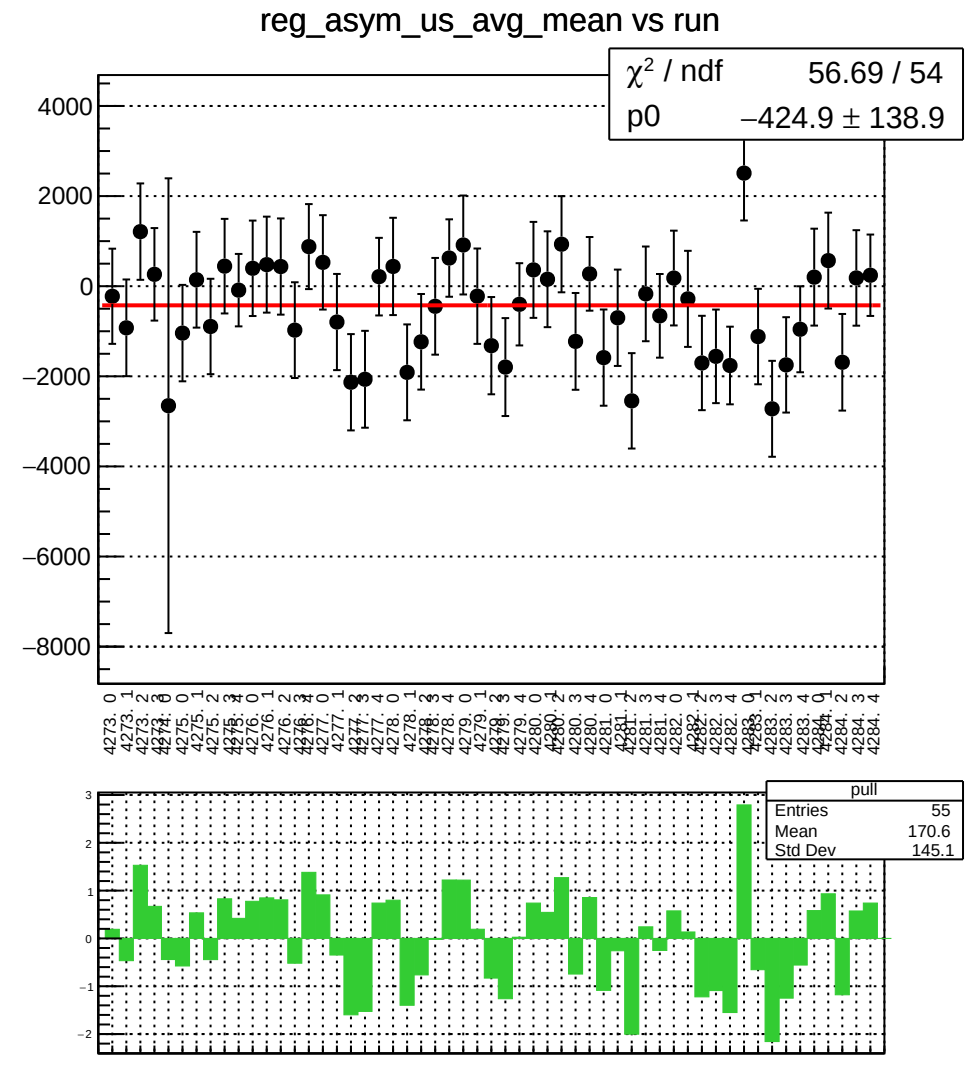
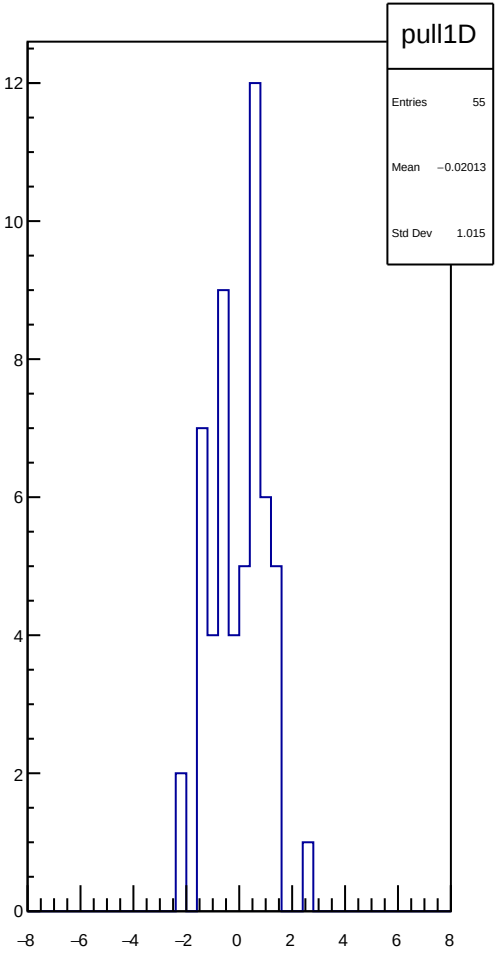
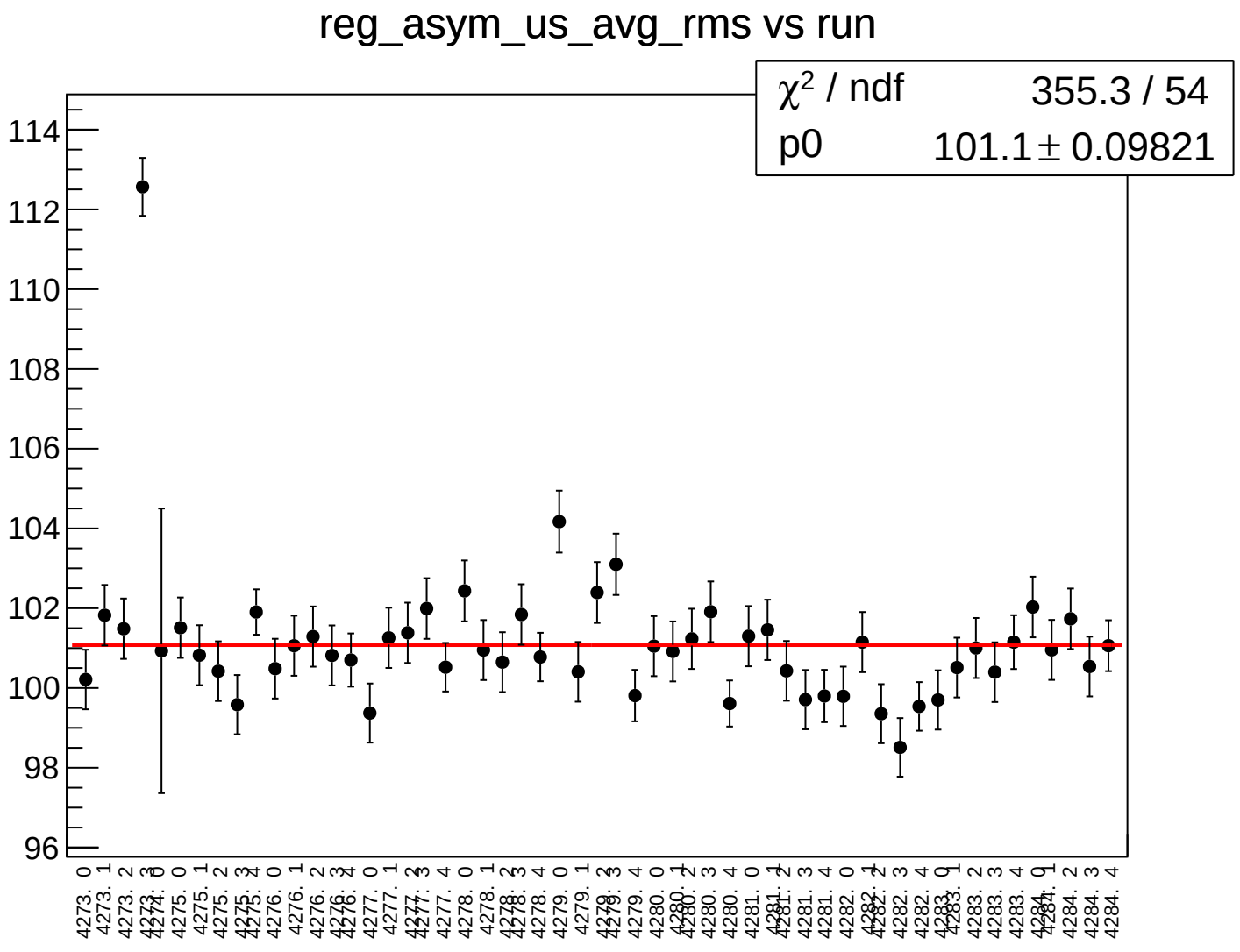

reg_asym_us_avg_mean vs run
χ² / ndf 56.69 / 54
p0 −424.9 ± 138.9
pull
Entries 55
Mean 170.6
Std Dev 145.1


pull1D
Entries 55
Mean −0.02013
Std Dev 1.015


reg_asym_us_avg_rms vs run
χ² / ndf 355.3 / 54
p0 101.1 ± 0.09821
114
112
110
108
106
104
102
100
98
96
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4275. 0
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4278. 4
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4279. 2
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4279. 4
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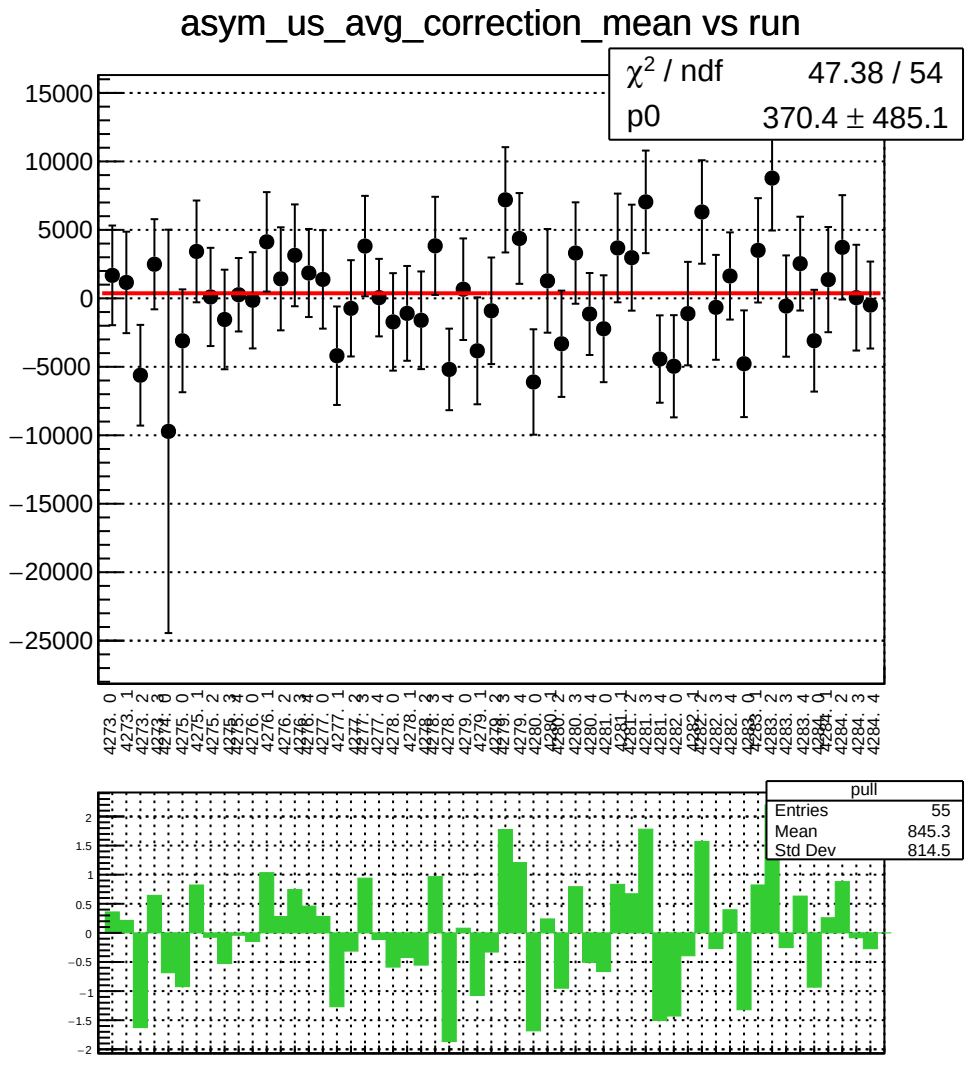
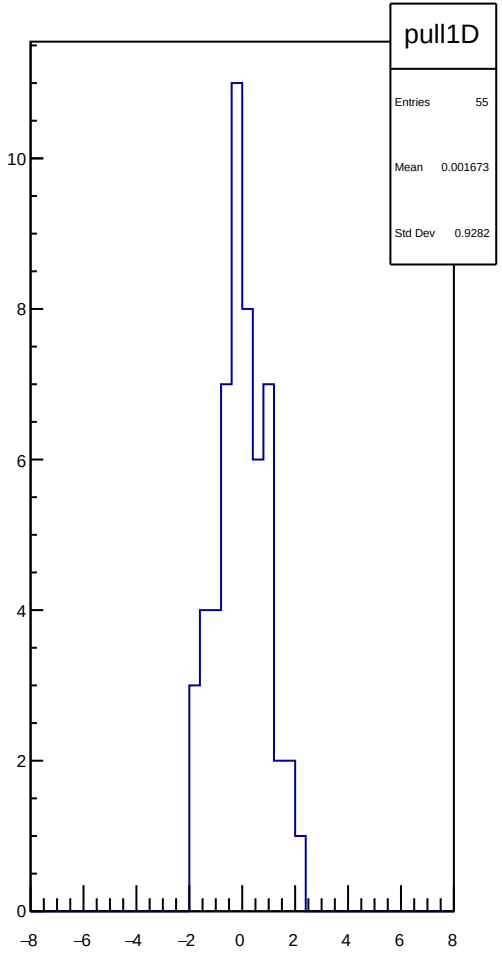
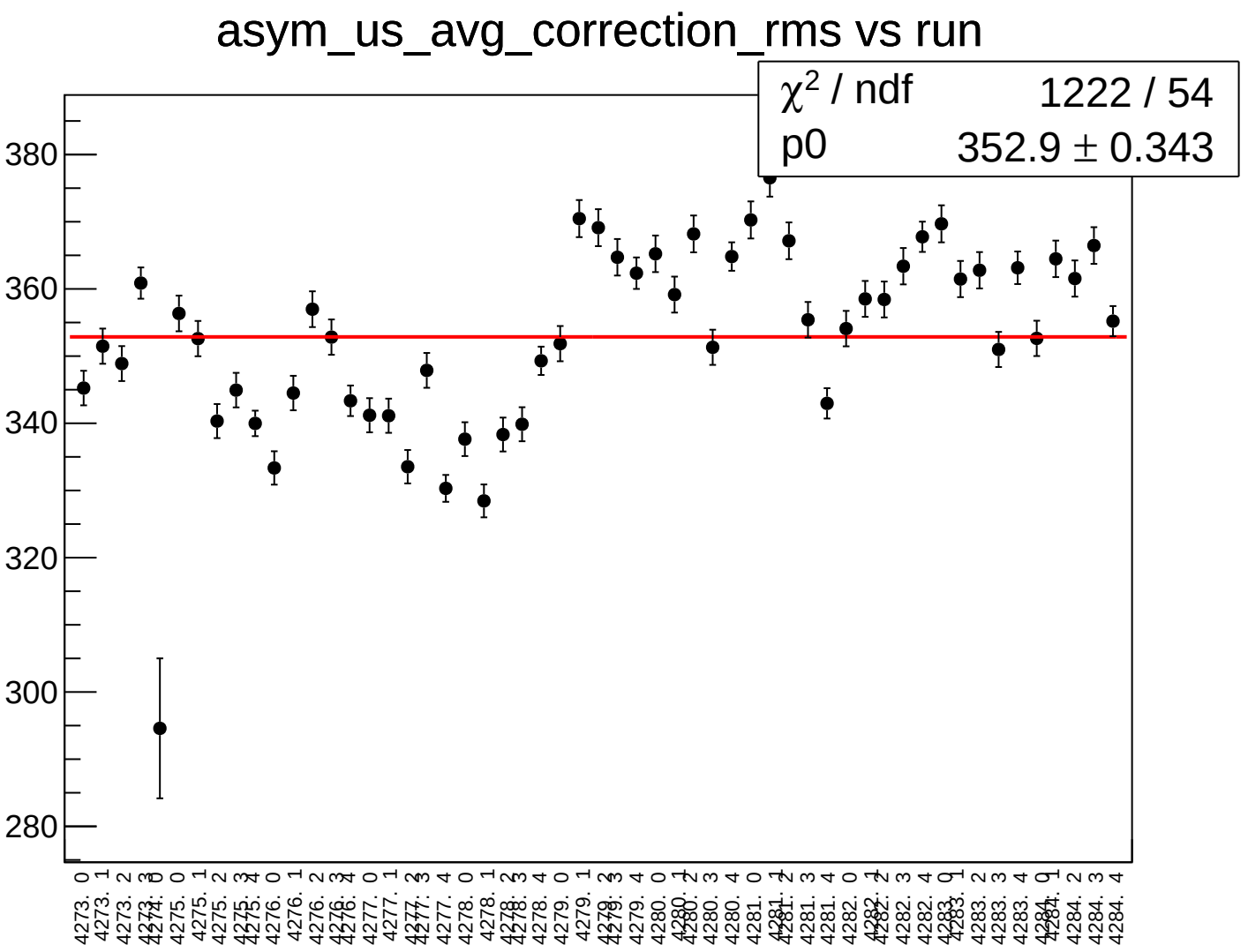

asym_us_avg_correction_mean vs run
χ² / ndf 47.38 / 54
p0 370.4 ± 485.1
pull
Entries 55
Mean 845.3
Std Dev 814.5


pull1D
Entries 55
Mean 0.001673
Std Dev 0.9282


asym_us_avg_correction_rms vs run
χ² / ndf 1222 / 54
p0 352.9 ± 0.343
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360
340
320
300
280
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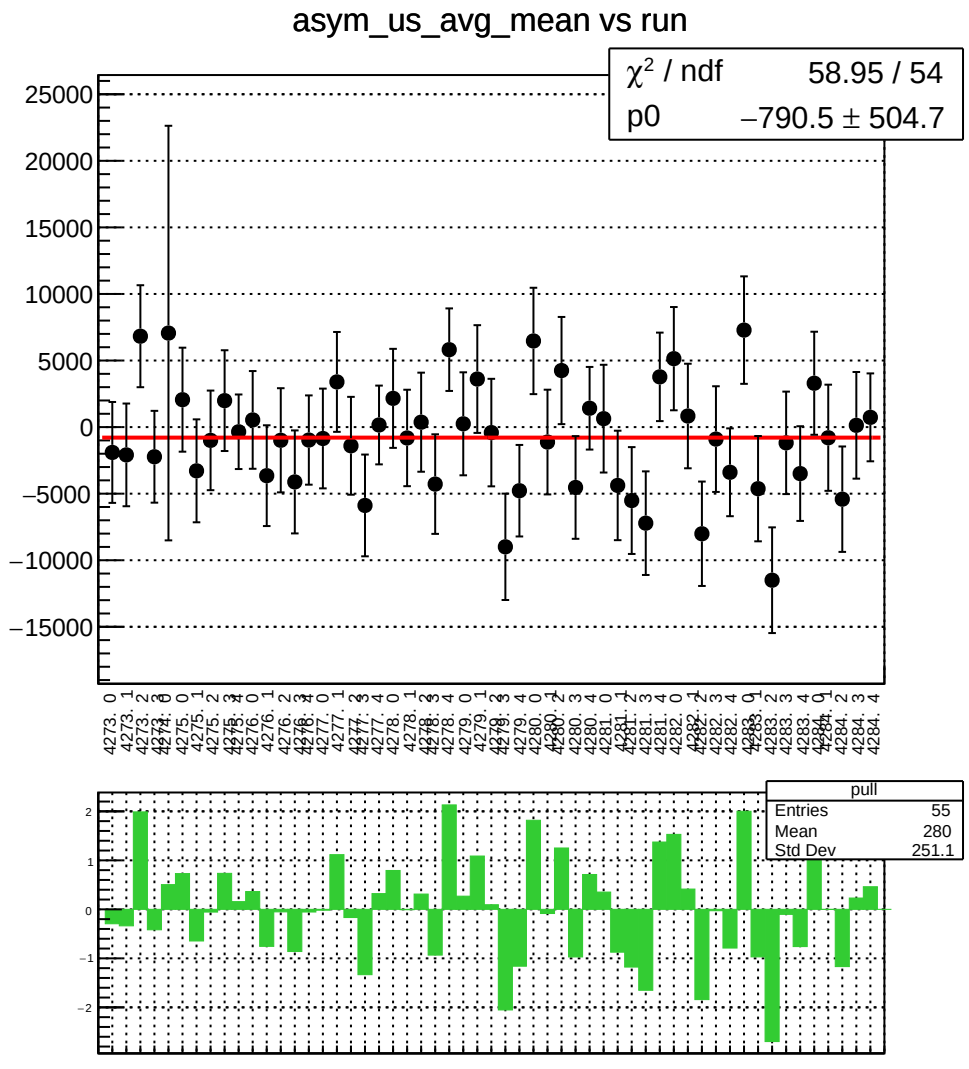
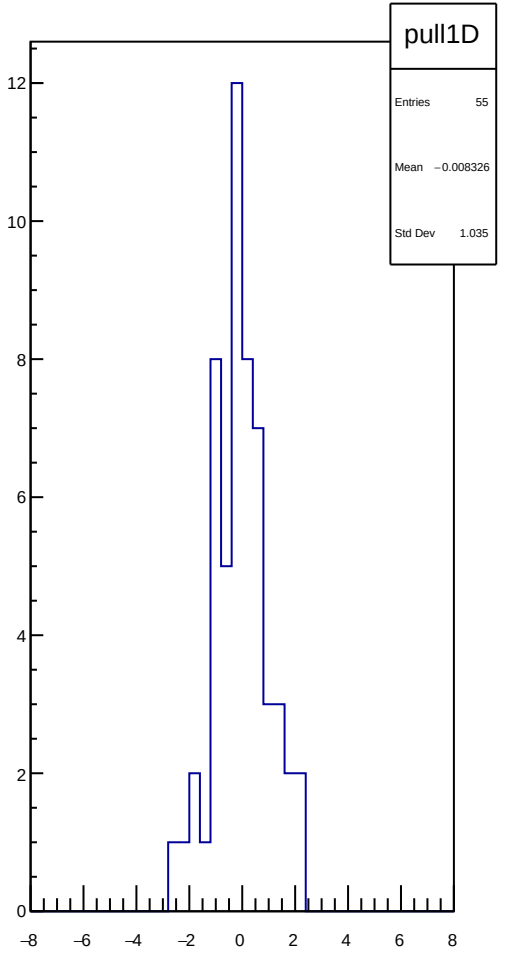
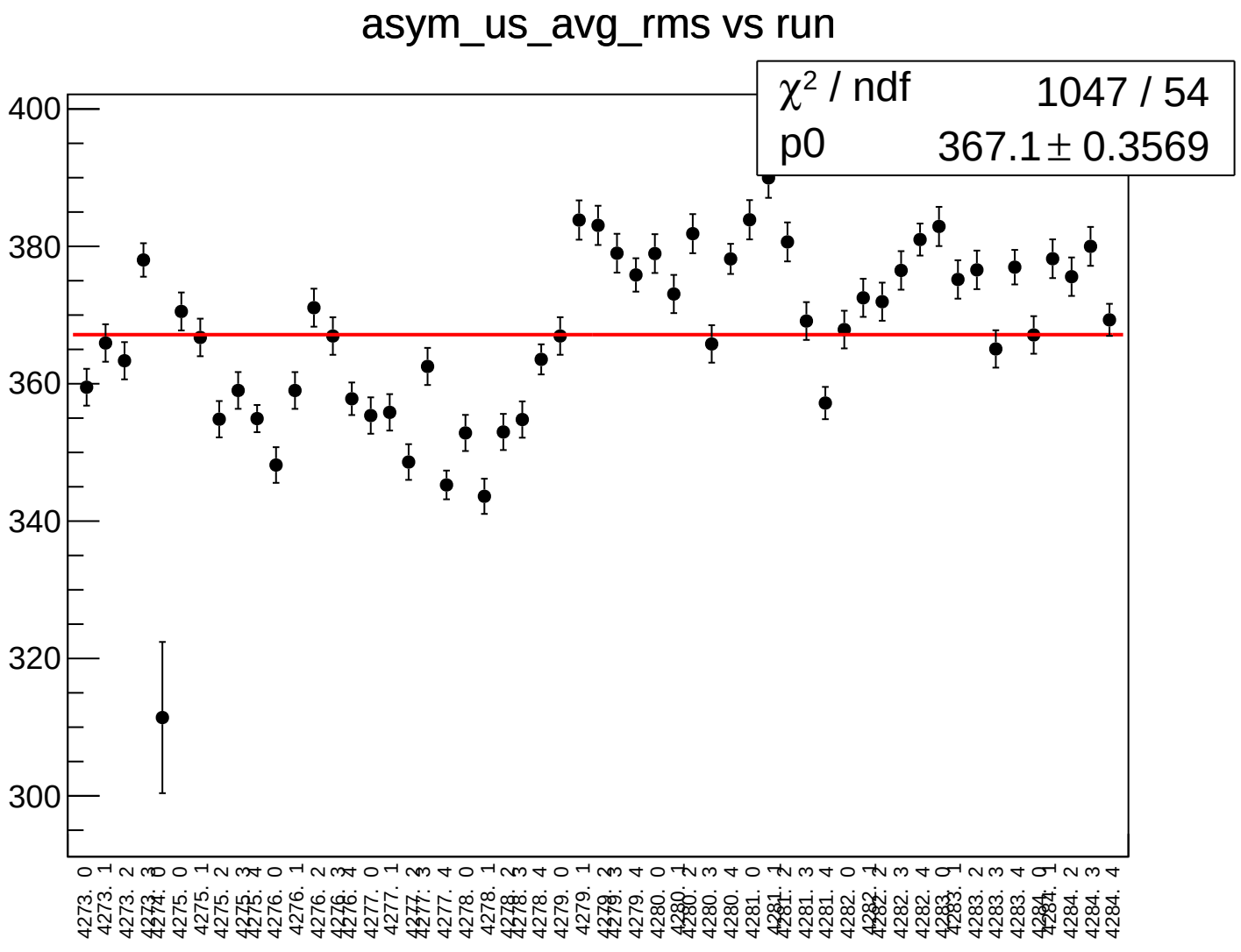

asym_us_avg_mean vs run
χ² / ndf 58.95 / 54
p0 −790.5 ± 504.7
pull
Entries 55
Mean 280
Std Dev 251.1


pull1D
Entries 55
Mean −0.008326
Std Dev 1.035


asym_us_avg_rms vs run
χ² / ndf 1047 / 54
p0 367.1 ± 0.3569
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380
360
340
320
300
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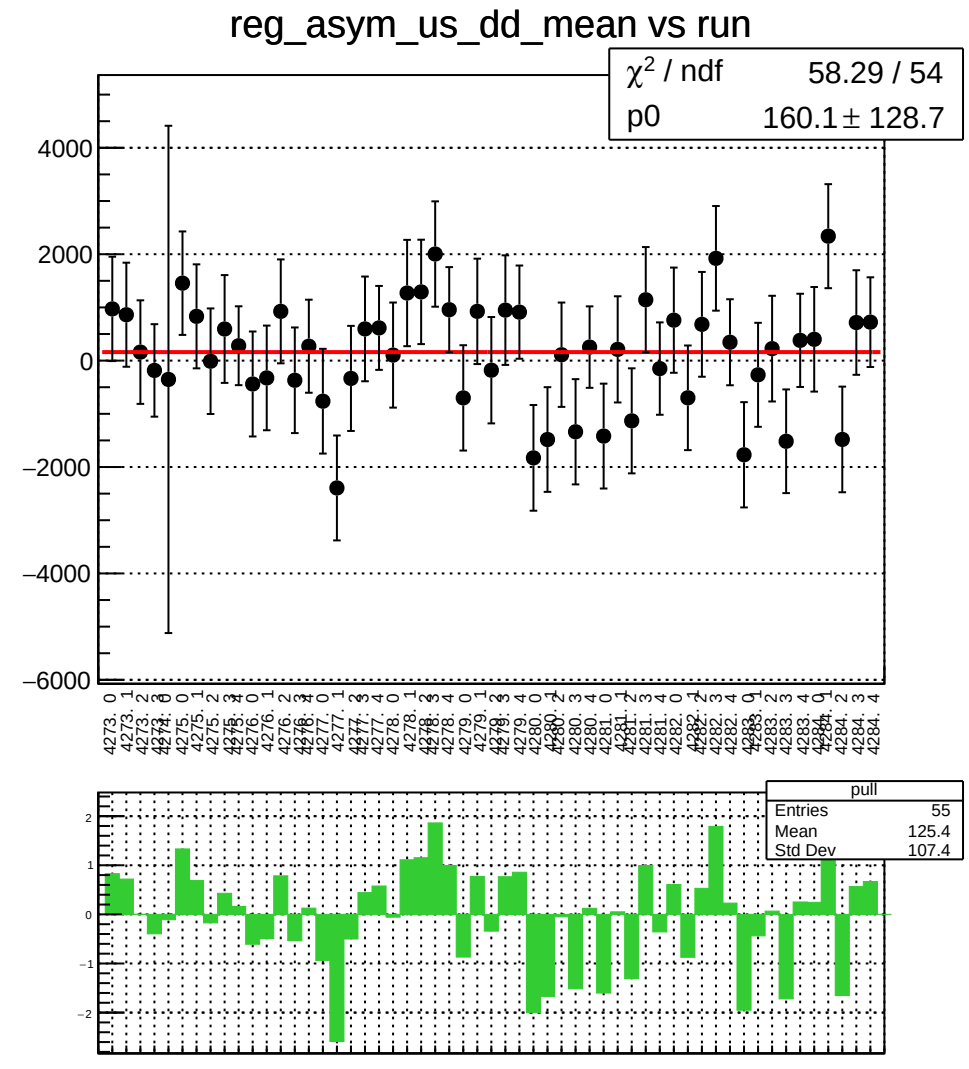
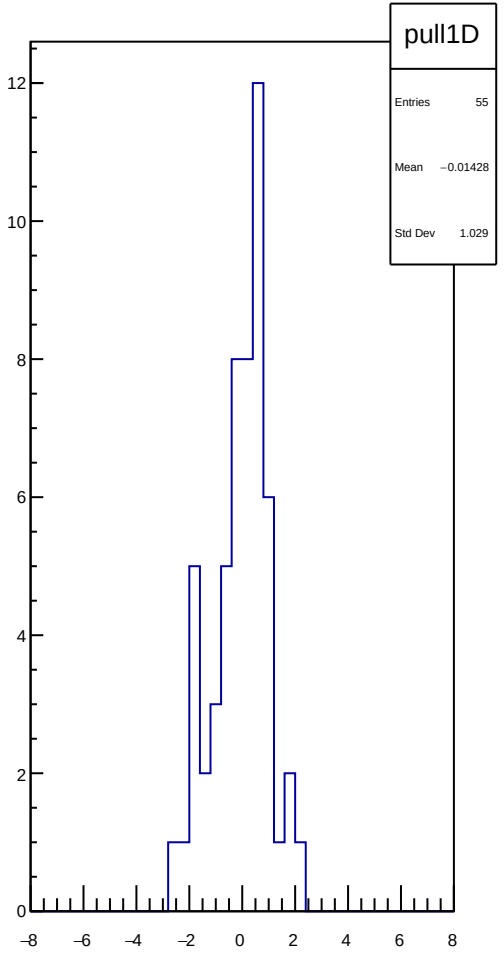
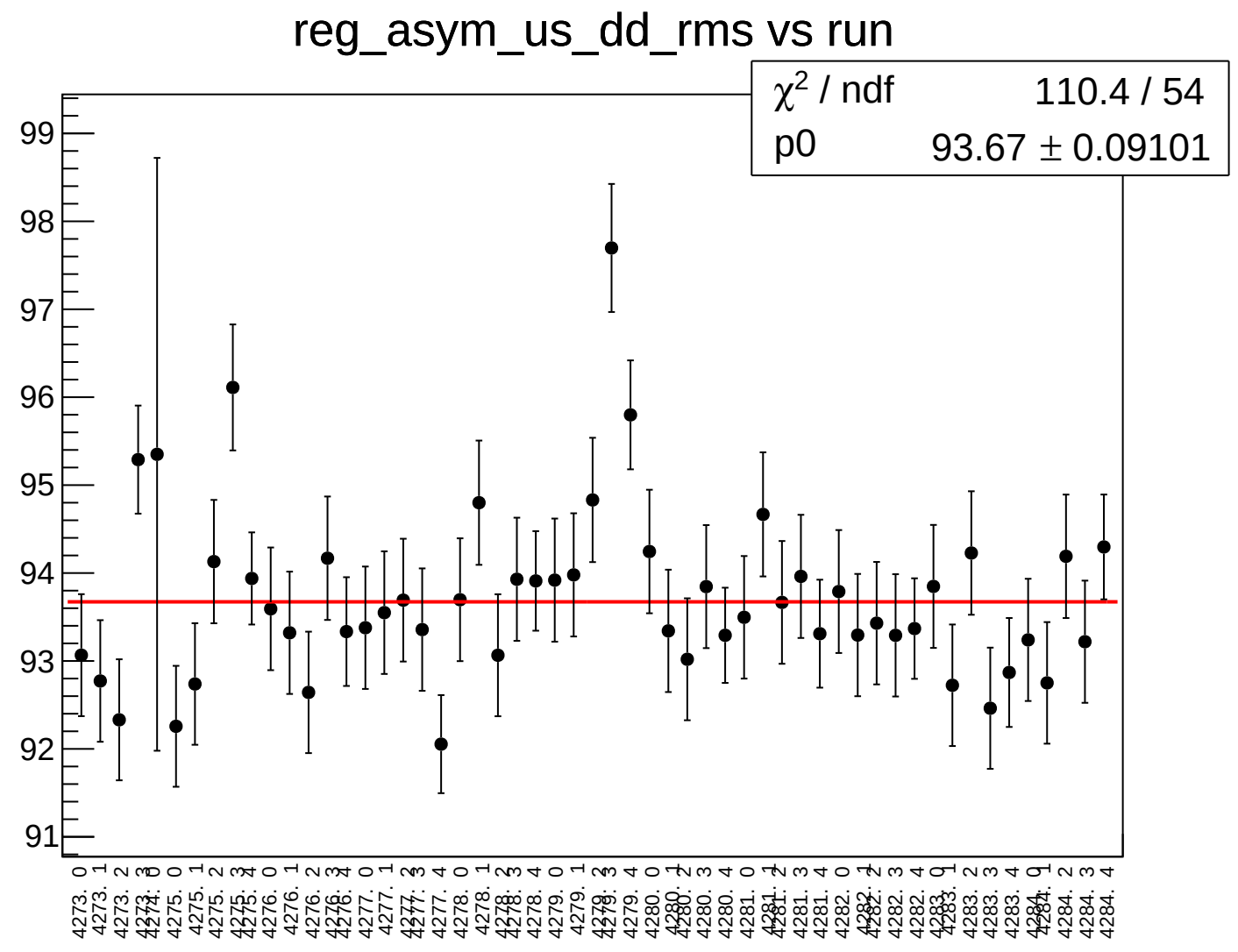

reg_asym_us_dd_mean vs run
χ^2 / ndf 58.29 / 54
p0 160.1 ± 128.7
pull
Entries 55
Mean 125.4
Std Dev 107.4


pull1D
Entries 55
Mean −0.01428
Std Dev 1.029


reg_asym_us_dd_rms vs run
χ^2 / ndf 110.4 / 54
p0 93.67 ± 0.09101
99
98
97
96
95
94
93
92
91
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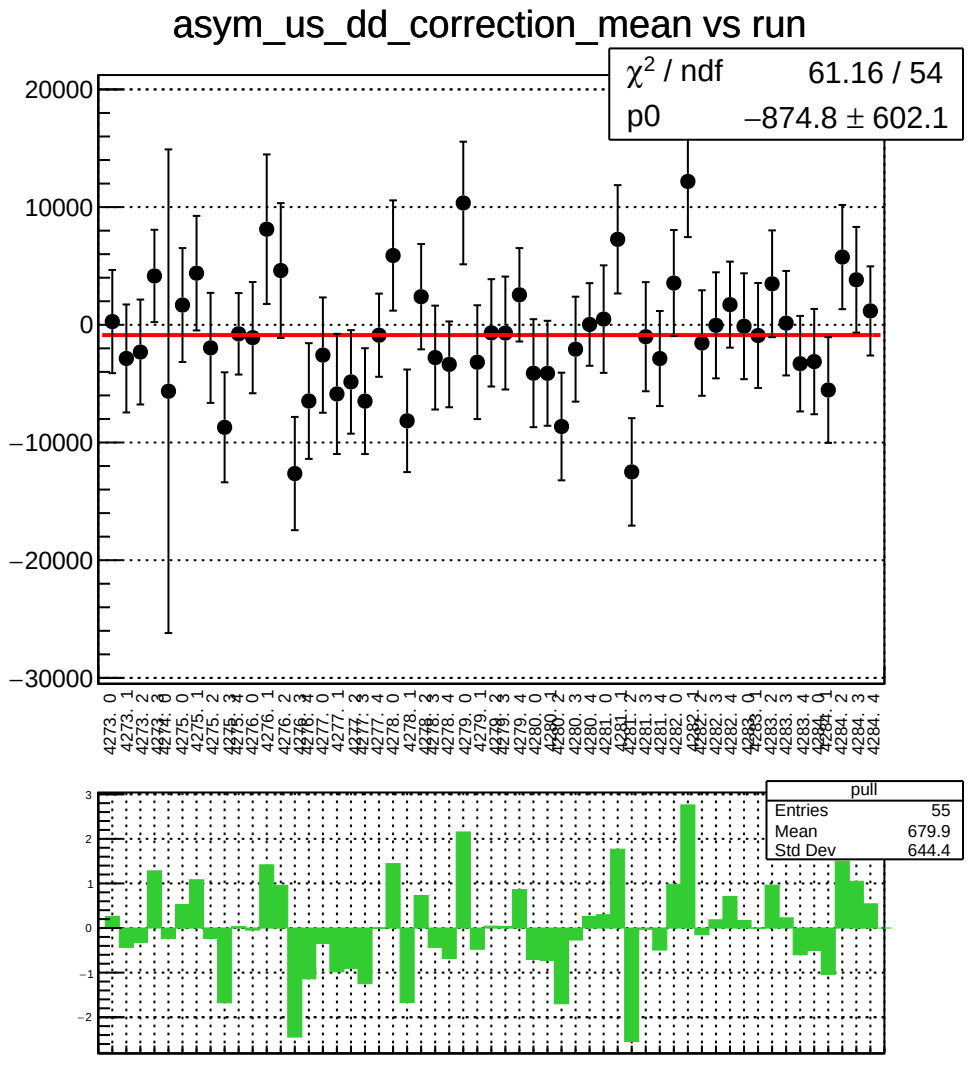
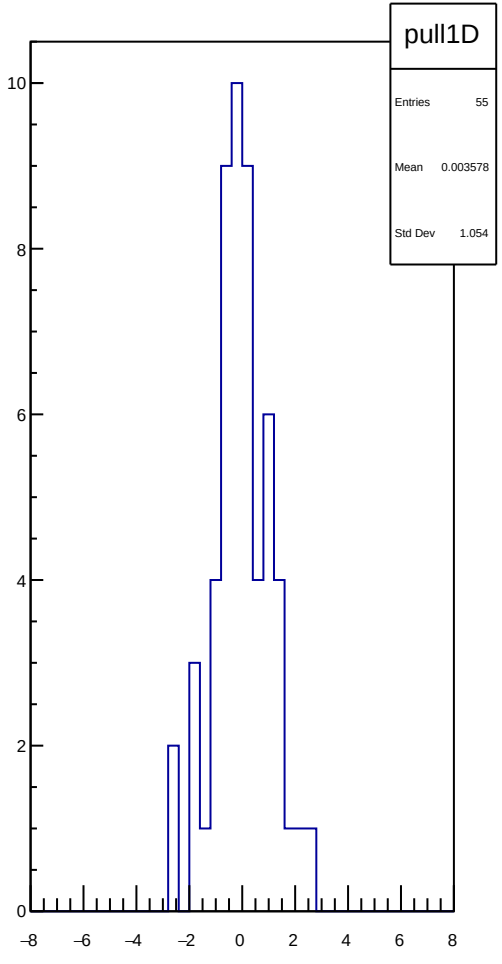
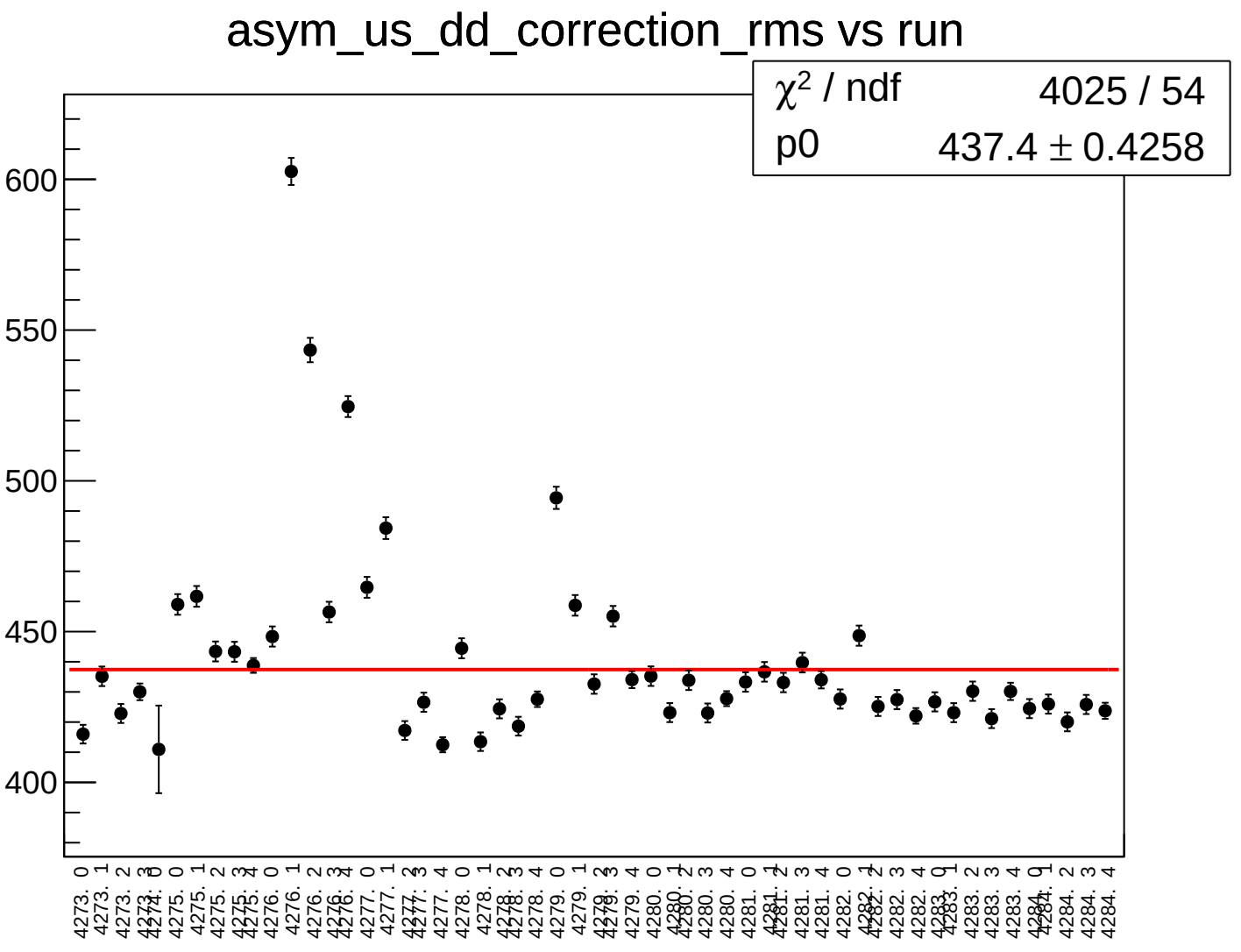

asym_us_dd_correction_mean vs run
χ² / ndf 61.16 / 54
p0 −874.8 ± 602.1
pull
Entries 55
Mean 679.9
Std Dev 644.4


pull1D
Entries 55
Mean 0.003578
Std Dev 1.054


asym_us_dd_correction_rms vs run
χ² / ndf 4025 / 54
p0 437.4 ± 0.4258
600
550
500
450
400
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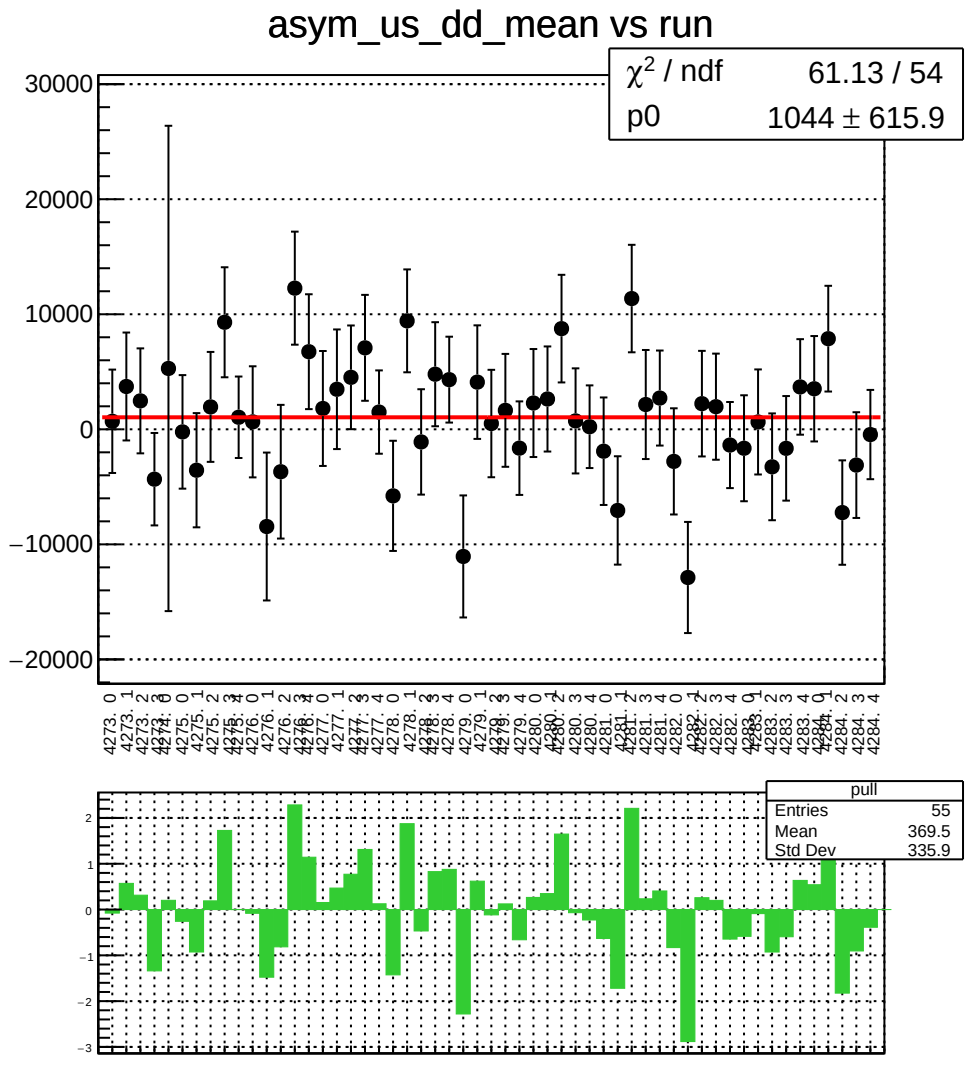
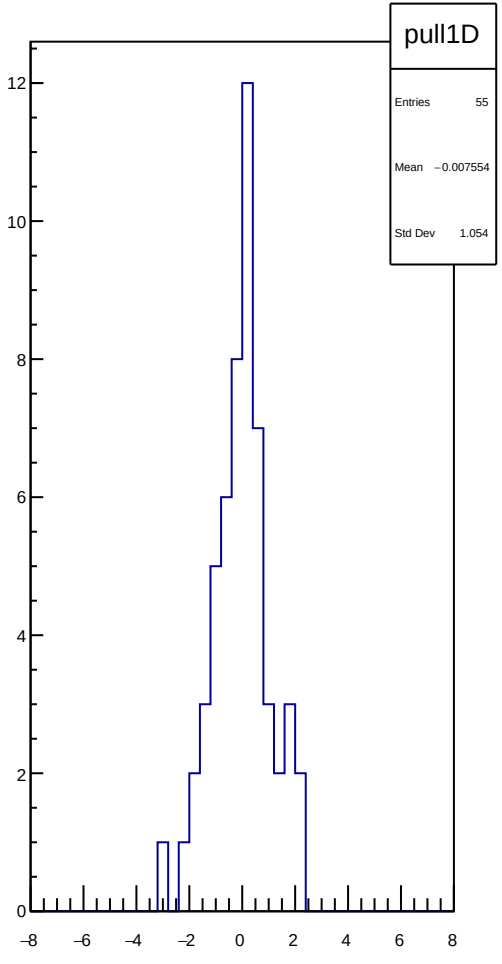
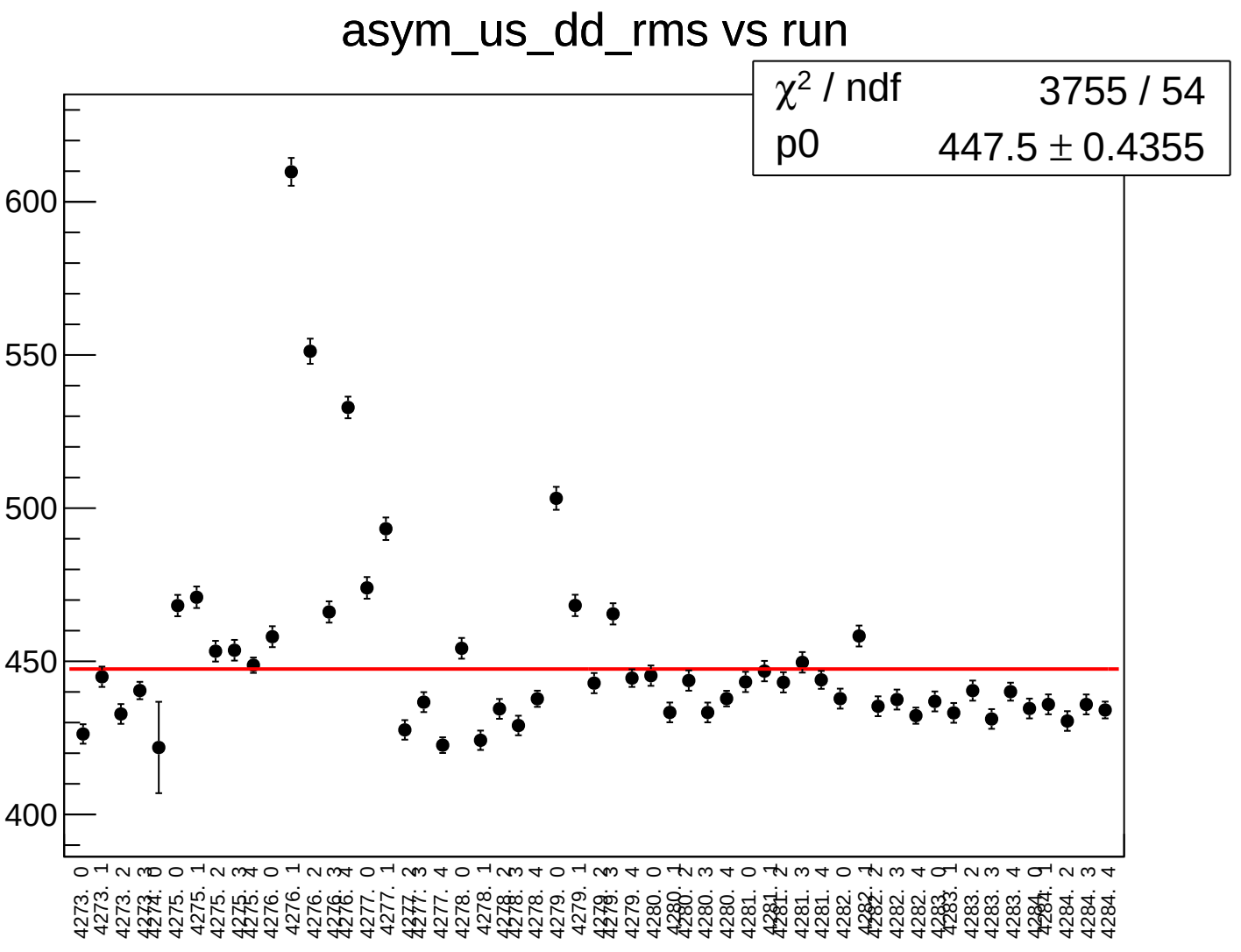

asym_us_dd_mean vs run
χ² / ndf 61.13 / 54
p0 1044 ± 615.9
30000
20000
10000
0
−10000
−20000
pull
Entries 55
Mean 369.5
Std Dev 335.9
2
1
0
−1
−2
−3


pull1D
Entries 55
Mean −0.007554
Std Dev 1.054
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_rms vs run
χ² / ndf 3755 / 54
p0 447.5 ± 0.4355
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550
500
450
400
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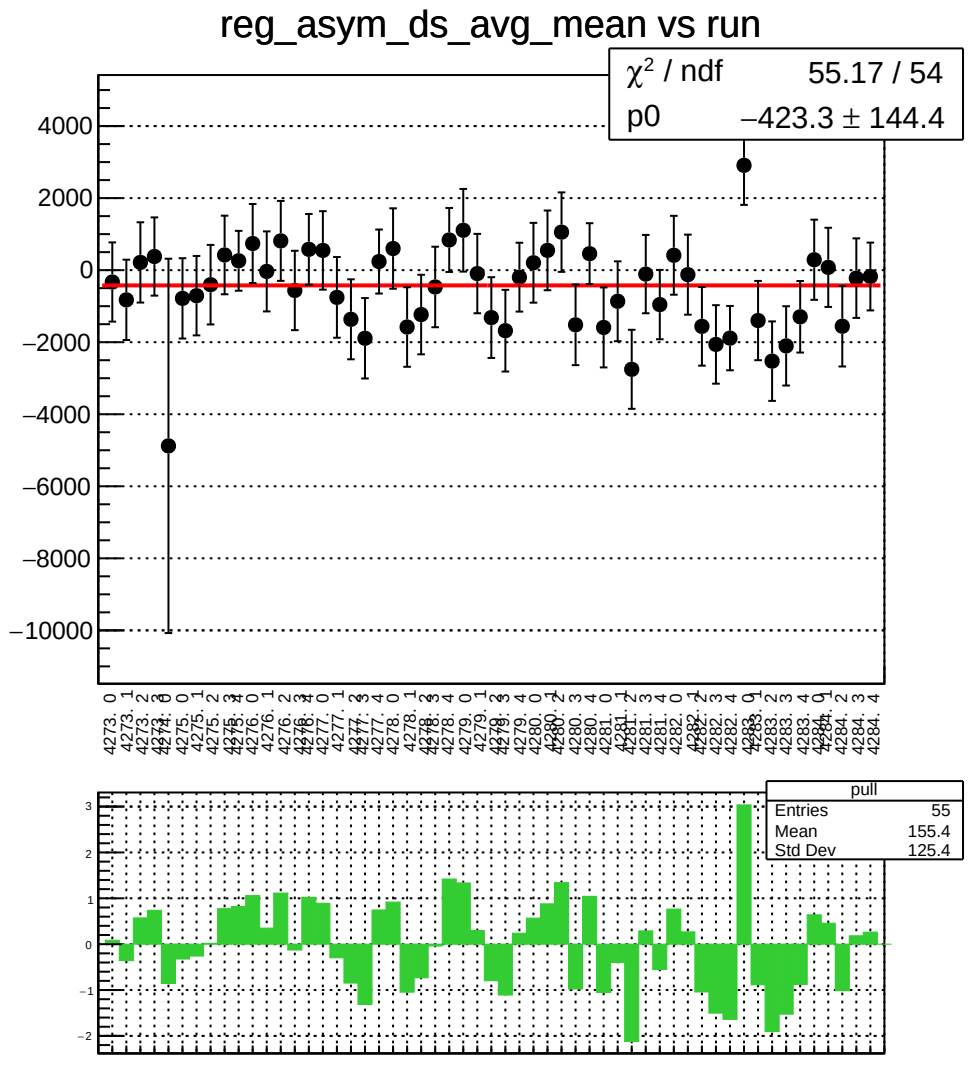
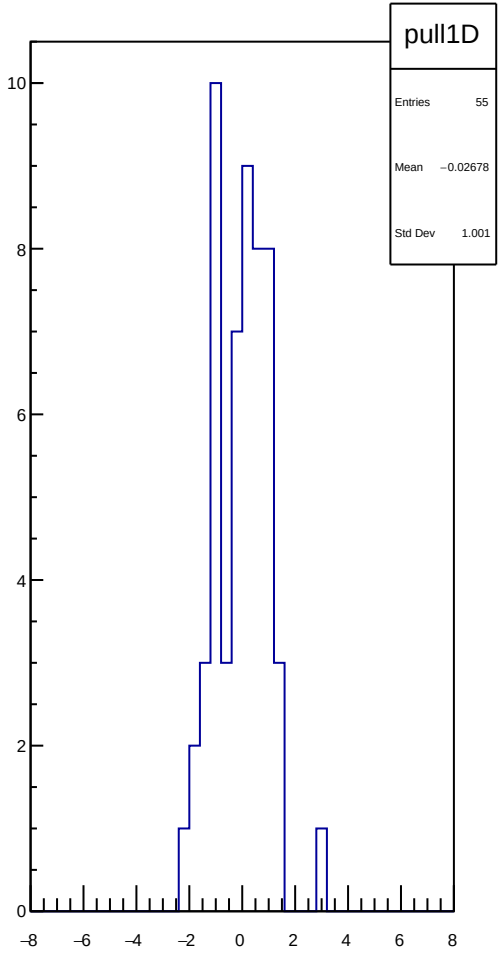
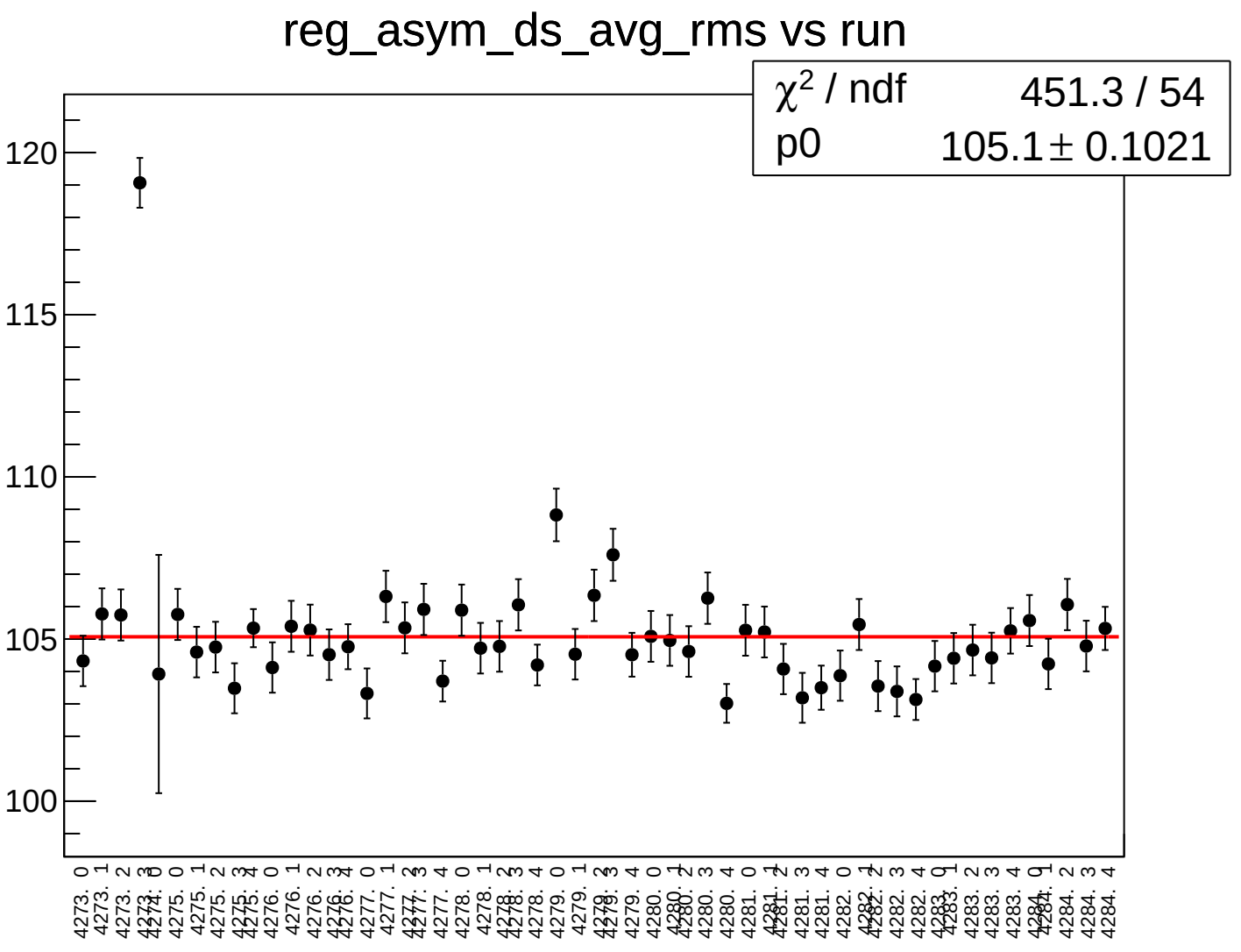

reg_asym_ds_avg_mean vs run
χ² / ndf 55.17 / 54
p0 −423.3 ± 144.4
pull
Entries 55
Mean 155.4
Std Dev 125.4


pull1D
Entries 55
Mean −0.02678
Std Dev 1.001


reg_asym_ds_avg_rms vs run
χ^2 / ndf 451.3 / 54
p0 105.1 ± 0.1021
120
115
110
105
100
4273. 0
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4273. 2
4273. 3
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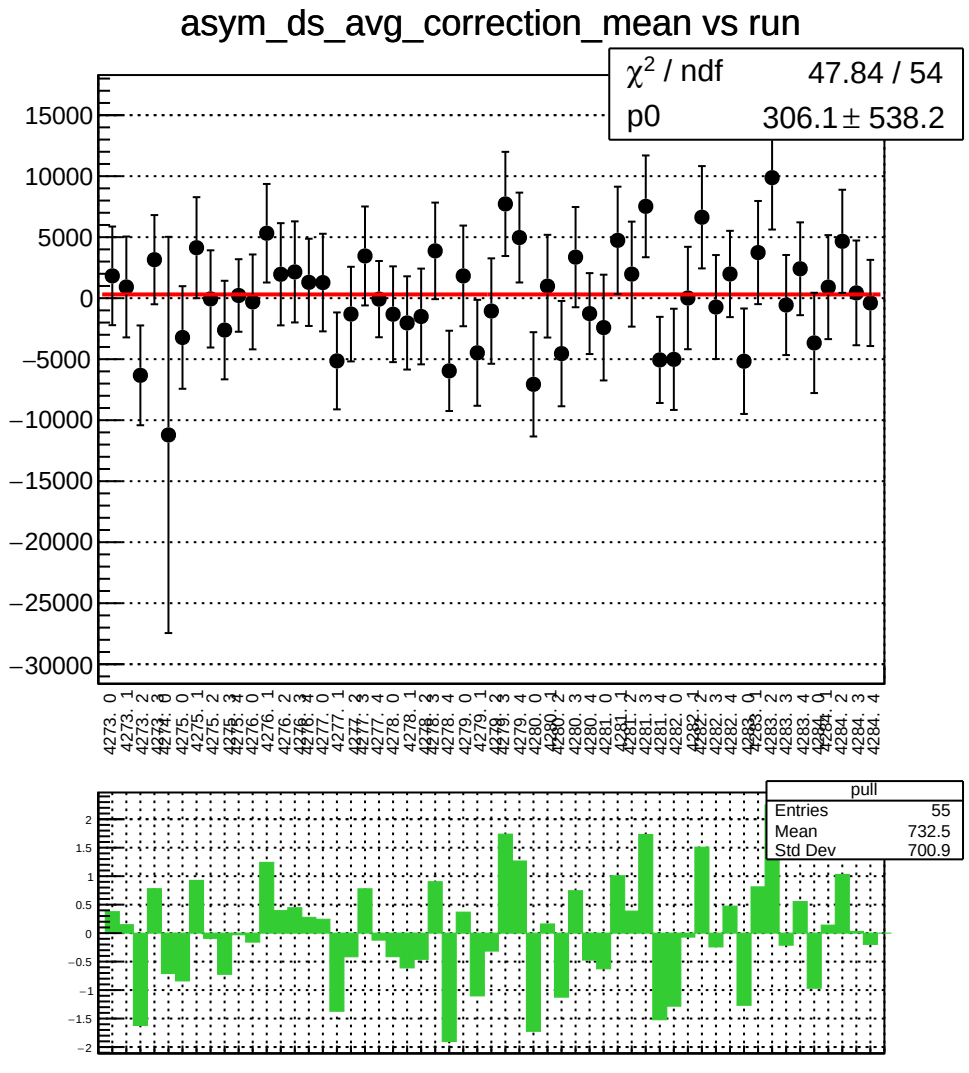
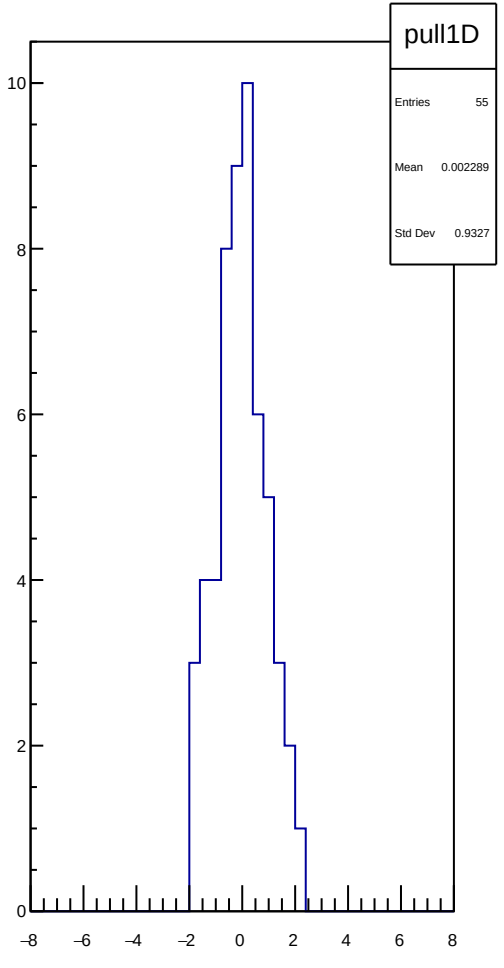
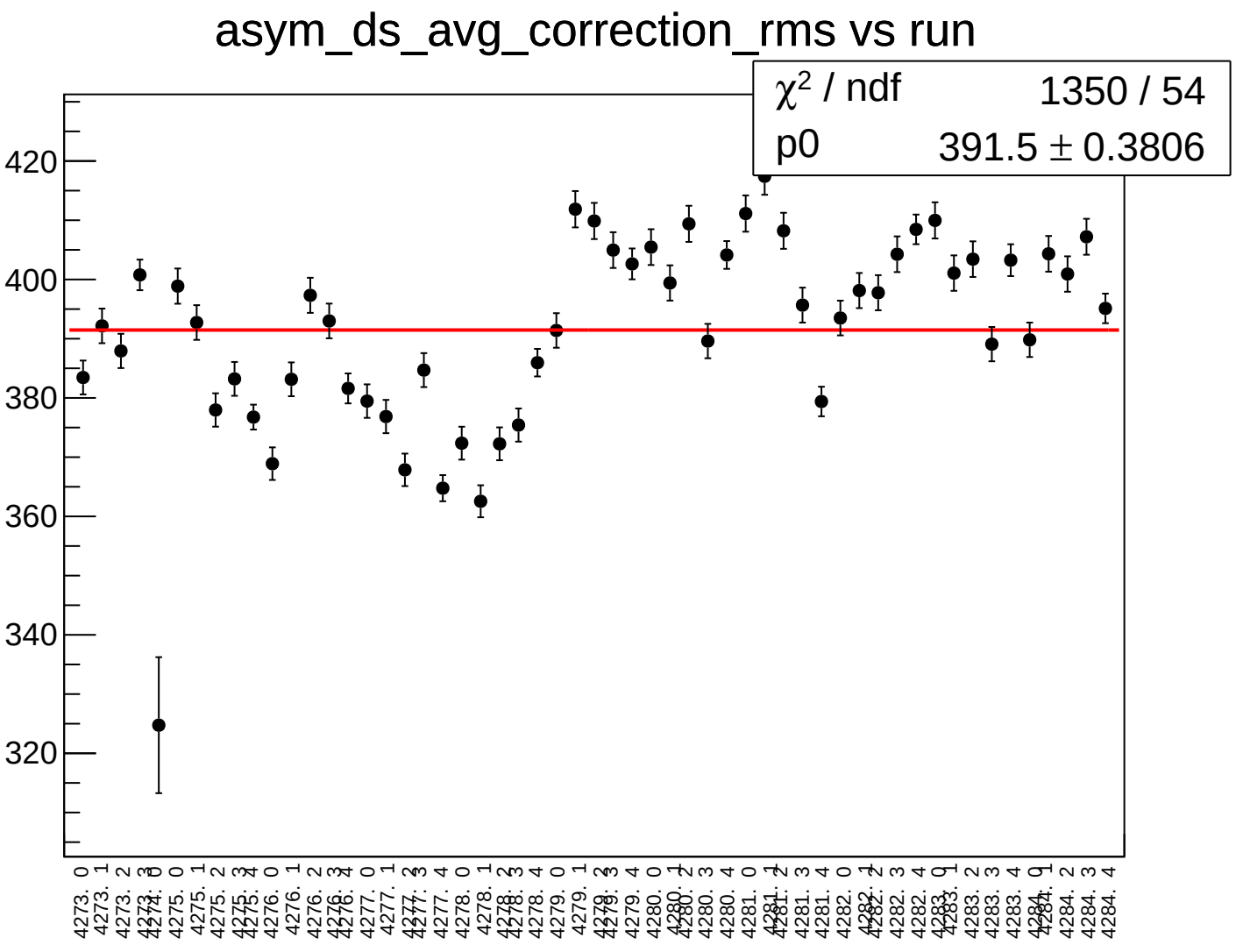

