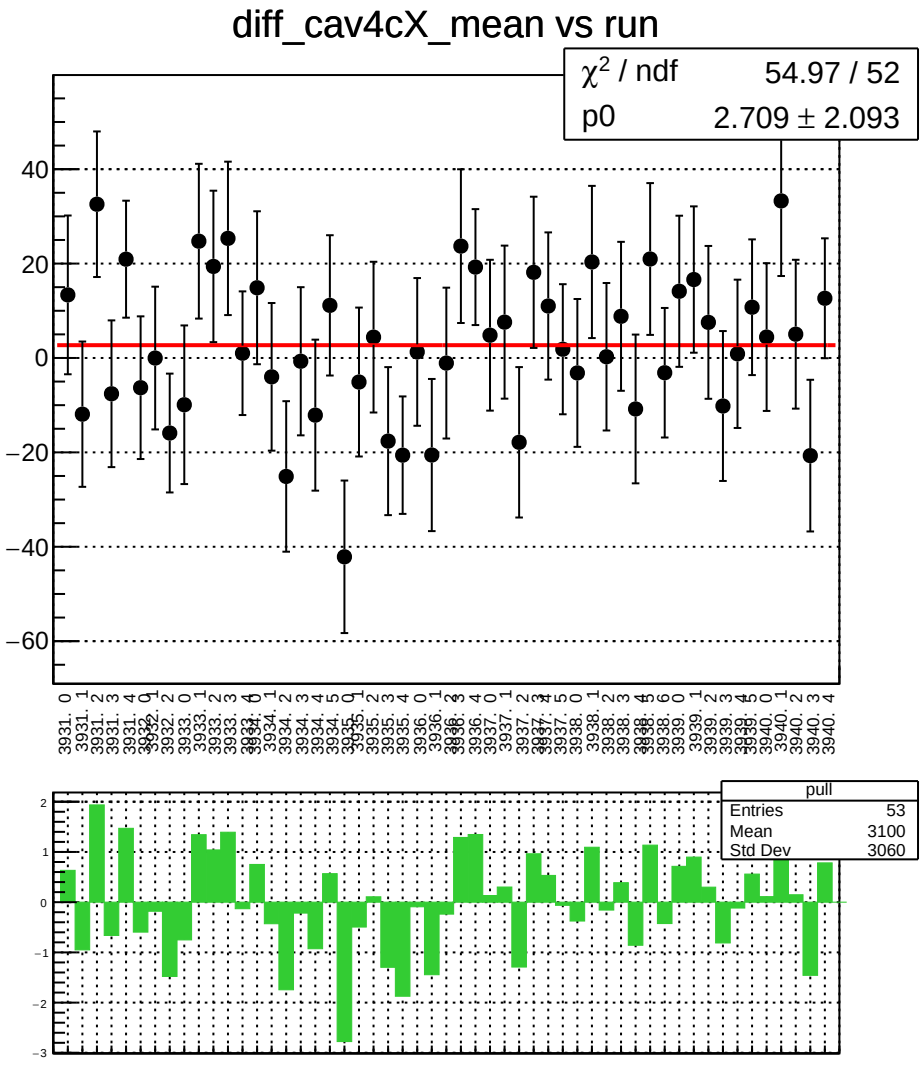

pull1D
Entries 53
Mean 0.2186
Std Dev 1.041

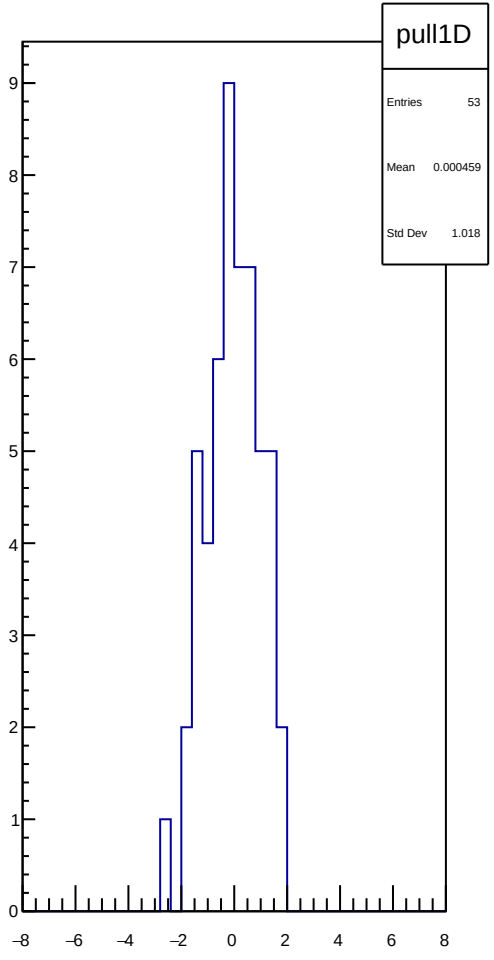

diff_cav4bX_rms vs run
×10^3
χ^2 / ndf 9.474e+05 / 52
p0 3568 ± 12.34
250
200
150
100
50

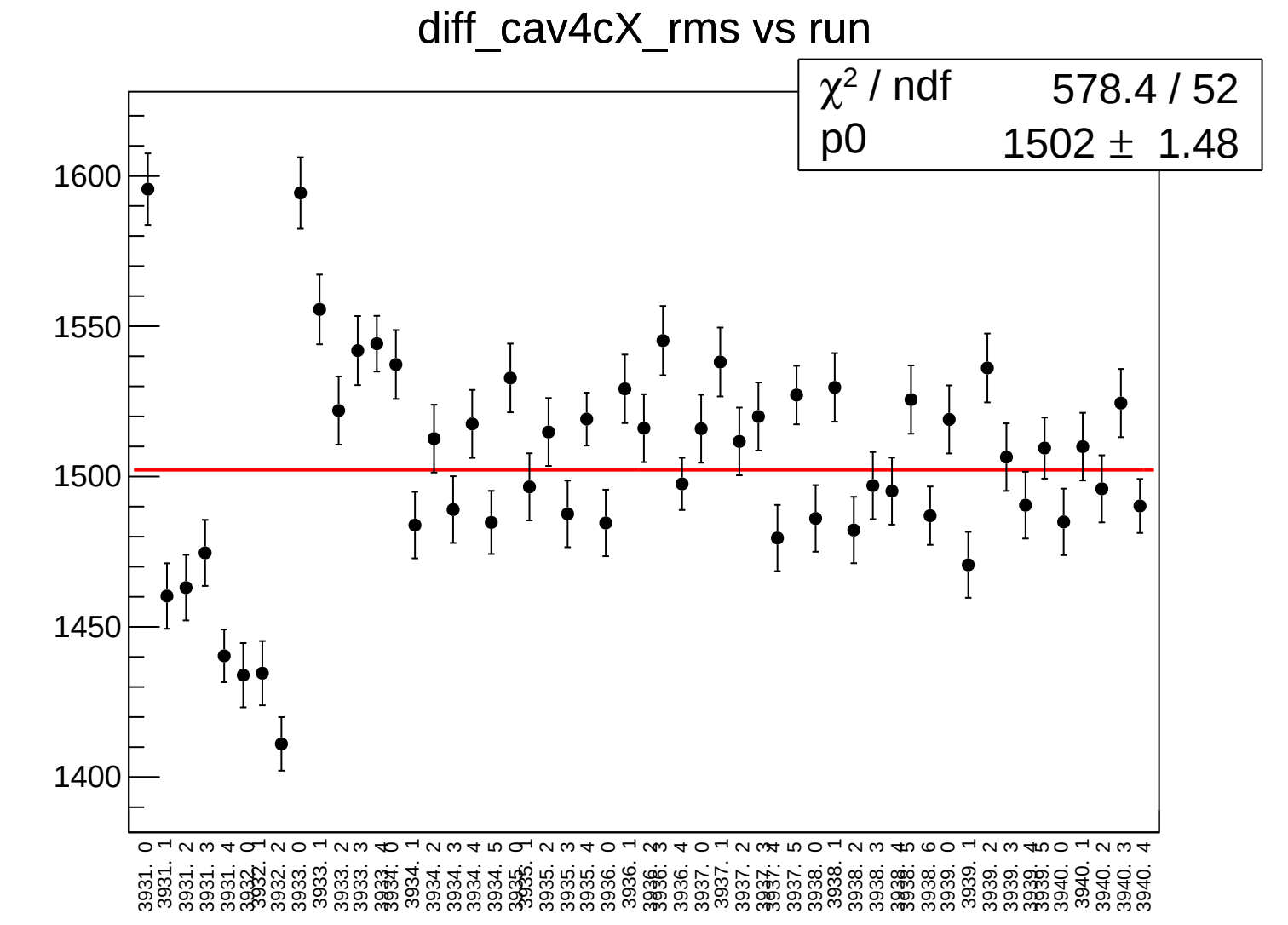

diff_cav4bY_mean vs run
χ² / ndf 59.28 / 52
p0 8.9 ± 5.725
pull
Entries 53
Mean 33.62
Std Dev 16.78

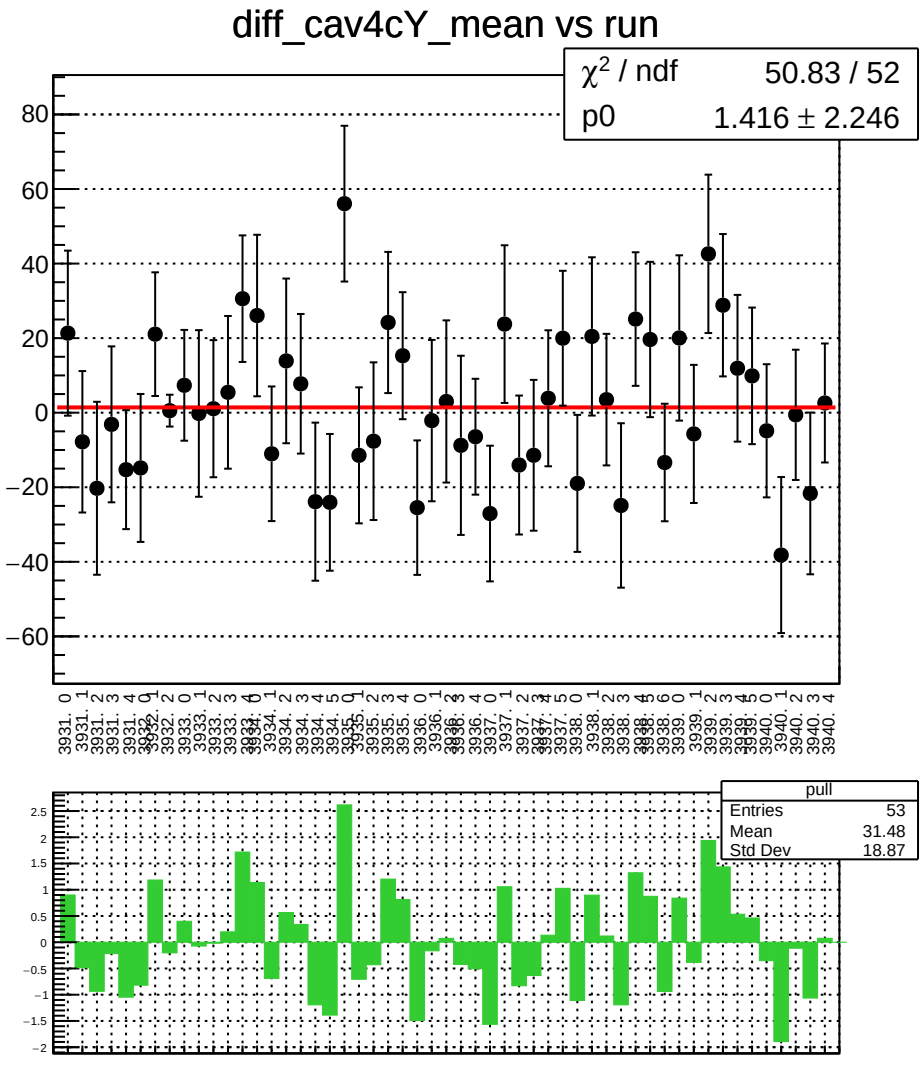

pull1D
Entries 53
Mean −0.2372
Std Dev 1.031

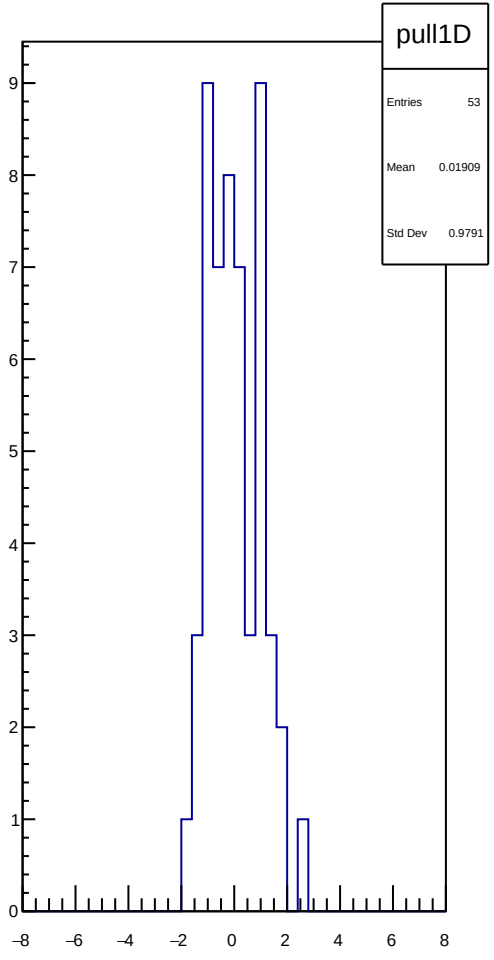

diff_cav4bY_rms vs run
×10^3
χ^2 / ndf 8.459e+05 / 52
p0 1742 ± 4.048
100
80
60
40
20
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

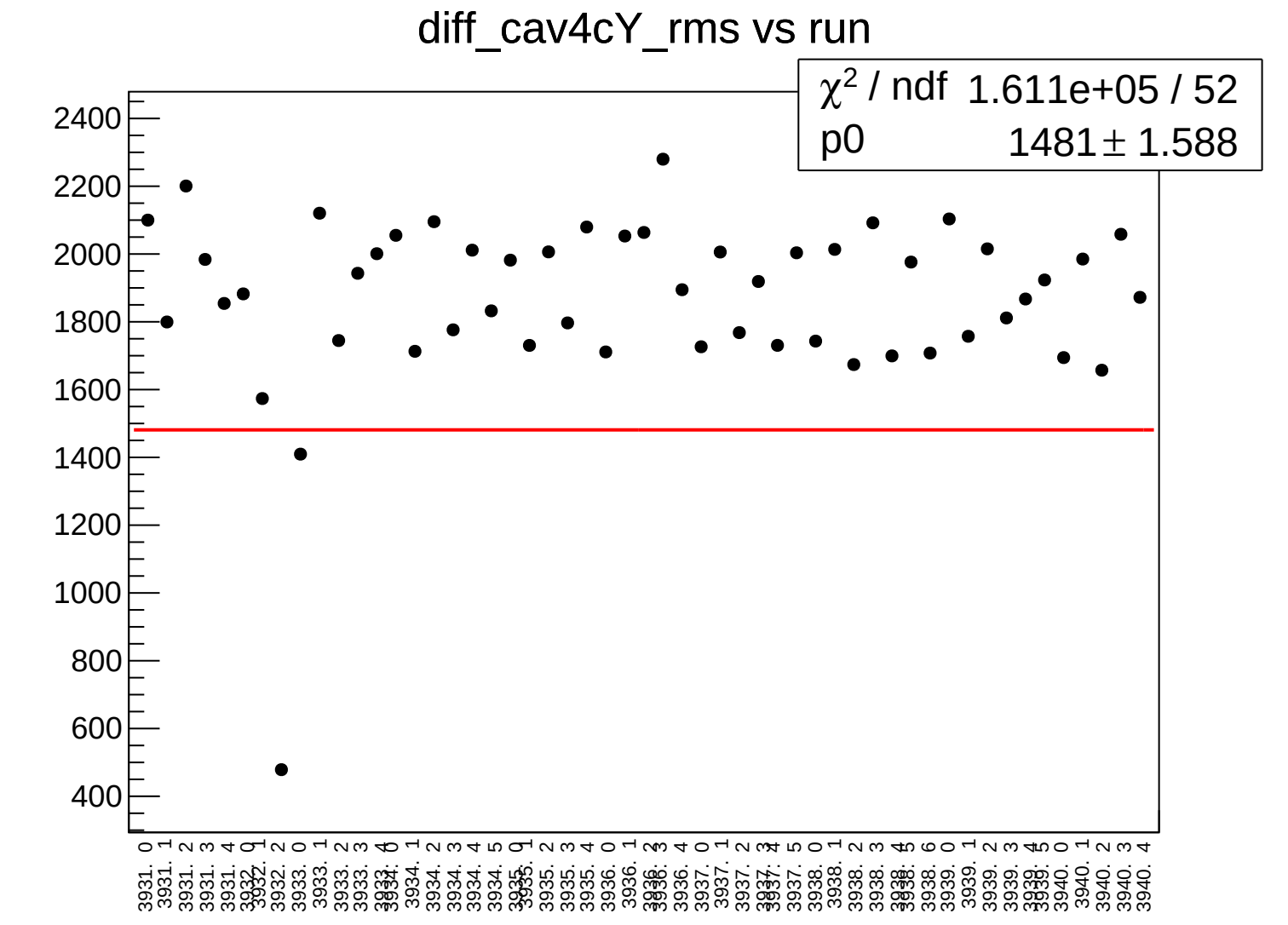

diff_cav4cX_mean vs run
χ^2 / ndf 54.97 / 52
p0 2.709 ± 2.093
pull
Entries 53
Mean 3100
Std Dev 3060

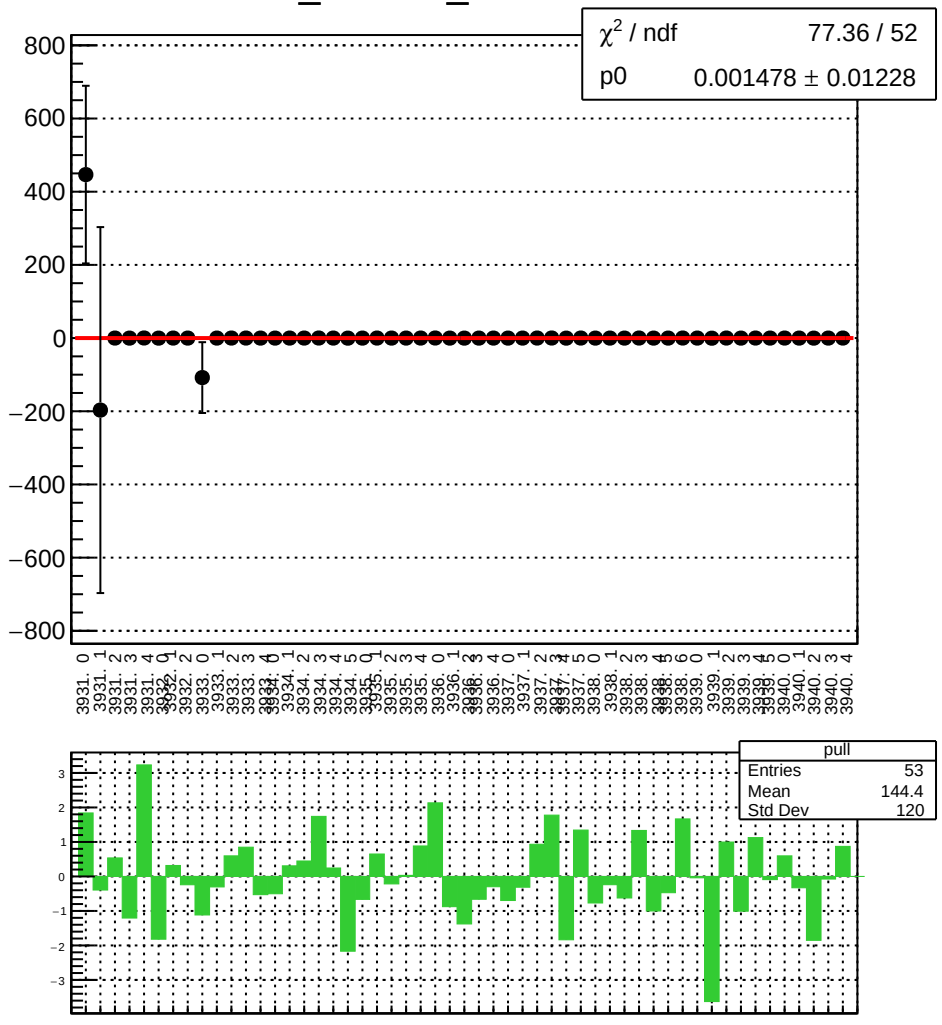

pull1D
Entries 53
Mean 0.000459
Std Dev 1.018

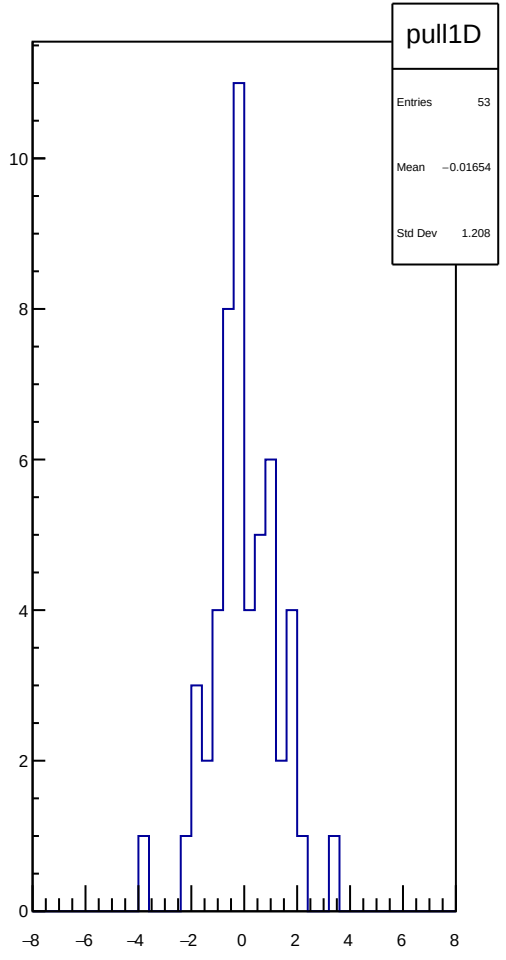

diff_cav4cX_rms vs run
χ² / ndf 578.4 / 52
p0 1502 ± 1.48
1600
1550
1500
1450
1400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

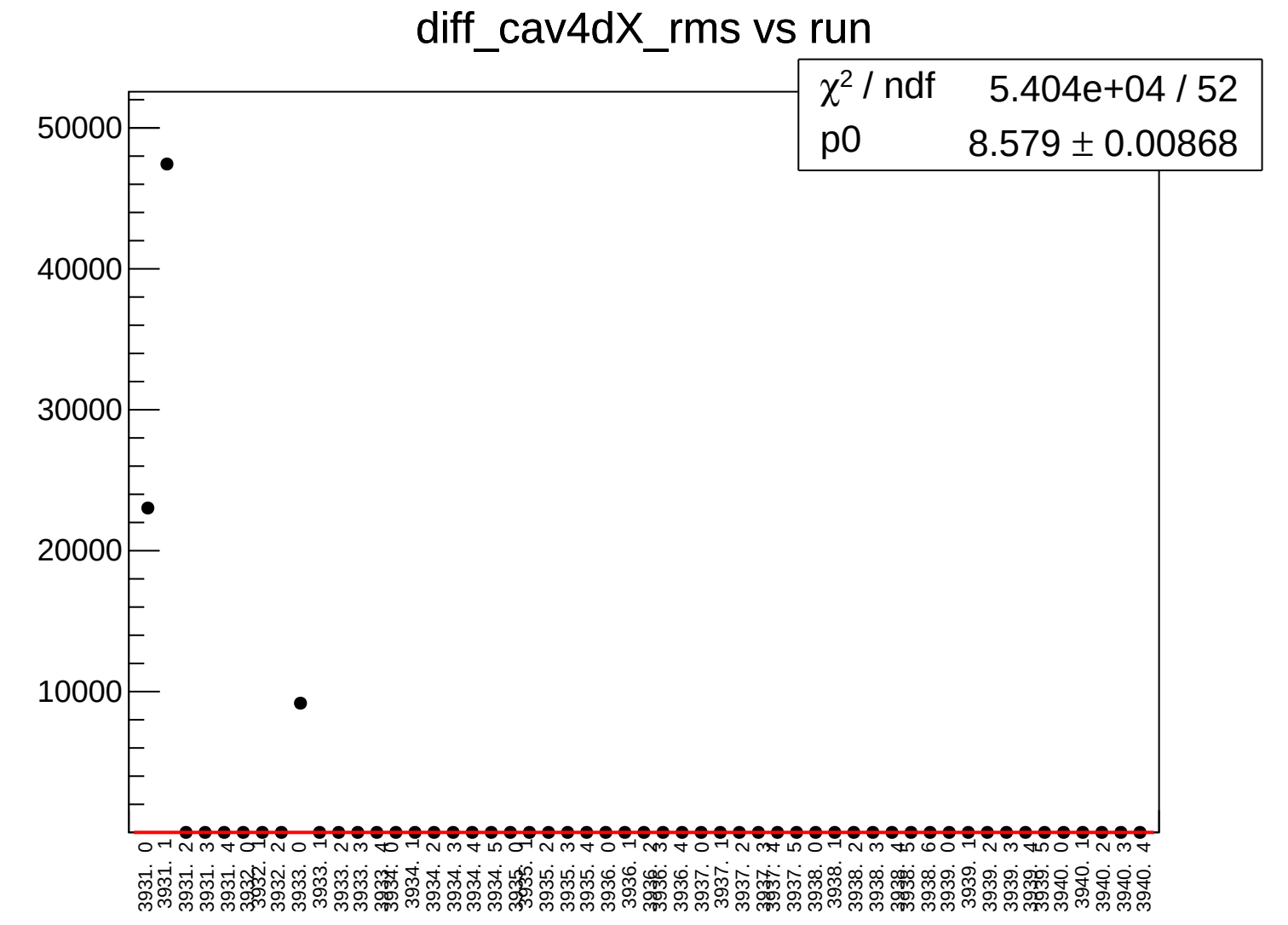

diff_cav4cY_mean vs run
χ² / ndf 50.83 / 52
p0 1.416 ± 2.246
pull
Entries 53
Mean 31.48
Std Dev 18.87

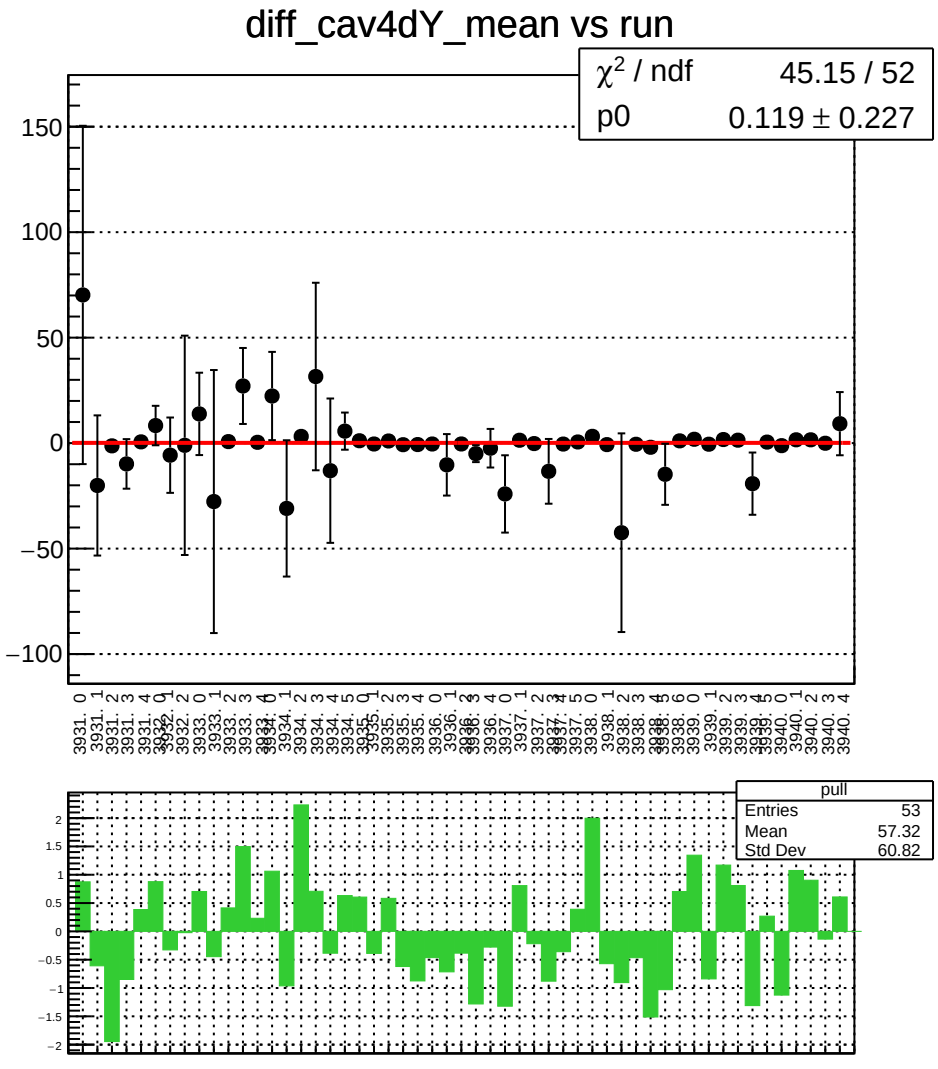

pull1D
Entries 53
Mean 0.01909
Std Dev 0.9791

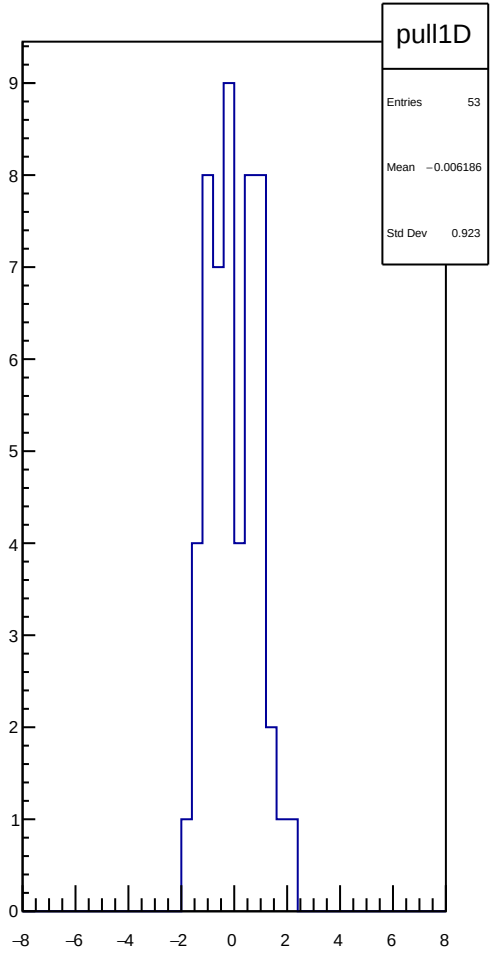

diff_cav4cY_rms vs run
χ² / ndf 1.611e+05 / 52
p0 1481 ± 1.588
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

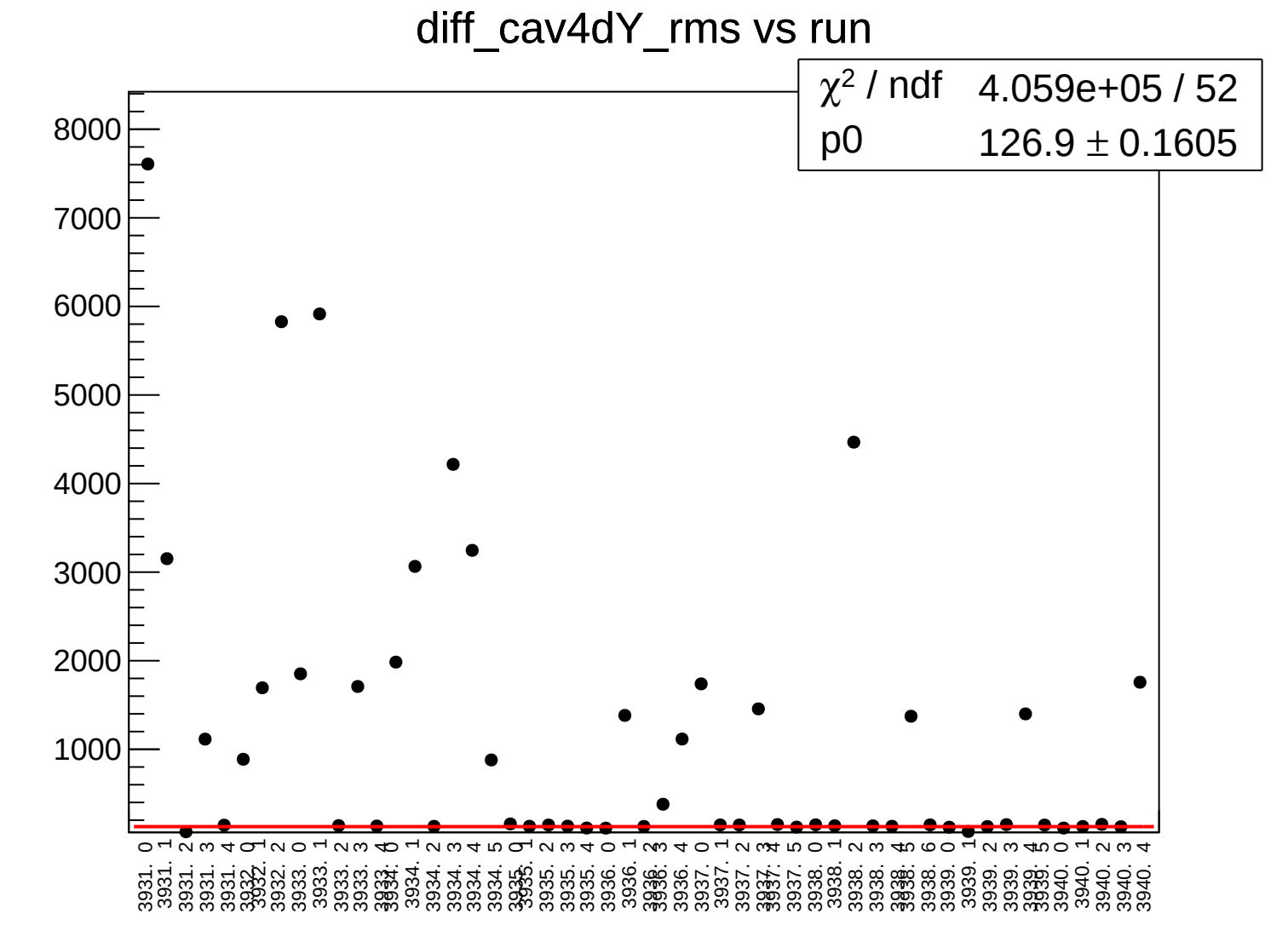

diff_cav4dX_mean vs run
χ² / ndf 77.36 / 52
p0 0.001478 ± 0.01228
pull
Entries 53
Mean 144.4
Std Dev 120

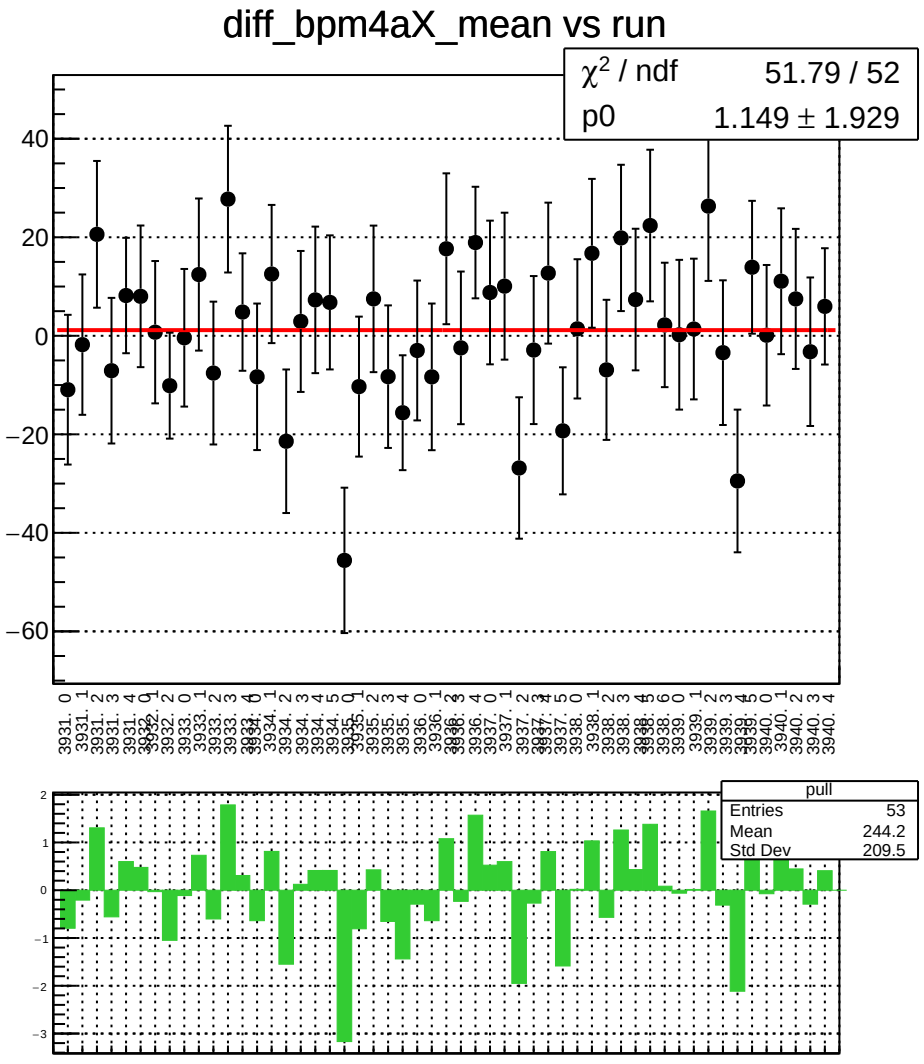

pull1D
Entries 53
Mean −0.01654
Std Dev 1.208

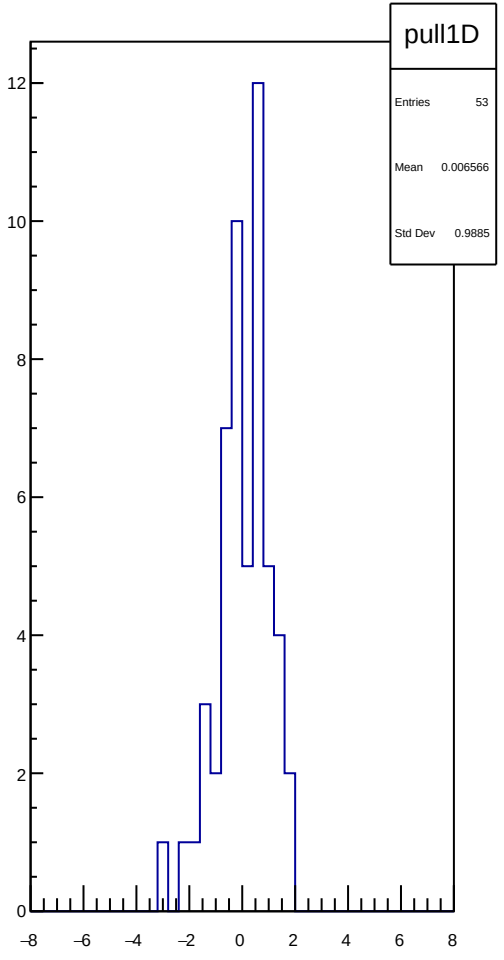

diff_cav4dX_rms vs run
χ^2 / ndf 5.404e+04 / 52
p0 8.579 ± 0.00868
50000
40000
30000
20000
10000

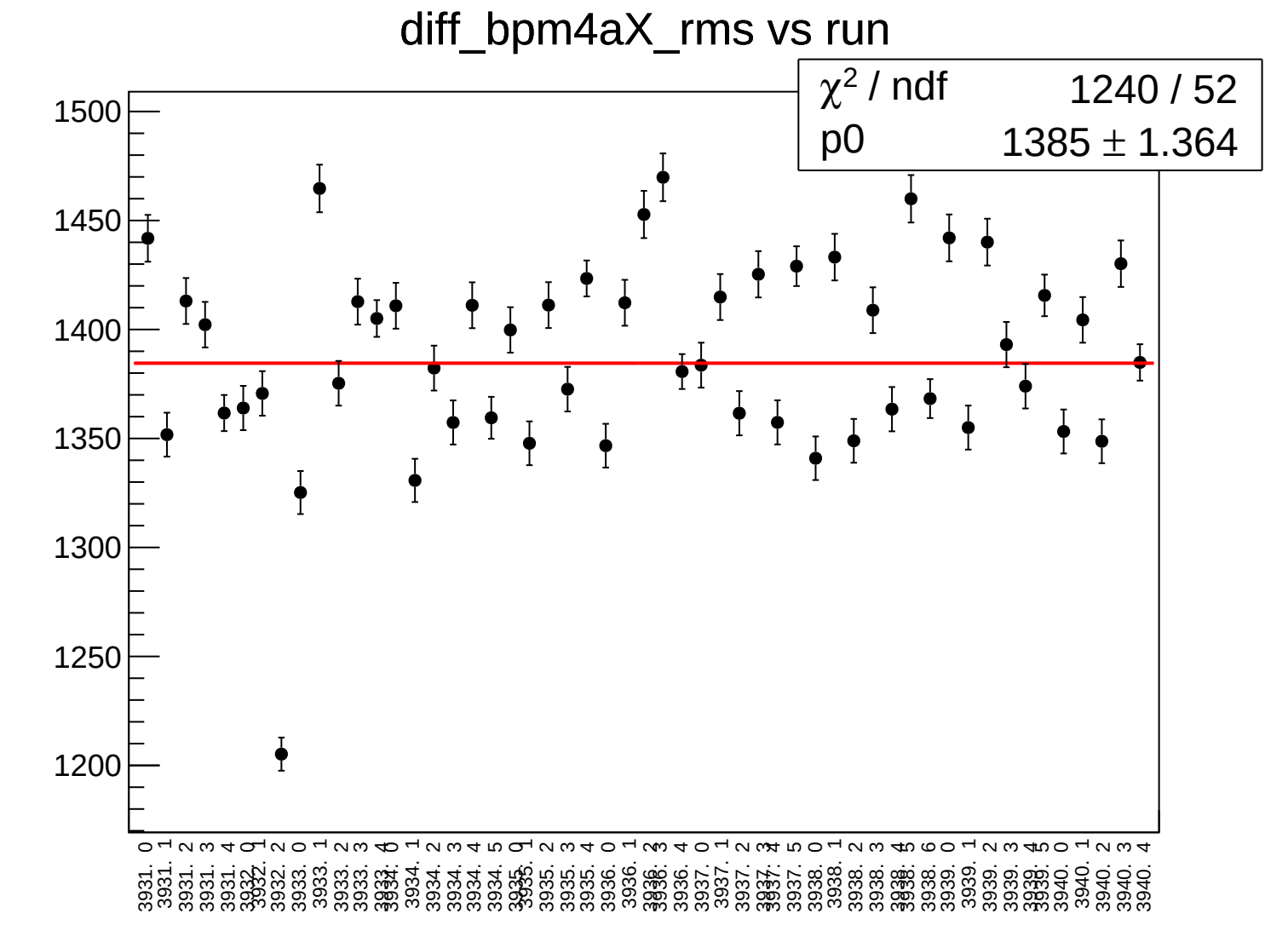

diff_cav4dY_mean vs run
χ^2 / ndf 45.15 / 52
p0 0.119 ± 0.227
150
100
50
0
−50
−100
pull
Entries 53
Mean 57.32
Std Dev 60.82
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

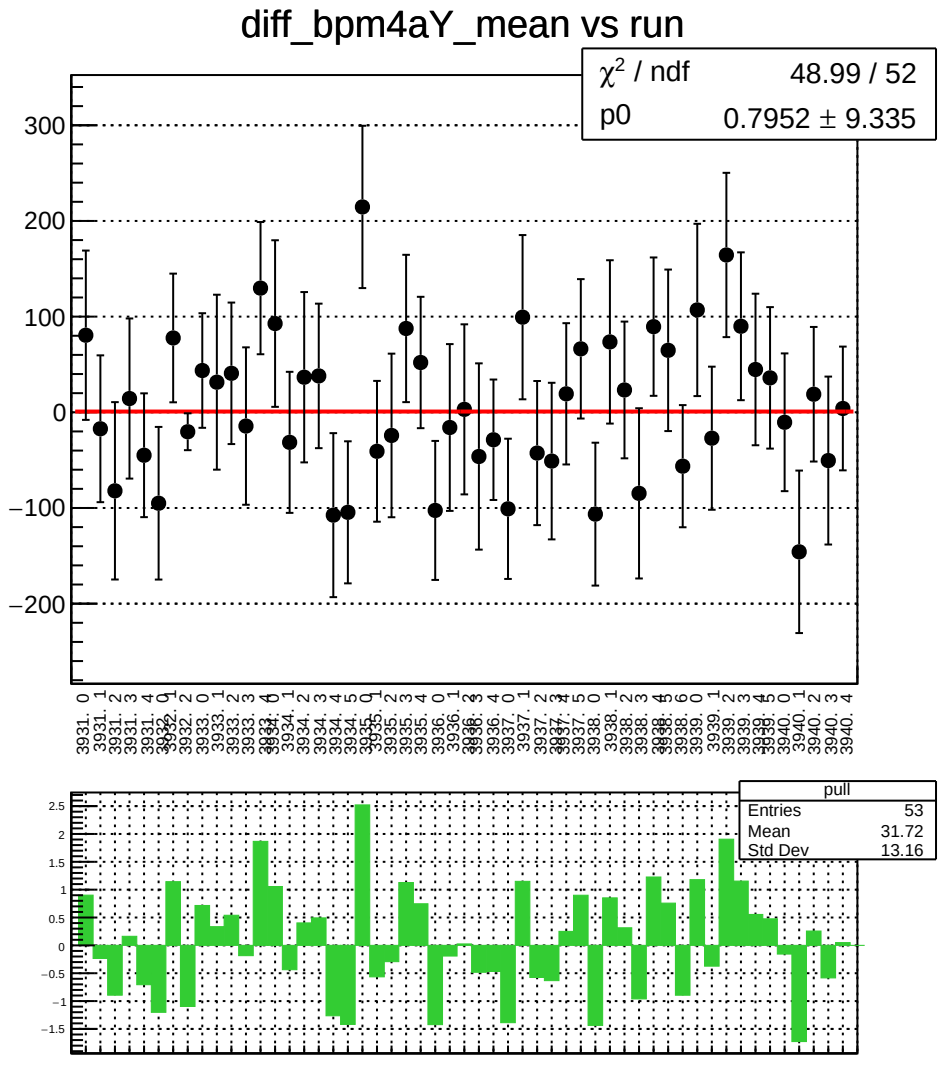

pull1D
Entries 53
Mean −0.006186
Std Dev 0.923
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

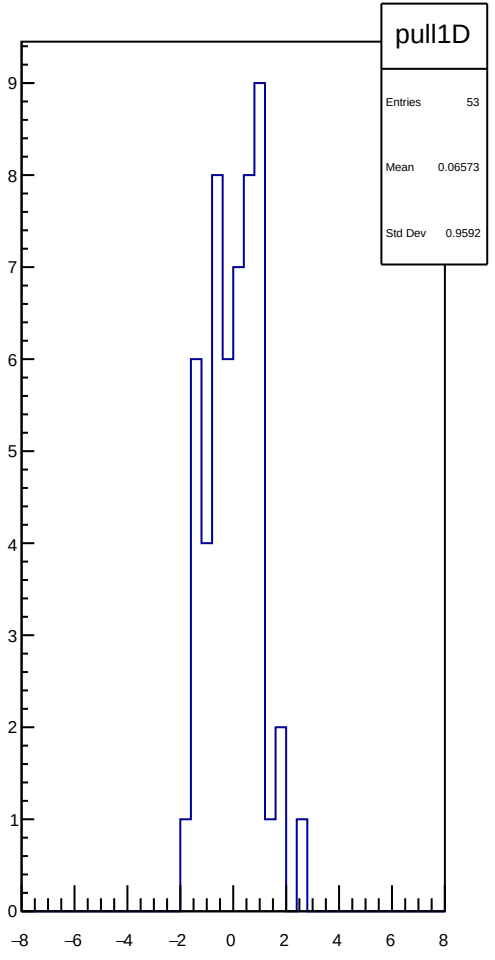

diff_cav4dY_rms vs run
χ² / ndf 4.059e+05 / 52
p0 126.9 ± 0.1605
8000
7000
6000
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

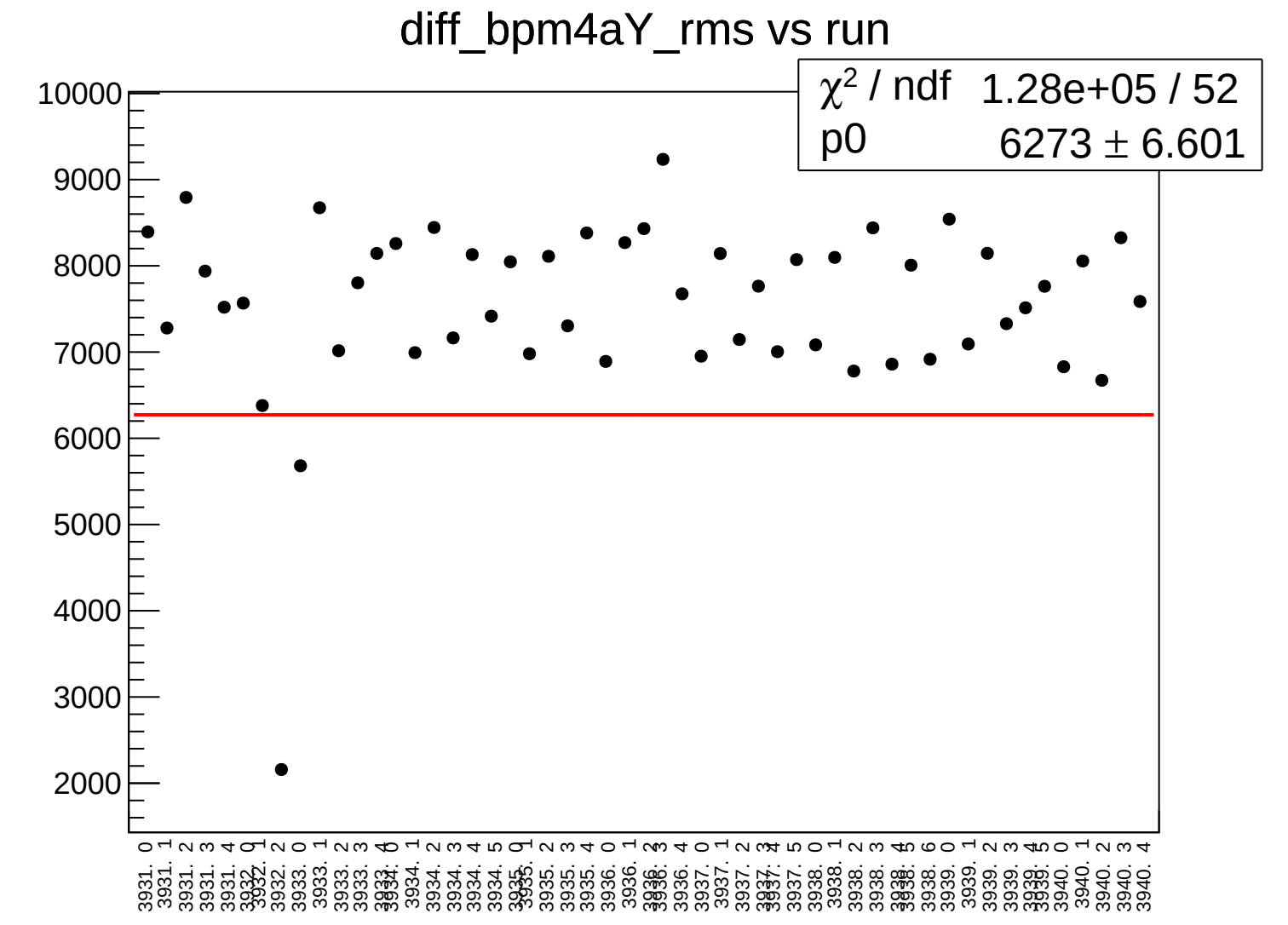

diff_bpm4aX_mean vs run
χ² / ndf 51.79 / 52
p0 1.149 ± 1.929
pull
Entries 53
Mean 244.2
Std Dev 209.5

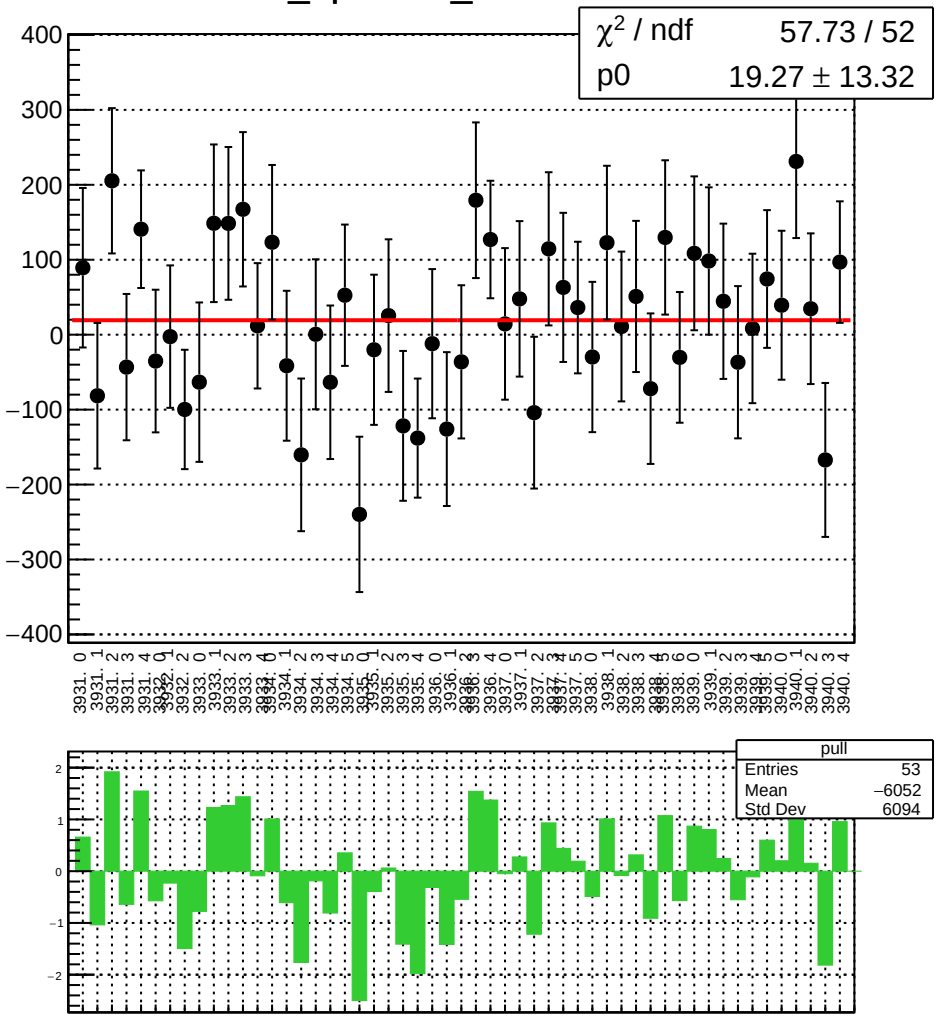

pull1D
Entries 53
Mean 0.006566
Std Dev 0.9885

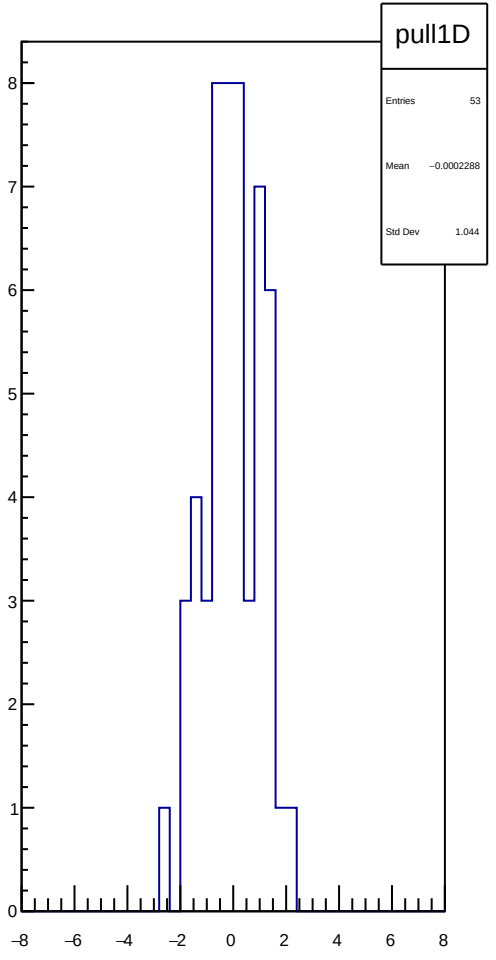

diff_bpm4aX_rms vs run
χ² / ndf 1240 / 52
p0 1385 ± 1.364
1500
1450
1400
1350
1300
1250
1200

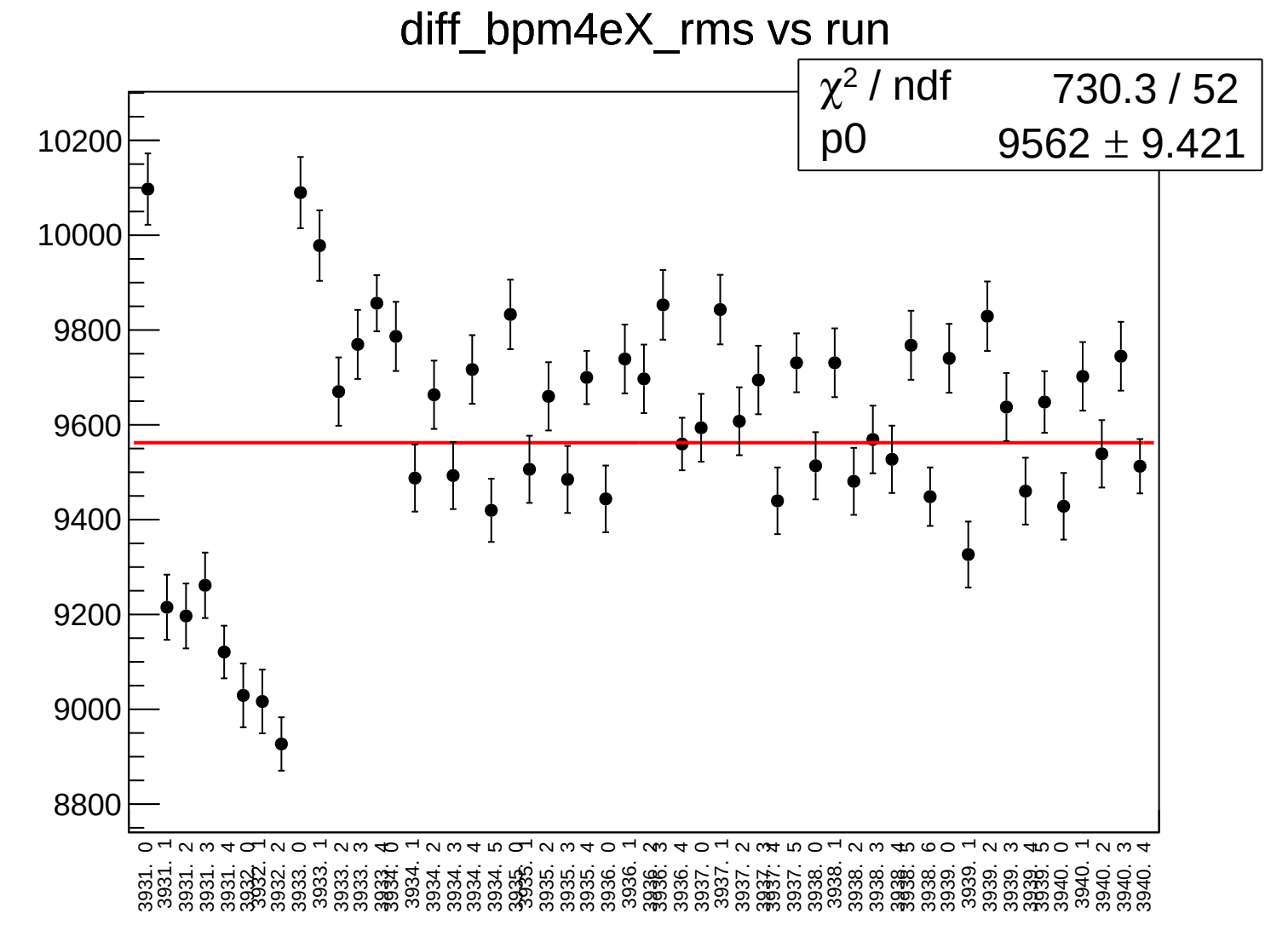

diff_bpm4aY_mean vs run
χ² / ndf 48.99 / 52
p0 0.7952 ± 9.335
pull
Entries 53
Mean 31.72
Std Dev 13.16

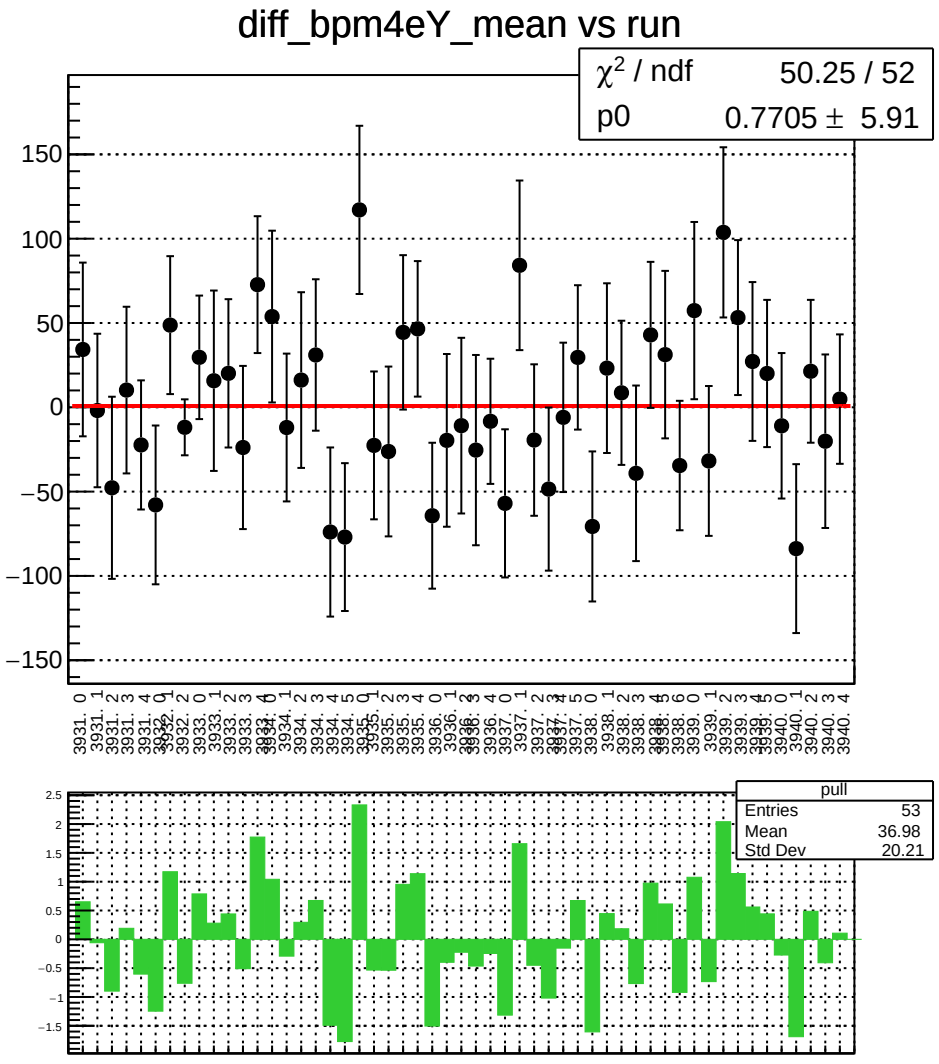

pull1D
Entries 53
Mean 0.06573
Std Dev 0.9592

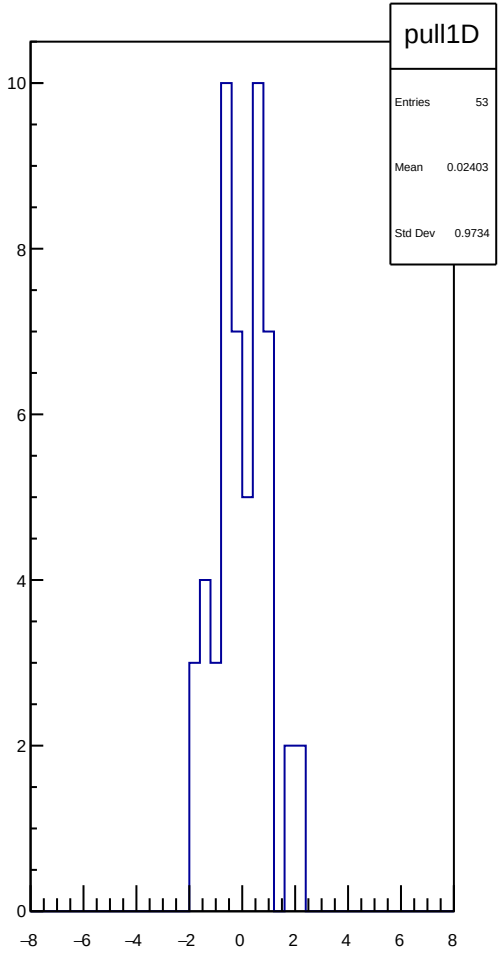

diff_bpm4aY_rms vs run
χ^2 / ndf 1.28e+05 / 52
p0 6273 ± 6.601
10000
9000
8000
7000
6000
5000
4000
3000
2000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

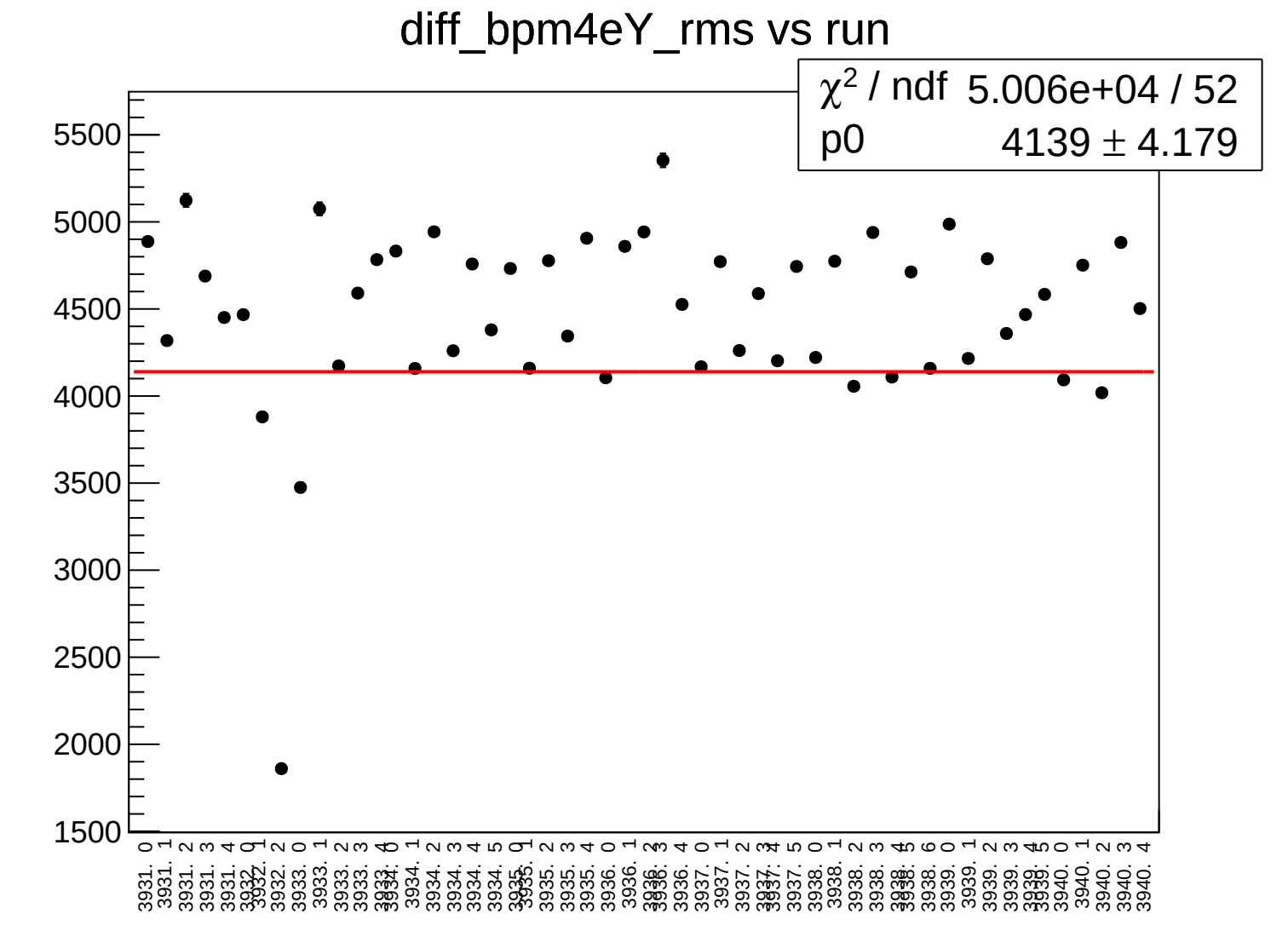

diff_bpm4eX_mean vs run
χ² / ndf 57.73 / 52
p0 19.27 ± 13.32
pull
Entries 53
Mean −6052
Std Dev 6094

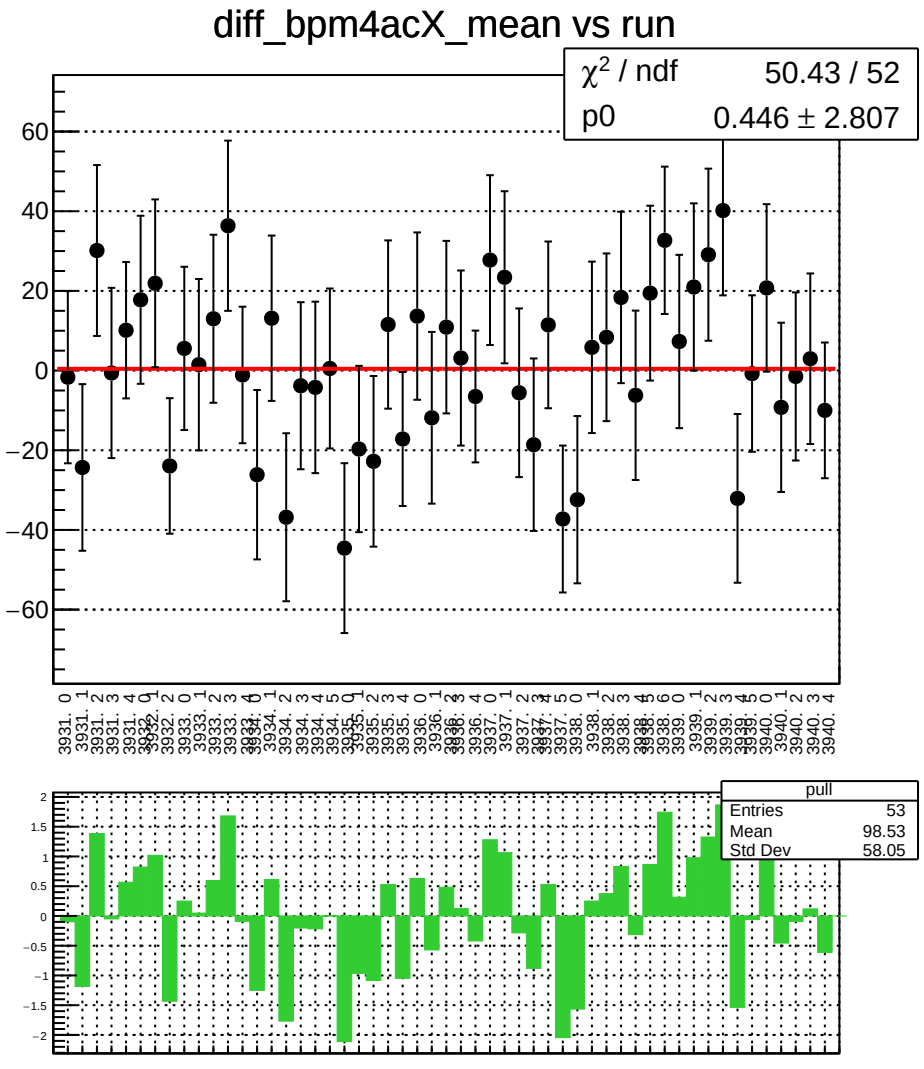

pull1D
Entries 53
Mean −0.0002288
Std Dev 1.044

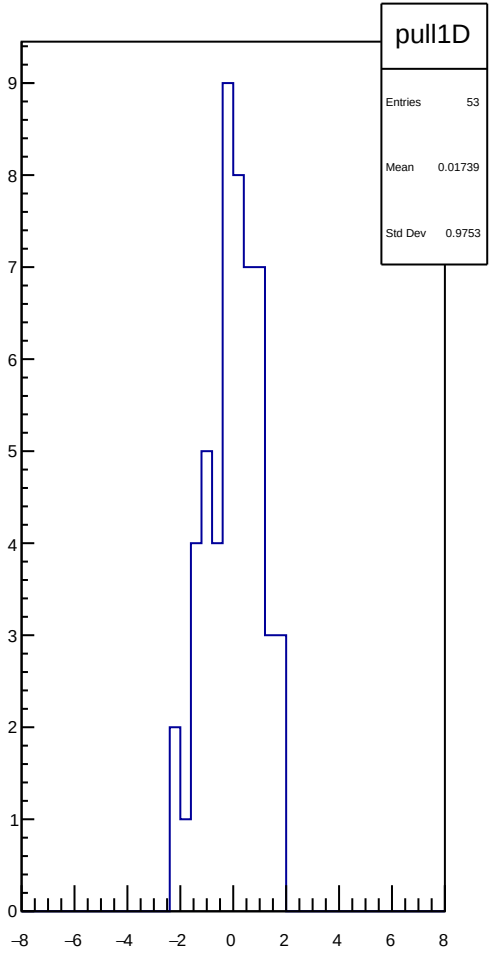

diff_bpm4eX_rms vs run
χ² / ndf 730.3 / 52
p0 9562 ± 9.421
10200
10000
9800
9600
9400
9200
9000
8800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

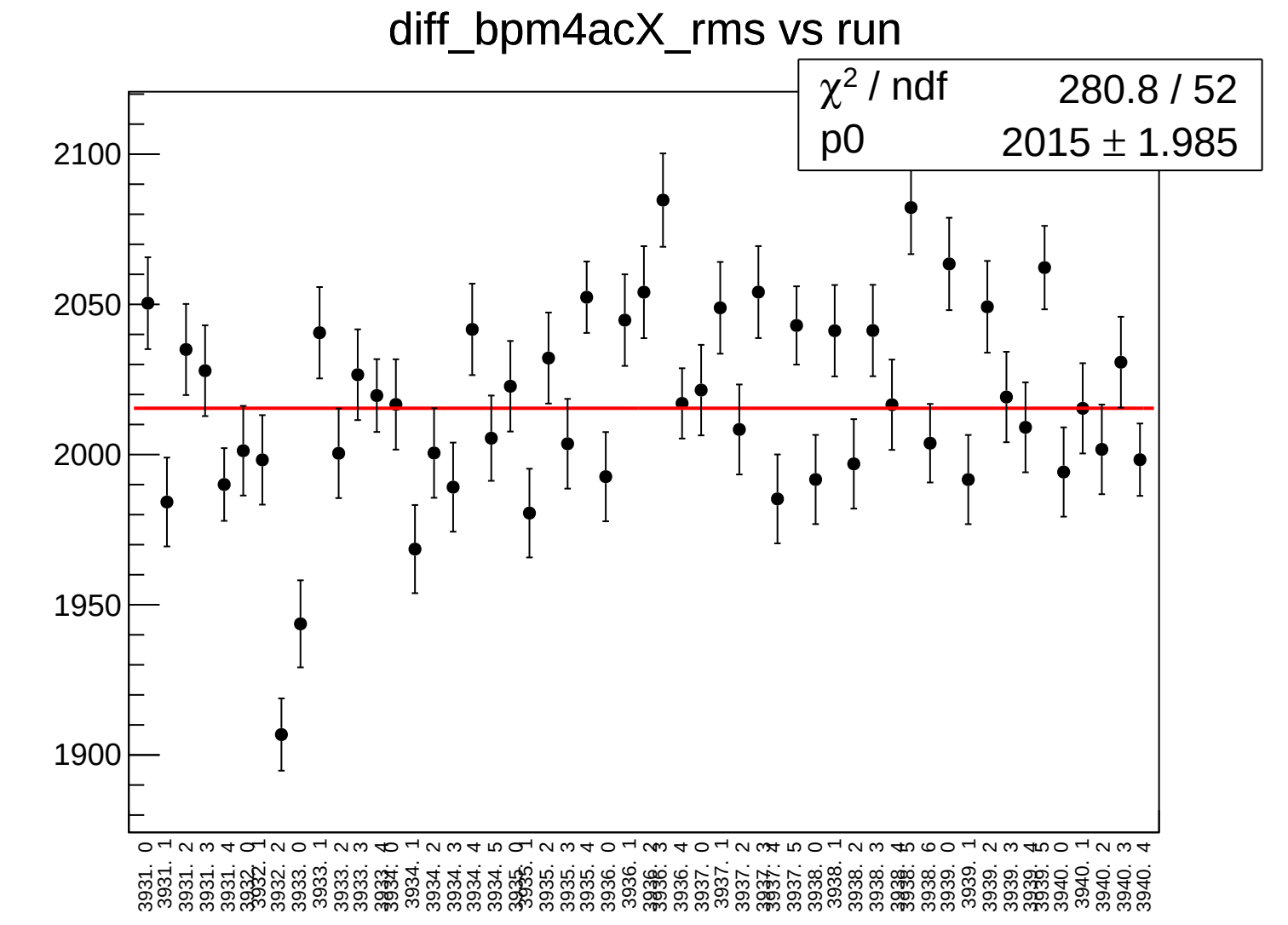

diff_bpm4eY_mean vs run
χ^2 / ndf 50.25 / 52
p0 0.7705 ± 5.91
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean 36.98
Std Dev 20.21
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

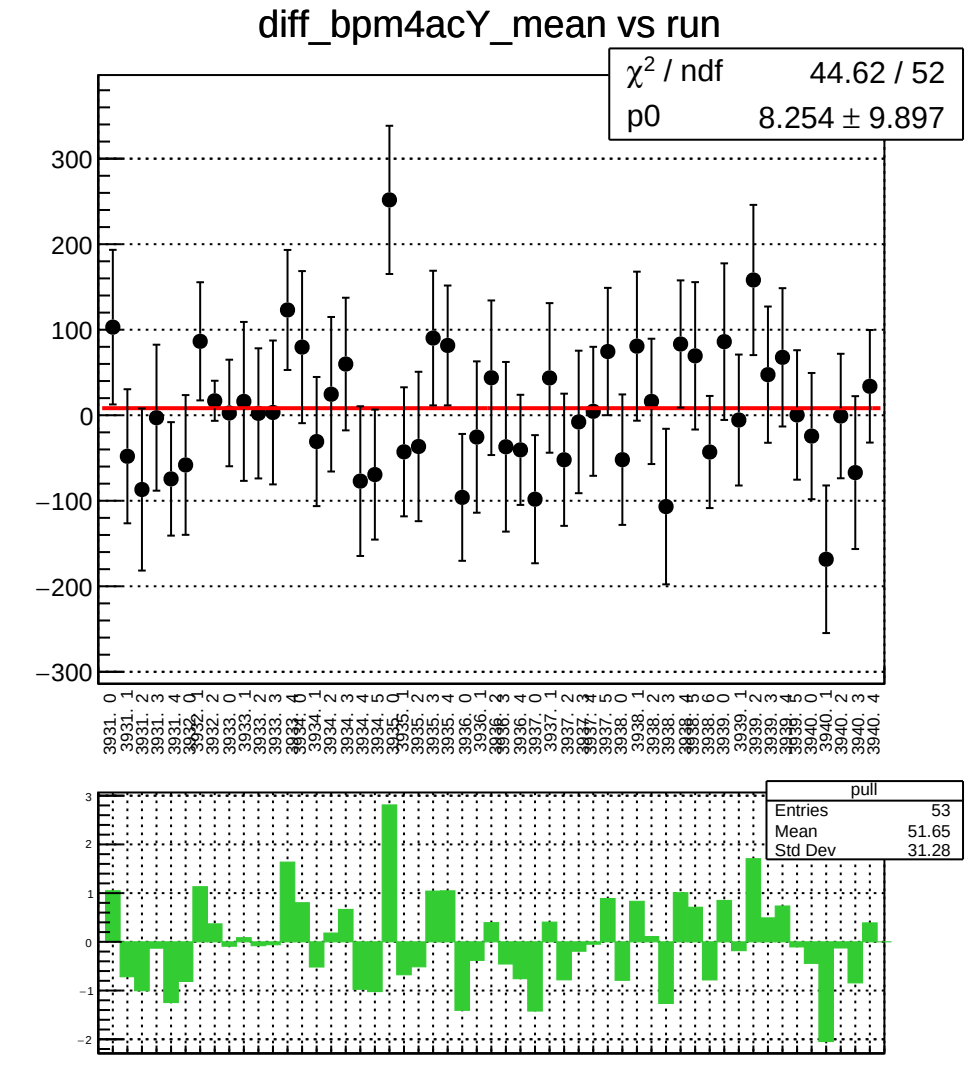

pull1D
Entries 53
Mean 0.02403
Std Dev 0.9734
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

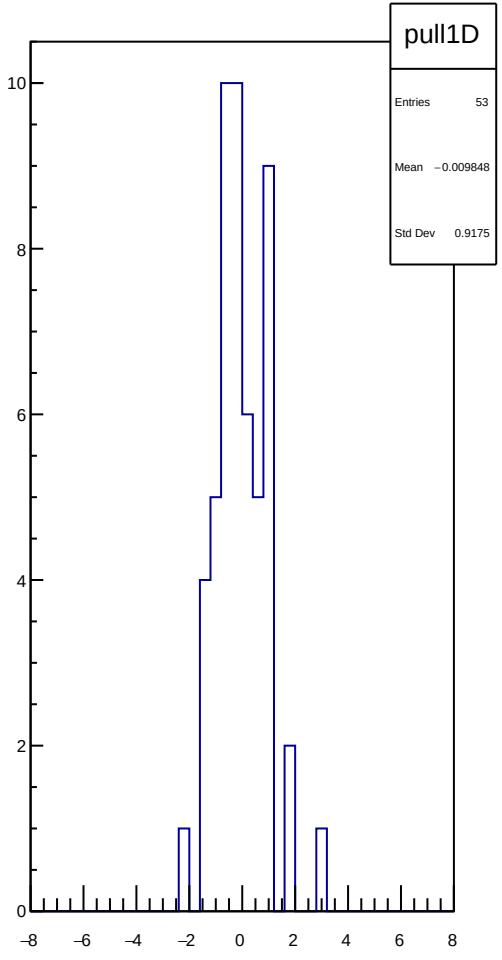

diff_bpm4eY_rms vs run
χ² / ndf 5.006e+04 / 52
p0 4139 ± 4.179
5500
5000
4500
4000
3500
3000
2500
2000
1500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

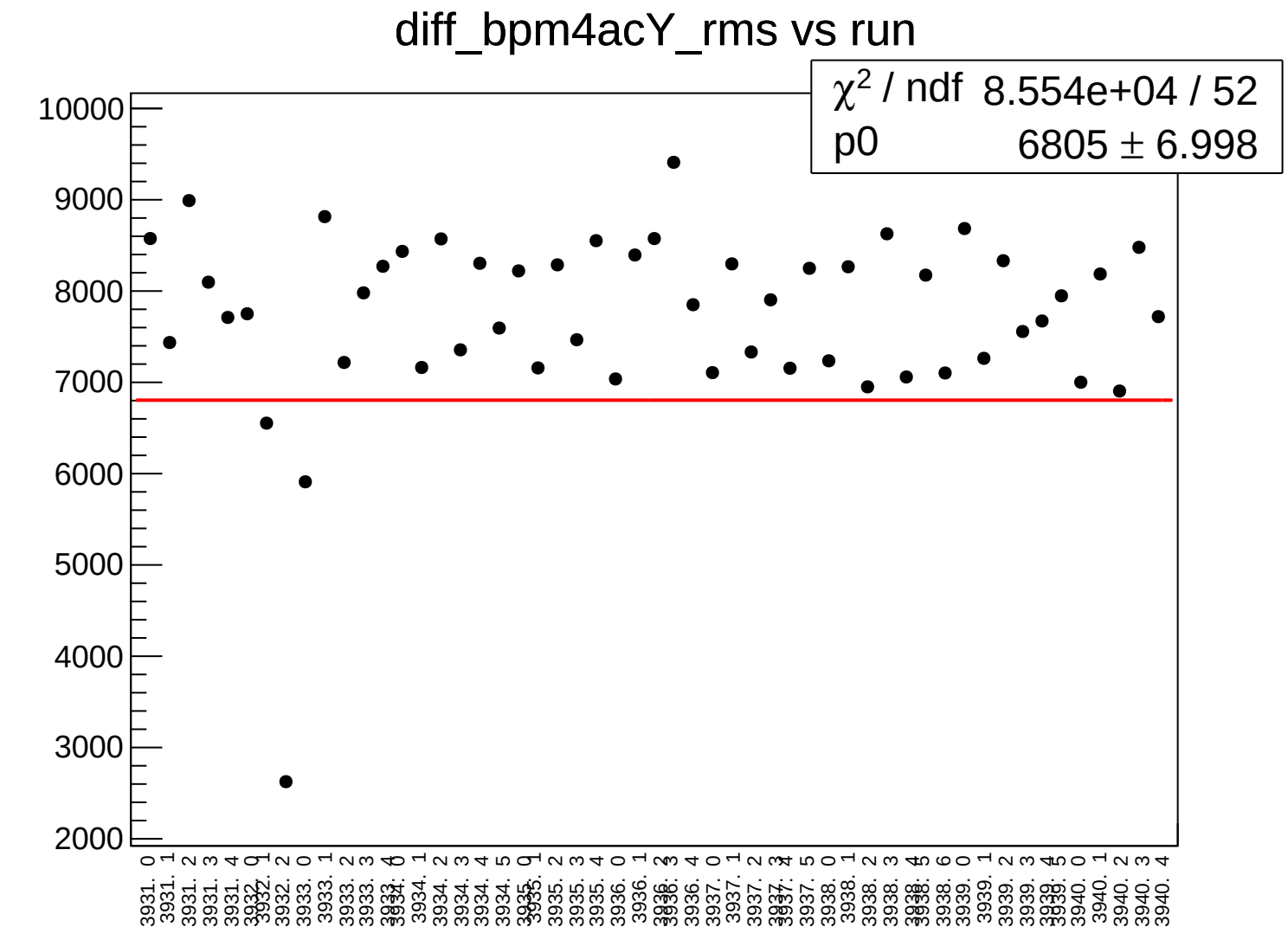

diff_bpm4acX_mean vs run
χ^2 / ndf 50.43 / 52
p0 0.446 ± 2.807
pull
Entries 53
Mean 98.53
Std Dev 58.05

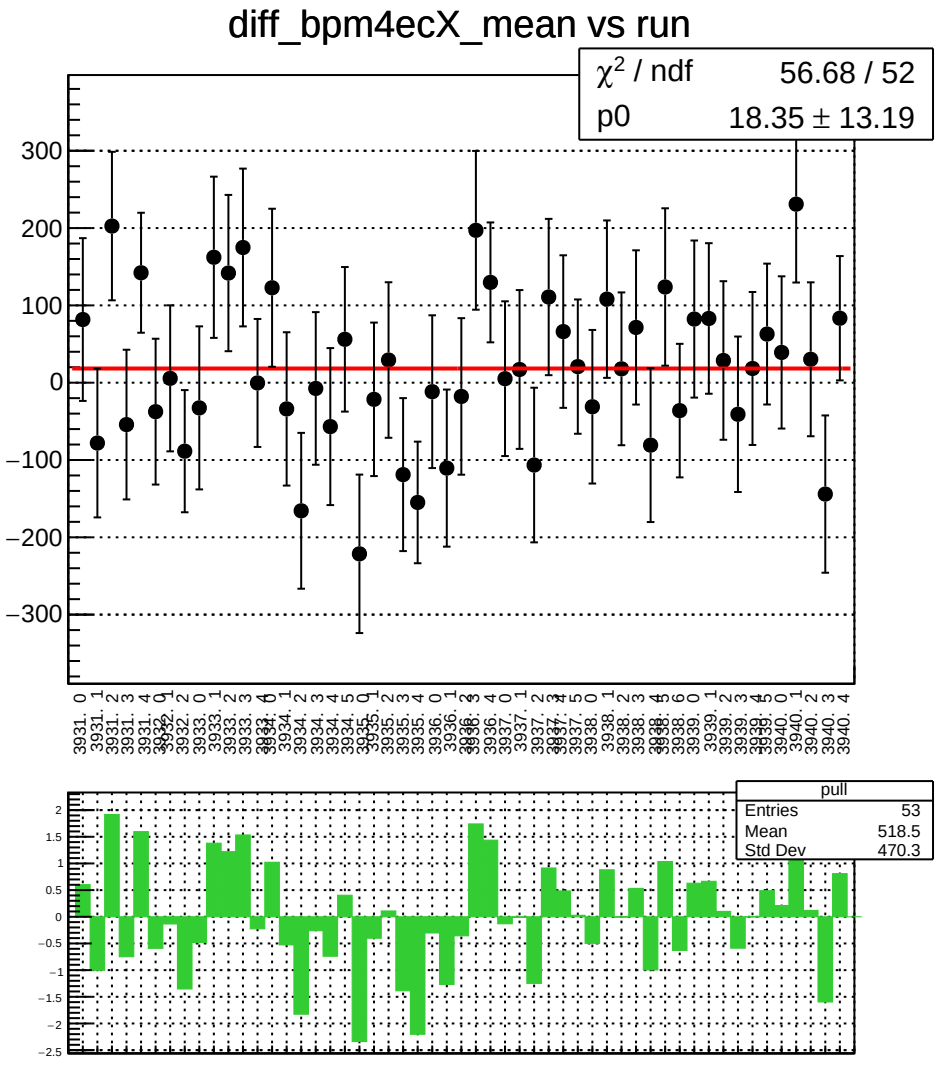

pull1D
Entries 53
Mean 0.01739
Std Dev 0.9753

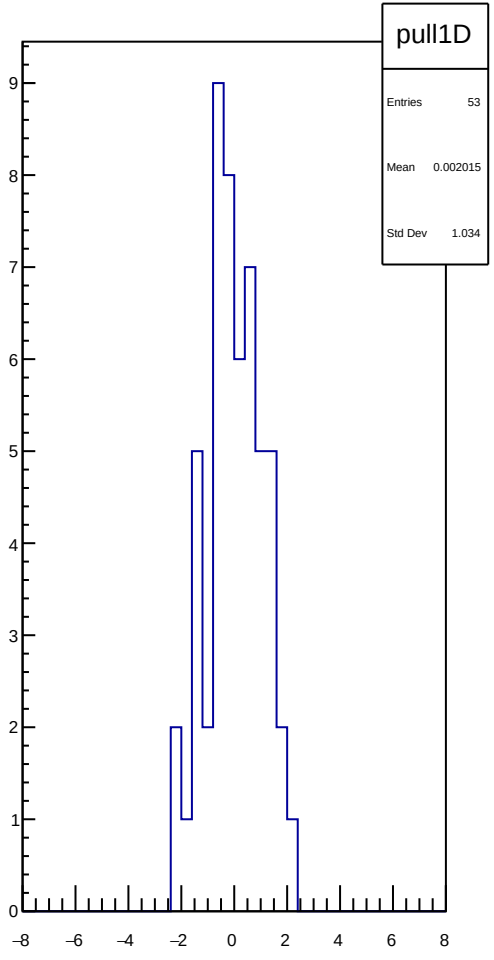

diff_bpm4acX_rms vs run
χ² / ndf 280.8 / 52
p0 2015 ± 1.985
2100
2050
2000
1950
1900
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

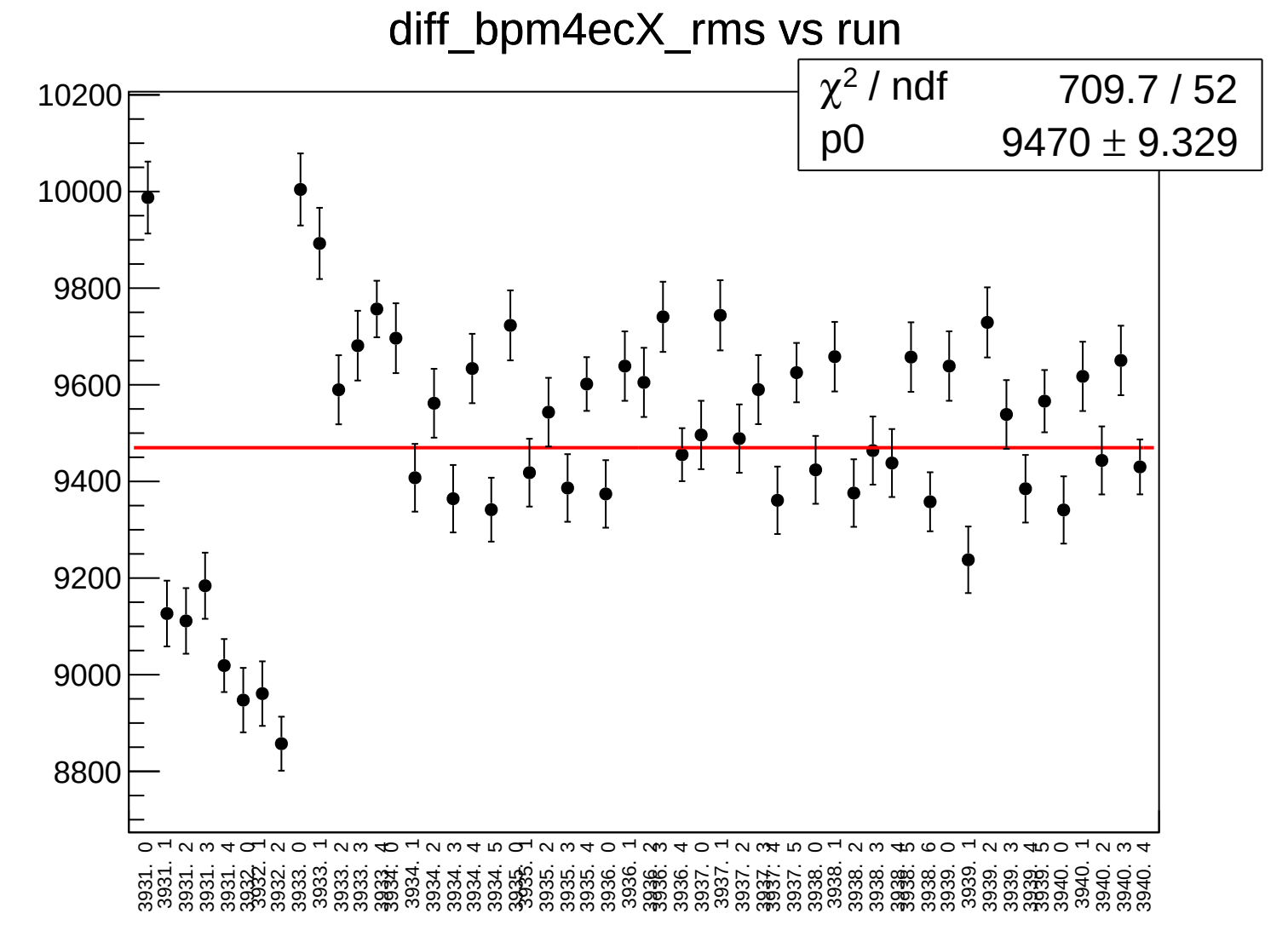

diff_bpm4acY_mean vs run
χ² / ndf 44.62 / 52
p0 8.254 ± 9.897
pull
Entries 53
Mean 51.65
Std Dev 31.28

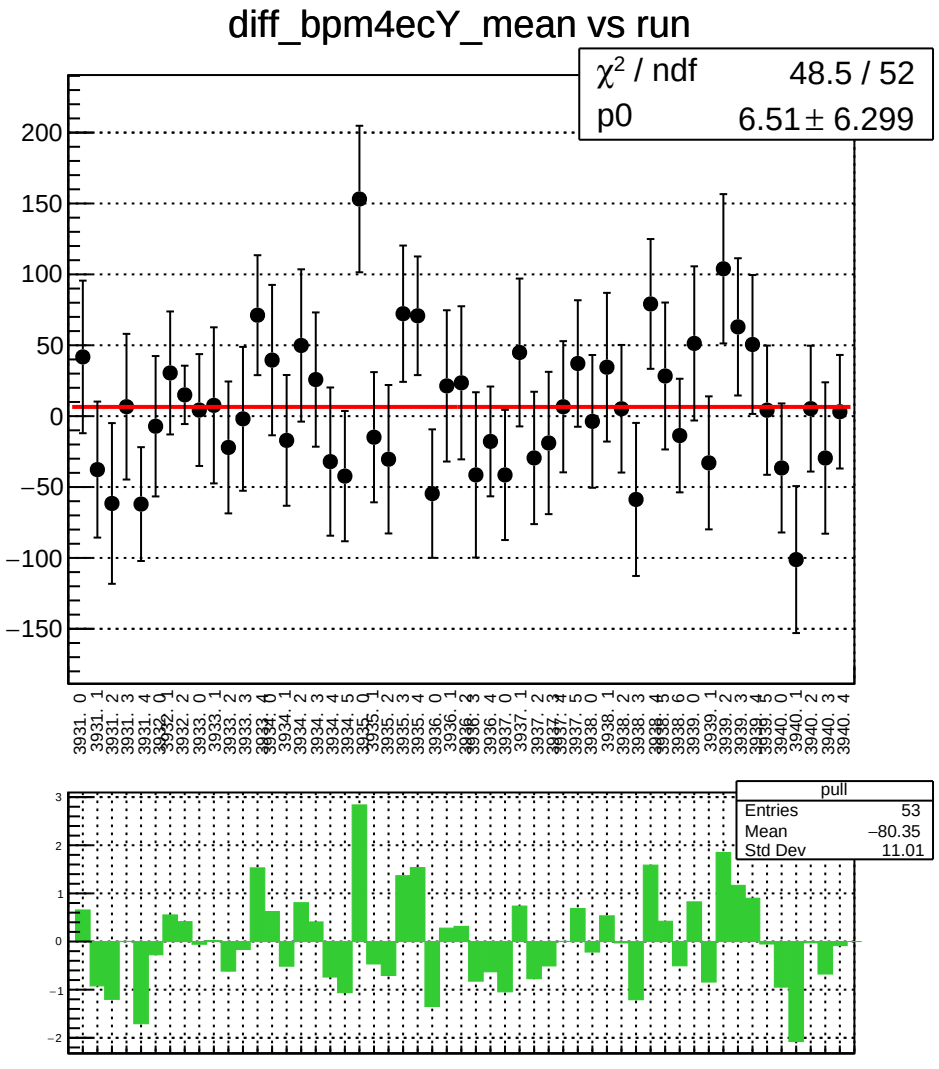

pull1D
Entries 53
Mean −0.009848
Std Dev 0.9175

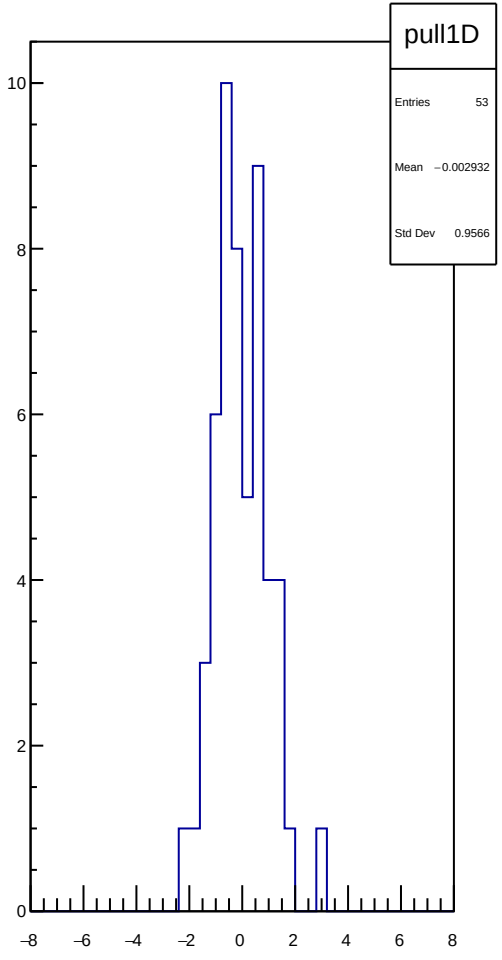

diff_bpm4acY_rms vs run
χ² / ndf 8.554e+04 / 52
p0 6805 ± 6.998
10000
9000
8000
7000
6000
5000
4000
3000
2000

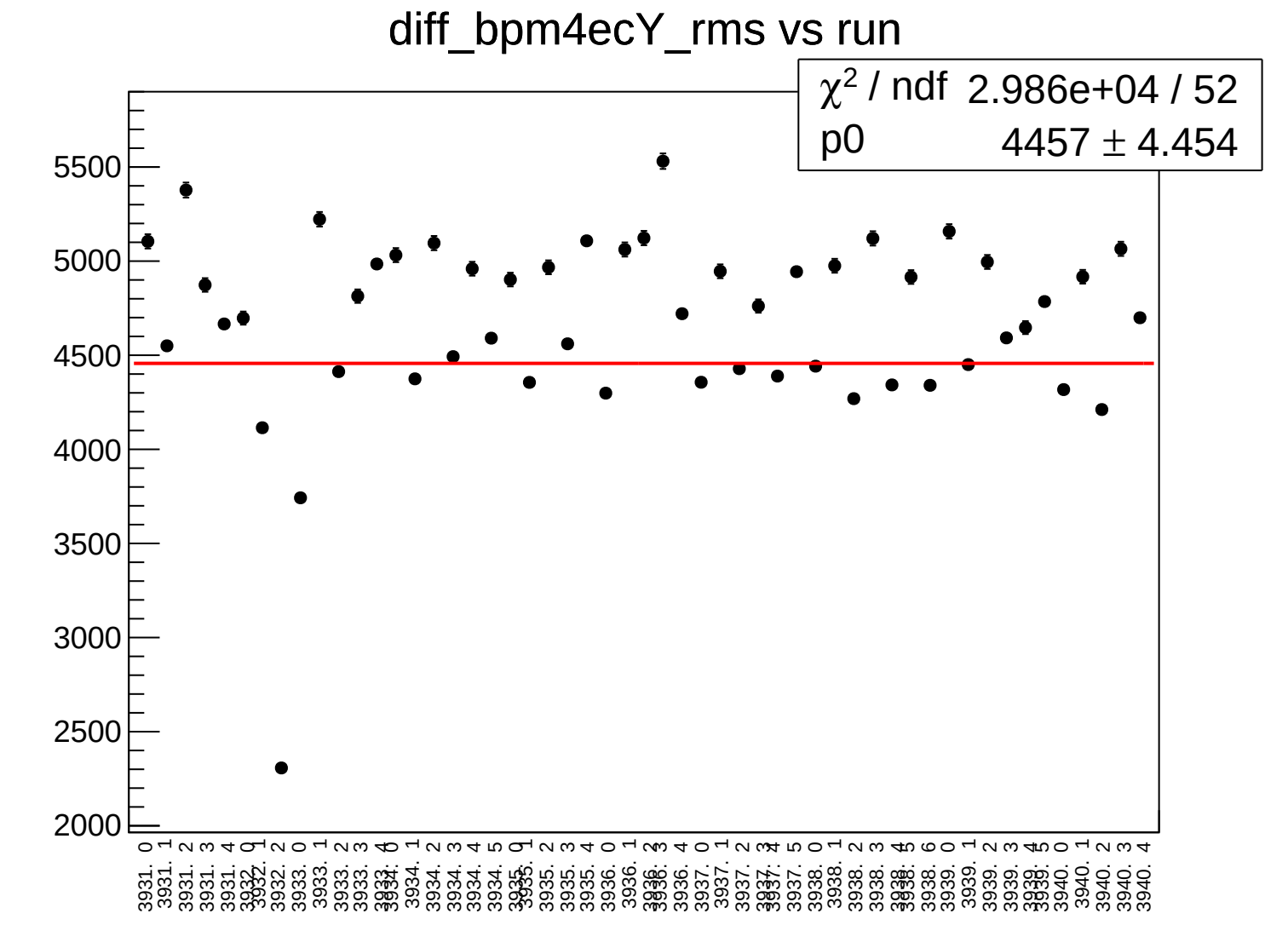

diff_bpm4ecX_mean vs run
χ² / ndf 56.68 / 52
p0 18.35 ± 13.19
pull
Entries 53
Mean 518.5
Std Dev 470.3

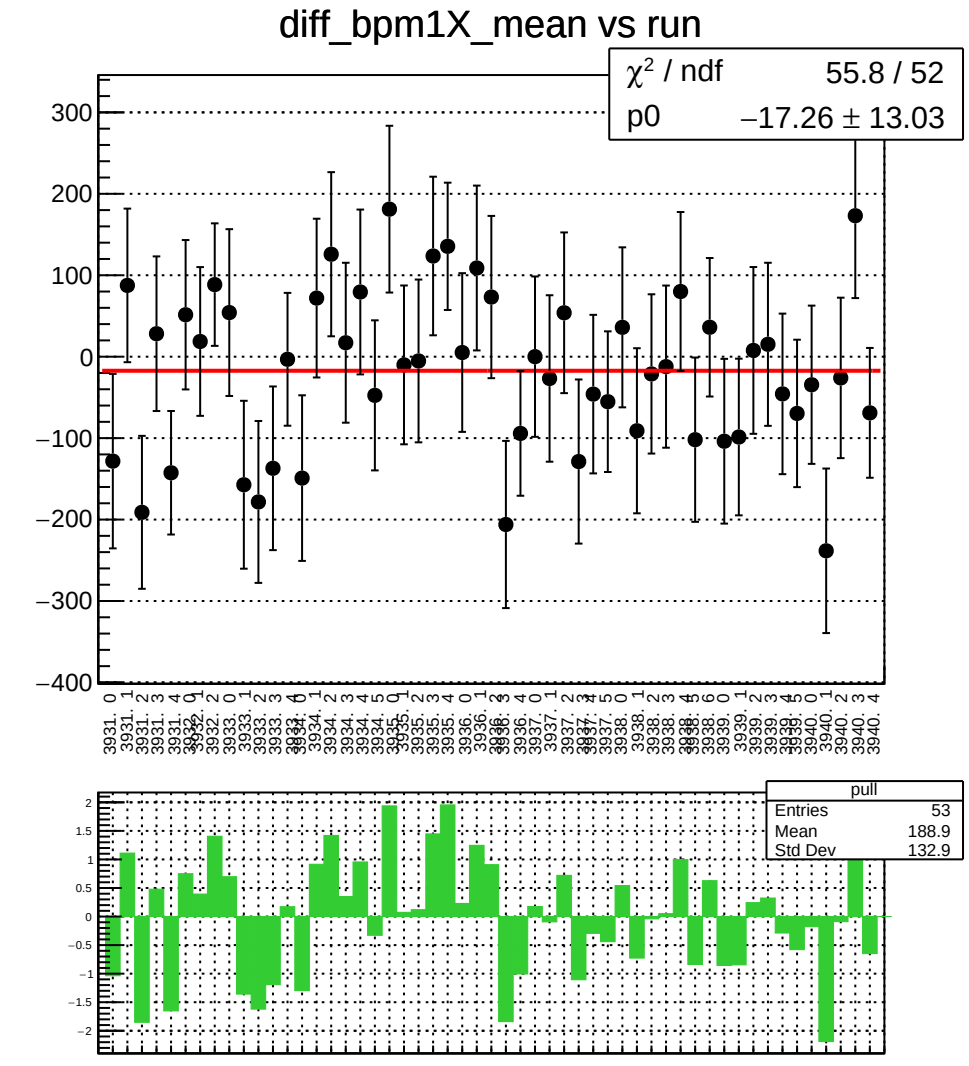

pull1D
Entries 53
Mean 0.002015
Std Dev 1.034

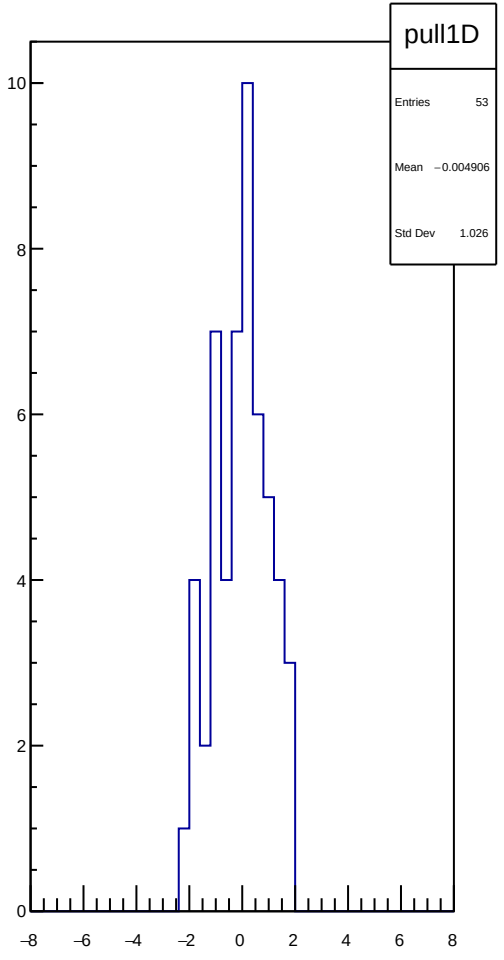

diff_bpm4ecX_rms vs run
χ² / ndf 709.7 / 52
p0 9470 ± 9.329
10200
10000
9800
9600
9400
9200
9000
8800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

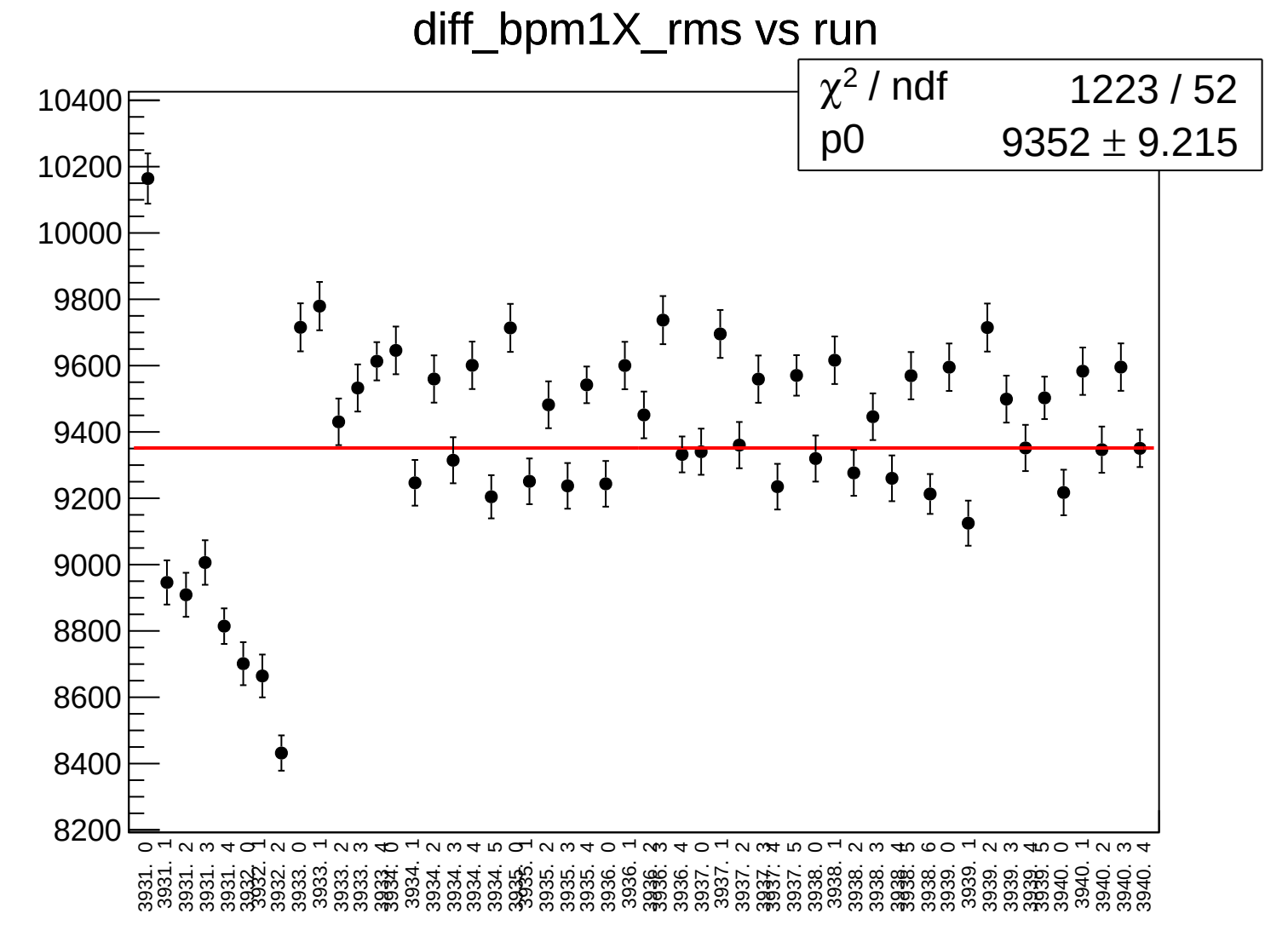

diff_bpm4ecY_mean vs run
χ² / ndf 48.5 / 52
p0 6.51 ± 6.299
pull
Entries 53
Mean −80.35
Std Dev 11.01

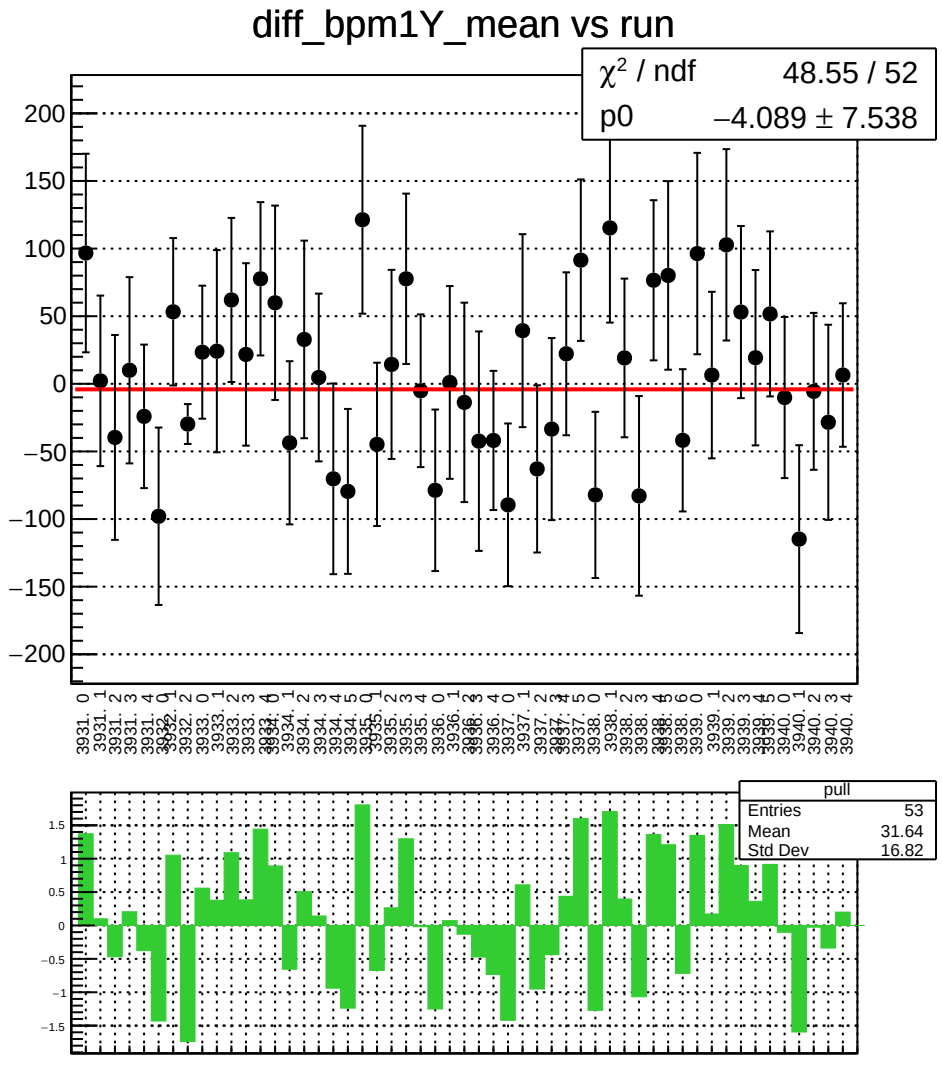

pull1D
Entries 53
Mean −0.002932
Std Dev 0.9566

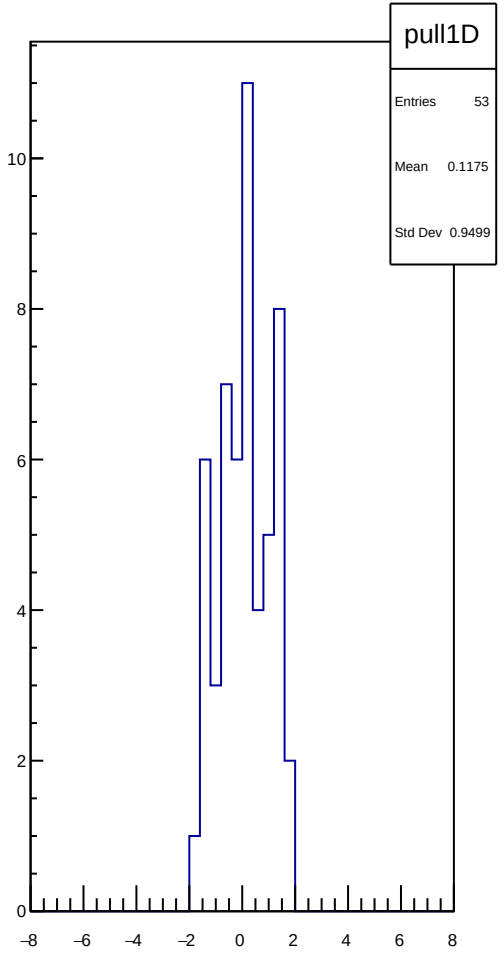

diff_bpm4ecY_rms vs run
χ² / ndf 2.986e+04 / 52
p0 4457 ± 4.454
5500
5000
4500
4000
3500
3000
2500
2000

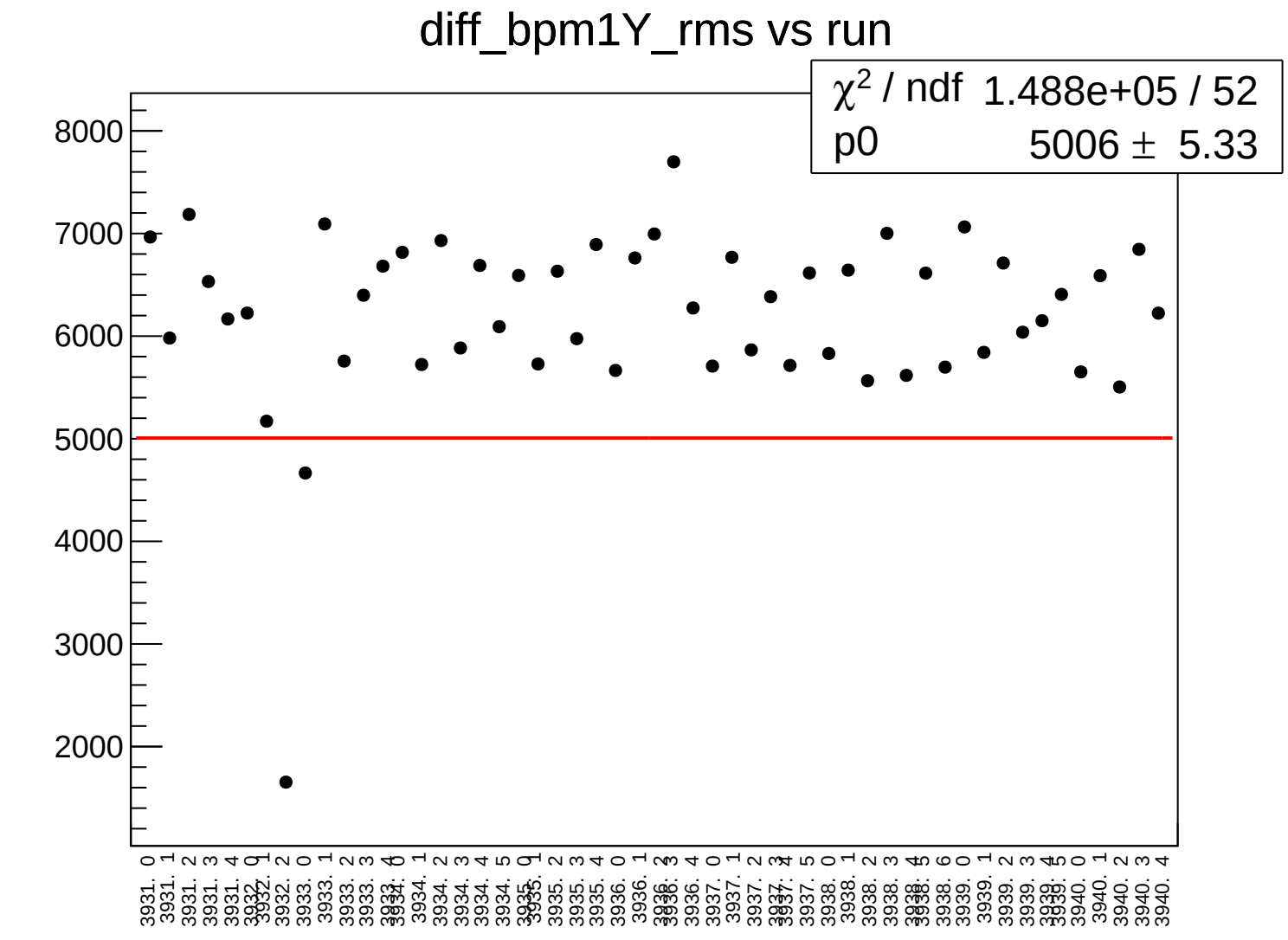

diff_bpm1X_mean vs run
χ² / ndf 55.8 / 52
p0 −17.26 ± 13.03
pull
Entries 53
Mean 188.9
Std Dev 132.9


pull1D
Entries 53
Mean −0.004906
Std Dev 1.026


diff_bpm1X_rms vs run
χ² / ndf 1223 / 52
p0 9352 ± 9.215
10400
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
8200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


diff_bpm1Y_mean vs run
χ² / ndf 48.55 / 52
p0 −4.089 ± 7.538
pull
Entries 53
Mean 31.64
Std Dev 16.82


pull1D
Entries 53
Mean 0.1175
Std Dev 0.9499


diff_bpm1Y_rms vs run
χ² / ndf 1.488e+05 / 52
p0 5006 ± 5.33
8000
7000
6000
5000
4000
3000
2000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
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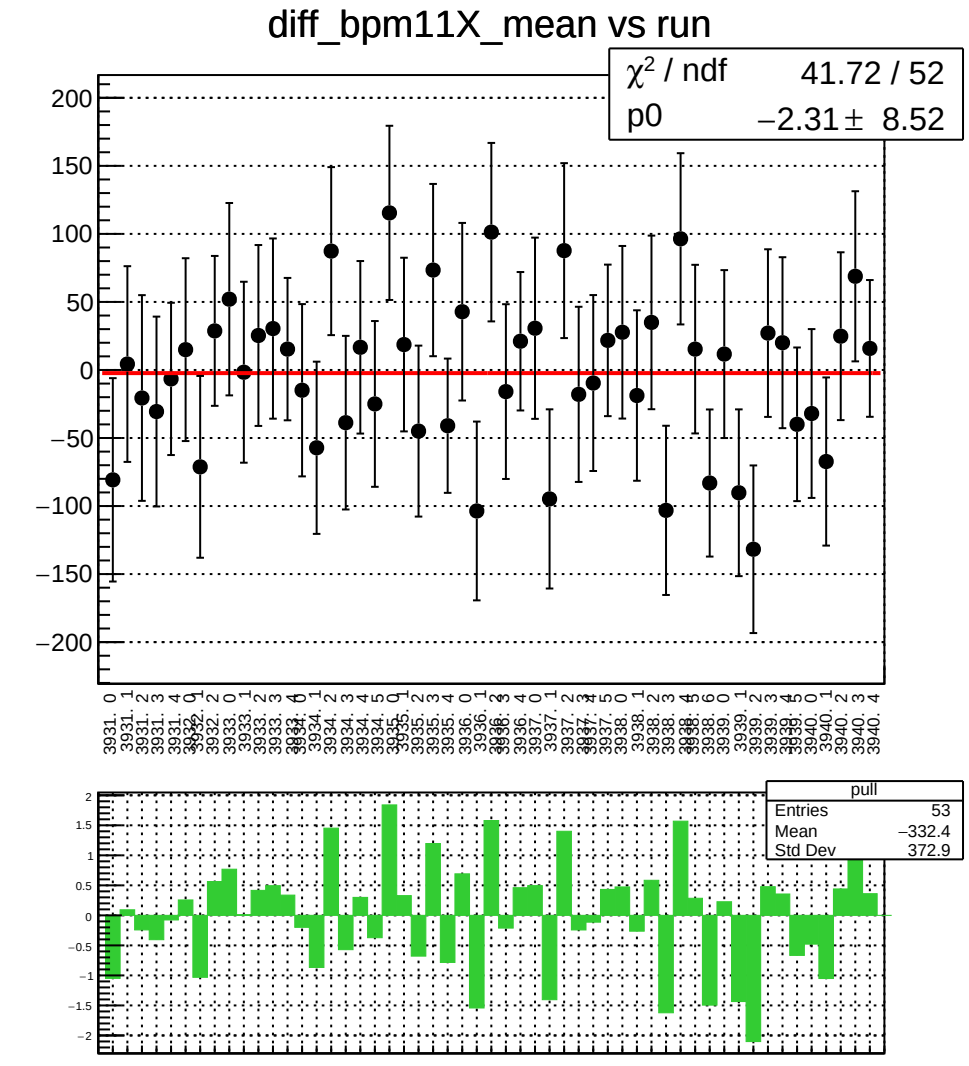
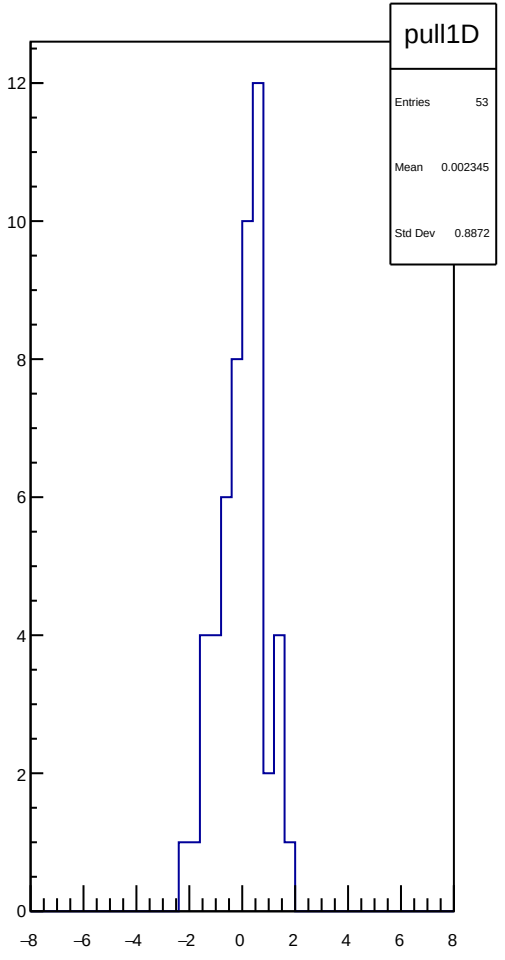
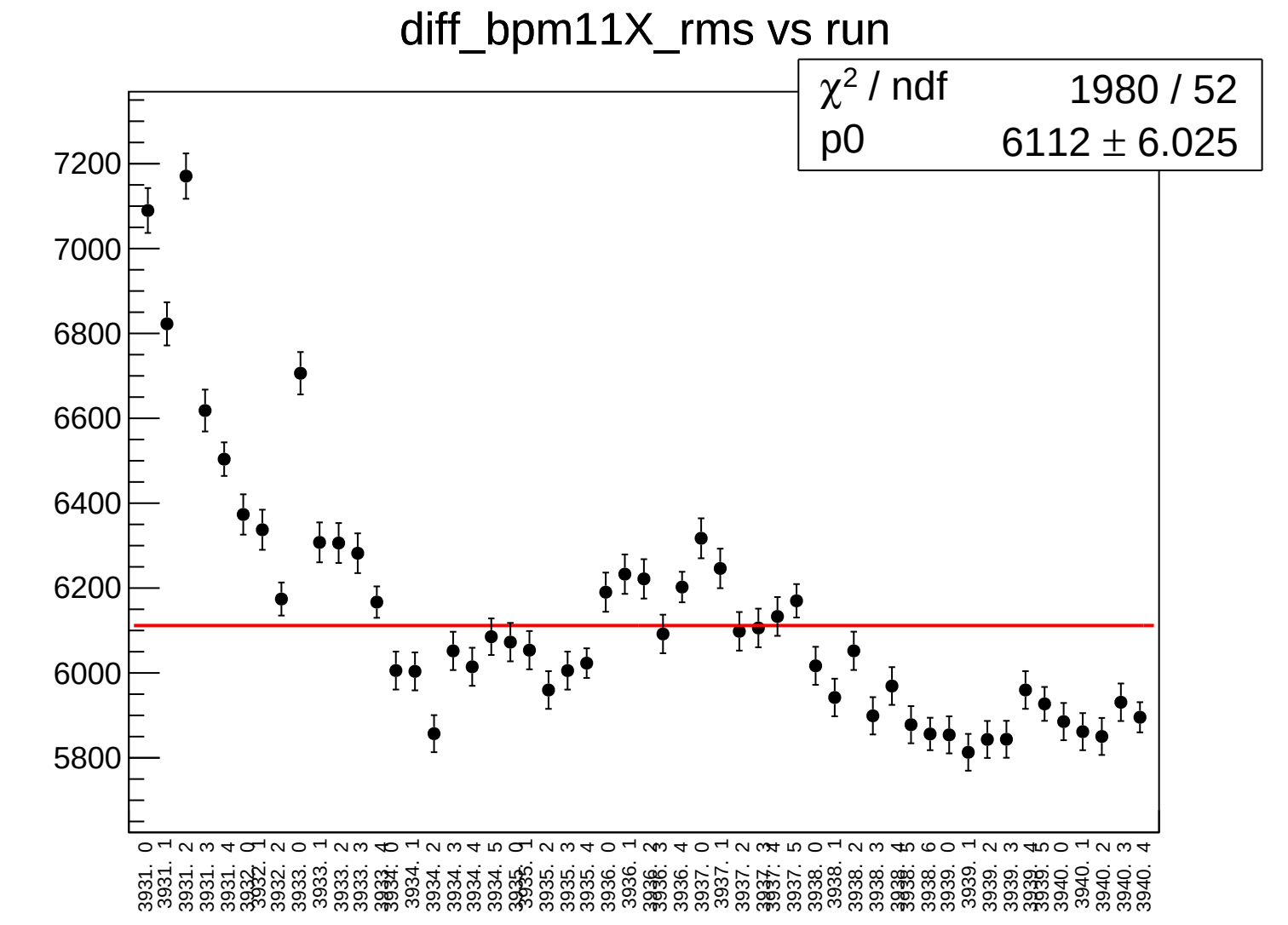
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


diff_bpm11X_mean vs run
χ² / ndf 41.72 / 52
p0 −2.31 ± 8.52
pull
Entries 53
Mean −332.4
Std Dev 372.9


pull1D
Entries 53
Mean 0.002345
Std Dev 0.8872


diff_bpm11X_rms vs run
χ² / ndf 1980 / 52
p0 6112 ± 6.025
7200
7000
6800
6600
6400
6200
6000
5800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
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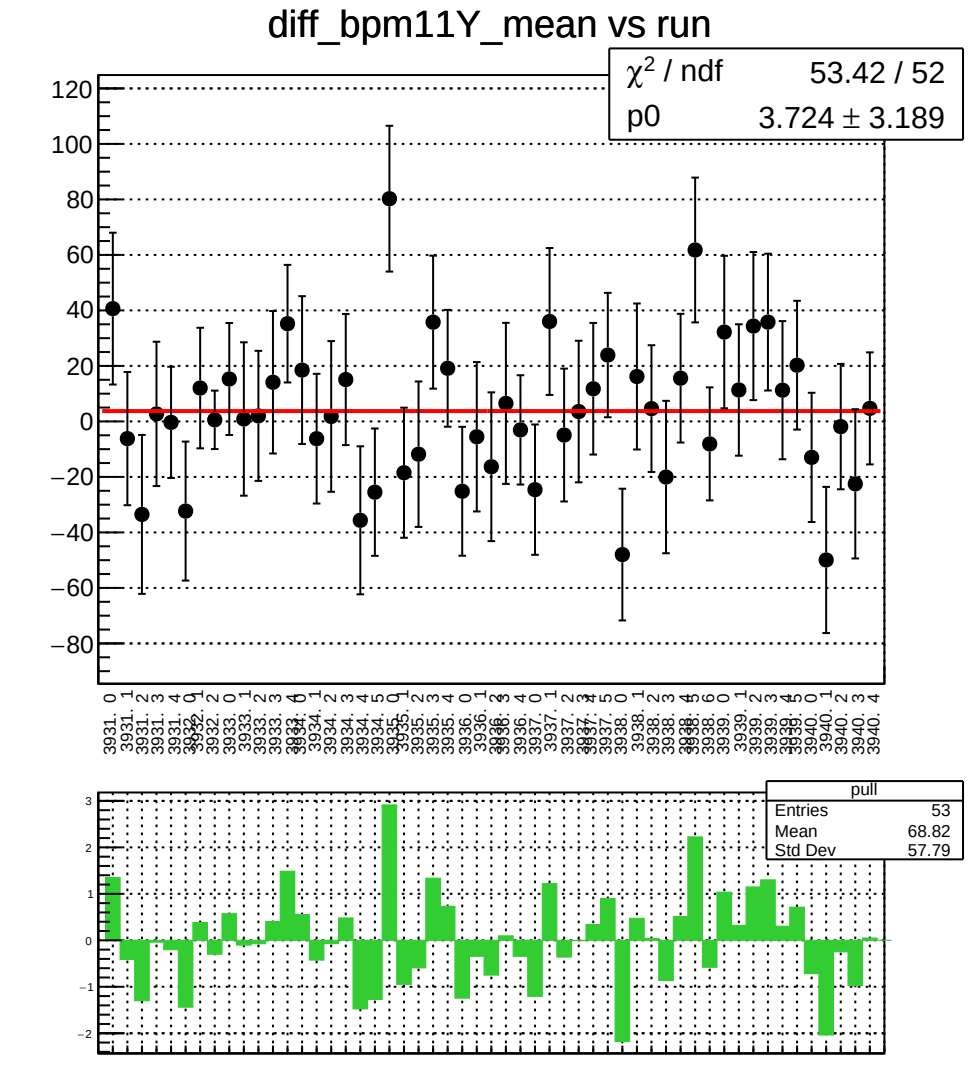
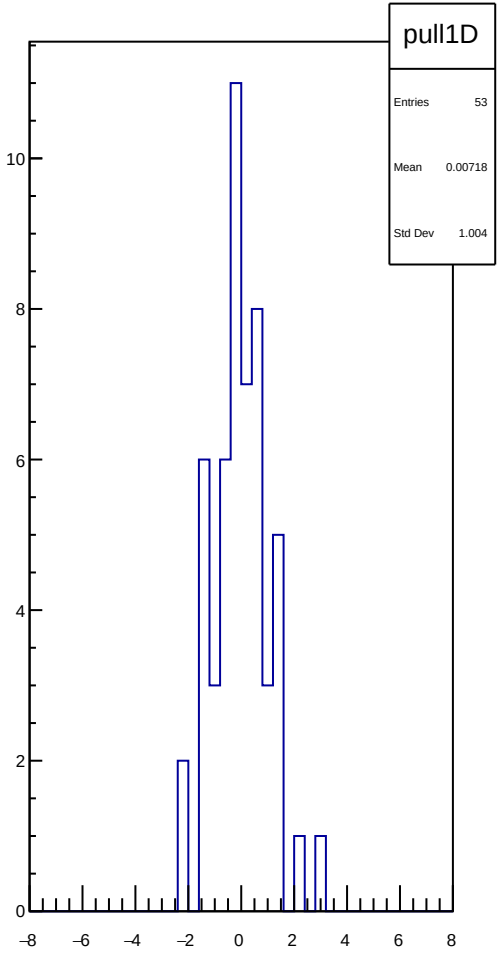
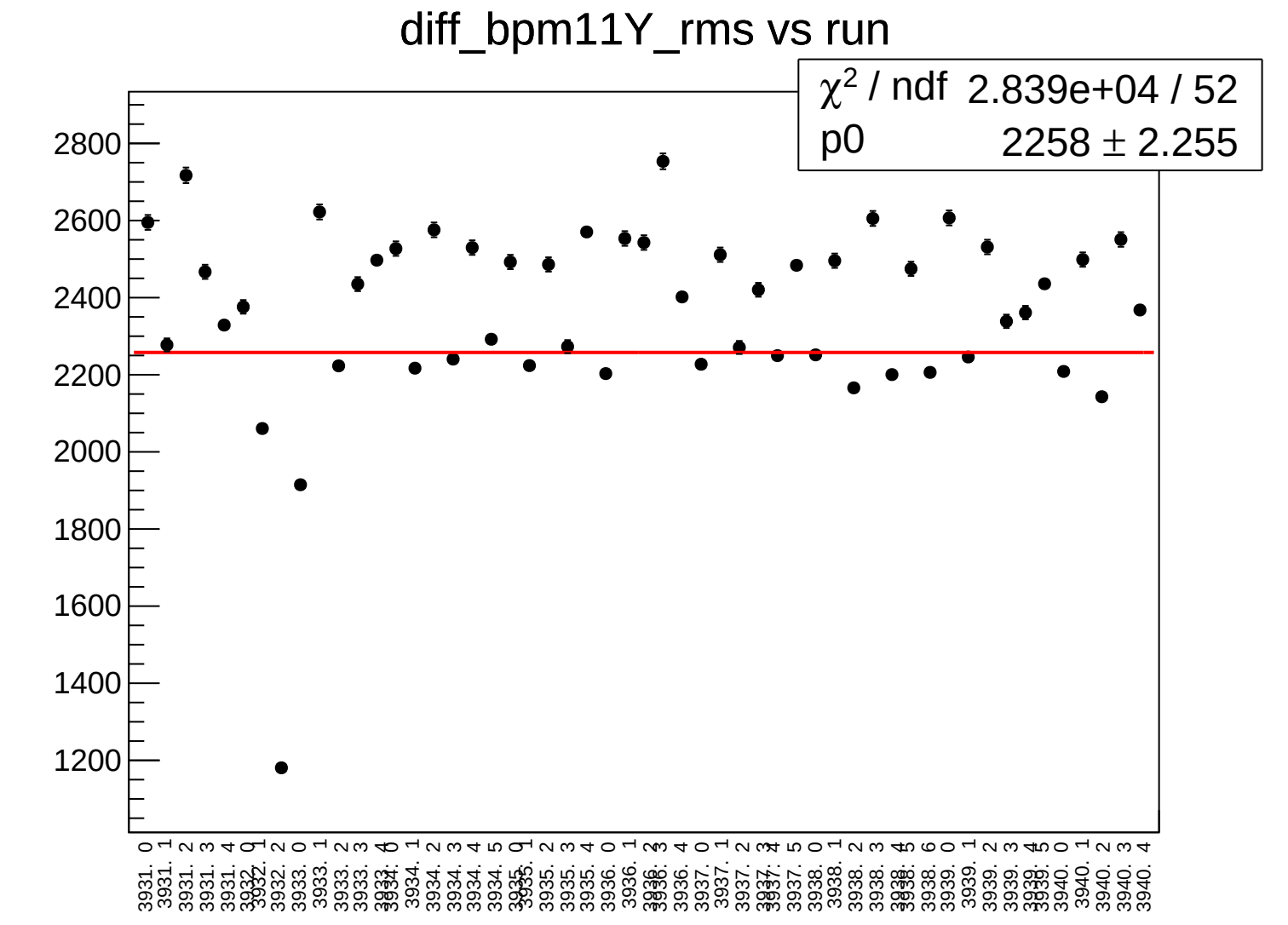
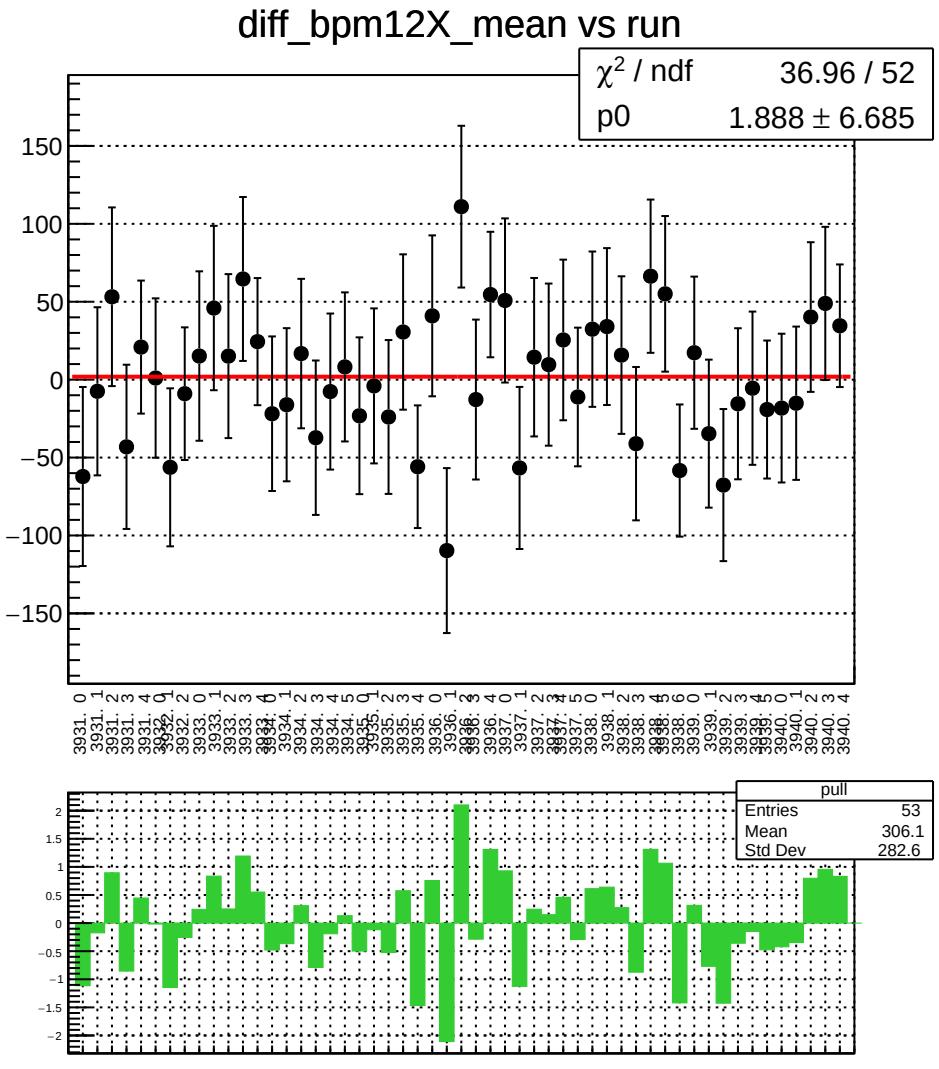
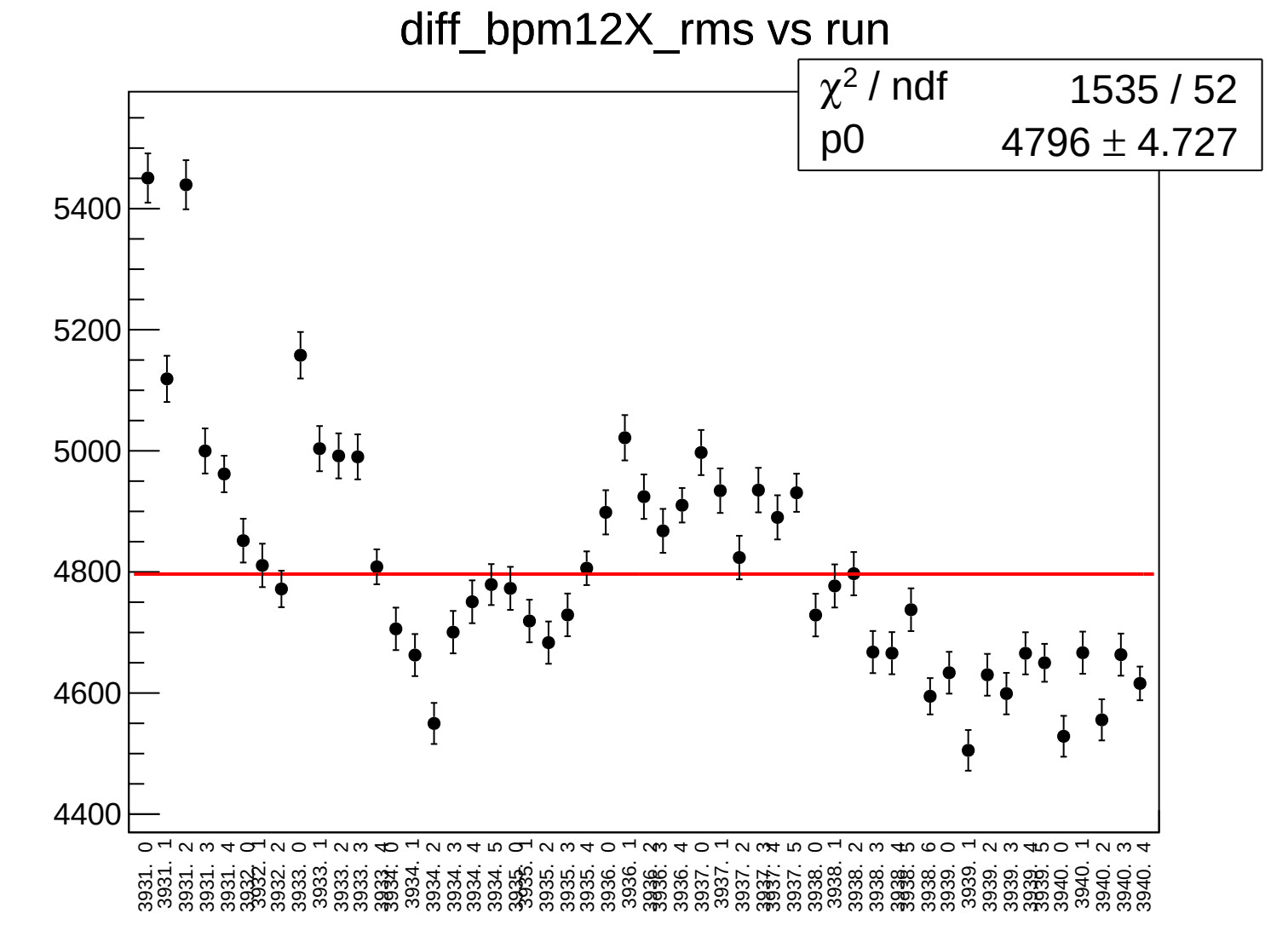
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

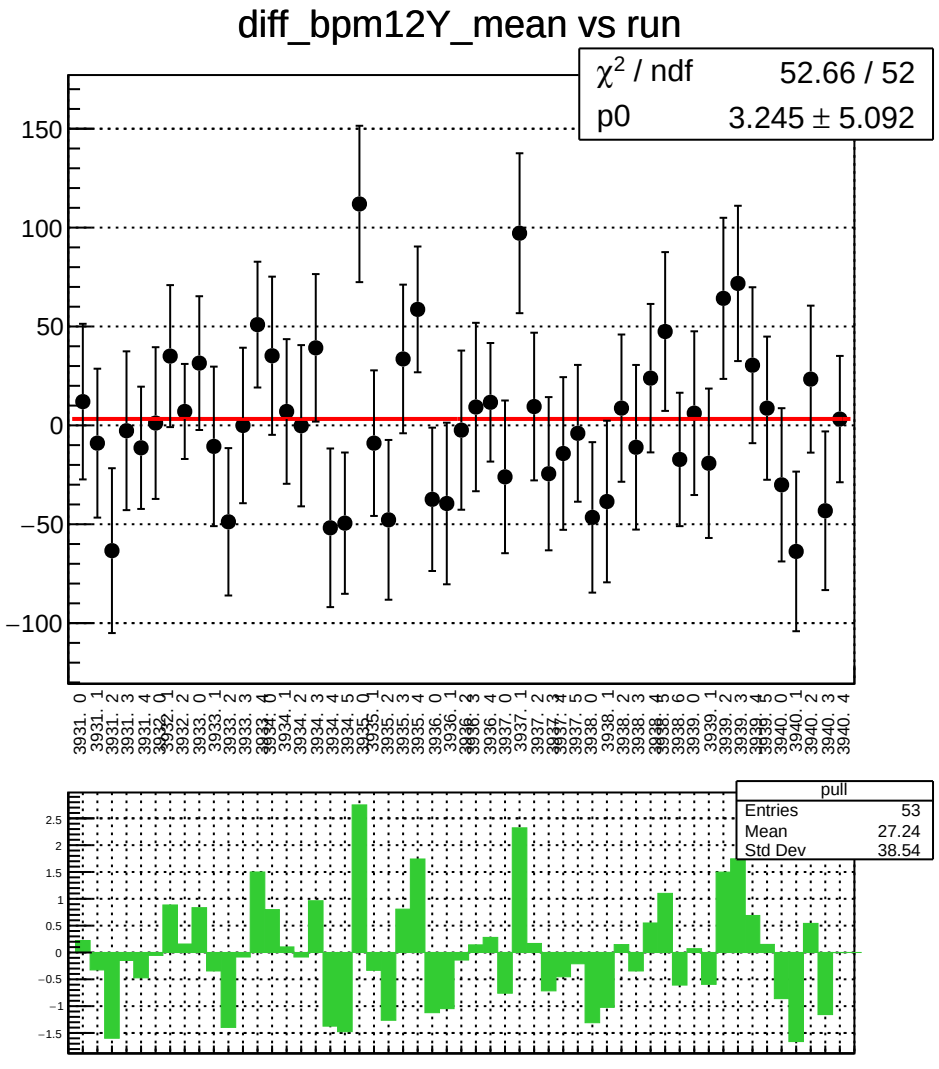

diff_bpm11Y_mean vs run
χ² / ndf 53.42 / 52
p0 3.724 ± 3.189
pull
Entries 53
Mean 68.82
Std Dev 57.79

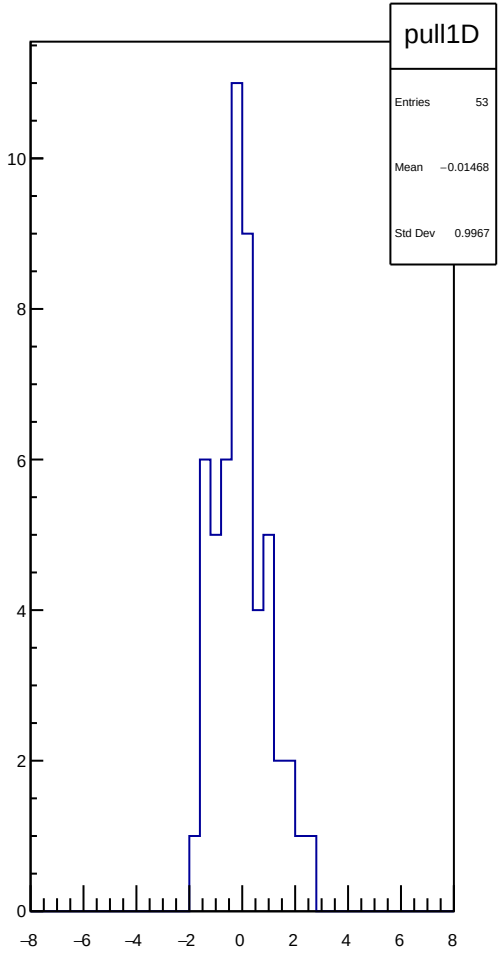

pull1D
Entries 53
Mean 0.00718
Std Dev 1.004

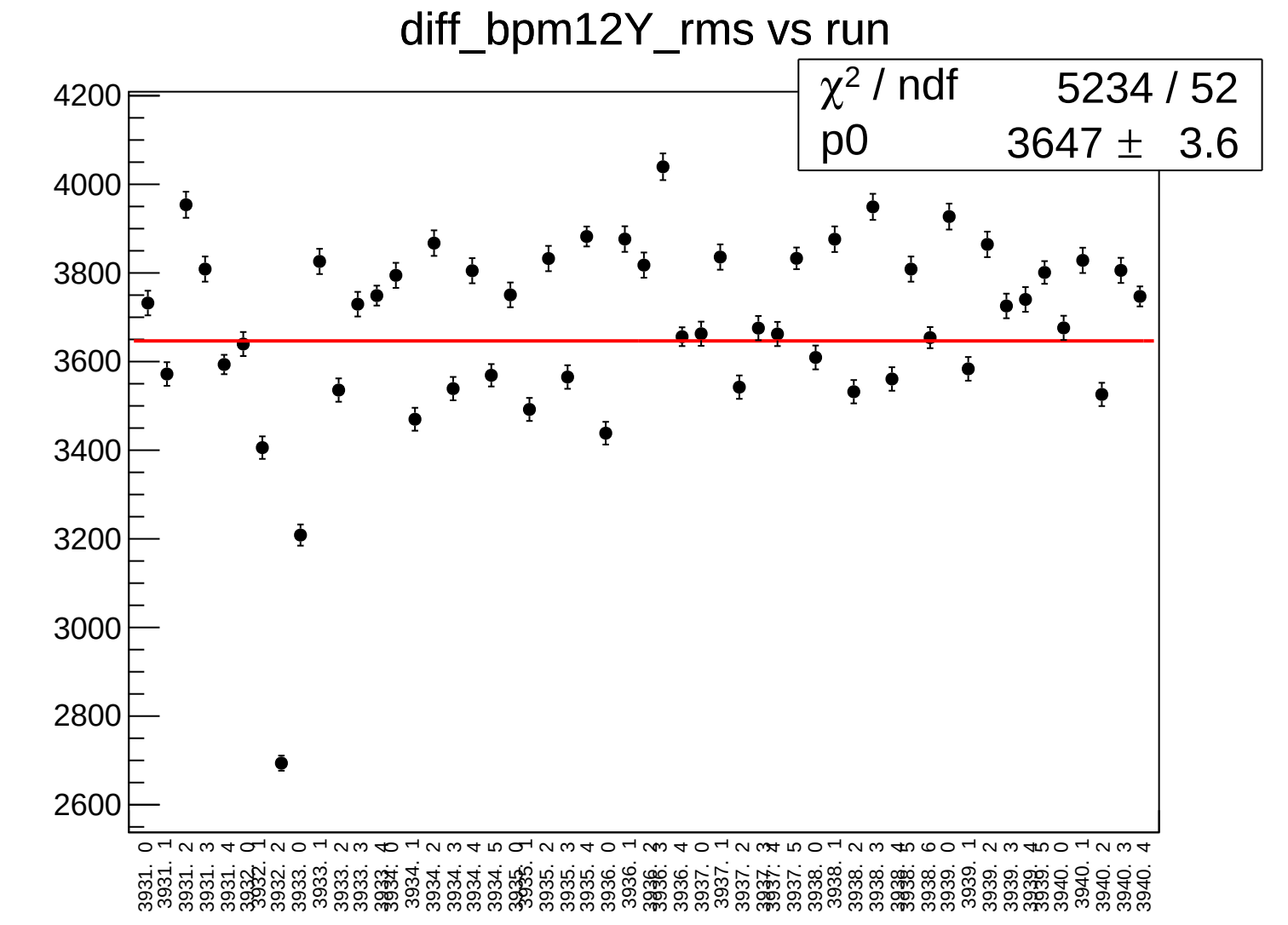

diff_bpm11Y_rms vs run
χ² / ndf 2.839e+04 / 52
p0 2258 ± 2.255
2800
2600
2400
2200
2000
1800
1600
1400
1200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

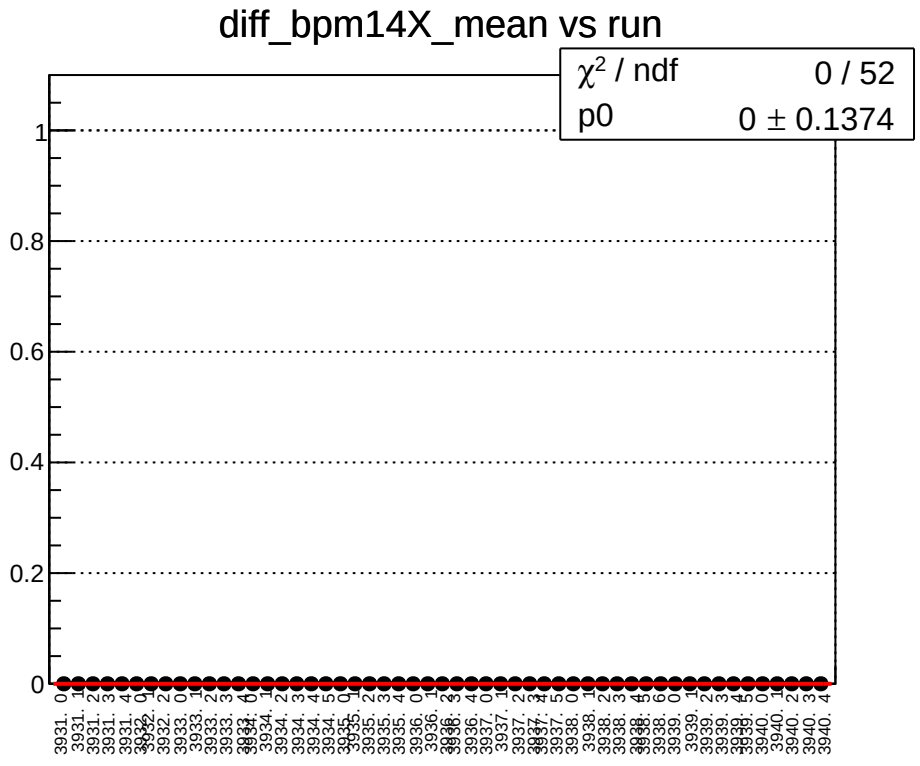

diff_bpm12X_mean vs run
χ^2 / ndf 36.96 / 52
p0 1.888 ± 6.685
150
100
50
0
−50
−100
−150
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4
pull
Entries 53
Mean 306.1
Std Dev 282.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean 0.002667
Std Dev 0.8351
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

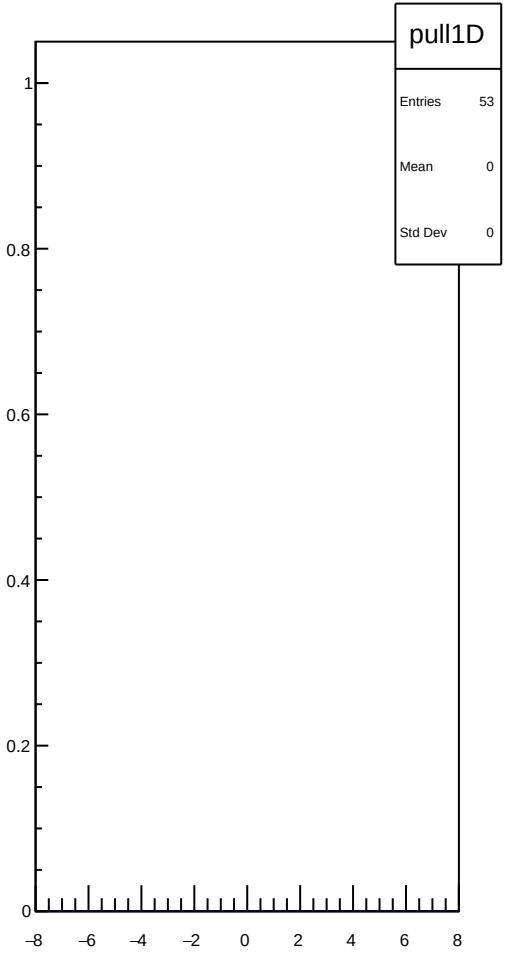

diff_bpm12X_rms vs run
χ² / ndf 1535 / 52
p0 4796 ± 4.727
5400
5200
5000
4800
4600
4400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

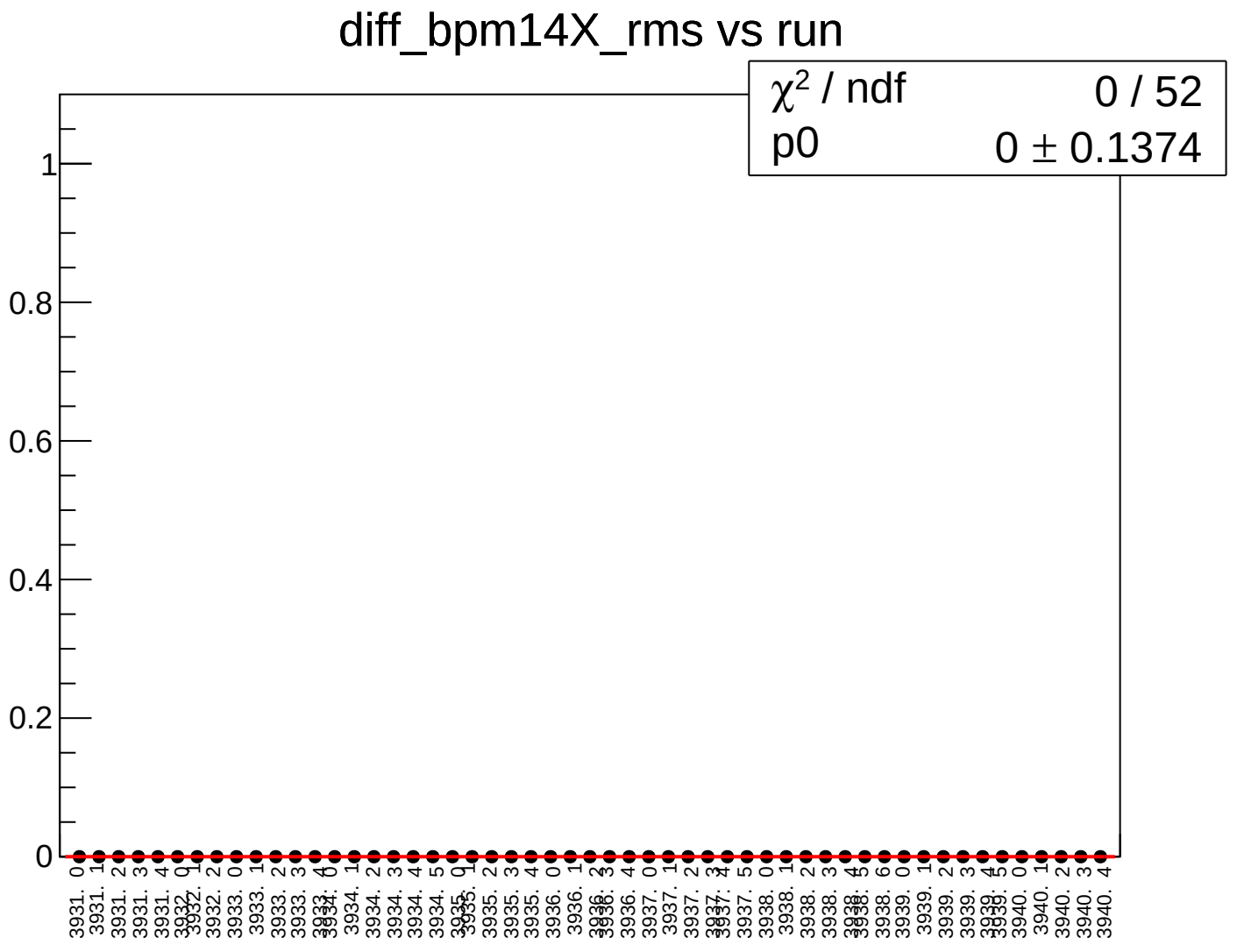

diff_bpm12Y_mean vs run
χ^2 / ndf 52.66 / 52
p0 3.245 ± 5.092
150
100
50
0
−50
−100
pull
Entries 53
Mean 27.24
Std Dev 38.54
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

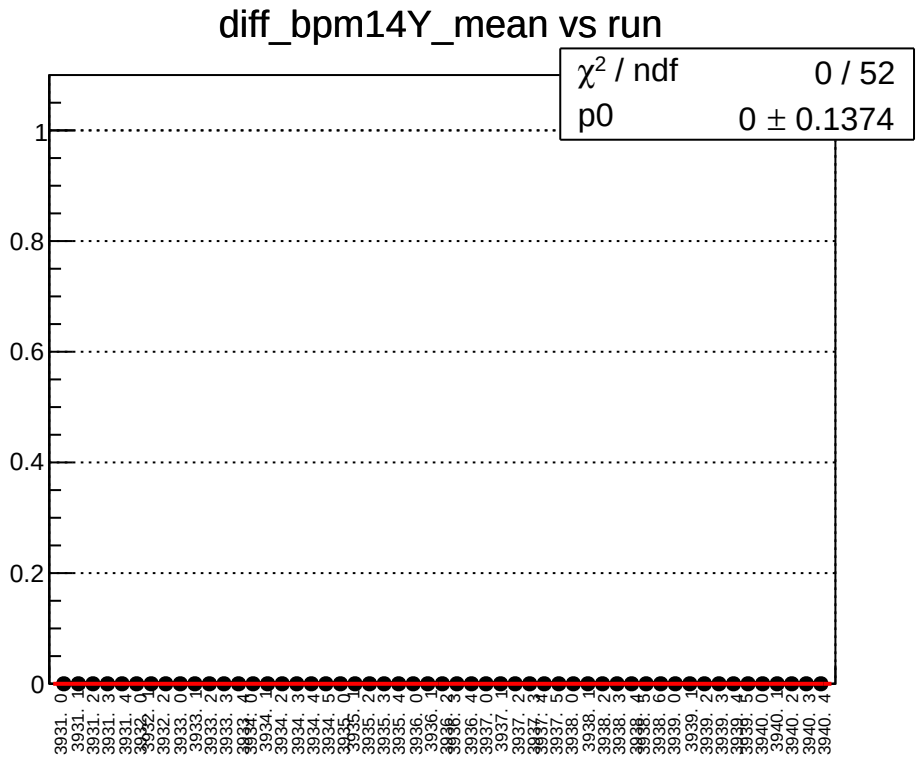

pull1D
Entries 53
Mean −0.01468
Std Dev 0.9967
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

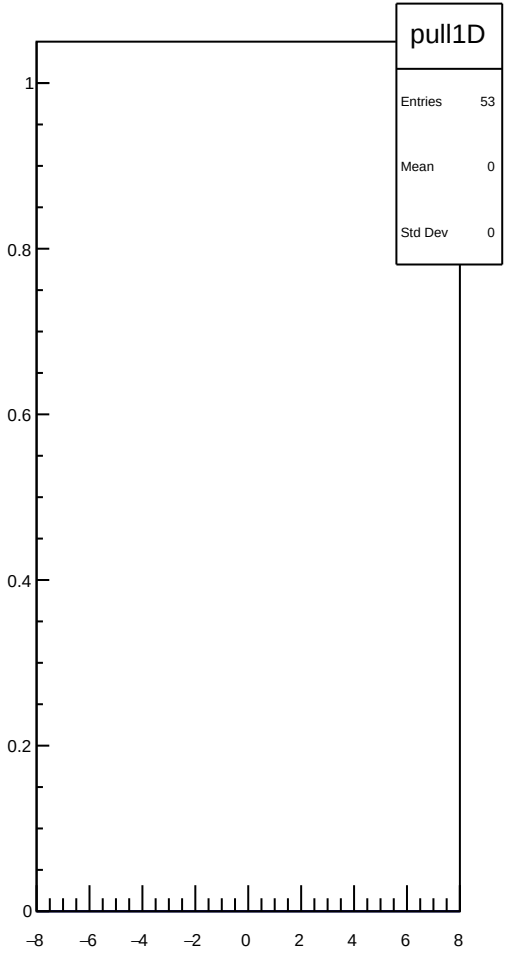

diff_bpm12Y_rms vs run
χ² / ndf 5234 / 52
p0 3647 ± 3.6
4200
4000
3800
3600
3400
3200
3000
2800
2600

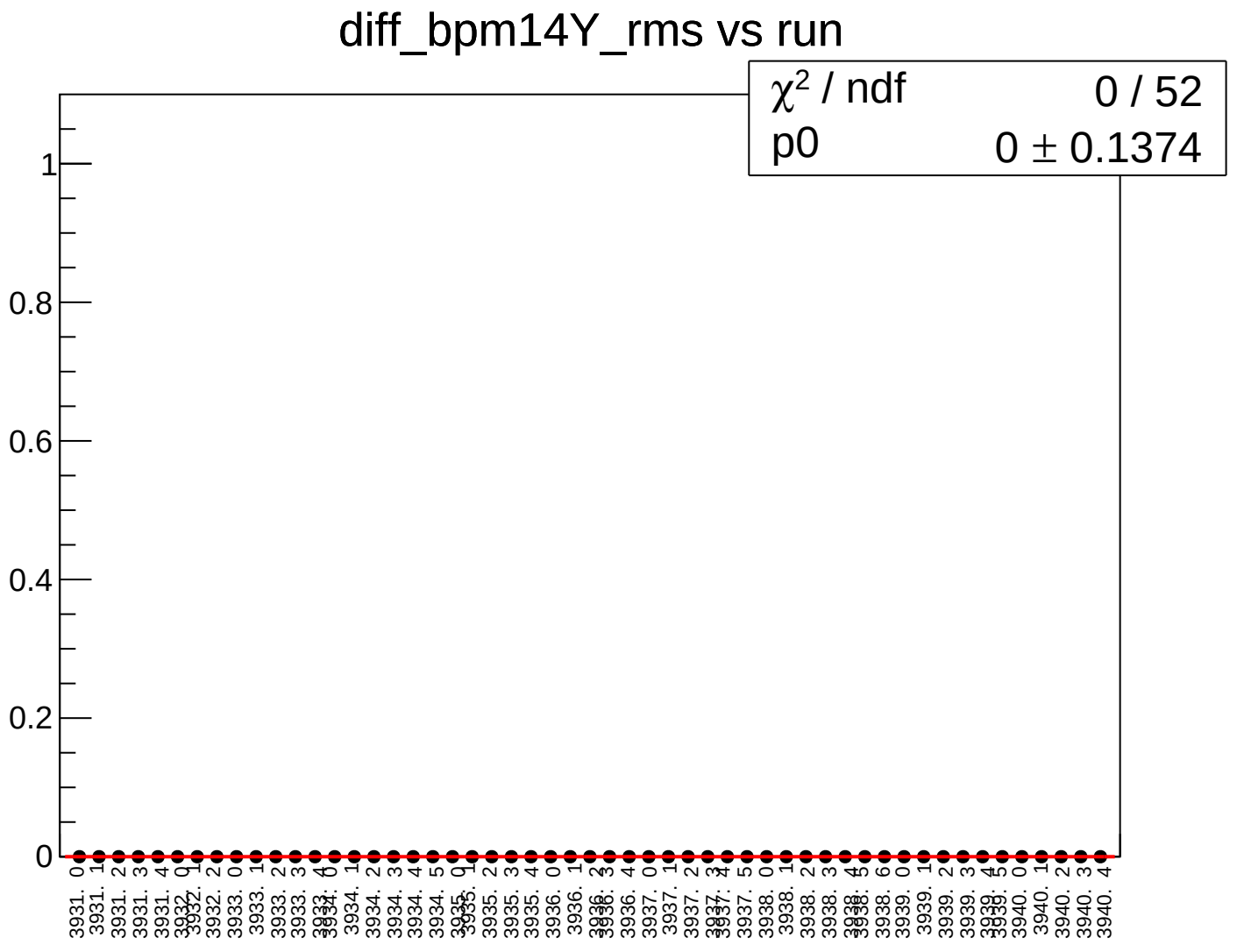

diff_bpm14X_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

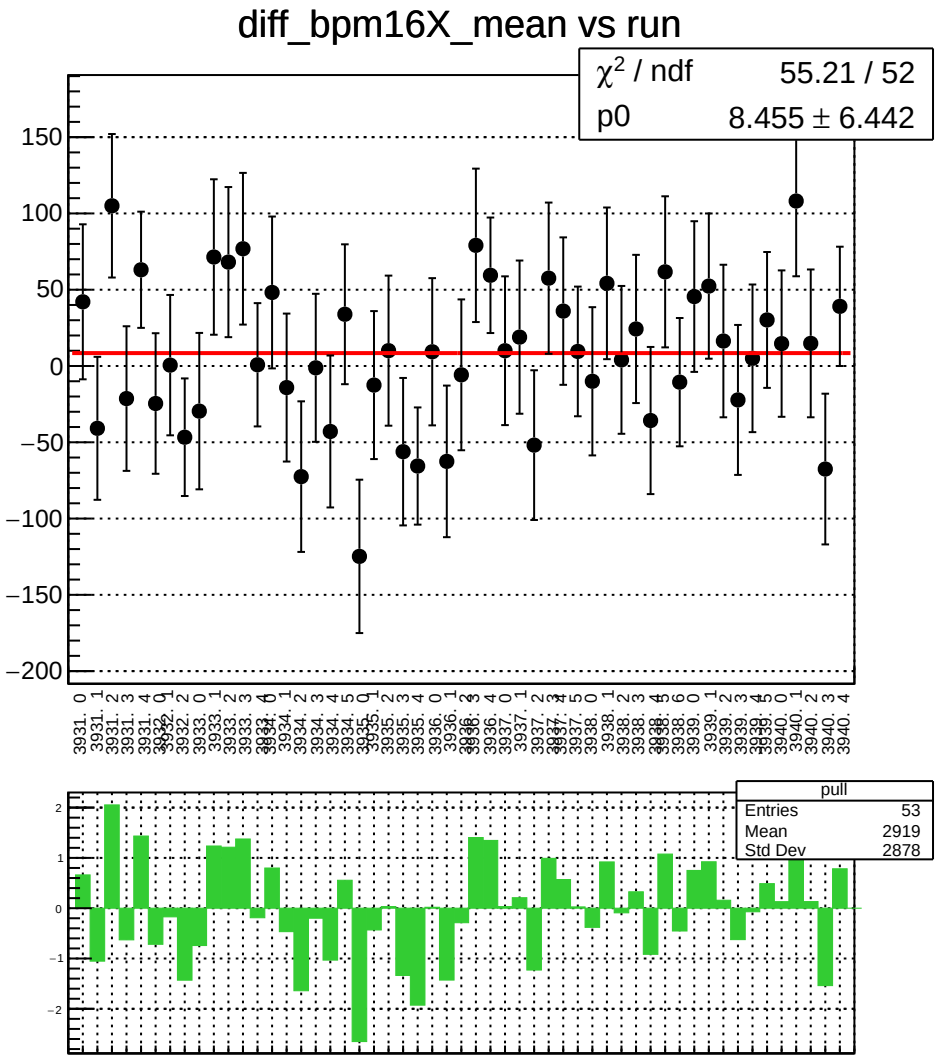

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

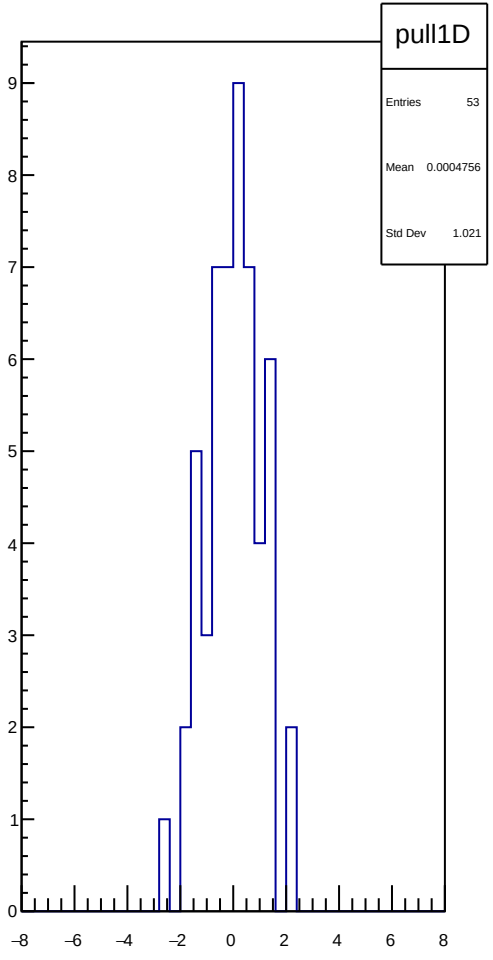

diff_bpm14X_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

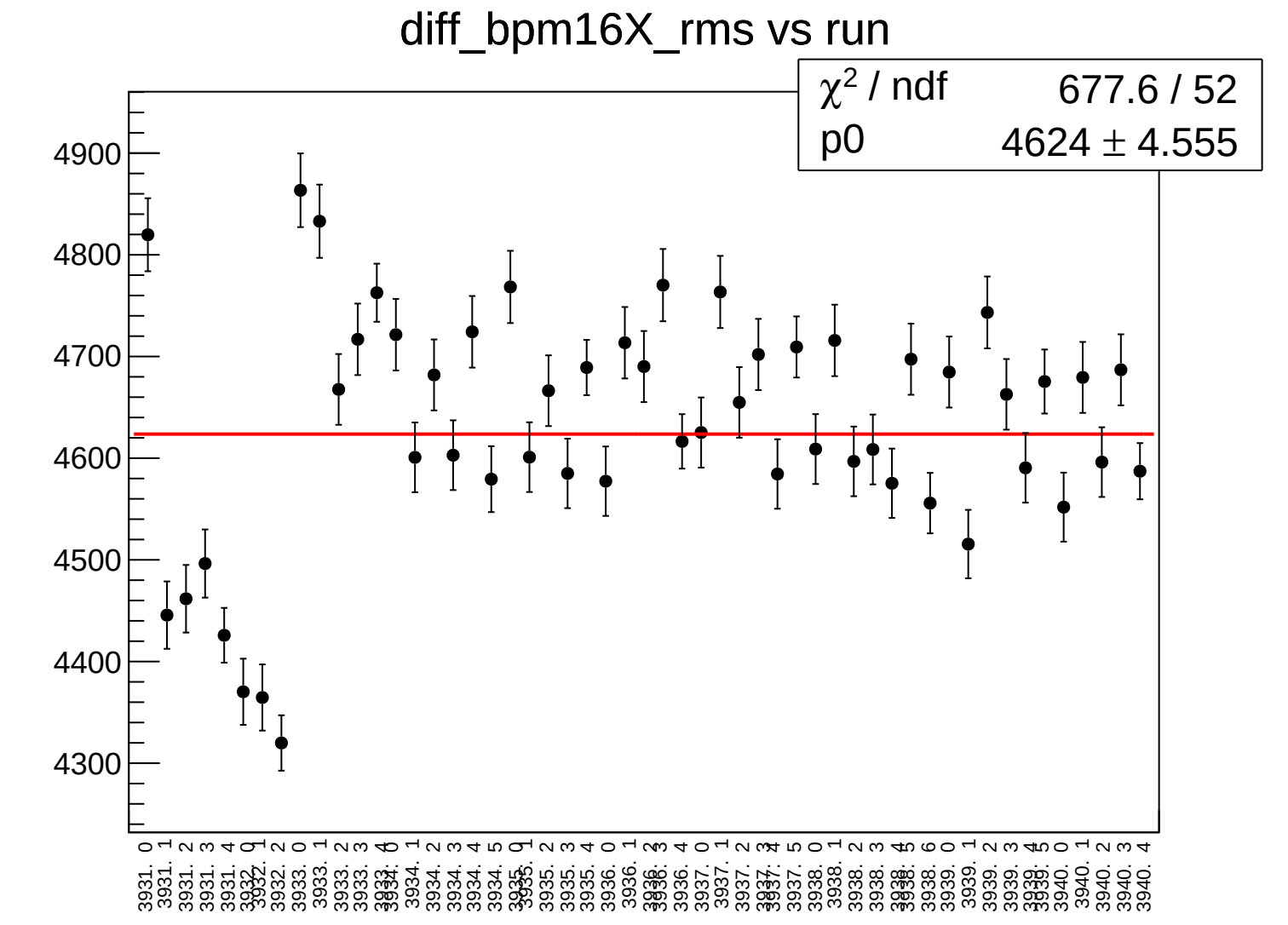

diff_bpm14Y_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

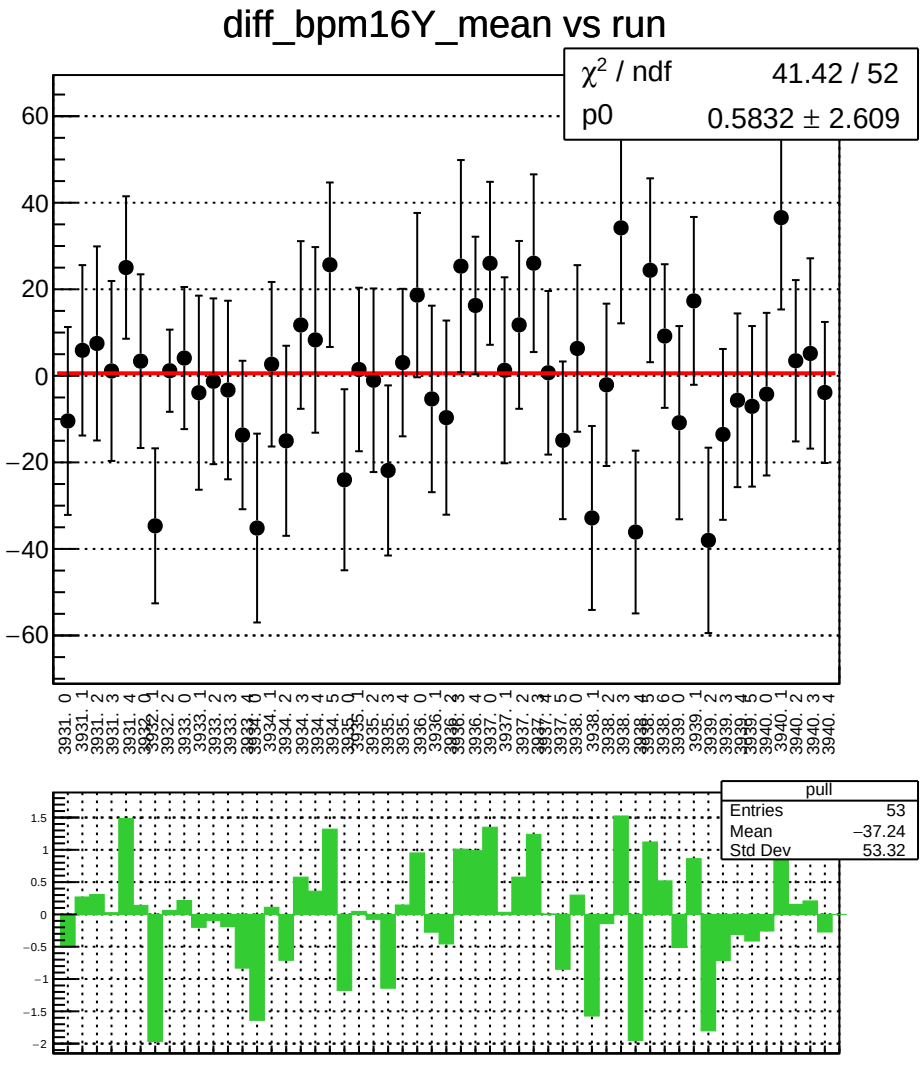

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

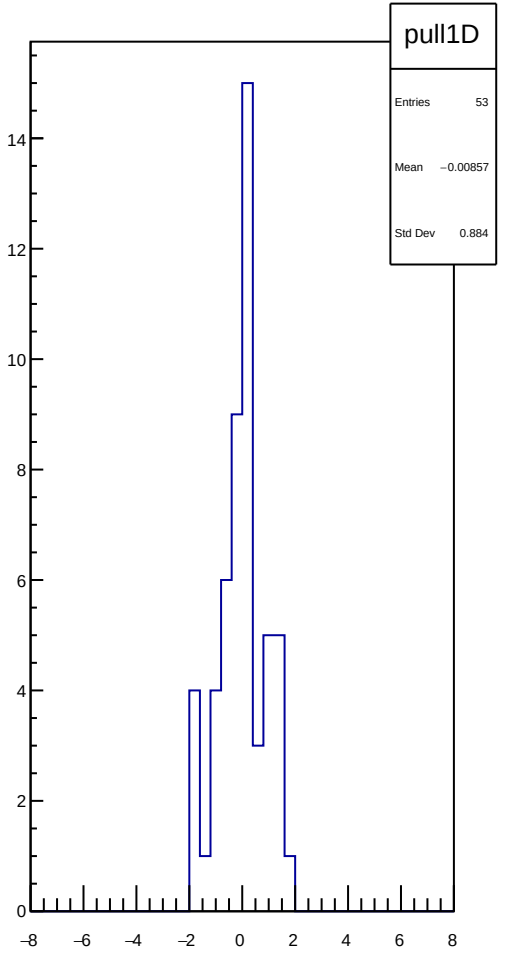

diff_bpm14Y_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

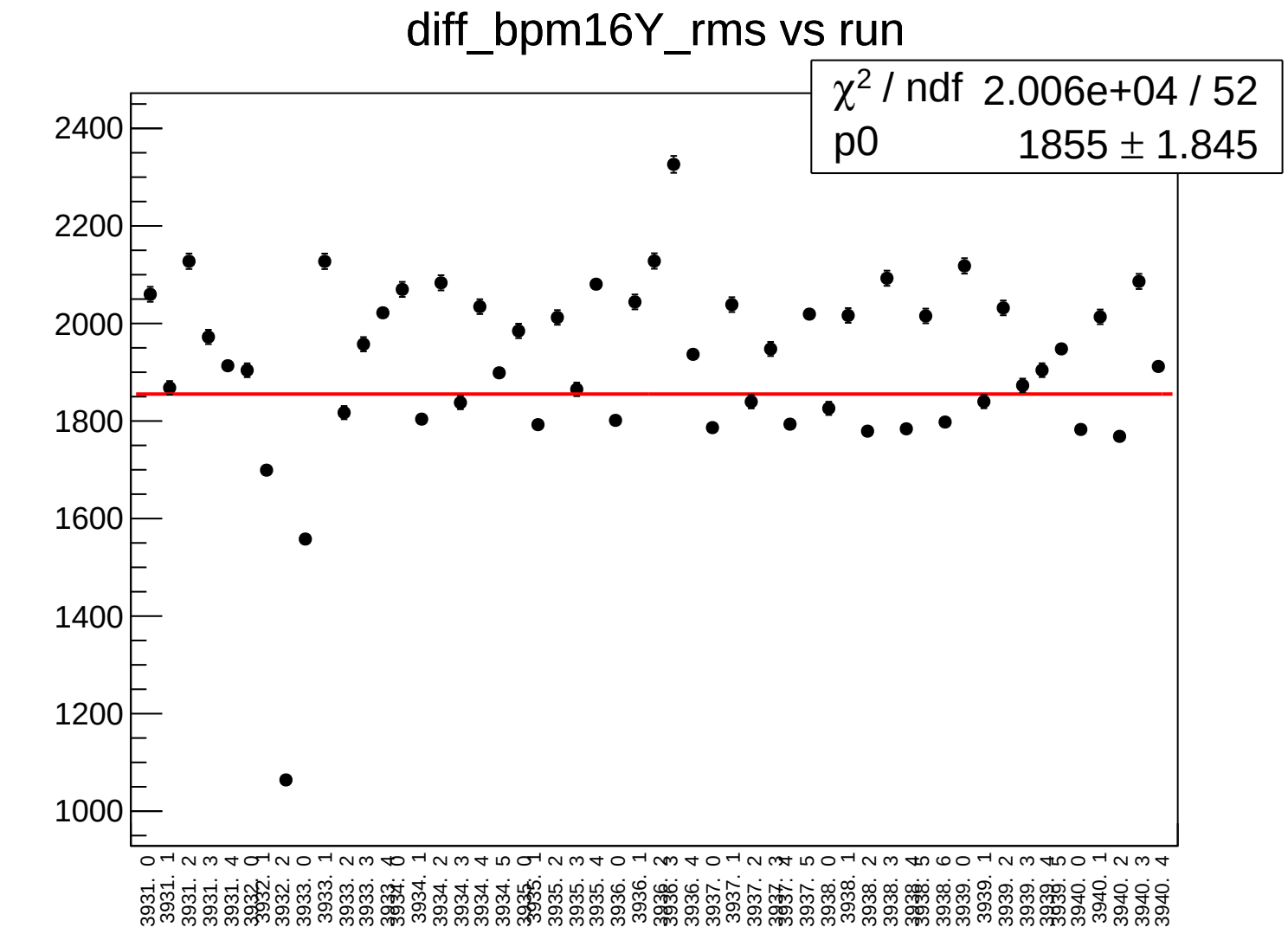

diff_bpm16X_mean vs run
χ² / ndf 55.21 / 52
p0 8.455 ± 6.442
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean 2919
Std Dev 2878
2
1
0
−1
−2

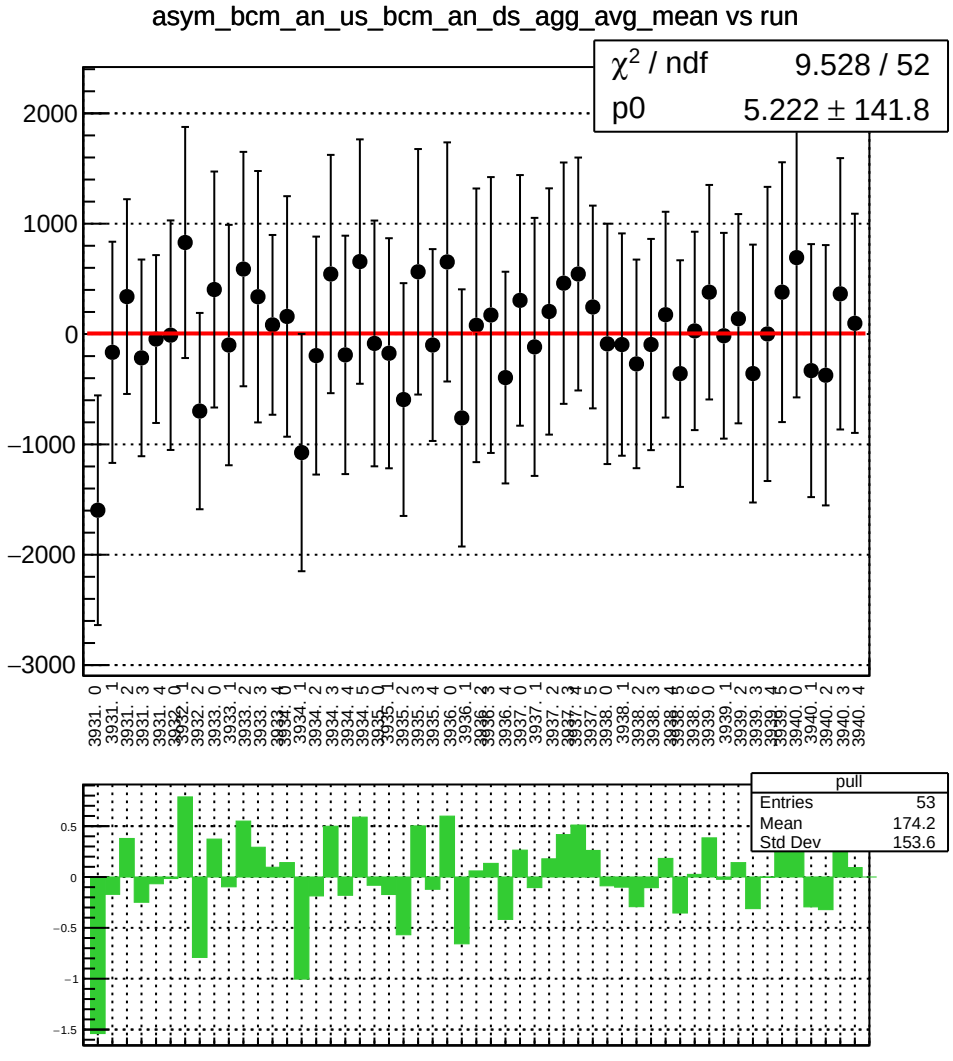

pull1D
Entries 53
Mean 0.0004756
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

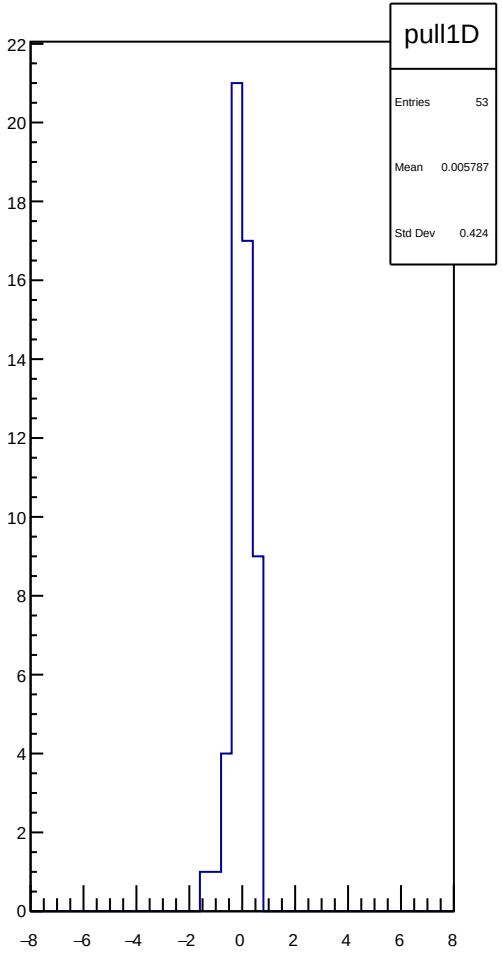

diff_bpm16X_rms vs run
χ² / ndf 677.6 / 52
p0 4624 ± 4.555
4900
4800
4700
4600
4500
4400
4300
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

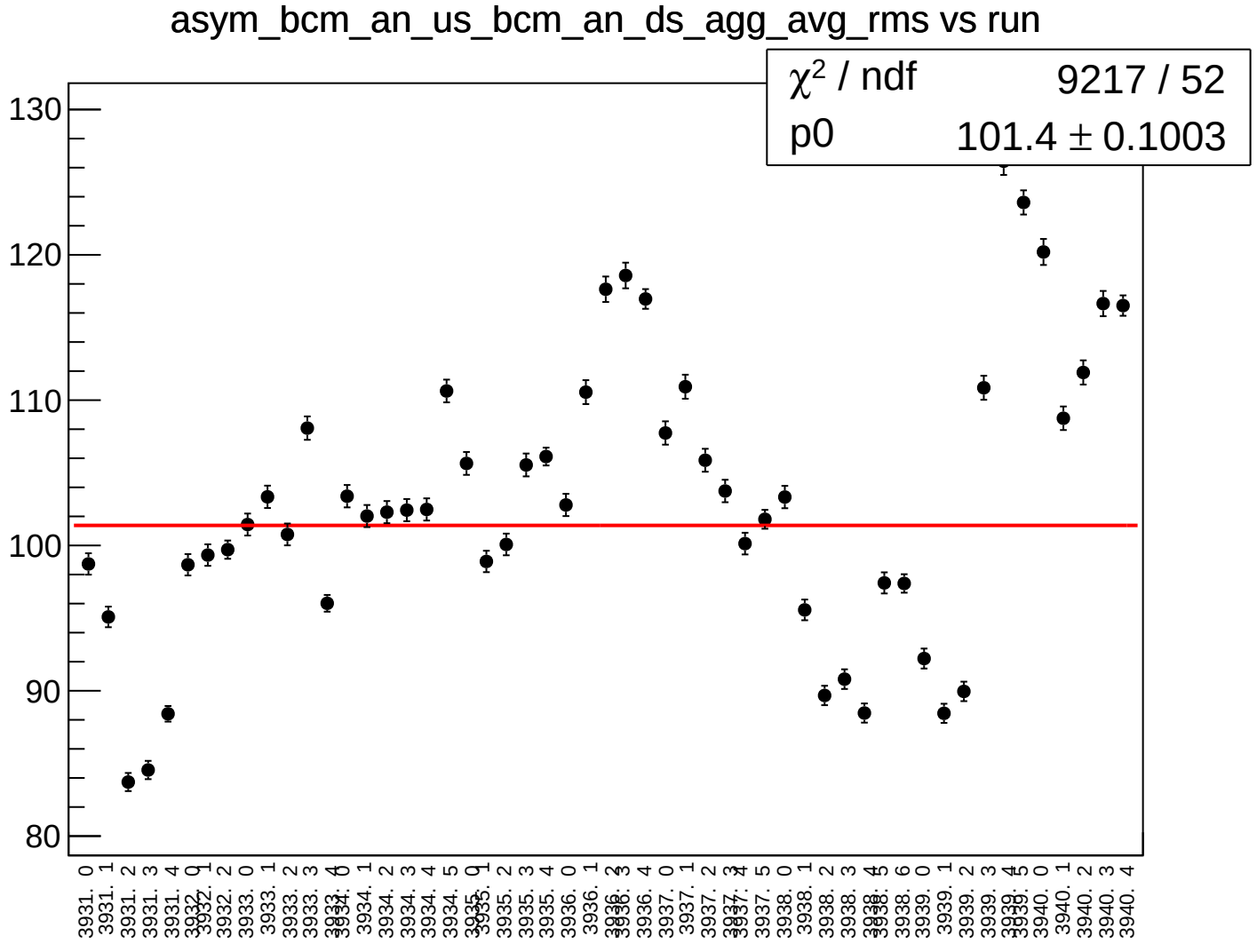

diff_bpm16Y_mean vs run
χ^2 / ndf 41.42 / 52
p0 0.5832 ± 2.609
pull
Entries 53
Mean −37.24
Std Dev 53.32

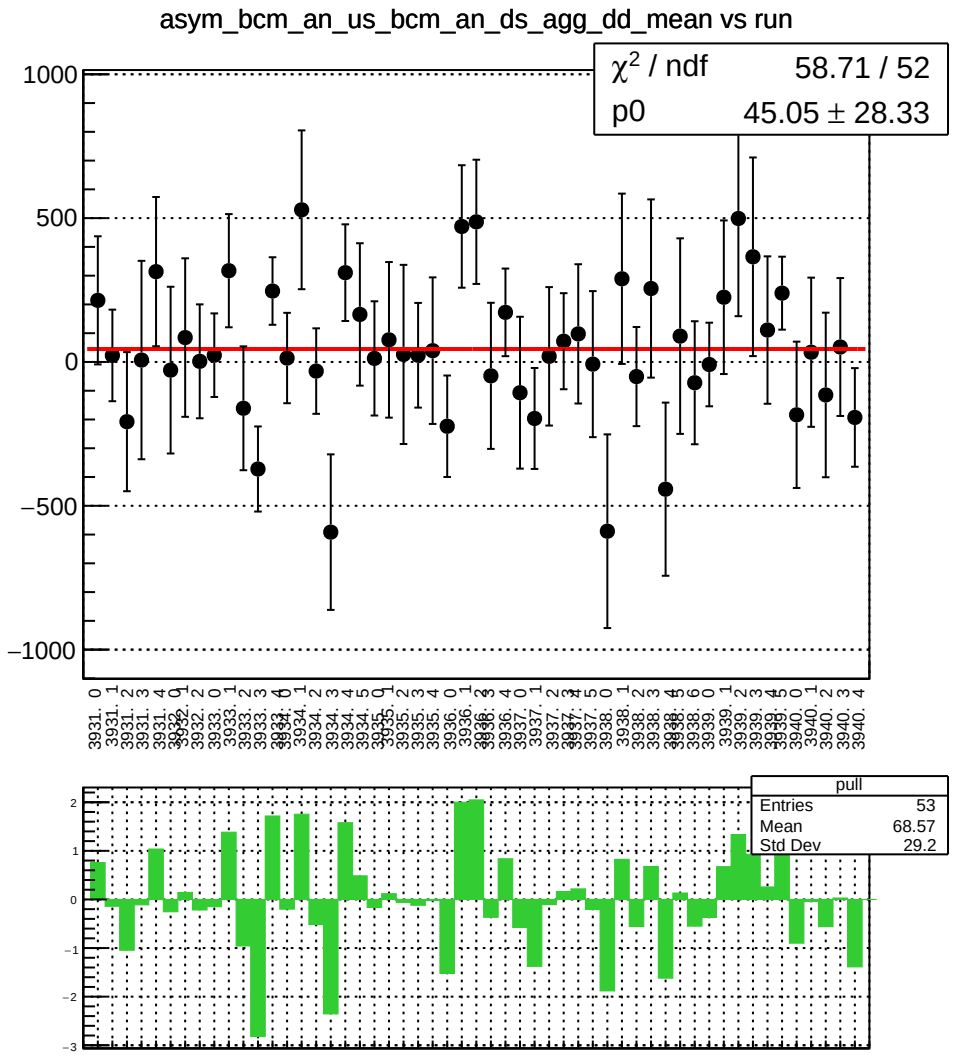

pull1D
Entries 53
Mean −0.00857
Std Dev 0.884

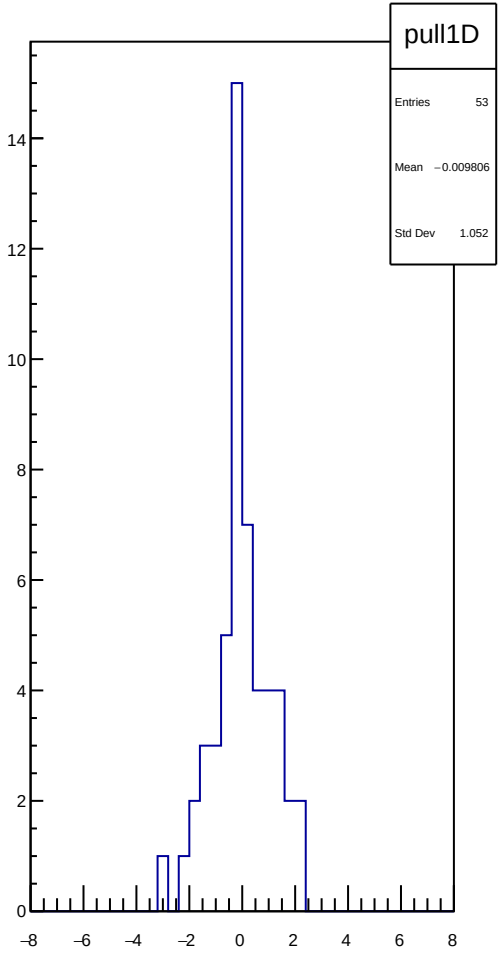

diff_bpm16Y_rms vs run
χ² / ndf 2.006e+04 / 52
p0 1855 ± 1.845
2400
2200
2000
1800
1600
1400
1200
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

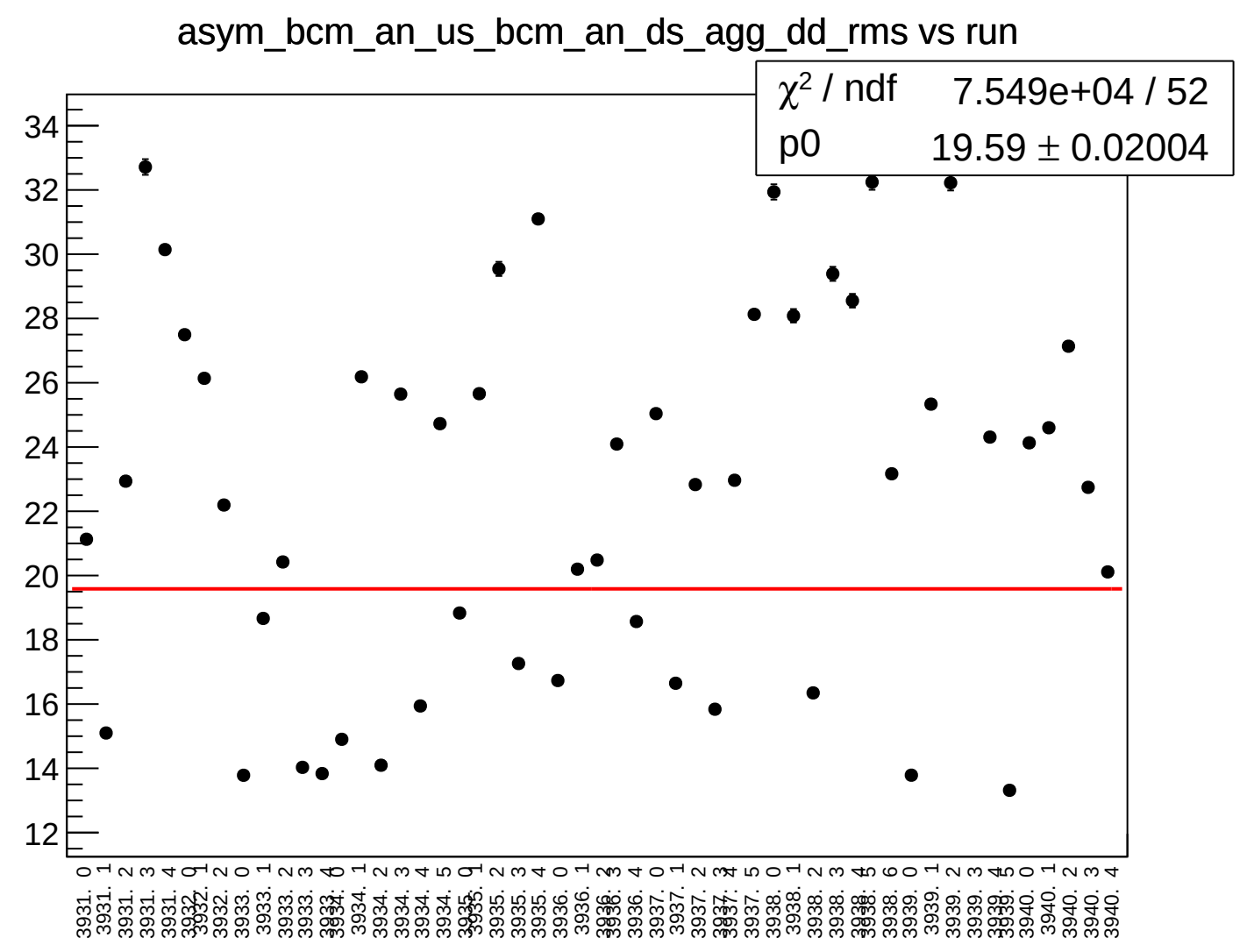

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.528 / 52
p0 5.222 ± 141.8
pull
Entries 53
Mean 174.2
Std Dev 153.6

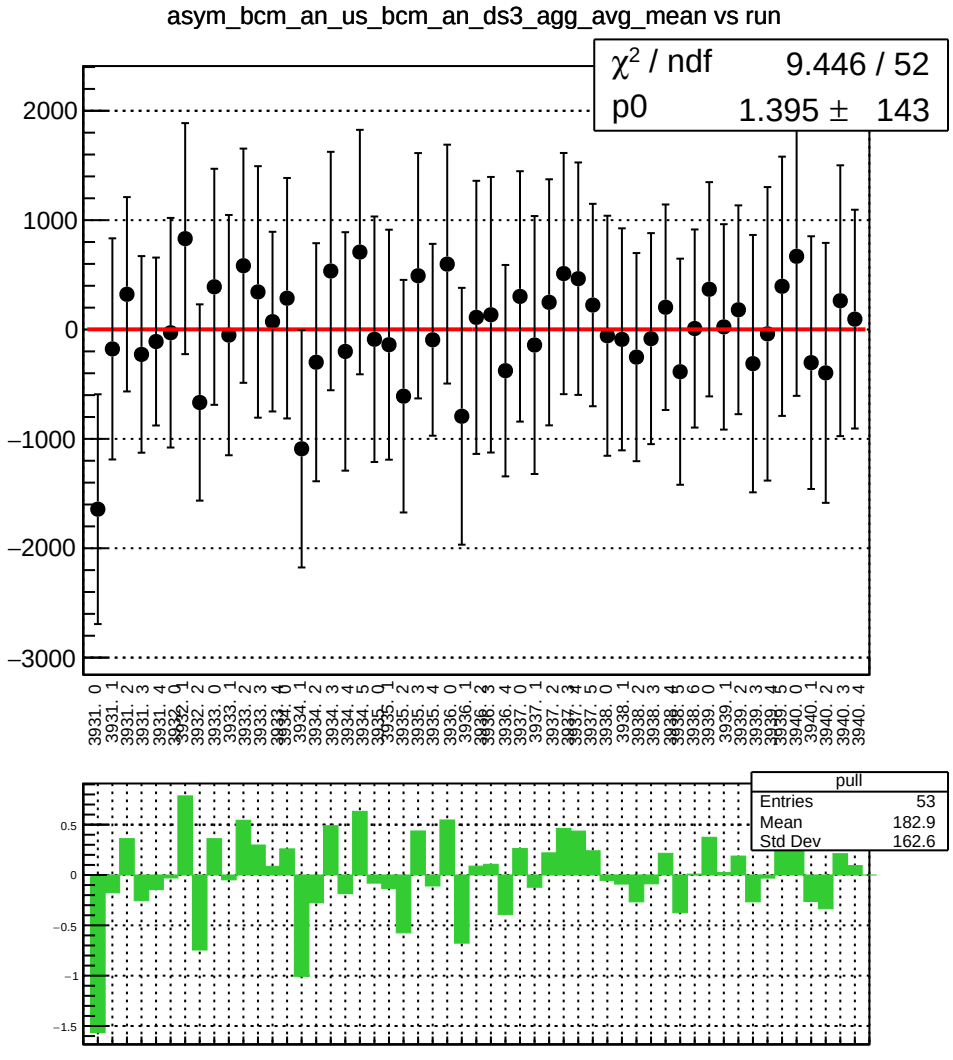

pull1D
Entries 53
Mean 0.005787
Std Dev 0.424

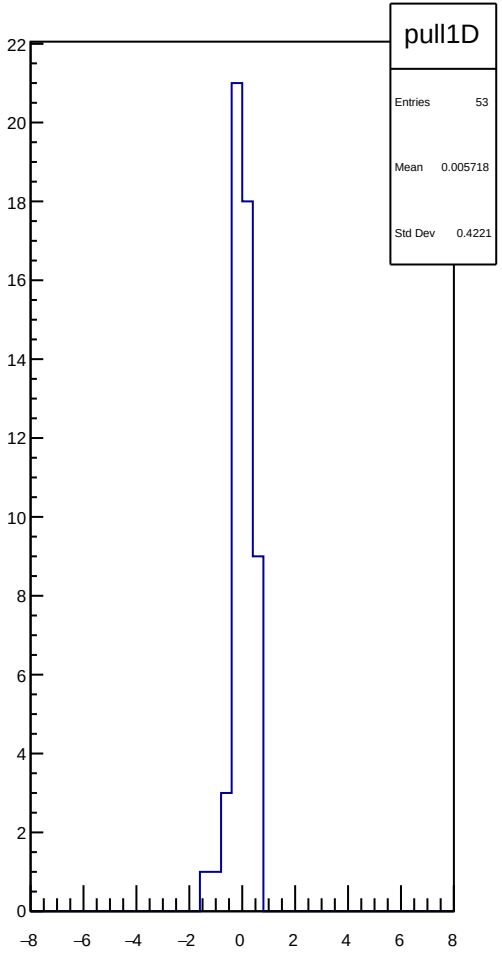

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9217 / 52
p0 101.4 ± 0.1003
130
120
110
100
90
80
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

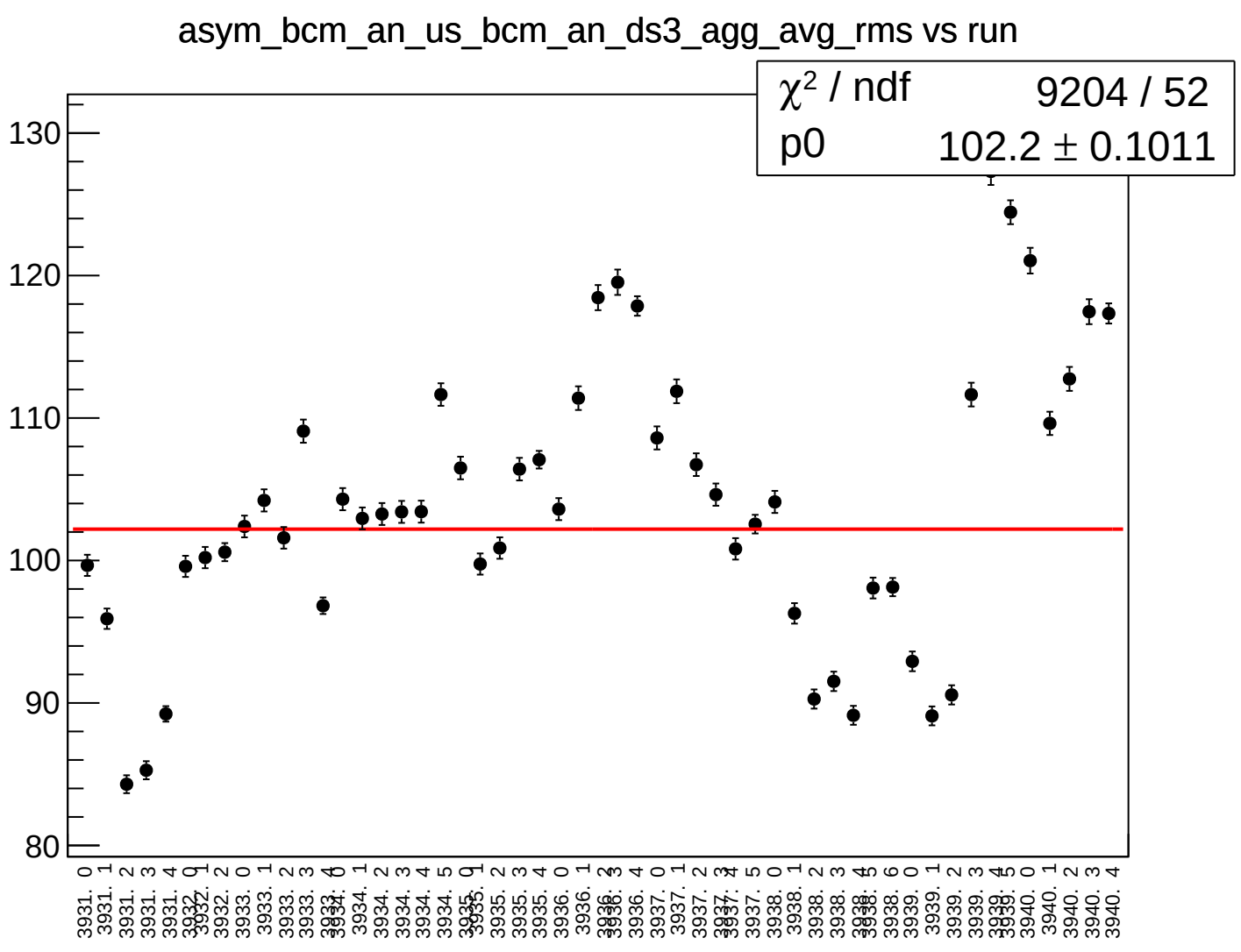

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 58.71 / 52
p0 45.05 ± 28.33
pull
Entries 53
Mean 68.57
Std Dev 29.2


pull1D
Entries 53
Mean −0.009806
Std Dev 1.052


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 7.549e+04 / 52
p0 19.59 ± 0.02004
34
32
30
28
26
24
22
20
18
16
14
12


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 9.446 / 52
p0 1.395 ± 143
pull
Entries 53
Mean 182.9
Std Dev 162.6


pull1D
Entries 53
Mean 0.005718
Std Dev 0.4221


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 9204 / 52
p0 102.2 ± 0.1011
130
120
110
100
90
80
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
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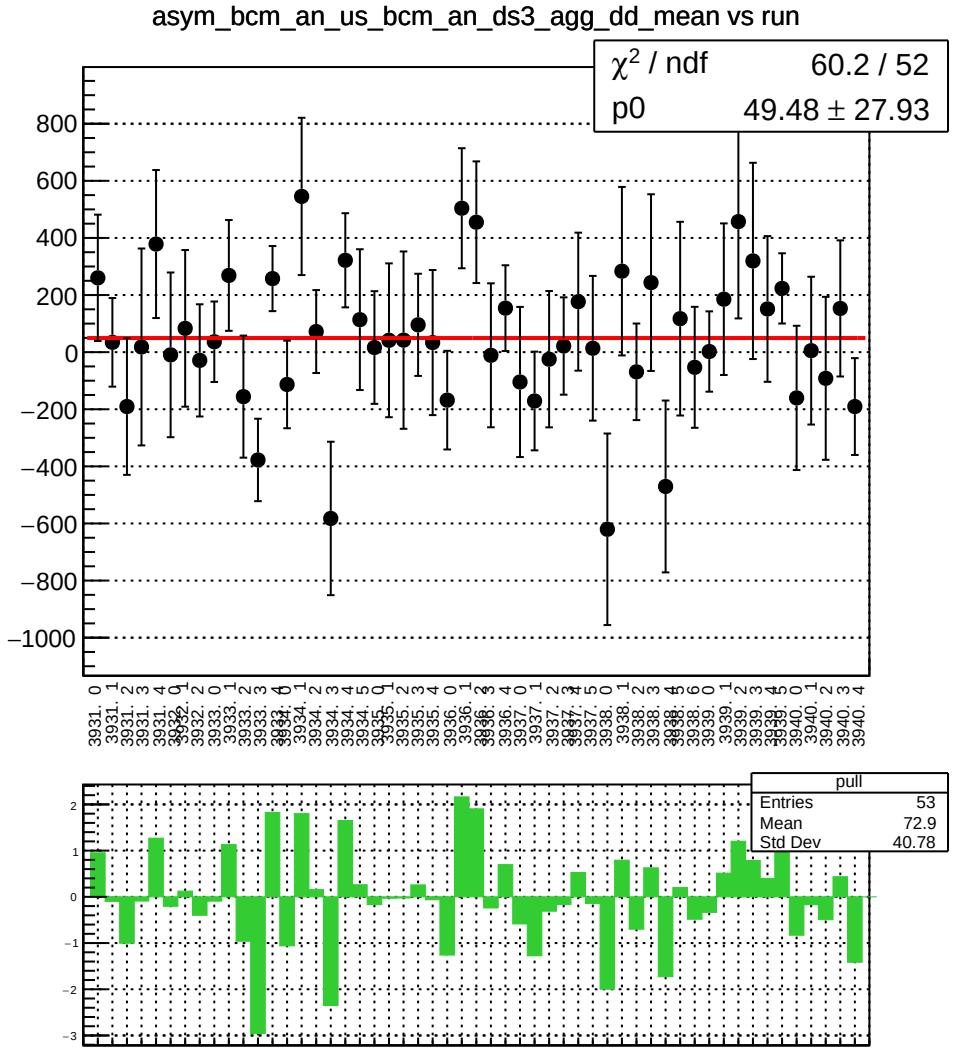
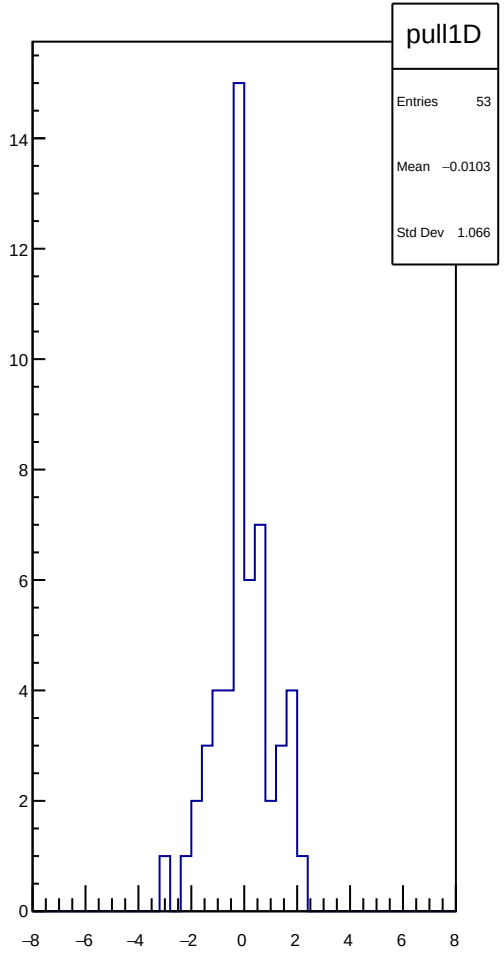
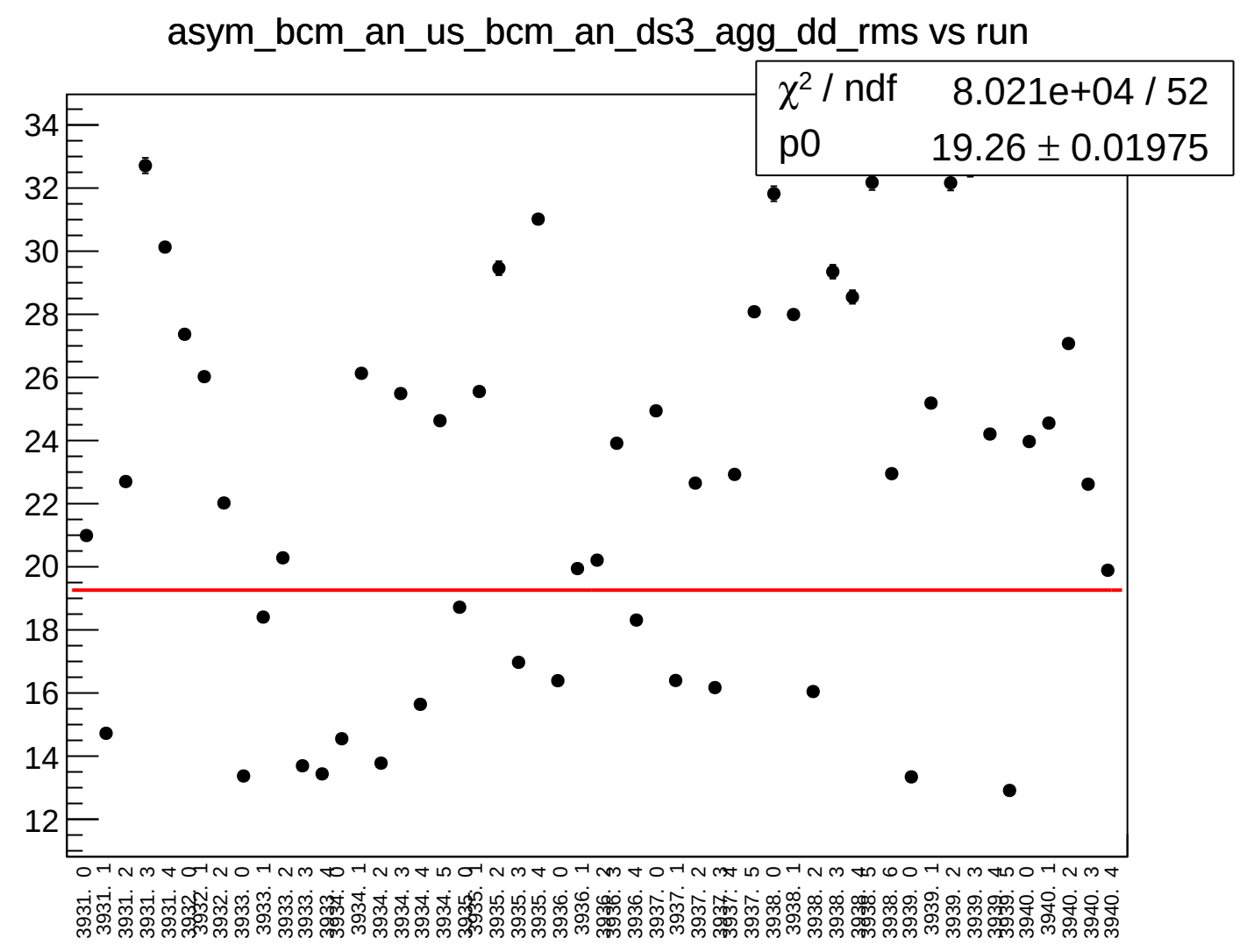
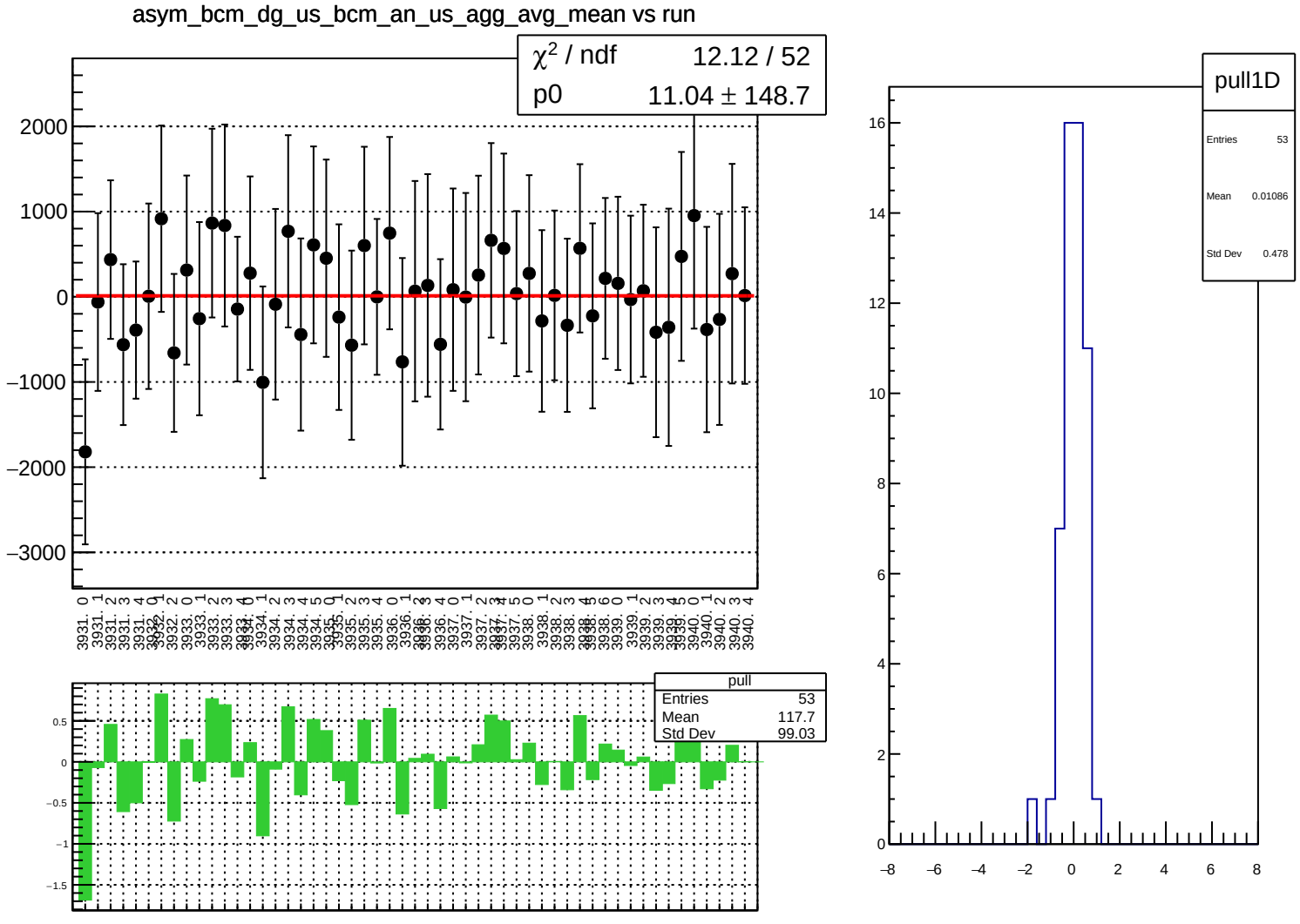
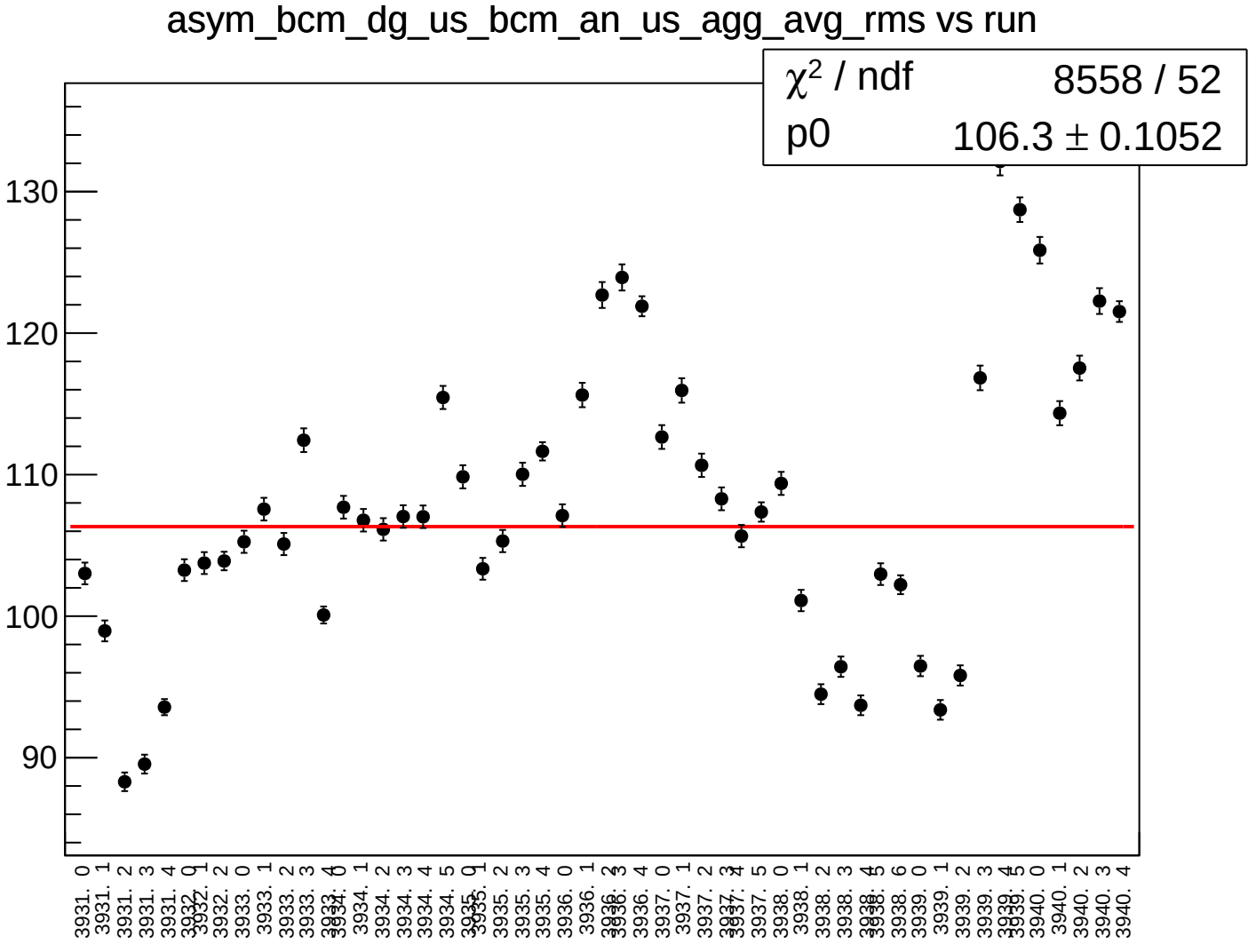
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

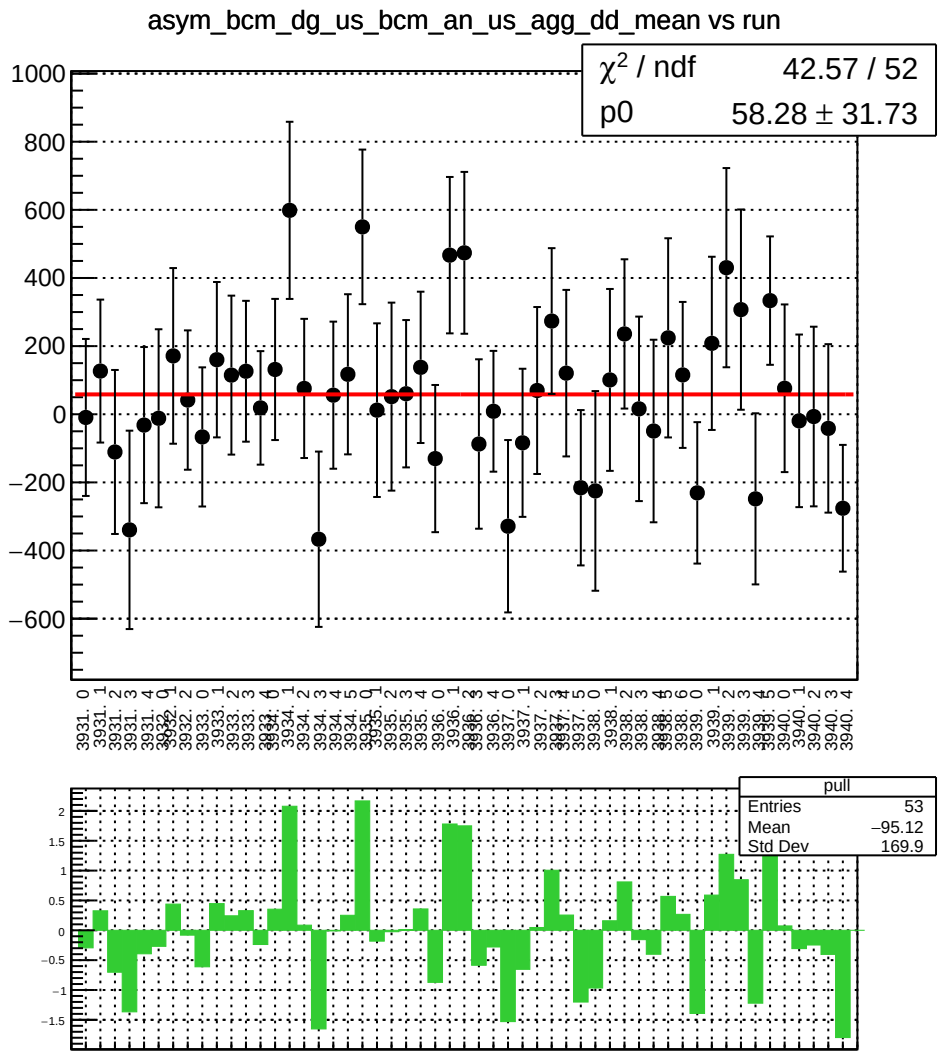

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 60.2 / 52
p0 49.48 ± 27.93
pull
Entries 53
Mean 72.9
Std Dev 40.78

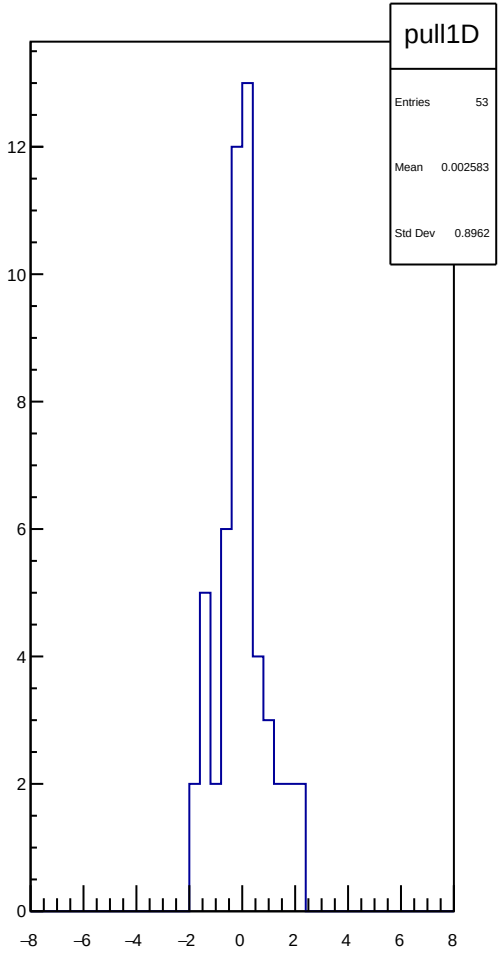

pull1D
Entries 53
Mean −0.0103
Std Dev 1.066

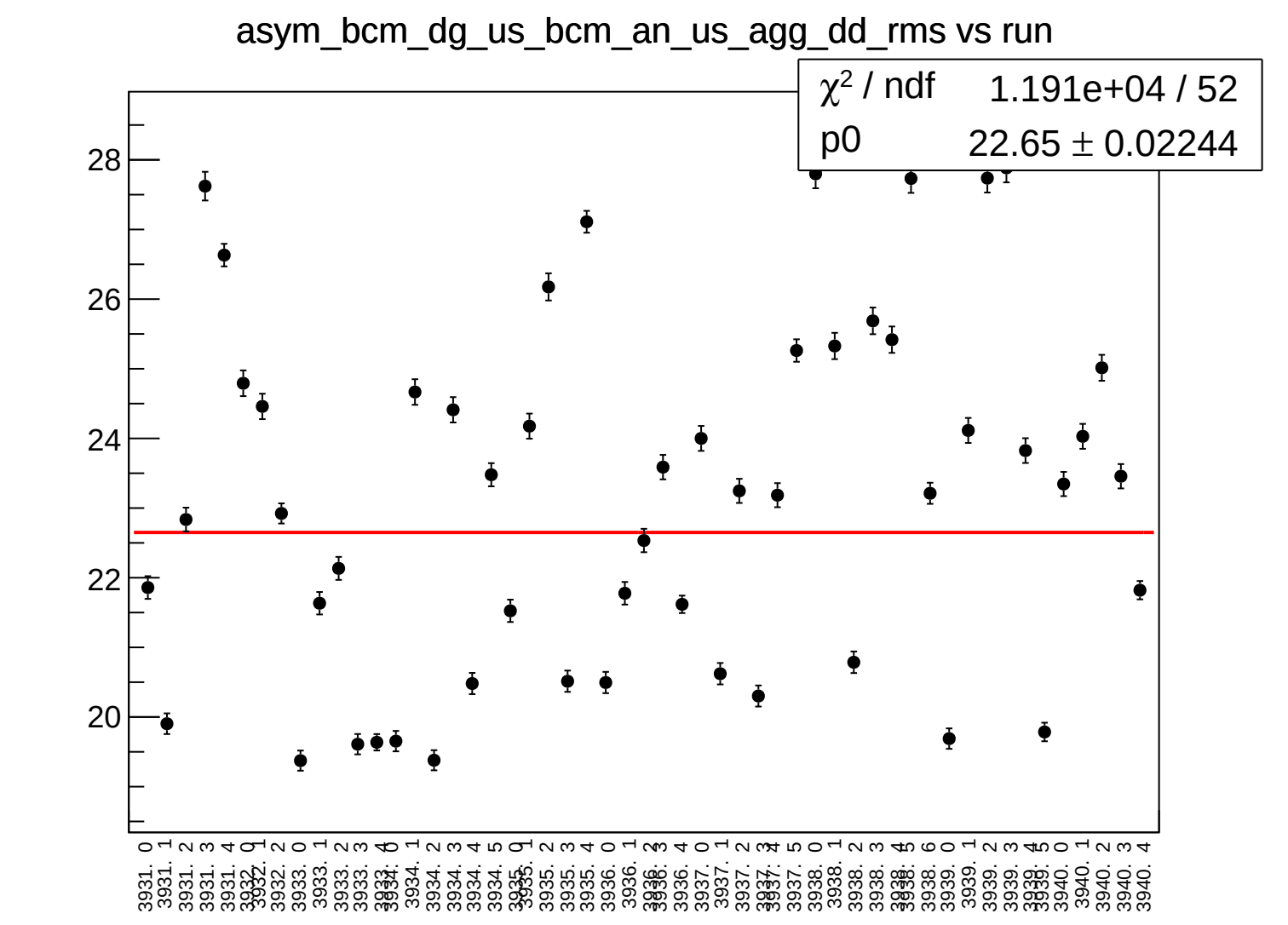

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 8.021e+04 / 52
p0 19.26 ± 0.01975
34
32
30
28
26
24
22
20
18
16
14
12

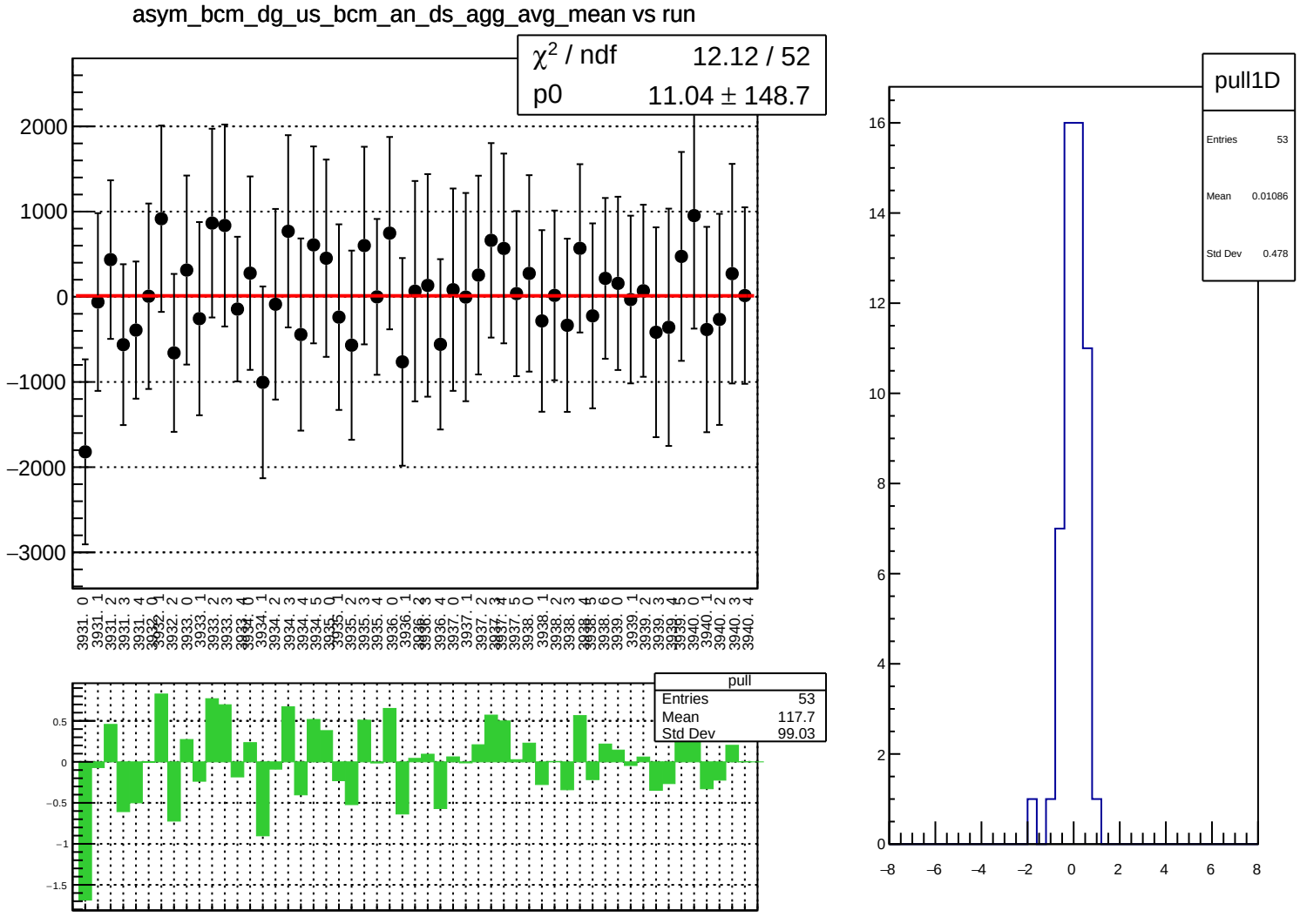

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 12.12 / 52
p0 11.04 ± 148.7
pull
Entries 53
Mean 117.7
Std Dev 99.03
pull1D
Entries 53
Mean 0.01086
Std Dev 0.478

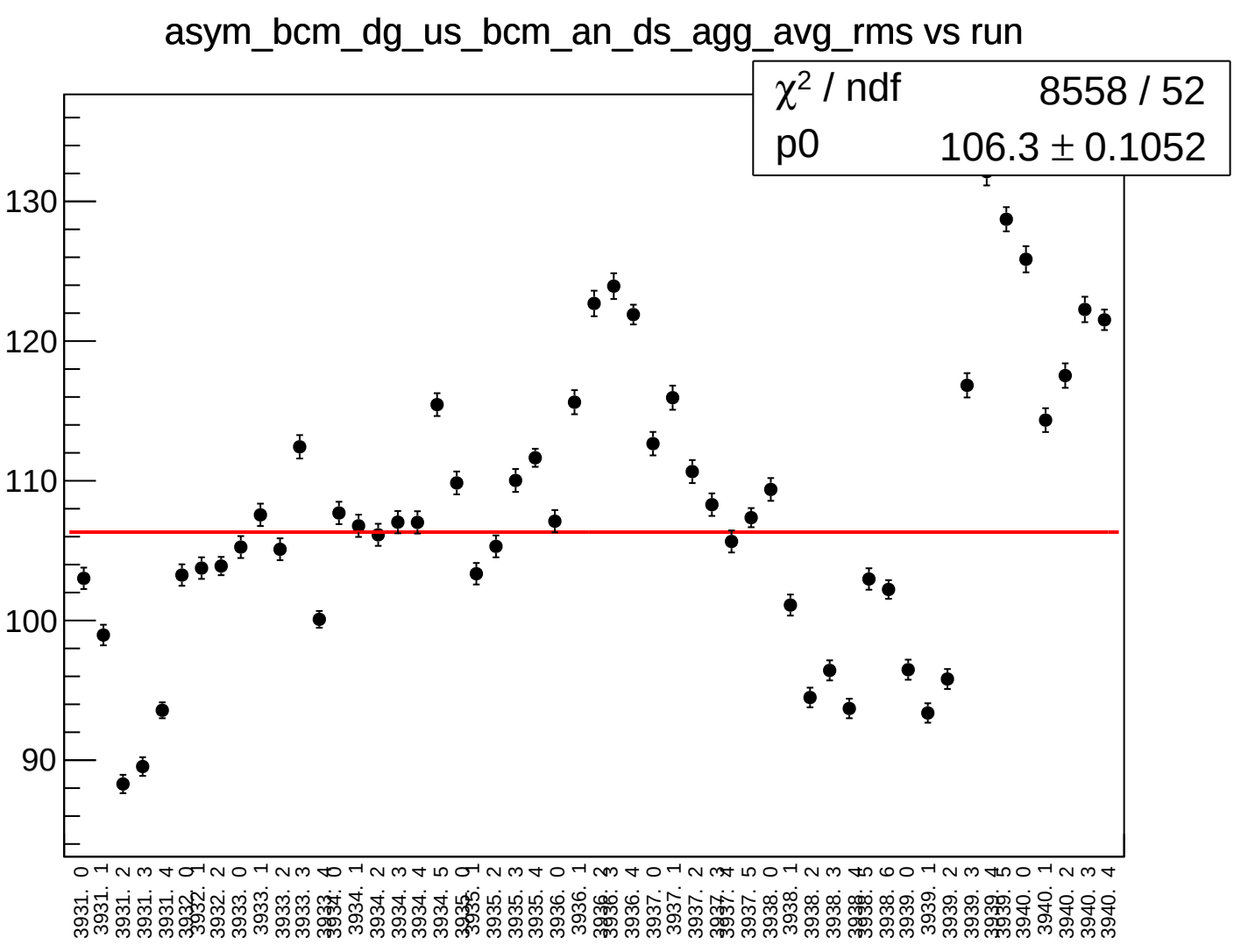

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 8558 / 52
p0 106.3 ± 0.1052
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

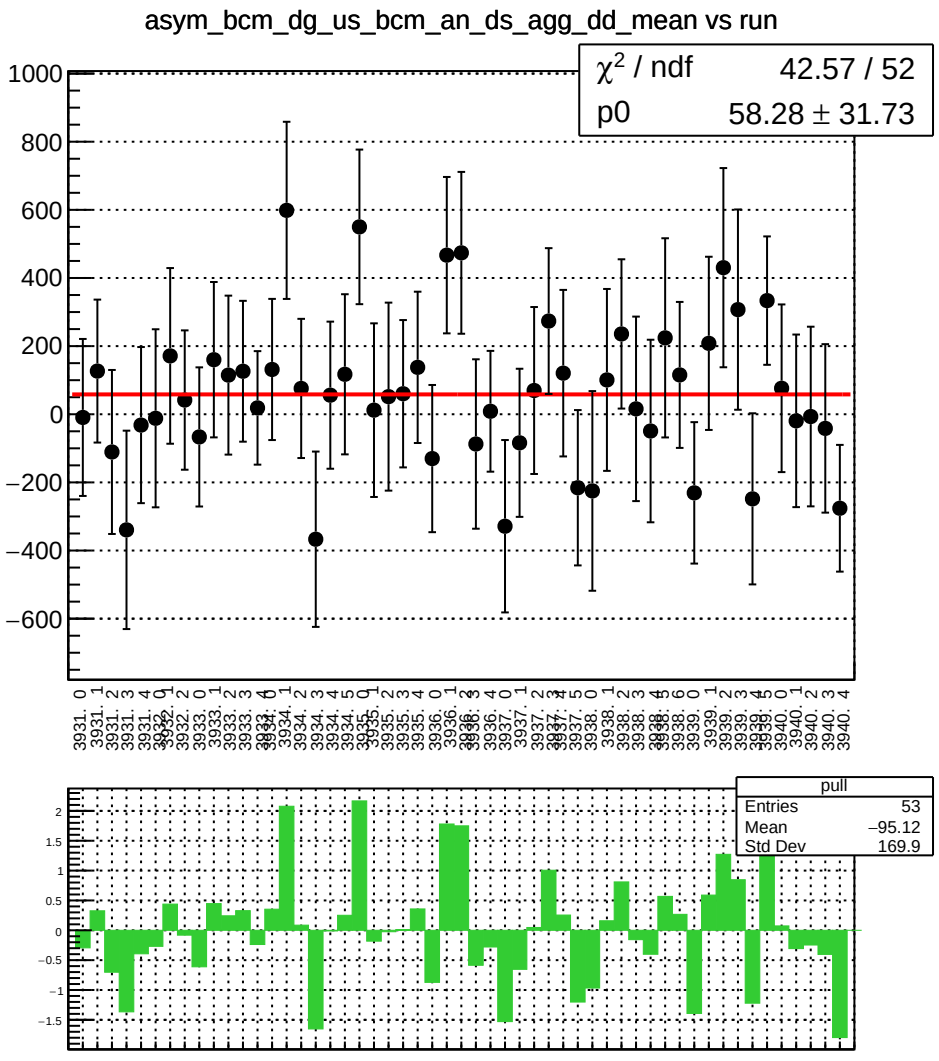

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 42.57 / 52
p0 58.28 ± 31.73
pull
Entries 53
Mean −95.12
Std Dev 169.9

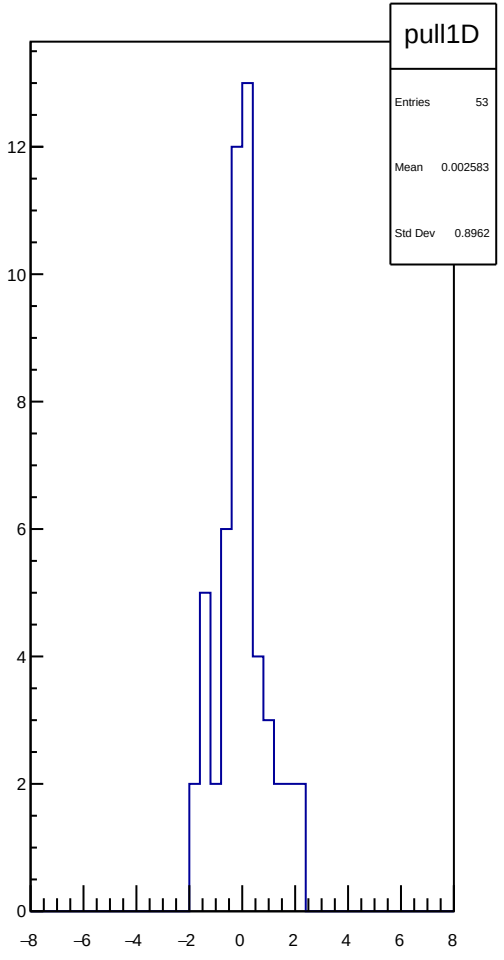

pull1D
Entries 53
Mean 0.002583
Std Dev 0.8962

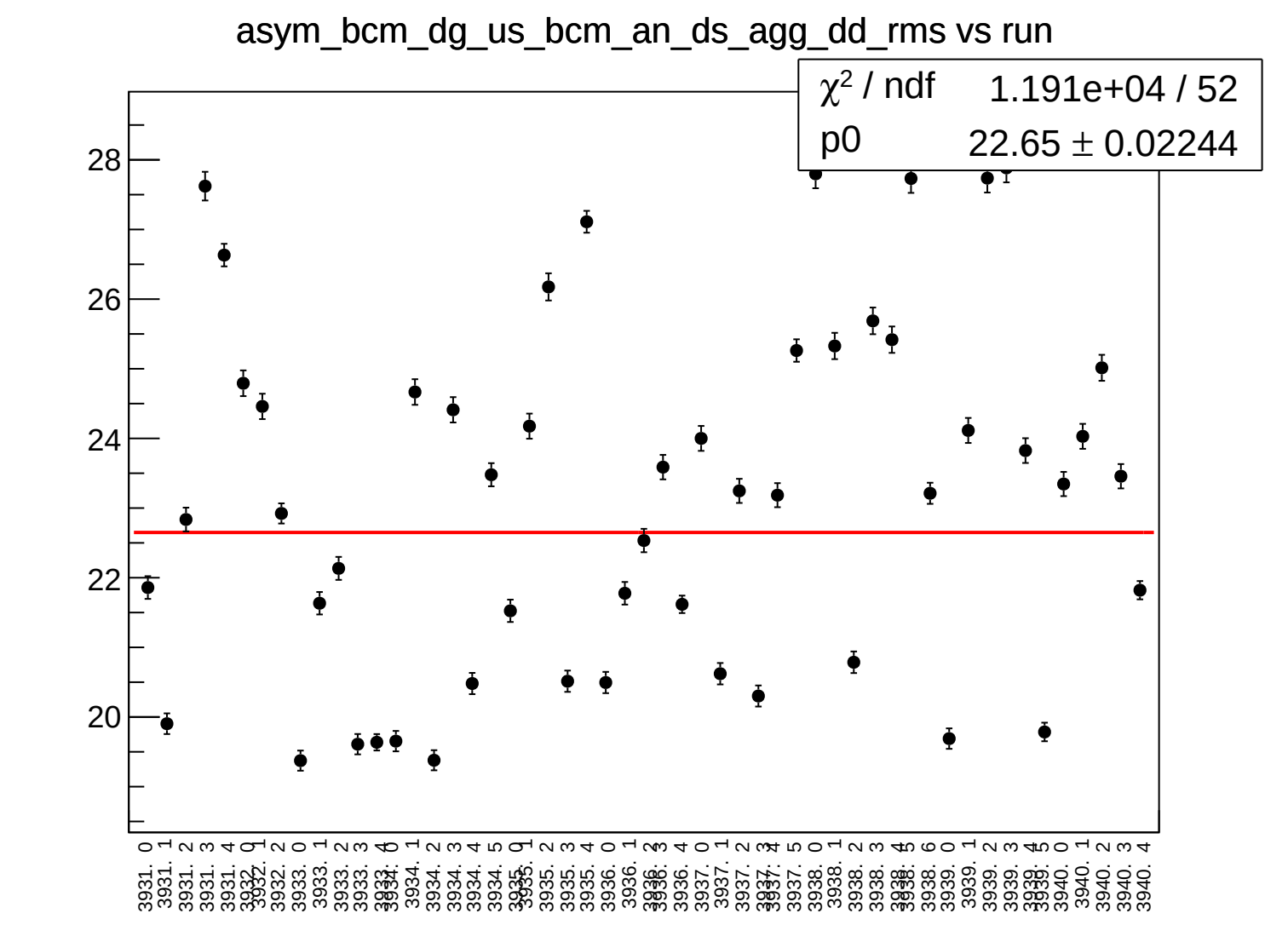

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1.191e+04 / 52
p0 22.65 ± 0.02244
28
26
24
22
20
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

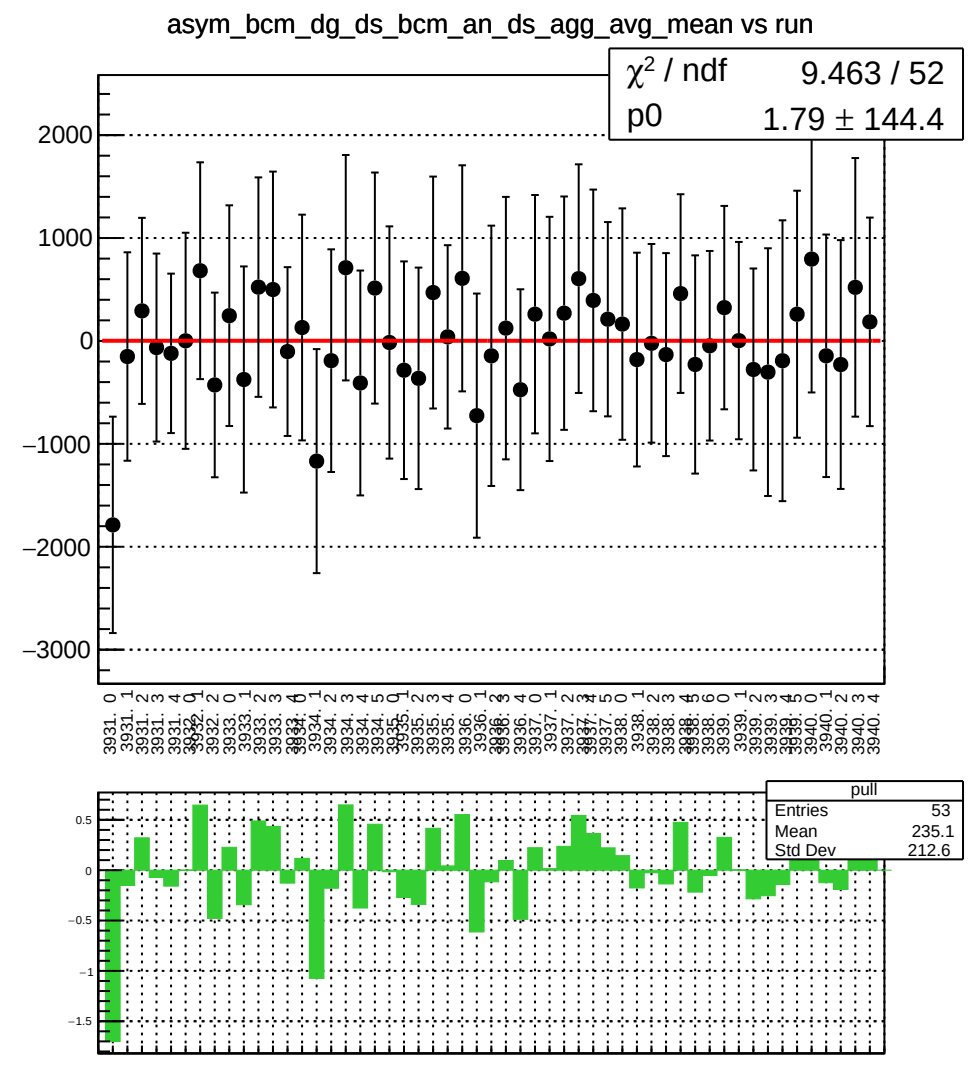

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.12 / 52
p0 11.04 ± 148.7
pull
Entries 53
Mean 117.7
Std Dev 99.03
pull1D
Entries 53
Mean 0.01086
Std Dev 0.478

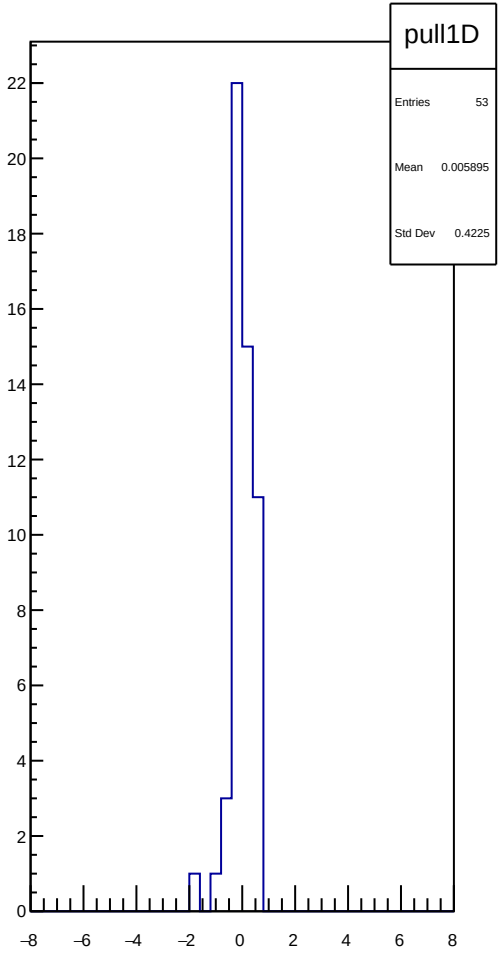

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 8558 / 52
p0 106.3 ± 0.1052
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

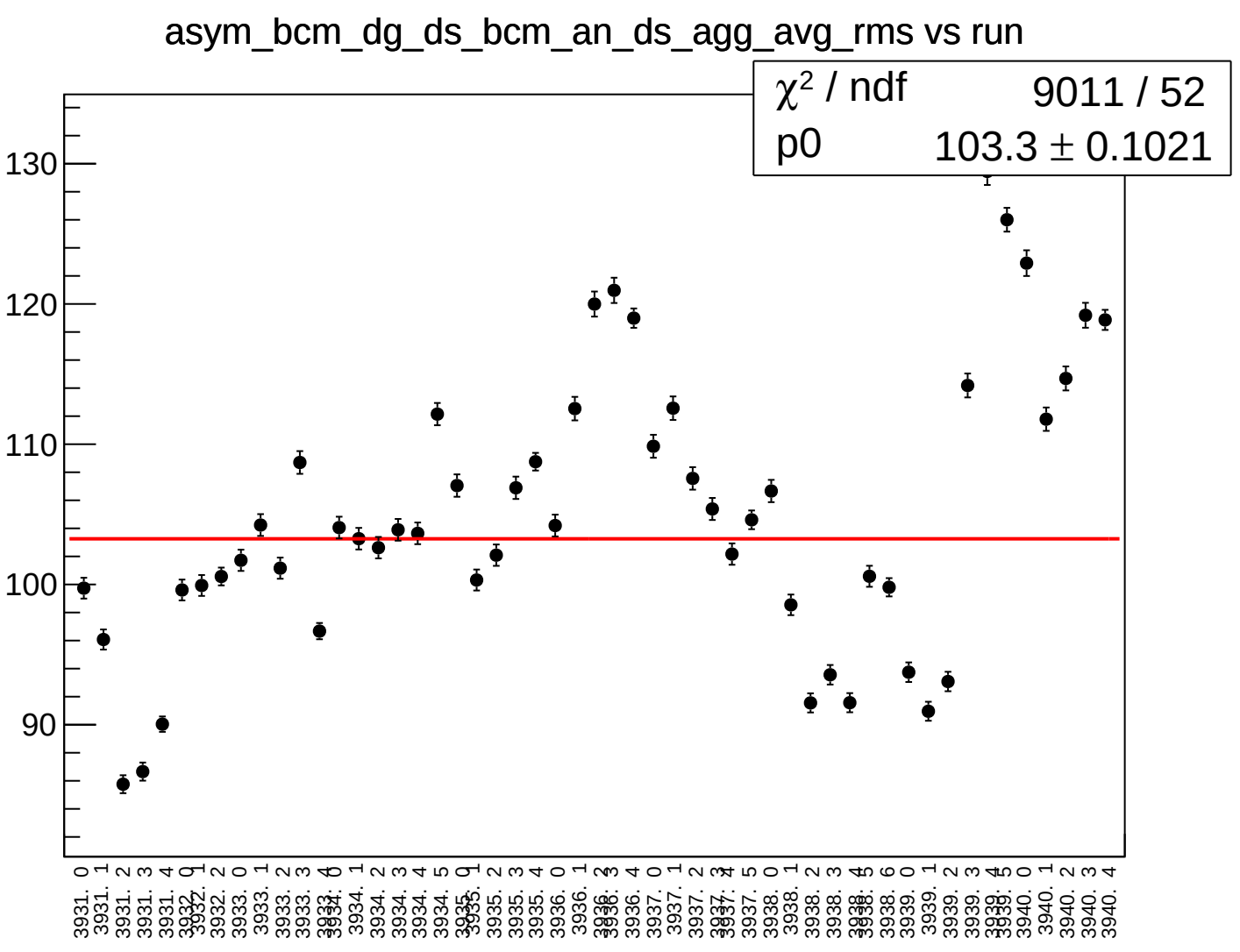

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 42.57 / 52
p0 58.28 ± 31.73
pull
Entries 53
Mean −95.12
Std Dev 169.9

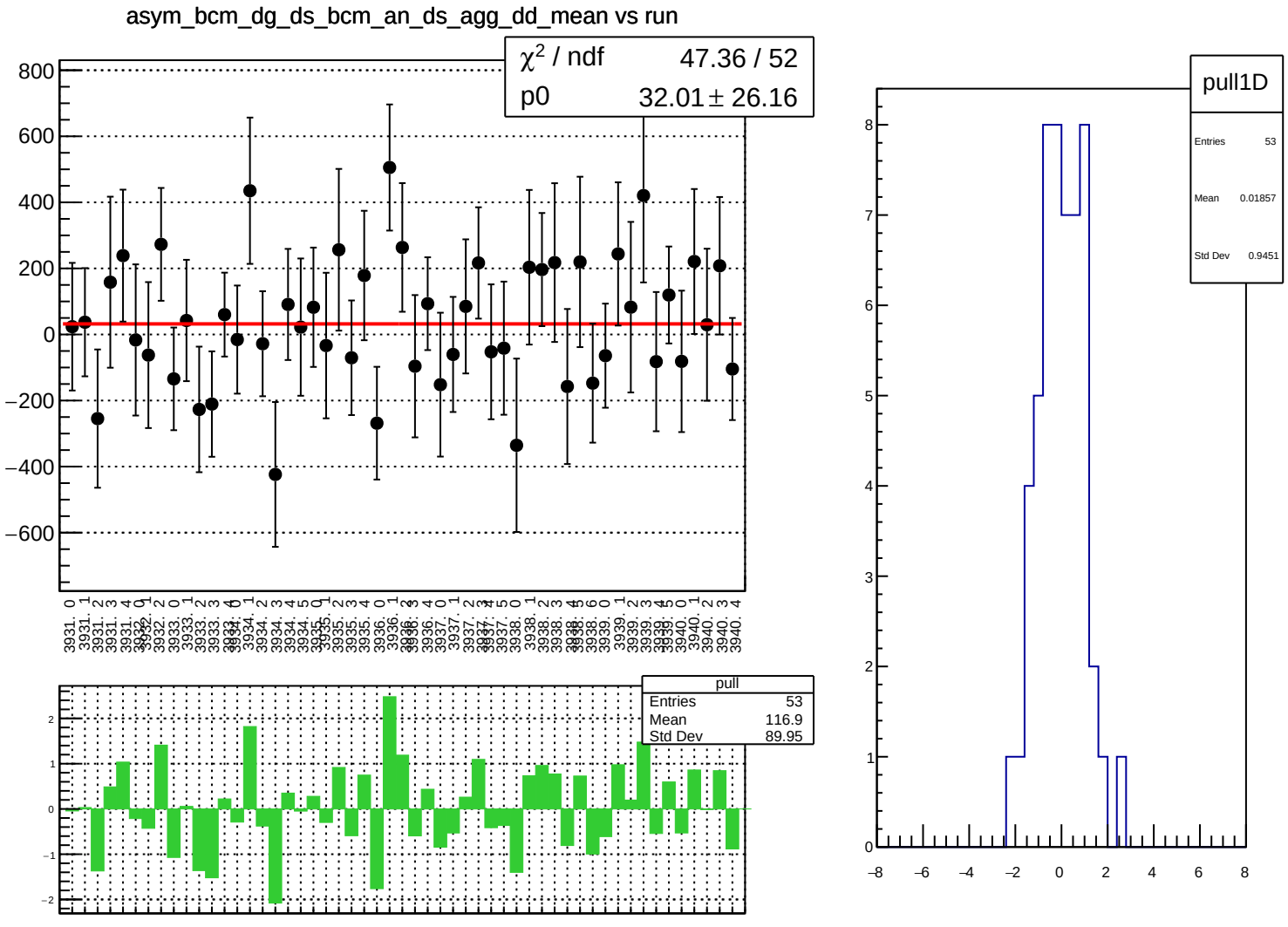

pull1D
Entries 53
Mean 0.002583
Std Dev 0.8962

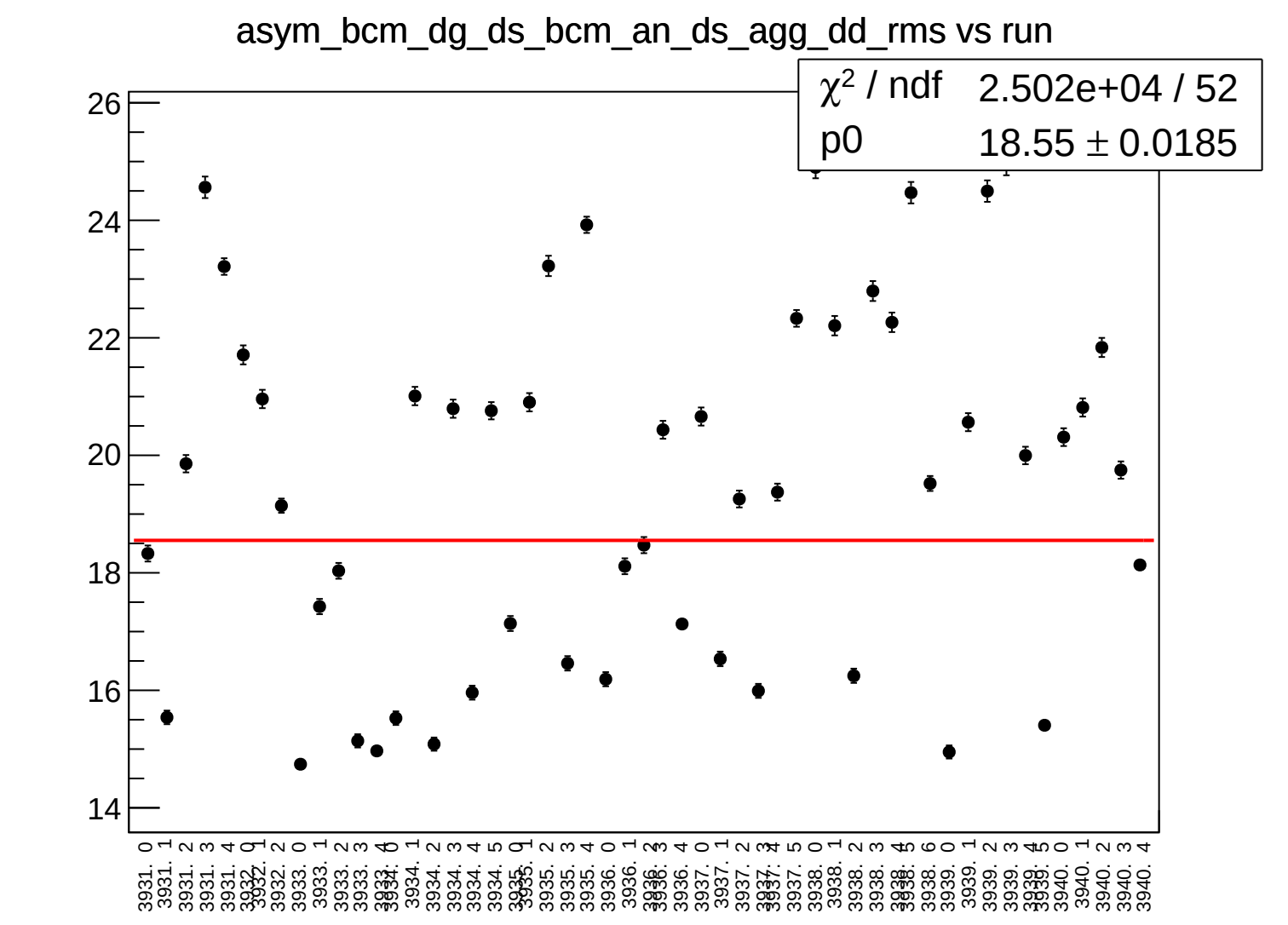

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.191e+04 / 52
p0 22.65 ± 0.02244
28
26
24
22
20

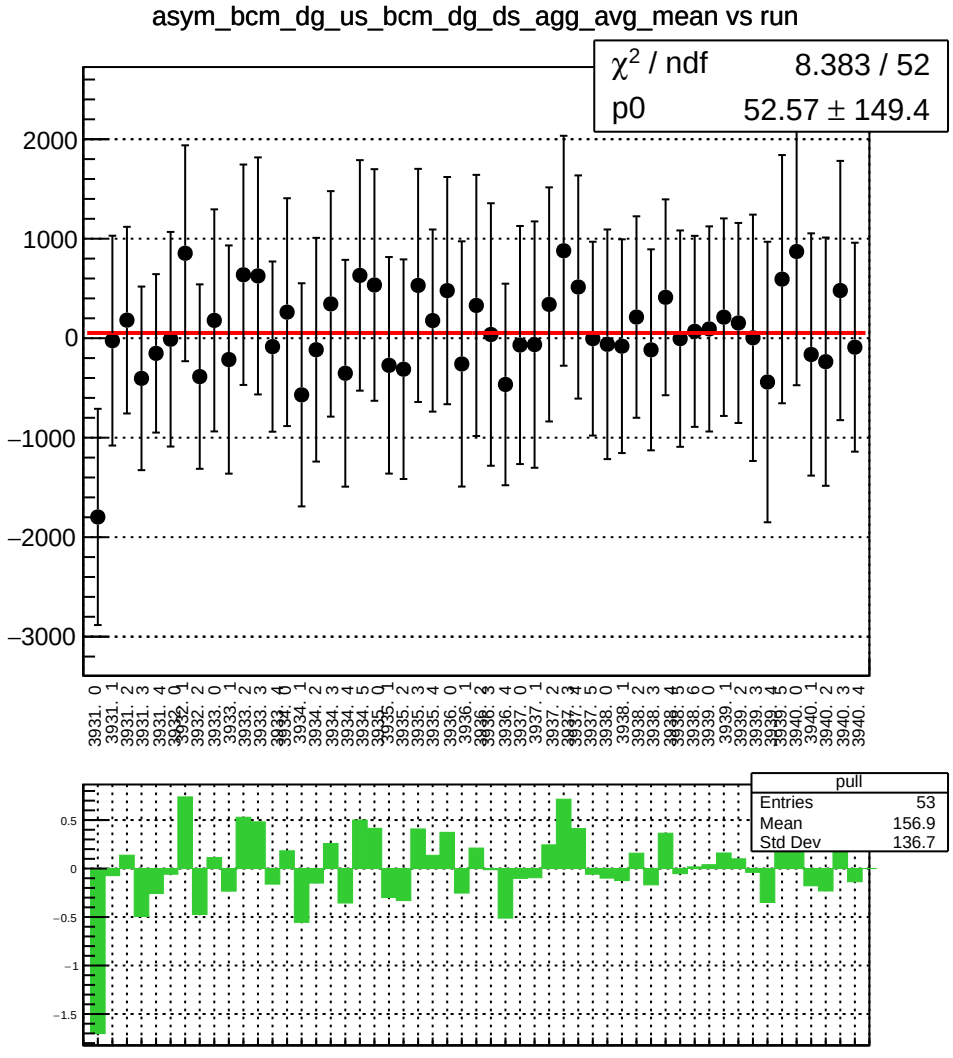

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.463 / 52
p0 1.79 ± 144.4
pull
Entries 53
Mean 235.1
Std Dev 212.6

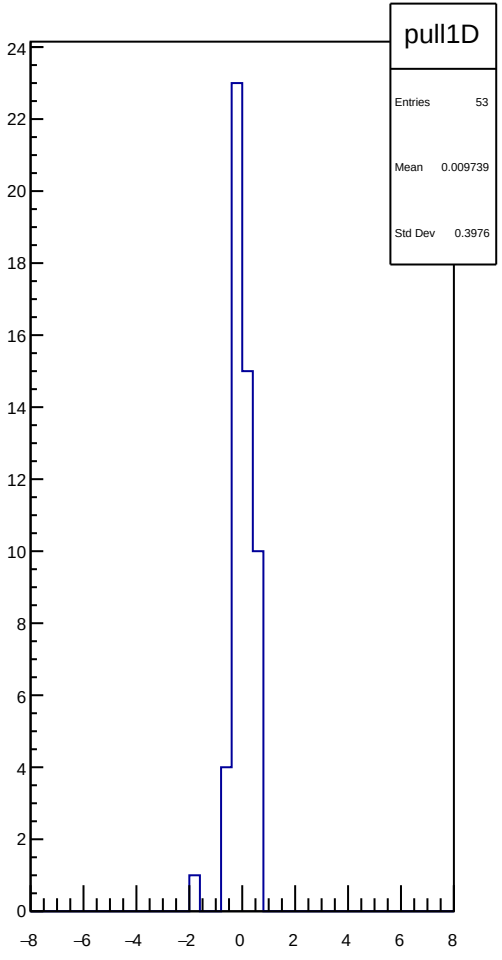

pull1D
Entries 53
Mean 0.005895
Std Dev 0.4225

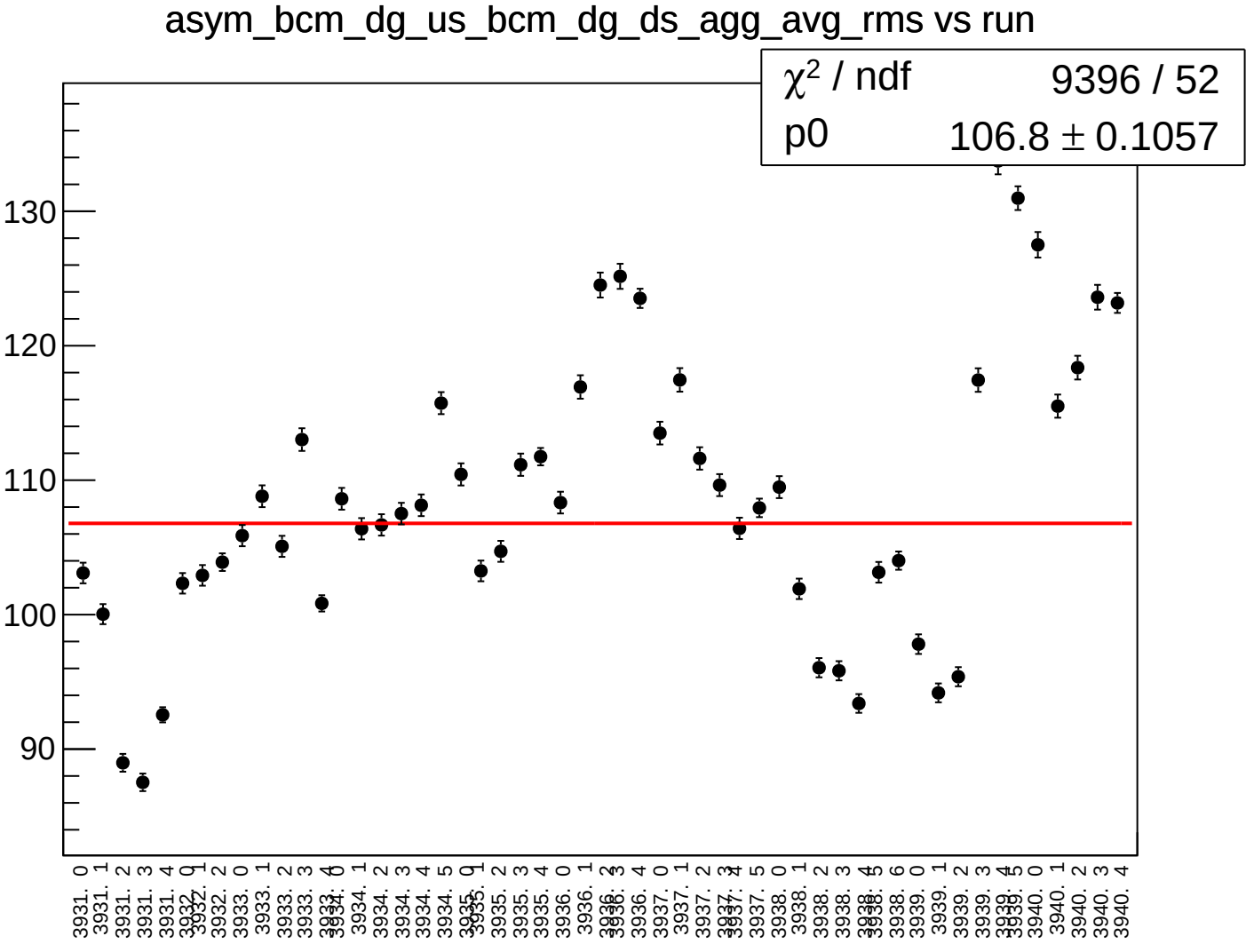

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 9011 / 52
p0 103.3 ± 0.1021
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

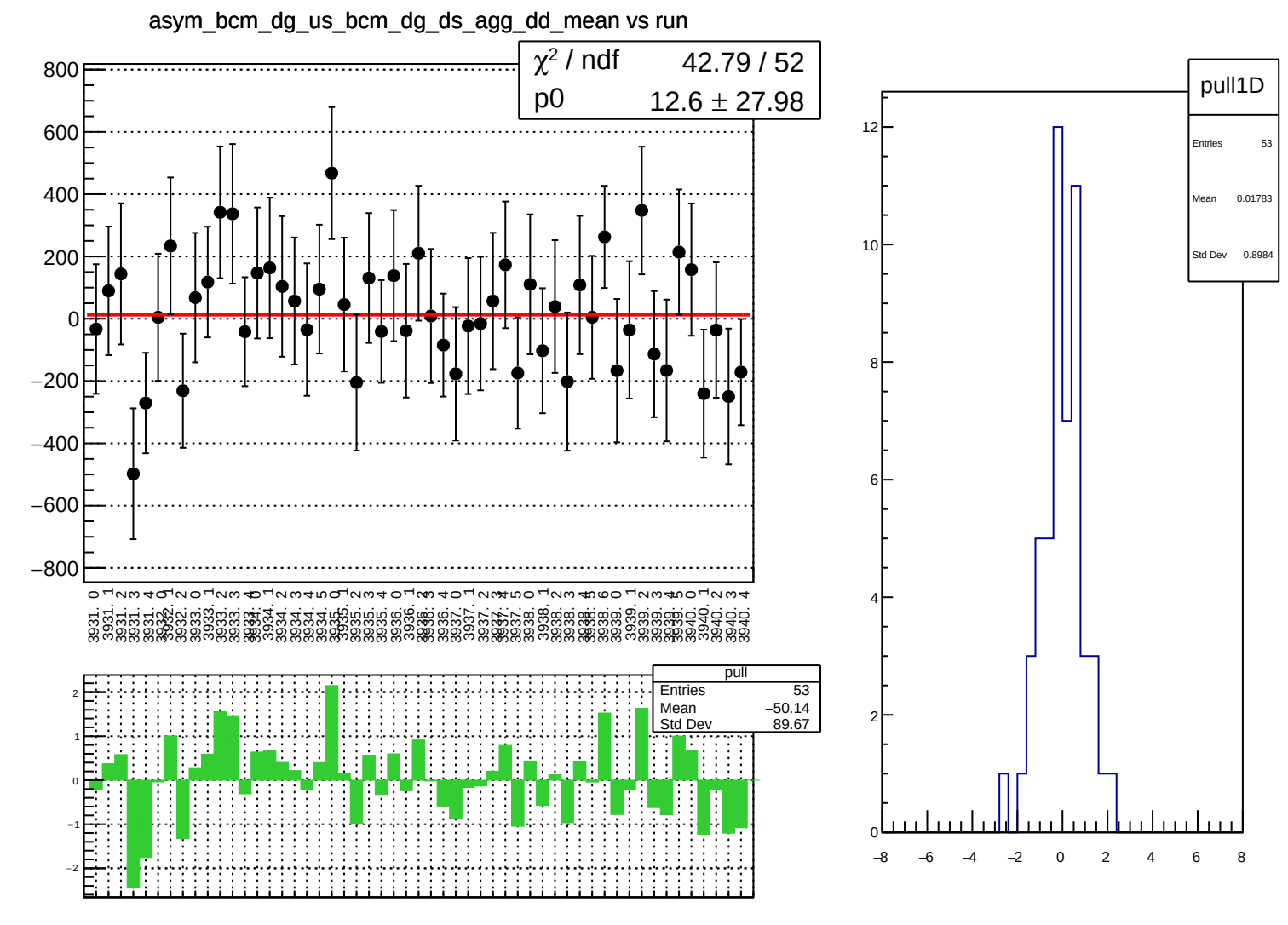

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 47.36 / 52
p0 32.01 ± 26.16
pull
Entries 53
Mean 116.9
Std Dev 89.95
pull1D
Entries 53
Mean 0.01857
Std Dev 0.9451

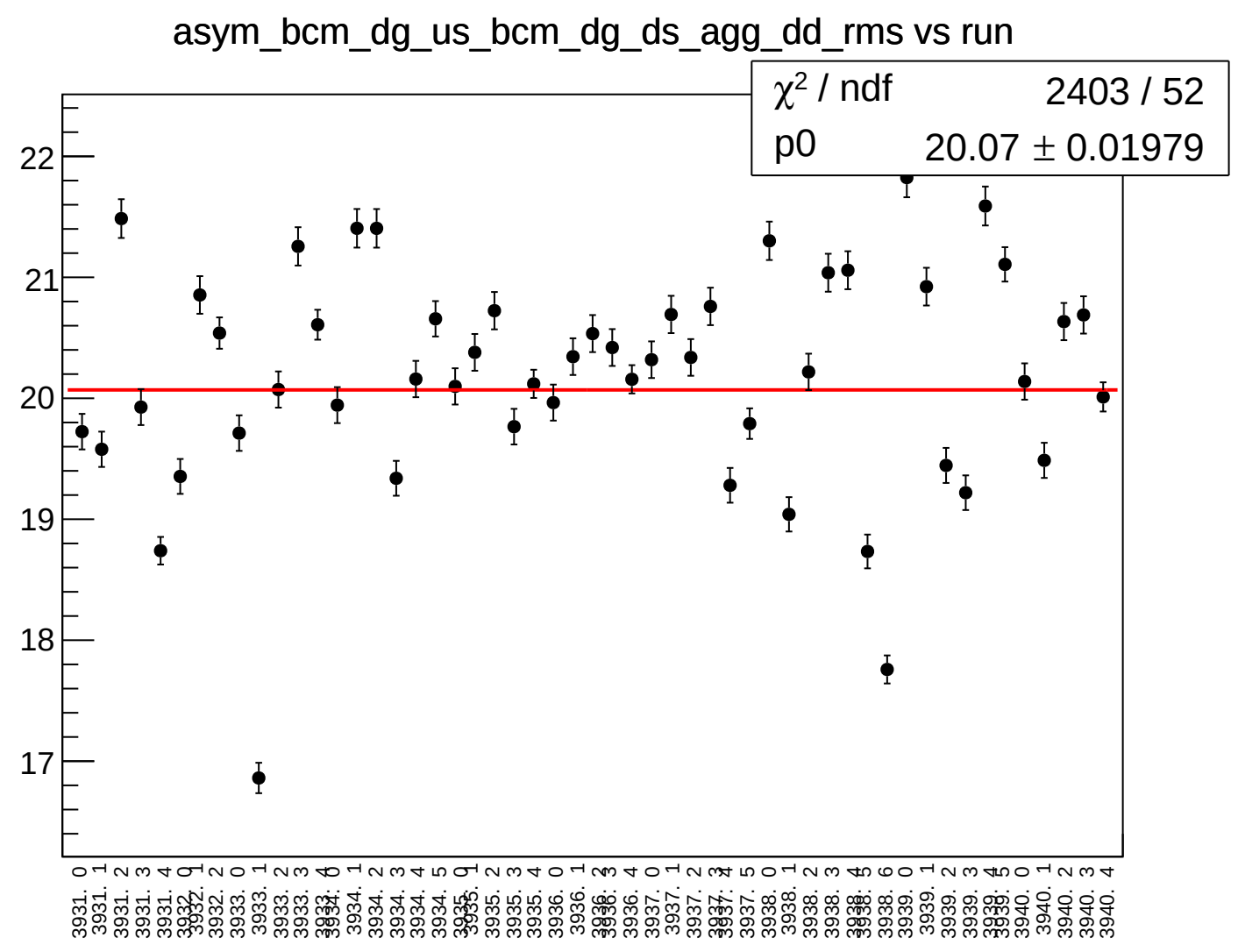

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2.502e+04 / 52
p0 18.55 ± 0.0185
26
24
22
20
18
16
14

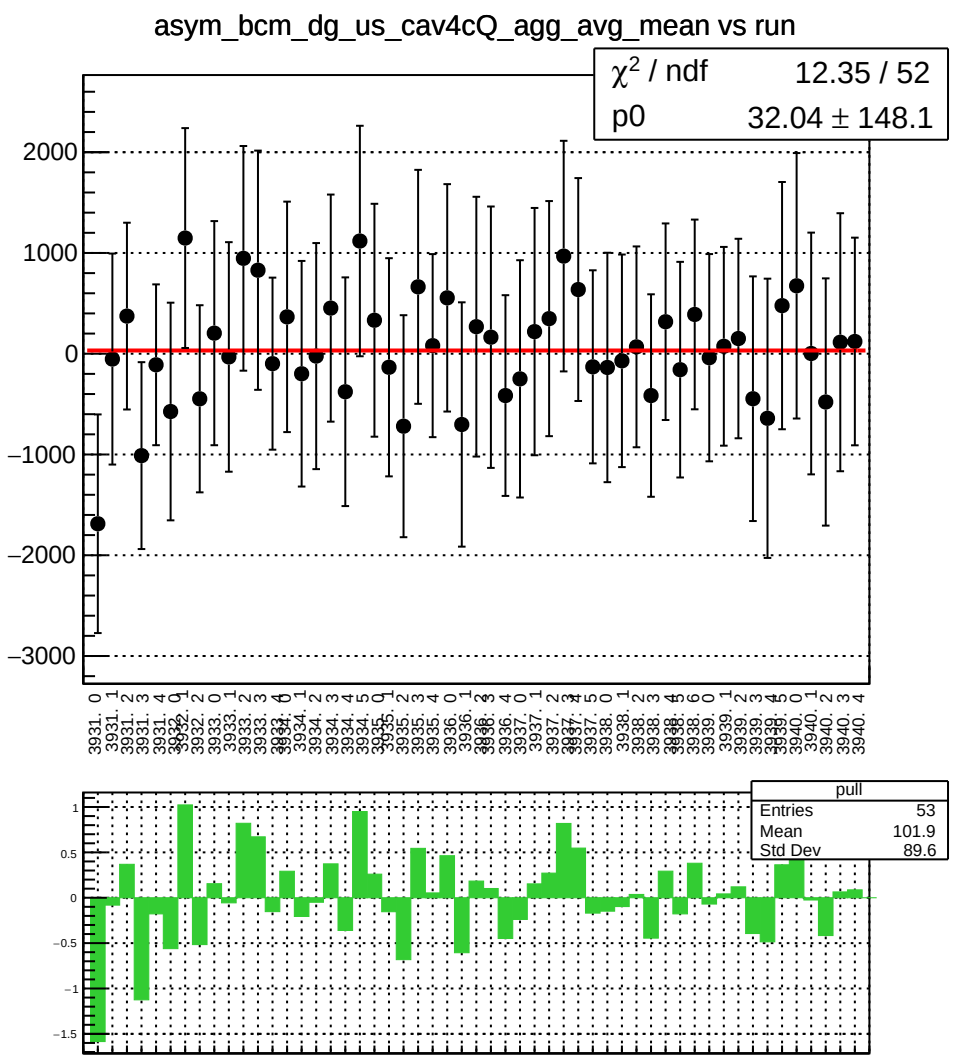

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 8.383 / 52
p0 52.57 ± 149.4
pull
Entries 53
Mean 156.9
Std Dev 136.7

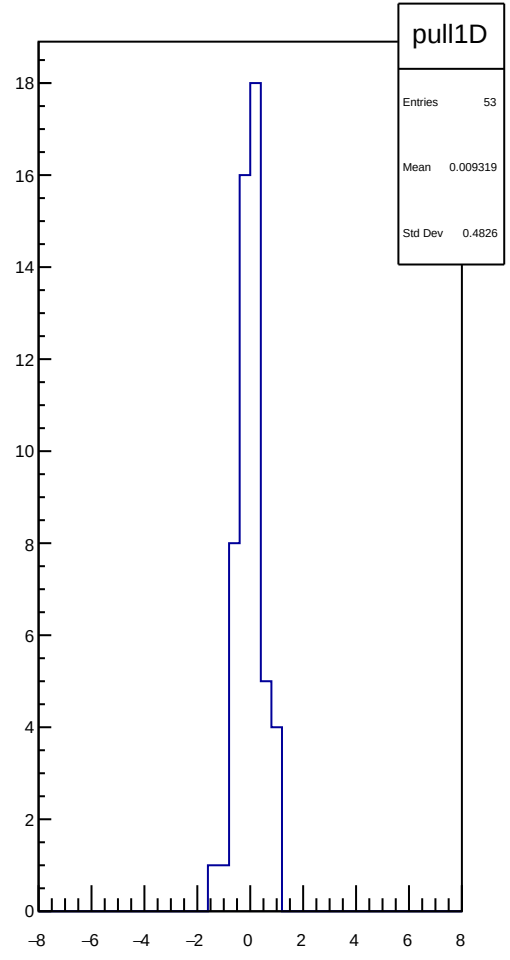

pull1D
Entries 53
Mean 0.009739
Std Dev 0.3976

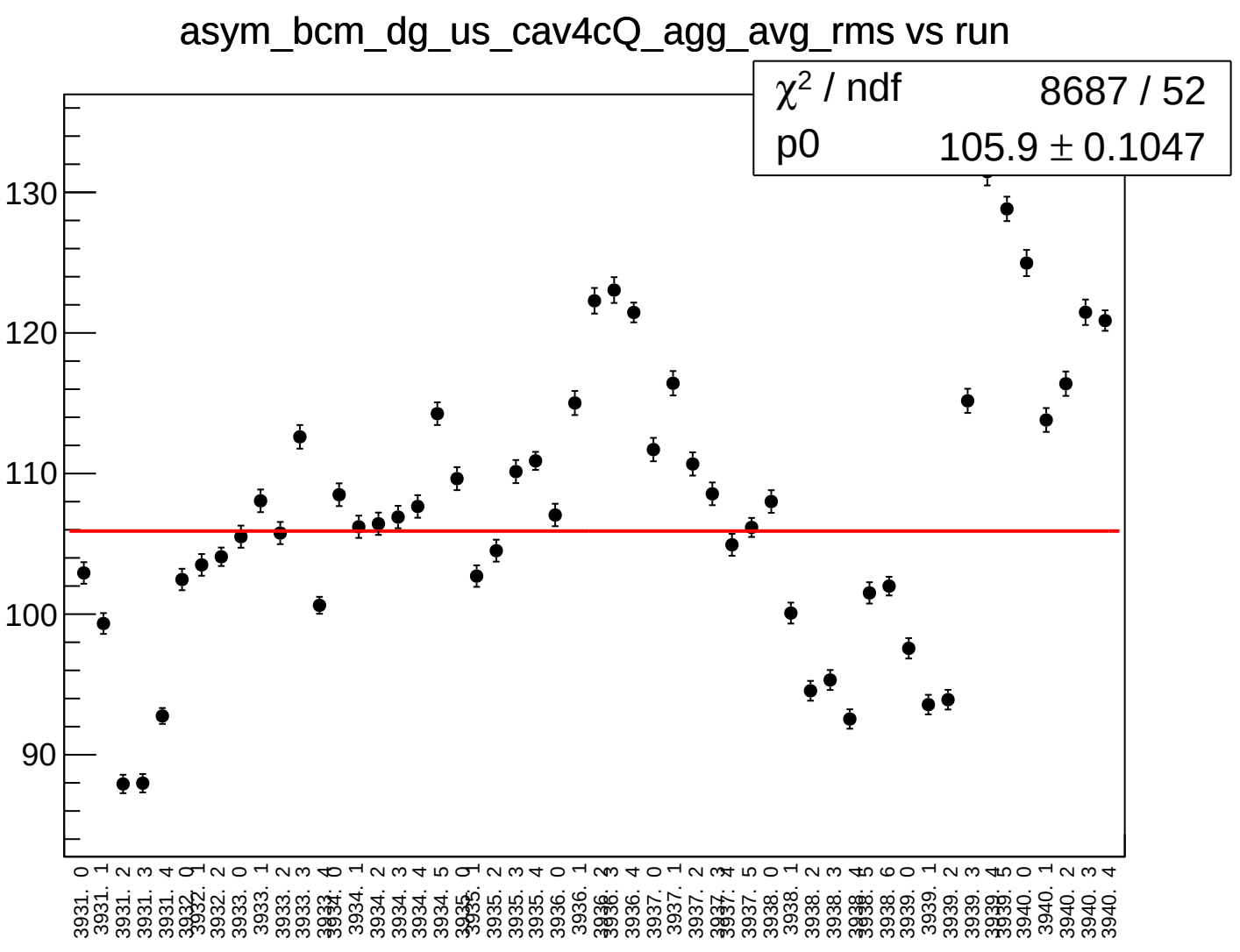

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 9396 / 52
p0 106.8 ± 0.1057
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

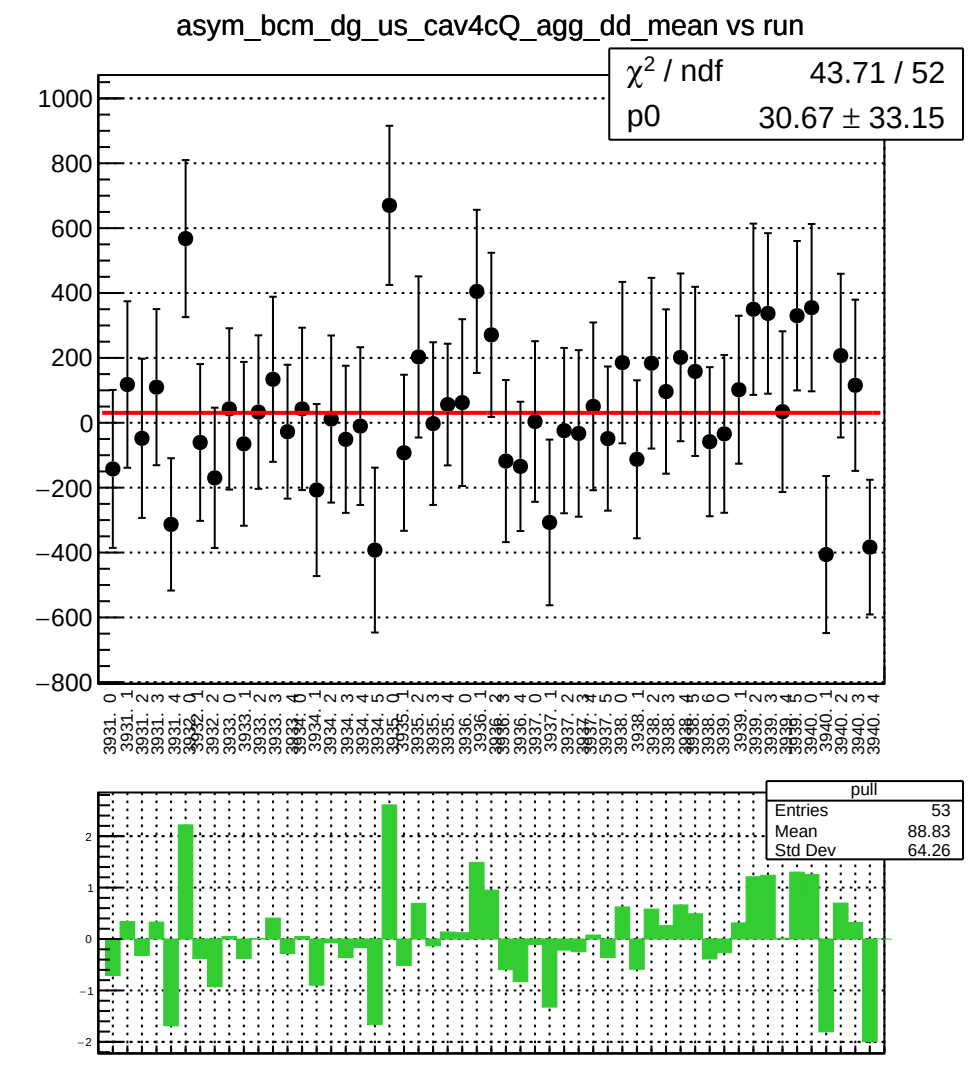

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 42.79 / 52
p0 12.6 ± 27.98
pull
Entries 53
Mean −50.14
Std Dev 89.67
pull1D
Entries 53
Mean 0.01783
Std Dev 0.8984

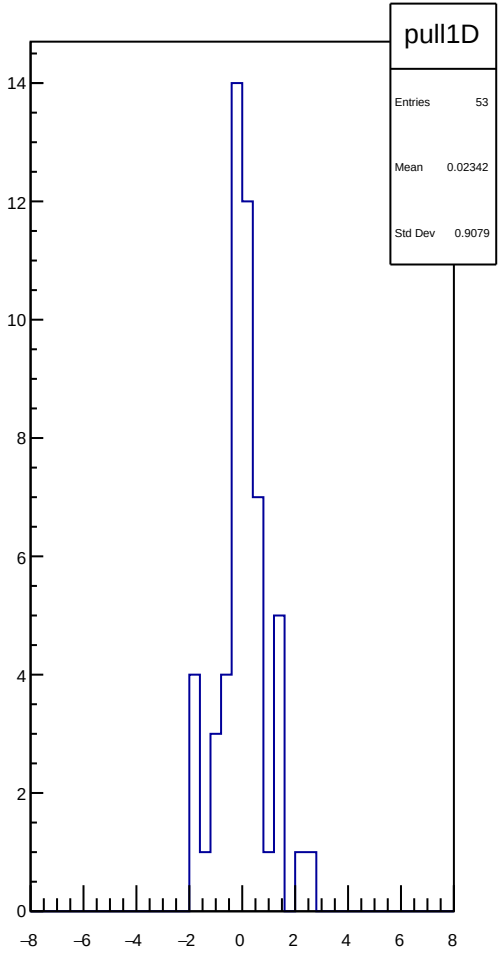

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2403 / 52
p0 20.07 ± 0.01979
22
21
20
19
18
17
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

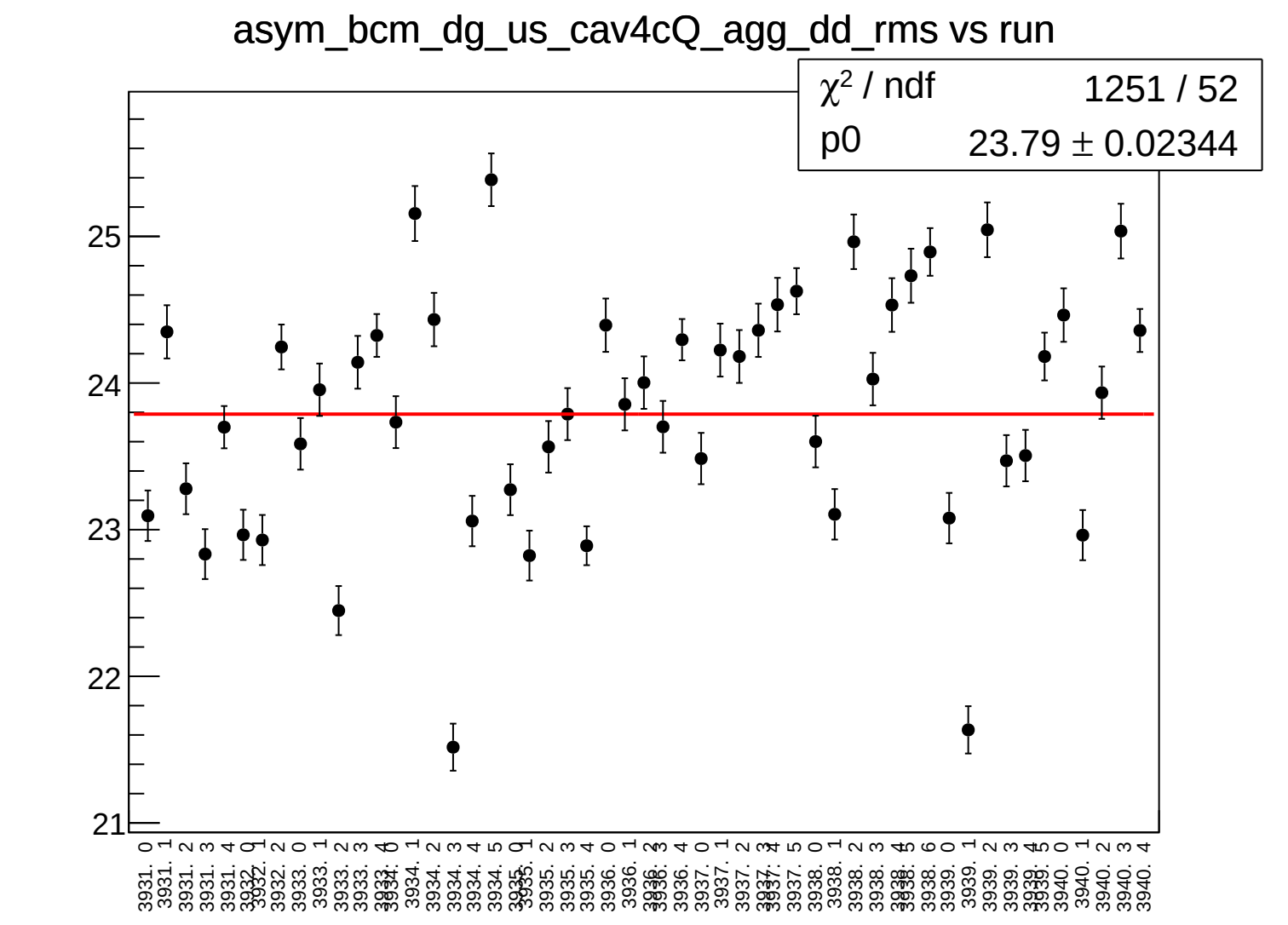

asym_bcm_dg_us_cav4cQ_agg_avg_mean vs run
χ² / ndf 12.35 / 52
p0 32.04 ± 148.1
pull
Entries 53
Mean 101.9
Std Dev 89.6

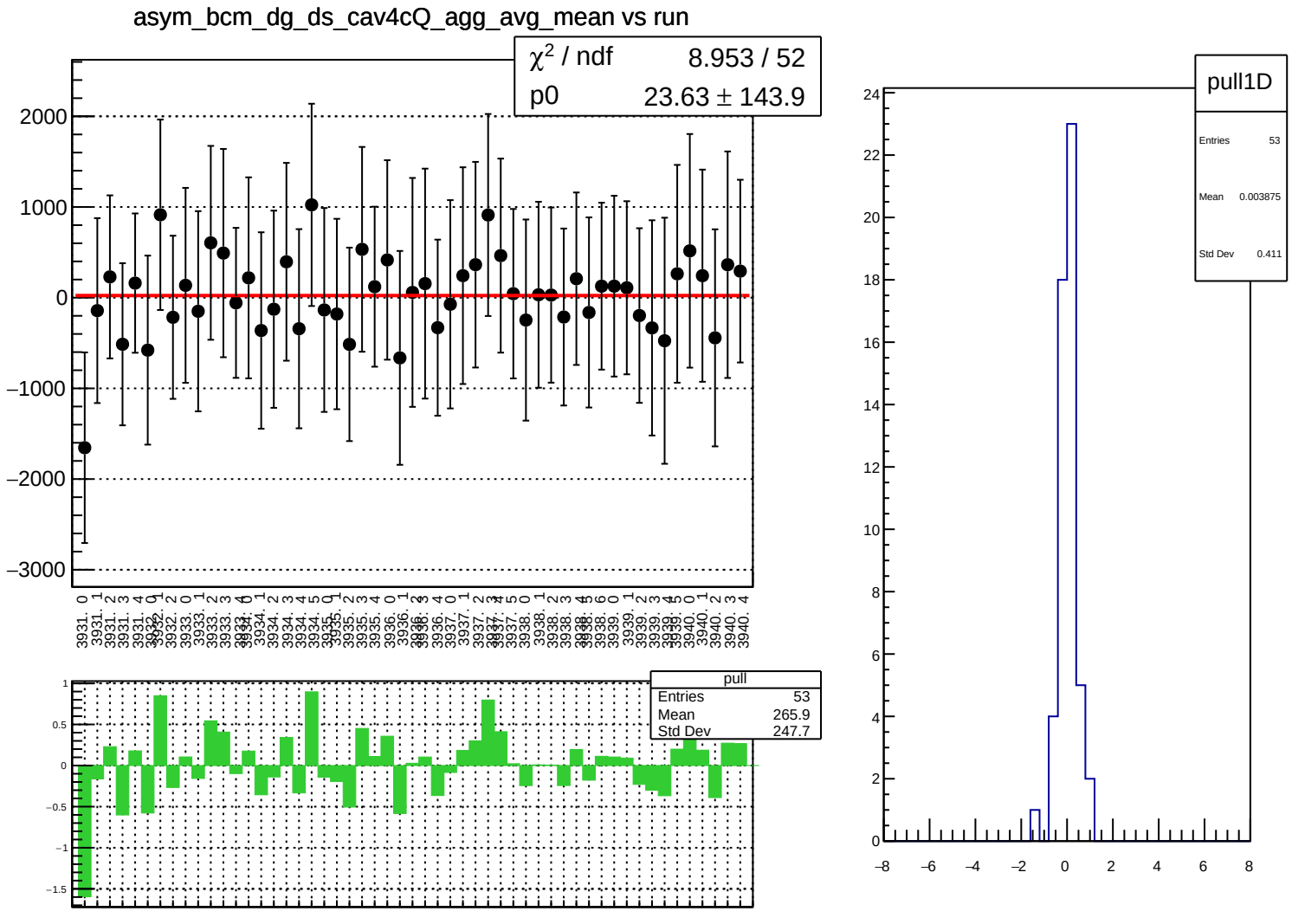

pull1D
Entries 53
Mean 0.009319
Std Dev 0.4826

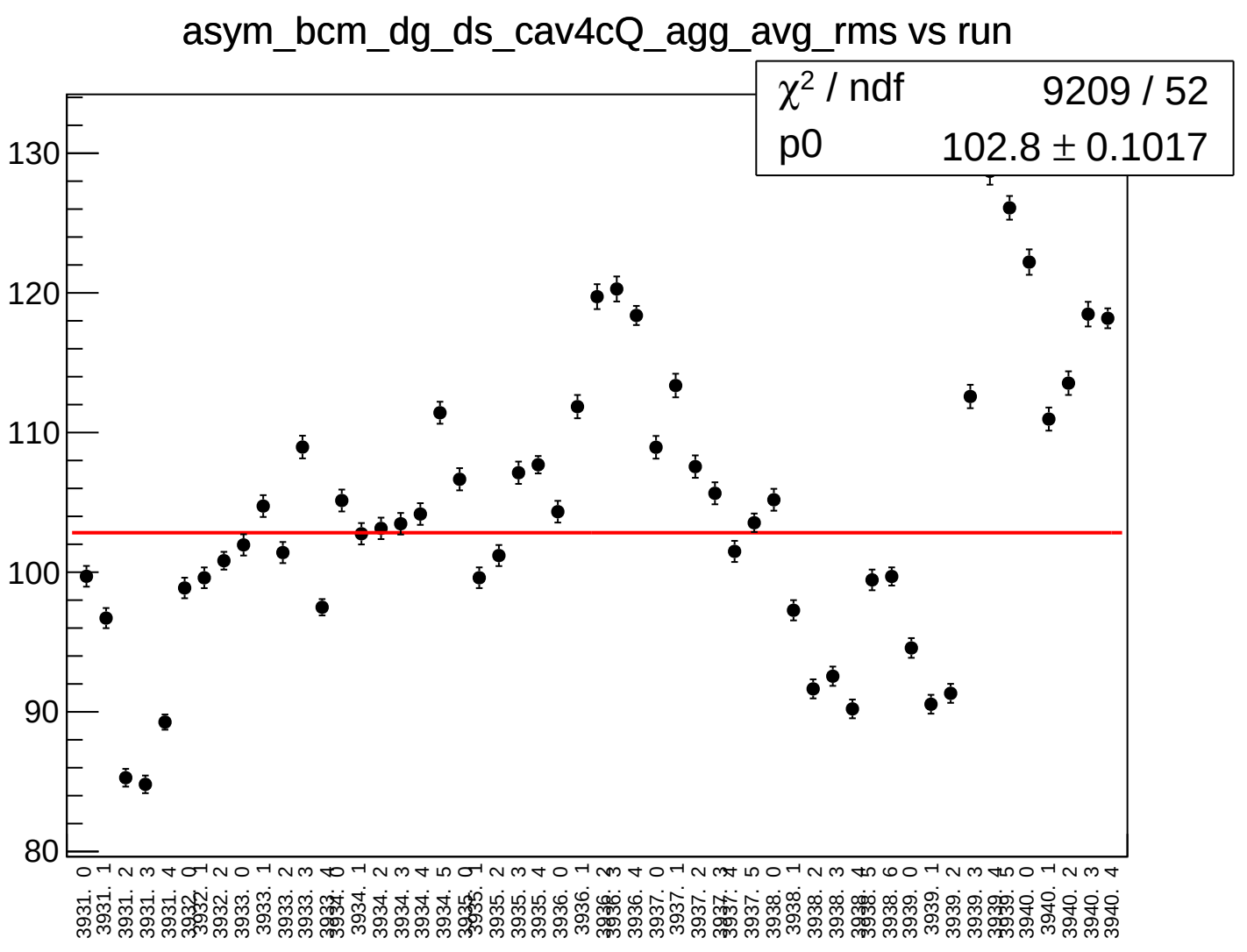

asym_bcm_dg_us_cav4cQ_agg_avg_rms vs run
χ² / ndf 8687 / 52
p0 105.9 ± 0.1047
130
120
110
100
90
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

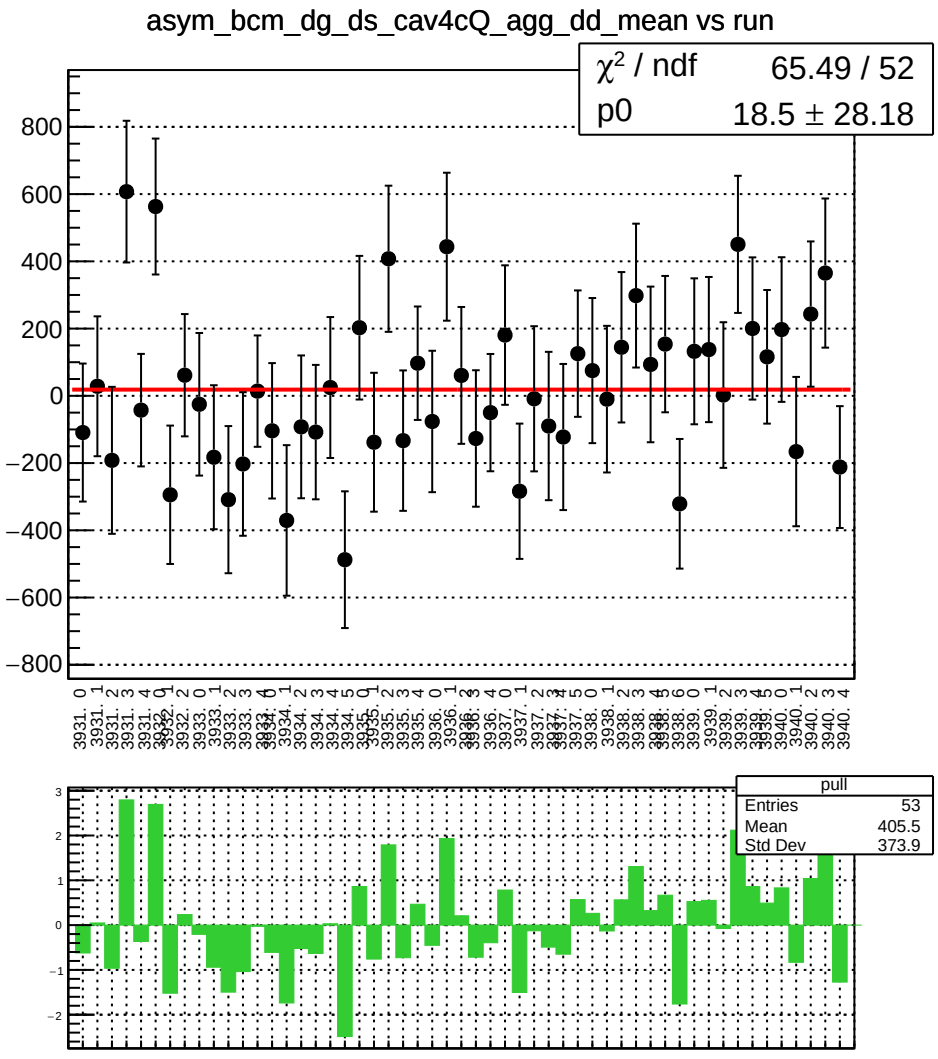

asym_bcm_dg_us_cav4cQ_agg_dd_mean vs run
χ² / ndf 43.71 / 52
p0 30.67 ± 33.15
pull
Entries 53
Mean 88.83
Std Dev 64.26

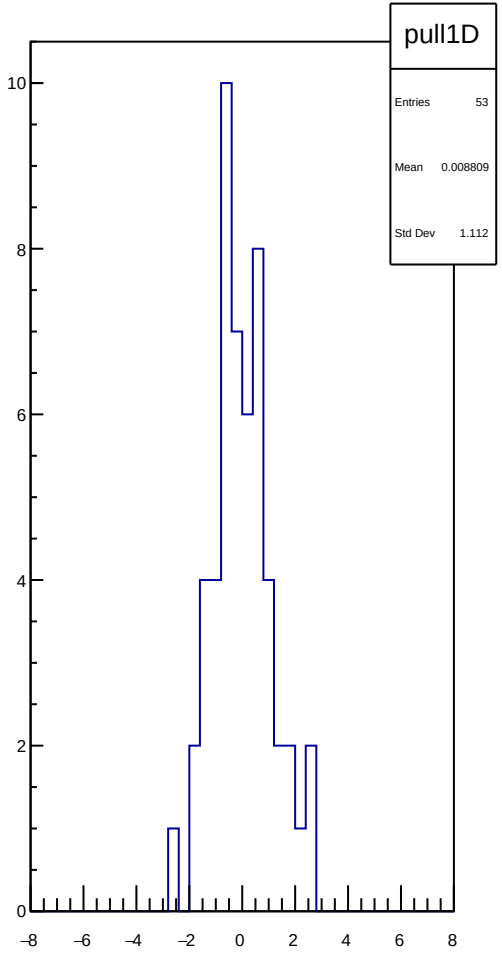

pull1D
Entries 53
Mean 0.02342
Std Dev 0.9079

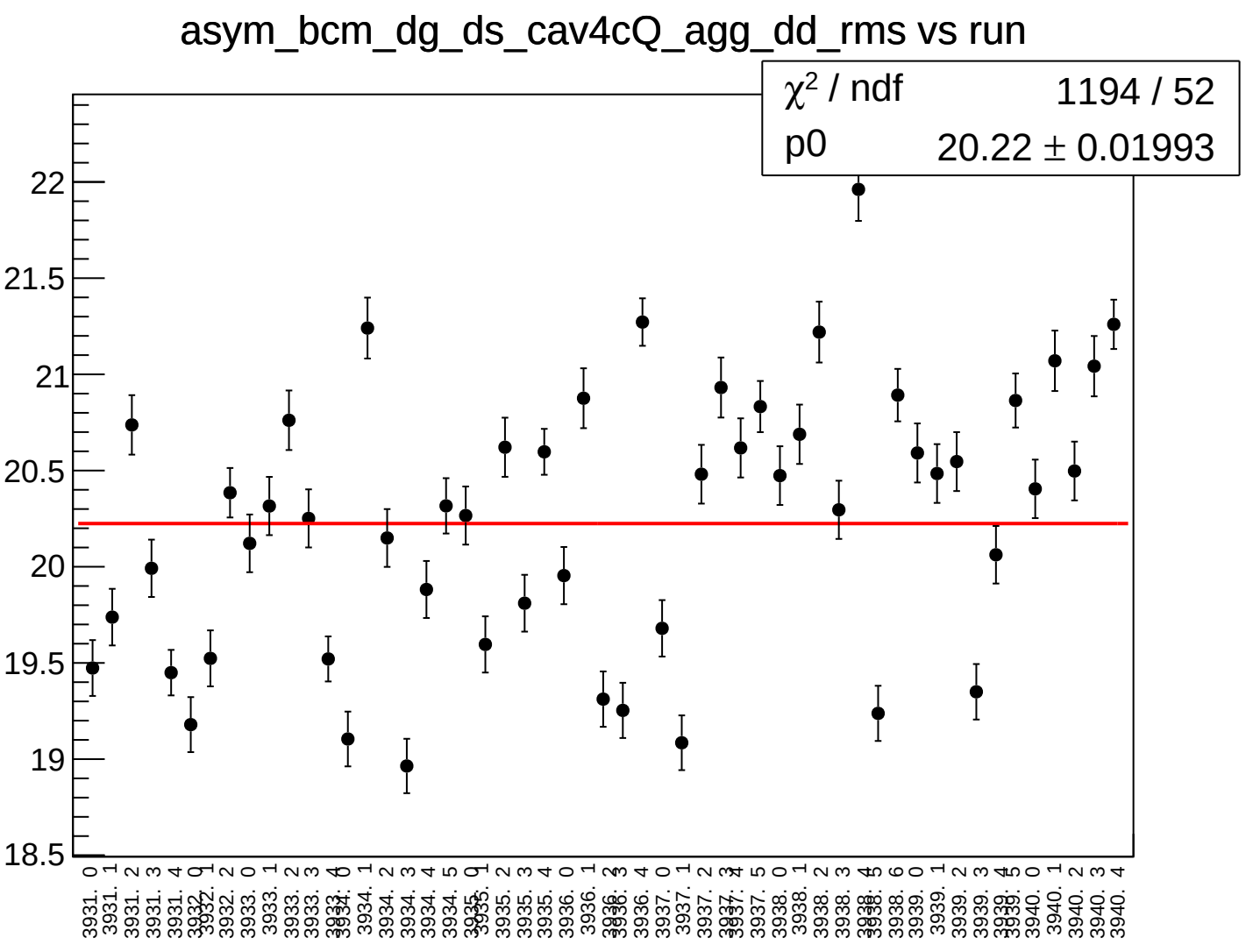

asym_bcm_dg_us_cav4cQ_agg_dd_rms vs run
χ² / ndf 1251 / 52
p0 23.79 ± 0.02344
25
24
23
22
21

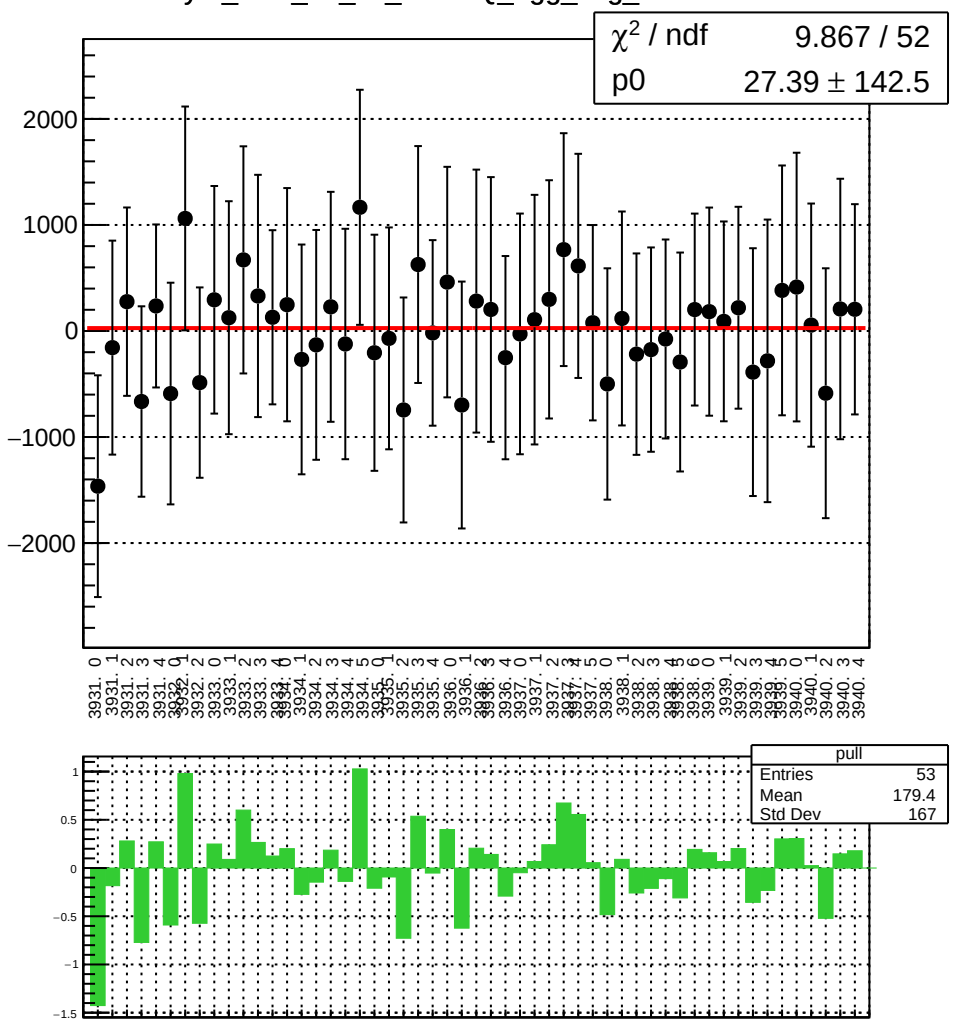

asym_bcm_dg_ds_cav4cQ_agg_avg_mean vs run
χ² / ndf 8.953 / 52
p0 23.63 ± 143.9
pull
Entries 53
Mean 265.9
Std Dev 247.7
pull1D
Entries 53
Mean 0.003875
Std Dev 0.411

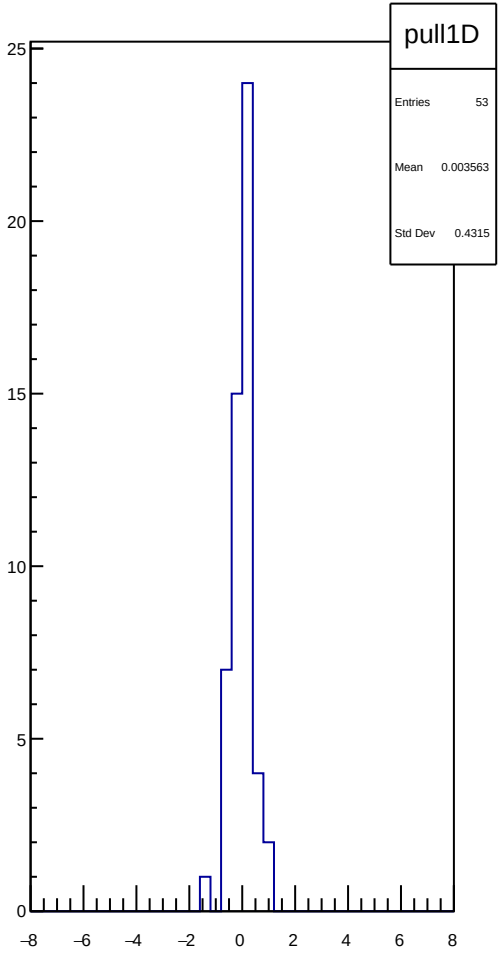

asym_bcm_dg_ds_cav4cQ_agg_avg_rms vs run
χ² / ndf 9209 / 52
p0 102.8 ± 0.1017
130
120
110
100
90
80

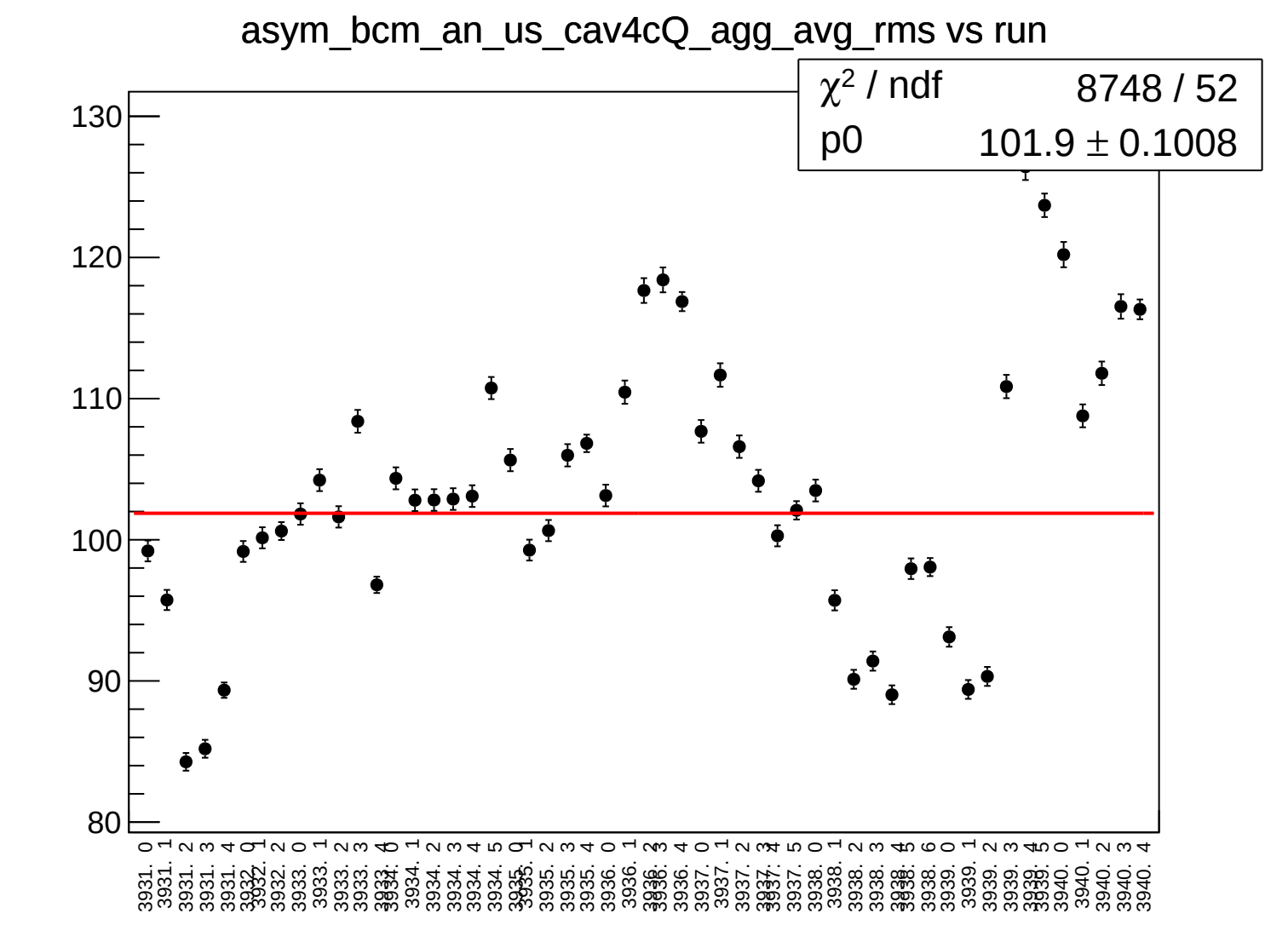

asym_bcm_dg_ds_cav4cQ_agg_dd_mean vs run
χ² / ndf 65.49 / 52
p0 18.5 ± 28.18
pull
Entries 53
Mean 405.5
Std Dev 373.9

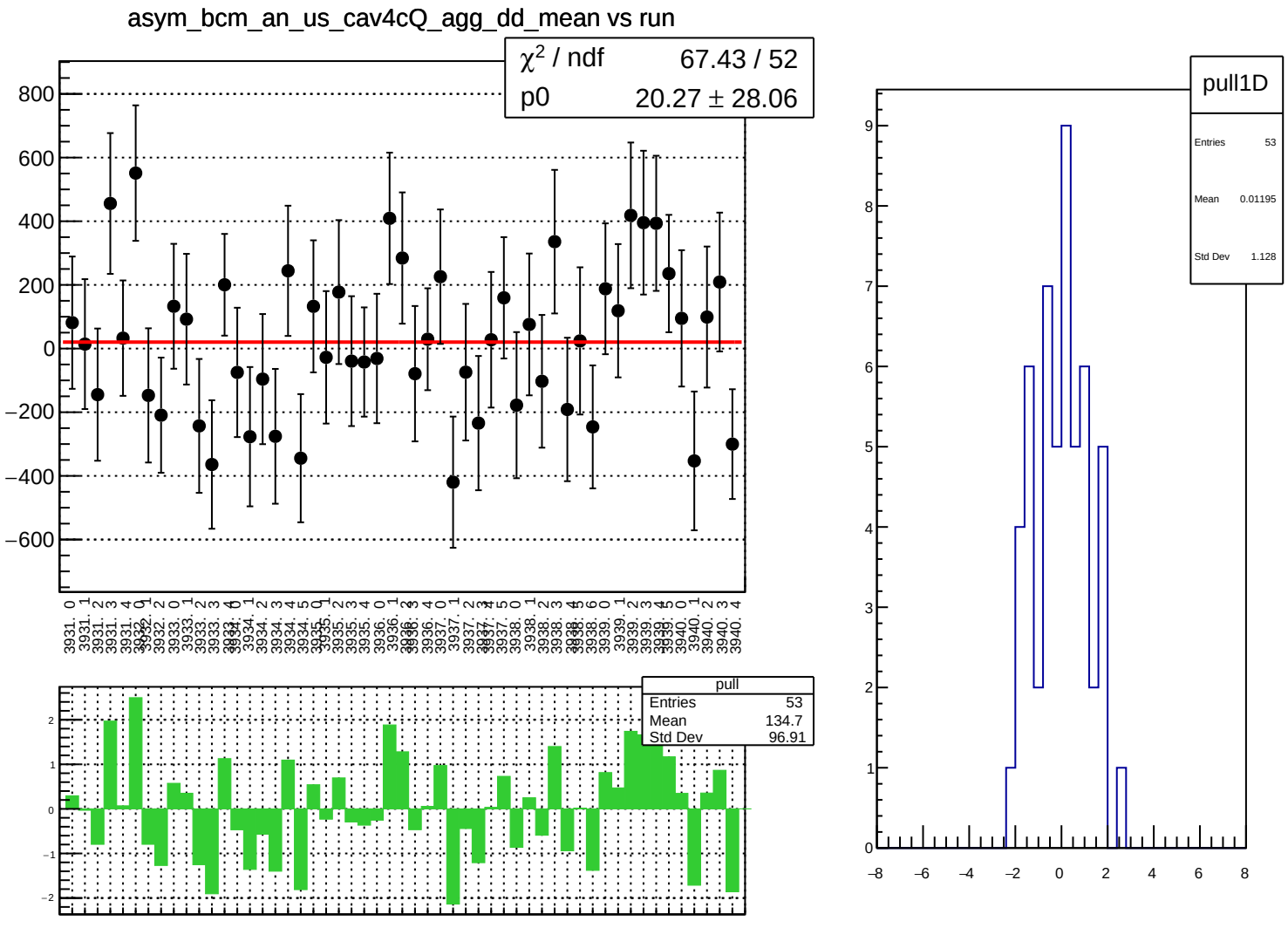

pull1D
Entries 53
Mean 0.008809
Std Dev 1.112

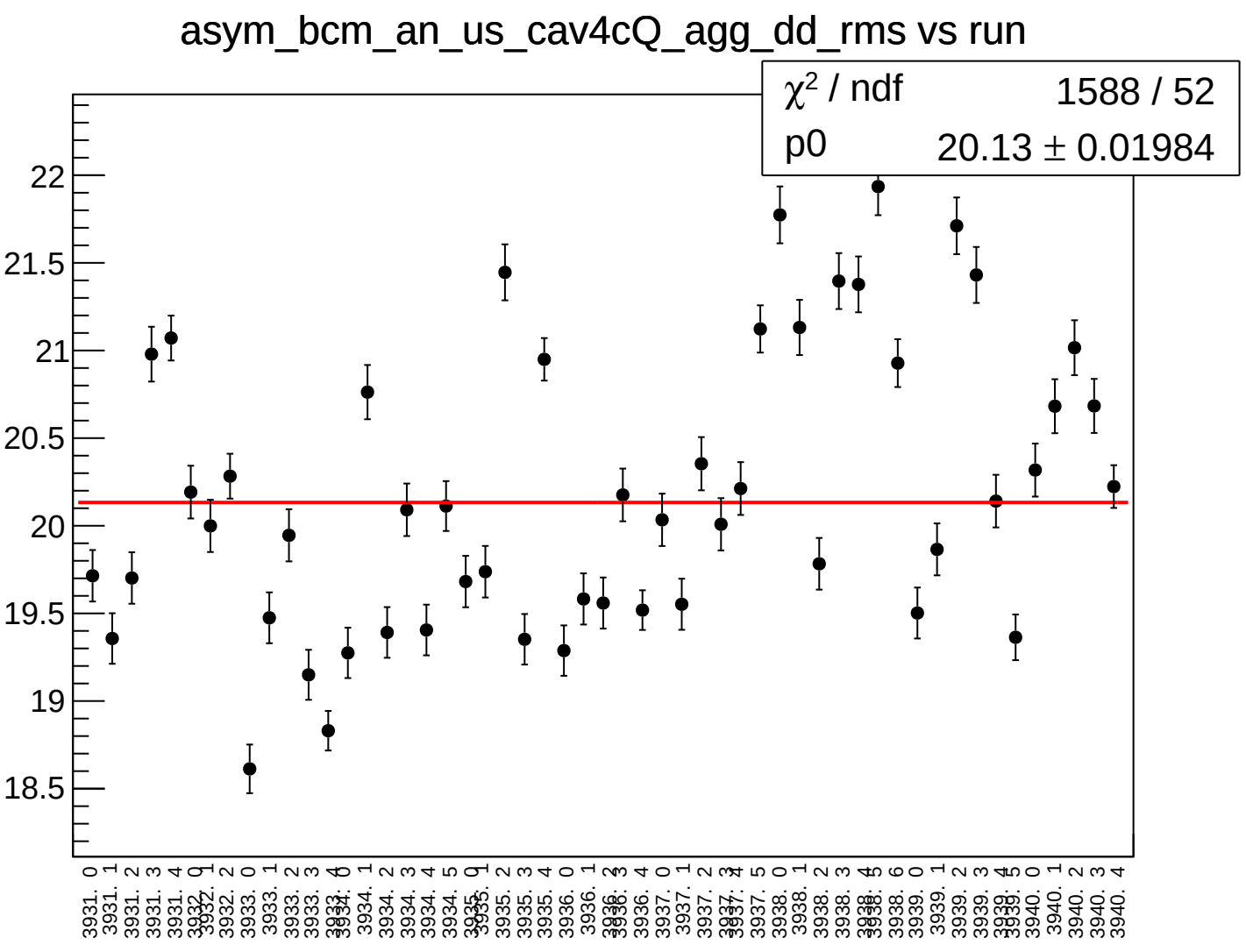

asym_bcm_dg_ds_cav4cQ_agg_dd_rms vs run
χ² / ndf 1194 / 52
p0 20.22 ± 0.01993
22
21.5
21
20.5
20
19.5
19
18.5
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

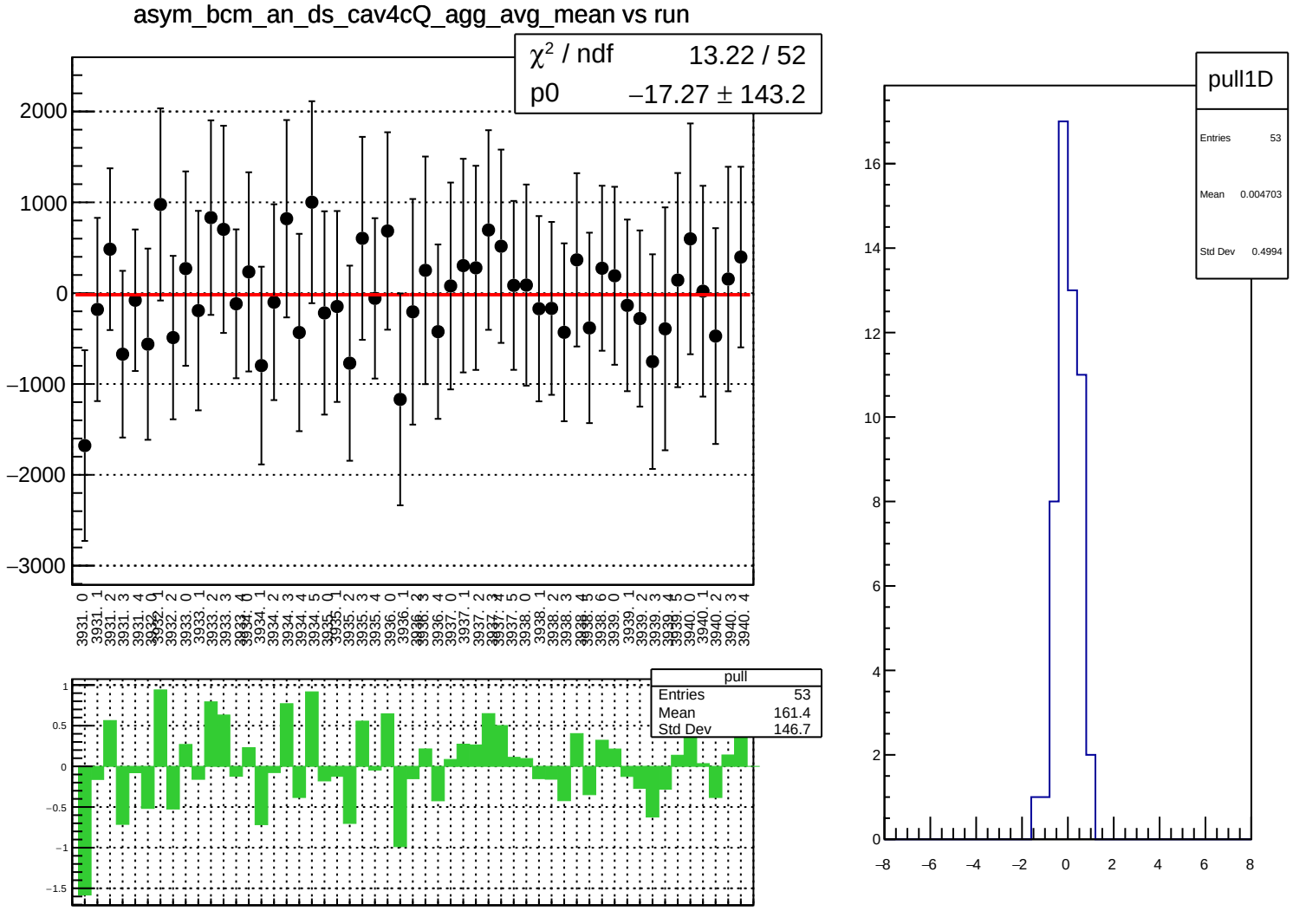

asym_bcm_an_us_cav4cQ_agg_avg_mean vs run
χ² / ndf 9.867 / 52
p0 27.39 ± 142.5
pull
Entries 53
Mean 179.4
Std Dev 167

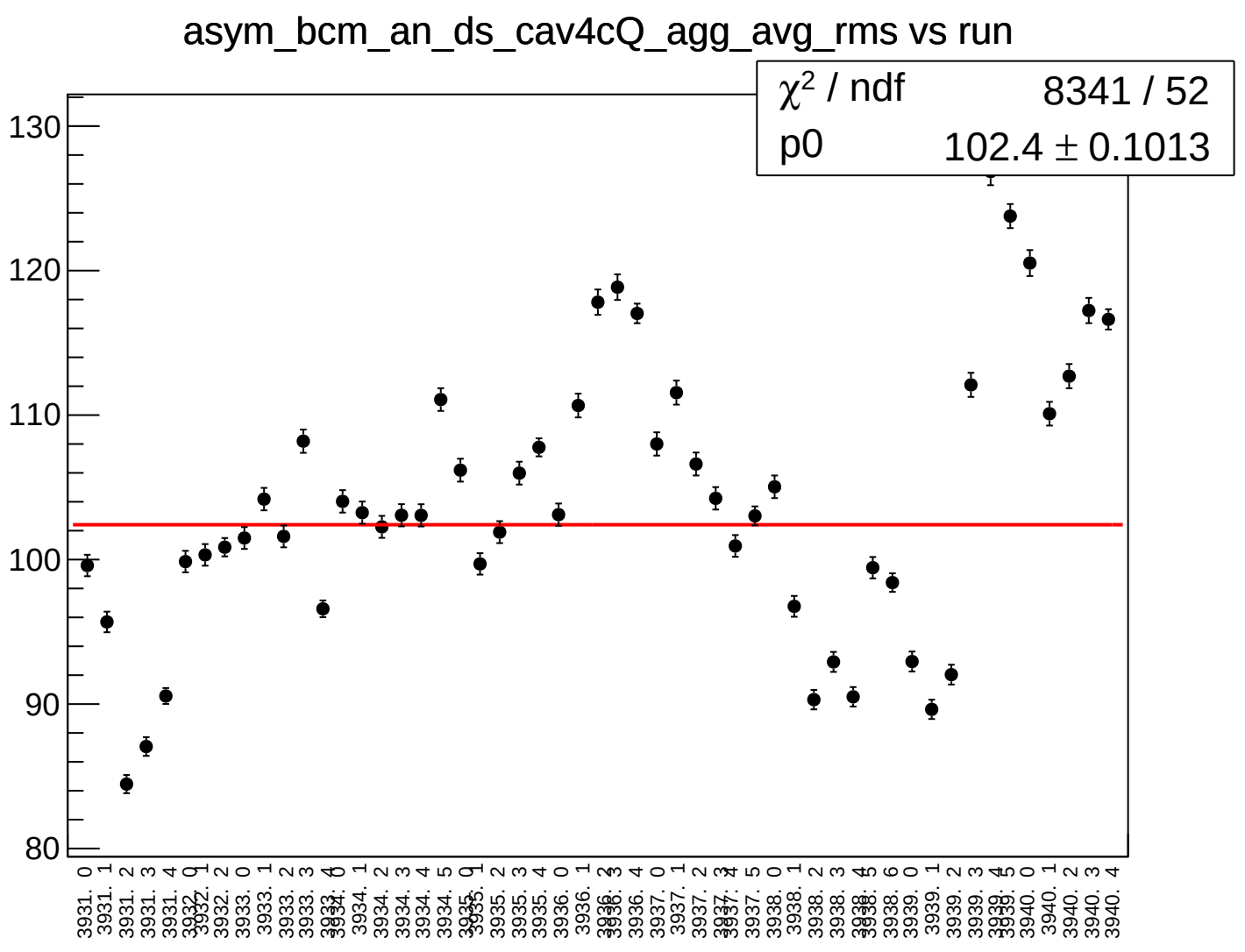

pull1D
Entries 53
Mean 0.003563
Std Dev 0.4315

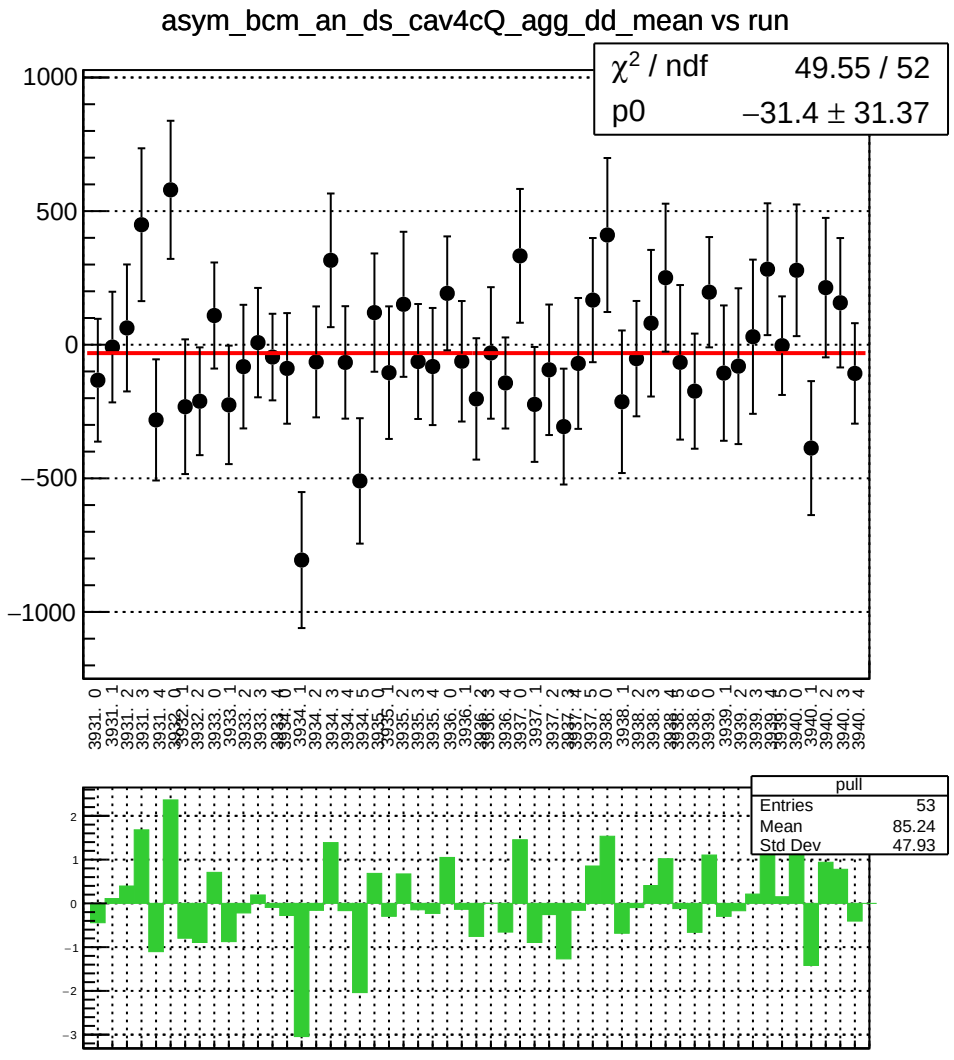

asym_bcm_an_us_cav4cQ_agg_avg_rms vs run
χ² / ndf 8748 / 52
p0 101.9 ± 0.1008
130
120
110
100
90
80

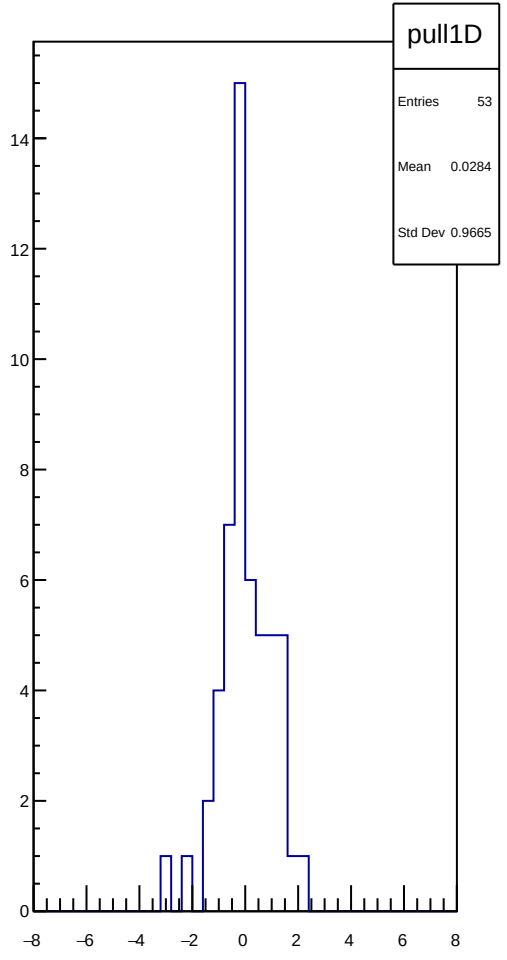

asym_bcm_an_us_cav4cQ_agg_dd_mean vs run
χ² / ndf 67.43 / 52
p0 20.27 ± 28.06
pull
Entries 53
Mean 134.7
Std Dev 96.91
pull1D
Entries 53
Mean 0.01195
Std Dev 1.128

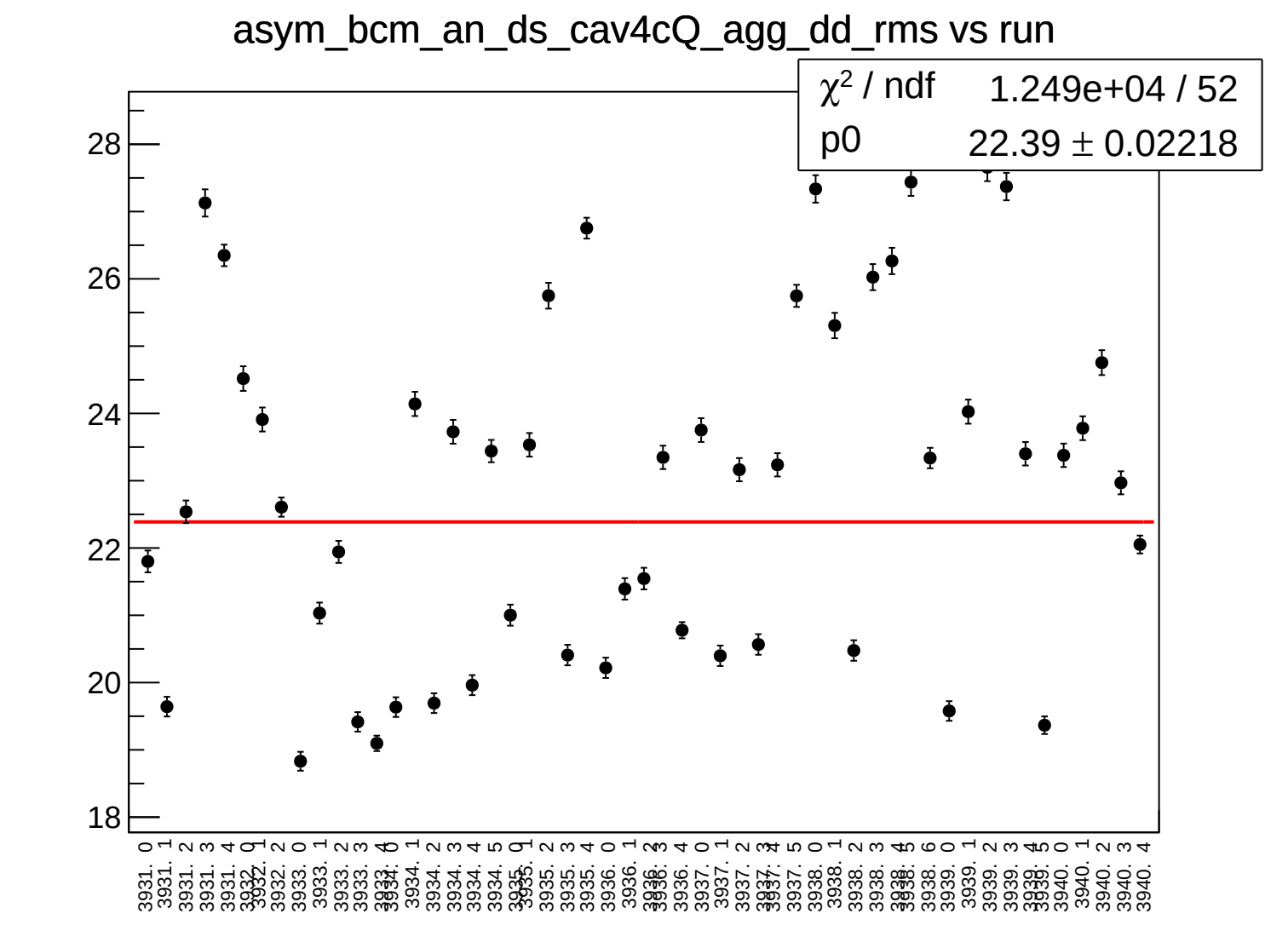

asym_bcm_an_us_cav4cQ_agg_dd_rms vs run
χ² / ndf 1588 / 52
p0 20.13 ± 0.01984
22
21.5
21
20.5
20
19.5
19
18.5
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

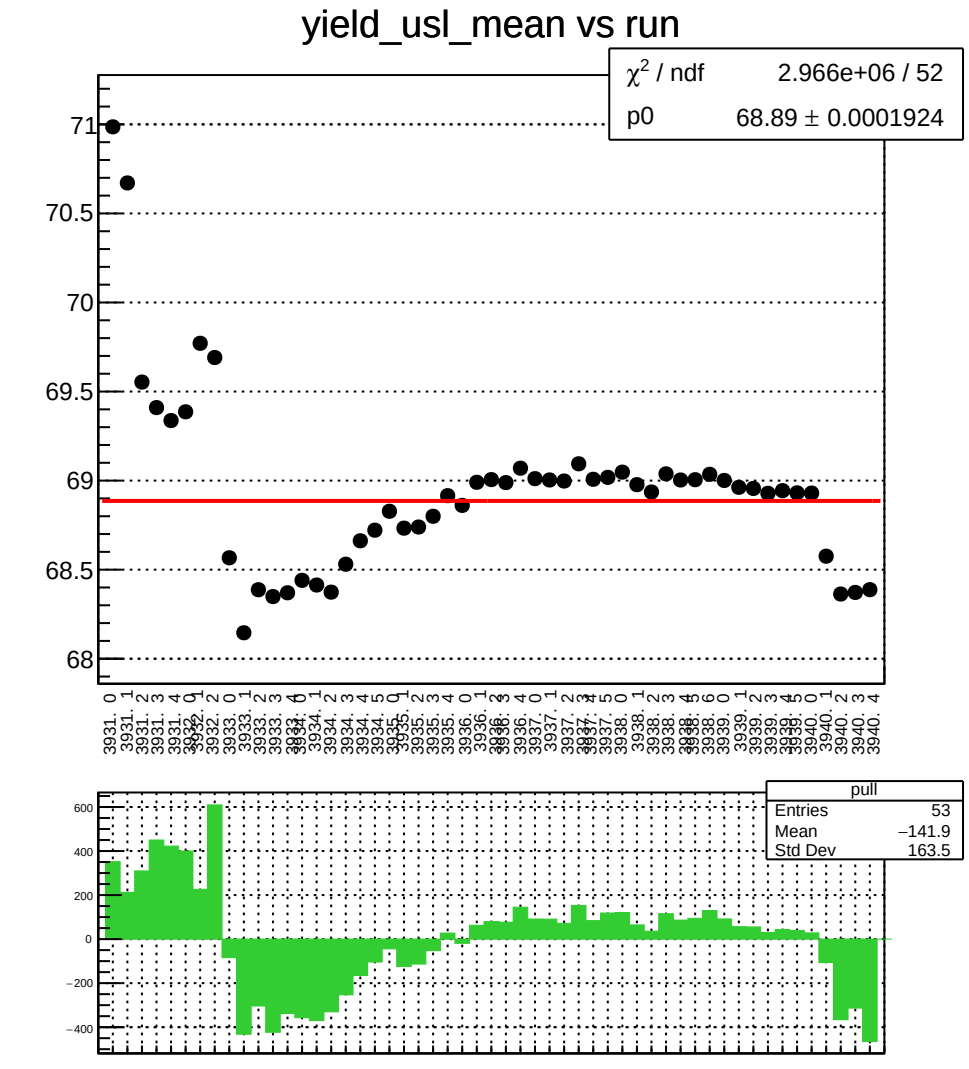

asym_bcm_an_ds_cav4cQ_agg_avg_mean vs run
χ² / ndf 13.22 / 52
p0 −17.27 ± 143.2
pull
Entries 53
Mean 161.4
Std Dev 146.7
pull1D
Entries 53
Mean 0.004703
Std Dev 0.4994

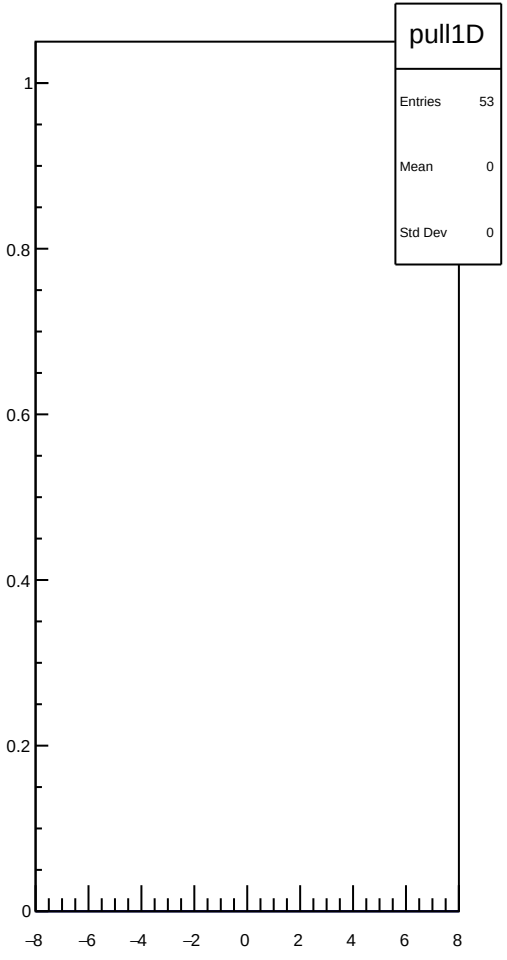

asym_bcm_an_ds_cav4cQ_agg_avg_rms vs run
χ² / ndf 8341 / 52
p0 102.4 ± 0.1013
130
120
110
100
90
80

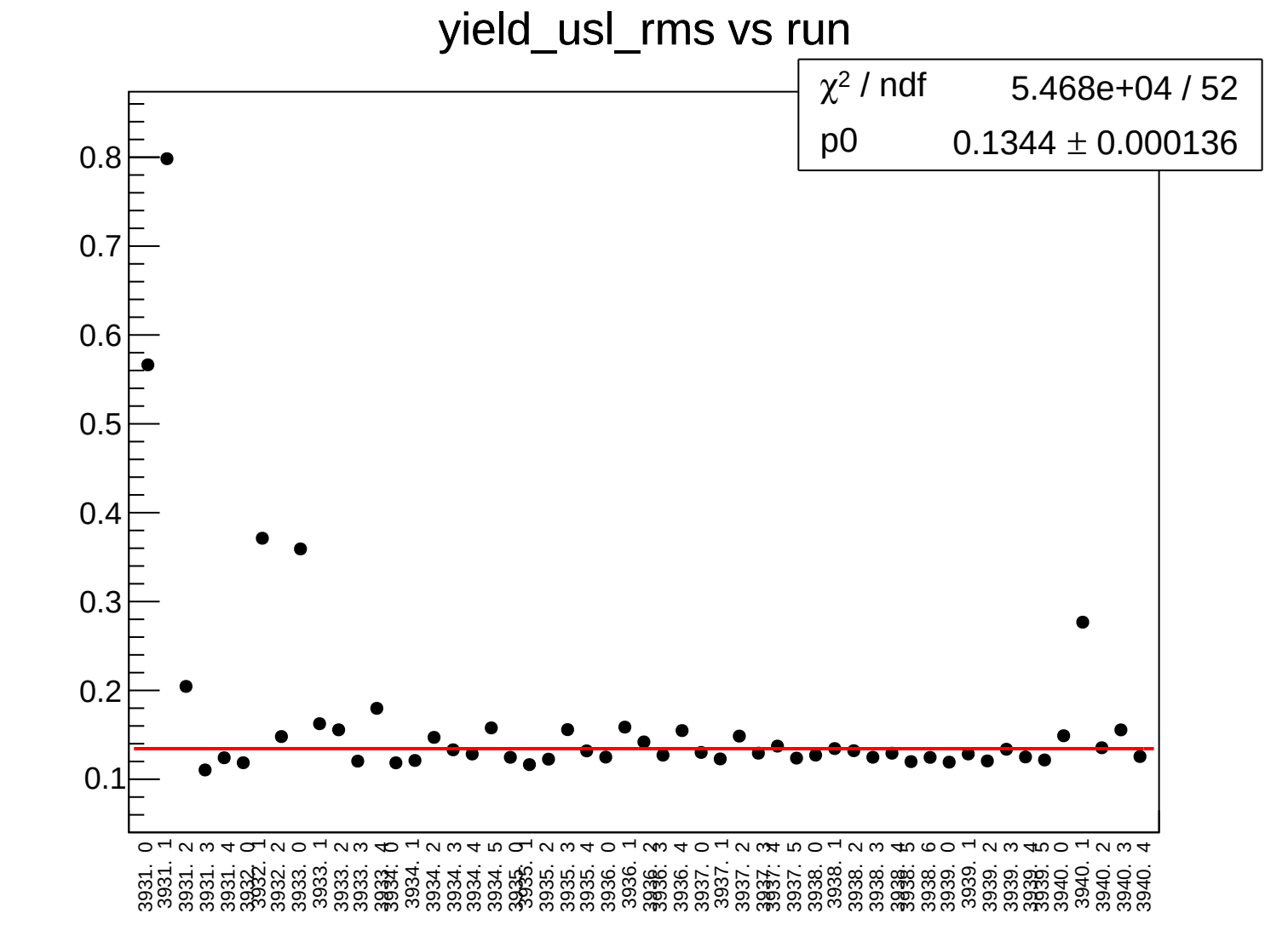

asym_bcm_an_ds_cav4cQ_agg_dd_mean vs run
χ² / ndf 49.55 / 52
p0 −31.4 ± 31.37
pull
Entries 53
Mean 85.24
Std Dev 47.93

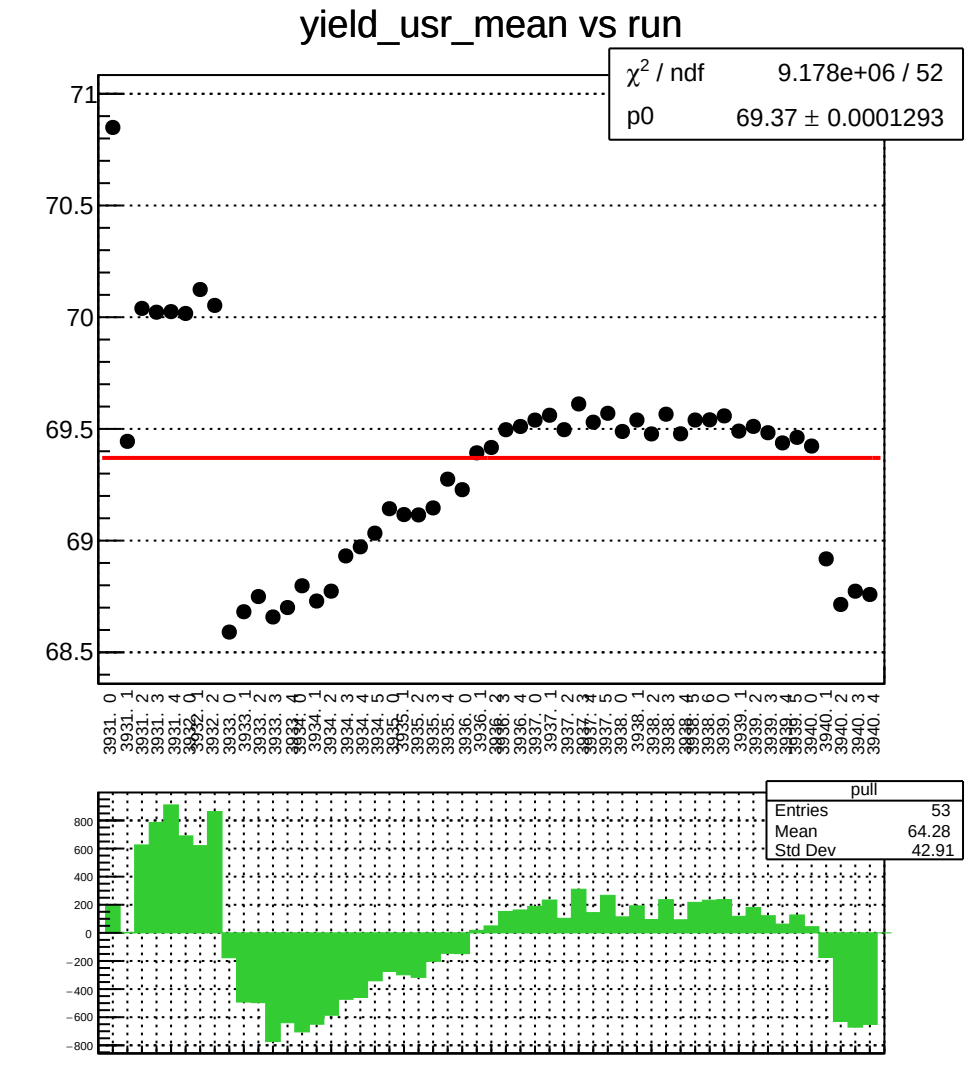

pull1D
Entries 53
Mean 0.0284
Std Dev 0.9665

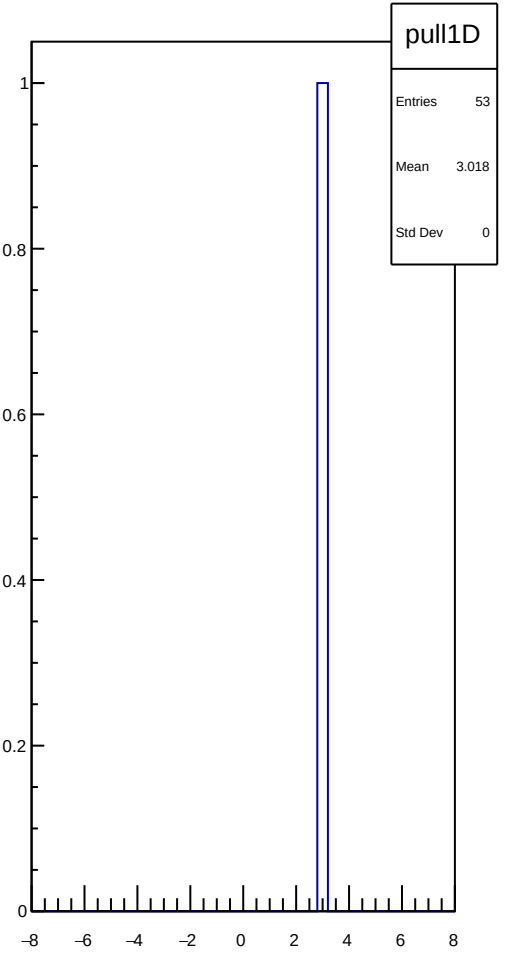

asym_bcm_an_ds_cav4cQ_agg_dd_rms vs run
χ² / ndf 1.249e+04 / 52
p0 22.39 ± 0.02218
28
26
24
22
20
18

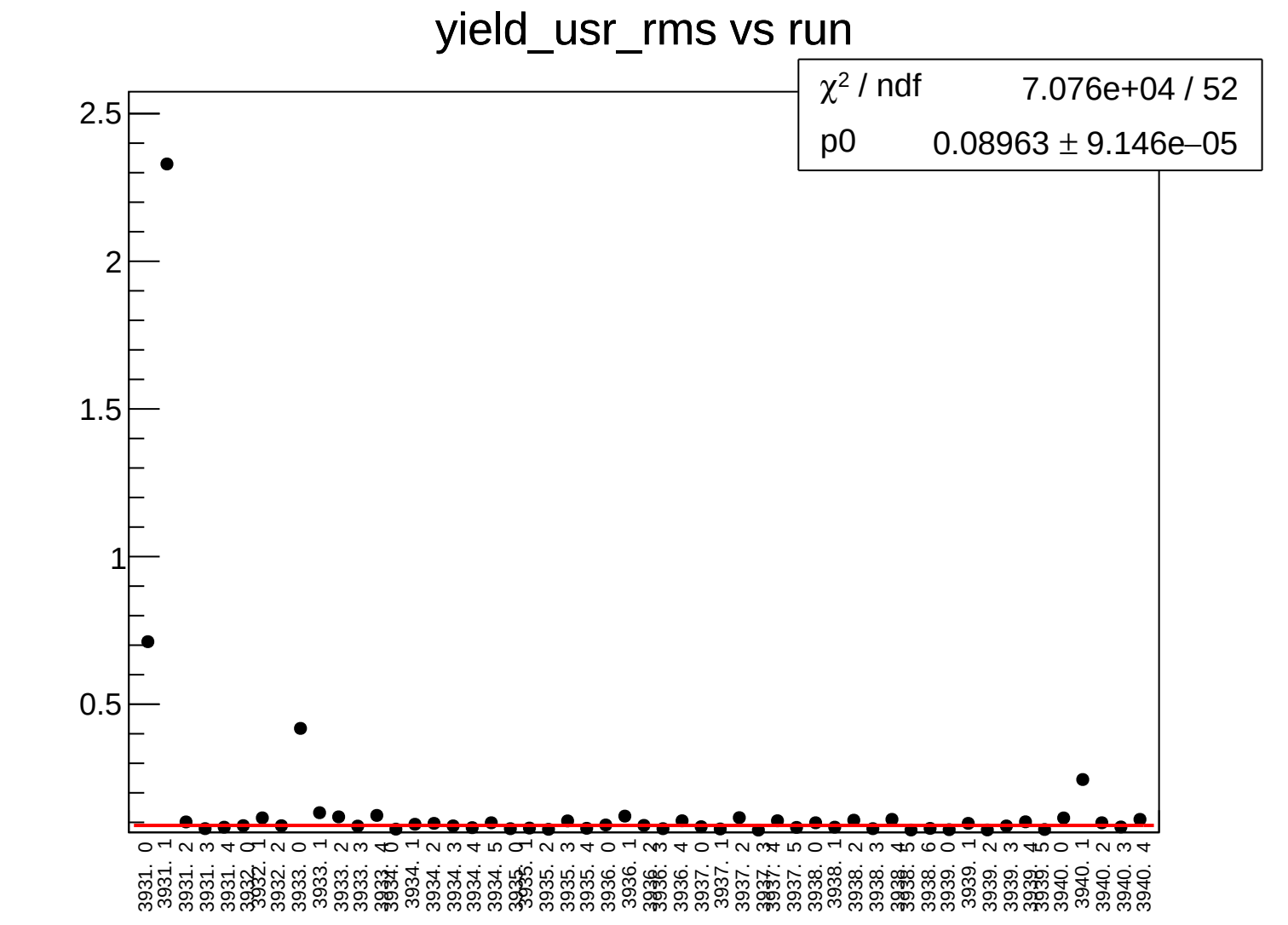

yield_usl_mean vs run
χ² / ndf 2.966e+06 / 52
p0 68.89 ± 0.0001924
71
70.5
70
69.5
69
68.5
68
pull
Entries 53
Mean −141.9
Std Dev 163.5
600
400
200
0
−200
−400

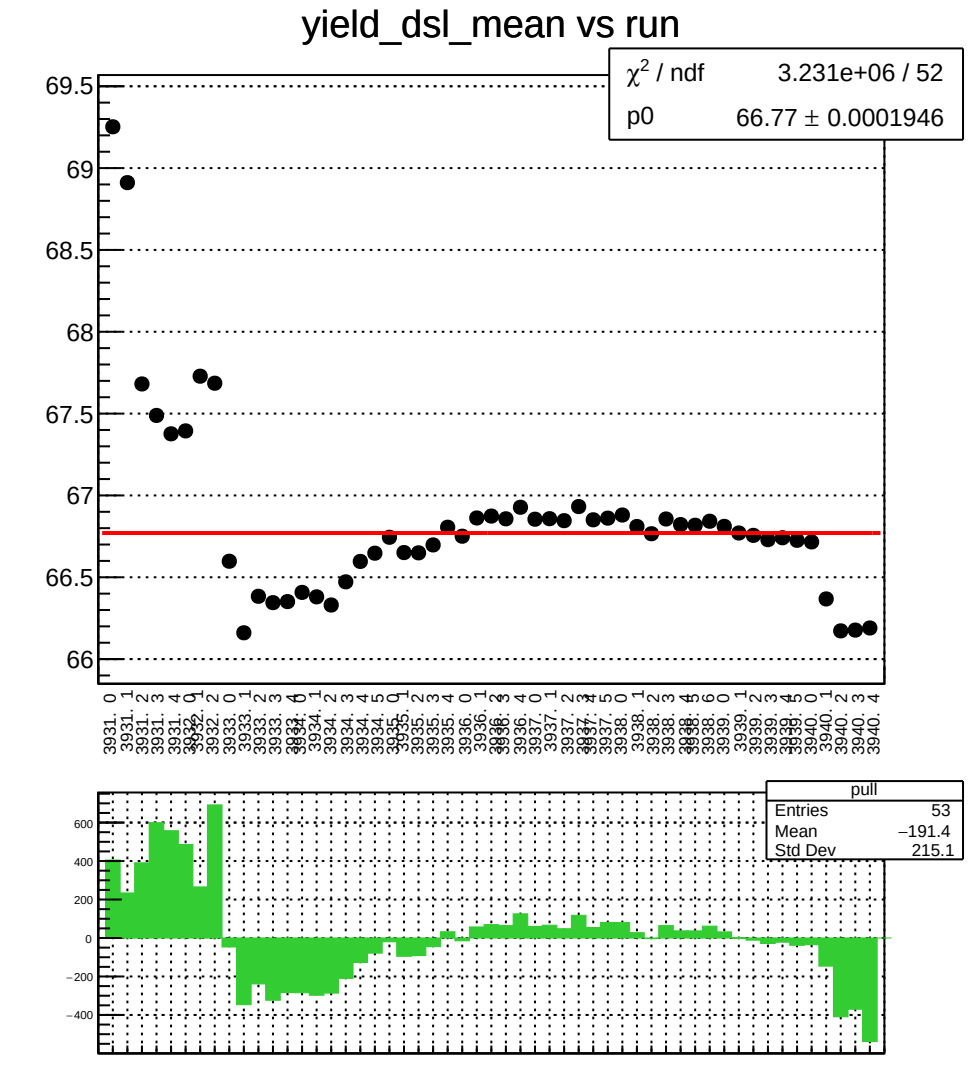

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

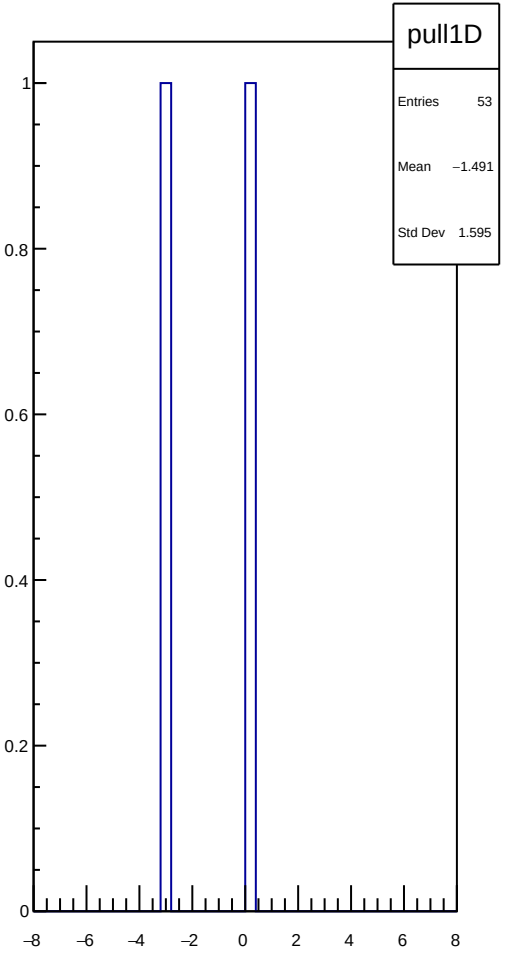

yield_usl_rms vs run
χ² / ndf 5.468e+04 / 52
p0 0.1344 ± 0.000136
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

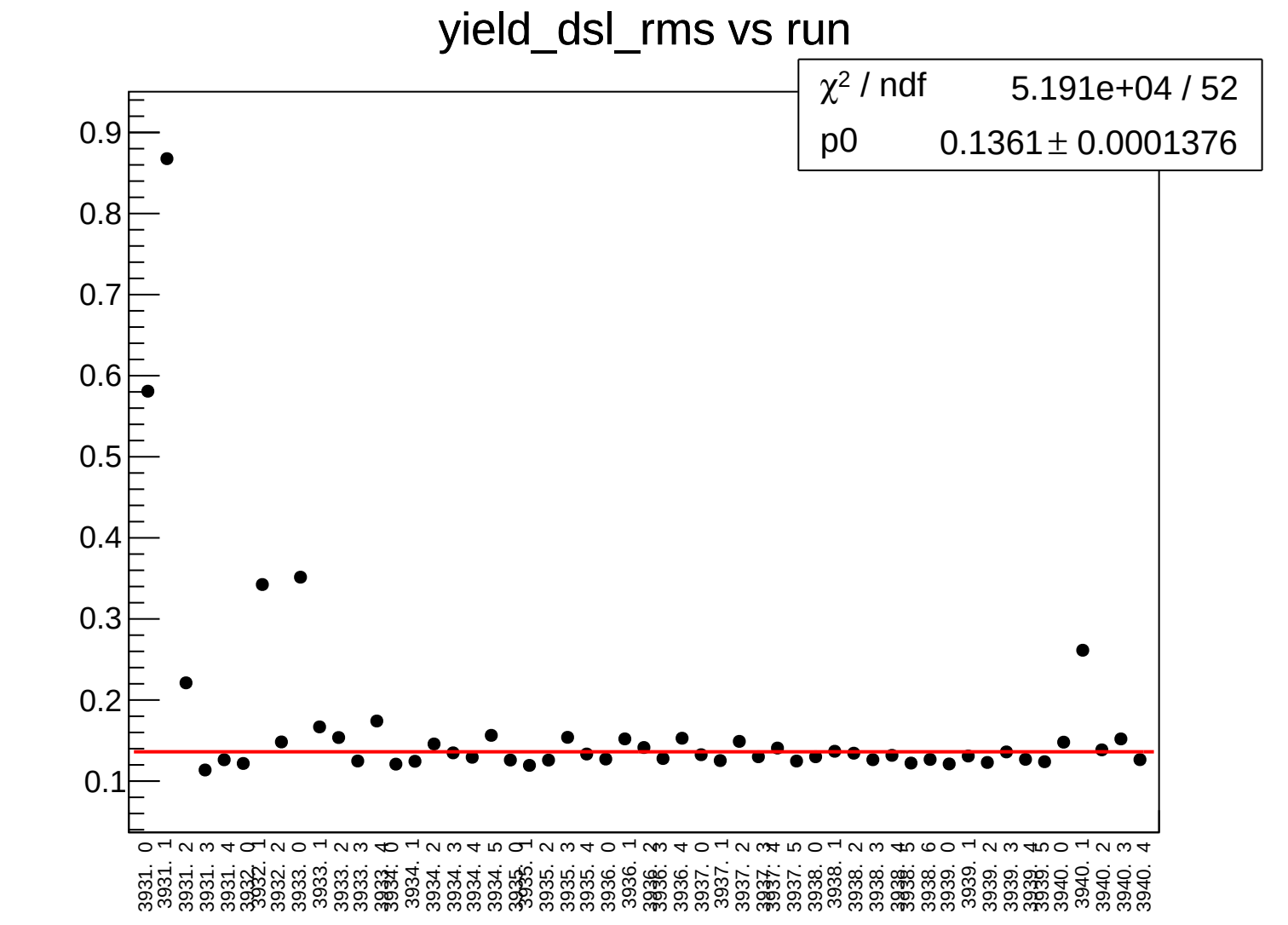

yield_usr_mean vs run
χ² / ndf 9.178e+06 / 52
p0 69.37 ± 0.0001293
pull
Entries 53
Mean 64.28
Std Dev 42.91

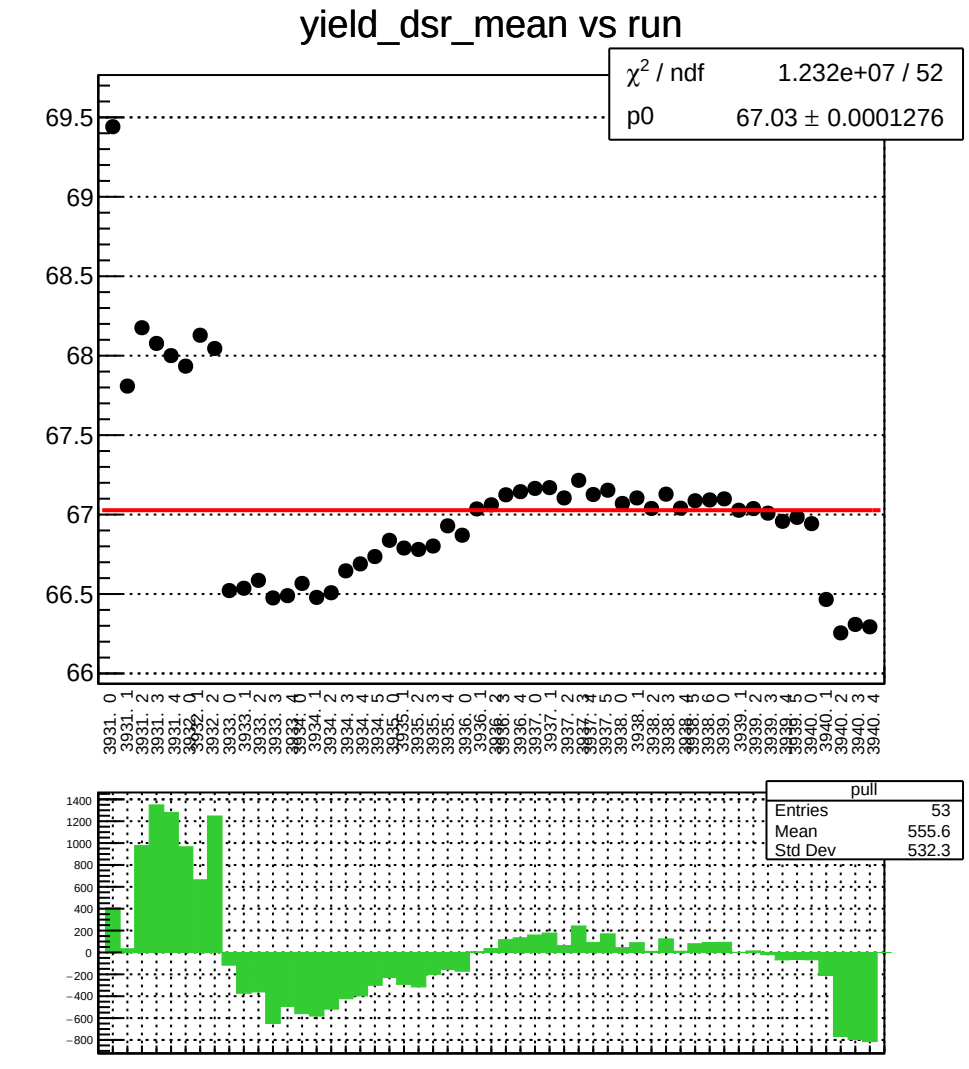

pull1D
Entries 53
Mean 3.018
Std Dev 0

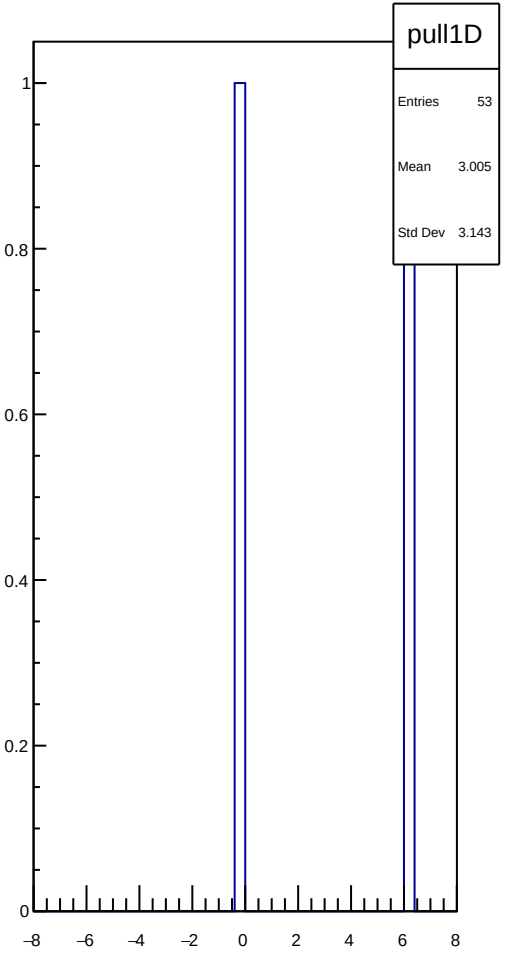

yield_usr_rms vs run
χ² / ndf 7.076e+04 / 52
p0 0.08963 ± 9.146e−05
2.5
2
1.5
1
0.5
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

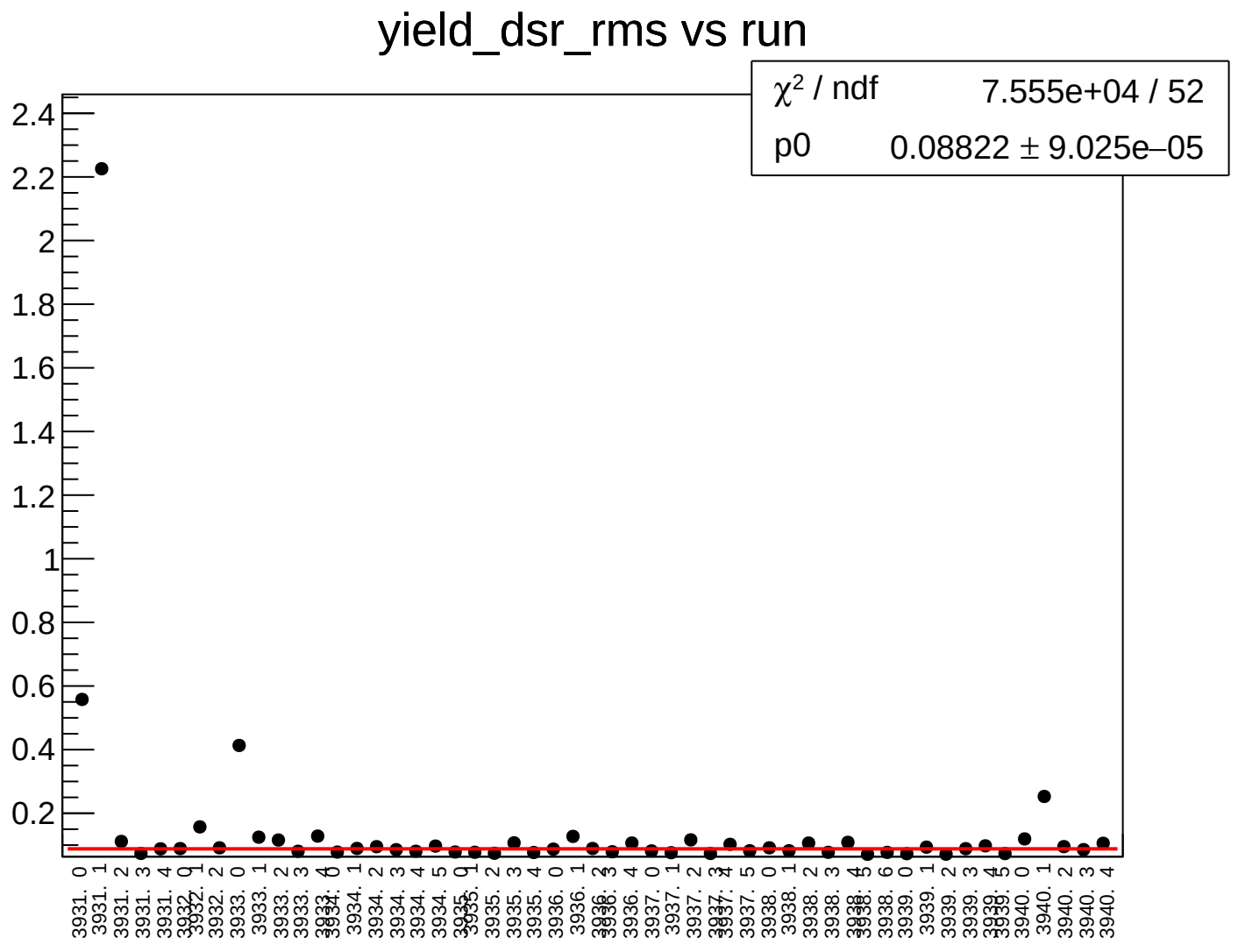

yield_dsl_mean vs run
χ² / ndf 3.231e+06 / 52
p0 66.77 ± 0.0001946
pull
Entries 53
Mean −191.4
Std Dev 215.1

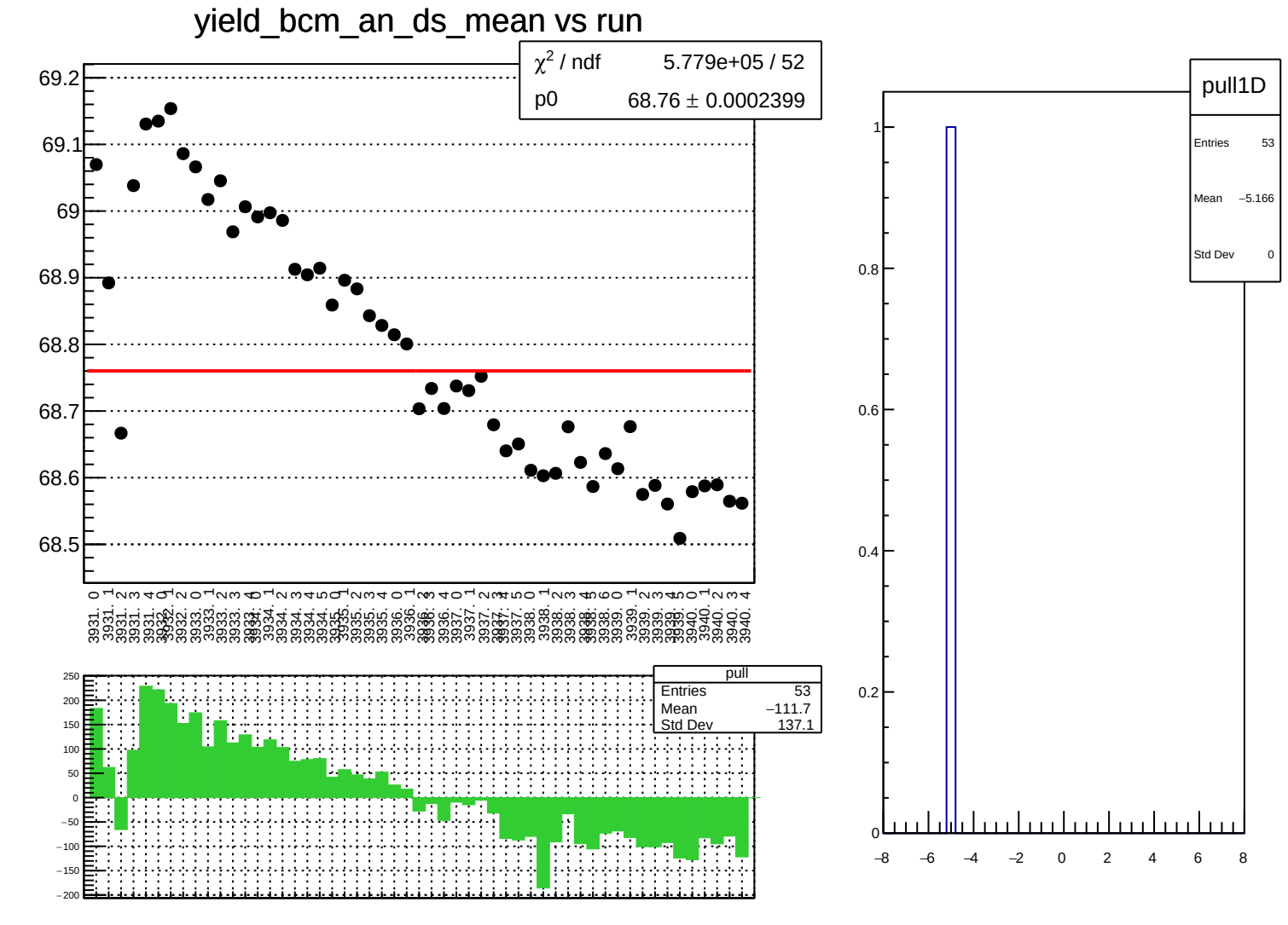

pull1D
Entries 53
Mean −1.491
Std Dev 1.595

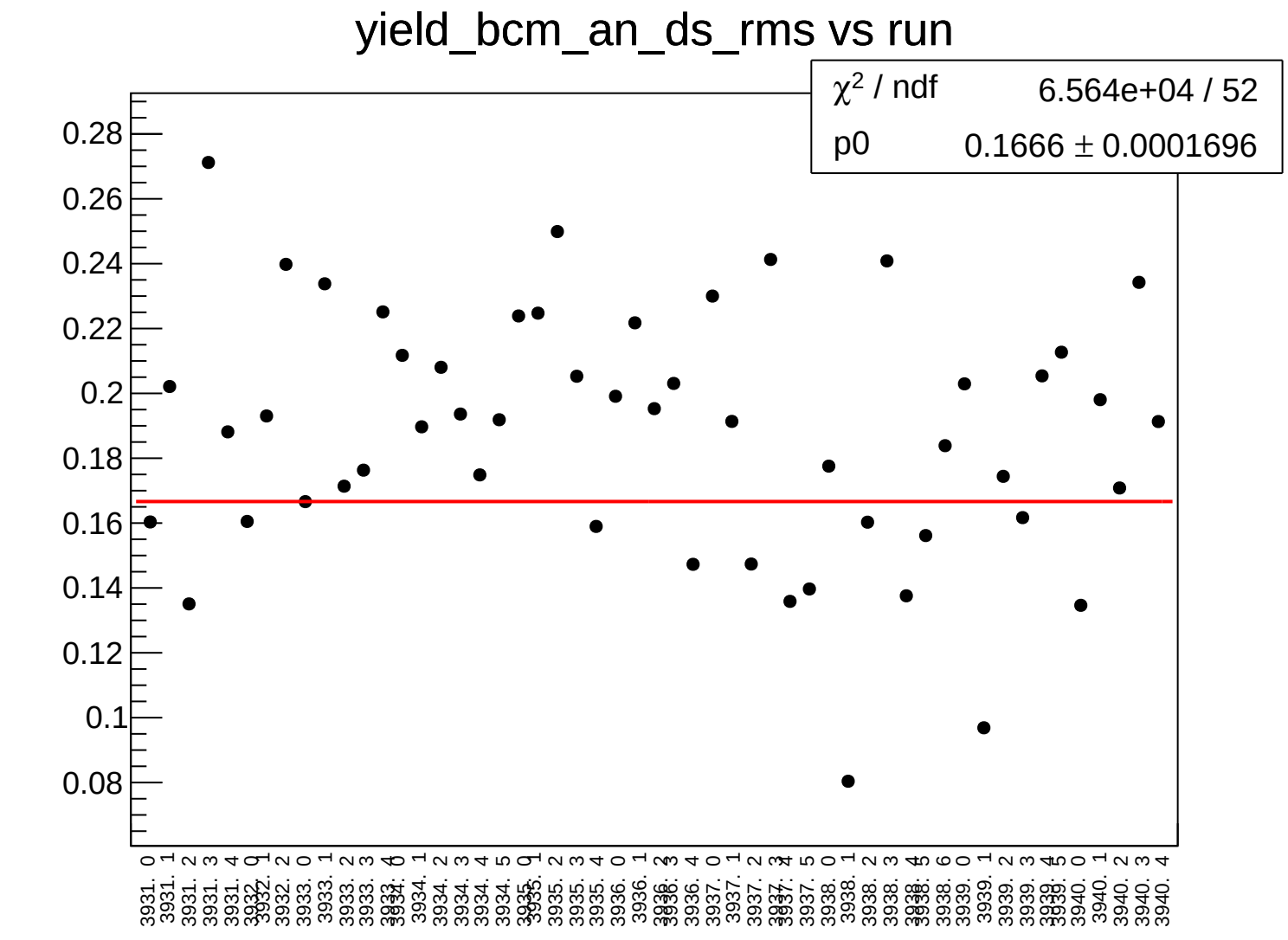

yield_dsl_rms vs run
χ² / ndf 5.191e+04 / 52
p0 0.1361 ± 0.0001376
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

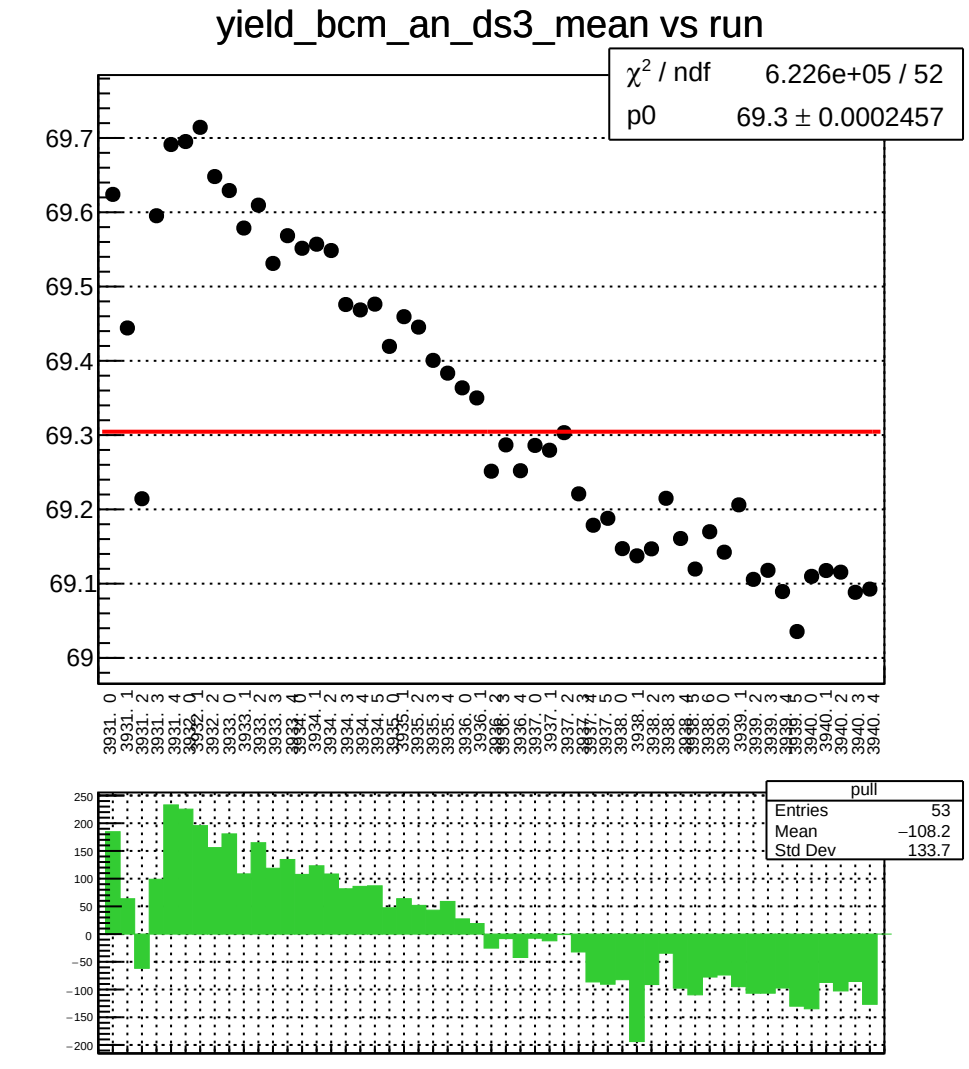

yield_dsr_mean vs run
χ² / ndf 1.232e+07 / 52
p0 67.03 ± 0.0001276
pull
Entries 53
Mean 555.6
Std Dev 532.3

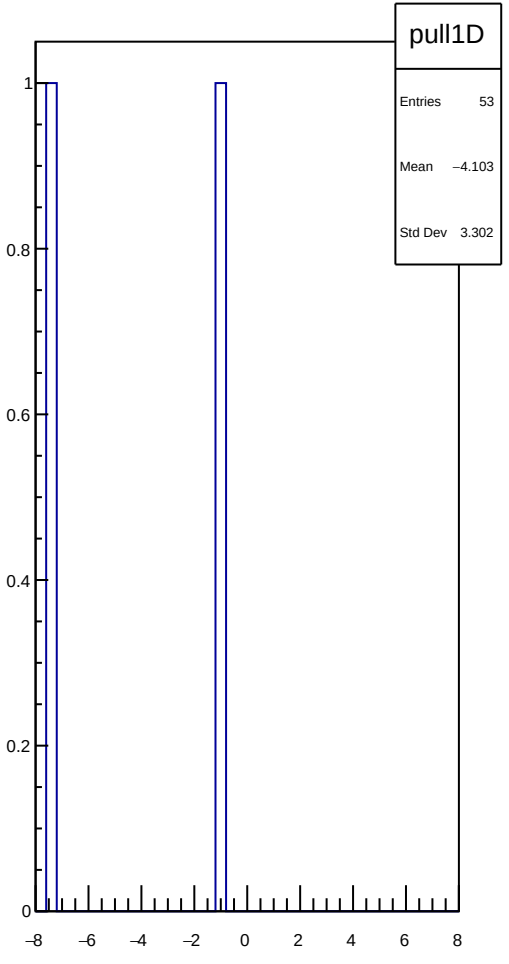

pull1D
Entries 53
Mean 3.005
Std Dev 3.143

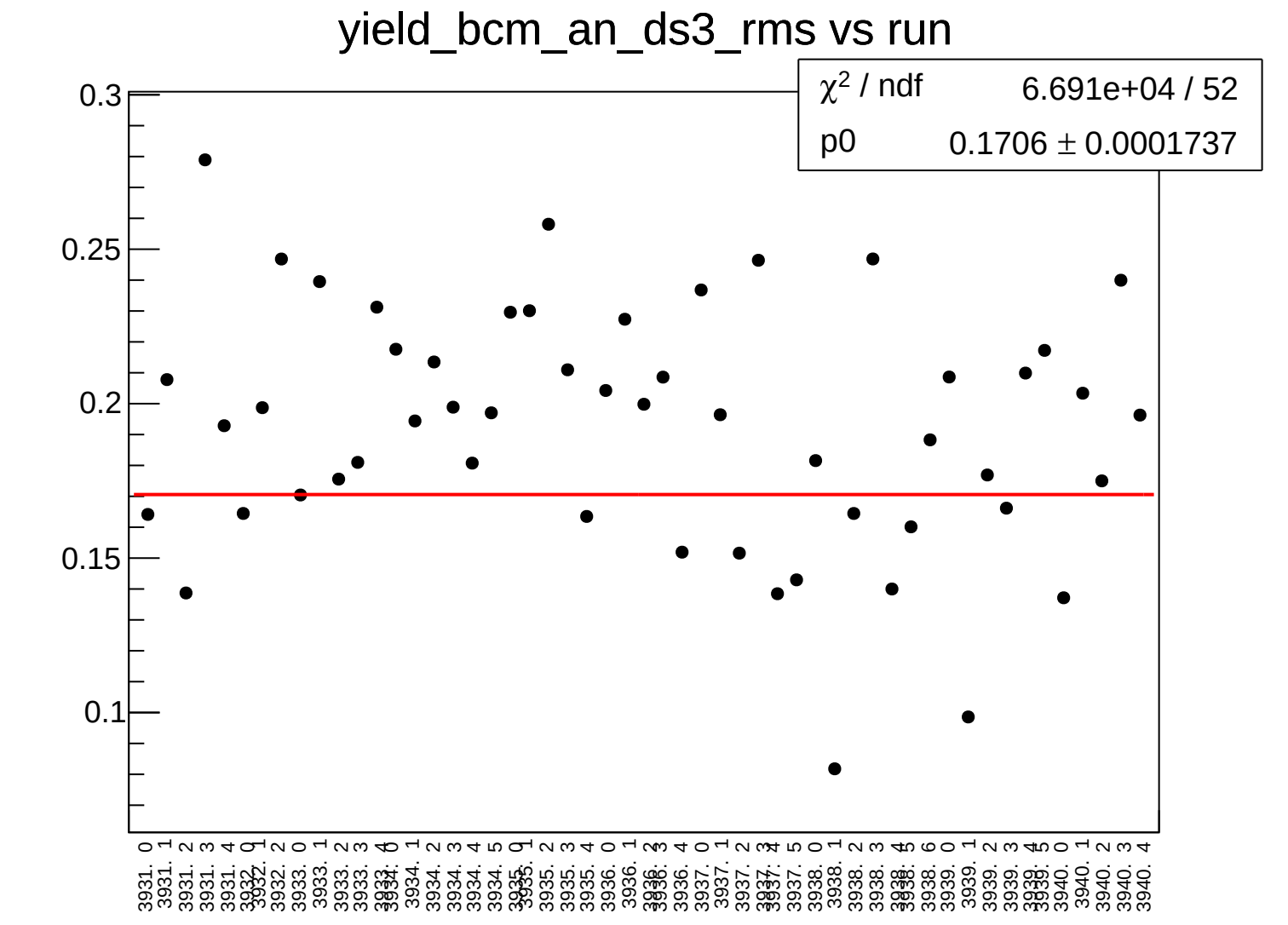

yield_dsr_rms vs run
χ² / ndf 7.555e+04 / 52
p0 0.08822 ± 9.025e−05
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

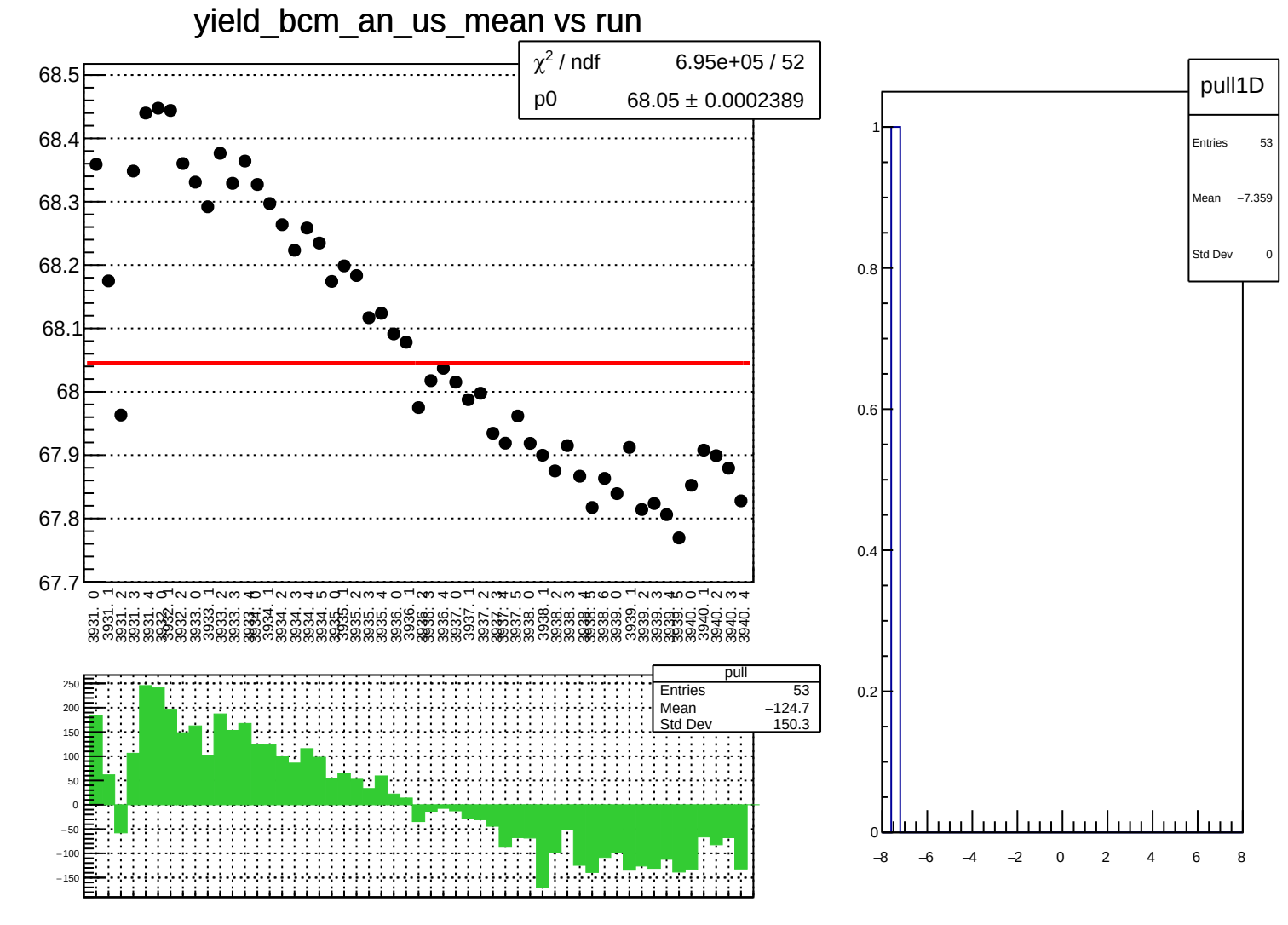

yield_bcm_an_ds_mean vs run
χ² / ndf 5.779e+05 / 52
p0 68.76 ± 0.0002399
pull
Entries 53
Mean −111.7
Std Dev 137.1
pull1D
Entries 53
Mean −5.166
Std Dev 0

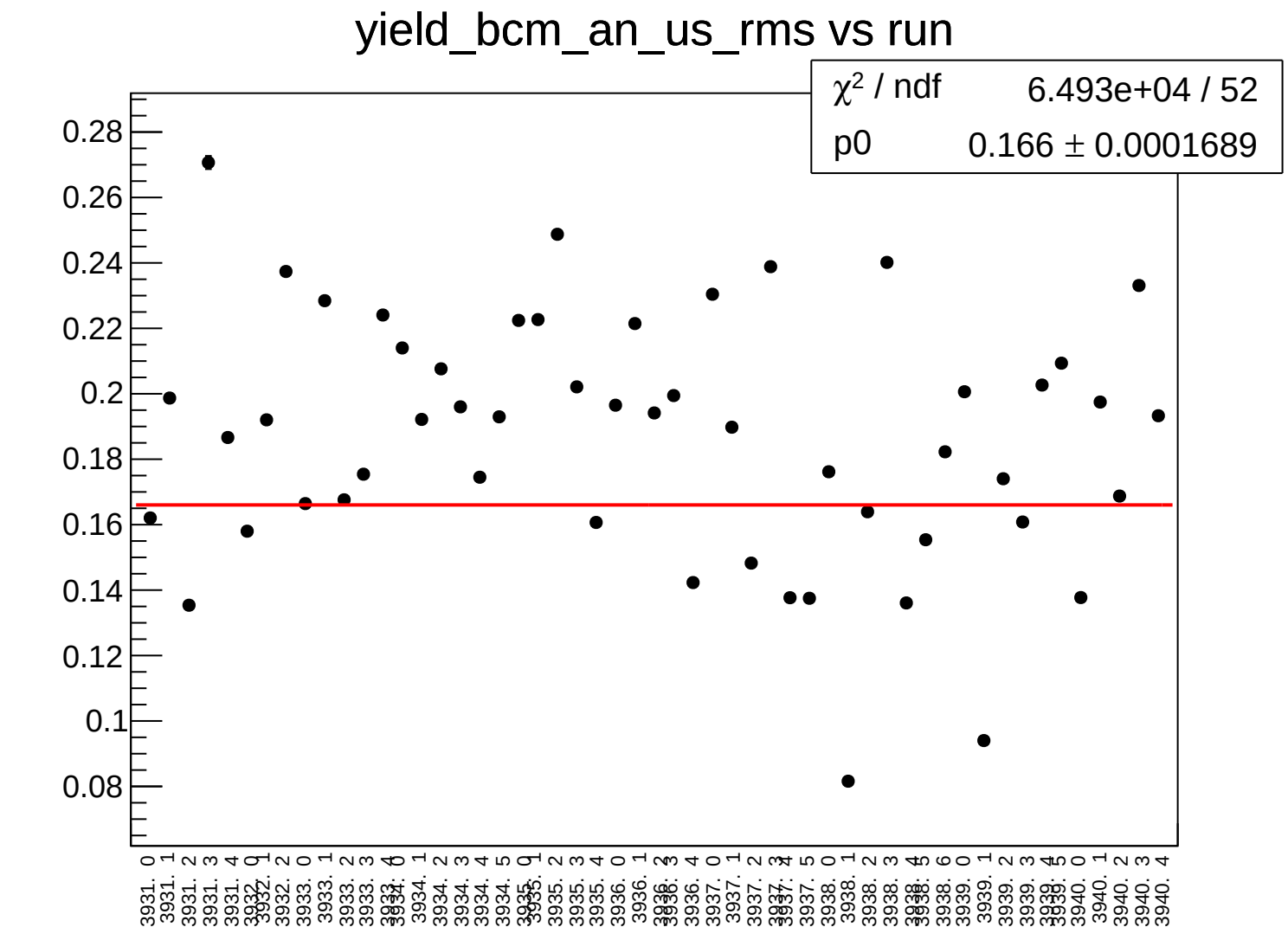

yield_bcm_an_ds_rms vs run
χ² / ndf 6.564e+04 / 52
p0 0.1666 ± 0.0001696
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08

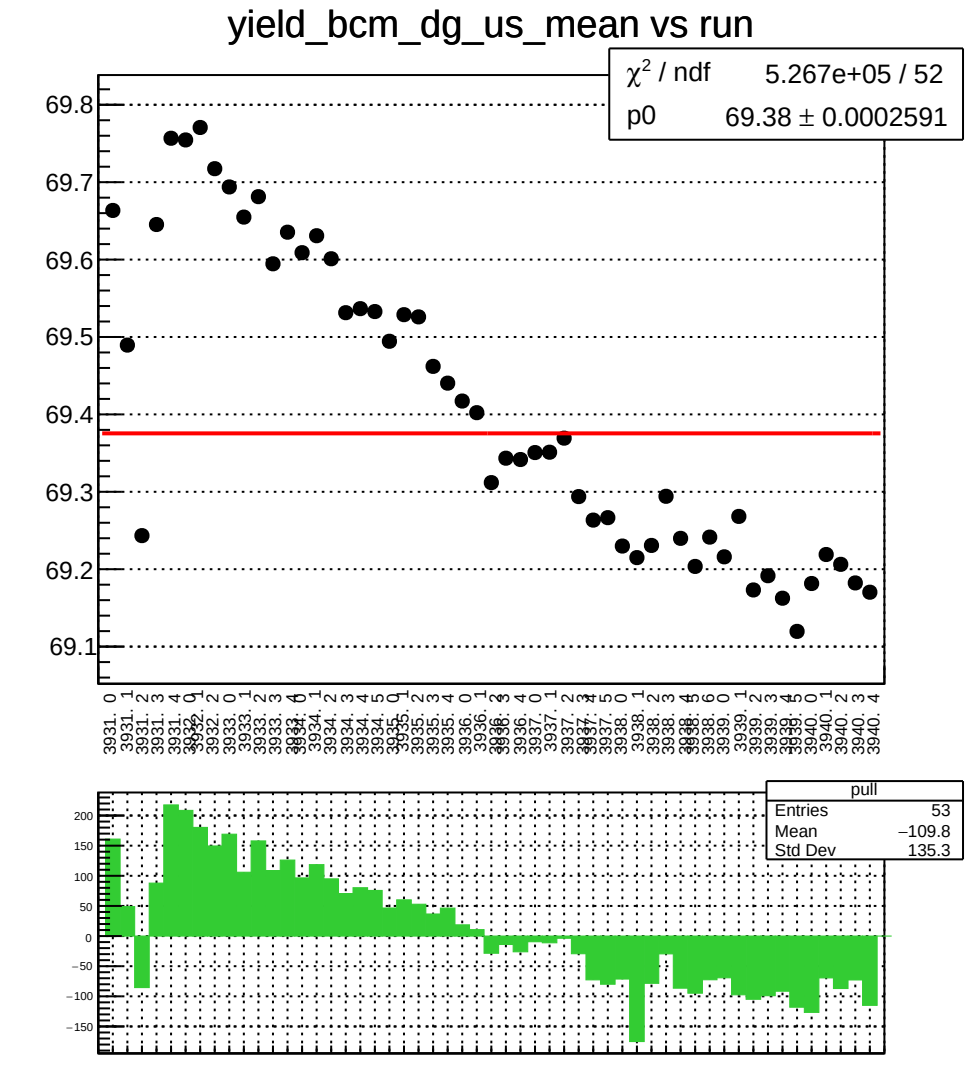

yield_bcm_an_ds3_mean vs run
χ² / ndf 6.226e+05 / 52
p0 69.3 ± 0.0002457
69.7
69.6
69.5
69.4
69.3
69.2
69.1
69
pull
Entries 53
Mean −108.2
Std Dev 133.7
250
200
150
100
50
0
−50
−100
−150
−200

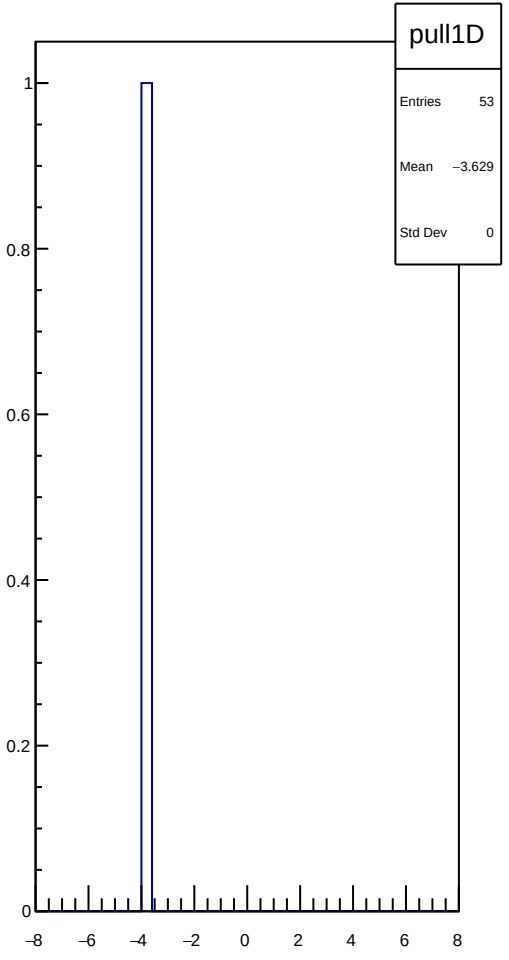

pull1D
Entries 53
Mean −4.103
Std Dev 3.302
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

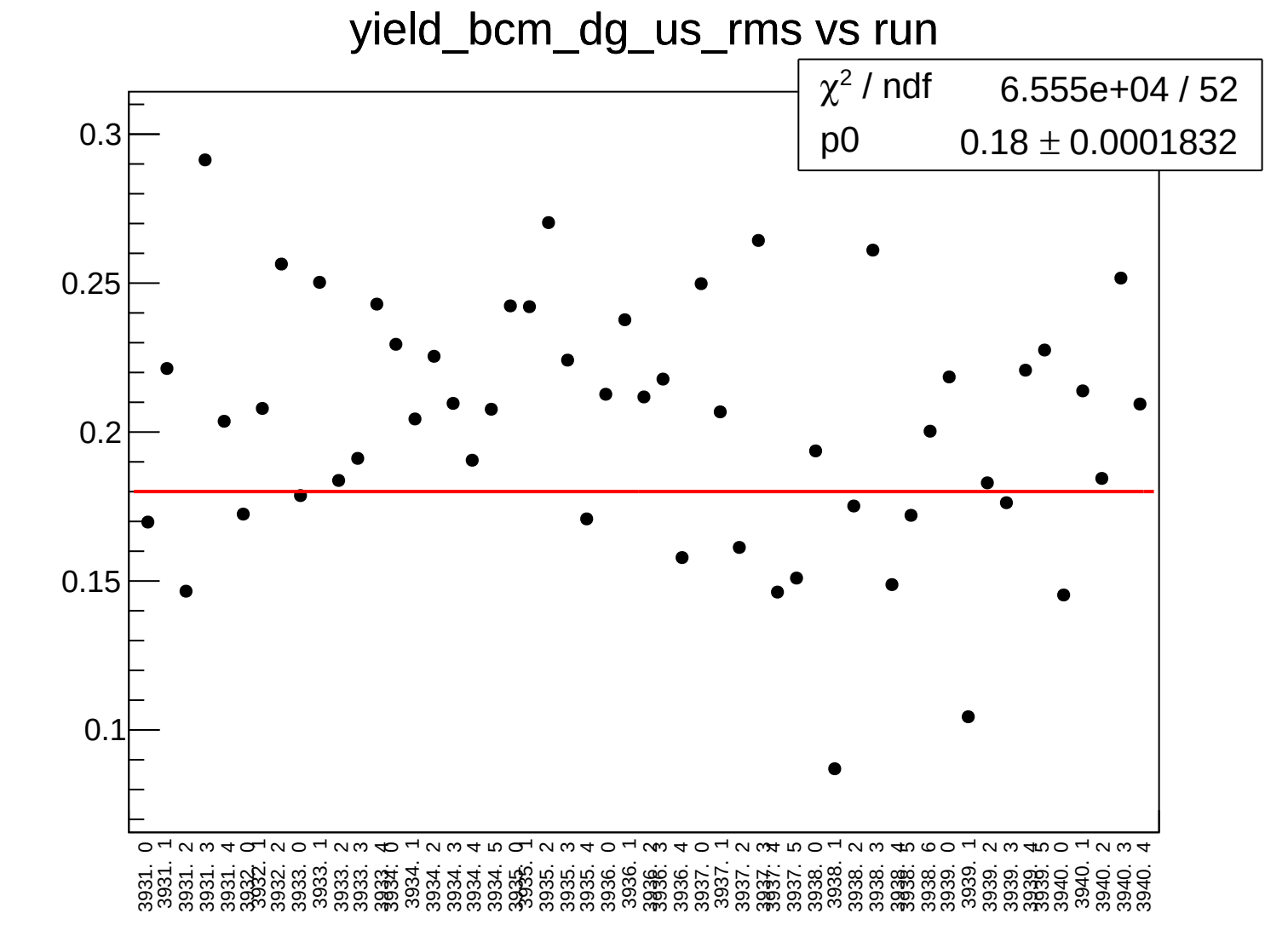

yield_bcm_an_ds3_rms vs run
χ² / ndf 6.691e+04 / 52
p0 0.1706 ± 0.0001737
0.3
0.25
0.2
0.15
0.1
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

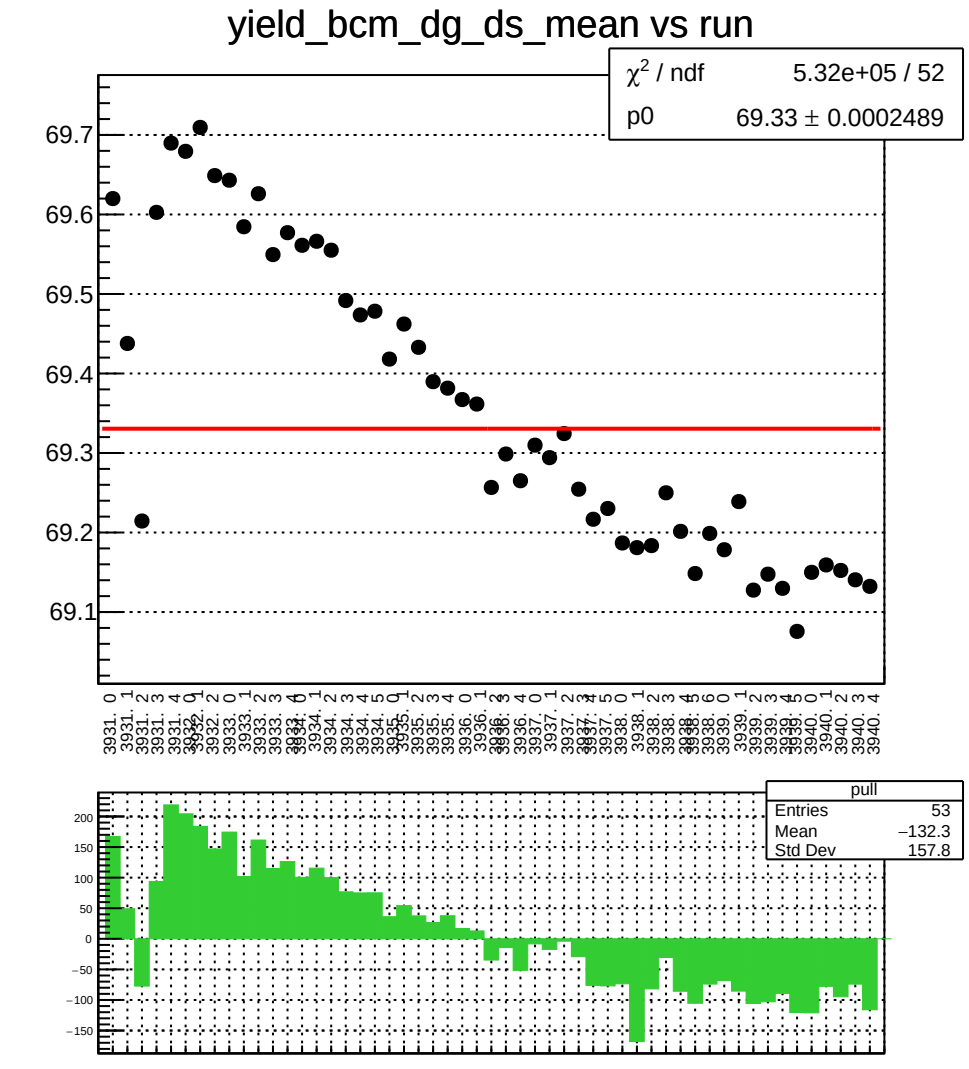

yield_bcm_an_us_mean vs run
χ² / ndf 6.95e+05 / 52
p0 68.05 ± 0.0002389
68.5
68.4
68.3
68.2
68.1
68
67.9
67.8
67.7
pull
Entries 53
Mean −124.7
Std Dev 150.3
250
200
150
100
50
0
−50
−100
−150
pull1D
Entries 53
Mean −7.359
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

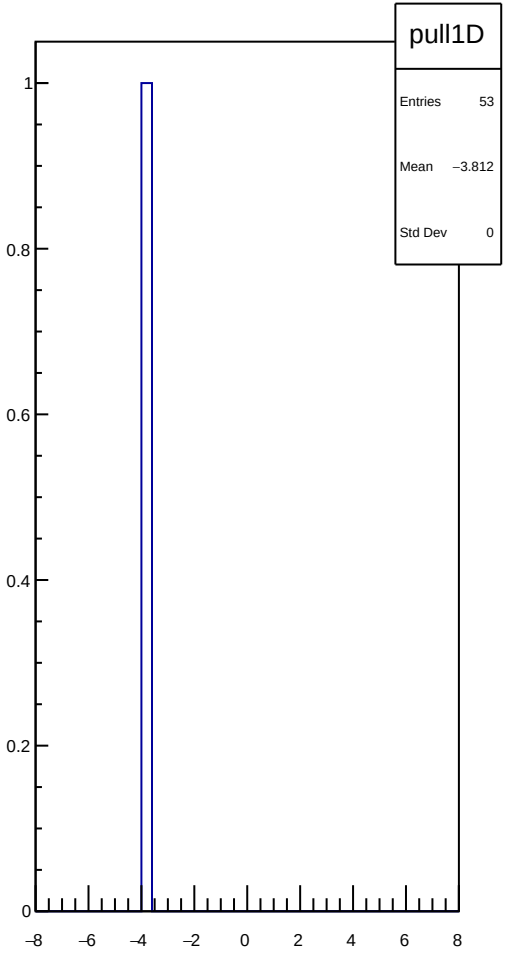

yield_bcm_an_us_rms vs run
χ² / ndf 6.493e+04 / 52
p0 0.166 ± 0.0001689
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08

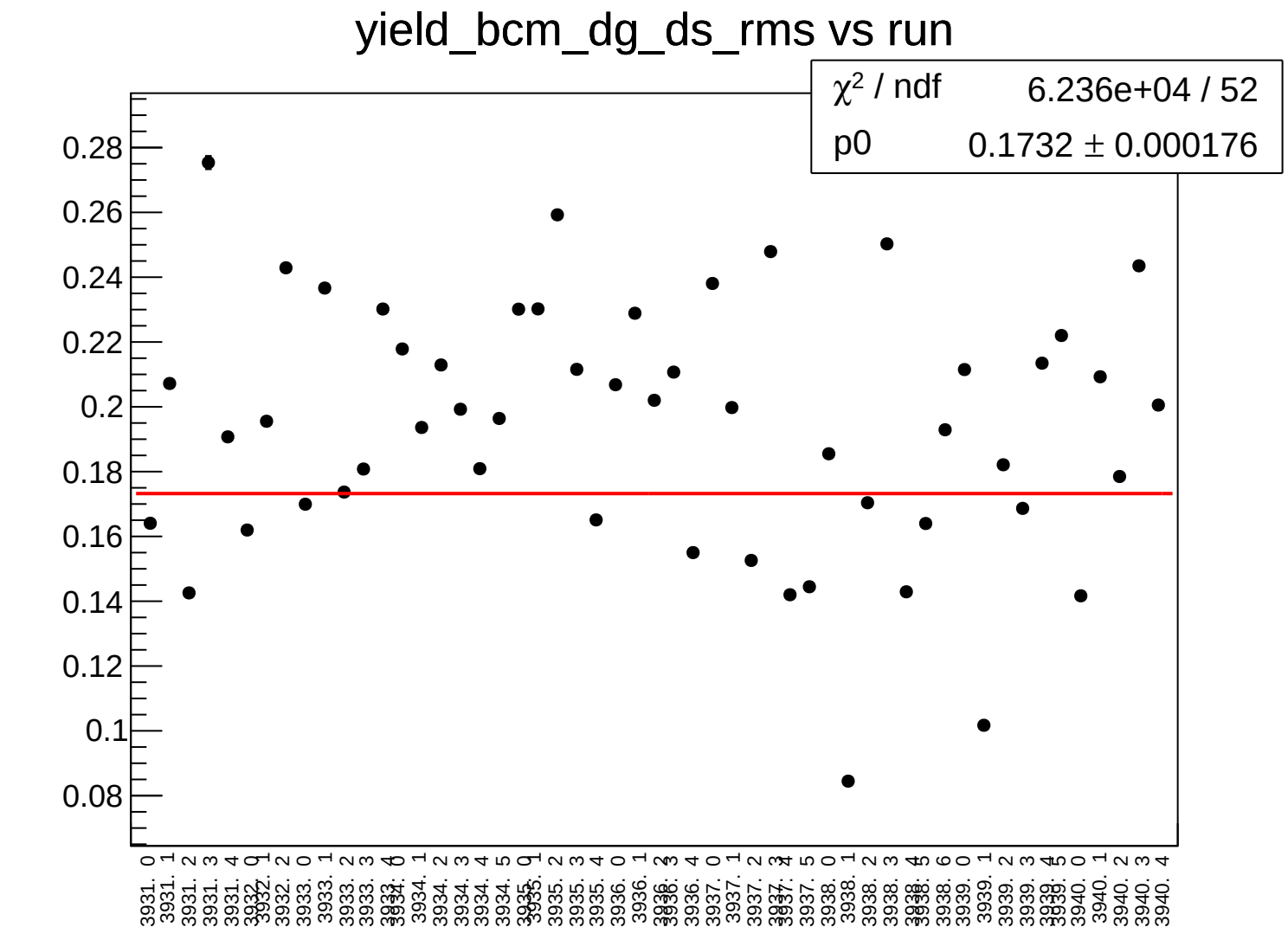

yield_bcm_dg_us_mean vs run
χ² / ndf 5.267e+05 / 52
p0 69.38 ± 0.0002591
69.8
69.7
69.6
69.5
69.4
69.3
69.2
69.1
pull
Entries 53
Mean −109.8
Std Dev 135.3
200
150
100
50
0
−50
−100
−150

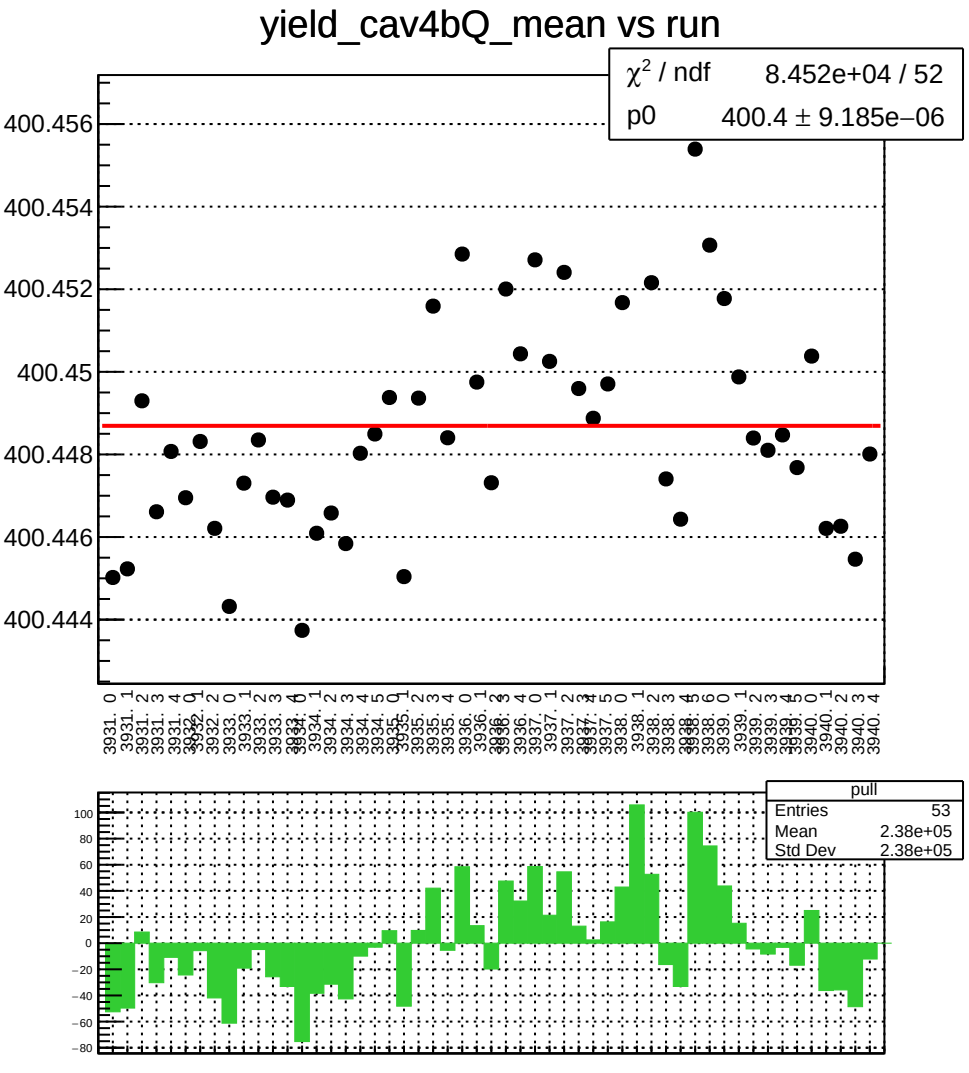

pull1D
Entries 53
Mean −3.629
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

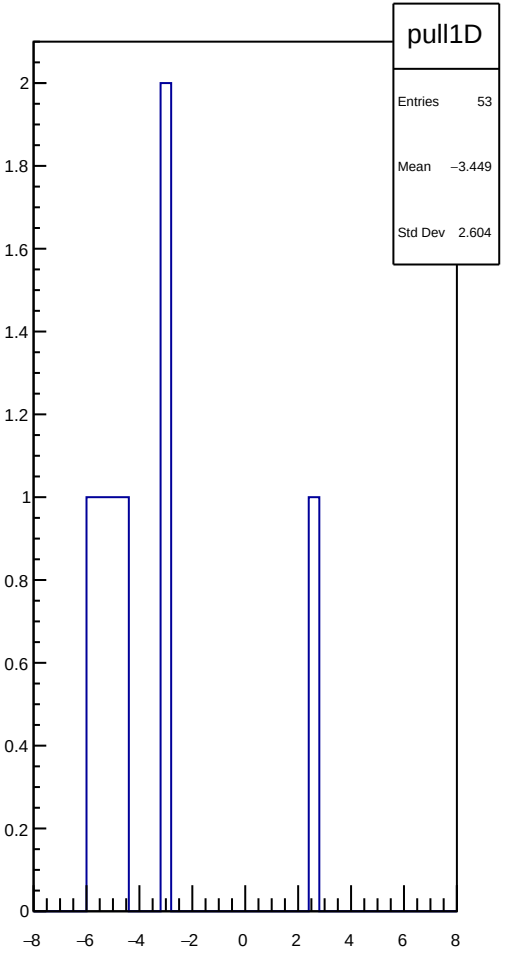

yield_bcm_dg_us_rms vs run
χ² / ndf 6.555e+04 / 52
p0 0.18 ± 0.0001832
0.3
0.25
0.2
0.15
0.1
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

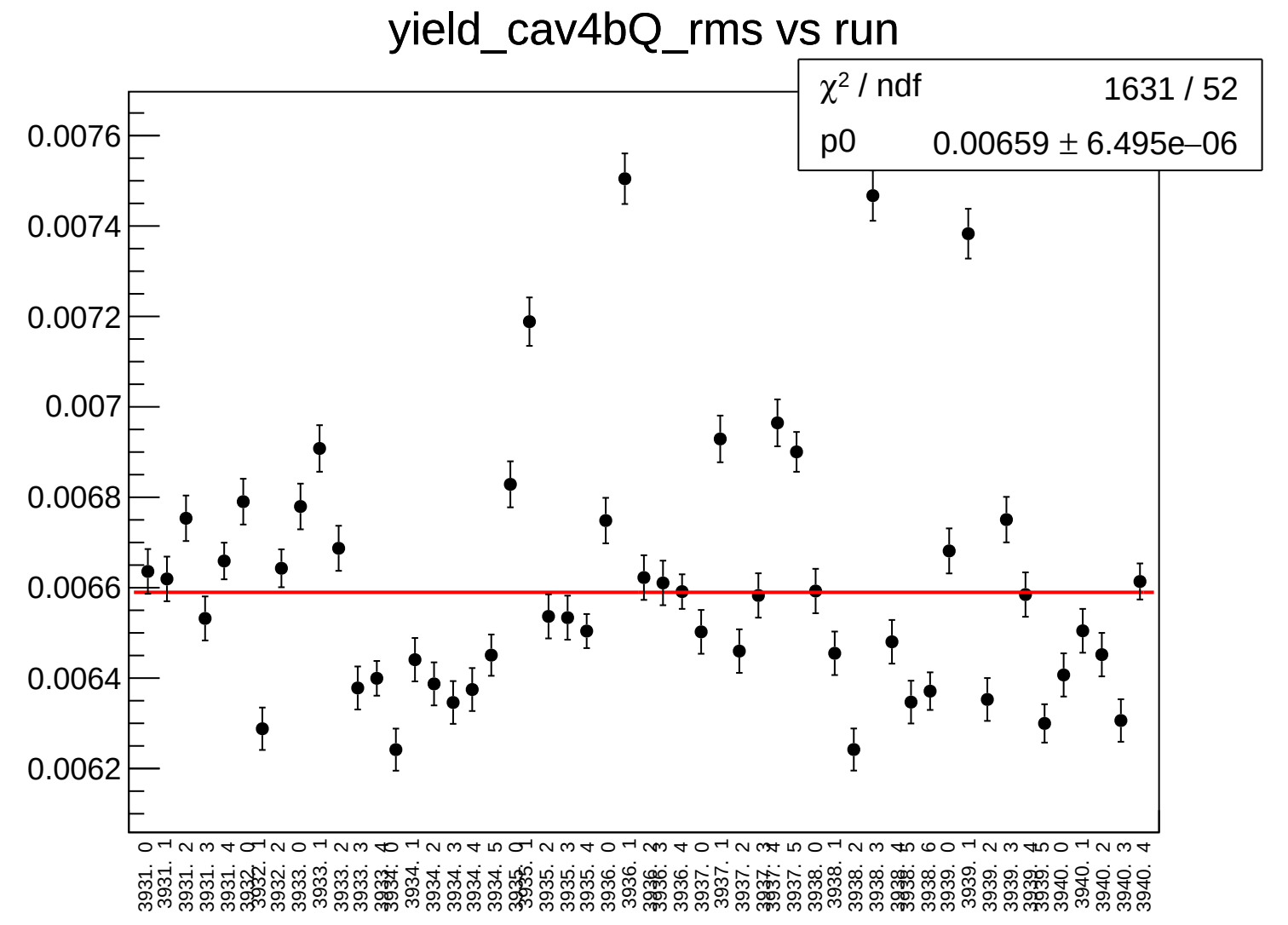

yield_bcm_dg_ds_mean vs run
χ² / ndf 5.32e+05 / 52
p0 69.33 ± 0.0002489
69.7
69.6
69.5
69.4
69.3
69.2
69.1
pull
Entries 53
Mean −132.3
Std Dev 157.8
200
150
100
50
0
−50
−100
−150

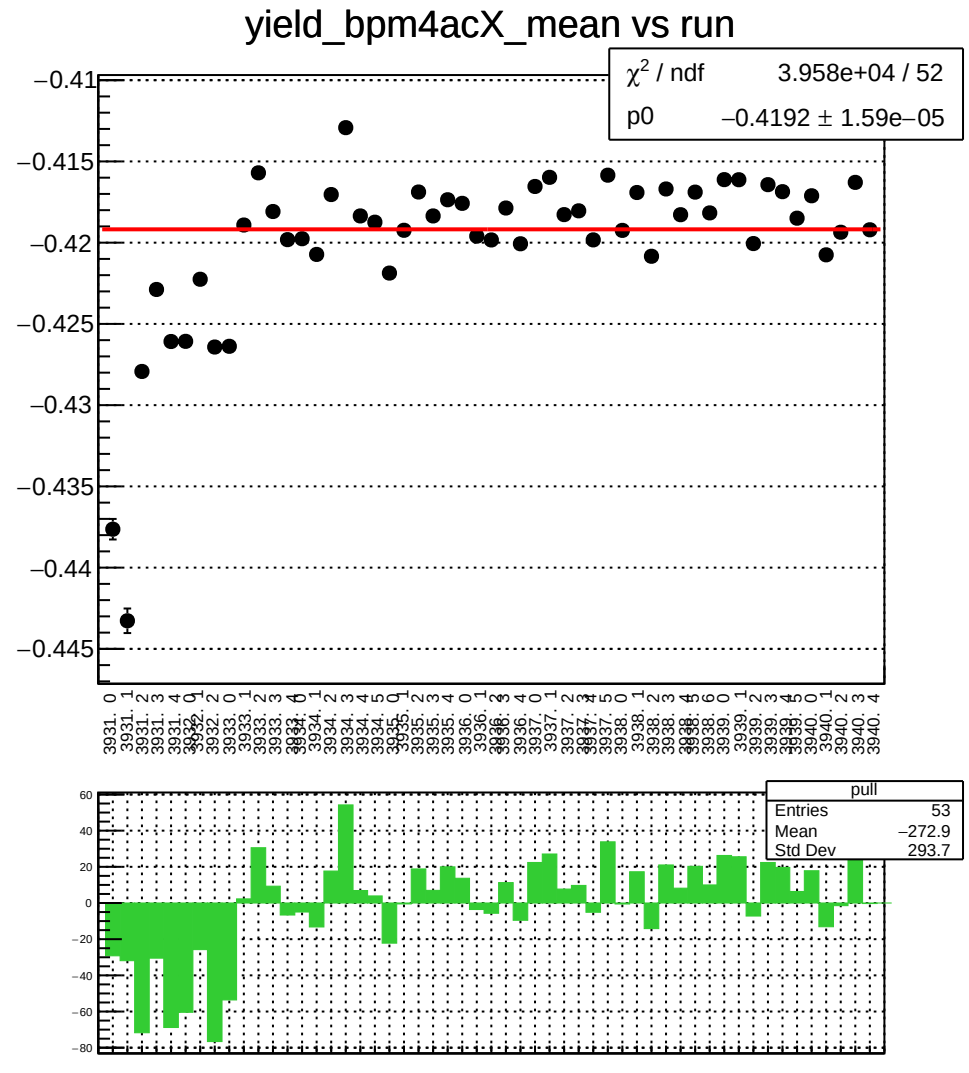

pull1D
Entries 53
Mean −3.812
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

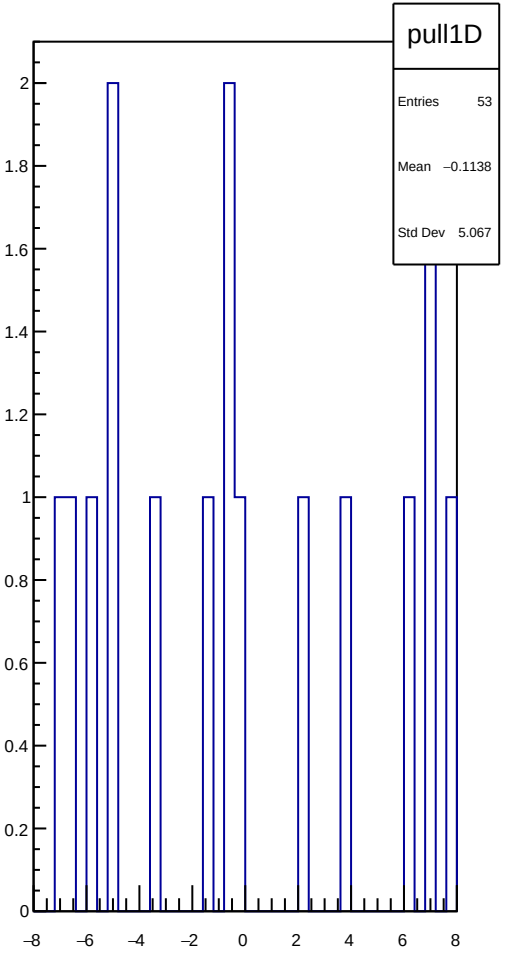

yield_bcm_dg_ds_rms vs run
χ² / ndf 6.236e+04 / 52
p0 0.1732 ± 0.000176
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

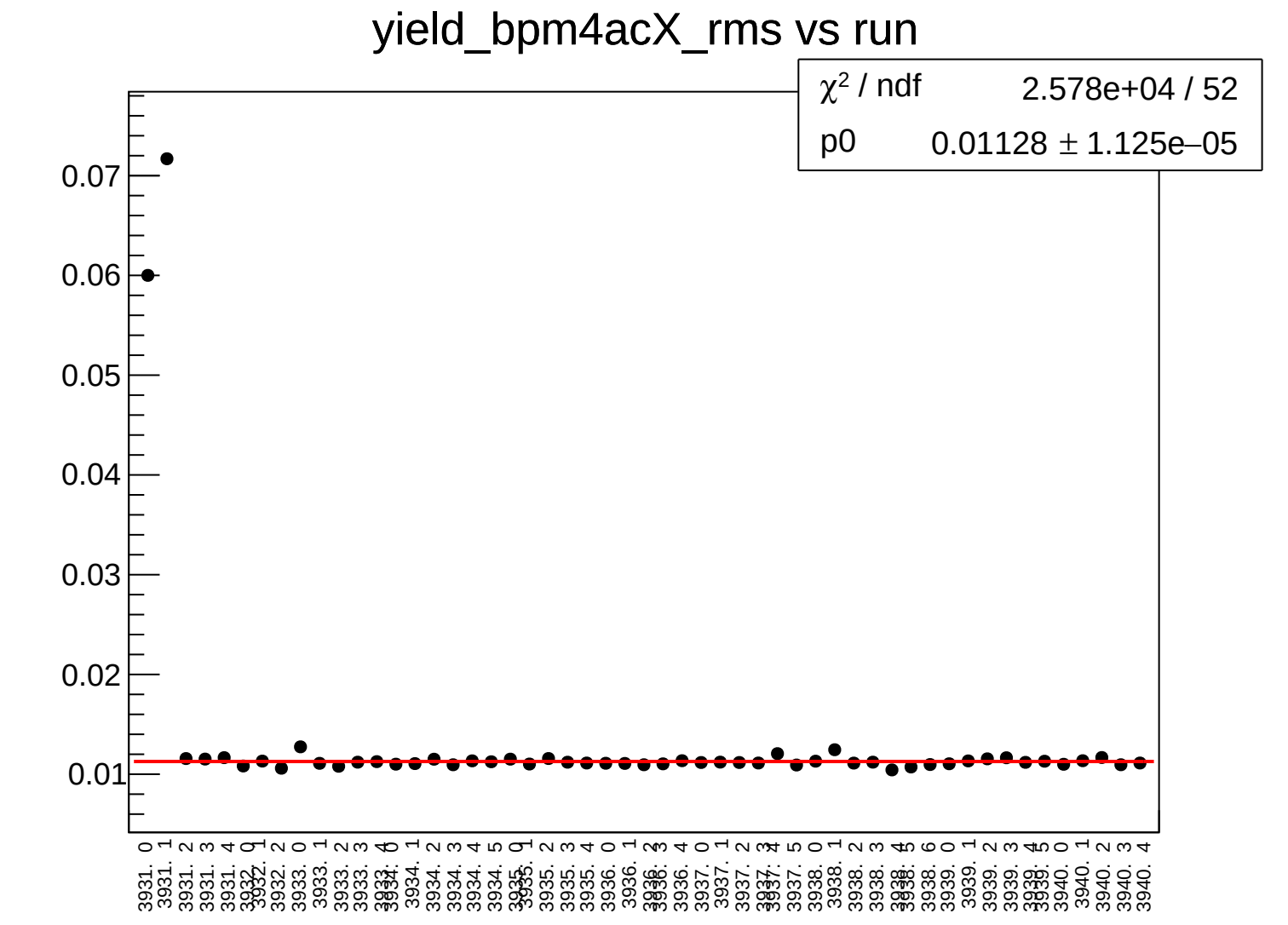

yield_cav4bQ_mean vs run
χ² / ndf 8.452e+04 / 52
p0 400.4 ± 9.185e−06
400.456
400.454
400.452
400.45
400.448
400.446
400.444
pull
Entries 53
Mean 2.38e+05
Std Dev 2.38e+05
100
80
60
40
20
0
−20
−40
−60
−80

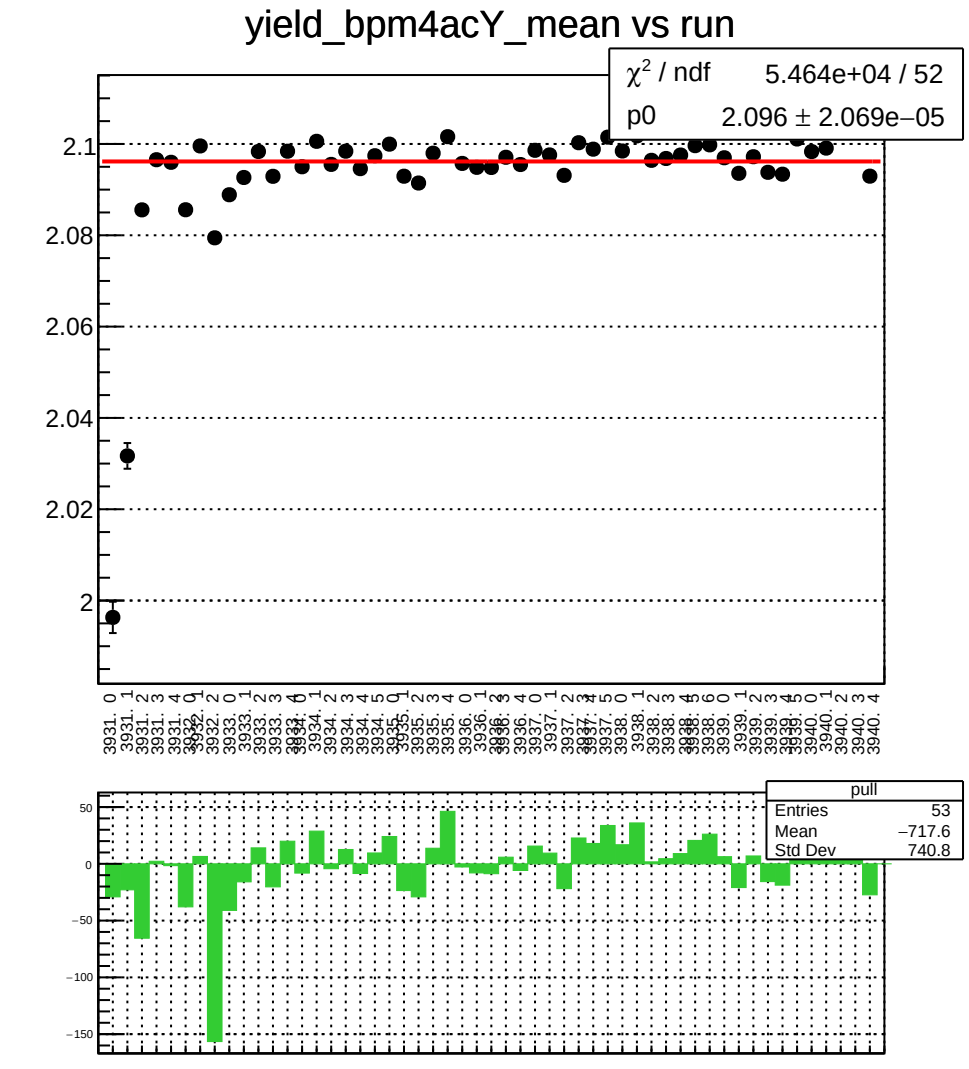

pull1D
Entries 53
Mean −3.449
Std Dev 2.604
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

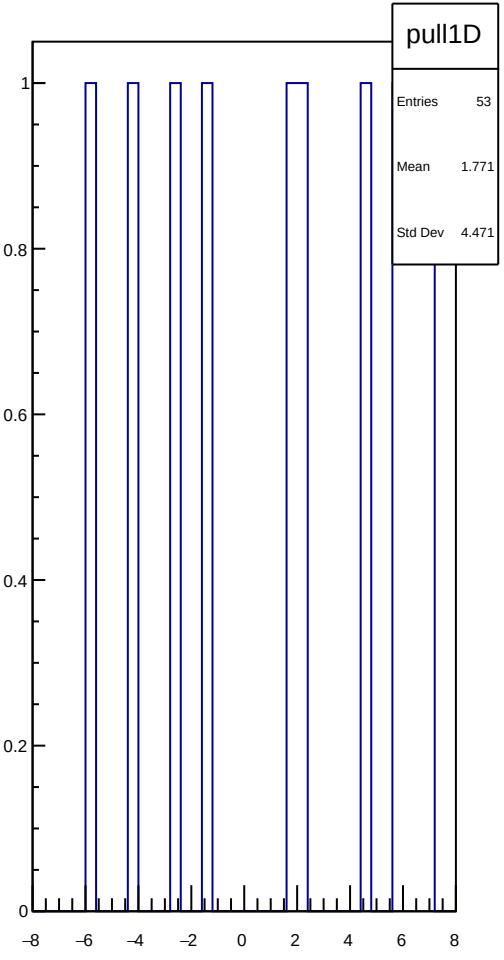

yield_cav4bQ_rms vs run
χ² / ndf 1631 / 52
p0 0.00659 ± 6.495e−06
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062

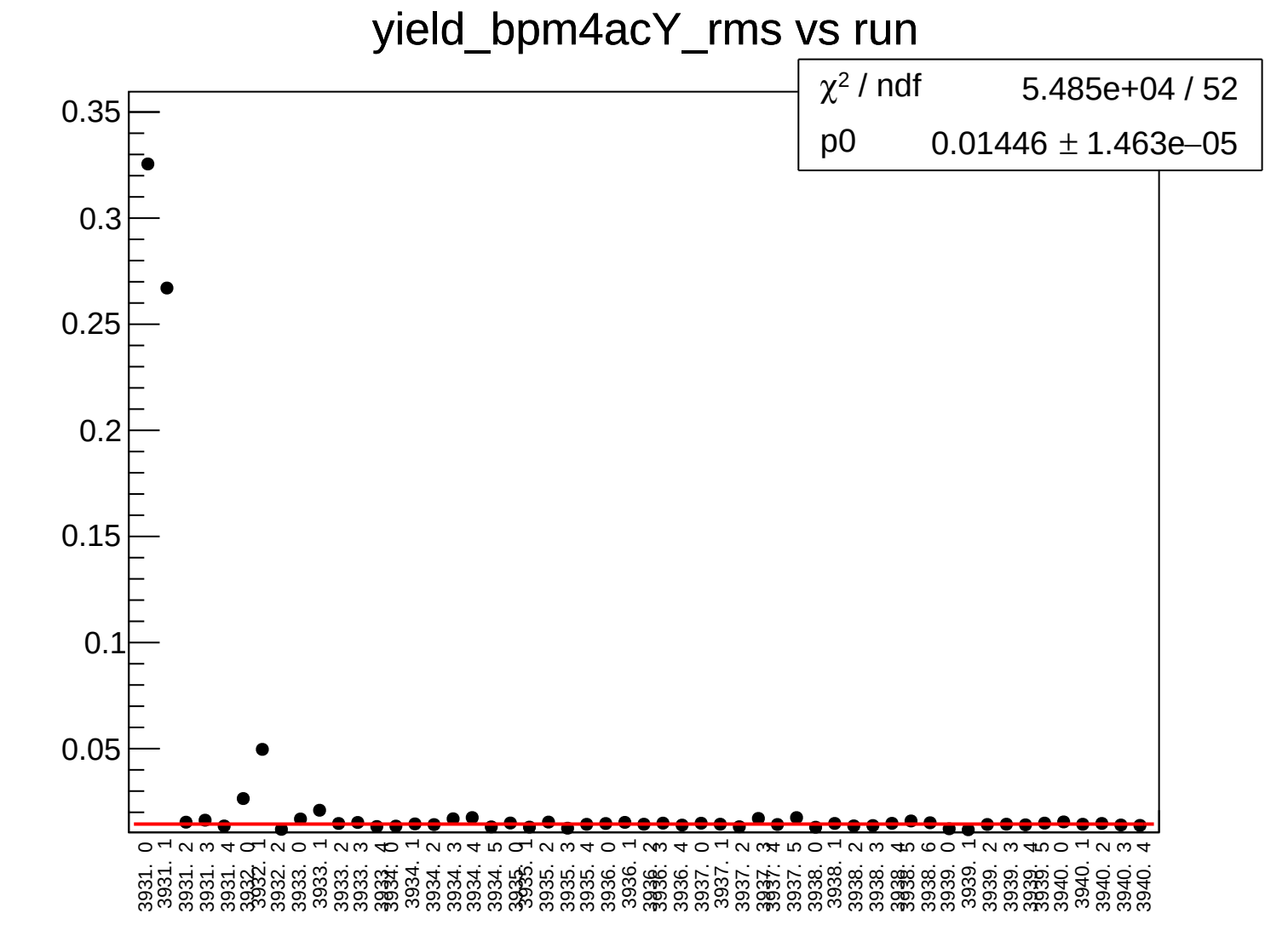

yield_bpm4acX_mean vs run
χ² / ndf 3.958e+04 / 52
p0 −0.4192 ± 1.59e−05
pull
Entries 53
Mean −272.9
Std Dev 293.7

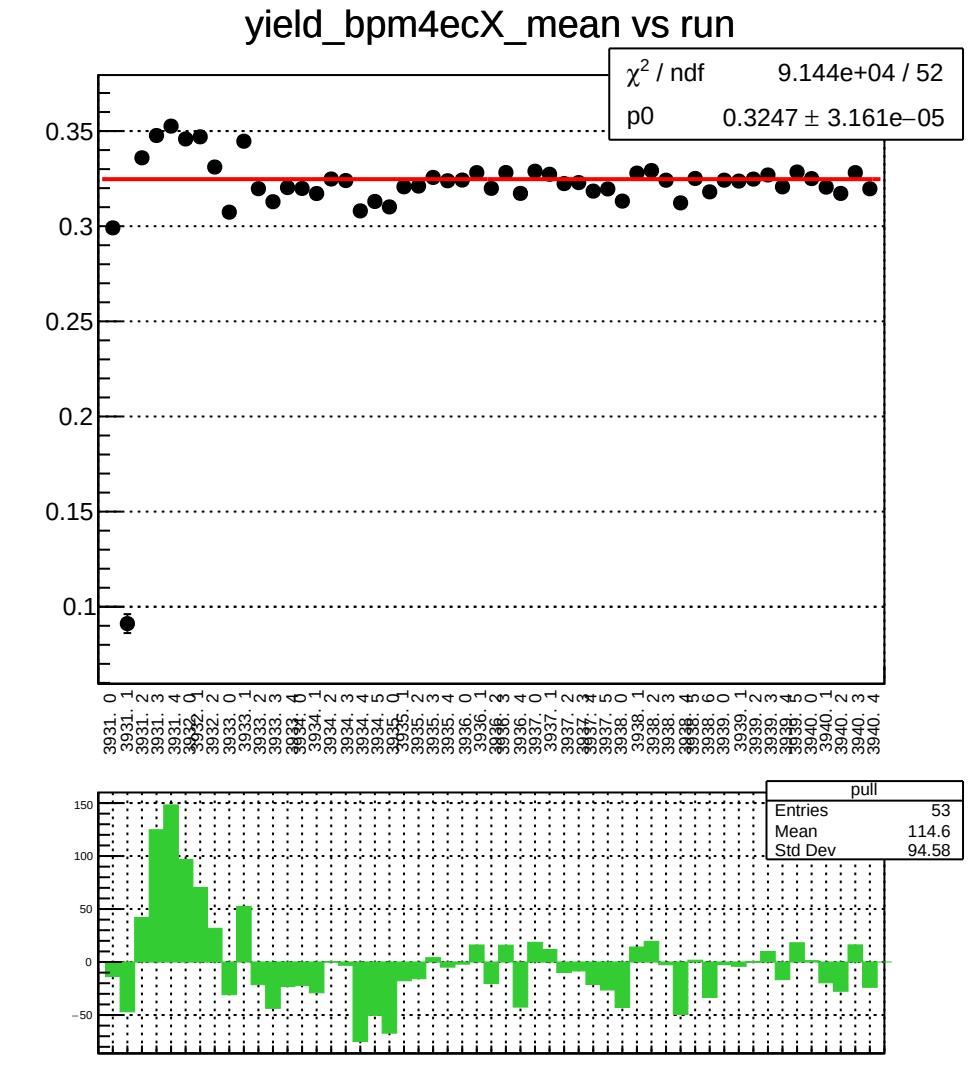

pull1D
Entries 53
Mean −0.1138
Std Dev 5.067

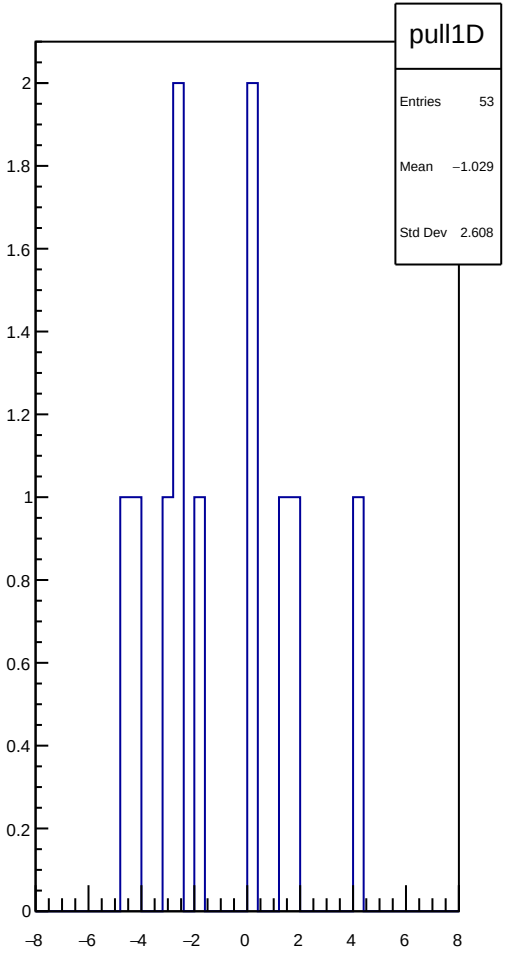

yield_bpm4acX_rms vs run
χ² / ndf 2.578e+04 / 52
p0 0.01128 ± 1.125e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01

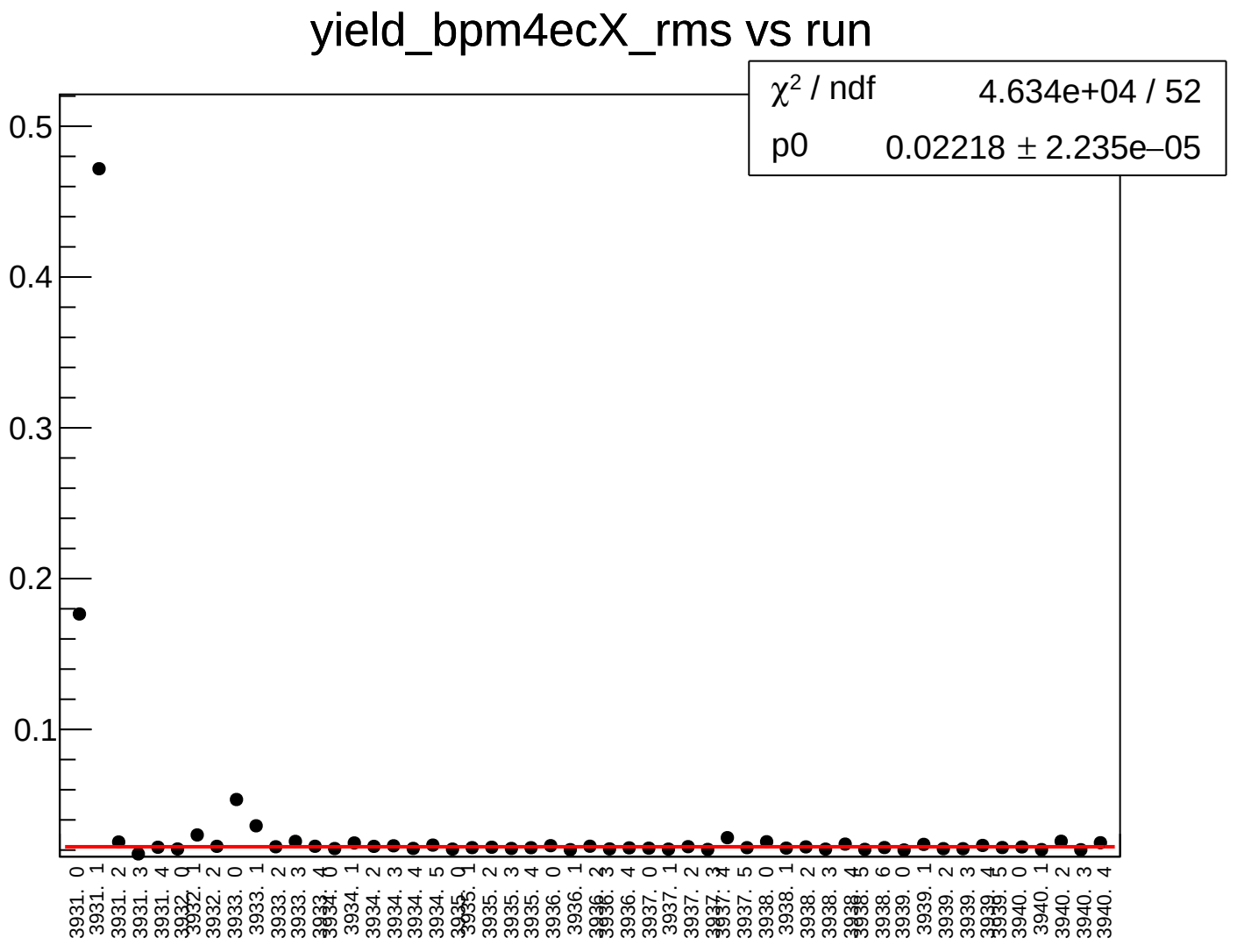

yield_bpm4acY_mean vs run
χ² / ndf 5.464e+04 / 52
p0 2.096 ± 2.069e−05
2.1
2.08
2.06
2.04
2.02
2
pull
Entries 53
Mean −717.6
Std Dev 740.8
50
0
−50
−100
−150

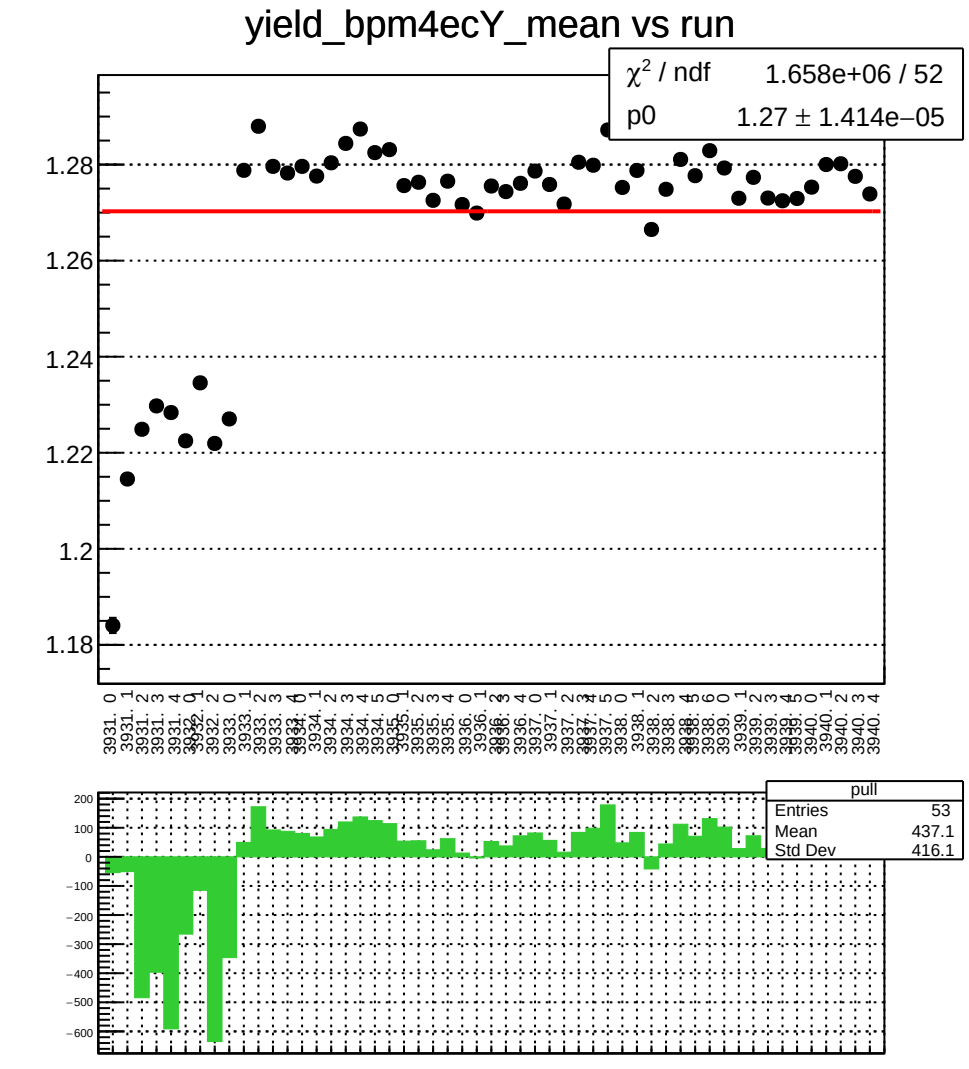

pull1D
Entries 53
Mean 1.771
Std Dev 4.471
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

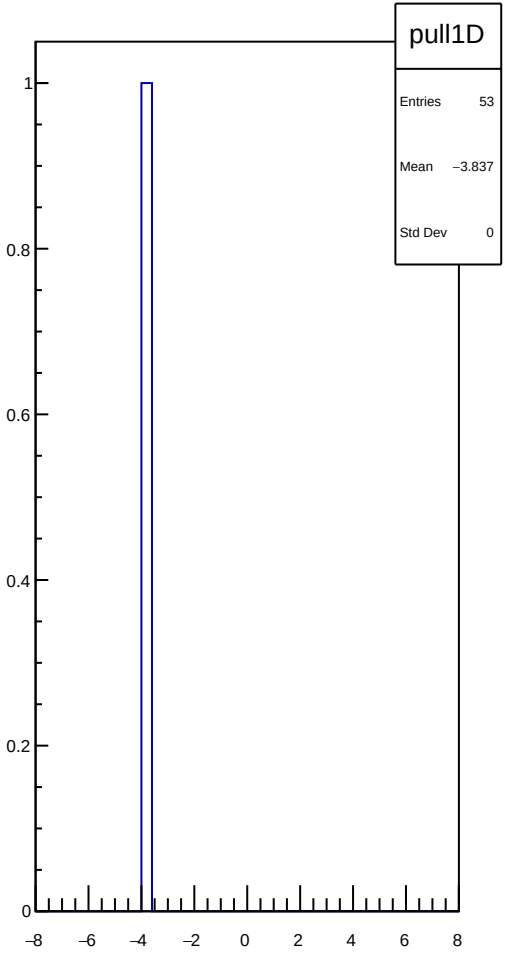

yield_bpm4acY_rms vs run
χ² / ndf 5.485e+04 / 52
p0 0.01446 ± 1.463e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

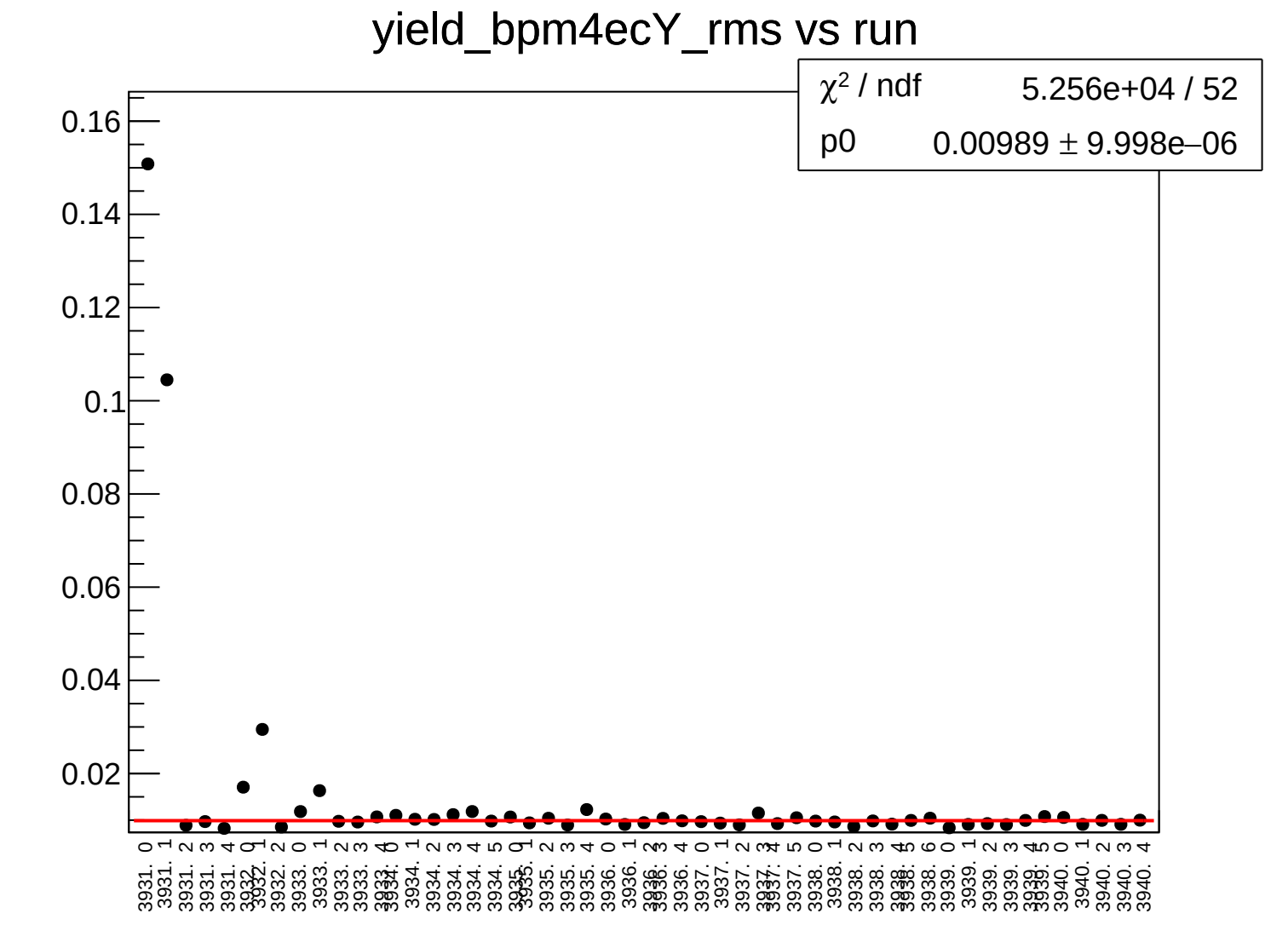

yield_bpm4ecX_mean vs run
χ² / ndf 9.144e+04 / 52
p0 0.3247 ± 3.161e−05
0.35
0.3
0.25
0.2
0.15
0.1
pull
Entries 53
Mean 114.6
Std Dev 94.58
150
100
50
0
−50

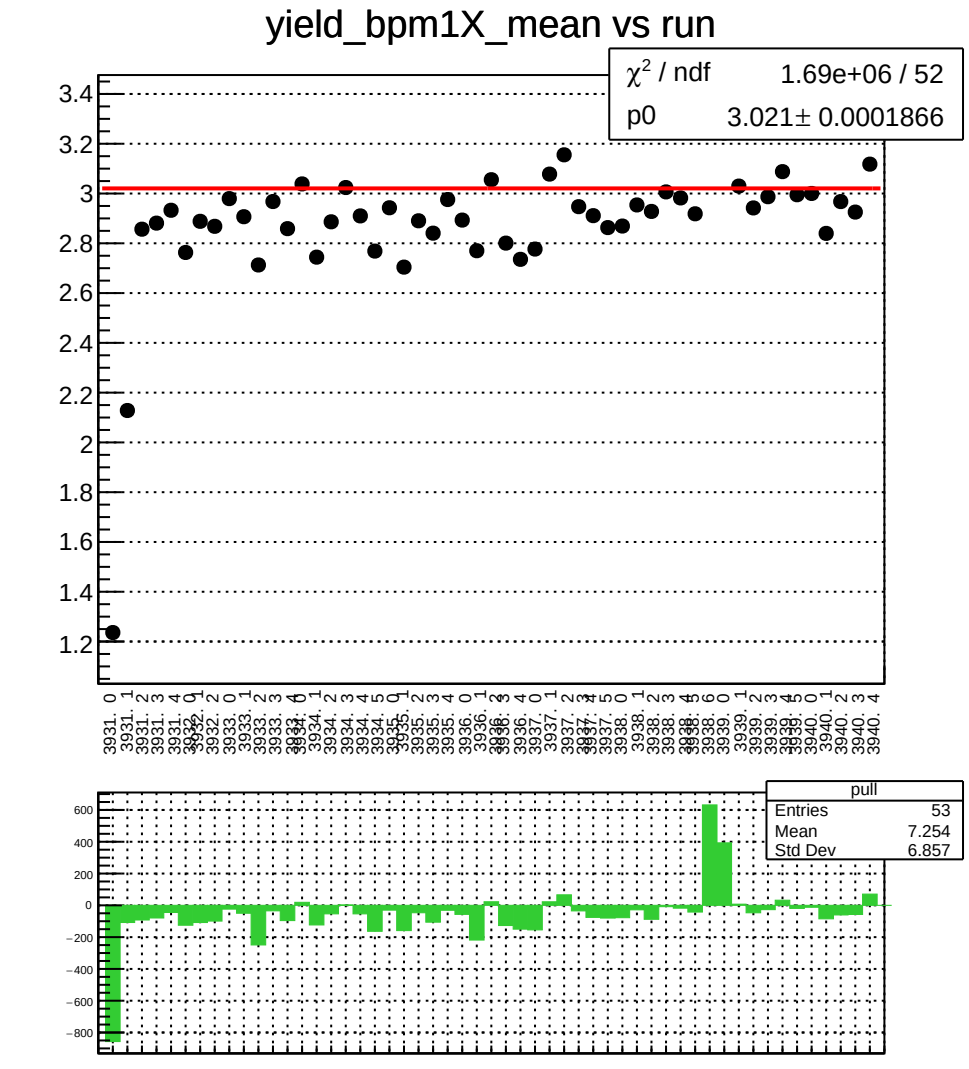

pull1D
Entries 53
Mean −1.029
Std Dev 2.608
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

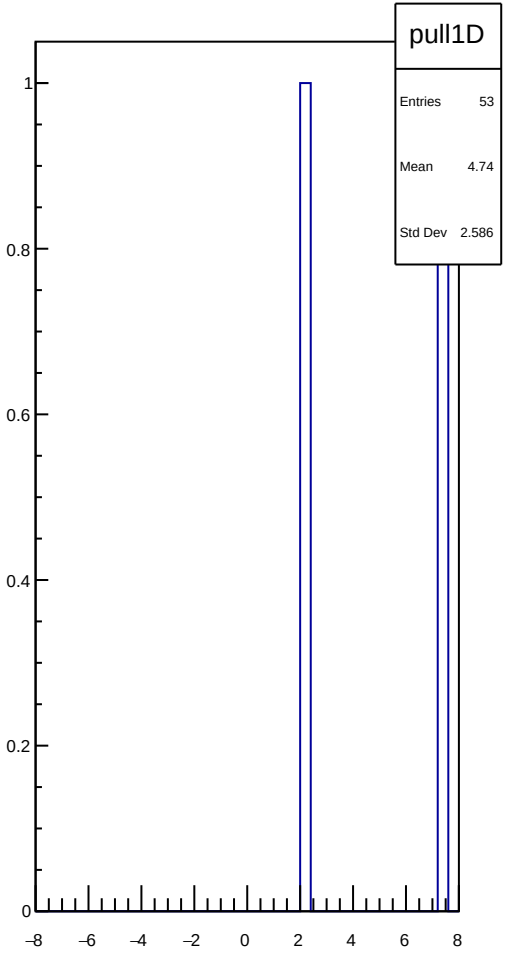

yield_bpm4ecX_rms vs run
χ² / ndf 4.634e+04 / 52
p0 0.02218 ± 2.235e–05
0.5
0.4
0.3
0.2
0.1

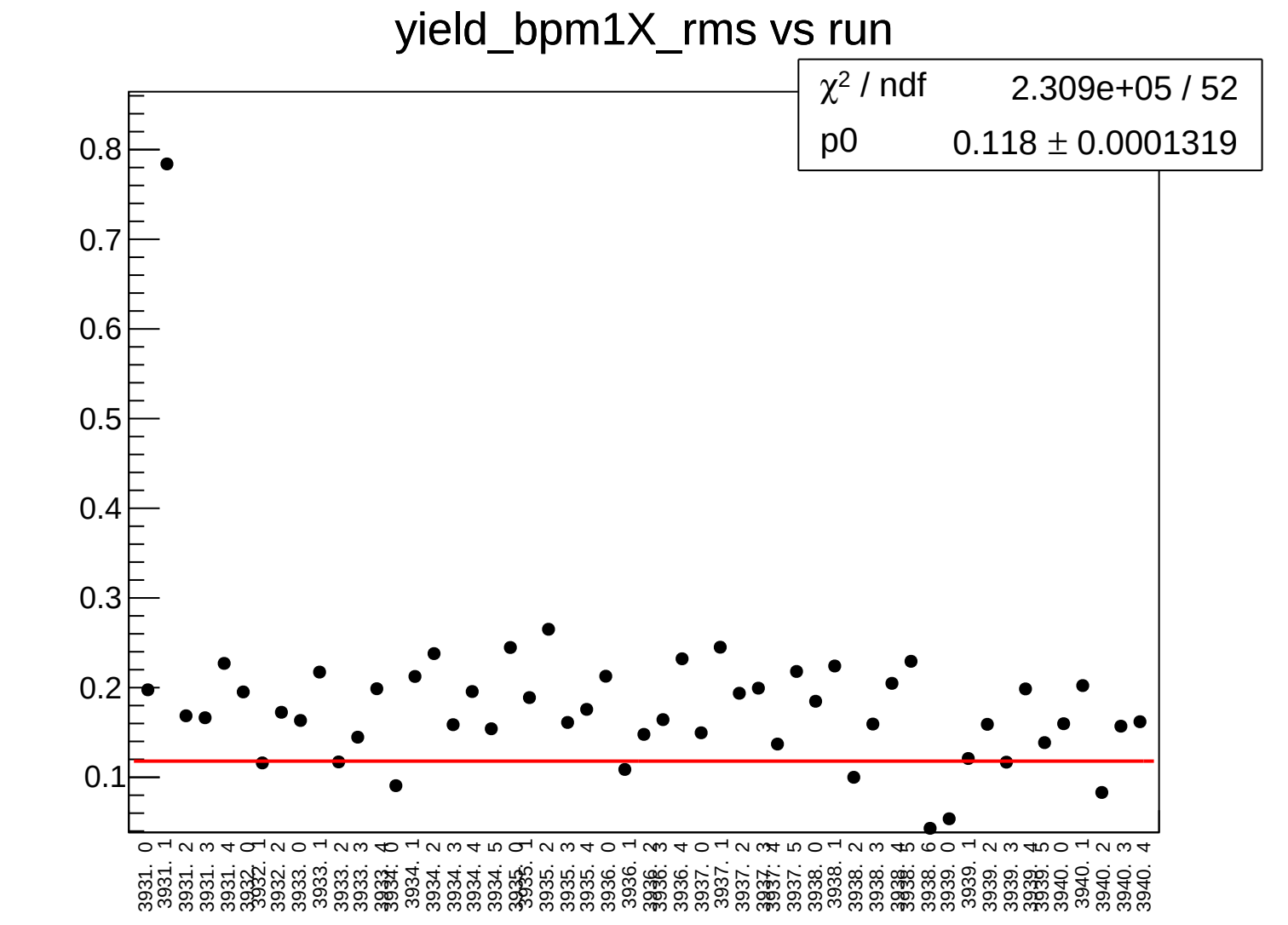

yield_bpm4ecY_mean vs run
χ² / ndf 1.658e+06 / 52
p0 1.27 ± 1.414e−05
1.28
1.26
1.24
1.22
1.2
1.18
pull
Entries 53
Mean 437.1
Std Dev 416.1
200
100
0
−100
−200
−300
−400
−500
−600

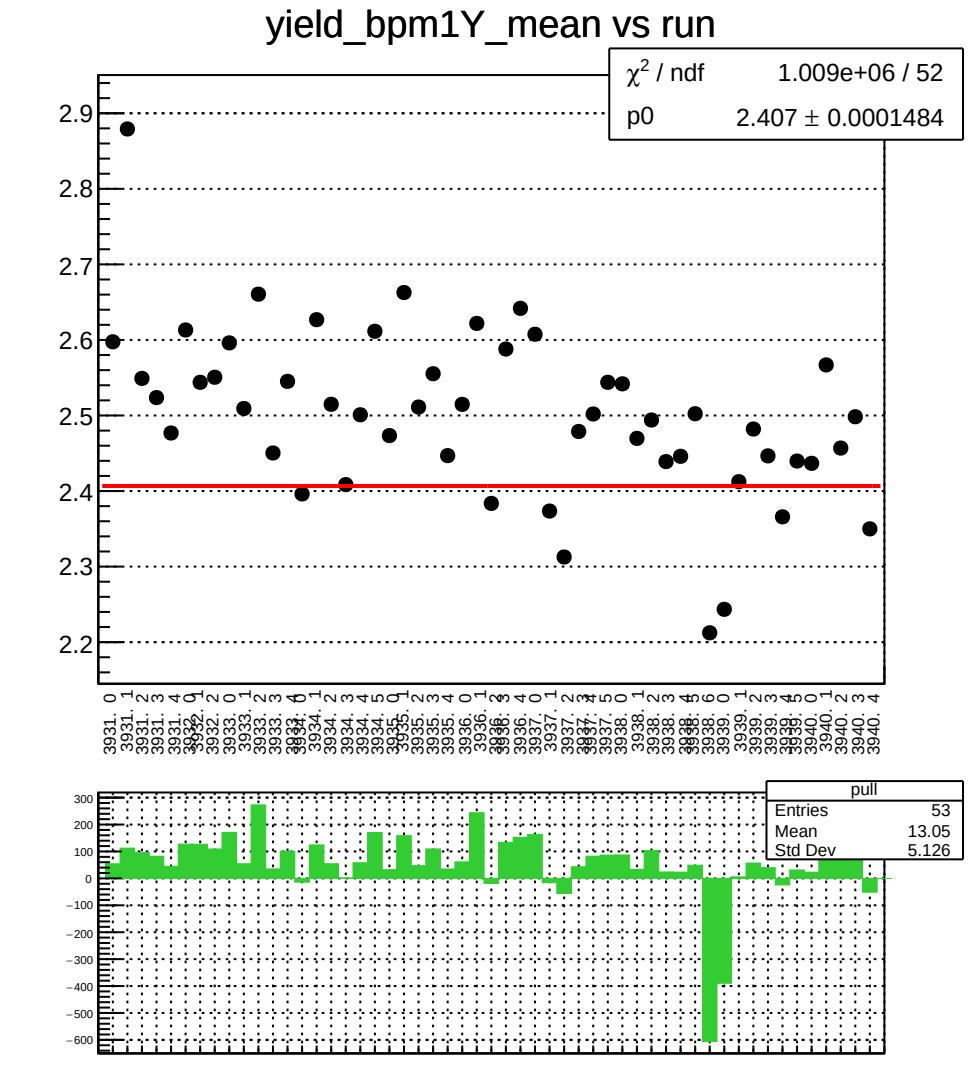

pull1D
Entries 53
Mean −3.837
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

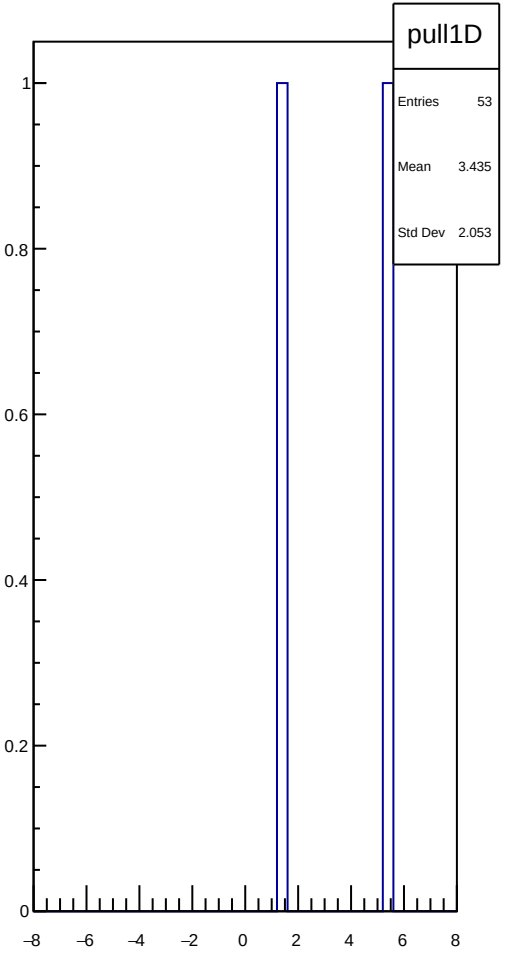

yield_bpm4ecY_rms vs run
χ² / ndf 5.256e+04 / 52
p0 0.00989 ± 9.998e–06
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

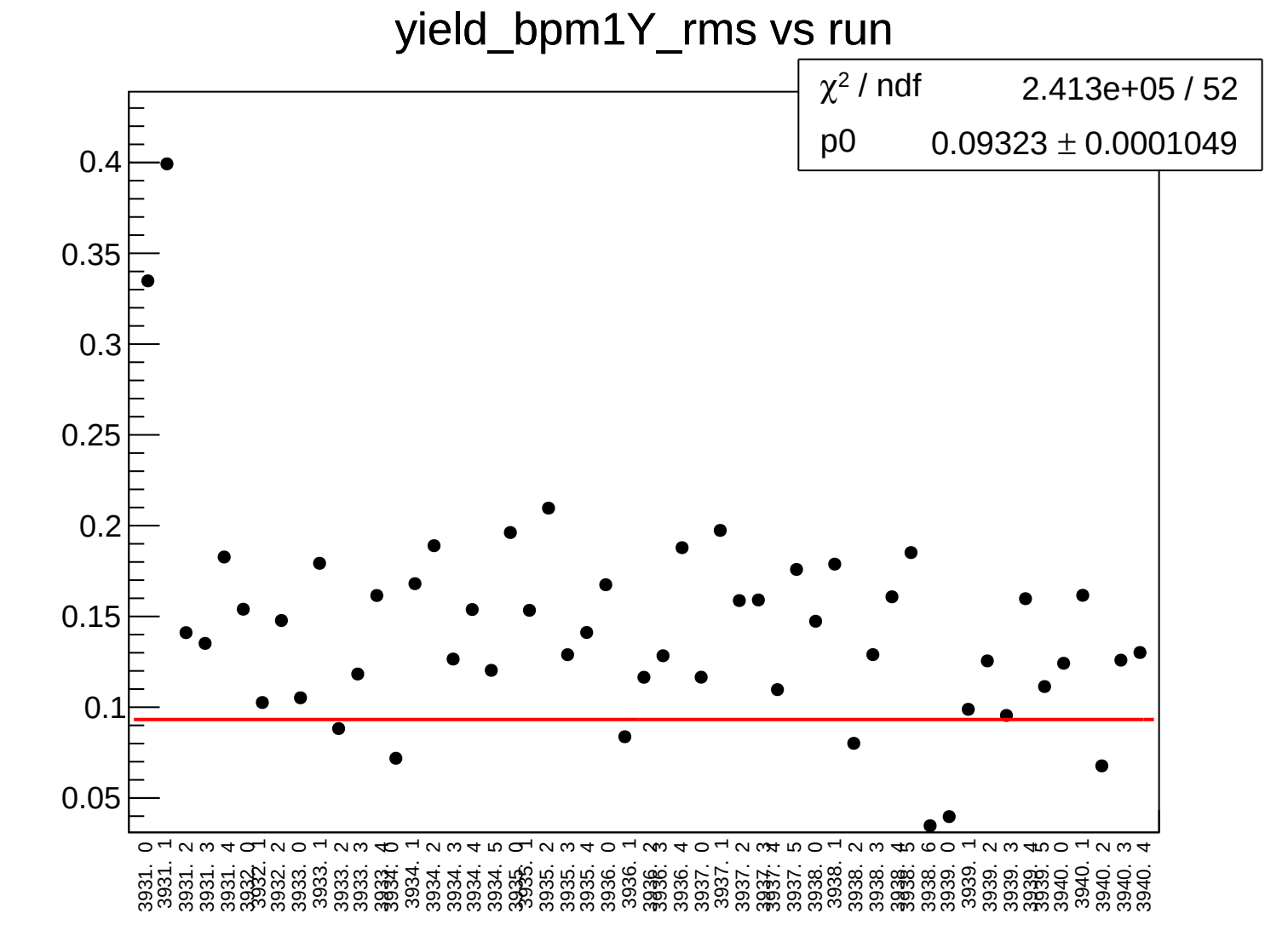

yield_bpm1X_mean vs run
χ² / ndf 1.69e+06 / 52
p0 3.021± 0.0001866
pull
Entries 53
Mean 7.254
Std Dev 6.857

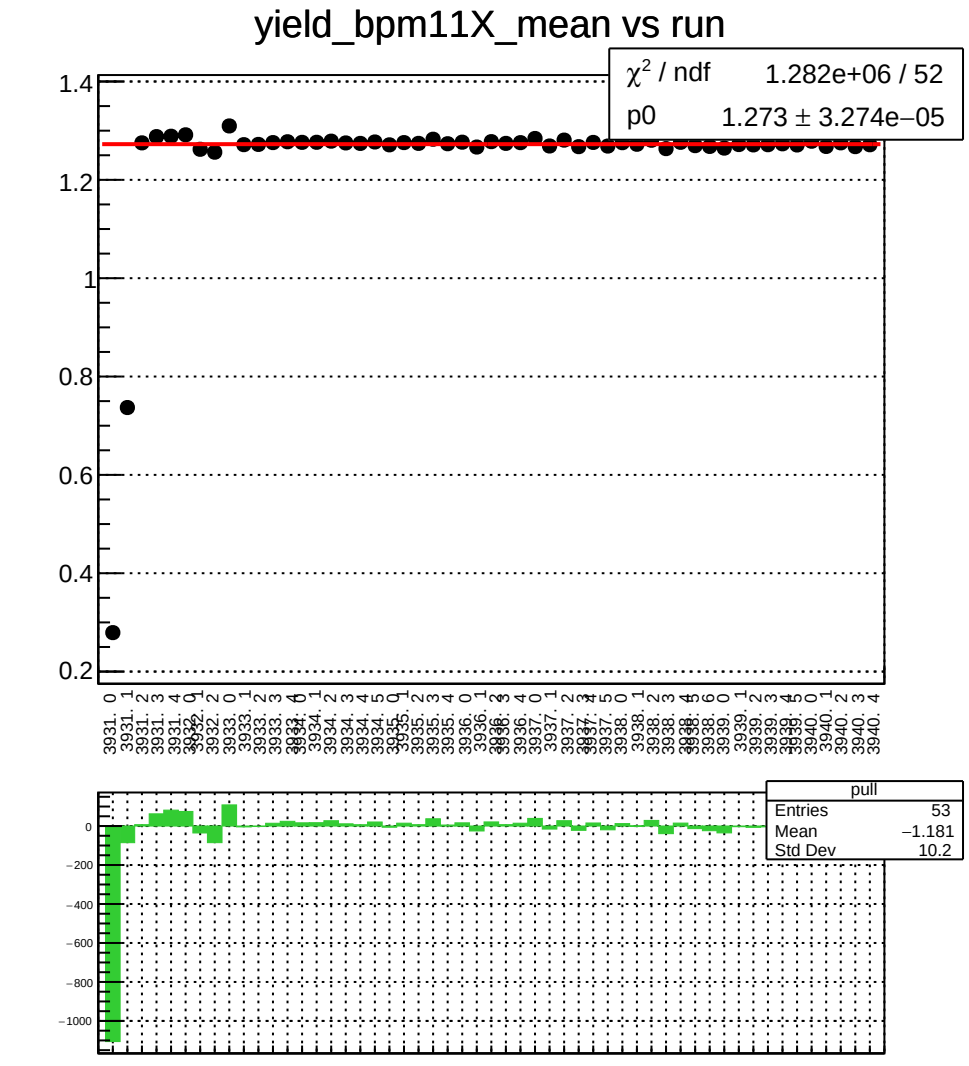

pull1D
Entries 53
Mean 4.74
Std Dev 2.586

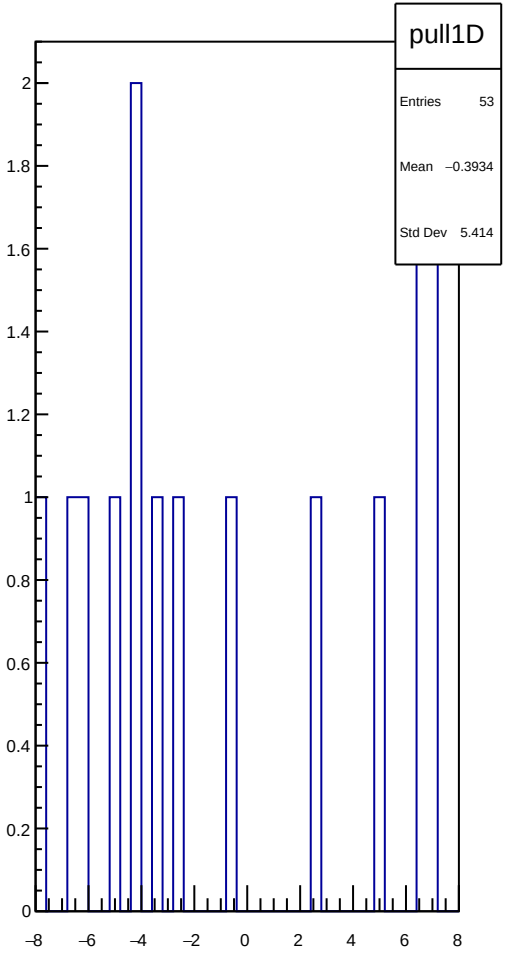

yield_bpm1X_rms vs run
χ² / ndf 2.309e+05 / 52
p0 0.118 ± 0.0001319
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

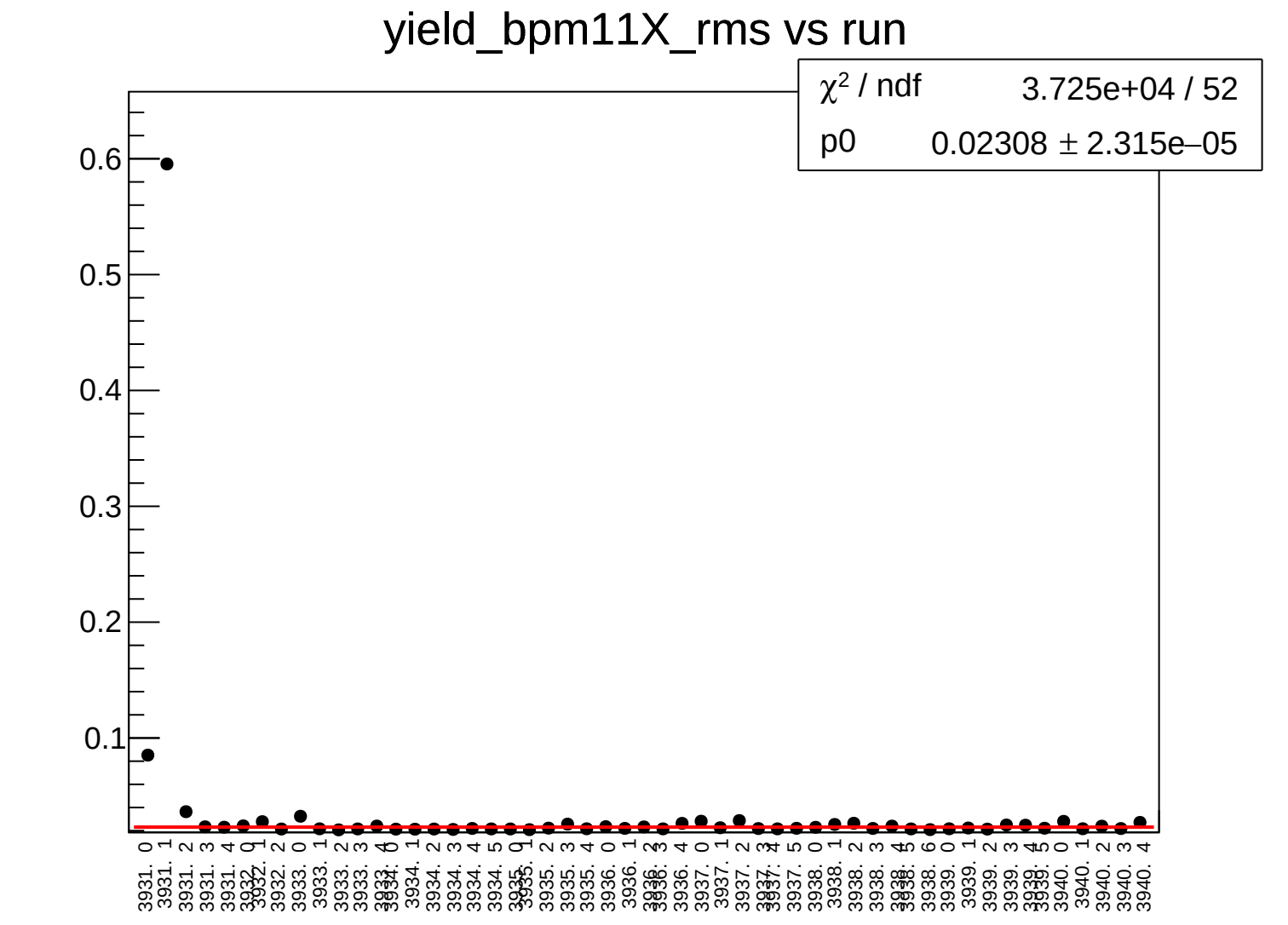

yield_bpm1Y_mean vs run
χ² / ndf 1.009e+06 / 52
p0 2.407 ± 0.0001484
pull
Entries 53
Mean 13.05
Std Dev 5.126

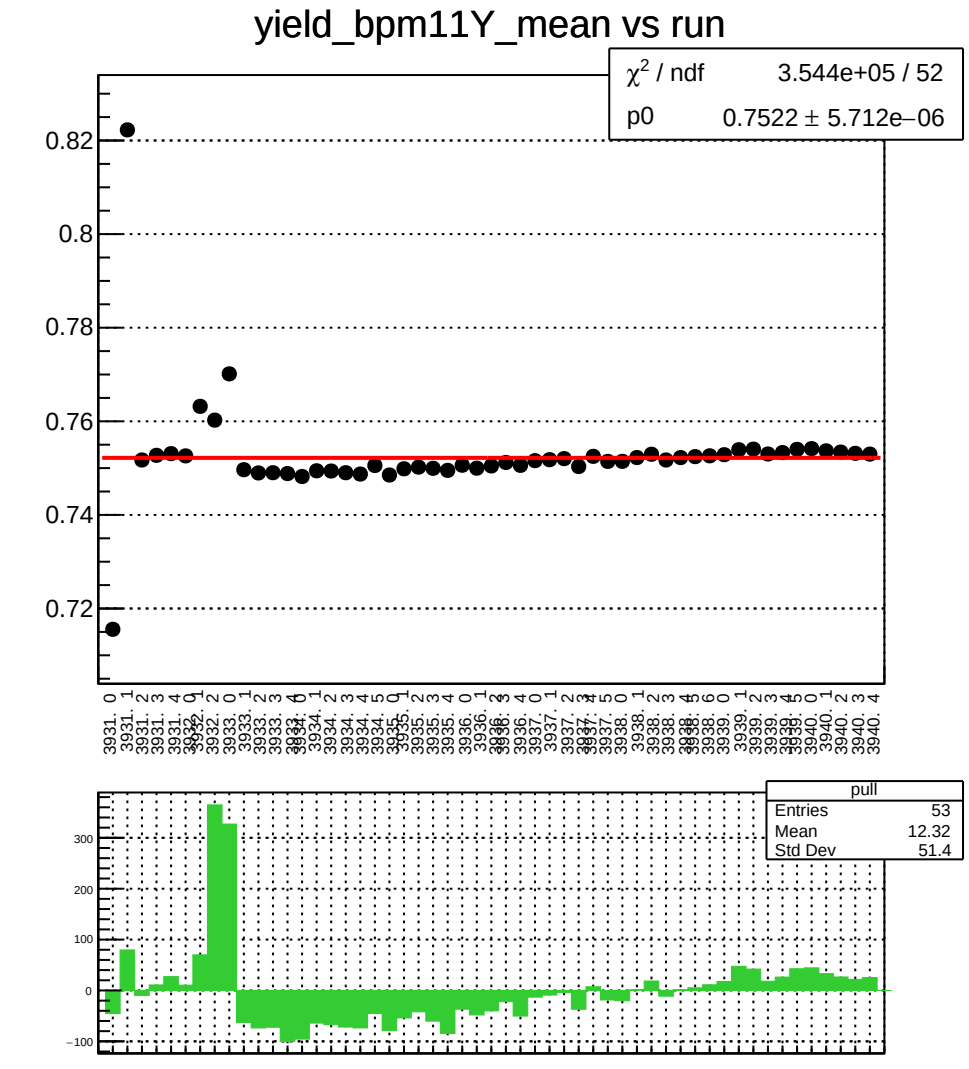

pull1D
Entries 53
Mean 3.435
Std Dev 2.053

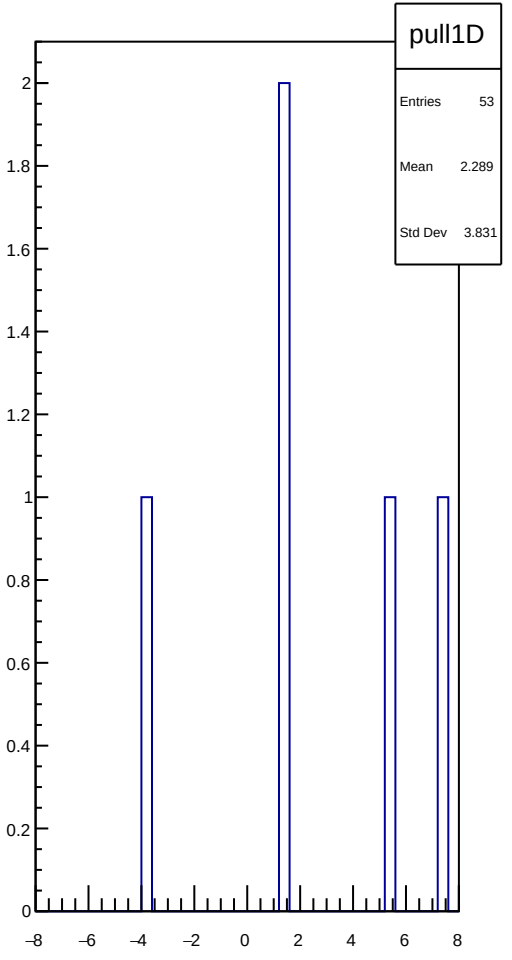

yield_bpm1Y_rms vs run
χ² / ndf 2.413e+05 / 52
p0 0.09323 ± 0.0001049
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

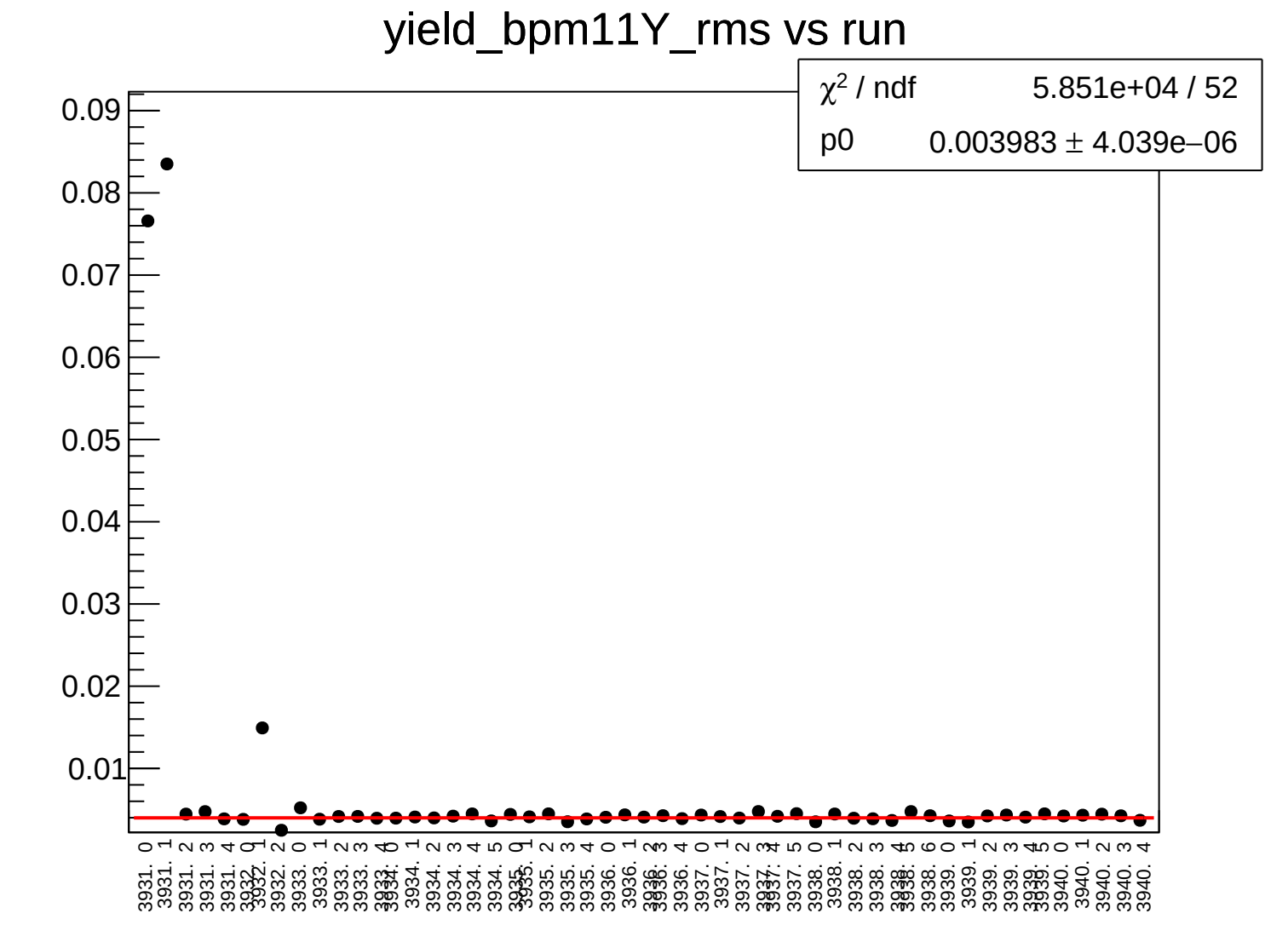

yield_bpm11X_mean vs run
χ² / ndf 1.282e+06 / 52
p0 1.273 ± 3.274e−05
pull
Entries 53
Mean −1.181
Std Dev 10.2

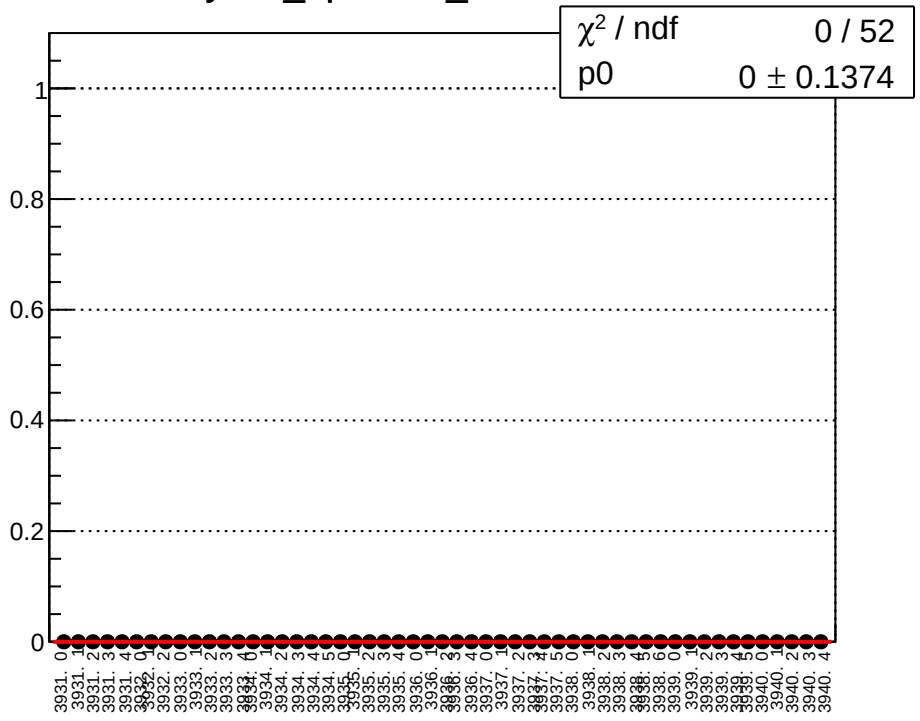

pull1D
Entries 53
Mean −0.3934
Std Dev 5.414

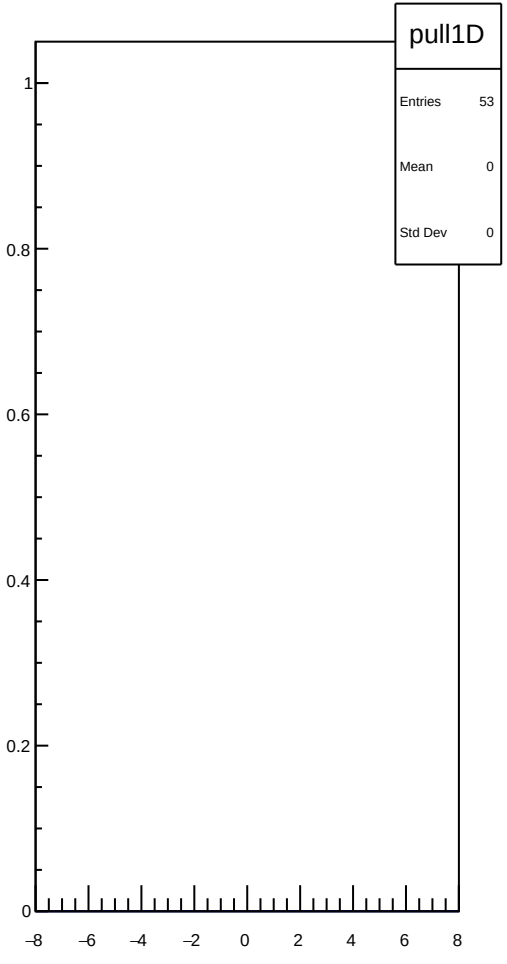

yield_bpm11X_rms vs run
χ² / ndf 3.725e+04 / 52
p0 0.02308 ± 2.315e–05
0.6
0.5
0.4
0.3
0.2
0.1

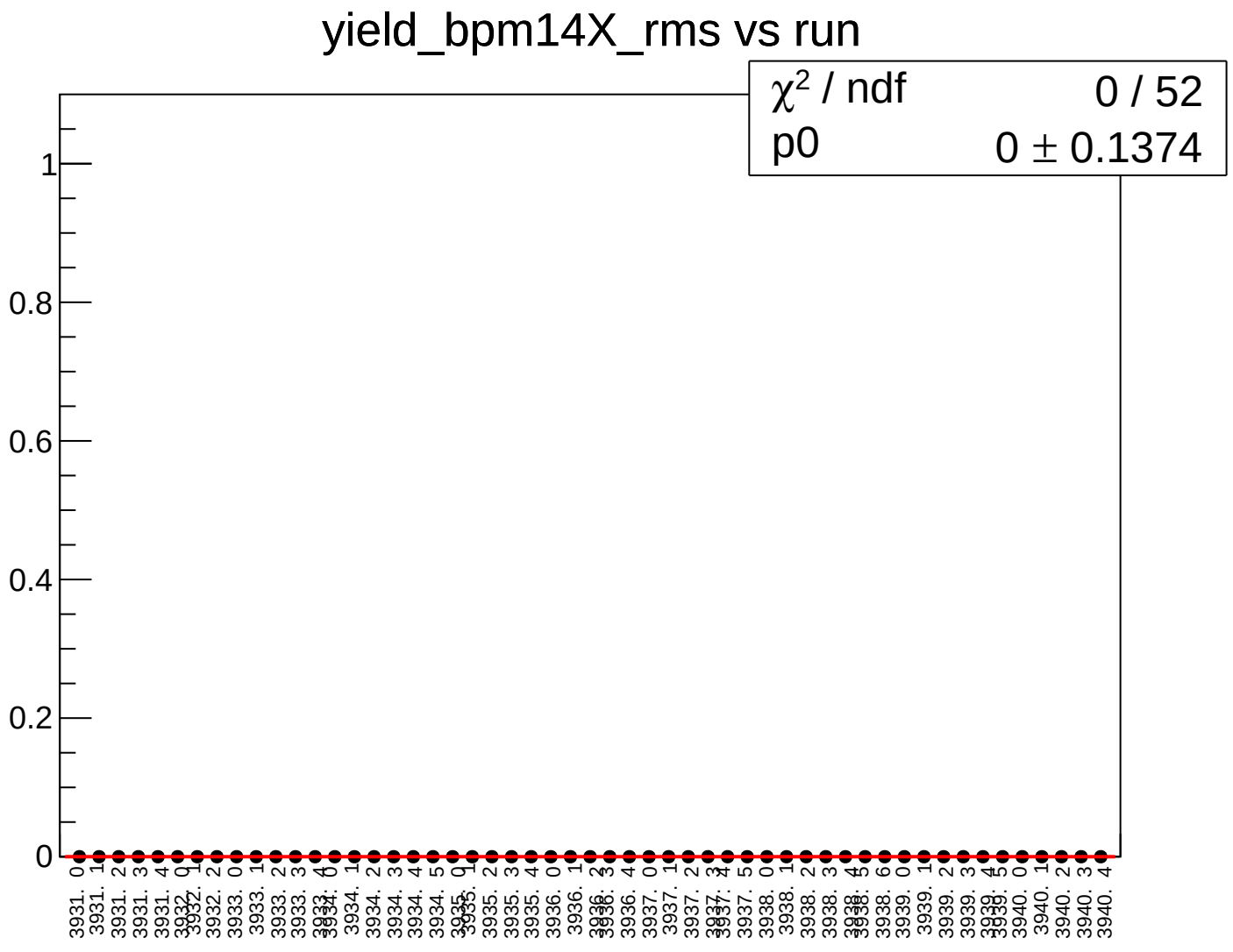

yield_bpm11Y_mean vs run
χ² / ndf 3.544e+05 / 52
p0 0.7522 ± 5.712e−06
0.82
0.8
0.78
0.76
0.74
0.72
pull
Entries 53
Mean 12.32
Std Dev 51.4
300
200
100
0
−100

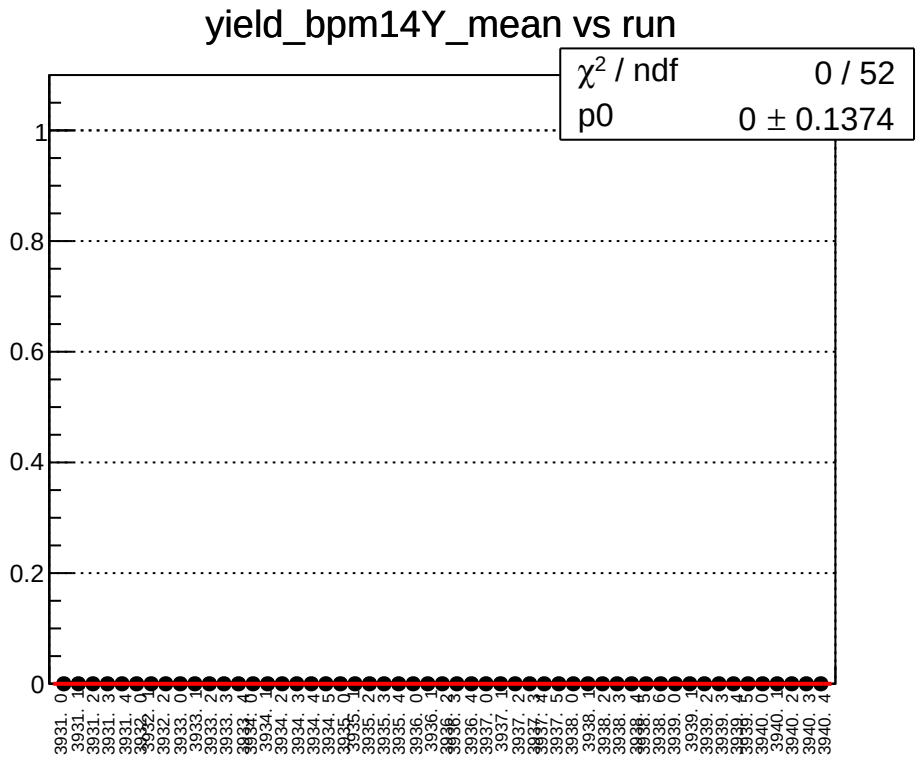

pull1D
Entries 53
Mean 2.289
Std Dev 3.831
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

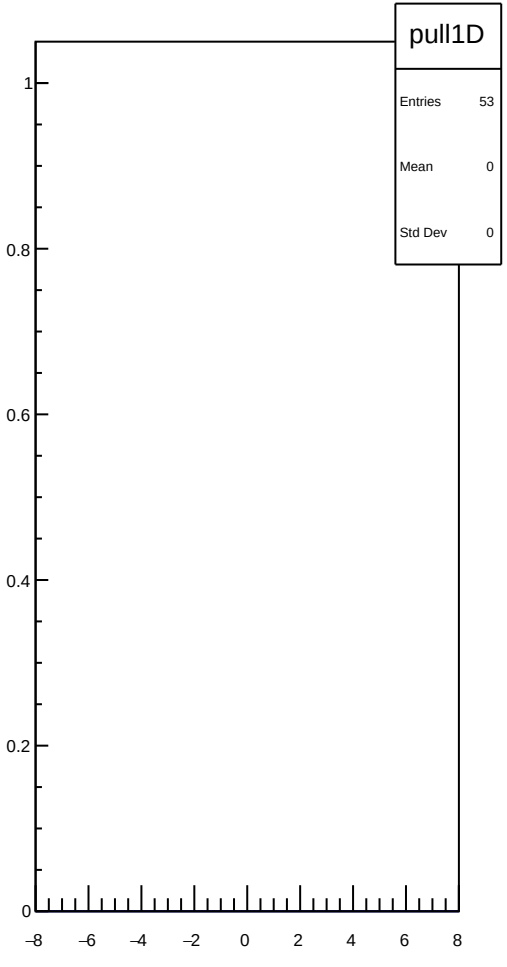

yield_bpm11Y_rms vs run
χ² / ndf 5.851e+04 / 52
p0 0.003983 ± 4.039e−06
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

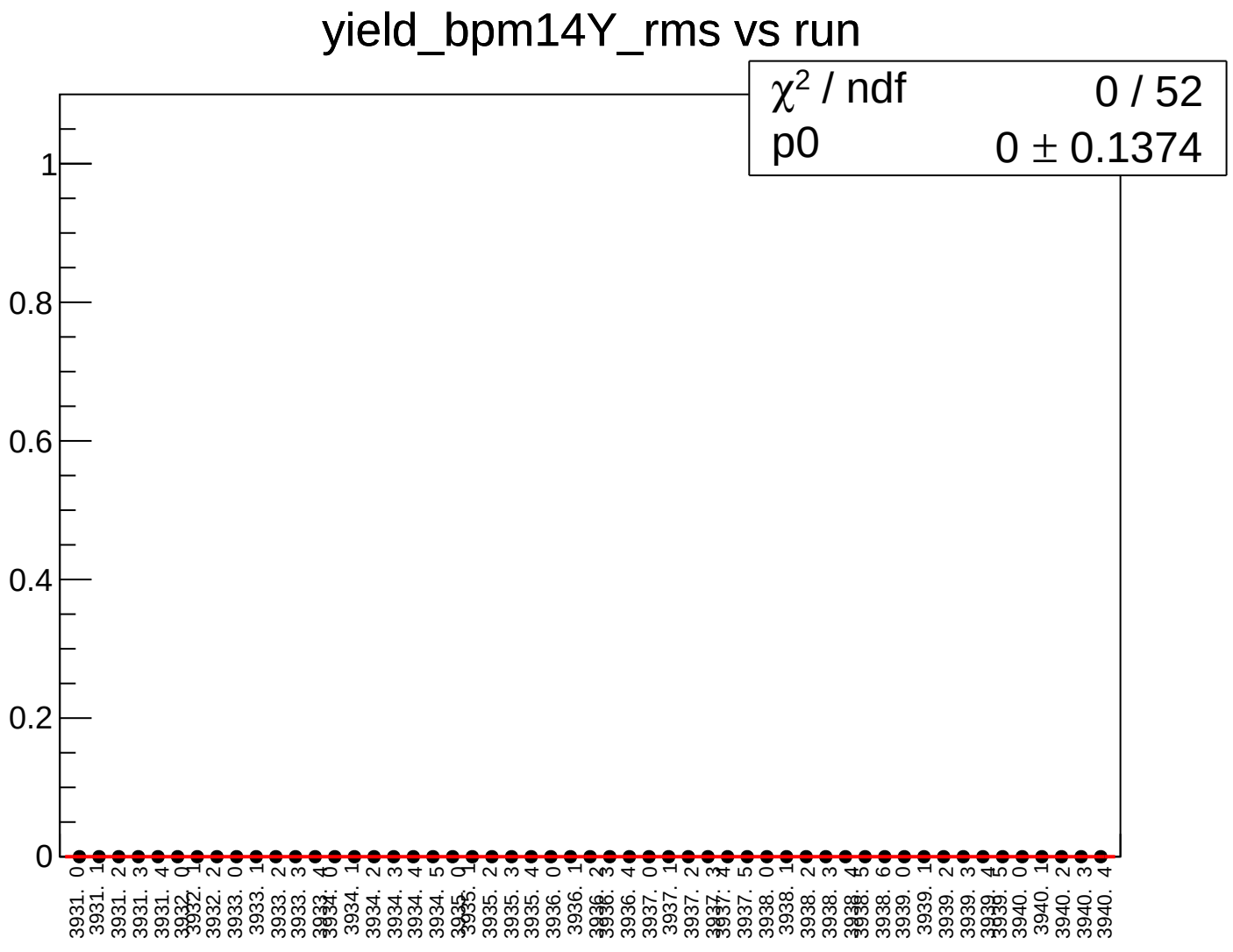

yield_bpm14X_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

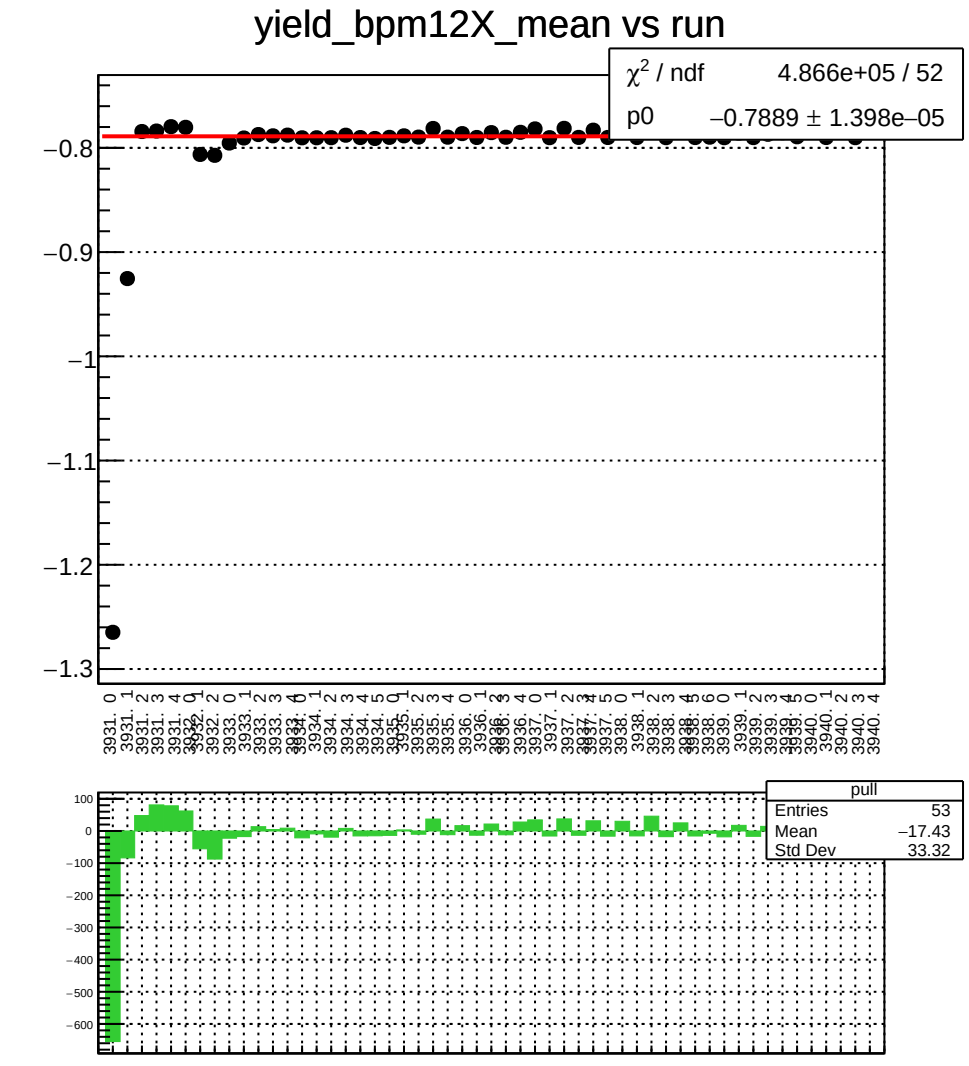

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

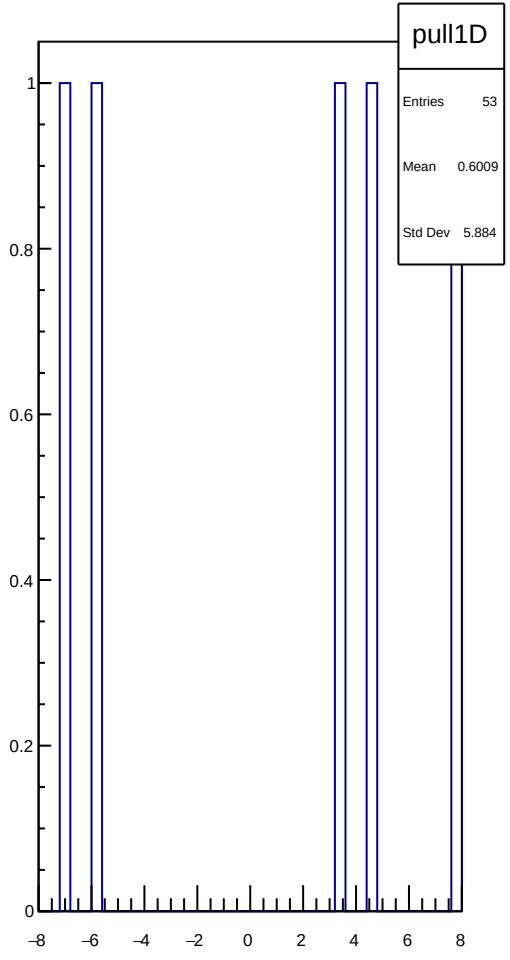

yield_bpm14X_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

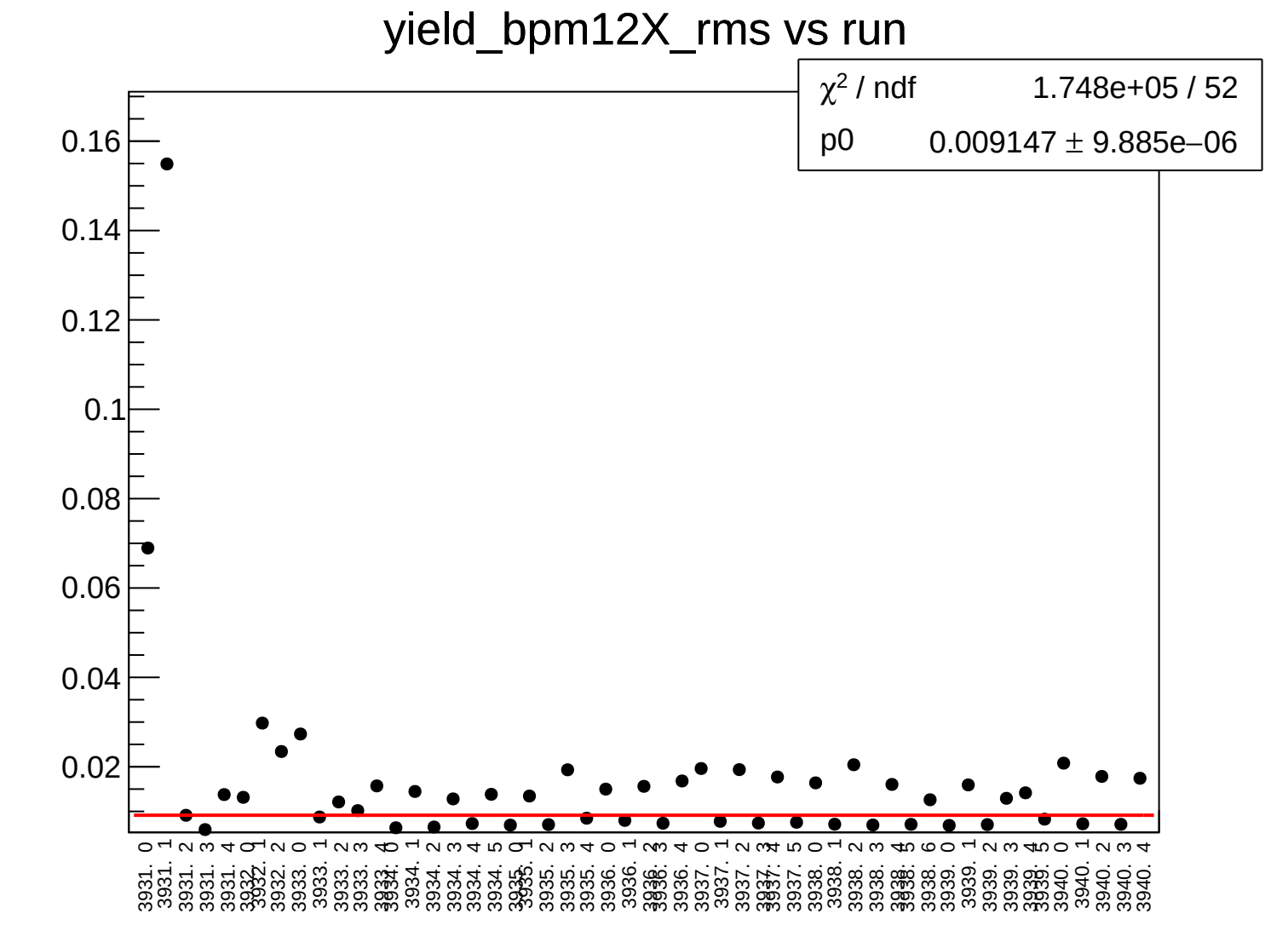

yield_bpm14Y_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

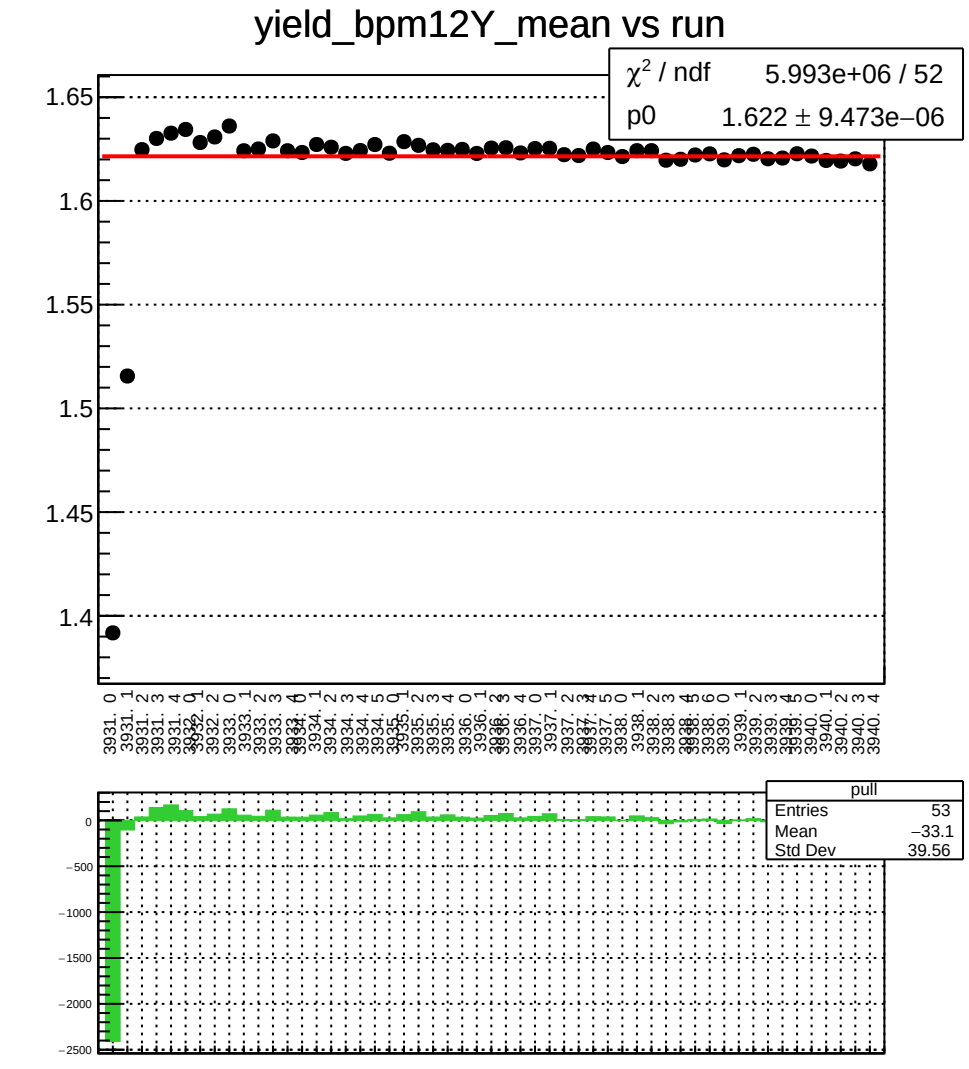

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

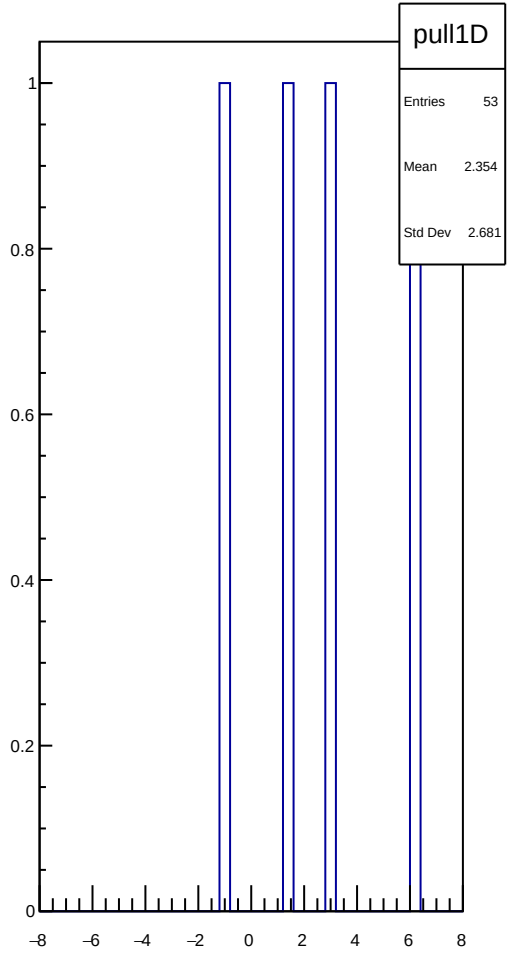

yield_bpm14Y_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

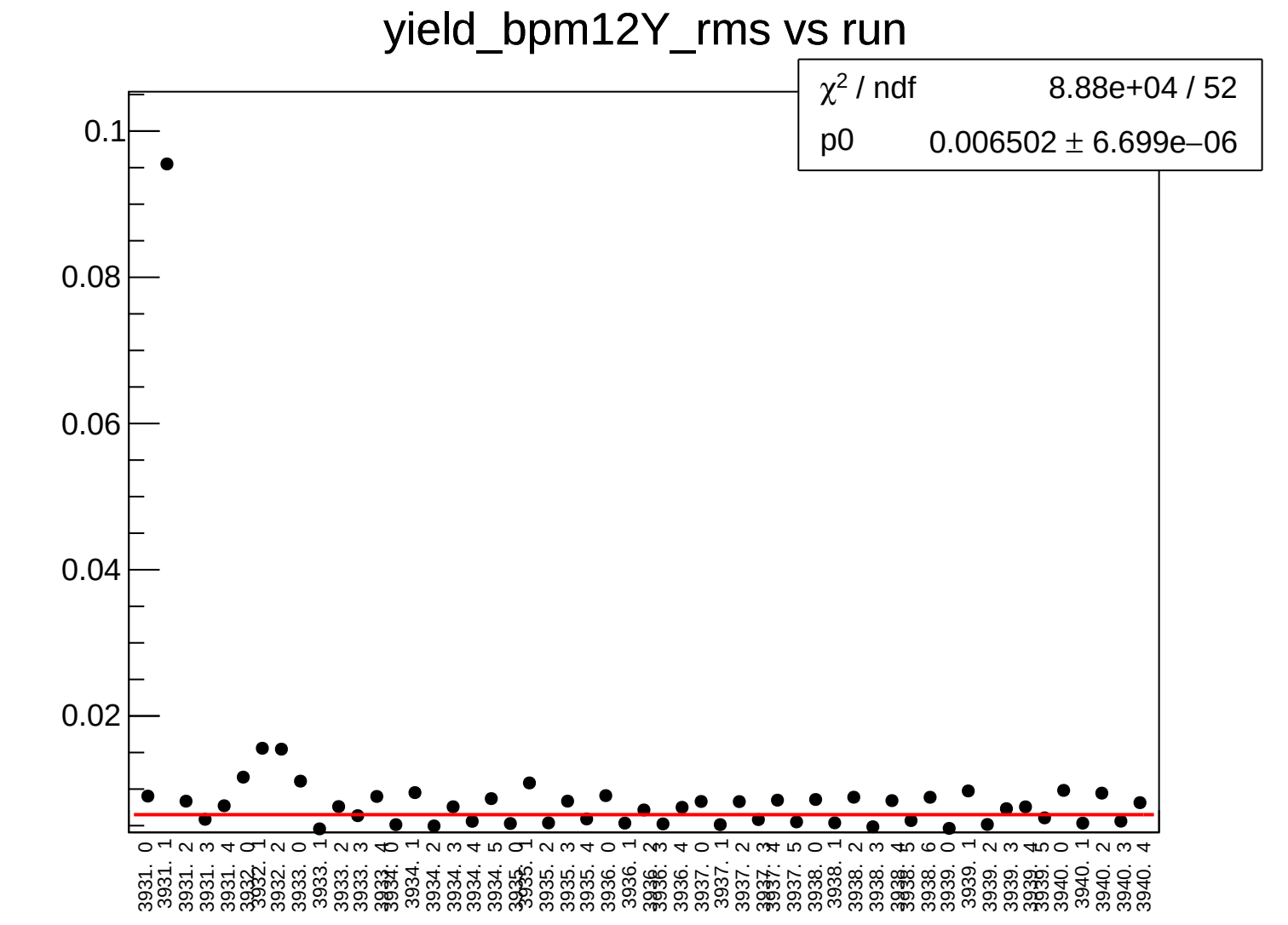

yield_bpm12X_mean vs run
χ² / ndf 4.866e+05 / 52
p0 −0.7889 ± 1.398e−05
pull
Entries 53
Mean −17.43
Std Dev 33.32

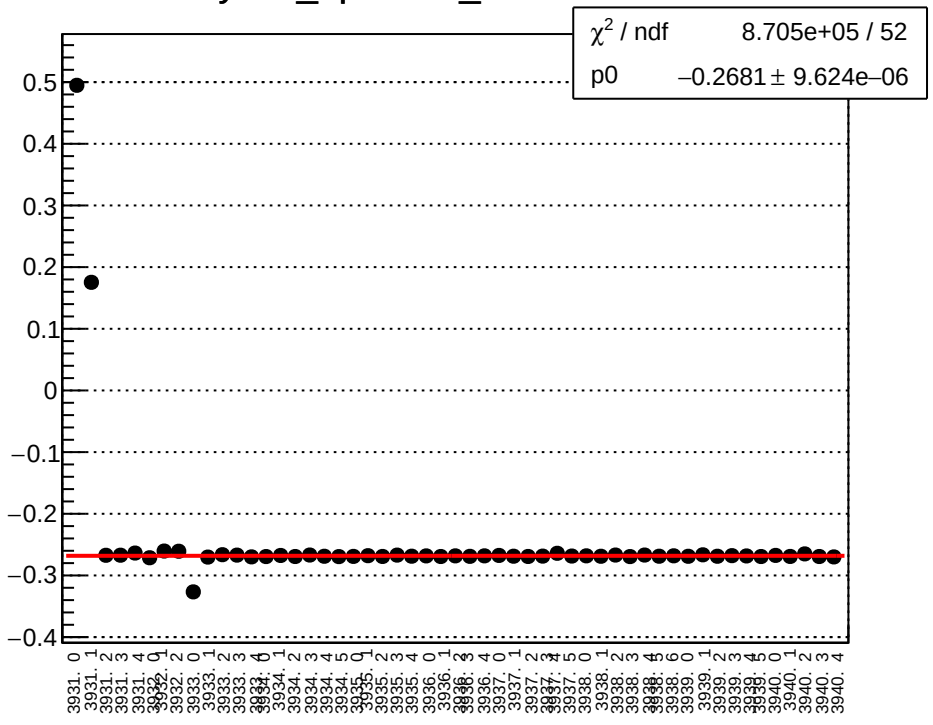

pull1D
Entries 53
Mean 0.6009
Std Dev 5.884

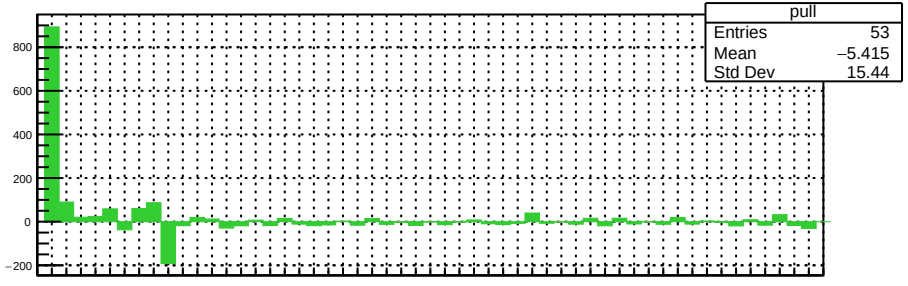

yield_bpm12X_rms vs run
χ² / ndf 1.748e+05 / 52
p0 0.009147 ± 9.885e−06
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

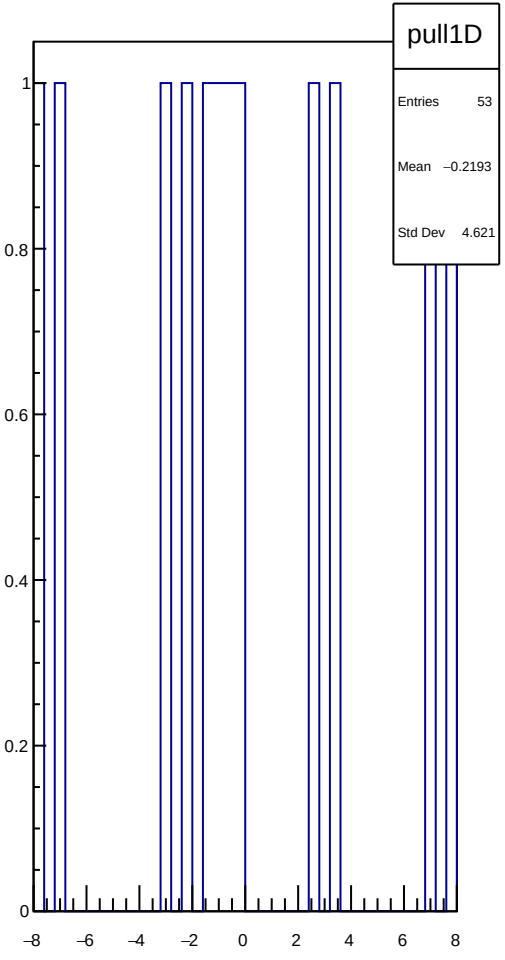

yield_bpm12Y_mean vs run
χ² / ndf 5.993e+06 / 52
p0 1.622 ± 9.473e−06
pull
Entries 53
Mean −33.1
Std Dev 39.56

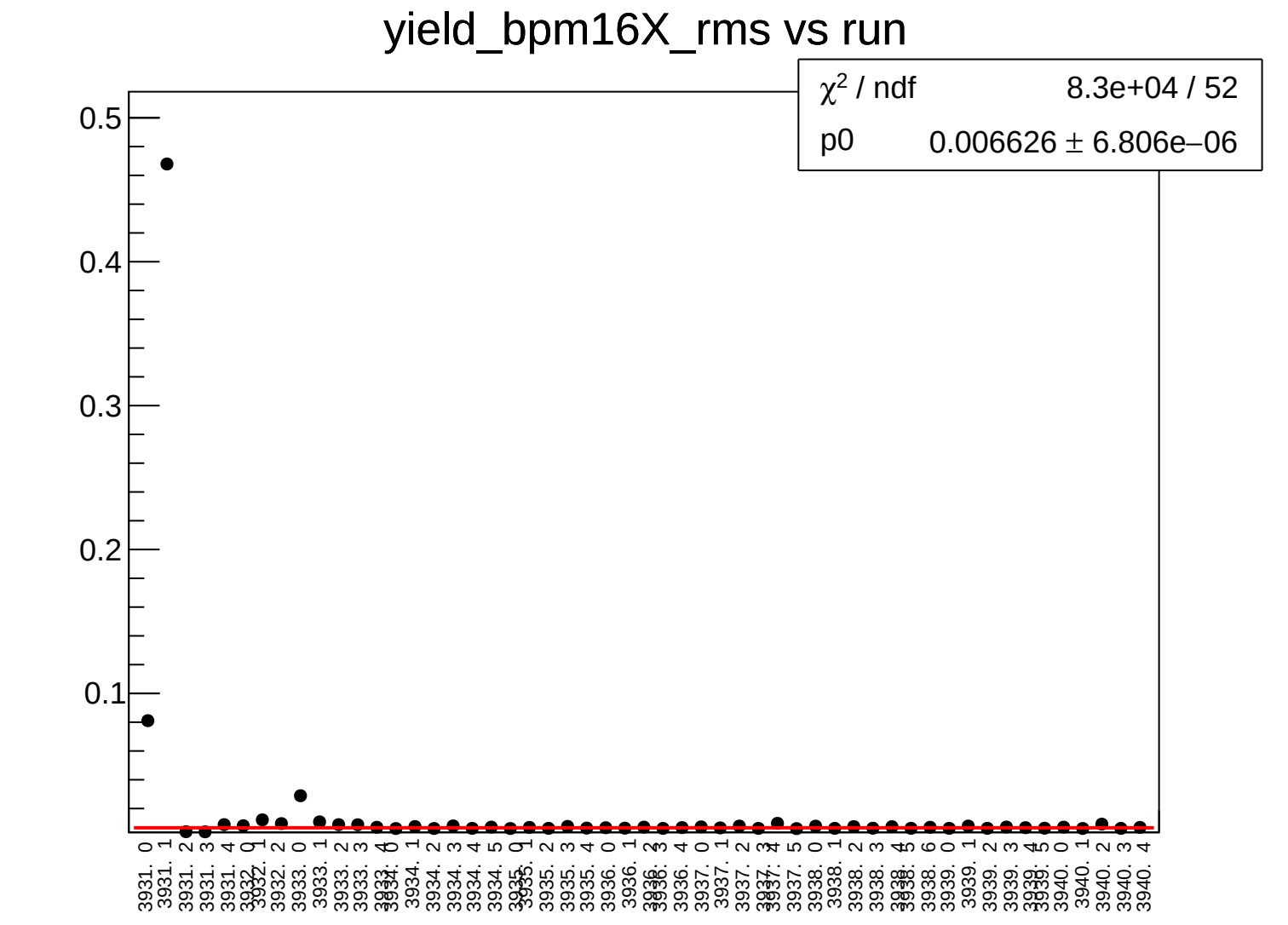

pull1D
Entries 53
Mean 2.354
Std Dev 2.681

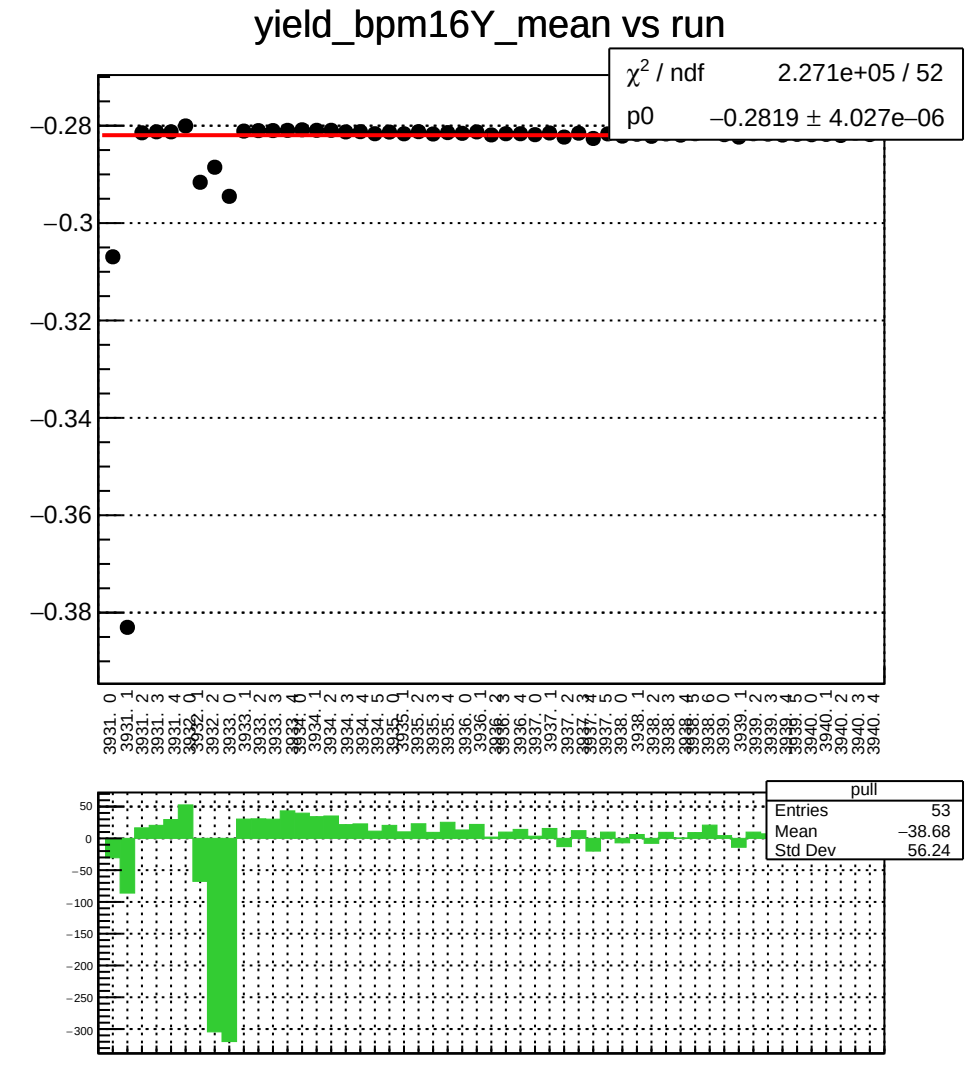

yield_bpm12Y_rms vs run
χ^2 / ndf 8.88e+04 / 52
p0 0.006502 ± 6.699e−06
0.1
0.08
0.06
0.04
0.02
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

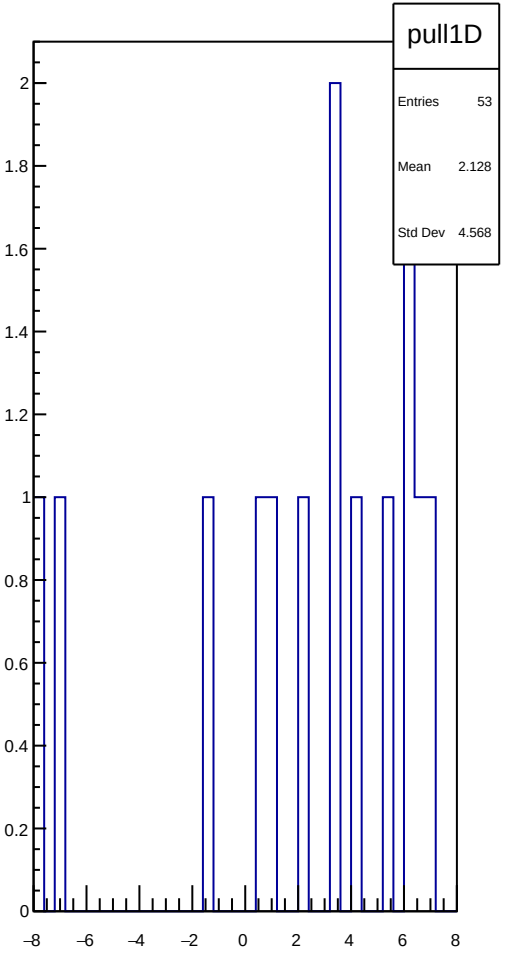

yield_bpm16X_mean vs run
χ² / ndf 8.705e+05 / 52
p0 −0.2681 ± 9.624e−06

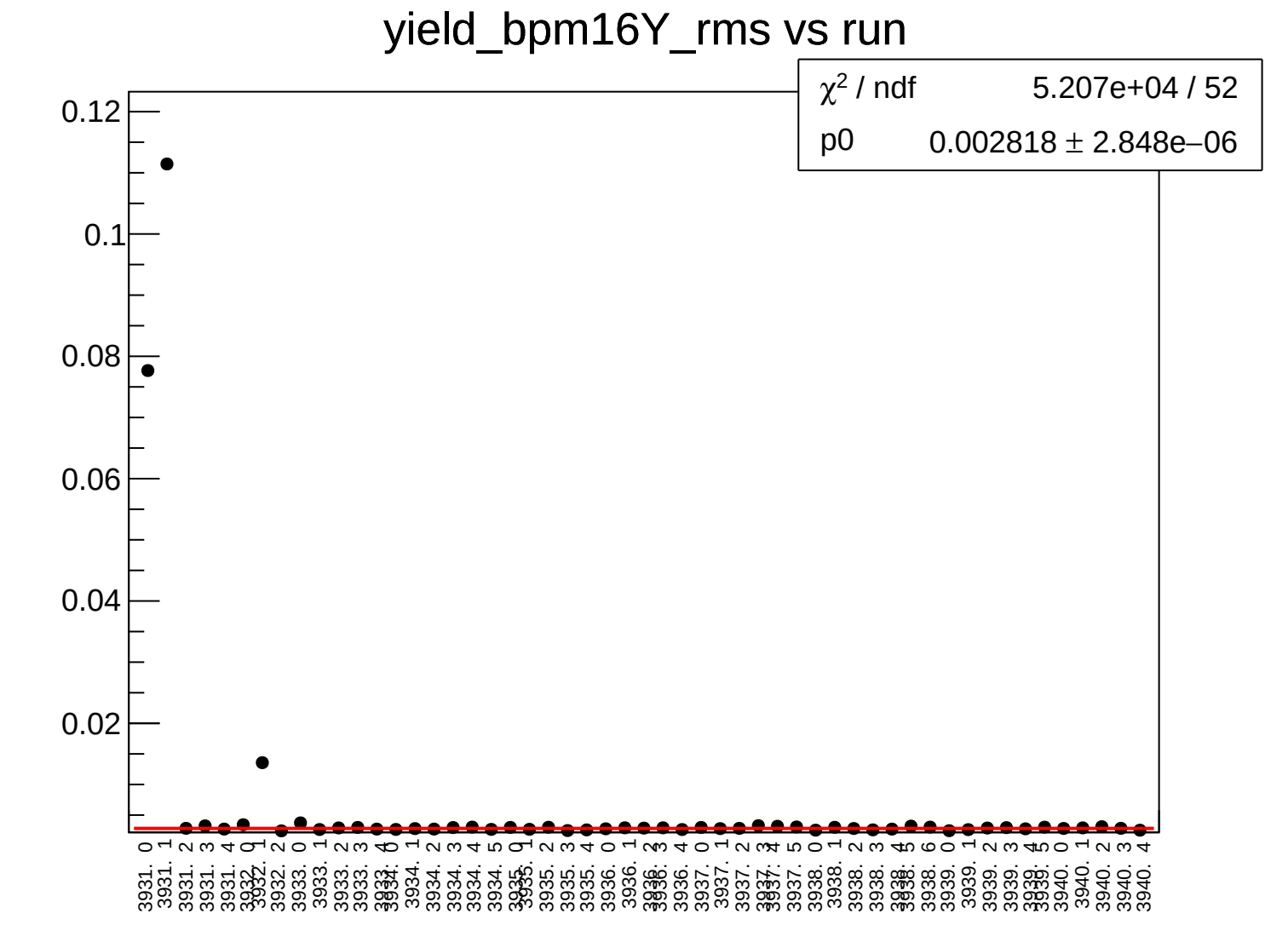

pull
Entries 53
Mean −5.415
Std Dev 15.44

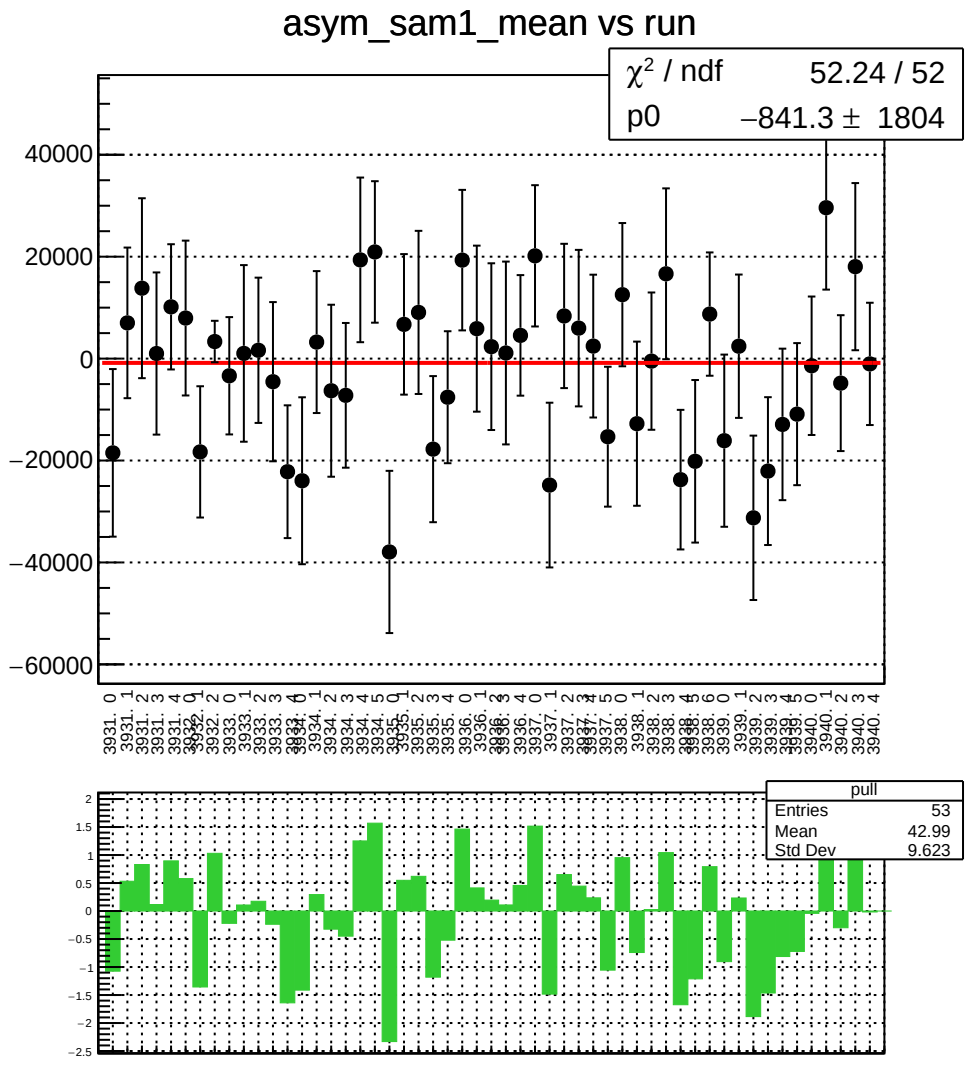

pull1D
Entries 53
Mean −0.2193
Std Dev 4.621

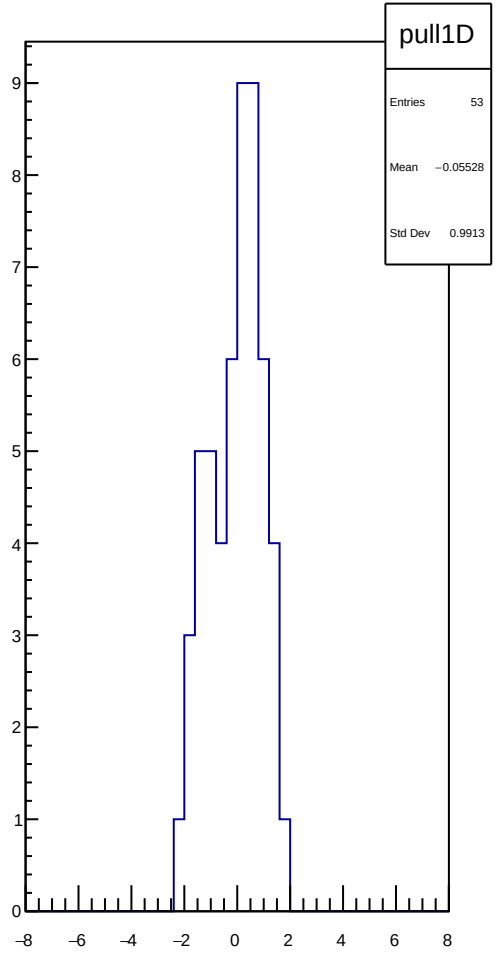

yield_bpm16X_rms vs run
χ² / ndf 8.3e+04 / 52
p0 0.006626 ± 6.806e−06
0.5
0.4
0.3
0.2
0.1

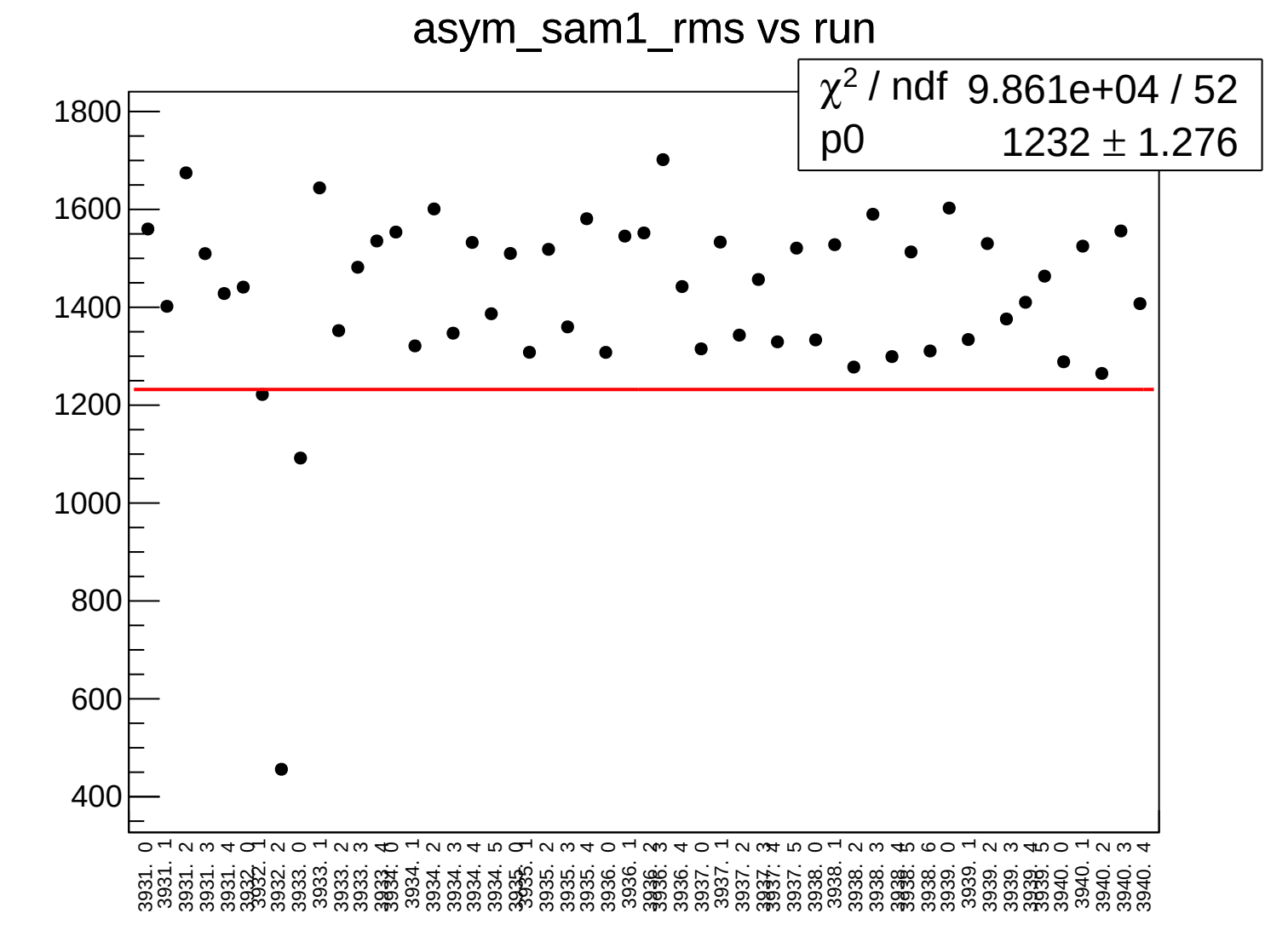

yield_bpm16Y_mean vs run
χ² / ndf 2.271e+05 / 52
p0 −0.2819 ± 4.027e−06
−0.28
−0.3
−0.32
−0.34
−0.36
−0.38
pull
Entries 53
Mean −38.68
Std Dev 56.24
50
0
−50
−100
−150
−200
−250
−300

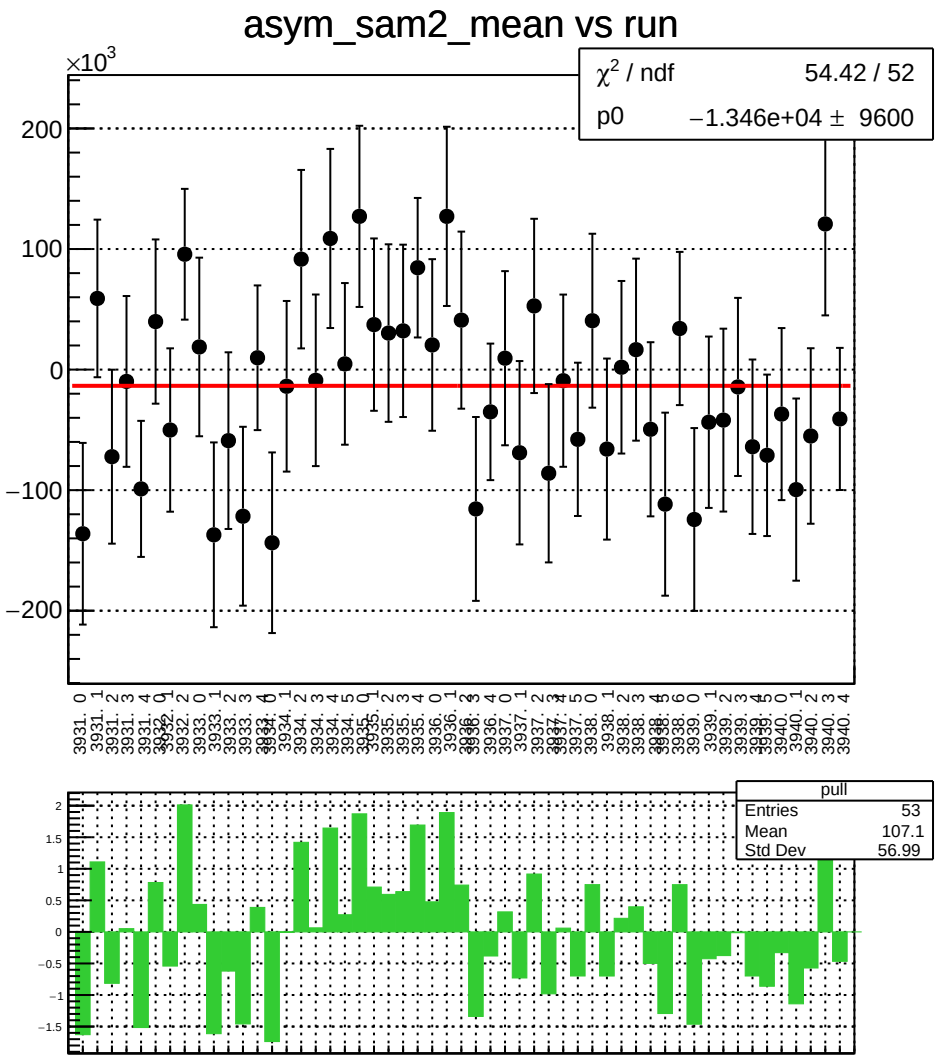

pull1D
Entries 53
Mean 2.128
Std Dev 4.568
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

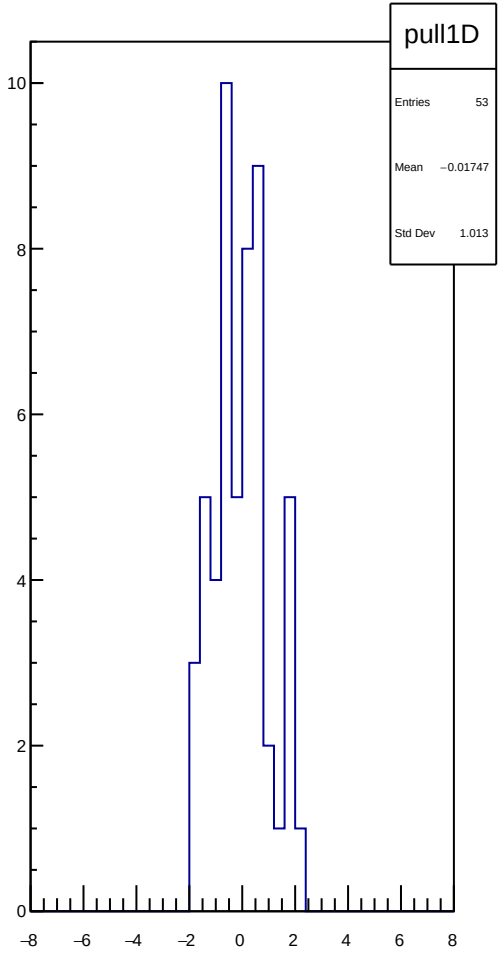

yield_bpm16Y_rms vs run
χ² / ndf 5.207e+04 / 52
p0 0.002818 ± 2.848e−06
0.12
0.1
0.08
0.06
0.04
0.02

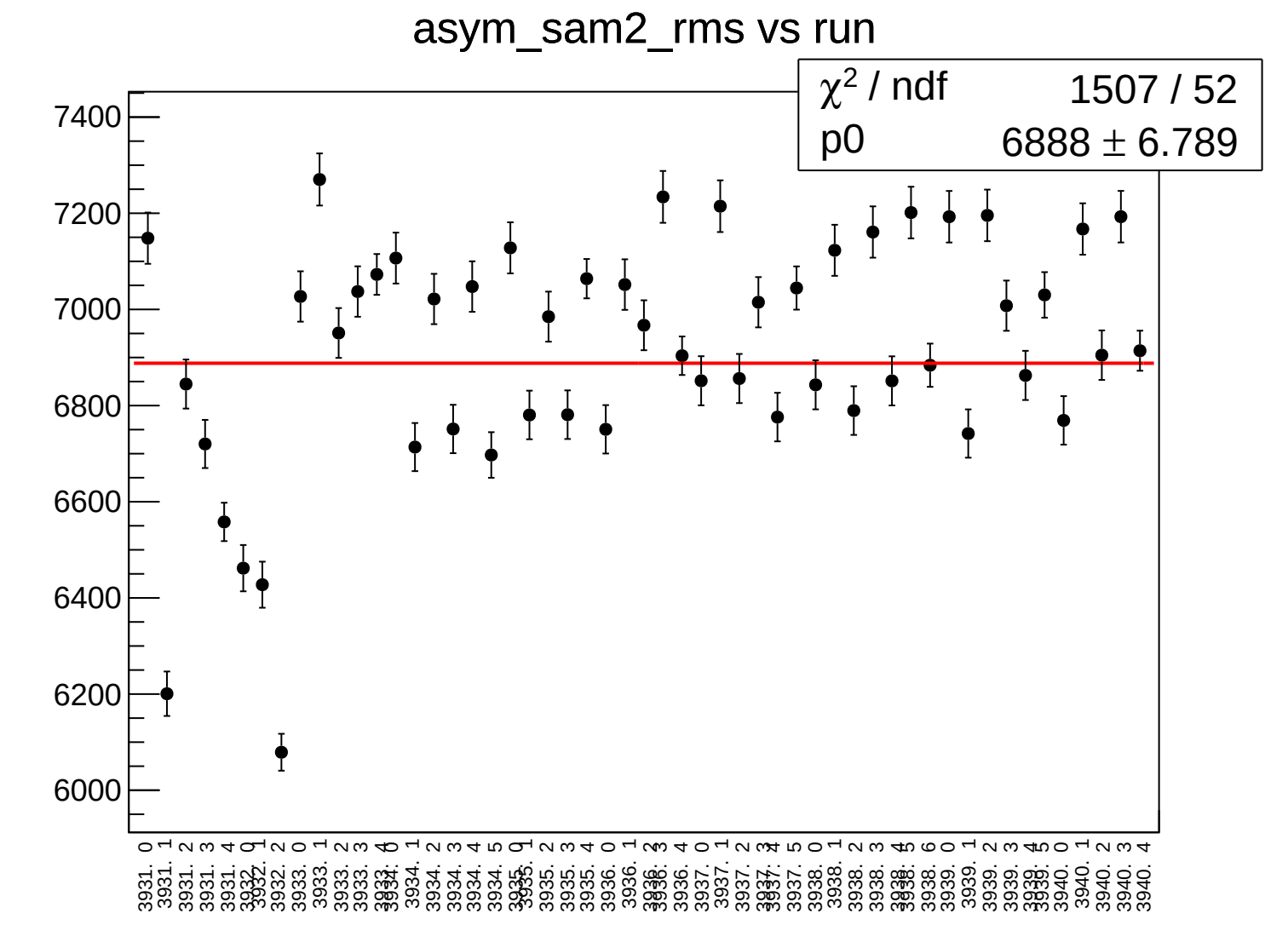

asym_sam1_mean vs run
χ² / ndf 52.24 / 52
p0 −841.3 ± 1804
pull
Entries 53
Mean 42.99
Std Dev 9.623

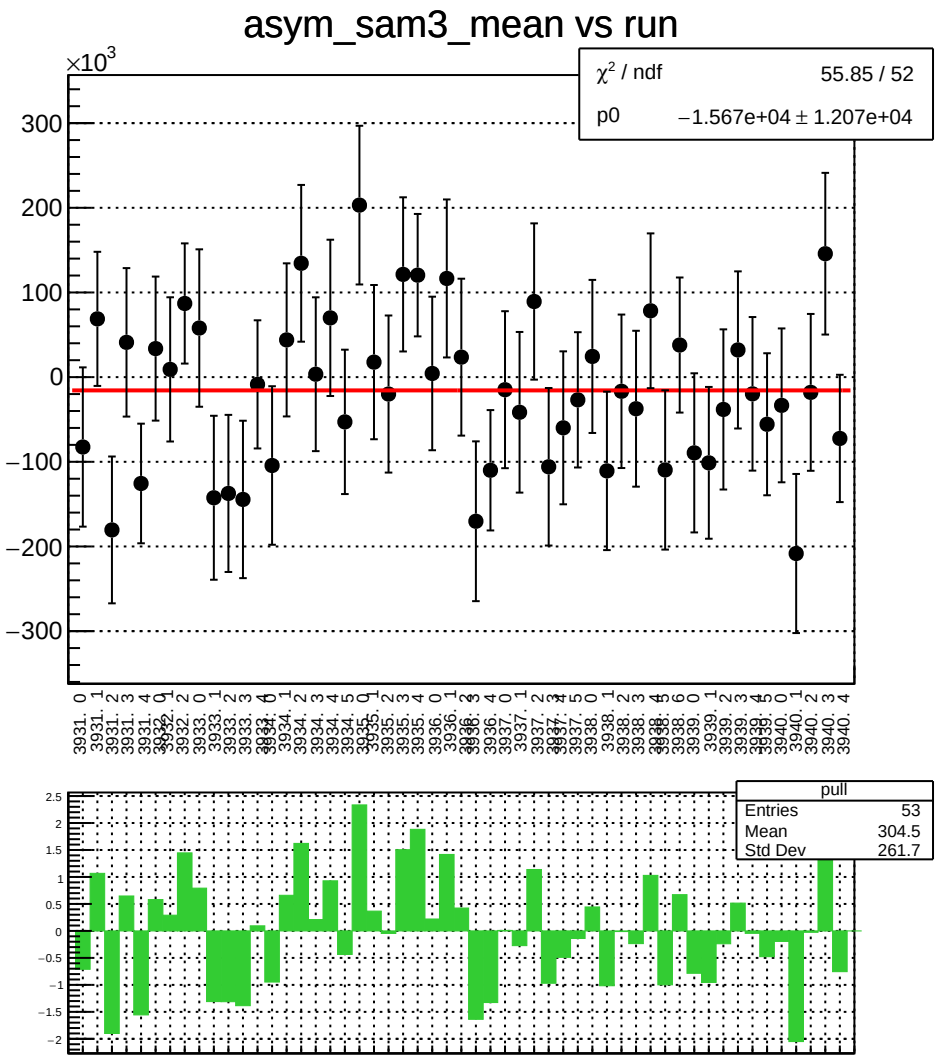

pull1D
Entries 53
Mean −0.05528
Std Dev 0.9913

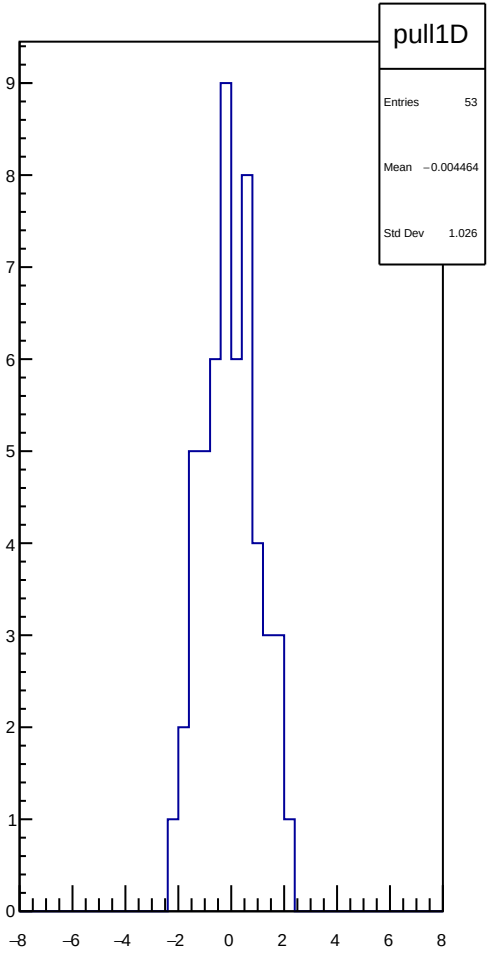

asym_sam1_rms vs run
χ^2 / ndf 9.861e+04 / 52
p0 1232 ± 1.276
1800
1600
1400
1200
1000
800
600
400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

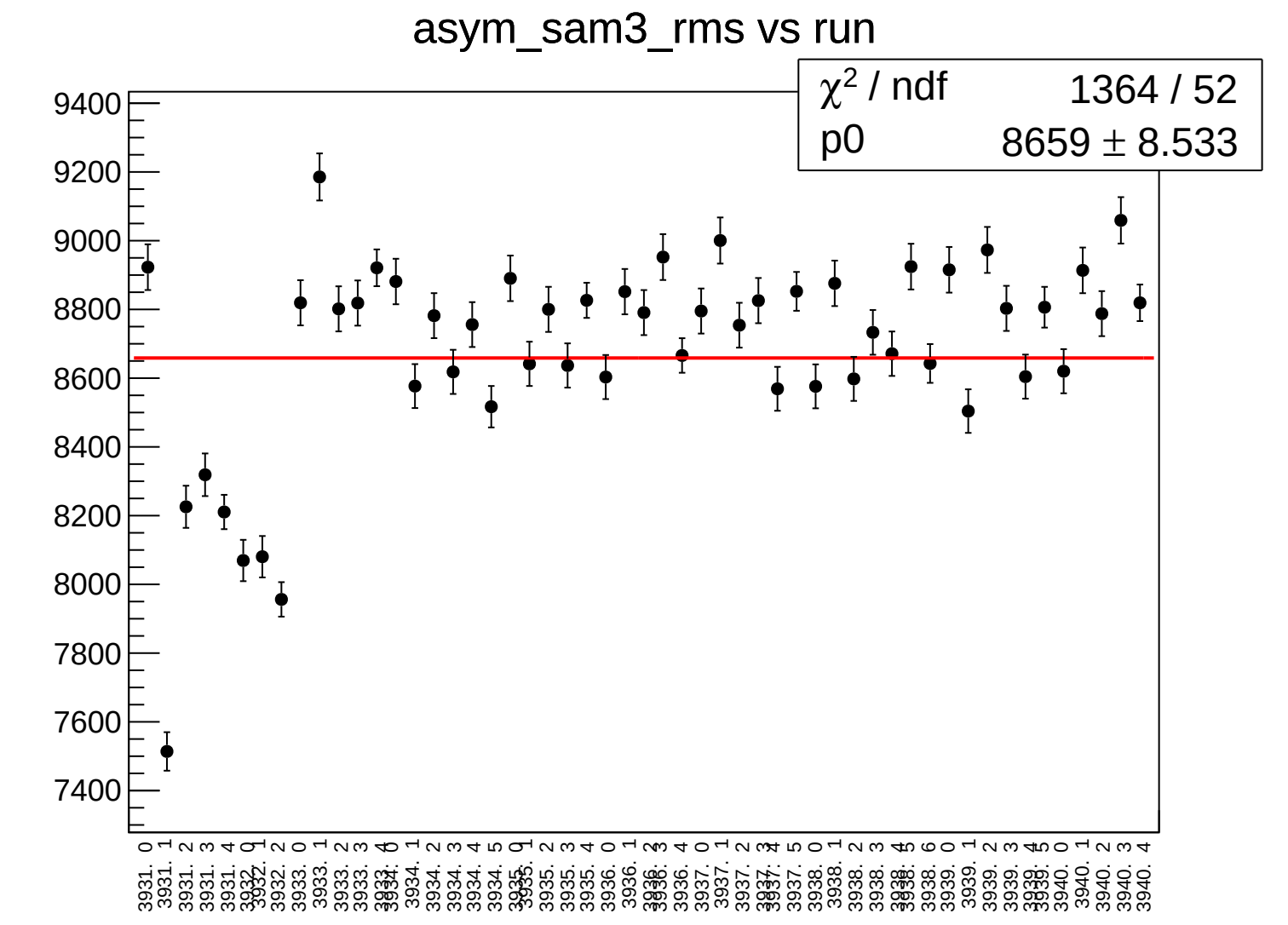

asym_sam2_mean vs run
×10^3
χ² / ndf 54.42 / 52
p0 −1.346e+04 ± 9600
200
100
0
−100
−200
pull
Entries 53
Mean 107.1
Std Dev 56.99
2
1.5
1
0.5
0
−0.5
−1
−1.5

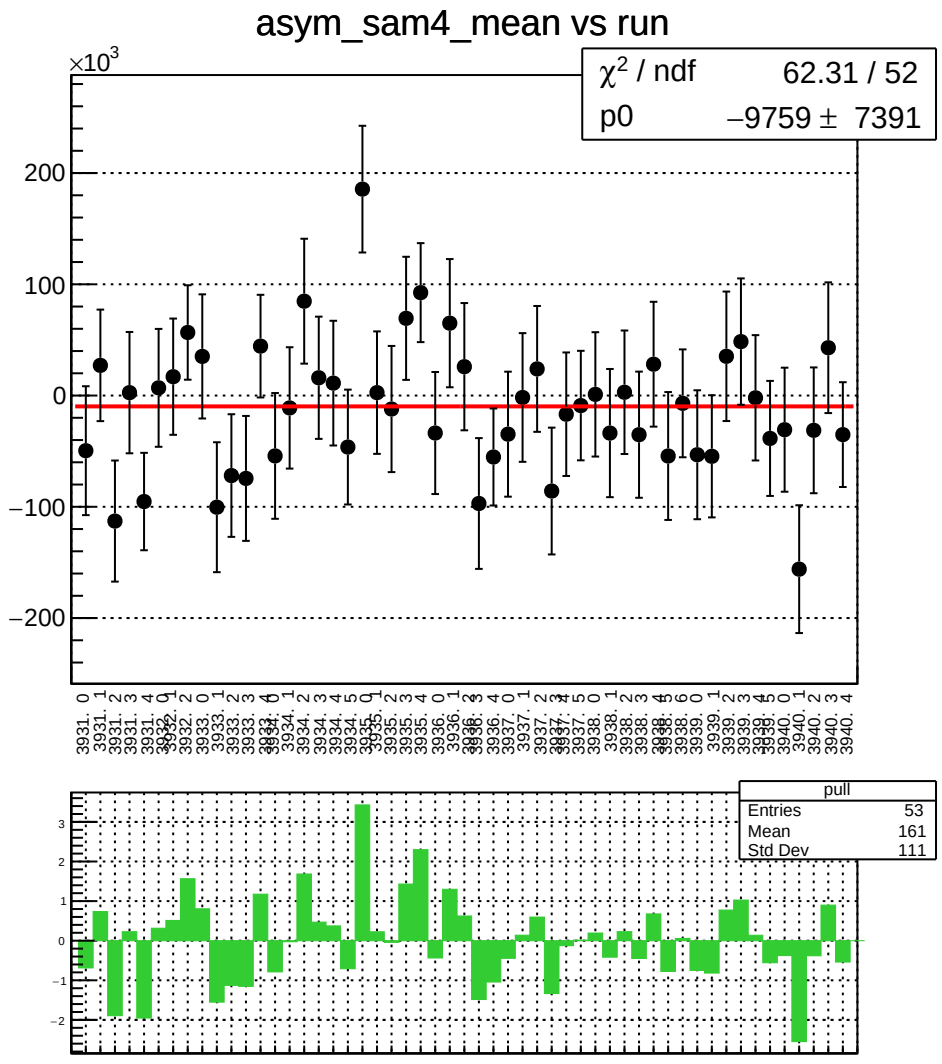

pull1D
Entries 53
Mean −0.01747
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

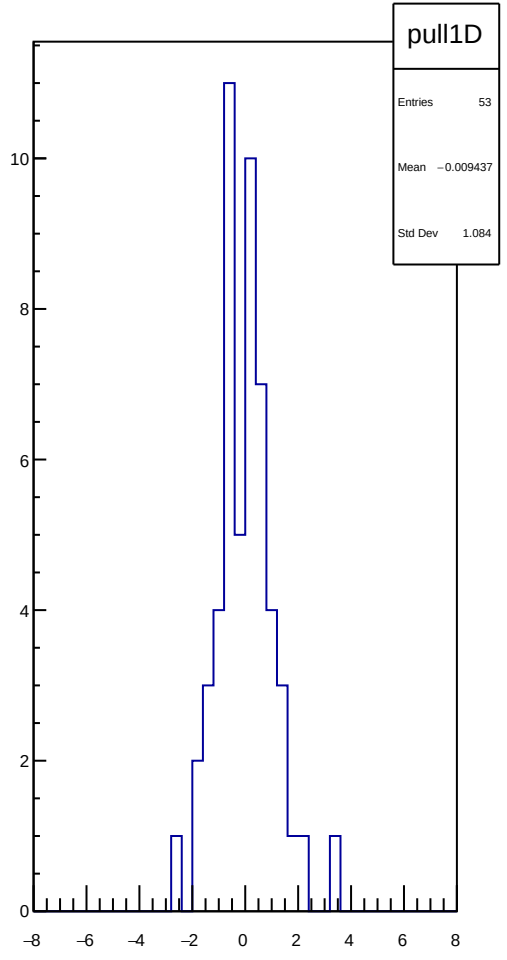

asym_sam2_rms vs run
χ² / ndf 1507 / 52
p0 6888 ± 6.789
7400
7200
7000
6800
6600
6400
6200
6000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

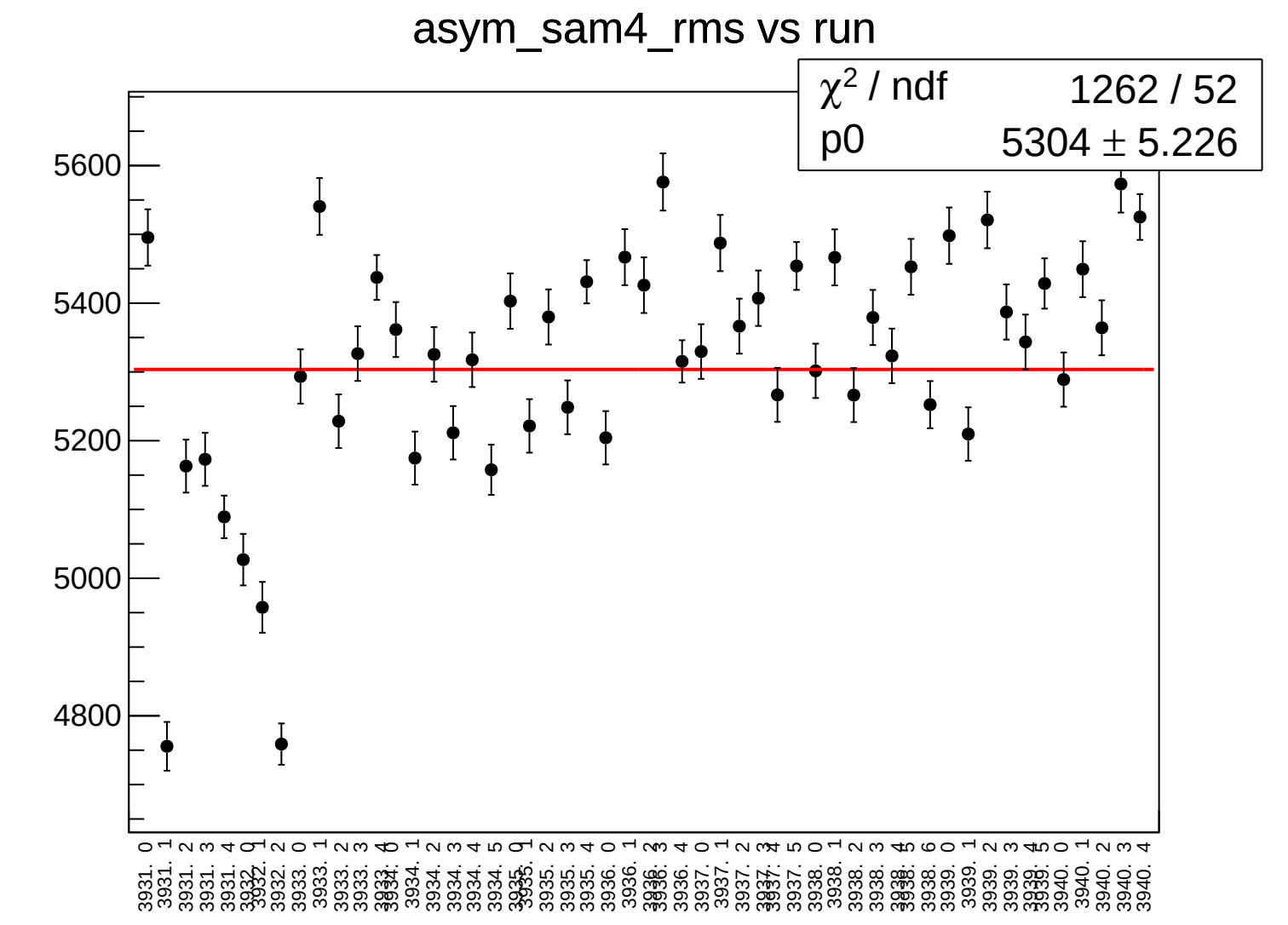

asym_sam3_mean vs run
×10^3
χ² / ndf 55.85 / 52
p0 −1.567e+04 ± 1.207e+04
pull
Entries 53
Mean 304.5
Std Dev 261.7

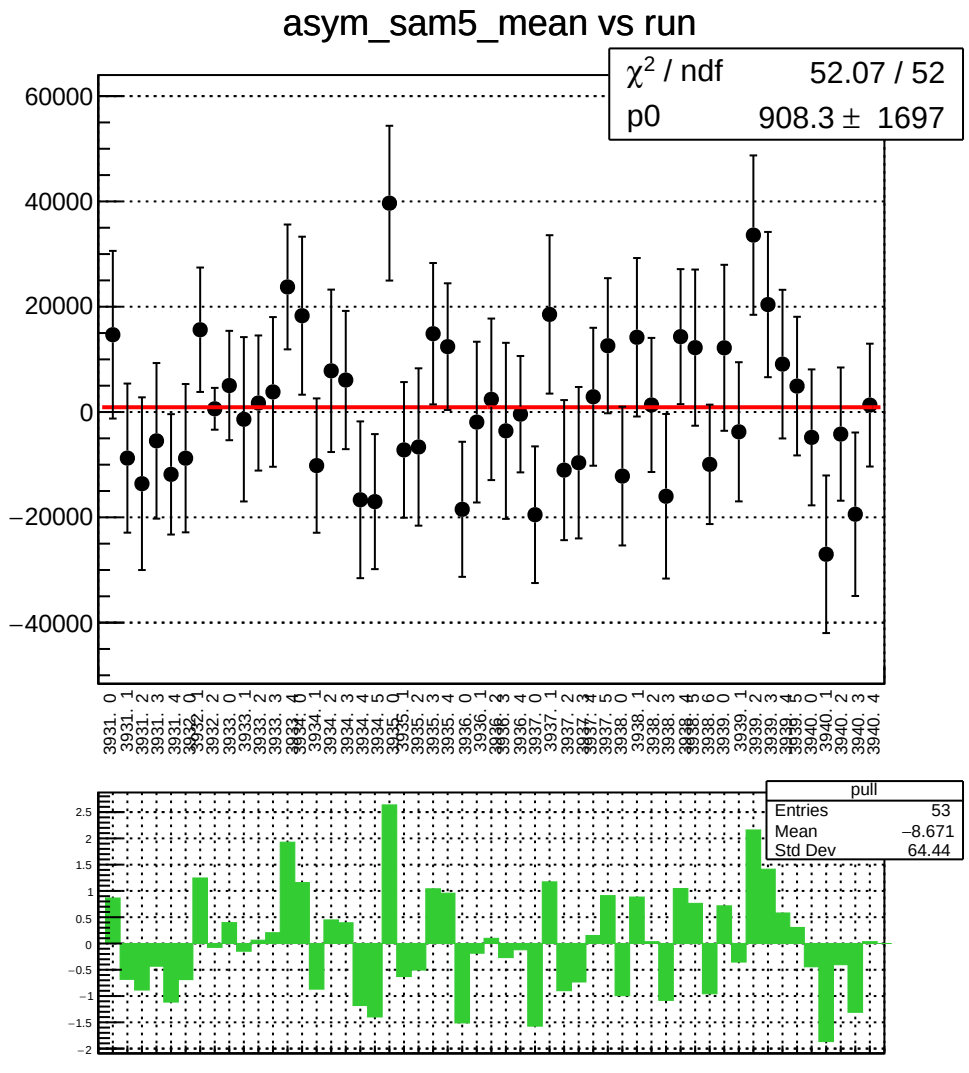

pull1D
Entries 53
Mean −0.004464
Std Dev 1.026

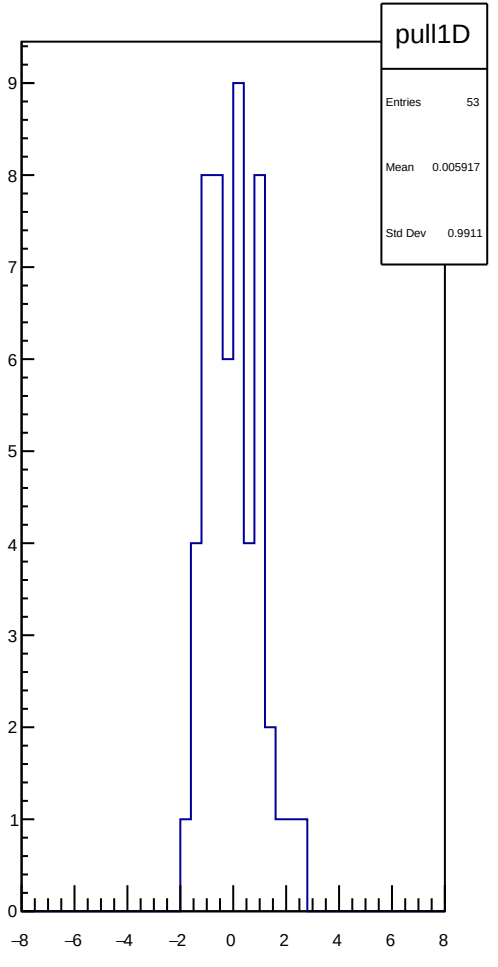

asym_sam3_rms vs run
χ² / ndf 1364 / 52
p0 8659 ± 8.533
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

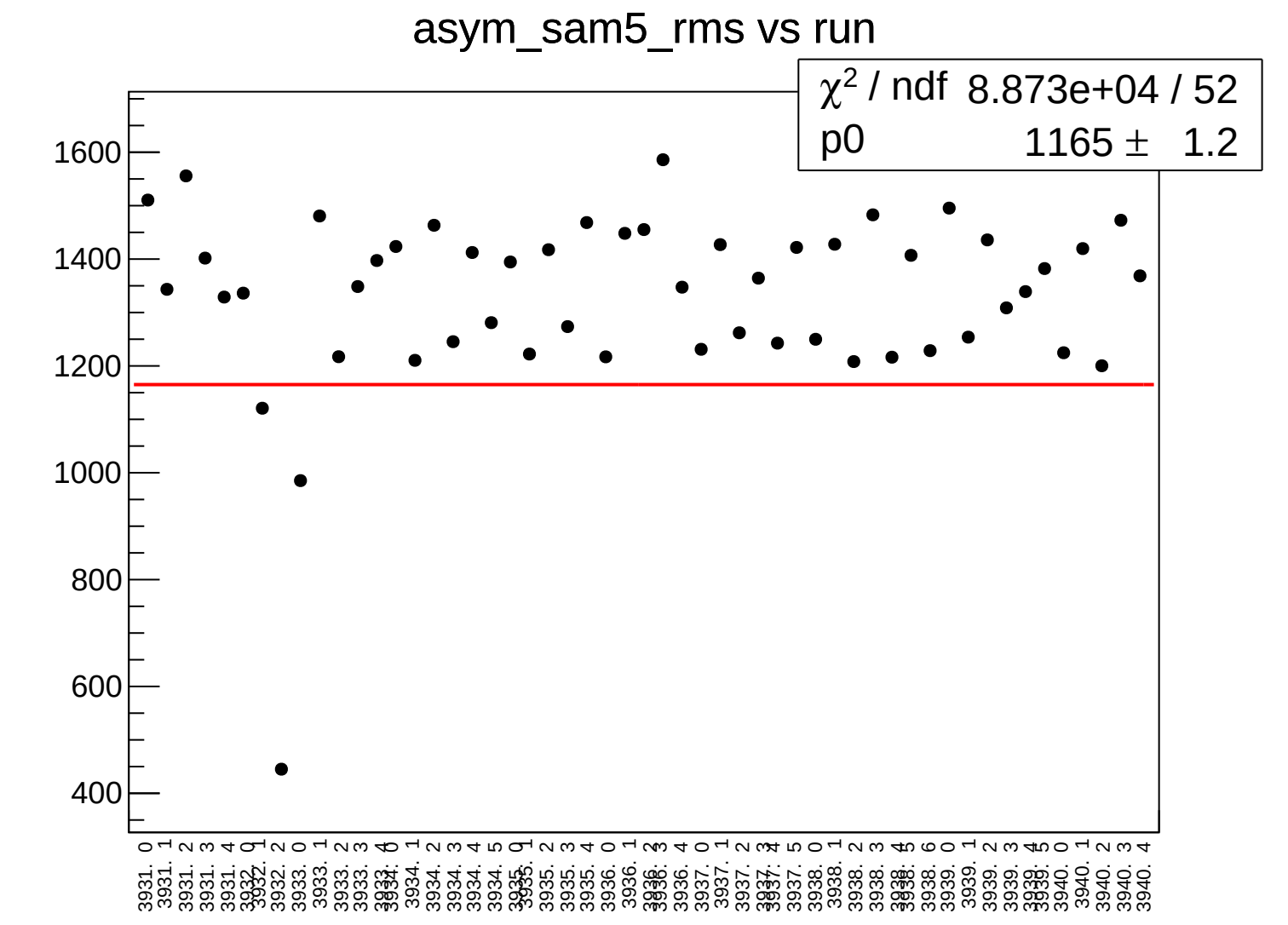

asym_sam4_mean vs run
×10^3
χ² / ndf 62.31 / 52
p0 −9759 ± 7391
200
100
0
−100
−200
pull
Entries 53
Mean 161
Std Dev 111
3
2
1
0
−1
−2

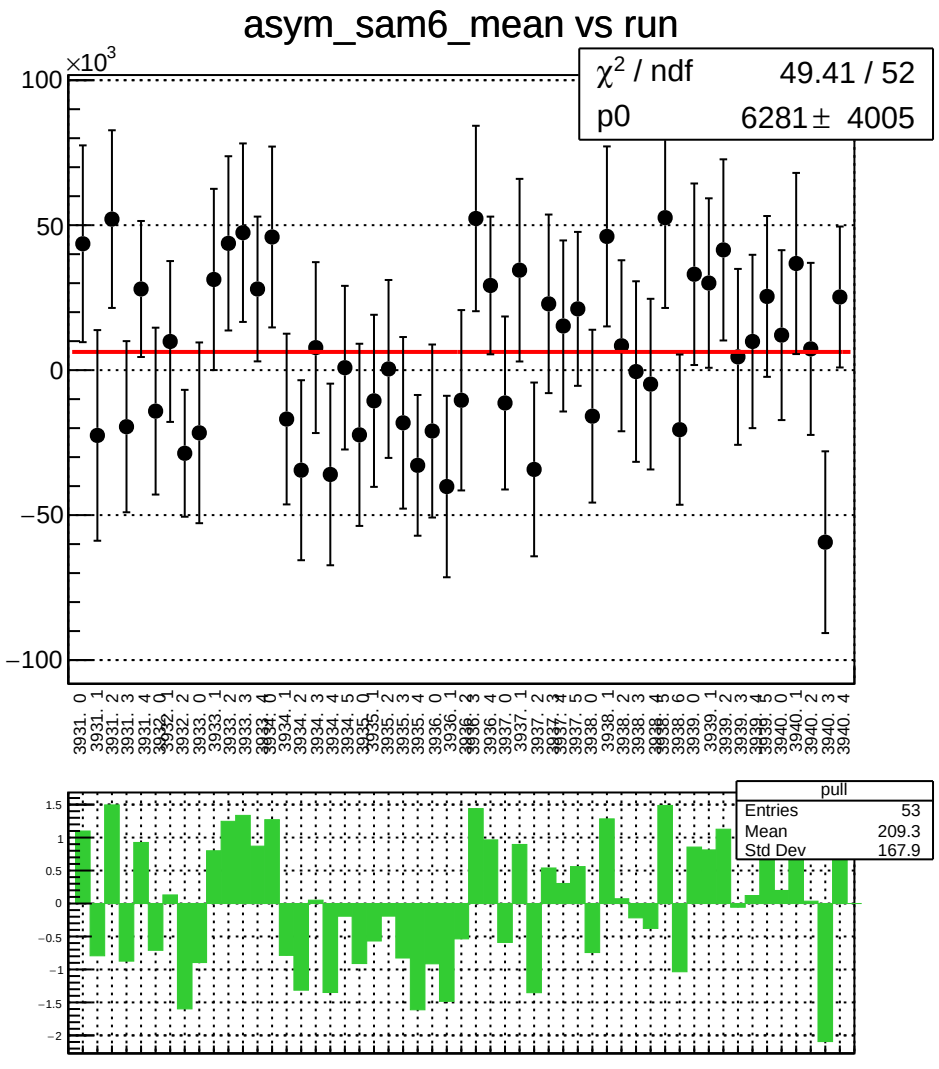

pull1D
Entries 53
Mean −0.009437
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

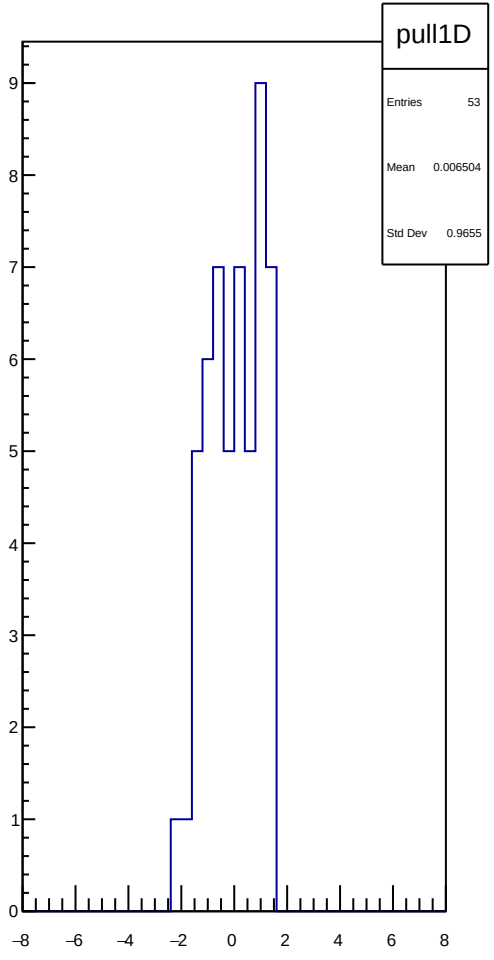

asym_sam4_rms vs run
χ² / ndf 1262 / 52
p0 5304 ± 5.226
5600
5400
5200
5000
4800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

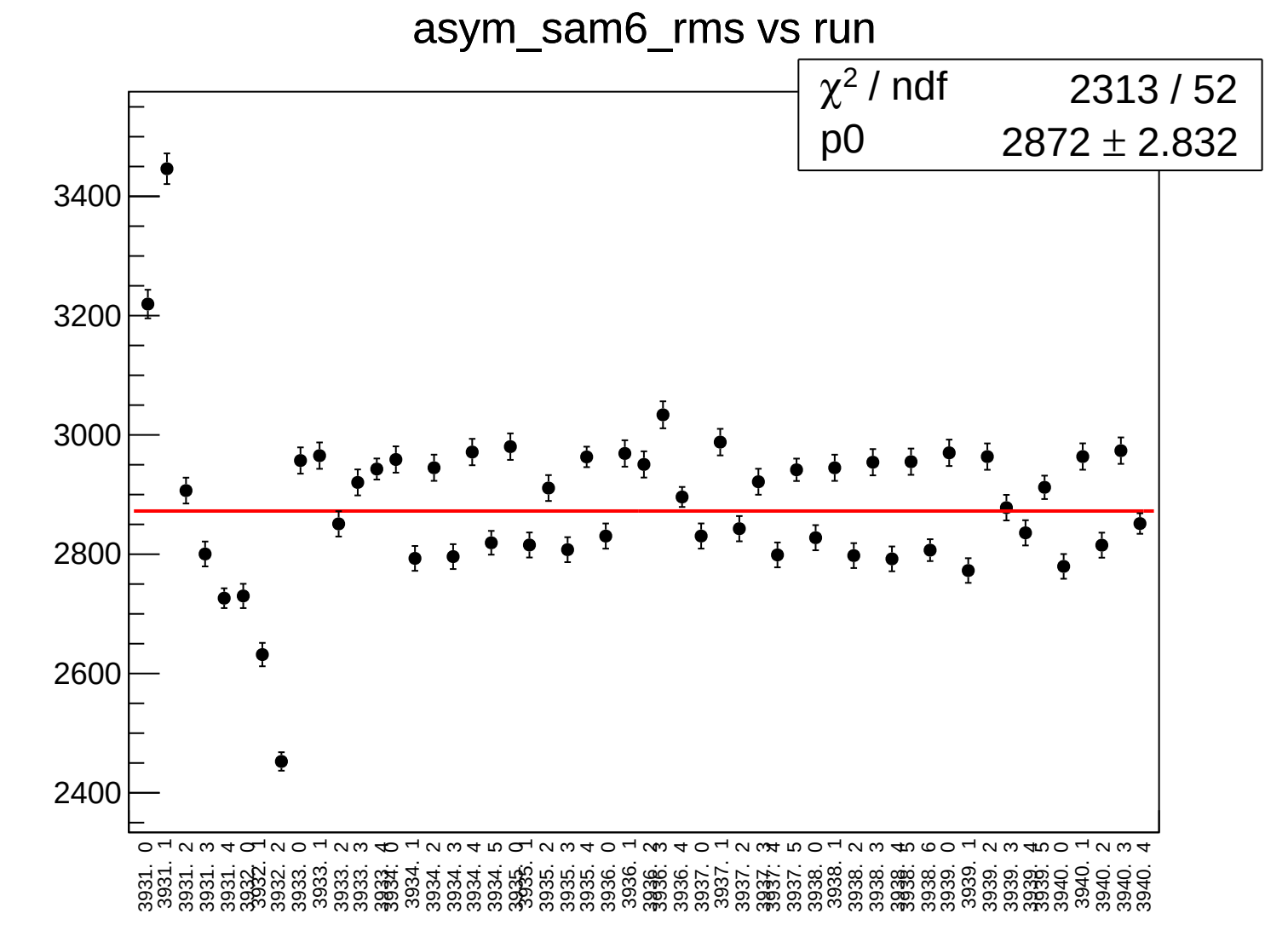

asym_sam5_mean vs run
χ² / ndf 52.07 / 52
p0 908.3 ± 1697
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −8.671
Std Dev 64.44
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

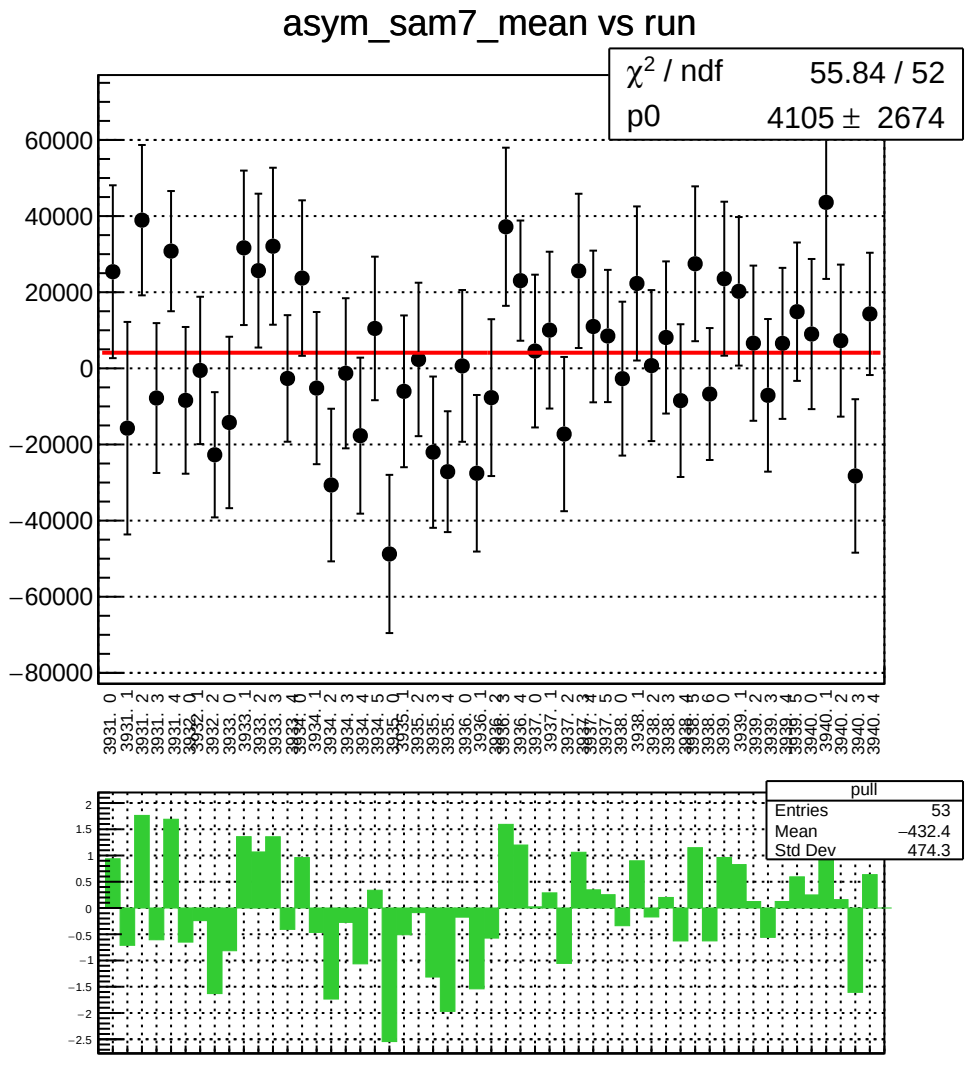

pull1D
Entries 53
Mean 0.005917
Std Dev 0.9911
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

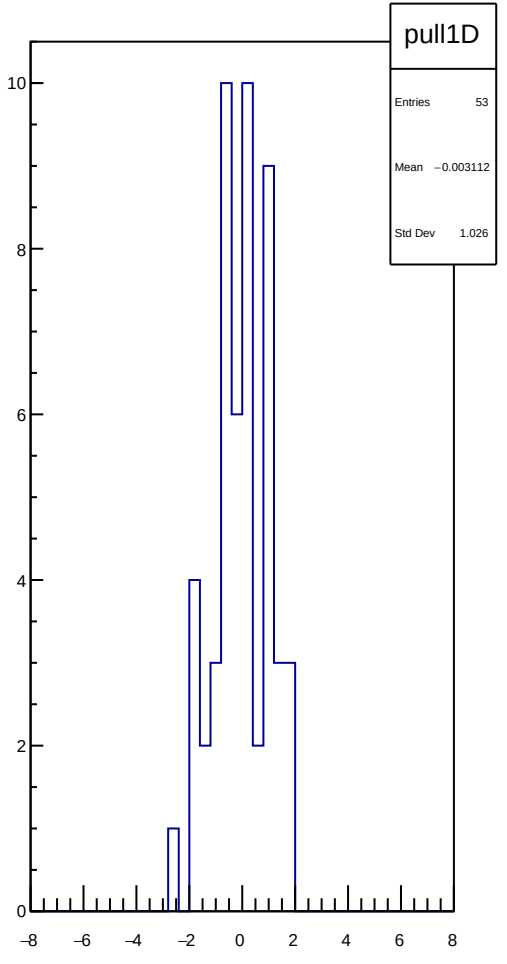

asym_sam5_rms vs run
χ^2 / ndf 8.873e+04 / 52
p0 1165 ± 1.2
1600
1400
1200
1000
800
600
400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

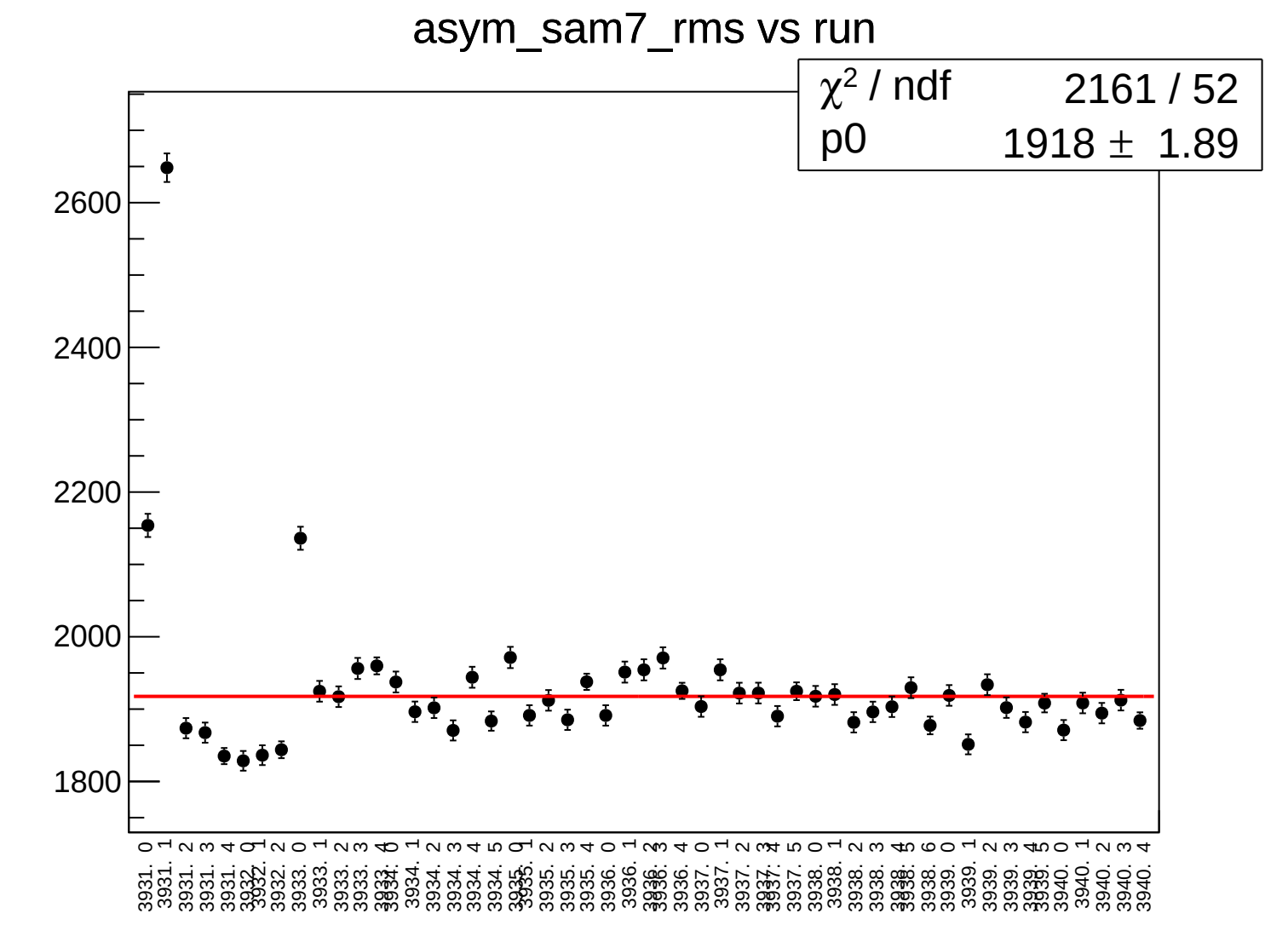

asym_sam6_mean vs run
×10^3
χ^2 / ndf 49.41 / 52
p0 6281 ± 4005
pull
Entries 53
Mean 209.3
Std Dev 167.9

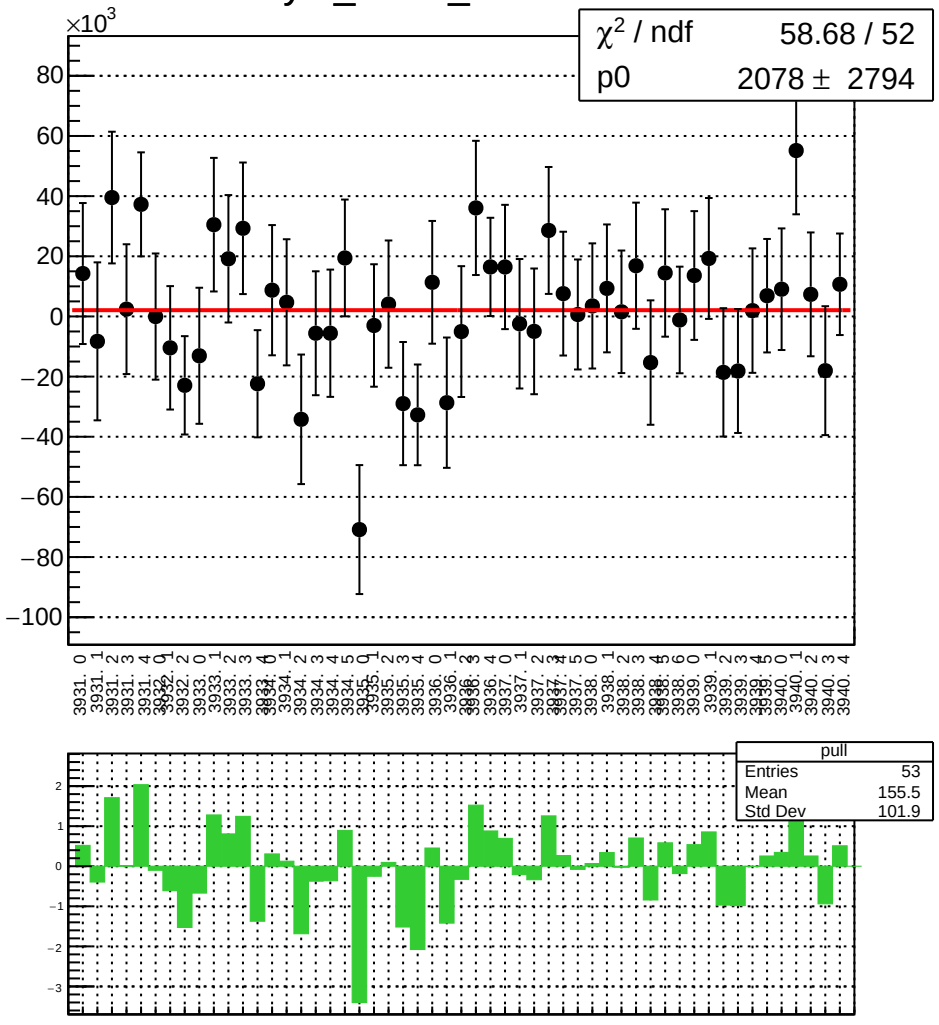

pull1D
Entries 53
Mean 0.006504
Std Dev 0.9655

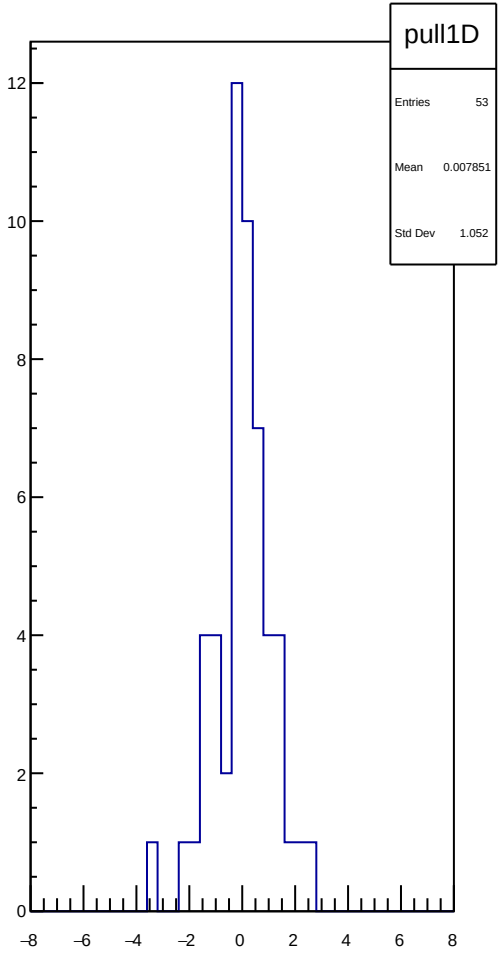

asym_sam6_rms vs run
χ² / ndf 2313 / 52
p0 2872 ± 2.832
3400
3200
3000
2800
2600
2400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

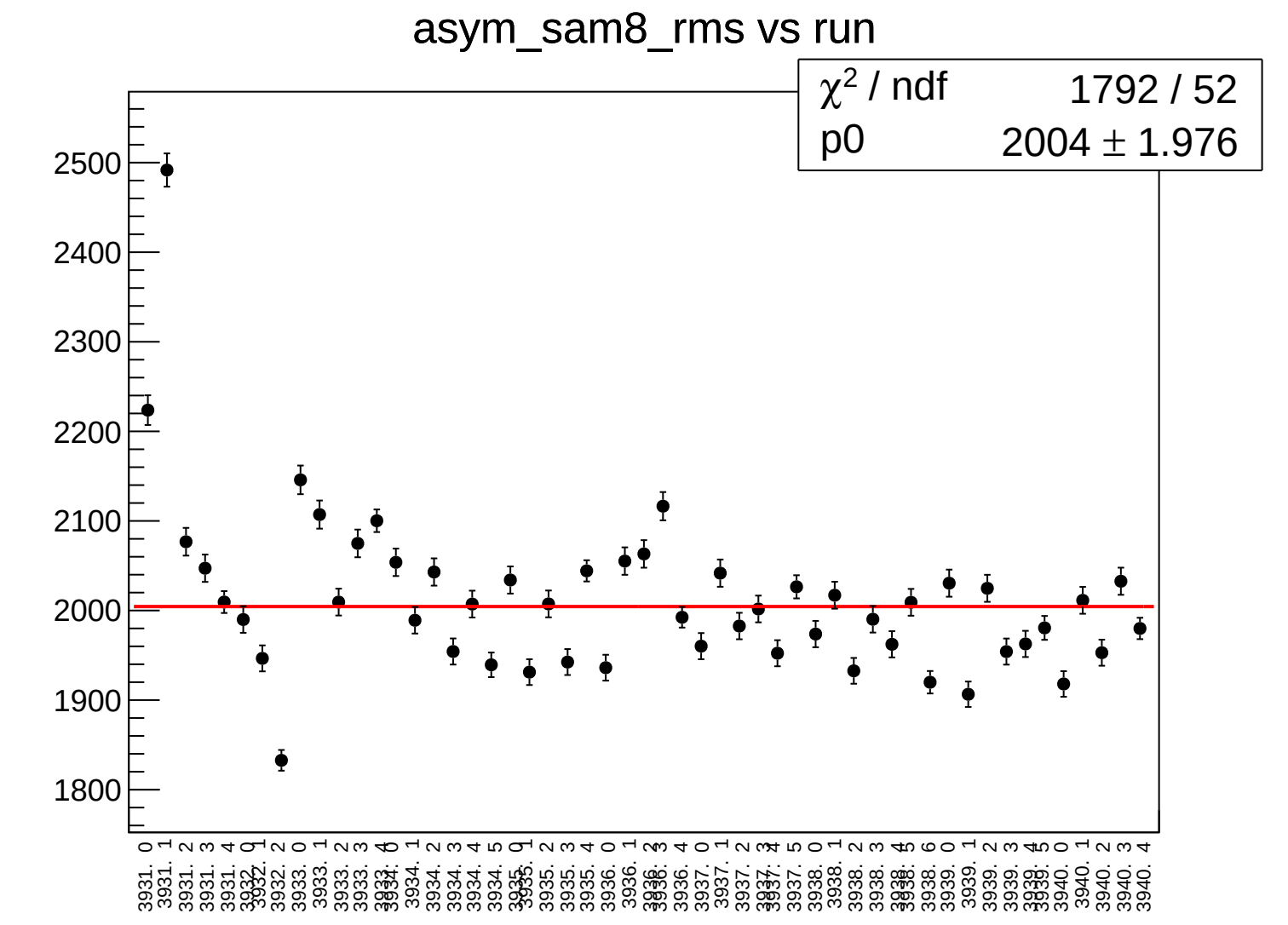

asym_sam7_mean vs run
χ² / ndf 55.84 / 52
p0 4105 ± 2674
pull
Entries 53
Mean −432.4
Std Dev 474.3

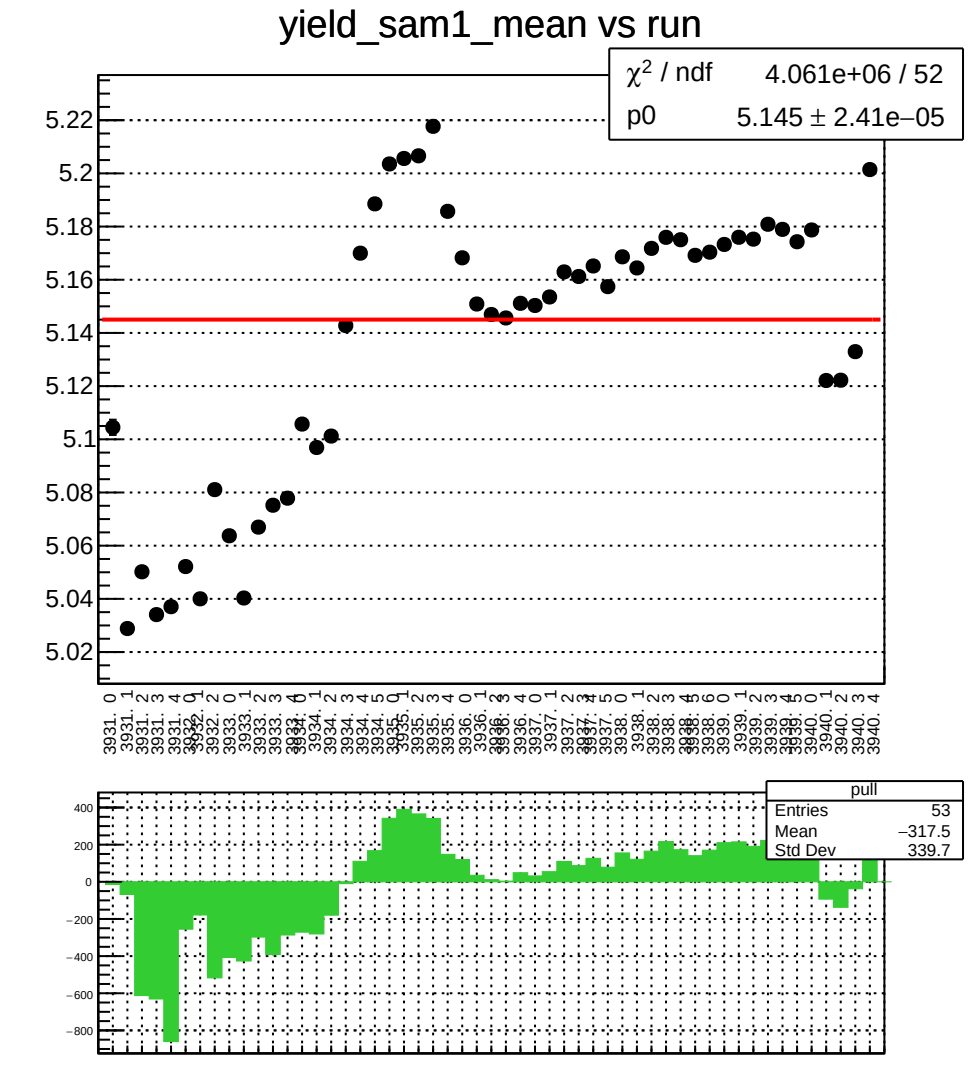

pull1D
Entries 53
Mean −0.003112
Std Dev 1.026

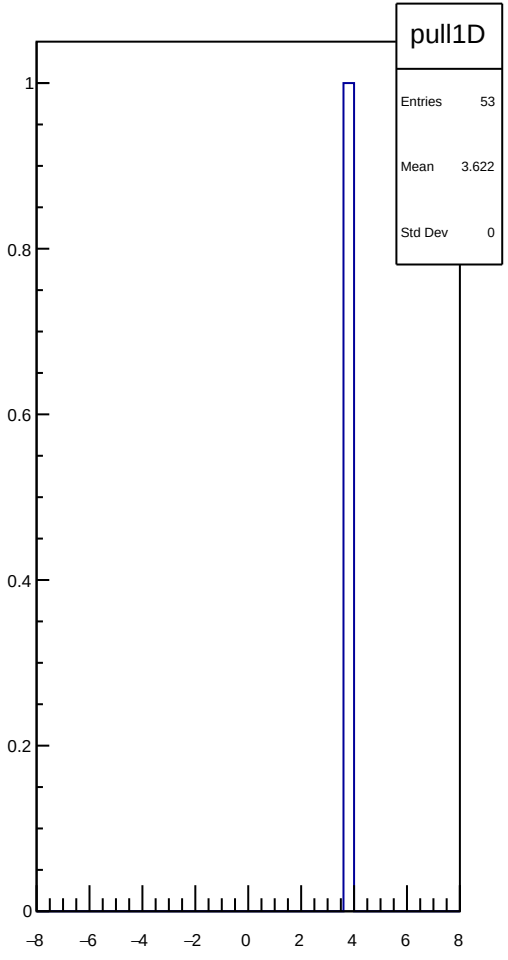

asym_sam7_rms vs run
χ² / ndf 2161 / 52
p0 1918 ± 1.89
2600
2400
2200
2000
1800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

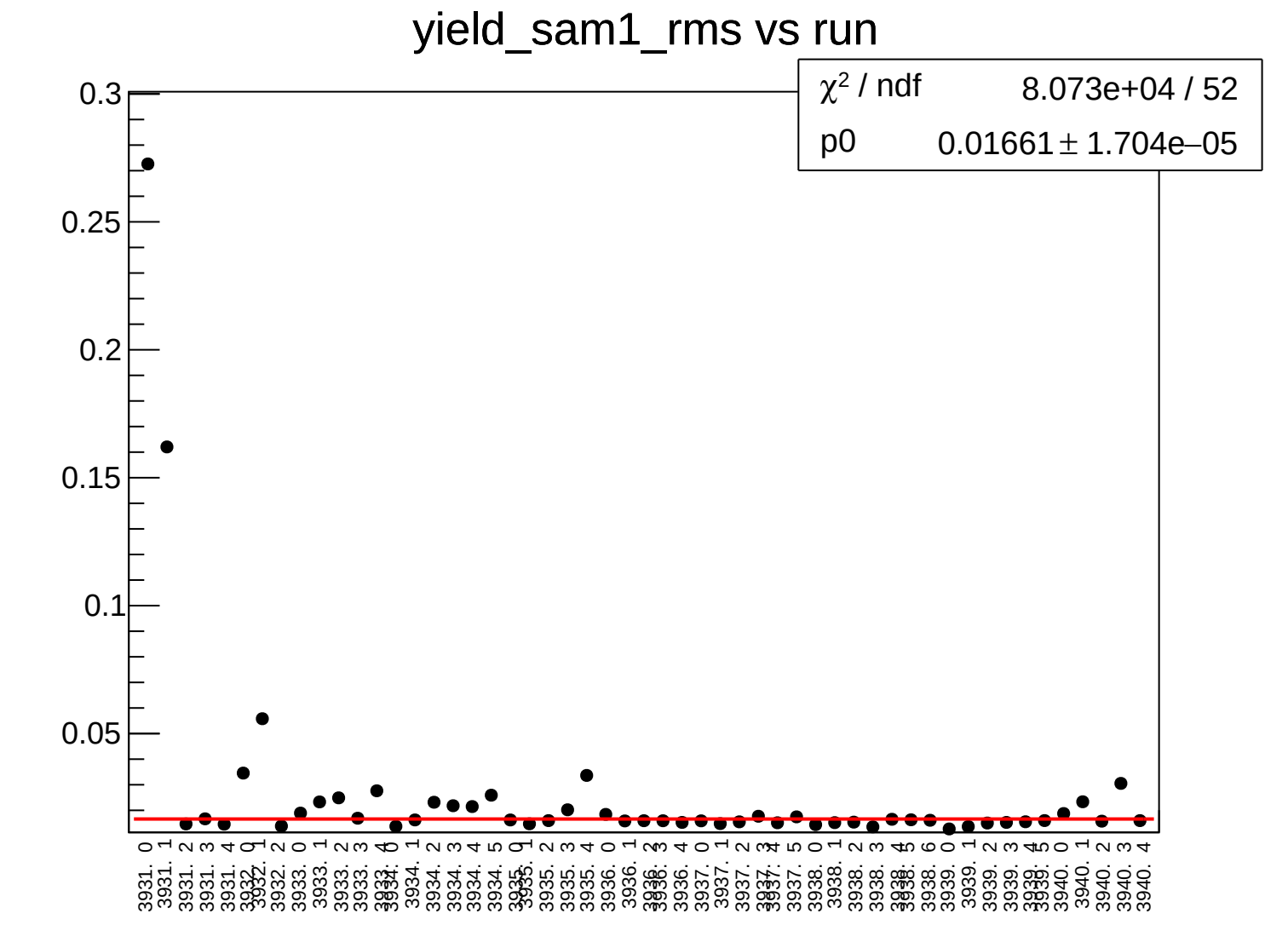

asym_sam8_mean vs run
×10^3
χ² / ndf 58.68 / 52
p0 2078 ± 2794
pull
Entries 53
Mean 155.5
Std Dev 101.9

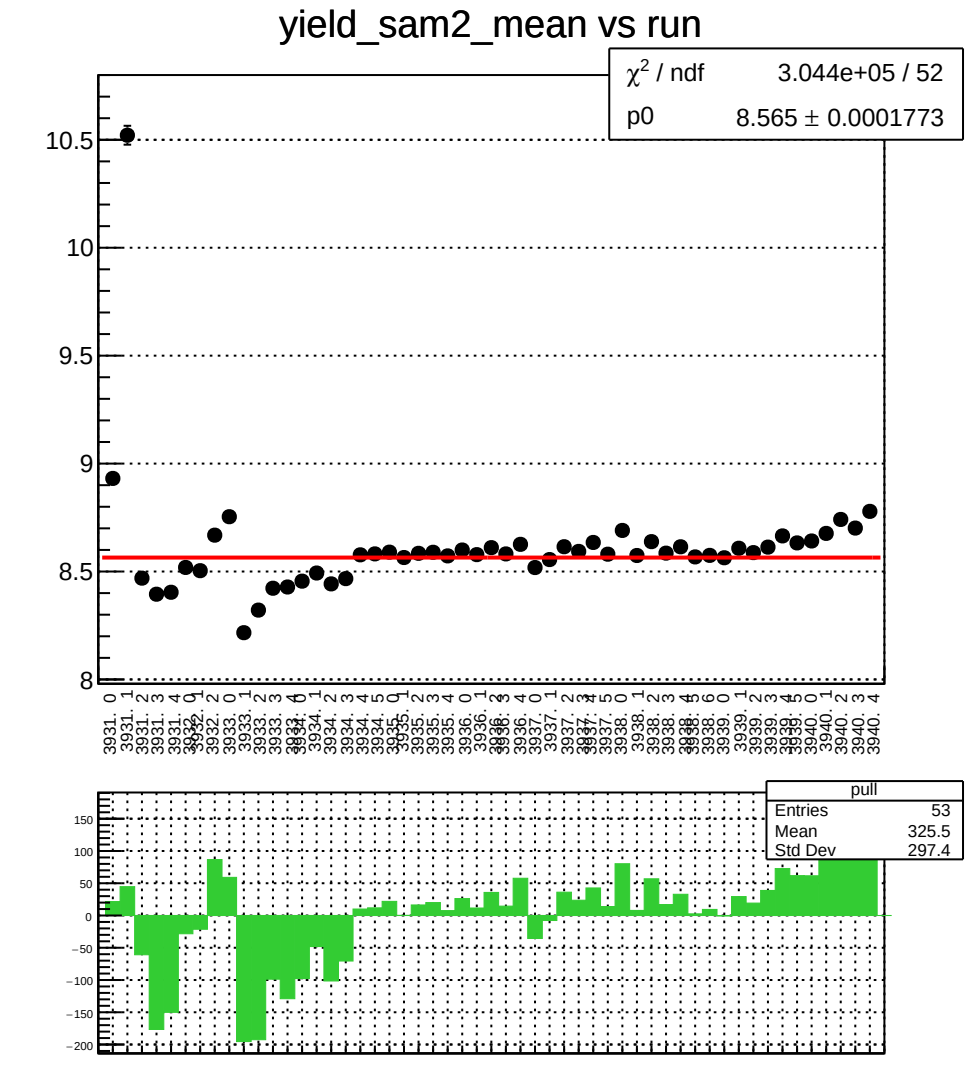

pull1D
Entries 53
Mean 0.007851
Std Dev 1.052

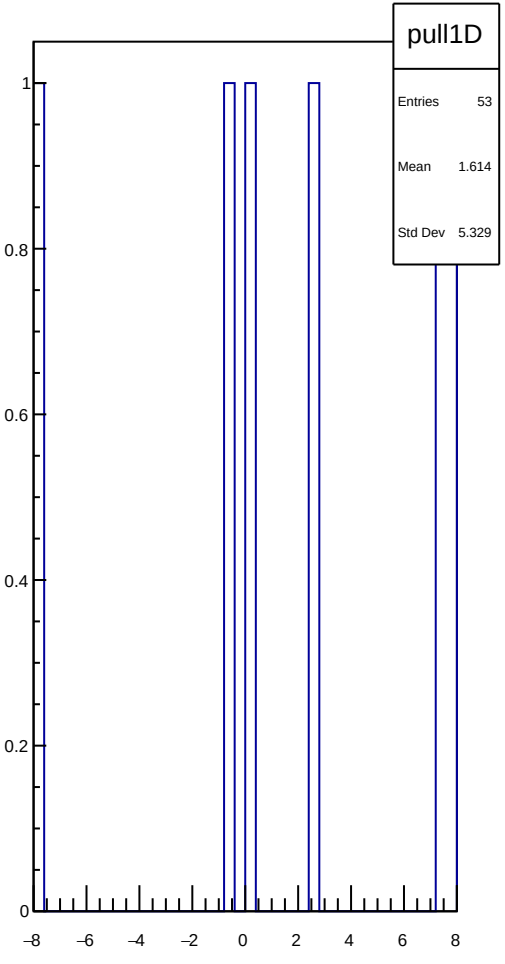

asym_sam8_rms vs run
χ² / ndf 1792 / 52
p0 2004 ± 1.976
2500
2400
2300
2200
2100
2000
1900
1800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

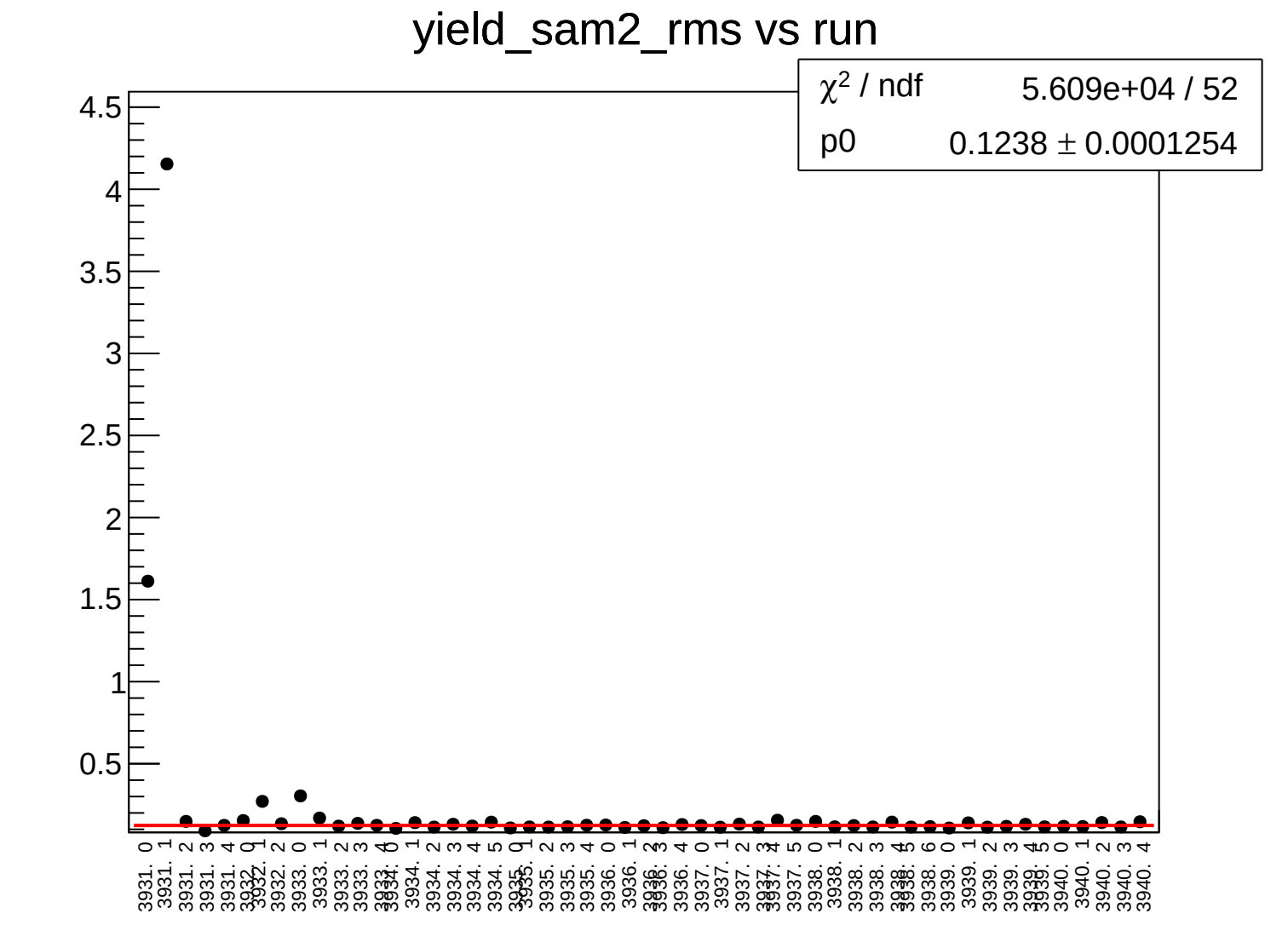

yield_sam1_mean vs run
χ² / ndf 4.061e+06 / 52
p0 5.145 ± 2.41e−05
pull
Entries 53
Mean −317.5
Std Dev 339.7

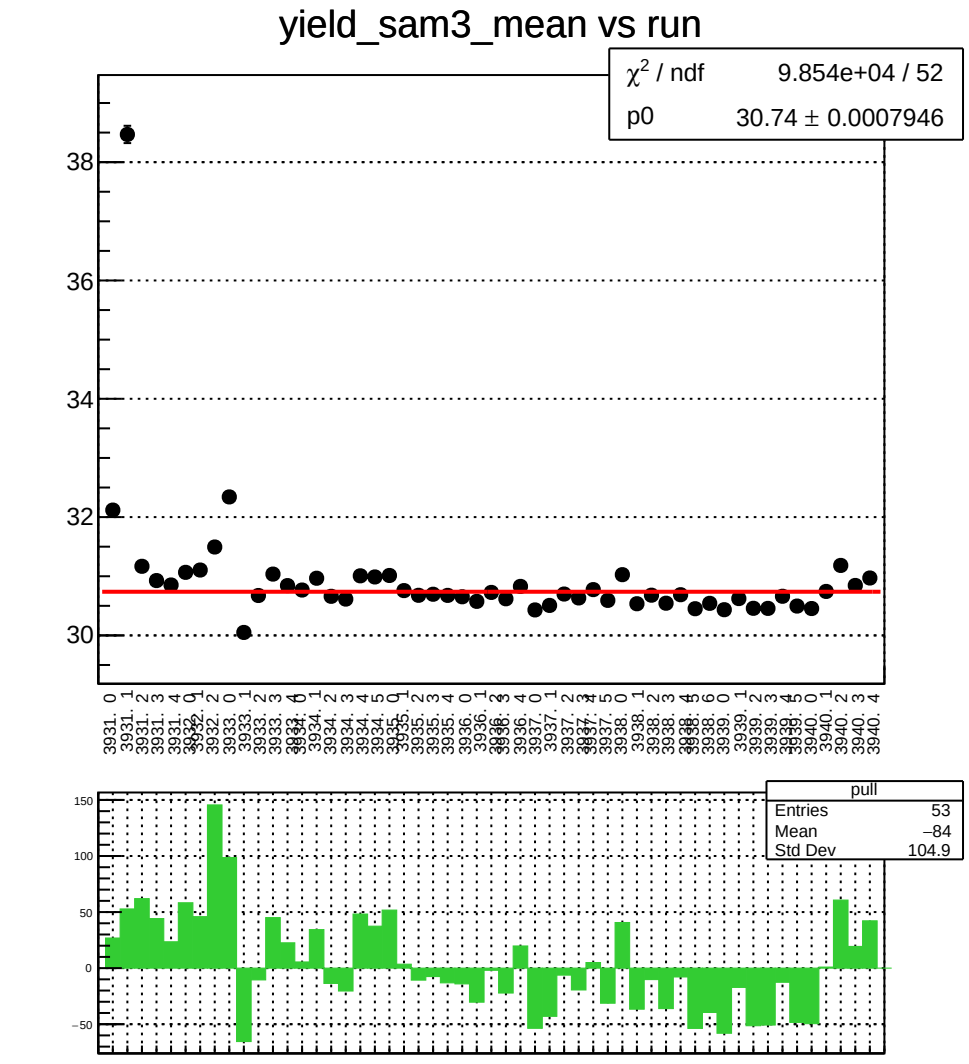

pull1D
Entries 53
Mean 3.622
Std Dev 0

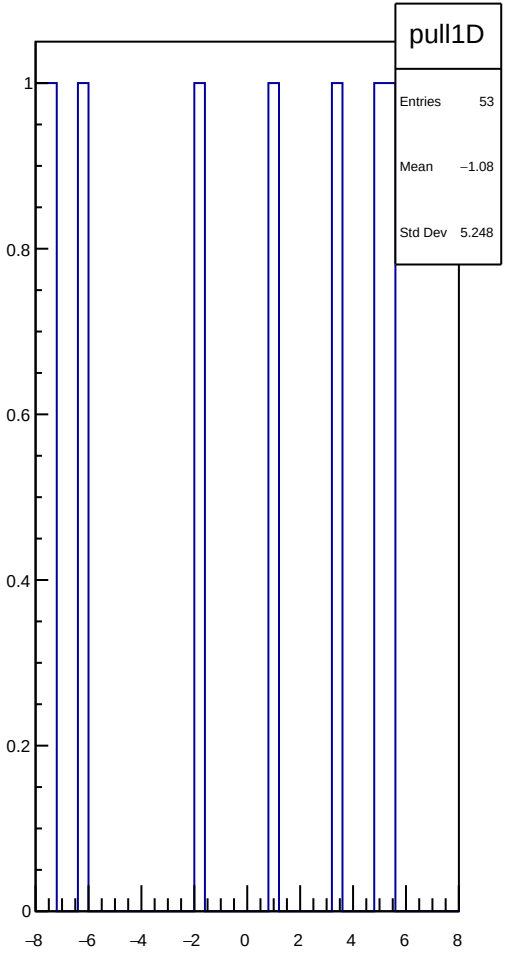

yield_sam1_rms vs run
χ² / ndf 8.073e+04 / 52
p0 0.01661 ± 1.704e−05
0.3
0.25
0.2
0.15
0.1
0.05
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

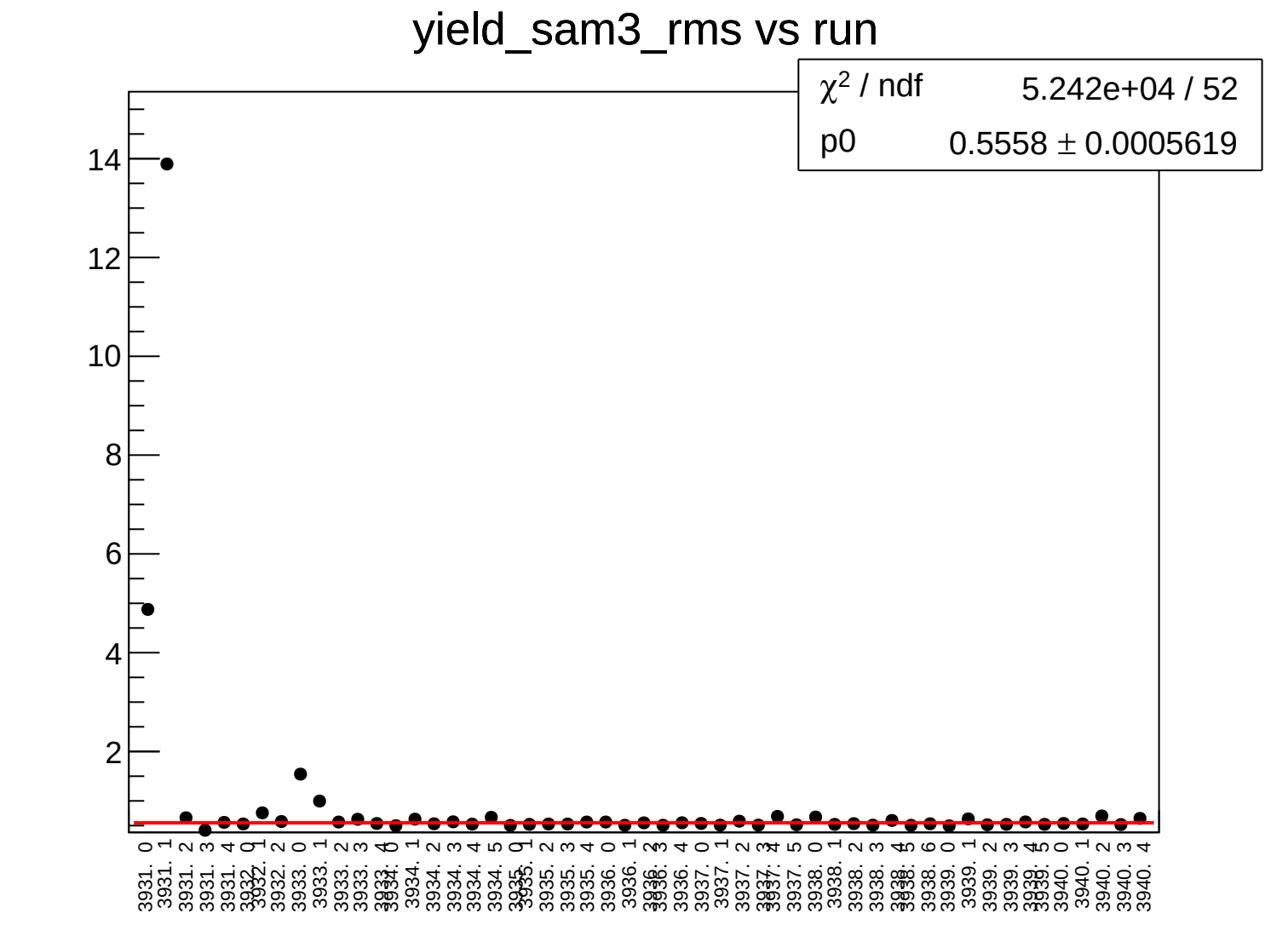

yield_sam2_mean vs run
χ² / ndf 3.044e+05 / 52
p0 8.565 ± 0.0001773
pull
Entries 53
Mean 325.5
Std Dev 297.4

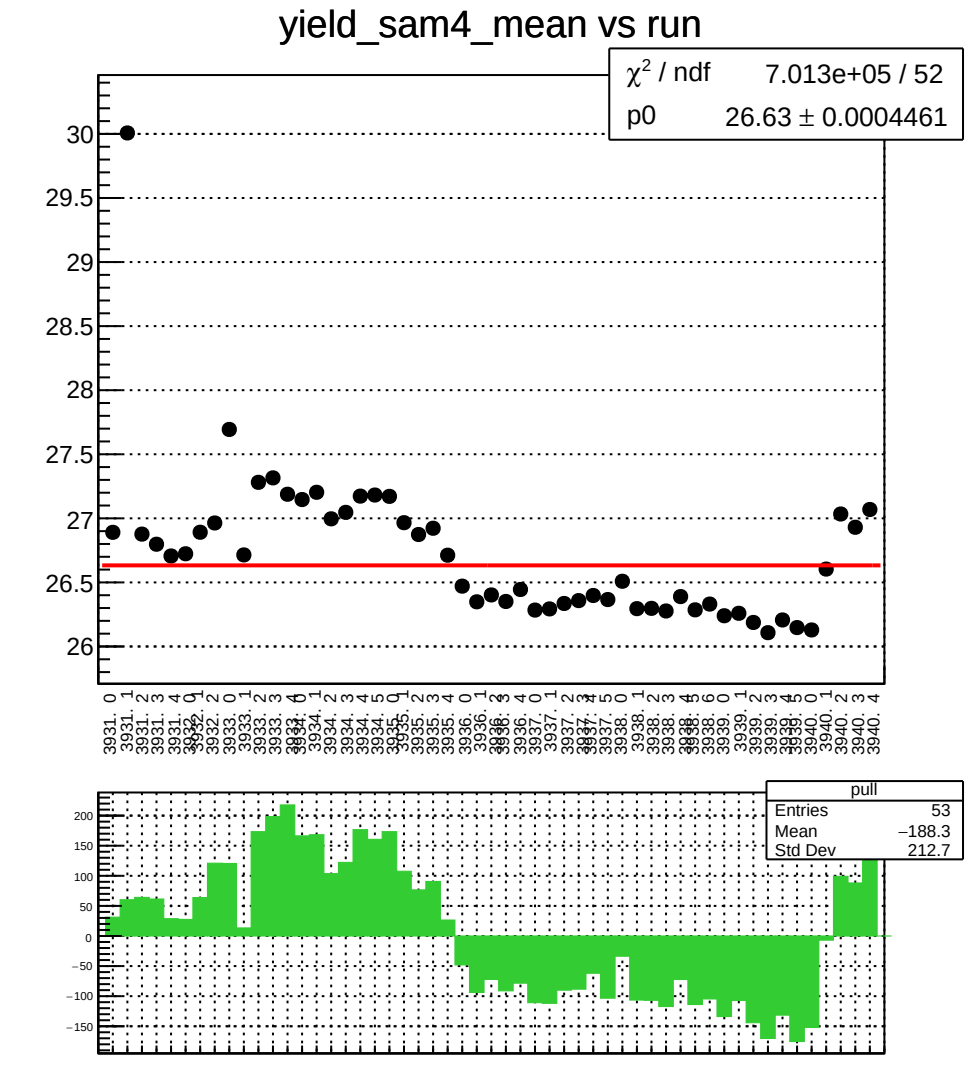

pull1D
Entries 53
Mean 1.614
Std Dev 5.329

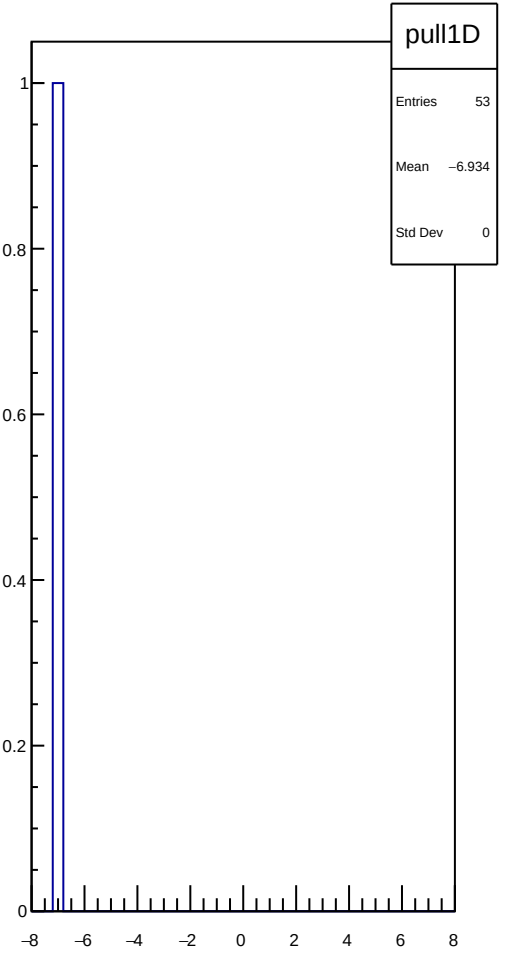

yield_sam2_rms vs run
χ² / ndf 5.609e+04 / 52
p0 0.1238 ± 0.0001254
4.5
4
3.5
3
2.5
2
1.5
1
0.5
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

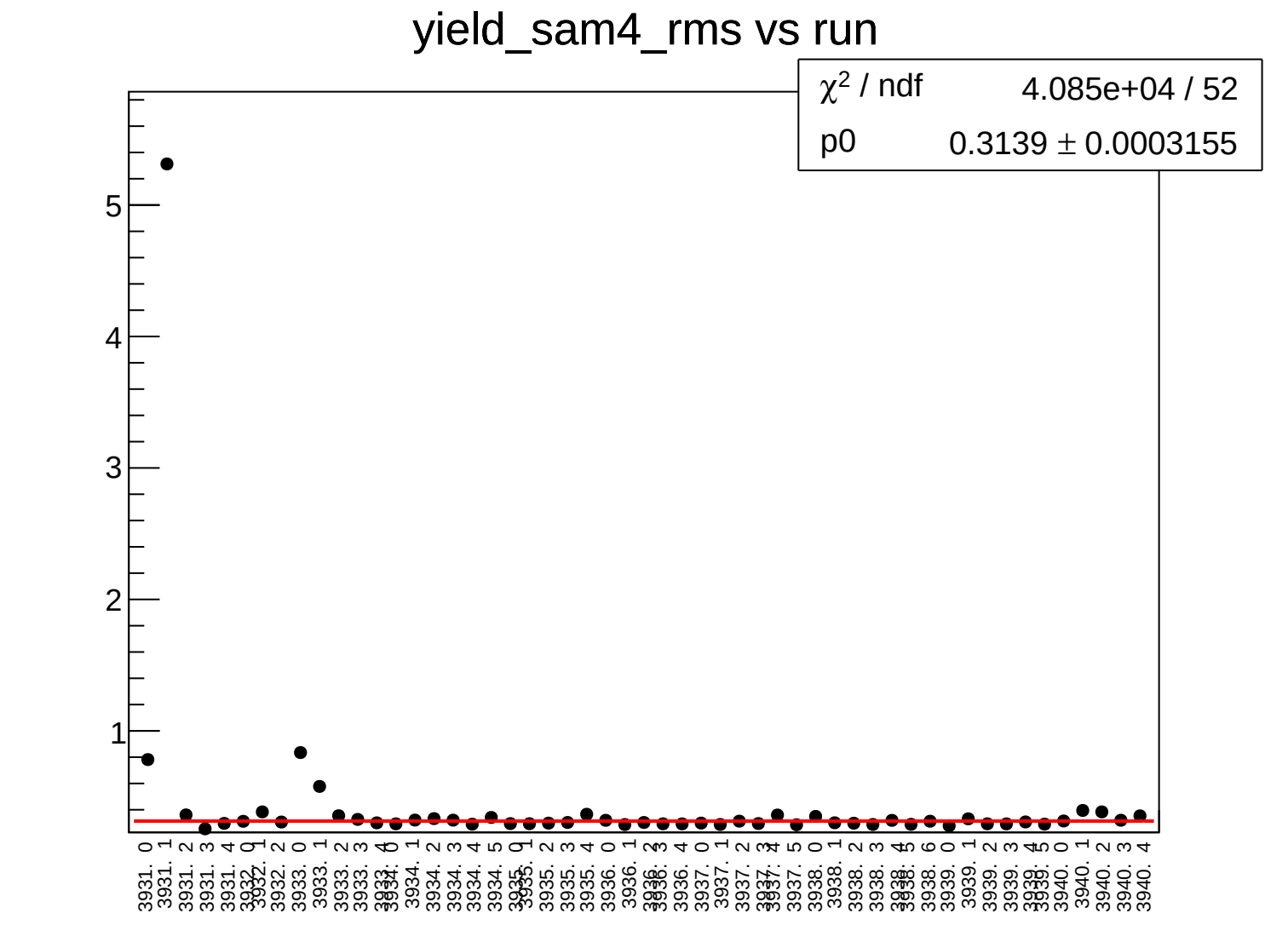

yield_sam3_mean vs run
χ² / ndf 9.854e+04 / 52
p0 30.74 ± 0.0007946
38
36
34
32
30
pull
Entries 53
Mean −84
Std Dev 104.9
150
100
50
0
−50

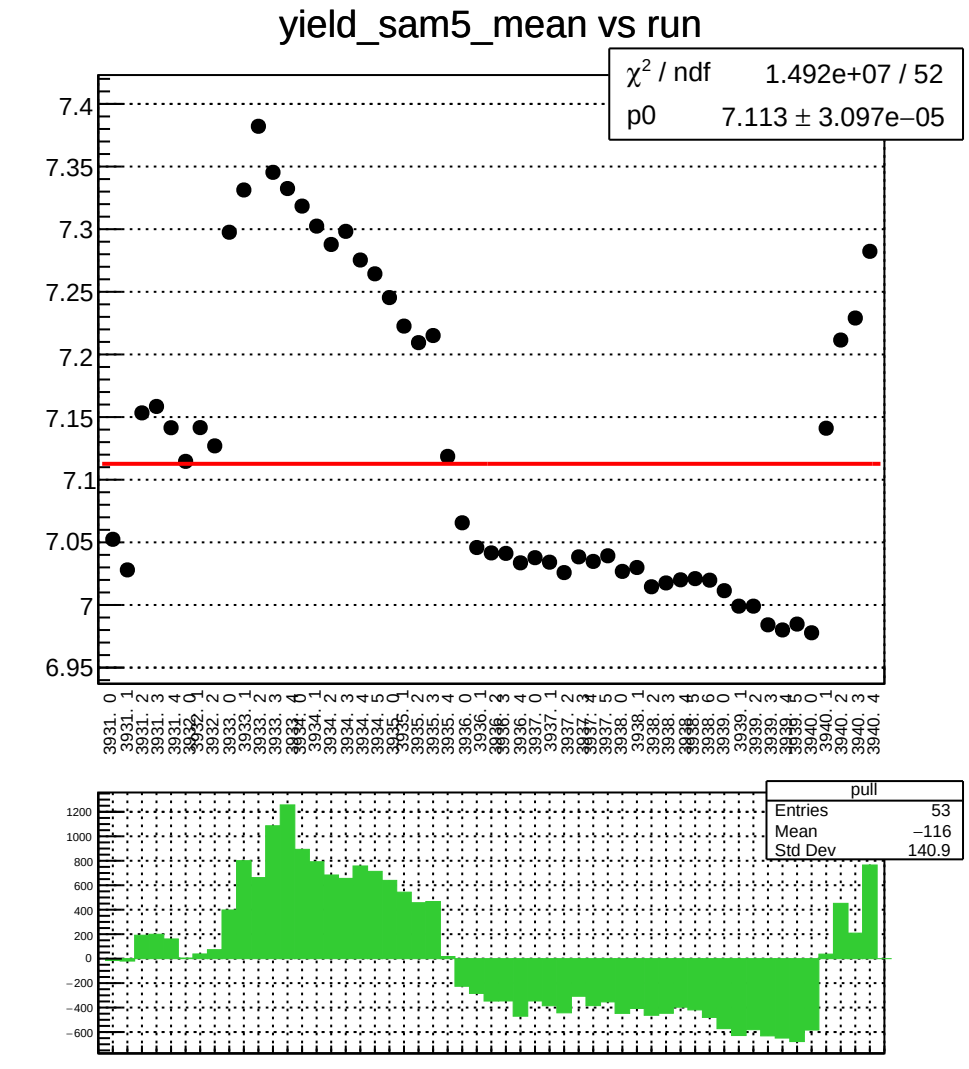

pull1D
Entries 53
Mean −1.08
Std Dev 5.248
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

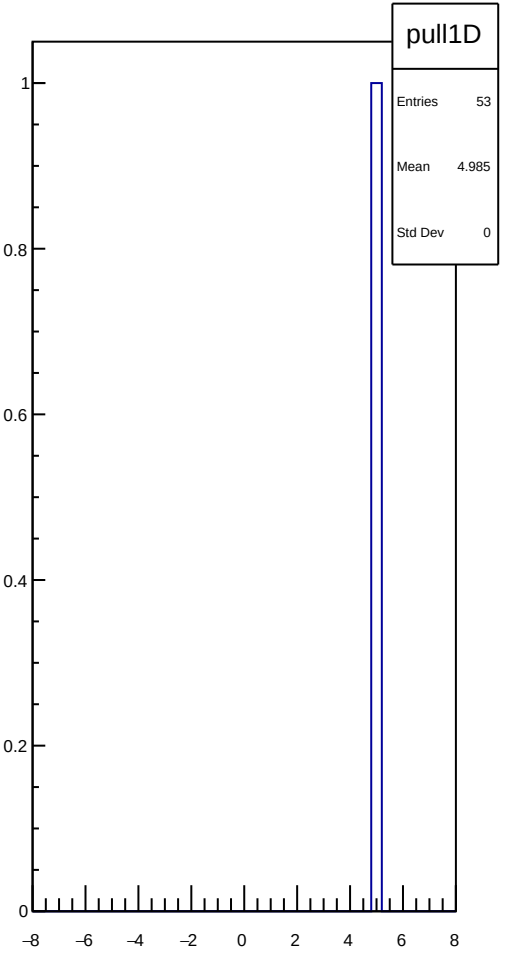

yield_sam3_rms vs run
χ² / ndf 5.242e+04 / 52
p0 0.5558 ± 0.0005619
14
12
10
8
6
4
2
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

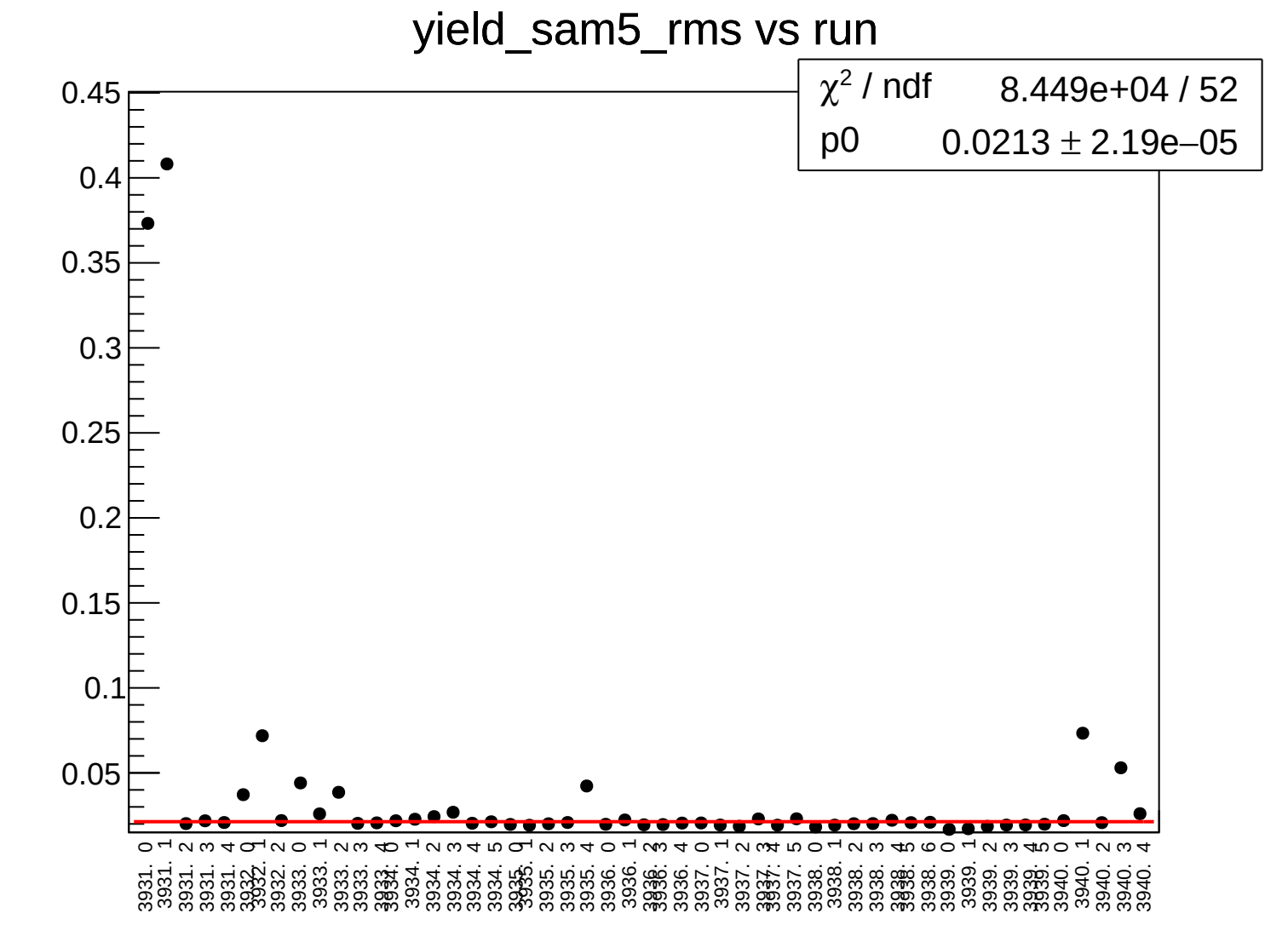

yield_sam4_mean vs run
χ² / ndf 7.013e+05 / 52
p0 26.63 ± 0.0004461
pull
Entries 53
Mean −188.3
Std Dev 212.7

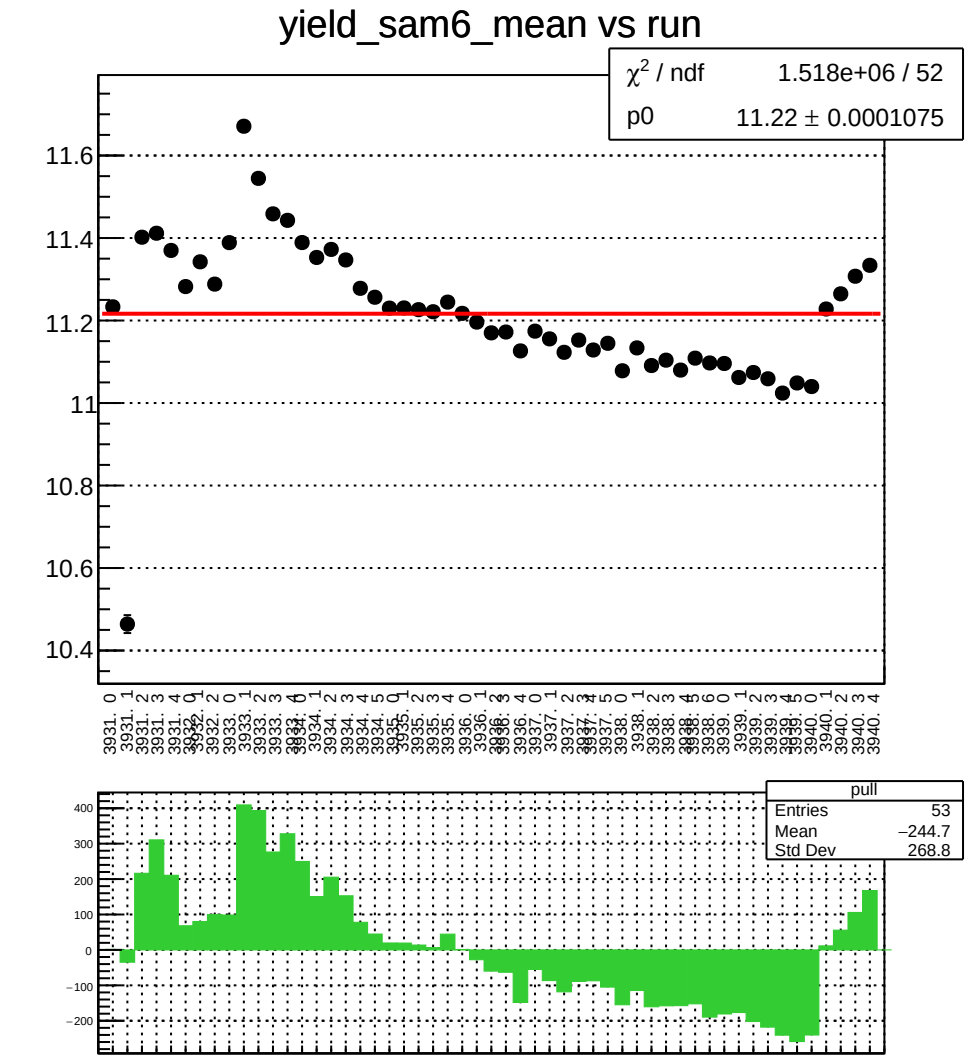

pull1D
Entries 53
Mean −6.934
Std Dev 0

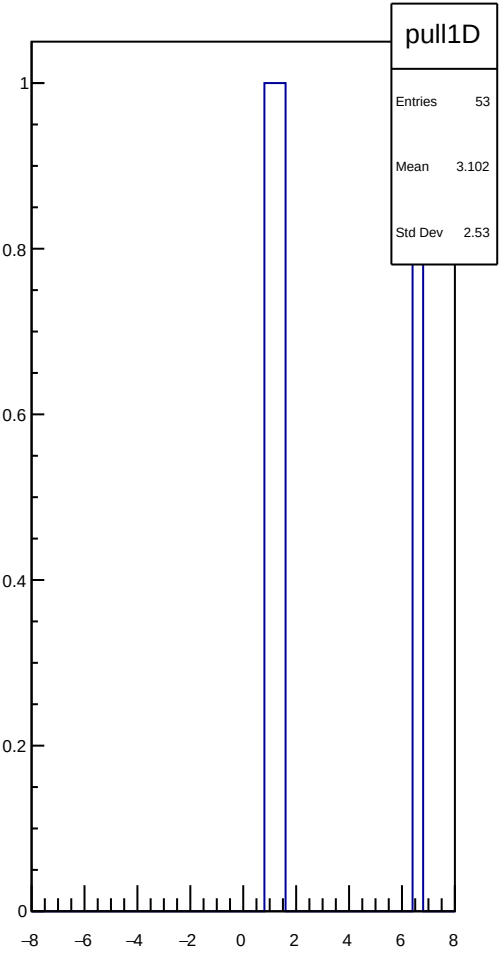

yield_sam4_rms vs run
χ² / ndf 4.085e+04 / 52
p0 0.3139 ± 0.0003155
5
4
3
2
1
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

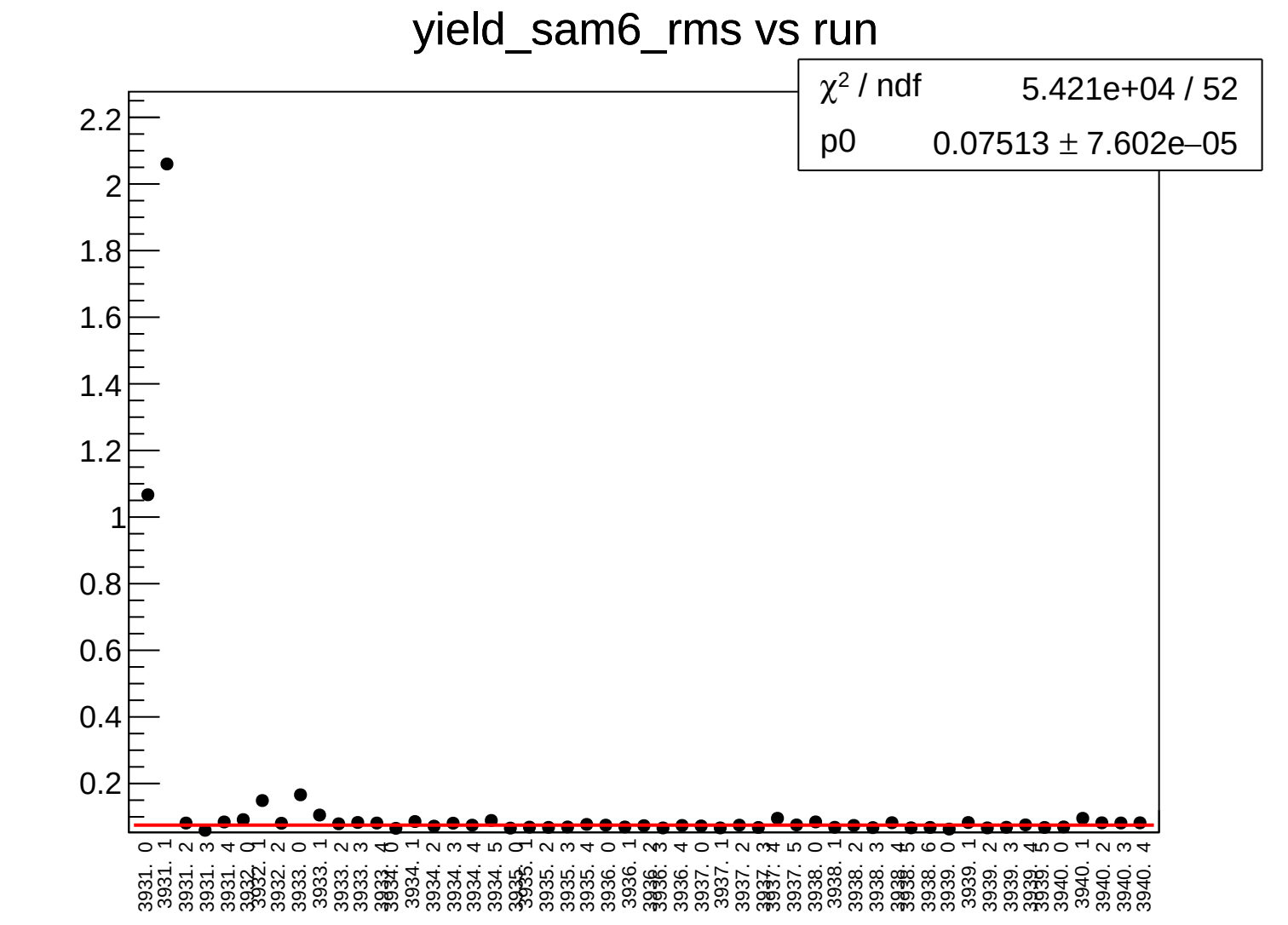

yield_sam5_mean vs run
χ² / ndf 1.492e+07 / 52
p0 7.113 ± 3.097e−05
pull
Entries 53
Mean −116
Std Dev 140.9

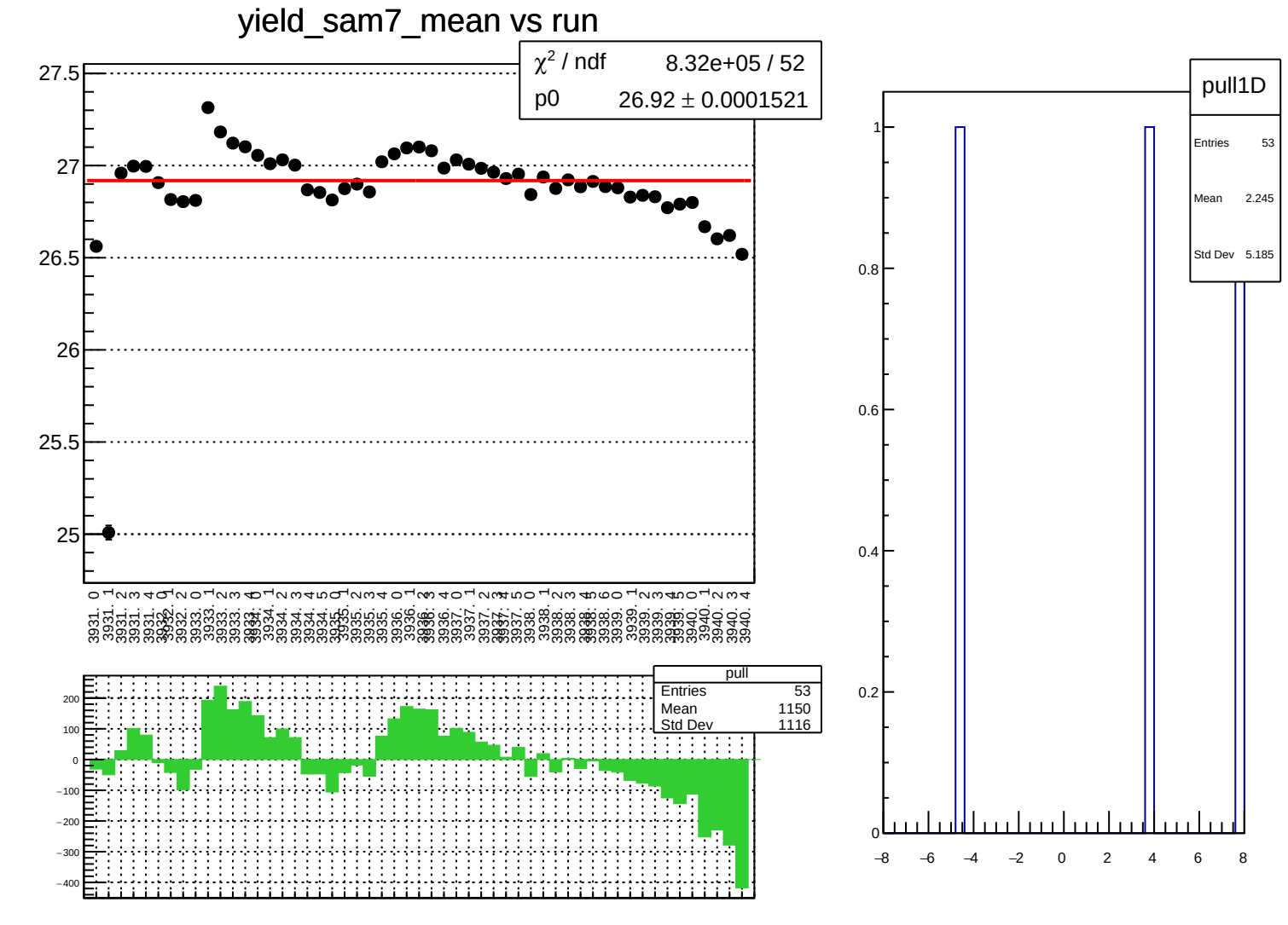

pull1D
Entries 53
Mean 4.985
Std Dev 0

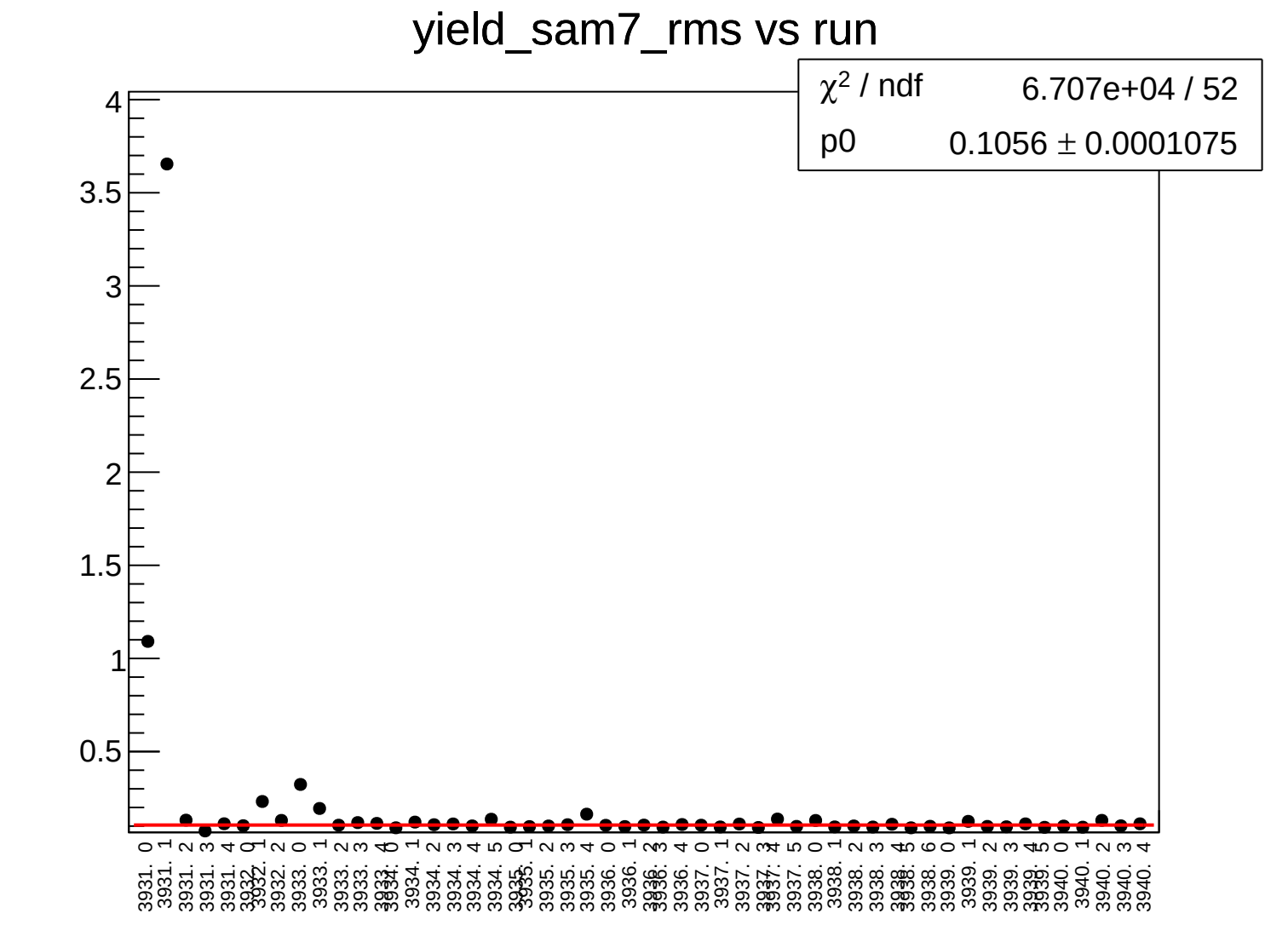

yield_sam5_rms vs run
χ² / ndf 8.449e+04 / 52
p0 0.0213 ± 2.19e−05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

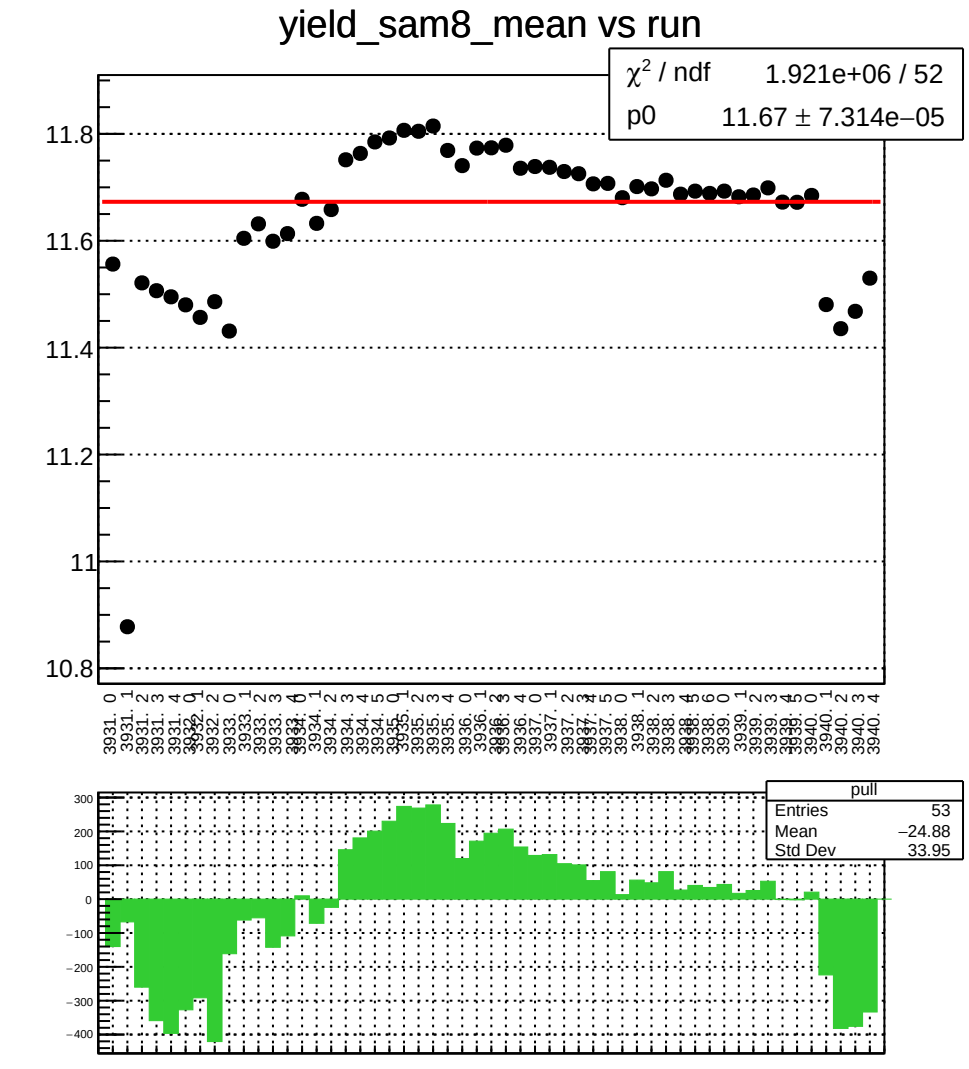

yield_sam6_mean vs run
χ² / ndf 1.518e+06 / 52
p0 11.22 ± 0.0001075
pull
Entries 53
Mean −244.7
Std Dev 268.8

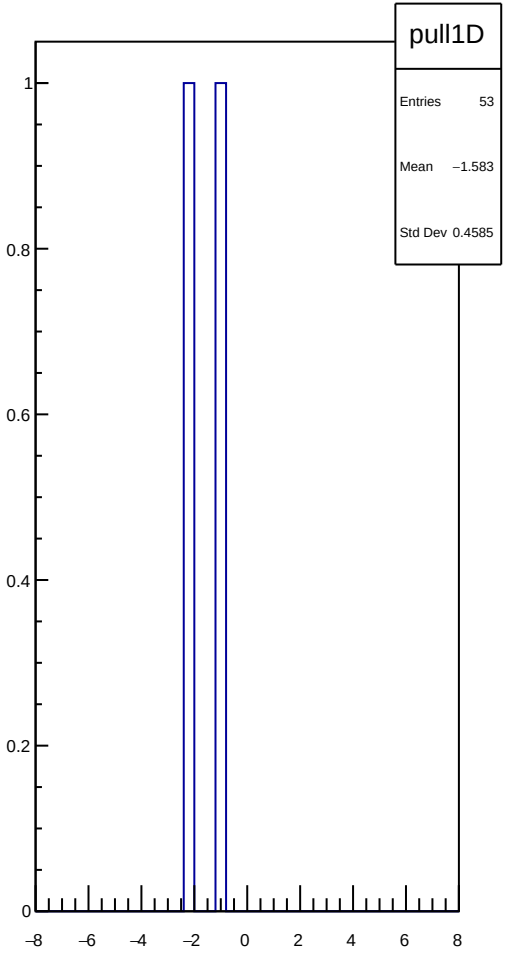

pull1D
Entries 53
Mean 3.102
Std Dev 2.53

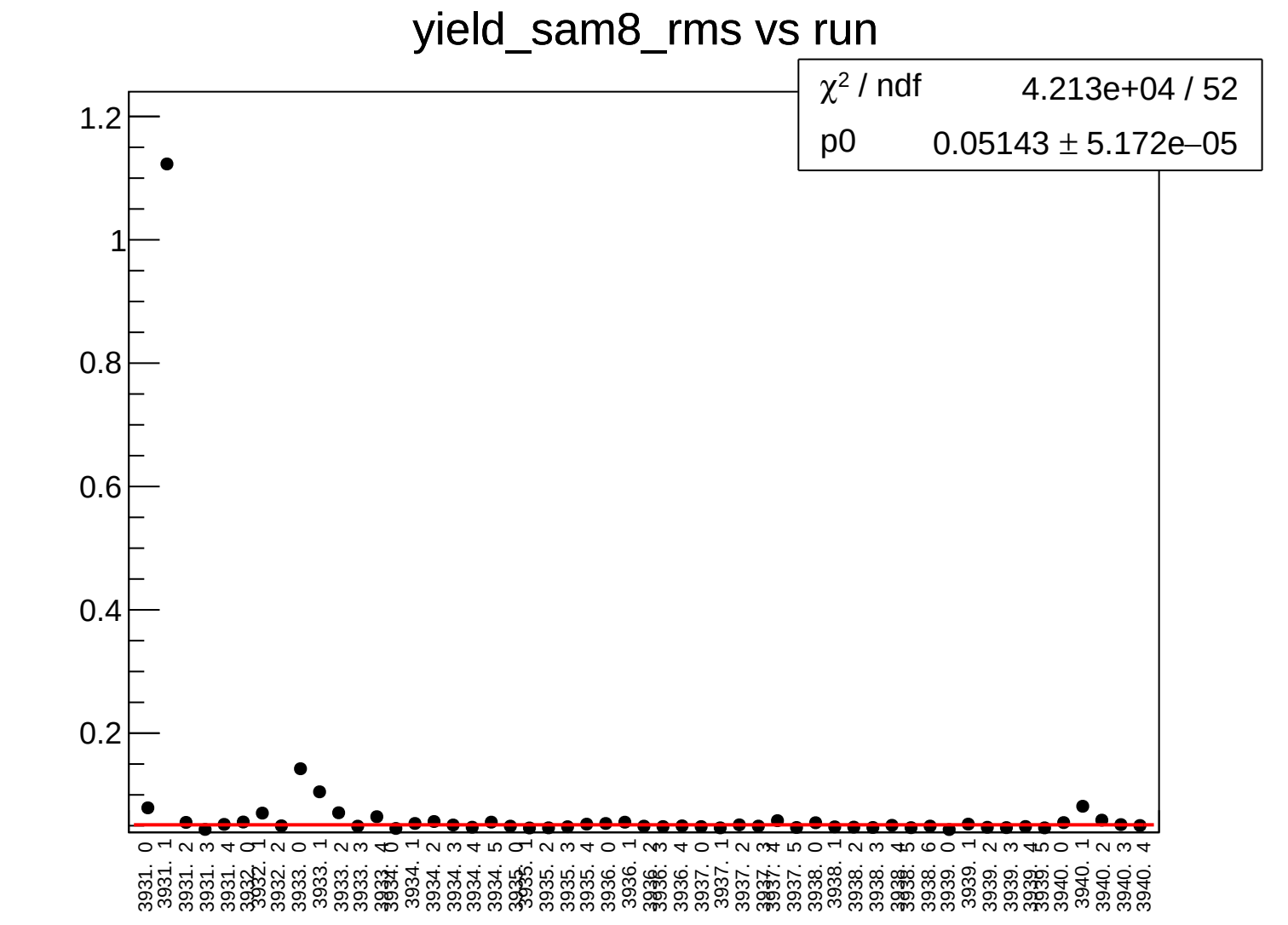

yield_sam6_rms vs run
χ² / ndf 5.421e+04 / 52
p0 0.07513 ± 7.602e−05
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

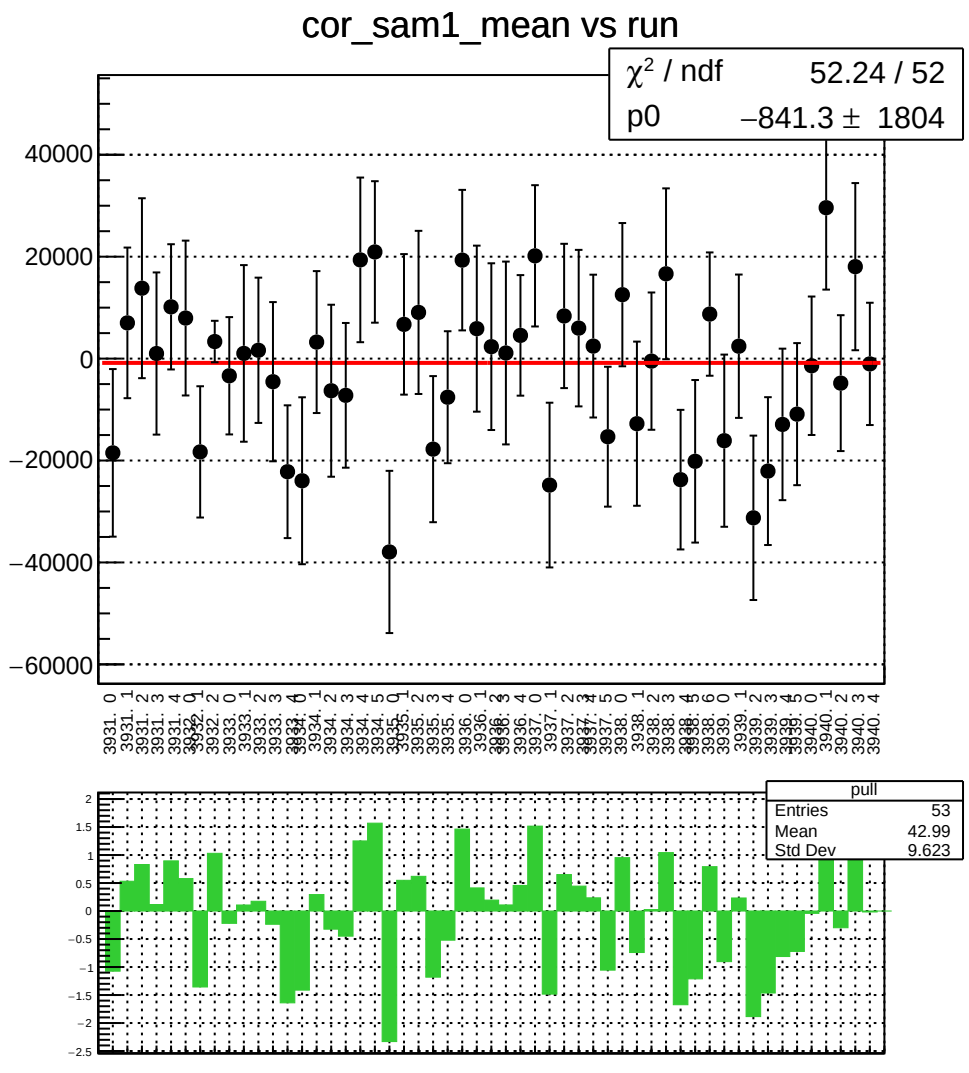

yield_sam7_mean vs run
χ² / ndf 8.32e+05 / 52
p0 26.92 ± 0.0001521
27.5
27
26.5
26
25.5
25
pull
Entries 53
Mean 1150
Std Dev 1116
200
100
0
−100
−200
−300
−400
pull1D
Entries 53
Mean 2.245
Std Dev 5.185
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

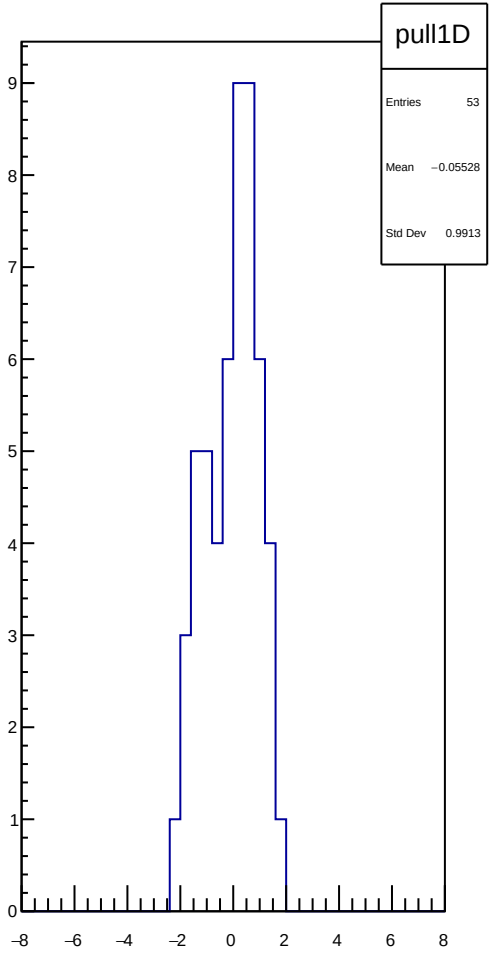

yield_sam7_rms vs run
χ² / ndf 6.707e+04 / 52
p0 0.1056 ± 0.0001075
4
3.5
3
2.5
2
1.5
1
0.5
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

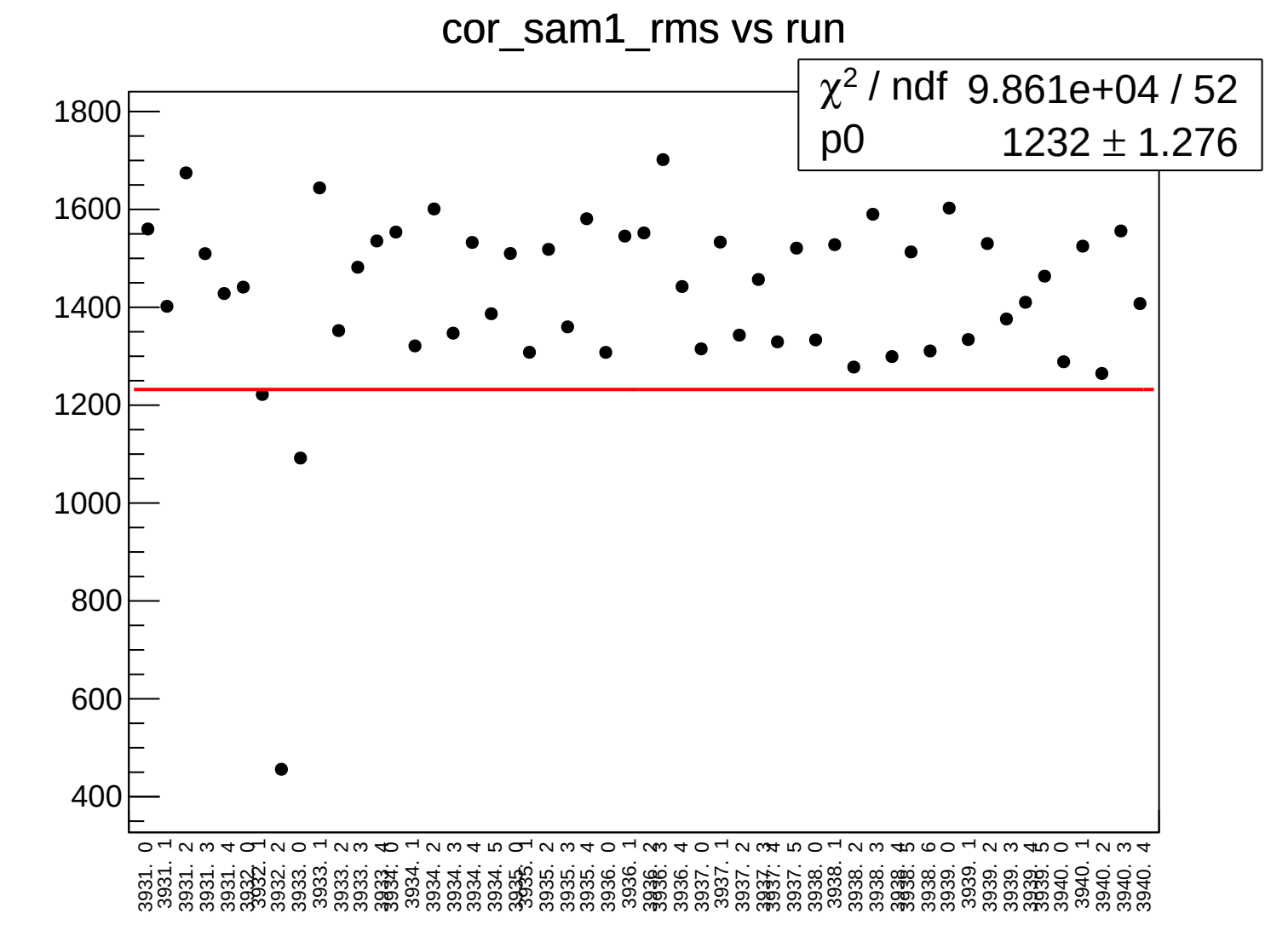

yield_sam8_mean vs run
χ² / ndf 1.921e+06 / 52
p0 11.67 ± 7.314e−05
11.8
11.6
11.4
11.2
11
10.8
pull
Entries 53
Mean −24.88
Std Dev 33.95
300
200
100
0
−100
−200
−300
−400

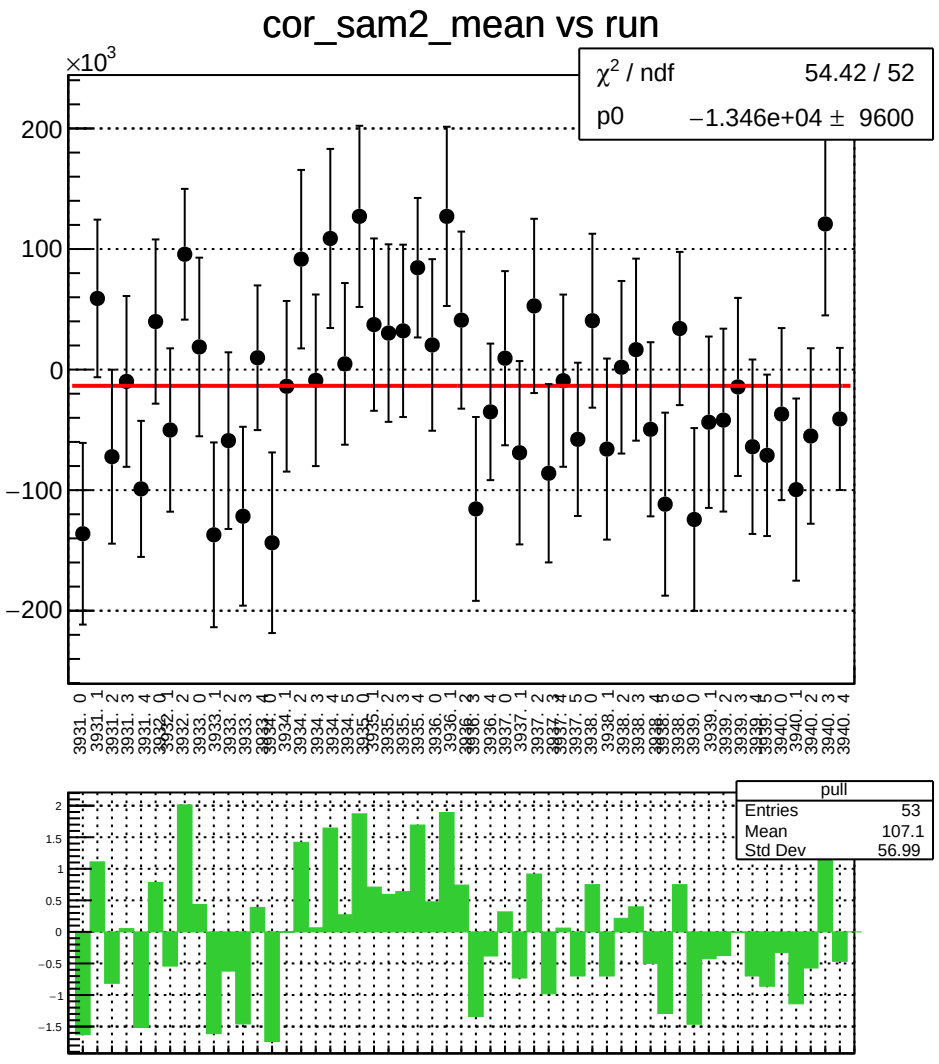

pull1D
Entries 53
Mean −1.583
Std Dev 0.4585
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

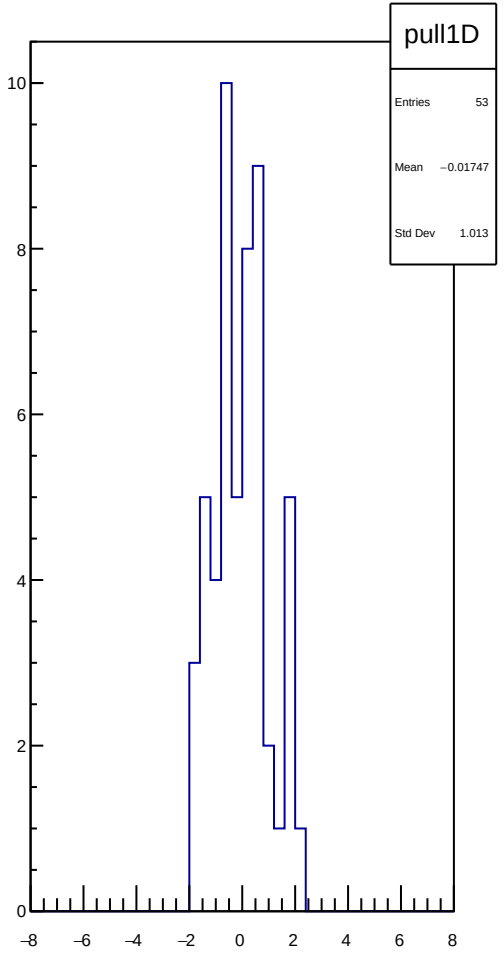

yield_sam8_rms vs run
χ² / ndf 4.213e+04 / 52
p0 0.05143 ± 5.172e–05
1.2
1
0.8
0.6
0.4
0.2
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

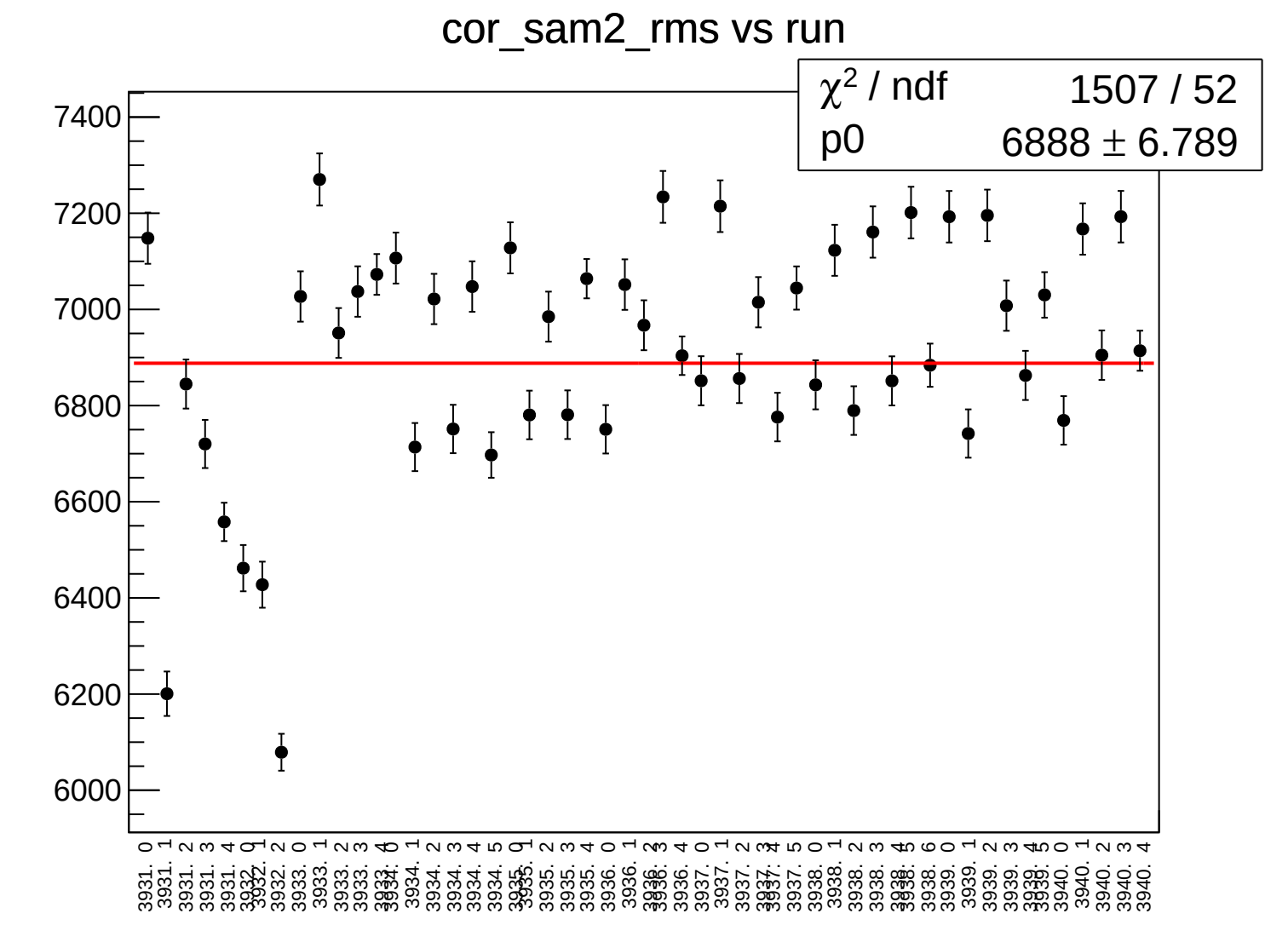

cor_sam1_mean vs run
χ² / ndf 52.24 / 52
p0 −841.3 ± 1804
pull
Entries 53
Mean 42.99
Std Dev 9.623

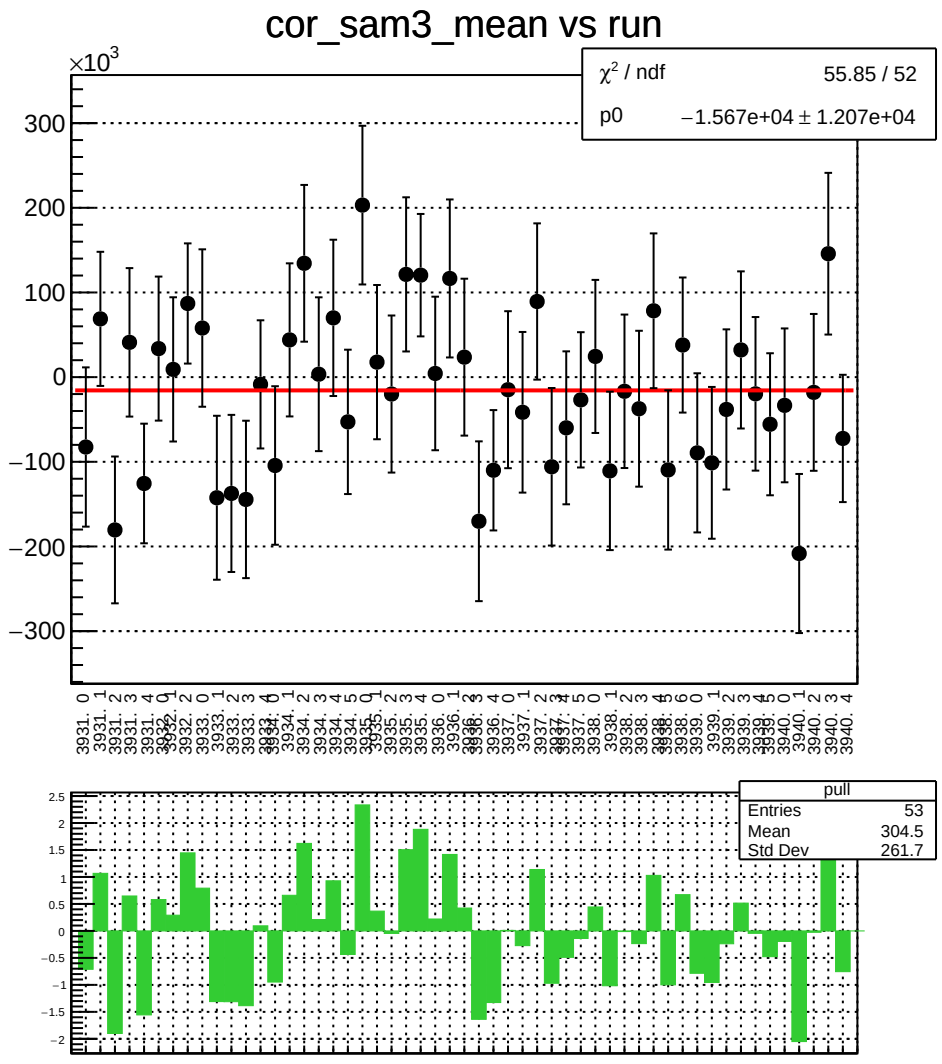

pull1D
Entries 53
Mean −0.05528
Std Dev 0.9913

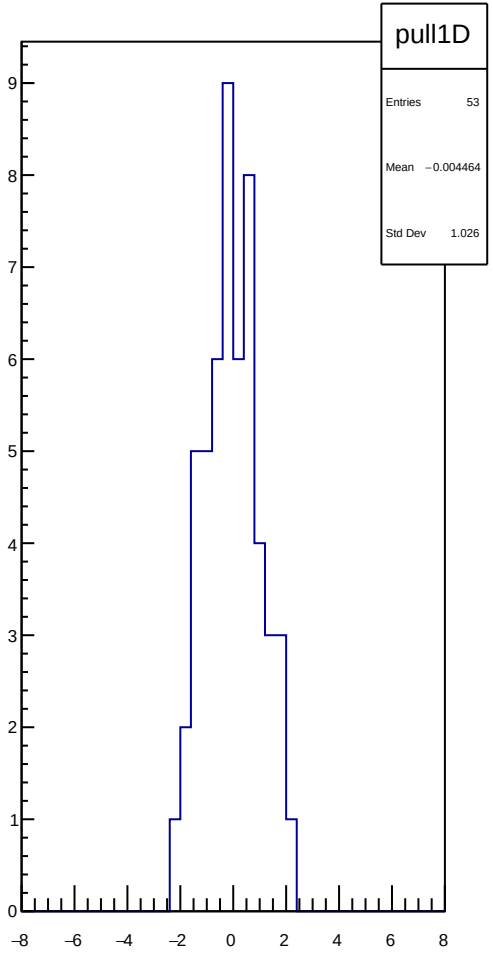

cor_sam1_rms vs run
χ² / ndf 9.861e+04 / 52
p0 1232 ± 1.276
1800
1600
1400
1200
1000
800
600
400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

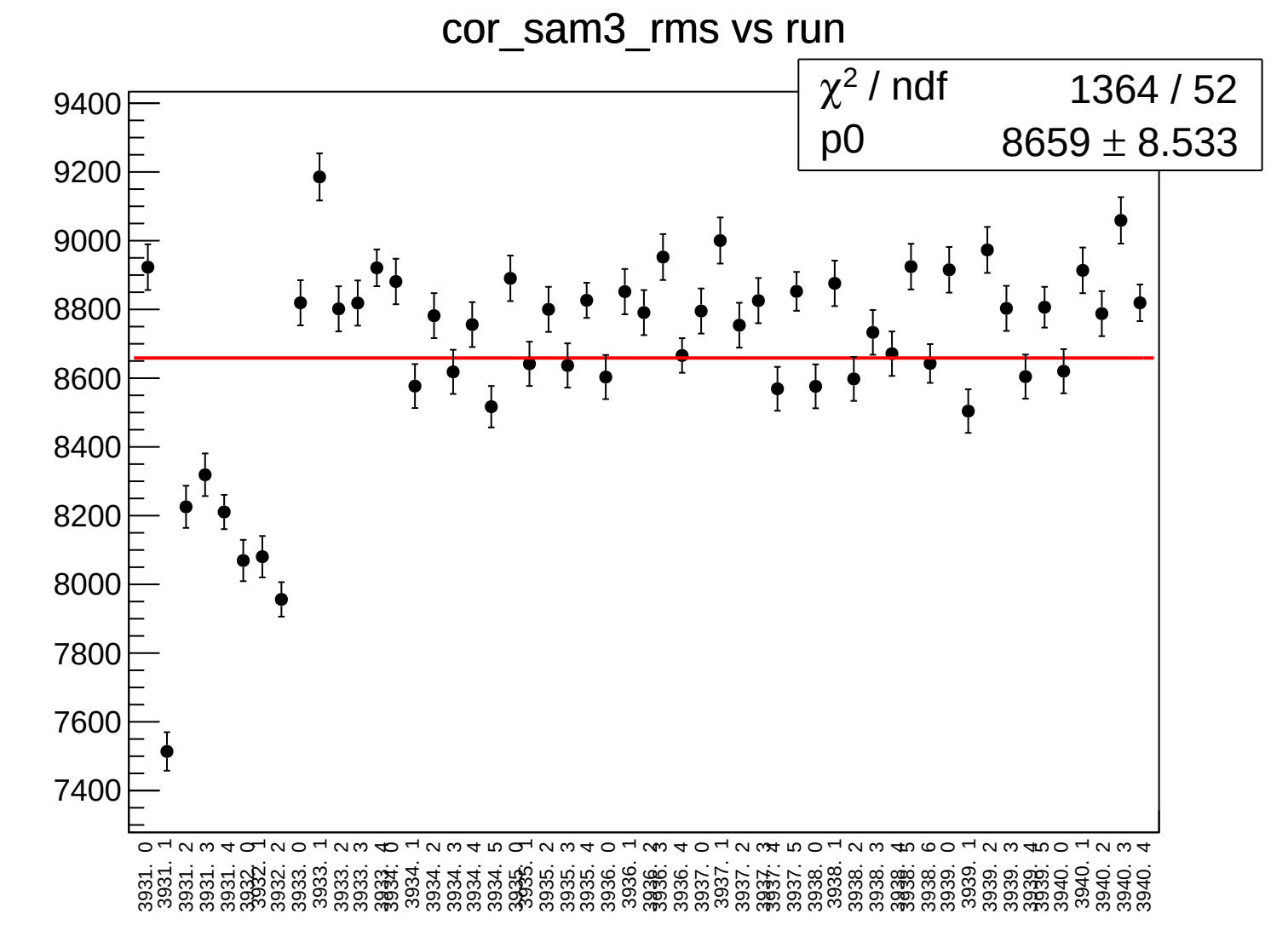

cor_sam2_mean vs run
×10^3
χ² / ndf 54.42 / 52
p0 −1.346e+04 ± 9600
200
100
0
−100
−200
pull
Entries 53
Mean 107.1
Std Dev 56.99
2
1.5
1
0.5
0
−0.5
−1
−1.5

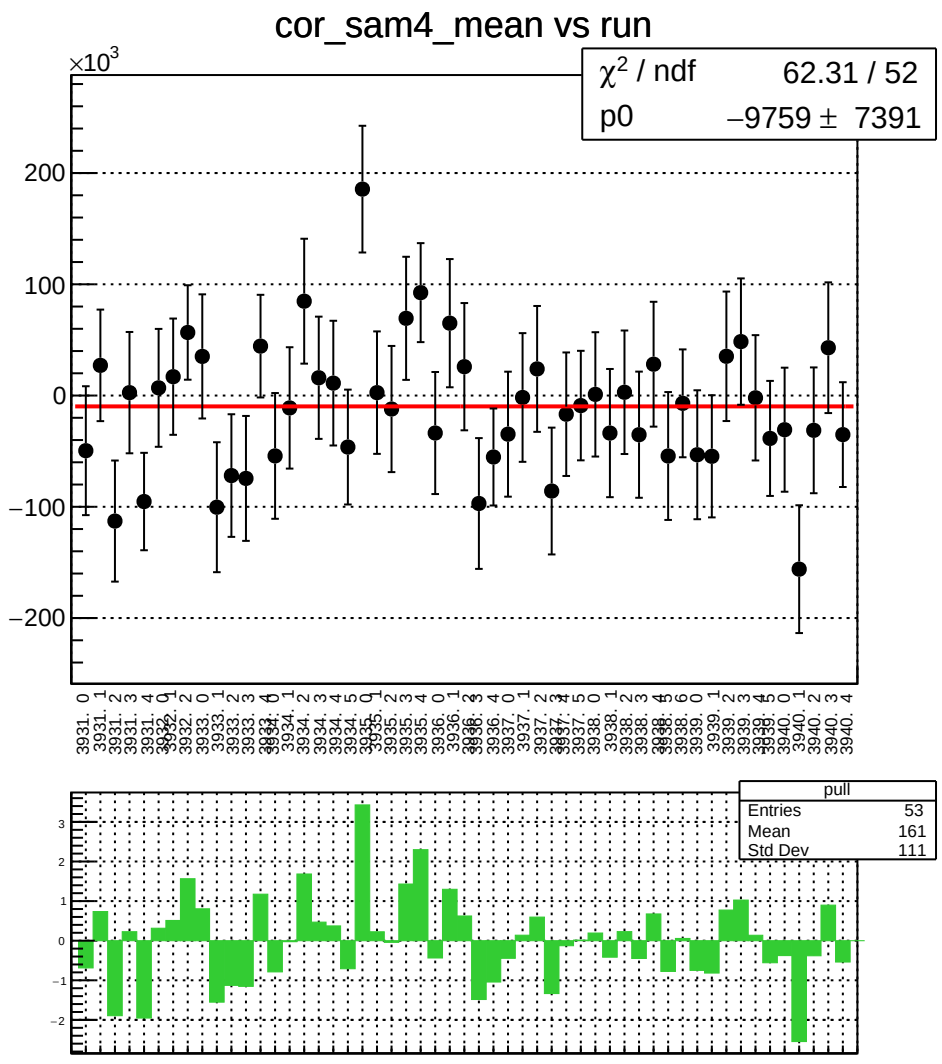

pull1D
Entries 53
Mean −0.01747
Std Dev 1.013
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

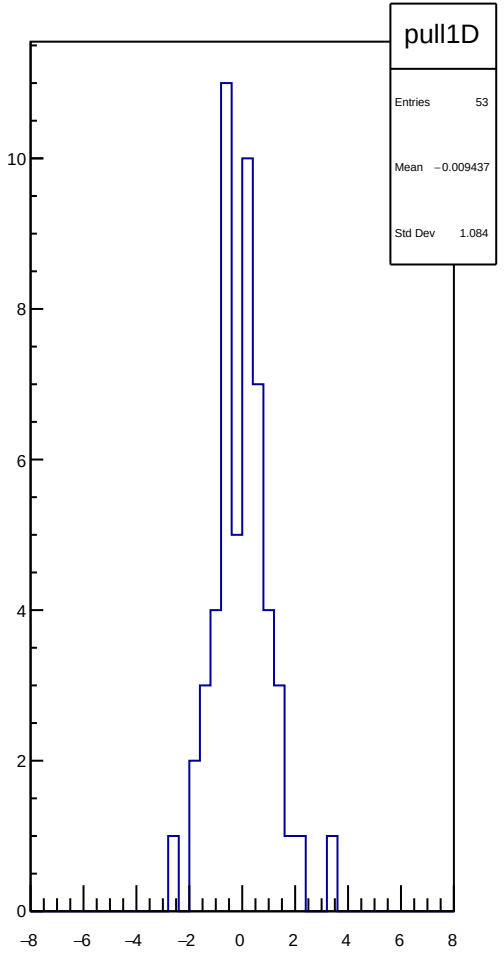

cor_sam2_rms vs run
χ² / ndf 1507 / 52
p0 6888 ± 6.789
7400
7200
7000
6800
6600
6400
6200
6000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

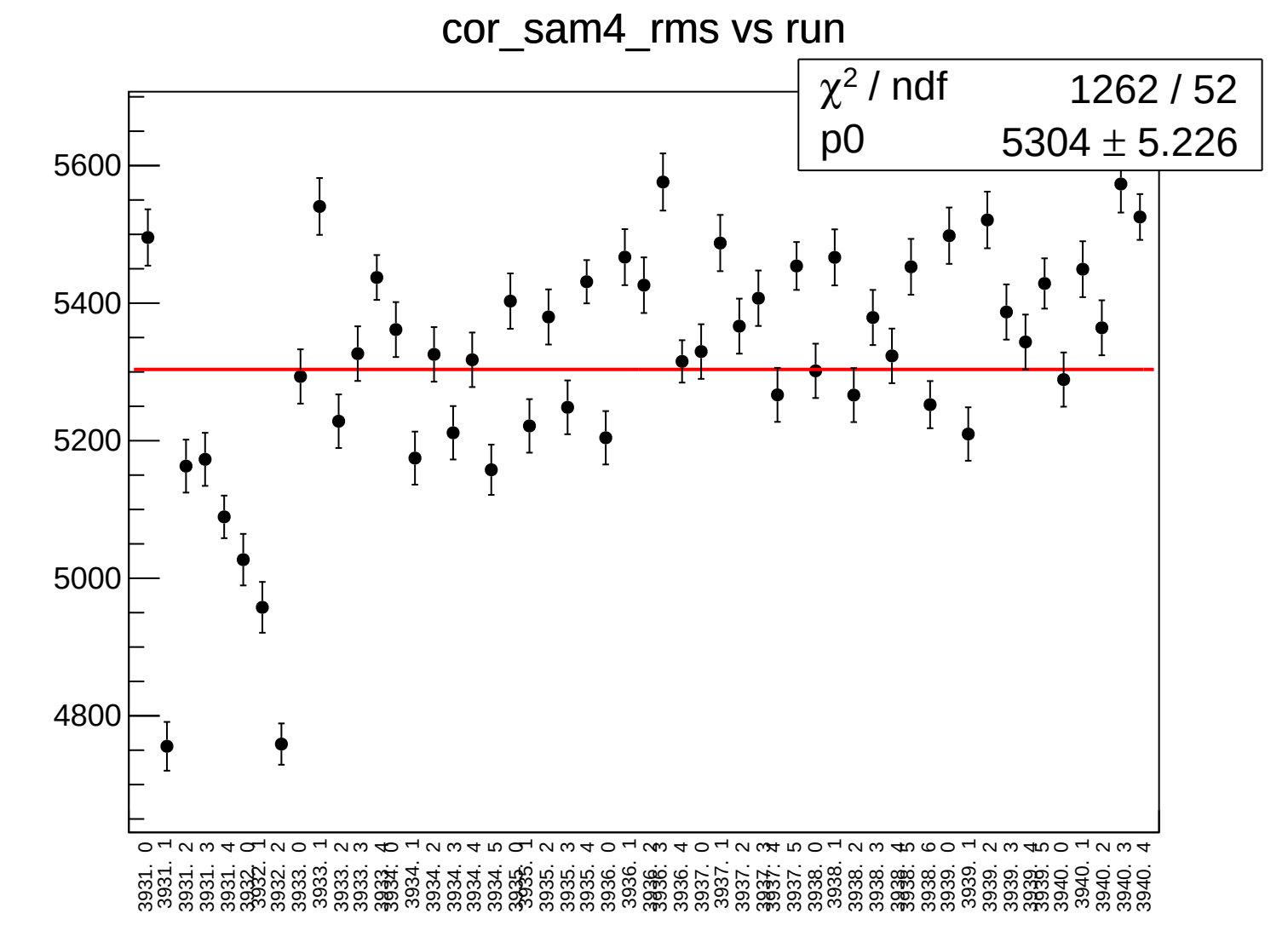

cor_sam3_mean vs run
×10^3
χ² / ndf 55.85 / 52
p0 −1.567e+04 ± 1.207e+04
pull
Entries 53
Mean 304.5
Std Dev 261.7

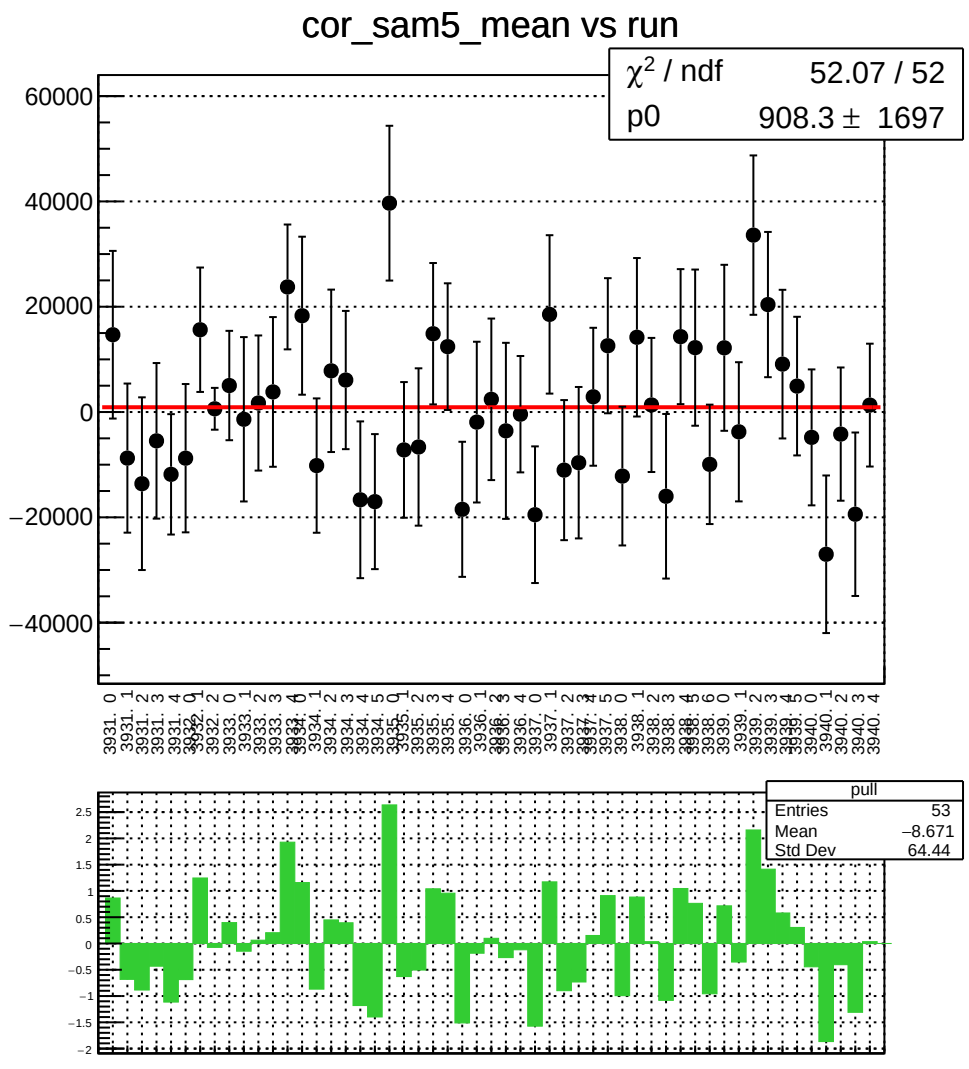

pull1D
Entries 53
Mean −0.004464
Std Dev 1.026

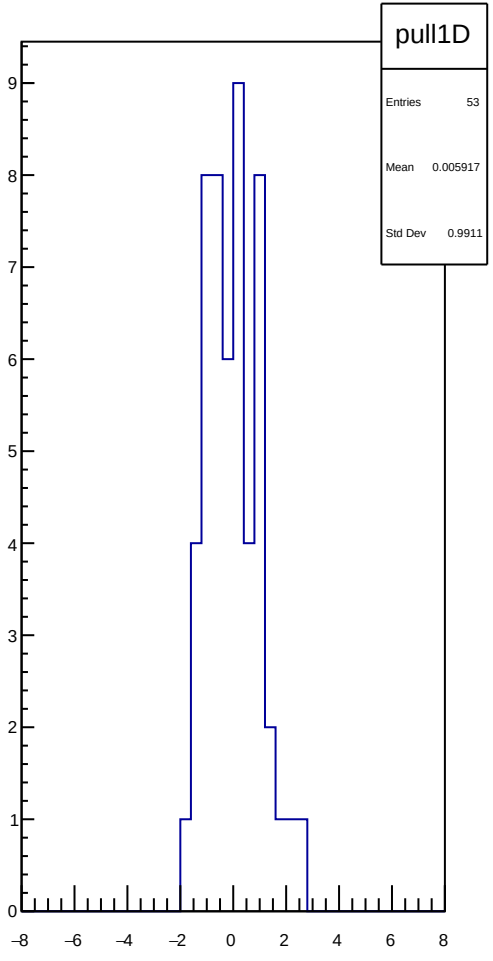

cor_sam3_rms vs run
χ² / ndf 1364 / 52
p0 8659 ± 8.533
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

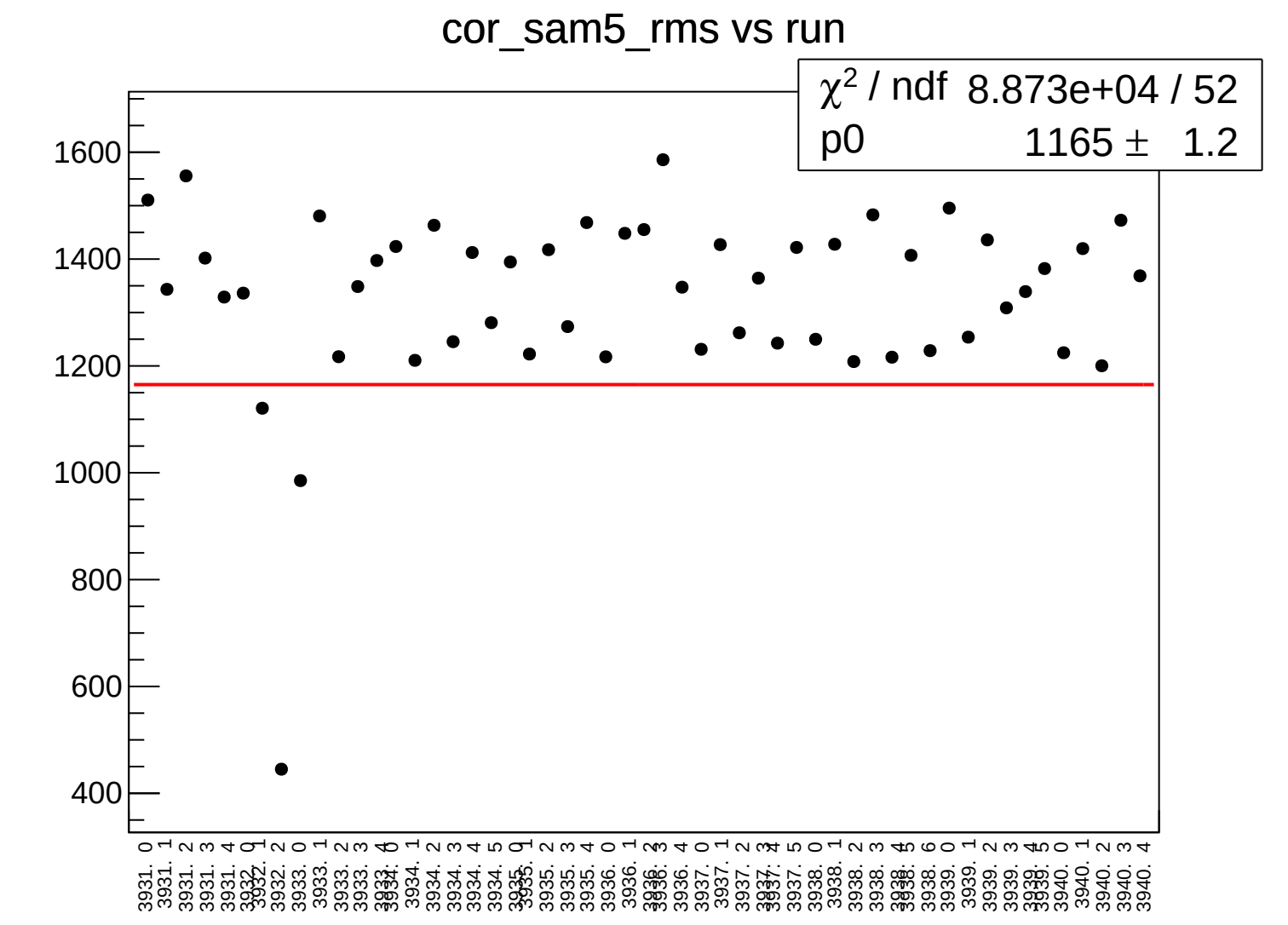

cor_sam4_mean vs run
×10^3
χ² / ndf 62.31 / 52
p0 −9759 ± 7391
200
100
0
−100
−200
pull
Entries 53
Mean 161
Std Dev 111
3
2
1
0
−1
−2

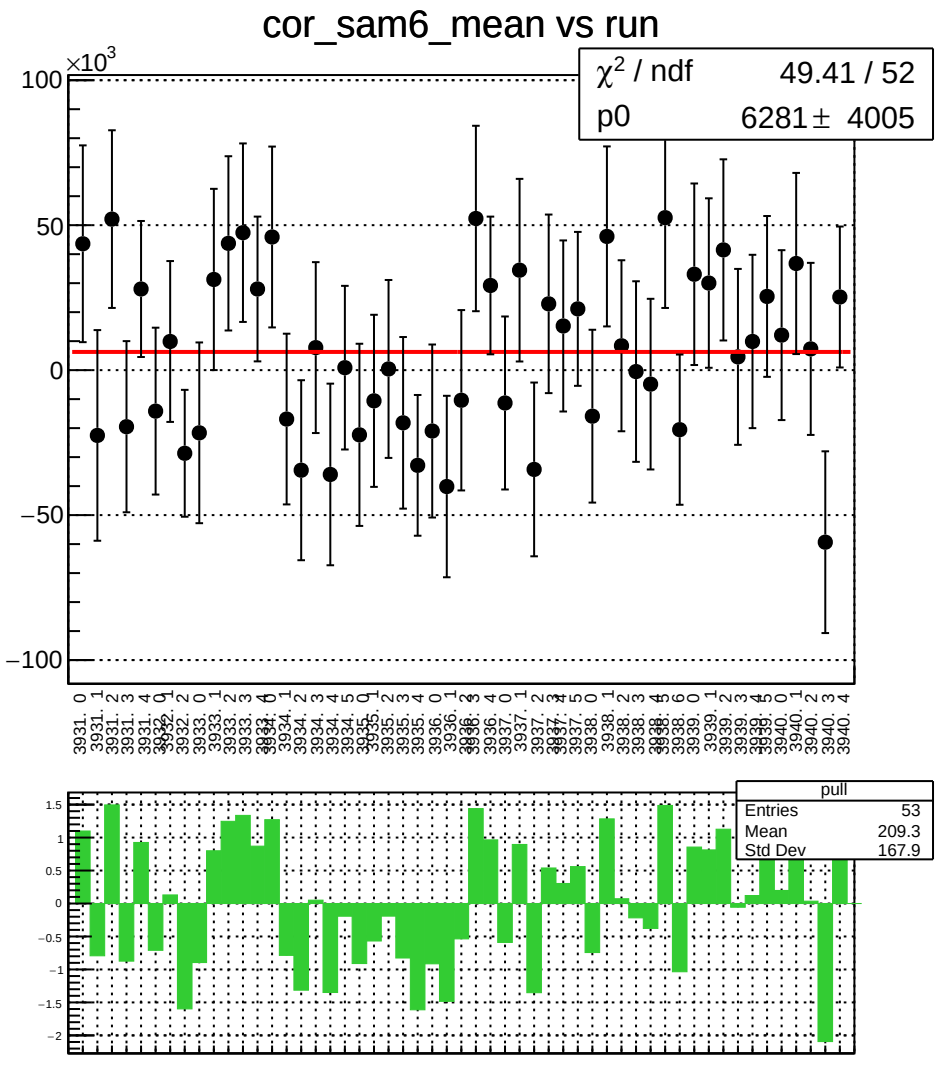

pull1D
Entries 53
Mean −0.009437
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

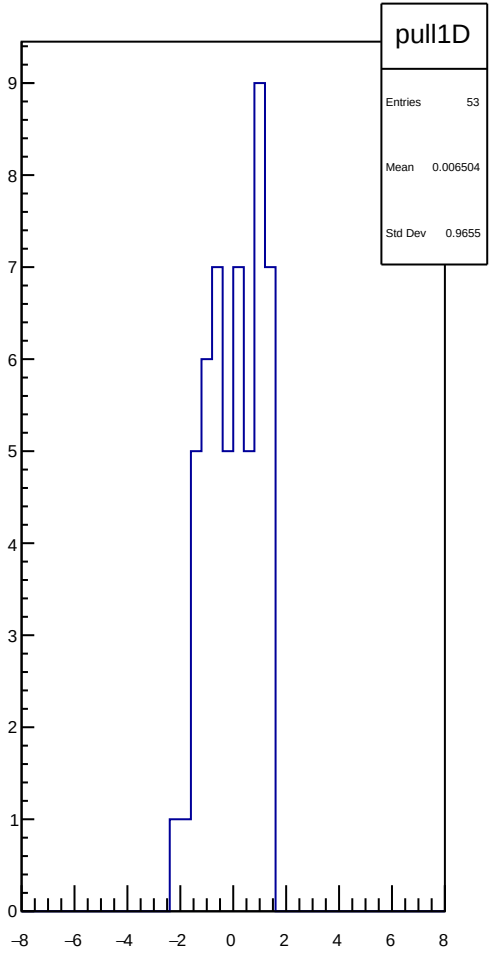

cor_sam4_rms vs run
χ² / ndf 1262 / 52
p0 5304 ± 5.226
5600
5400
5200
5000
4800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