asym_ds_avg_correction_mean vs run
χ² / ndf 47.84 / 54
p0 306.1 ± 538.2
pull
Entries 55
Mean 732.5
Std Dev 700.9


pull1D
Entries 55
Mean 0.002289
Std Dev 0.9327


asym_ds_avg_correction_rms vs run
χ² / ndf 1350 / 54
p0 391.5 ± 0.3806
420
400
380
360
340
320
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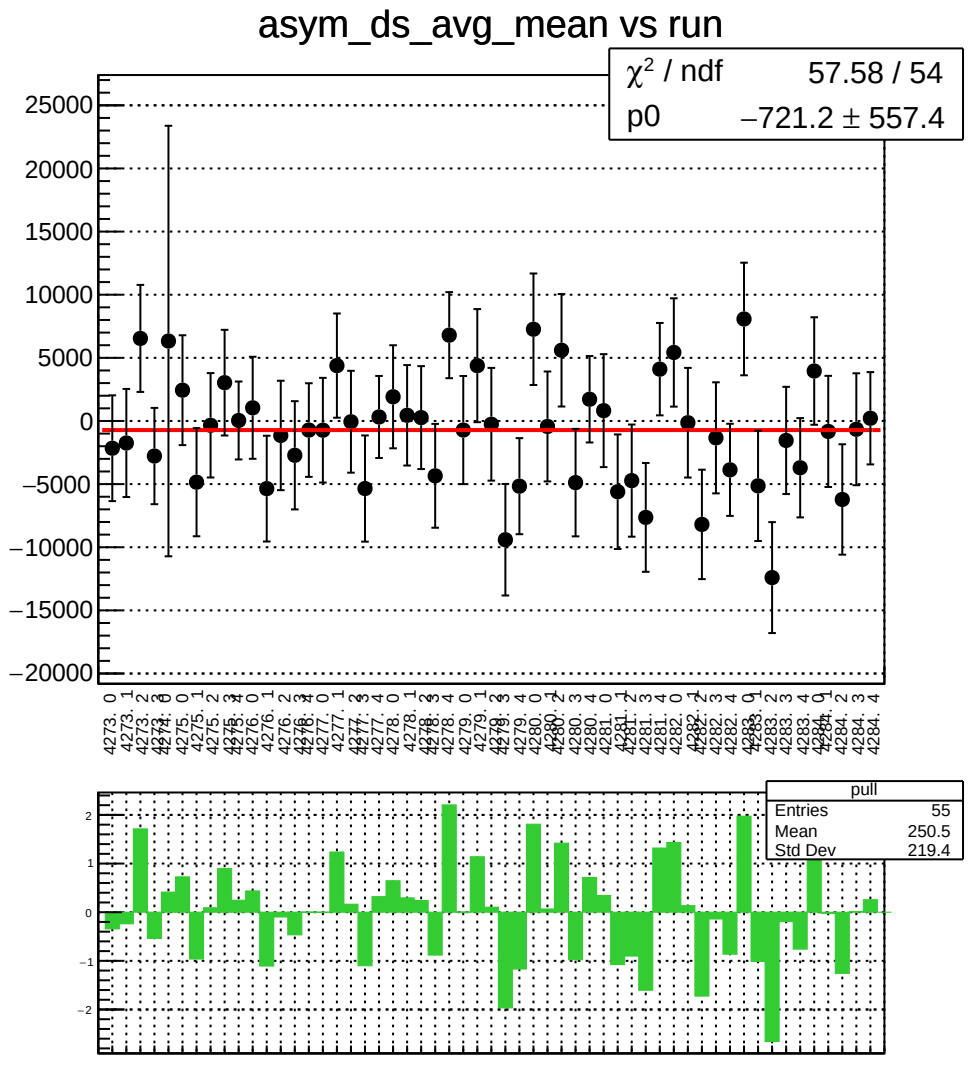
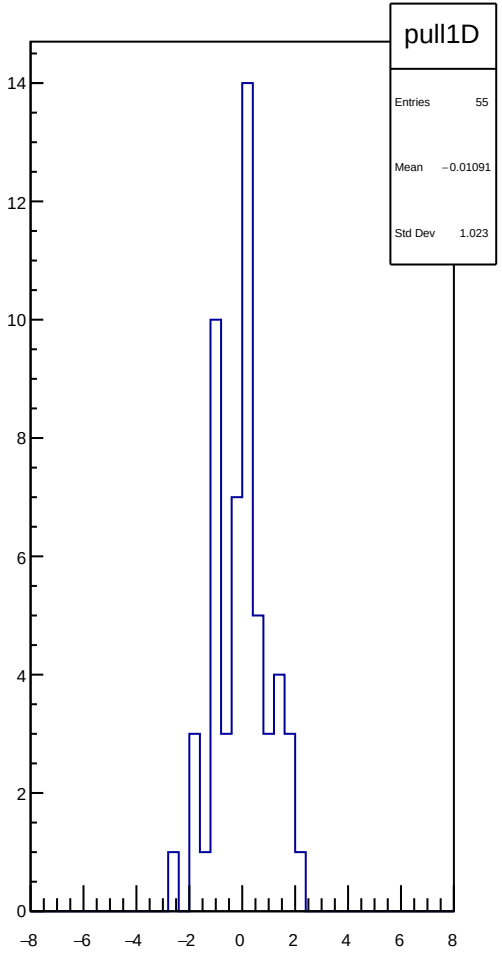
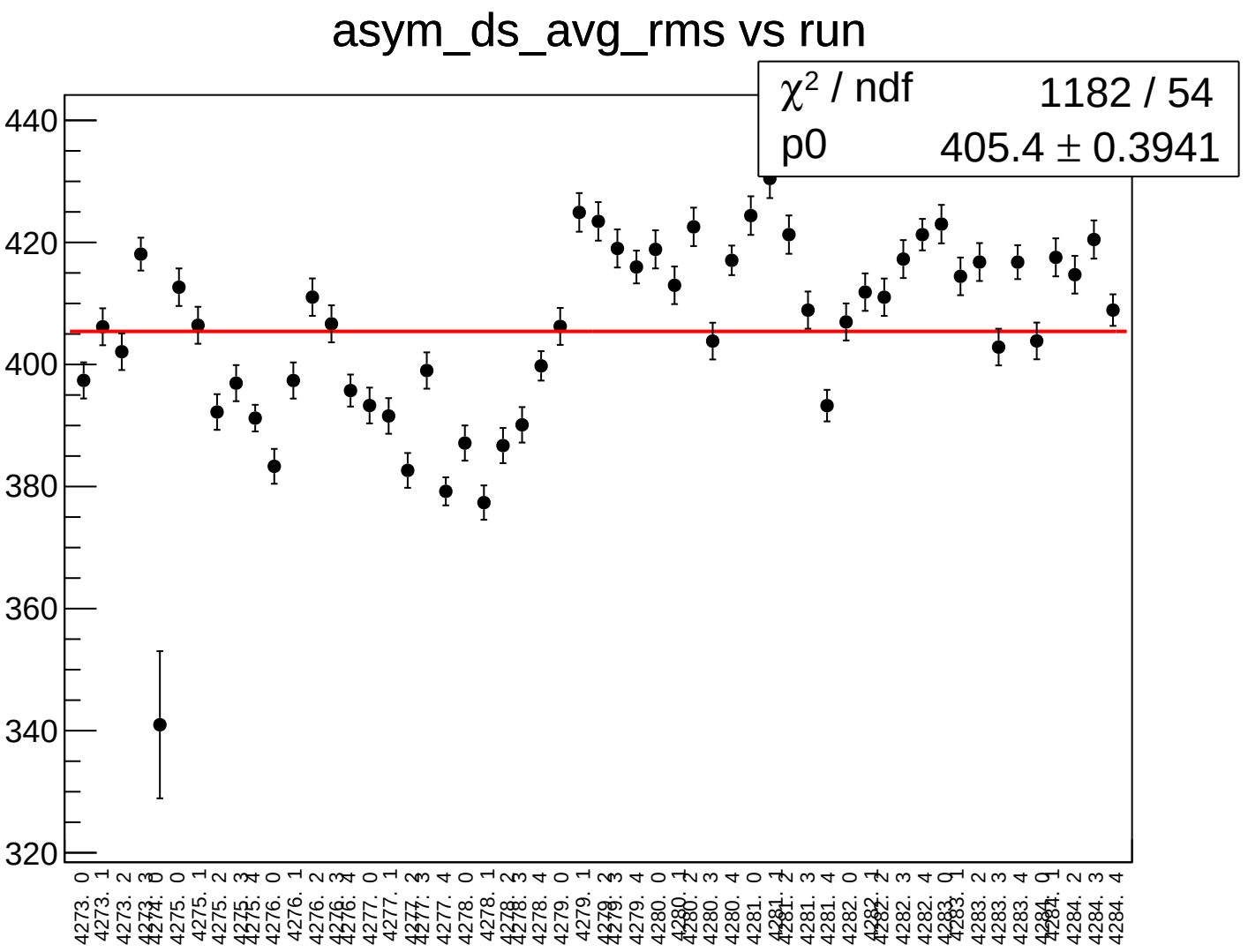

asym_ds_avg_mean vs run
χ² / ndf 57.58 / 54
p0 −721.2 ± 557.4
pull
Entries 55
Mean 250.5
Std Dev 219.4


pull1D
Entries 55
Mean −0.01091
Std Dev 1.023


asym_ds_avg_rms vs run
χ² / ndf 1182 / 54
p0 405.4 ± 0.3941
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400
380
360
340
320
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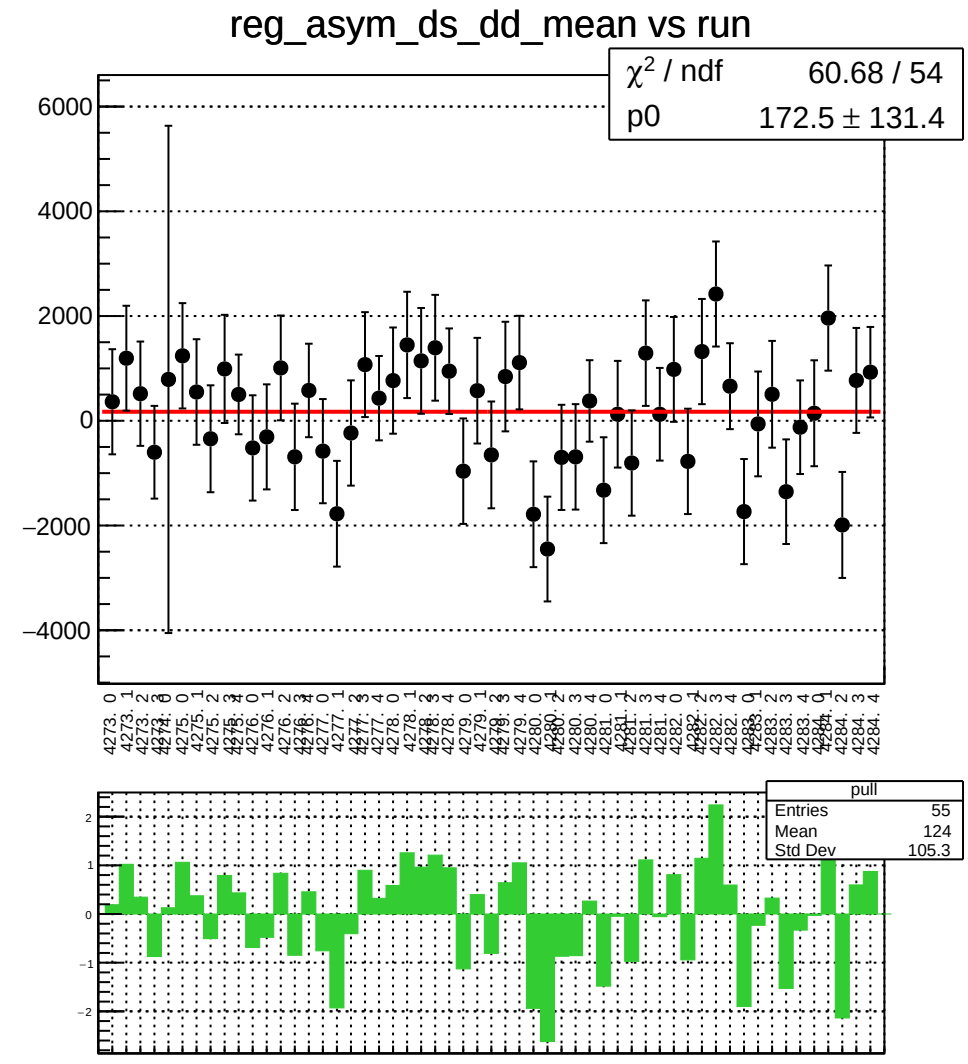
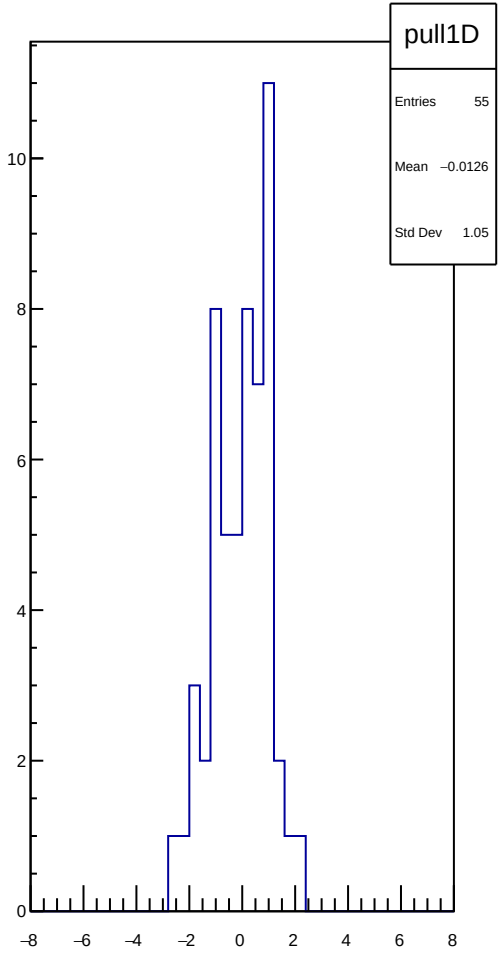
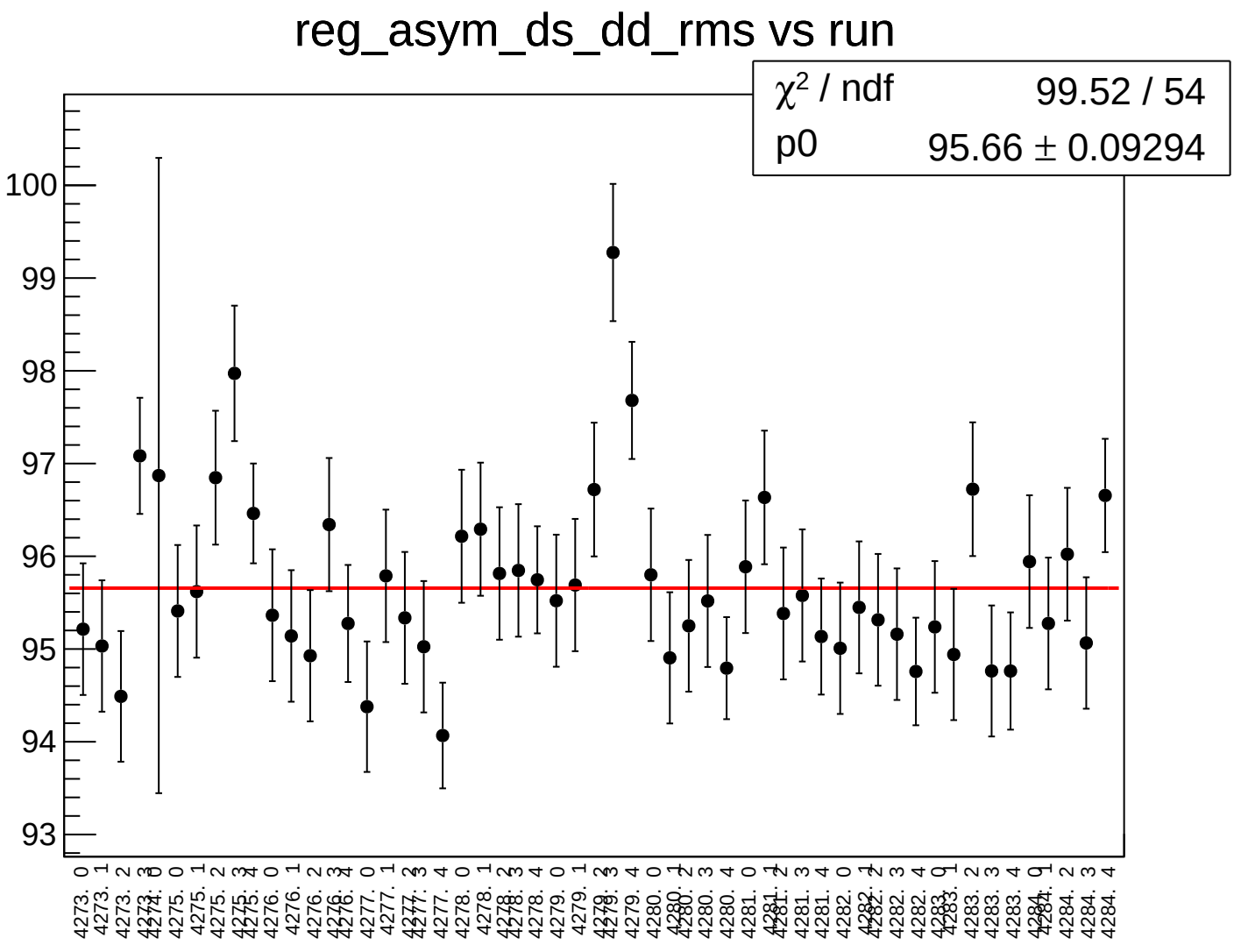

reg_asym_ds_dd_mean vs run
χ² / ndf 60.68 / 54
p0 172.5 ± 131.4
pull
Entries 55
Mean 124
Std Dev 105.3


pull1D
Entries 55
Mean −0.0126
Std Dev 1.05


reg_asym_ds_dd_rms vs run
χ² / ndf 99.52 / 54
p0 95.66 ± 0.09294
100
99
98
97
96
95
94
93
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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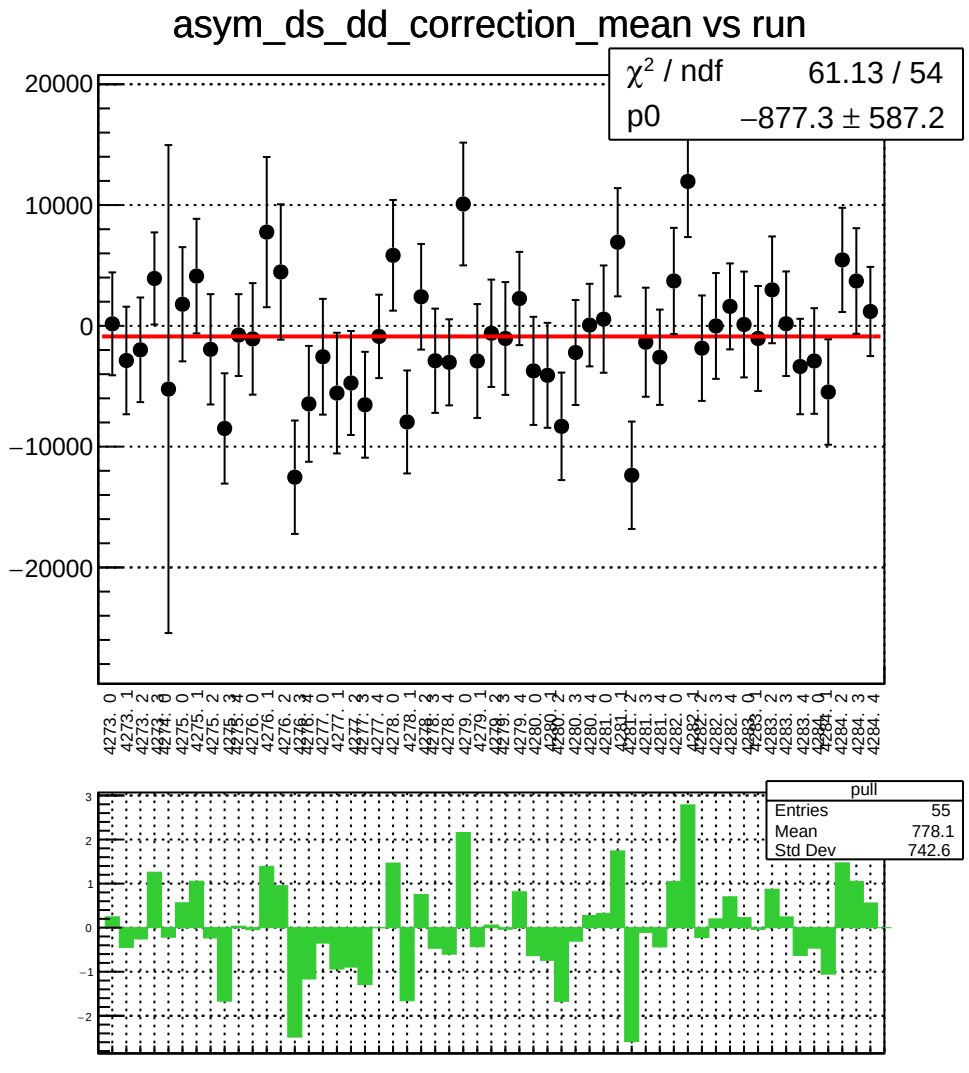
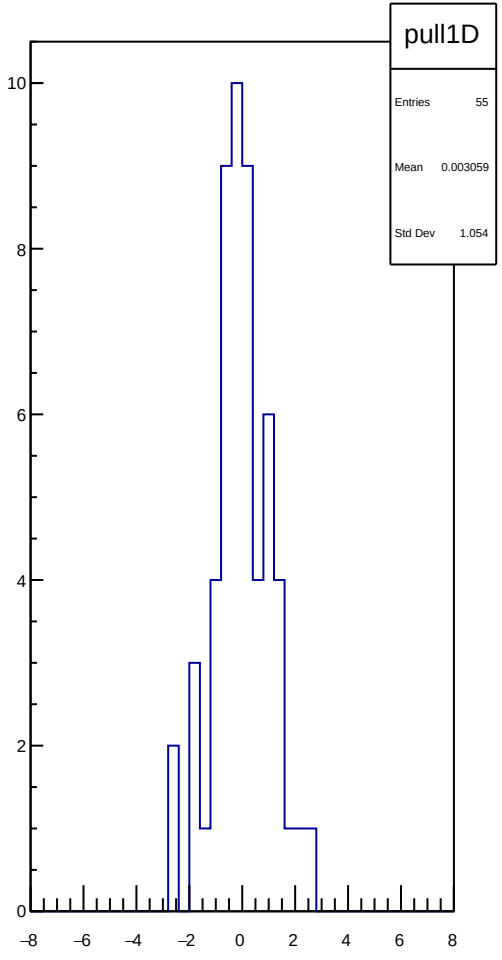
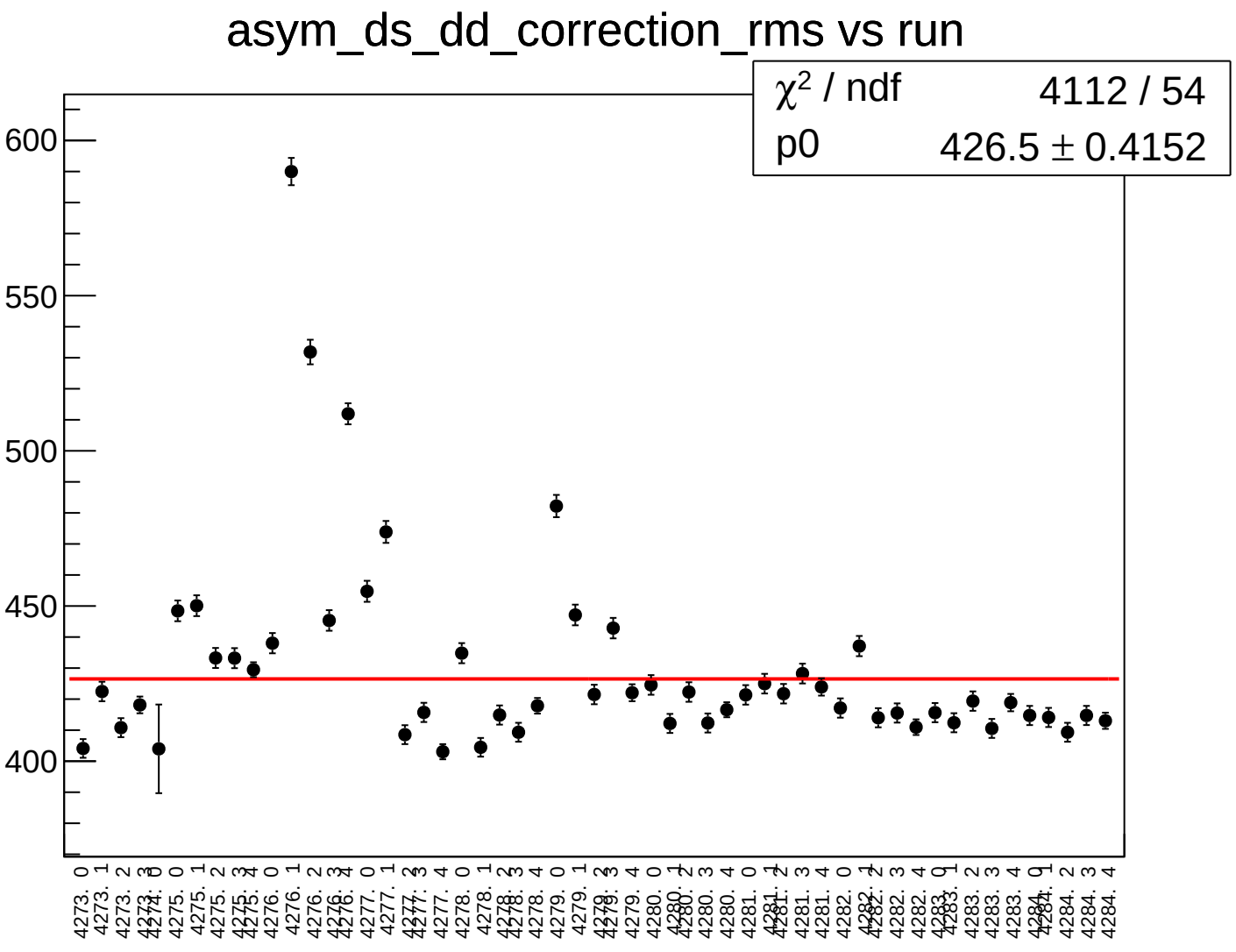
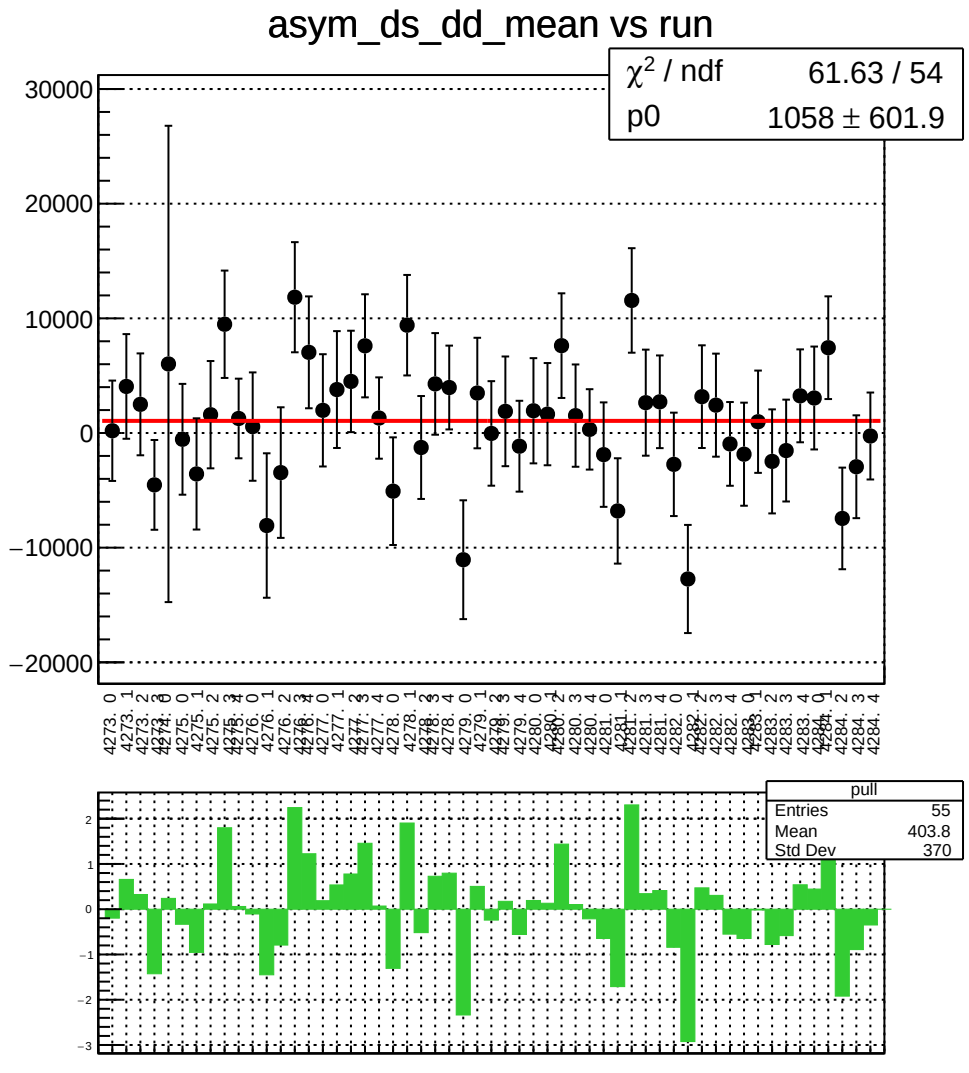
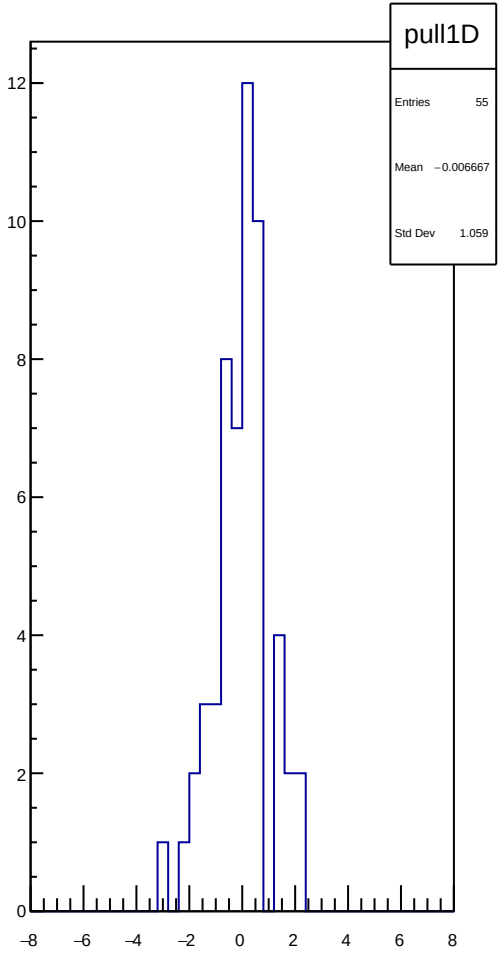
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

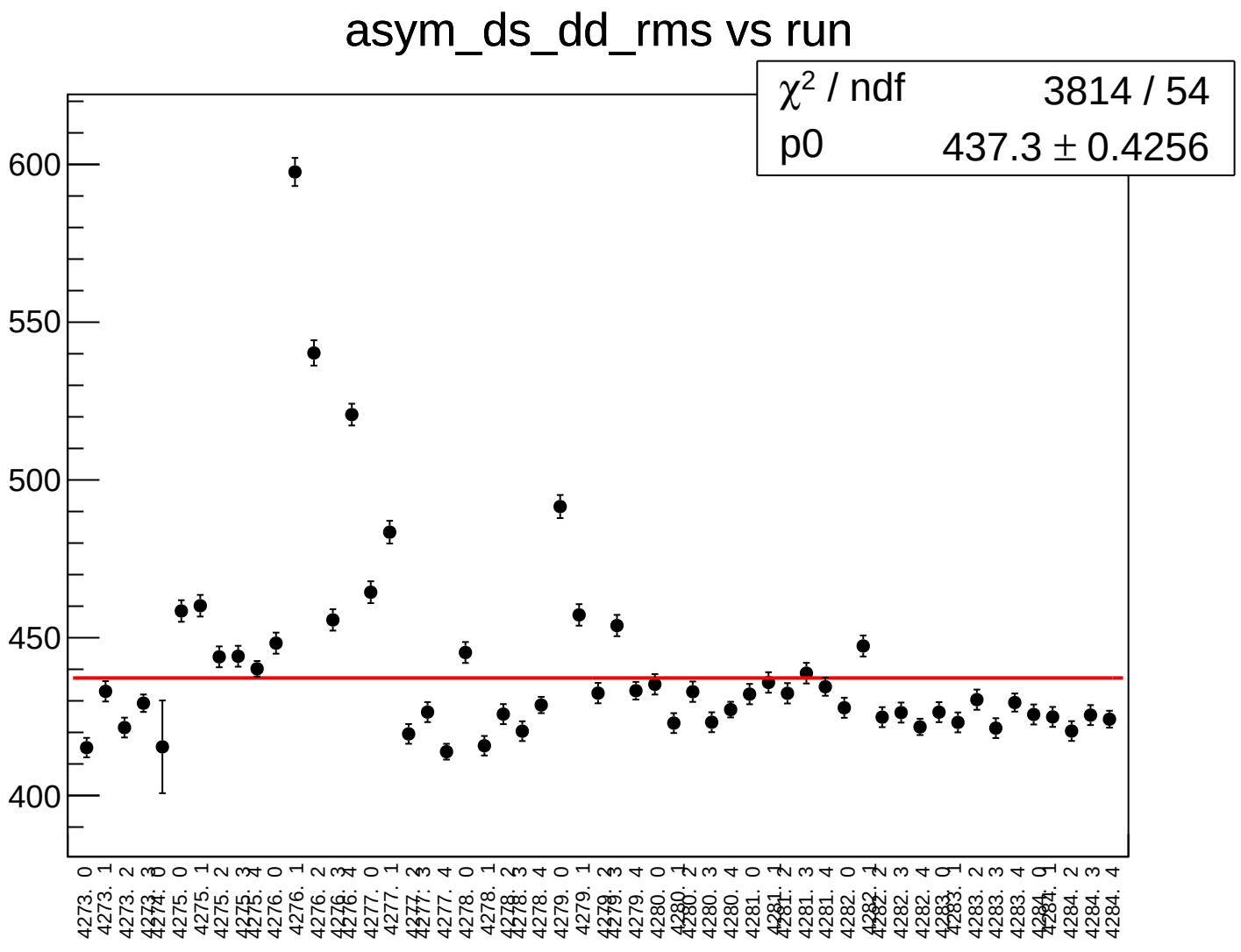

asym_ds_dd_correction_mean vs run
χ² / ndf 61.13 / 54
p0 −877.3 ± 587.2
20000
10000
0
−10000
−20000
pull
Entries 55
Mean 778.1
Std Dev 742.6
3
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.003059
Std Dev 1.054
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_dd_correction_rms vs run
χ² / ndf 4112 / 54
p0 426.5 ± 0.4152
600
550
500
450
400


asym_ds_dd_mean vs run
χ^2 / ndf 61.63 / 54
p0 1058 ± 601.9
pull
Entries 55
Mean 403.8
Std Dev 370


pull1D
Entries 55
Mean −0.006667
Std Dev 1.059


asym_ds_dd_rms vs run
χ² / ndf 3814 / 54
p0 437.3 ± 0.4256
600
550
500
450
400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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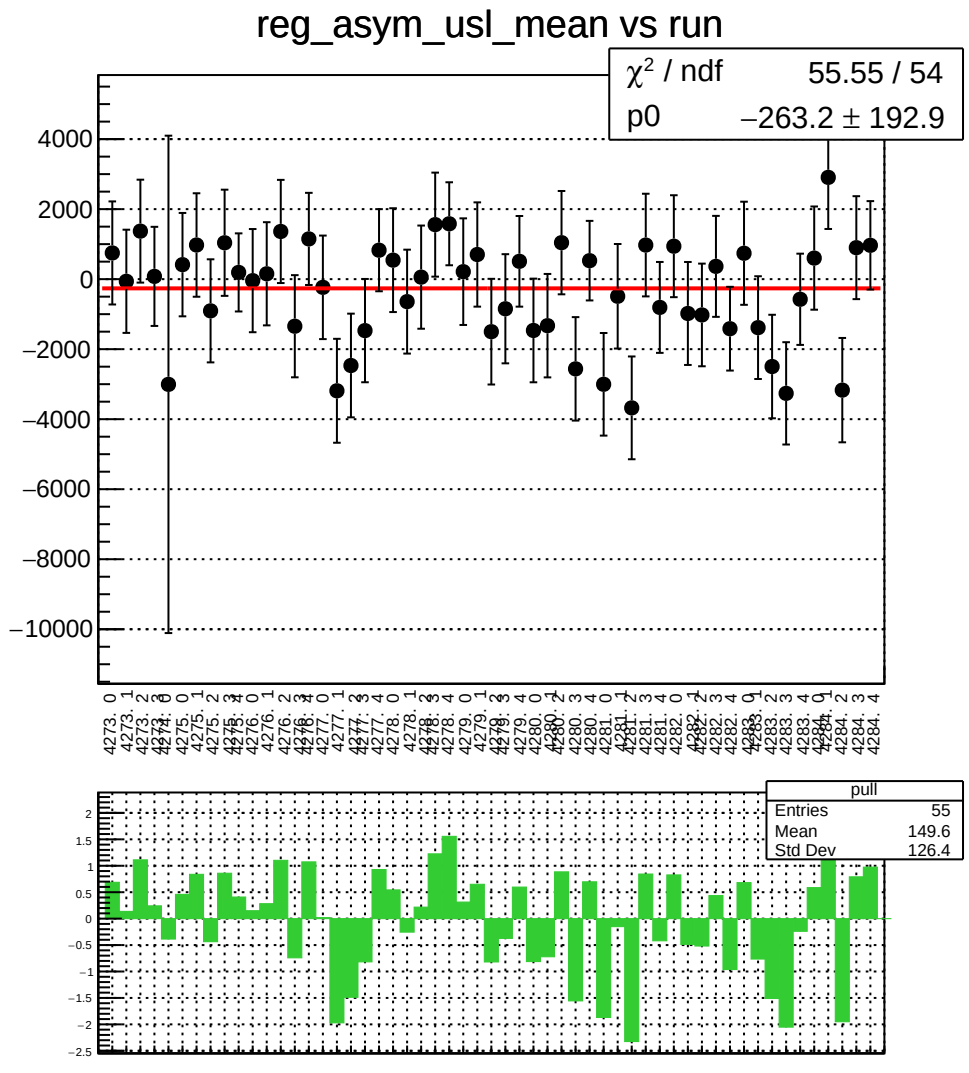
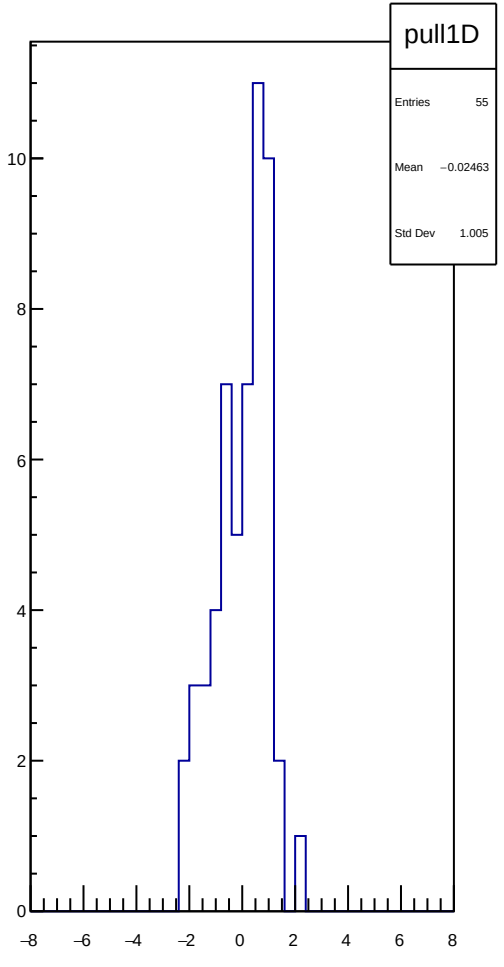
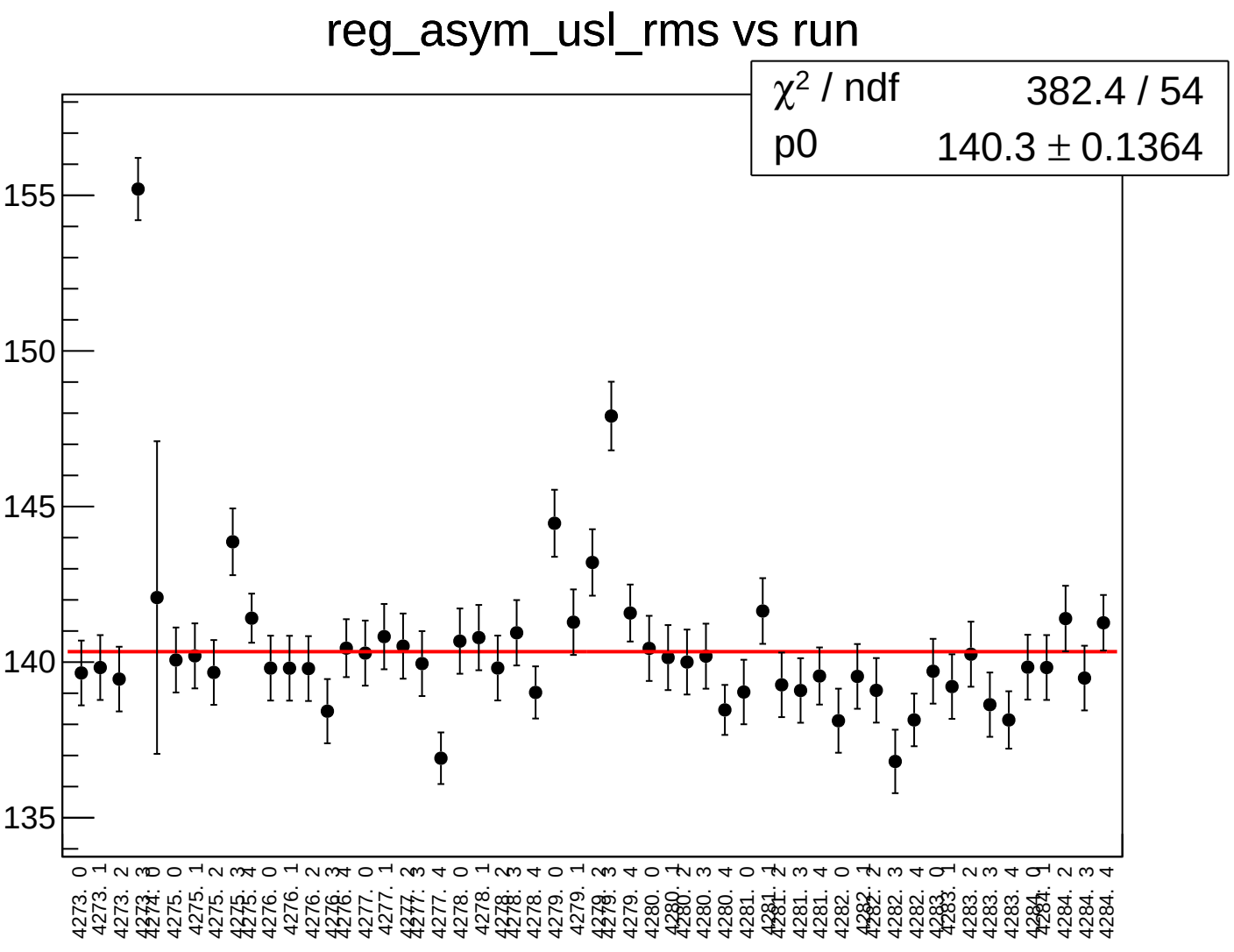
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_usl_mean vs run
χ² / ndf 55.55 / 54
p0 −263.2 ± 192.9
pull
Entries 55
Mean 149.6
Std Dev 126.4


pull1D
Entries 55
Mean −0.02463
Std Dev 1.005


reg_asym_usl_rms vs run
χ² / ndf 382.4 / 54
p0 140.3 ± 0.1364
155
150
145
140
135
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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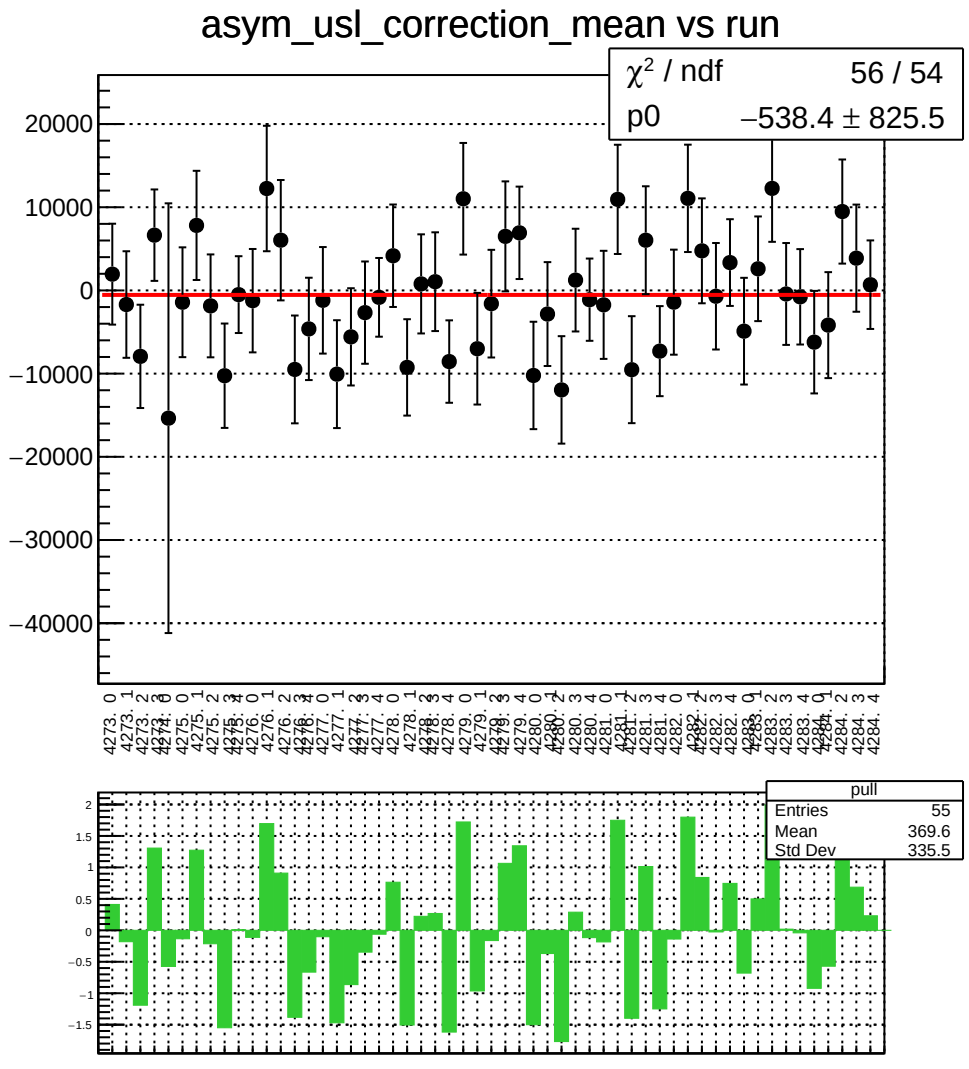
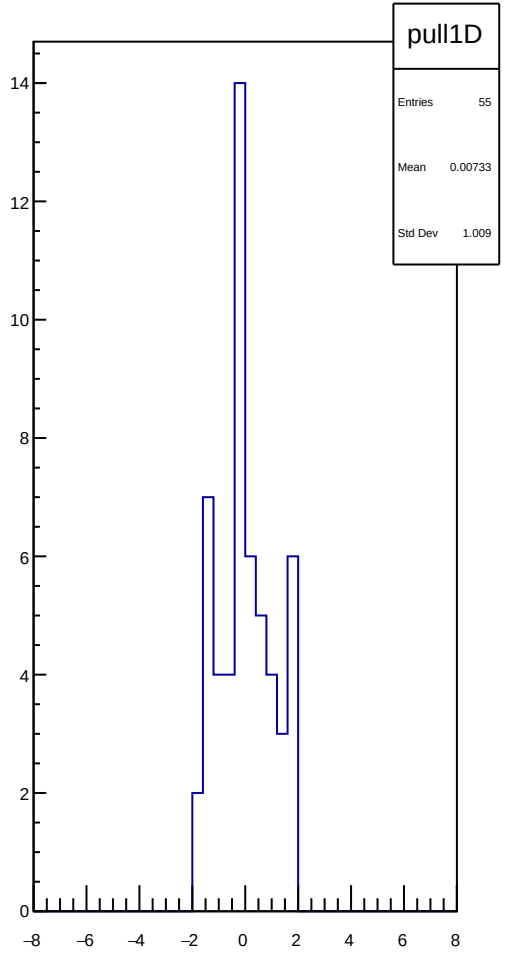
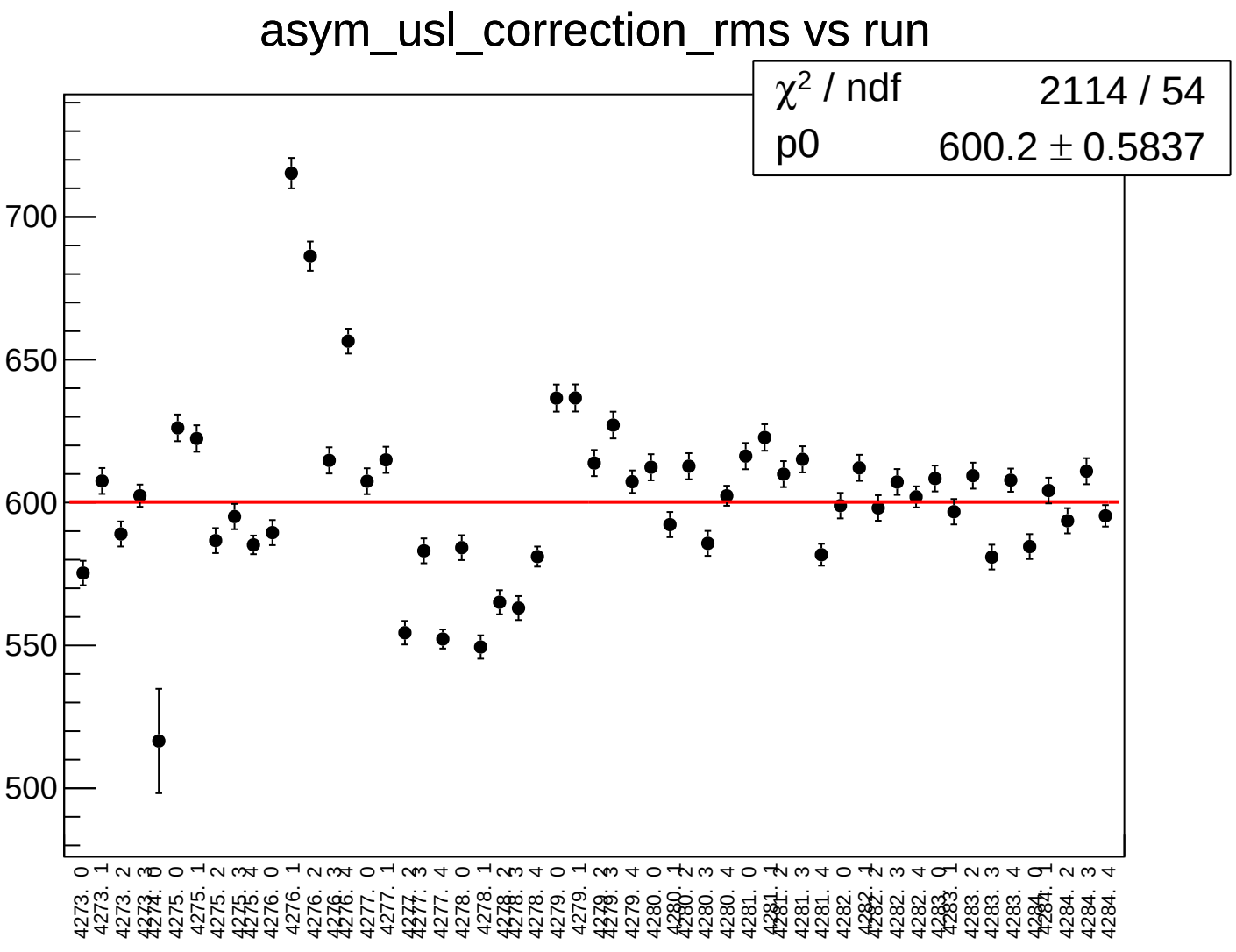
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_usl_correction_mean vs run
χ² / ndf 56 / 54
p0 −538.4 ± 825.5
pull
Entries 55
Mean 369.6
Std Dev 335.5


pull1D
Entries 55
Mean 0.00733
Std Dev 1.009


asym_usl_correction_rms vs run
χ² / ndf 2114 / 54
p0 600.2 ± 0.5837
700
650
600
550
500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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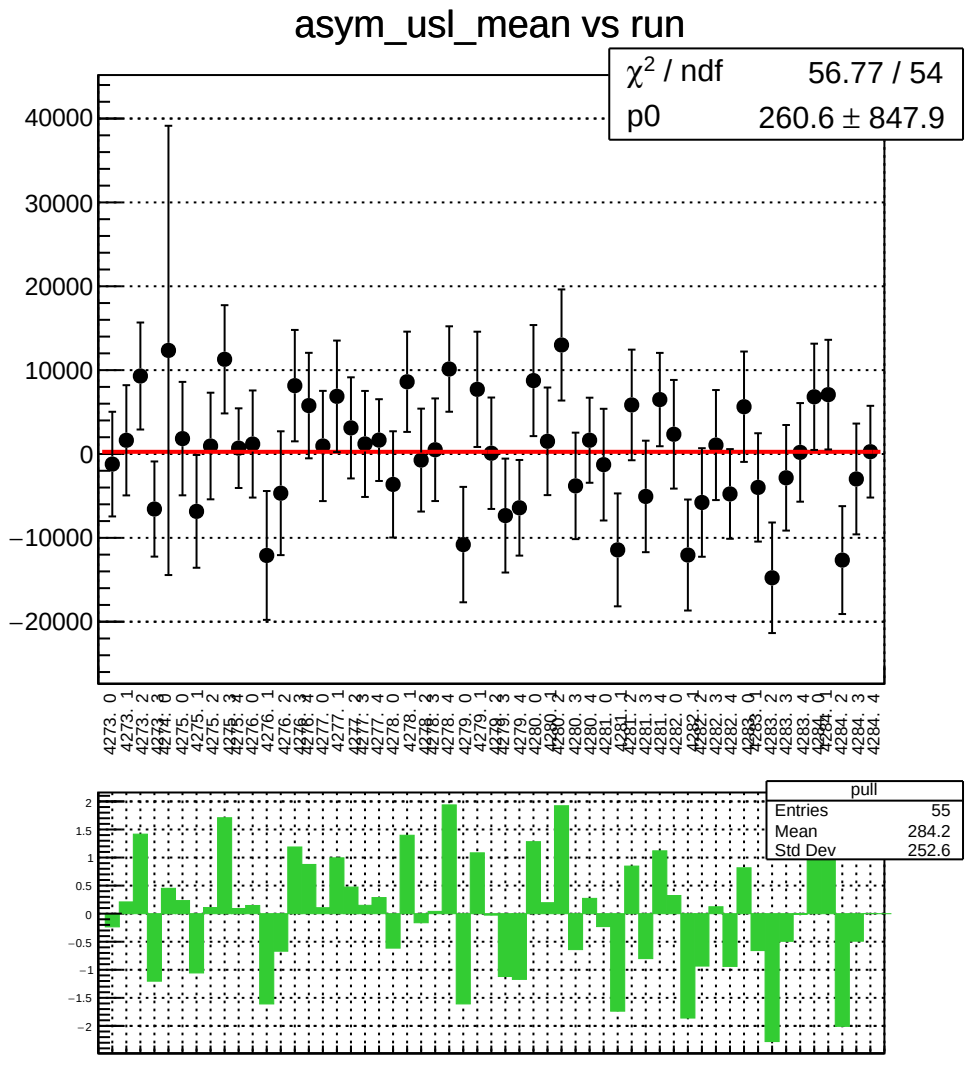
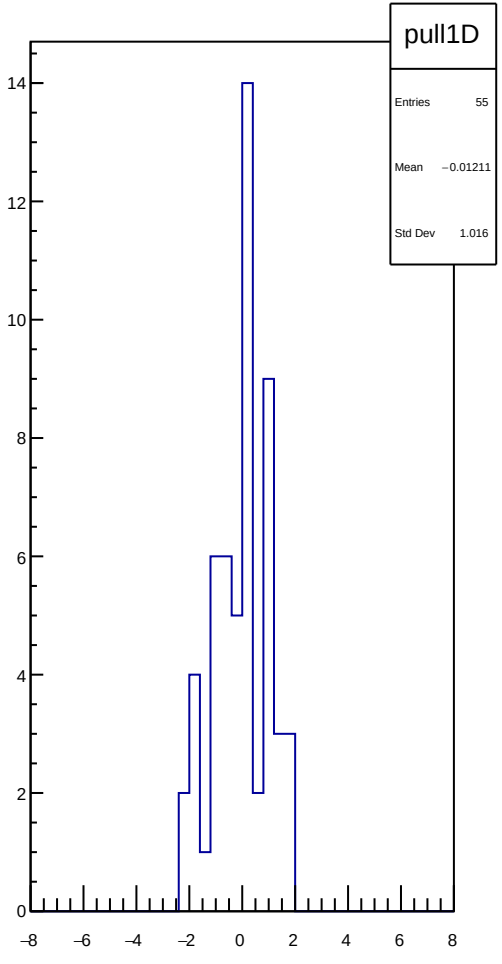
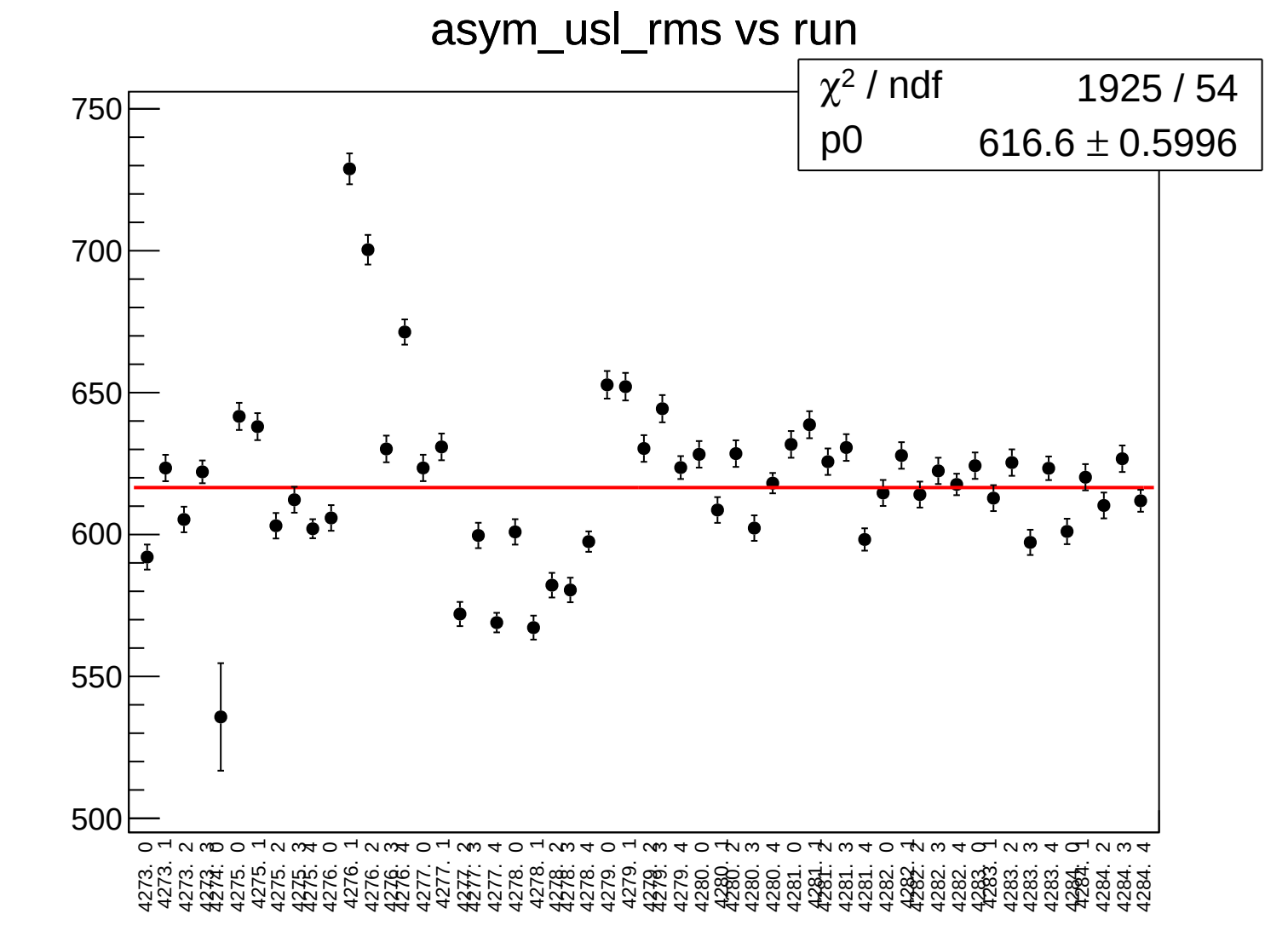
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_usl_mean vs run
χ² / ndf 56.77 / 54
p0 260.6 ± 847.9
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 55
Mean 284.2
Std Dev 252.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.01211
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_rms vs run
χ² / ndf 1925 / 54
p0 616.6 ± 0.5996
750
700
650
600
550
500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
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4280. 4
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4281. 1
4281. 2
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
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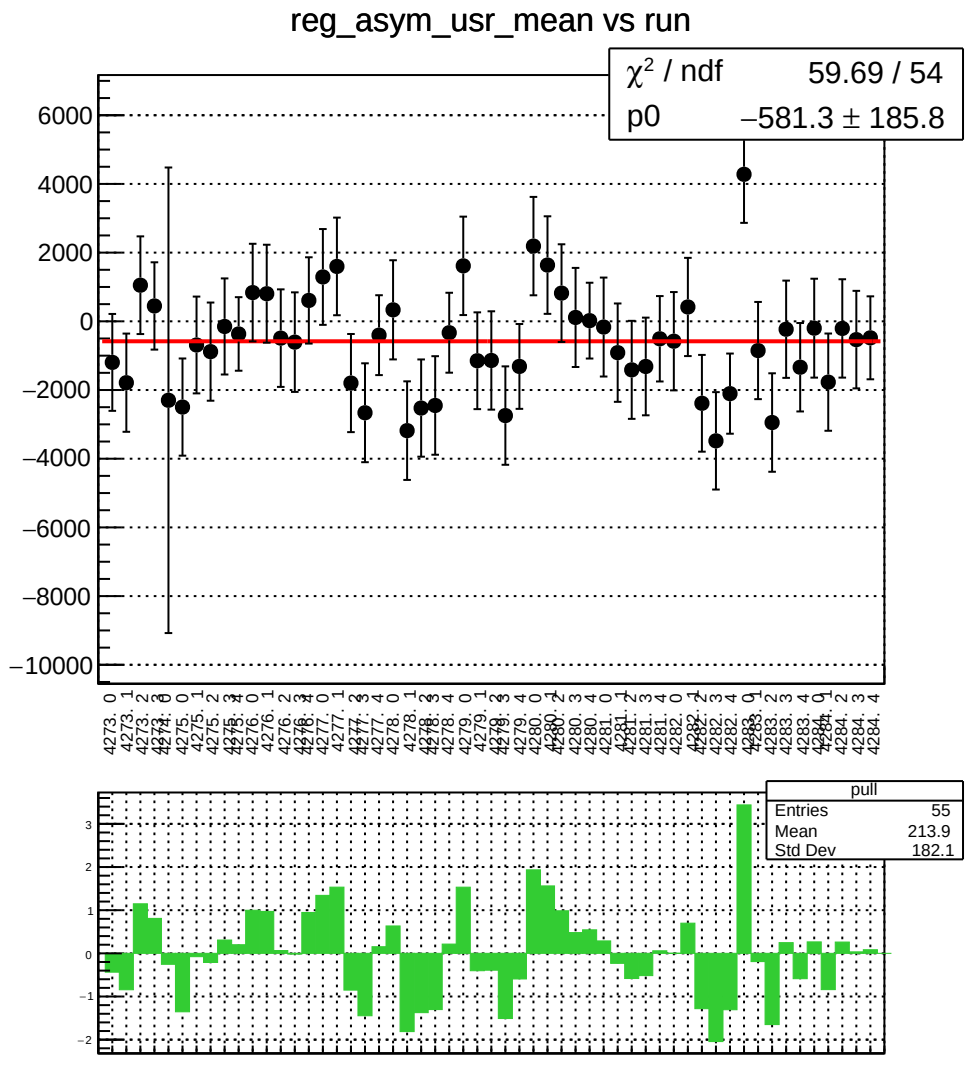
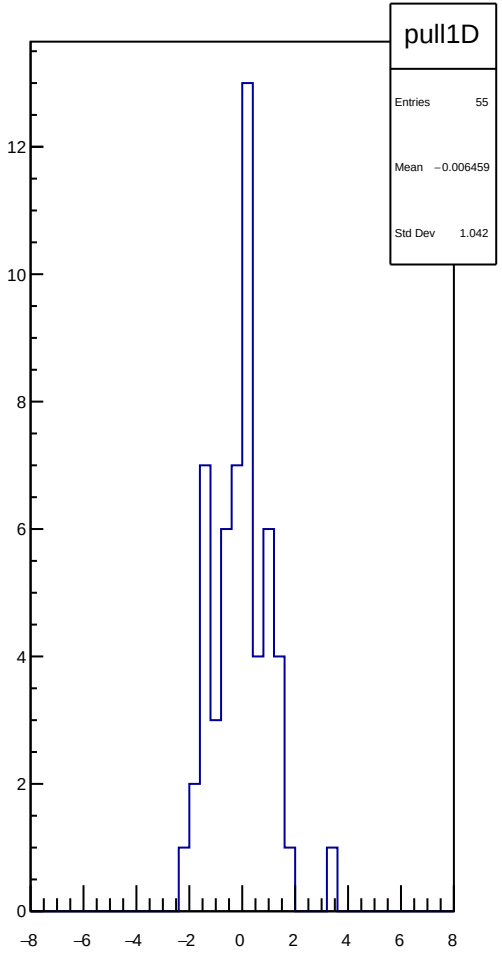
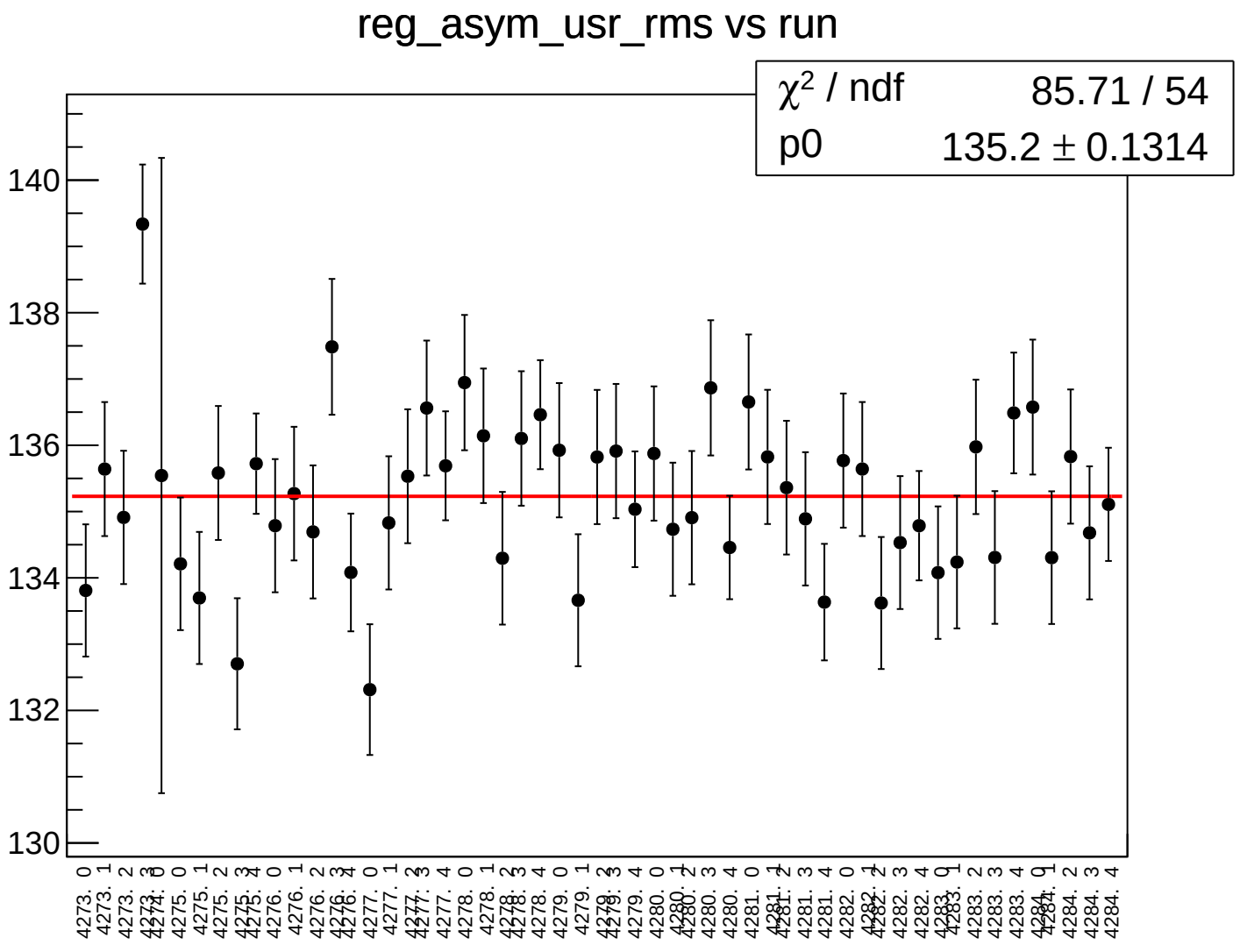
4284. 4