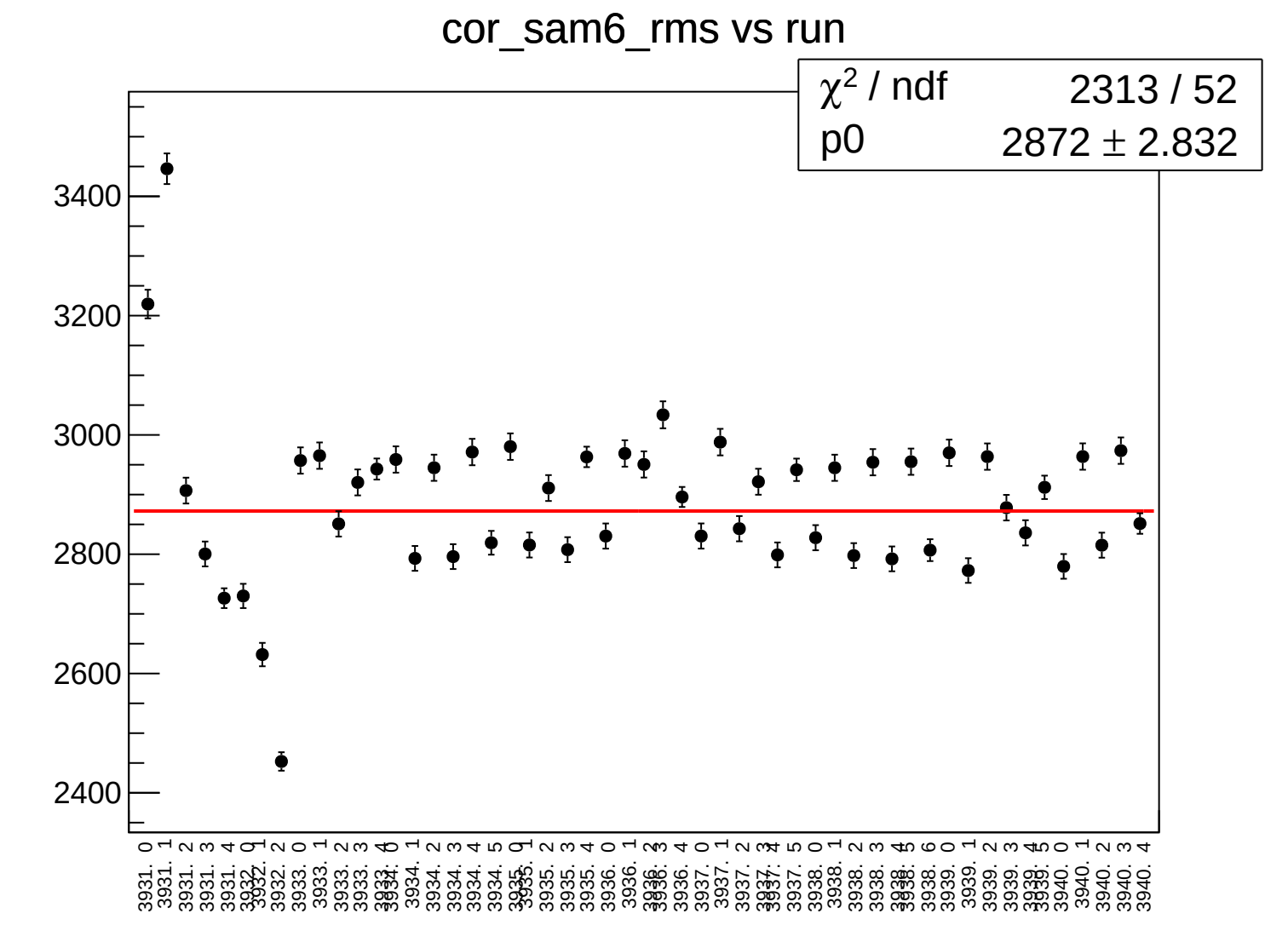

cor_sam5_mean vs run
χ² / ndf 52.07 / 52
p0 908.3 ± 1697
pull
Entries 53
Mean −8.671
Std Dev 64.44

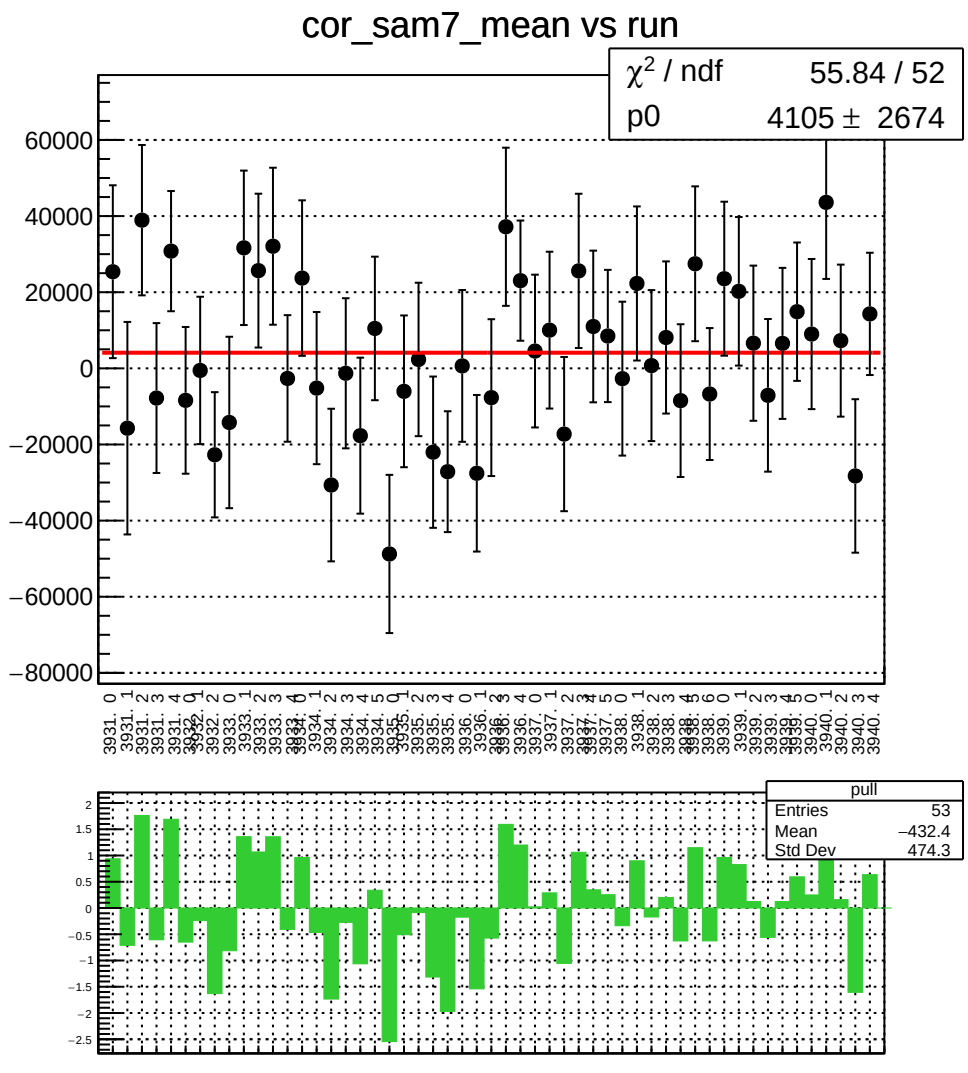

pull1D
Entries 53
Mean 0.005917
Std Dev 0.9911

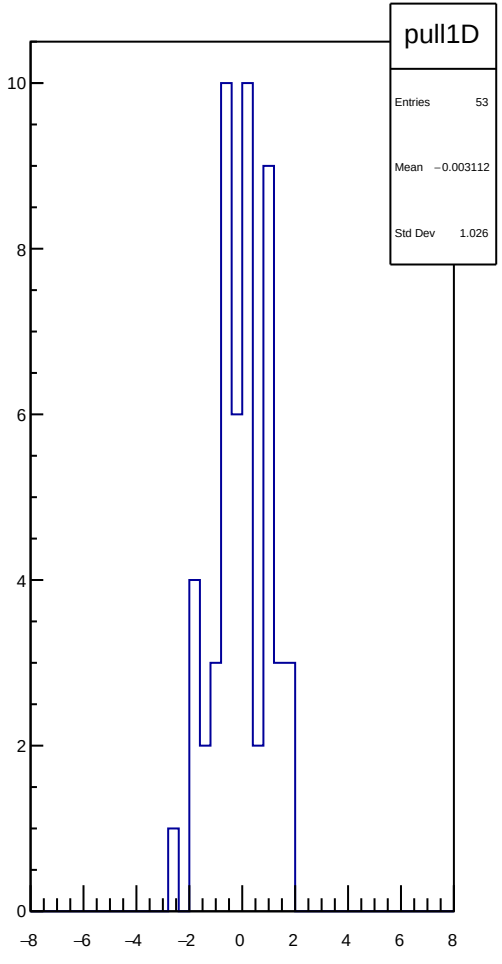

cor_sam5_rms vs run
χ² / ndf 8.873e+04 / 52
p0 1165 ± 1.2
1600
1400
1200
1000
800
600
400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

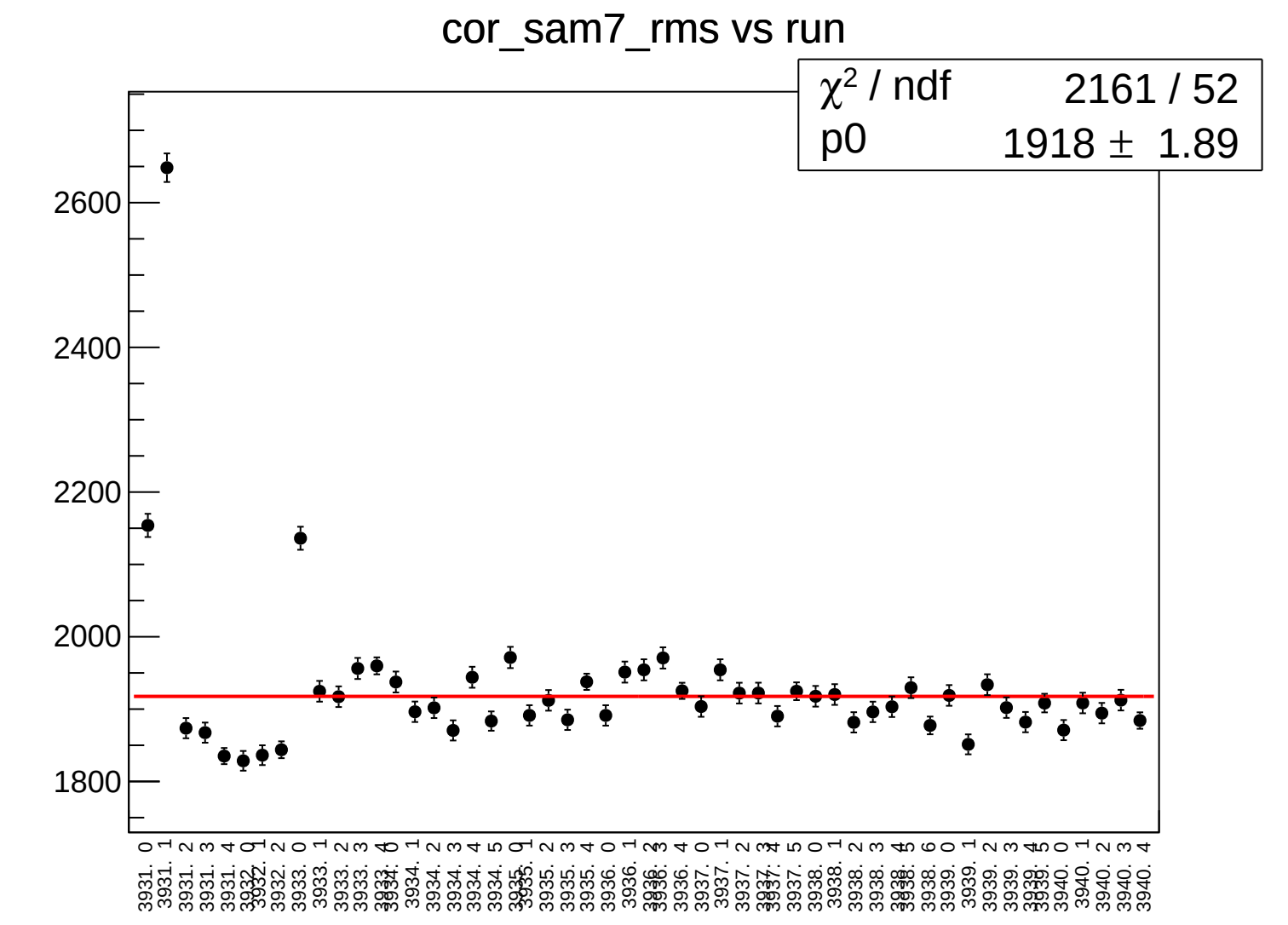

cor_sam6_mean vs run
×10^3
χ² / ndf 49.41 / 52
p0 6281 ± 4005
pull
Entries 53
Mean 209.3
Std Dev 167.9

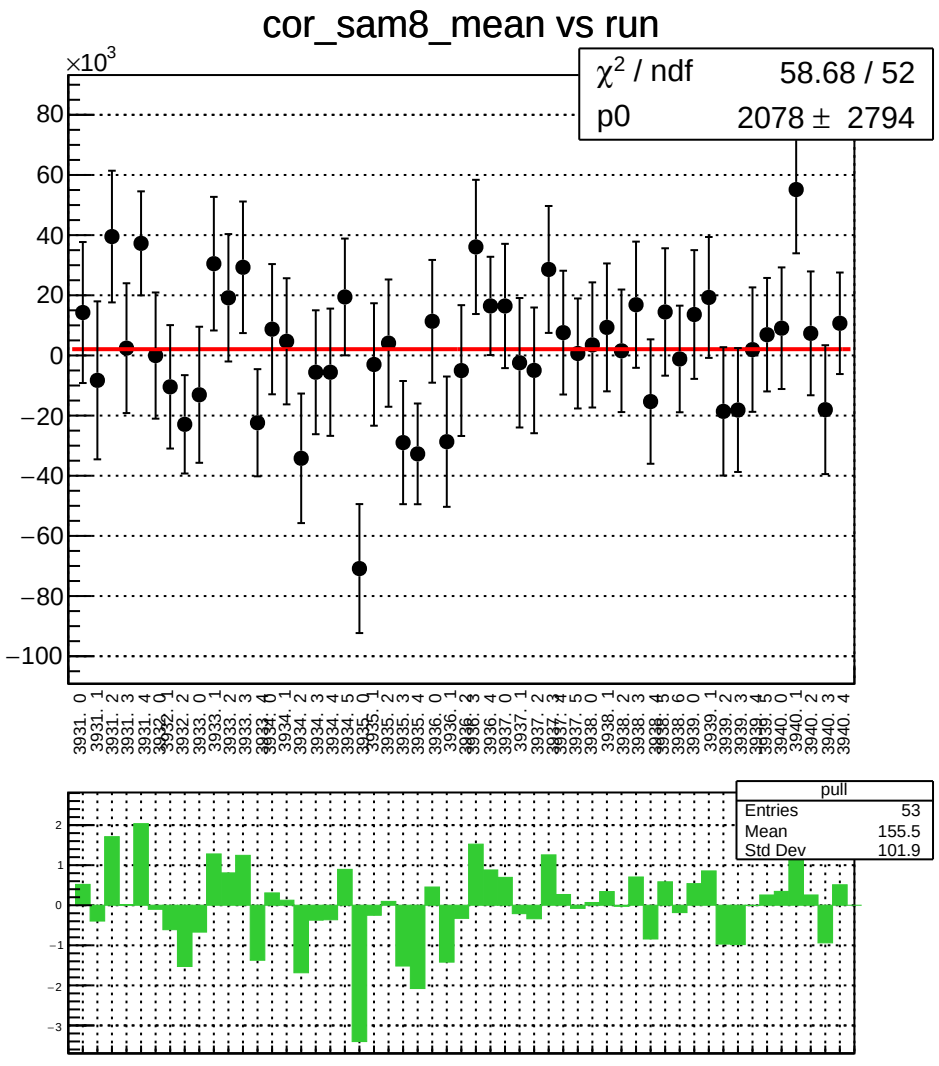

pull1D
Entries 53
Mean 0.006504
Std Dev 0.9655

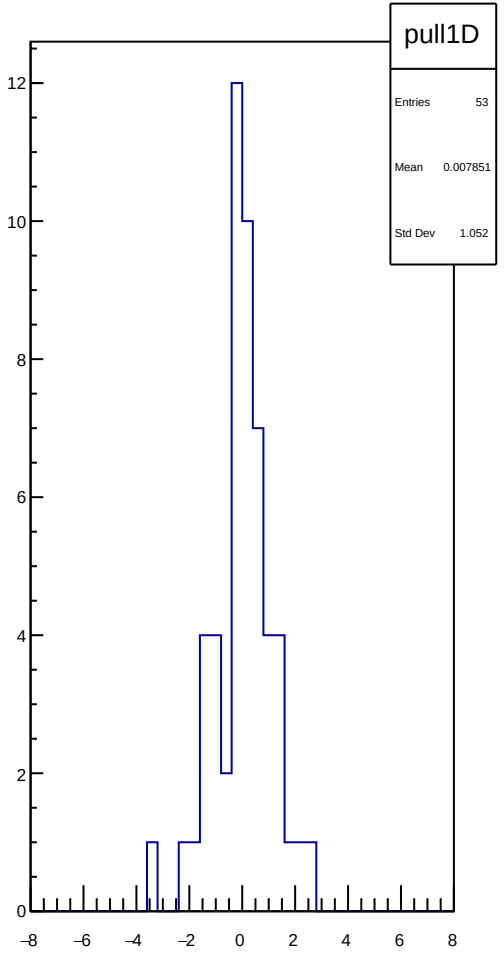

cor_sam6_rms vs run
χ² / ndf 2313 / 52
p0 2872 ± 2.832
3400
3200
3000
2800
2600
2400

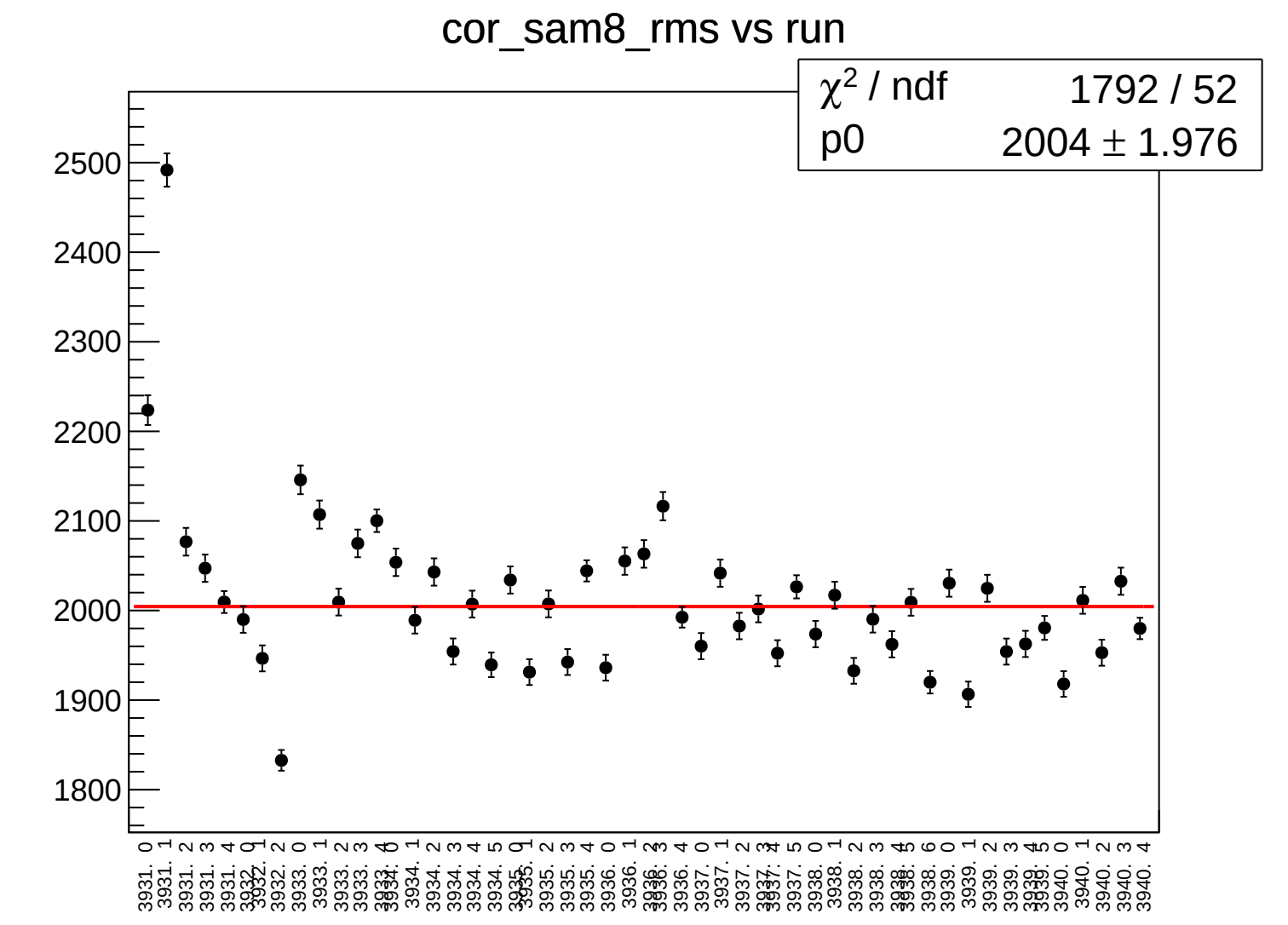

cor_sam7_mean vs run
χ² / ndf 55.84 / 52
p0 4105 ± 2674
pull
Entries 53
Mean −432.4
Std Dev 474.3


pull1D
Entries 53
Mean −0.003112
Std Dev 1.026


cor_sam7_rms vs run
χ² / ndf 2161 / 52
p0 1918 ± 1.89
2600
2400
2200
2000
1800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


cor_sam8_mean vs run
×10^3
χ² / ndf 58.68 / 52
p0 2078 ± 2794
pull
Entries 53
Mean 155.5
Std Dev 101.9


pull1D
Entries 53
Mean 0.007851
Std Dev 1.052


cor_sam8_rms vs run
χ² / ndf 1792 / 52
p0 2004 ± 1.976
2500
2400
2300
2200
2100
2000
1900
1800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
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3936. 0
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3936. 2
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3936. 4
3937. 0
3937. 1
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3937. 3
3937. 4
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3938. 4
3938. 5
3938. 6
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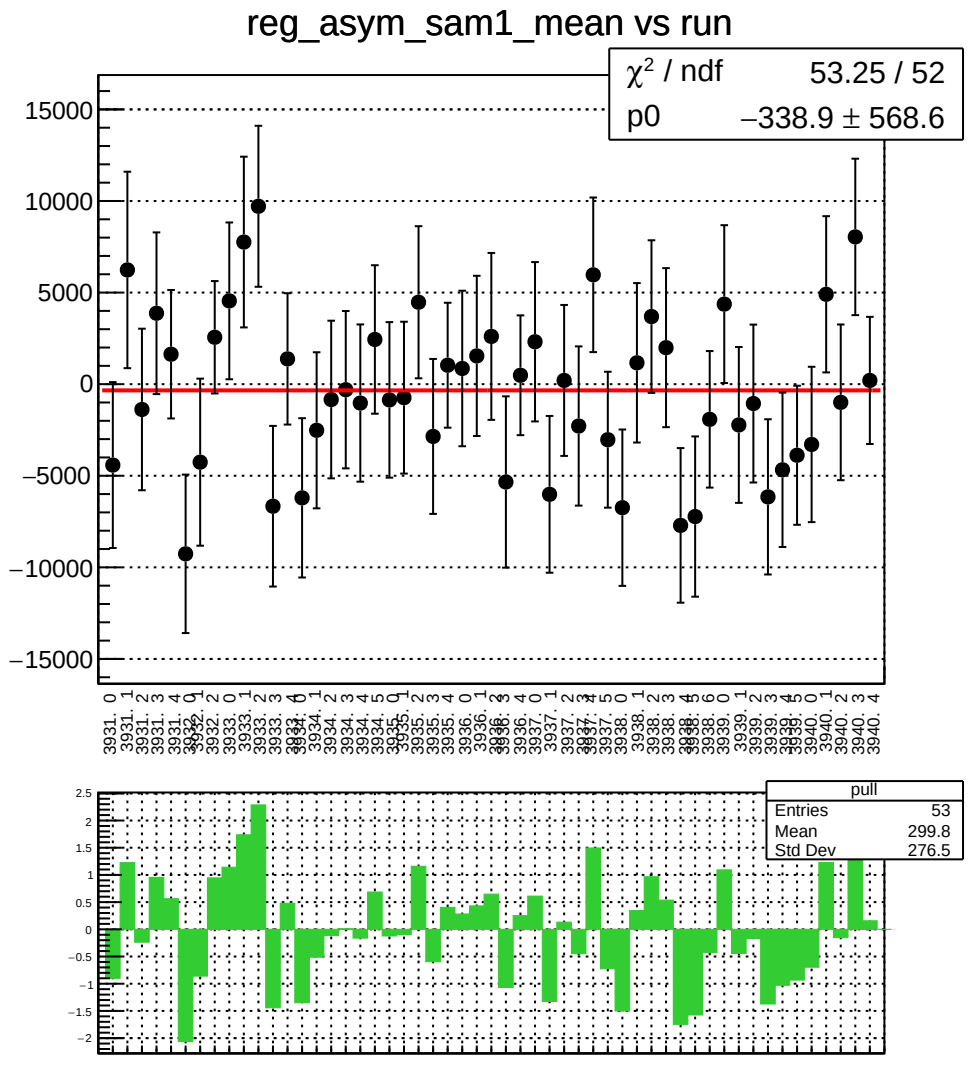
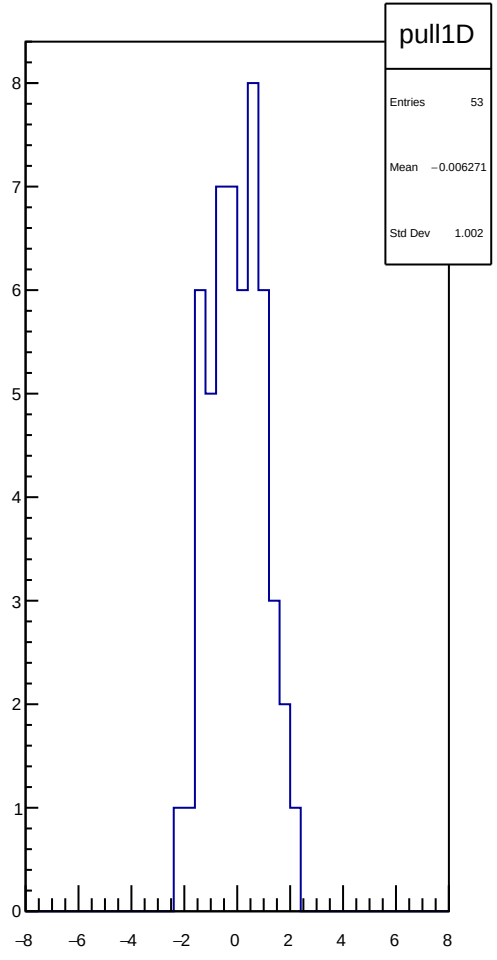
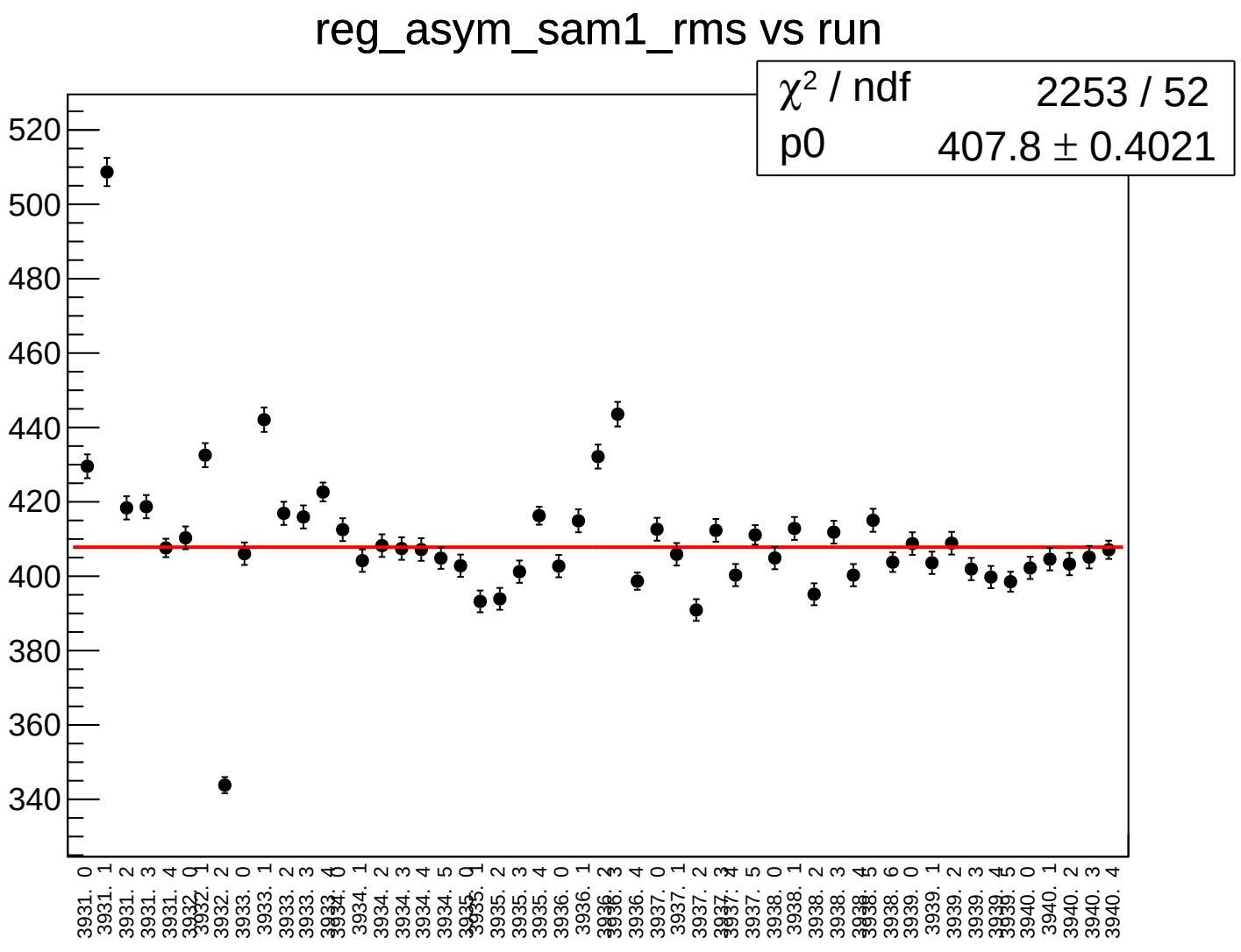
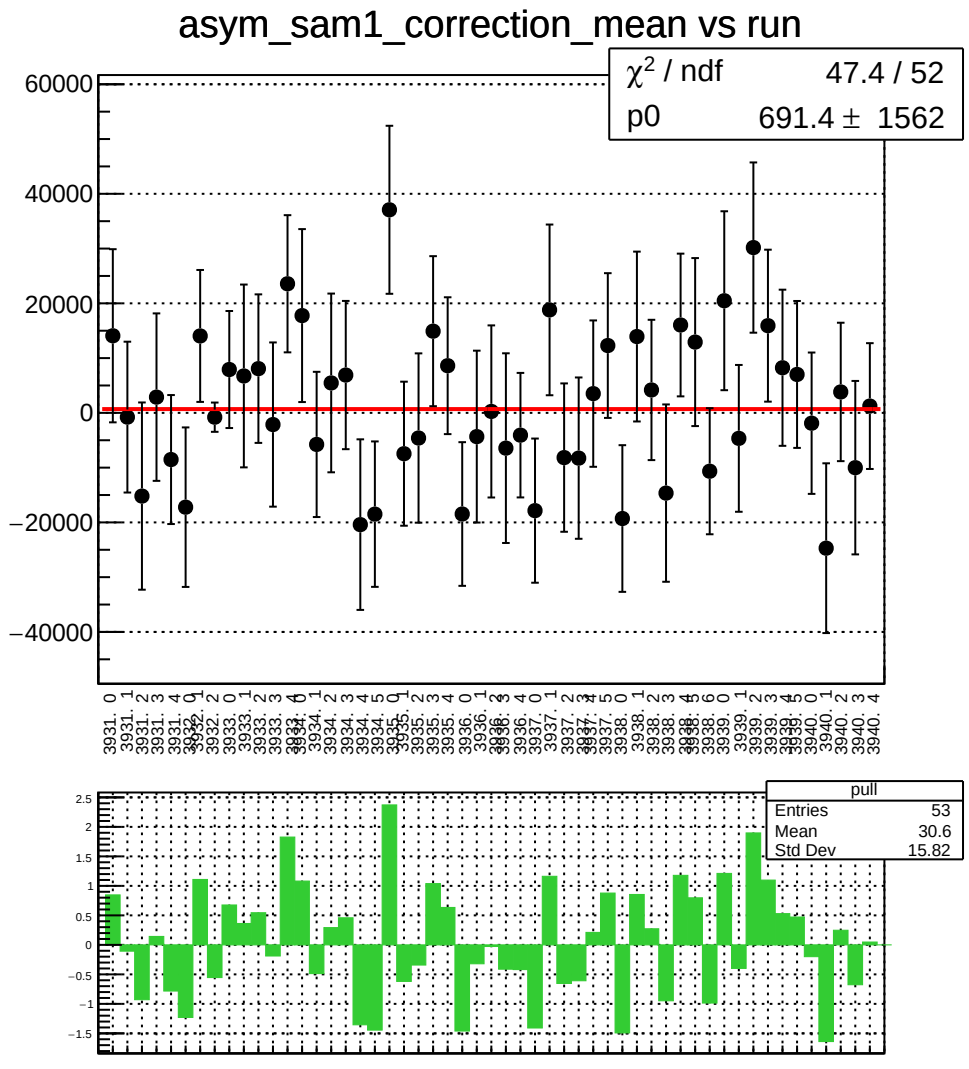
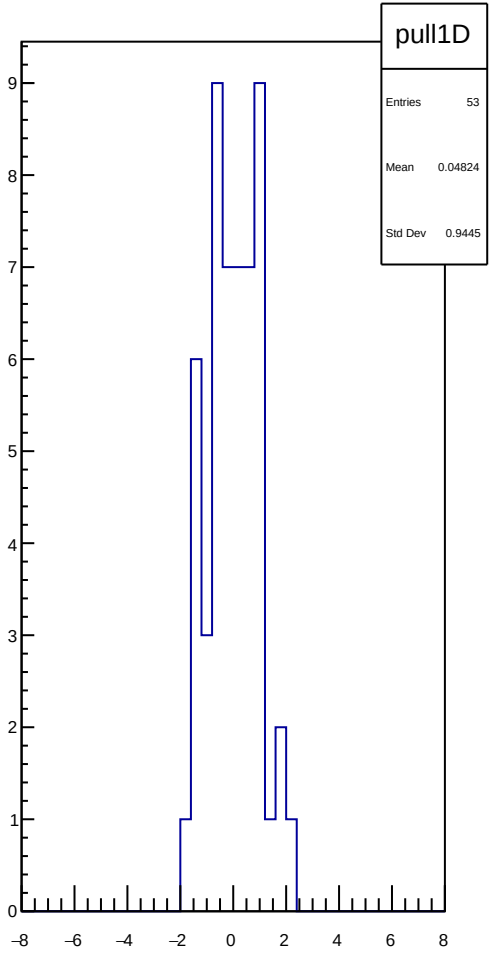
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

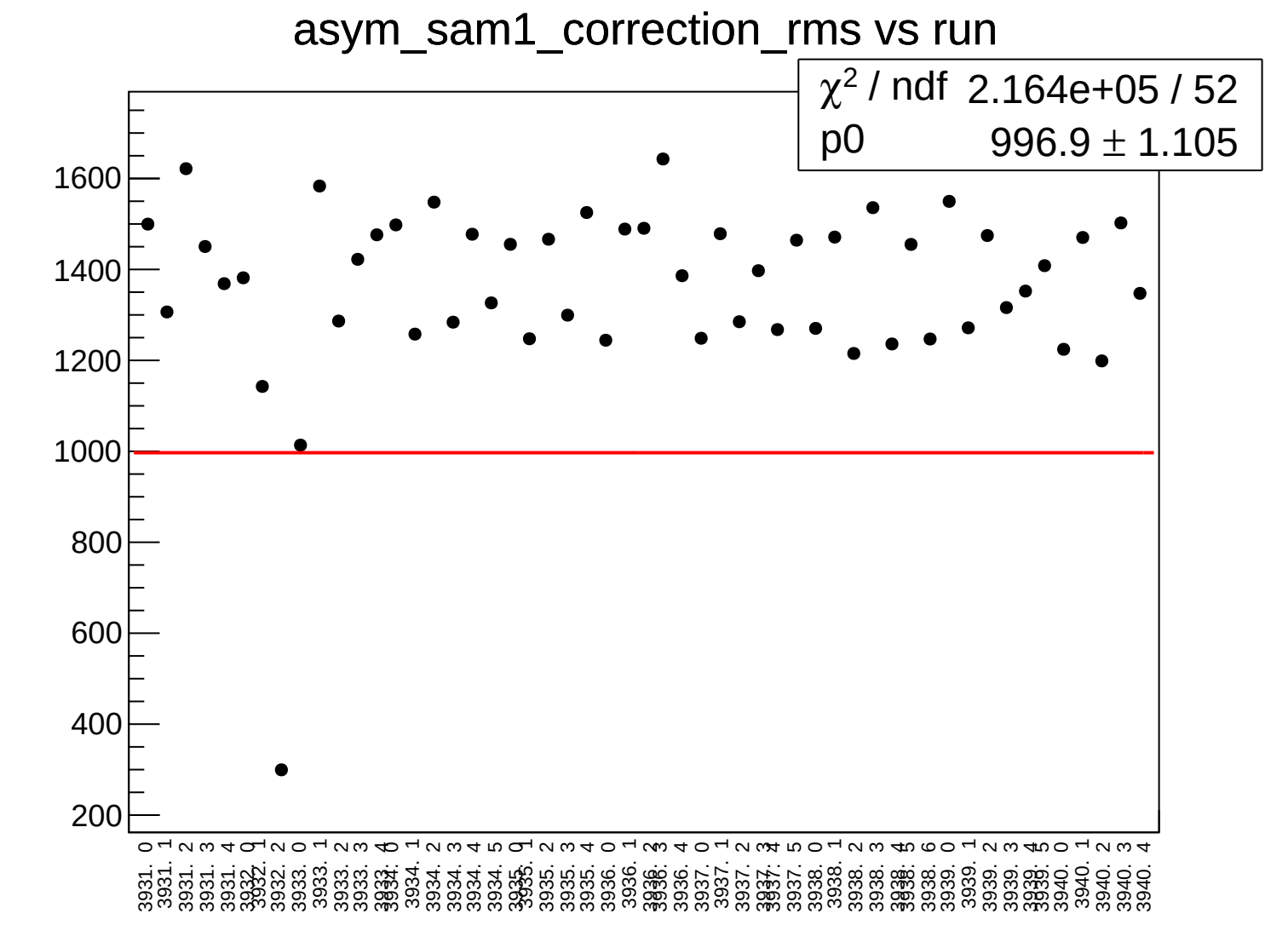

reg_asym_sam1_mean vs run
χ² / ndf 53.25 / 52
p0 −338.9 ± 568.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 299.8
Std Dev 276.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

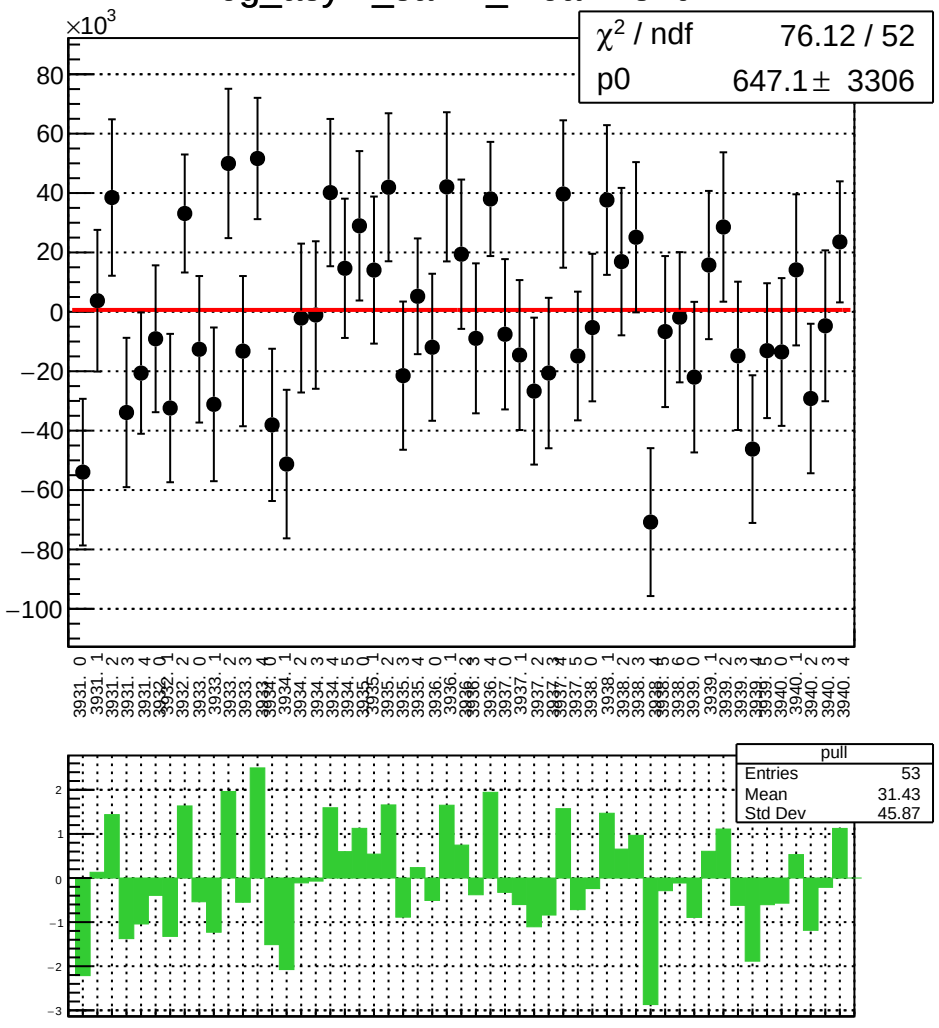

pull1D
Entries 53
Mean −0.006271
Std Dev 1.002
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

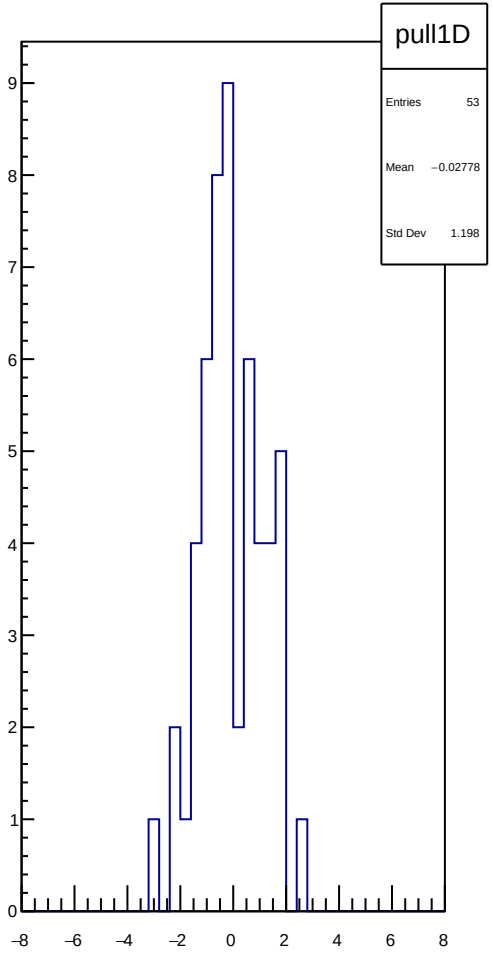

reg_asym_sam1_rms vs run
χ² / ndf 2253 / 52
p0 407.8 ± 0.4021
520
500
480
460
440
420
400
380
360
340

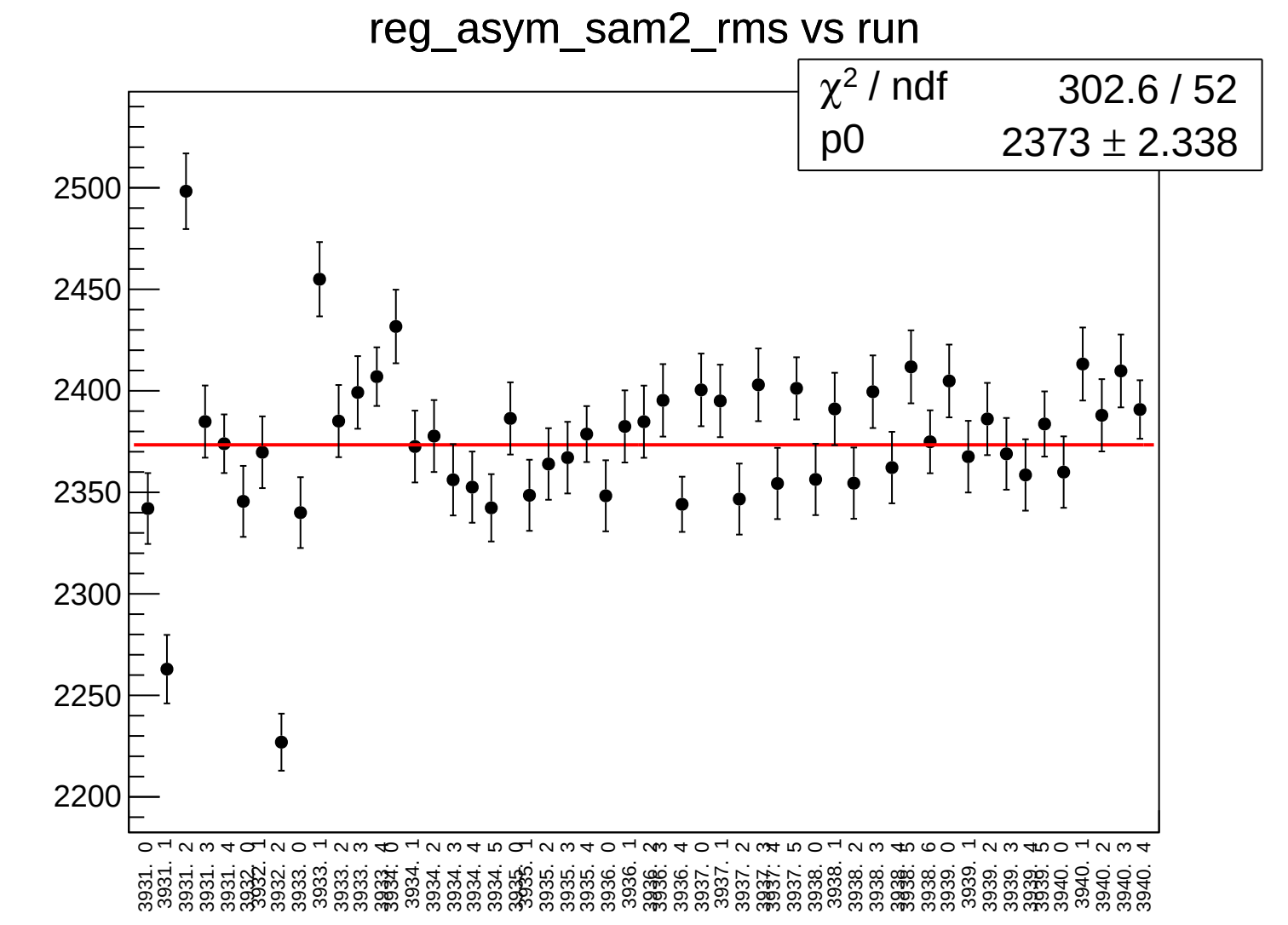

asym_sam1_correction_mean vs run
χ² / ndf 47.4 / 52
p0 691.4 ± 1562
pull
Entries 53
Mean 30.6
Std Dev 15.82

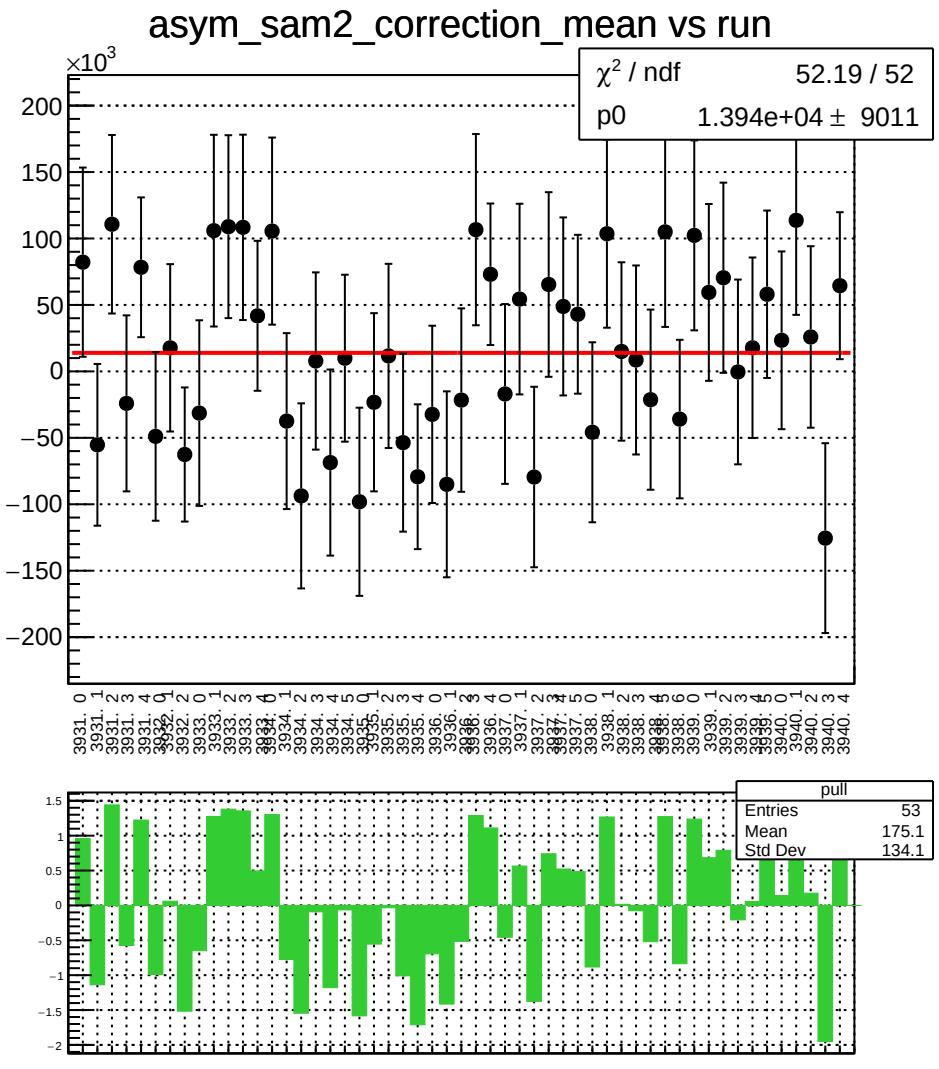

pull1D
Entries 53
Mean 0.04824
Std Dev 0.9445

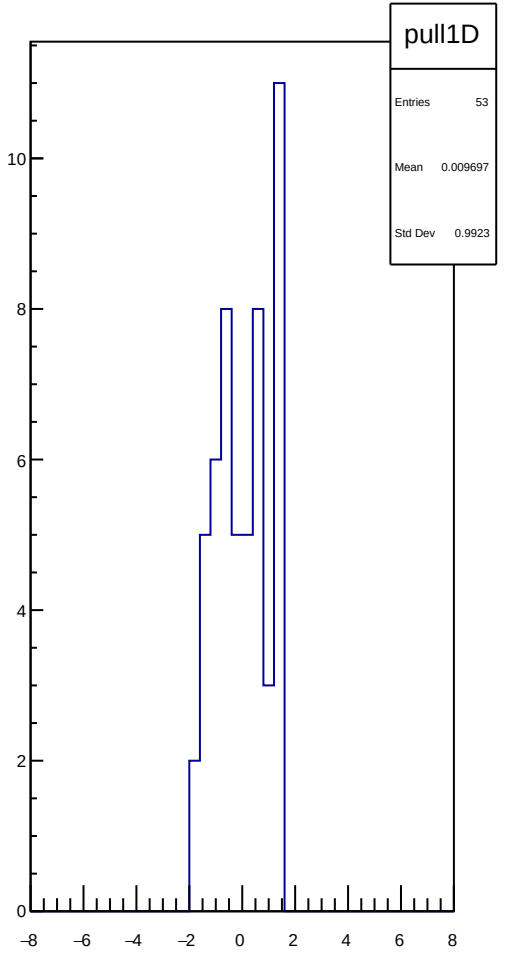

asym_sam1_correction_rms vs run
χ² / ndf 2.164e+05 / 52
p0 996.9 ± 1.105
1600
1400
1200
1000
800
600
400
200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

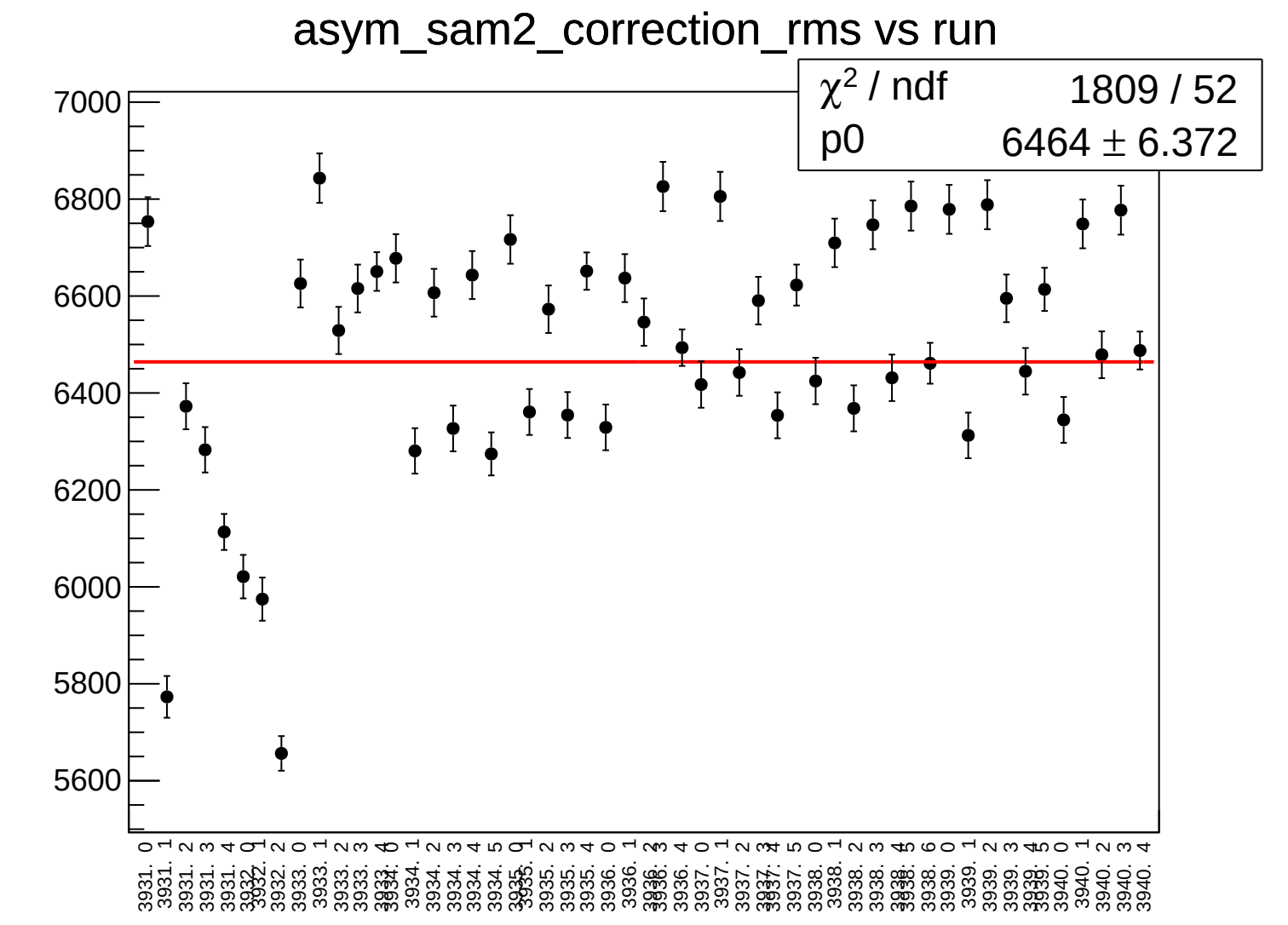

reg_asym_sam2_mean vs run
χ² / ndf 76.12 / 52
p0 647.1 ± 3306
×10³
pull
Entries 53
Mean 31.43
Std Dev 45.87

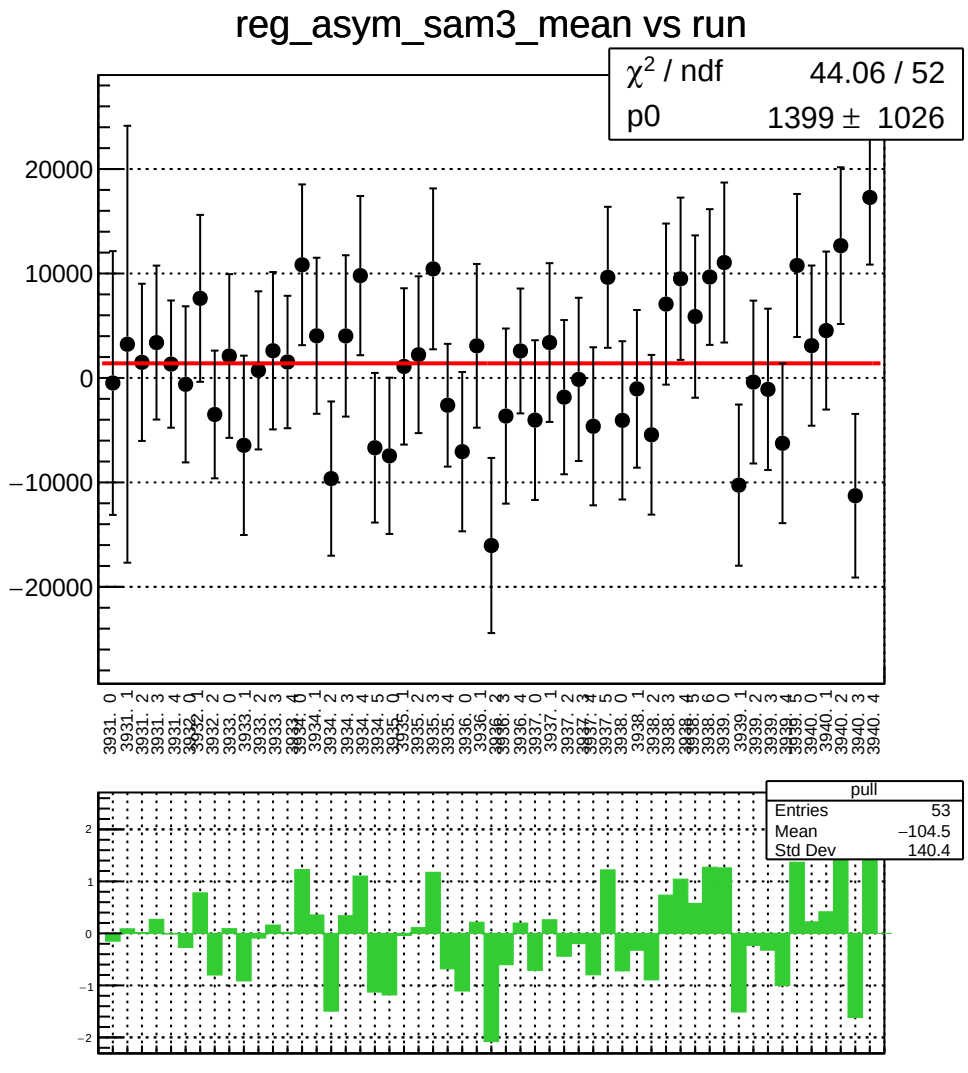

pull1D
Entries 53
Mean −0.02778
Std Dev 1.198

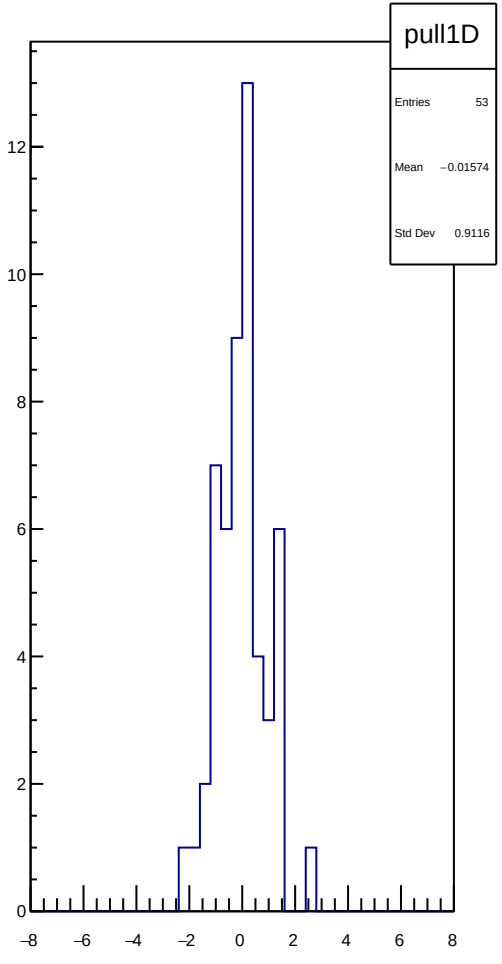

reg_asym_sam2_rms vs run
χ² / ndf 302.6 / 52
p0 2373 ± 2.338
2500
2450
2400
2350
2300
2250
2200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

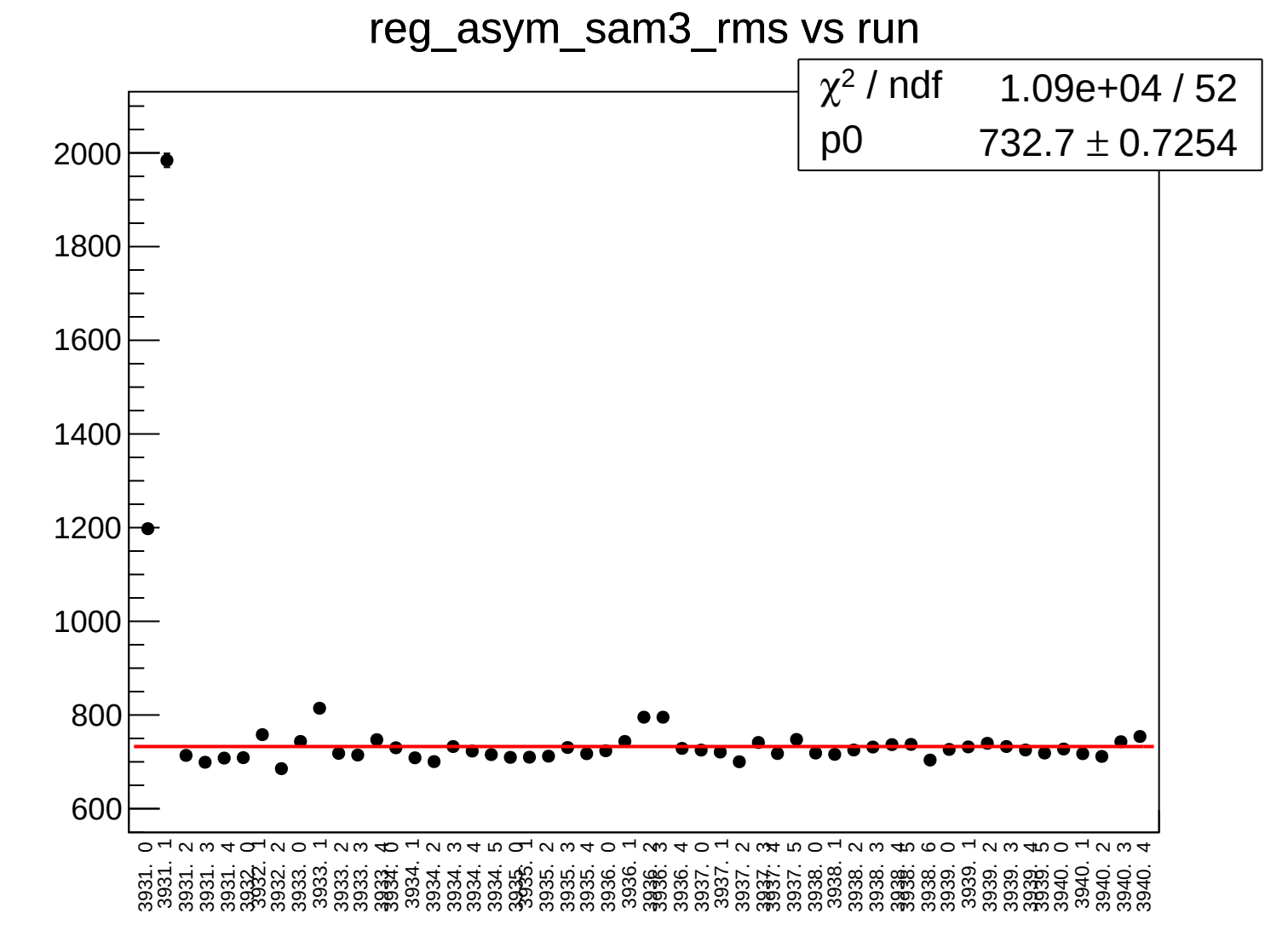

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 52.19 / 52
p0 1.394e+04 ± 9011
pull
Entries 53
Mean 175.1
Std Dev 134.1

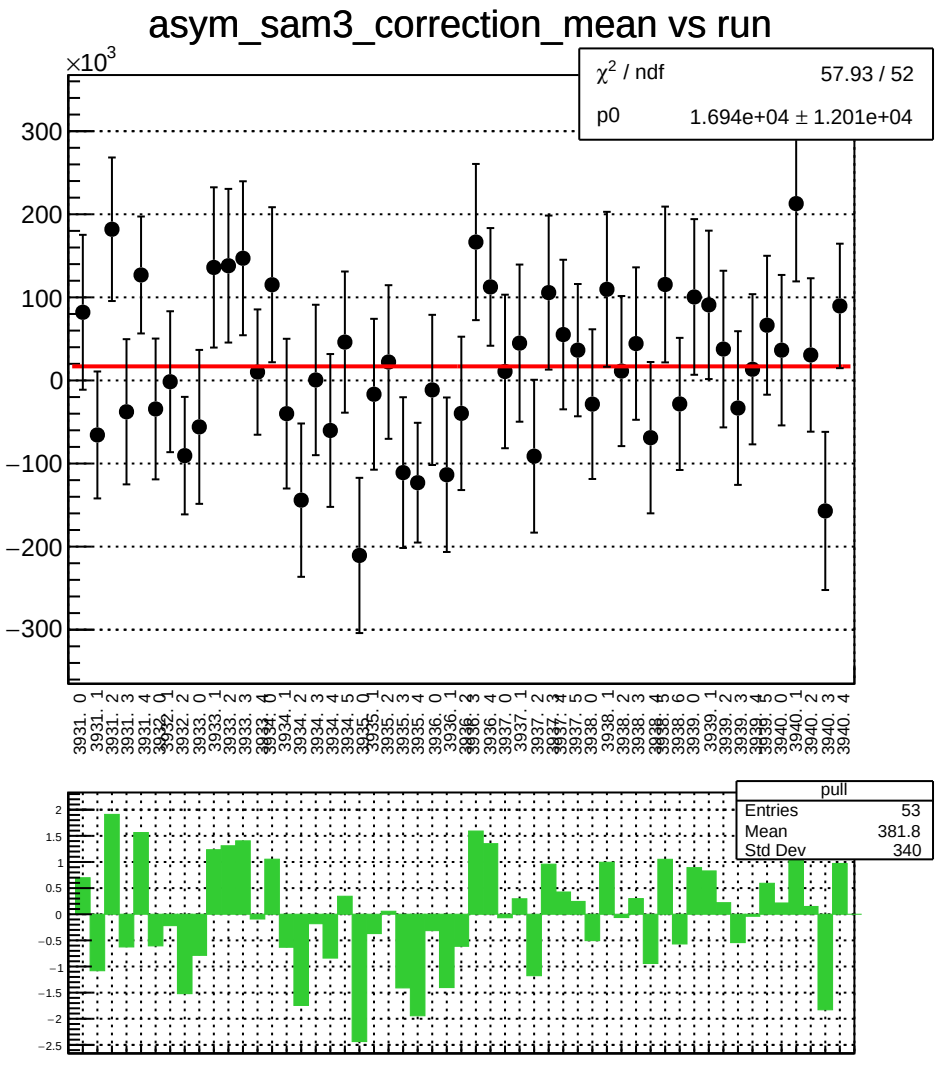

pull1D
Entries 53
Mean 0.009697
Std Dev 0.9923

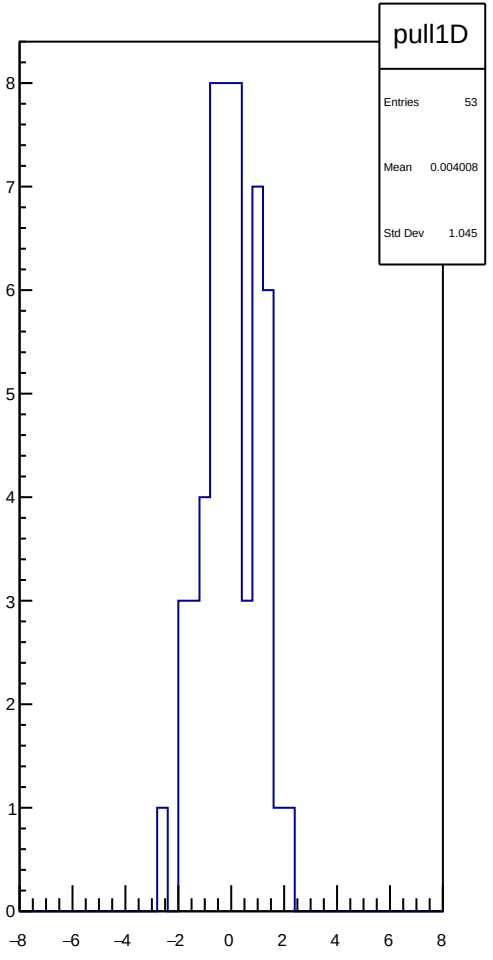

asym_sam2_correction_rms vs run
χ² / ndf 1809 / 52
p0 6464 ± 6.372
7000
6800
6600
6400
6200
6000
5800
5600

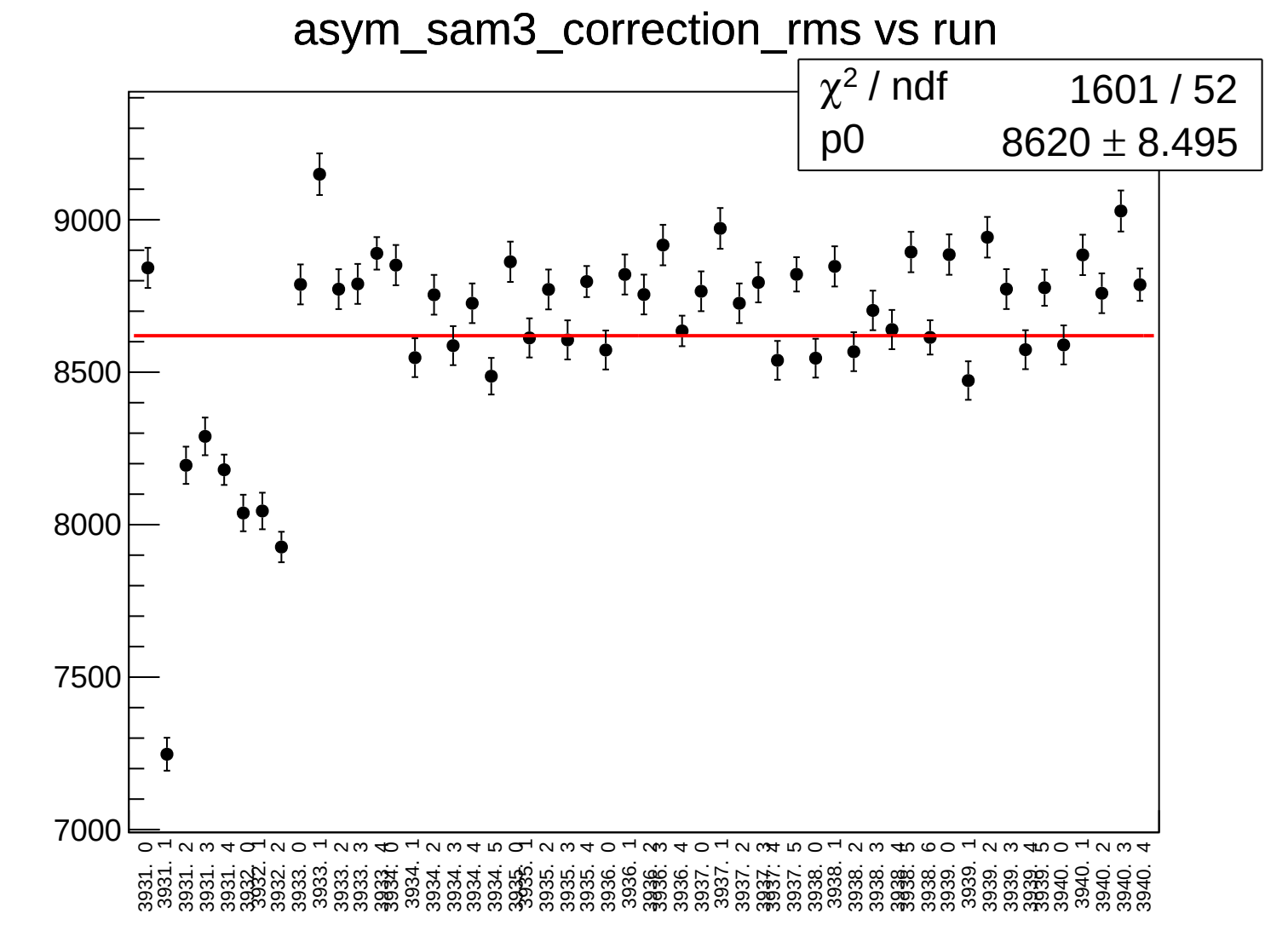

reg_asym_sam3_mean vs run
χ² / ndf 44.06 / 52
p0 1399 ± 1026
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −104.5
Std Dev 140.4
2
1
0
−1
−2

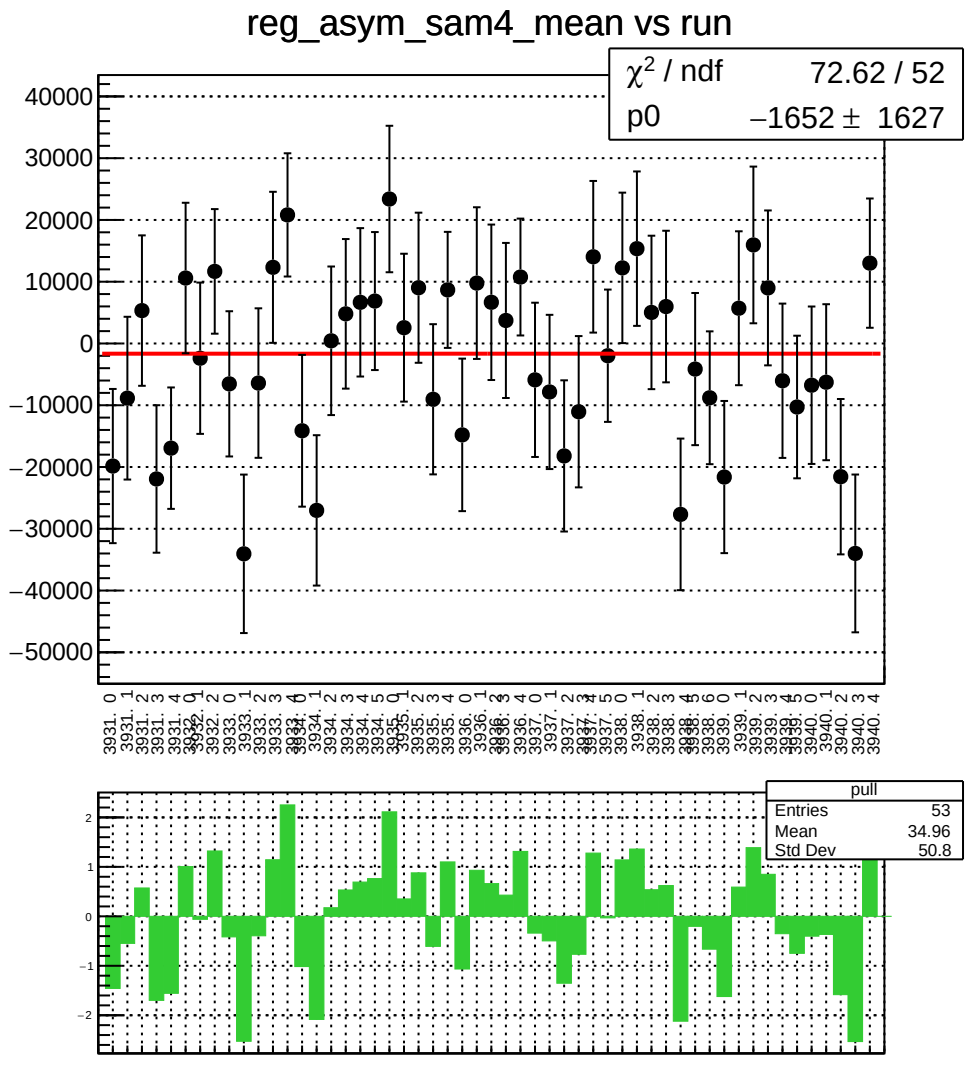

pull1D
Entries 53
Mean −0.01574
Std Dev 0.9116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

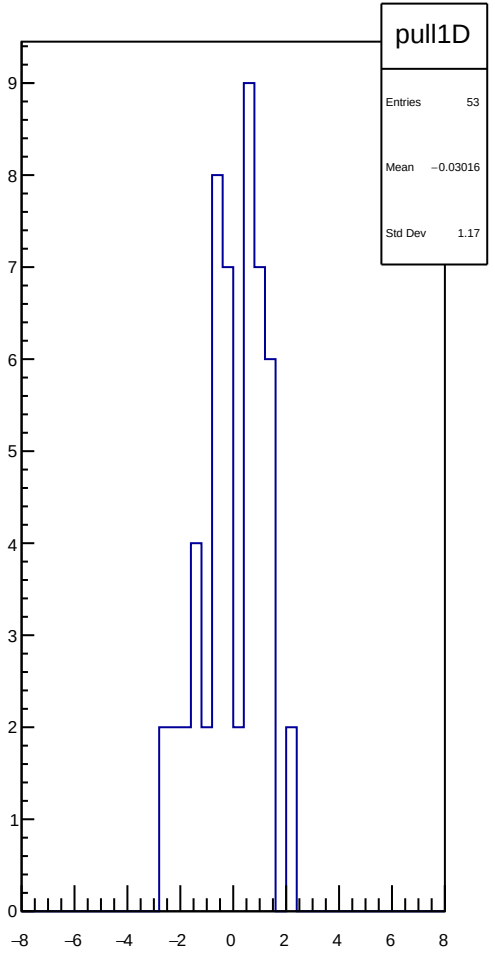

reg_asym_sam3_rms vs run
χ² / ndf 1.09e+04 / 52
p0 732.7 ± 0.7254
2000
1800
1600
1400
1200
1000
800
600
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

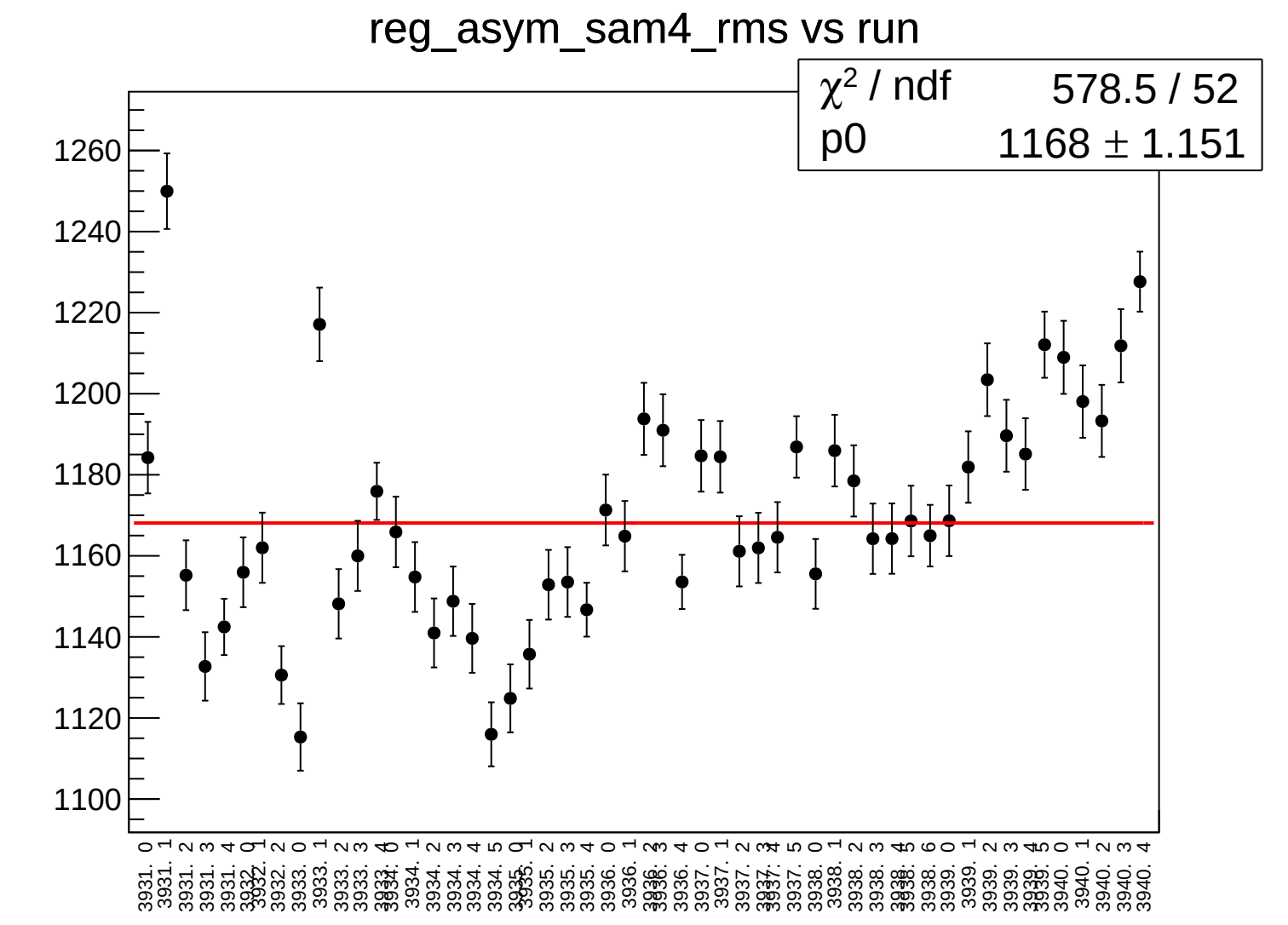

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 57.93 / 52
p0 1.694e+04 ± 1.201e+04
pull
Entries 53
Mean 381.8
Std Dev 340

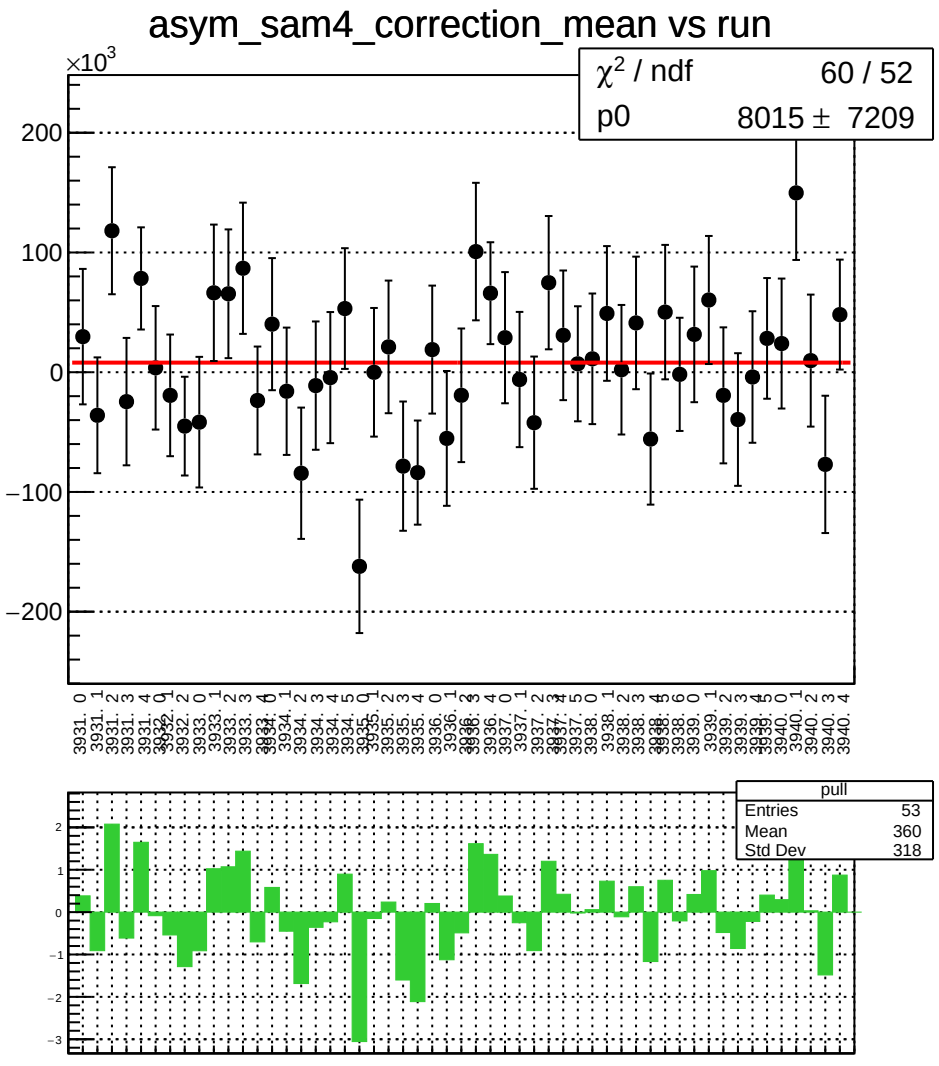

pull1D
Entries 53
Mean 0.004008
Std Dev 1.045

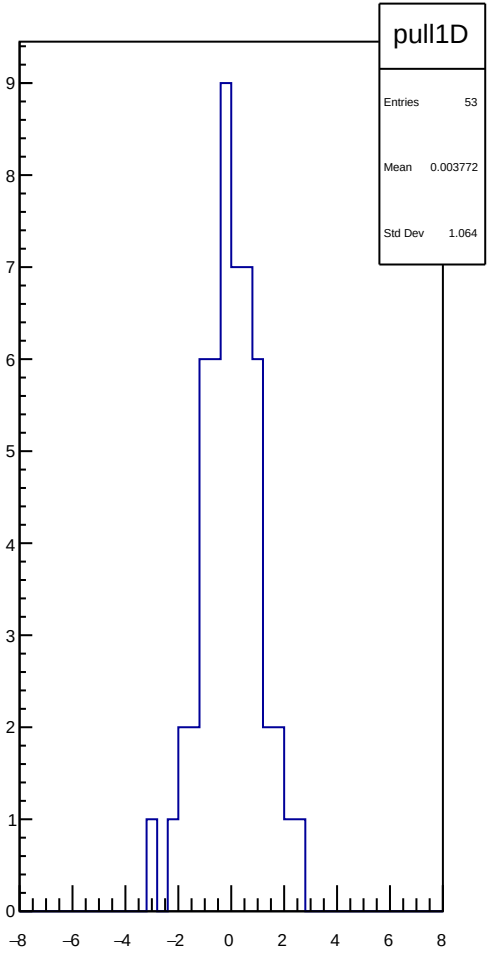

asym_sam3_correction_rms vs run
χ² / ndf 1601 / 52
p0 8620 ± 8.495
9000
8500
8000
7500
7000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

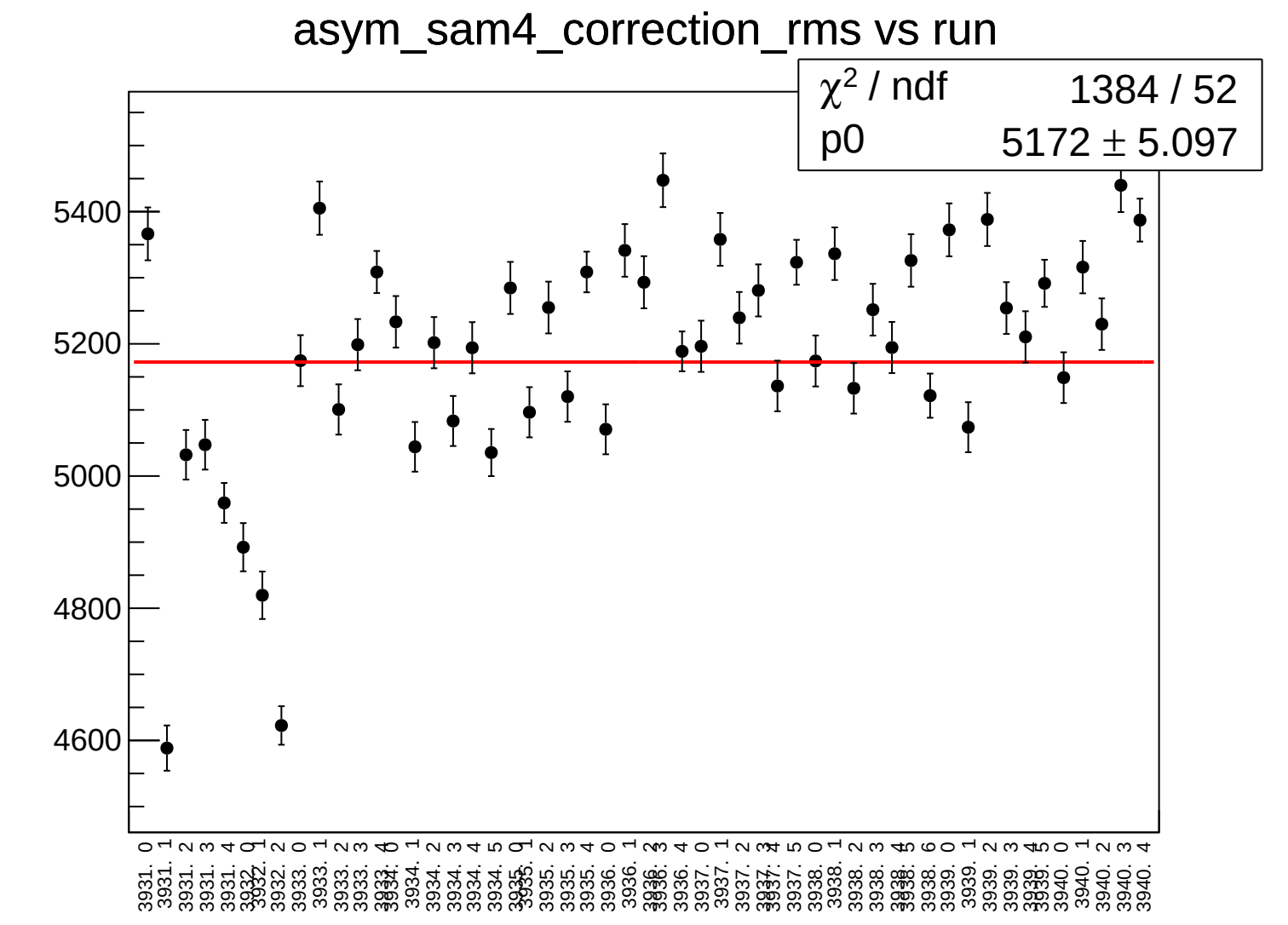

reg_asym_sam4_mean vs run
χ² / ndf 72.62 / 52
p0 −1652 ± 1627
pull
Entries 53
Mean 34.96
Std Dev 50.8


pull1D
Entries 53
Mean −0.03016
Std Dev 1.17


reg_asym_sam4_rms vs run
χ² / ndf 578.5 / 52
p0 1168 ± 1.151
1260
1240
1220
1200
1180
1160
1140
1120
1100
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_sam4_correction_mean vs run
×10^3
χ² / ndf 60 / 52
p0 8015 ± 7209
200
100
0
−100
−200
pull
Entries 53
Mean 360
Std Dev 318
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean 0.003772
Std Dev 1.064
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_correction_rms vs run
χ² / ndf 1384 / 52
p0 5172 ± 5.097
5400
5200
5000
4800
4600
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
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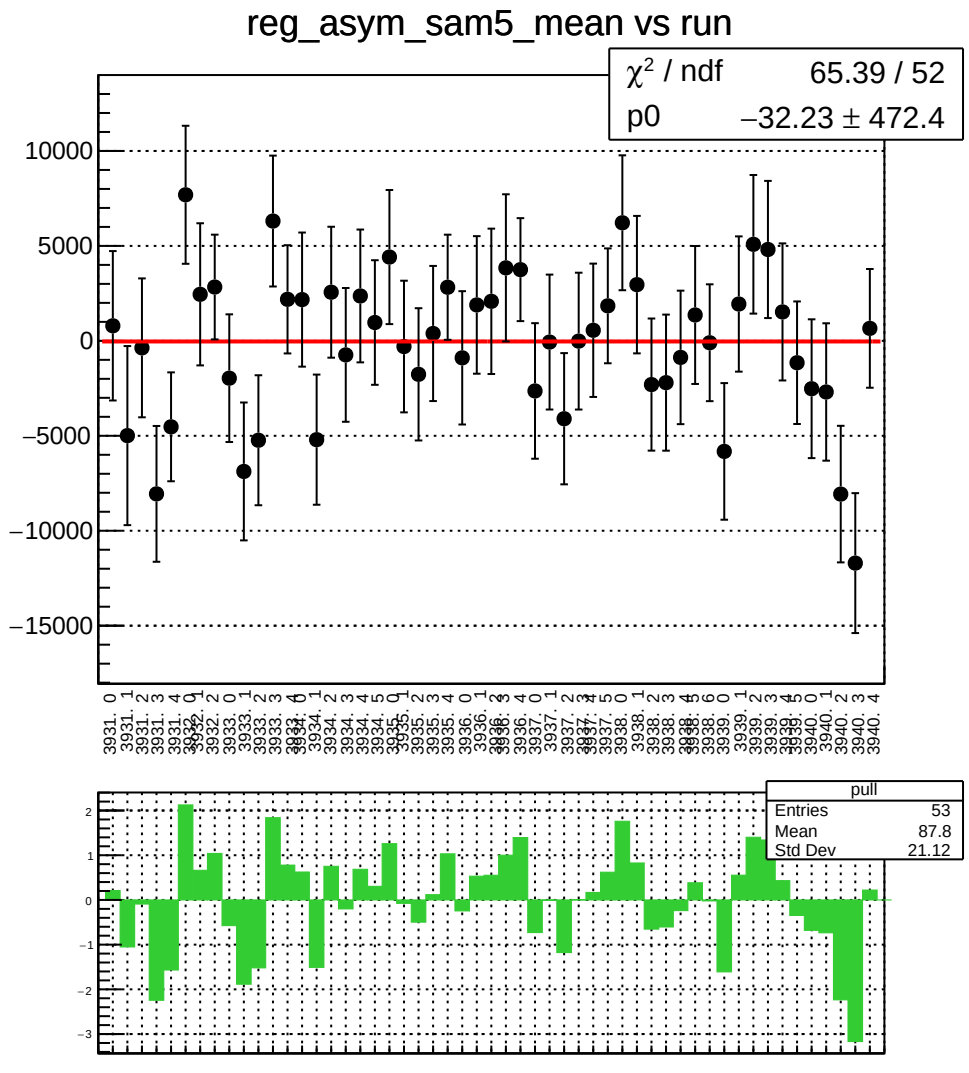
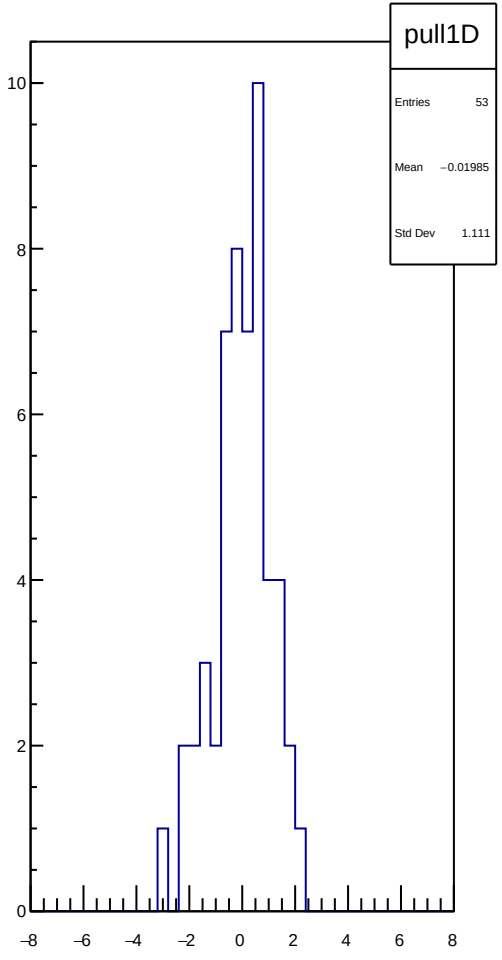
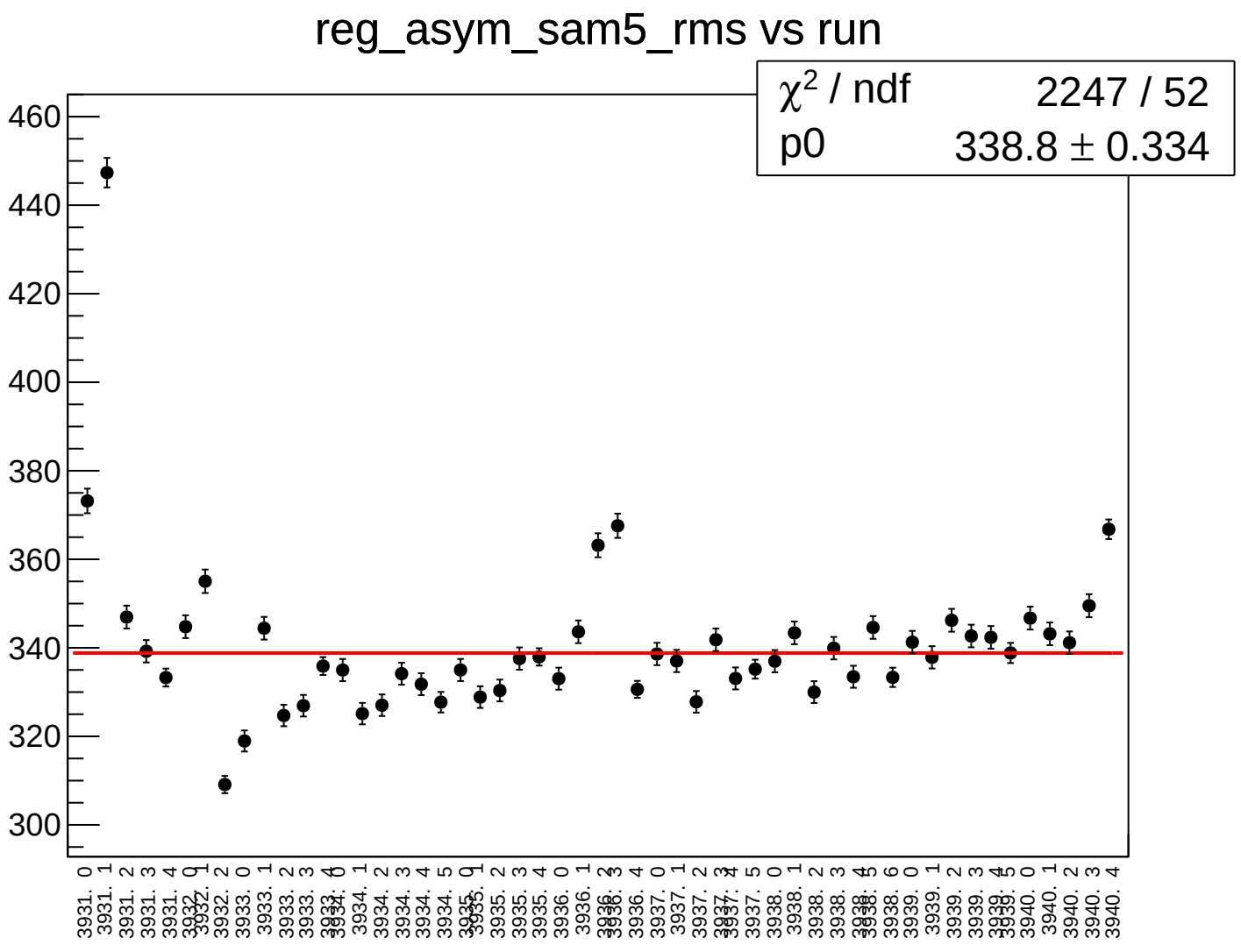
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


reg_asym_sam5_mean vs run
χ² / ndf 65.39 / 52
p0 −32.23 ± 472.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 87.8
Std Dev 21.12
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.01985
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam5_rms vs run
χ² / ndf 2247 / 52
p0 338.8 ± 0.334
460
440
420
400
380
360
340
320
300
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
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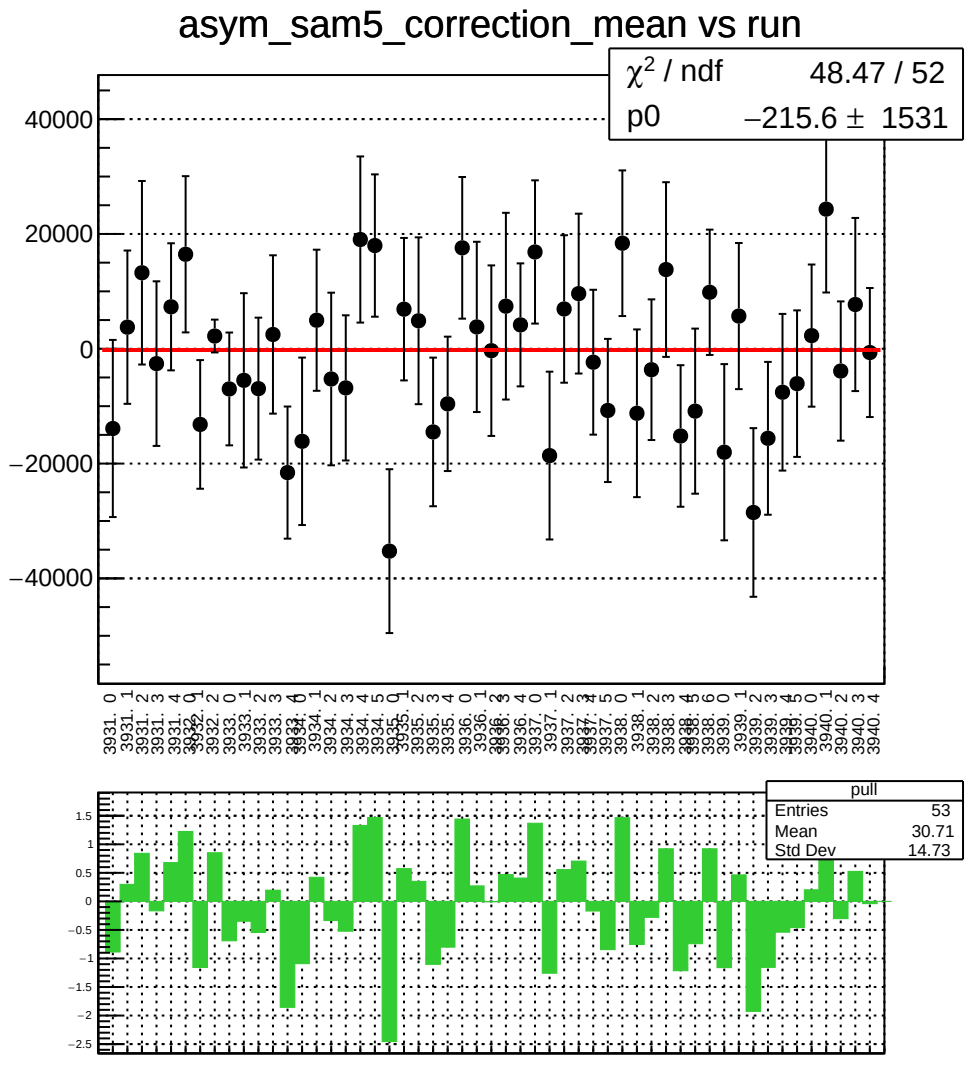
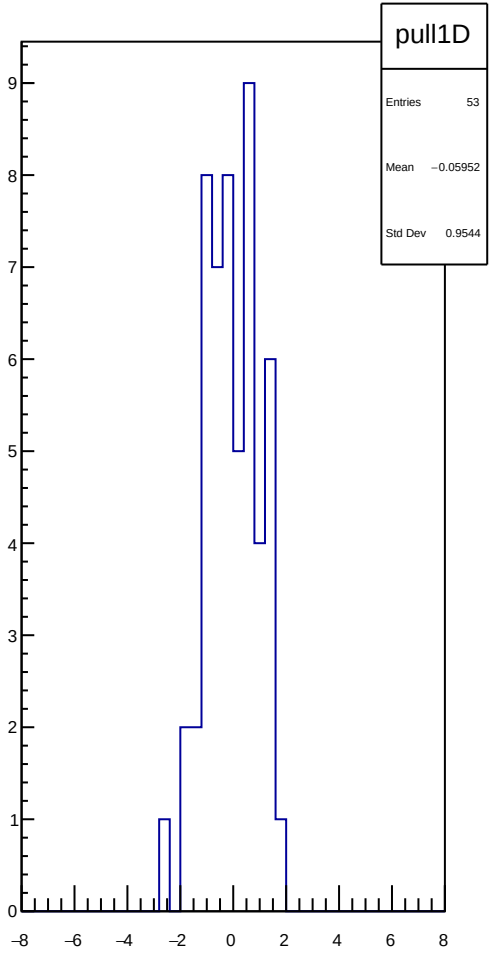
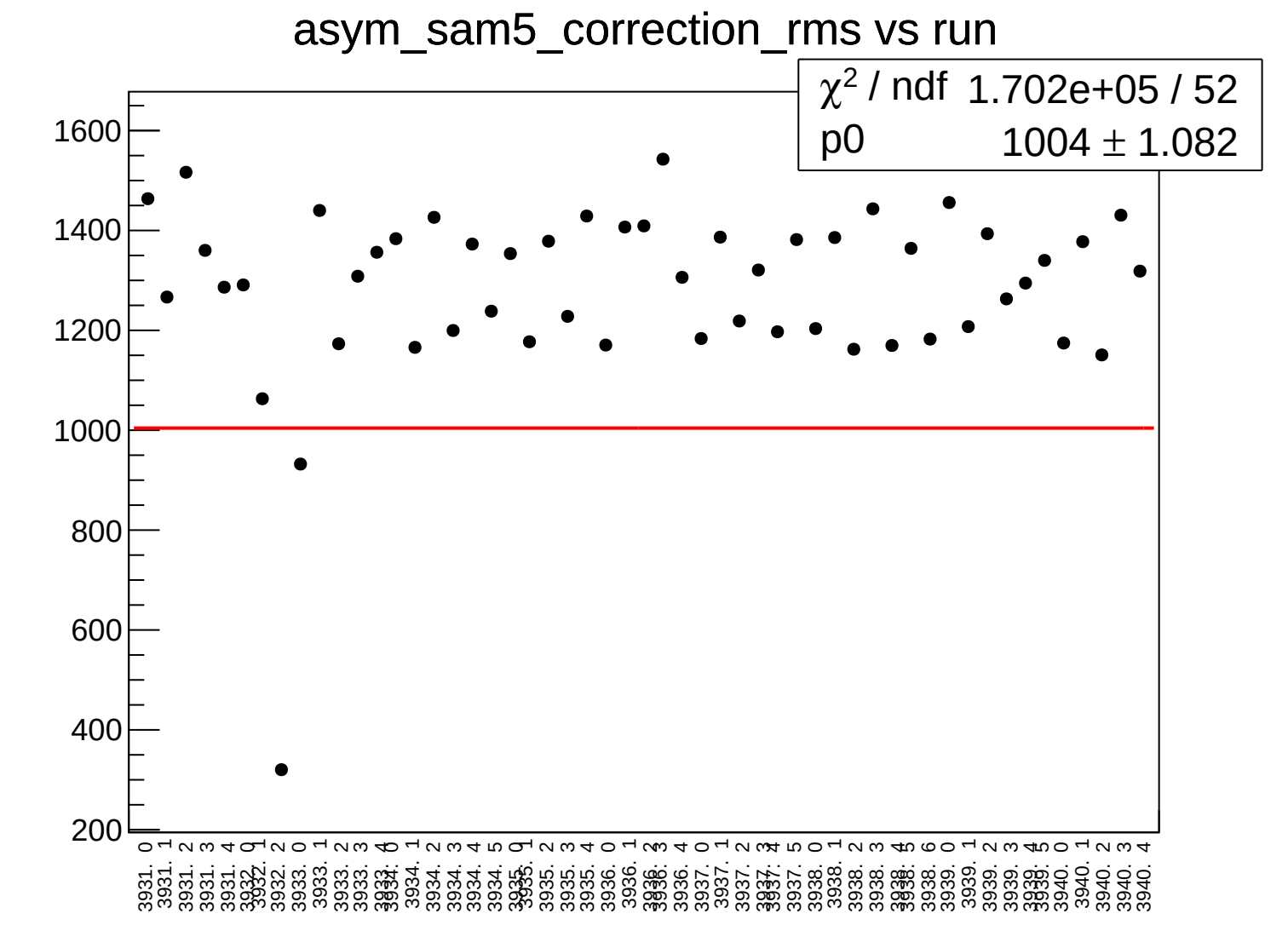
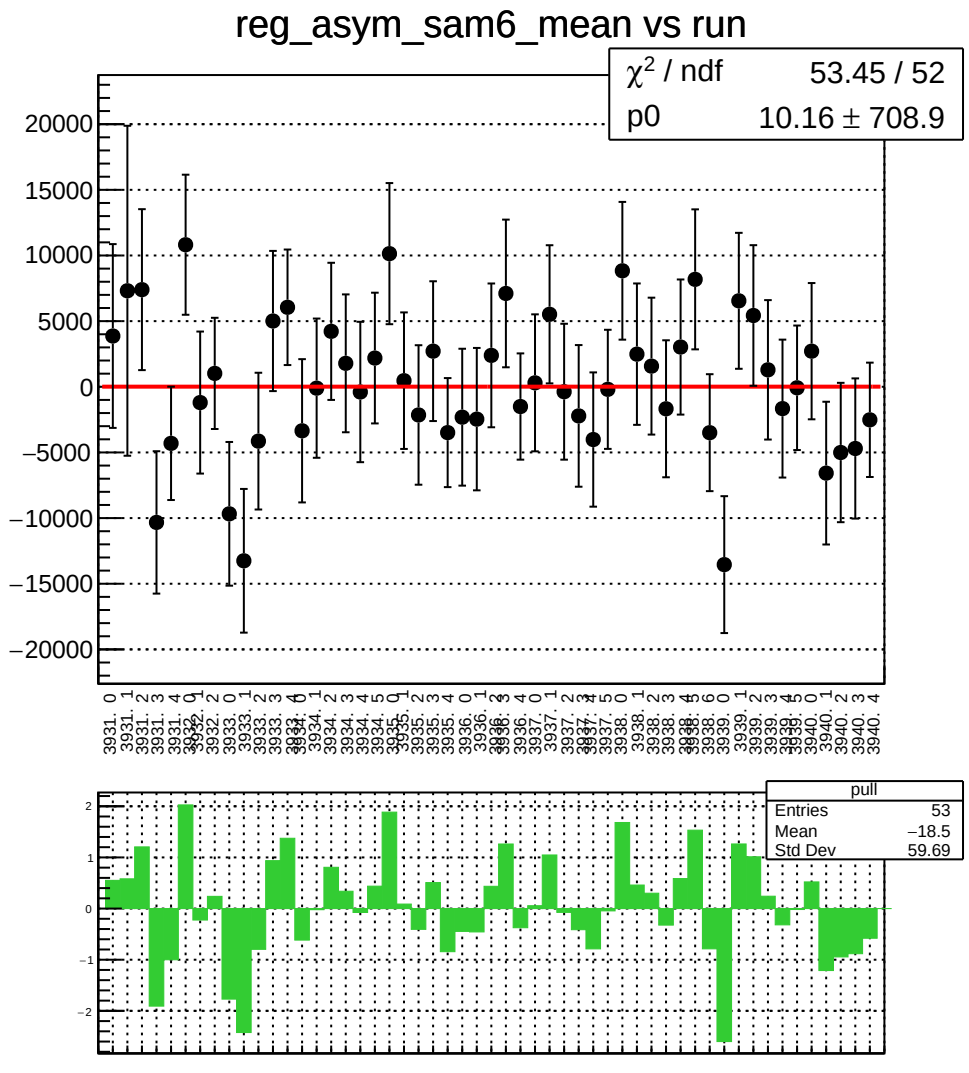
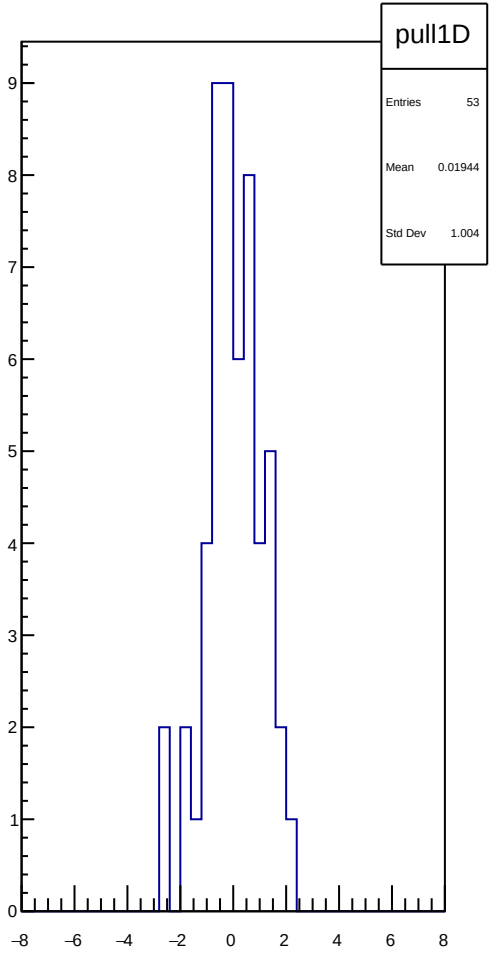
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

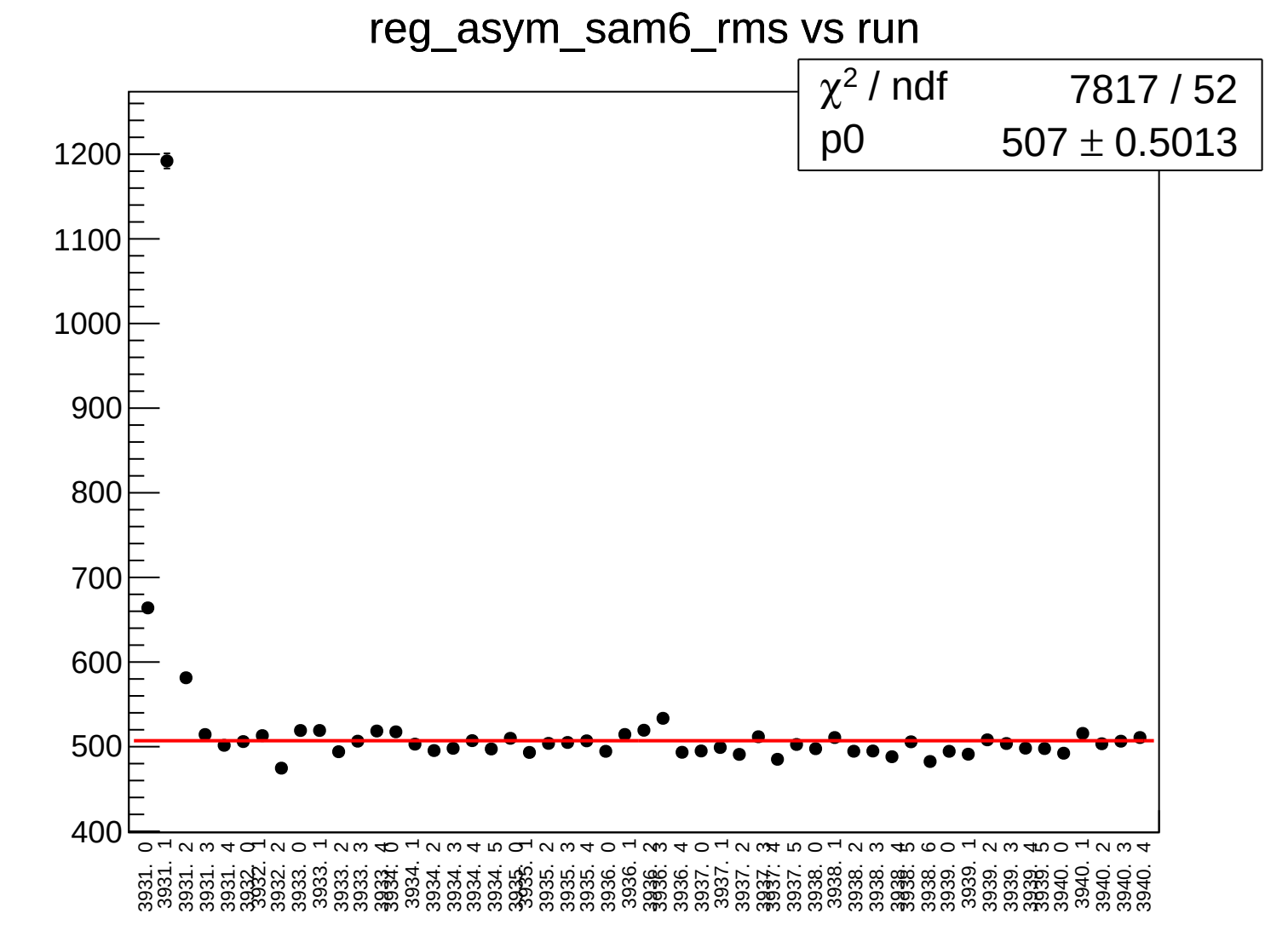

asym_sam5_correction_mean vs run
χ² / ndf 48.47 / 52
p0 −215.6 ± 1531
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 30.71
Std Dev 14.73
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

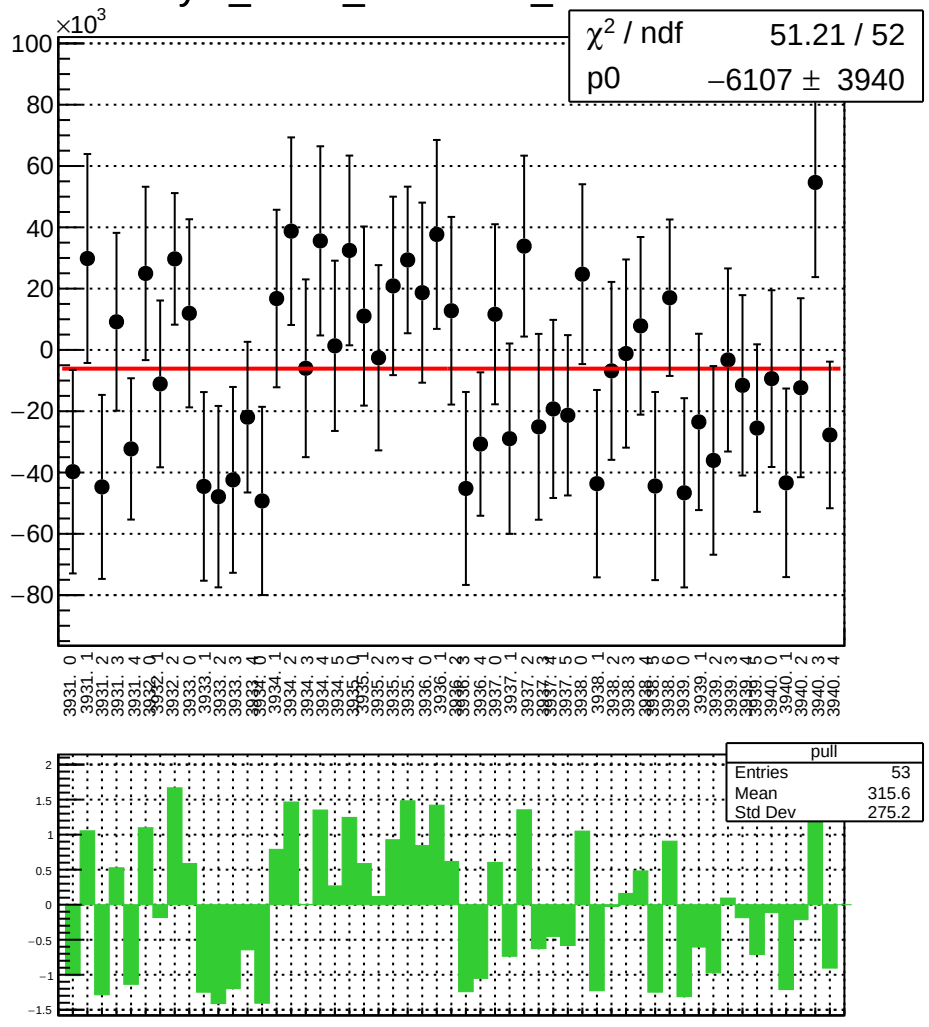

pull1D
Entries 53
Mean −0.05952
Std Dev 0.9544
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

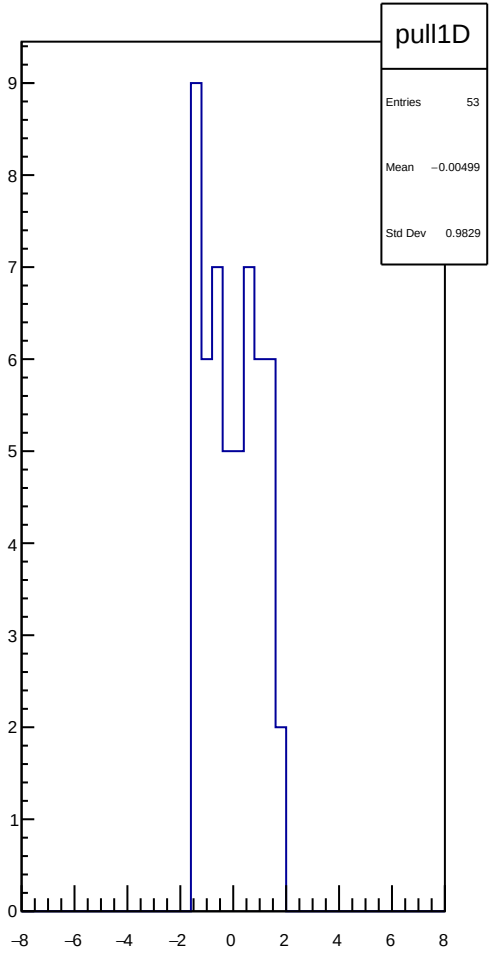

asym_sam5_correction_rms vs run
χ² / ndf 1.702e+05 / 52
p0 1004 ± 1.082
1600
1400
1200
1000
800
600
400
200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

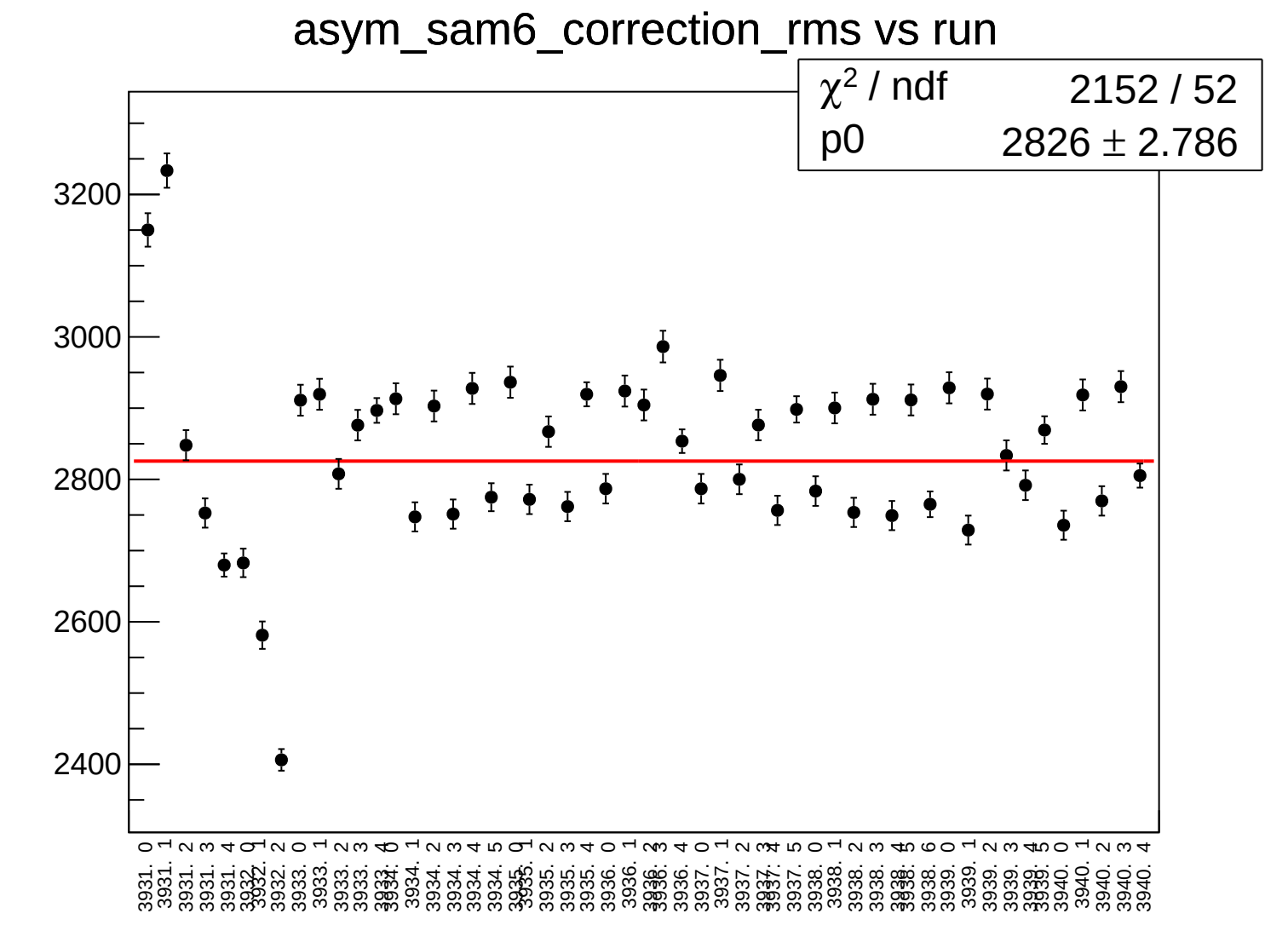

reg_asym_sam6_mean vs run
χ² / ndf 53.45 / 52
p0 10.16 ± 708.9
pull
Entries 53
Mean −18.5
Std Dev 59.69

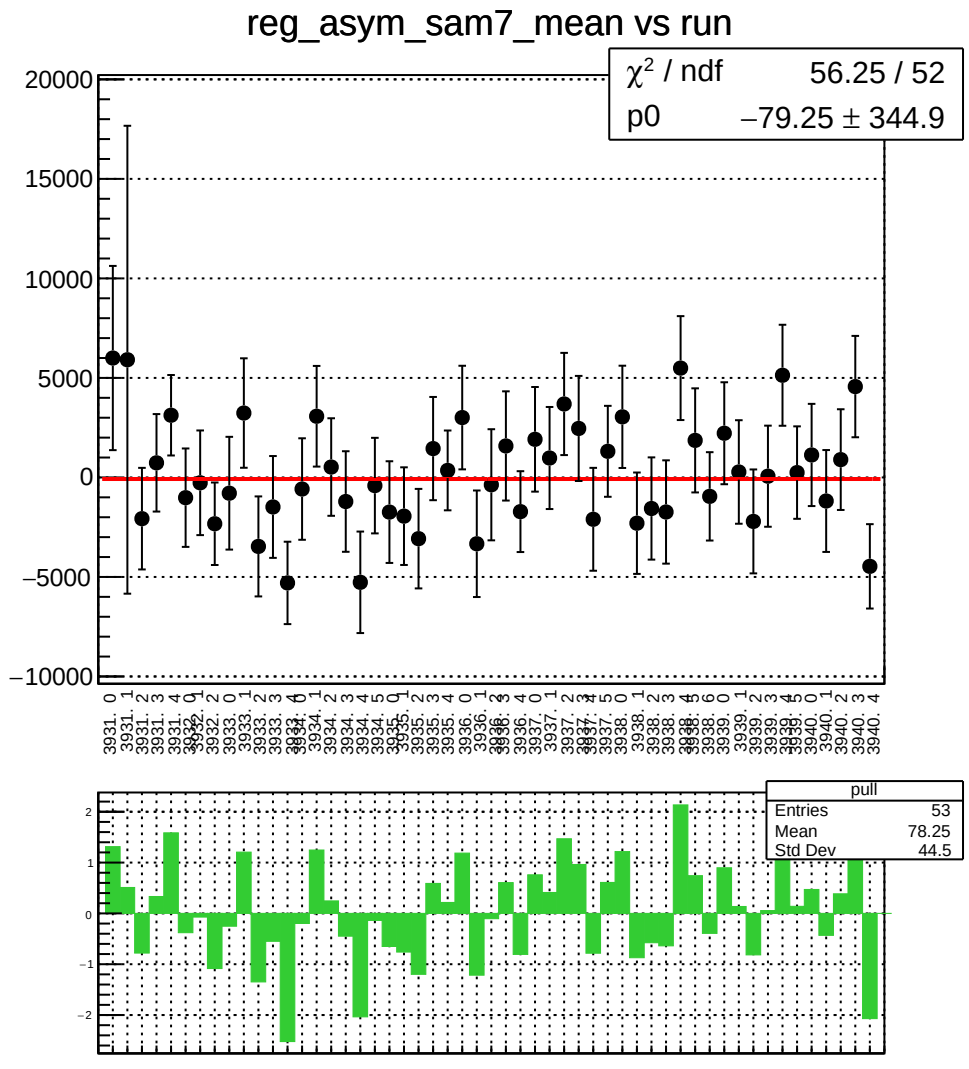

pull1D
Entries 53
Mean 0.01944
Std Dev 1.004

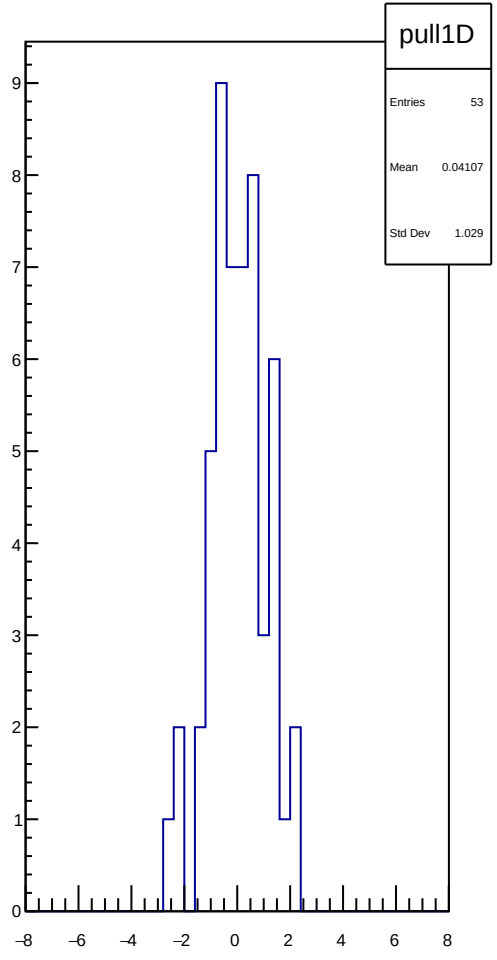

reg_asym_sam6_rms vs run
χ^2 / ndf 7817 / 52
p0 507 ± 0.5013
1200
1100
1000
900
800
700
600
500
400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

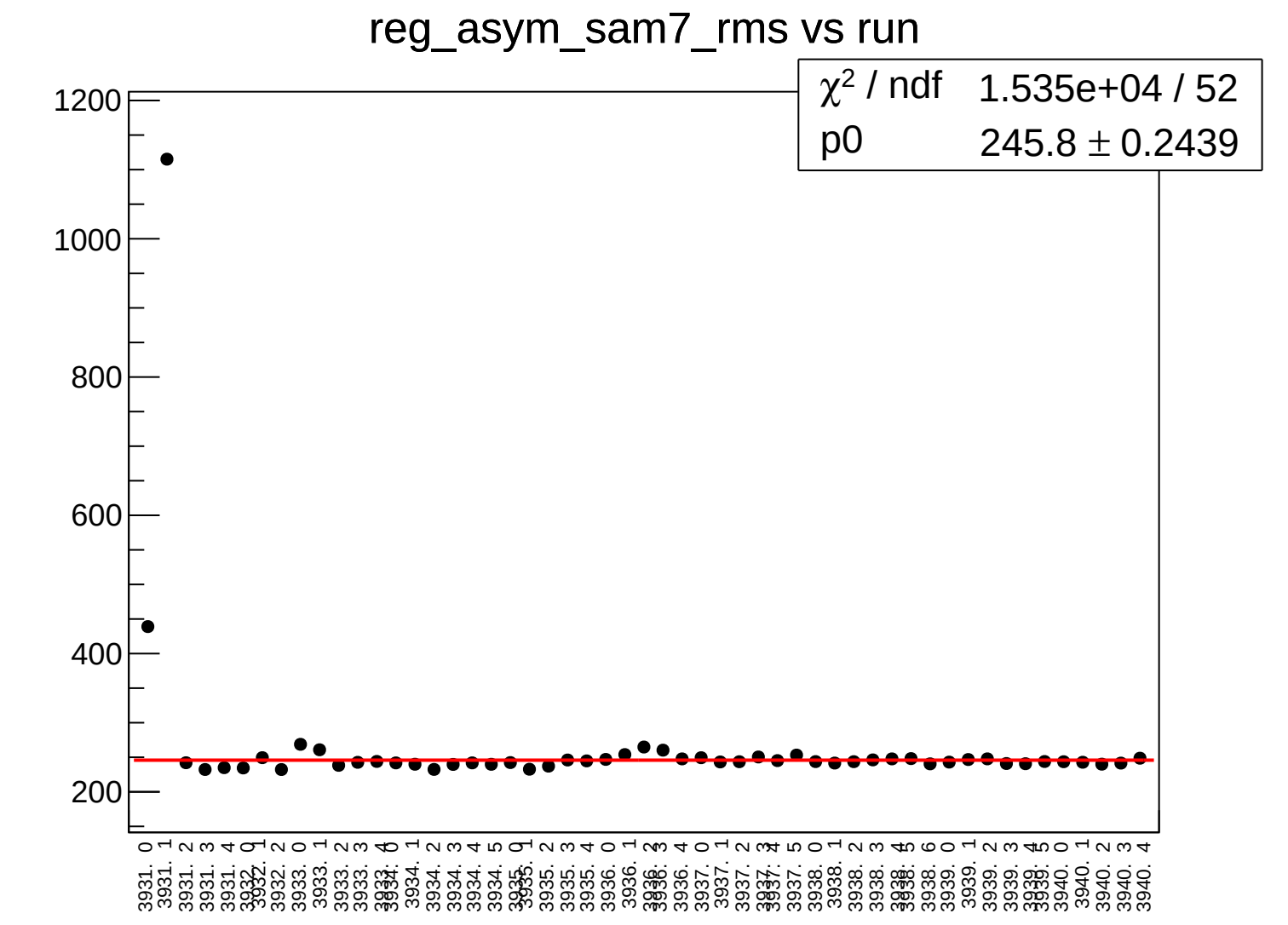

asym_sam6_correction_mean vs run
χ^2 / ndf 51.21 / 52
p0 −6107 ± 3940
×10^3
pull
Entries 53
Mean 315.6
Std Dev 275.2

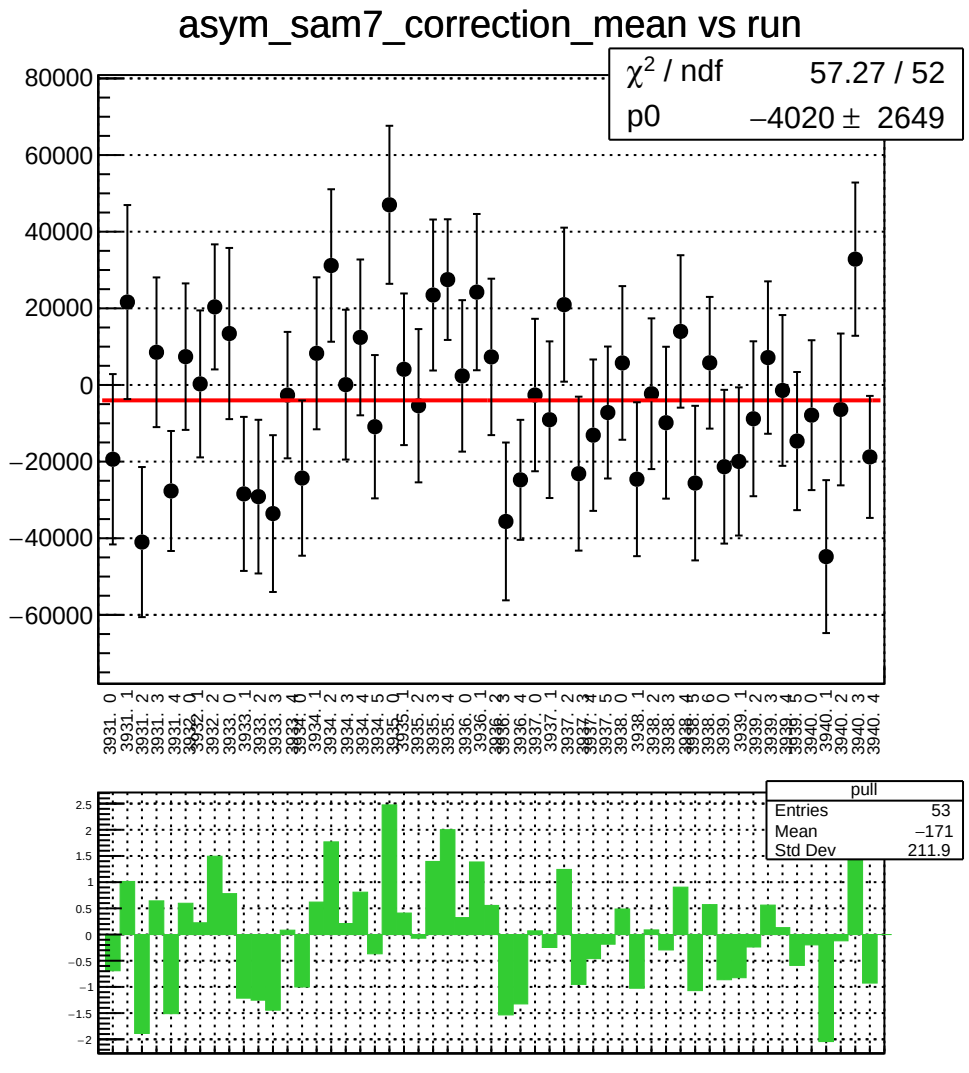

pull1D
Entries 53
Mean −0.00499
Std Dev 0.9829

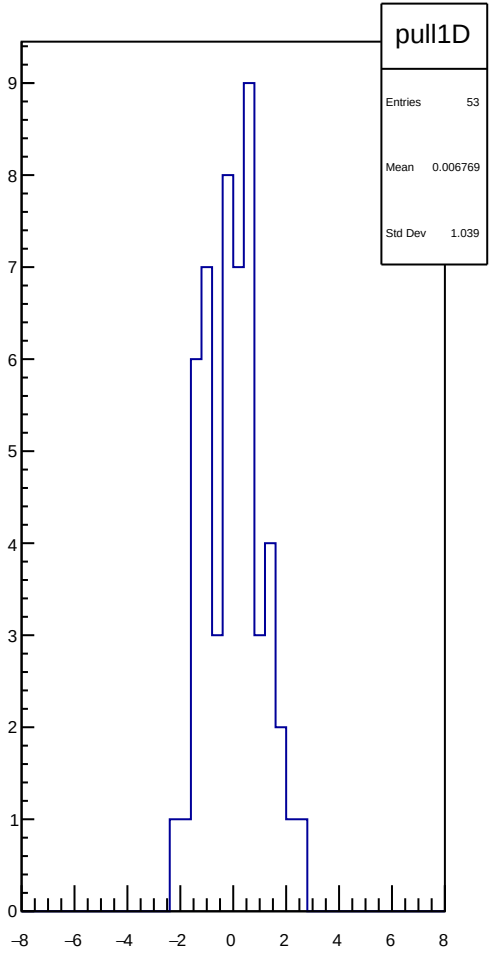

asym_sam6_correction_rms vs run
χ² / ndf 2152 / 52
p0 2826 ± 2.786
3200
3000
2800
2600
2400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

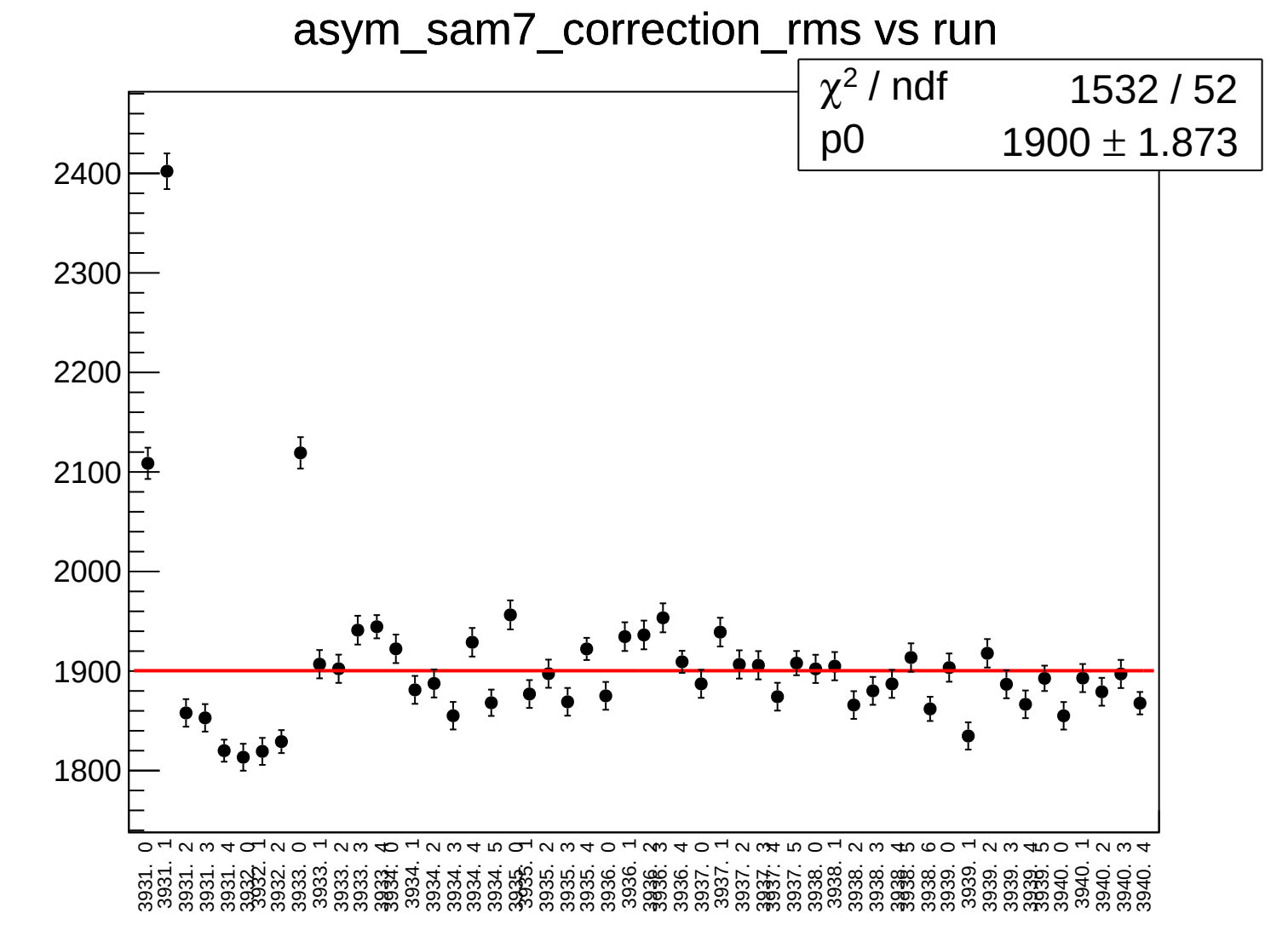

reg_asym_sam7_mean vs run
χ² / ndf 56.25 / 52
p0 −79.25 ± 344.9
pull
Entries 53
Mean 78.25
Std Dev 44.5

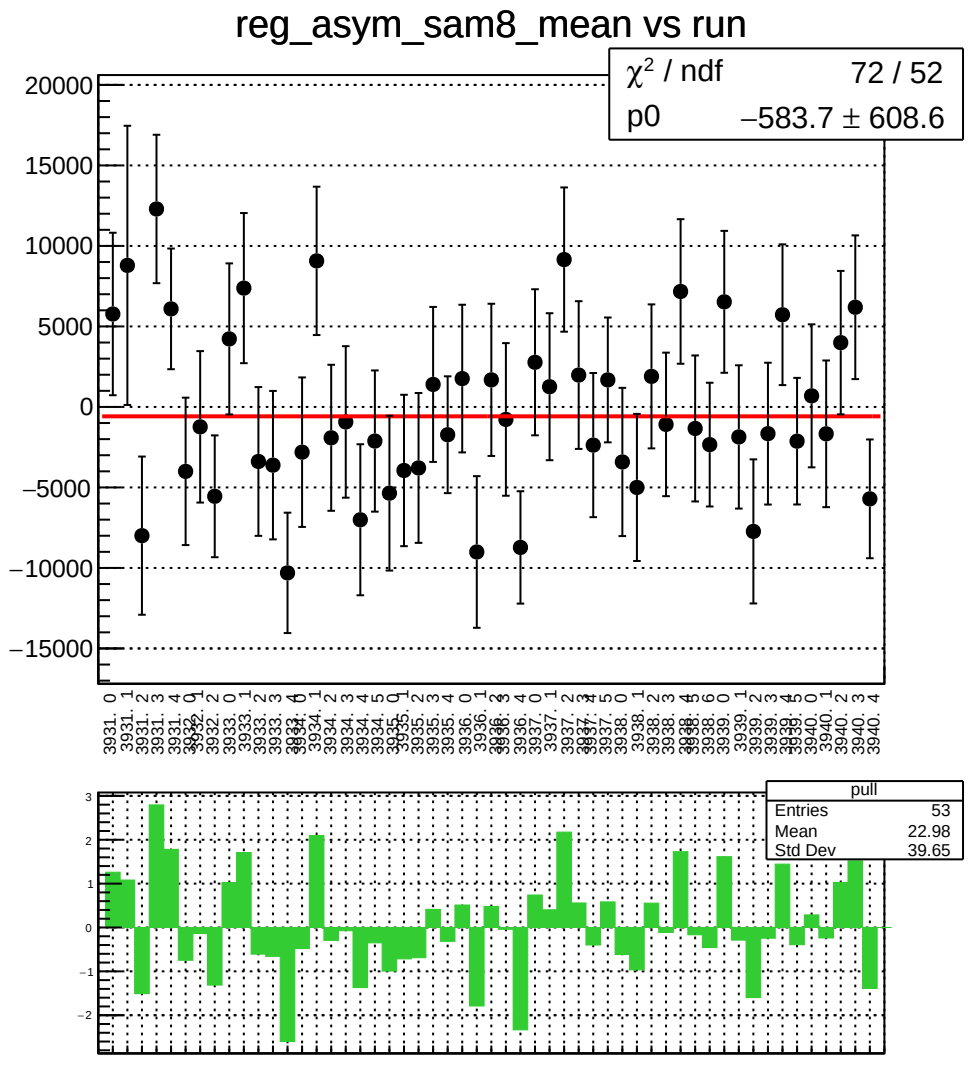

pull1D
Entries 53
Mean 0.04107
Std Dev 1.029

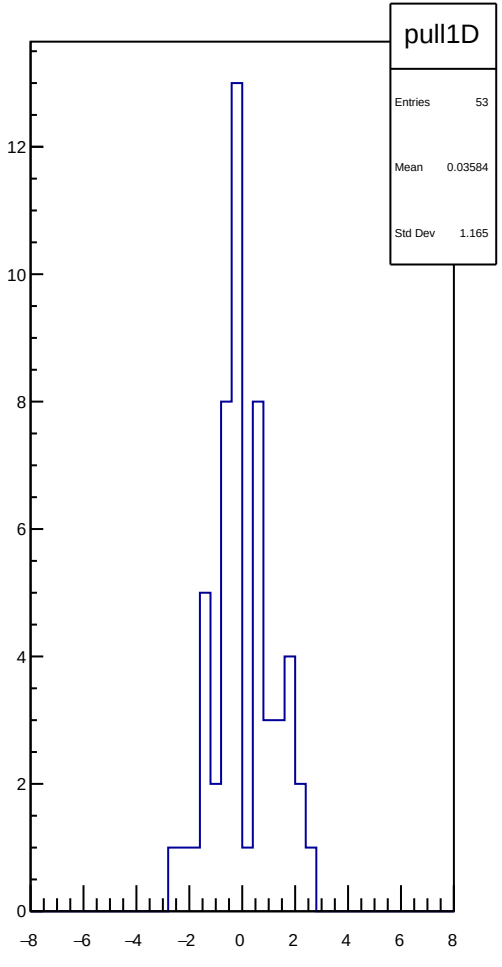

reg_asym_sam7_rms vs run
χ² / ndf 1.535e+04 / 52
p0 245.8 ± 0.2439
1200
1000
800
600
400
200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

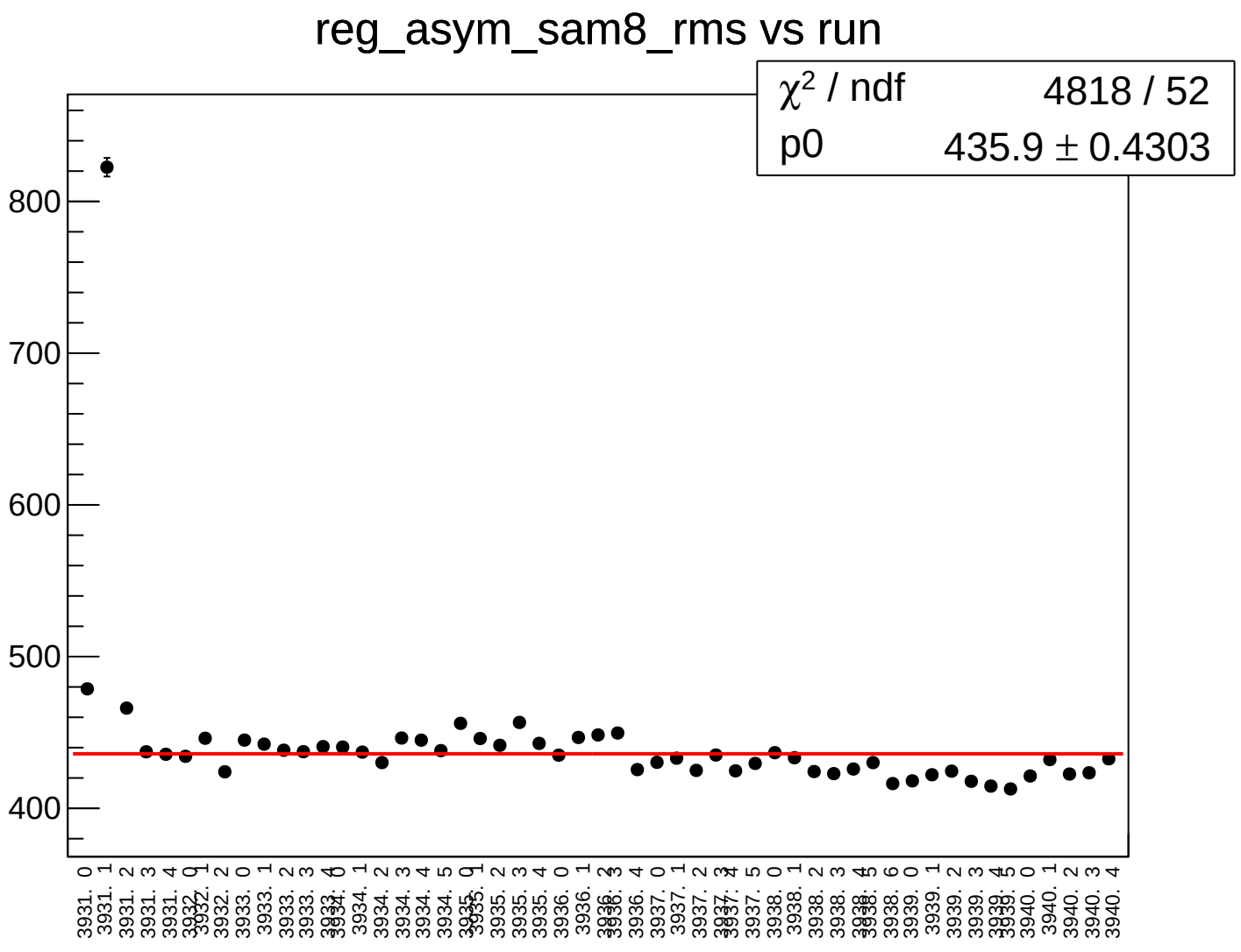

asym_sam7_correction_mean vs run
χ² / ndf 57.27 / 52
p0 −4020 ± 2649
pull
Entries 53
Mean −171
Std Dev 211.9

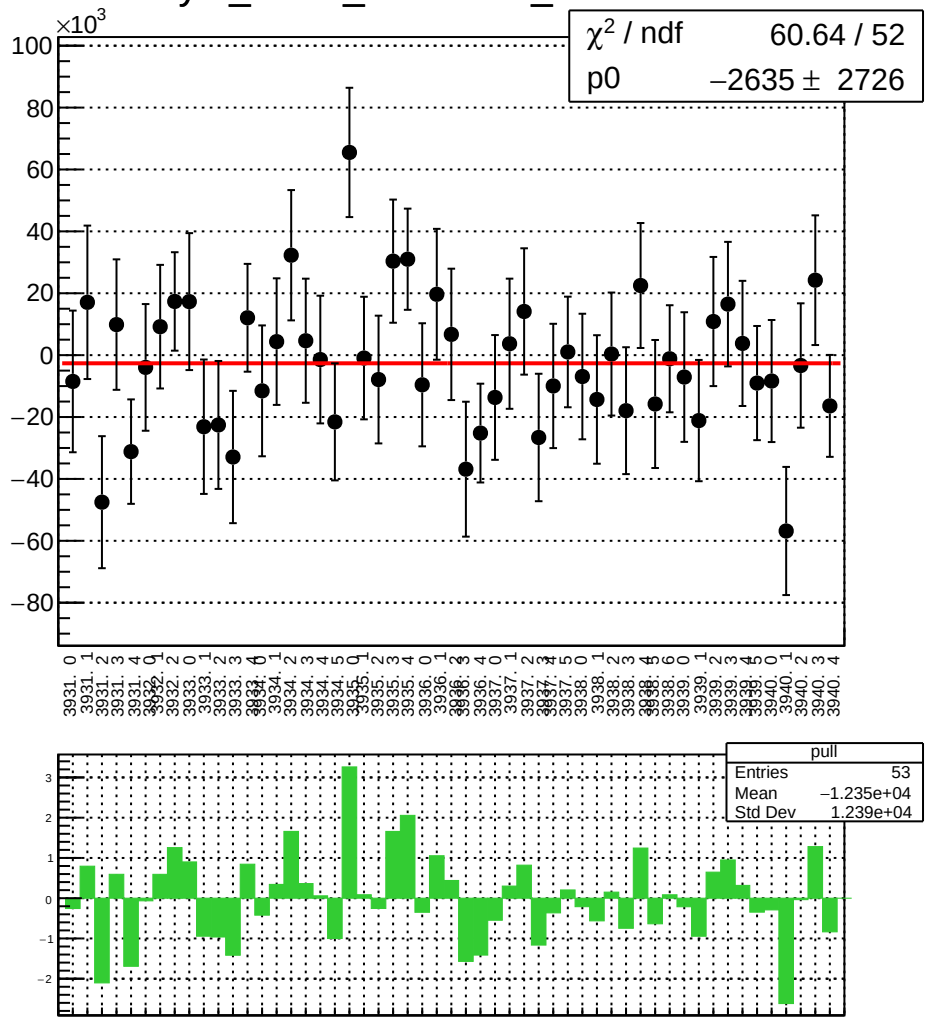

pull1D
Entries 53
Mean 0.006769
Std Dev 1.039

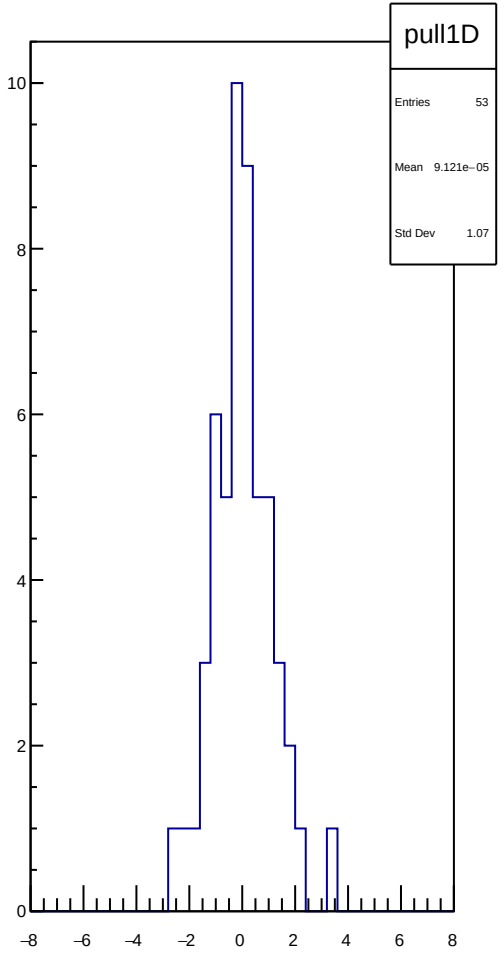

asym_sam7_correction_rms vs run
χ² / ndf 1532 / 52
p0 1900 ± 1.873
2400
2300
2200
2100
2000
1900
1800

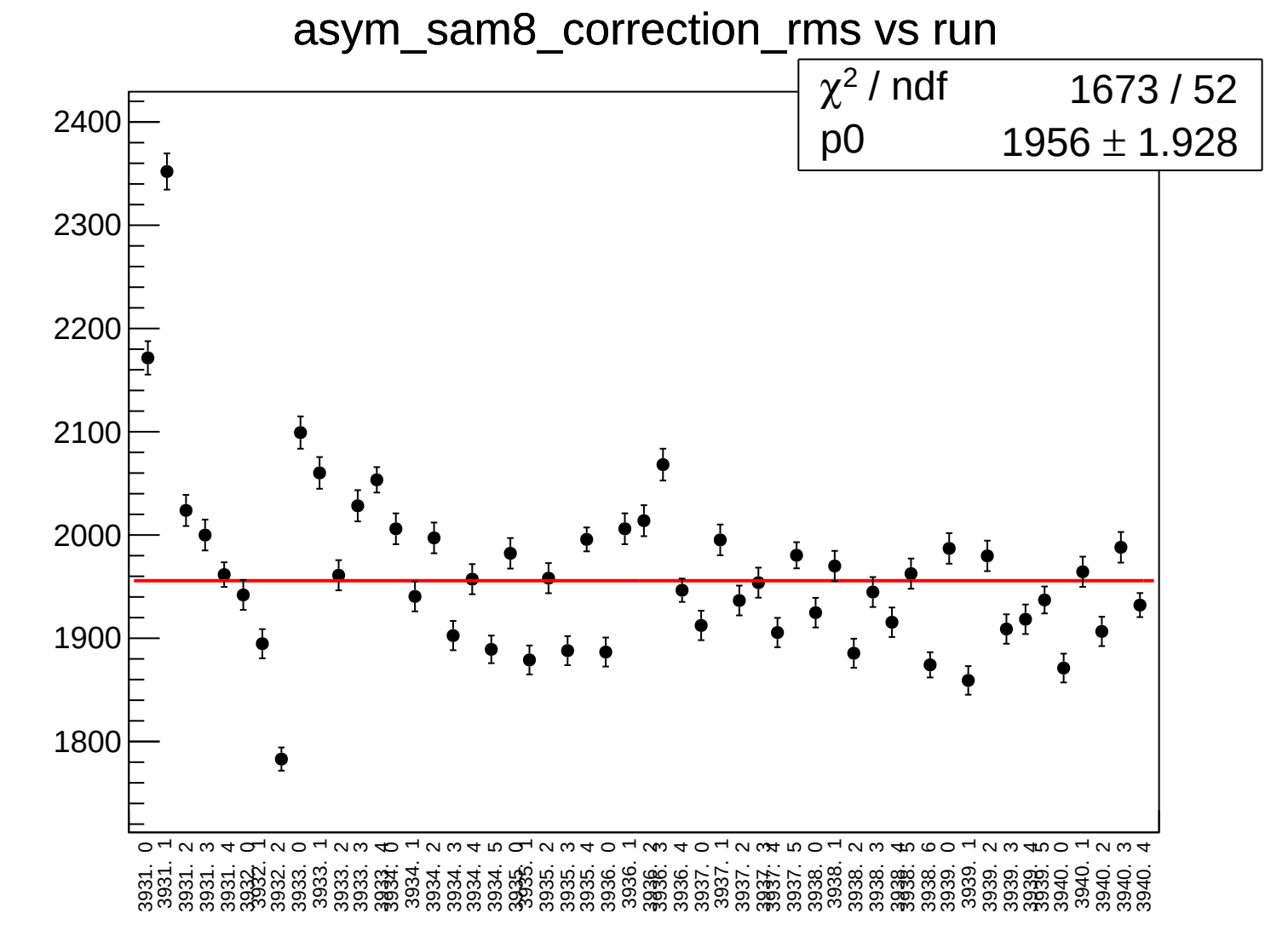

reg_asym_sam8_mean vs run
χ² / ndf 72 / 52
p0 −583.7 ± 608.6
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 22.98
Std Dev 39.65
3
2
1
0
−1
−2

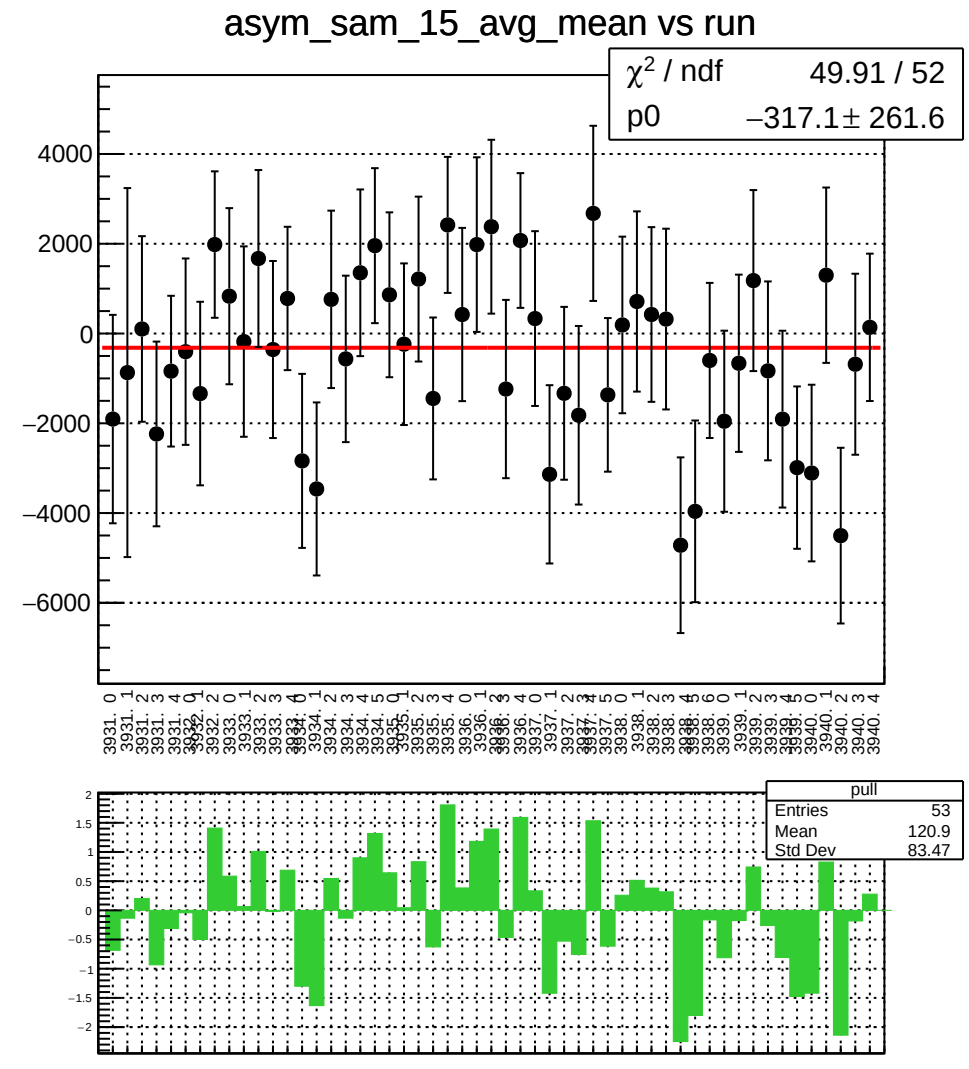

pull1D
Entries 53
Mean 0.03584
Std Dev 1.165
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

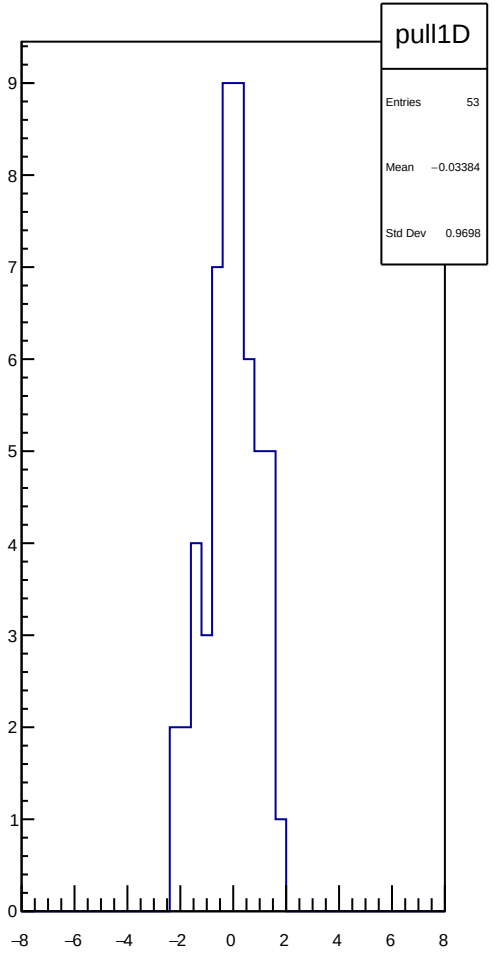

reg_asym_sam8_rms vs run
χ² / ndf 4818 / 52
p0 435.9 ± 0.4303
800
700
600
500
400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

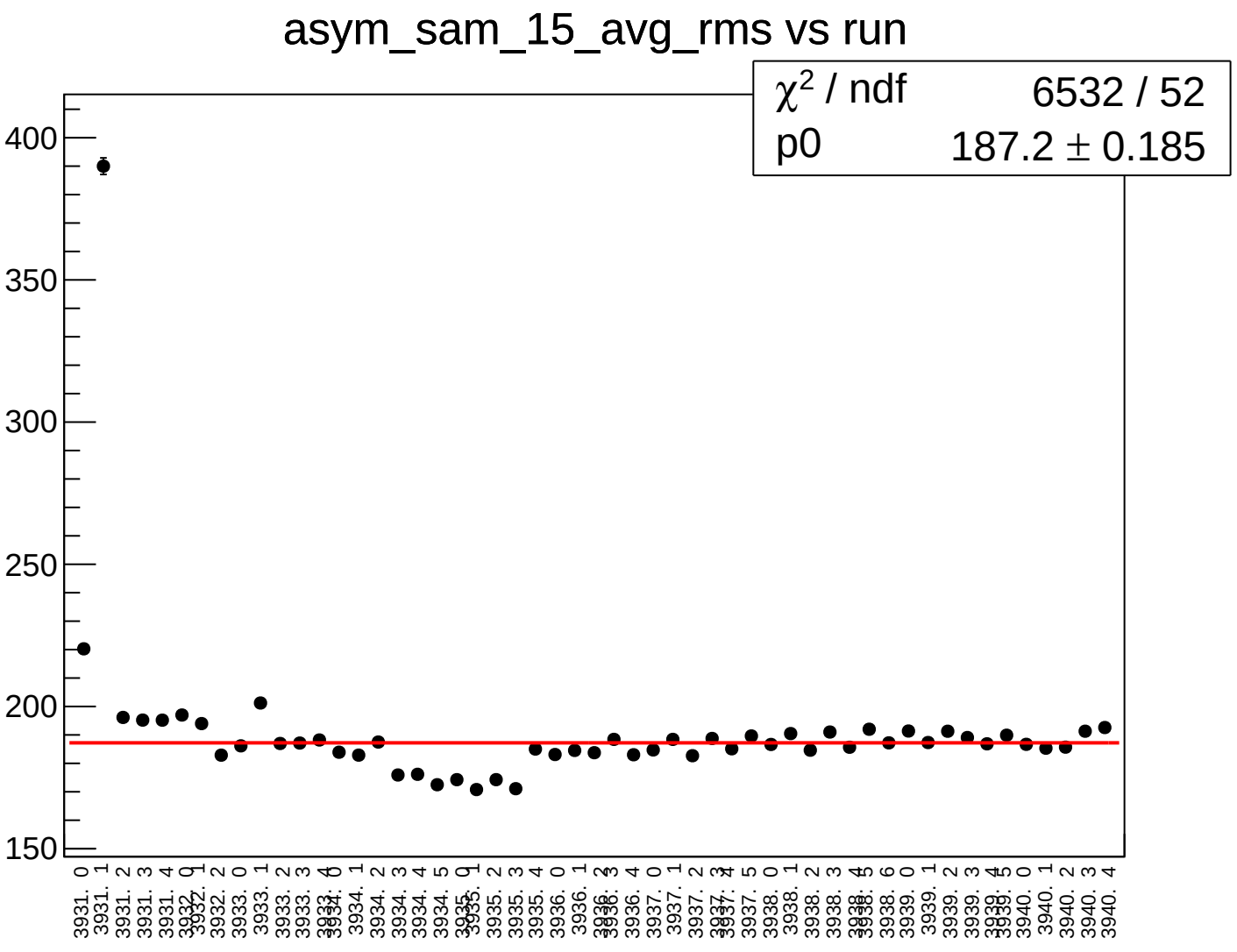

asym_sam8_correction_mean vs run
×10^3
χ² / ndf 60.64 / 52
p0 −2635 ± 2726
pull
Entries 53
Mean −1.235e+04
Std Dev 1.239e+04

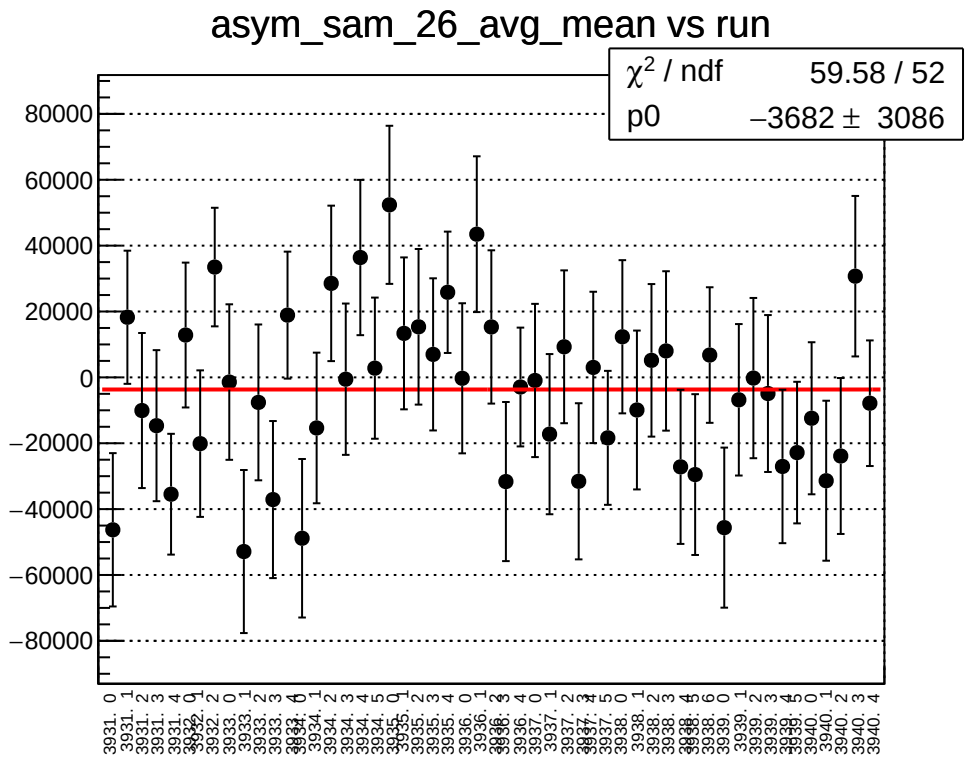

pull1D
Entries 53
Mean 9.121e−05
Std Dev 1.07

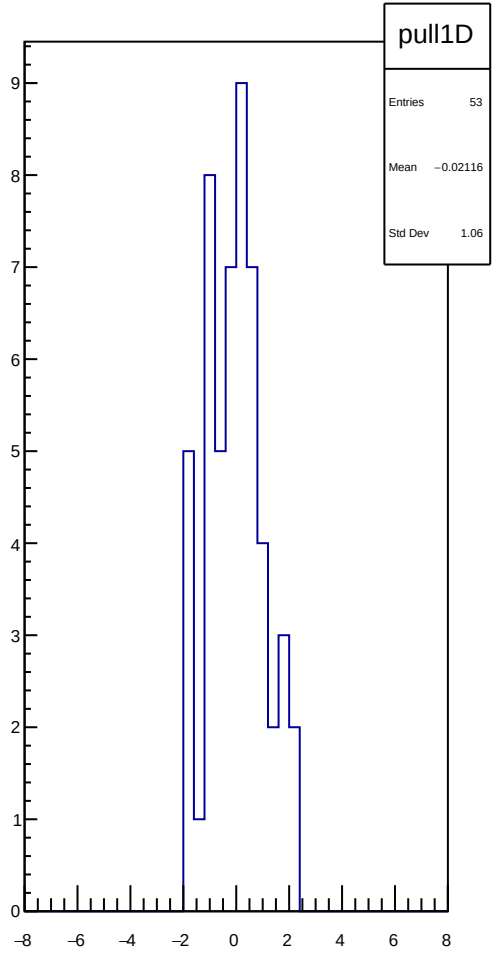

asym_sam8_correction_rms vs run
χ² / ndf 1673 / 52
p0 1956 ± 1.928
2400
2300
2200
2100
2000
1900
1800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

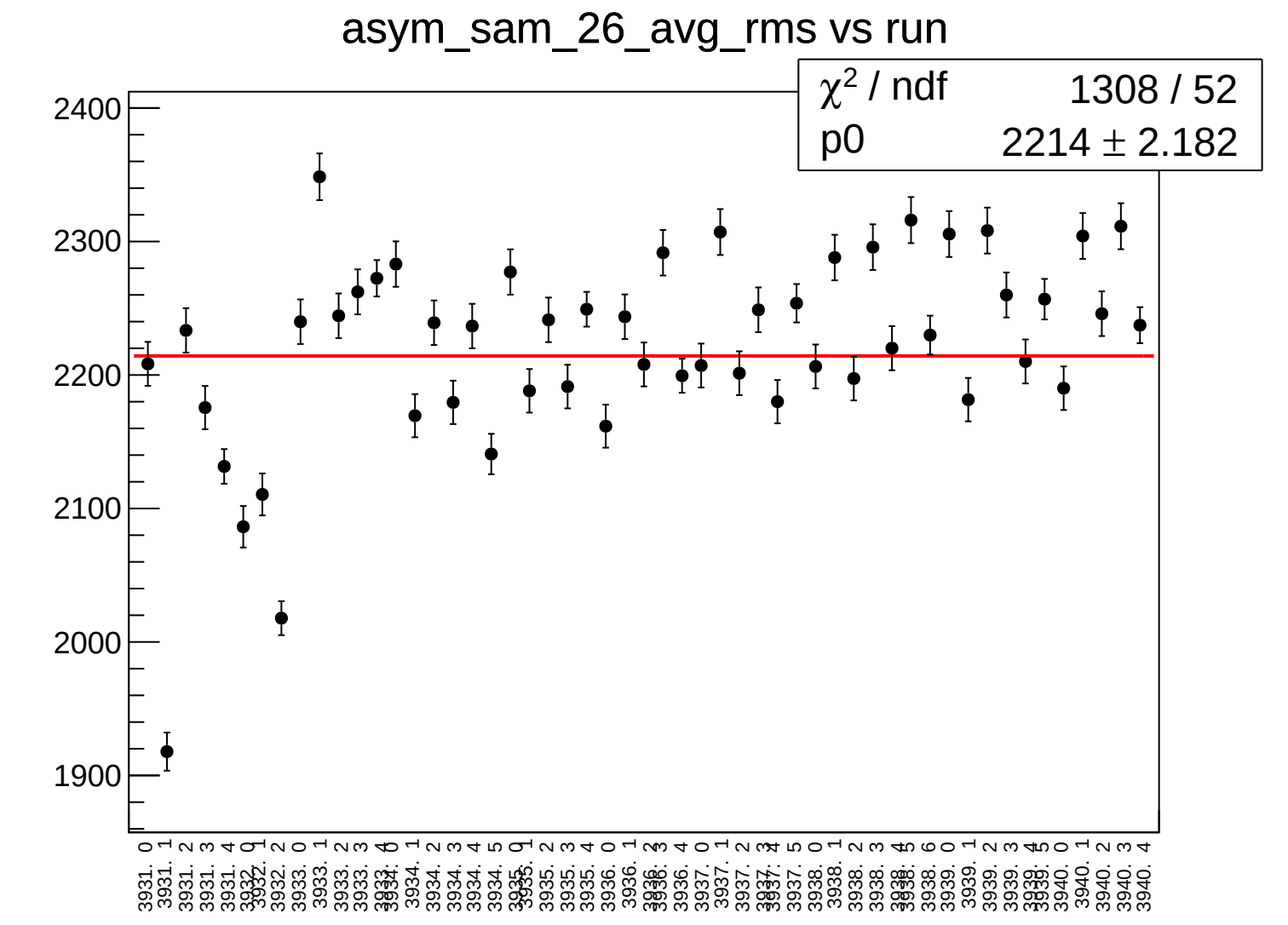

asym_sam_15_avg_mean vs run
χ² / ndf 49.91 / 52
p0 −317.1± 261.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean 120.9
Std Dev 83.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

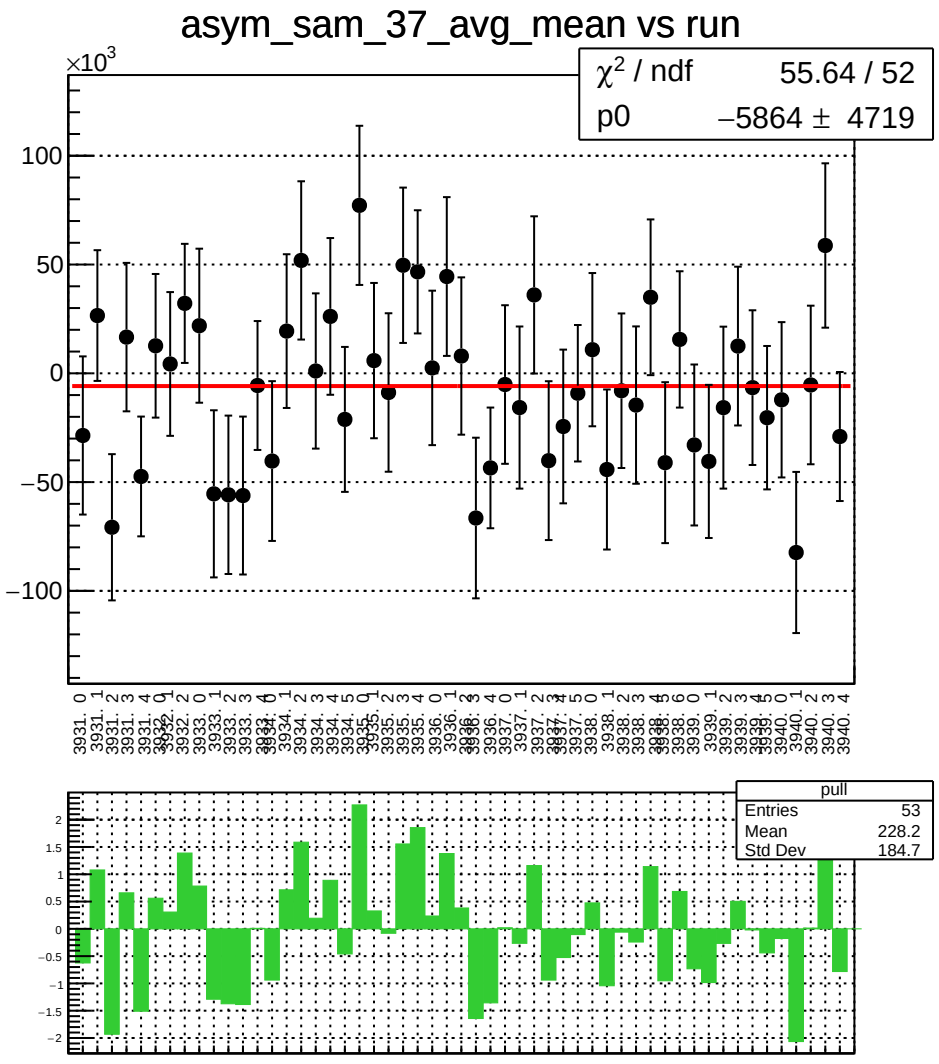

pull1D
Entries 53
Mean −0.03384
Std Dev 0.9698
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

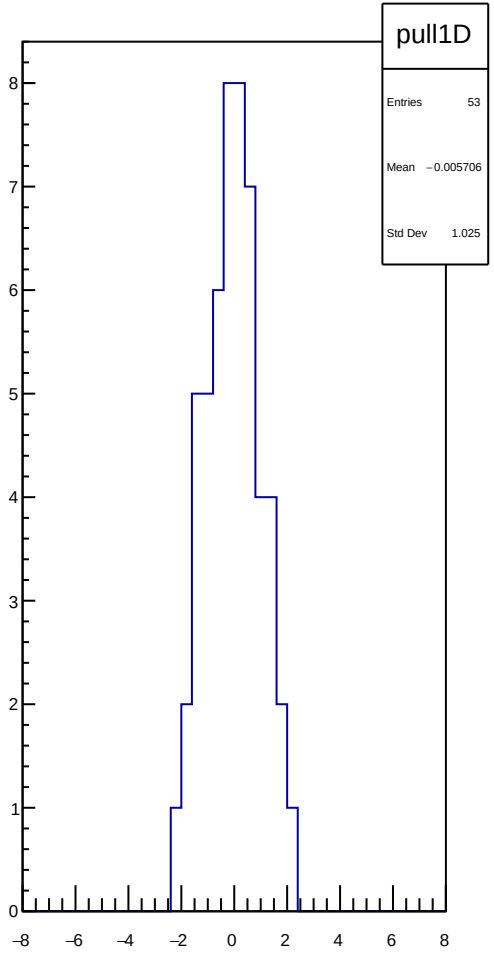

asym_sam_15_avg_rms vs run
χ² / ndf 6532 / 52
p0 187.2 ± 0.185
400
350
300
250
200
150

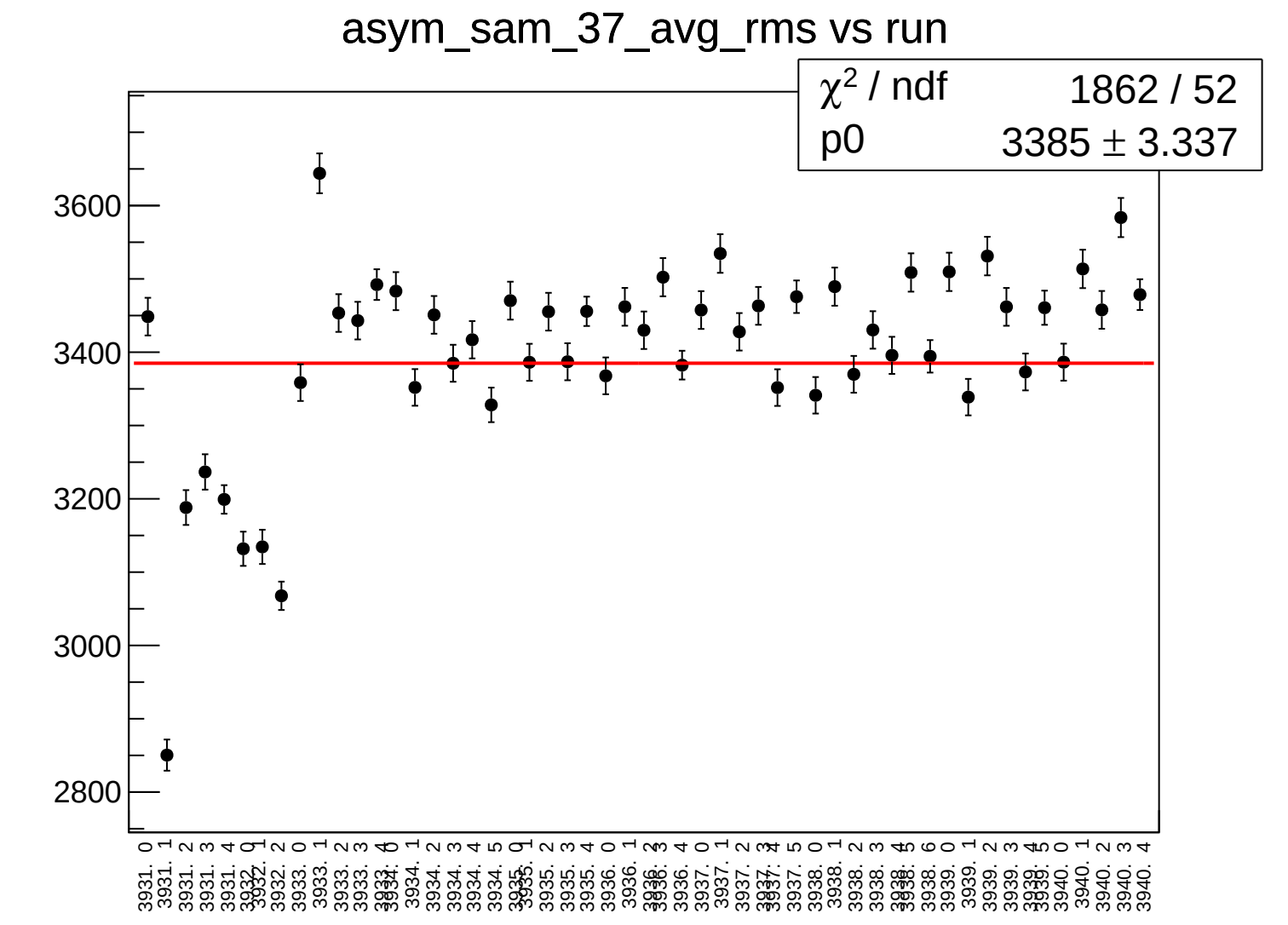

asym_sam_26_avg_mean vs run
χ² / ndf 59.58 / 52
p0 −3682 ± 3086
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean 90.87
Std Dev 31.37
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

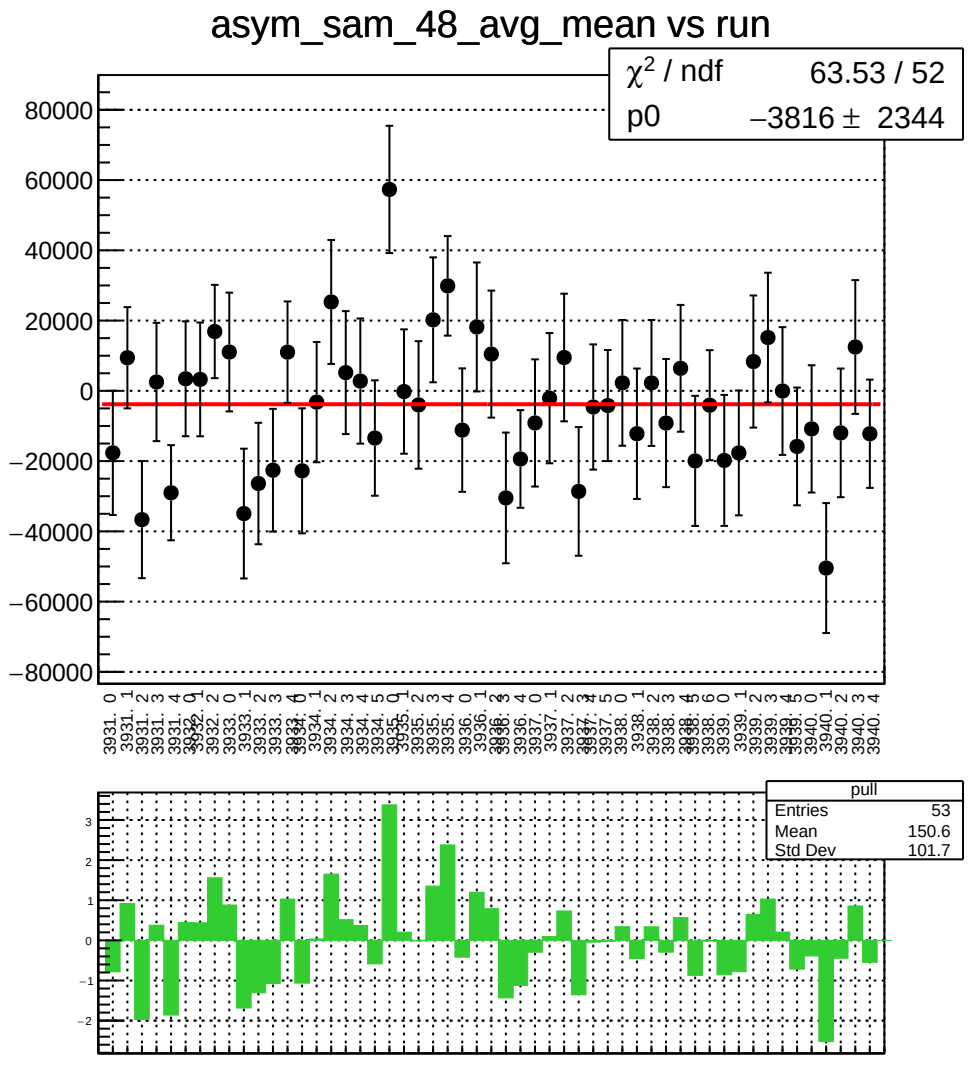

pull1D
Entries 53
Mean −0.02116
Std Dev 1.06
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

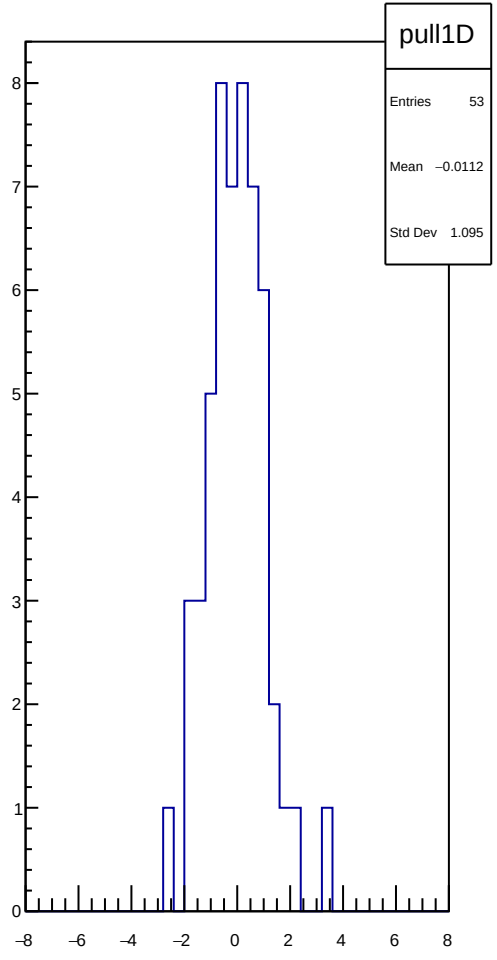

asym_sam_26_avg_rms vs run
χ² / ndf 1308 / 52
p0 2214 ± 2.182
2400
2300
2200
2100
2000
1900
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

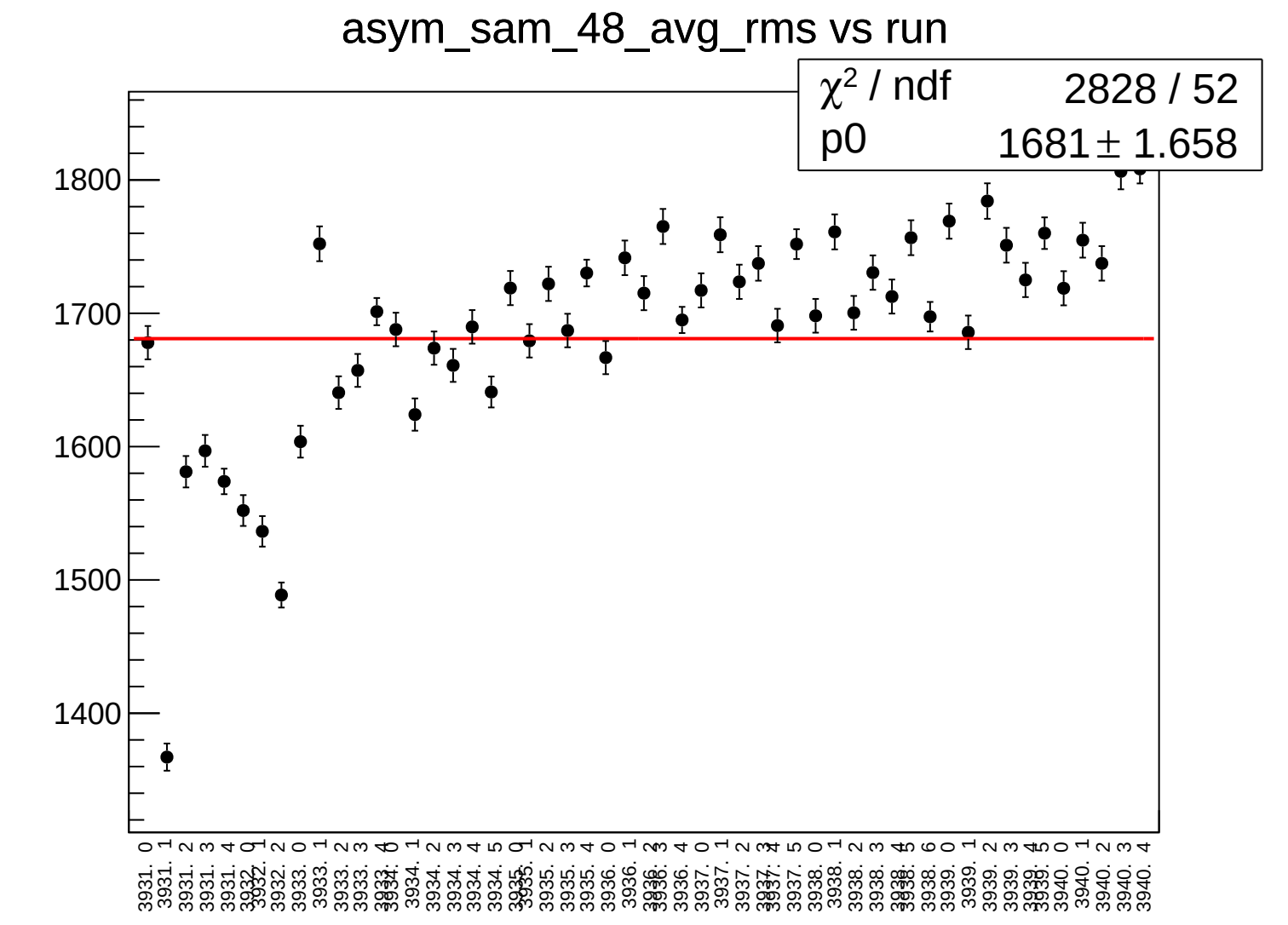

asym_sam_37_avg_mean vs run
χ² / ndf 55.64 / 52
p0 −5864 ± 4719
×10³
pull
Entries 53
Mean 228.2
Std Dev 184.7

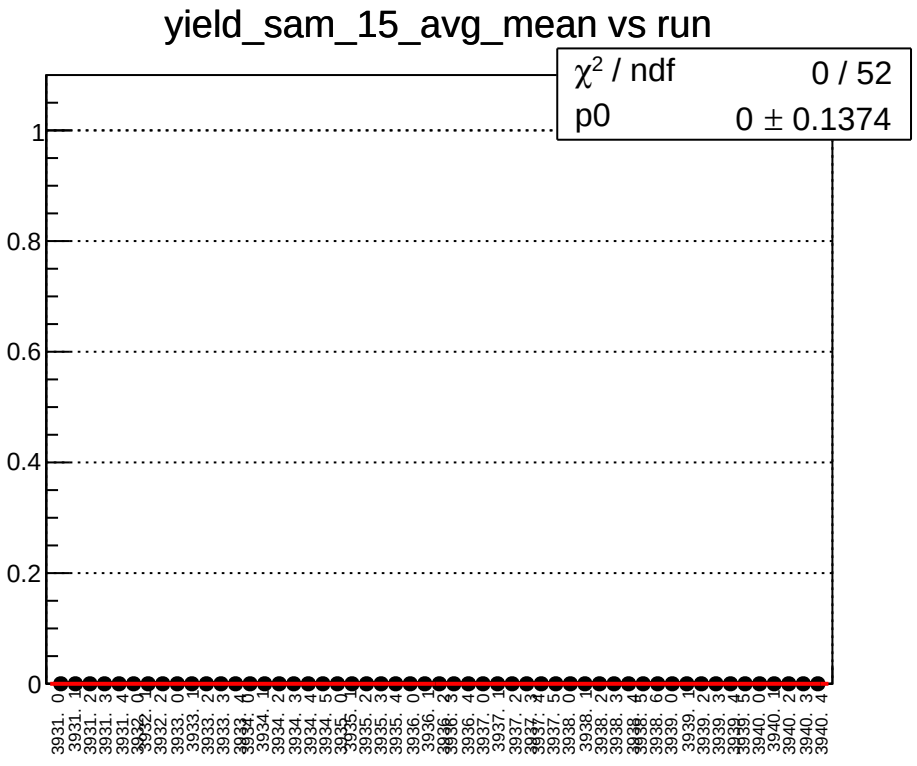

pull1D
Entries 53
Mean −0.005706
Std Dev 1.025

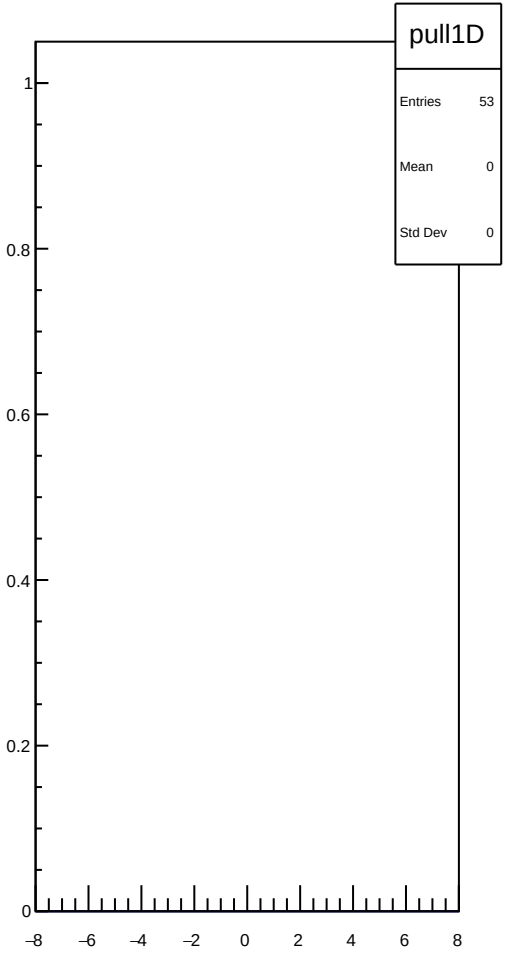

asym_sam_37_avg_rms vs run
χ² / ndf 1862 / 52
p0 3385 ± 3.337
3600
3400
3200
3000
2800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

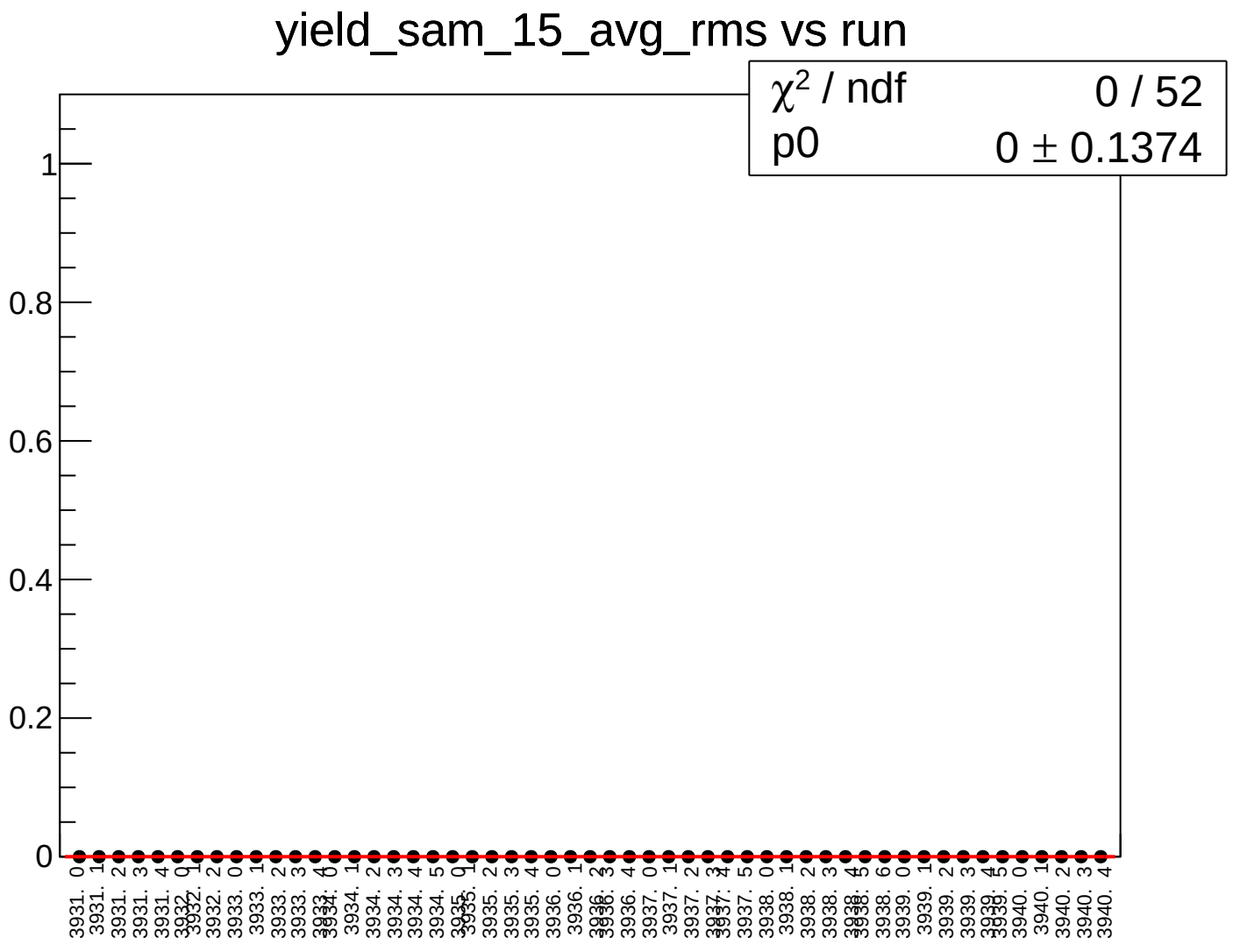

asym_sam_48_avg_mean vs run
χ² / ndf 63.53 / 52
p0 −3816 ± 2344
pull
Entries 53
Mean 150.6
Std Dev 101.7

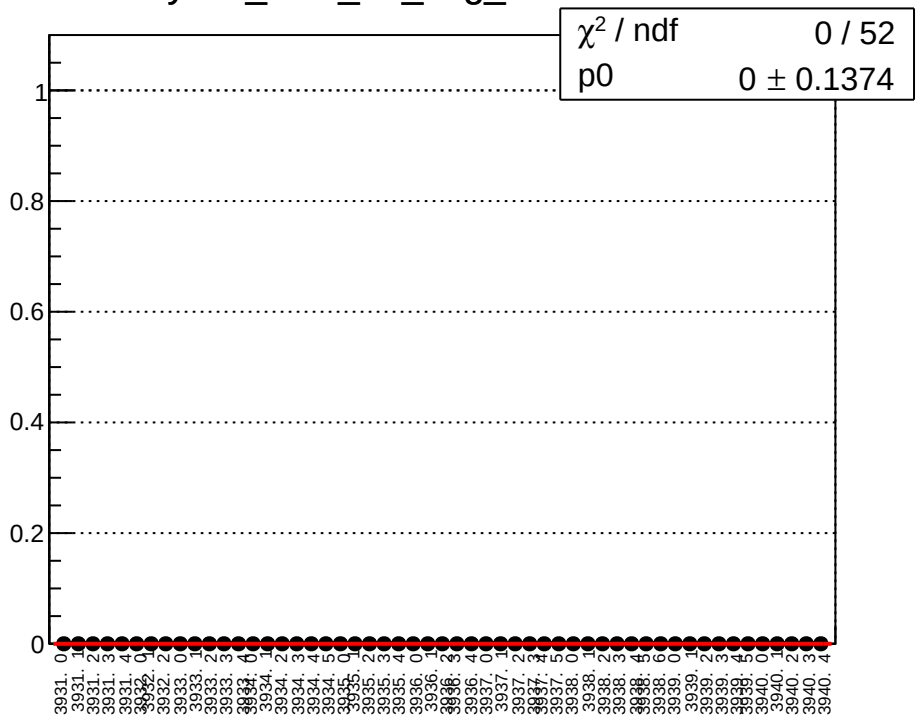

pull1D
Entries 53
Mean −0.0112
Std Dev 1.095

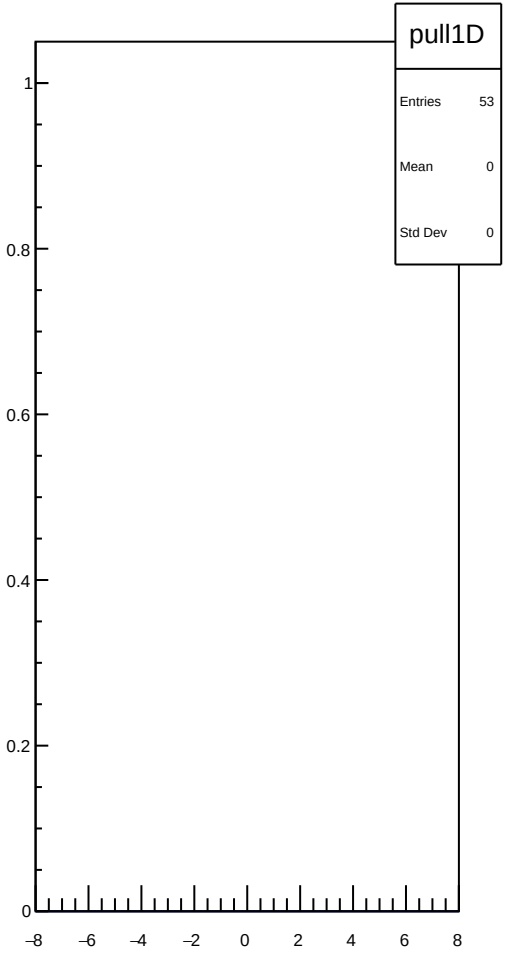

asym_sam_48_avg_rms vs run
χ² / ndf 2828 / 52
p0 1681 ± 1.658
1800
1700
1600
1500
1400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

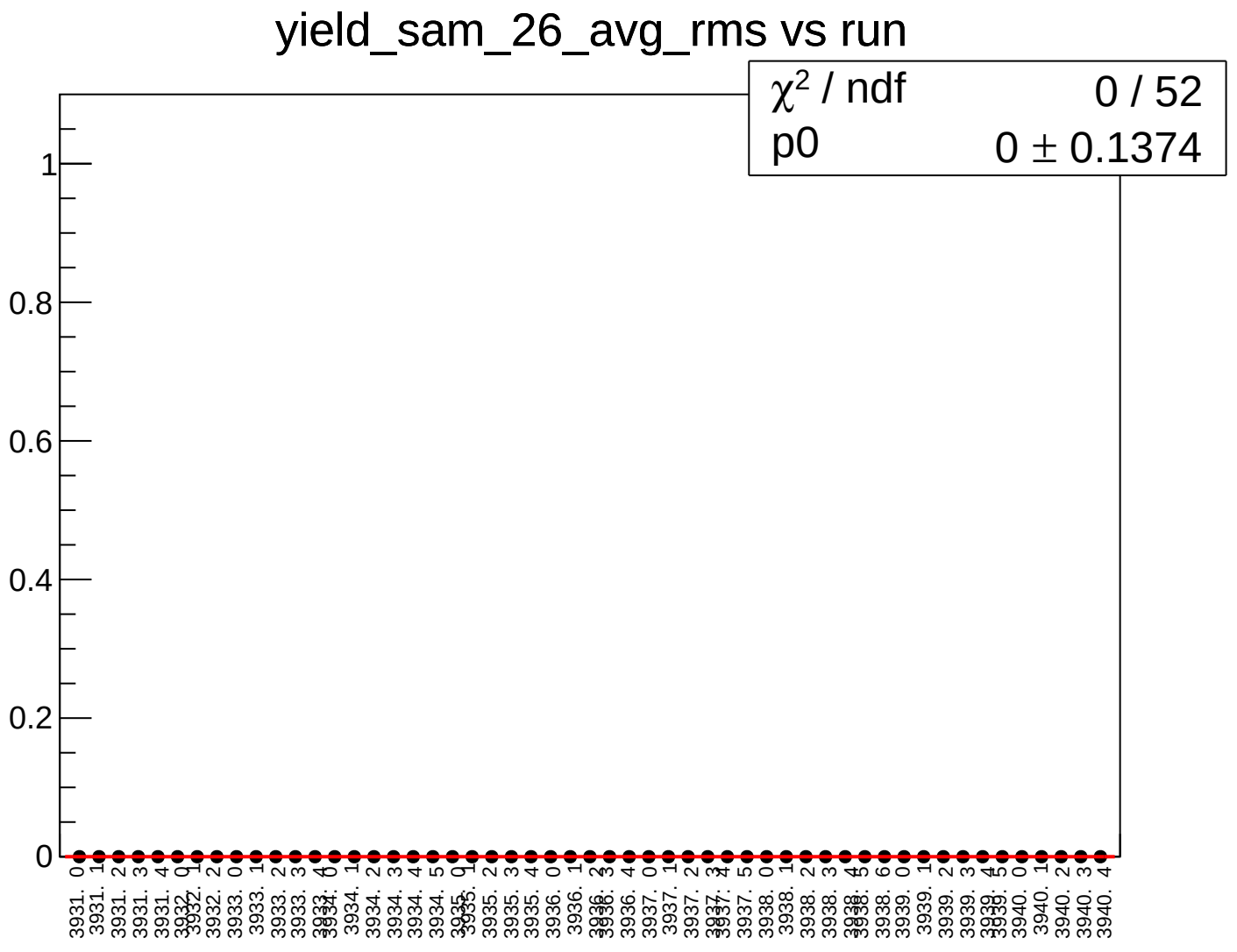

yield_sam_15_avg_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

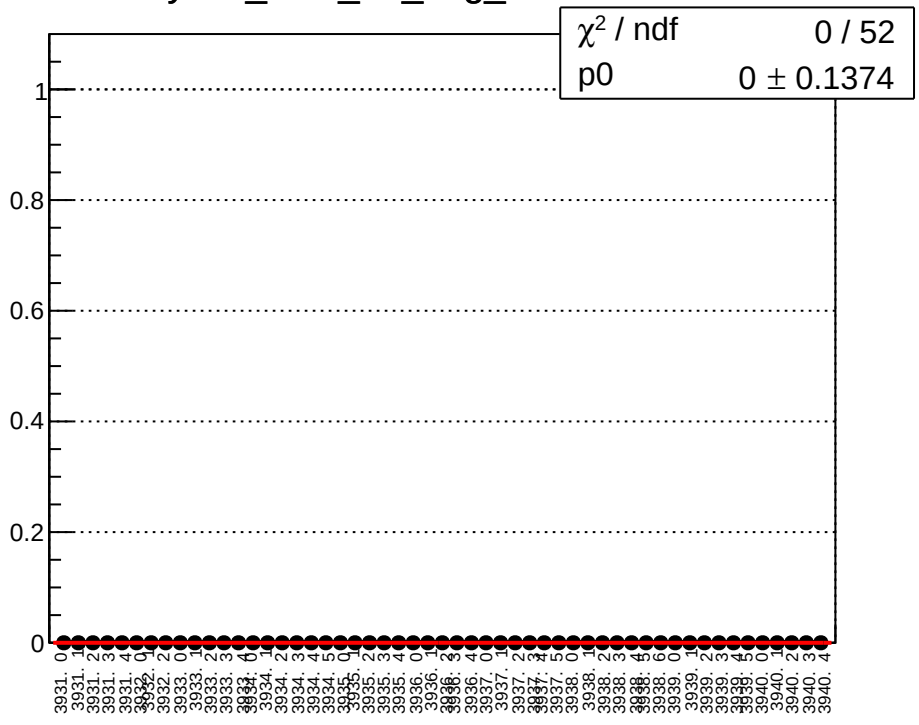

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

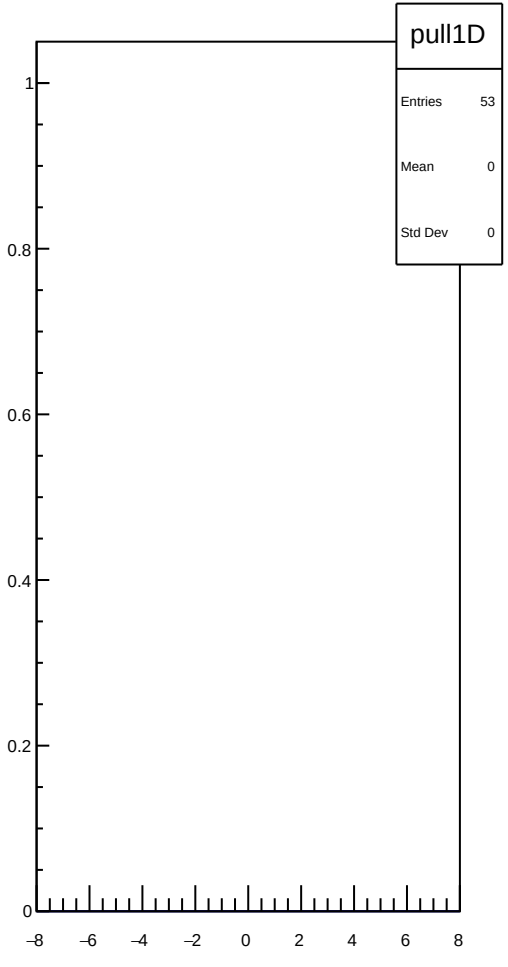

yield_sam_15_avg_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

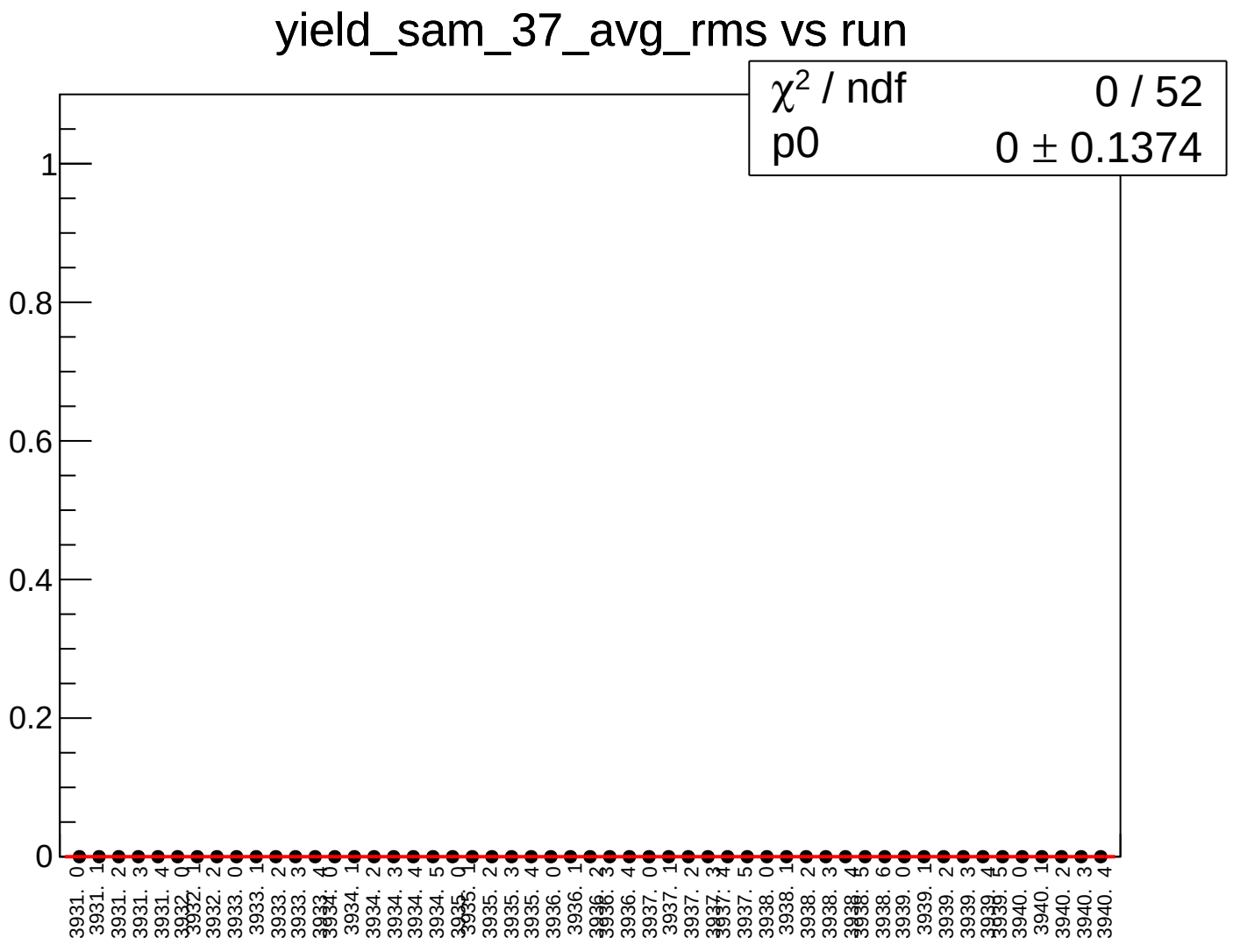

yield_sam_26_avg_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

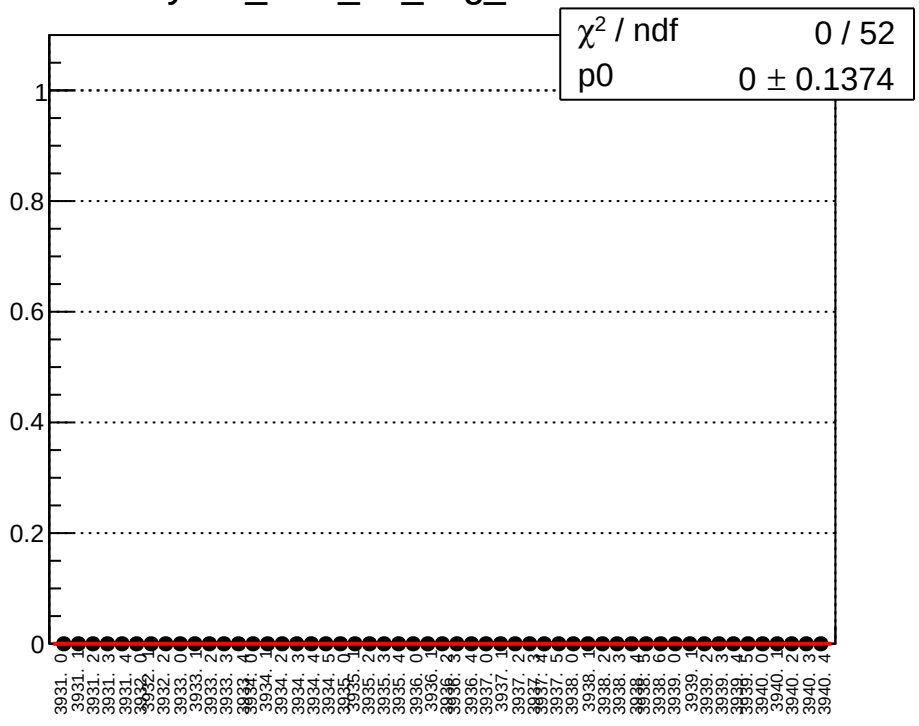

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

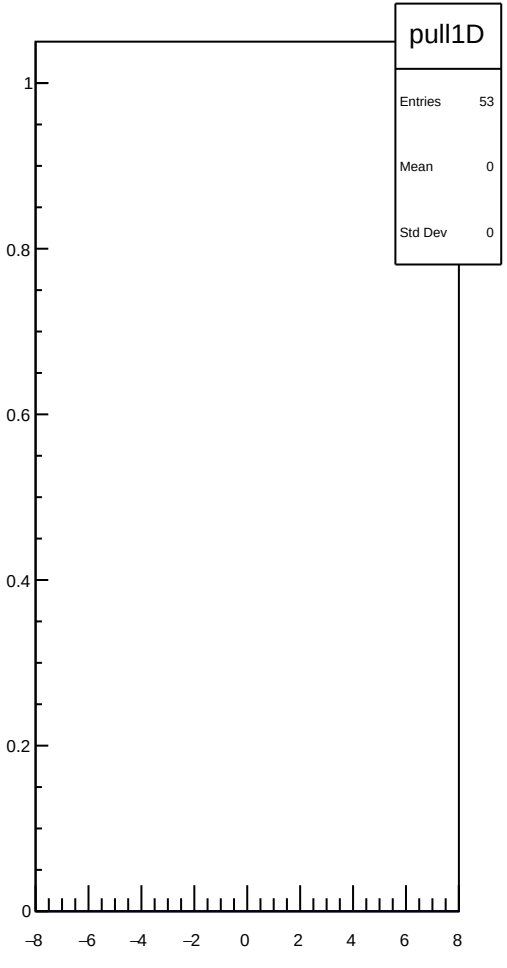

yield_sam_26_avg_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0


yield_sam_37_avg_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 53
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_sam_37_avg_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0


yield_sam_48_avg_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
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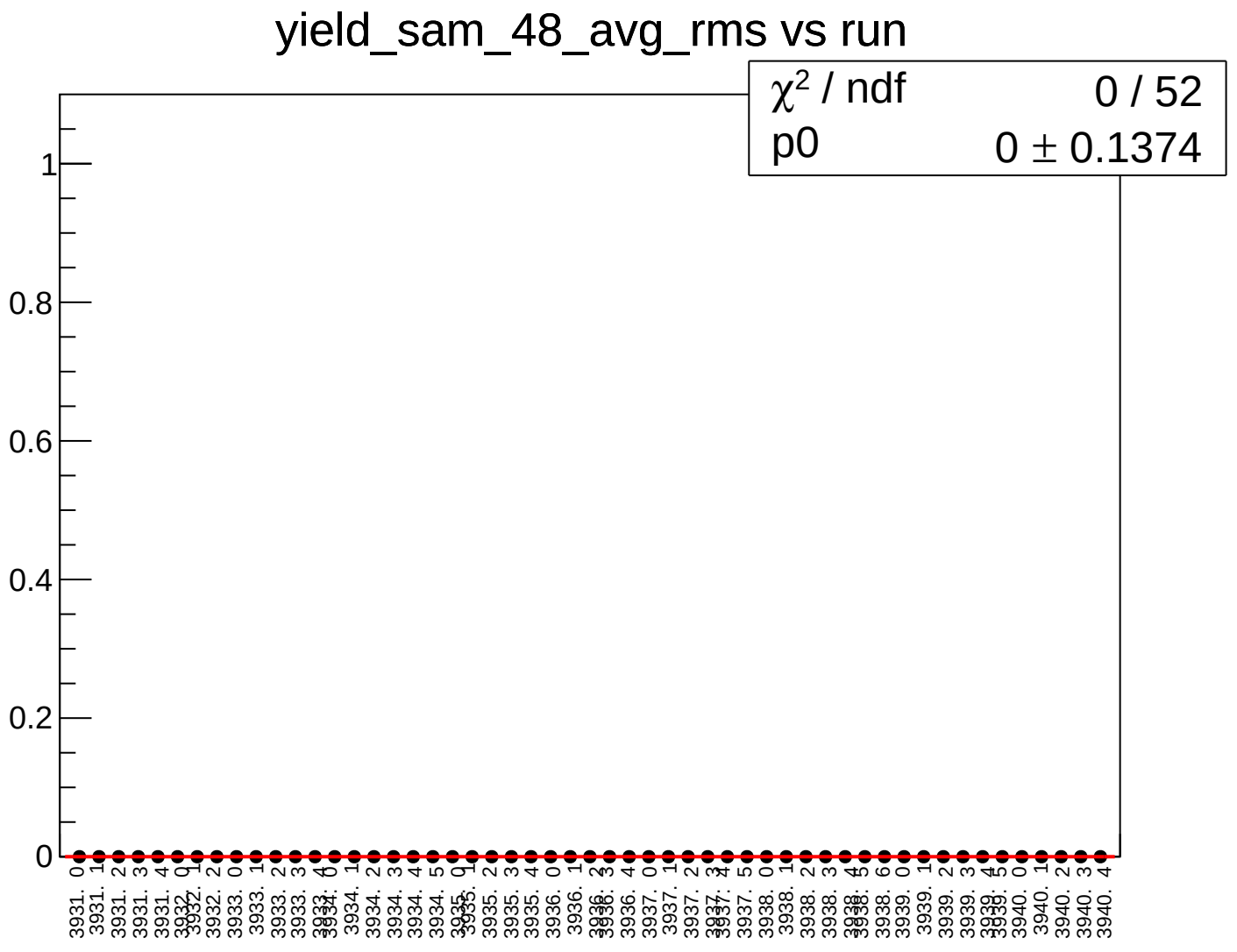
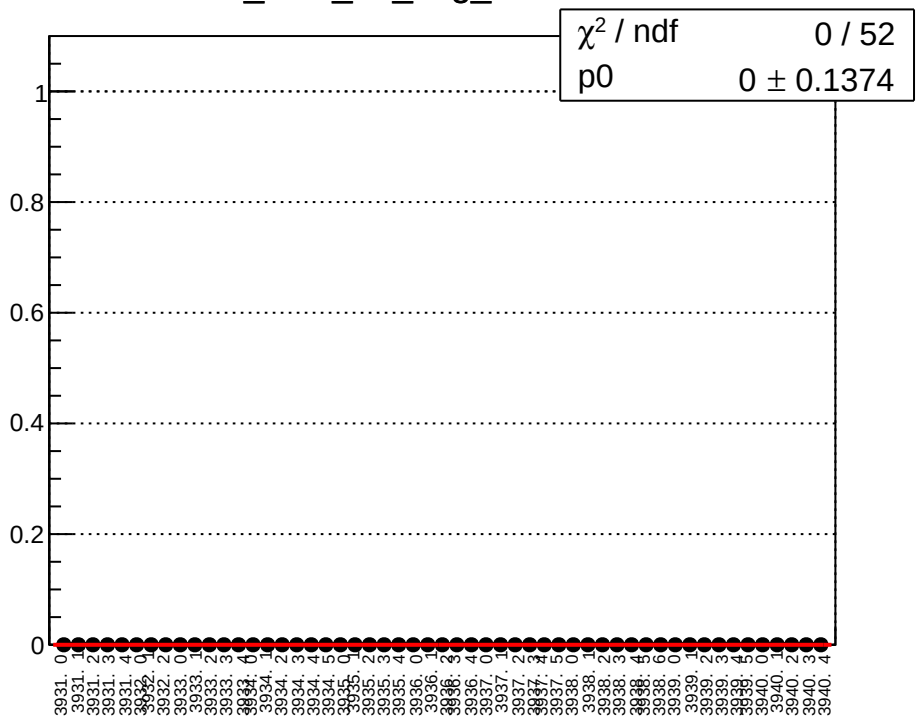
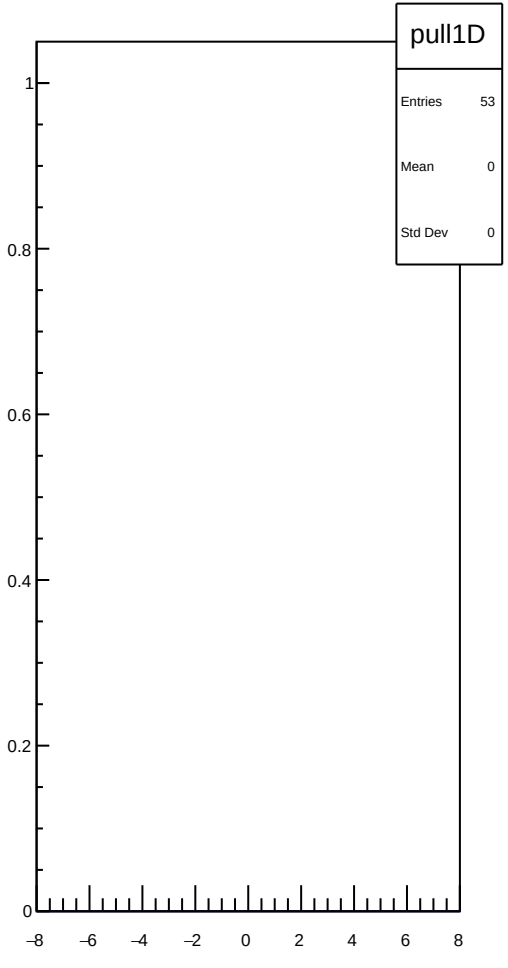
2
4
6
8


yield_sam_48_avg_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0


cor_sam_15_avg_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
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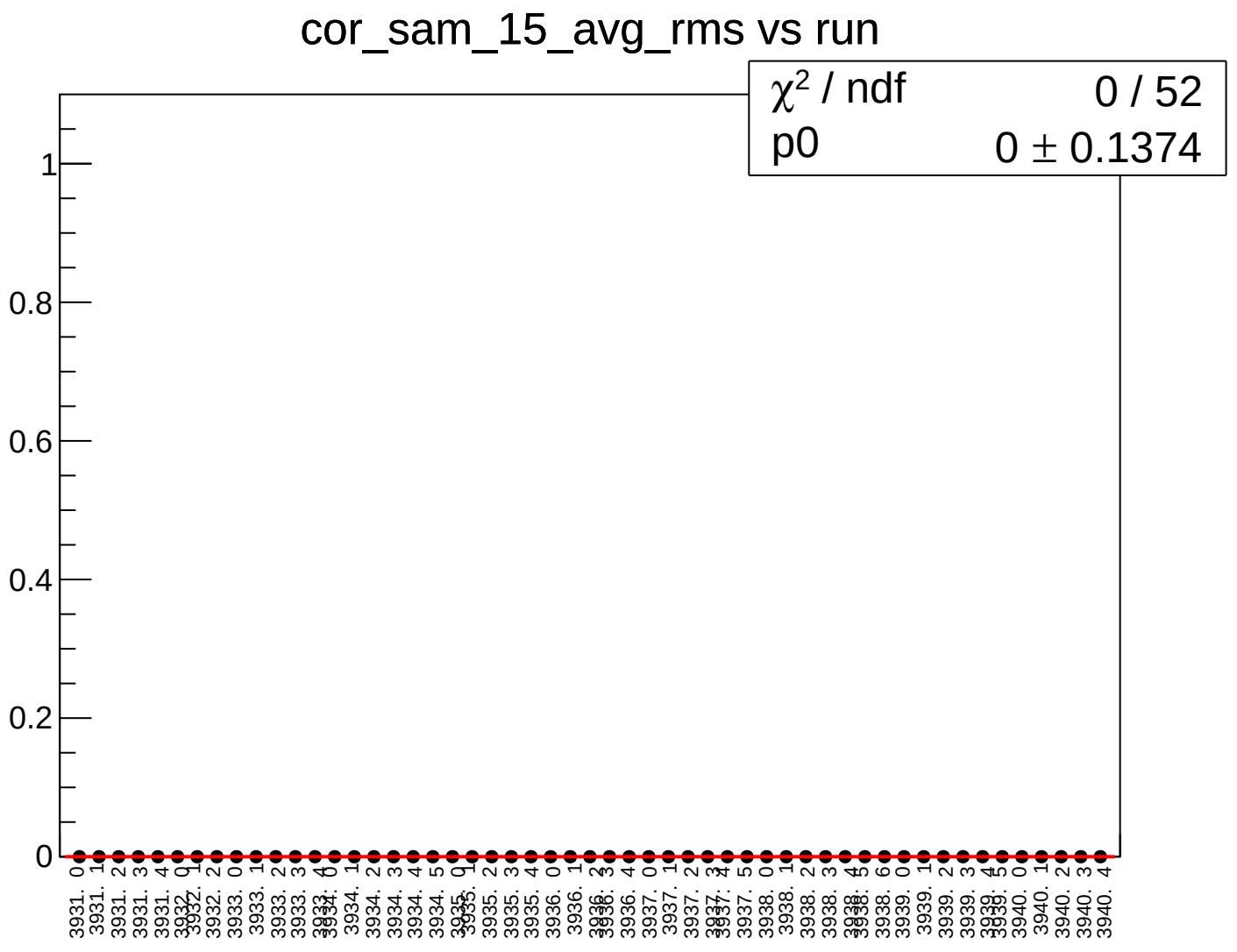
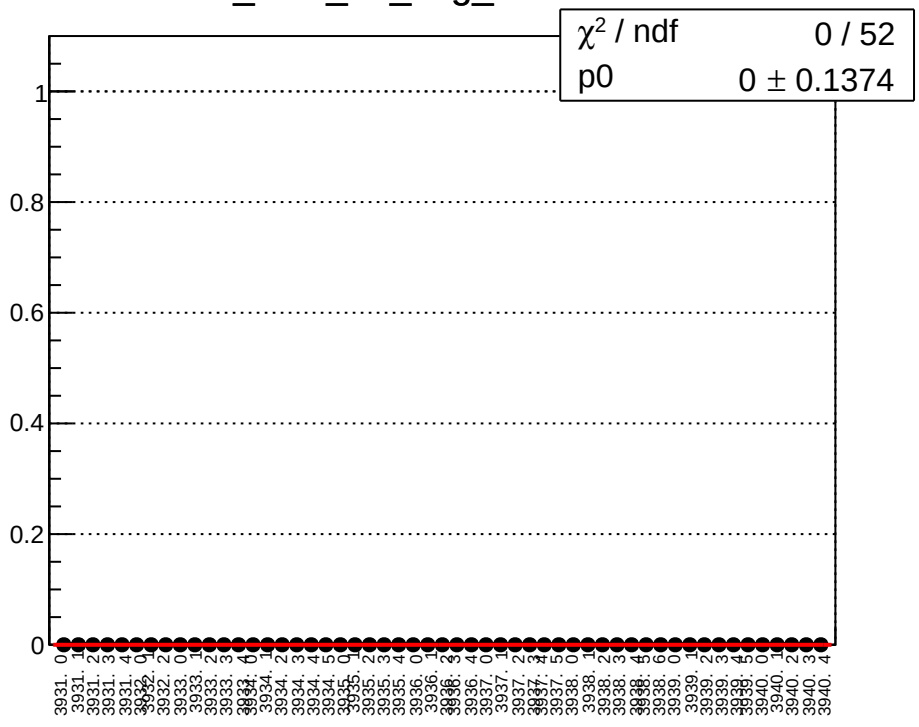
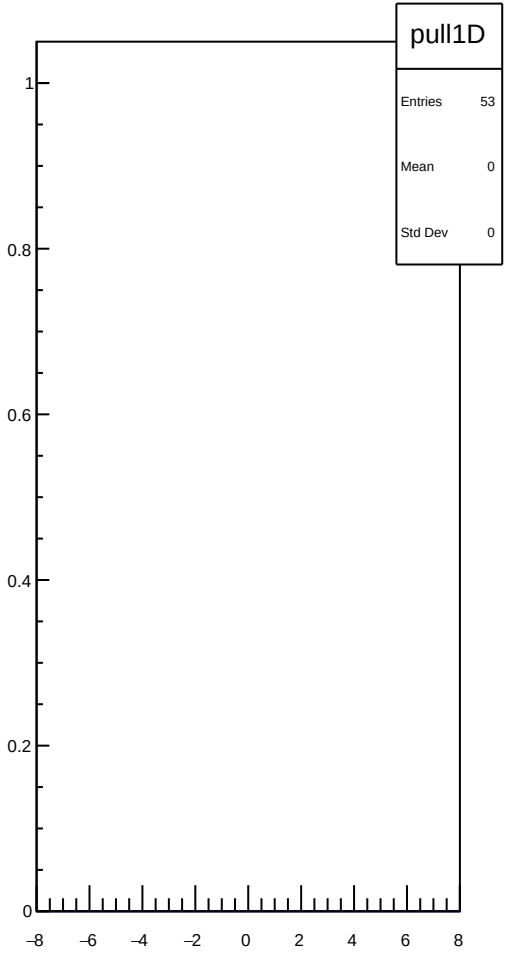
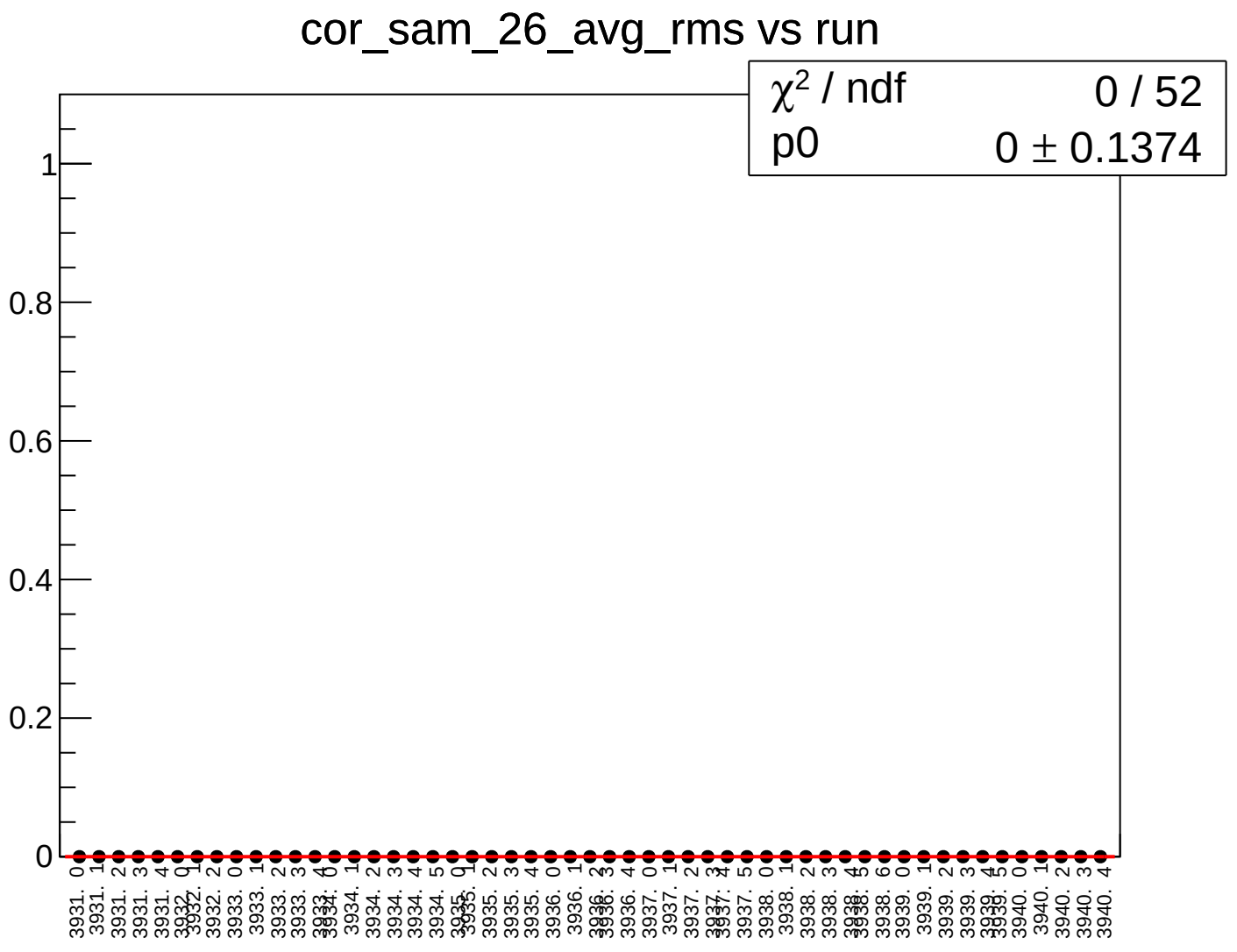
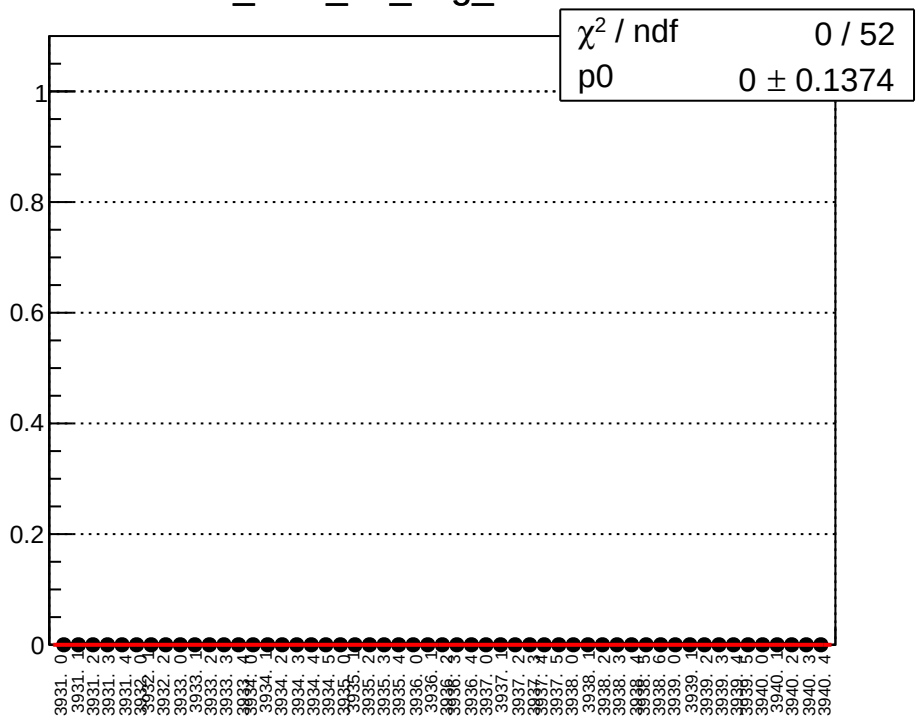
0
2
4
6
8

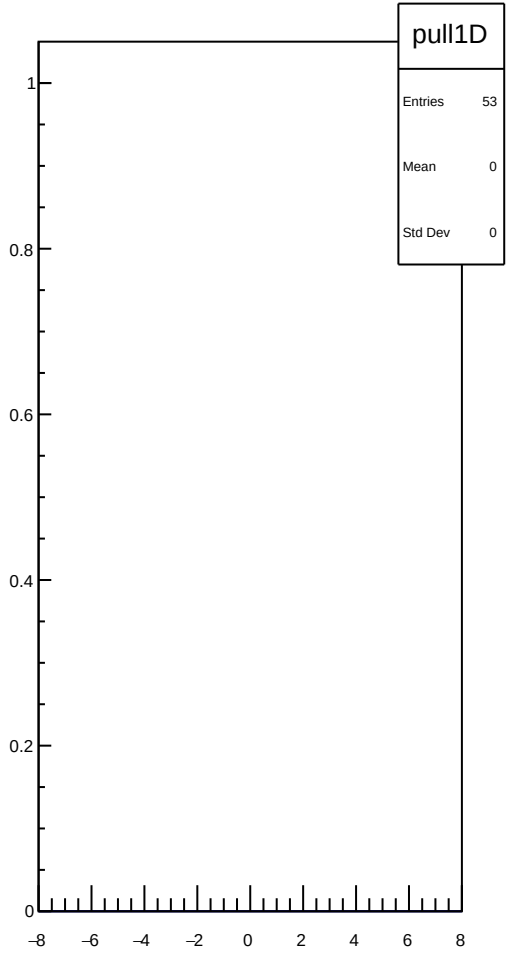

cor_sam_15_avg_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

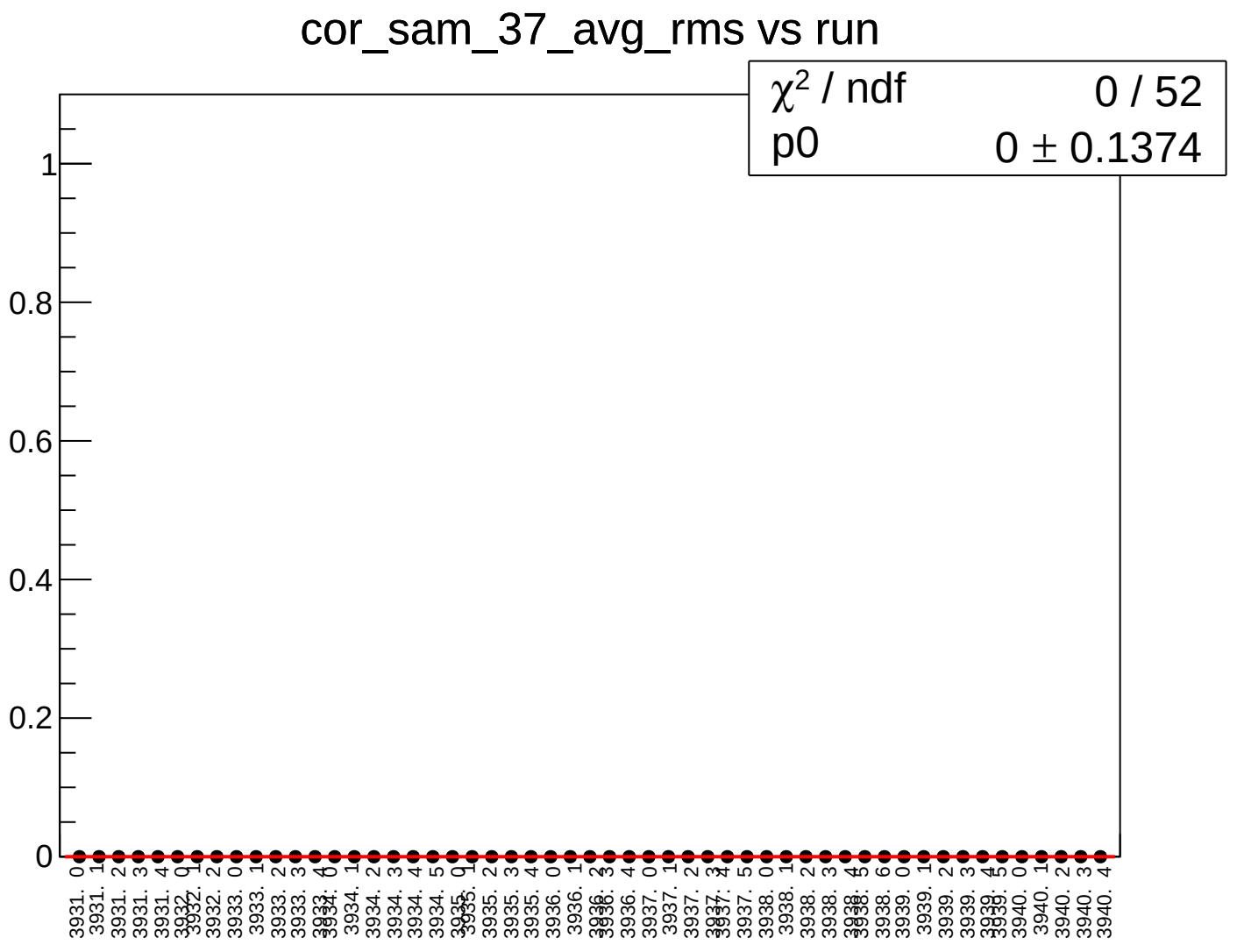

cor_sam_26_avg_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

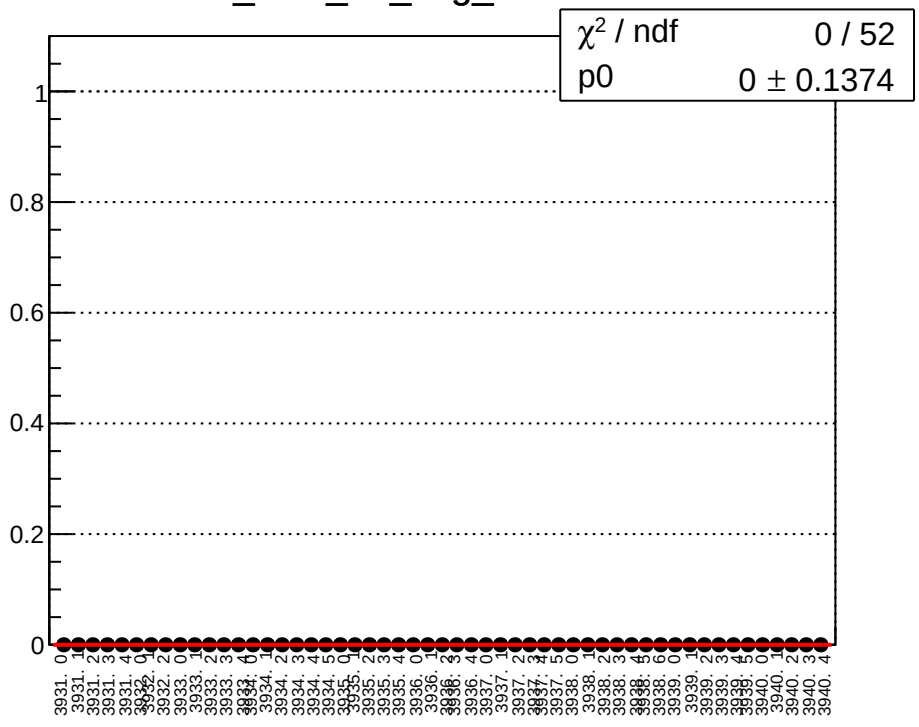

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

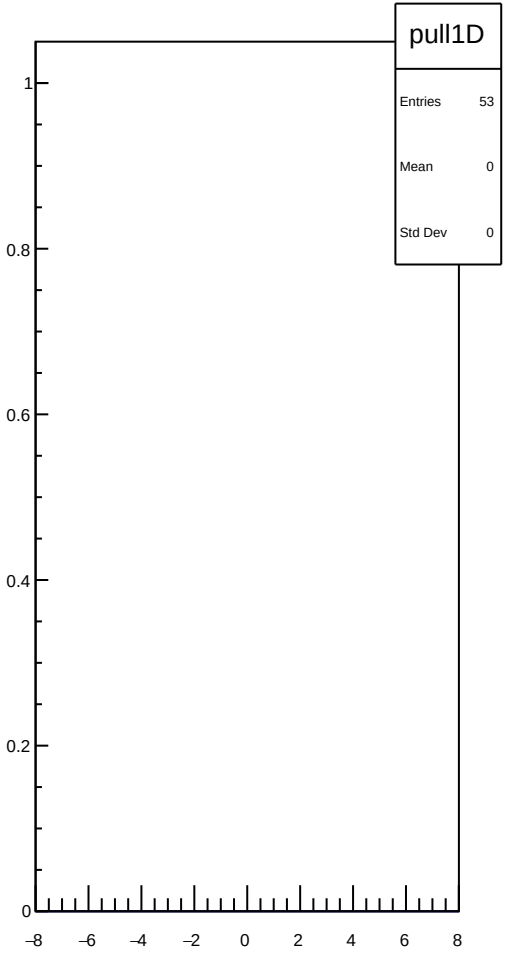

cor_sam_26_avg_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

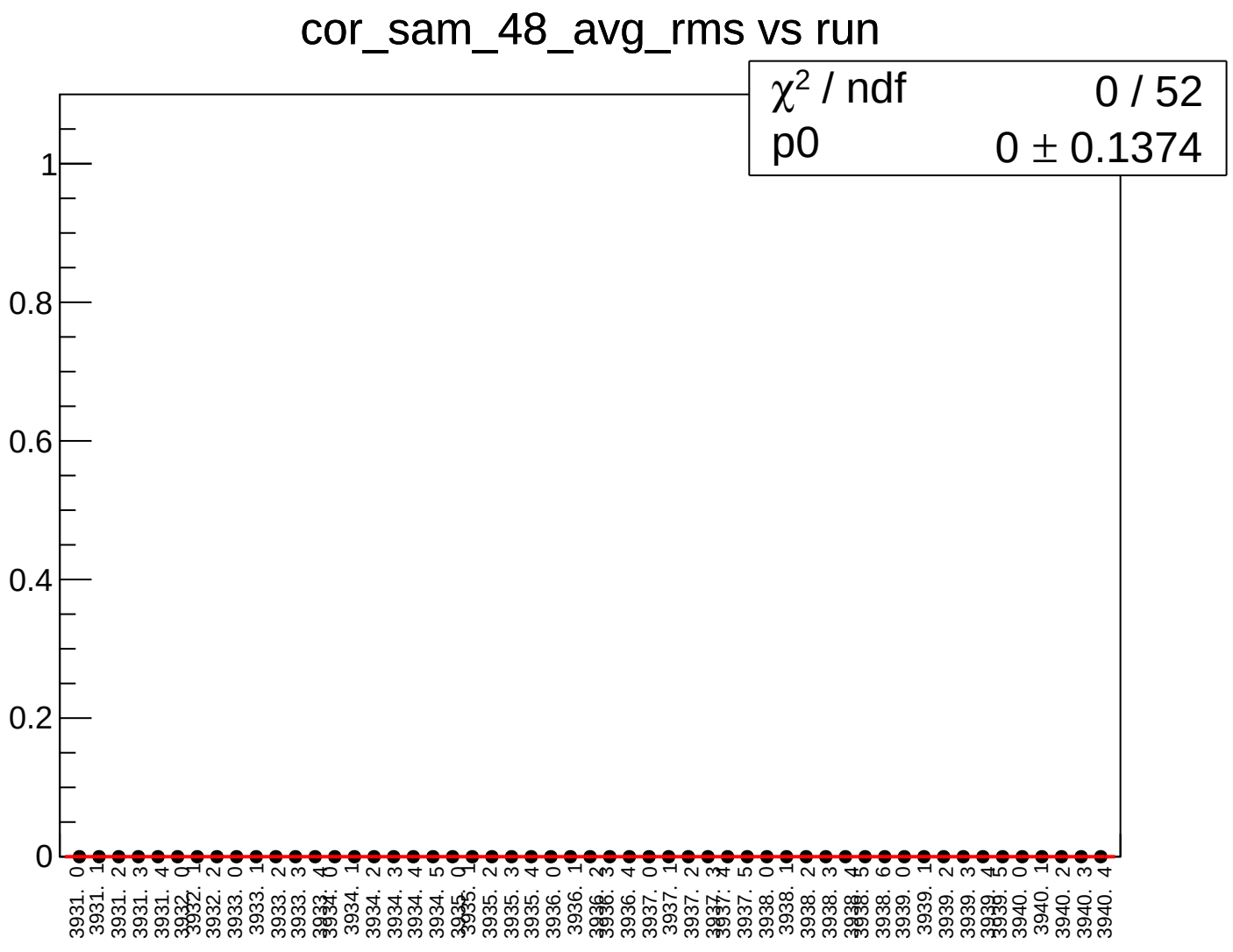

cor_sam_37_avg_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

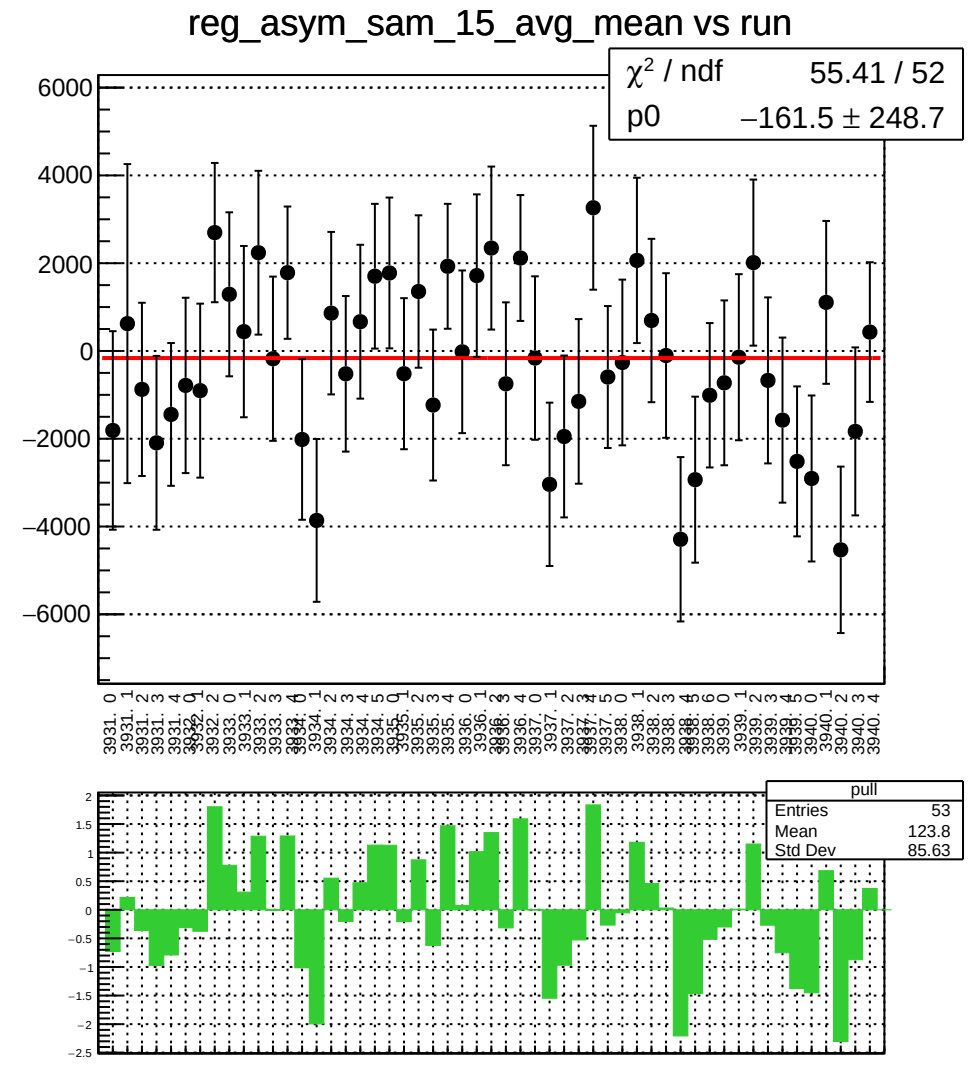

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

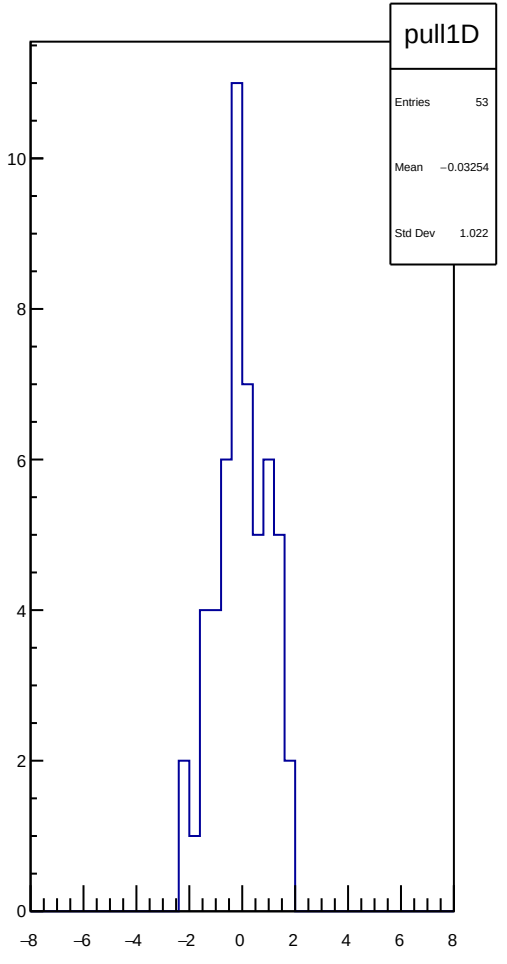

cor_sam_37_avg_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

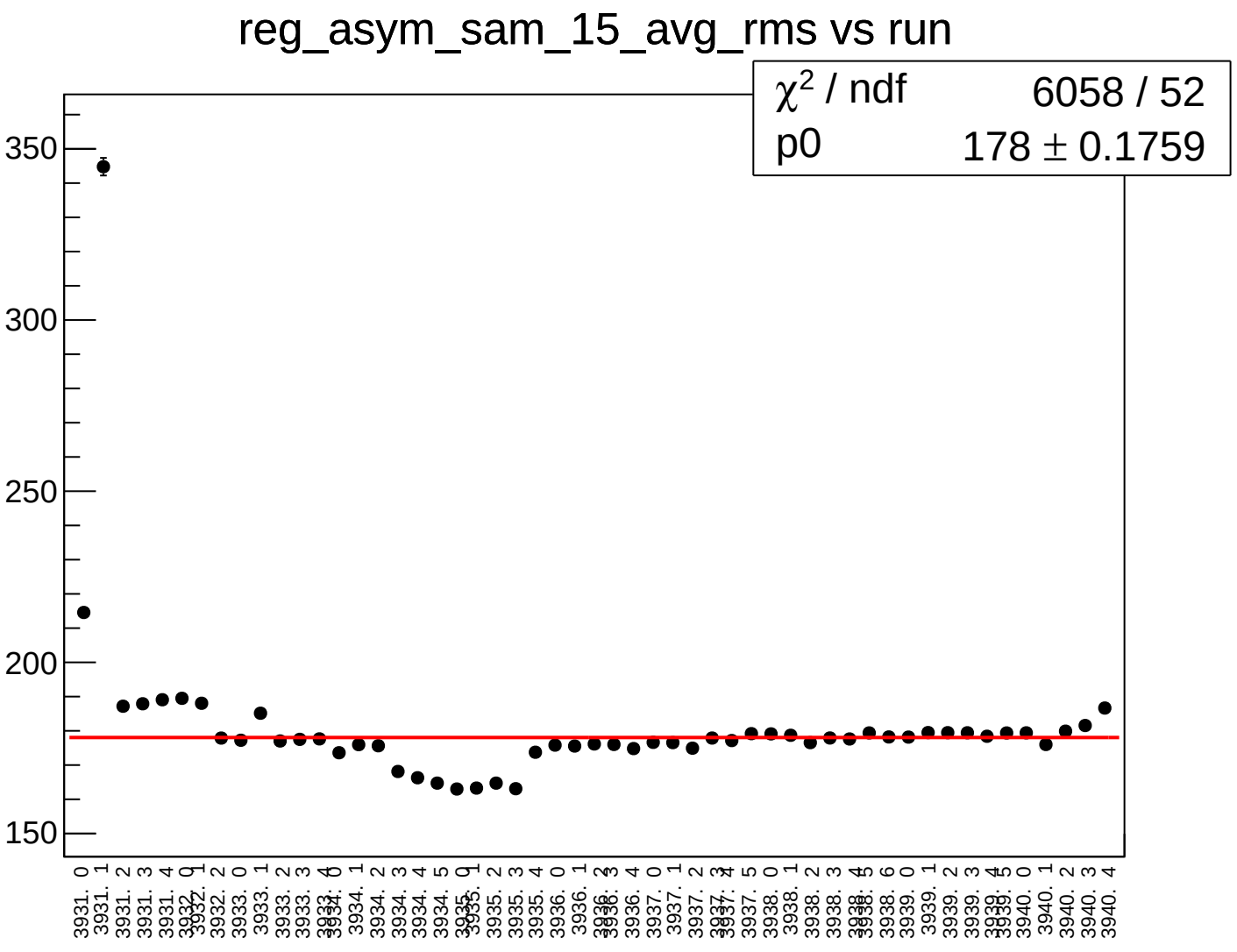

cor_sam_48_avg_mean vs run
χ^2 / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

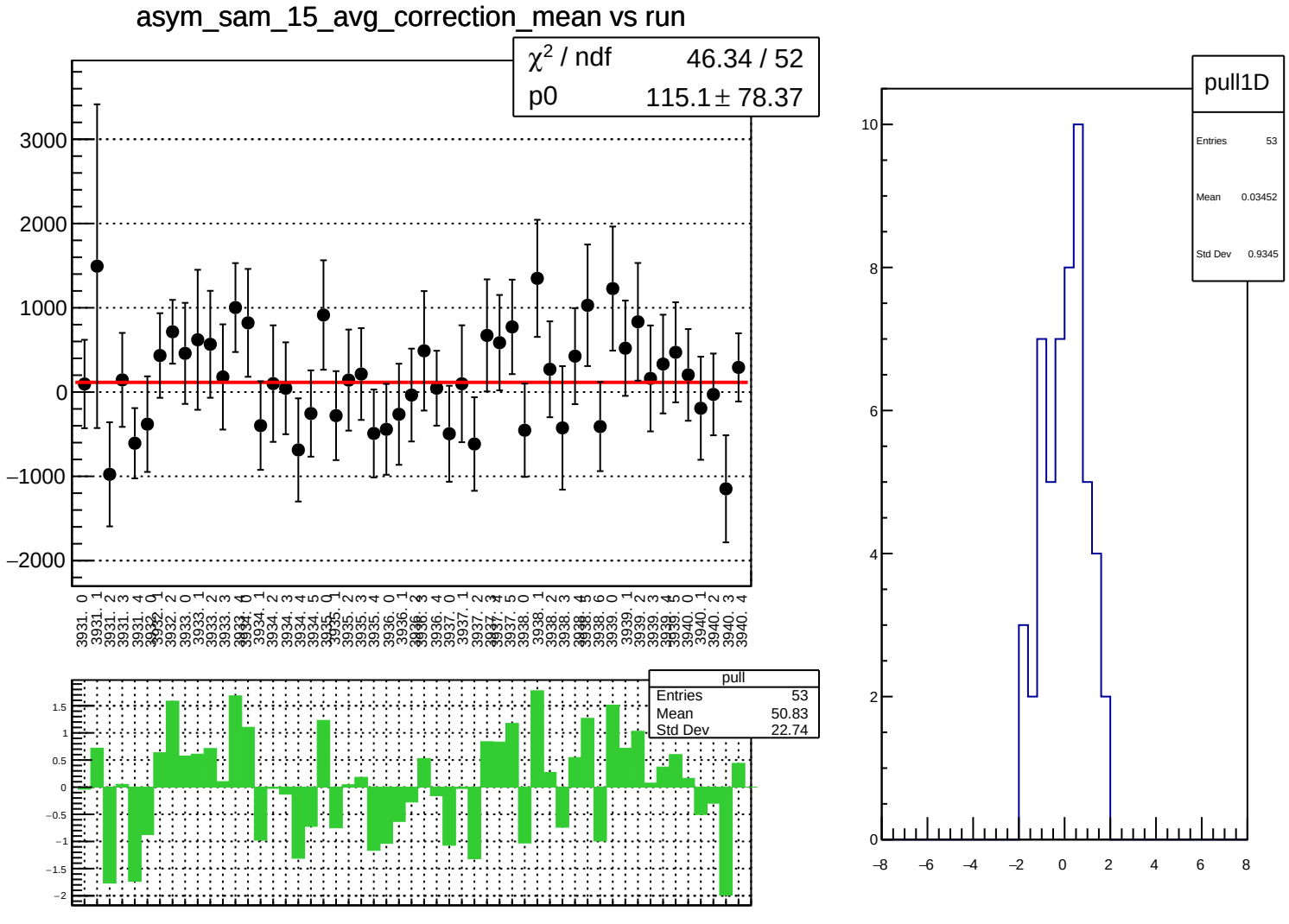

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

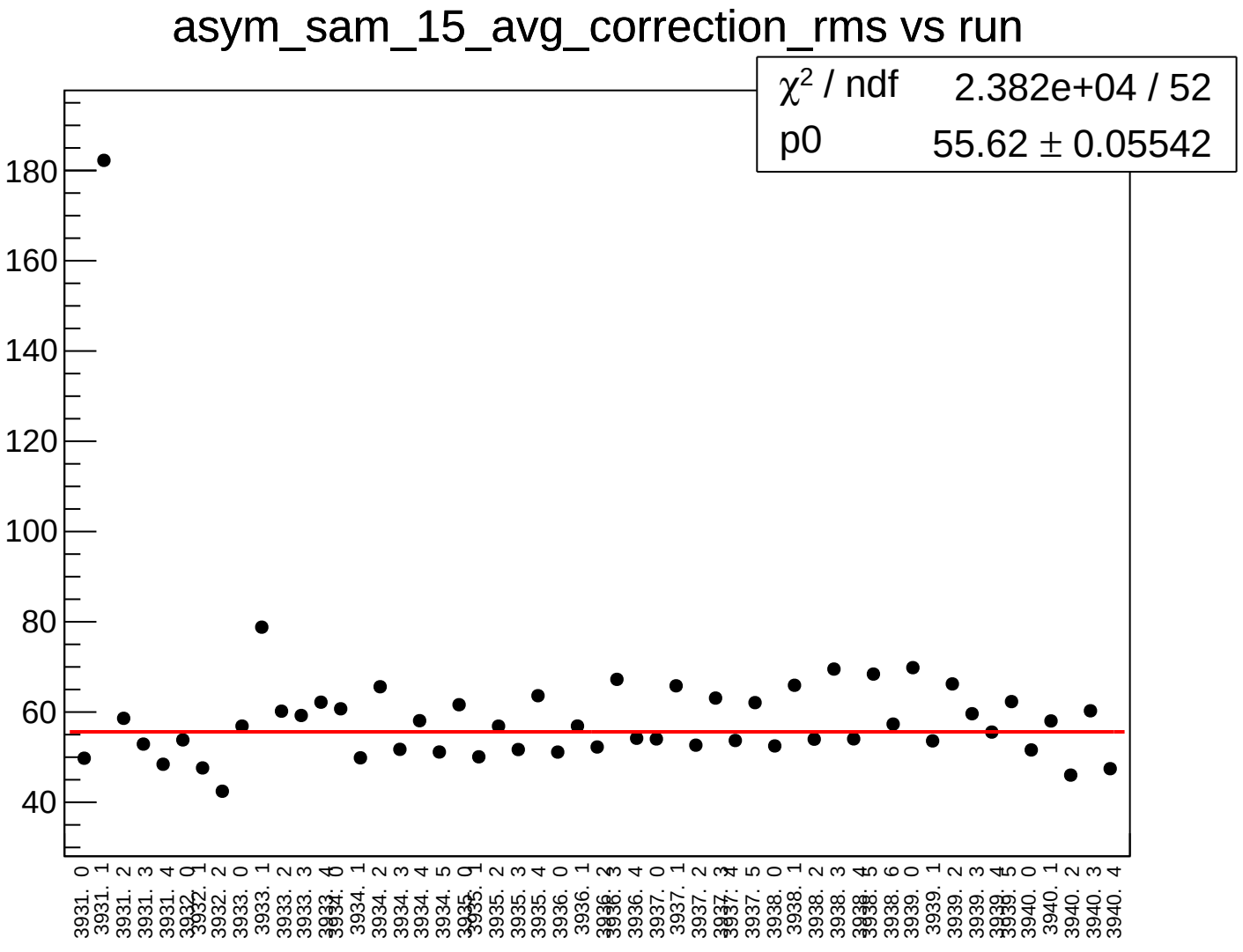

cor_sam_48_avg_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

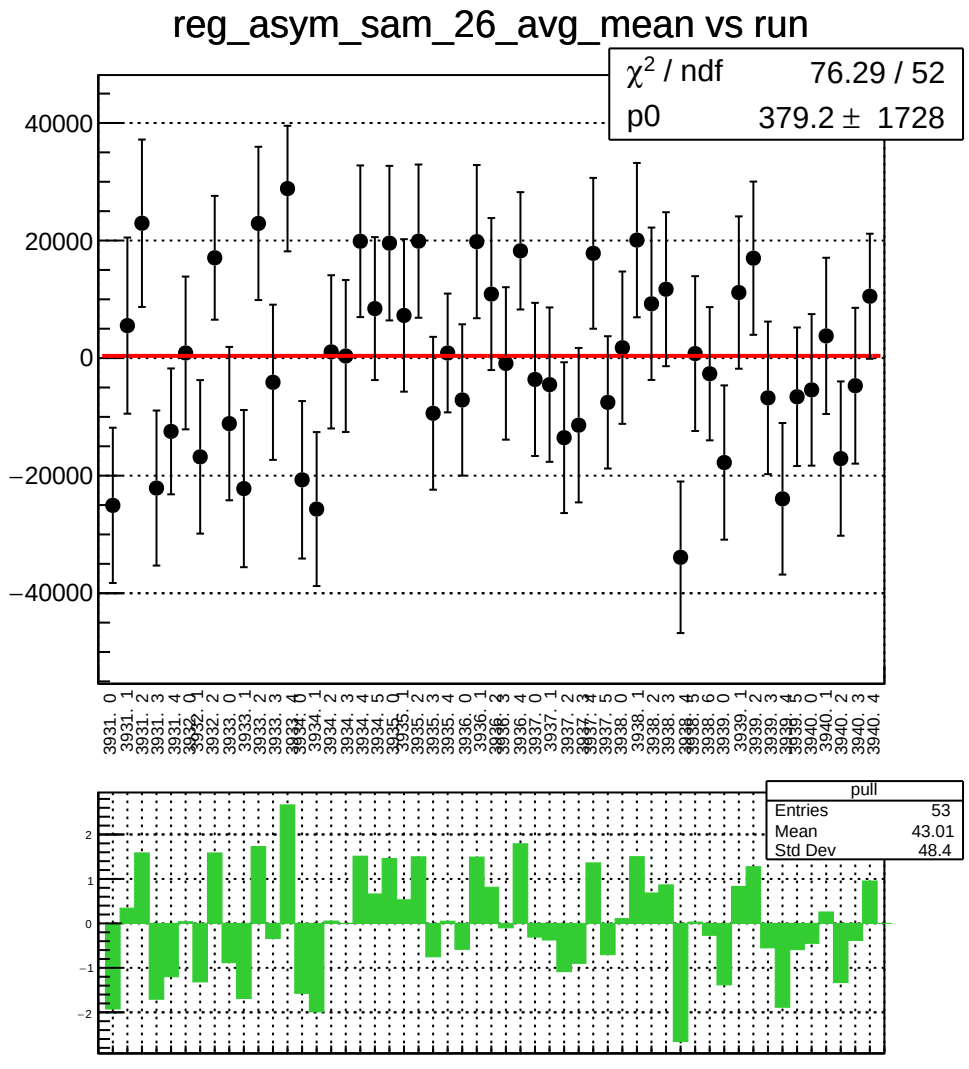

reg_asym_sam_15_avg_mean vs run
χ² / ndf 55.41 / 52
p0 −161.5 ± 248.7
pull
Entries 53
Mean 123.8
Std Dev 85.63

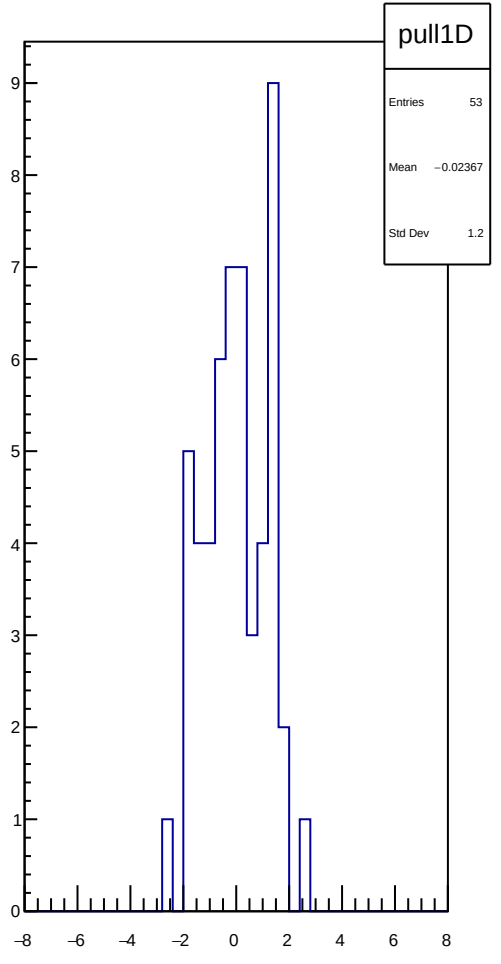

pull1D
Entries 53
Mean −0.03254
Std Dev 1.022

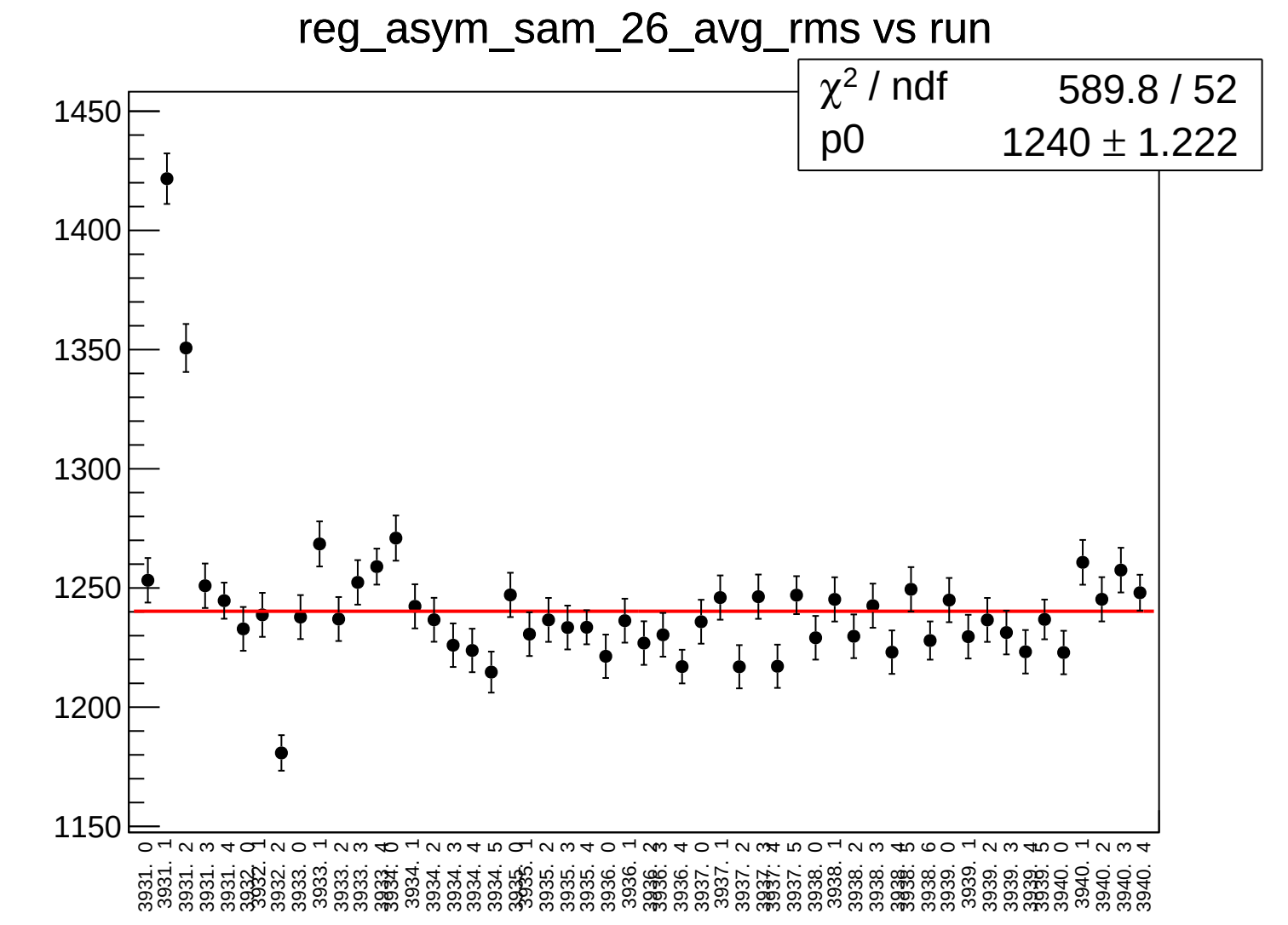

reg_asym_sam_15_avg_rms vs run
χ² / ndf 6058 / 52
p0 178 ± 0.1759
350
300
250
200
150

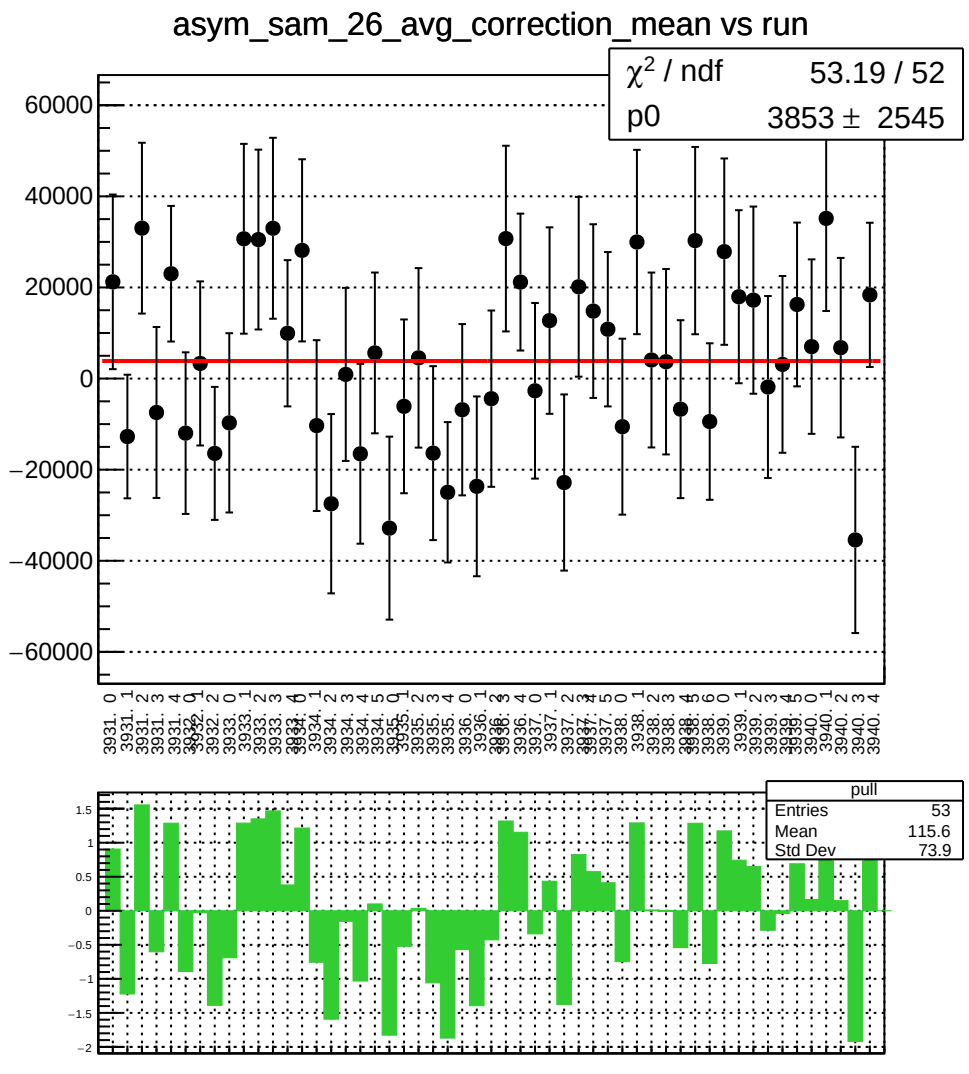

asym_sam_15_avg_correction_mean vs run
χ² / ndf 46.34 / 52
p0 115.1 ± 78.37
pull
Entries 53
Mean 50.83
Std Dev 22.74
pull1D
Entries 53
Mean 0.03452
Std Dev 0.9345

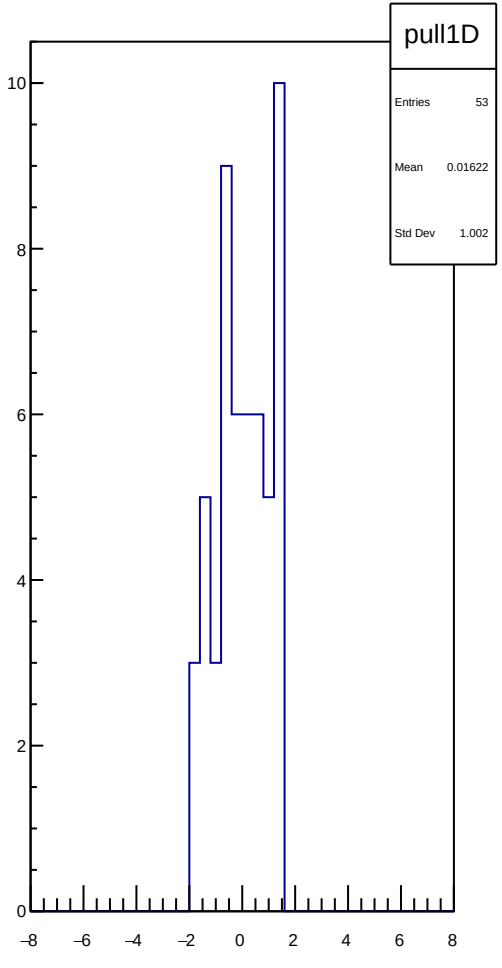

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2.382e+04 / 52
p0 55.62 ± 0.05542
180
160
140
120
100
80
60
40

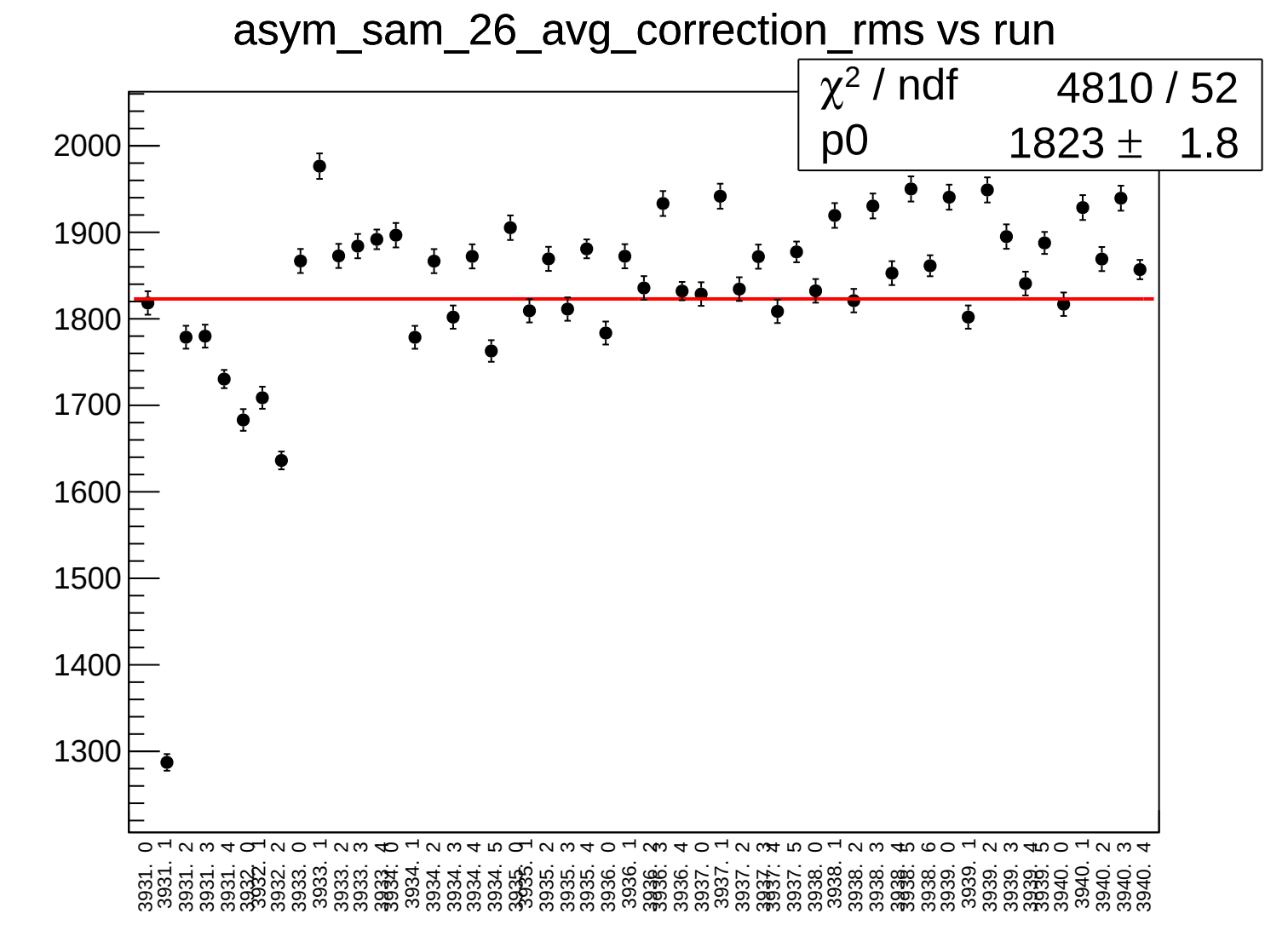

reg_asym_sam_26_avg_mean vs run
χ² / ndf 76.29 / 52
p0 379.2 ± 1728
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 43.01
Std Dev 48.4
2
1
0
−1
−2

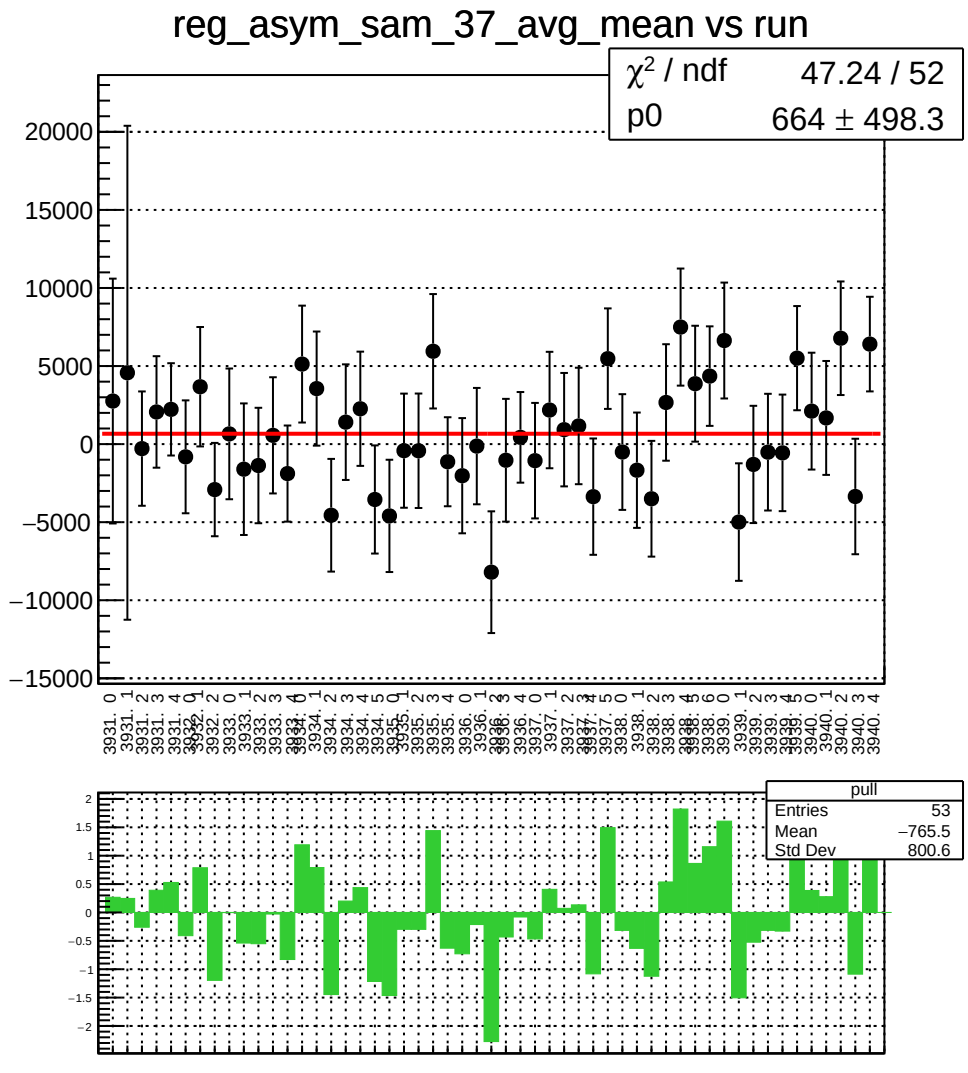

pull1D
Entries 53
Mean −0.02367
Std Dev 1.2
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

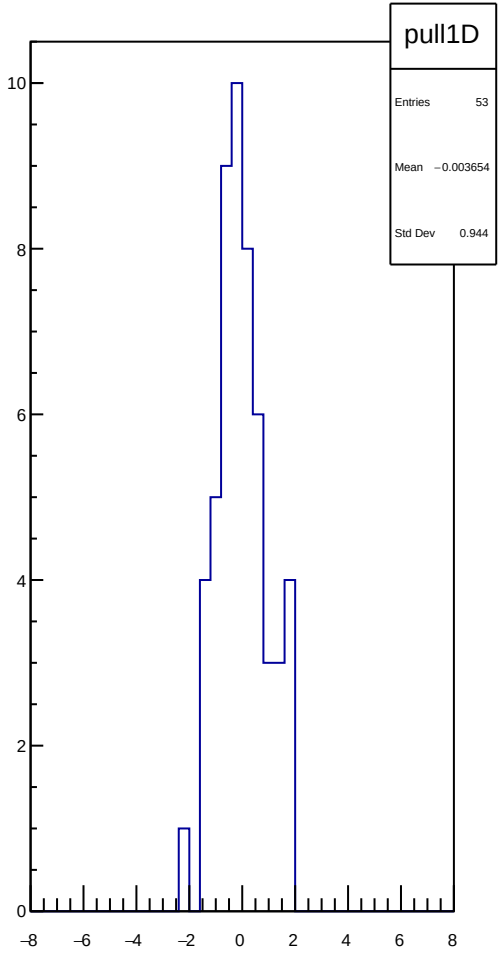

reg_asym_sam_26_avg_rms vs run
χ² / ndf 589.8 / 52
p0 1240 ± 1.222
1450
1400
1350
1300
1250
1200
1150
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

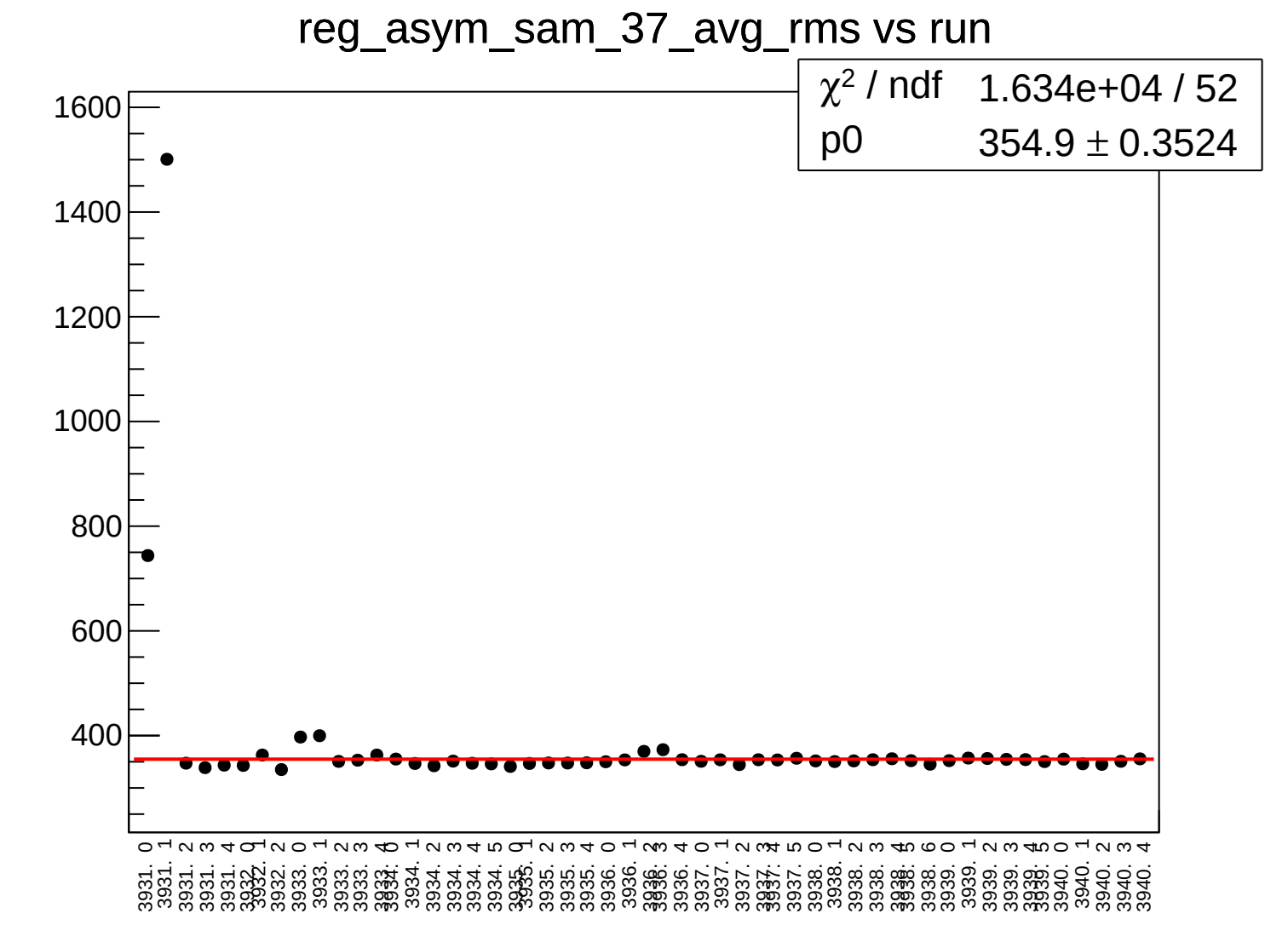

asym_sam_26_avg_correction_mean vs run
χ² / ndf 53.19 / 52
p0 3853 ± 2545
pull
Entries 53
Mean 115.6
Std Dev 73.9

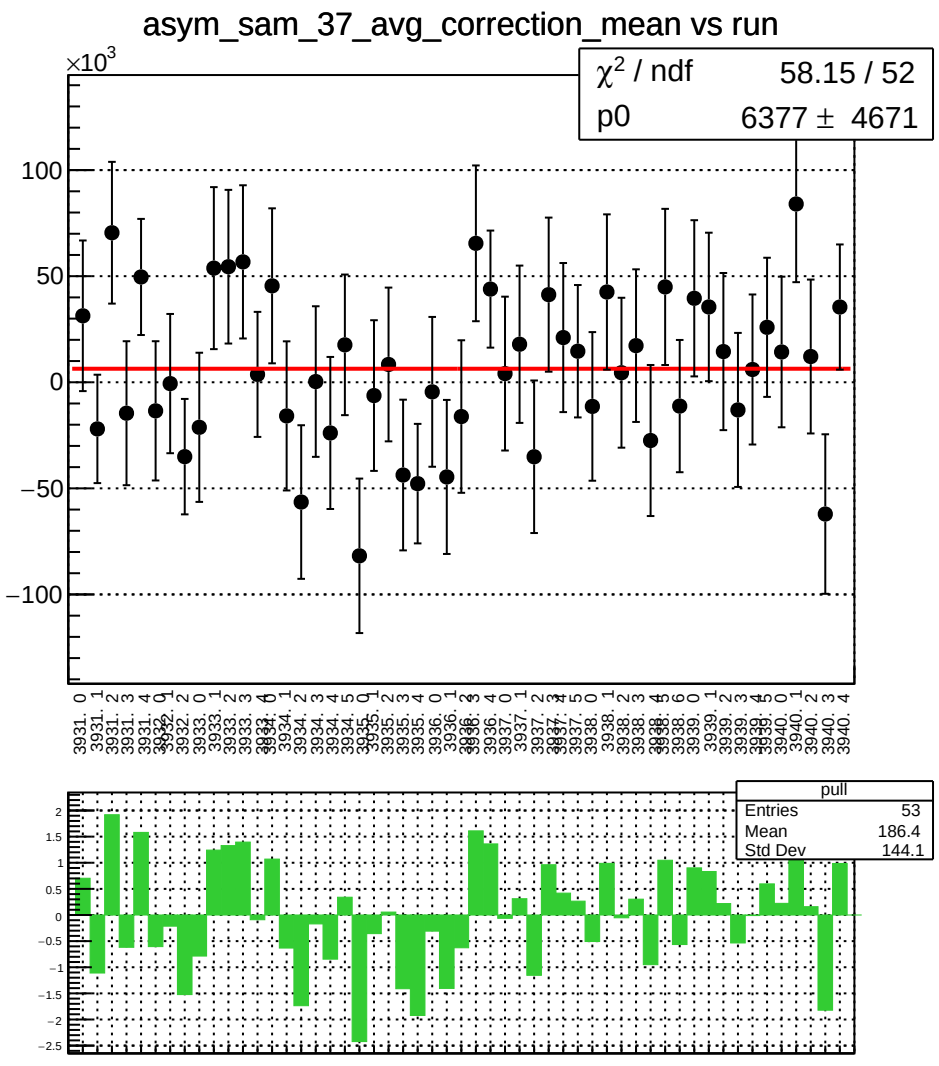

pull1D
Entries 53
Mean 0.01622
Std Dev 1.002

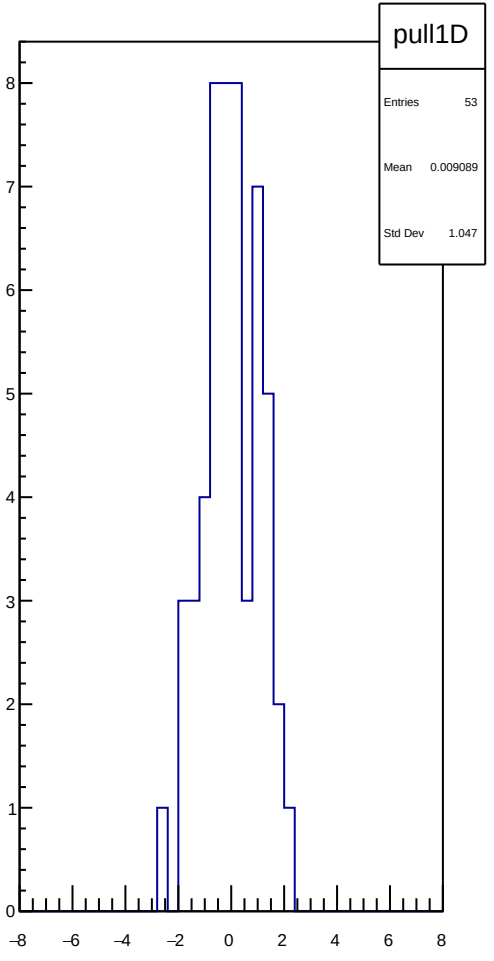

asym_sam_26_avg_correction_rms vs run
χ² / ndf 4810 / 52
p0 1823 ± 1.8
2000
1900
1800
1700
1600
1500
1400
1300
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

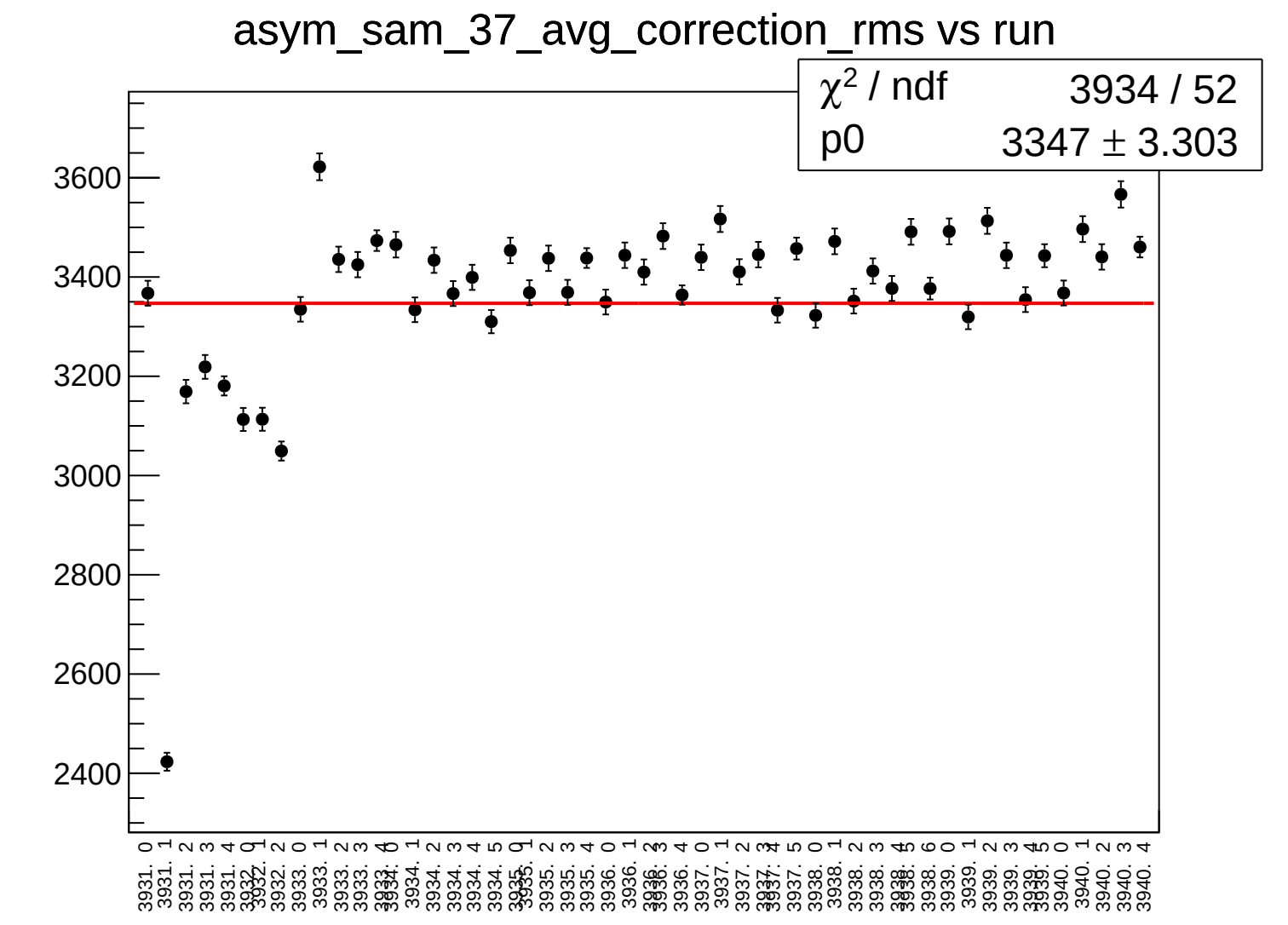

reg_asym_sam_37_avg_mean vs run
χ² / ndf 47.24 / 52
p0 664 ± 498.3
pull
Entries 53
Mean −765.5
Std Dev 800.6

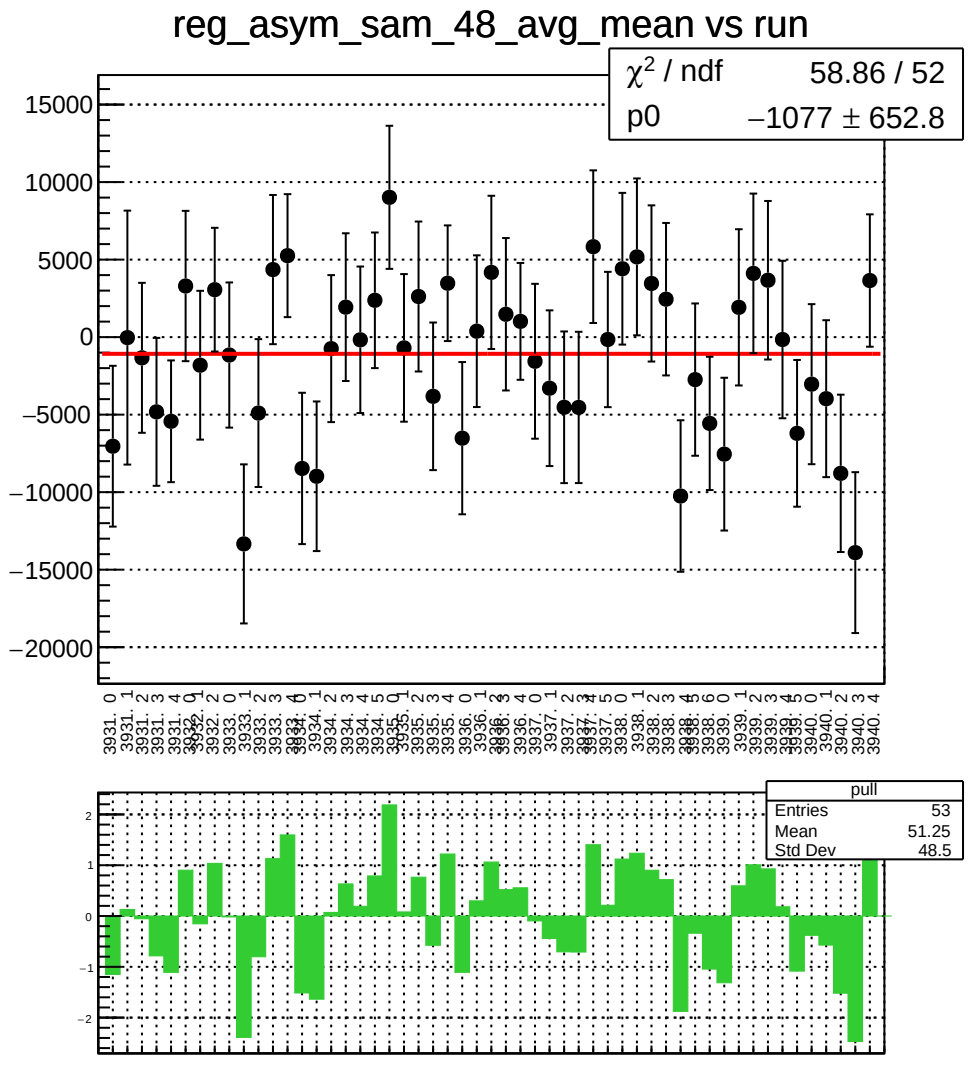

pull1D
Entries 53
Mean −0.003654
Std Dev 0.944

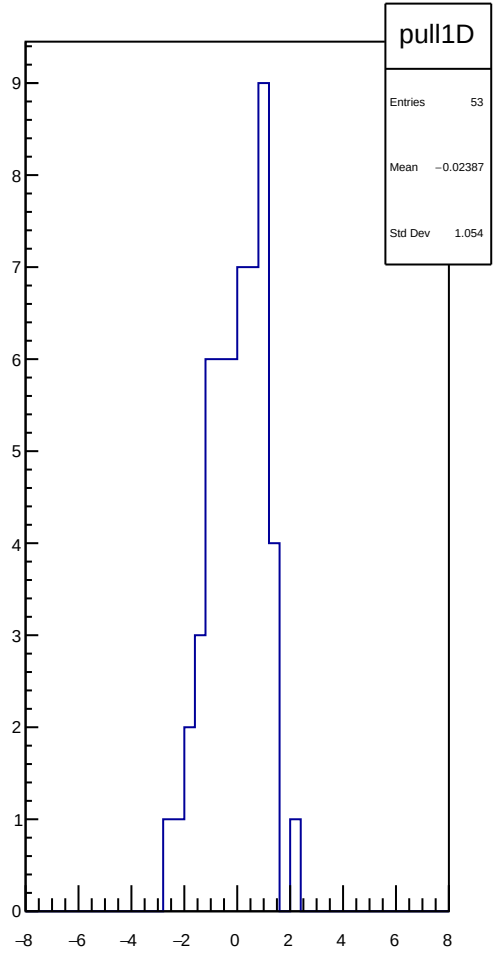

reg_asym_sam_37_avg_rms vs run
χ² / ndf 1.634e+04 / 52
p0 354.9 ± 0.3524
1600
1400
1200
1000
800
600
400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

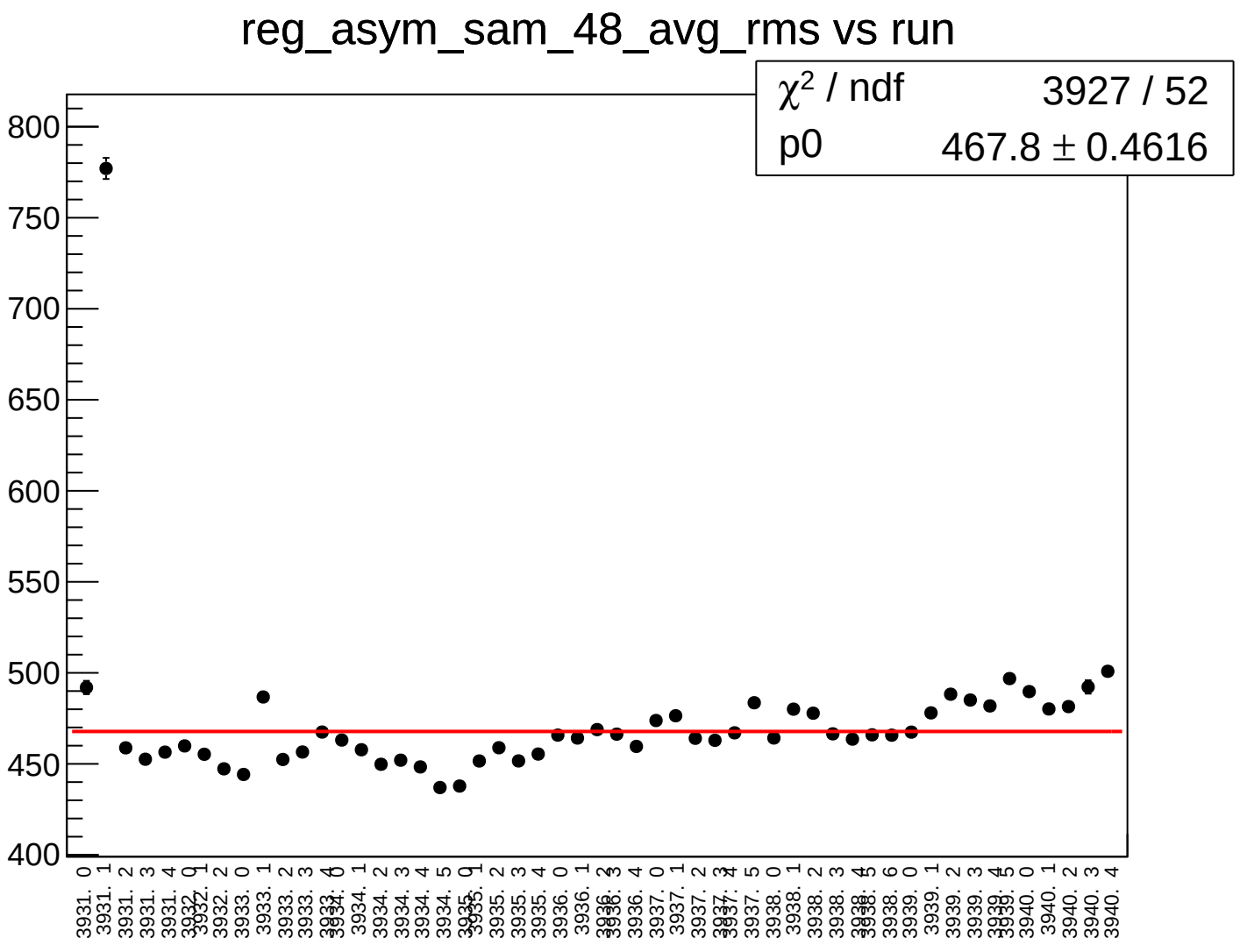

asym_sam_37_avg_correction_mean vs run
×10^3
χ^2 / ndf 58.15 / 52
p0 6377 ± 4671
100
50
0
−50
−100
pull
Entries 53
Mean 186.4
Std Dev 144.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

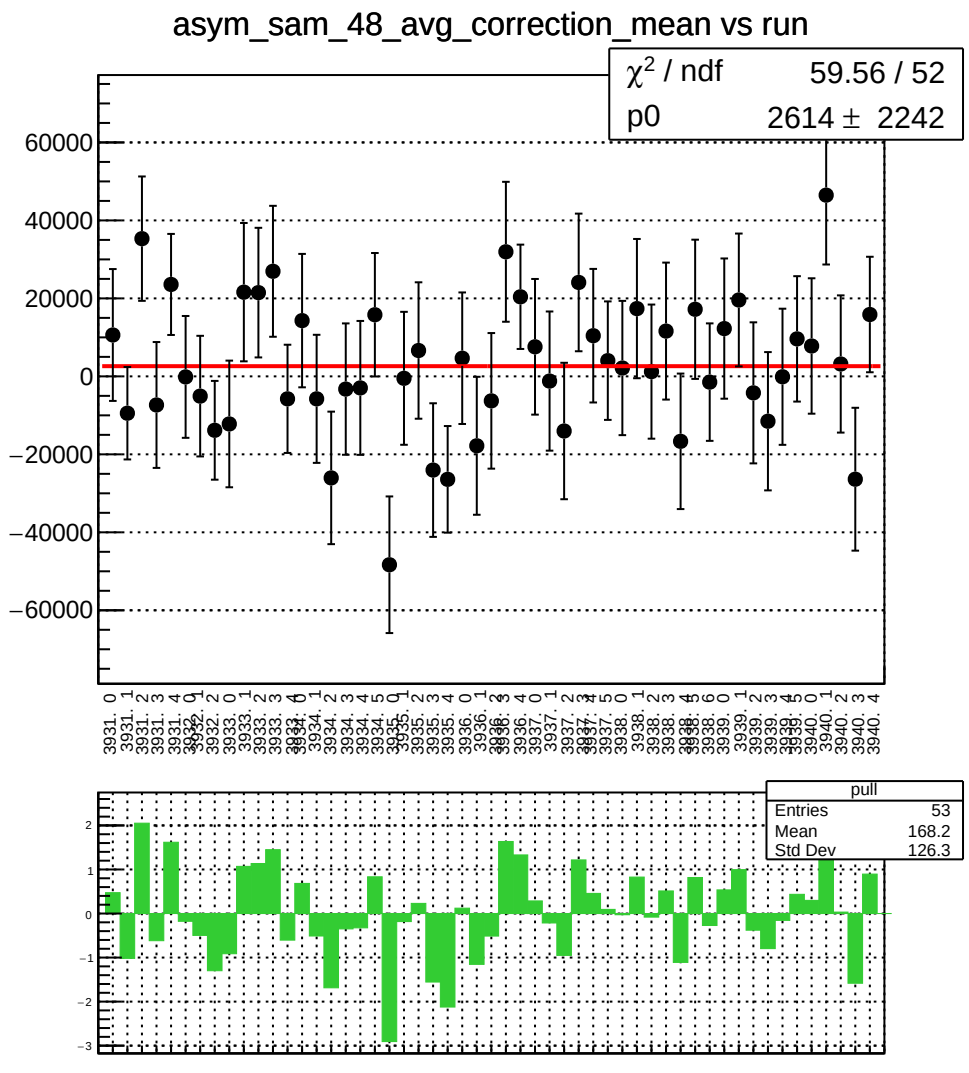

pull1D
Entries 53
Mean 0.009089
Std Dev 1.047
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

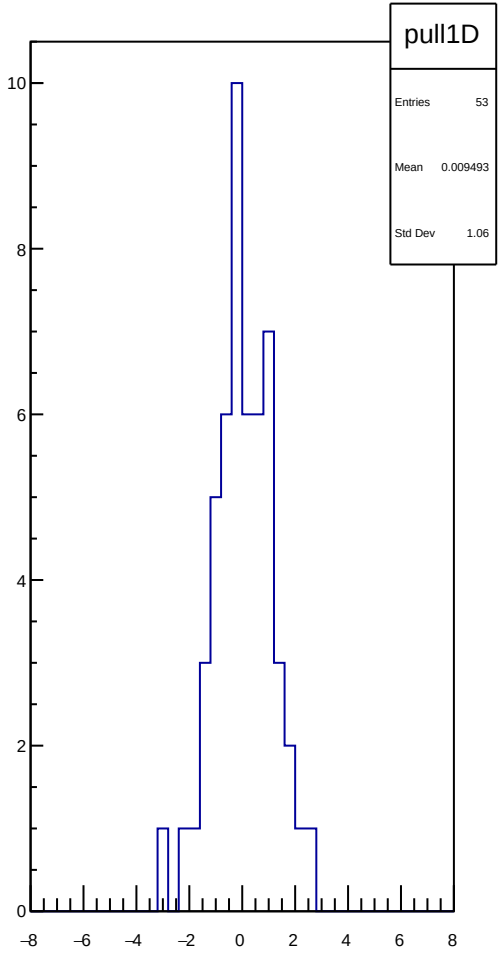

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3934 / 52
p0 3347 ± 3.303
3600
3400
3200
3000
2800
2600
2400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

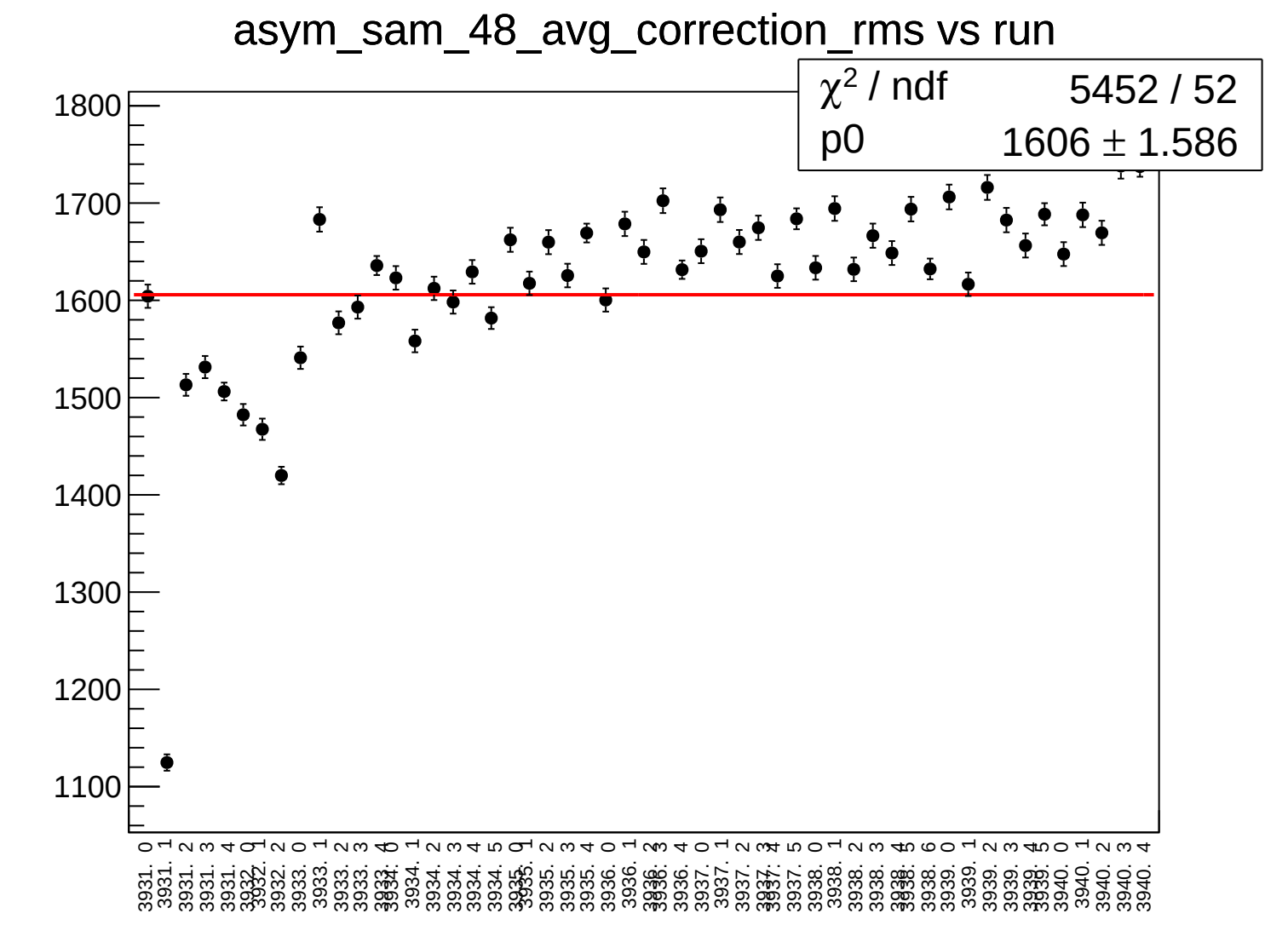

reg_asym_sam_48_avg_mean vs run
χ² / ndf 58.86 / 52
p0 −1077 ± 652.8
pull
Entries 53
Mean 51.25
Std Dev 48.5

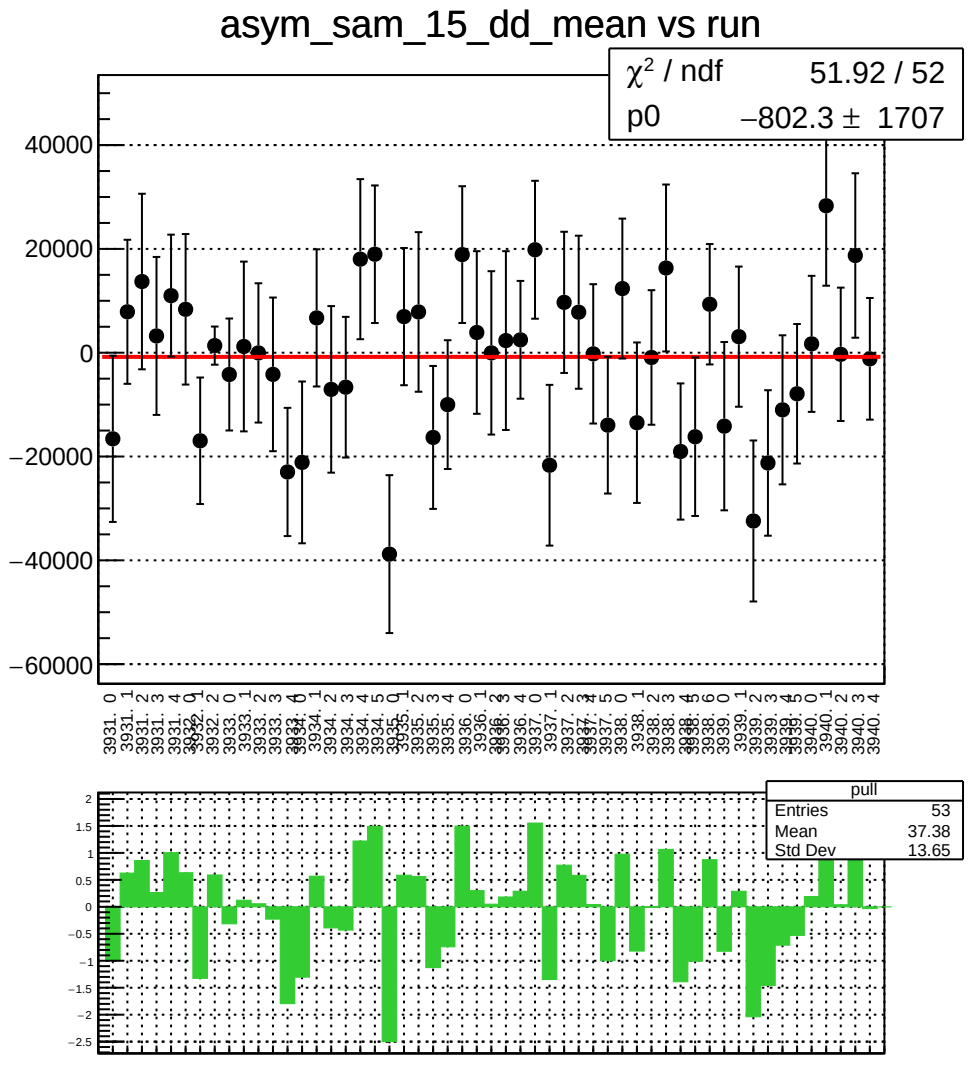

pull1D
Entries 53
Mean −0.02387
Std Dev 1.054

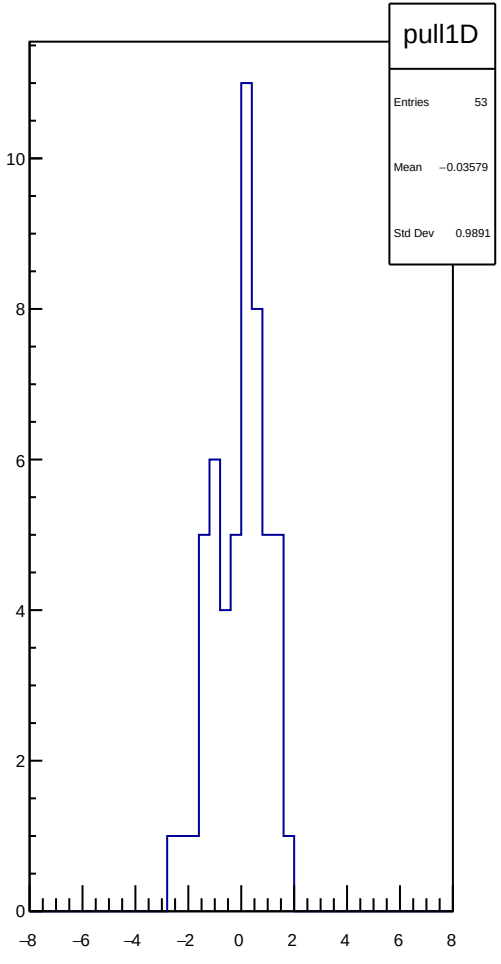

reg_asym_sam_48_avg_rms vs run
χ² / ndf 3927 / 52
p0 467.8 ± 0.4616
800
750
700
650
600
550
500
450
400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

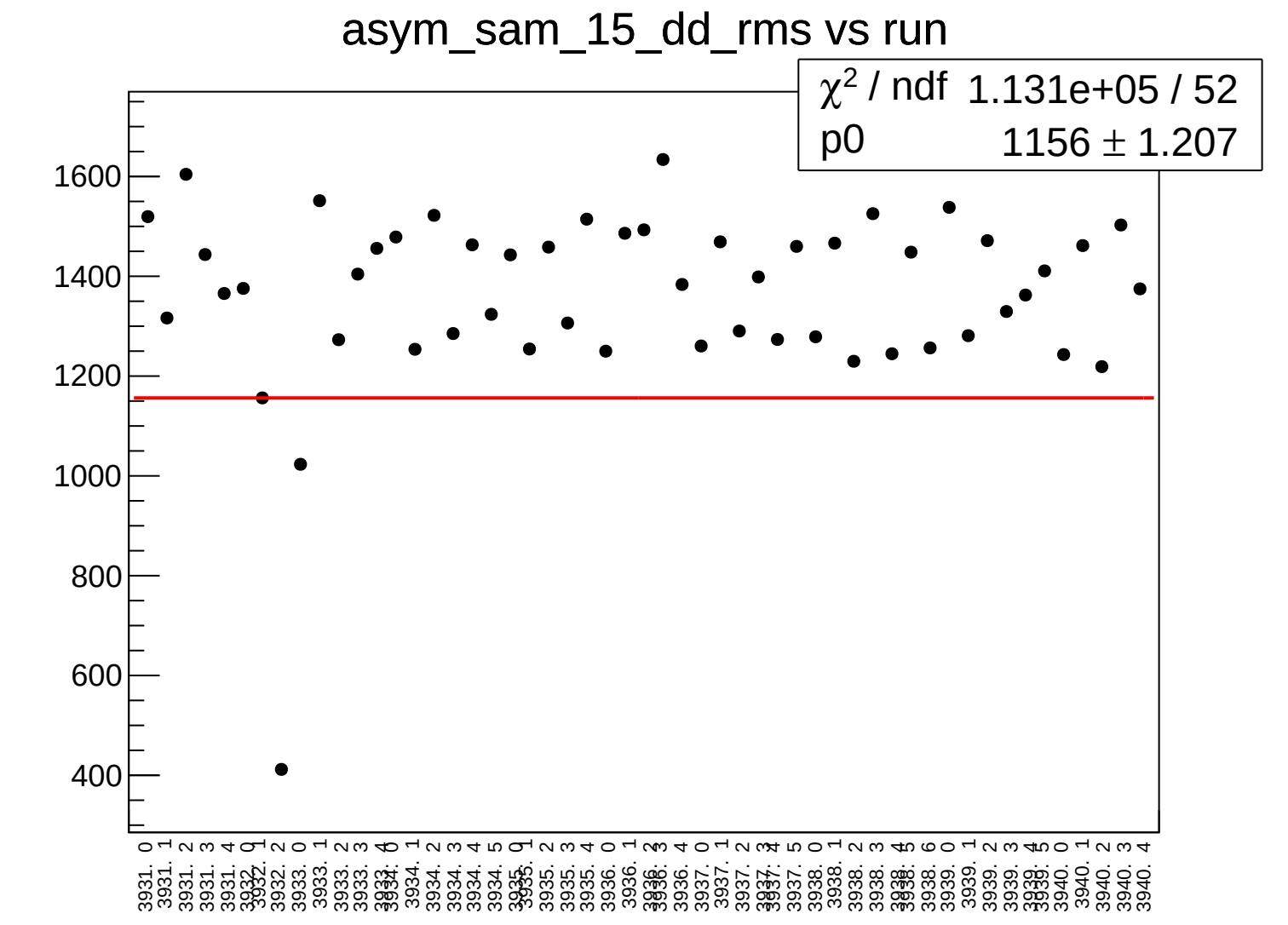

asym_sam_48_avg_correction_mean vs run
χ² / ndf 59.56 / 52
p0 2614 ± 2242
pull
Entries 53
Mean 168.2
Std Dev 126.3

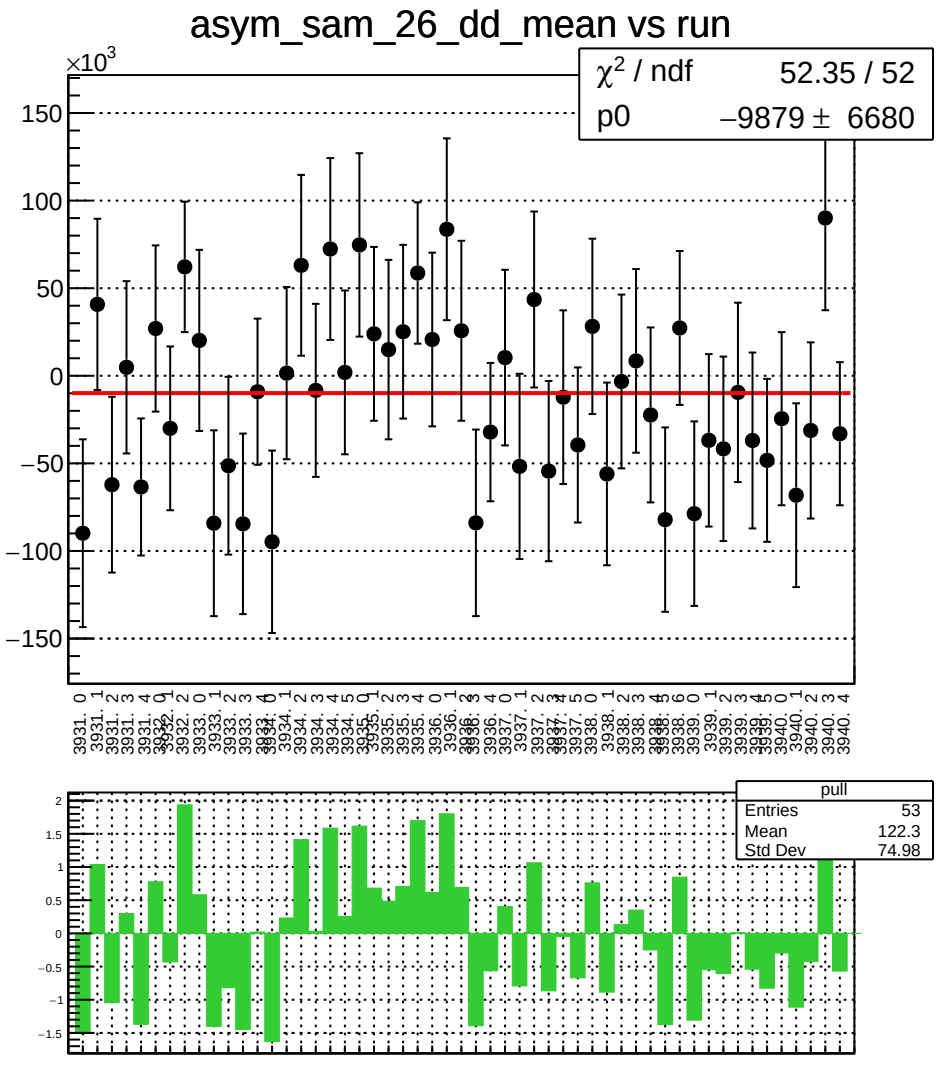

pull1D
Entries 53
Mean 0.009493
Std Dev 1.06

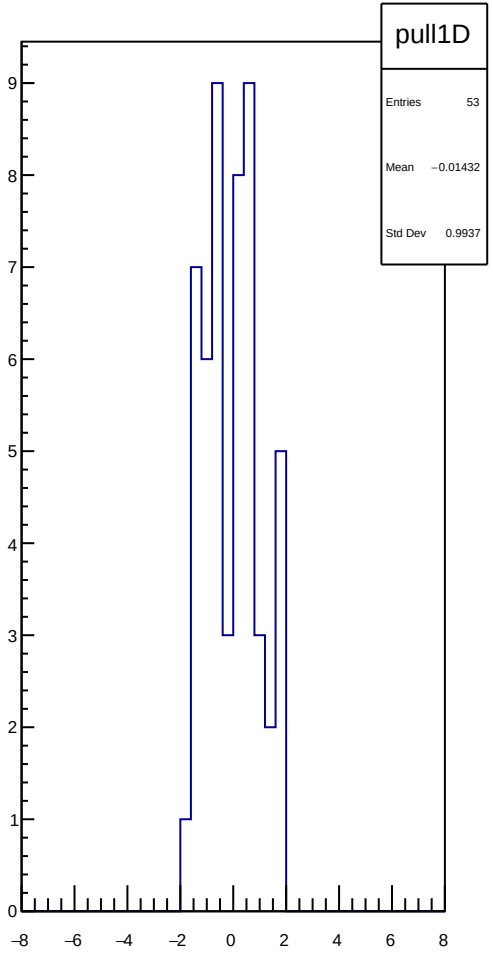

asym_sam_48_avg_correction_rms vs run
χ² / ndf 5452 / 52
p0 1606 ± 1.586
1800
1700
1600
1500
1400
1300
1200
1100
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

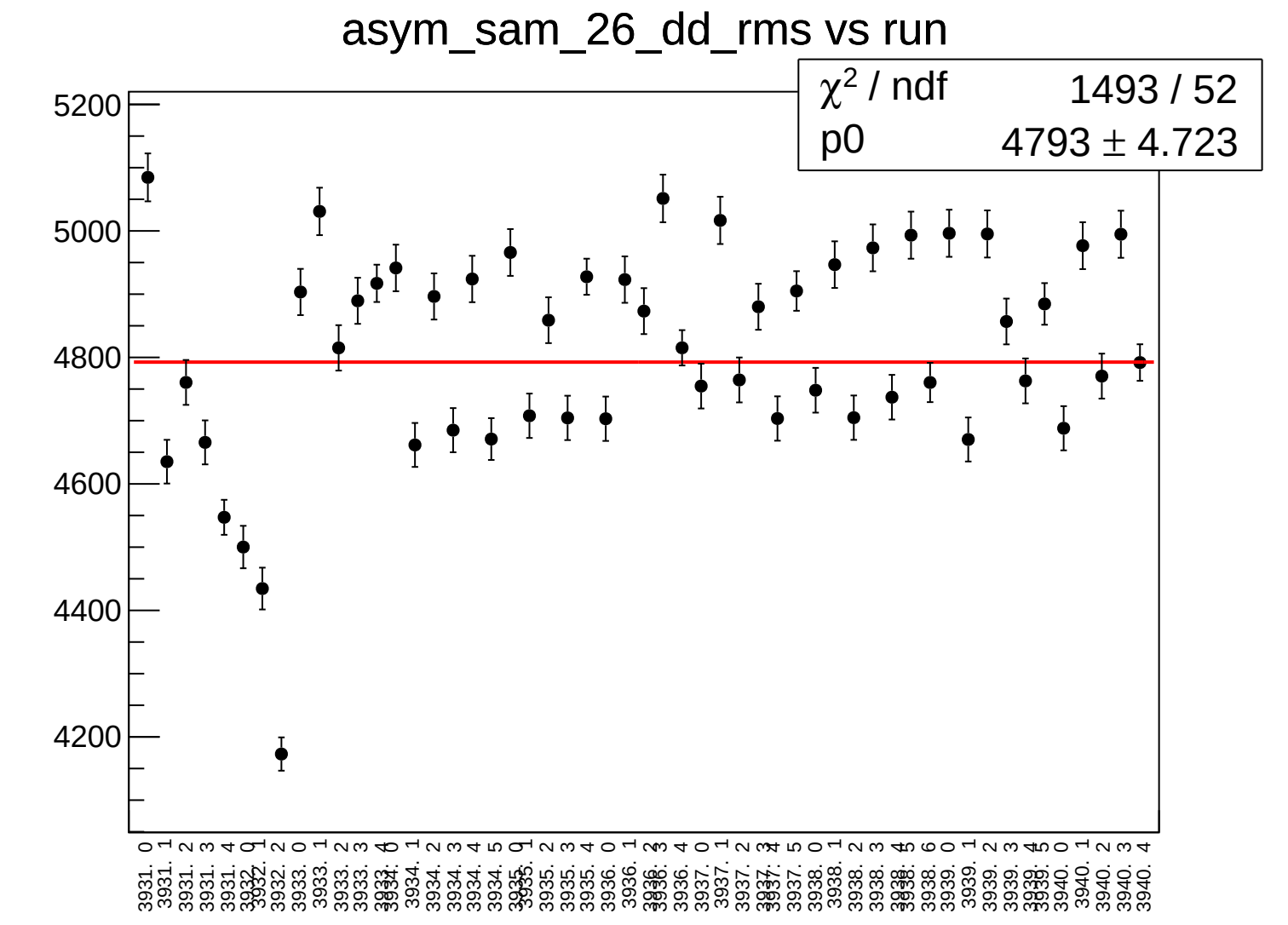

asym_sam_15_dd_mean vs run
χ² / ndf 51.92 / 52
p0 −802.3 ± 1707
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 37.38
Std Dev 13.65
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

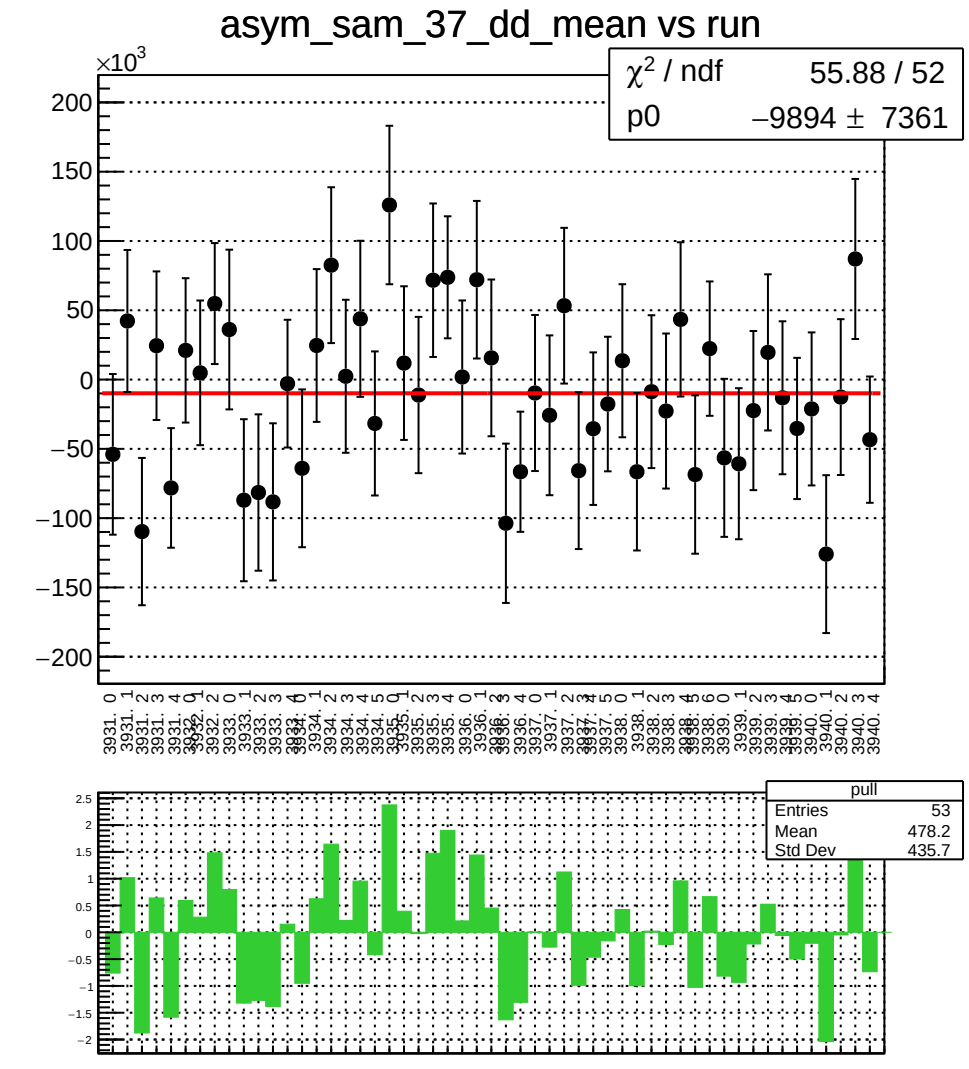

pull1D
Entries 53
Mean −0.03579
Std Dev 0.9891
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

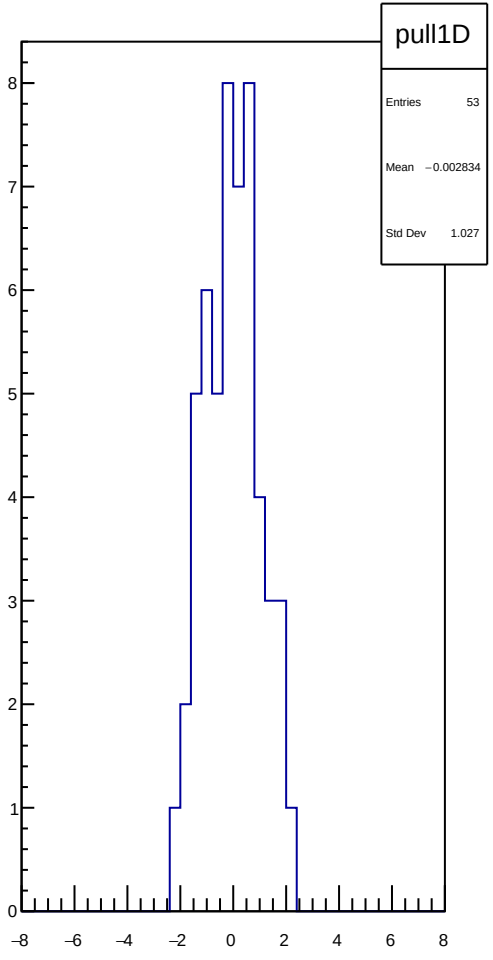

asym_sam_15_dd_rms vs run
χ² / ndf 1.131e+05 / 52
p0 1156 ± 1.207
1600
1400
1200
1000
800
600
400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

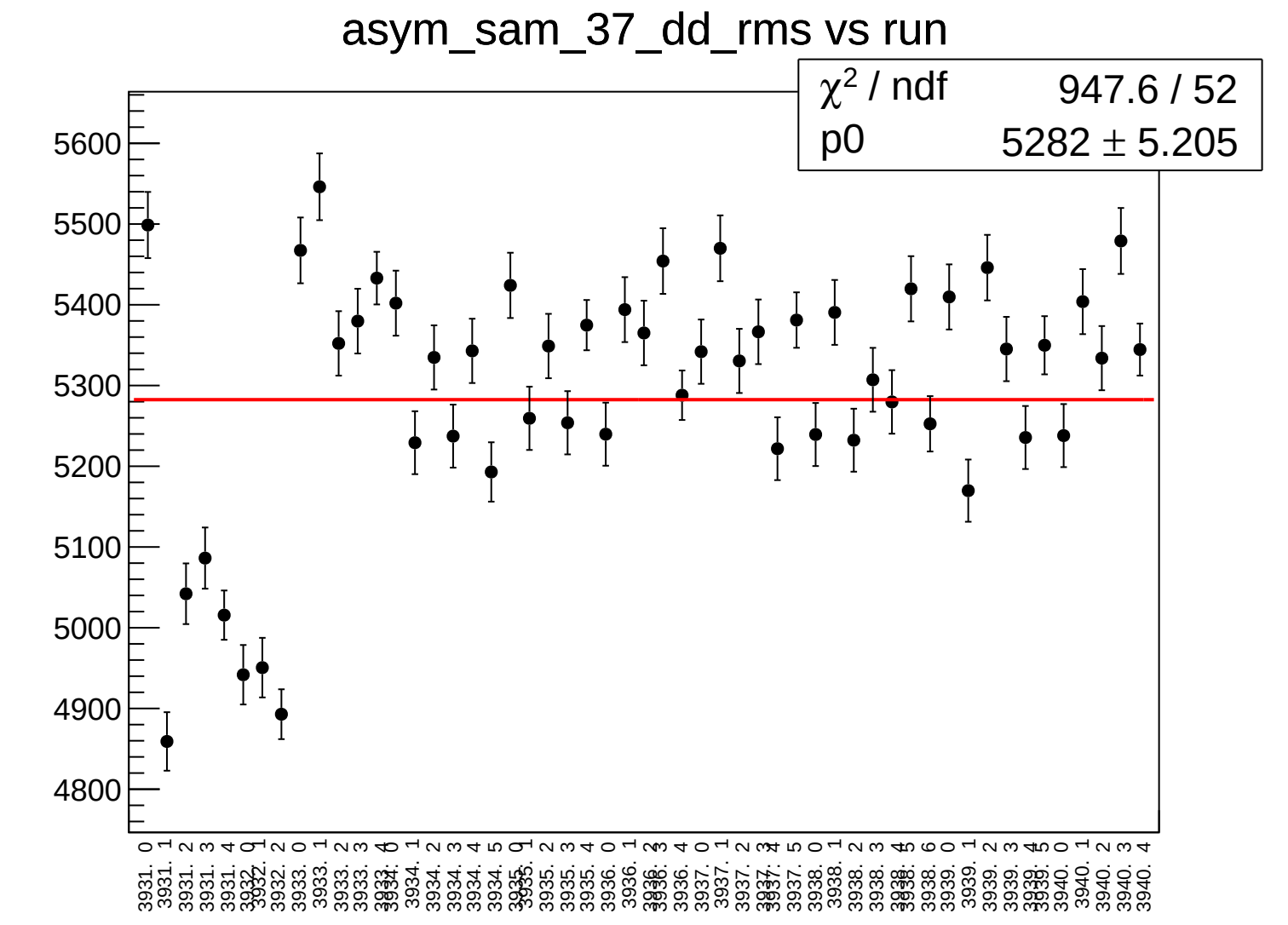

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 52.35 / 52
p0 −9879 ± 6680
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean 122.3
Std Dev 74.98
2
1.5
1
0.5
0
−0.5
−1
−1.5

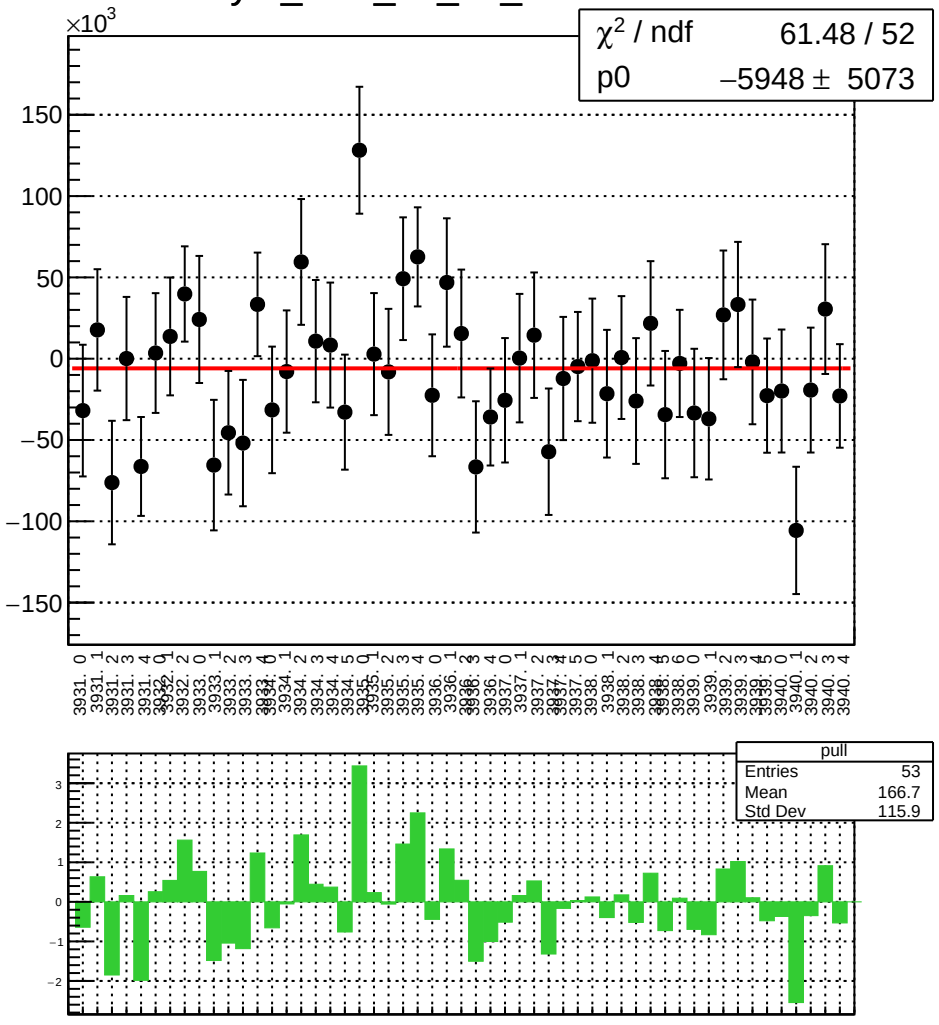

pull1D
Entries 53
Mean −0.01432
Std Dev 0.9937
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

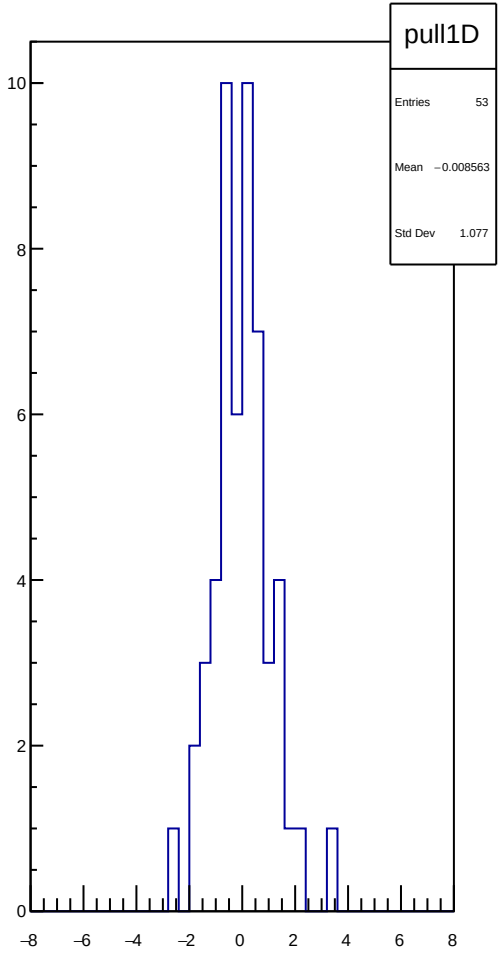

asym_sam_26_dd_rms vs run
χ² / ndf 1493 / 52
p0 4793 ± 4.723
5200
5000
4800
4600
4400
4200

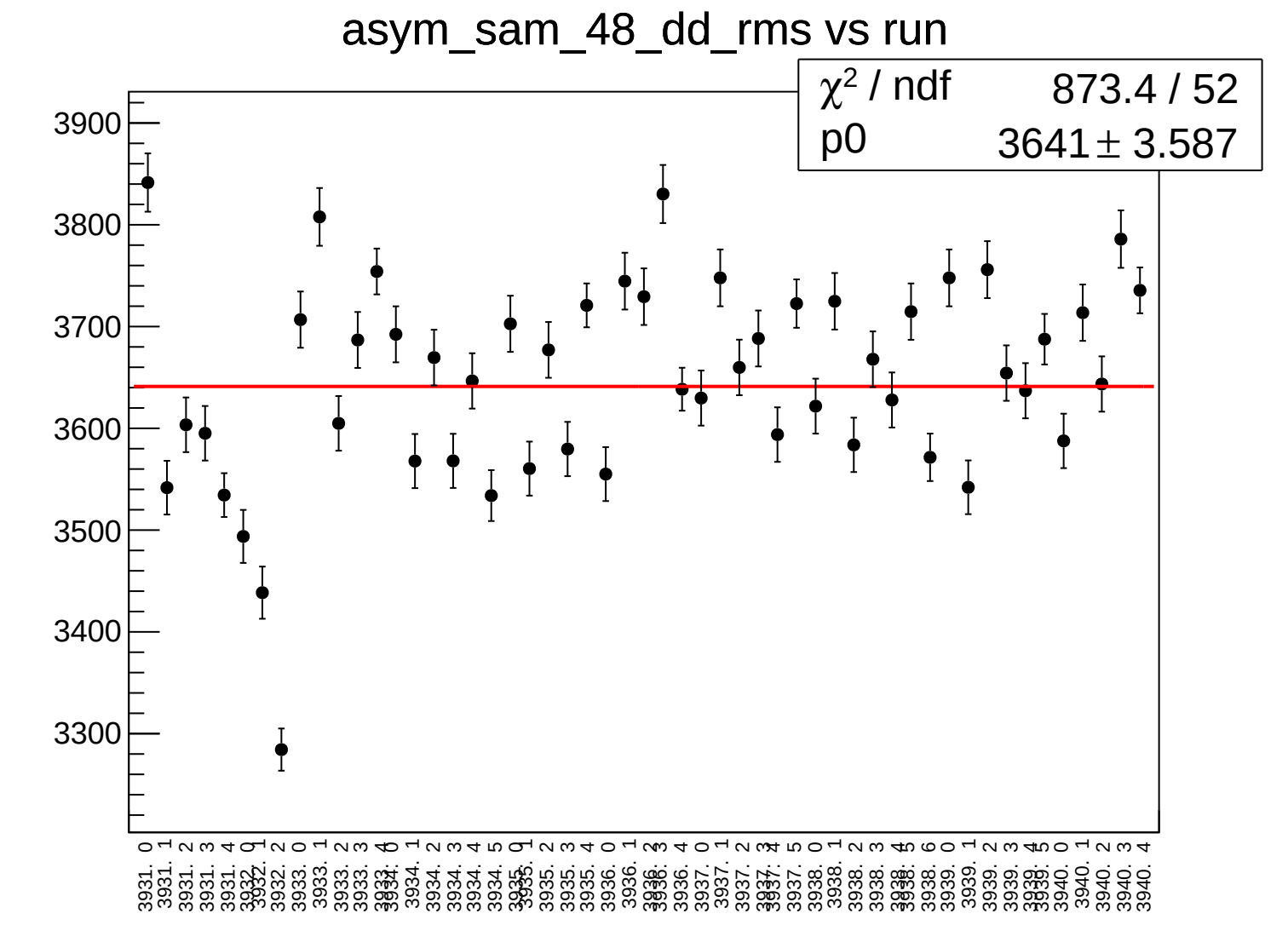

asym_sam_37_dd_mean vs run
χ² / ndf 55.88 / 52
p0 −9894 ± 7361
pull
Entries 53
Mean 478.2
Std Dev 435.7


pull1D
Entries 53
Mean −0.002834
Std Dev 1.027


asym_sam_37_dd_rms vs run
χ² / ndf 947.6 / 52
p0 5282 ± 5.205
5600
5500
5400
5300
5200
5100
5000
4900
4800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 61.48 / 52
p0 −5948 ± 5073
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean 166.7
Std Dev 115.9
3
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.008563
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_rms vs run
χ² / ndf 873.4 / 52
p0 3641 ± 3.587
3900
3800
3700
3600
3500
3400
3300
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
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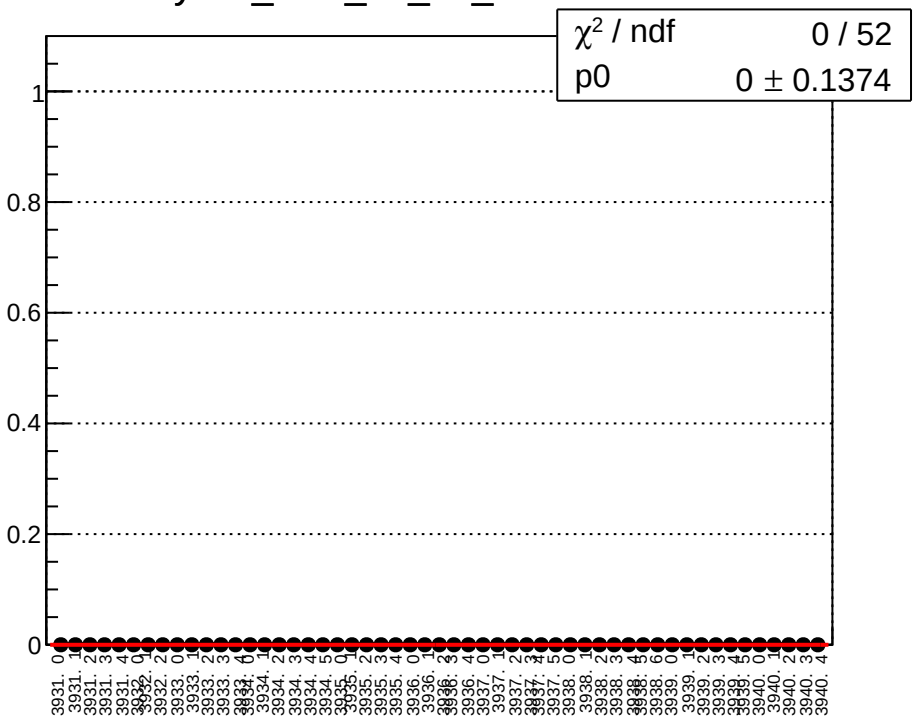
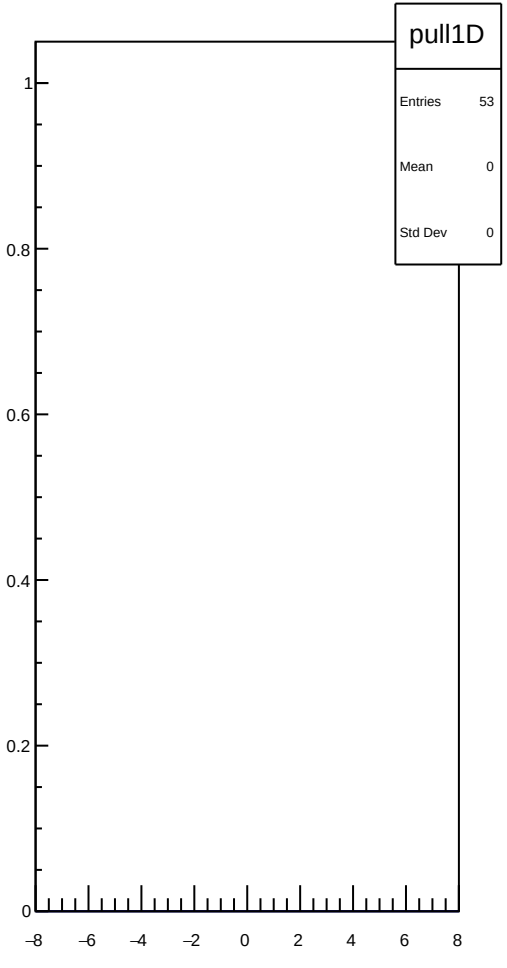
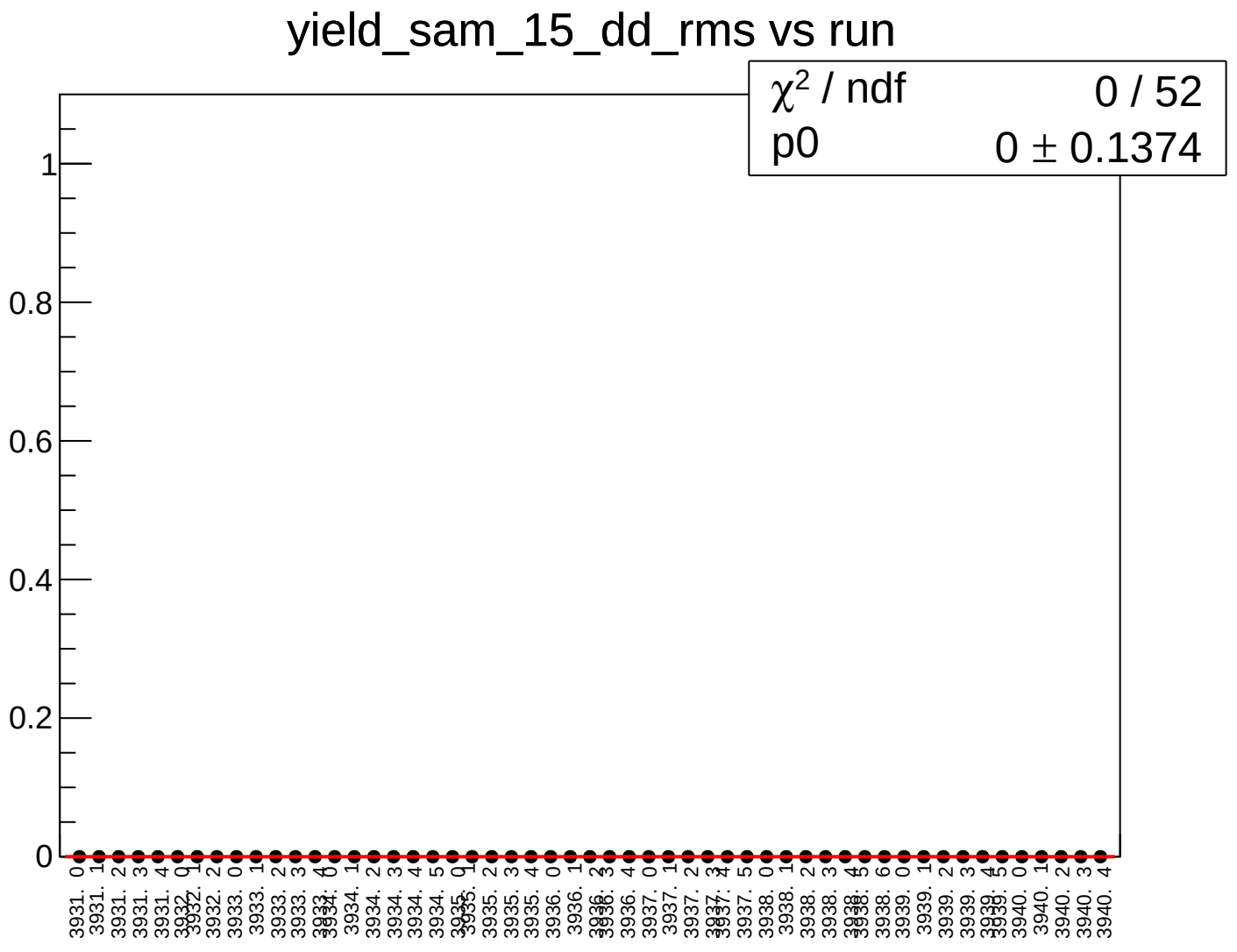
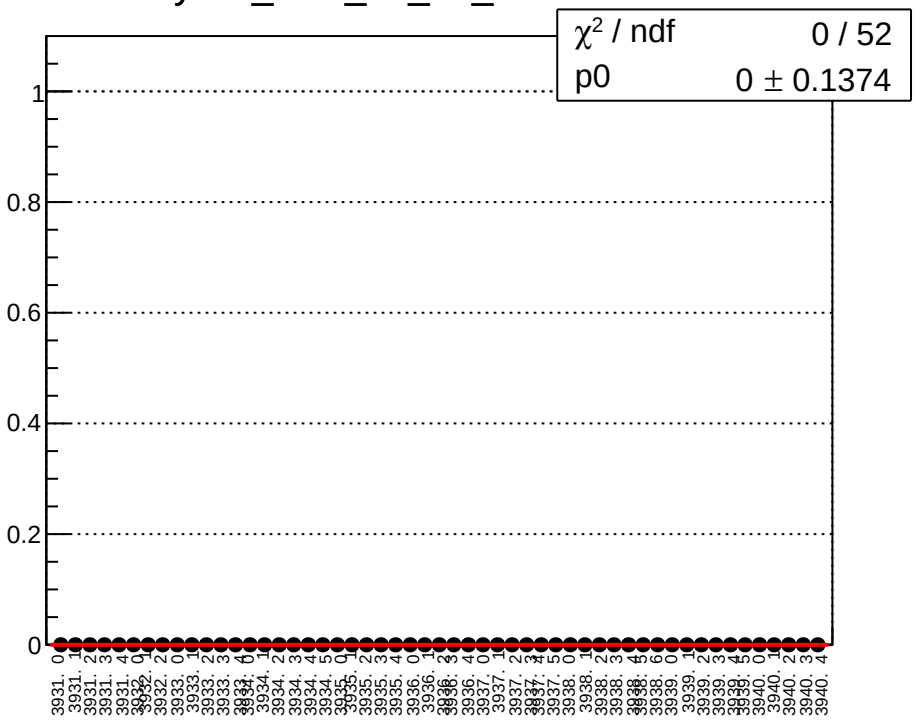
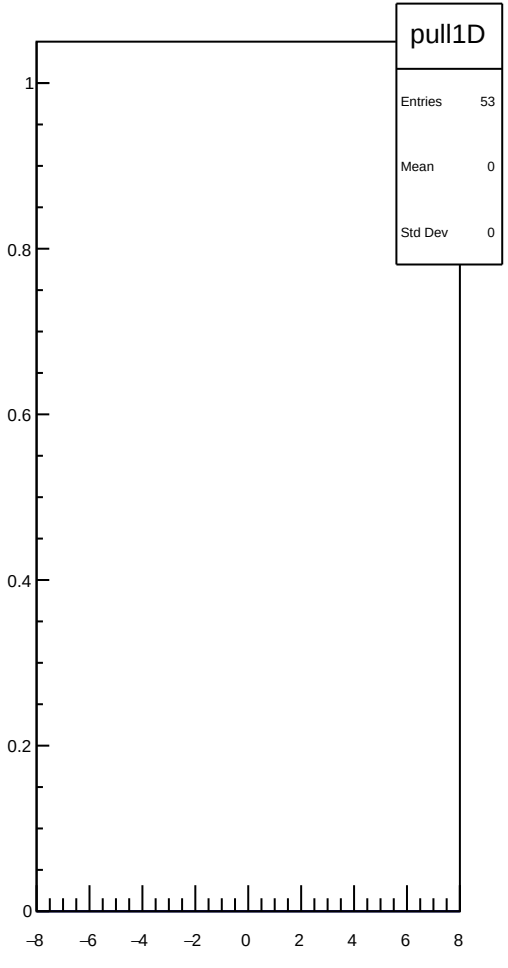
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

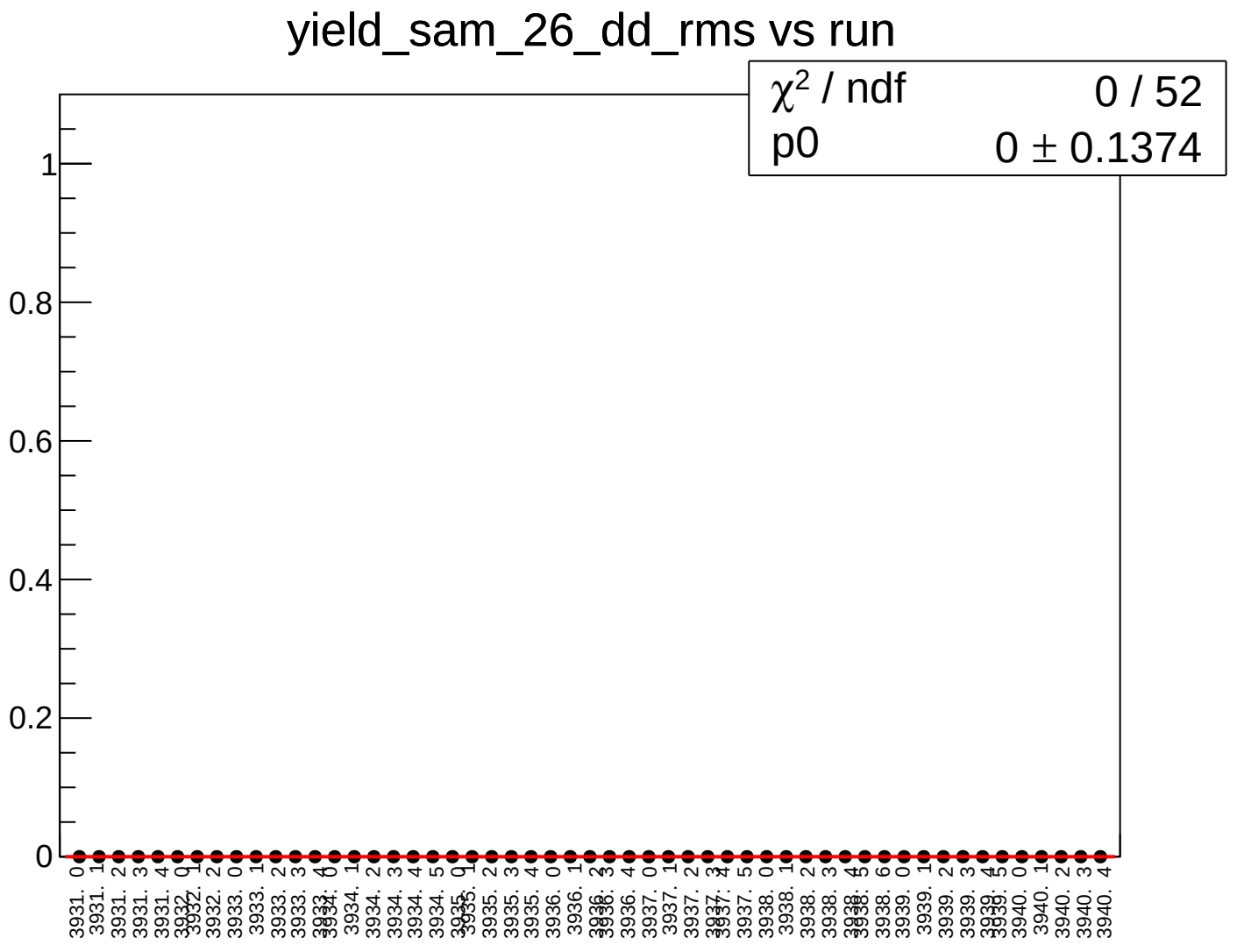

yield_sam_15_dd_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

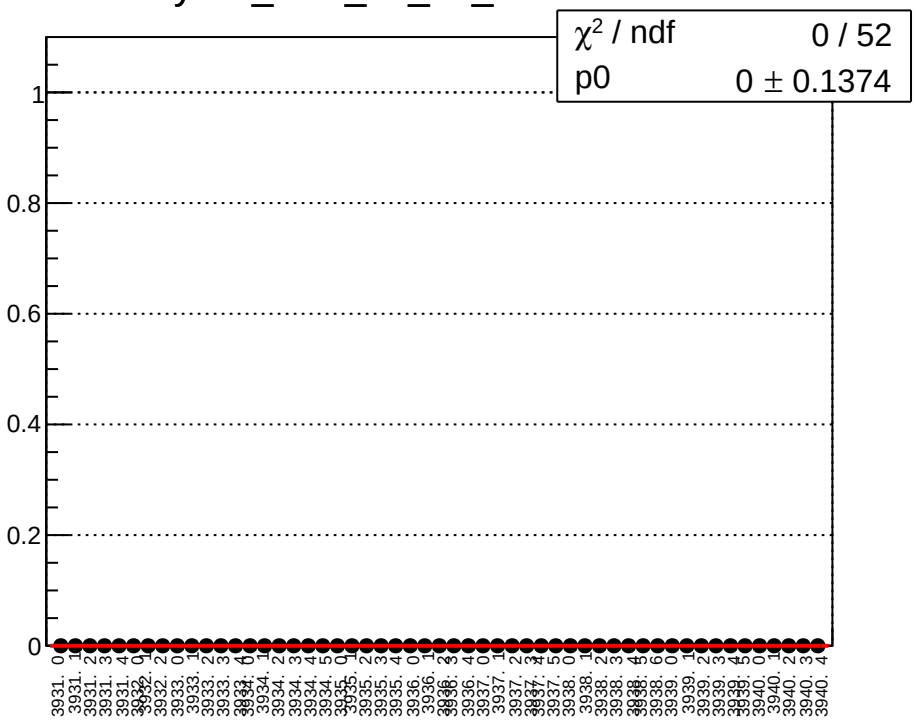

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

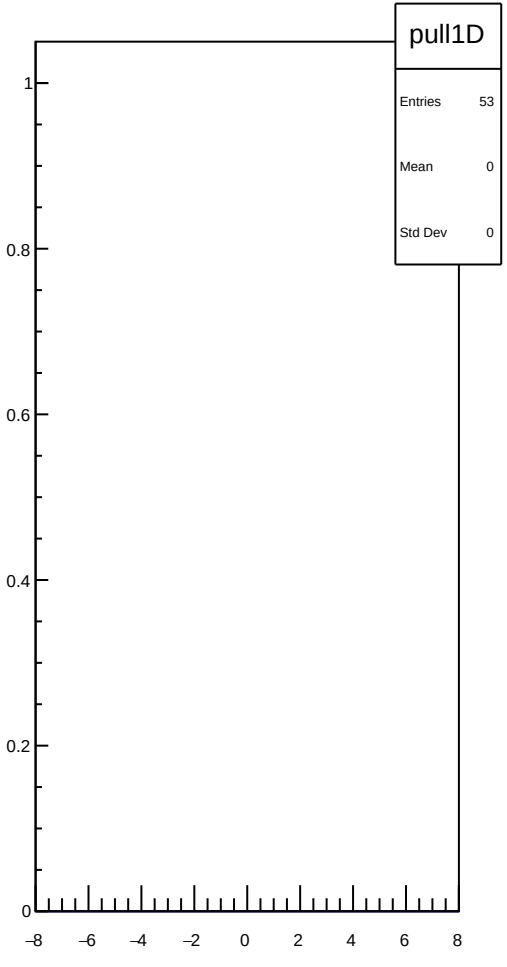

yield_sam_15_dd_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

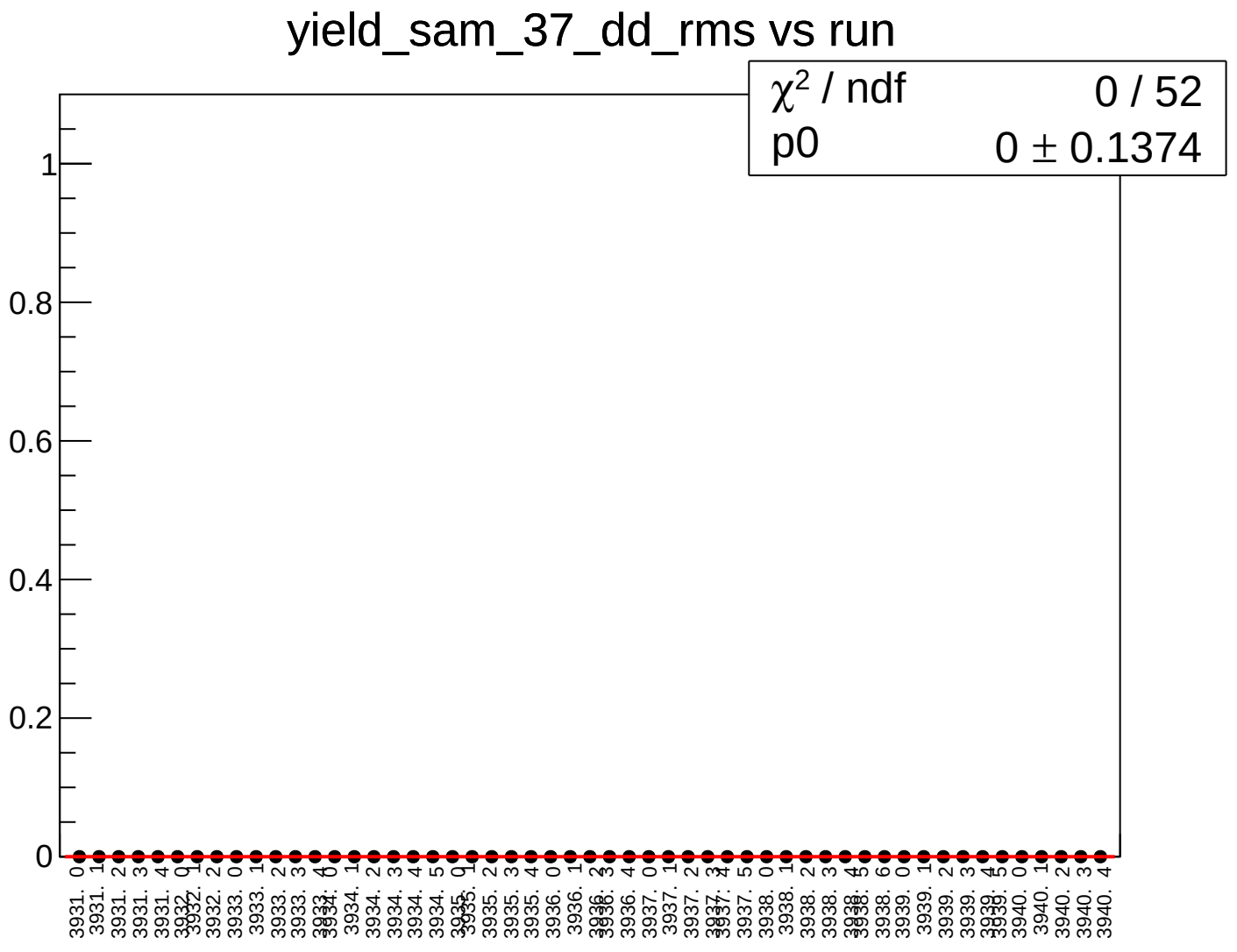

yield_sam_26_dd_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

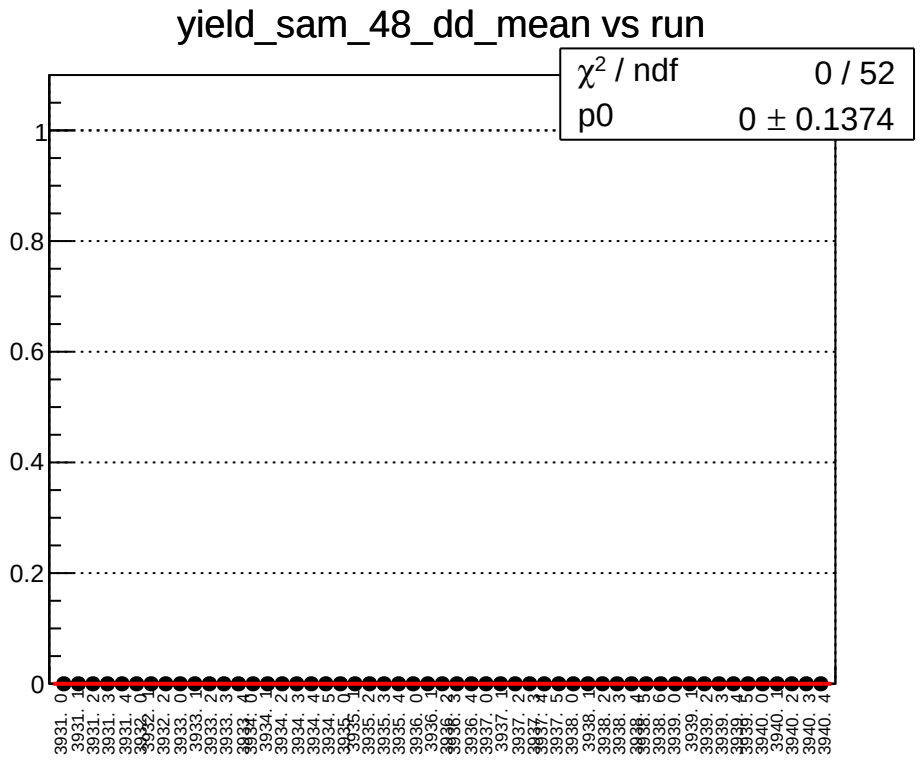

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

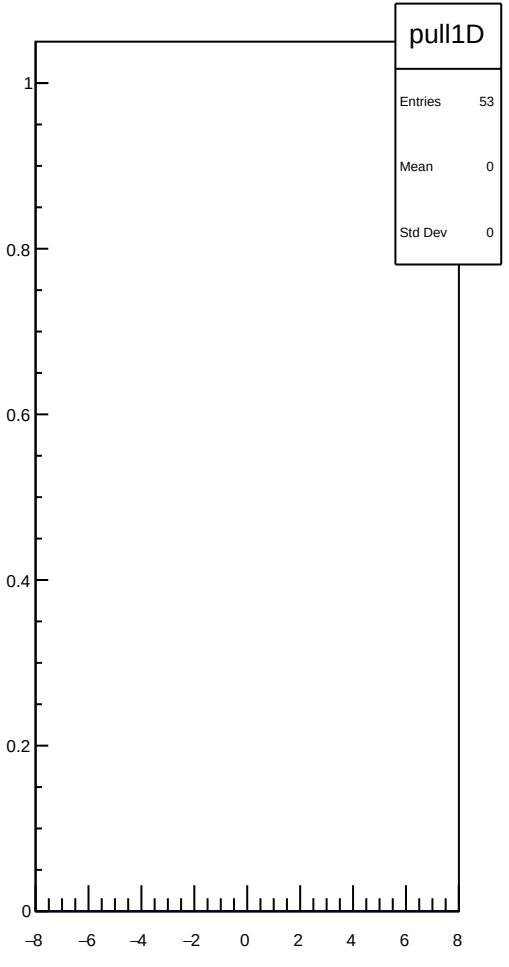

yield_sam_26_dd_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

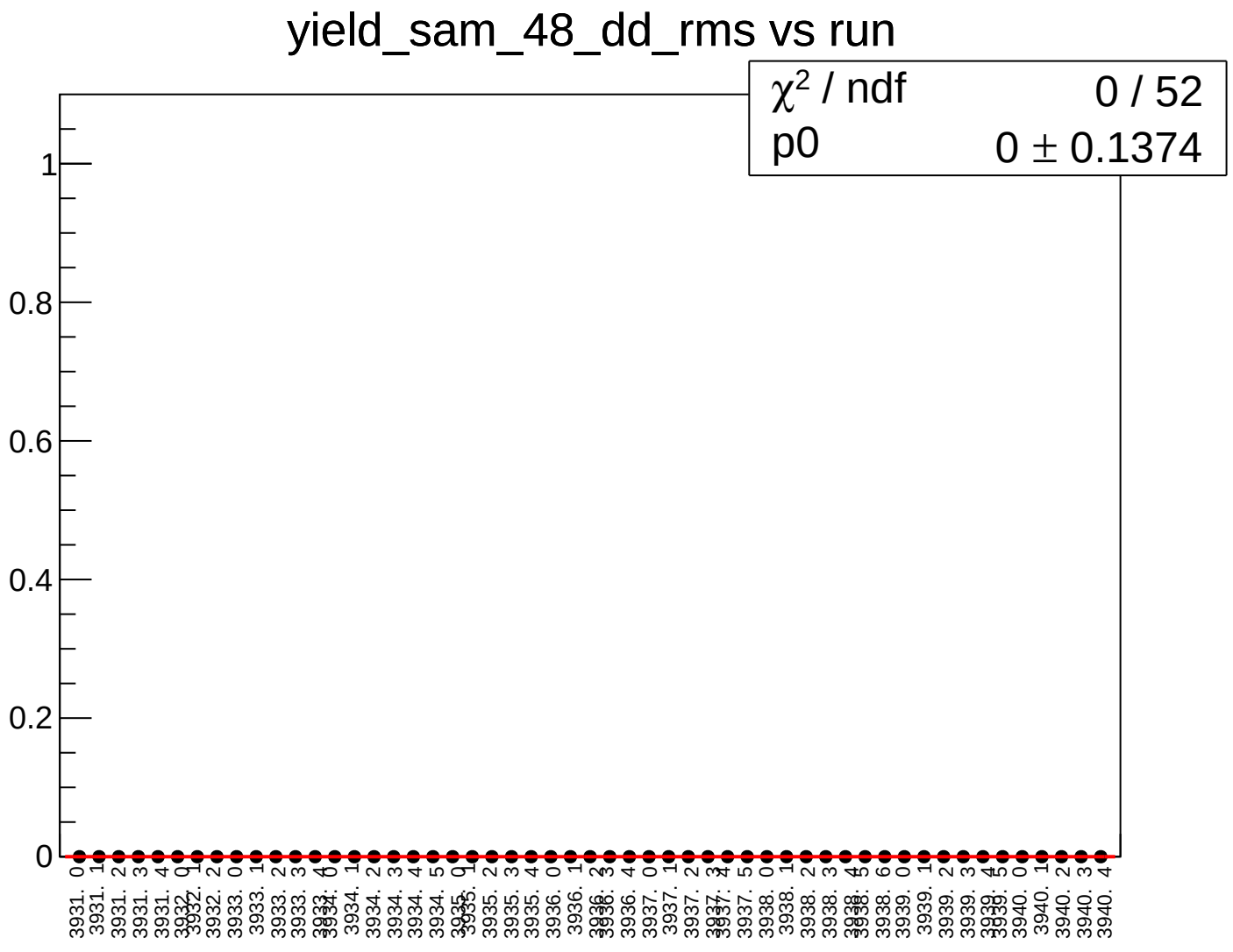

yield_sam_37_dd_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

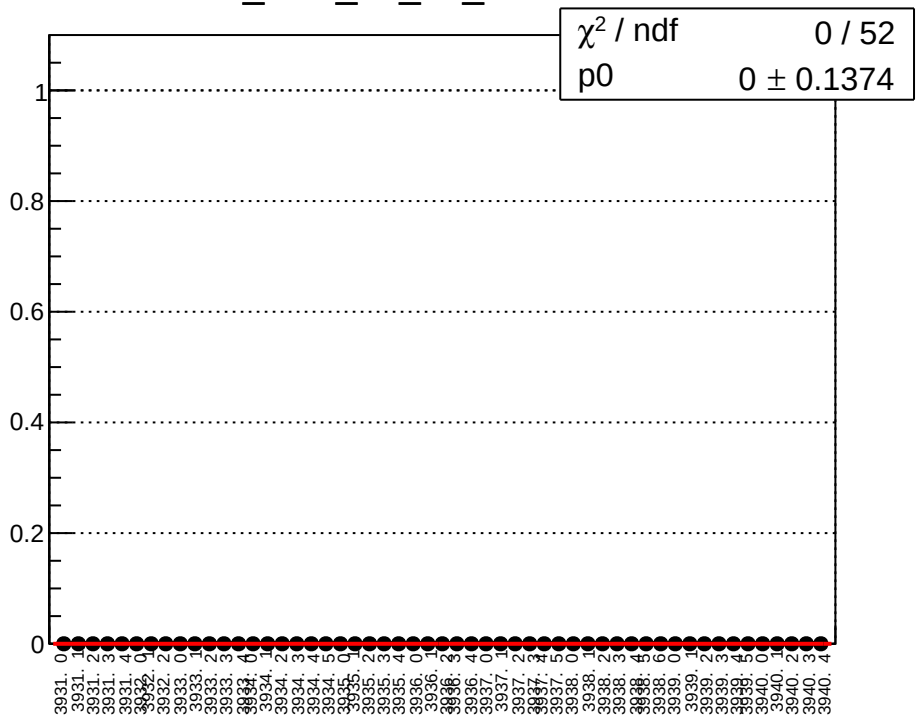

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

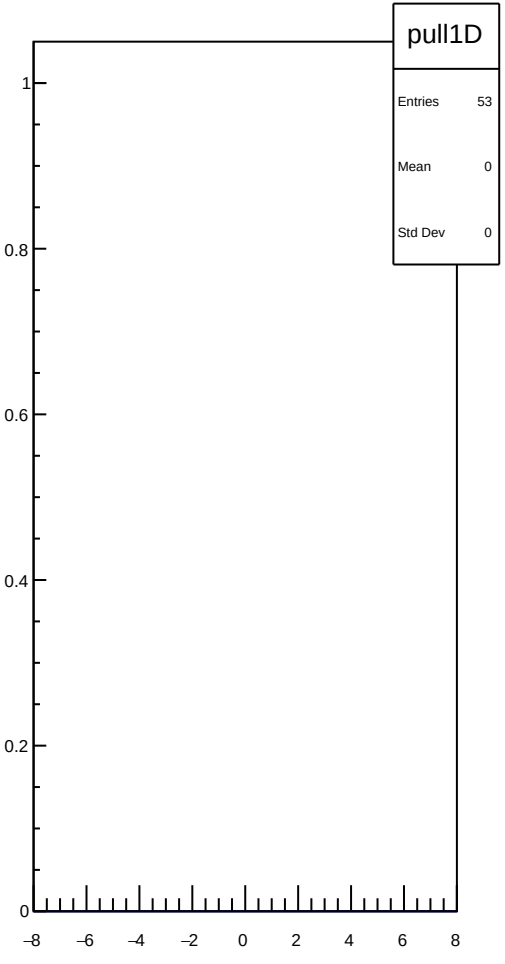

yield_sam_37_dd_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

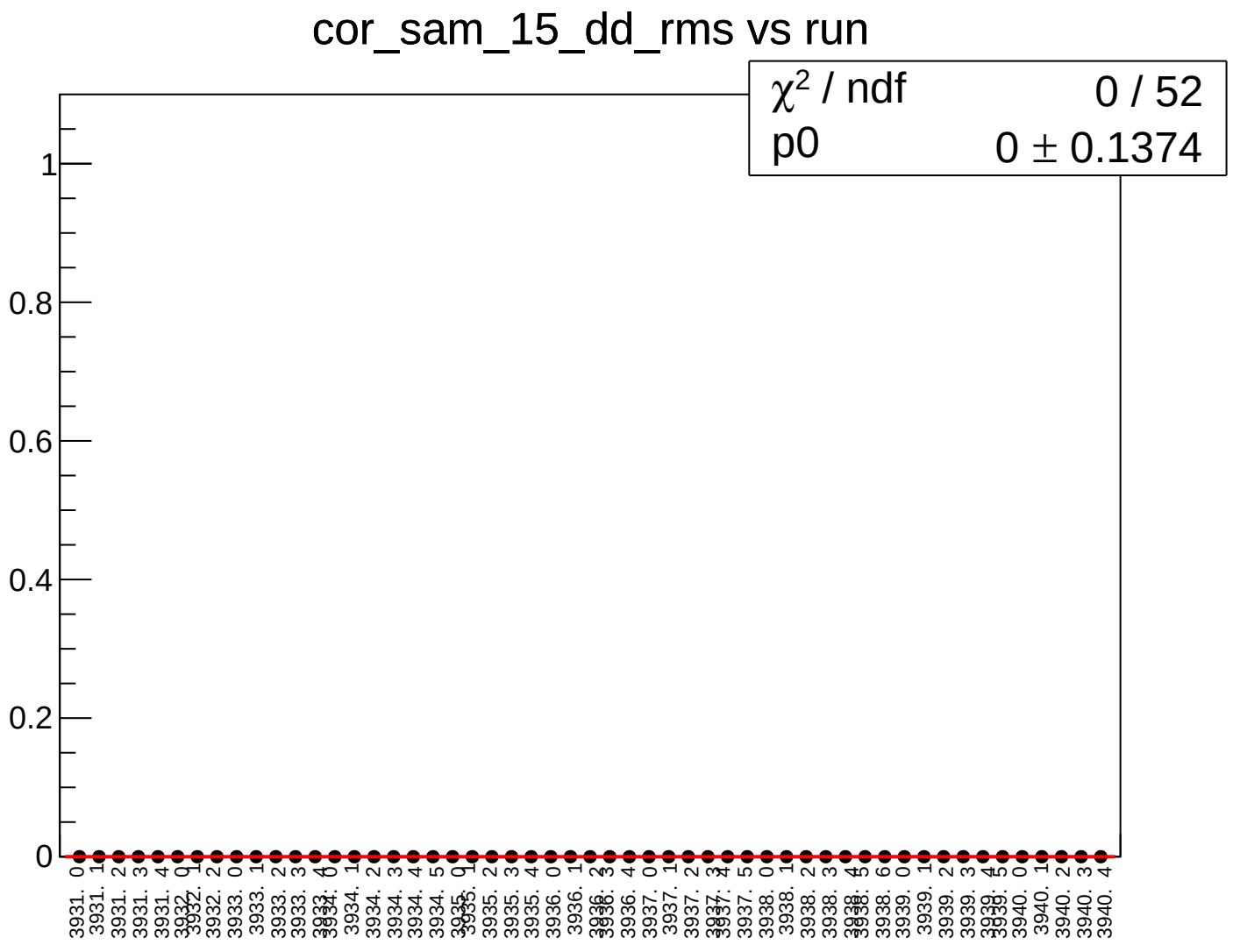

yield_sam_48_dd_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

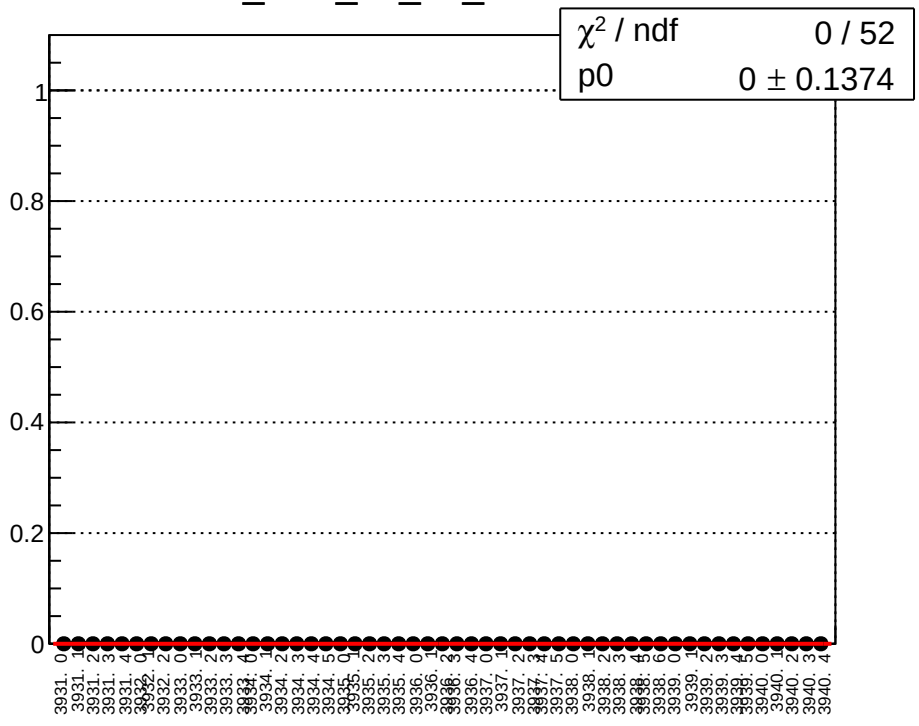

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

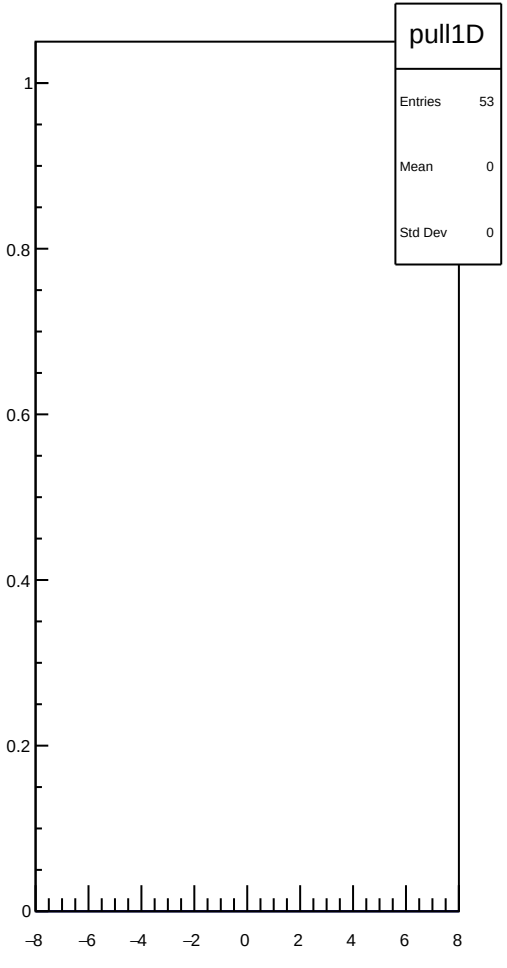

yield_sam_48_dd_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

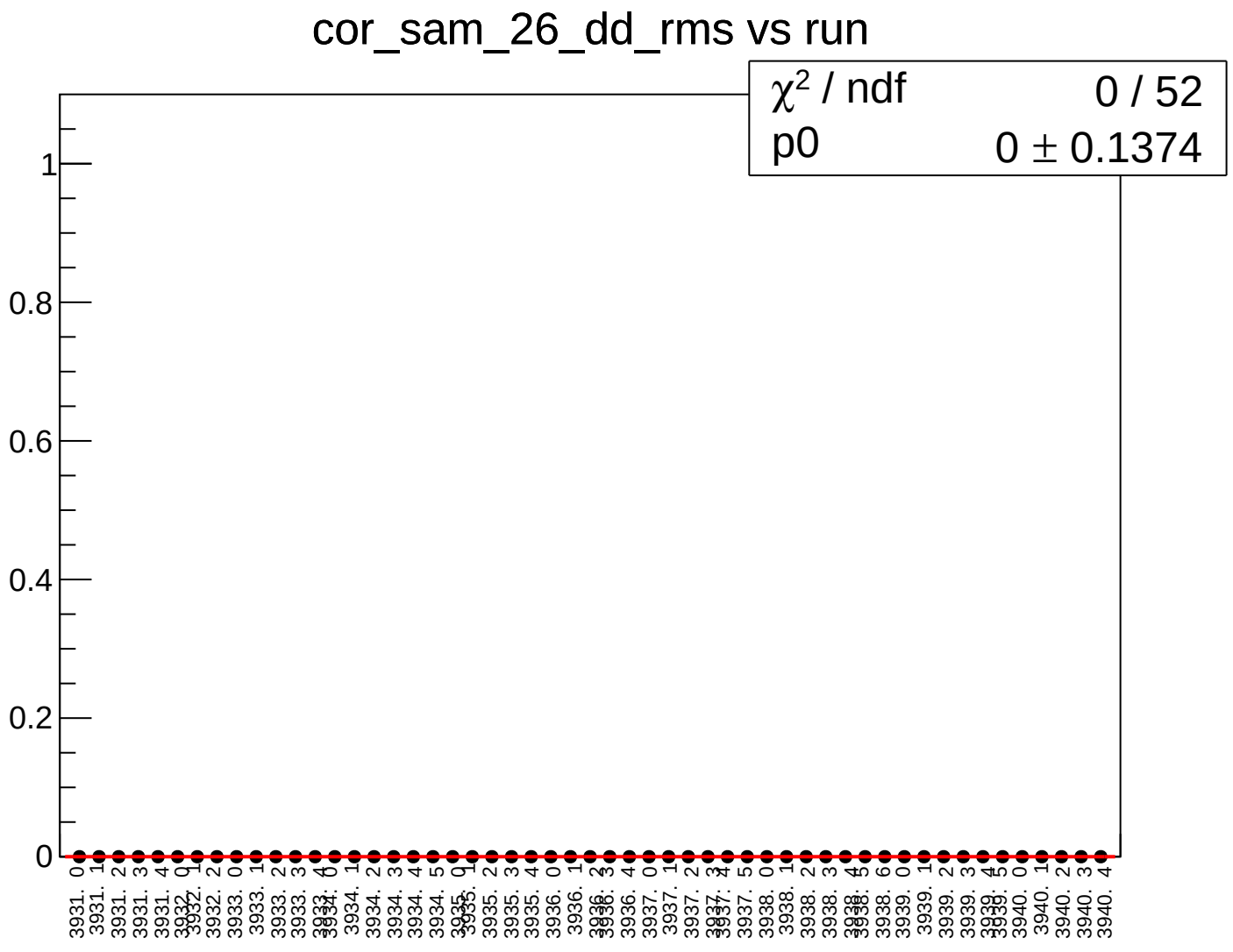

cor_sam_15_dd_mean vs run
χ^2 / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

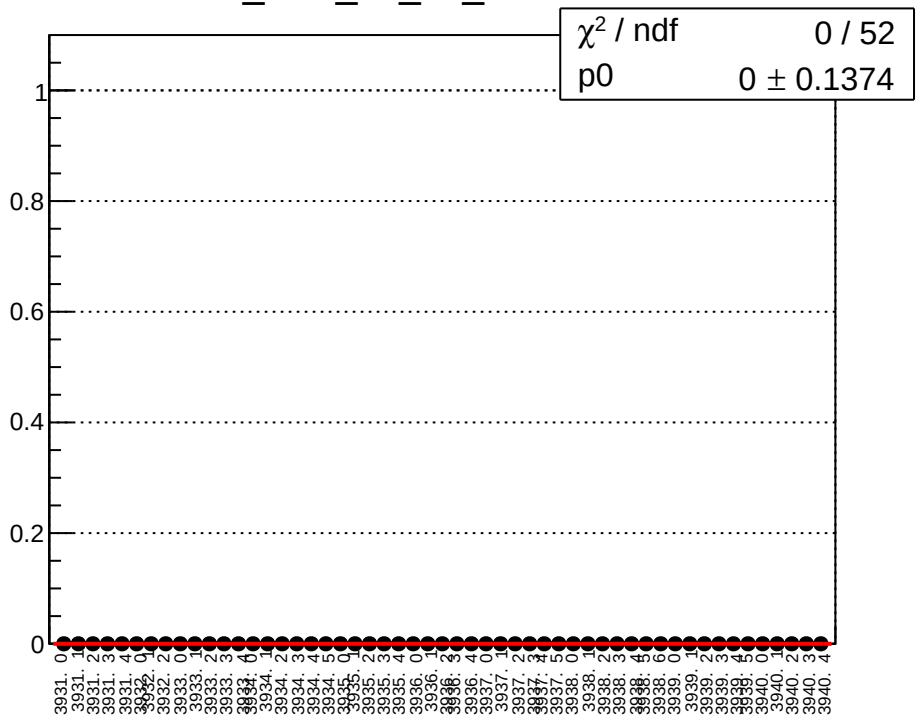

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

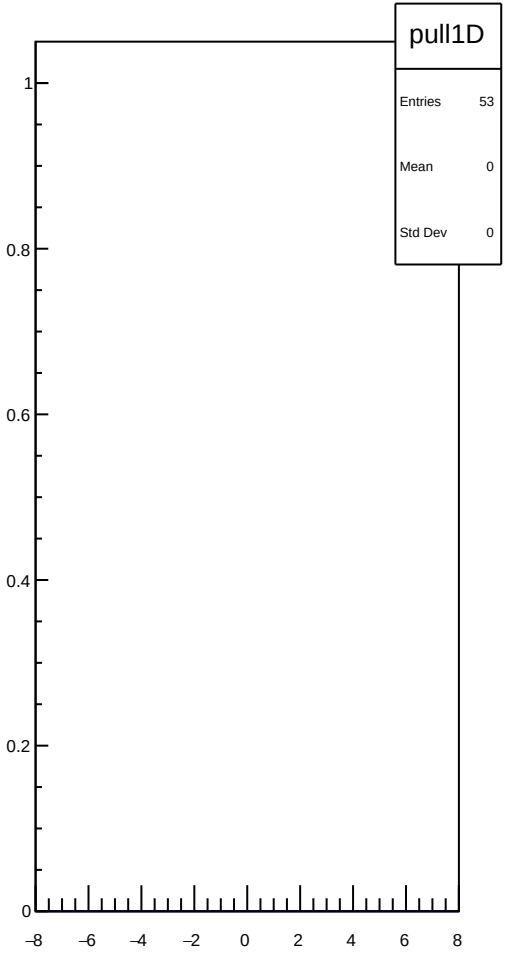

cor_sam_15_dd_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

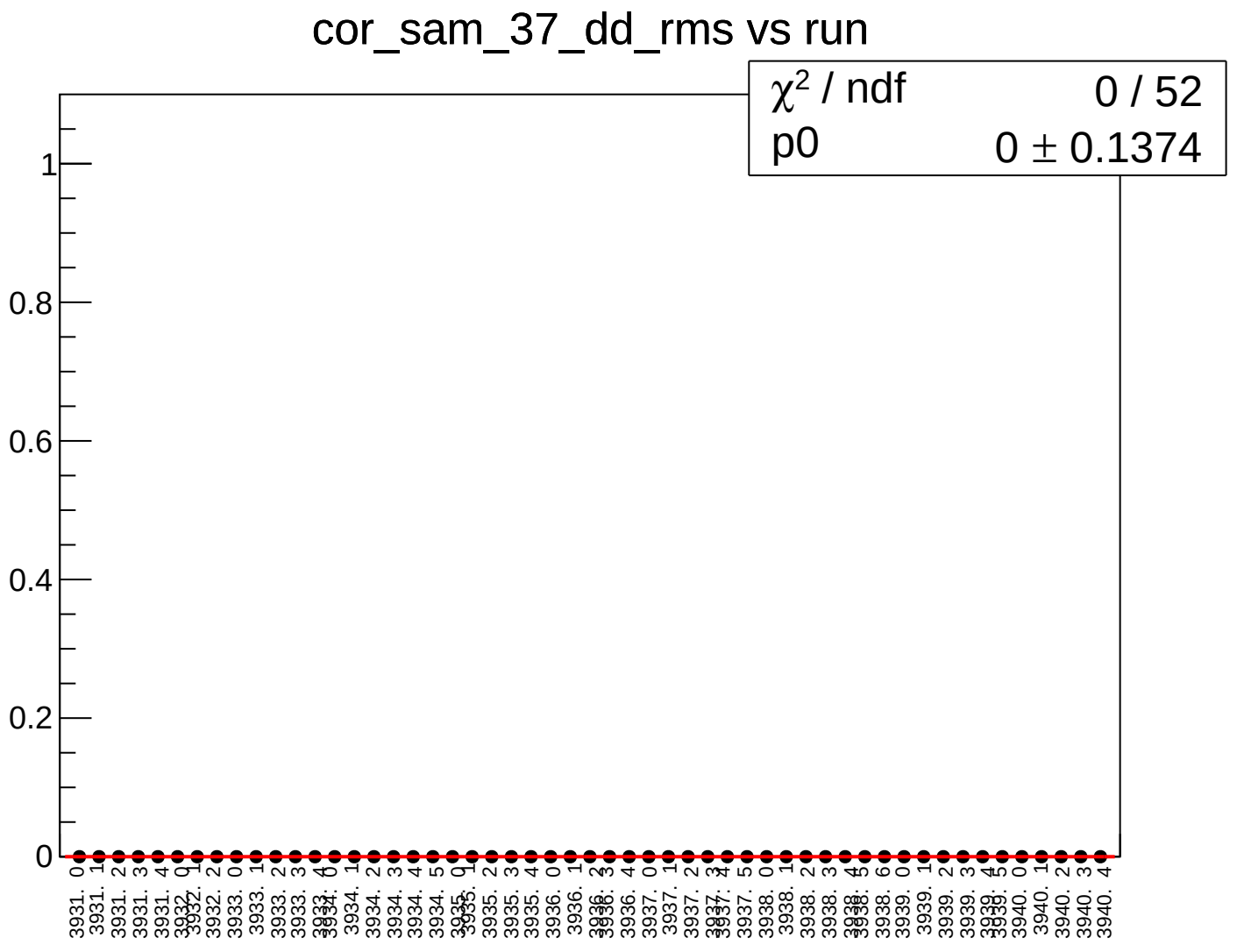

cor_sam_26_dd_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

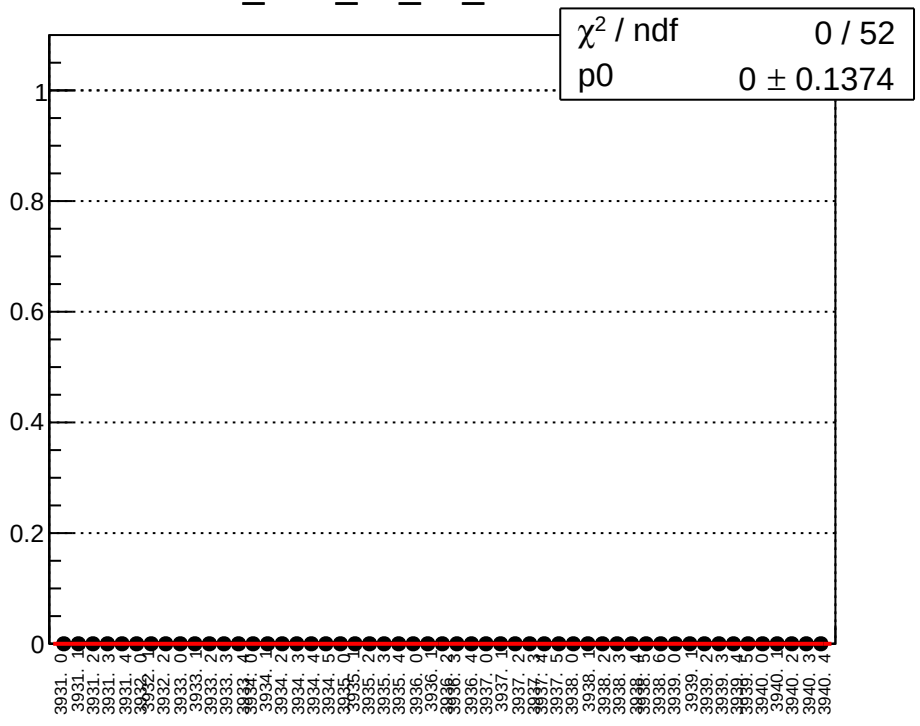

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

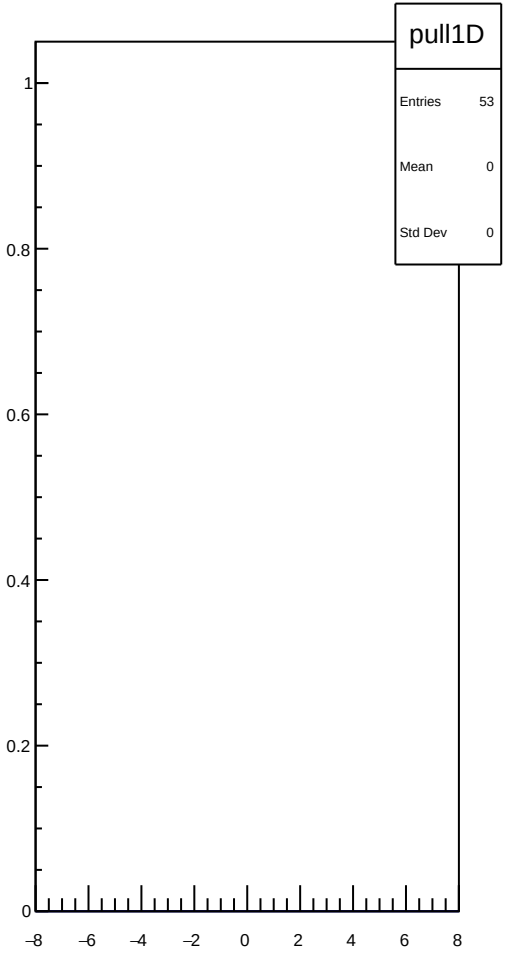

cor_sam_26_dd_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

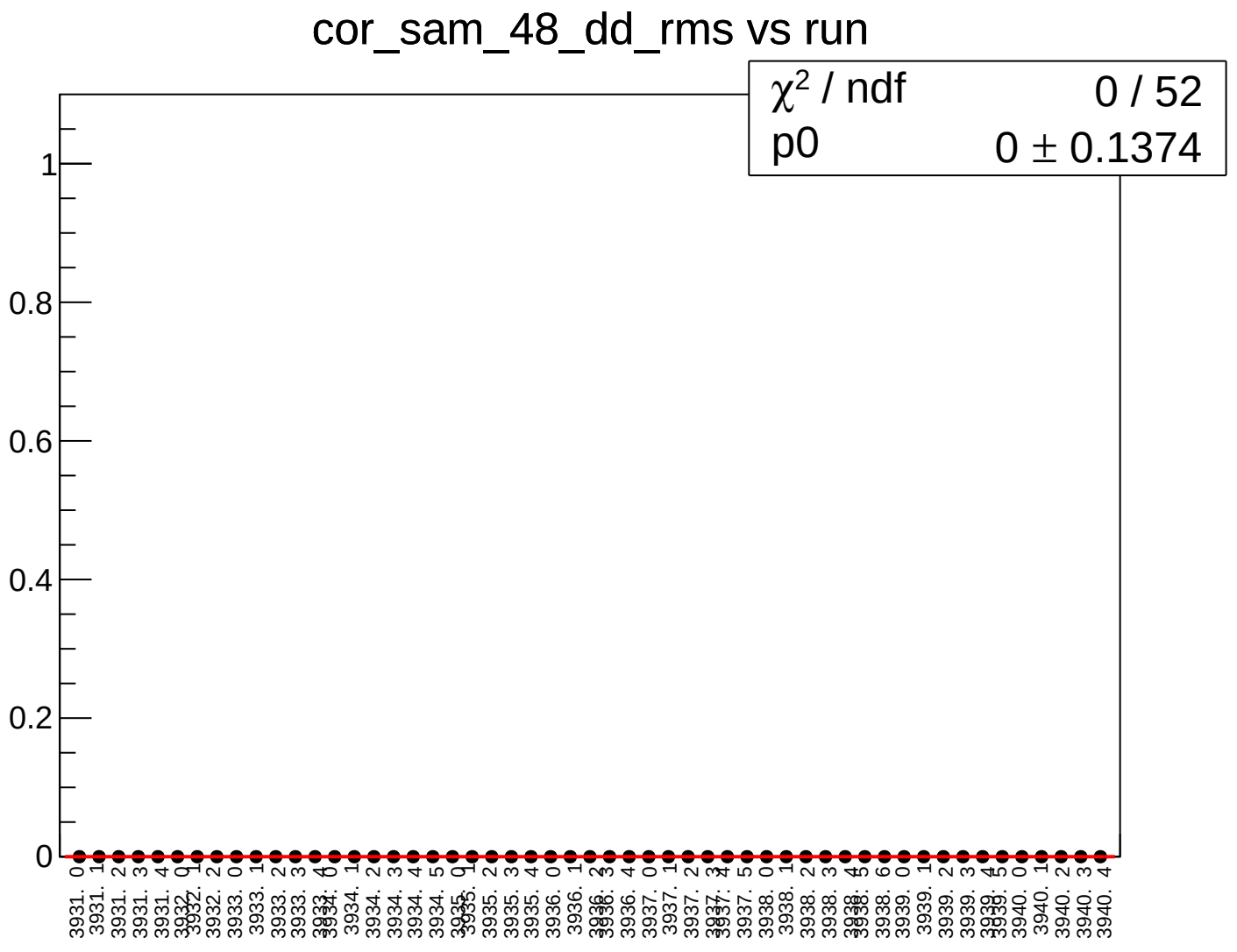

cor_sam_37_dd_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

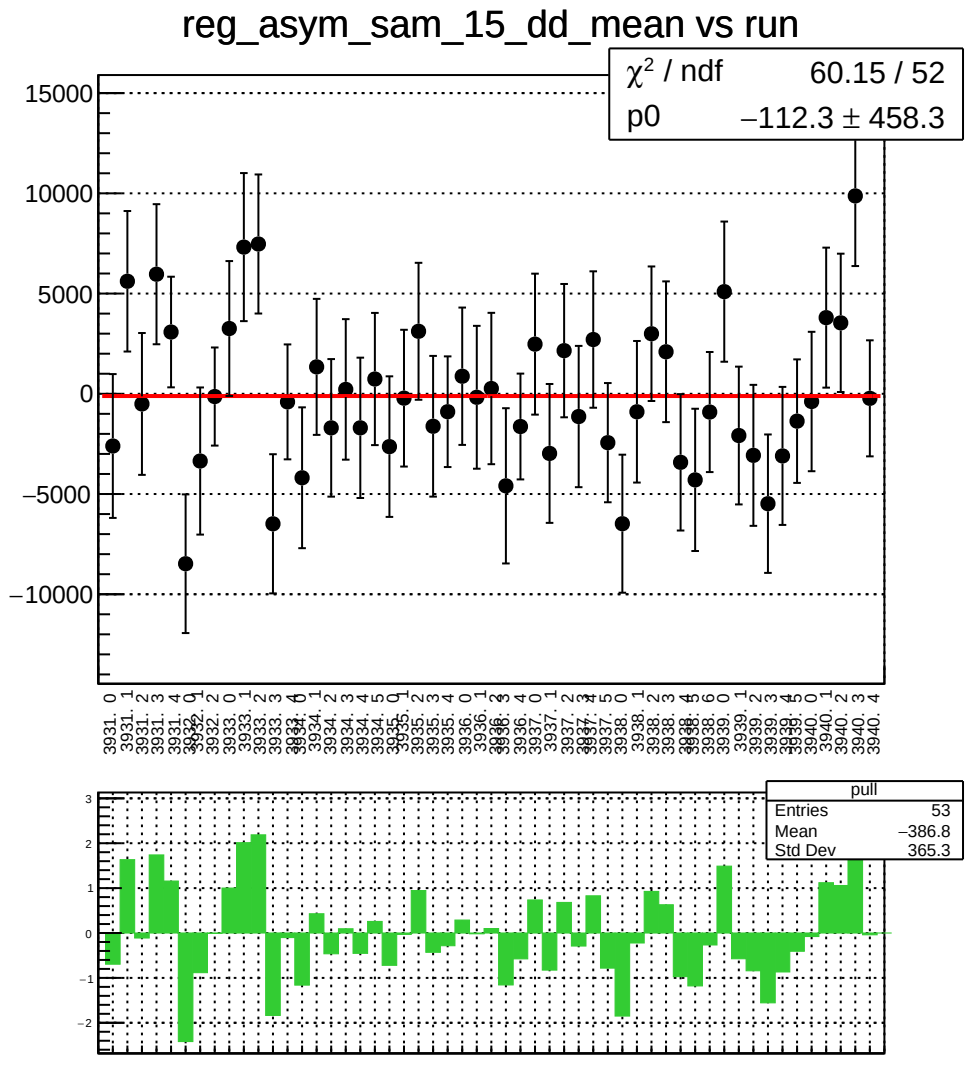

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

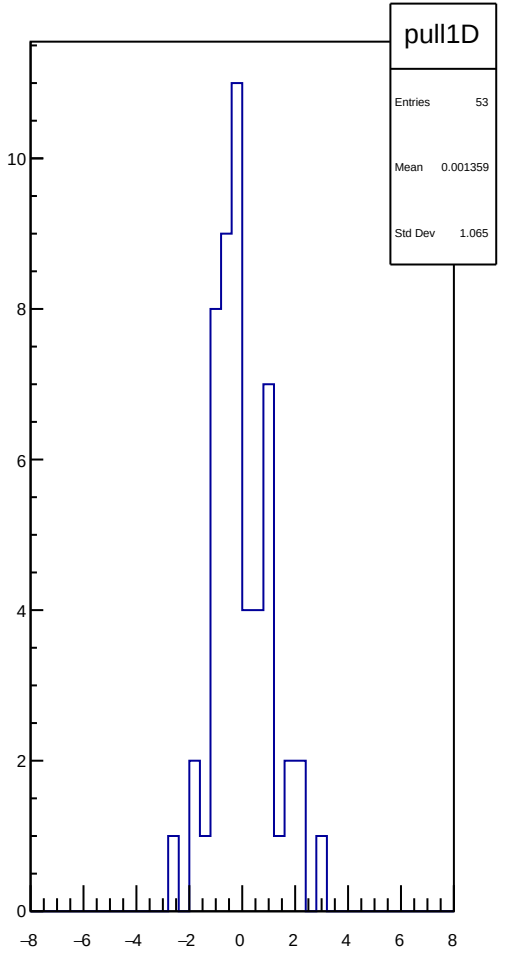

cor_sam_37_dd_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

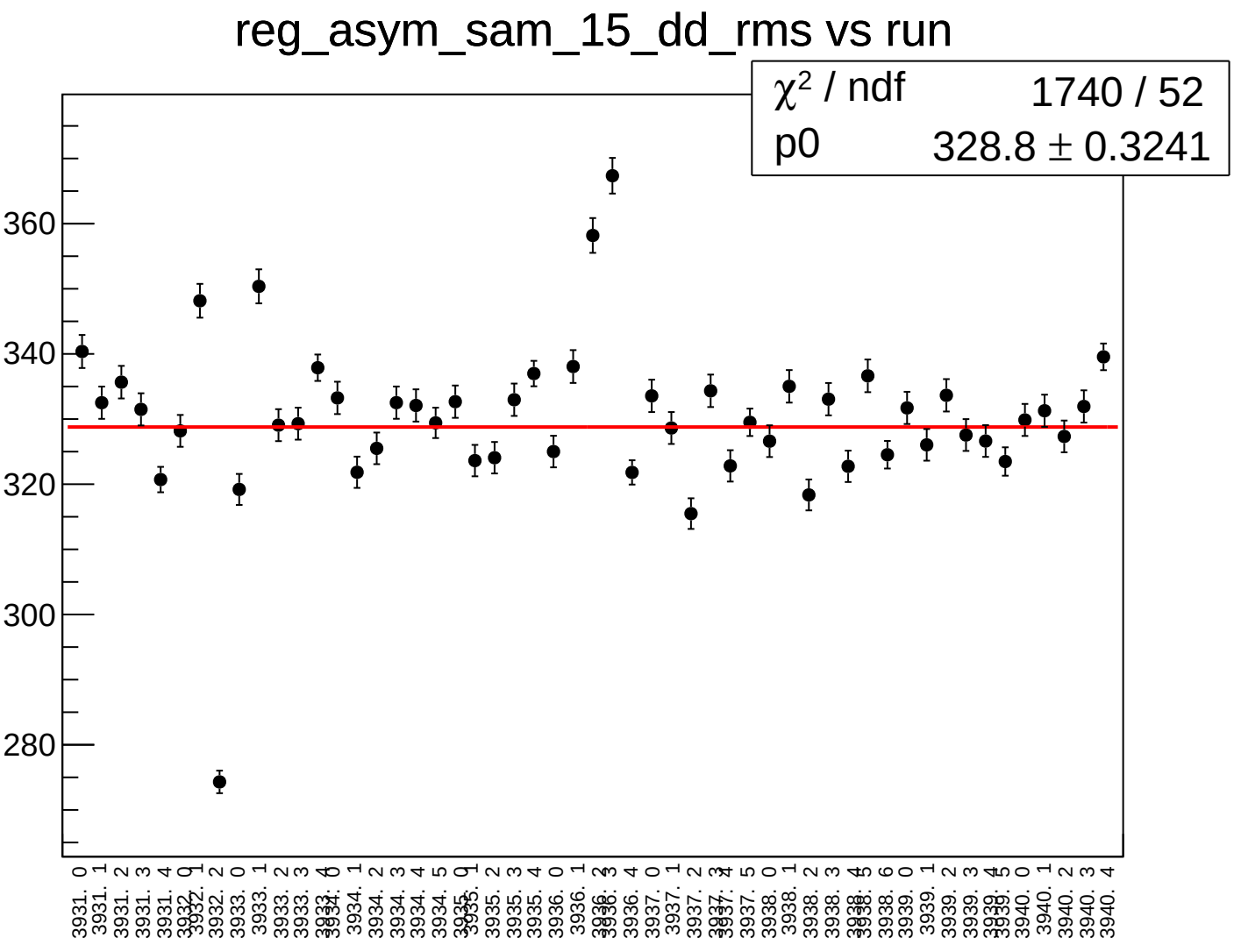

cor_sam_48_dd_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

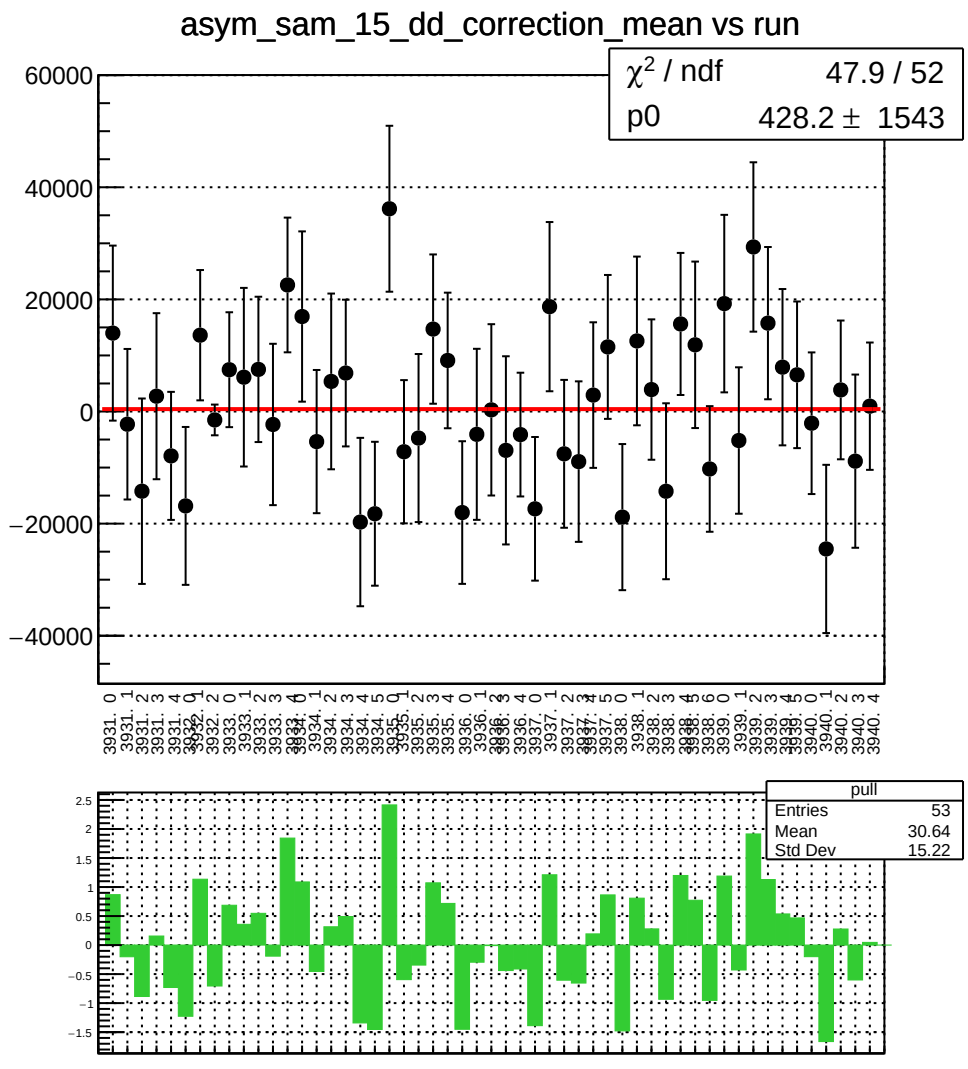

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

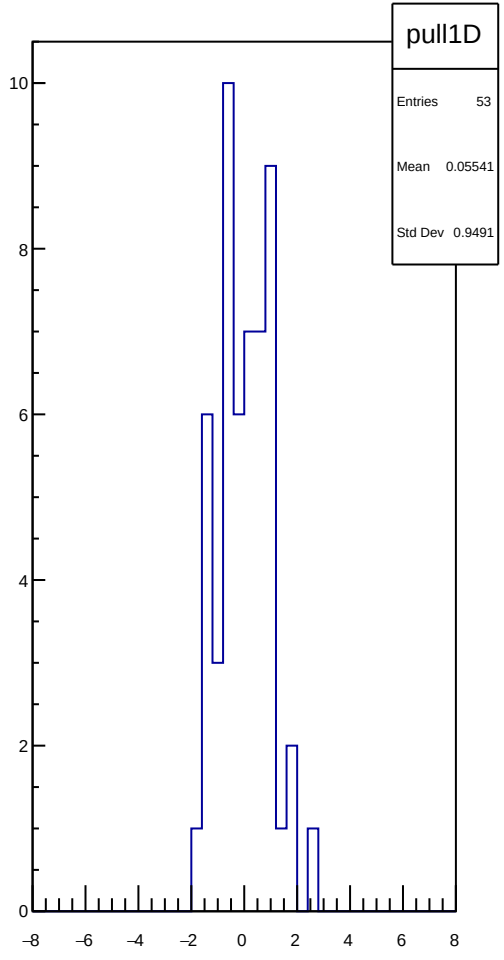

cor_sam_48_dd_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

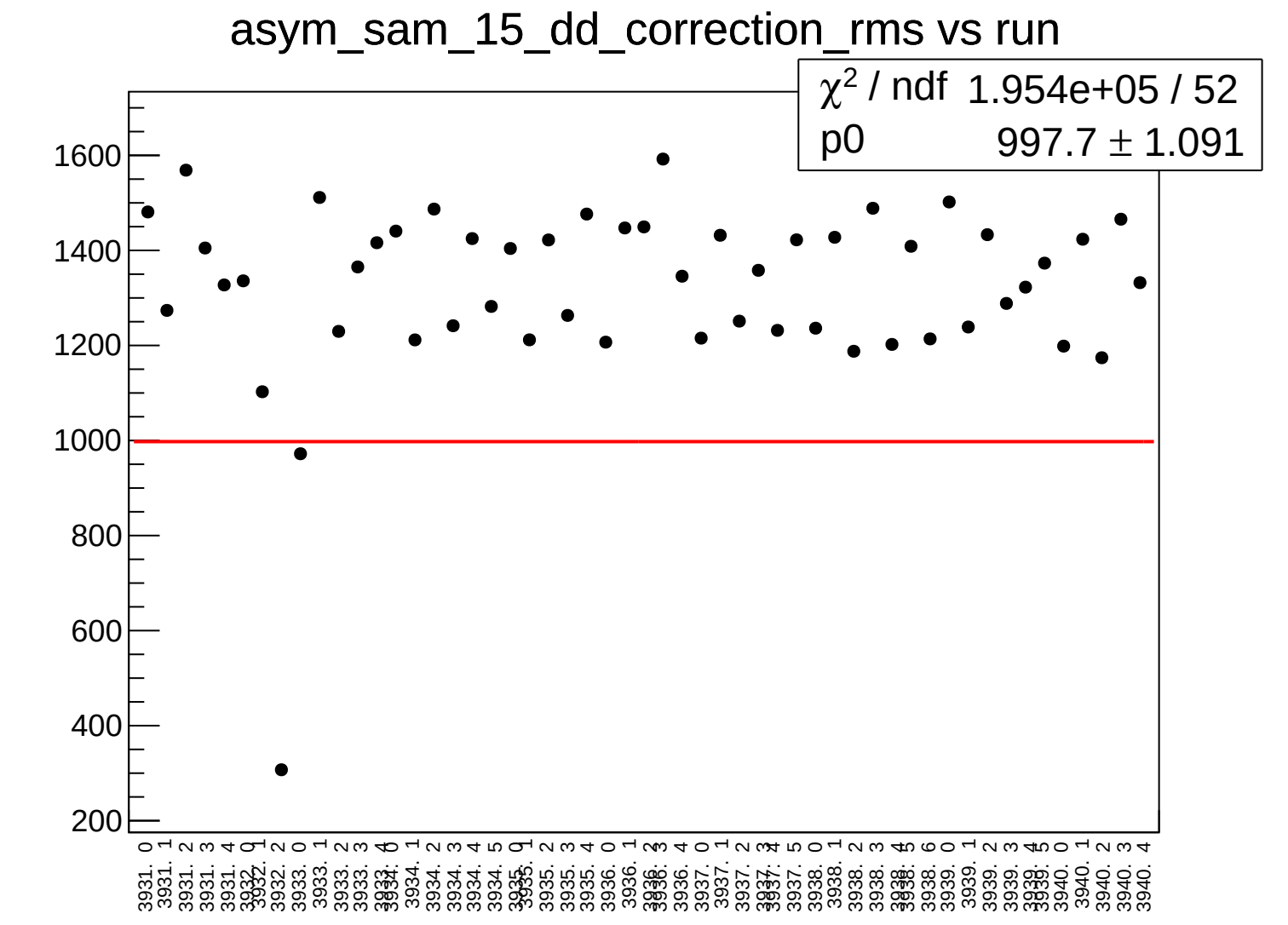

reg_asym_sam_15_dd_mean vs run
χ² / ndf 60.15 / 52
p0 −112.3 ± 458.3
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −386.8
Std Dev 365.3
3
2
1
0
−1
−2

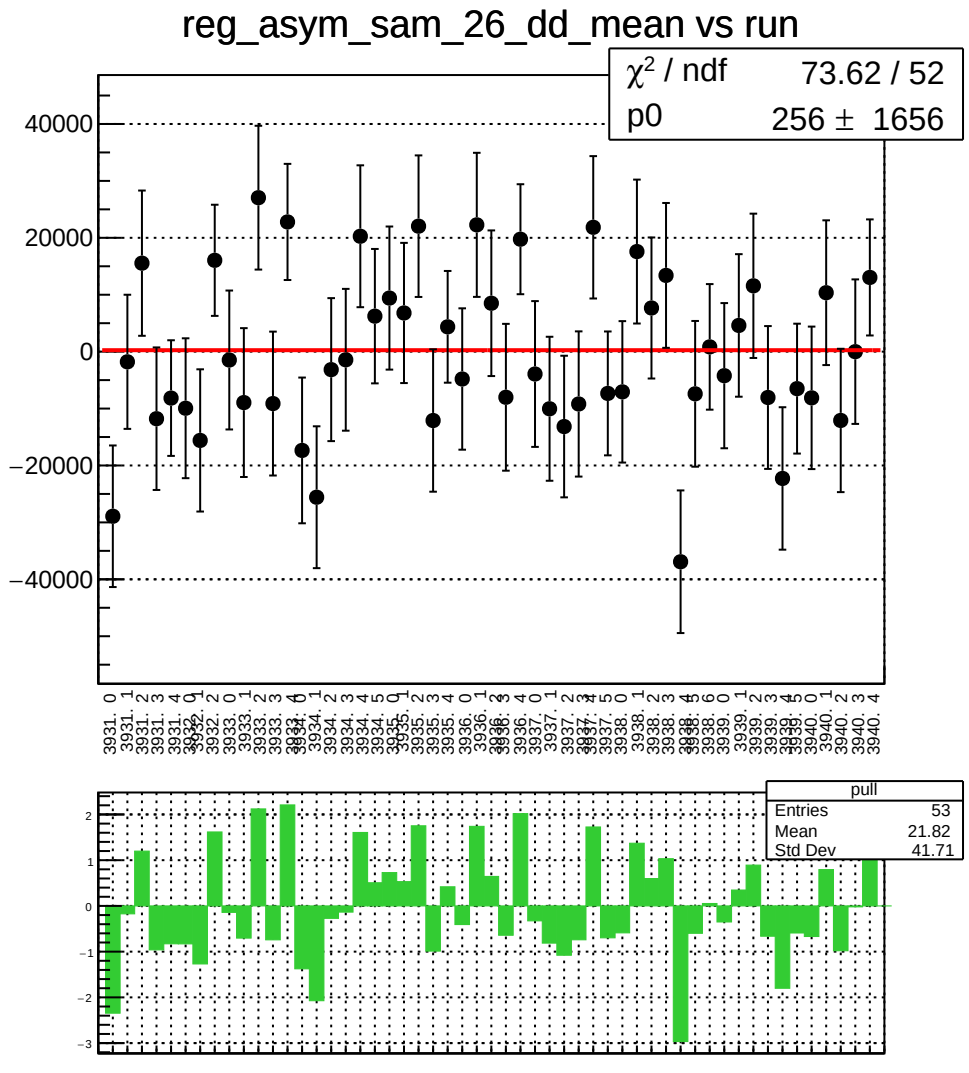

pull1D
Entries 53
Mean 0.001359
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

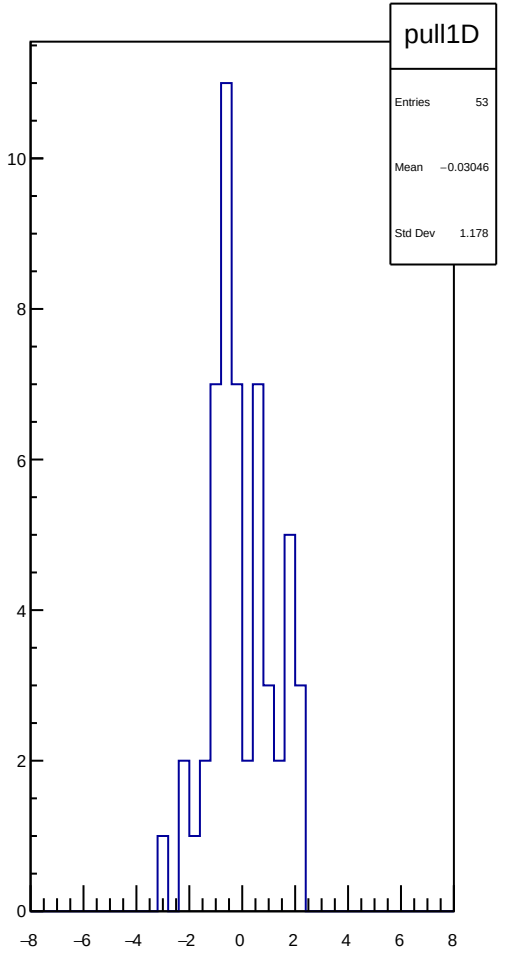

reg_asym_sam_15_dd_rms vs run
χ² / ndf 1740 / 52
p0 328.8 ± 0.3241
360
340
320
300
280

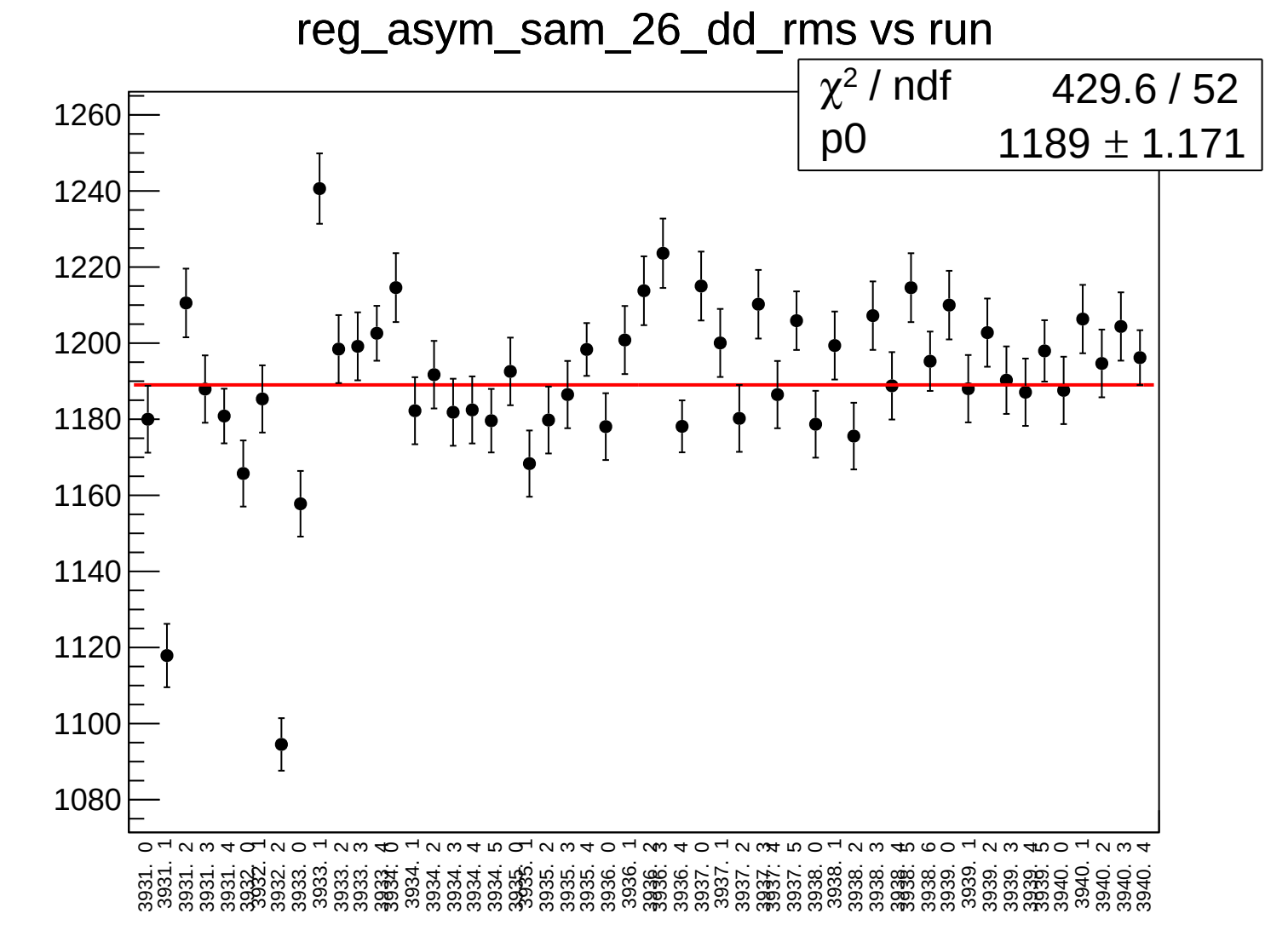

asym_sam_15_dd_correction_mean vs run
χ² / ndf 47.9 / 52
p0 428.2 ± 1543
pull
Entries 53
Mean 30.64
Std Dev 15.22

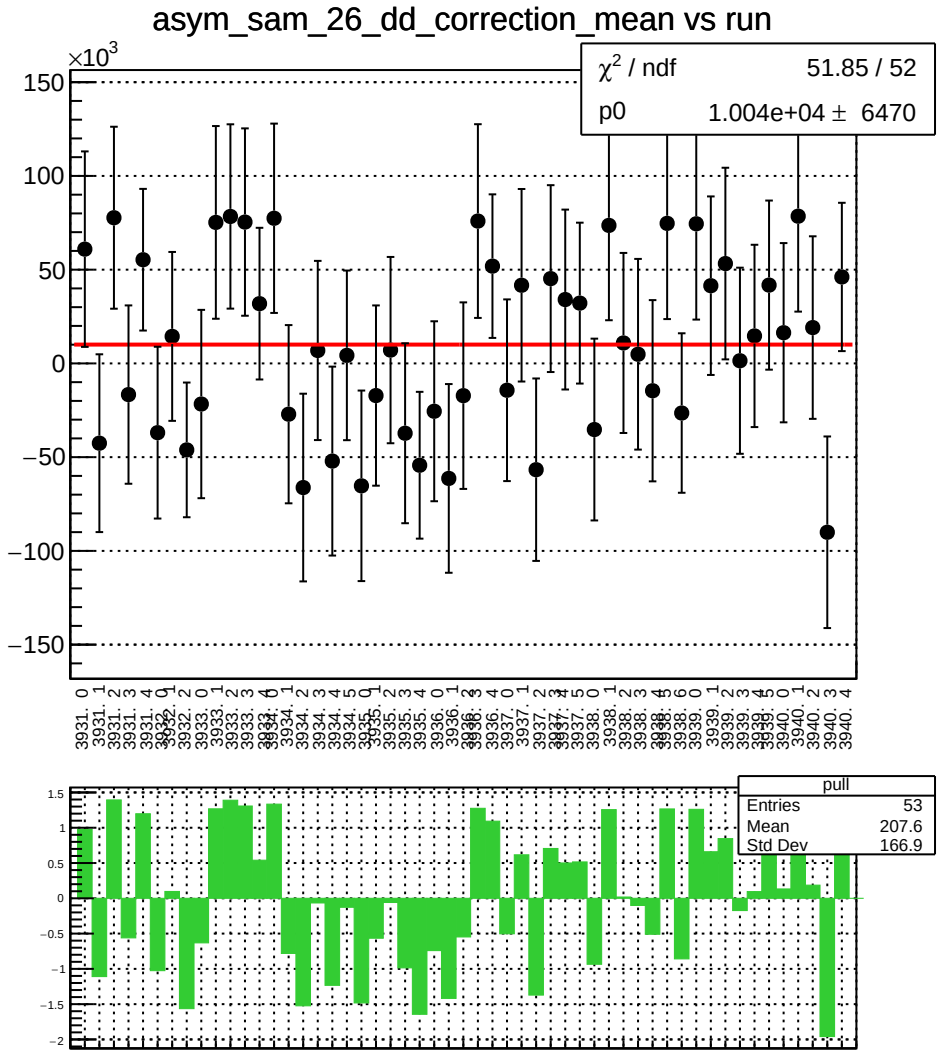

pull1D
Entries 53
Mean 0.05541
Std Dev 0.9491

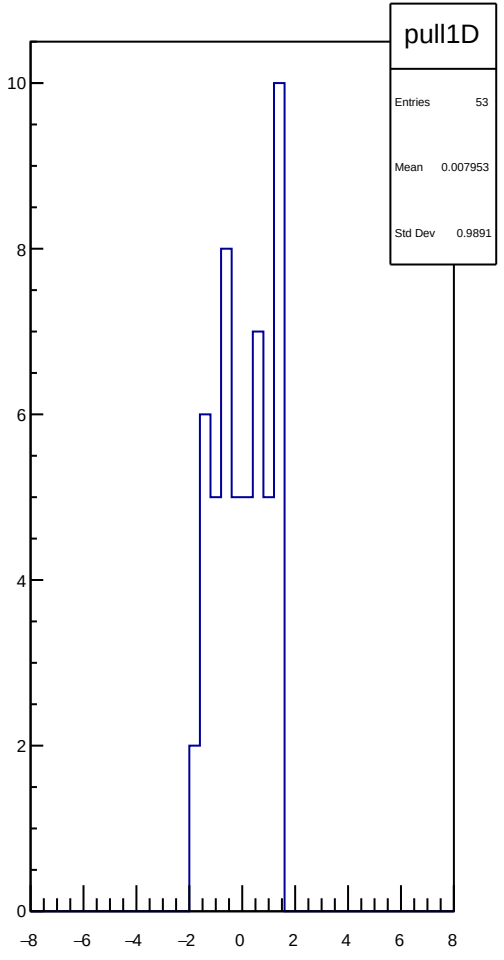

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.954e+05 / 52
p0 997.7 ± 1.091
1600
1400
1200
1000
800
600
400
200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

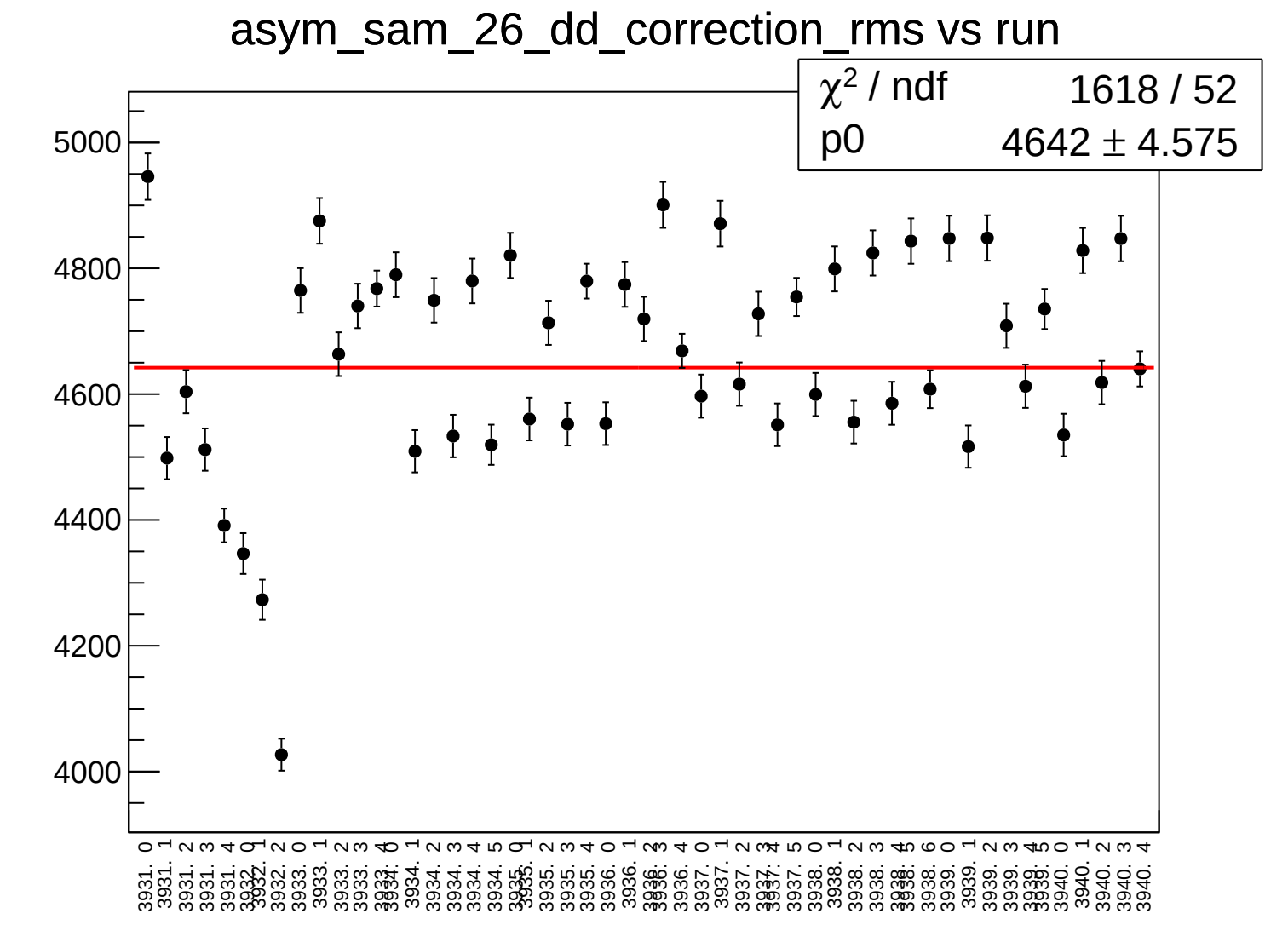

reg_asym_sam_26_dd_mean vs run
χ² / ndf 73.62 / 52
p0 256 ± 1656
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 21.82
Std Dev 41.71
2
1
0
−1
−2
−3

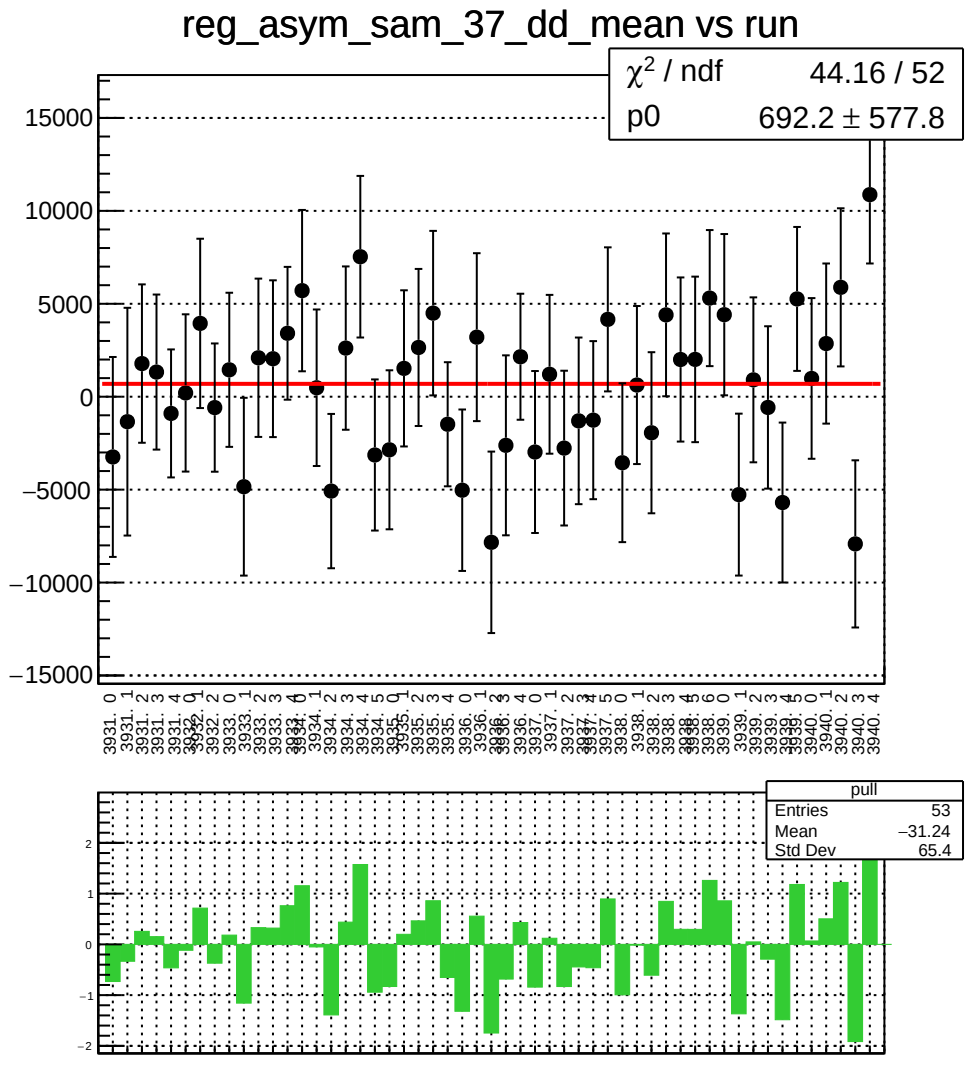

pull1D
Entries 53
Mean −0.03046
Std Dev 1.178
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

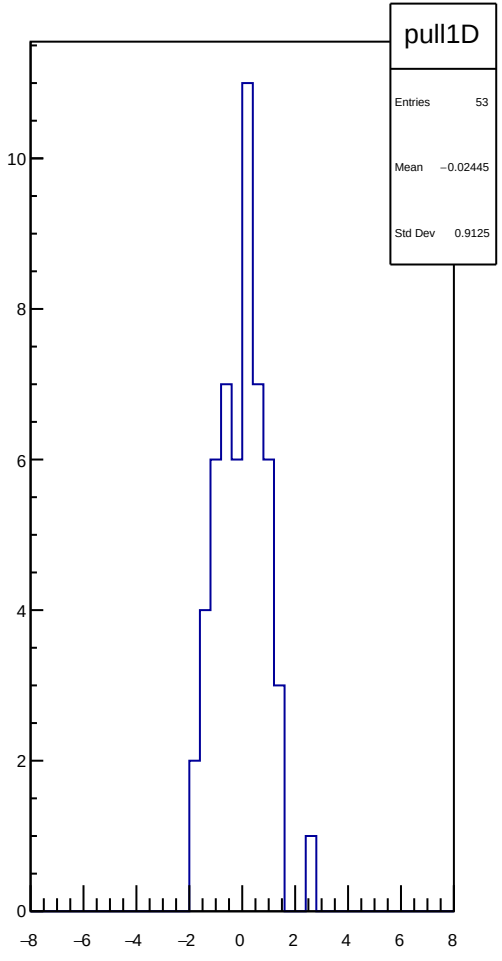

reg_asym_sam_26_dd_rms vs run
χ² / ndf 429.6 / 52
p0 1189 ± 1.171
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

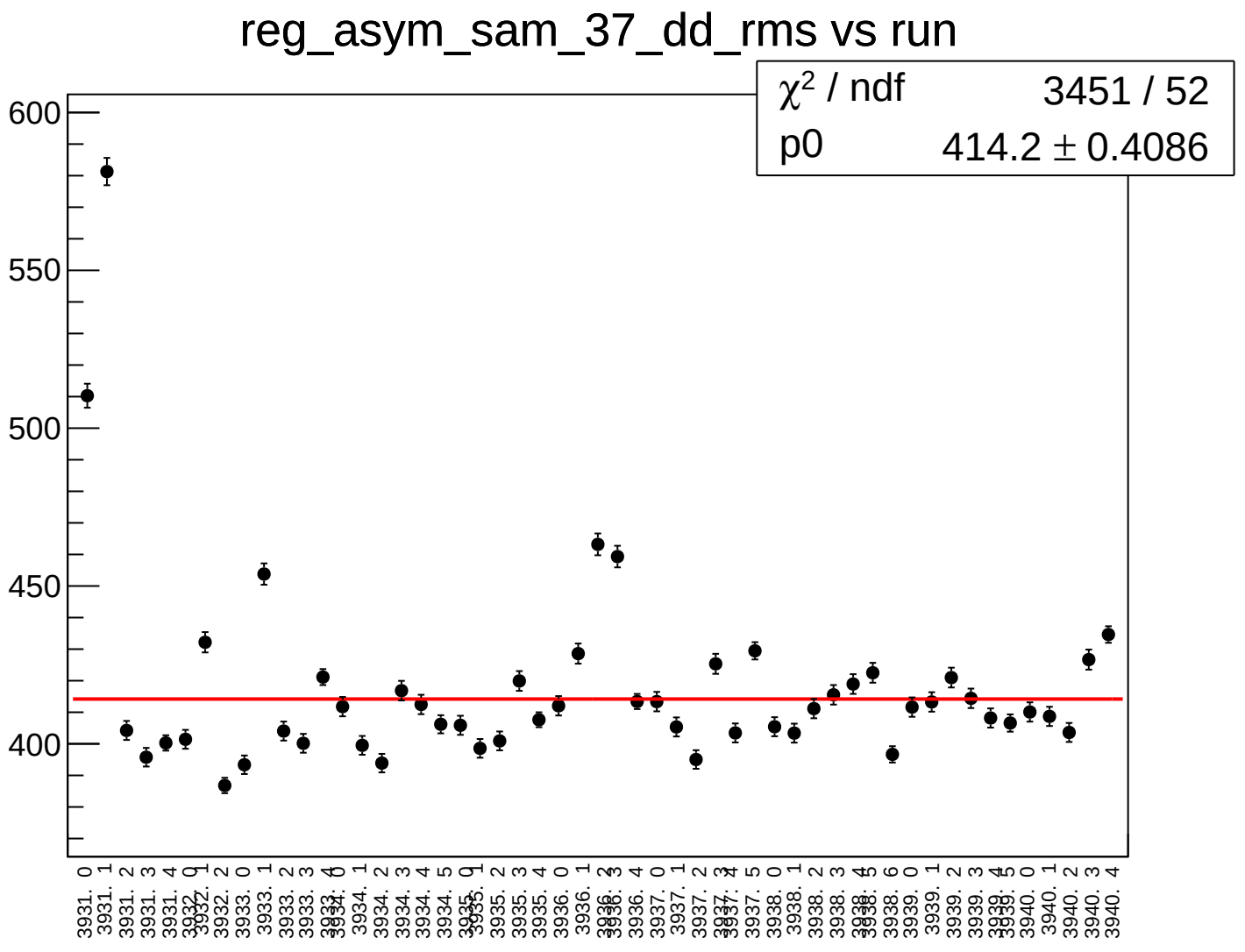

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 51.85 / 52
p0 1.004e+04 ± 6470
pull
Entries 53
Mean 207.6
Std Dev 166.9

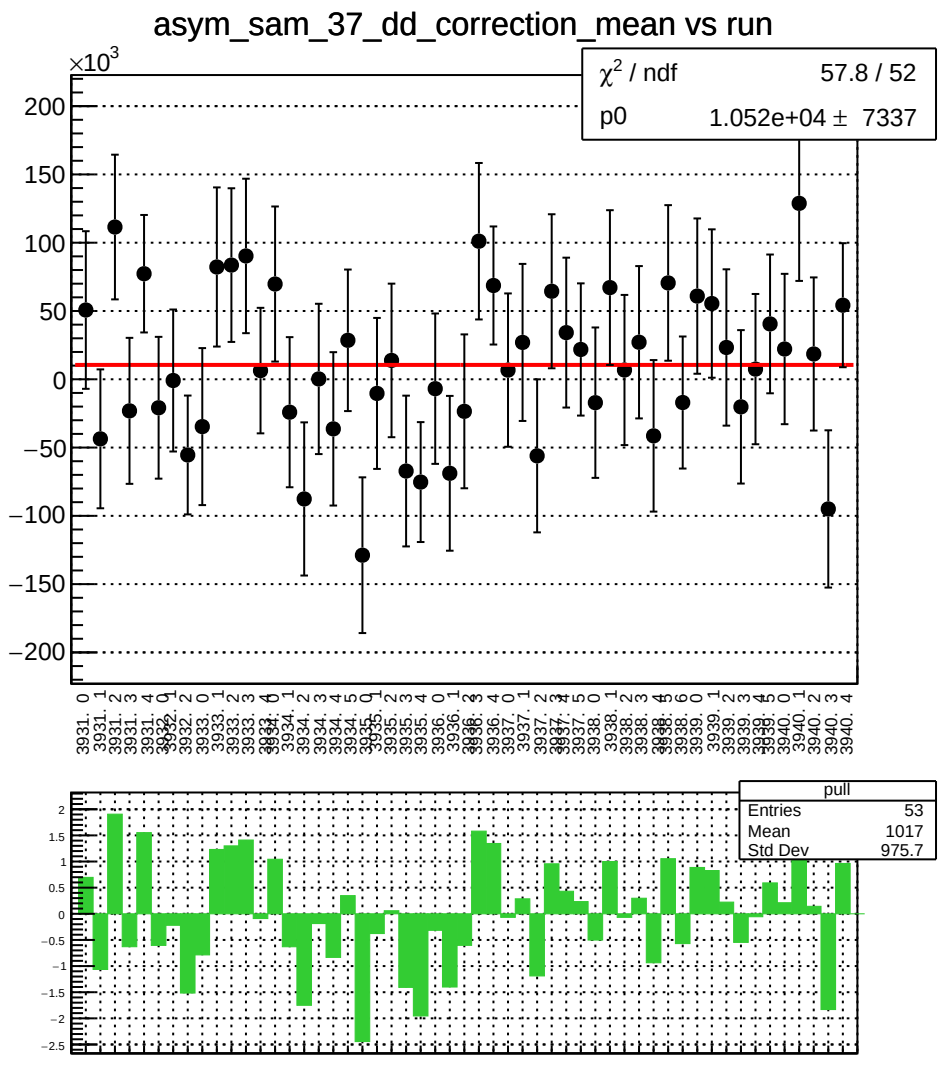

pull1D
Entries 53
Mean 0.007953
Std Dev 0.9891

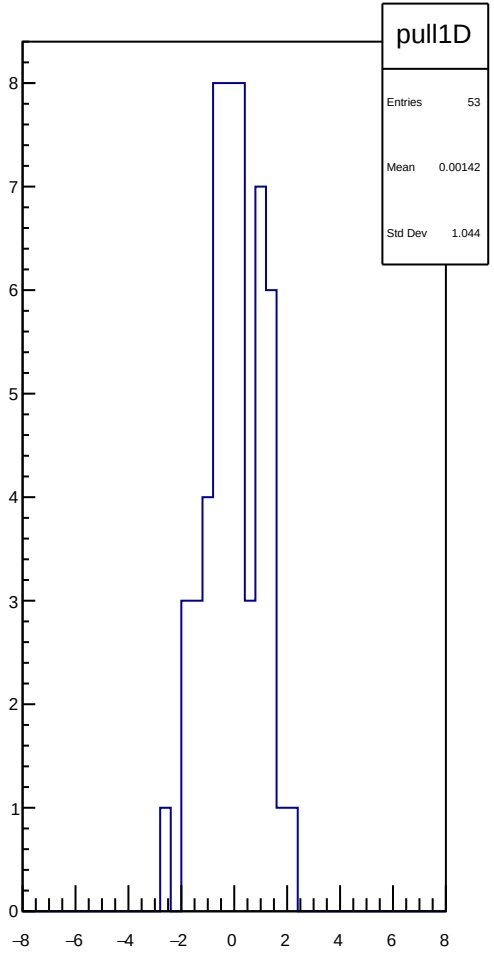

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1618 / 52
p0 4642 ± 4.575
5000
4800
4600
4400
4200
4000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

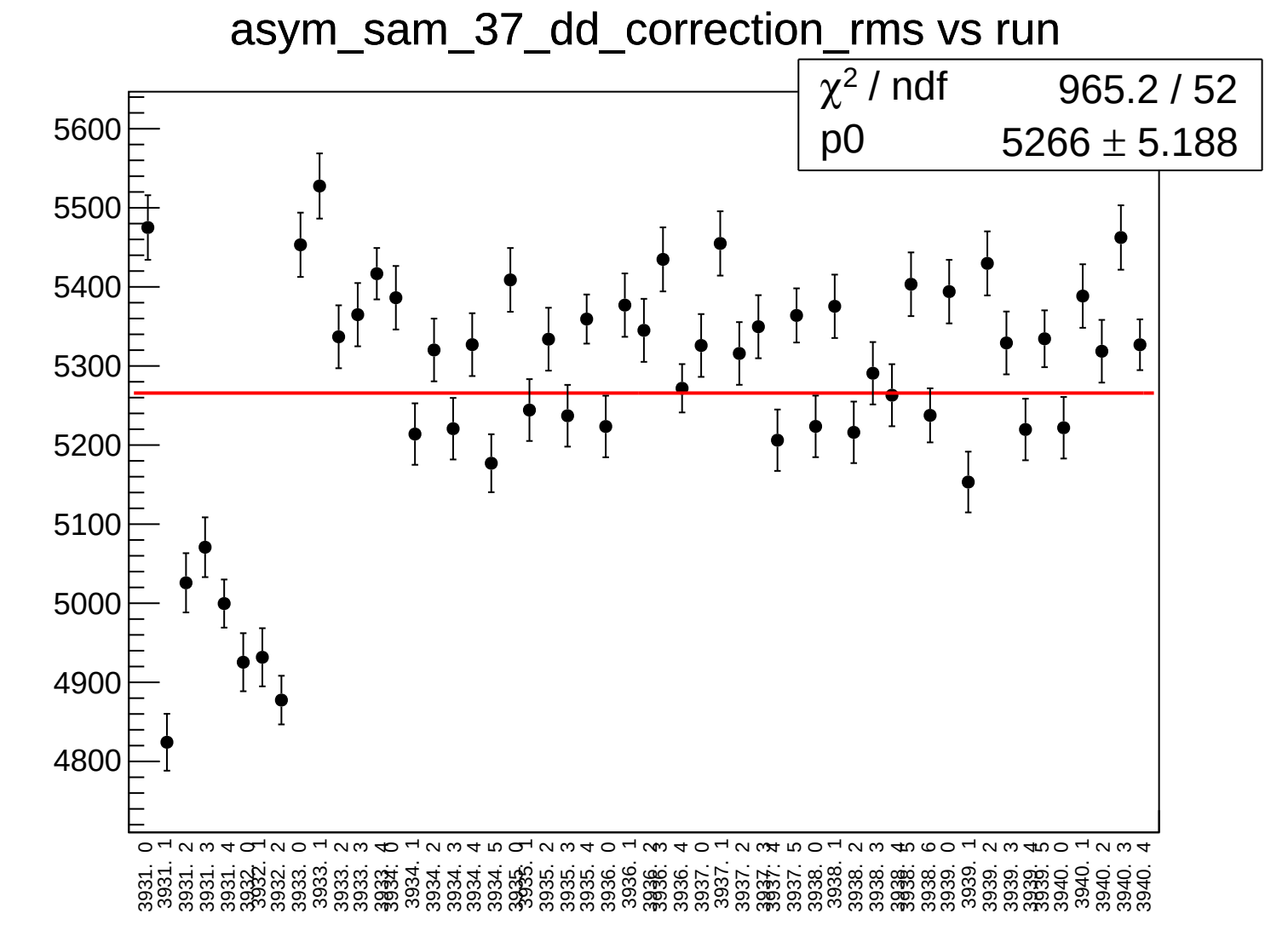

reg_asym_sam_37_dd_mean vs run
χ² / ndf 44.16 / 52
p0 692.2 ± 577.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −31.24
Std Dev 65.4
2
1
0
−1
−2

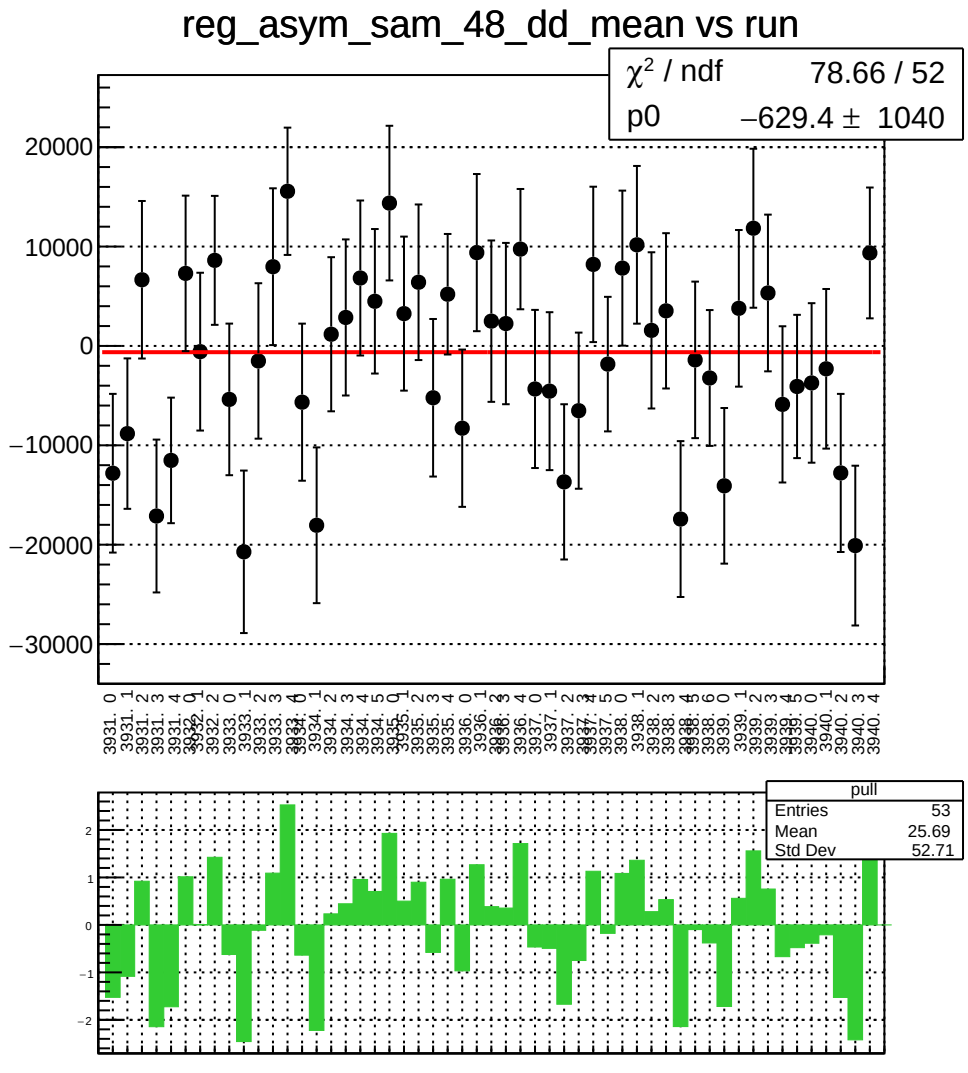

pull1D
Entries 53
Mean −0.02445
Std Dev 0.9125
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

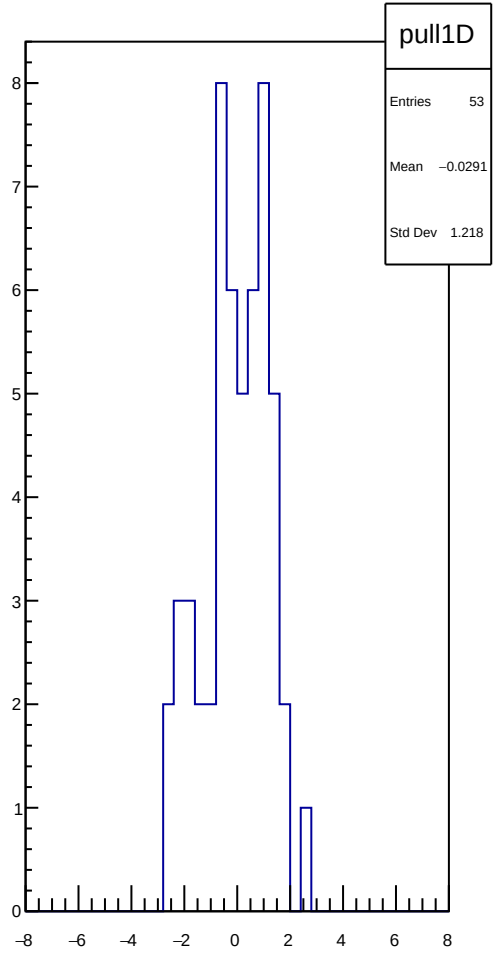

reg_asym_sam_37_dd_rms vs run
χ² / ndf 3451 / 52
p0 414.2 ± 0.4086
600
550
500
450
400

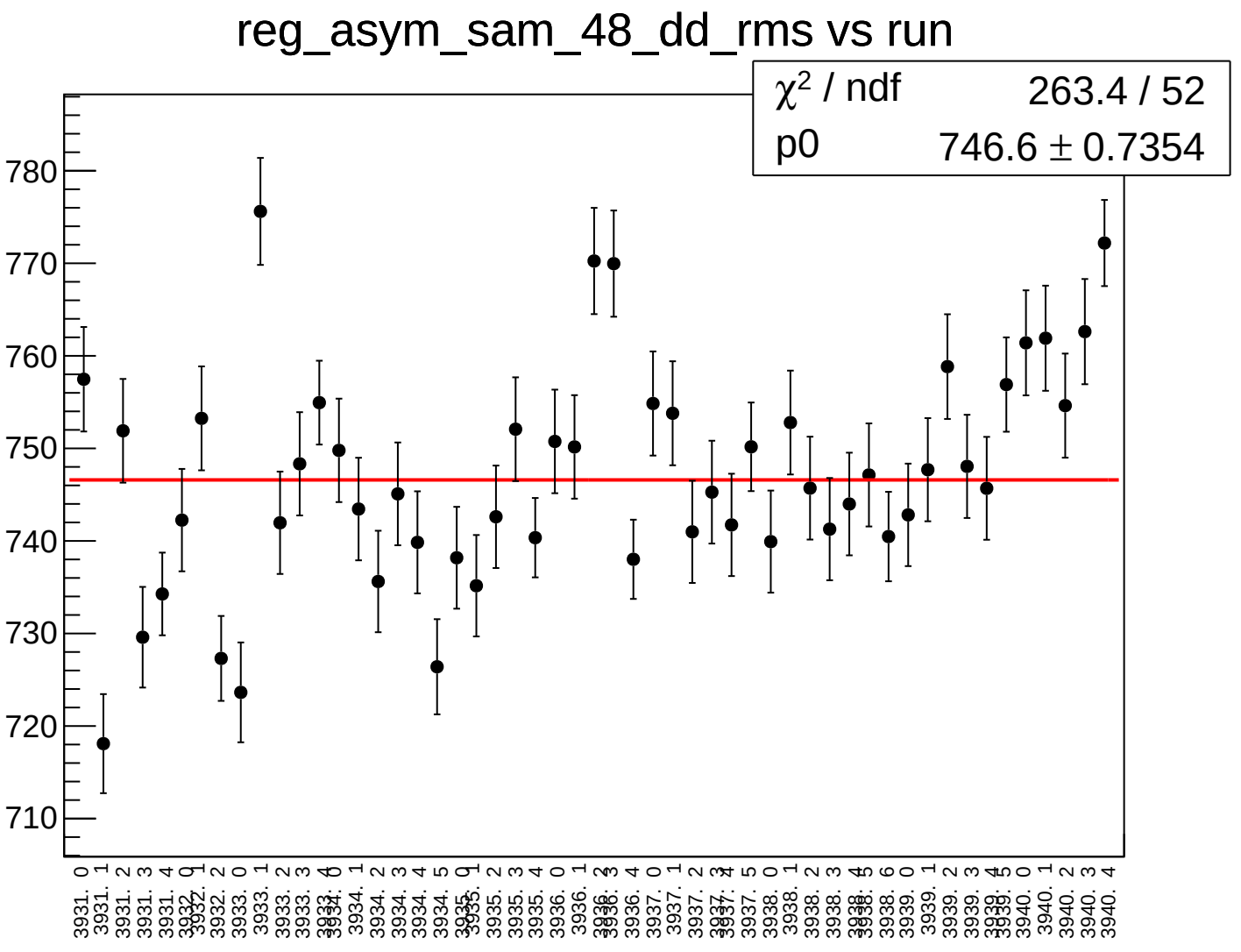

asym_sam_37_dd_correction_mean vs run
×10^3
χ² / ndf 57.8 / 52
p0 1.052e+04 ± 7337
pull
Entries 53
Mean 1017
Std Dev 975.7

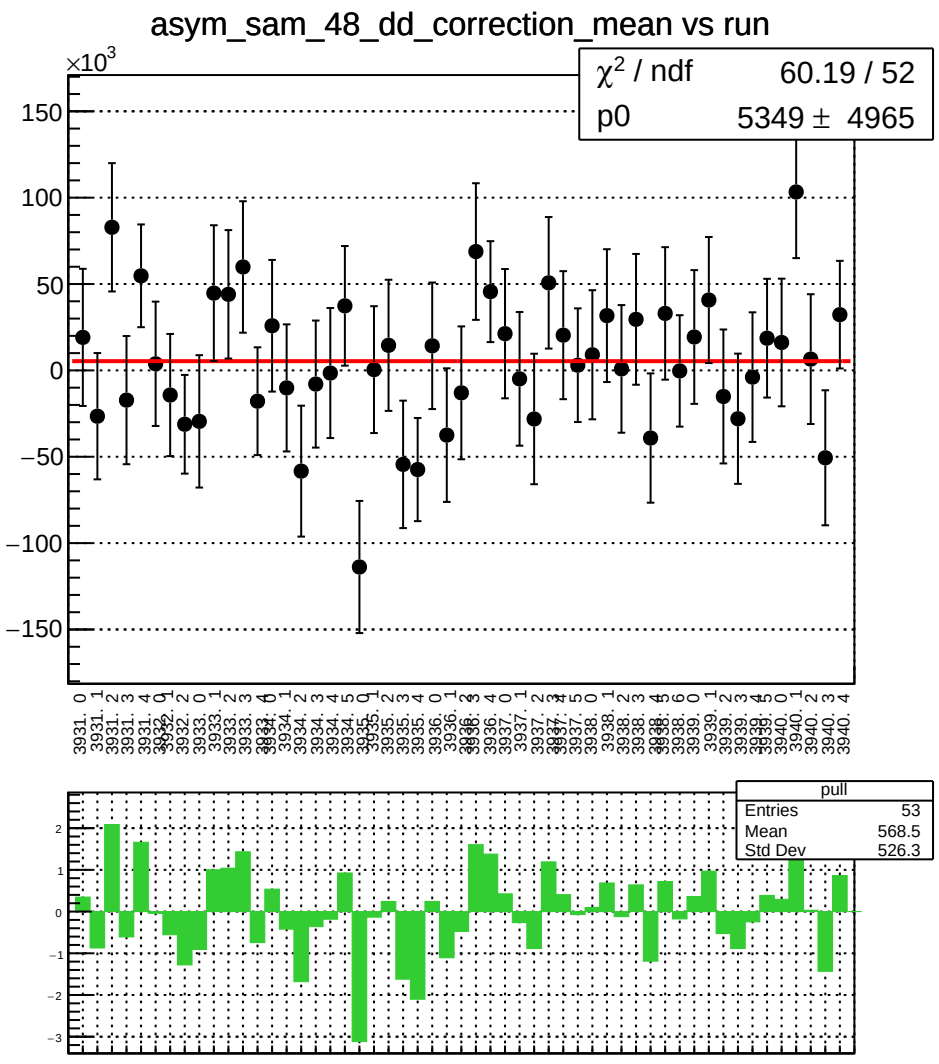

pull1D
Entries 53
Mean 0.00142
Std Dev 1.044

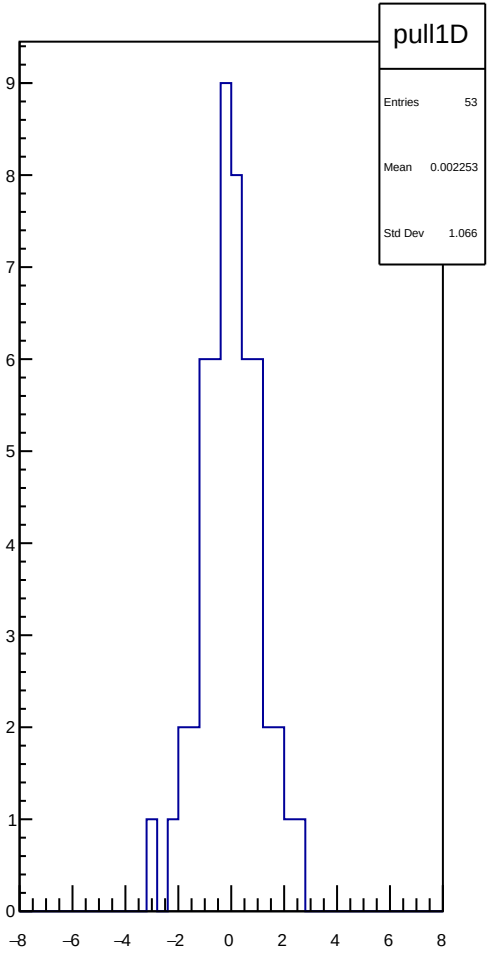

asym_sam_37_dd_correction_rms vs run
χ² / ndf 965.2 / 52
p0 5266 ± 5.188
5600
5500
5400
5300
5200
5100
5000
4900
4800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

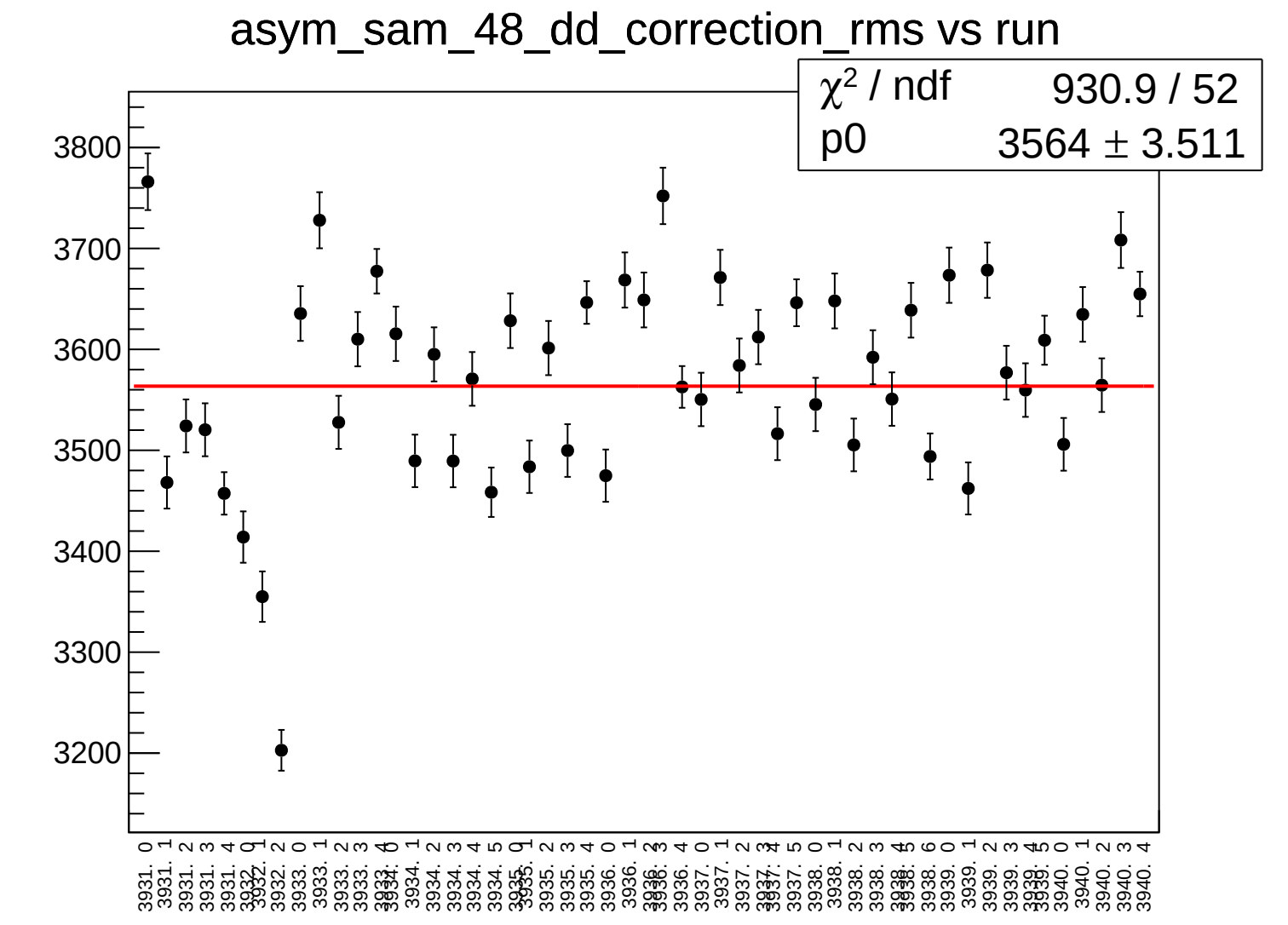

reg_asym_sam_48_dd_mean vs run
χ² / ndf 78.66 / 52
p0 −629.4 ± 1040
pull
Entries 53
Mean 25.69
Std Dev 52.71

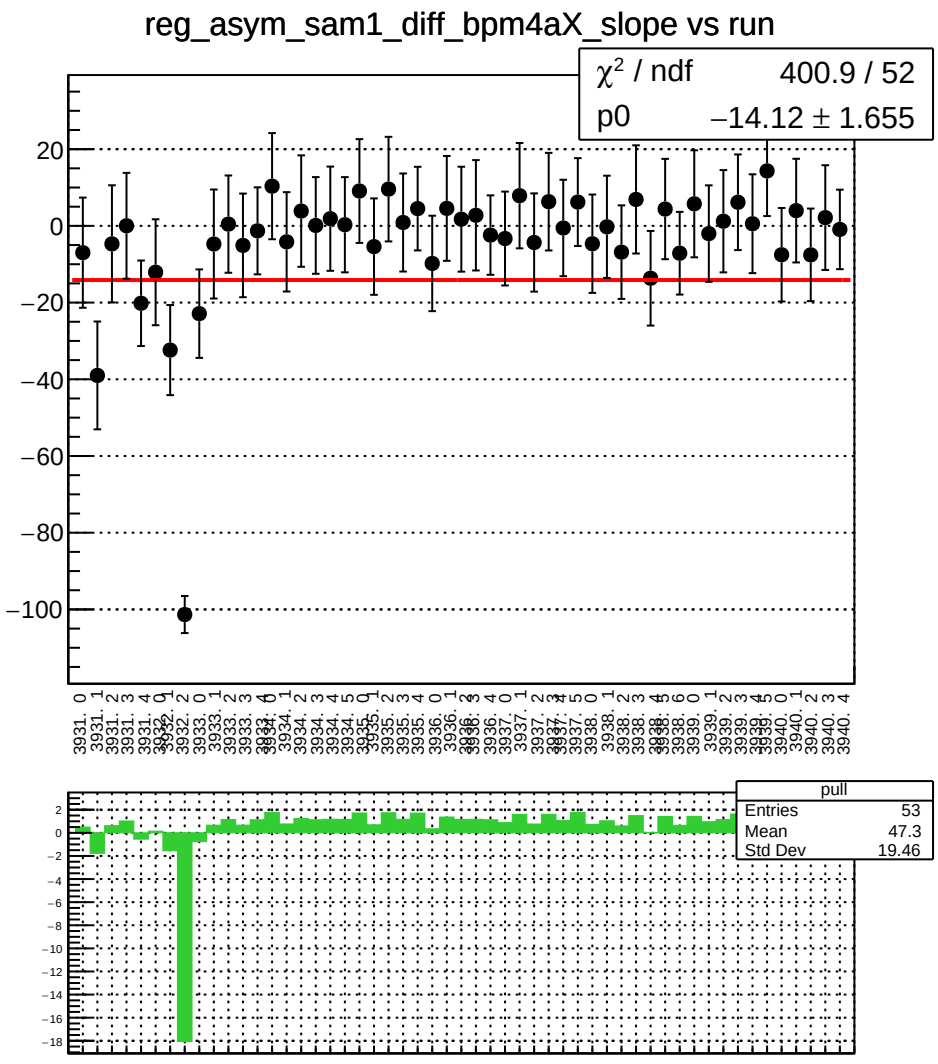

pull1D
Entries 53
Mean −0.0291
Std Dev 1.218

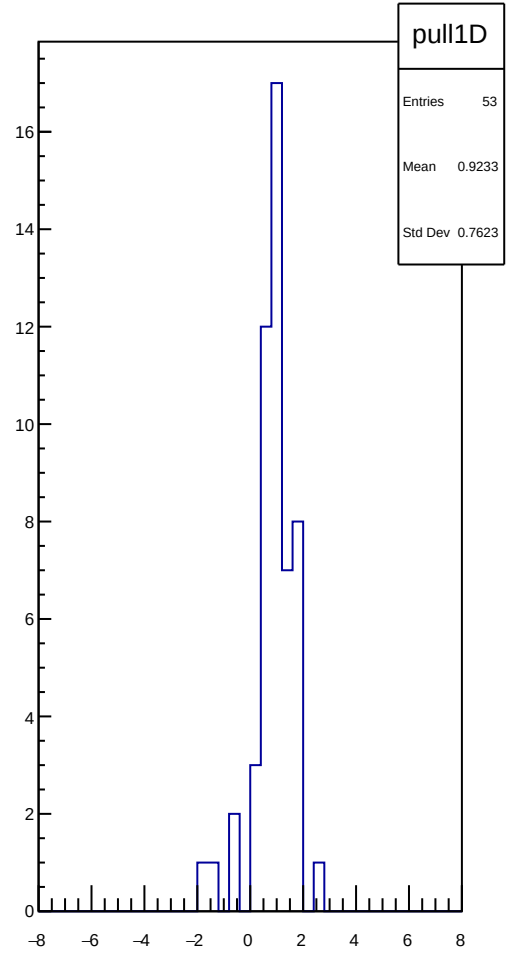

reg_asym_sam_48_dd_rms vs run
χ² / ndf 263.4 / 52
p0 746.6 ± 0.7354
780
770
760
750
740
730
720
710

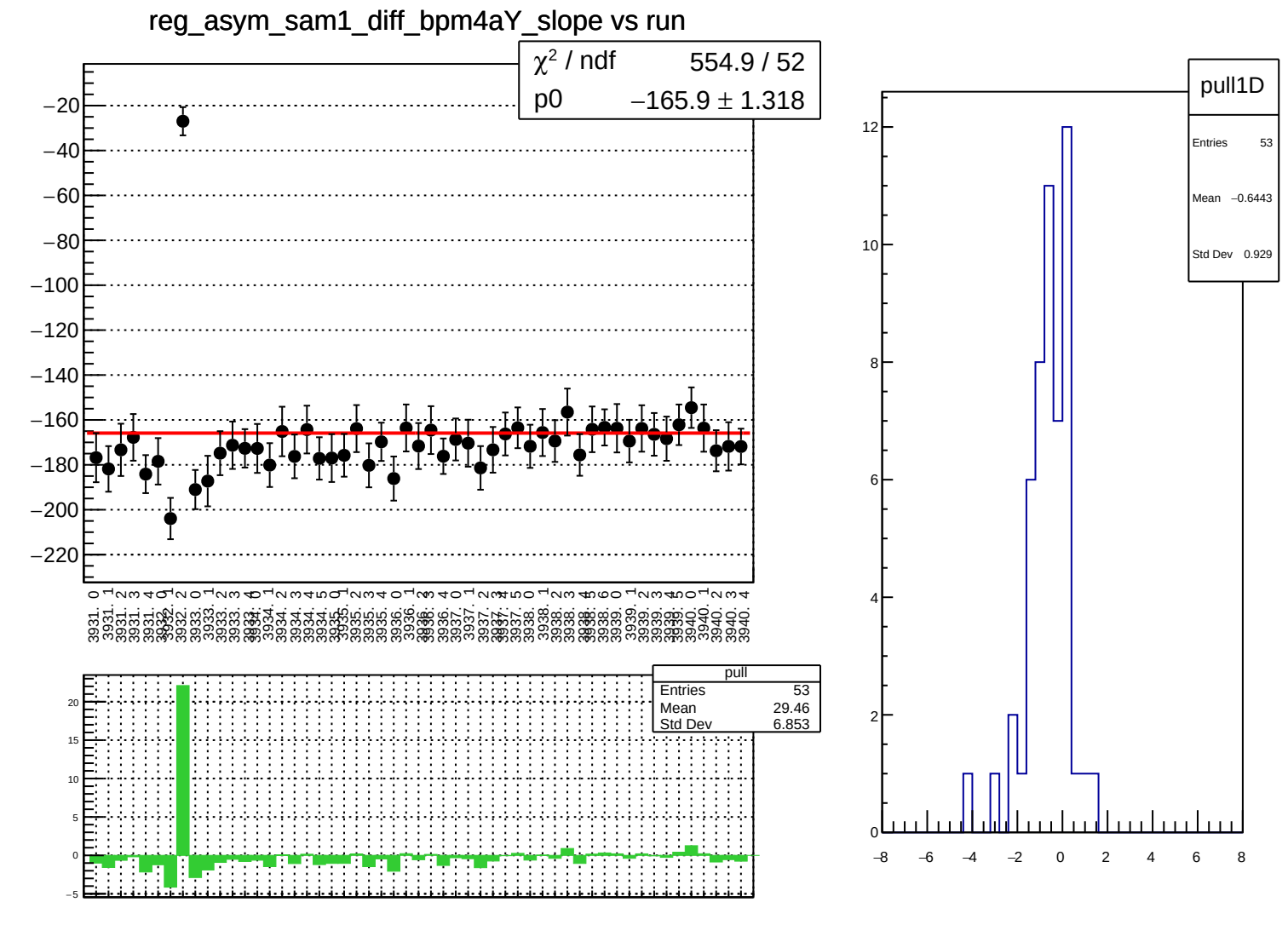

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 60.19 / 52
p0 5349 ± 4965
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean 568.5
Std Dev 526.3
2
1
0
−1
−2
−3

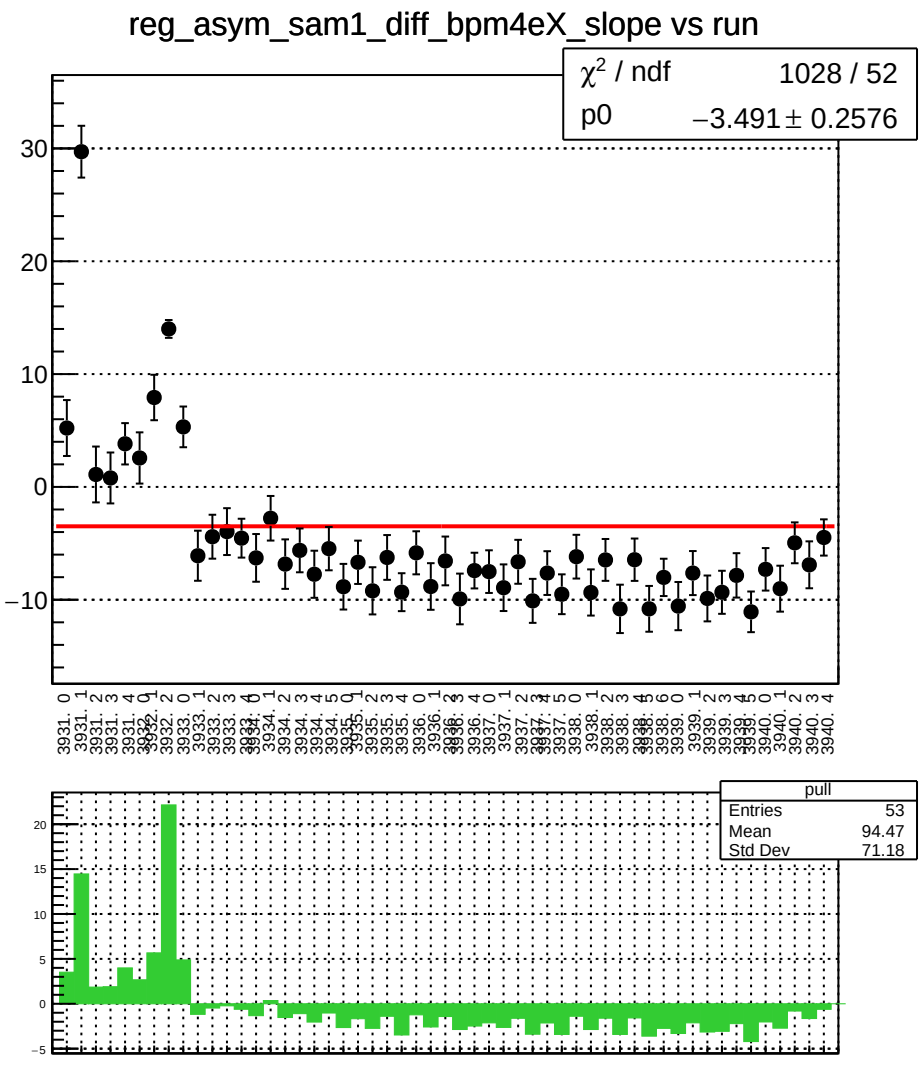

pull1D
Entries 53
Mean 0.002253
Std Dev 1.066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

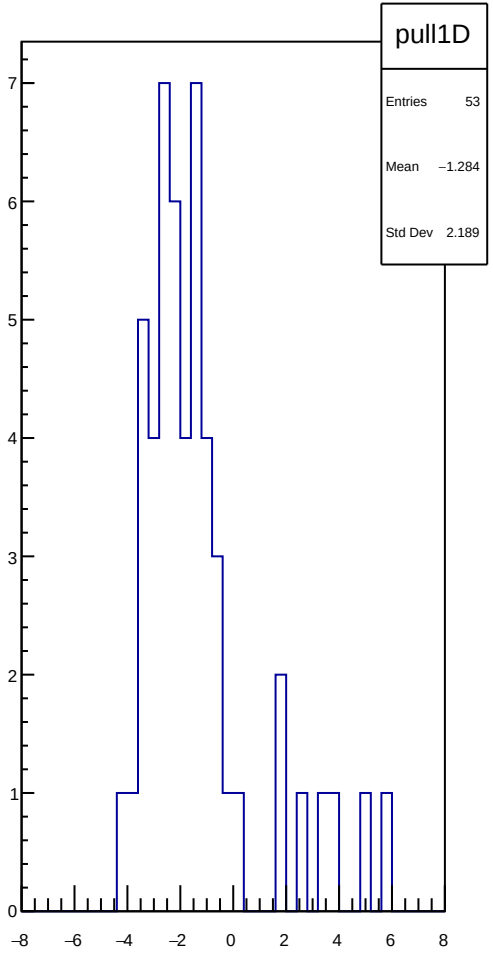

asym_sam_48_dd_correction_rms vs run
χ² / ndf 930.9 / 52
p0 3564 ± 3.511
3800
3700
3600
3500
3400
3300
3200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

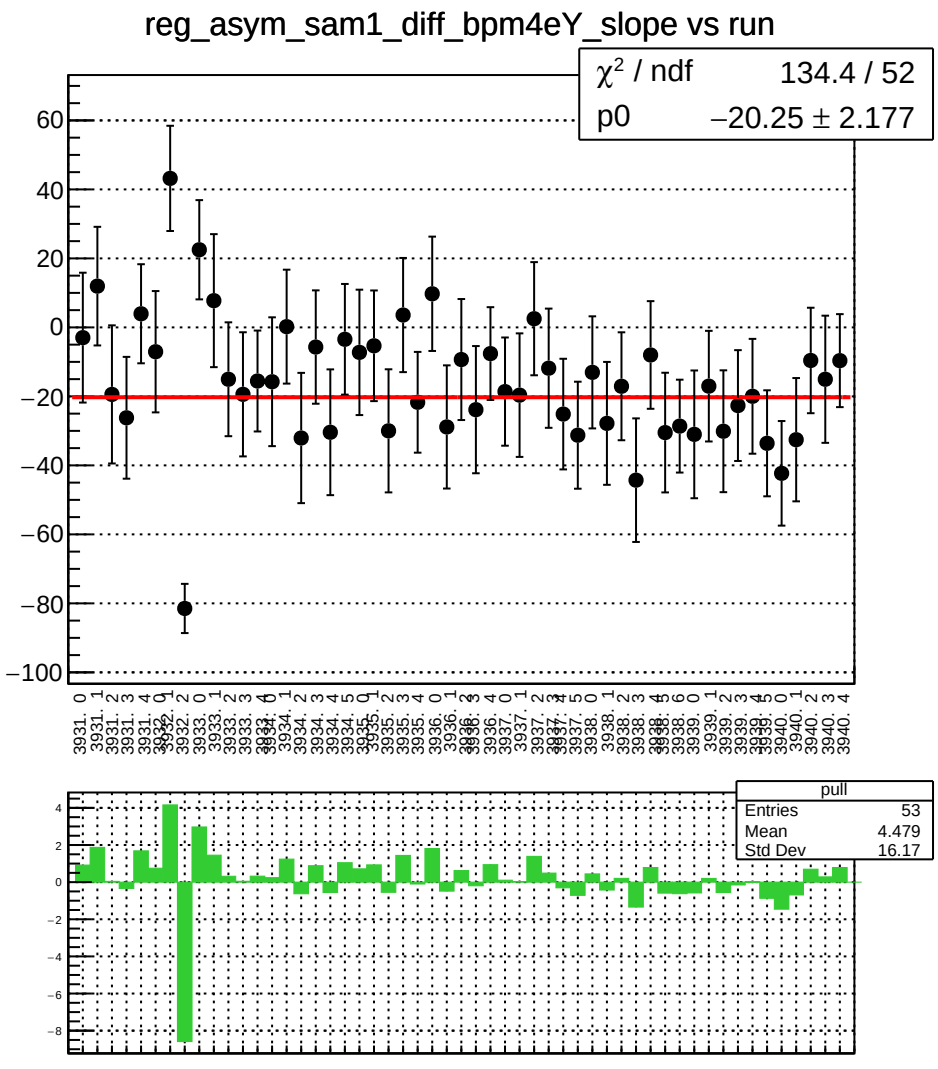

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 400.9 / 52
p0 −14.12 ± 1.655
pull
Entries 53
Mean 47.3
Std Dev 19.46

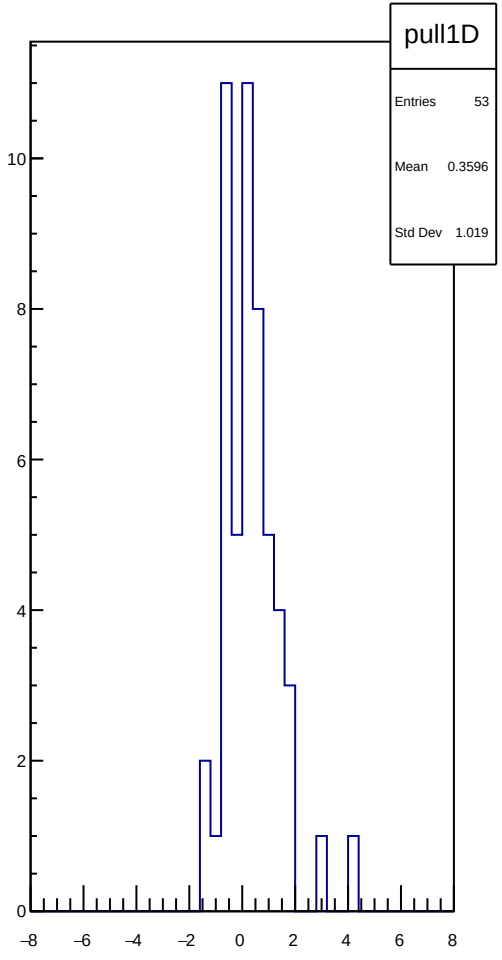

pull1D
Entries 53
Mean 0.9233
Std Dev 0.7623

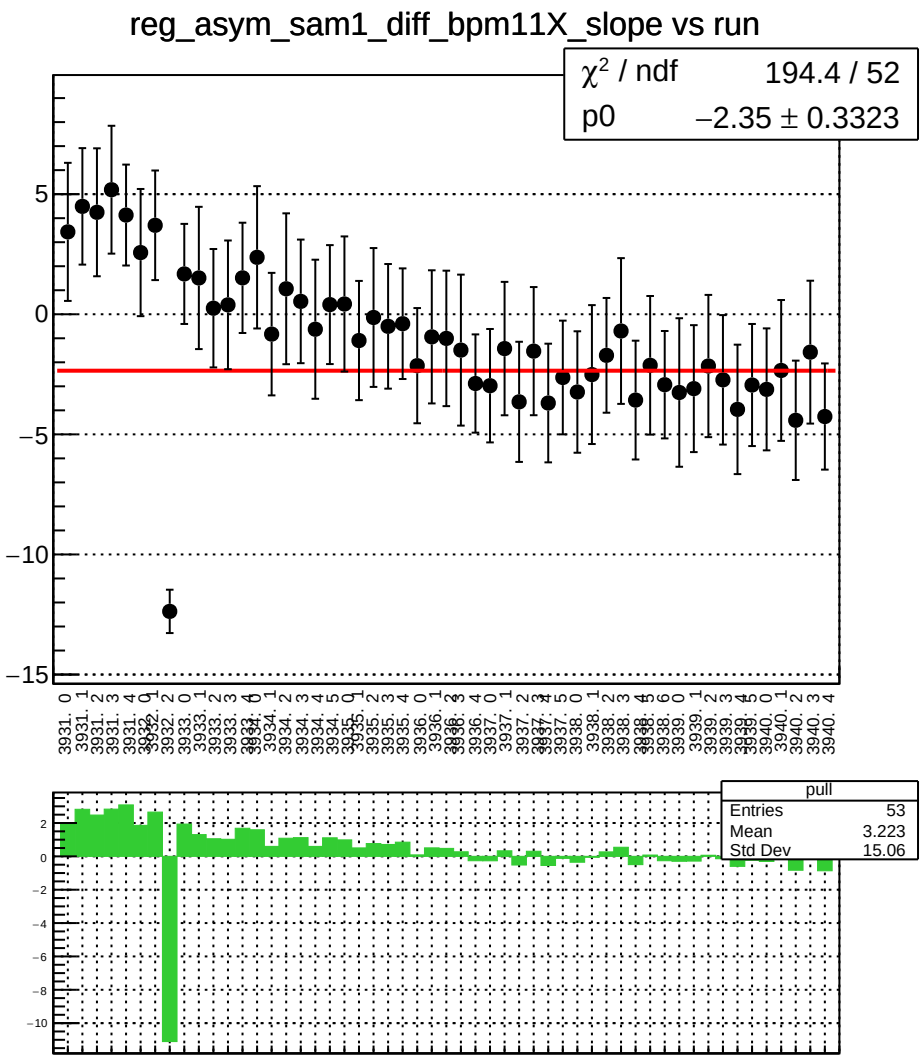

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 554.9 / 52
p0 −165.9 ± 1.318
pull
Entries 53
Mean 29.46
Std Dev 6.853
pull1D
Entries 53
Mean −0.6443
Std Dev 0.929

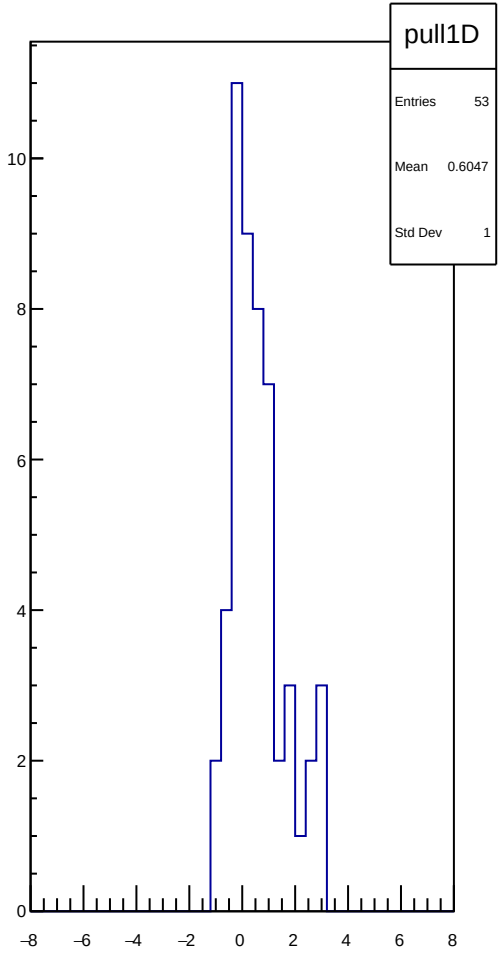

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1028 / 52
p0 −3.491 ± 0.2576
pull
Entries 53
Mean 94.47
Std Dev 71.18

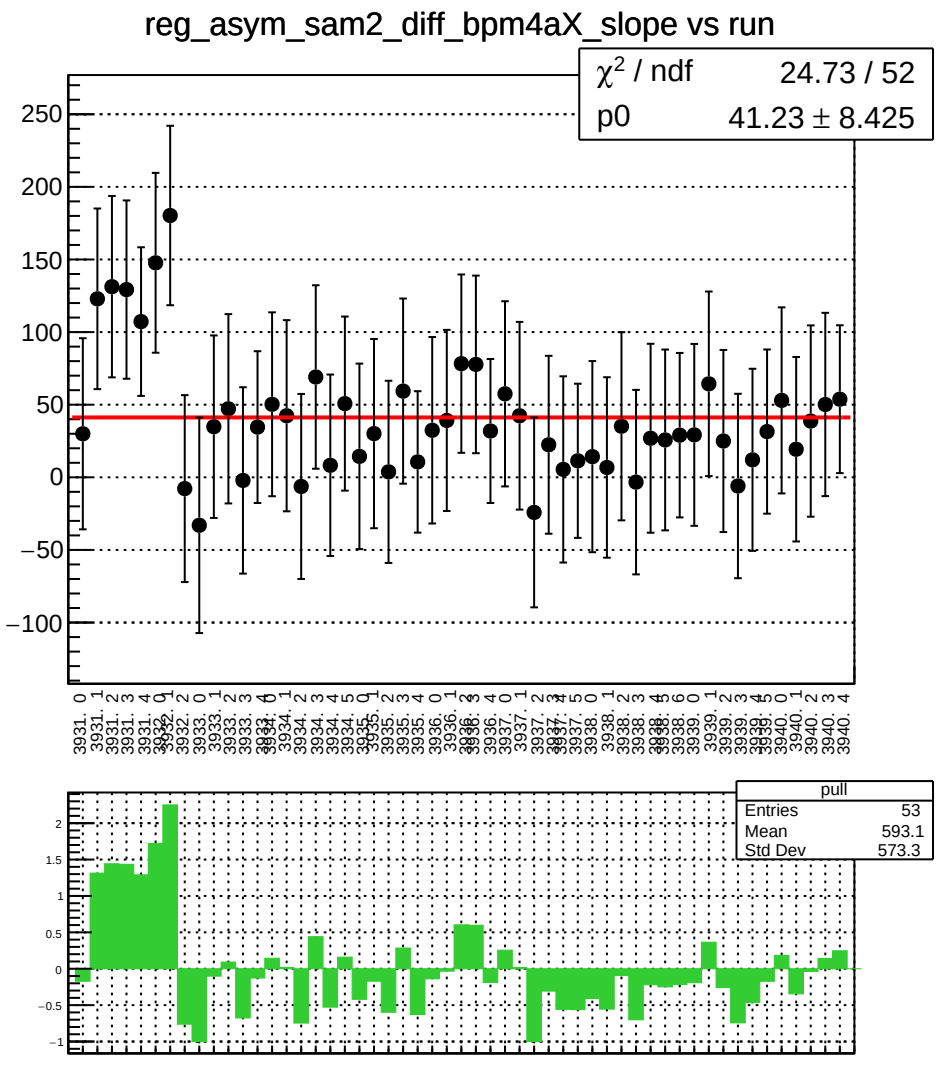

pull1D
Entries 53
Mean −1.284
Std Dev 2.189

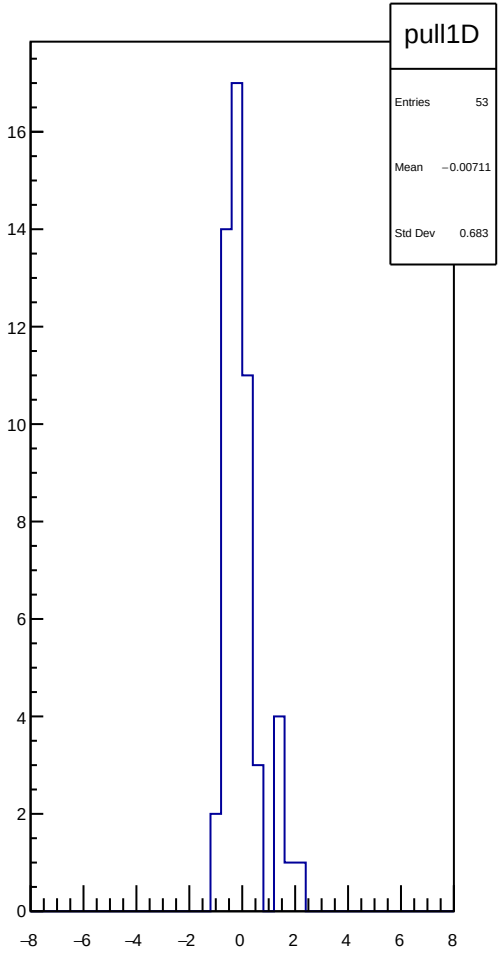

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 134.4 / 52
p0 −20.25 ± 2.177
pull
Entries 53
Mean 4.479
Std Dev 16.17

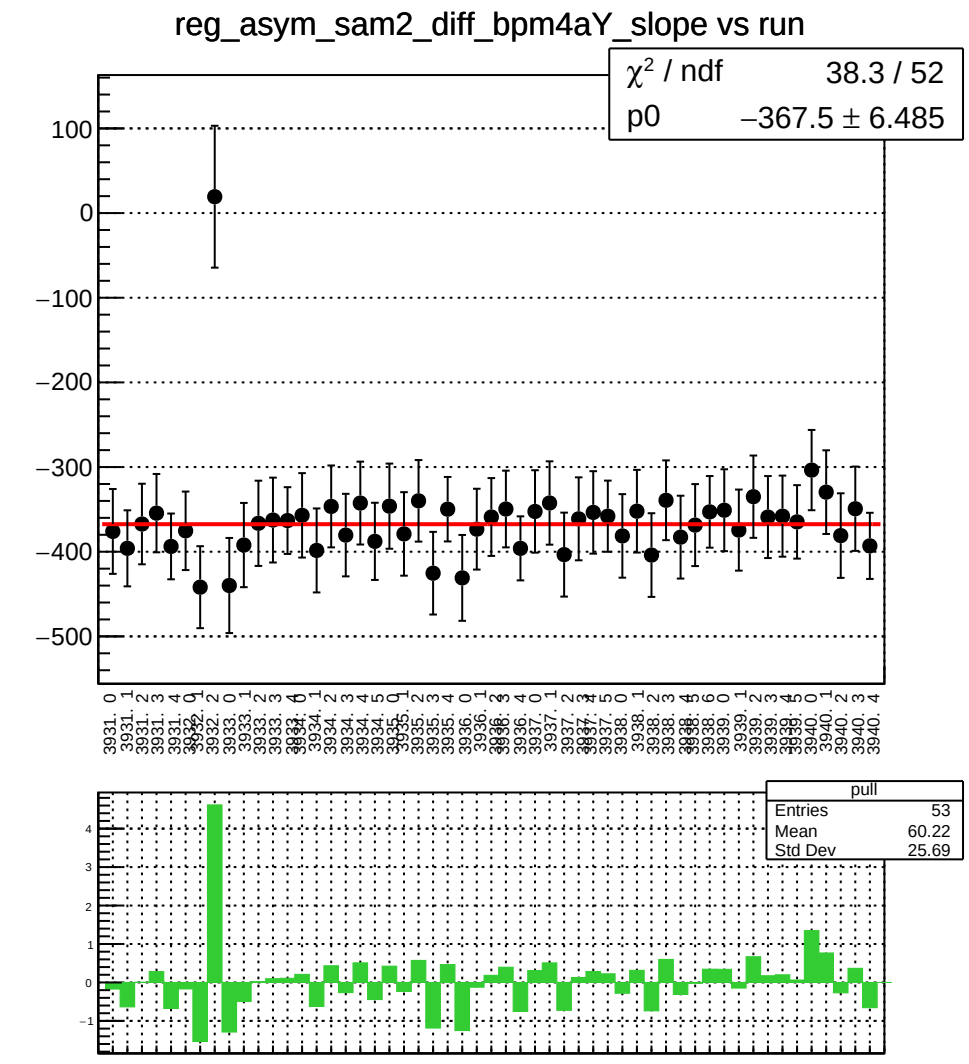

pull1D
Entries 53
Mean 0.3596
Std Dev 1.019

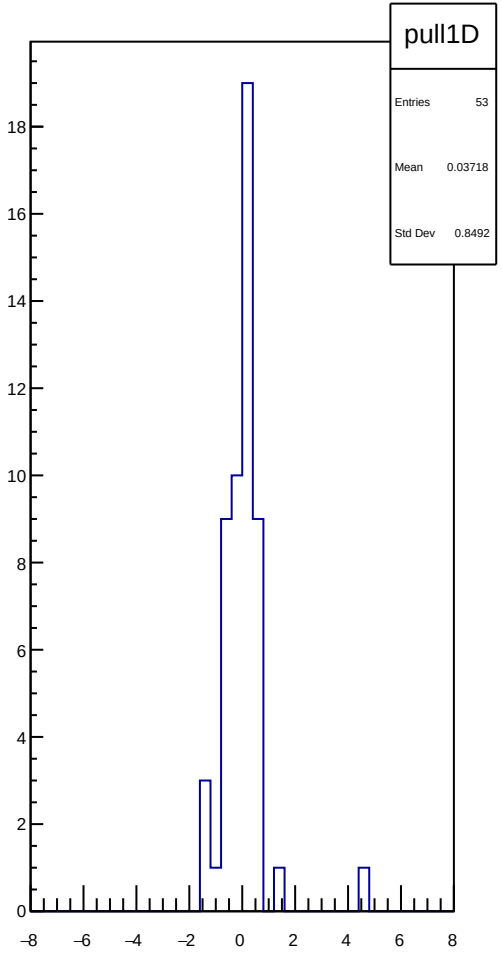

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 194.4 / 52
p0 −2.35 ± 0.3323
pull
Entries 53
Mean 3.223
Std Dev 15.06

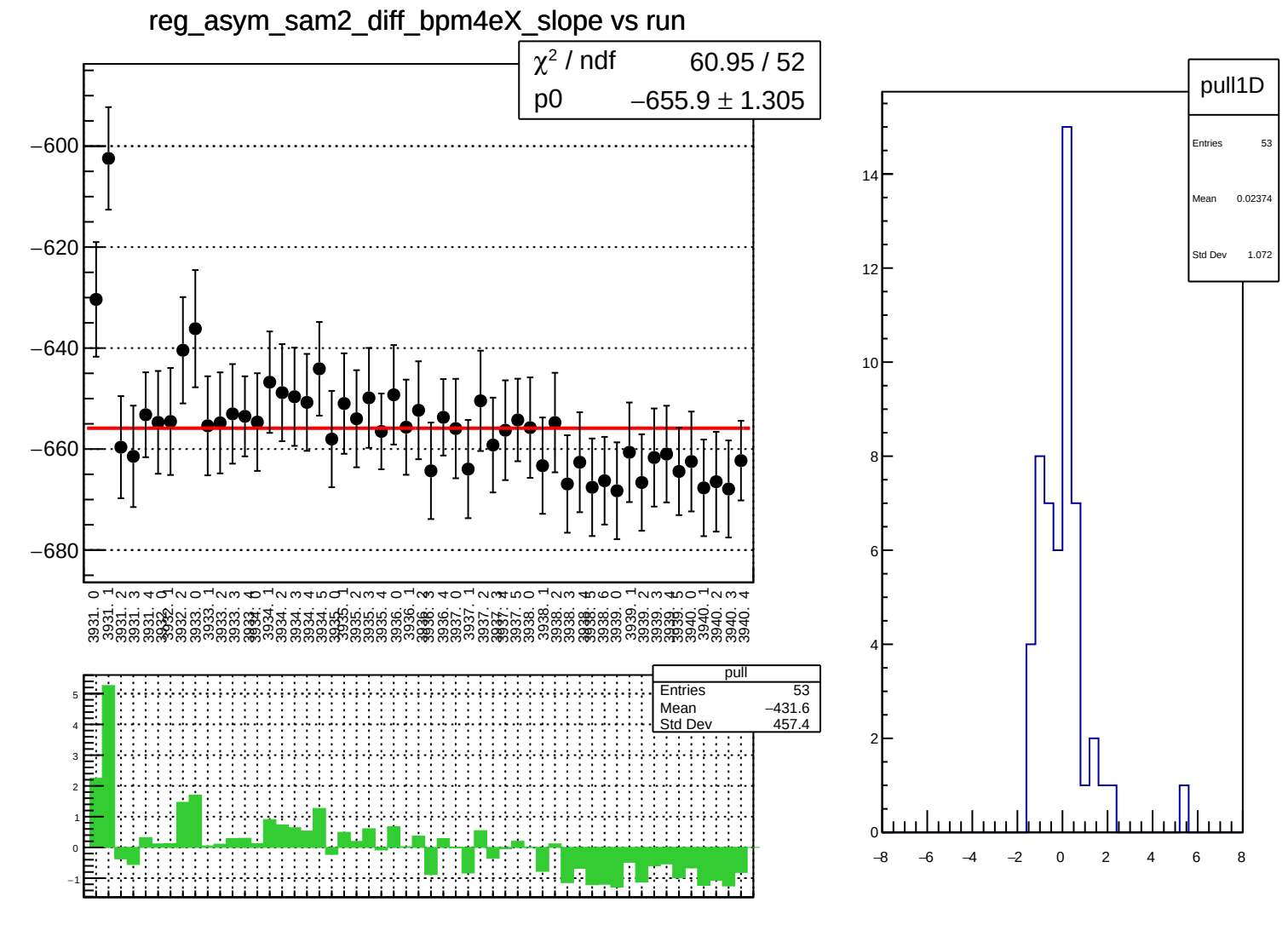

pull1D
Entries 53
Mean 0.6047
Std Dev 1

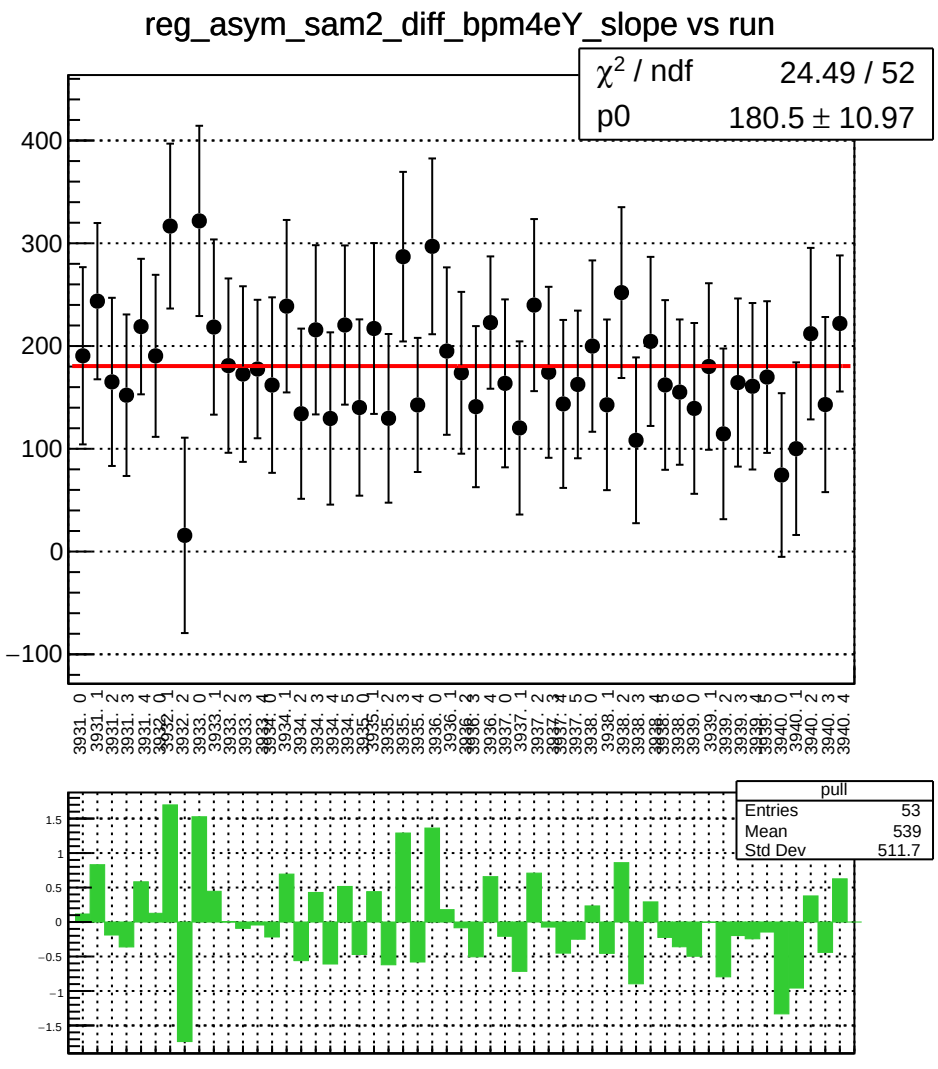

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 24.73 / 52
p0 41.23 ± 8.425
pull
Entries 53
Mean 593.1
Std Dev 573.3

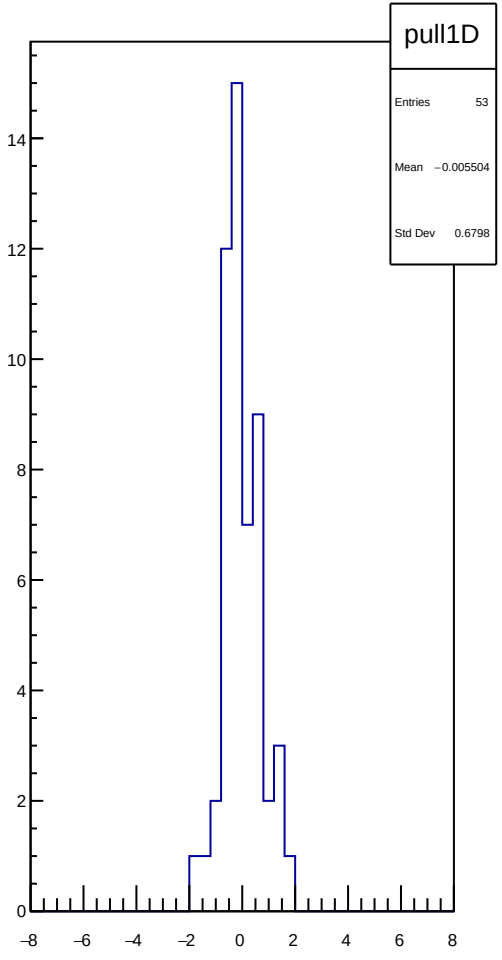

pull1D
Entries 53
Mean −0.00711
Std Dev 0.683

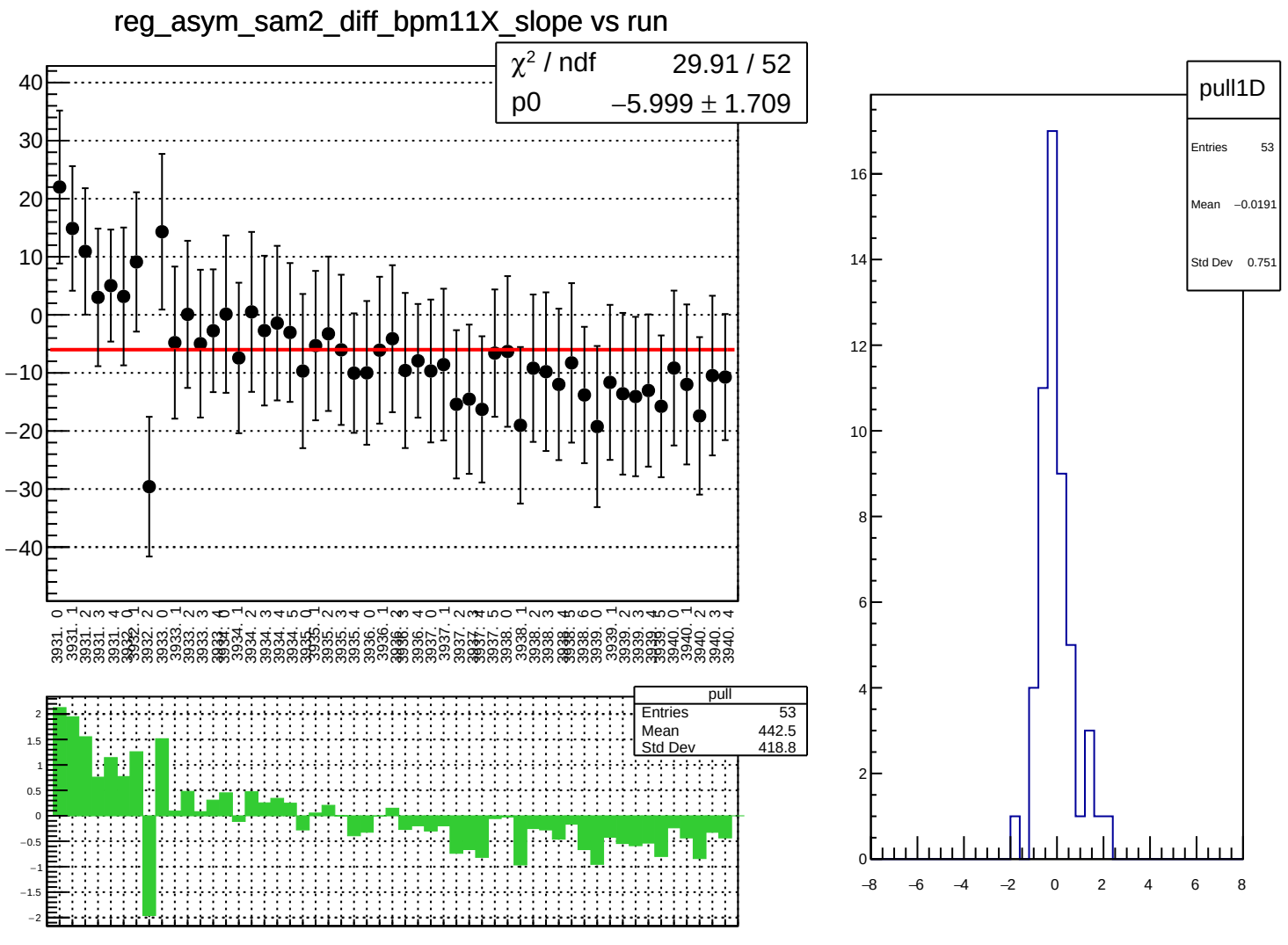

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 38.3 / 52
p0 −367.5 ± 6.485
pull
Entries 53
Mean 60.22
Std Dev 25.69

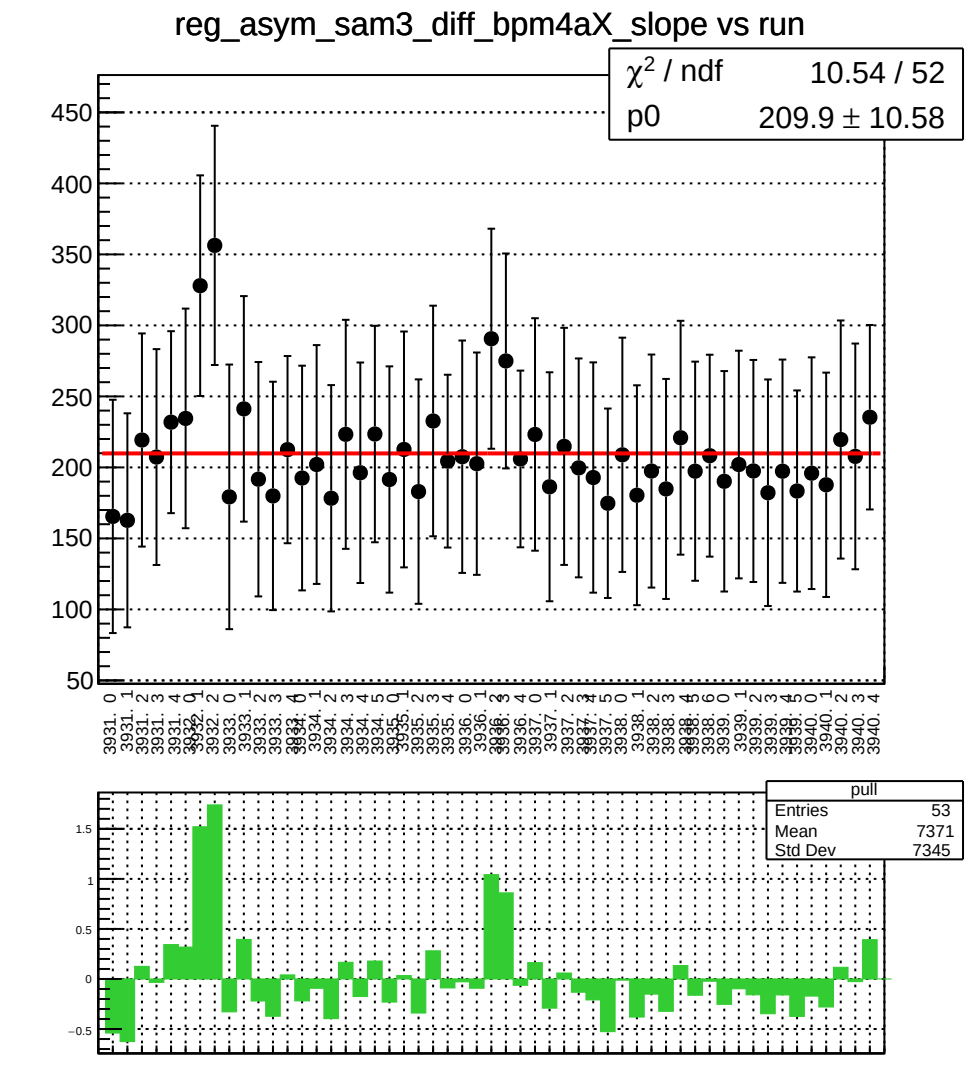

pull1D
Entries 53
Mean 0.03718
Std Dev 0.8492

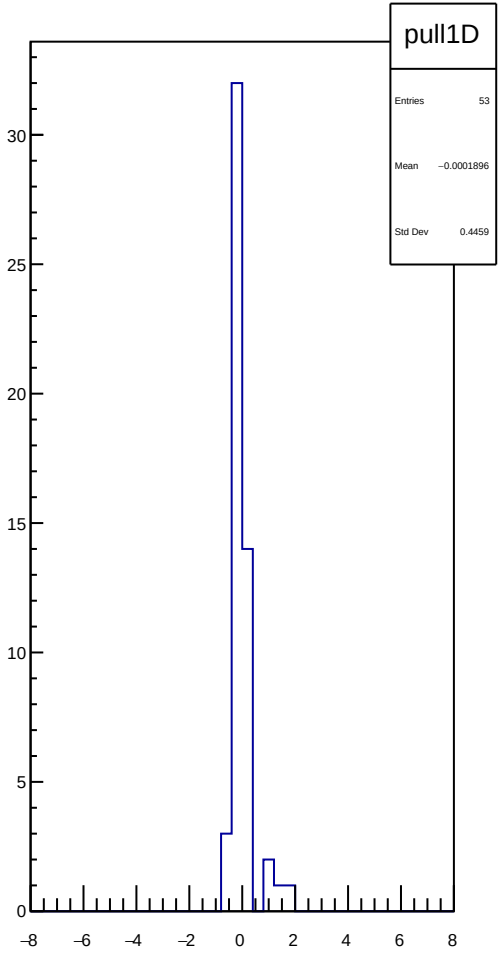

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 60.95 / 52
p0 −655.9 ± 1.305
−600
−620
−640
−660
−680
pull
Entries 53
Mean −431.6
Std Dev 457.4
pull1D
Entries 53
Mean 0.02374
Std Dev 1.072

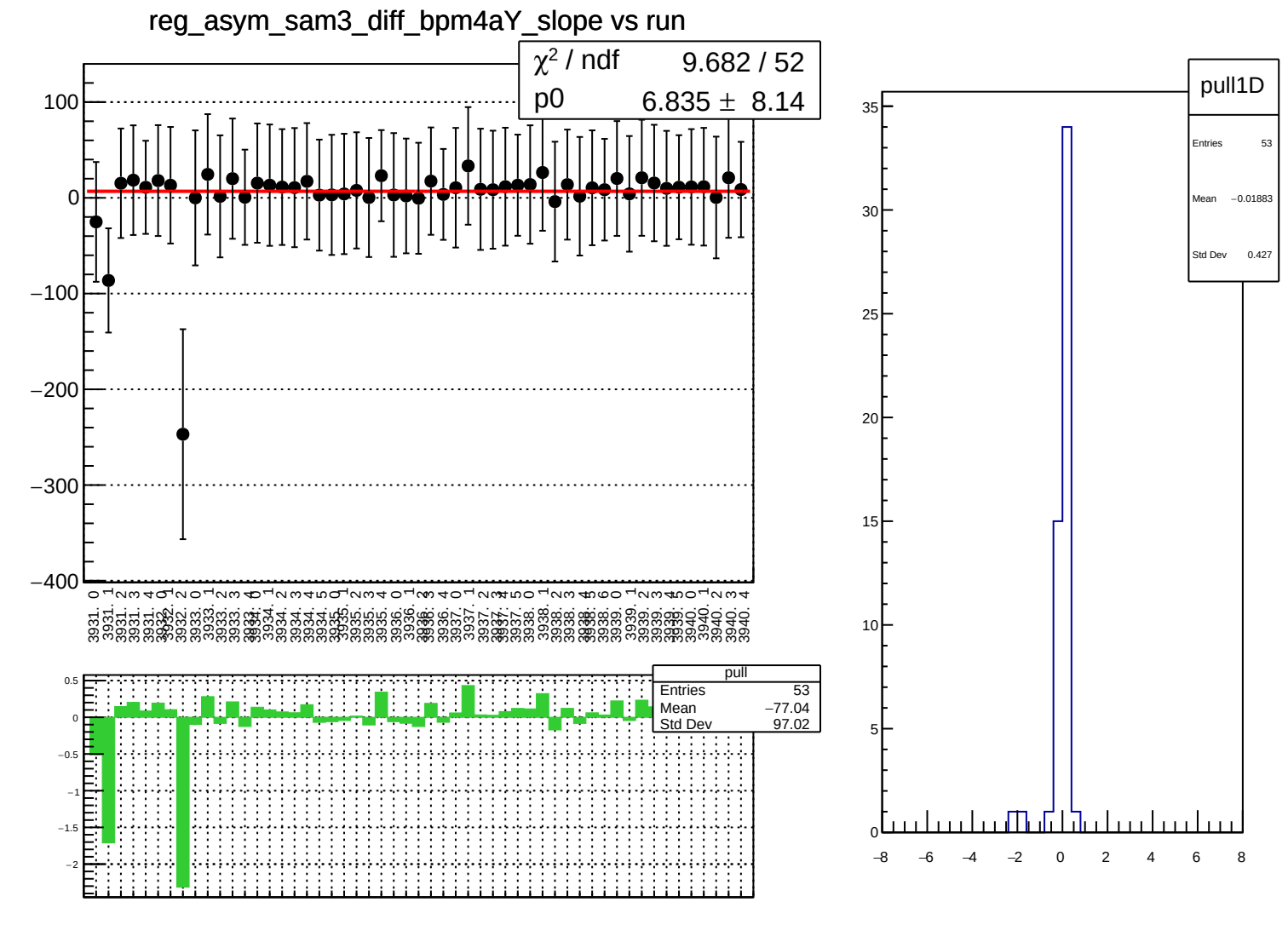

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 24.49 / 52
p0 180.5 ± 10.97
pull
Entries 53
Mean 539
Std Dev 511.7

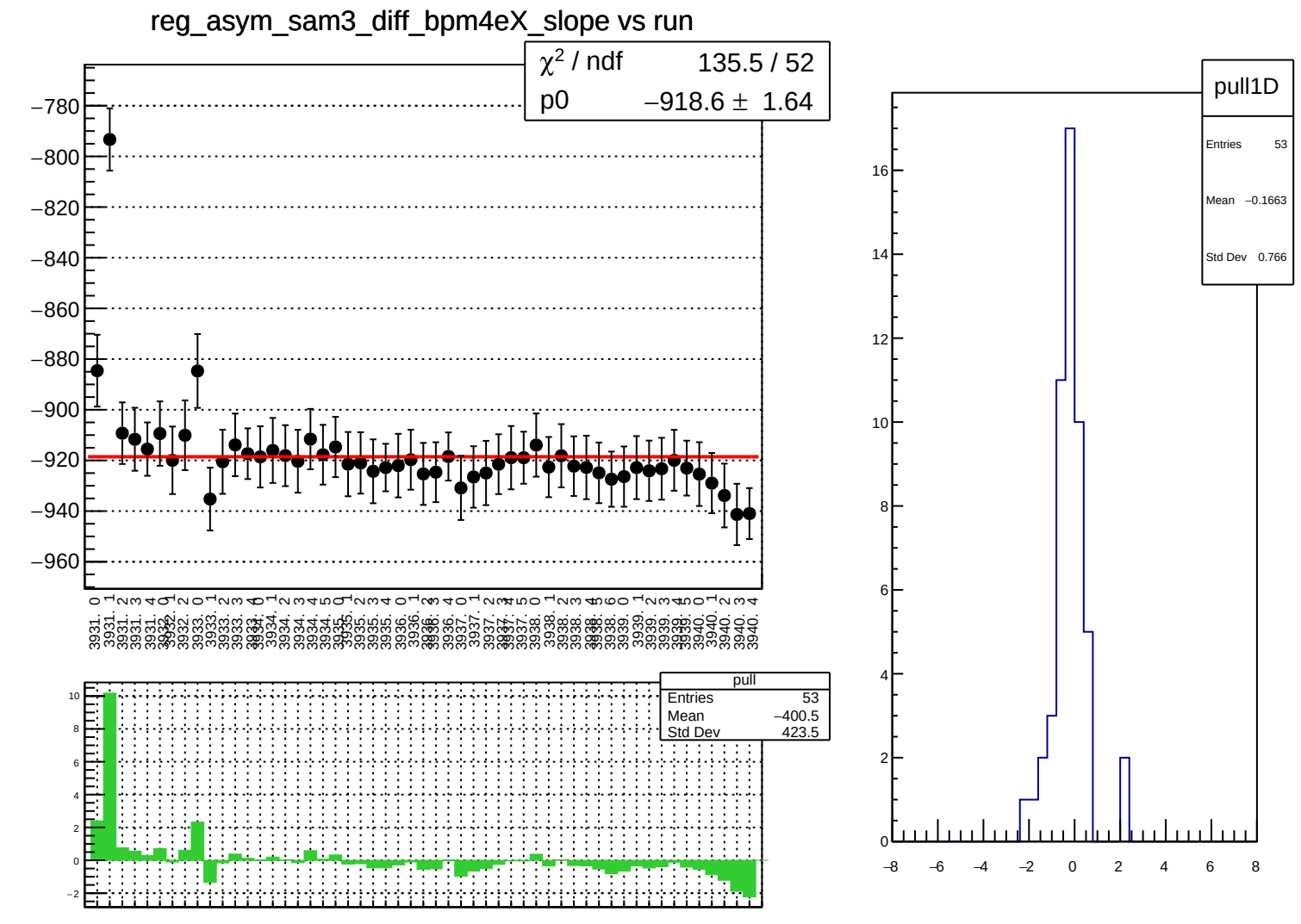

pull1D
Entries 53
Mean −0.005504
Std Dev 0.6798

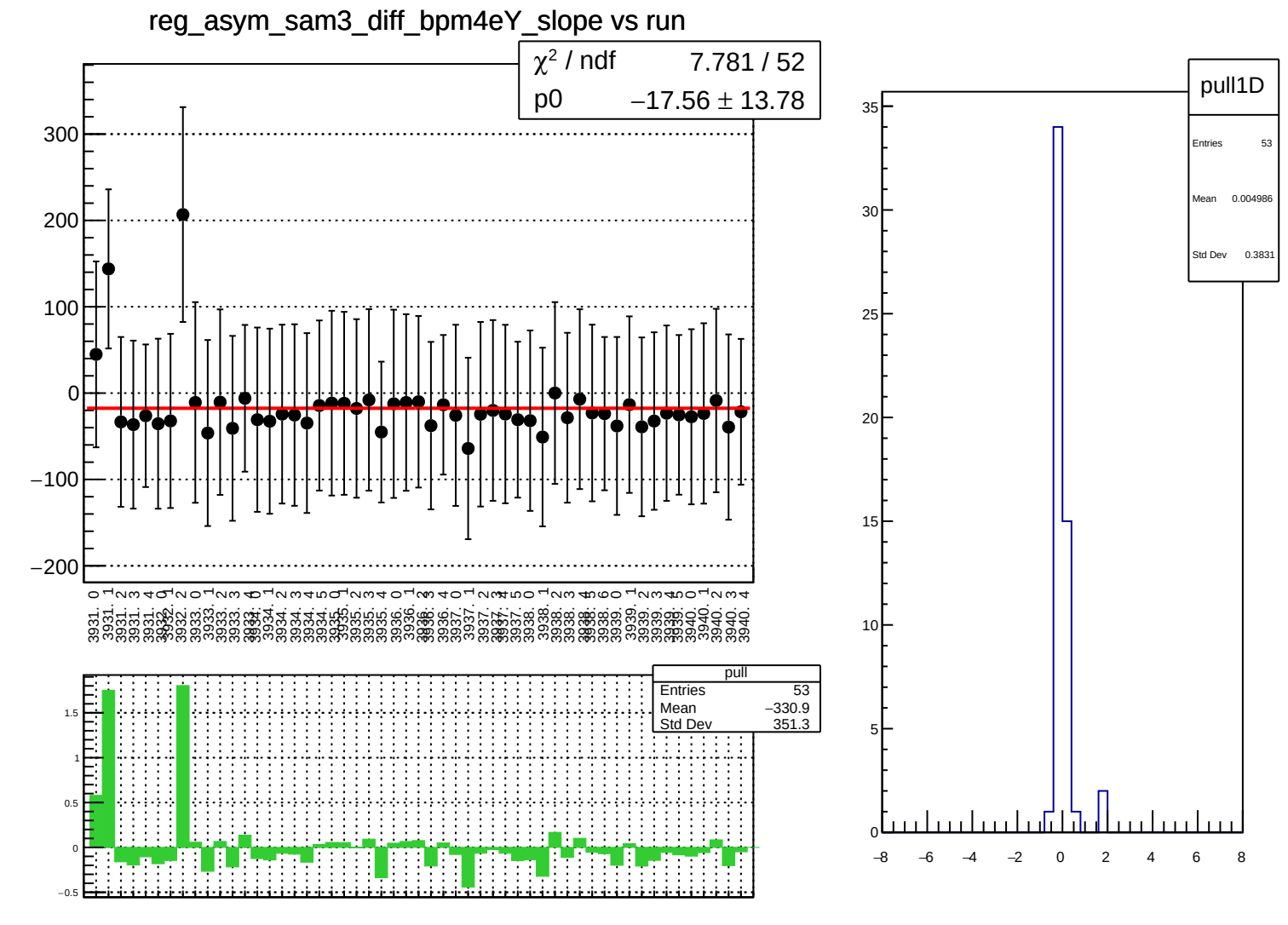

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 29.91 / 52
p0 −5.999 ± 1.709
pull
Entries 53
Mean 442.5
Std Dev 418.8
pull1D
Entries 53
Mean −0.0191
Std Dev 0.751

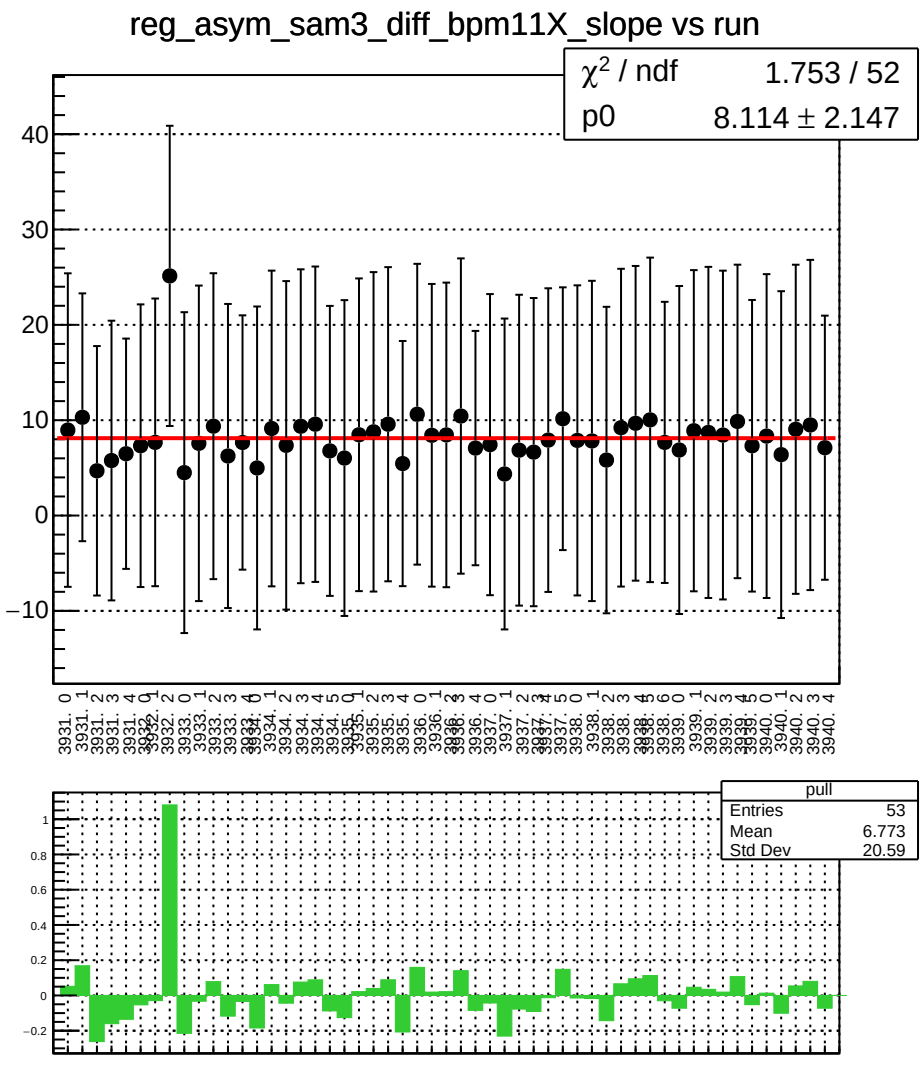

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 10.54 / 52
p0 209.9 ± 10.58
pull
Entries 53
Mean 7371
Std Dev 7345

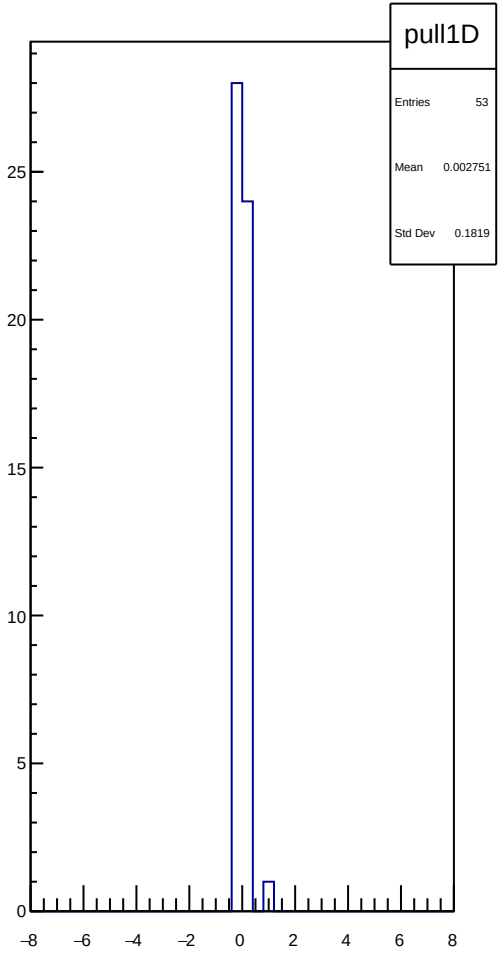

pull1D
Entries 53
Mean −0.0001896
Std Dev 0.4459

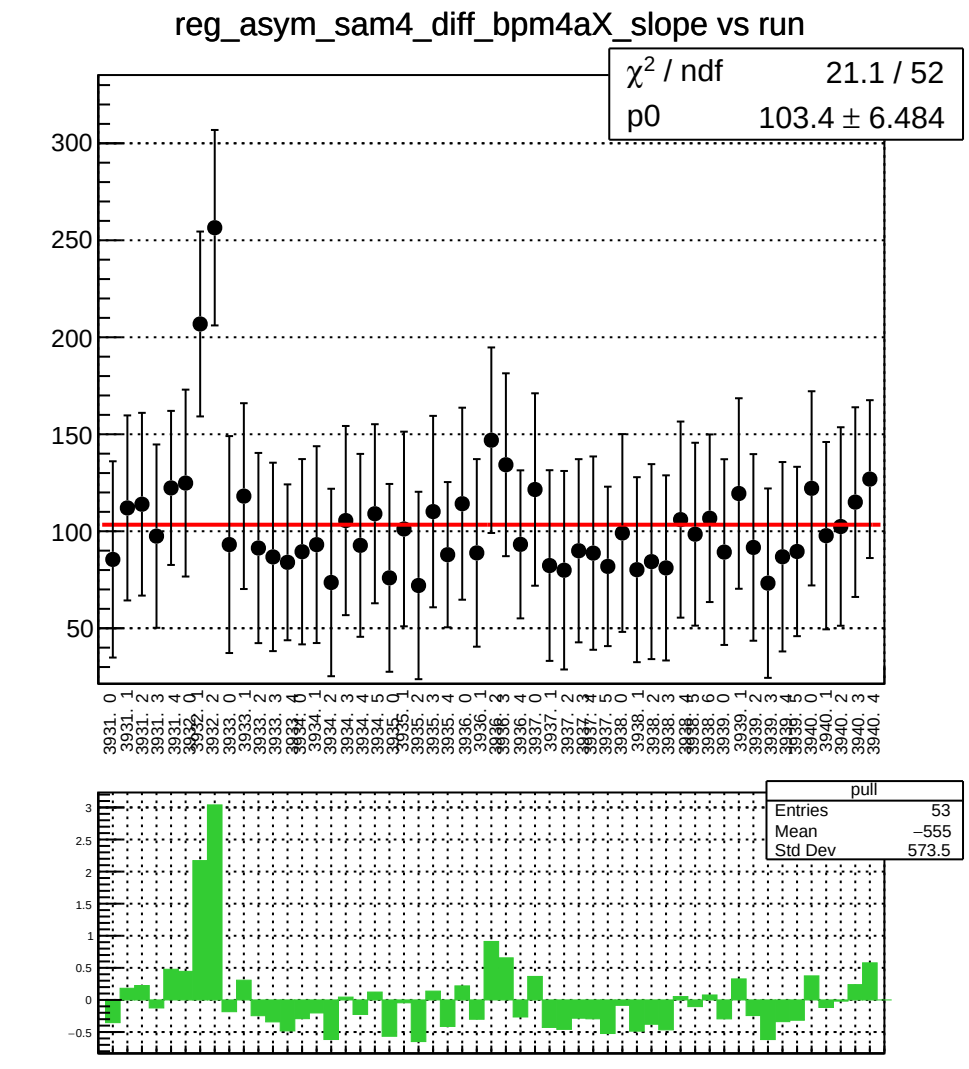

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 9.682 / 52
p0 6.835 ± 8.14
pull
Entries 53
Mean −77.04
Std Dev 97.02
pull1D
Entries 53
Mean −0.01883
Std Dev 0.427

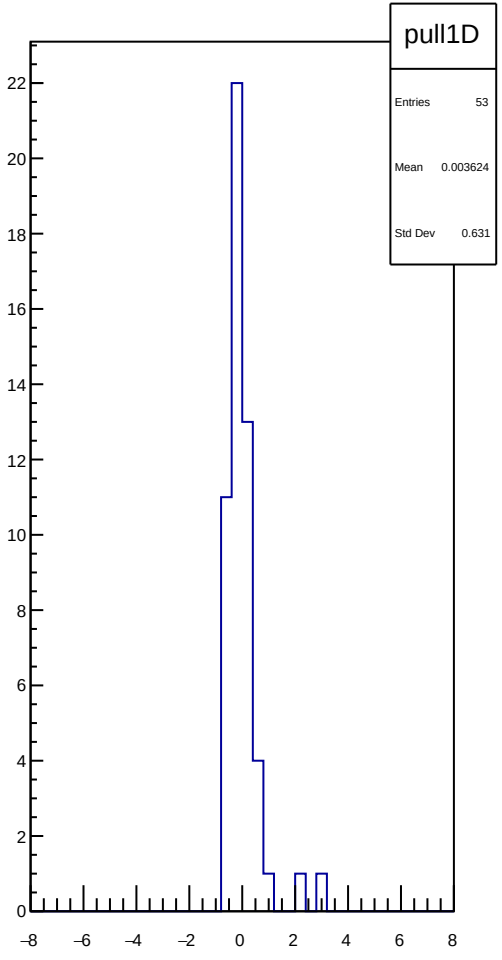

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 135.5 / 52
p0 −918.6 ± 1.64
pull
Entries 53
Mean −400.5
Std Dev 423.5
pull1D
Entries 53
Mean −0.1663
Std Dev 0.766

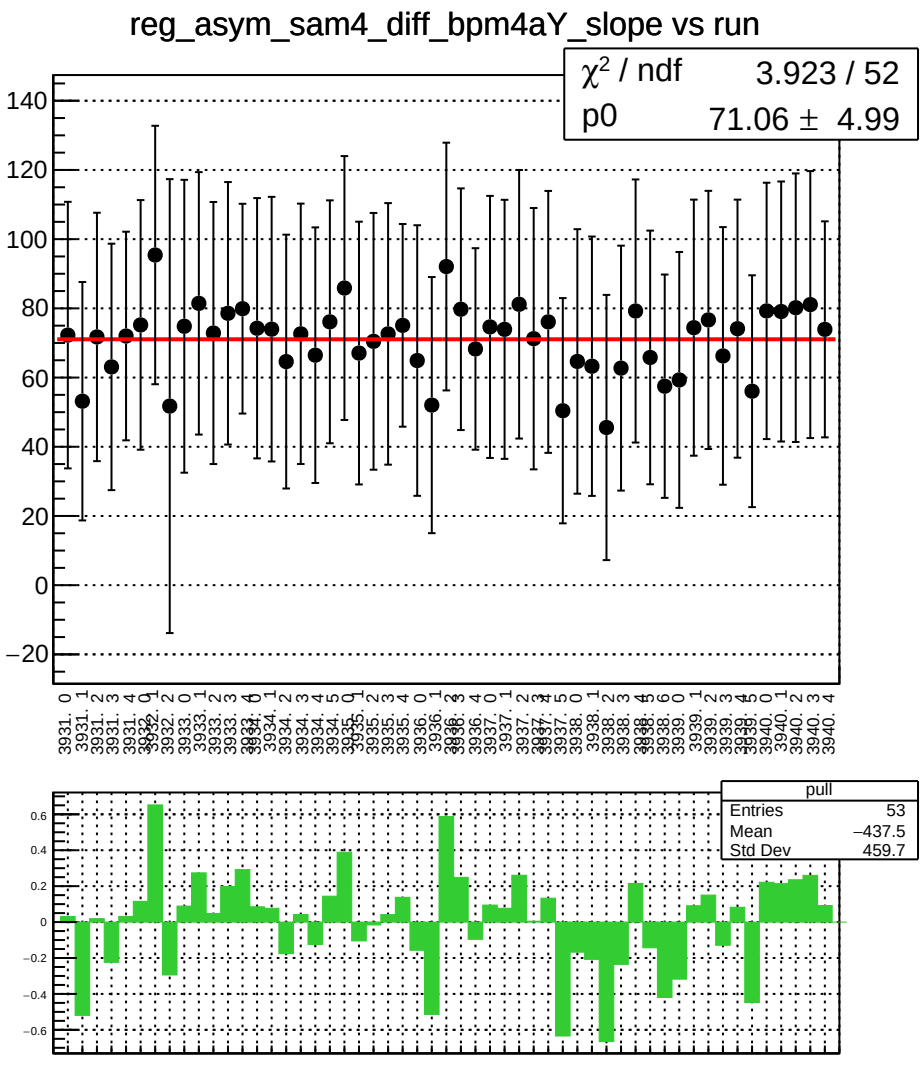

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 7.781 / 52
p0 −17.56 ± 13.78
pull
Entries 53
Mean −330.9
Std Dev 351.3
pull1D
Entries 53
Mean 0.004986
Std Dev 0.3831

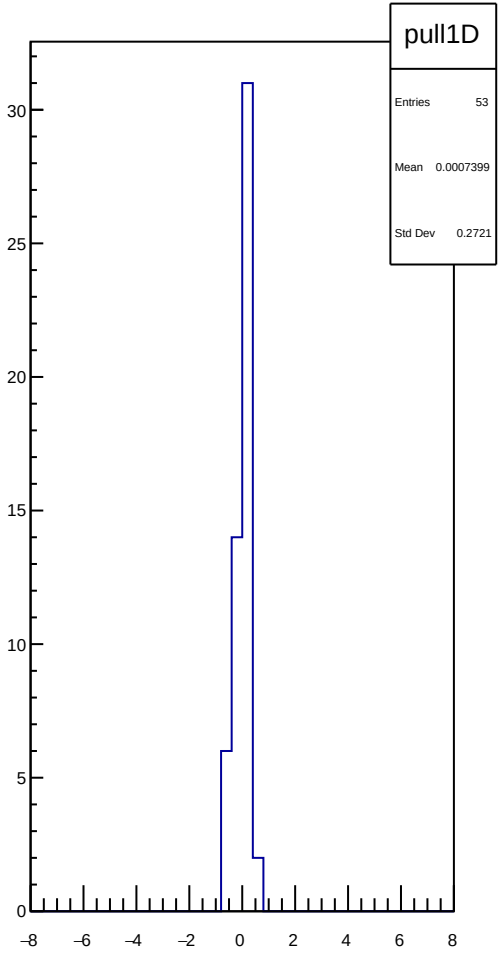

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 1.753 / 52
p0 8.114 ± 2.147
pull
Entries 53
Mean 6.773
Std Dev 20.59

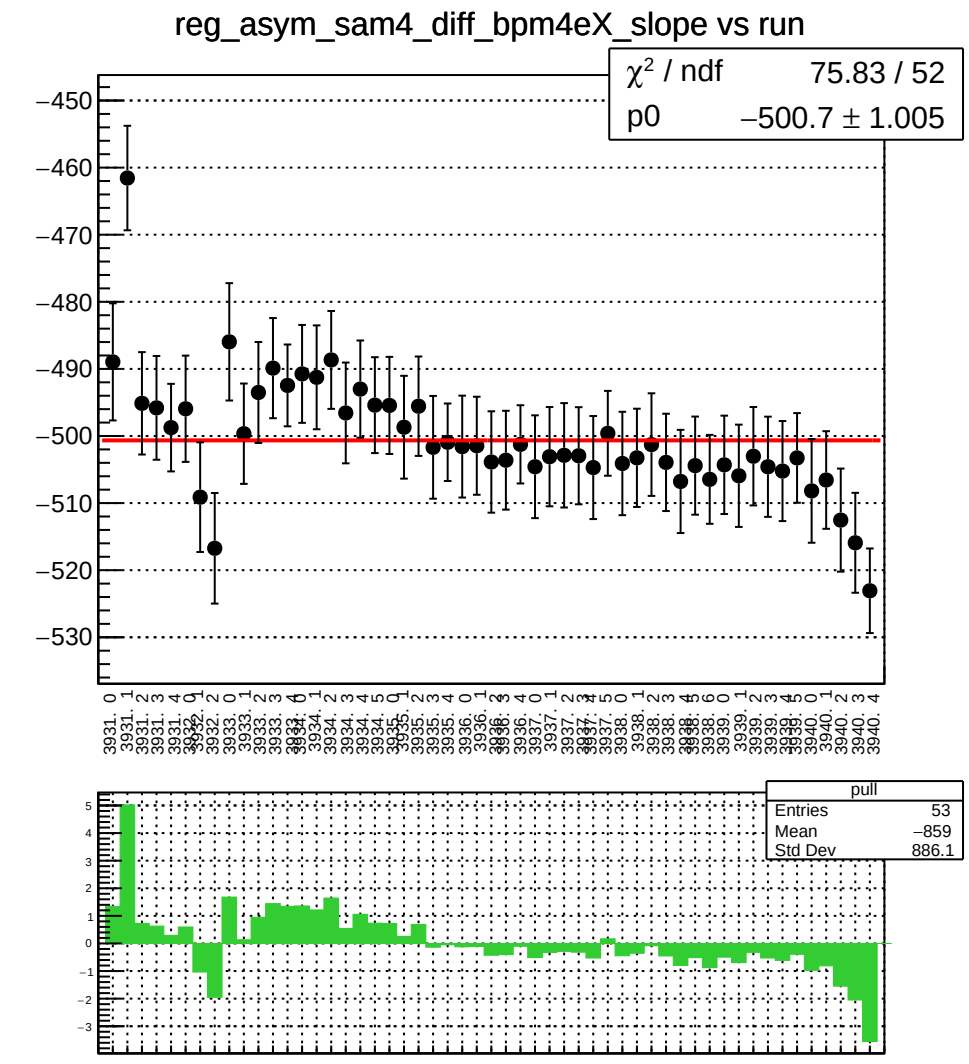

pull1D
Entries 53
Mean 0.002751
Std Dev 0.1819

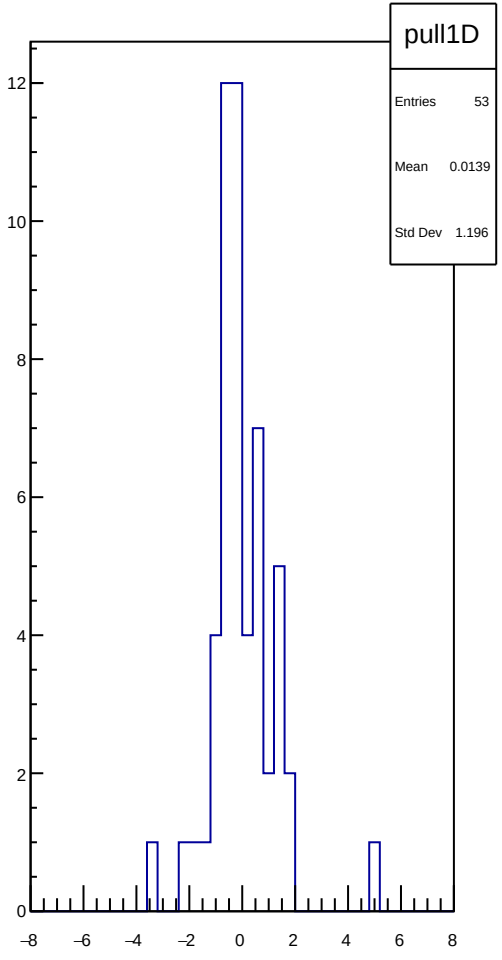

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 21.1 / 52
p0 103.4 ± 6.484
pull
Entries 53
Mean −555
Std Dev 573.5

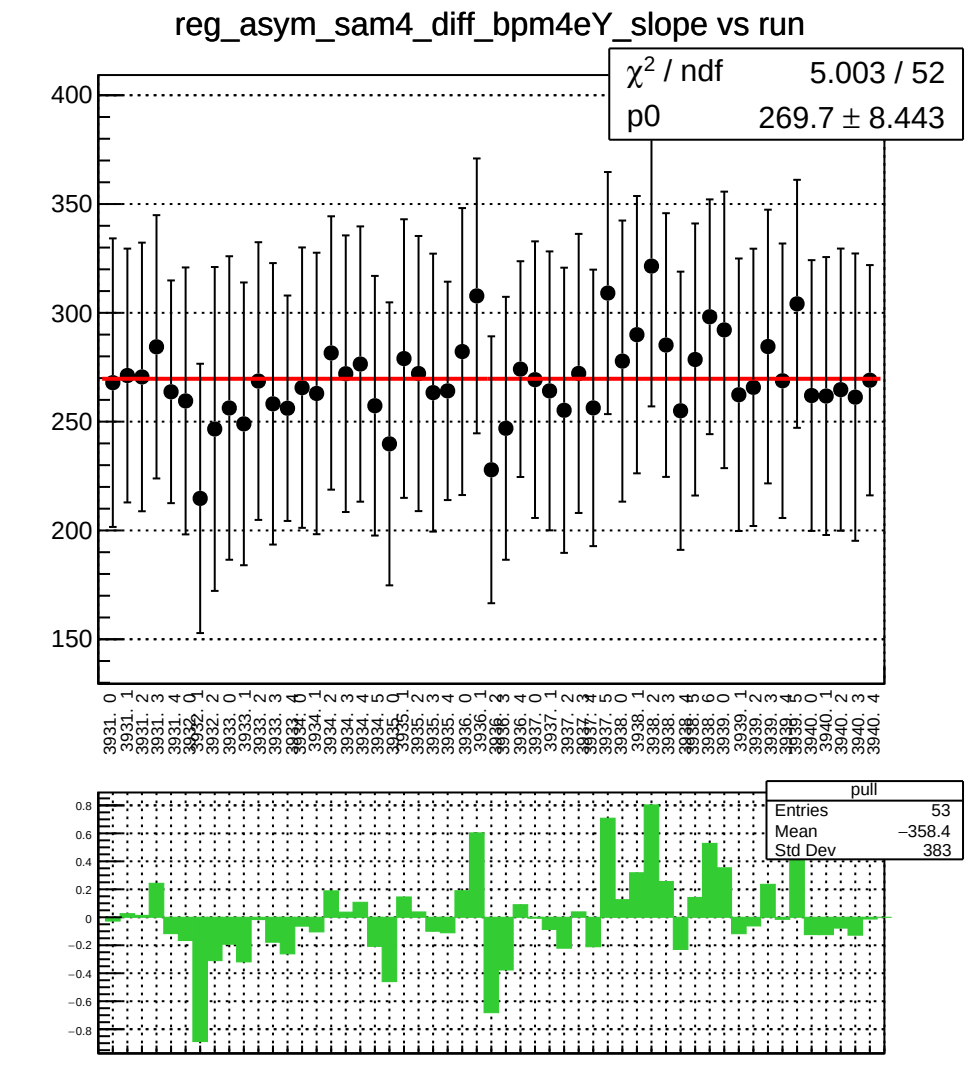

pull1D
Entries 53
Mean 0.003624
Std Dev 0.631

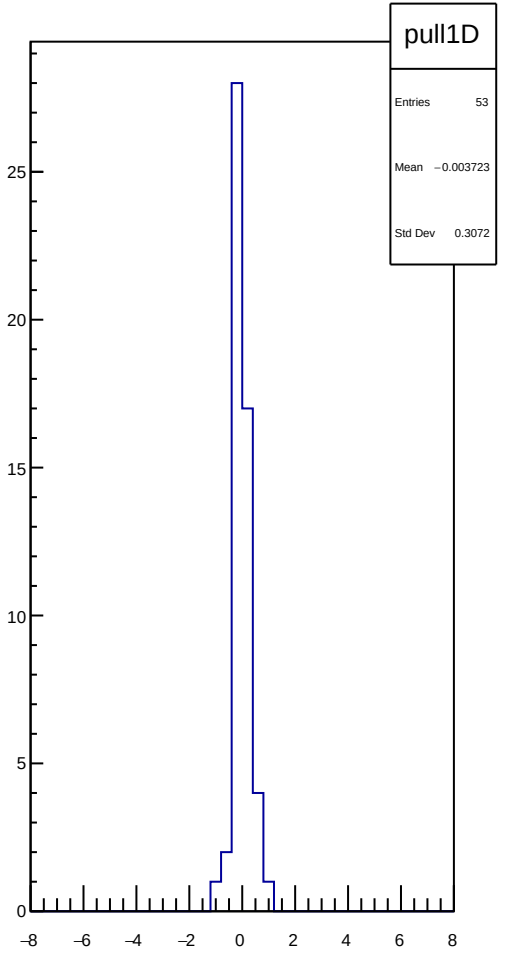

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 3.923 / 52
p0 71.06 ± 4.99
pull
Entries 53
Mean −437.5
Std Dev 459.7

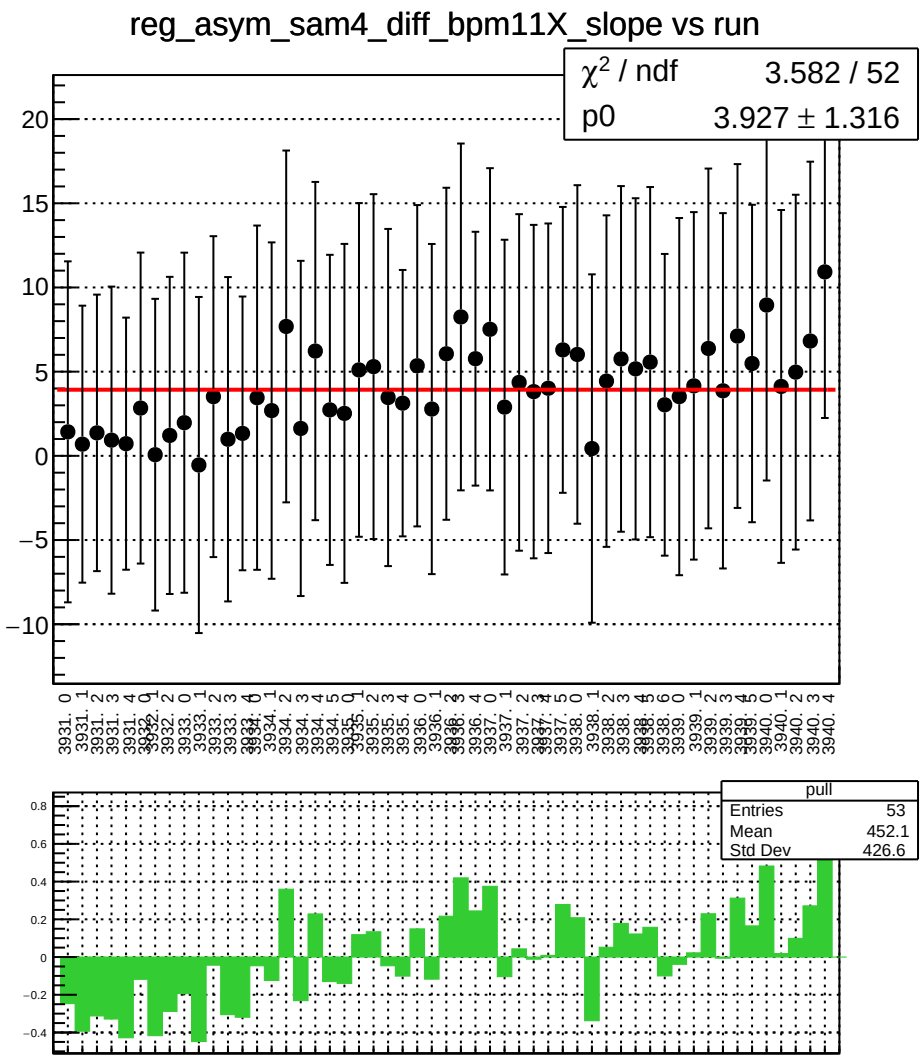

pull1D
Entries 53
Mean 0.0007399
Std Dev 0.2721

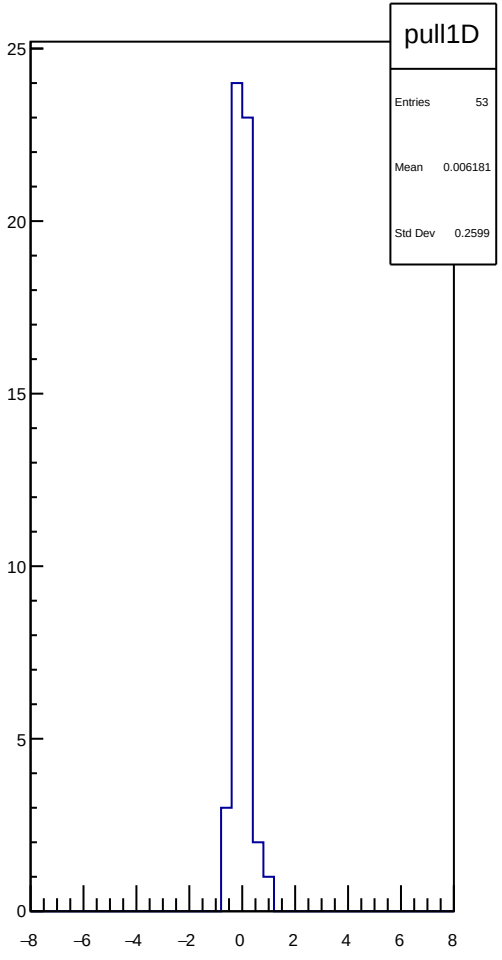

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 75.83 / 52
p0 −500.7 ± 1.005
pull
Entries 53
Mean −859
Std Dev 886.1

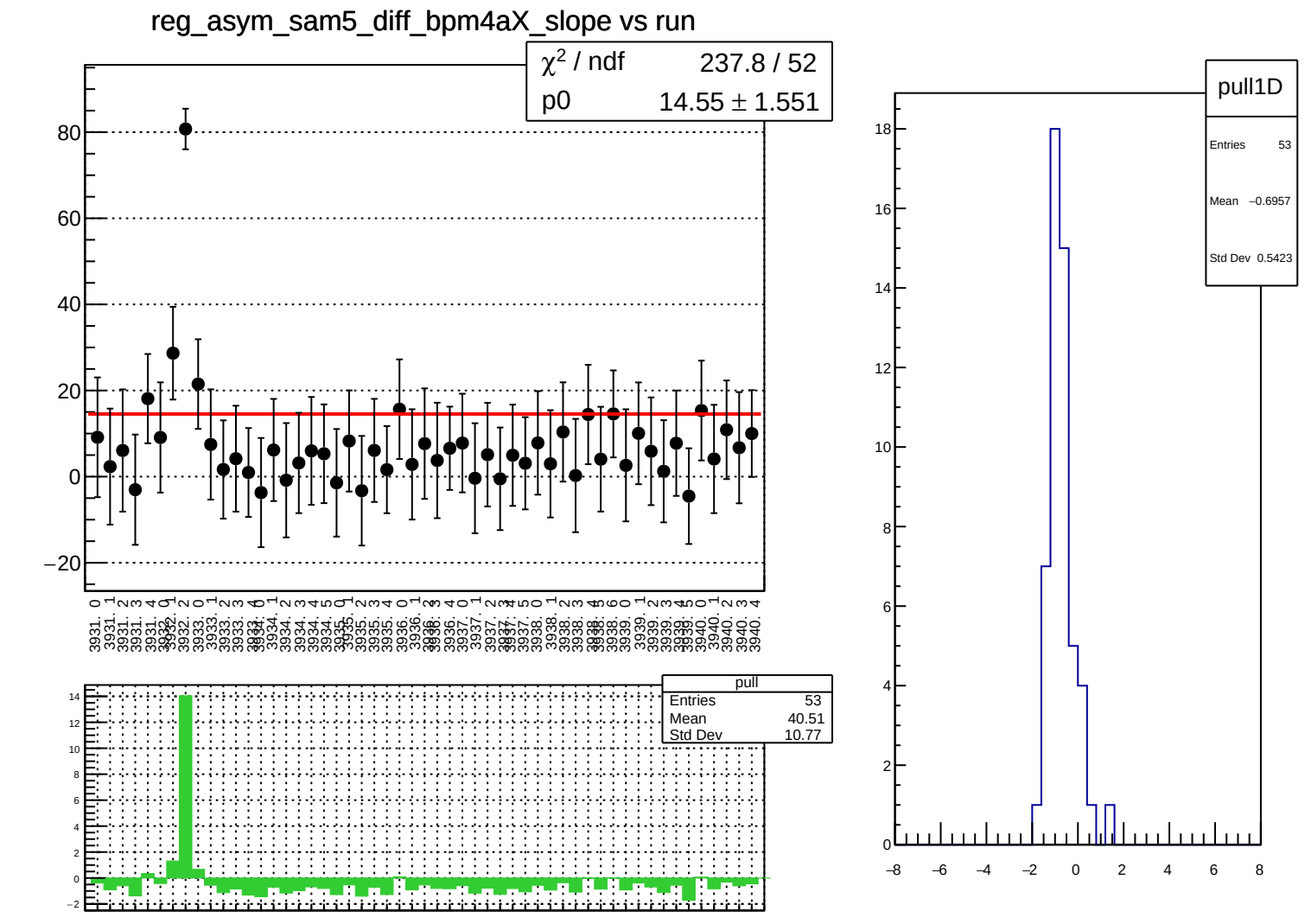

pull1D
Entries 53
Mean 0.0139
Std Dev 1.196

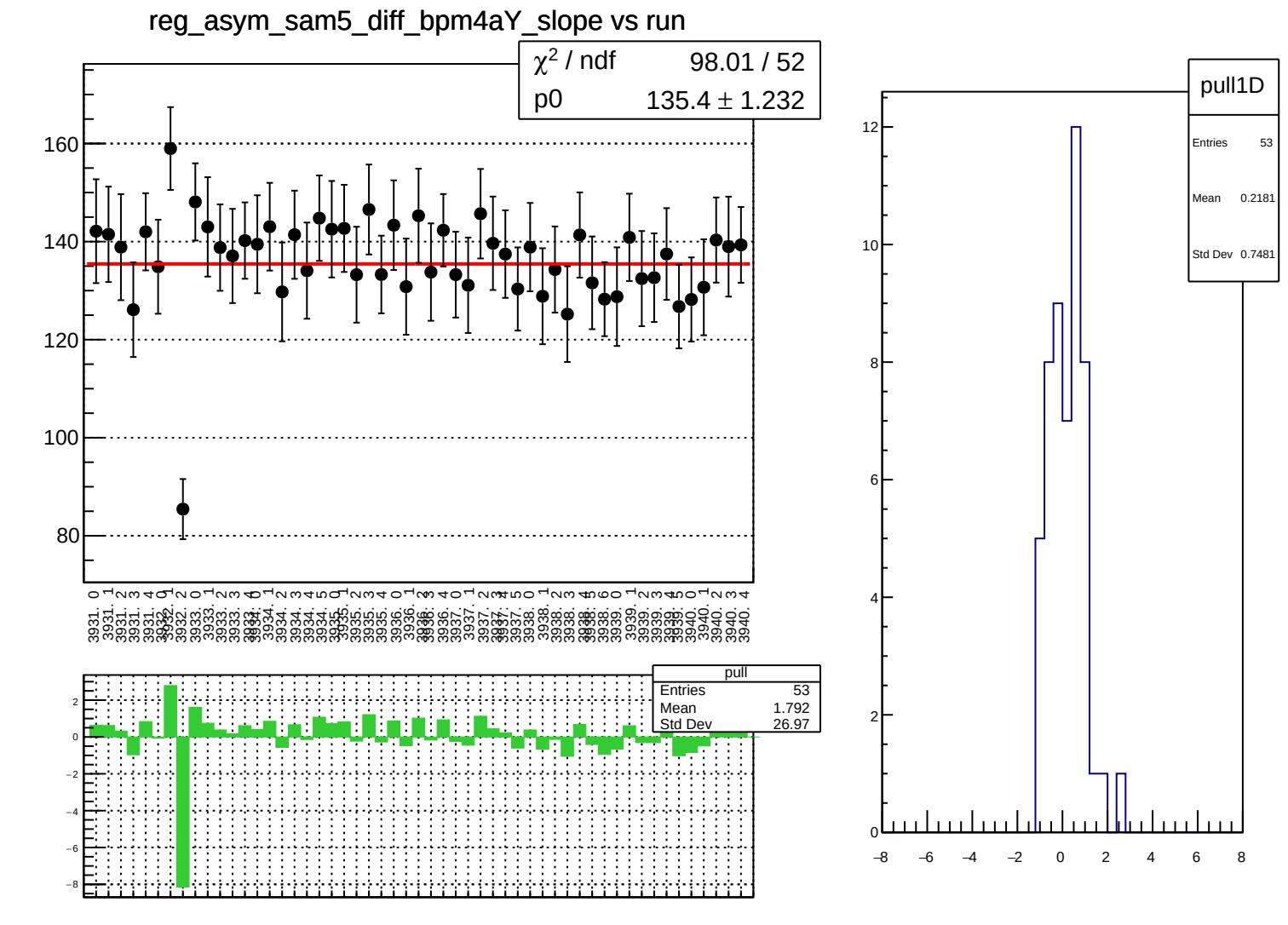

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 5.003 / 52
p0 269.7 ± 8.443
400
350
300
250
200
150
pull
Entries 53
Mean −358.4
Std Dev 383
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

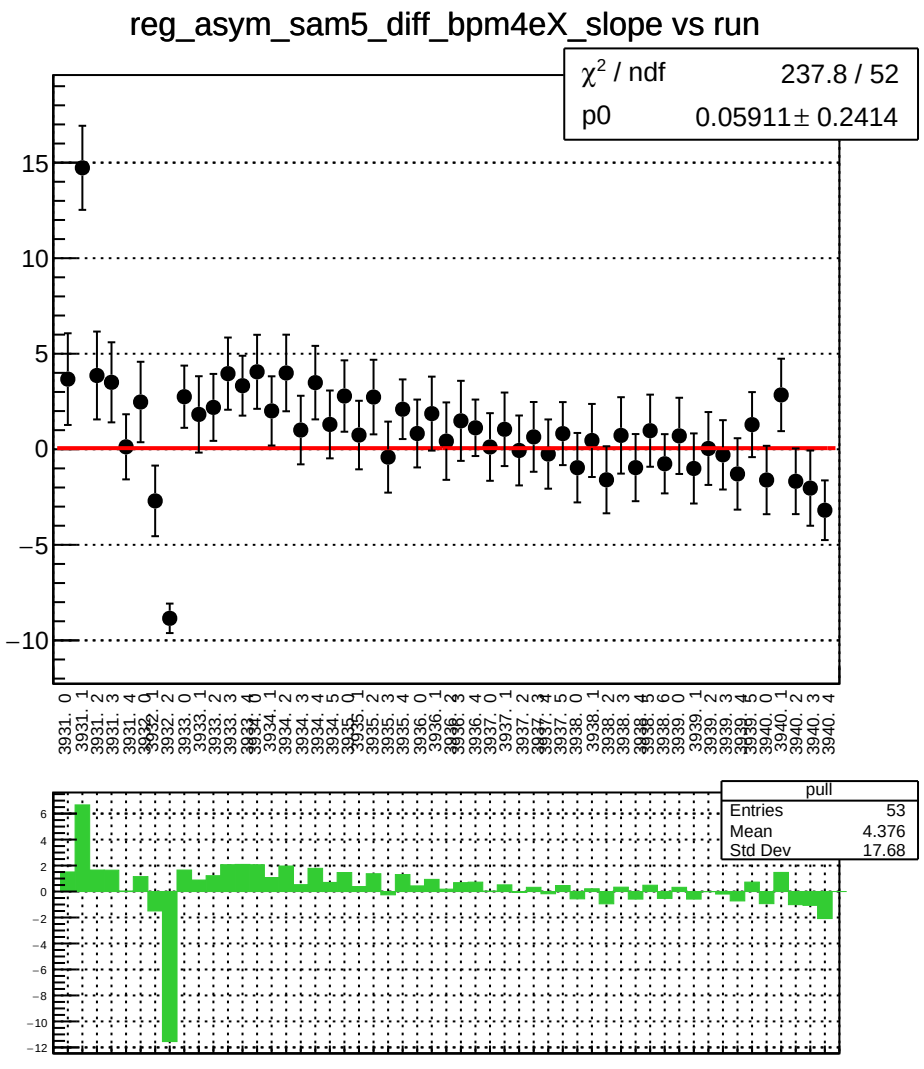

pull1D
Entries 53
Mean −0.003723
Std Dev 0.3072
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

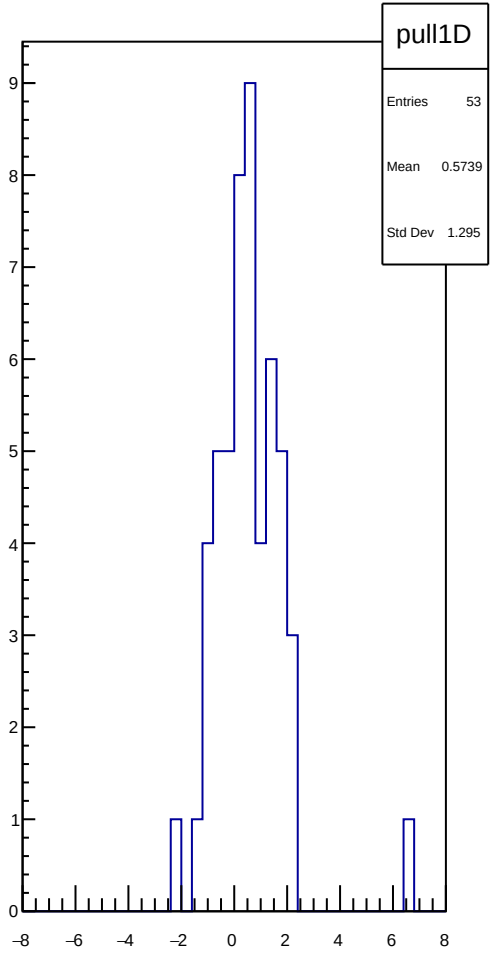

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 3.582 / 52
p0 3.927 ± 1.316
pull
Entries 53
Mean 452.1
Std Dev 426.6

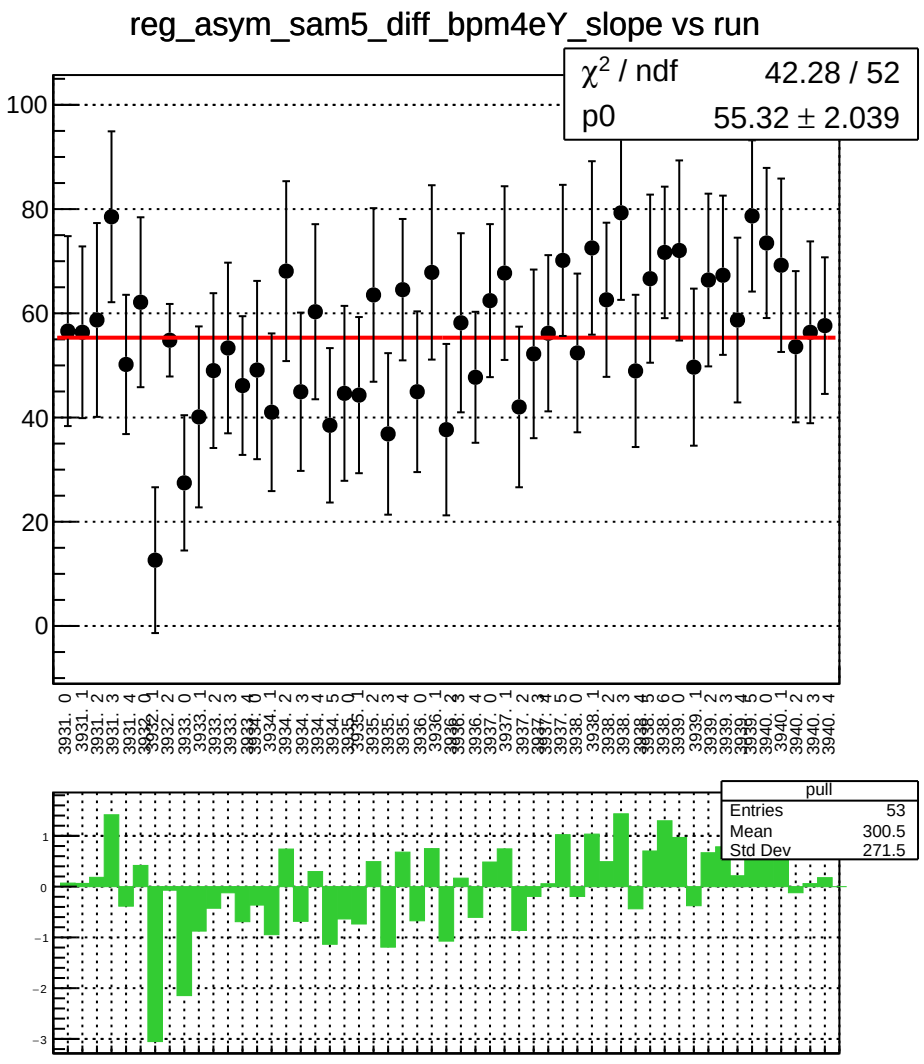

pull1D
Entries 53
Mean 0.006181
Std Dev 0.2599

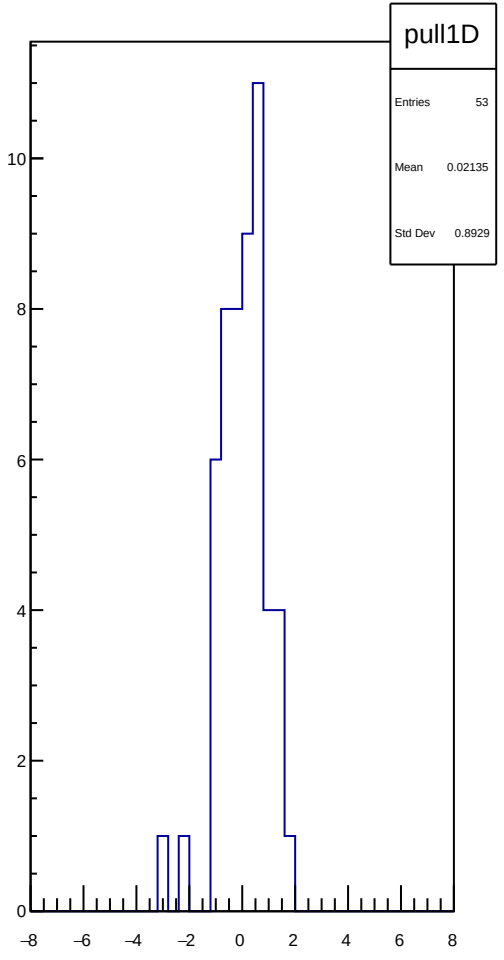

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 237.8 / 52
p0 14.55 ± 1.551
pull
Entries 53
Mean 40.51
Std Dev 10.77
pull1D
Entries 53
Mean −0.6957
Std Dev 0.5423

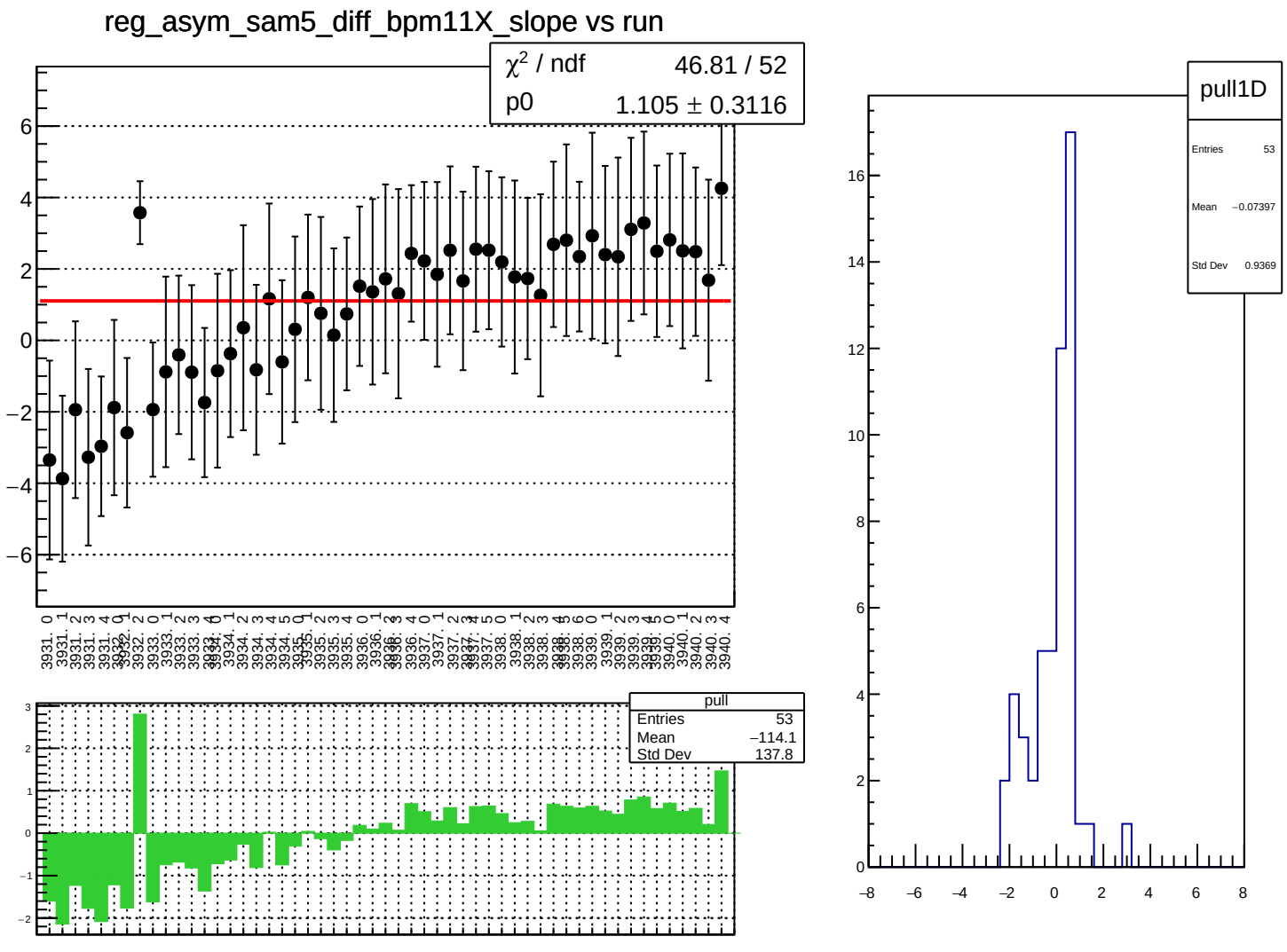

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 98.01 / 52
p0 135.4 ± 1.232
160
140
120
100
80
pull
Entries 53
Mean 1.792
Std Dev 26.97
2
0
−2
−4
−6
−8
pull1D
Entries 53
Mean 0.2181
Std Dev 0.7481
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

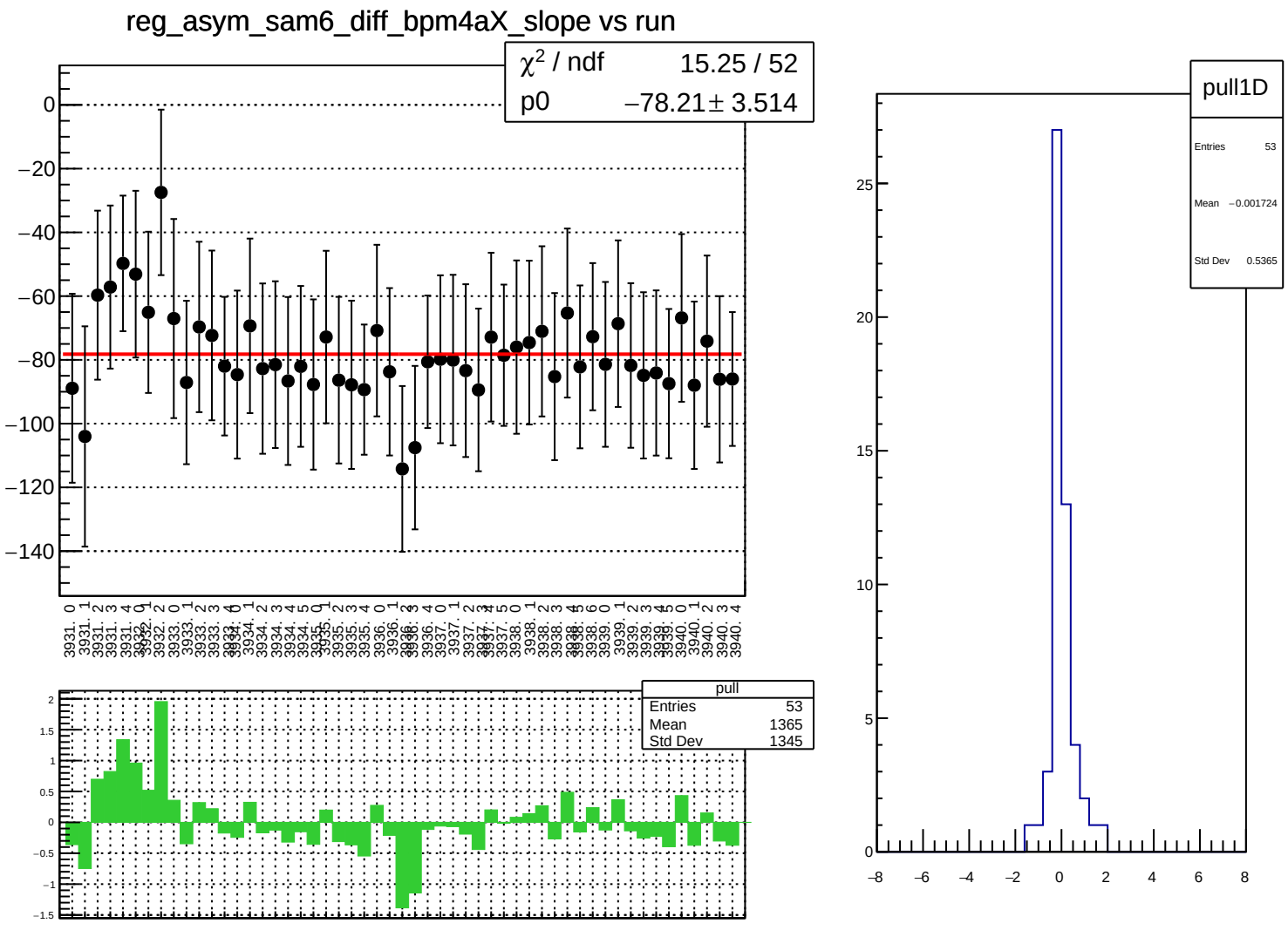

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 237.8 / 52
p0 0.05911 ± 0.2414
pull
Entries 53
Mean 4.376
Std Dev 17.68

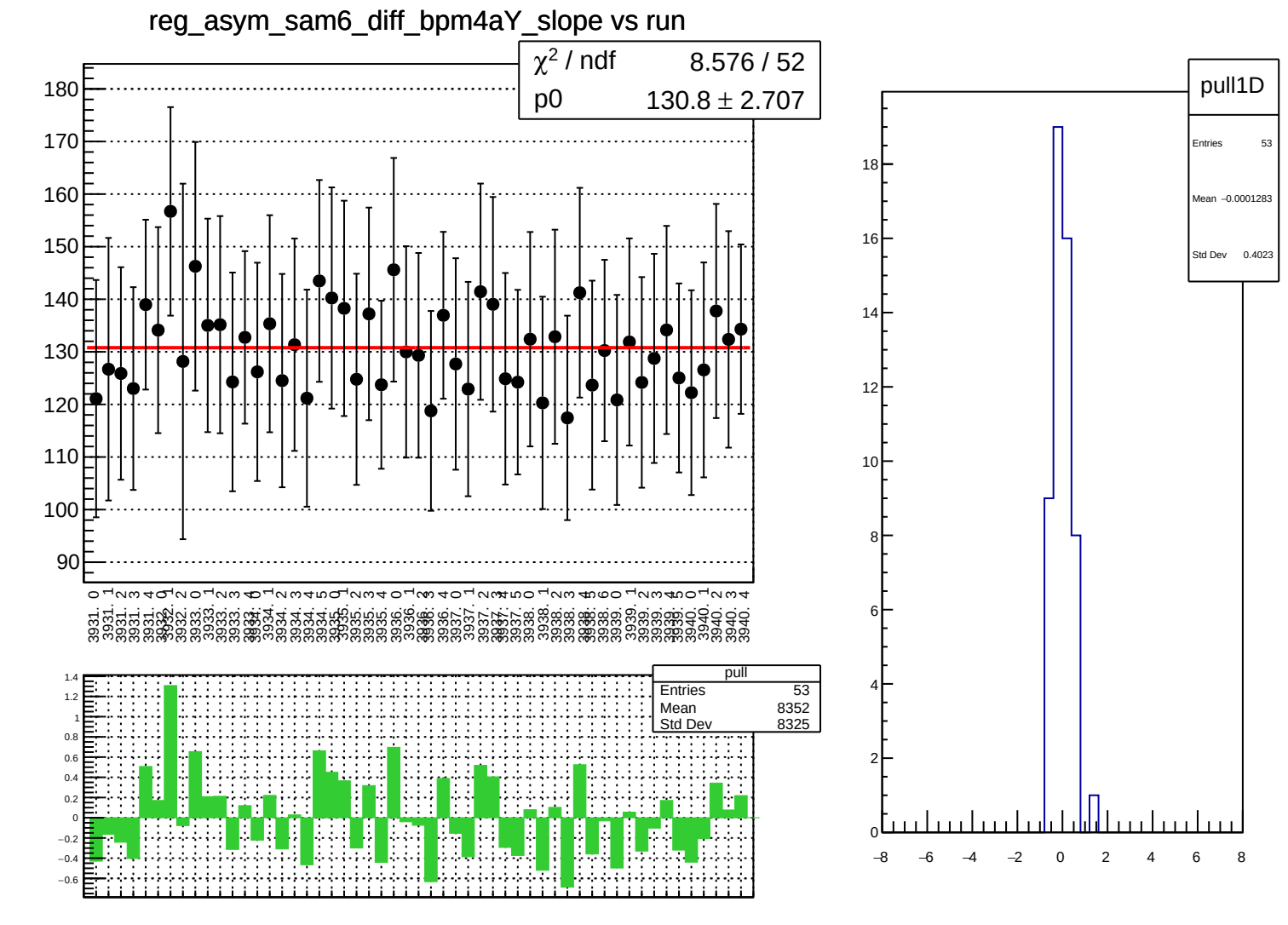

pull1D
Entries 53
Mean 0.5739
Std Dev 1.295

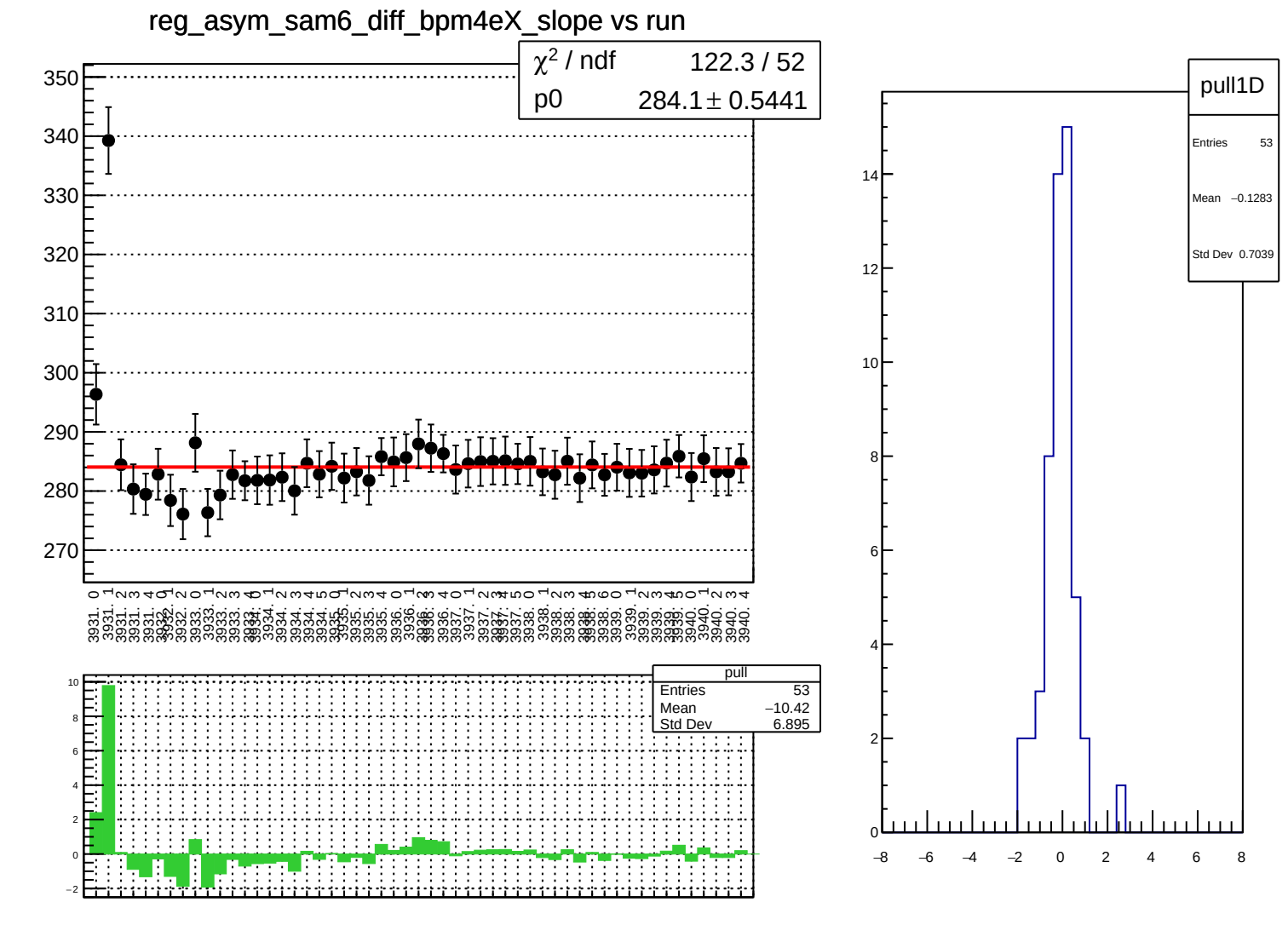

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 42.28 / 52
p0 55.32 ± 2.039
pull
Entries 53
Mean 300.5
Std Dev 271.5

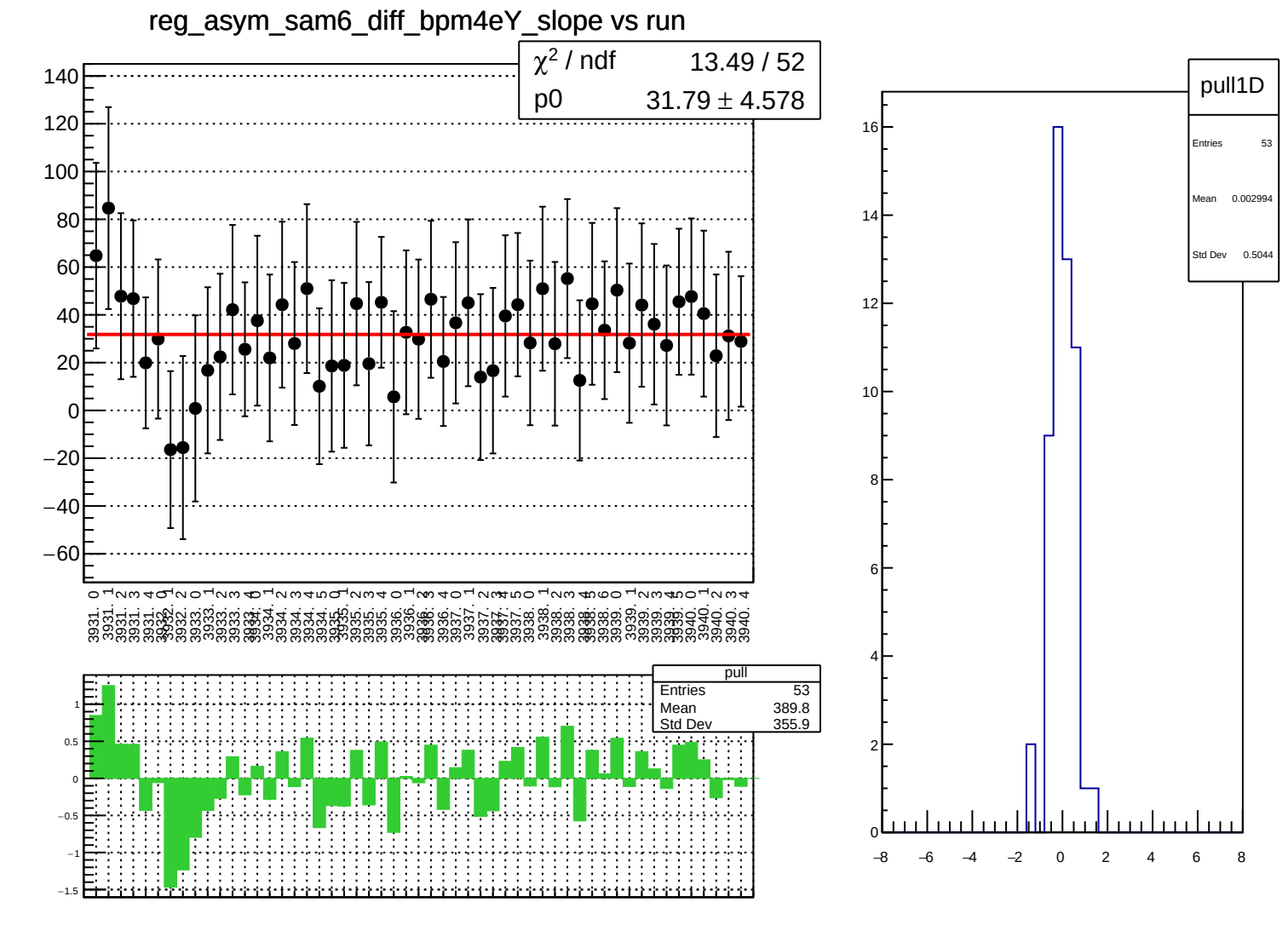

pull1D
Entries 53
Mean 0.02135
Std Dev 0.8929

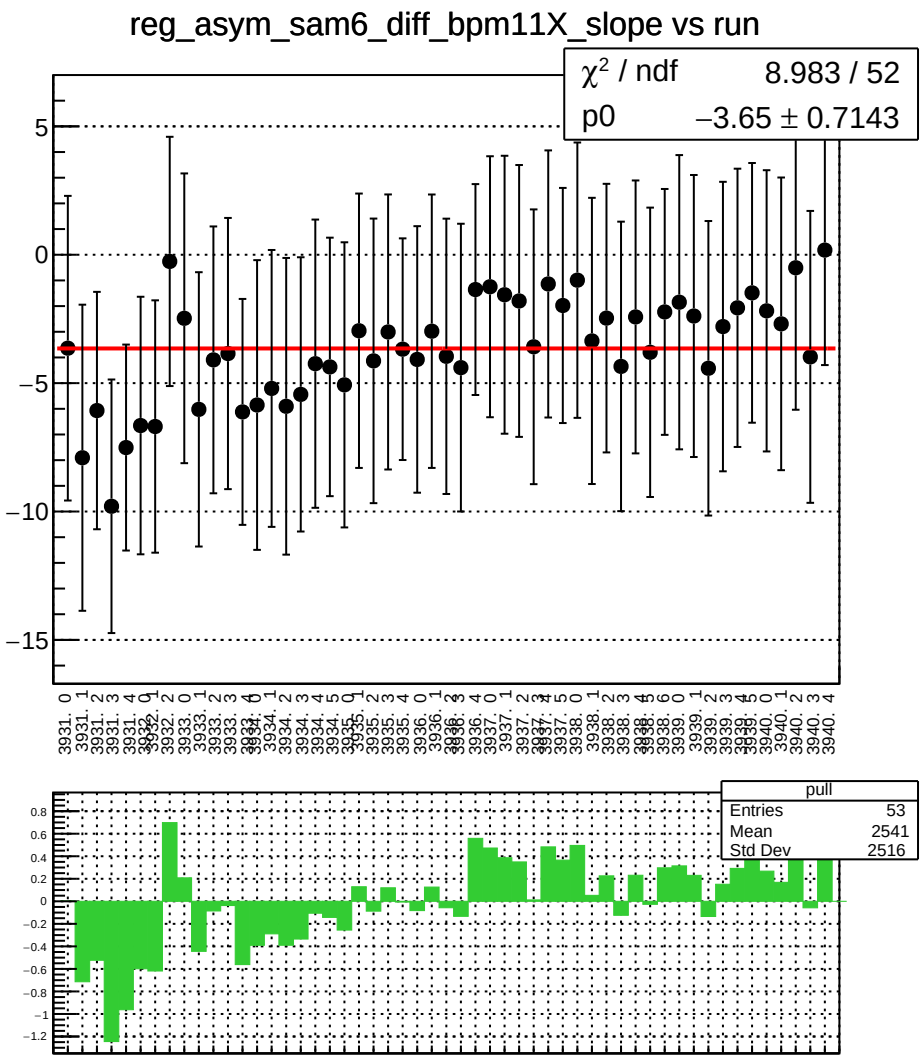

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 46.81 / 52
p0 1.105 ± 0.3116
pull
Entries 53
Mean −114.1
Std Dev 137.8
pull1D
Entries 53
Mean −0.07397
Std Dev 0.9369

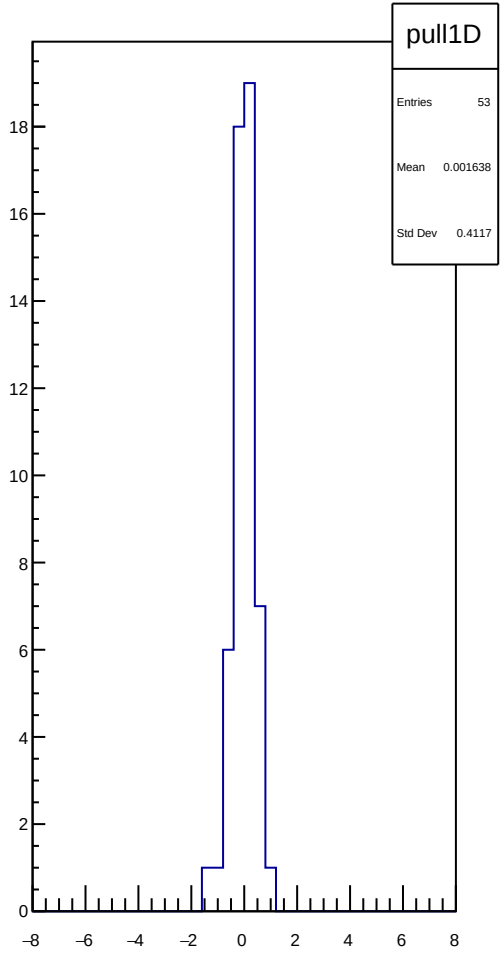

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 15.25 / 52
p0 −78.21 ± 3.514
pull
Entries 53
Mean 1365
Std Dev 1345
pull1D
Entries 53
Mean −0.001724
Std Dev 0.5365

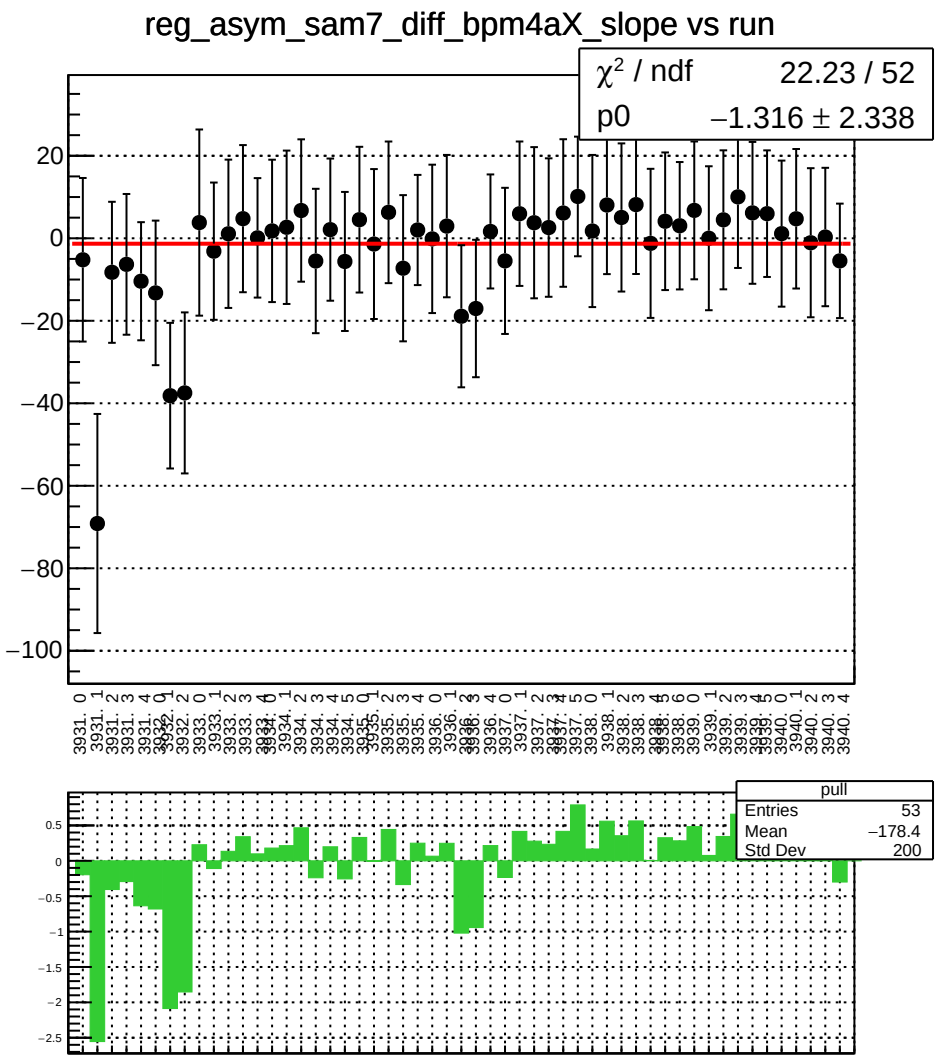

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 8.576 / 52
p0 130.8 ± 2.707
pull
Entries 53
Mean 8352
Std Dev 8325
pull1D
Entries 53
Mean −0.0001283
Std Dev 0.4023

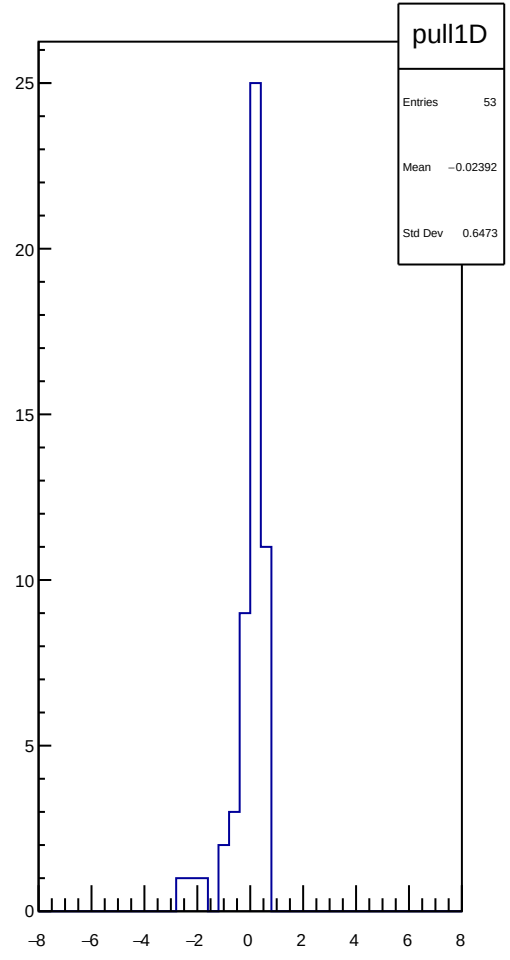

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 122.3 / 52
p0 284.1 ± 0.5441
pull
Entries 53
Mean −10.42
Std Dev 6.895
pull1D
Entries 53
Mean −0.1283
Std Dev 0.7039

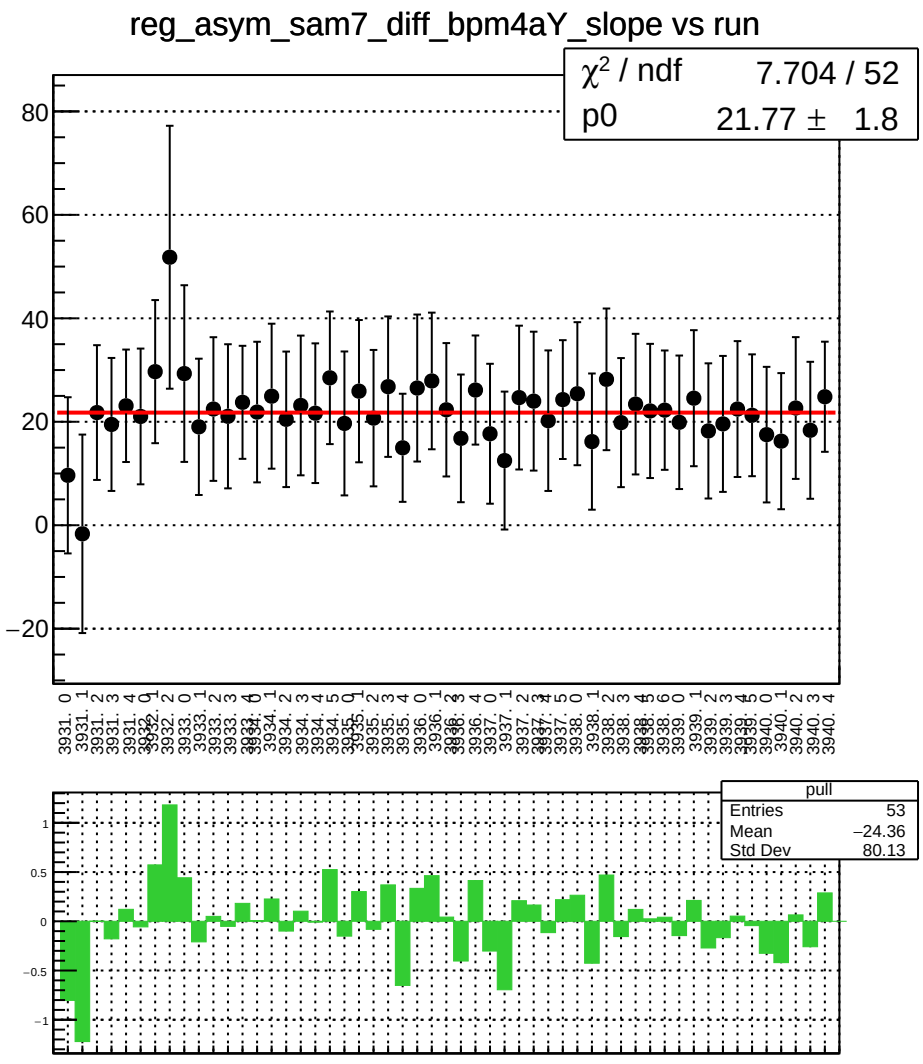

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.49 / 52
p0 31.79 ± 4.578
pull
Entries 53
Mean 389.8
Std Dev 355.9
pull1D
Entries 53
Mean 0.002994
Std Dev 0.5044

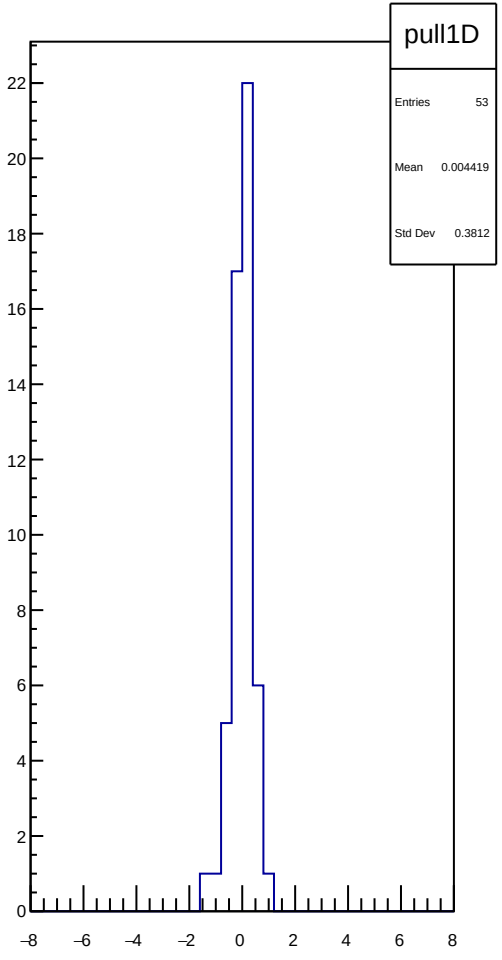

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 8.983 / 52
p0 −3.65 ± 0.7143
pull
Entries 53
Mean 2541
Std Dev 2516

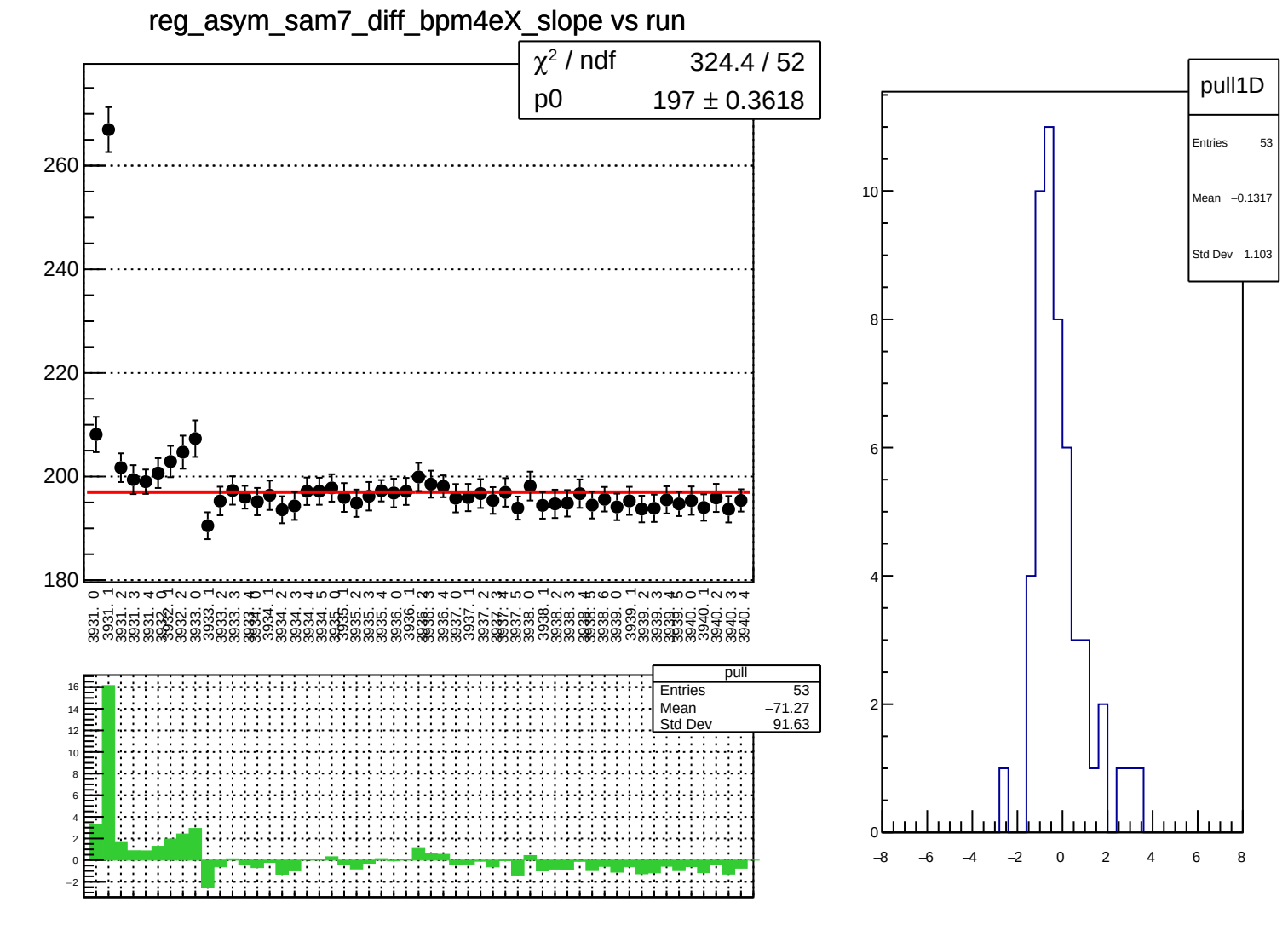

pull1D
Entries 53
Mean 0.001638
Std Dev 0.4117

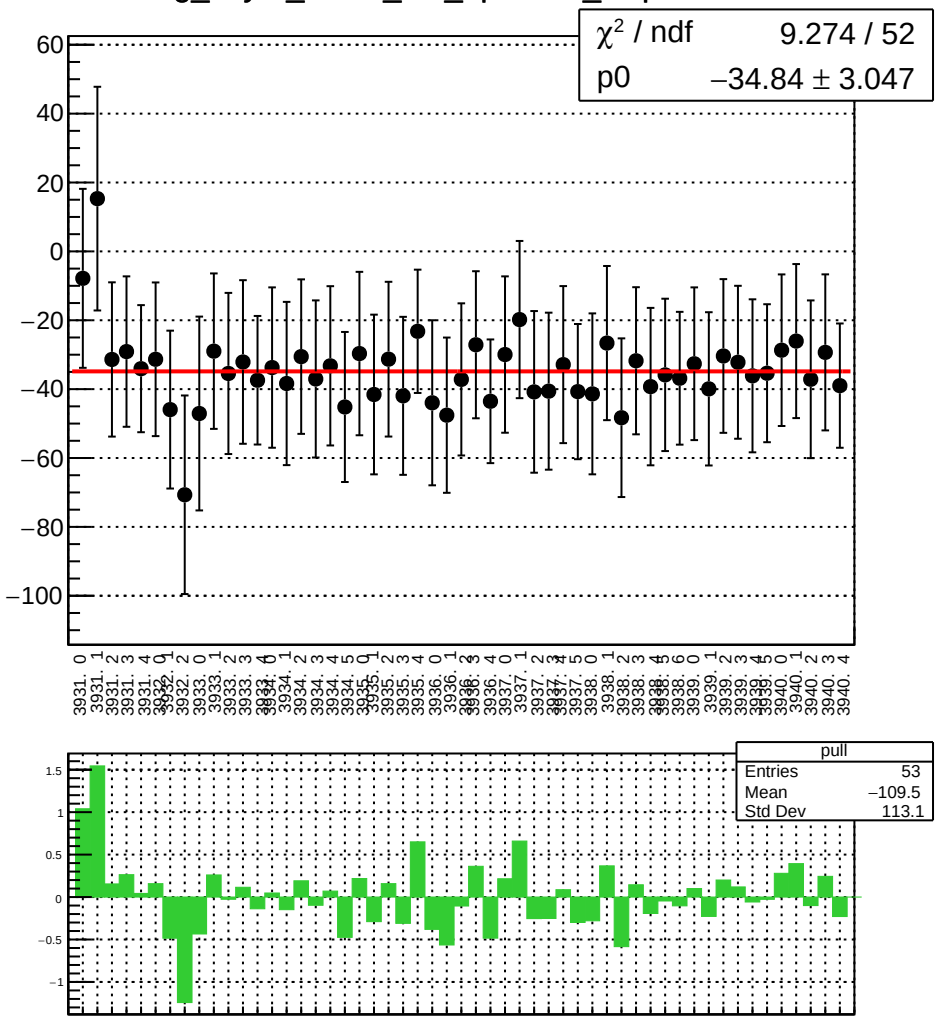

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 22.23 / 52
p0 −1.316 ± 2.338
pull
Entries 53
Mean −178.4
Std Dev 200

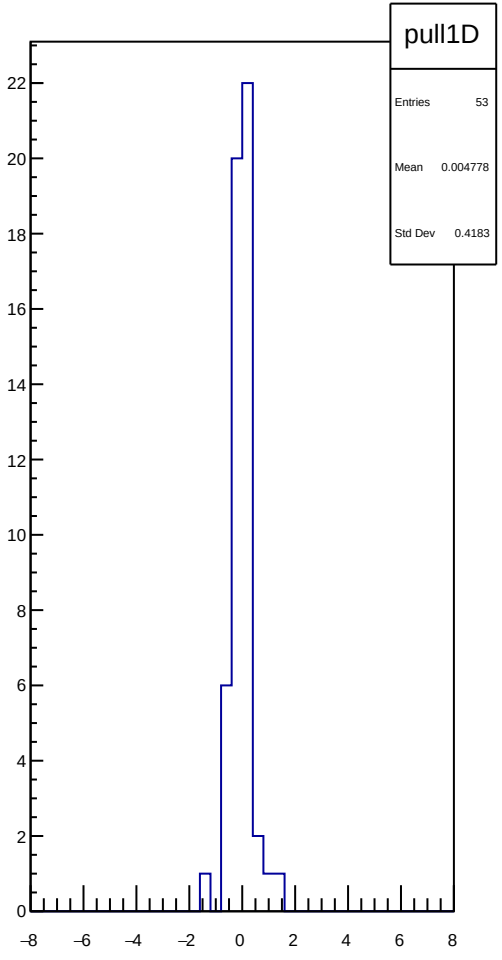

pull1D
Entries 53
Mean −0.02392
Std Dev 0.6473

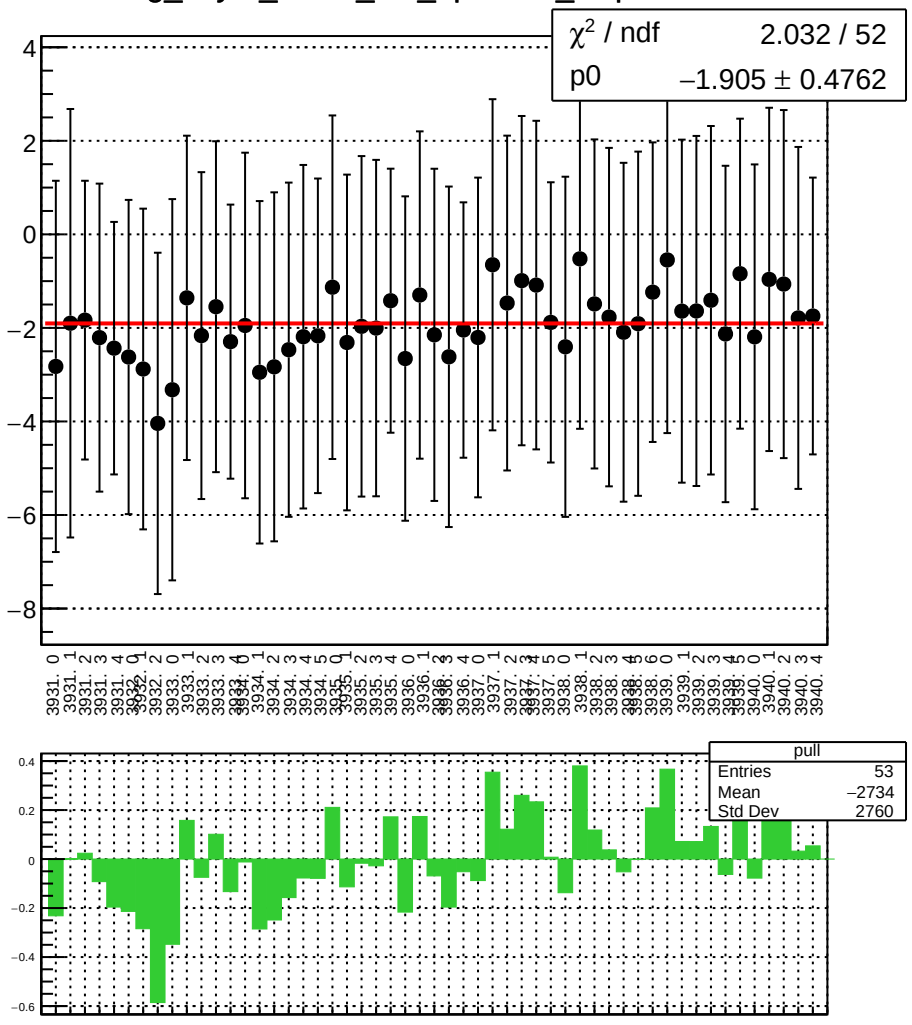

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 7.704 / 52
p0 21.77 ± 1.8
pull
Entries 53
Mean −24.36
Std Dev 80.13

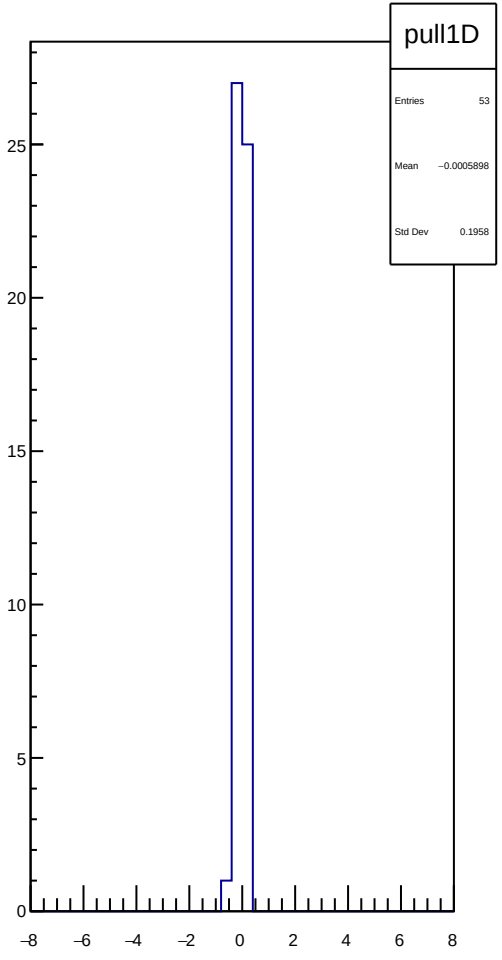

pull1D
Entries 53
Mean 0.004419
Std Dev 0.3812

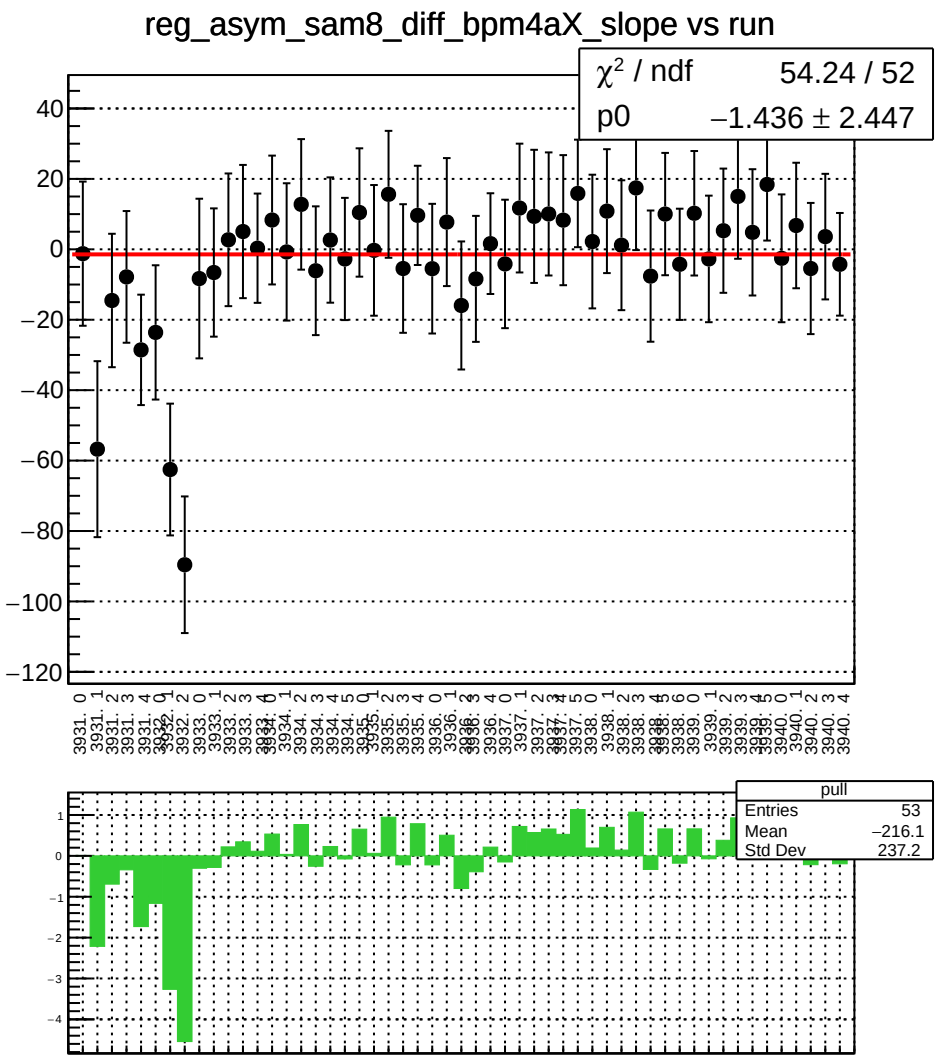

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 324.4 / 52
p0 197 ± 0.3618
260
240
220
200
180
pull
Entries 53
Mean −71.27
Std Dev 91.63
16
14
12
10
8
6
4
2
0
−2
pull1D
Entries 53
Mean −0.1317
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

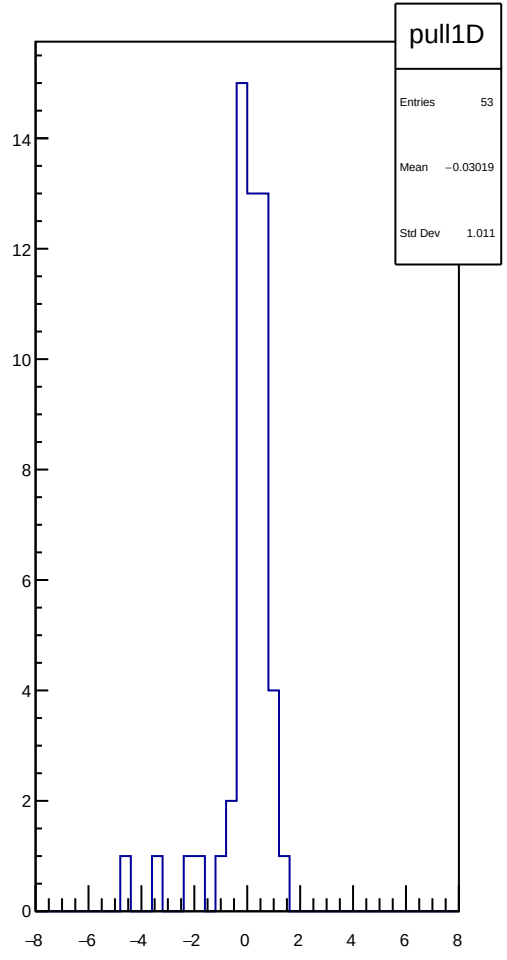

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 9.274 / 52
p0 −34.84 ± 3.047
pull
Entries 53
Mean −109.5
Std Dev 113.1

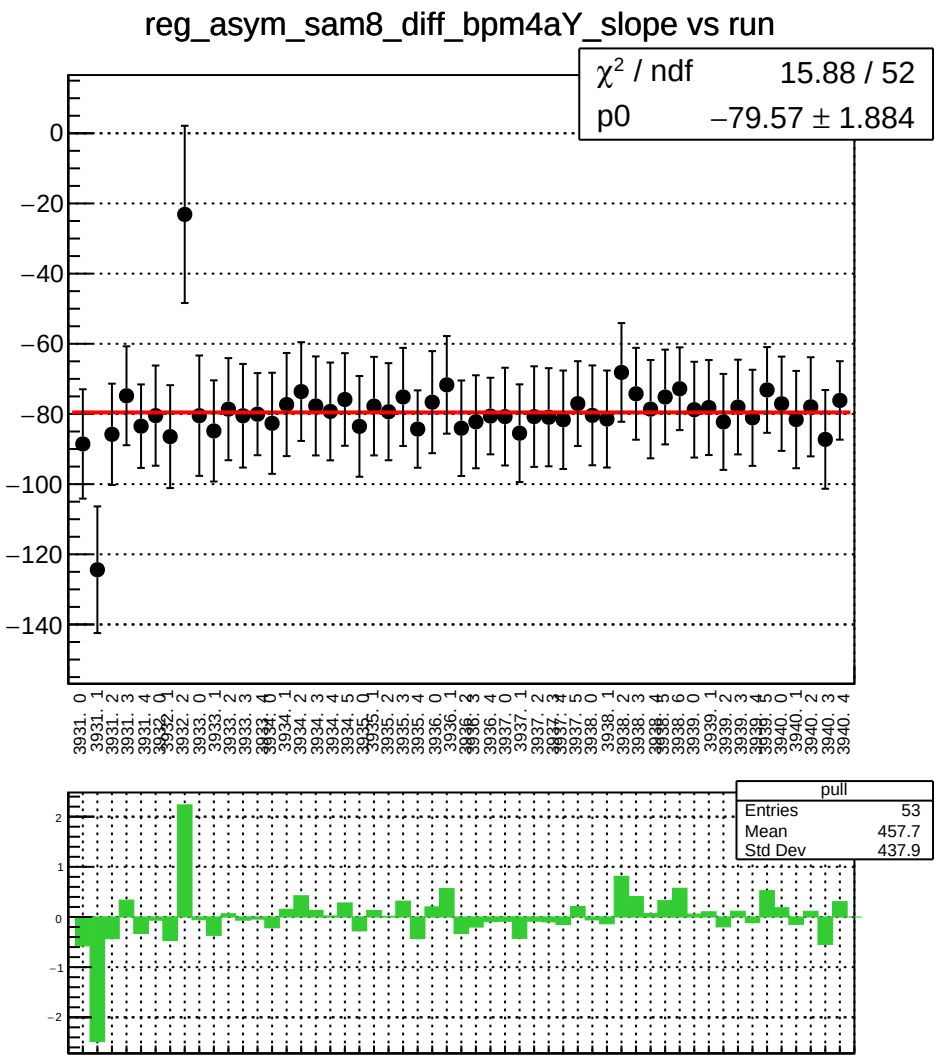

pull1D
Entries 53
Mean 0.004778
Std Dev 0.4183

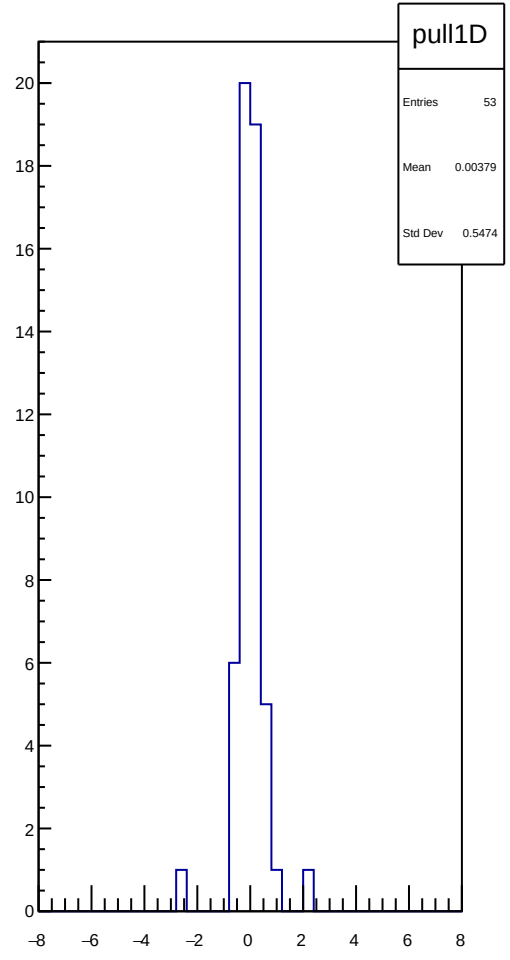

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 2.032 / 52
p0 −1.905 ± 0.4762
pull
Entries 53
Mean −2734
Std Dev 2760

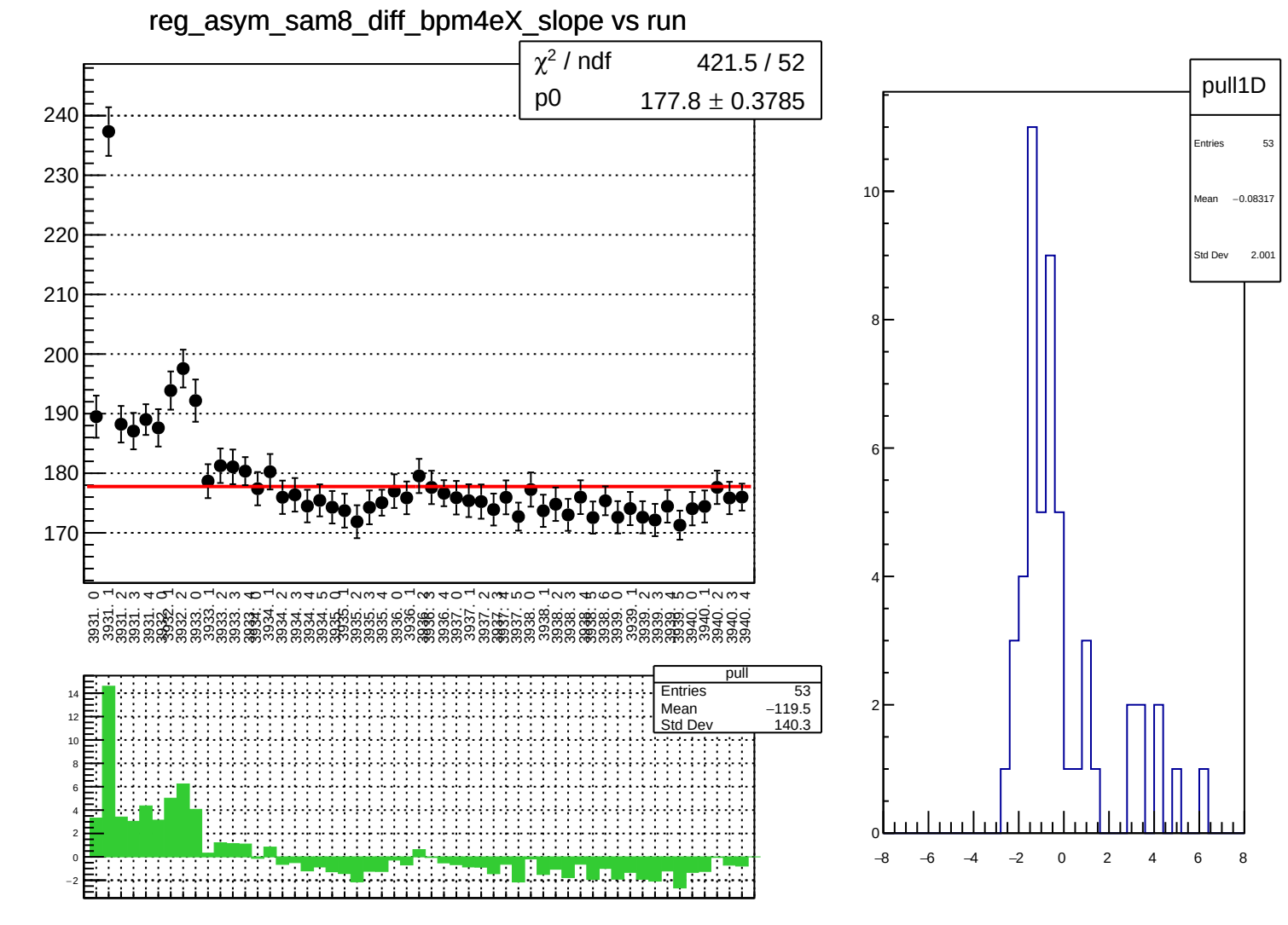

pull1D
Entries 53
Mean −0.0005898
Std Dev 0.1958

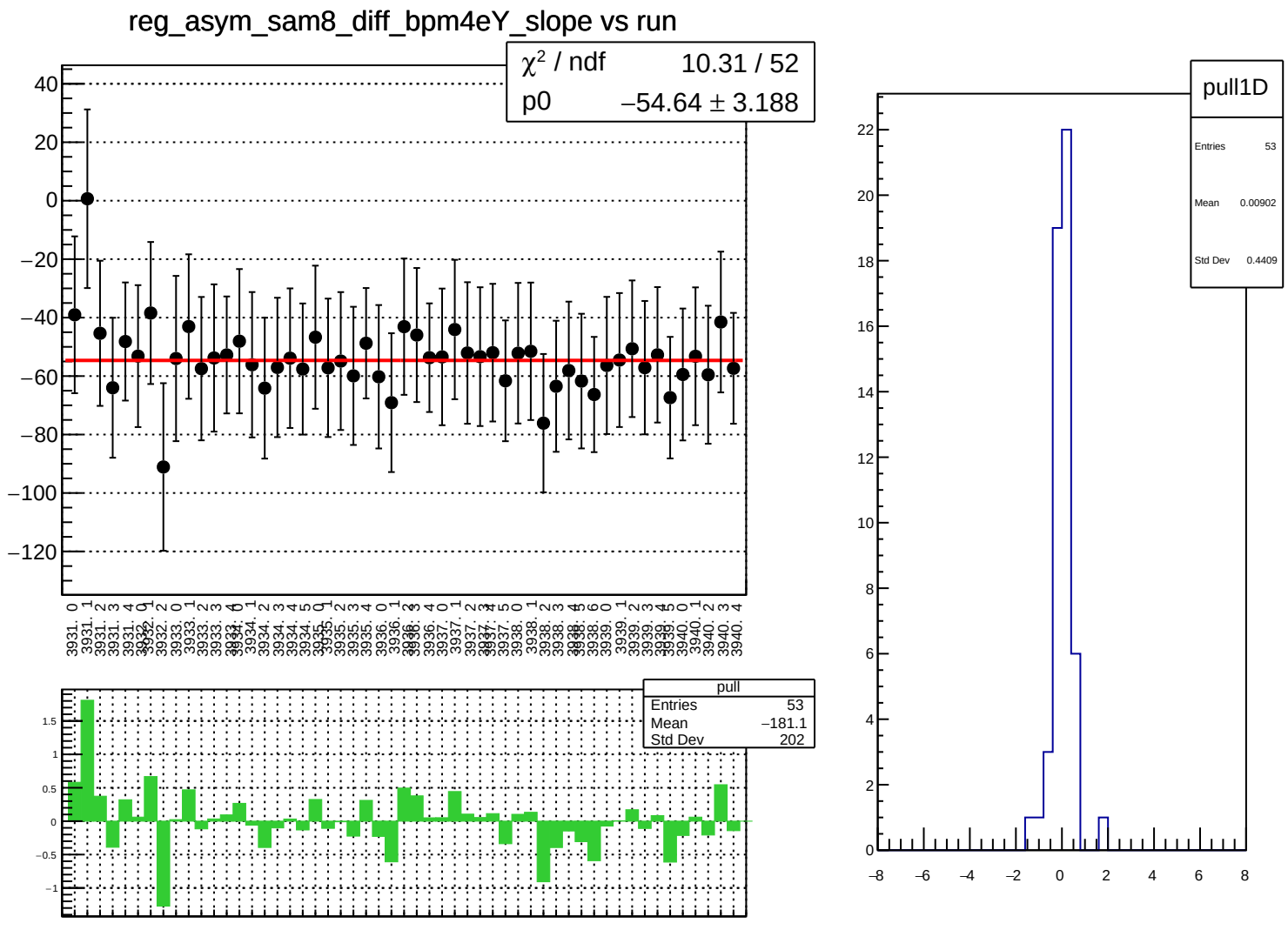

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 54.24 / 52
p0 −1.436 ± 2.447
pull
Entries 53
Mean −216.1
Std Dev 237.2

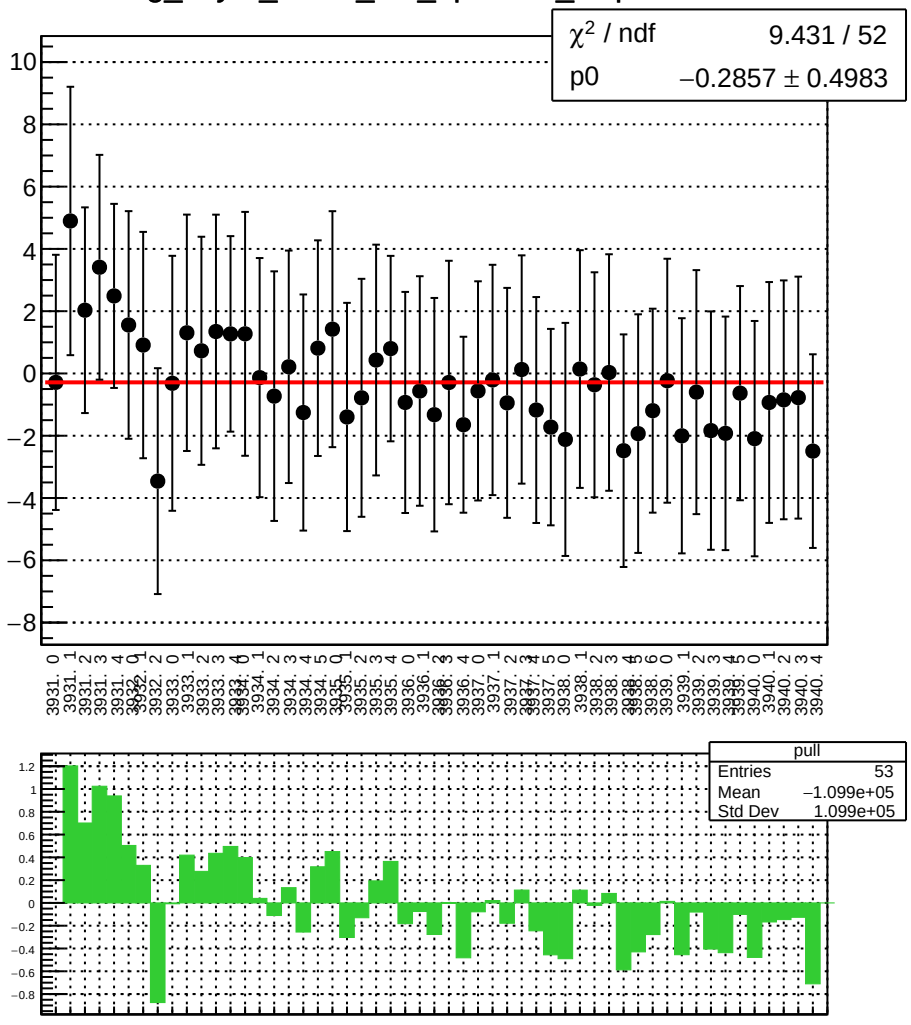

pull1D
Entries 53
Mean −0.03019
Std Dev 1.011

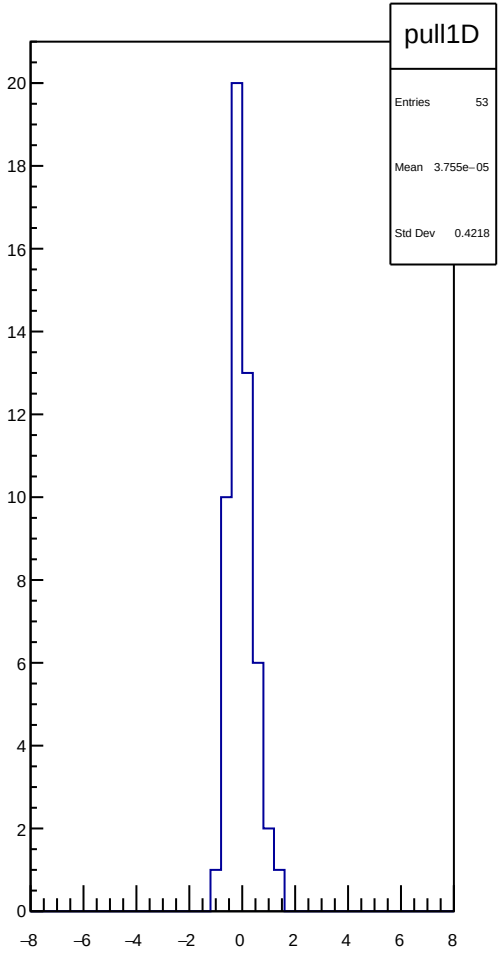

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 15.88 / 52
p0 −79.57 ± 1.884
pull
Entries 53
Mean 457.7
Std Dev 437.9

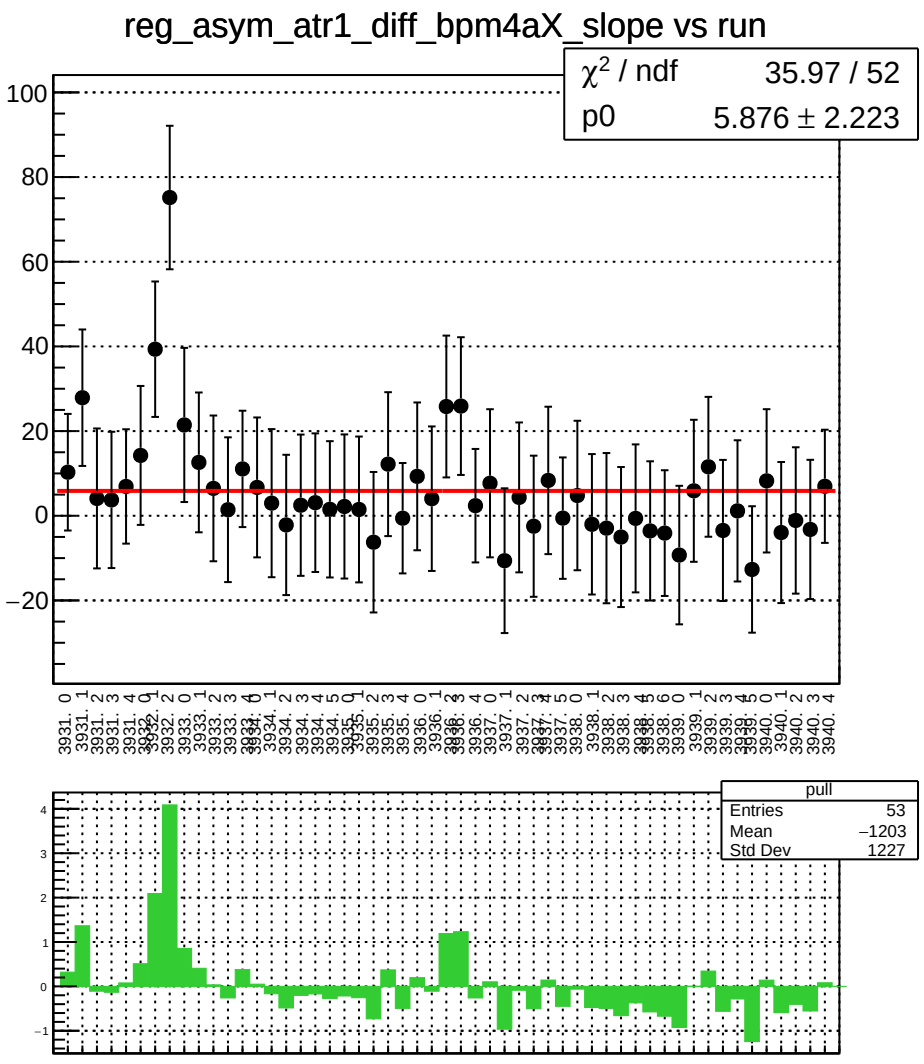

pull1D
Entries 53
Mean 0.00379
Std Dev 0.5474

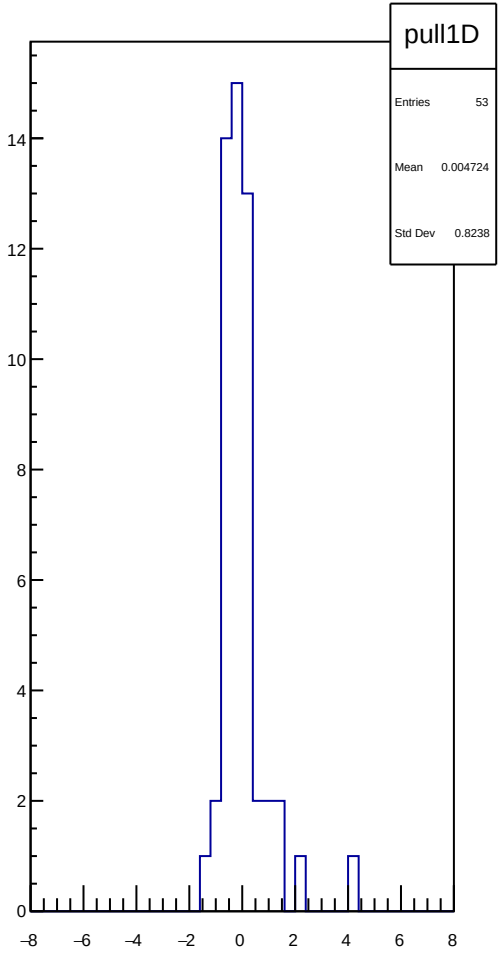

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 421.5 / 52
p0 177.8 ± 0.3785
240
230
220
210
200
190
180
170
pull
Entries 53
Mean −119.5
Std Dev 140.3
14
12
10
8
6
4
2
0
−2
pull1D
Entries 53
Mean −0.08317
Std Dev 2.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

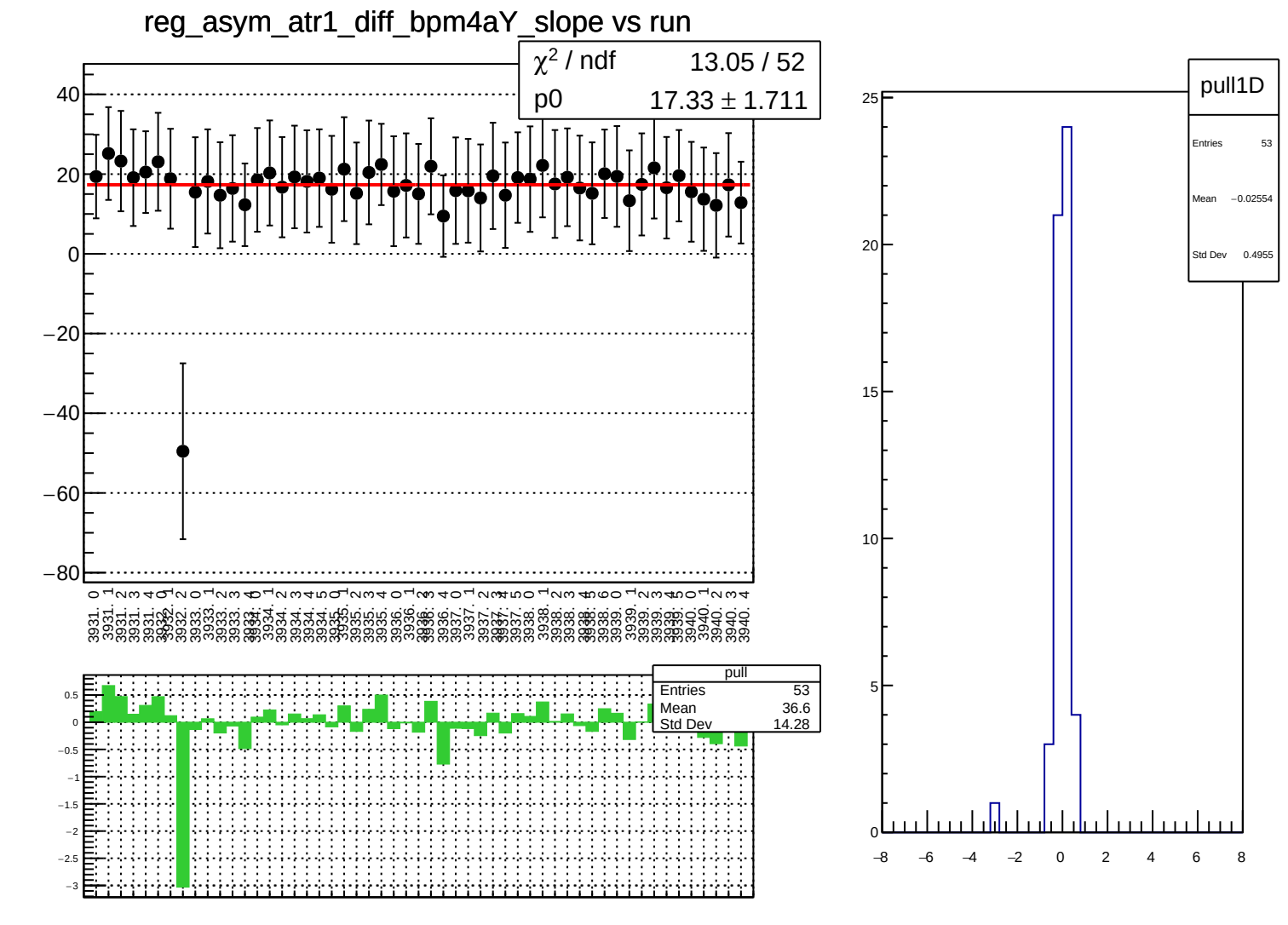

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 10.31 / 52
p0 −54.64 ± 3.188
pull
Entries 53
Mean −181.1
Std Dev 202
pull1D
Entries 53
Mean 0.00902
Std Dev 0.4409

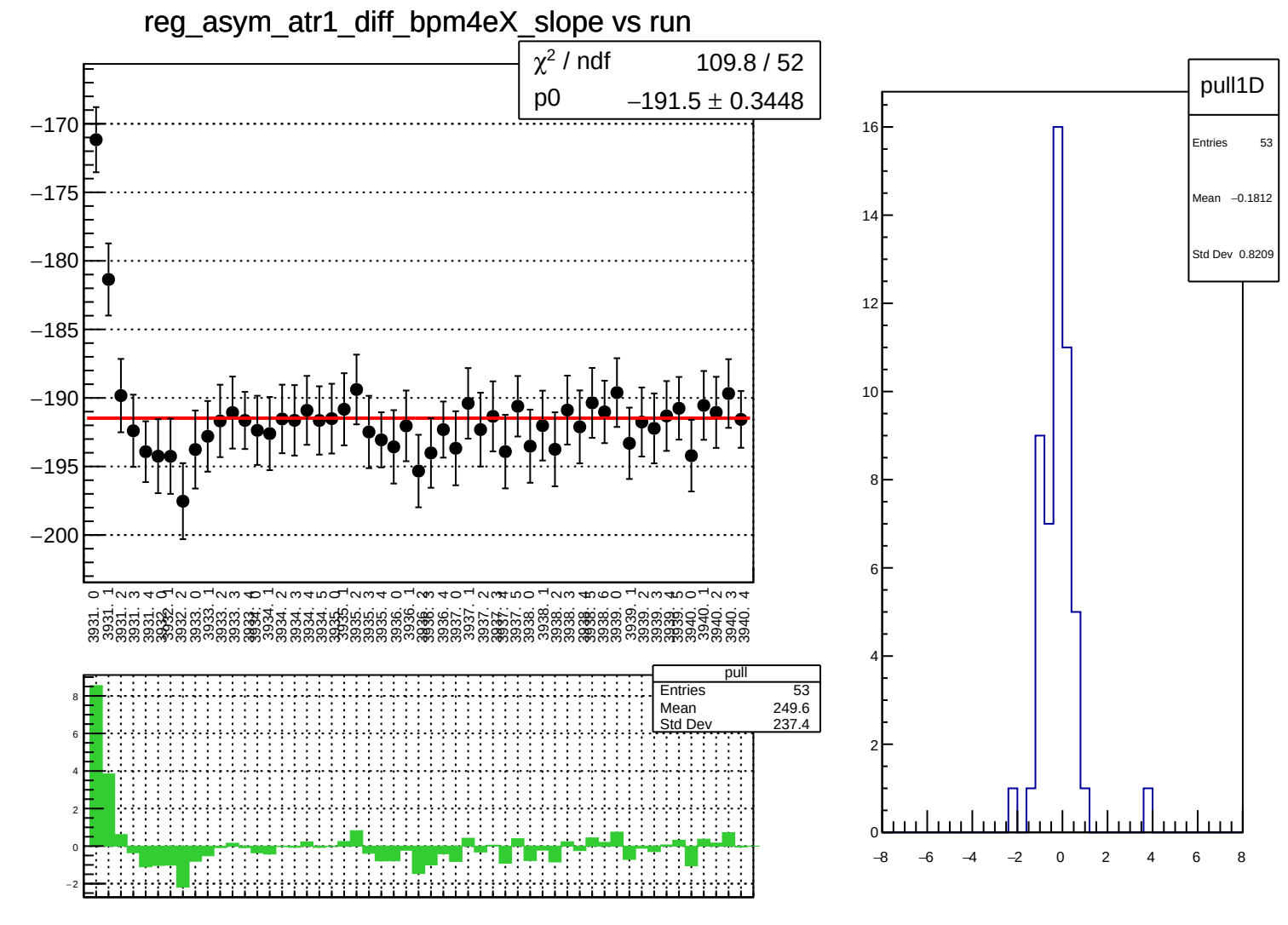

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 9.431 / 52
p0 −0.2857 ± 0.4983
pull
Entries 53
Mean −1.099e+05
Std Dev 1.099e+05

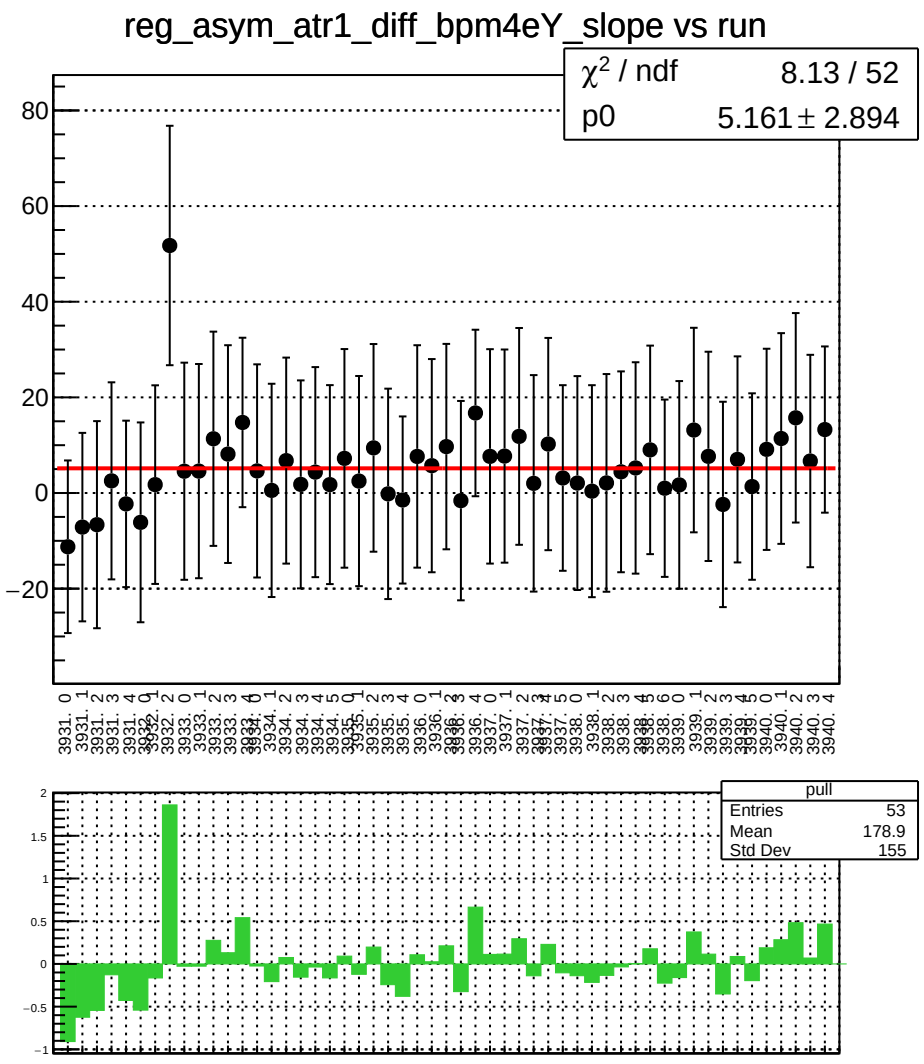

pull1D
Entries 53
Mean 3.755e−05
Std Dev 0.4218

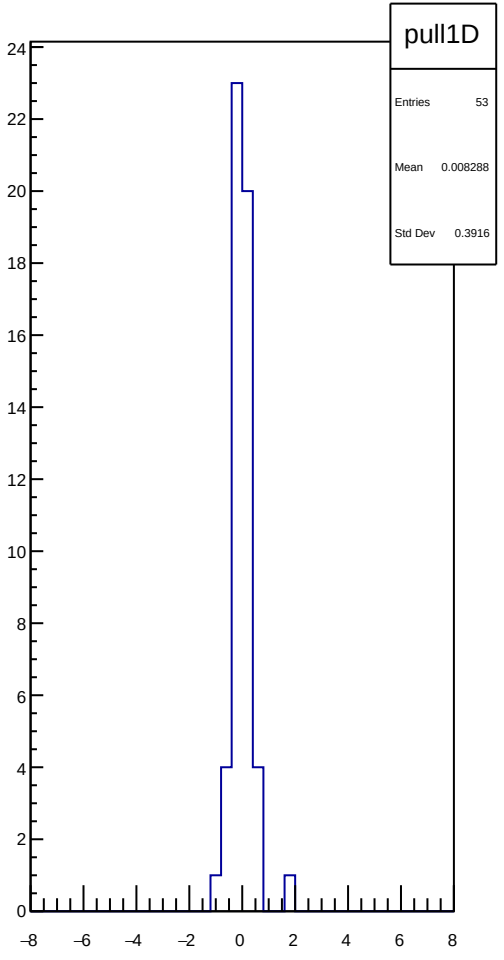

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 35.97 / 52
p0 5.876 ± 2.223
pull
Entries 53
Mean −1203
Std Dev 1227

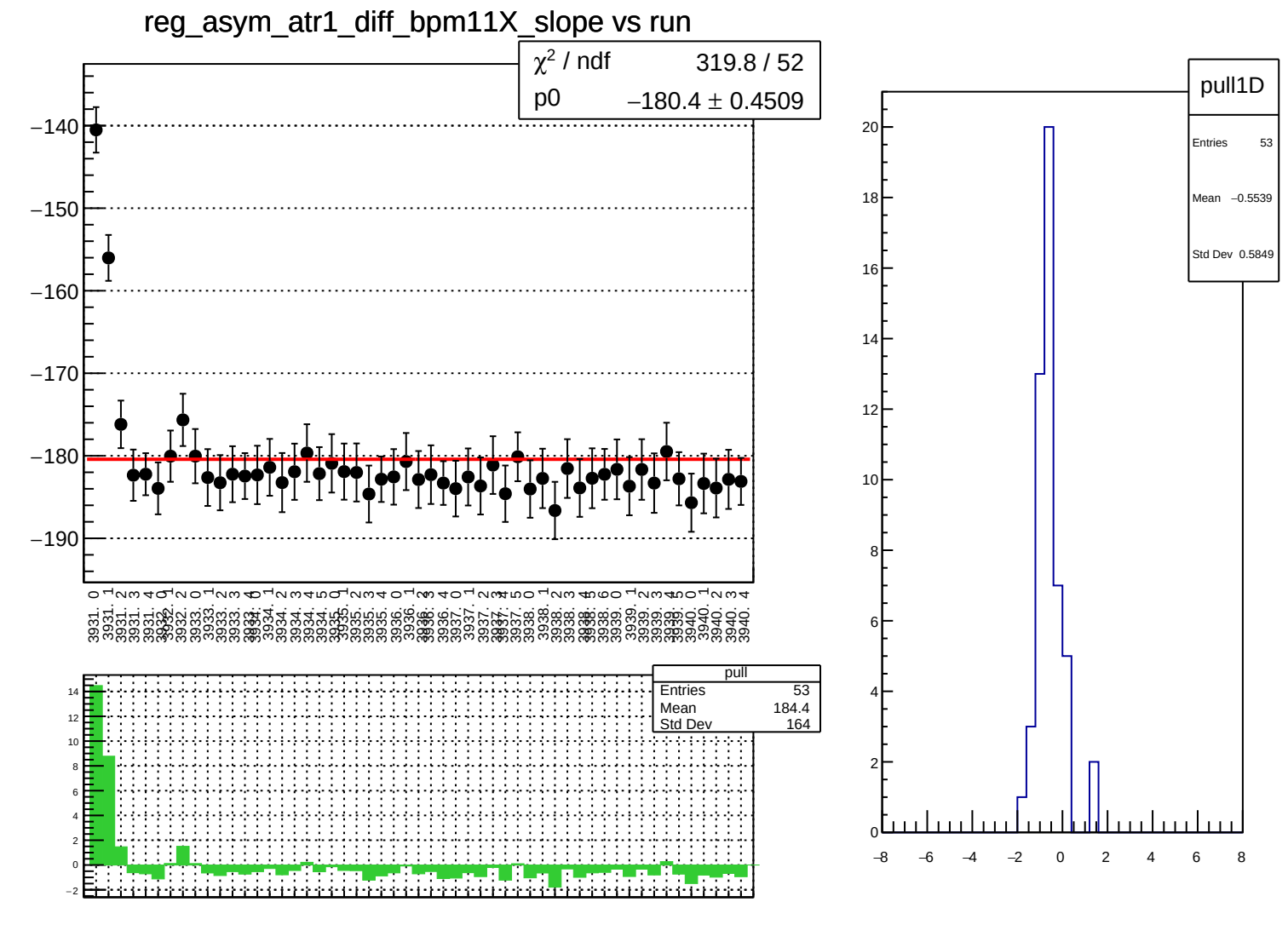

pull1D
Entries 53
Mean 0.004724
Std Dev 0.8238

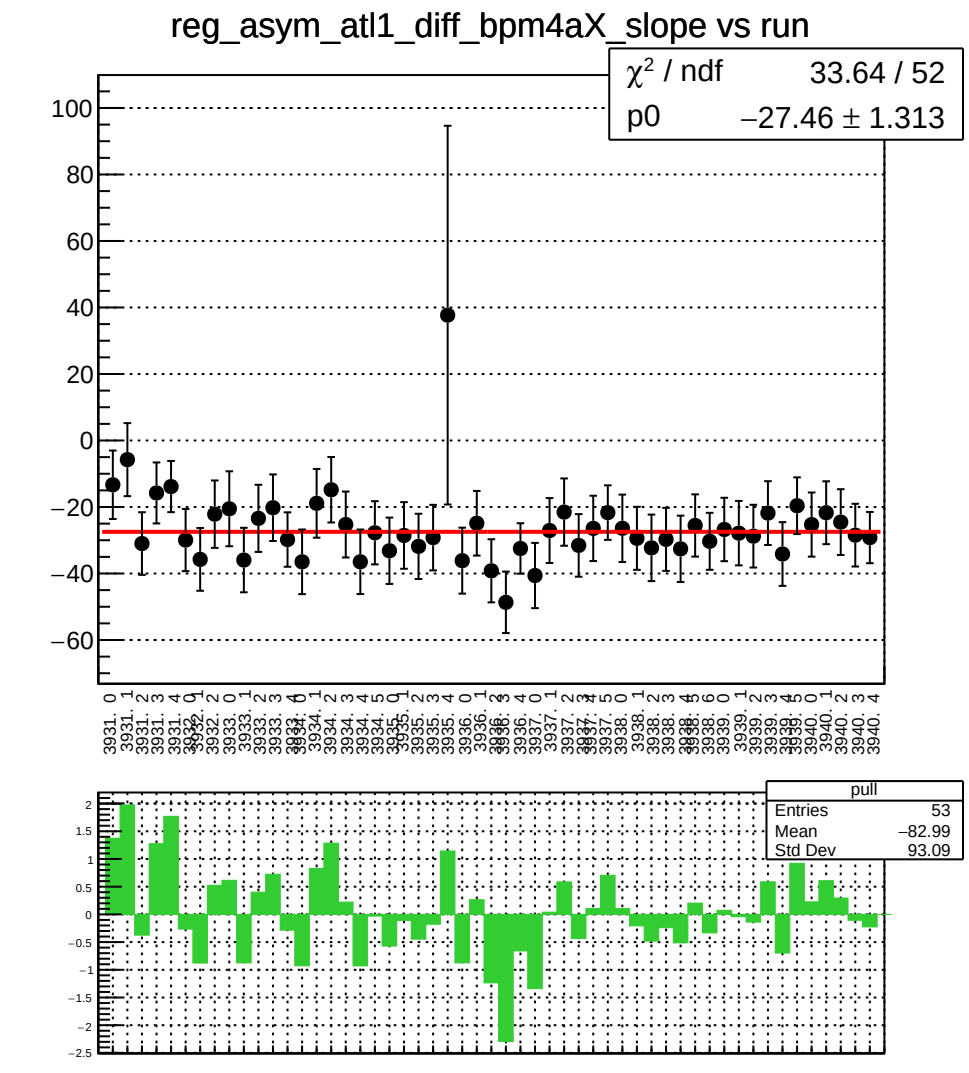

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 13.05 / 52
p0 17.33 ± 1.711
pull
Entries 53
Mean 36.6
Std Dev 14.28
pull1D
Entries 53
Mean −0.02554
Std Dev 0.4955

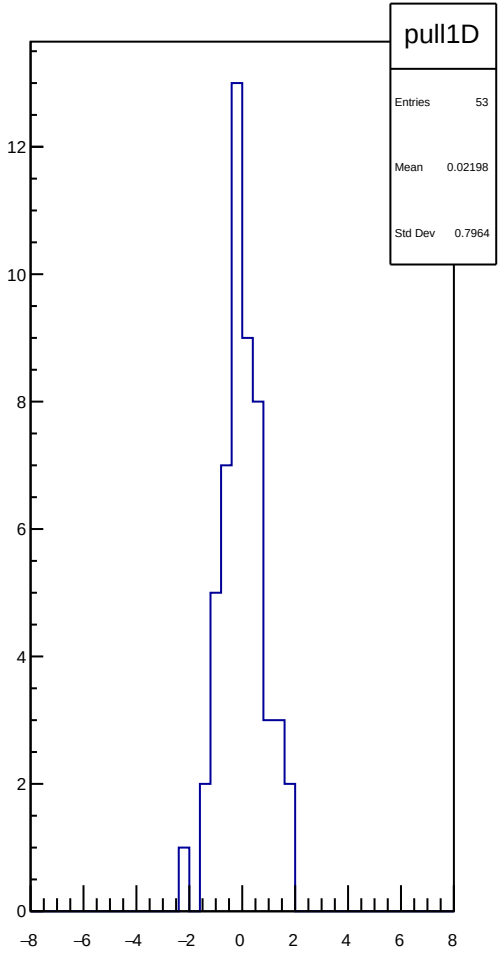

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 109.8 / 52
p0 −191.5 ± 0.3448
pull
Entries 53
Mean 249.6
Std Dev 237.4
pull1D
Entries 53
Mean −0.1812
Std Dev 0.8209

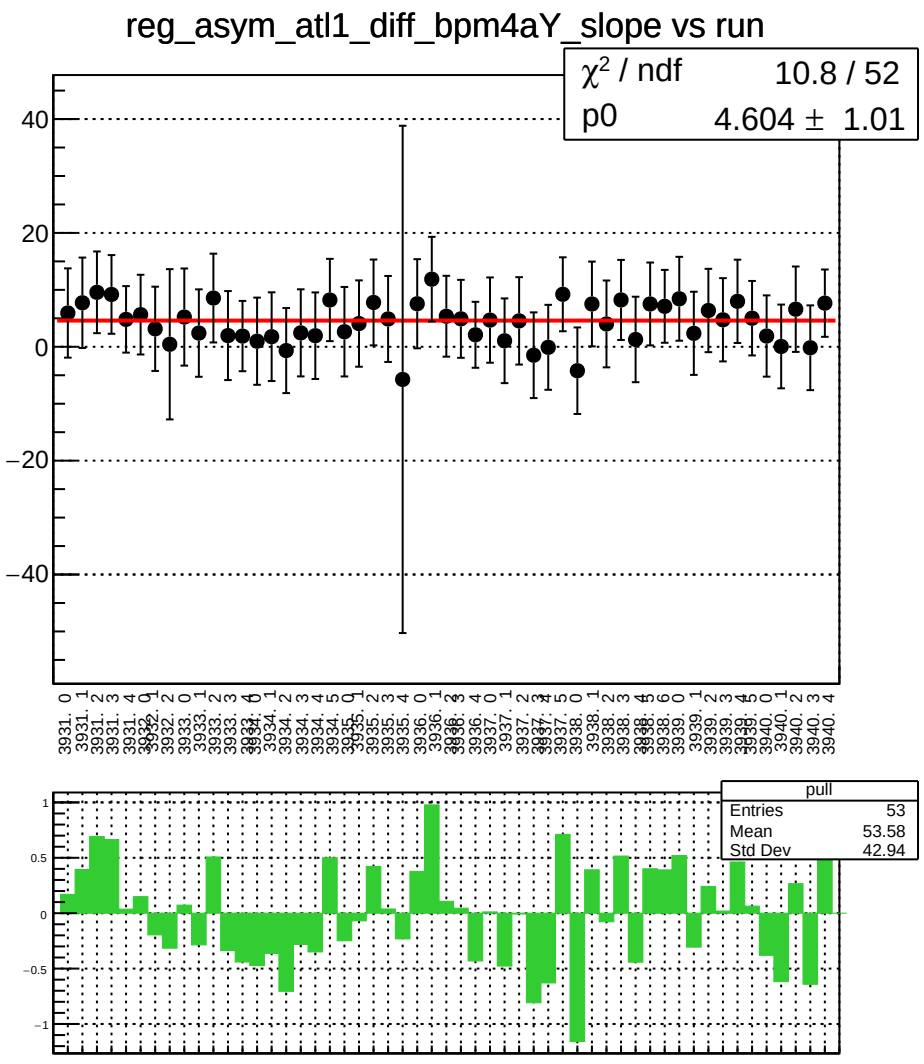

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 8.13 / 52
p0 5.161 ± 2.894
pull
Entries 53
Mean 178.9
Std Dev 155

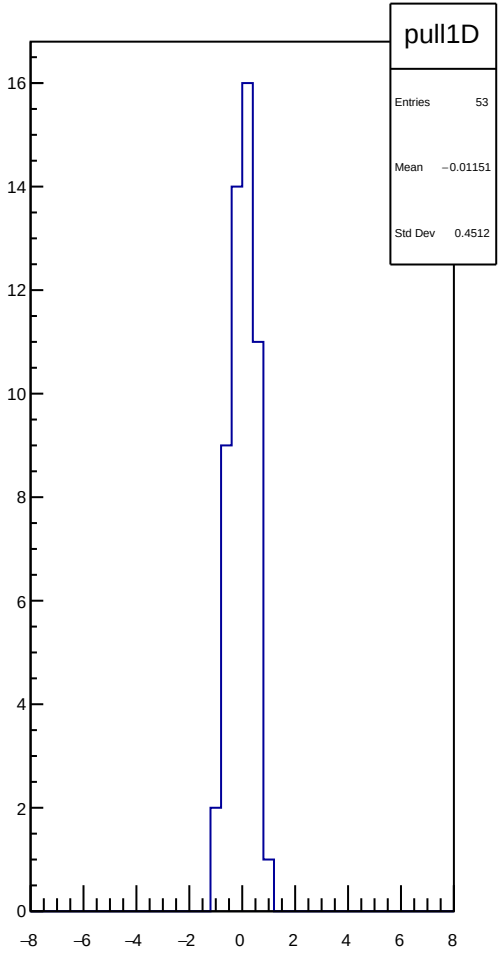

pull1D
Entries 53
Mean 0.008288
Std Dev 0.3916

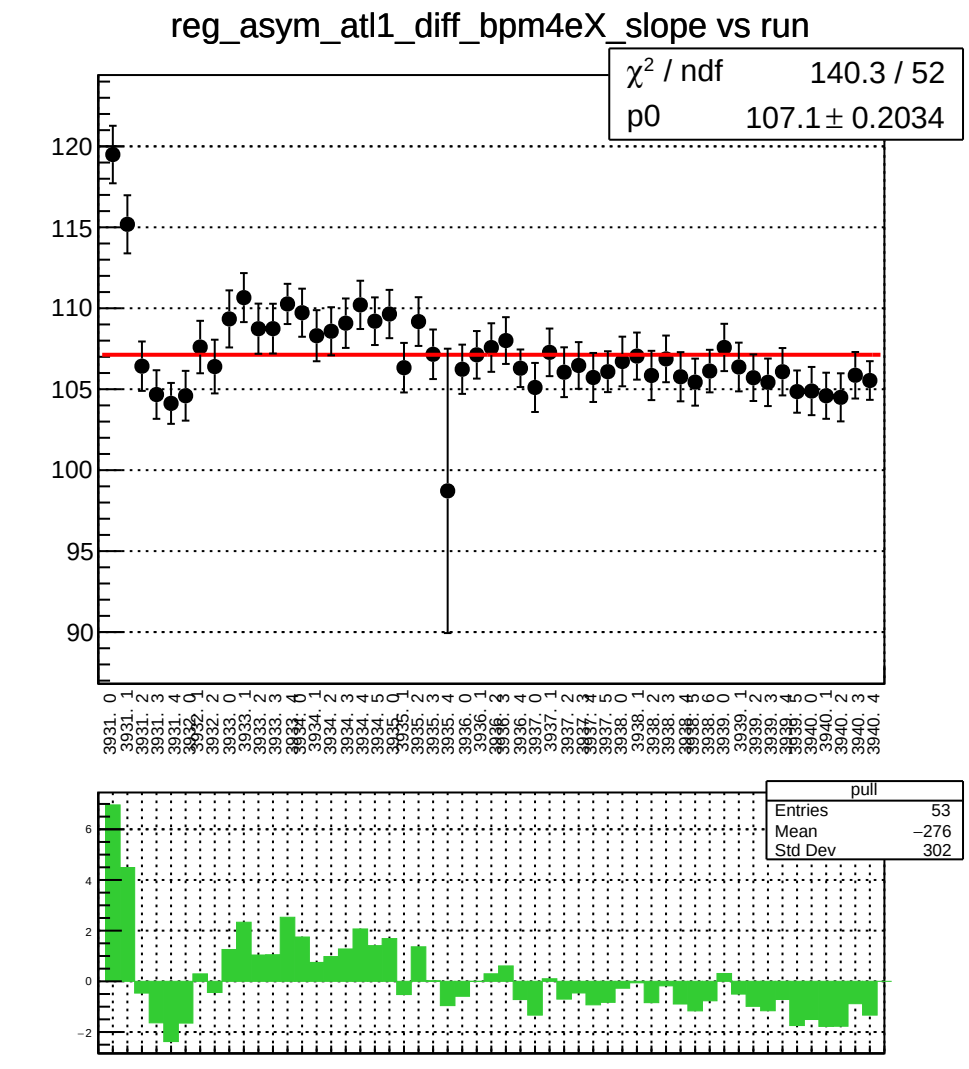

reg_asym_atr1_diff_bpm11X_slope vs run
χ² / ndf 319.8 / 52
p0 −180.4 ± 0.4509
pull
Entries 53
Mean 184.4
Std Dev 164
pull1D
Entries 53
Mean −0.5539
Std Dev 0.5849

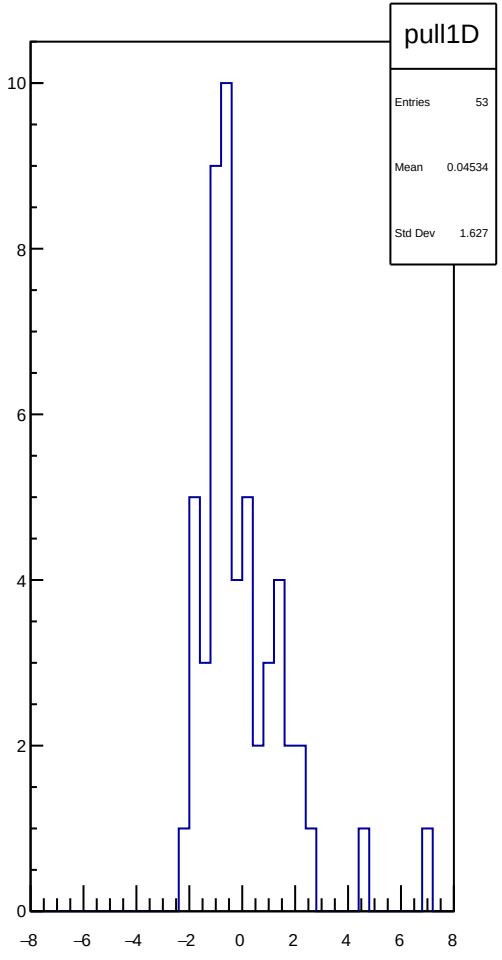

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 33.64 / 52
p0 −27.46 ± 1.313
pull
Entries 53
Mean −82.99
Std Dev 93.09

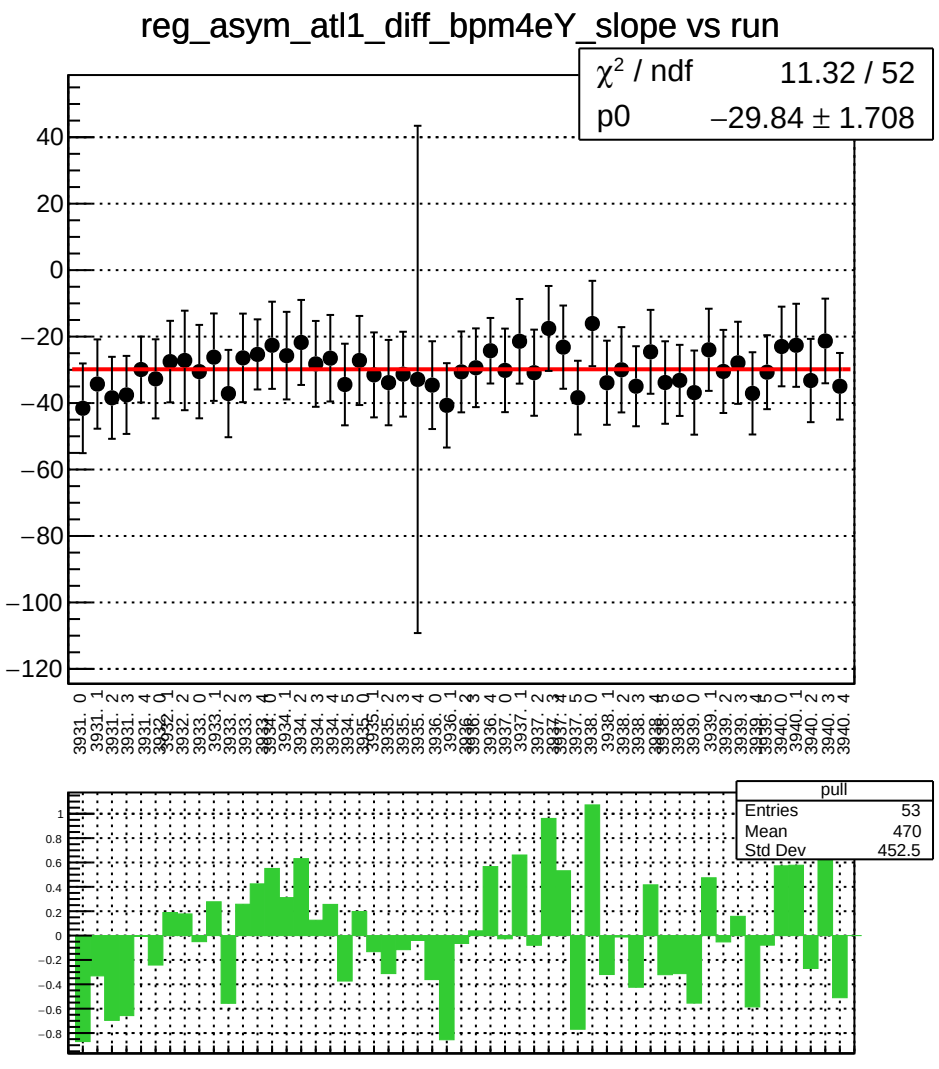

pull1D
Entries 53
Mean 0.02198
Std Dev 0.7964

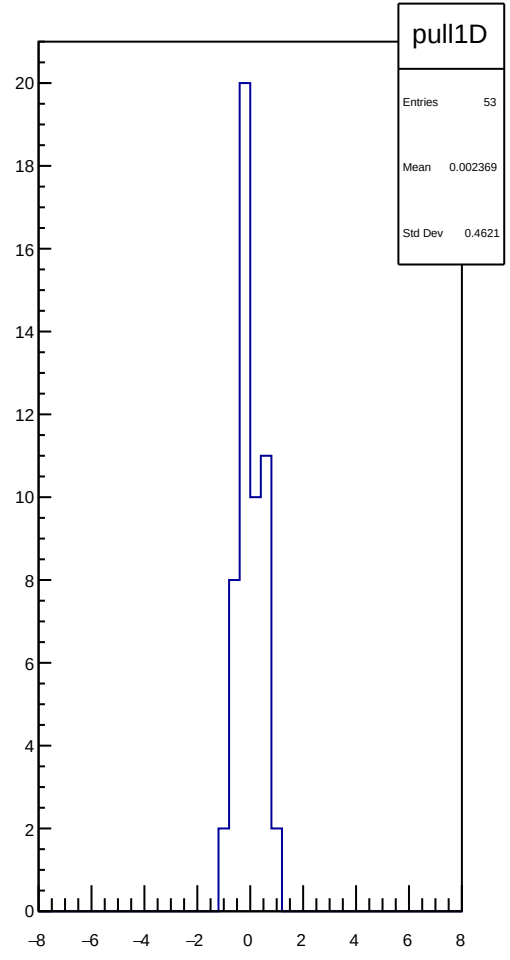

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 10.8 / 52
p0 4.604 ± 1.01
pull
Entries 53
Mean 53.58
Std Dev 42.94

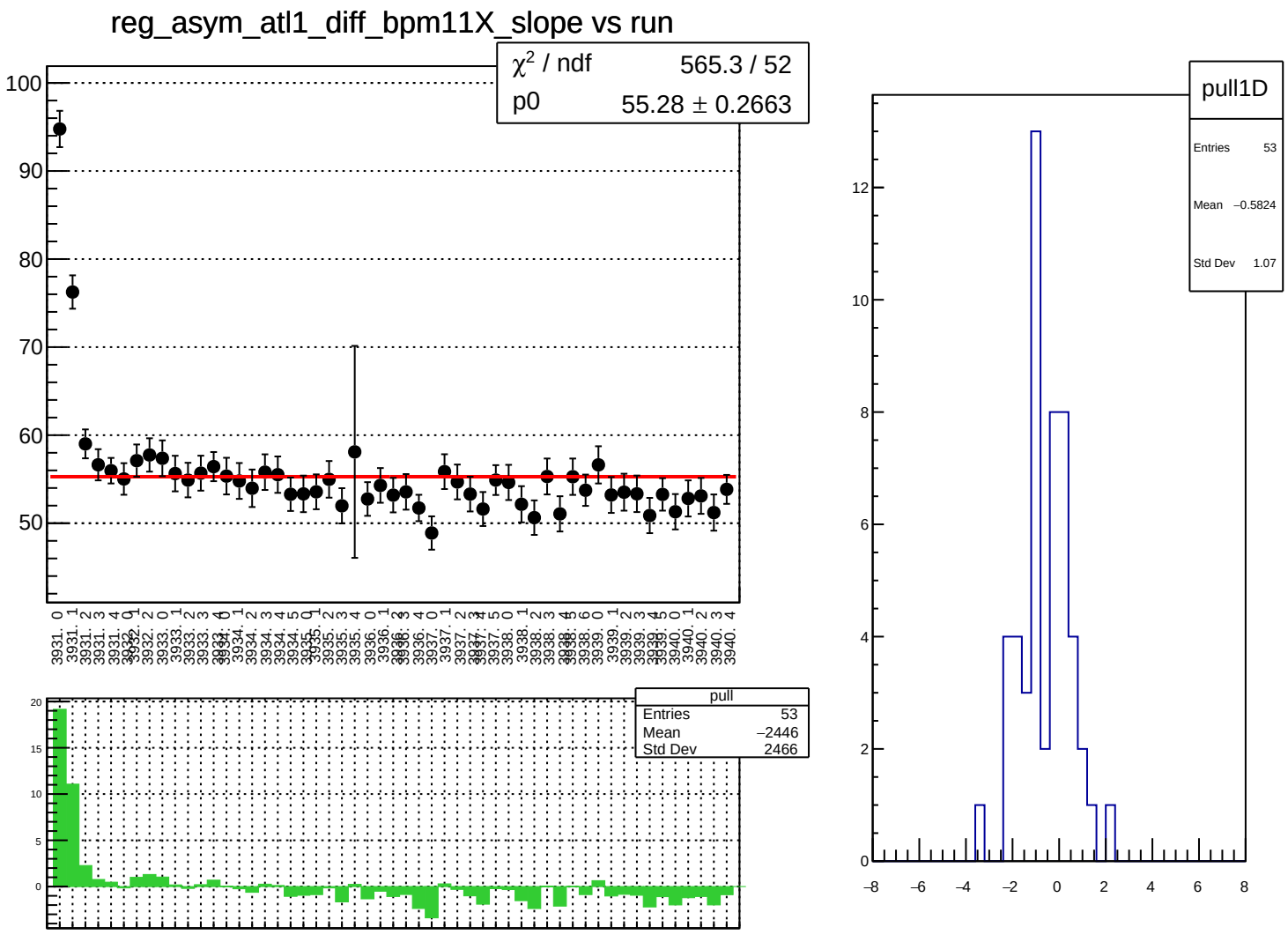

pull1D
Entries 53
Mean −0.01151
Std Dev 0.4512

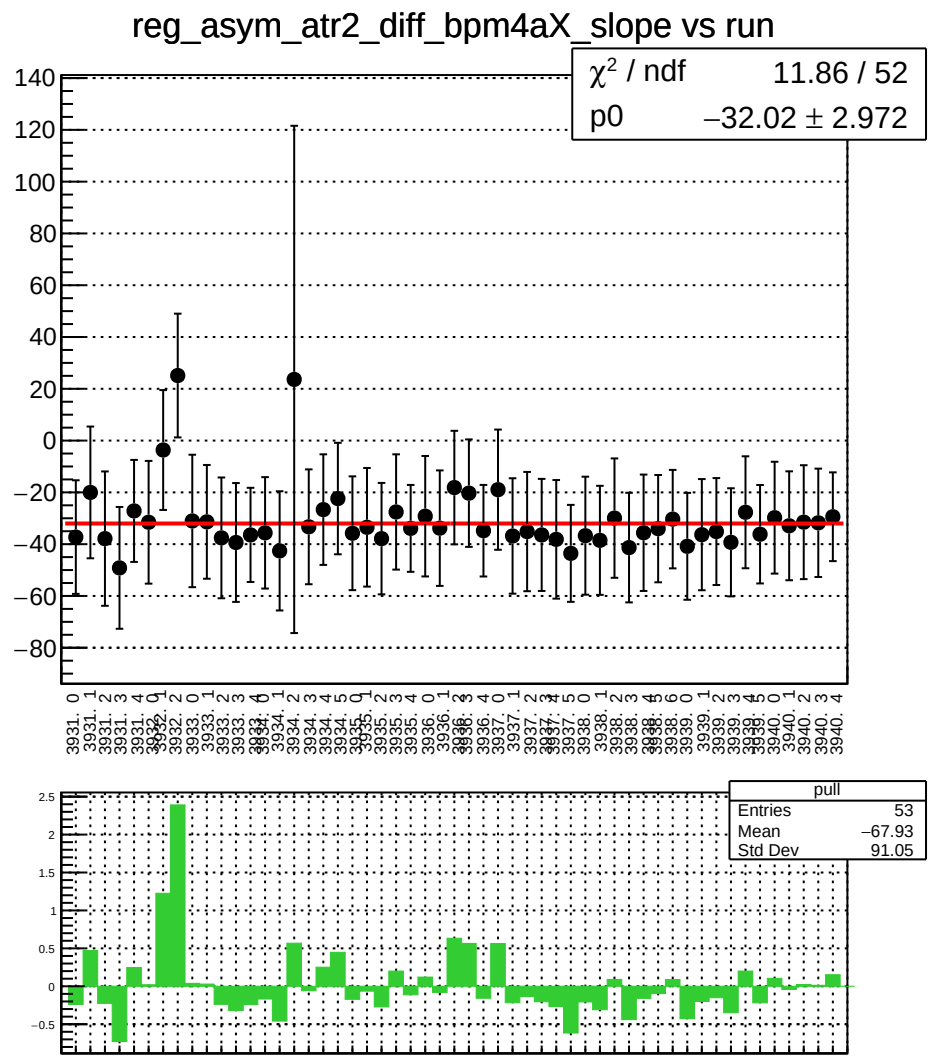

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 140.3 / 52
p0 107.1 ± 0.2034
pull
Entries 53
Mean −276
Std Dev 302

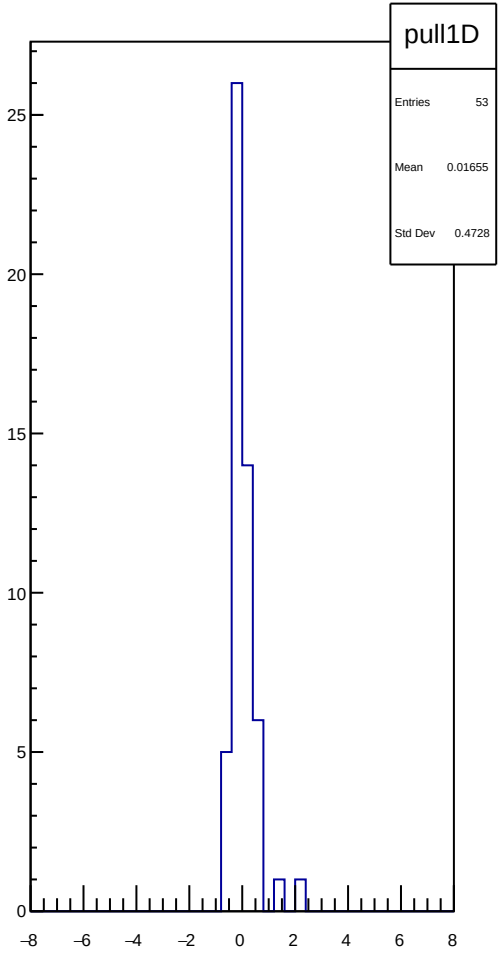

pull1D
Entries 53
Mean 0.04534
Std Dev 1.627

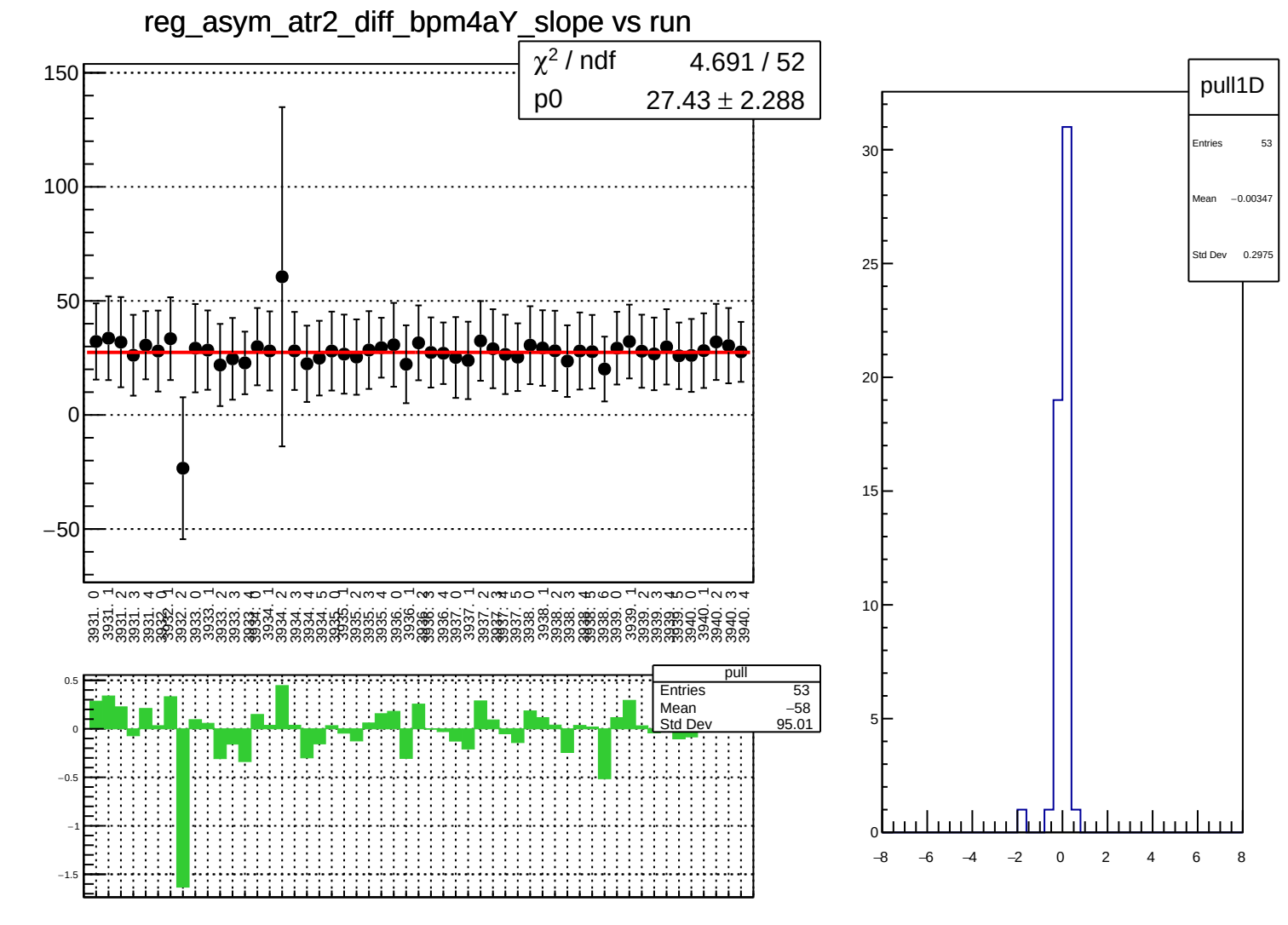

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 11.32 / 52
p0 −29.84 ± 1.708
pull
Entries 53
Mean 470
Std Dev 452.5

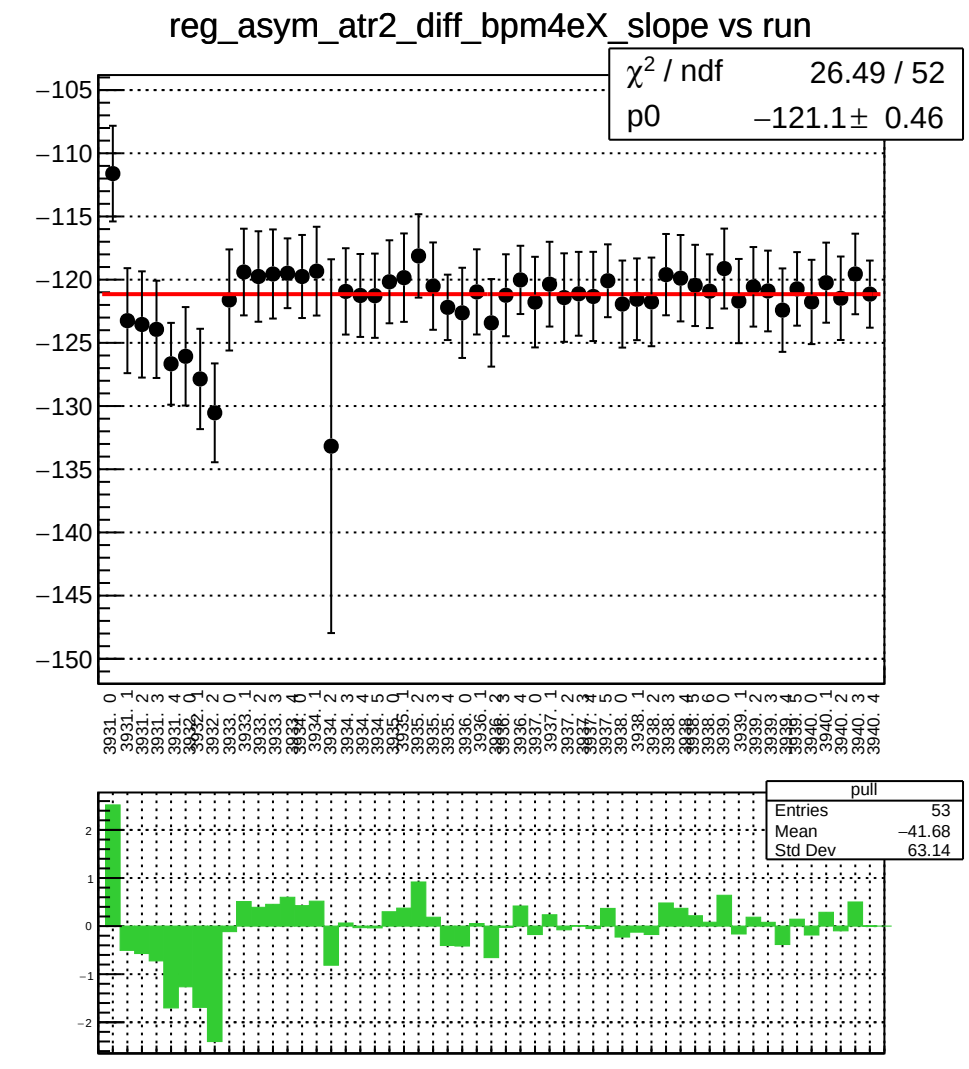

pull1D
Entries 53
Mean 0.002369
Std Dev 0.4621

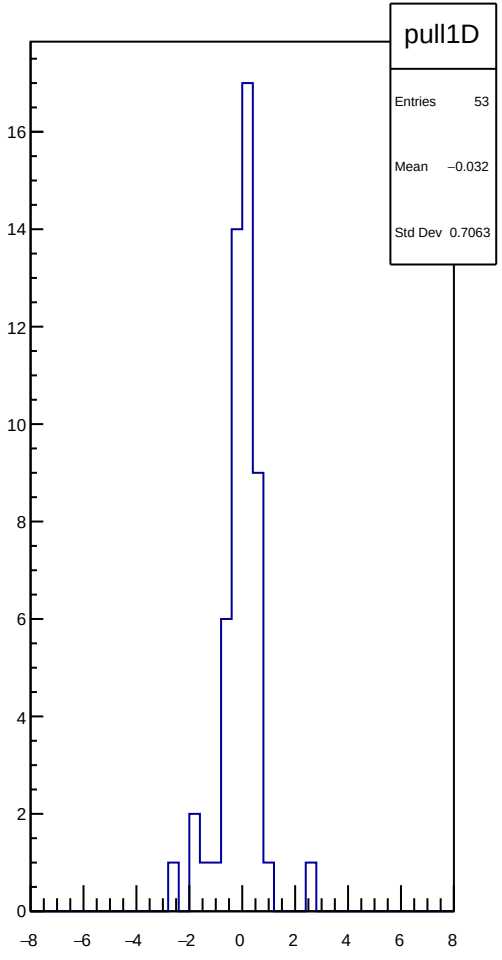

reg_asym_atl1_diff_bpm11X_slope vs run
χ² / ndf 565.3 / 52
p0 55.28 ± 0.2663
pull
Entries 53
Mean −2446
Std Dev 2466
pull1D
Entries 53
Mean −0.5824
Std Dev 1.07

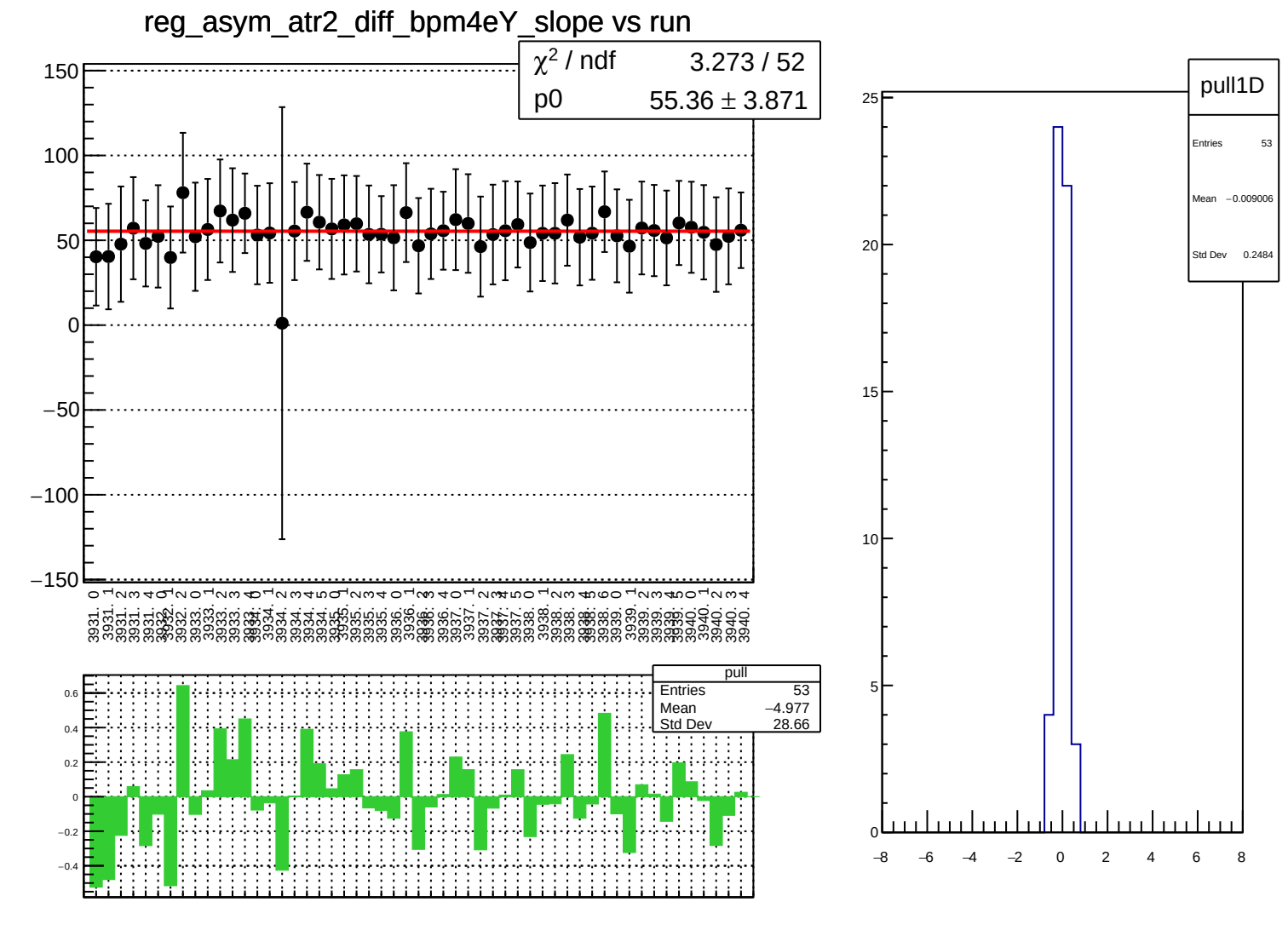

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 11.86 / 52
p0 −32.02 ± 2.972
pull
Entries 53
Mean −67.93
Std Dev 91.05

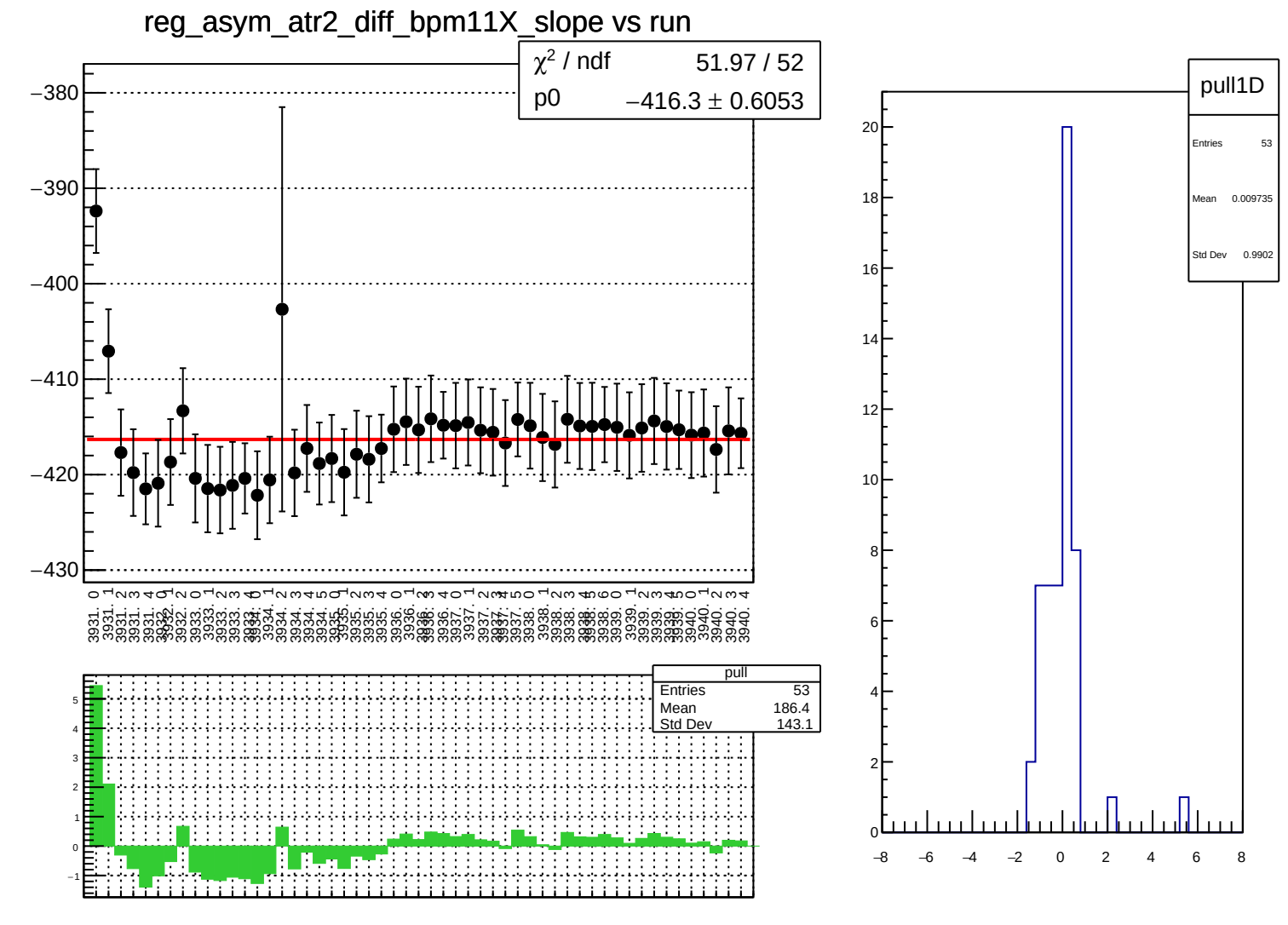

pull1D
Entries 53
Mean 0.01655
Std Dev 0.4728

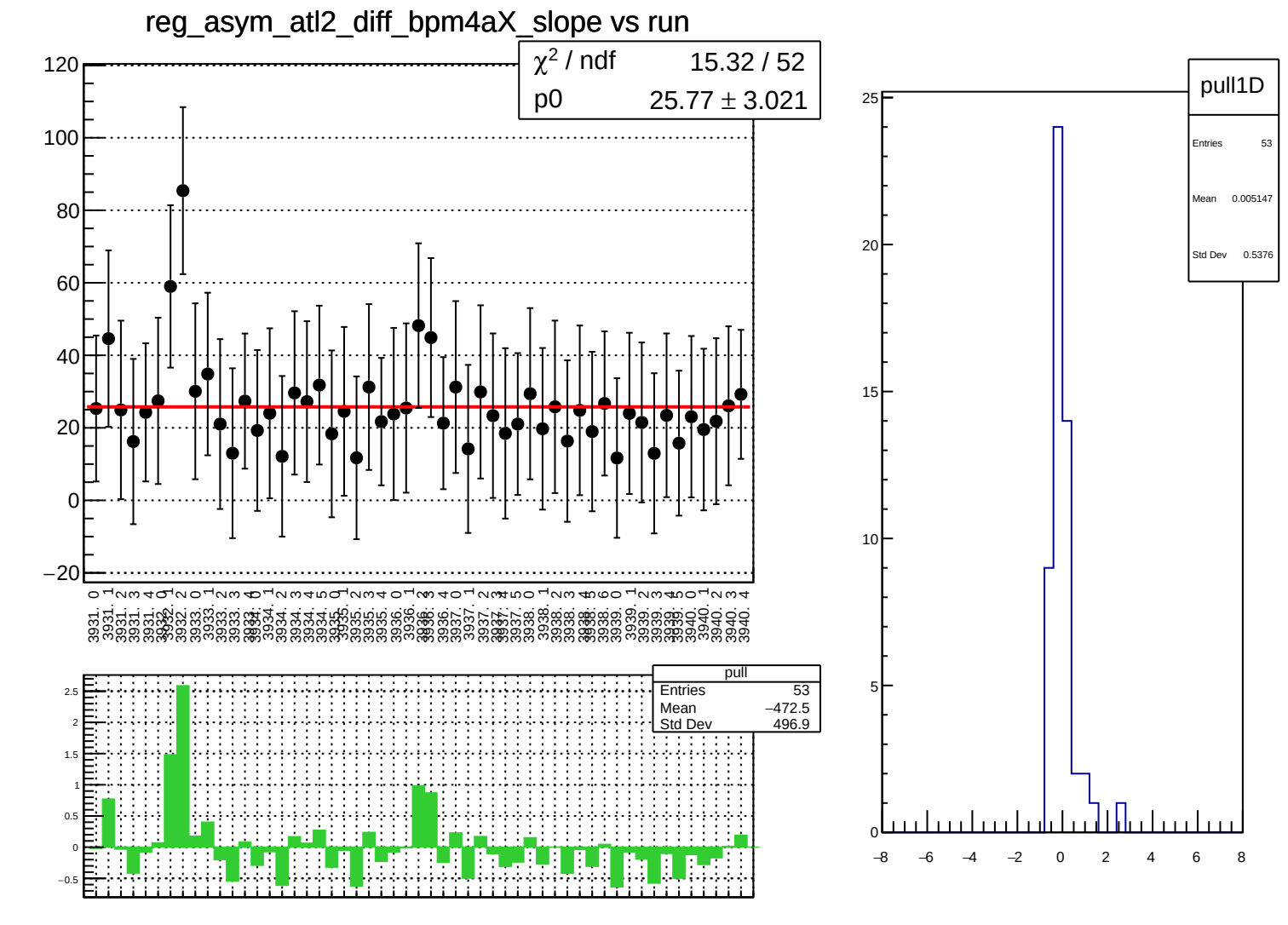

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.691 / 52
p0 27.43 ± 2.288
pull
Entries 53
Mean −58
Std Dev 95.01
pull1D
Entries 53
Mean −0.00347
Std Dev 0.2975

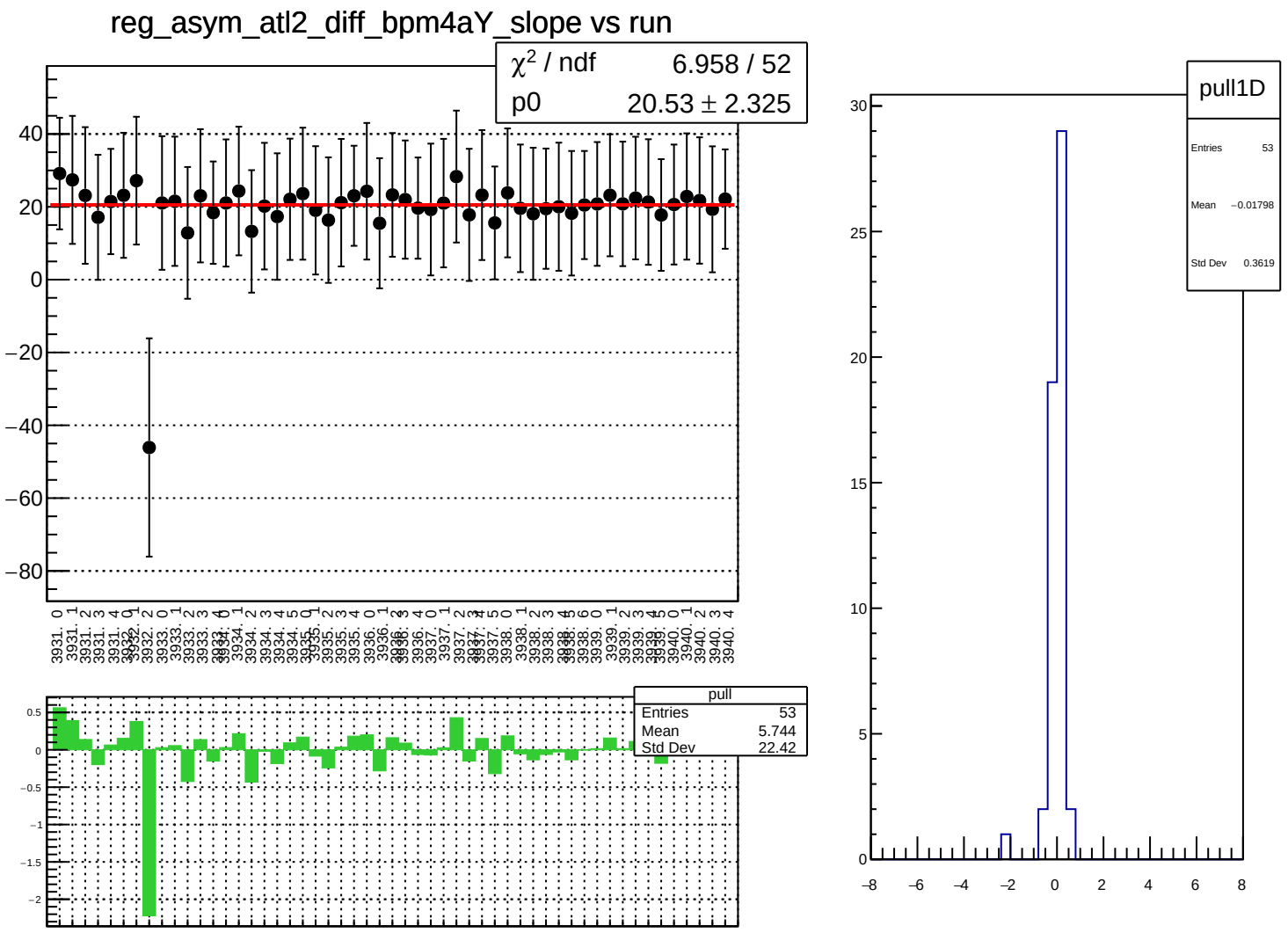

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 26.49 / 52
p0 −121.1± 0.46
pull
Entries 53
Mean −41.68
Std Dev 63.14

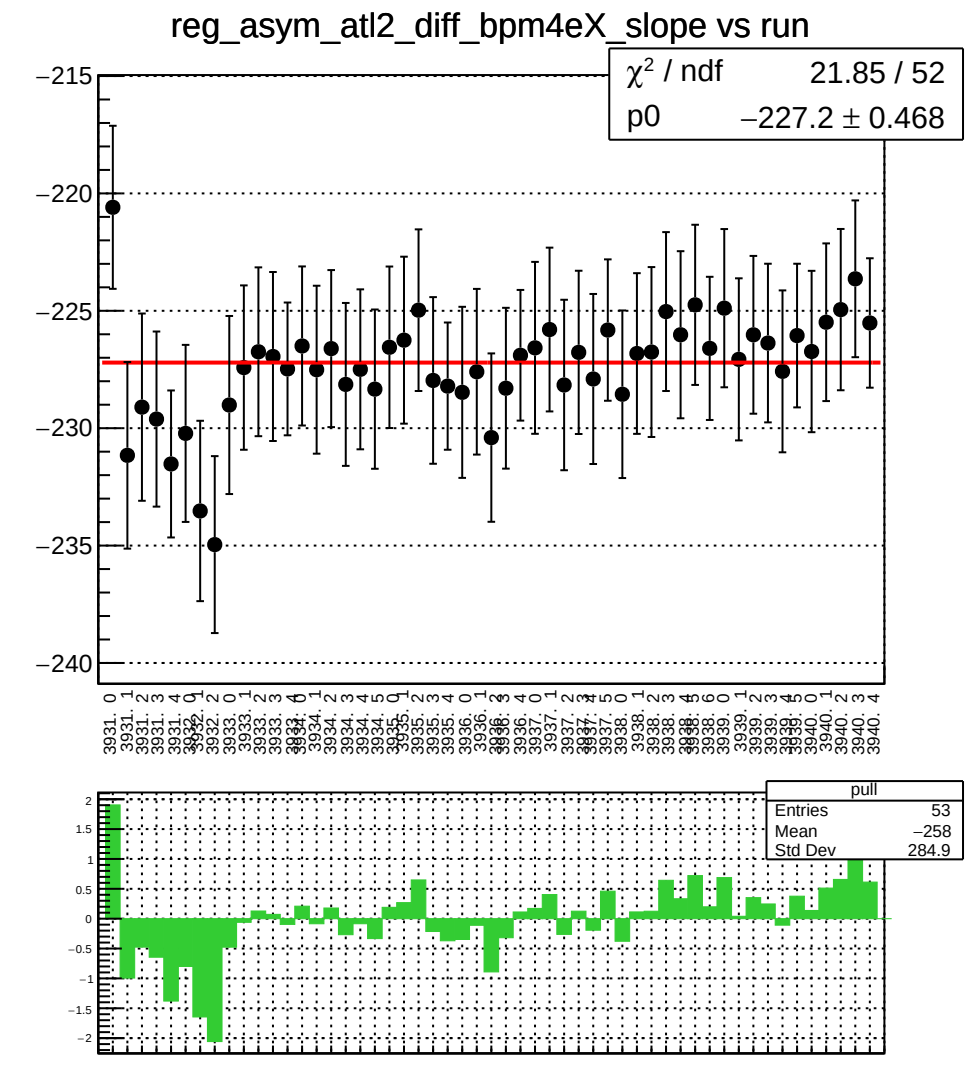

pull1D
Entries 53
Mean −0.032
Std Dev 0.7063

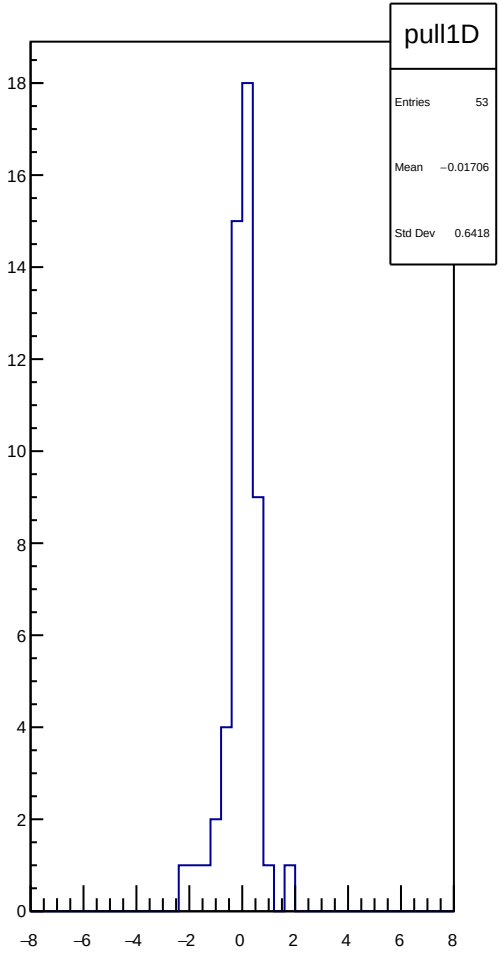

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 3.273 / 52
p0 55.36 ± 3.871
pull
Entries 53
Mean −4.977
Std Dev 28.66
pull1D
Entries 53
Mean −0.009006
Std Dev 0.2484

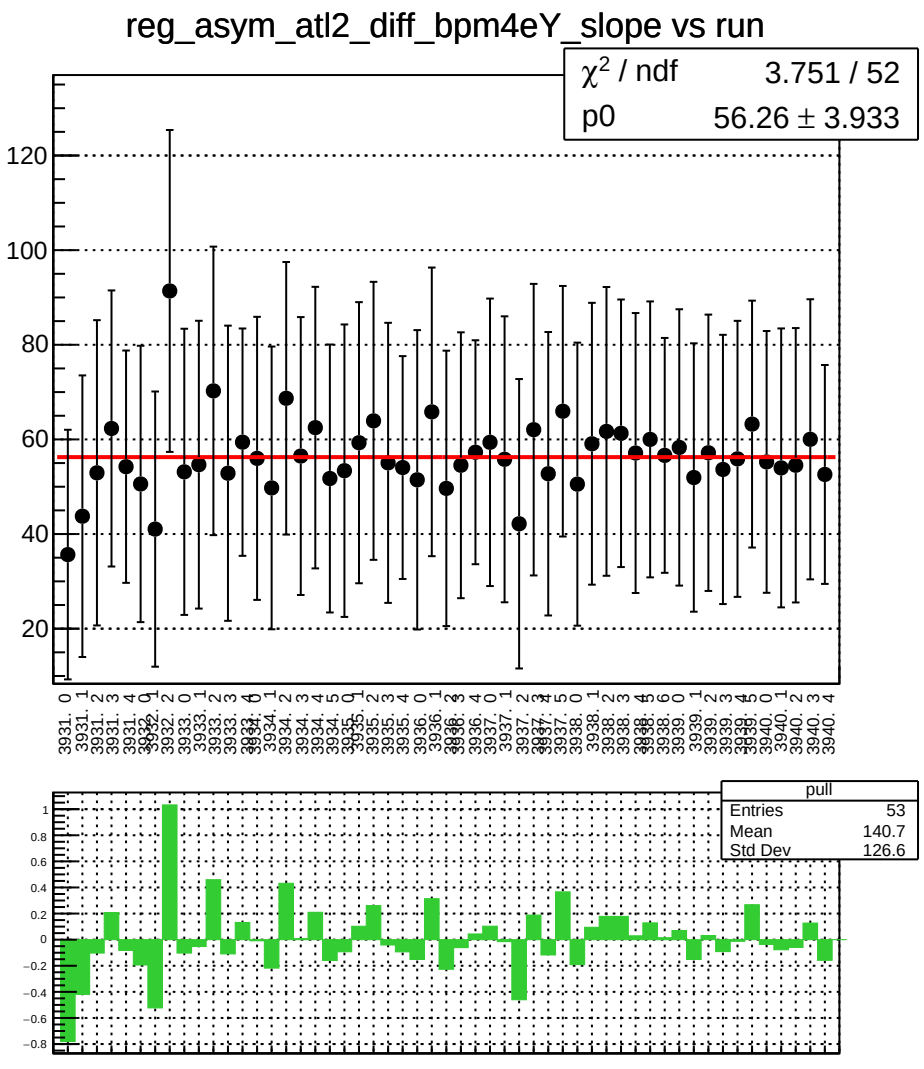

reg_asym_atr2_diff_bpm11X_slope vs run
χ² / ndf 51.97 / 52
p0 −416.3 ± 0.6053
pull
Entries 53
Mean 186.4
Std Dev 143.1
pull1D
Entries 53
Mean 0.009735
Std Dev 0.9902

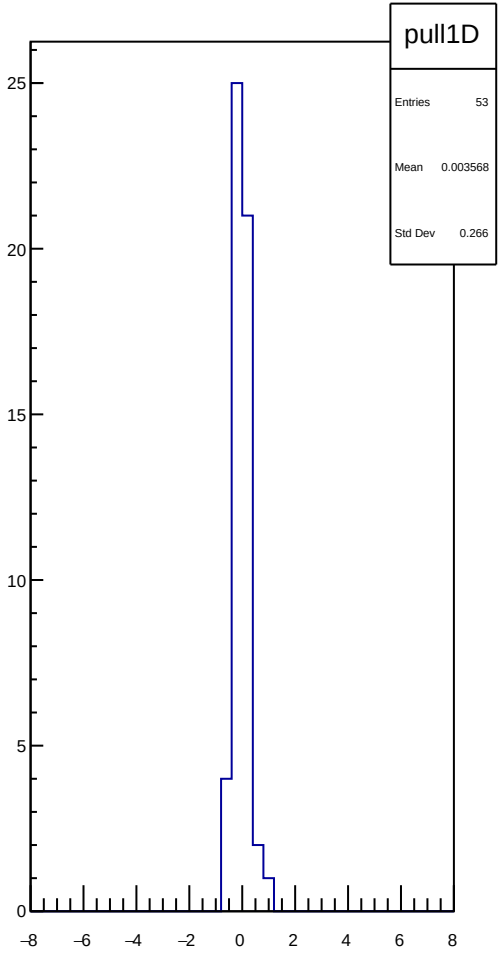

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 15.32 / 52
p0 25.77 ± 3.021
pull
Entries 53
Mean −472.5
Std Dev 496.9
pull1D
Entries 53
Mean 0.005147
Std Dev 0.5376

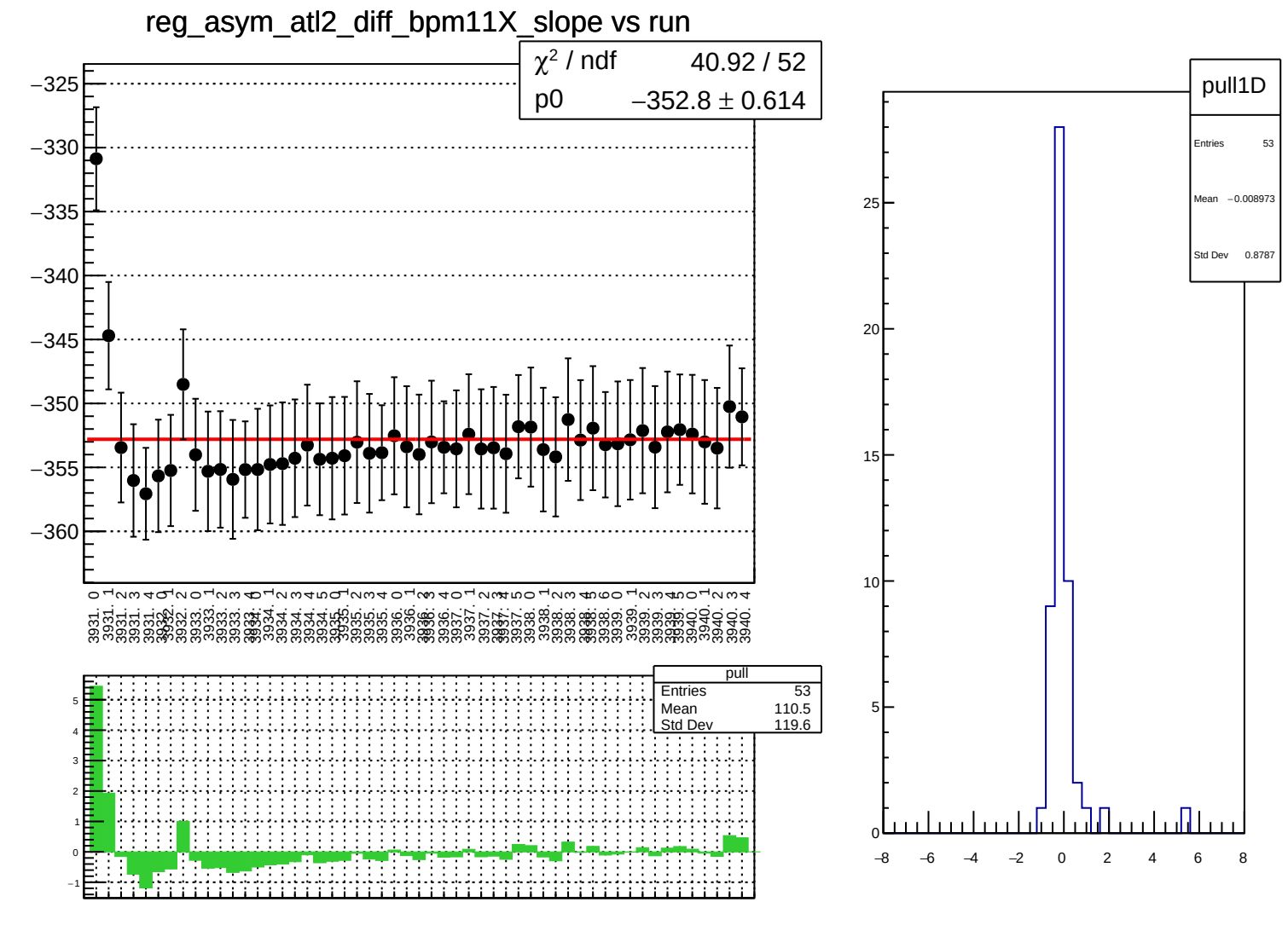

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.958 / 52
p0 20.53 ± 2.325
pull
Entries 53
Mean 5.744
Std Dev 22.42
pull1D
Entries 53
Mean −0.01798
Std Dev 0.3619

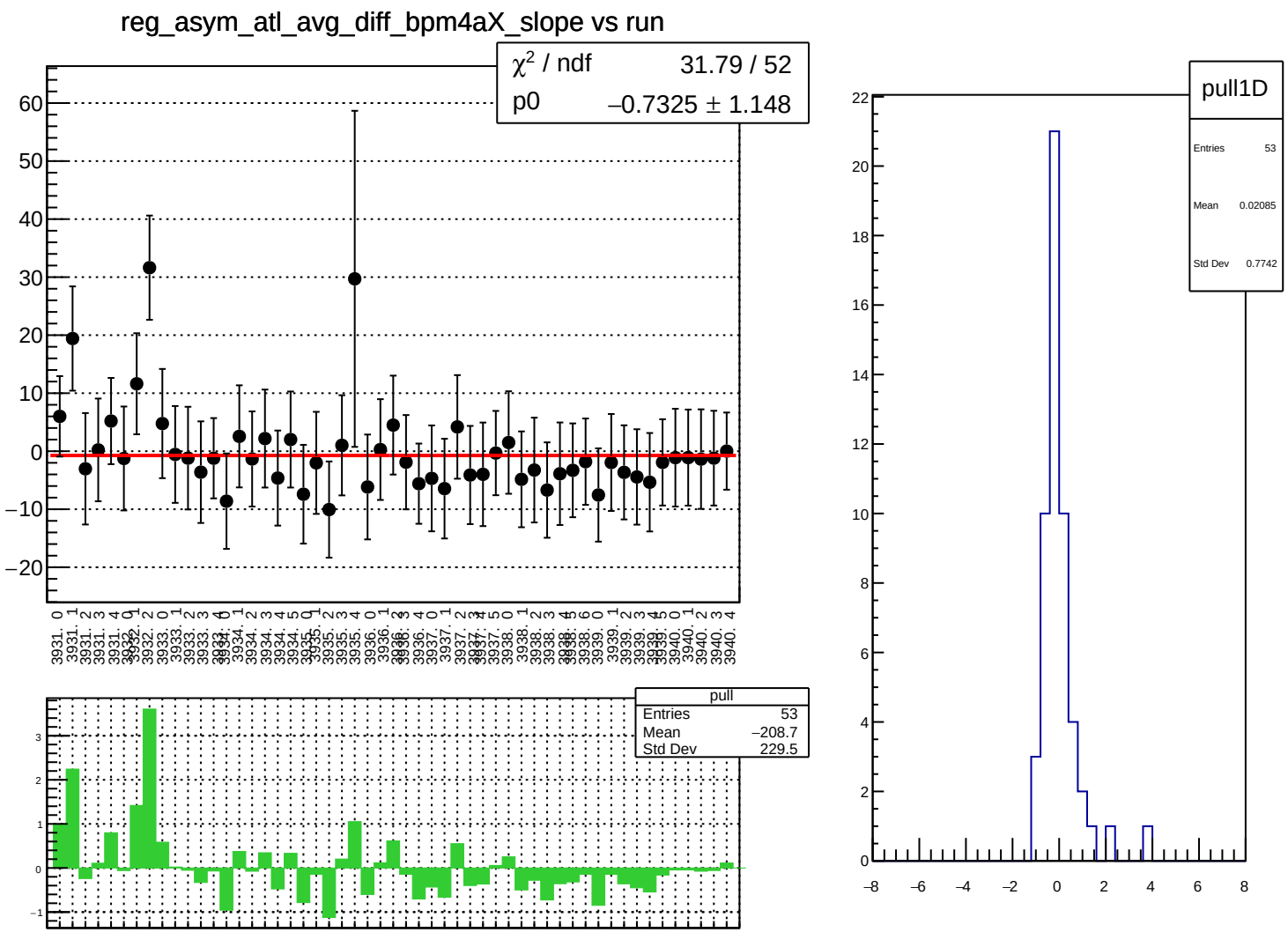

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 21.85 / 52
p0 −227.2 ± 0.468
pull
Entries 53
Mean −258
Std Dev 284.9