reg_asym_usr_mean vs run
χ² / ndf 59.69 / 54
p0 −581.3 ± 185.8
pull
Entries 55
Mean 213.9
Std Dev 182.1


pull1D
Entries 55
Mean −0.006459
Std Dev 1.042


reg_asym_usr_rms vs run
χ² / ndf 85.71 / 54
p0 135.2 ± 0.1314
140
138
136
134
132
130
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4282. 2
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4283. 2
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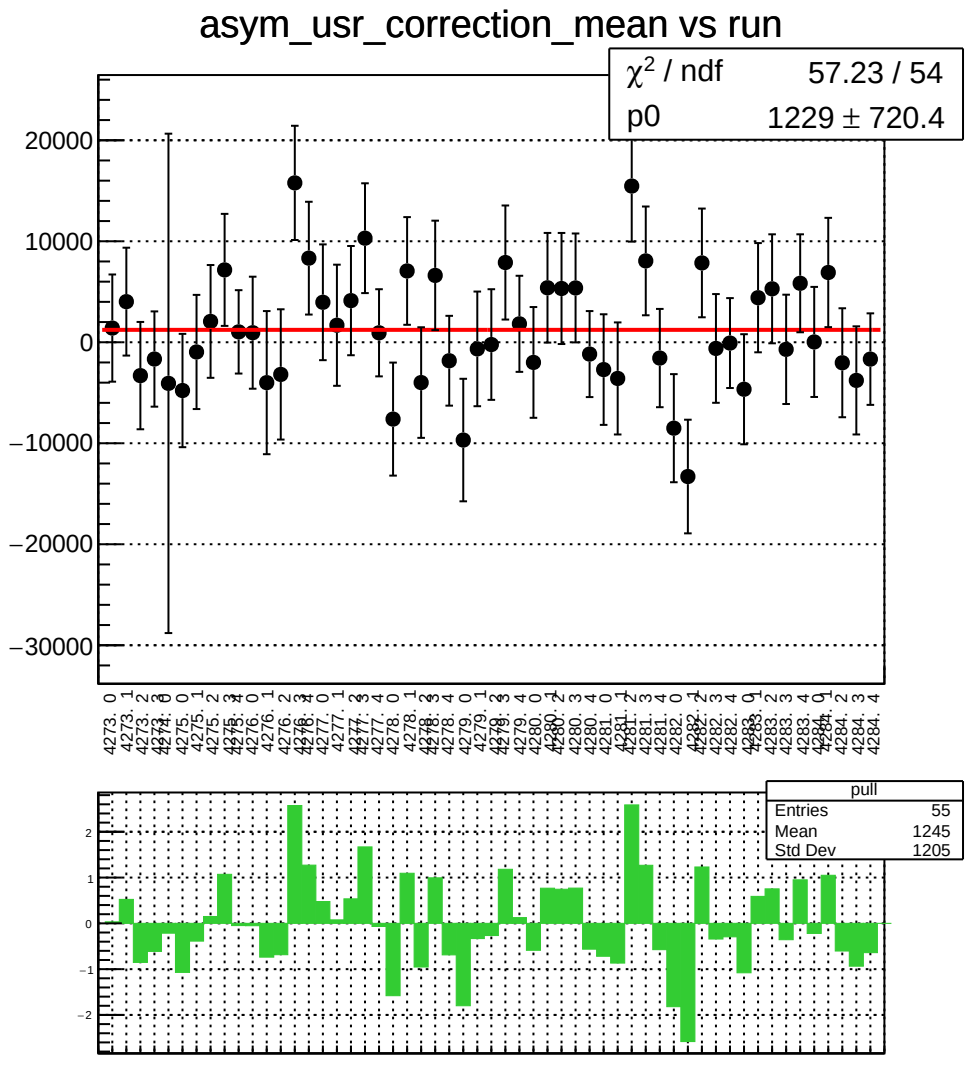
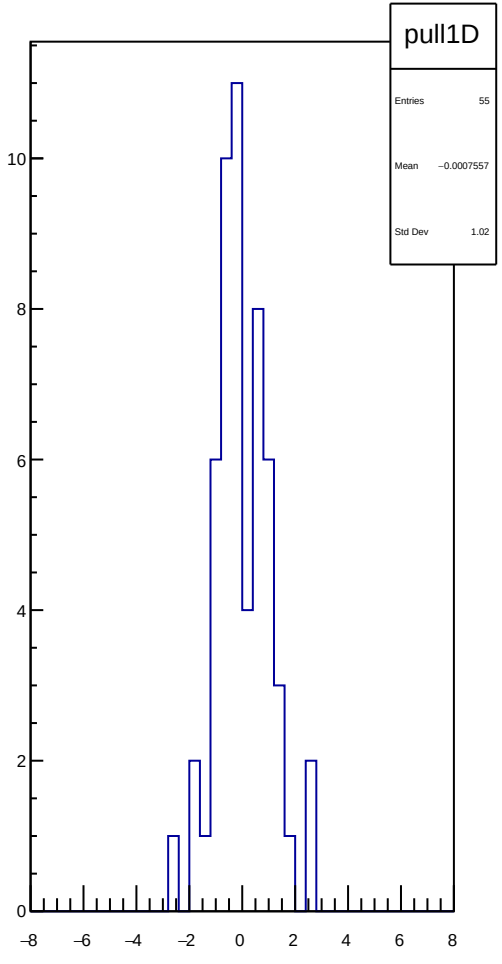
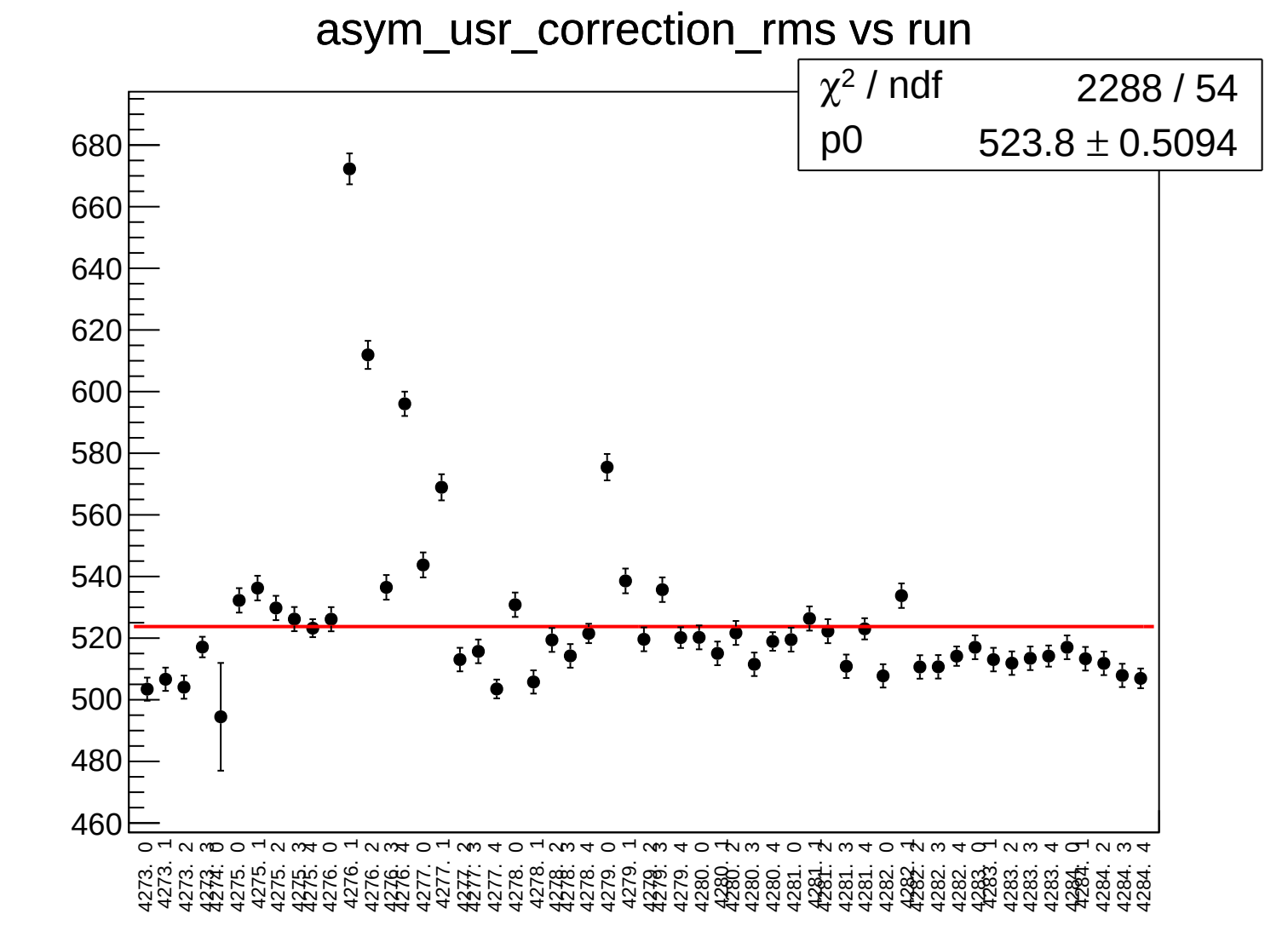
4284. 3
4284. 4


asym_usr_correction_mean vs run
χ² / ndf 57.23 / 54
p0 1229 ± 720.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 55
Mean 1245
Std Dev 1205
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.0007557
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_correction_rms vs run
χ² / ndf 2288 / 54
p0 523.8 ± 0.5094
680
660
640
620
600
580
560
540
520
500
480
460
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 4
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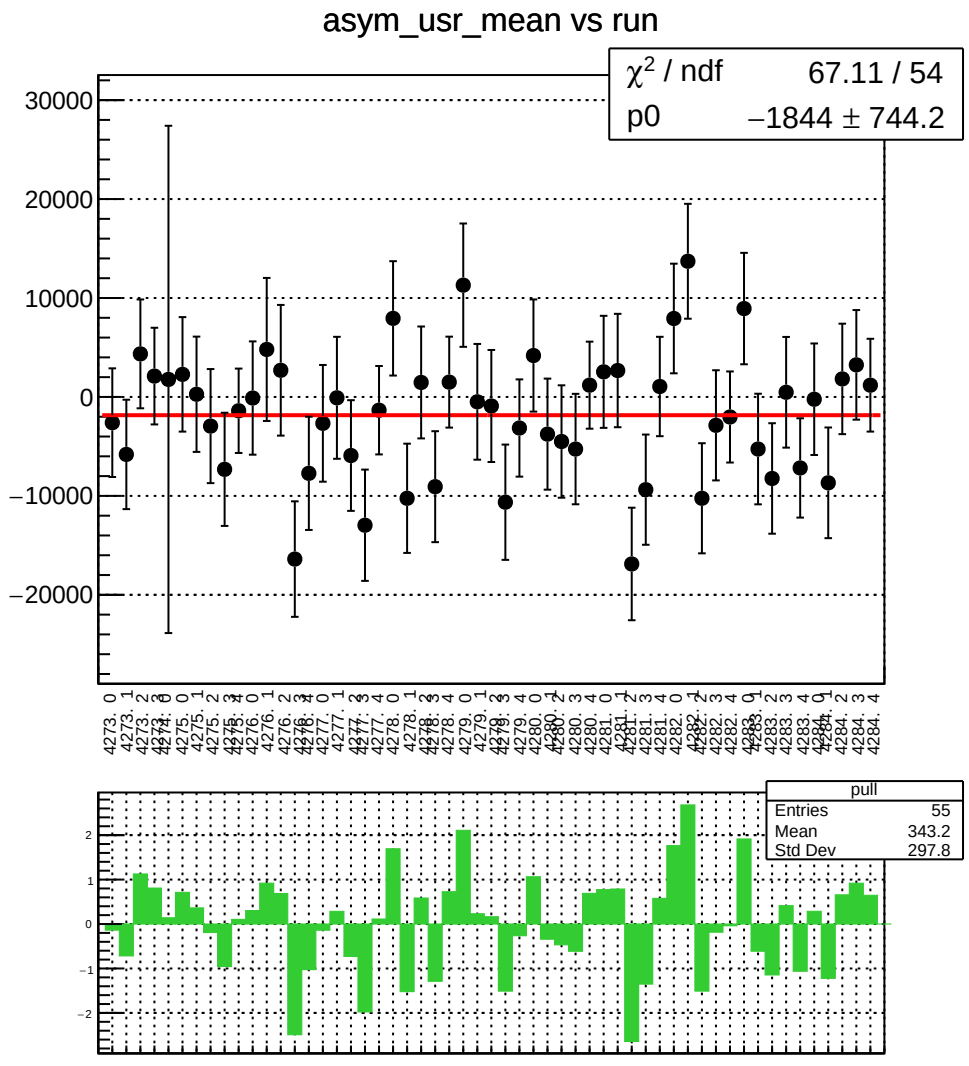
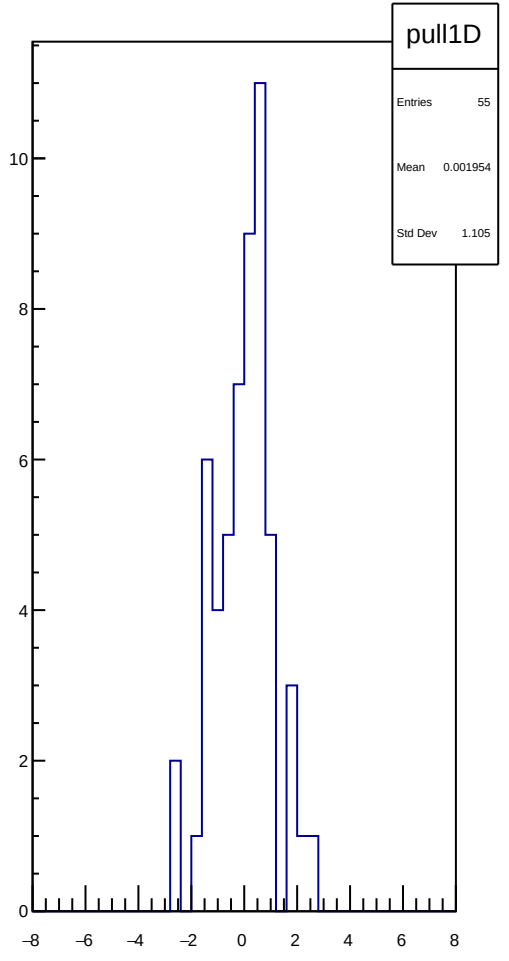
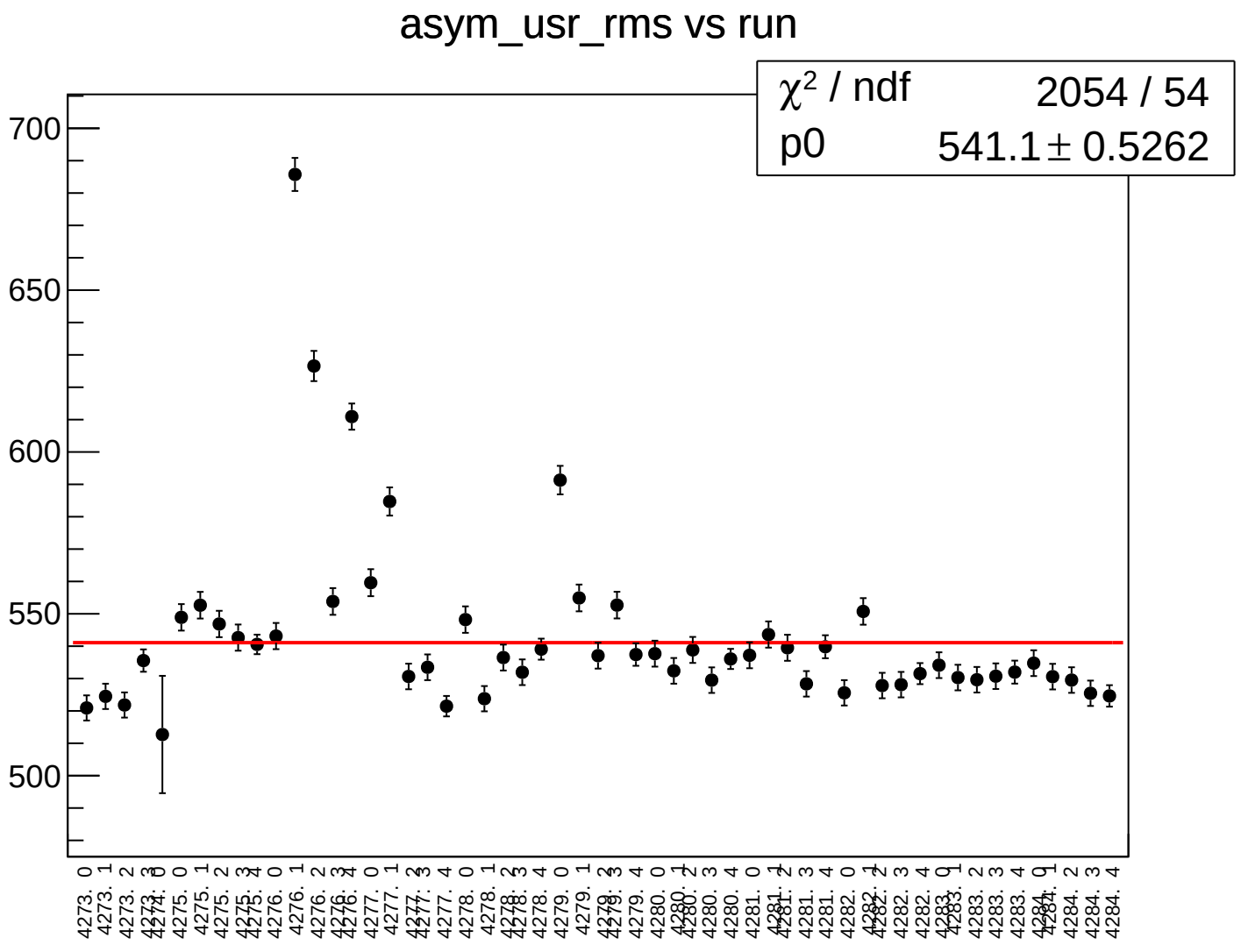
4284. 4


asym_usr_mean vs run
χ^2 / ndf 67.11 / 54
p0 −1844 ± 744.2
30000
20000
10000
0
−10000
−20000
pull
Entries 55
Mean 343.2
Std Dev 297.8
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.001954
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_rms vs run
χ² / ndf 2054 / 54
p0 541.1 ± 0.5262
700
650
600
550
500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
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4277. 0
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4280. 1
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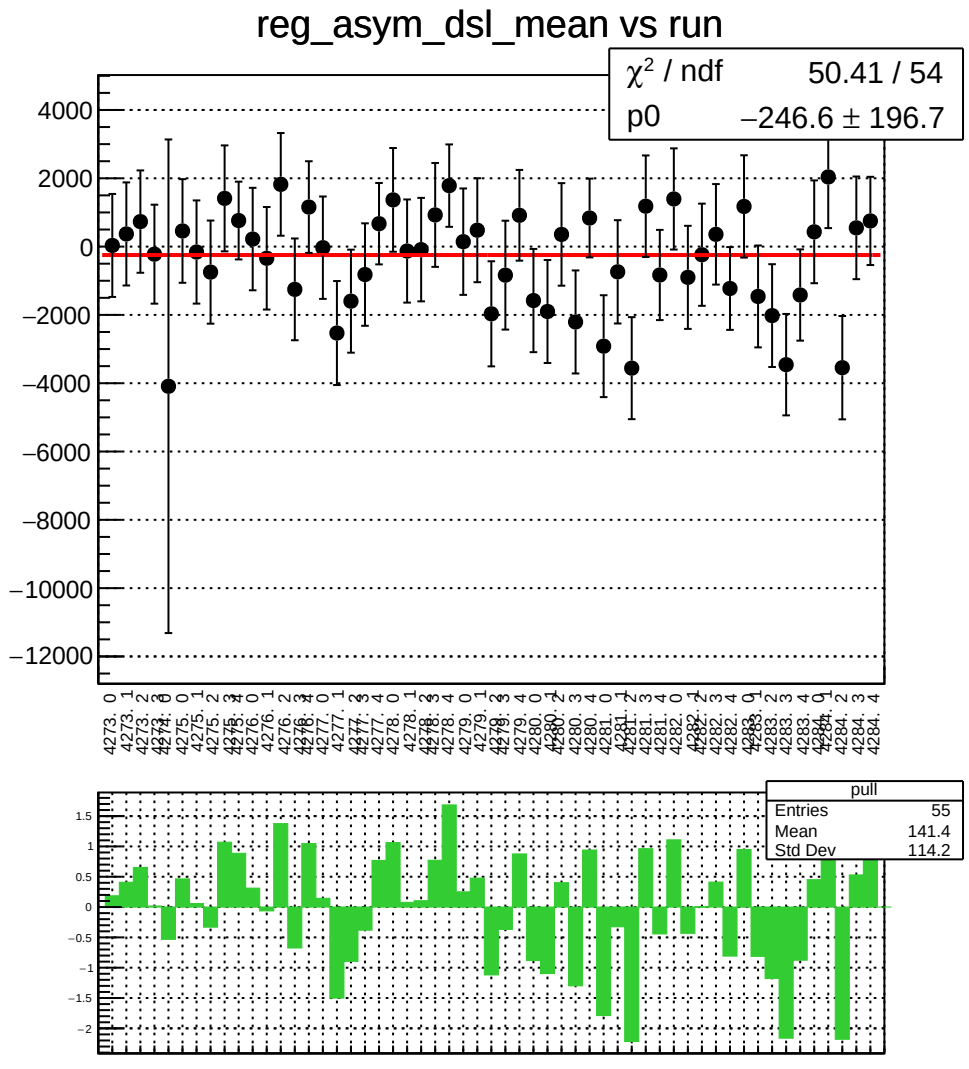
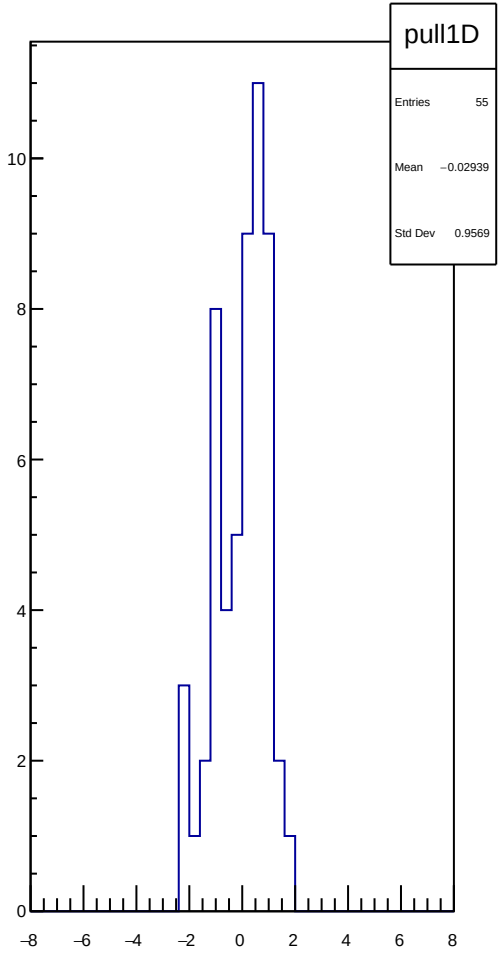
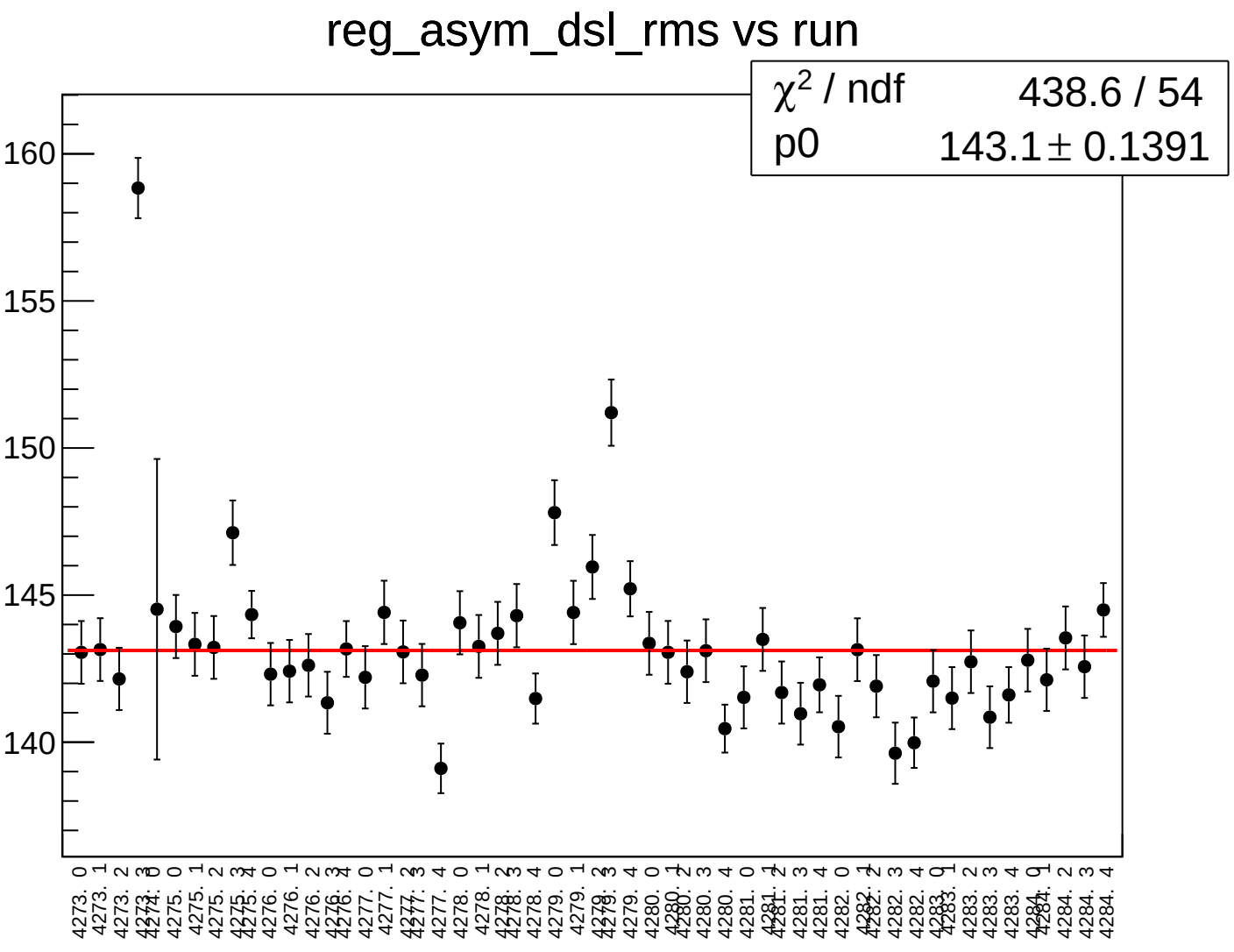

reg_asym_dsl_mean vs run
χ² / ndf 50.41 / 54
p0 −246.6 ± 196.7
pull
Entries 55
Mean 141.4
Std Dev 114.2


pull1D
Entries 55
Mean −0.02939
Std Dev 0.9569


reg_asym_dsl_rms vs run
χ² / ndf 438.6 / 54
p0 143.1 ± 0.1391
160
155
150
145
140
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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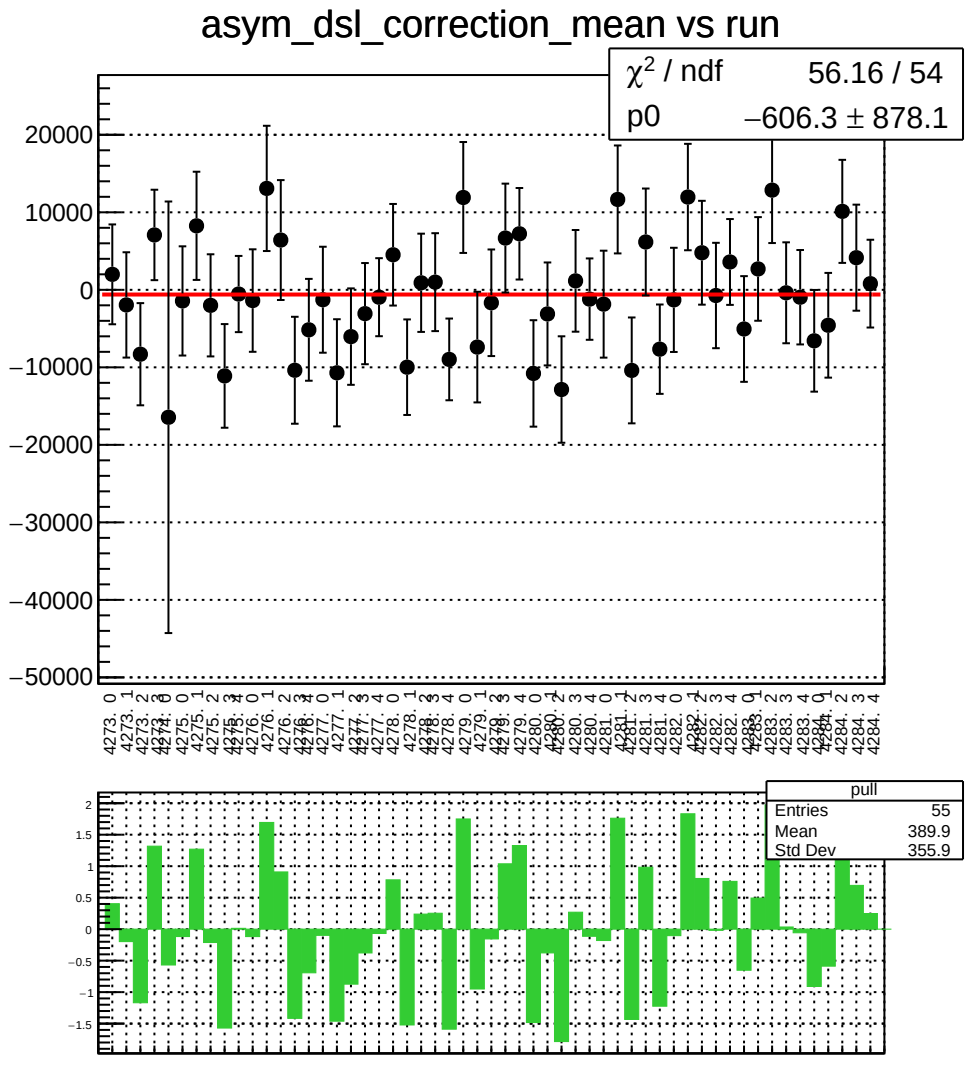
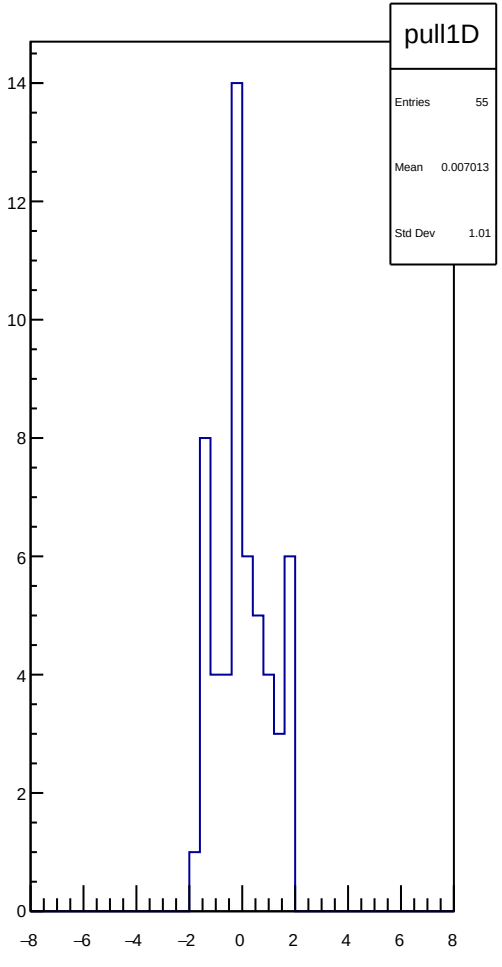
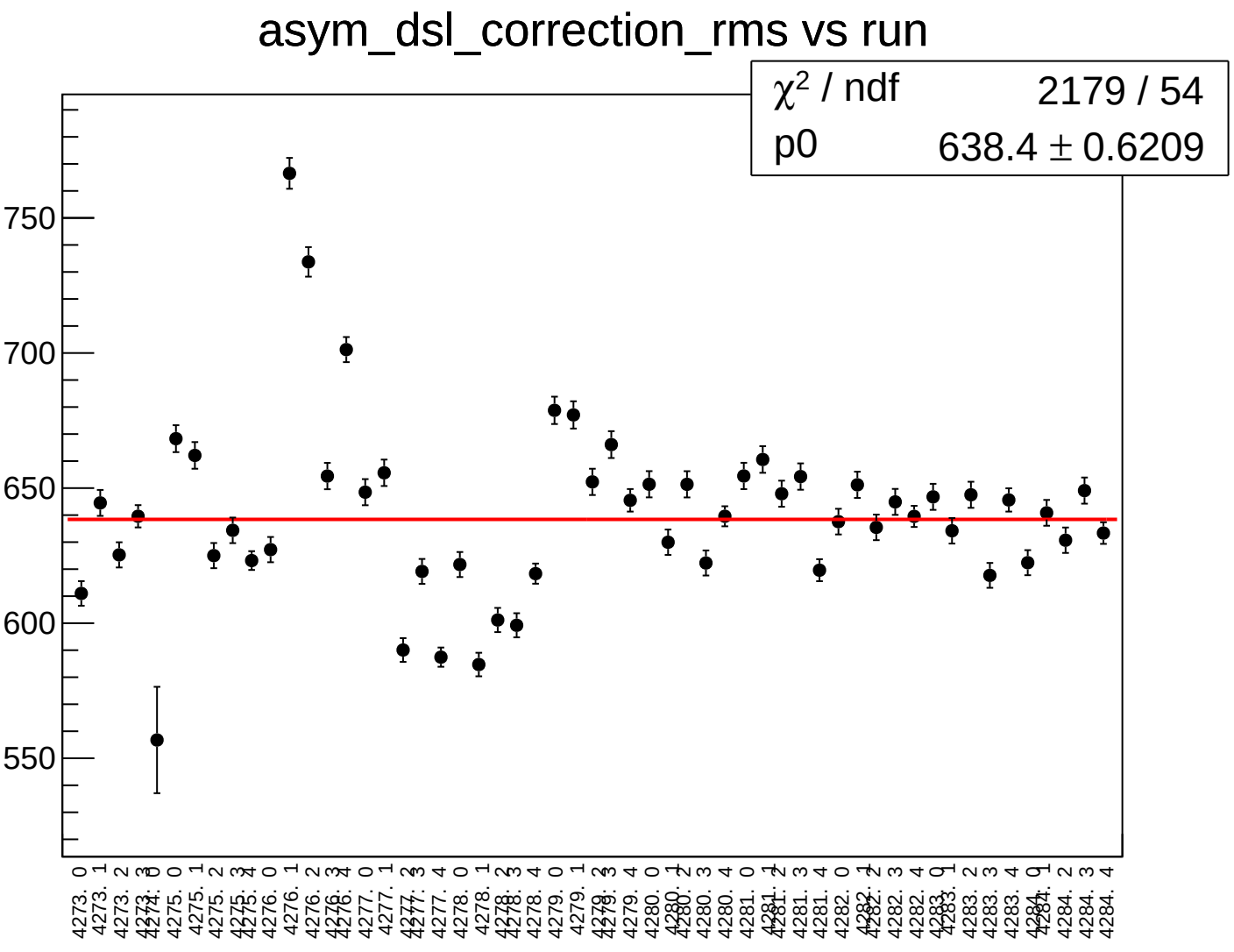
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_dsl_correction_mean vs run
χ² / ndf 56.16 / 54
p0 −606.3 ± 878.1
pull
Entries 55
Mean 389.9
Std Dev 355.9


pull1D
Entries 55
Mean 0.007013
Std Dev 1.01


asym_dsl_correction_rms vs run
χ² / ndf 2179 / 54
p0 638.4 ± 0.6209
750
700
650
600
550
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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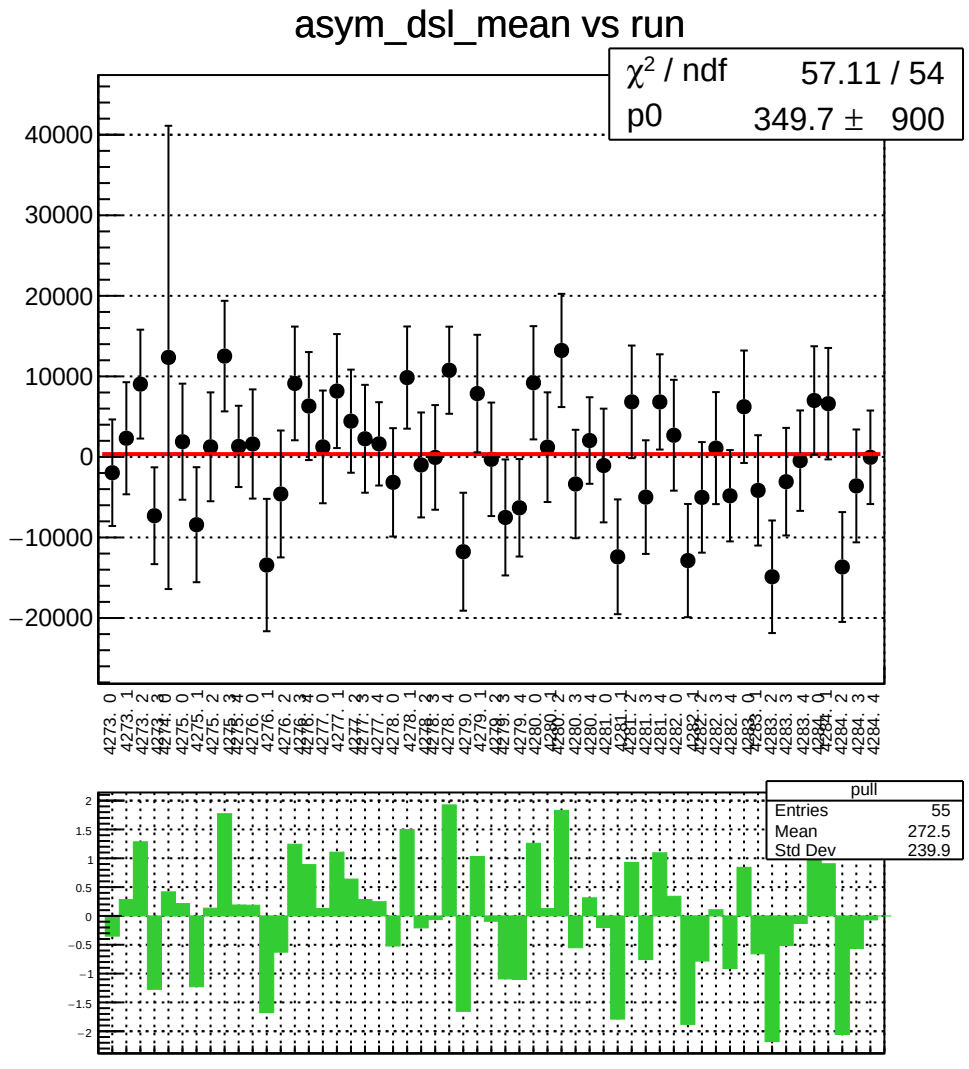
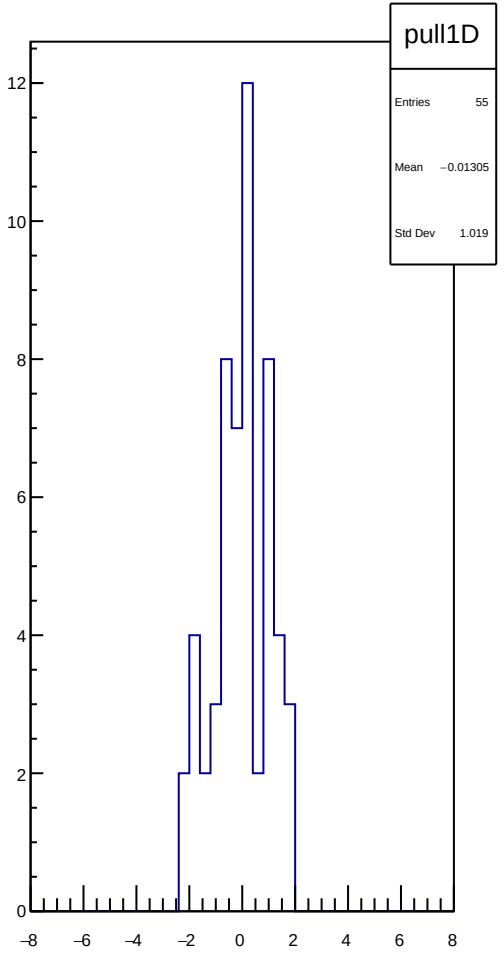
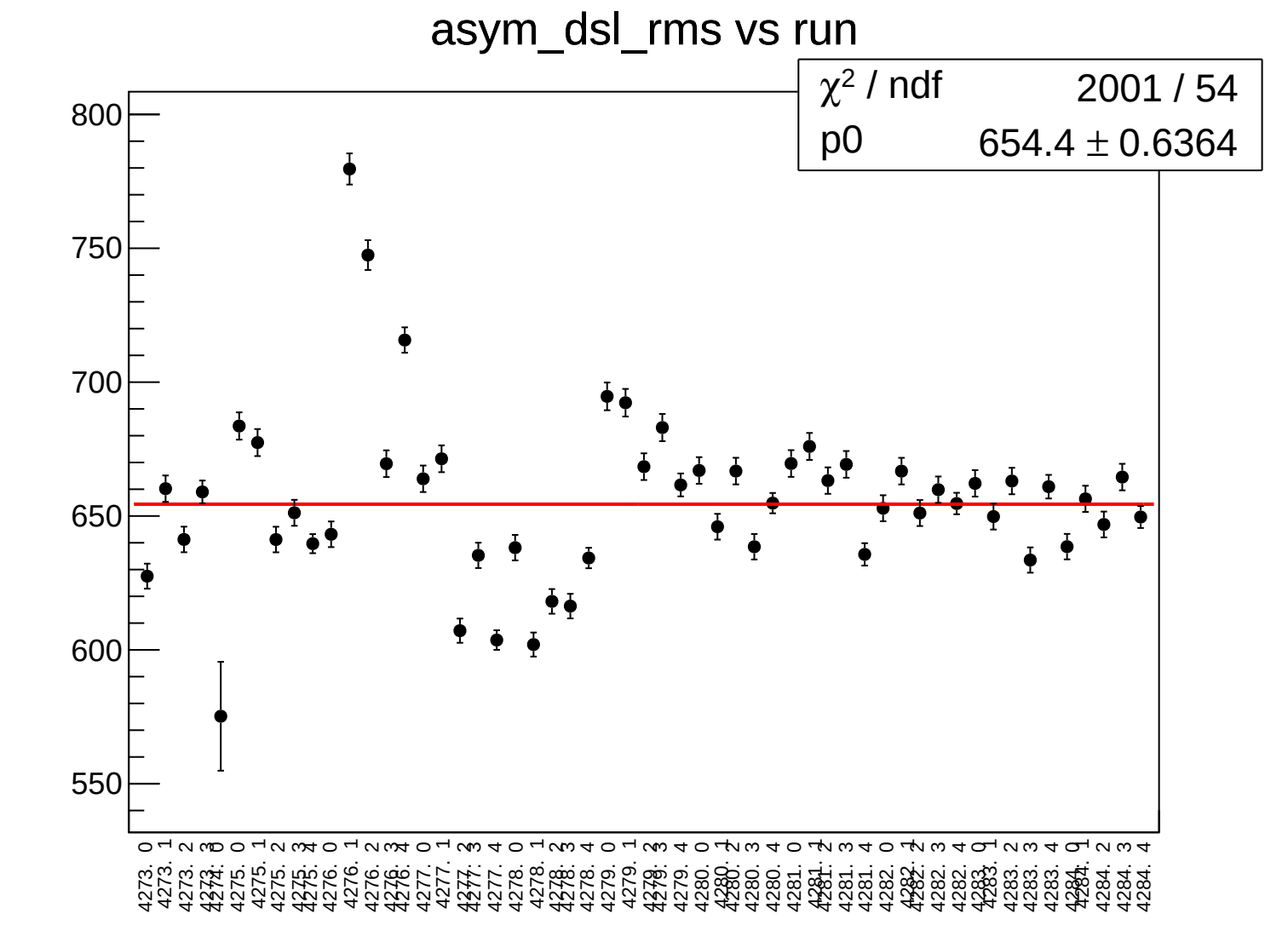
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_dsl_mean vs run
χ² / ndf 57.11 / 54
p0 349.7 ± 900
pull
Entries 55
Mean 272.5
Std Dev 239.9


pull1D
Entries 55
Mean −0.01305
Std Dev 1.019


asym_dsl_rms vs run
χ² / ndf 2001 / 54
p0 654.4 ± 0.6364
800
750
700
650
600
550
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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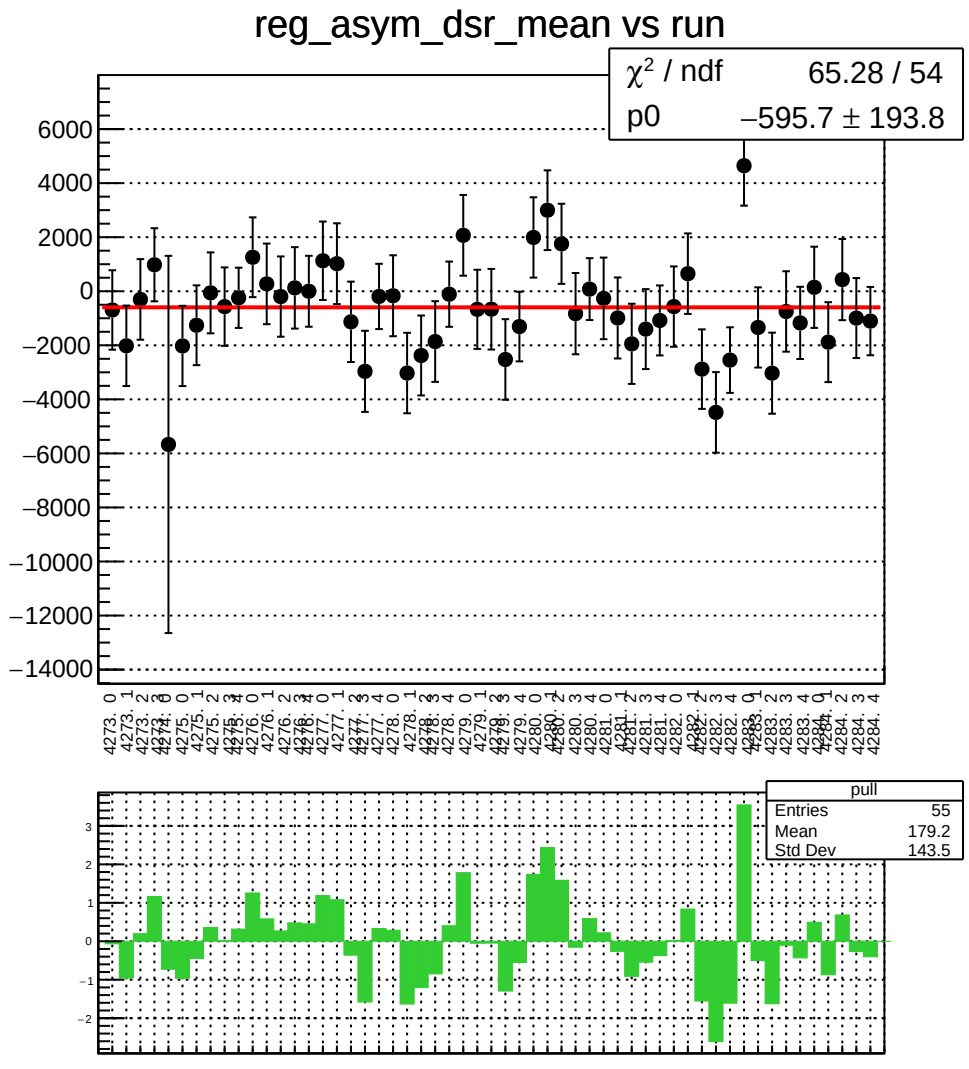
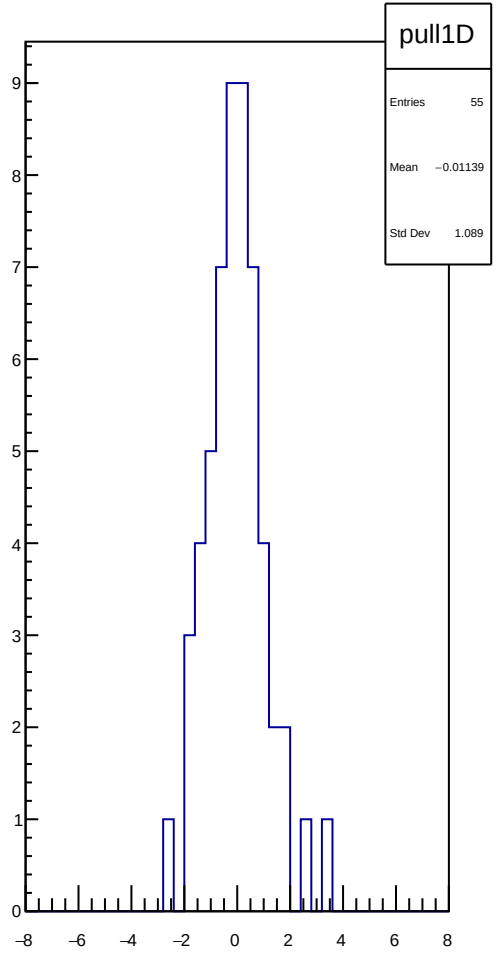
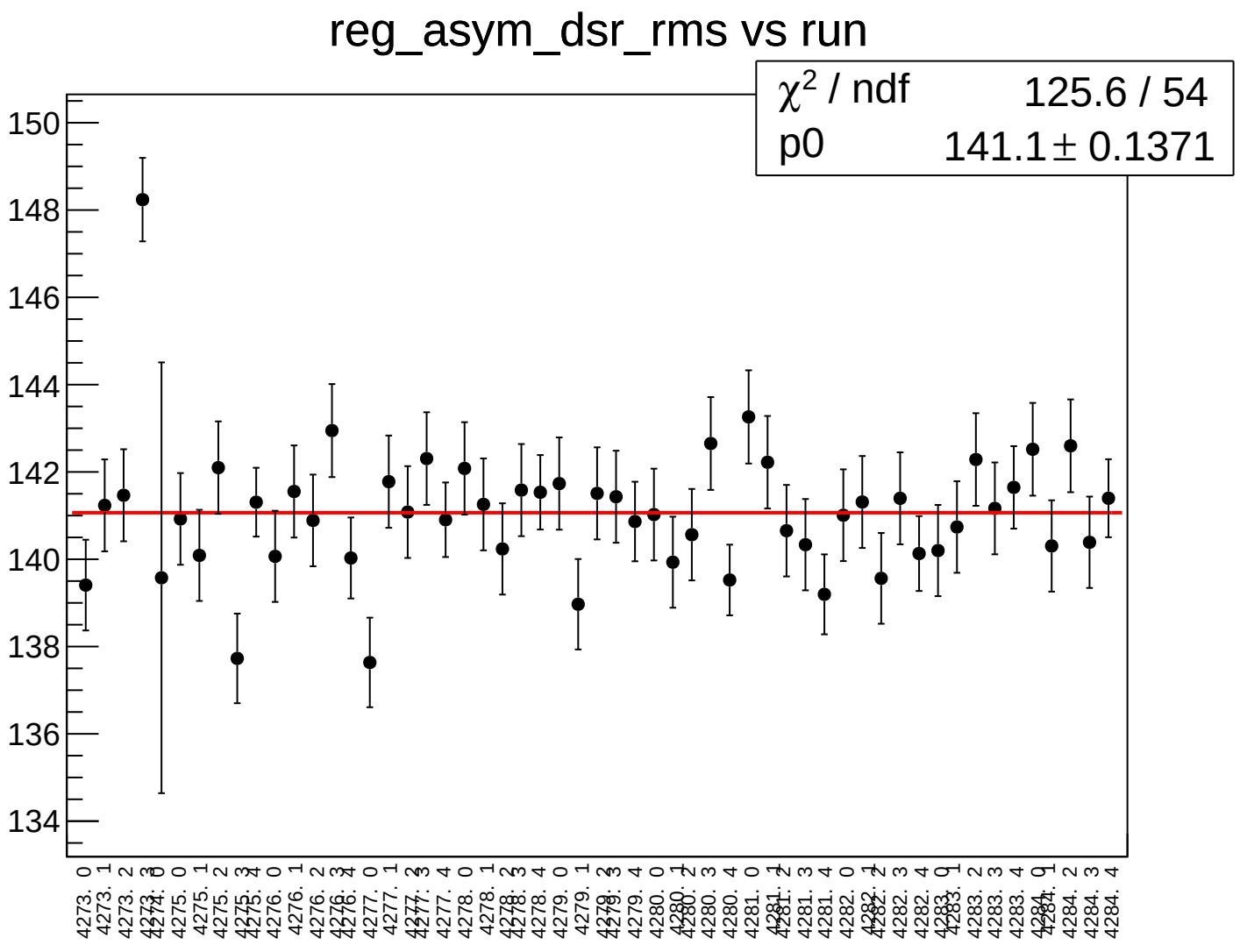
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_dsr_mean vs run
χ² / ndf 65.28 / 54
p0 −595.7 ± 193.8
pull
Entries 55
Mean 179.2
Std Dev 143.5


pull1D
Entries 55
Mean −0.01139
Std Dev 1.089


reg_asym_dsr_rms vs run
χ² / ndf 125.6 / 54
p0 141.1 ± 0.1371
150
148
146
144
142
140
138
136
134
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
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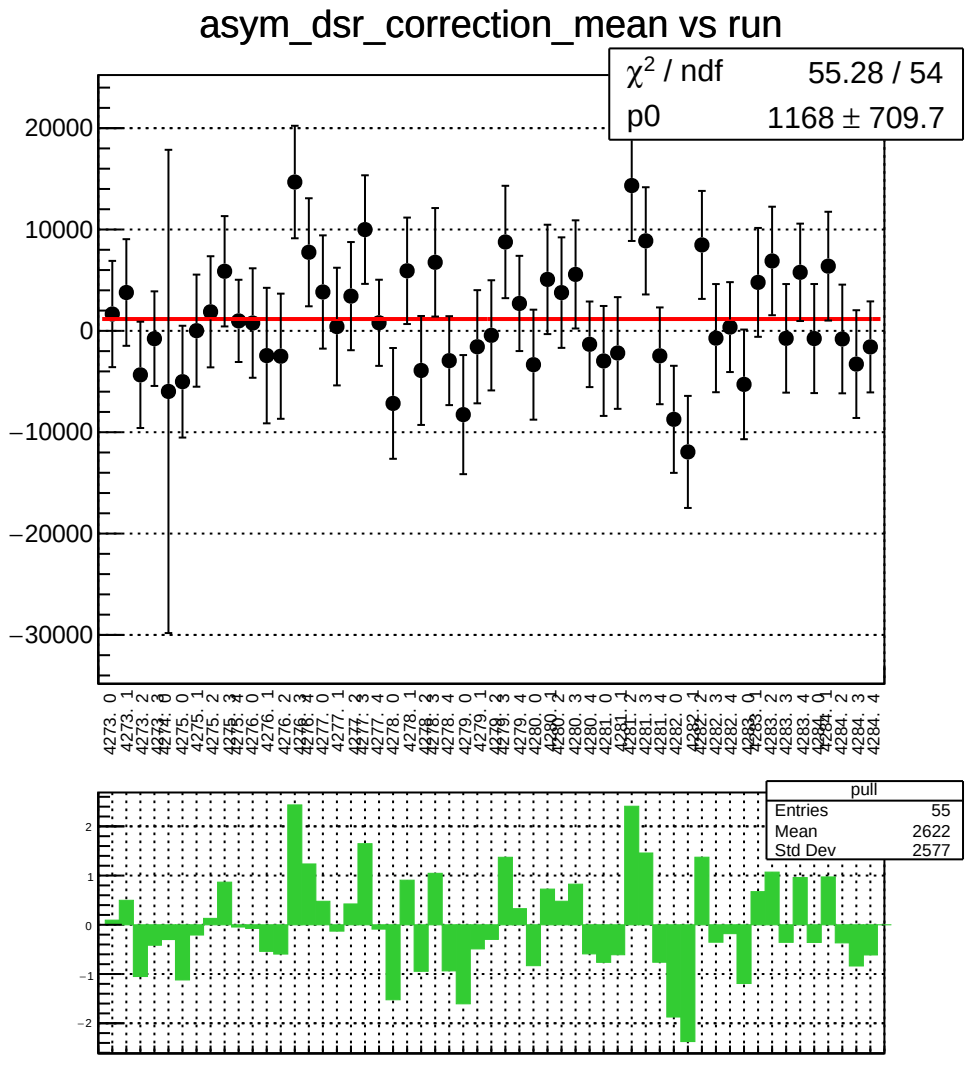
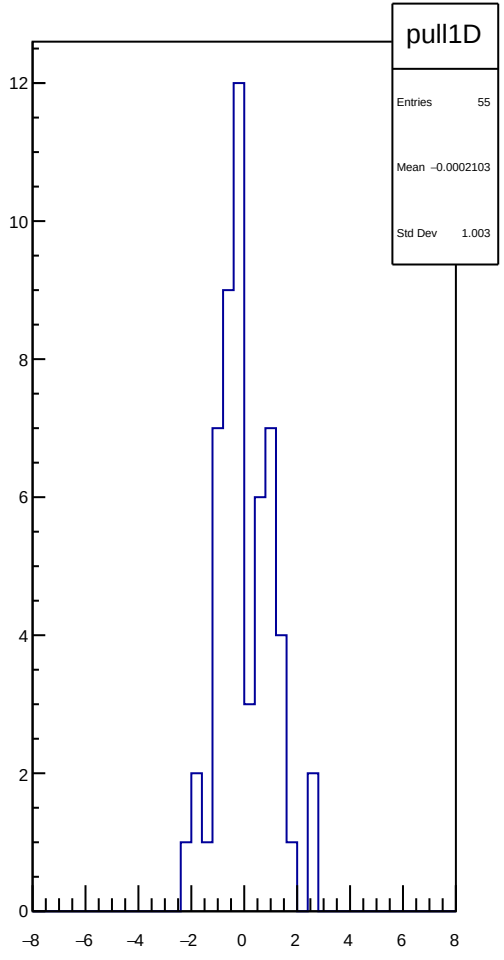
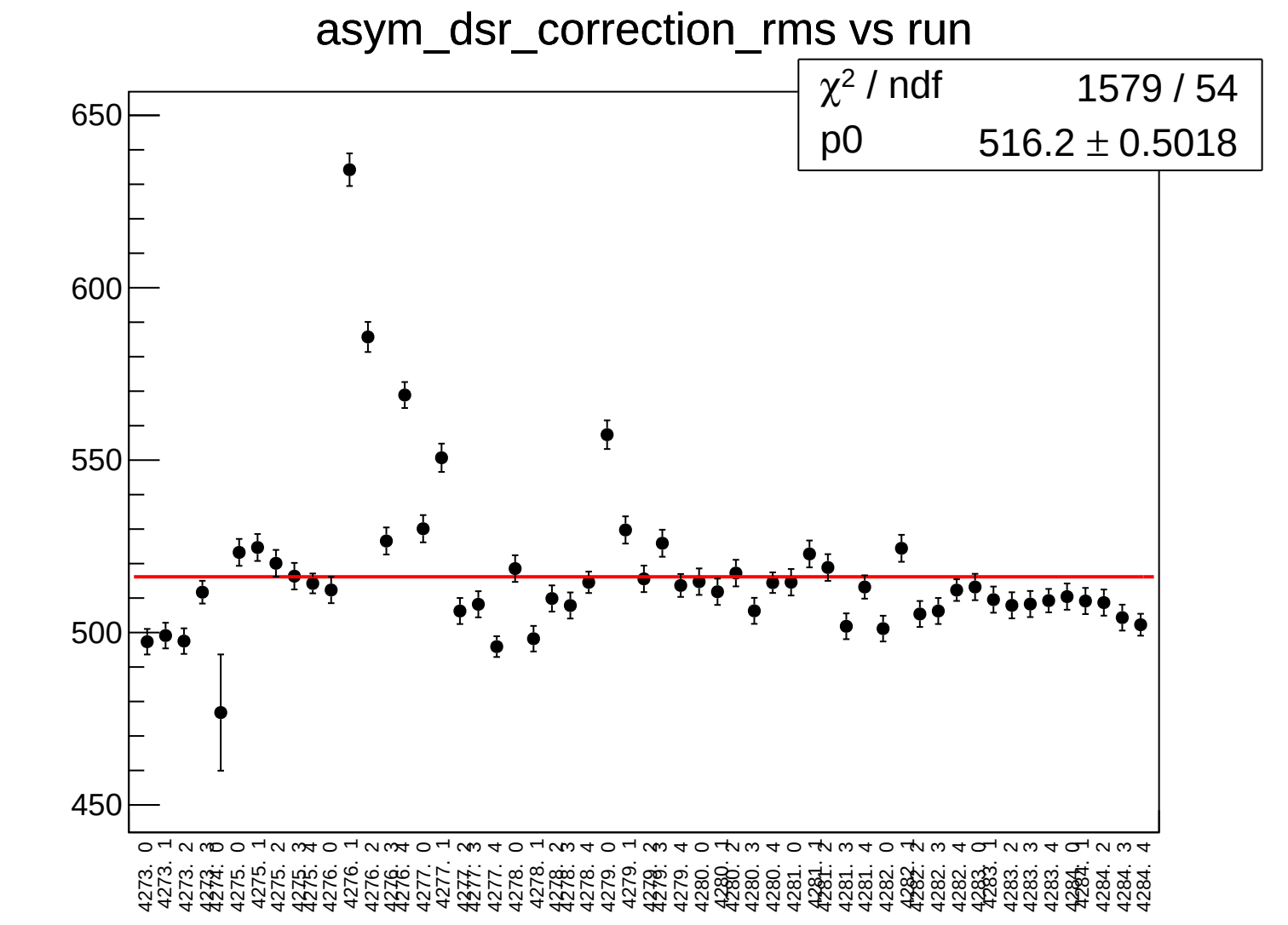
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_dsr_correction_mean vs run
χ² / ndf 55.28 / 54
p0 1168 ± 709.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 55
Mean 2622
Std Dev 2577
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.0002103
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_dsr_correction_rms vs run
χ² / ndf 1579 / 54
p0 516.2 ± 0.5018
650
600
550
500
450
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
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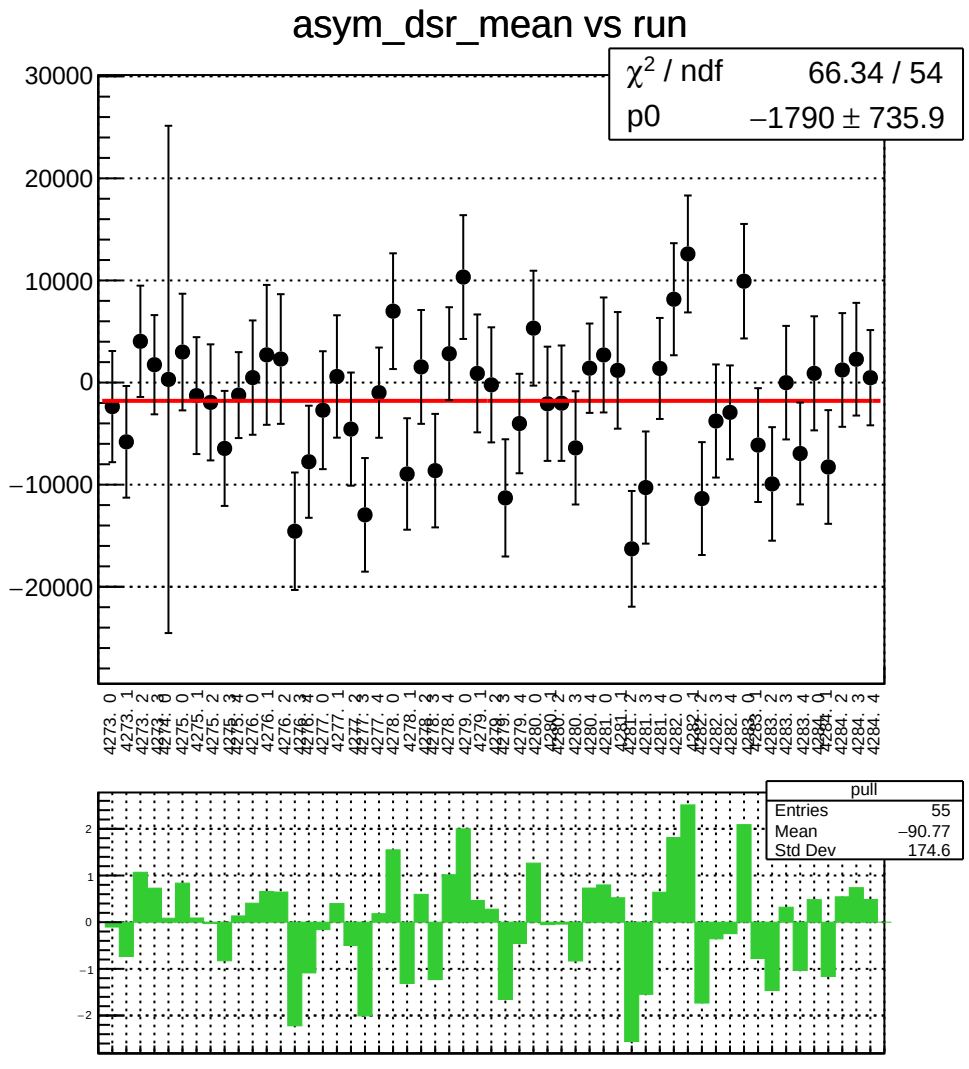
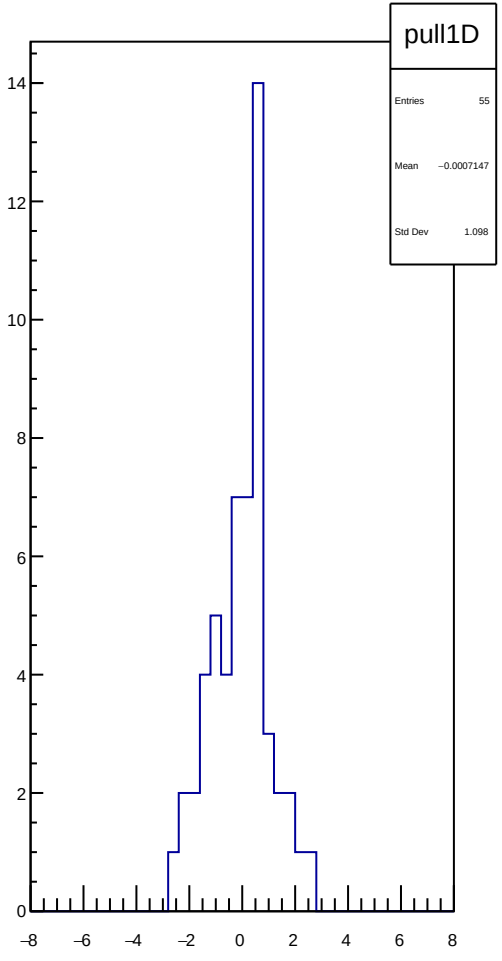
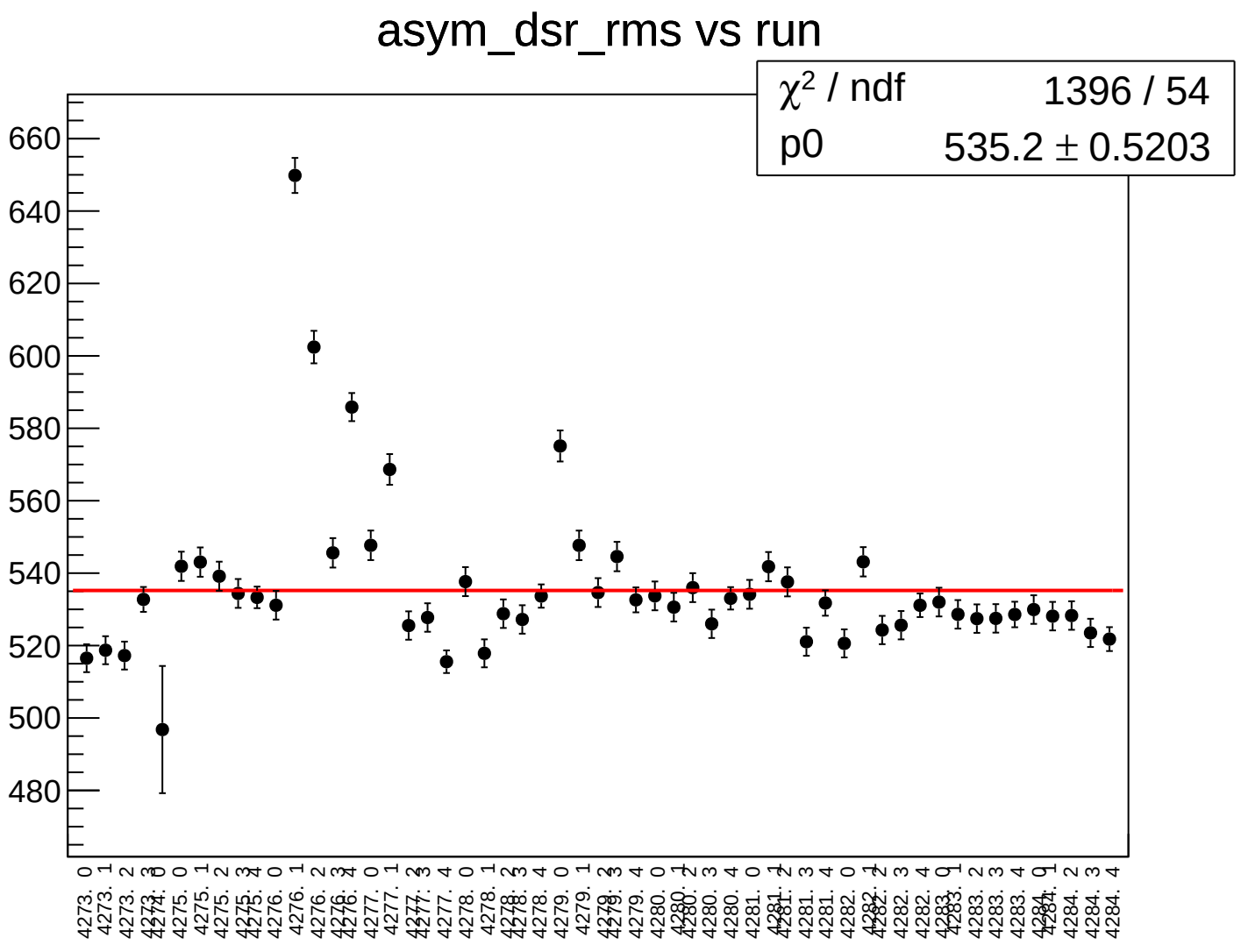
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_dsr_mean vs run
χ^2 / ndf 66.34 / 54
p0 −1790 ± 735.9
30000
20000
10000
0
−10000
−20000
pull
Entries 55
Mean −90.77
Std Dev 174.6
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.0007147
Std Dev 1.098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_dsr_rms vs run
χ² / ndf 1396 / 54
p0 535.2 ± 0.5203
660
640
620
600
580
560
540
520
500
480
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 1
4281. 2
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4281. 4
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4282. 2
4282. 3
4282. 4
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4283. 2
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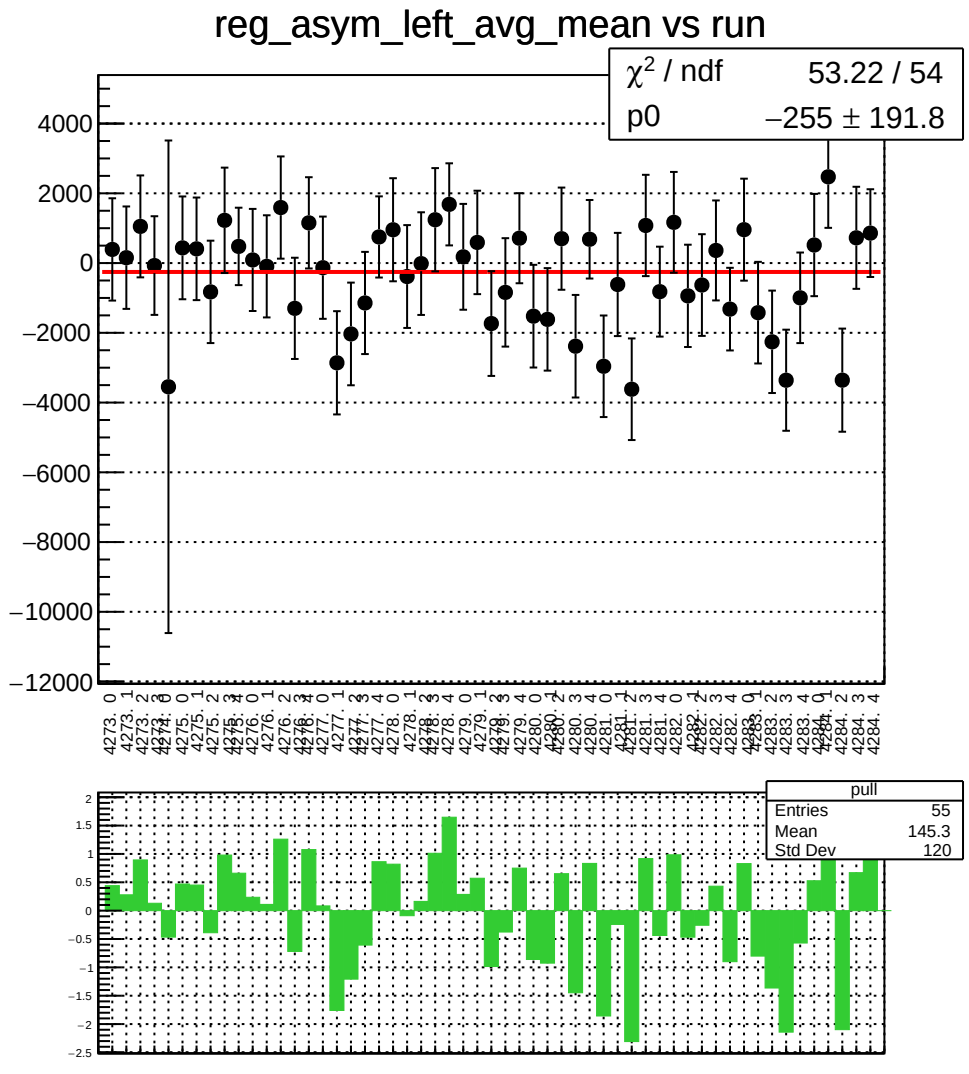
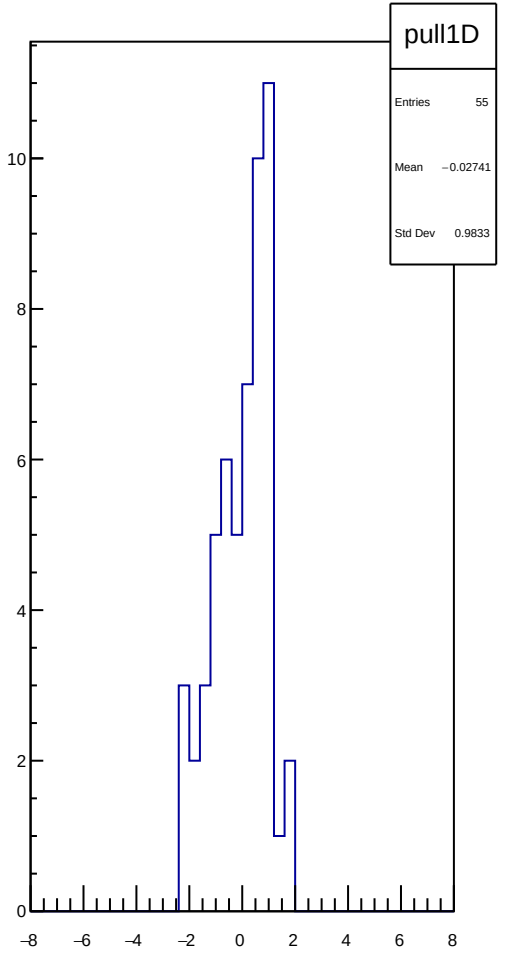
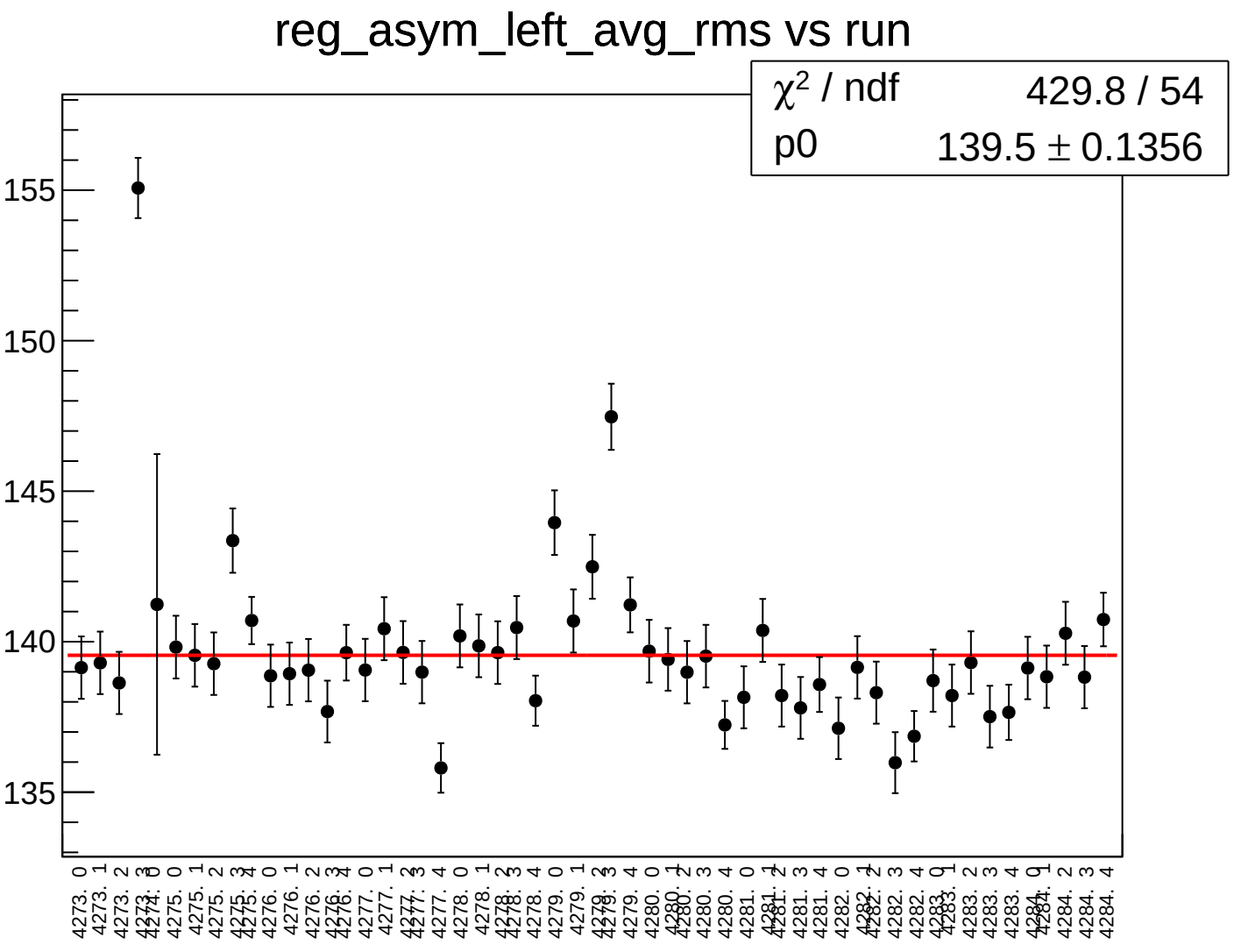
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_left_avg_mean vs run
χ² / ndf 53.22 / 54
p0 −255 ± 191.8
pull
Entries 55
Mean 145.3
Std Dev 120