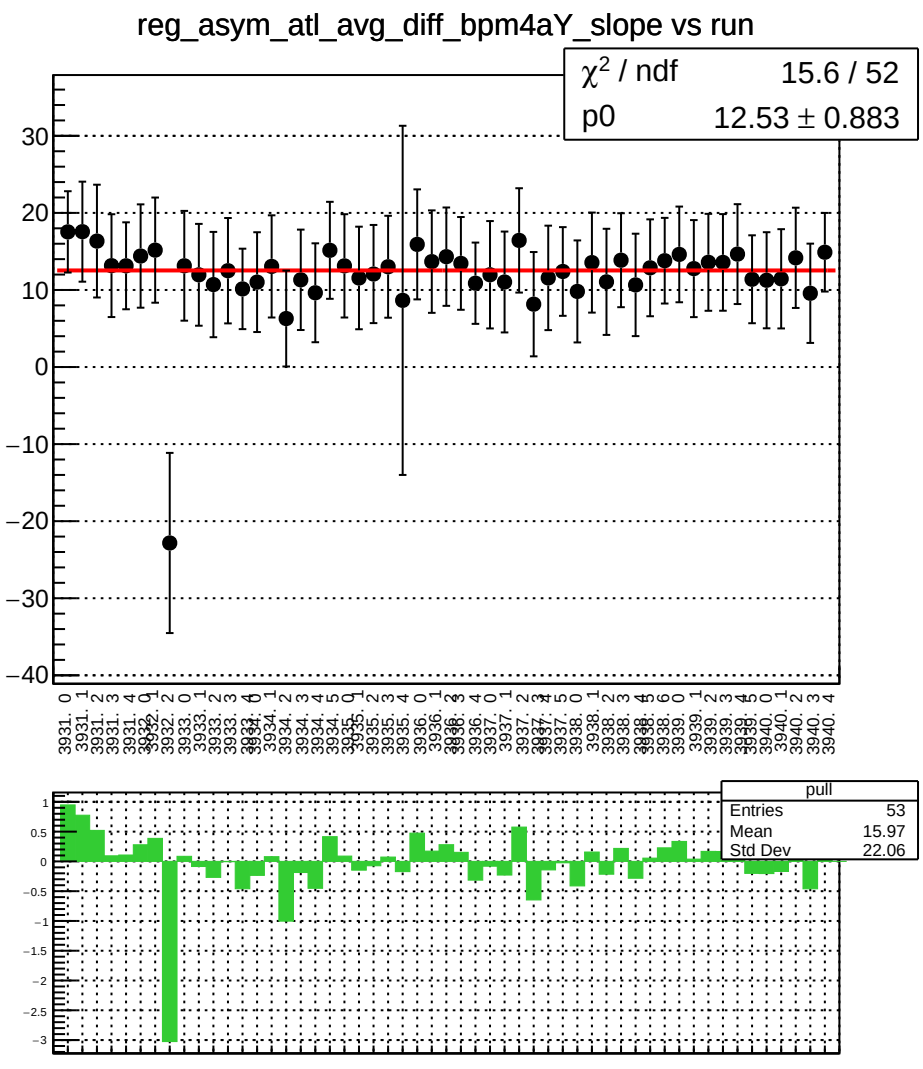

pull1D
Entries 53
Mean −0.01706
Std Dev 0.6418

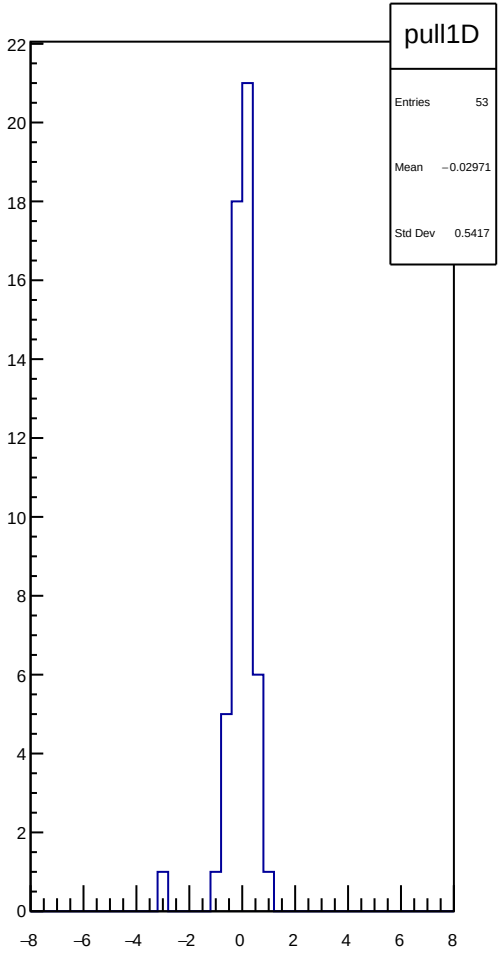

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 3.751 / 52
p0 56.26 ± 3.933
pull
Entries 53
Mean 140.7
Std Dev 126.6

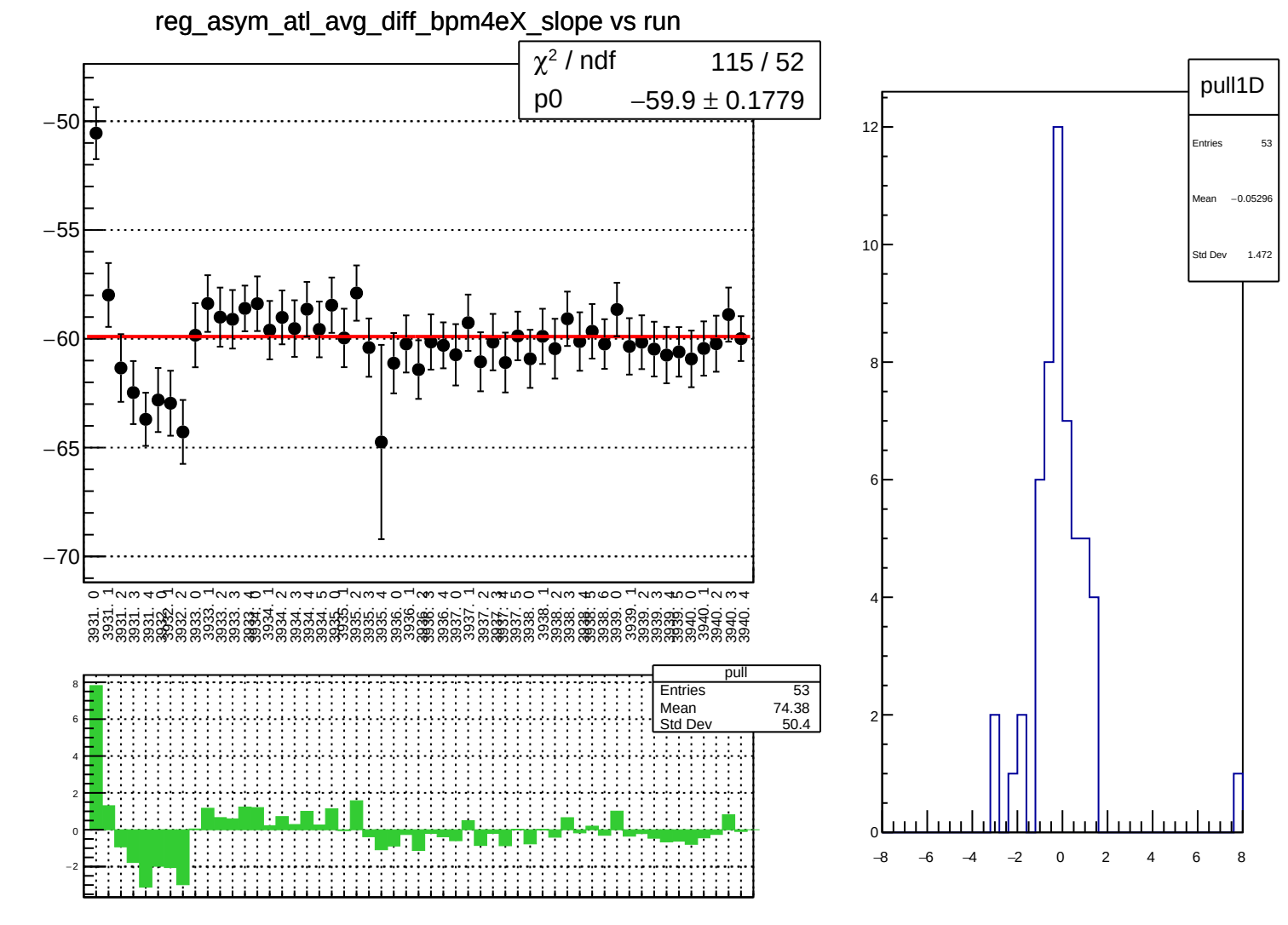

pull1D
Entries 53
Mean 0.003568
Std Dev 0.266

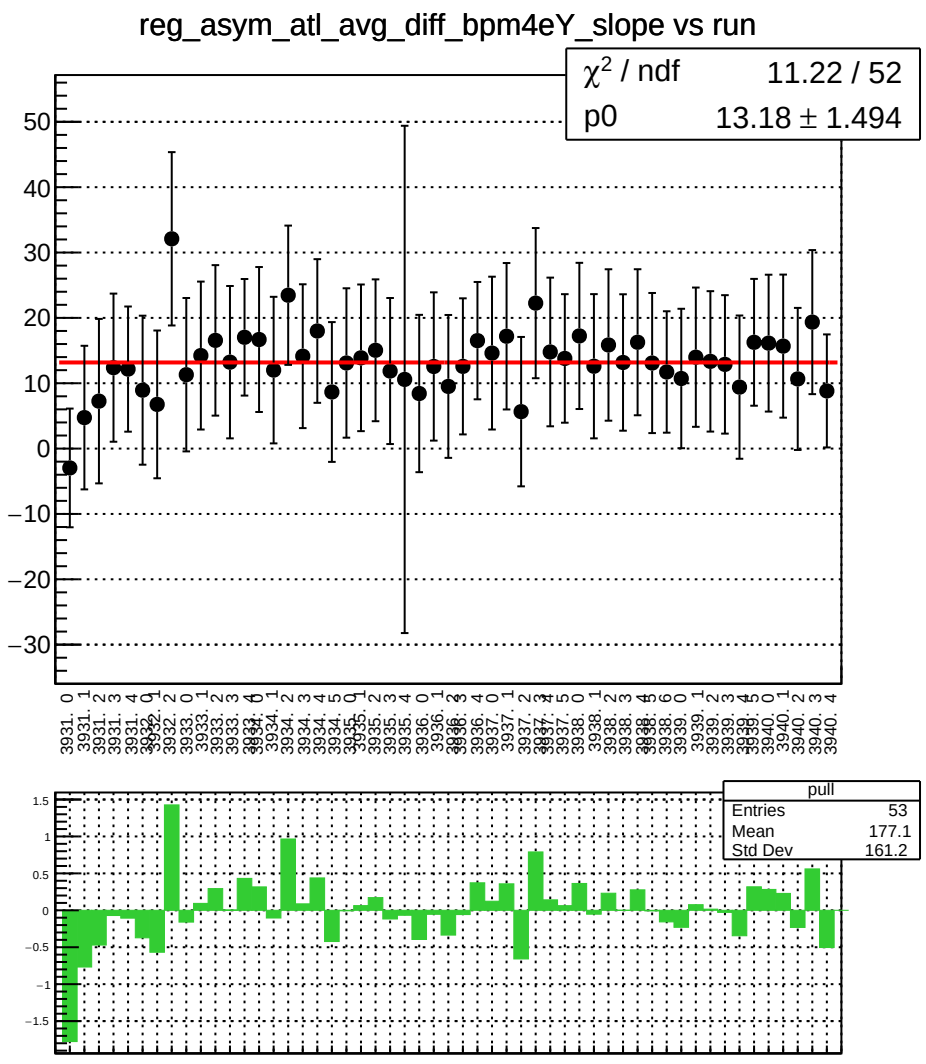

reg_asym_atl2_diff_bpm11X_slope vs run
χ² / ndf 40.92 / 52
p0 −352.8 ± 0.614
pull
Entries 53
Mean 110.5
Std Dev 119.6
pull1D
Entries 53
Mean −0.008973
Std Dev 0.8787

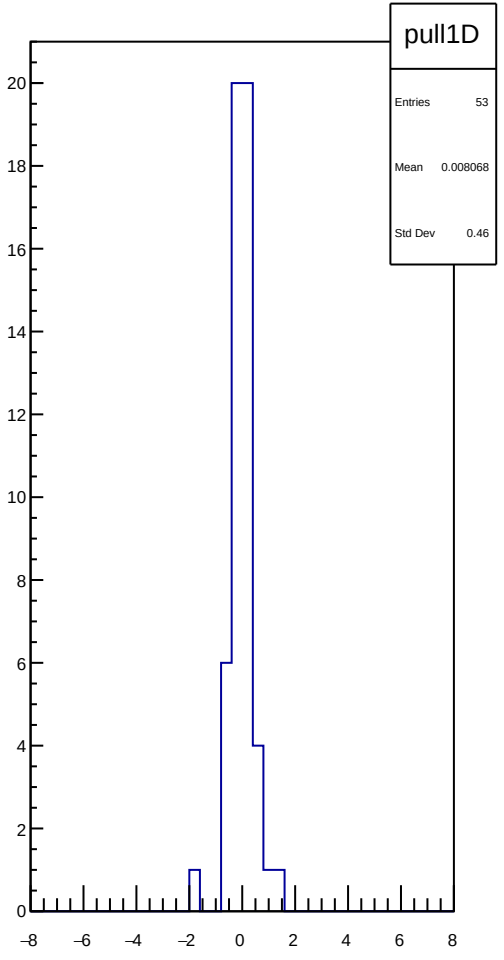

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 31.79 / 52
p0 −0.7325 ± 1.148
pull
Entries 53
Mean −208.7
Std Dev 229.5
pull1D
Entries 53
Mean 0.02085
Std Dev 0.7742

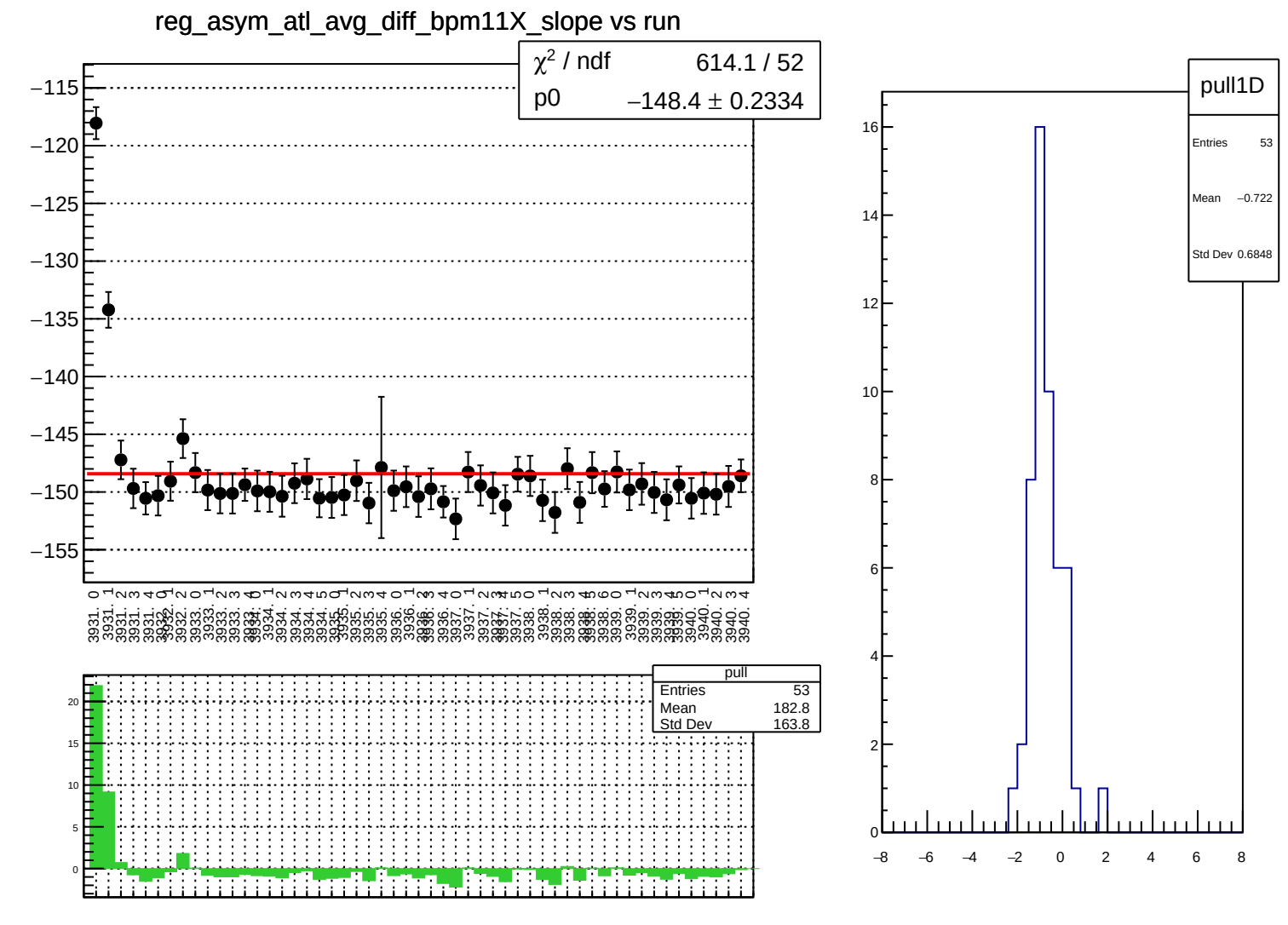

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.6 / 52
p0 12.53 ± 0.883
pull
Entries 53
Mean 15.97
Std Dev 22.06

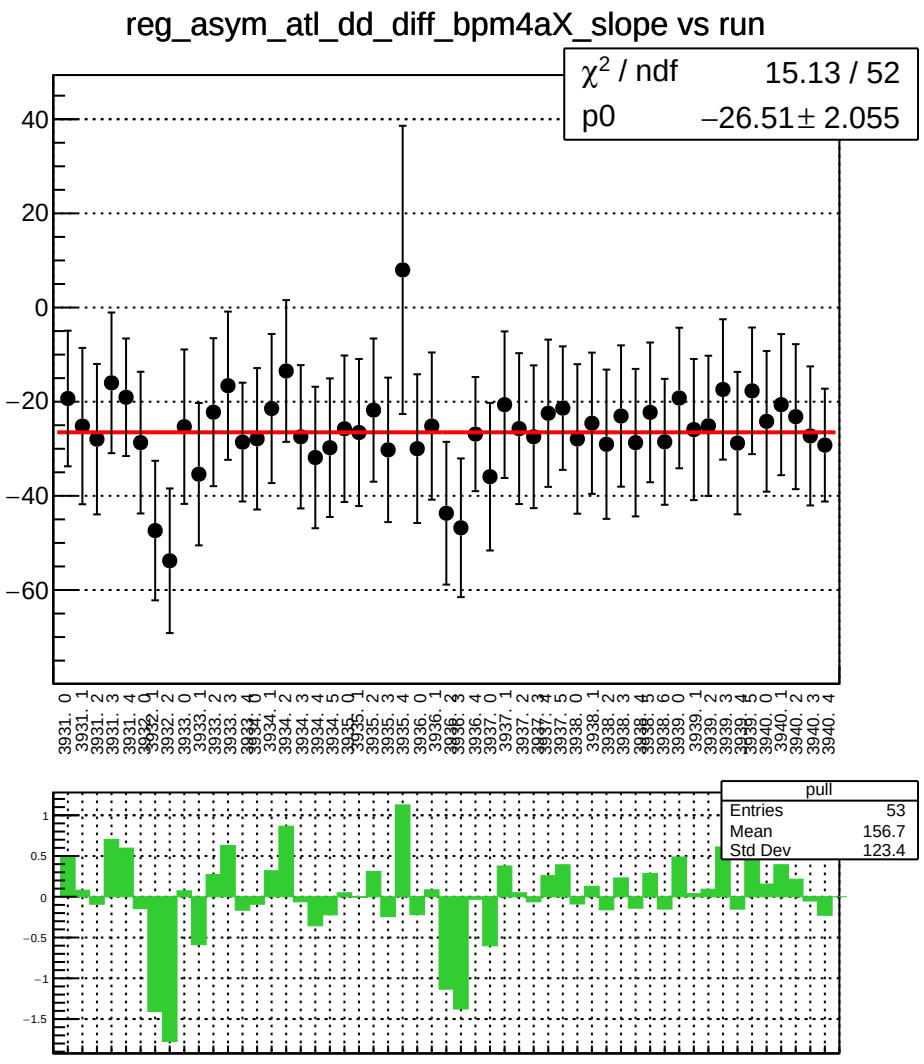

pull1D
Entries 53
Mean −0.02971
Std Dev 0.5417

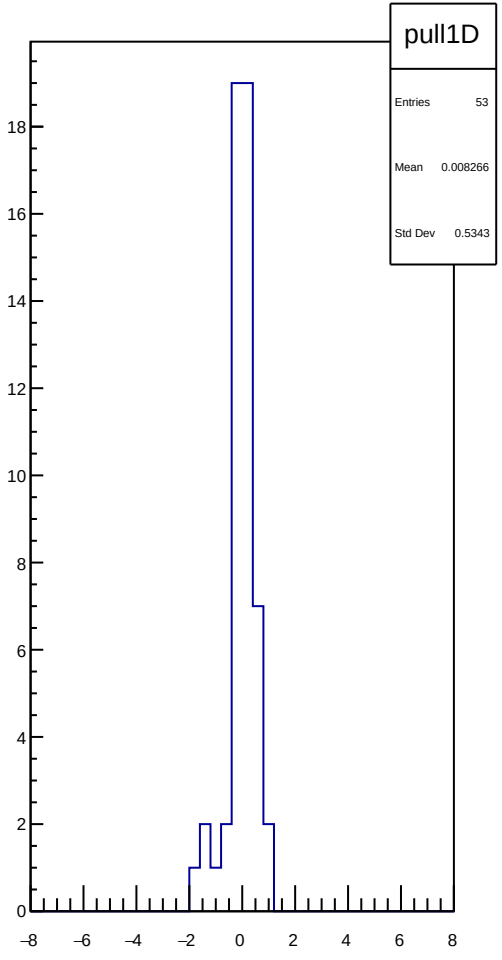

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 115 / 52
p0 −59.9 ± 0.1779
pull
Entries 53
Mean 74.38
Std Dev 50.4
pull1D
Entries 53
Mean −0.05296
Std Dev 1.472

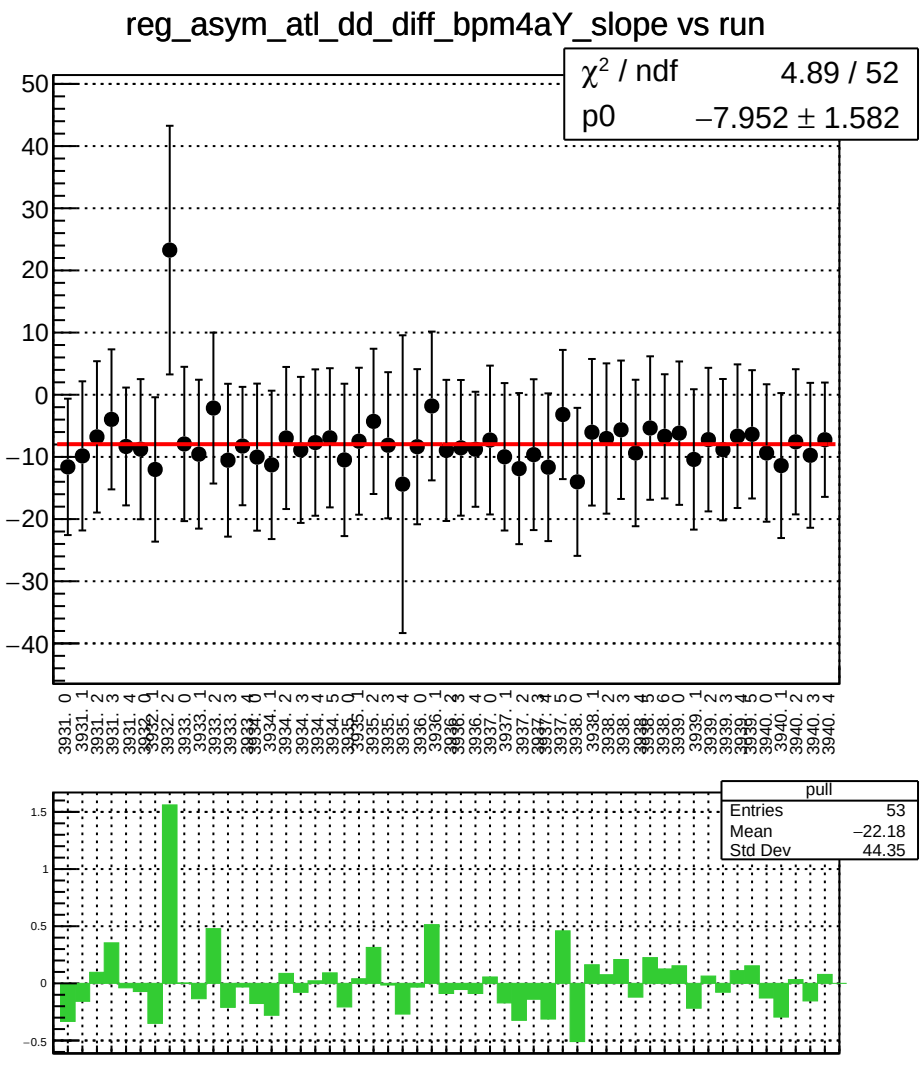

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.22 / 52
p0 13.18 ± 1.494
pull
Entries 53
Mean 177.1
Std Dev 161.2

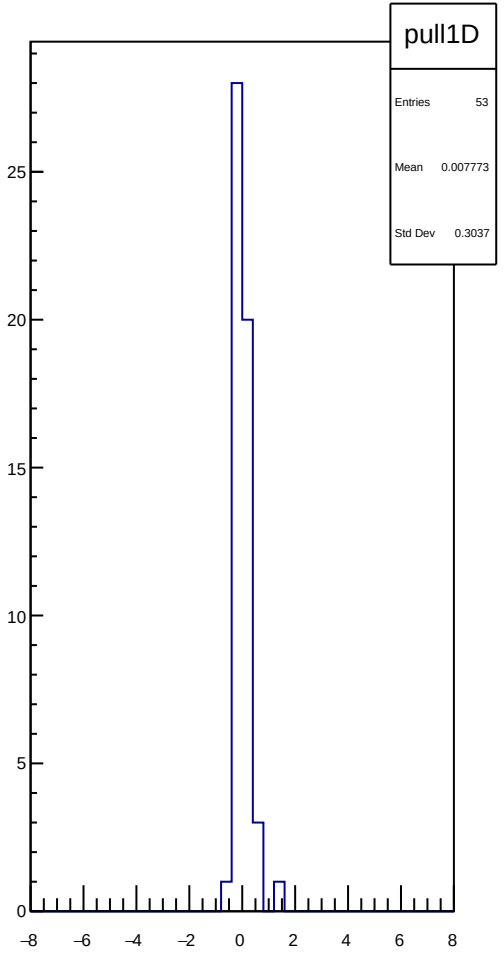

pull1D
Entries 53
Mean 0.008068
Std Dev 0.46

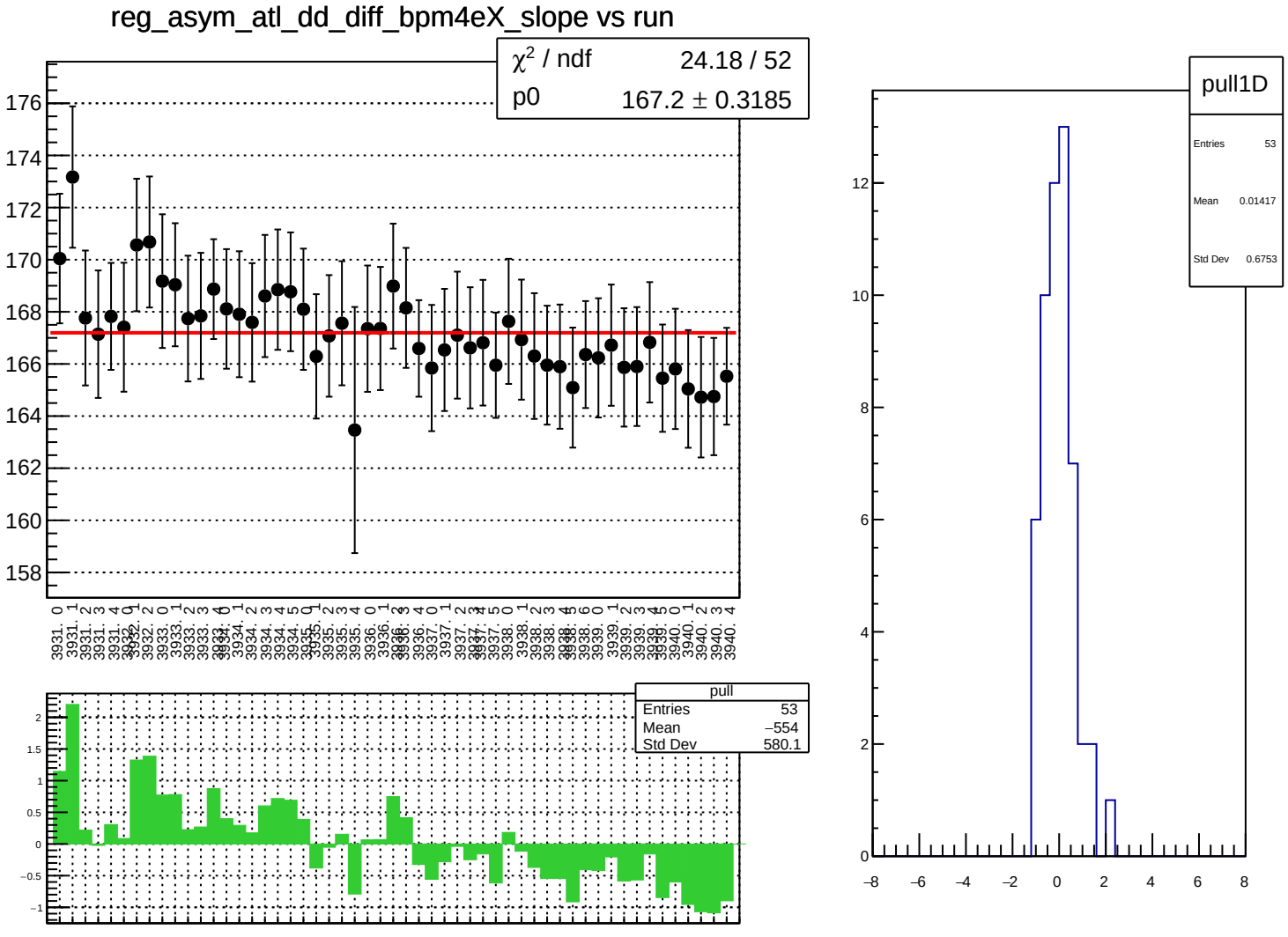

reg_asym_atl_avg_diff_bpm11X_slope vs run
χ² / ndf 614.1 / 52
p0 −148.4 ± 0.2334
pull
Entries 53
Mean 182.8
Std Dev 163.8
pull1D
Entries 53
Mean −0.722
Std Dev 0.6848

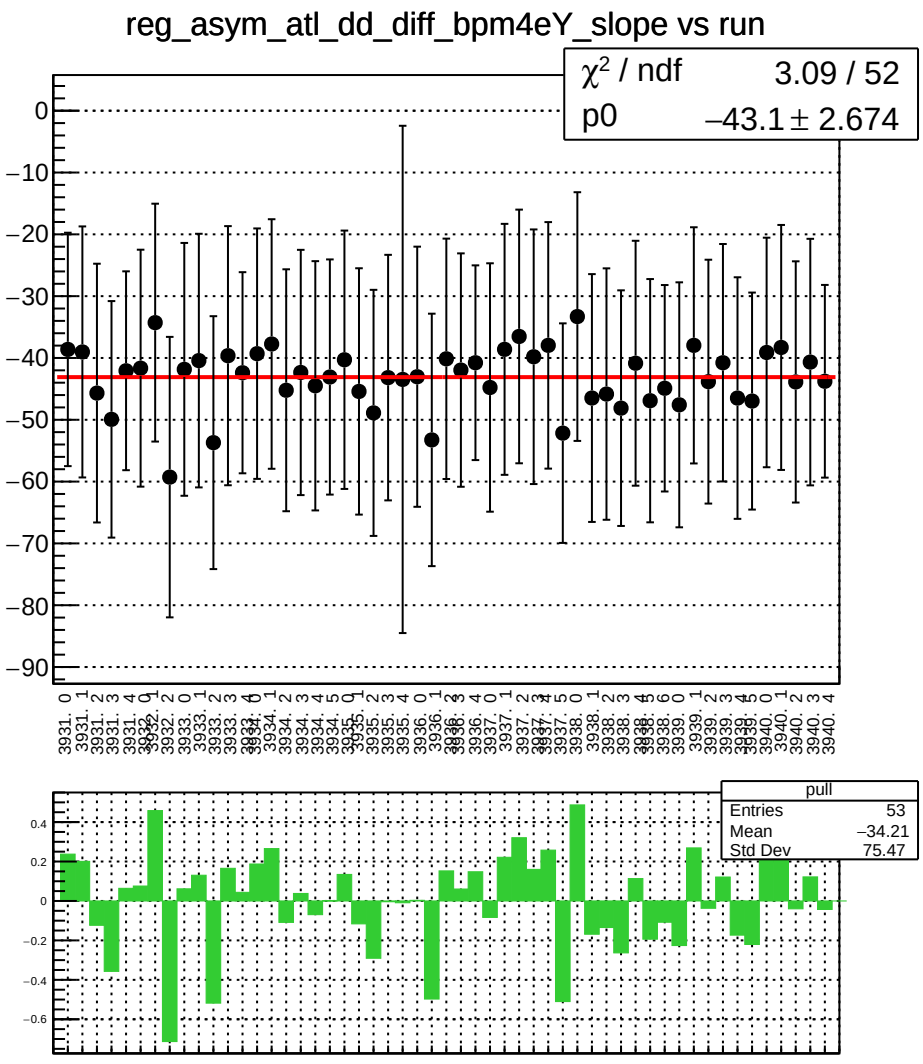

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 15.13 / 52
p0 −26.51 ± 2.055
40
20
0
−20
−40
−60
pull
Entries 53
Mean 156.7
Std Dev 123.4
1
0.5
0
−0.5
−1
−1.5

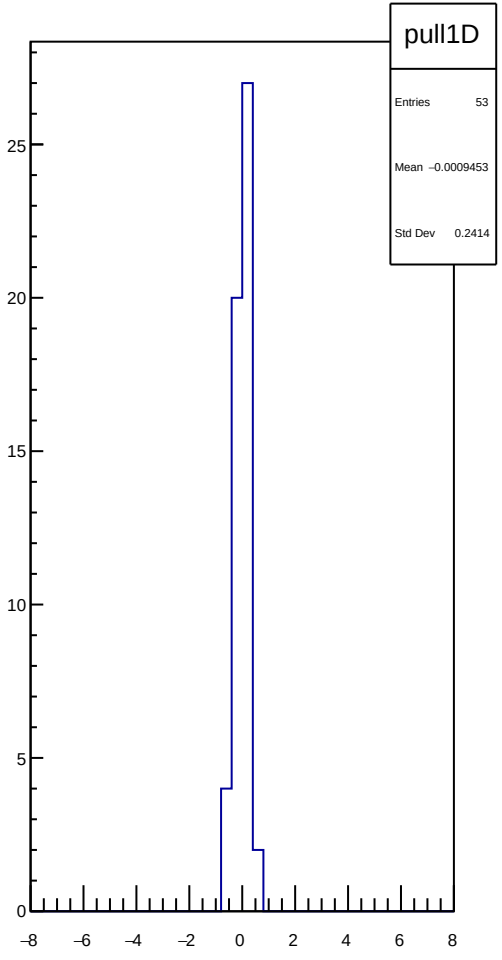

pull1D
Entries 53
Mean 0.008266
Std Dev 0.5343
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

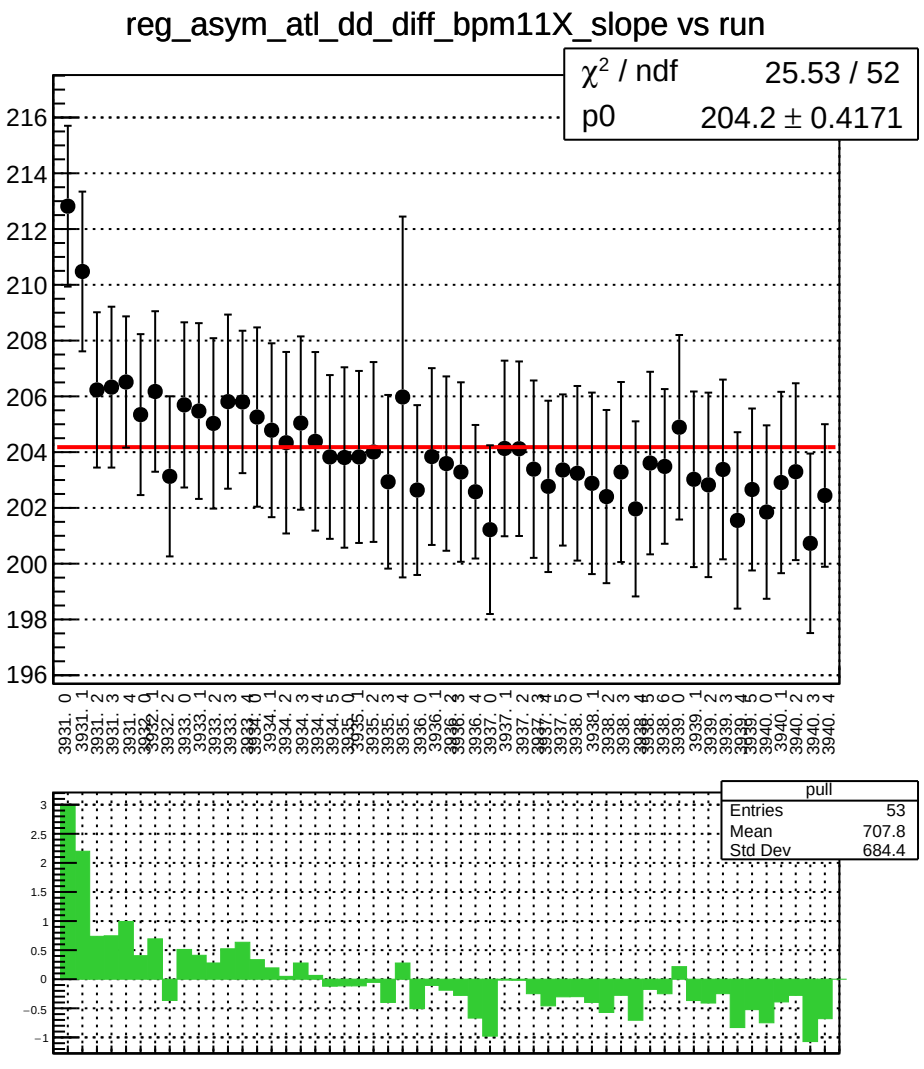

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.89 / 52
p0 −7.952 ± 1.582
pull
Entries 53
Mean −22.18
Std Dev 44.35

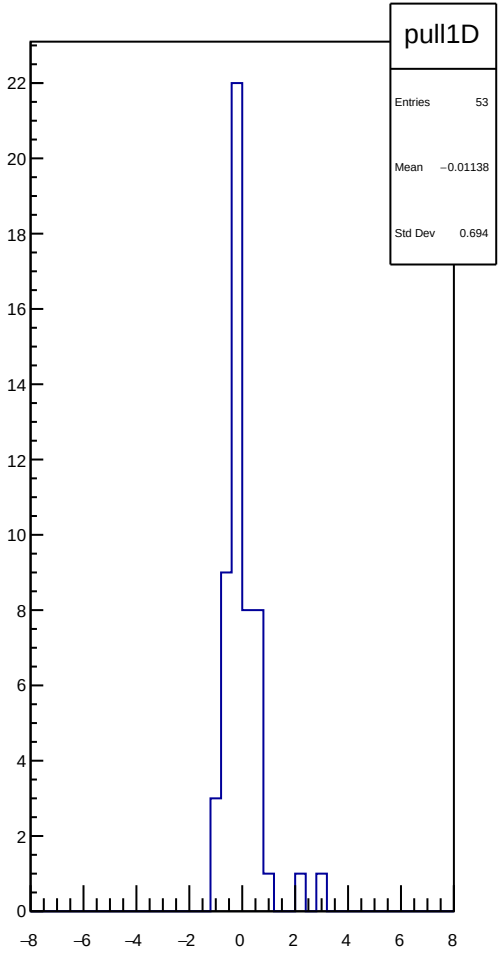

pull1D
Entries 53
Mean 0.007773
Std Dev 0.3037

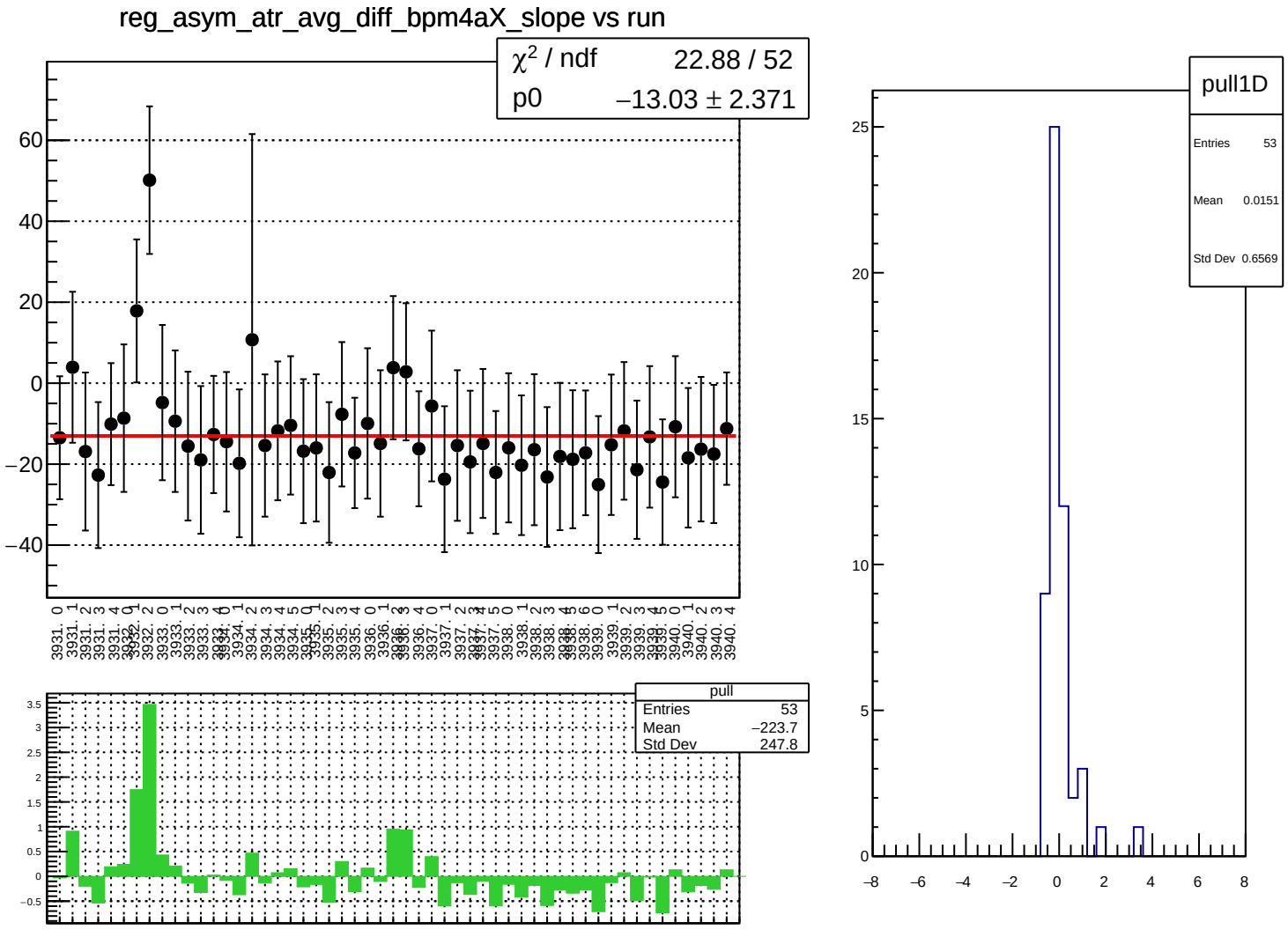

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.18 / 52
p0 167.2 ± 0.3185
pull
Entries 53
Mean −554
Std Dev 580.1
pull1D
Entries 53
Mean 0.01417
Std Dev 0.6753

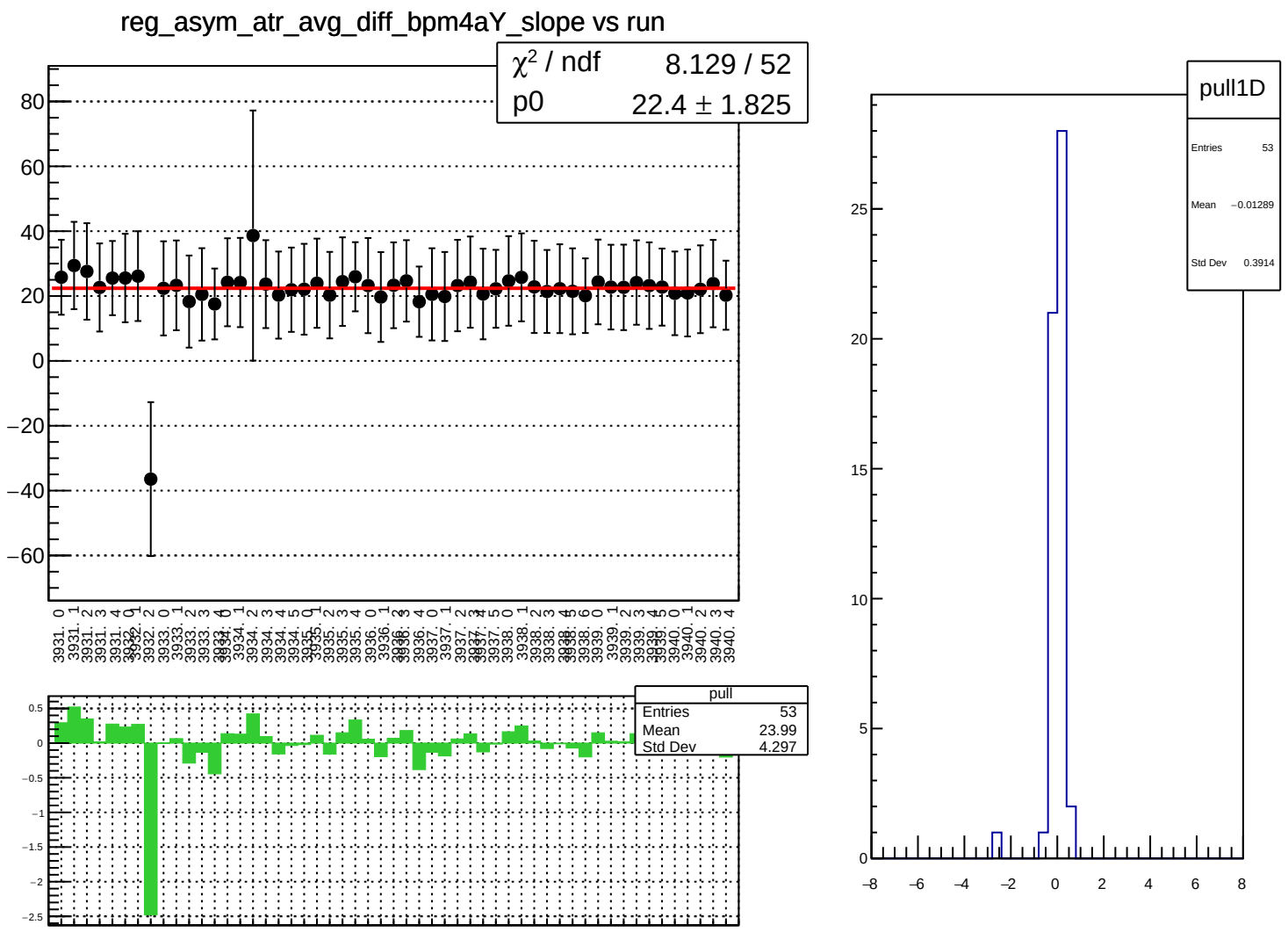

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.09 / 52
p0 −43.1 ± 2.674
pull
Entries 53
Mean −34.21
Std Dev 75.47

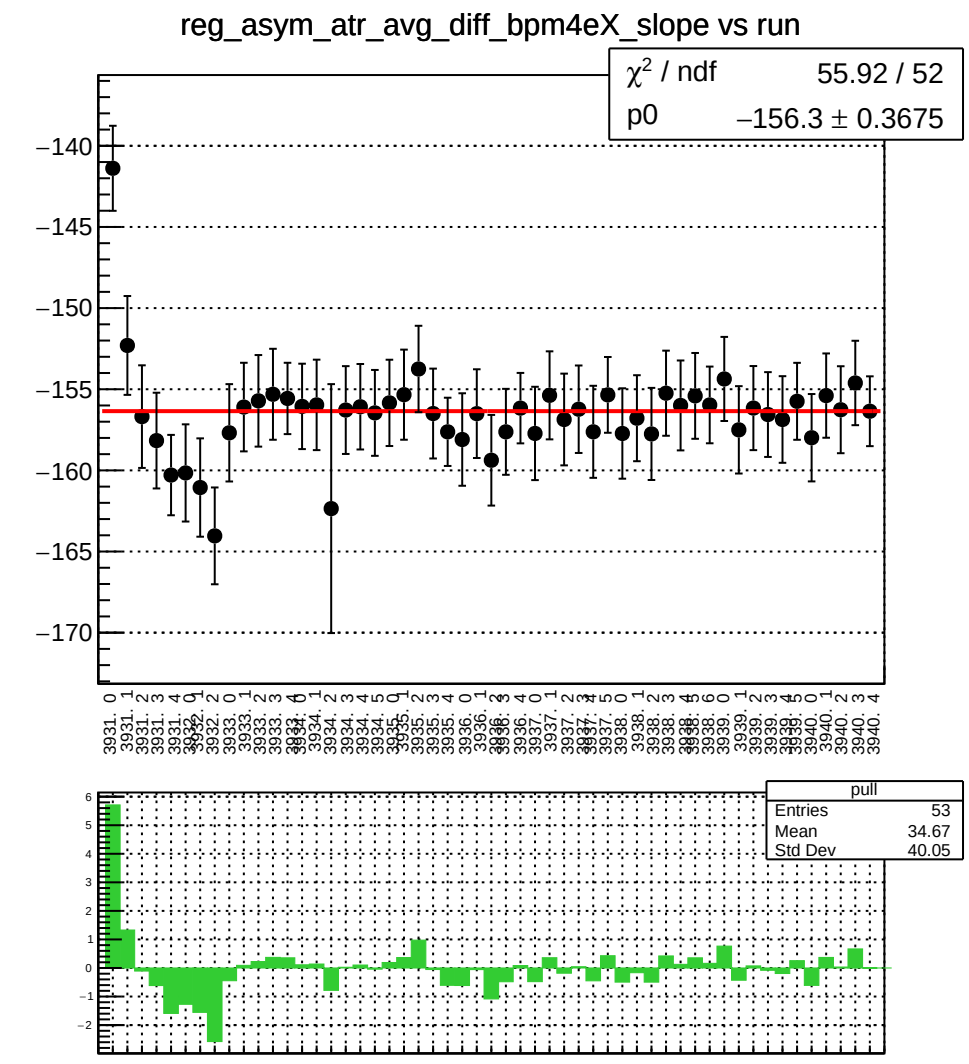

pull1D
Entries 53
Mean −0.0009453
Std Dev 0.2414

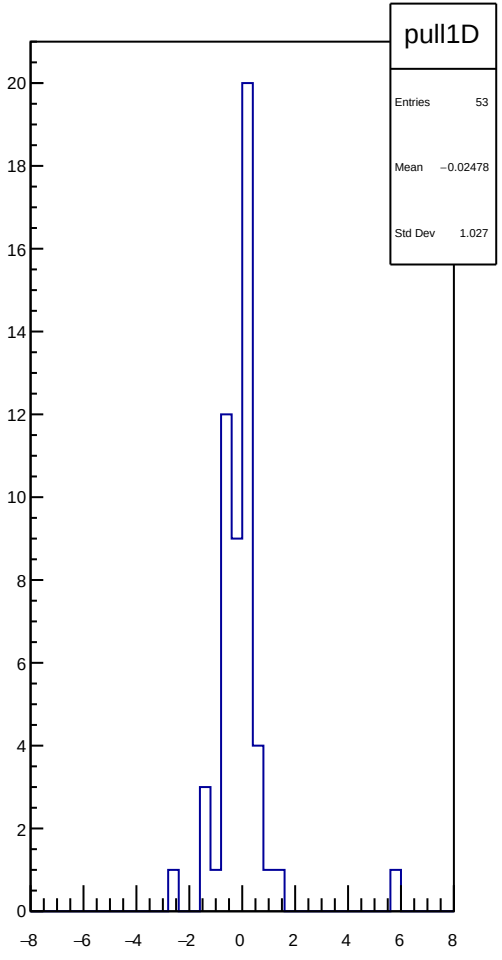

reg_asym_atl_dd_diff_bpm11X_slope vs run
χ² / ndf 25.53 / 52
p0 204.2 ± 0.4171
pull
Entries 53
Mean 707.8
Std Dev 684.4

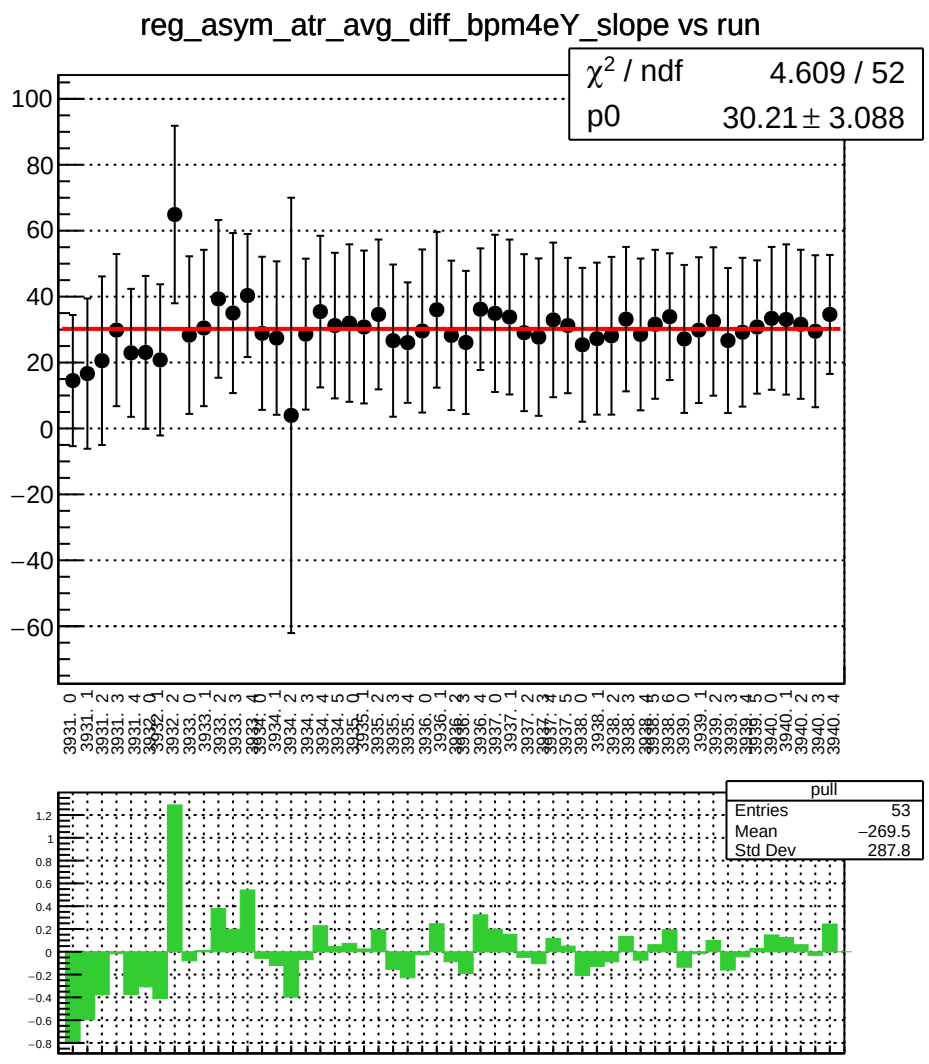

pull1D
Entries 53
Mean −0.01138
Std Dev 0.694

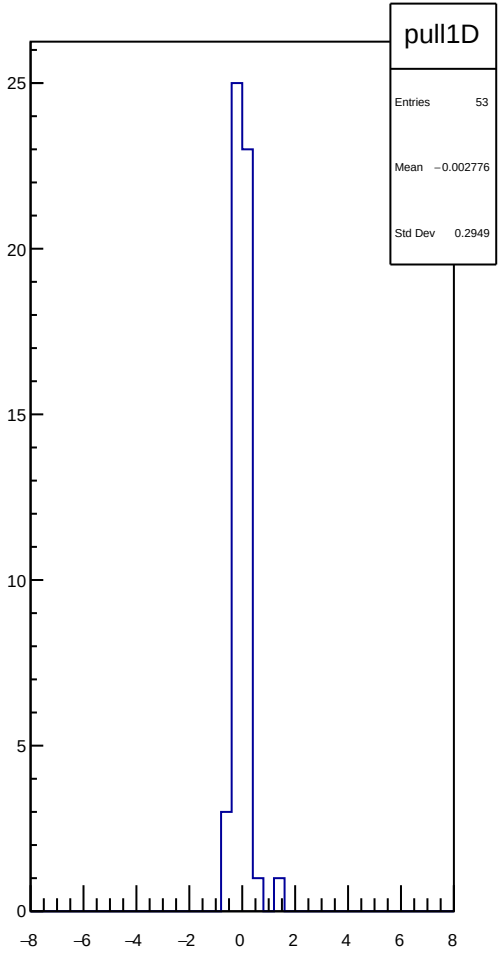

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 22.88 / 52
p0 −13.03 ± 2.371
pull
Entries 53
Mean −223.7
Std Dev 247.8
pull1D
Entries 53
Mean 0.0151
Std Dev 0.6569

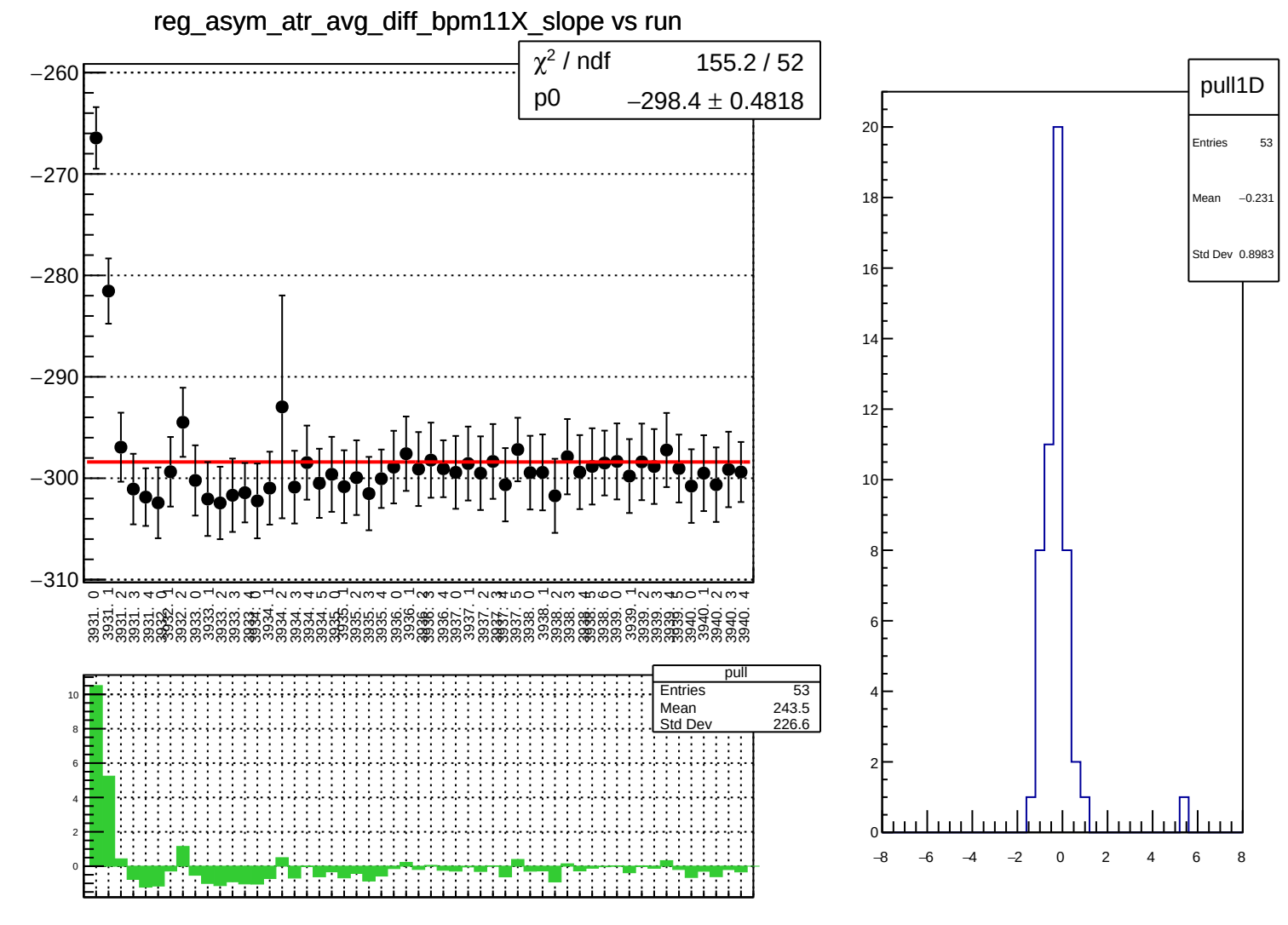

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.129 / 52
p0 22.4 ± 1.825
pull
Entries 53
Mean 23.99
Std Dev 4.297
pull1D
Entries 53
Mean −0.01289
Std Dev 0.3914

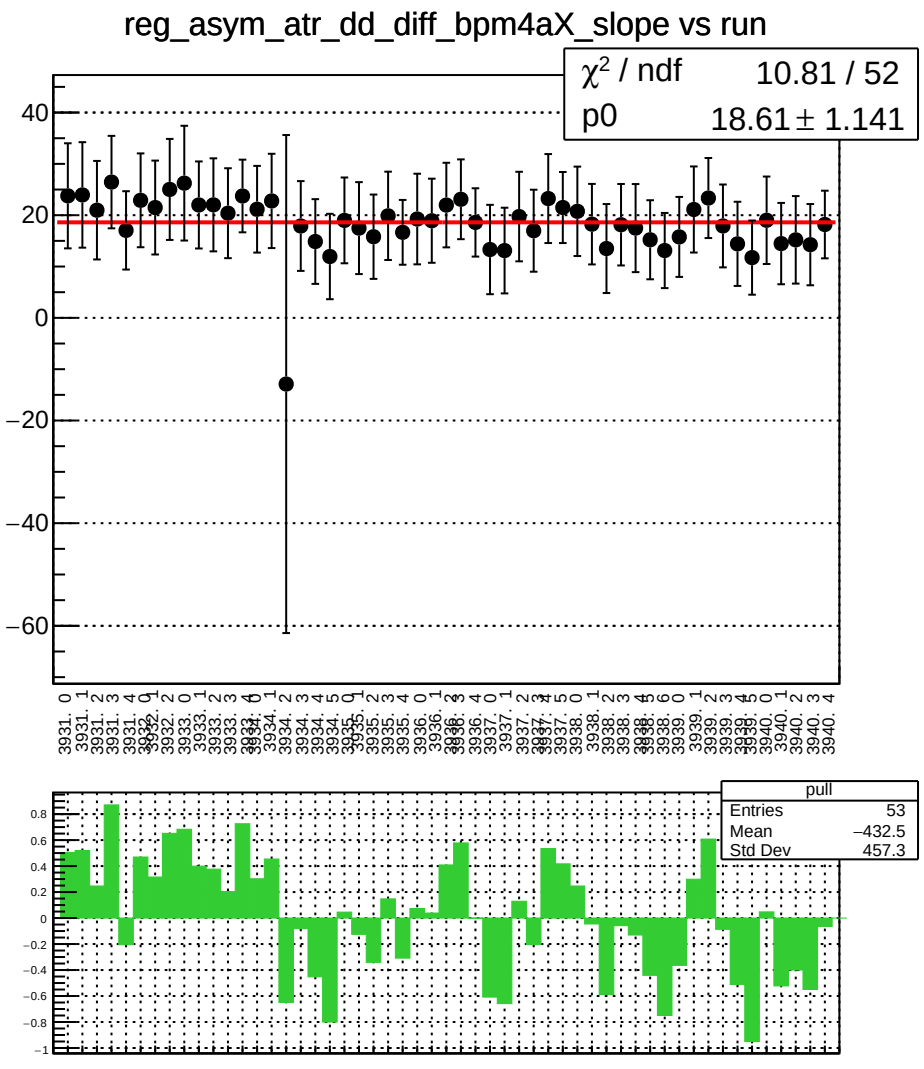

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.92 / 52
p0 −156.3 ± 0.3675
pull
Entries 53
Mean 34.67
Std Dev 40.05

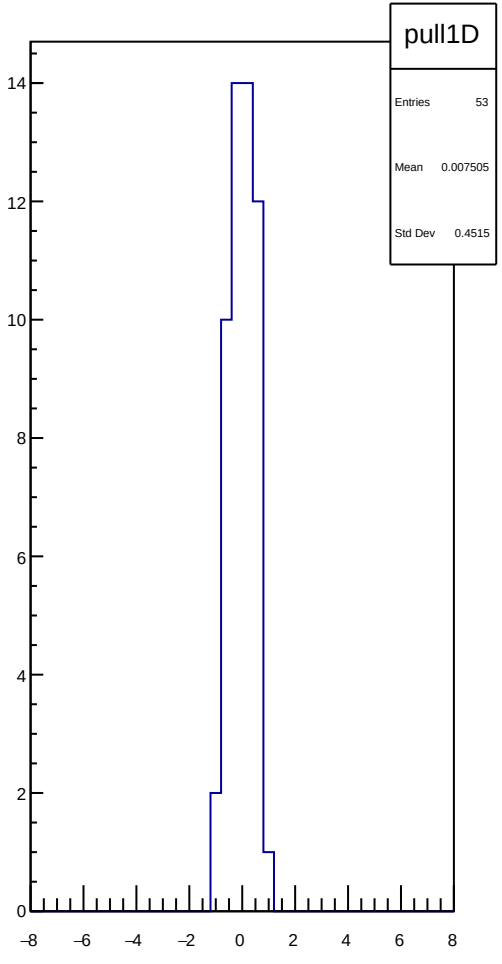

pull1D
Entries 53
Mean −0.02478
Std Dev 1.027

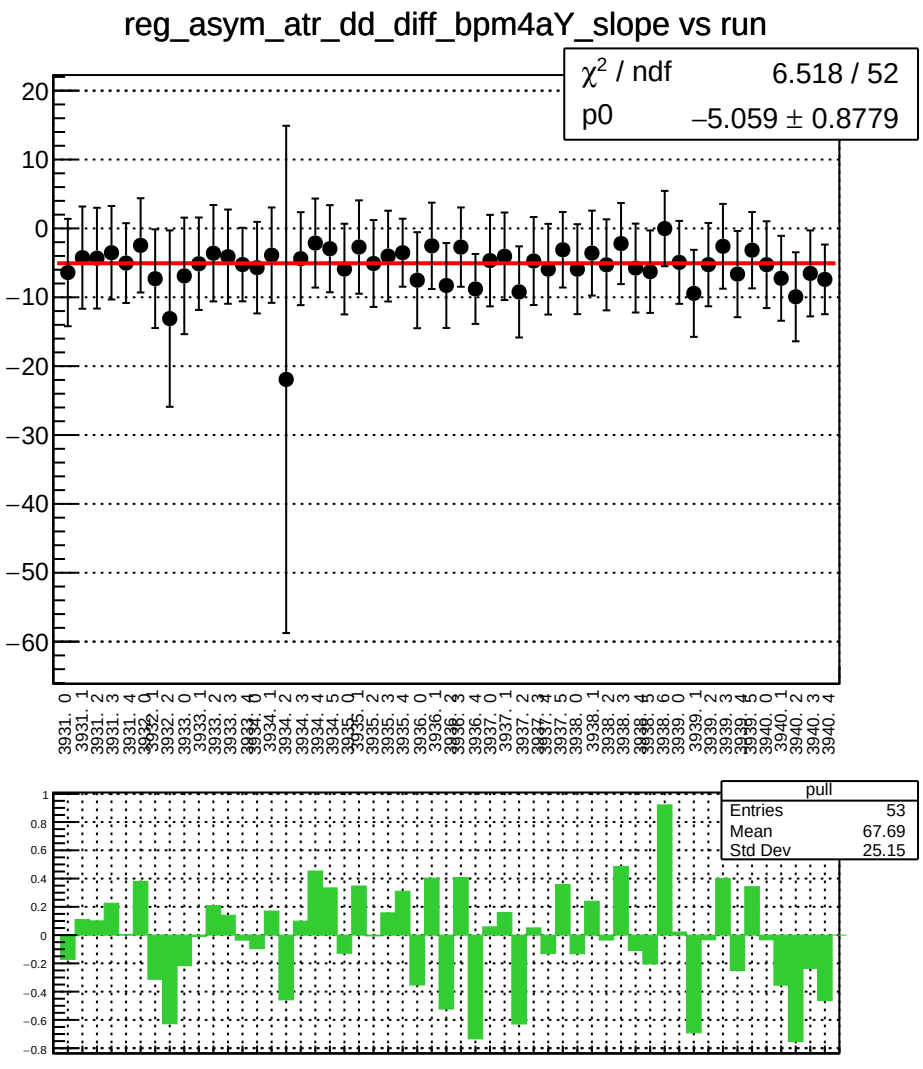

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.609 / 52
p0 30.21 ± 3.088
pull
Entries 53
Mean −269.5
Std Dev 287.8

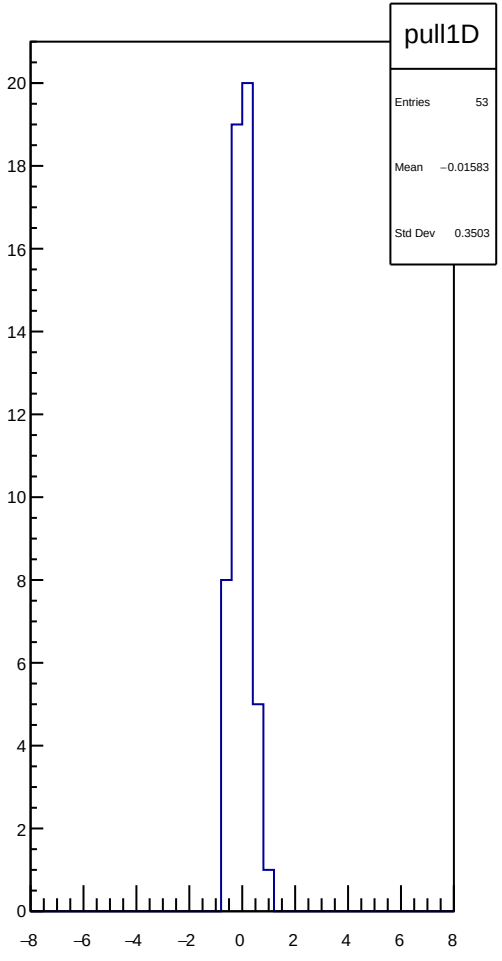

pull1D
Entries 53
Mean −0.002776
Std Dev 0.2949

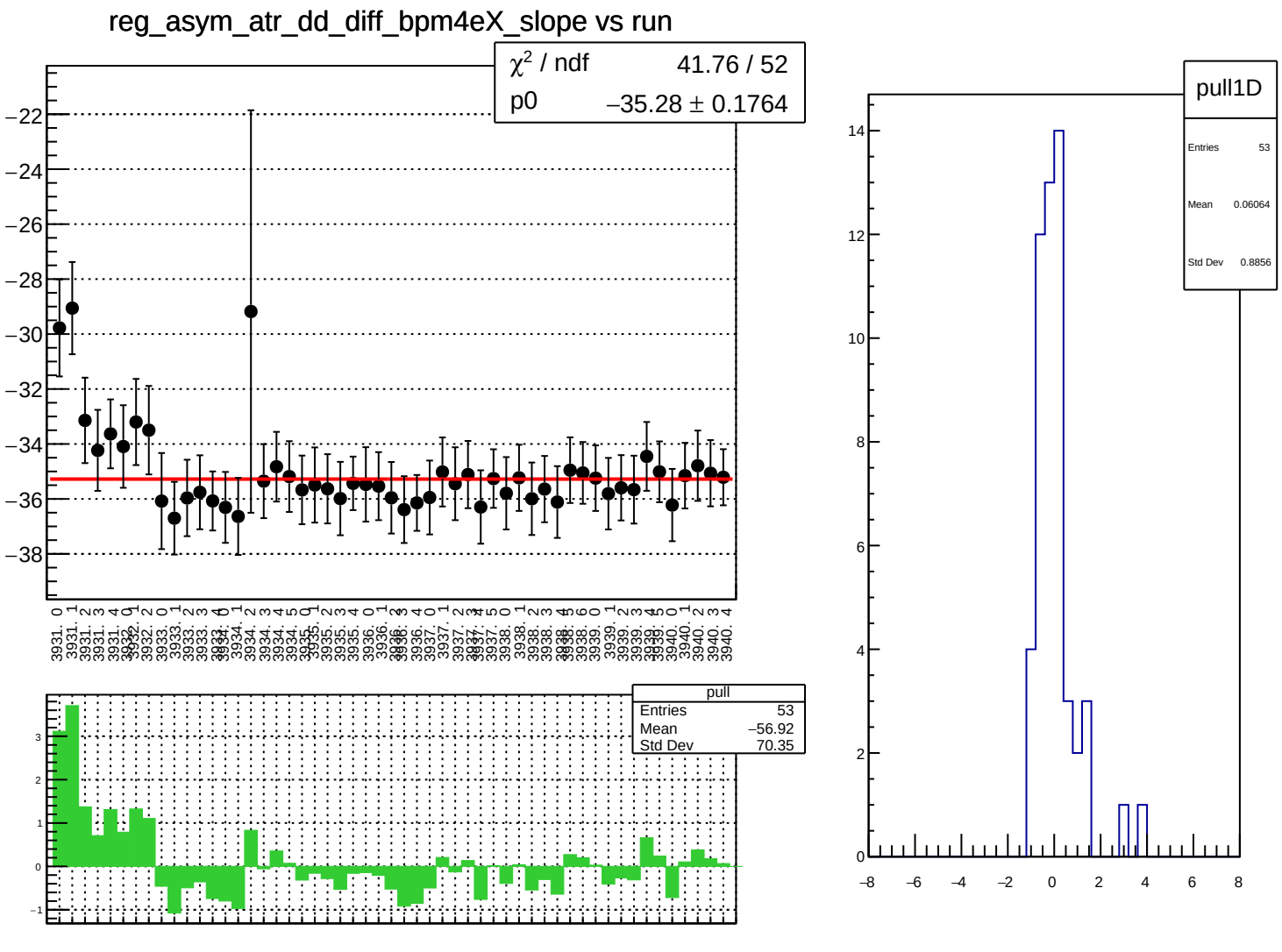

reg_asym_atr_avg_diff_bpm11X_slope vs run
χ² / ndf 155.2 / 52
p0 −298.4 ± 0.4818
pull
Entries 53
Mean 243.5
Std Dev 226.6
pull1D
Entries 53
Mean −0.231
Std Dev 0.8983

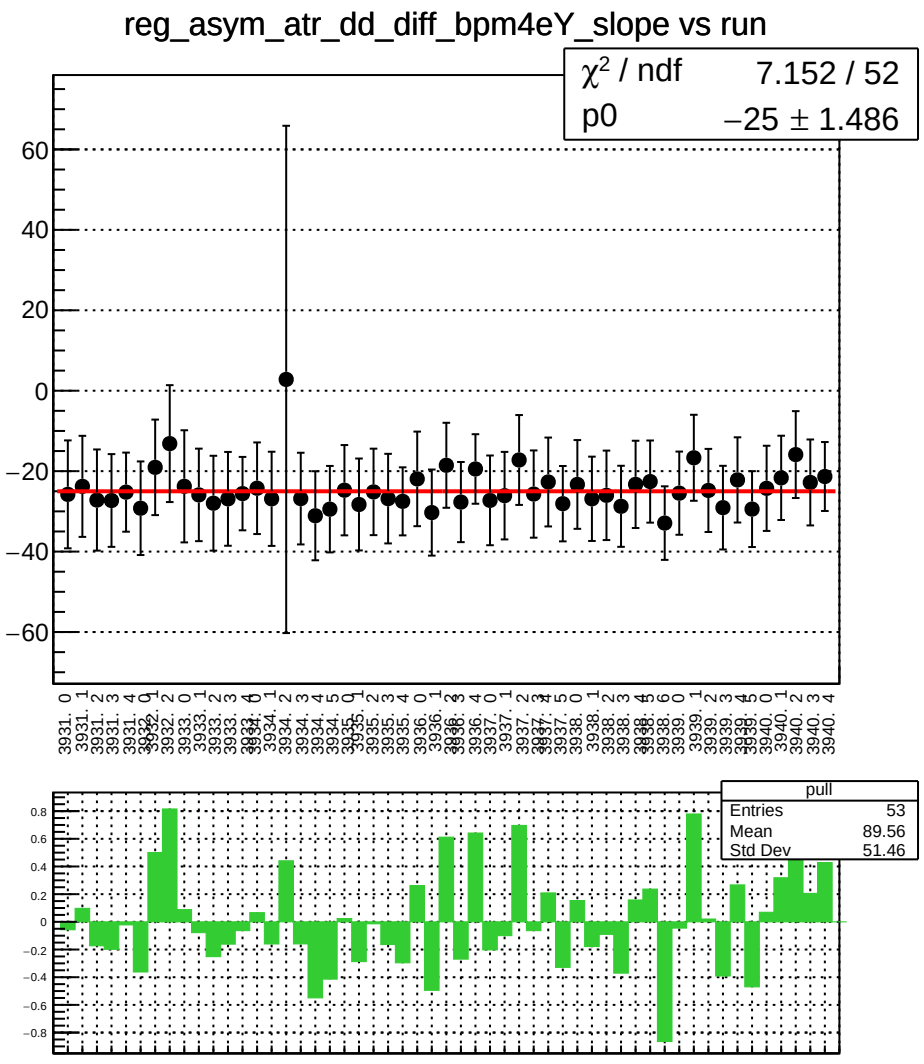

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.81 / 52
p0 18.61 ± 1.141
pull
Entries 53
Mean −432.5
Std Dev 457.3

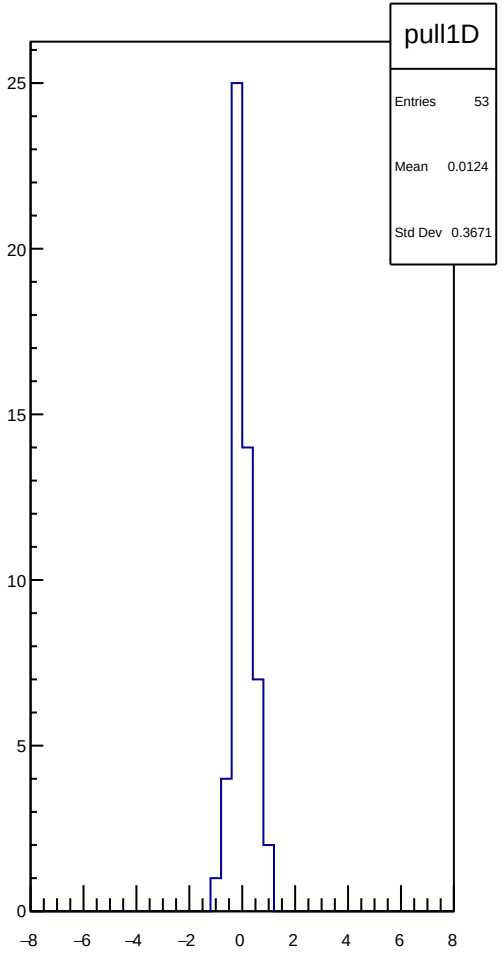

pull1D
Entries 53
Mean 0.007505
Std Dev 0.4515

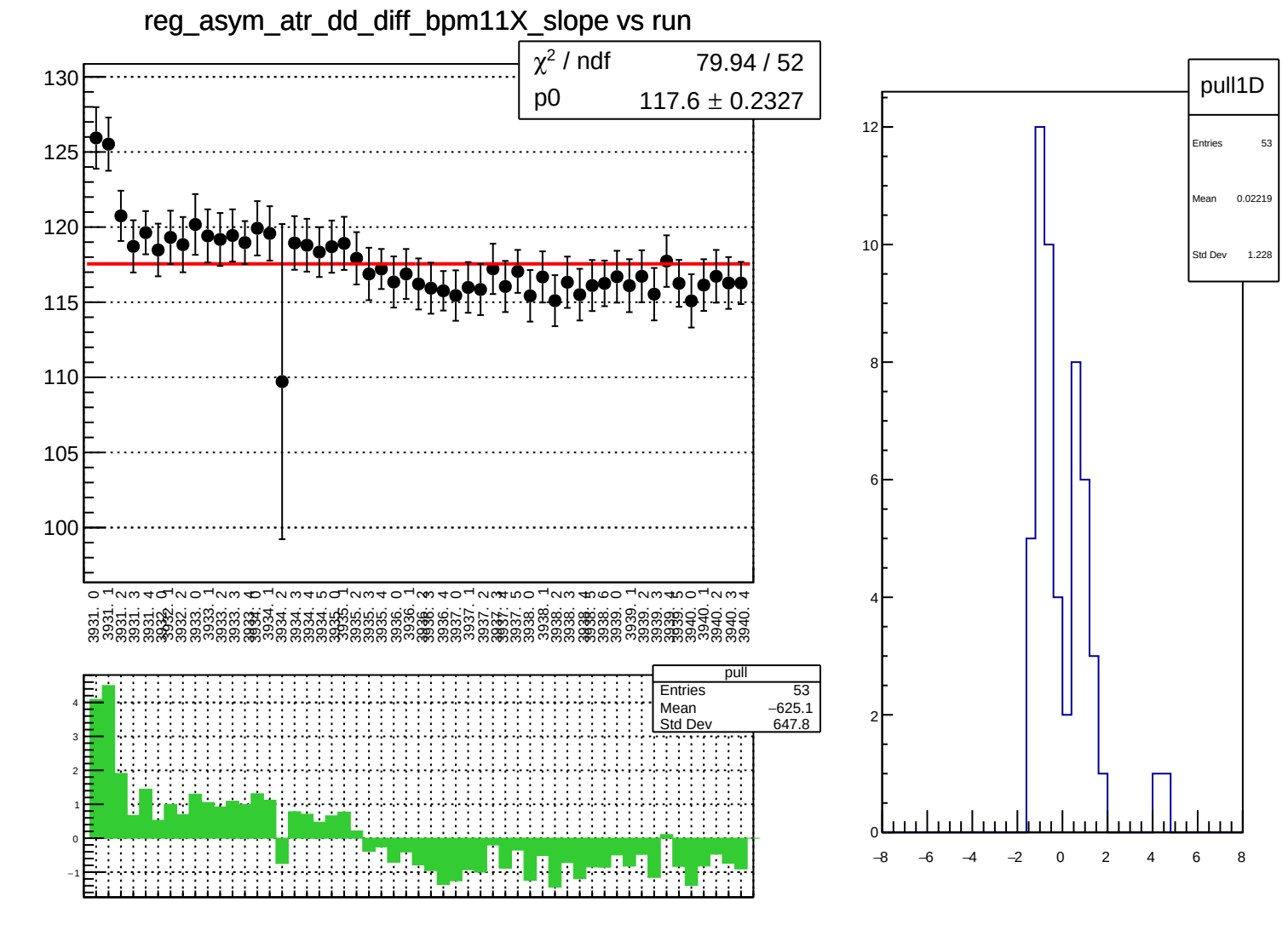

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.518 / 52
p0 −5.059 ± 0.8779
pull
Entries 53
Mean 67.69
Std Dev 25.15

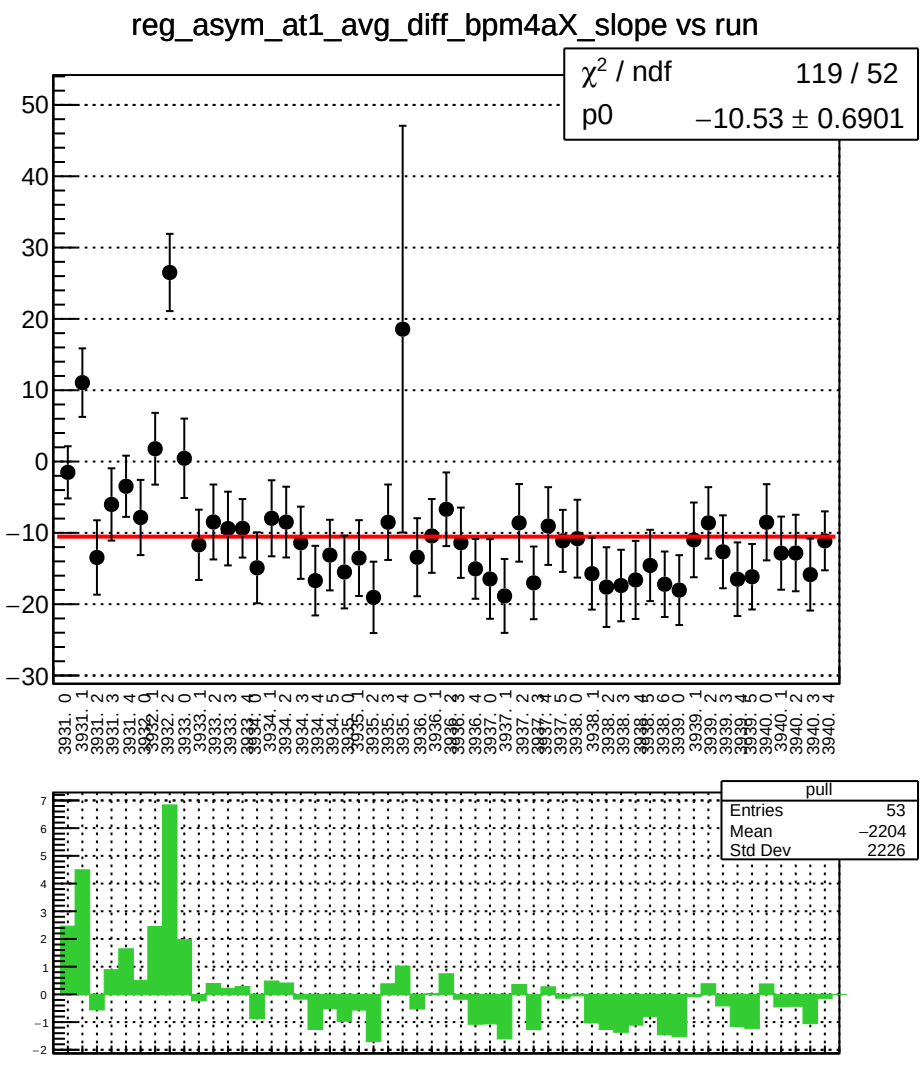

pull1D
Entries 53
Mean −0.01583
Std Dev 0.3503

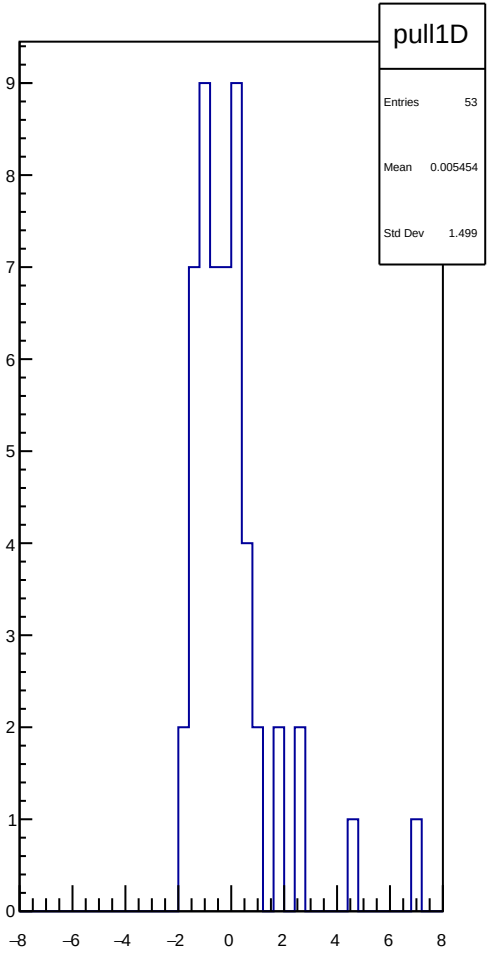

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.76 / 52
p0 −35.28 ± 0.1764
pull
Entries 53
Mean −56.92
Std Dev 70.35
pull1D
Entries 53
Mean 0.06064
Std Dev 0.8856

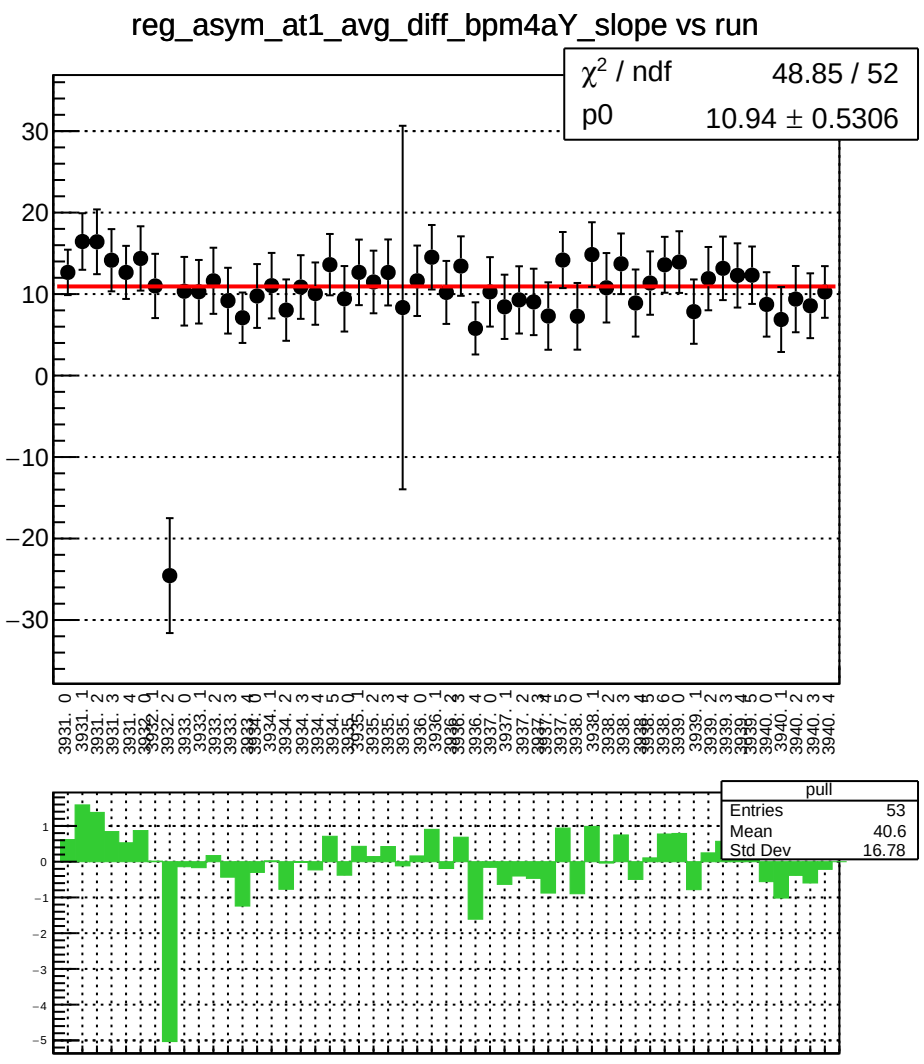

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.152 / 52
p0 −25 ± 1.486
pull
Entries 53
Mean 89.56
Std Dev 51.46

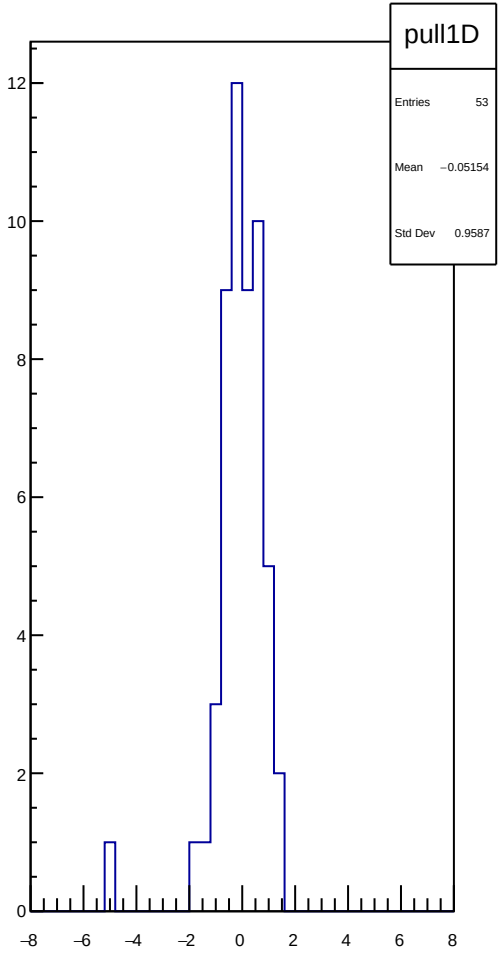

pull1D
Entries 53
Mean 0.0124
Std Dev 0.3671

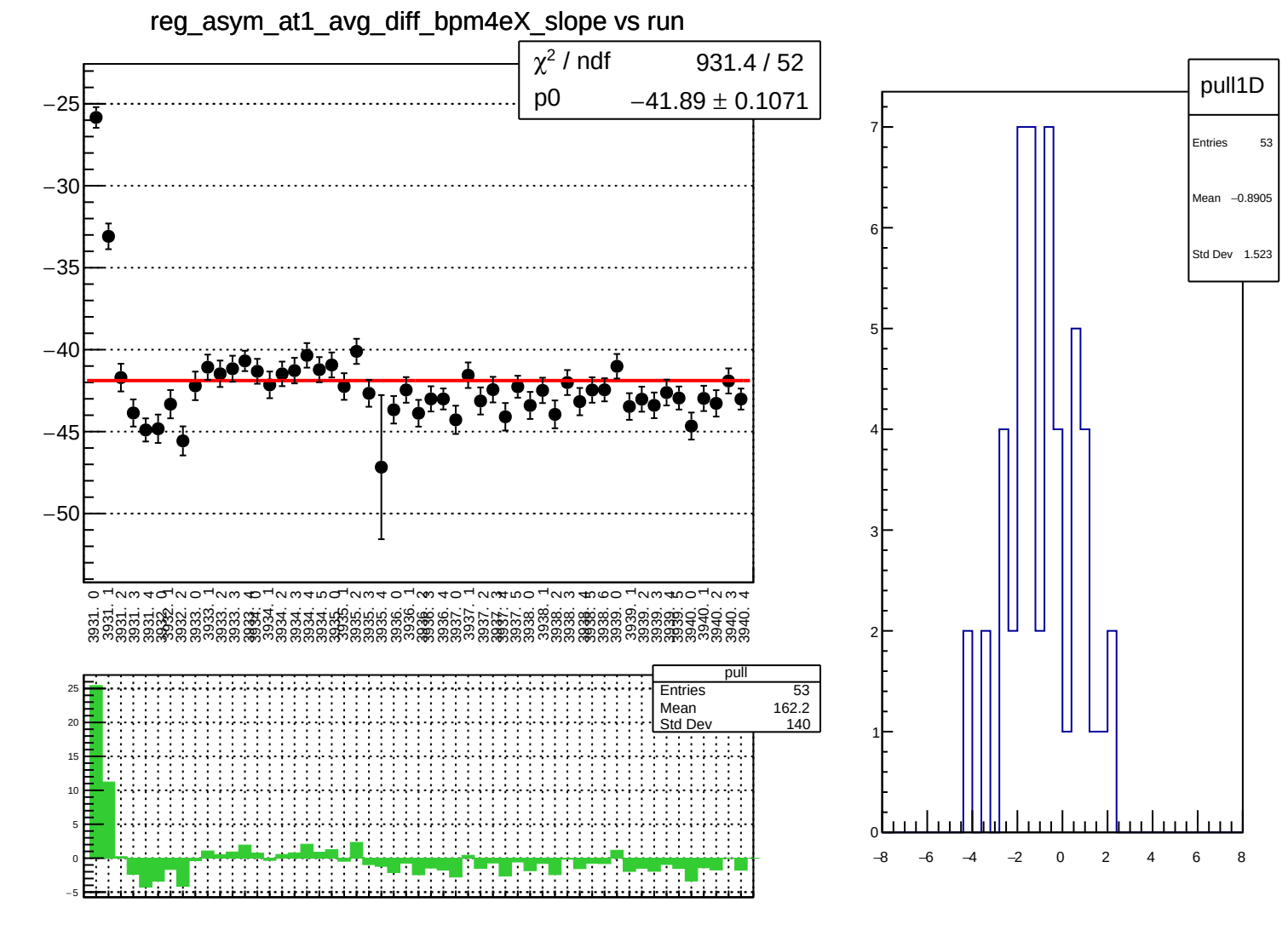

reg_asym_atr_dd_diff_bpm11X_slope vs run
χ² / ndf 79.94 / 52
p0 117.6 ± 0.2327
pull
Entries 53
Mean −625.1
Std Dev 647.8
pull1D
Entries 53
Mean 0.02219
Std Dev 1.228

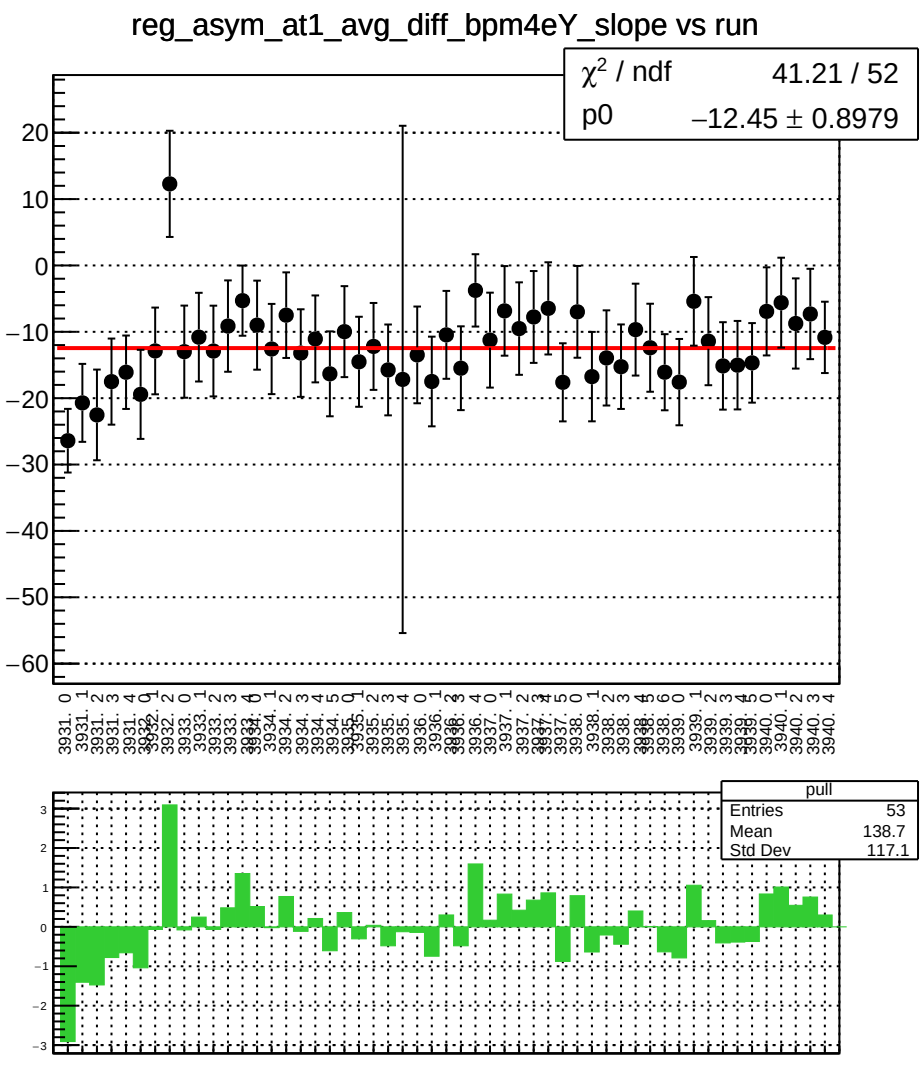

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 119 / 52
p0 −10.53 ± 0.6901
pull
Entries 53
Mean −2204
Std Dev 2226

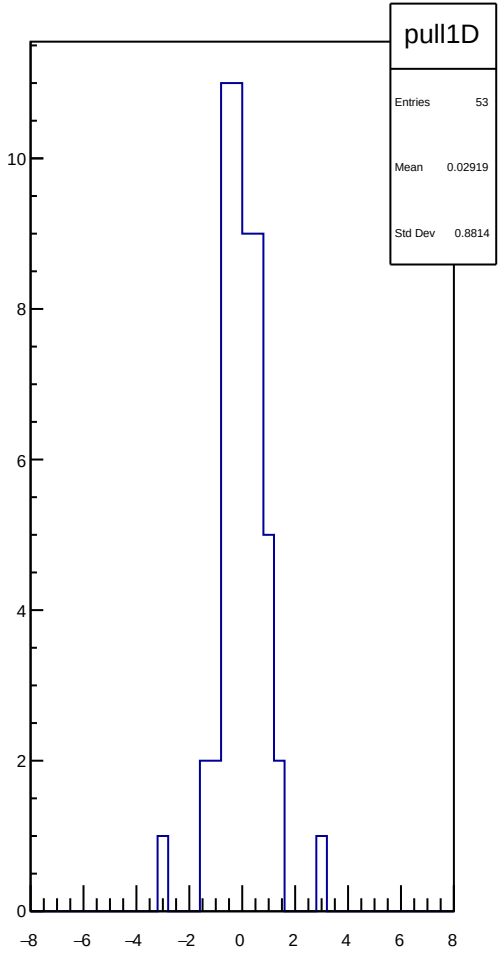

pull1D
Entries 53
Mean 0.005454
Std Dev 1.499

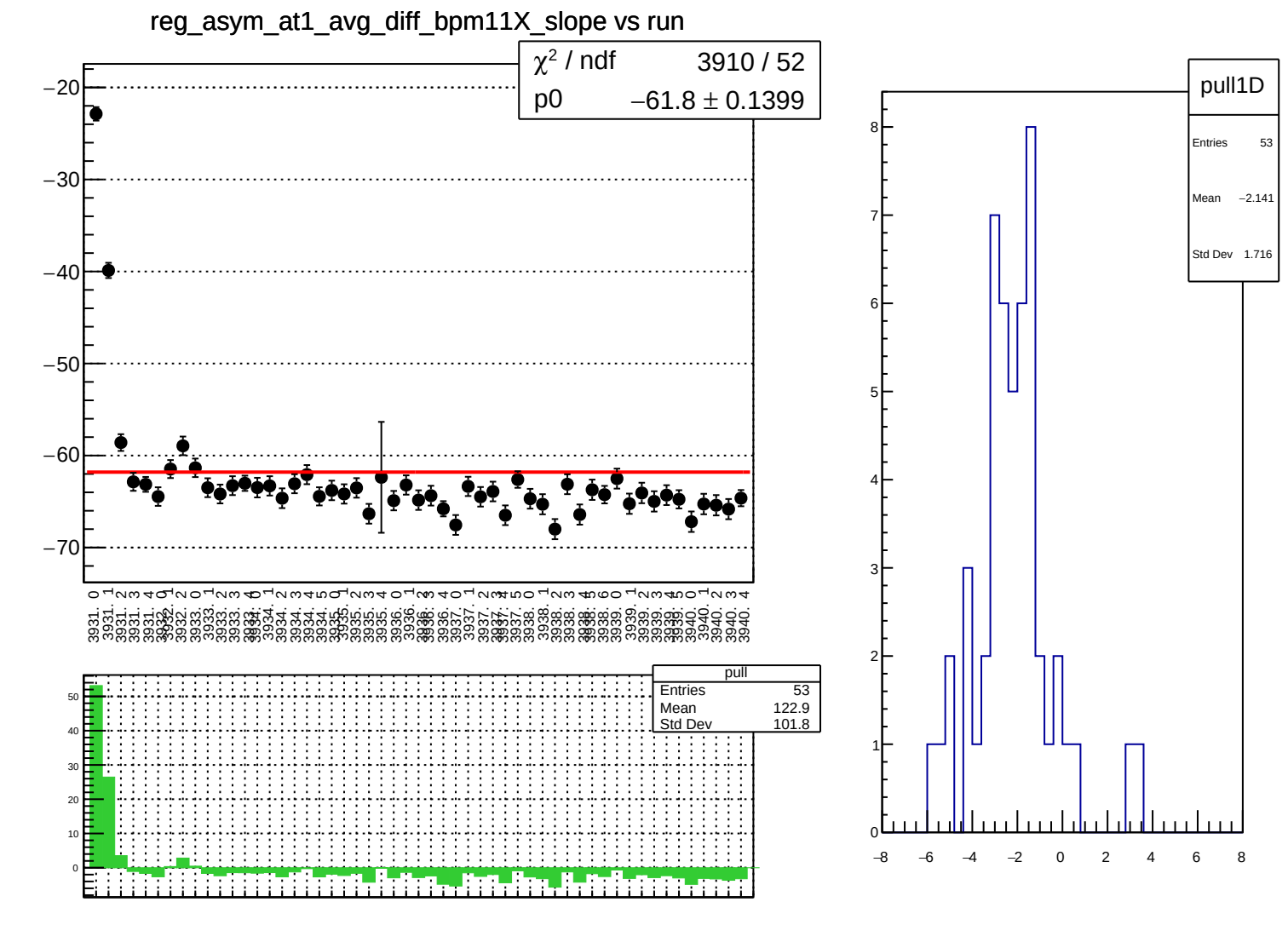

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.85 / 52
p0 10.94 ± 0.5306
pull
Entries 53
Mean 40.6
Std Dev 16.78

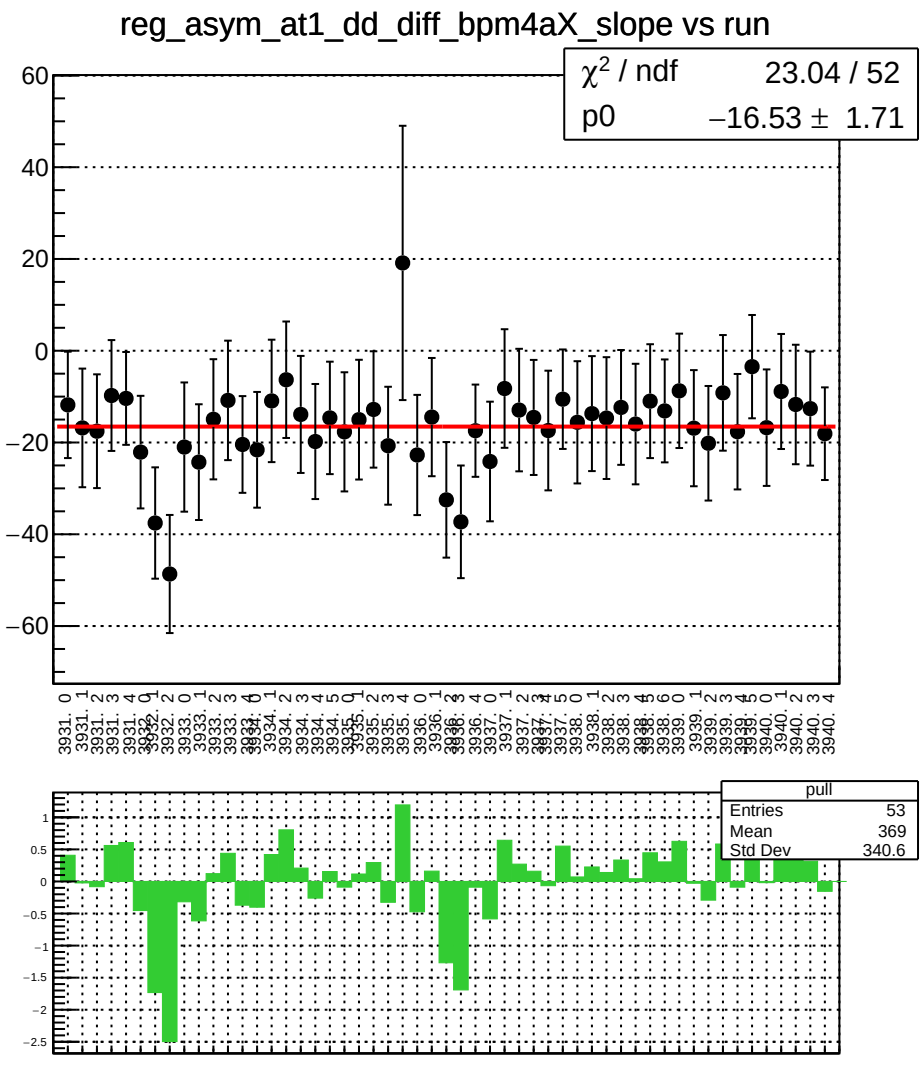

pull1D
Entries 53
Mean −0.05154
Std Dev 0.9587

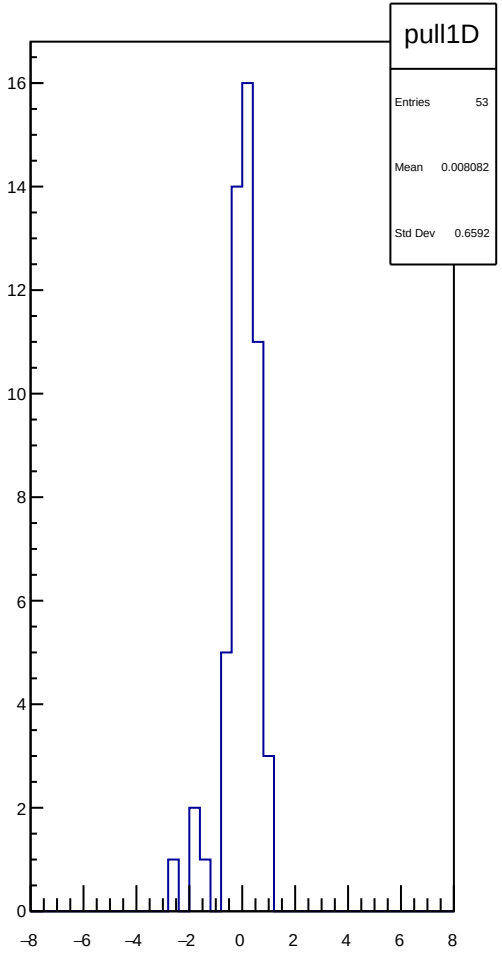

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 931.4 / 52
p0 −41.89 ± 0.1071
pull
Entries 53
Mean 162.2
Std Dev 140
pull1D
Entries 53
Mean −0.8905
Std Dev 1.523

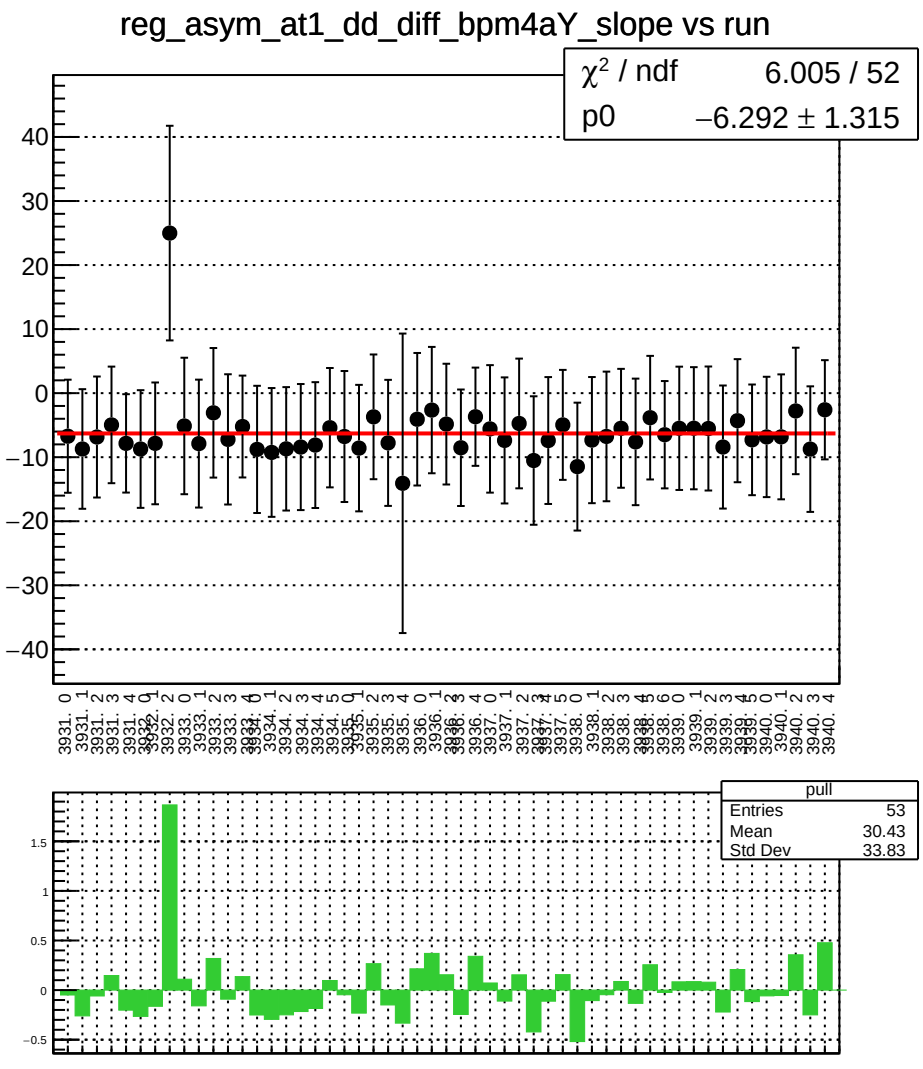

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.21 / 52
p0 −12.45 ± 0.8979
pull
Entries 53
Mean 138.7
Std Dev 117.1

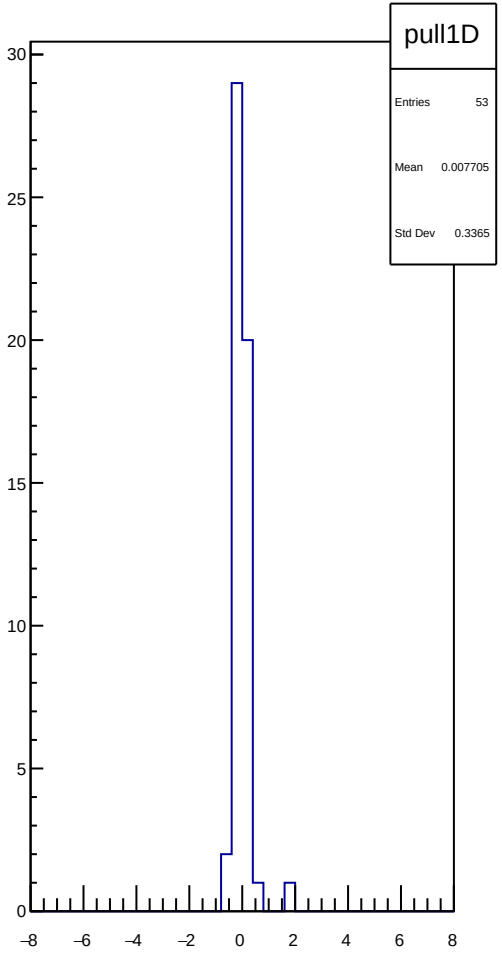

pull1D
Entries 53
Mean 0.02919
Std Dev 0.8814

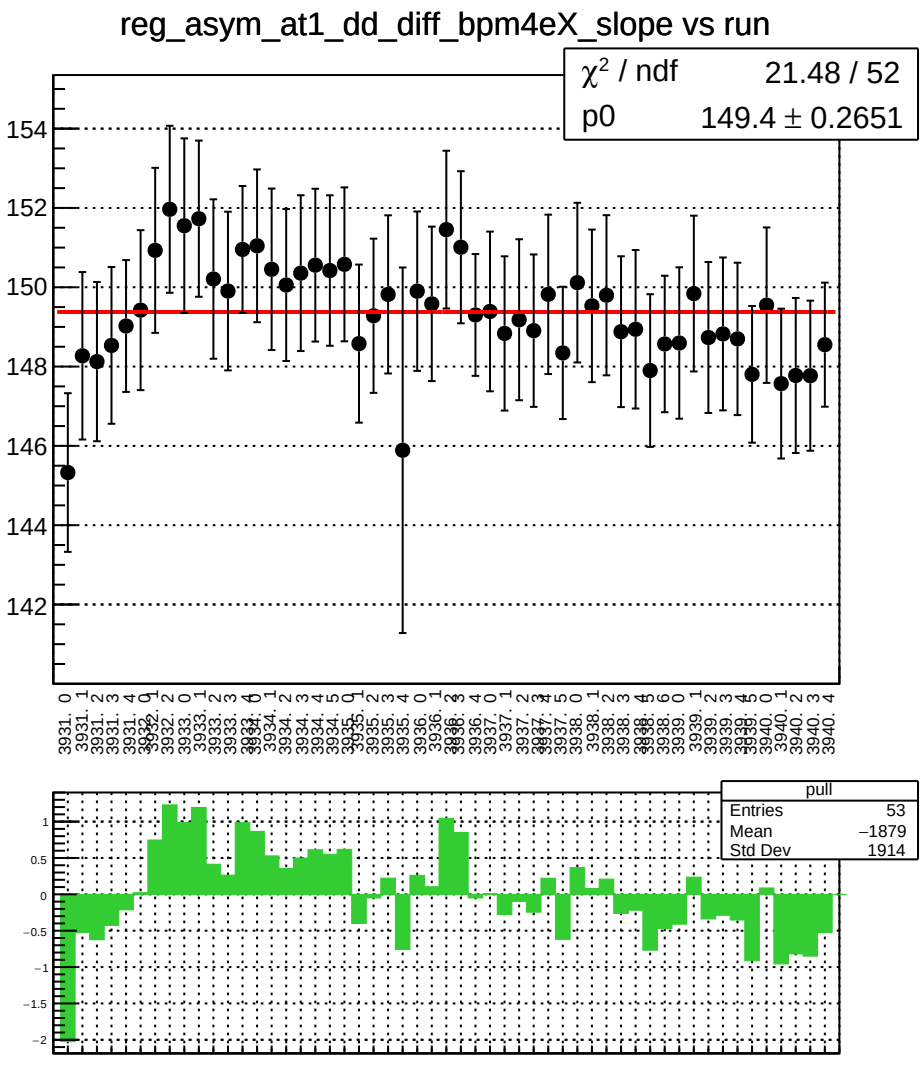

reg_asym_at1_avg_diff_bpm11X_slope vs run
χ² / ndf 3910 / 52
p0 −61.8 ± 0.1399
pull
Entries 53
Mean 122.9
Std Dev 101.8
pull1D
Entries 53
Mean −2.141
Std Dev 1.716

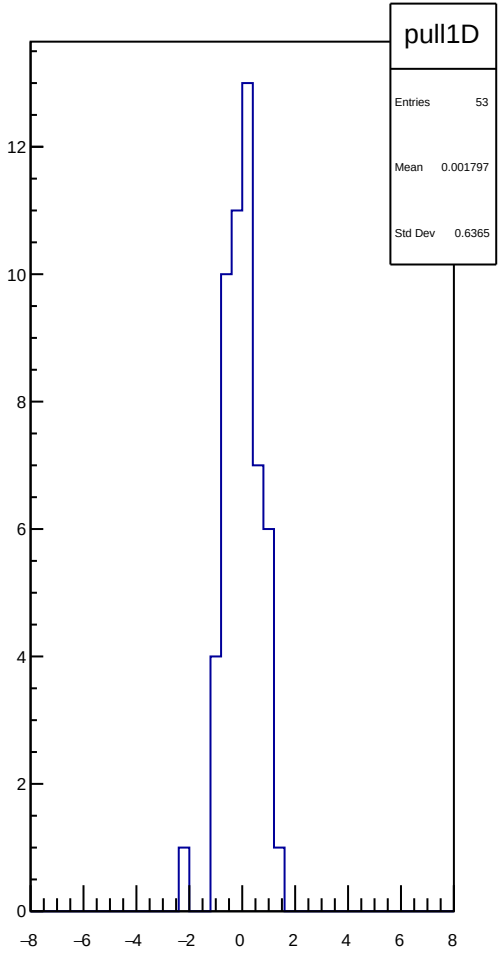

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 23.04 / 52
p0 −16.53 ± 1.71
pull
Entries 53
Mean 369
Std Dev 340.6

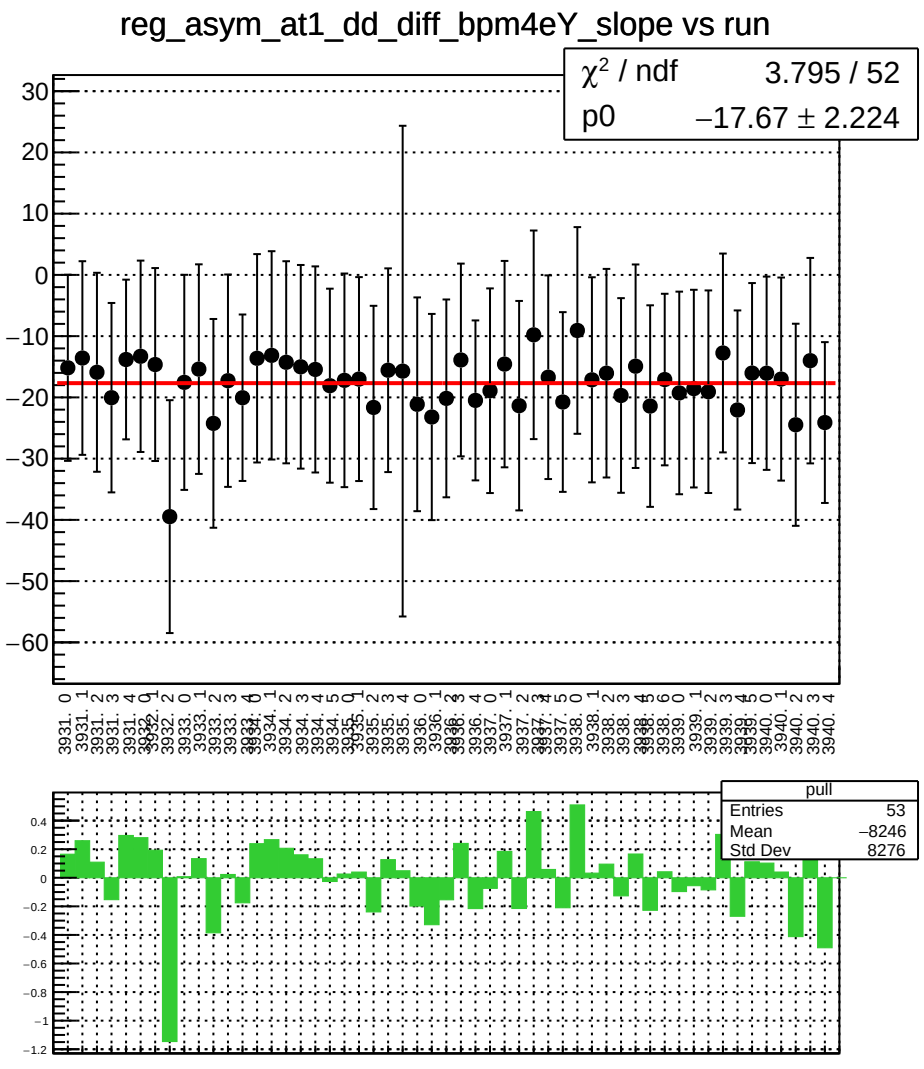

pull1D
Entries 53
Mean 0.008082
Std Dev 0.6592

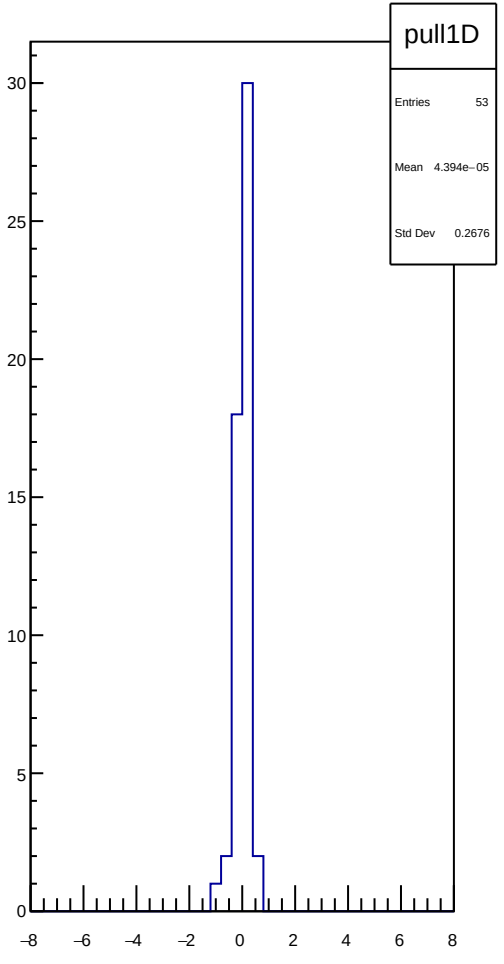

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.005 / 52
p0 −6.292 ± 1.315
pull
Entries 53
Mean 30.43
Std Dev 33.83

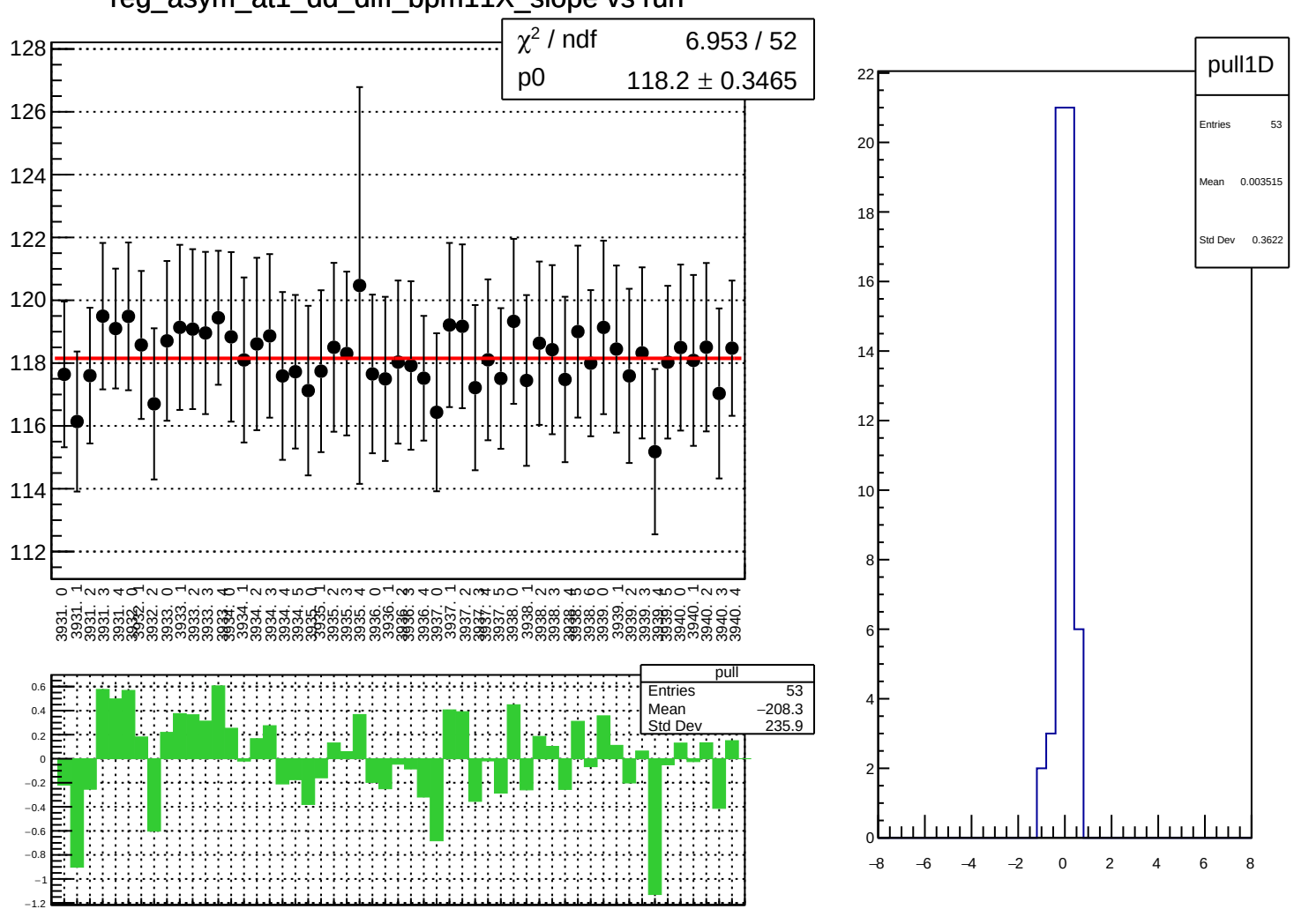

pull1D
Entries 53
Mean 0.007705
Std Dev 0.3365

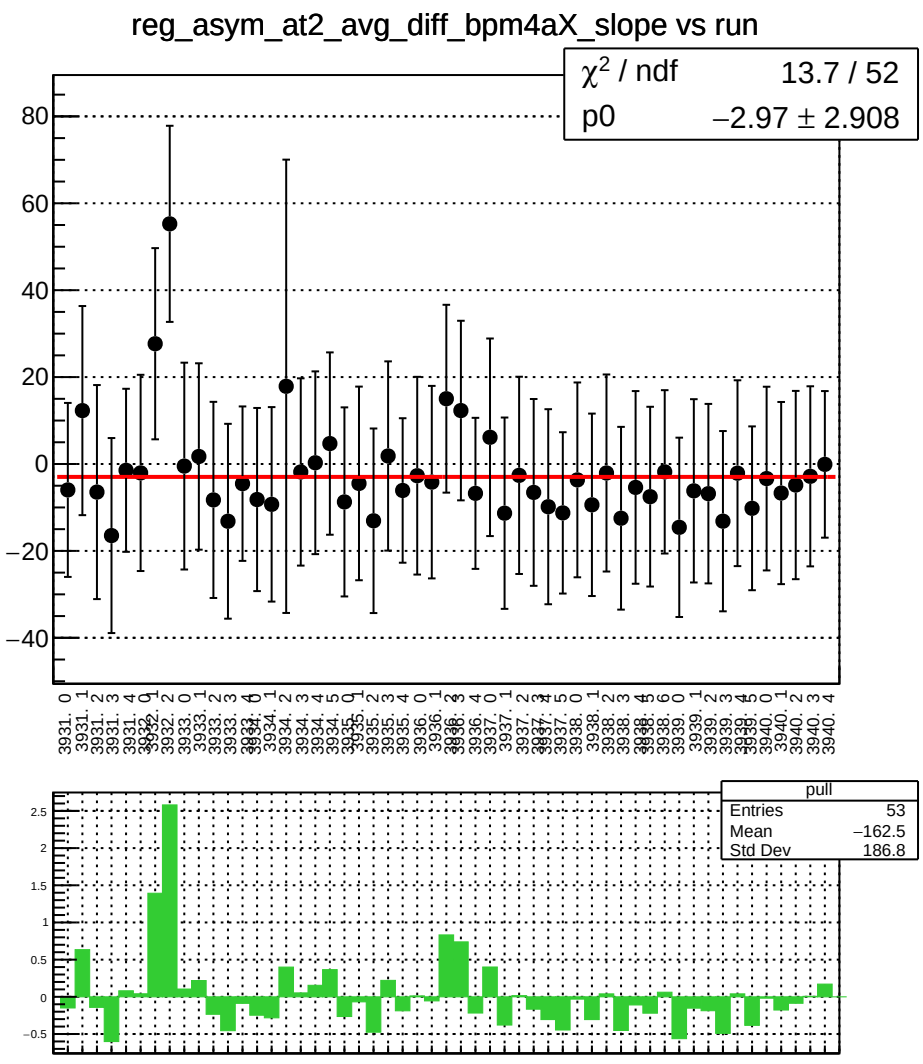

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.48 / 52
p0 149.4 ± 0.2651
154
152
150
148
146
144
142
pull
Entries 53
Mean −1879
Std Dev 1914
1
0.5
0
−0.5
−1
−1.5
−2

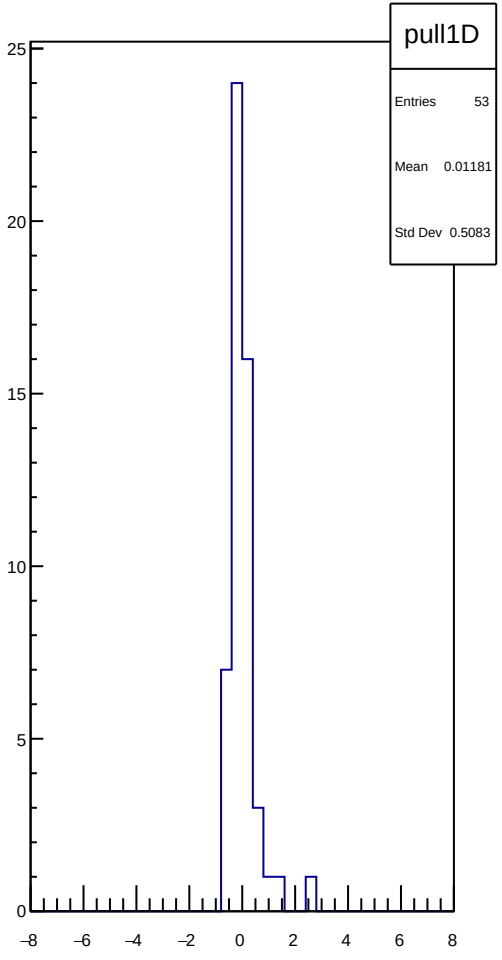

pull1D
Entries 53
Mean 0.001797
Std Dev 0.6365
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

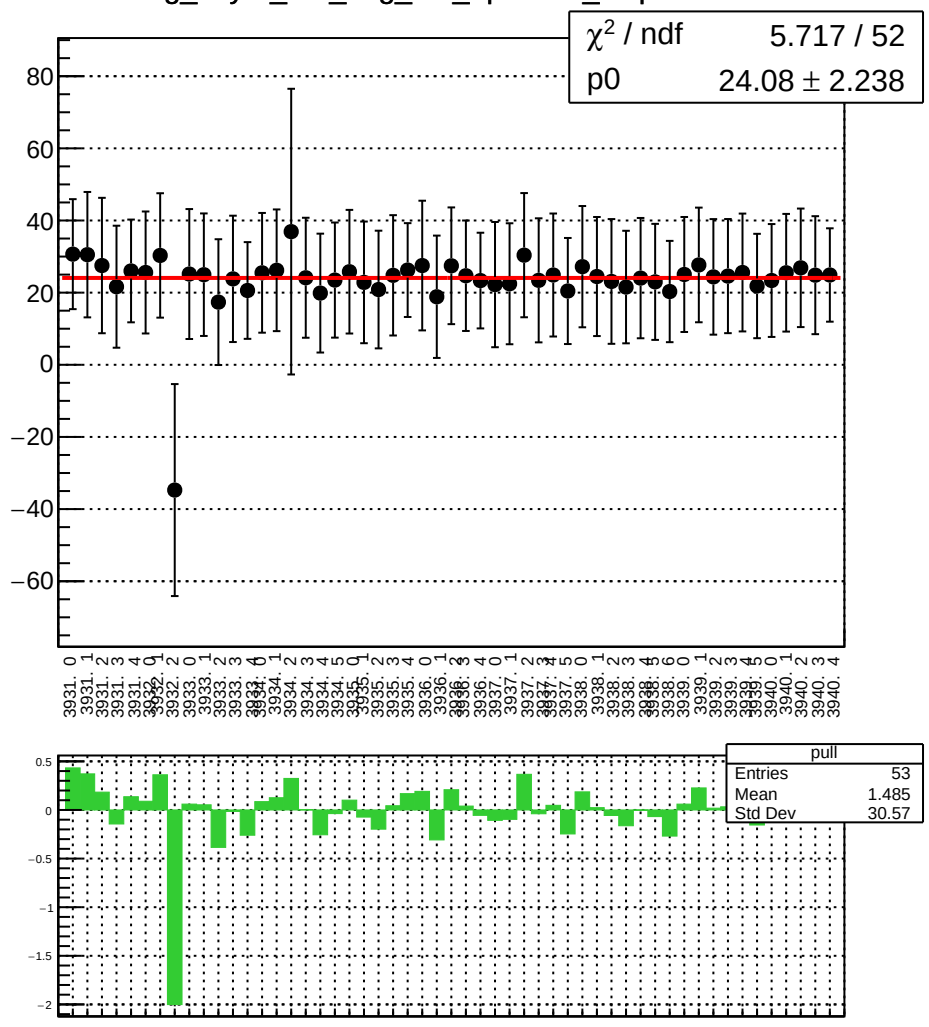

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.795 / 52
p0 −17.67 ± 2.224
pull
Entries 53
Mean −8246
Std Dev 8276

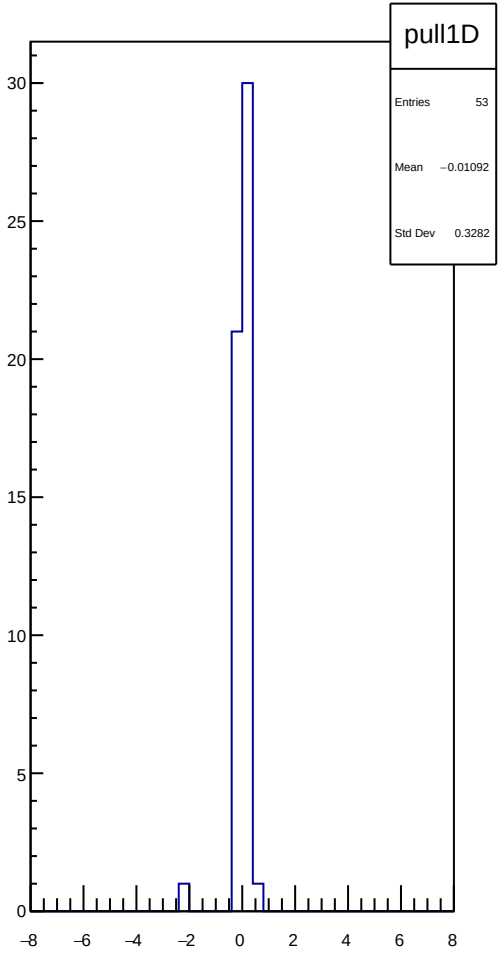

pull1D
Entries 53
Mean 4.394e−05
Std Dev 0.2676

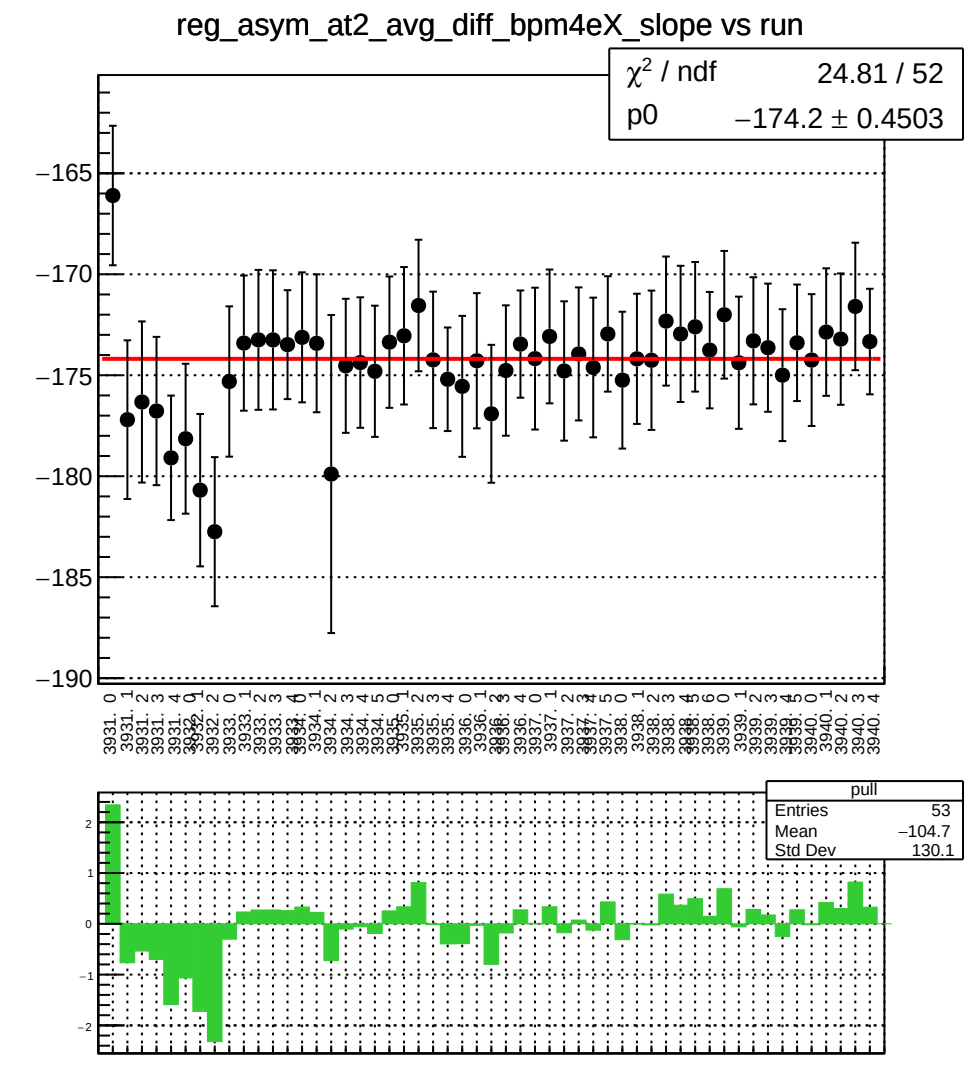

reg_asym_at1_dd_diff_bpm11X_slope vs run
χ² / ndf 6.953 / 52
p0 118.2 ± 0.3465
pull
Entries 53
Mean −208.3
Std Dev 235.9
pull1D
Entries 53
Mean 0.003515
Std Dev 0.3622

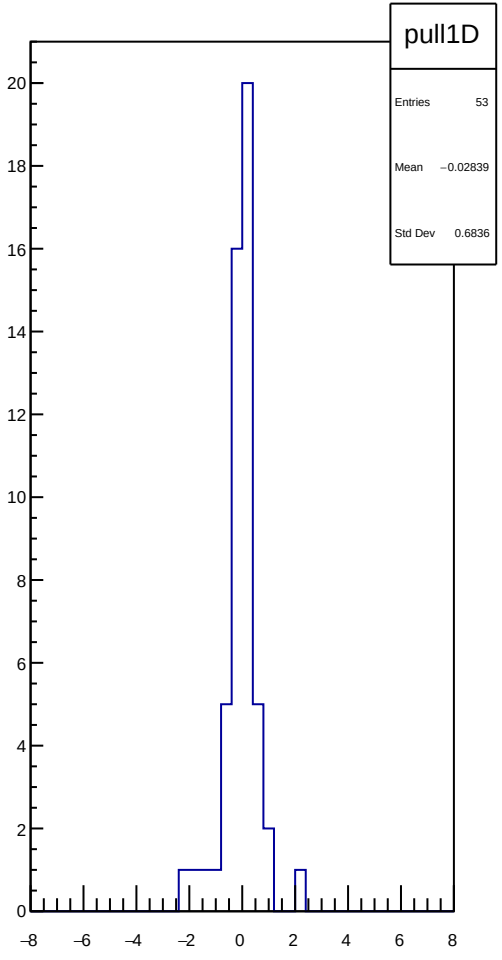

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.7 / 52
p0 −2.97 ± 2.908
pull
Entries 53
Mean −162.5
Std Dev 186.8

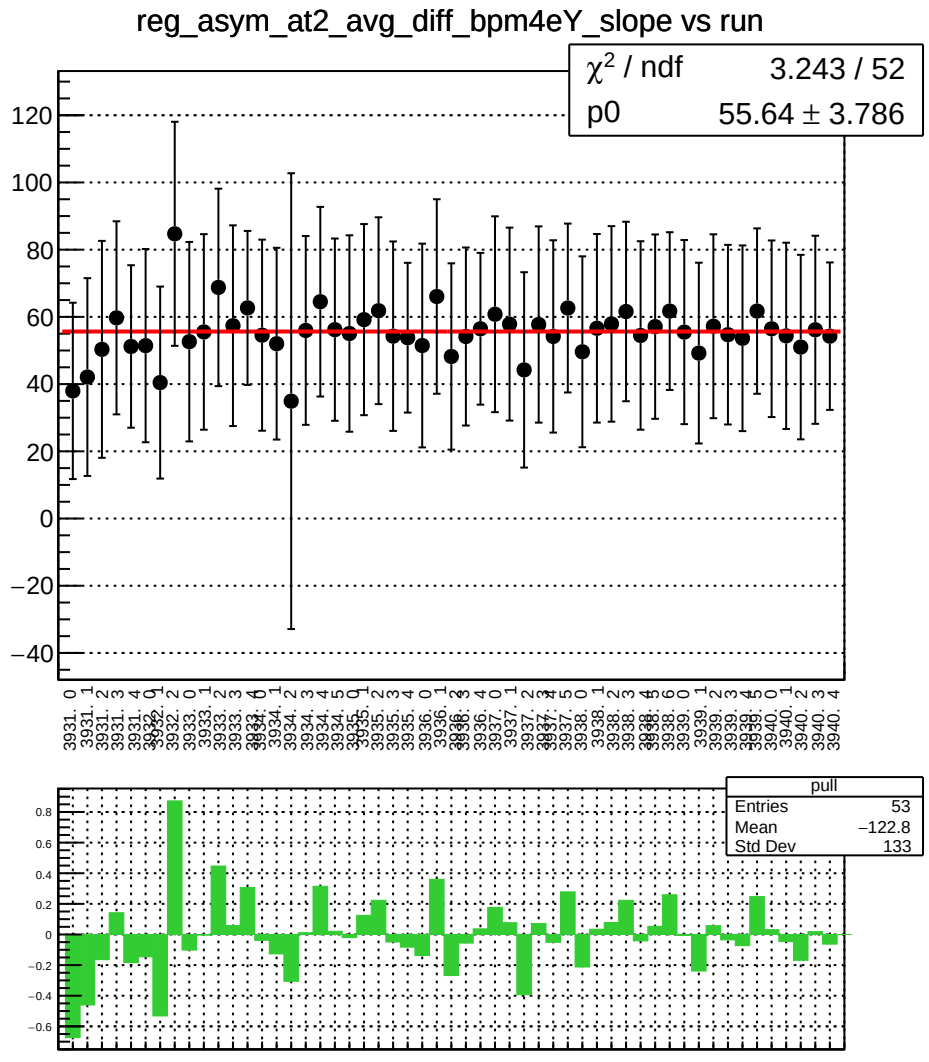

pull1D
Entries 53
Mean 0.01181
Std Dev 0.5083

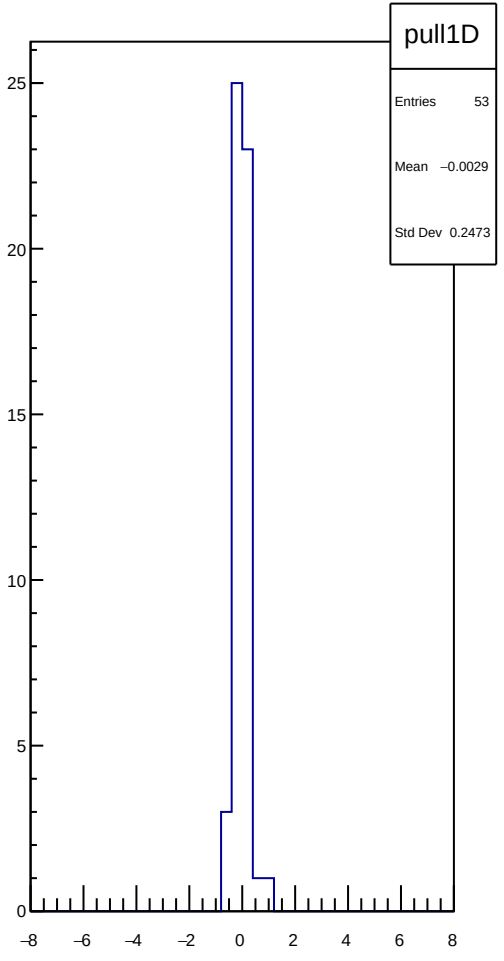

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.717 / 52
p0 24.08 ± 2.238
pull
Entries 53
Mean 1.485
Std Dev 30.57

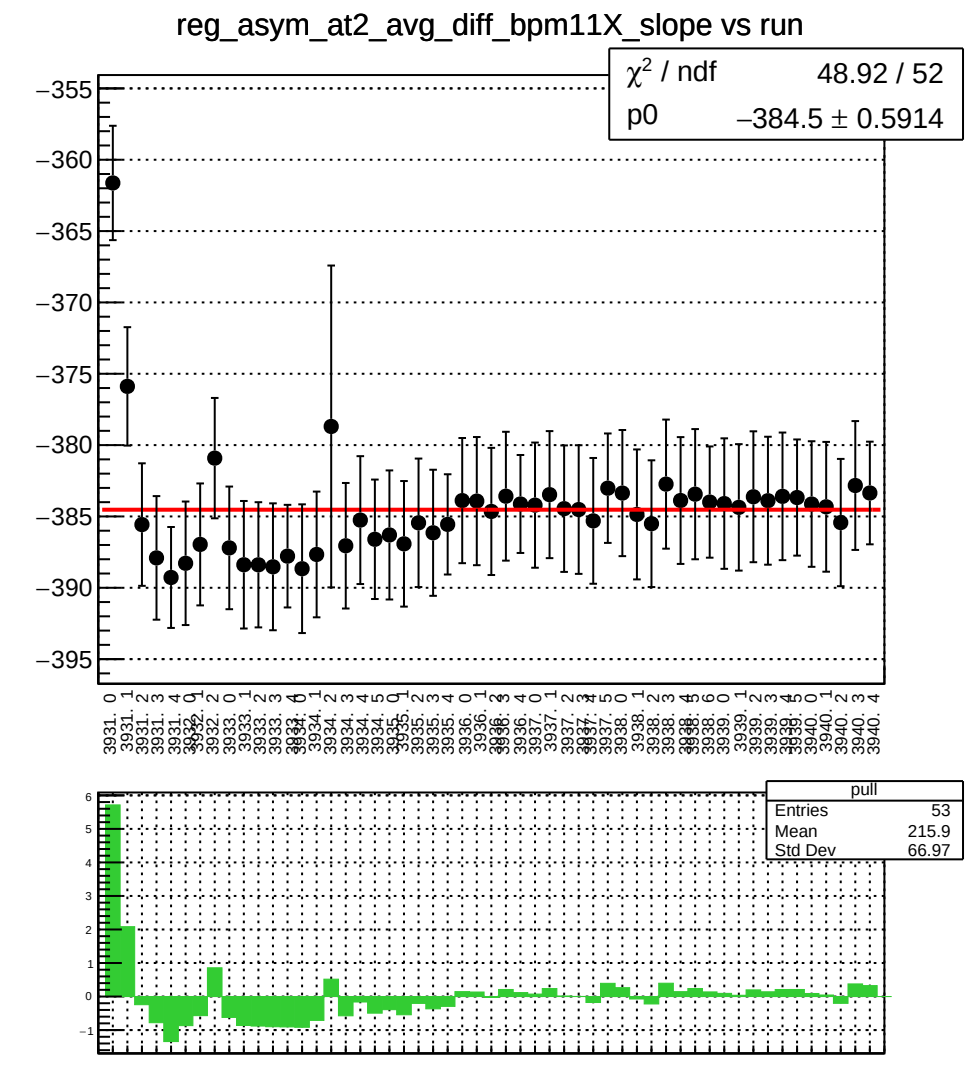

pull1D
Entries 53
Mean −0.01092
Std Dev 0.3282

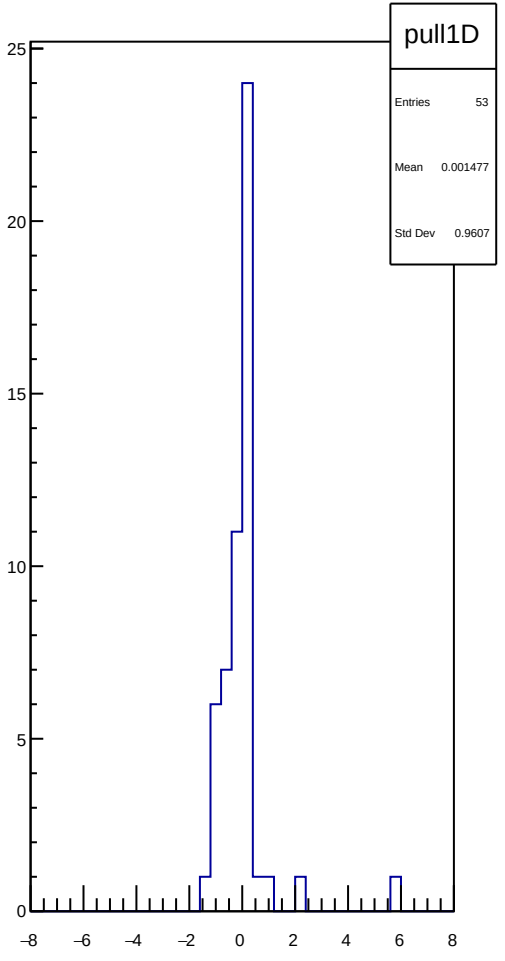

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.81 / 52
p0 −174.2 ± 0.4503
pull
Entries 53
Mean −104.7
Std Dev 130.1

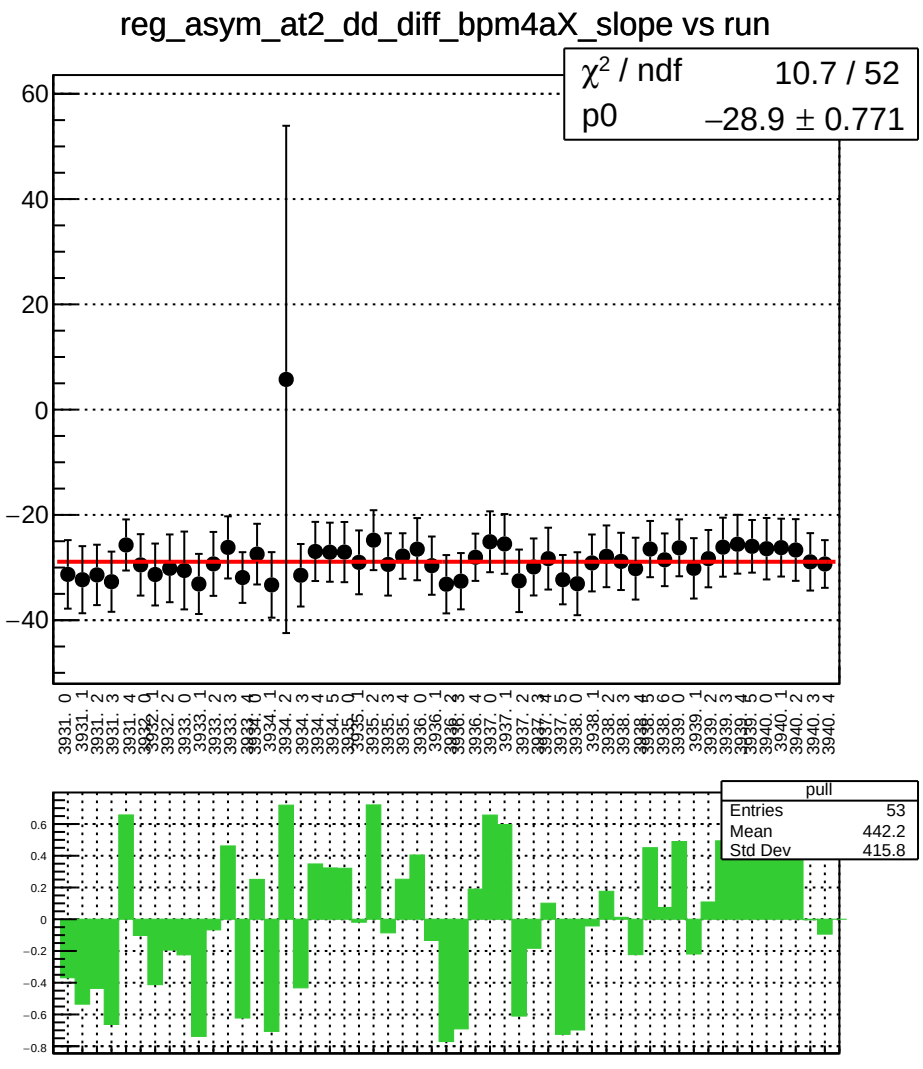

pull1D
Entries 53
Mean −0.02839
Std Dev 0.6836

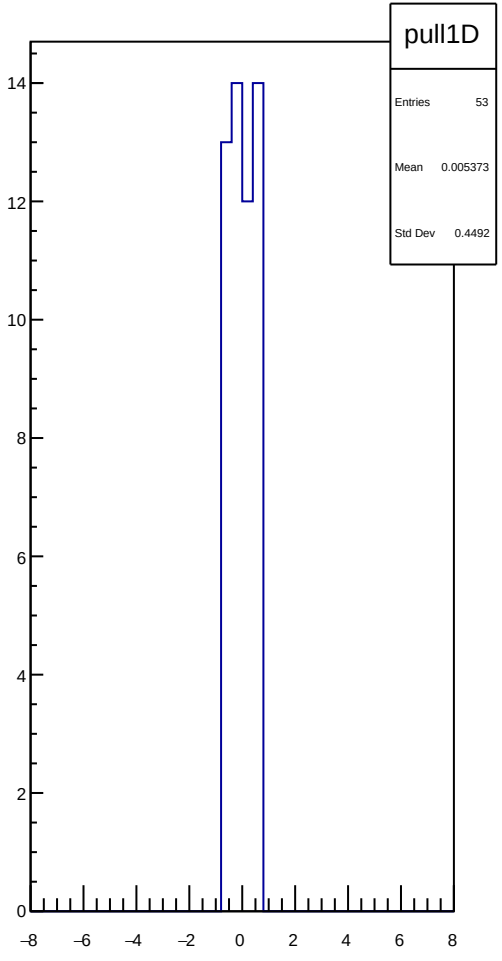

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.243 / 52
p0 55.64 ± 3.786
pull
Entries 53
Mean −122.8
Std Dev 133

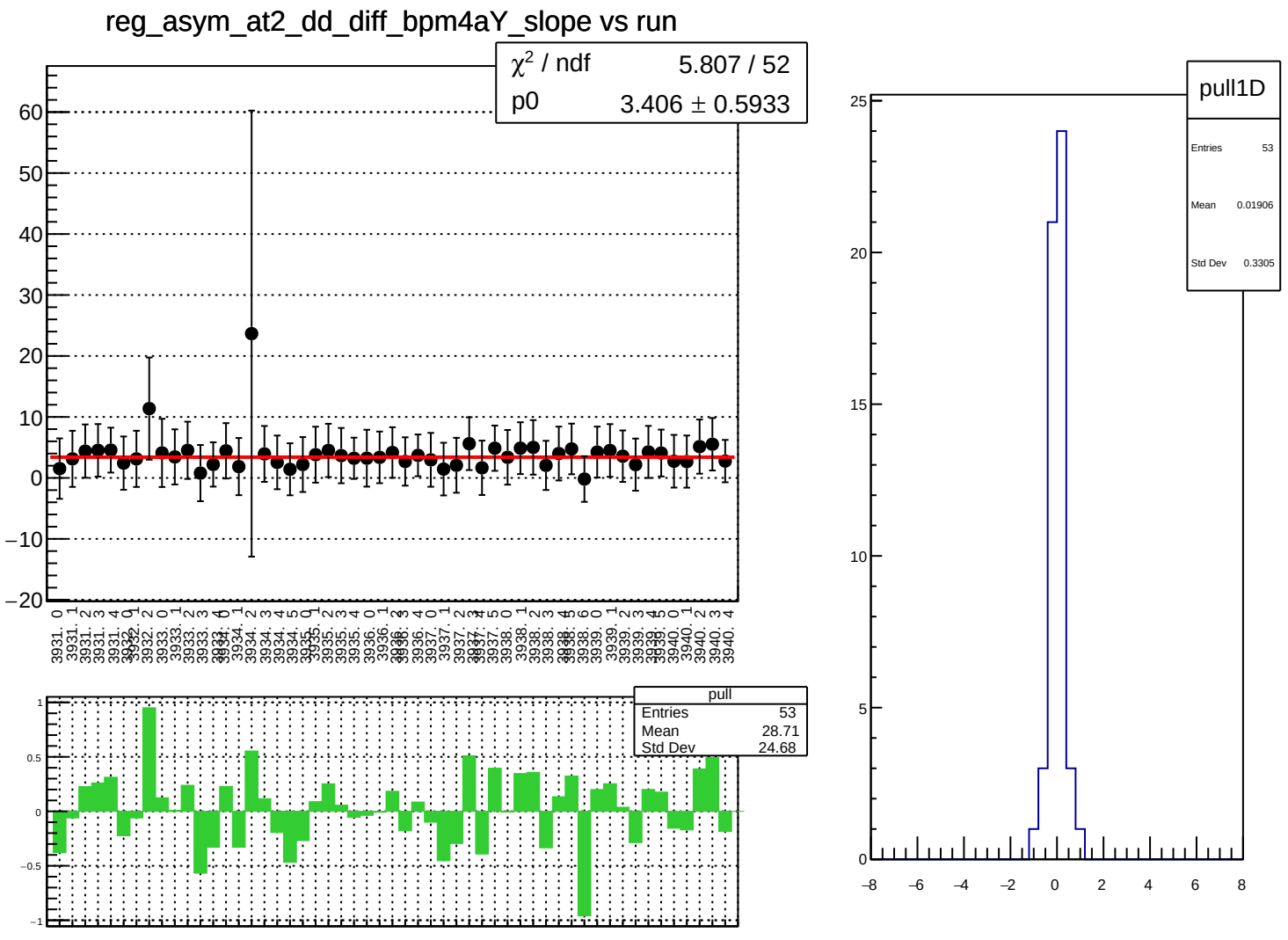

pull1D
Entries 53
Mean −0.0029
Std Dev 0.2473

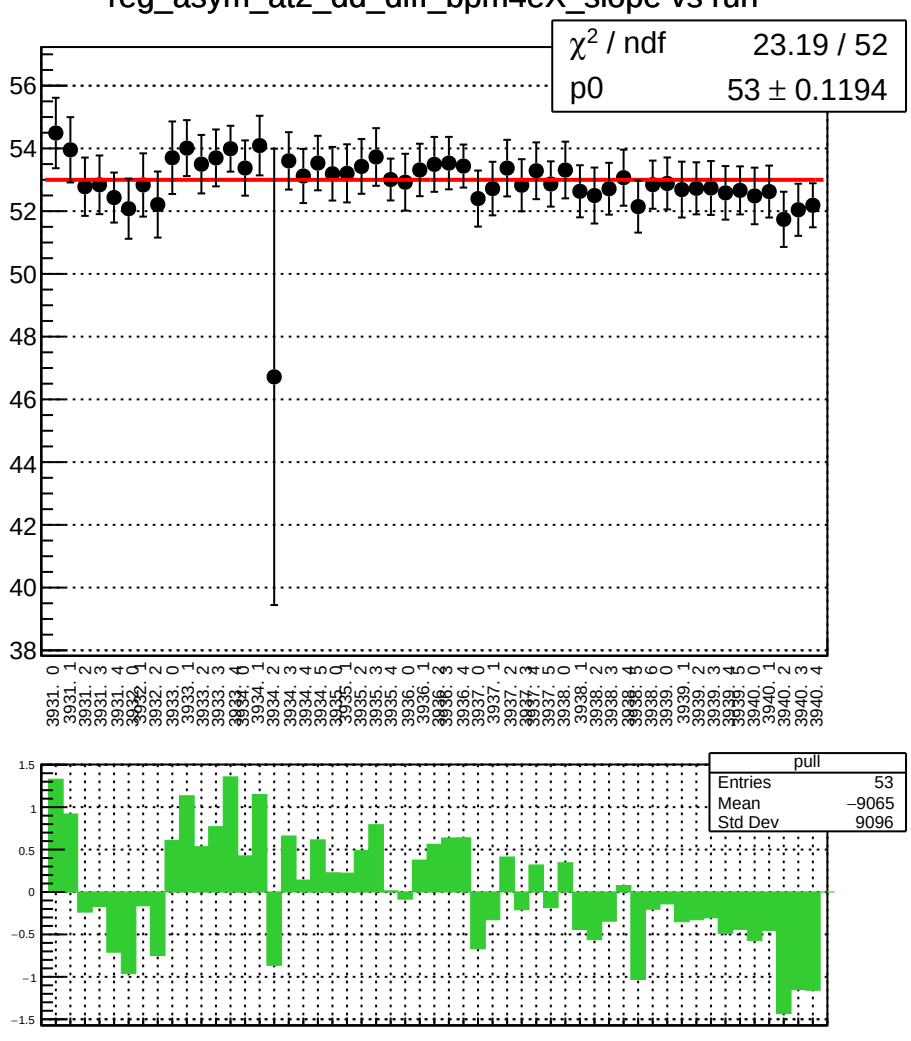

reg_asym_at2_avg_diff_bpm11X_slope vs run
χ² / ndf 48.92 / 52
p0 −384.5 ± 0.5914
pull
Entries 53
Mean 215.9
Std Dev 66.97

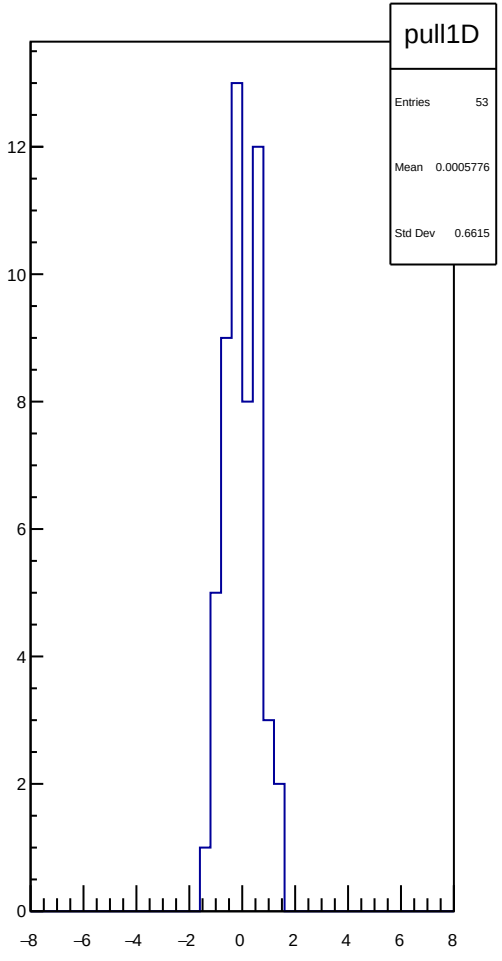

pull1D
Entries 53
Mean 0.001477
Std Dev 0.9607

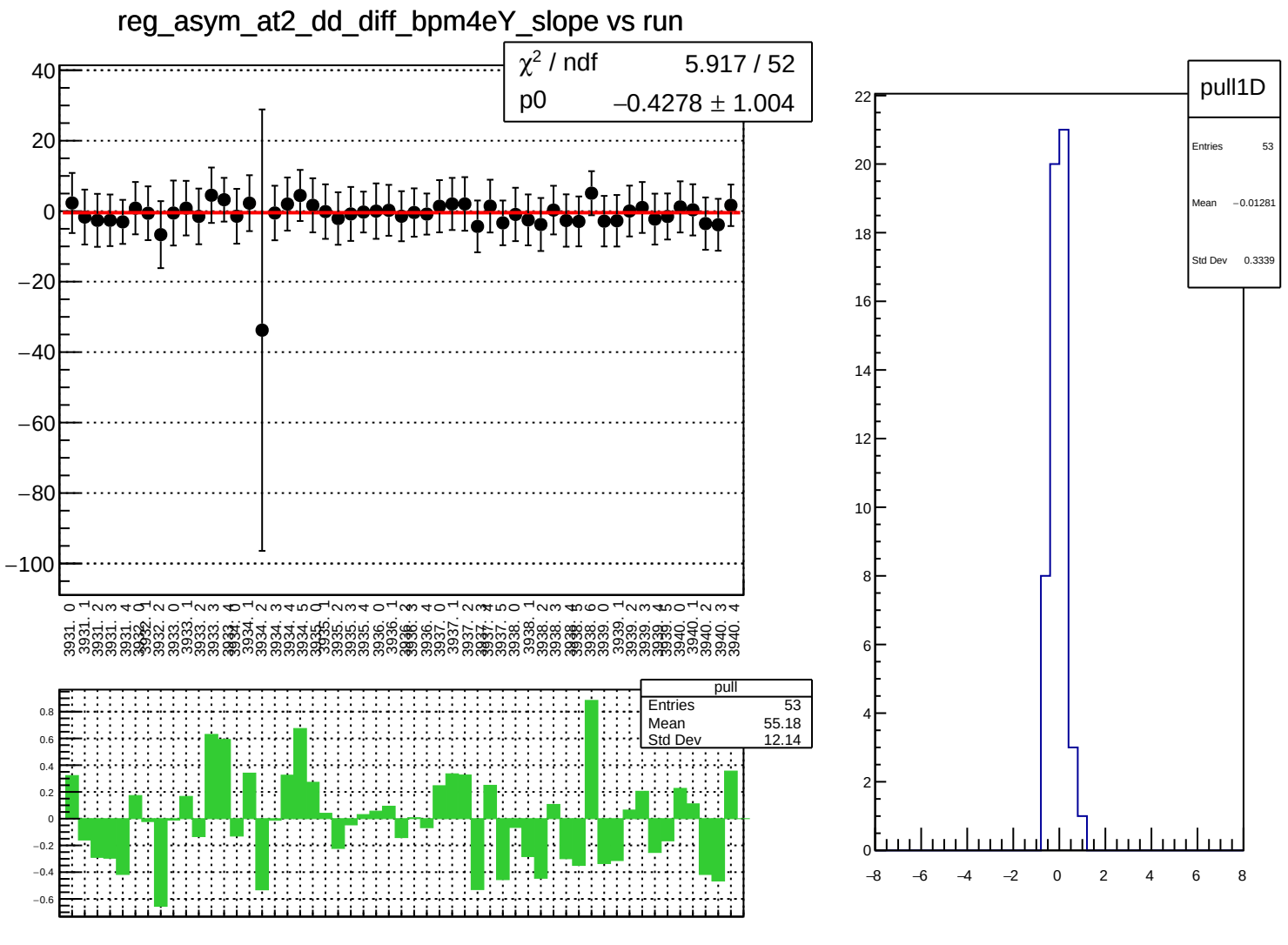

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.7 / 52
p0 −28.9 ± 0.771
pull
Entries 53
Mean 442.2
Std Dev 415.8

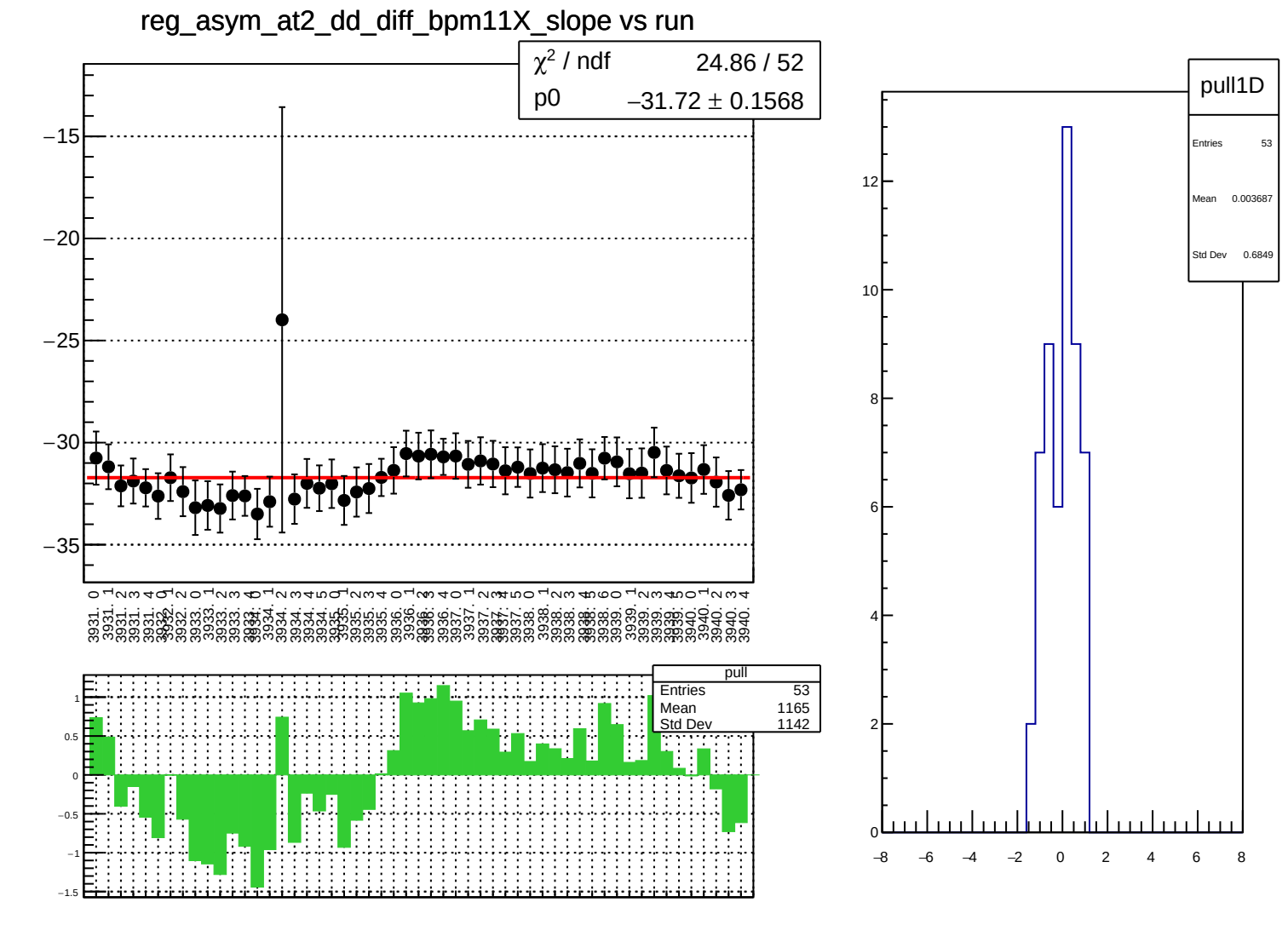

pull1D
Entries 53
Mean 0.005373
Std Dev 0.4492

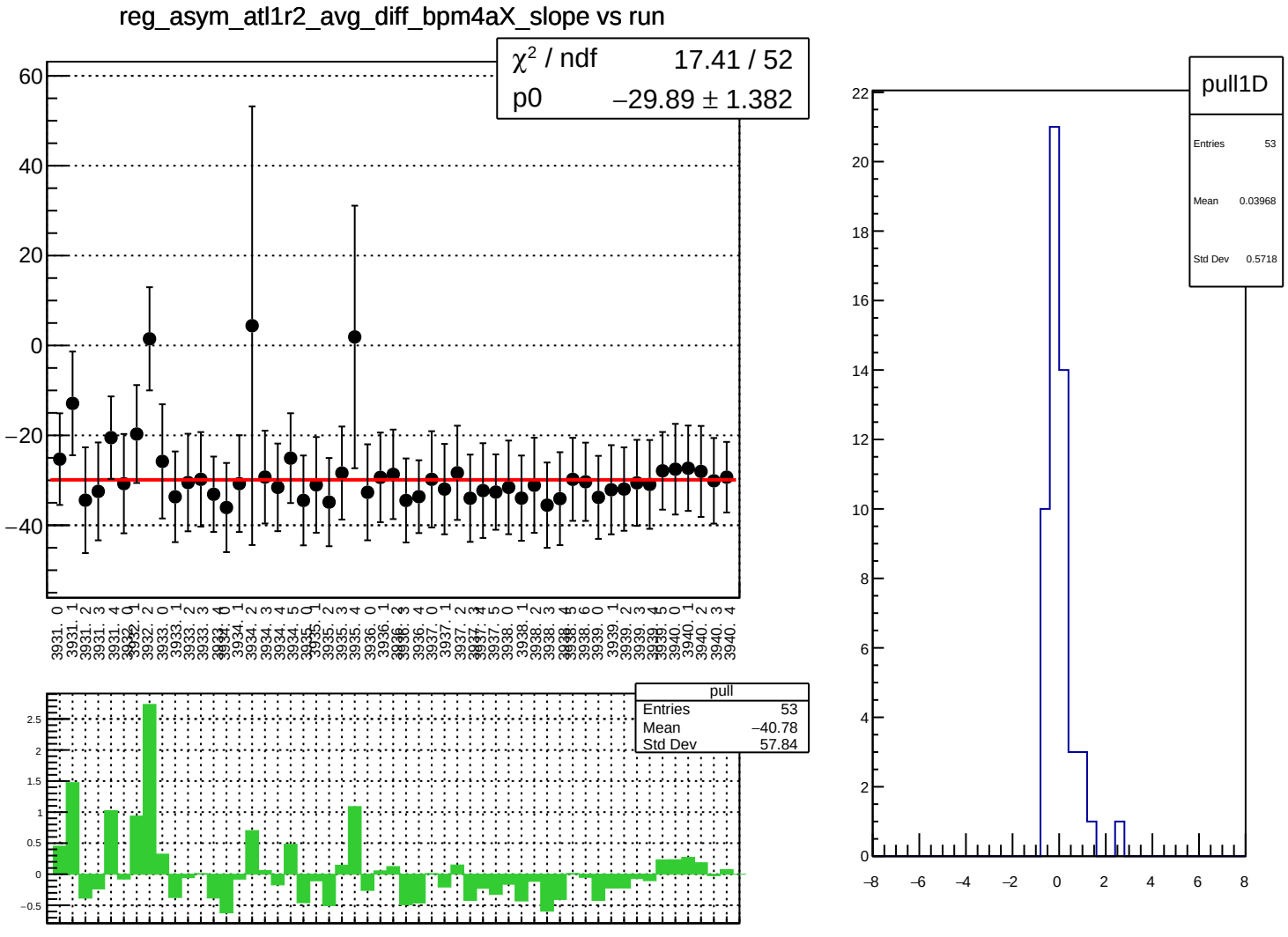

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.807 / 52
p0 3.406 ± 0.5933
pull
Entries 53
Mean 28.71
Std Dev 24.68
pull1D
Entries 53
Mean 0.01906
Std Dev 0.3305

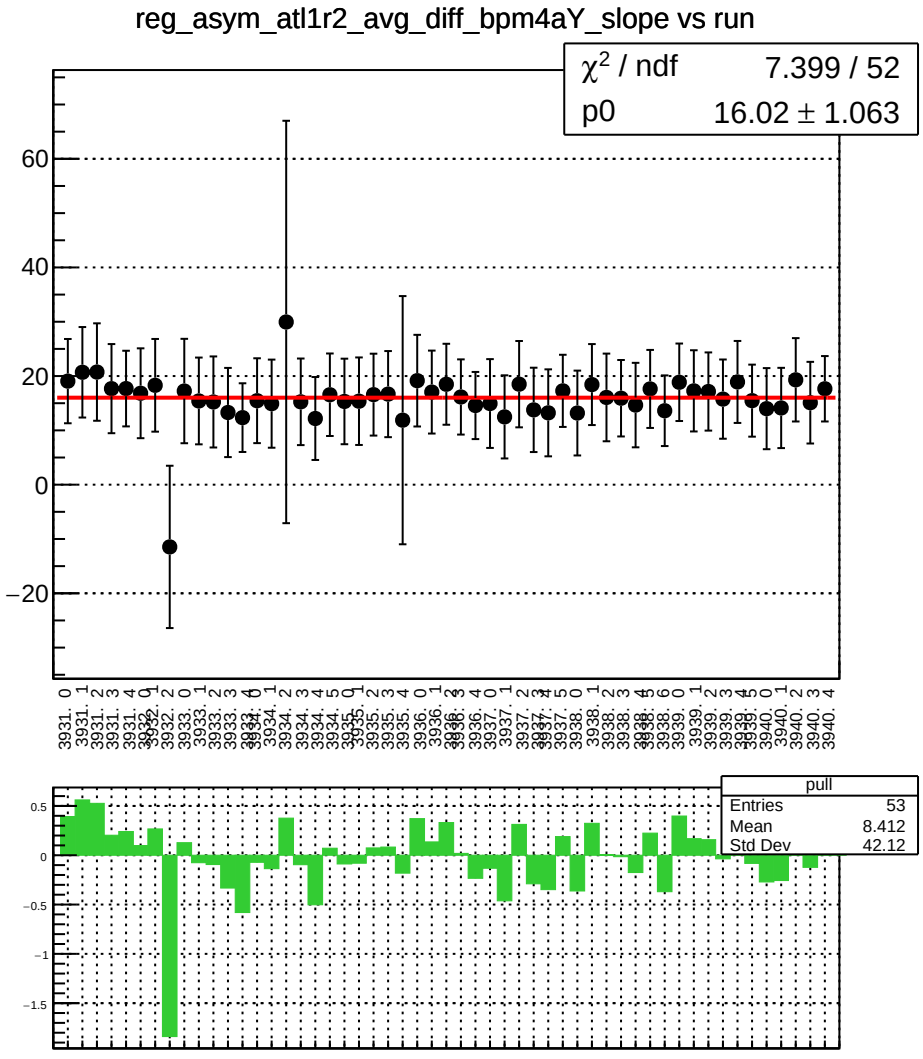

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.19 / 52
p0 53 ± 0.1194
pull
Entries 53
Mean −9065
Std Dev 9096

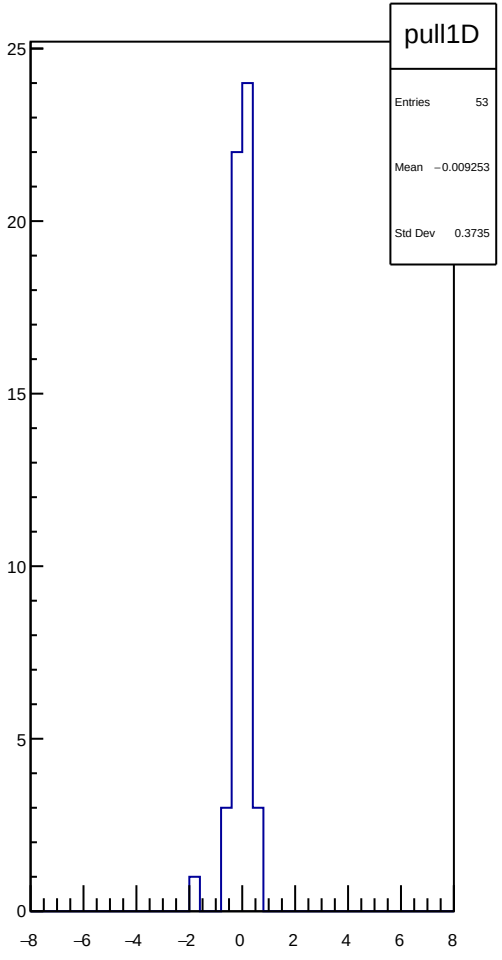

pull1D
Entries 53
Mean 0.0005776
Std Dev 0.6615

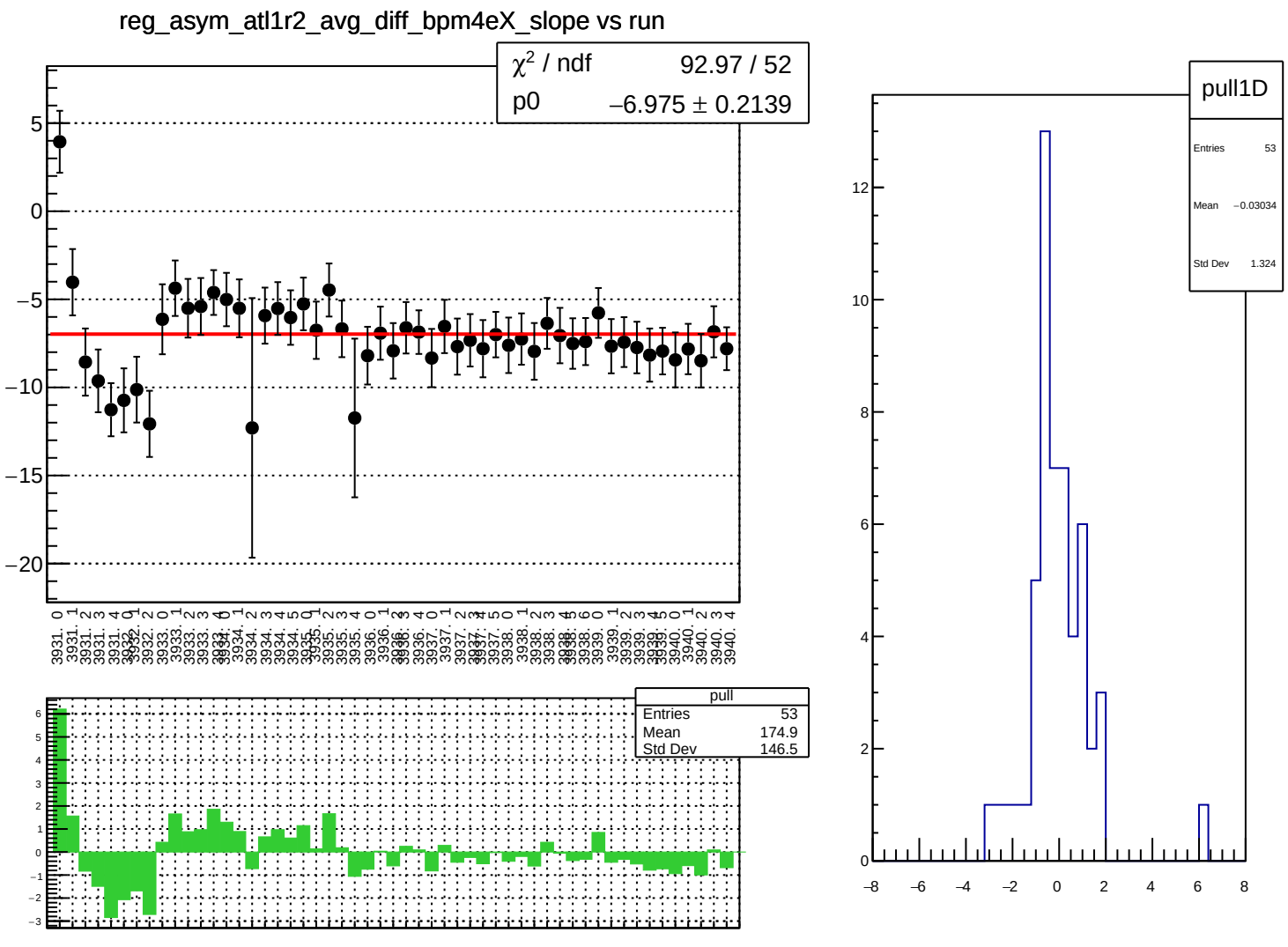

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.917 / 52
p0 −0.4278 ± 1.004
pull
Entries 53
Mean 55.18
Std Dev 12.14
pull1D
Entries 53
Mean −0.01281
Std Dev 0.3339

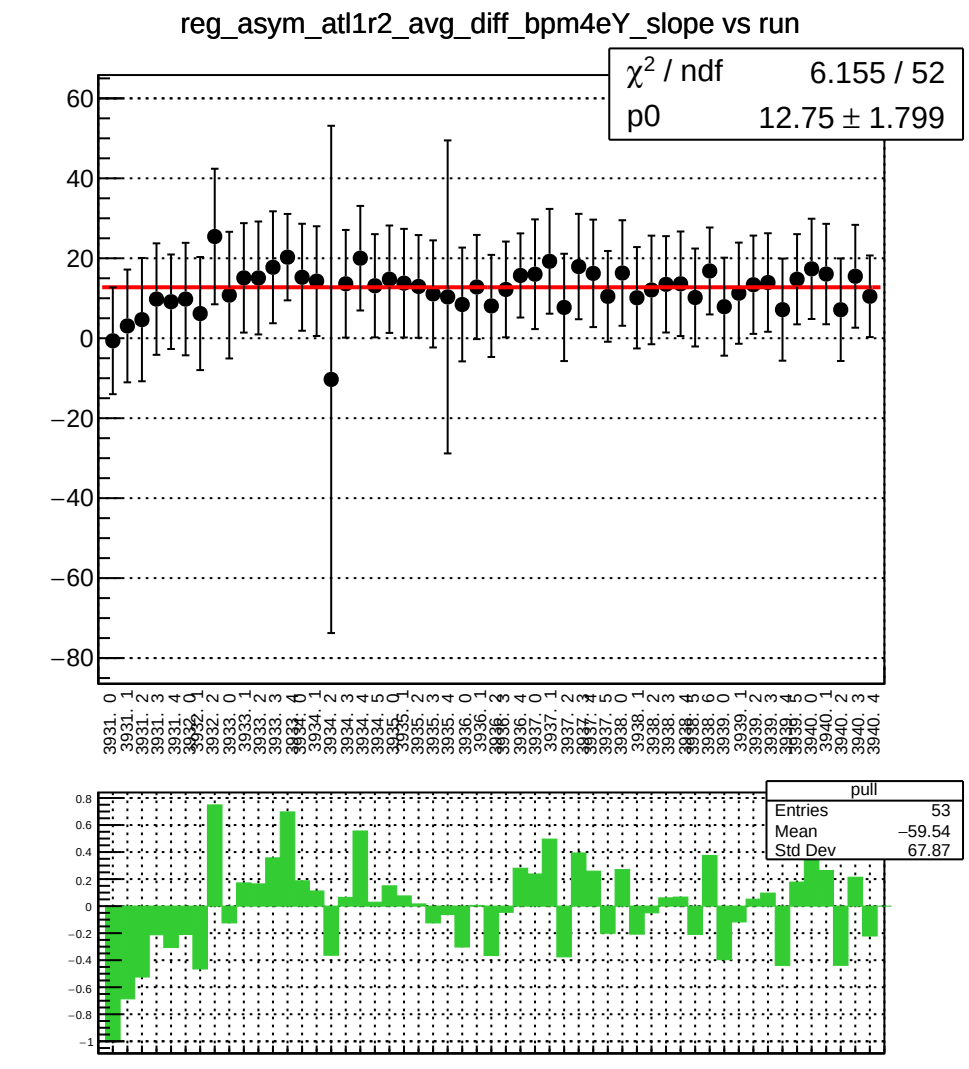

reg_asym_at2_dd_diff_bpm11X_slope vs run
χ² / ndf 24.86 / 52
p0 −31.72 ± 0.1568
pull
Entries 53
Mean 1165
Std Dev 1142
pull1D
Entries 53
Mean 0.003687
Std Dev 0.6849

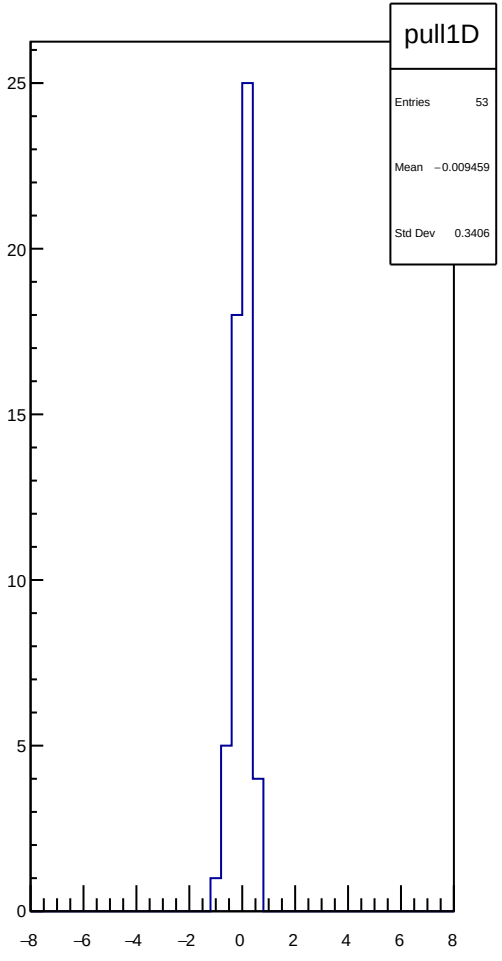

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 17.41 / 52
p0 −29.89 ± 1.382
pull
Entries 53
Mean −40.78
Std Dev 57.84
pull1D
Entries 53
Mean 0.03968
Std Dev 0.5718

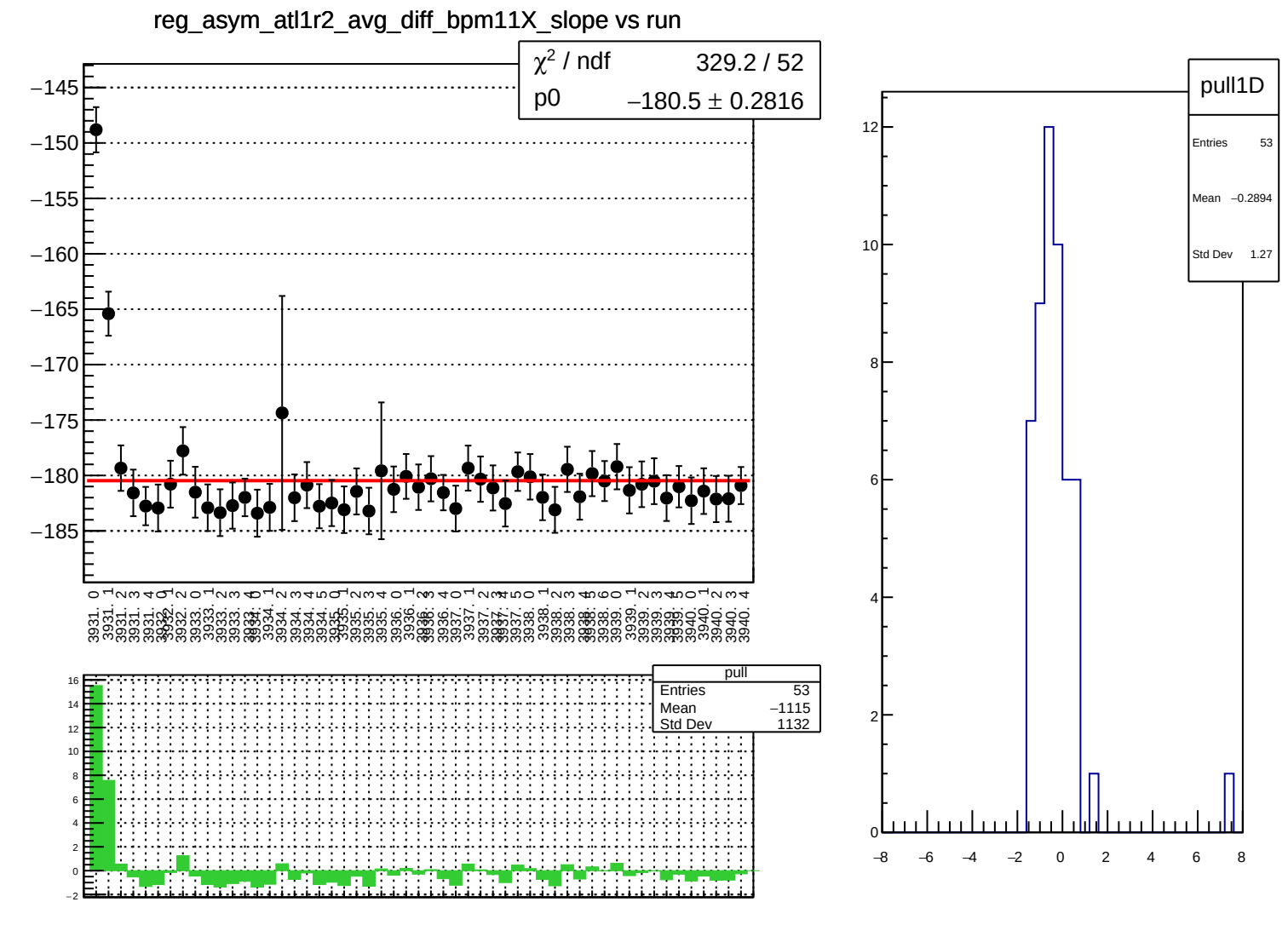

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.399 / 52
p0 16.02 ± 1.063
pull
Entries 53
Mean 8.412
Std Dev 42.12

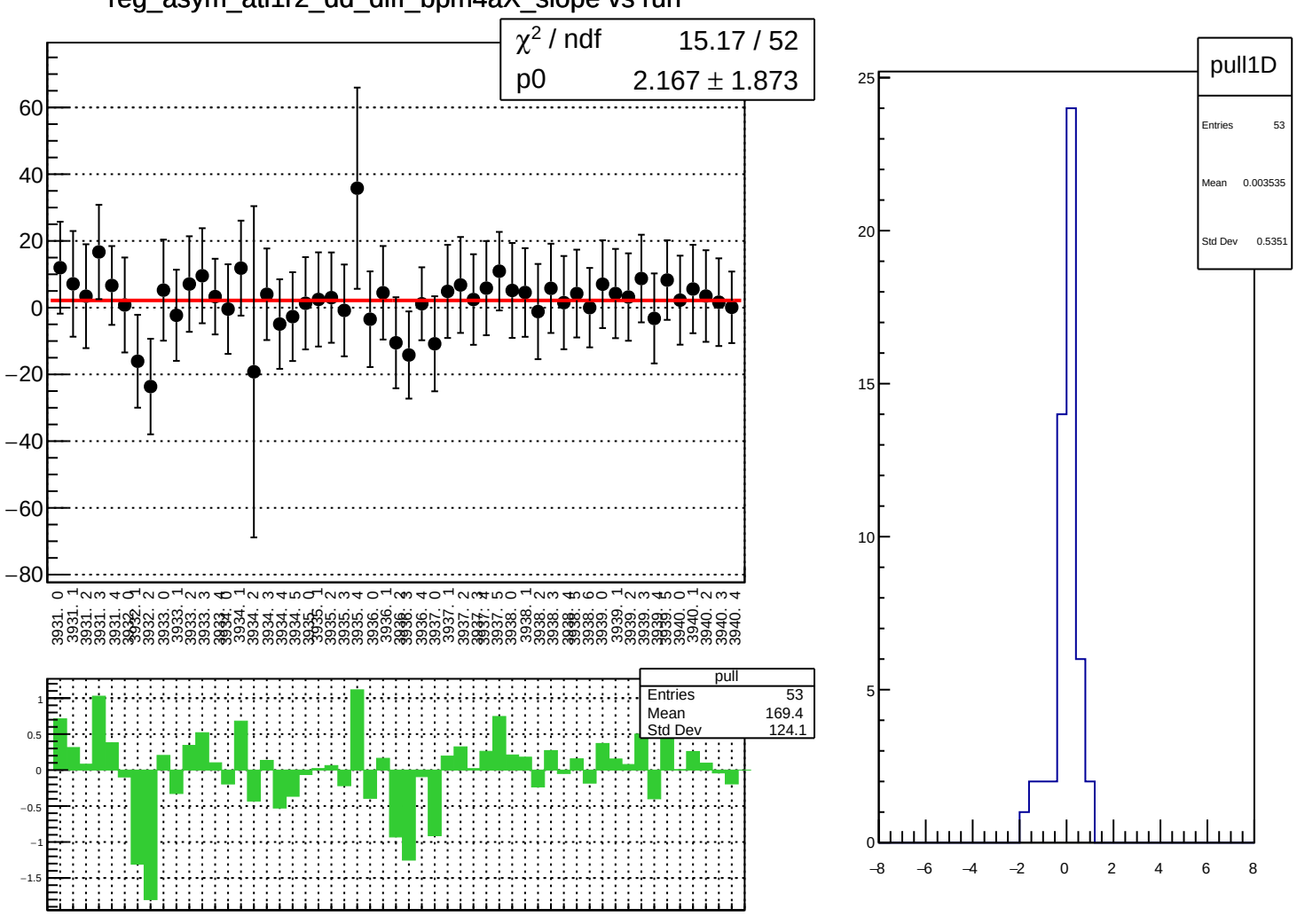

pull1D
Entries 53
Mean −0.009253
Std Dev 0.3735

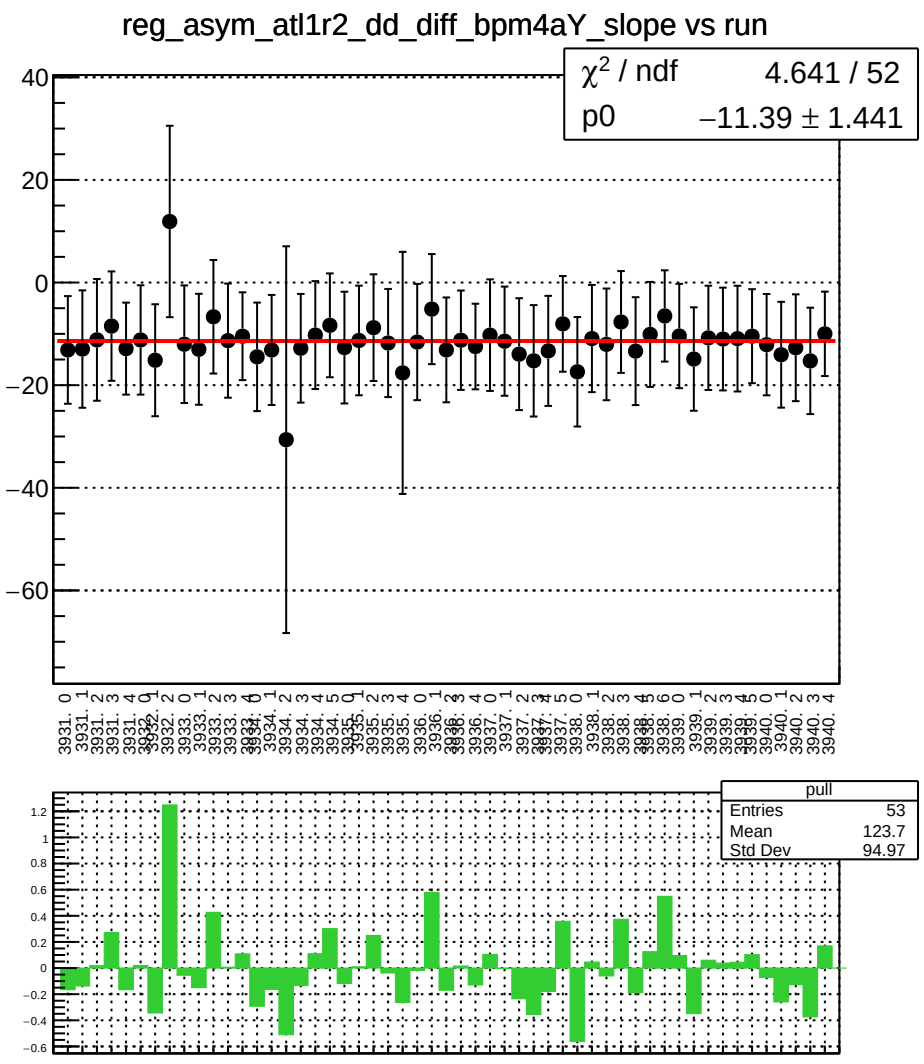

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 92.97 / 52
p0 −6.975 ± 0.2139
pull
Entries 53
Mean 174.9
Std Dev 146.5
pull1D
Entries 53
Mean −0.03034
Std Dev 1.324

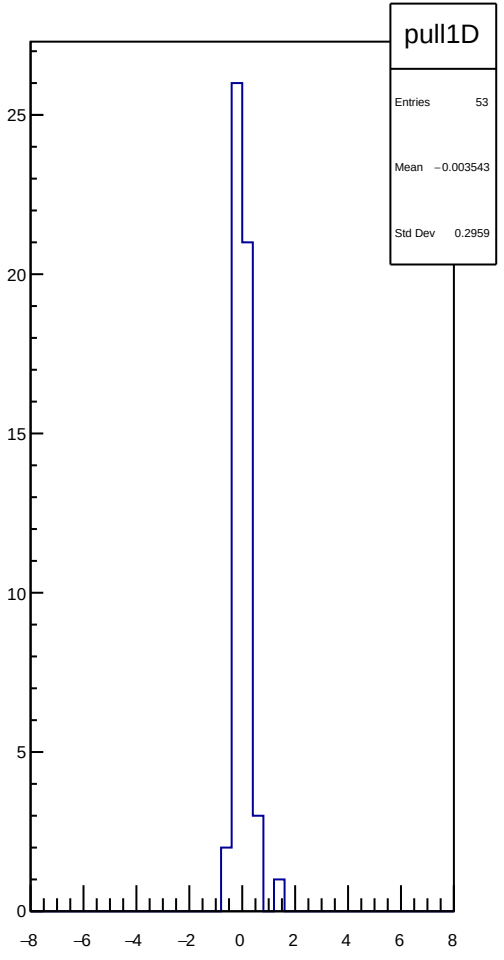

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.155 / 52
p0 12.75 ± 1.799
pull
Entries 53
Mean −59.54
Std Dev 67.87

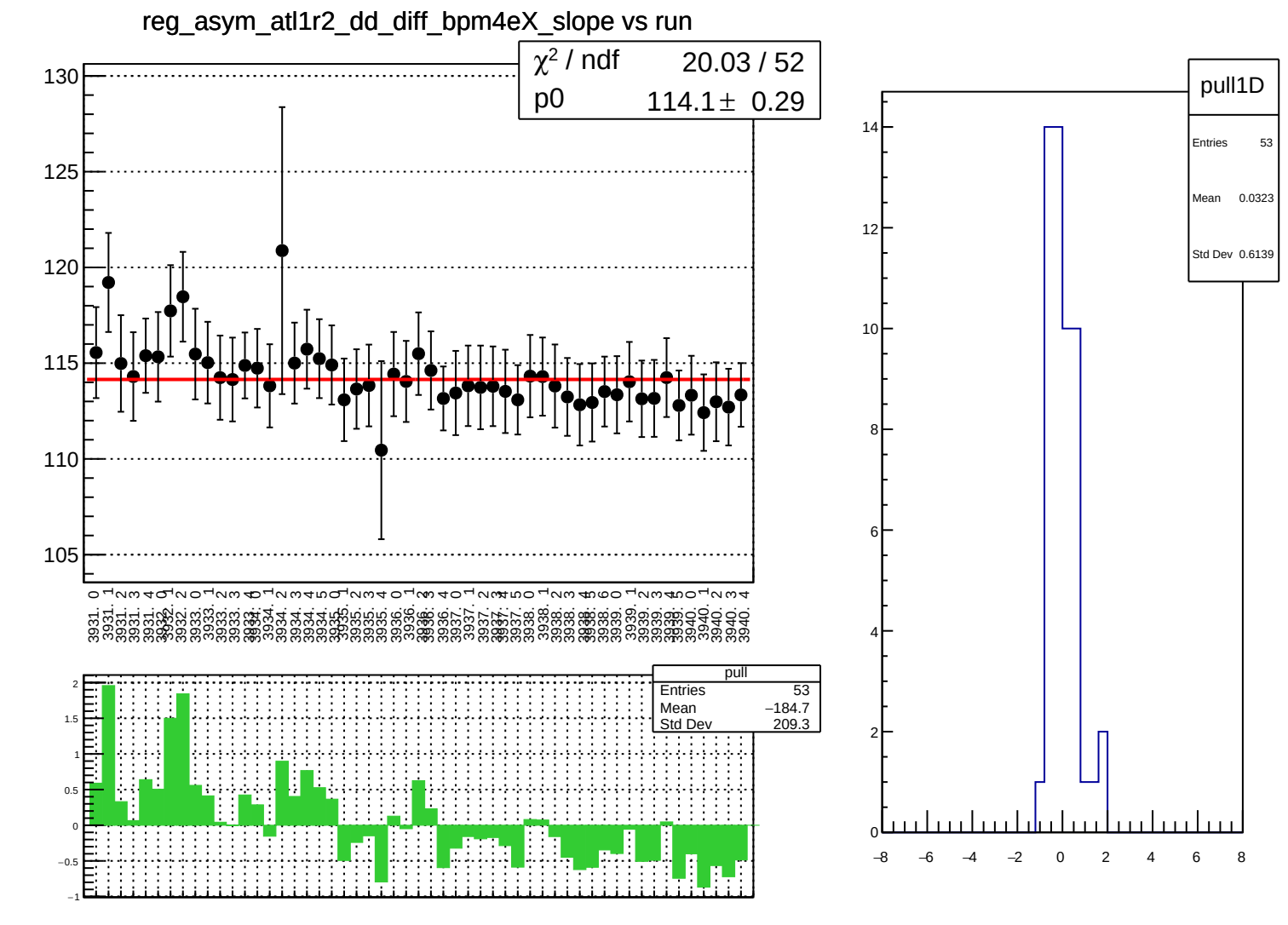

pull1D
Entries 53
Mean −0.009459
Std Dev 0.3406

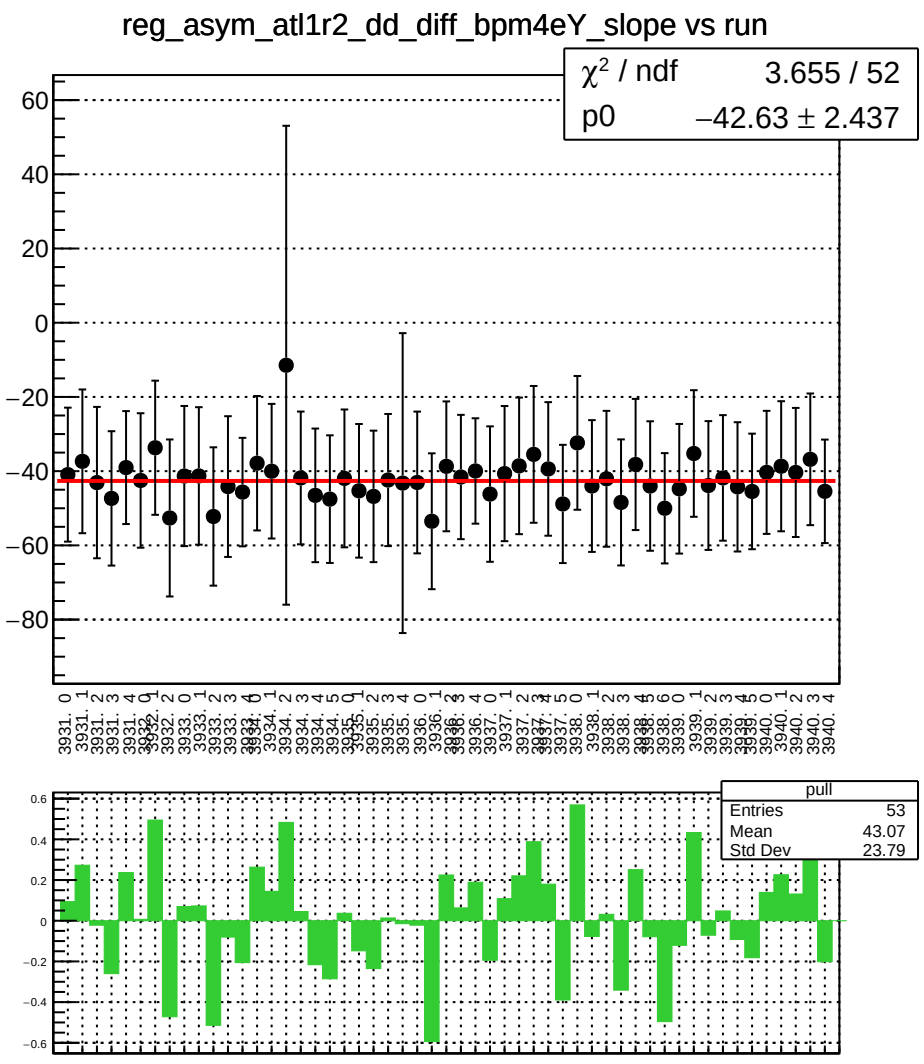

reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ² / ndf 329.2 / 52
p0 −180.5 ± 0.2816
pull
Entries 53
Mean −1115
Std Dev 1132
pull1D
Entries 53
Mean −0.2894
Std Dev 1.27

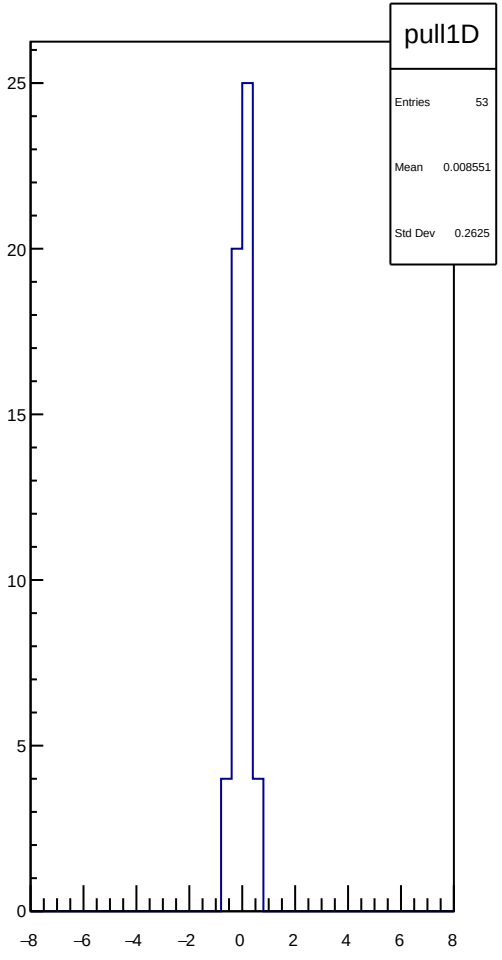

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 15.17 / 52
p0 2.167 ± 1.873
pull
Entries 53
Mean 169.4
Std Dev 124.1
pull1D
Entries 53
Mean 0.003535
Std Dev 0.5351

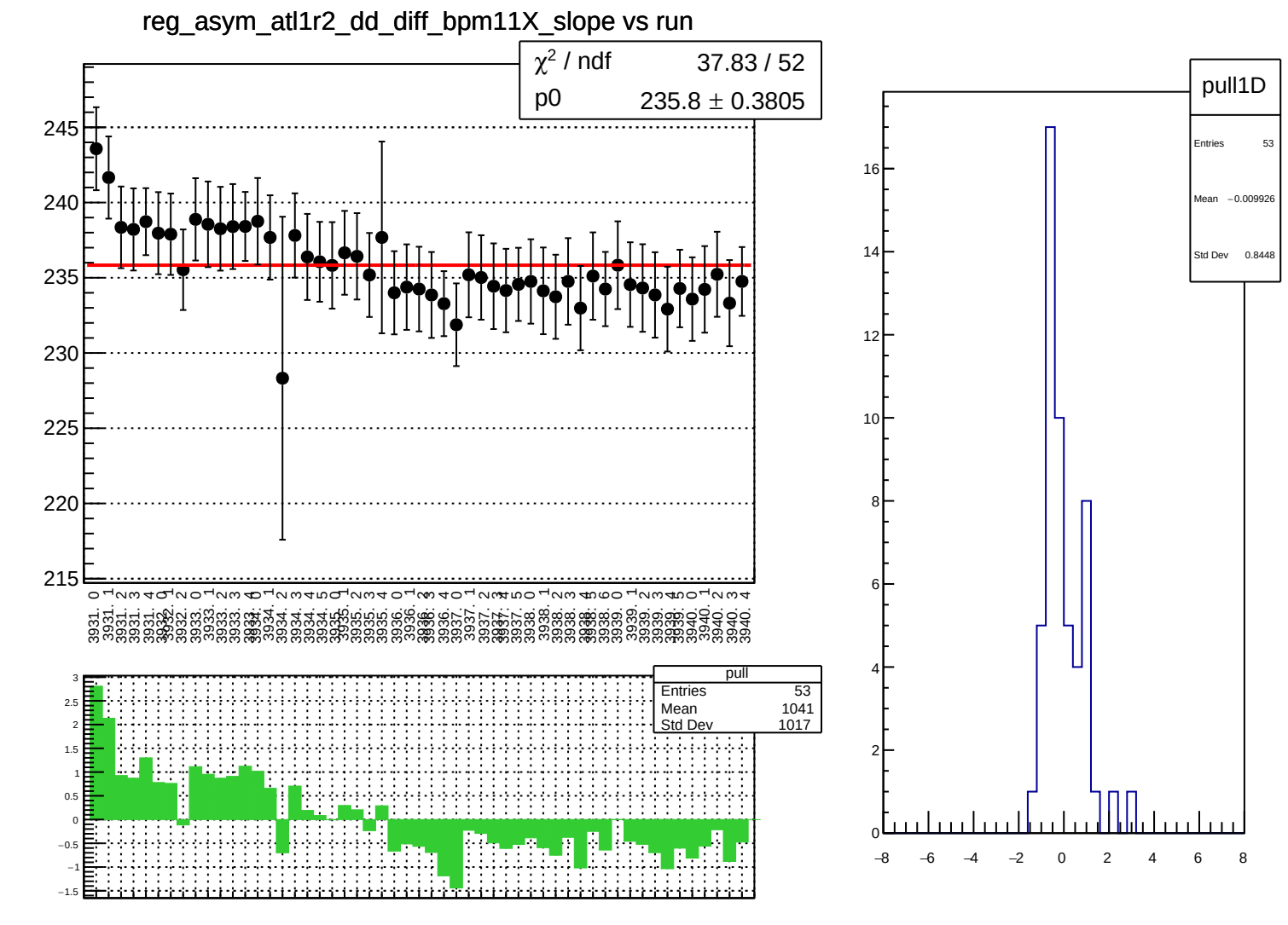

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.641 / 52
p0 −11.39 ± 1.441
pull
Entries 53
Mean 123.7
Std Dev 94.97

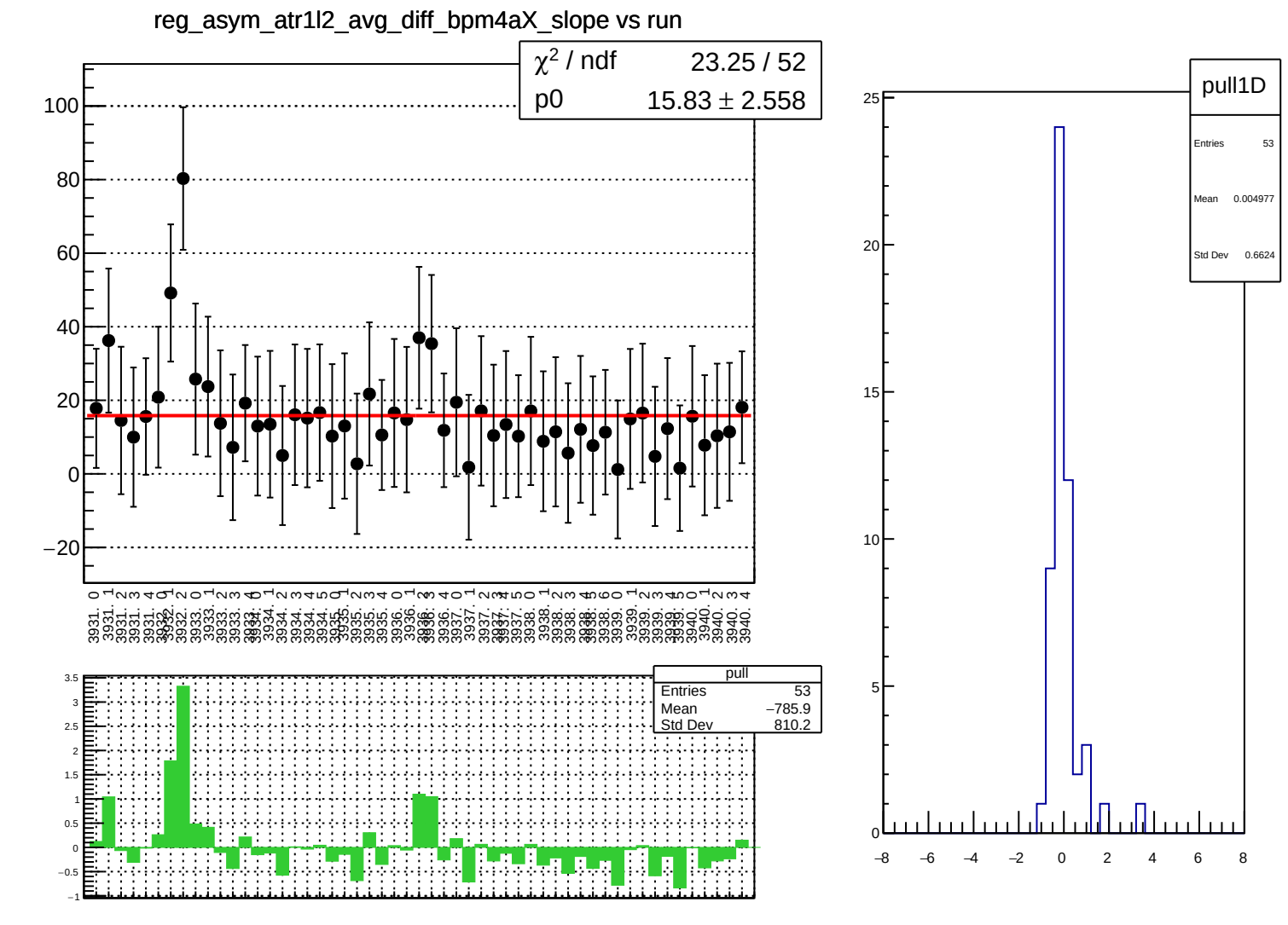

pull1D
Entries 53
Mean −0.003543
Std Dev 0.2959

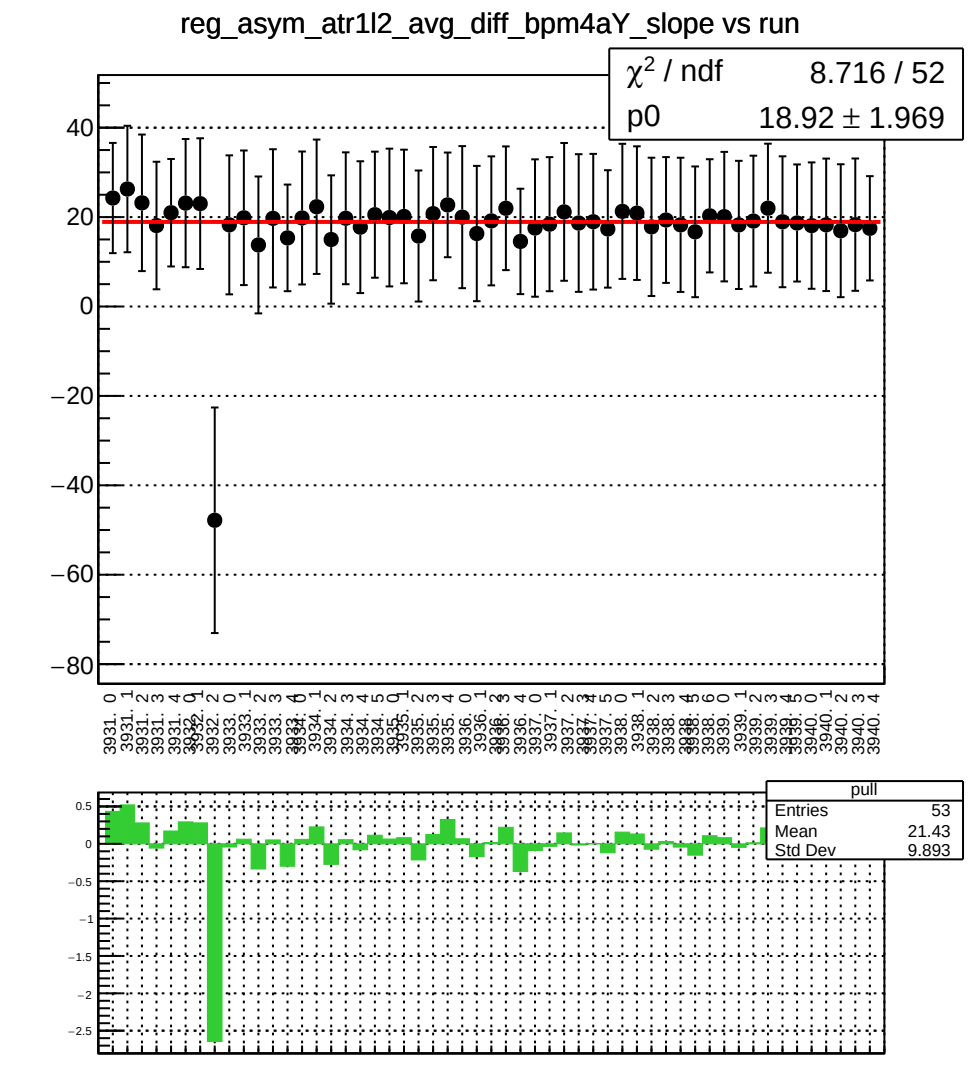

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.03 / 52
p0 114.1 ± 0.29
pull
Entries 53
Mean −184.7
Std Dev 209.3
pull1D
Entries 53
Mean 0.0323
Std Dev 0.6139

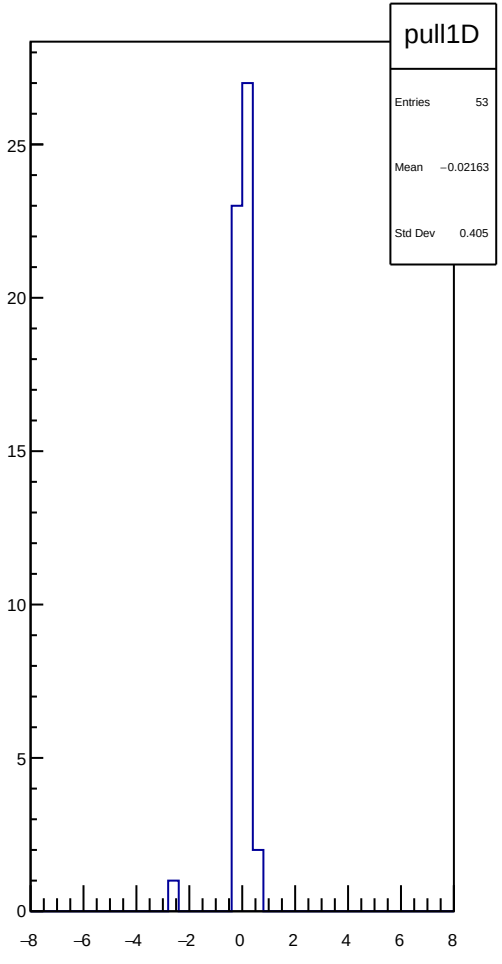

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.655 / 52
p0 −42.63 ± 2.437
pull
Entries 53
Mean 43.07
Std Dev 23.79

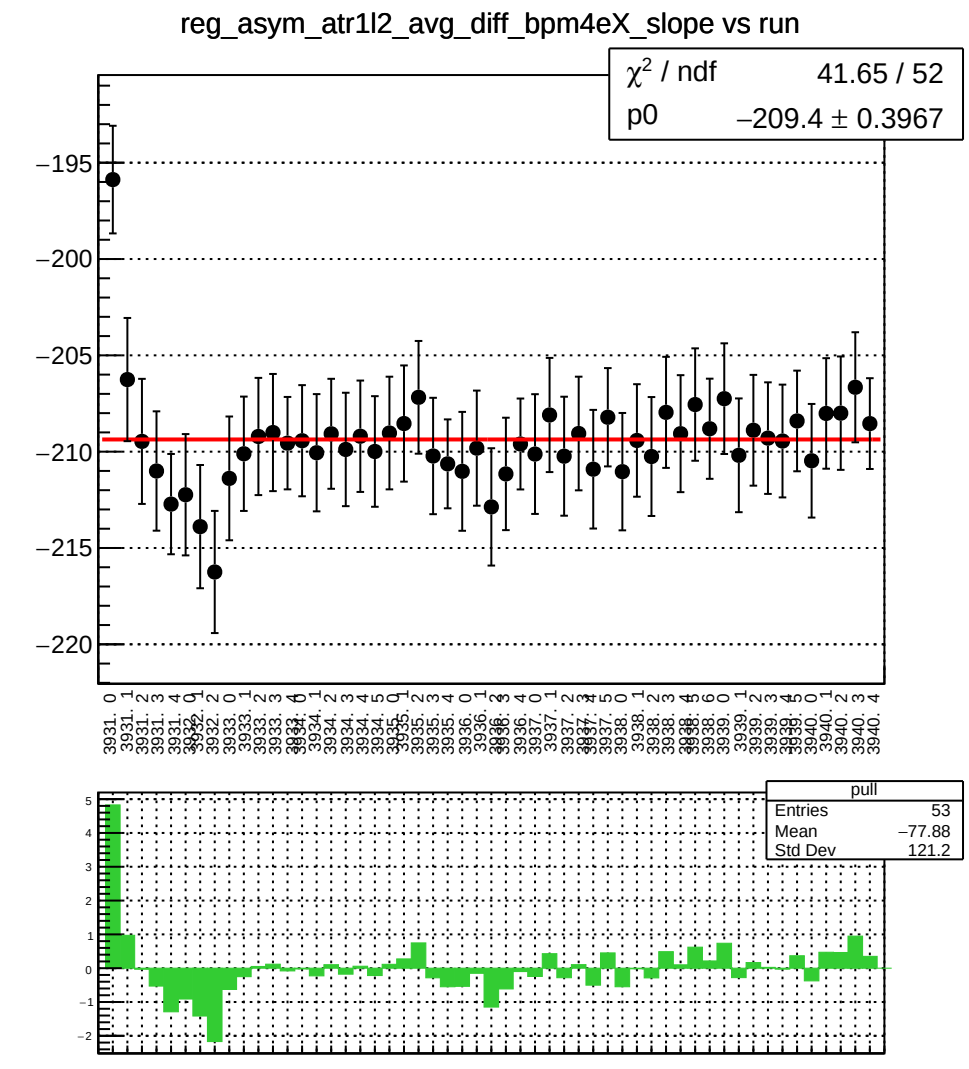

pull1D
Entries 53
Mean 0.008551
Std Dev 0.2625

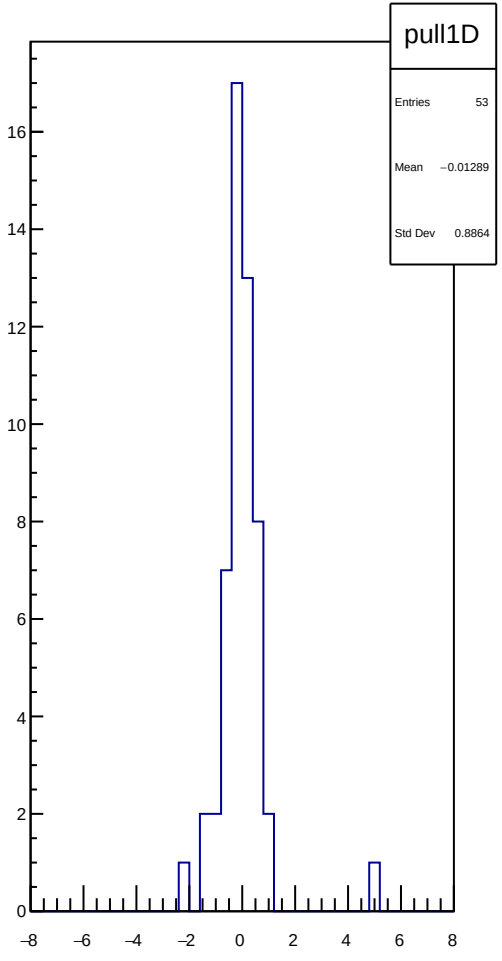

reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ² / ndf 37.83 / 52
p0 235.8 ± 0.3805
pull
Entries 53
Mean 1041
Std Dev 1017
pull1D
Entries 53
Mean −0.009926
Std Dev 0.8448

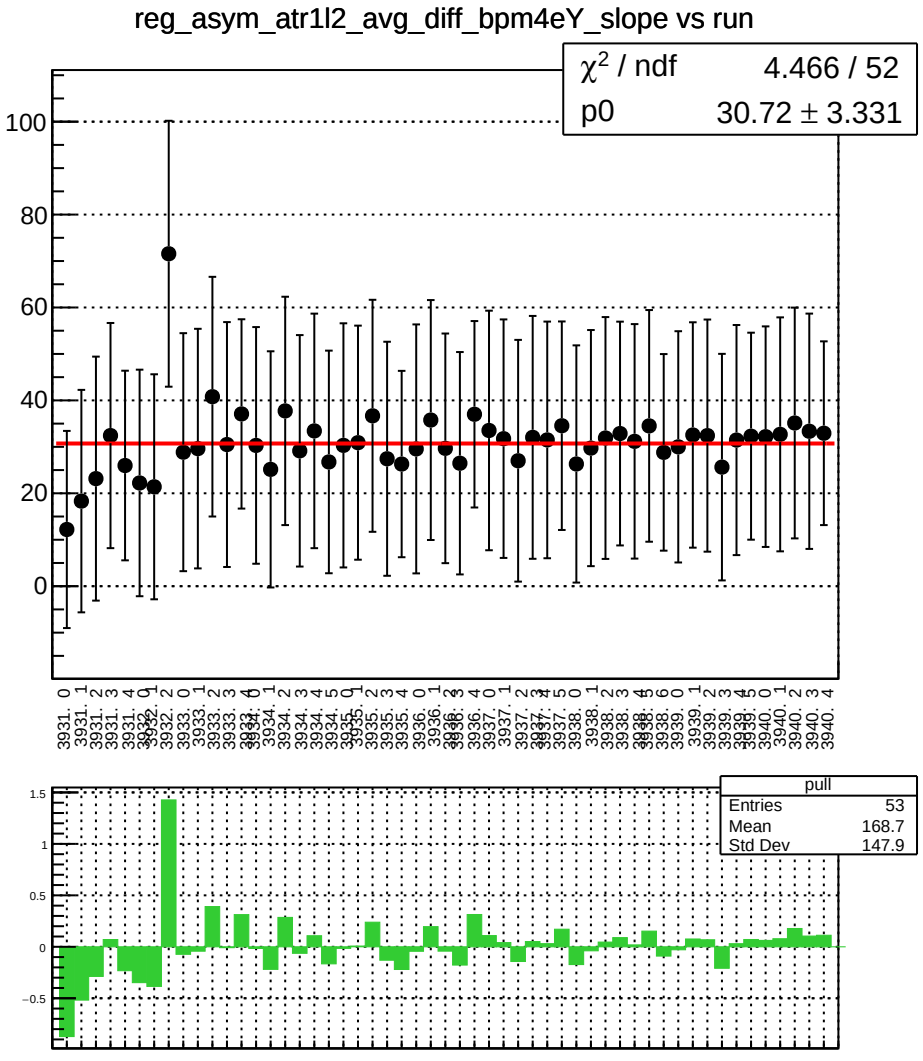

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.25 / 52
p0 15.83 ± 2.558
pull
Entries 53
Mean −785.9
Std Dev 810.2
pull1D
Entries 53
Mean 0.004977
Std Dev 0.6624

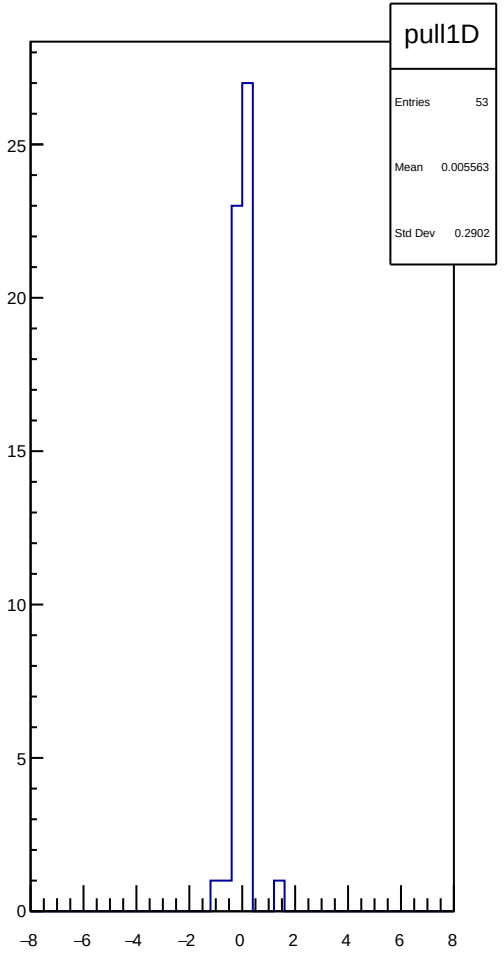

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.716 / 52
p0 18.92 ± 1.969
pull
Entries 53
Mean 21.43
Std Dev 9.893

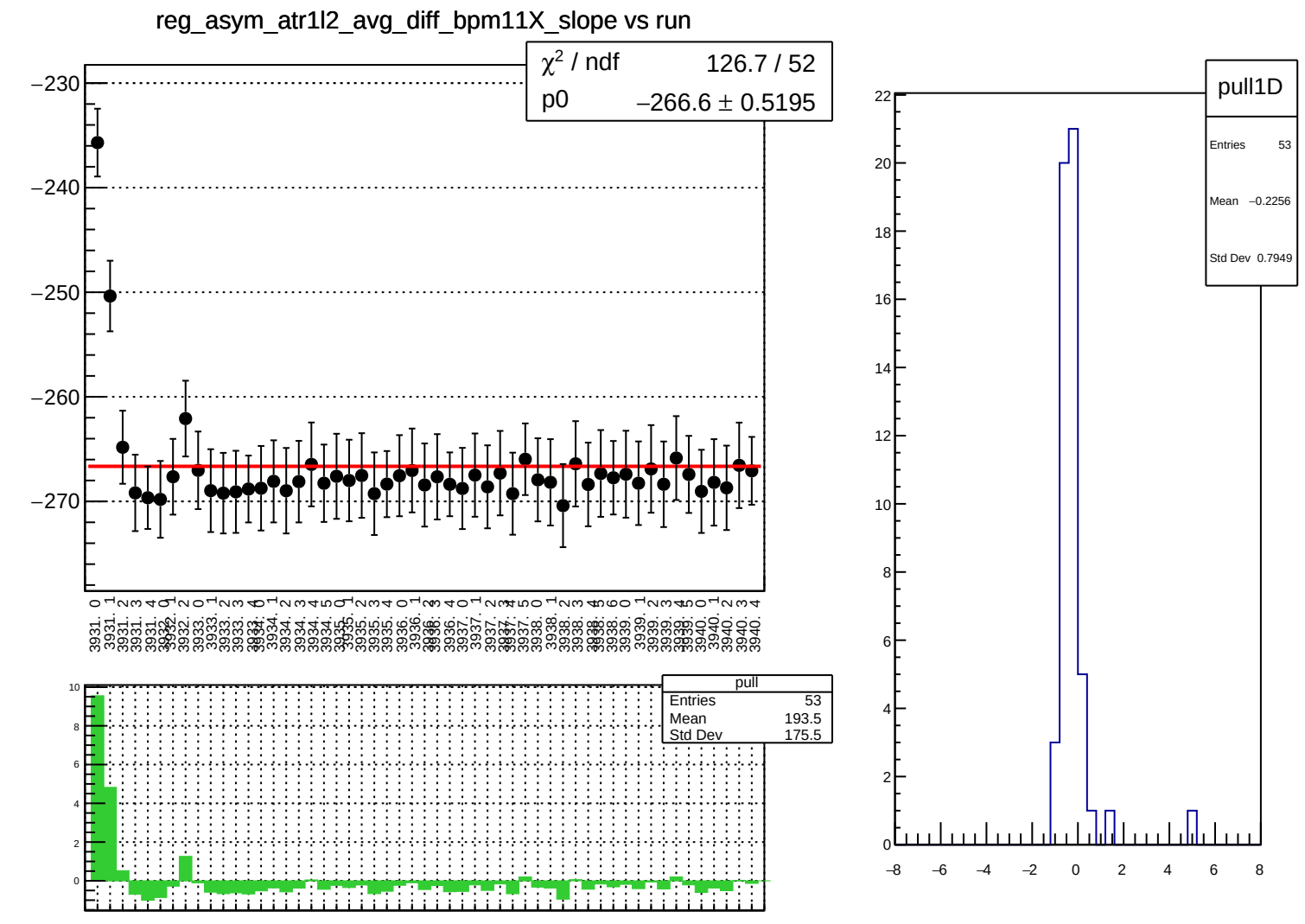

pull1D
Entries 53
Mean −0.02163
Std Dev 0.405

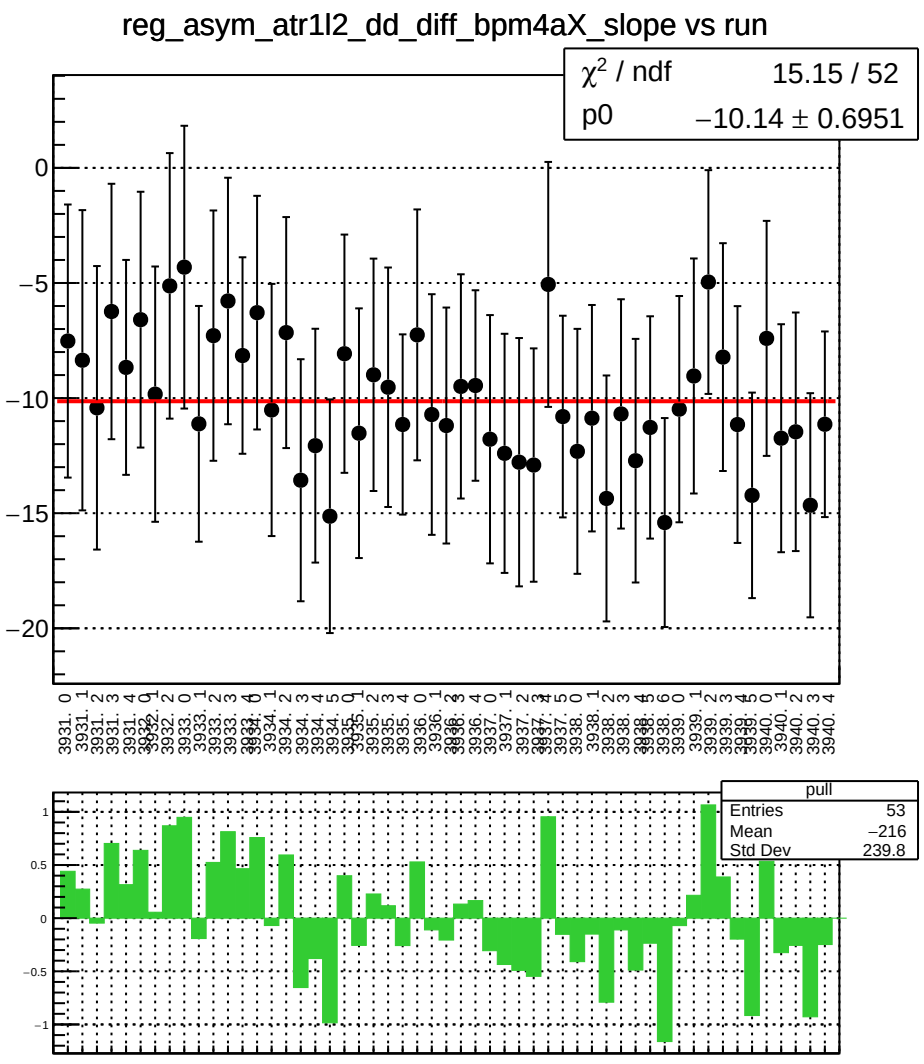

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.65 / 52
p0 −209.4 ± 0.3967
pull
Entries 53
Mean −77.88
Std Dev 121.2

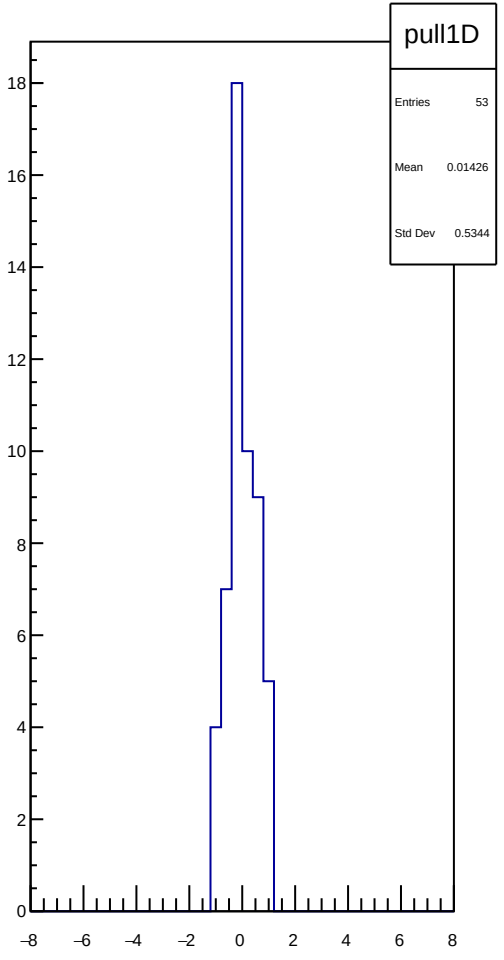

pull1D
Entries 53
Mean −0.01289
Std Dev 0.8864

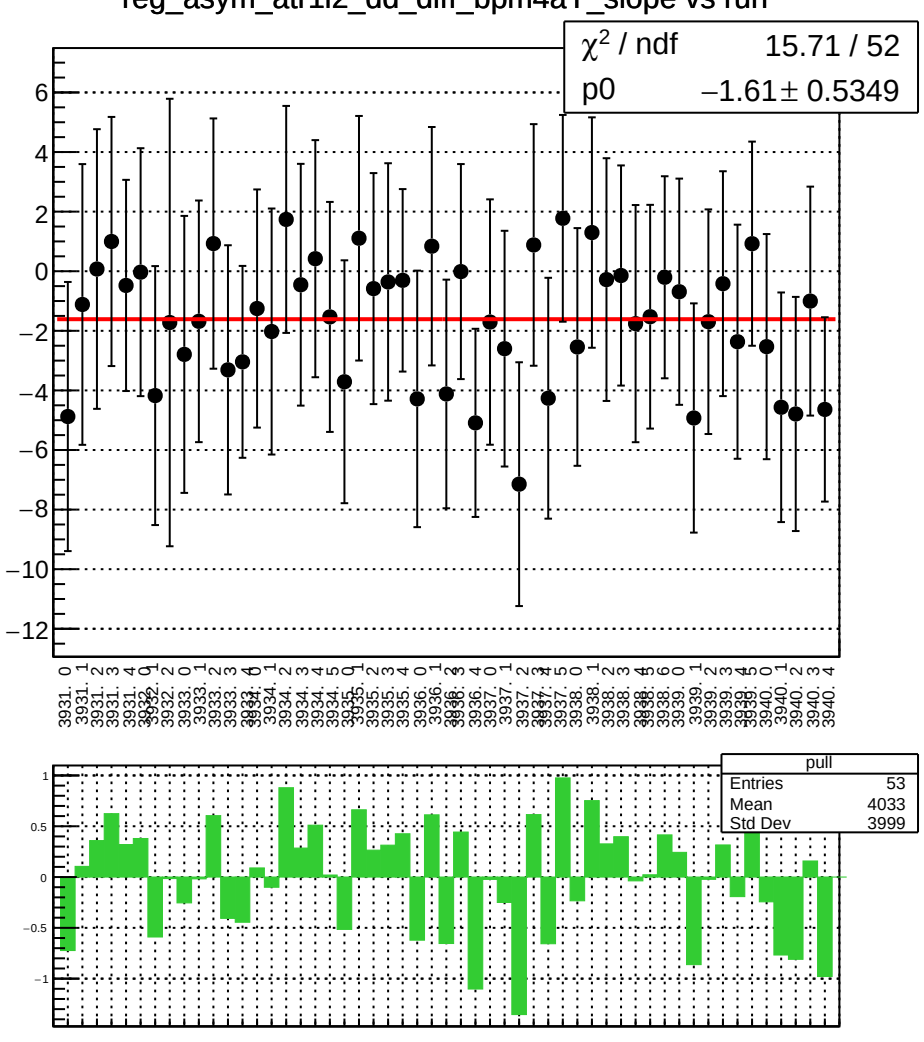

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.466 / 52
p0 30.72 ± 3.331
pull
Entries 53
Mean 168.7
Std Dev 147.9

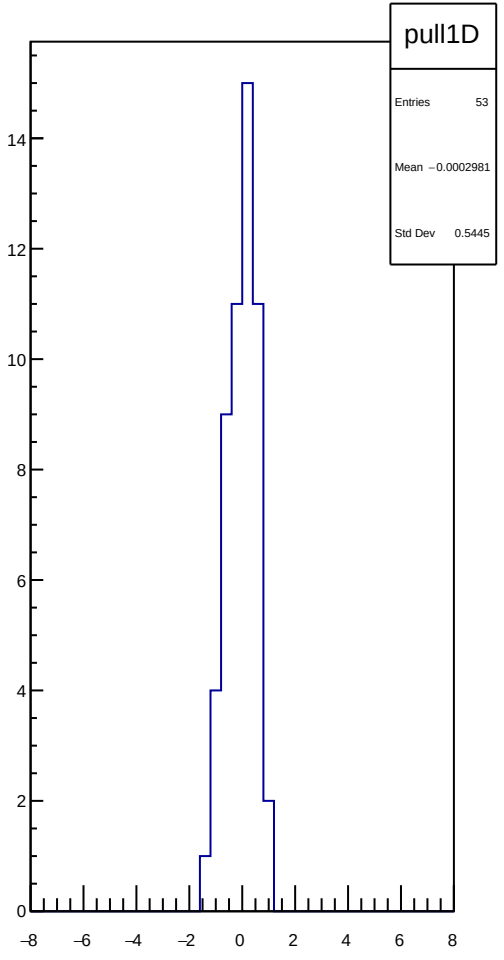

pull1D
Entries 53
Mean 0.005563
Std Dev 0.2902

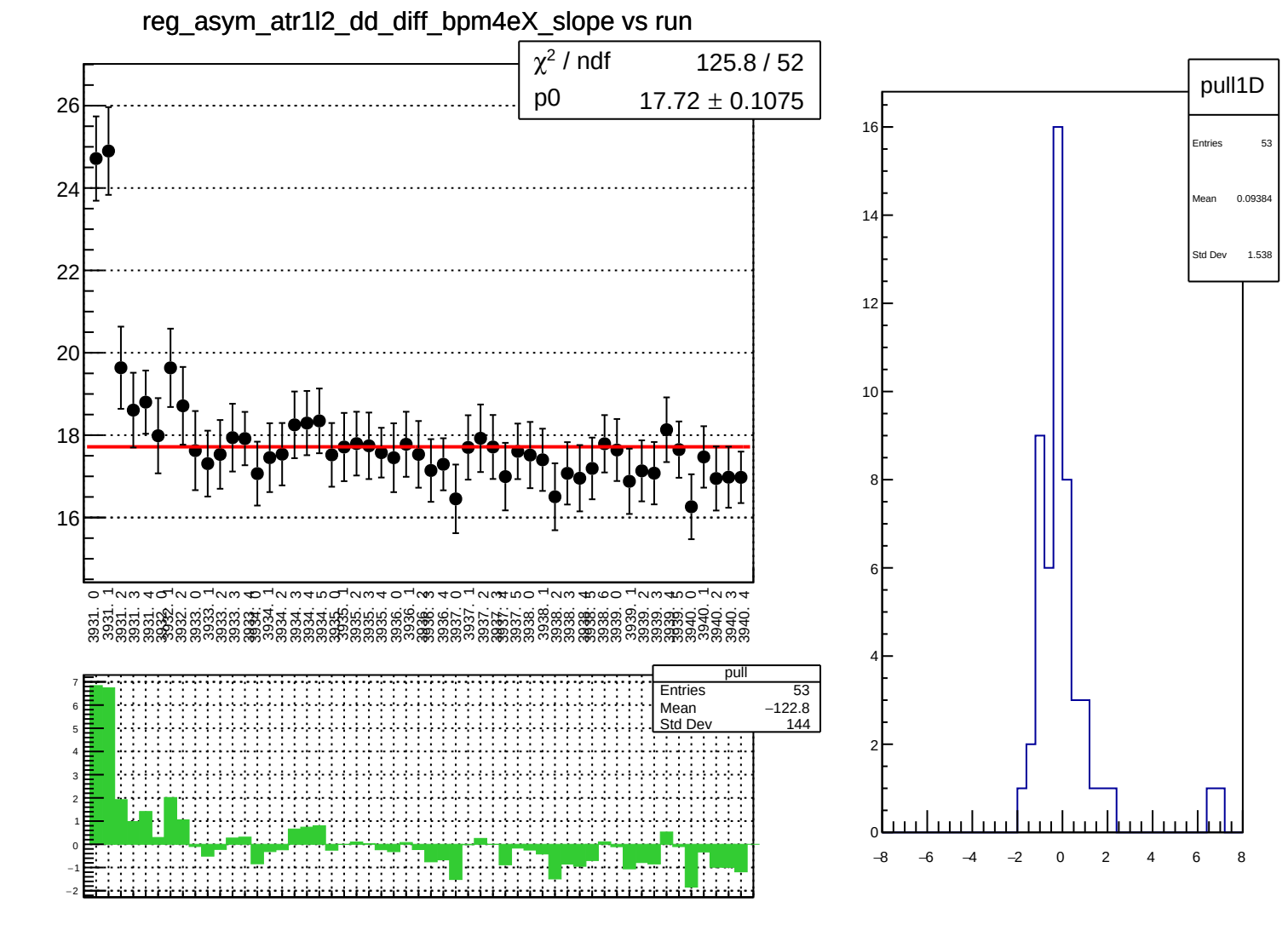

reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ² / ndf 126.7 / 52
p0 −266.6 ± 0.5195
−230
−240
−250
−260
−270
pull
Entries 53
Mean 193.5
Std Dev 175.5
pull1D
Entries 53
Mean −0.2256
Std Dev 0.7949

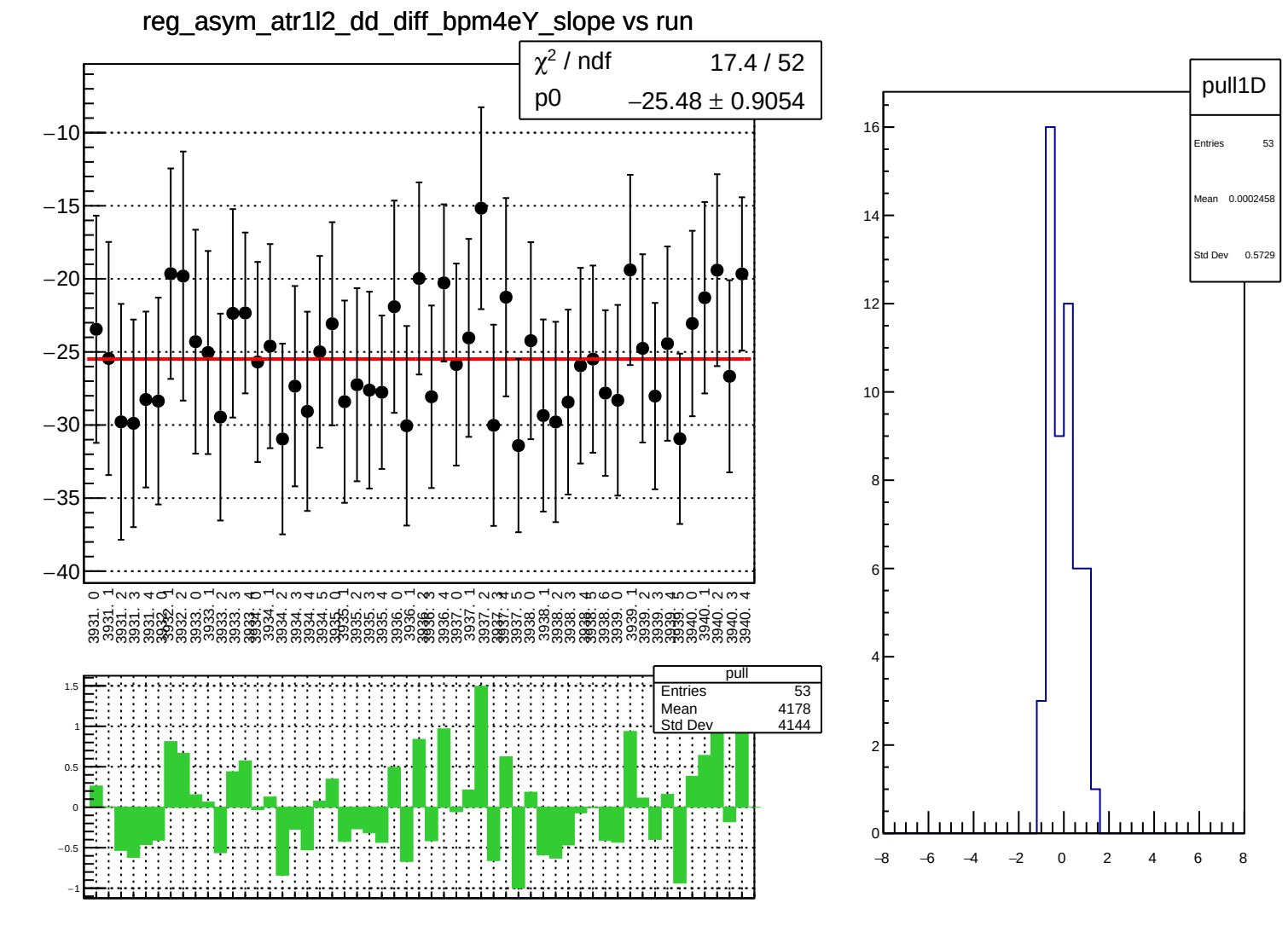

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 15.15 / 52
p0 −10.14 ± 0.6951
pull
Entries 53
Mean −216
Std Dev 239.8

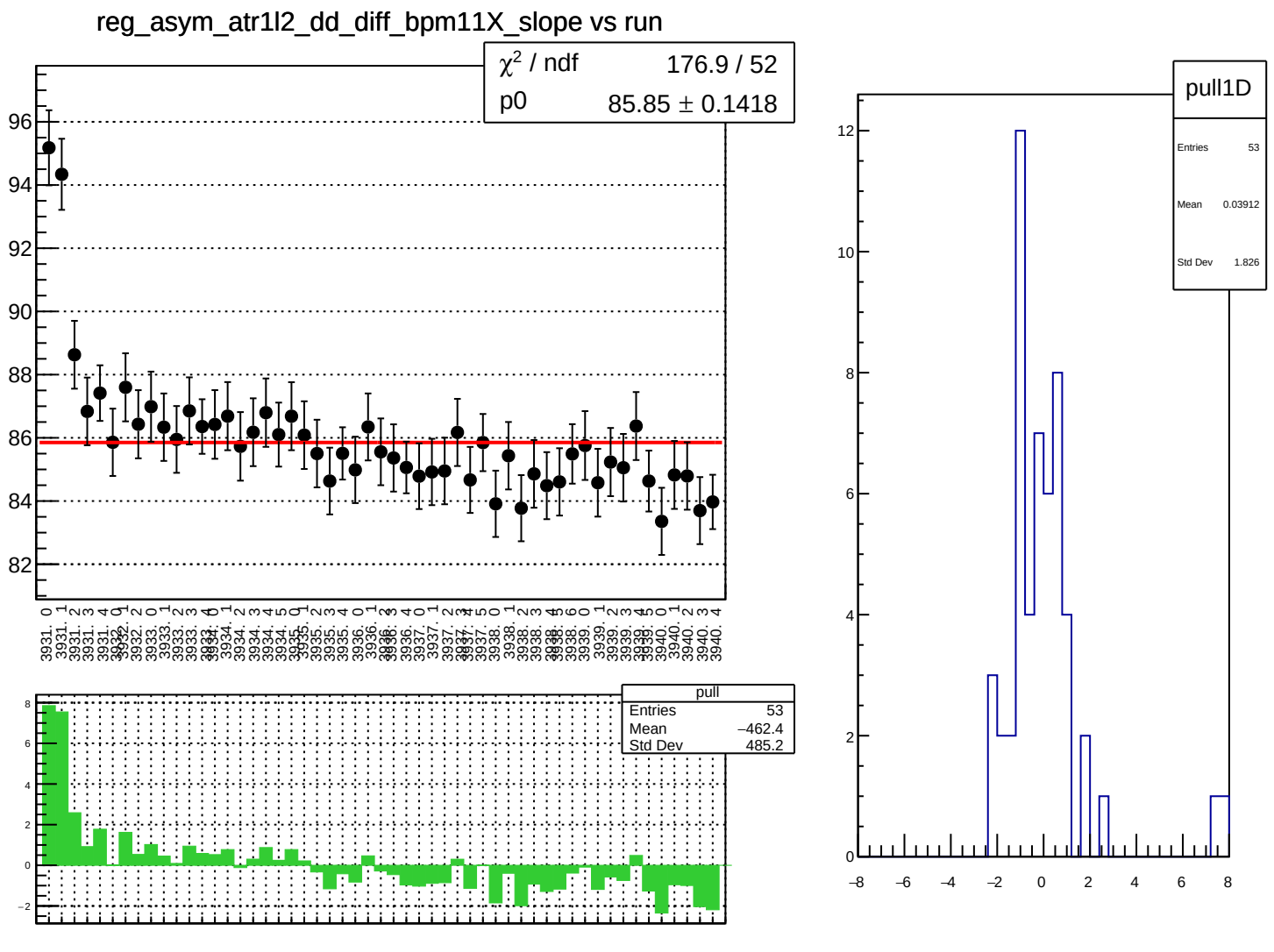

pull1D
Entries 53
Mean 0.01426
Std Dev 0.5344

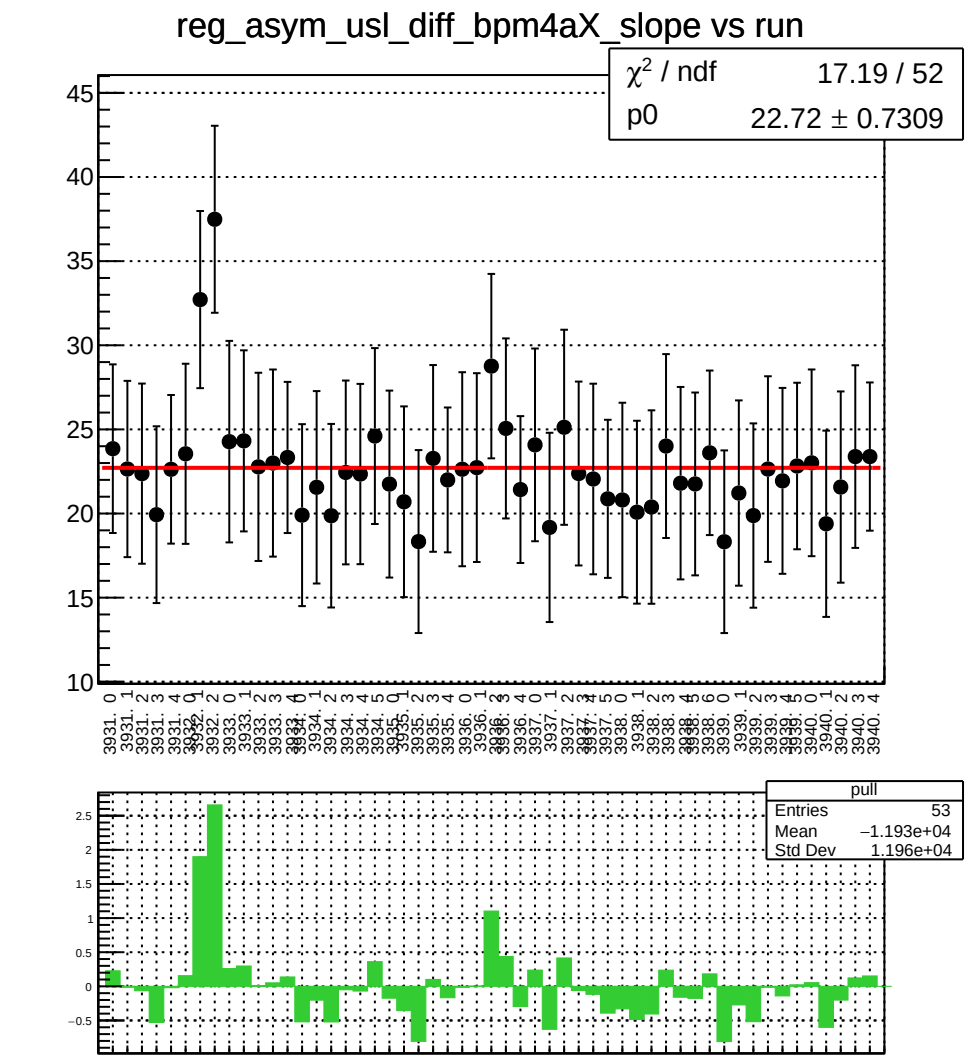

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.71 / 52
p0 −1.61 ± 0.5349
pull
Entries 53
Mean 4033
Std Dev 3999

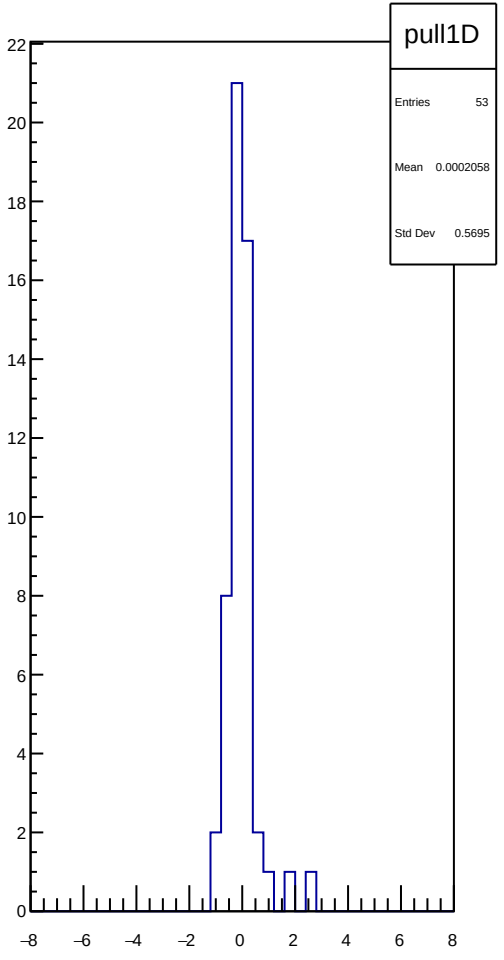

pull1D
Entries 53
Mean −0.0002981
Std Dev 0.5445

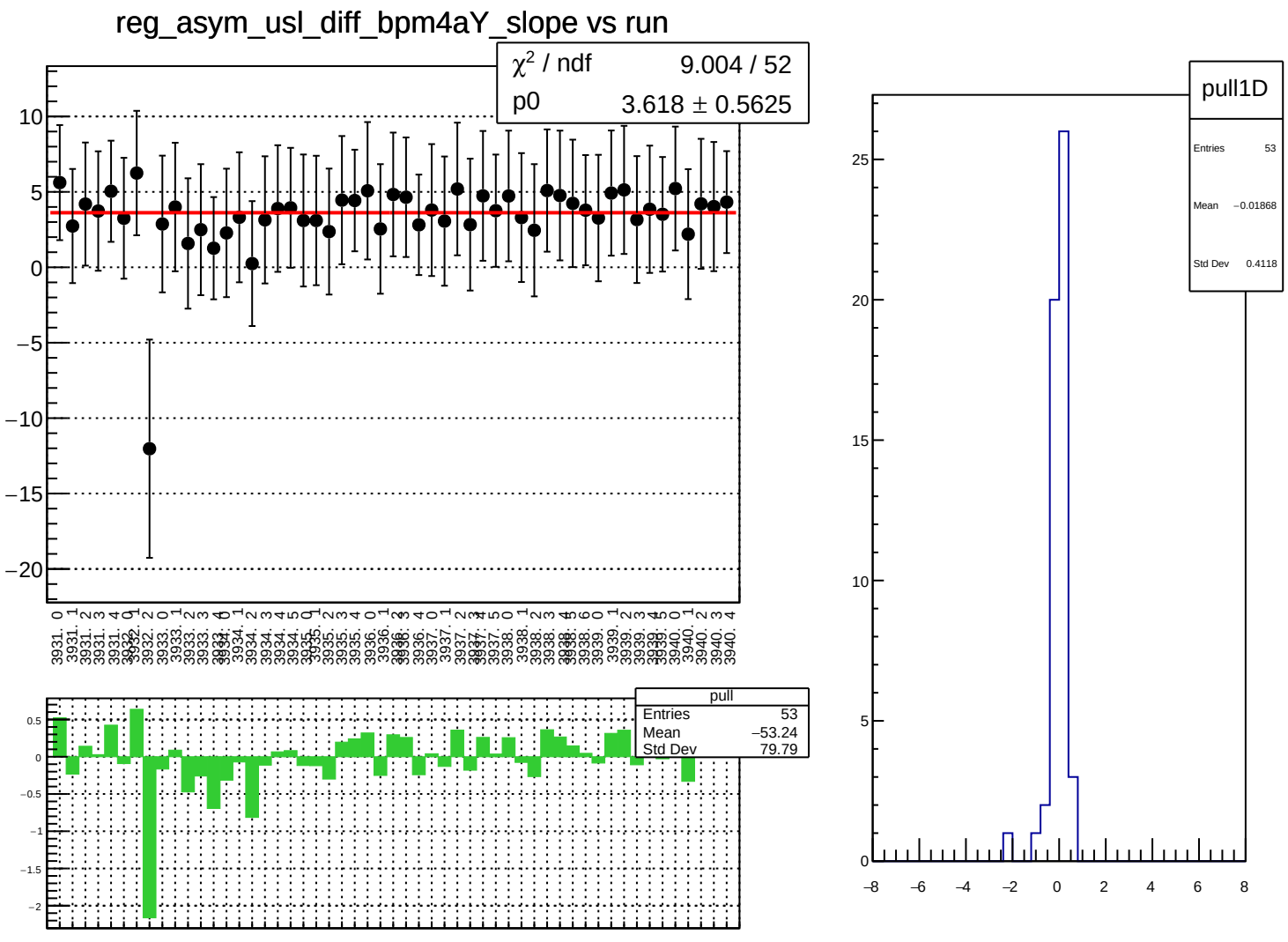

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 125.8 / 52
p0 17.72 ± 0.1075
pull
Entries 53
Mean −122.8
Std Dev 144
pull1D
Entries 53
Mean 0.09384
Std Dev 1.538

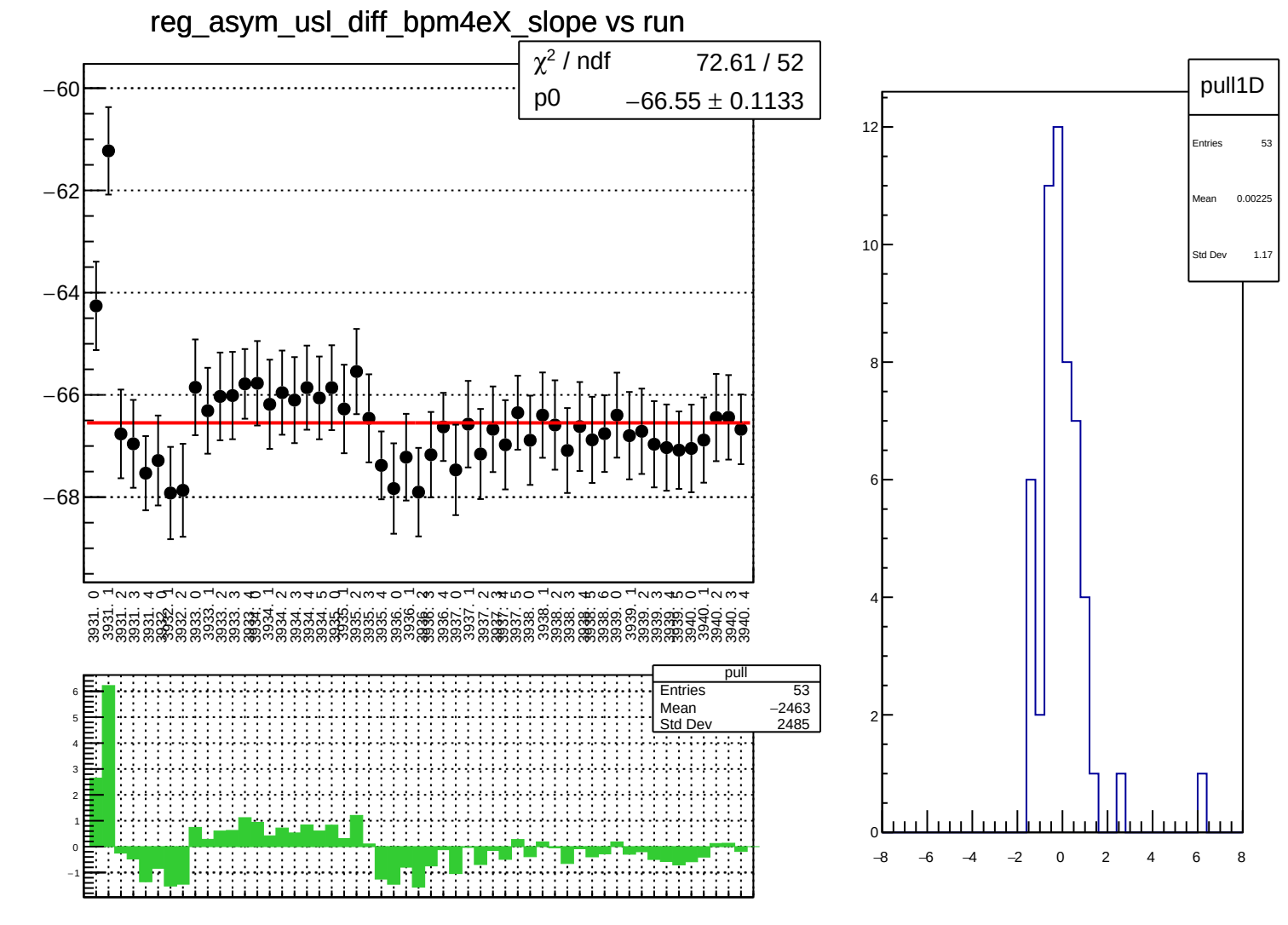

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.4 / 52
p0 −25.48 ± 0.9054
pull
Entries 53
Mean 4178
Std Dev 4144
pull1D
Entries 53
Mean 0.0002458
Std Dev 0.5729

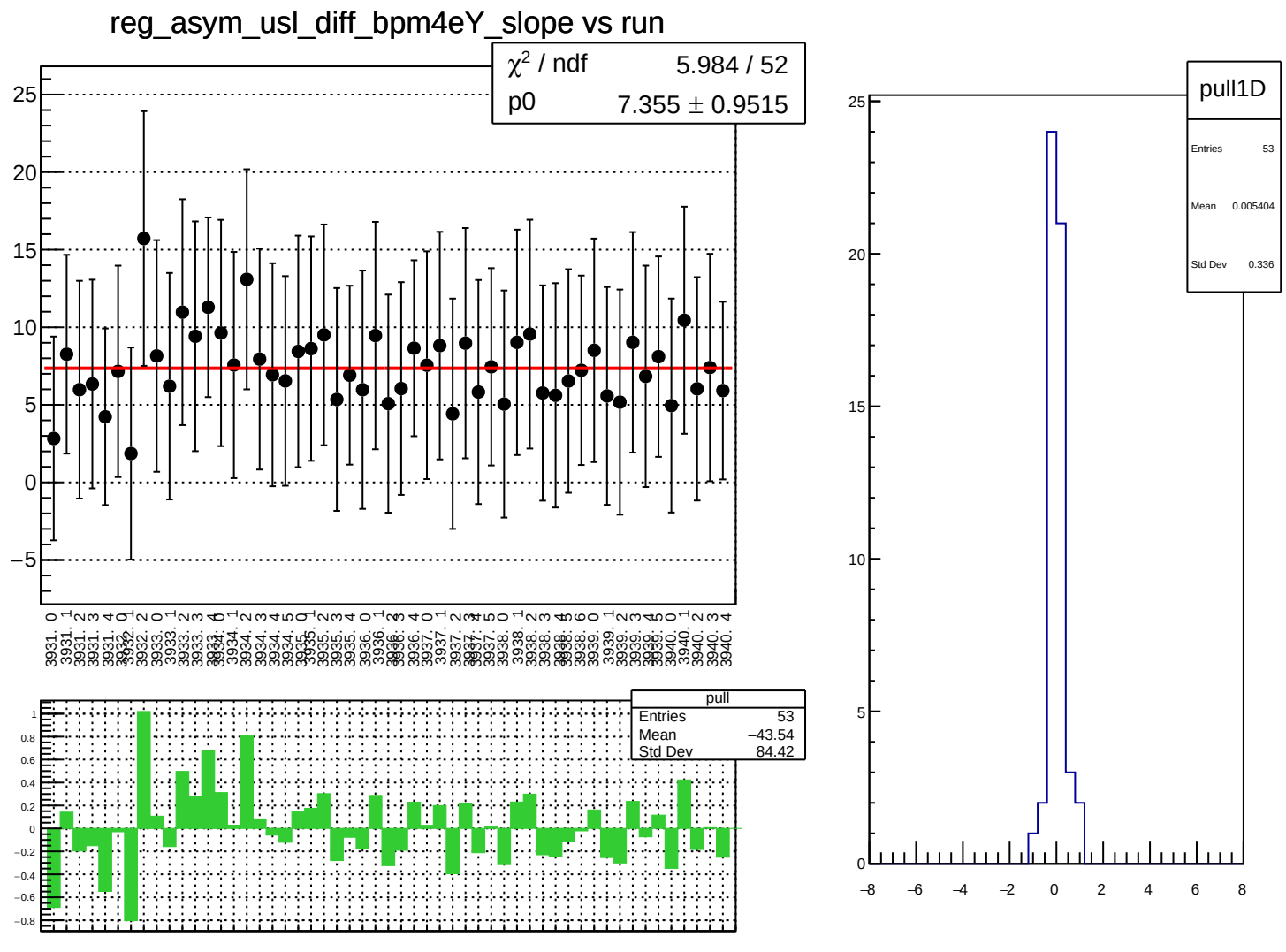

reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ² / ndf 176.9 / 52
p0 85.85 ± 0.1418
pull
Entries 53
Mean −462.4
Std Dev 485.2
pull1D
Entries 53
Mean 0.03912
Std Dev 1.826

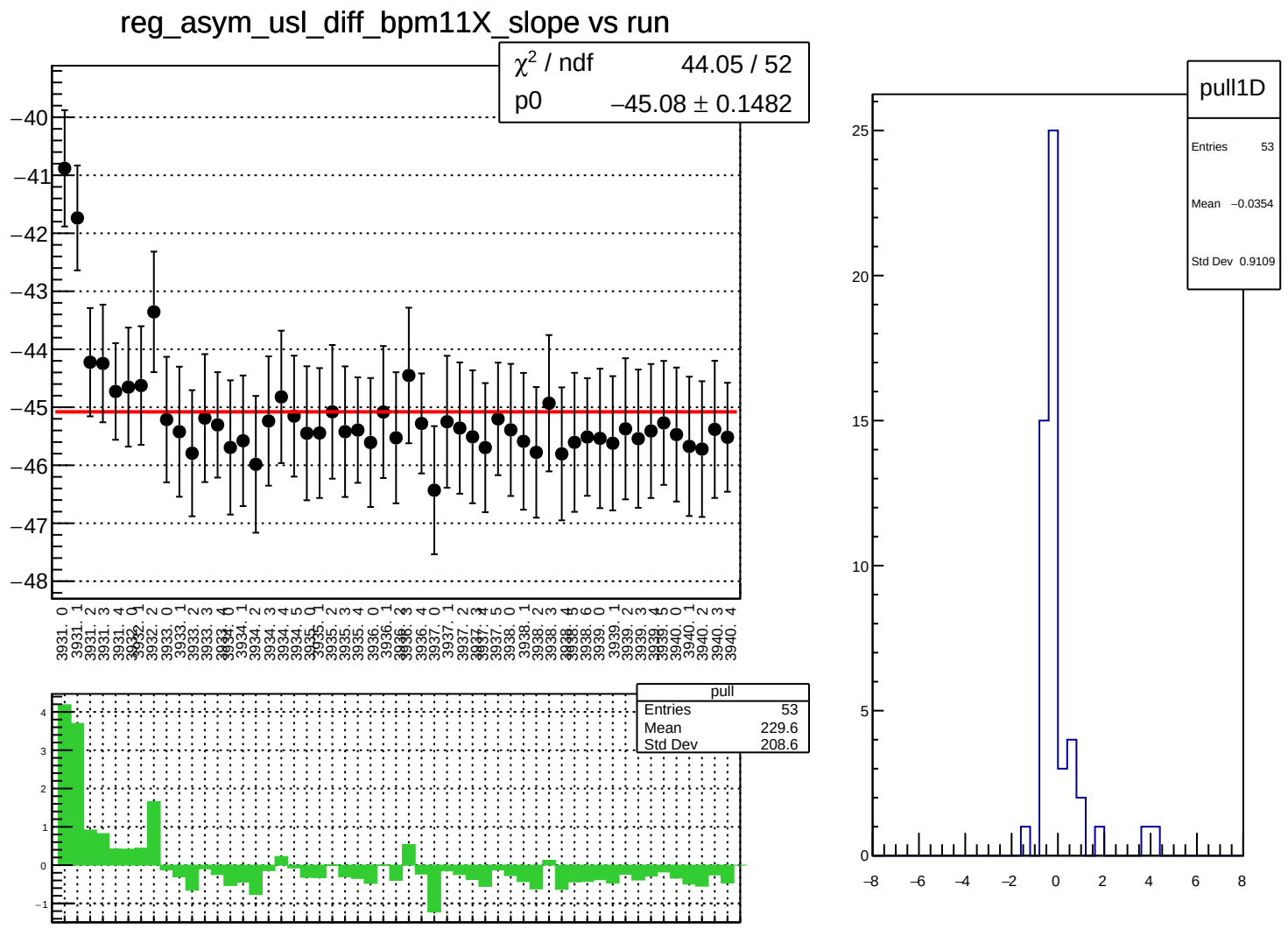

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 17.19 / 52
p0 22.72 ± 0.7309
pull
Entries 53
Mean −1.193e+04
Std Dev 1.196e+04

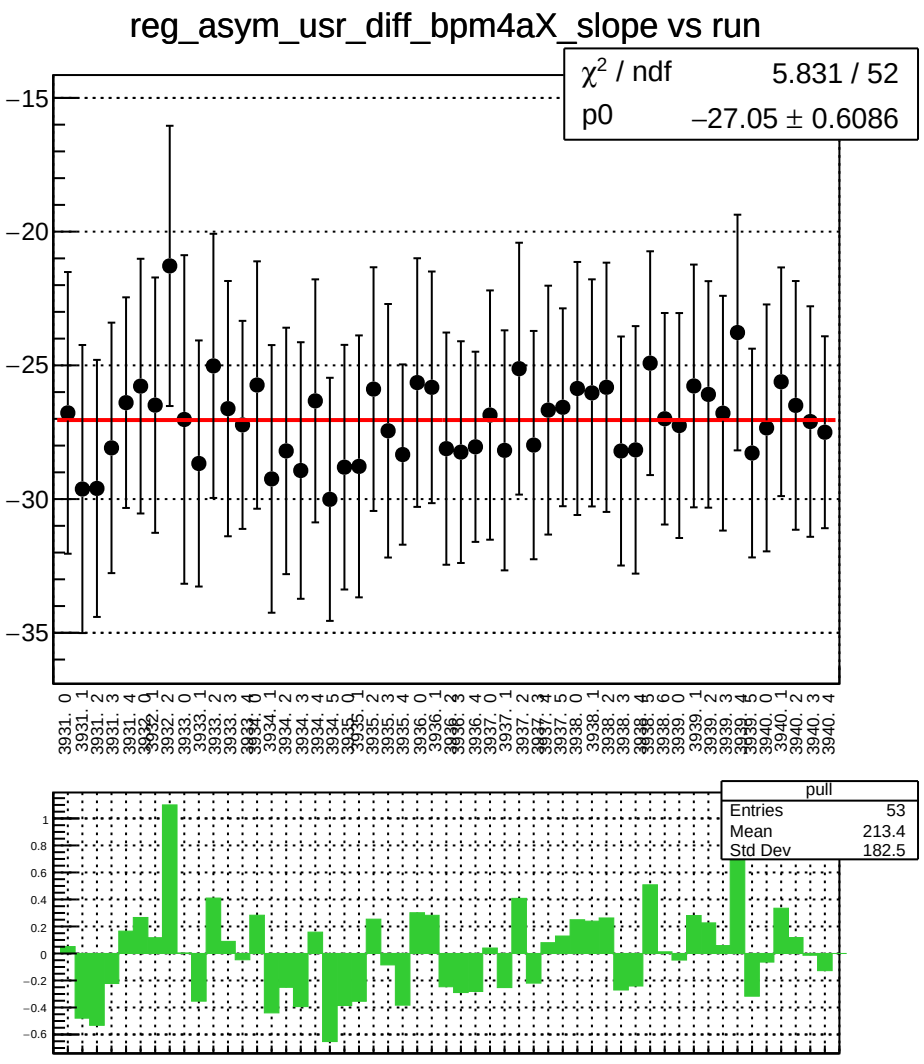

pull1D
Entries 53
Mean 0.0002058
Std Dev 0.5695

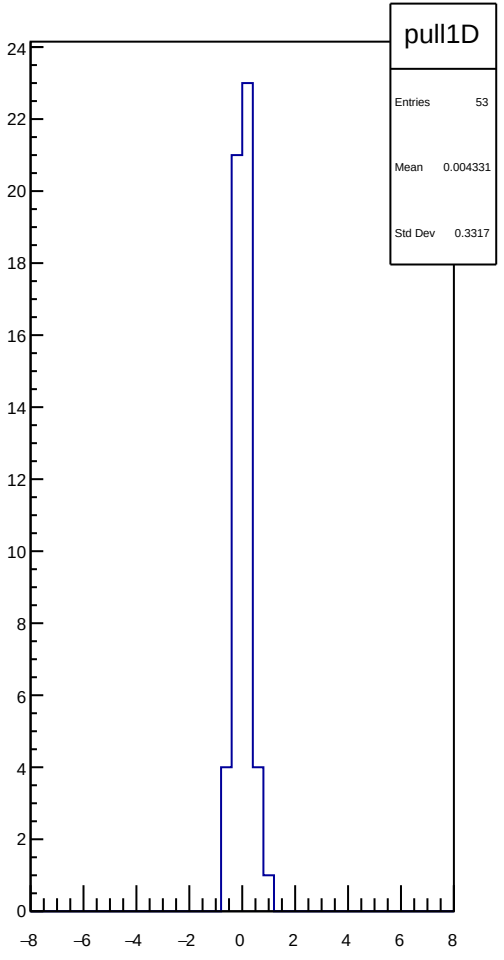

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 9.004 / 52
p0 3.618 ± 0.5625
pull
Entries 53
Mean −53.24
Std Dev 79.79
pull1D
Entries 53
Mean −0.01868
Std Dev 0.4118

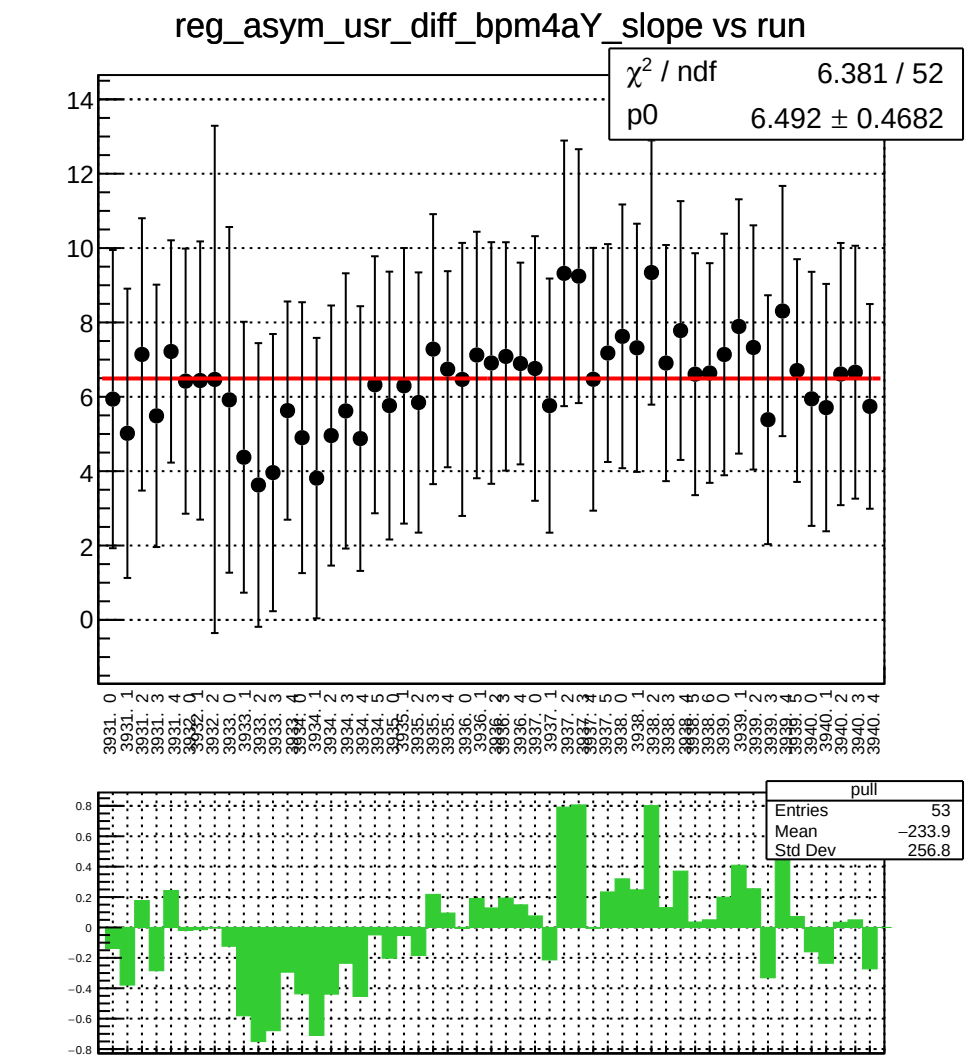

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 72.61 / 52
p0 −66.55 ± 0.1133
pull
Entries 53
Mean −2463
Std Dev 2485
pull1D
Entries 53
Mean 0.00225
Std Dev 1.17

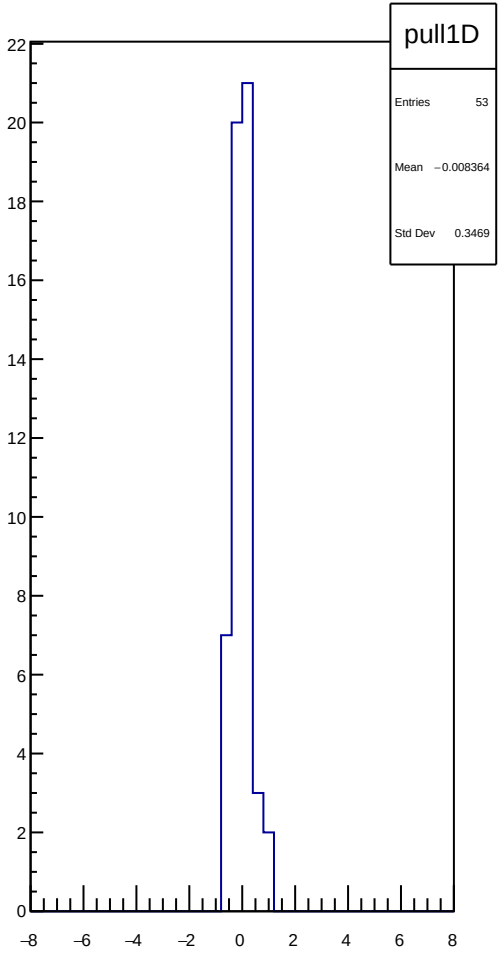

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 5.984 / 52
p0 7.355 ± 0.9515
pull
Entries 53
Mean −43.54
Std Dev 84.42
pull1D
Entries 53
Mean 0.005404
Std Dev 0.336

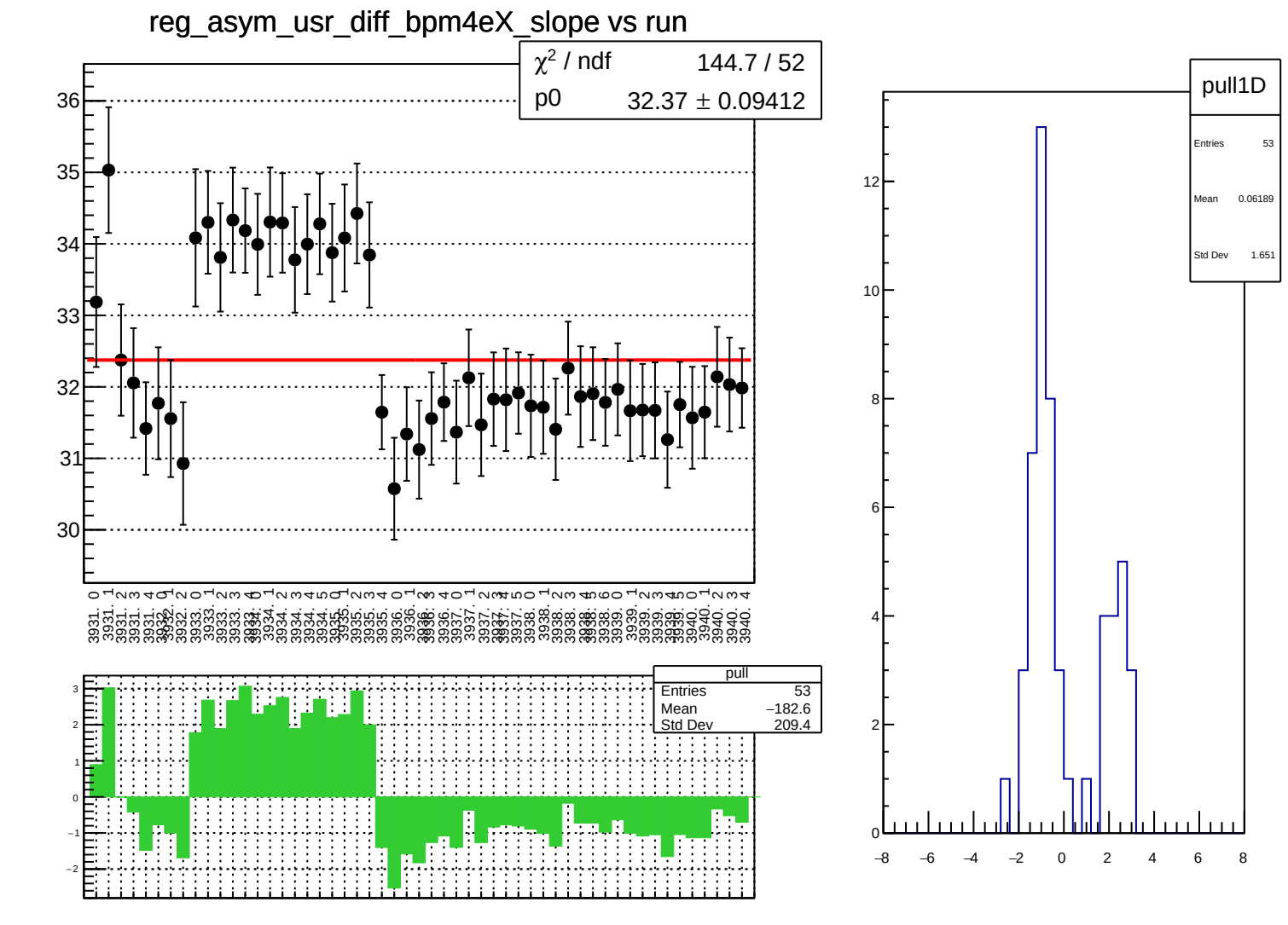

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 44.05 / 52
p0 −45.08 ± 0.1482
pull
Entries 53
Mean 229.6
Std Dev 208.6
pull1D
Entries 53
Mean −0.0354
Std Dev 0.9109

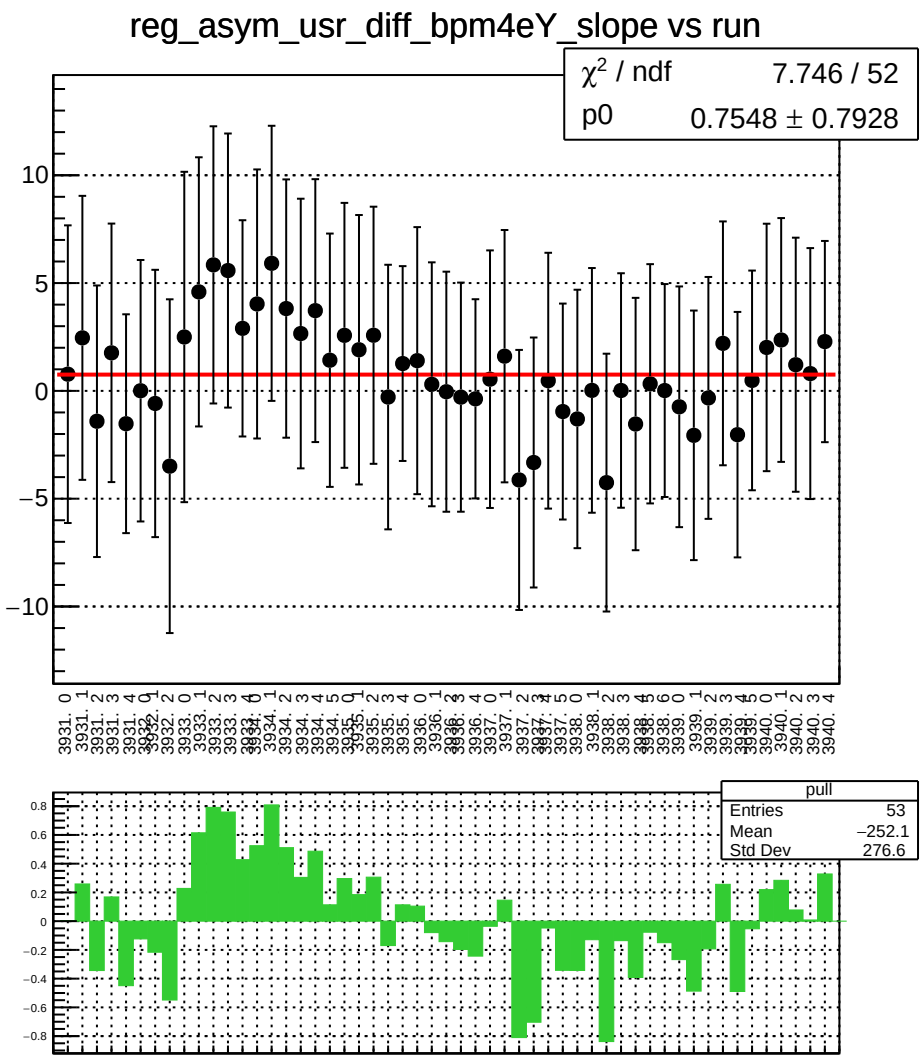

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 5.831 / 52
p0 −27.05 ± 0.6086
pull
Entries 53
Mean 213.4
Std Dev 182.5

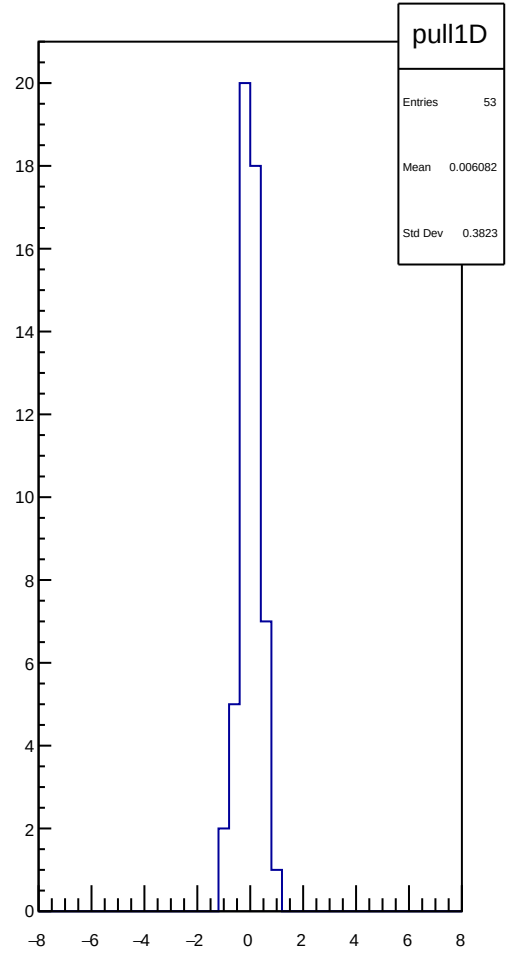

pull1D
Entries 53
Mean 0.004331
Std Dev 0.3317

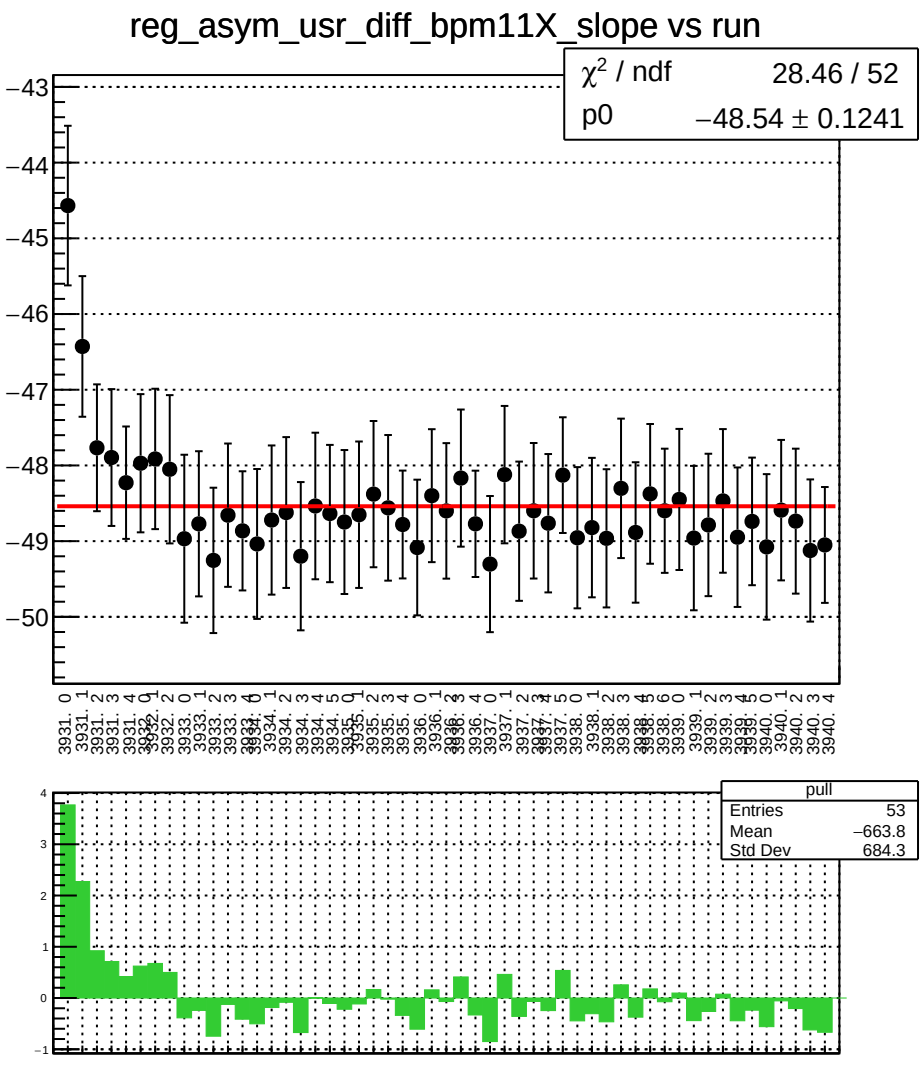

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 6.381 / 52
p0 6.492 ± 0.4682
pull
Entries 53
Mean −233.9
Std Dev 256.8

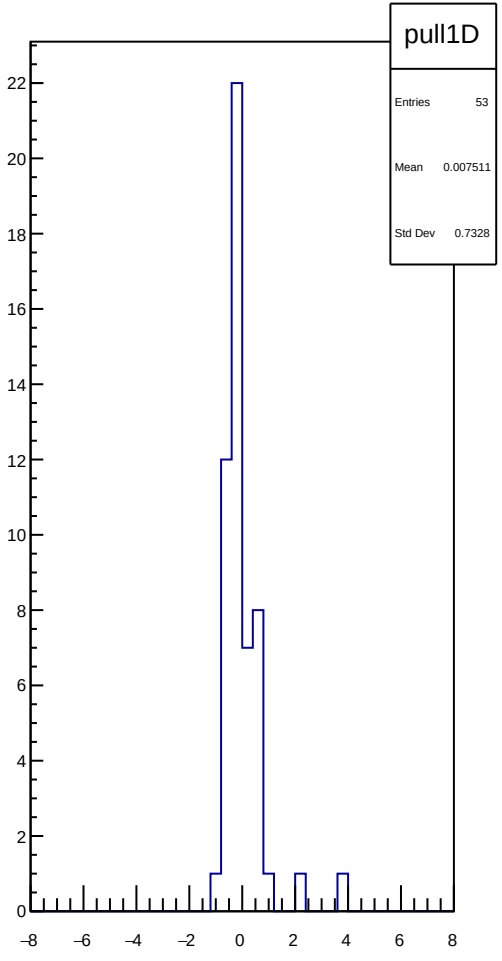

pull1D
Entries 53
Mean −0.008364
Std Dev 0.3469

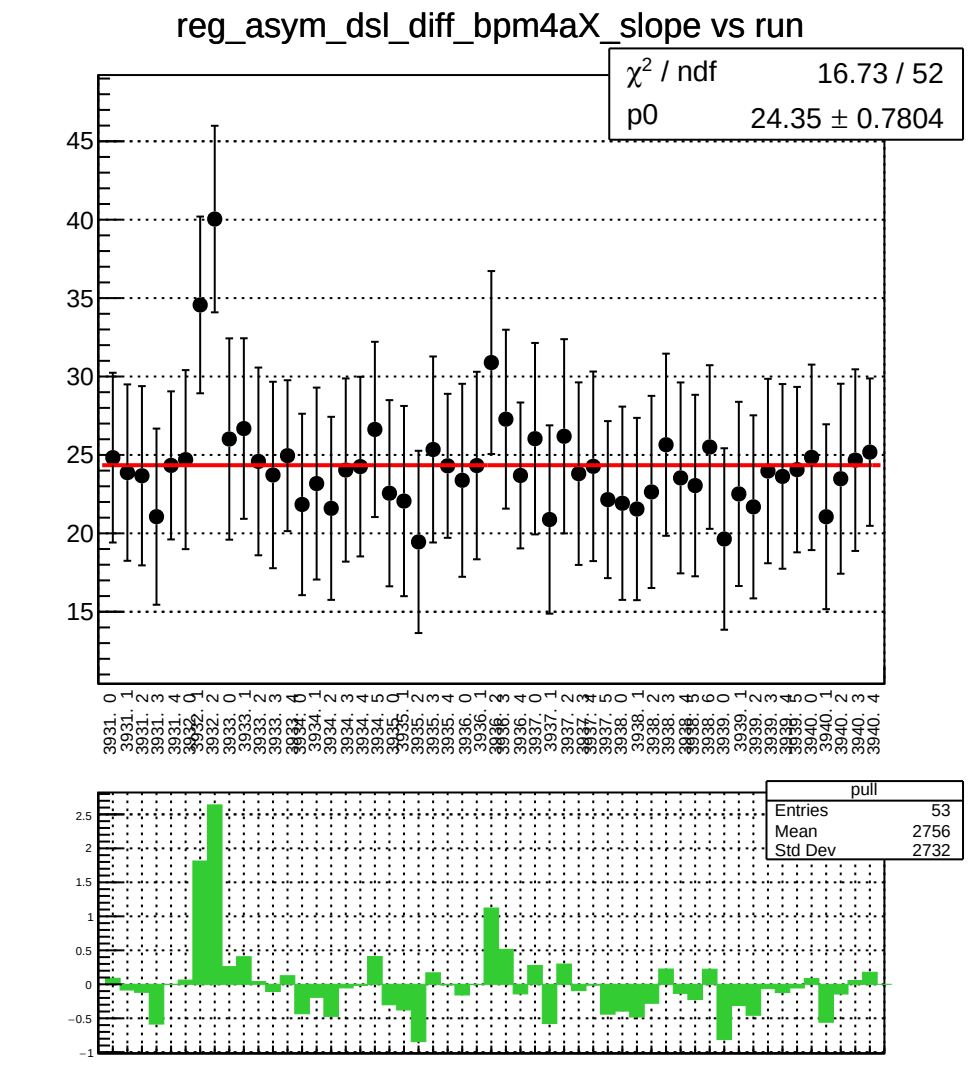

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 144.7 / 52
p0 32.37 ± 0.09412
pull
Entries 53
Mean −182.6
Std Dev 209.4
pull1D
Entries 53
Mean 0.06189
Std Dev 1.651

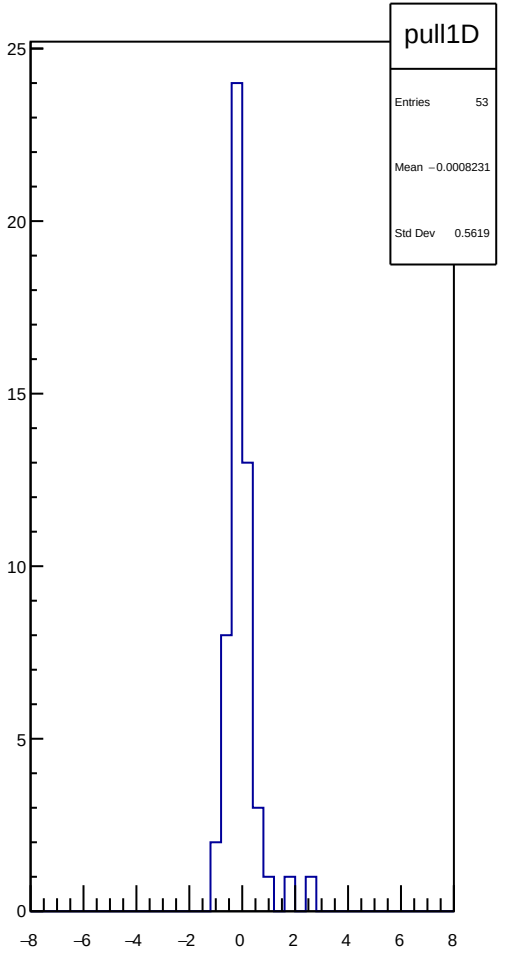

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 7.746 / 52
p0 0.7548 ± 0.7928
pull
Entries 53
Mean −252.1
Std Dev 276.6

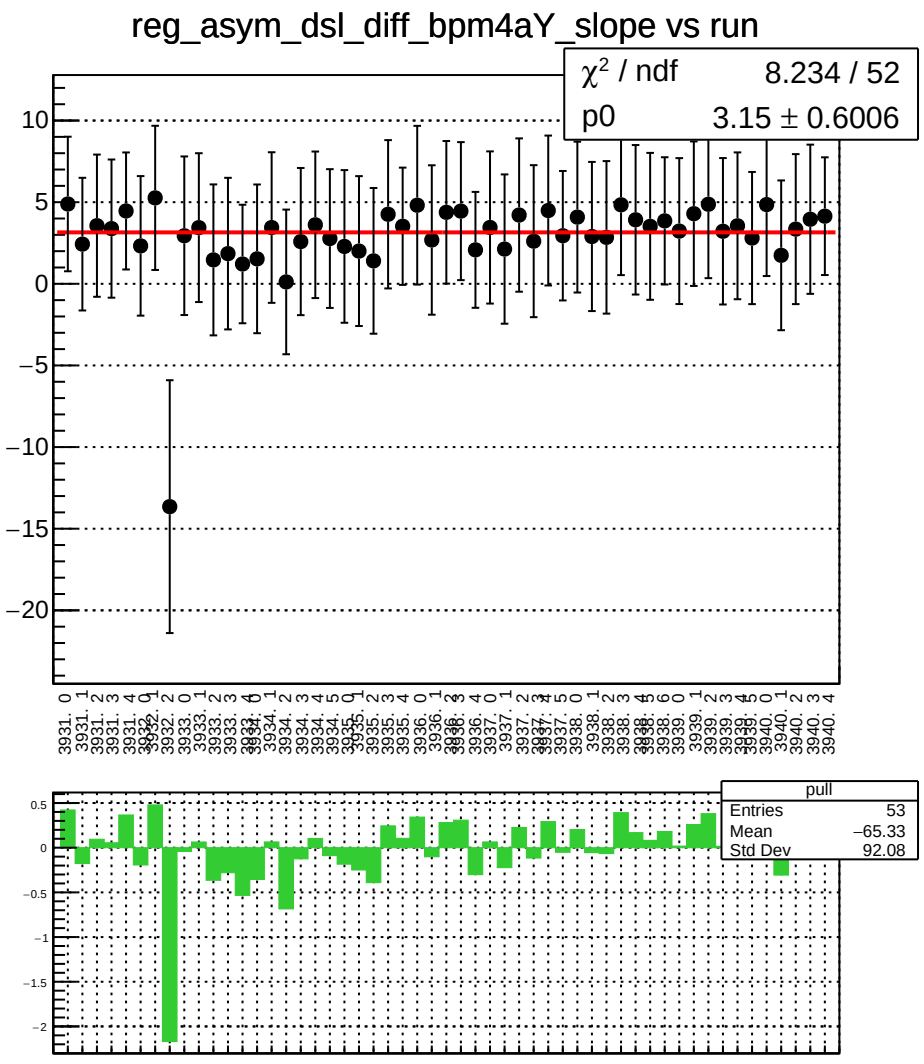

pull1D
Entries 53
Mean 0.006082
Std Dev 0.3823

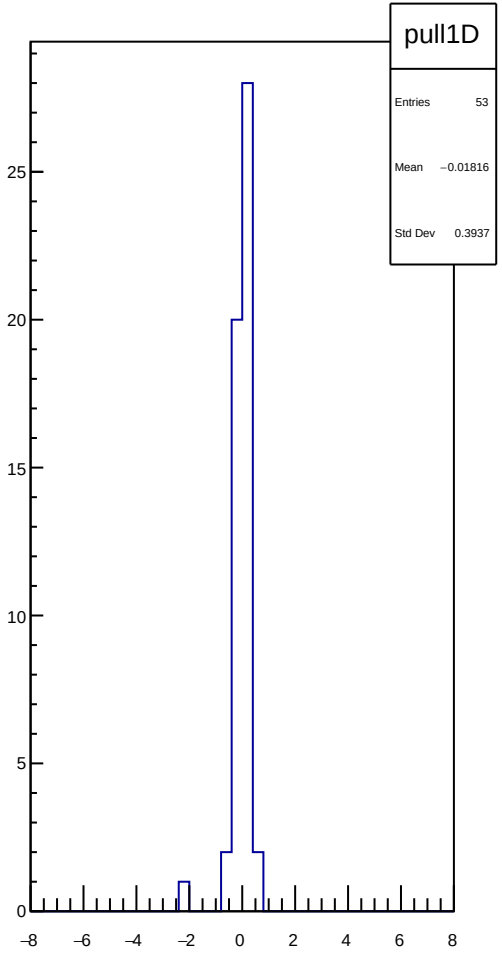

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 28.46 / 52
p0 −48.54 ± 0.1241
pull
Entries 53
Mean −663.8
Std Dev 684.3

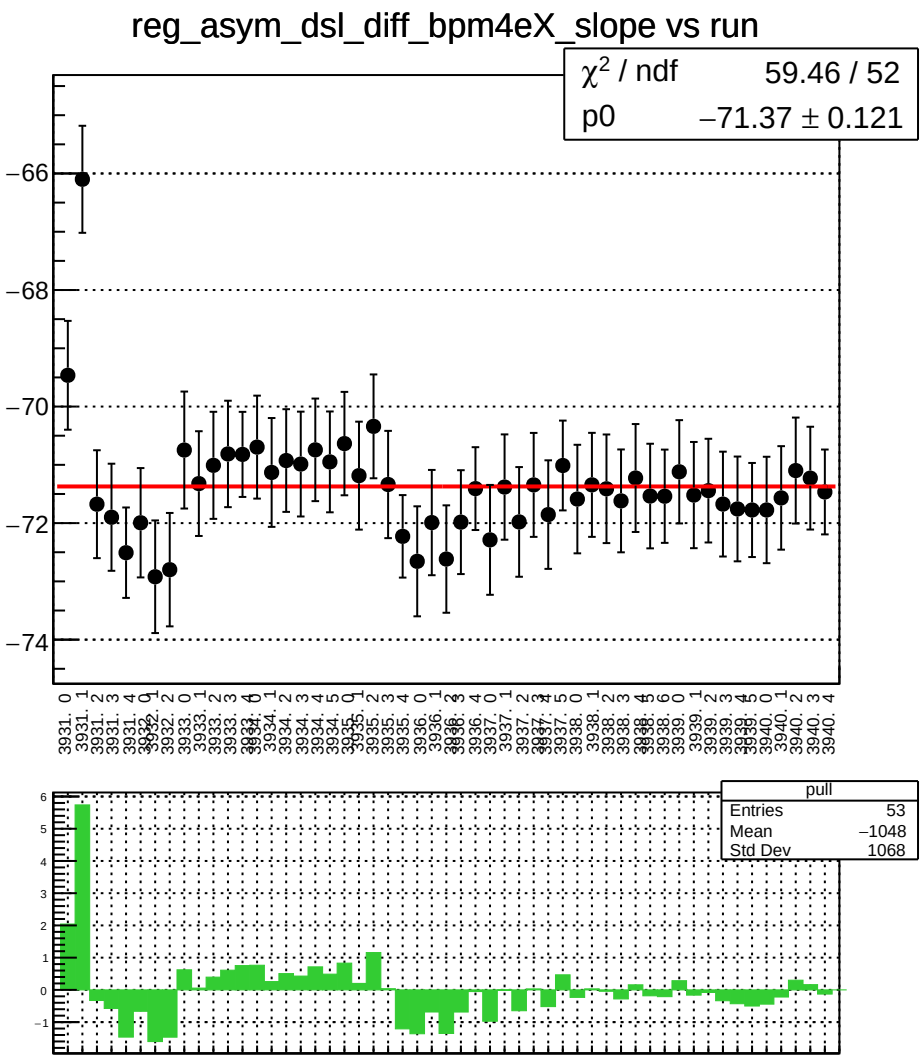

pull1D
Entries 53
Mean 0.007511
Std Dev 0.7328

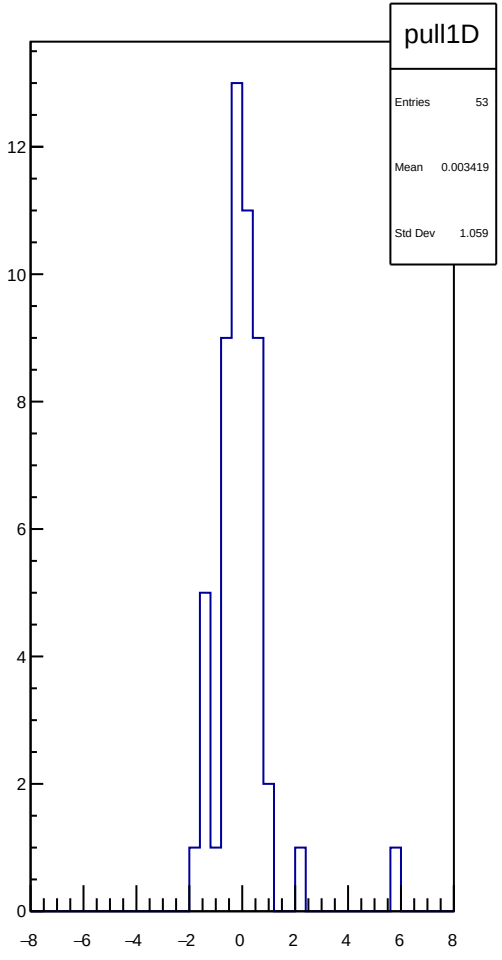

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 16.73 / 52
p0 24.35 ± 0.7804
pull
Entries 53
Mean 2756
Std Dev 2732

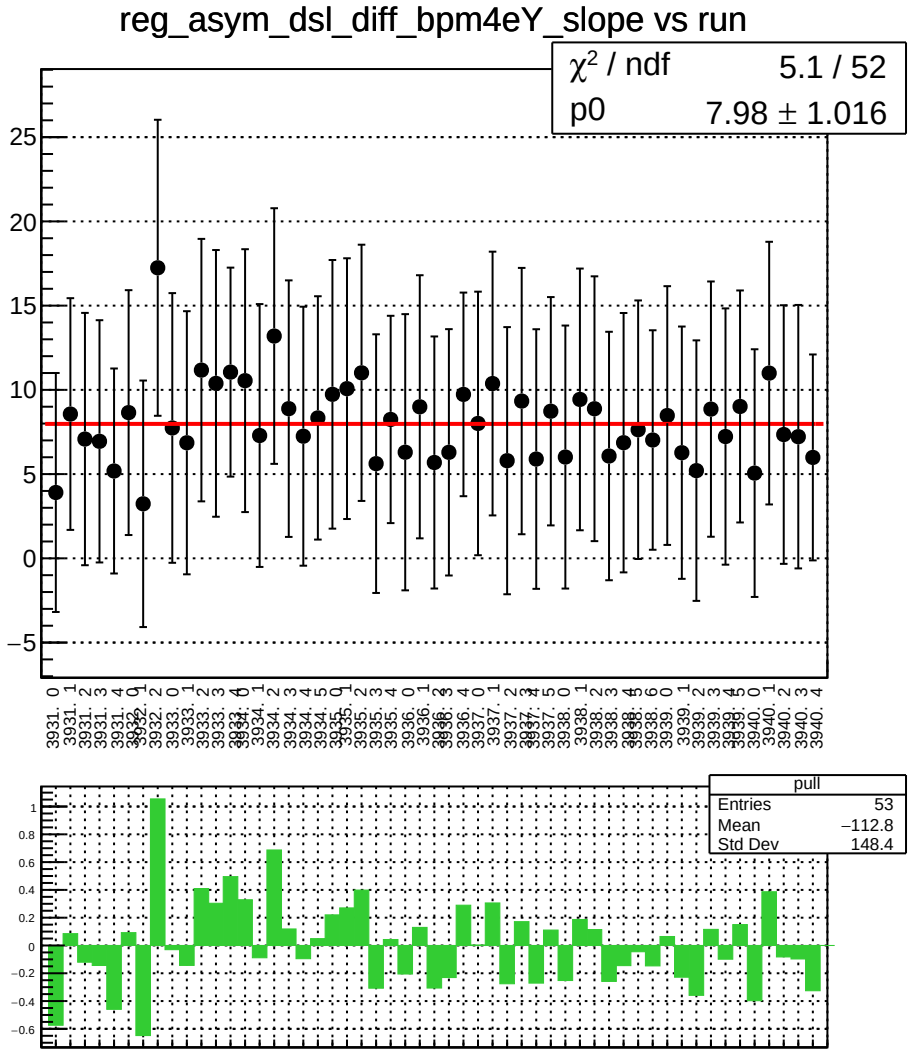

pull1D
Entries 53
Mean −0.0008231
Std Dev 0.5619

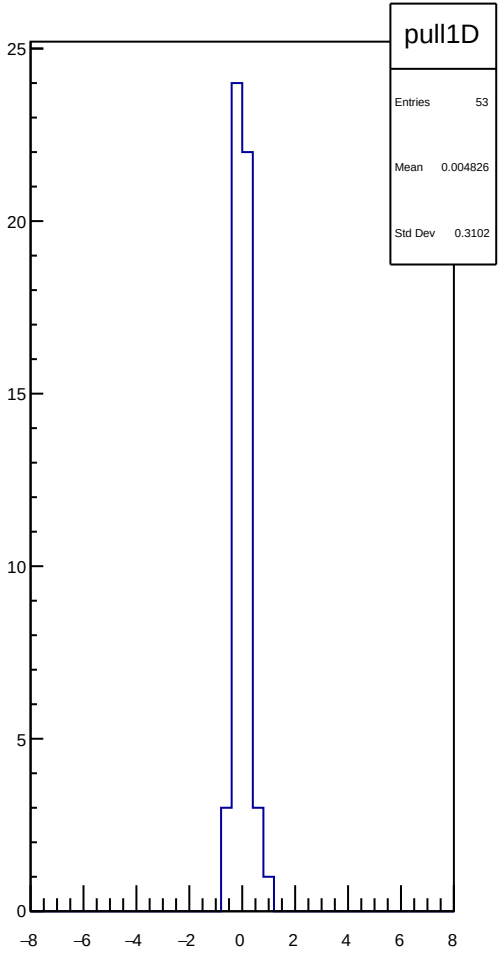

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 8.234 / 52
p0 3.15 ± 0.6006
pull
Entries 53
Mean −65.33
Std Dev 92.08

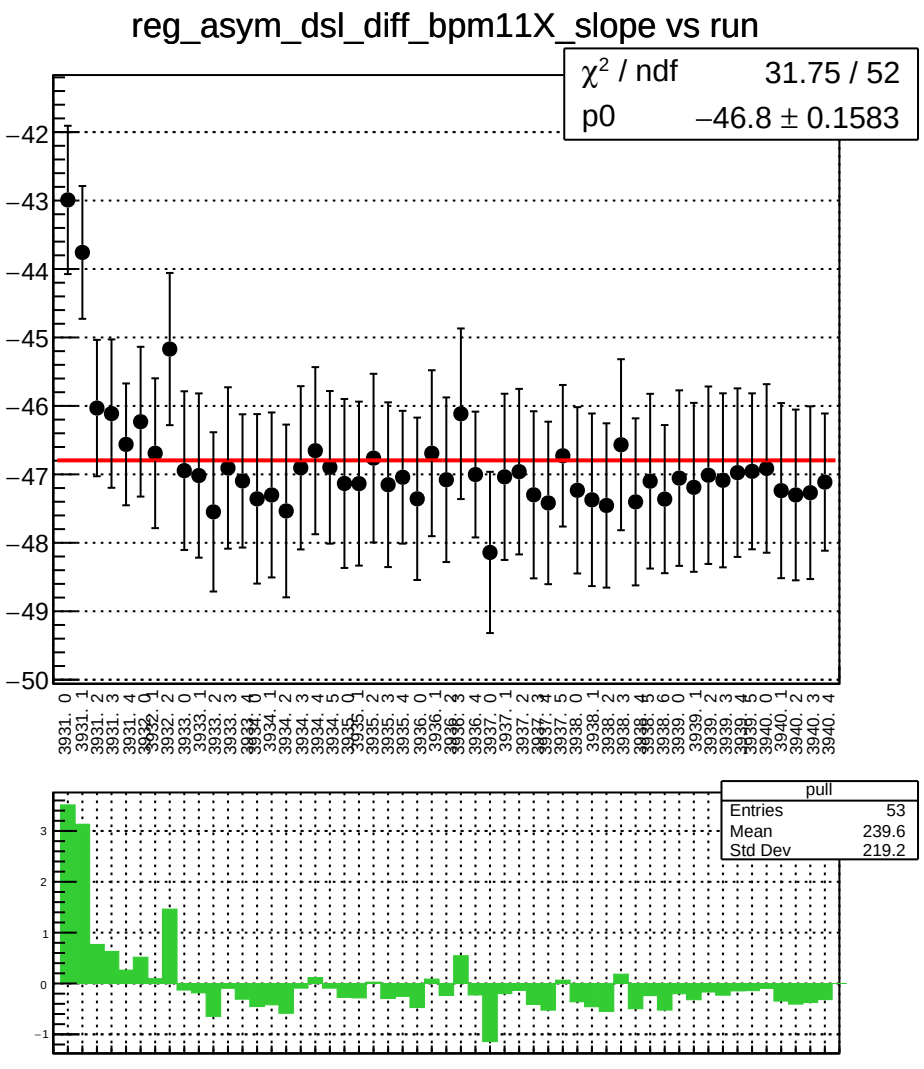

pull1D
Entries 53
Mean −0.01816
Std Dev 0.3937

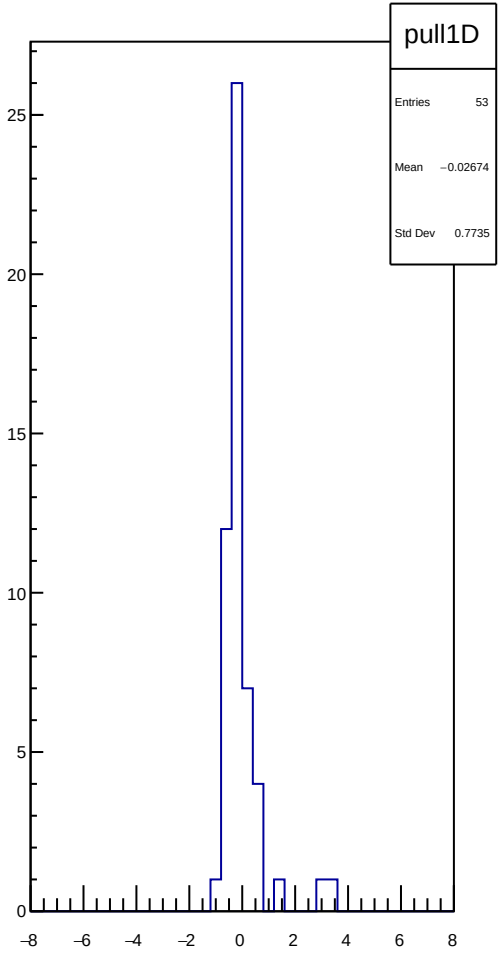

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 59.46 / 52
p0 −71.37 ± 0.121
−66
−68
−70
−72
−74
pull
Entries 53
Mean −1048
Std Dev 1068

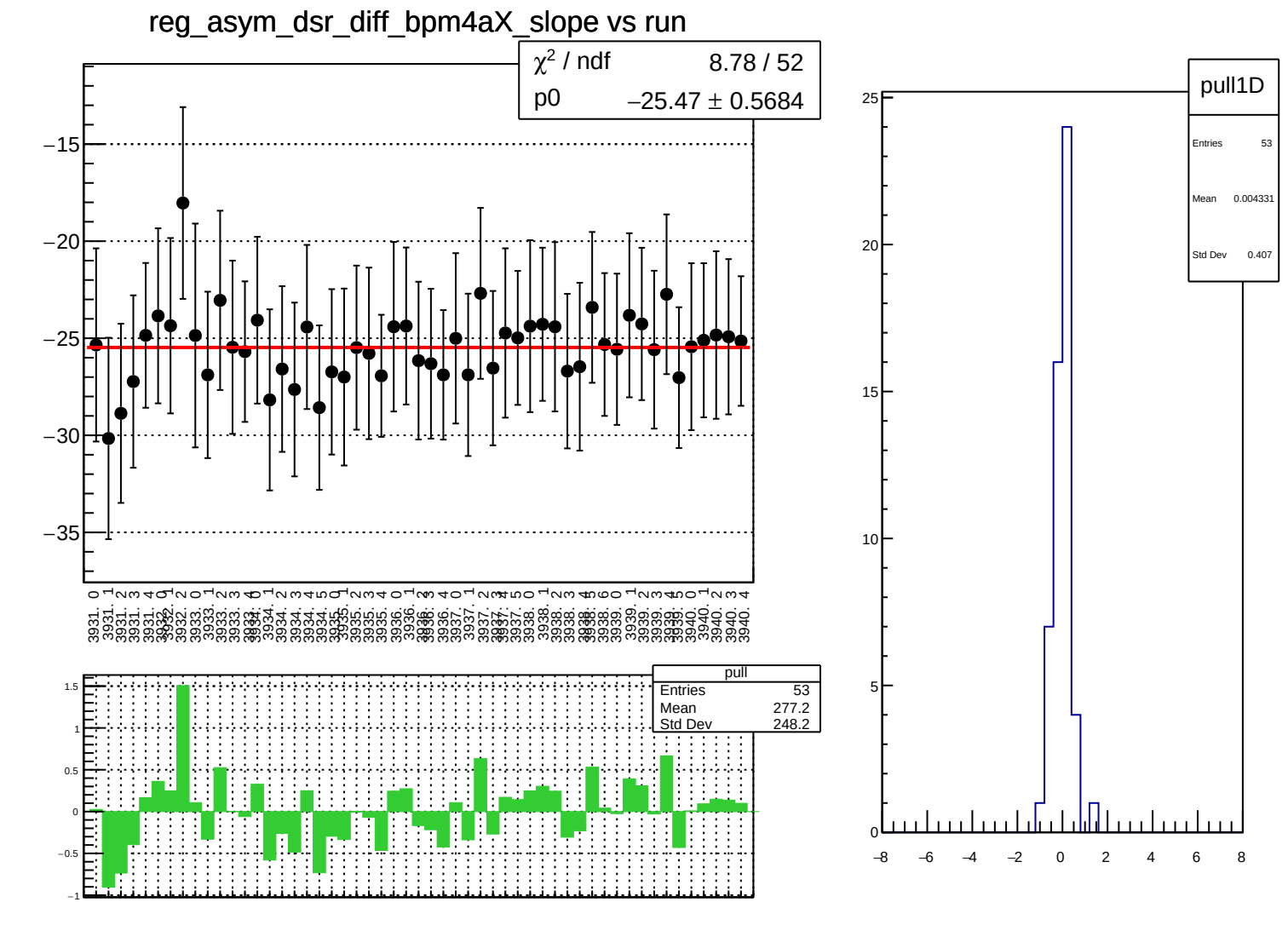

pull1D
Entries 53
Mean 0.003419
Std Dev 1.059

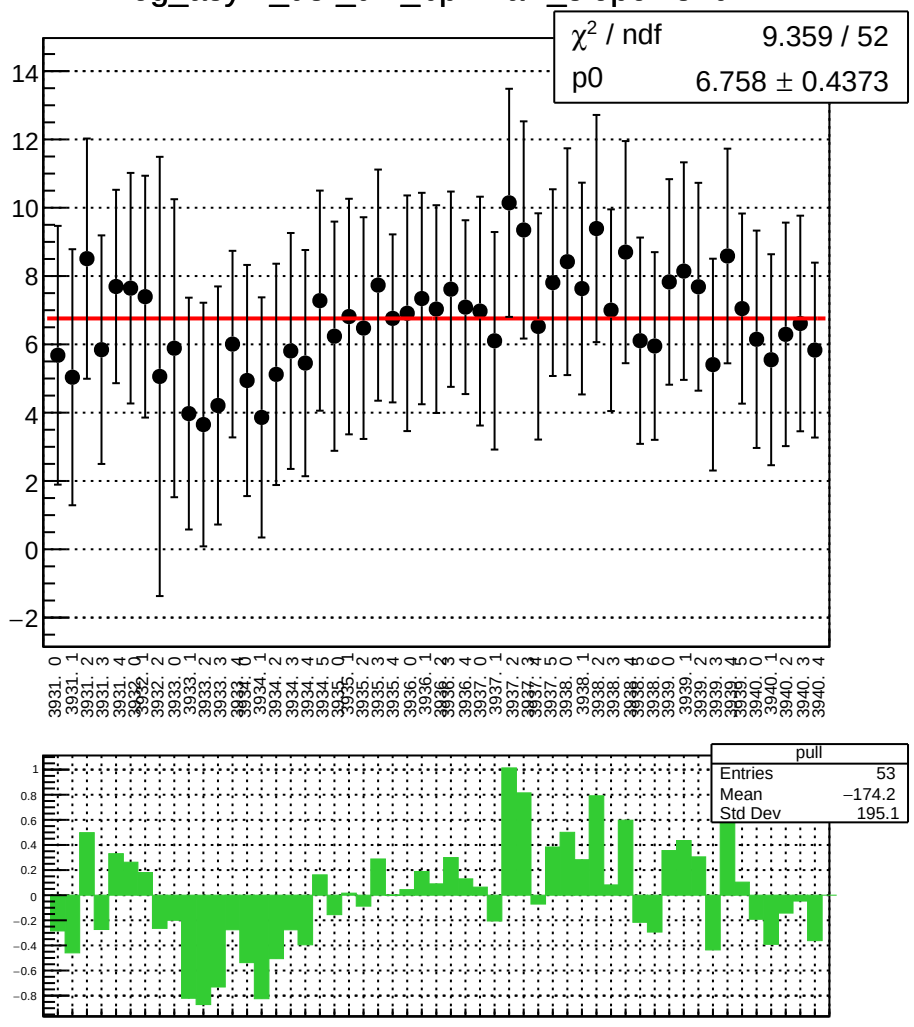

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 5.1 / 52
p0 7.98 ± 1.016
pull
Entries 53
Mean −112.8
Std Dev 148.4

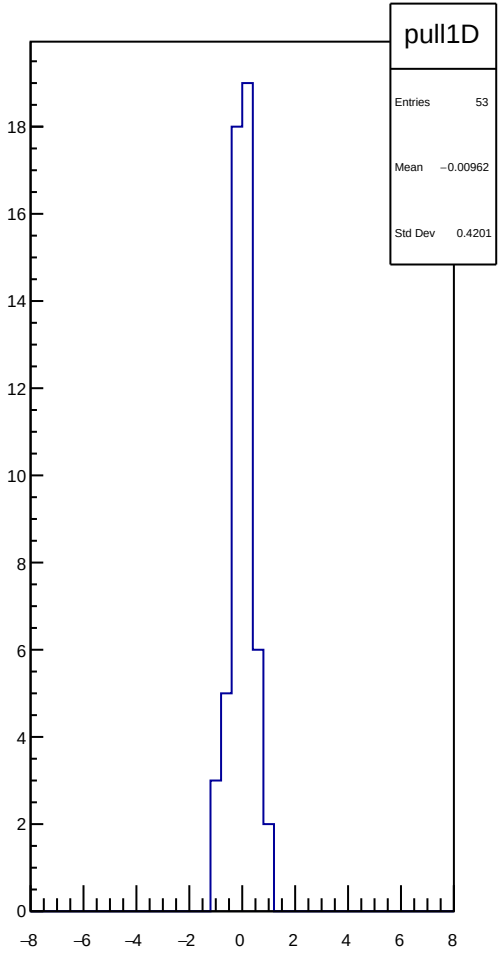

pull1D
Entries 53
Mean 0.004826
Std Dev 0.3102

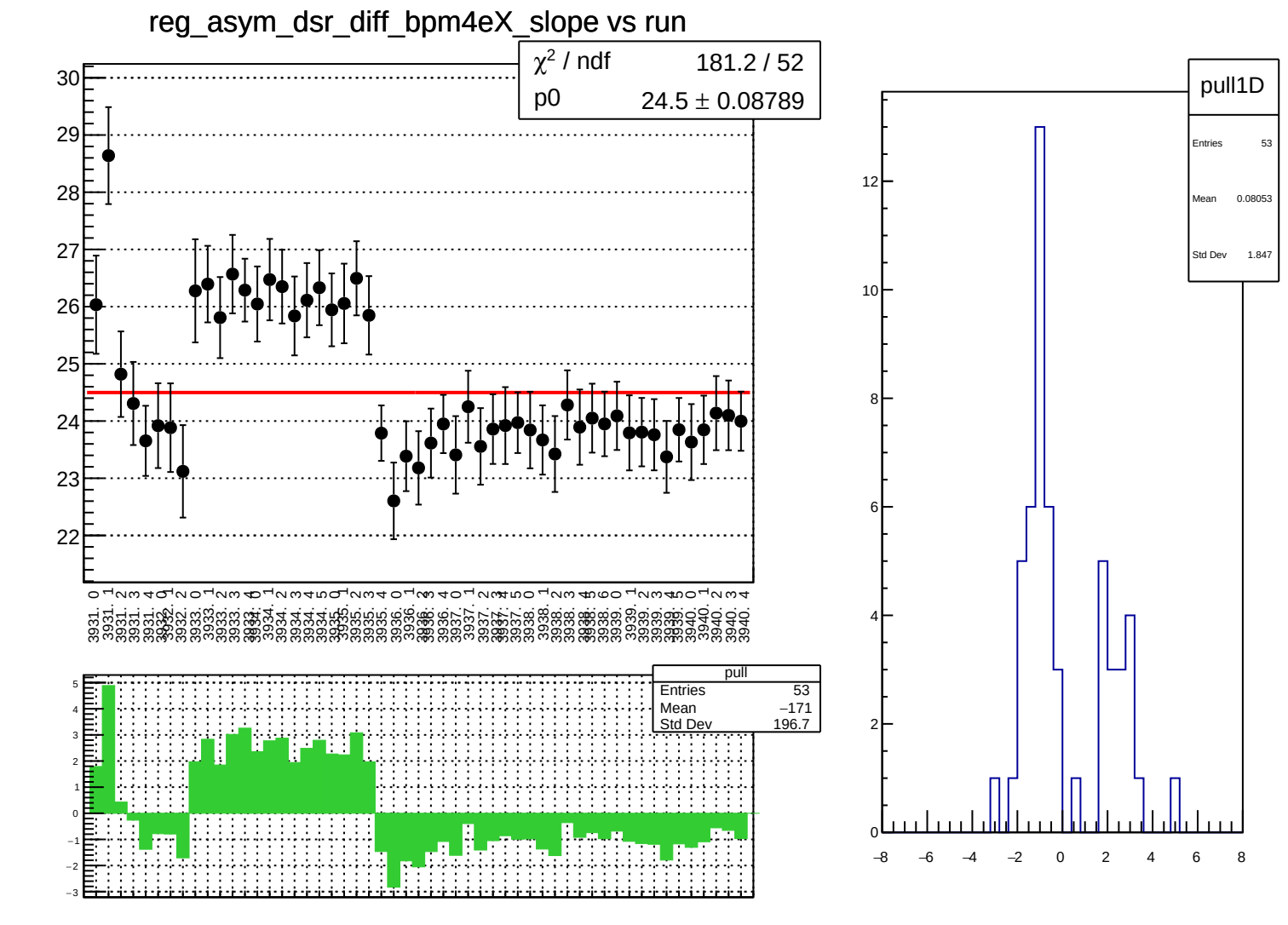

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 31.75 / 52
p0 −46.8 ± 0.1583
pull
Entries 53
Mean 239.6
Std Dev 219.2

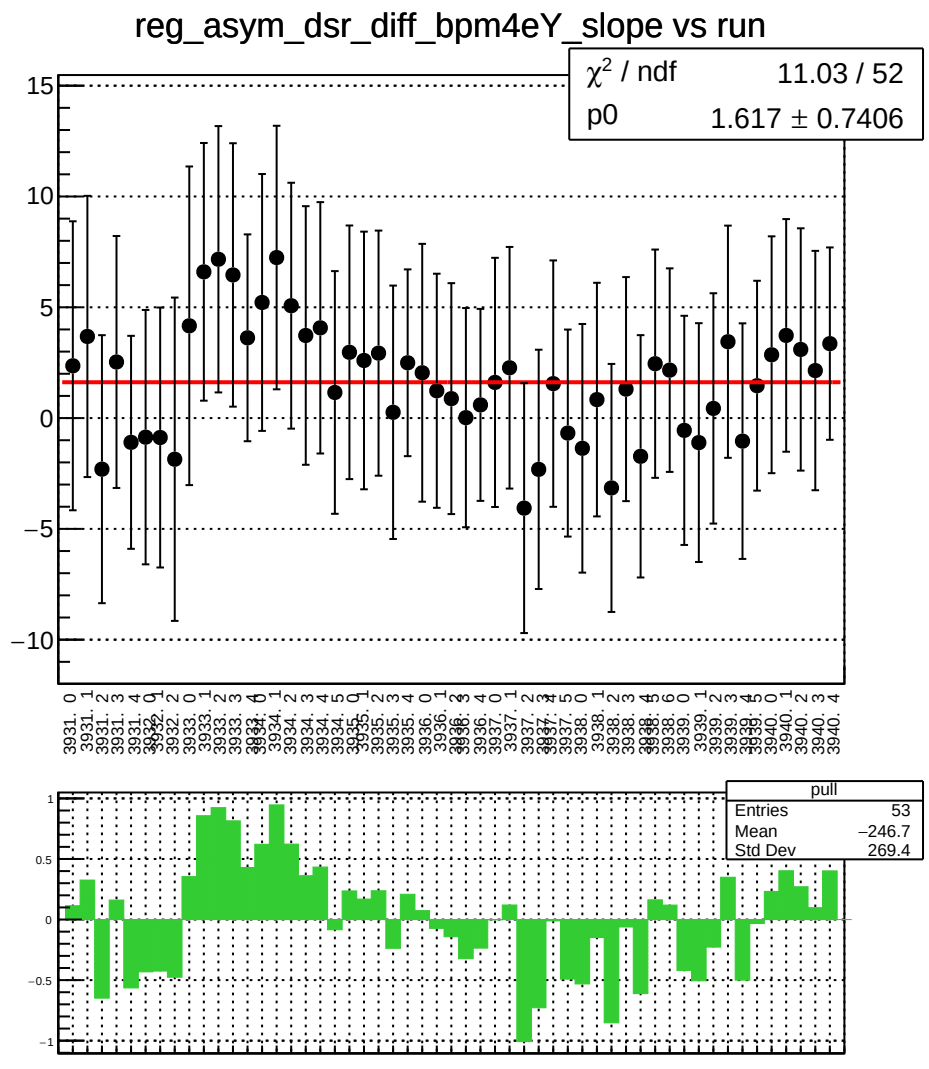

pull1D
Entries 53
Mean −0.02674
Std Dev 0.7735

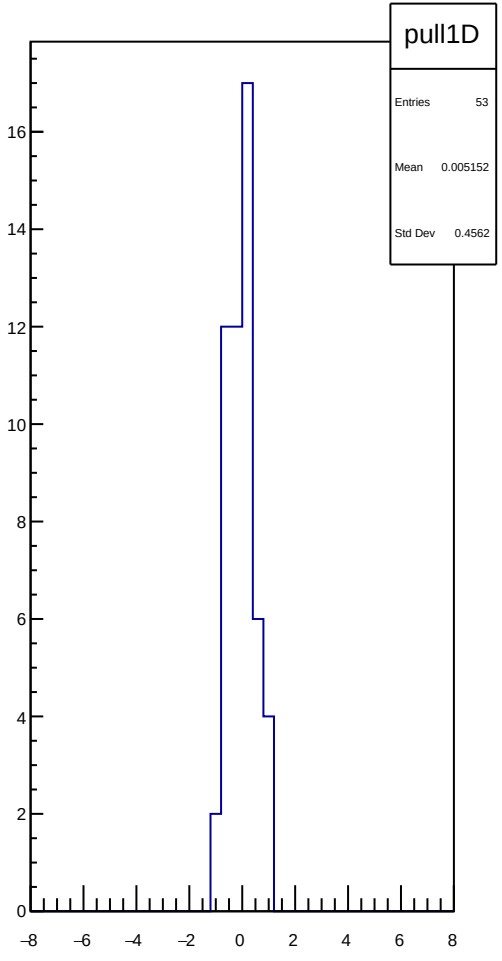

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 8.78 / 52
p0 −25.47 ± 0.5684
pull
Entries 53
Mean 277.2
Std Dev 248.2
pull1D
Entries 53
Mean 0.004331
Std Dev 0.407

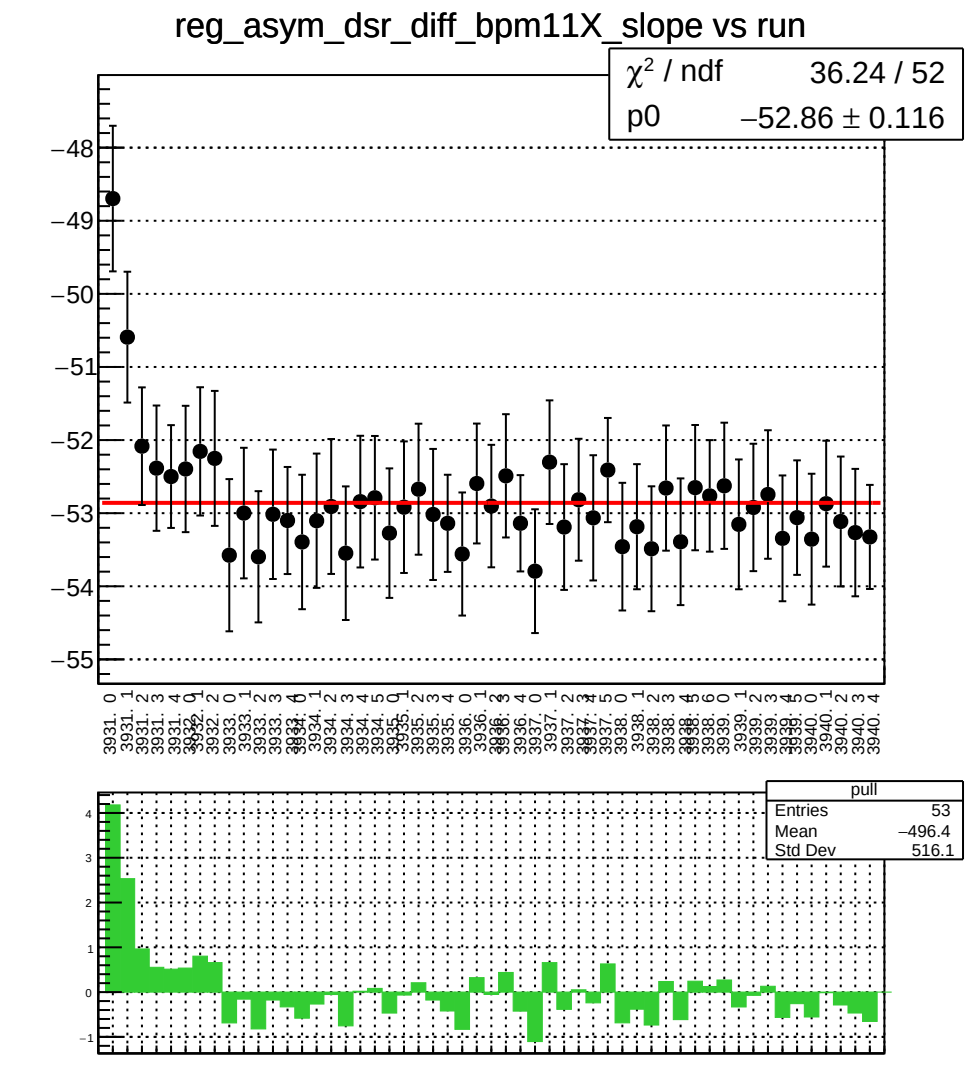

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 9.359 / 52
p0 6.758 ± 0.4373
pull
Entries 53
Mean −174.2
Std Dev 195.1

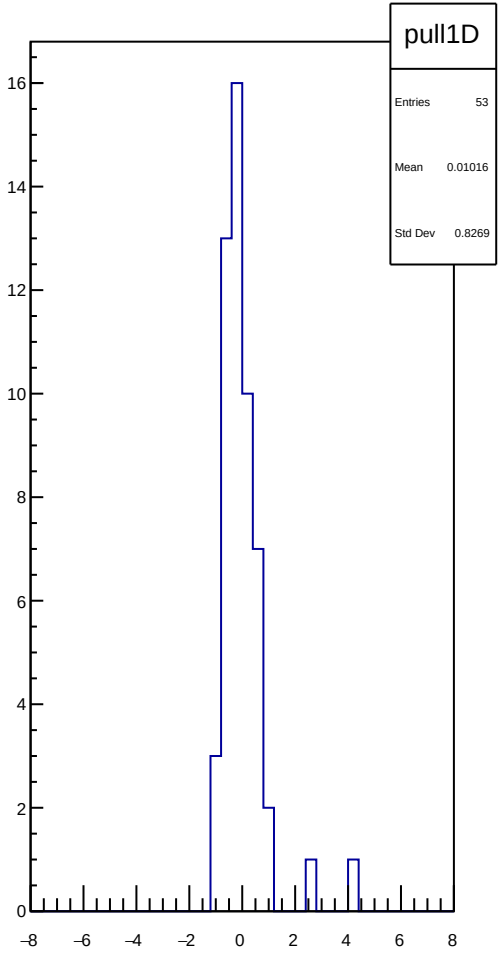

pull1D
Entries 53
Mean −0.00962
Std Dev 0.4201

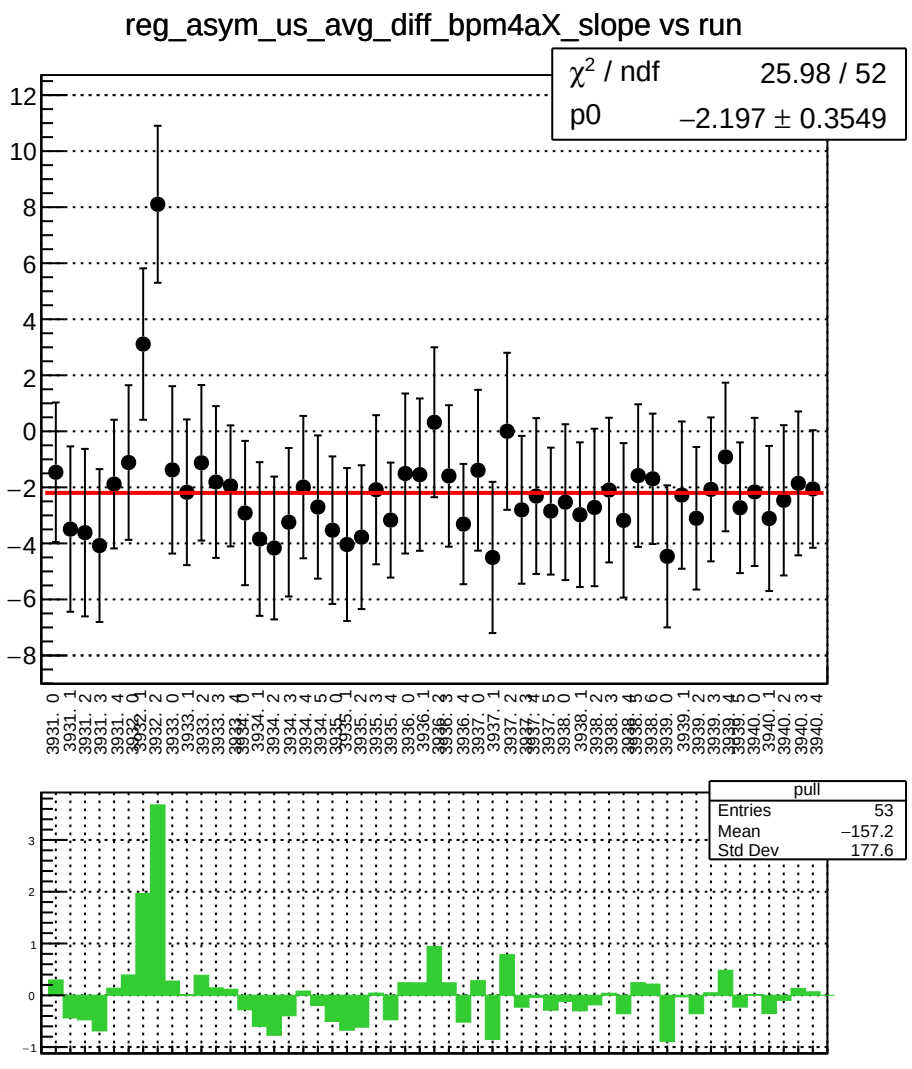

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 181.2 / 52
p0 24.5 ± 0.08789
pull
Entries 53
Mean −171
Std Dev 196.7
pull1D
Entries 53
Mean 0.08053
Std Dev 1.847

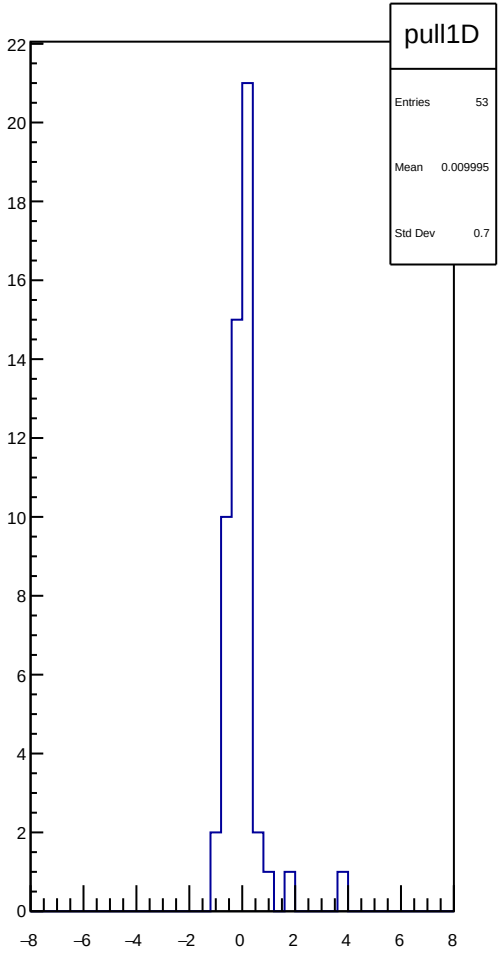

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 11.03 / 52
p0 1.617 ± 0.7406
pull
Entries 53
Mean −246.7
Std Dev 269.4

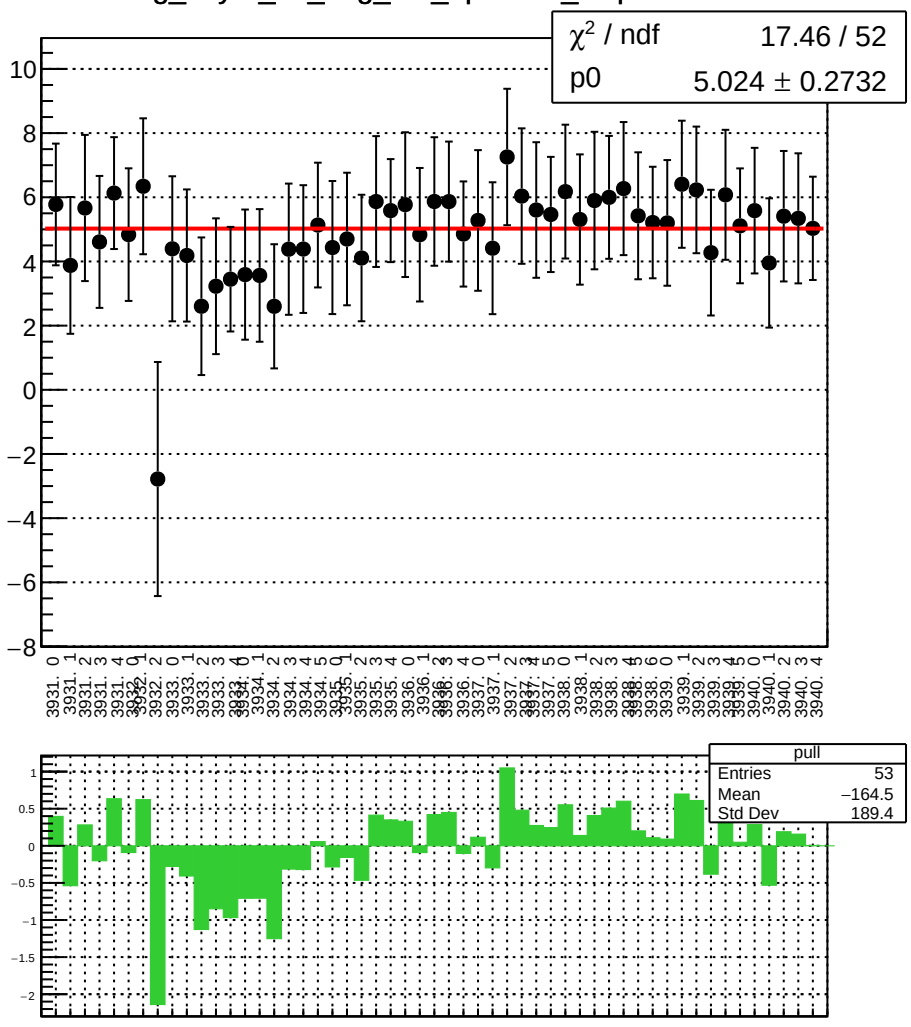

pull1D
Entries 53
Mean 0.005152
Std Dev 0.4562

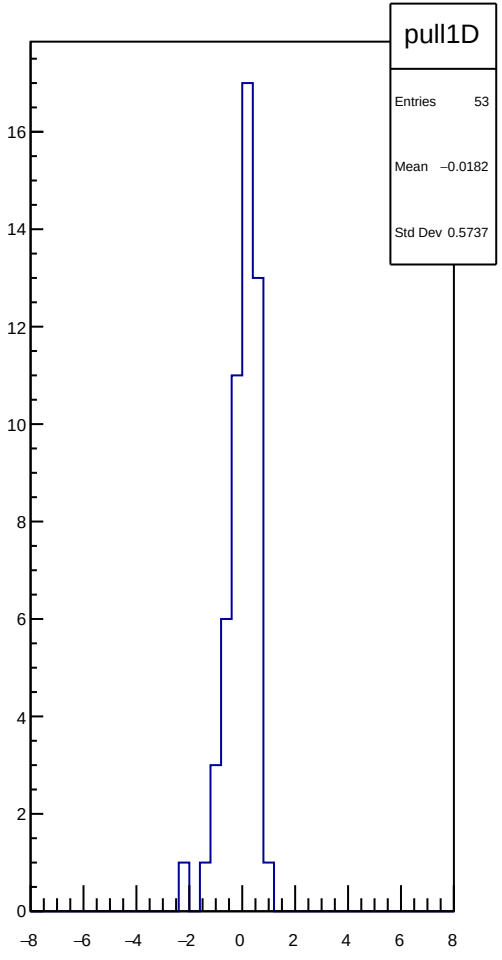

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 36.24 / 52
p0 −52.86 ± 0.116
pull
Entries 53
Mean −496.4
Std Dev 516.1

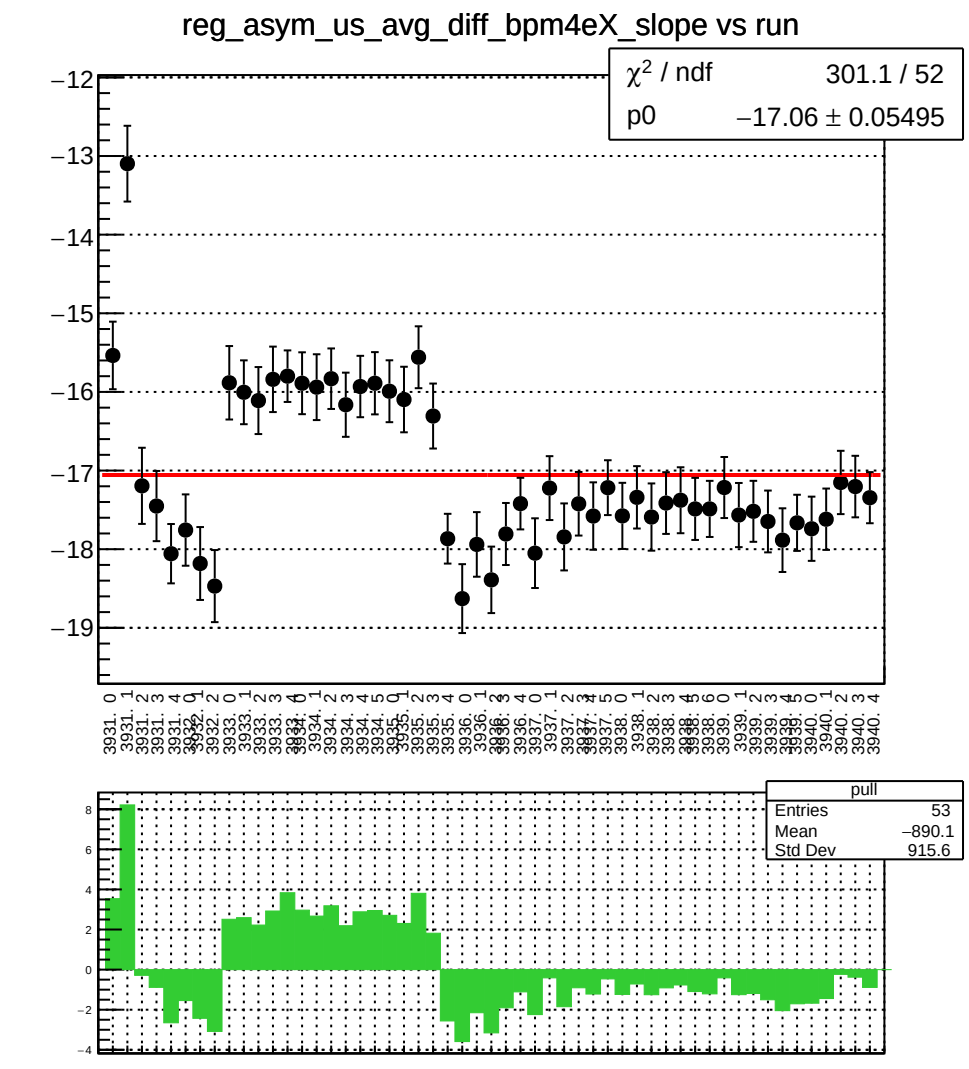

pull1D
Entries 53
Mean 0.01016
Std Dev 0.8269

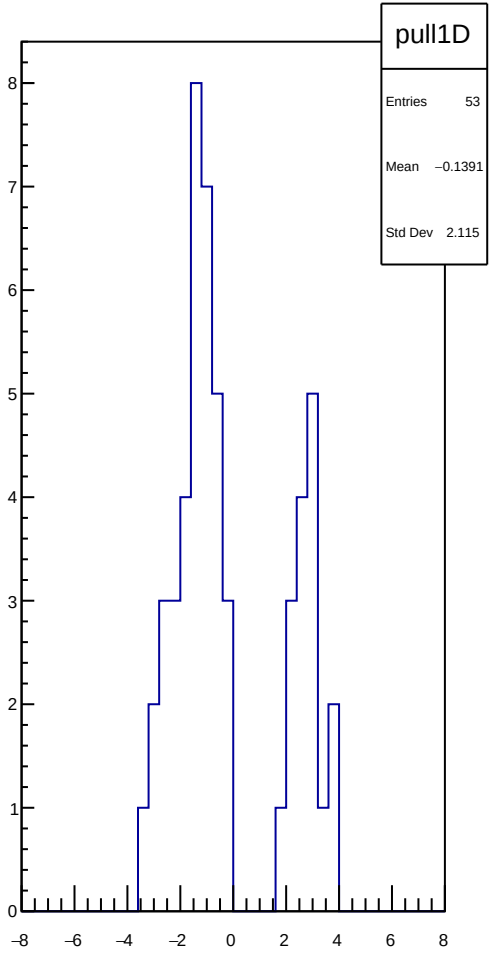

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 25.98 / 52
p0 −2.197 ± 0.3549
pull
Entries 53
Mean −157.2
Std Dev 177.6

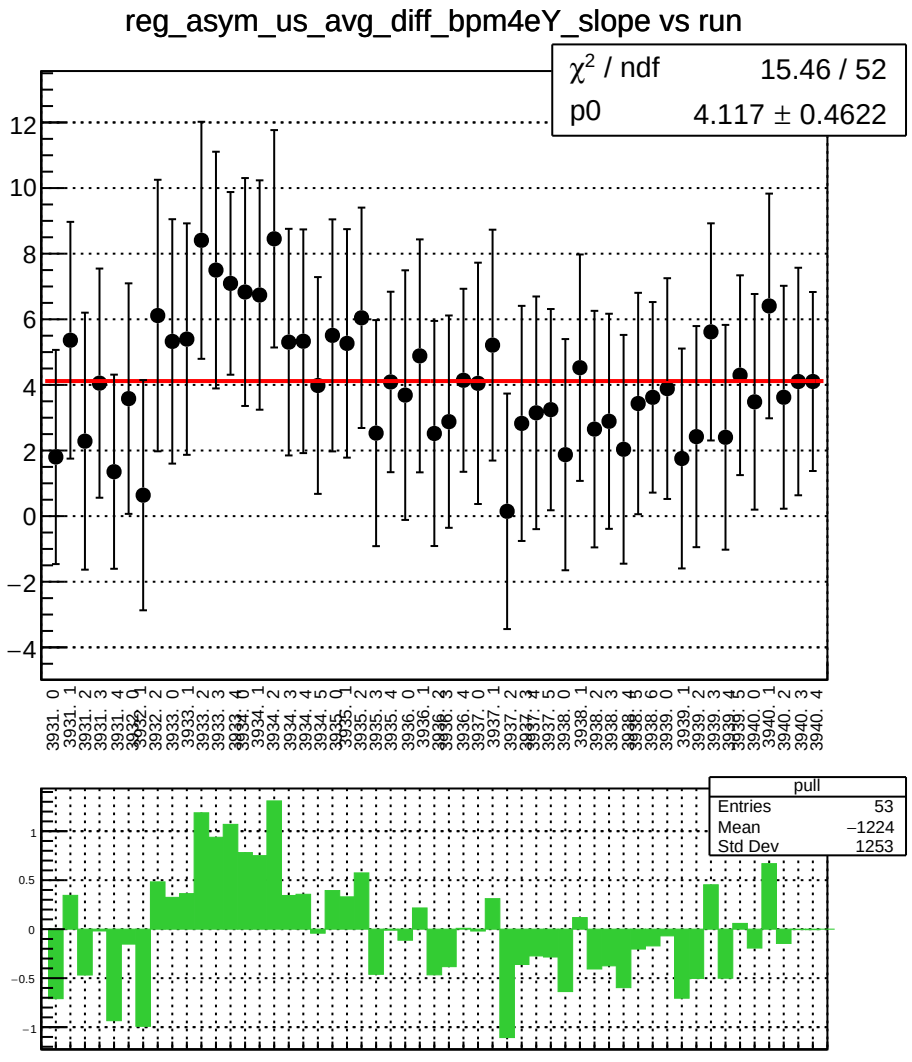

pull1D
Entries 53
Mean 0.009995
Std Dev 0.7

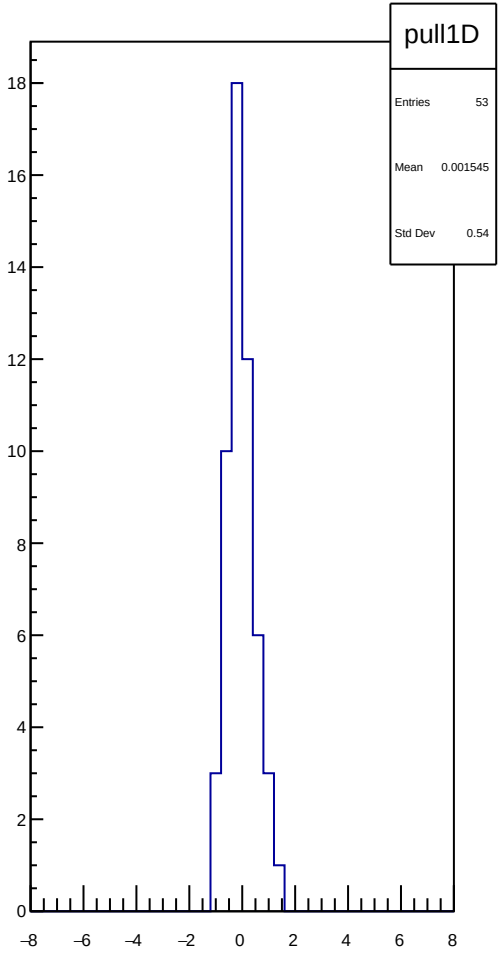

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.46 / 52
p0 5.024 ± 0.2732
pull
Entries 53
Mean −164.5
Std Dev 189.4

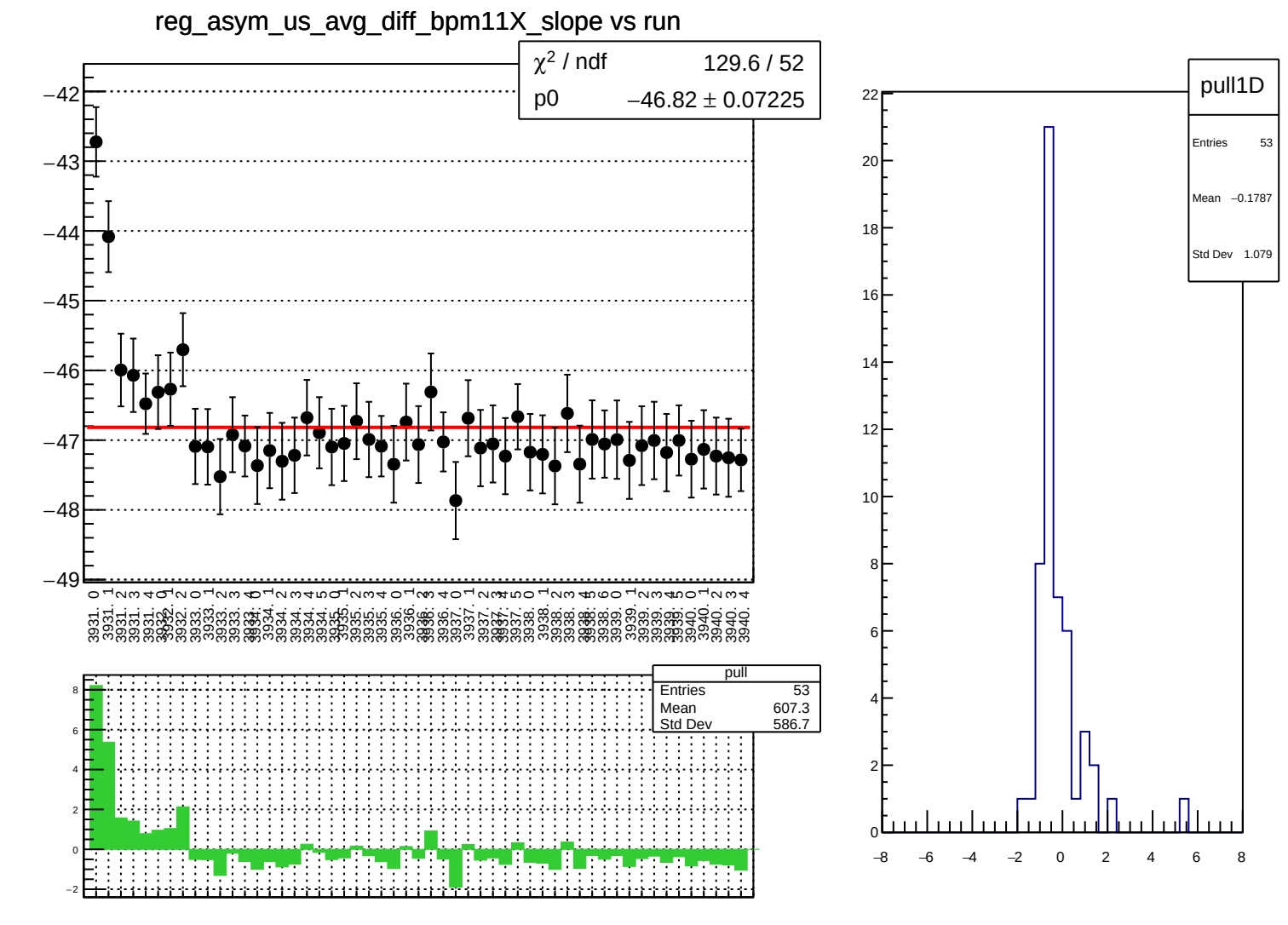

pull1D
Entries 53
Mean −0.0182
Std Dev 0.5737

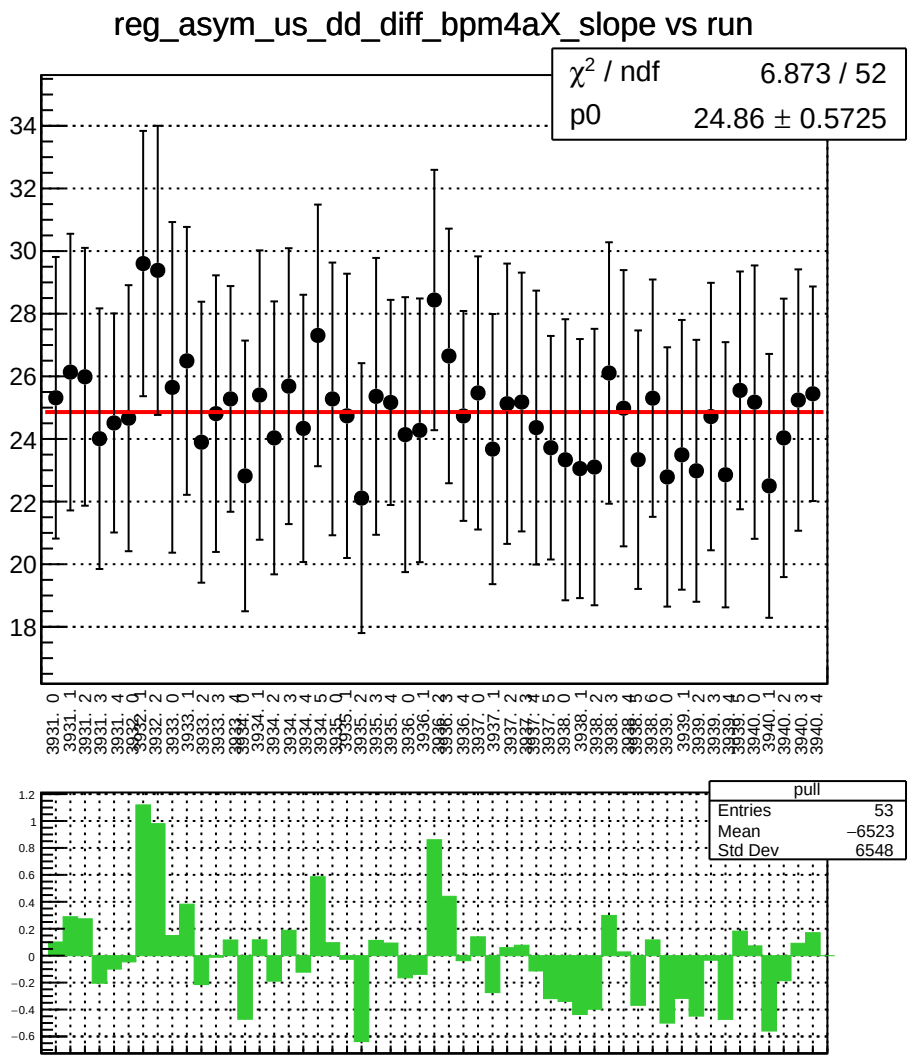

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 301.1 / 52
p0 −17.06 ± 0.05495
pull
Entries 53
Mean −890.1
Std Dev 915.6

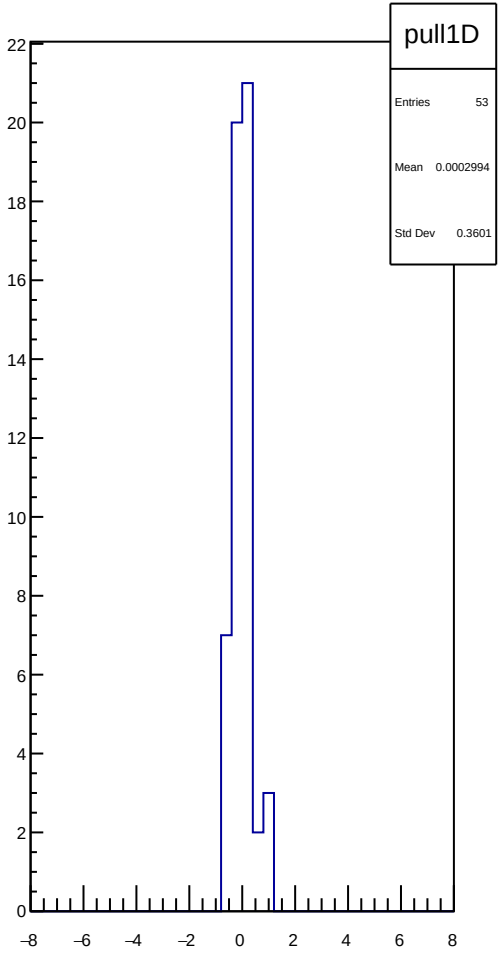

pull1D
Entries 53
Mean −0.1391
Std Dev 2.115

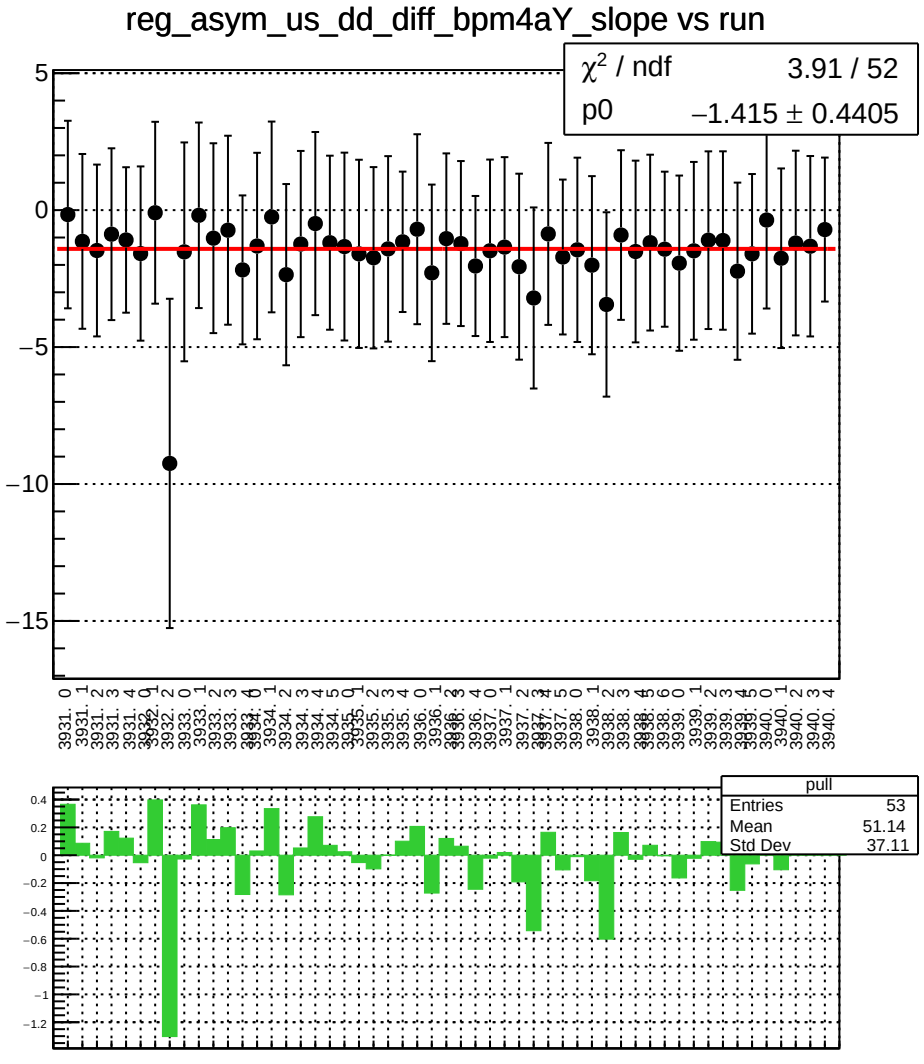

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.46 / 52
p0 4.117 ± 0.4622
pull
Entries 53
Mean −1224
Std Dev 1253