pull1D
Entries 55
Mean −0.02741
Std Dev 0.9833


reg_asym_left_avg_rms vs run
χ² / ndf 429.8 / 54
p0 139.5 ± 0.1356
155
150
145
140
135
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
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4277. 0
4277. 1
4277. 2
4277. 3
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4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
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4280. 4
4281. 0
4281. 1
4281. 2
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4282. 1
4282. 2
4282. 3
4282. 4
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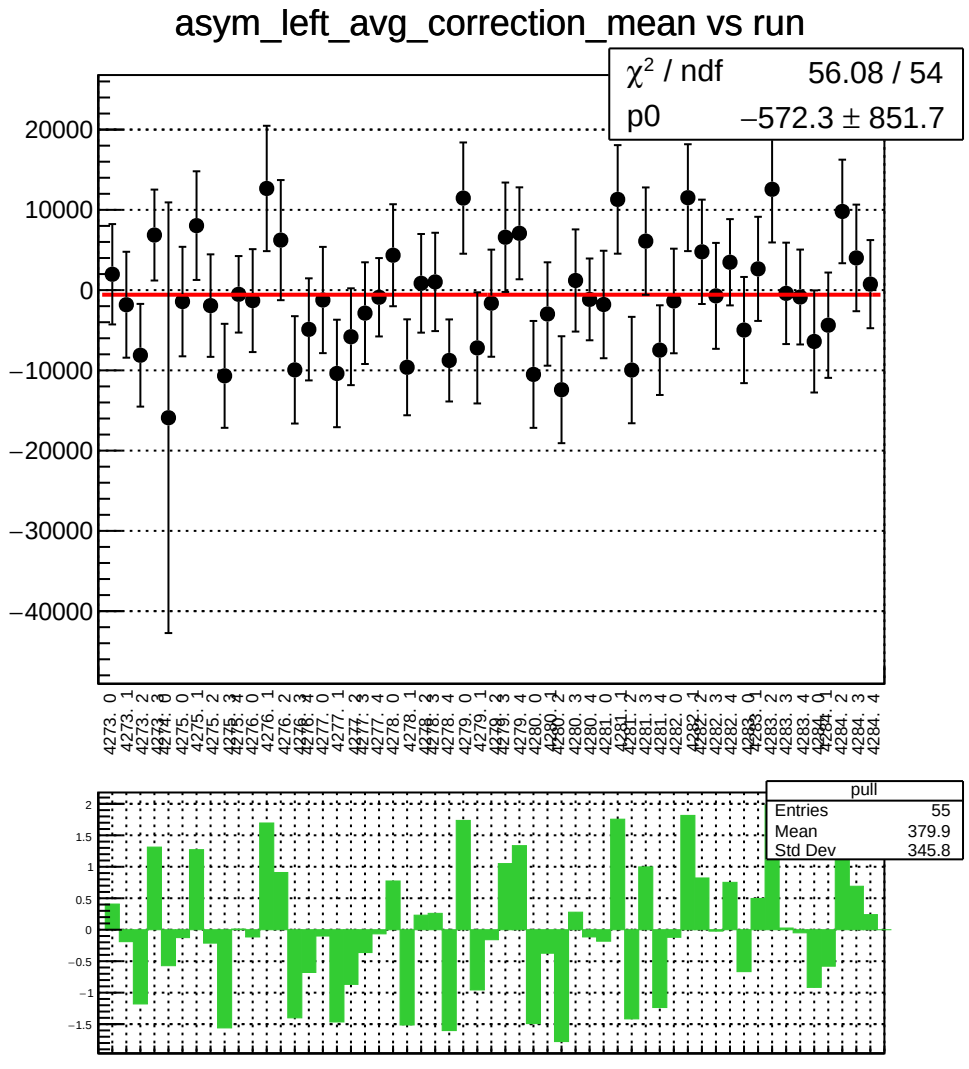
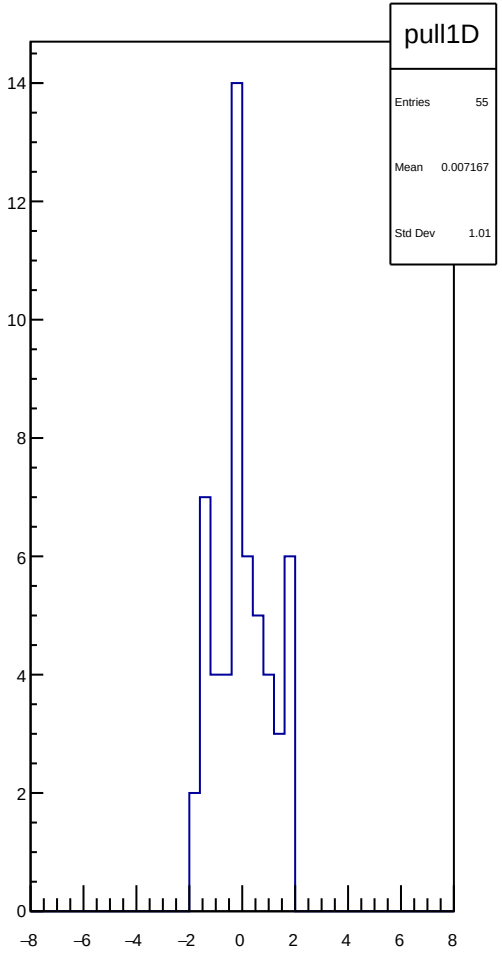
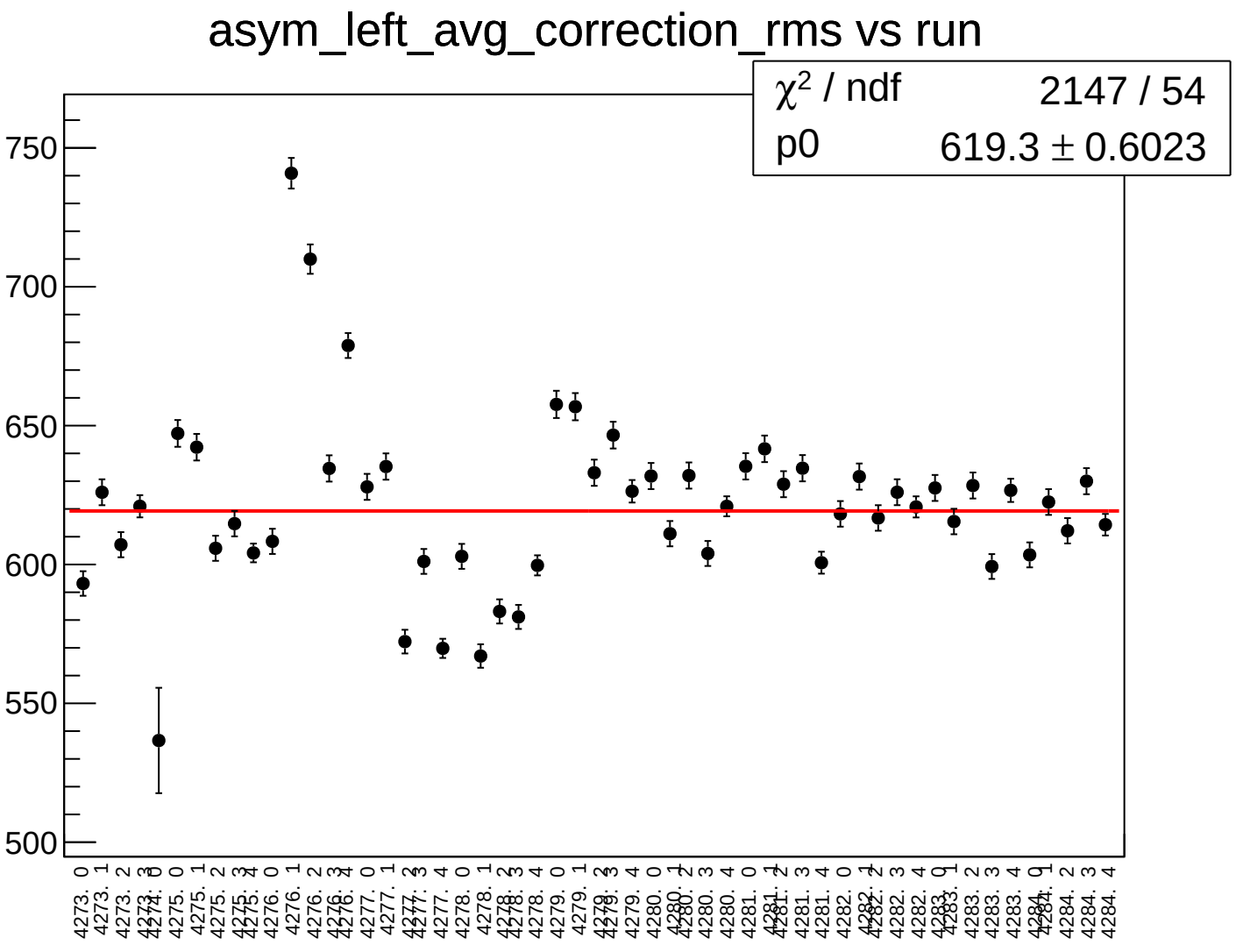
4284. 3
4284. 4


asym_left_avg_correction_mean vs run
χ² / ndf 56.08 / 54
p0 −572.3 ± 851.7
pull
Entries 55
Mean 379.9
Std Dev 345.8


pull1D
Entries 55
Mean 0.007167
Std Dev 1.01


asym_left_avg_correction_rms vs run
χ² / ndf 2147 / 54
p0 619.3 ± 0.6023
750
700
650
600
550
500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4277. 2
4277. 3
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4278. 1
4278. 2
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4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 1
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4282. 1
4282. 2
4282. 3
4282. 4
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4284. 1
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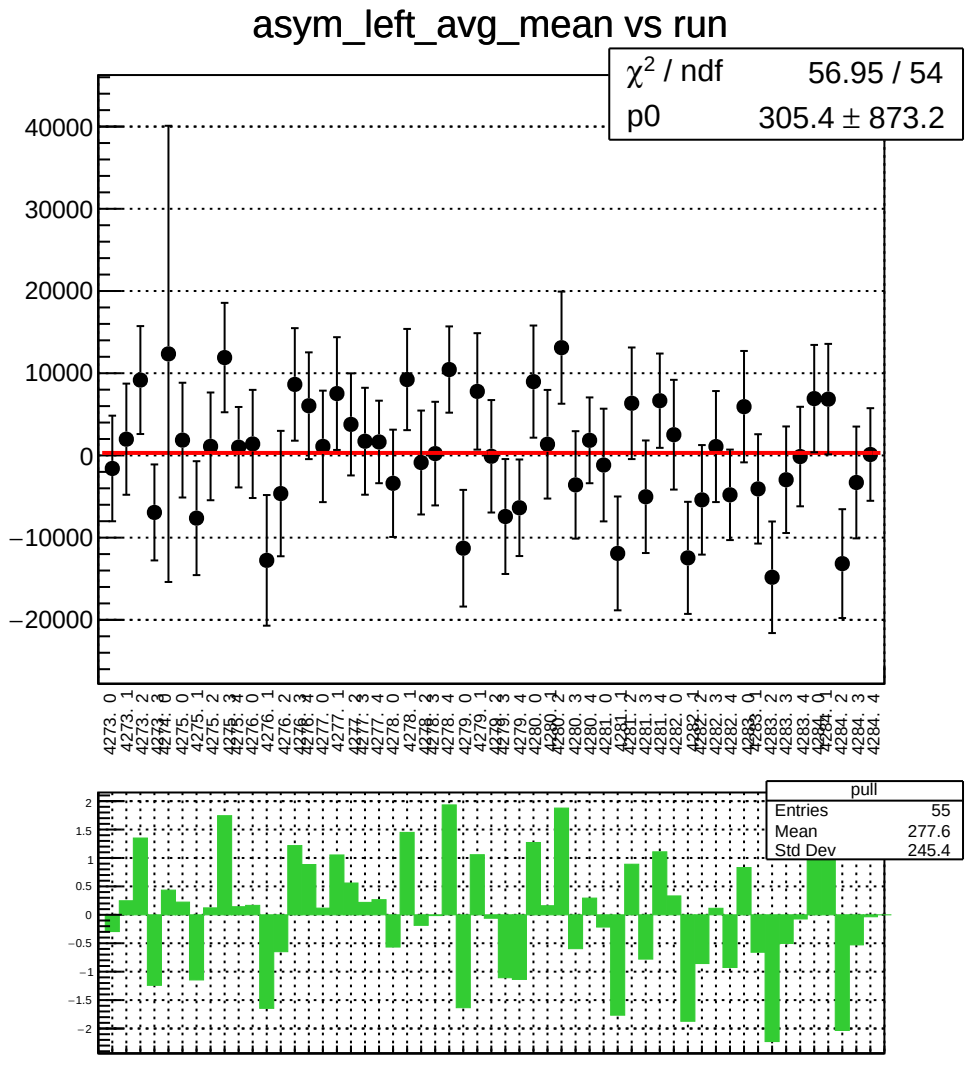
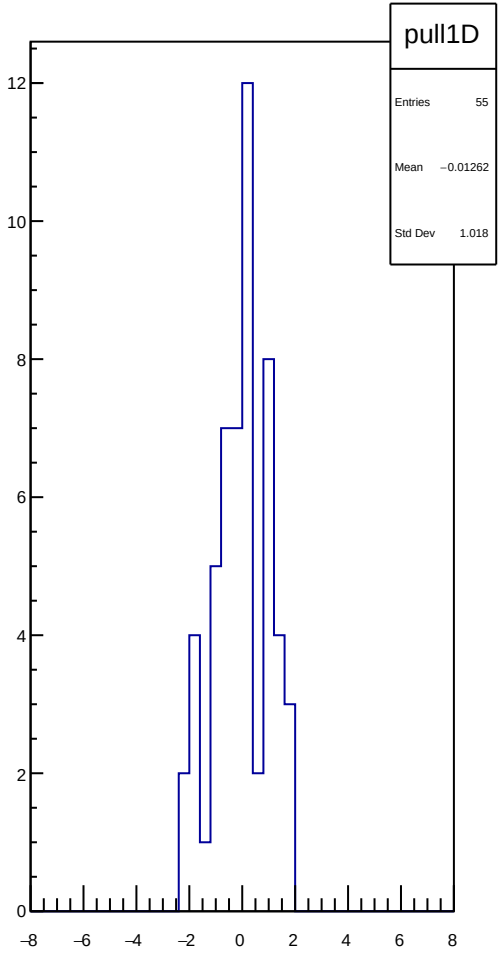
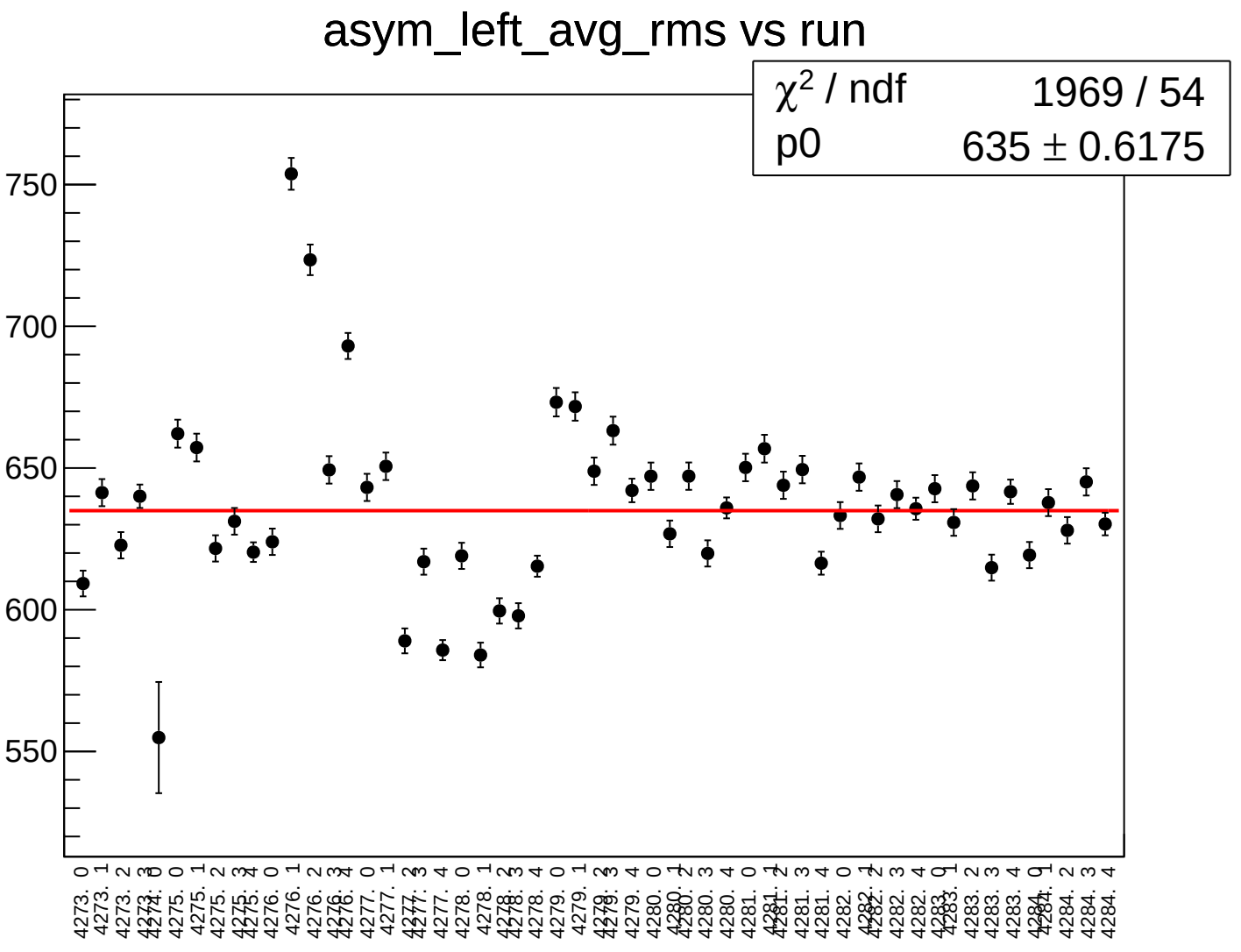
4284. 3
4284. 4


asym_left_avg_mean vs run
χ² / ndf 56.95 / 54
p0 305.4 ± 873.2
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 55
Mean 277.6
Std Dev 245.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.01262
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_left_avg_rms vs run
χ² / ndf 1969 / 54
p0 635 ± 0.6175
750
700
650
600
550
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
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4275. 1
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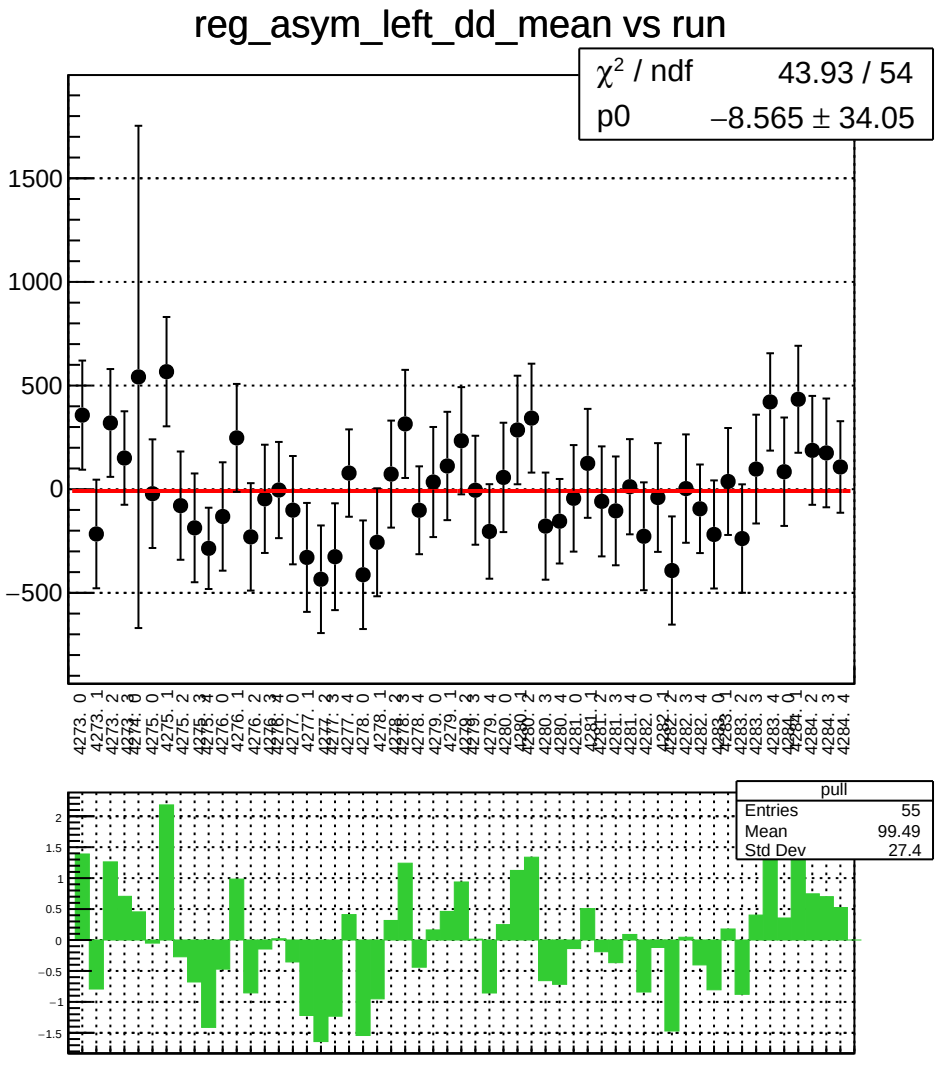
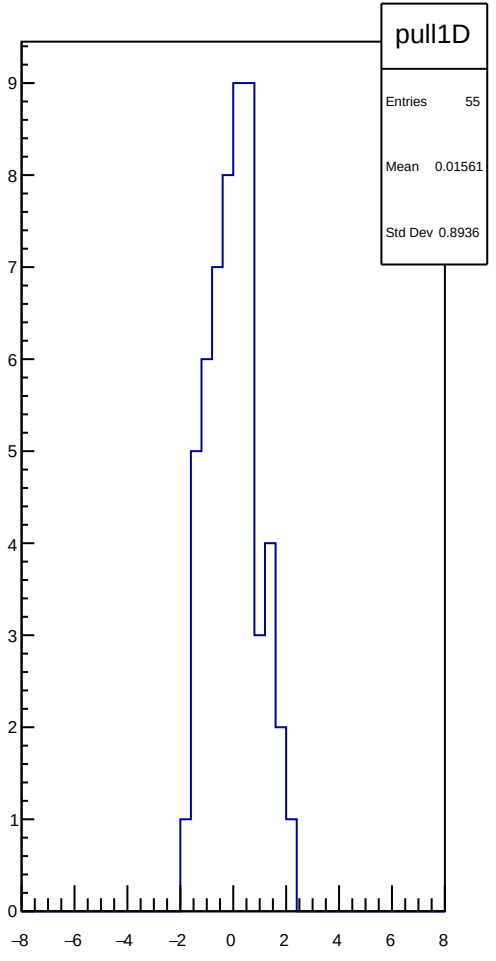
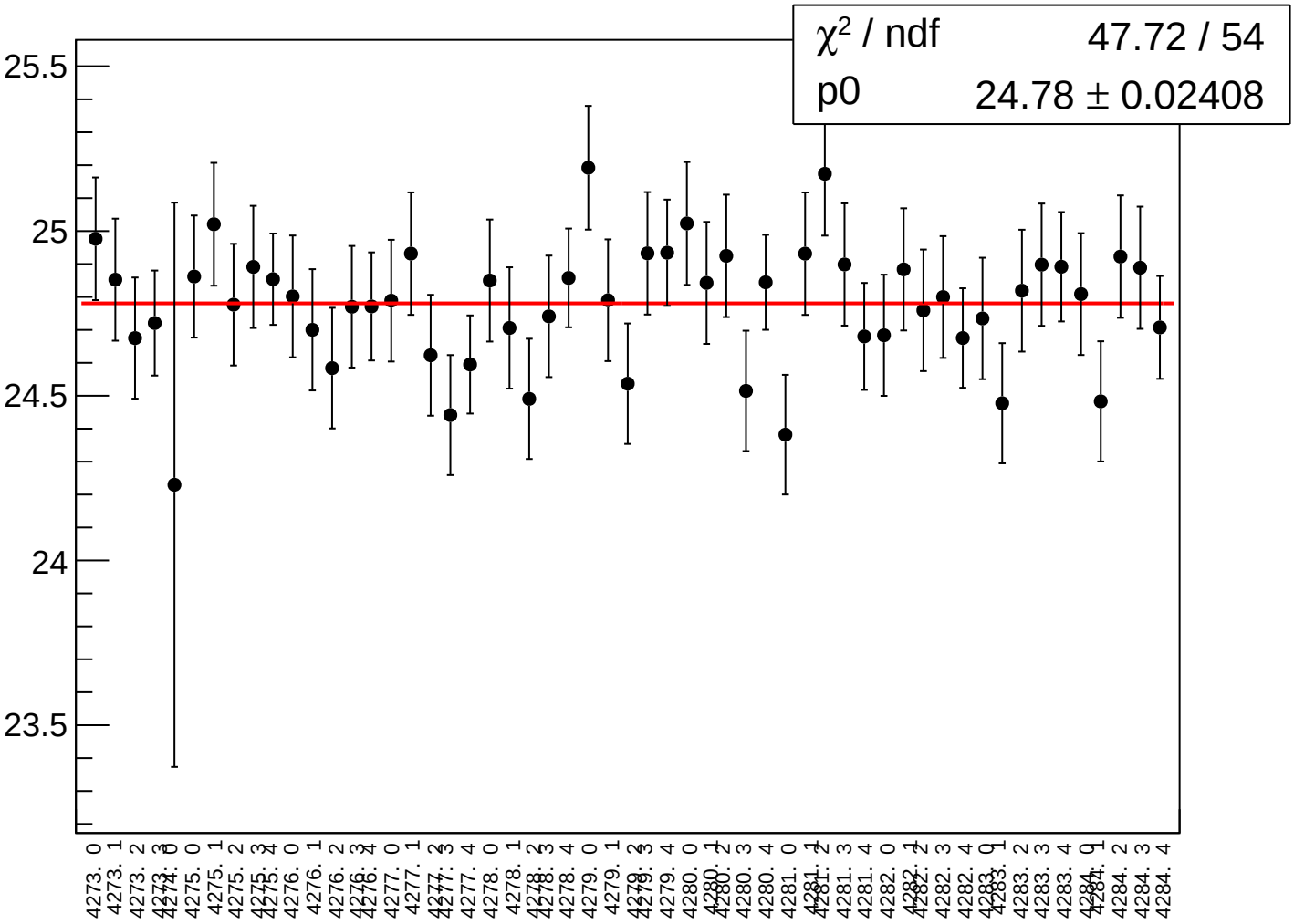
4284. 4


reg_asym_left_dd_mean vs run
χ² / ndf 43.93 / 54
p0 −8.565 ± 34.05
1500
1000
500
0
−500
pull
Entries 55
Mean 99.49
Std Dev 27.4
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 55
Mean 0.01561
Std Dev 0.8936
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 47.72 / 54
p0 24.78 ± 0.02408
25.5
25
24.5
24
23.5
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
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4279. 2
4279. 3
4279. 4
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4280. 1
4280. 2
4280. 3
4280. 4
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4281. 3
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4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
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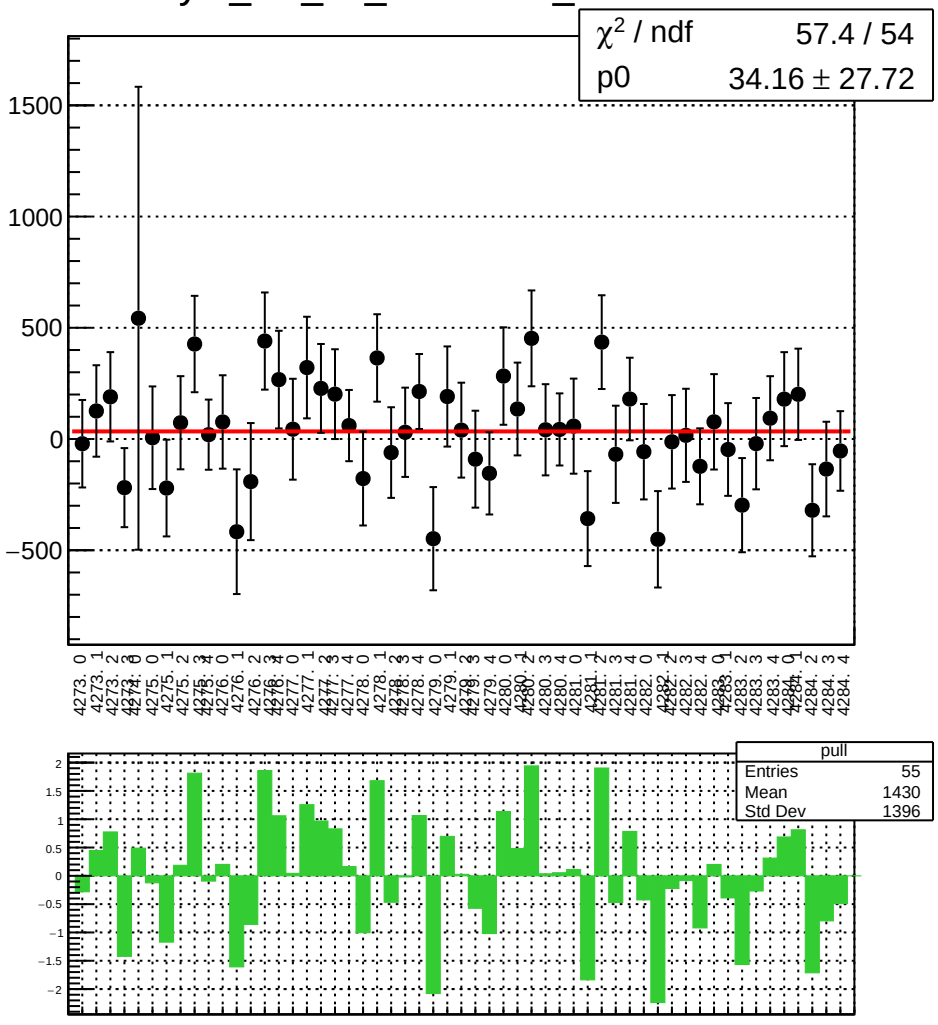
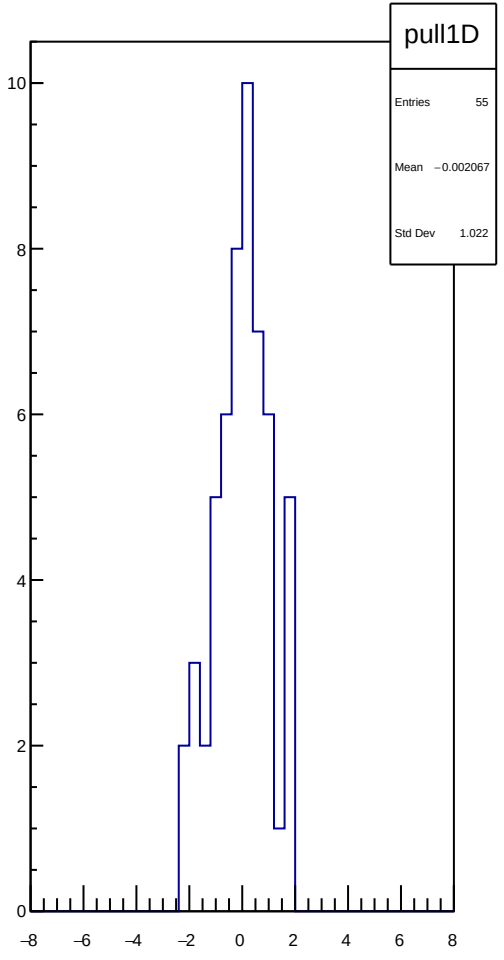
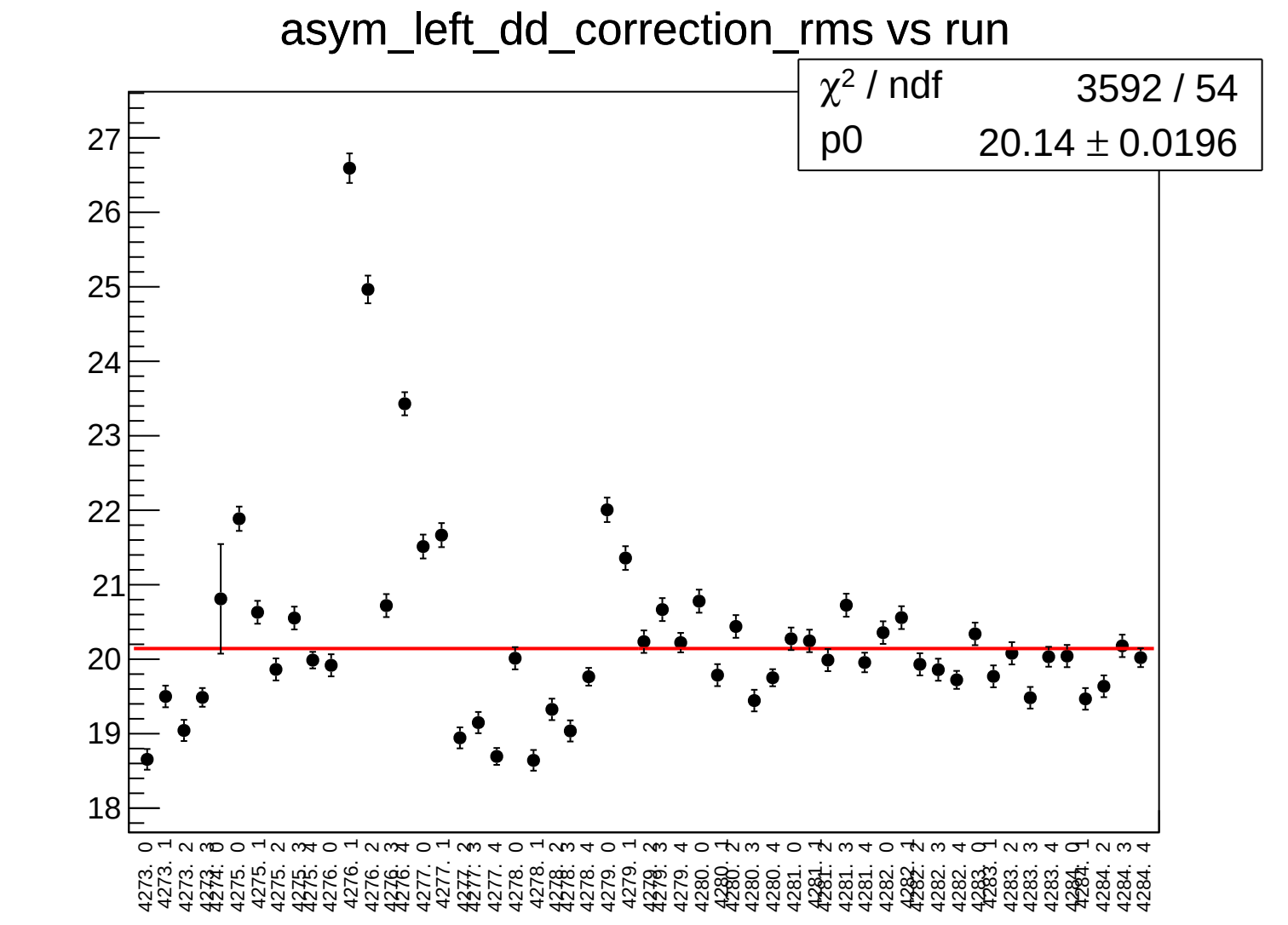
4284. 1
4284. 2
4284. 3
4284. 4


asym_left_dd_correction_mean vs run
χ² / ndf 57.4 / 54
p0 34.16 ± 27.72
1500
1000
500
0
−500
pull
Entries 55
Mean 1430
Std Dev 1396
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.002067
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_left_dd_correction_rms vs run
χ² / ndf 3592 / 54
p0 20.14 ± 0.0196
27
26
25
24
23
22
21
20
19
18
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4276. 2
4276. 3
4276. 4
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4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 1
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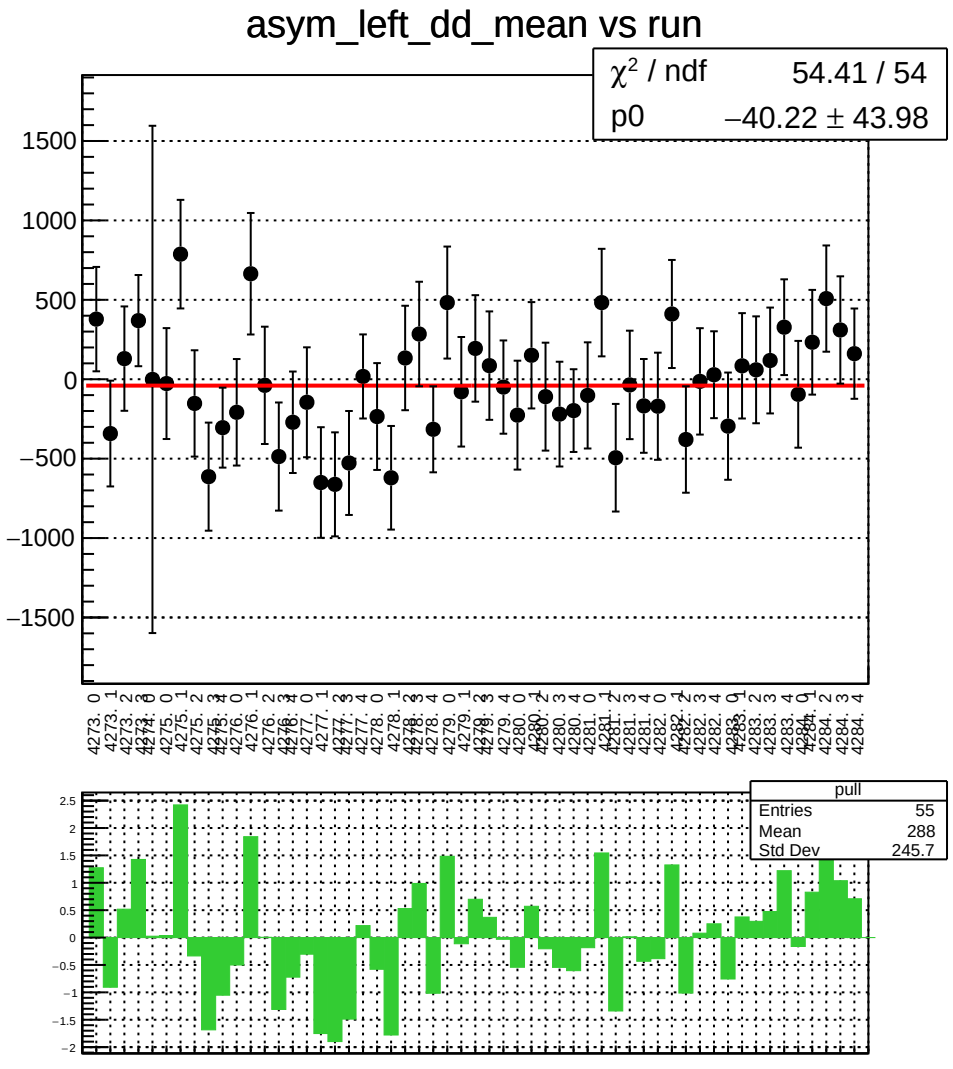
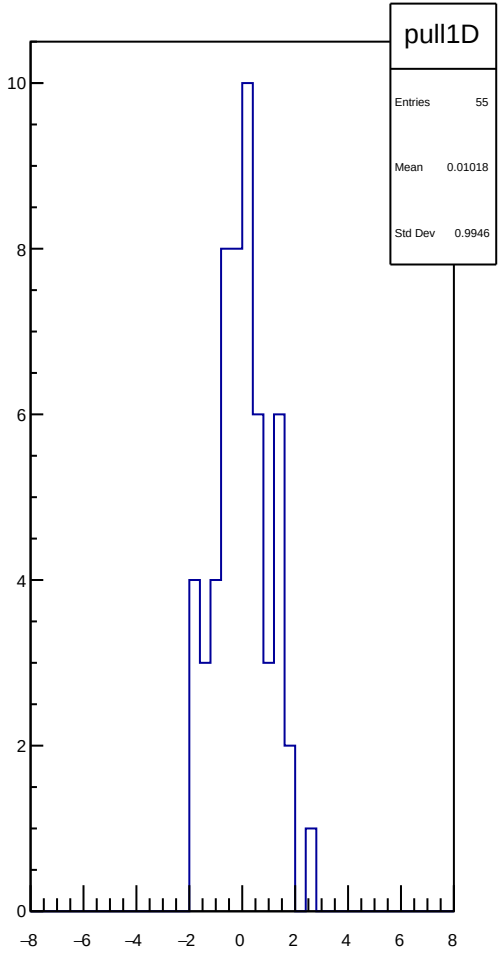
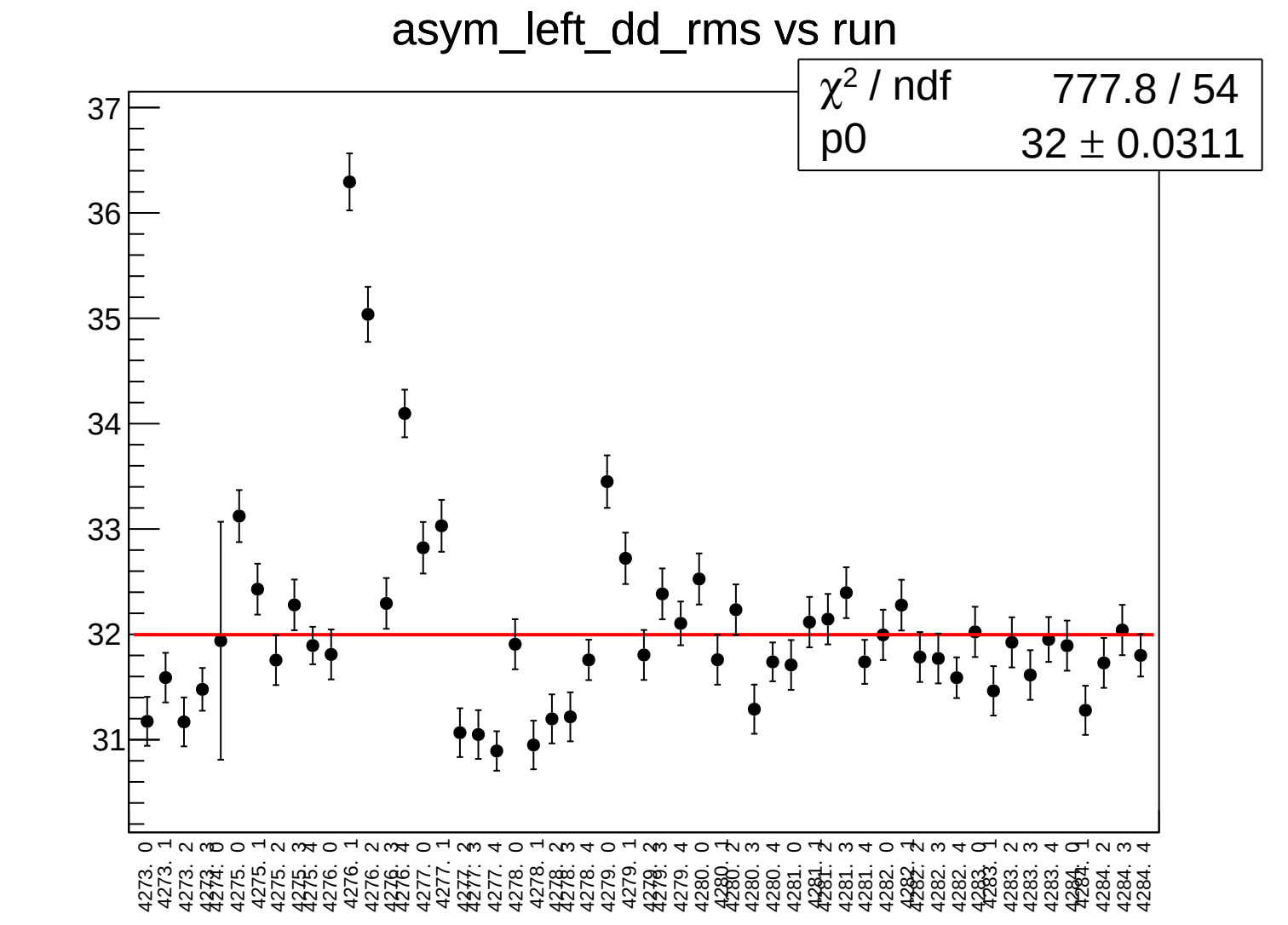

asym_left_dd_mean vs run
χ² / ndf 54.41 / 54
p0 −40.22 ± 43.98
pull
Entries 55
Mean 288
Std Dev 245.7


pull1D
Entries 55
Mean 0.01018
Std Dev 0.9946


asym_left_dd_rms vs run
χ² / ndf 777.8 / 54
p0 32 ± 0.0311
37
36
35
34
33
32
31
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4277. 0
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4277. 2
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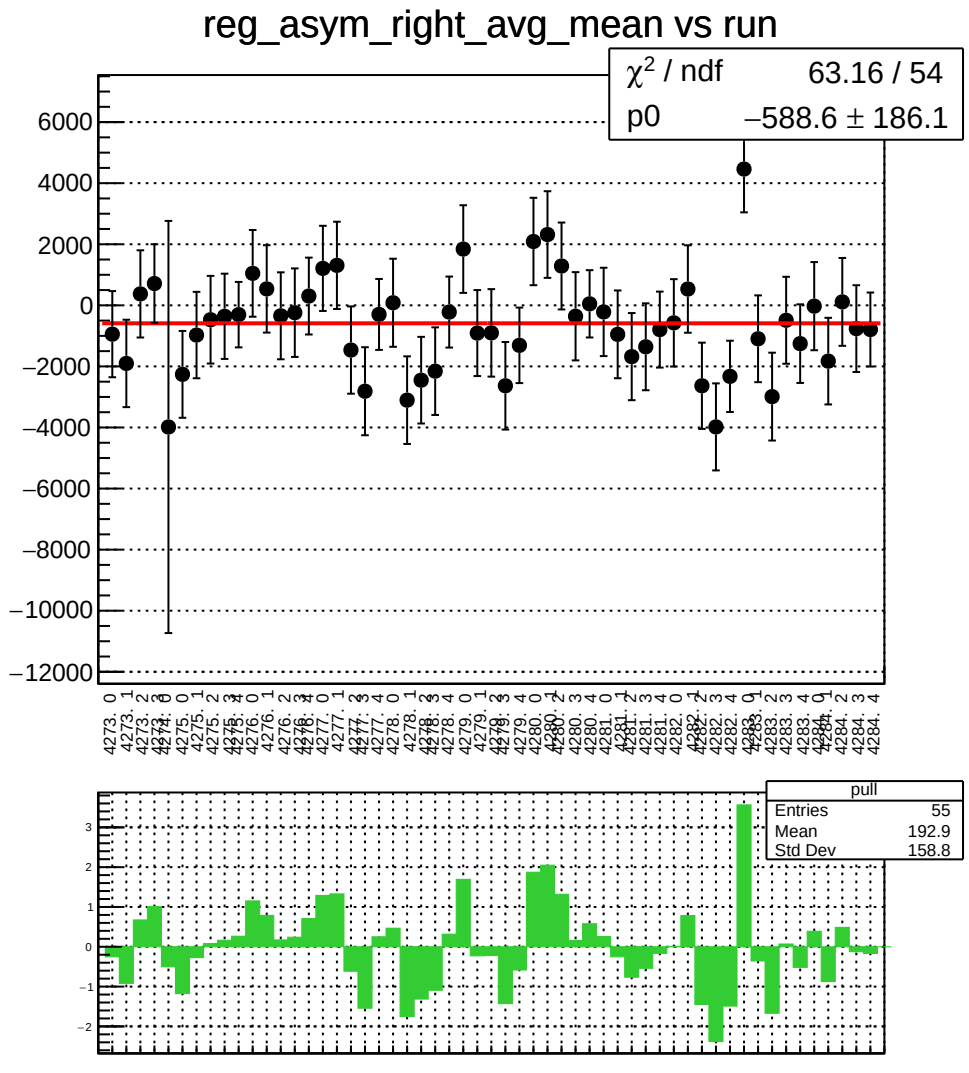
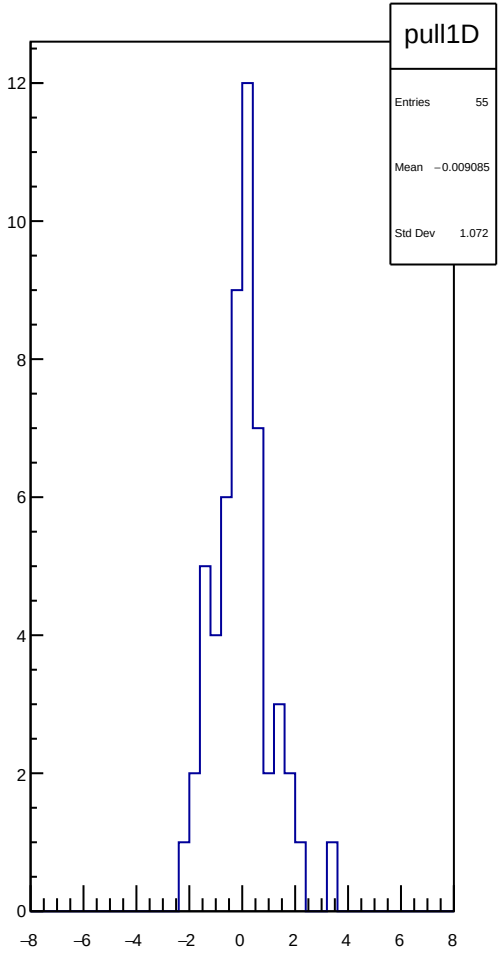
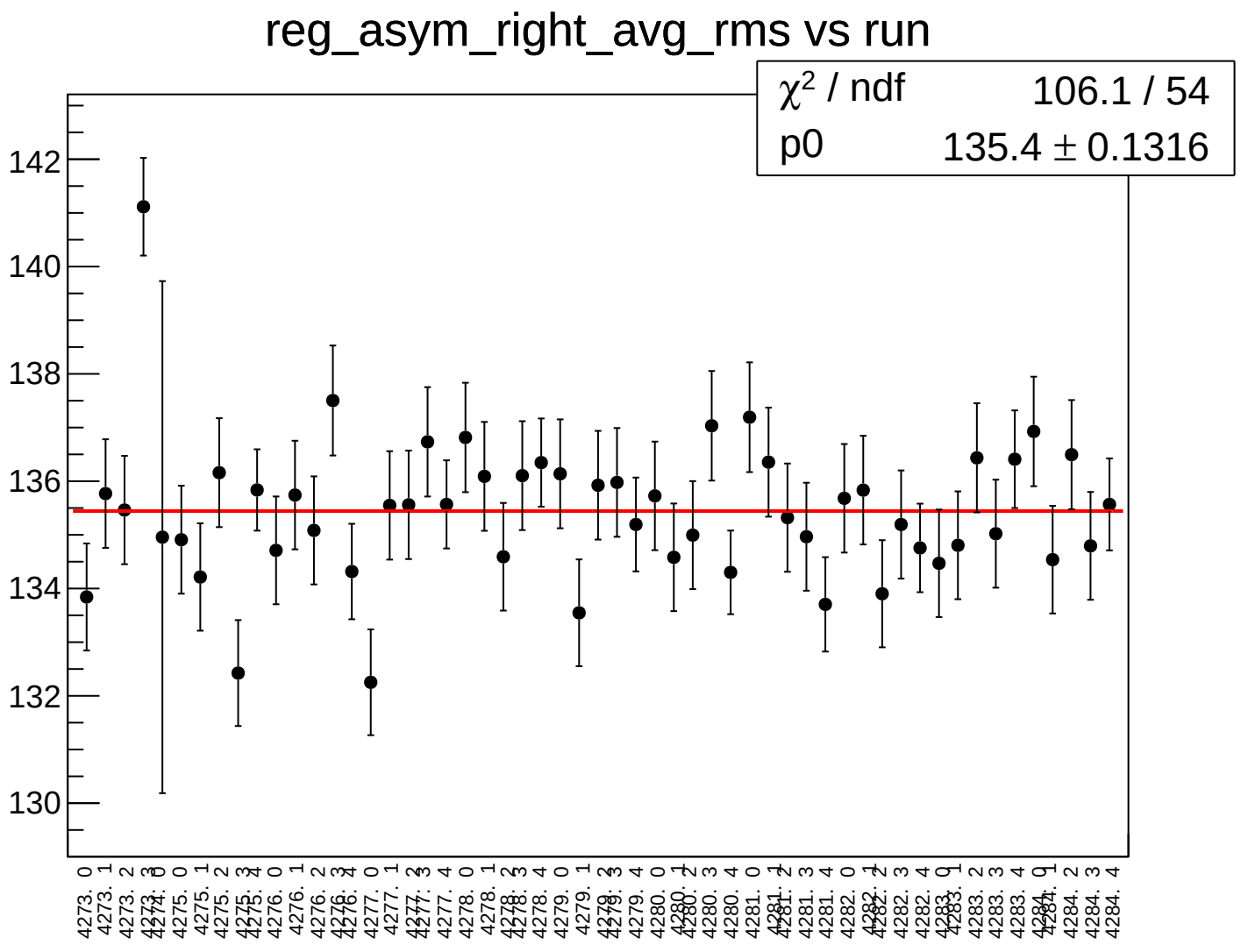
4284. 3
4284. 4


reg_asym_right_avg_mean vs run
χ² / ndf 63.16 / 54
p0 −588.6 ± 186.1
pull
Entries 55
Mean 192.9
Std Dev 158.8


pull1D
Entries 55
Mean −0.009085
Std Dev 1.072


reg_asym_right_avg_rms vs run
χ^2 / ndf 106.1 / 54
p0 135.4 ± 0.1316
142
140
138
136
134
132
130
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
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4277. 4
4278. 0
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4278. 4
4279. 0
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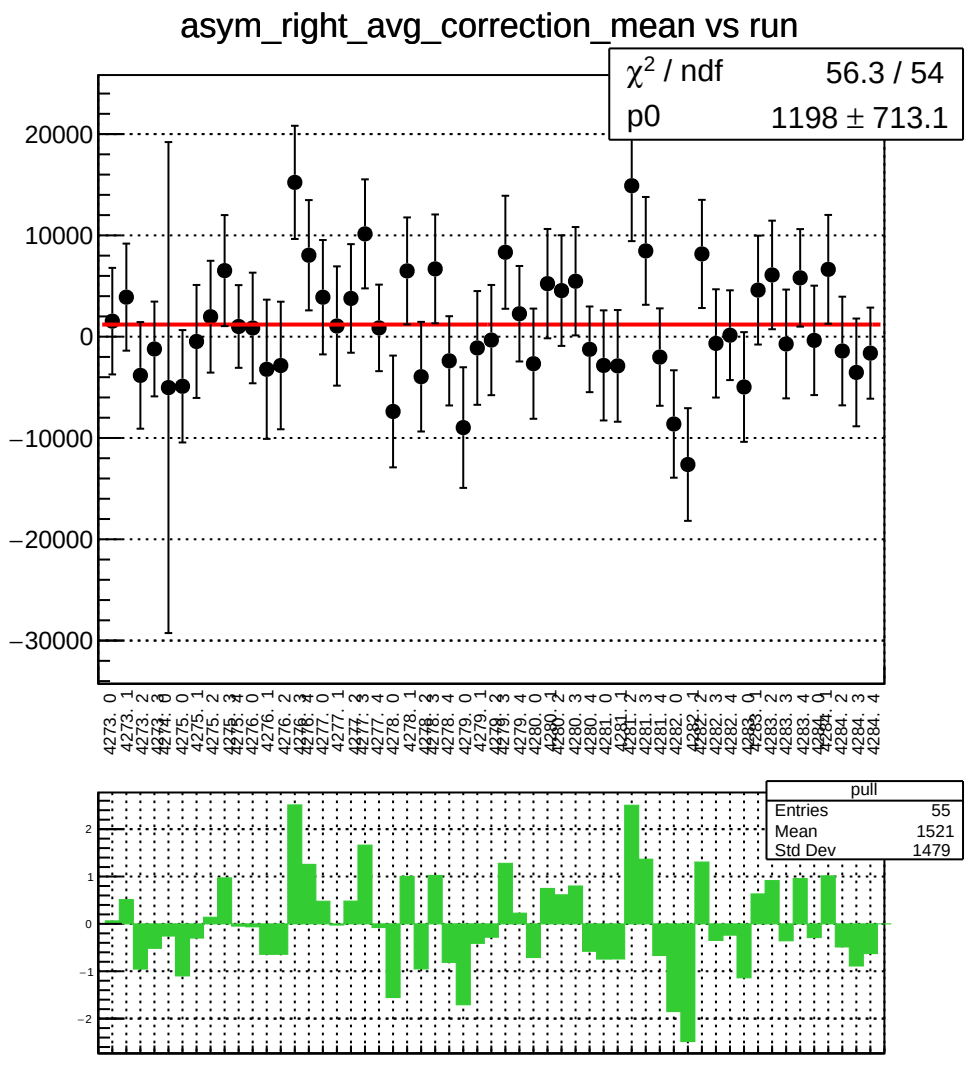
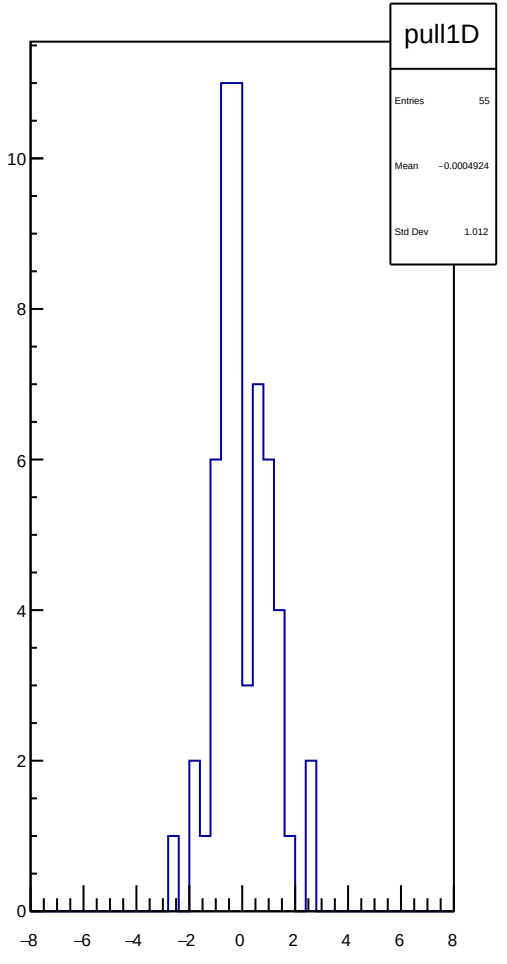
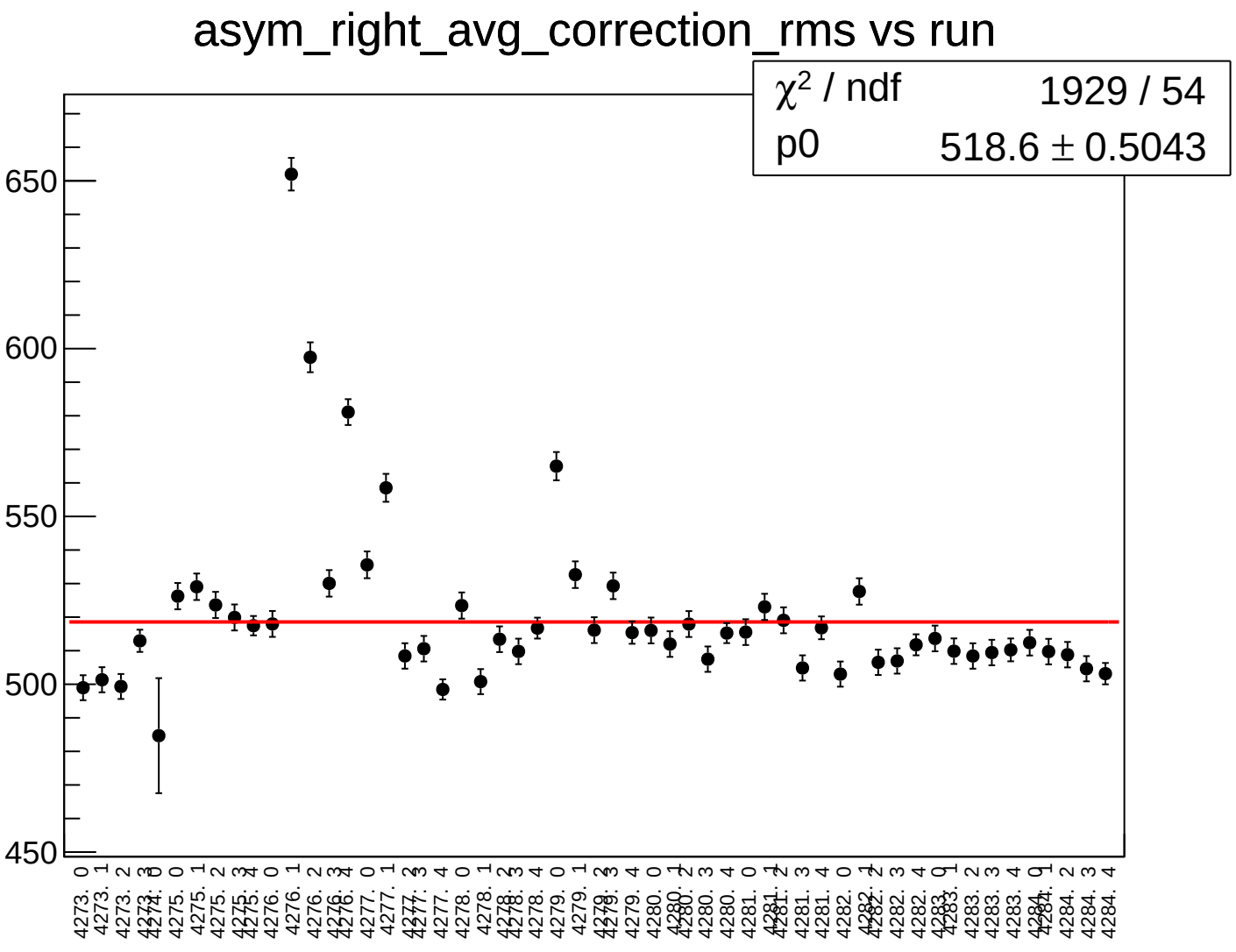
4284. 3
4284. 4


asym_right_avg_correction_mean vs run
χ² / ndf 56.3 / 54
p0 1198 ± 713.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 55
Mean 1521
Std Dev 1479
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.0004924
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_right_avg_correction_rms vs run
χ² / ndf 1929 / 54
p0 518.6 ± 0.5043
650
600
550
500
450
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
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4279. 0
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4279. 2
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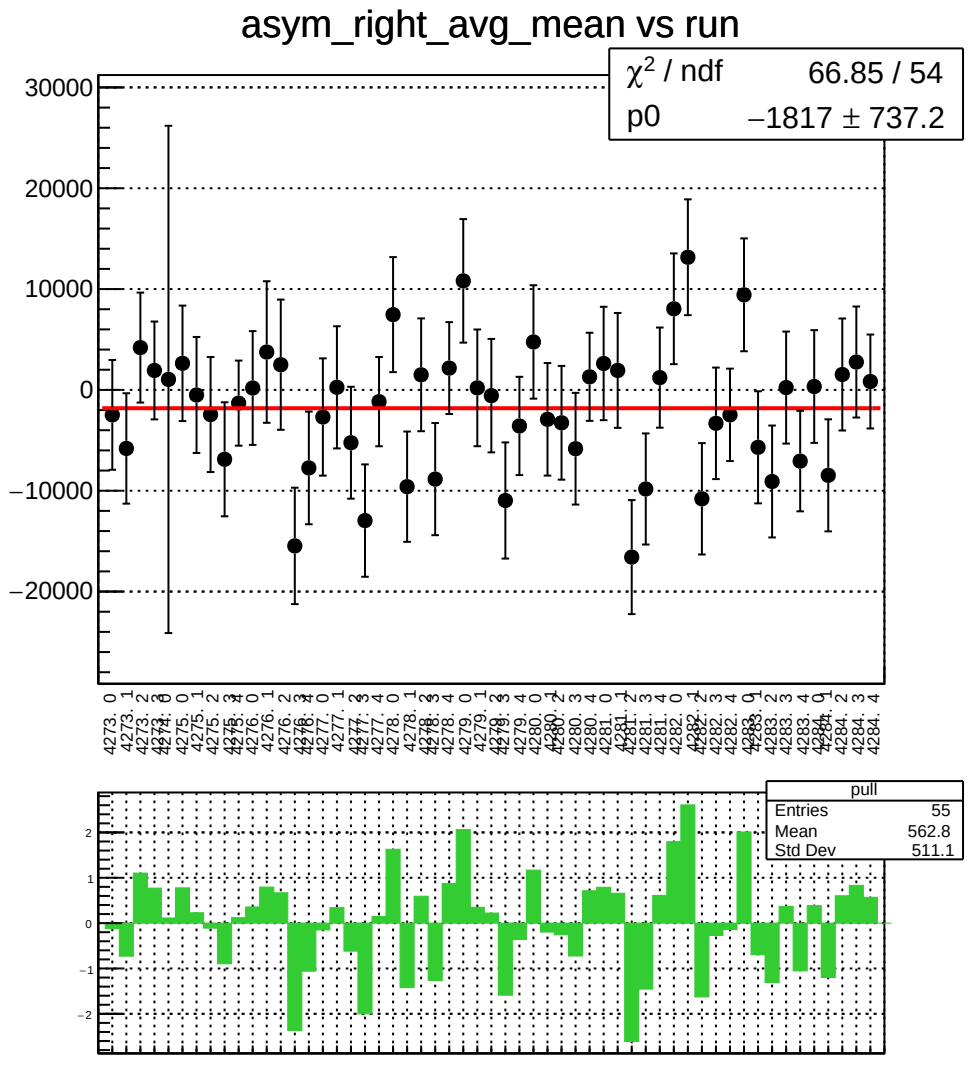
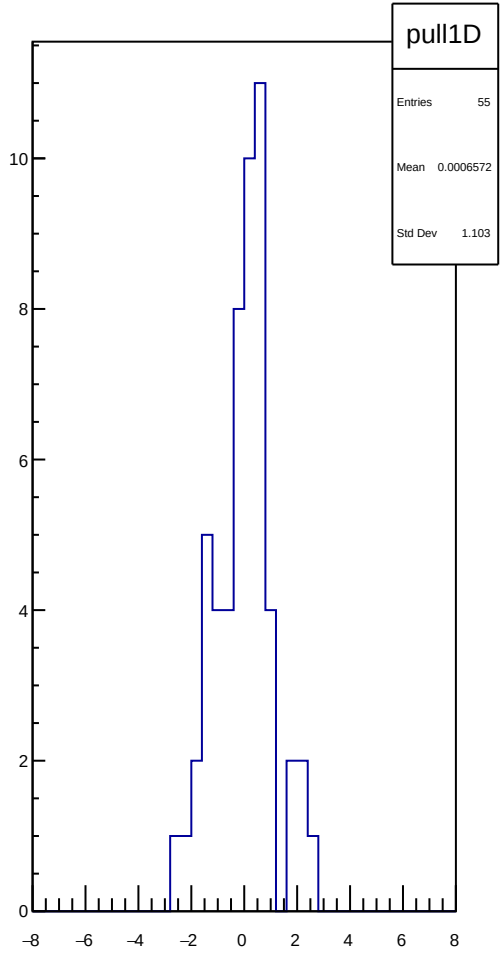
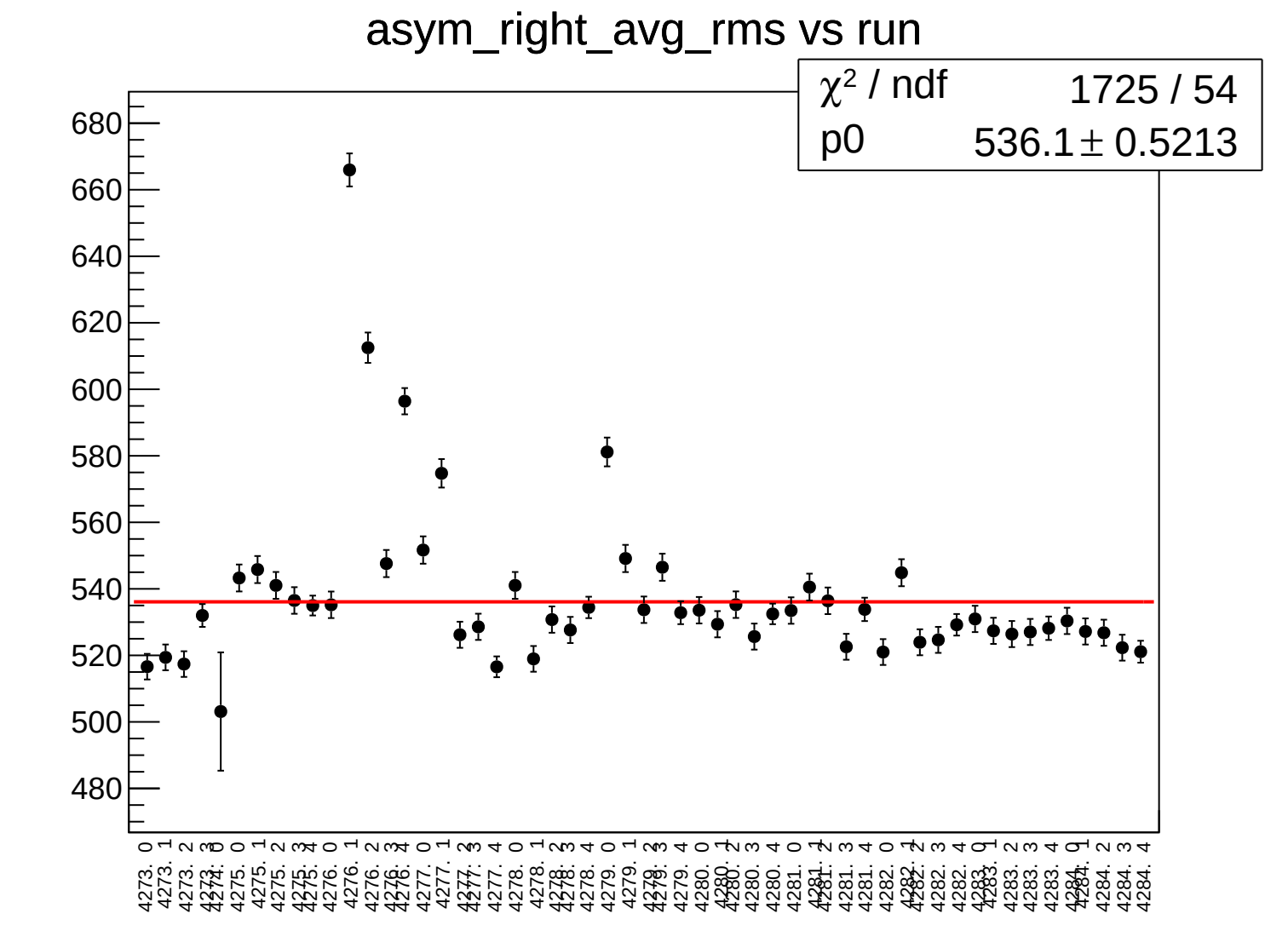
4284. 3
4284. 4


asym_right_avg_mean vs run
χ^2 / ndf 66.85 / 54
p0 −1817 ± 737.2
30000
20000
10000
0
−10000
−20000
pull
Entries 55
Mean 562.8
Std Dev 511.1
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.0006572
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_right_avg_rms vs run
χ² / ndf 1725 / 54
p0 536.1 ± 0.5213
680
660
640
620
600
580
560
540
520
500
480
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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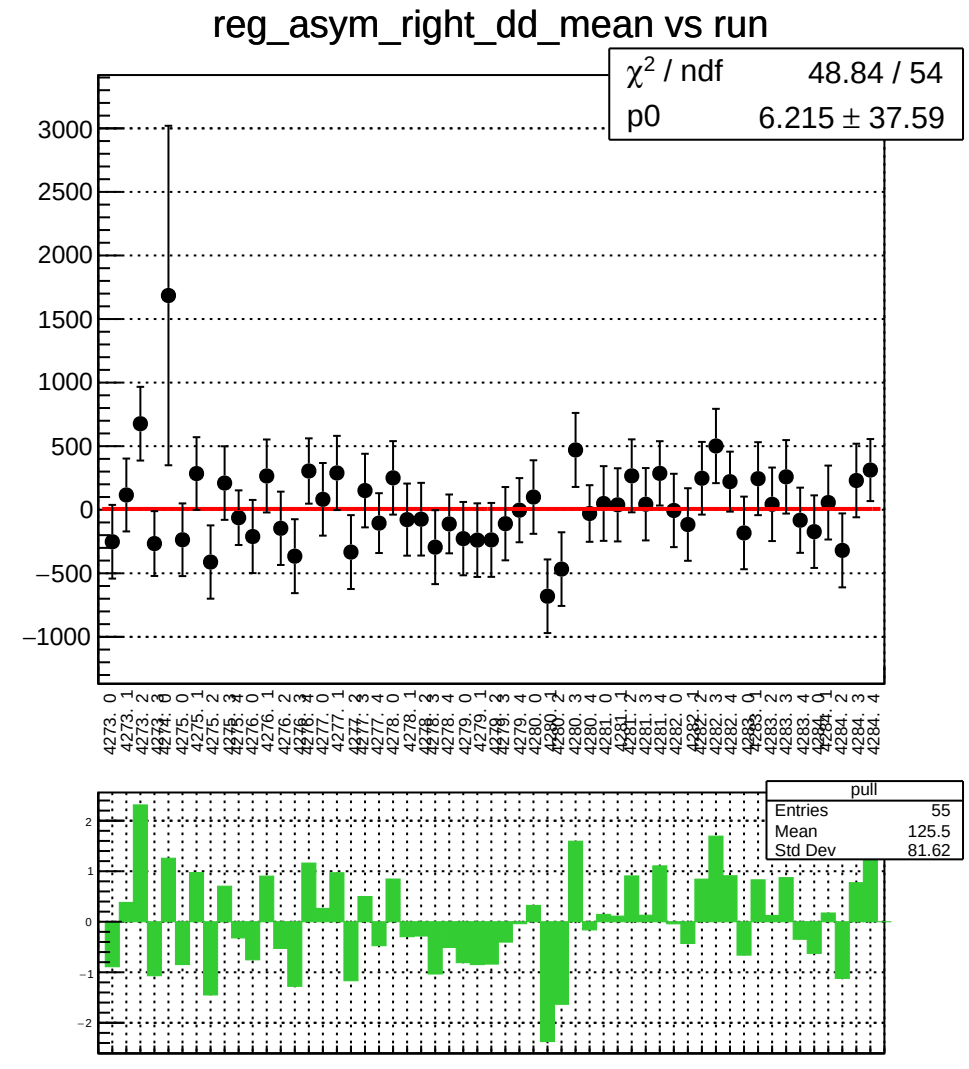
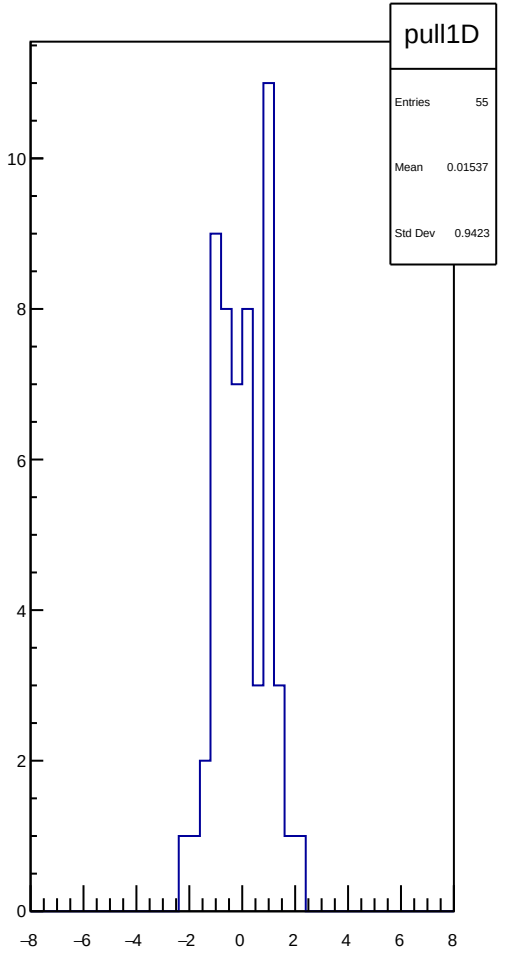
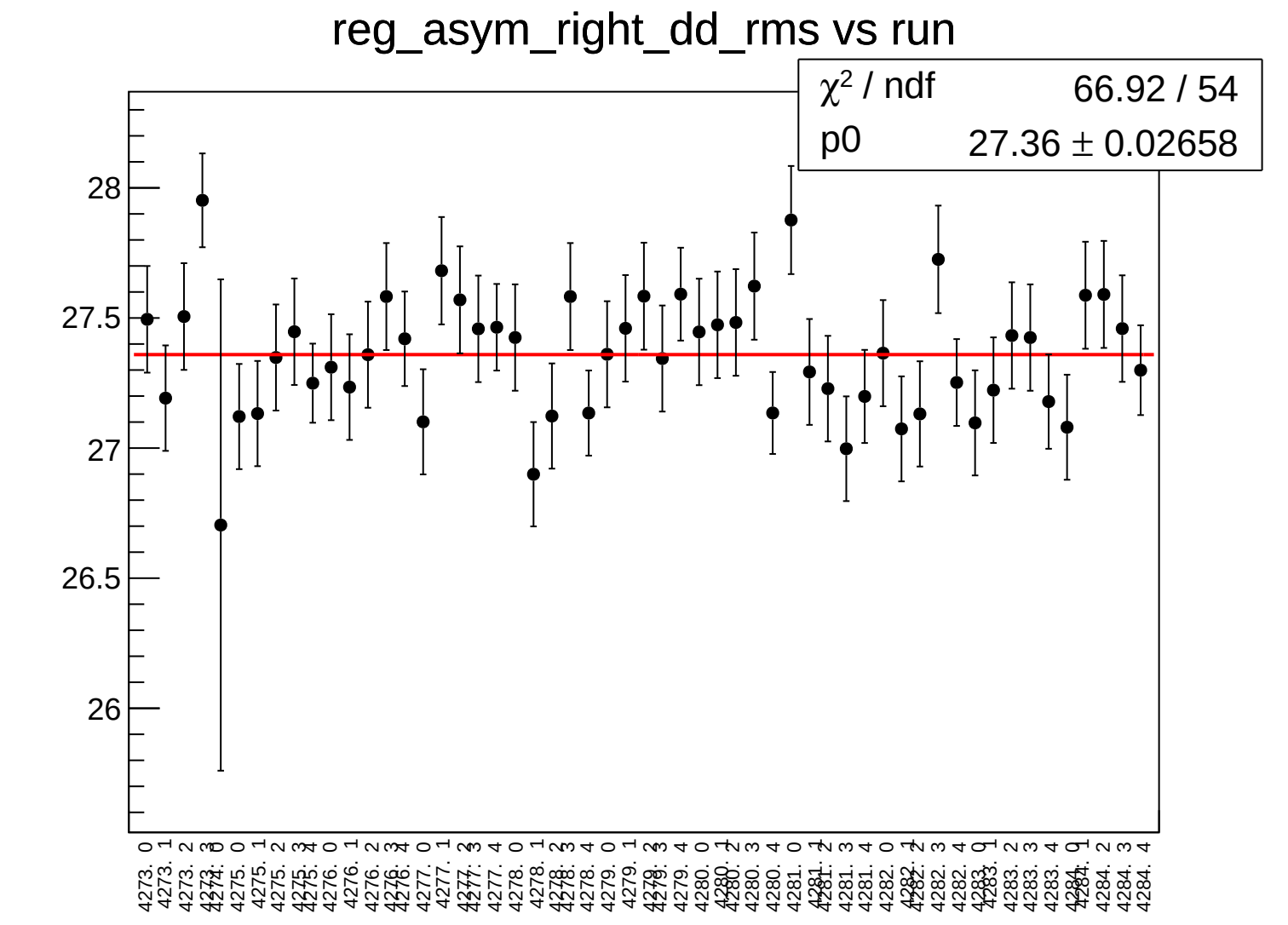
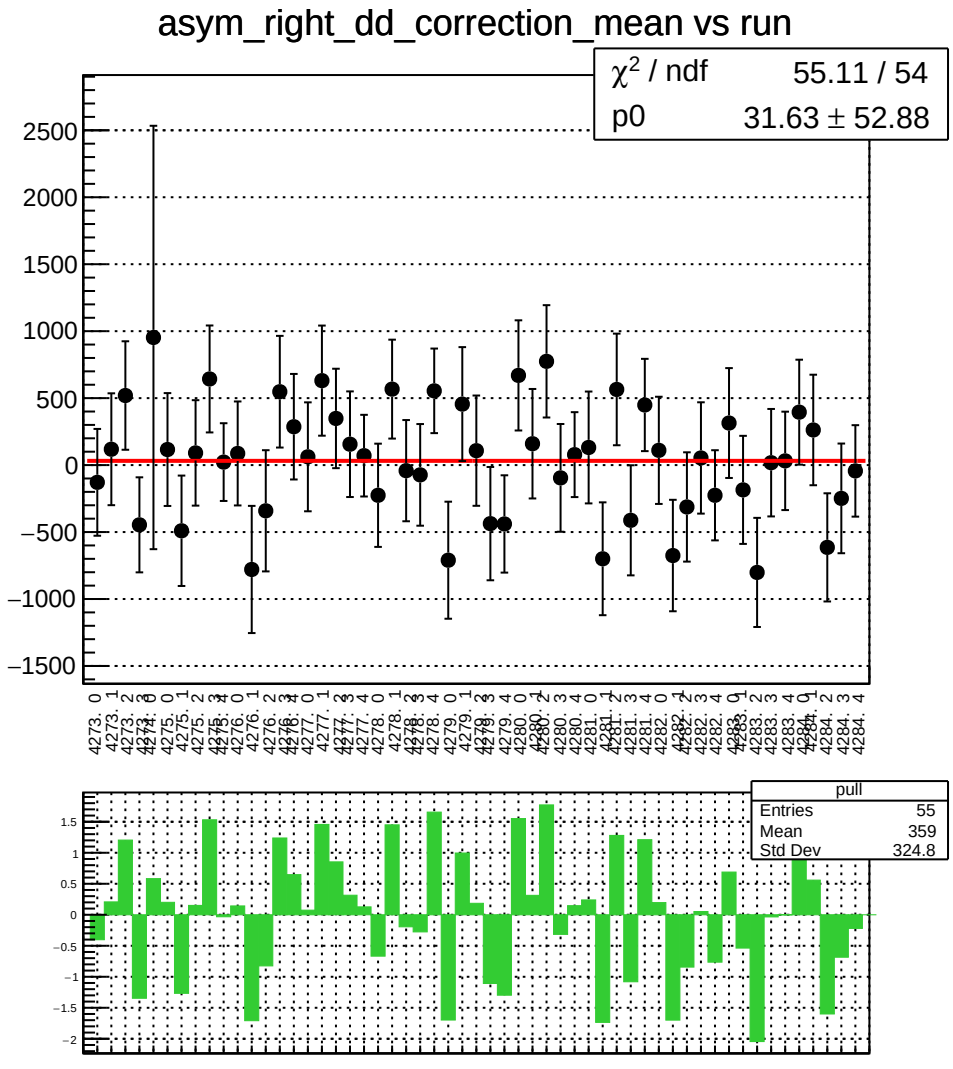
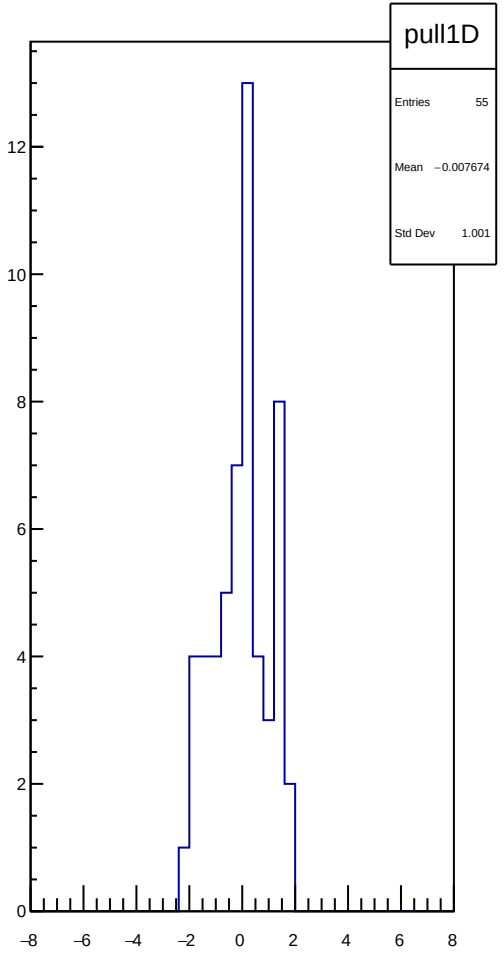
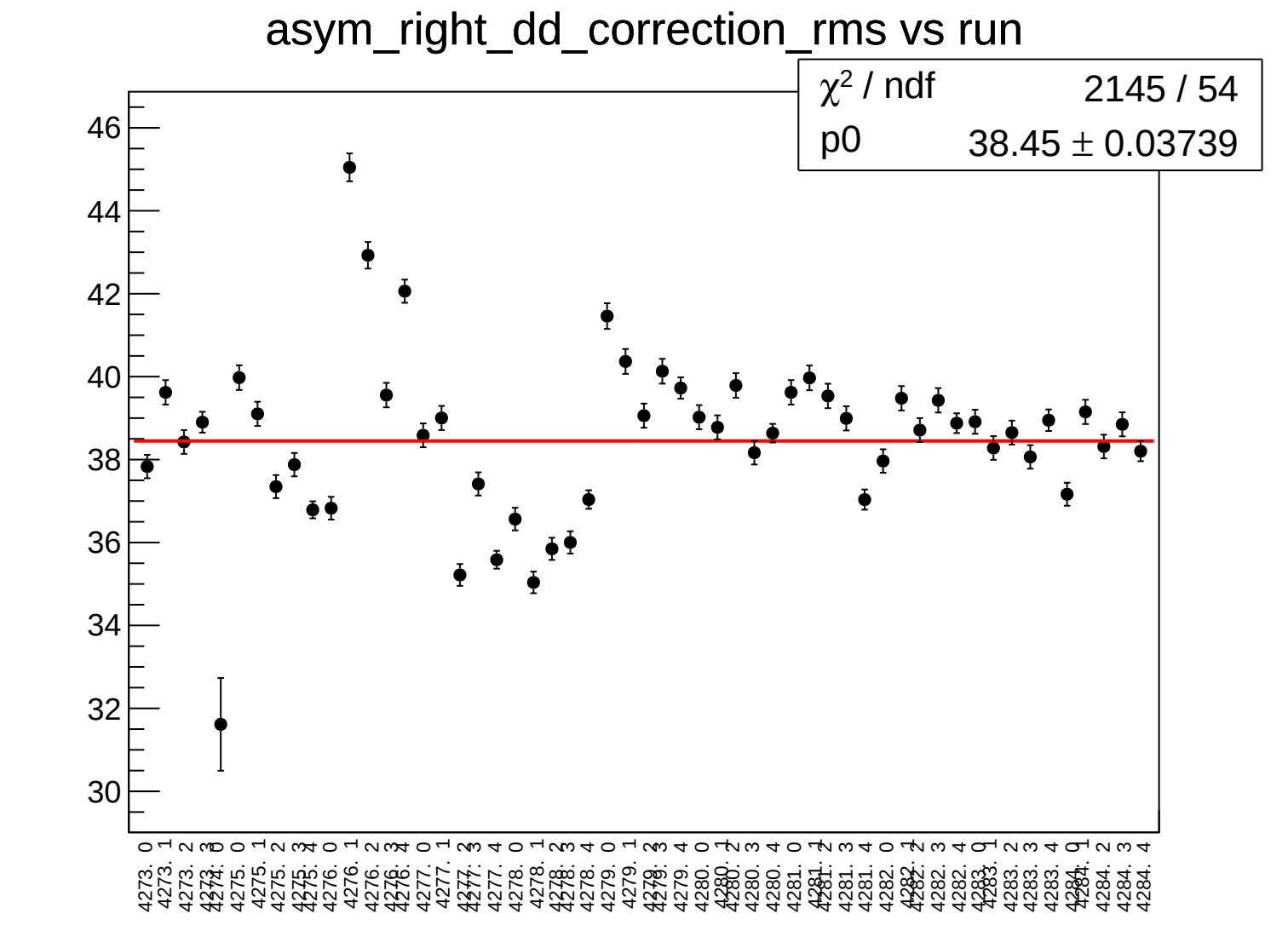

reg_asym_right_dd_mean vs run
χ² / ndf 48.84 / 54
p0 6.215 ± 37.59
pull
Entries 55
Mean 125.5
Std Dev 81.62


pull1D
Entries 55
Mean 0.01537
Std Dev 0.9423


reg_asym_right_dd_rms vs run
χ² / ndf 66.92 / 54
p0 27.36 ± 0.02658
28
27.5
27
26.5
26


asym_right_dd_correction_mean vs run
χ^2 / ndf 55.11 / 54
p0 31.63 ± 52.88
pull
Entries 55
Mean 359
Std Dev 324.8


pull1D
Entries 55
Mean −0.007674
Std Dev 1.001


asym_right_dd_correction_rms vs run
χ² / ndf 2145 / 54
p0 38.45 ± 0.03739
46
44
42
40
38
36
34
32
30
4273. 0
4273. 1
4273. 2
4273. 3
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4275. 0
4275. 1
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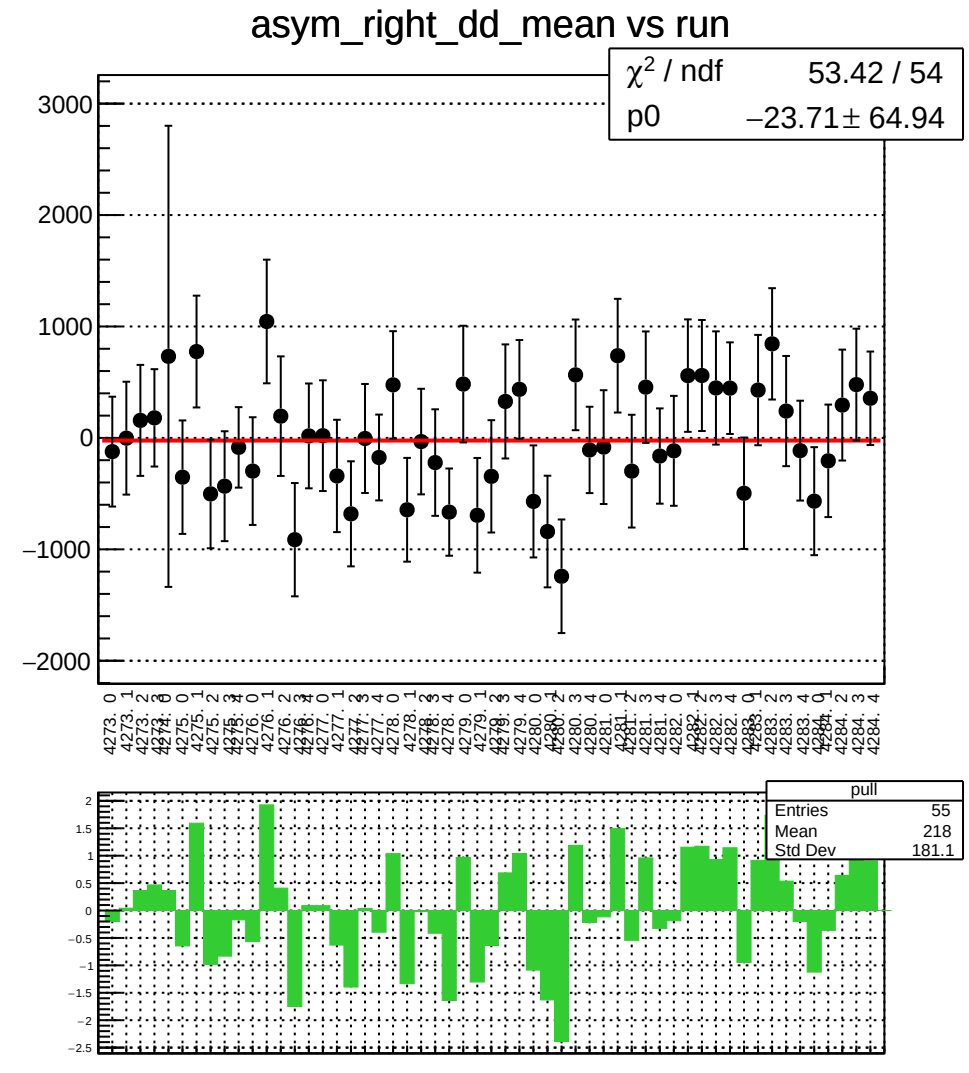
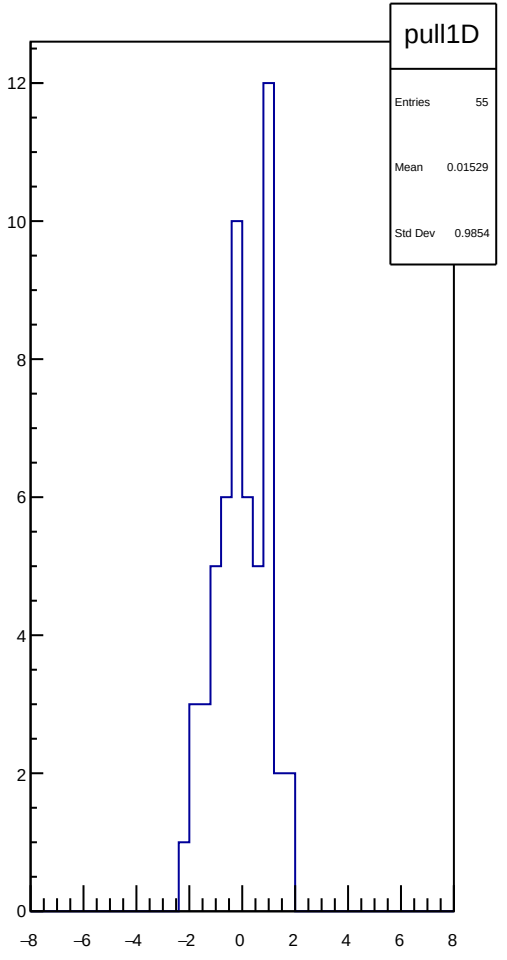
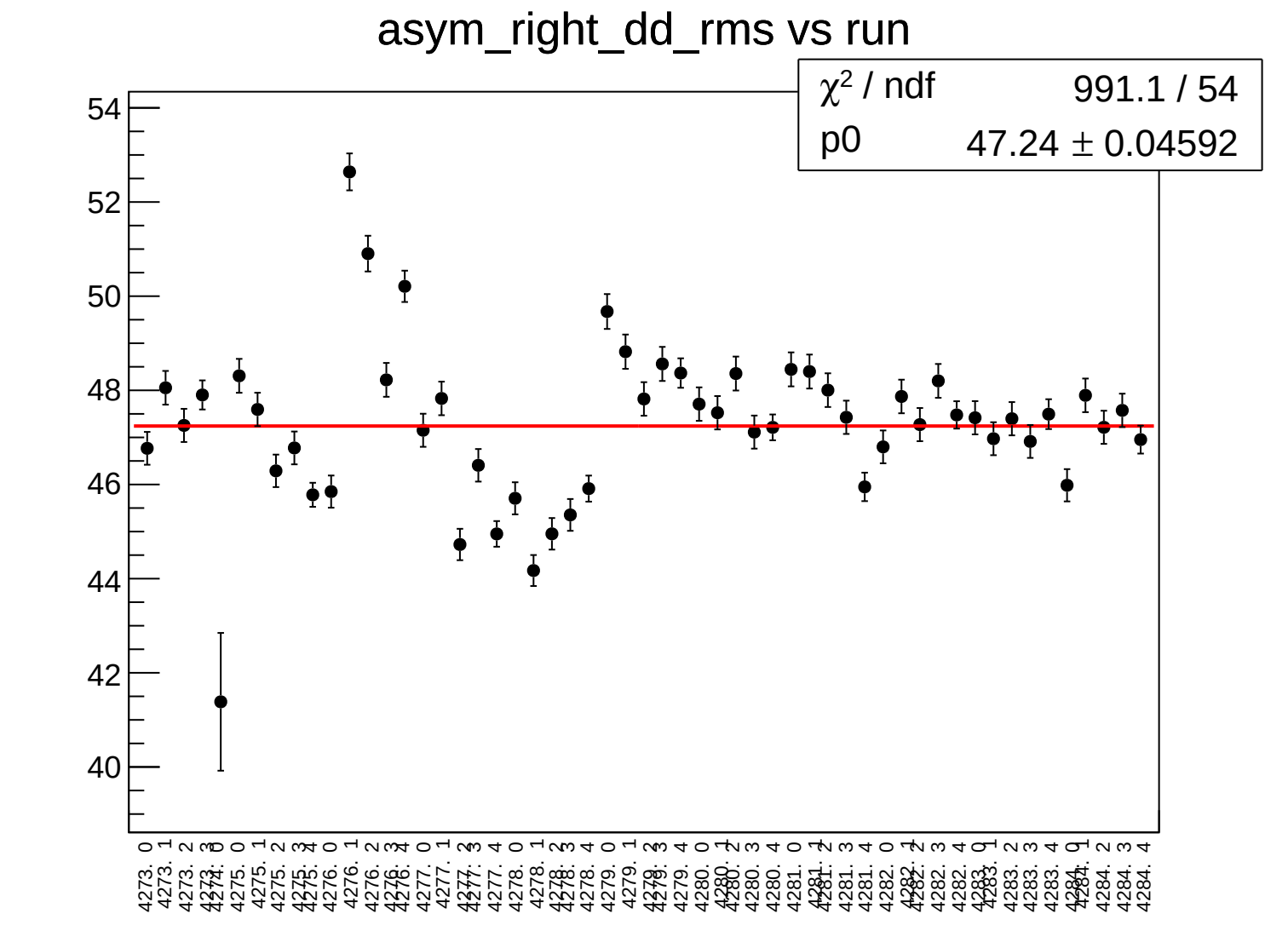

asym_right_dd_mean vs run
χ² / ndf 53.42 / 54
p0 −23.71 ± 64.94
pull
Entries 55
Mean 218
Std Dev 181.1


pull1D
Entries 55
Mean 0.01529
Std Dev 0.9854


asym_right_dd_rms vs run
χ² / ndf 991.1 / 54
p0 47.24 ± 0.04592
54
52
50
48
46
44
42
40
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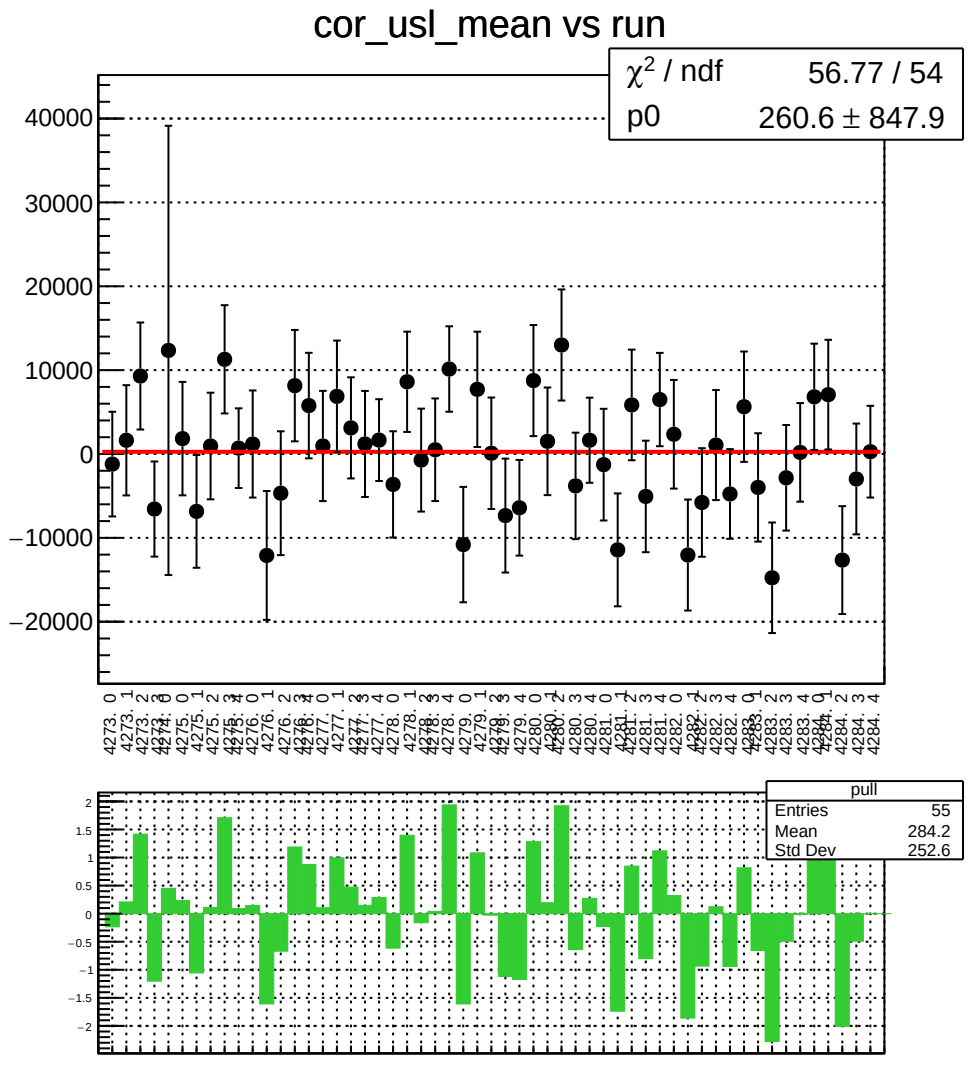
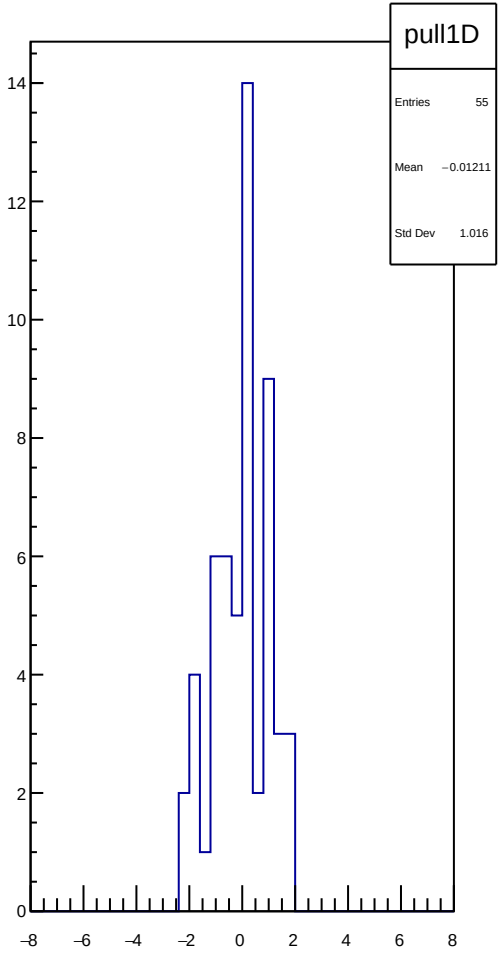
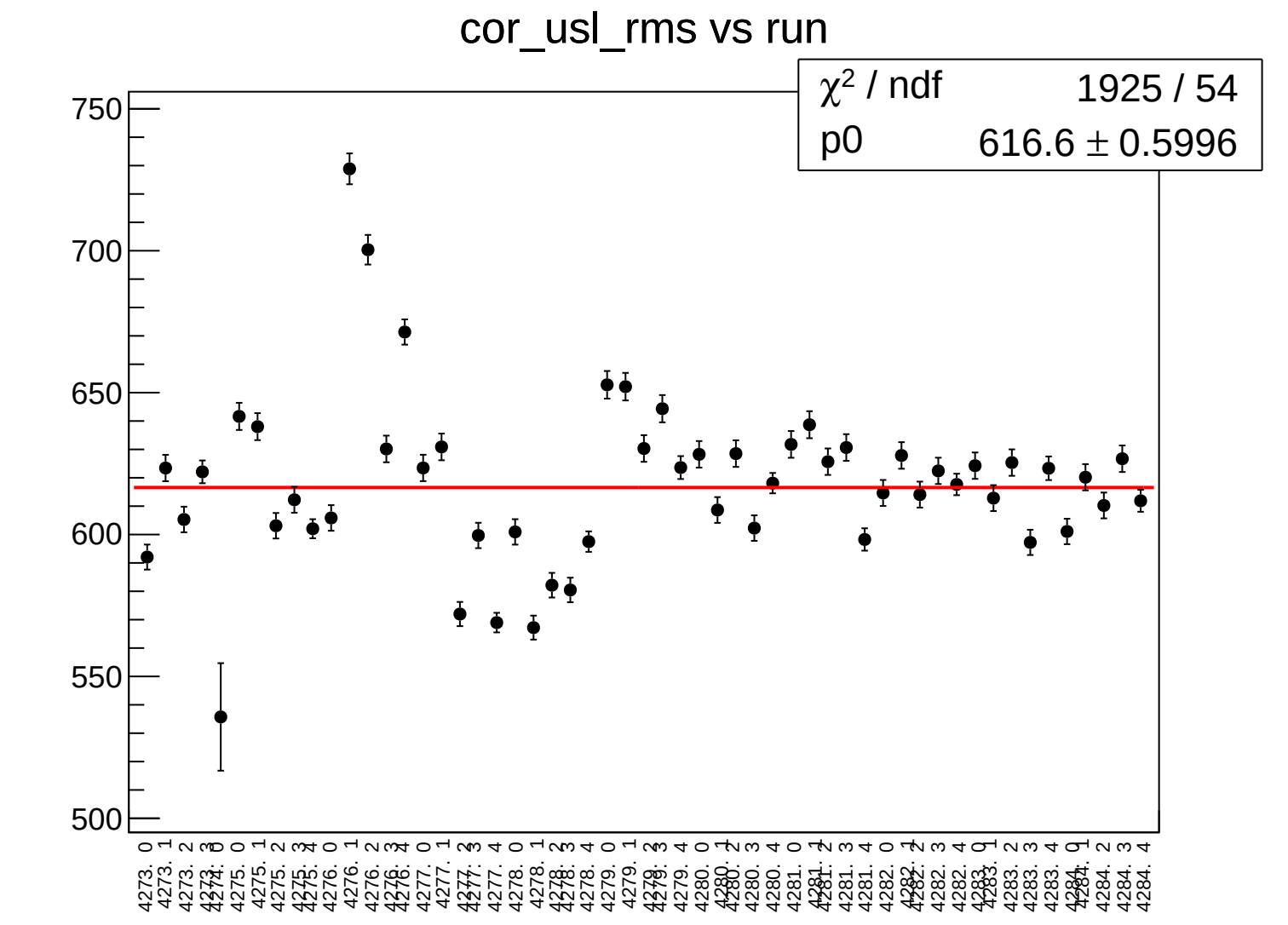
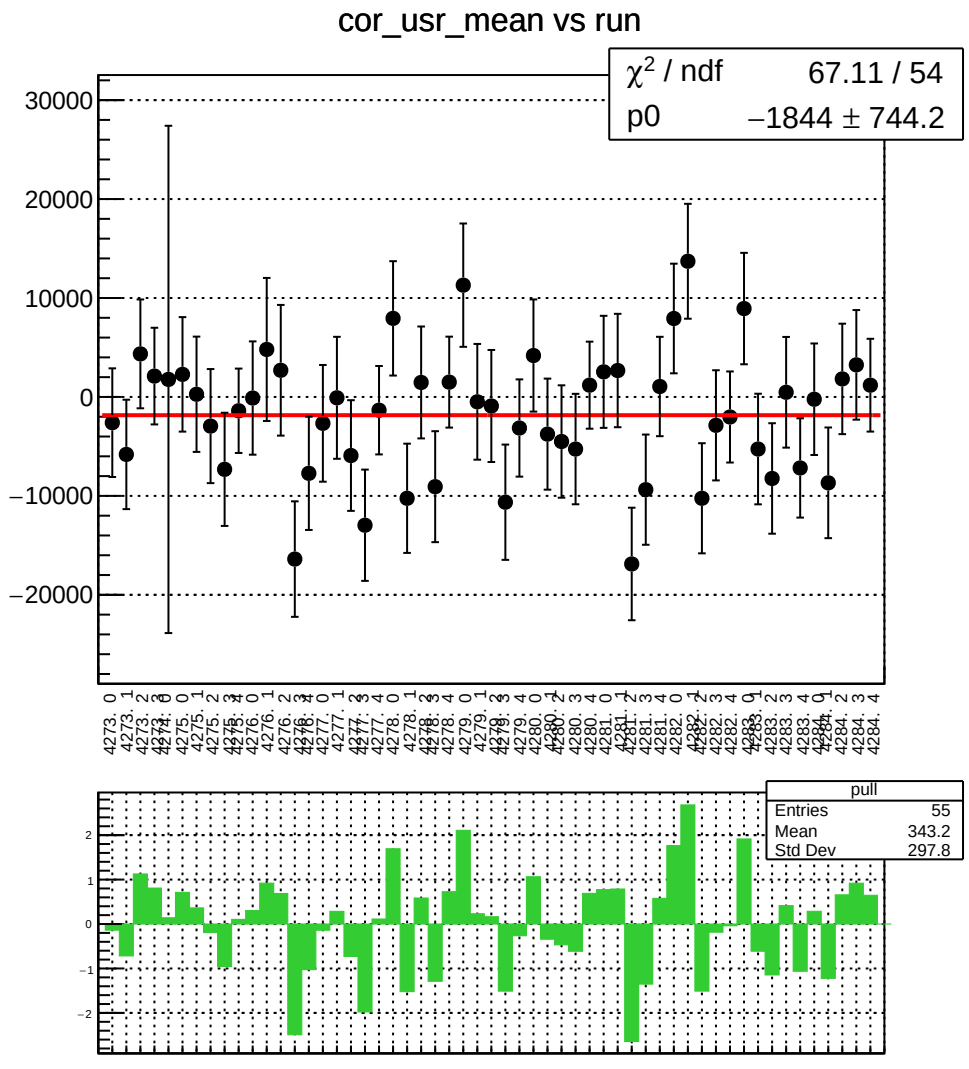
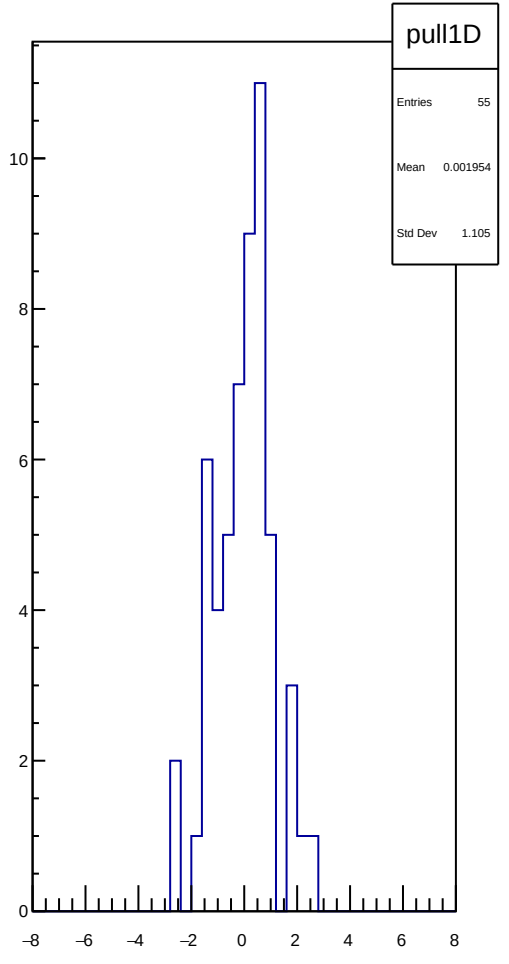
4284. 4

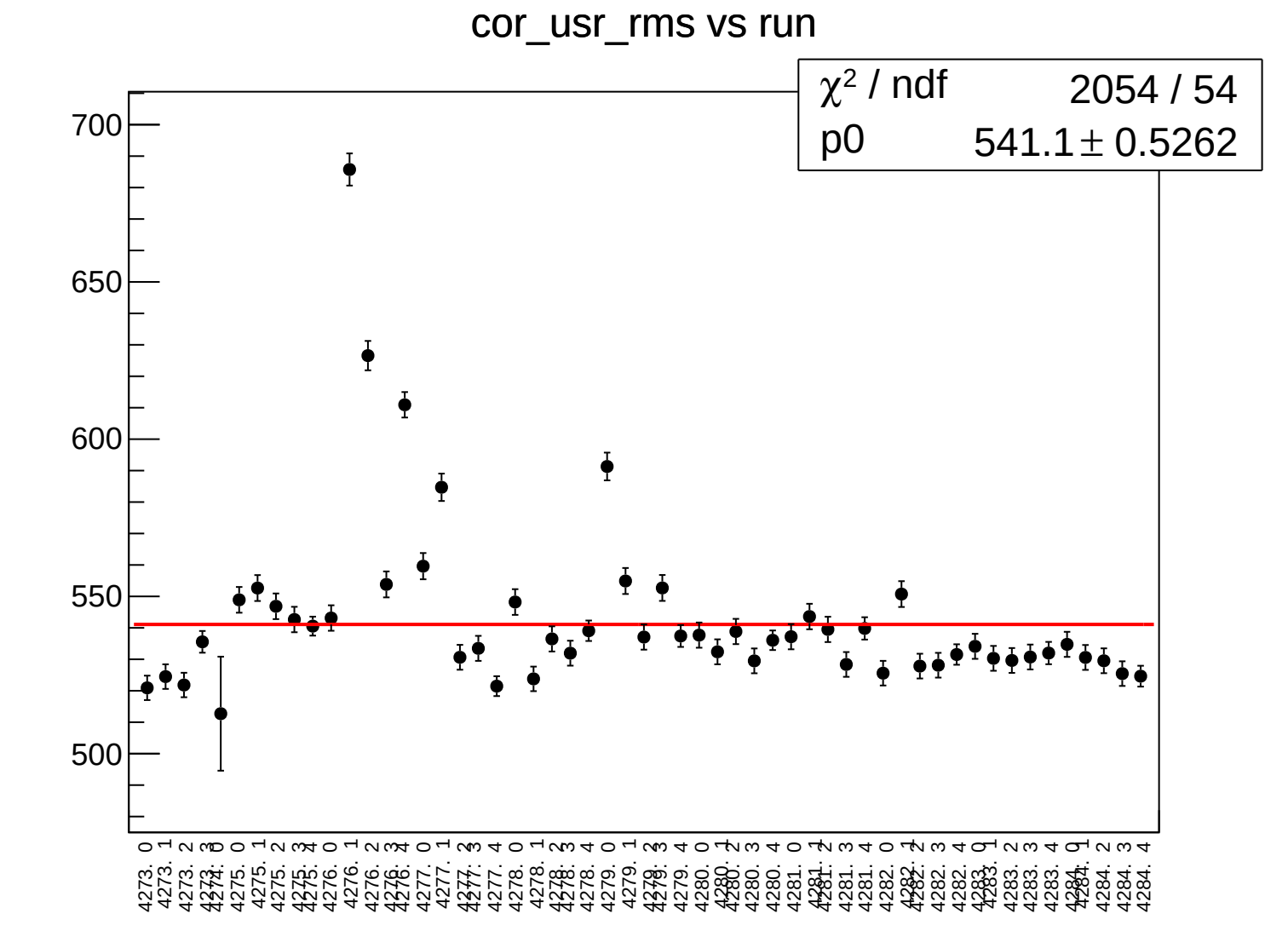

cor_usl_mean vs run
χ² / ndf 56.77 / 54
p0 260.6 ± 847.9
pull
Entries 55
Mean 284.2
Std Dev 252.6

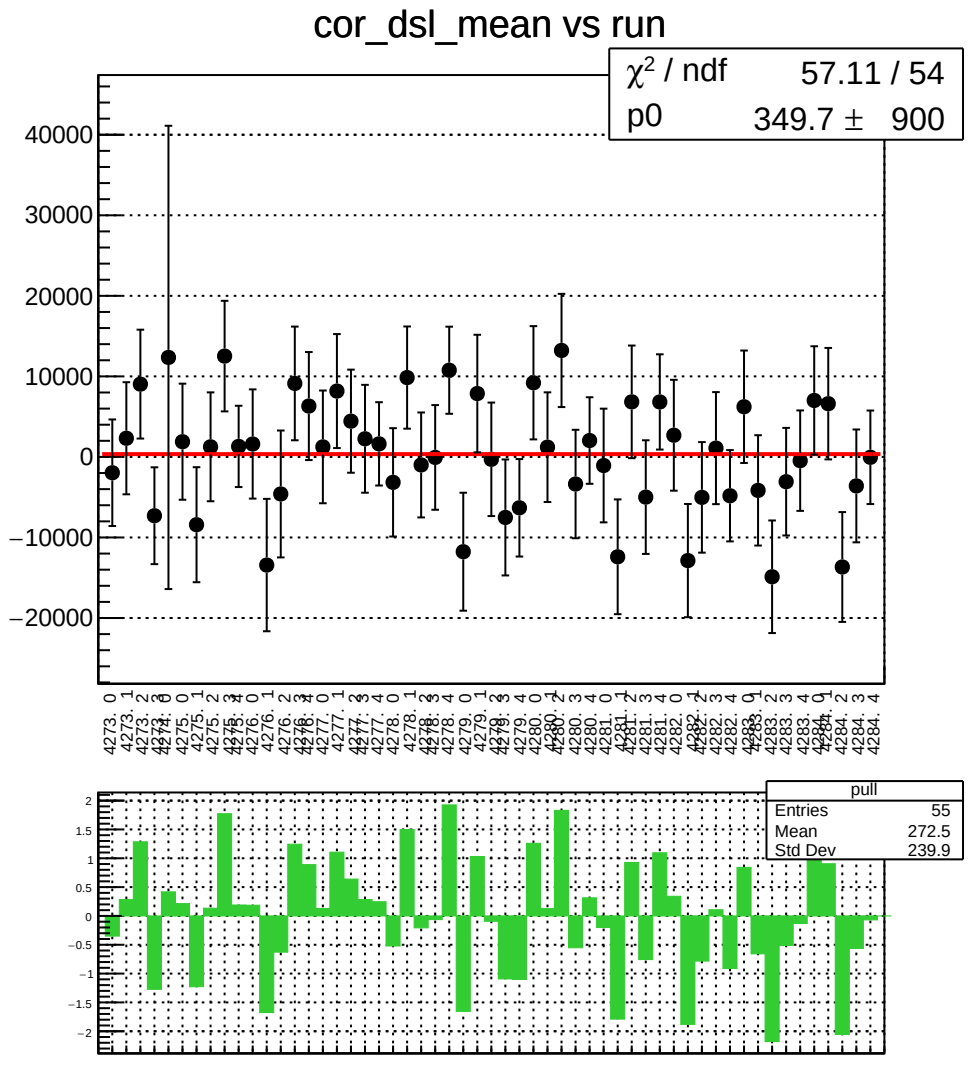

pull1D
Entries 55
Mean −0.01211
Std Dev 1.016

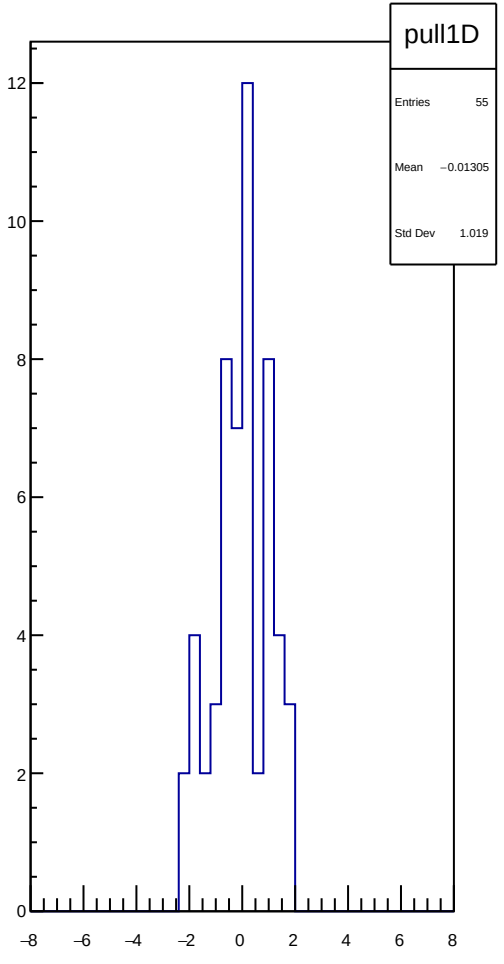

cor_usl_rms vs run
χ² / ndf 1925 / 54
p0 616.6 ± 0.5996
750
700
650
600
550
500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