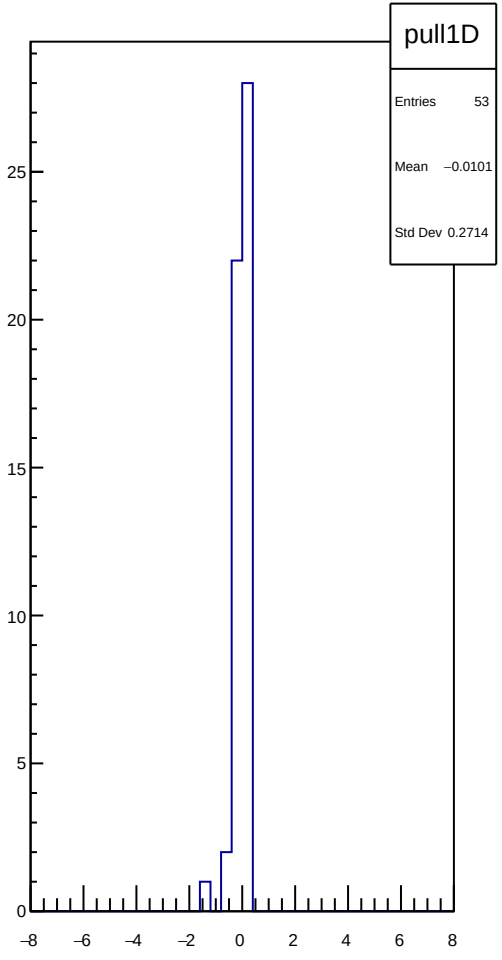

pull1D
Entries 53
Mean 0.001545
Std Dev 0.54

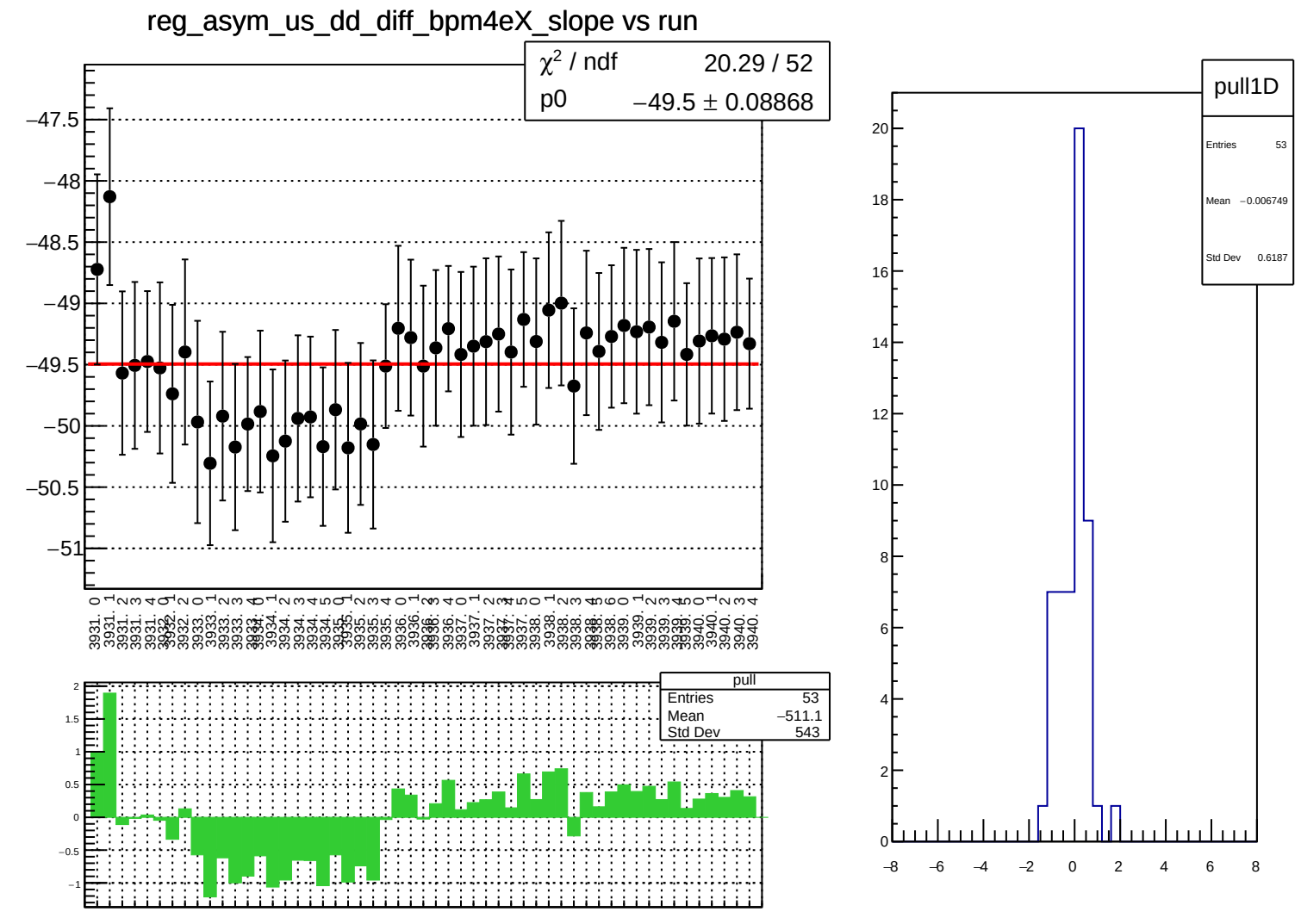

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 129.6 / 52
p0 −46.82 ± 0.07225
pull
Entries 53
Mean 607.3
Std Dev 586.7
pull1D
Entries 53
Mean −0.1787
Std Dev 1.079

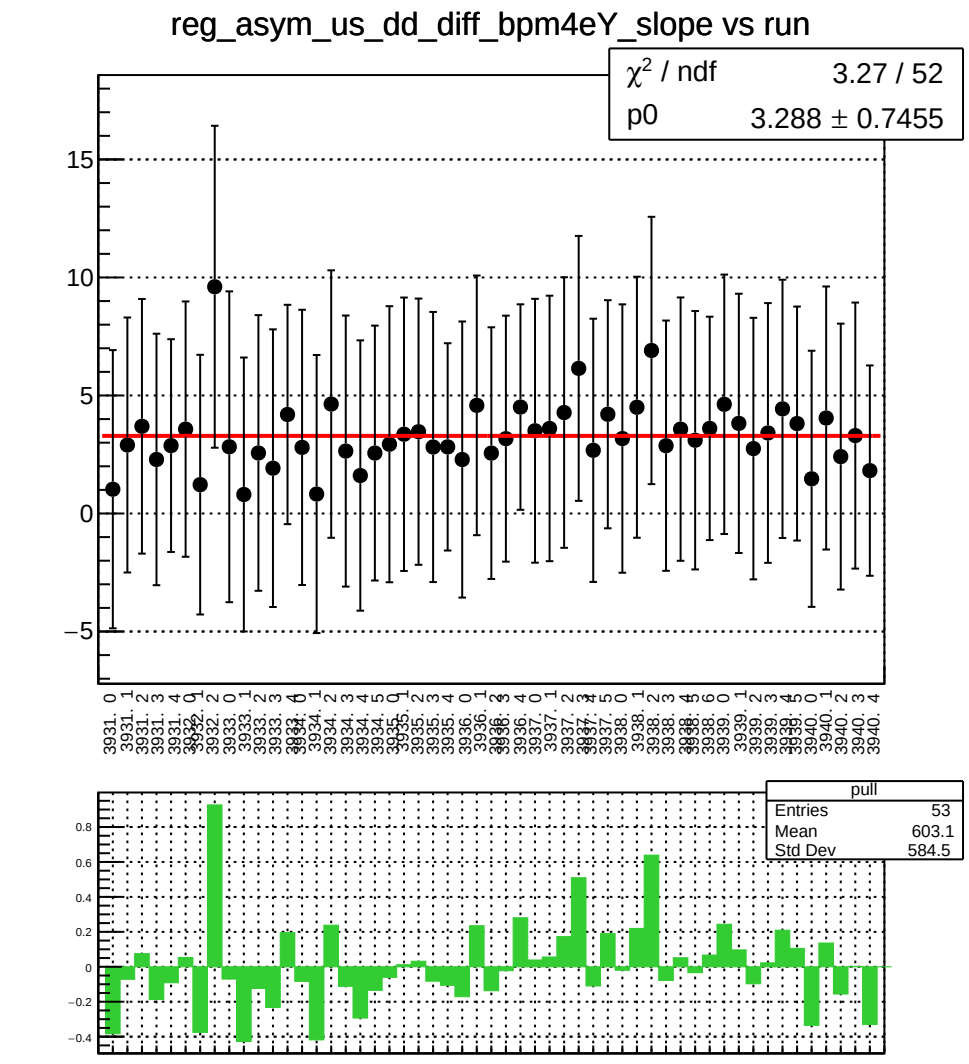

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 6.873 / 52
p0 24.86 ± 0.5725
pull
Entries 53
Mean −6523
Std Dev 6548

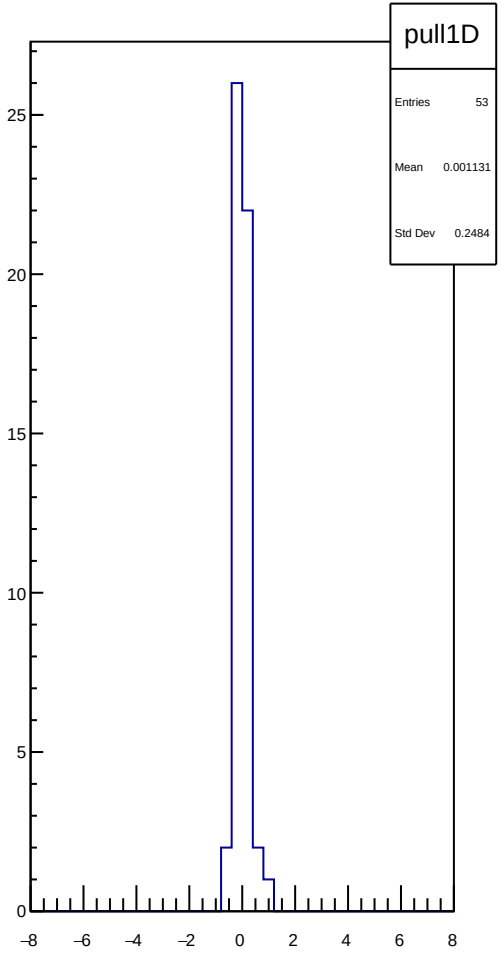

pull1D
Entries 53
Mean 0.0002994
Std Dev 0.3601

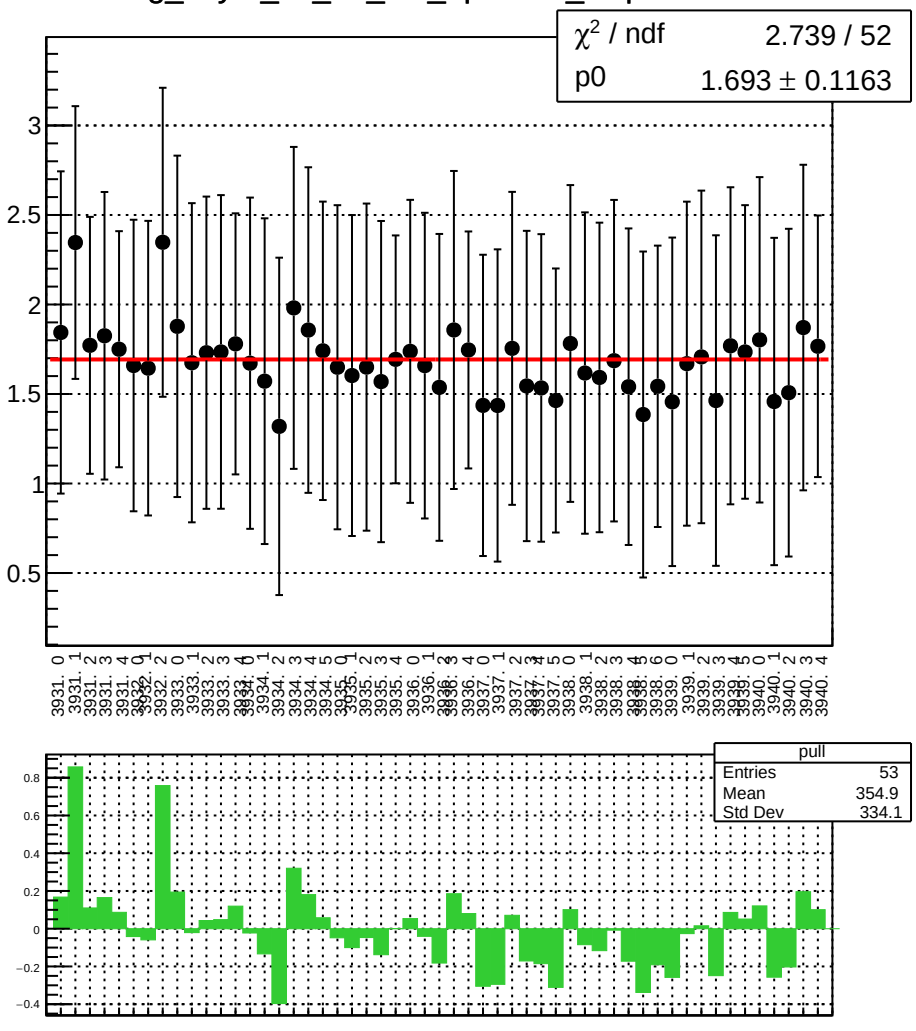

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.91 / 52
p0 −1.415 ± 0.4405
pull
Entries 53
Mean 51.14
Std Dev 37.11

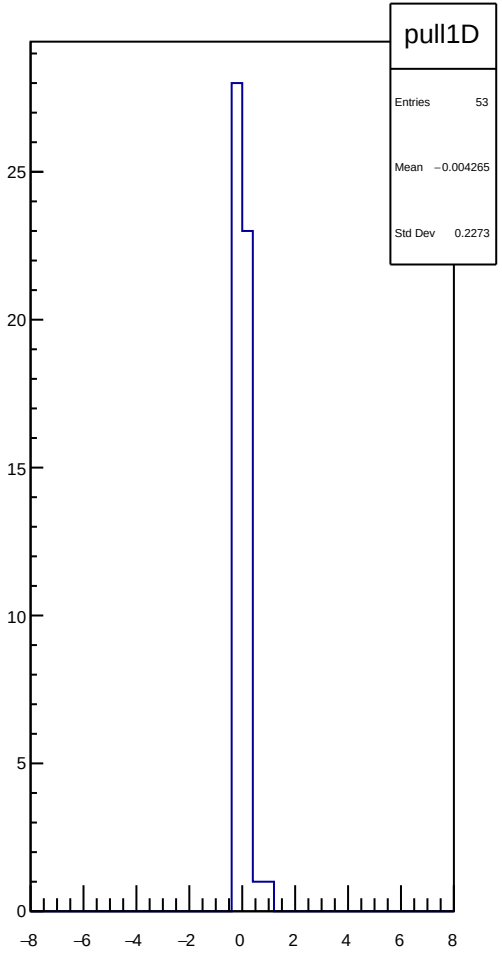

pull1D
Entries 53
Mean −0.0101
Std Dev 0.2714

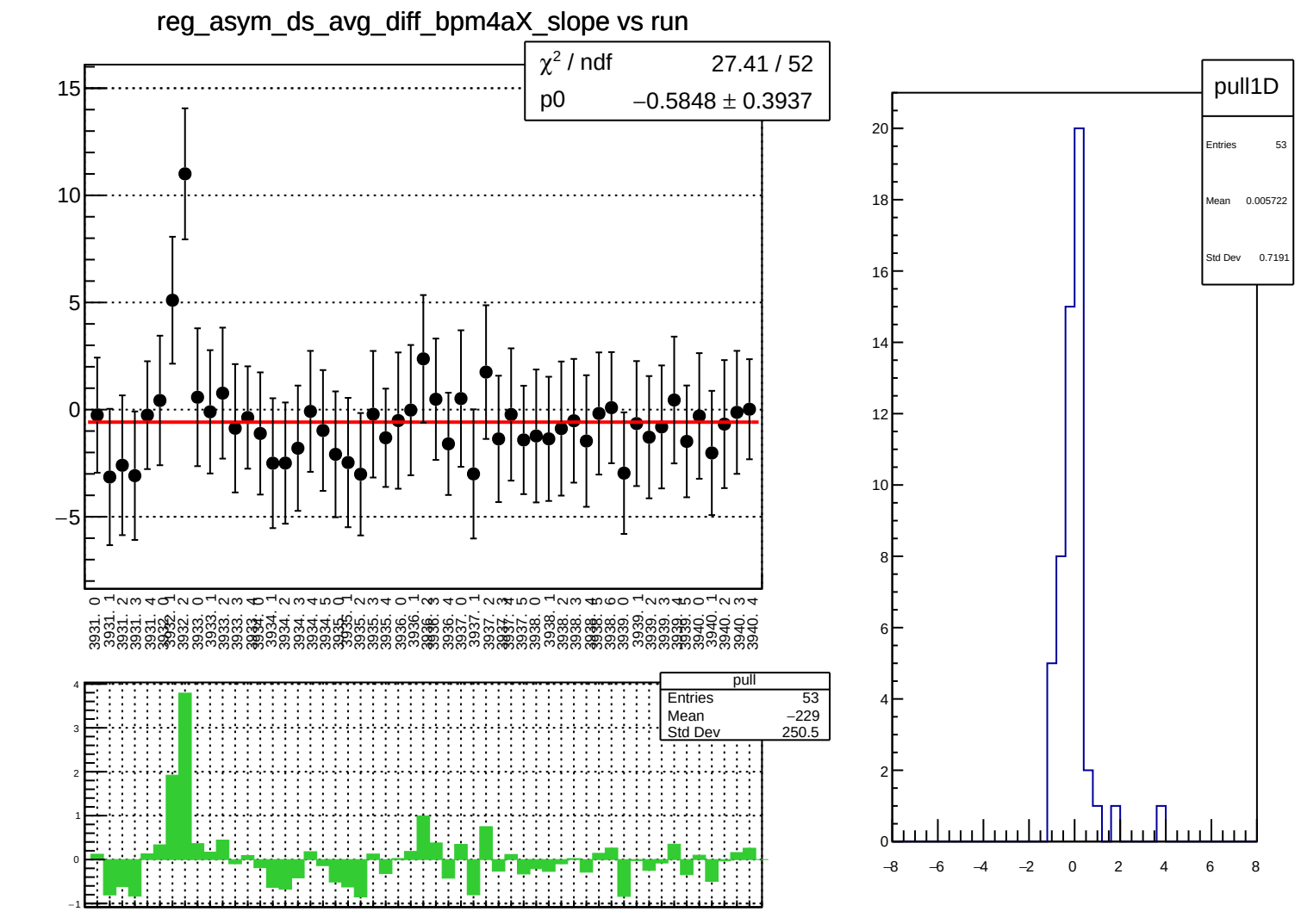

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.29 / 52
p0 −49.5 ± 0.08868
pull
Entries 53
Mean −511.1
Std Dev 543
pull1D
Entries 53
Mean −0.006749
Std Dev 0.6187

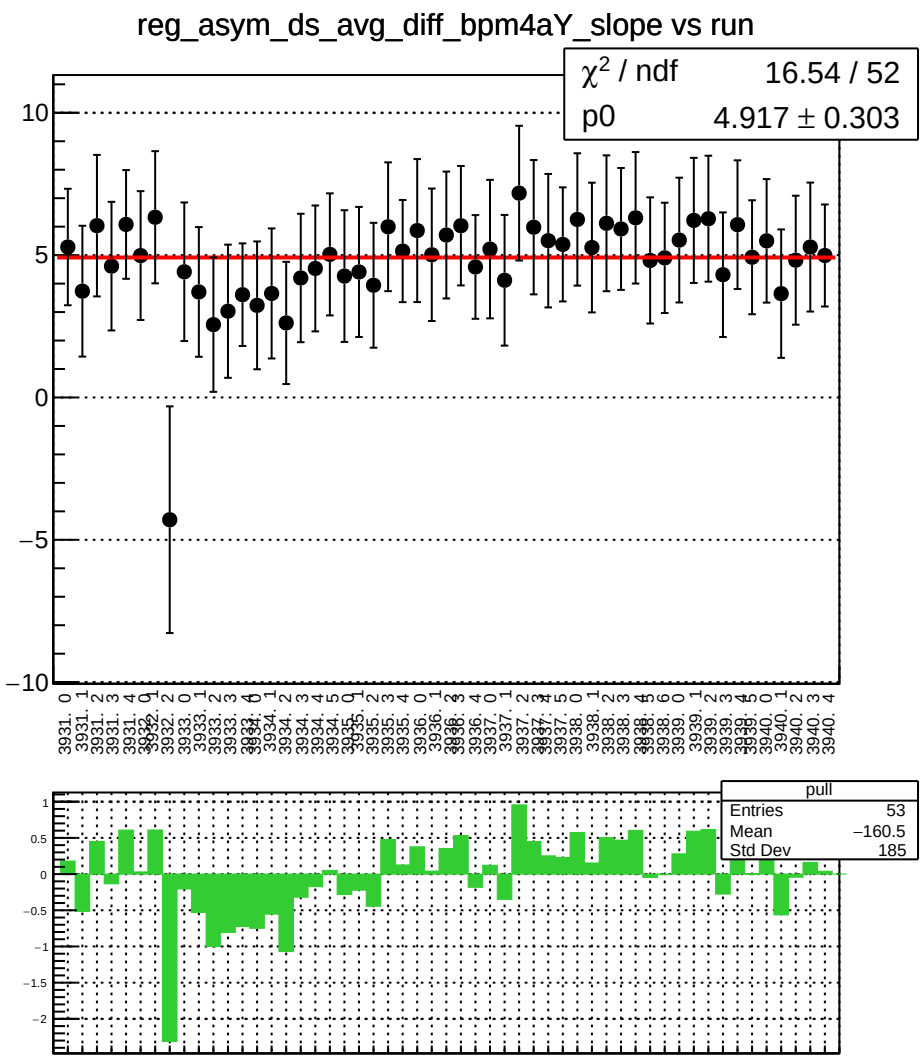

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.27 / 52
p0 3.288 ± 0.7455
pull
Entries 53
Mean 603.1
Std Dev 584.5

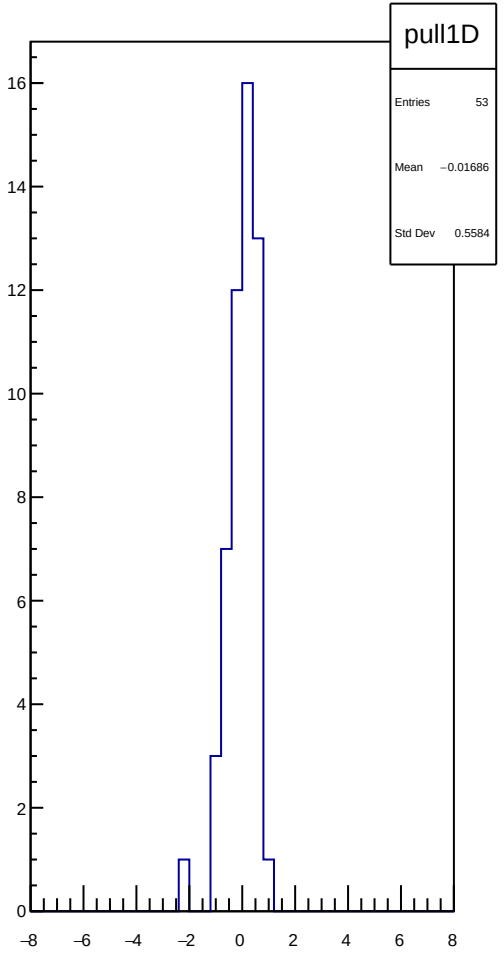

pull1D
Entries 53
Mean 0.001131
Std Dev 0.2484

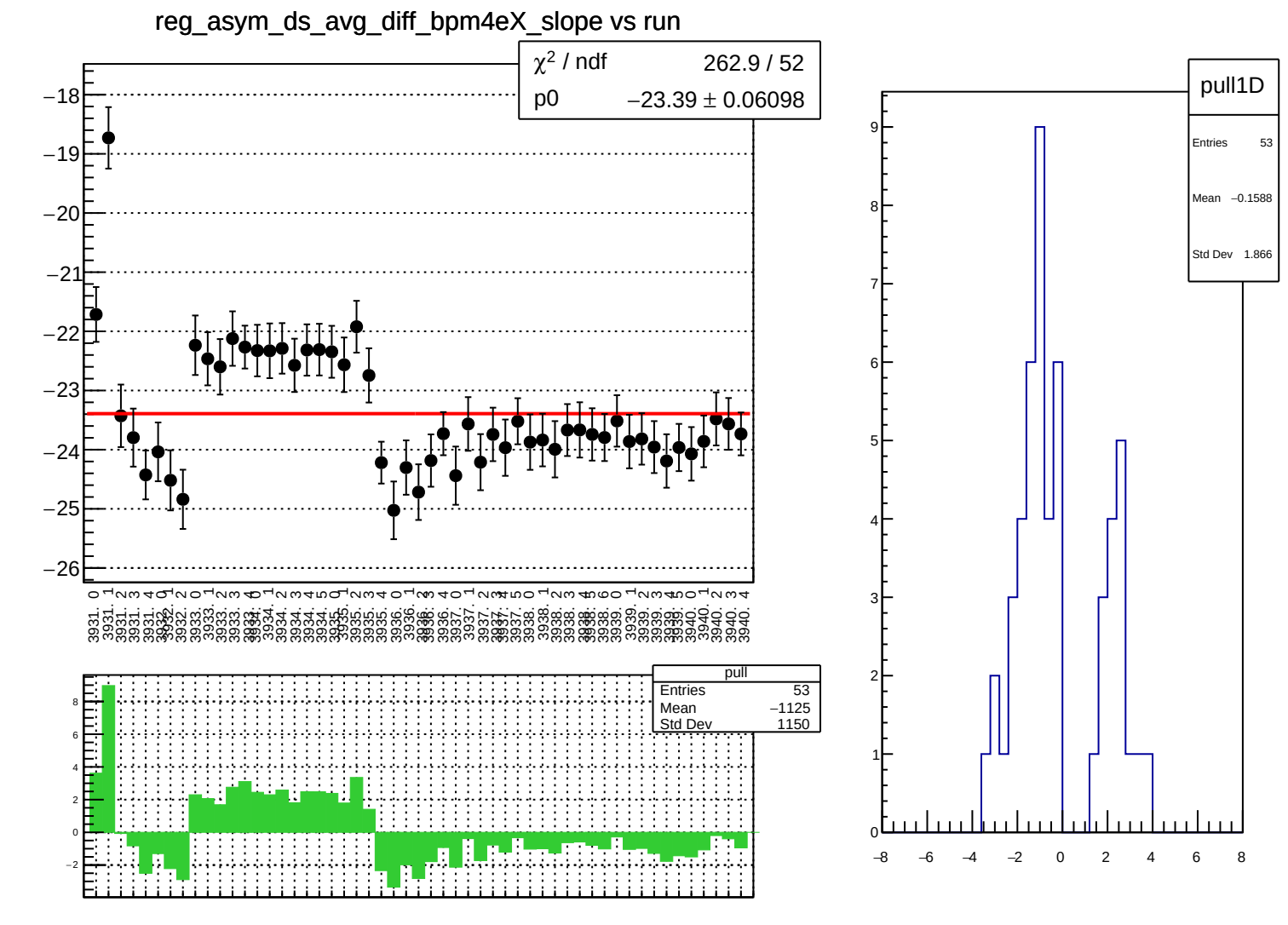

reg_asym_us_dd_diff_bpm11X_slope vs run
χ² / ndf 2.739 / 52
p0 1.693 ± 0.1163
pull
Entries 53
Mean 354.9
Std Dev 334.1

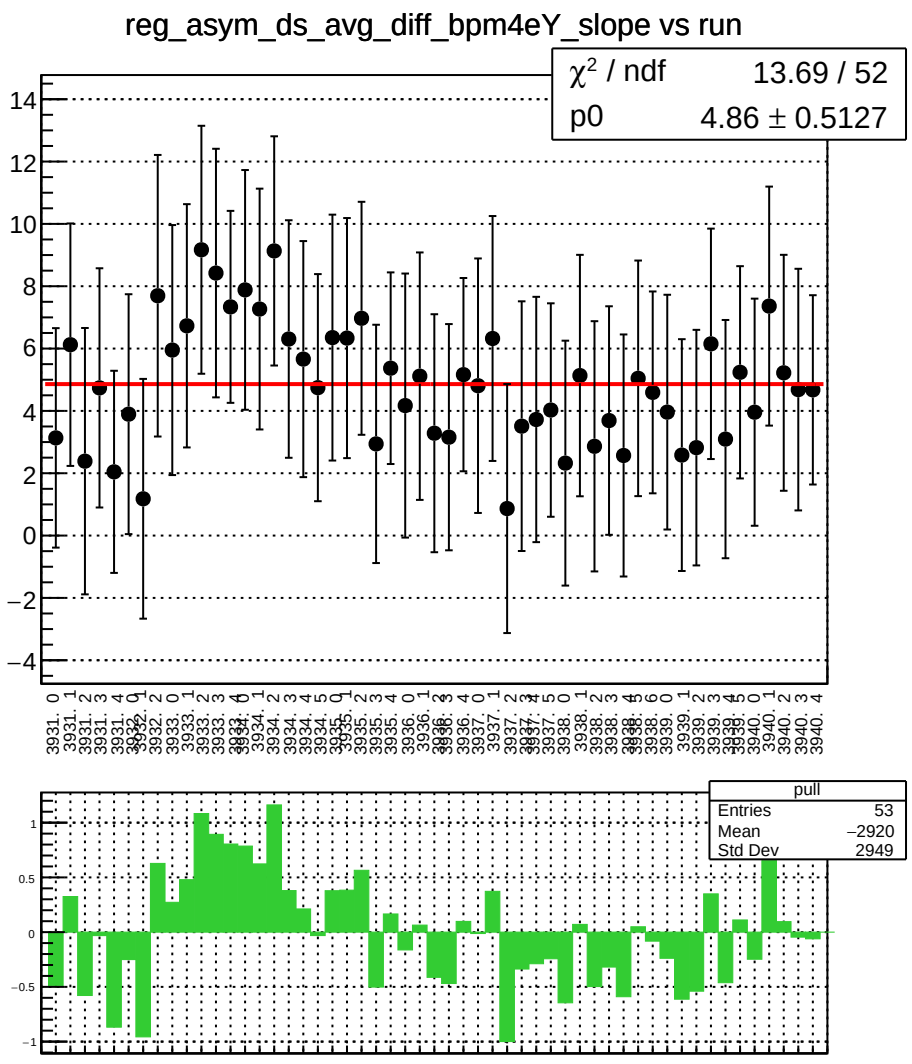

pull1D
Entries 53
Mean −0.004265
Std Dev 0.2273

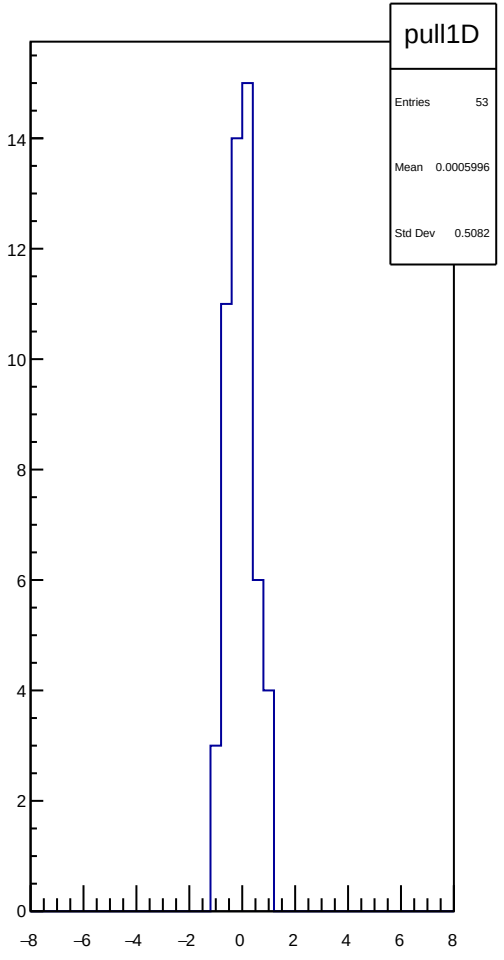

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 27.41 / 52
p0 −0.5848 ± 0.3937
pull
Entries 53
Mean −229
Std Dev 250.5
pull1D
Entries 53
Mean 0.005722
Std Dev 0.7191

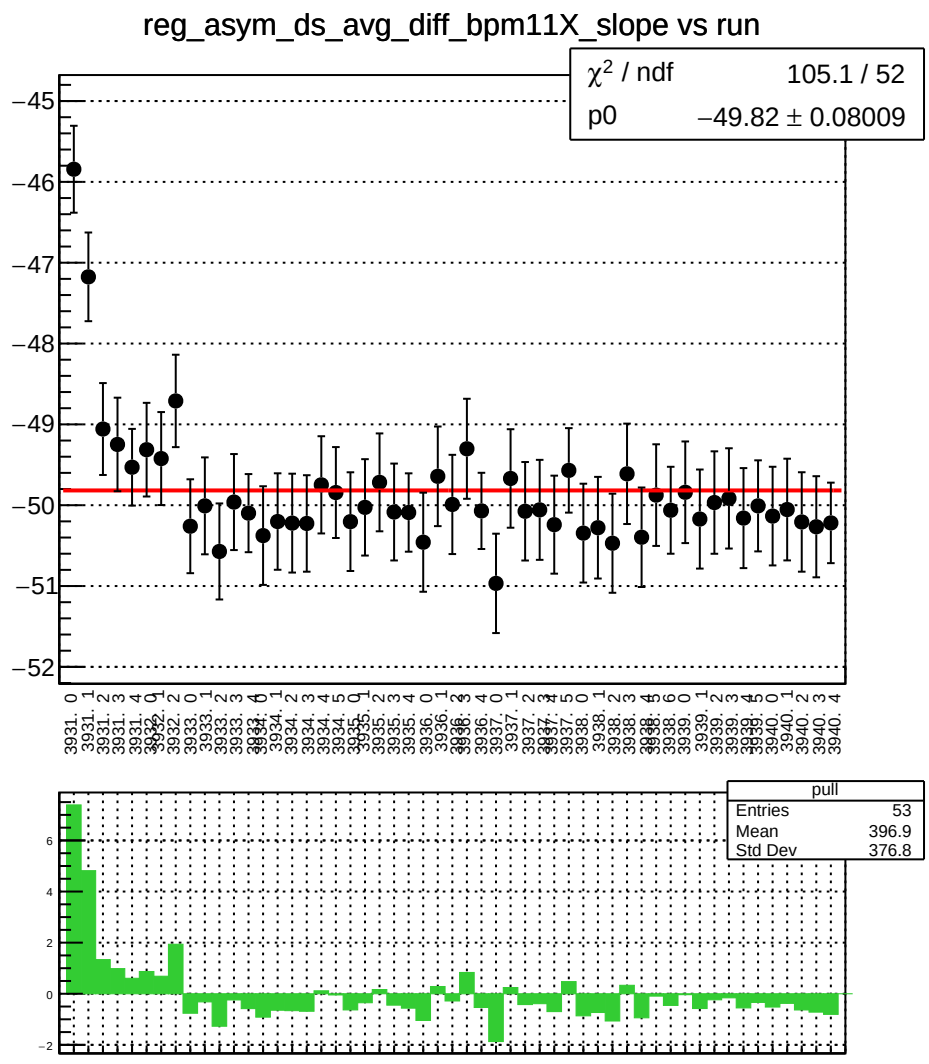

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.54 / 52
p0 4.917 ± 0.303
pull
Entries 53
Mean −160.5
Std Dev 185

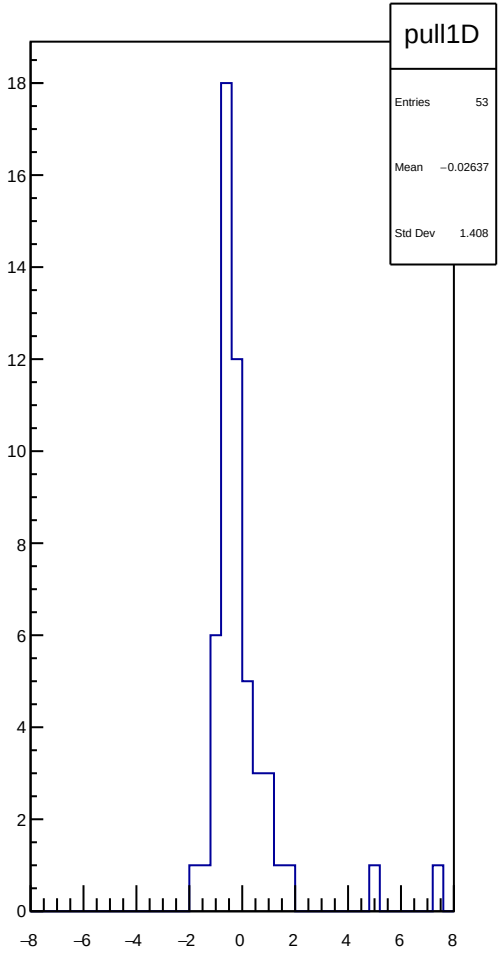

pull1D
Entries 53
Mean −0.01686
Std Dev 0.5584

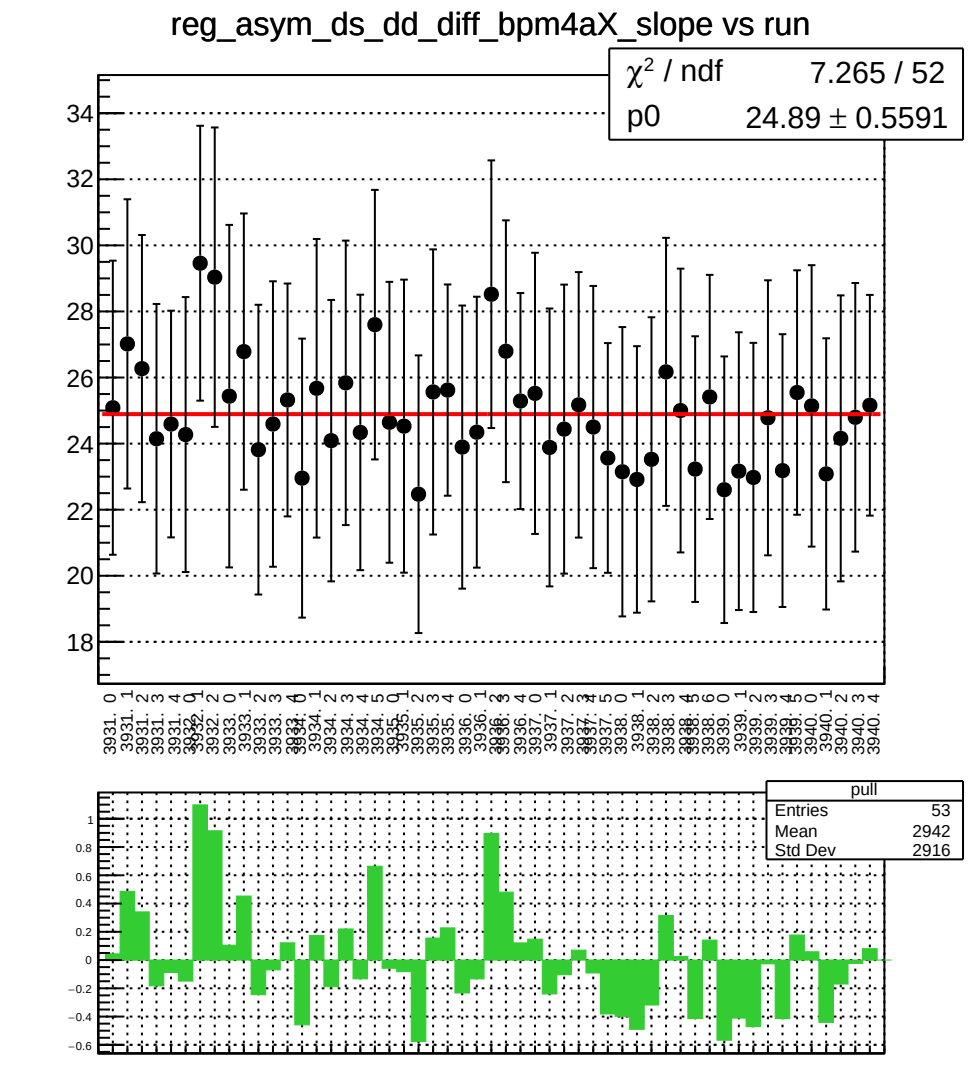

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 262.9 / 52
p0 −23.39 ± 0.06098
pull
Entries 53
Mean −1125
Std Dev 1150
pull1D
Entries 53
Mean −0.1588
Std Dev 1.866

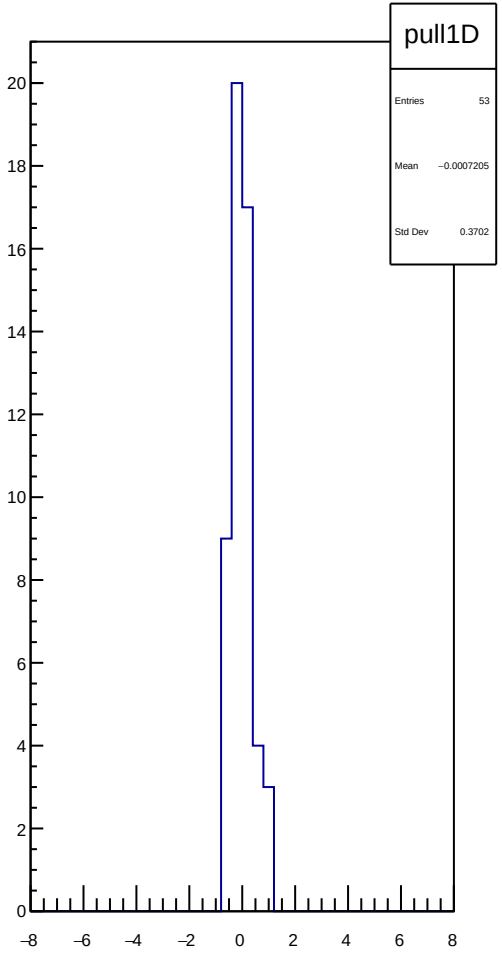

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.69 / 52
p0 4.86 ± 0.5127
pull
Entries 53
Mean −2920
Std Dev 2949

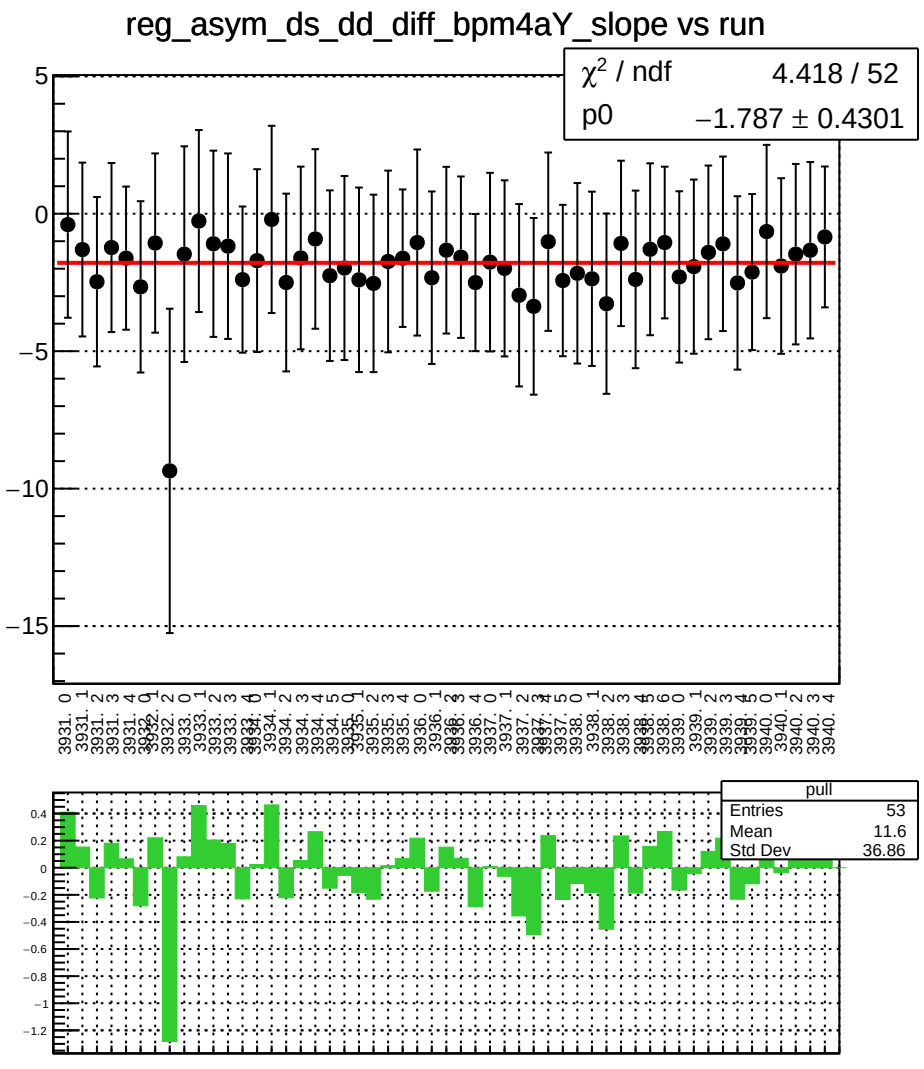

pull1D
Entries 53
Mean 0.0005996
Std Dev 0.5082

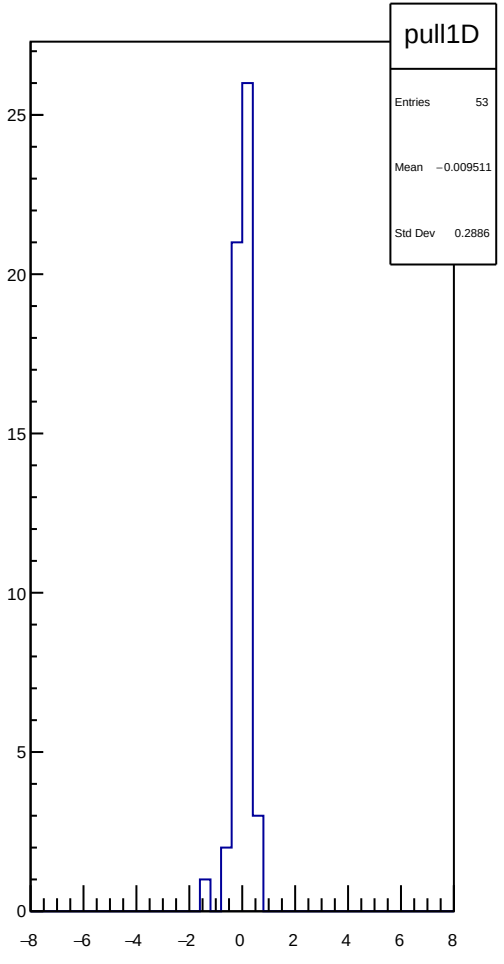

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 105.1 / 52
p0 −49.82 ± 0.08009
pull
Entries 53
Mean 396.9
Std Dev 376.8

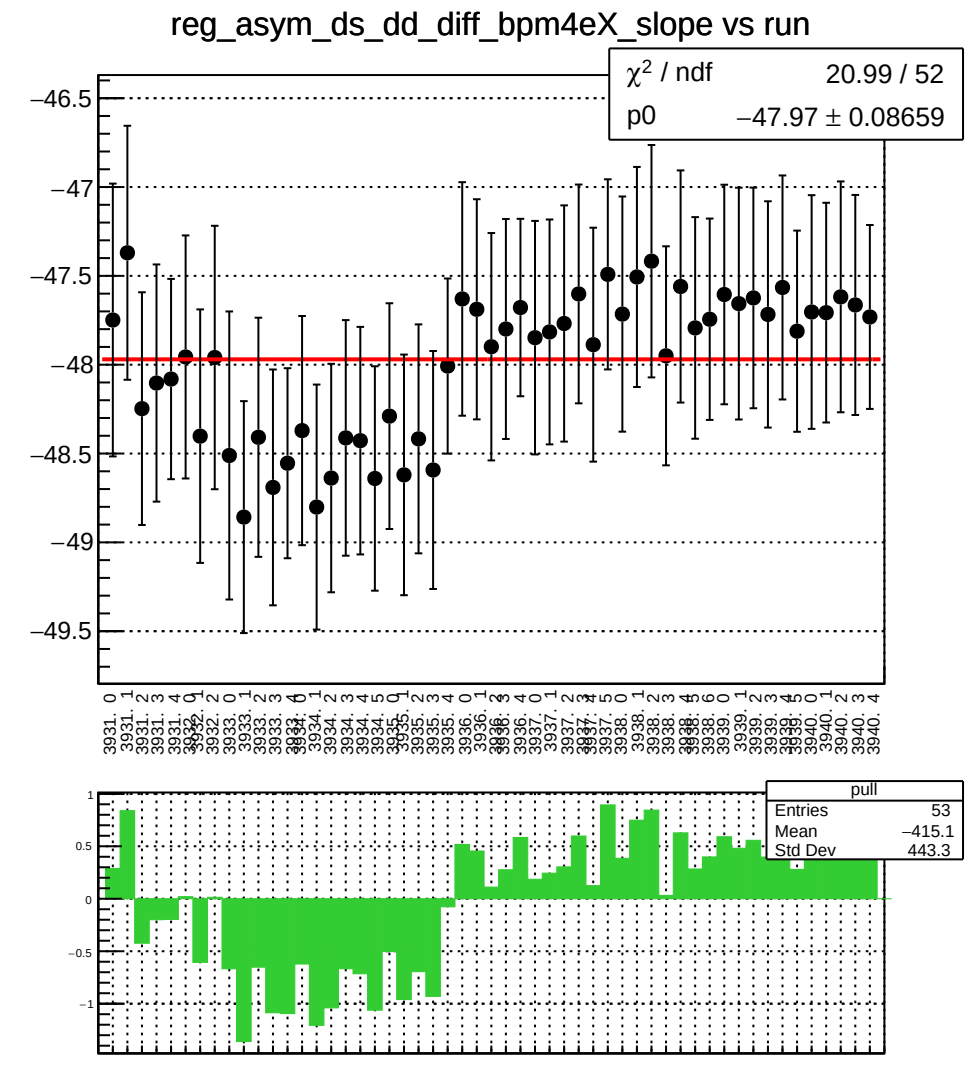

pull1D
Entries 53
Mean −0.02637
Std Dev 1.408

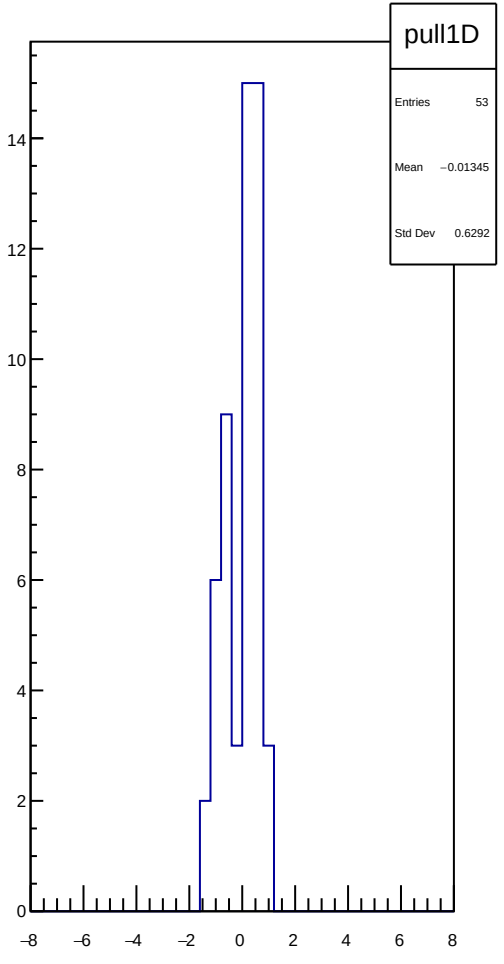

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.265 / 52
p0 24.89 ± 0.5591
pull
Entries 53
Mean 2942
Std Dev 2916

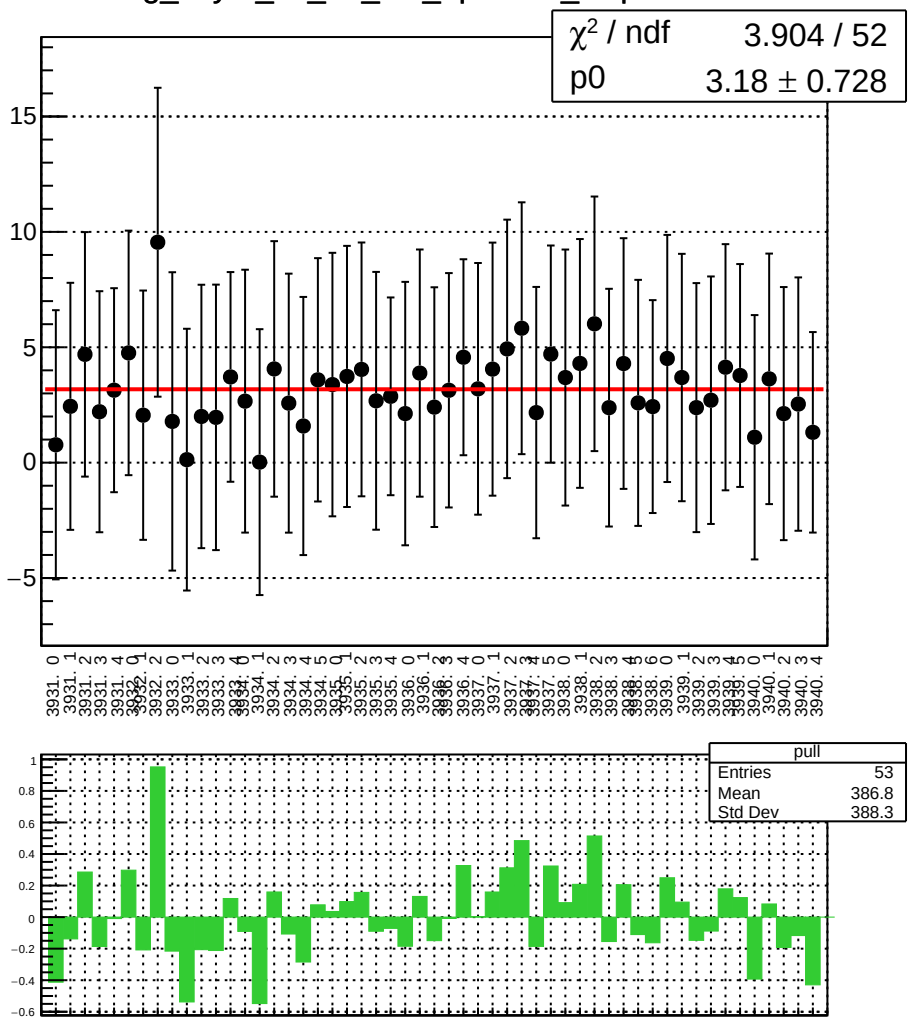

pull1D
Entries 53
Mean −0.0007205
Std Dev 0.3702

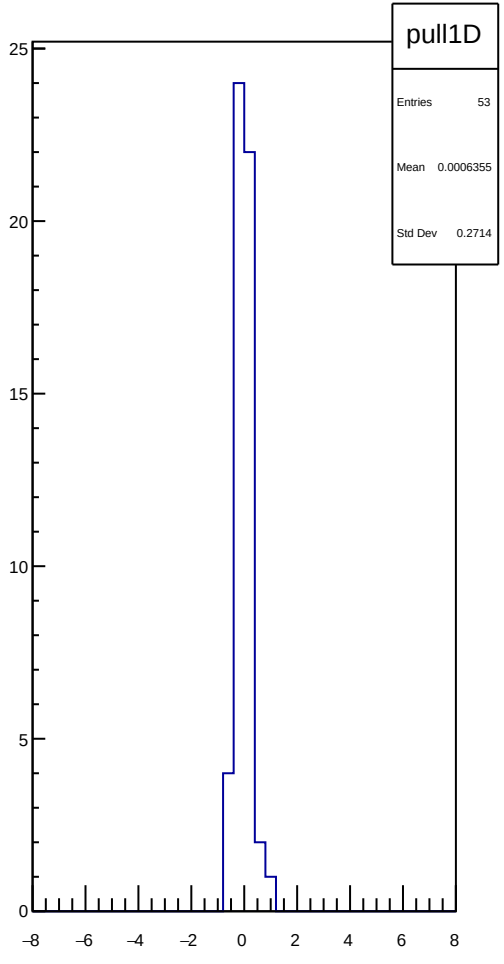

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.418 / 52
p0 −1.787 ± 0.4301
pull
Entries 53
Mean 11.6
Std Dev 36.86

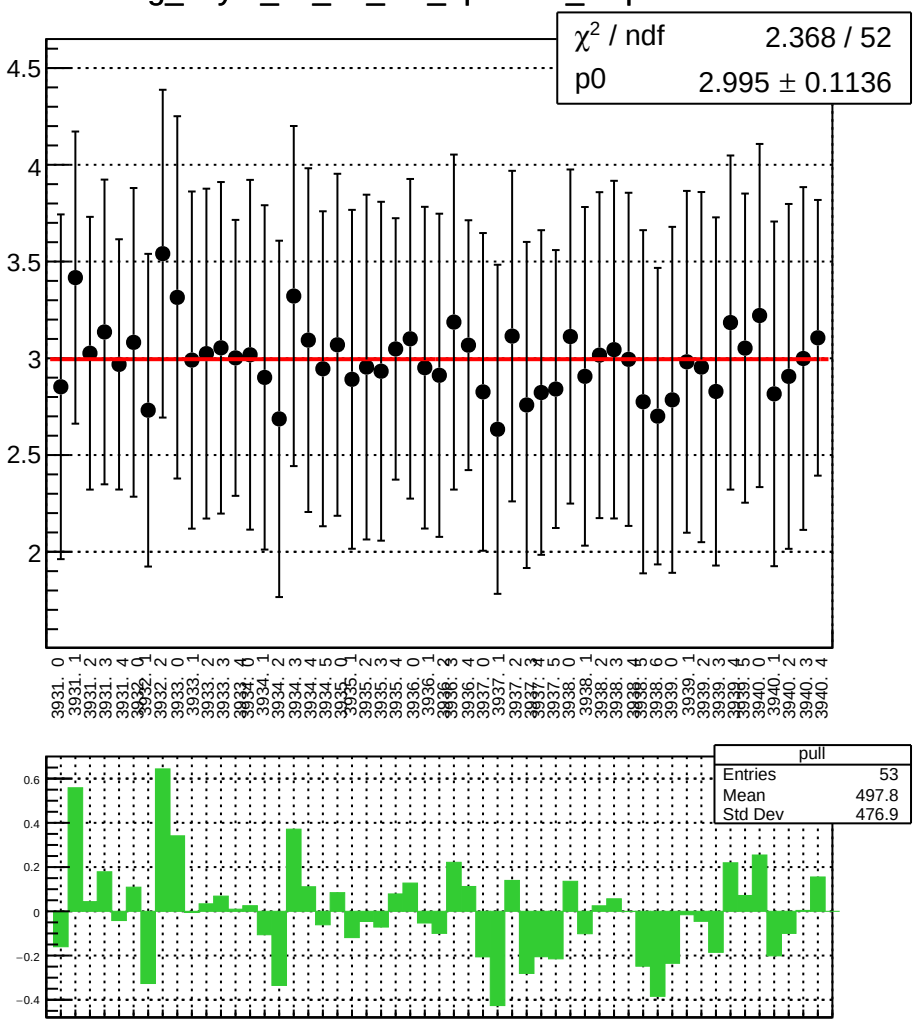

pull1D
Entries 53
Mean −0.009511
Std Dev 0.2886

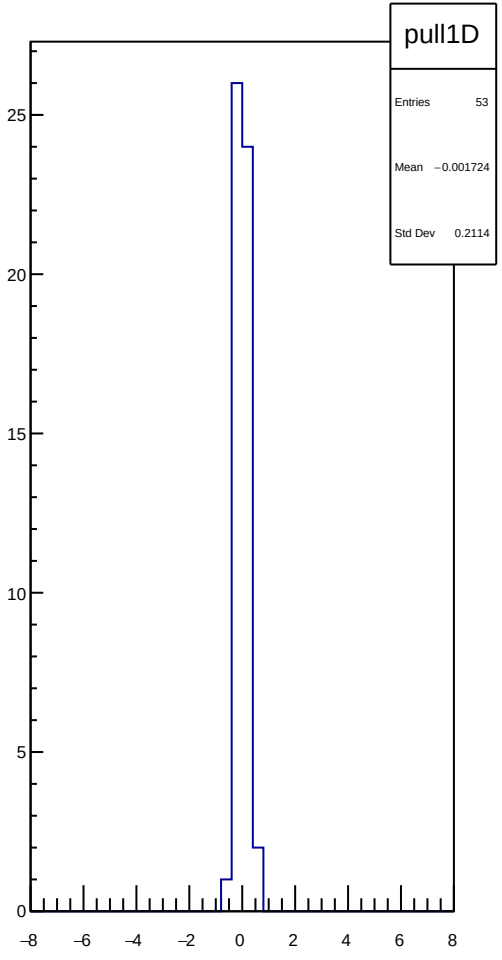

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.99 / 52
p0 −47.97 ± 0.08659
−46.5
−47
−47.5
−48
−48.5
−49
−49.5
pull
Entries 53
Mean −415.1
Std Dev 443.3
1
0.5
0
−0.5
−1

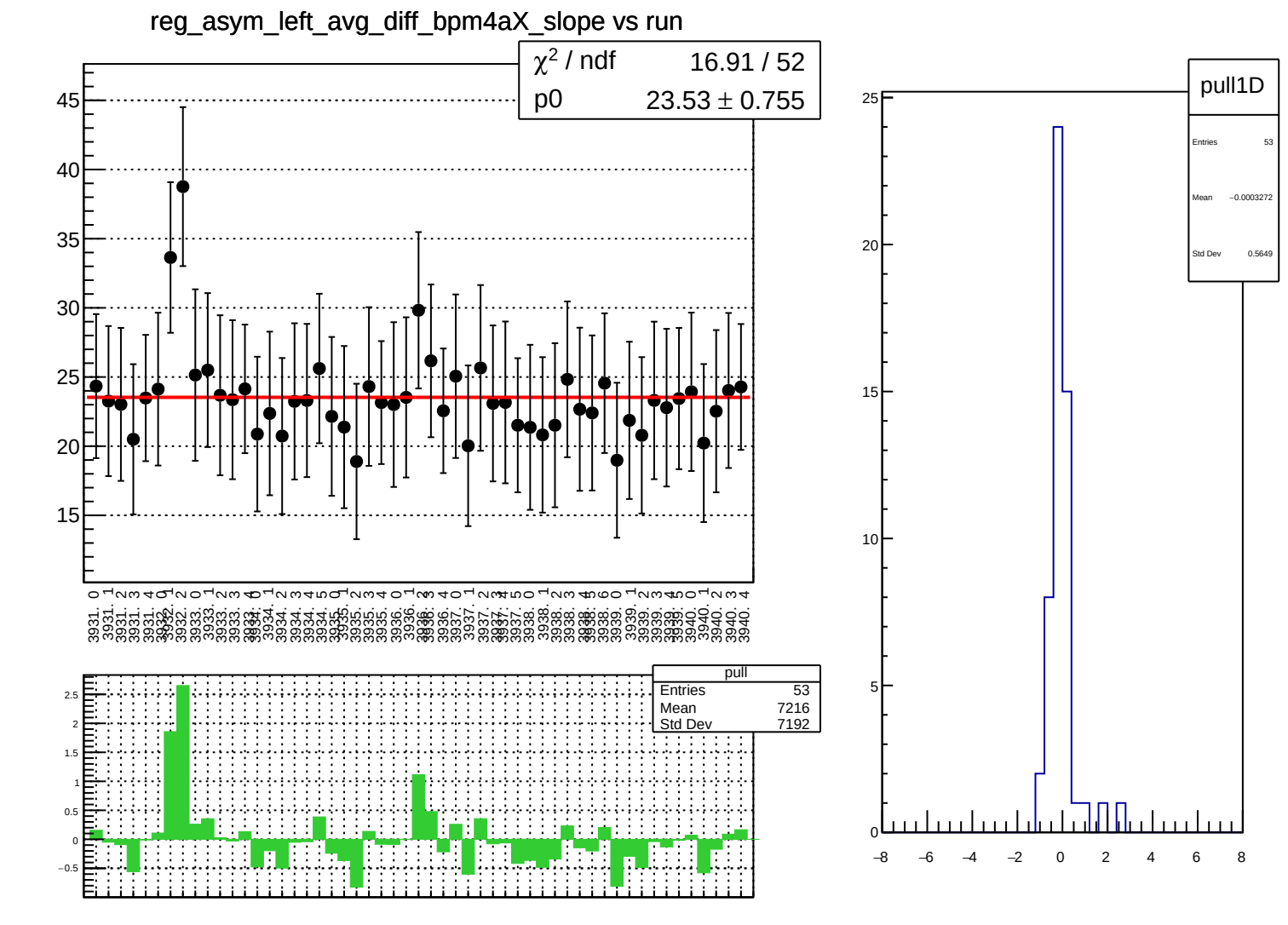

pull1D
Entries 53
Mean −0.01345
Std Dev 0.6292
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

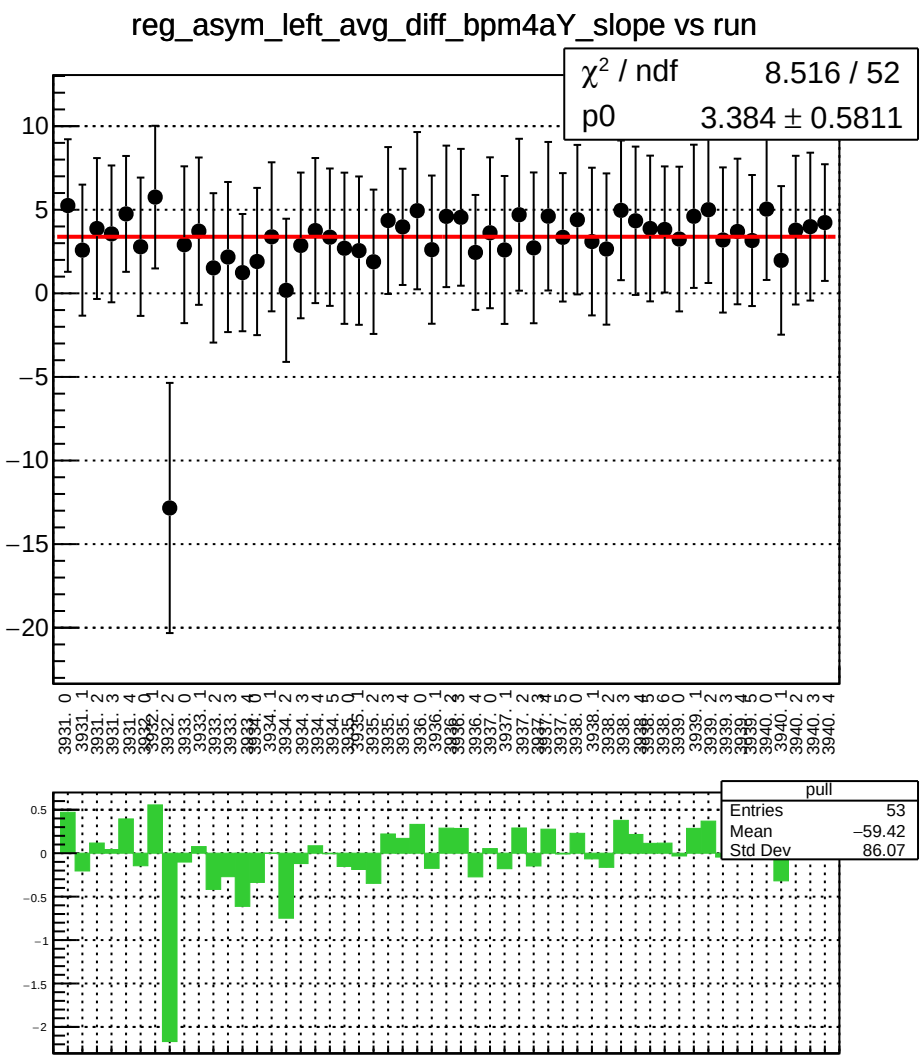

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.904 / 52
p0 3.18 ± 0.728
pull
Entries 53
Mean 386.8
Std Dev 388.3

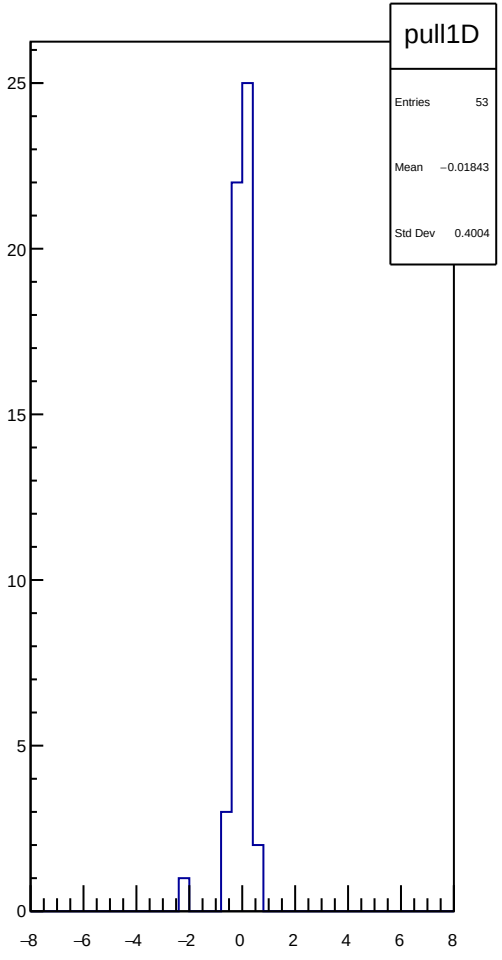

pull1D
Entries 53
Mean 0.0006355
Std Dev 0.2714

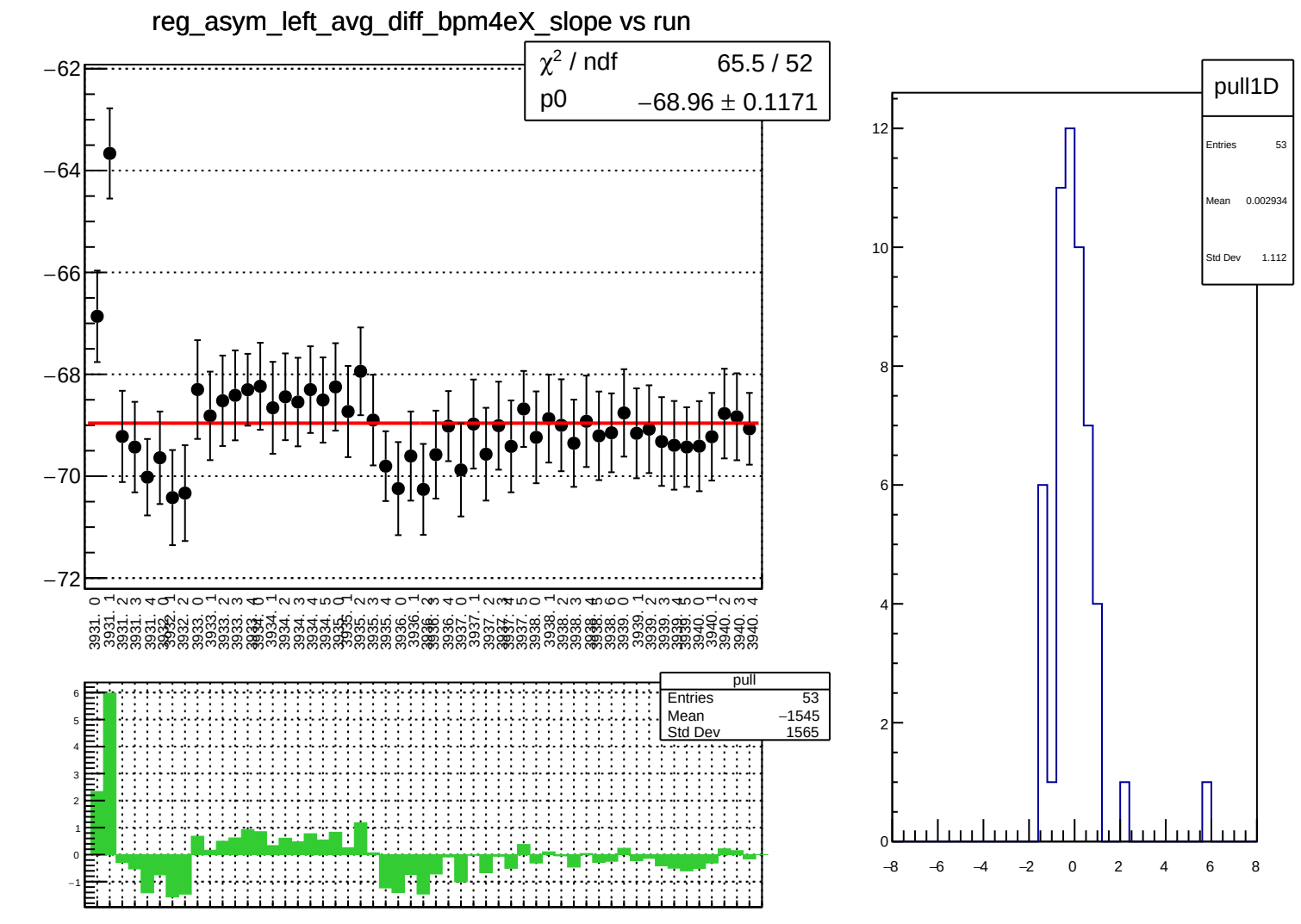

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 2.368 / 52
p0 2.995 ± 0.1136
pull
Entries 53
Mean 497.8
Std Dev 476.9

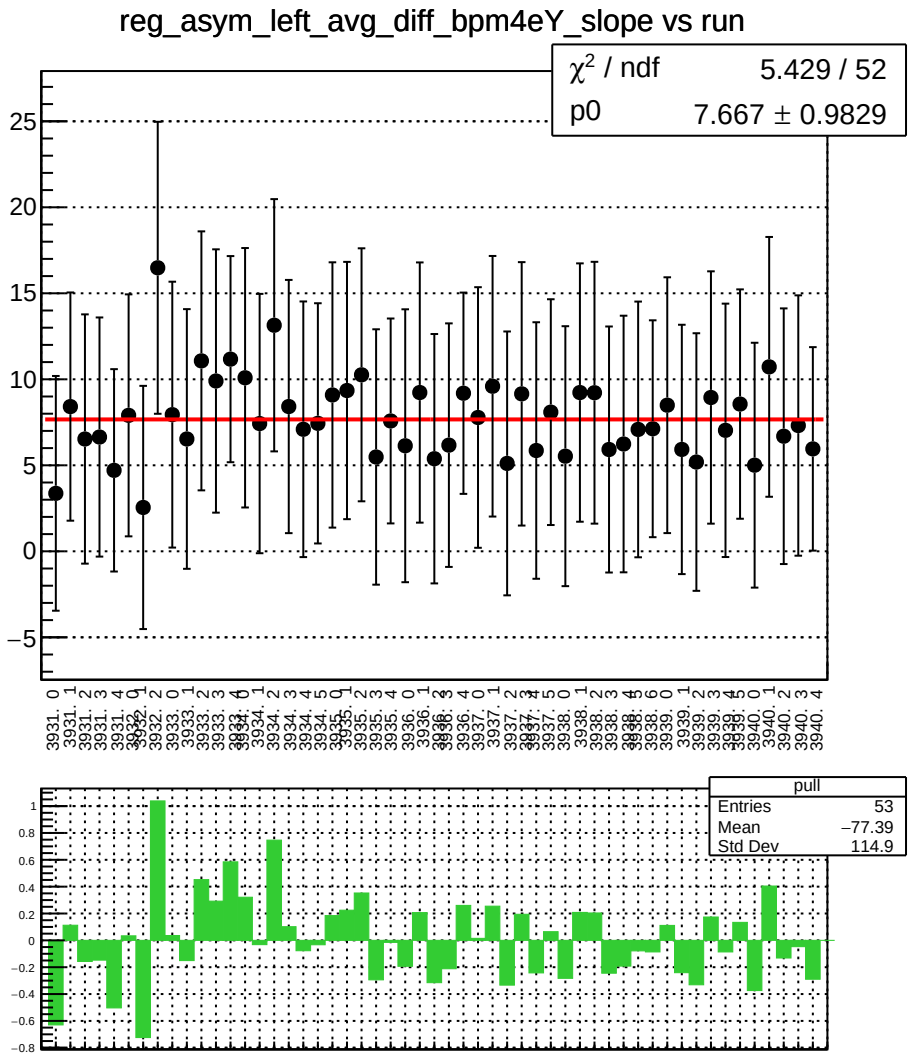

pull1D
Entries 53
Mean −0.001724
Std Dev 0.2114

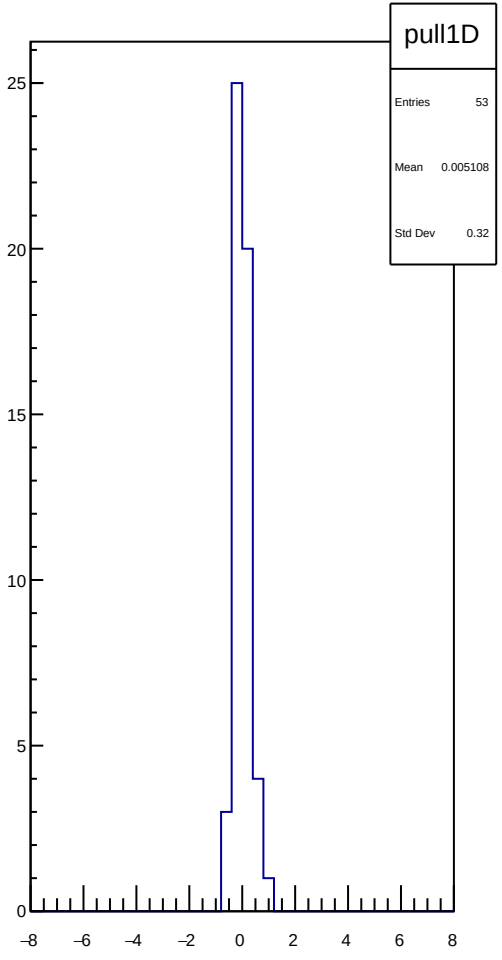

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 16.91 / 52
p0 23.53 ± 0.755
pull
Entries 53
Mean 7216
Std Dev 7192
pull1D
Entries 53
Mean −0.0003272
Std Dev 0.5649

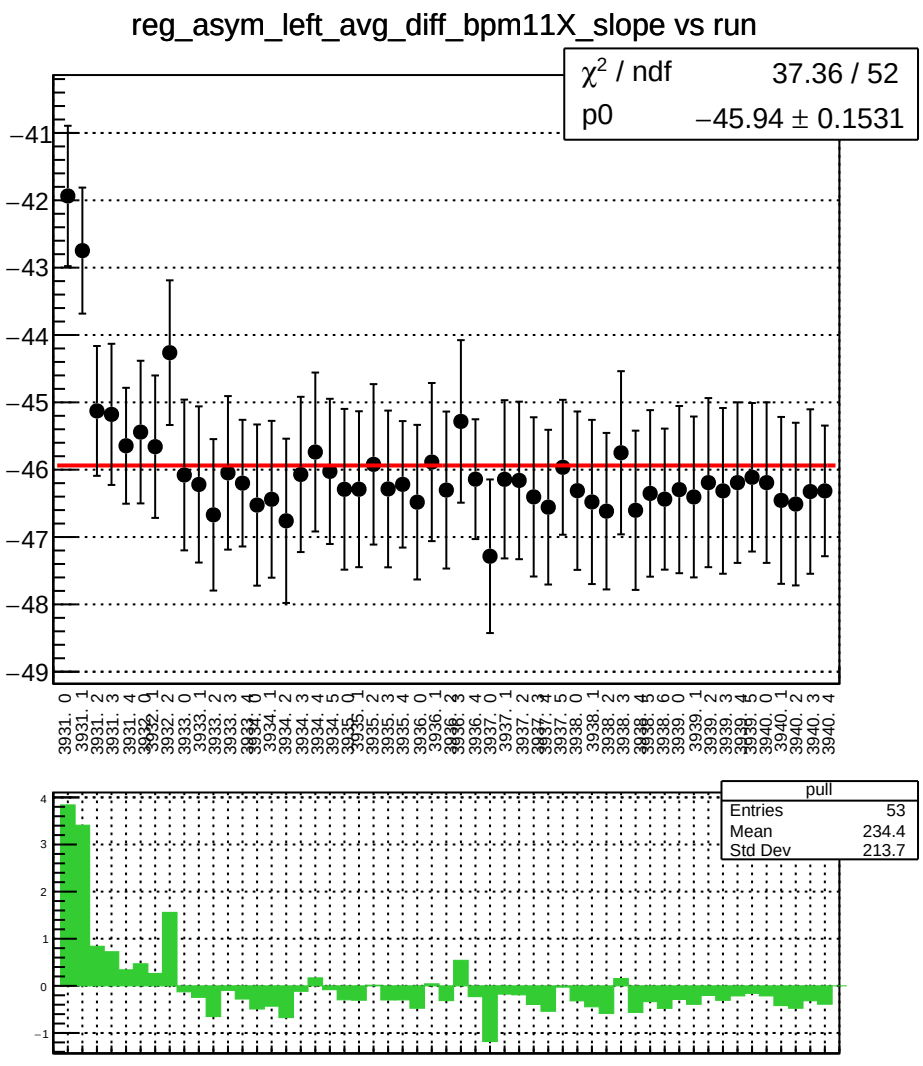

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.516 / 52
p0 3.384 ± 0.5811
pull
Entries 53
Mean −59.42
Std Dev 86.07

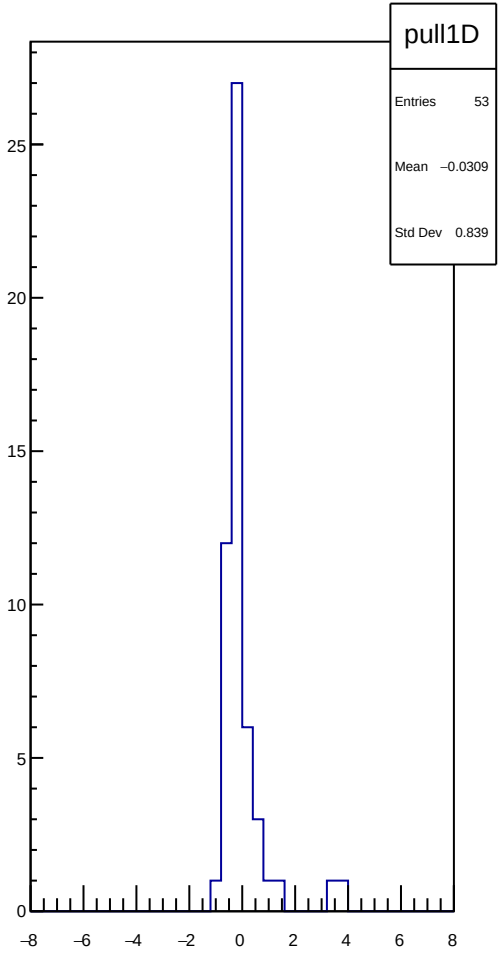

pull1D
Entries 53
Mean −0.01843
Std Dev 0.4004

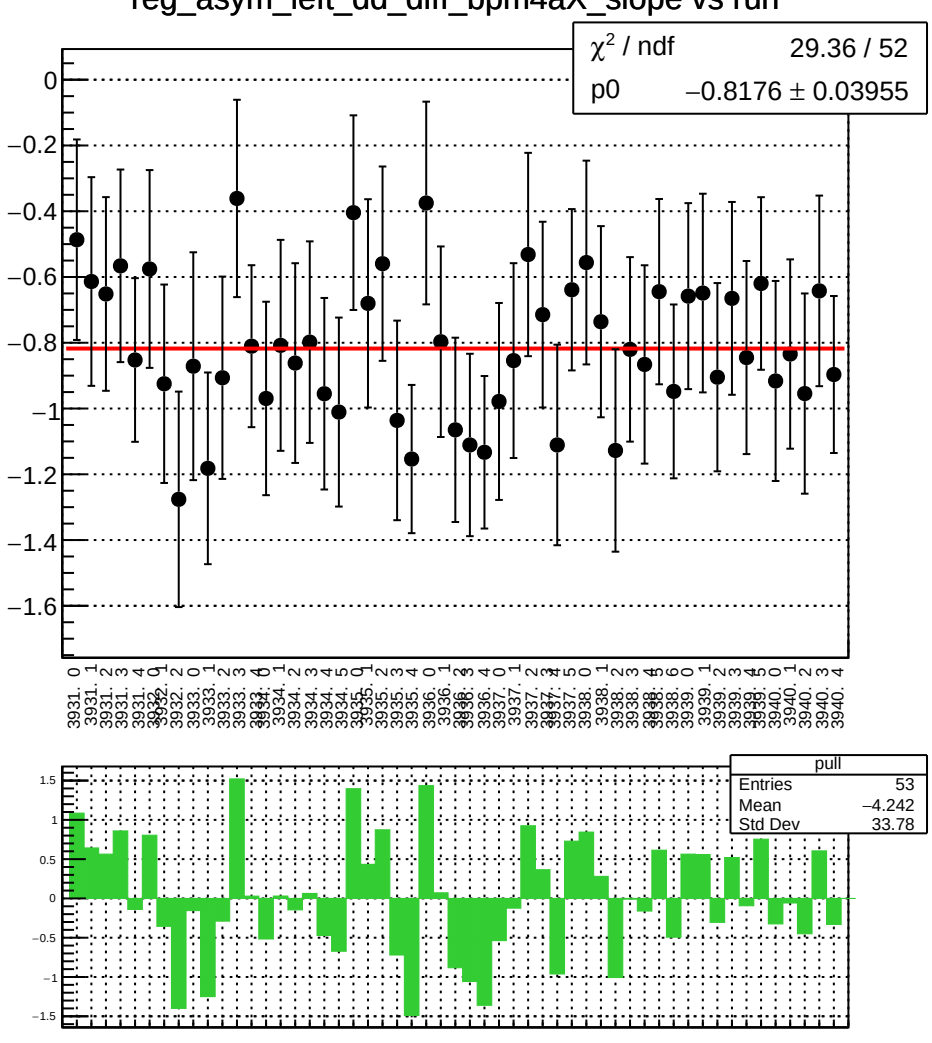

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.5 / 52
p0 −68.96 ± 0.1171
pull
Entries 53
Mean −1545
Std Dev 1565
pull1D
Entries 53
Mean 0.002934
Std Dev 1.112

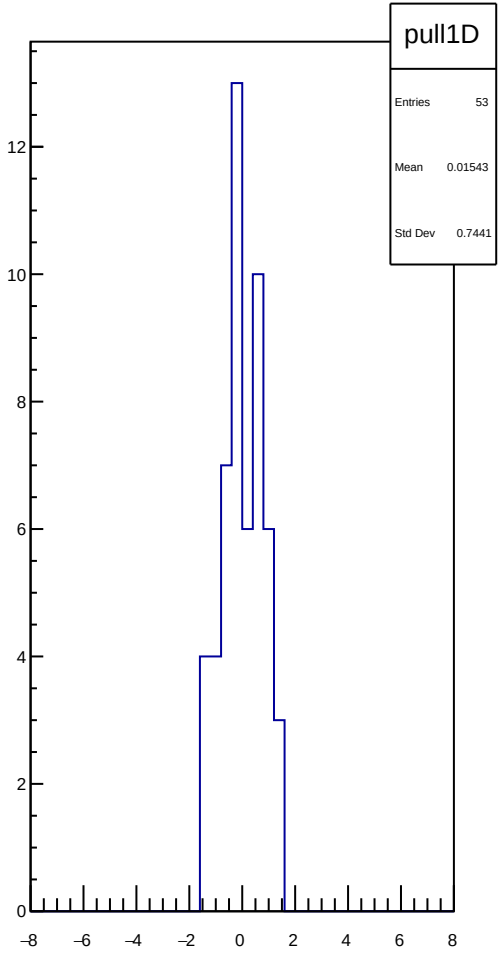

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.429 / 52
p0 7.667 ± 0.9829
pull
Entries 53
Mean −77.39
Std Dev 114.9

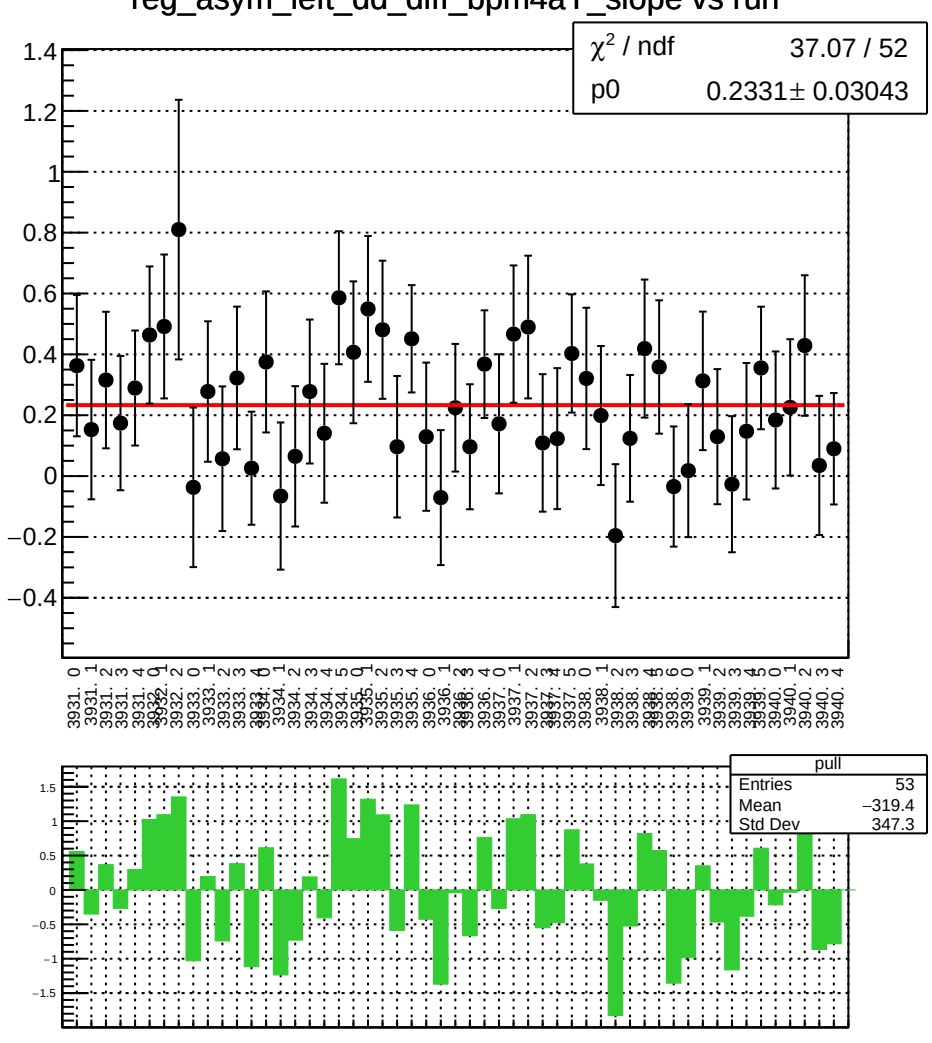

pull1D
Entries 53
Mean 0.005108
Std Dev 0.32

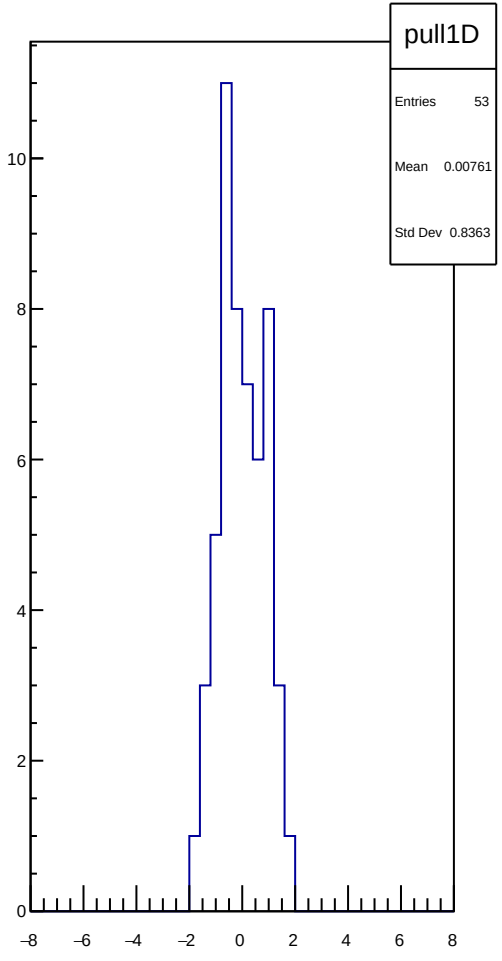

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 37.36 / 52
p0 −45.94 ± 0.1531
pull
Entries 53
Mean 234.4
Std Dev 213.7

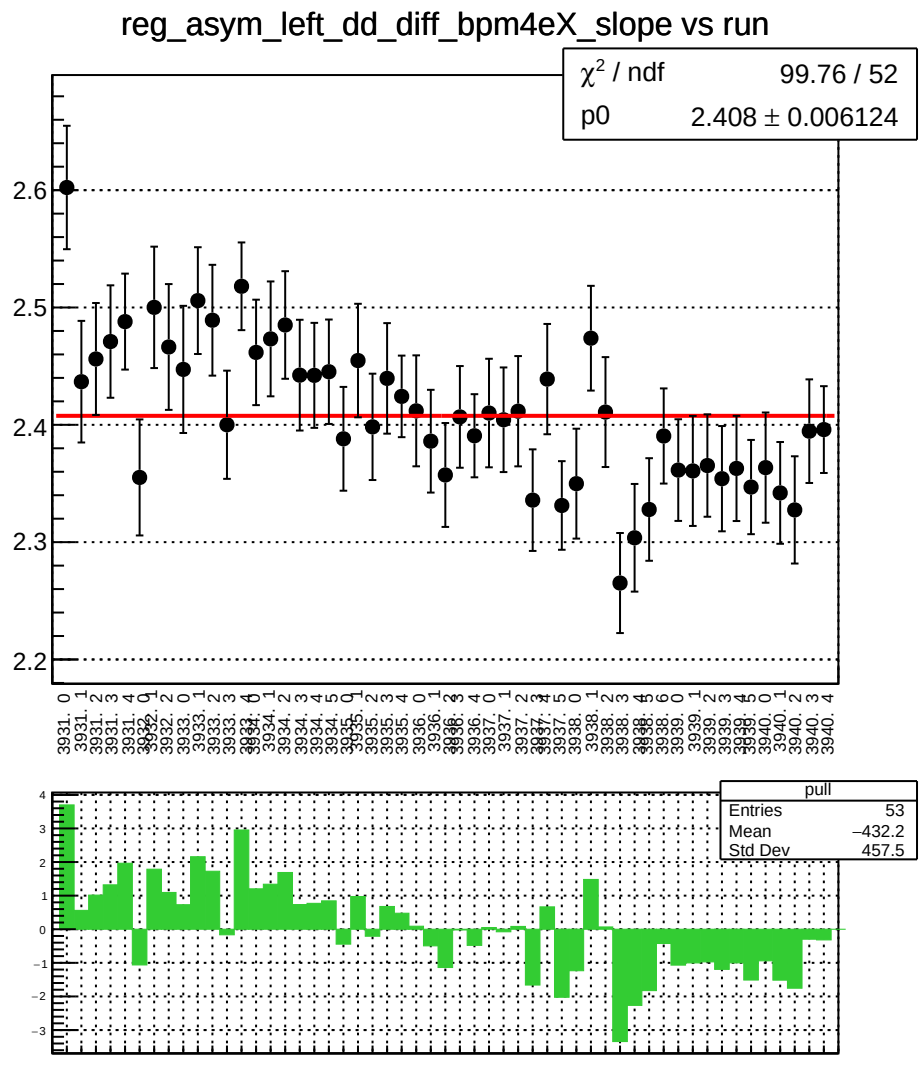

pull1D
Entries 53
Mean −0.0309
Std Dev 0.839

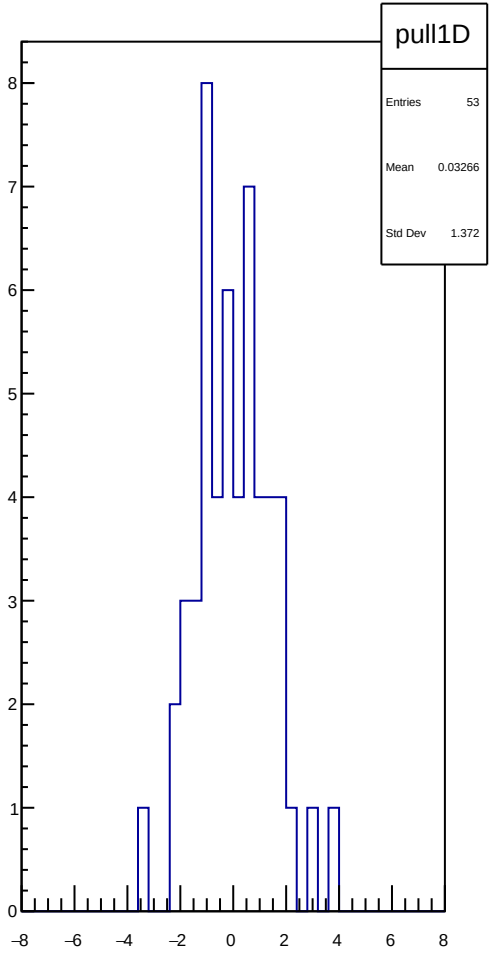

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 29.36 / 52
p0 −0.8176 ± 0.03955
pull
Entries 53
Mean −4.242
Std Dev 33.78

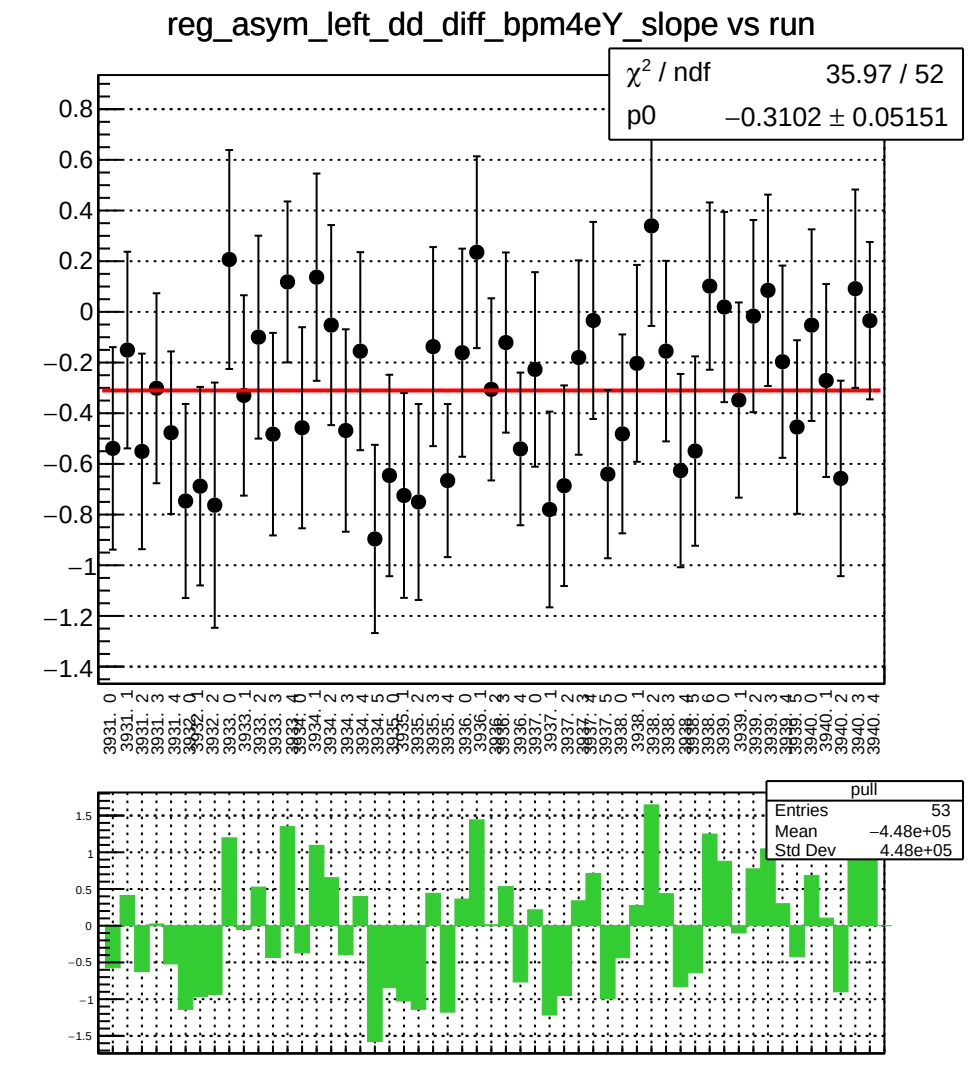

pull1D
Entries 53
Mean 0.01543
Std Dev 0.7441

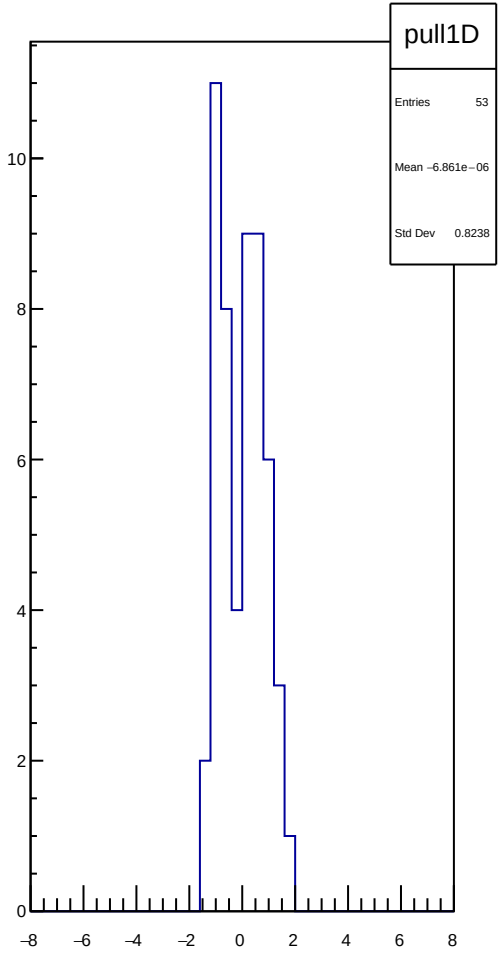

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.07 / 52
p0 0.2331± 0.03043
pull
Entries 53
Mean −319.4
Std Dev 347.3

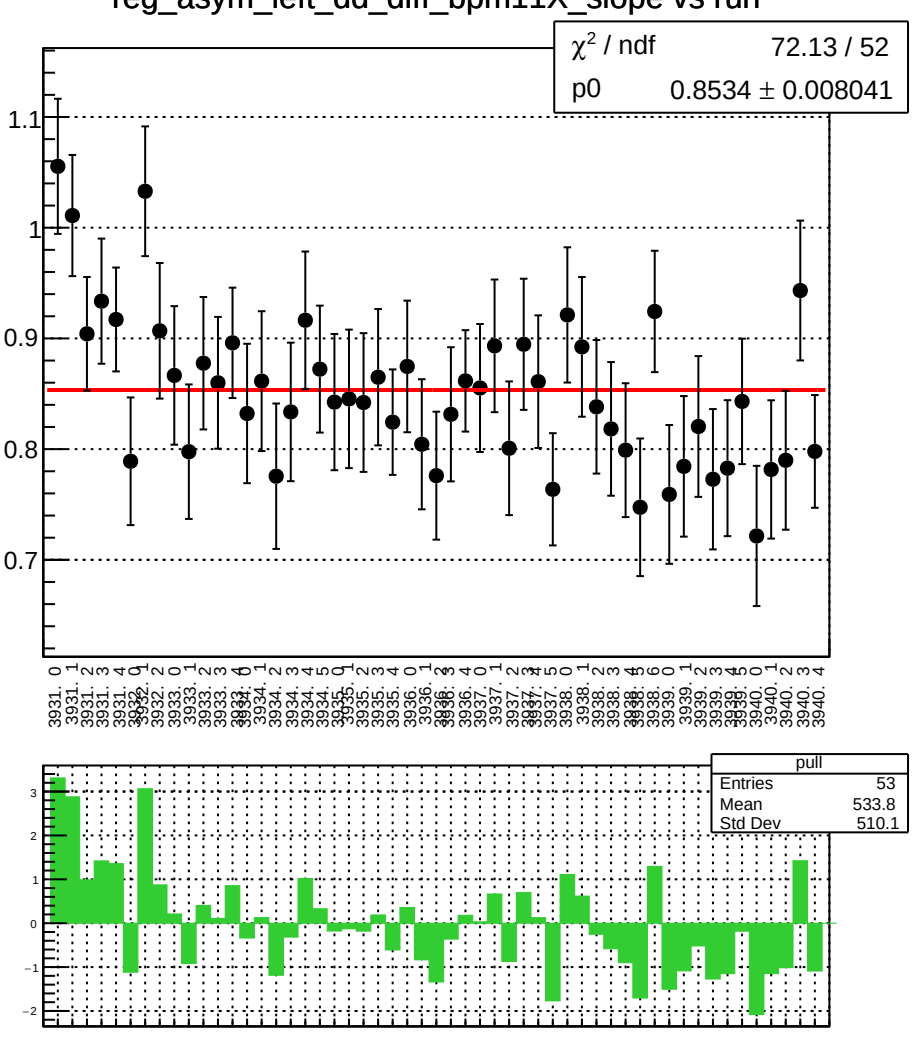

pull1D
Entries 53
Mean 0.00761
Std Dev 0.8363

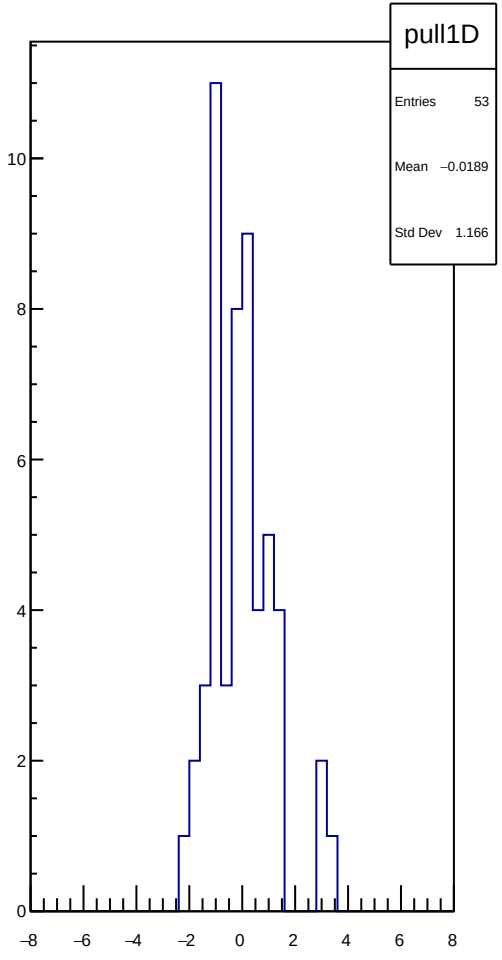

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 99.76 / 52
p0 2.408 ± 0.006124
pull
Entries 53
Mean −432.2
Std Dev 457.5

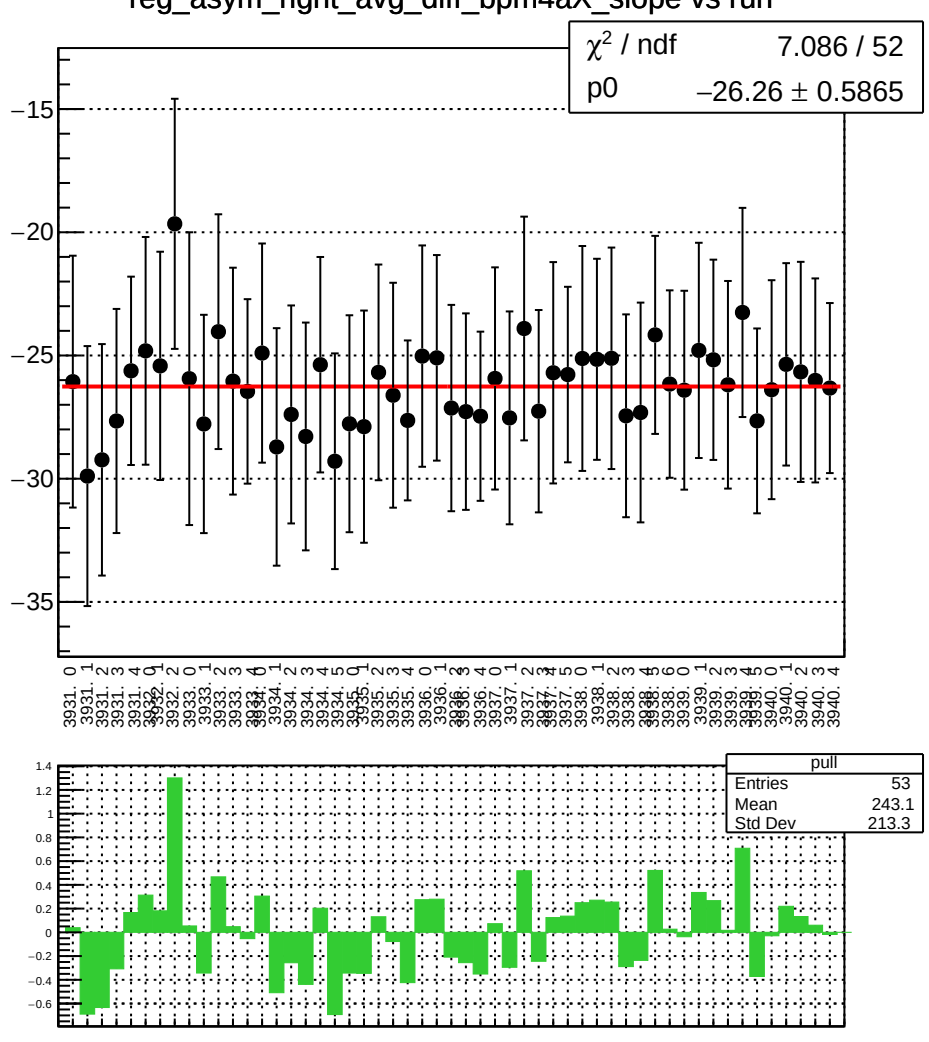

pull1D
Entries 53
Mean 0.03266
Std Dev 1.372

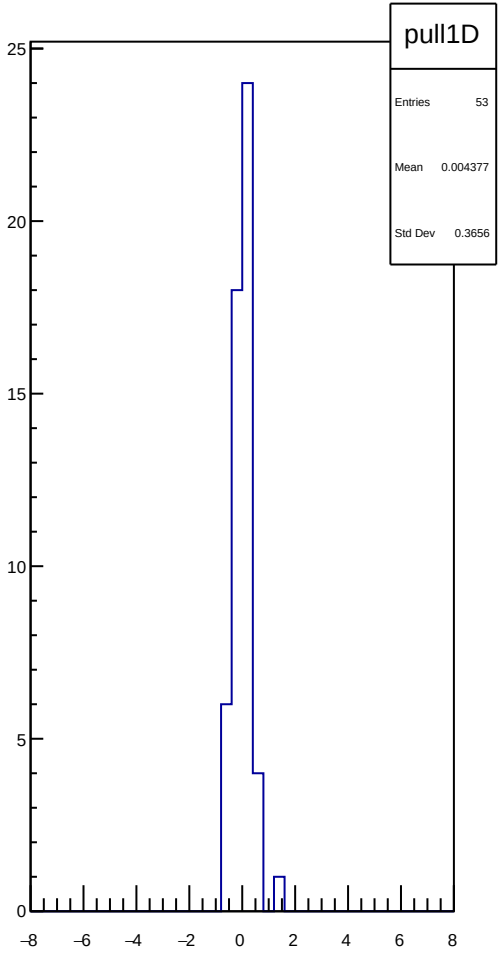

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.97 / 52
p0 −0.3102 ± 0.05151
pull
Entries 53
Mean −4.48e+05
Std Dev 4.48e+05

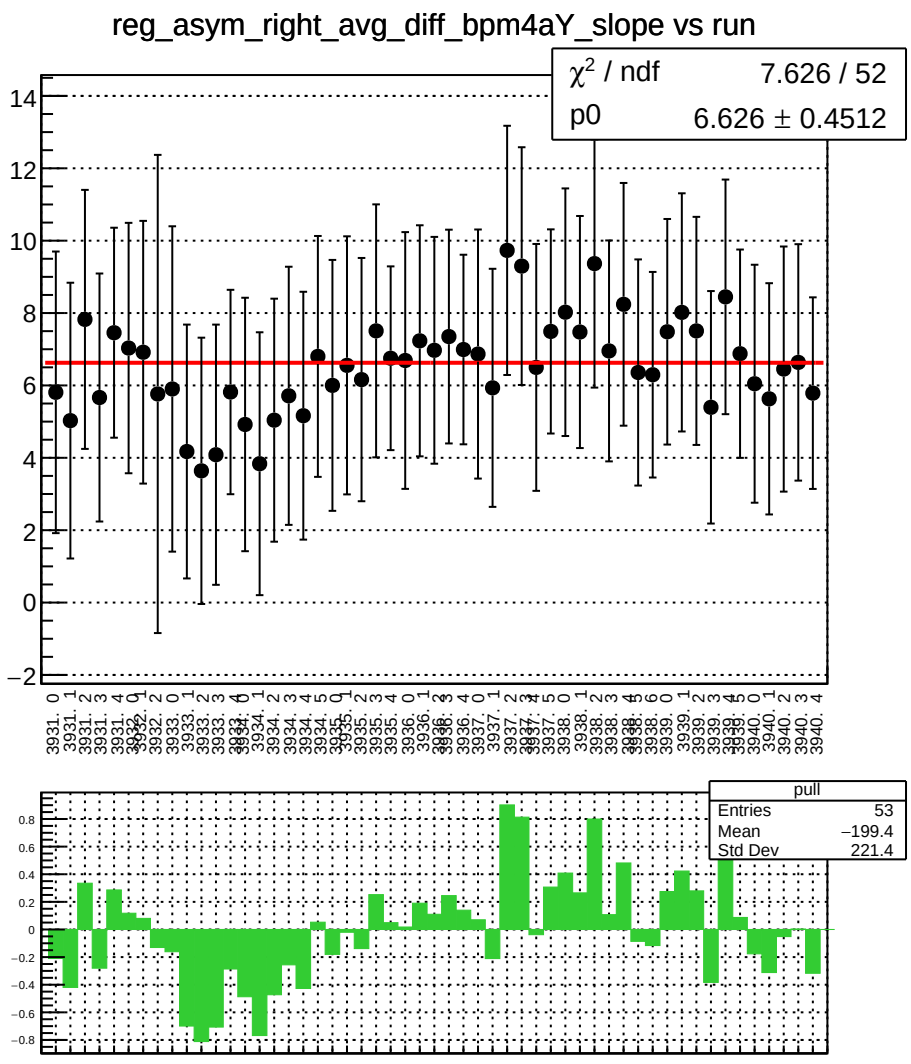

pull1D
Entries 53
Mean −6.861e−06
Std Dev 0.8238

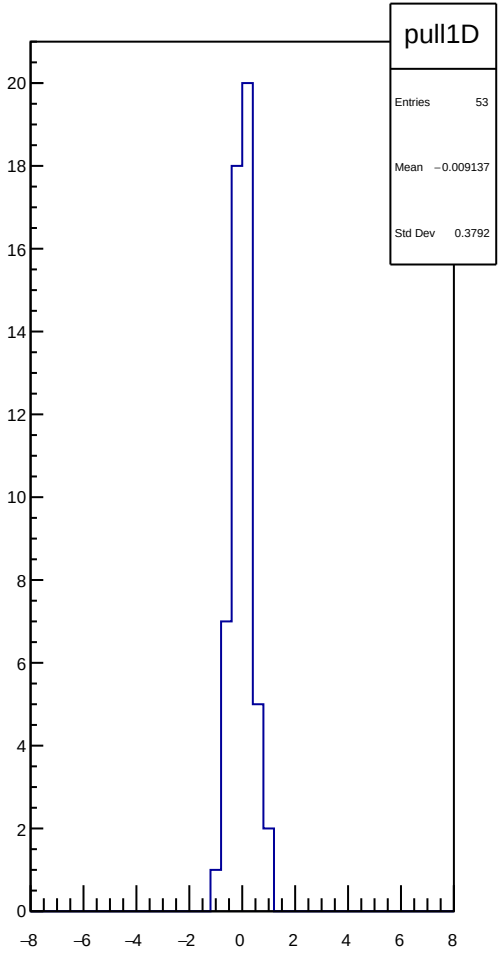

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 72.13 / 52
p0 0.8534 ± 0.008041
pull
Entries 53
Mean 533.8
Std Dev 510.1

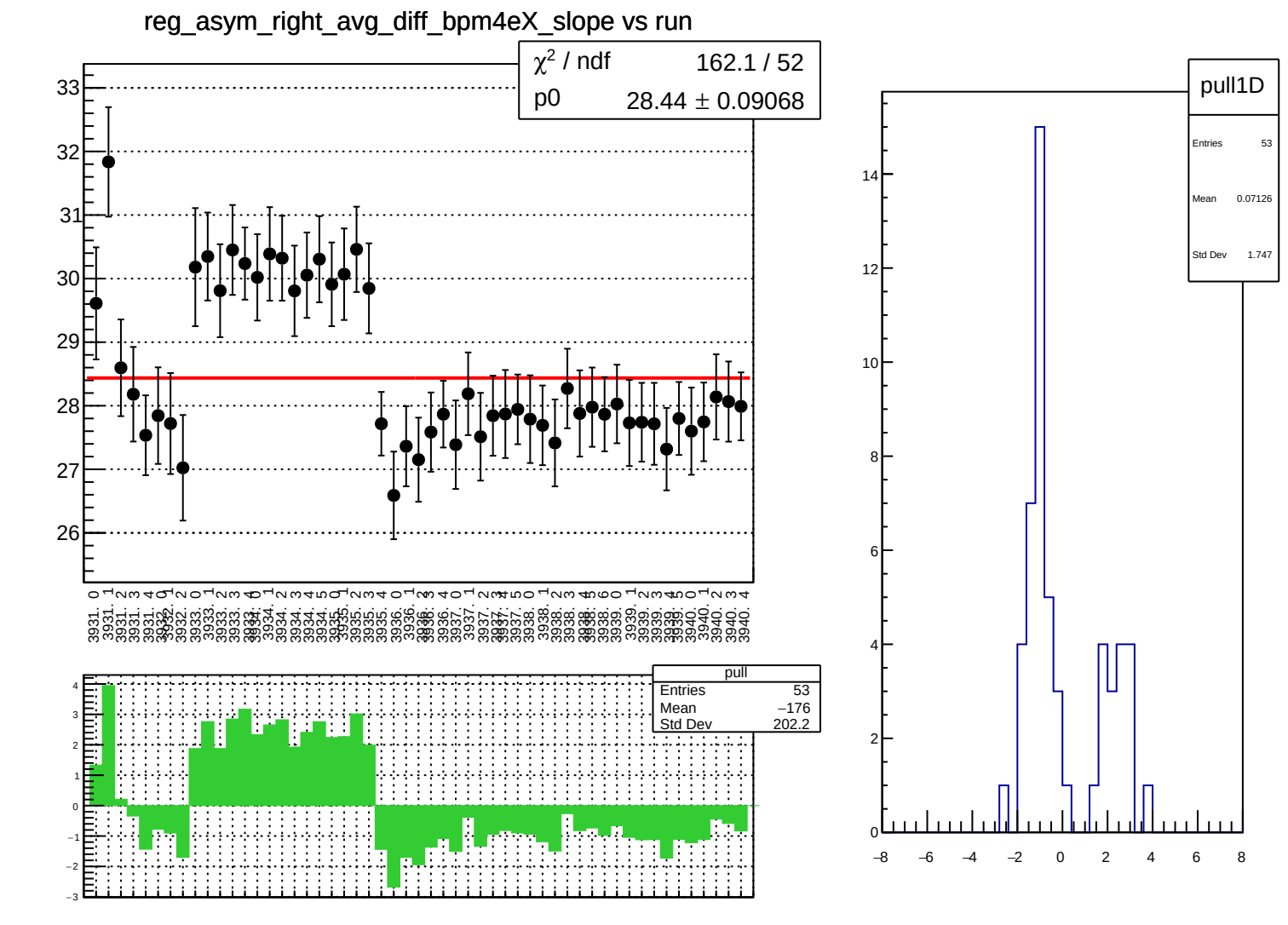

pull1D
Entries 53
Mean −0.0189
Std Dev 1.166

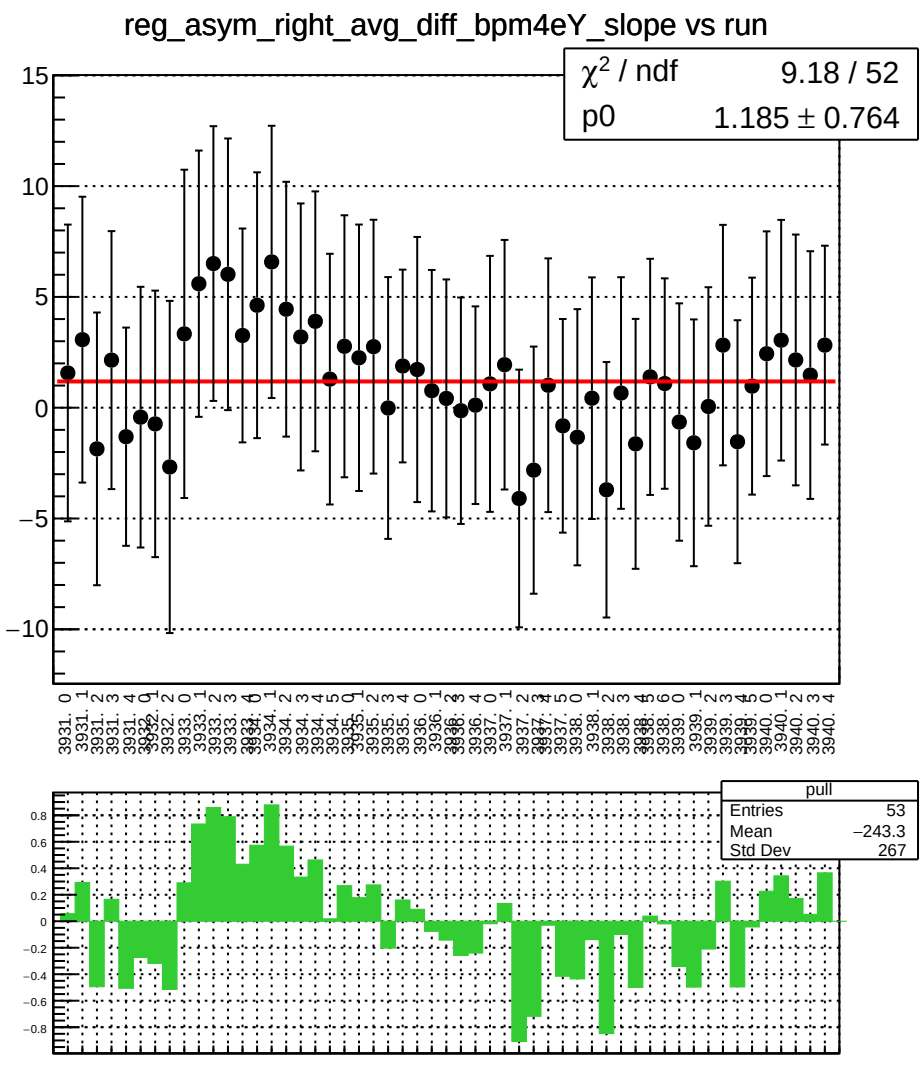

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.086 / 52
p0 −26.26 ± 0.5865
pull
Entries 53
Mean 243.1
Std Dev 213.3

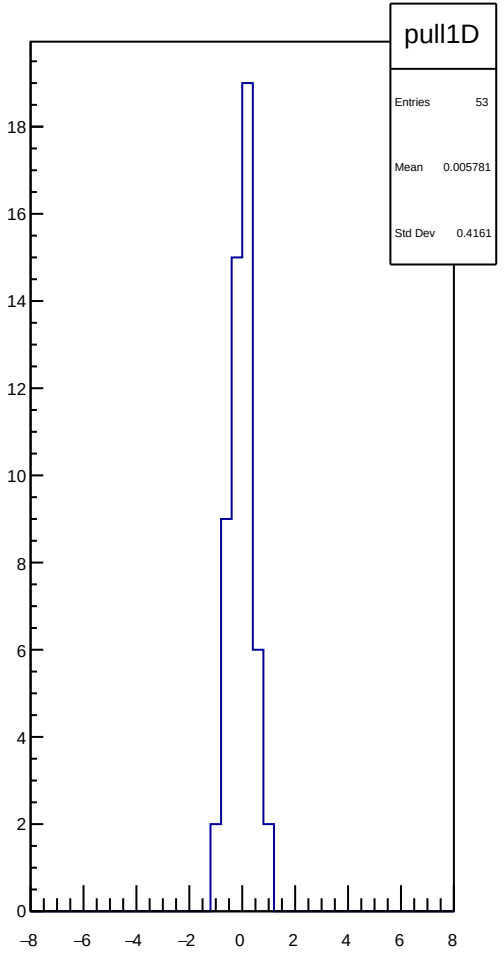

pull1D
Entries 53
Mean 0.004377
Std Dev 0.3656

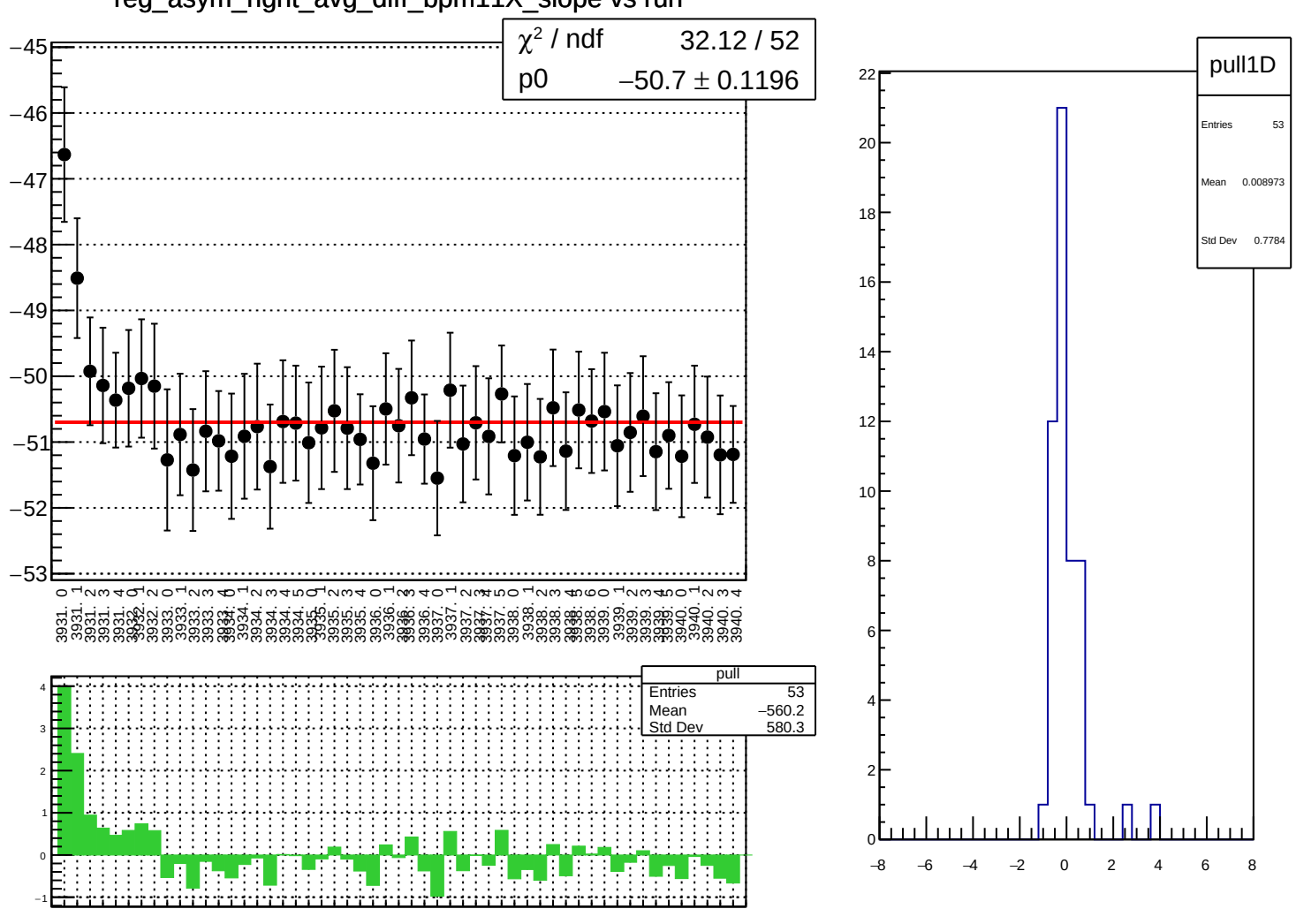

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.626 / 52
p0 6.626 ± 0.4512
pull
Entries 53
Mean −199.4
Std Dev 221.4

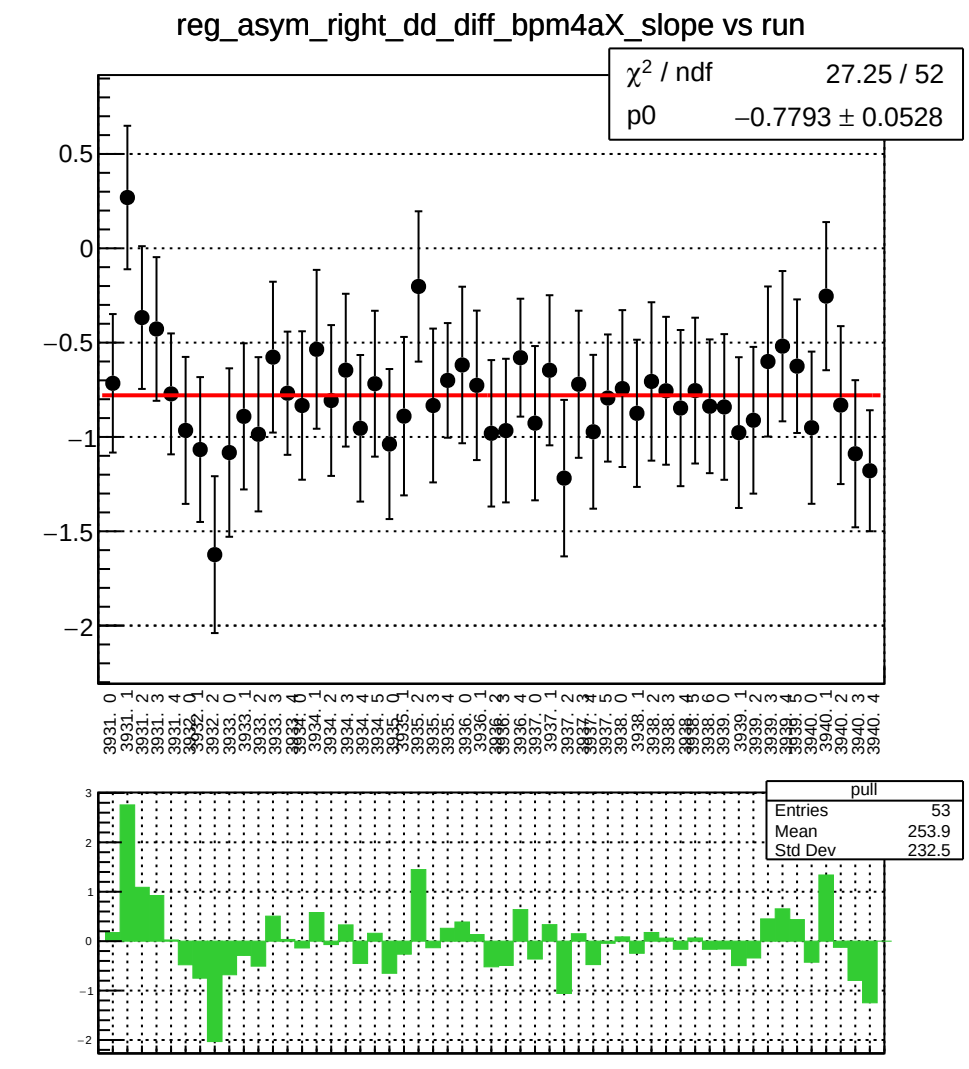

pull1D
Entries 53
Mean −0.009137
Std Dev 0.3792

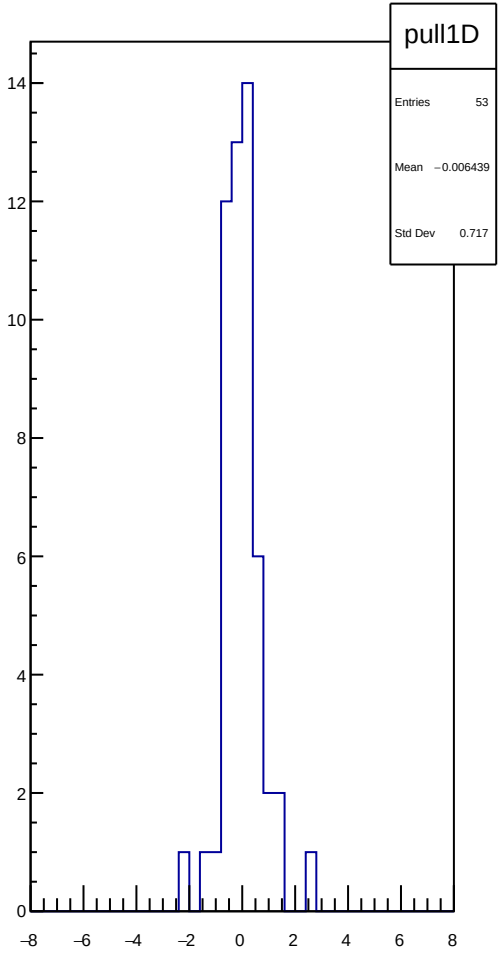

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 162.1 / 52
p0 28.44 ± 0.09068
pull
Entries 53
Mean −176
Std Dev 202.2
pull1D
Entries 53
Mean 0.07126
Std Dev 1.747

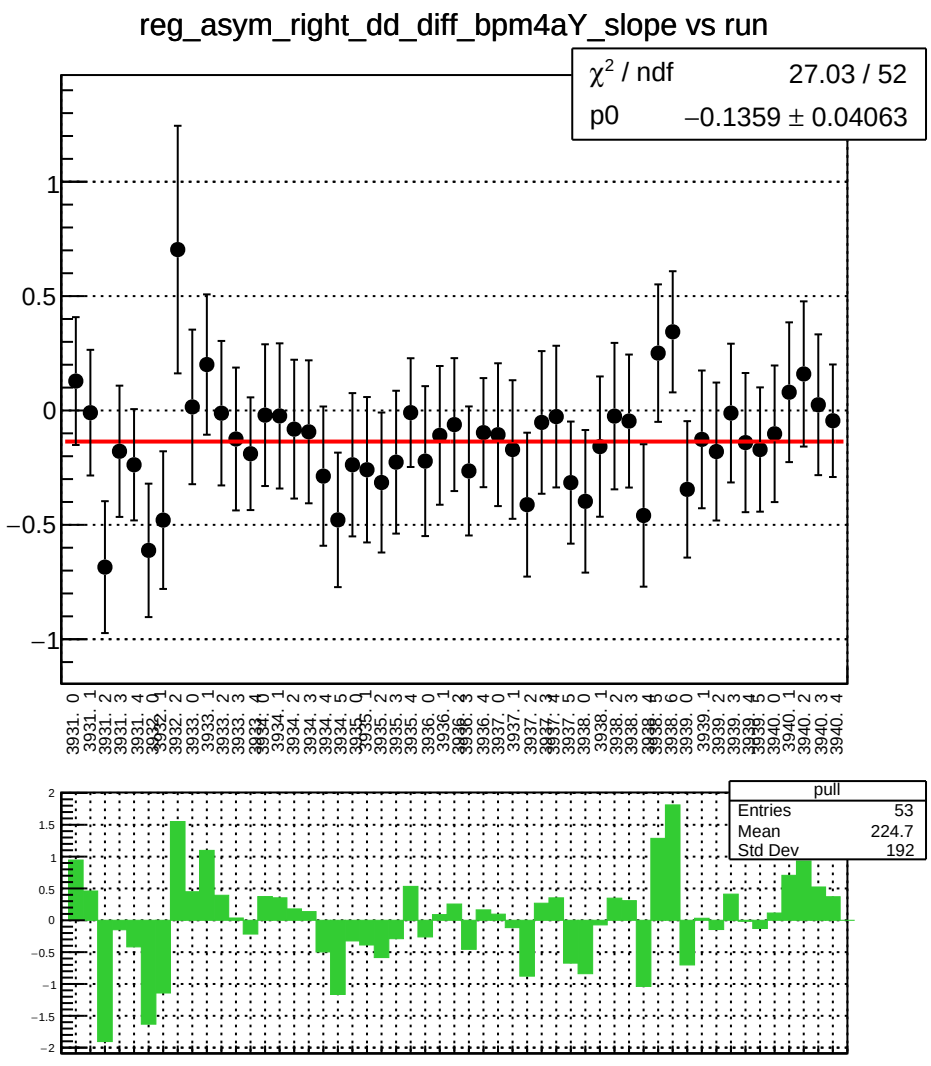

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.18 / 52
p0 1.185 ± 0.764
pull
Entries 53
Mean −243.3
Std Dev 267

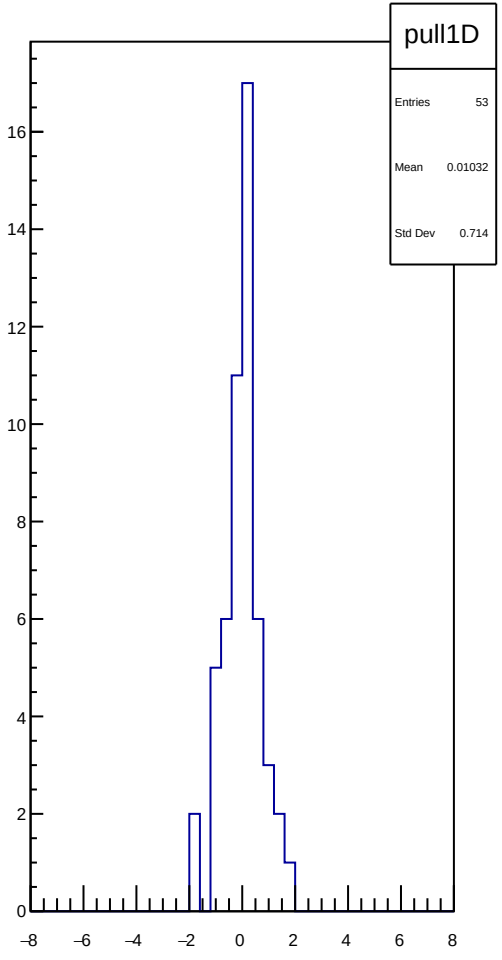

pull1D
Entries 53
Mean 0.005781
Std Dev 0.4161

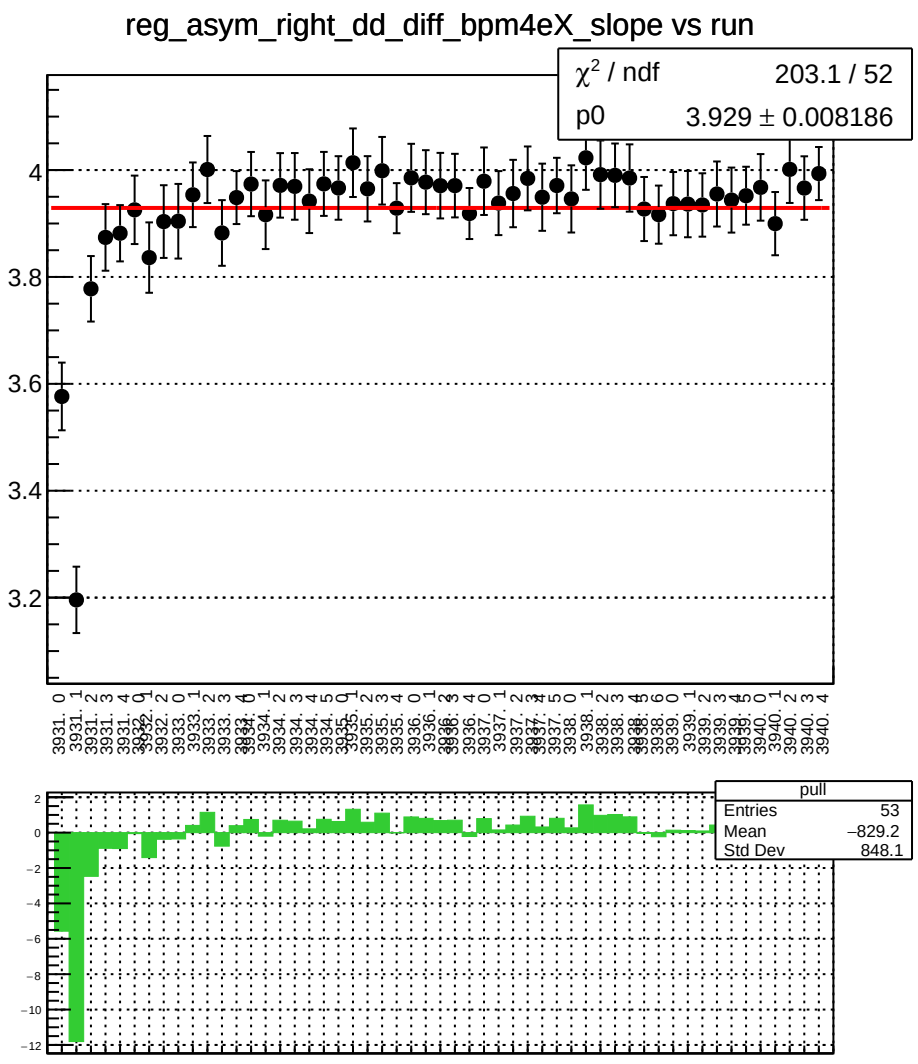

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 32.12 / 52
p0 −50.7 ± 0.1196
pull
Entries 53
Mean −560.2
Std Dev 580.3
pull1D
Entries 53
Mean 0.008973
Std Dev 0.7784

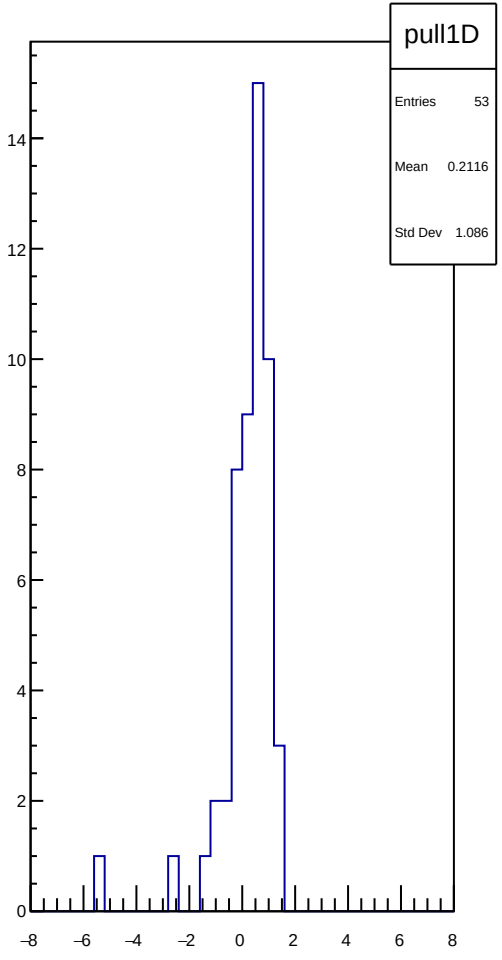

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 27.25 / 52
p0 −0.7793 ± 0.0528
pull
Entries 53
Mean 253.9
Std Dev 232.5

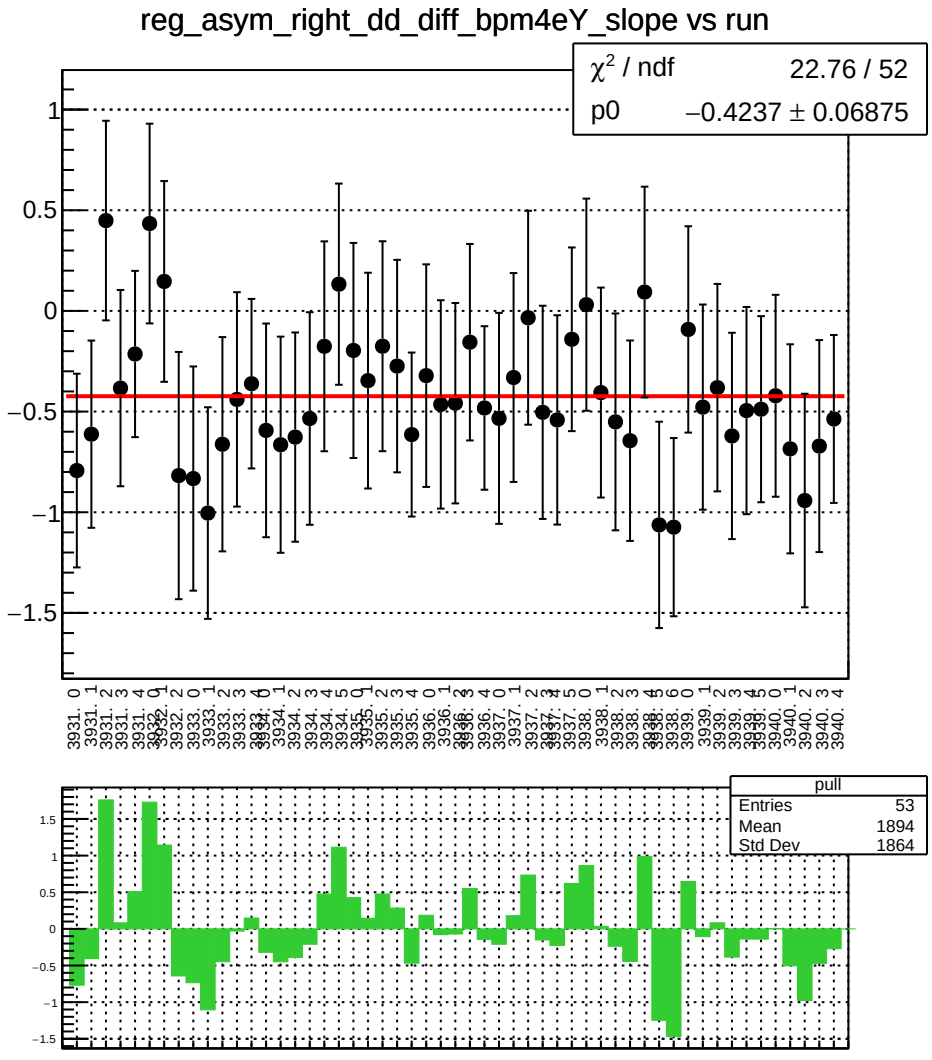

pull1D
Entries 53
Mean −0.006439
Std Dev 0.717

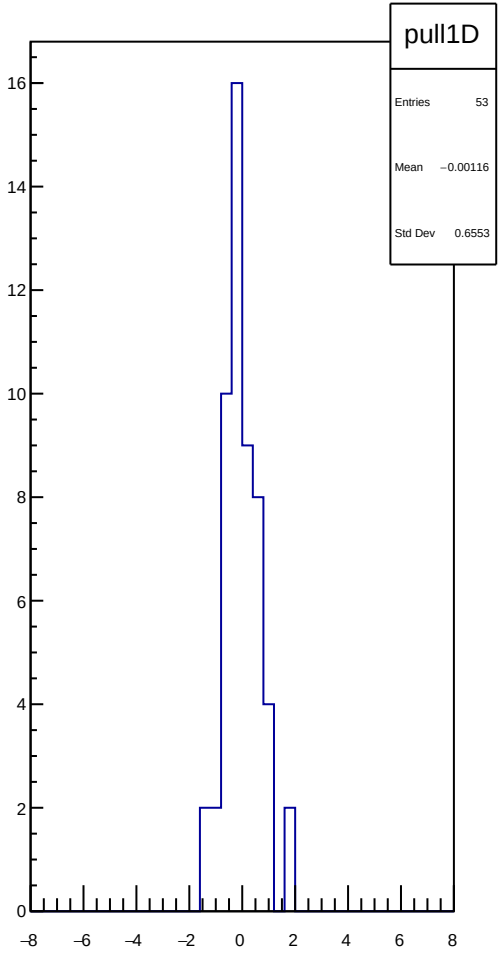

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.03 / 52
p0 −0.1359 ± 0.04063
pull
Entries 53
Mean 224.7
Std Dev 192

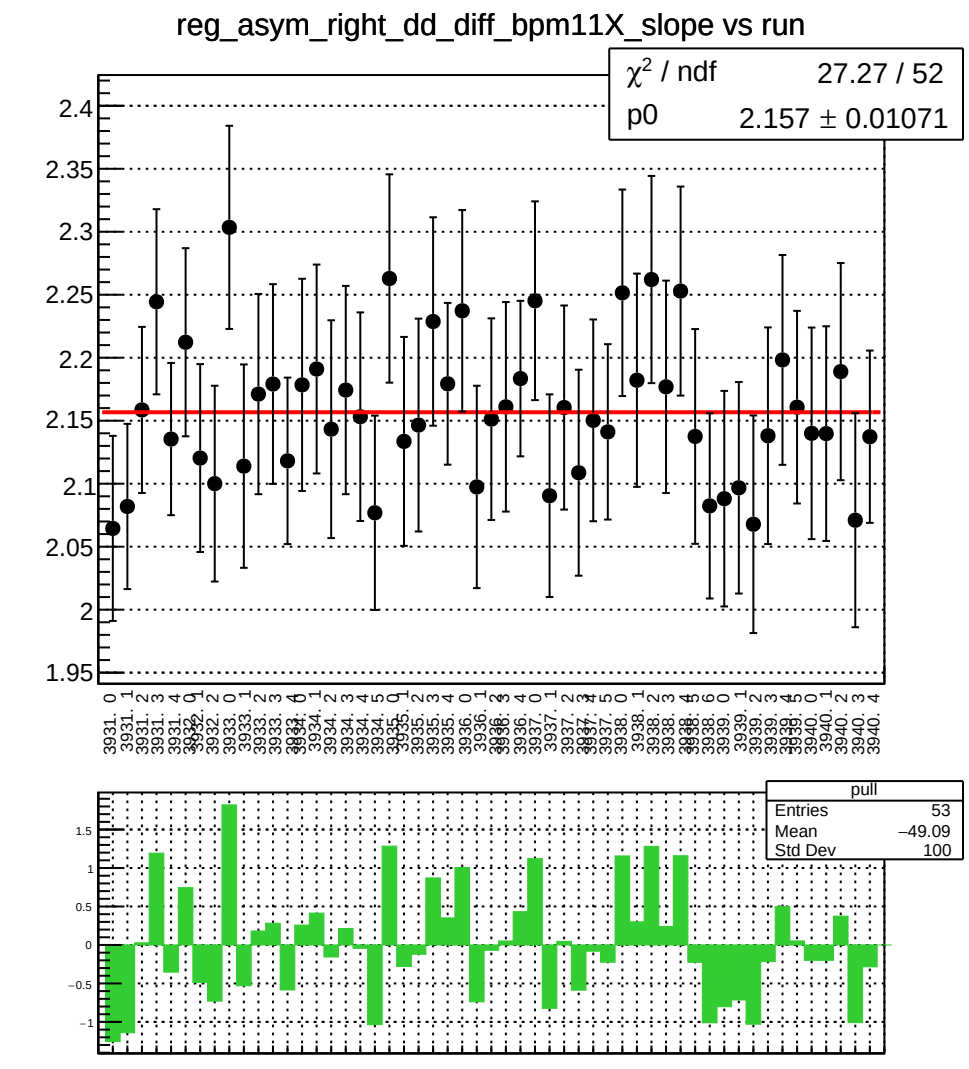

pull1D
Entries 53
Mean 0.01032
Std Dev 0.714

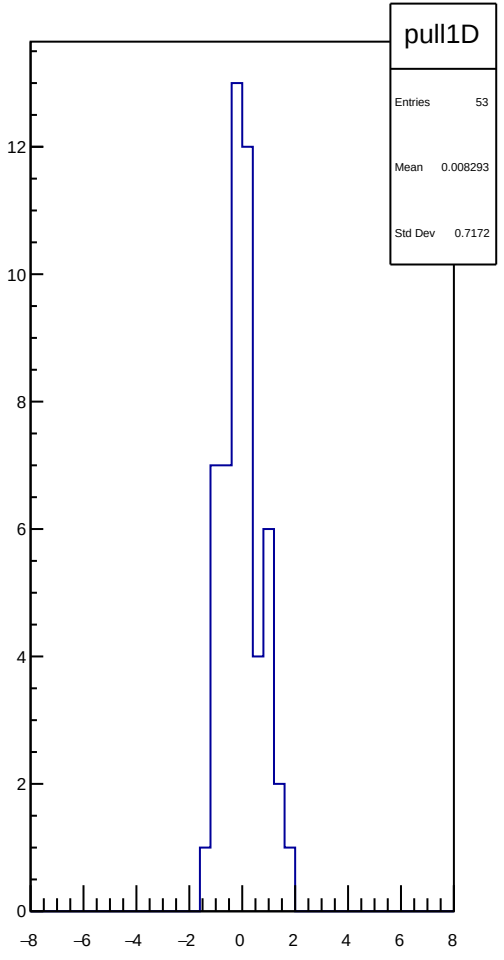

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 203.1 / 52
p0 3.929 ± 0.008186
pull
Entries 53
Mean −829.2
Std Dev 848.1

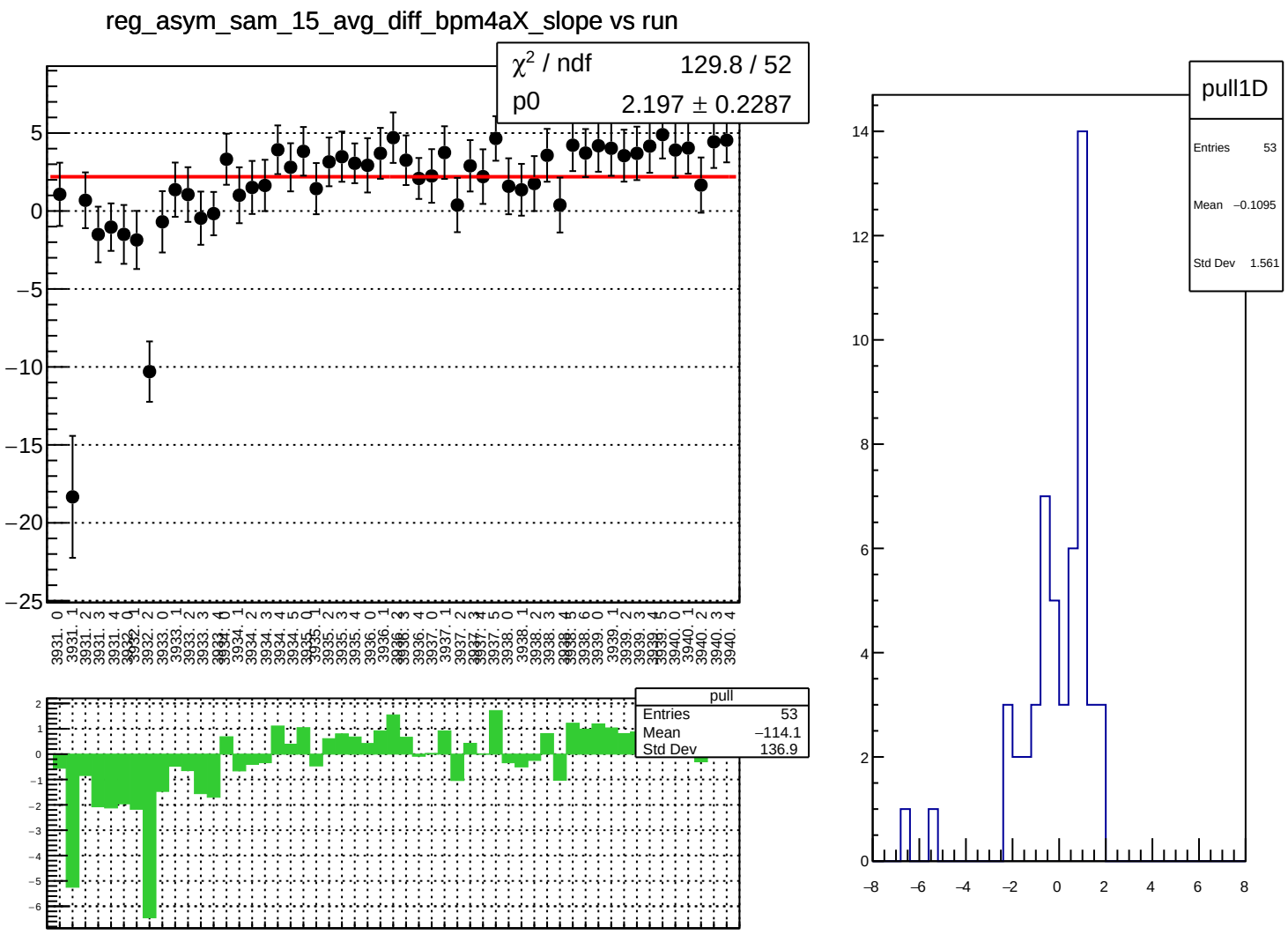

pull1D
Entries 53
Mean 0.2116
Std Dev 1.086

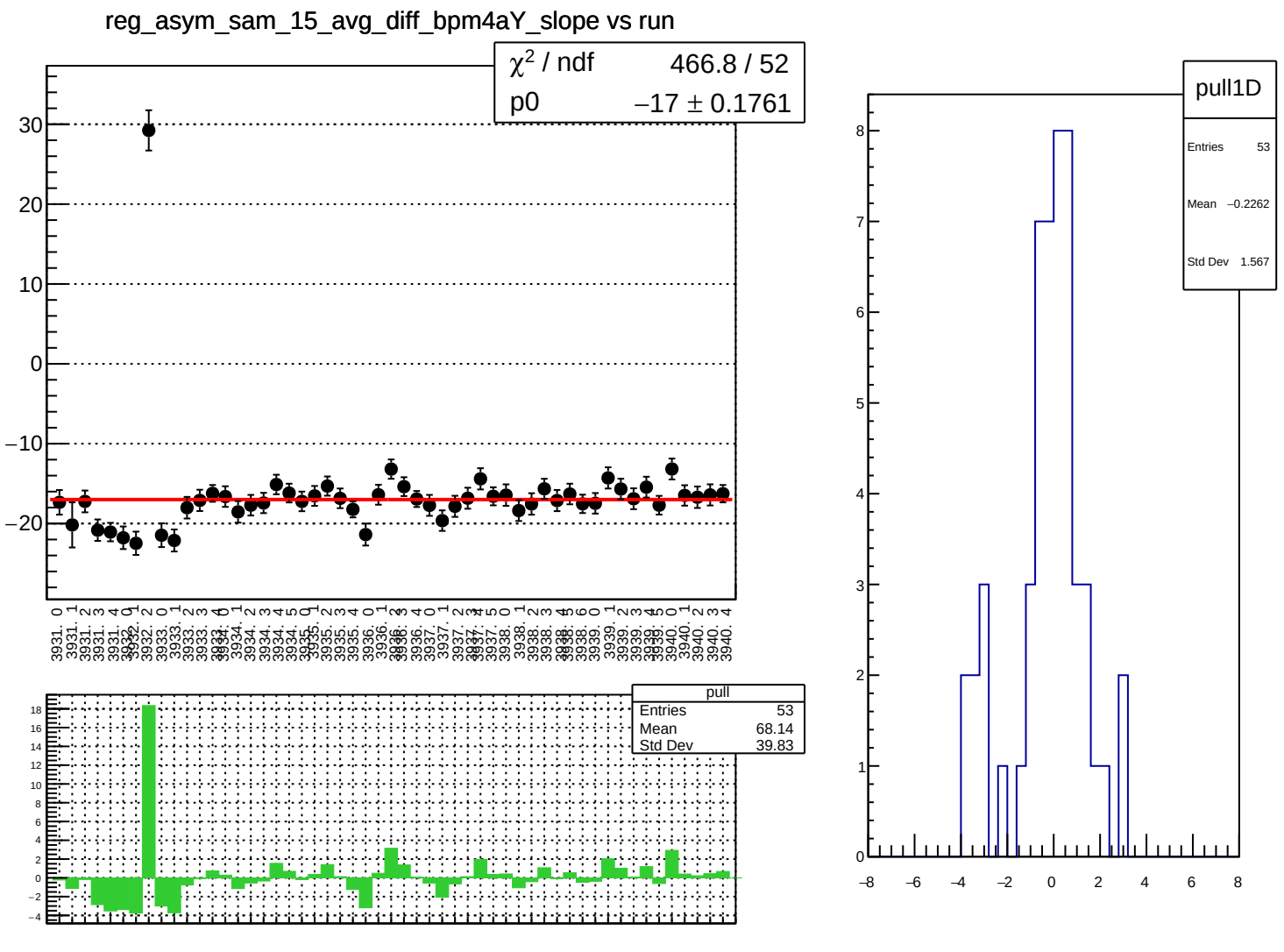

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.76 / 52
p0 −0.4237 ± 0.06875
pull
Entries 53
Mean 1894
Std Dev 1864

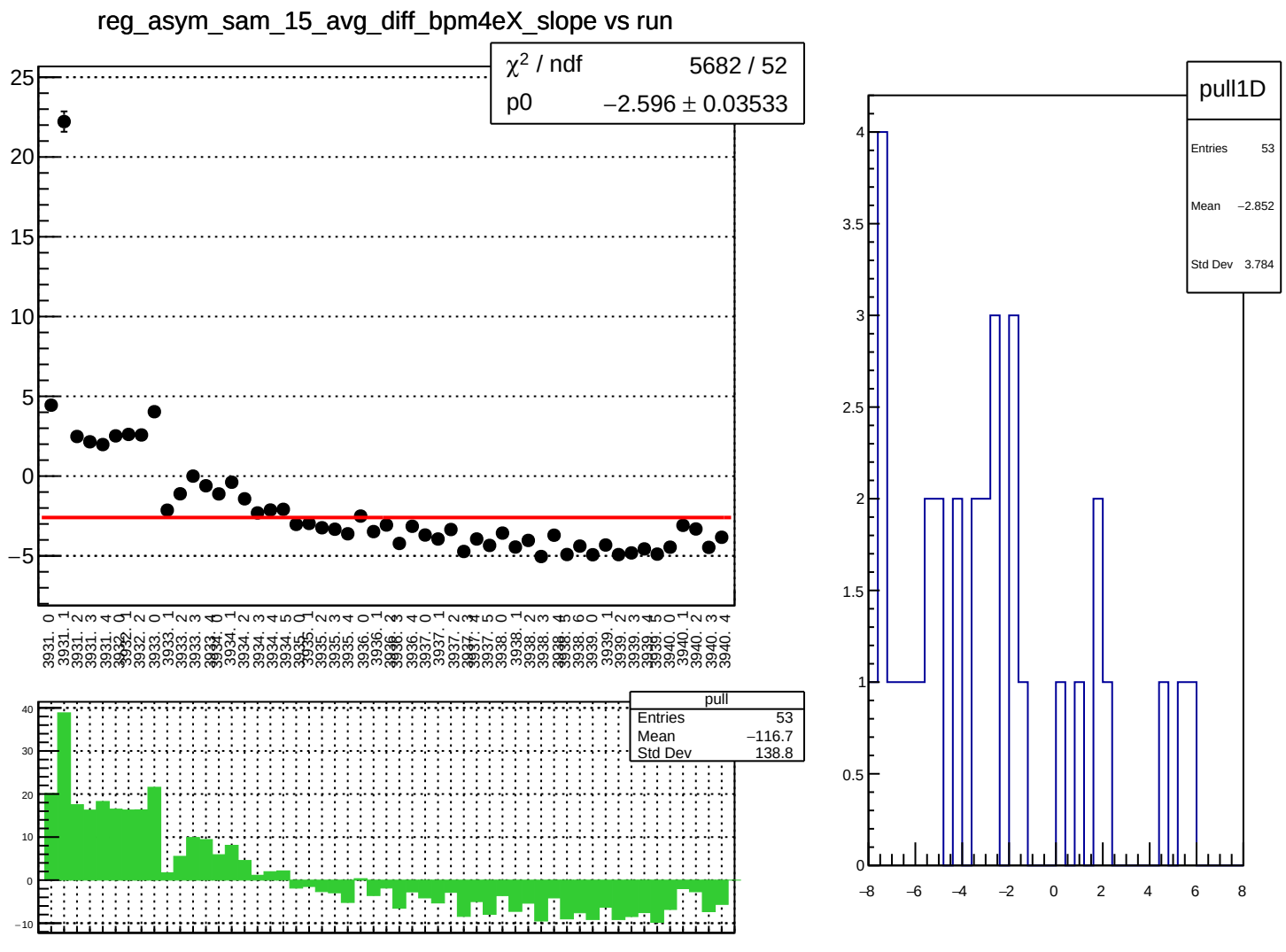

pull1D
Entries 53
Mean −0.00116
Std Dev 0.6553

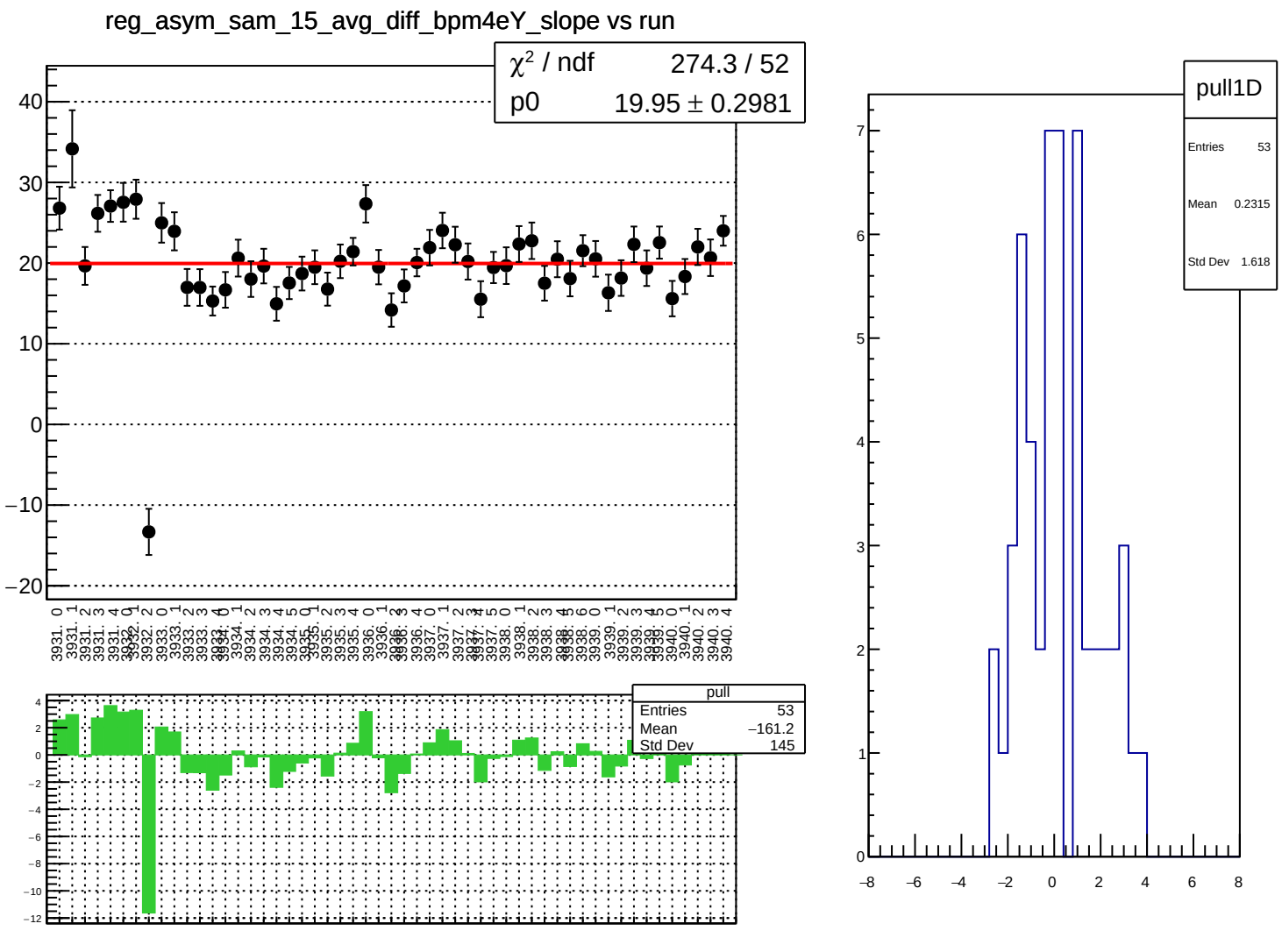

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 27.27 / 52
p0 2.157 ± 0.01071
pull
Entries 53
Mean −49.09
Std Dev 100

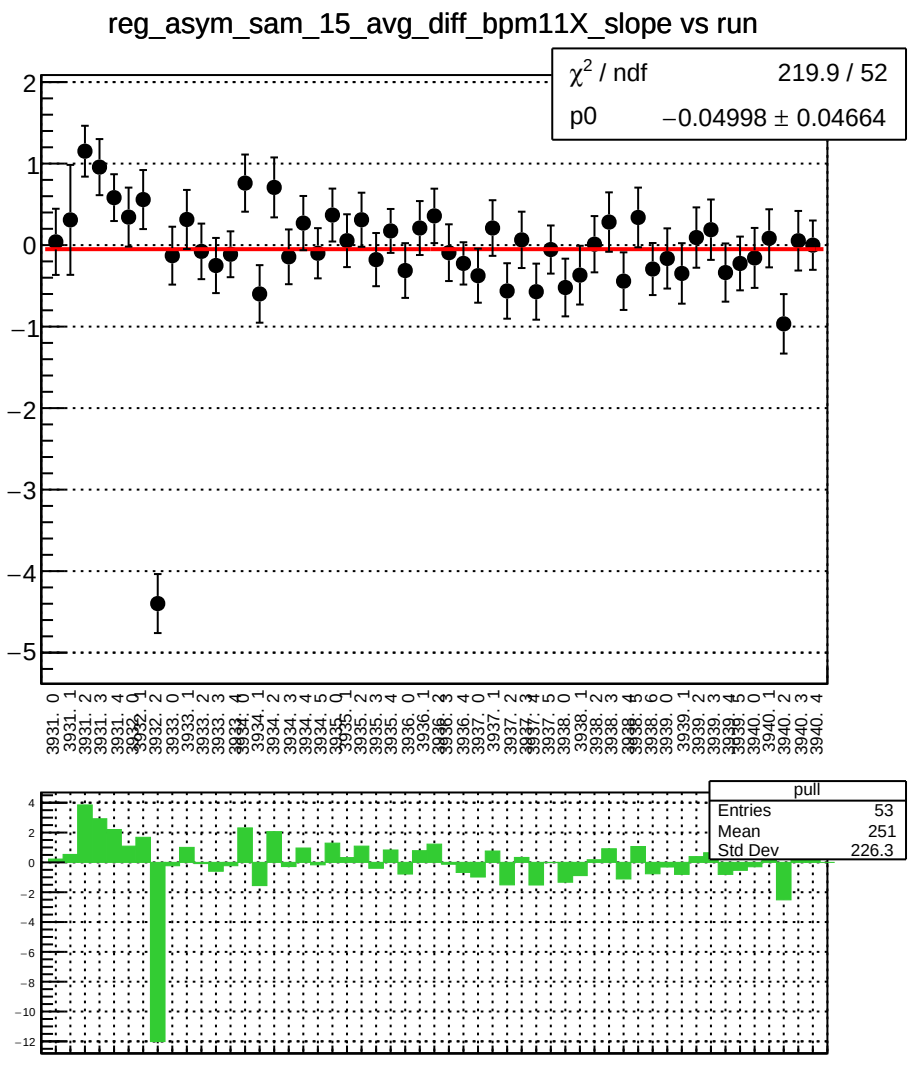

pull1D
Entries 53
Mean 0.008293
Std Dev 0.7172

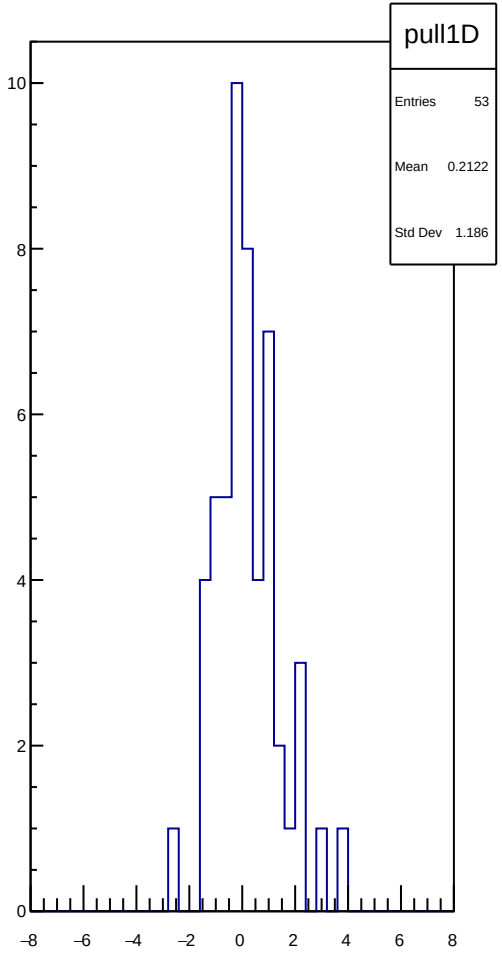

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 129.8 / 52
p0 2.197 ± 0.2287
pull
Entries 53
Mean −114.1
Std Dev 136.9
pull1D
Entries 53
Mean −0.1095
Std Dev 1.561

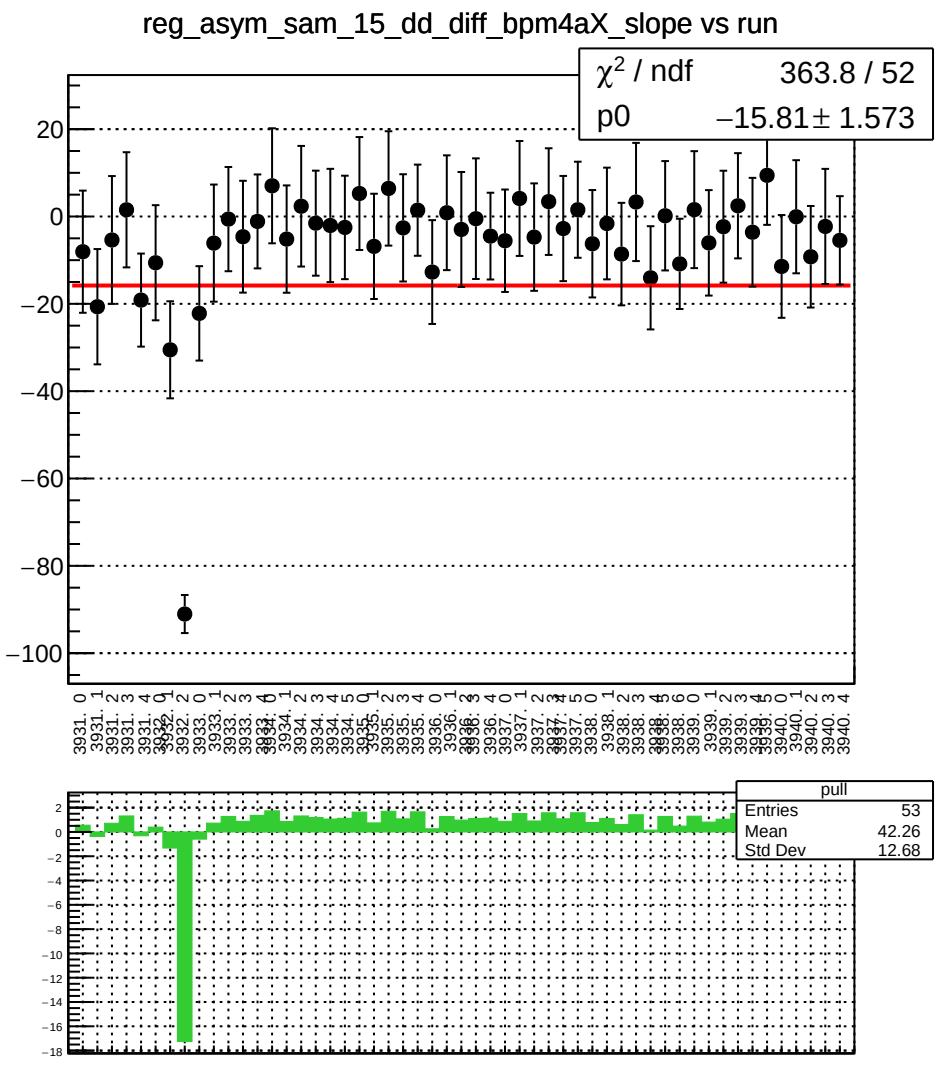

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 466.8 / 52
p0 −17 ± 0.1761
pull
Entries 53
Mean 68.14
Std Dev 39.83
pull1D
Entries 53
Mean −0.2262
Std Dev 1.567

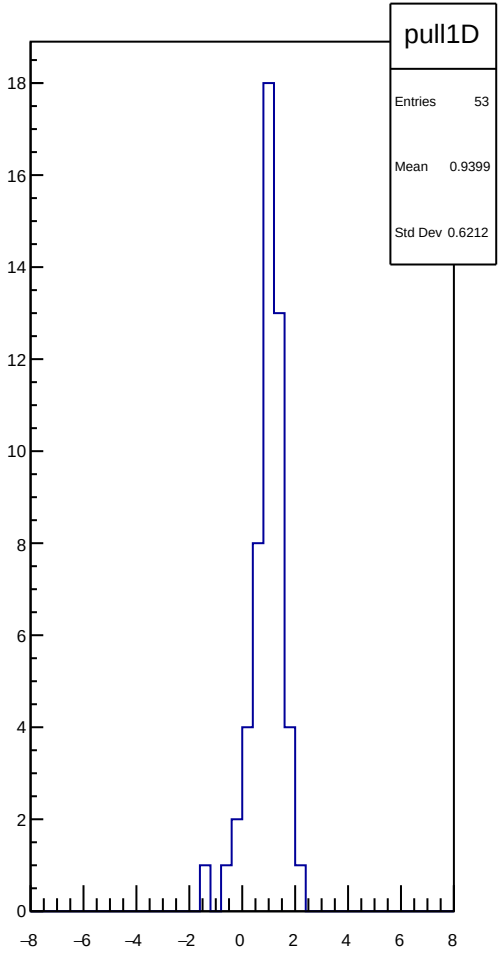

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 5682 / 52
p0 −2.596 ± 0.03533
pull
Entries 53
Mean −116.7
Std Dev 138.8
pull1D
Entries 53
Mean −2.852
Std Dev 3.784

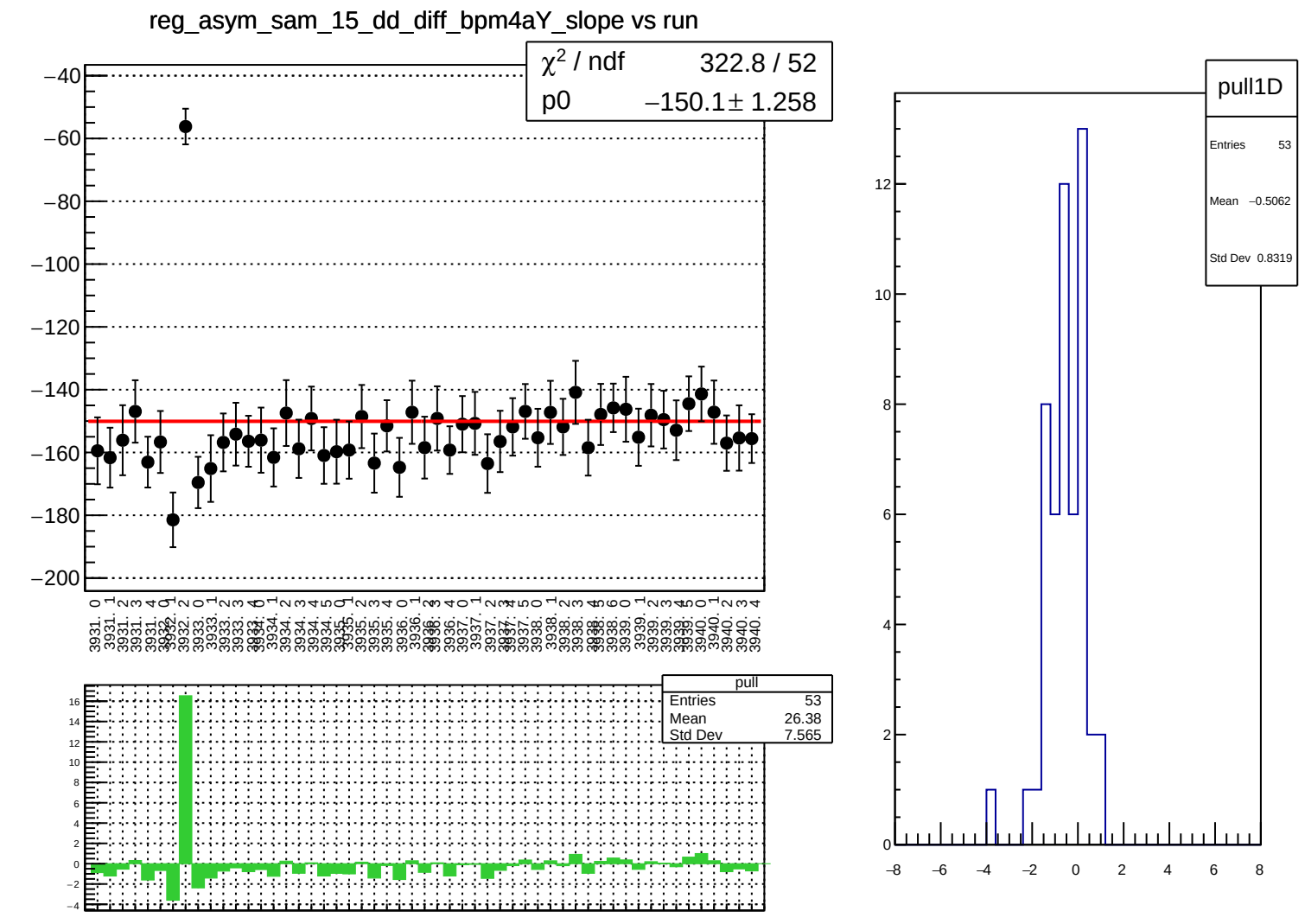

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 274.3 / 52
p0 19.95 ± 0.2981
pull
Entries 53
Mean −161.2
Std Dev 145
pull1D
Entries 53
Mean 0.2315
Std Dev 1.618

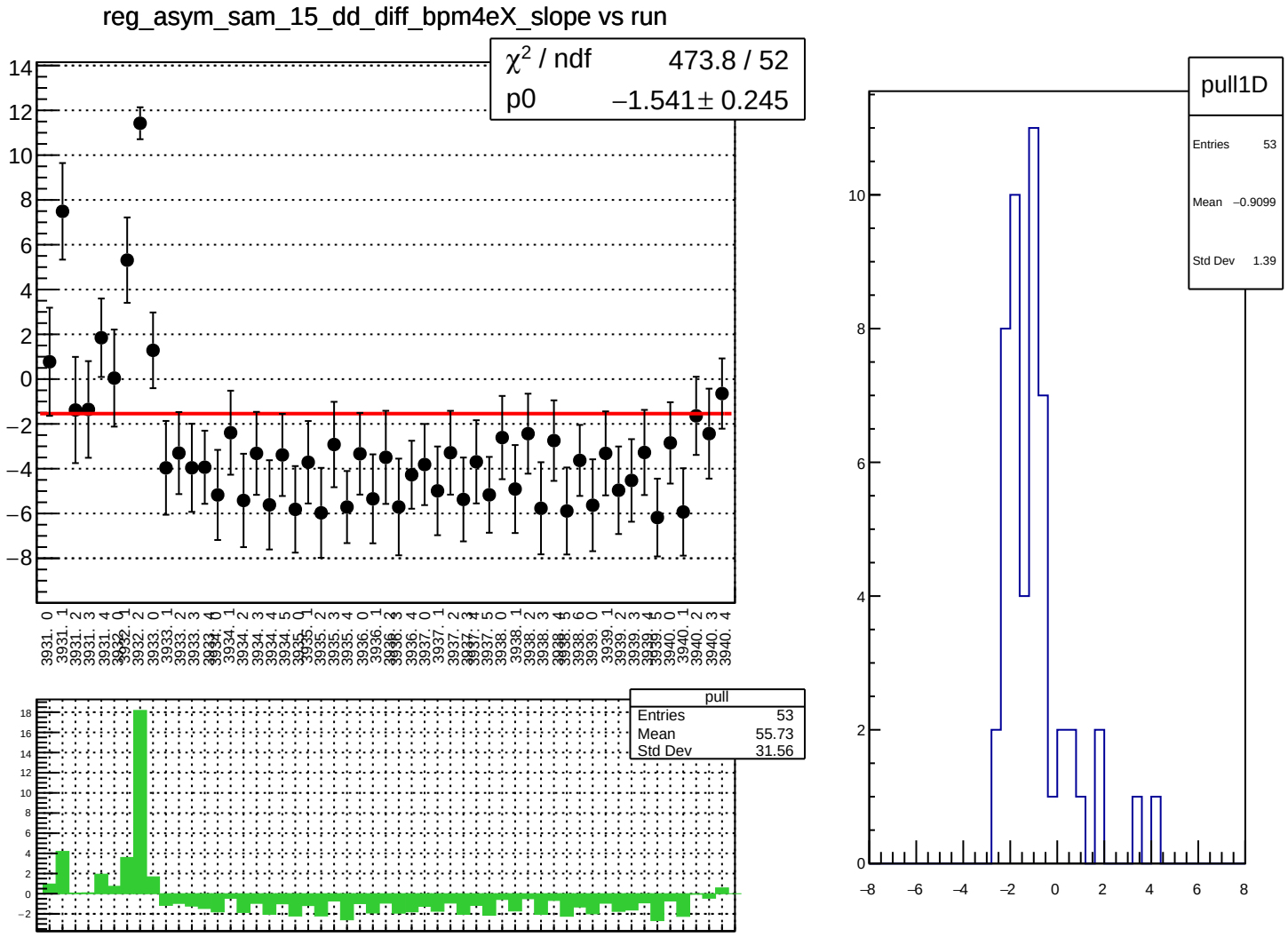

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 219.9 / 52
p0 −0.04998 ± 0.04664
pull
Entries 53
Mean 251
Std Dev 226.3

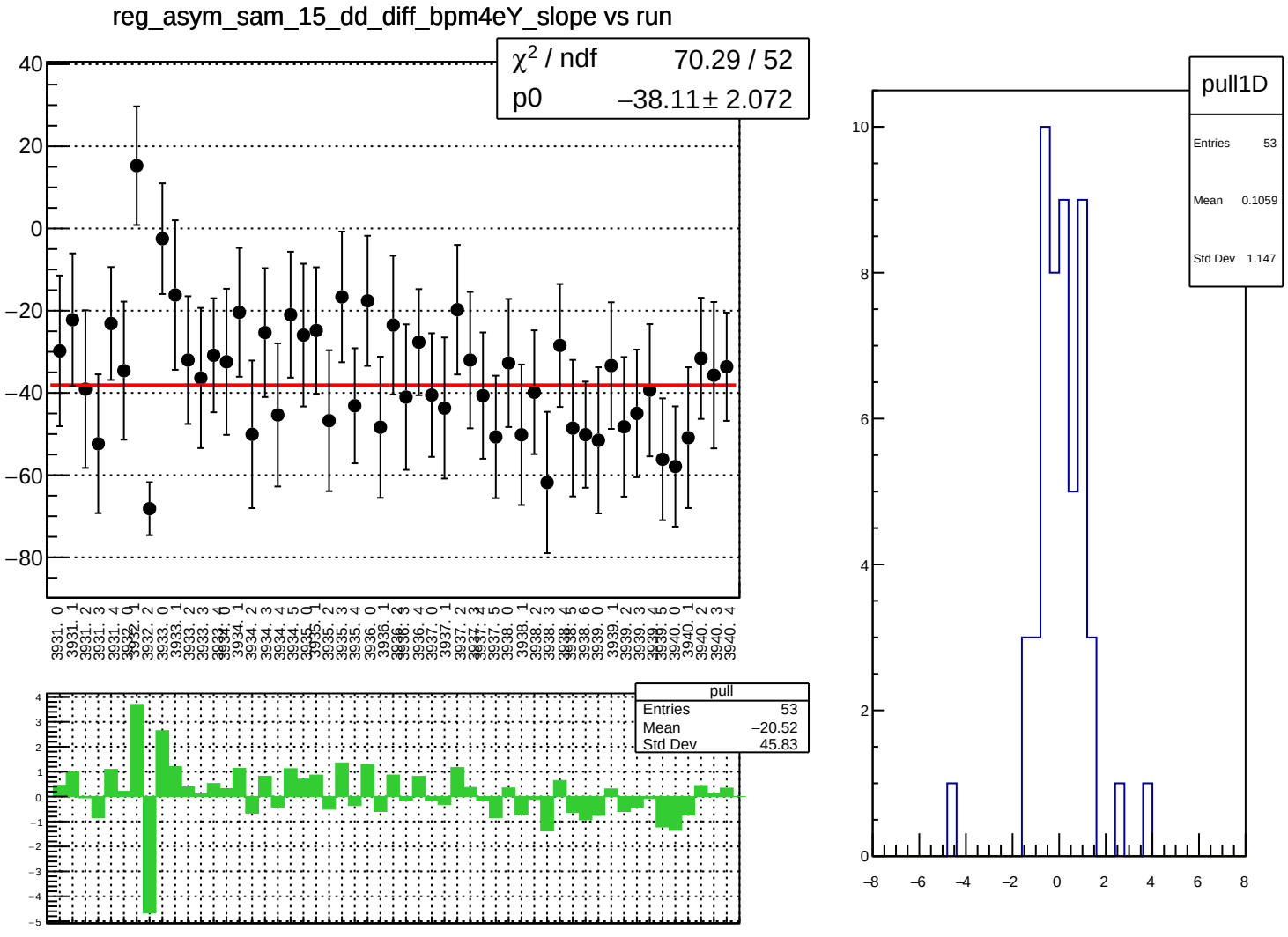

pull1D
Entries 53
Mean 0.2122
Std Dev 1.186

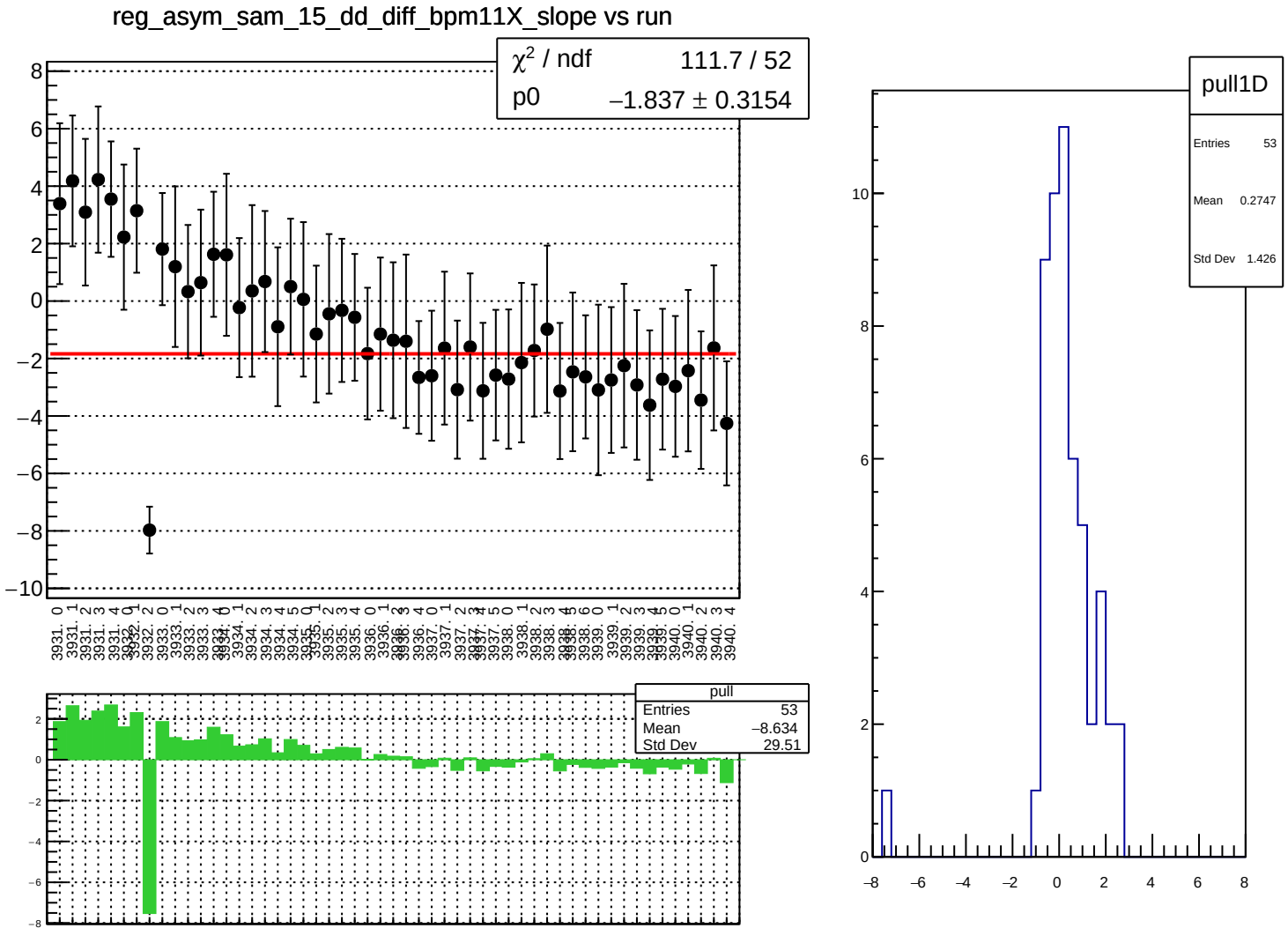

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 363.8 / 52
p0 −15.81± 1.573
pull
Entries 53
Mean 42.26
Std Dev 12.68

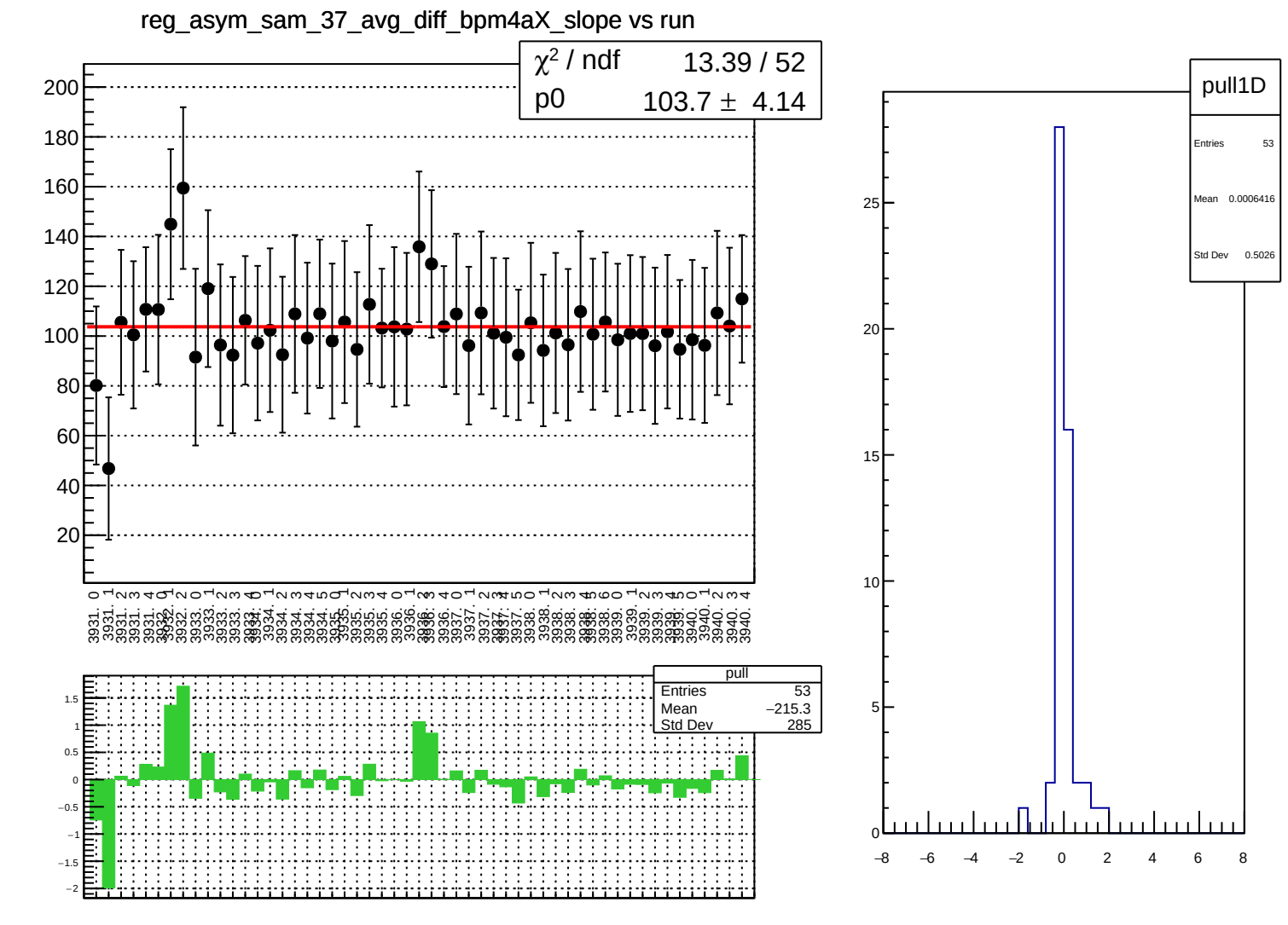

pull1D
Entries 53
Mean 0.9399
Std Dev 0.6212

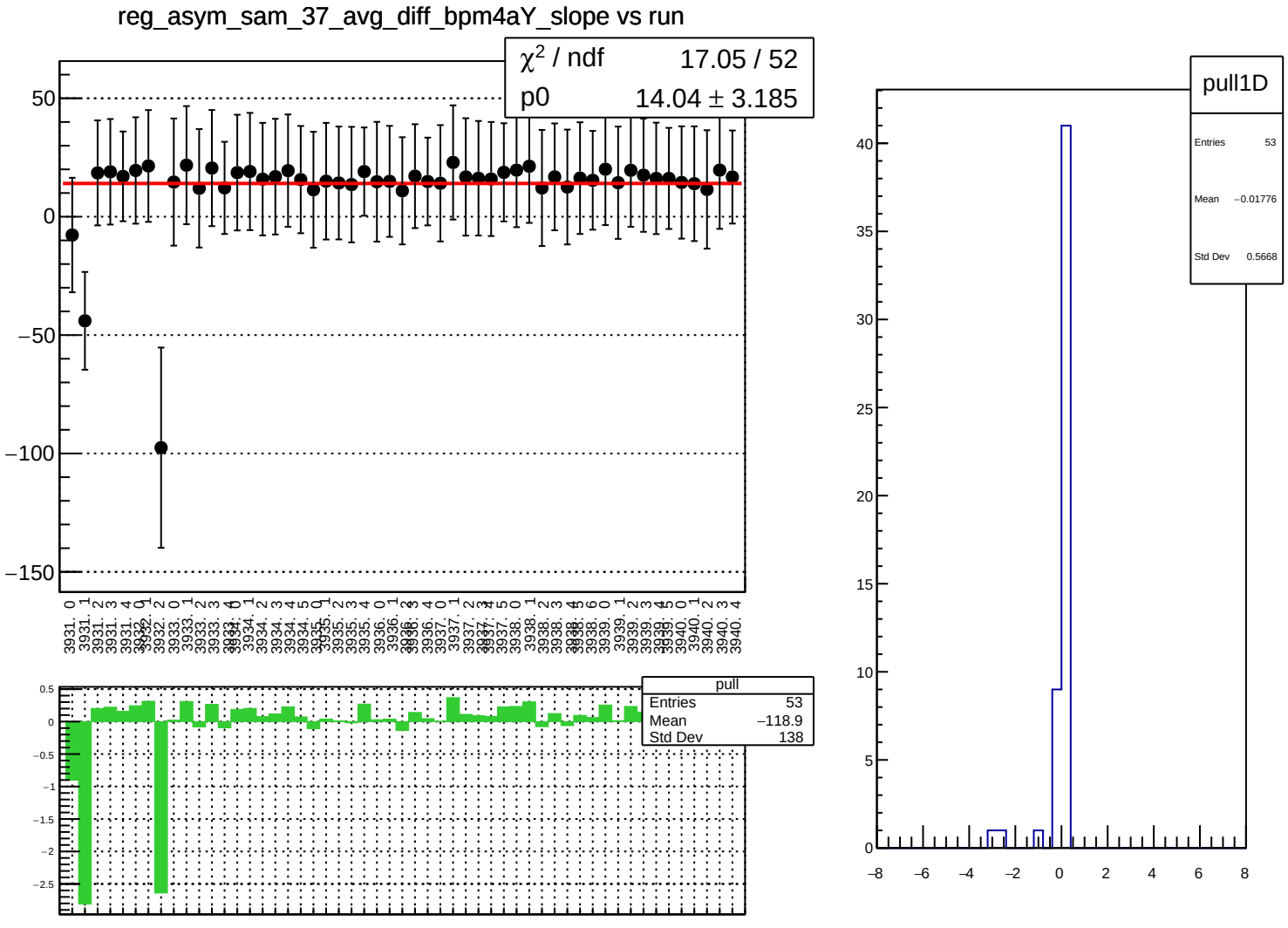

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 322.8 / 52
p0 −150.1± 1.258
pull
Entries 53
Mean 26.38
Std Dev 7.565
pull1D
Entries 53
Mean −0.5062
Std Dev 0.8319

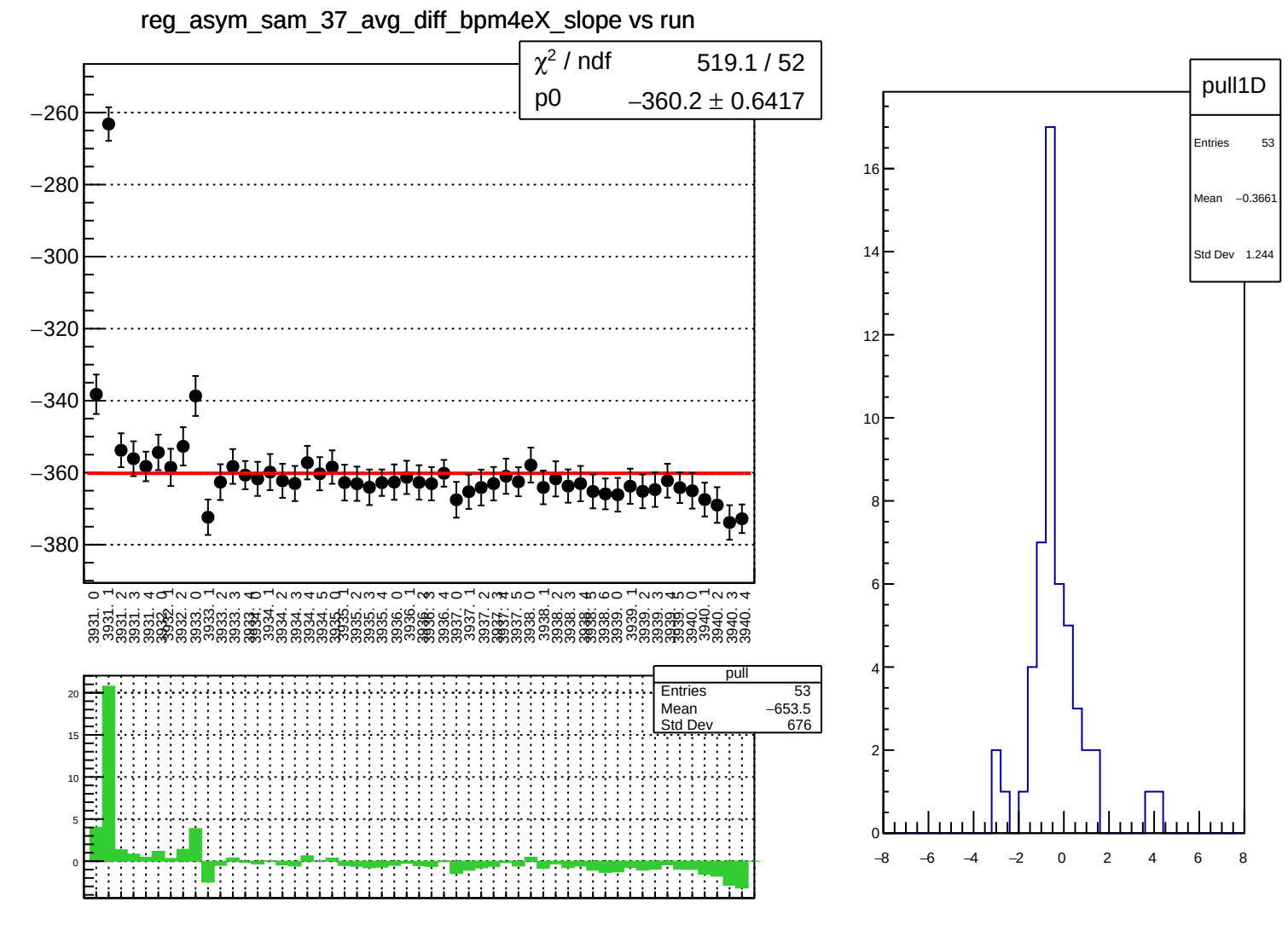

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 473.8 / 52
p0 −1.541 ± 0.245
pull
Entries 53
Mean 55.73
Std Dev 31.56
pull1D
Entries 53
Mean −0.9099
Std Dev 1.39

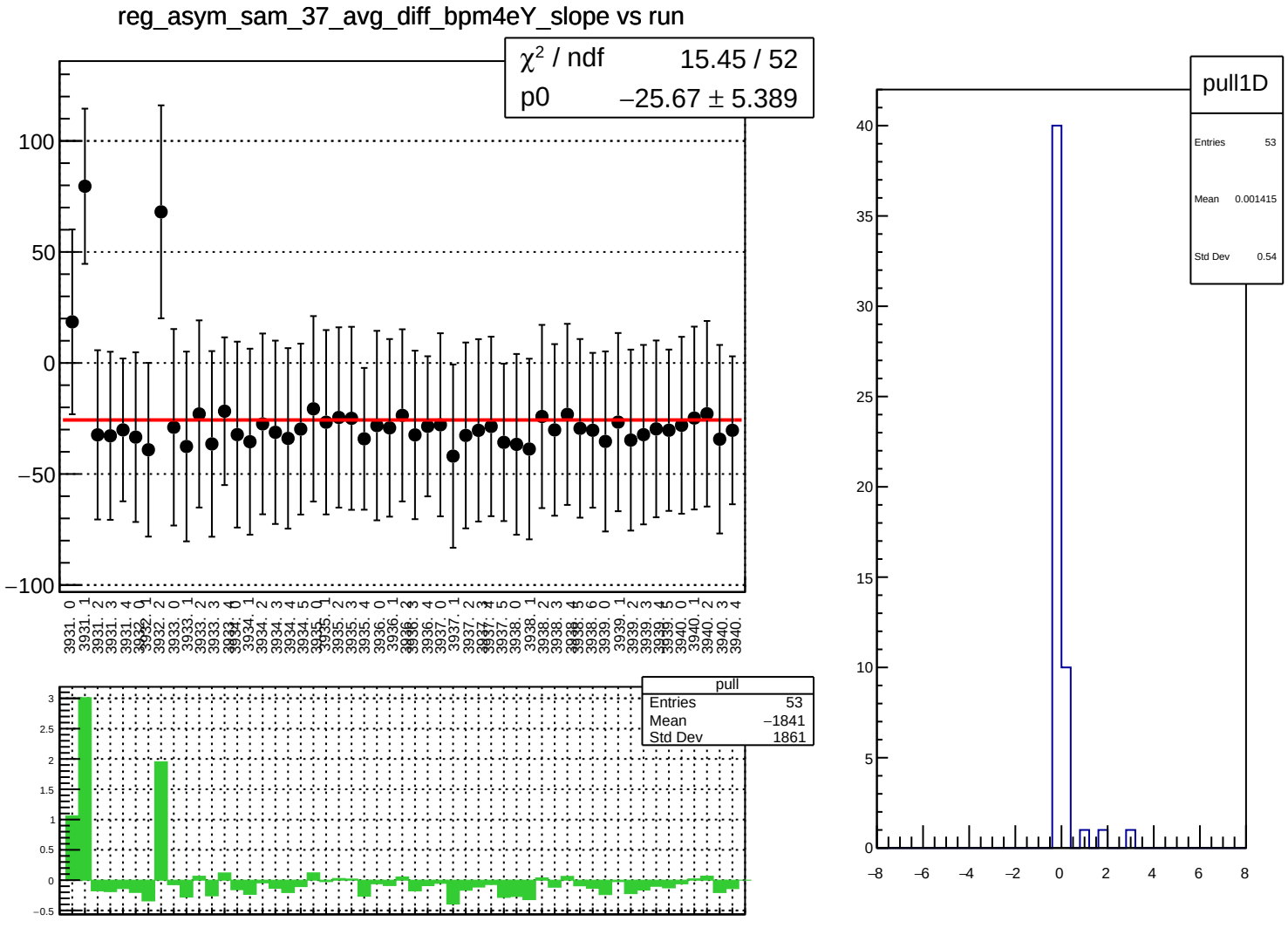

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.29 / 52
p0 −38.11 ± 2.072
pull
Entries 53
Mean −20.52
Std Dev 45.83
pull1D
Entries 53
Mean 0.1059
Std Dev 1.147

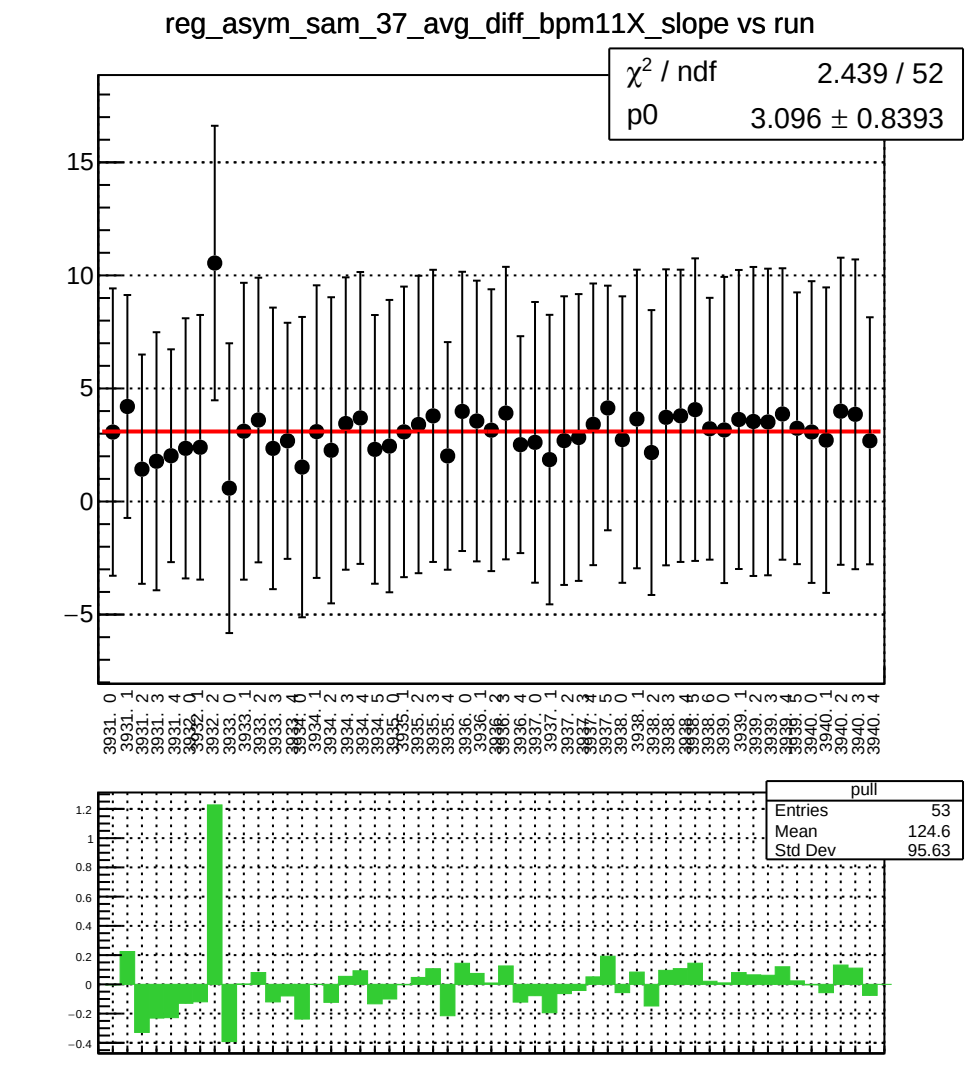

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 111.7 / 52
p0 −1.837 ± 0.3154
pull
Entries 53
Mean −8.634
Std Dev 29.51
pull1D
Entries 53
Mean 0.2747
Std Dev 1.426

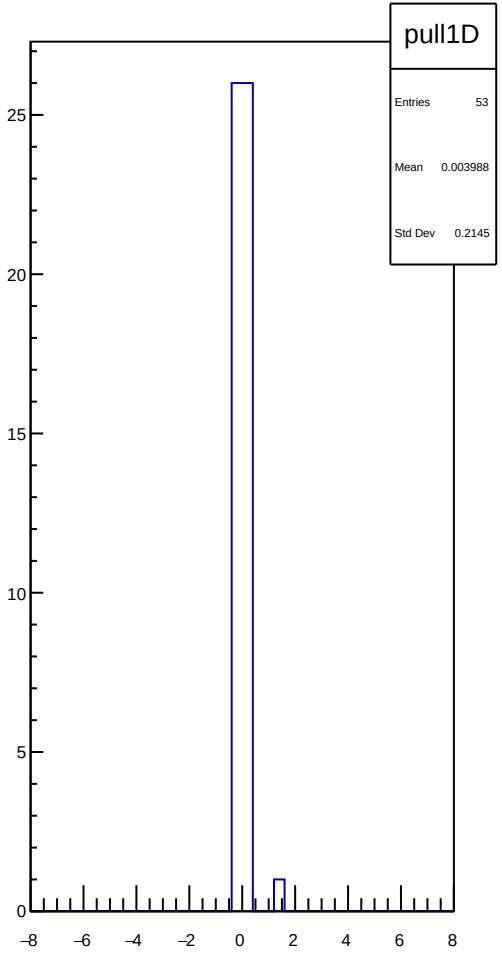

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.39 / 52
p0 103.7 ± 4.14
pull
Entries 53
Mean −215.3
Std Dev 285
pull1D
Entries 53
Mean 0.0006416
Std Dev 0.5026

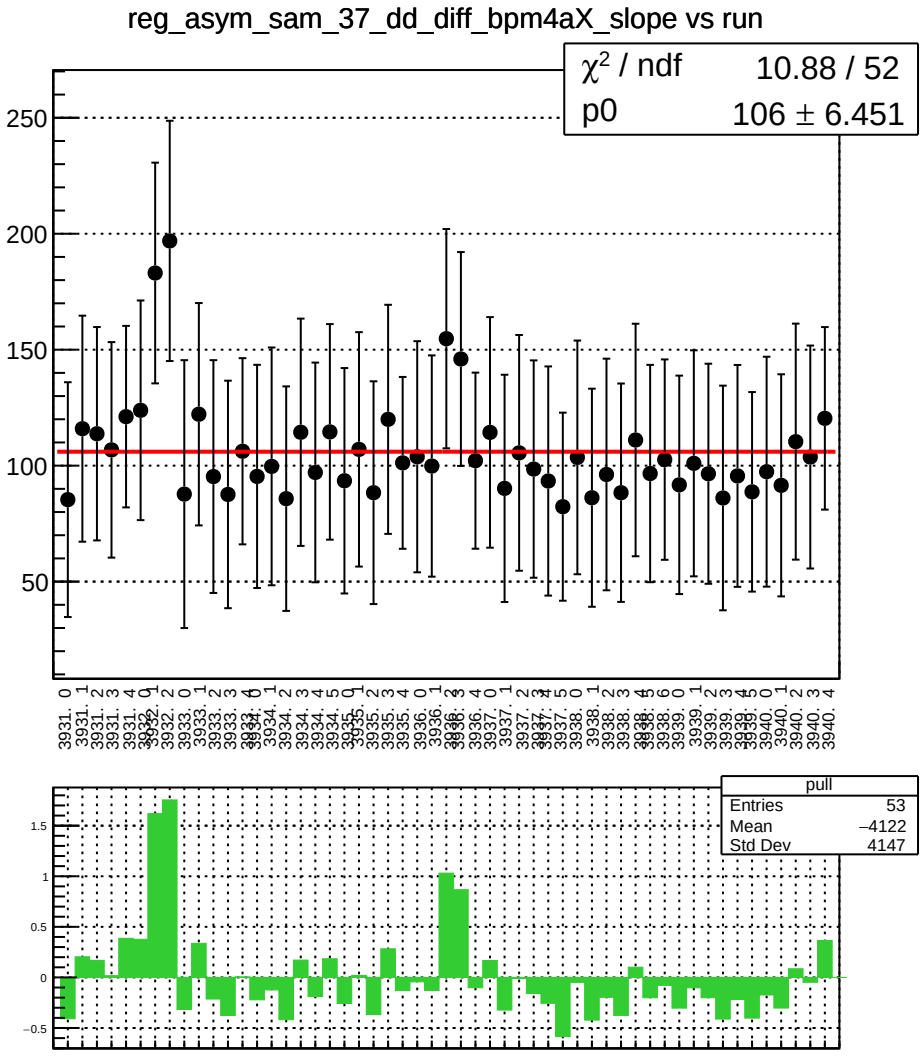

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.05 / 52
p0 14.04 ± 3.185
pull
Entries 53
Mean −118.9
Std Dev 138
pull1D
Entries 53
Mean −0.01776
Std Dev 0.5668

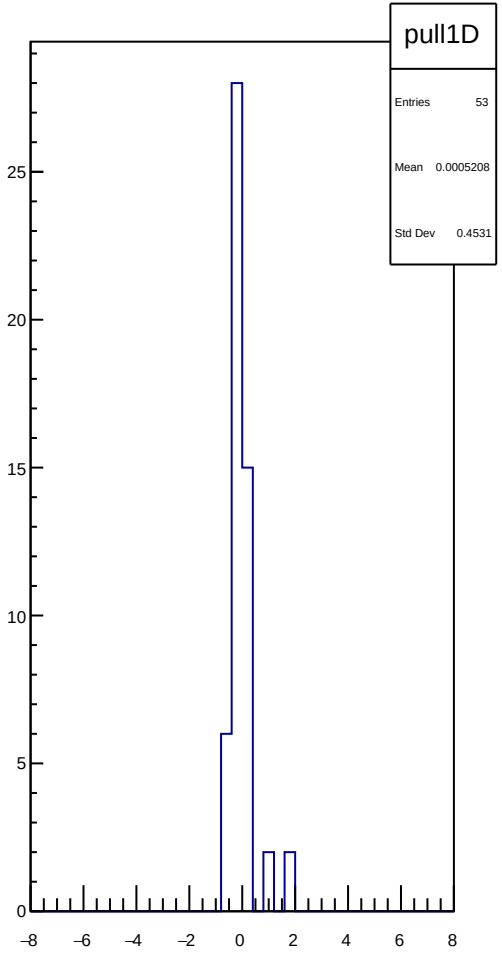

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 519.1 / 52
p0 −360.2 ± 0.6417
pull
Entries 53
Mean −653.5
Std Dev 676
pull1D
Entries 53
Mean −0.3661
Std Dev 1.244

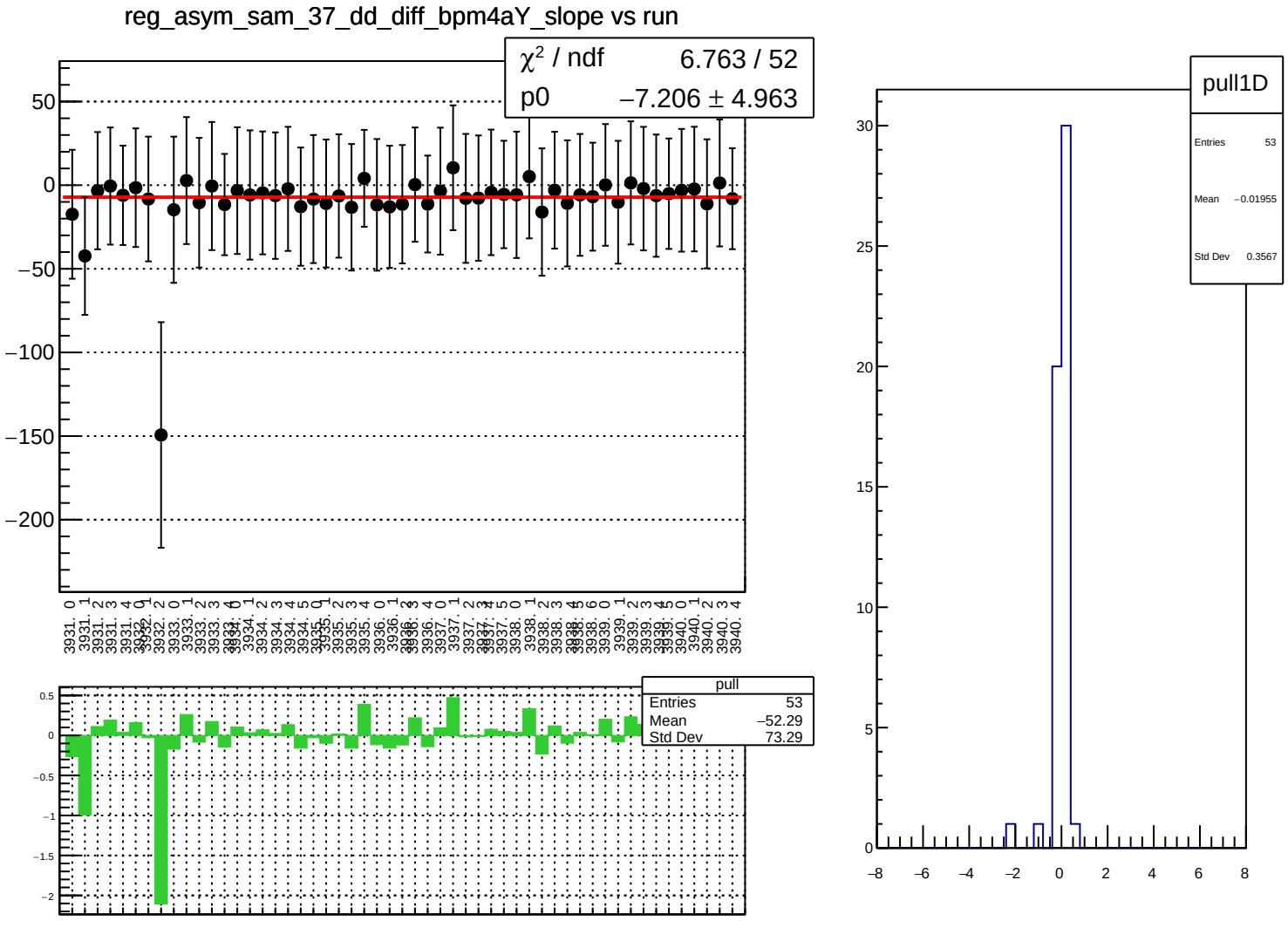

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.45 / 52
p0 −25.67 ± 5.389
pull
Entries 53
Mean −1841
Std Dev 1861
pull1D
Entries 53
Mean 0.001415
Std Dev 0.54

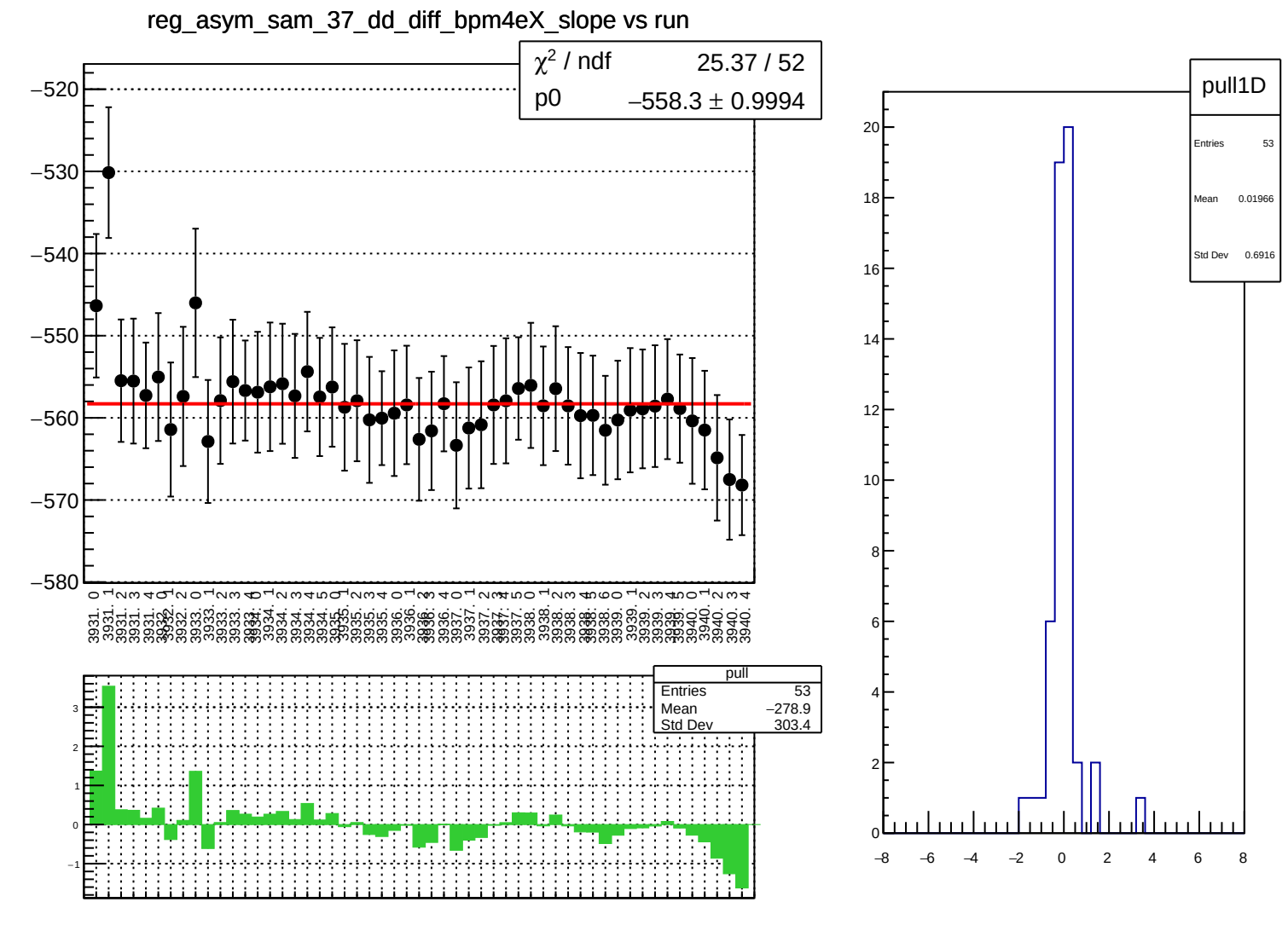

reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 2.439 / 52
p0 3.096 ± 0.8393
pull
Entries 53
Mean 124.6
Std Dev 95.63

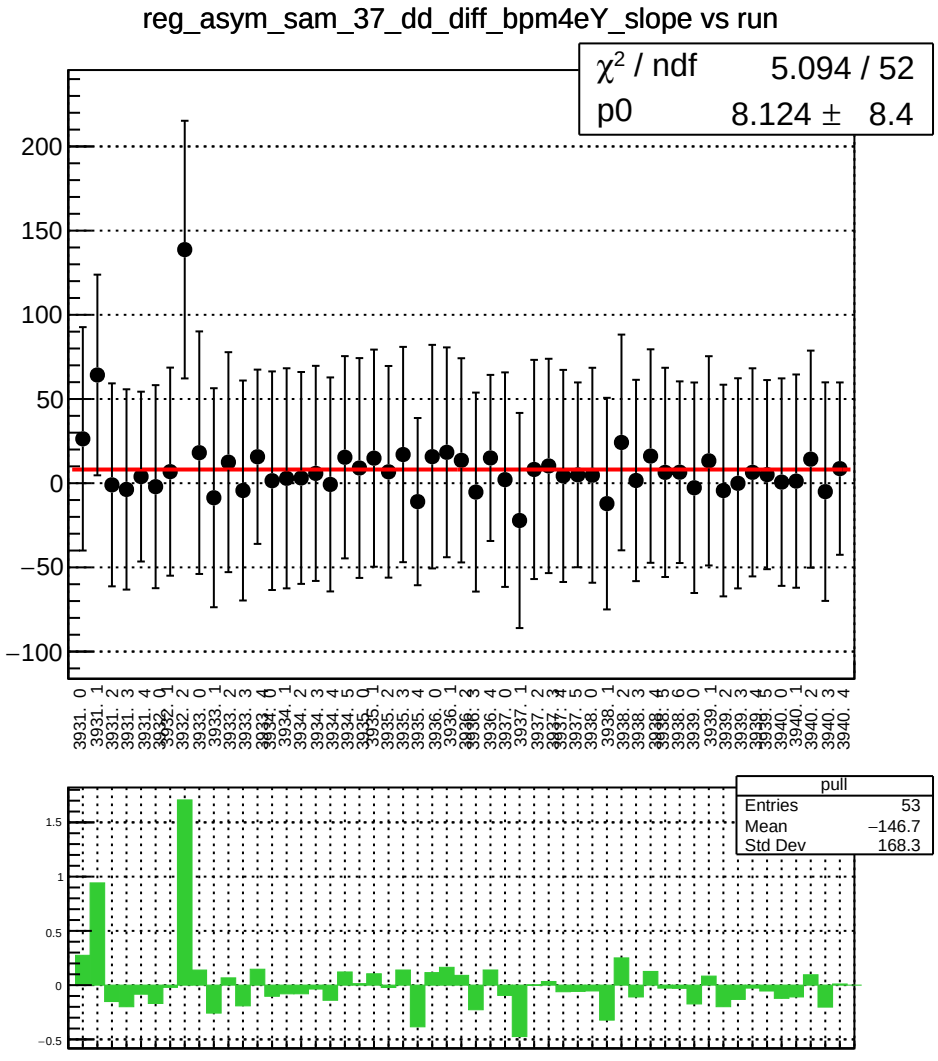

pull1D
Entries 53
Mean 0.003988
Std Dev 0.2145

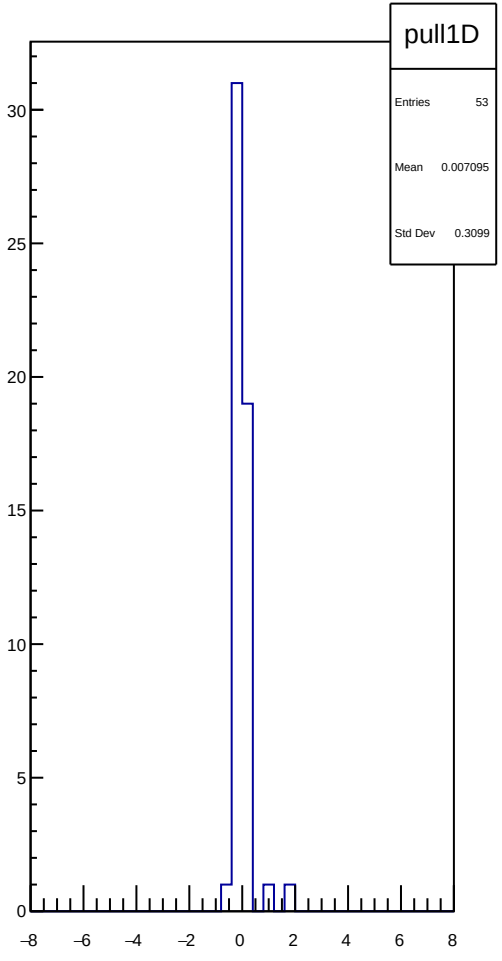

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.88 / 52
p0 106 ± 6.451
pull
Entries 53
Mean −4122
Std Dev 4147

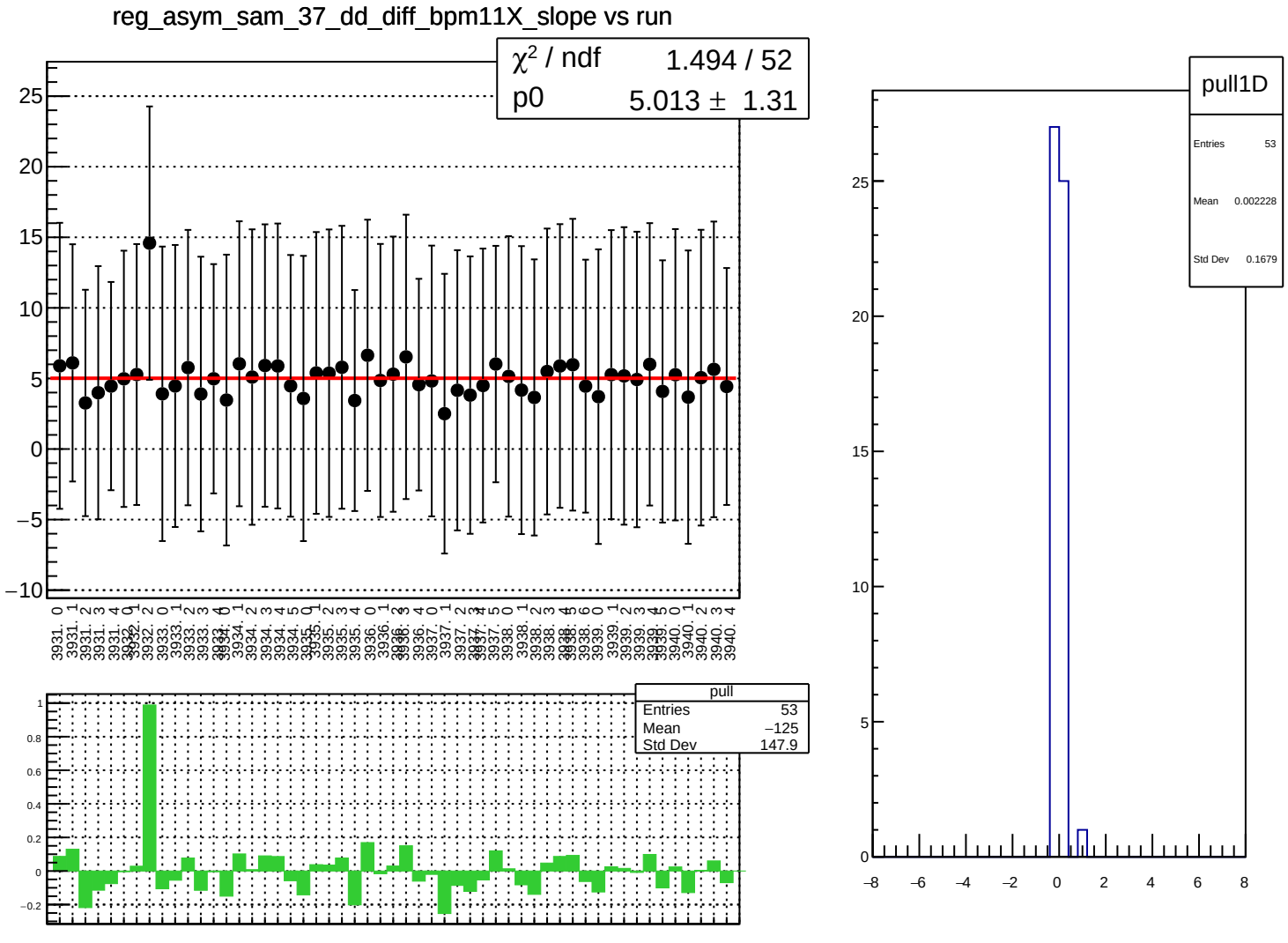

pull1D
Entries 53
Mean 0.0005208
Std Dev 0.4531

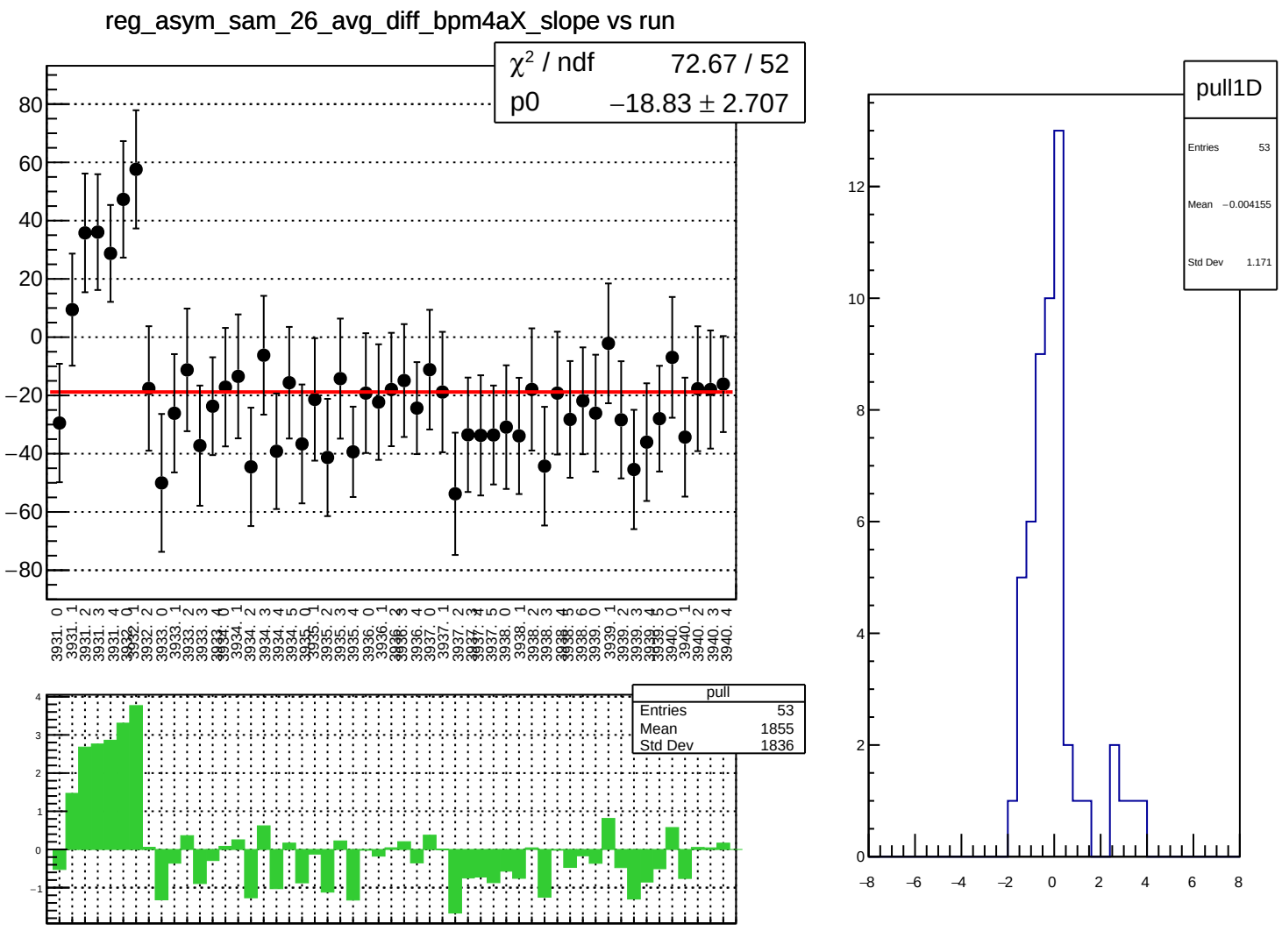

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.763 / 52
p0 −7.206 ± 4.963
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −52.29
Std Dev 73.29
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean −0.01955
Std Dev 0.3567
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

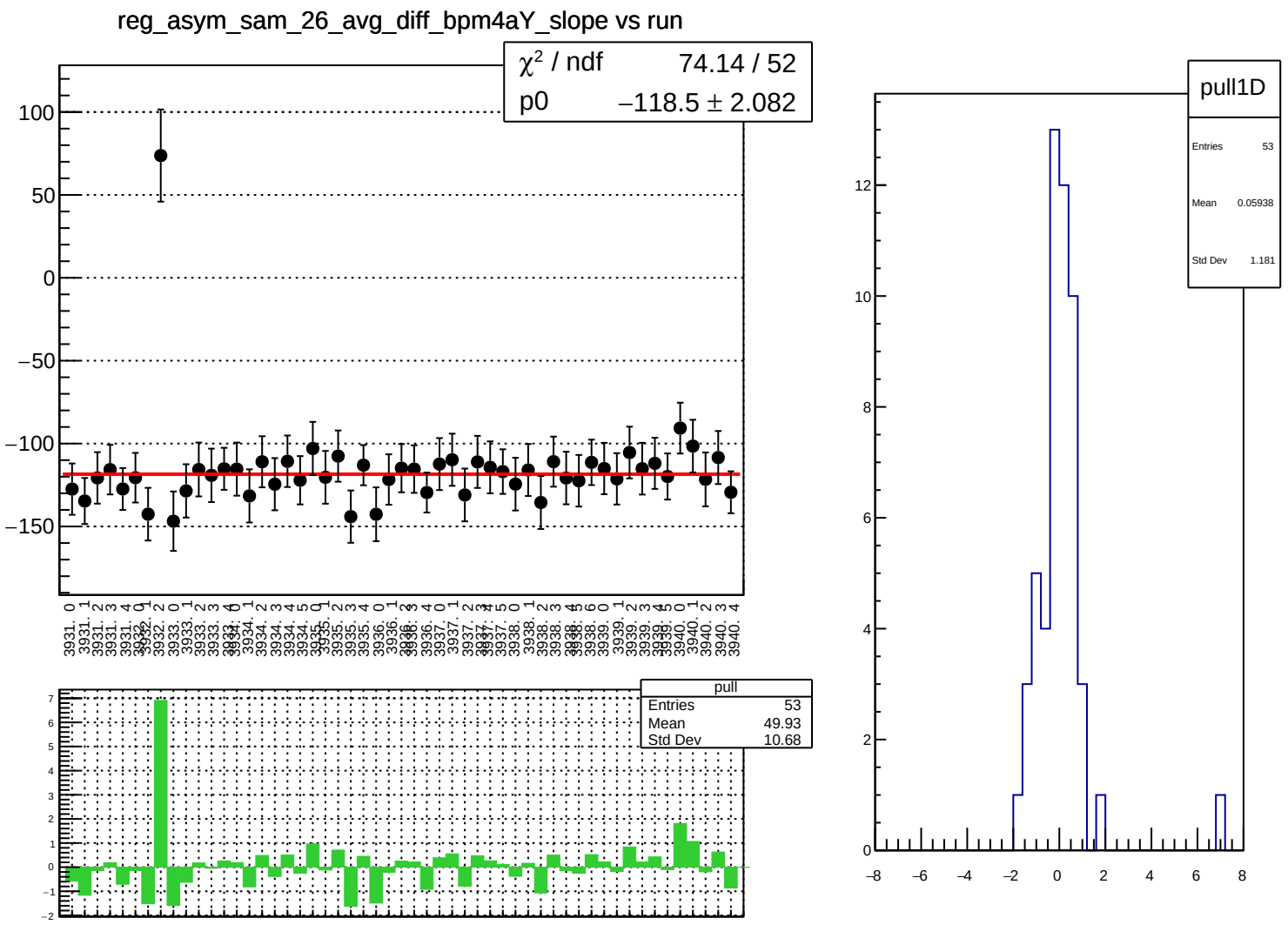

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.37 / 52
p0 −558.3 ± 0.9994
pull
Entries 53
Mean −278.9
Std Dev 303.4
pull1D
Entries 53
Mean 0.01966
Std Dev 0.6916

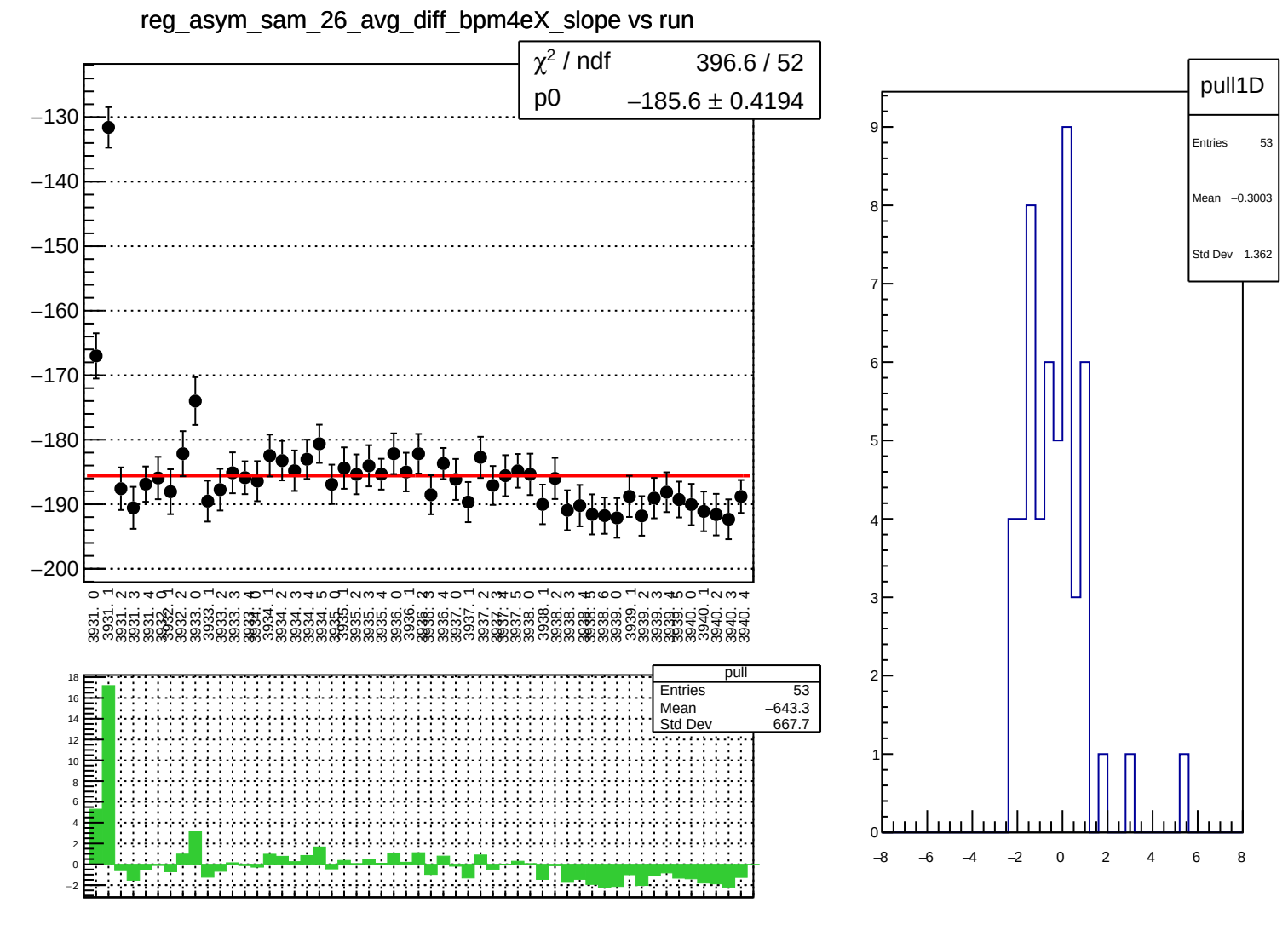

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.094 / 52
p0 8.124 ± 8.4
pull
Entries 53
Mean −146.7
Std Dev 168.3

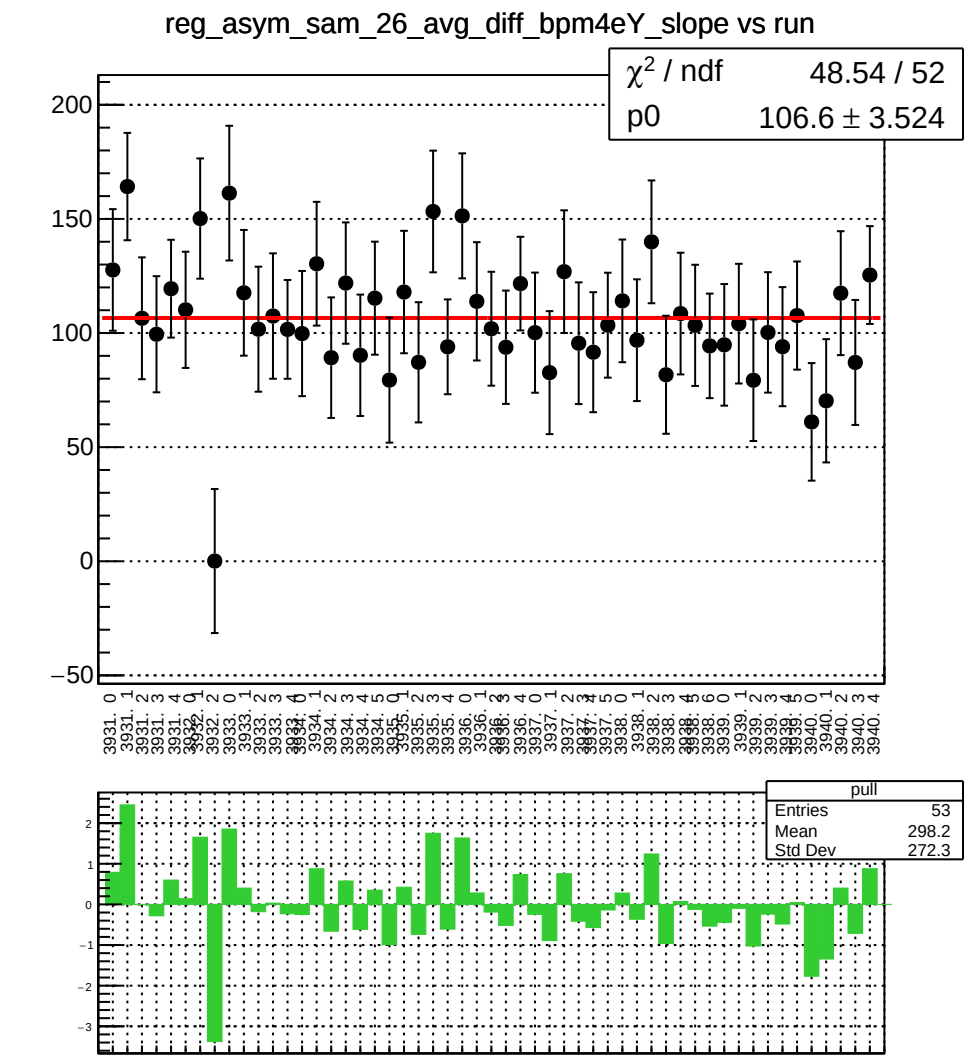

pull1D
Entries 53
Mean 0.007095
Std Dev 0.3099

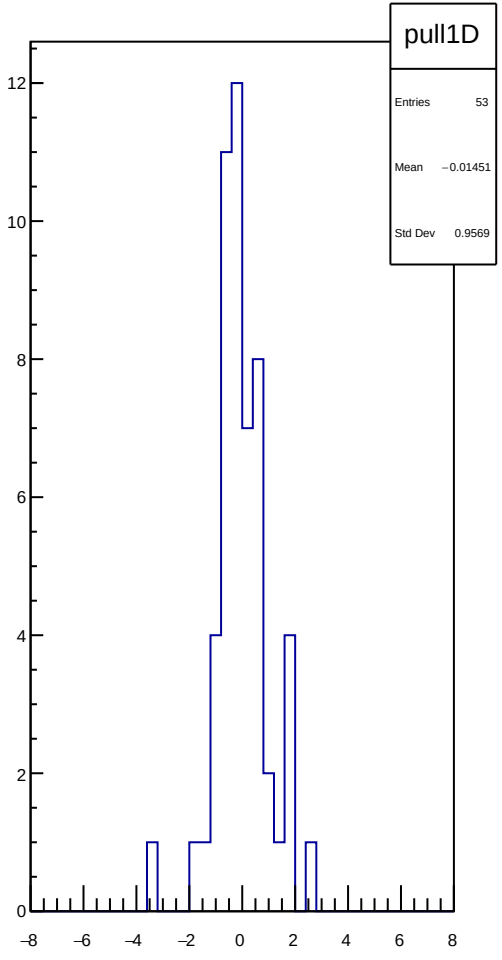

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 1.494 / 52
p0 5.013 ± 1.31
pull
Entries 53
Mean −125
Std Dev 147.9
pull1D
Entries 53
Mean 0.002228
Std Dev 0.1679

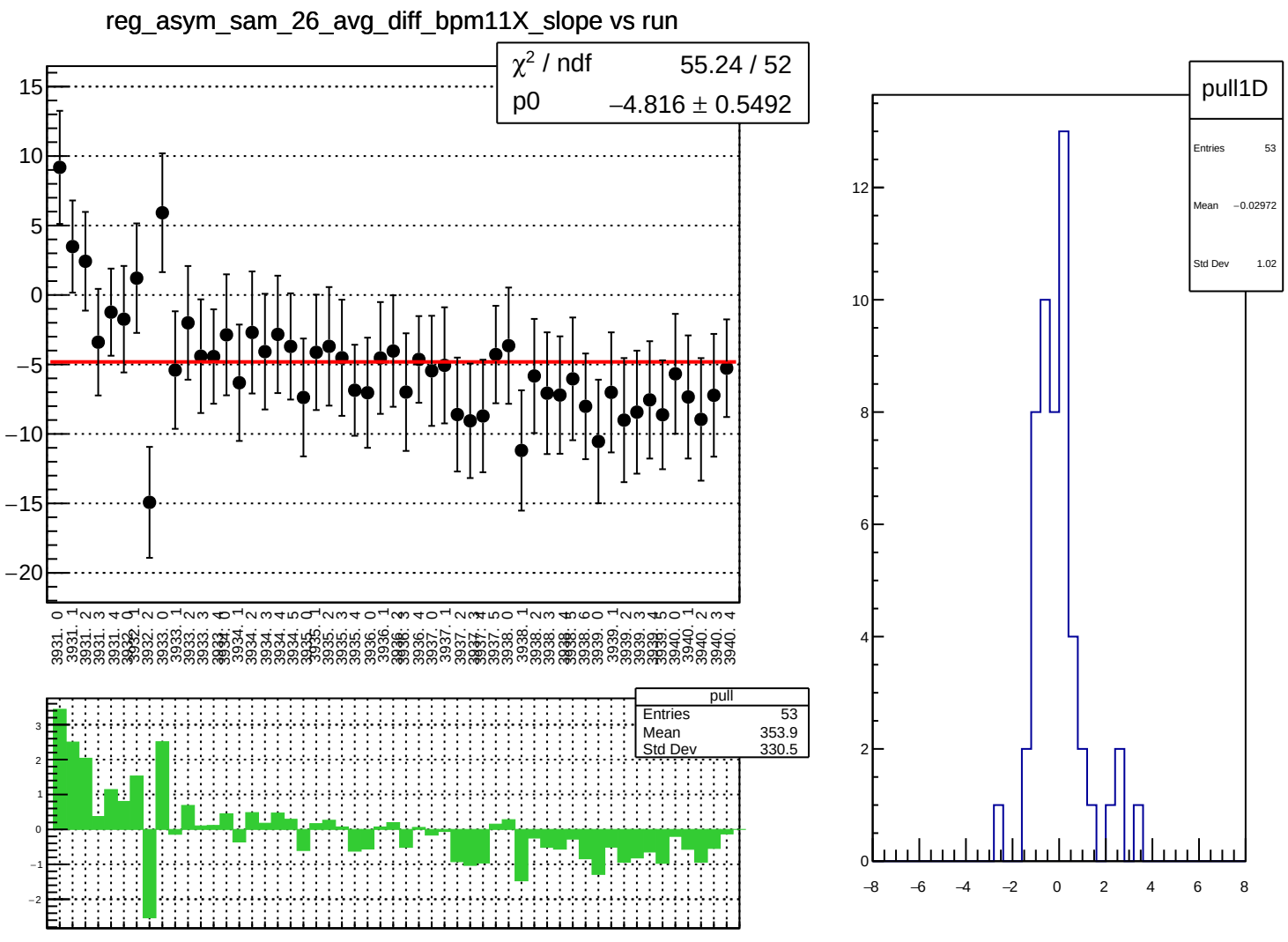

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 72.67 / 52
p0 −18.83 ± 2.707
pull
Entries 53
Mean 1855
Std Dev 1836
pull1D
Entries 53
Mean −0.004155
Std Dev 1.171

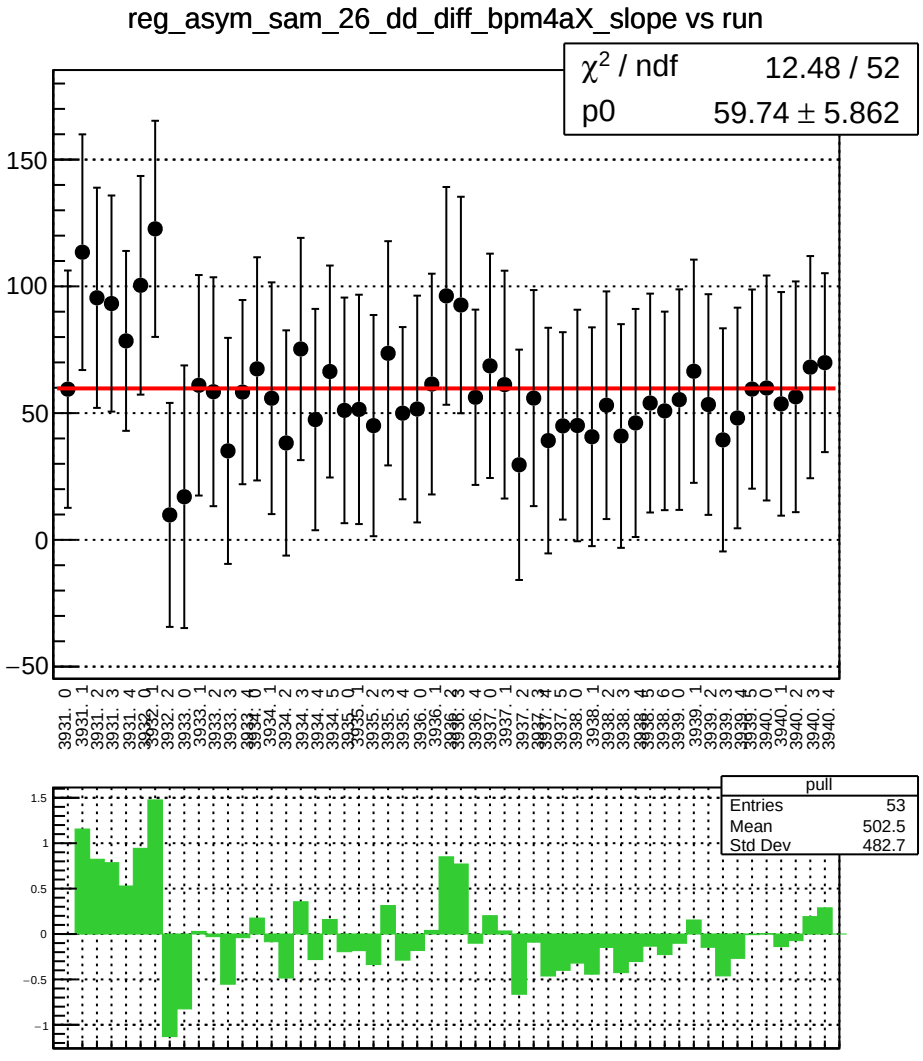

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.14 / 52
p0 −118.5 ± 2.082
pull
Entries 53
Mean 49.93
Std Dev 10.68
pull1D
Entries 53
Mean 0.05938
Std Dev 1.181

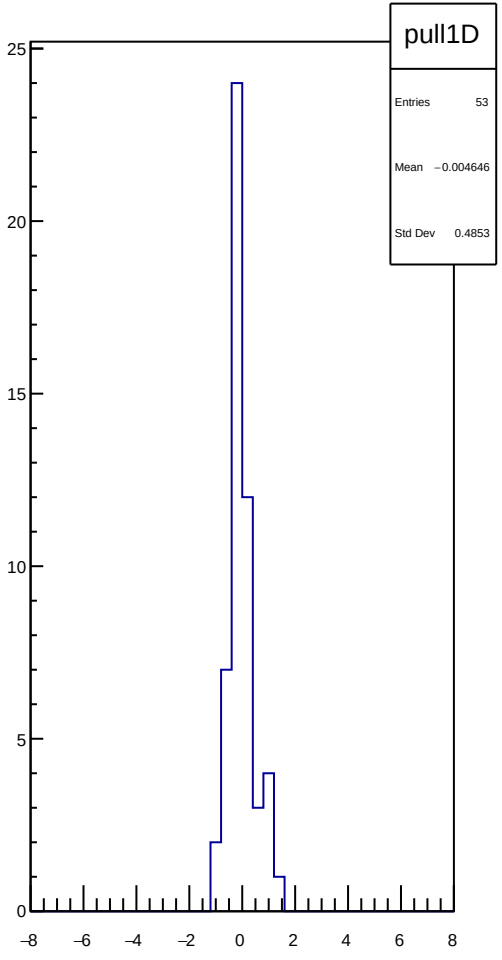

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 396.6 / 52
p0 −185.6 ± 0.4194
pull
Entries 53
Mean −643.3
Std Dev 667.7
pull1D
Entries 53
Mean −0.3003
Std Dev 1.362

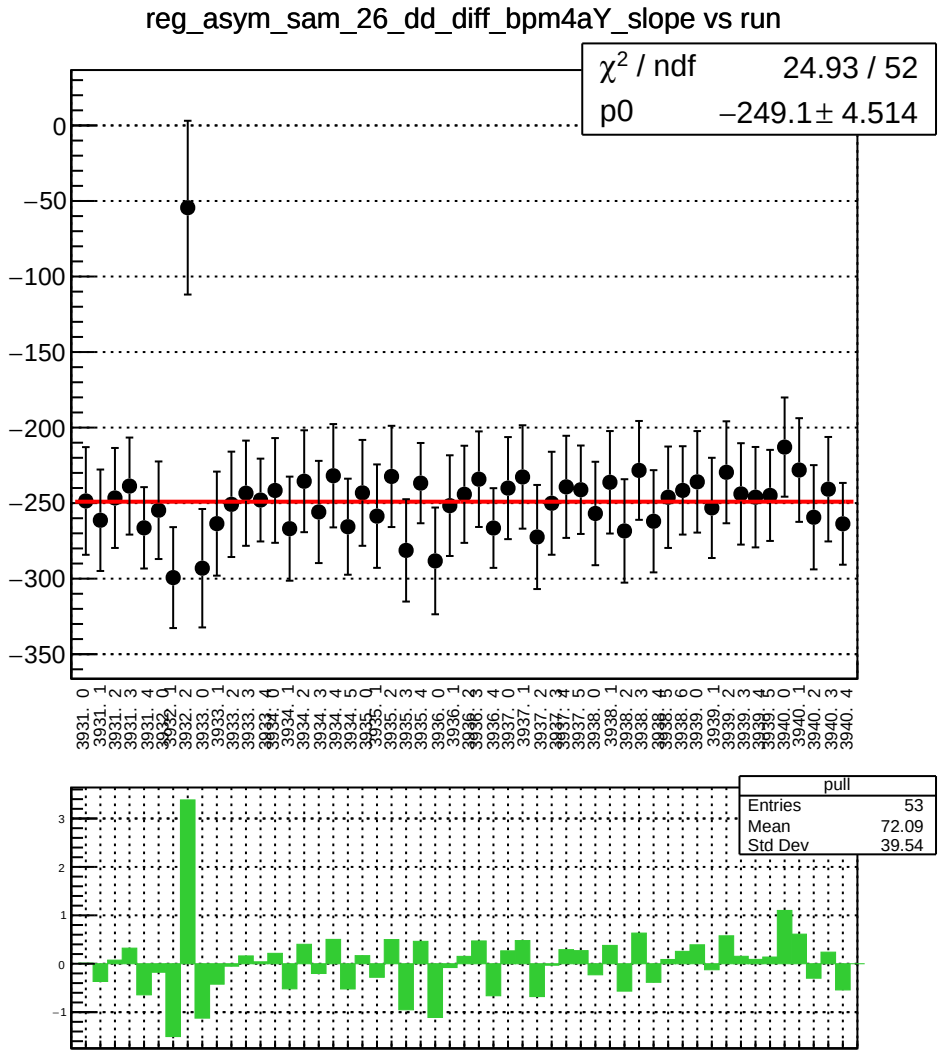

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.54 / 52
p0 106.6 ± 3.524
pull
Entries 53
Mean 298.2
Std Dev 272.3

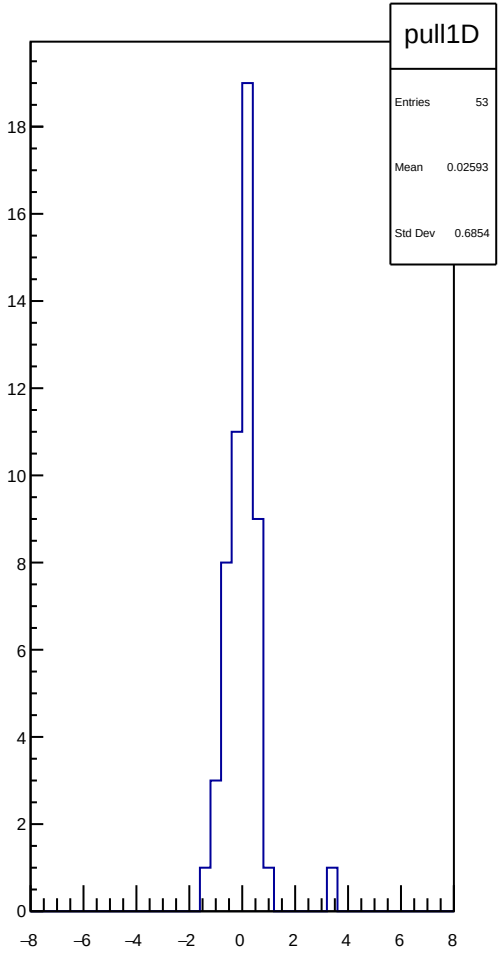

pull1D
Entries 53
Mean −0.01451
Std Dev 0.9569

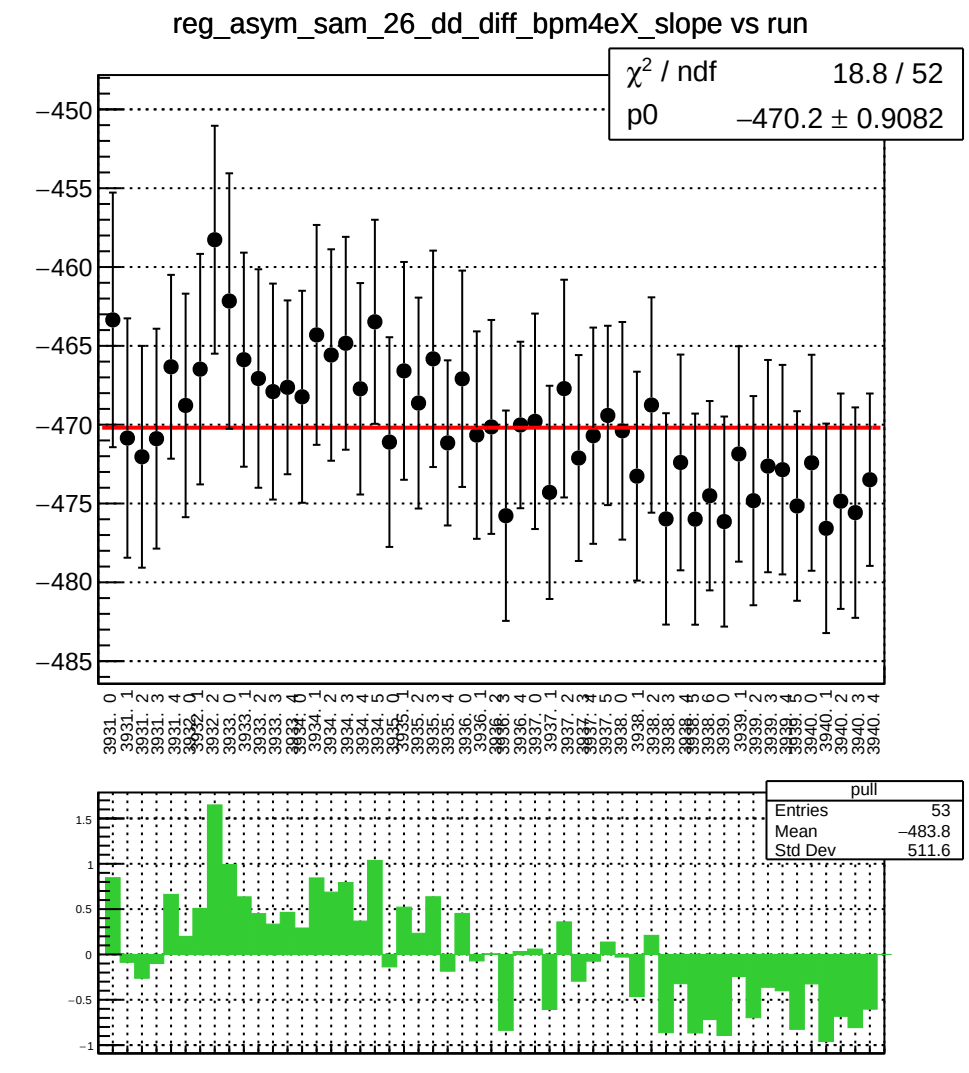

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 55.24 / 52
p0 −4.816 ± 0.5492
pull
Entries 53
Mean 353.9
Std Dev 330.5
pull1D
Entries 53
Mean −0.02972
Std Dev 1.02

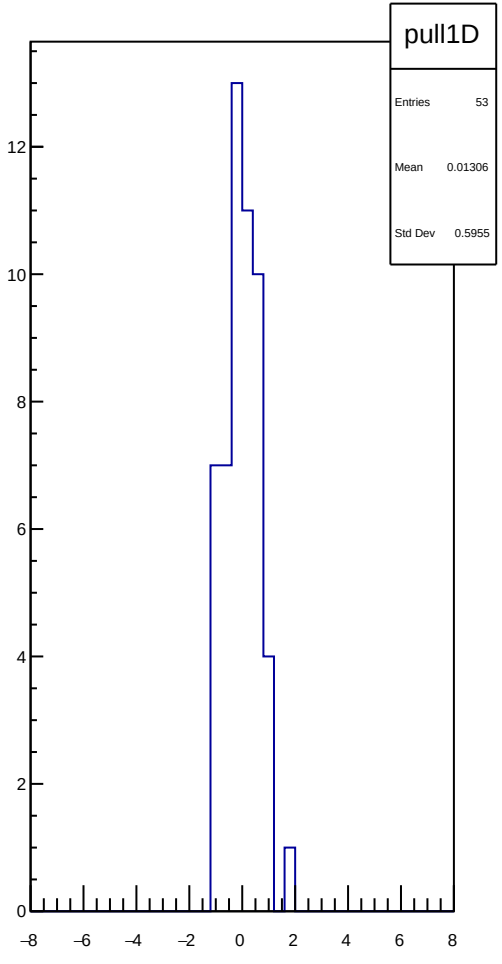

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.48 / 52
p0 59.74 ± 5.862
pull
Entries 53
Mean 502.5
Std Dev 482.7

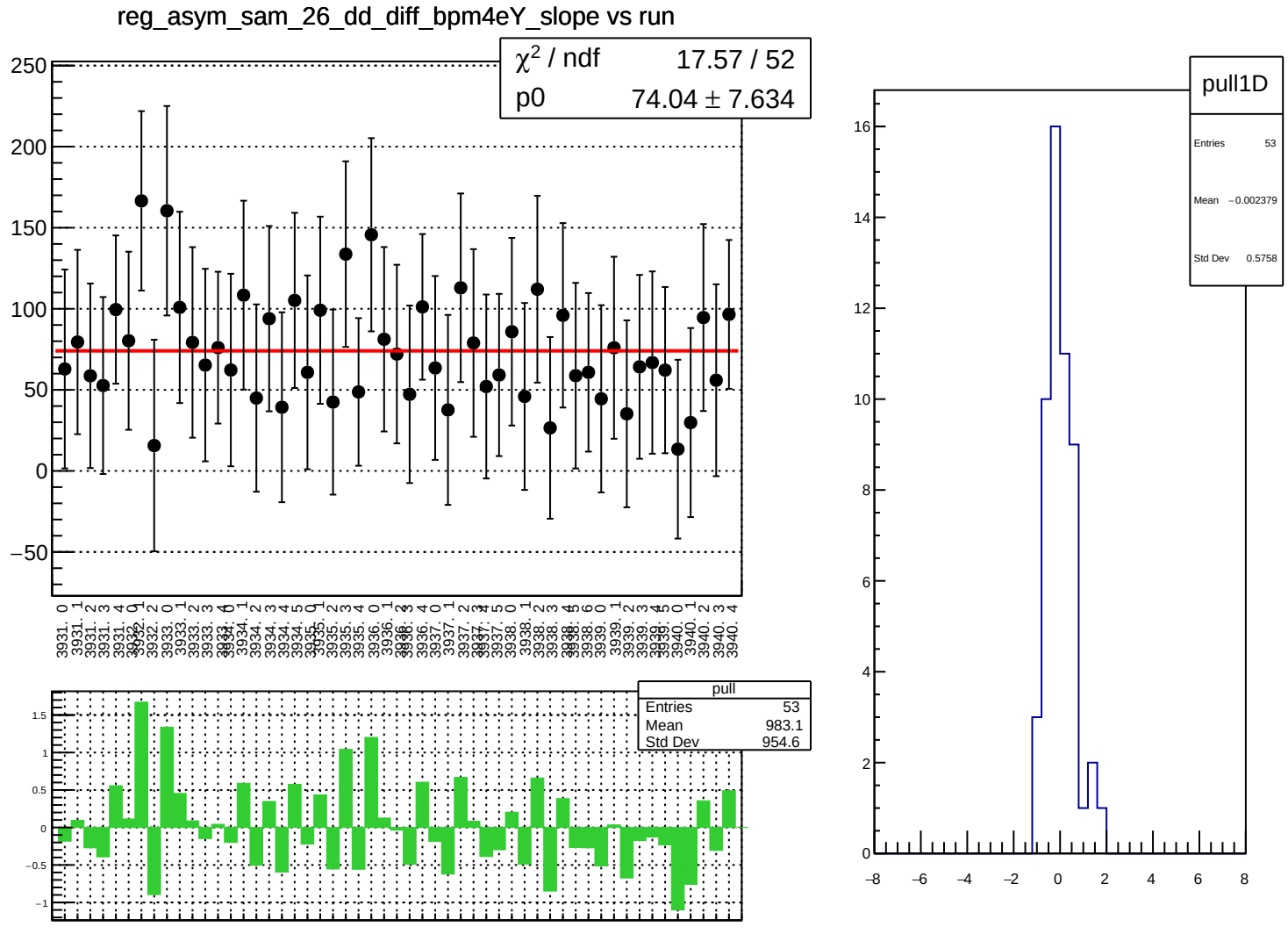

pull1D
Entries 53
Mean −0.004646
Std Dev 0.4853

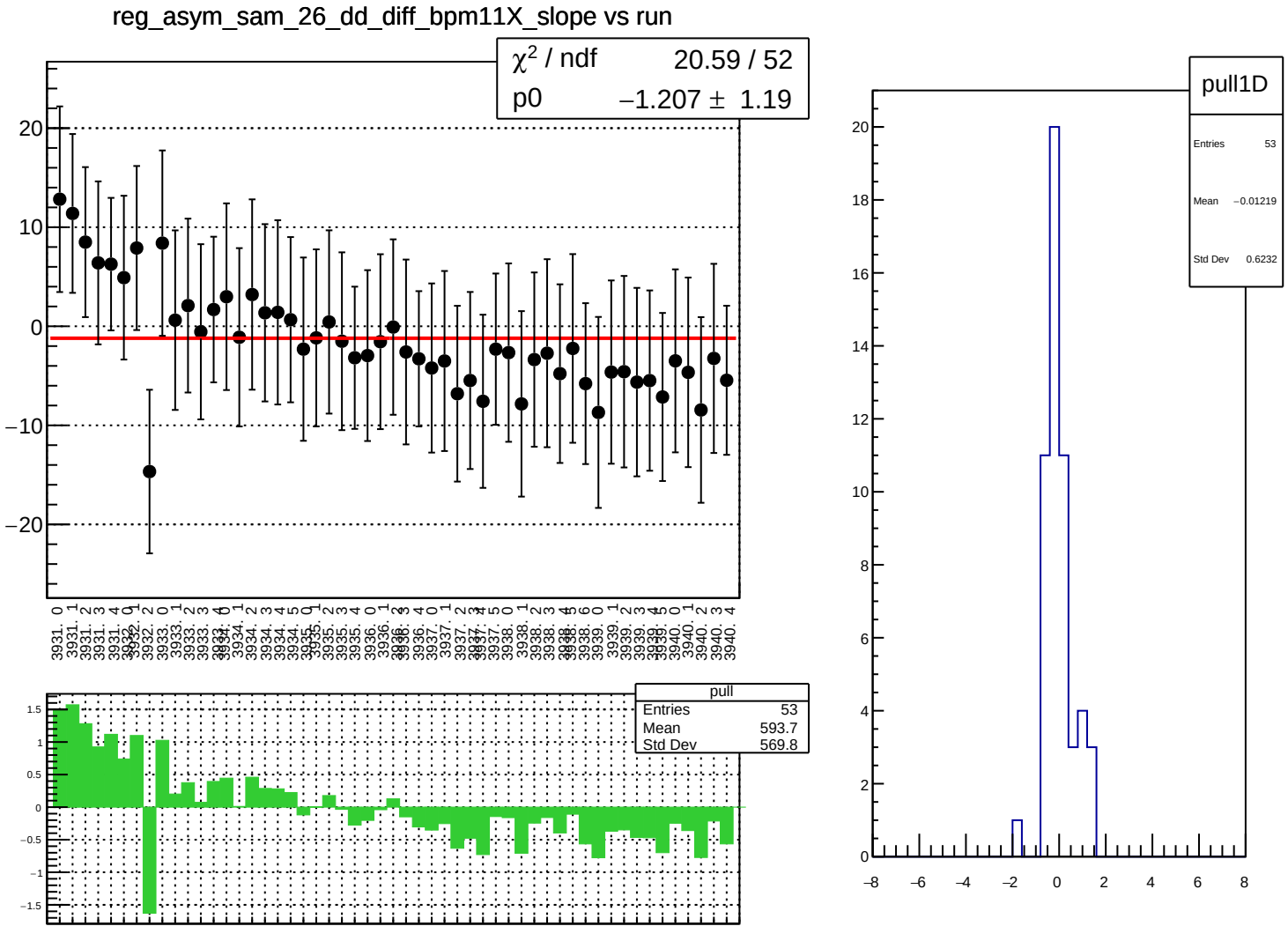

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.93 / 52
p0 −249.1 ± 4.514
pull
Entries 53
Mean 72.09
Std Dev 39.54

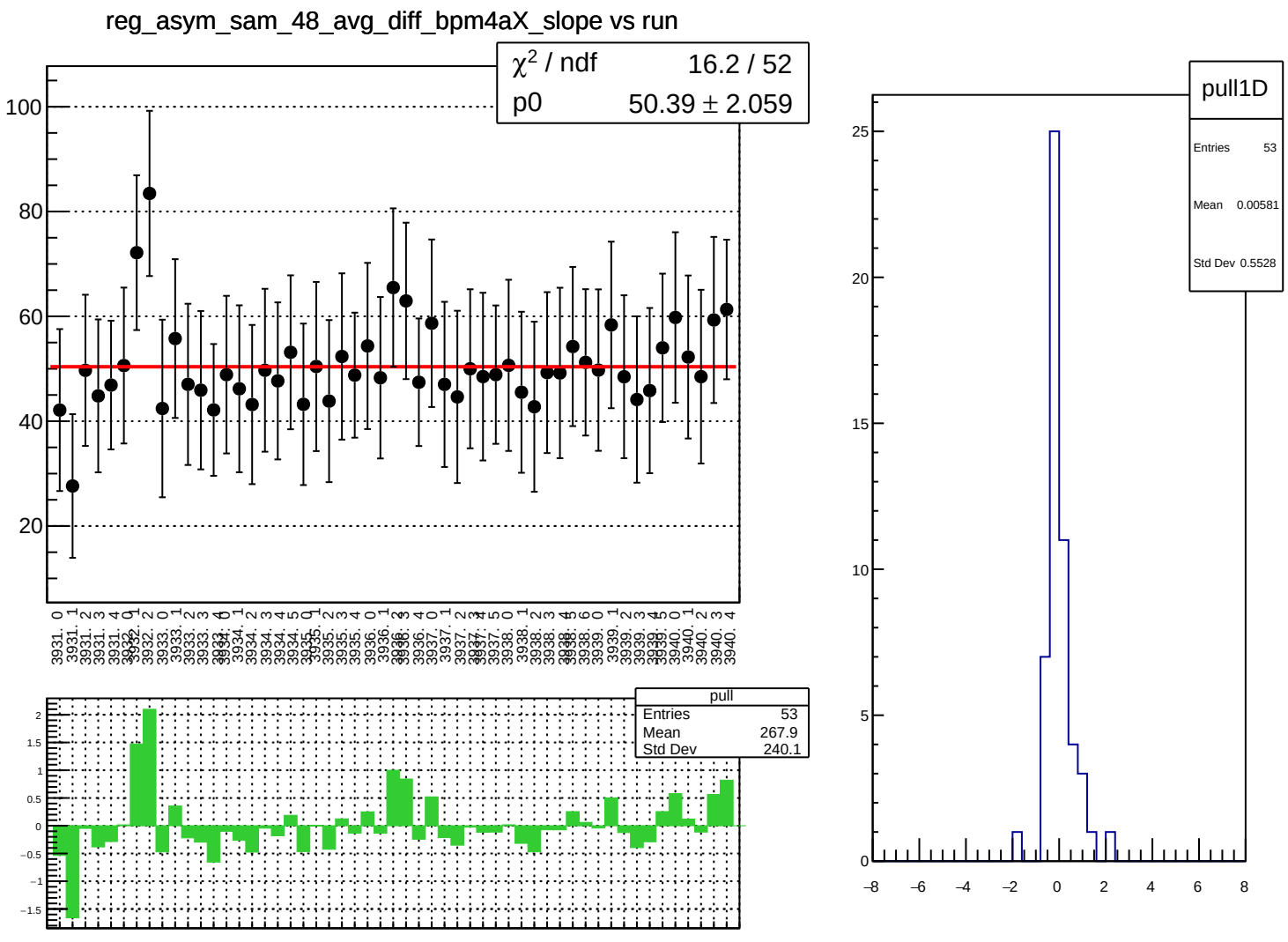

pull1D
Entries 53
Mean 0.02593
Std Dev 0.6854

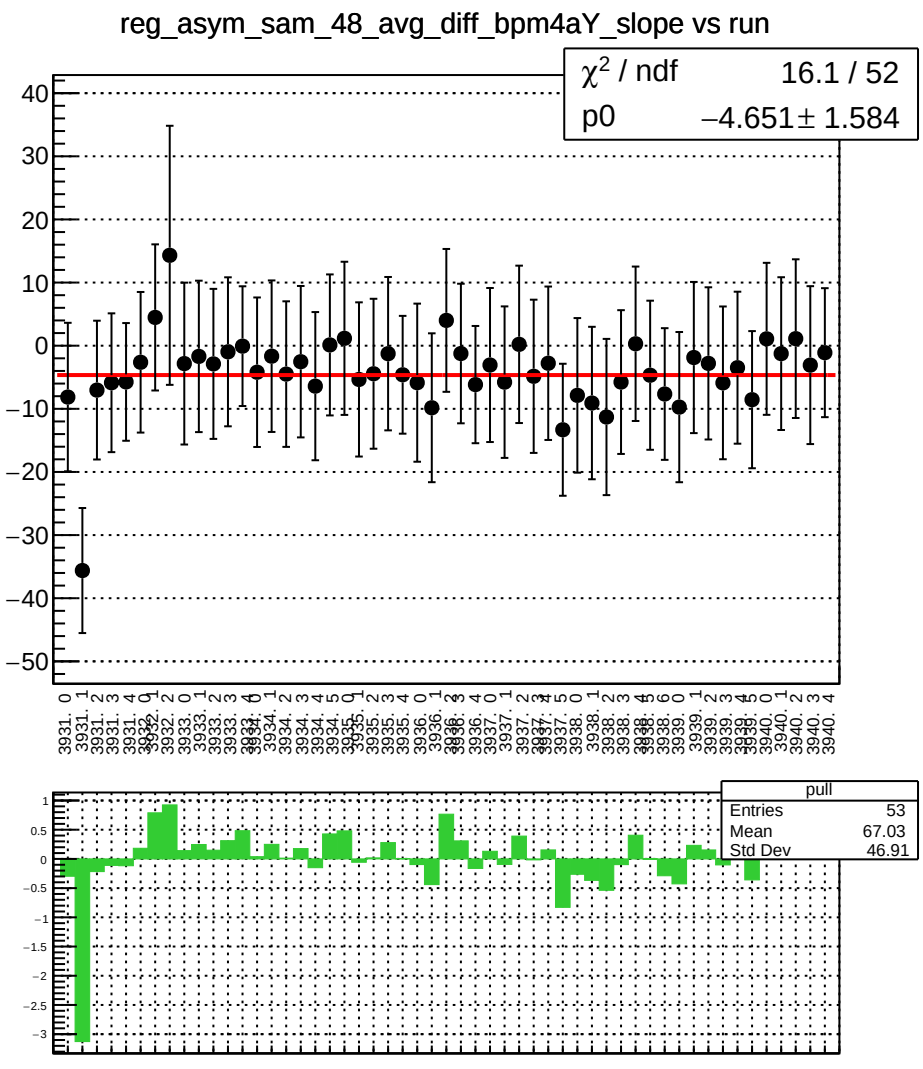

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.8 / 52
p0 −470.2 ± 0.9082
pull
Entries 53
Mean −483.8
Std Dev 511.6

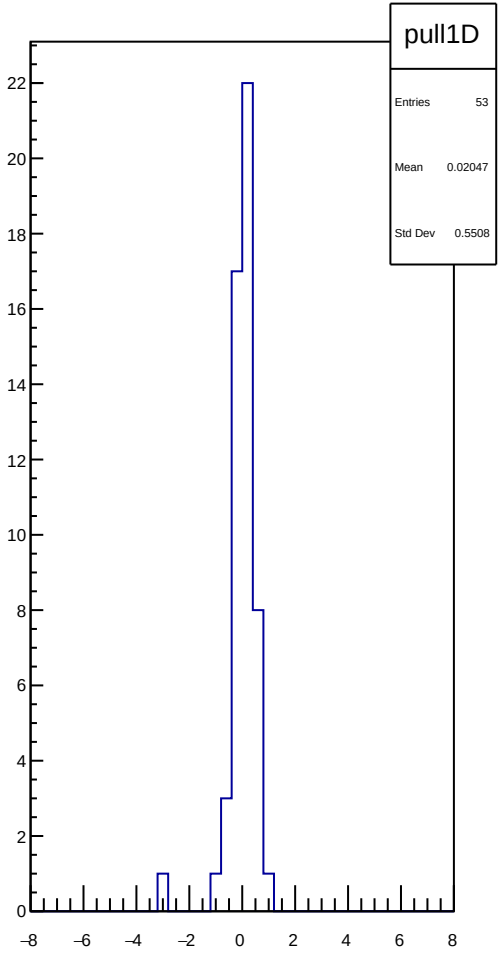

pull1D
Entries 53
Mean 0.01306
Std Dev 0.5955

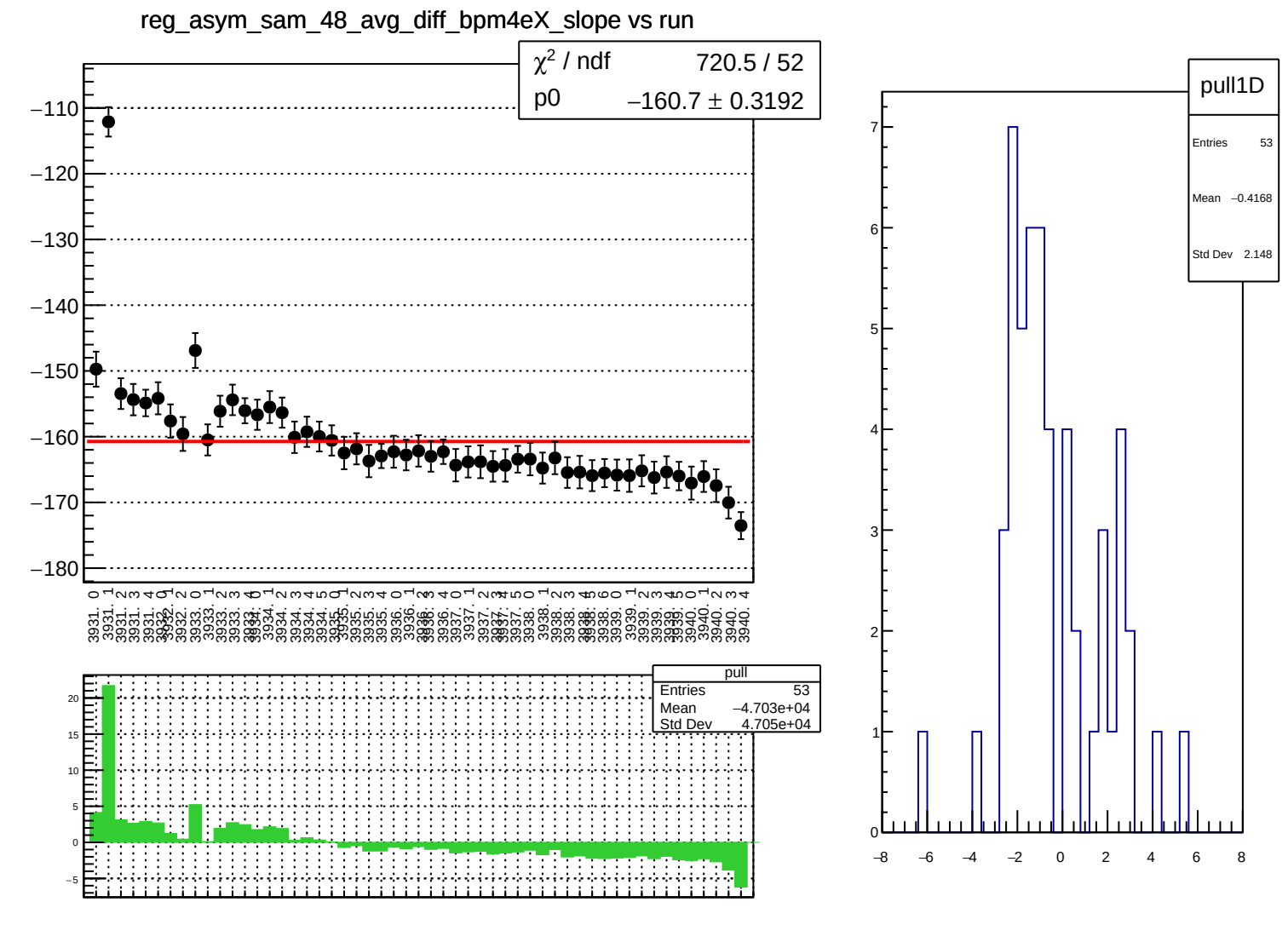

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.57 / 52
p0 74.04 ± 7.634
pull
Entries 53
Mean 983.1
Std Dev 954.6
pull1D
Entries 53
Mean −0.002379
Std Dev 0.5758

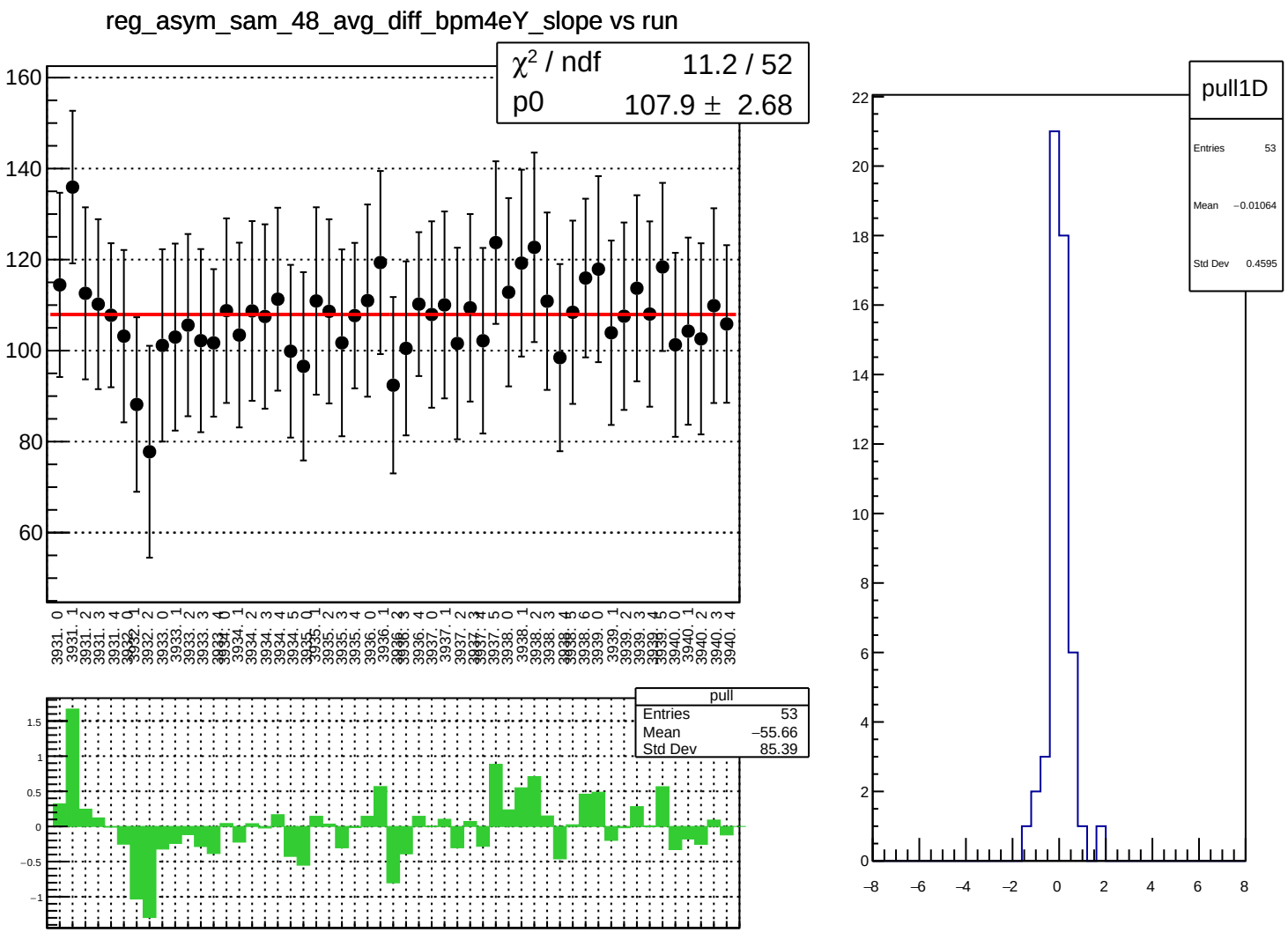

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 20.59 / 52
p0 −1.207 ± 1.19
pull
Entries 53
Mean 593.7
Std Dev 569.8
pull1D
Entries 53
Mean −0.01219
Std Dev 0.6232

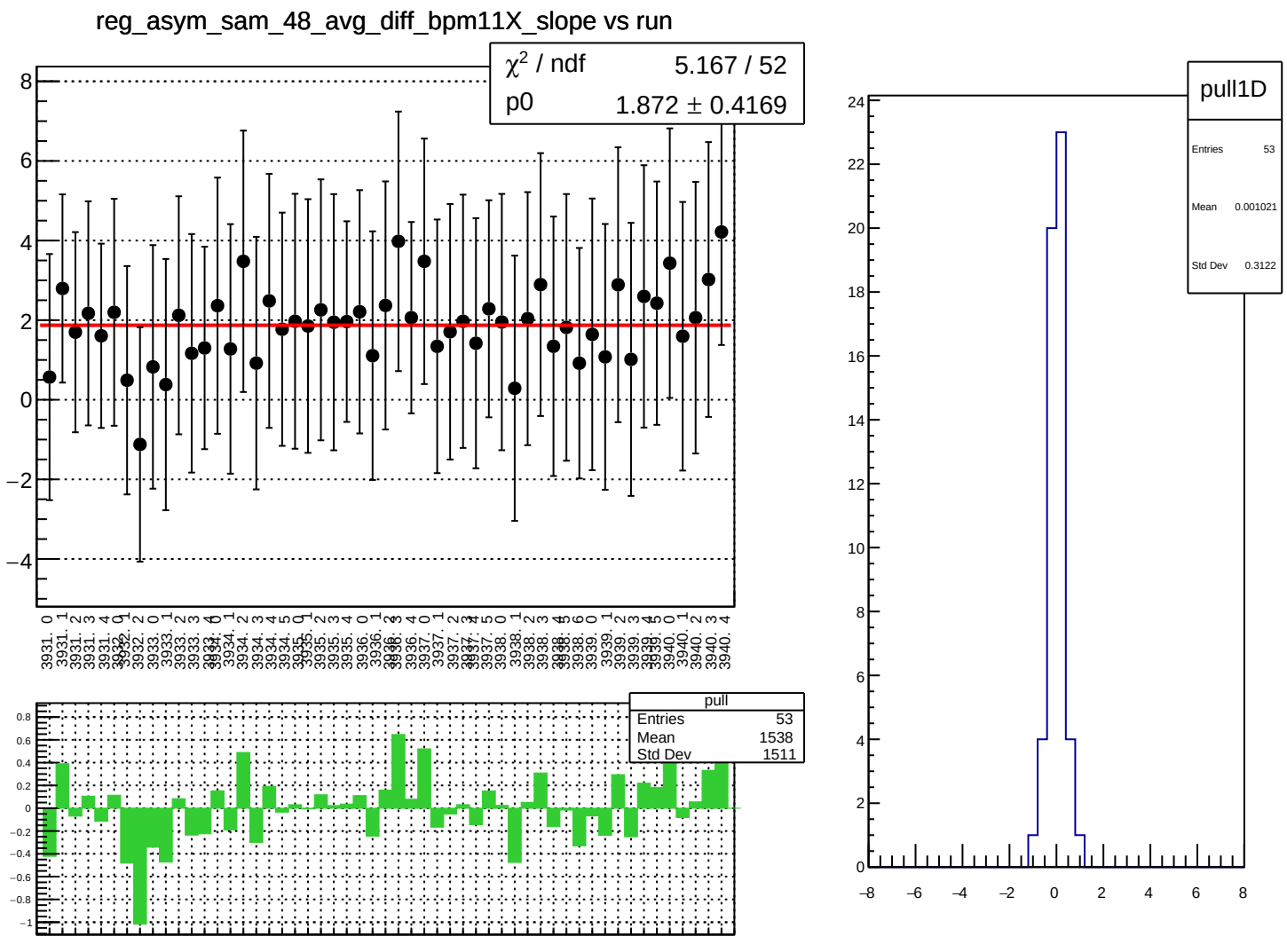

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 16.2 / 52
p0 50.39 ± 2.059
pull
Entries 53
Mean 267.9
Std Dev 240.1
pull1D
Entries 53
Mean 0.00581
Std Dev 0.5528

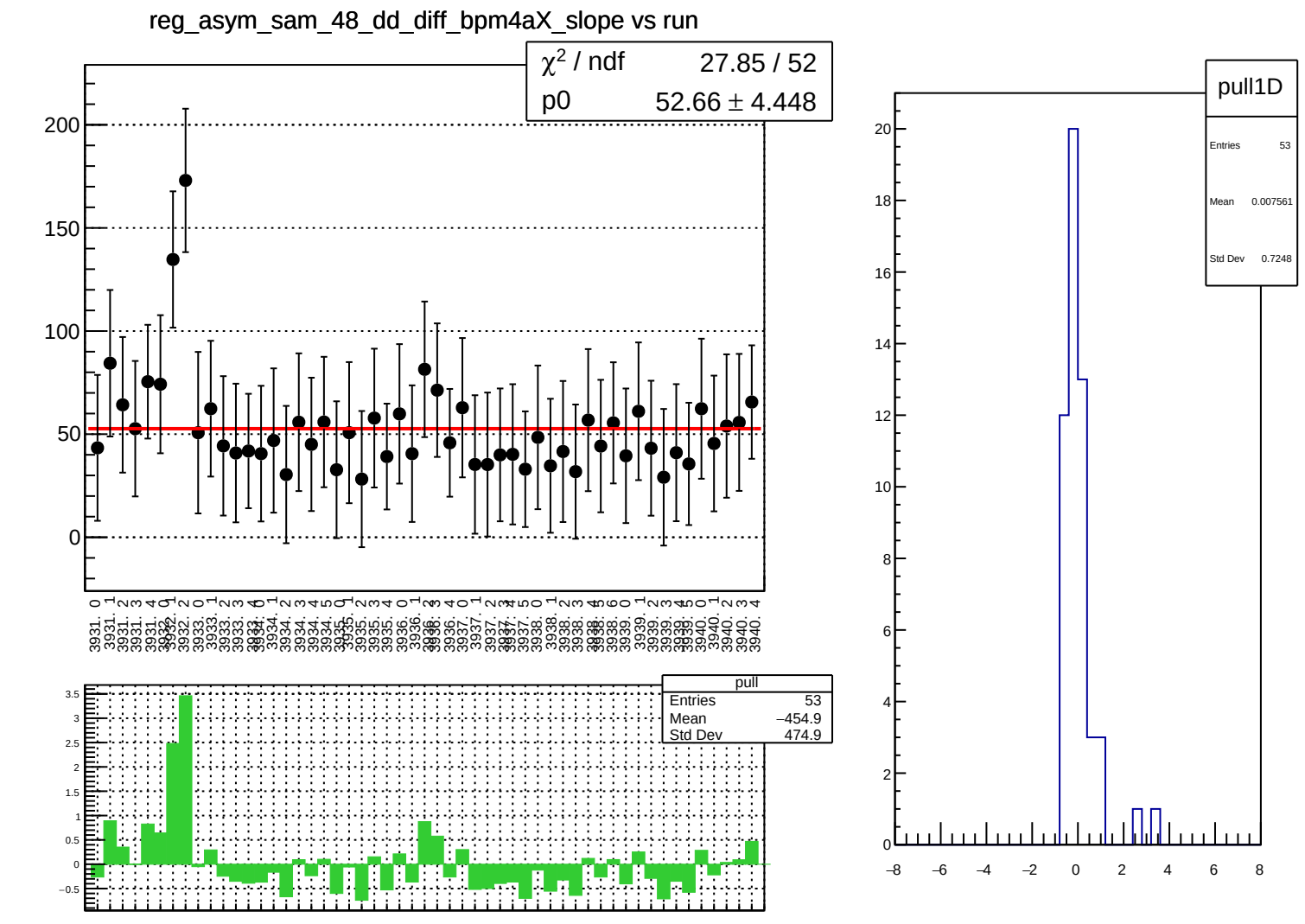

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.1 / 52
p0 −4.651 ± 1.584
pull
Entries 53
Mean 67.03
Std Dev 46.91

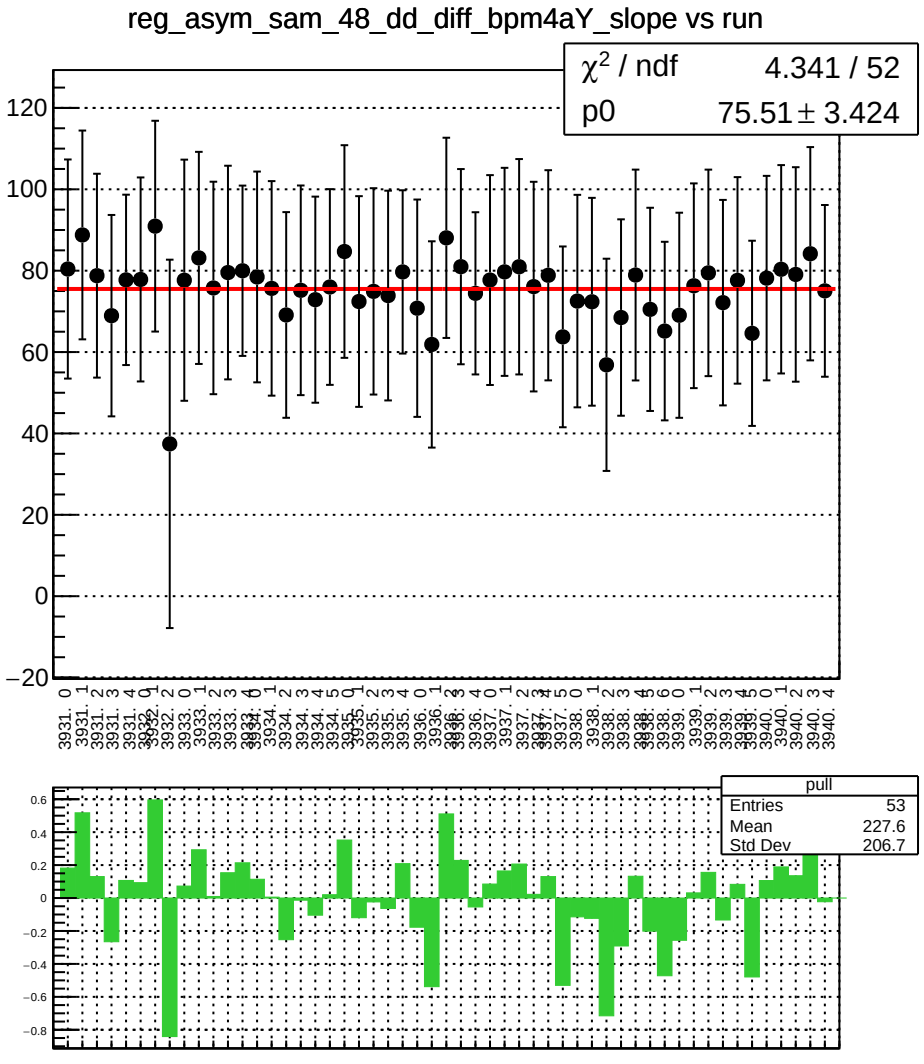

pull1D
Entries 53
Mean 0.02047
Std Dev 0.5508

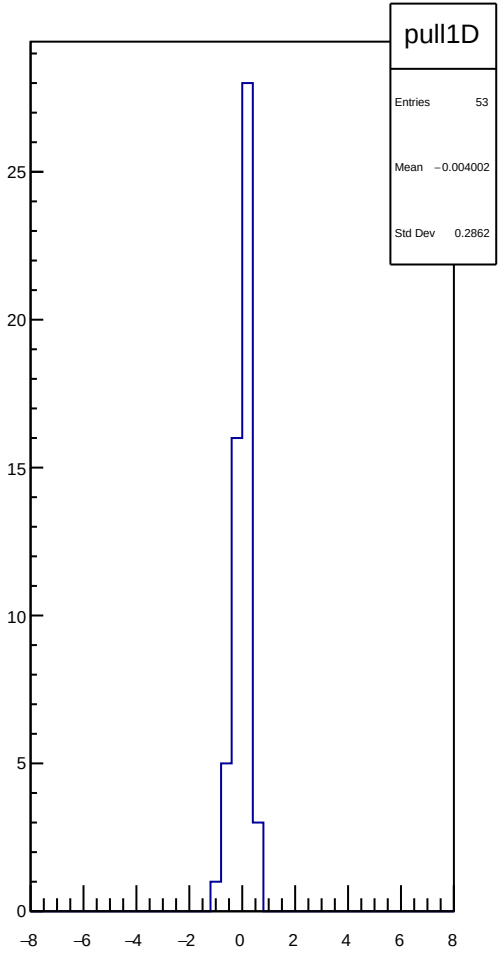

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 720.5 / 52
p0 −160.7 ± 0.3192
pull
Entries 53
Mean −4.703e+04
Std Dev 4.705e+04
pull1D
Entries 53
Mean −0.4168
Std Dev 2.148

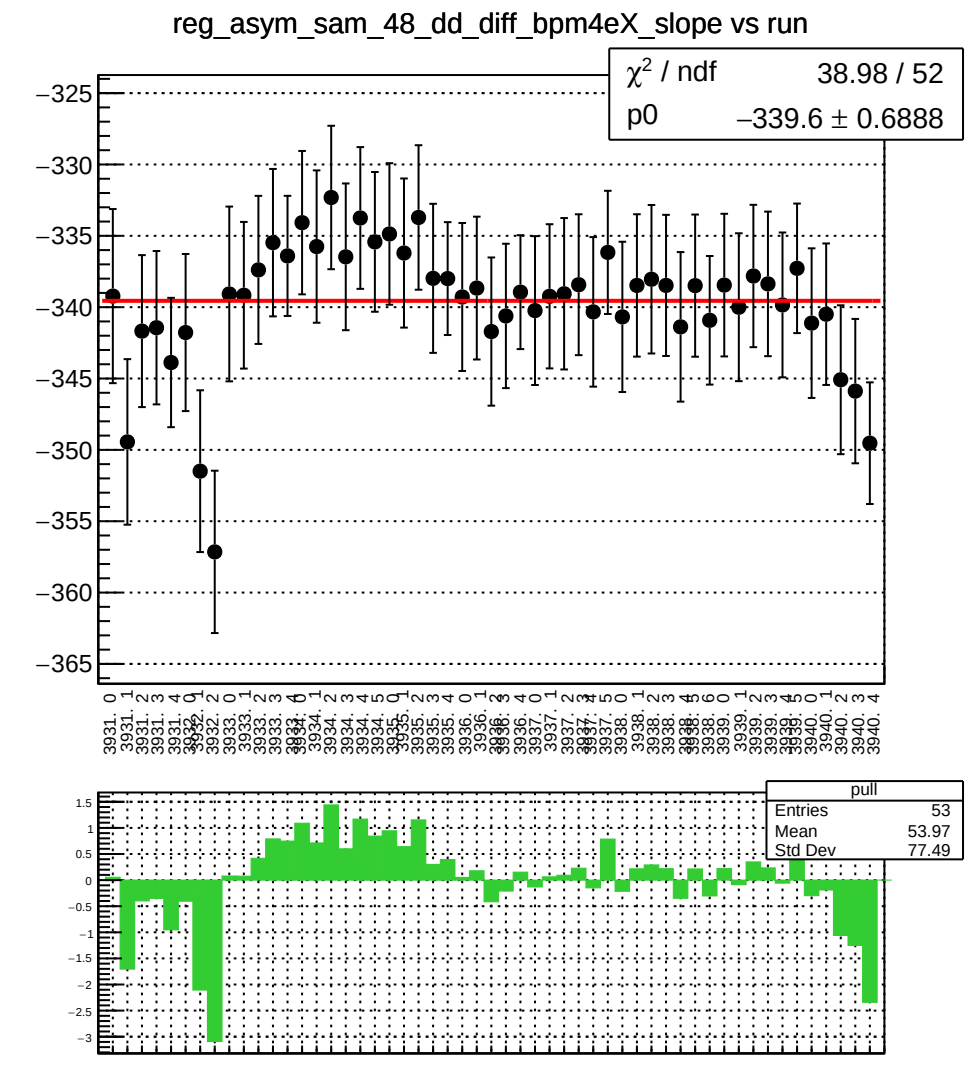

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.2 / 52
p0 107.9 ± 2.68
160
140
120
100
80
60
pull
Entries 53
Mean −55.66
Std Dev 85.39
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 53
Mean −0.01064
Std Dev 0.4595
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

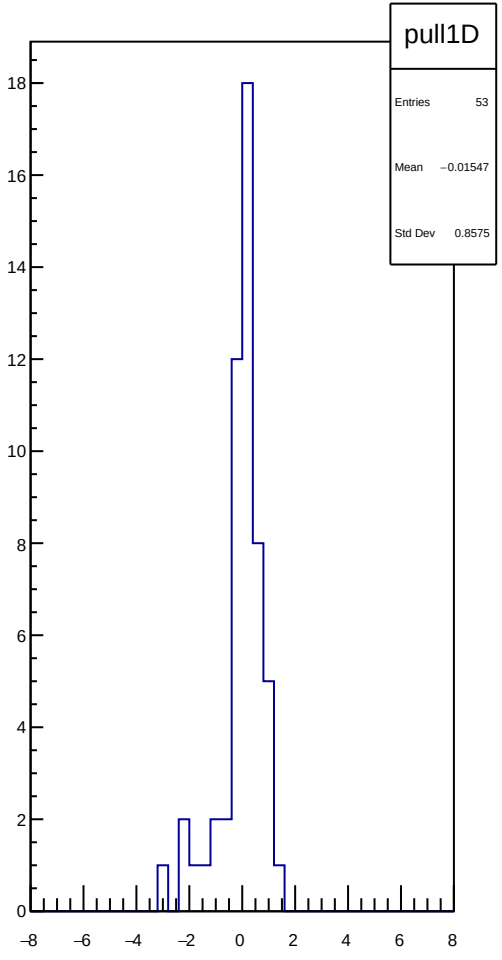

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 5.167 / 52
p0 1.872 ± 0.4169
pull
Entries 53
Mean 1538
Std Dev 1511
pull1D
Entries 53
Mean 0.001021
Std Dev 0.3122

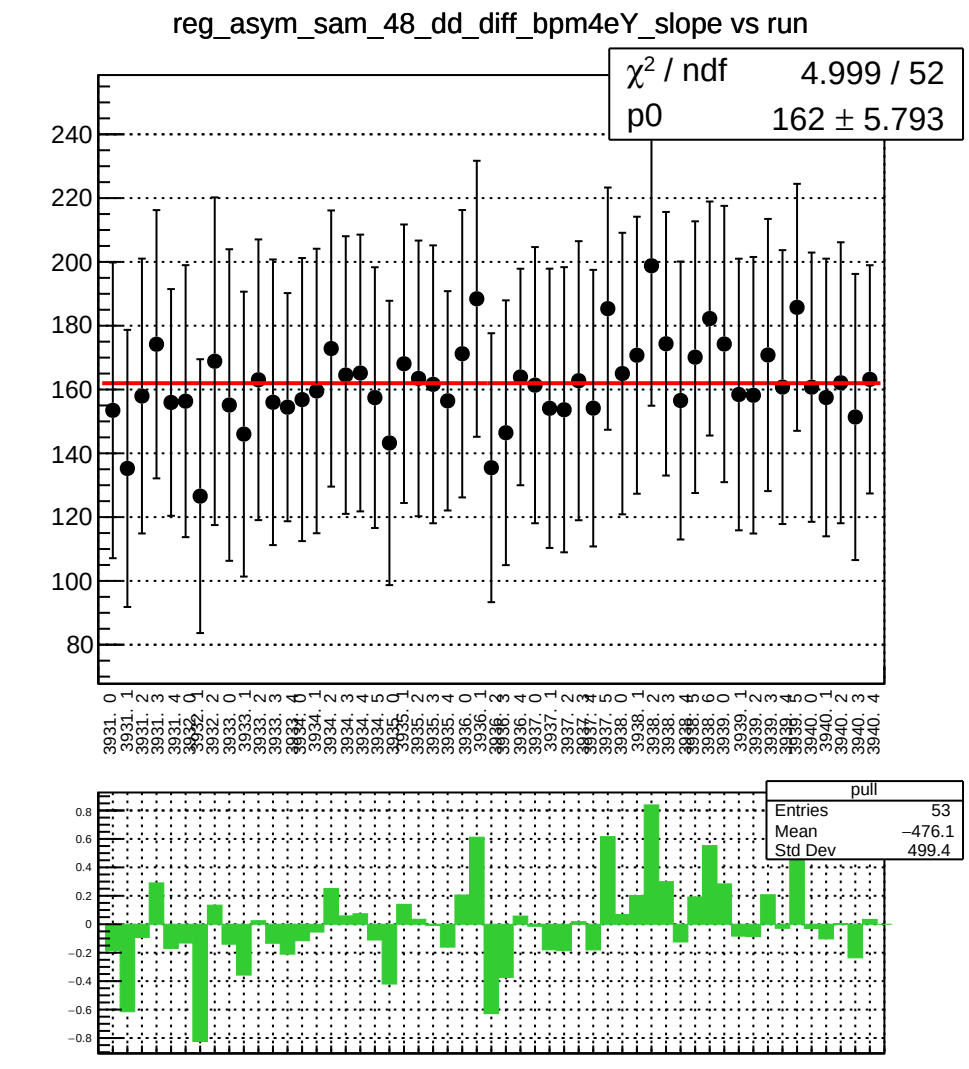

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 27.85 / 52
p0 52.66 ± 4.448
200
150
100
50
0
pull
Entries 53
Mean −454.9
Std Dev 474.9
3.5
3
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 53
Mean 0.007561
Std Dev 0.7248
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

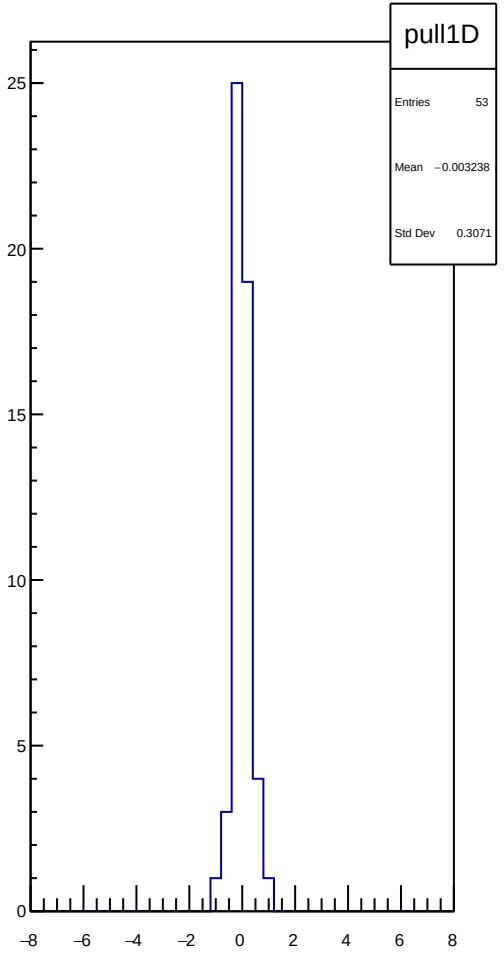

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.341 / 52
p0 75.51 ± 3.424
pull
Entries 53
Mean 227.6
Std Dev 206.7

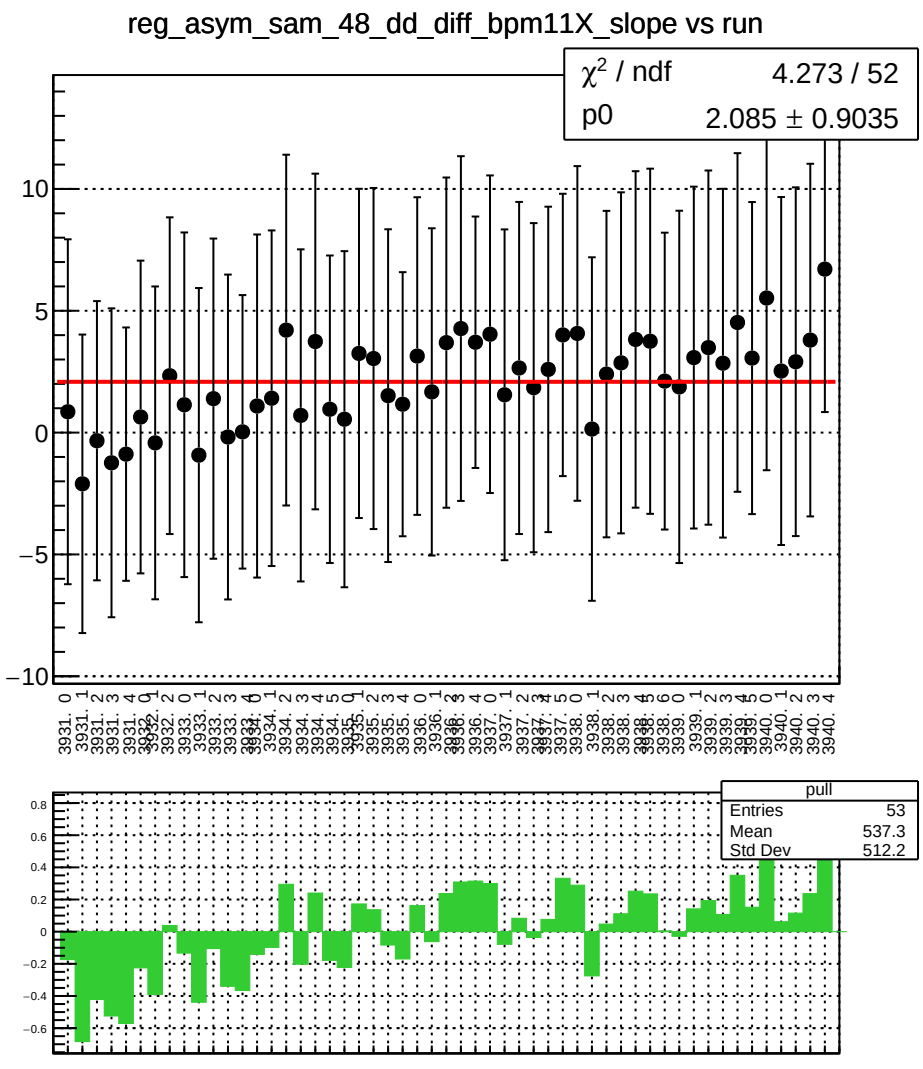

pull1D
Entries 53
Mean −0.004002
Std Dev 0.2862

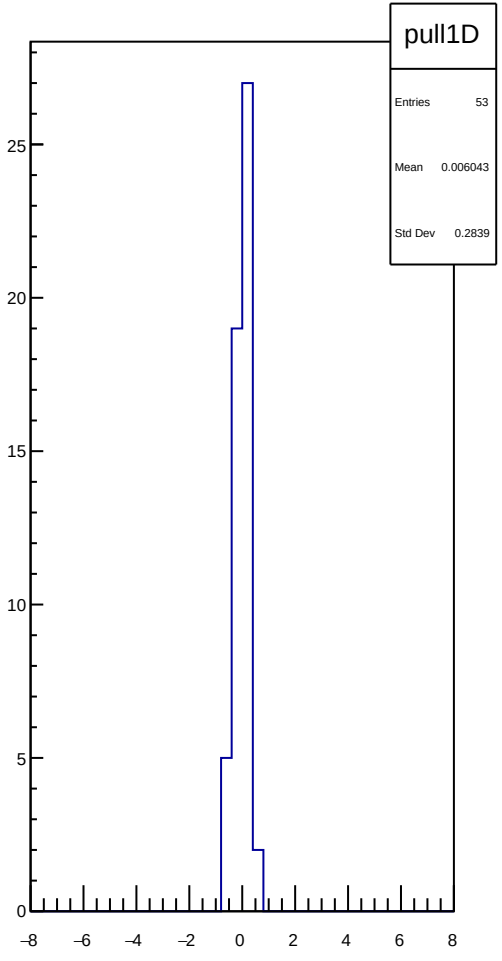

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.98 / 52
p0 −339.6 ± 0.6888
pull
Entries 53
Mean 53.97
Std Dev 77.49

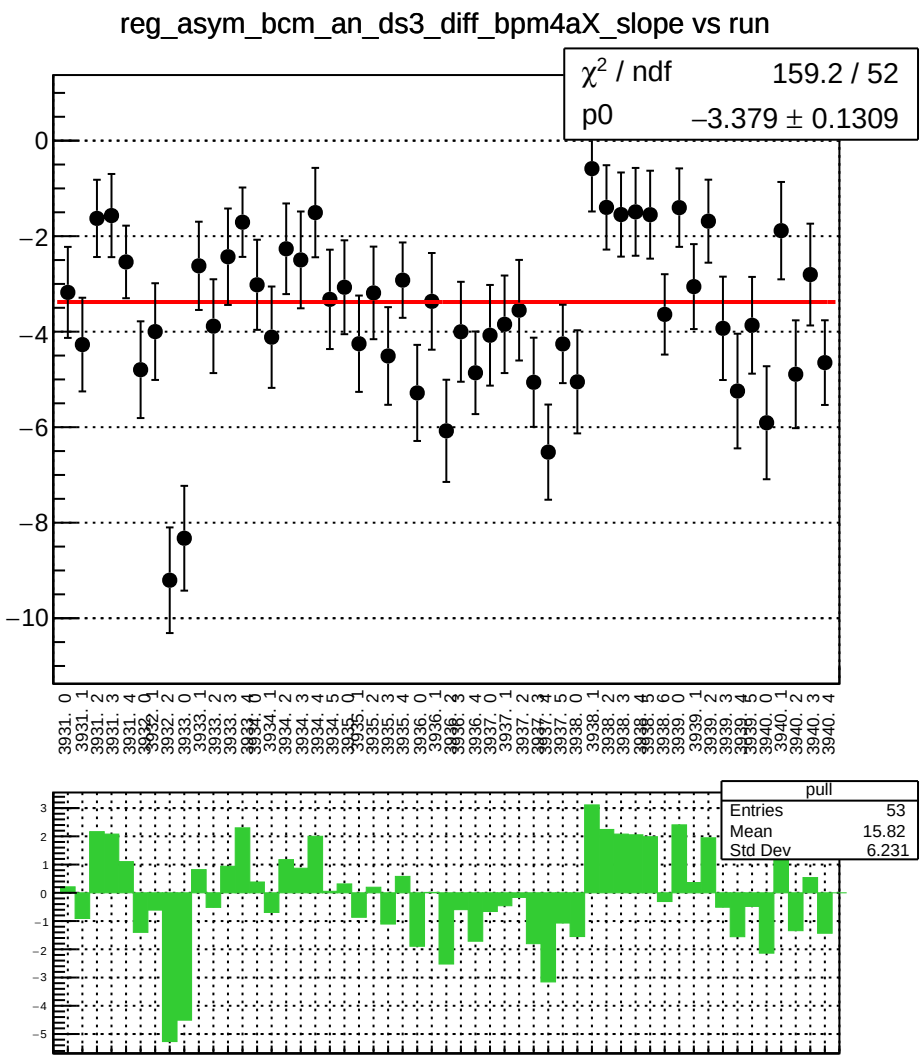

pull1D
Entries 53
Mean −0.01547
Std Dev 0.8575

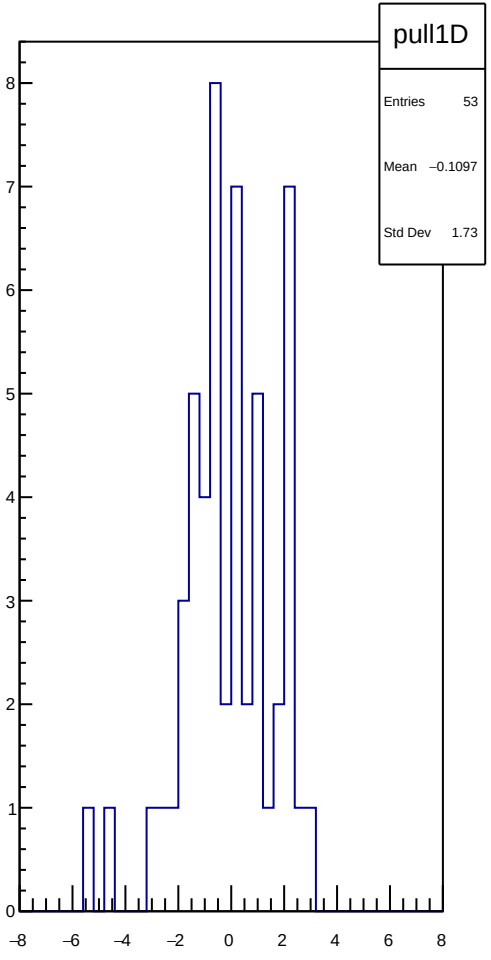

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.999 / 52
p0 162 ± 5.793
pull
Entries 53
Mean −476.1
Std Dev 499.4

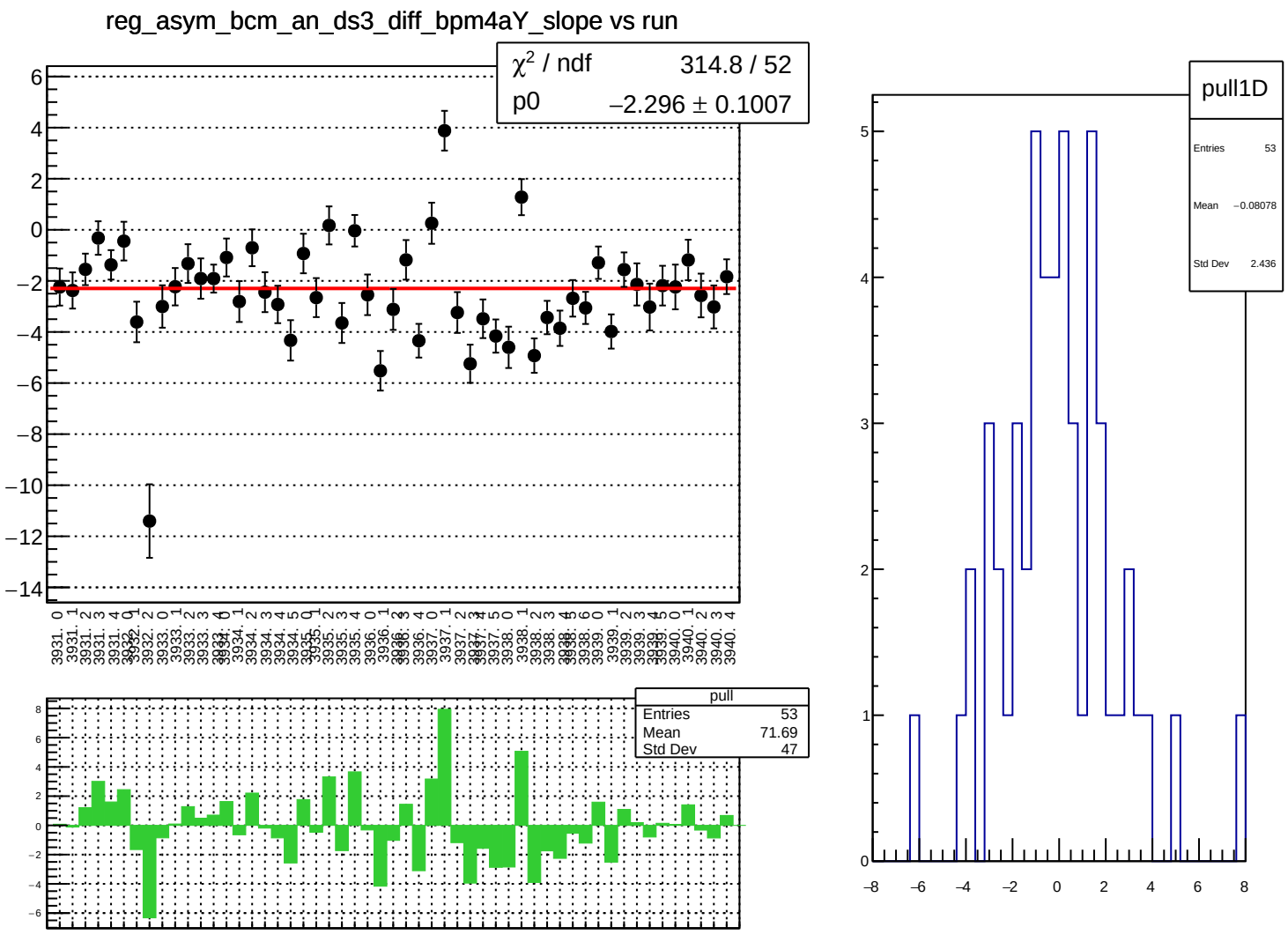

pull1D
Entries 53
Mean −0.003238
Std Dev 0.3071

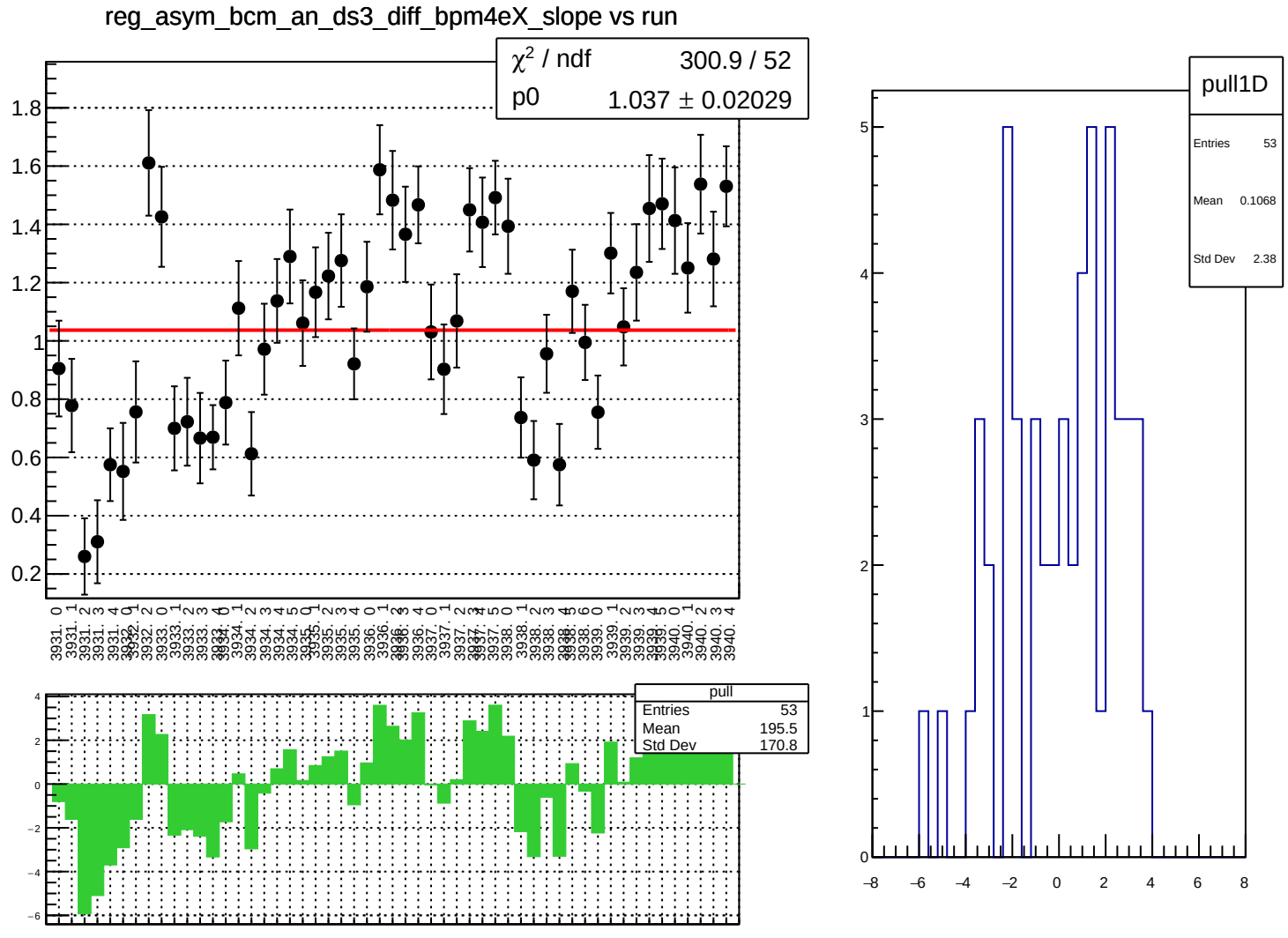

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 4.273 / 52
p0 2.085 ± 0.9035
pull
Entries 53
Mean 537.3
Std Dev 512.2

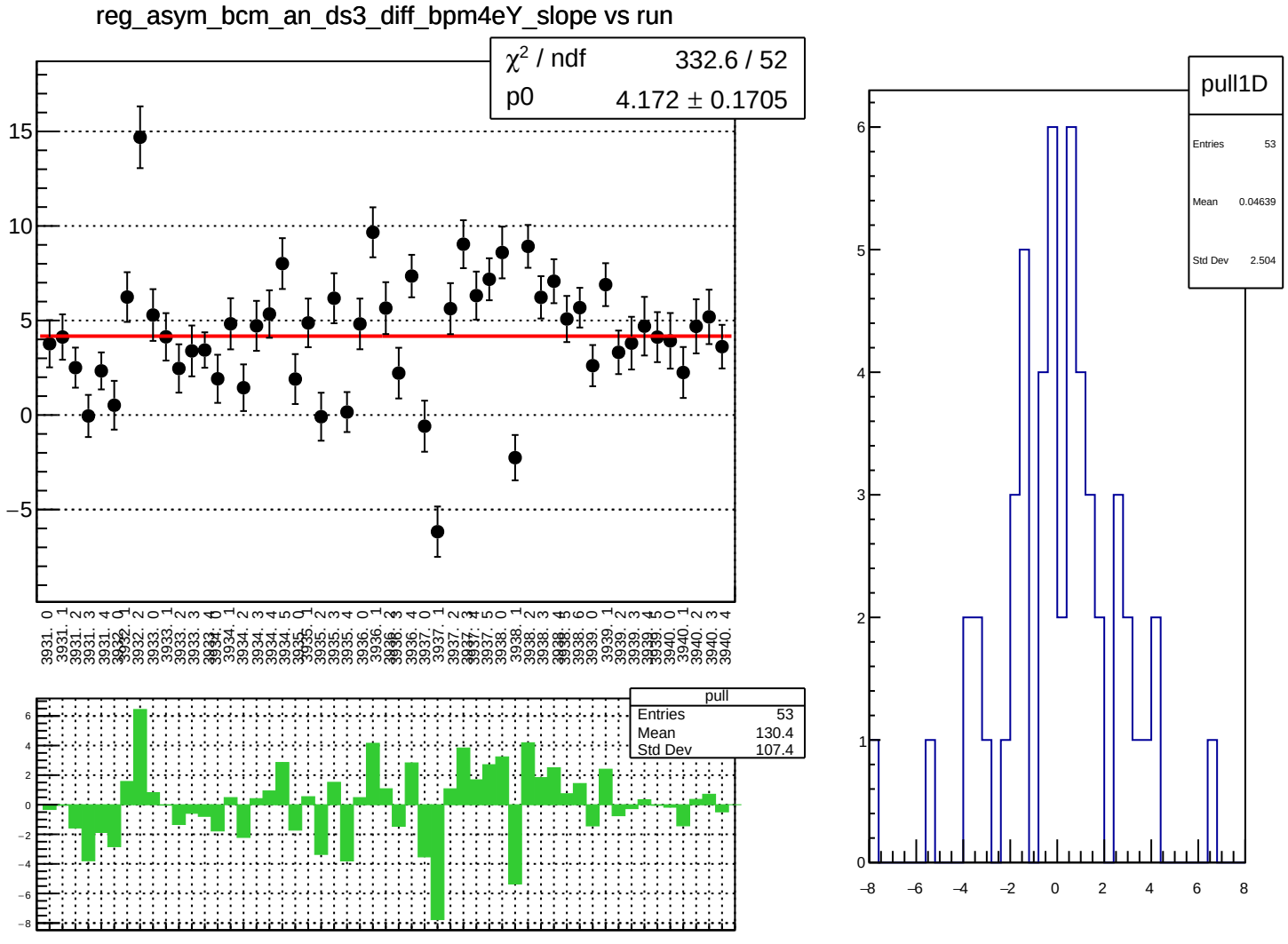

pull1D
Entries 53
Mean 0.006043
Std Dev 0.2839

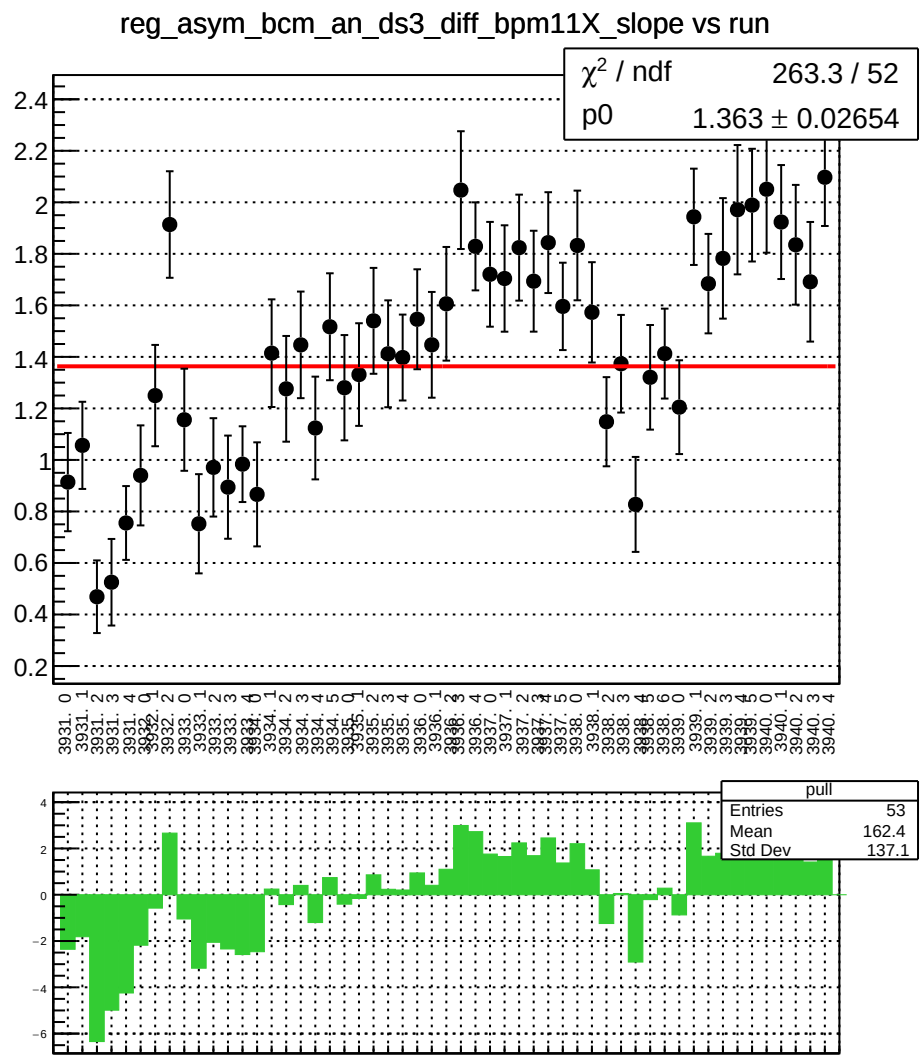

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 159.2 / 52
p0 −3.379 ± 0.1309
pull
Entries 53
Mean 15.82
Std Dev 6.231

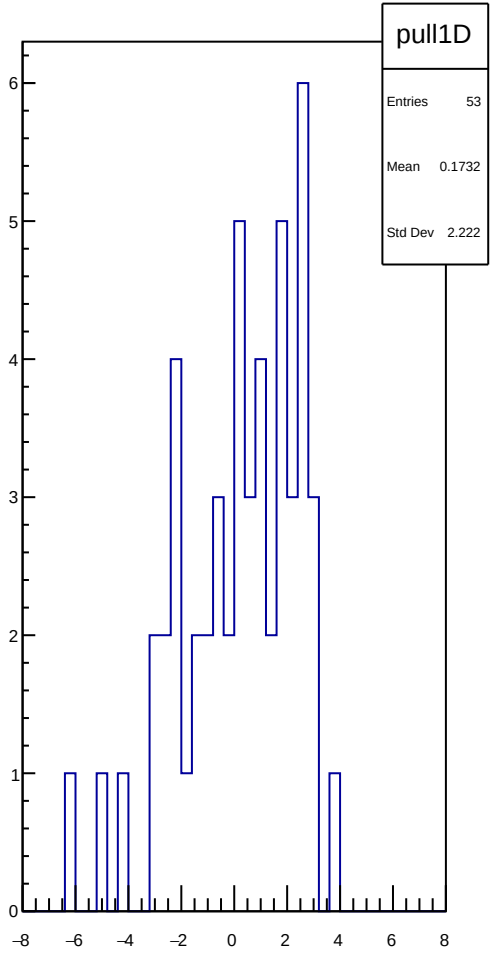

pull1D
Entries 53
Mean −0.1097
Std Dev 1.73

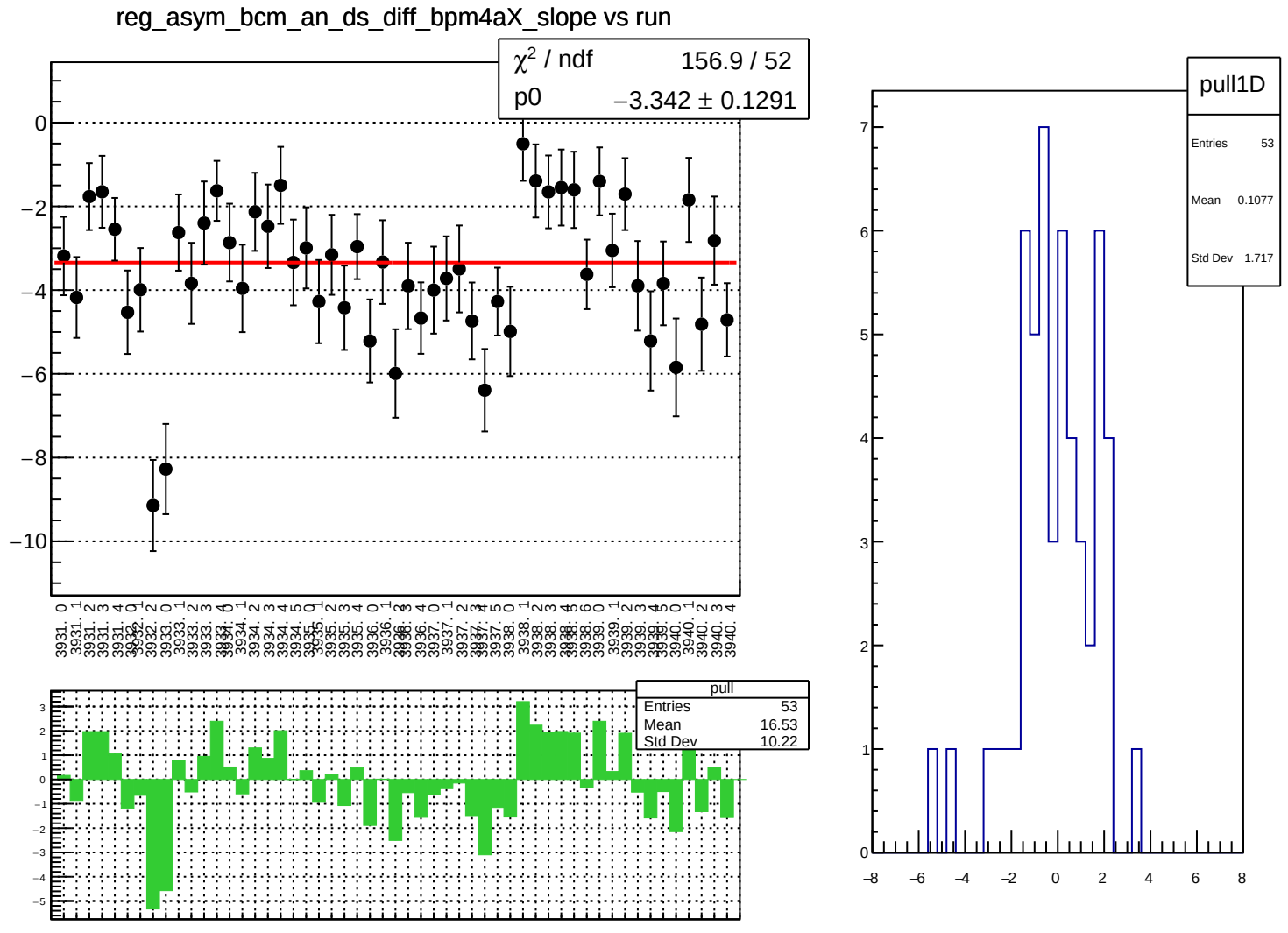

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 314.8 / 52
p0 −2.296 ± 0.1007
pull
Entries 53
Mean 71.69
Std Dev 47
pull1D
Entries 53
Mean −0.08078
Std Dev 2.436

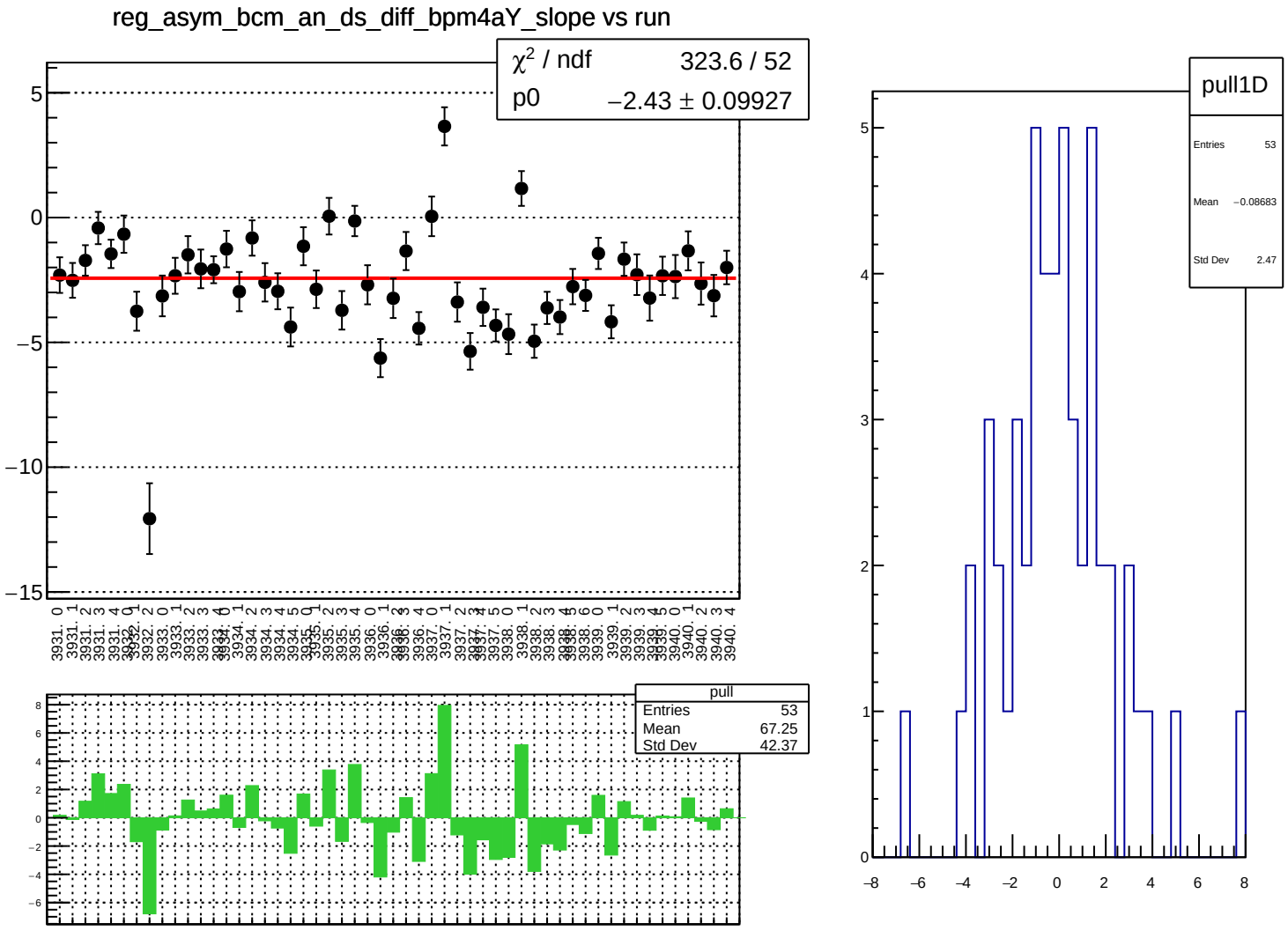

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 300.9 / 52
p0 1.037 ± 0.02029
pull
Entries 53
Mean 195.5
Std Dev 170.8
pull1D
Entries 53
Mean 0.1068
Std Dev 2.38

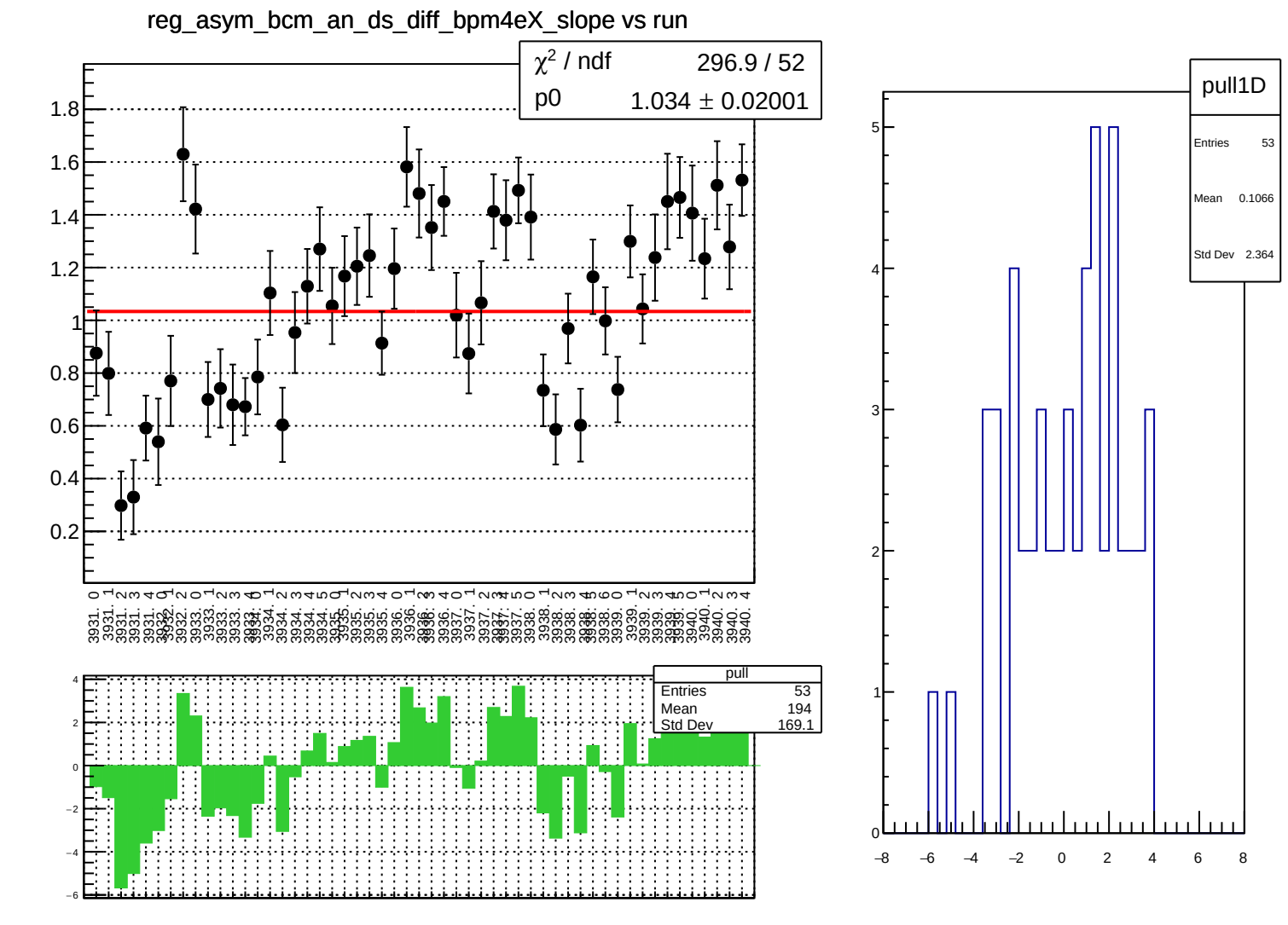

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 332.6 / 52
p0 4.172 ± 0.1705
pull
Entries 53
Mean 130.4
Std Dev 107.4
pull1D
Entries 53
Mean 0.04639
Std Dev 2.504

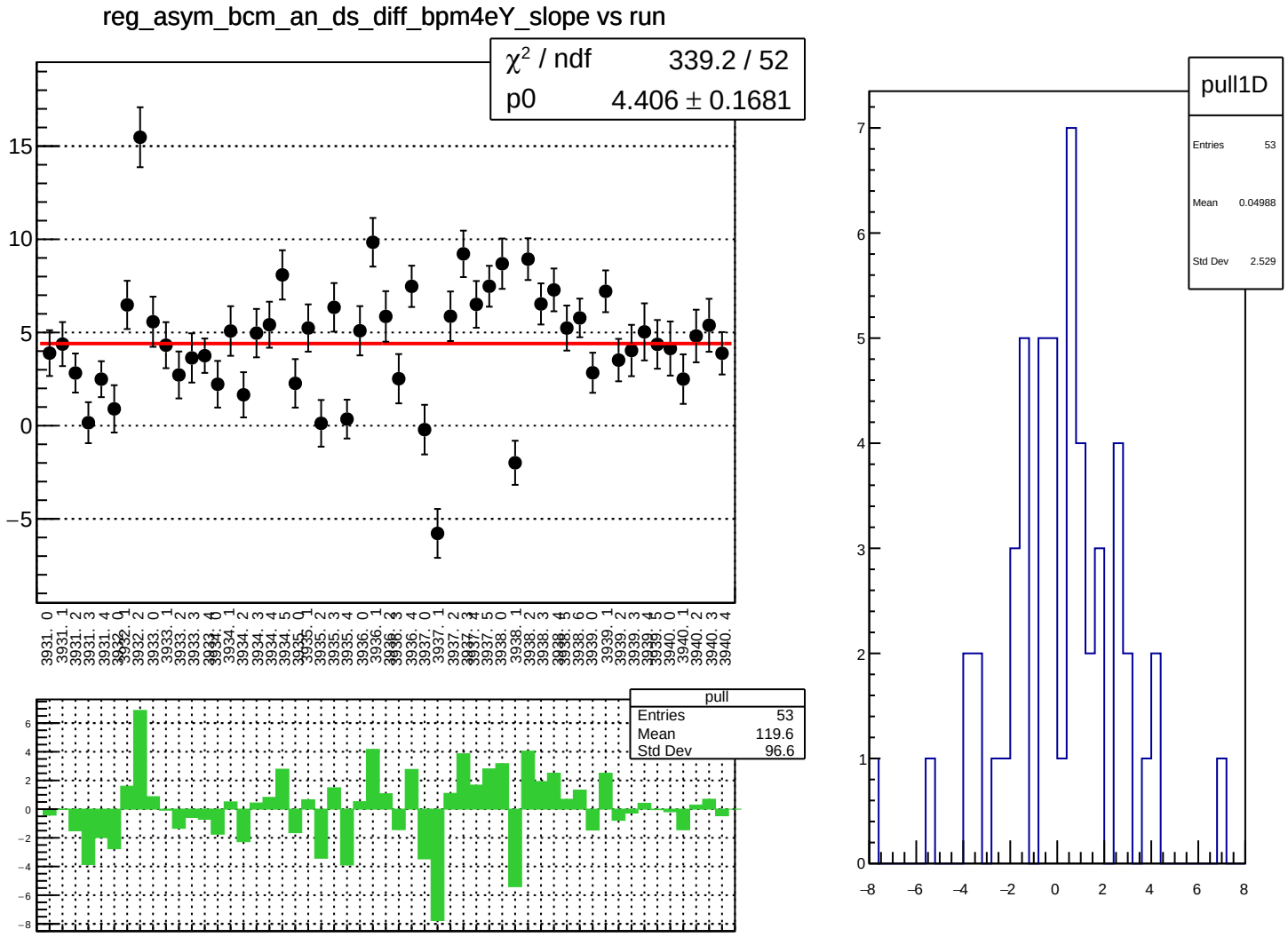

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 263.3 / 52
p0 1.363 ± 0.02654
pull
Entries 53
Mean 162.4
Std Dev 137.1

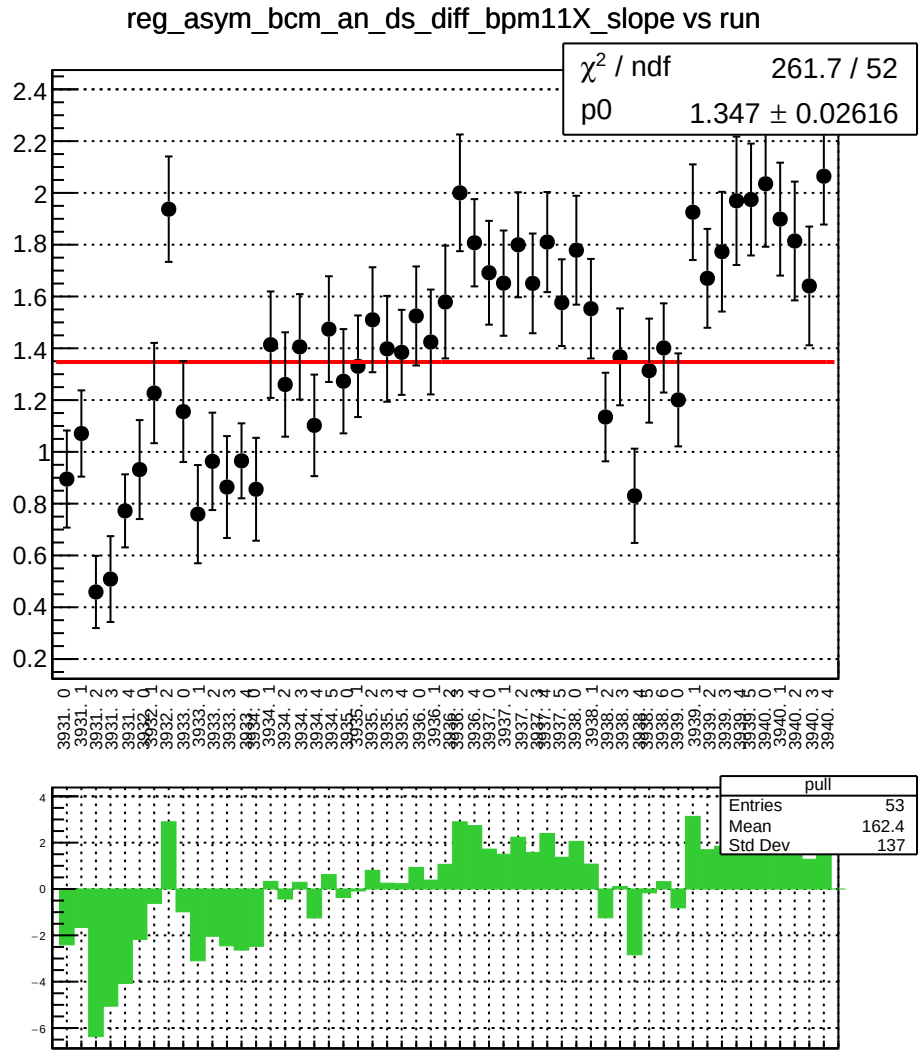

pull1D
Entries 53
Mean 0.1732
Std Dev 2.222

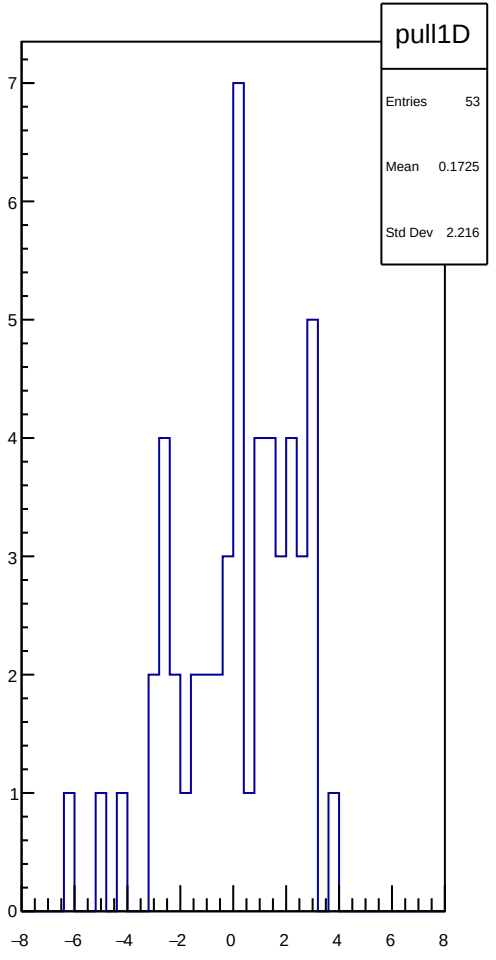

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 156.9 / 52
p0 −3.342 ± 0.1291
pull
Entries 53
Mean 16.53
Std Dev 10.22
pull1D
Entries 53
Mean −0.1077
Std Dev 1.717

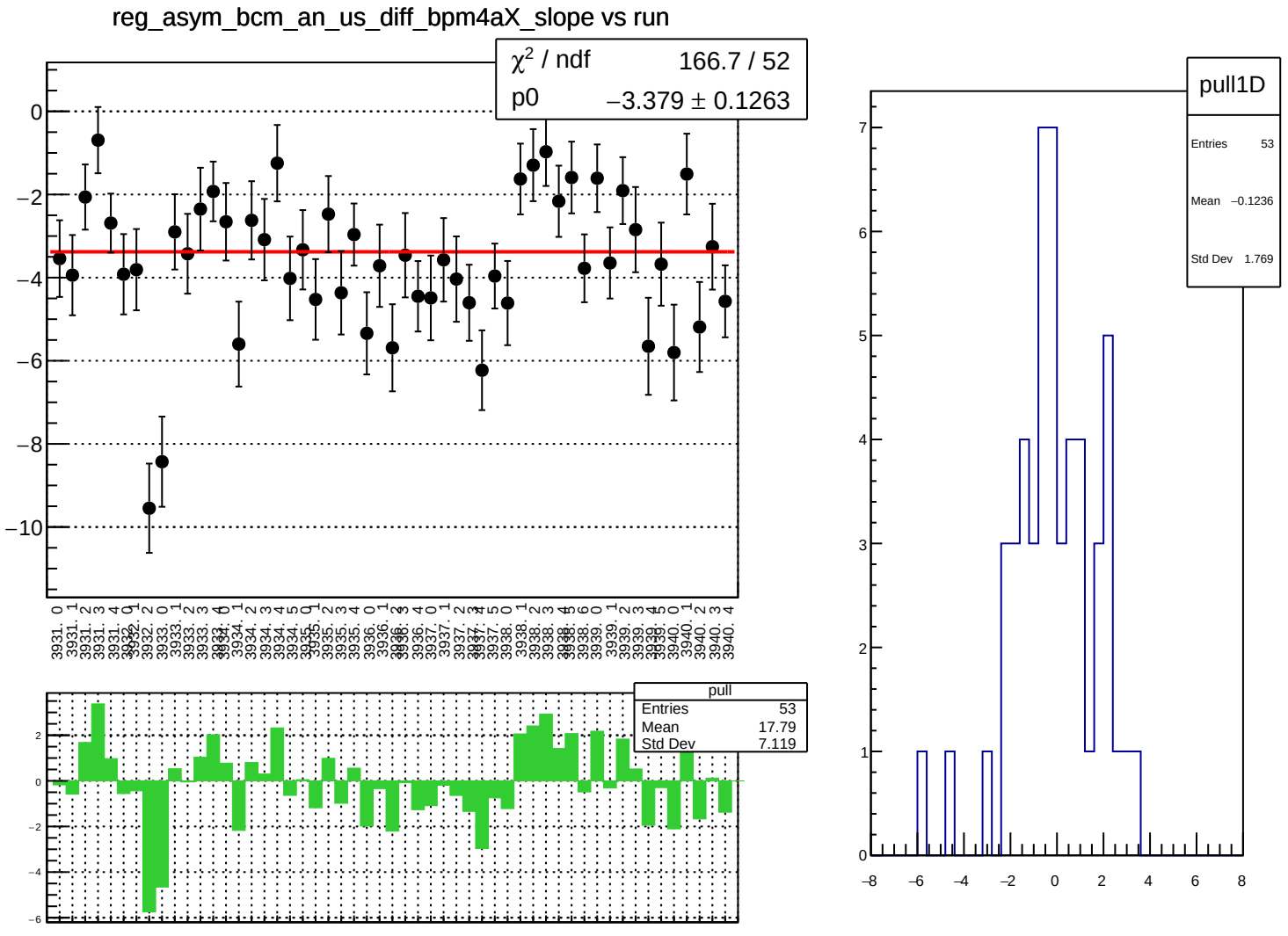

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 323.6 / 52
p0 −2.43 ± 0.09927
pull
Entries 53
Mean 67.25
Std Dev 42.37
pull1D
Entries 53
Mean −0.08683
Std Dev 2.47

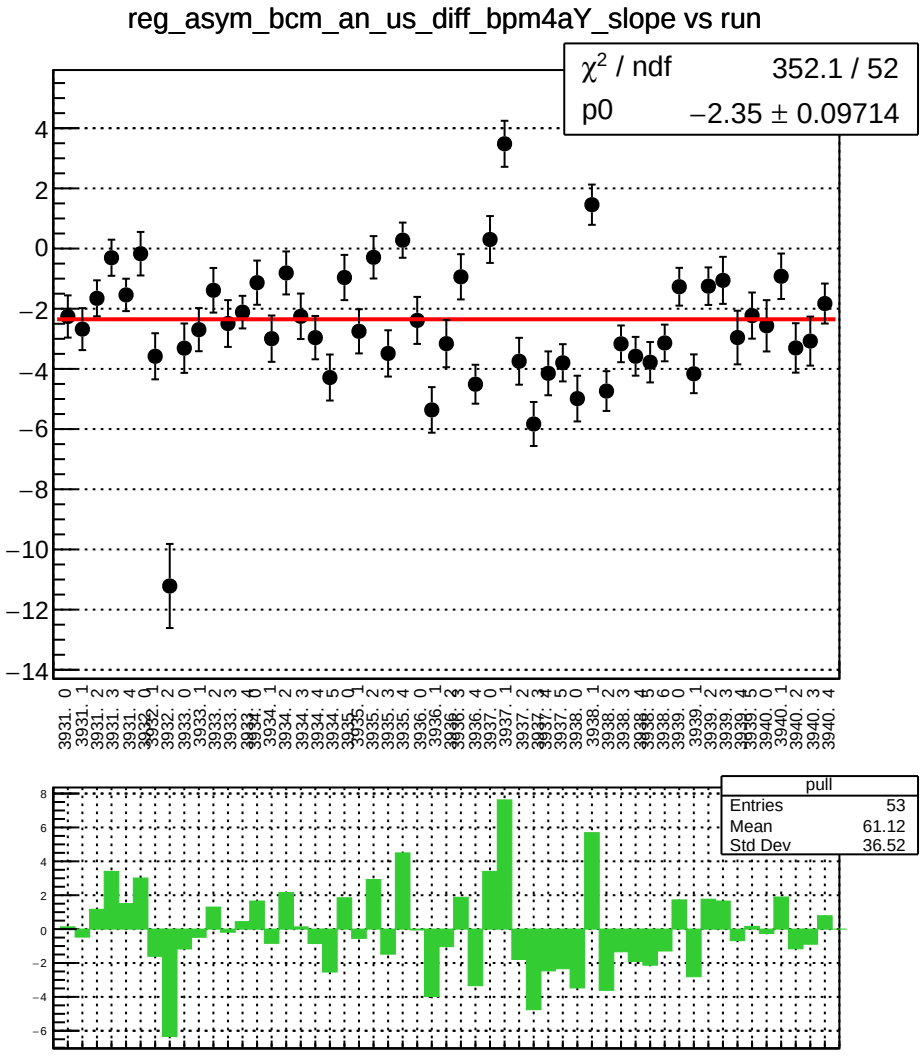

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 296.9 / 52
p0 1.034 ± 0.02001
pull
Entries 53
Mean 194
Std Dev 169.1
pull1D
Entries 53
Mean 0.1066
Std Dev 2.364

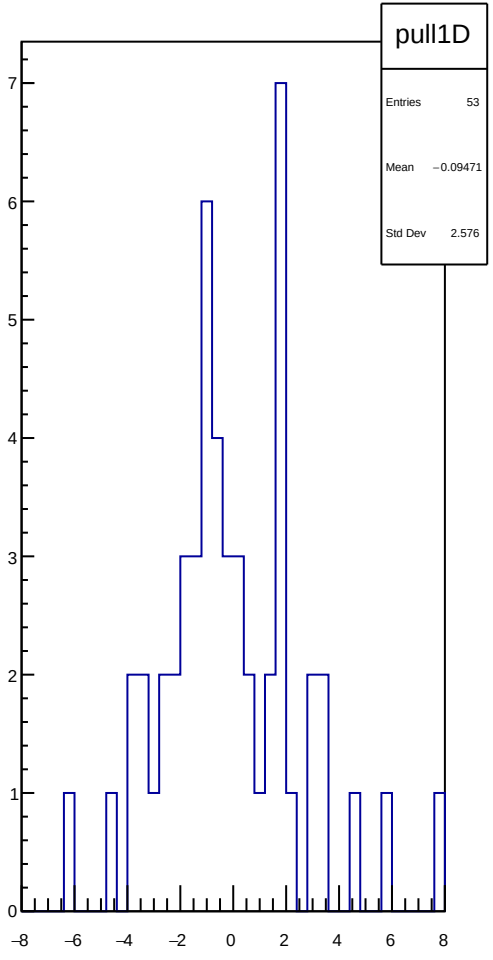

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 339.2 / 52
p0 4.406 ± 0.1681
pull
Entries 53
Mean 119.6
Std Dev 96.6
pull1D
Entries 53
Mean 0.04988
Std Dev 2.529

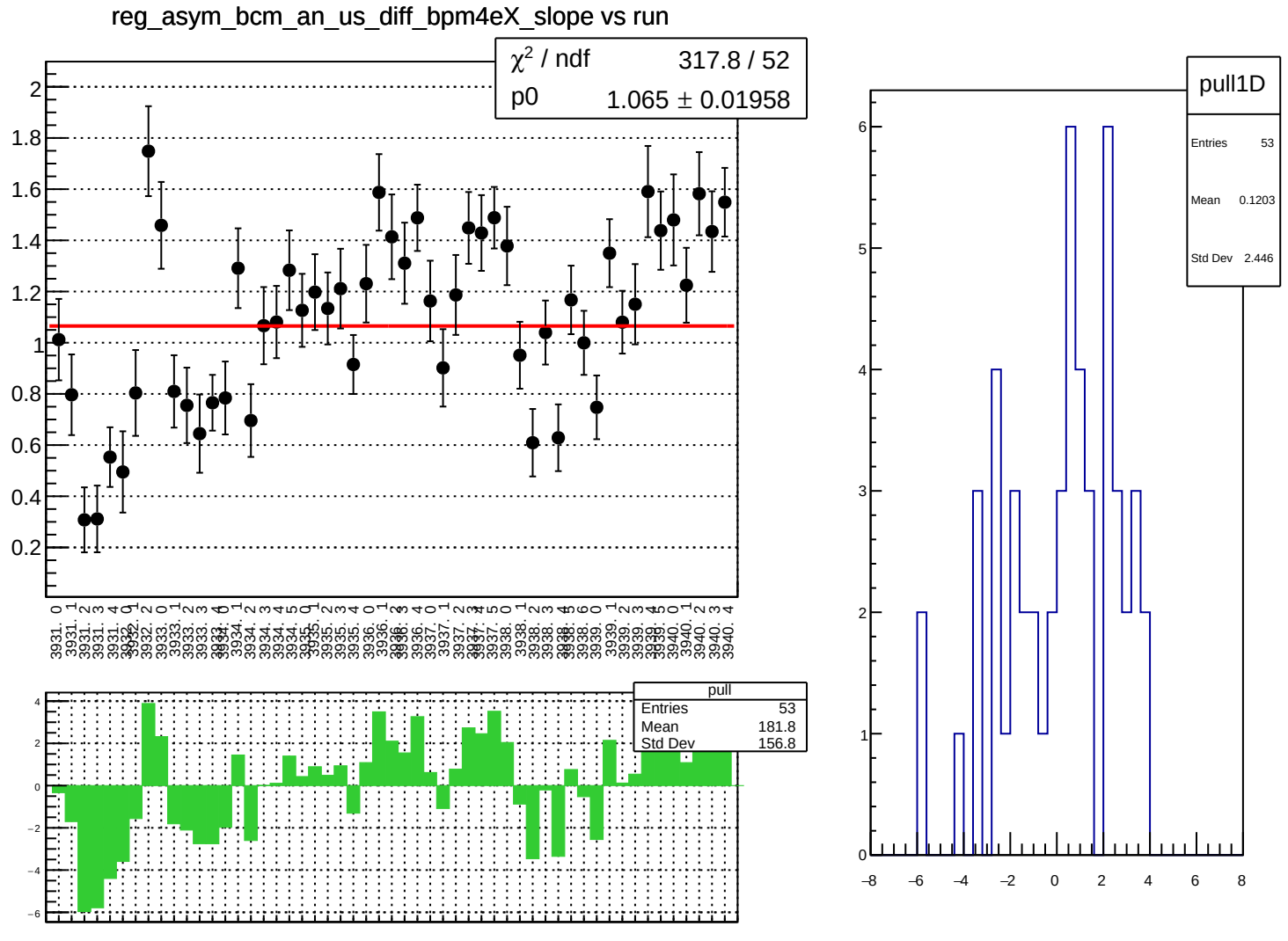

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 261.7 / 52
p0 1.347 ± 0.02616
pull
Entries 53
Mean 162.4
Std Dev 137