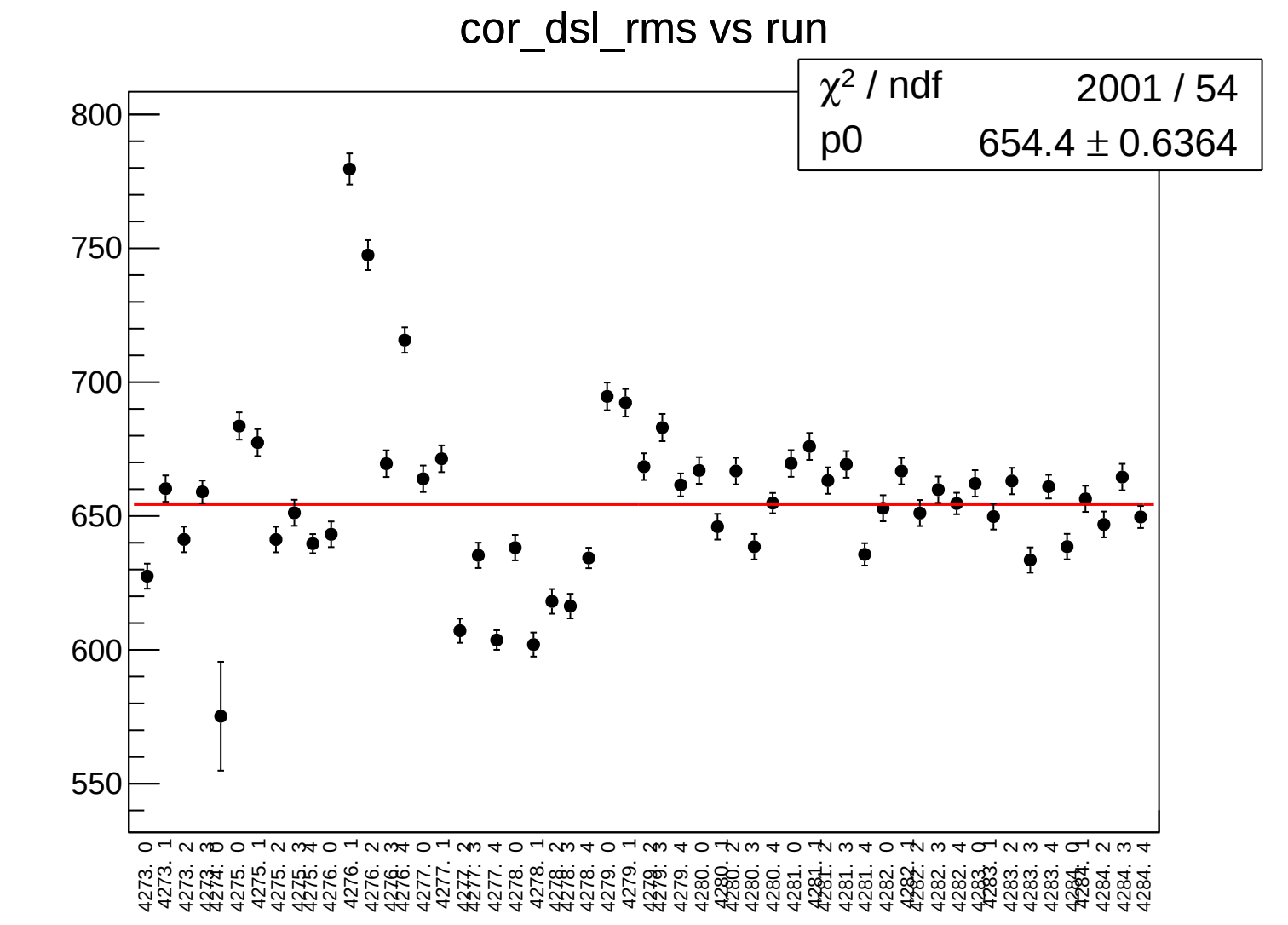

cor_usr_mean vs run
χ² / ndf 67.11 / 54
p0 −1844 ± 744.2
30000
20000
10000
0
−10000
−20000
pull
Entries 55
Mean 343.2
Std Dev 297.8
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.001954
Std Dev 1.105
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_usr_rms vs run
χ² / ndf 2054 / 54
p0 541.1 ± 0.5262
700
650
600
550
500
4273. 0
4273. 1
4273. 2
4273. 3
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


cor_dsl_mean vs run
χ^2 / ndf 57.11 / 54
p0 349.7 ± 900
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 55
Mean 272.5
Std Dev 239.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.01305
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_dsl_rms vs run
χ² / ndf 2001 / 54
p0 654.4 ± 0.6364
800
750
700
650
600
550
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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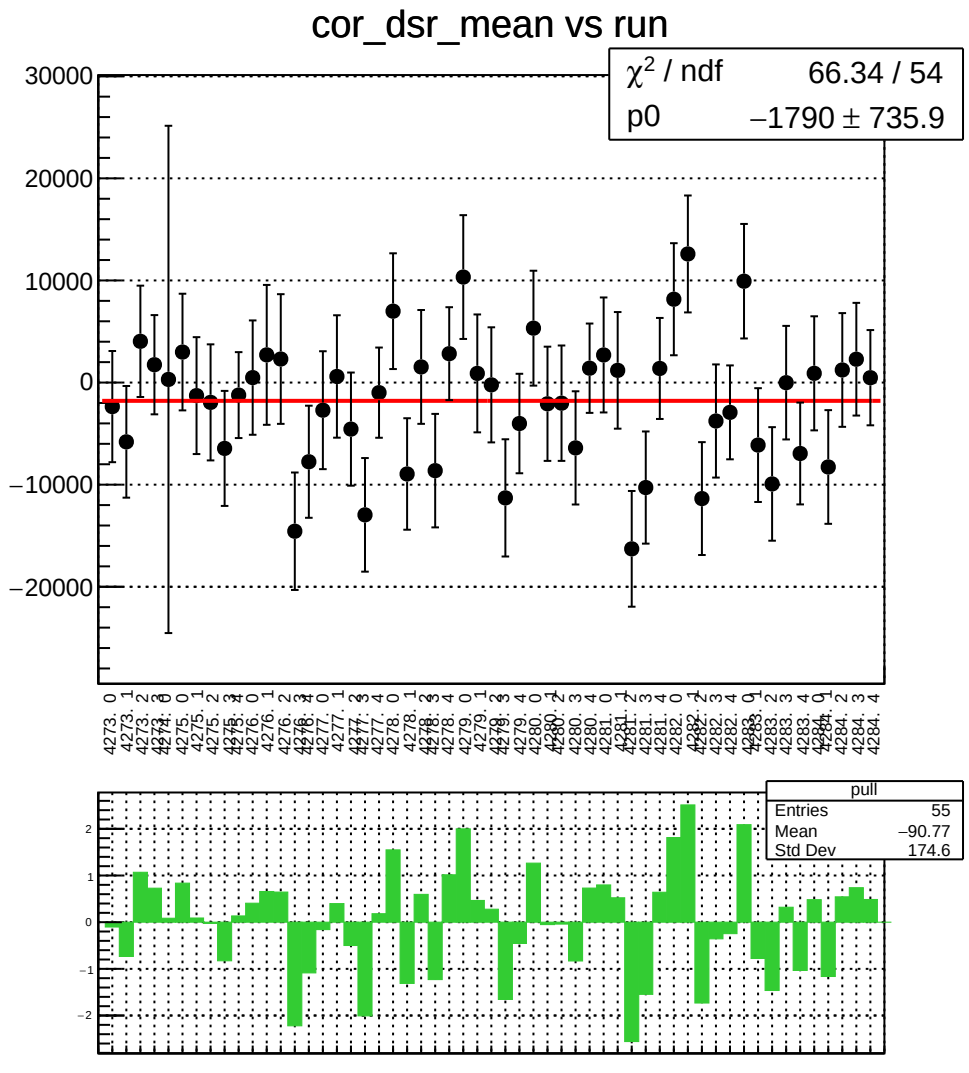
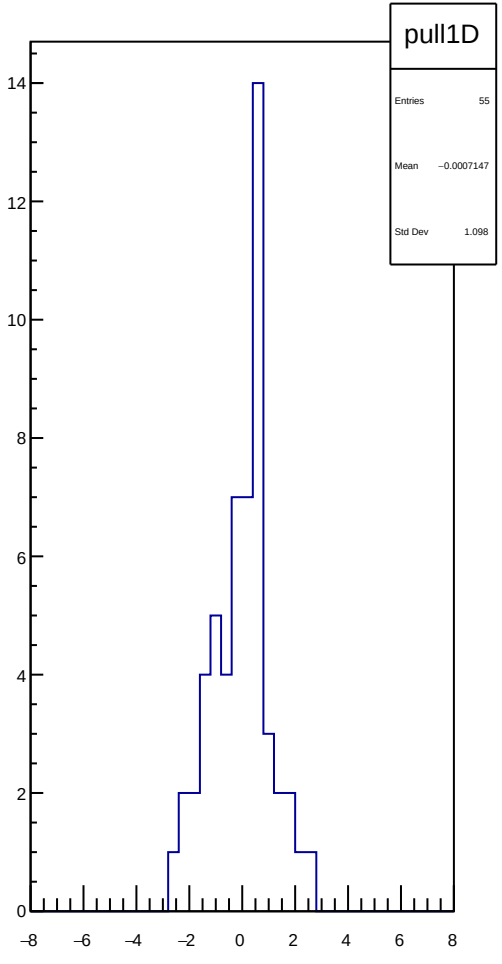
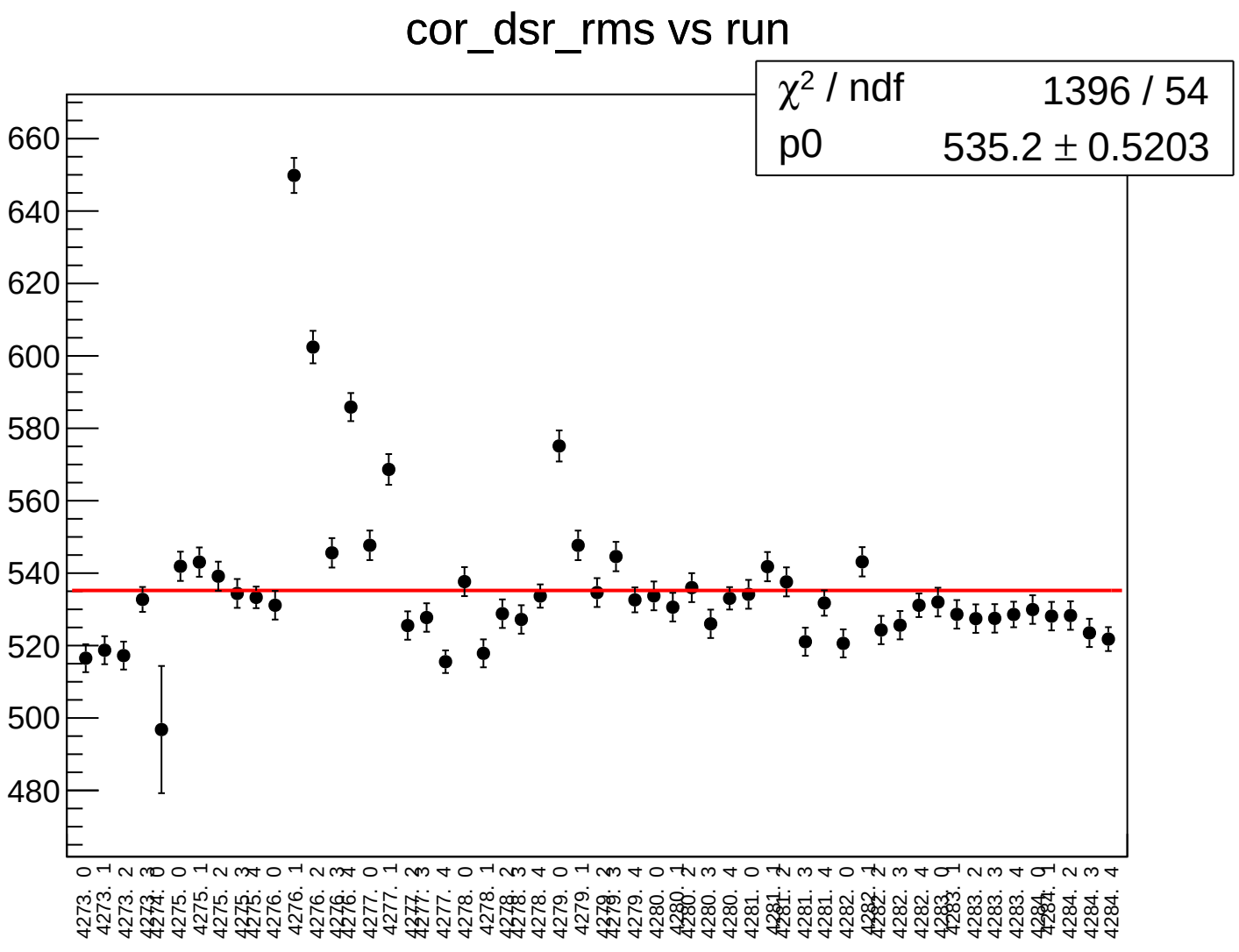
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


cor_dsr_mean vs run
χ^2 / ndf 66.34 / 54
p0 −1790 ± 735.9
30000
20000
10000
0
−10000
−20000
pull
Entries 55
Mean −90.77
Std Dev 174.6
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.0007147
Std Dev 1.098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_dsr_rms vs run
χ² / ndf 1396 / 54
p0 535.2 ± 0.5203
660
640
620
600
580
560
540
520
500
480
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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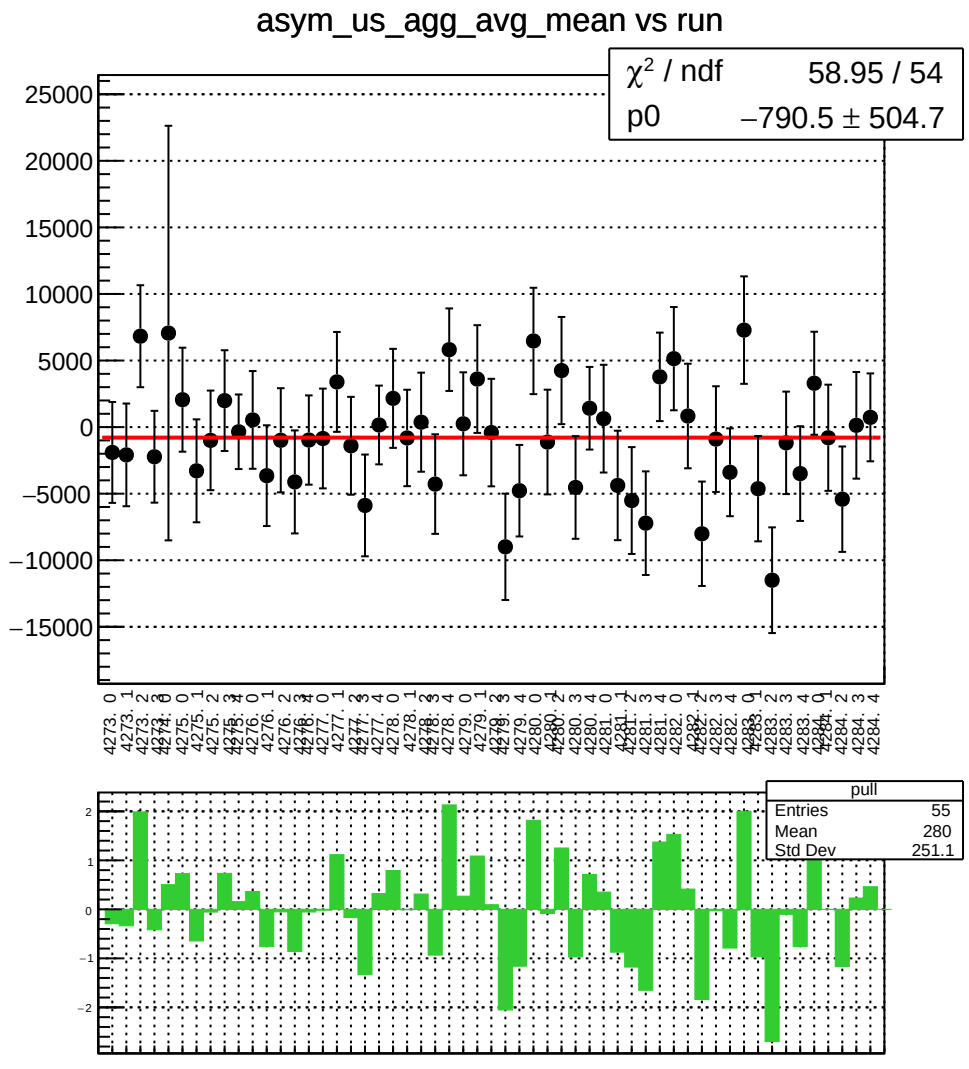
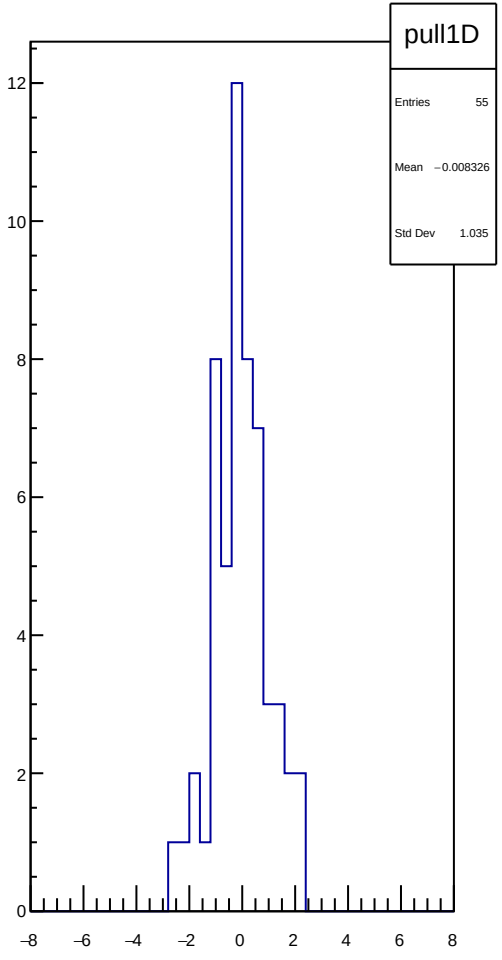
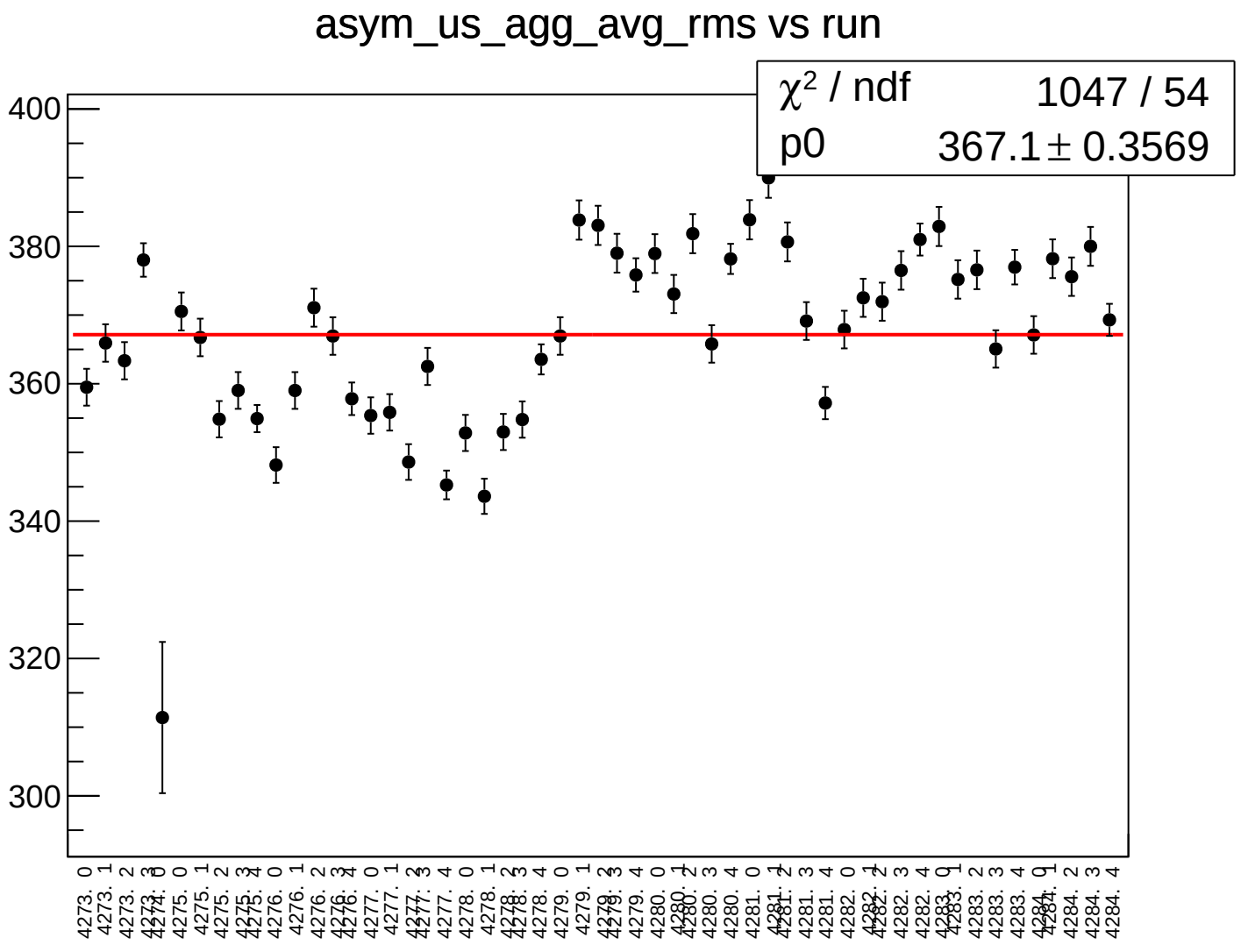
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_us_agg_avg_mean vs run
χ² / ndf 58.95 / 54
p0 −790.5 ± 504.7
pull
Entries 55
Mean 280
Std Dev 251.1


pull1D
Entries 55
Mean −0.008326
Std Dev 1.035


asym_us_agg_avg_rms vs run
χ² / ndf 1047 / 54
p0 367.1 ± 0.3569
400
380
360
340
320
300
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 3
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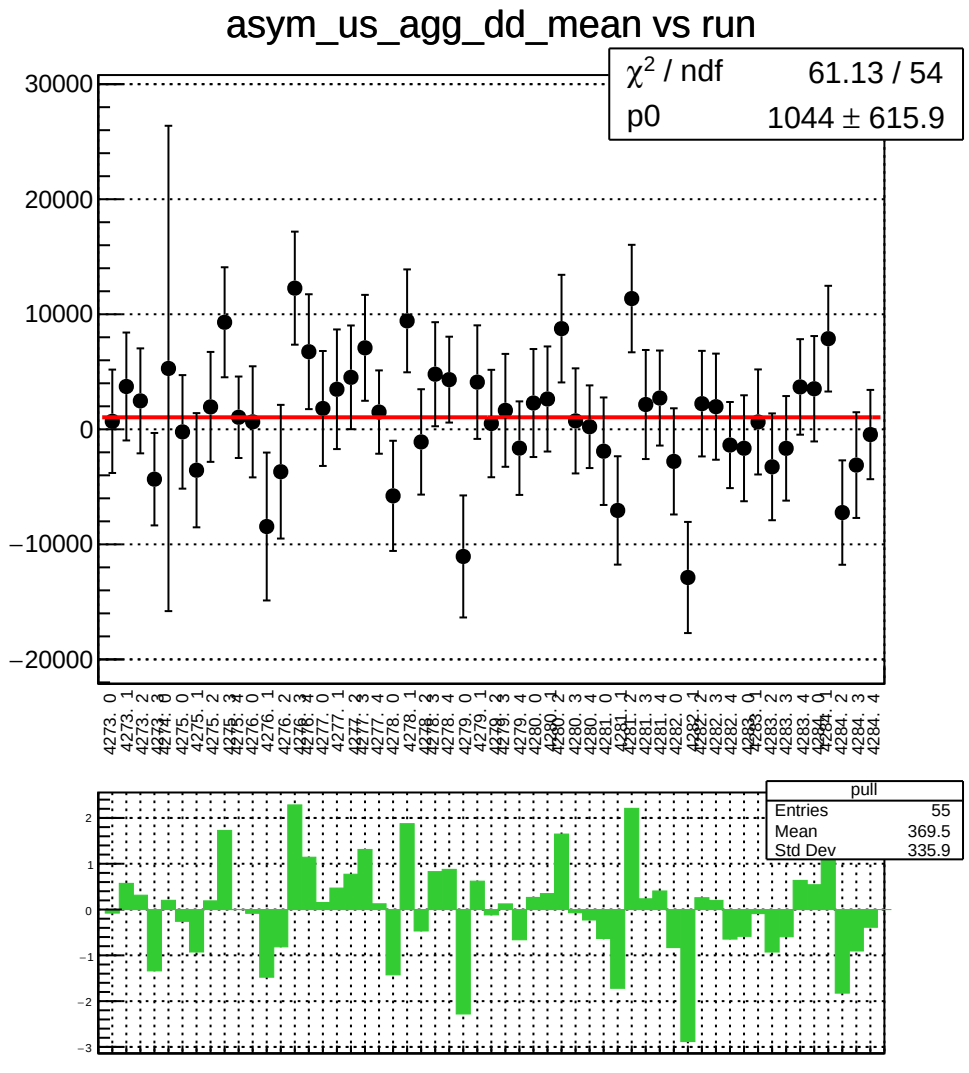
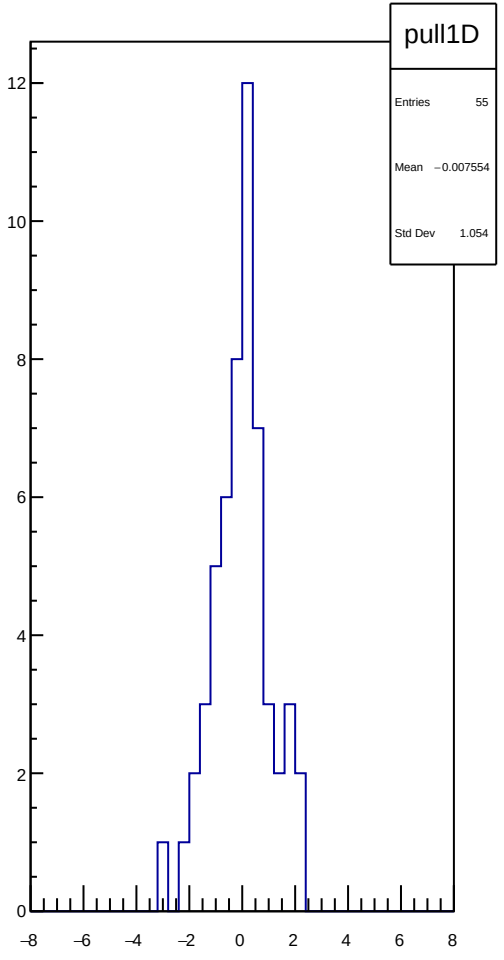
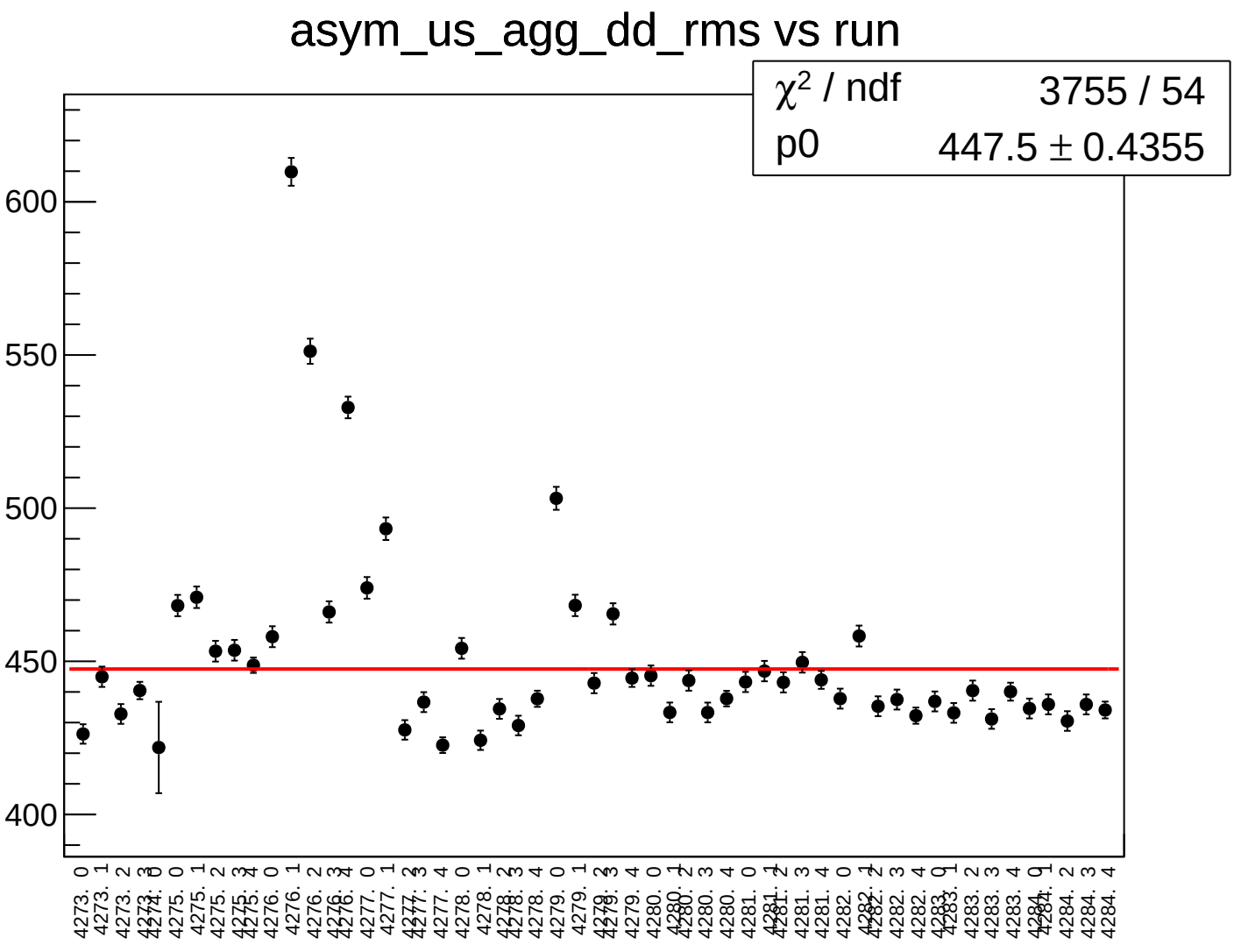
4284. 1
4284. 2
4284. 3
4284. 4


asym_us_agg_dd_mean vs run
χ² / ndf 61.13 / 54
p0 1044 ± 615.9
pull
Entries 55
Mean 369.5
Std Dev 335.9


pull1D
Entries 55
Mean −0.007554
Std Dev 1.054


asym_us_agg_dd_rms vs run
χ² / ndf 3755 / 54
p0 447.5 ± 0.4355
600
550
500
450
400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
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4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
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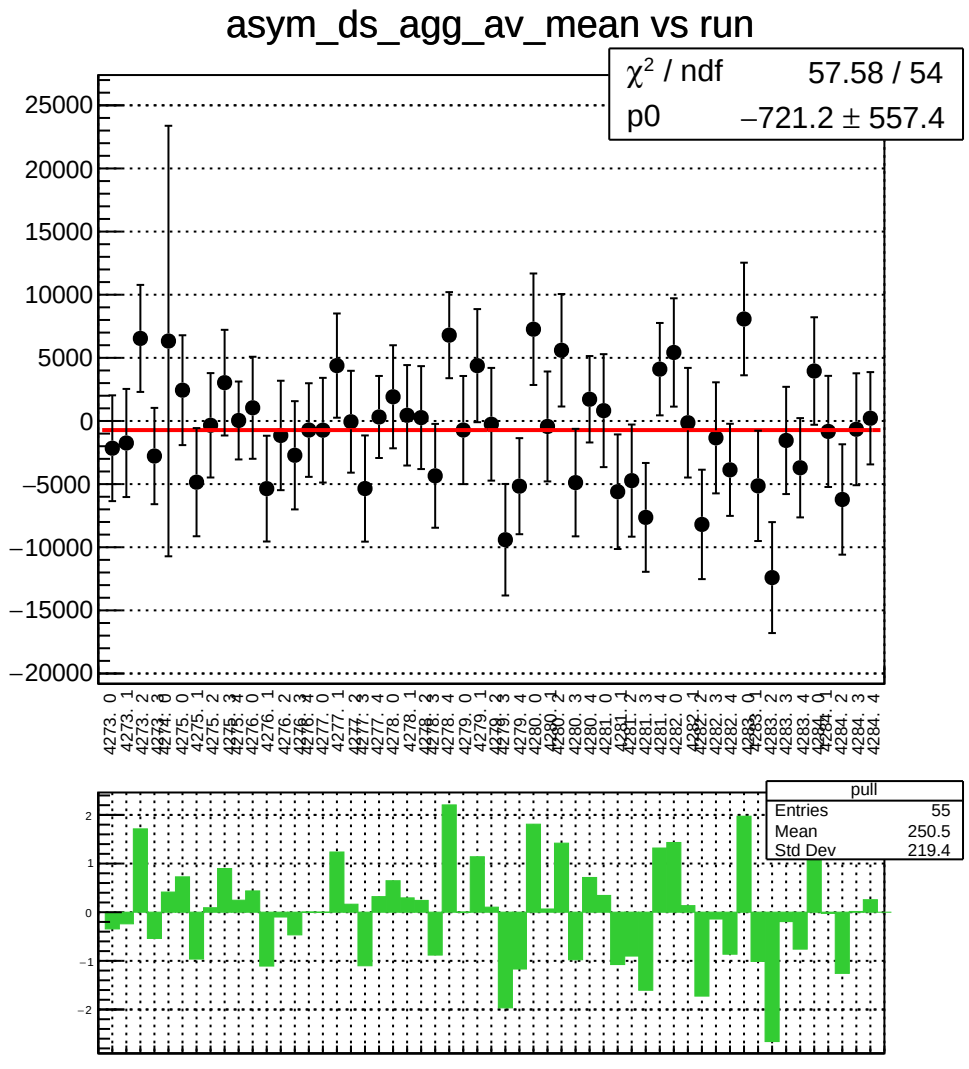
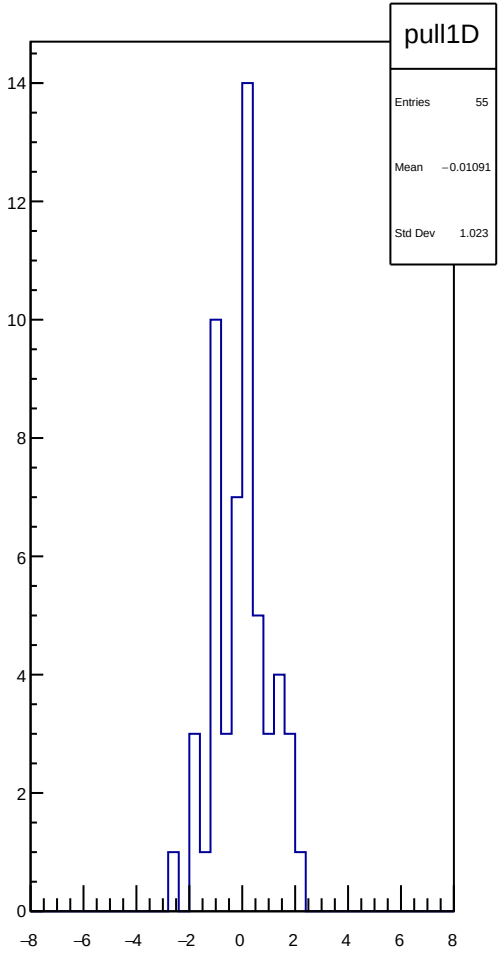
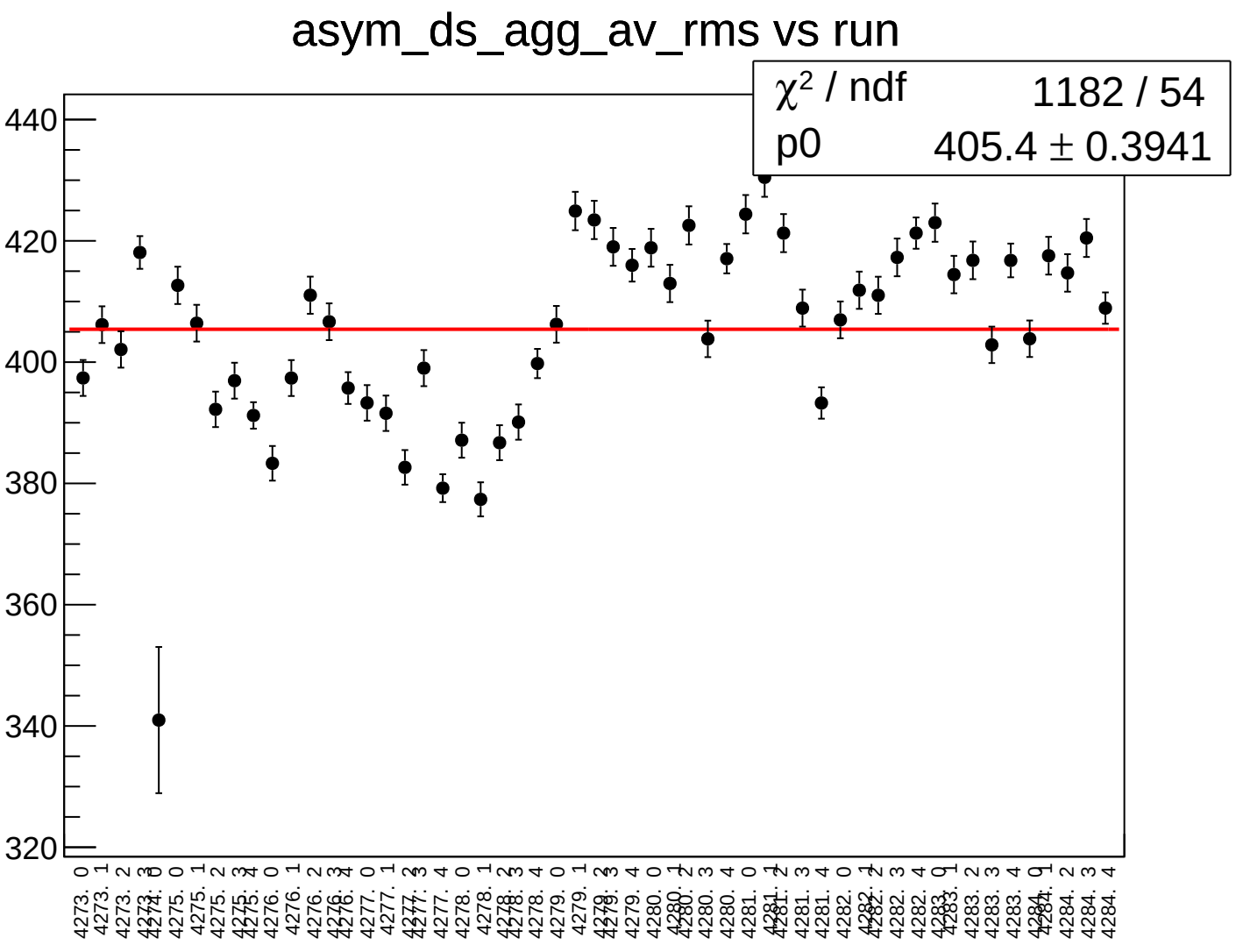
4284. 1
4284. 2
4284. 3
4284. 4


asym_ds_agg_av_mean vs run
χ² / ndf 57.58 / 54
p0 −721.2 ± 557.4
pull
Entries 55
Mean 250.5
Std Dev 219.4


pull1D
Entries 55
Mean −0.01091
Std Dev 1.023


asym_ds_agg_av_rms vs run
χ² / ndf 1182 / 54
p0 405.4 ± 0.3941
440
420
400
380
360
340
320
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4277. 1
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4280. 0
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4280. 2
4280. 3
4280. 4
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4282. 2
4282. 3
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4283. 2
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4284. 1
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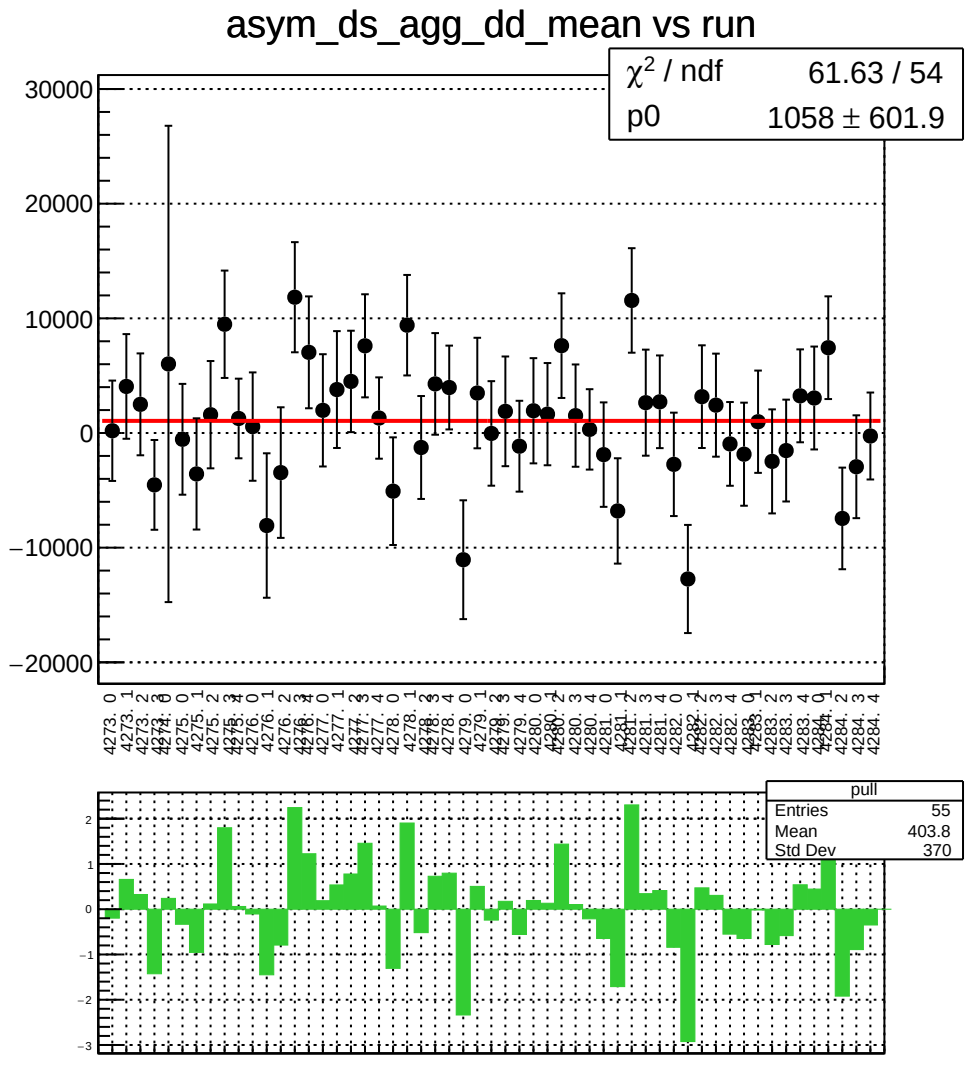
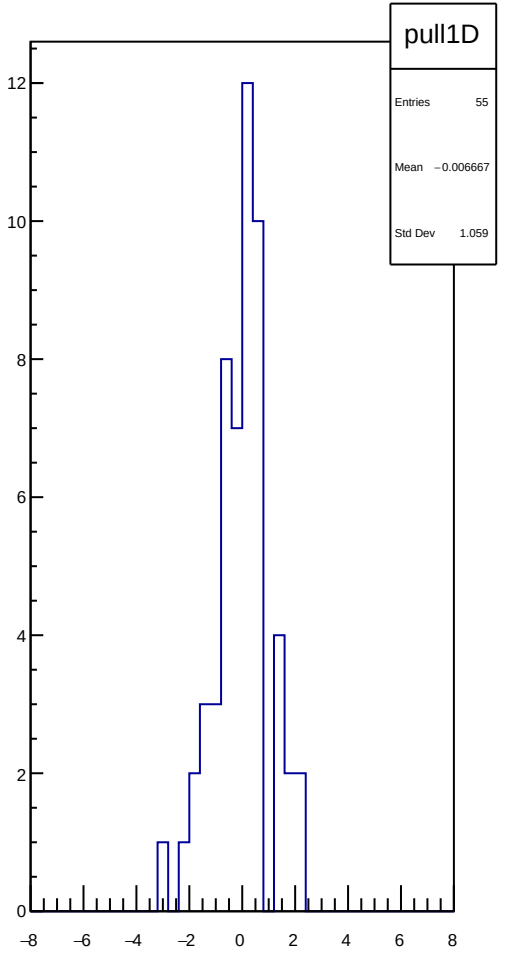
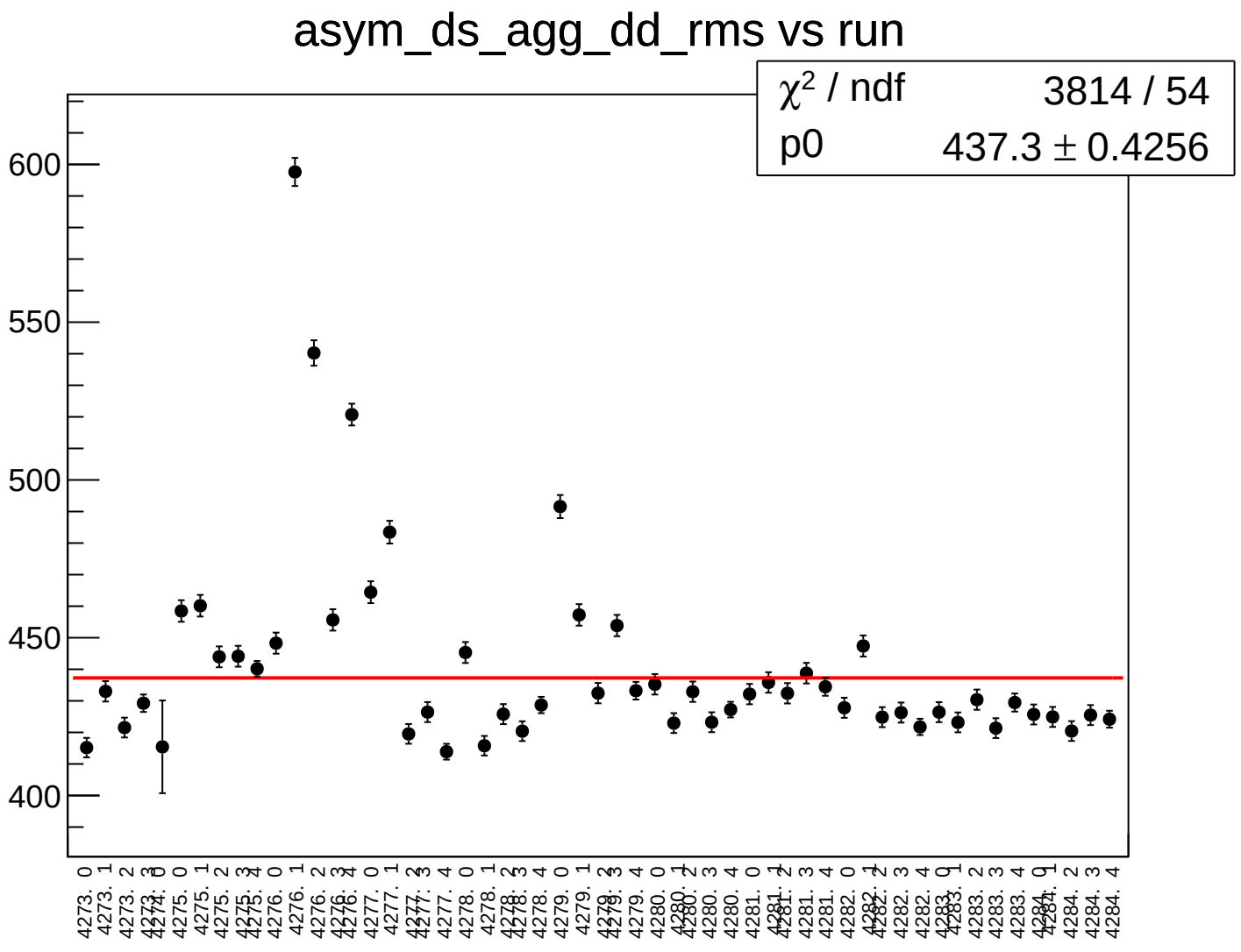
4284. 3
4284. 4


asym_ds_agg_dd_mean vs run
χ² / ndf 61.63 / 54
p0 1058 ± 601.9
pull
Entries 55
Mean 403.8
Std Dev 370


pull1D
Entries 55
Mean −0.006667
Std Dev 1.059


asym_ds_agg_dd_rms vs run
χ² / ndf 3814 / 54
p0 437.3 ± 0.4256
600
550
500
450
400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4276. 2
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4276. 4
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4282. 1
4282. 2
4282. 3
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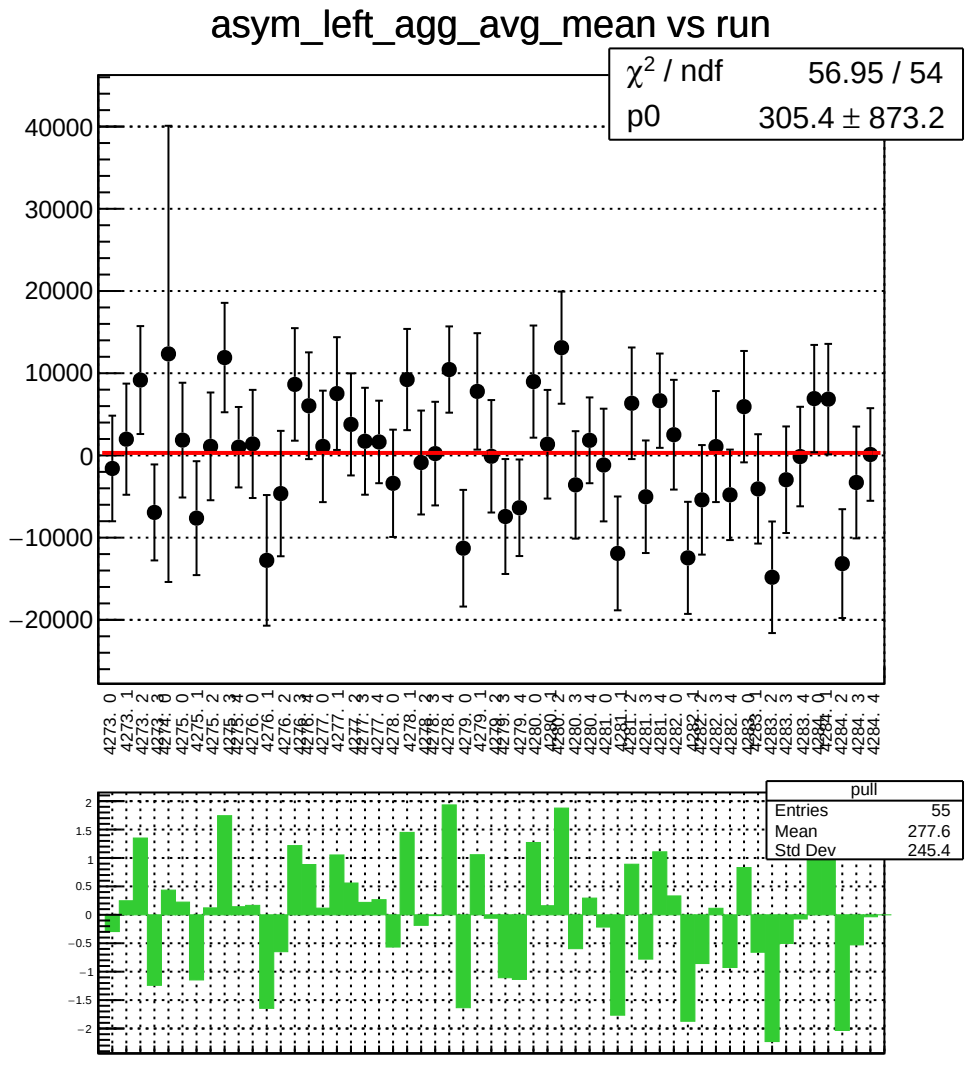
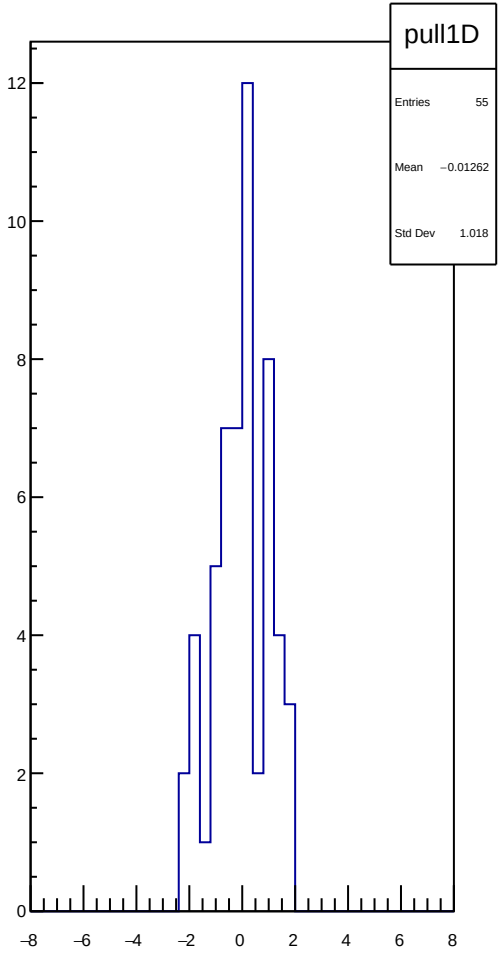
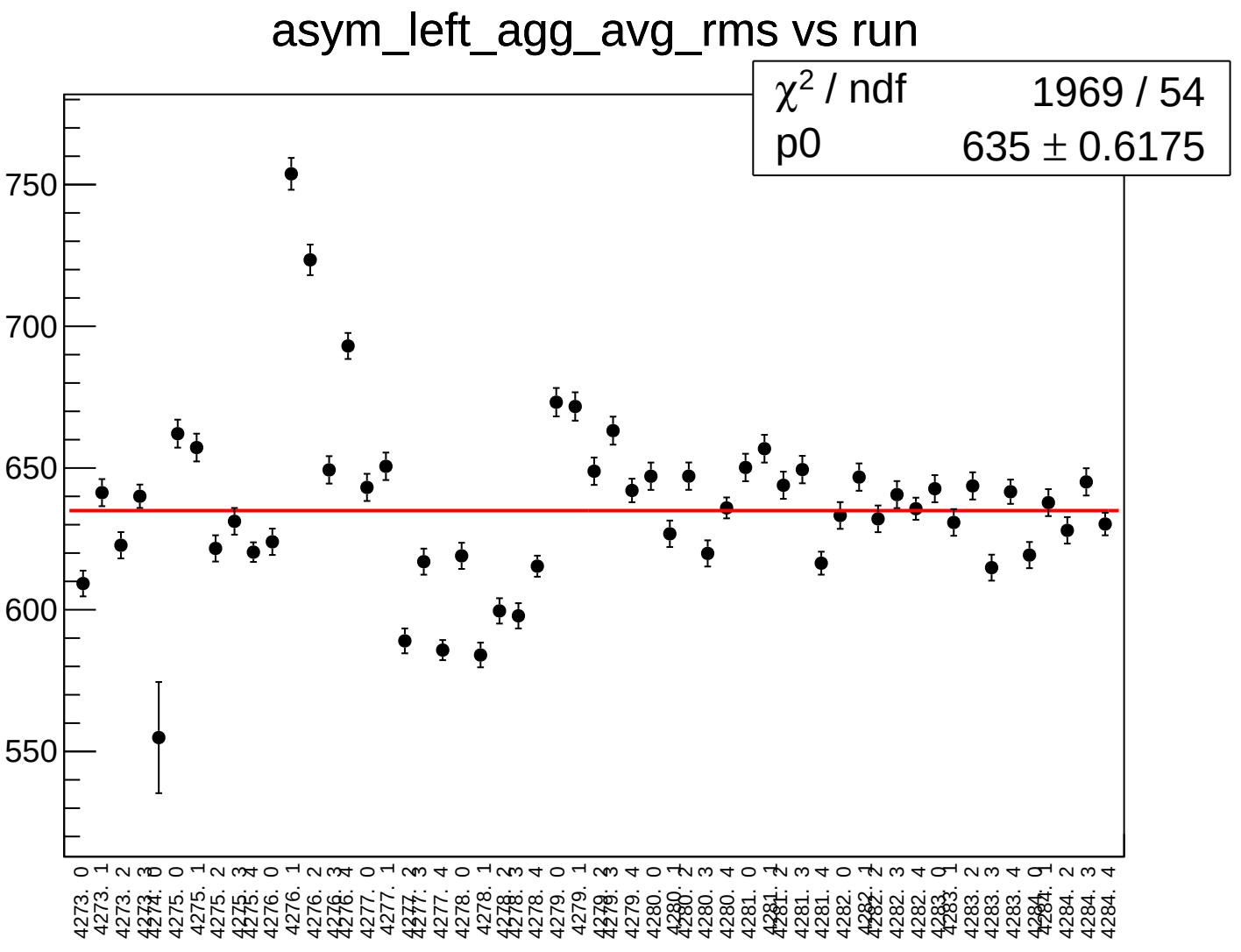
4284. 1
4284. 2
4284. 3
4284. 4


asym_left_agg_avg_mean vs run
χ² / ndf 56.95 / 54
p0 305.4 ± 873.2
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 55
Mean 277.6
Std Dev 245.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.01262
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_left_agg_avg_rms vs run
χ² / ndf 1969 / 54
p0 635 ± 0.6175
750
700
650
600
550
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
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4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
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4282. 2
4282. 3
4282. 4
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4284. 0
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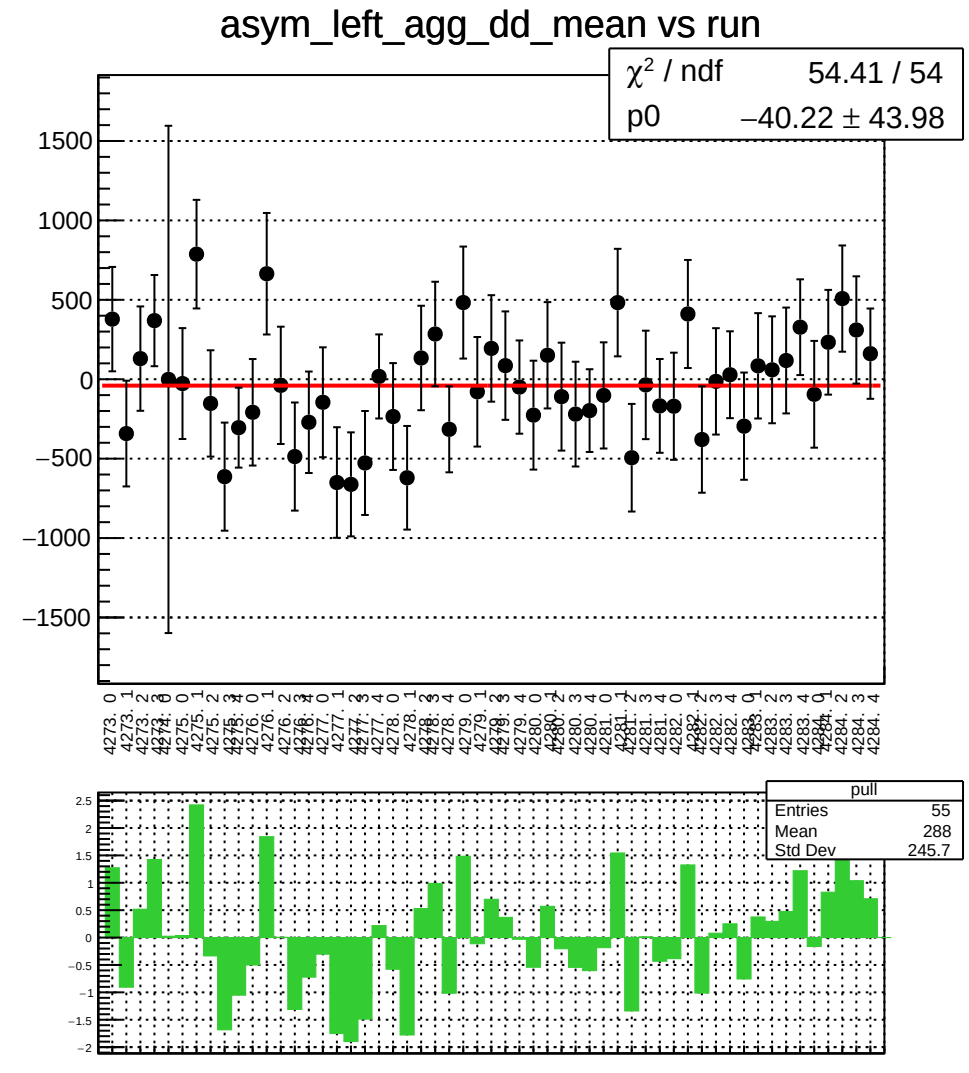
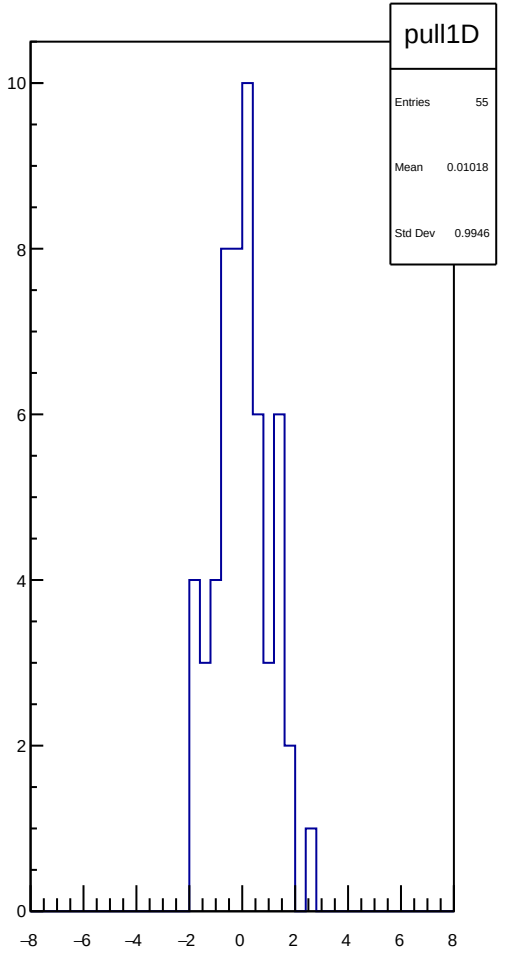
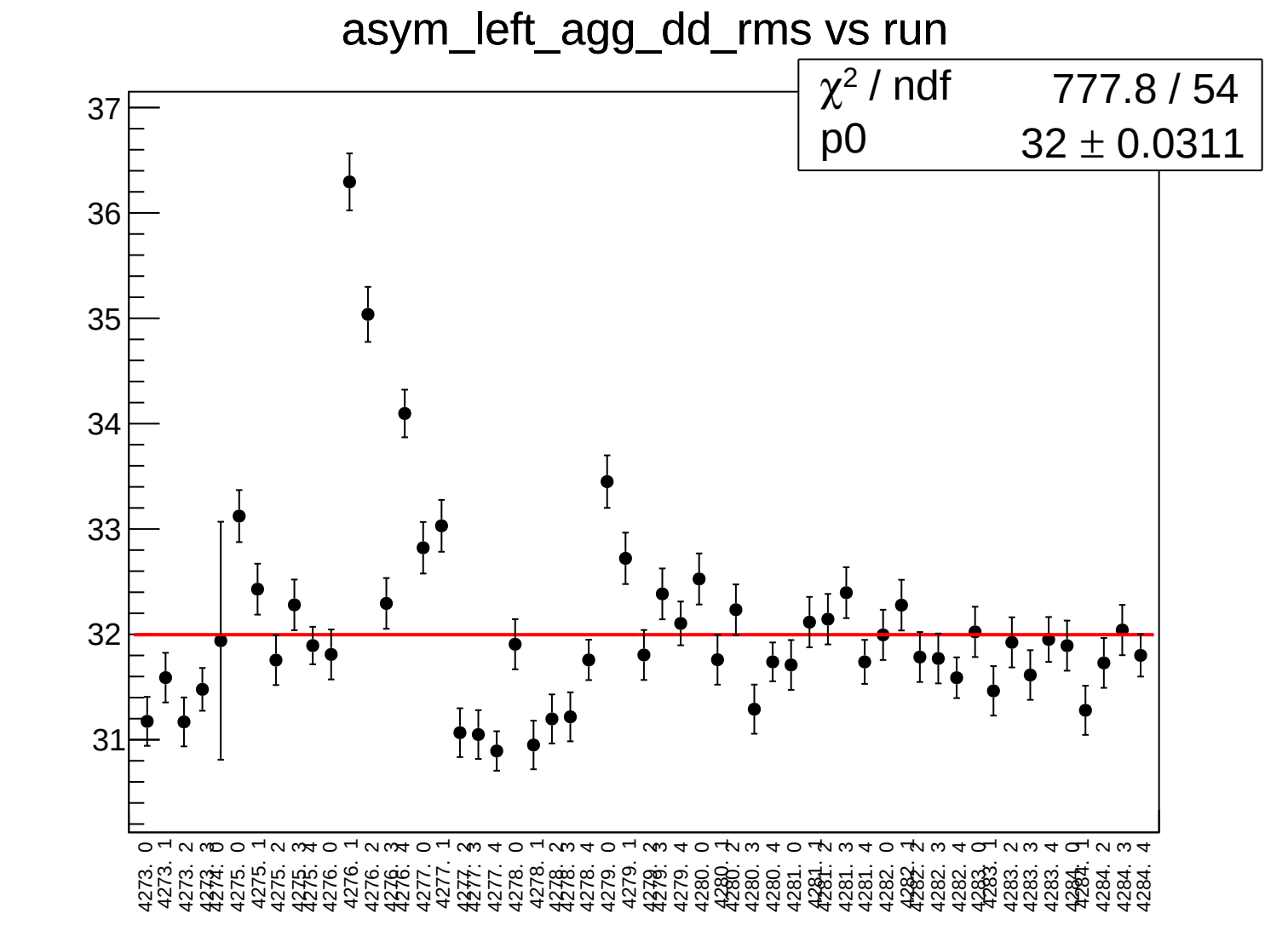
4284. 3
4284. 4


asym_left_agg_dd_mean vs run
χ² / ndf 54.41 / 54
p0 −40.22 ± 43.98
pull
Entries 55
Mean 288
Std Dev 245.7


pull1D
Entries 55
Mean 0.01018
Std Dev 0.9946


asym_left_agg_dd_rms vs run
χ^2 / ndf 777.8 / 54
p0 32 ± 0.0311
37
36
35
34
33
32
31
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
4284. 0
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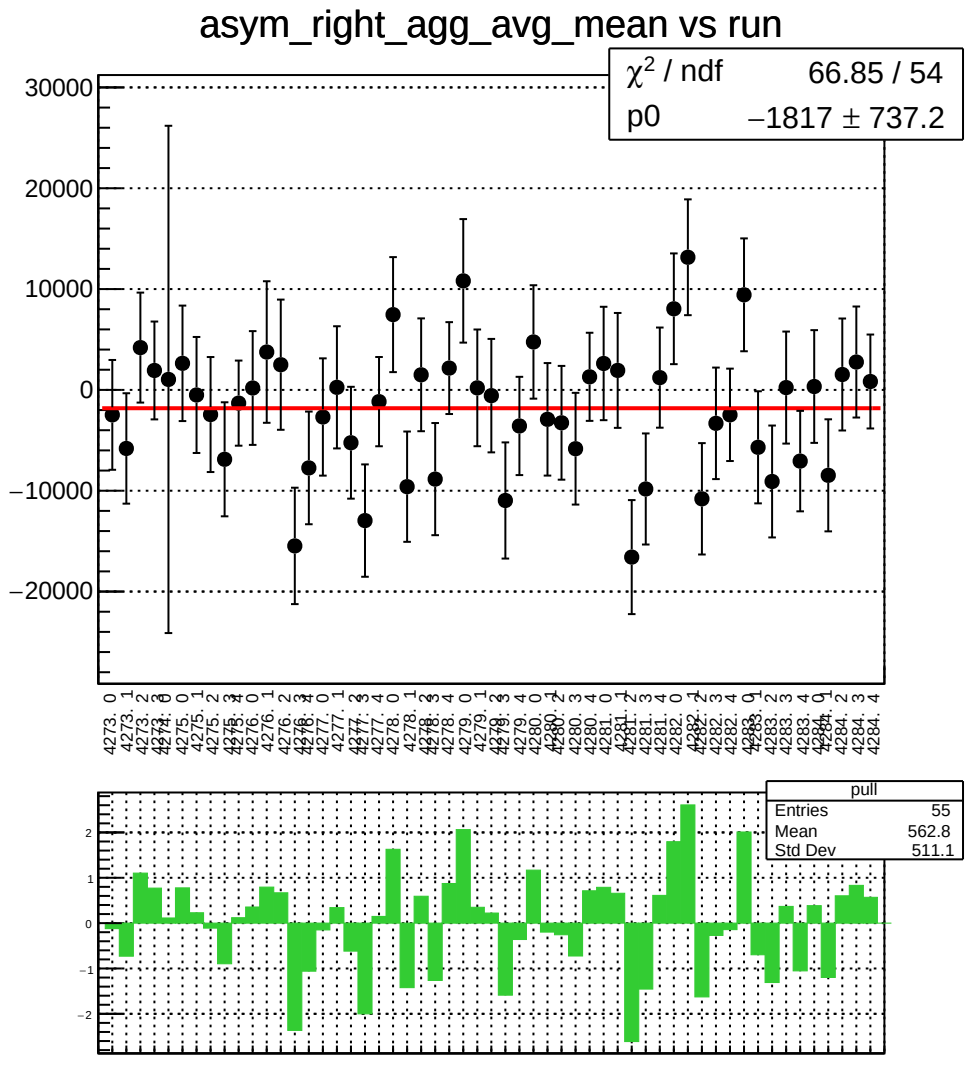
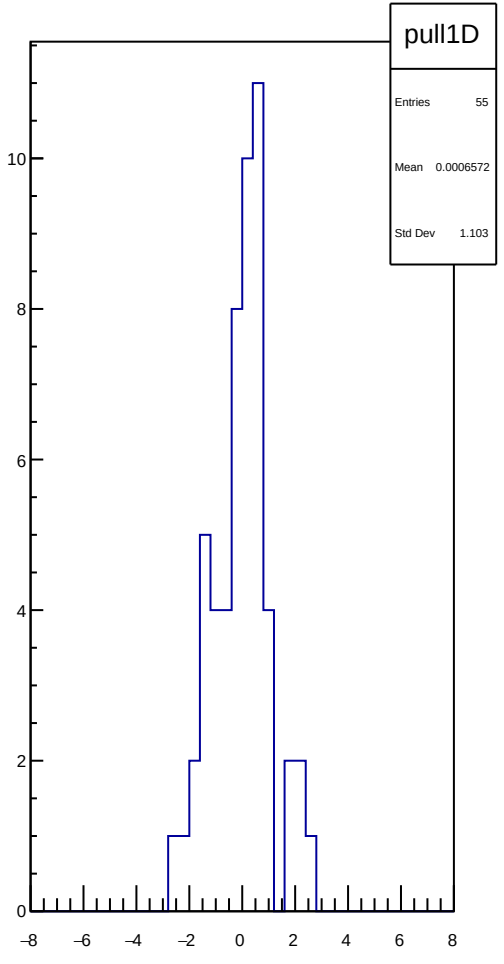
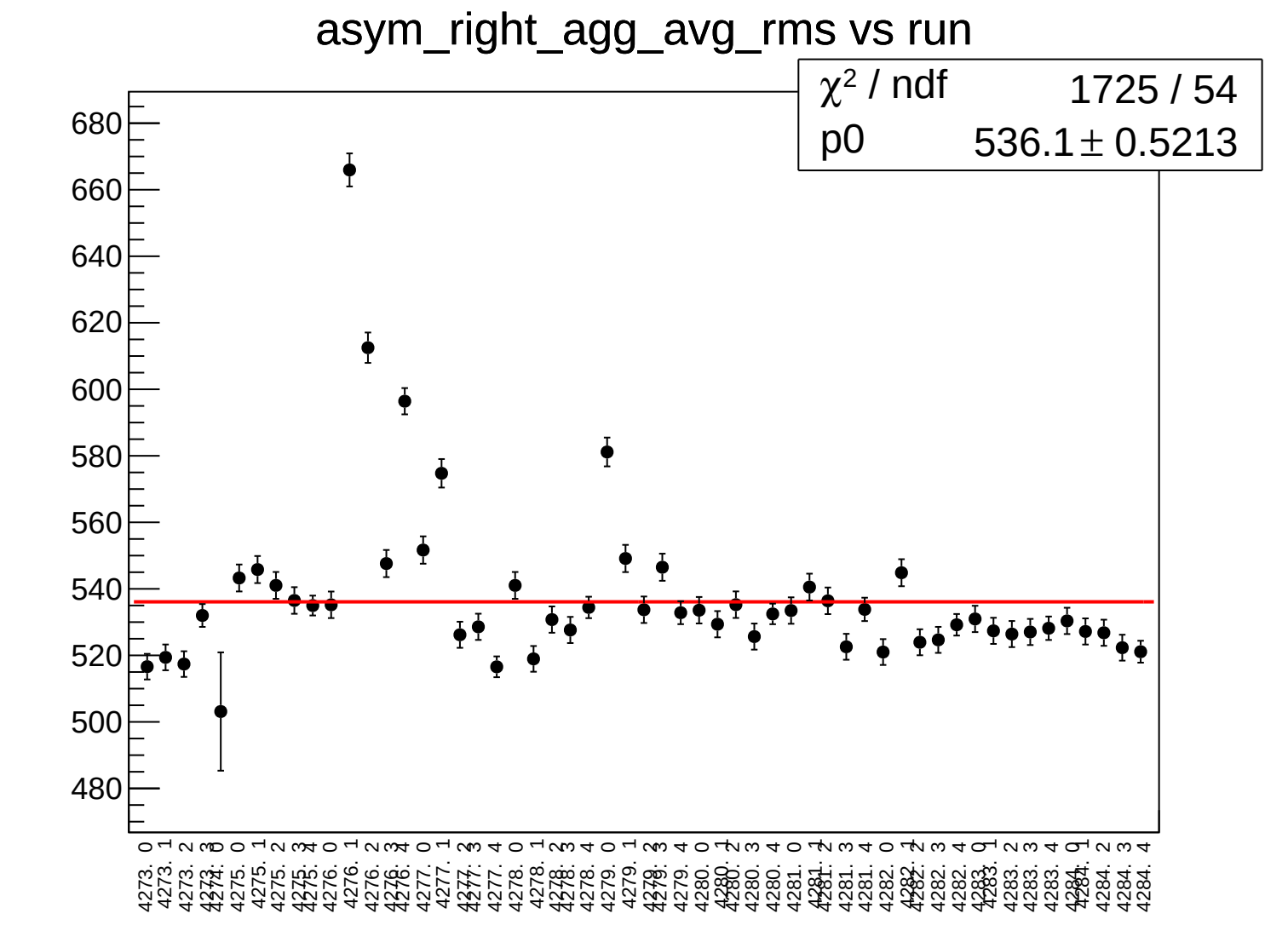
4284. 2
4284. 3
4284. 4


asym_right_agg_avg_mean vs run
χ² / ndf 66.85 / 54
p0 −1817 ± 737.2
pull
Entries 55
Mean 562.8
Std Dev 511.1


pull1D
Entries 55
Mean 0.0006572
Std Dev 1.103


asym_right_agg_avg_rms vs run
χ² / ndf 1725 / 54
p0 536.1 ± 0.5213
680
660
640
620
600
580
560
540
520
500
480
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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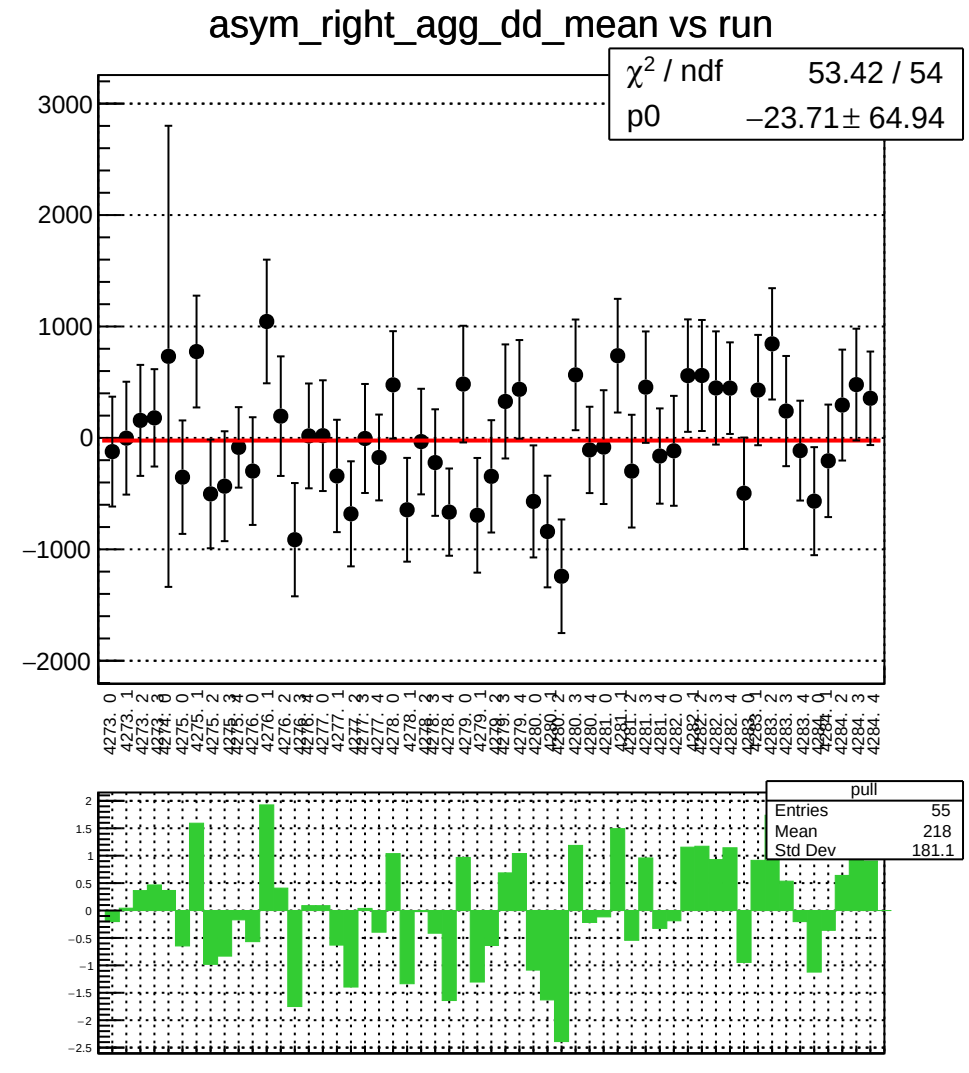
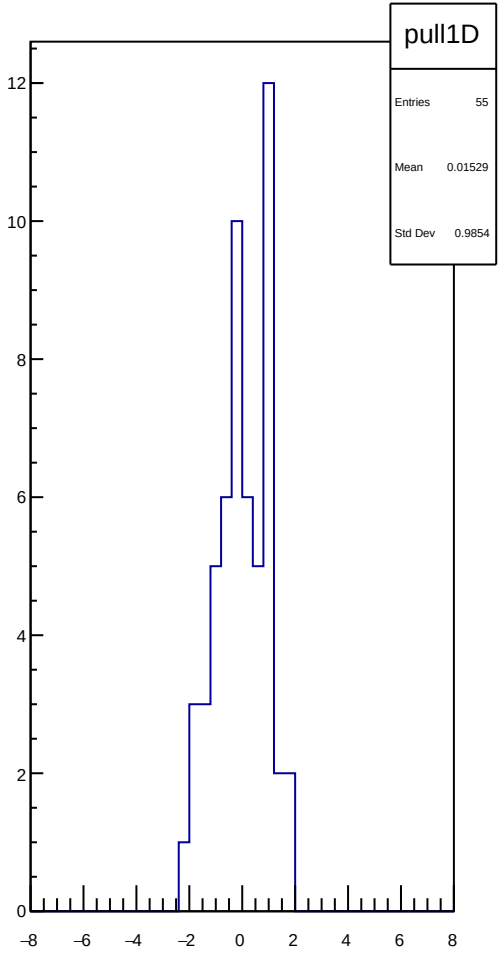
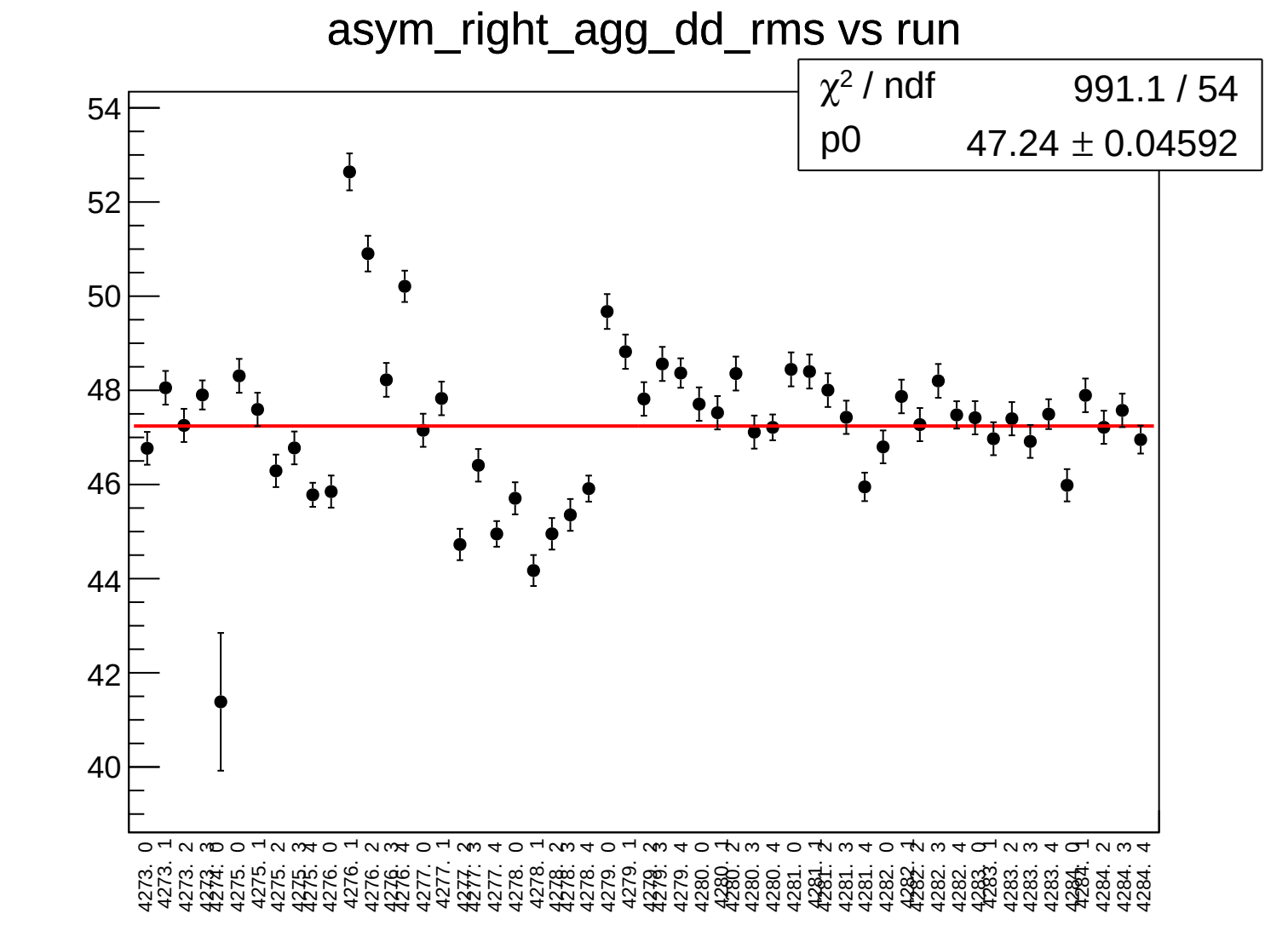
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_right_agg_dd_mean vs run
χ² / ndf 53.42 / 54
p0 −23.71 ± 64.94
pull
Entries 55
Mean 218
Std Dev 181.1


pull1D
Entries 55
Mean 0.01529
Std Dev 0.9854


asym_right_agg_dd_rms vs run
χ² / ndf 991.1 / 54
p0 47.24 ± 0.04592
54
52
50
48
46
44
42
40
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 2
4281. 3
4281. 4
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4282. 2
4282. 3
4282. 4
4283. 0
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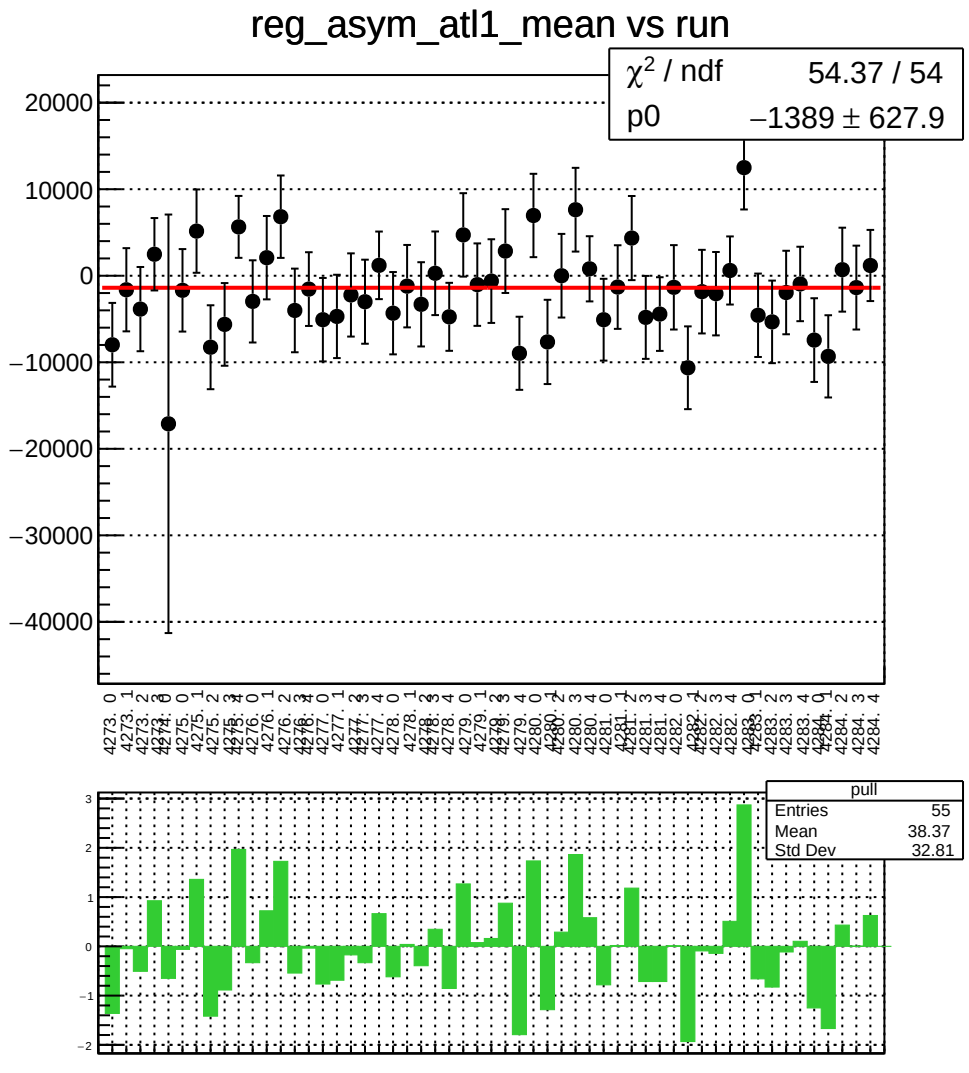
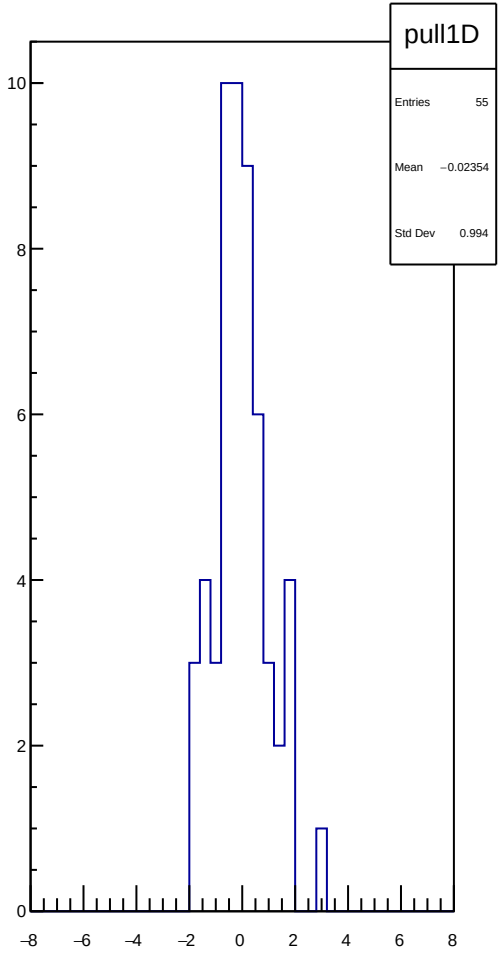
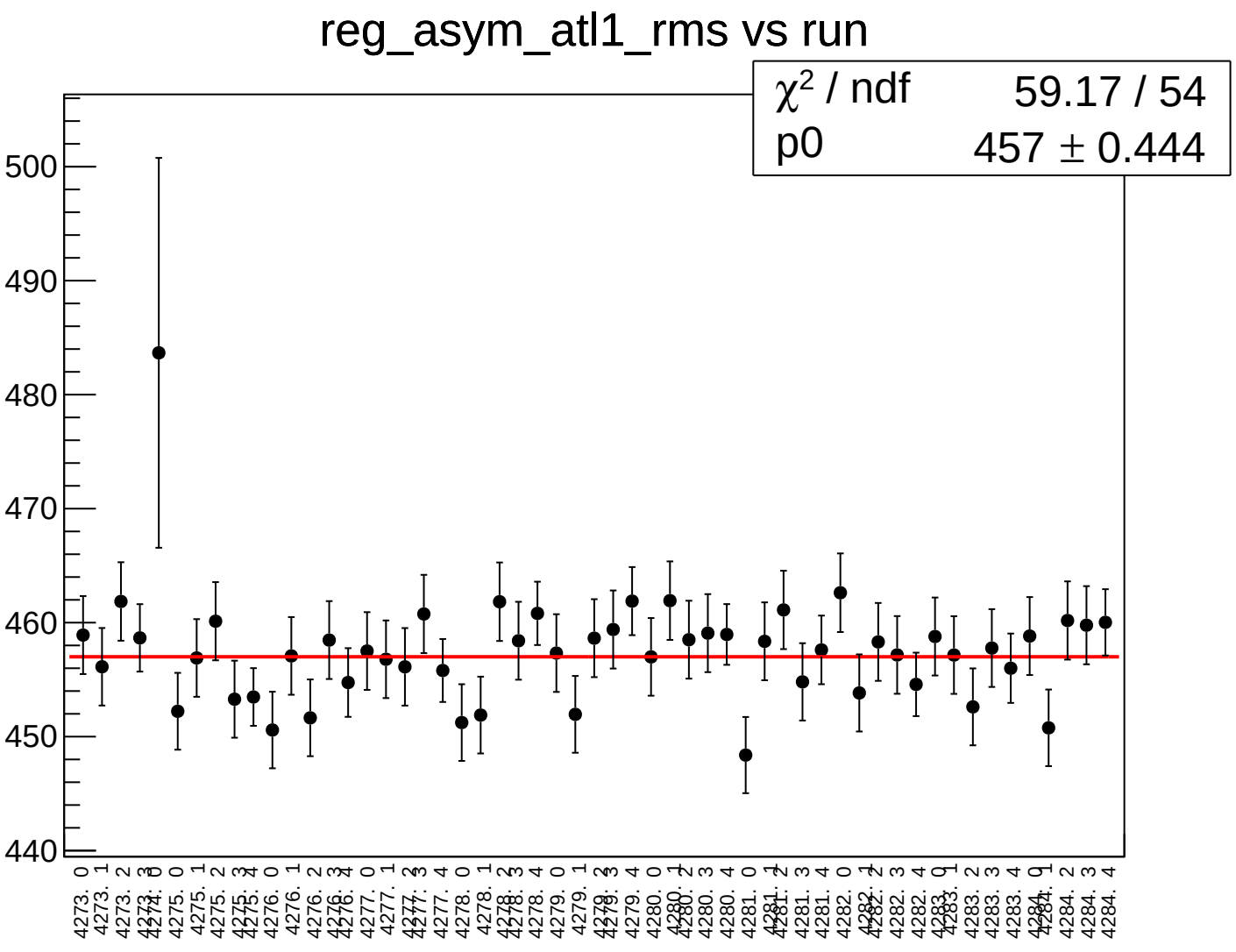
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_atl1_mean vs run
χ² / ndf 54.37 / 54
p0 −1389 ± 627.9
pull
Entries 55
Mean 38.37
Std Dev 32.81


pull1D
Entries 55
Mean −0.02354
Std Dev 0.994


reg_asym_atl1_rms vs run
χ² / ndf 59.17 / 54
p0 457 ± 0.444
500
490
480
470
460
450
440
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
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4281. 2
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4282. 1
4282. 2
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4282. 4
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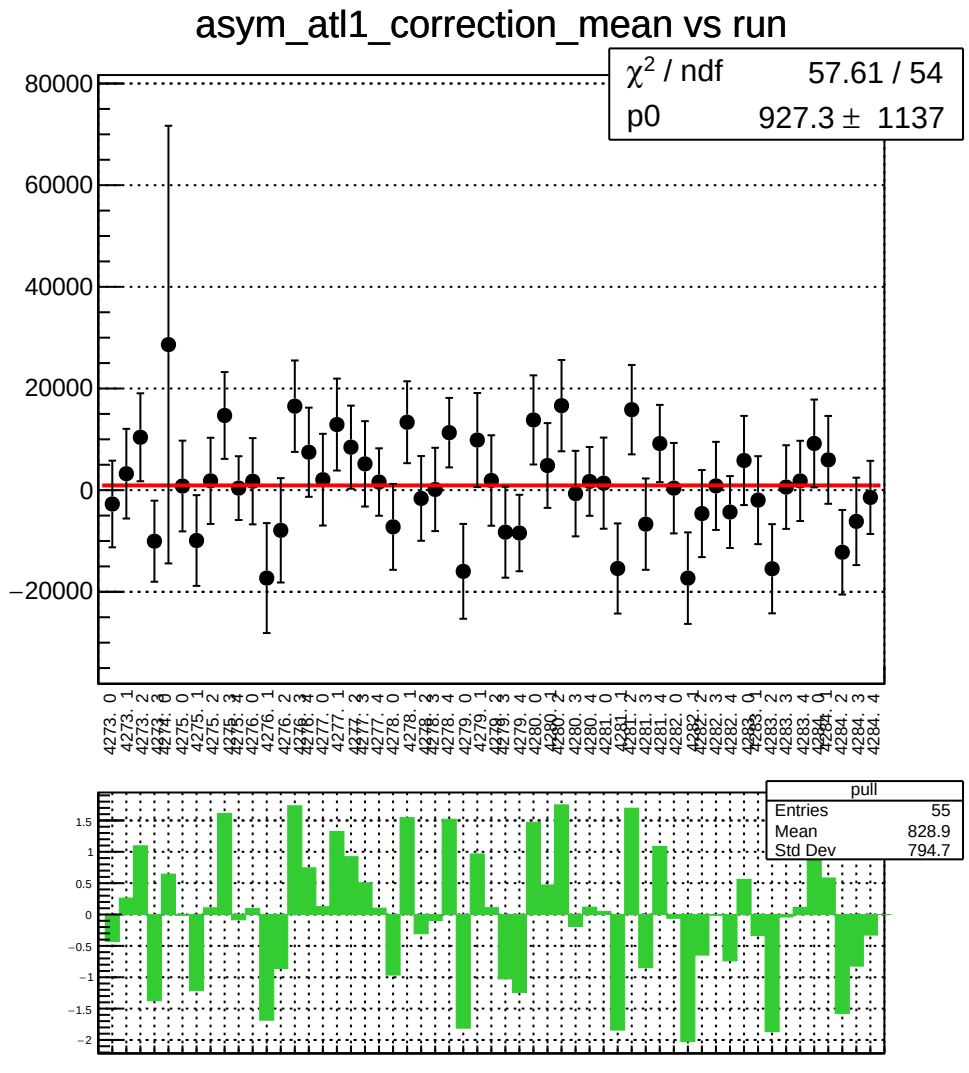
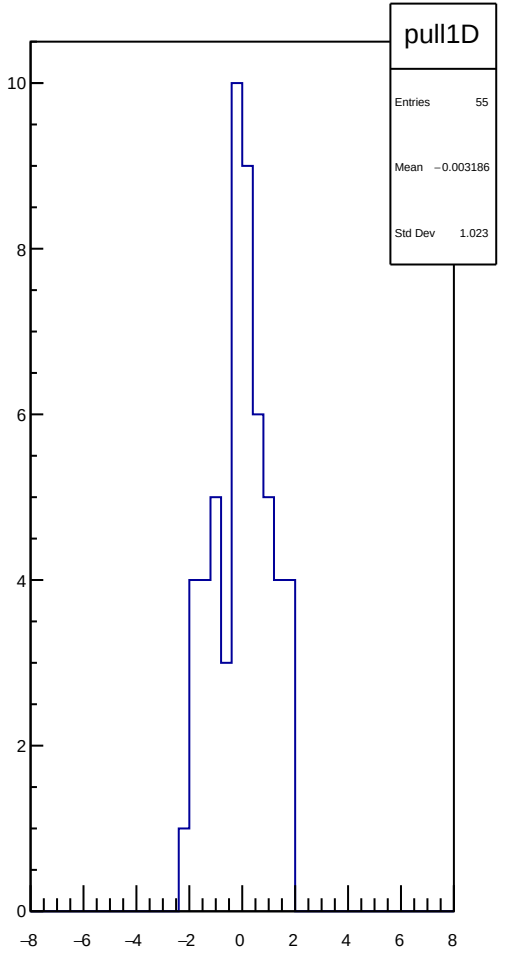
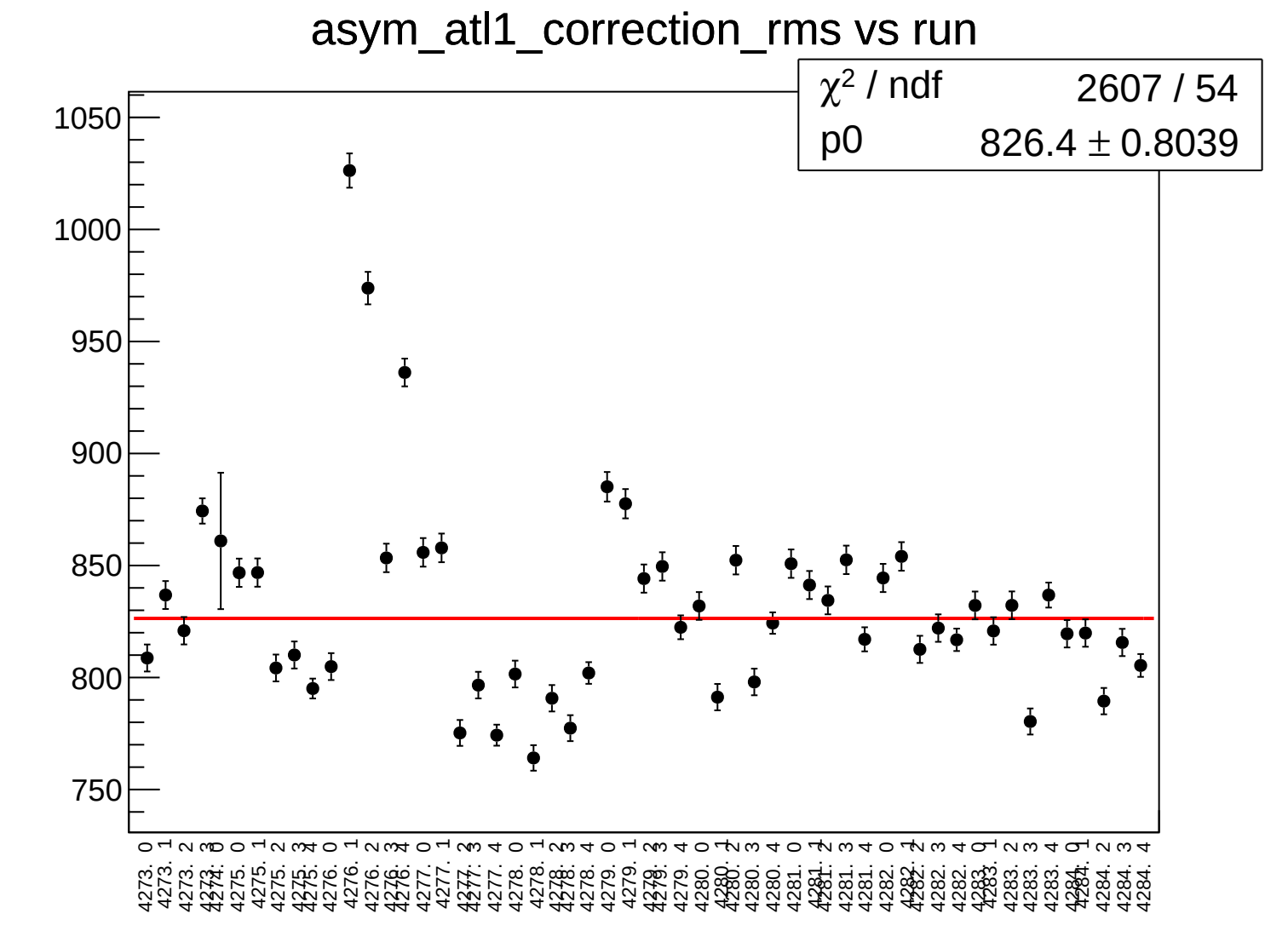
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_atl1_correction_mean vs run
χ² / ndf 57.61 / 54
p0 927.3 ± 1137
pull
Entries 55
Mean 828.9
Std Dev 794.7


pull1D
Entries 55
Mean −0.003186
Std Dev 1.023


asym_atl1_correction_rms vs run
χ² / ndf 2607 / 54
p0 826.4 ± 0.8039
1050
1000
950
900
850
800
750
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 2
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4282. 2
4282. 3
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4283. 3
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4284. 0
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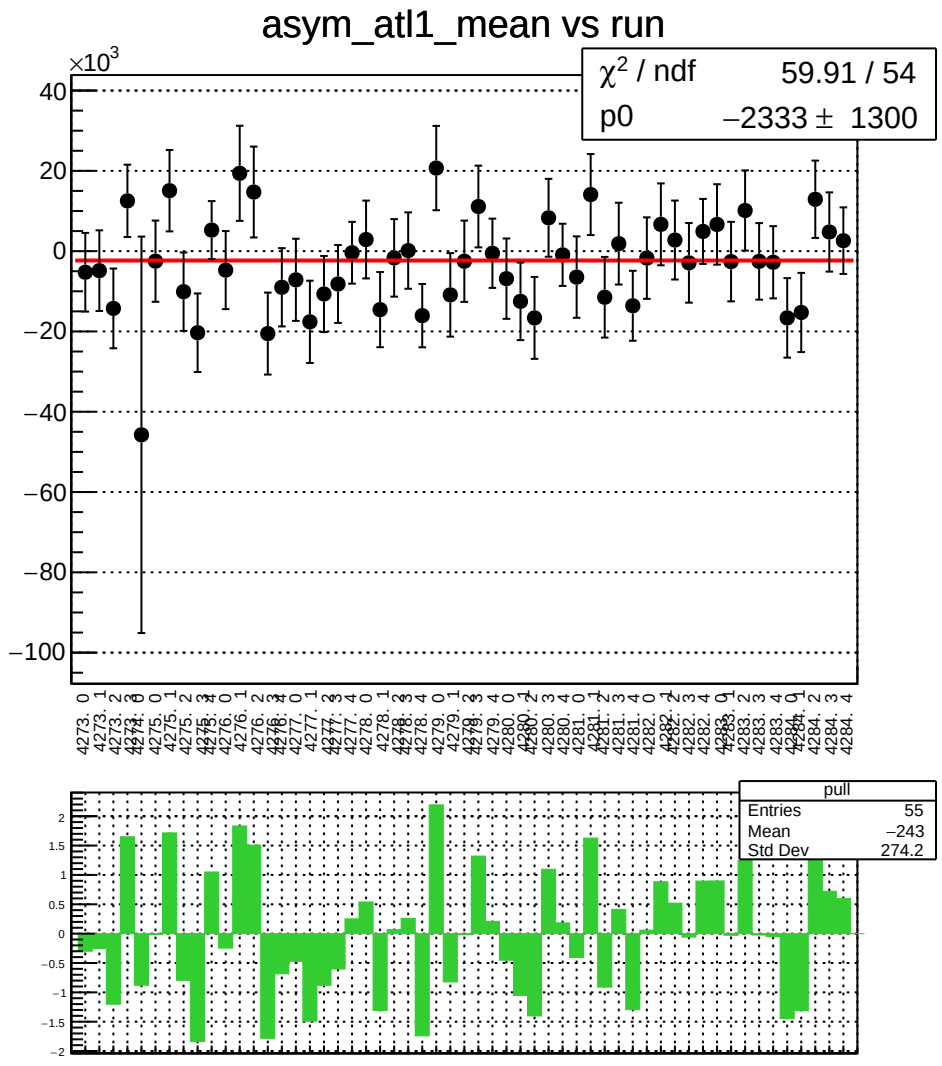
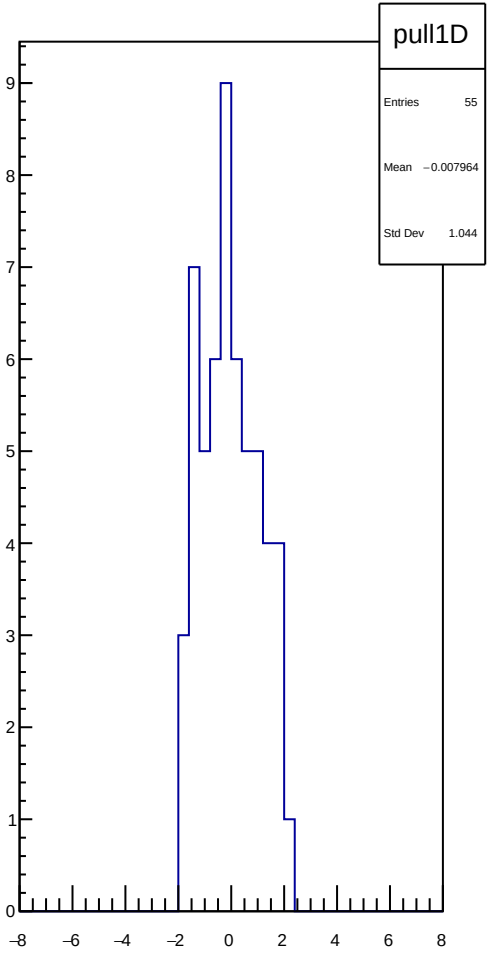
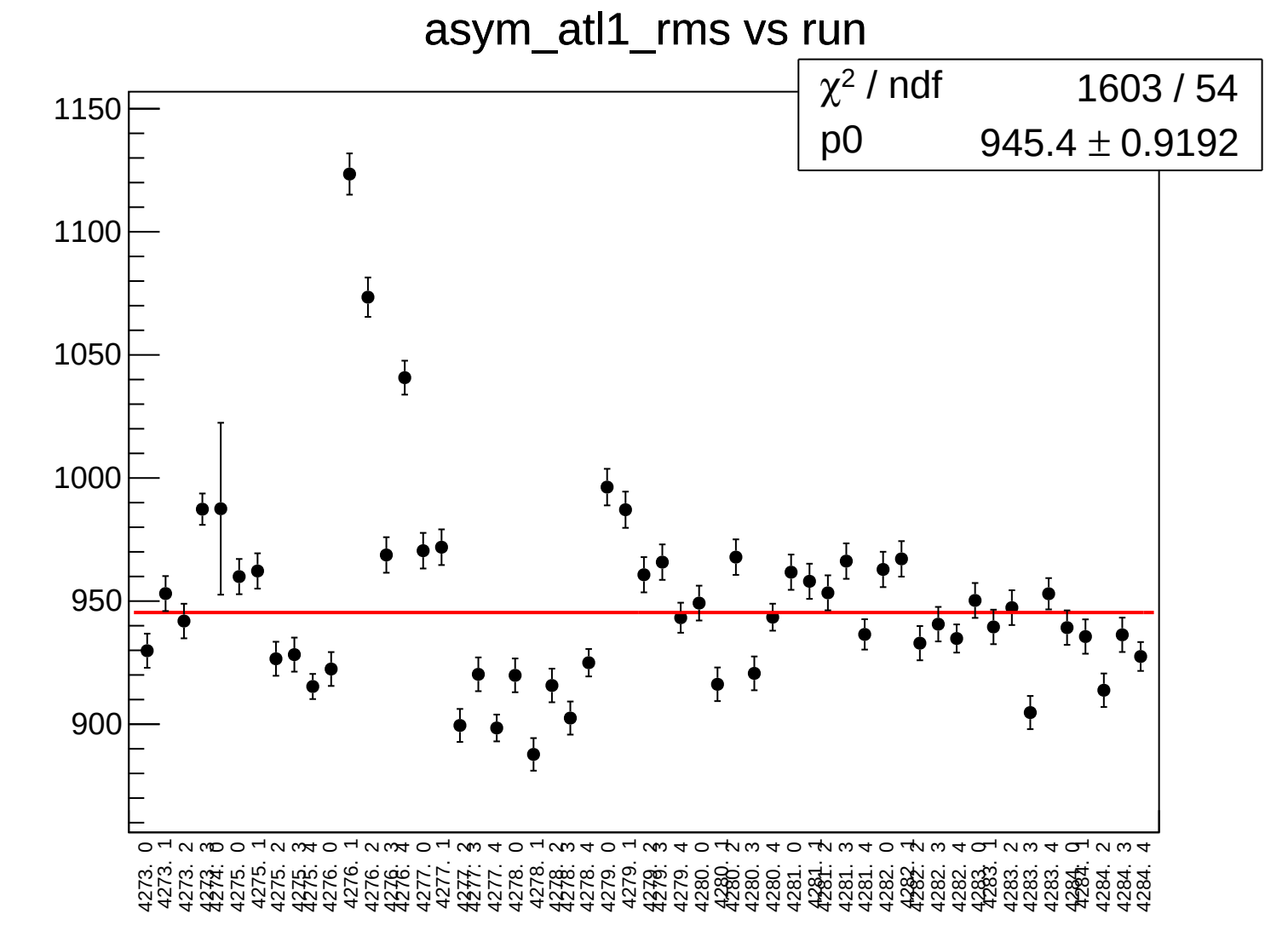
4284. 2
4284. 3
4284. 4


asym_atl1_mean vs run
×10^3
χ² / ndf 59.91 / 54
p0 −2333 ± 1300
pull
Entries 55
Mean −243
Std Dev 274.2


pull1D
Entries 55
Mean −0.007964
Std Dev 1.044


asym_atl1_rms vs run
χ² / ndf 1603 / 54
p0 945.4 ± 0.9192
1150
1100
1050
1000
950
900
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4277. 0
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4277. 2
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4277. 4
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4278. 2
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4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 2
4280. 3
4280. 4
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4281. 2
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4282. 1
4282. 2
4282. 3
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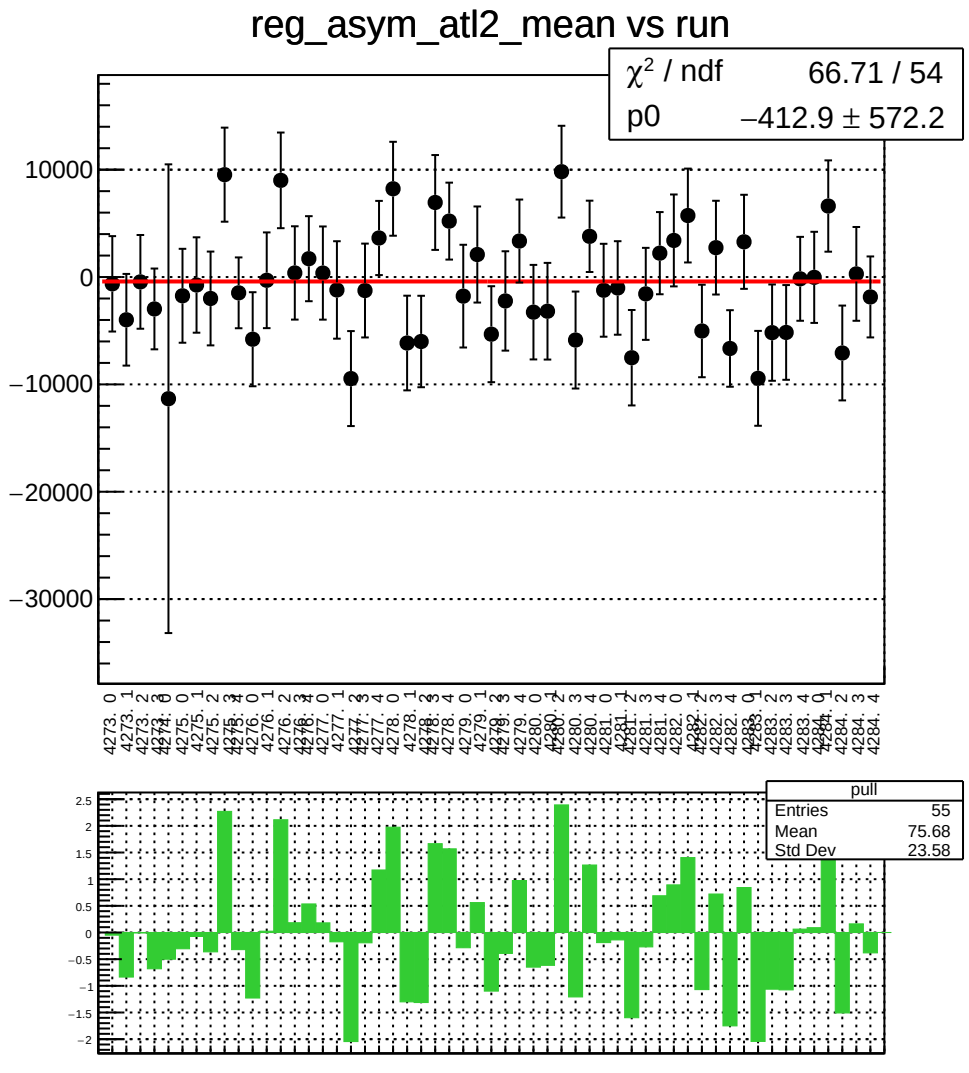
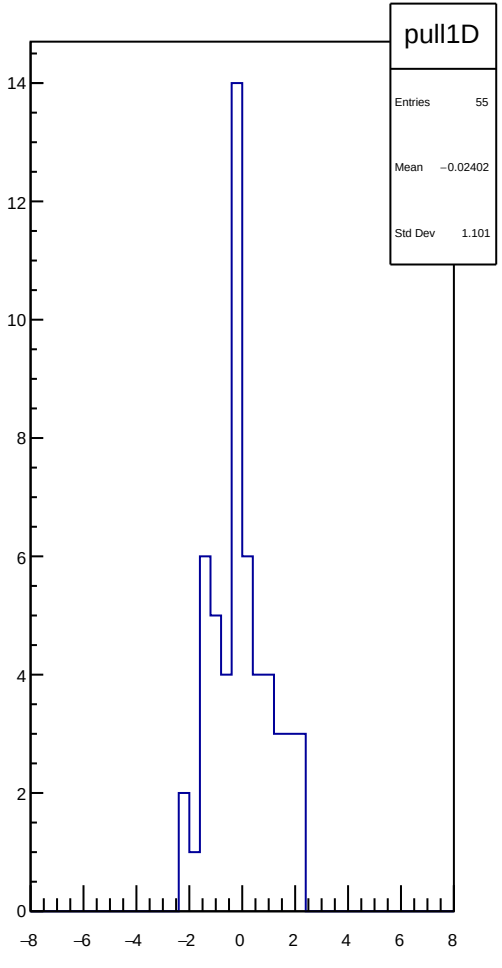
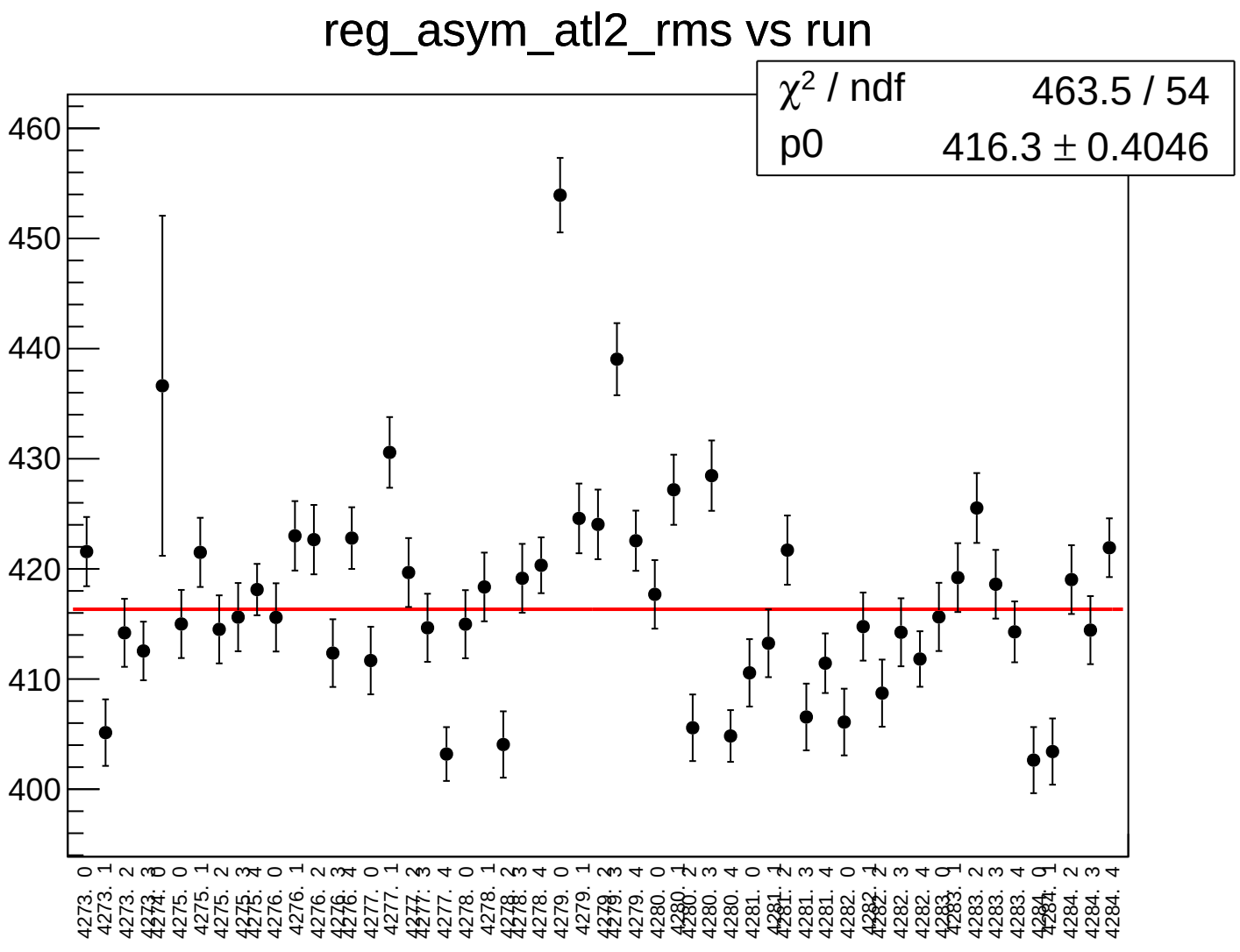
4284. 4


reg_asym_atl2_mean vs run
χ² / ndf 66.71 / 54
p0 −412.9 ± 572.2
10000
0
−10000
−20000
−30000
pull
Entries 55
Mean 75.68
Std Dev 23.58
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.02402
Std Dev 1.101
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl2_rms vs run
χ² / ndf 463.5 / 54
p0 416.3 ± 0.4046
460
450
440
430
420
410
400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4277. 2
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4277. 4
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4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
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4280. 2
4280. 3
4280. 4
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4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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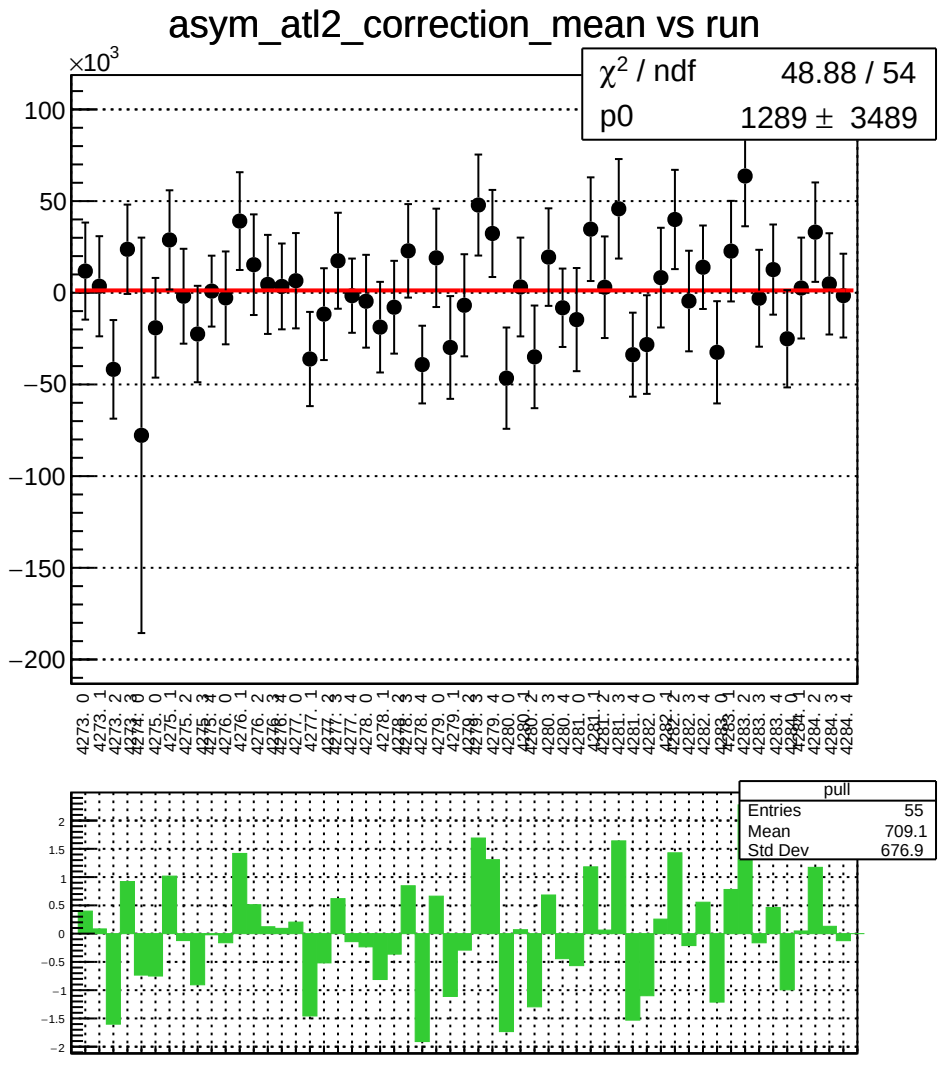
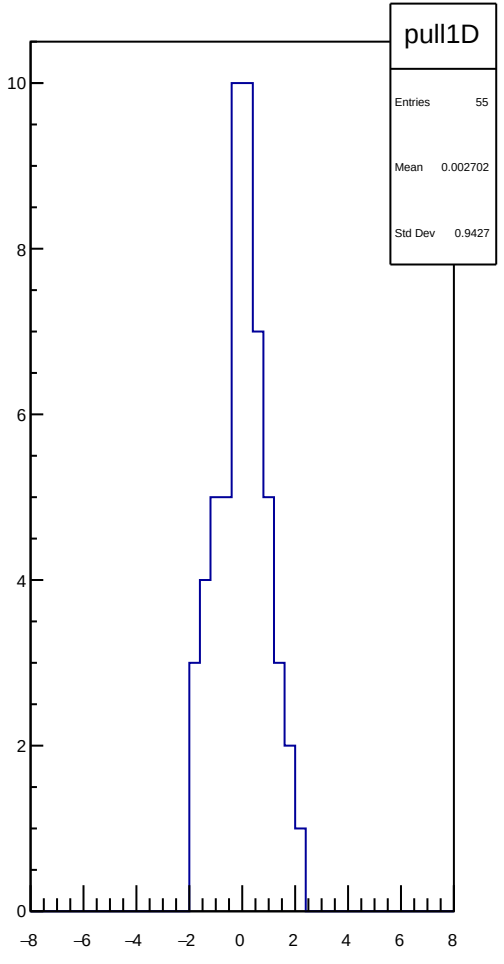
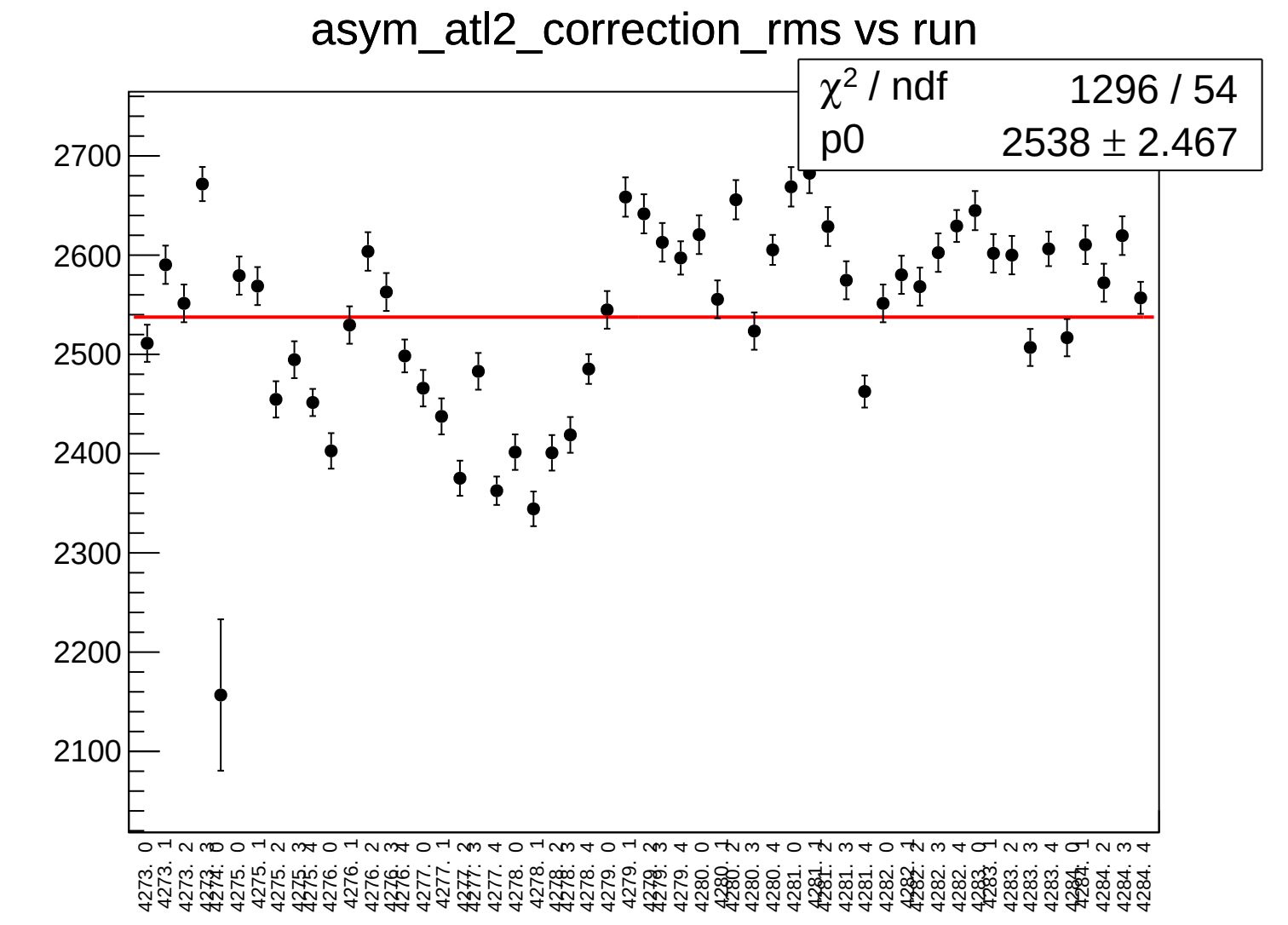
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_atl2_correction_mean vs run
×10^3
χ² / ndf 48.88 / 54
p0 1289 ± 3489
pull
Entries 55
Mean 709.1
Std Dev 676.9


pull1D
Entries 55
Mean 0.002702
Std Dev 0.9427


asym_atl2_correction_rms vs run
χ² / ndf 1296 / 54
p0 2538 ± 2.467
2700
2600
2500
2400
2300
2200
2100
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
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4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
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4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 1
4280. 2
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4280. 4
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4282. 1
4282. 2
4282. 3
4282. 4
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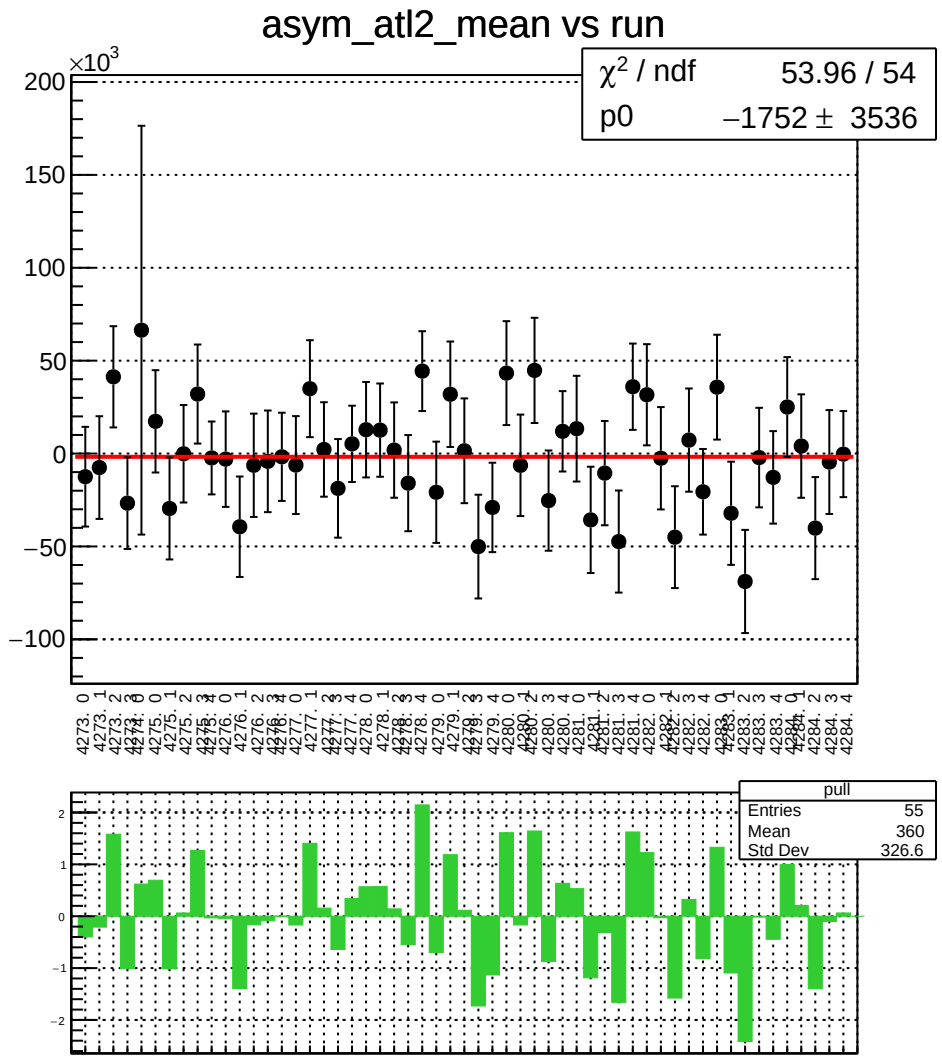
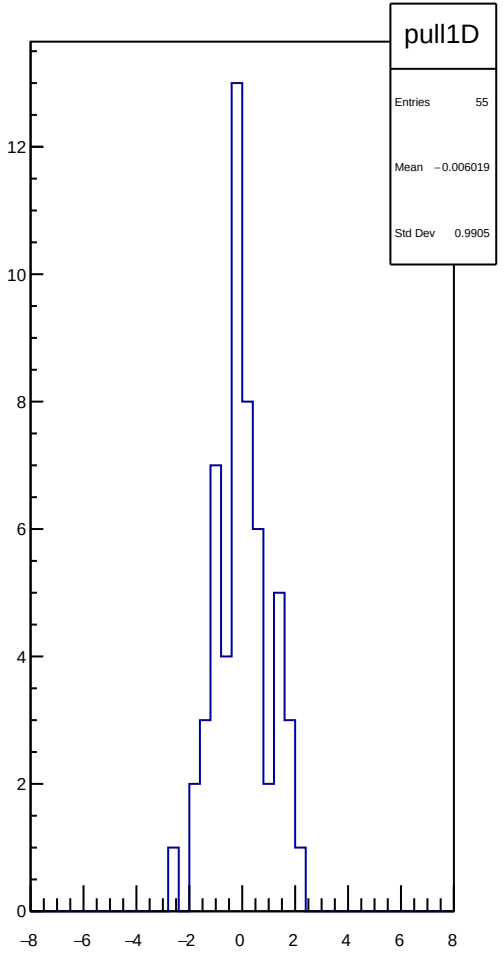
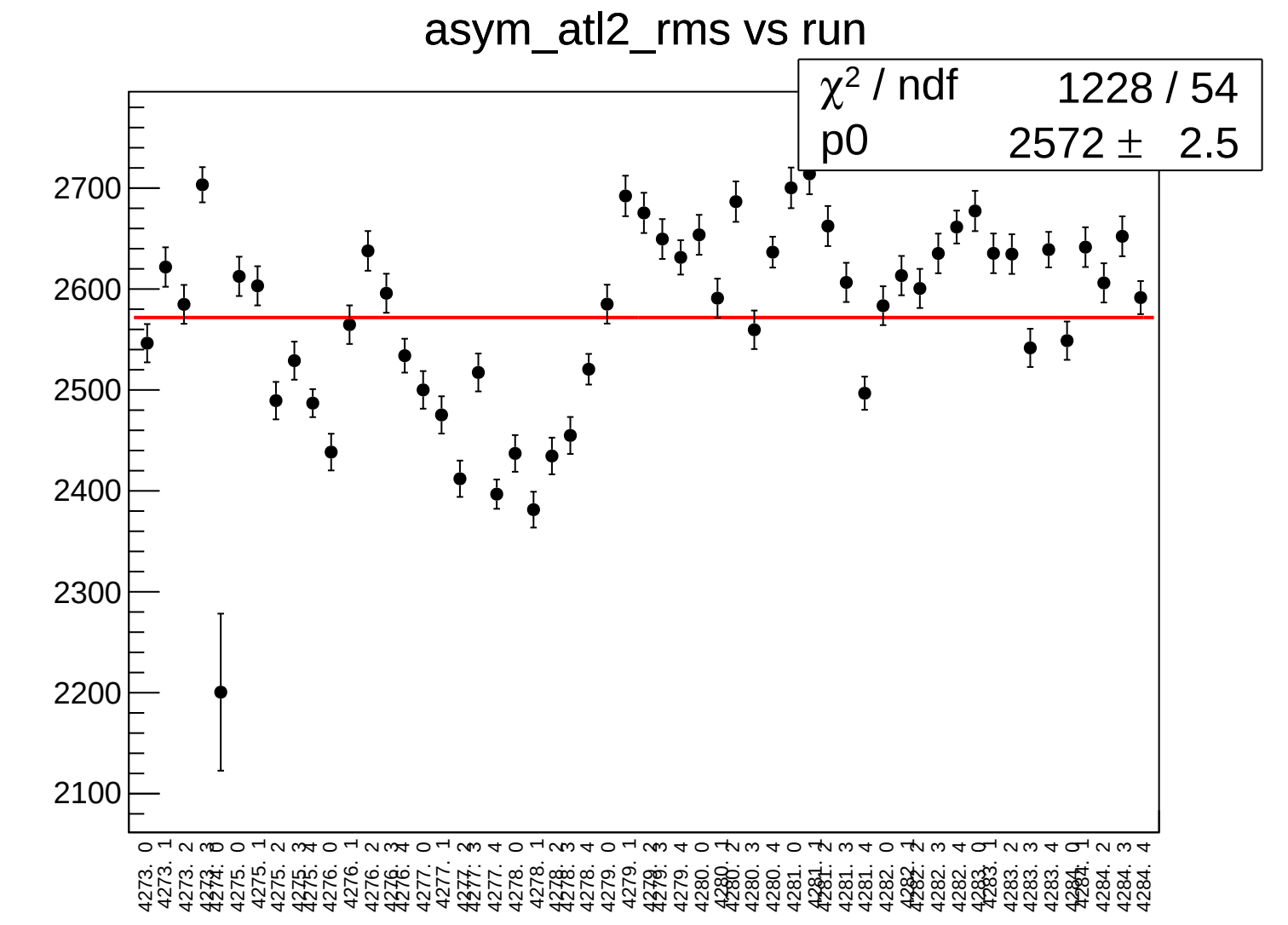
4284. 4


asym_atl2_mean vs run
χ² / ndf 53.96 / 54
p0 −1752 ± 3536
×10³
pull
Entries 55
Mean 360
Std Dev 326.6


pull1D
Entries 55
Mean −0.006019
Std Dev 0.9905


asym_atl2_rms vs run
χ² / ndf 1228 / 54
p0 2572 ± 2.5
2700
2600
2500
2400
2300
2200
2100
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
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4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 3
4283. 4
4284. 0
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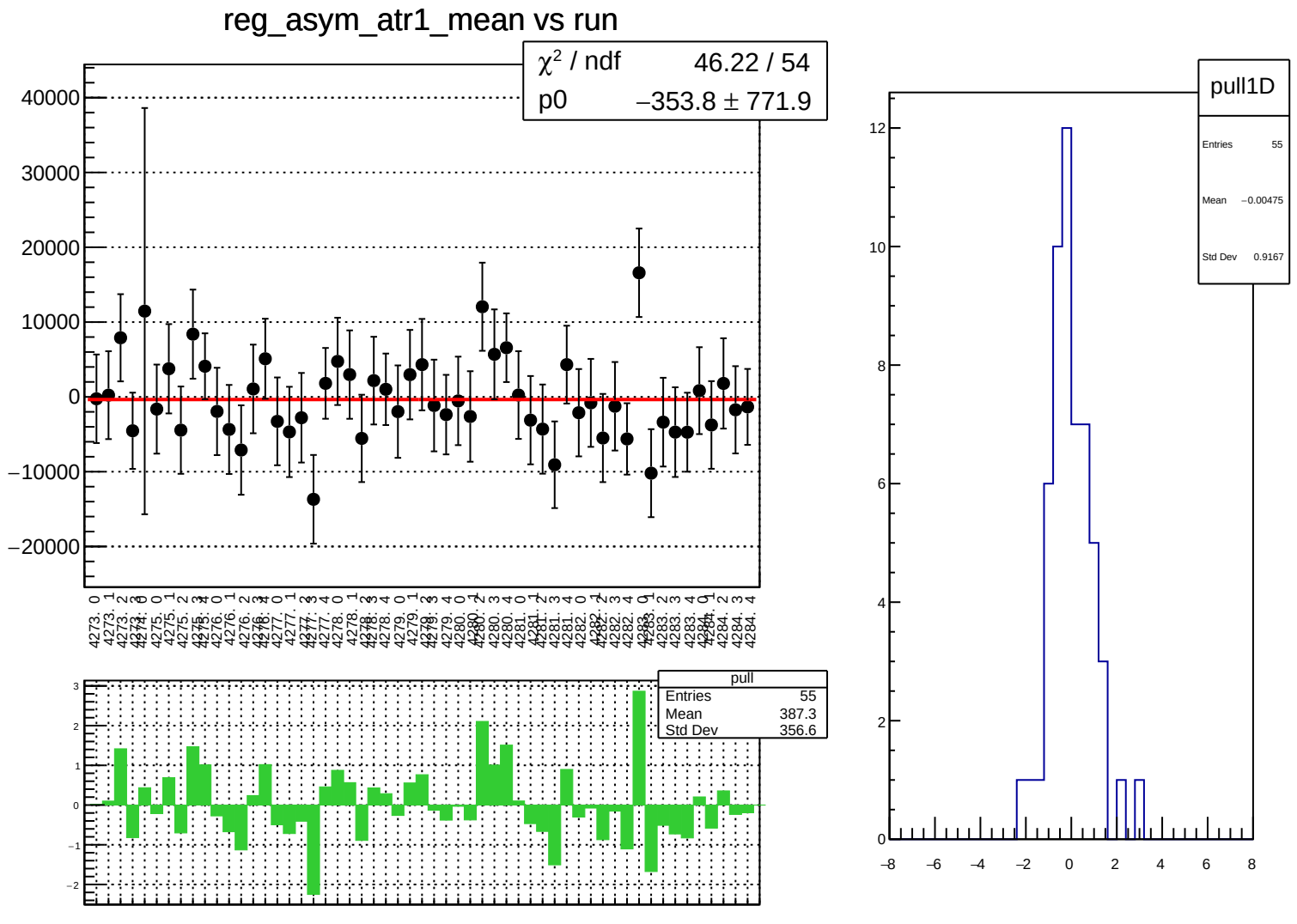
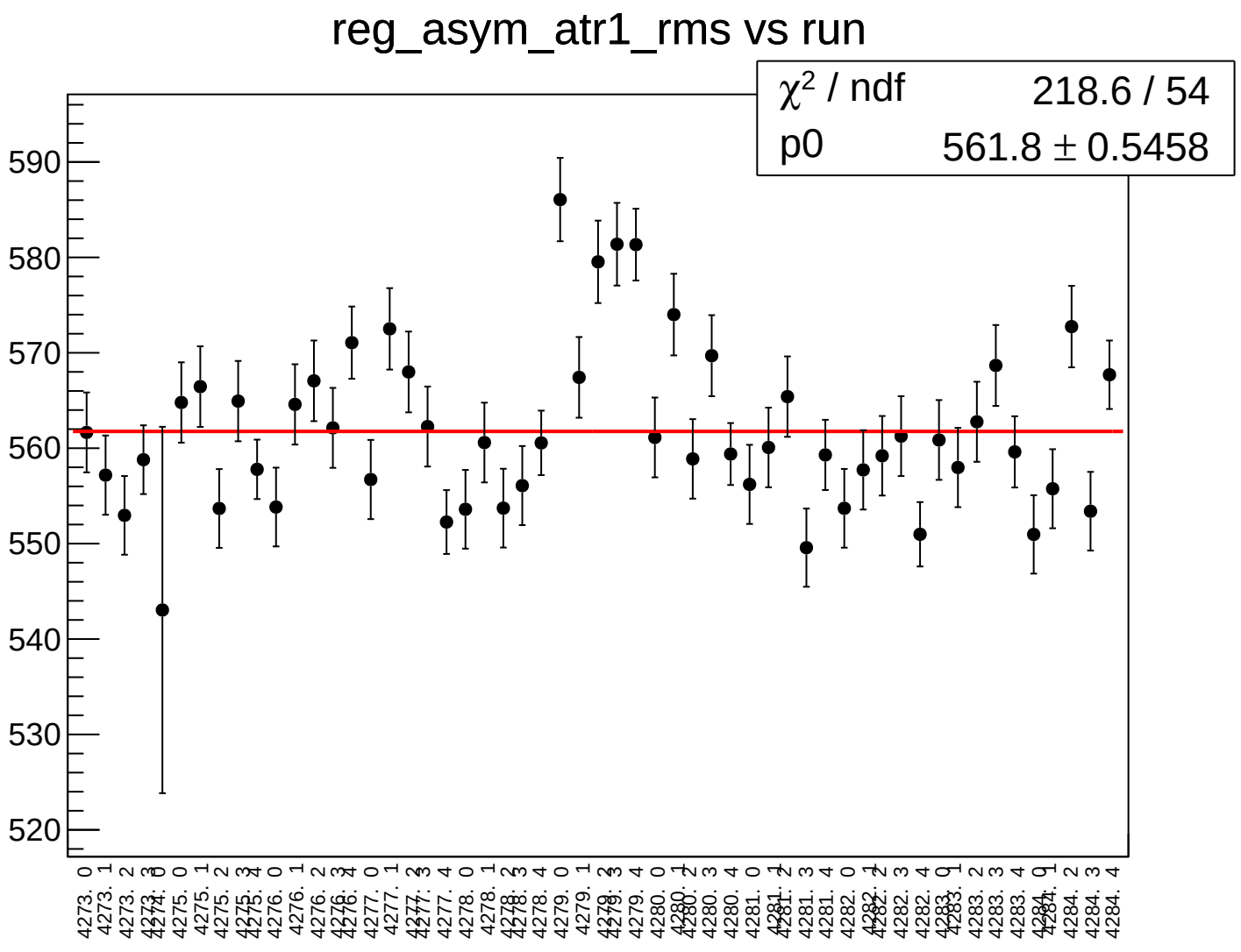
4284. 3
4284. 4