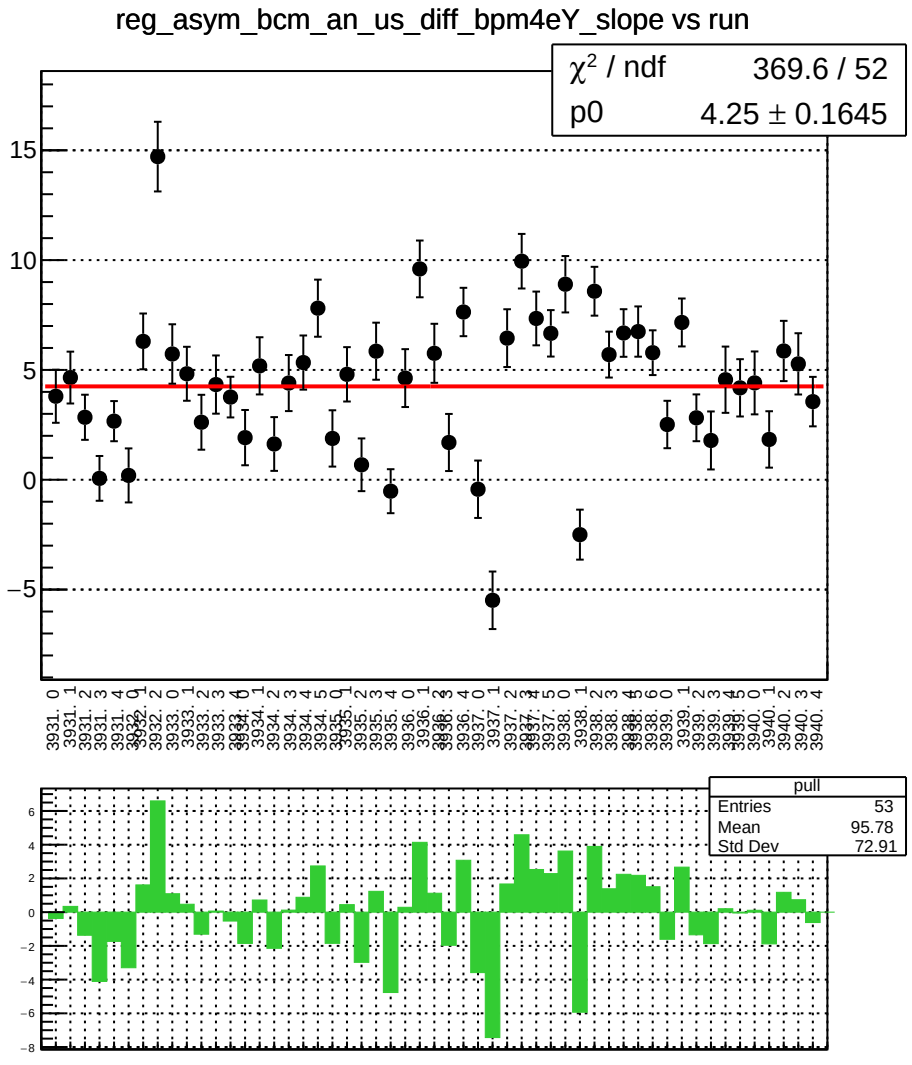

pull1D
Entries 53
Mean 0.1725
Std Dev 2.216

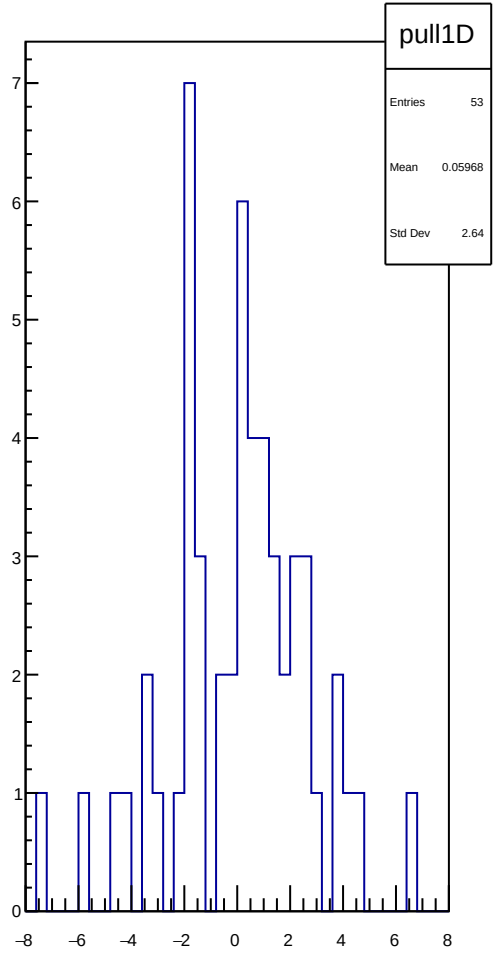

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 166.7 / 52
p0 −3.379 ± 0.1263
pull
Entries 53
Mean 17.79
Std Dev 7.119
pull1D
Entries 53
Mean −0.1236
Std Dev 1.769

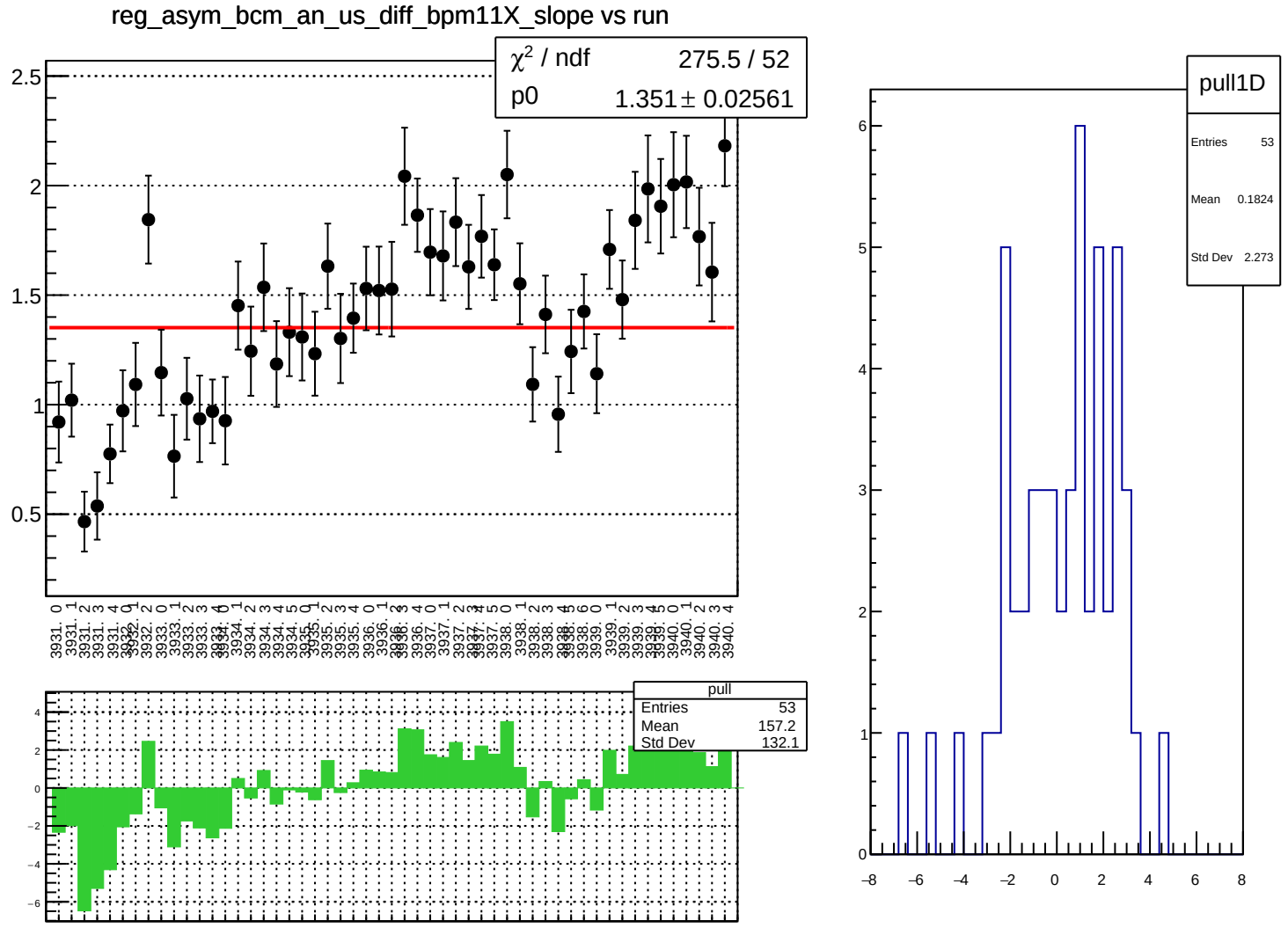

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 352.1 / 52
p0 −2.35 ± 0.09714
pull
Entries 53
Mean 61.12
Std Dev 36.52

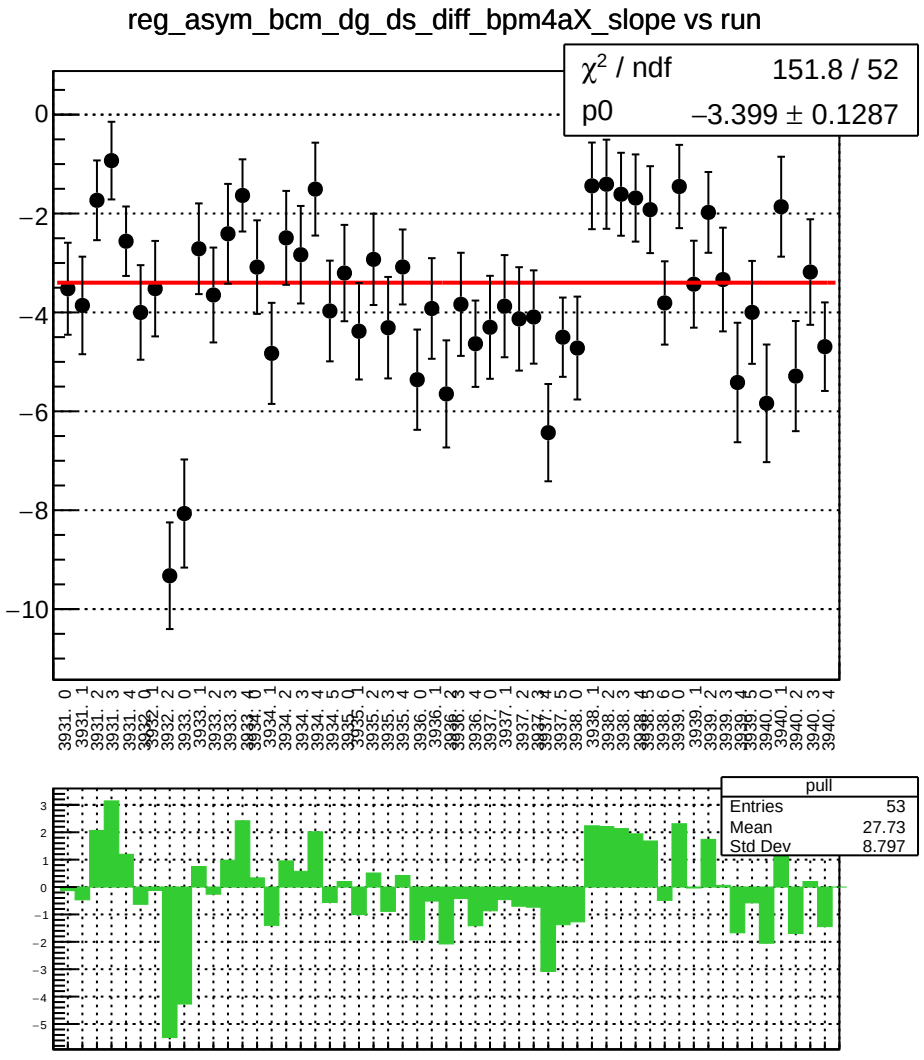

pull1D
Entries 53
Mean −0.09471
Std Dev 2.576

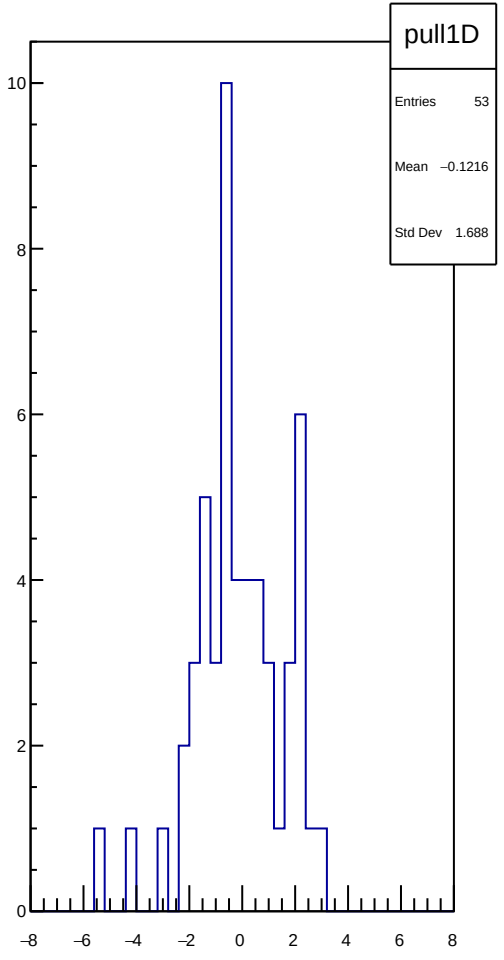

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 317.8 / 52
p0 1.065 ± 0.01958
pull
Entries 53
Mean 181.8
Std Dev 156.8
pull1D
Entries 53
Mean 0.1203
Std Dev 2.446

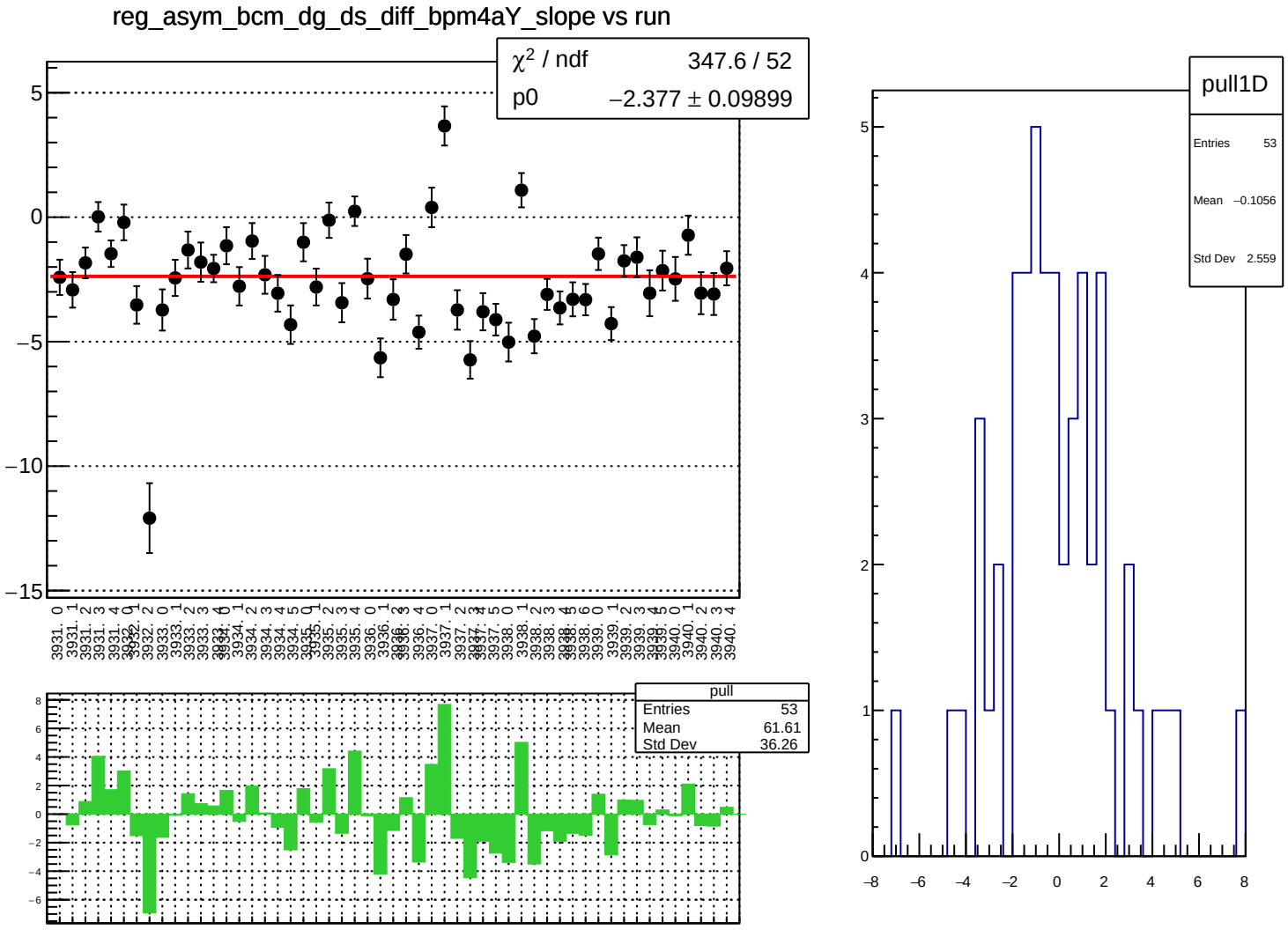

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 369.6 / 52
p0 4.25 ± 0.1645
pull
Entries 53
Mean 95.78
Std Dev 72.91

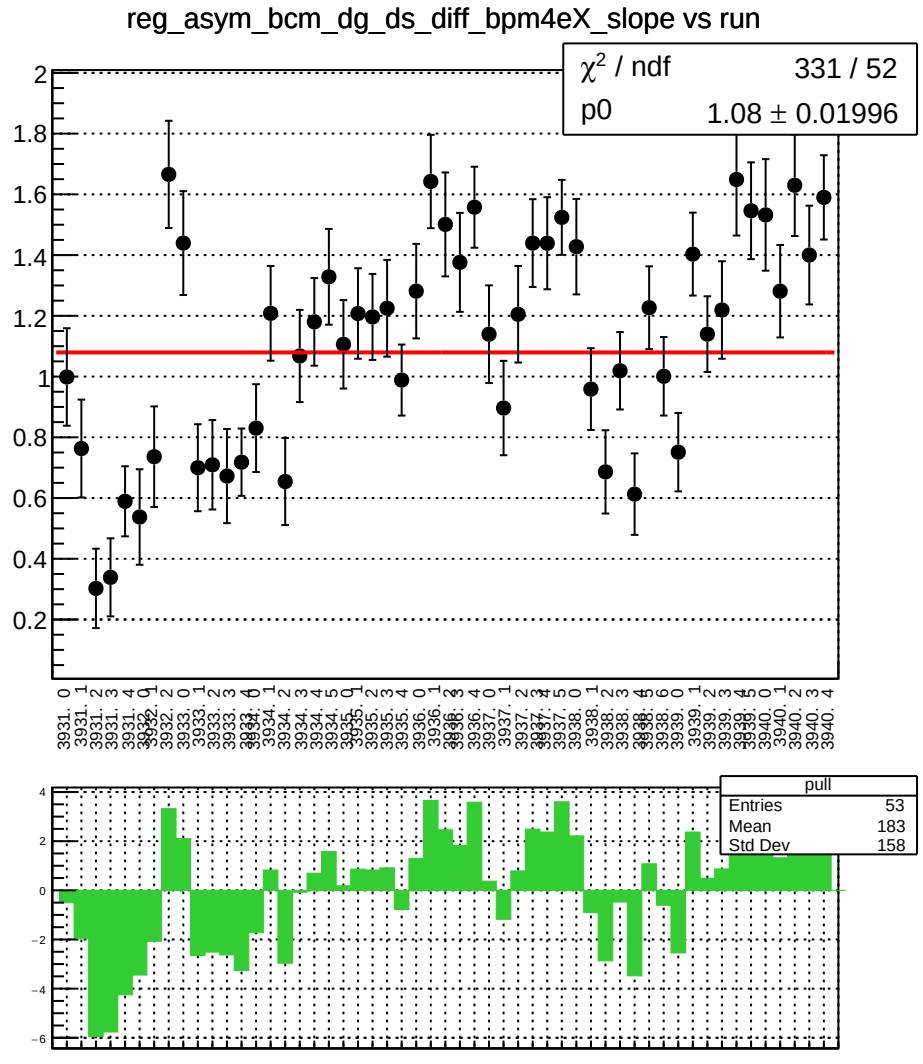

pull1D
Entries 53
Mean 0.05968
Std Dev 2.64

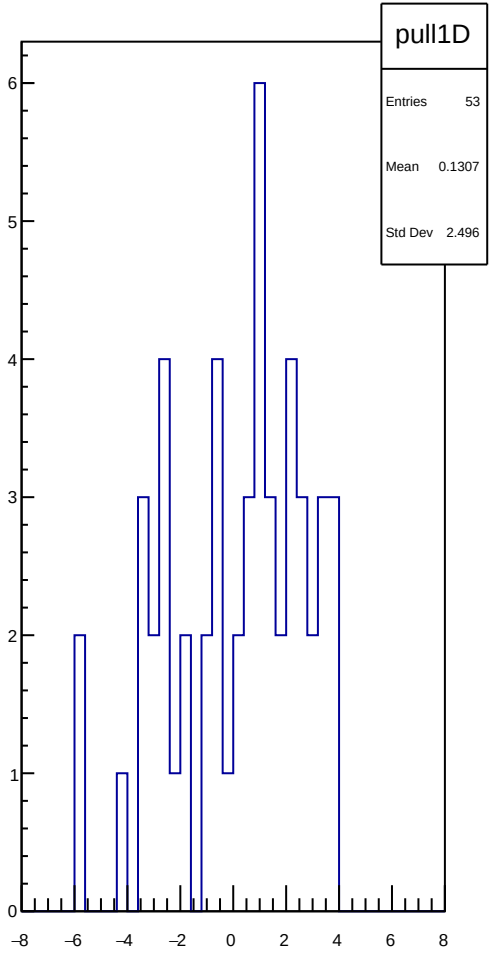

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 275.5 / 52
p0 1.351 ± 0.02561
pull
Entries 53
Mean 157.2
Std Dev 132.1
pull1D
Entries 53
Mean 0.1824
Std Dev 2.273

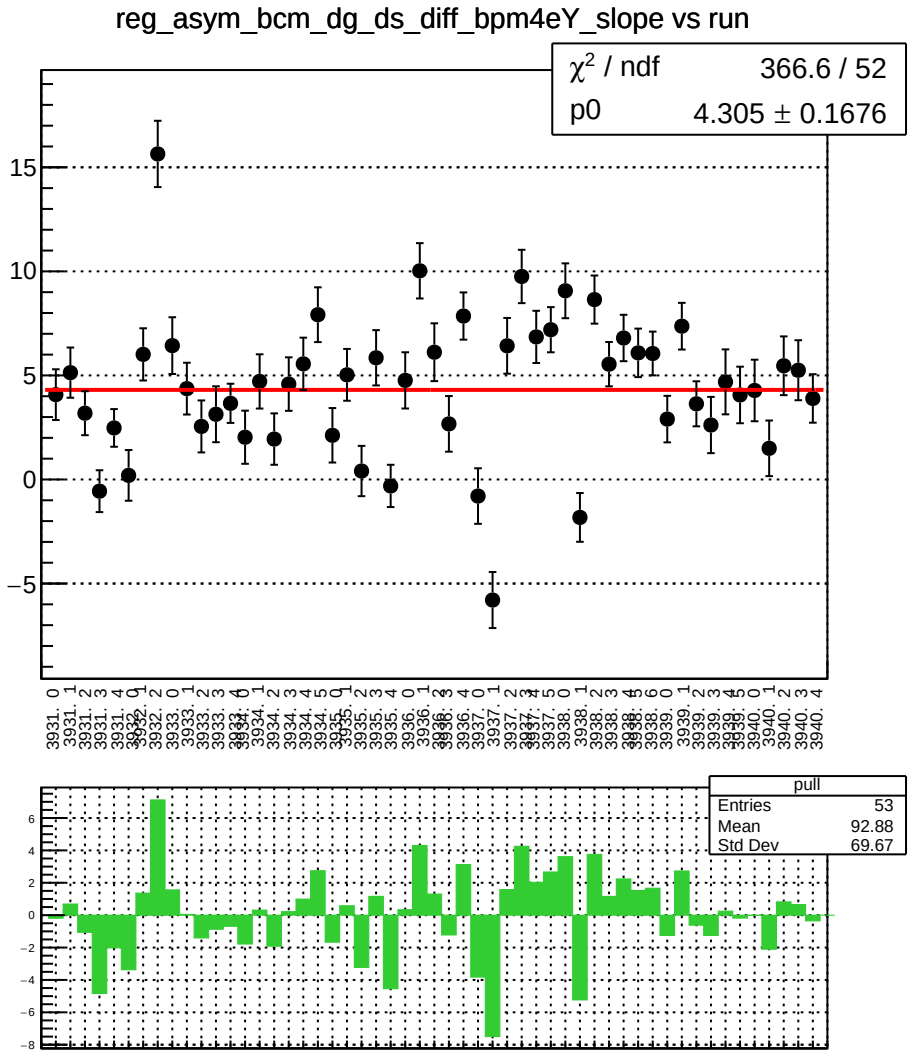

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 151.8 / 52
p0 −3.399 ± 0.1287
pull
Entries 53
Mean 27.73
Std Dev 8.797

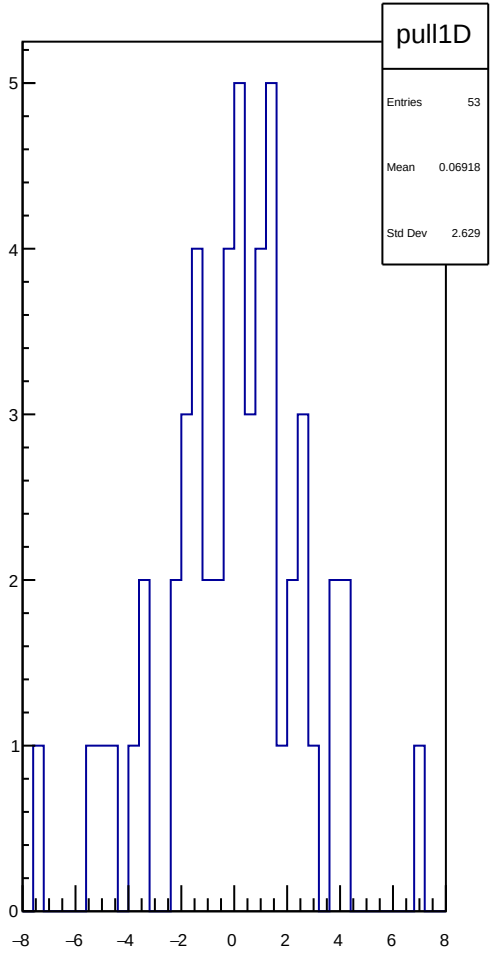

pull1D
Entries 53
Mean −0.1216
Std Dev 1.688

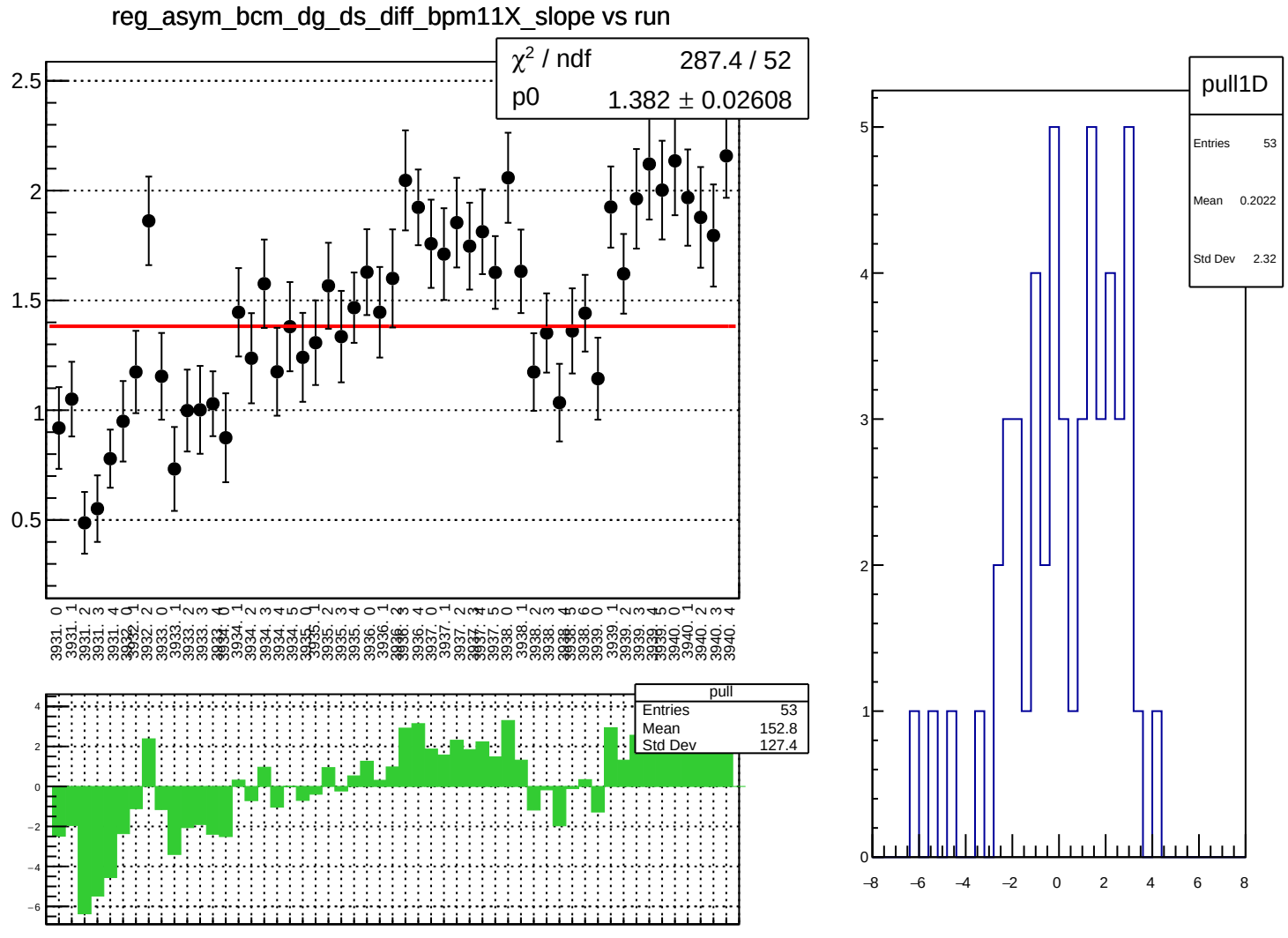

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 347.6 / 52
p0 −2.377 ± 0.09899
pull
Entries 53
Mean 61.61
Std Dev 36.26
pull1D
Entries 53
Mean −0.1056
Std Dev 2.559

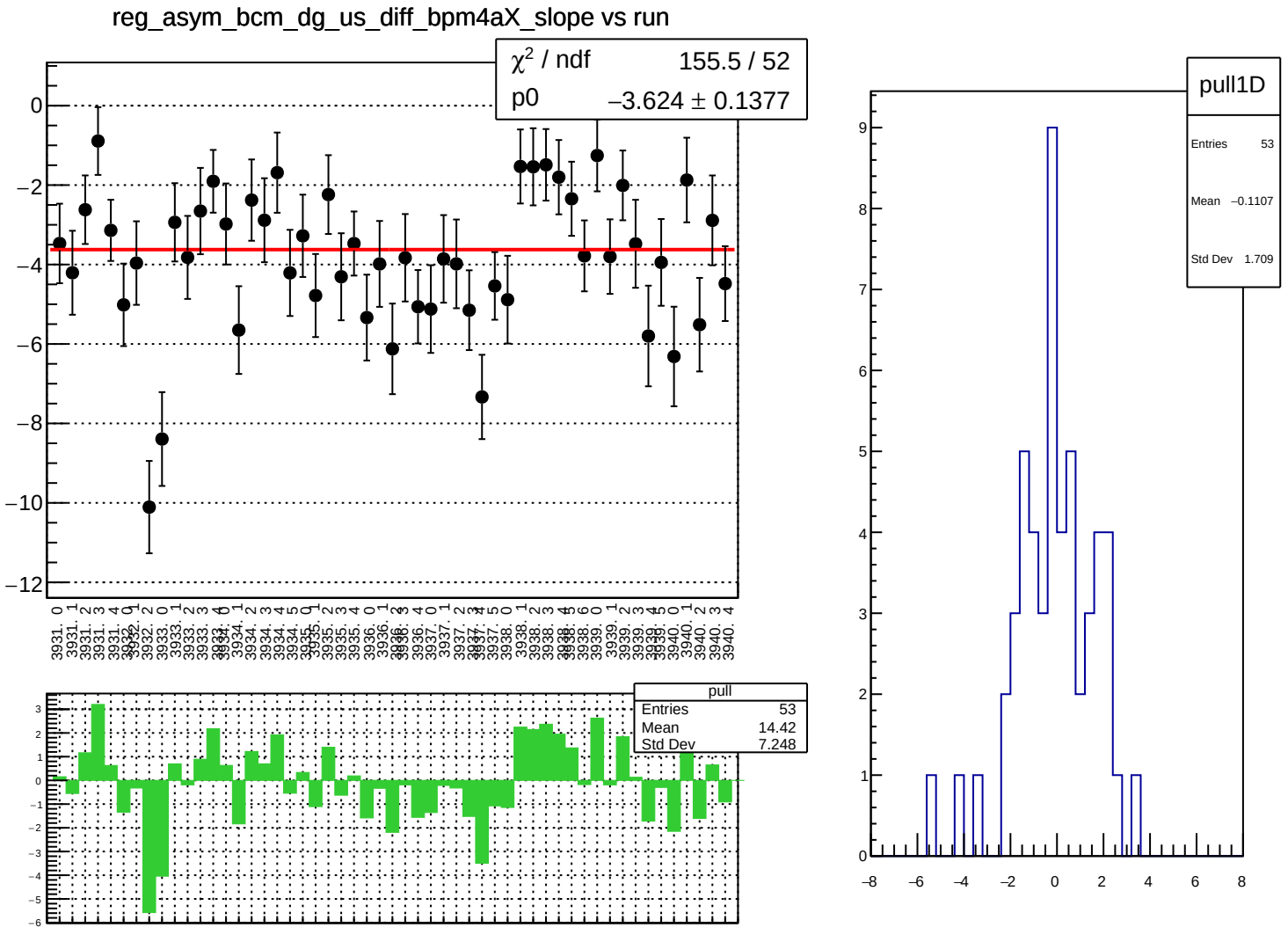

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 331 / 52
p0 1.08 ± 0.01996
pull
Entries 53
Mean 183
Std Dev 158

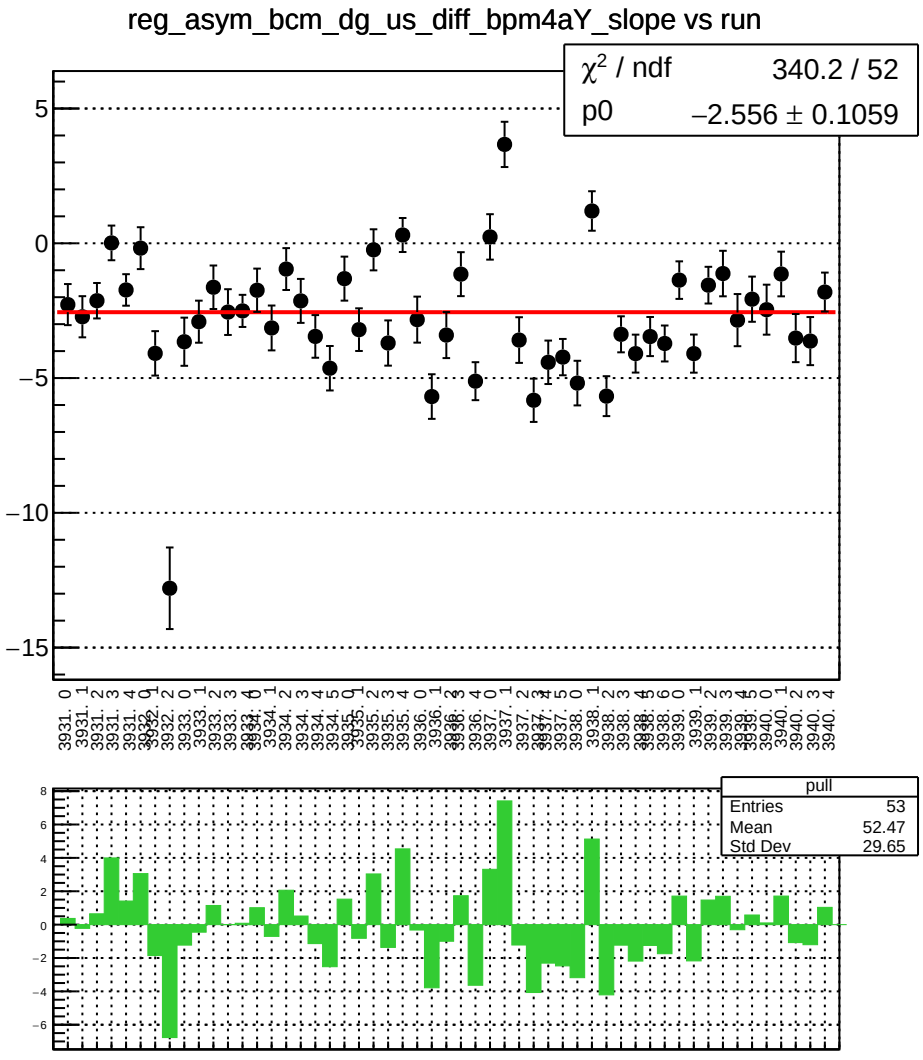

pull1D
Entries 53
Mean 0.1307
Std Dev 2.496

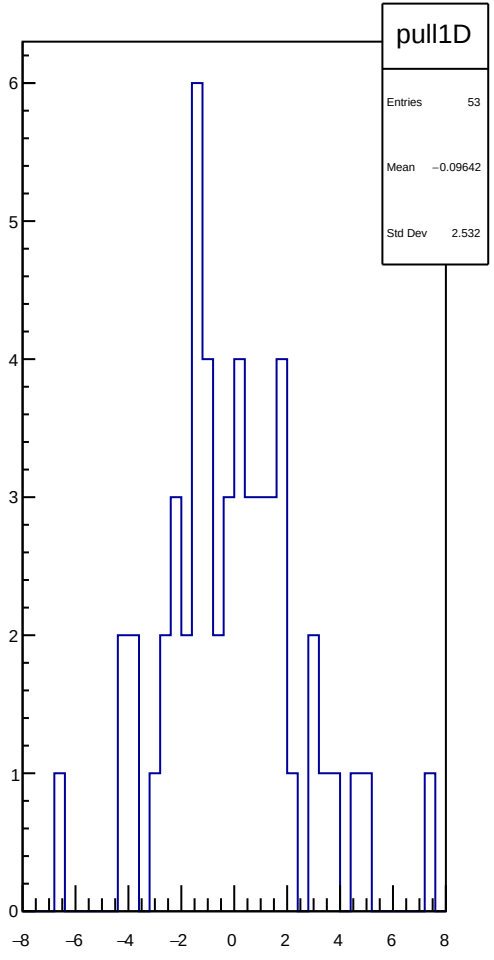

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 366.6 / 52
p0 4.305 ± 0.1676
pull
Entries 53
Mean 92.88
Std Dev 69.67

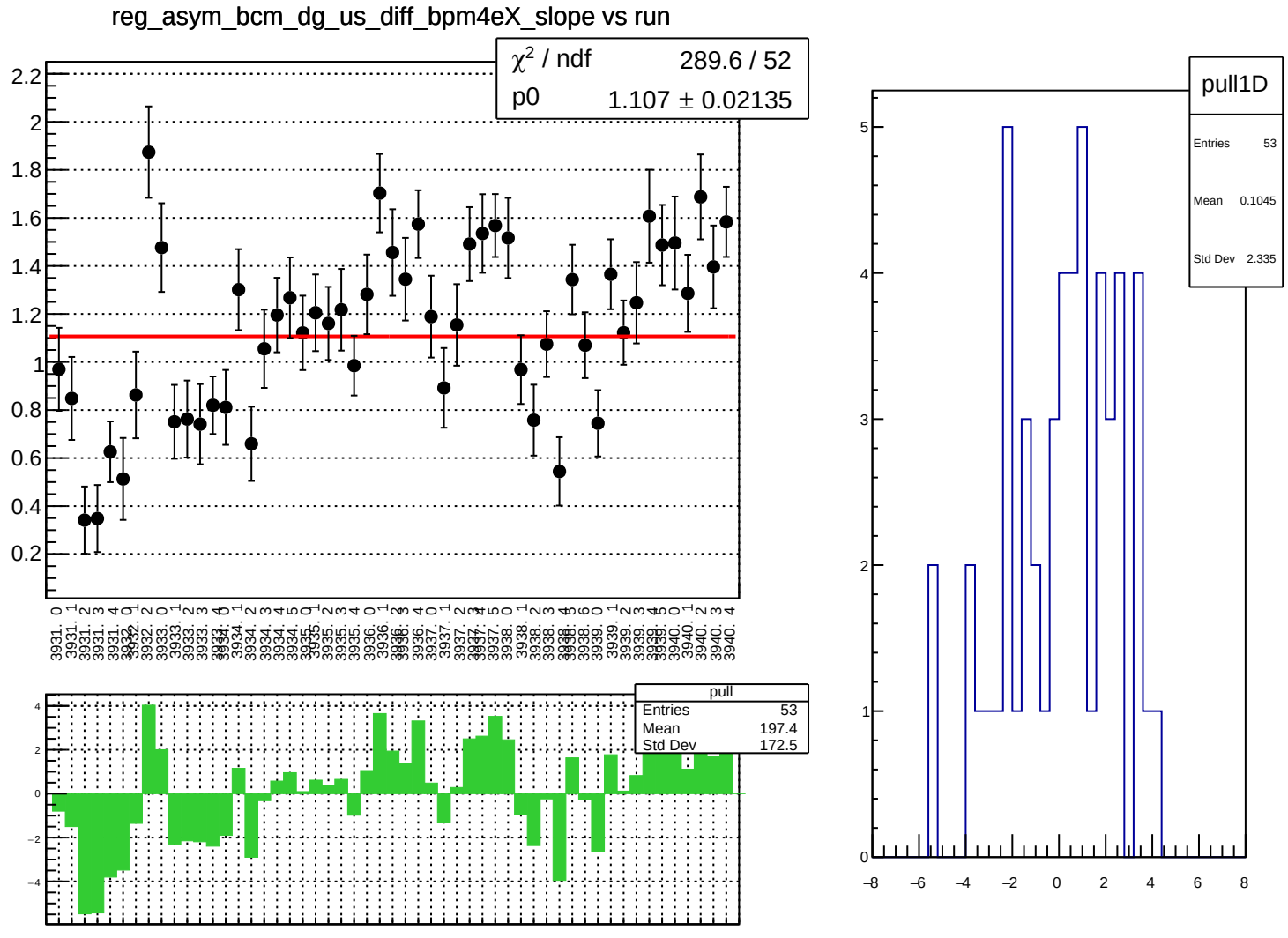

pull1D
Entries 53
Mean 0.06918
Std Dev 2.629

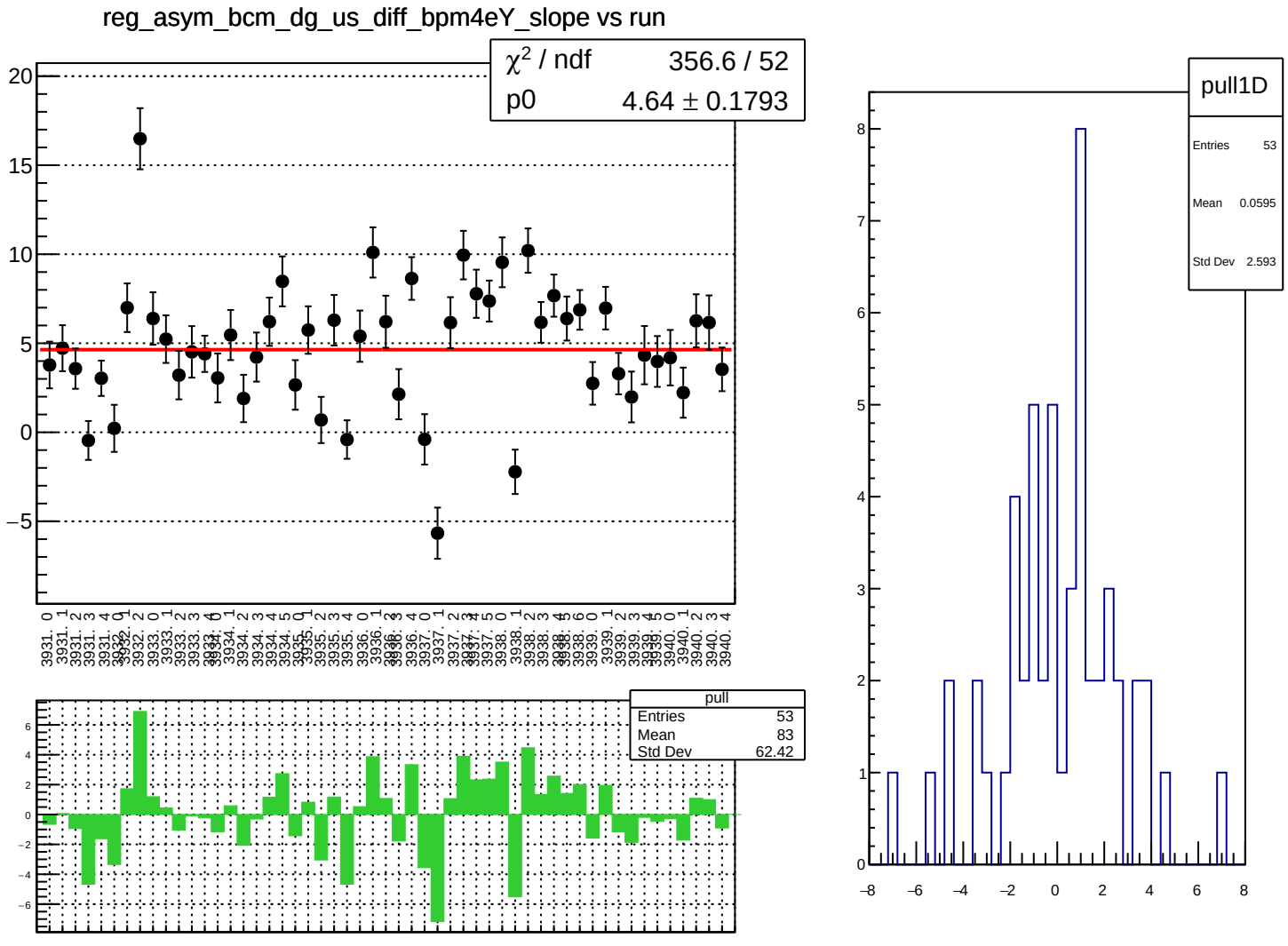

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 287.4 / 52
p0 1.382 ± 0.02608
pull
Entries 53
Mean 152.8
Std Dev 127.4
pull1D
Entries 53
Mean 0.2022
Std Dev 2.32

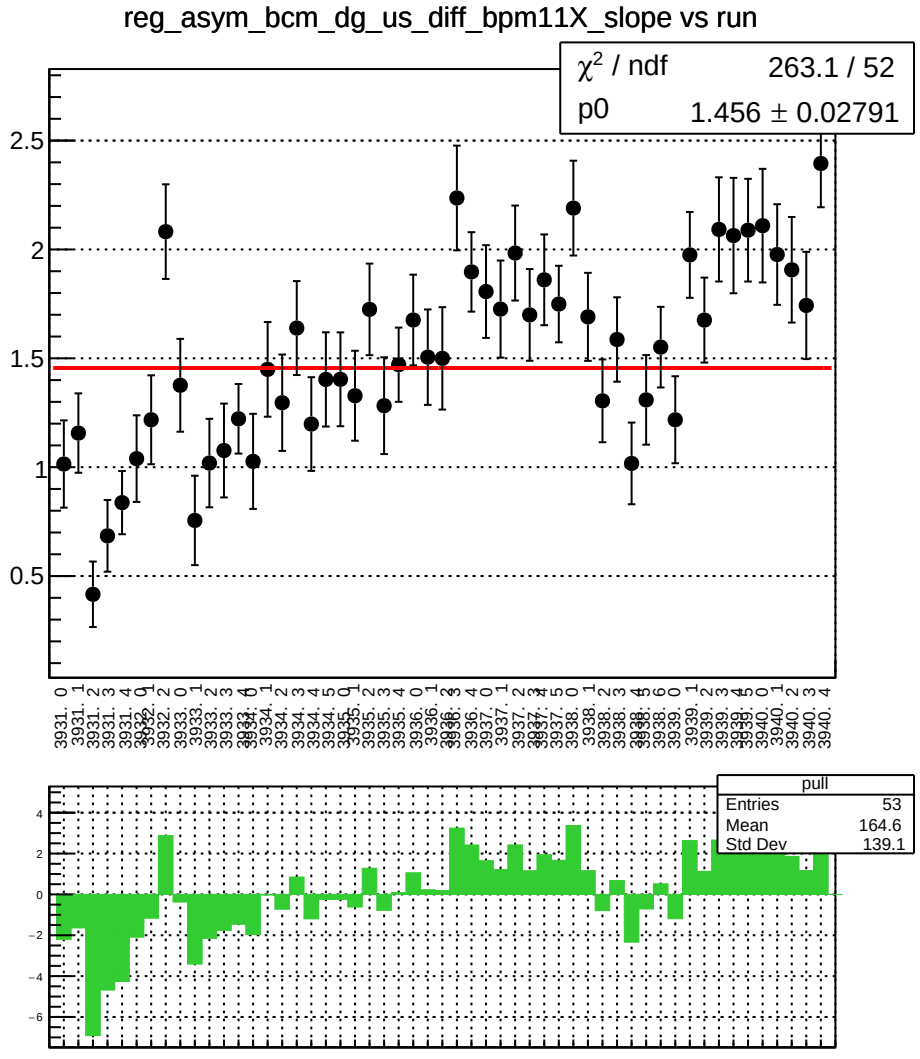

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 155.5 / 52
p0 −3.624 ± 0.1377
pull
Entries 53
Mean 14.42
Std Dev 7.248
pull1D
Entries 53
Mean −0.1107
Std Dev 1.709

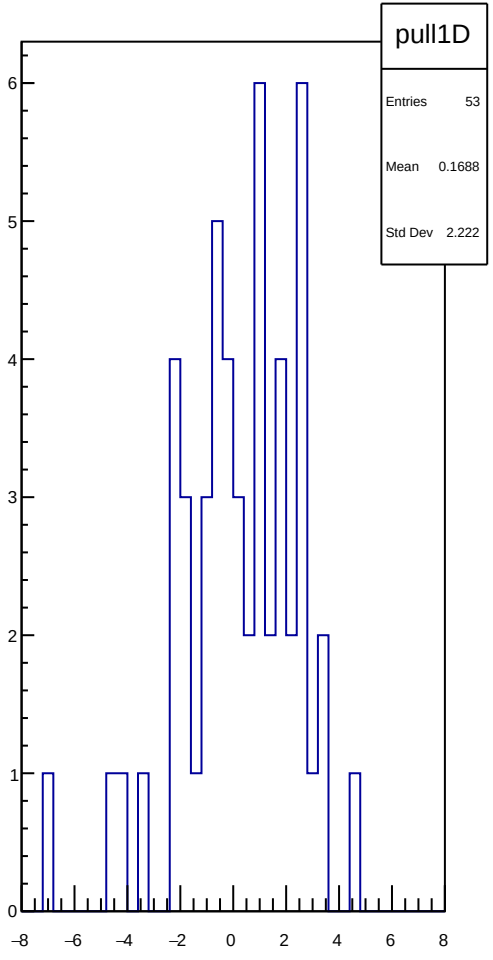

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 340.2 / 52
p0 −2.556 ± 0.1059
pull
Entries 53
Mean 52.47
Std Dev 29.65

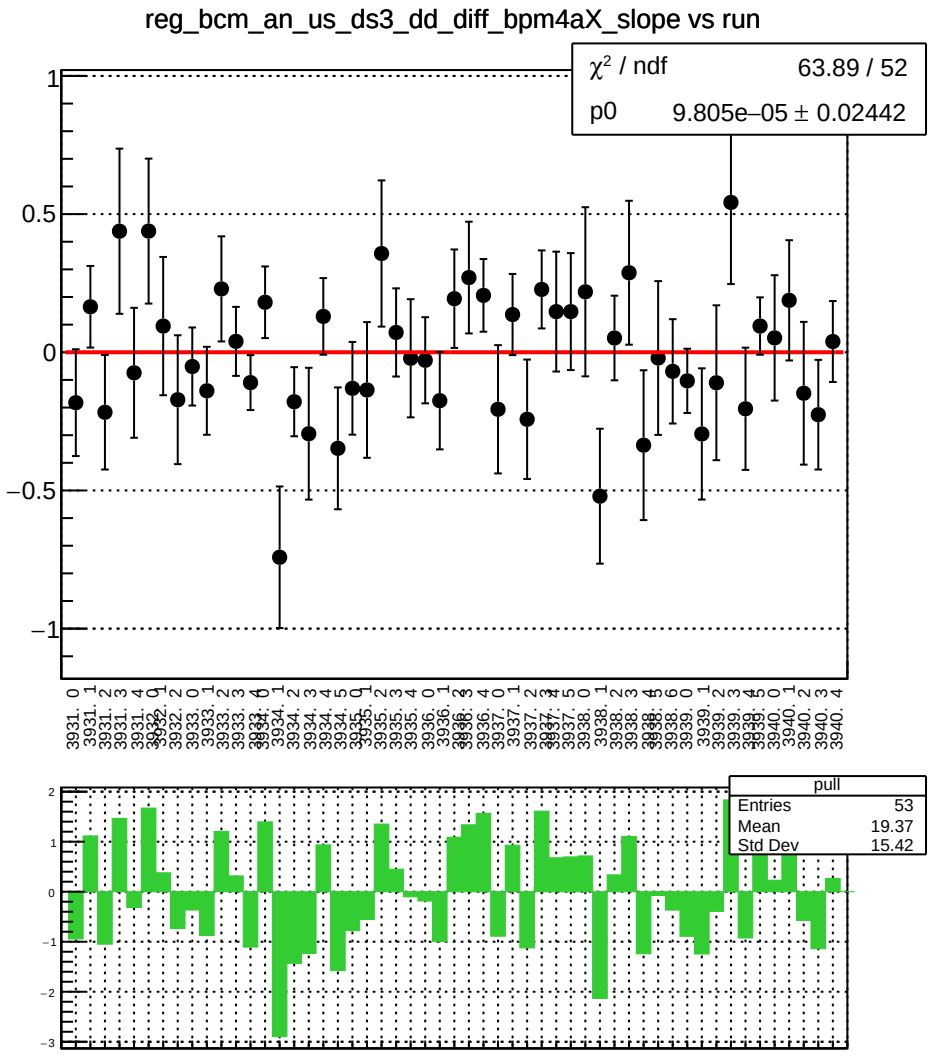

pull1D
Entries 53
Mean −0.09642
Std Dev 2.532

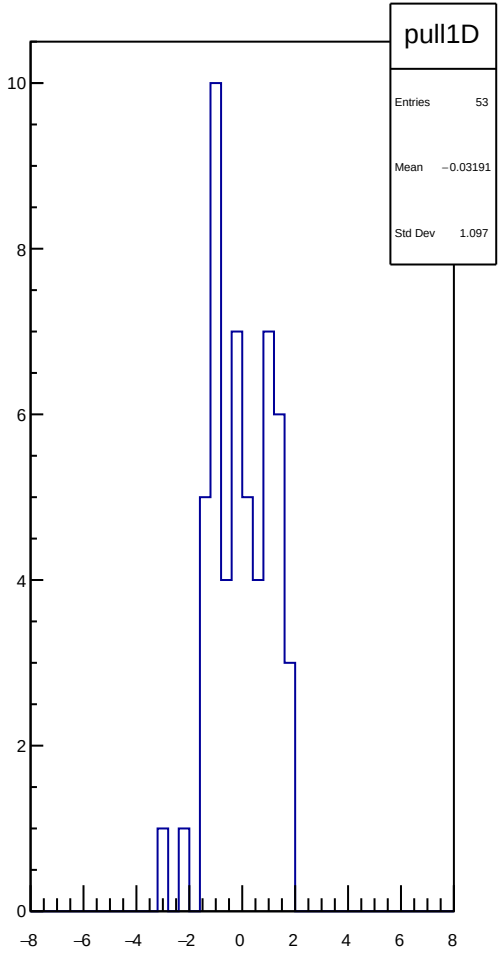

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 289.6 / 52
p0 1.107 ± 0.02135
pull
Entries 53
Mean 197.4
Std Dev 172.5
pull1D
Entries 53
Mean 0.1045
Std Dev 2.335

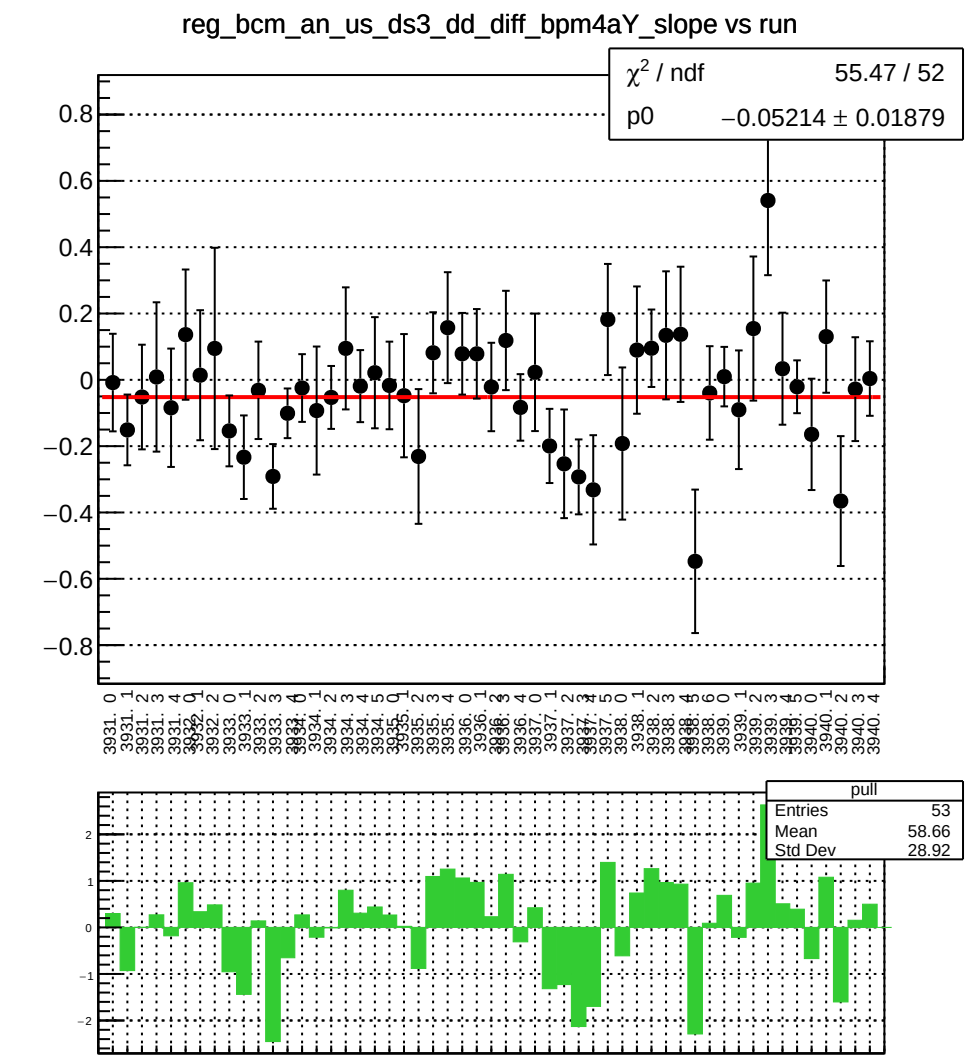

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 356.6 / 52
p0 4.64 ± 0.1793
pull
Entries 53
Mean 83
Std Dev 62.42
pull1D
Entries 53
Mean 0.0595
Std Dev 2.593

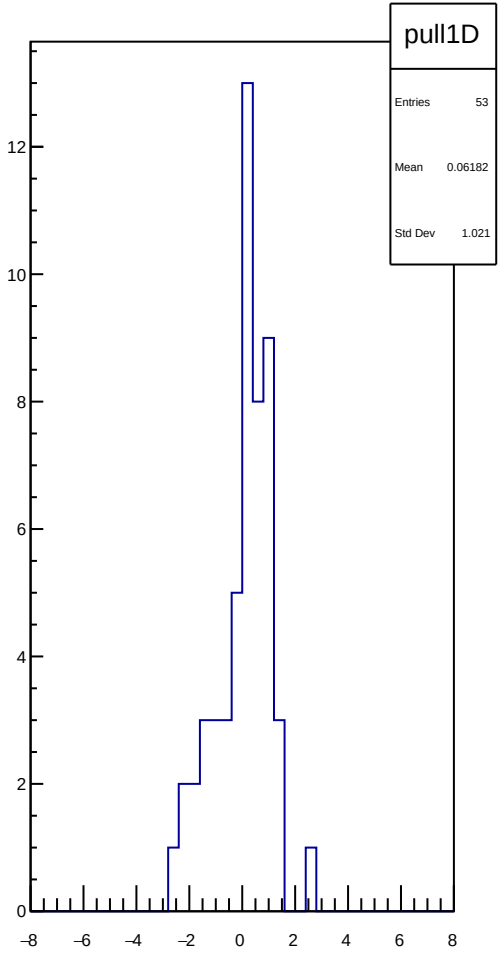

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 263.1 / 52
p0 1.456 ± 0.02791
pull
Entries 53
Mean 164.6
Std Dev 139.1

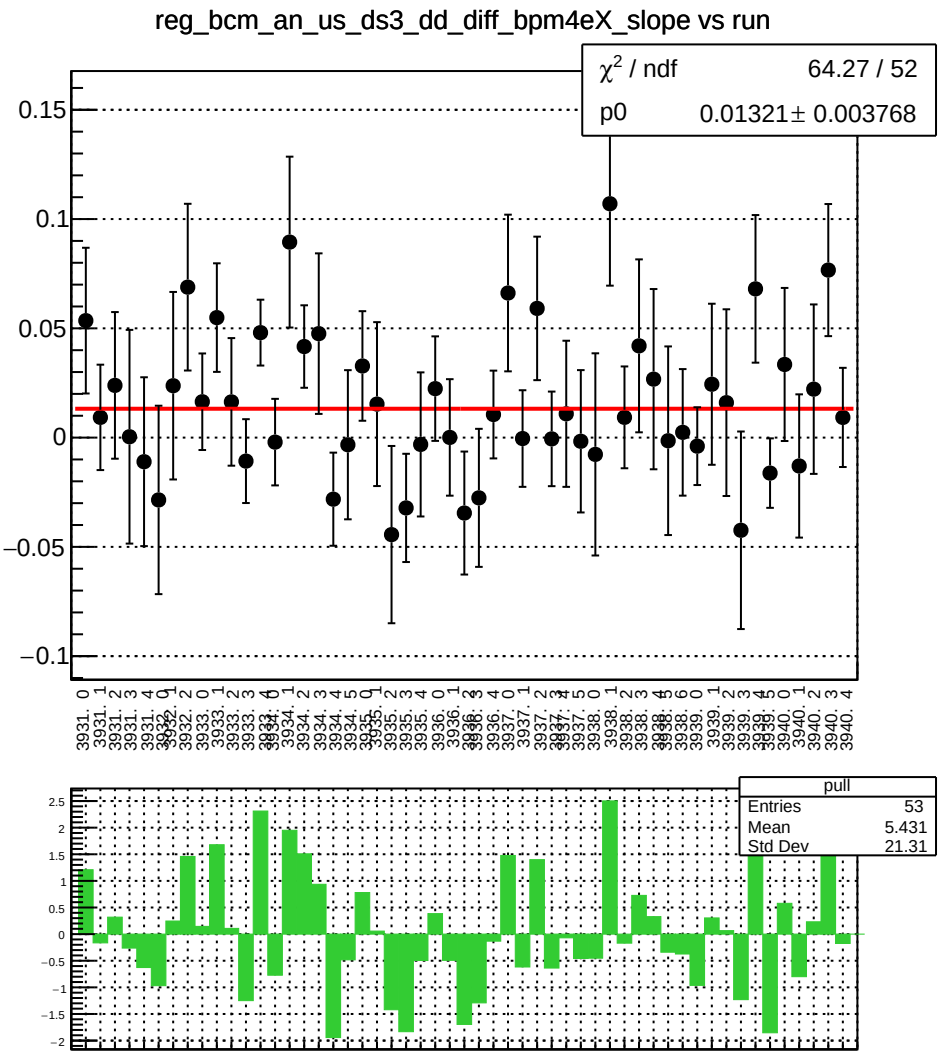

pull1D
Entries 53
Mean 0.1688
Std Dev 2.222

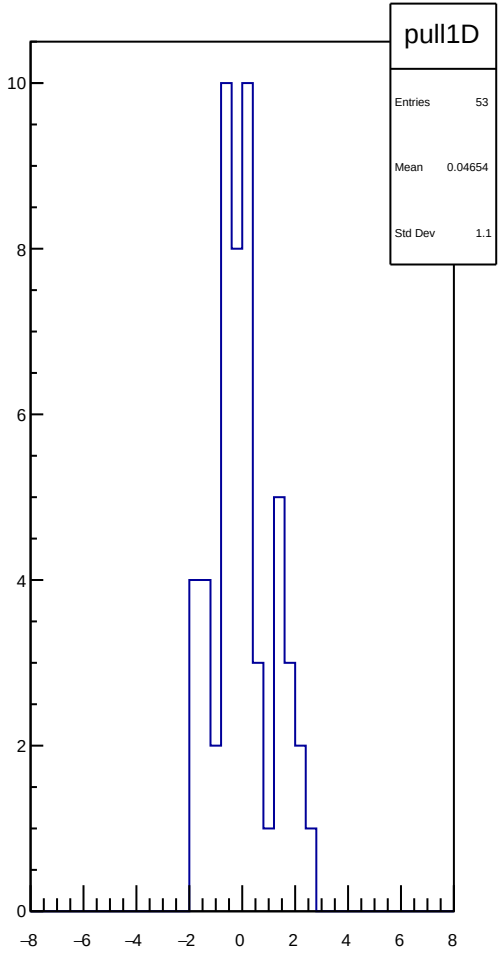

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 63.89 / 52
p0 9.805e−05 ± 0.02442
pull
Entries 53
Mean 19.37
Std Dev 15.42

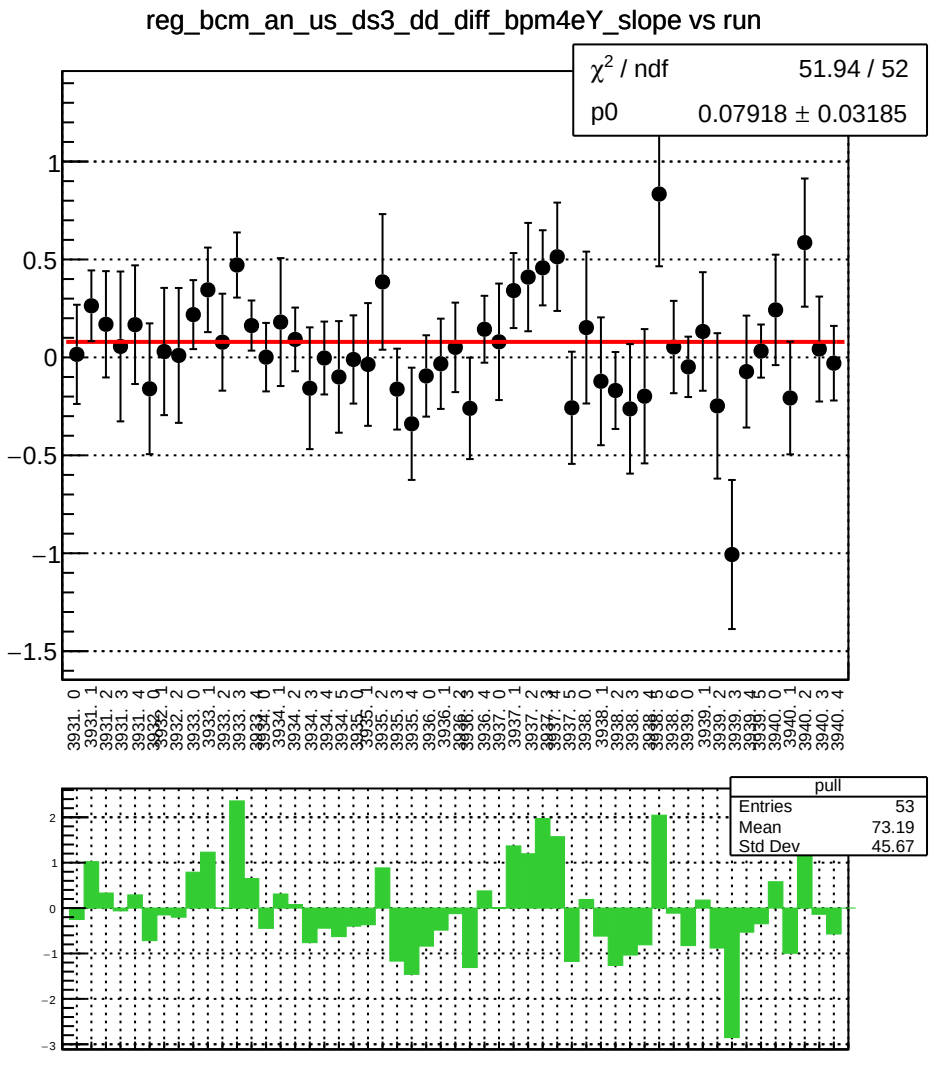

pull1D
Entries 53
Mean −0.03191
Std Dev 1.097

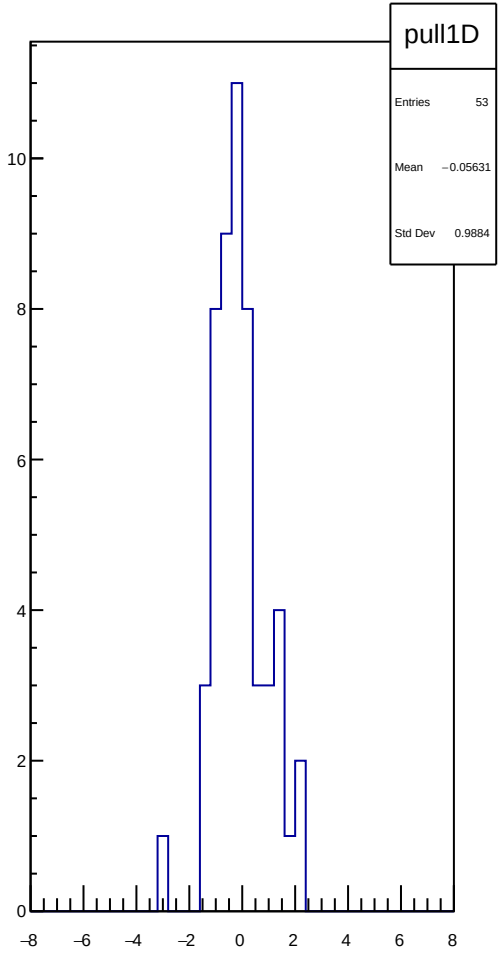

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.47 / 52
p0 −0.05214 ± 0.01879
pull
Entries 53
Mean 58.66
Std Dev 28.92

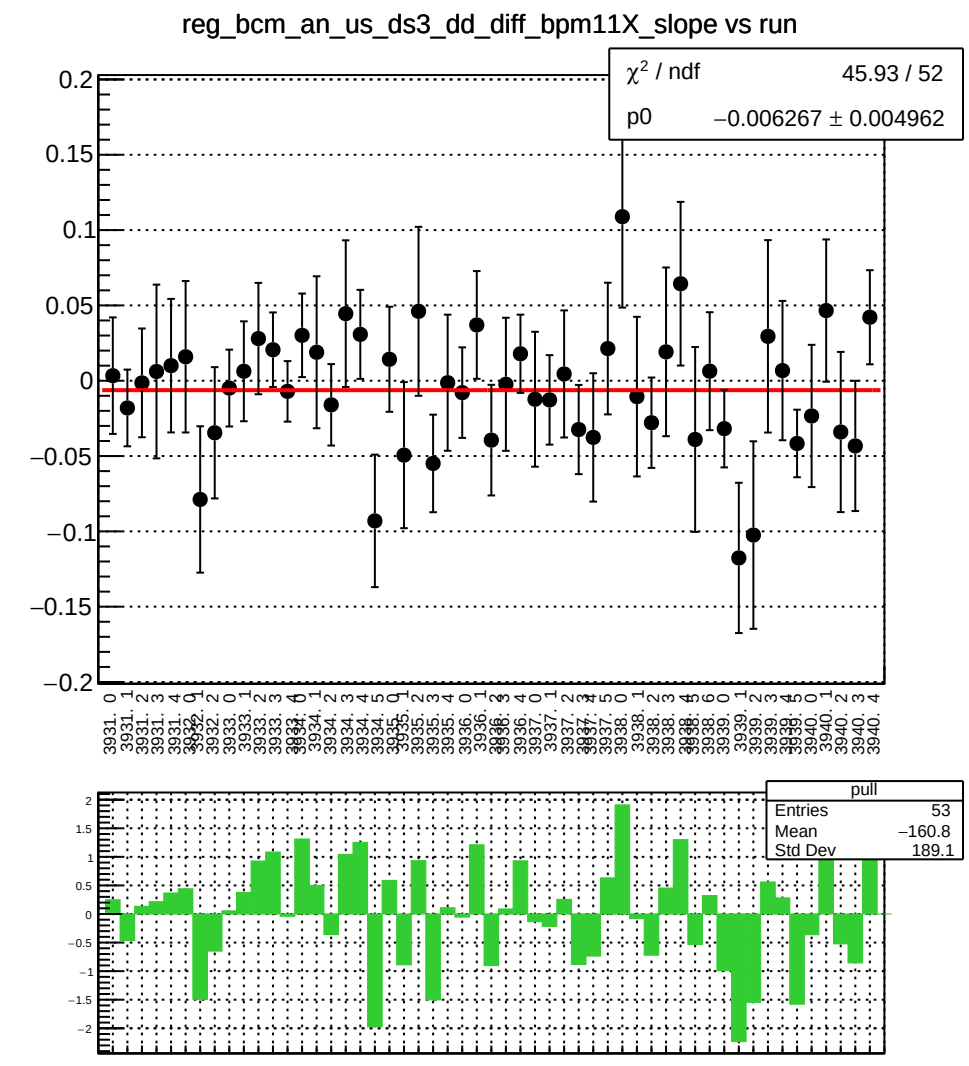

pull1D
Entries 53
Mean 0.06182
Std Dev 1.021

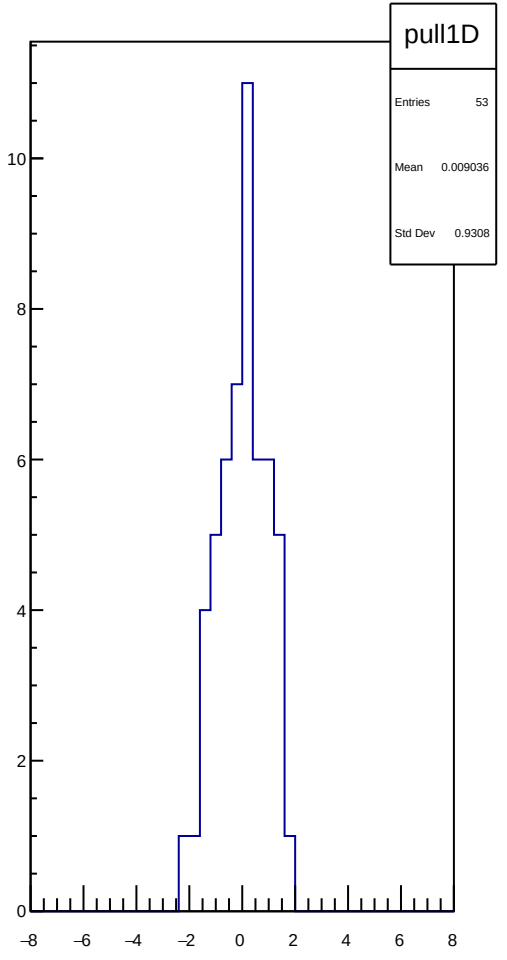

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.27 / 52
p0 0.01321± 0.003768
pull
Entries 53
Mean 5.431
Std Dev 21.31

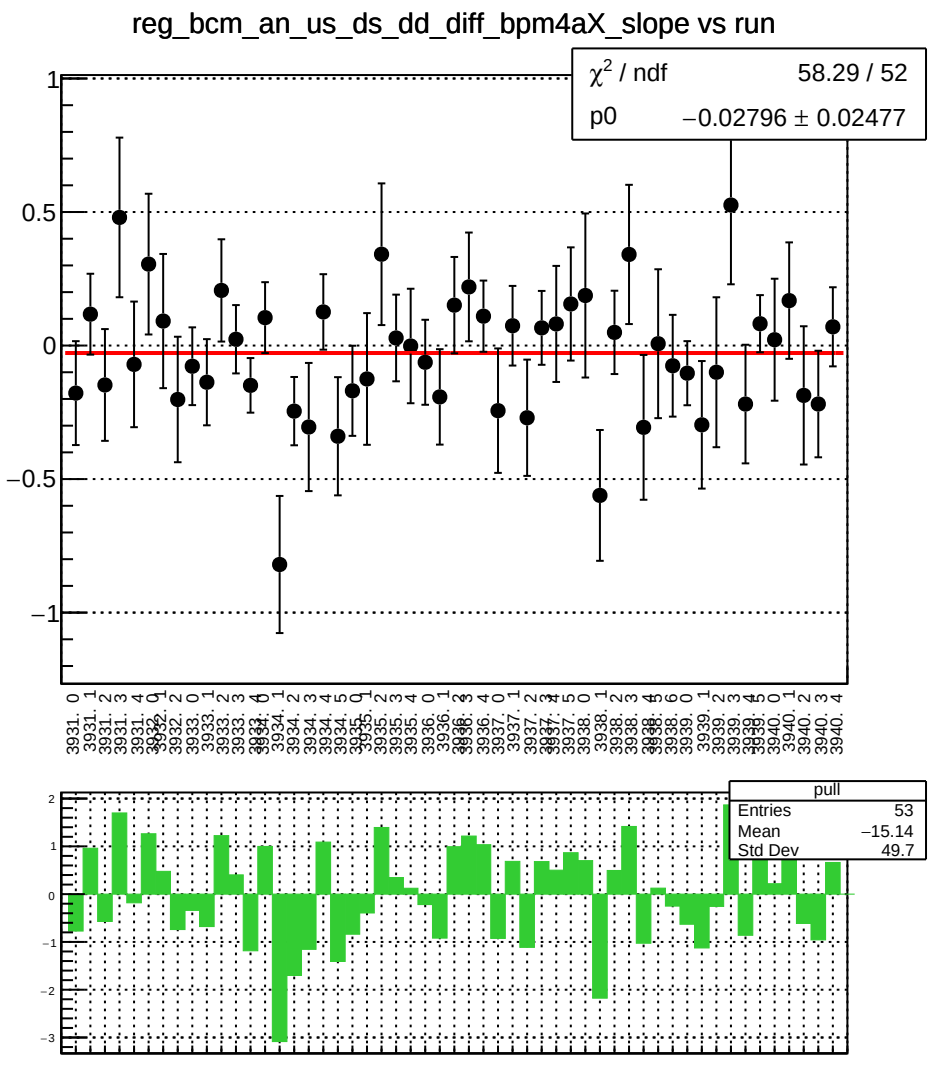

pull1D
Entries 53
Mean 0.04654
Std Dev 1.1

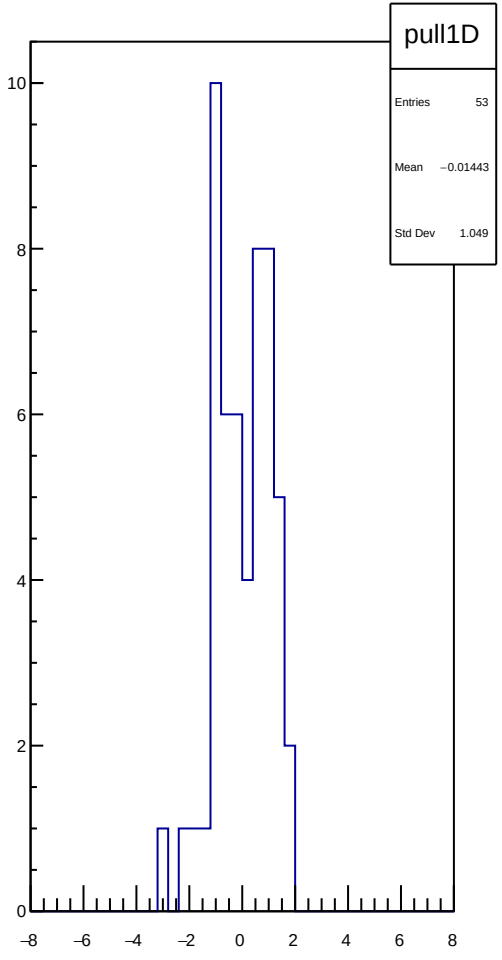

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.94 / 52
p0 0.07918 ± 0.03185
pull
Entries 53
Mean 73.19
Std Dev 45.67

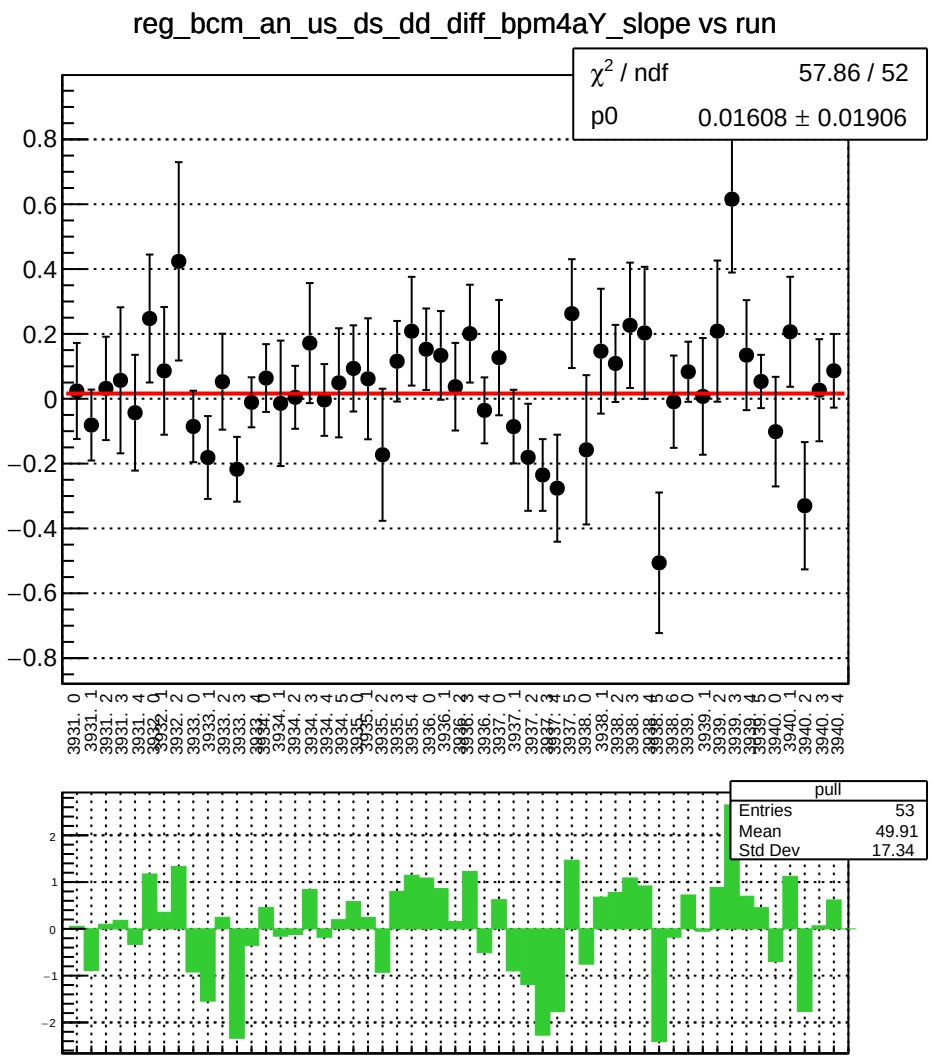

pull1D
Entries 53
Mean −0.05631
Std Dev 0.9884

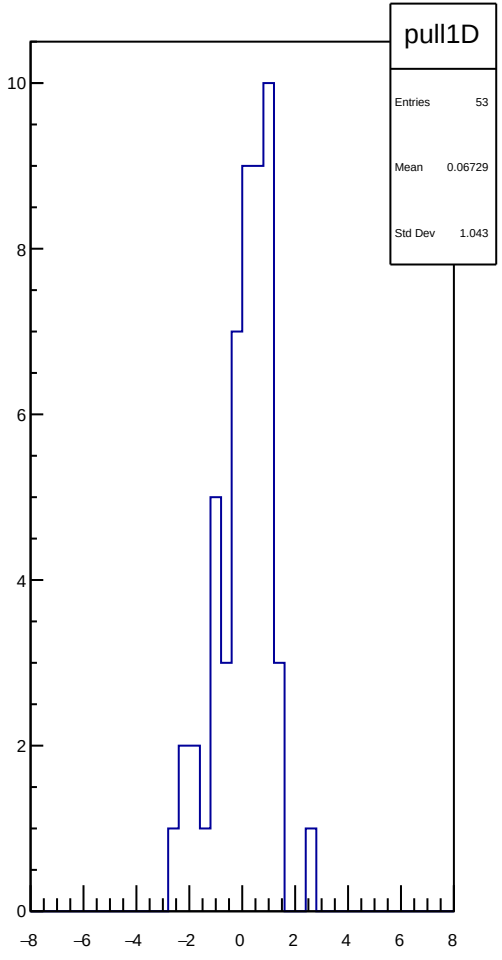

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 45.93 / 52
p0 −0.006267 ± 0.004962
pull
Entries 53
Mean −160.8
Std Dev 189.1

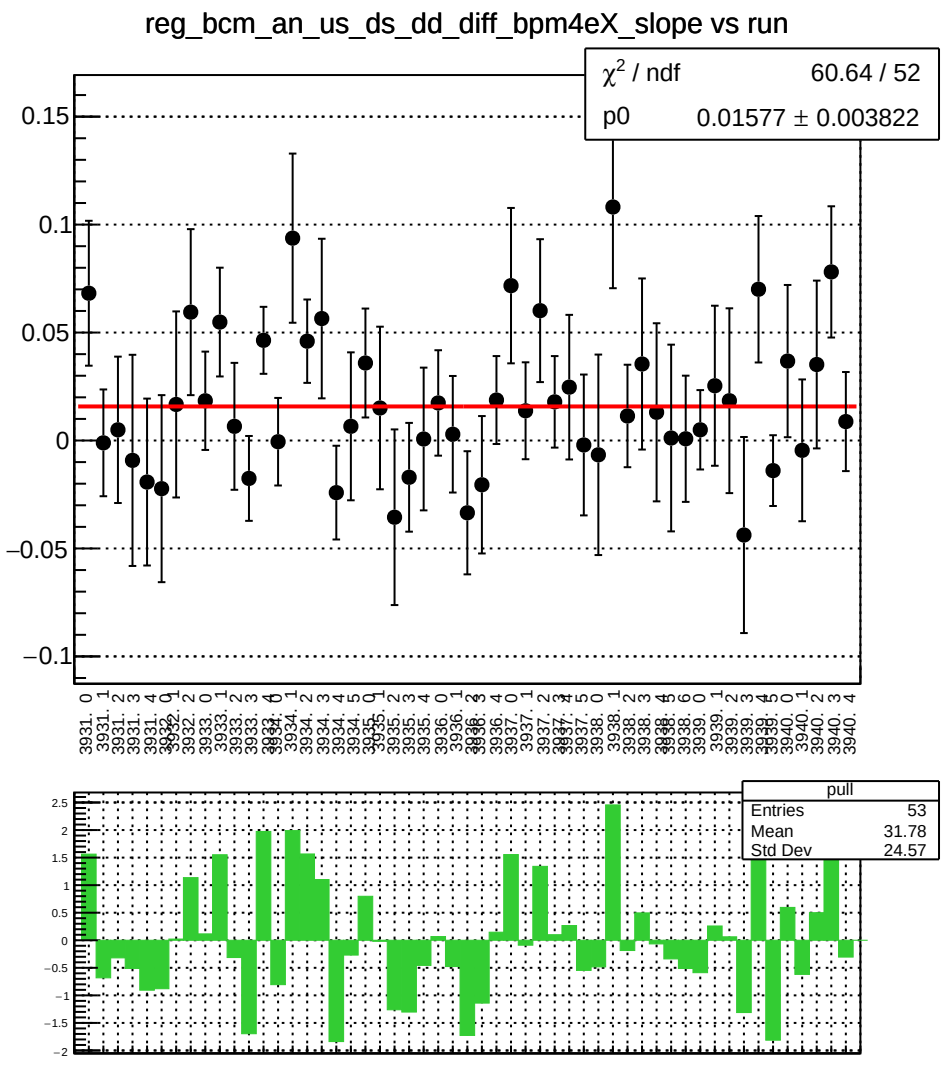

pull1D
Entries 53
Mean 0.009036
Std Dev 0.9308

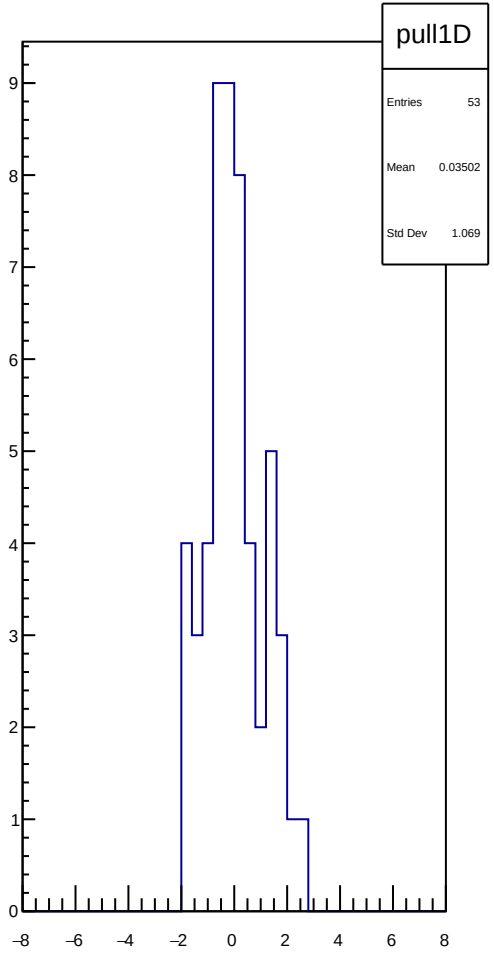

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 58.29 / 52
p0 −0.02796 ± 0.02477
pull
Entries 53
Mean −15.14
Std Dev 49.7

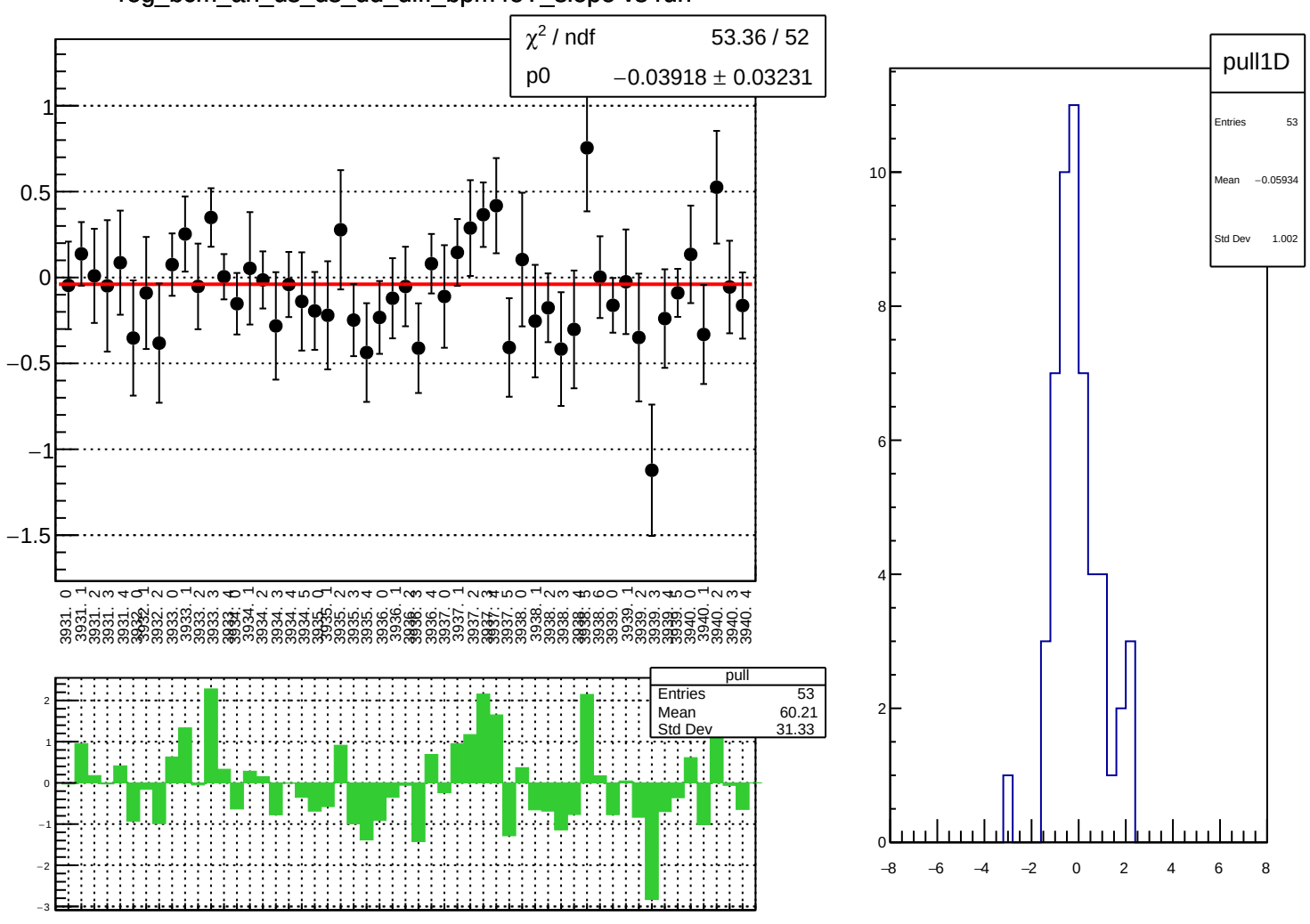

pull1D
Entries 53
Mean −0.01443
Std Dev 1.049

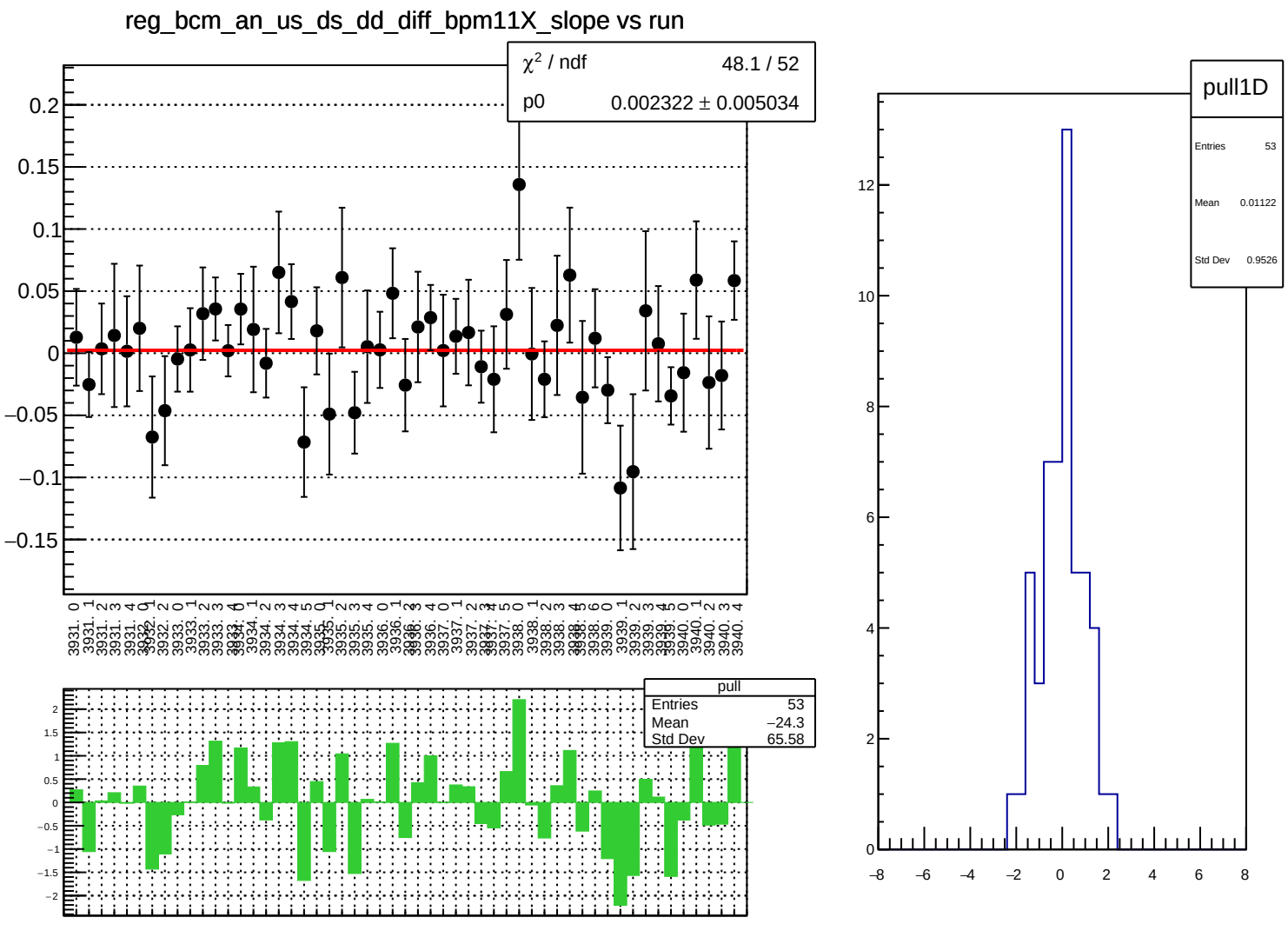

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.86 / 52
p0 0.01608 ± 0.01906
pull
Entries 53
Mean 49.91
Std Dev 17.34

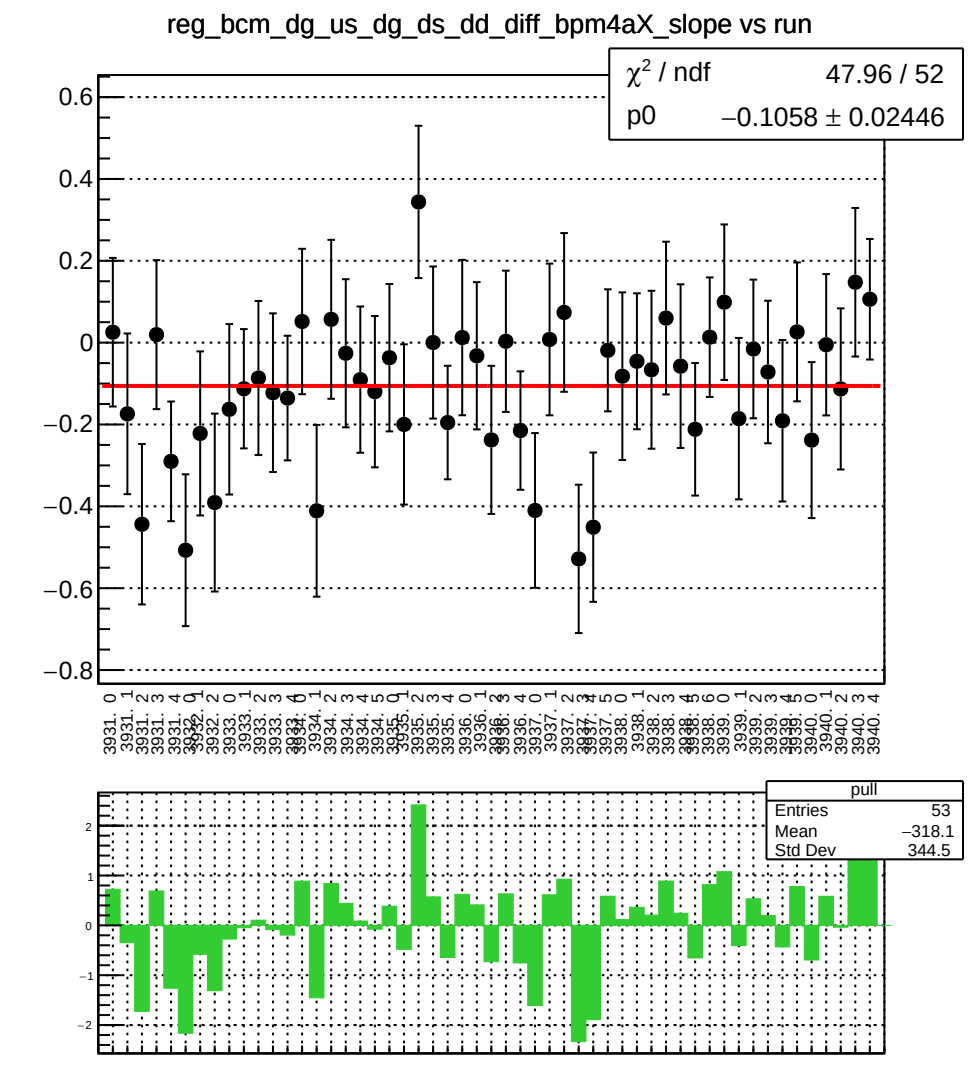

pull1D
Entries 53
Mean 0.06729
Std Dev 1.043

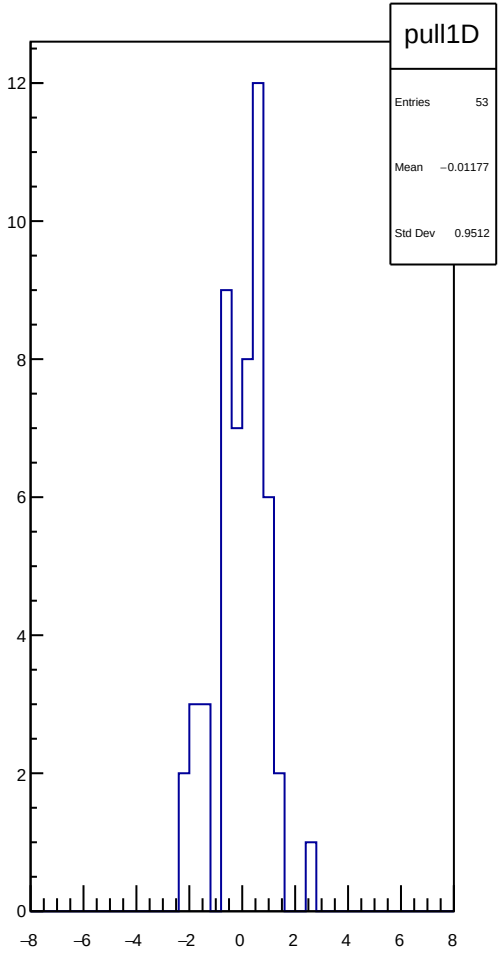

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.64 / 52
p0 0.01577 ± 0.003822
pull
Entries 53
Mean 31.78
Std Dev 24.57

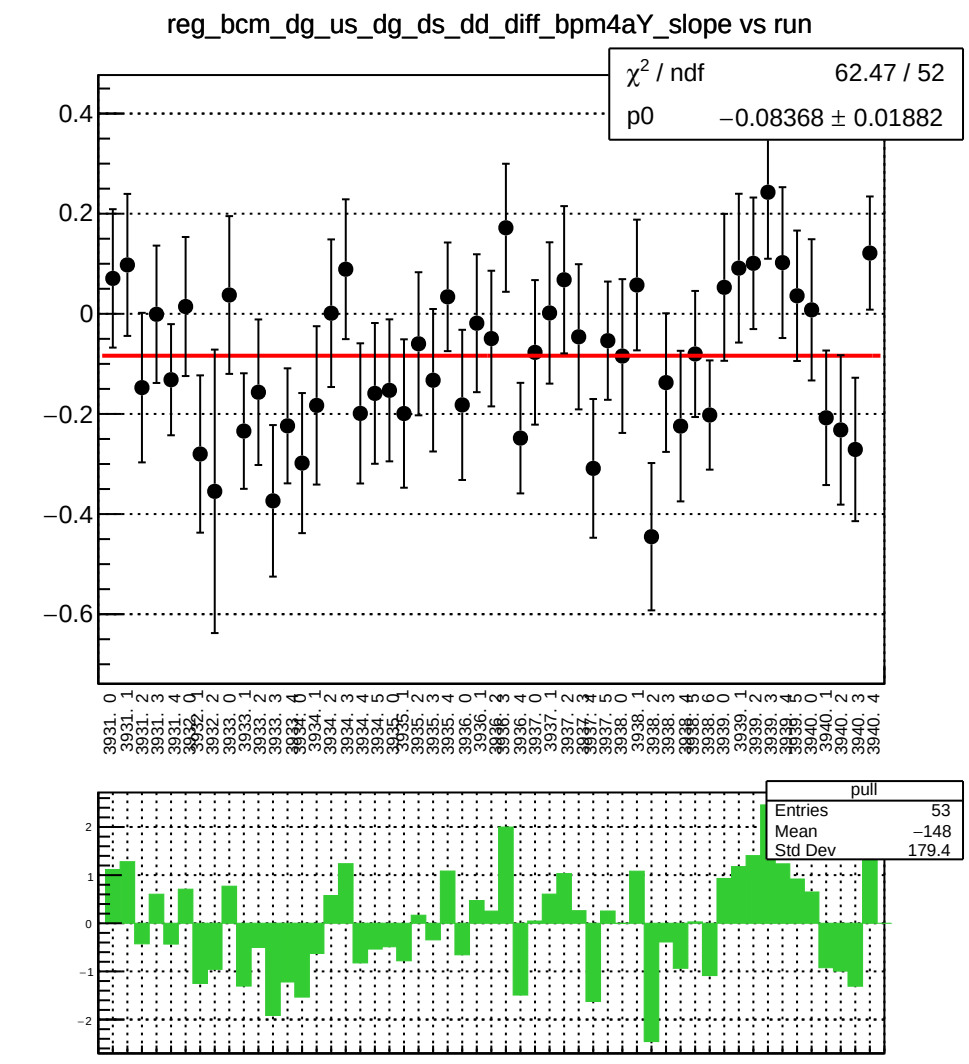

pull1D
Entries 53
Mean 0.03502
Std Dev 1.069

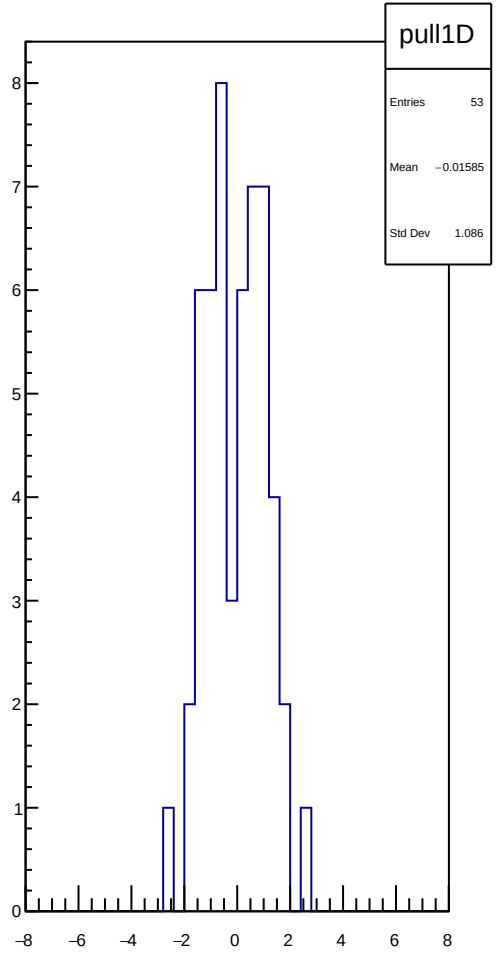

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.36 / 52
p0 −0.03918 ± 0.03231
pull
Entries 53
Mean 60.21
Std Dev 31.33
pull1D
Entries 53
Mean −0.05934
Std Dev 1.002

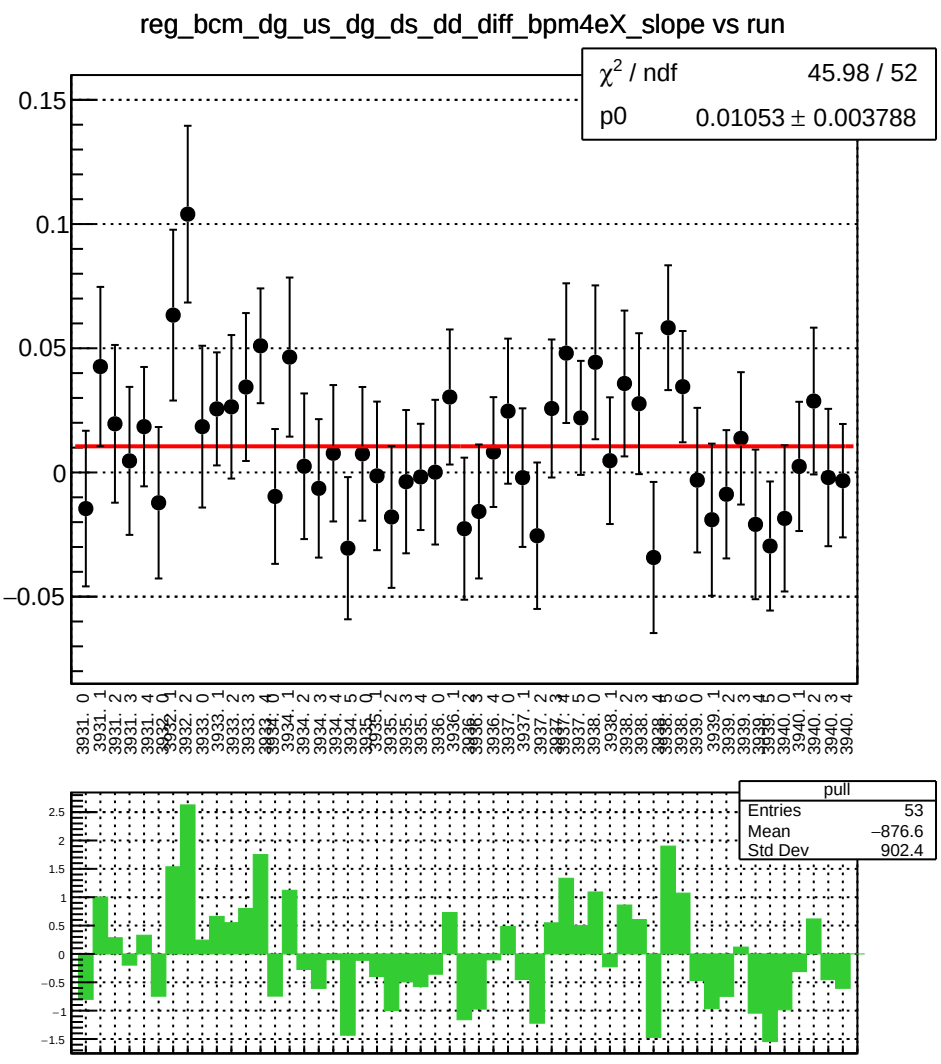

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 48.1 / 52
p0 0.002322 ± 0.005034
pull
Entries 53
Mean −24.3
Std Dev 65.58
pull1D
Entries 53
Mean 0.01122
Std Dev 0.9526

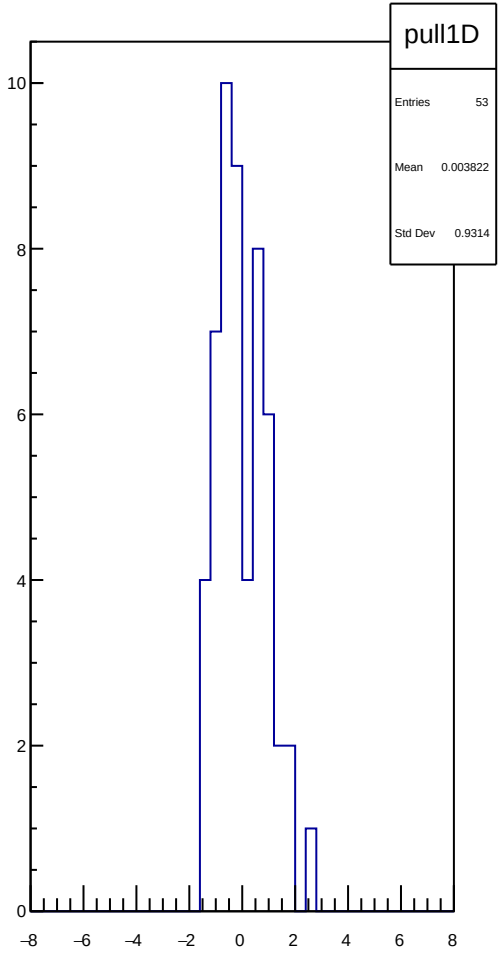

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 47.96 / 52
p0 −0.1058 ± 0.02446
pull
Entries 53
Mean −318.1
Std Dev 344.5

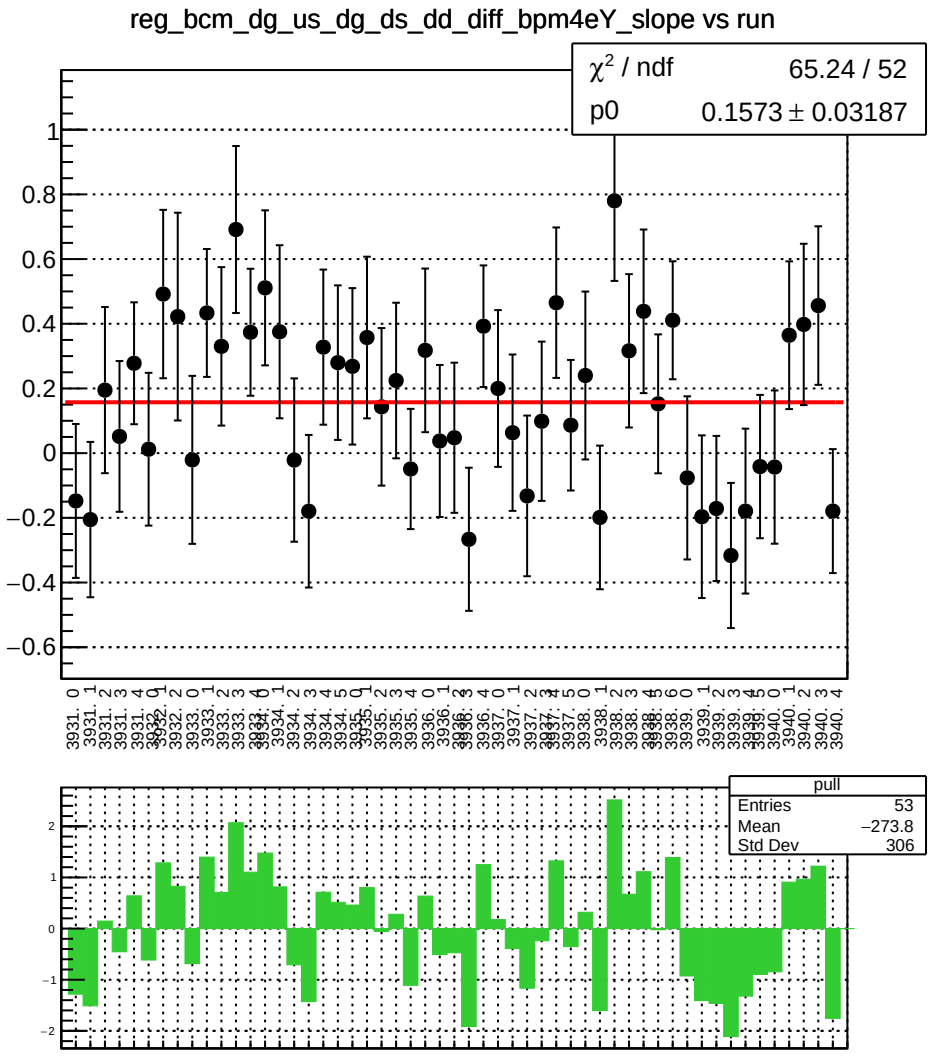

pull1D
Entries 53
Mean −0.01177
Std Dev 0.9512

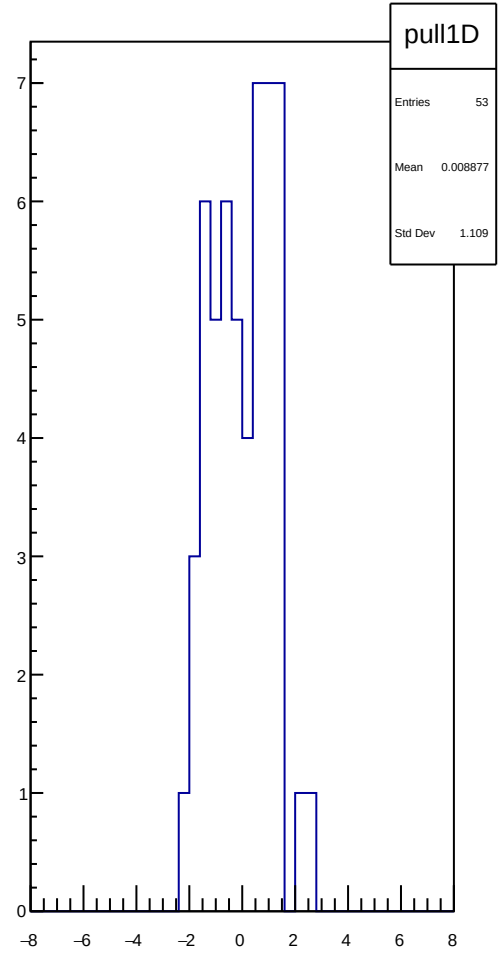

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.47 / 52
p0 −0.08368 ± 0.01882
pull
Entries 53
Mean −148
Std Dev 179.4

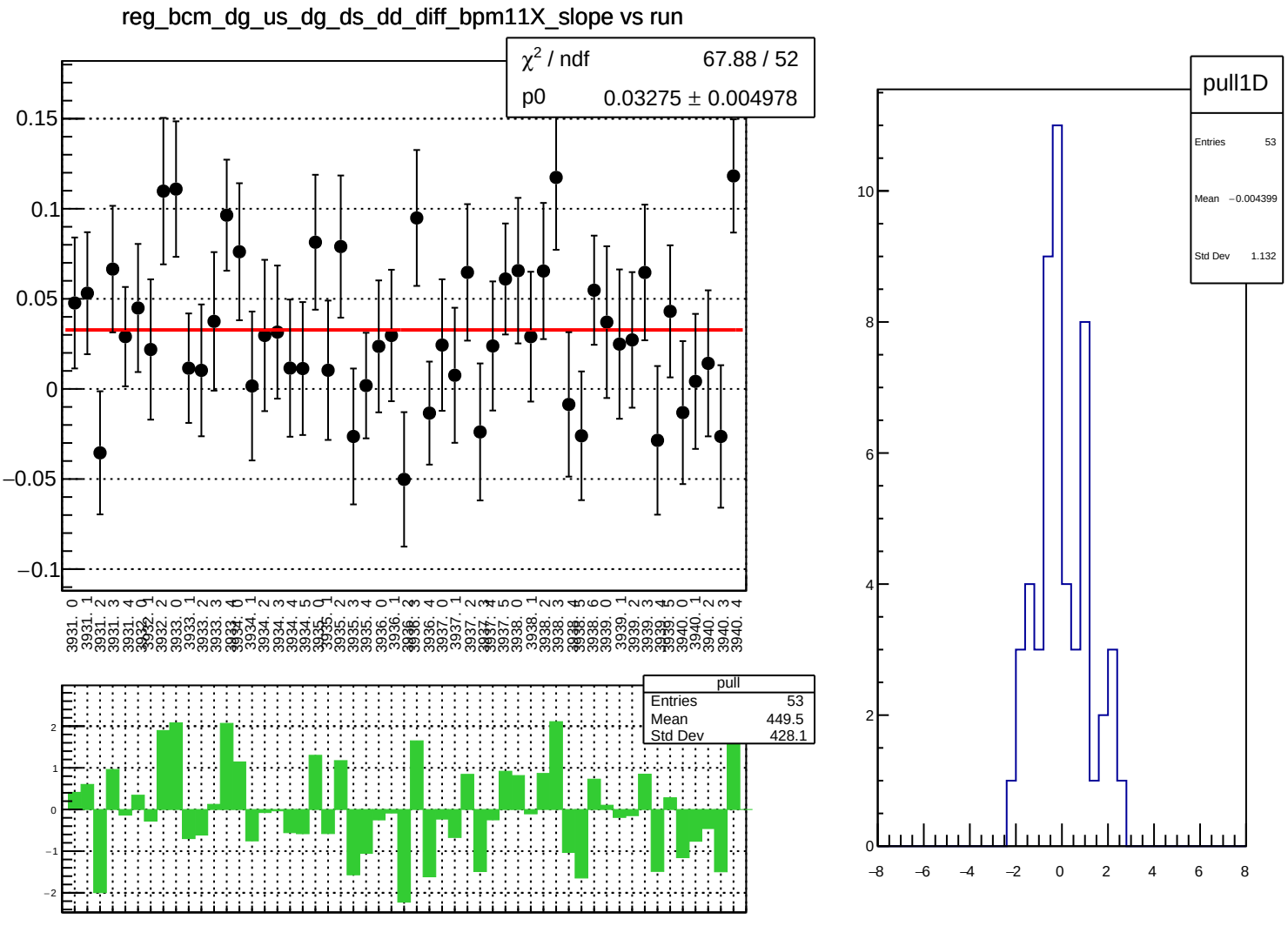

pull1D
Entries 53
Mean −0.01585
Std Dev 1.086

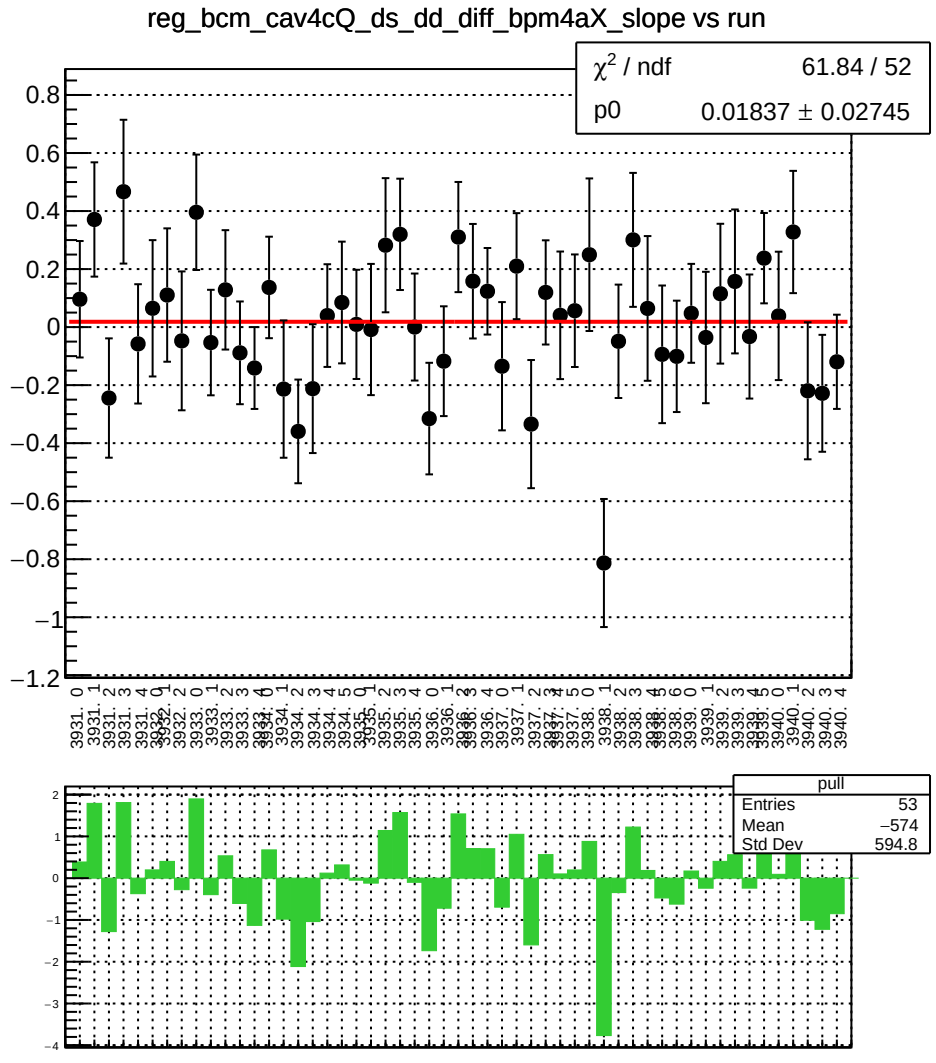

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.98 / 52
p0 0.01053 ± 0.003788
0.15
0.1
0.05
0
−0.05
pull
Entries 53
Mean −876.6
Std Dev 902.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

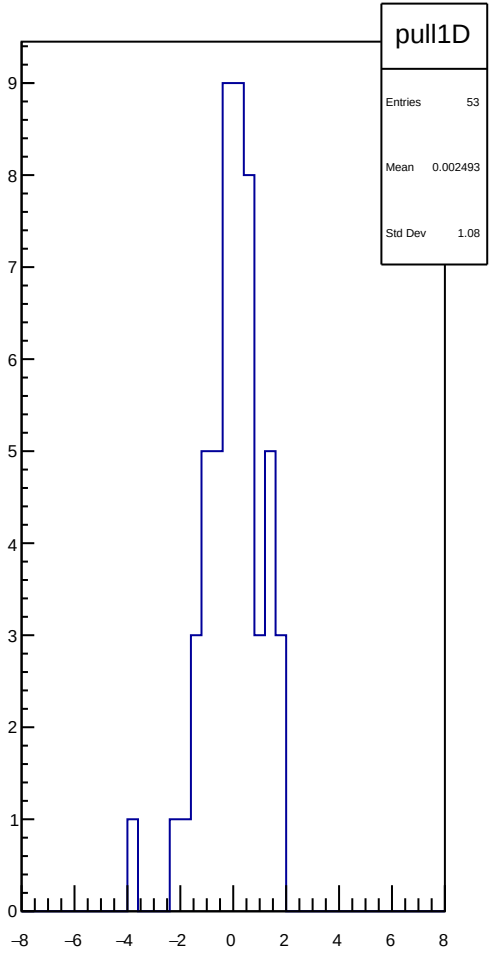

pull1D
Entries 53
Mean 0.003822
Std Dev 0.9314
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

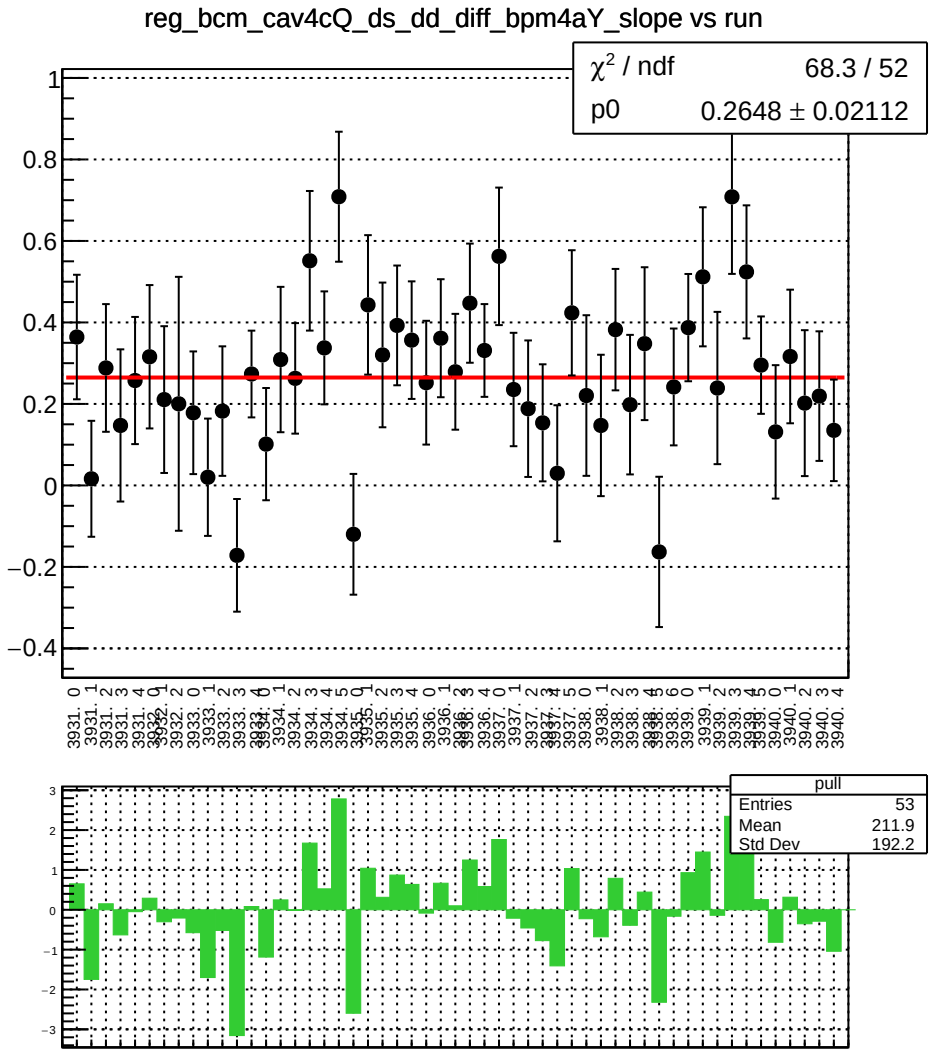

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.24 / 52
p0 0.1573 ± 0.03187
pull
Entries 53
Mean −273.8
Std Dev 306

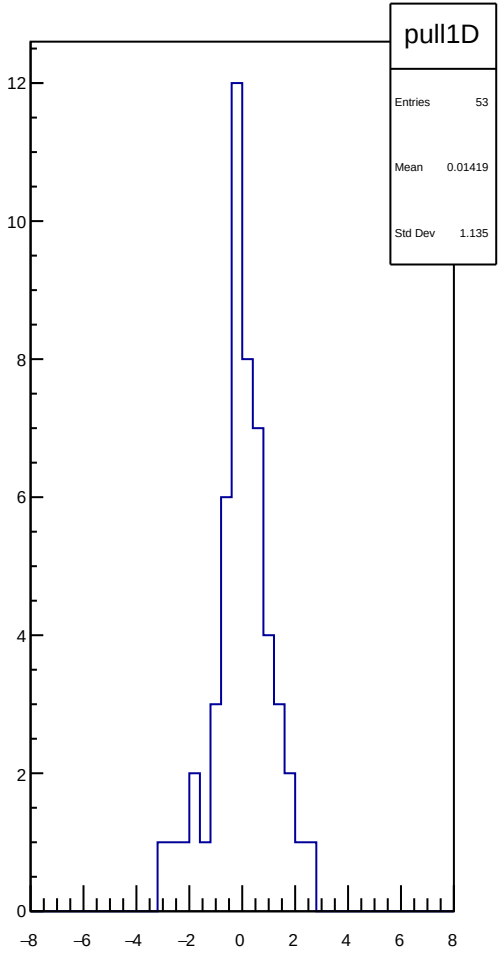

pull1D
Entries 53
Mean 0.008877
Std Dev 1.109

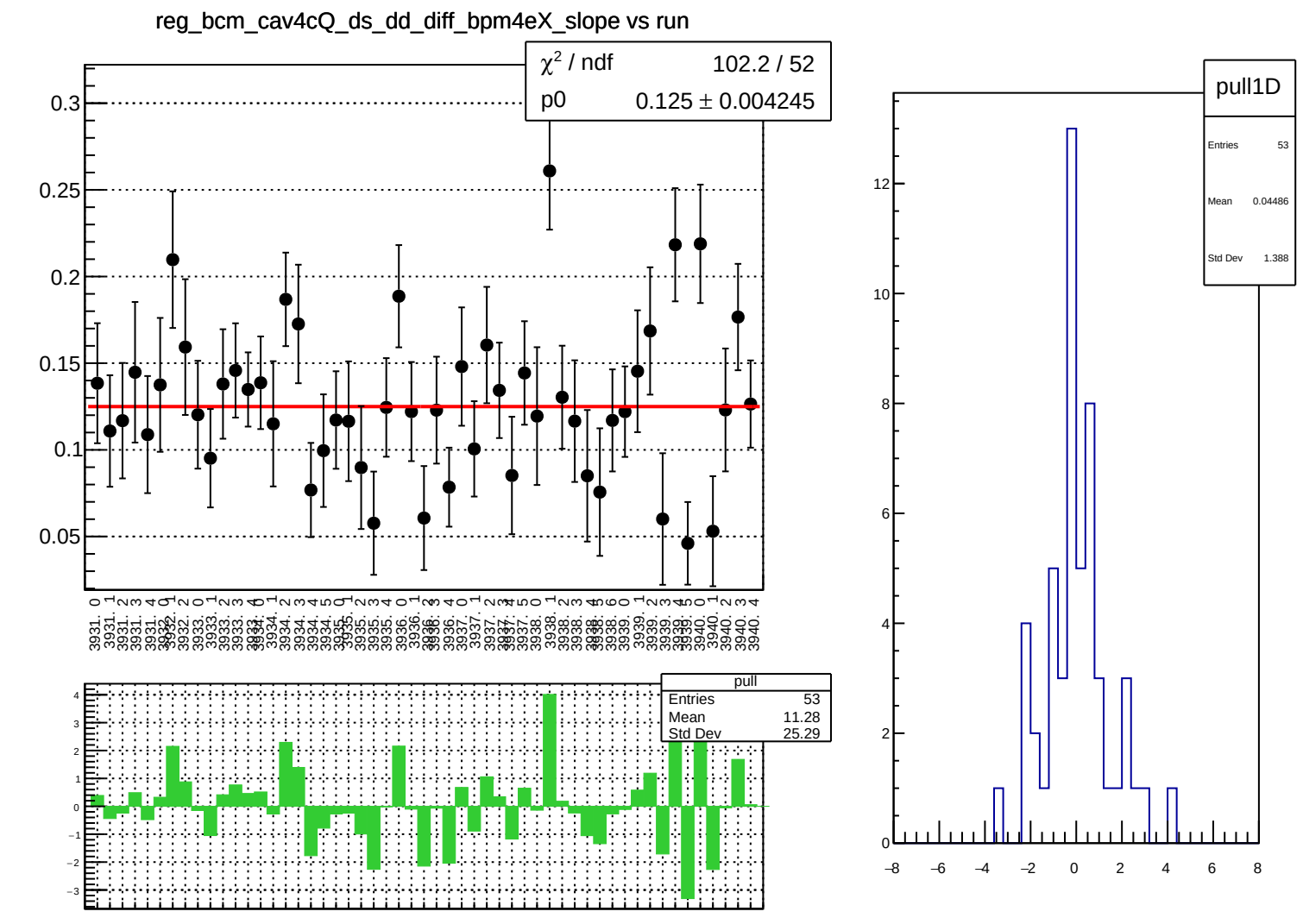

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 67.88 / 52
p0 0.03275 ± 0.004978
pull
Entries 53
Mean 449.5
Std Dev 428.1
pull1D
Entries 53
Mean −0.004399
Std Dev 1.132

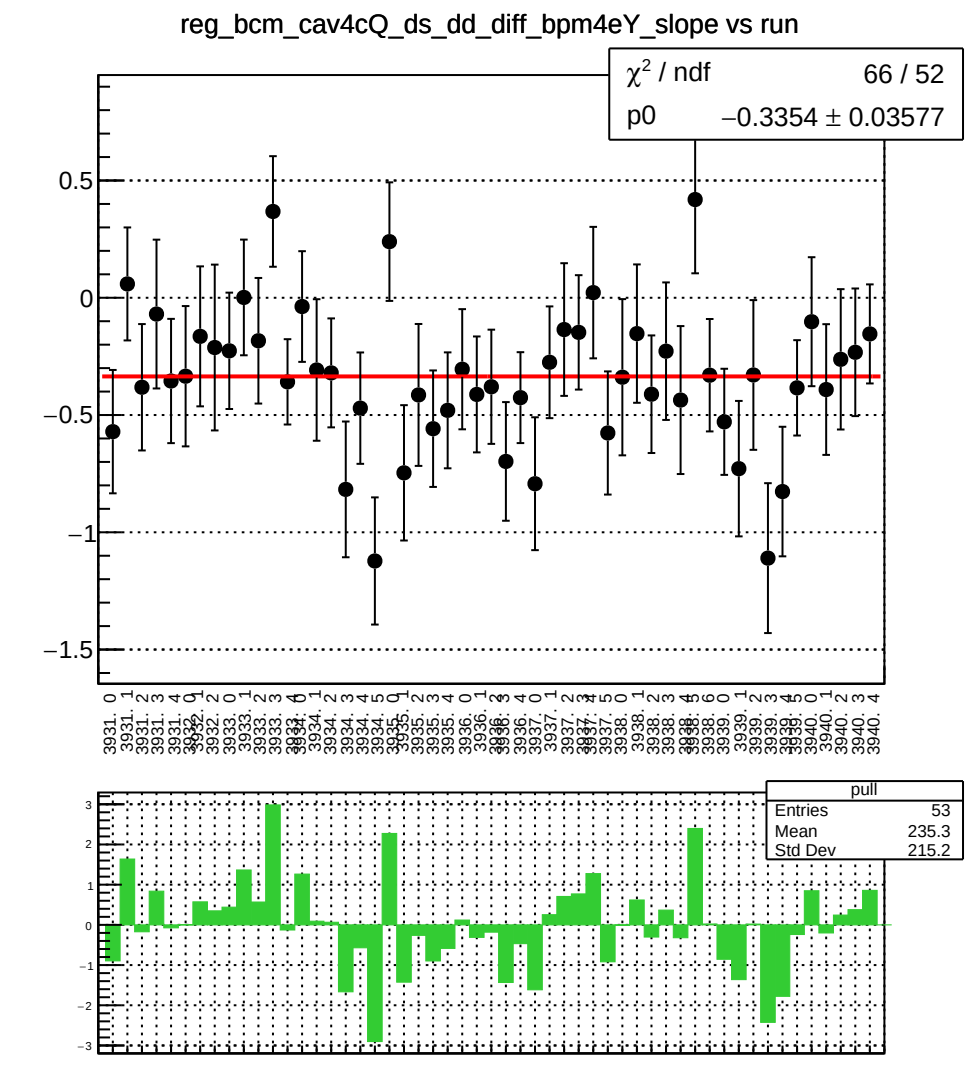

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 61.84 / 52
p0 0.01837 ± 0.02745
pull
Entries 53
Mean −574
Std Dev 594.8

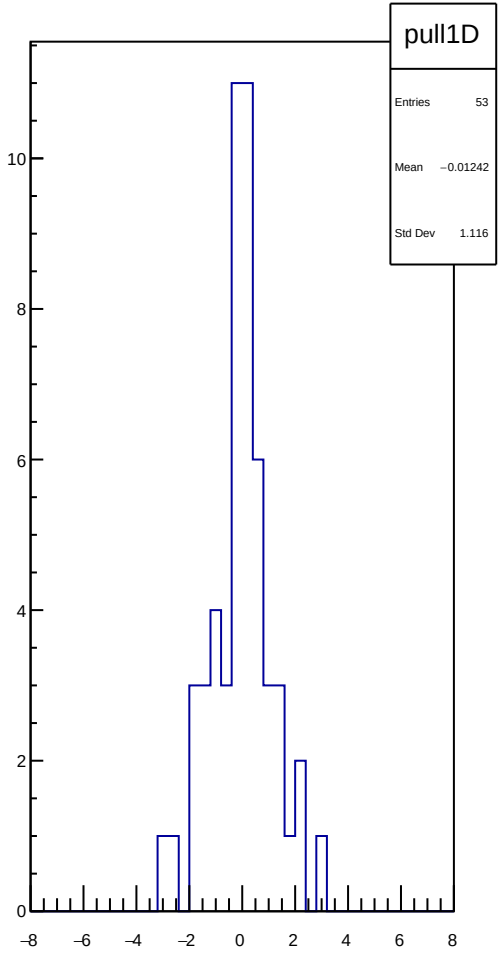

pull1D
Entries 53
Mean 0.002493
Std Dev 1.08

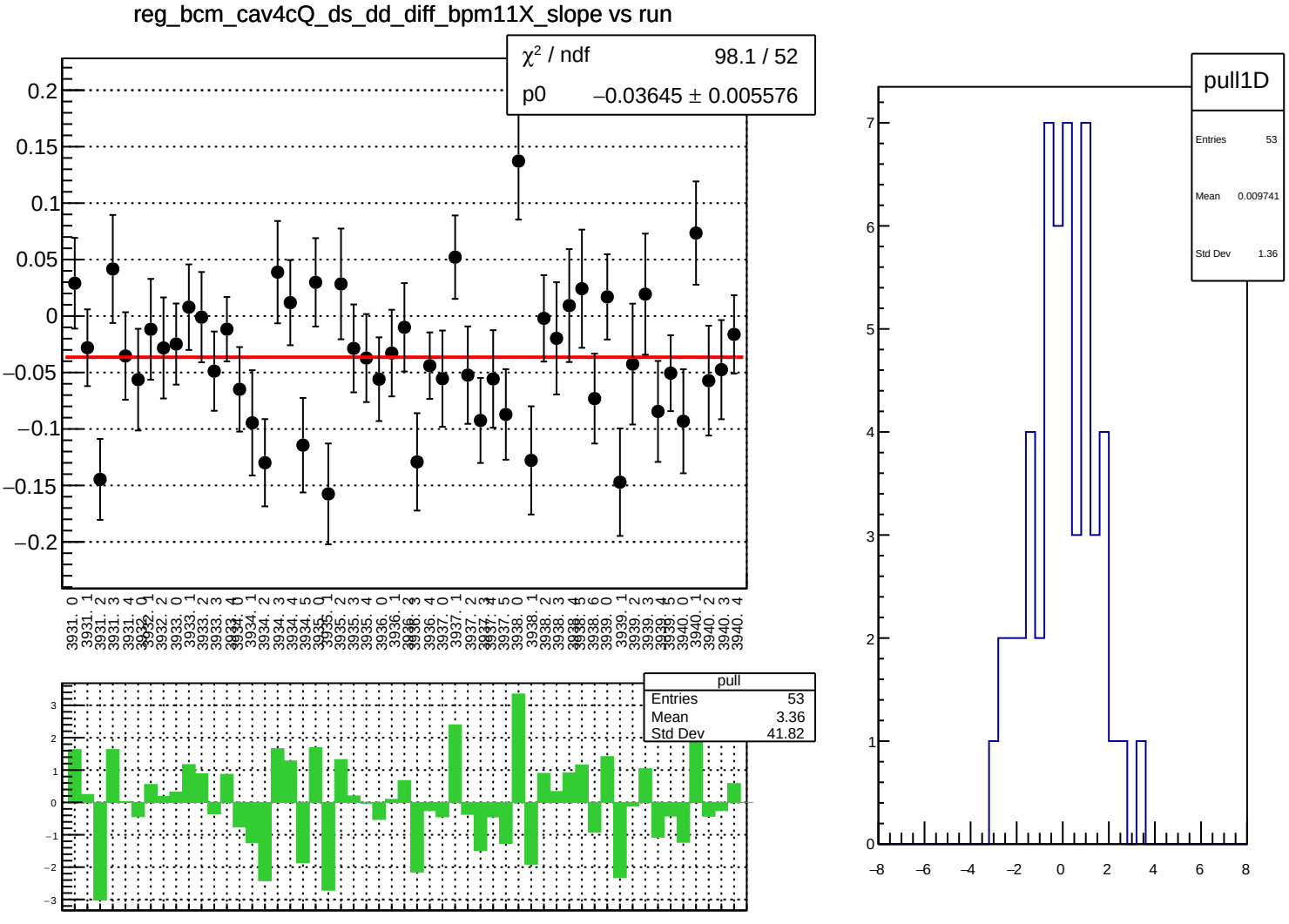

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.3 / 52
p0 0.2648 ± 0.02112
pull
Entries 53
Mean 211.9
Std Dev 192.2

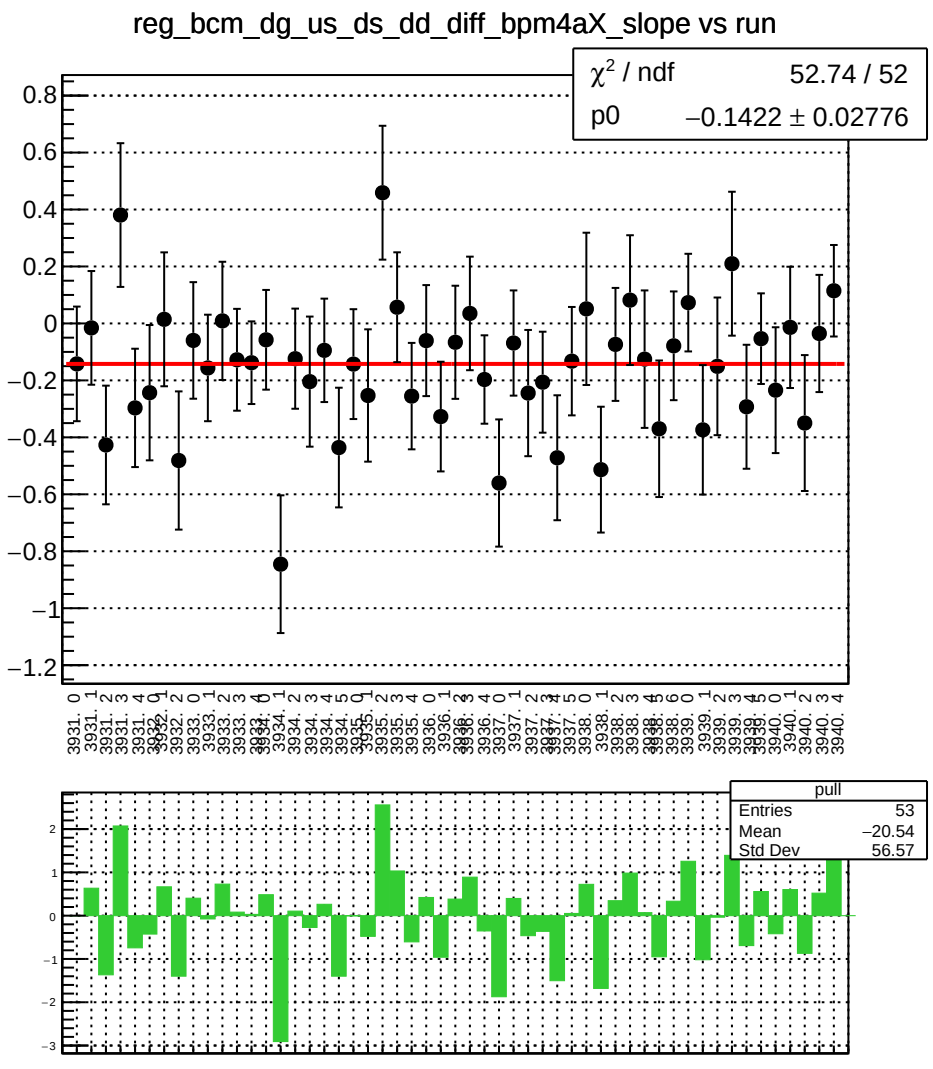

pull1D
Entries 53
Mean 0.01419
Std Dev 1.135

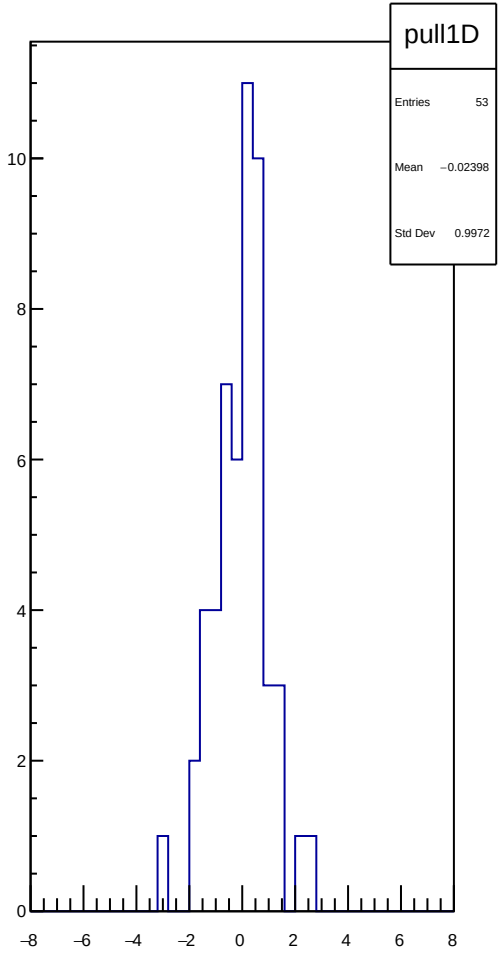

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.2 / 52
p0 0.125 ± 0.004245
0.3
0.25
0.2
0.15
0.1
0.05
pull
Entries 53
Mean 11.28
Std Dev 25.29
pull1D
Entries 53
Mean 0.04486
Std Dev 1.388

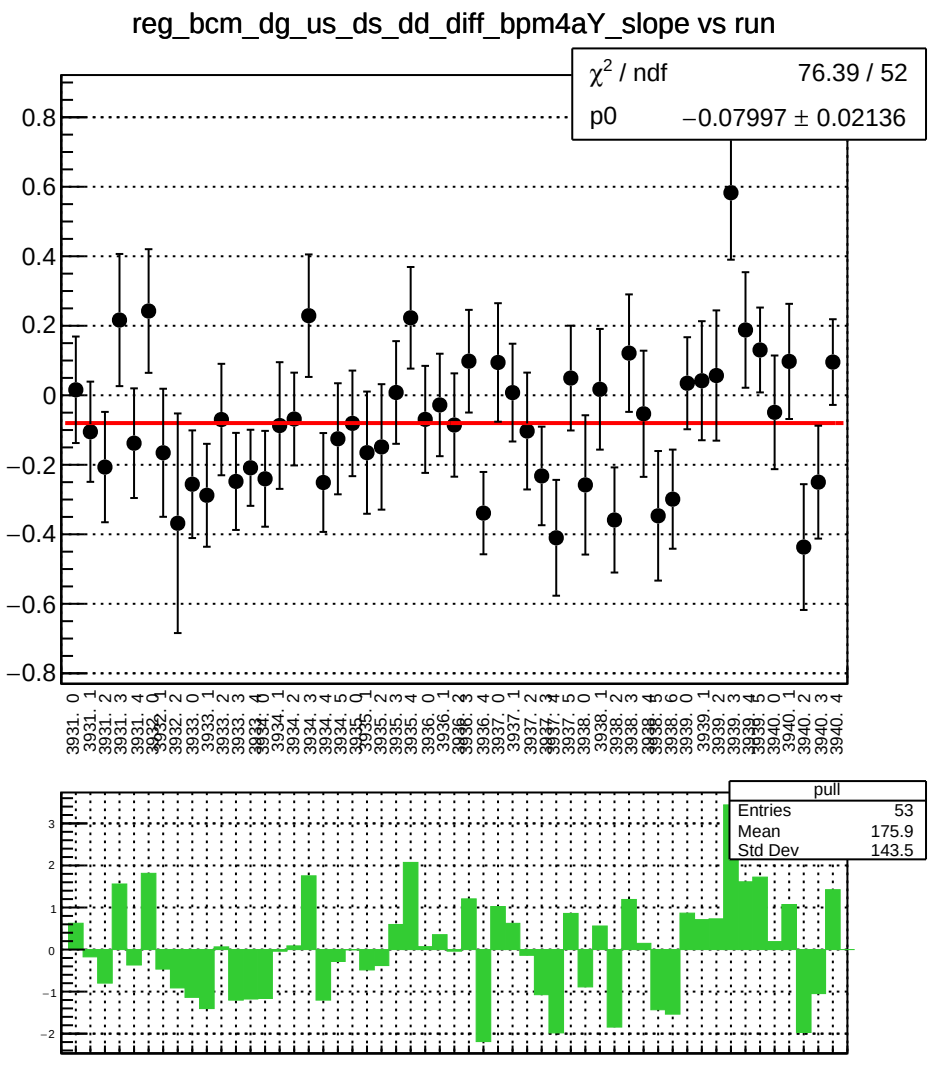

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 66 / 52
p0 −0.3354 ± 0.03577
pull
Entries 53
Mean 235.3
Std Dev 215.2

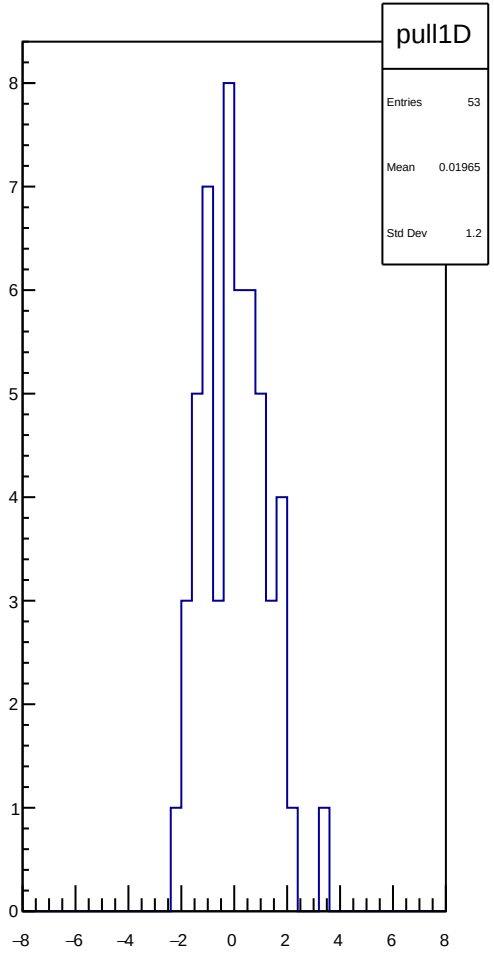

pull1D
Entries 53
Mean −0.01242
Std Dev 1.116

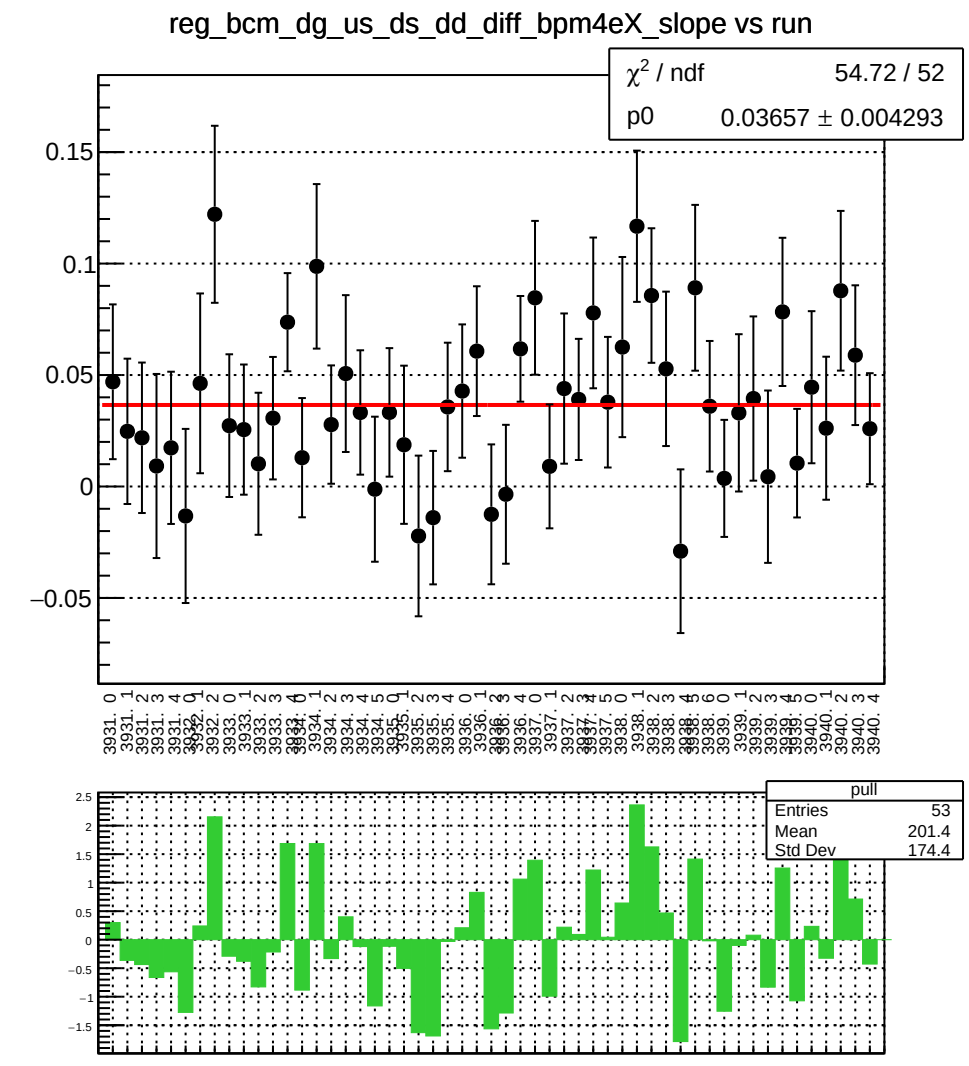

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 98.1 / 52
p0 −0.03645 ± 0.005576
pull
Entries 53
Mean 3.36
Std Dev 41.82
pull1D
Entries 53
Mean 0.009741
Std Dev 1.36

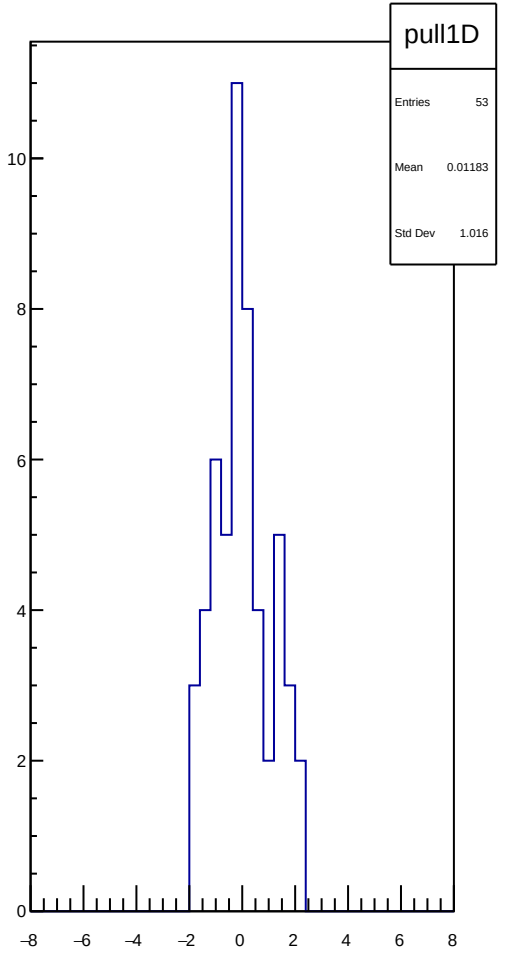

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 52.74 / 52
p0 −0.1422 ± 0.02776
pull
Entries 53
Mean −20.54
Std Dev 56.57

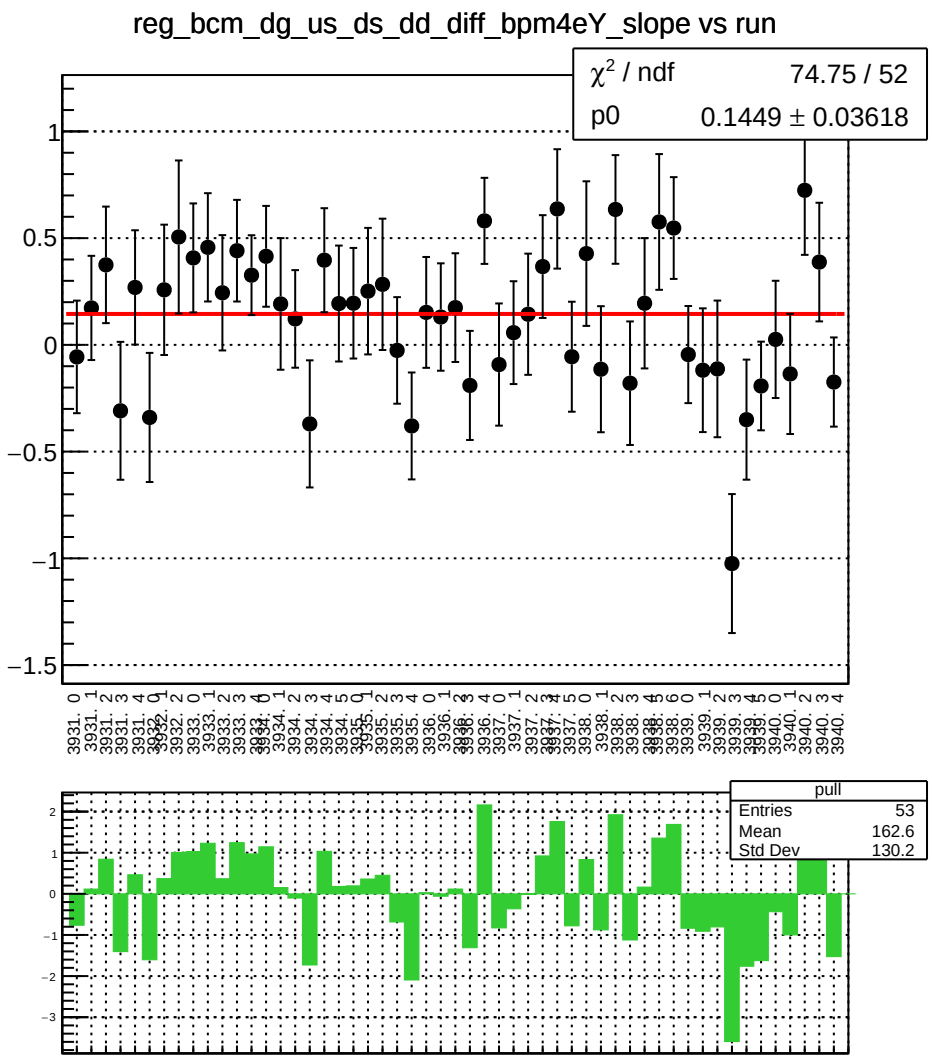

pull1D
Entries 53
Mean −0.02398
Std Dev 0.9972

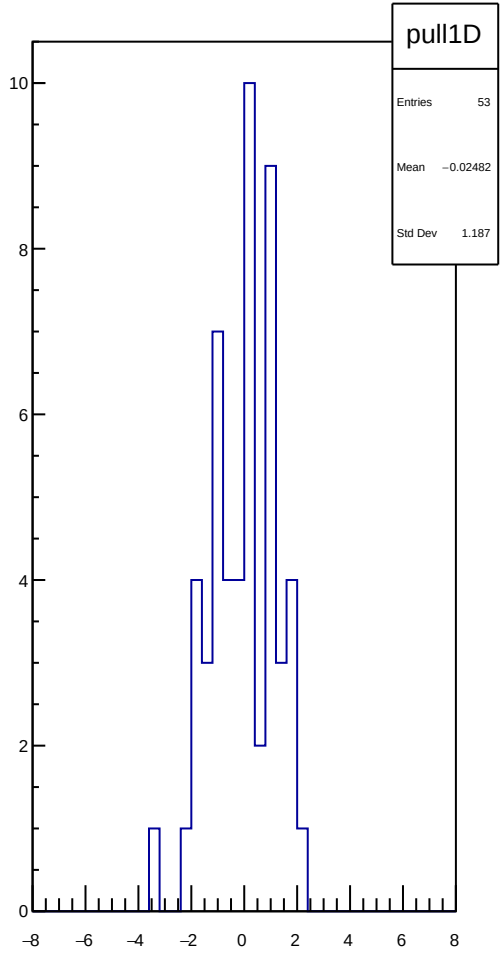

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.39 / 52
p0 −0.07997 ± 0.02136
pull
Entries 53
Mean 175.9
Std Dev 143.5

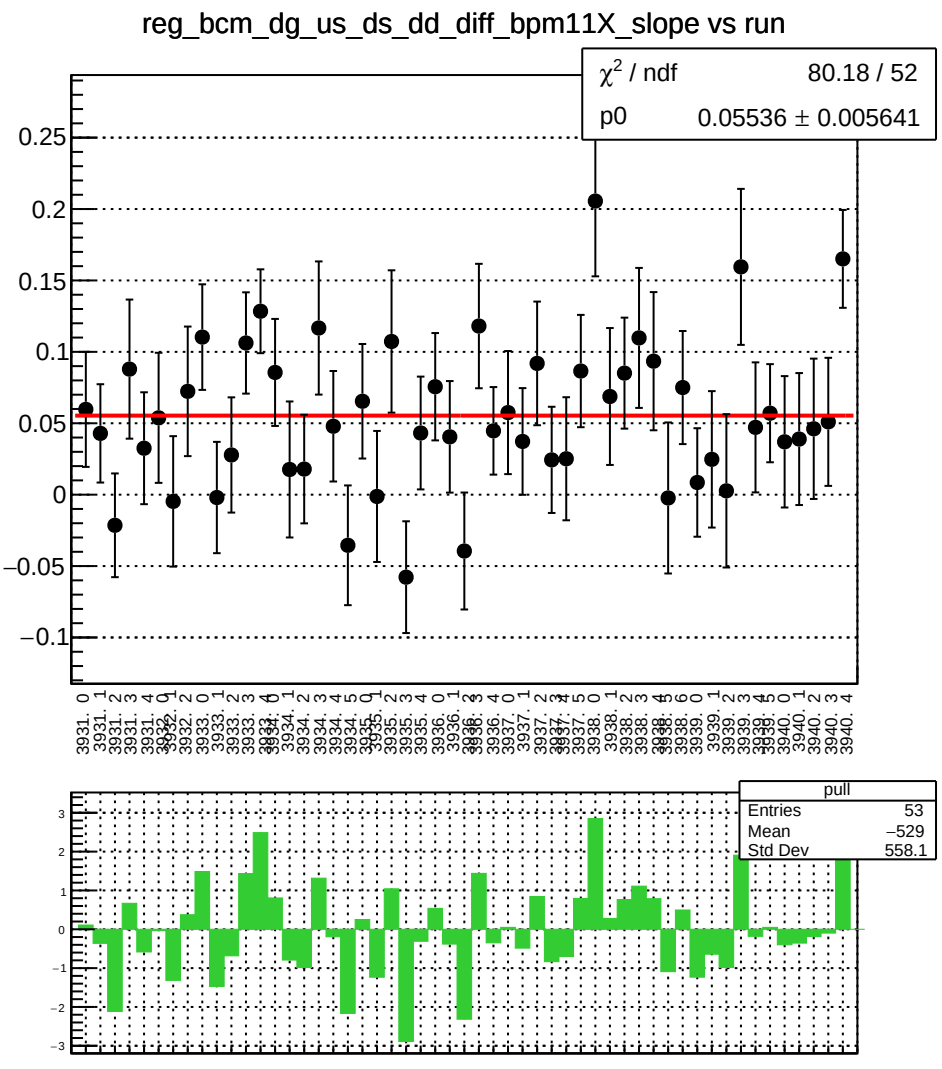

pull1D
Entries 53
Mean 0.01965
Std Dev 1.2

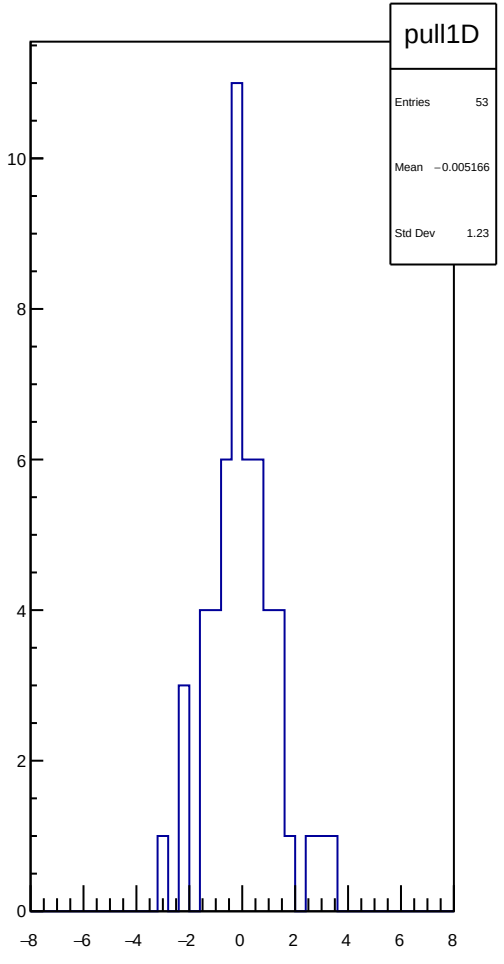

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.72 / 52
p0 0.03657 ± 0.004293
0.15
0.1
0.05
0
−0.05
pull
Entries 53
Mean 201.4
Std Dev 174.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

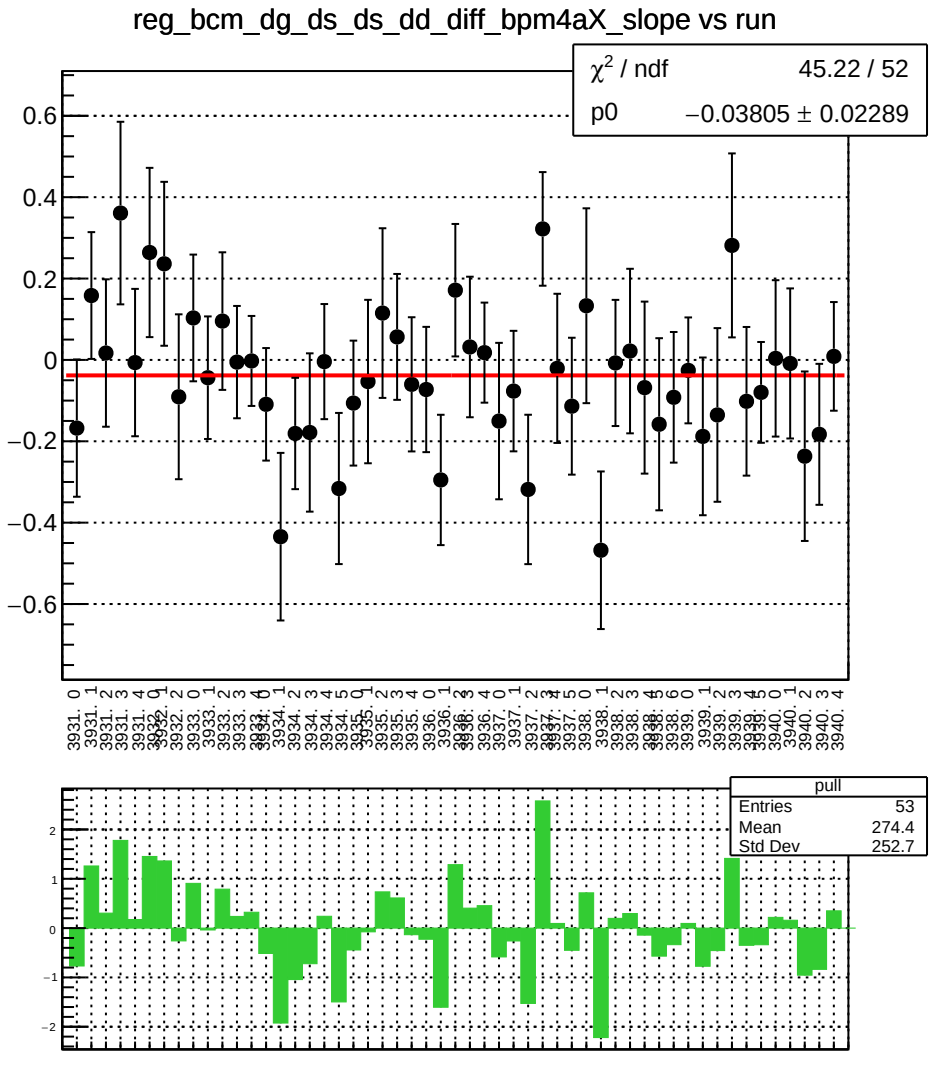

pull1D
Entries 53
Mean 0.01183
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

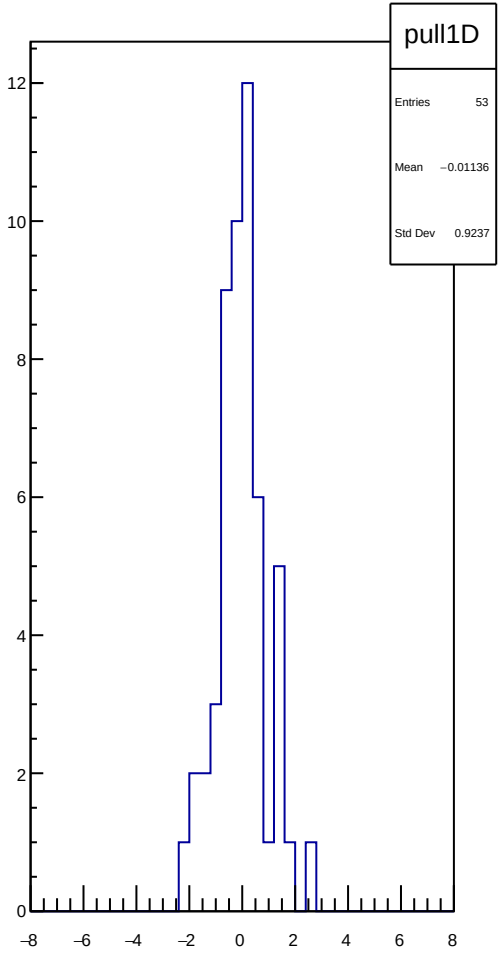

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.75 / 52
p0 0.1449 ± 0.03618
pull
Entries 53
Mean 162.6
Std Dev 130.2

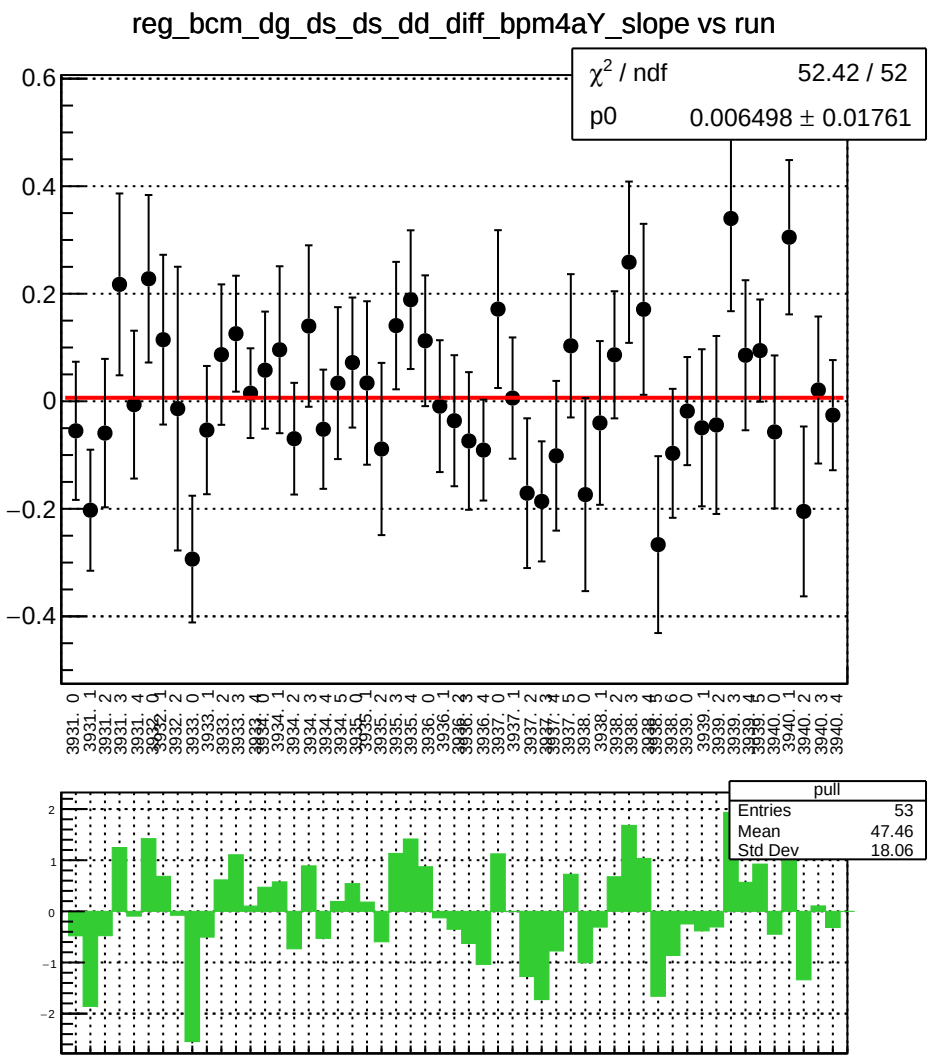

pull1D
Entries 53
Mean −0.02482
Std Dev 1.187

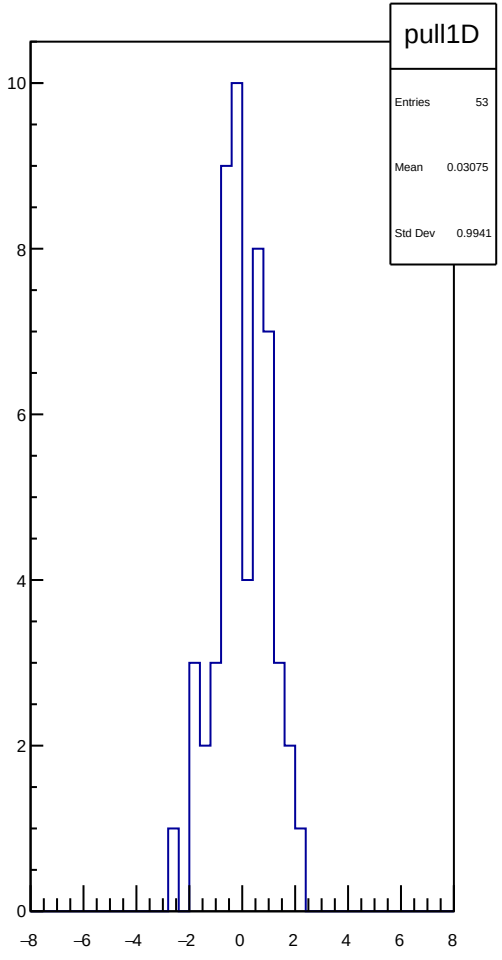

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 80.18 / 52
p0 0.05536 ± 0.005641
pull
Entries 53
Mean −529
Std Dev 558.1

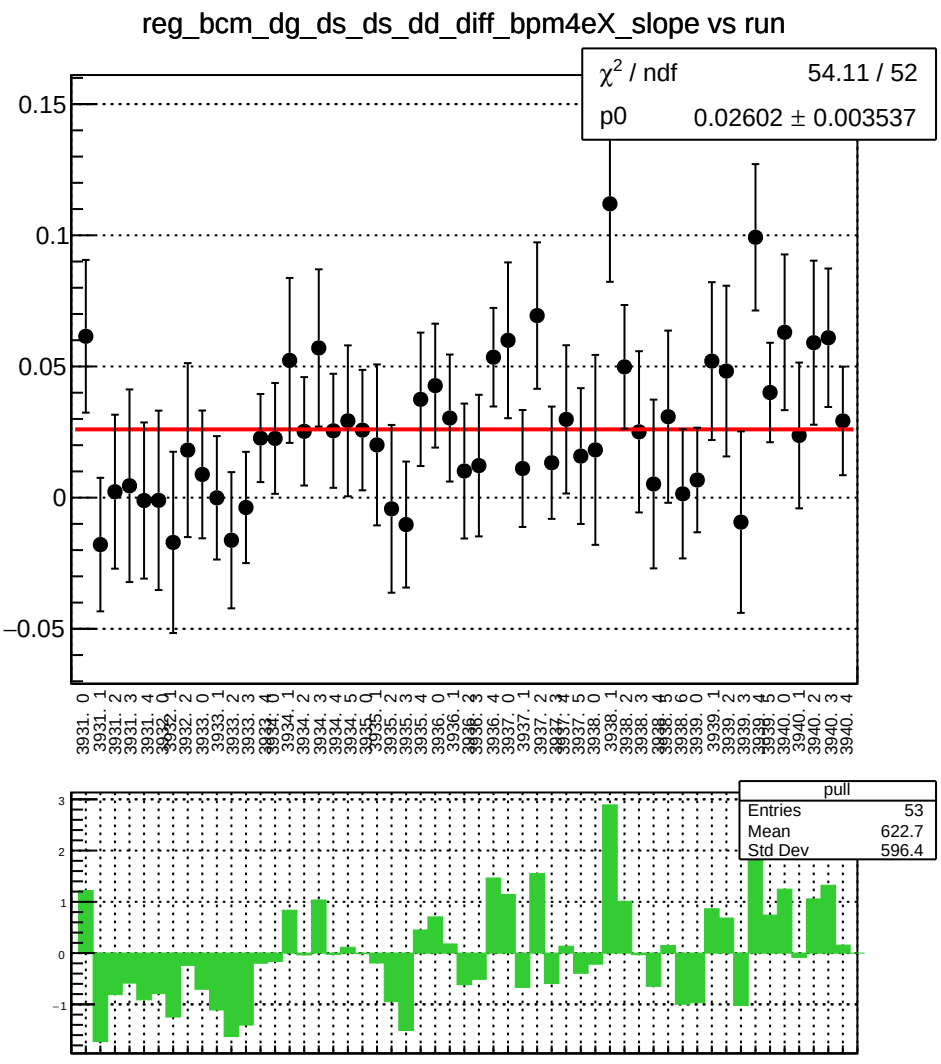

pull1D
Entries 53
Mean −0.005166
Std Dev 1.23

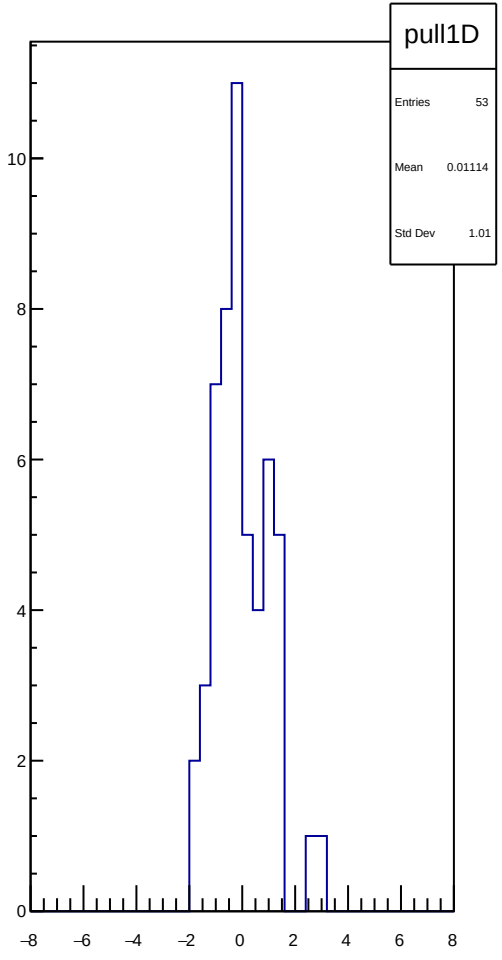

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 45.22 / 52
p0 −0.03805 ± 0.02289
pull
Entries 53
Mean 274.4
Std Dev 252.7

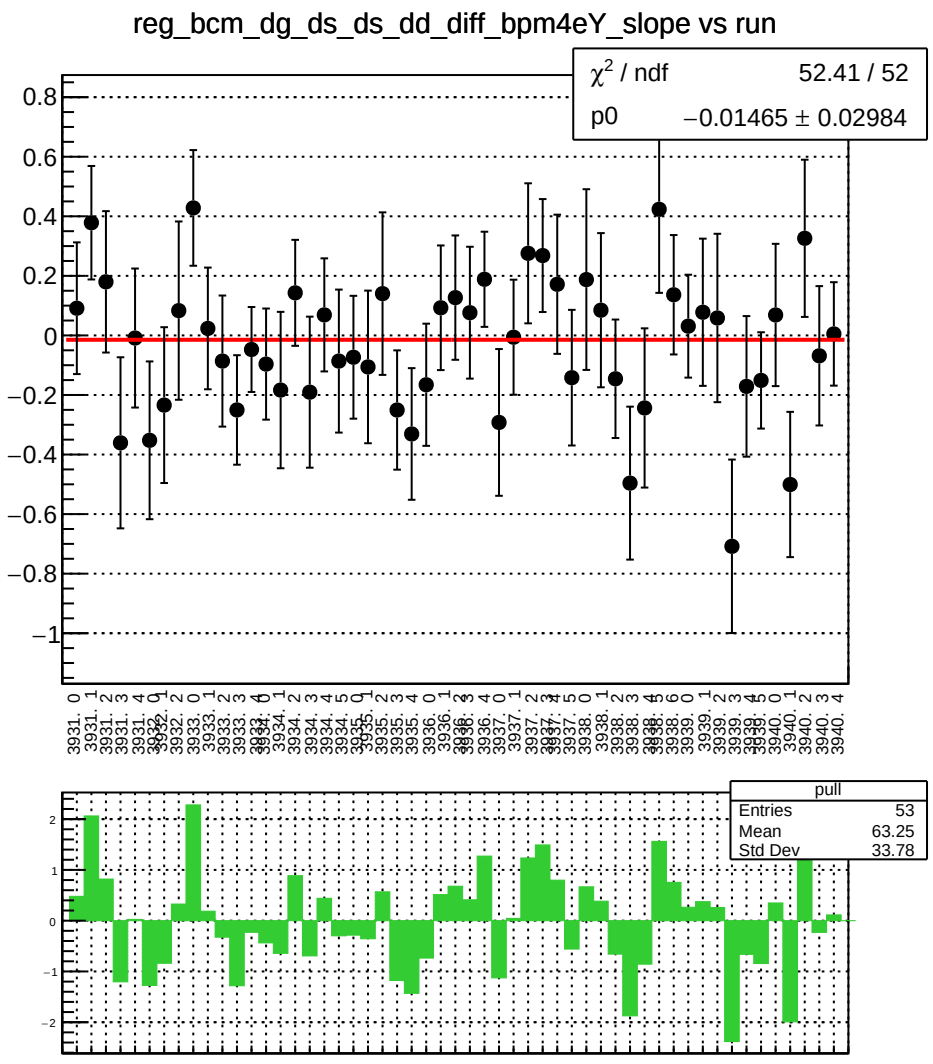

pull1D
Entries 53
Mean −0.01136
Std Dev 0.9237

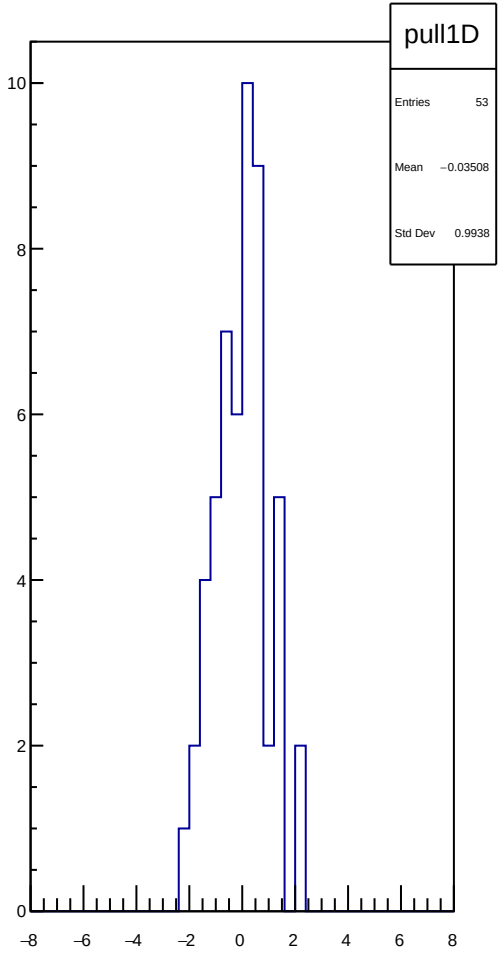

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 52.42 / 52
p0 0.006498 ± 0.01761
pull
Entries 53
Mean 47.46
Std Dev 18.06

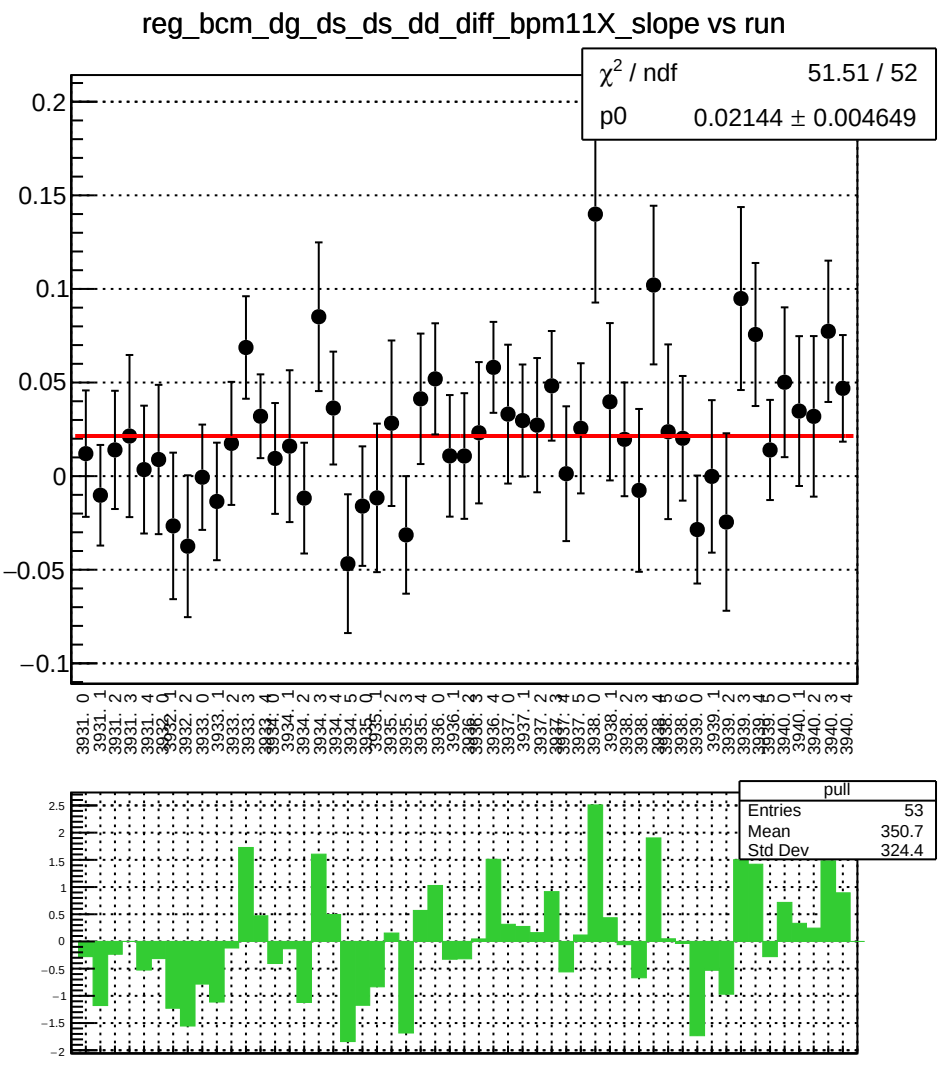

pull1D
Entries 53
Mean 0.03075
Std Dev 0.9941

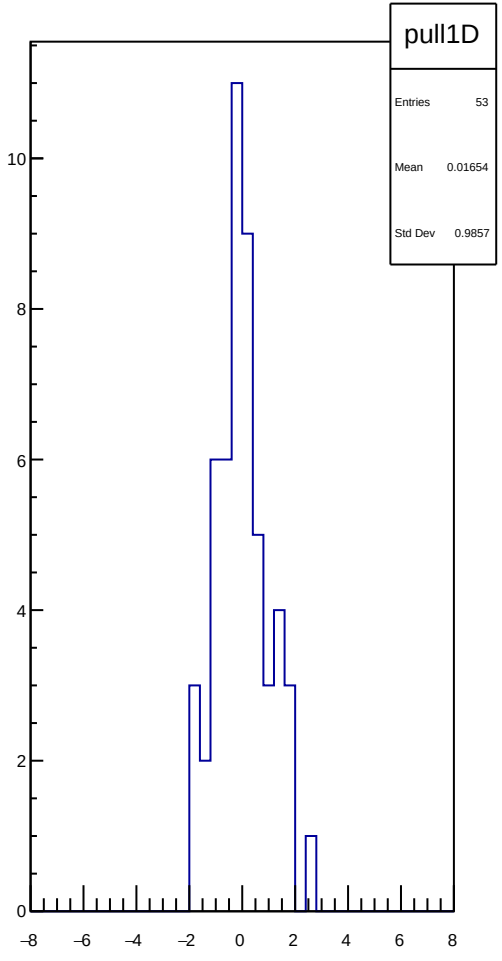

reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.11 / 52
p0 0.02602 ± 0.003537
pull
Entries 53
Mean 622.7
Std Dev 596.4

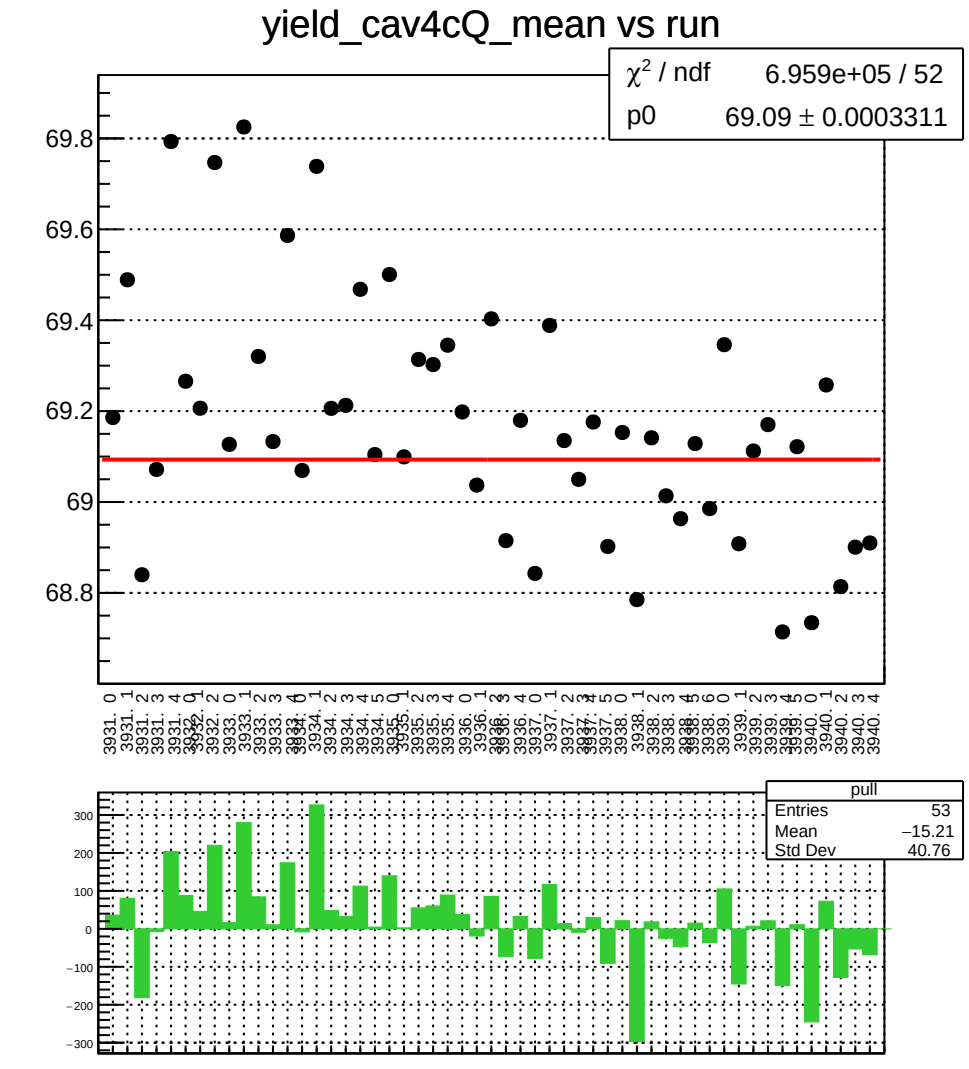

pull1D
Entries 53
Mean 0.01114
Std Dev 1.01

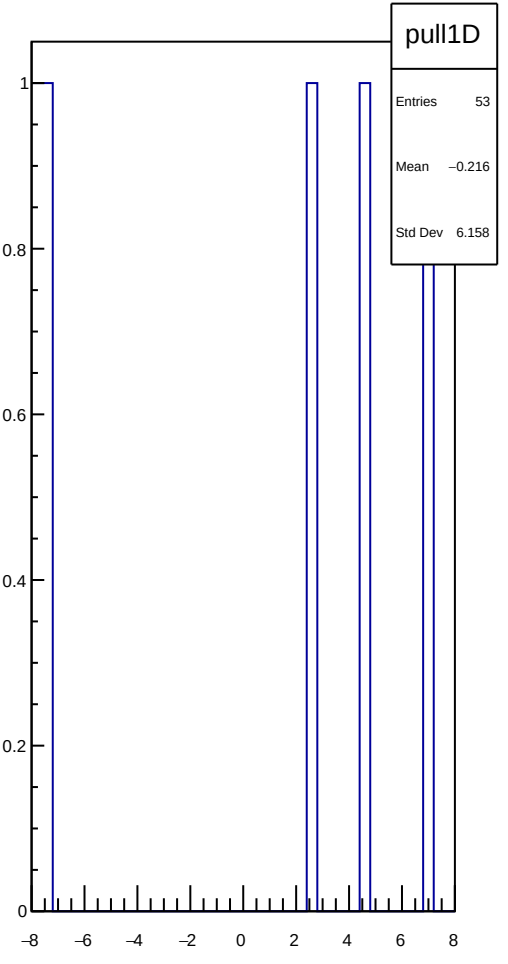

reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.41 / 52
p0 −0.01465 ± 0.02984
pull
Entries 53
Mean 63.25
Std Dev 33.78

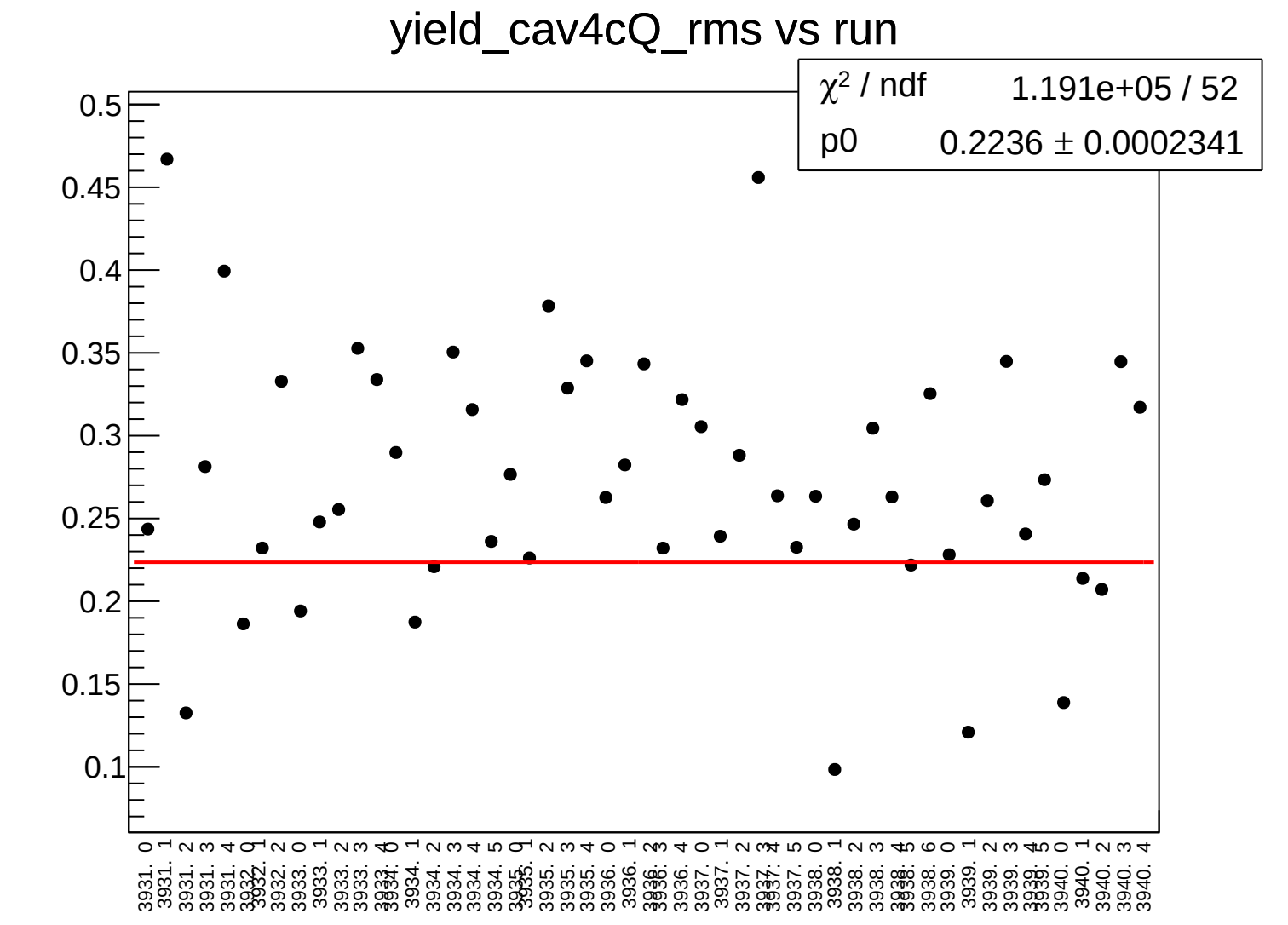

pull1D
Entries 53
Mean −0.03508
Std Dev 0.9938

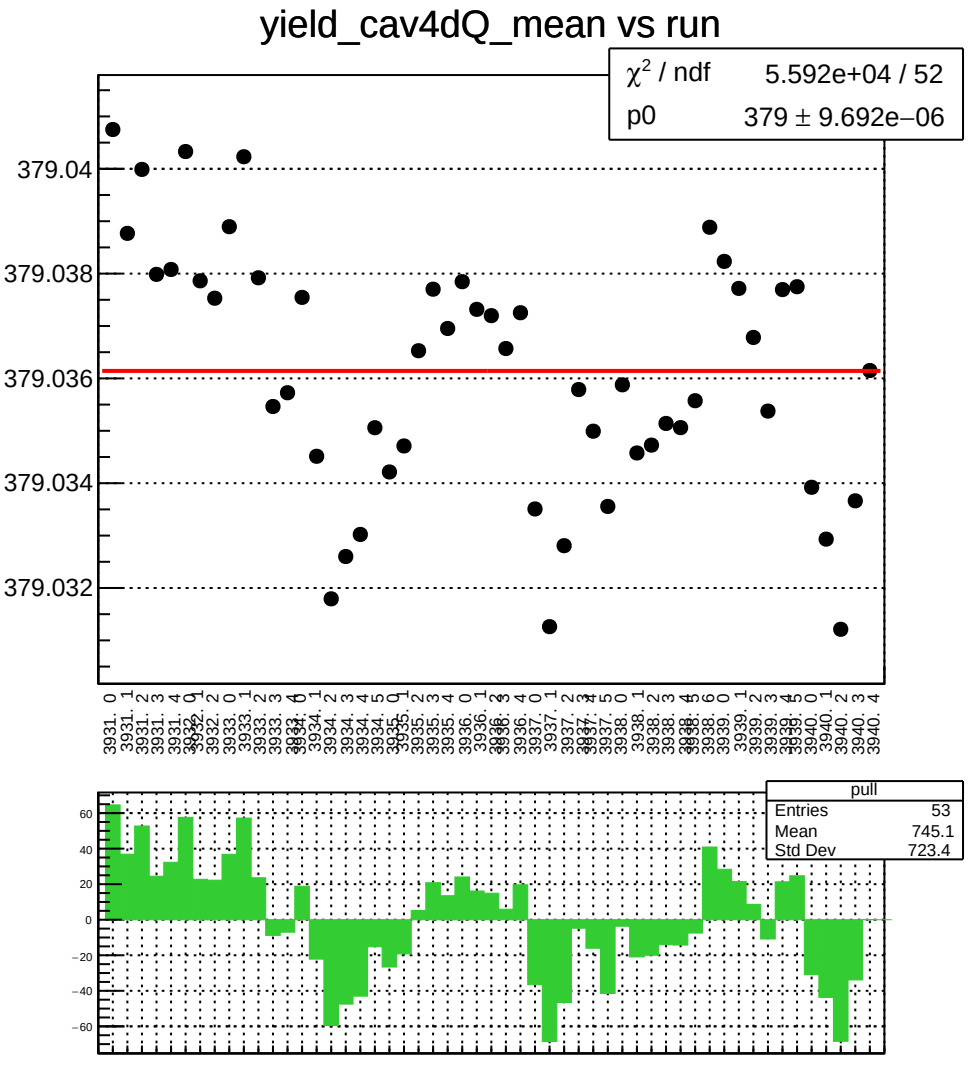

reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 51.51 / 52
p0 0.02144 ± 0.004649
pull
Entries 53
Mean 350.7
Std Dev 324.4

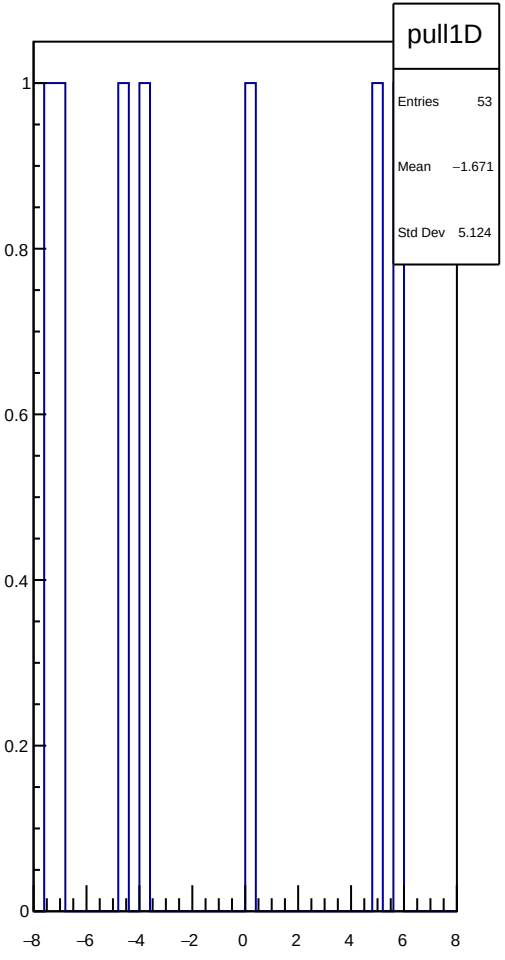

pull1D
Entries 53
Mean 0.01654
Std Dev 0.9857

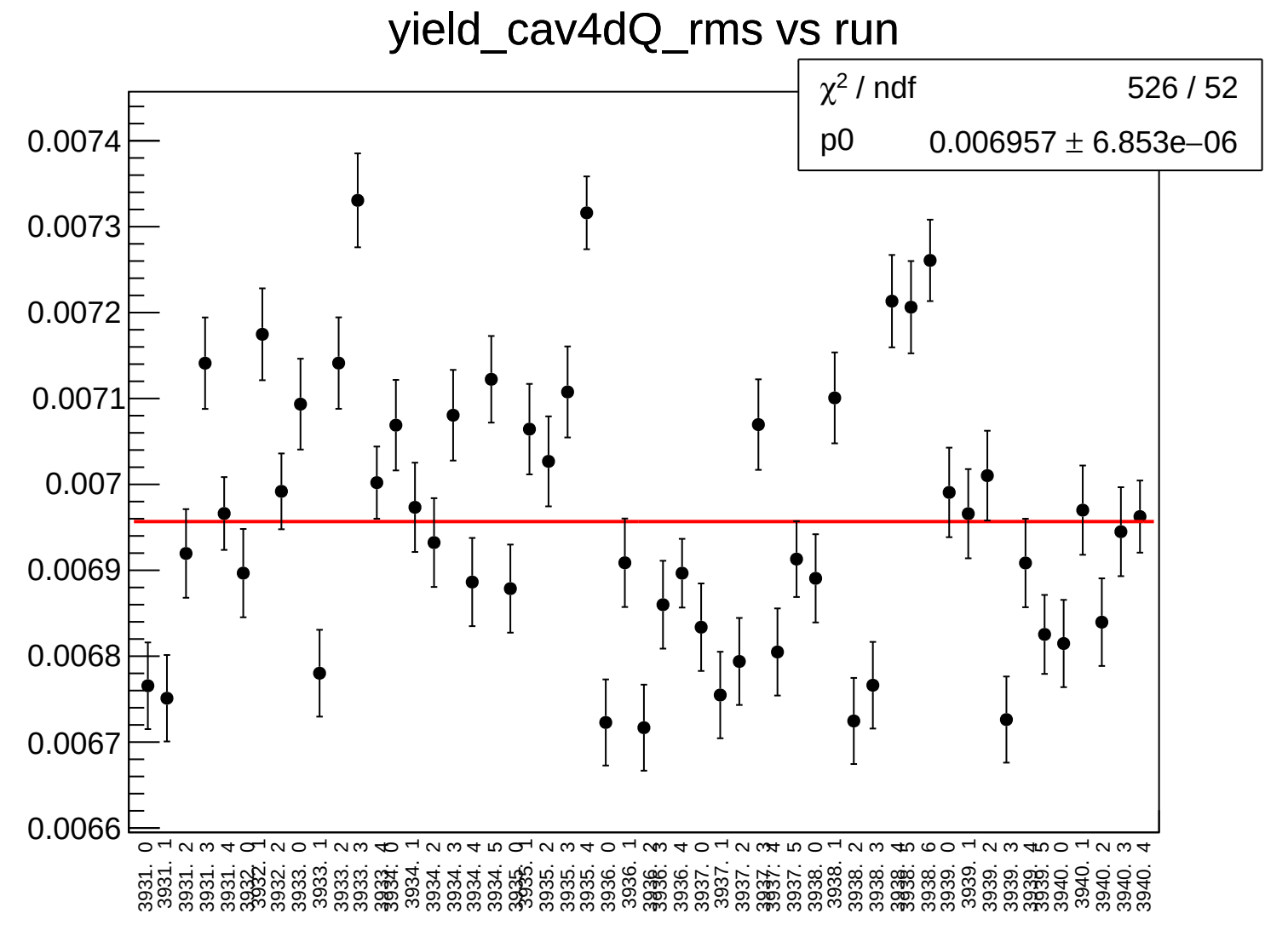

yield_cav4cQ_mean vs run
χ² / ndf 6.959e+05 / 52
p0 69.09 ± 0.0003311
69.8
69.6
69.4
69.2
69
68.8
pull
Entries 53
Mean −15.21
Std Dev 40.76
300
200
100
0
−100
−200
−300

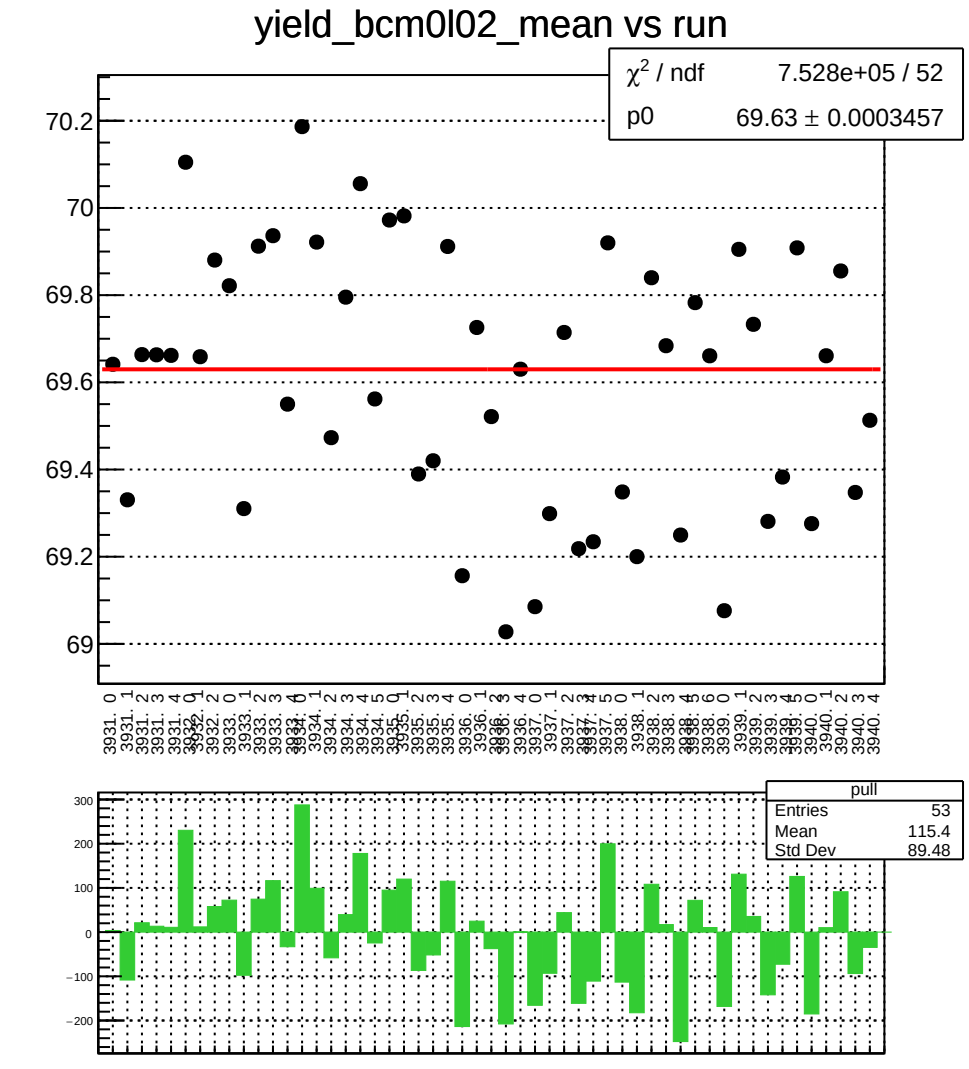

pull1D
Entries 53
Mean −0.216
Std Dev 6.158
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

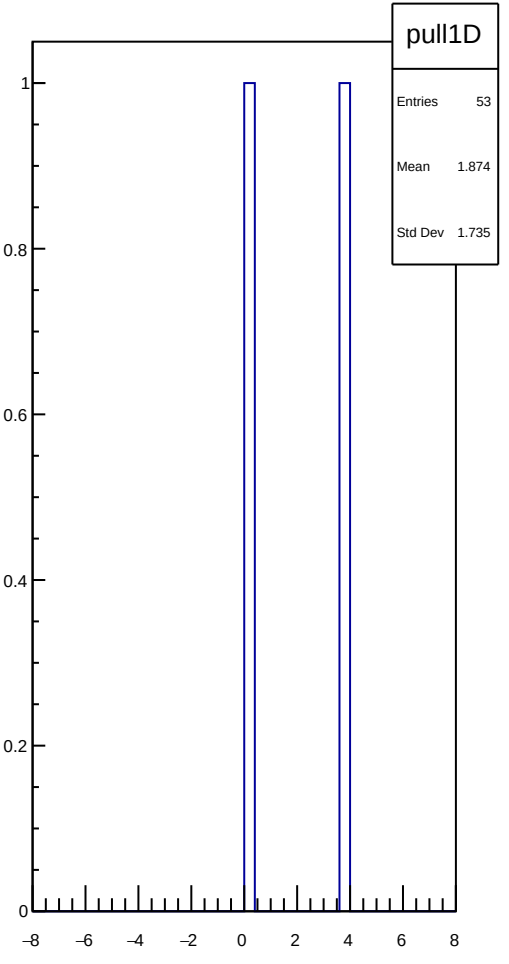

yield_cav4cQ_rms vs run
χ² / ndf 1.191e+05 / 52
p0 0.2236 ± 0.0002341
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

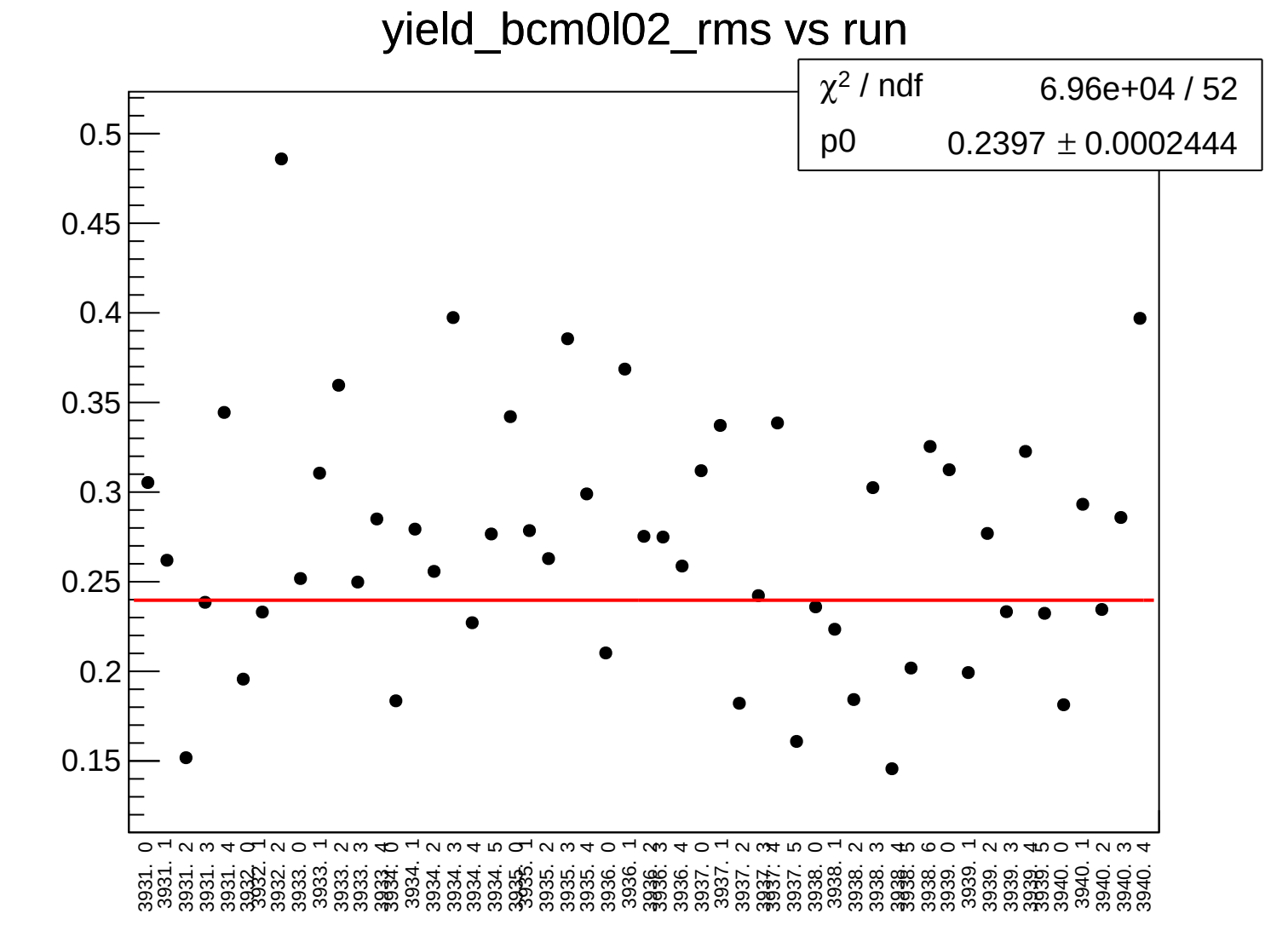

yield_cav4dQ_mean vs run
χ² / ndf 5.592e+04 / 52
p0 379 ± 9.692e−06
379.04
379.038
379.036
379.034
379.032
pull
Entries 53
Mean 745.1
Std Dev 723.4
60
40
20
0
−20
−40
−60

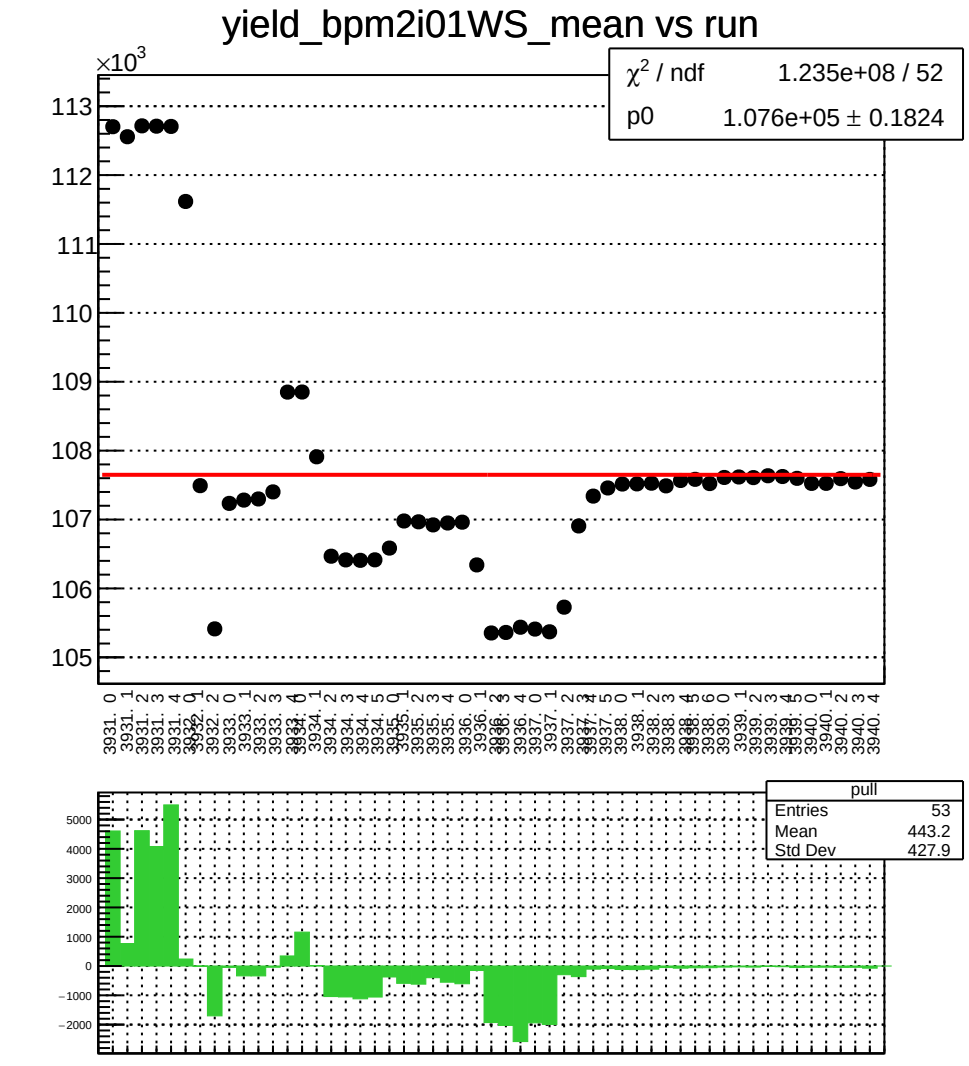

pull1D
Entries 53
Mean −1.671
Std Dev 5.124
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

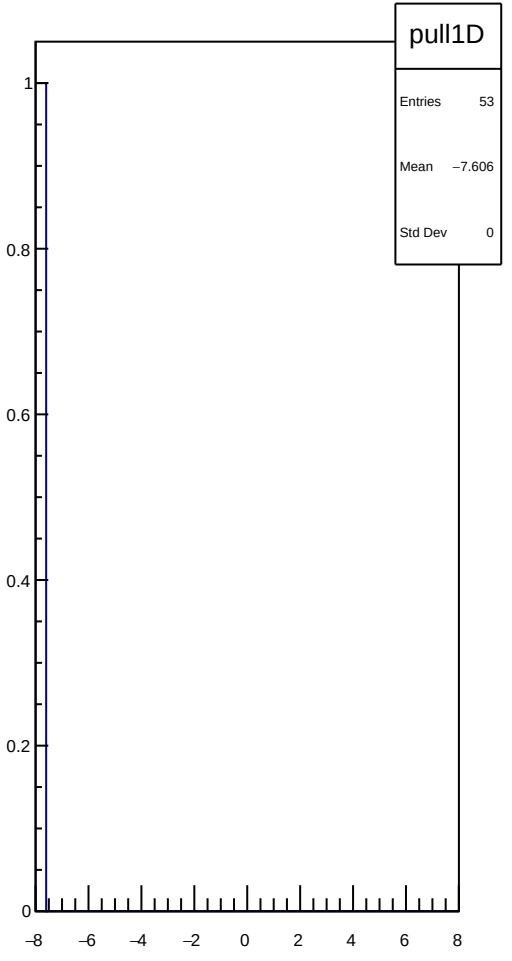

yield_cav4dQ_rms vs run
χ² / ndf 526 / 52
p0 0.006957 ± 6.853e−06
0.0074
0.0073
0.0072
0.0071
0.007
0.0069
0.0068
0.0067
0.0066

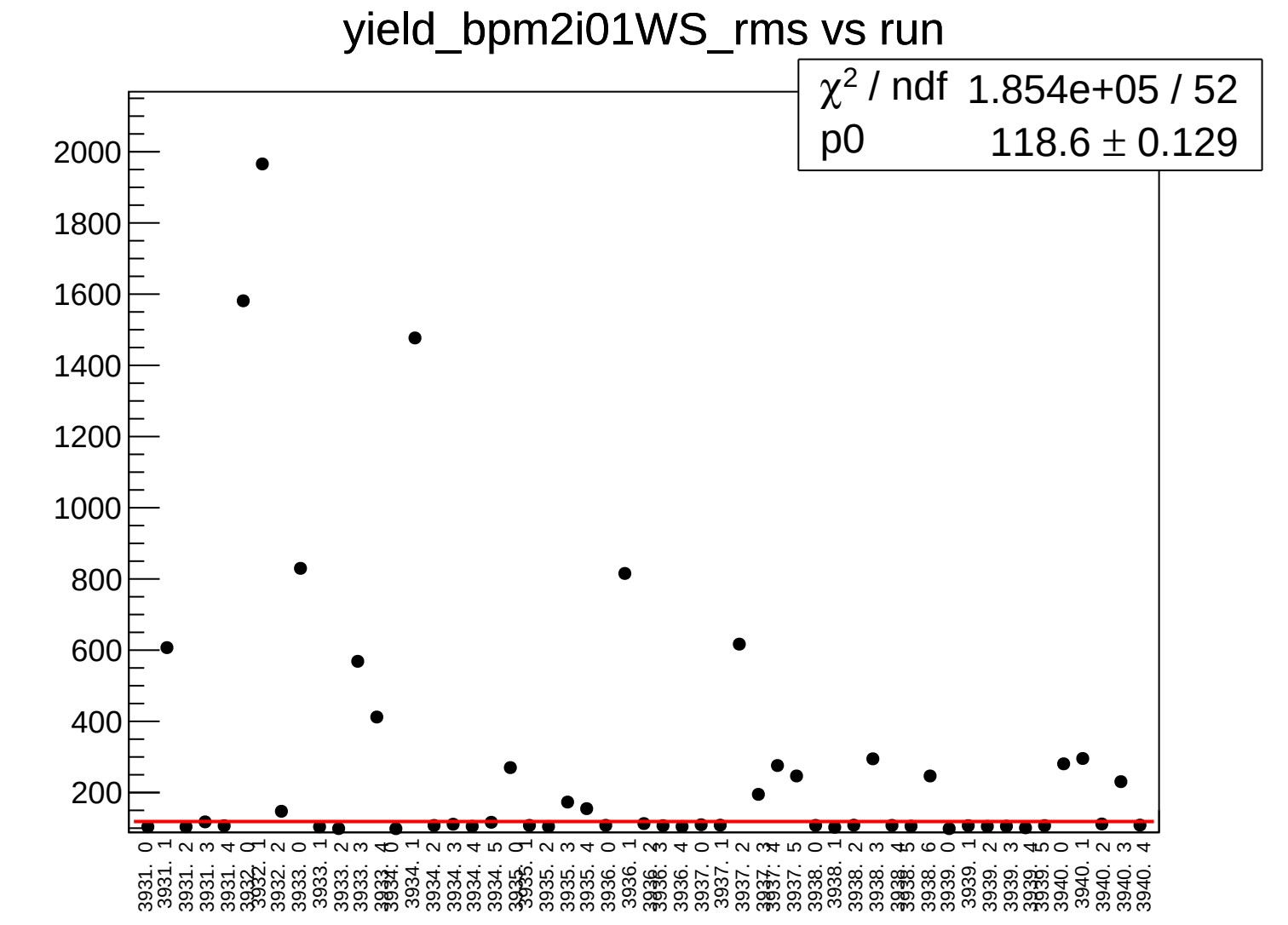

yield_bcm0l02_mean vs run
χ² / ndf 7.528e+05 / 52
p0 69.63 ± 0.0003457
70.2
70
69.8
69.6
69.4
69.2
69
pull
Entries 53
Mean 115.4
Std Dev 89.48
300
200
100
0
−100
−200

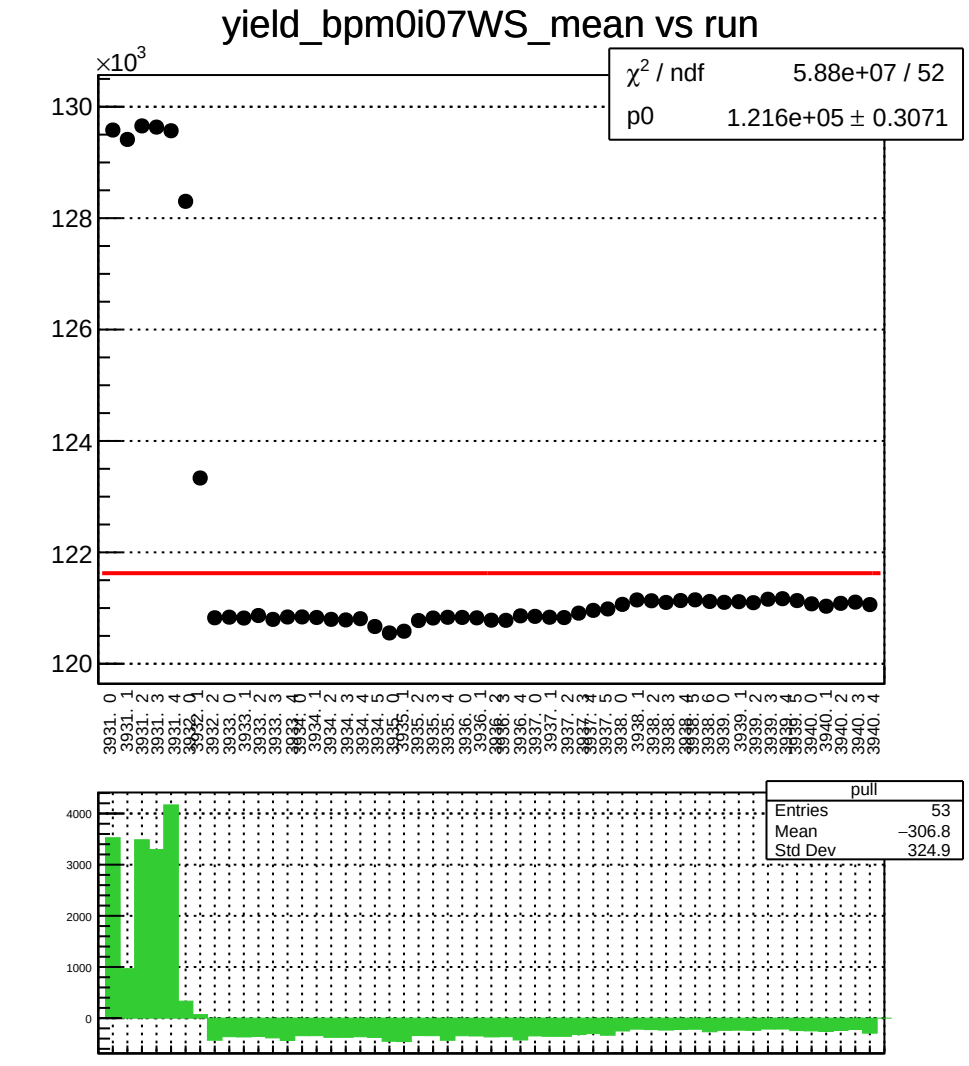

pull1D
Entries 53
Mean 1.874
Std Dev 1.735
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

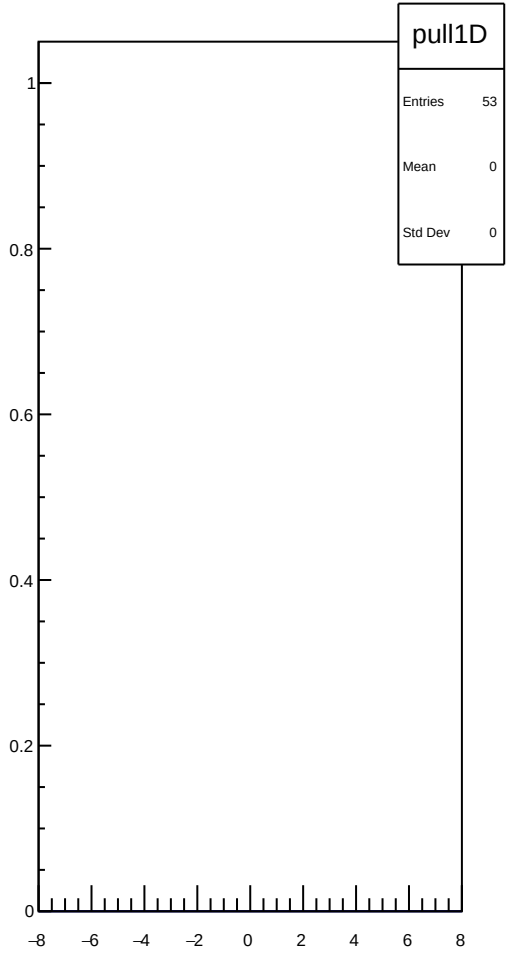

yield_bcm0l02_rms vs run
χ² / ndf 6.96e+04 / 52
p0 0.2397 ± 0.0002444
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15

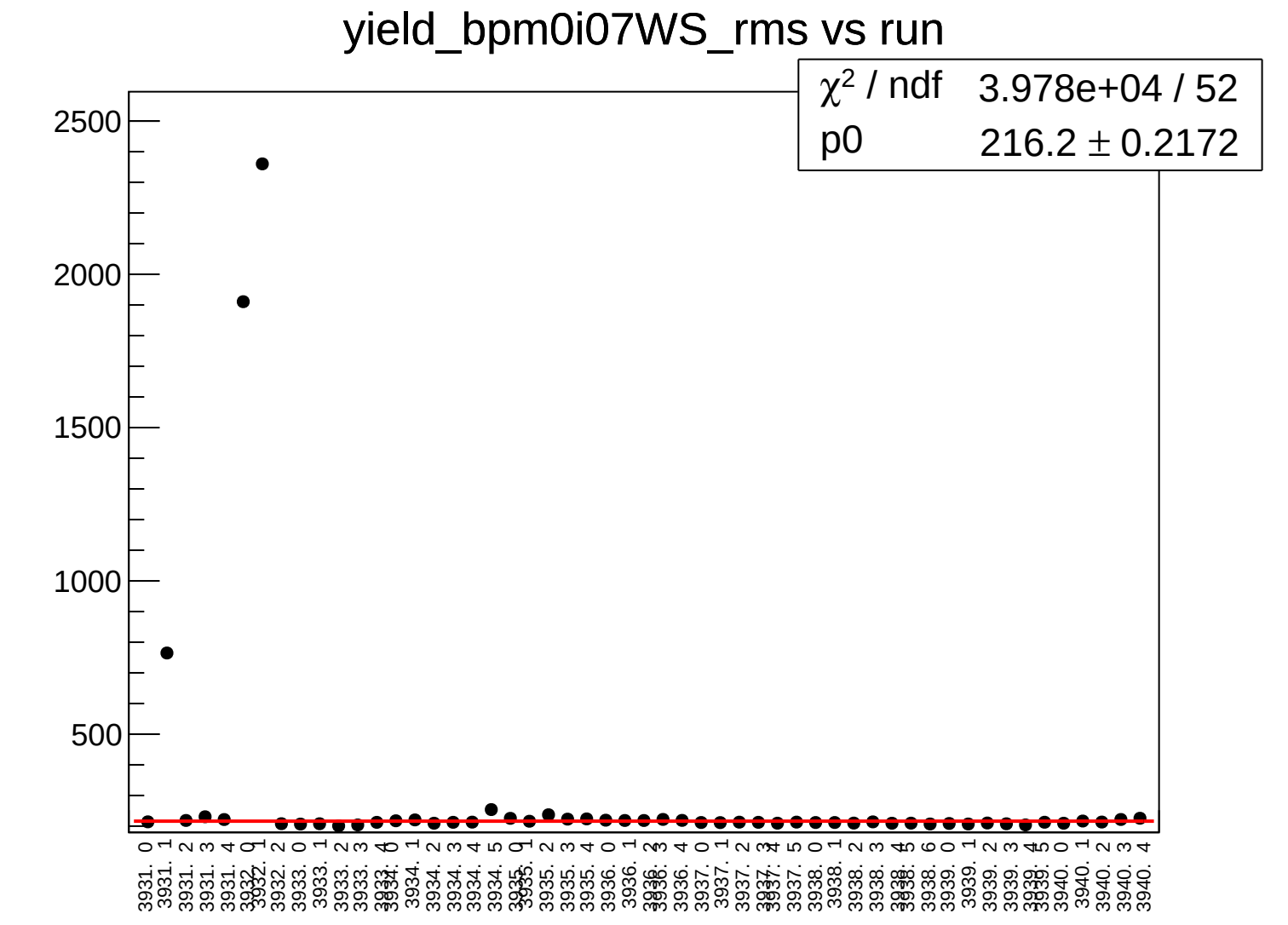

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1.235e+08 / 52
p0 1.076e+05 ± 0.1824
113
112
111
110
109
108
107
106
105
pull
Entries 53
Mean 443.2
Std Dev 427.9
5000
4000
3000
2000
1000
0
−1000
−2000

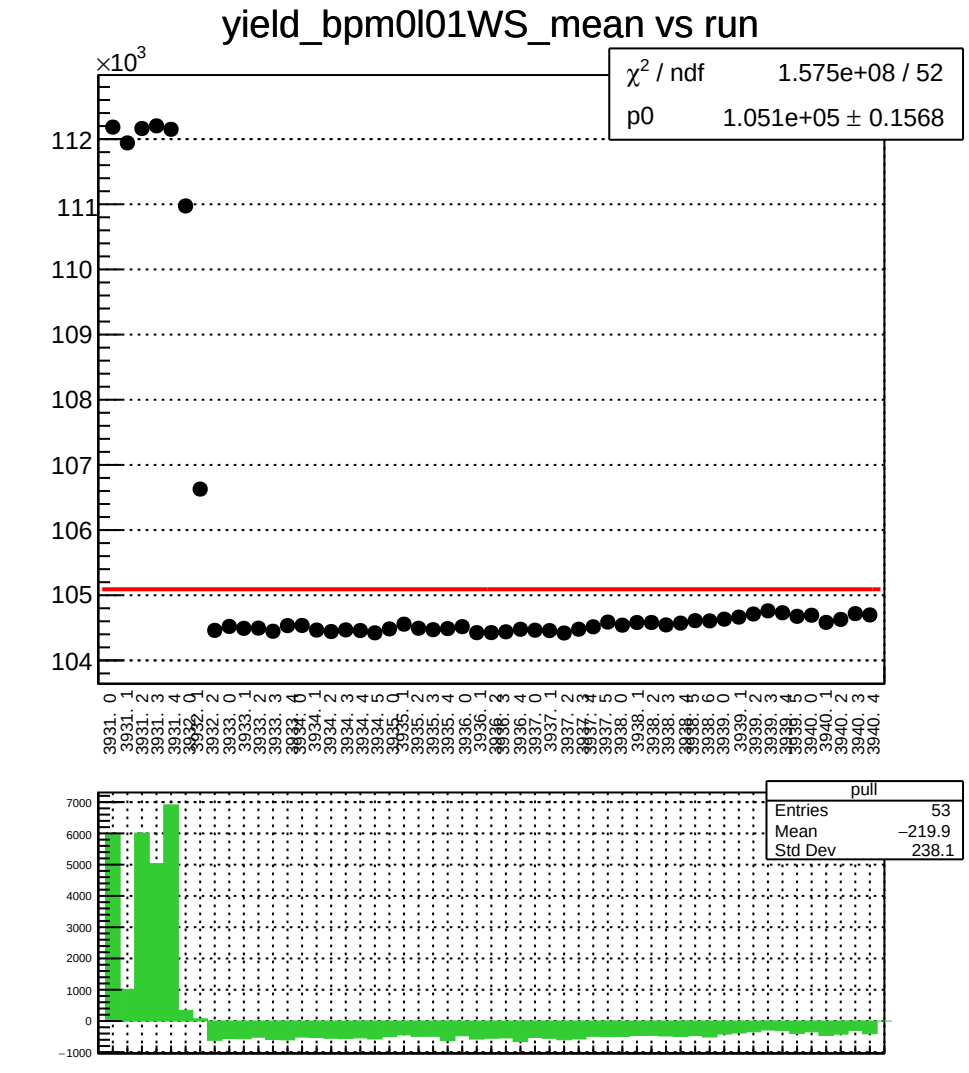

pull1D
Entries 53
Mean −7.606
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

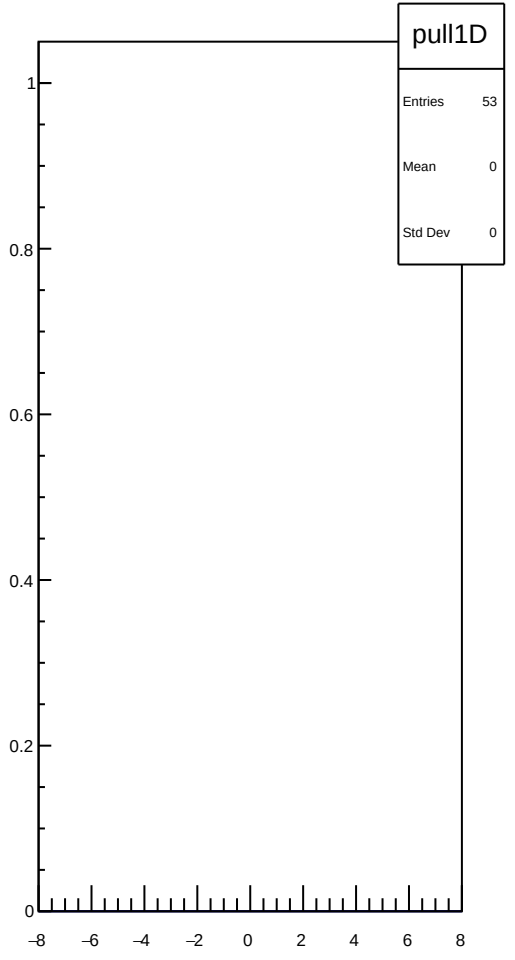

yield_bpm2i01WS_rms vs run
χ^2 / ndf 1.854e+05 / 52
p0 118.6 ± 0.129
2000
1800
1600
1400
1200
1000
800
600
400
200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

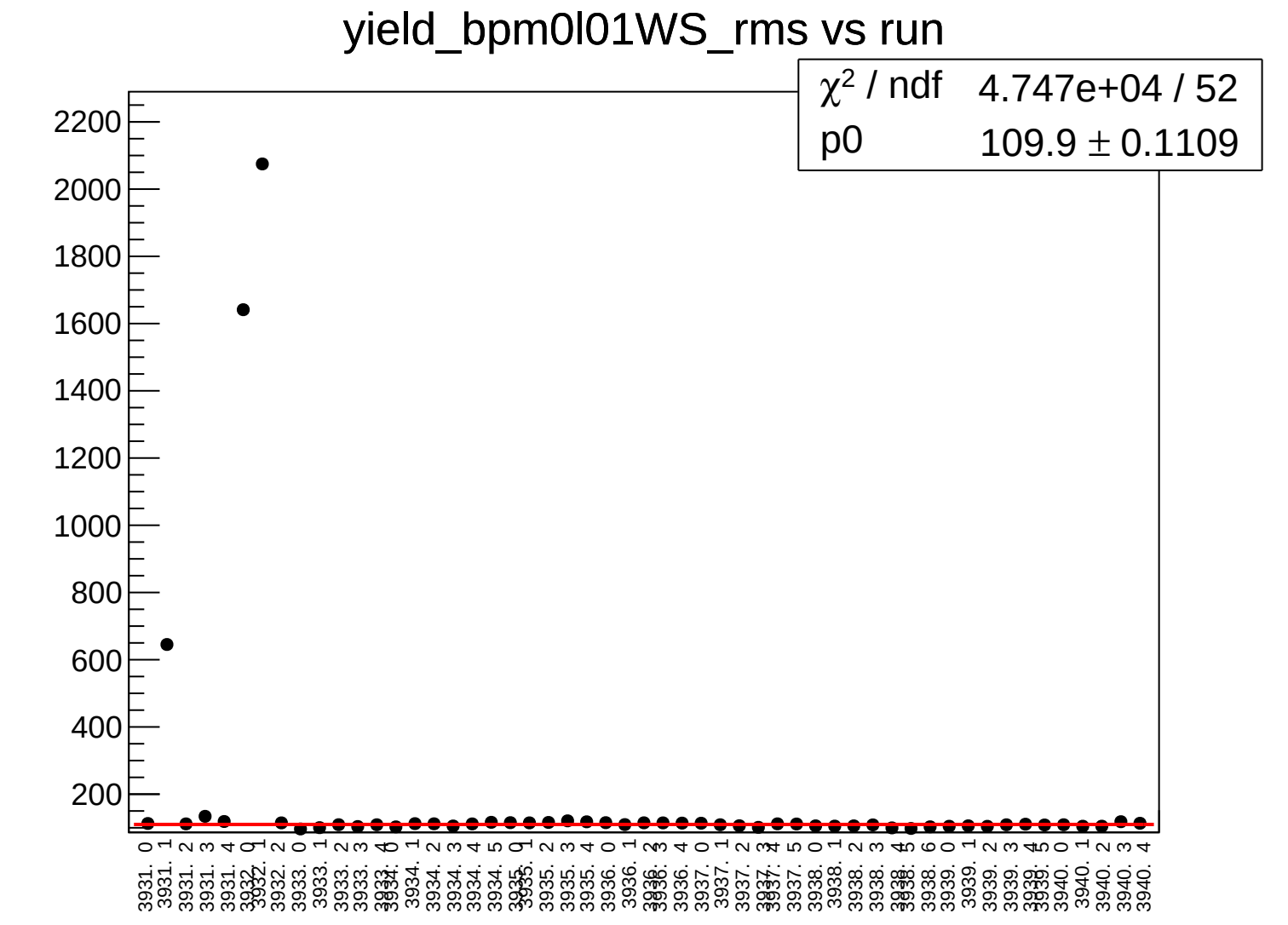

yield_bpm0i07WS_mean vs run
×10^3
χ^2 / ndf 5.88e+07 / 52
p0 1.216e+05 ± 0.3071
130
128
126
124
122
120
pull
Entries 53
Mean −306.8
Std Dev 324.9
4000
3000
2000
1000
0

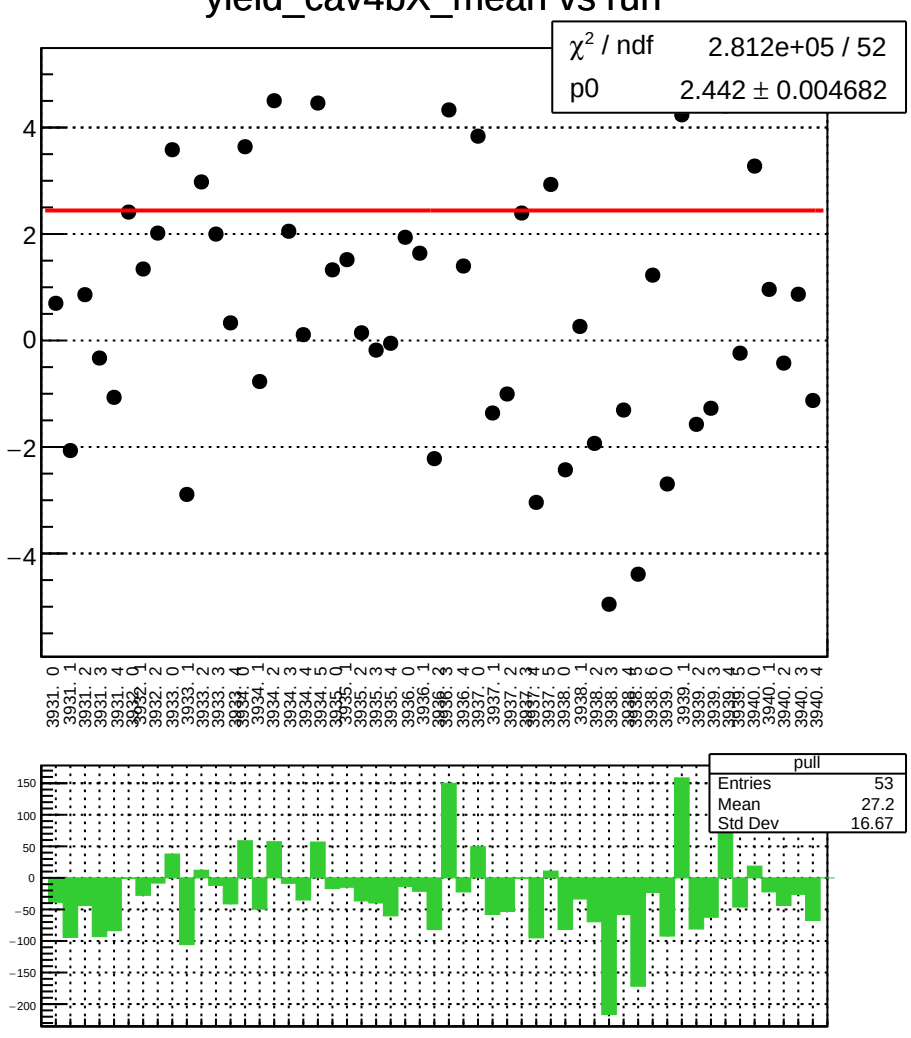

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

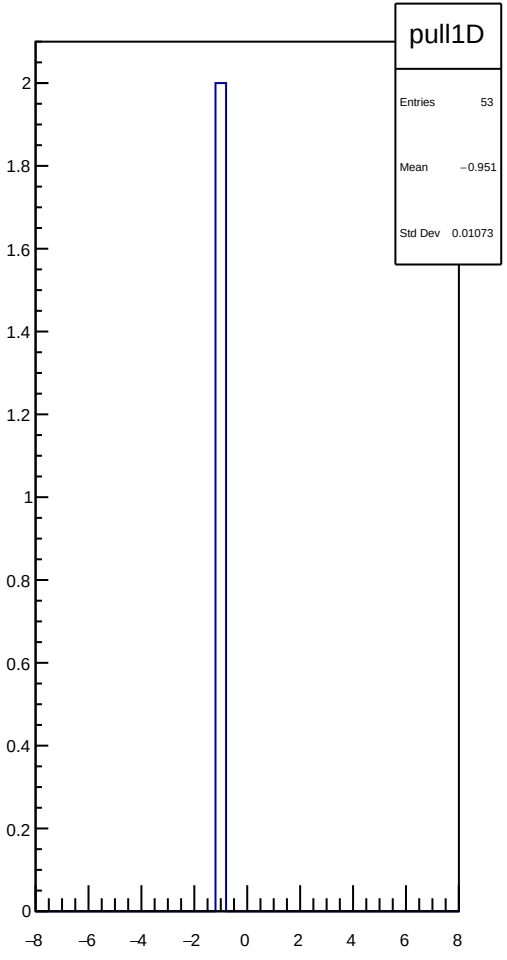

yield_bpm0i07WS_rms vs run
χ² / ndf 3.978e+04 / 52
p0 216.2 ± 0.2172
2500
2000
1500
1000
500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

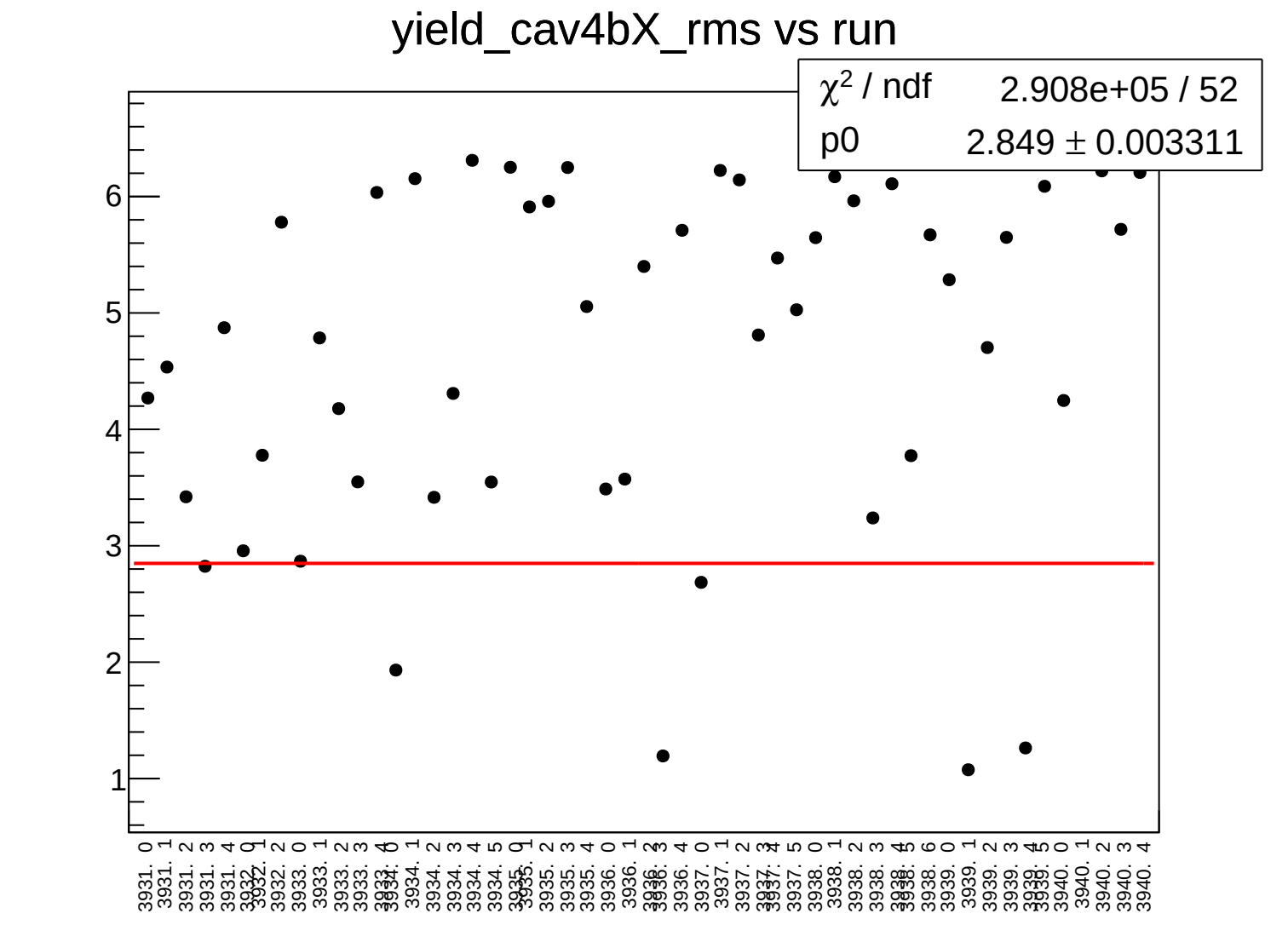

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 1.575e+08 / 52
p0 1.051e+05 ± 0.1568
112
111
110
109
108
107
106
105
104
pull
Entries 53
Mean −219.9
Std Dev 238.1
7000
6000
5000
4000
3000
2000
1000
0
−1000

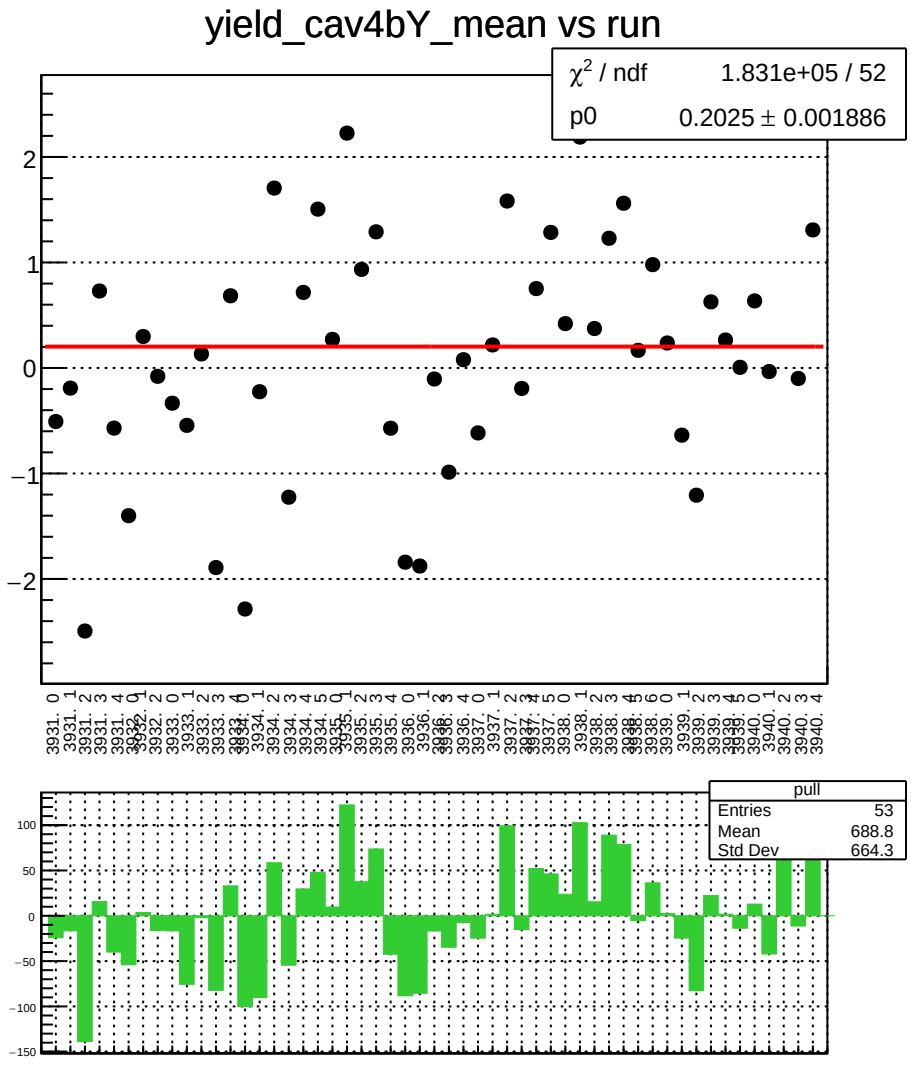

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

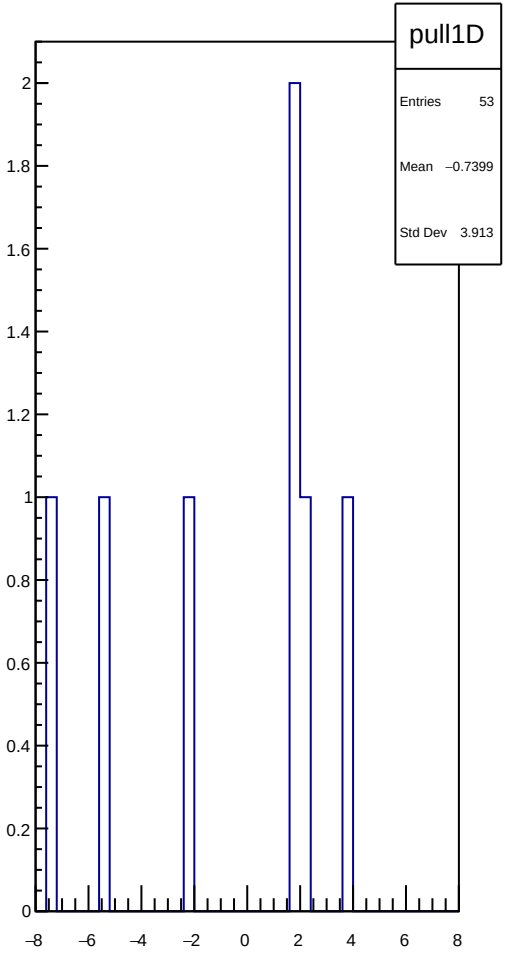

yield_bpm0l01WS_rms vs run
χ² / ndf 4.747e+04 / 52
p0 109.9 ± 0.1109
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

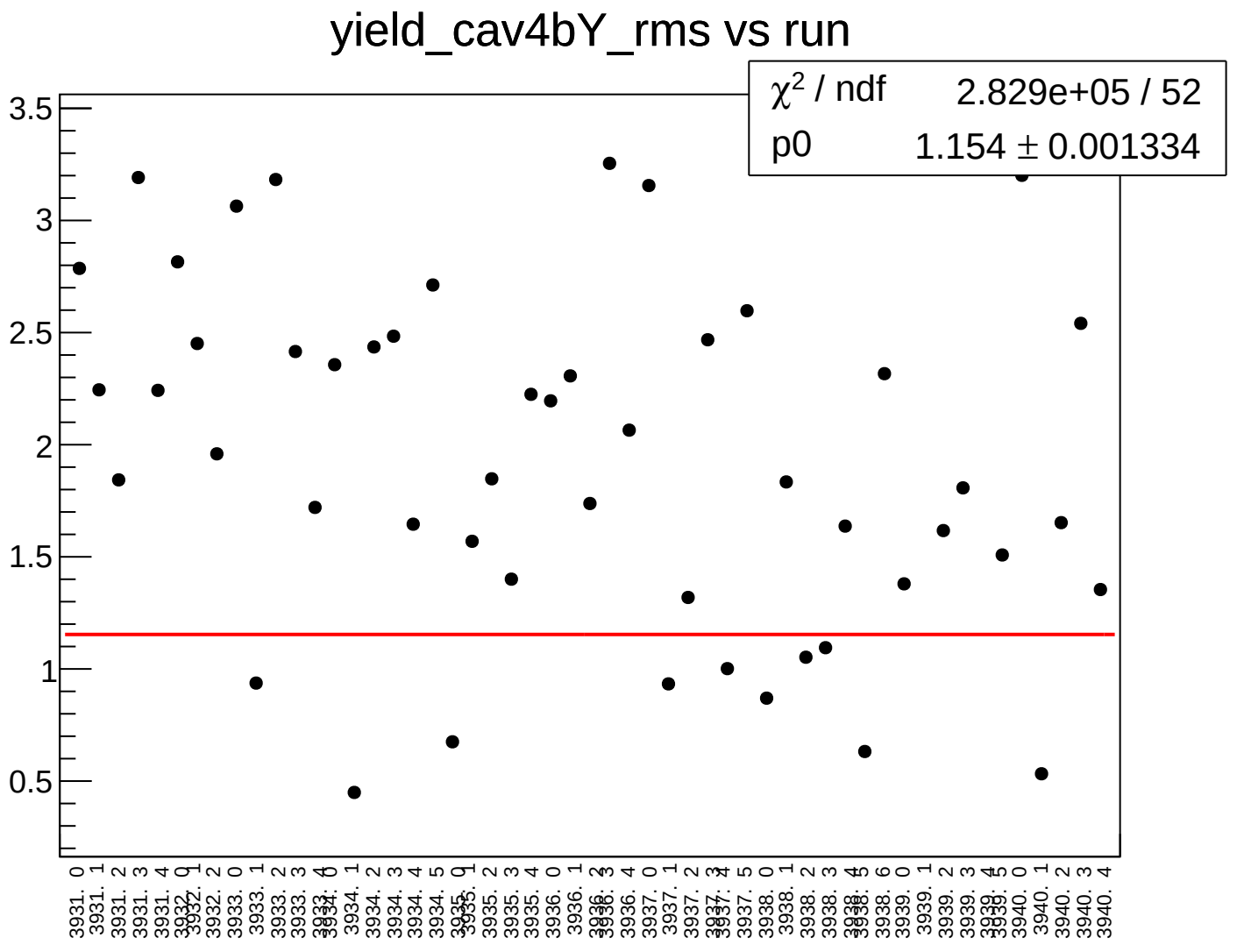

yield_cav4bX_mean vs run
χ² / ndf 2.812e+05 / 52
p0 2.442 ± 0.004682
pull
Entries 53
Mean 27.2
Std Dev 16.67

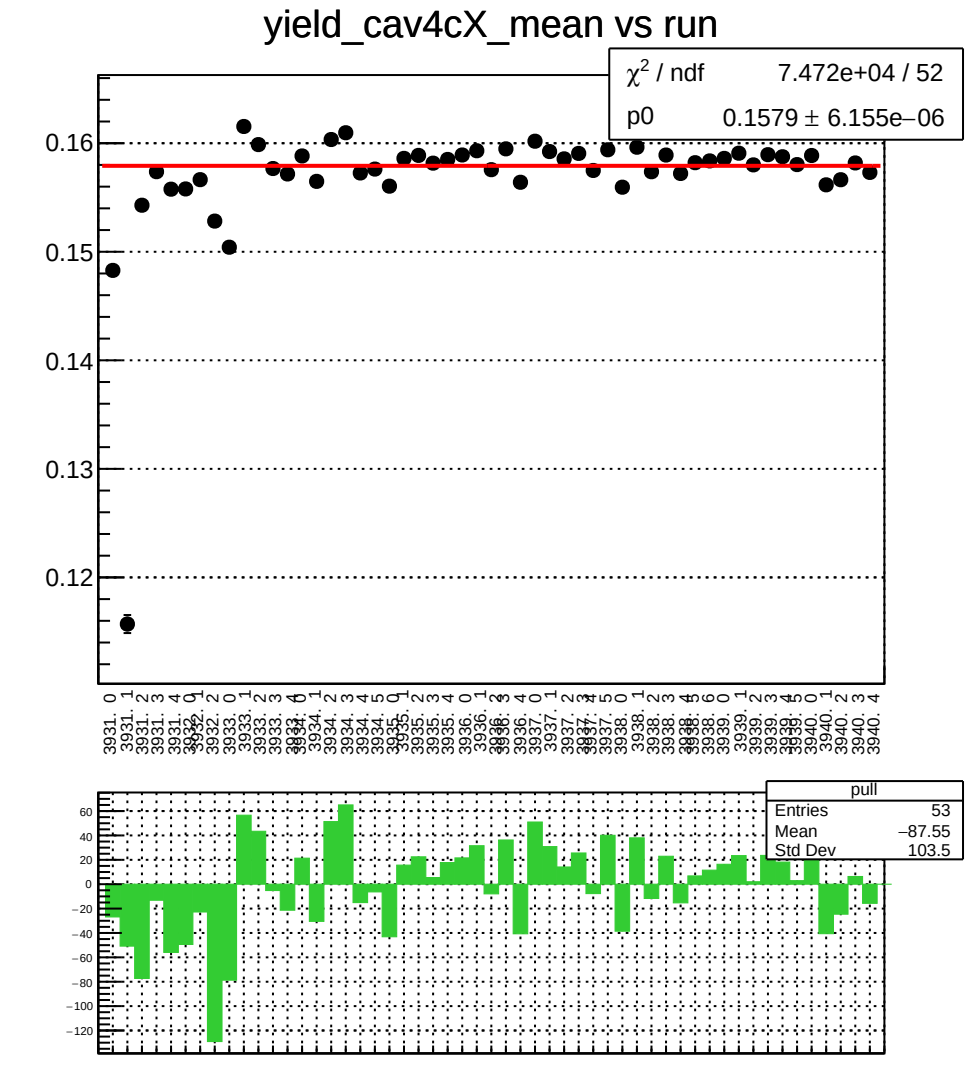

pull1D
Entries 53
Mean −0.951
Std Dev 0.01073

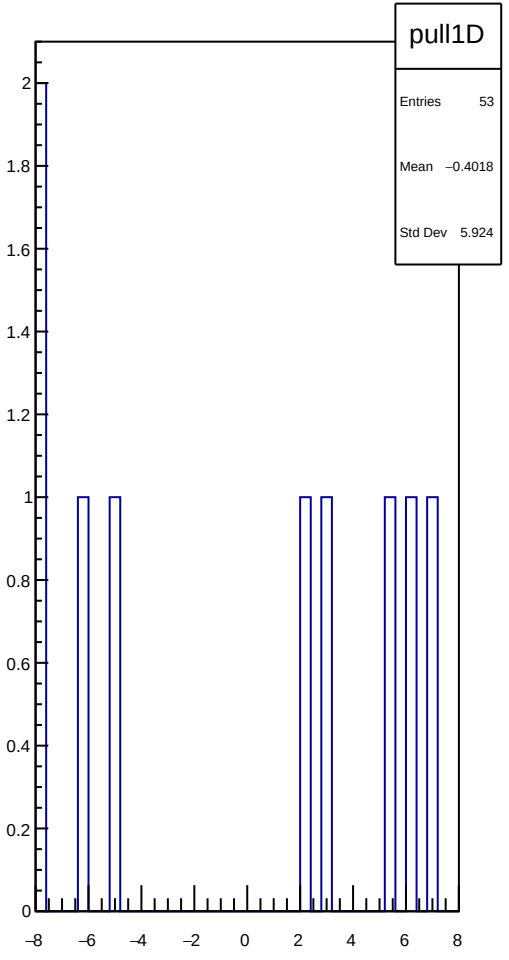

yield_cav4bX_rms vs run
χ² / ndf 2.908e+05 / 52
p0 2.849 ± 0.003311
6
5
4
3
2
1

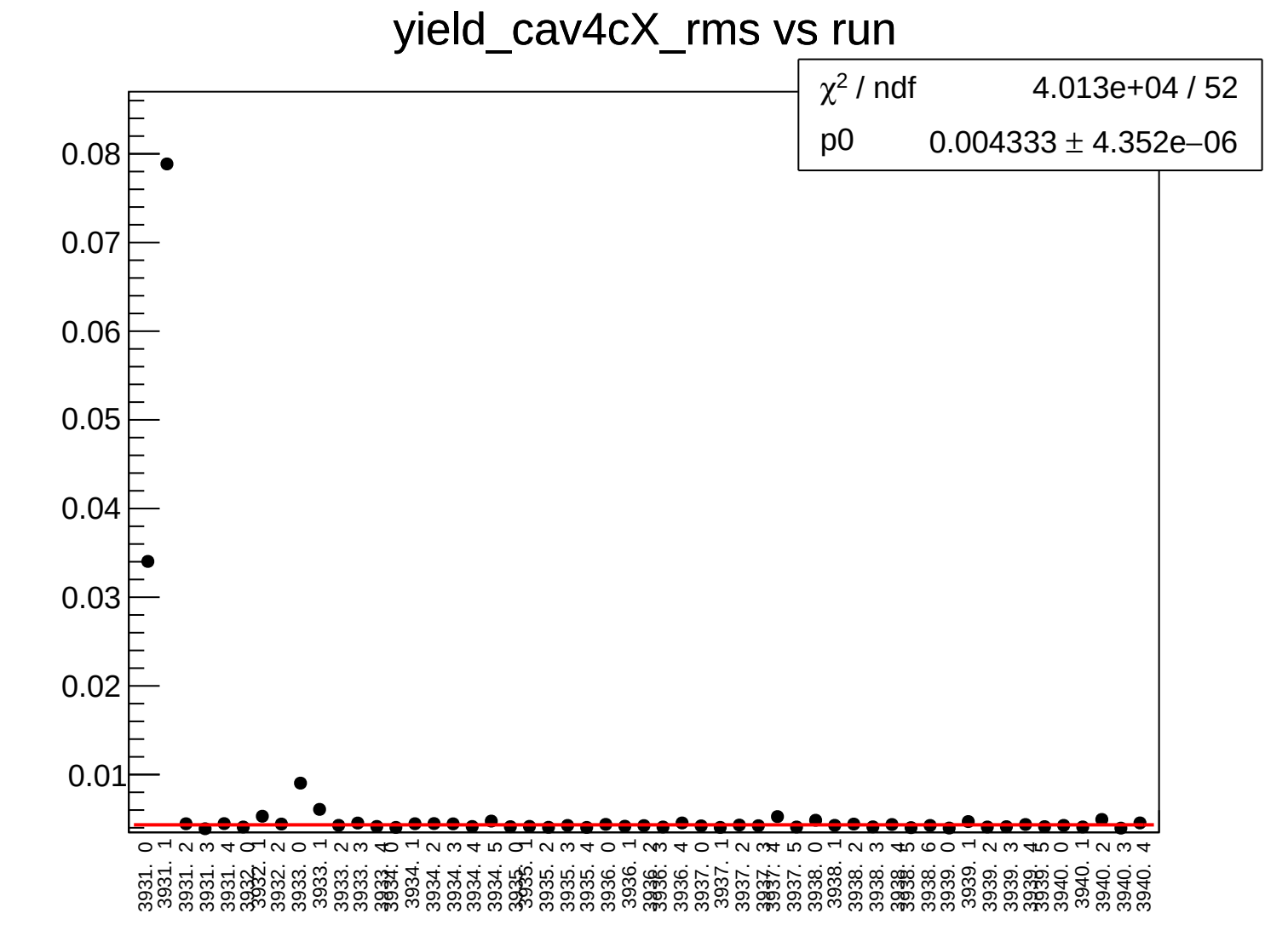

yield_cav4bY_mean vs run
χ² / ndf 1.831e+05 / 52
p0 0.2025 ± 0.001886
pull
Entries 53
Mean 688.8
Std Dev 664.3

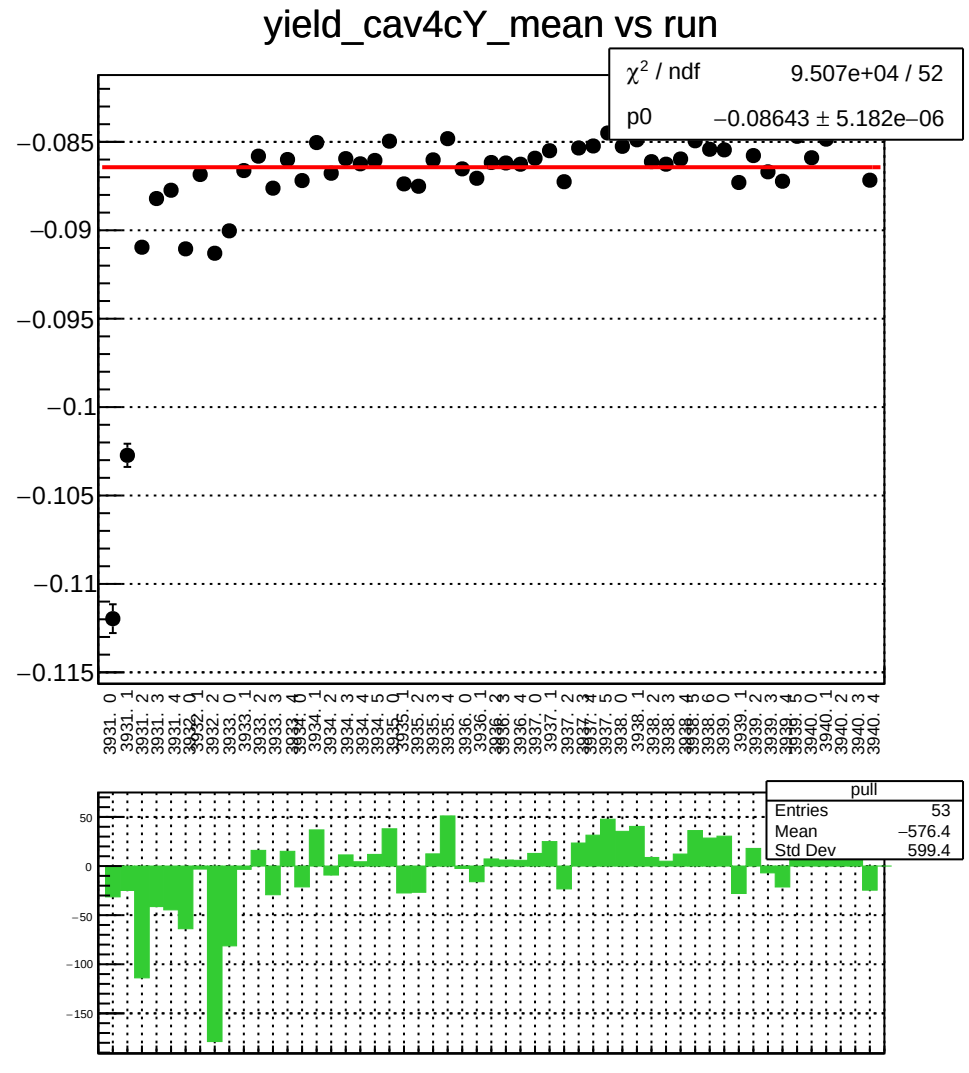

pull1D
Entries 53
Mean −0.7399
Std Dev 3.913

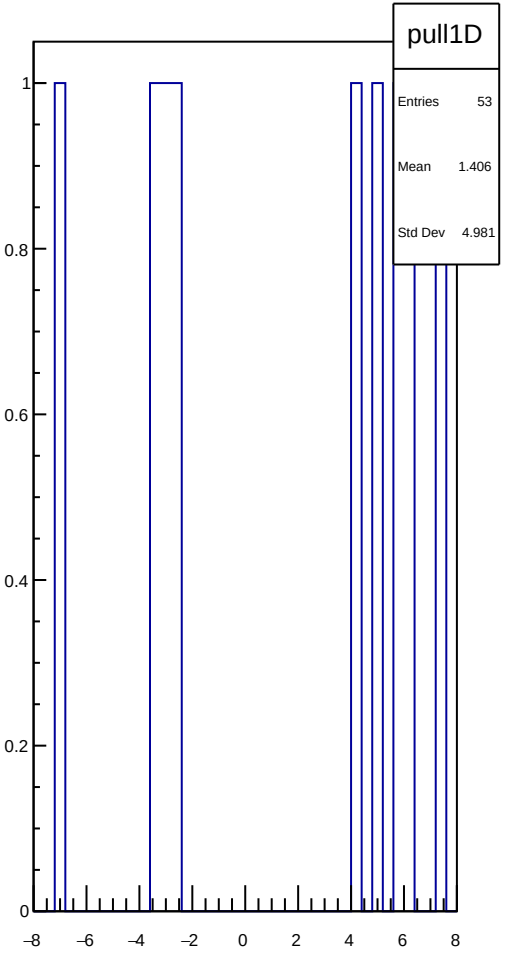

yield_cav4bY_rms vs run
χ² / ndf 2.829e+05 / 52
p0 1.154 ± 0.001334
3.5
3
2.5
2
1.5
1
0.5

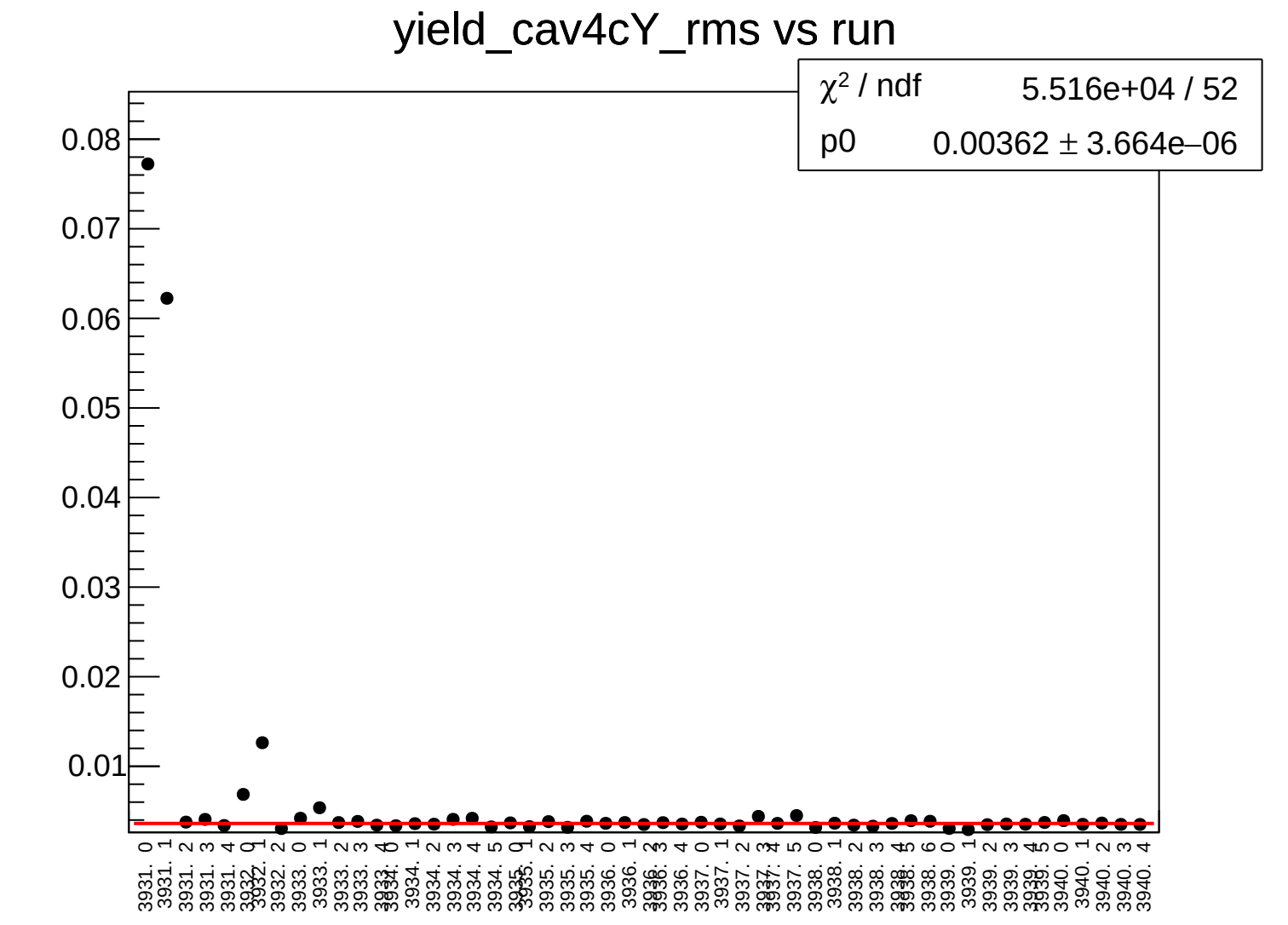

yield_cav4cX_mean vs run
χ² / ndf 7.472e+04 / 52
p0 0.1579 ± 6.155e−06
0.16
0.15
0.14
0.13
0.12
pull
Entries 53
Mean −87.55
Std Dev 103.5
60
40
20
0
−20
−40
−60
−80
−100
−120

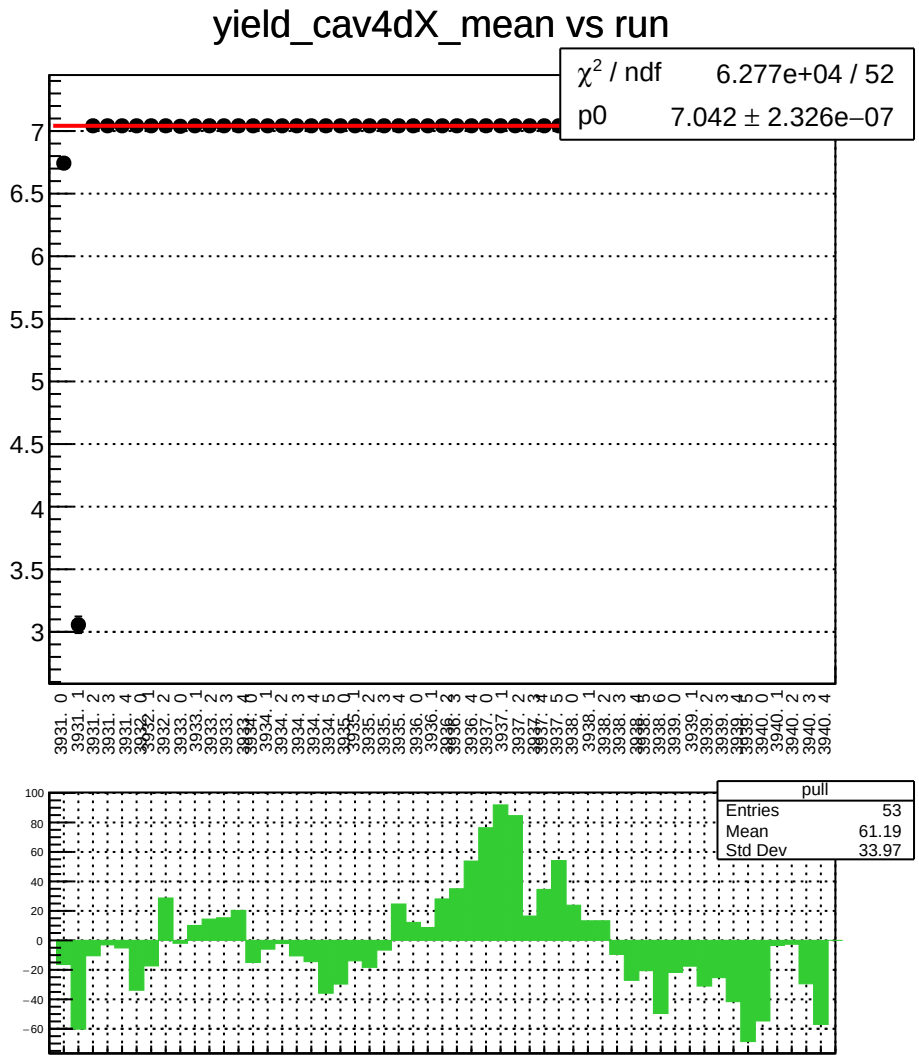

pull1D
Entries 53
Mean −0.4018
Std Dev 5.924
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

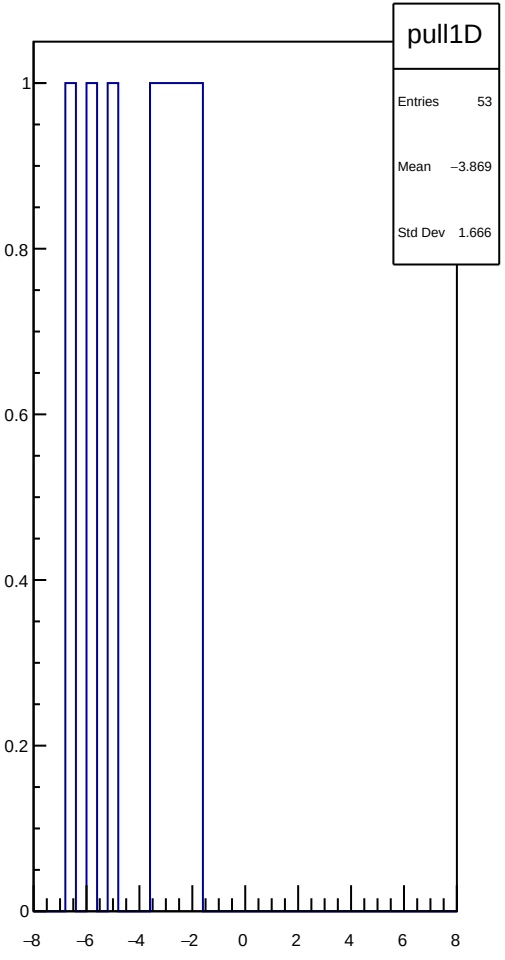

yield_cav4cX_rms vs run
χ^2 / ndf 4.013e+04 / 52
p0 0.004333 ± 4.352e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

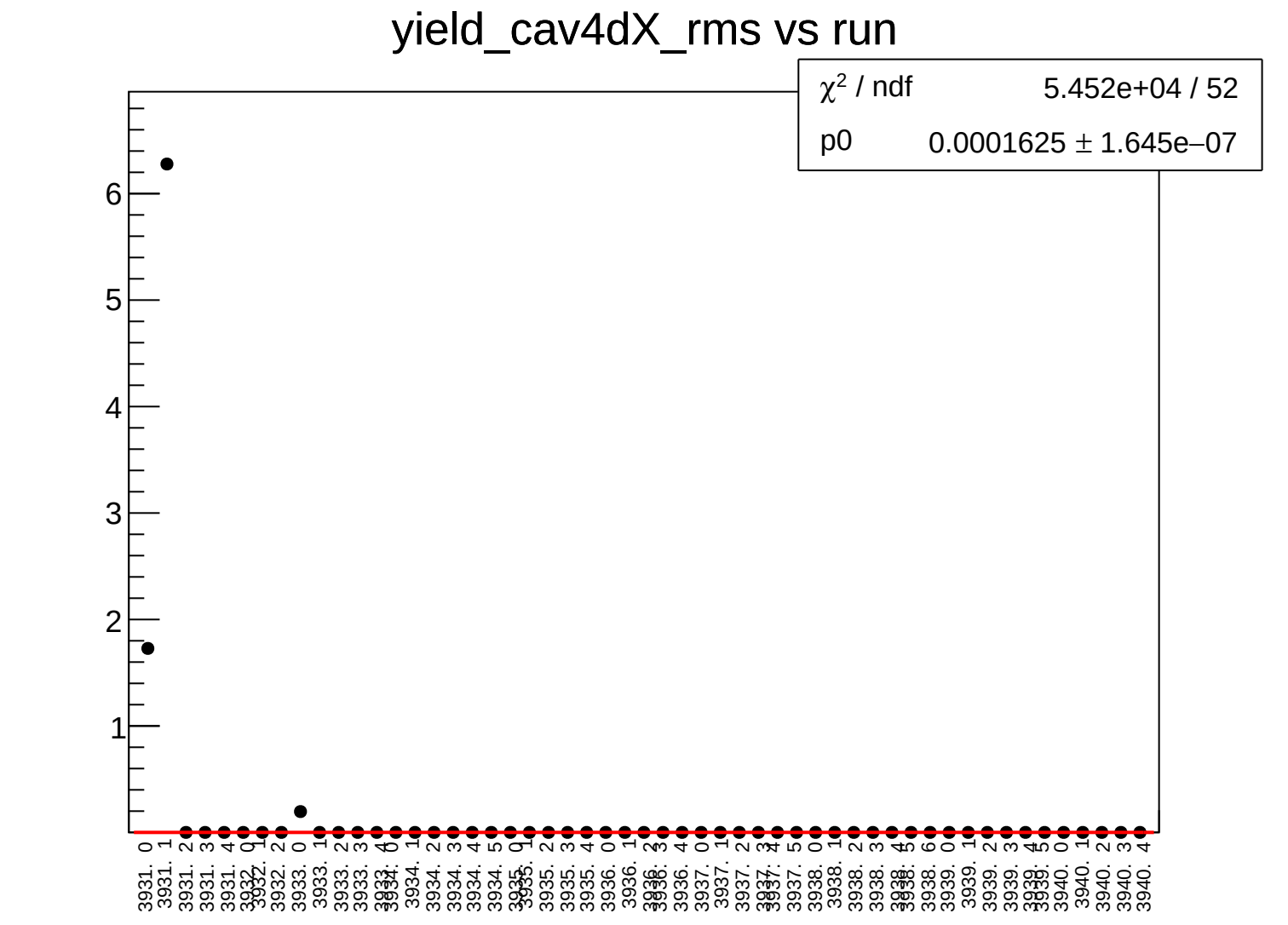

yield_cav4cY_mean vs run
χ² / ndf 9.507e+04 / 52
p0 −0.08643 ± 5.182e−06
−0.085
−0.09
−0.095
−0.1
−0.105
−0.11
−0.115
pull
Entries 53
Mean −576.4
Std Dev 599.4
50
0
−50
−100
−150

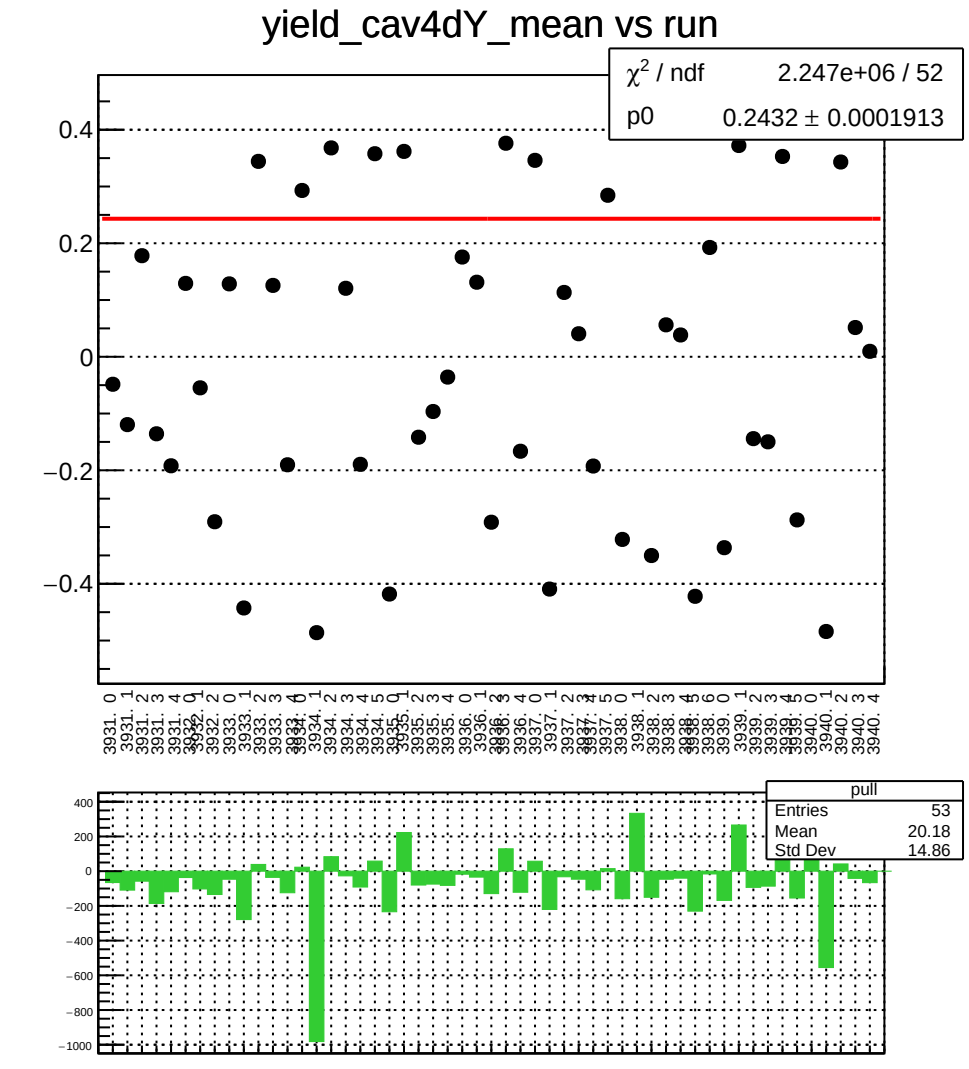

pull1D
Entries 53
Mean 1.406
Std Dev 4.981
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

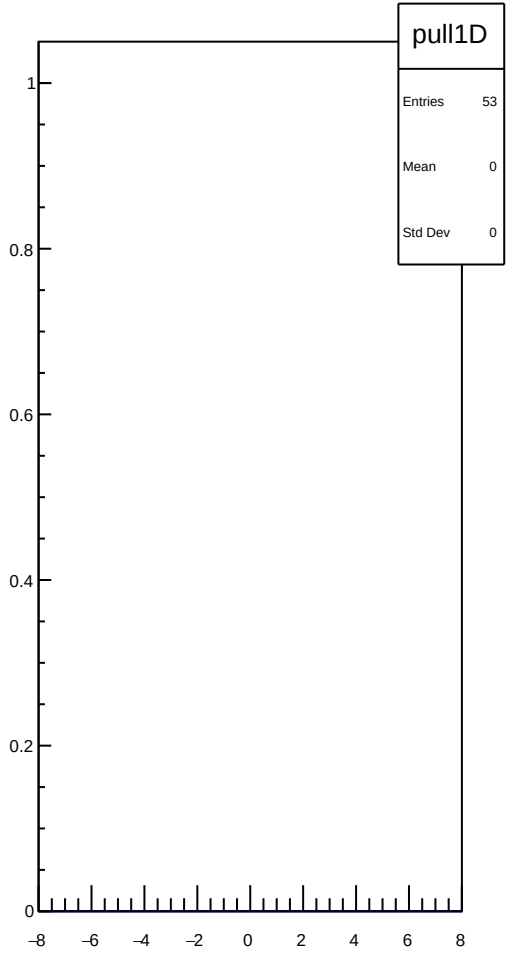

yield_cav4cY_rms vs run
χ² / ndf 5.516e+04 / 52
p0 0.00362 ± 3.664e–06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

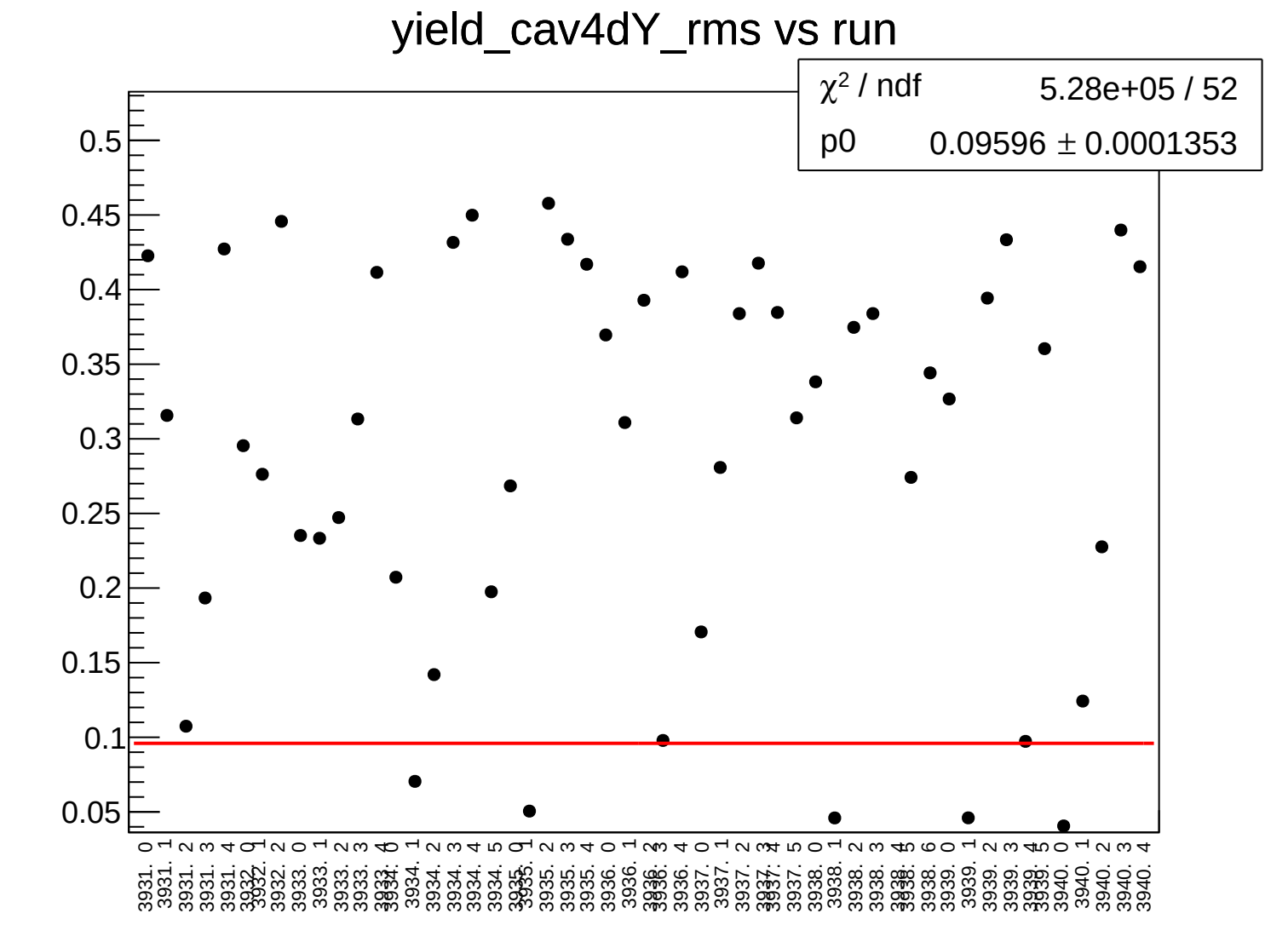

yield_cav4dX_mean vs run
χ² / ndf 6.277e+04 / 52
p0 7.042 ± 2.326e−07
pull
Entries 53
Mean 61.19
Std Dev 33.97

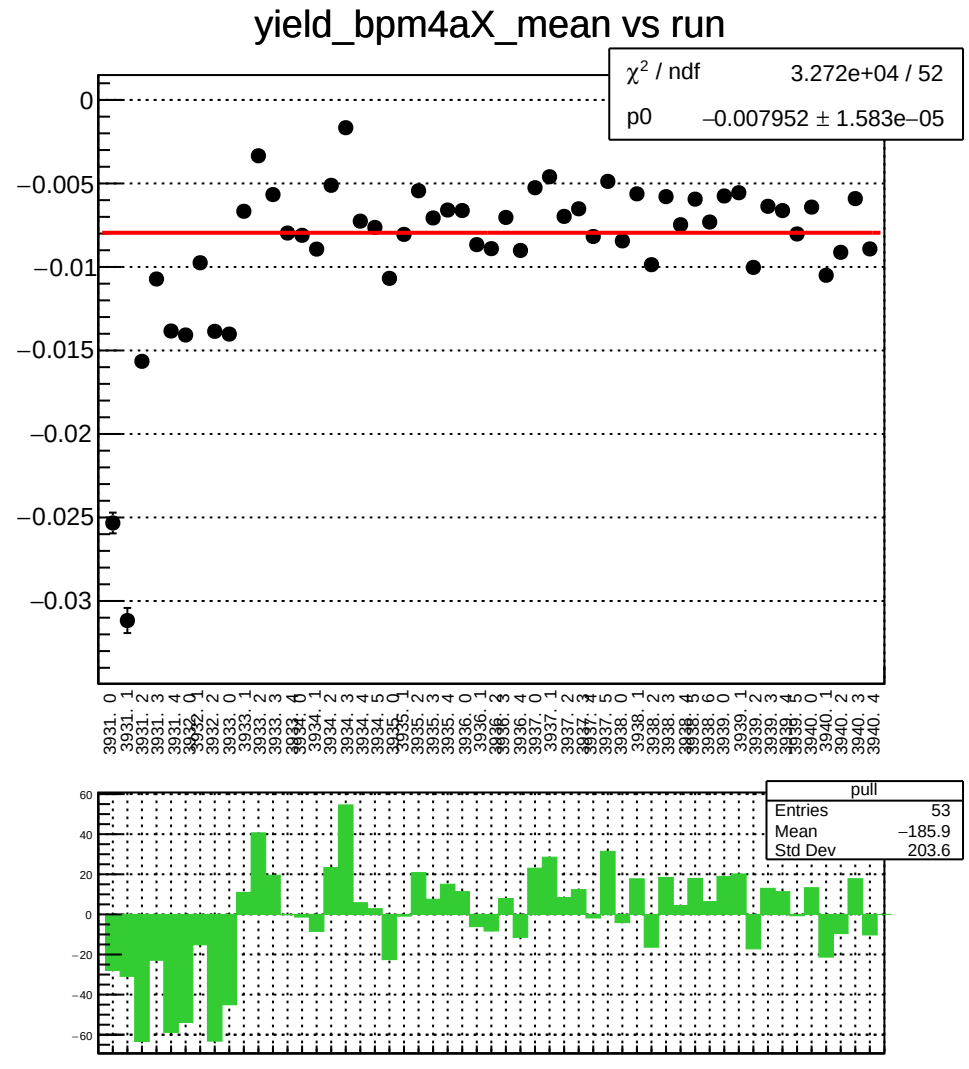

pull1D
Entries 53
Mean −3.869
Std Dev 1.666

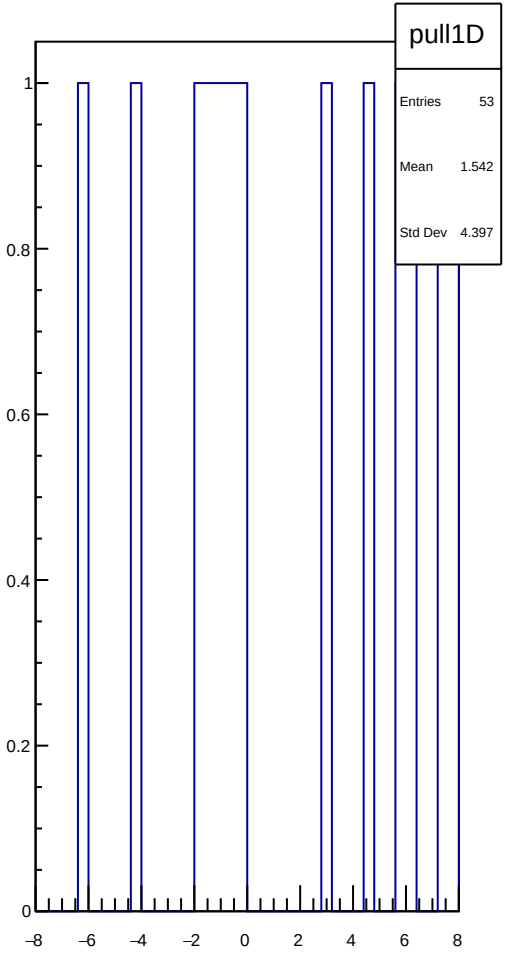

yield_cav4dX_rms vs run
χ² / ndf 5.452e+04 / 52
p0 0.0001625 ± 1.645e−07
6
5
4
3
2
1
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

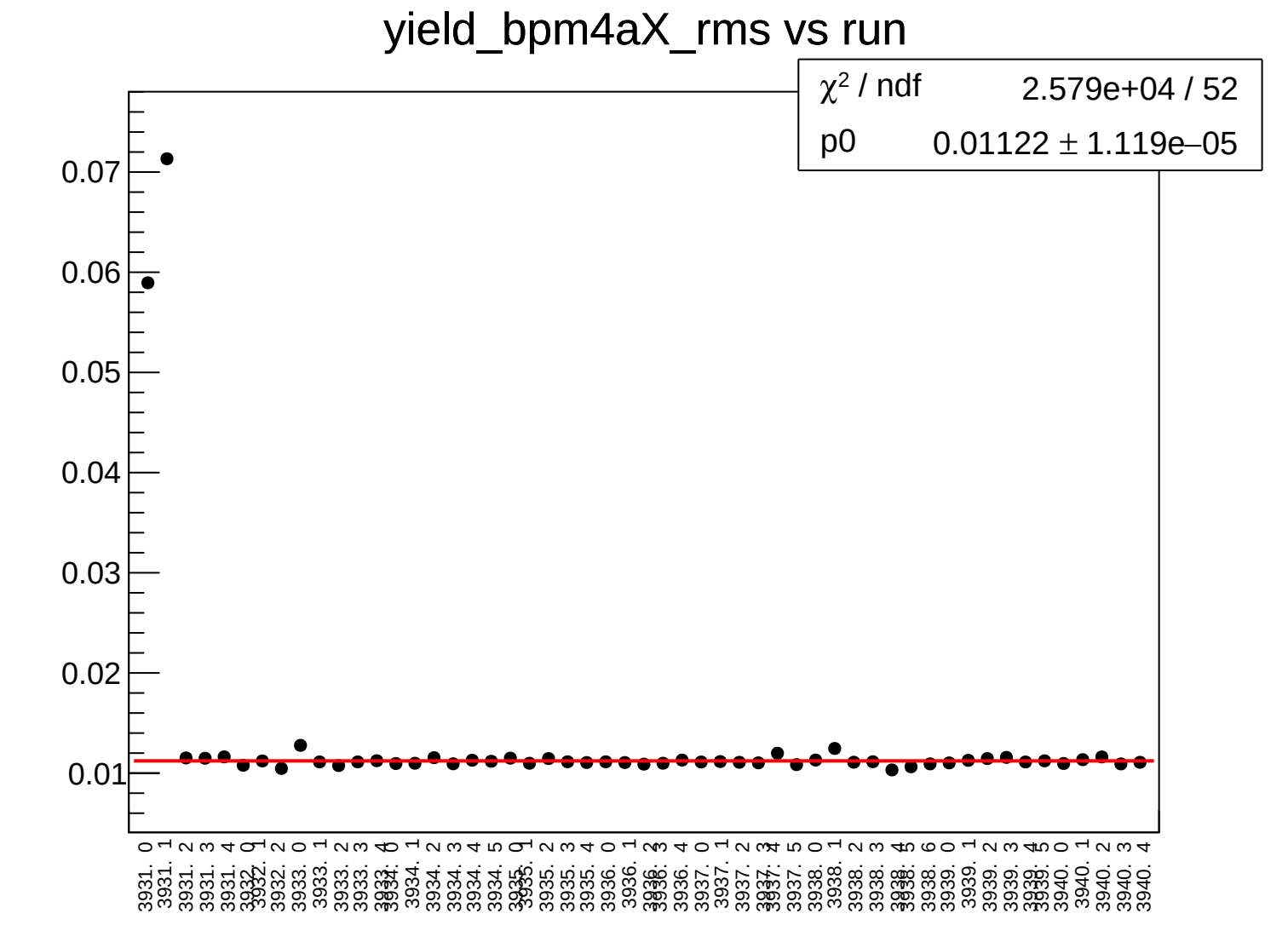

yield_cav4dY_mean vs run
χ² / ndf 2.247e+06 / 52
p0 0.2432 ± 0.0001913
pull
Entries 53
Mean 20.18
Std Dev 14.86

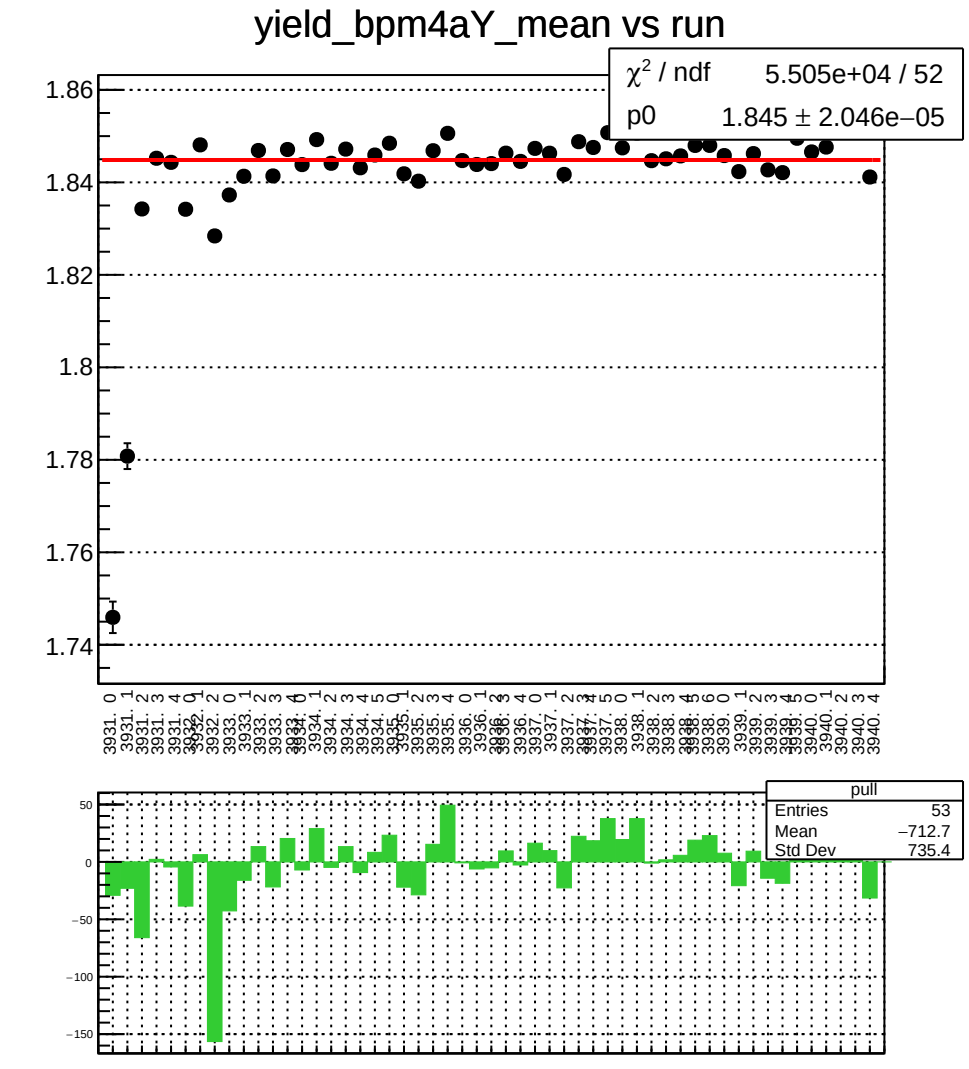

pull1D
Entries 53
Mean 0
Std Dev 0

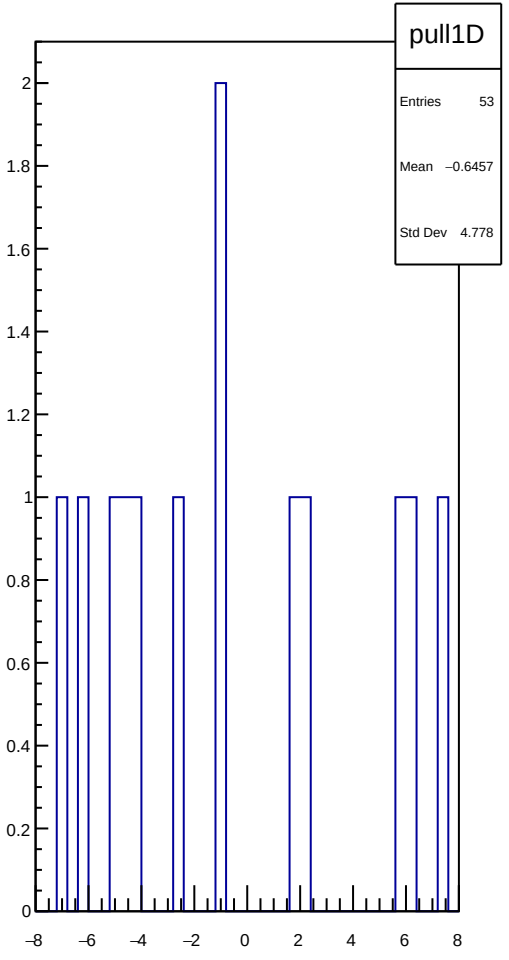

yield_cav4dY_rms vs run
χ² / ndf 5.28e+05 / 52
p0 0.09596 ± 0.0001353
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

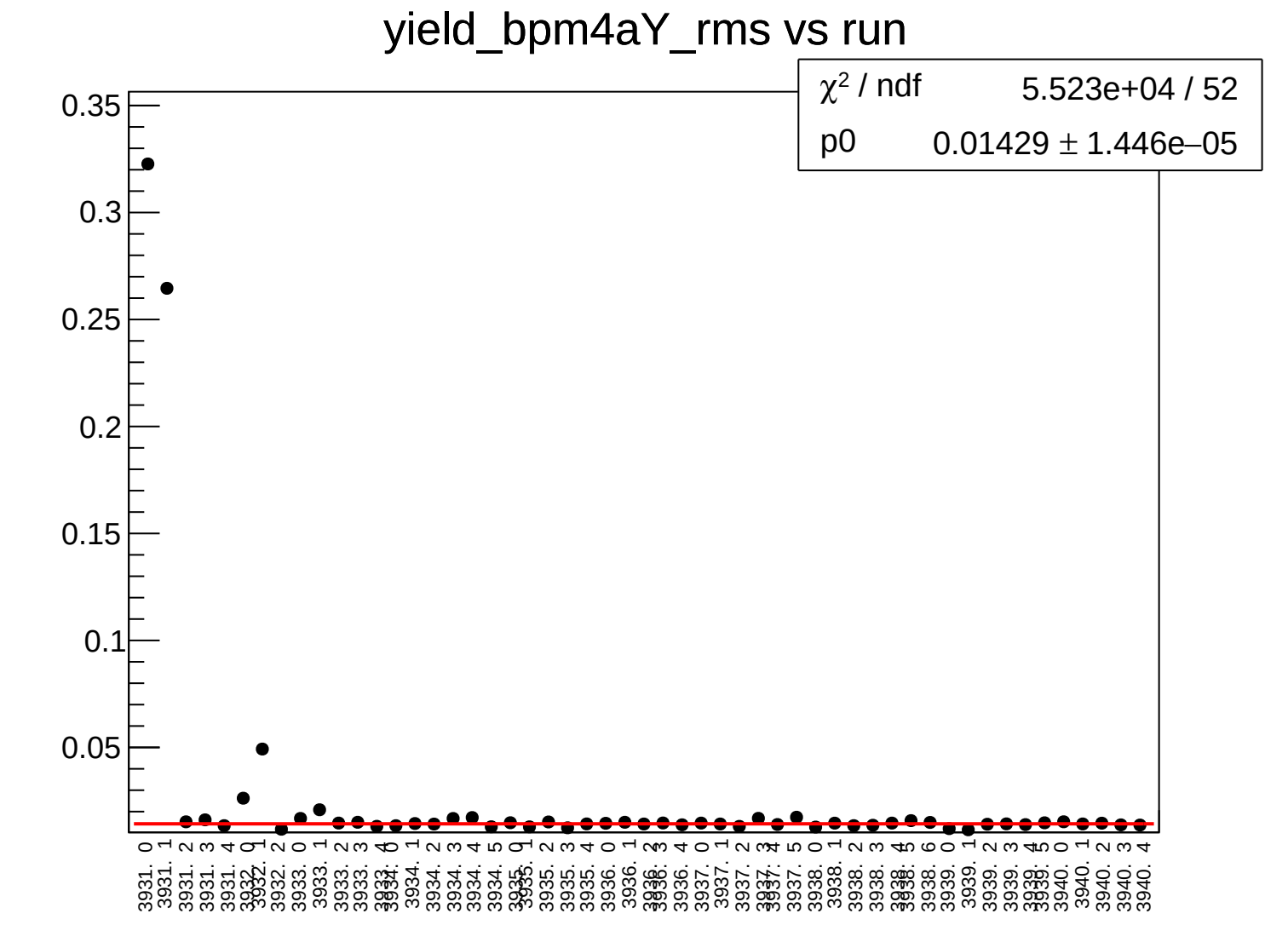

yield_bpm4aX_mean vs run
χ² / ndf 3.272e+04 / 52
p0 −0.007952 ± 1.583e−05
0
−0.005
−0.01
−0.015
−0.02
−0.025
−0.03
pull
Entries 53
Mean −185.9
Std Dev 203.6
60
40
20
0
−20
−40
−60

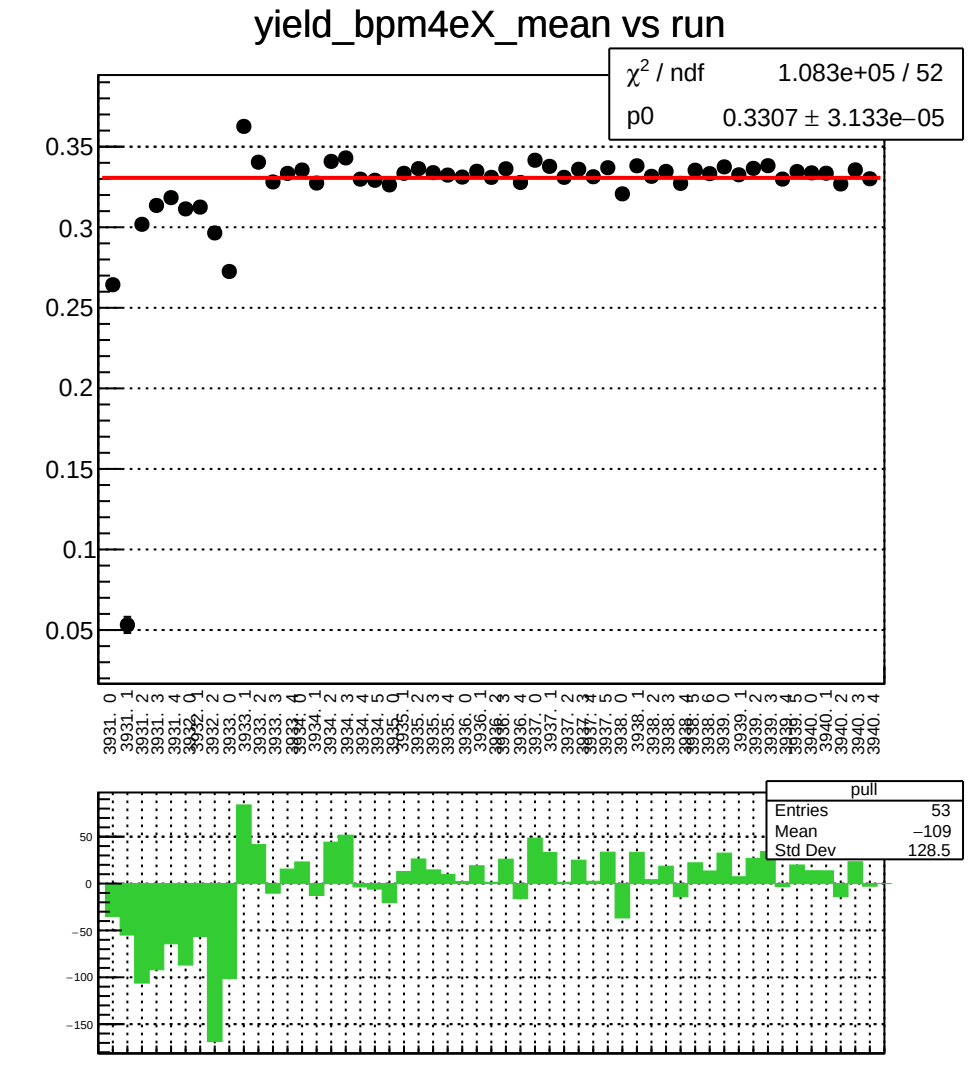

pull1D
Entries 53
Mean 1.542
Std Dev 4.397
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

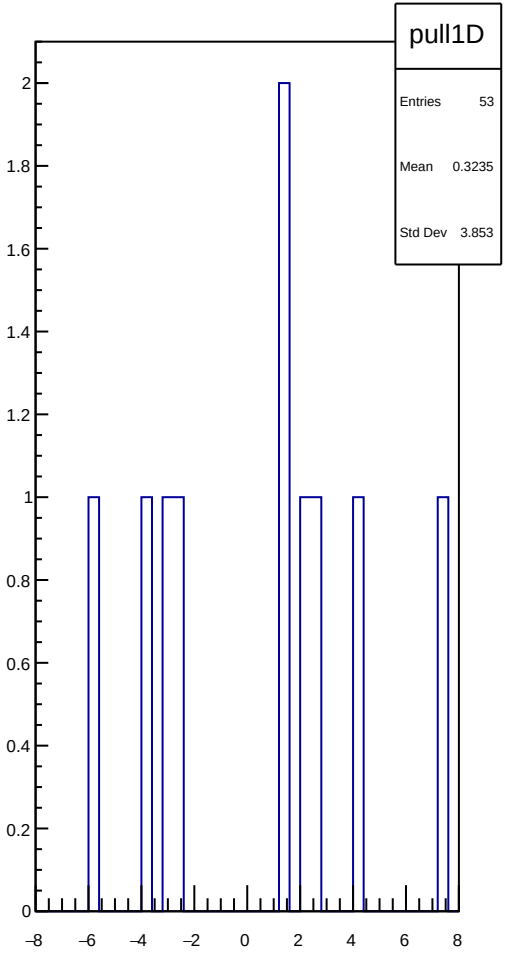

yield_bpm4aX_rms vs run
χ² / ndf 2.579e+04 / 52
p0 0.01122 ± 1.119e–05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

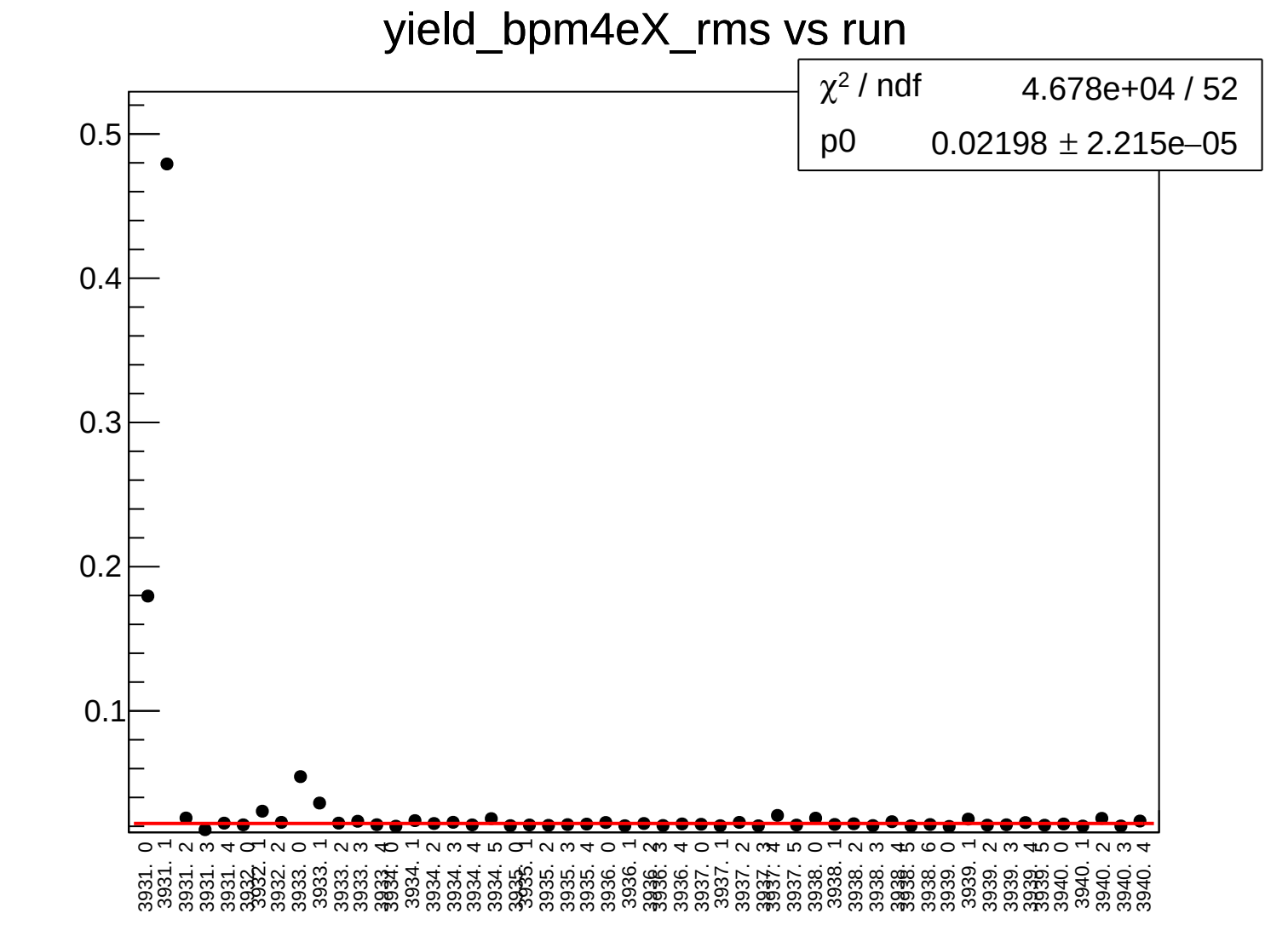

yield_bpm4aY_mean vs run
χ² / ndf 5.505e+04 / 52
p0 1.845 ± 2.046e−05
1.86
1.84
1.82
1.8
1.78
1.76
1.74
pull
Entries 53
Mean −712.7
Std Dev 735.4
50
0
−50
−100
−150

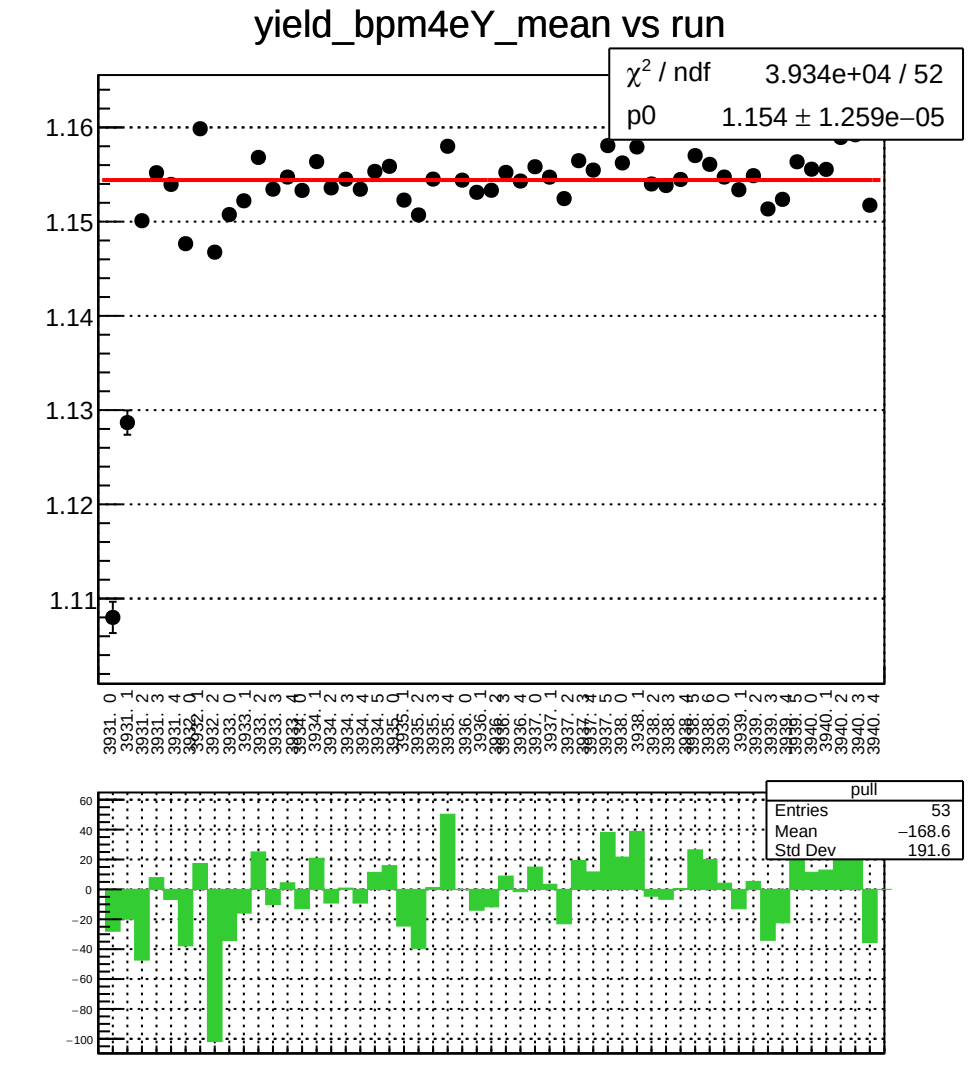

pull1D
Entries 53
Mean −0.6457
Std Dev 4.778
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

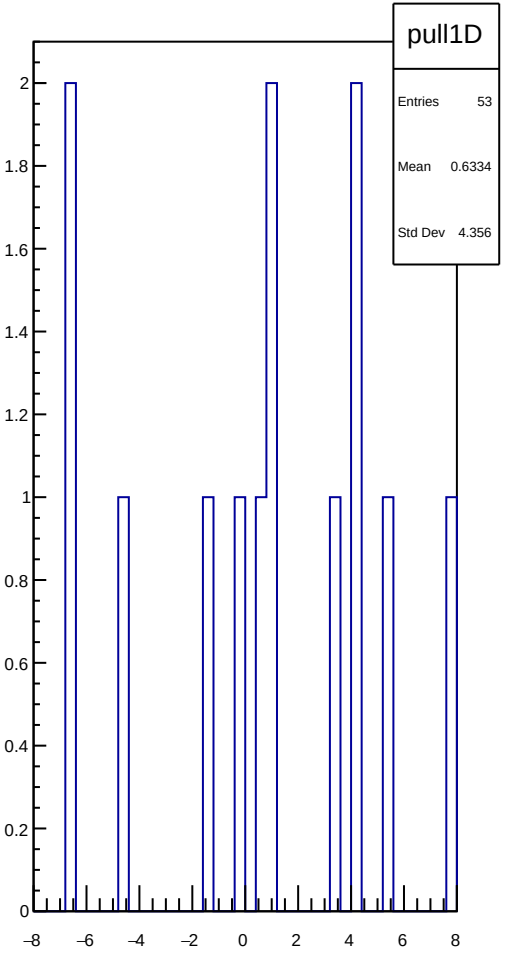

yield_bpm4aY_rms vs run
χ² / ndf 5.523e+04 / 52
p0 0.01429 ± 1.446e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

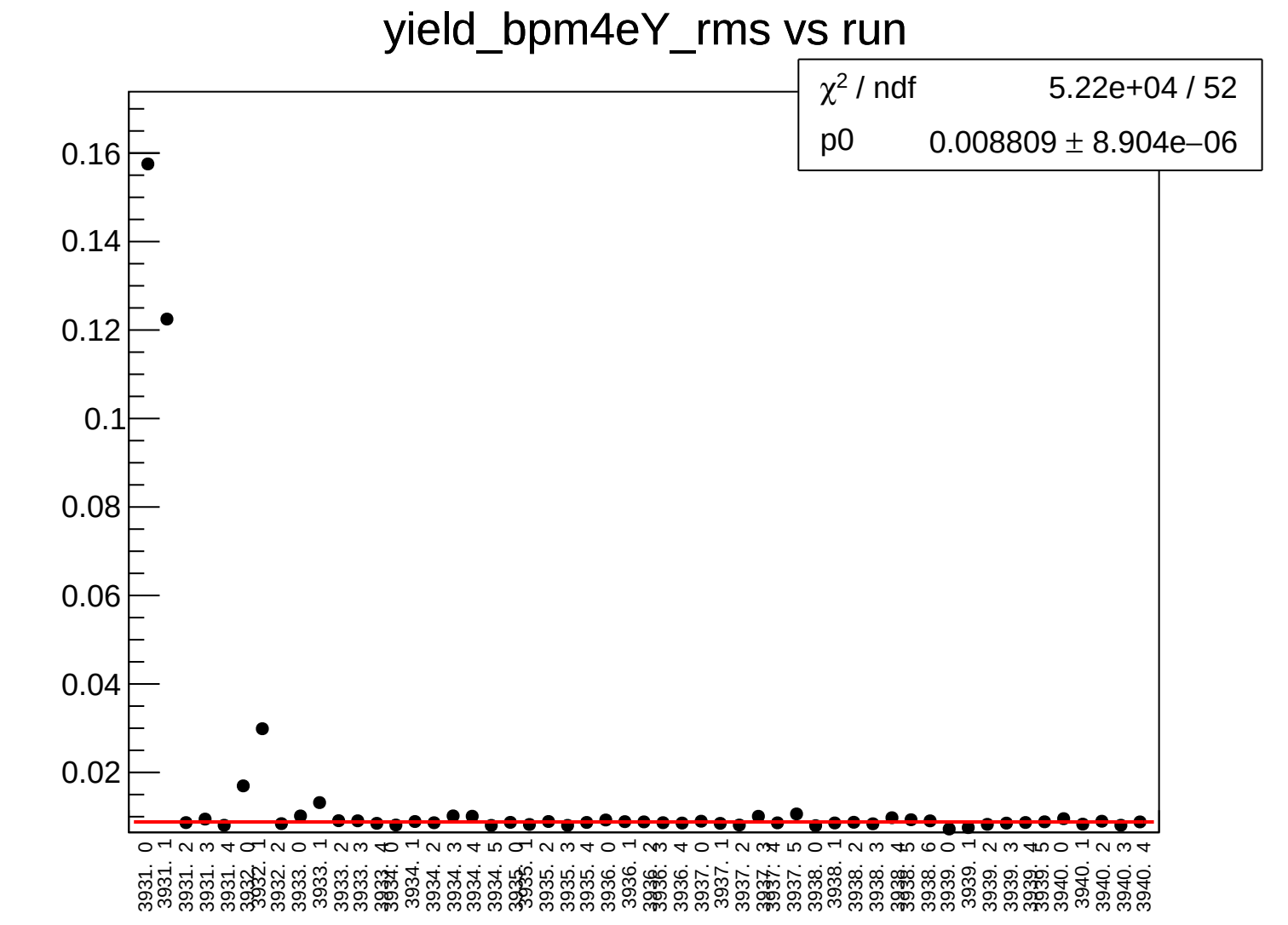

yield_bpm4eX_mean vs run
χ² / ndf 1.083e+05 / 52
p0 0.3307 ± 3.133e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
pull
Entries 53
Mean −109
Std Dev 128.5
50
0
−50
−100
−150

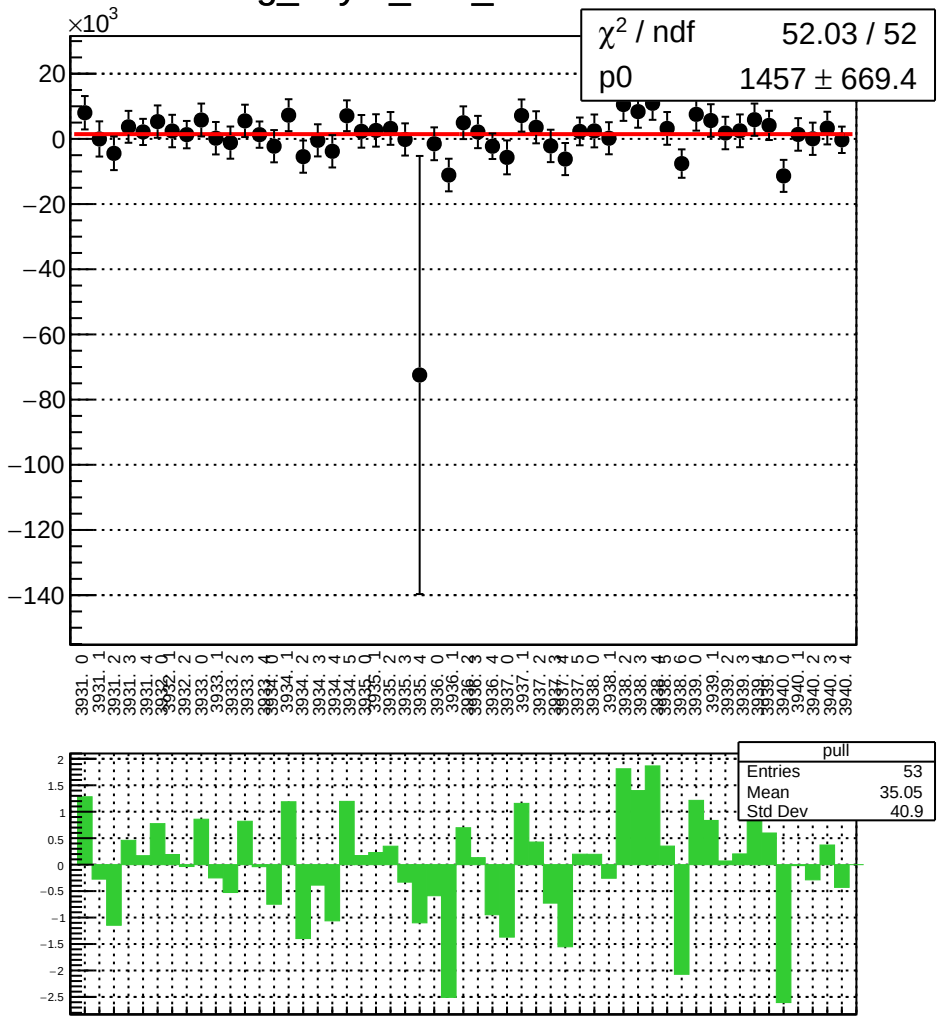

pull1D
Entries 53
Mean 0.3235
Std Dev 3.853
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

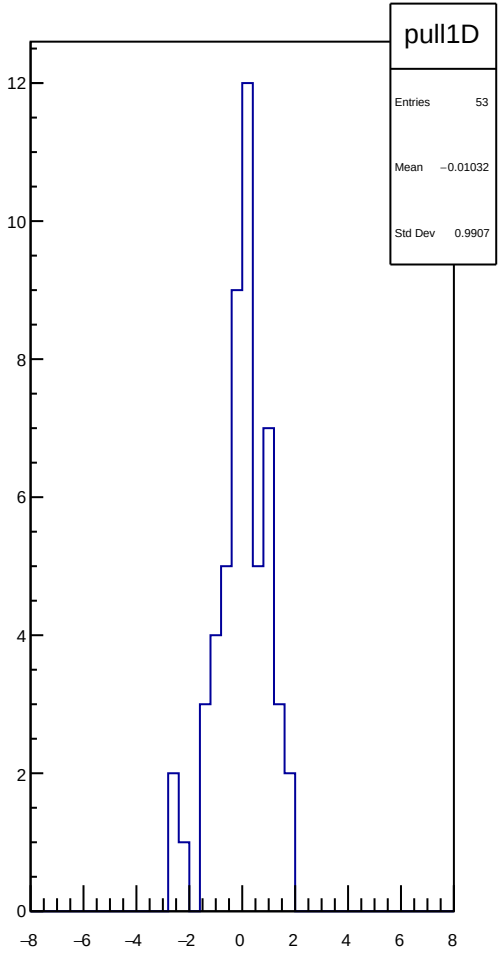

yield_bpm4eX_rms vs run
χ² / ndf 4.678e+04 / 52
p0 0.02198 ± 2.215e–05
0.5
0.4
0.3
0.2
0.1

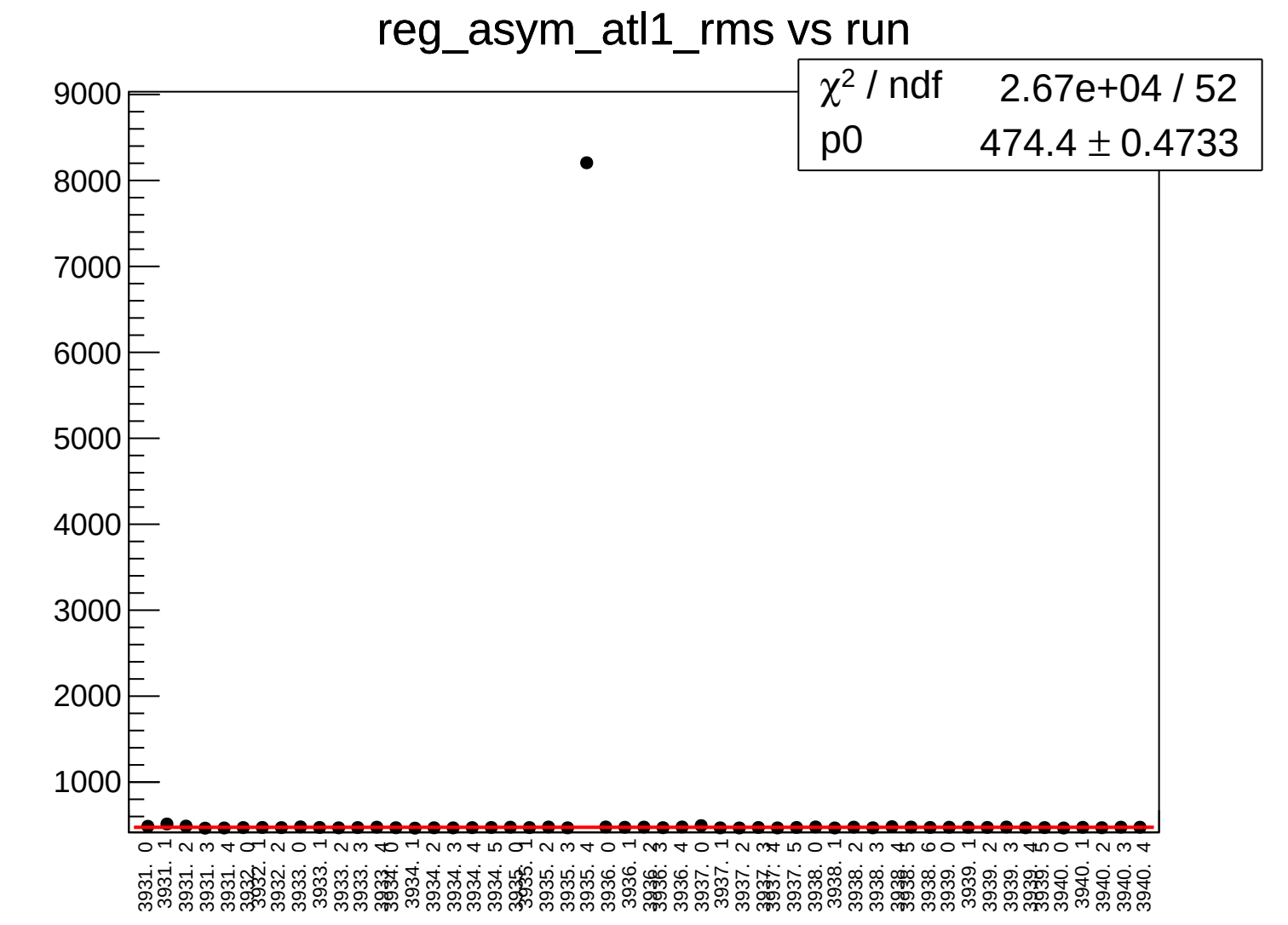

yield_bpm4eY_mean vs run
χ² / ndf 3.934e+04 / 52
p0 1.154 ± 1.259e−05
1.16
1.15
1.14
1.13
1.12
1.11
pull
Entries 53
Mean −168.6
Std Dev 191.6
60
40
20
0
−20
−40
−60
−80
−100

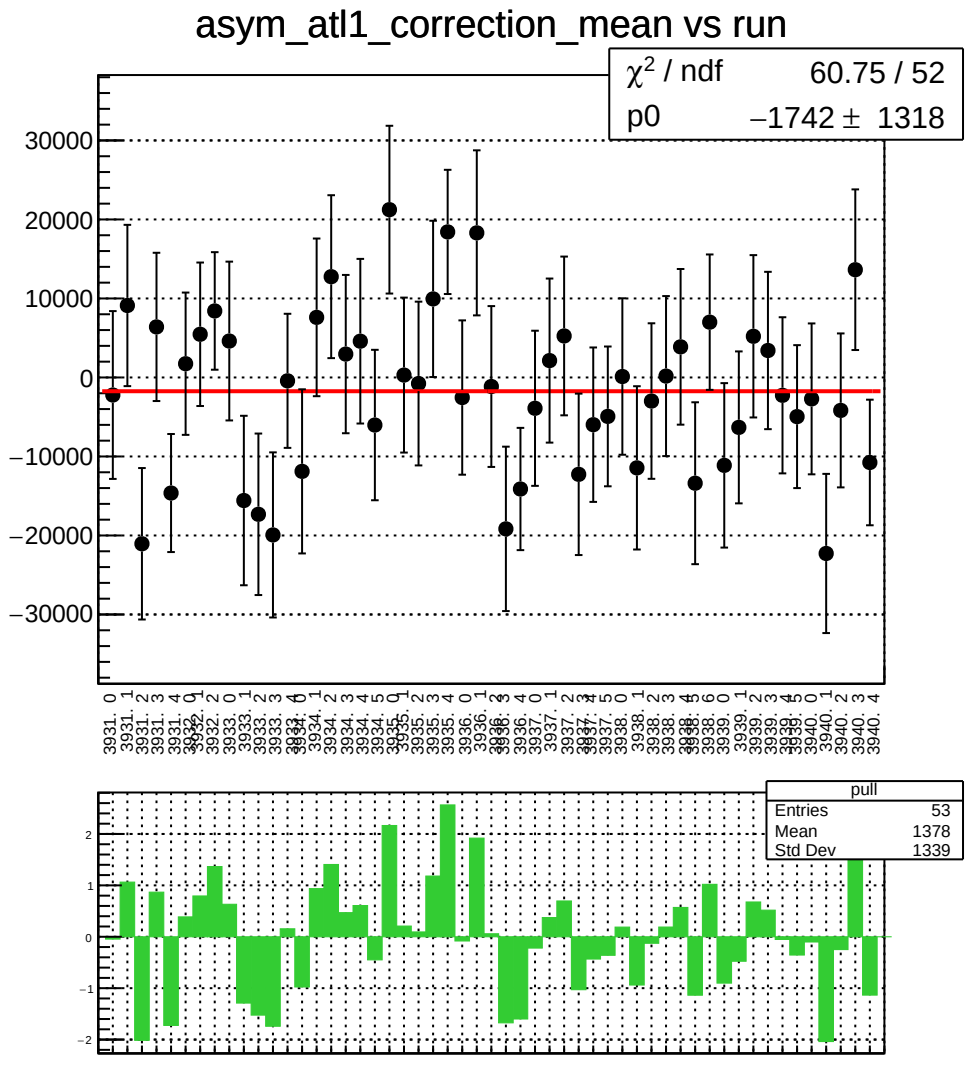

pull1D
Entries 53
Mean 0.6334
Std Dev 4.356
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

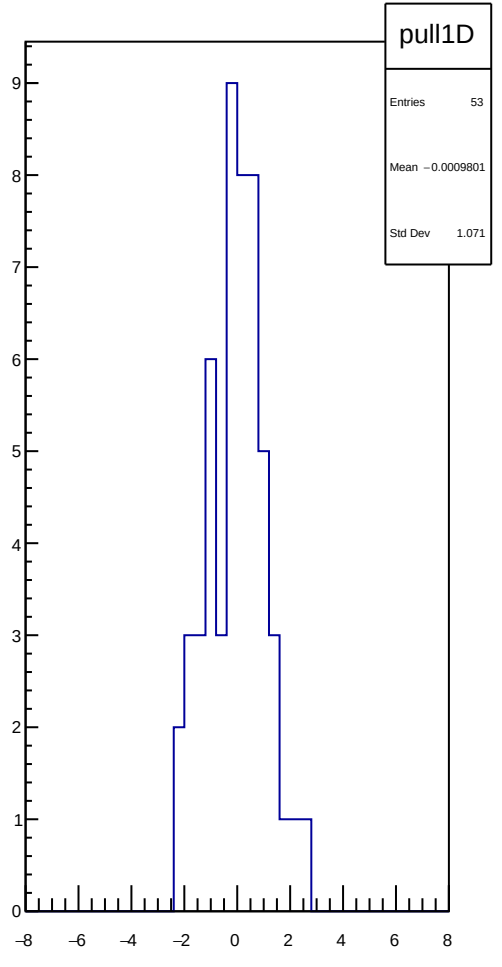

yield_bpm4eY_rms vs run
χ² / ndf 5.22e+04 / 52
p0 0.008809 ± 8.904e−06
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02

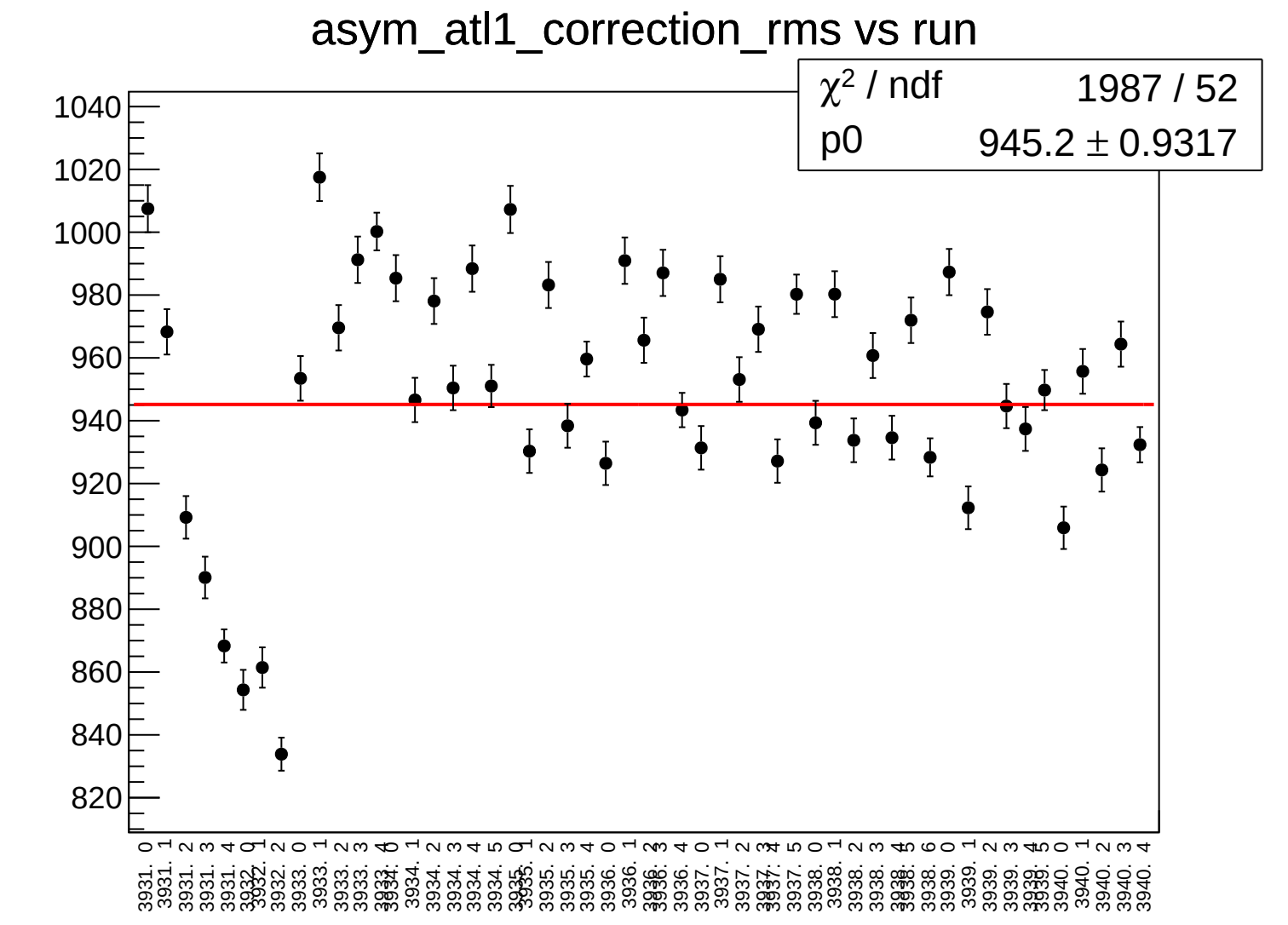

reg_asym_atl1_mean vs run
χ² / ndf 52.03 / 52
p0 1457 ± 669.4
pull
Entries 53
Mean 35.05
Std Dev 40.9

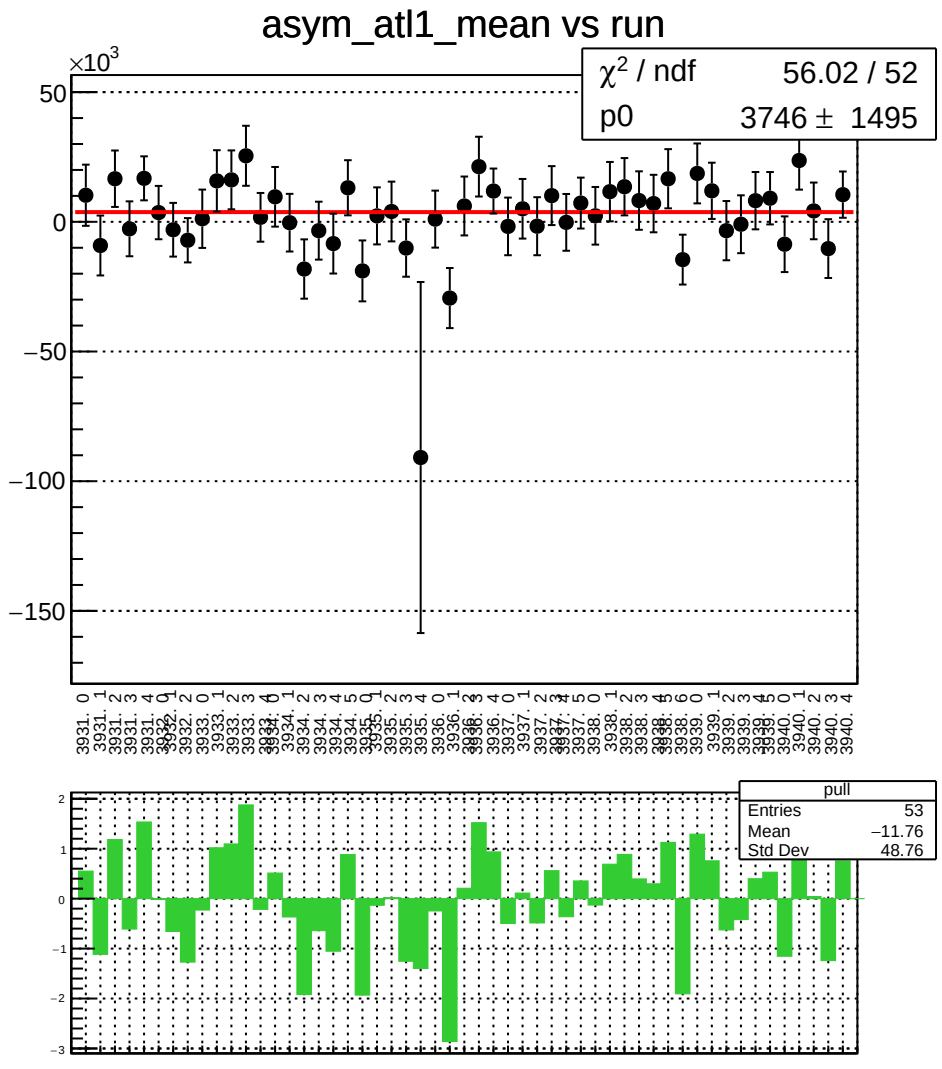

pull1D
Entries 53
Mean −0.01032
Std Dev 0.9907

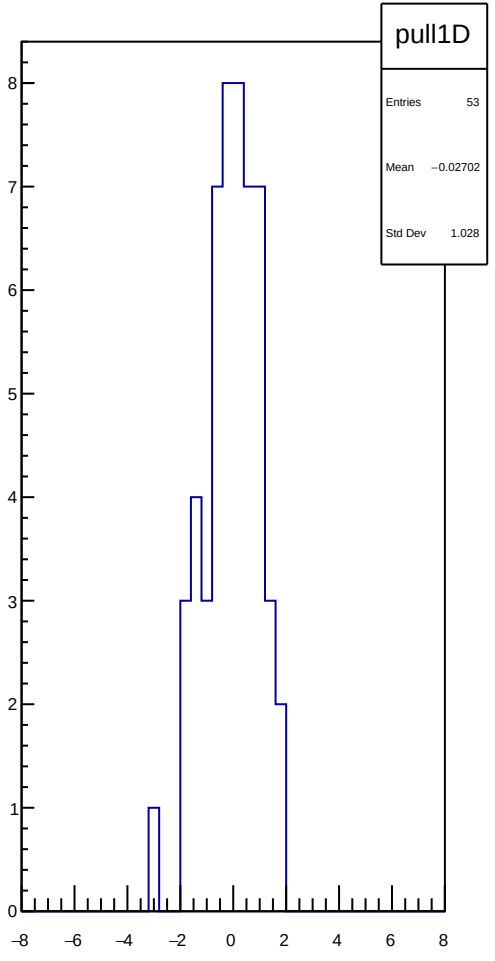

reg_asym_atl1_rms vs run
χ^2 / ndf 2.67e+04 / 52
p0 474.4 ± 0.4733
9000
8000
7000
6000
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

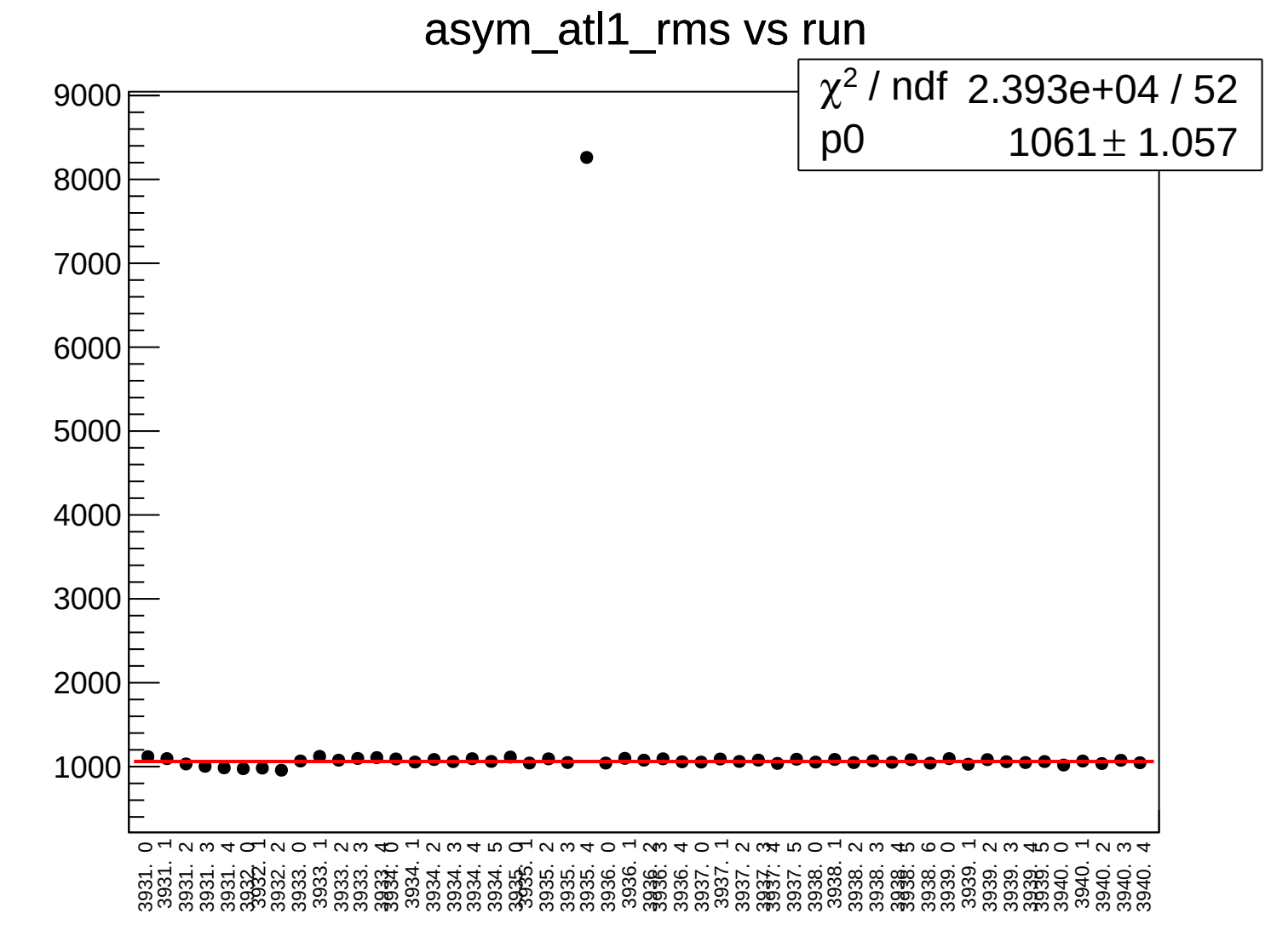

asym_atl1_correction_mean vs run
χ² / ndf 60.75 / 52
p0 −1742 ± 1318
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean 1378
Std Dev 1339
2
1
0
−1
−2

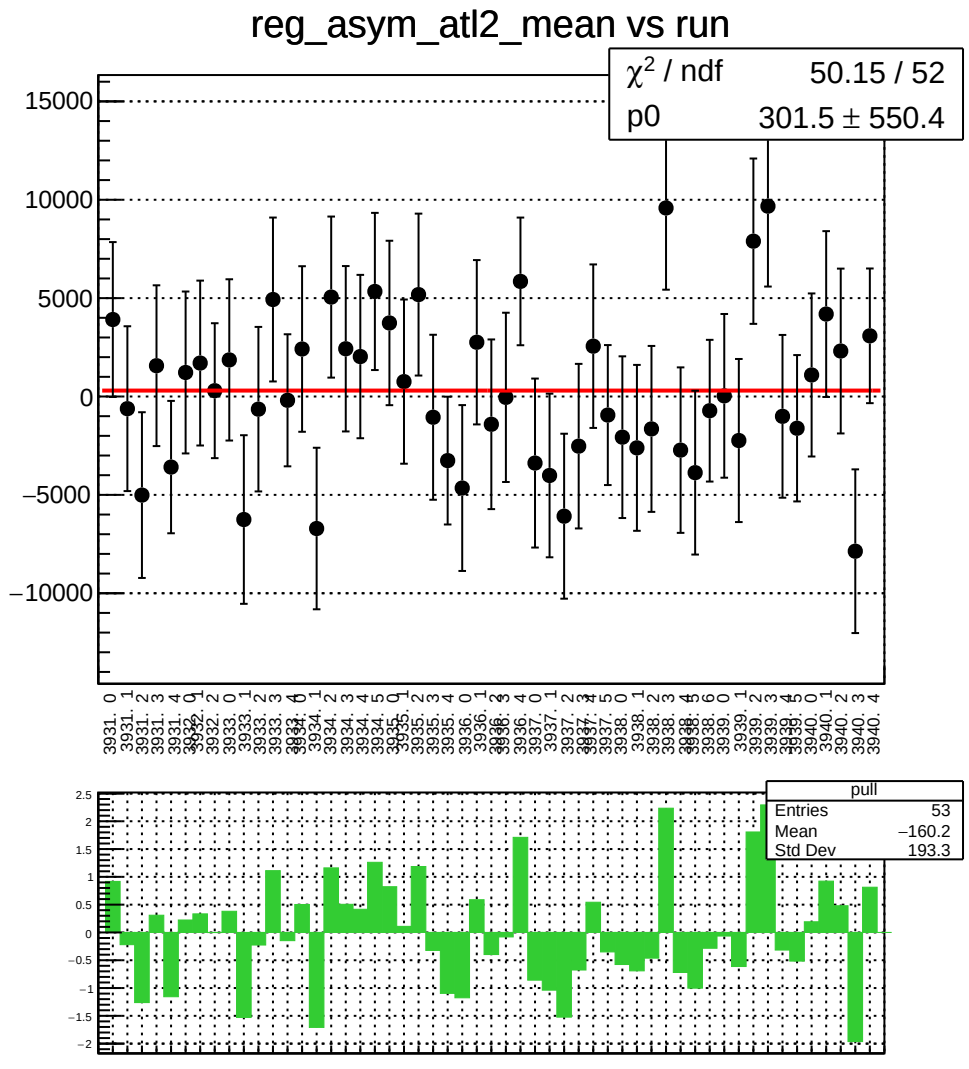

pull1D
Entries 53
Mean −0.0009801
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

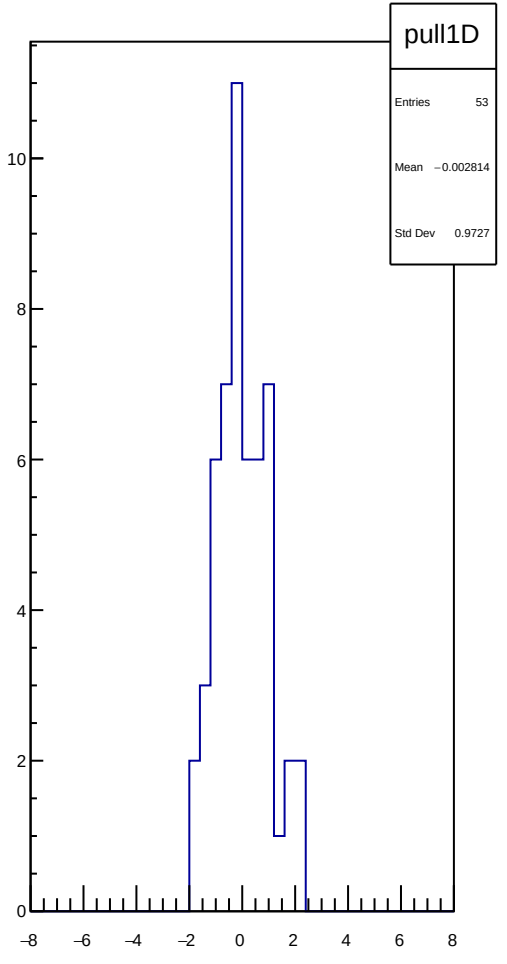

asym_atl1_correction_rms vs run
χ² / ndf 1987 / 52
p0 945.2 ± 0.9317
1040
1020
1000
980
960
940
920
900
880
860
840
820

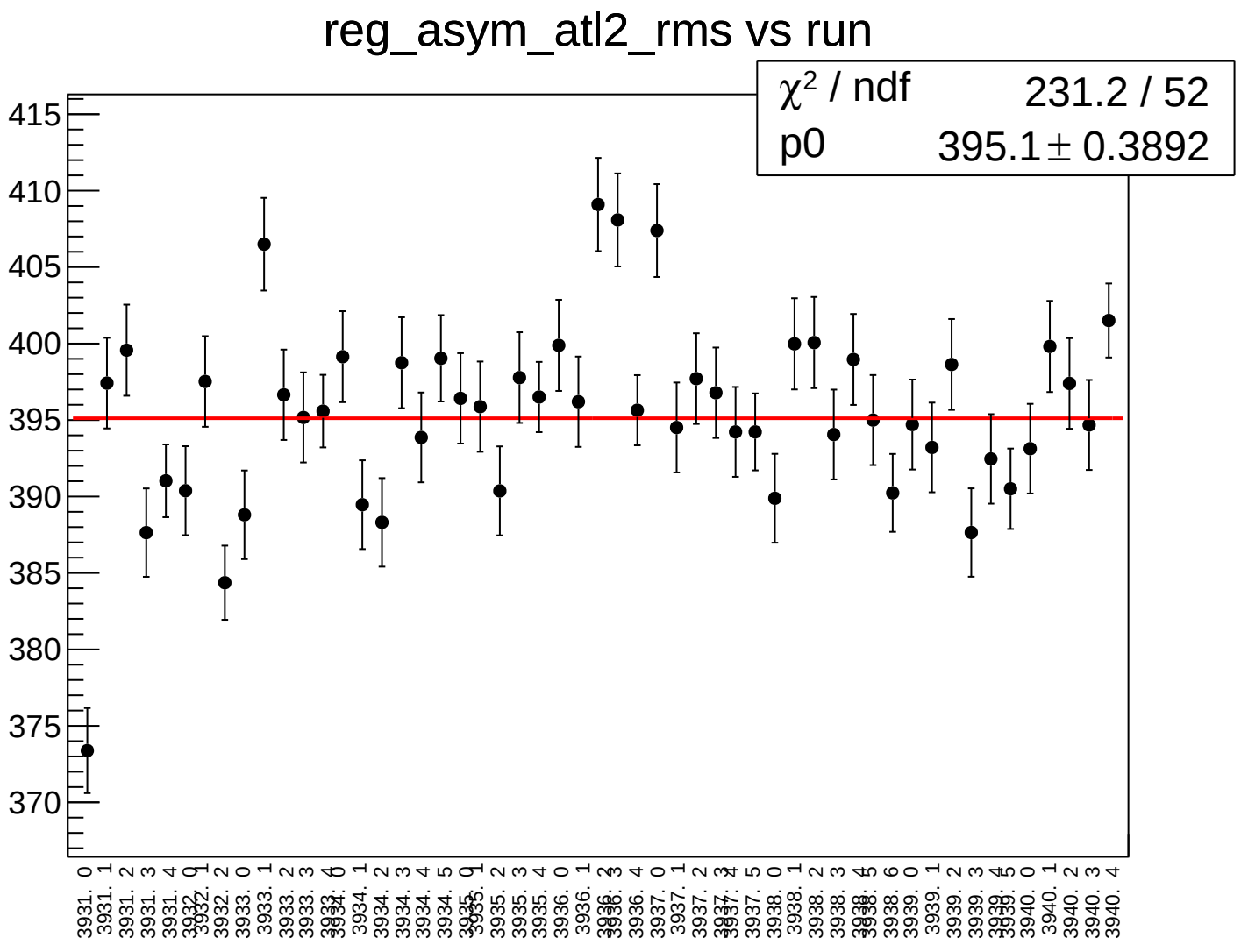

asym_atl1_mean vs run
×10^3
χ^2 / ndf 56.02 / 52
p0 3746 ± 1495
pull
Entries 53
Mean −11.76
Std Dev 48.76

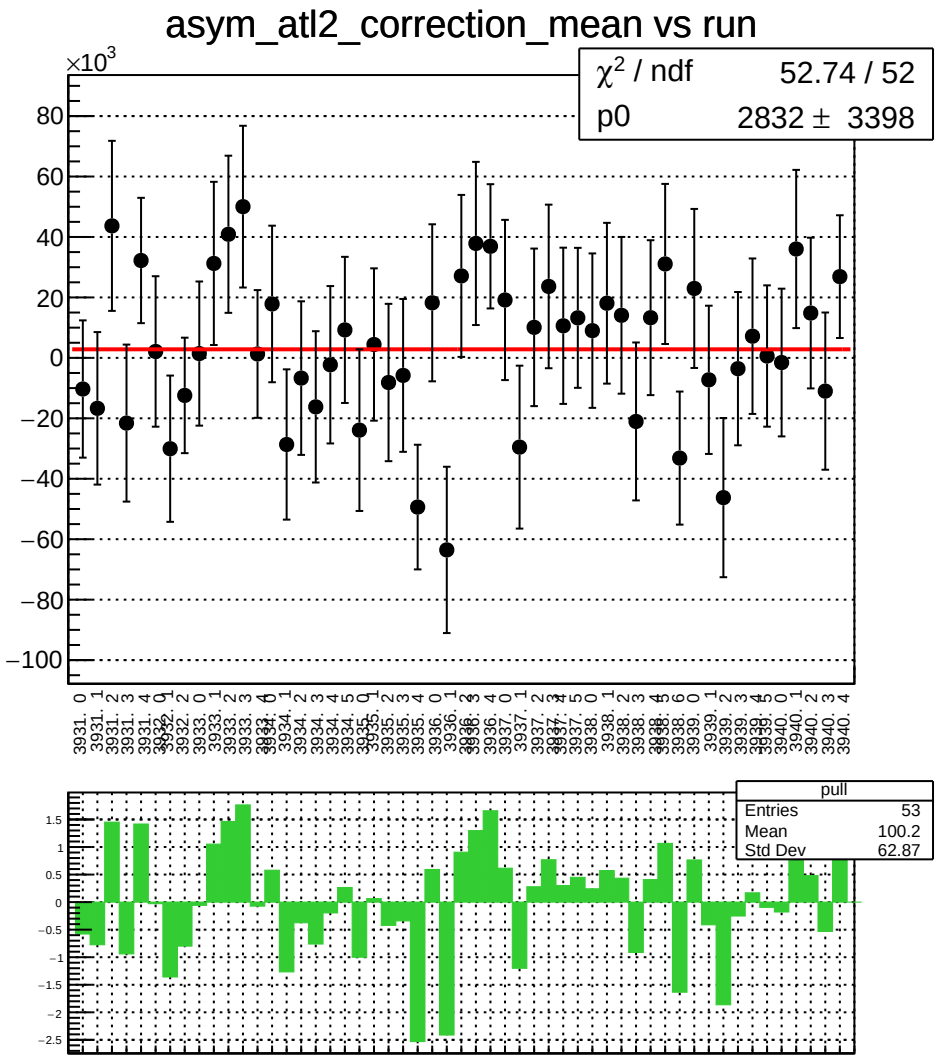

pull1D
Entries 53
Mean −0.02702
Std Dev 1.028

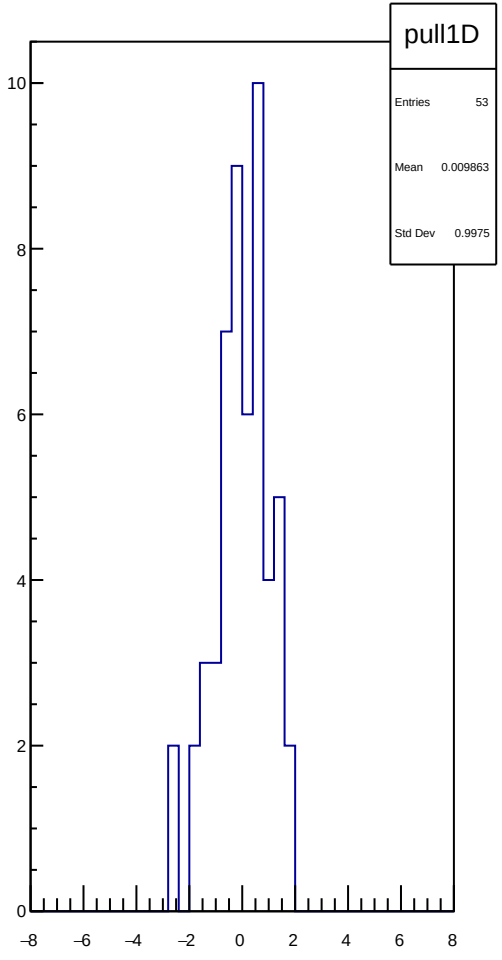

asym_atl1_rms vs run
χ² / ndf 2.393e+04 / 52
p0 1061 ± 1.057
9000
8000
7000
6000
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

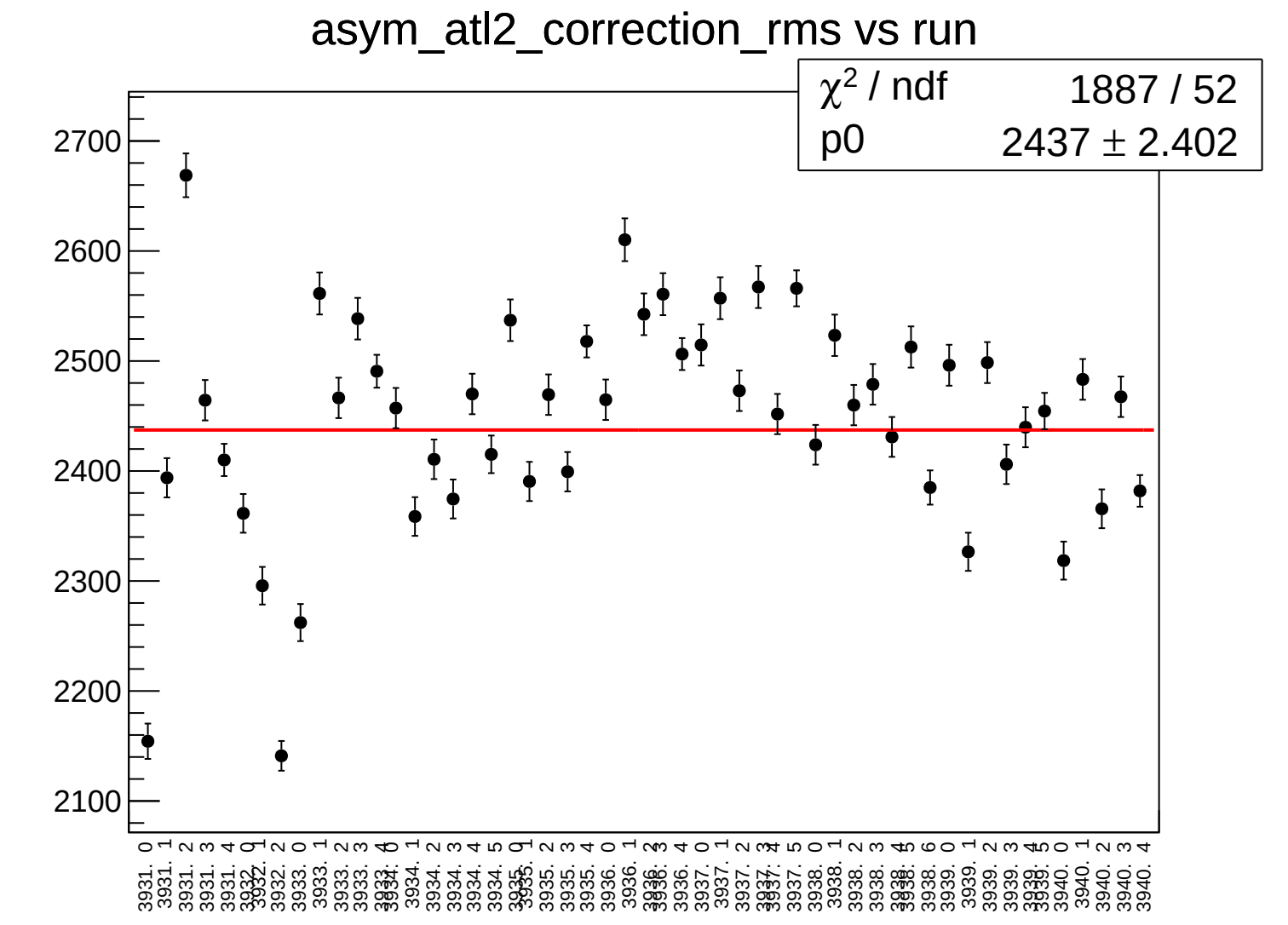

reg_asym_atl2_mean vs run
χ² / ndf 50.15 / 52
p0 301.5 ± 550.4
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −160.2
Std Dev 193.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

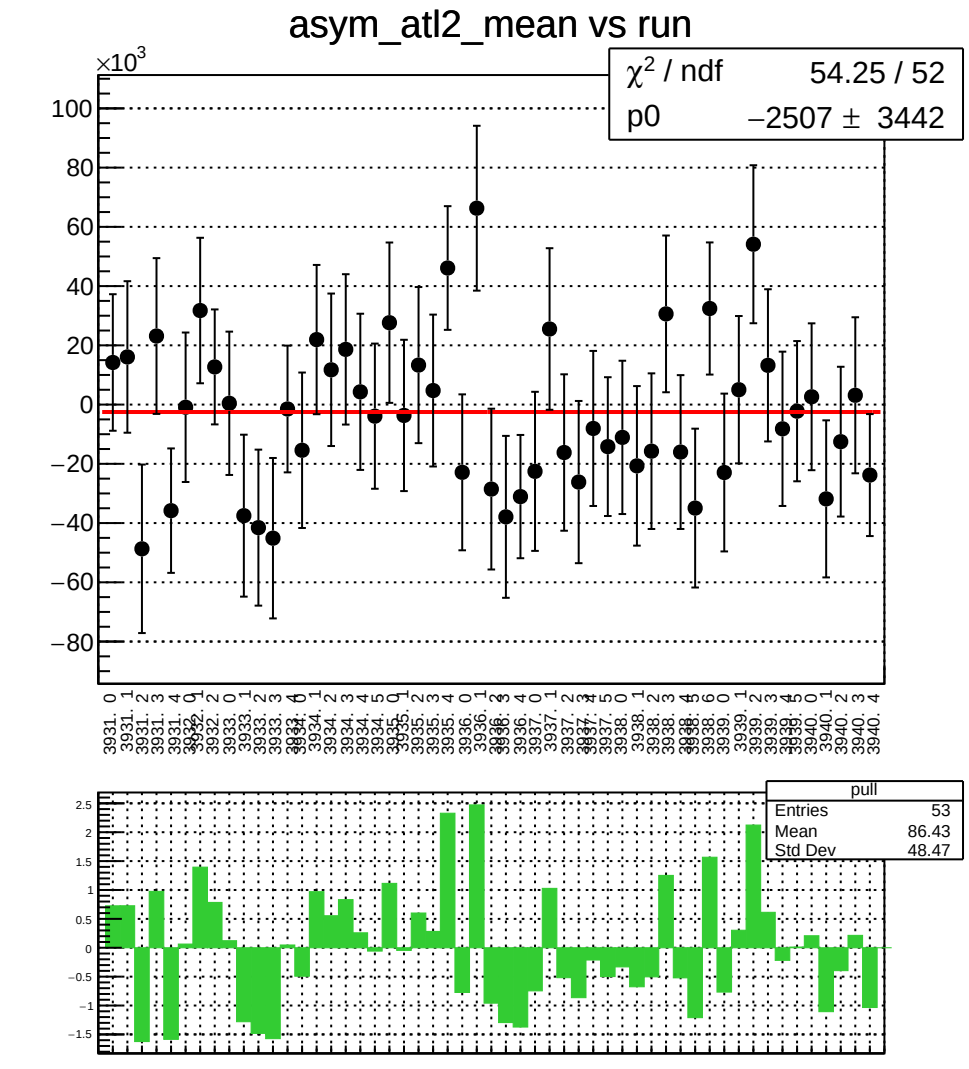

pull1D
Entries 53
Mean −0.002814
Std Dev 0.9727
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

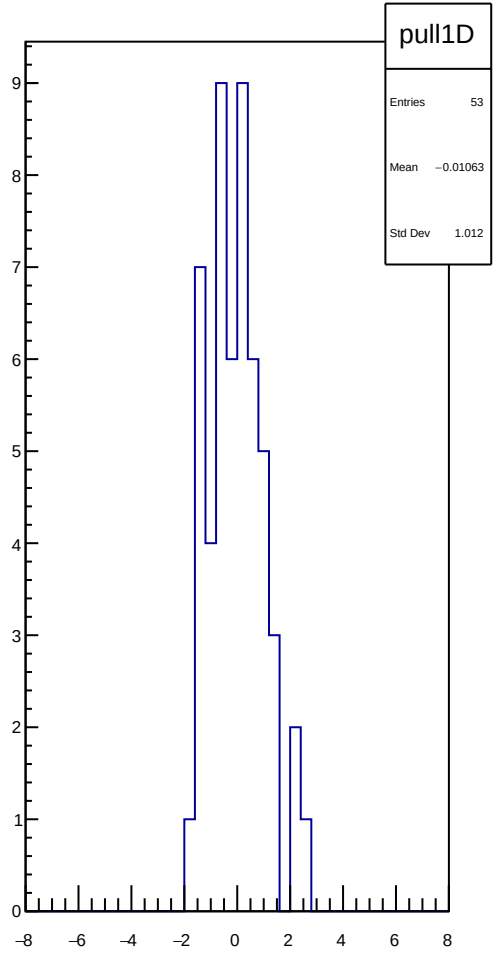

reg_asym_atl2_rms vs run
χ² / ndf 231.2 / 52
p0 395.1 ± 0.3892
415
410
405
400
395
390
385
380
375
370

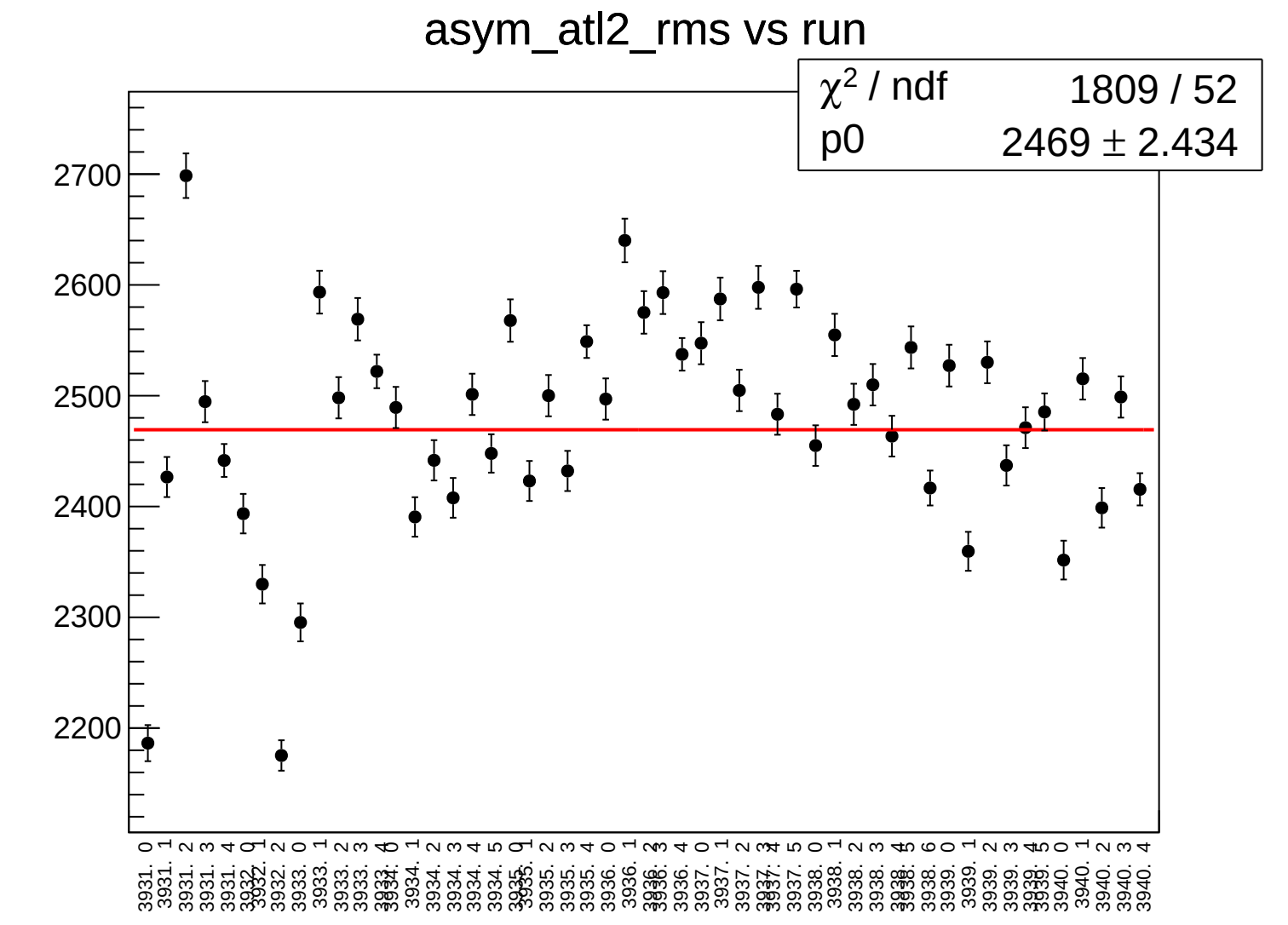

asym_atl2_correction_mean vs run
χ² / ndf 52.74 / 52
p0 2832 ± 3398
×10³
pull
Entries 53
Mean 100.2
Std Dev 62.87

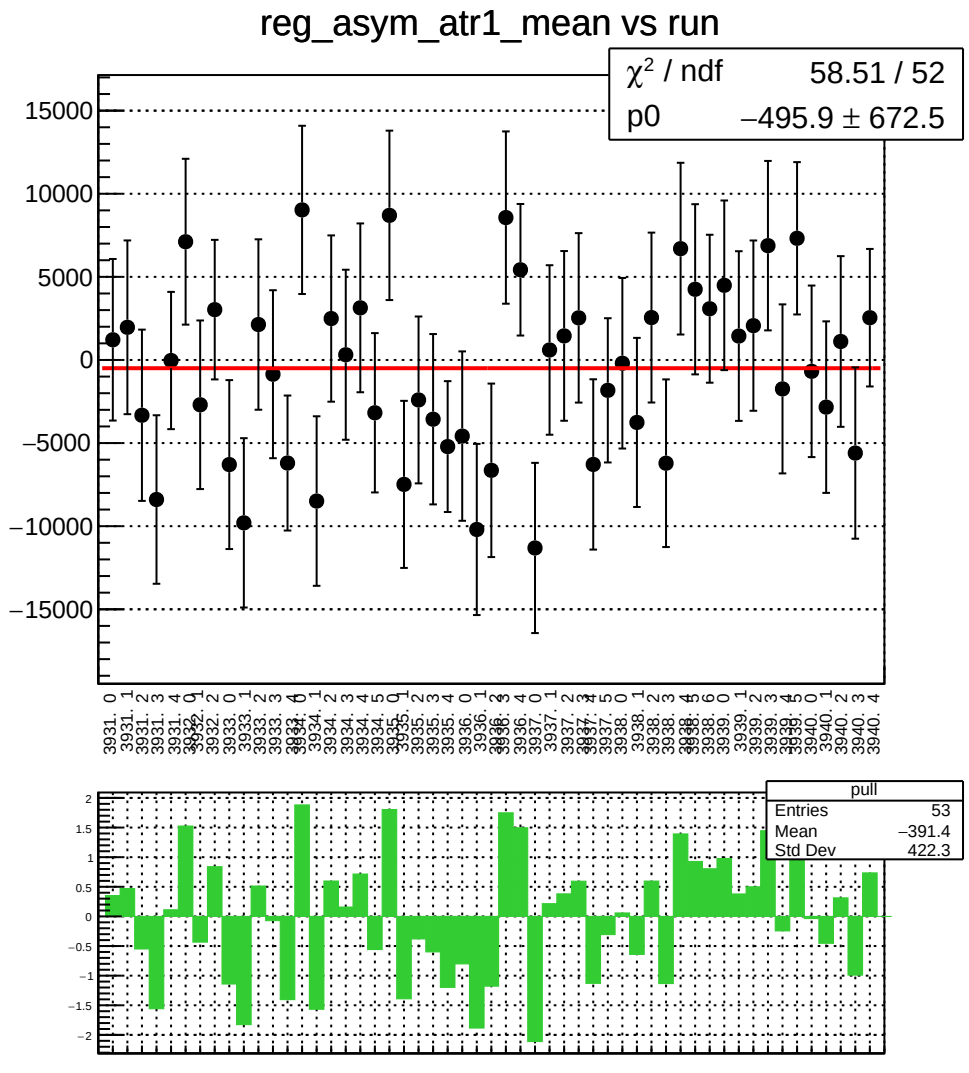

pull1D
Entries 53
Mean 0.009863
Std Dev 0.9975

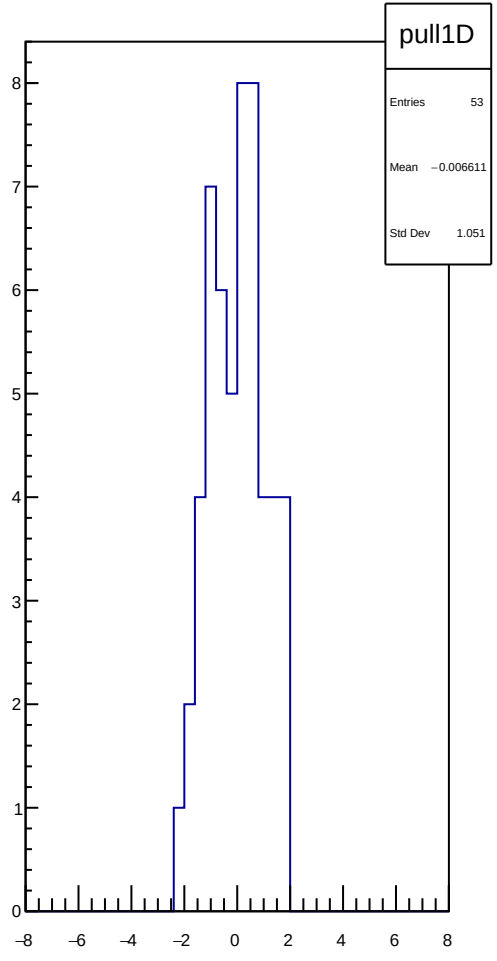

asym_atl2_correction_rms vs run
χ² / ndf 1887 / 52
p0 2437 ± 2.402
2700
2600
2500
2400
2300
2200
2100
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

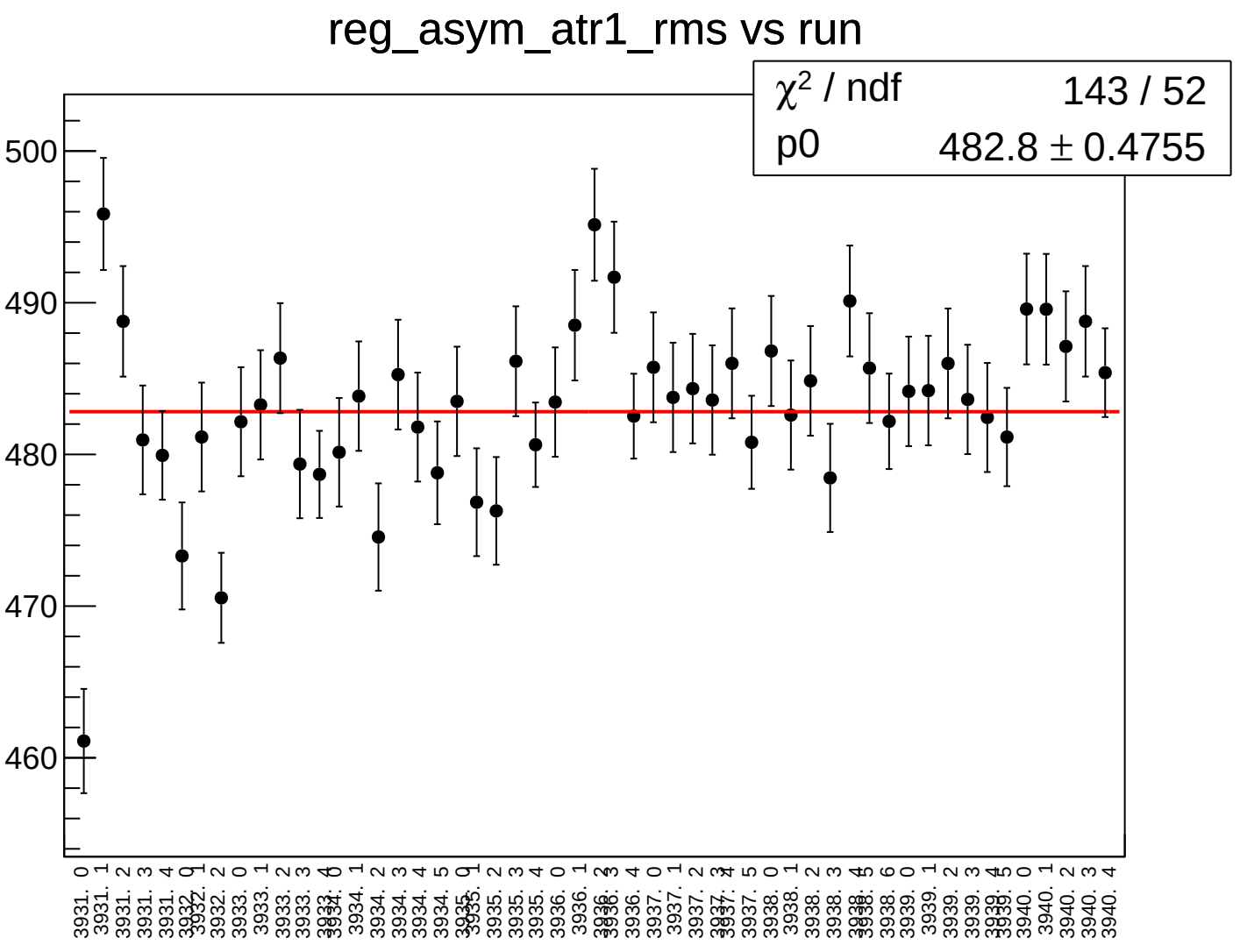

asym_atl2_mean vs run
×10^3
χ² / ndf 54.25 / 52
p0 −2507 ± 3442
pull
Entries 53
Mean 86.43
Std Dev 48.47

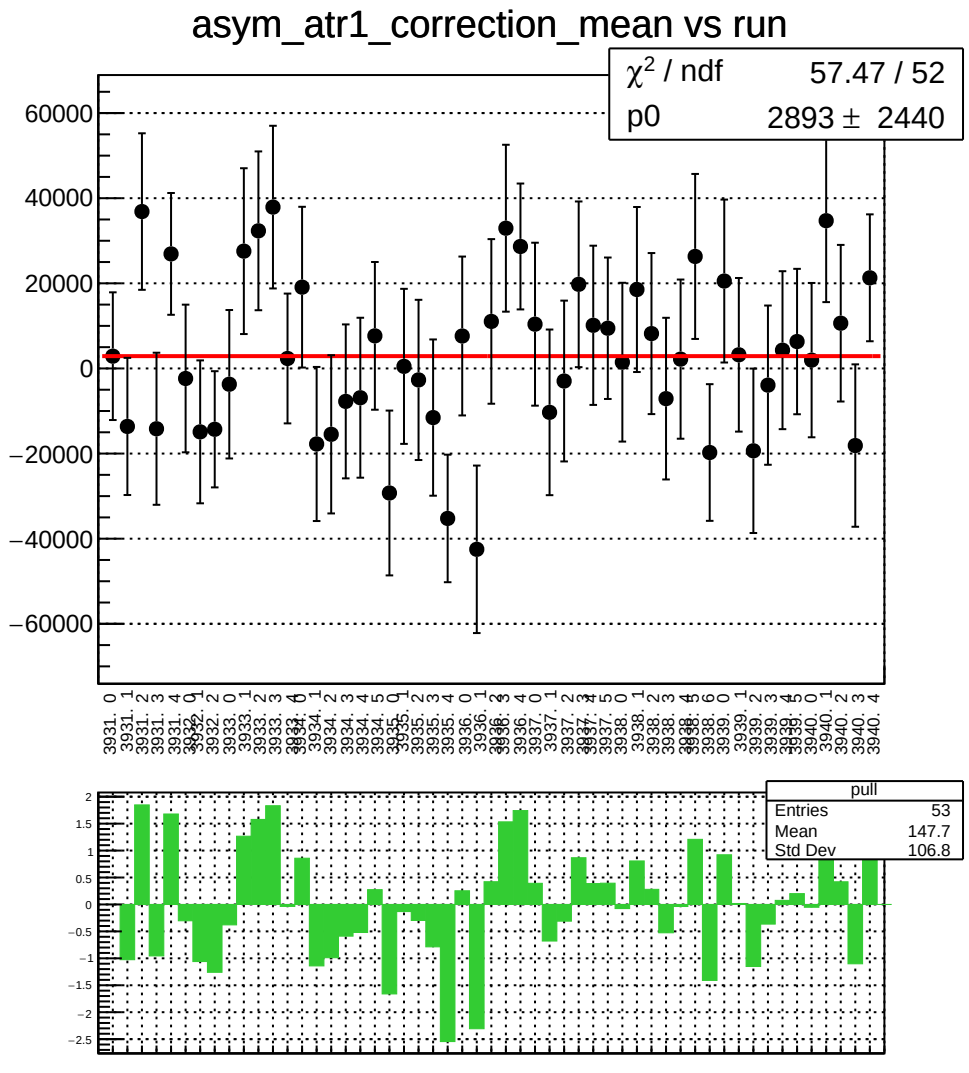

pull1D
Entries 53
Mean −0.01063
Std Dev 1.012

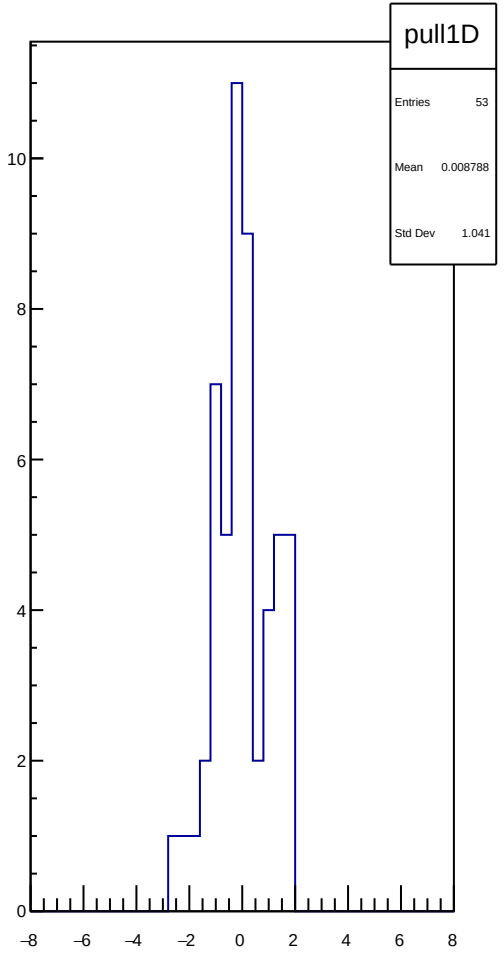

asym_atl2_rms vs run
χ² / ndf 1809 / 52
p0 2469 ± 2.434
2700
2600
2500
2400
2300
2200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

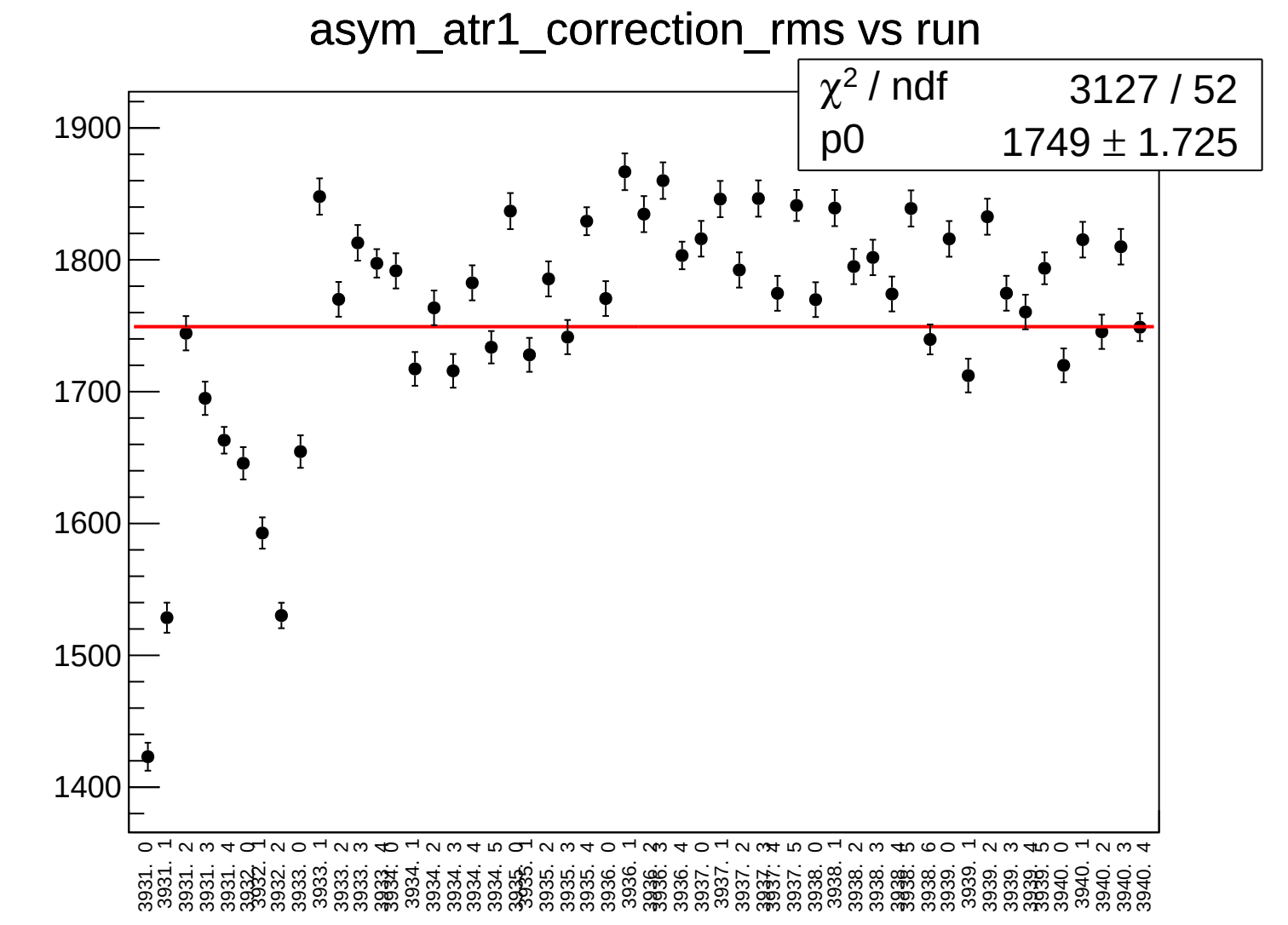

reg_asym_atr1_mean vs run
χ² / ndf 58.51 / 52
p0 −495.9 ± 672.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −391.4
Std Dev 422.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

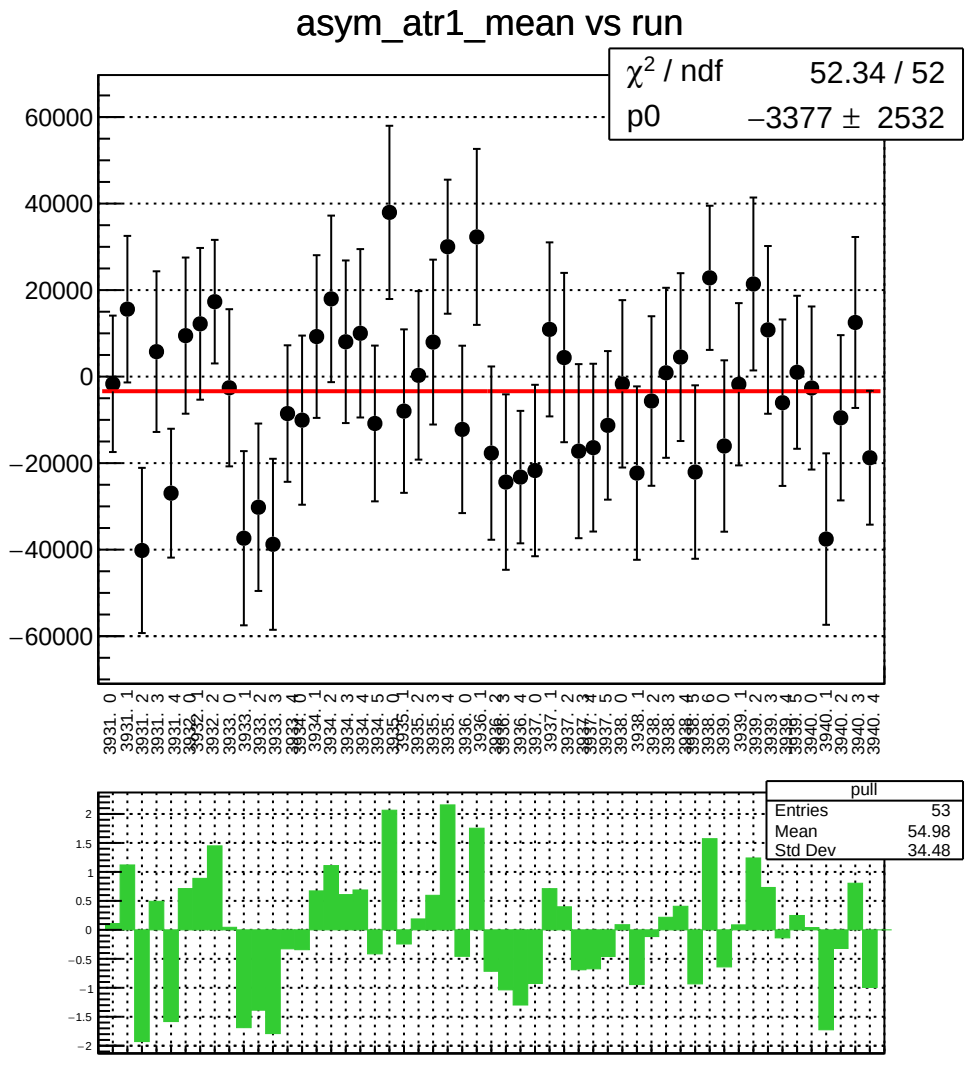

pull1D
Entries 53
Mean −0.006611
Std Dev 1.051
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

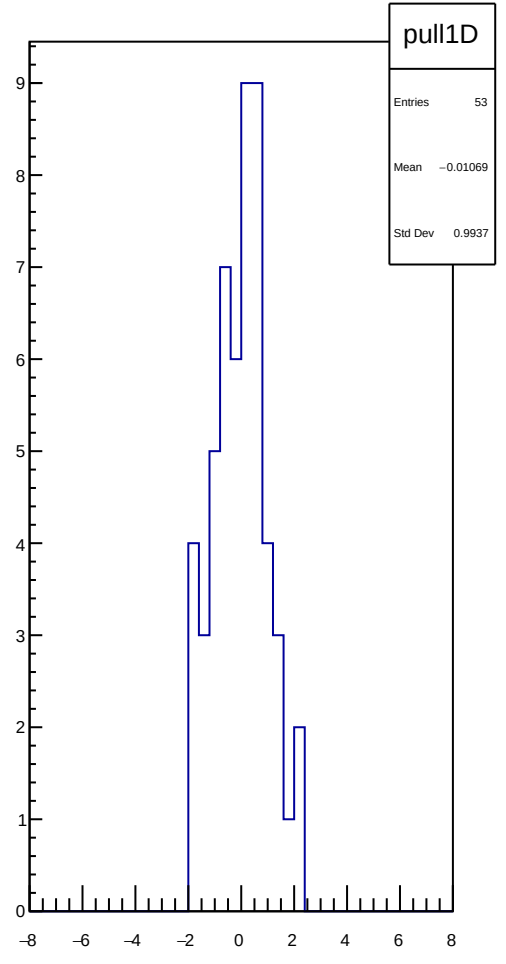

reg_asym_atr1_rms vs run
χ² / ndf 143 / 52
p0 482.8 ± 0.4755
500
490
480
470
460
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

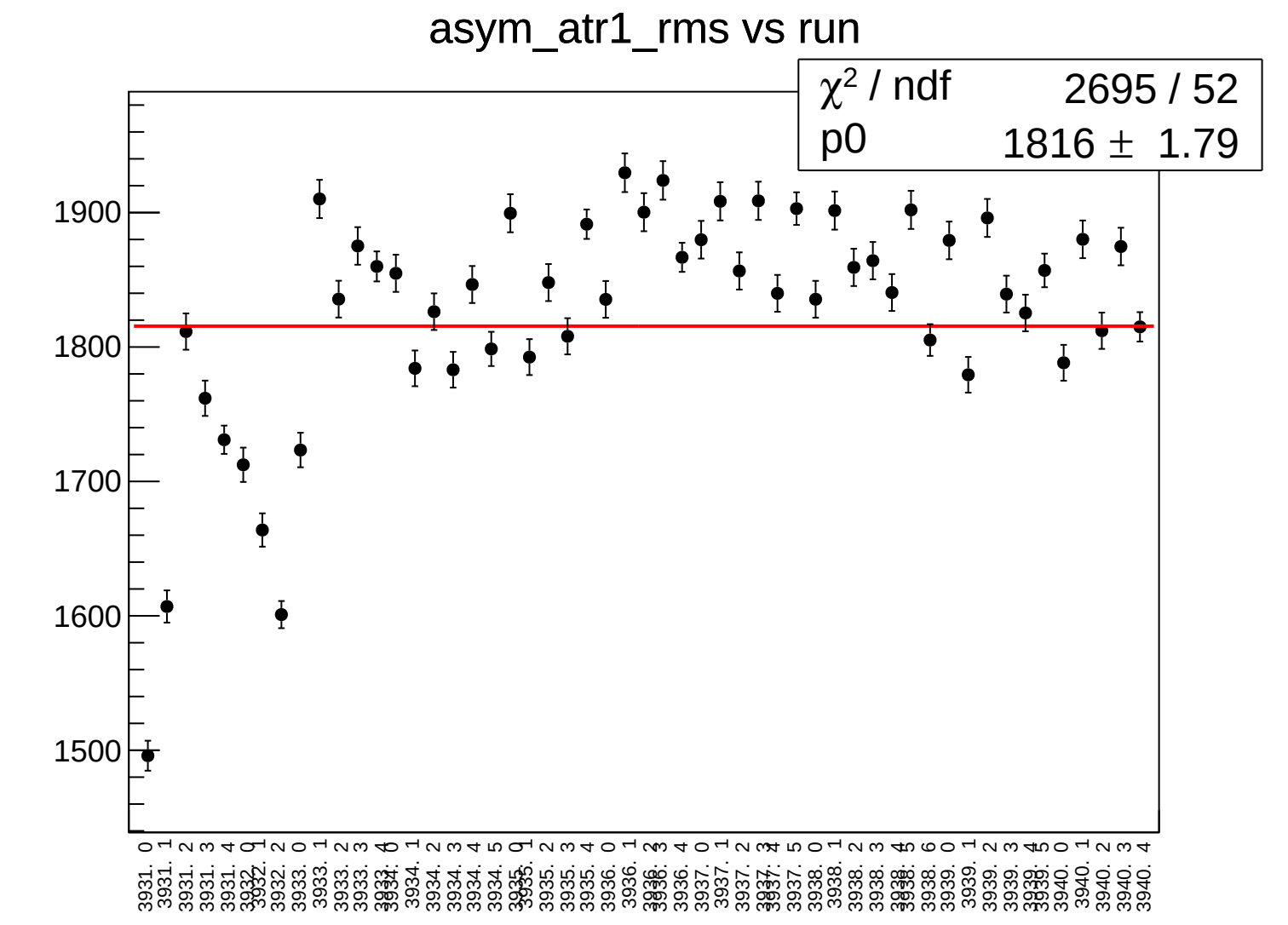

asym_atr1_correction_mean vs run
χ² / ndf 57.47 / 52
p0 2893 ± 2440
pull
Entries 53
Mean 147.7
Std Dev 106.8

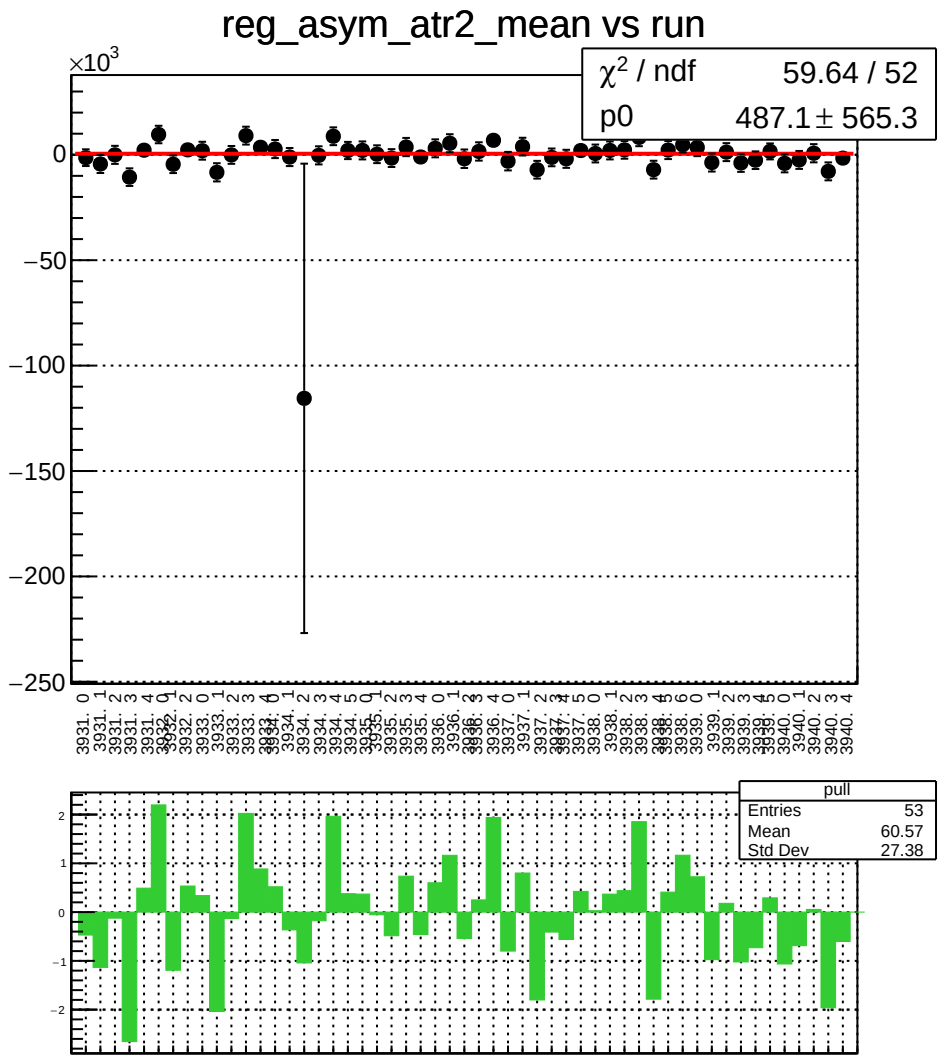

pull1D
Entries 53
Mean 0.008788
Std Dev 1.041

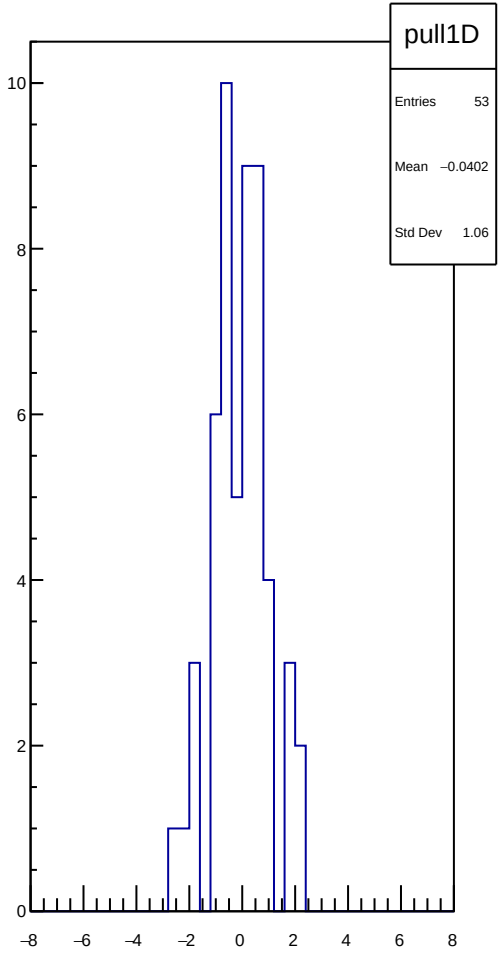

asym_atr1_correction_rms vs run
χ² / ndf 3127 / 52
p0 1749 ± 1.725
1900
1800
1700
1600
1500
1400

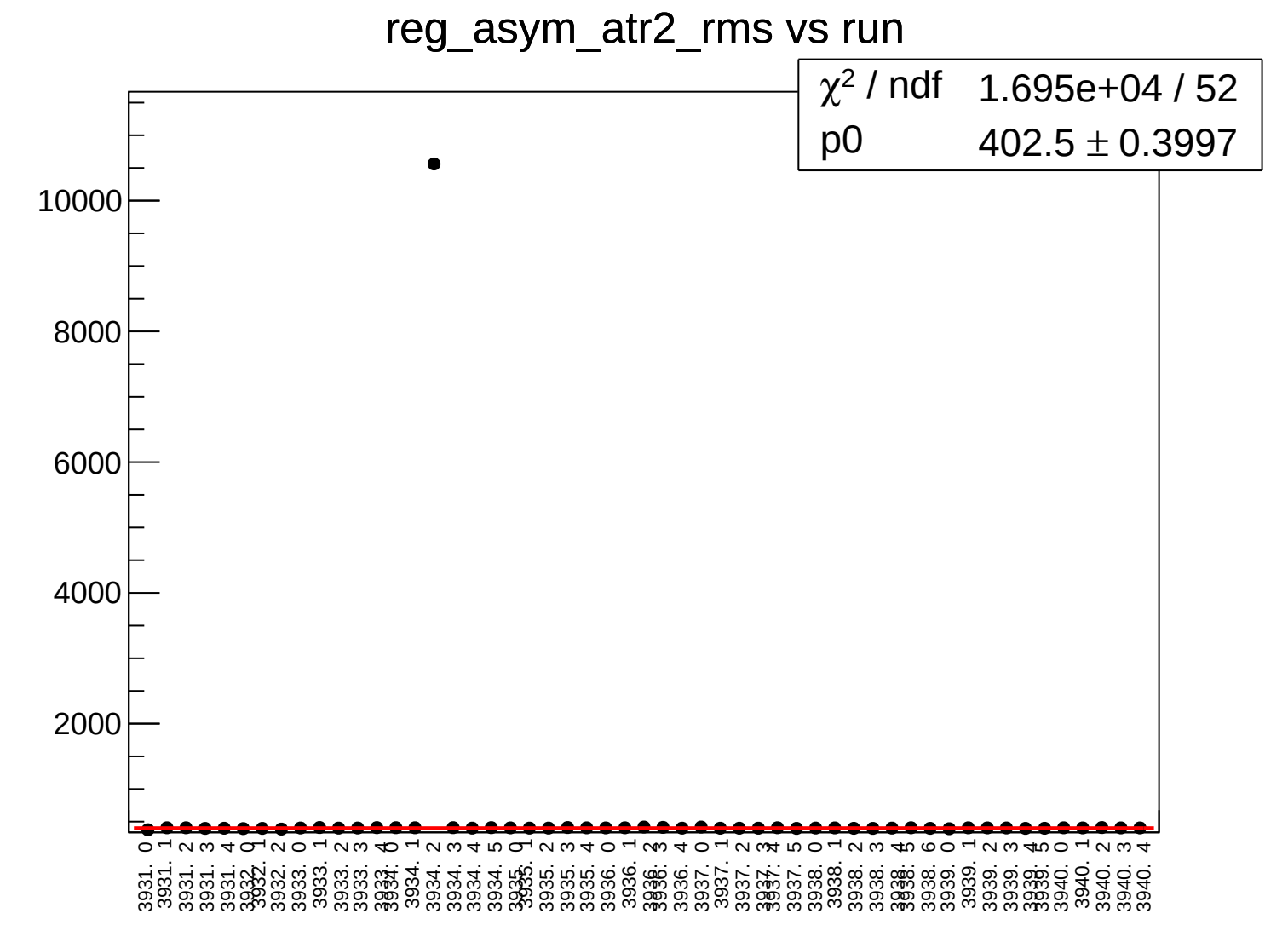

asym_atr1_mean vs run
χ² / ndf 52.34 / 52
p0 −3377 ± 2532
pull
Entries 53
Mean 54.98
Std Dev 34.48

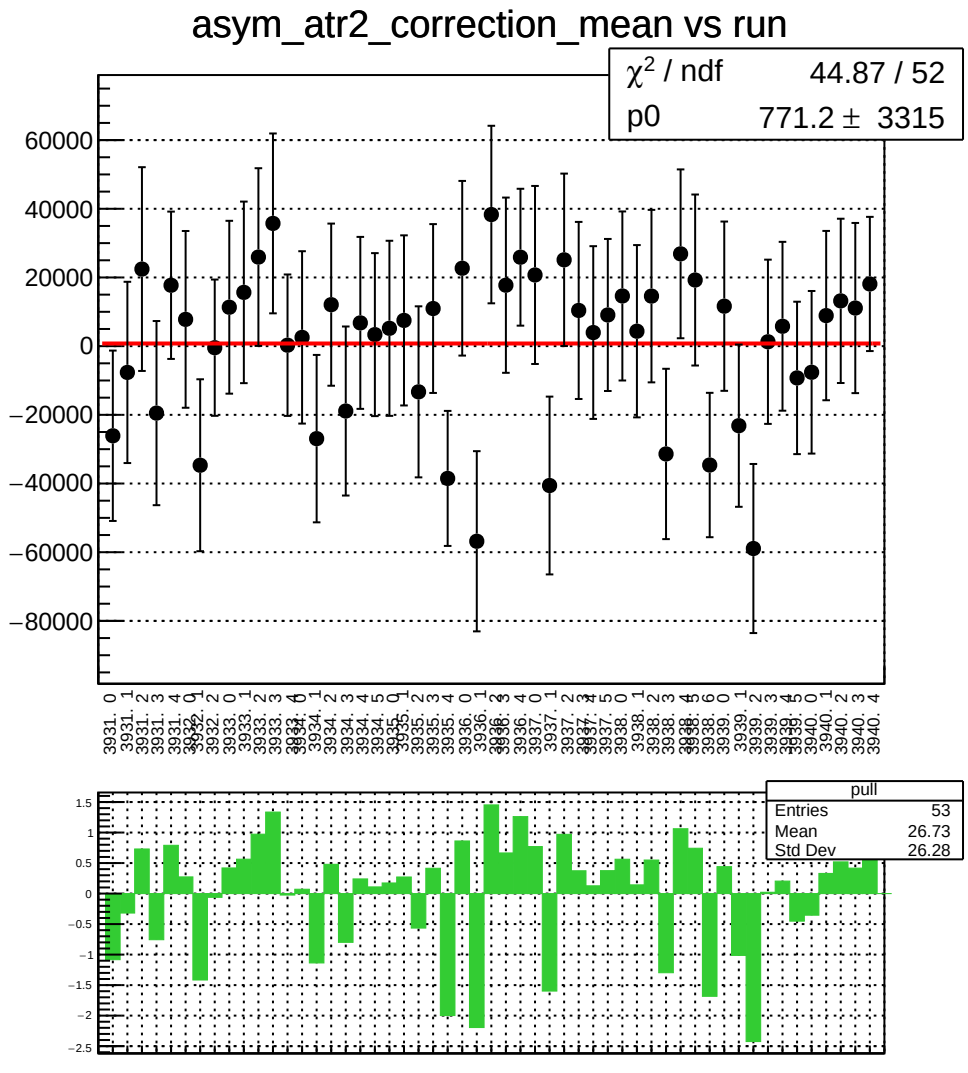

pull1D
Entries 53
Mean −0.01069
Std Dev 0.9937

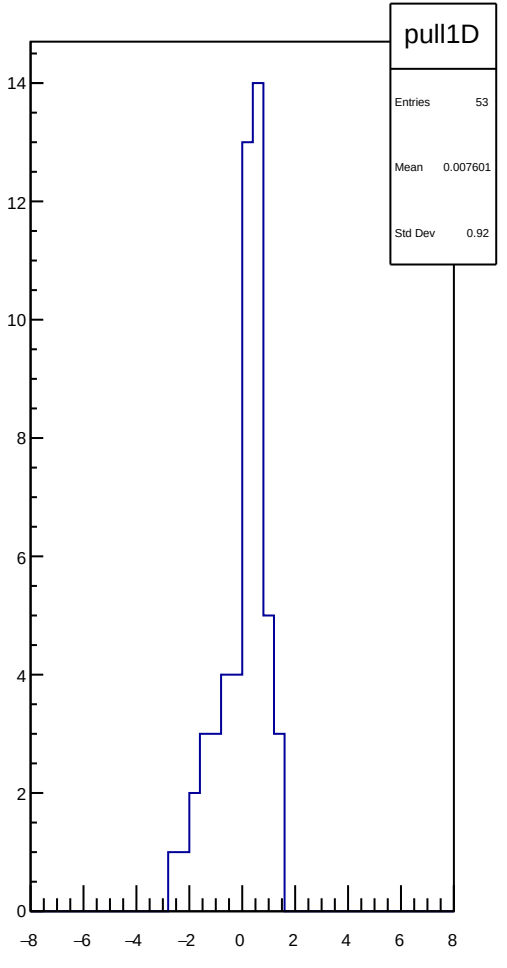

asym_atr1_rms vs run
χ² / ndf 2695 / 52
p0 1816 ± 1.79
1900
1800
1700
1600
1500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

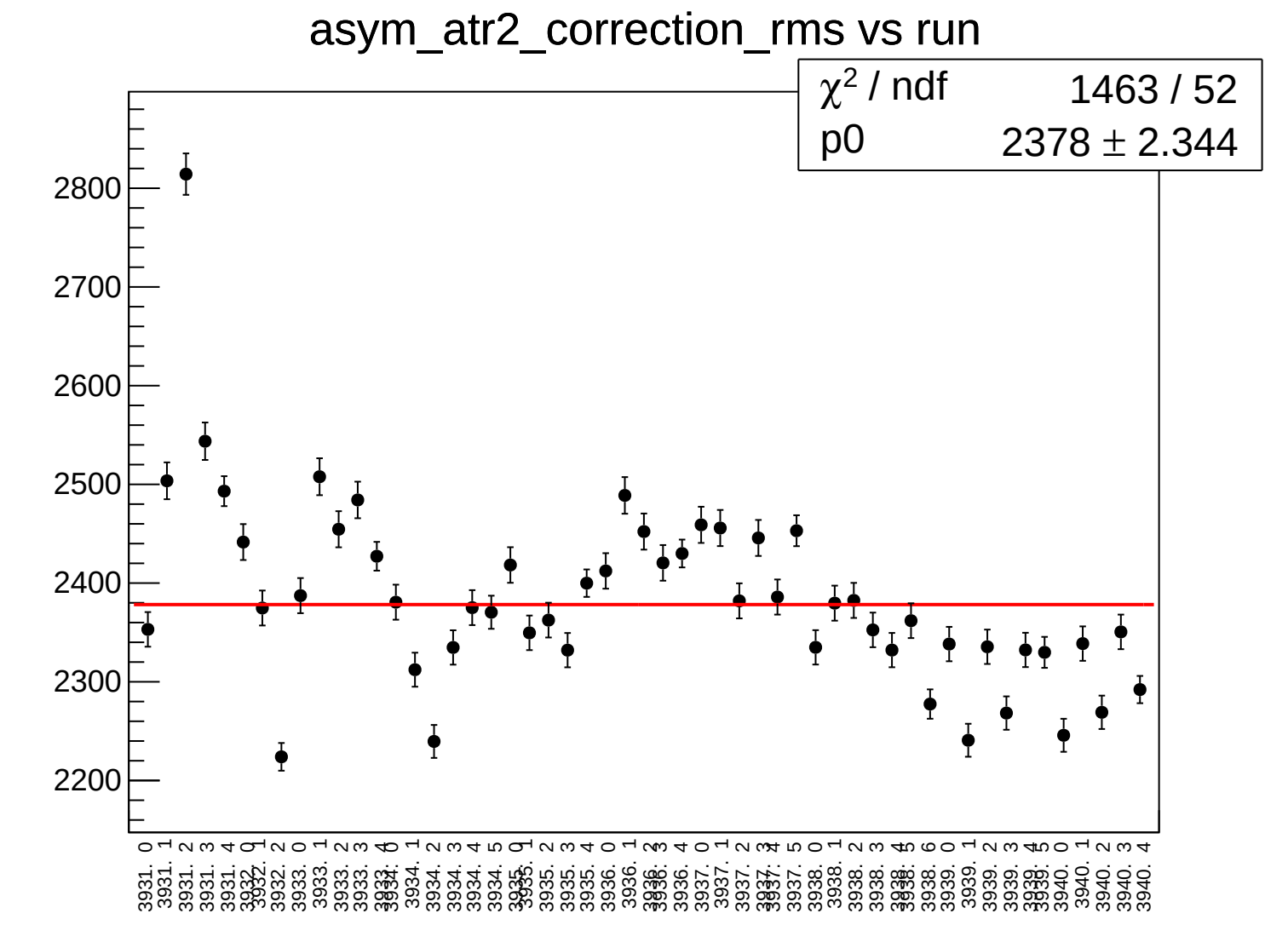

reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 59.64 / 52
p0 487.1 ± 565.3
pull
Entries 53
Mean 60.57
Std Dev 27.38

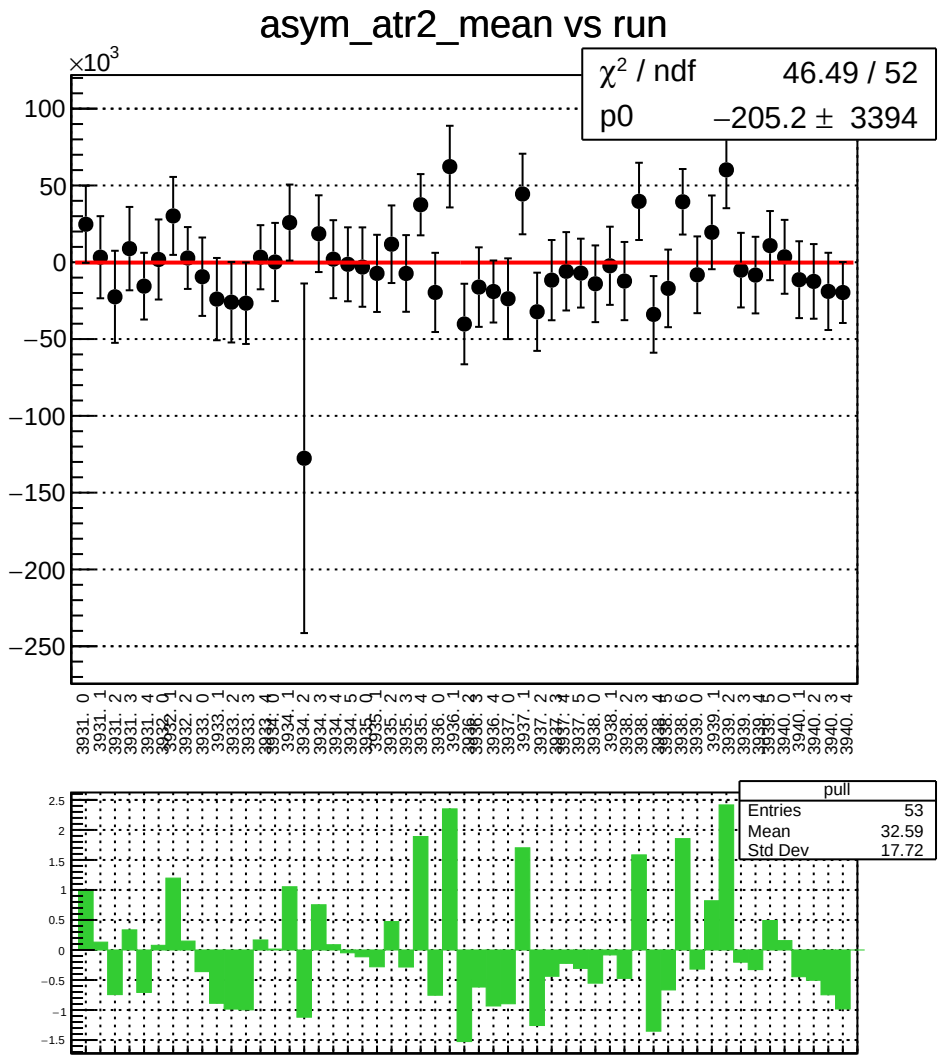

pull1D
Entries 53
Mean −0.0402
Std Dev 1.06

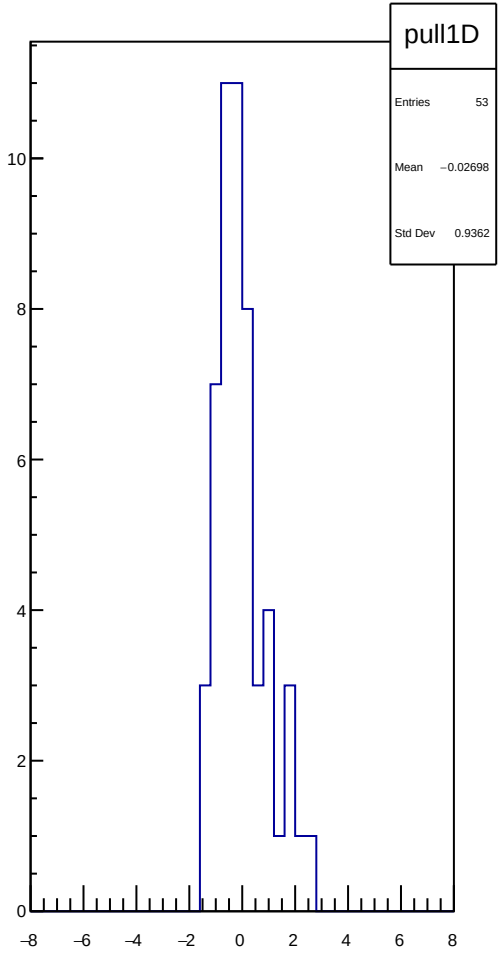

reg_asym_atr2_rms vs run
χ² / ndf 1.695e+04 / 52
p0 402.5 ± 0.3997
10000
8000
6000
4000
2000

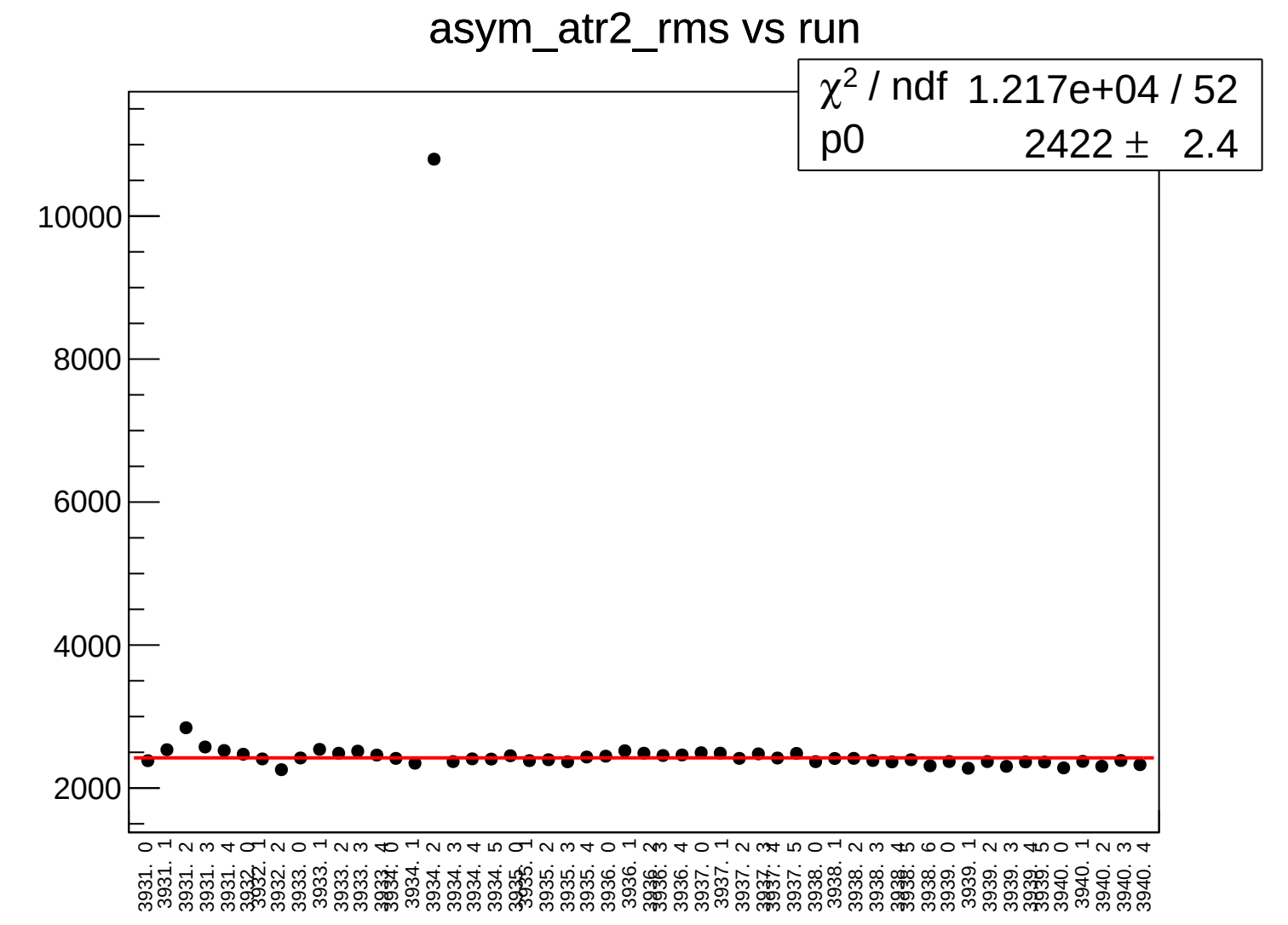

asym_atr2_correction_mean vs run
χ² / ndf 44.87 / 52
p0 771.2 ± 3315
pull
Entries 53
Mean 26.73
Std Dev 26.28

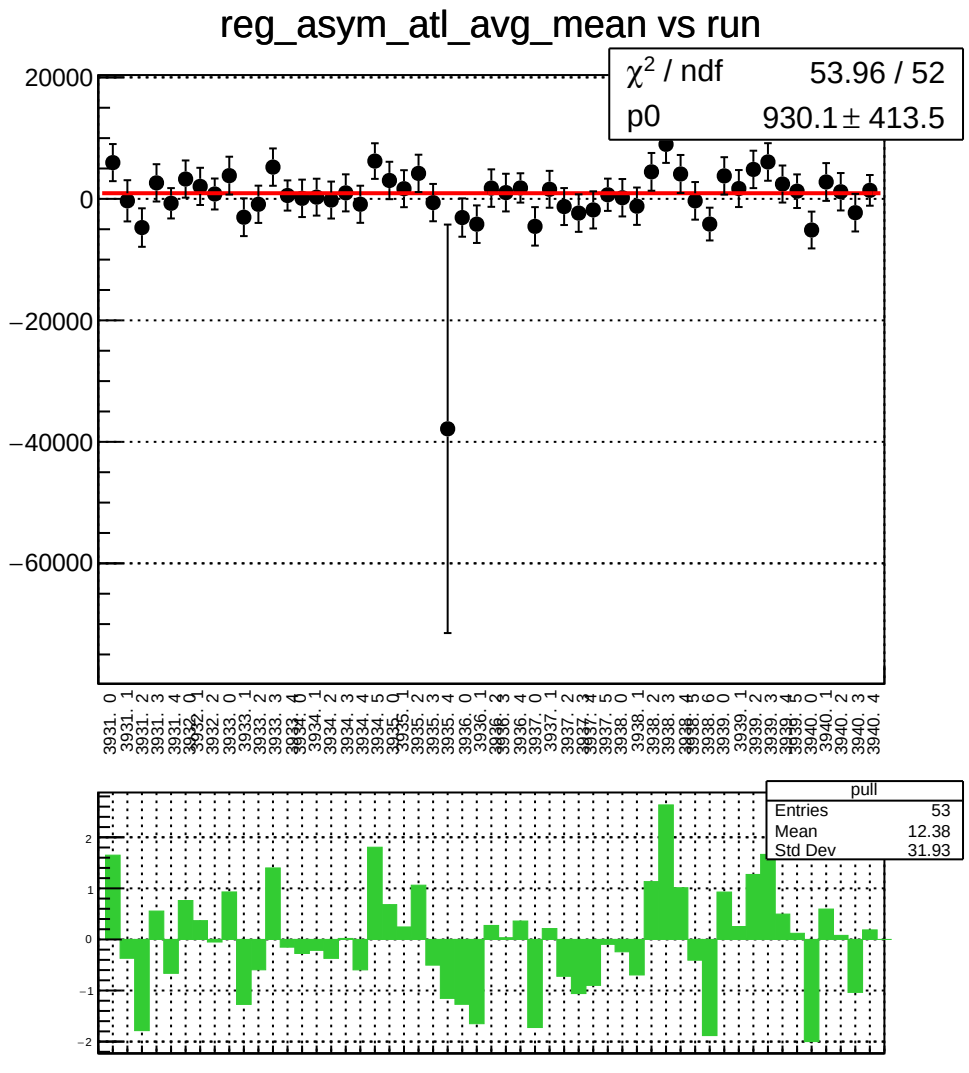

pull1D
Entries 53
Mean 0.007601
Std Dev 0.92

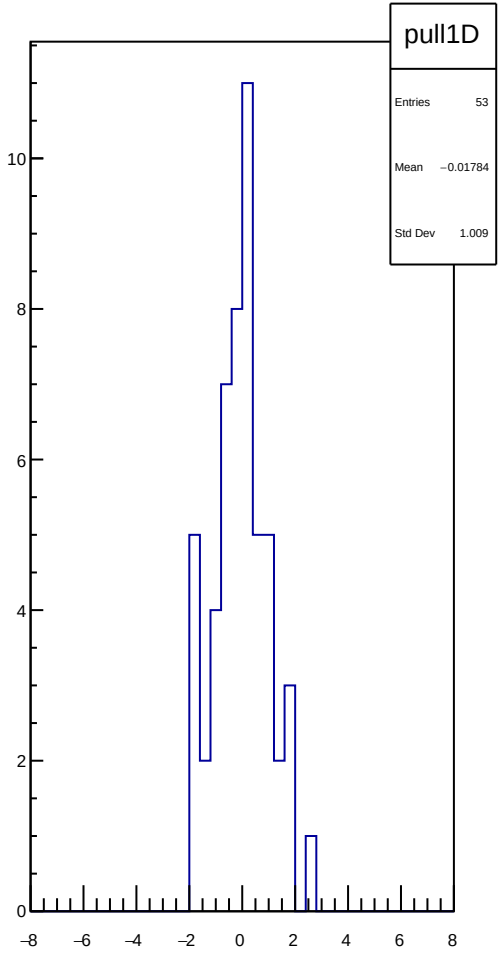

asym_atr2_correction_rms vs run
χ² / ndf 1463 / 52
p0 2378 ± 2.344
2800
2700
2600
2500
2400
2300
2200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

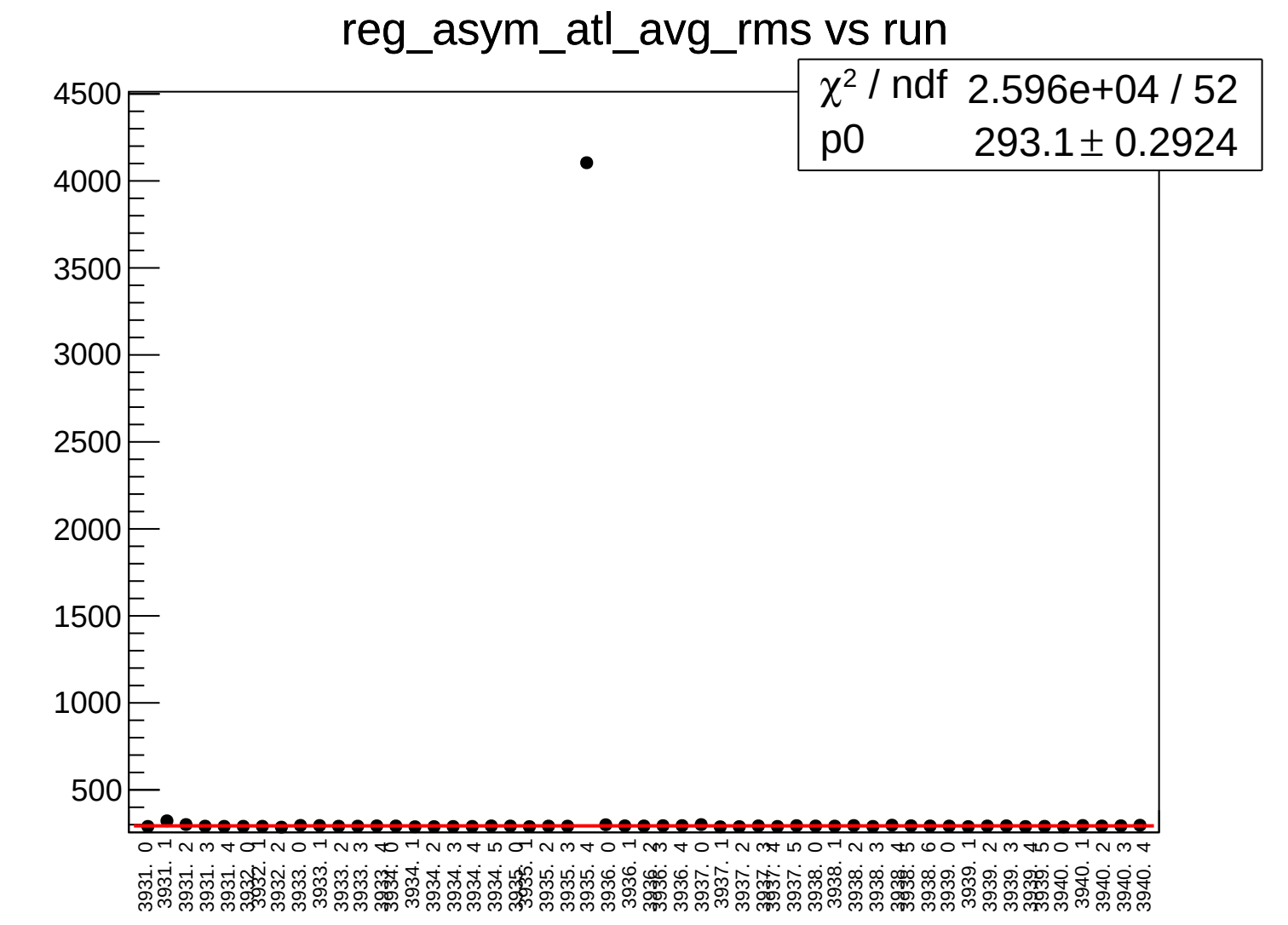

asym_atr2_mean vs run
×10^3
χ² / ndf 46.49 / 52
p0 −205.2 ± 3394
100
50
0
−50
−100
−150
−200
−250
pull
Entries 53
Mean 32.59
Std Dev 17.72
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

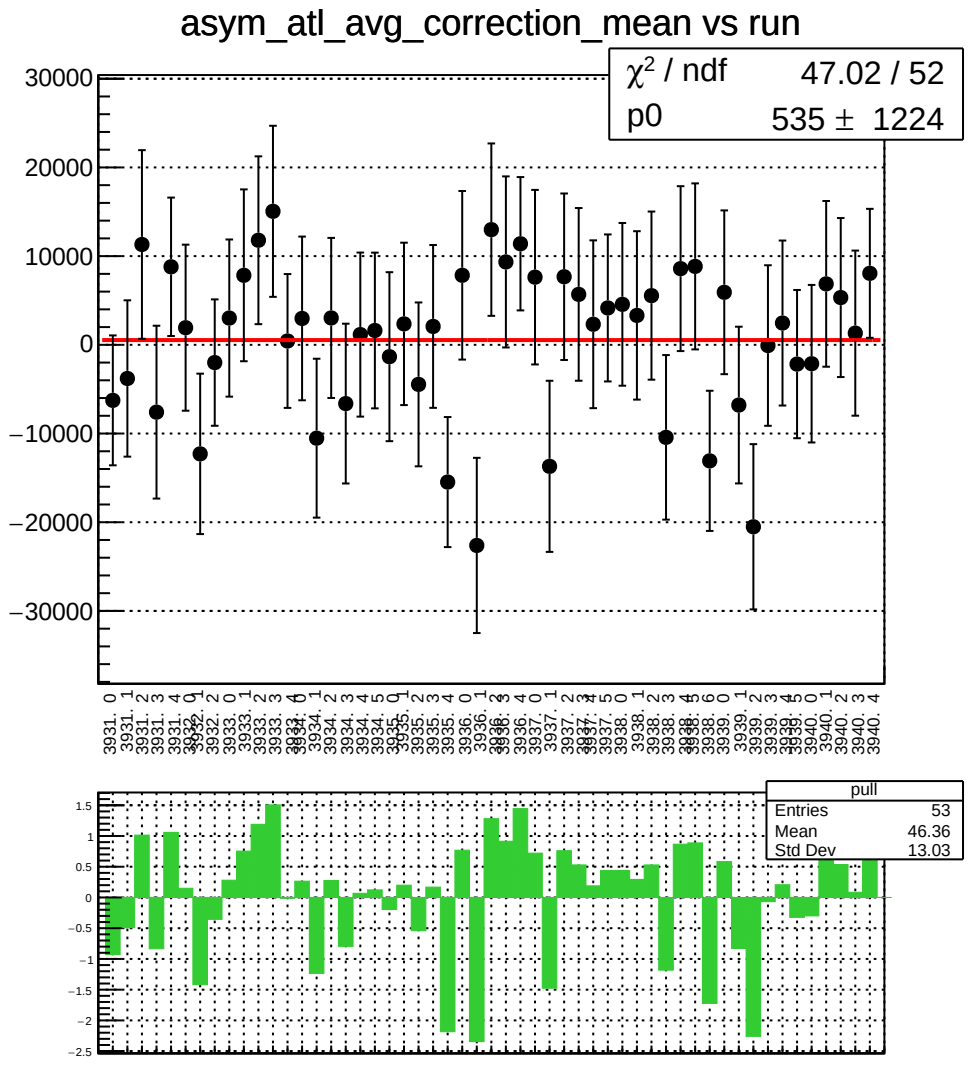

pull1D
Entries 53
Mean −0.02698
Std Dev 0.9362
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

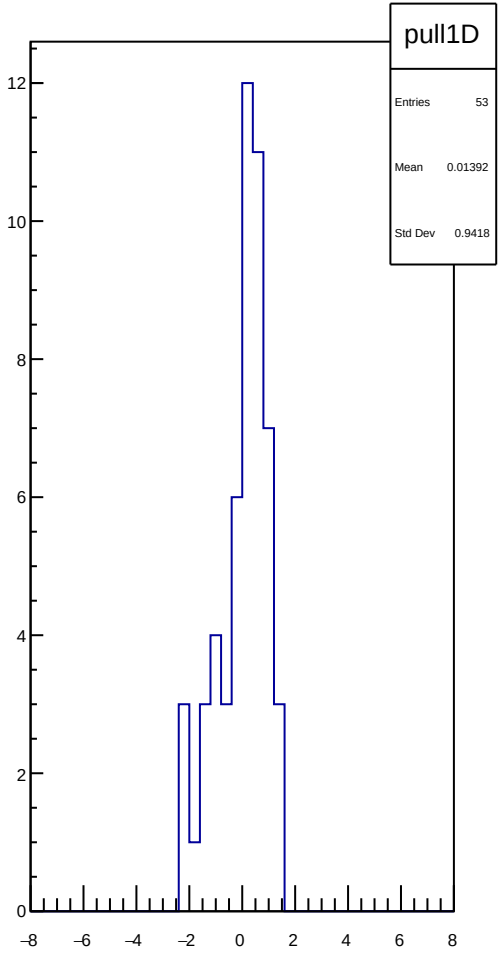

asym_atr2_rms vs run
χ² / ndf 1.217e+04 / 52
p0 2422 ± 2.4
10000
8000
6000
4000
2000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

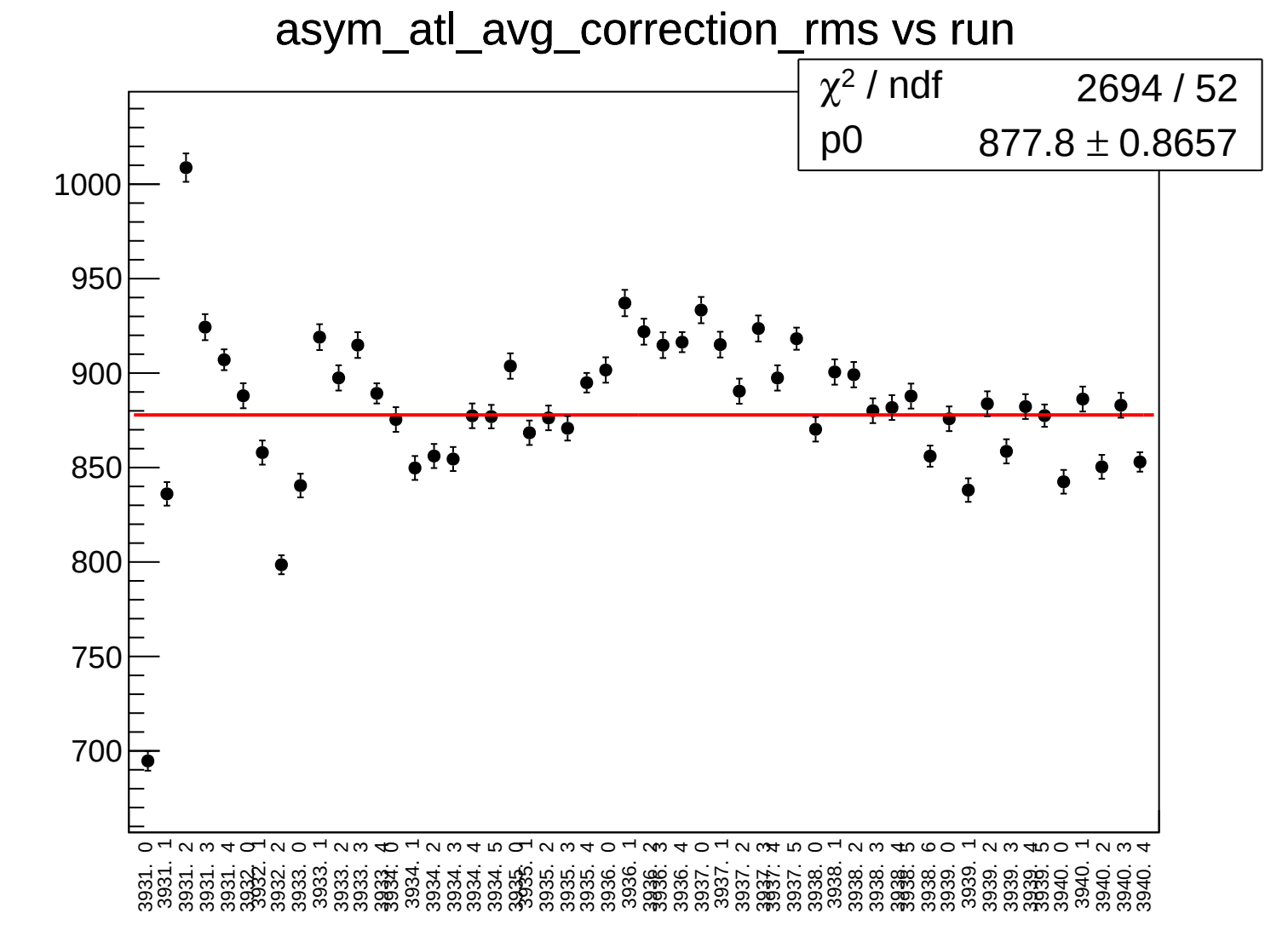

reg_asym_atl_avg_mean vs run
χ² / ndf 53.96 / 52
p0 930.1 ± 413.5
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 12.38
Std Dev 31.93
2
1
0
−1
−2

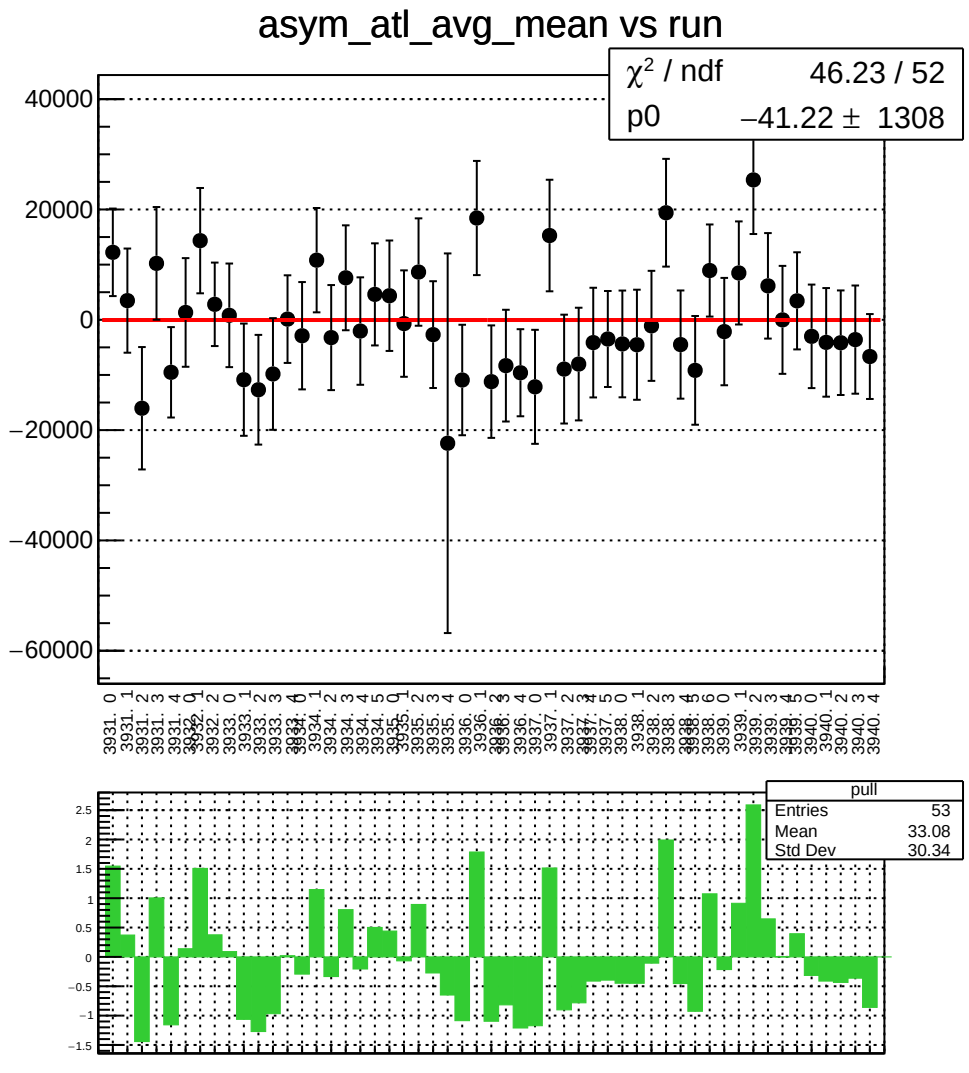

pull1D
Entries 53
Mean −0.01784
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

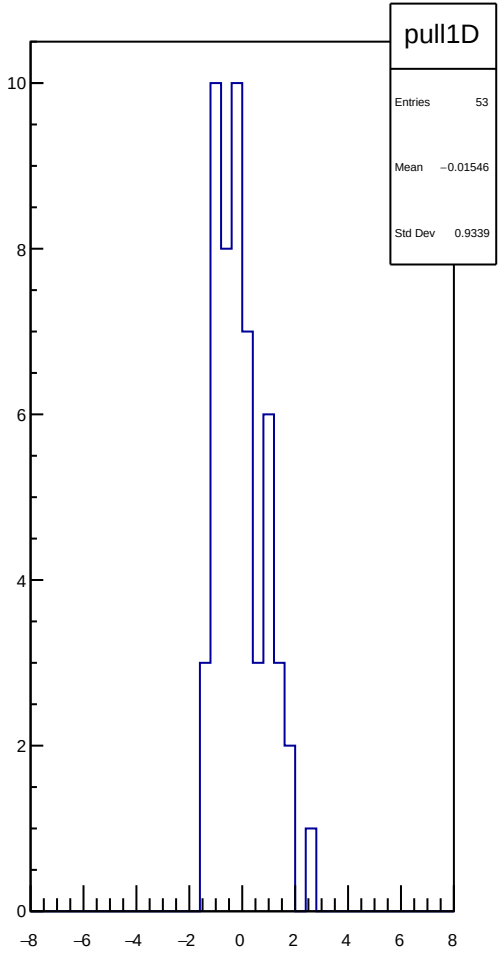

reg_asym_atl_avg_rms vs run
χ² / ndf 2.596e+04 / 52
p0 293.1 ± 0.2924
4500
4000
3500
3000
2500
2000
1500
1000
500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

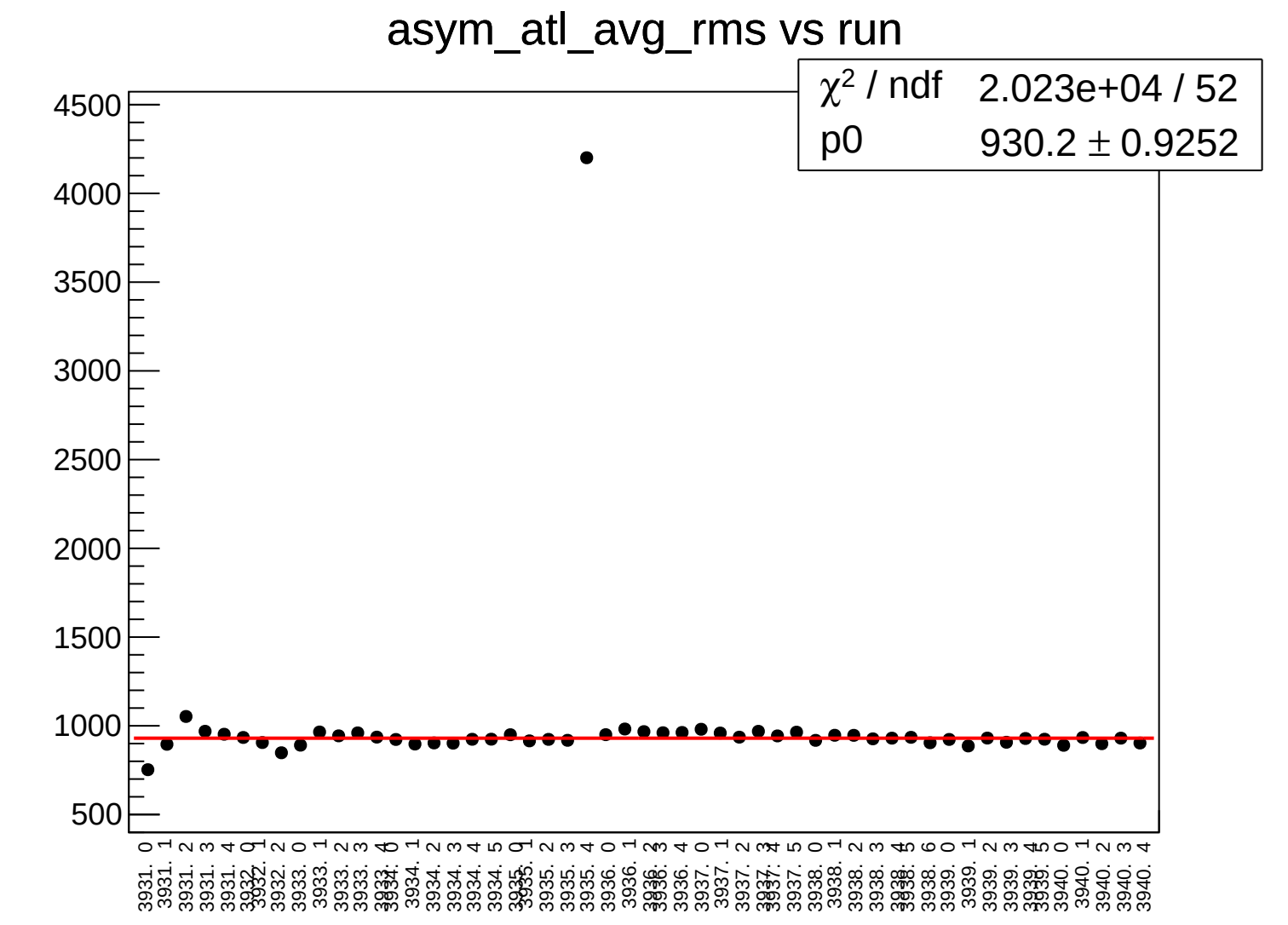

asym_atl_avg_correction_mean vs run
χ² / ndf 47.02 / 52
p0 535 ± 1224
pull
Entries 53
Mean 46.36
Std Dev 13.03


pull1D
Entries 53
Mean 0.01392
Std Dev 0.9418


asym_atl_avg_correction_rms vs run
χ² / ndf 2694 / 52
p0 877.8 ± 0.8657
1000
950
900
850
800
750
700


asym_atl_avg_mean vs run
χ² / ndf 46.23 / 52
p0 −41.22 ± 1308
pull
Entries 53
Mean 33.08
Std Dev 30.34


pull1D
Entries 53
Mean −0.01546
Std Dev 0.9339


asym_atl_avg_rms vs run
χ² / ndf 2.023e+04 / 52
p0 930.2 ± 0.9252
4500
4000
3500
3000
2500
2000
1500
1000
500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
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3939. 1
3939. 2
3939. 3
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3940. 1
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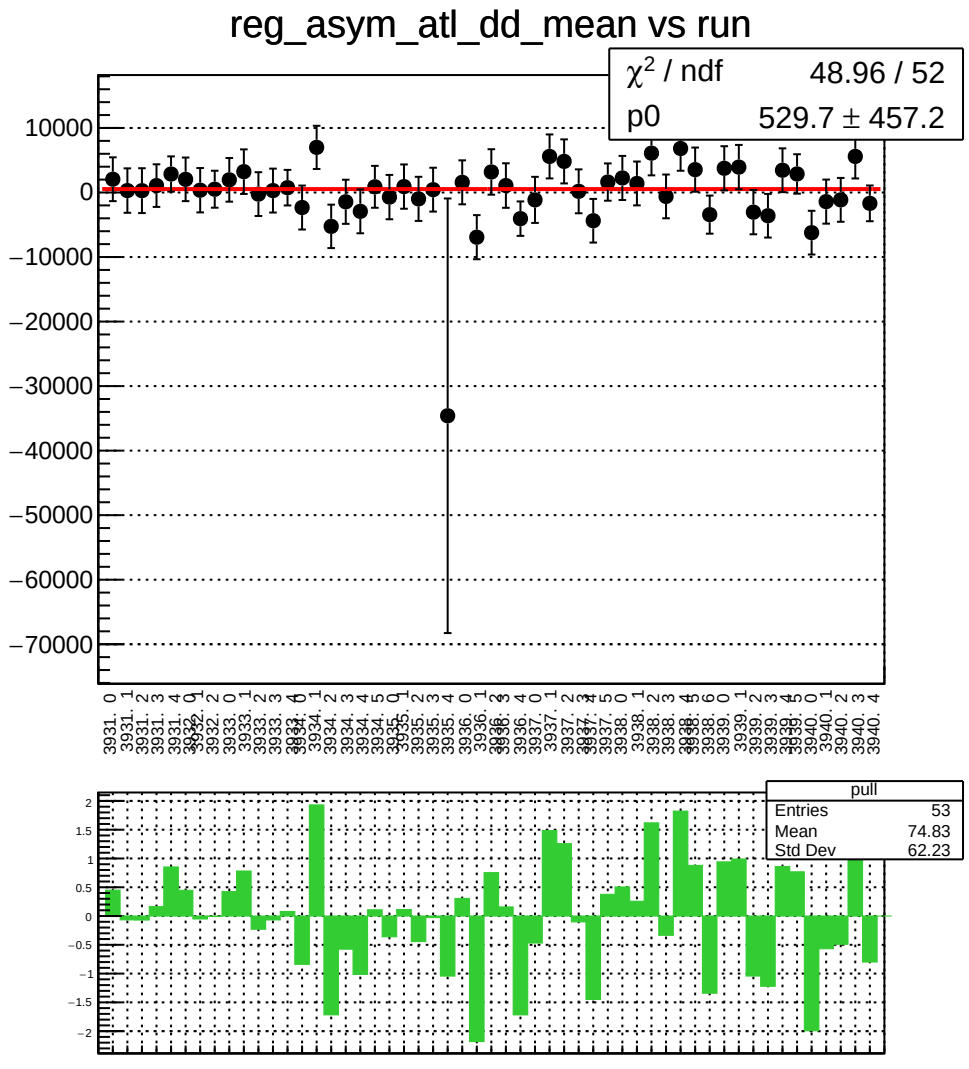
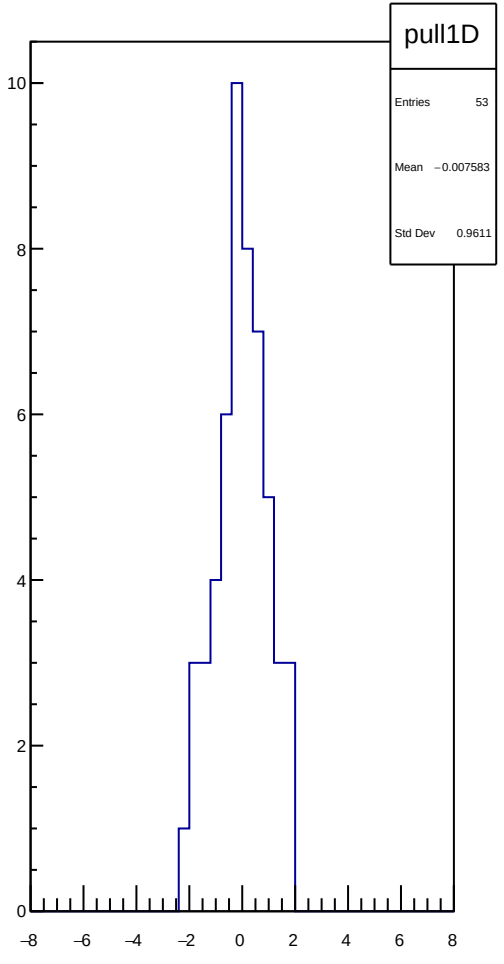
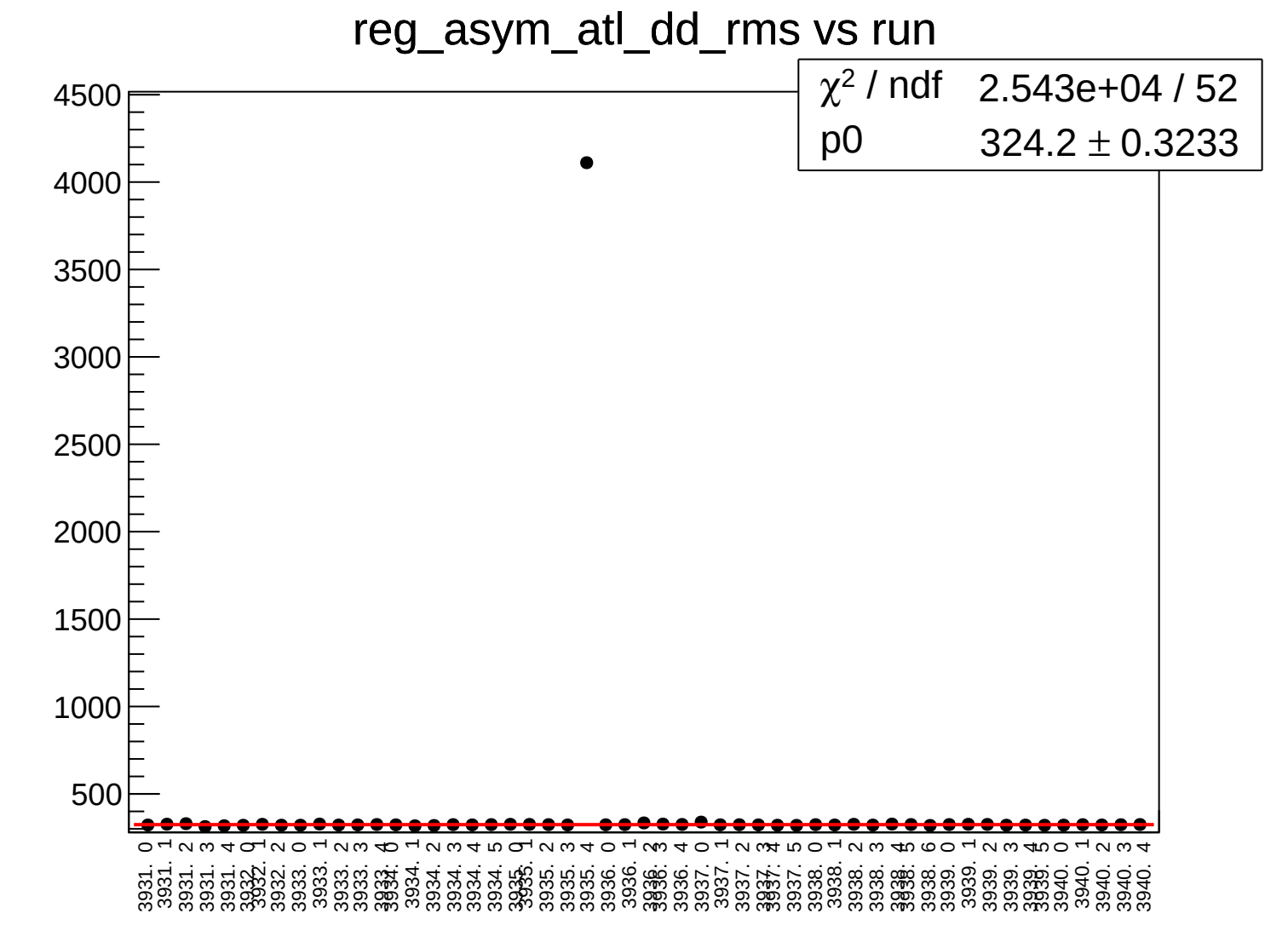
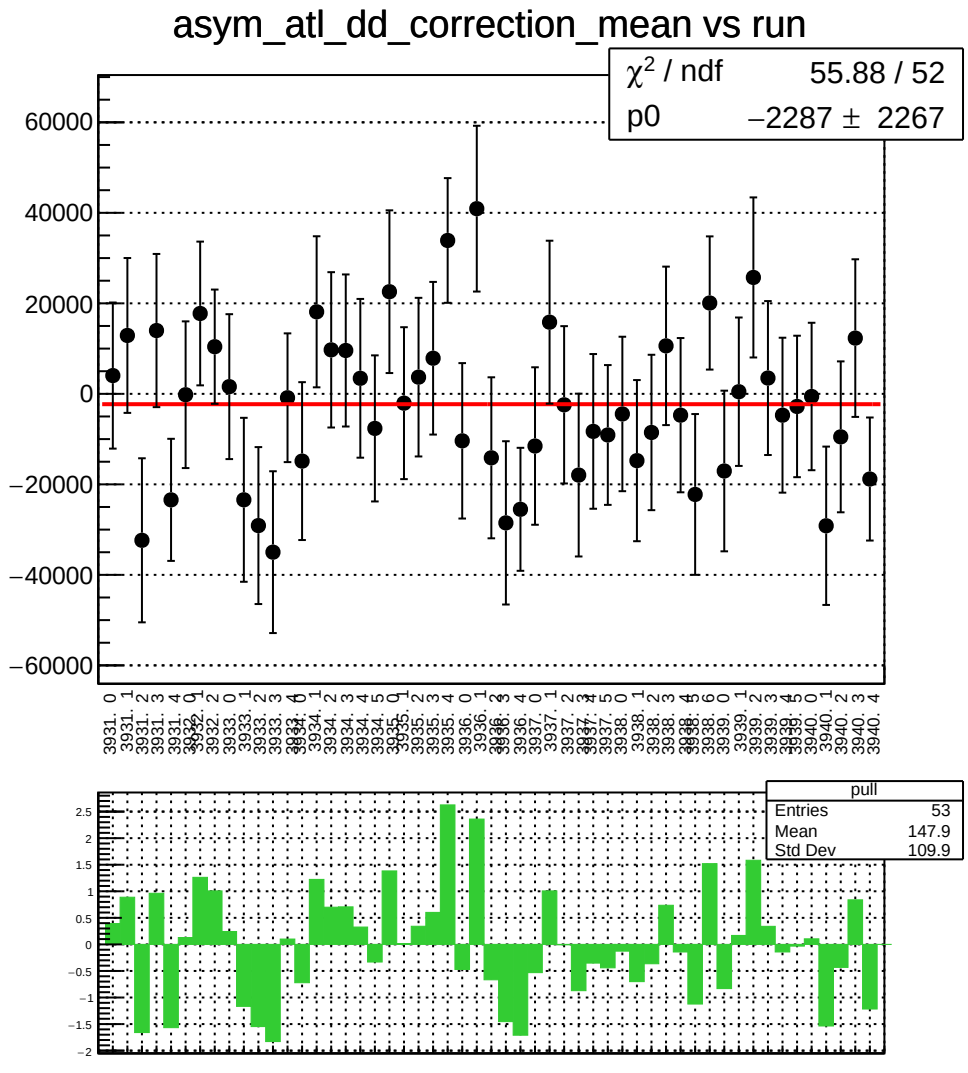
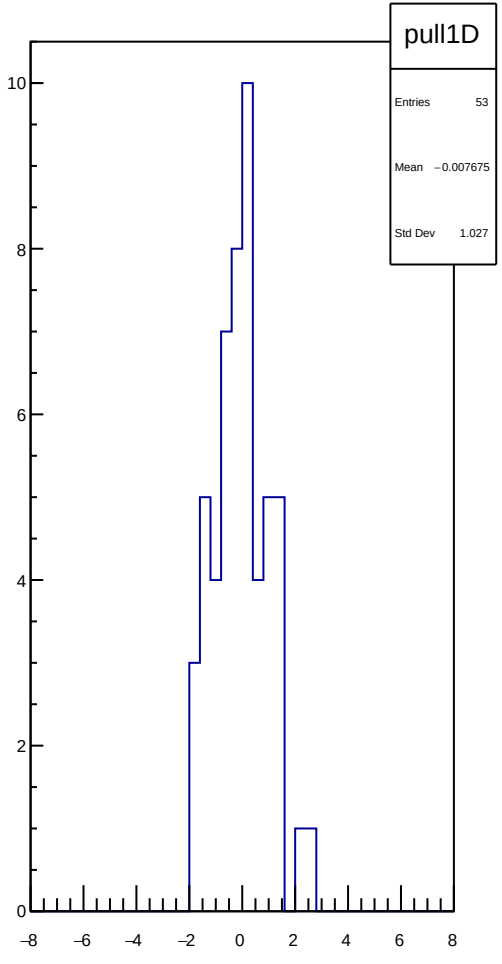
3940. 3
3940. 4

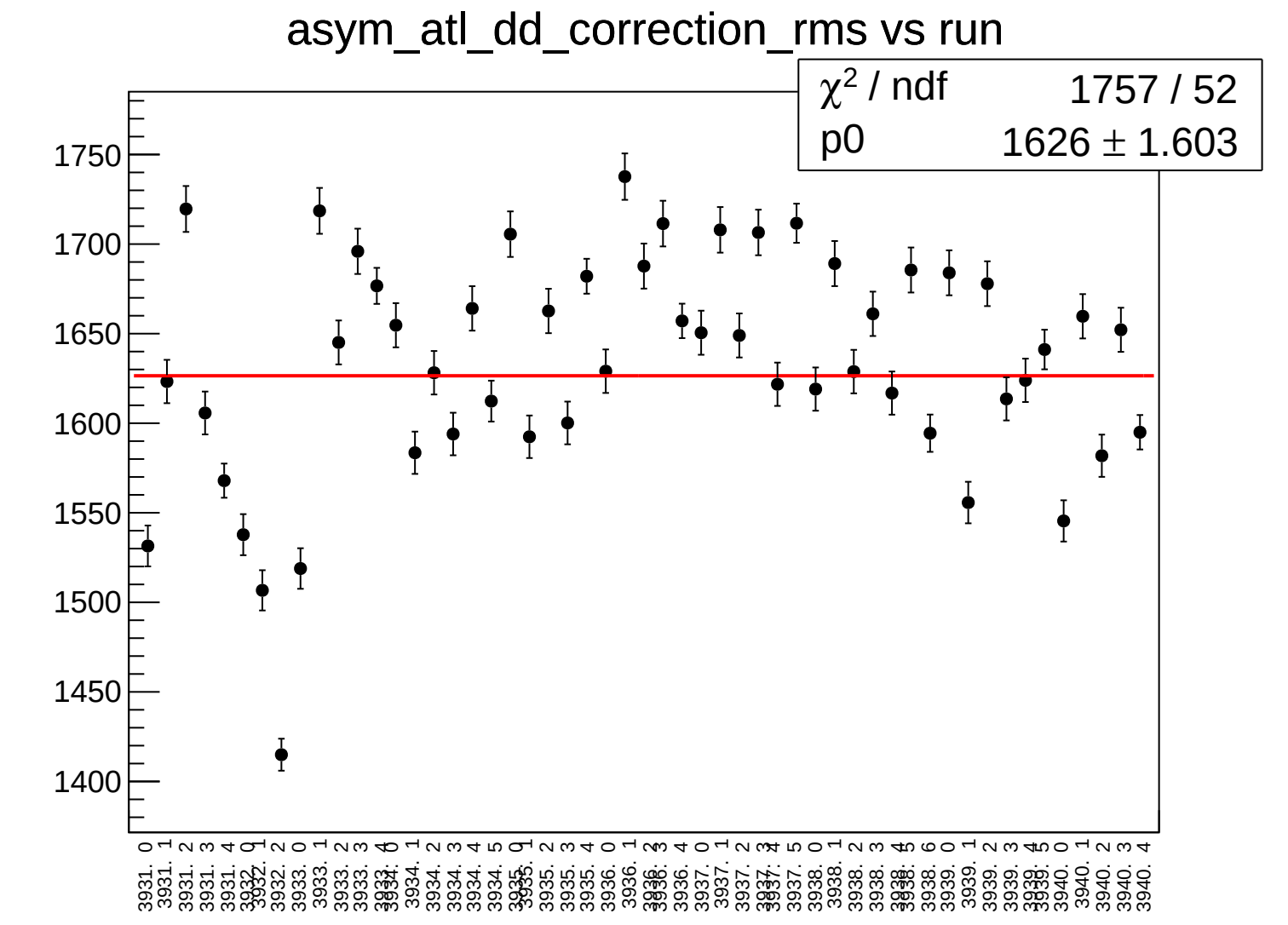

reg_asym_atl_dd_mean vs run
χ² / ndf 48.96 / 52
p0 529.7 ± 457.2
pull
Entries 53
Mean 74.83
Std Dev 62.23

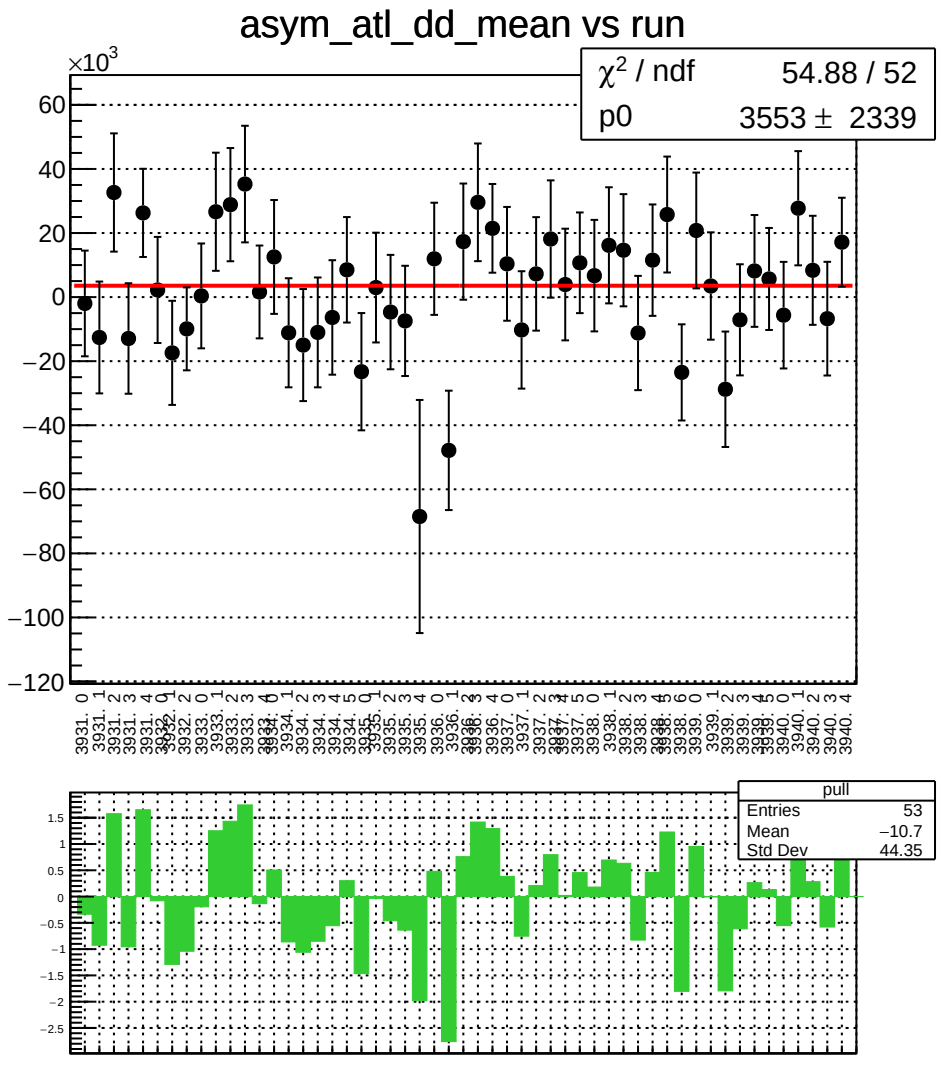

pull1D
Entries 53
Mean −0.007583
Std Dev 0.9611

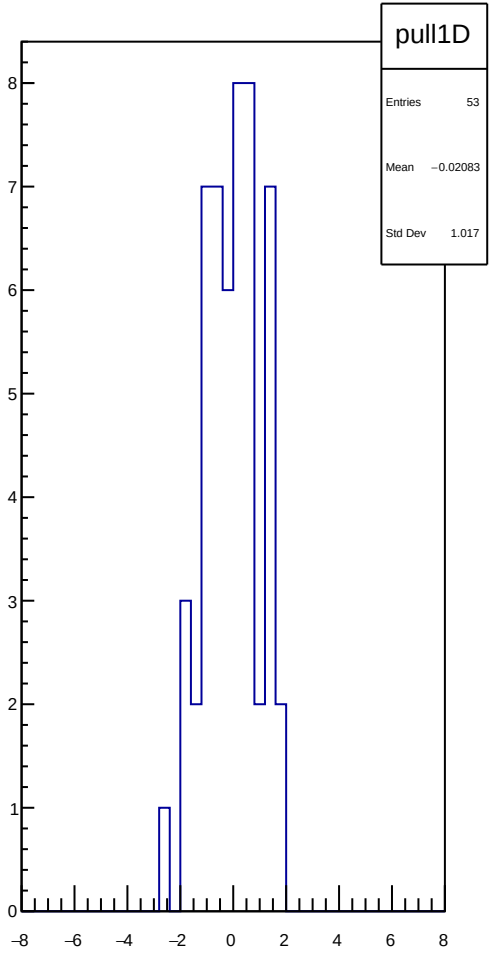

reg_asym_atl_dd_rms vs run
χ² / ndf 2.543e+04 / 52
p0 324.2 ± 0.3233
4500
4000
3500
3000
2500
2000
1500
1000
500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

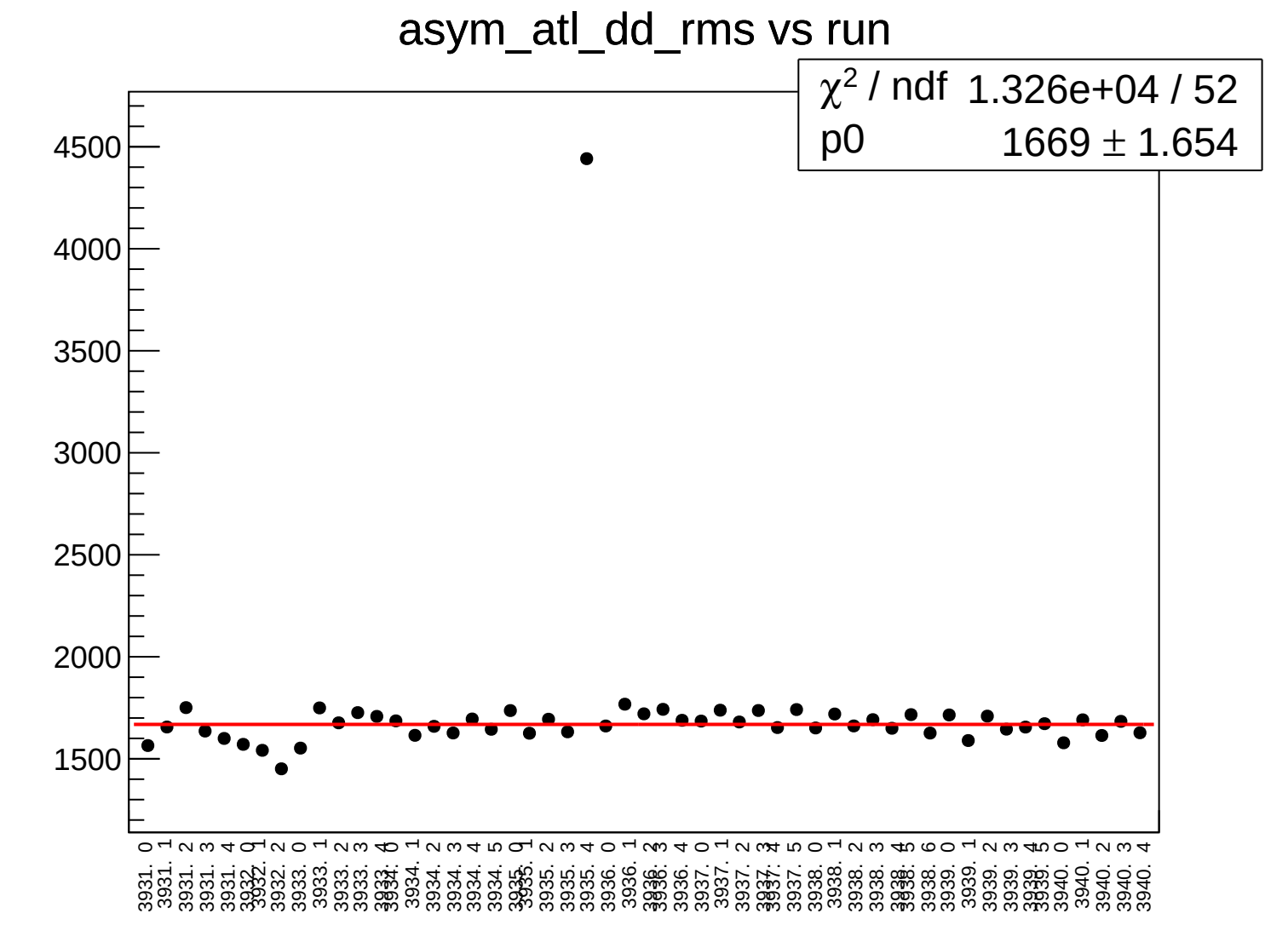

asym_atl_dd_correction_mean vs run
χ² / ndf 55.88 / 52
p0 −2287 ± 2267
pull
Entries 53
Mean 147.9
Std Dev 109.9

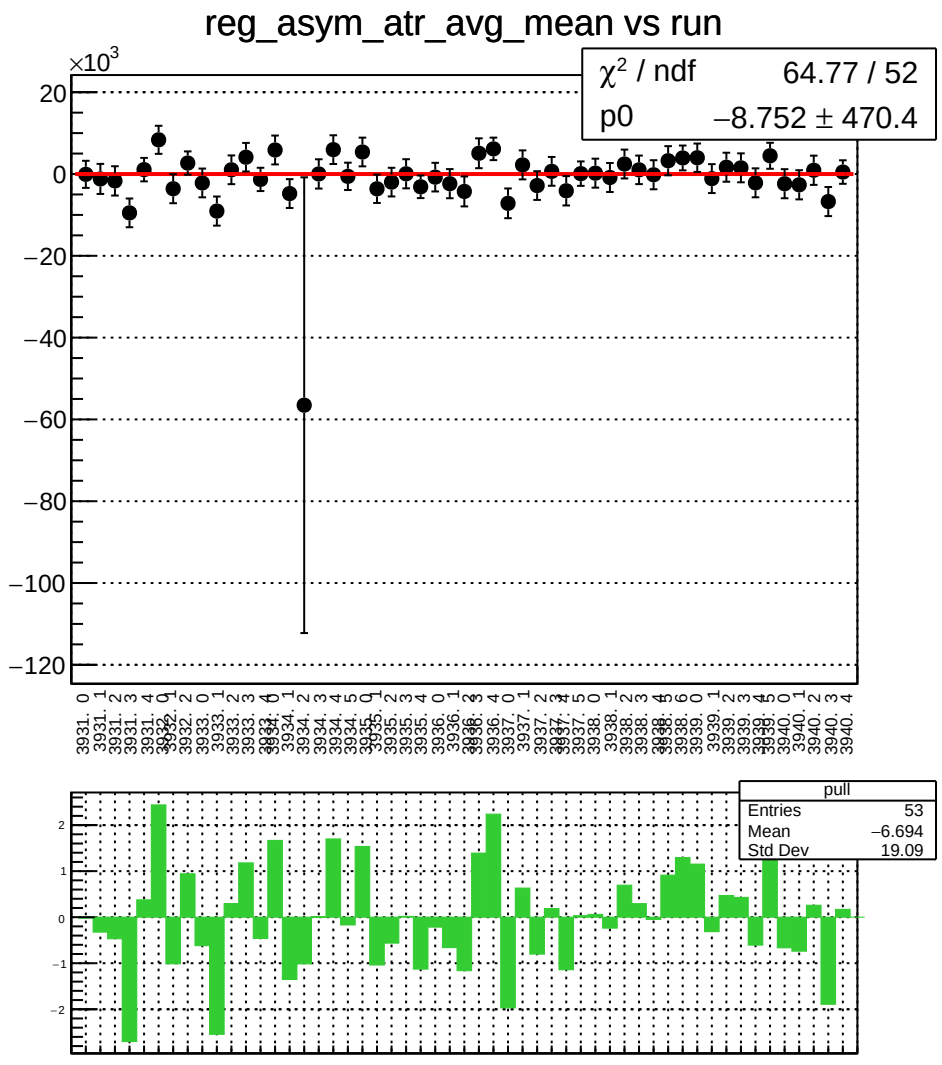

pull1D
Entries 53
Mean −0.007675
Std Dev 1.027

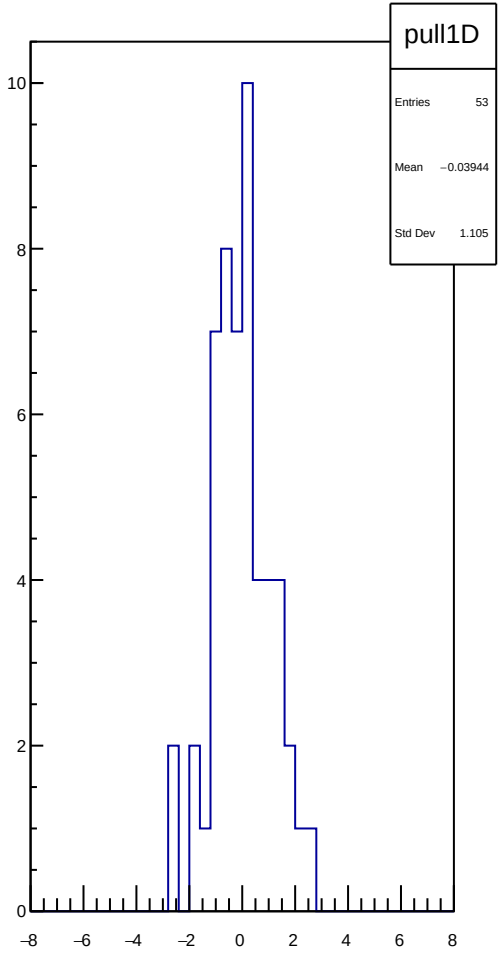

asym_atl_dd_correction_rms vs run
χ² / ndf 1757 / 52
p0 1626 ± 1.603
1750
1700
1650
1600
1550
1500
1450
1400
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

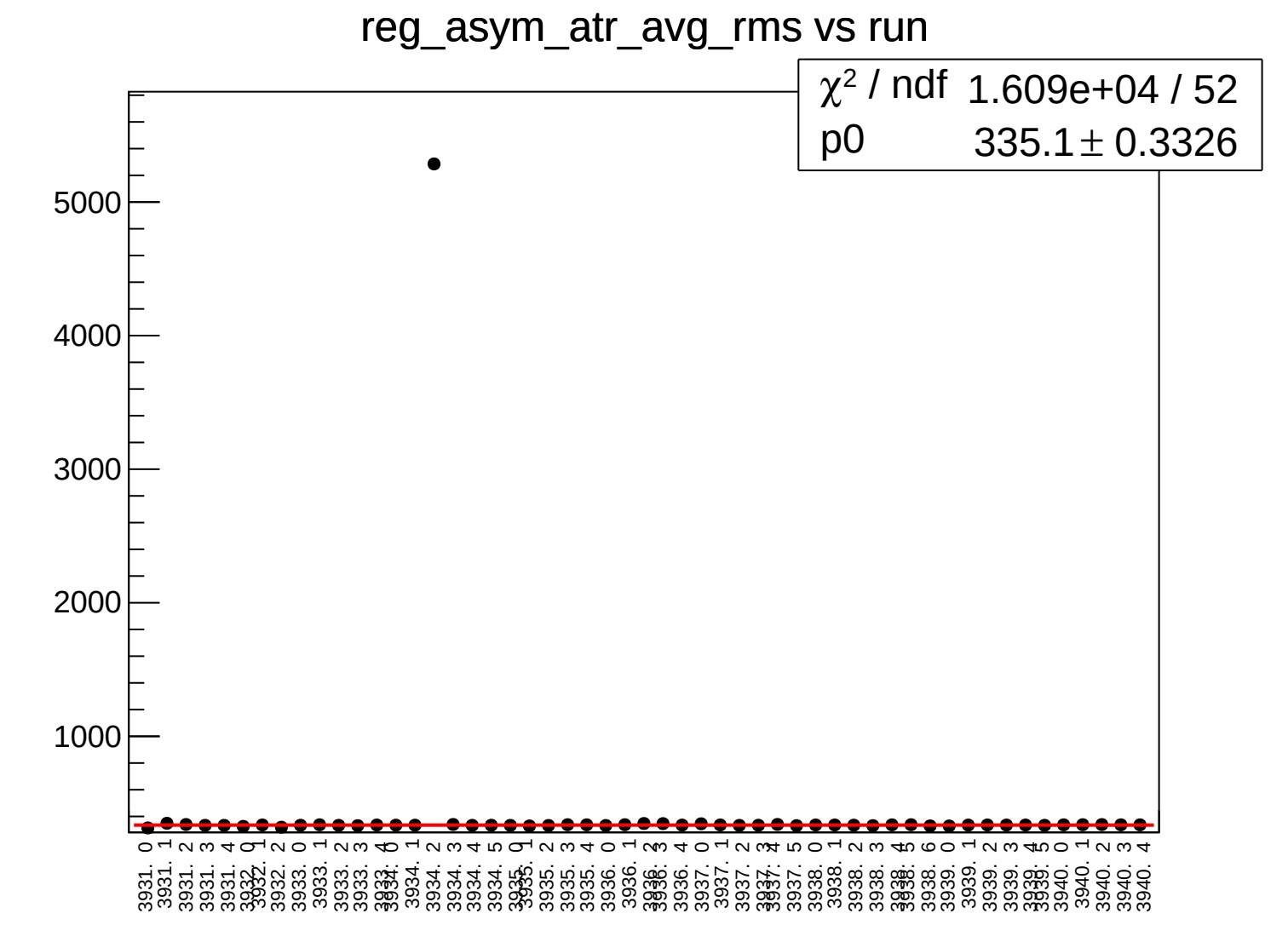

asym_atl_dd_mean vs run
×10^3
χ² / ndf 54.88 / 52
p0 3553 ± 2339
pull
Entries 53
Mean −10.7
Std Dev 44.35

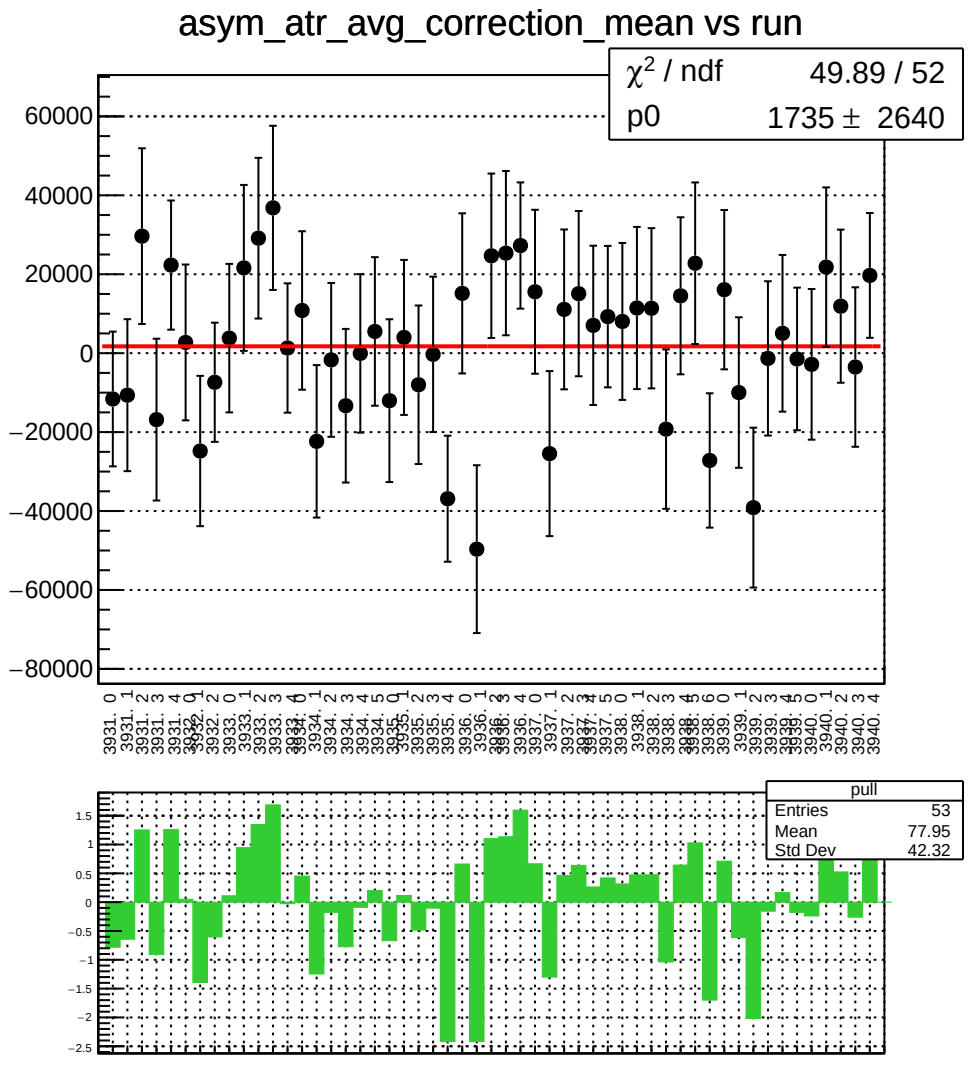

pull1D
Entries 53
Mean −0.02083
Std Dev 1.017

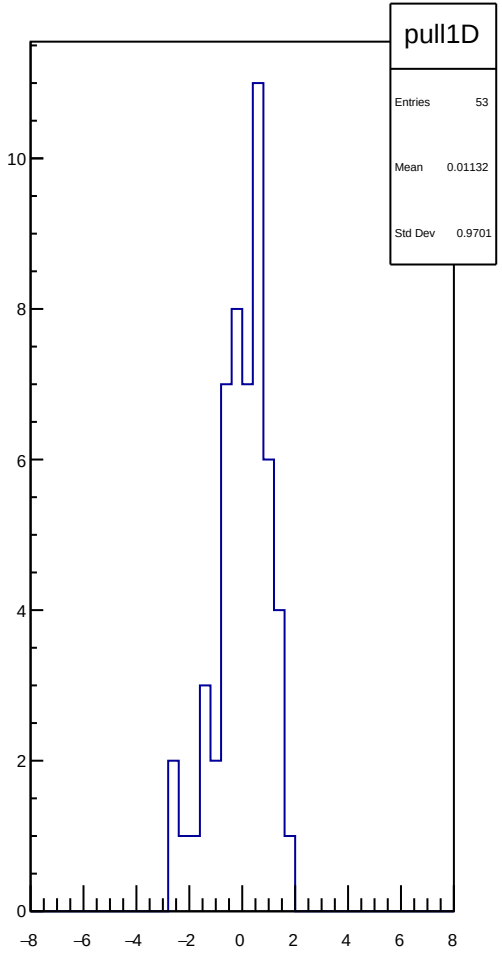

asym_atl_dd_rms vs run
χ² / ndf 1.326e+04 / 52
p0 1669 ± 1.654
4500
4000
3500
3000
2500
2000
1500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

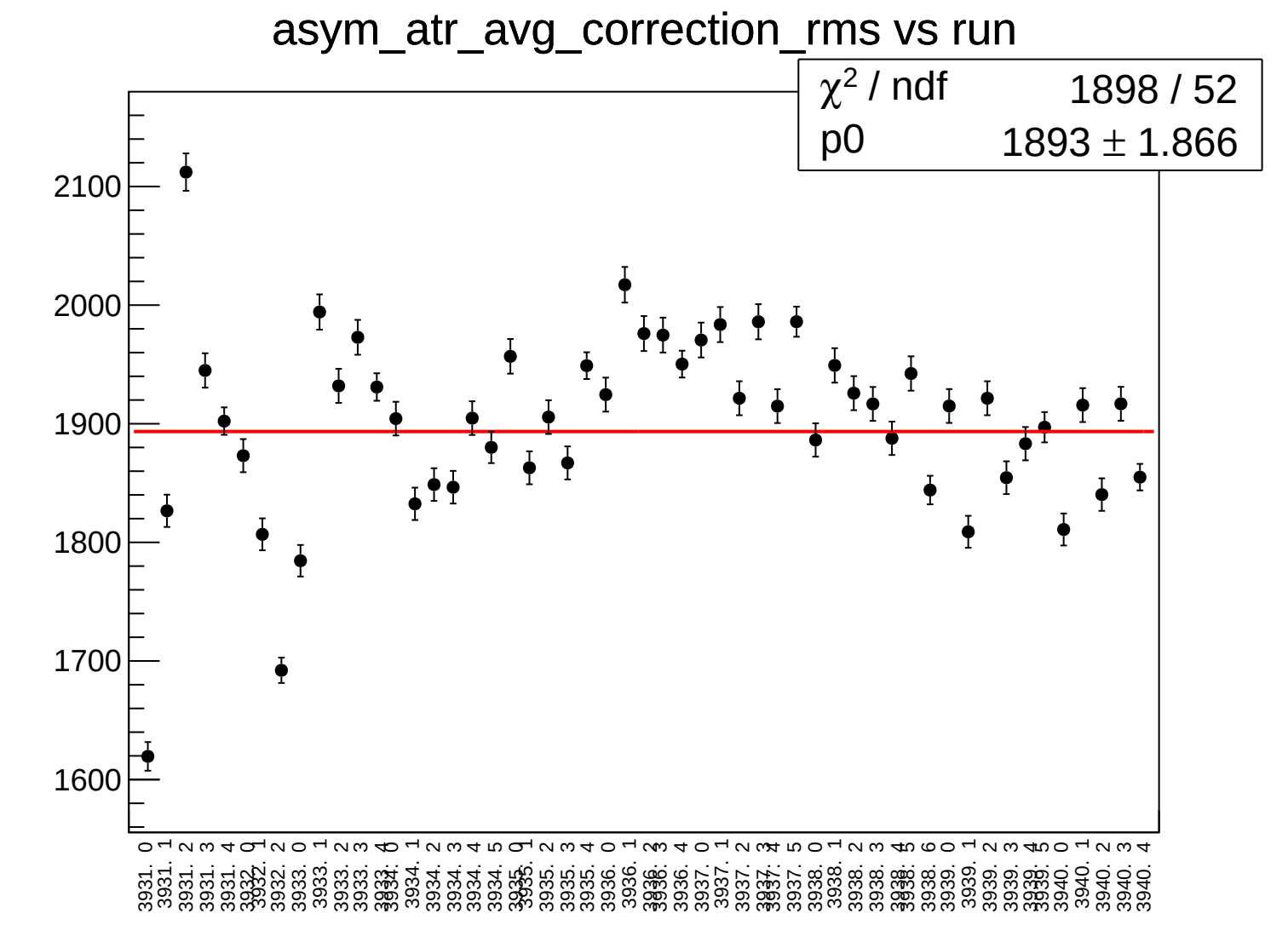

reg_asym_atr_avg_mean vs run
×10^3
χ² / ndf 64.77 / 52
p0 −8.752 ± 470.4
pull
Entries 53
Mean −6.694
Std Dev 19.09

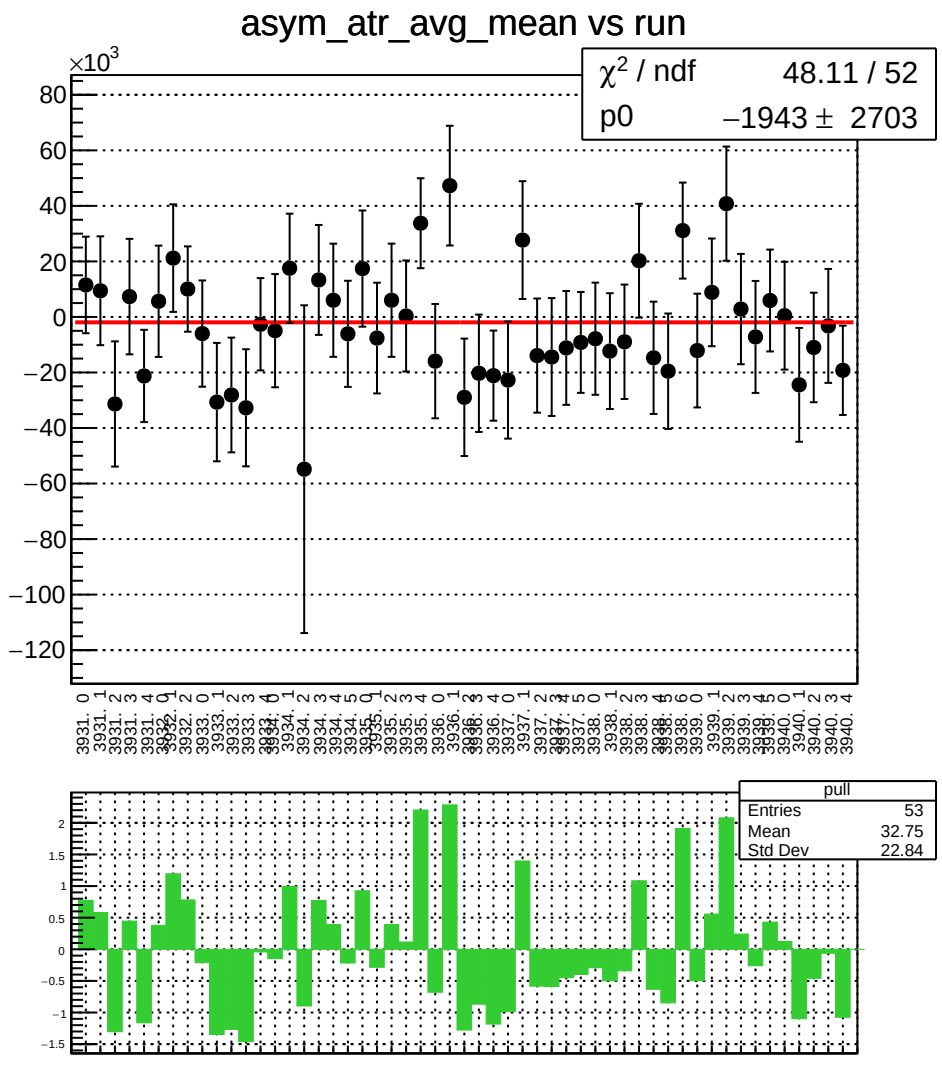

pull1D
Entries 53
Mean −0.03944
Std Dev 1.105

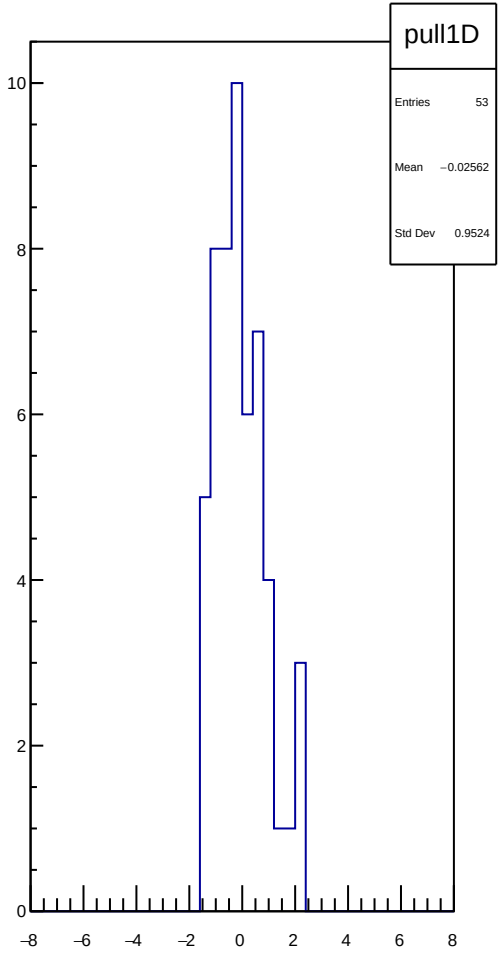

reg_asym_atr_avg_rms vs run
χ² / ndf 1.609e+04 / 52
p0 335.1 ± 0.3326
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

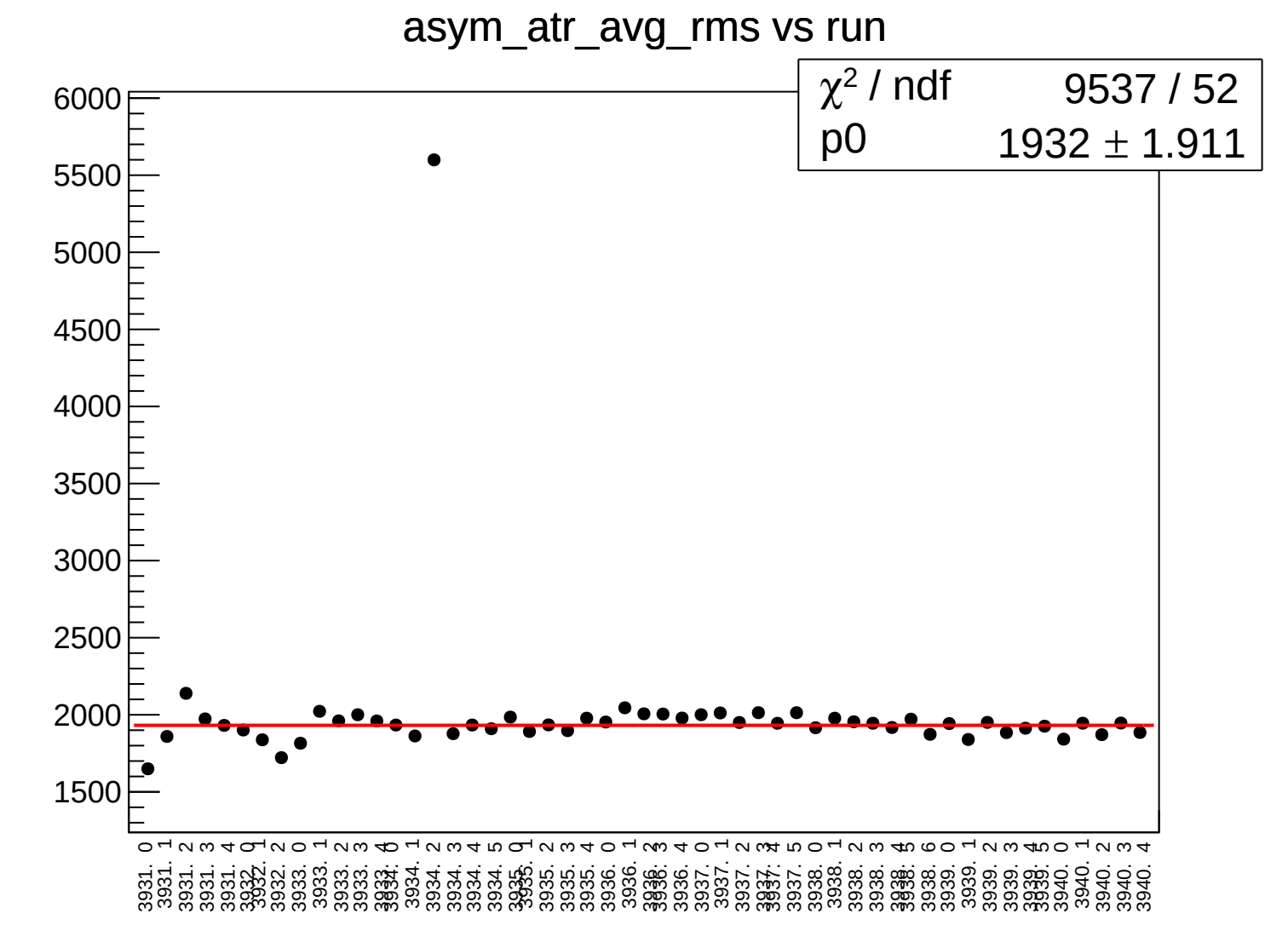

asym_atr_avg_correction_mean vs run
χ² / ndf 49.89 / 52
p0 1735 ± 2640
pull
Entries 53
Mean 77.95
Std Dev 42.32

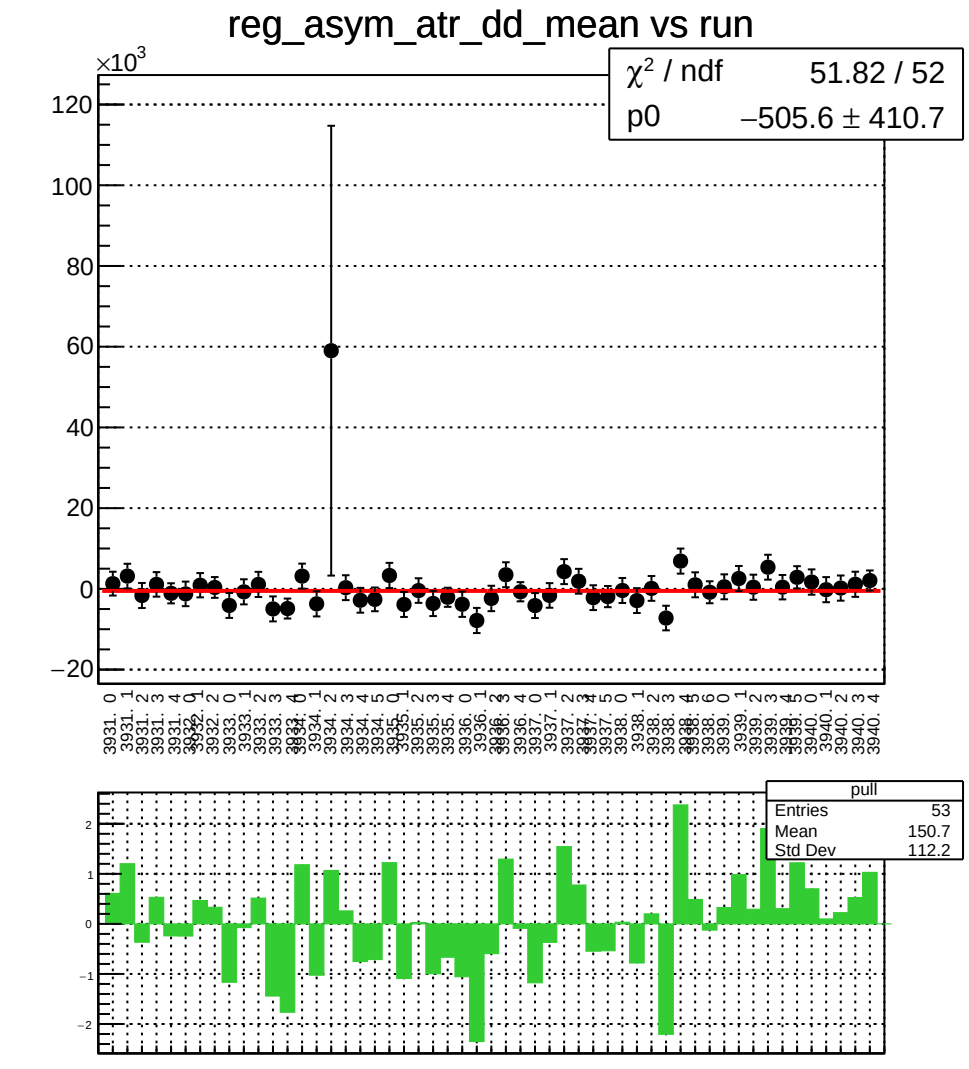

pull1D
Entries 53
Mean 0.01132
Std Dev 0.9701

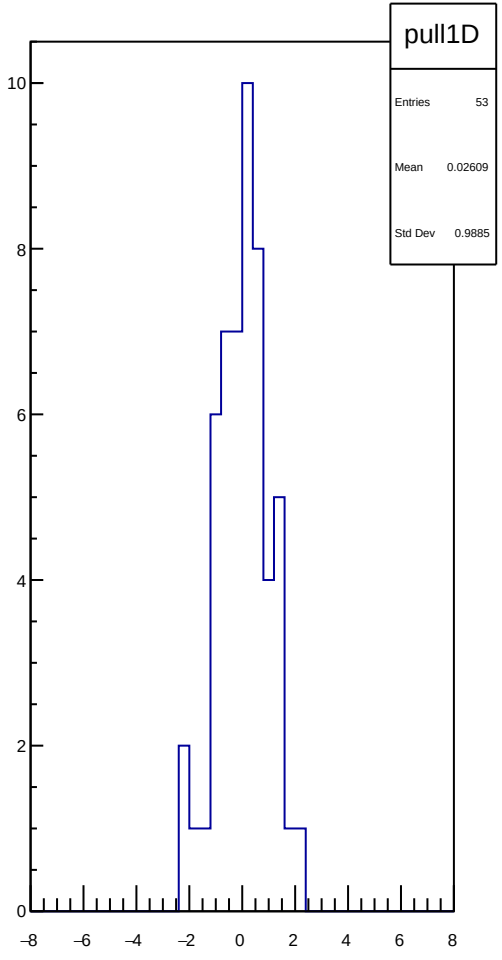

asym_atr_avg_correction_rms vs run
χ² / ndf 1898 / 52
p0 1893 ± 1.866
2100
2000
1900
1800
1700
1600
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

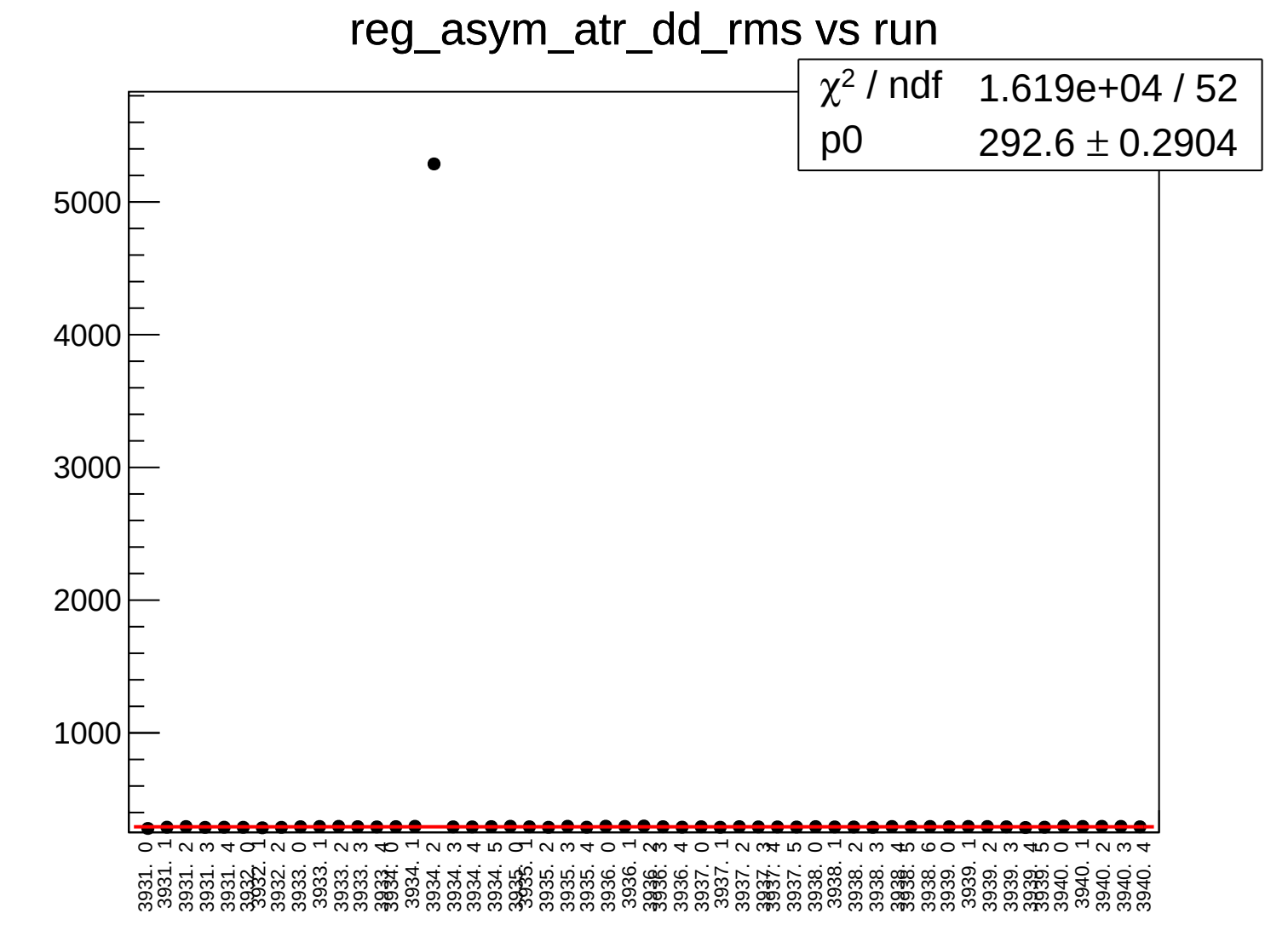

asym_atr_avg_mean vs run
χ² / ndf 48.11 / 52
p0 −1943 ± 2703
pull
Entries 53
Mean 32.75
Std Dev 22.84

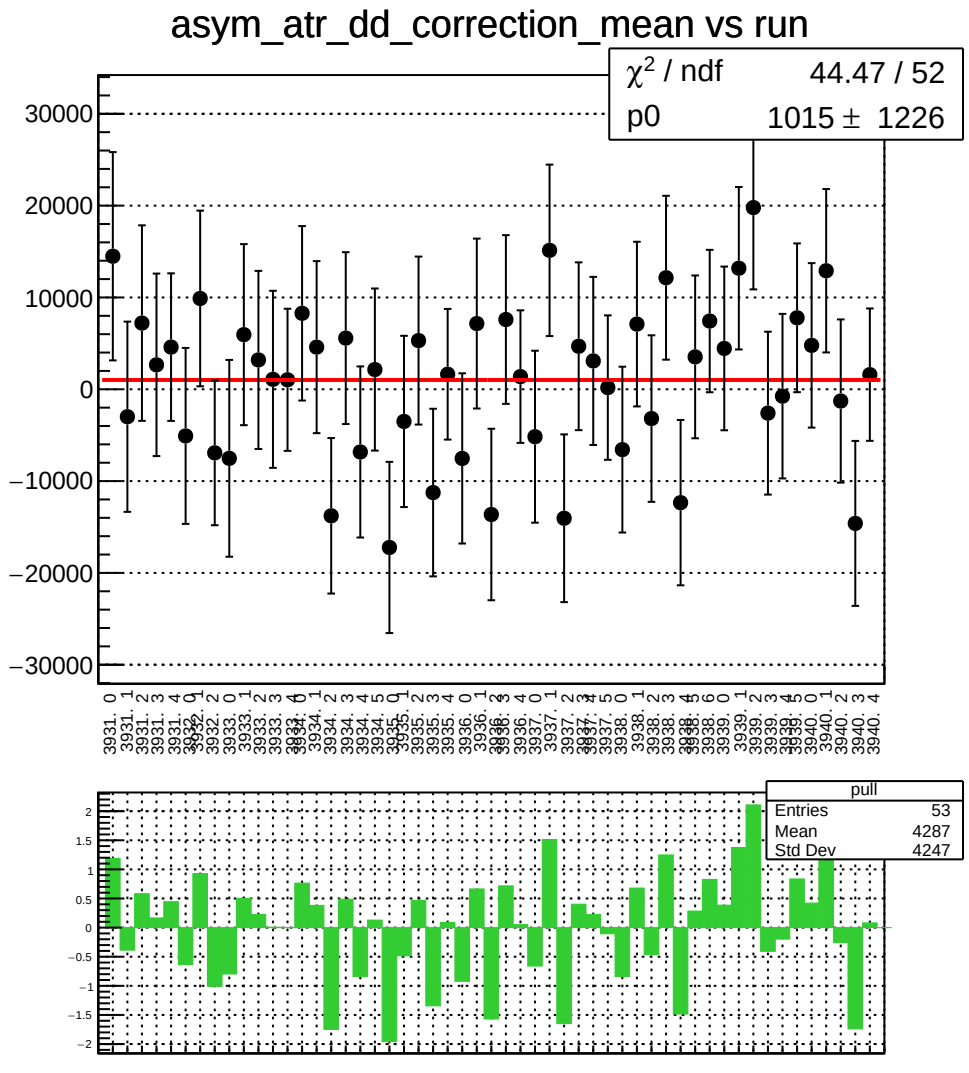

pull1D
Entries 53
Mean −0.02562
Std Dev 0.9524

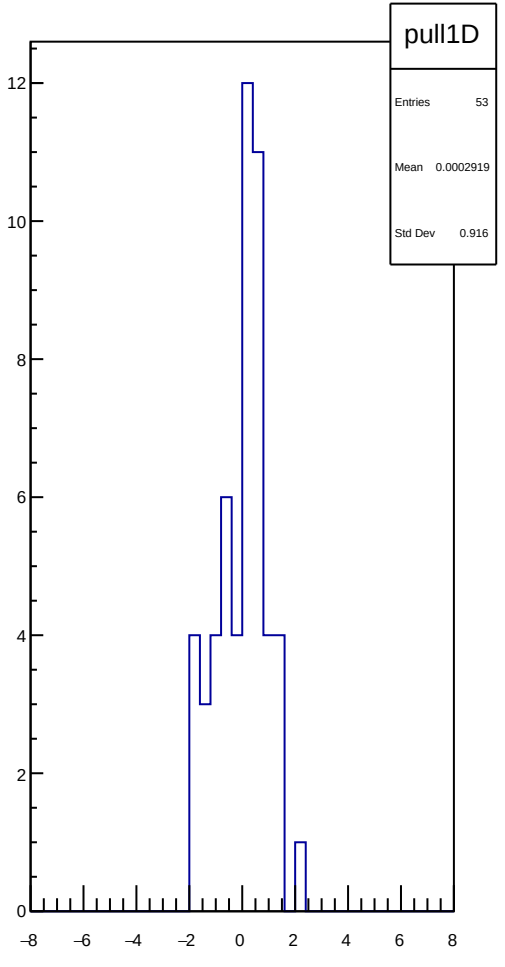

asym_atr_avg_rms vs run
χ² / ndf 9537 / 52
p0 1932 ± 1.911
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

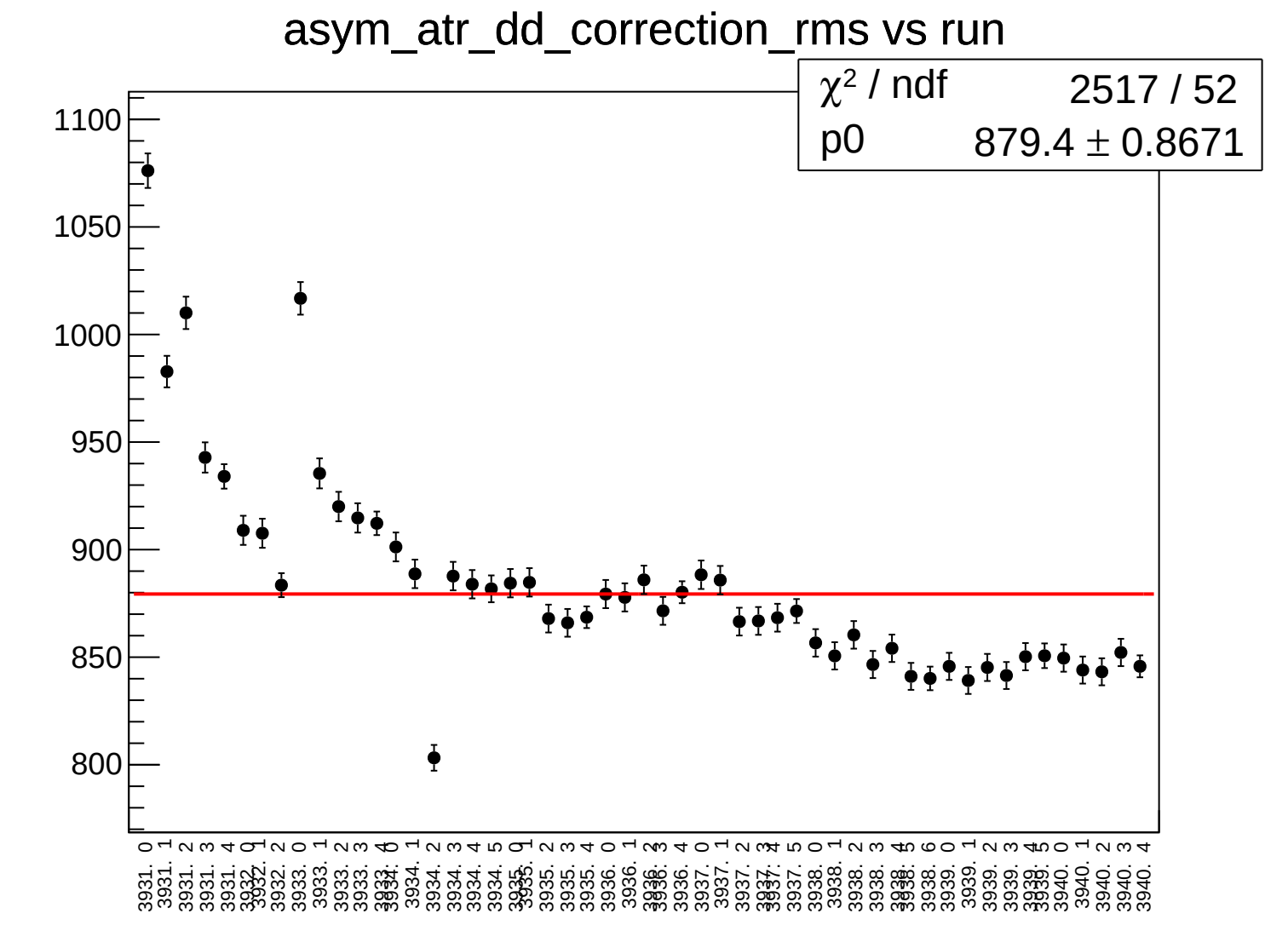

reg_asym_atr_dd_mean vs run
×10^3
χ² / ndf 51.82 / 52
p0 −505.6 ± 410.7
120
100
80
60
40
20
0
−20
pull
Entries 53
Mean 150.7
Std Dev 112.2
2
1
0
−1
−2

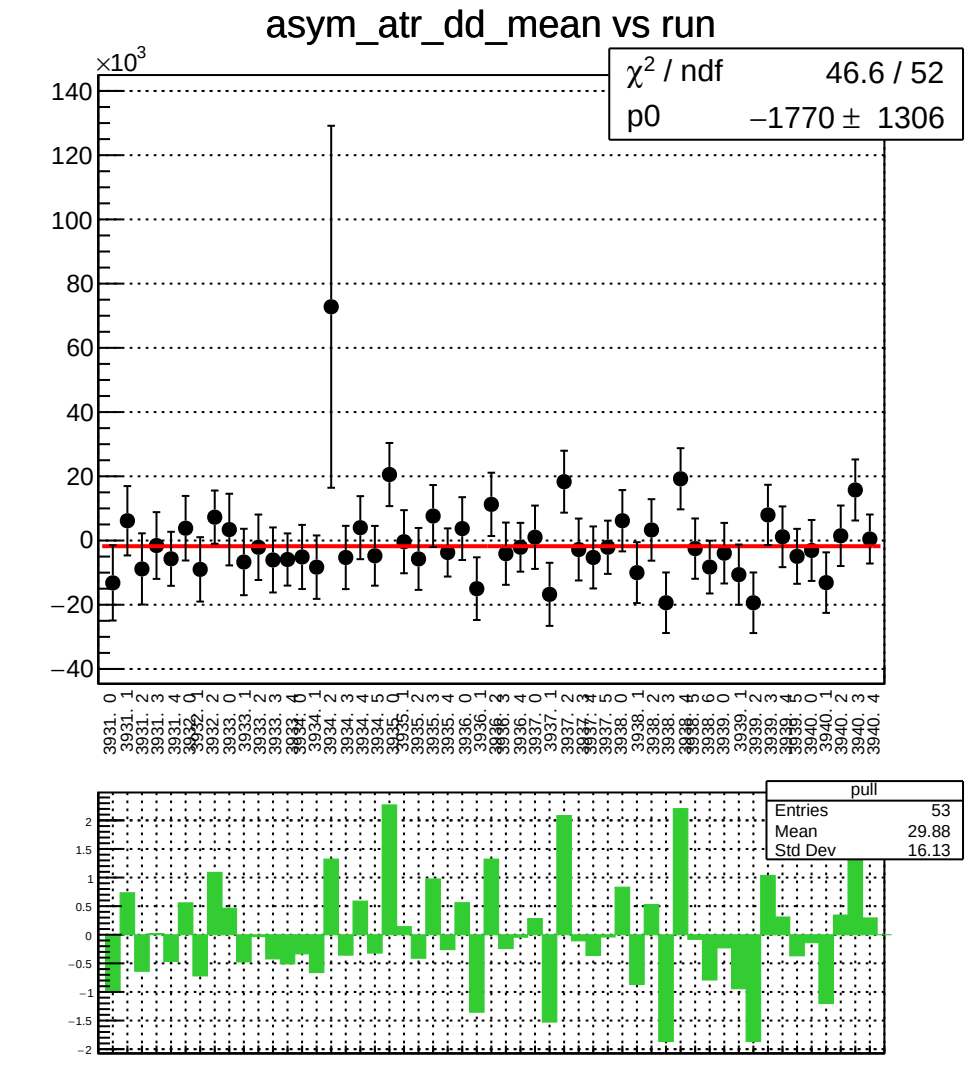

pull1D
Entries 53
Mean 0.02609
Std Dev 0.9885
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

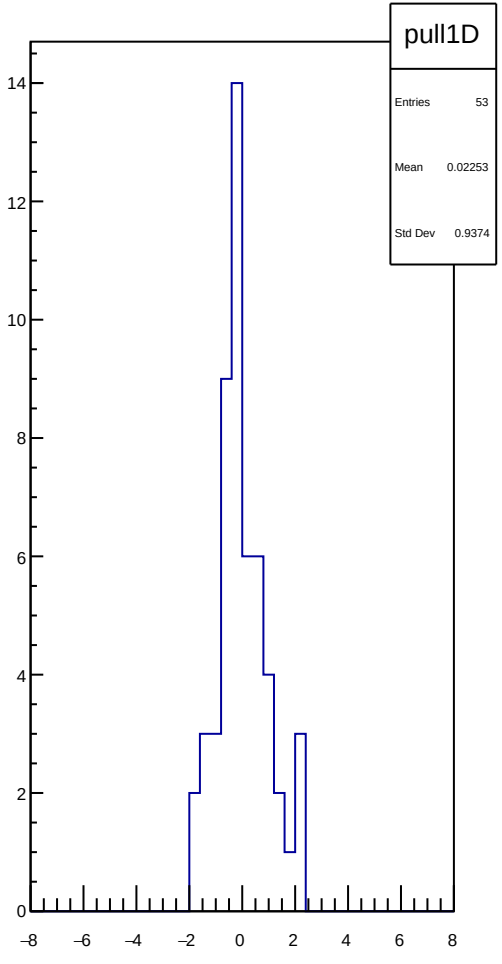

reg_asym_atr_dd_rms vs run
χ² / ndf 1.619e+04 / 52
p0 292.6 ± 0.2904
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

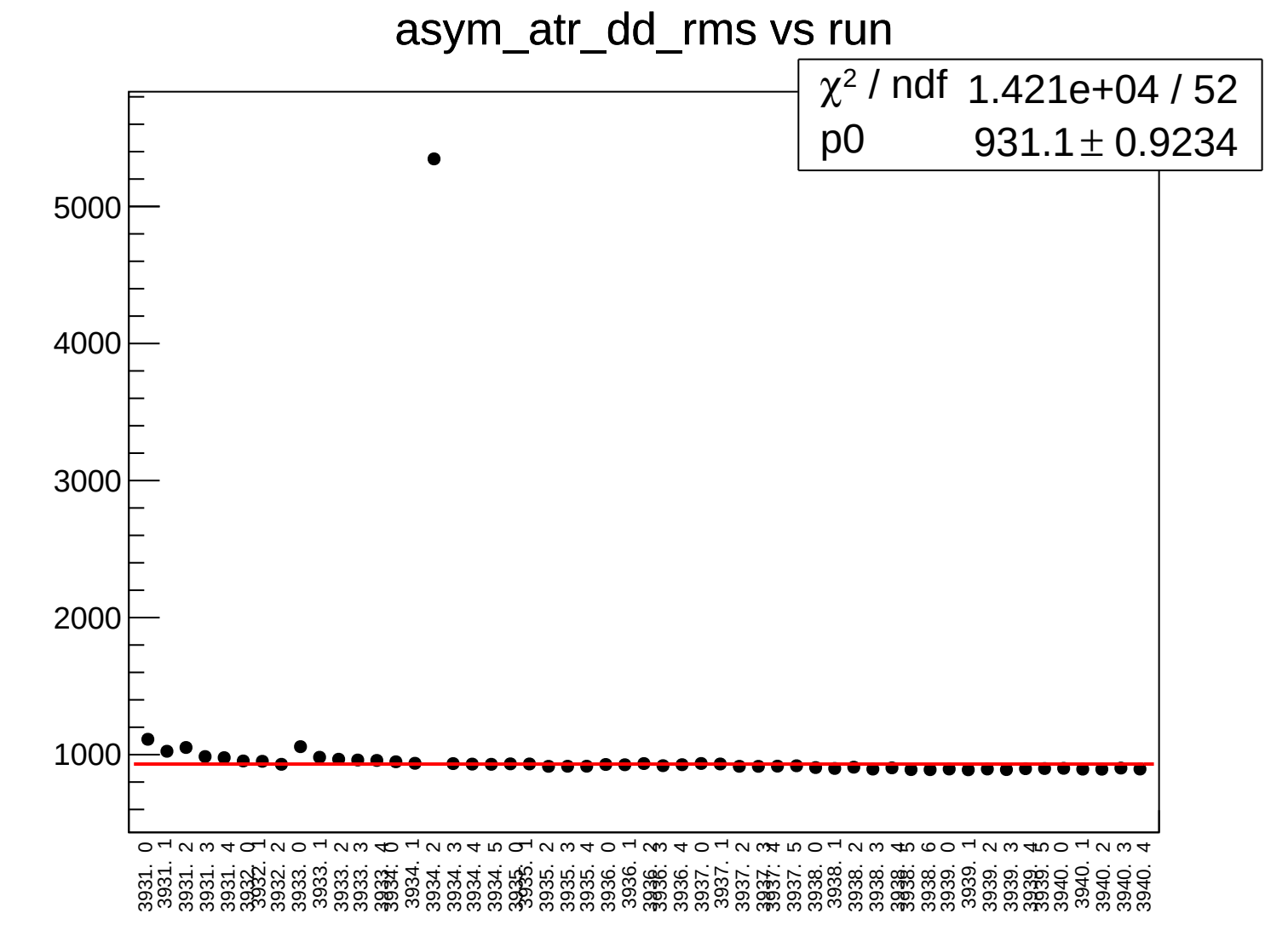

asym_atr_dd_correction_mean vs run
χ² / ndf 44.47 / 52
p0 1015 ± 1226
pull
Entries 53
Mean 4287
Std Dev 4247


pull1D
Entries 53
Mean 0.0002919
Std Dev 0.916


asym_atr_dd_correction_rms vs run
χ² / ndf 2517 / 52
p0 879.4 ± 0.8671
1100
1050
1000
950
900
850
800
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_atr_dd_mean vs run
×10^3
χ² / ndf 46.6 / 52
p0 −1770 ± 1306
pull
Entries 53
Mean 29.88
Std Dev 16.13


pull1D
Entries 53
Mean 0.02253
Std Dev 0.9374


asym_atr_dd_rms vs run
χ² / ndf 1.421e+04 / 52
p0 931.1 ± 0.9234
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
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3938. 2
3938. 3
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3938. 5
3938. 6
3939. 0
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3939. 3
3939. 4
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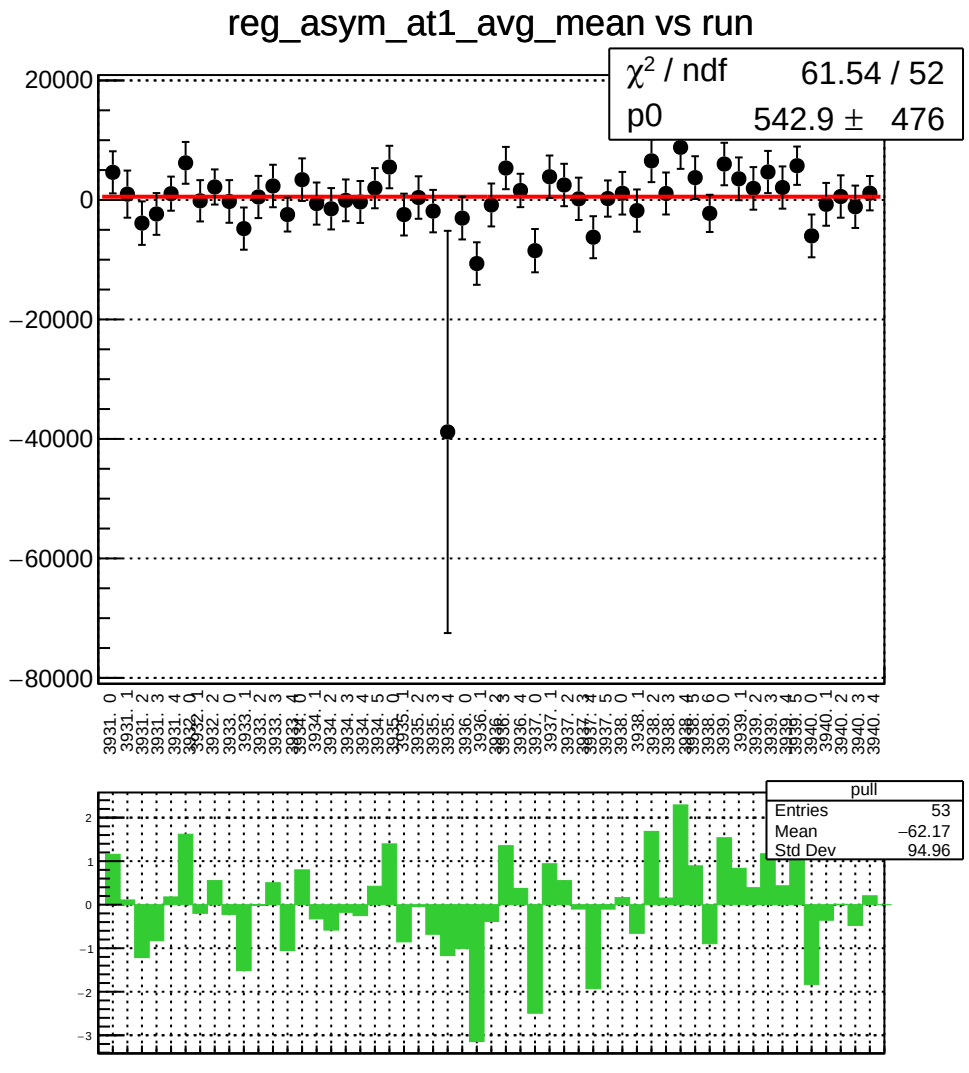
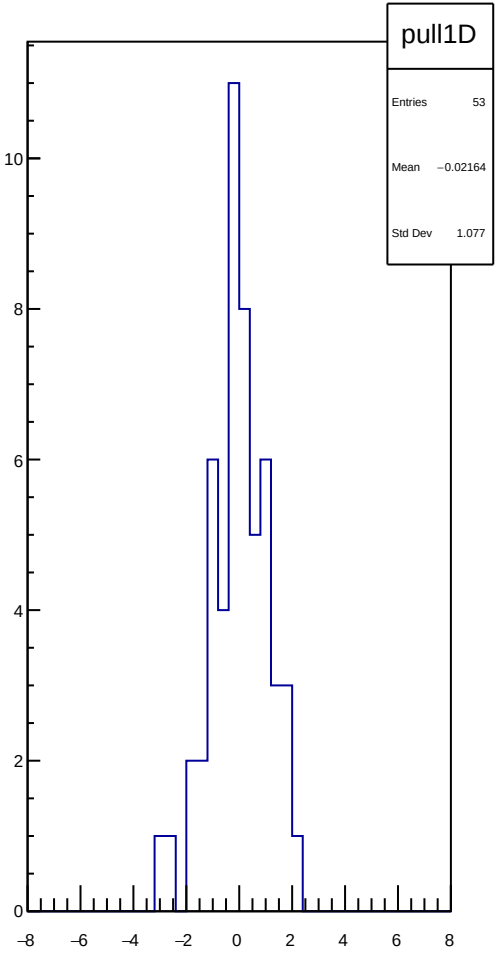
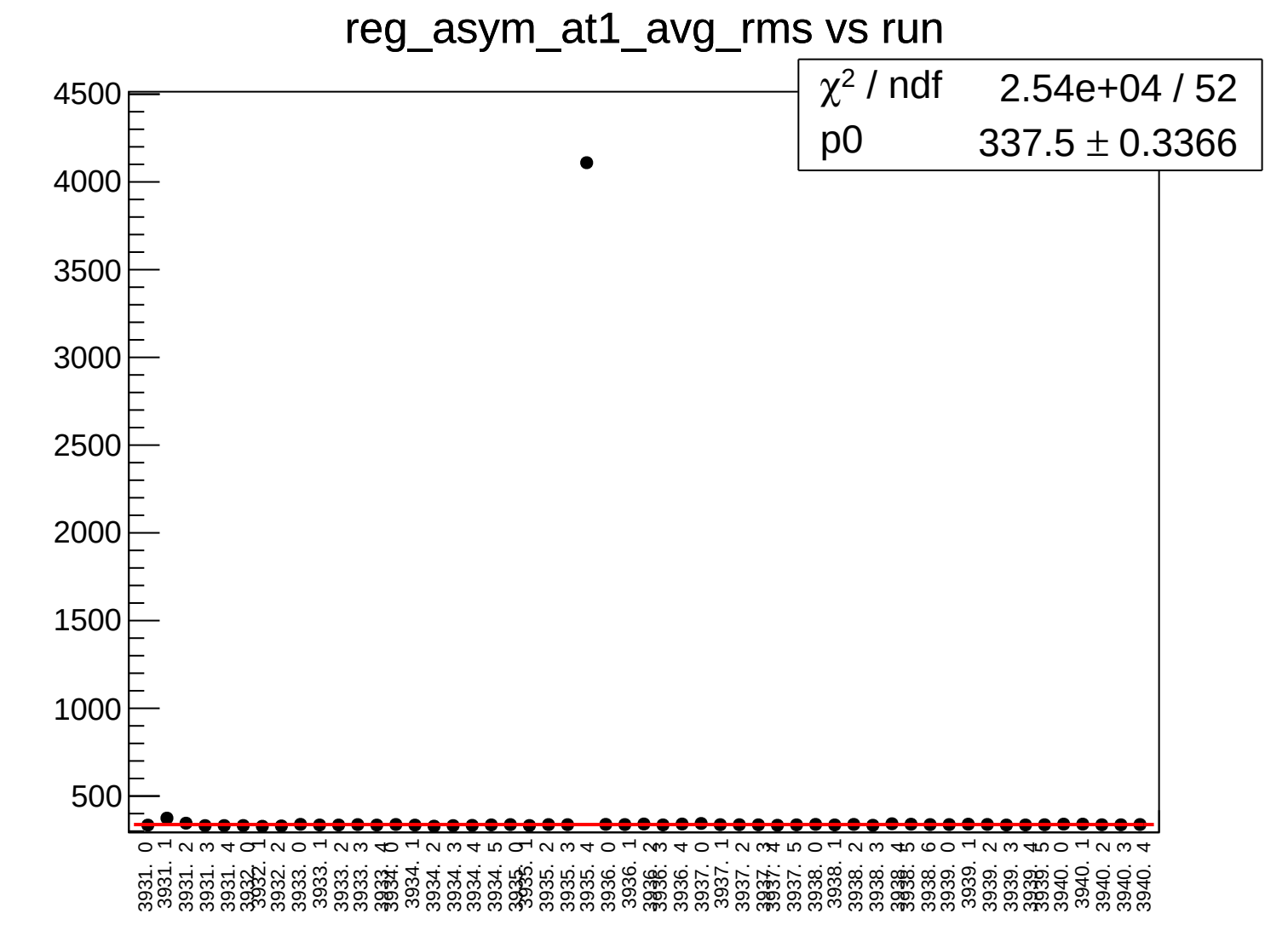
3940. 4


reg_asym_at1_avg_mean vs run
χ² / ndf 61.54 / 52
p0 542.9 ± 476
pull
Entries 53
Mean −62.17
Std Dev 94.96


pull1D
Entries 53
Mean −0.02164
Std Dev 1.077


reg_asym_at1_avg_rms vs run
χ² / ndf 2.54e+04 / 52
p0 337.5 ± 0.3366
4500
4000
3500
3000
2500
2000
1500
1000
500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
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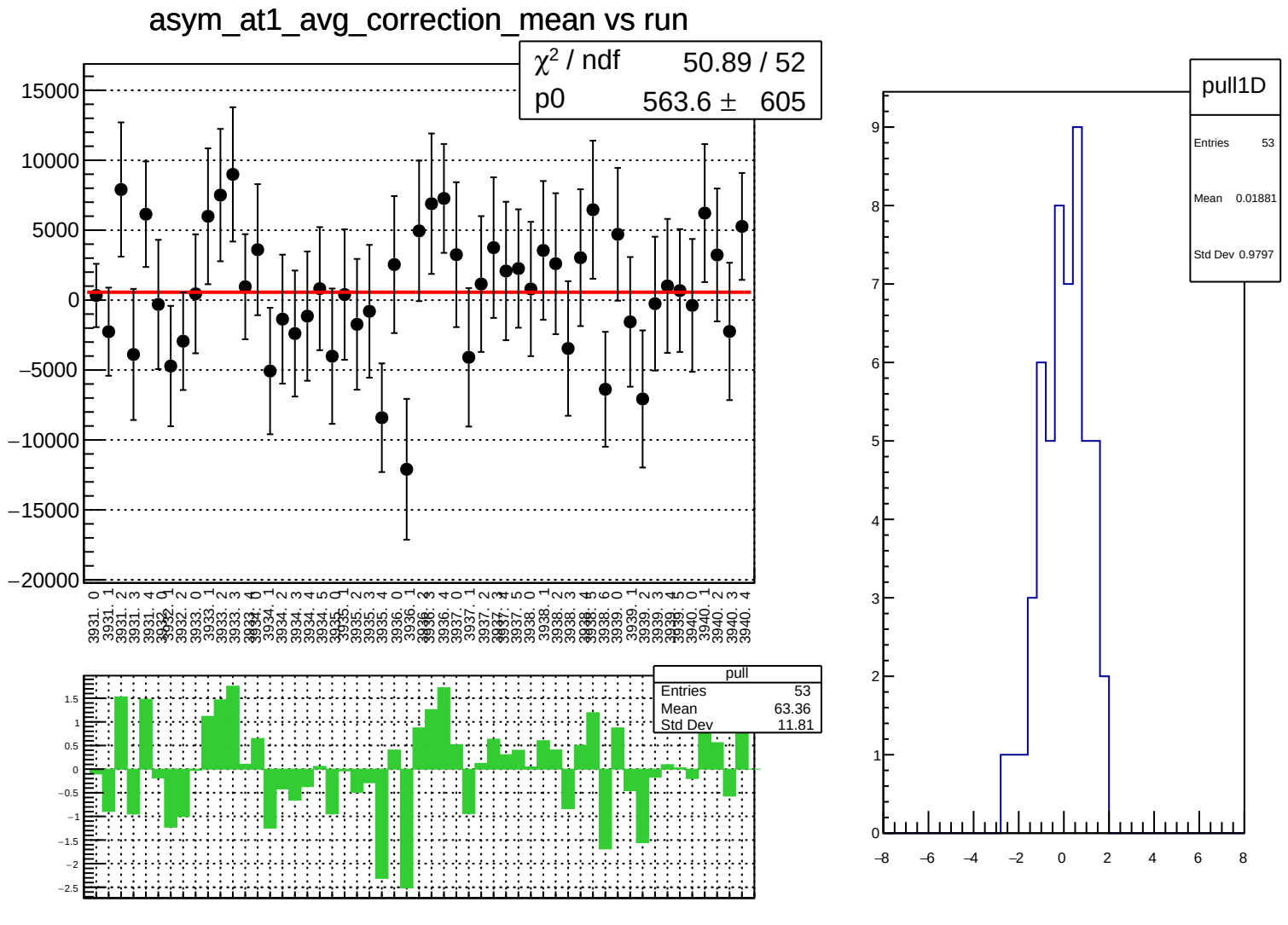
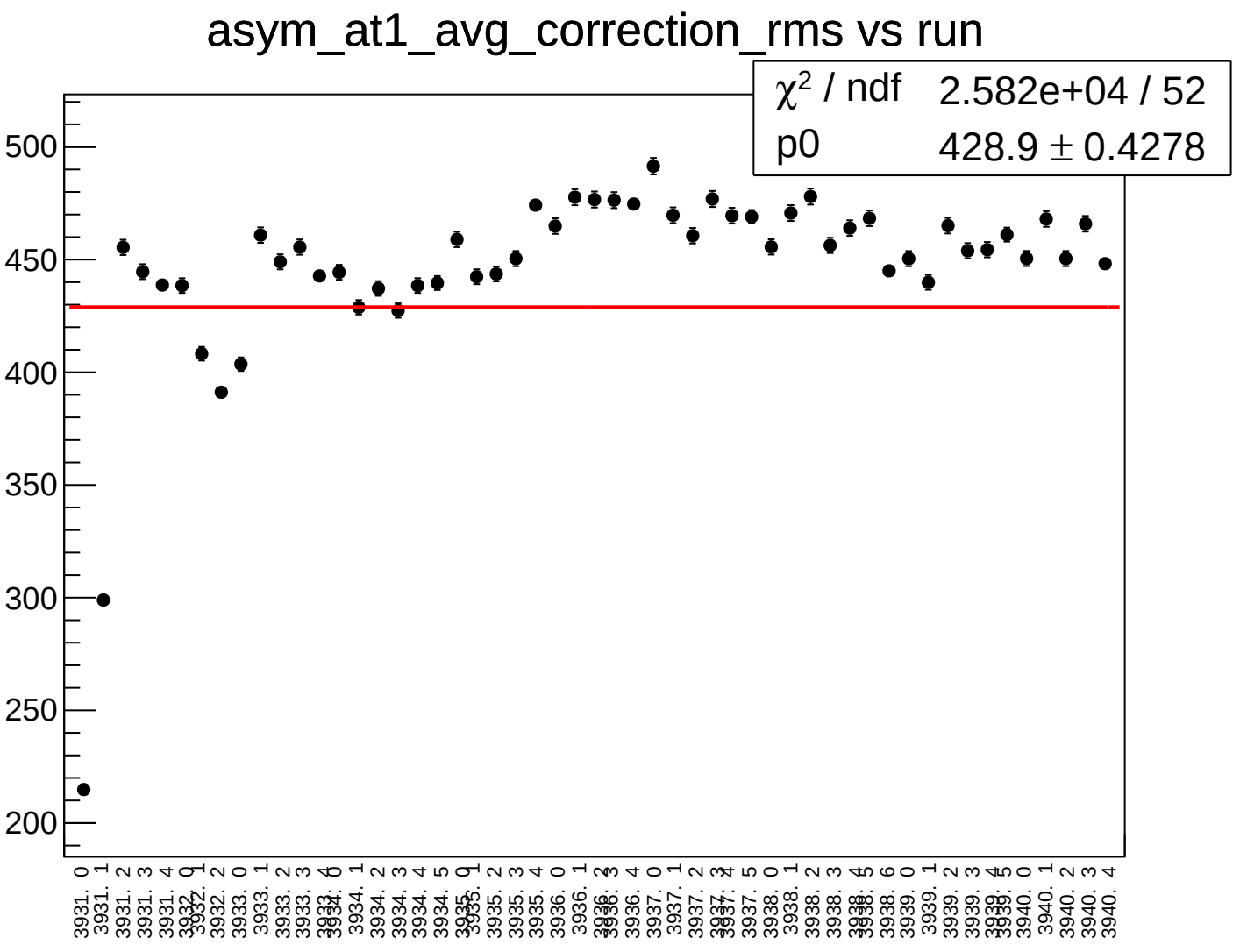
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_at1_avg_correction_mean vs run
χ² / ndf 50.89 / 52
p0 563.6 ± 605
pull
Entries 53
Mean 63.36
Std Dev 11.81
pull1D
Entries 53
Mean 0.01881
Std Dev 0.9797


asym_at1_avg_correction_rms vs run
χ² / ndf 2.582e+04 / 52
p0 428.9 ± 0.4278
500
450
400
350
300
250
200
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
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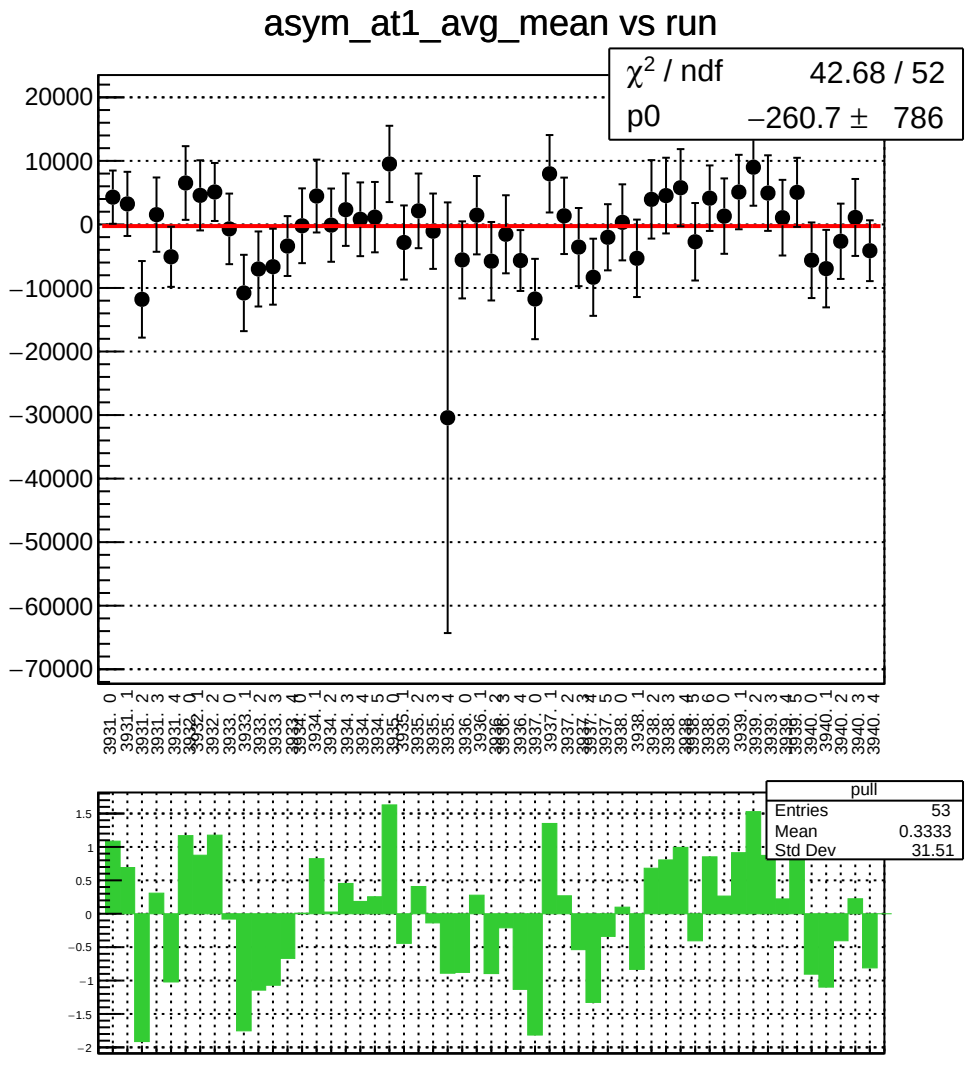
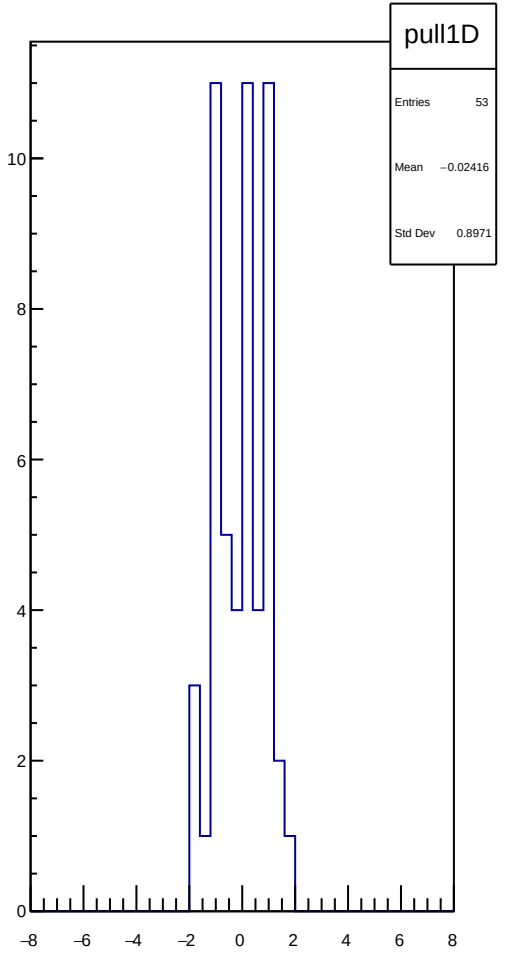
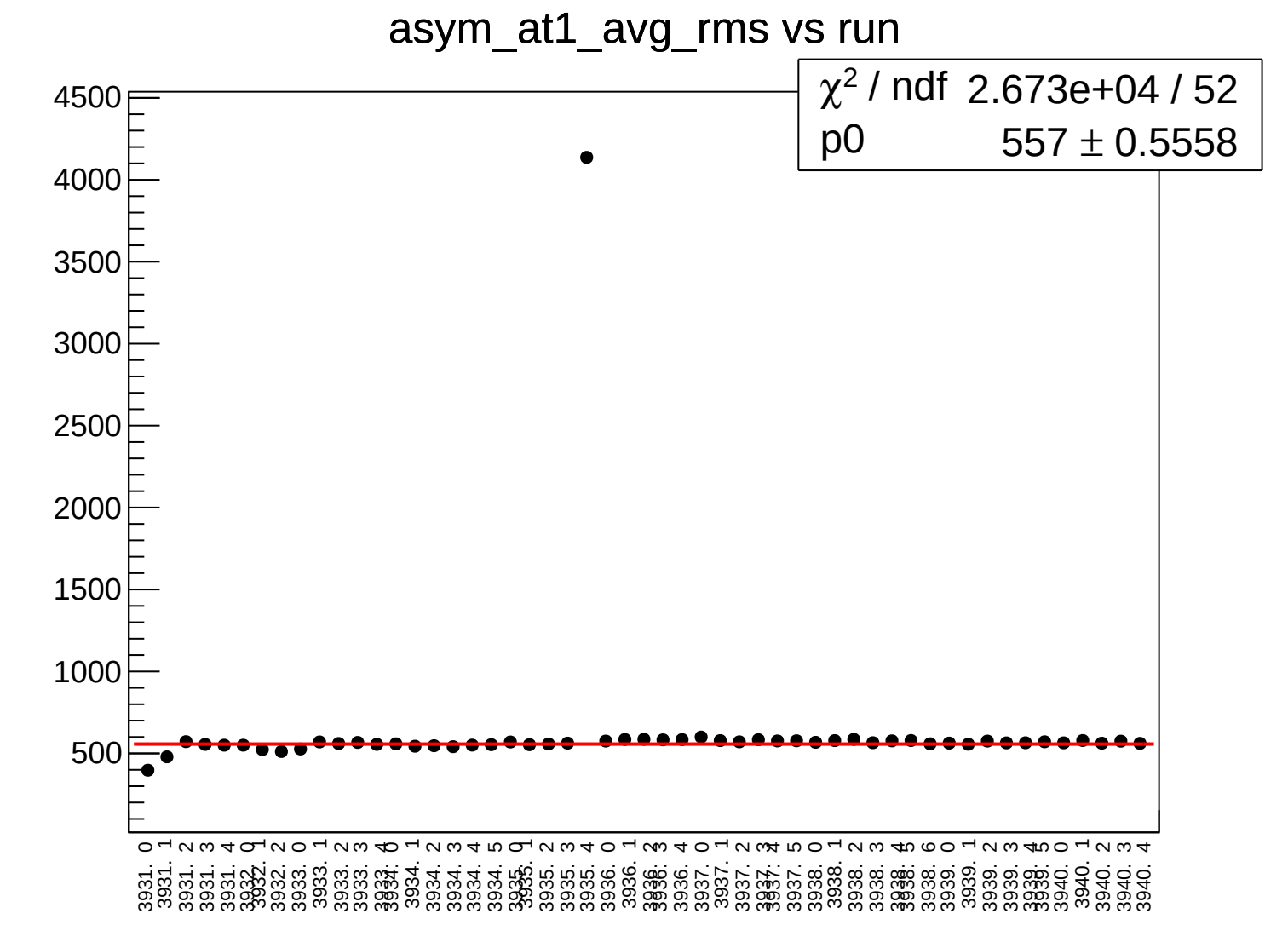
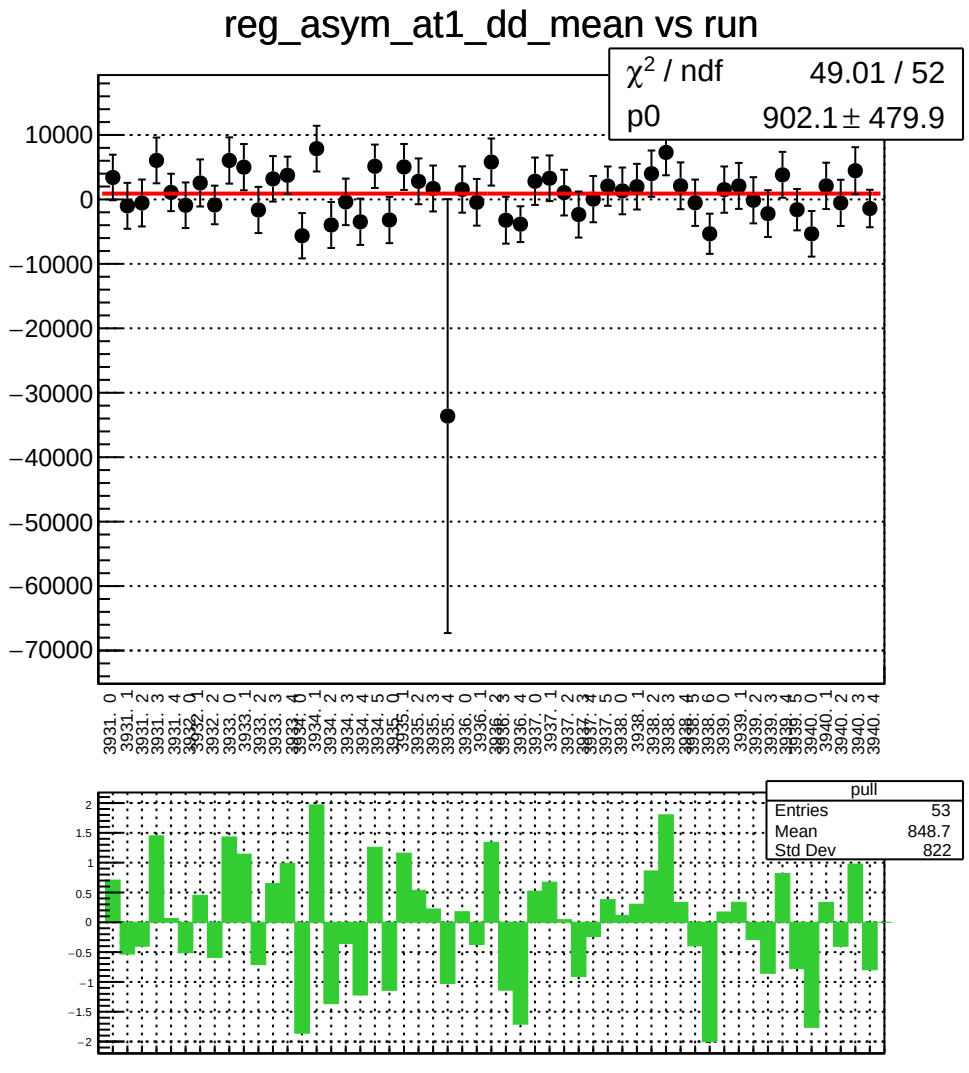
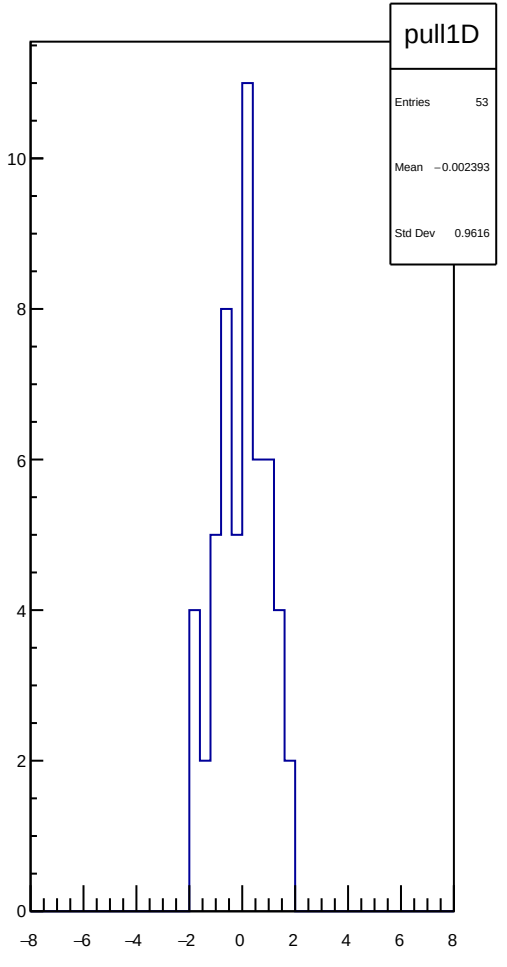
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

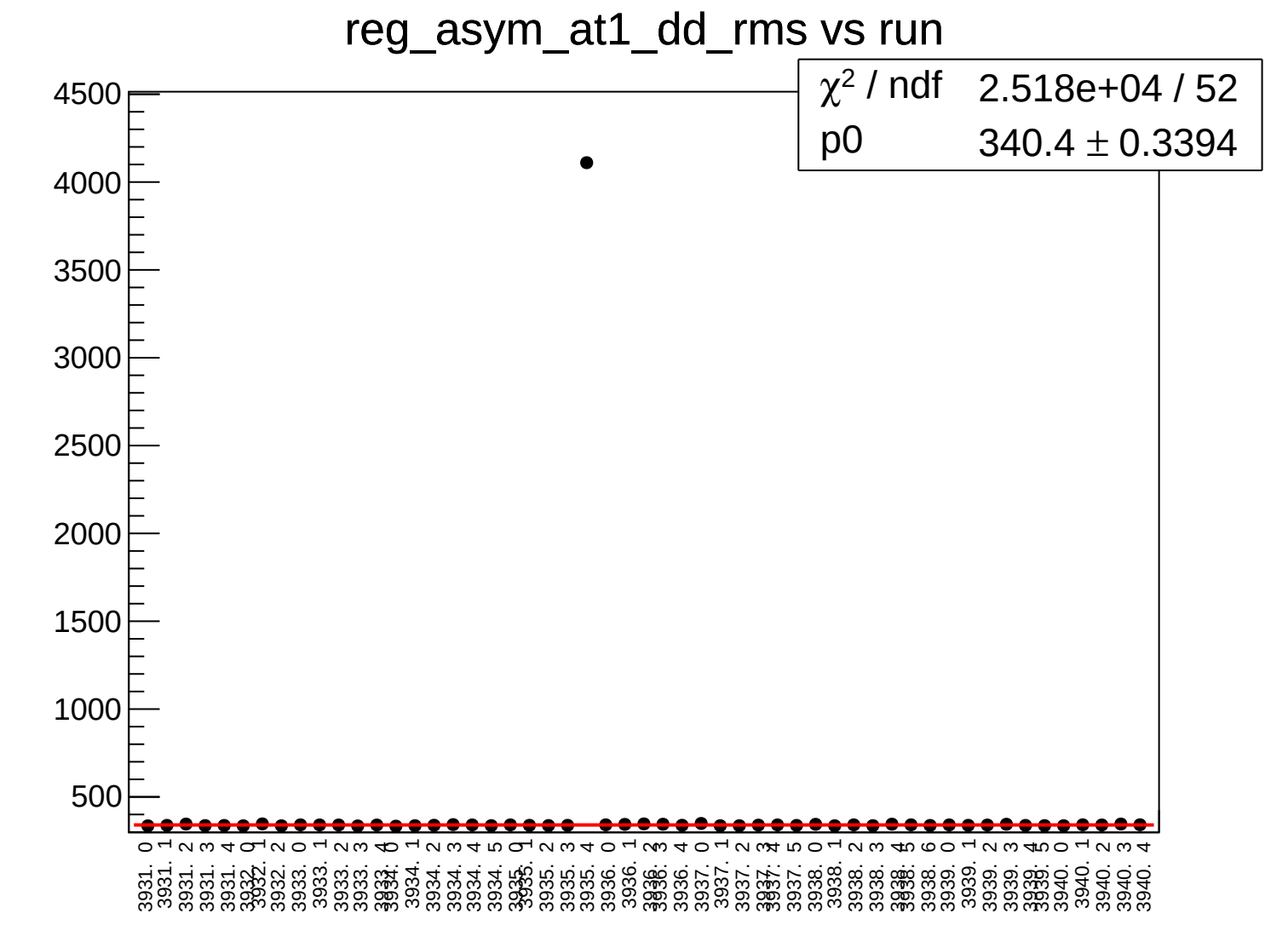

asym_at1_avg_mean vs run
χ² / ndf 42.68 / 52
p0 −260.7 ± 786
pull
Entries 53
Mean 0.3333
Std Dev 31.51

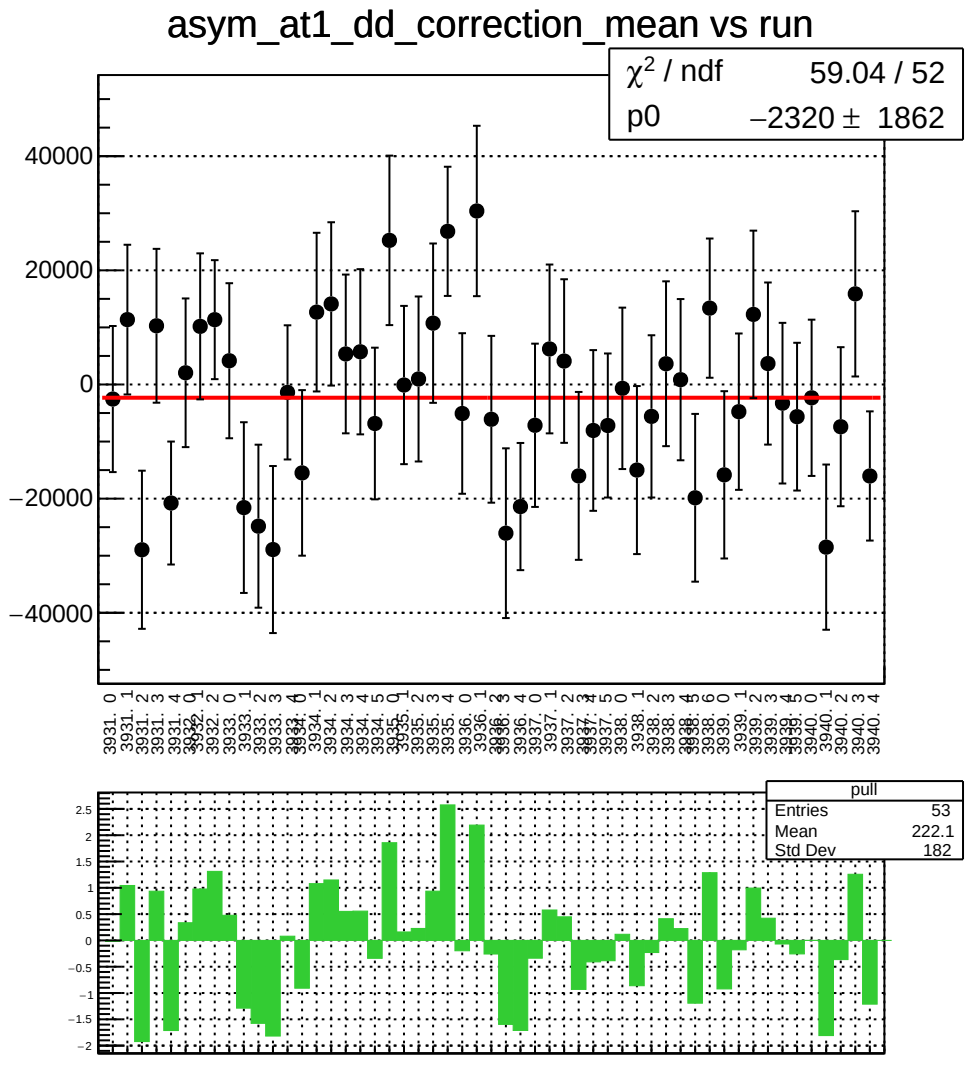

pull1D
Entries 53
Mean −0.02416
Std Dev 0.8971

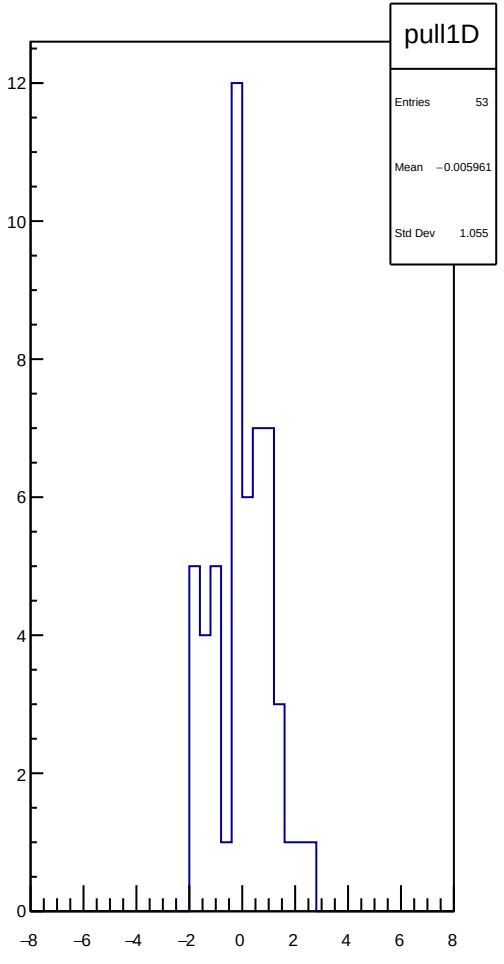

asym_at1_avg_rms vs run
χ² / ndf 2.673e+04 / 52
p0 557 ± 0.5558
4500
4000
3500
3000
2500
2000
1500
1000
500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

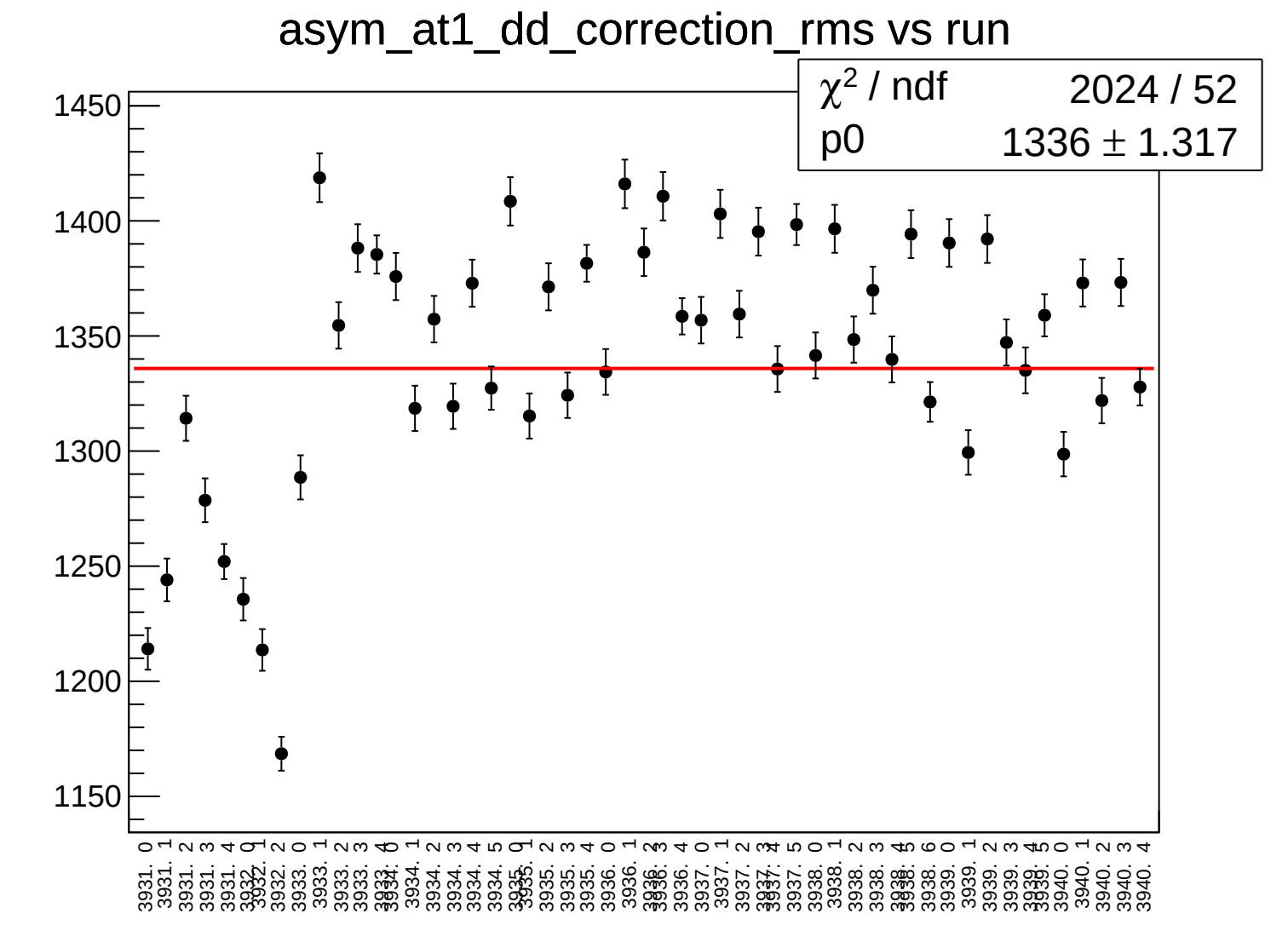

reg_asym_at1_dd_mean vs run
χ² / ndf 49.01 / 52
p0 902.1 ± 479.9
pull
Entries 53
Mean 848.7
Std Dev 822

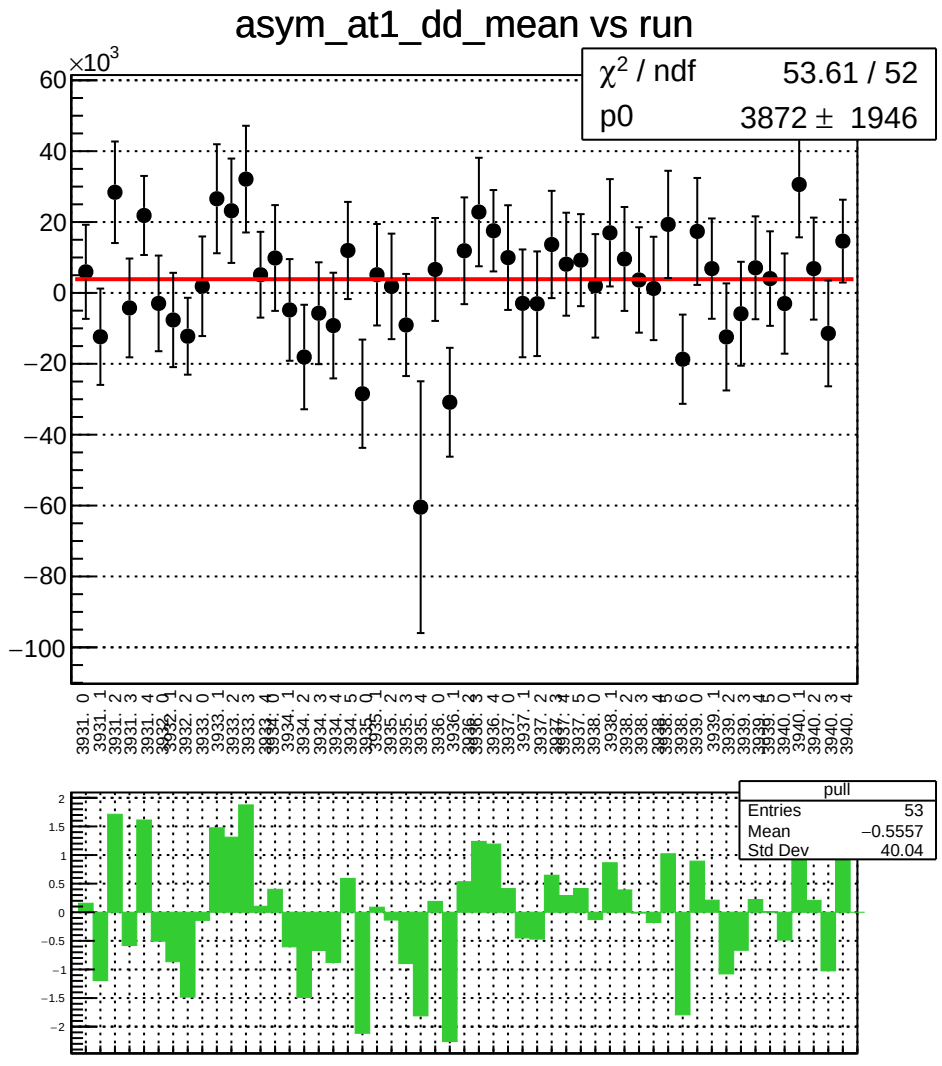

pull1D
Entries 53
Mean −0.002393
Std Dev 0.9616

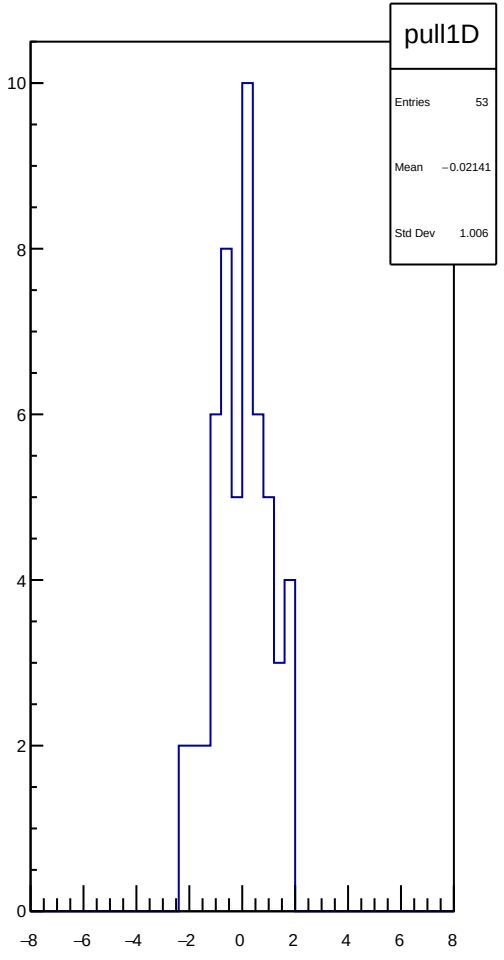

reg_asym_at1_dd_rms vs run
χ^2 / ndf 2.518e+04 / 52
p0 340.4 ± 0.3394
4500
4000
3500
3000
2500
2000
1500
1000
500
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

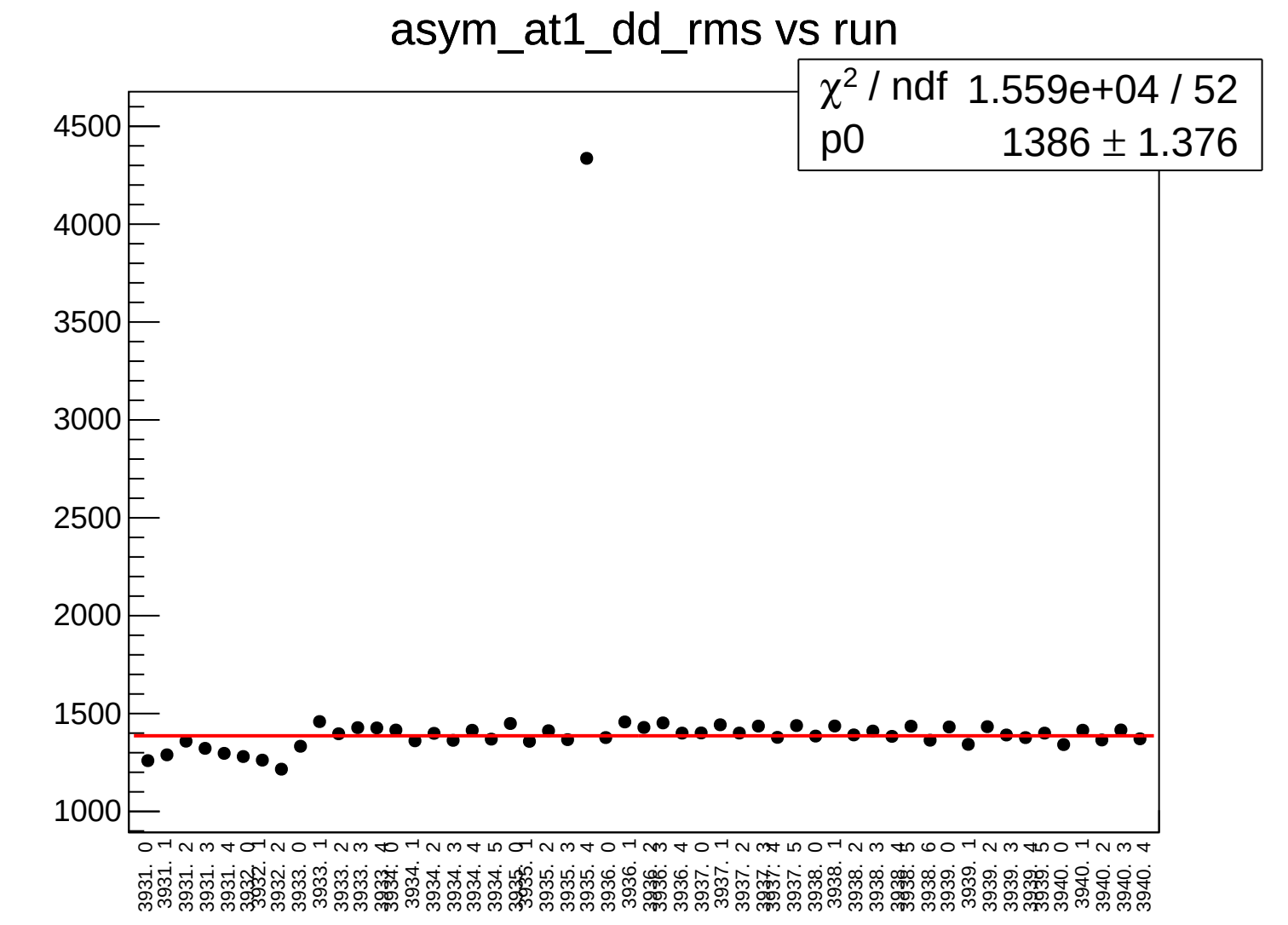

asym_at1_dd_correction_mean vs run
χ² / ndf 59.04 / 52
p0 −2320 ± 1862
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 222.1
Std Dev 182
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

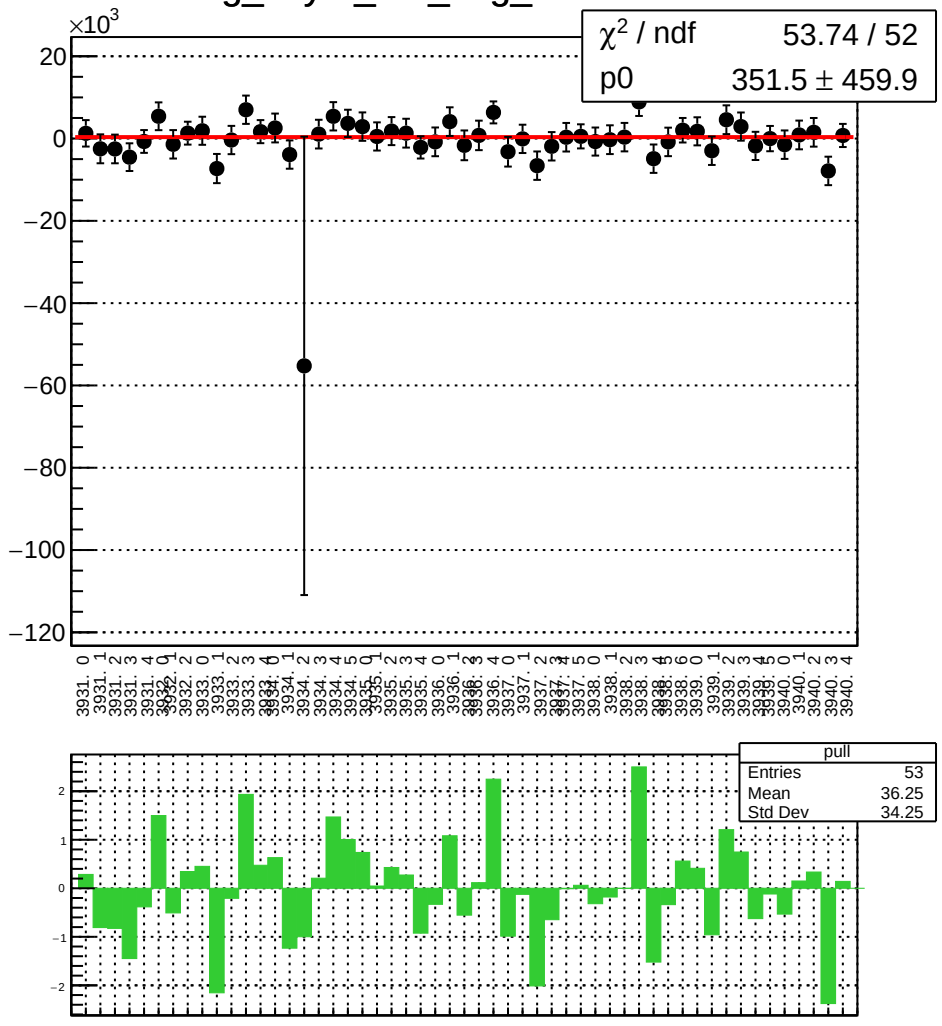

pull1D
Entries 53
Mean −0.005961
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

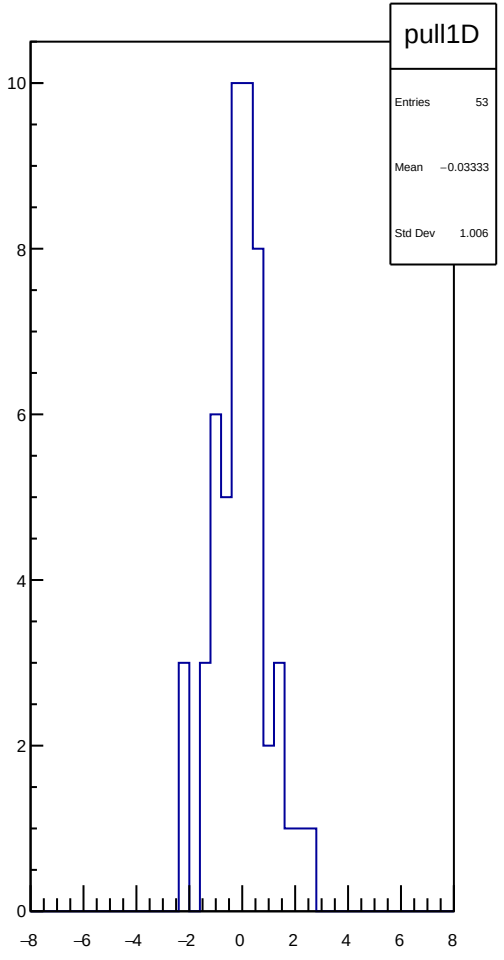

asym_at1_dd_correction_rms vs run
χ² / ndf 2024 / 52
p0 1336 ± 1.317
1450
1400
1350
1300
1250
1200
1150
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

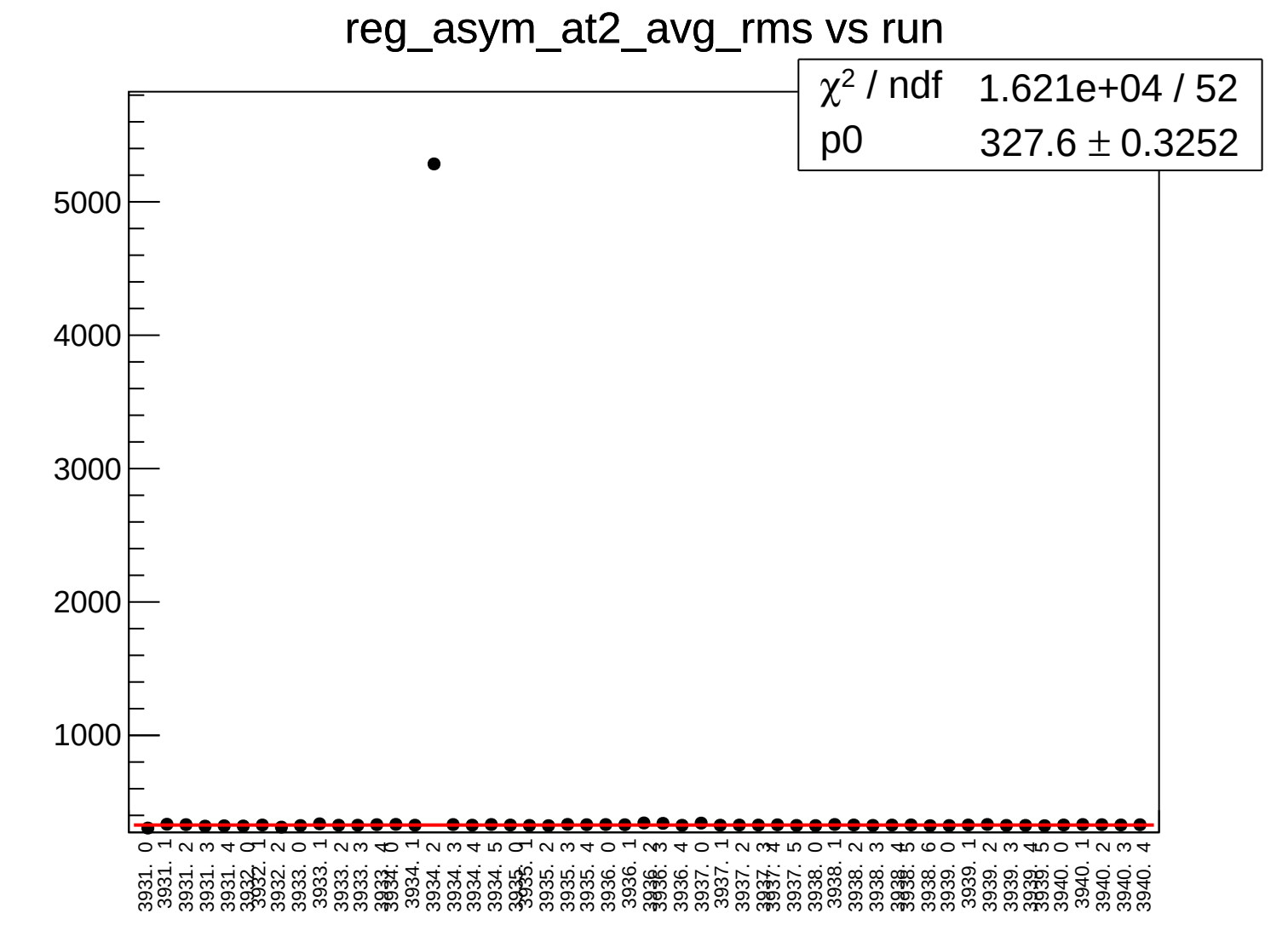

asym_at1_dd_mean vs run
χ² / ndf 53.61 / 52
p0 3872 ± 1946
×10³
pull
Entries 53
Mean −0.5557
Std Dev 40.04

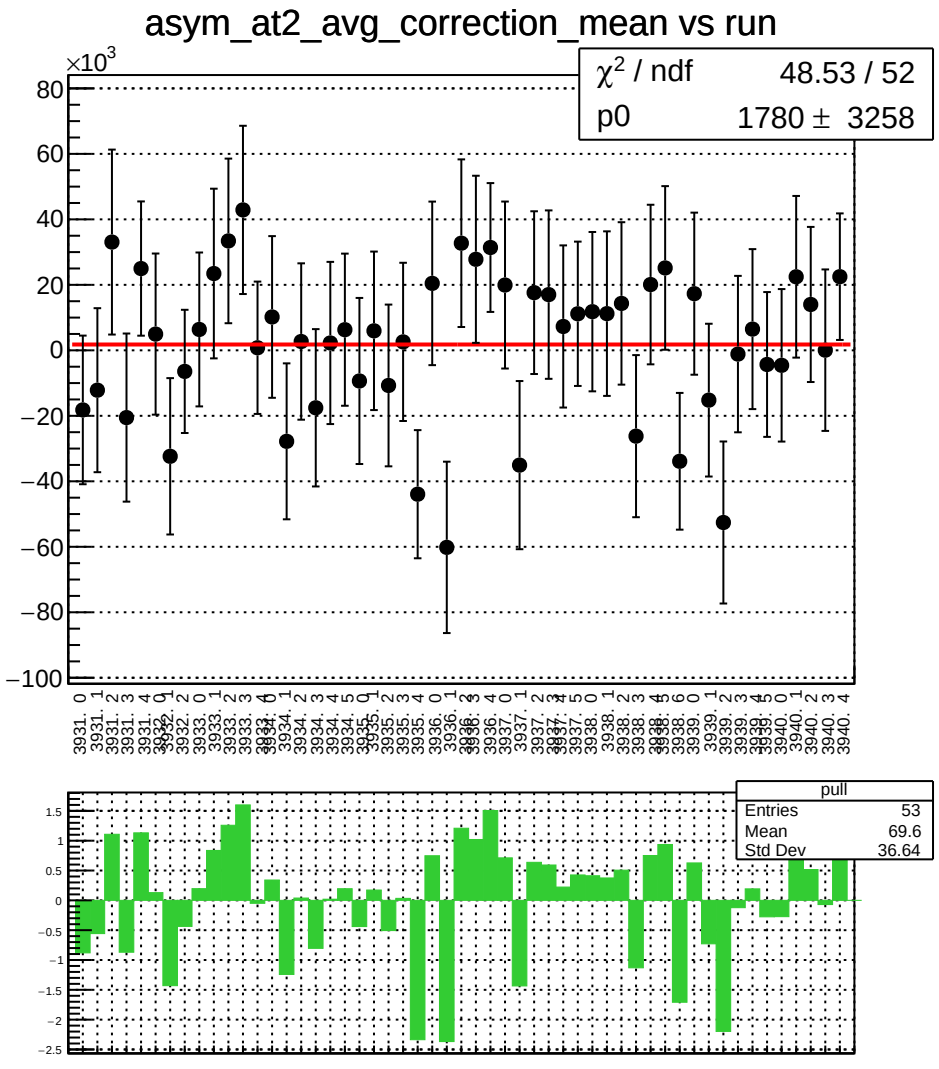

pull1D
Entries 53
Mean −0.02141
Std Dev 1.006

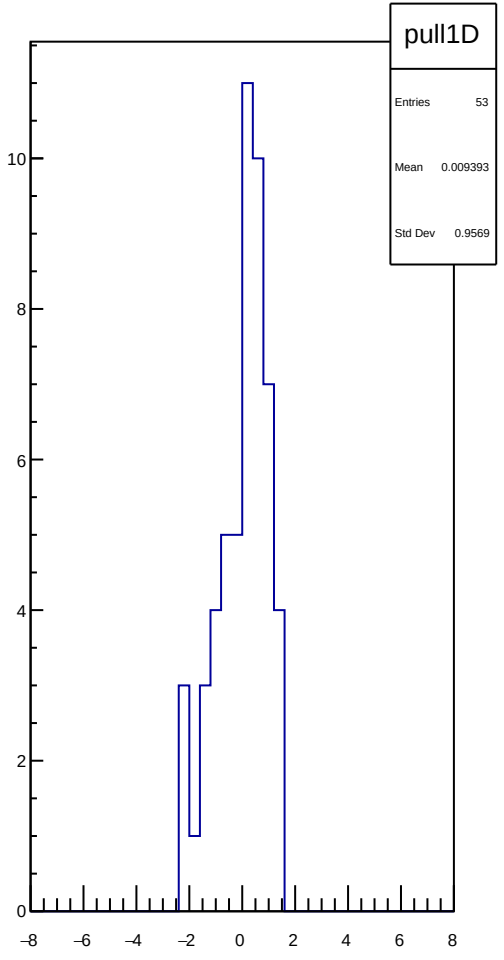

asym_at1_dd_rms vs run
χ² / ndf 1.559e+04 / 52
p0 1386 ± 1.376
4500
4000
3500
3000
2500
2000
1500
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

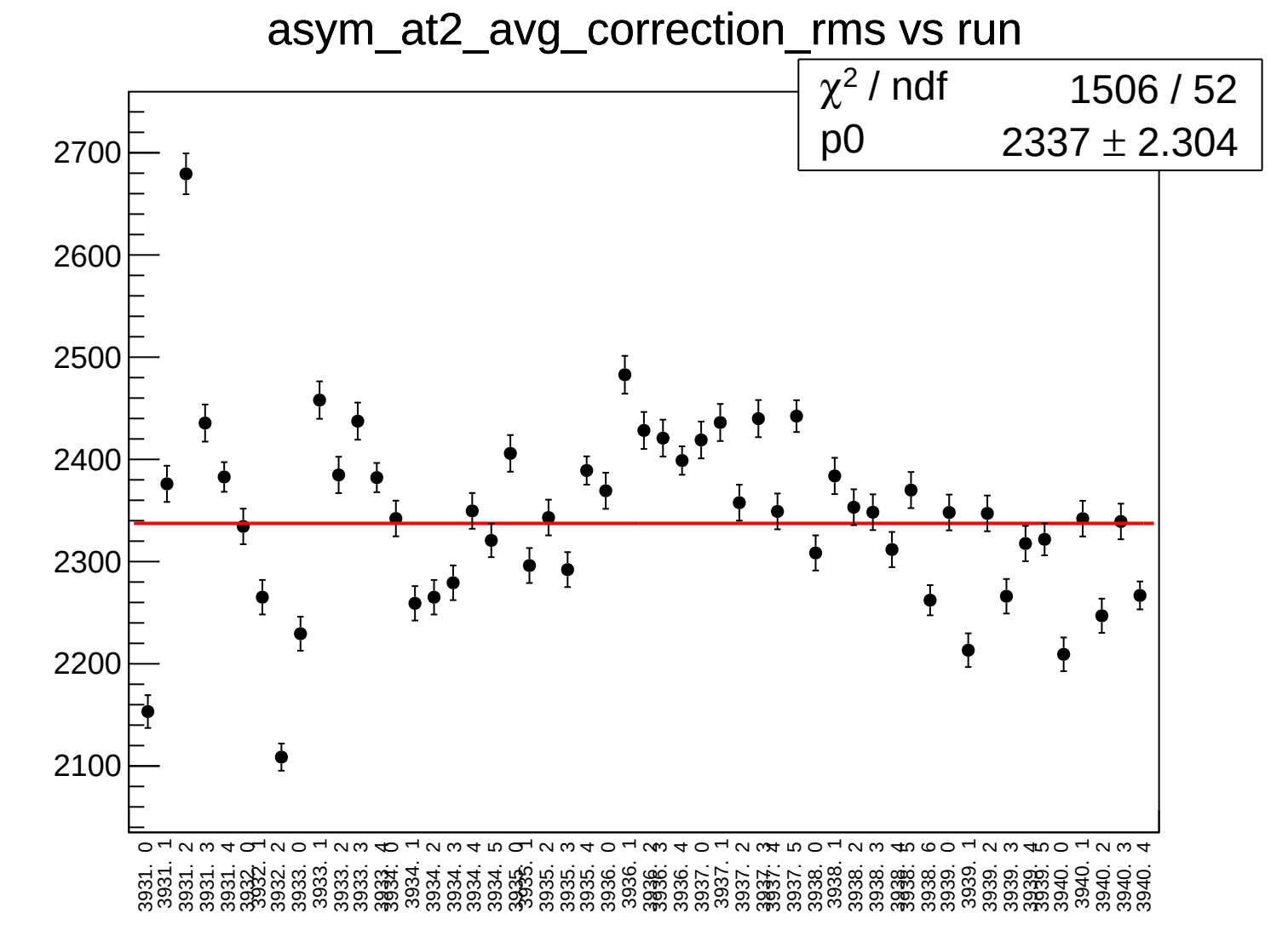

reg_asym_at2_avg_mean vs run
×10^3
χ² / ndf 53.74 / 52
p0 351.5 ± 459.9
pull
Entries 53
Mean 36.25
Std Dev 34.25

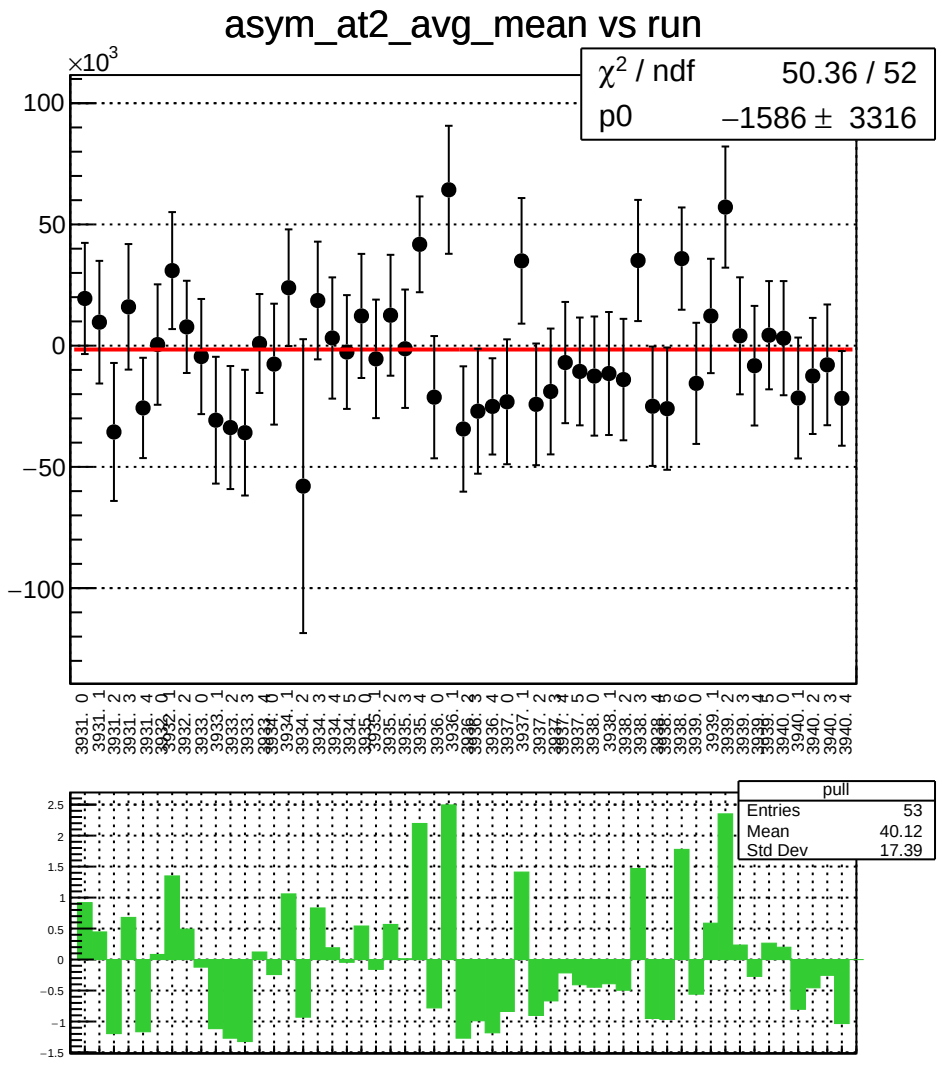

pull1D
Entries 53
Mean −0.03333
Std Dev 1.006

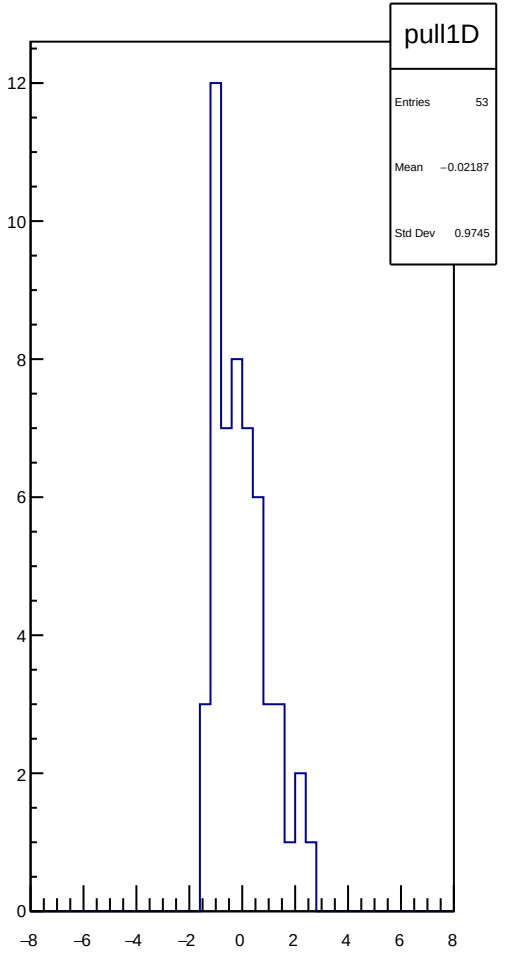

reg_asym_at2_avg_rms vs run
χ² / ndf 1.621e+04 / 52
p0 327.6 ± 0.3252
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

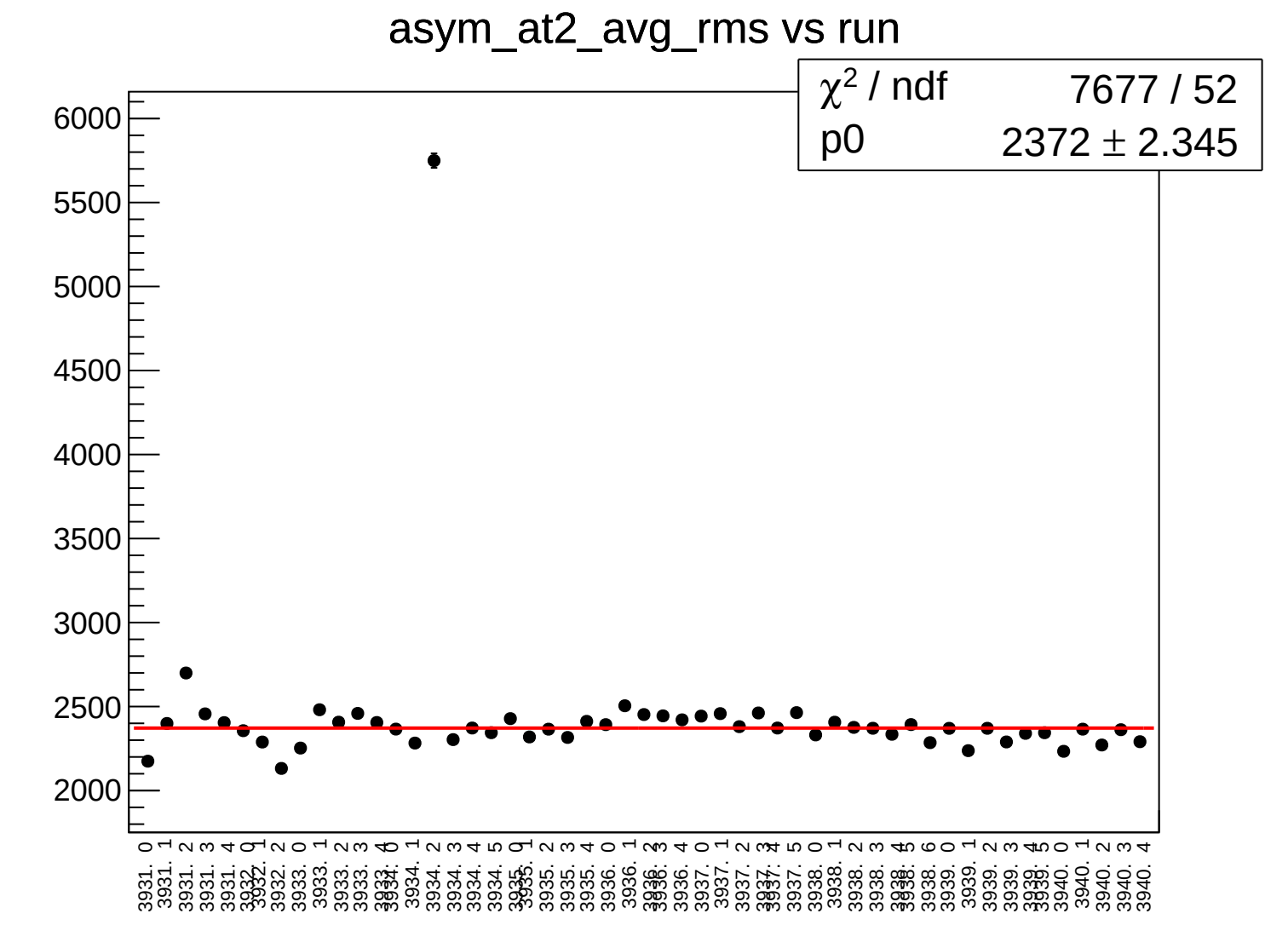

asym_at2_avg_correction_mean vs run
χ² / ndf 48.53 / 52
p0 1780 ± 3258
pull
Entries 53
Mean 69.6
Std Dev 36.64

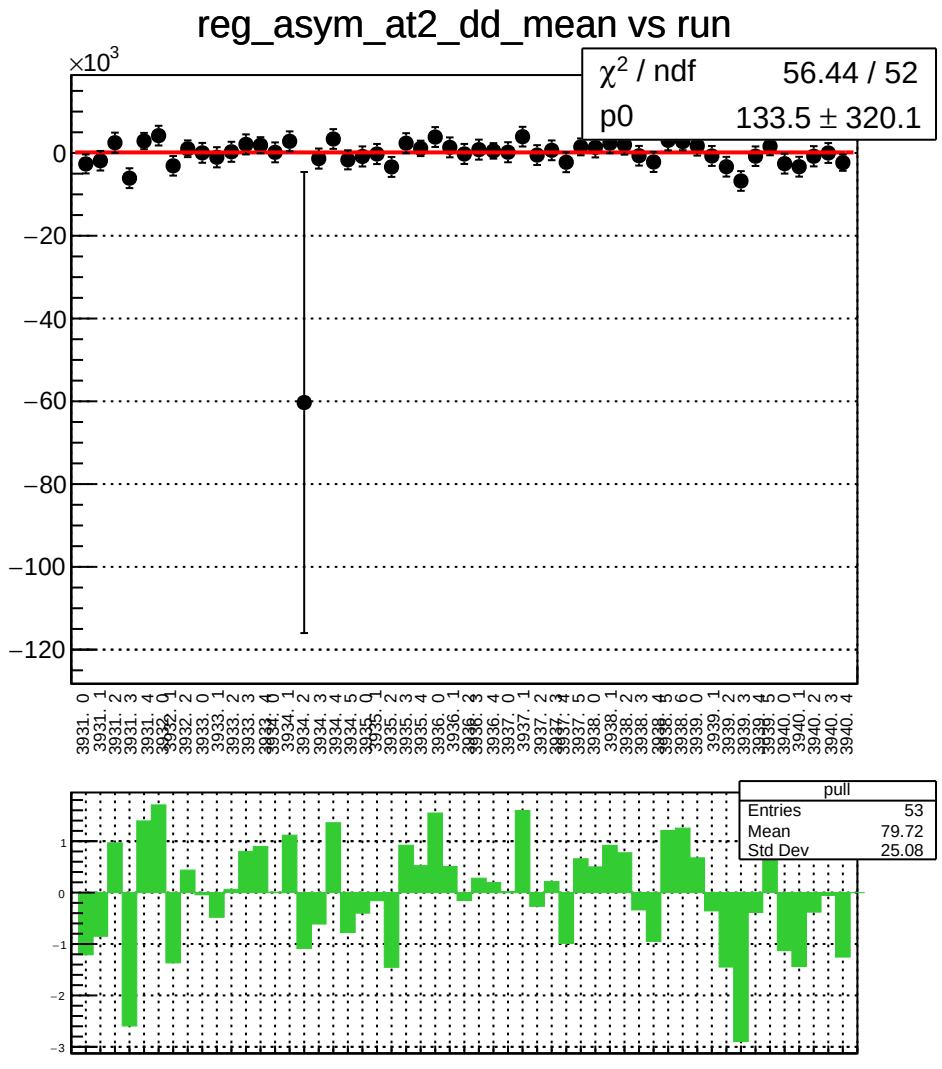

pull1D
Entries 53
Mean 0.009393
Std Dev 0.9569

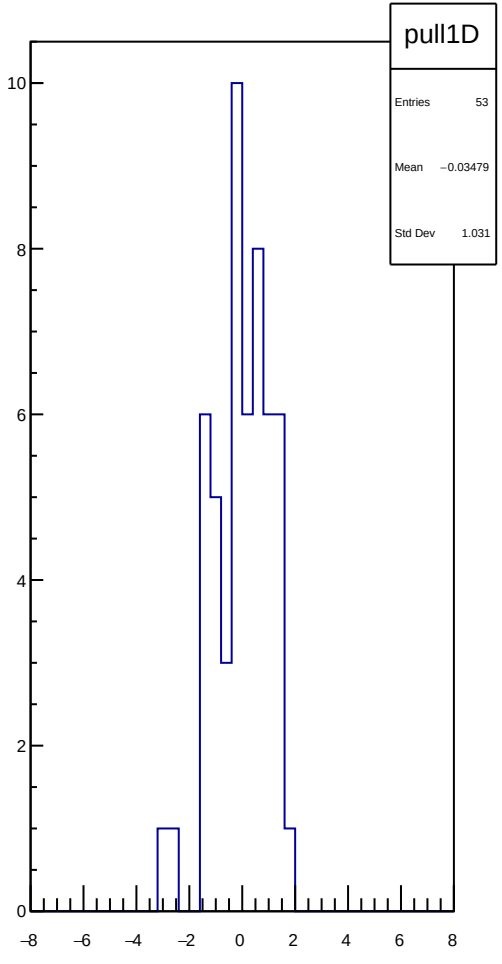

asym_at2_avg_correction_rms vs run
χ² / ndf 1506 / 52
p0 2337 ± 2.304
2700
2600
2500
2400
2300
2200
2100
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

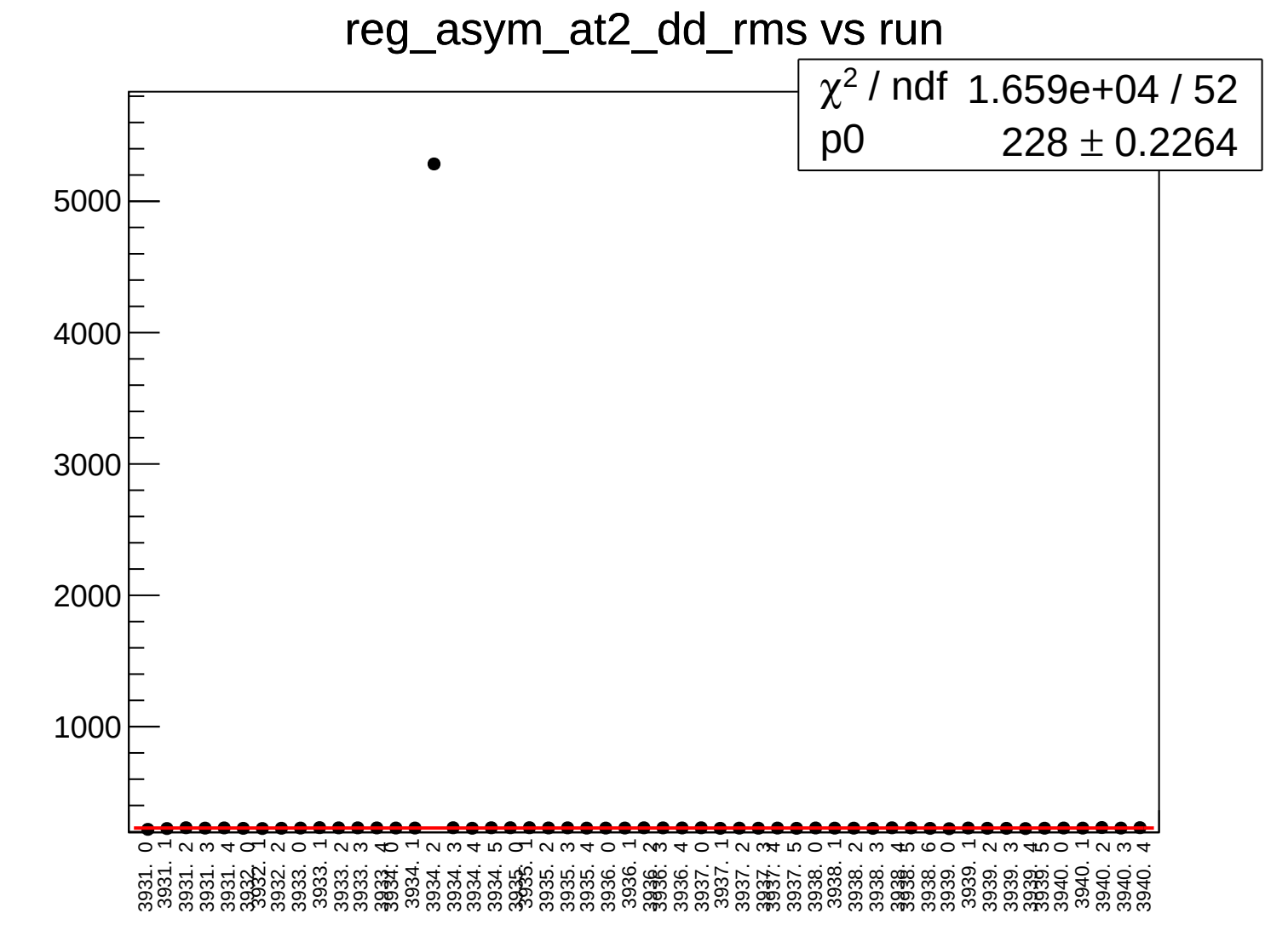

asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 50.36 / 52
p0 −1586 ± 3316
100
50
0
−50
−100
pull
Entries 53
Mean 40.12
Std Dev 17.39
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

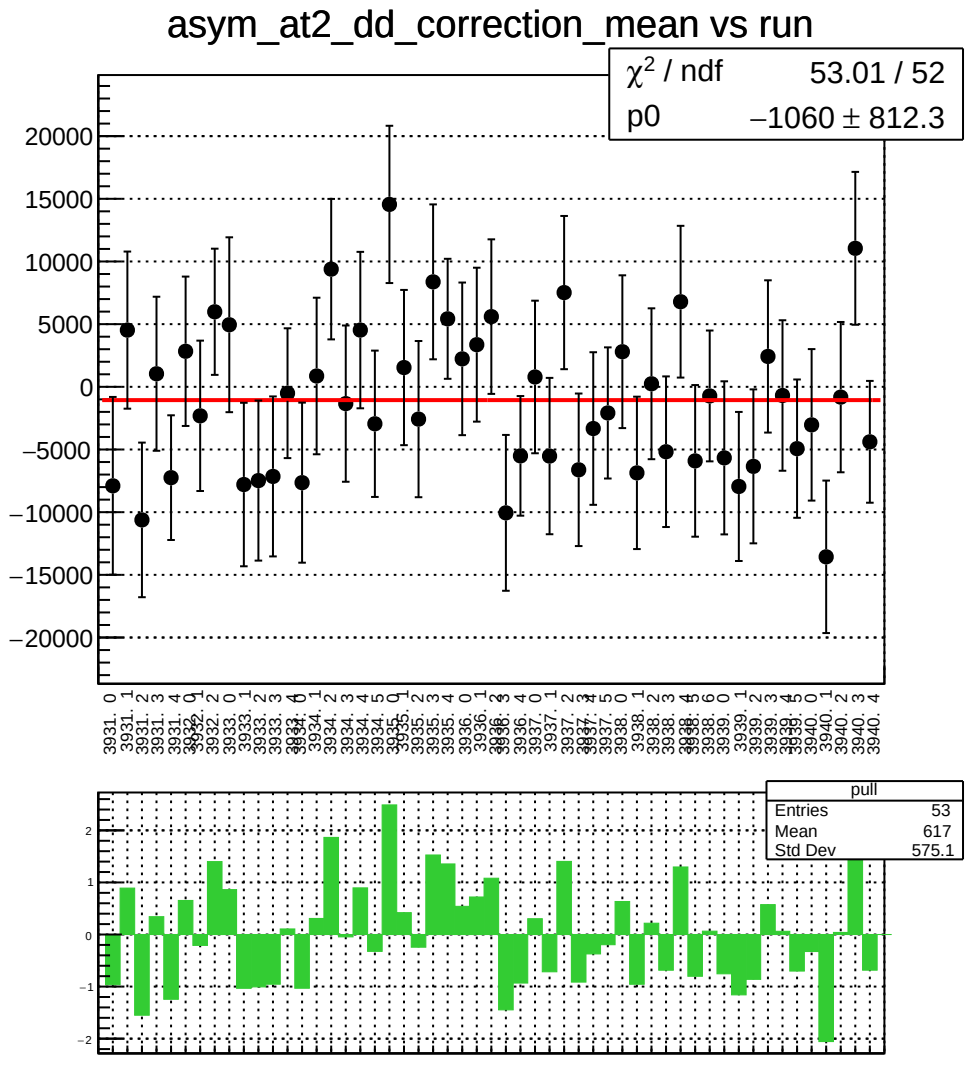

pull1D
Entries 53
Mean −0.02187
Std Dev 0.9745
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

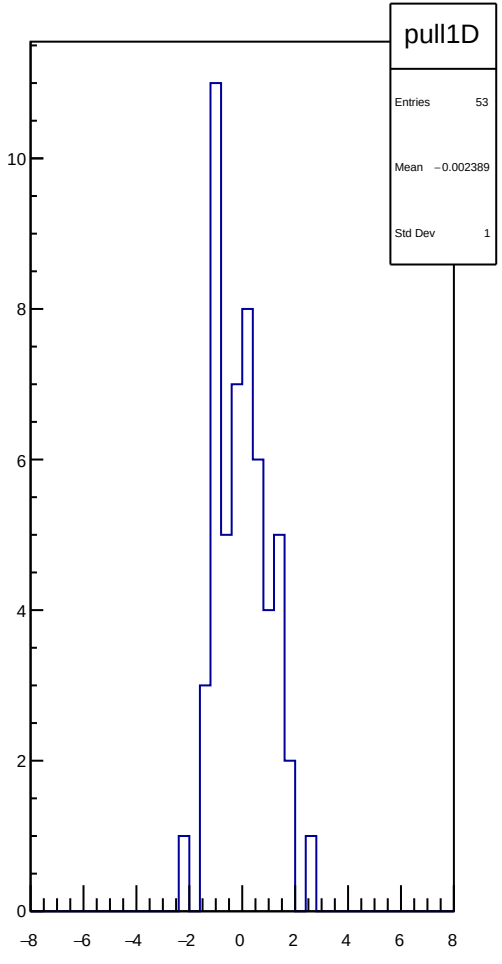

asym_at2_avg_rms vs run
χ² / ndf 7677 / 52
p0 2372 ± 2.345
6000
5500
5000
4500
4000
3500
3000
2500
2000

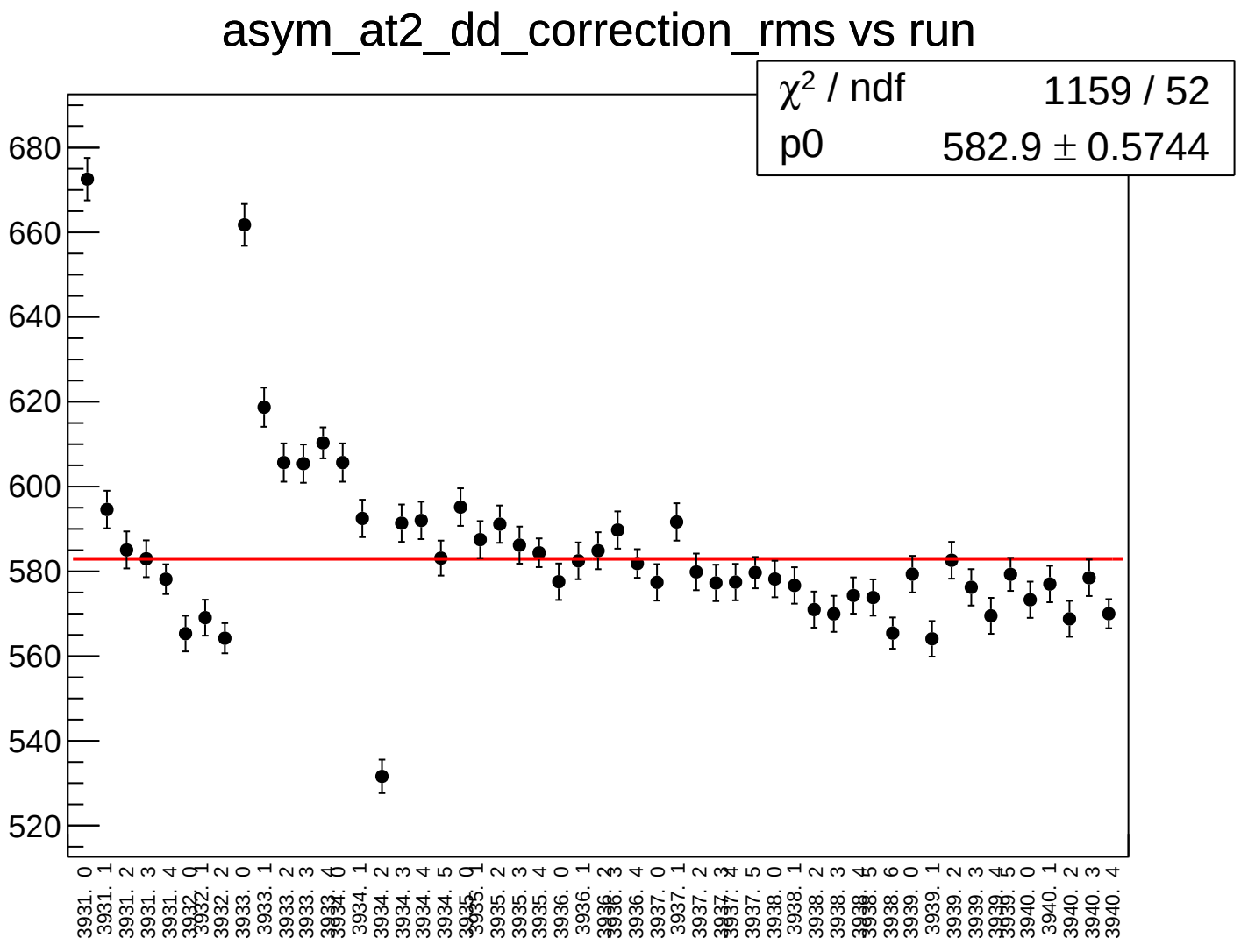

reg_asym_at2_dd_mean vs run
×10^3
χ² / ndf 56.44 / 52
p0 133.5 ± 320.1
pull
Entries 53
Mean 79.72
Std Dev 25.08

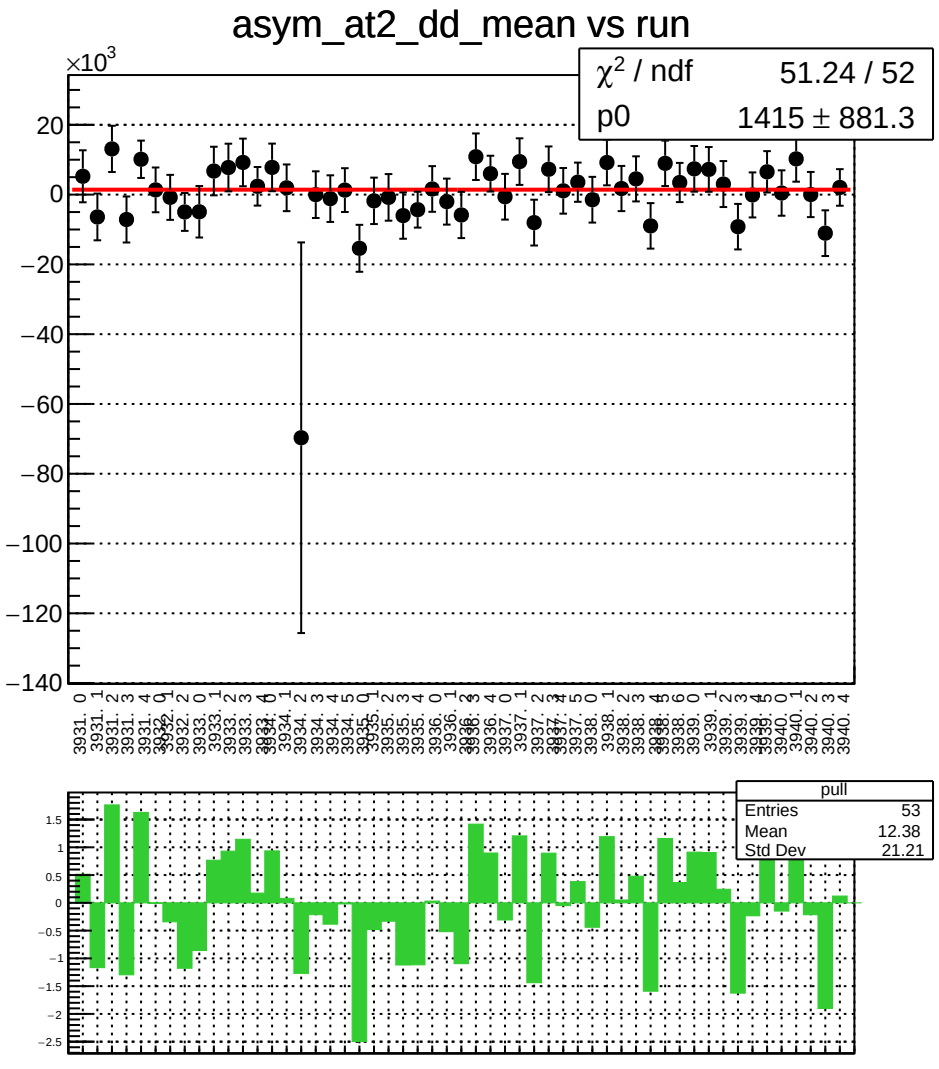

pull1D
Entries 53
Mean −0.03479
Std Dev 1.031

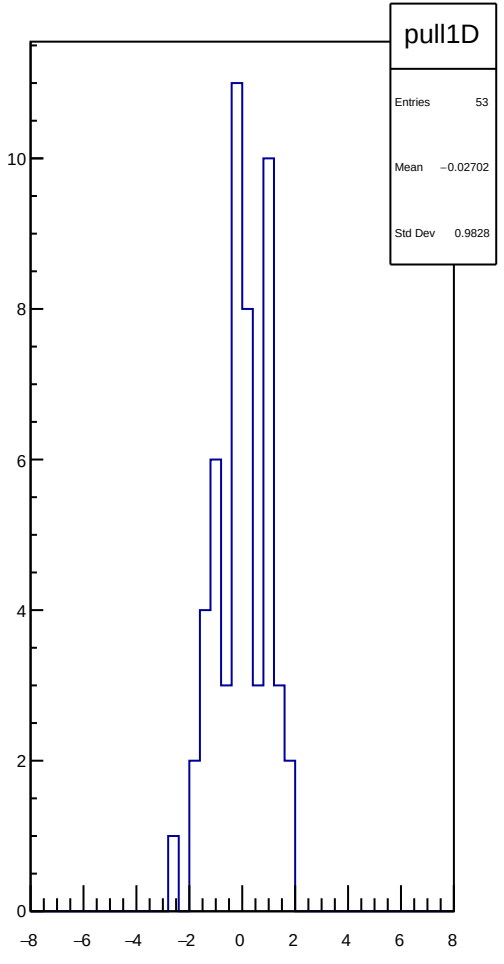

reg_asym_at2_dd_rms vs run
χ^2 / ndf 1.659e+04 / 52
p0 228 ± 0.2264
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

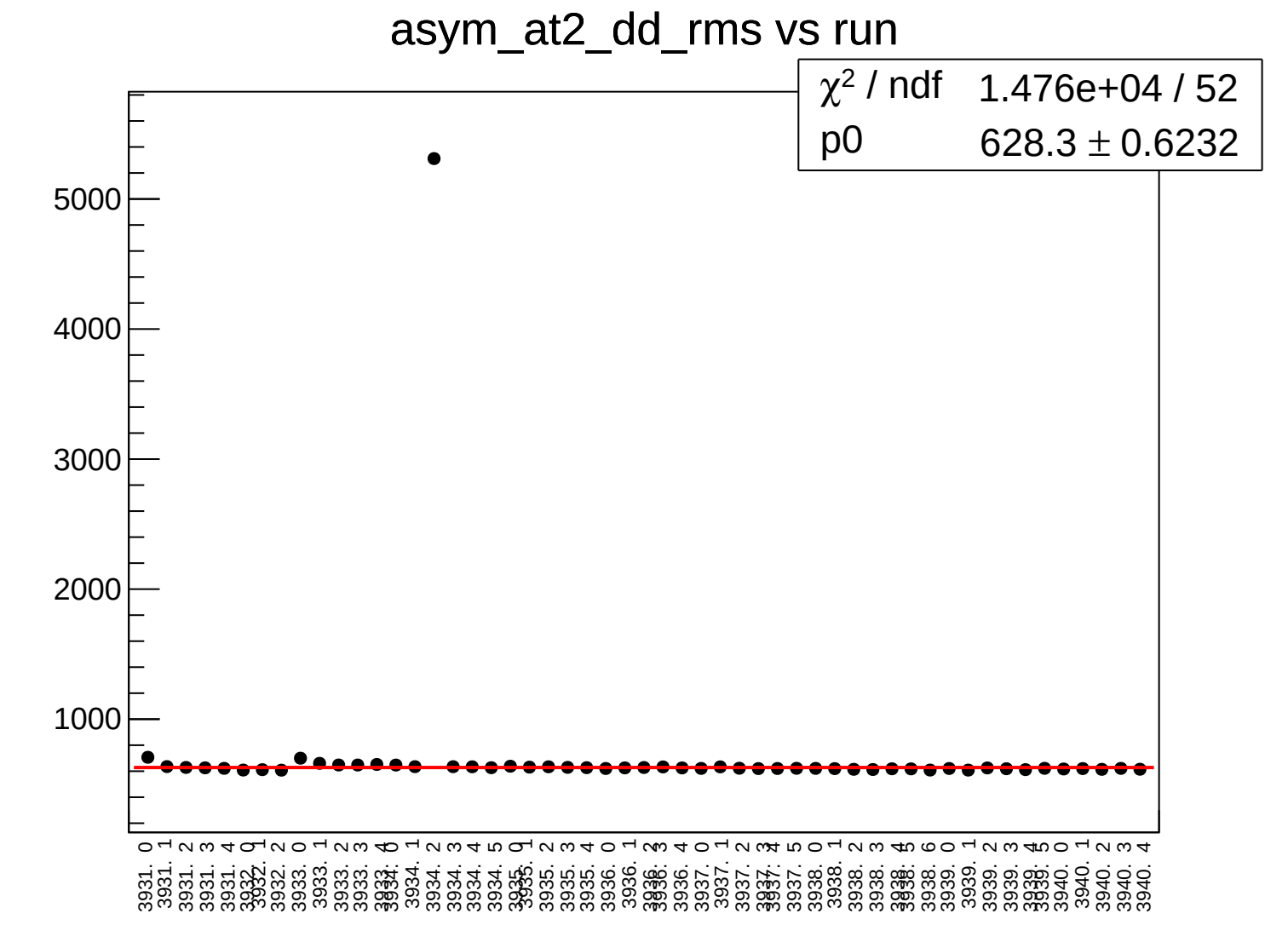

asym_at2_dd_correction_mean vs run
χ² / ndf 53.01 / 52
p0 −1060 ± 812.3
pull
Entries 53
Mean 617
Std Dev 575.1

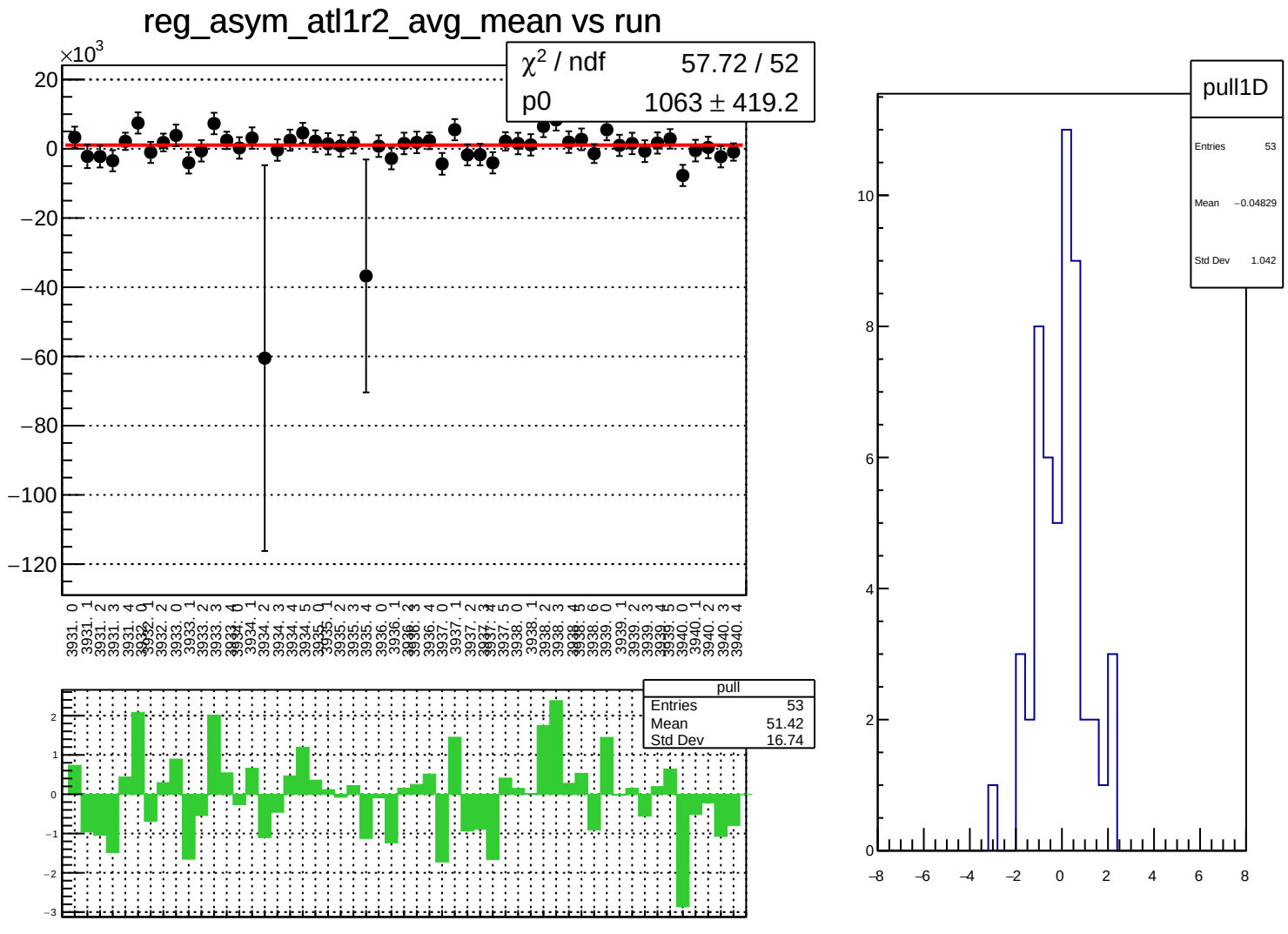

pull1D
Entries 53
Mean −0.002389
Std Dev 1

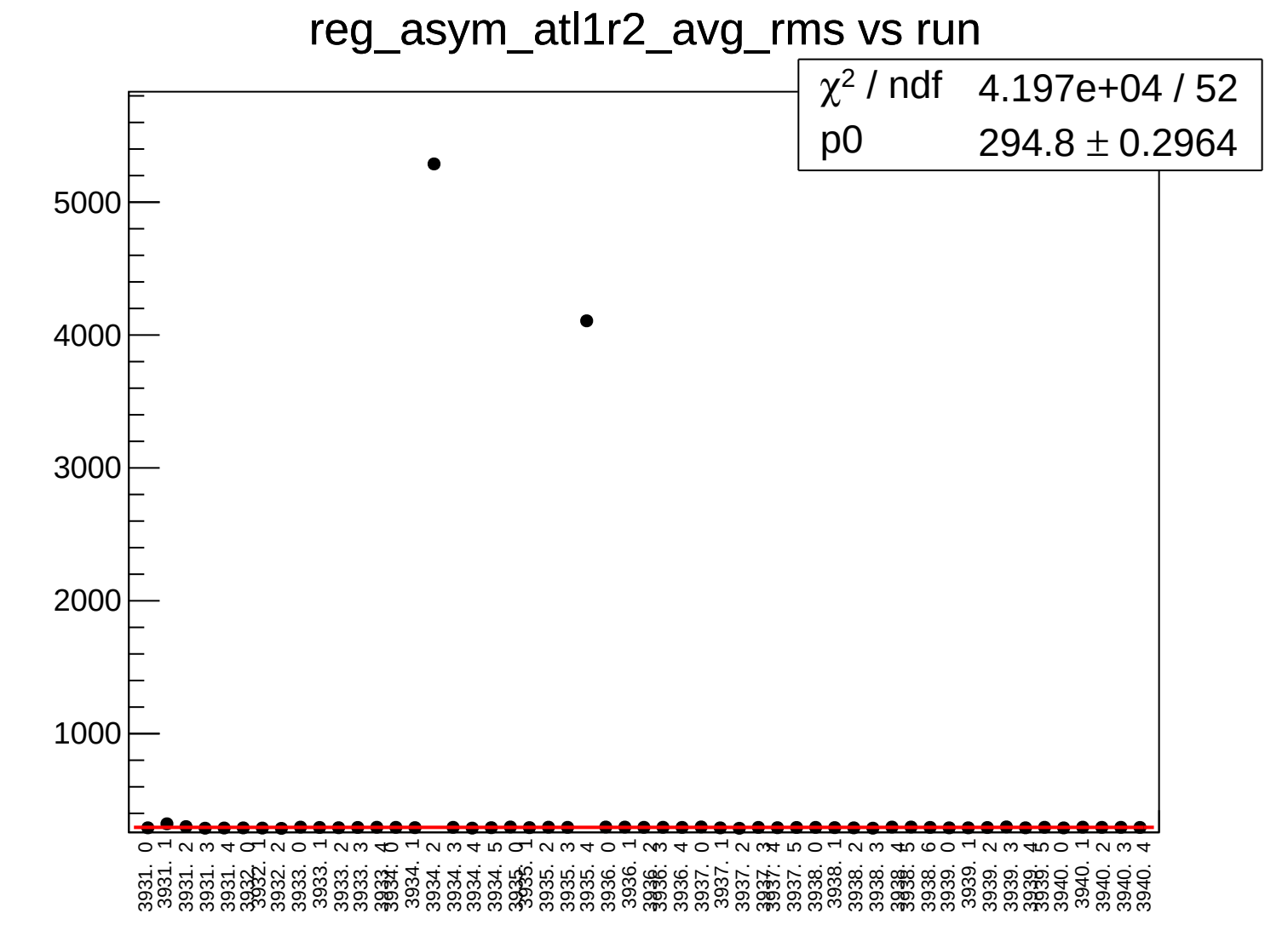

asym_at2_dd_correction_rms vs run
χ² / ndf 1159 / 52
p0 582.9 ± 0.5744
680
660
640
620
600
580
560
540
520

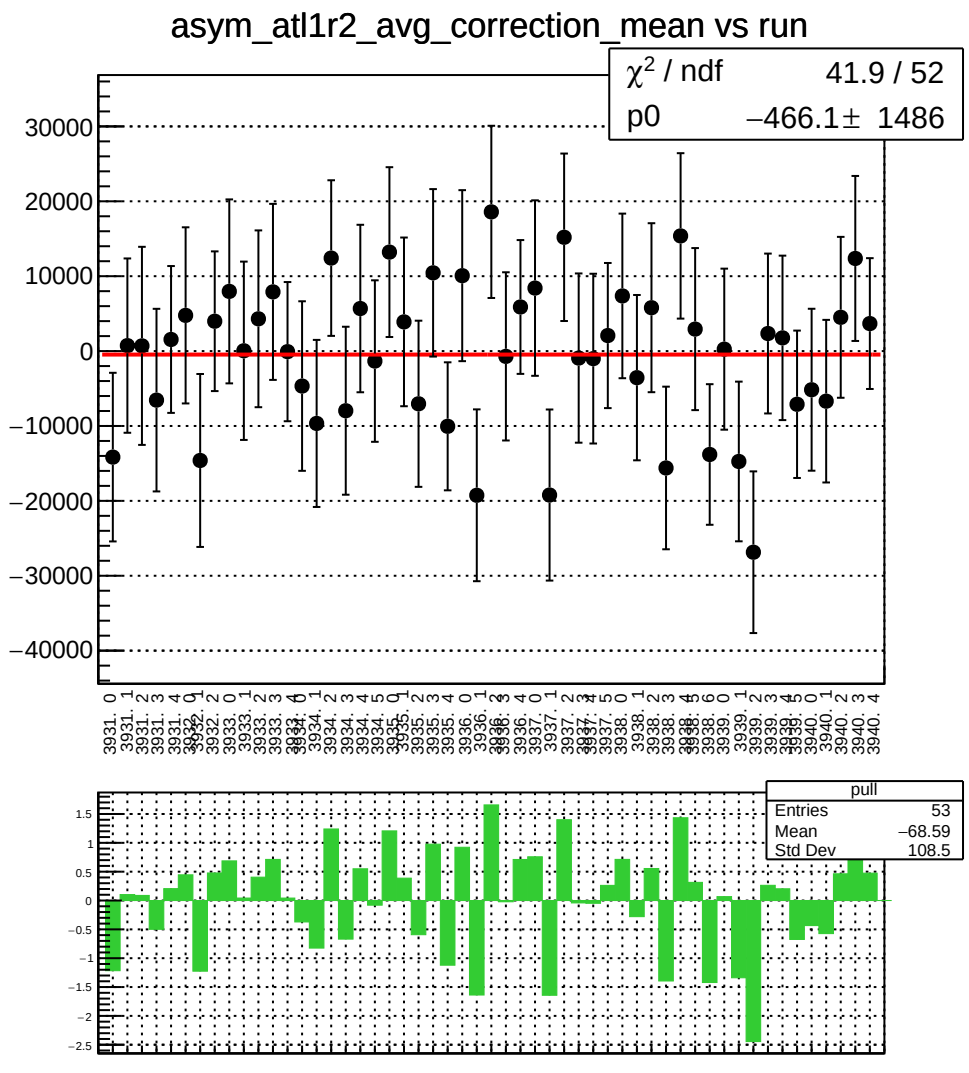

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 51.24 / 52
p0 1415 ± 881.3
pull
Entries 53
Mean 12.38
Std Dev 21.21

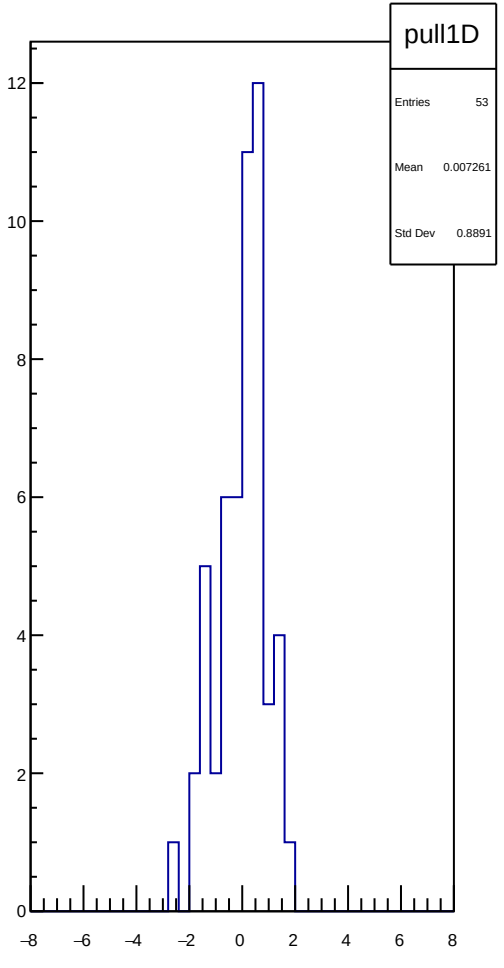

pull1D
Entries 53
Mean −0.02702
Std Dev 0.9828

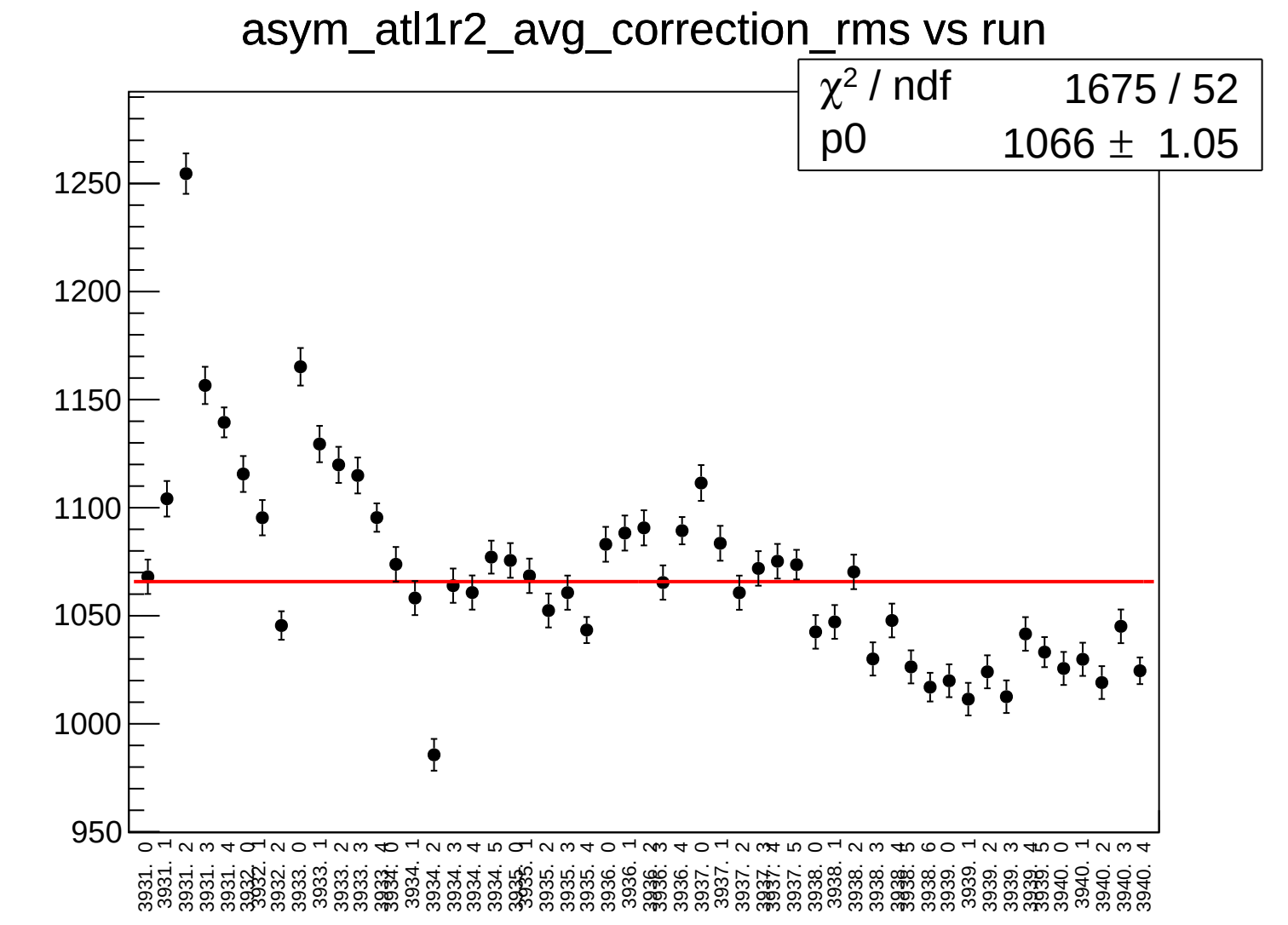

asym_at2_dd_rms vs run
χ² / ndf 1.476e+04 / 52
p0 628.3 ± 0.6232
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

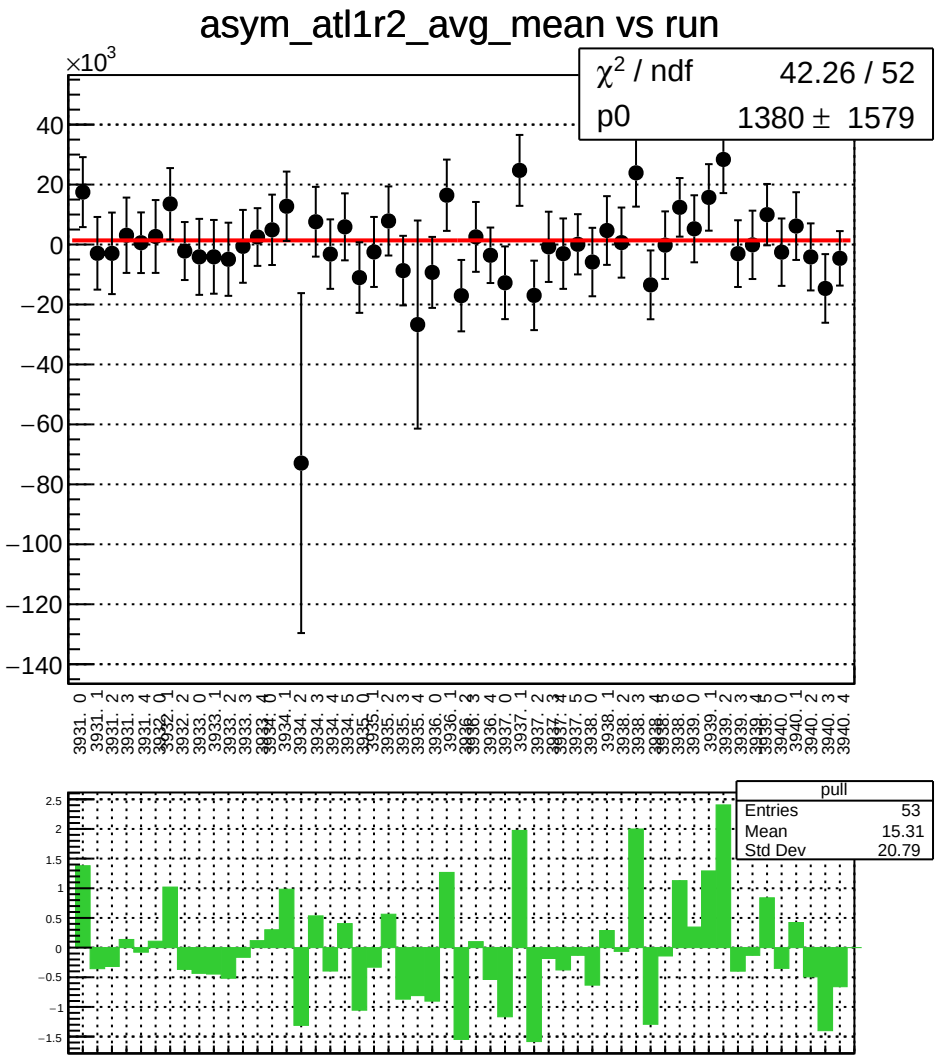

reg_asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 57.72 / 52
p0 1063 ± 419.2
pull
Entries 53
Mean 51.42
Std Dev 16.74
pull1D
Entries 53
Mean −0.04829
Std Dev 1.042

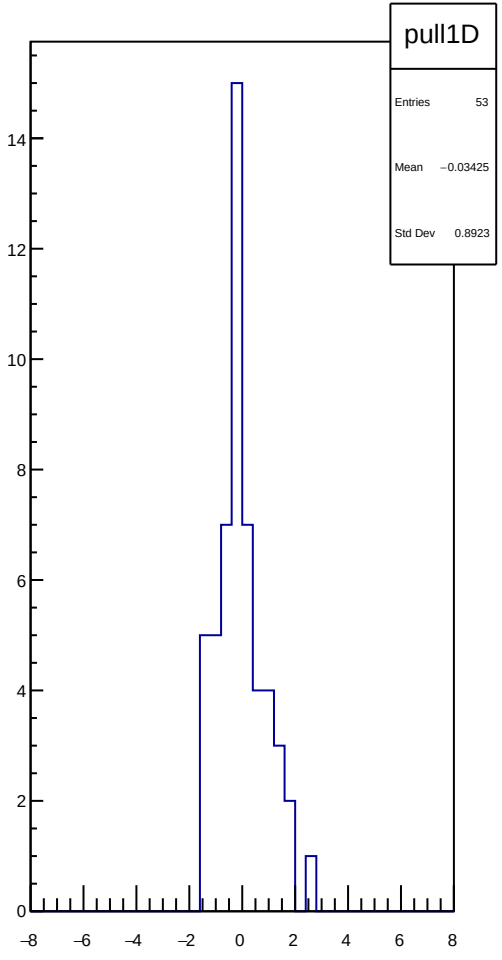

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 4.197e+04 / 52
p0 294.8 ± 0.2964
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

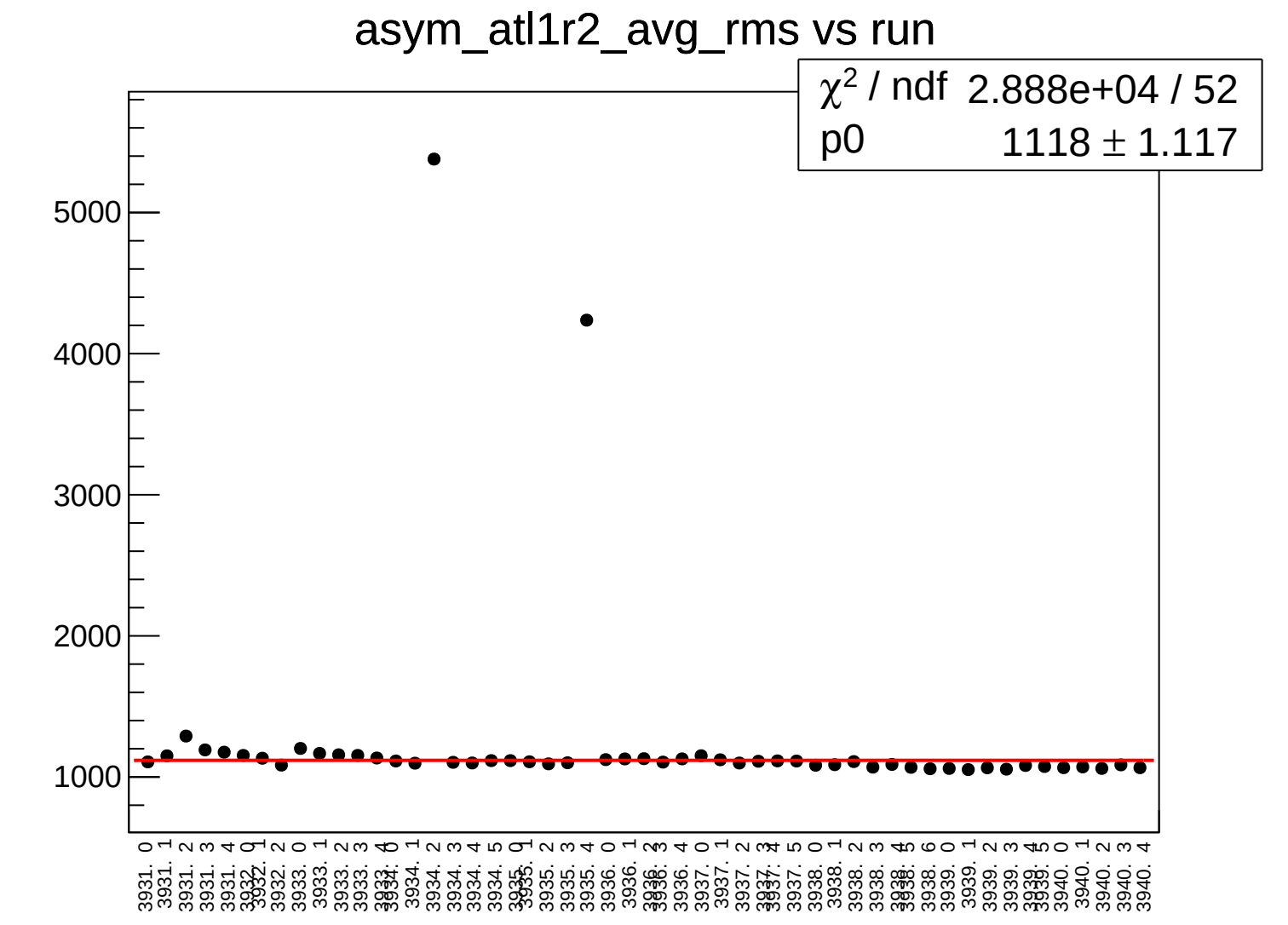

asym_atl1r2_avg_correction_mean vs run
χ² / ndf 41.9 / 52
p0 −466.1± 1486
pull
Entries 53
Mean −68.59
Std Dev 108.5

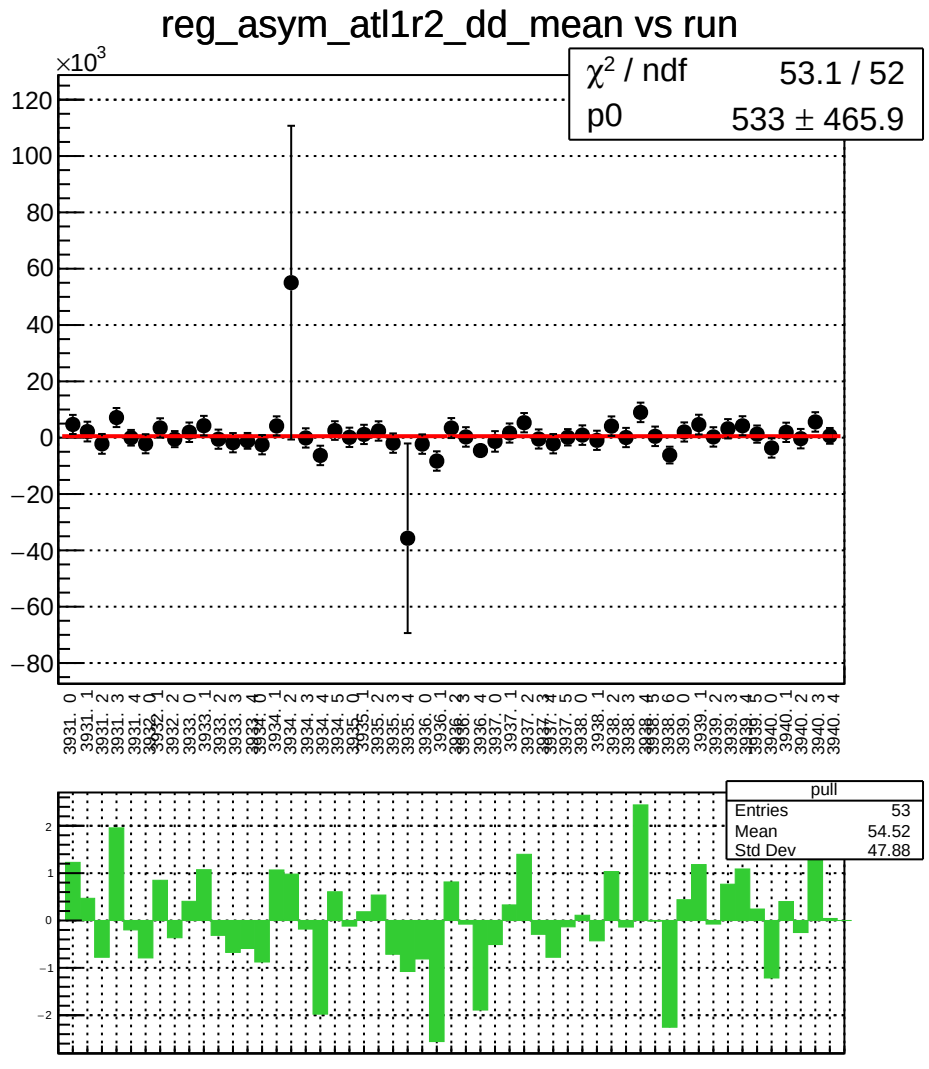

pull1D
Entries 53
Mean 0.007261
Std Dev 0.8891

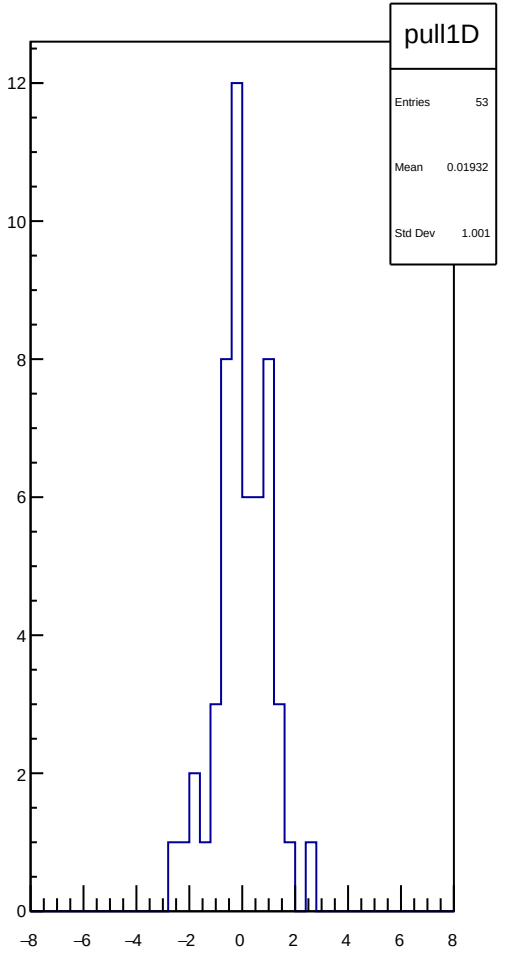

asym_atl1r2_avg_correction_rms vs run
χ² / ndf 1675 / 52
p0 1066 ± 1.05
1250
1200
1150
1100
1050
1000
950
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3933. 4
3934. 0
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 0
3935. 1
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 2
3936. 3
3936. 4
3937. 0
3937. 1
3937. 2
3937. 3
3937. 4
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 4
3938. 5
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3939. 4
3939. 5
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

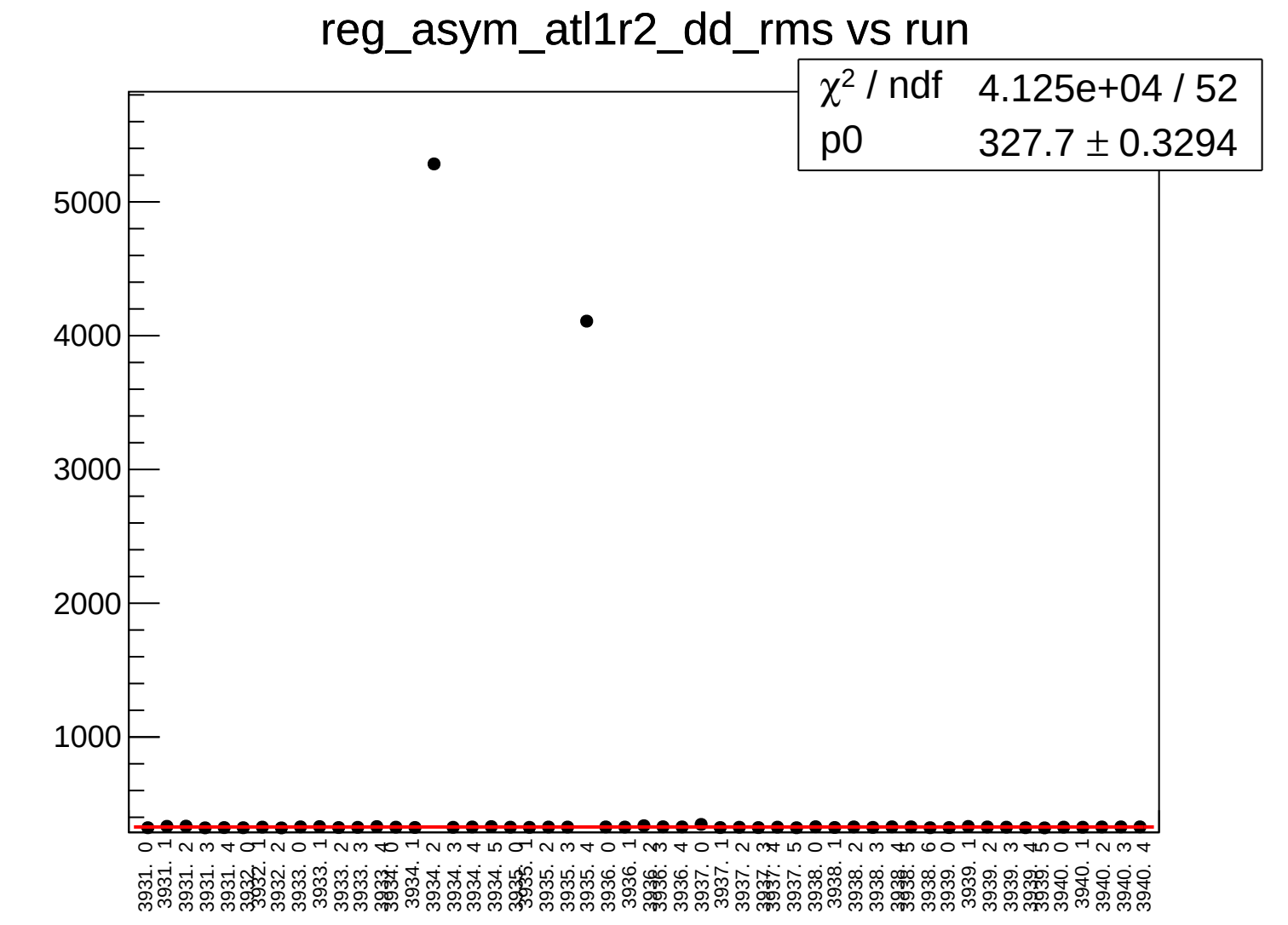

asym_atl1r2_avg_mean vs run
×10^3
χ^2 / ndf 42.26 / 52
p0 1380 ± 1579
pull
Entries 53
Mean 15.31
Std Dev 20.79

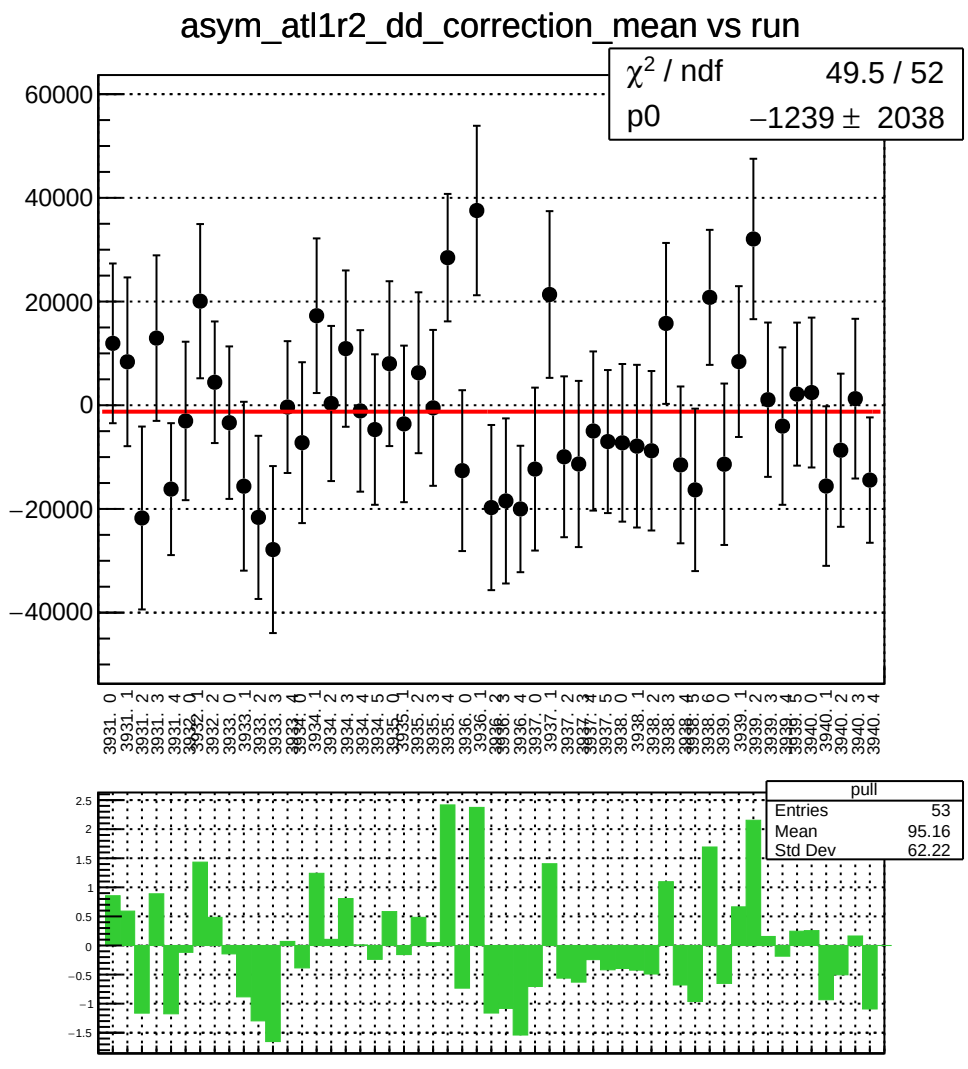

pull1D
Entries 53
Mean −0.03425
Std Dev 0.8923

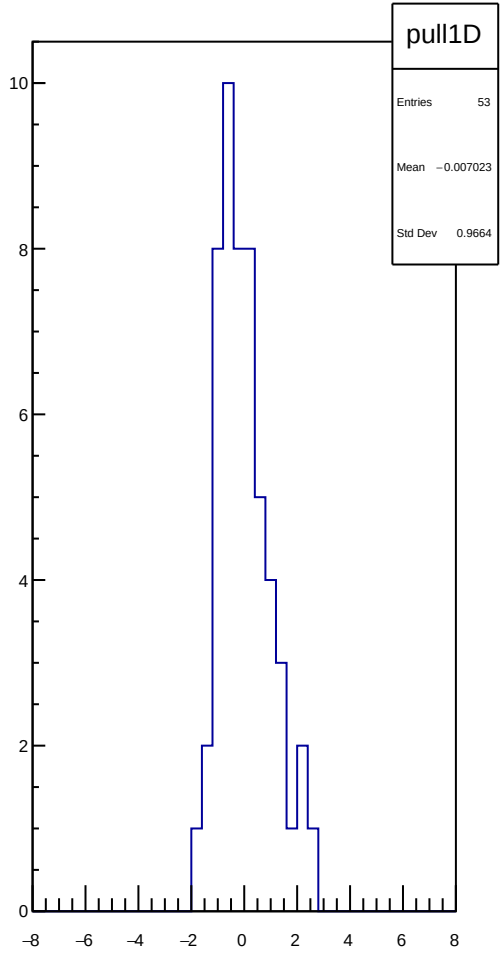

asym_atl1r2_avg_rms vs run
χ² / ndf 2.888e+04 / 52
p0 1118 ± 1.117
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

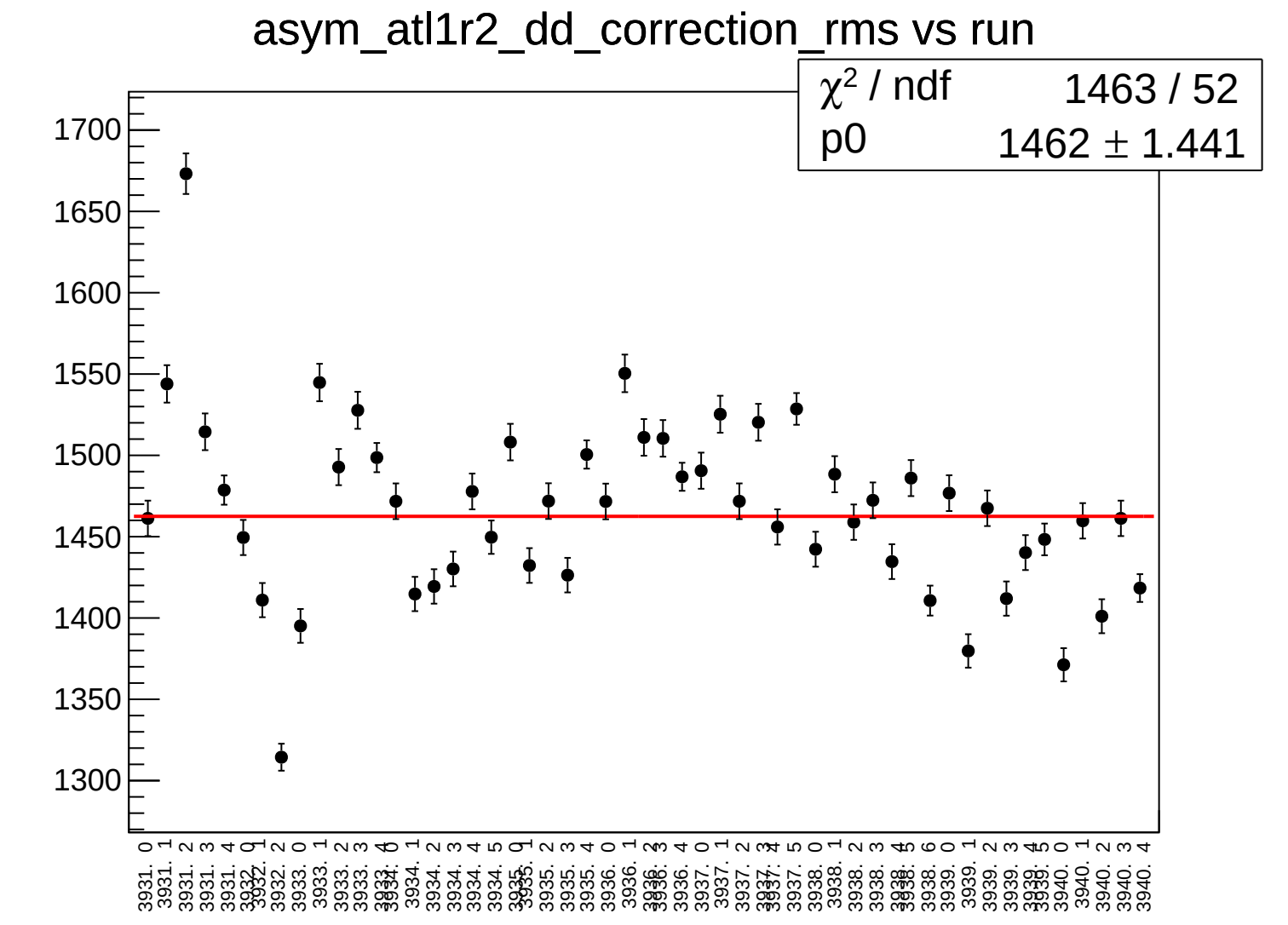

reg_asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 53.1 / 52
p0 533 ± 465.9
pull
Entries 53
Mean 54.52
Std Dev 47.88

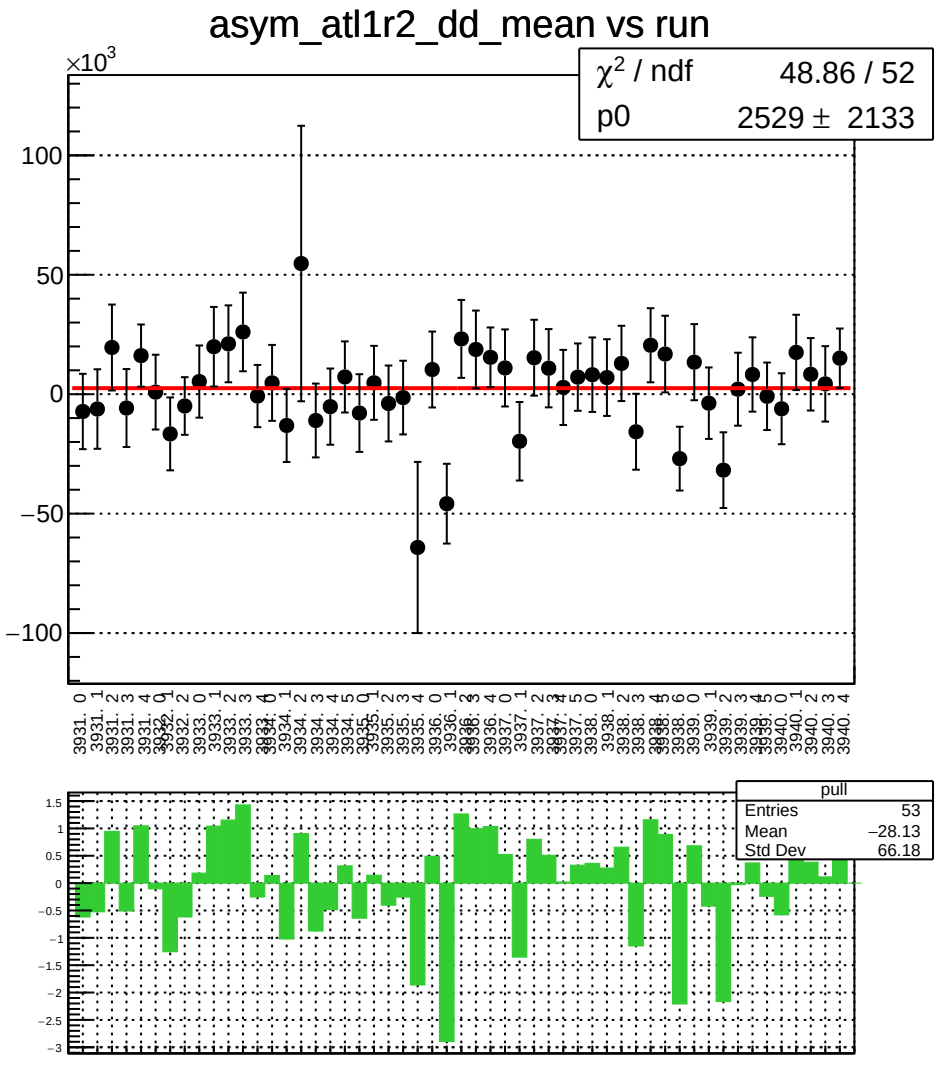

pull1D
Entries 53
Mean 0.01932
Std Dev 1.001

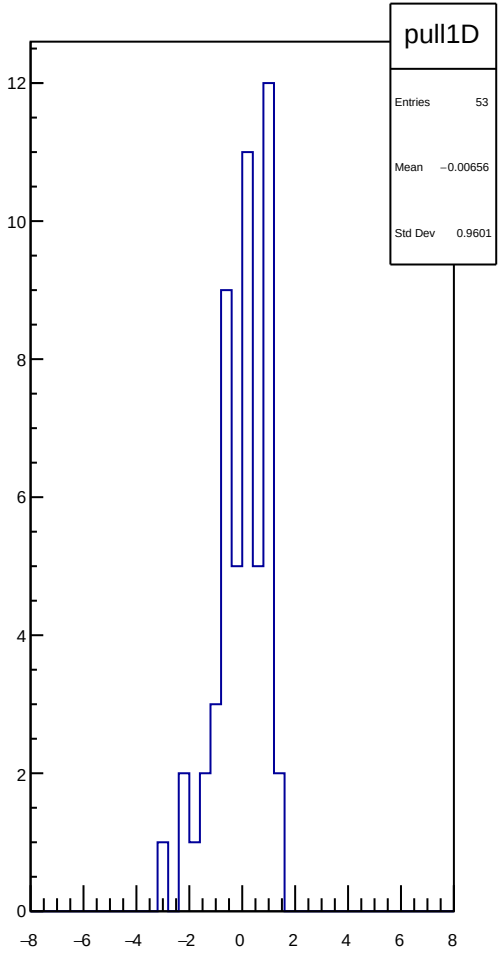

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 4.125e+04 / 52
p0 327.7 ± 0.3294
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

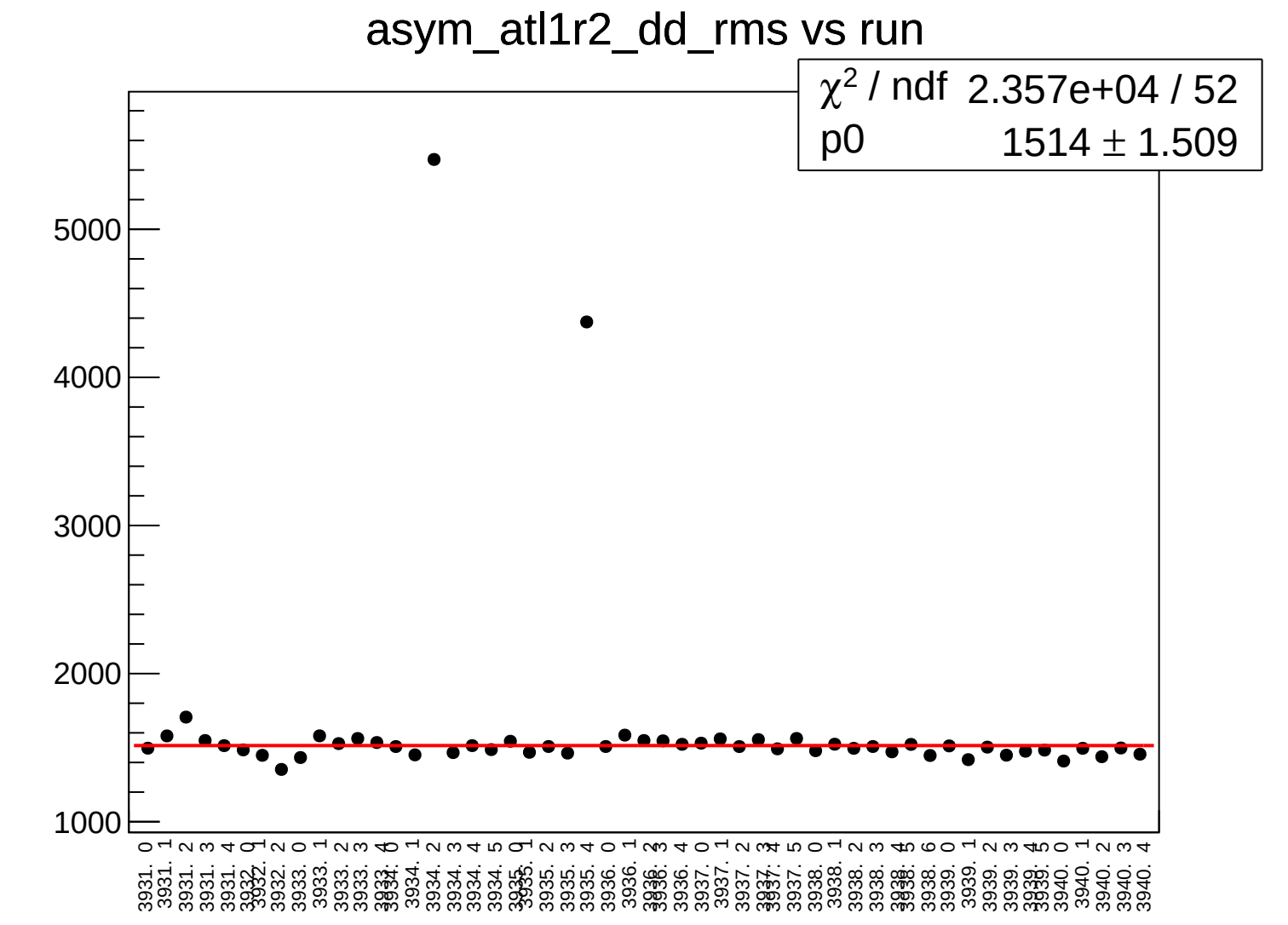

asym_atl1r2_dd_correction_mean vs run
χ² / ndf 49.5 / 52
p0 −1239 ± 2038
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 95.16
Std Dev 62.22
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

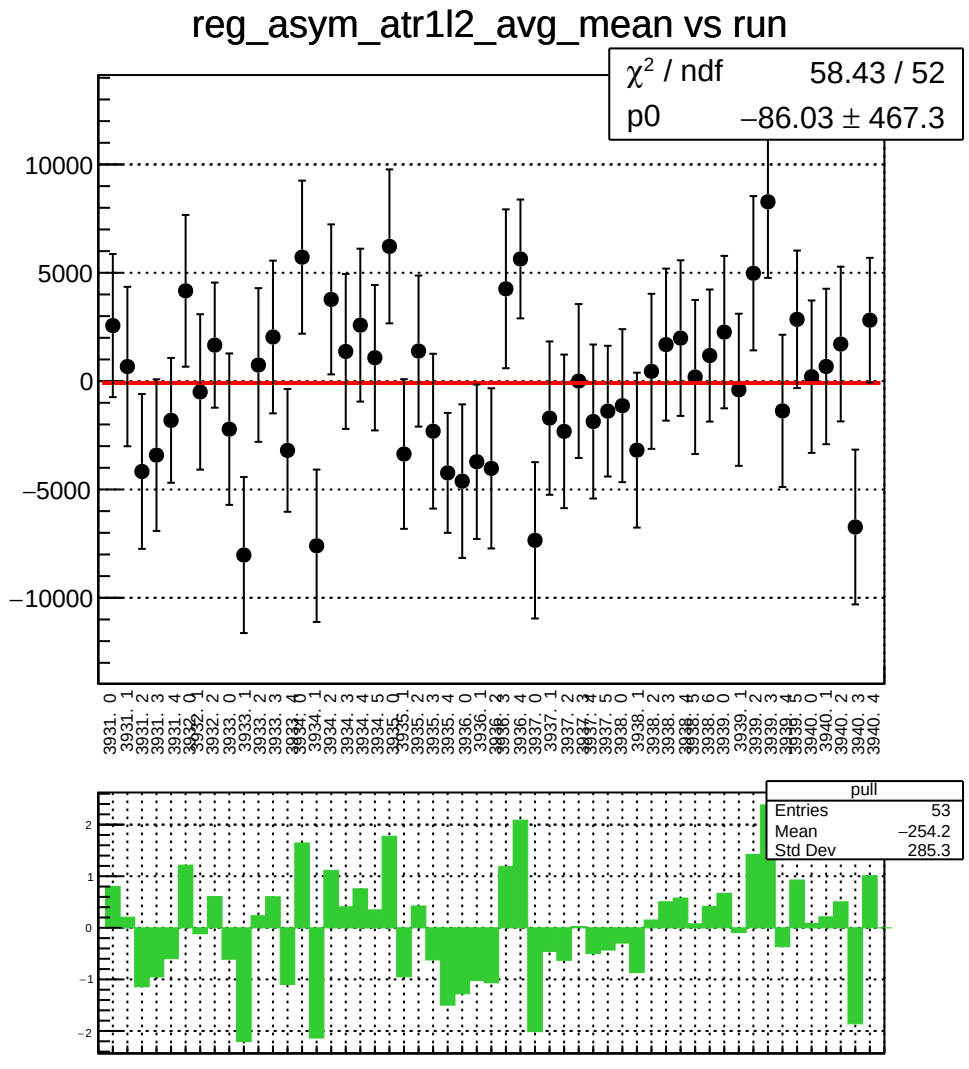

pull1D
Entries 53
Mean −0.007023
Std Dev 0.9664
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

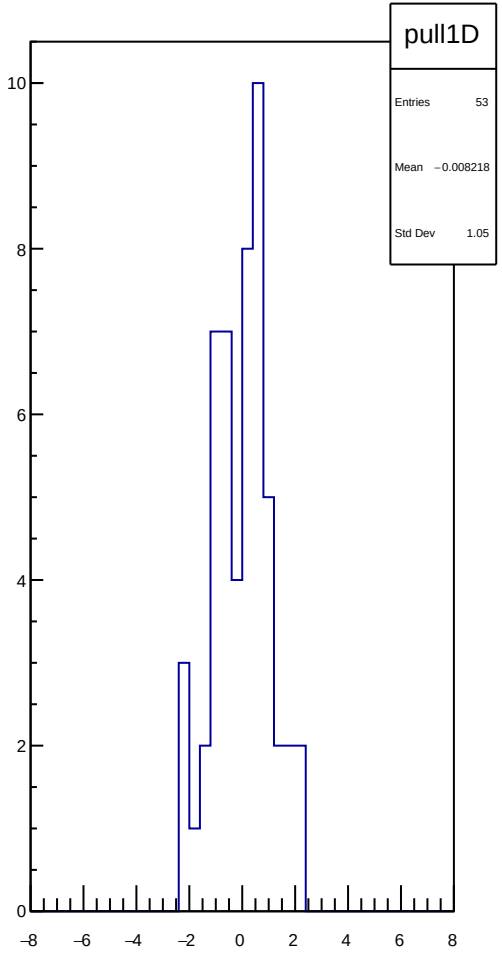

asym_atl1r2_dd_correction_rms vs run
χ² / ndf 1463 / 52
p0 1462 ± 1.441
1700
1650
1600
1550
1500
1450
1400
1350
1300
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

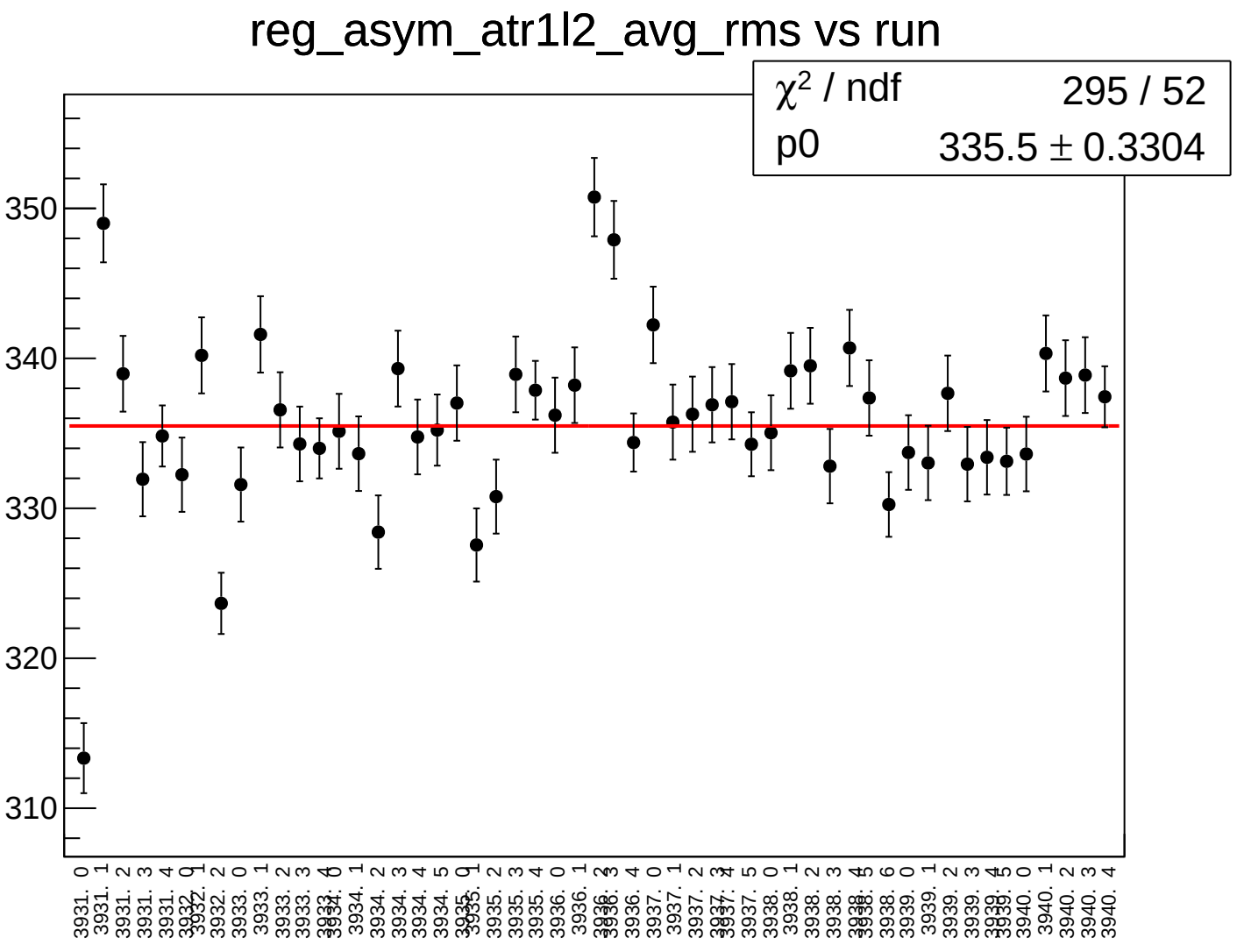

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 48.86 / 52
p0 2529 ± 2133
100
50
0
−50
−100
pull
Entries 53
Mean −28.13
Std Dev 66.18
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

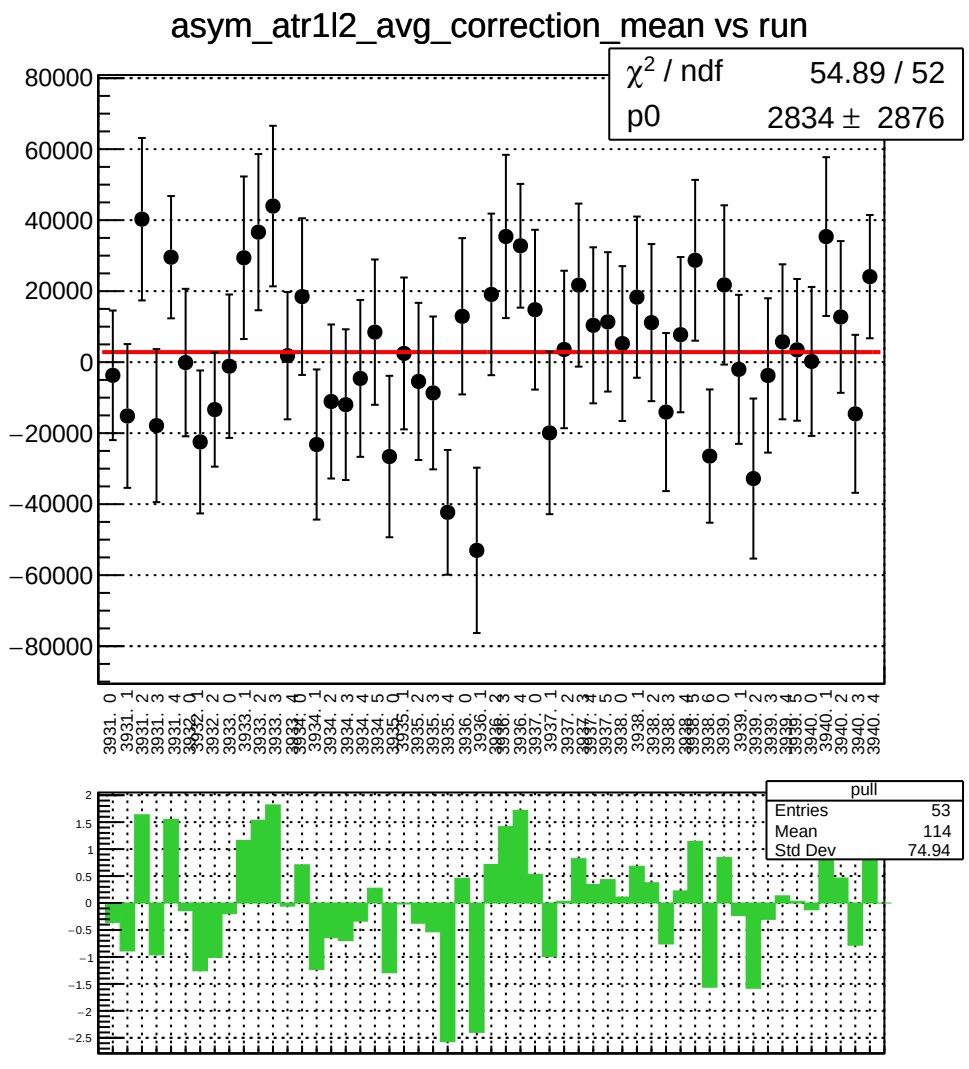

pull1D
Entries 53
Mean −0.00656
Std Dev 0.9601
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

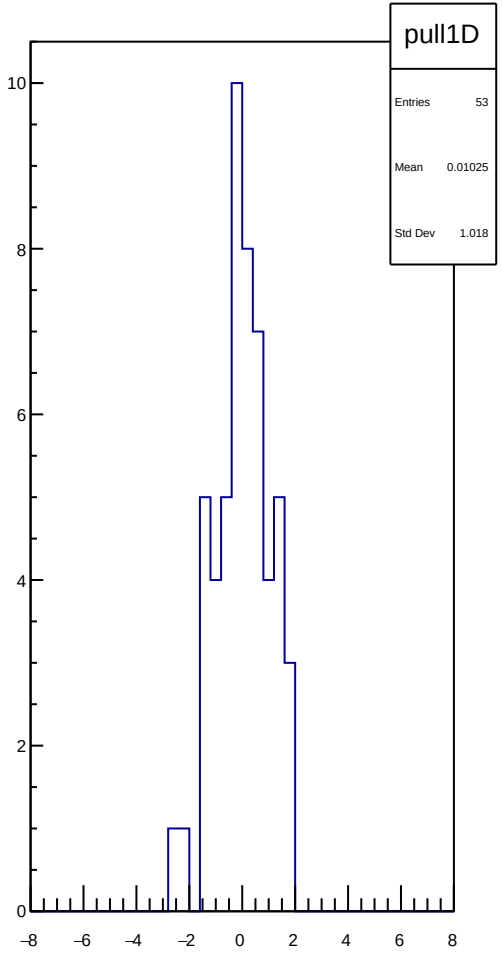

asym_atl1r2_dd_rms vs run
χ² / ndf 2.357e+04 / 52
p0 1514 ± 1.509
5000
4000
3000
2000
1000
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

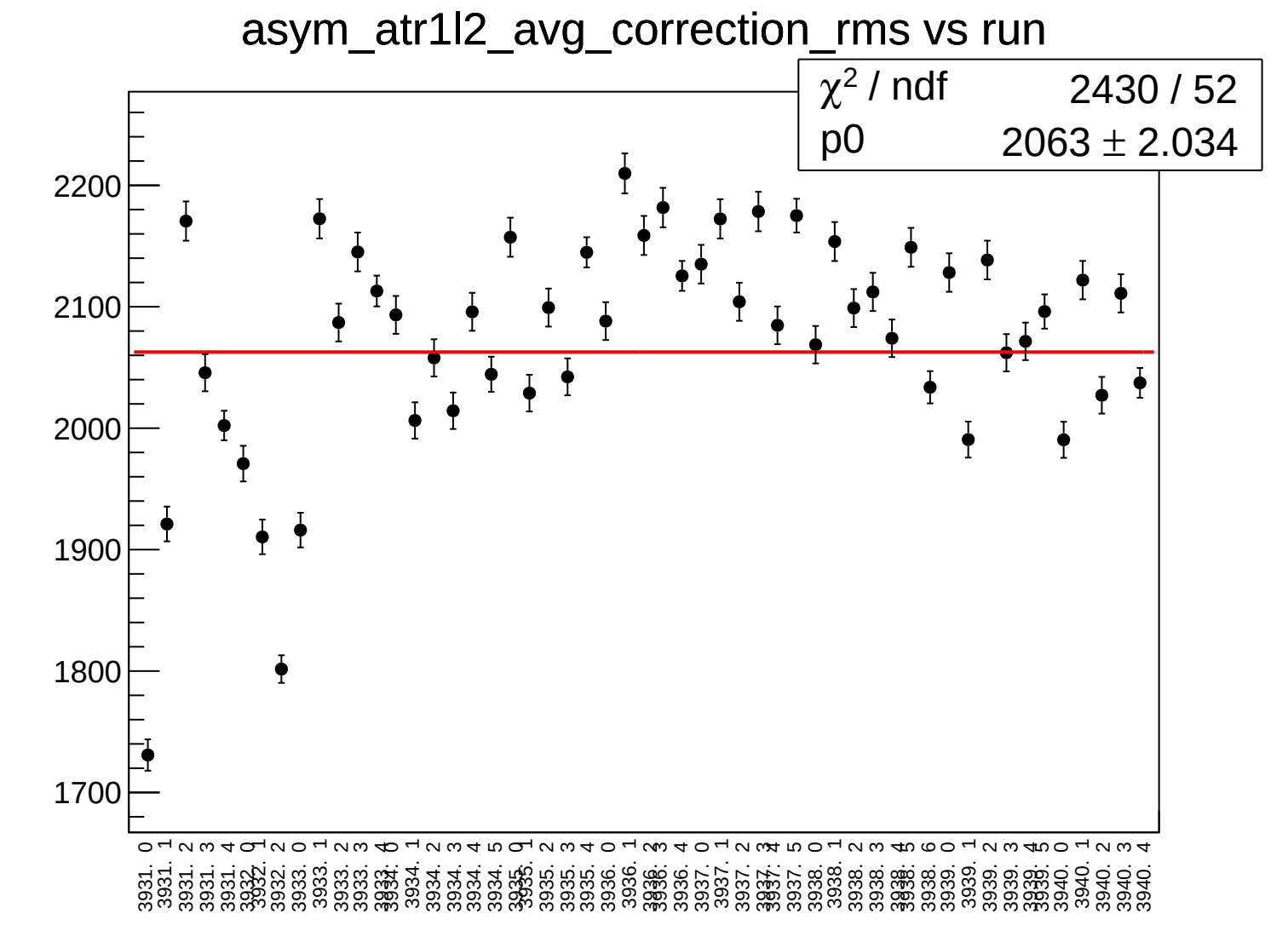

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 58.43 / 52
p0 −86.03 ± 467.3
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −254.2
Std Dev 285.3
2
1
0
−1
−2

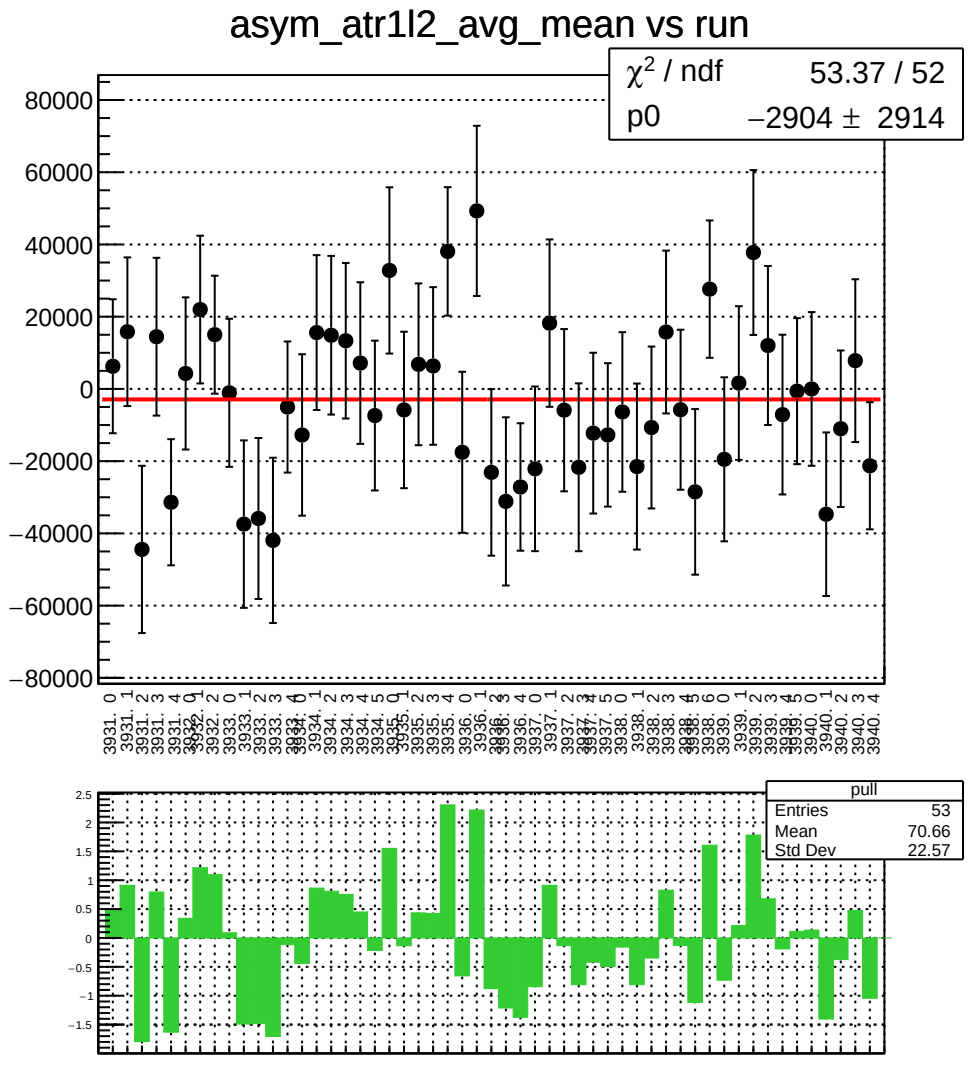

pull1D
Entries 53
Mean −0.008218
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

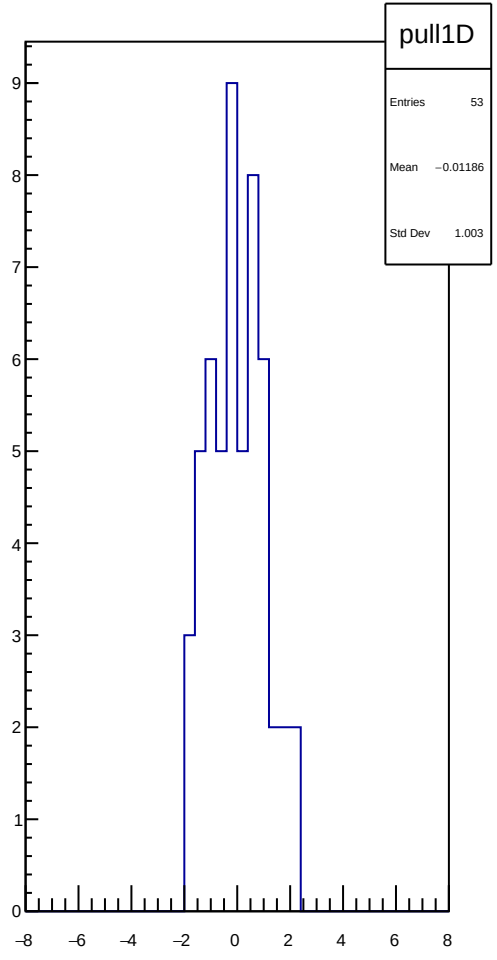

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 295 / 52
p0 335.5 ± 0.3304
350
340
330
320
310

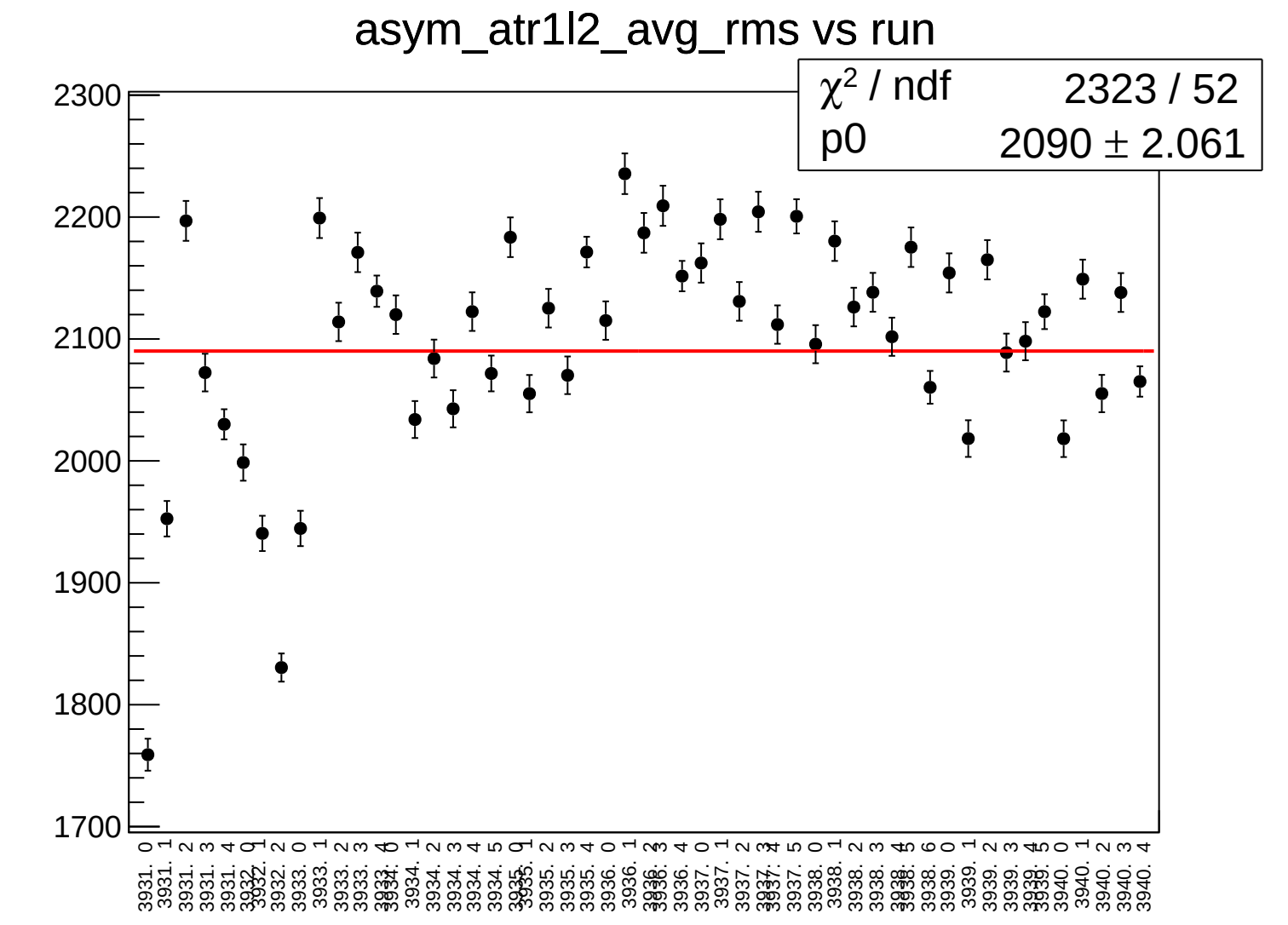

asym_atr1l2_avg_correction_mean vs run
χ² / ndf 54.89 / 52
p0 2834 ± 2876
pull
Entries 53
Mean 114
Std Dev 74.94

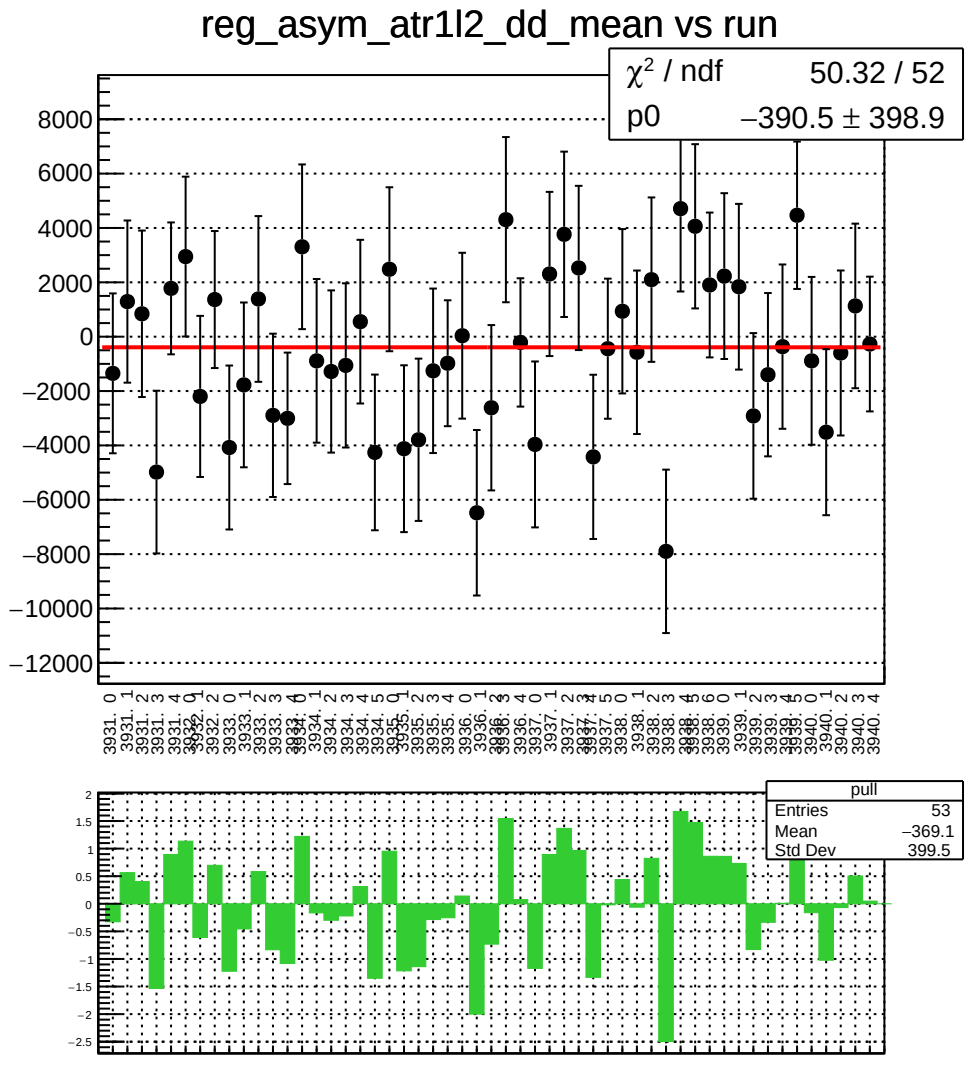

pull1D
Entries 53
Mean 0.01025
Std Dev 1.018

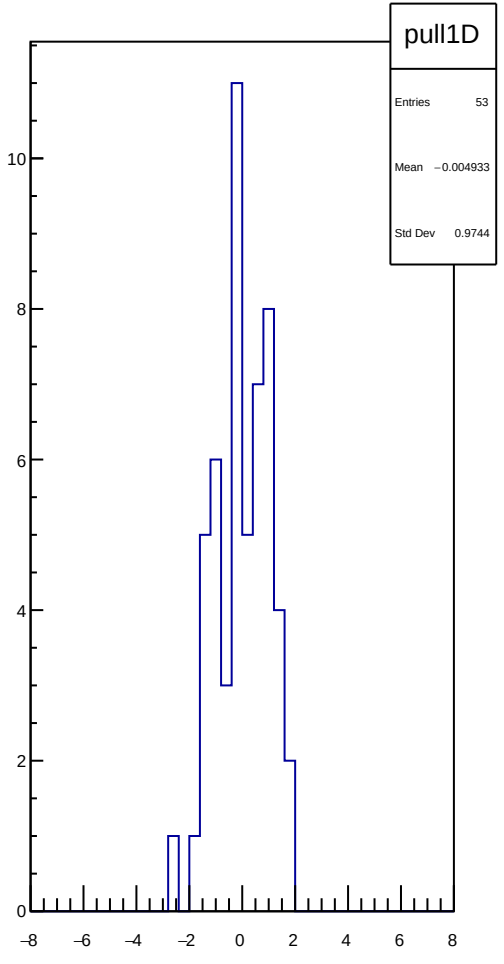

asym_atr1l2_avg_correction_rms vs run
χ² / ndf 2430 / 52
p0 2063 ± 2.034
2200
2100
2000
1900
1800
1700

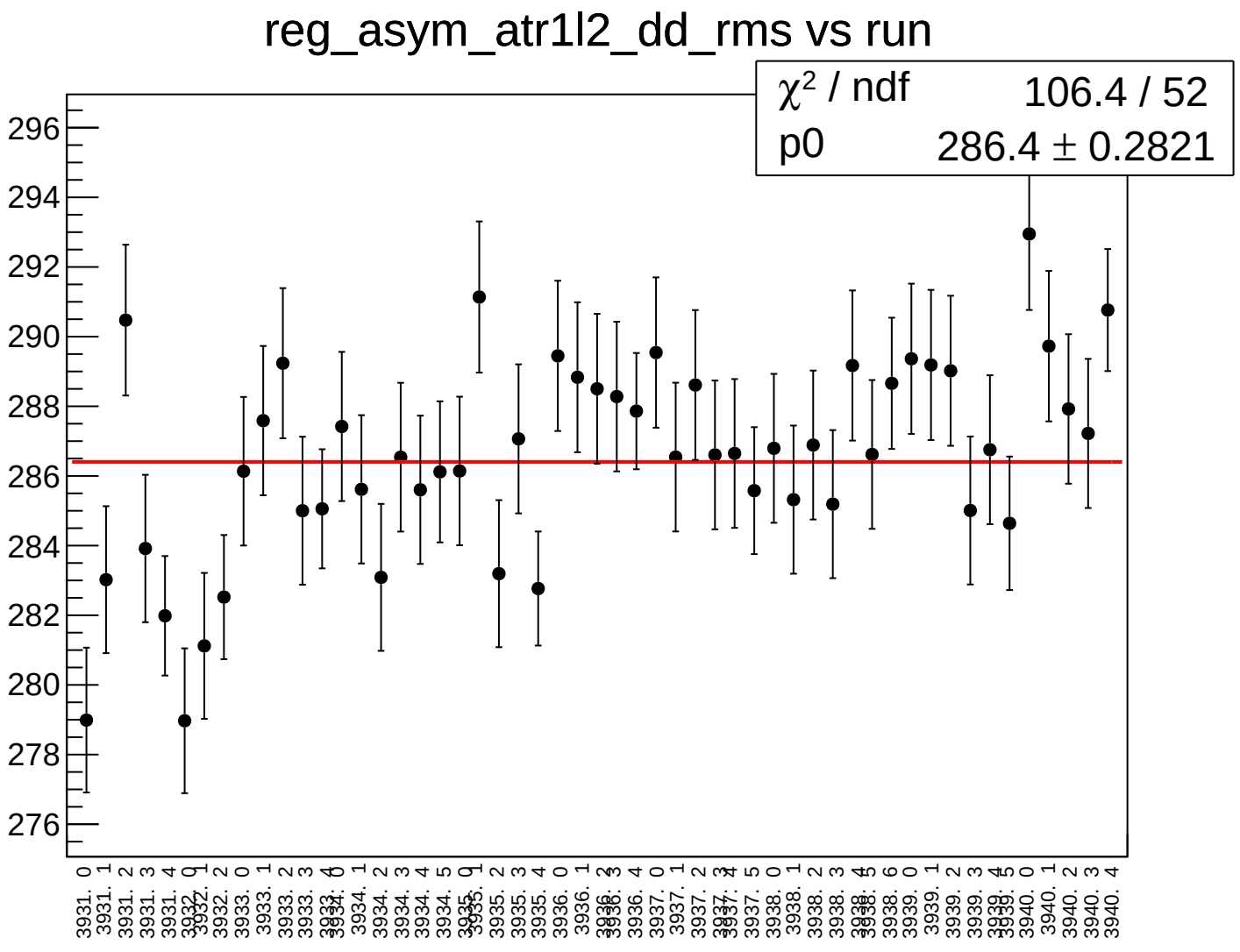

asym_atr1l2_avg_mean vs run
χ² / ndf 53.37 / 52
p0 −2904 ± 2914
pull
Entries 53
Mean 70.66
Std Dev 22.57

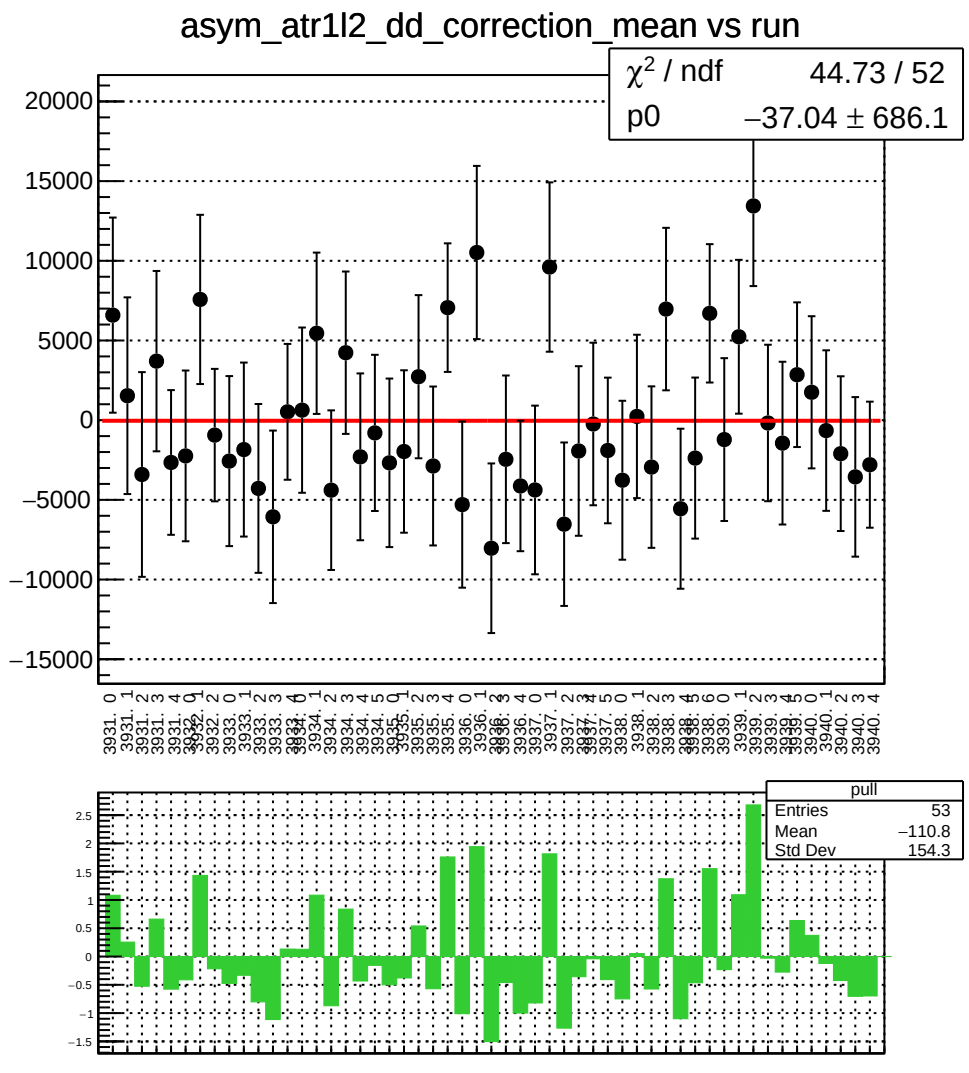

pull1D
Entries 53
Mean −0.01186
Std Dev 1.003

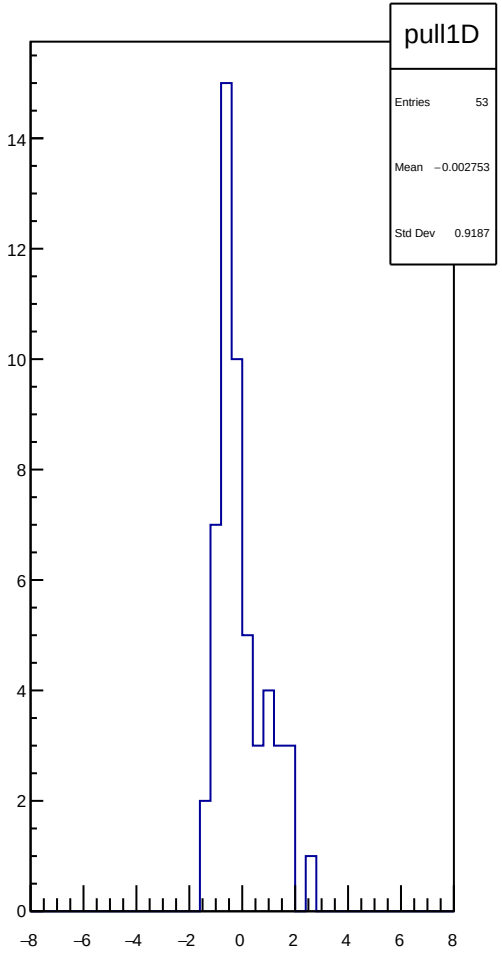

asym_atr1l2_avg_rms vs run
χ² / ndf 2323 / 52
p0 2090 ± 2.061
2300
2200
2100
2000
1900
1800
1700
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

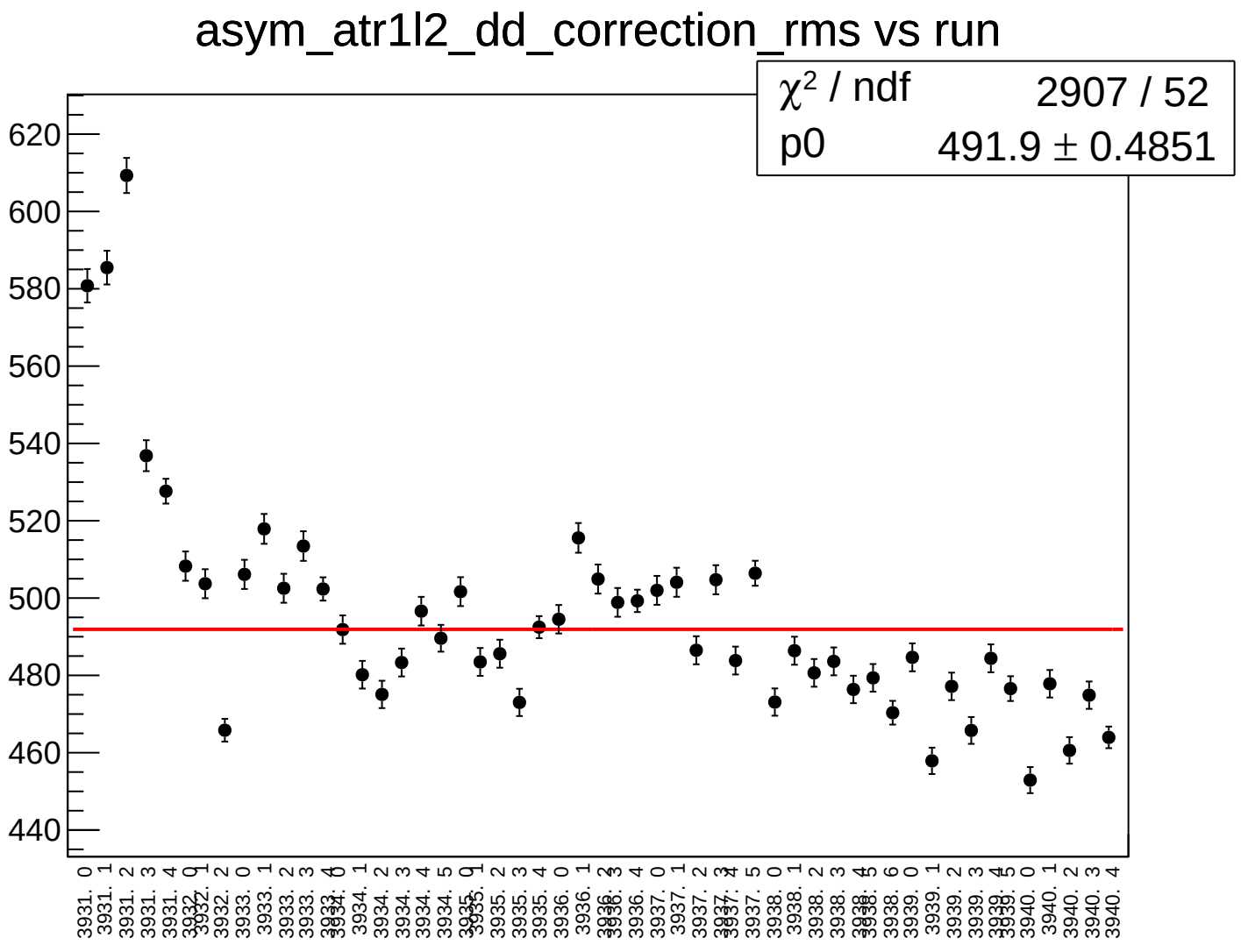

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 50.32 / 52
p0 −390.5 ± 398.9
pull
Entries 53
Mean −369.1
Std Dev 399.5

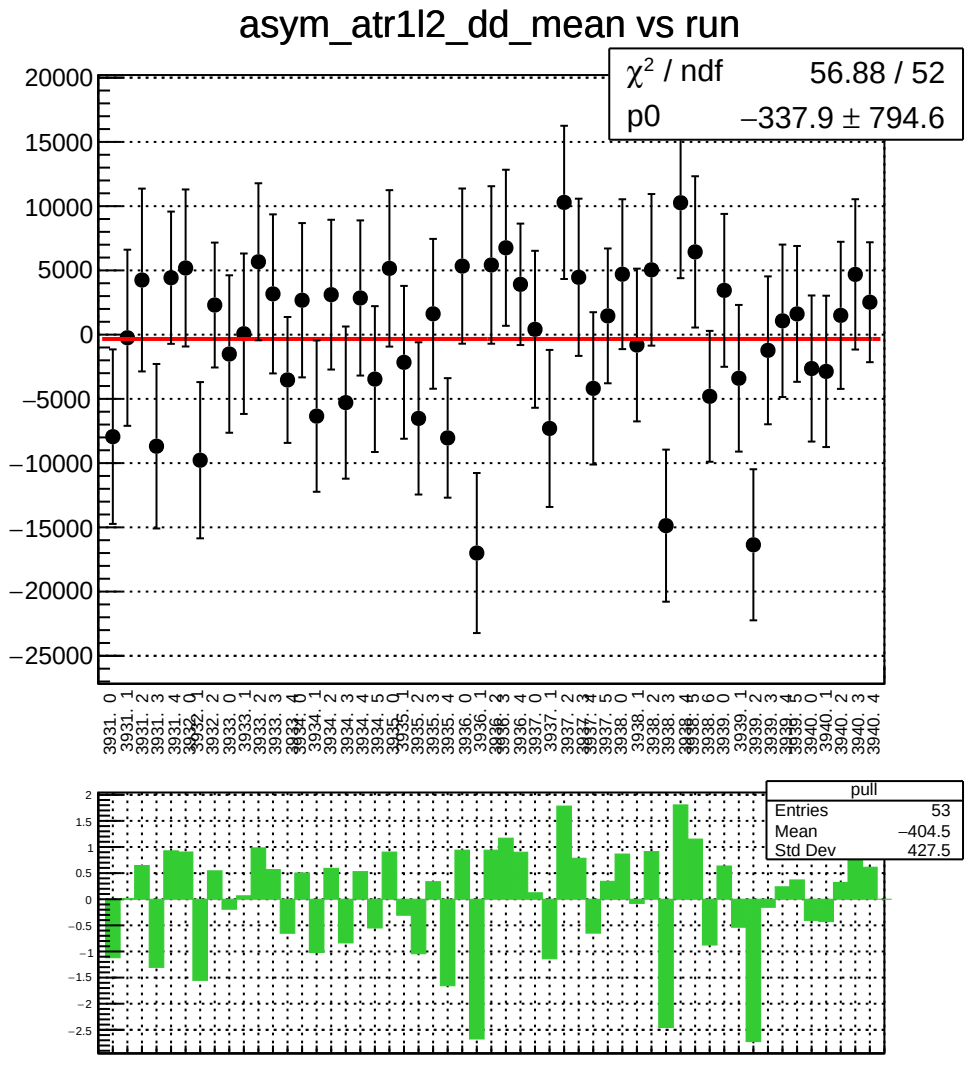

pull1D
Entries 53
Mean −0.004933
Std Dev 0.9744

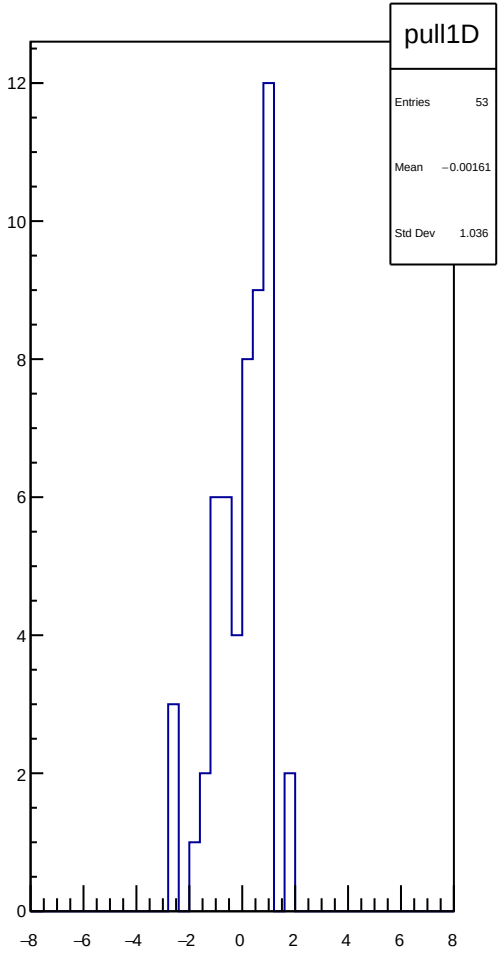

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 106.4 / 52
p0 286.4 ± 0.2821
296
294
292
290
288
286
284
282
280
278
276
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4

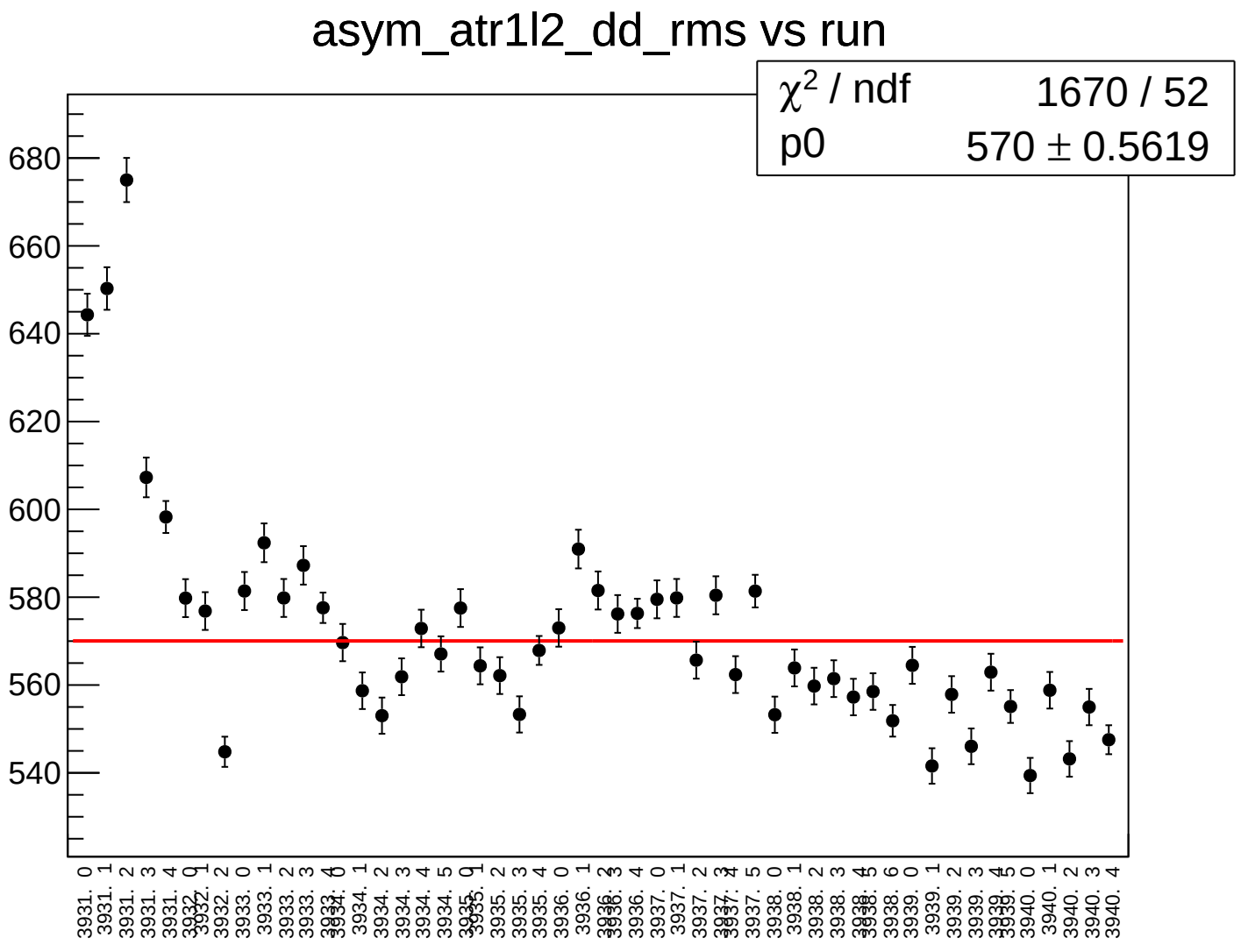

asym_atr1l2_dd_correction_mean vs run
χ² / ndf 44.73 / 52
p0 −37.04 ± 686.1
pull
Entries 53
Mean −110.8
Std Dev 154.3


pull1D
Entries 53
Mean −0.002753
Std Dev 0.9187


asym_atr1l2_dd_correction_rms vs run
χ² / ndf 2907 / 52
p0 491.9 ± 0.4851
620
600
580
560
540
520
500
480
460
440
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4


asym_atr1l2_dd_mean vs run
χ² / ndf 56.88 / 52
p0 −337.9 ± 794.6
pull
Entries 53
Mean −404.5
Std Dev 427.5


pull1D
Entries 53
Mean −0.00161
Std Dev 1.036


asym_atr1l2_dd_rms vs run
χ² / ndf 1670 / 52
p0 570 ± 0.5619
680
660
640
620
600
580
560
540
3931. 0
3931. 1
3931. 2
3931. 3
3931. 4
3932. 0
3932. 1
3932. 2
3933. 0
3933. 1
3933. 2
3933. 3
3934. 1
3934. 2
3934. 3
3934. 4
3934. 5
3935. 2
3935. 3
3935. 4
3936. 0
3936. 1
3936. 4
3937. 0
3937. 1
3937. 2
3937. 5
3938. 0
3938. 1
3938. 2
3938. 3
3938. 6
3939. 0
3939. 1
3939. 2
3939. 3
3940. 0
3940. 1
3940. 2
3940. 3
3940. 4