reg_asym_atr1_mean vs run
χ² / ndf 46.22 / 54
p0 −353.8 ± 771.9
pull
Entries 55
Mean 387.3
Std Dev 356.6
pull1D
Entries 55
Mean −0.00475
Std Dev 0.9167


reg_asym_atr1_rms vs run
χ² / ndf 218.6 / 54
p0 561.8 ± 0.5458
590
580
570
560
550
540
530
520
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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4283. 4
4284. 0
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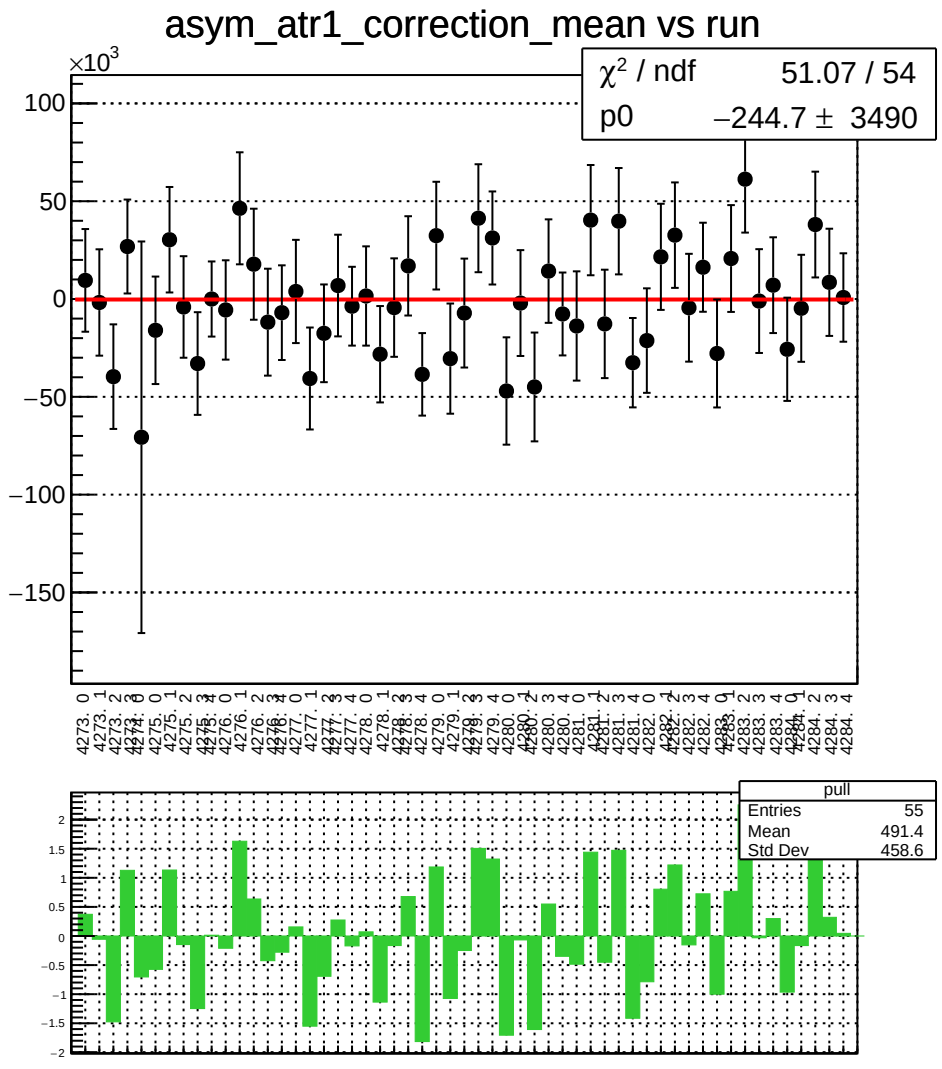
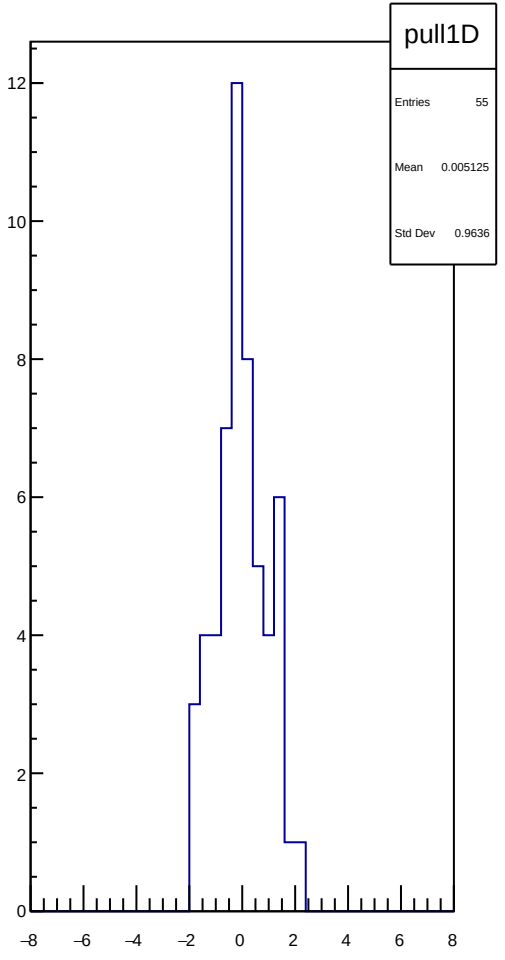
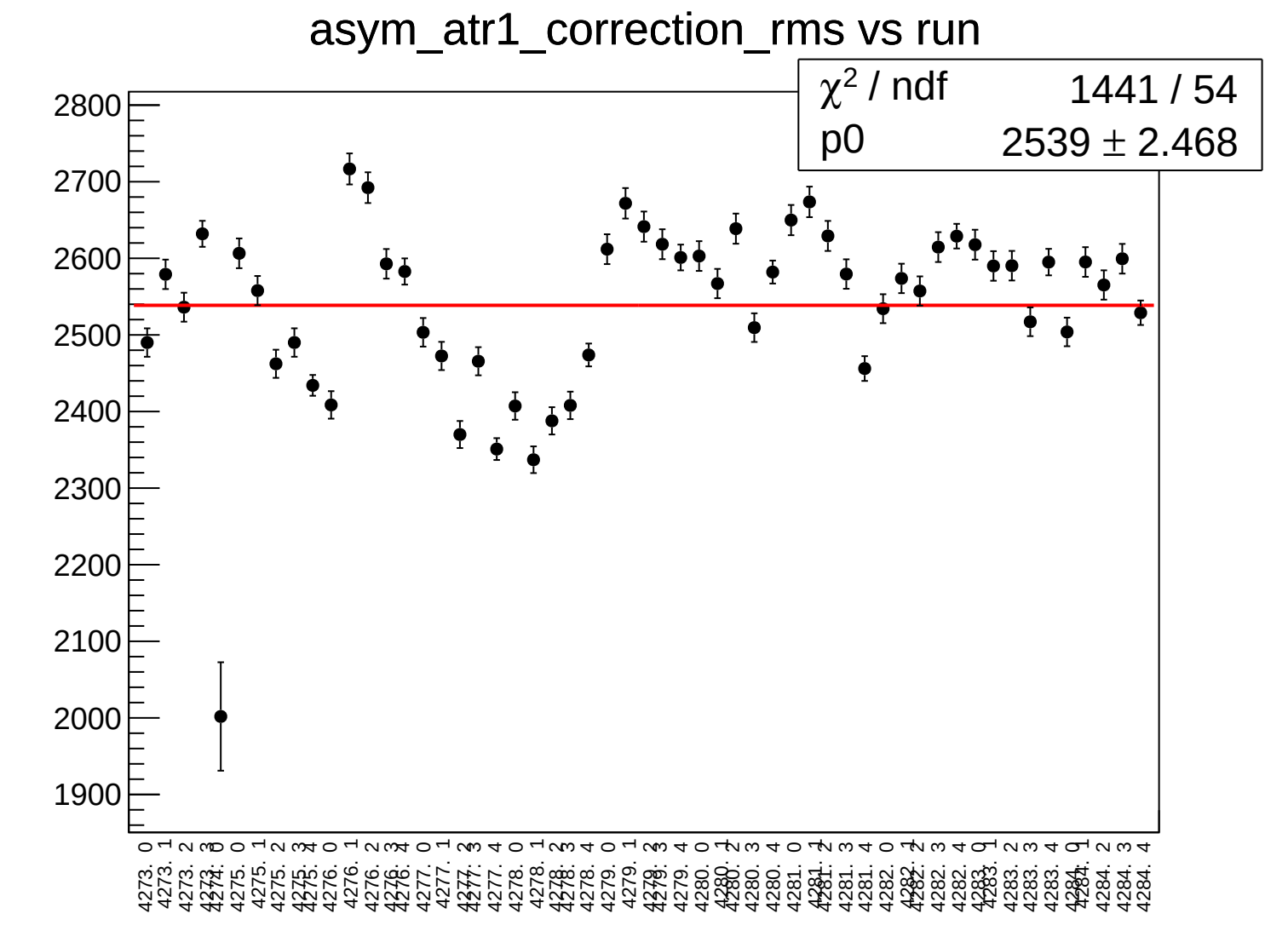
4284. 2
4284. 3
4284. 4


asym_atr1_correction_mean vs run
×10^3
χ² / ndf 51.07 / 54
p0 −244.7 ± 3490
100
50
0
−50
−100
−150
pull
Entries 55
Mean 491.4
Std Dev 458.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean 0.005125
Std Dev 0.9636
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_correction_rms vs run
χ² / ndf 1441 / 54
p0 2539 ± 2.468
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4277. 0
4277. 1
4277. 2
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4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 2
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4280. 4
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4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
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4282. 2
4282. 3
4282. 4
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4283. 2
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4283. 4
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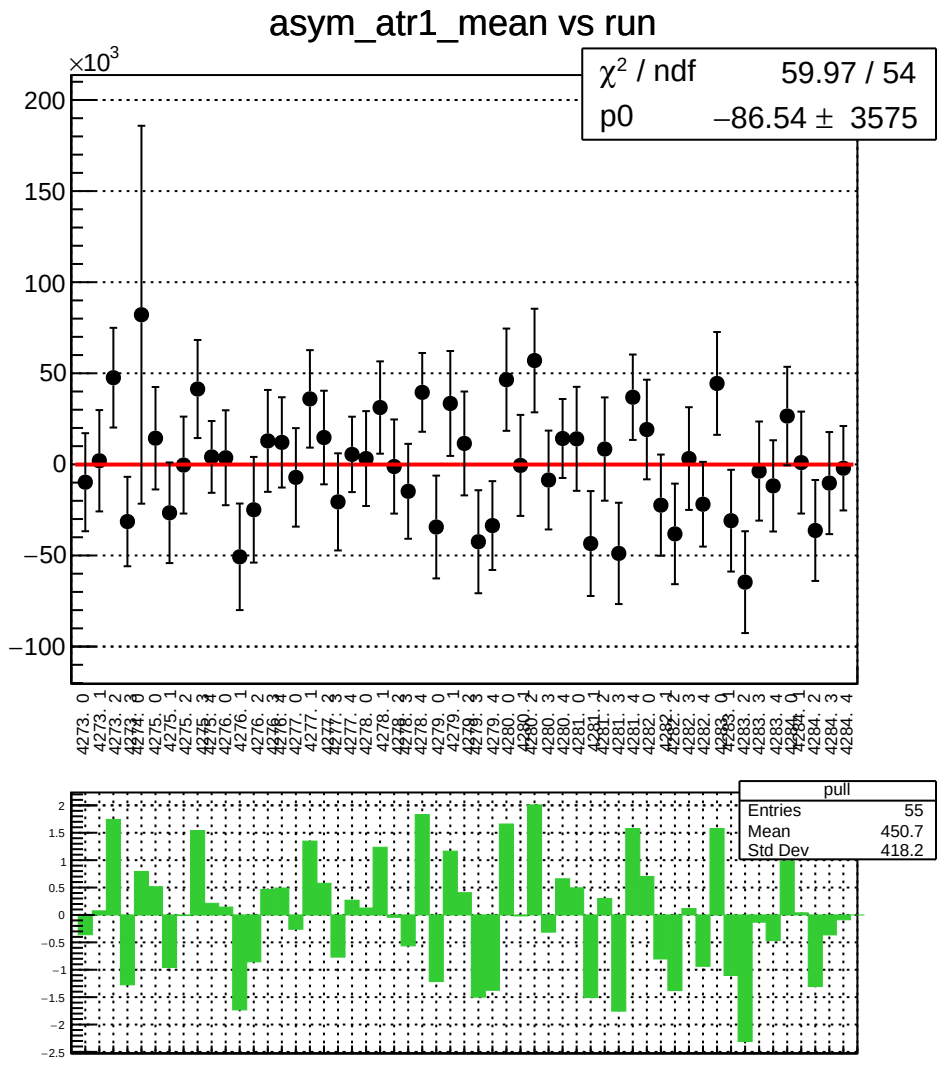
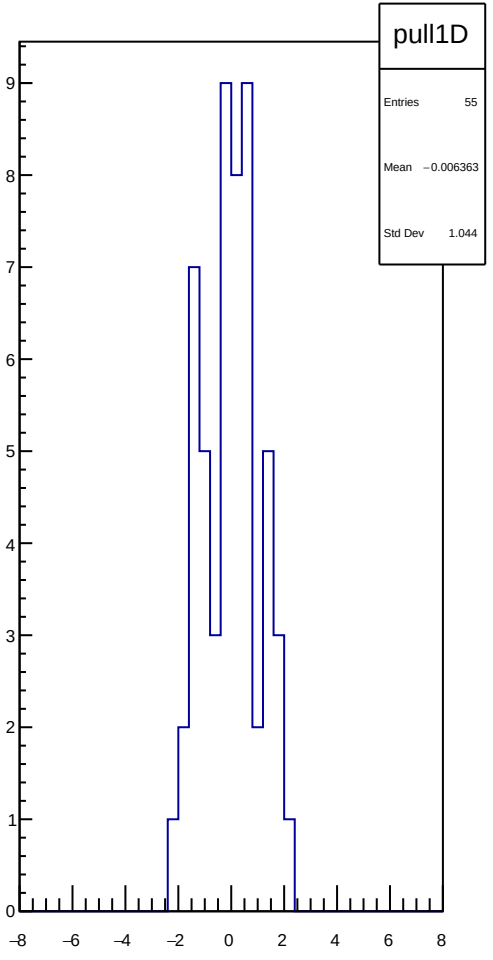
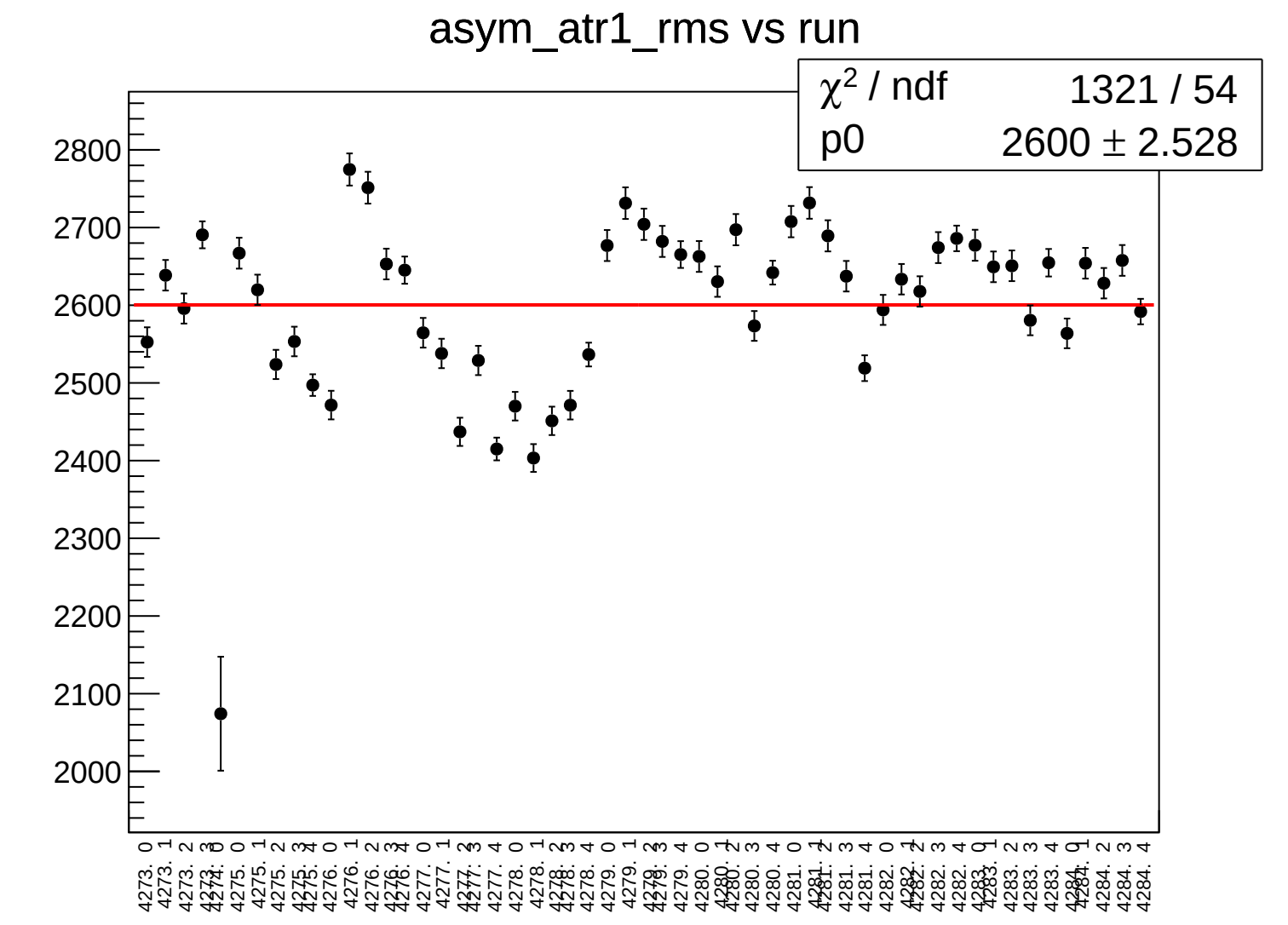
4284. 2
4284. 3
4284. 4


asym_atr1_mean vs run
×10^3
χ² / ndf 59.97 / 54
p0 −86.54 ± 3575
200
150
100
50
0
−50
−100
pull
Entries 55
Mean 450.7
Std Dev 418.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 55
Mean −0.006363
Std Dev 1.044
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_rms vs run
χ^2 / ndf 1321 / 54
p0 2600 ± 2.528
2800
2700
2600
2500
2400
2300
2200
2100
2000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 2
4280. 3
4280. 4
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4281. 2
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4282. 2
4282. 3
4282. 4
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4283. 2
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4283. 4
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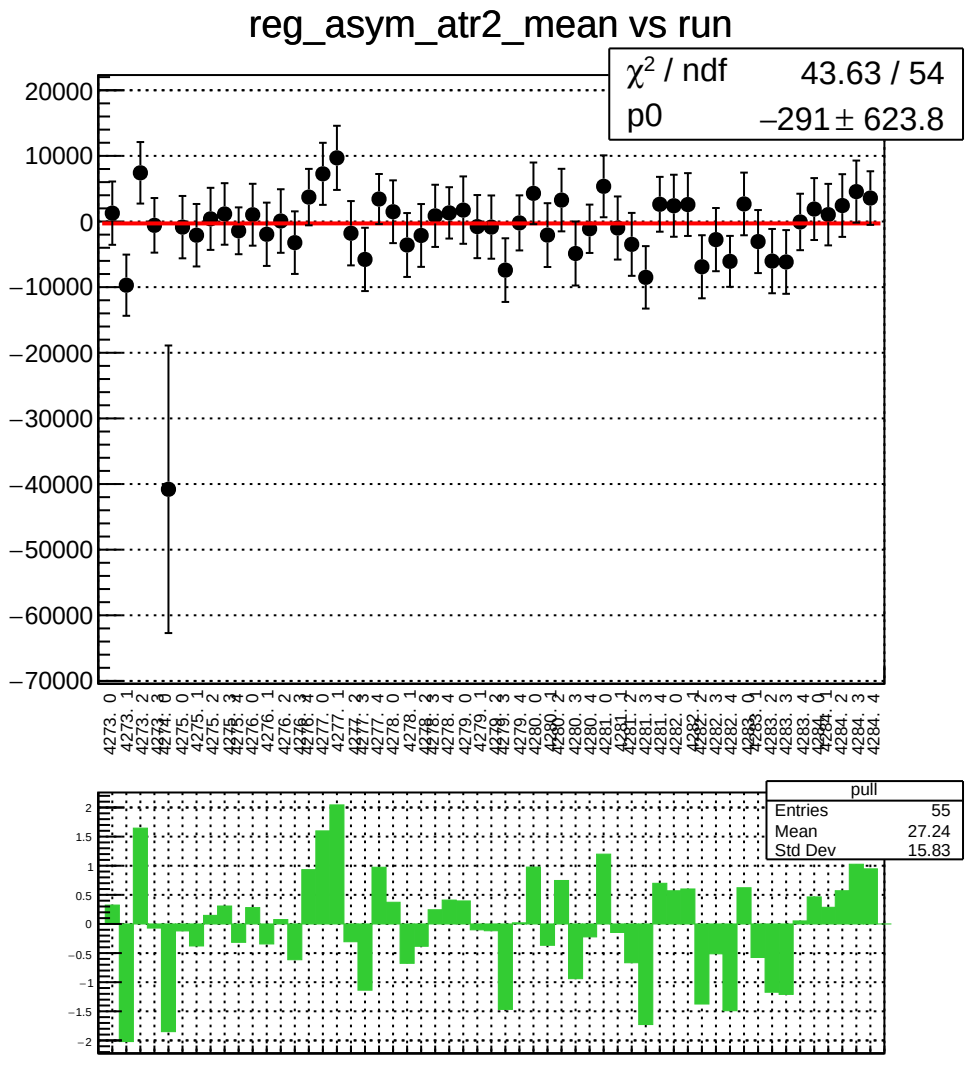
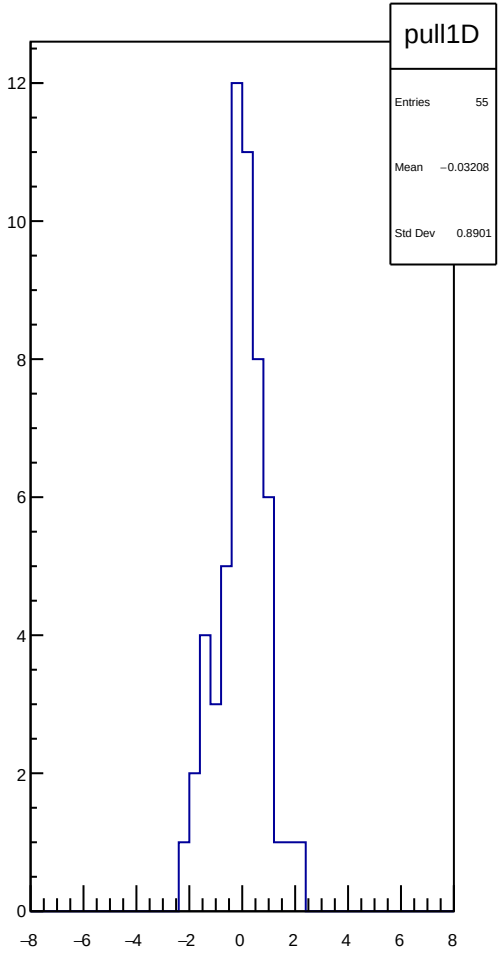
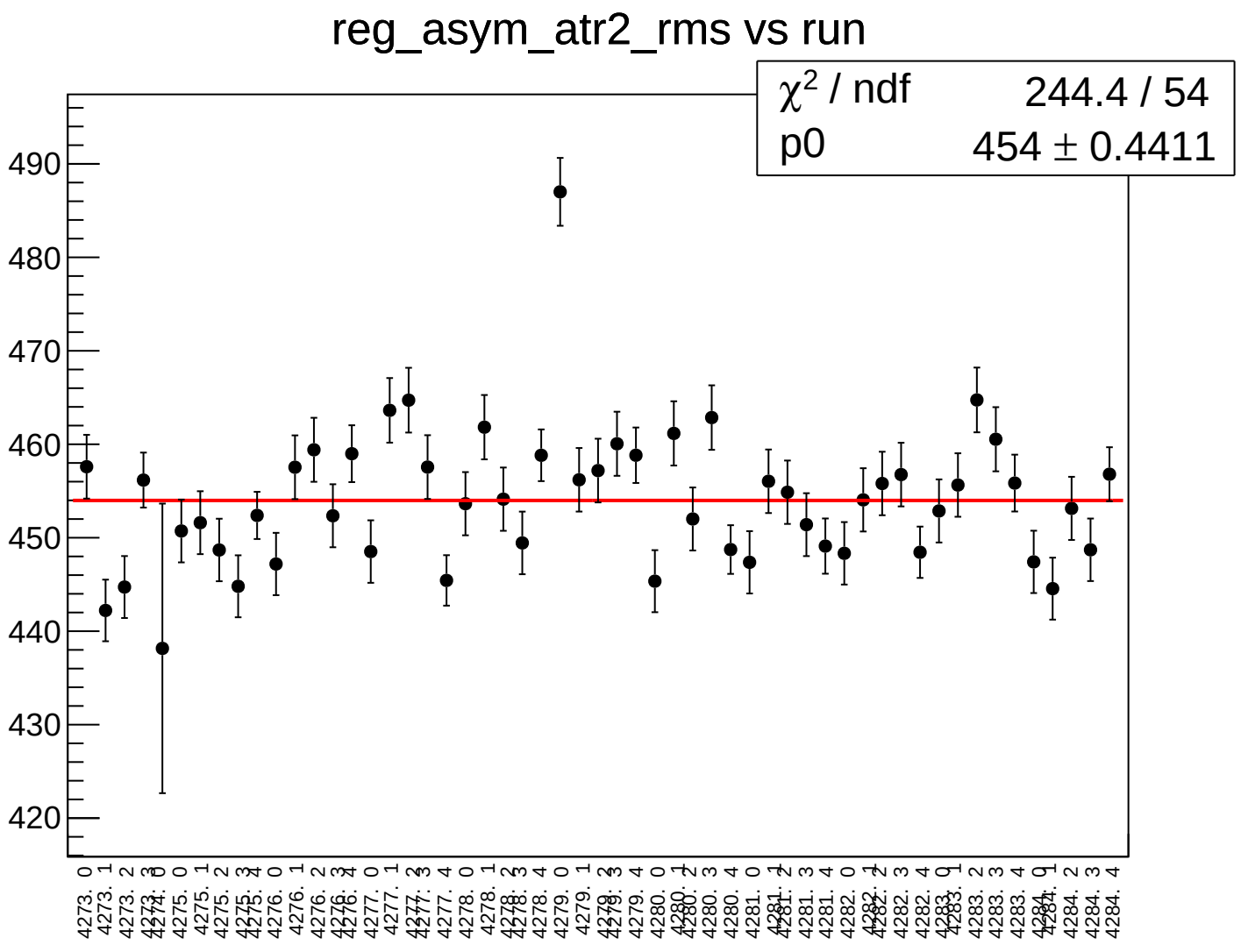
4284. 3
4284. 4


reg_asym_atr2_mean vs run
χ² / ndf 43.63 / 54
p0 −291 ± 623.8
pull
Entries 55
Mean 27.24
Std Dev 15.83


pull1D
Entries 55
Mean −0.03208
Std Dev 0.8901


reg_asym_atr2_rms vs run
χ² / ndf 244.4 / 54
p0 454 ± 0.4411
490
480
470
460
450
440
430
420
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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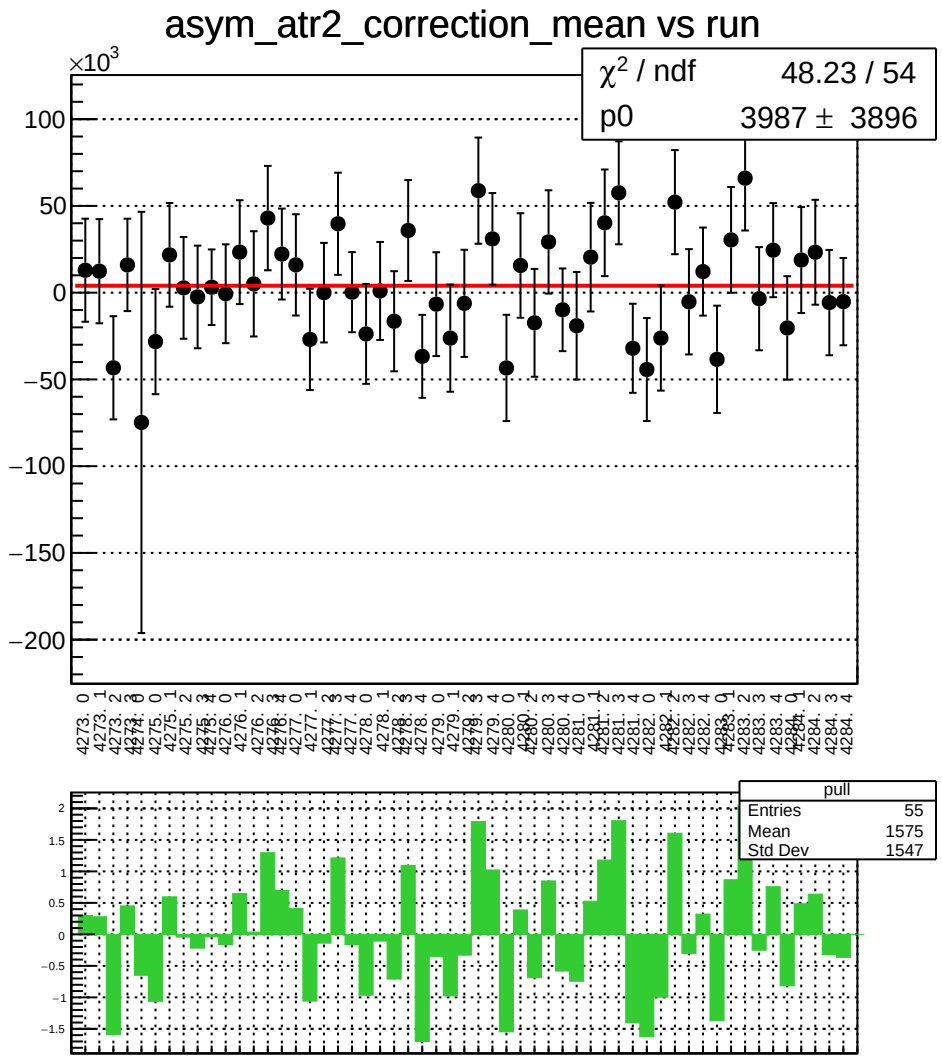
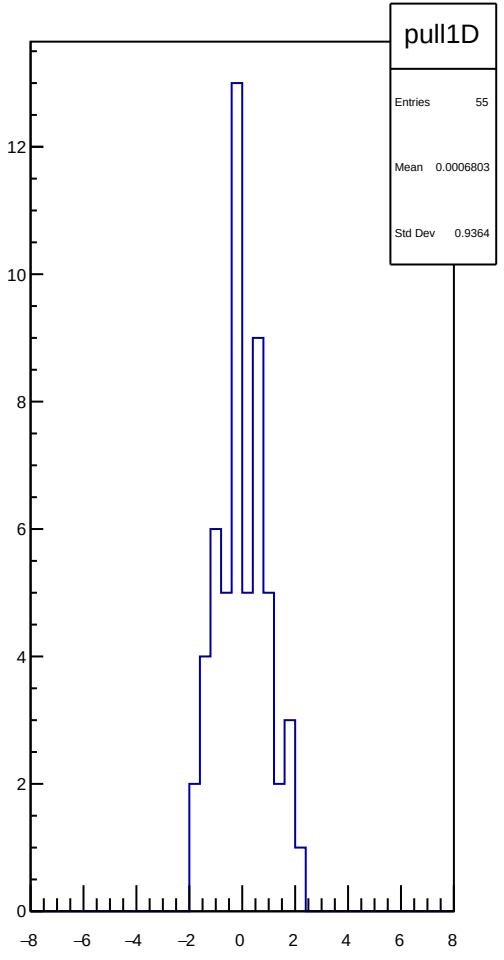
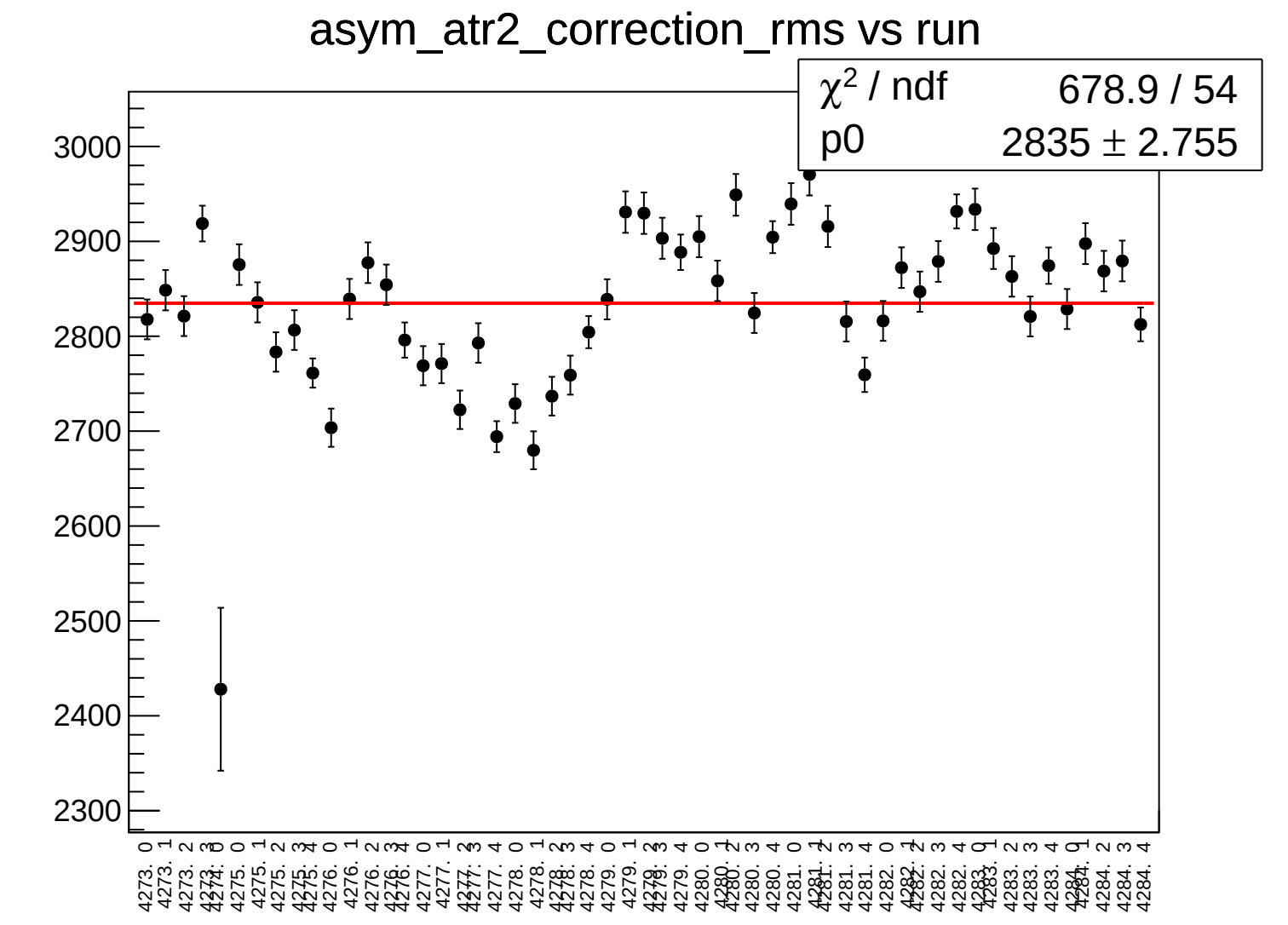
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_atr2_correction_mean vs run
×10^3
χ^2 / ndf 48.23 / 54
p0 3987 ± 3896
pull
Entries 55
Mean 1575
Std Dev 1547


pull1D
Entries 55
Mean 0.0006803
Std Dev 0.9364


asym_atr2_correction_rms vs run
χ² / ndf 678.9 / 54
p0 2835 ± 2.755
3000
2900
2800
2700
2600
2500
2400
2300
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
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4277. 4
4278. 0
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4278. 2
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4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
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4280. 4
4281. 0
4281. 1
4281. 2
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4281. 4
4282. 0
4282. 1
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4282. 3
4282. 4
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4283. 4
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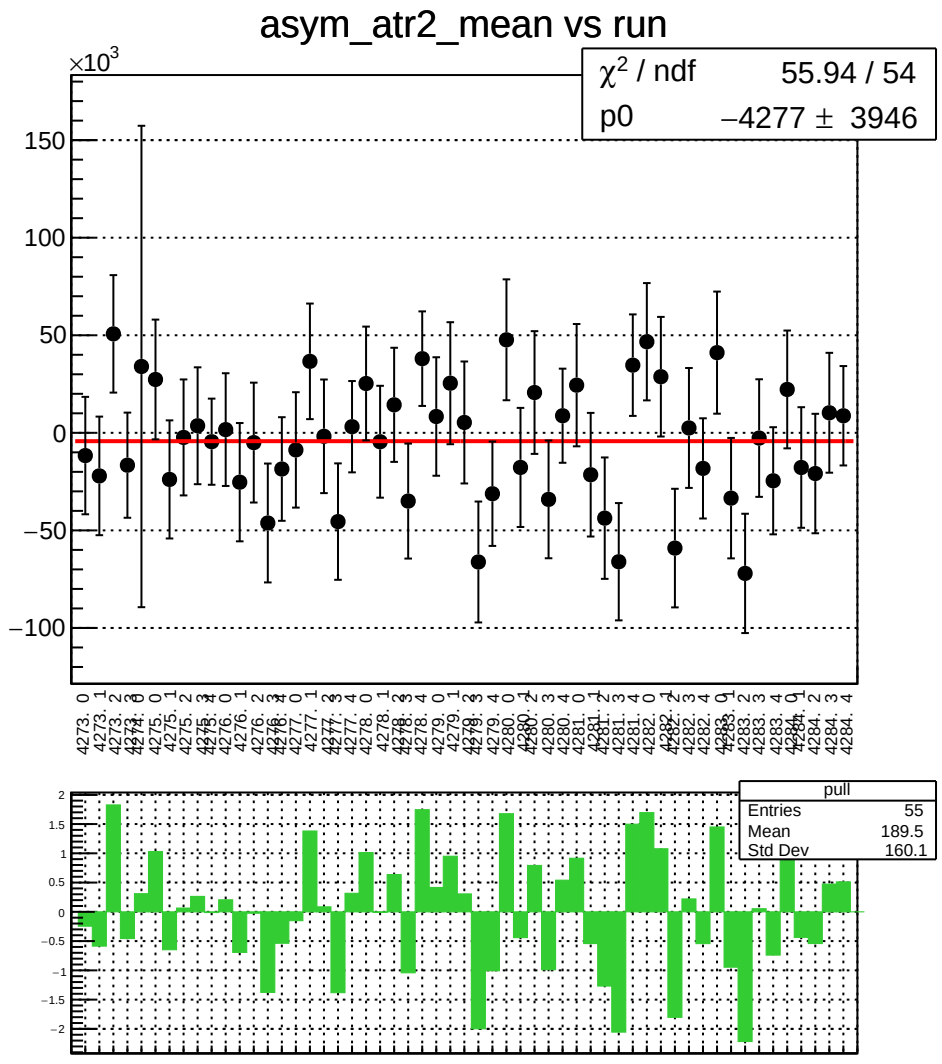
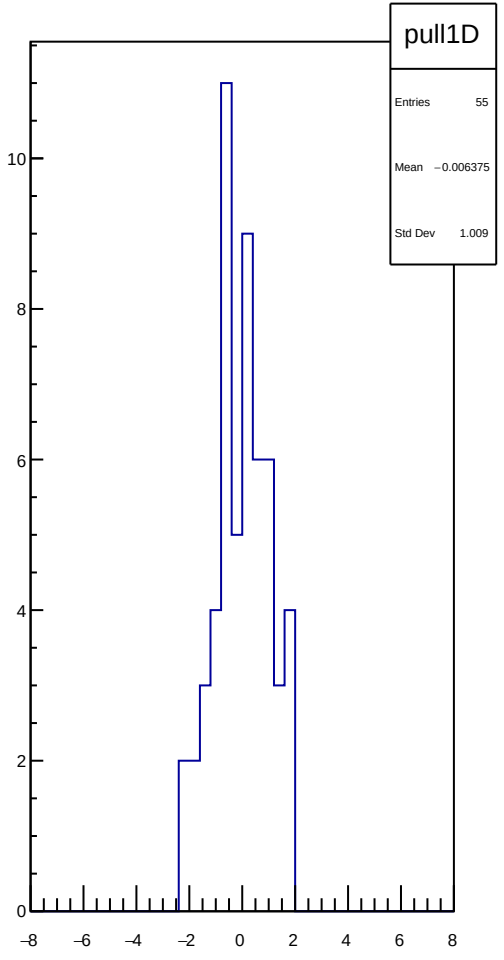
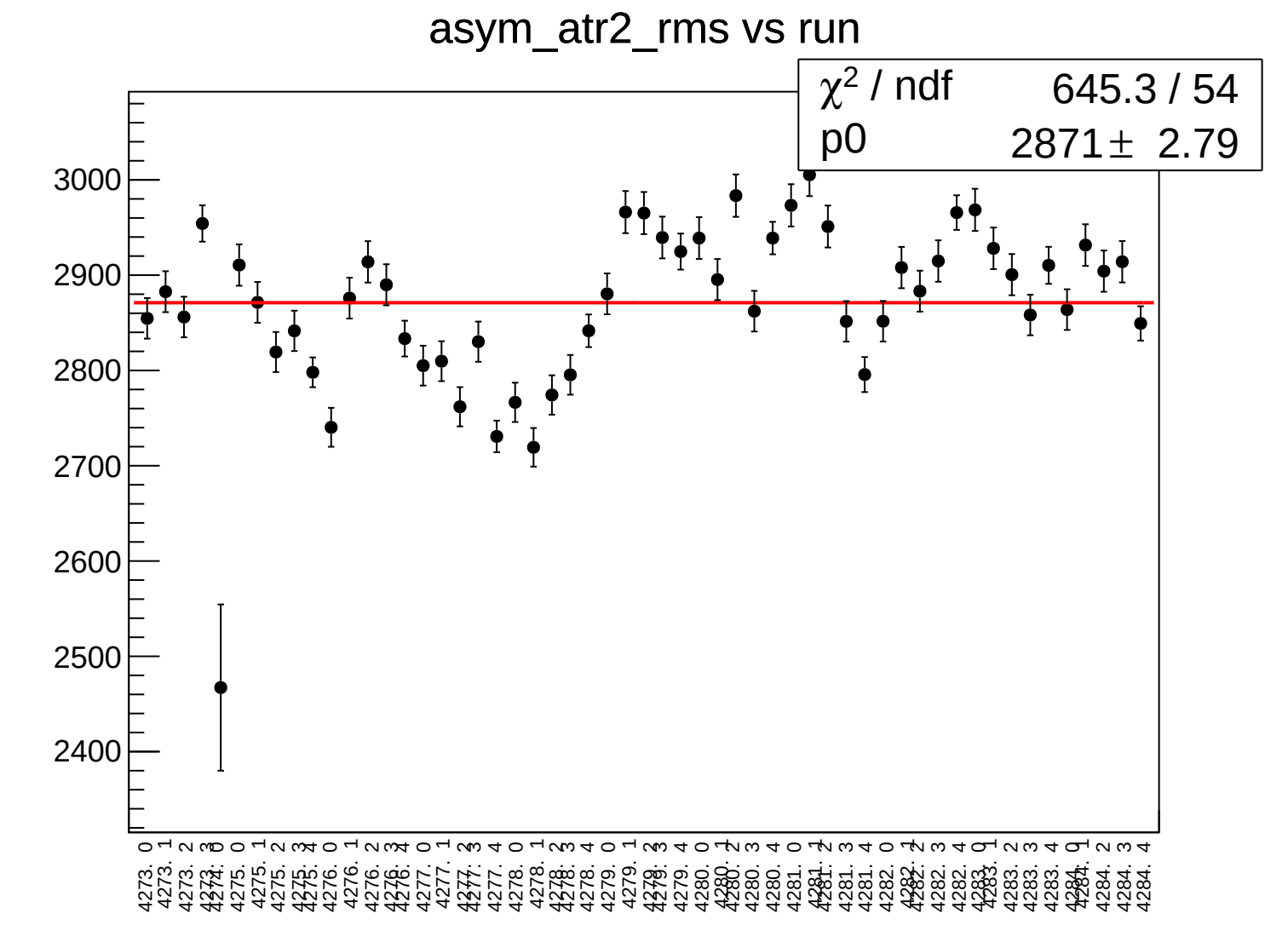
4284. 1
4284. 2
4284. 3
4284. 4


asym_atr2_mean vs run
×10^3
χ² / ndf 55.94 / 54
p0 −4277 ± 3946
150
100
50
0
−50
−100
pull
Entries 55
Mean 189.5
Std Dev 160.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.006375
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_rms vs run
χ² / ndf 645.3 / 54
p0 2871 ± 2.79
3000
2900
2800
2700
2600
2500
2400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
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4275. 4
4276. 0
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4276. 2
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
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4279. 2
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4284. 1
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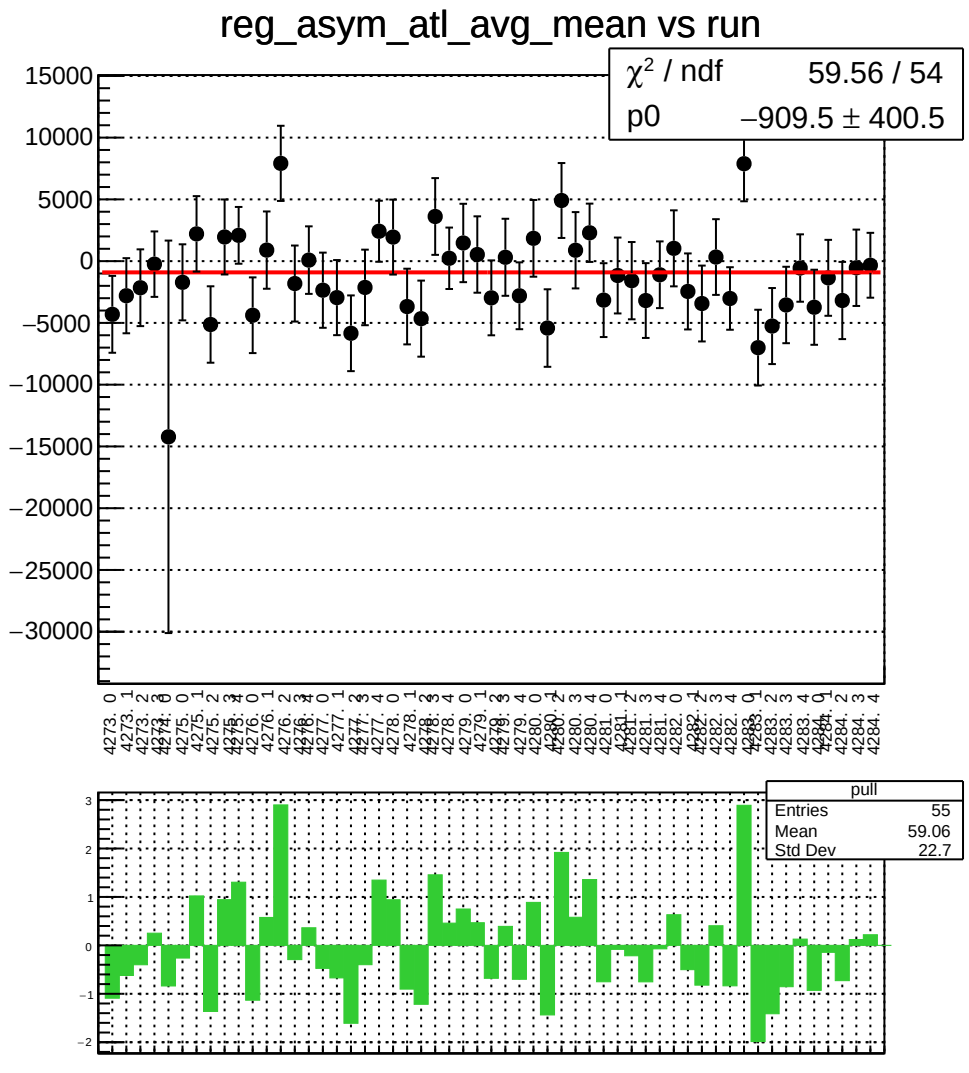
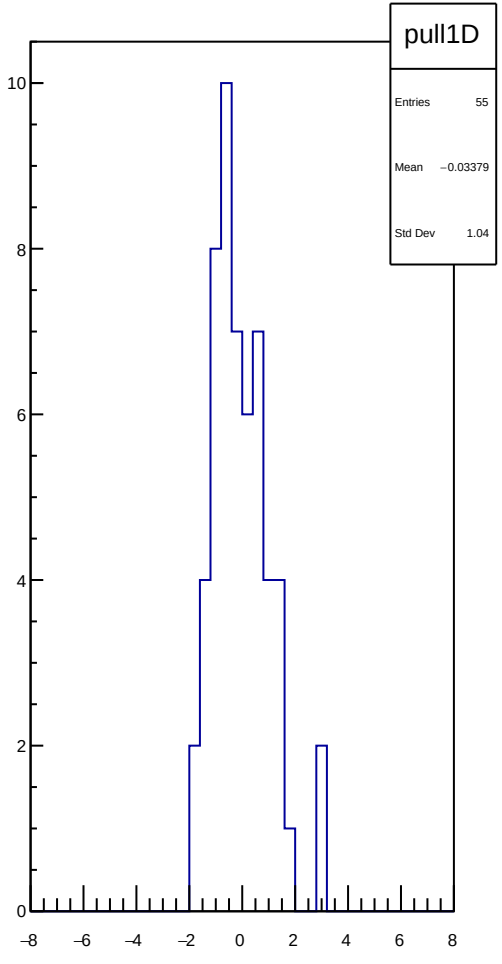
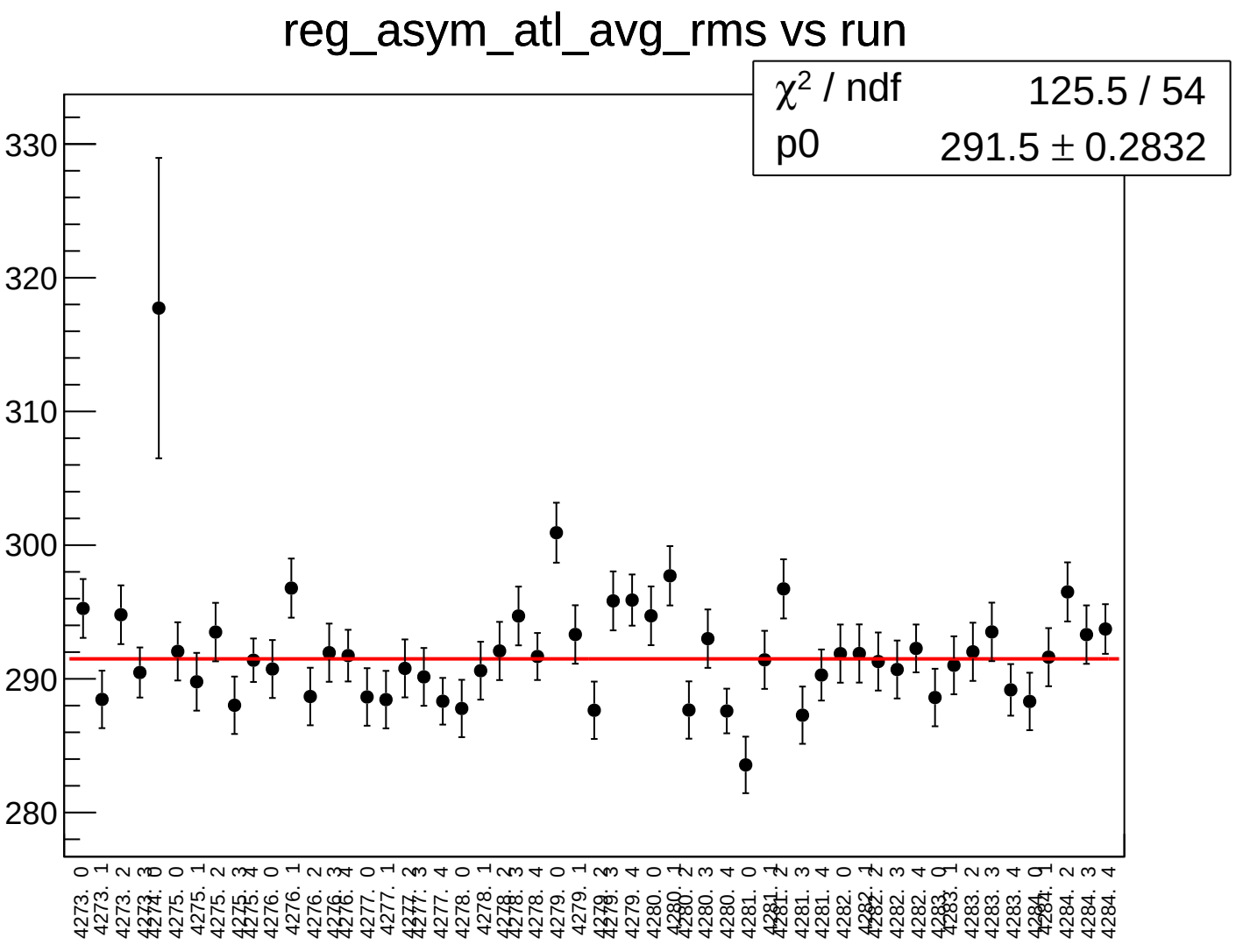
4284. 3
4284. 4


reg_asym_atl_avg_mean vs run
χ² / ndf 59.56 / 54
p0 −909.5 ± 400.5
pull
Entries 55
Mean 59.06
Std Dev 22.7


pull1D
Entries 55
Mean −0.03379
Std Dev 1.04


reg_asym_atl_avg_rms vs run
χ² / ndf 125.5 / 54
p0 291.5 ± 0.2832
330
320
310
300
290
280
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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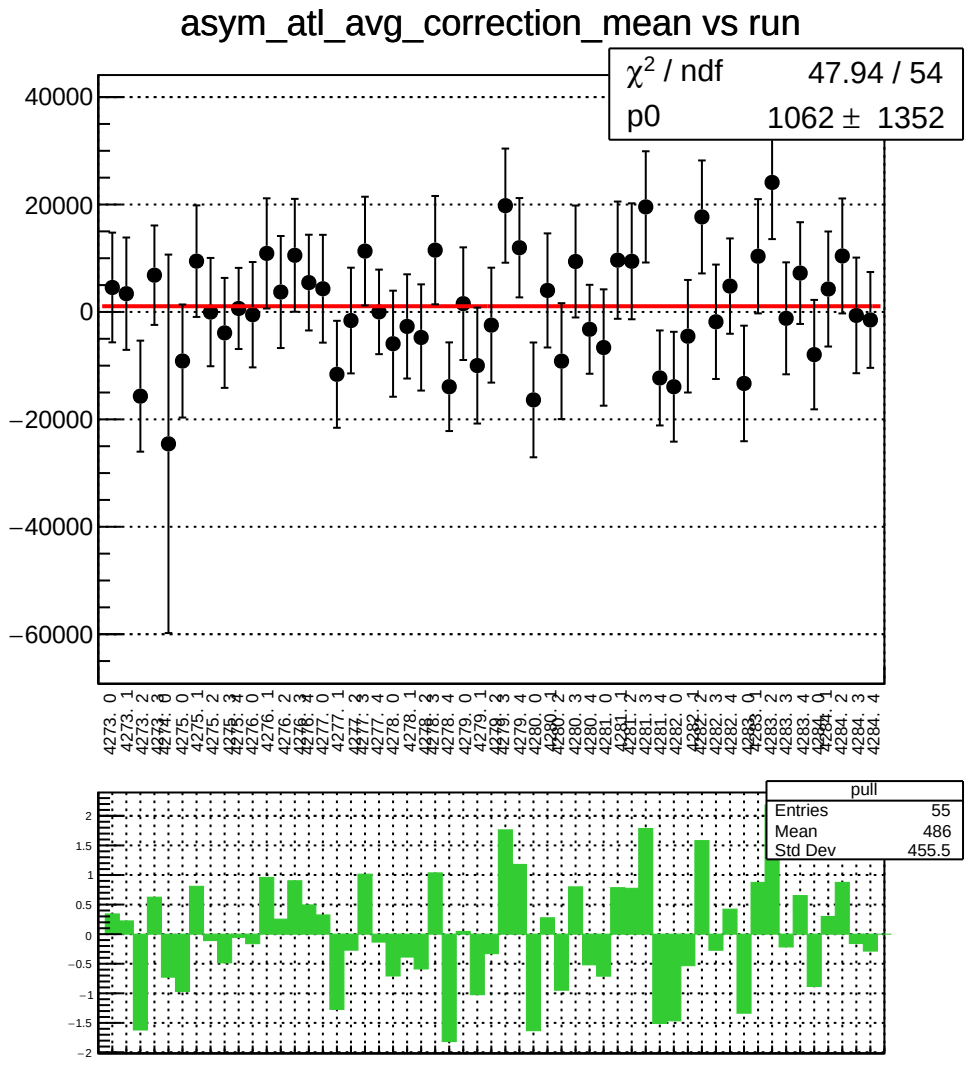
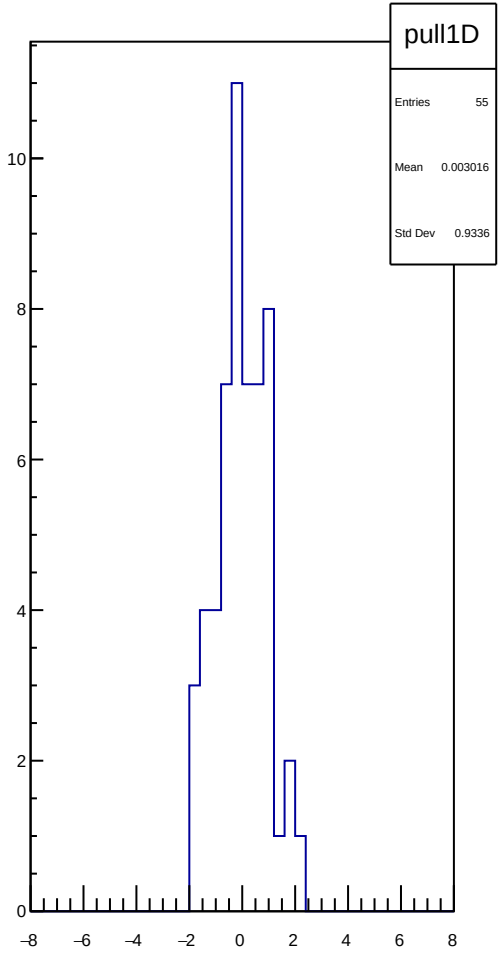
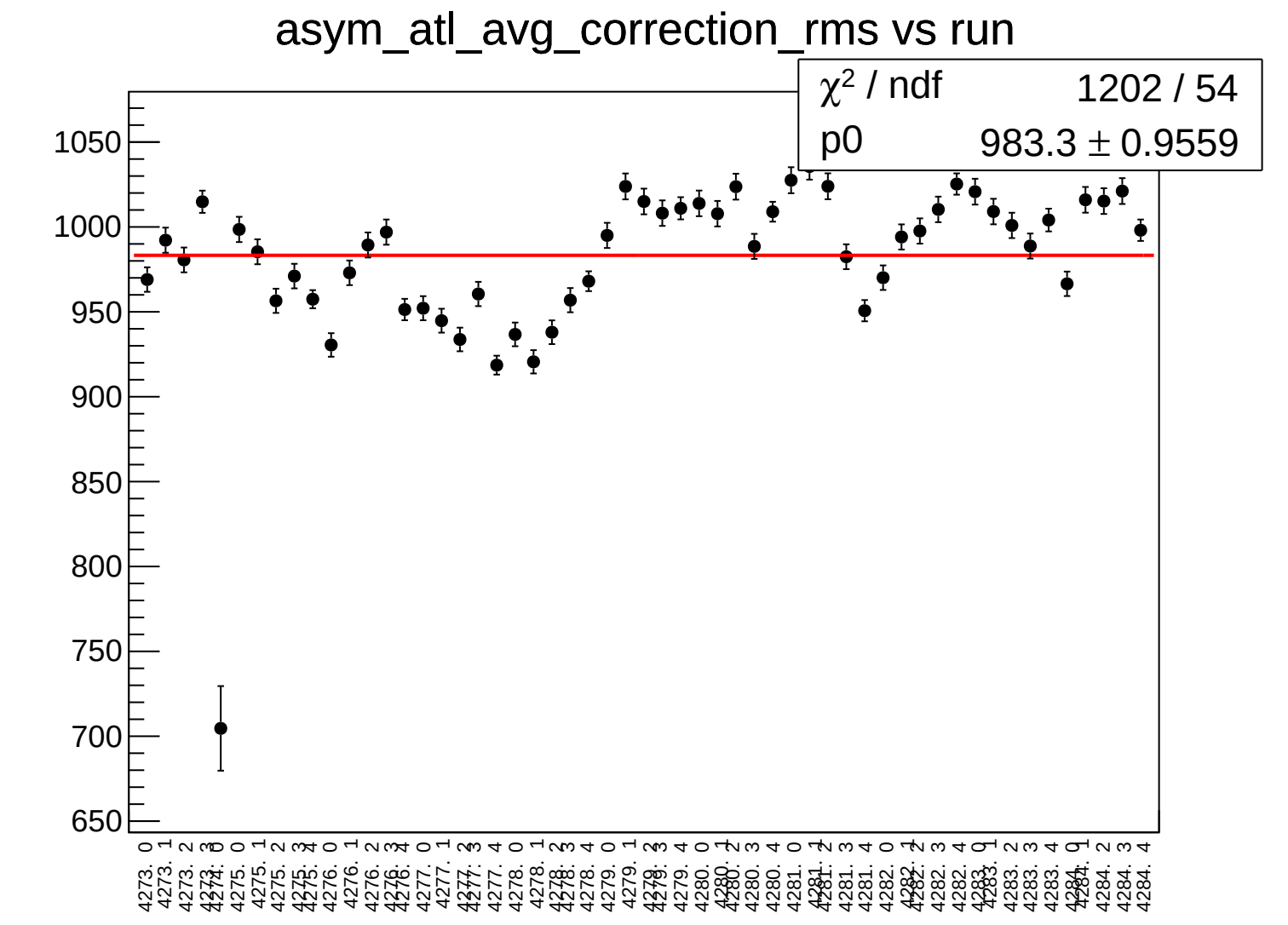
4284. 4


asym_atl_avg_correction_mean vs run
χ² / ndf 47.94 / 54
p0 1062 ± 1352
pull
Entries 55
Mean 486
Std Dev 455.5


pull1D
Entries 55
Mean 0.003016
Std Dev 0.9336


asym_atl_avg_correction_rms vs run
χ² / ndf 1202 / 54
p0 983.3 ± 0.9559
1050
1000
950
900
850
800
750
700
650
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4277. 0
4277. 1
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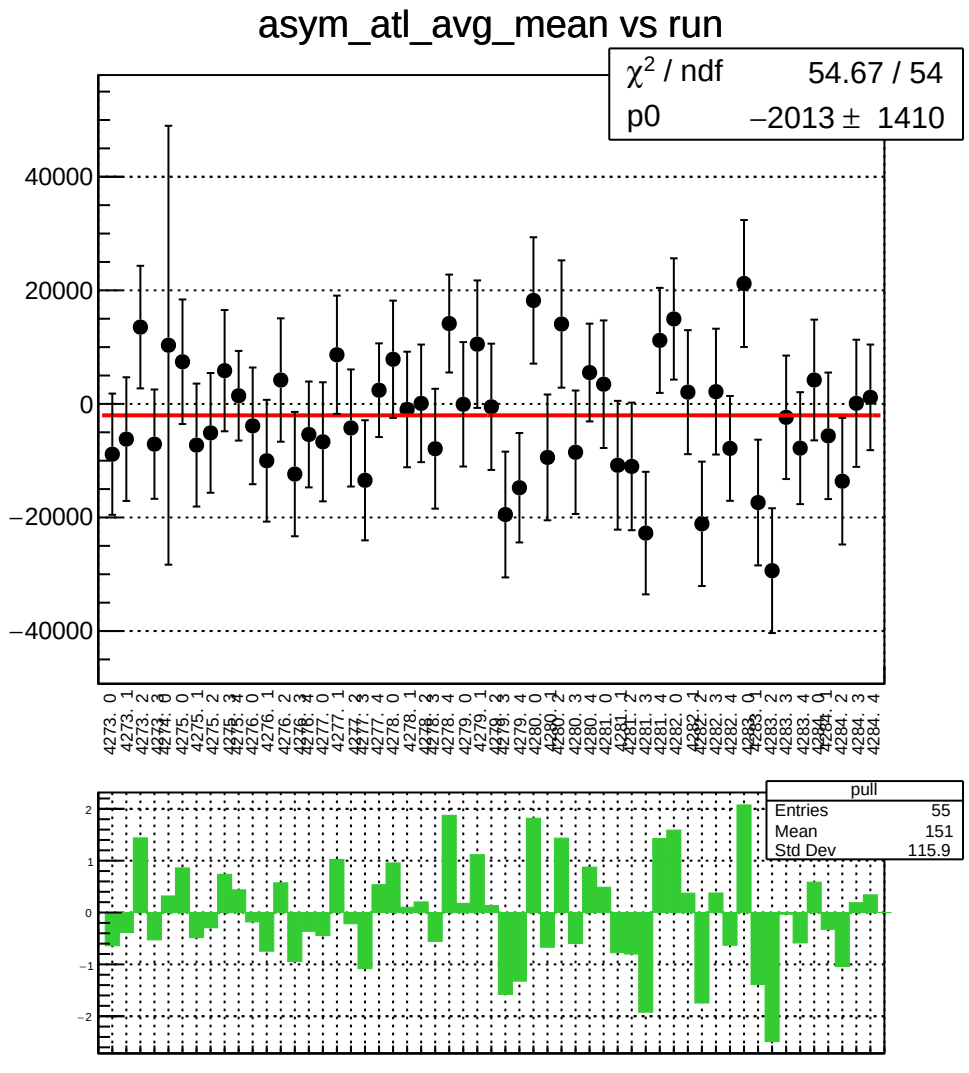
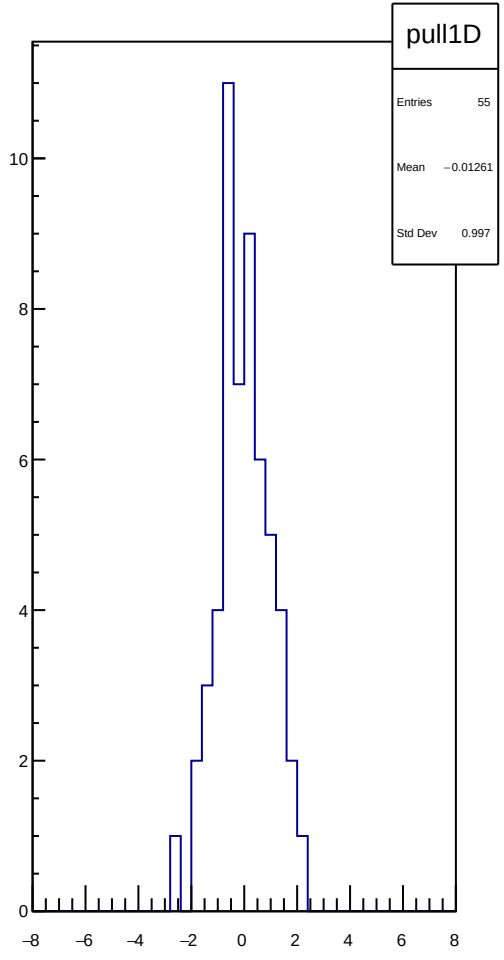
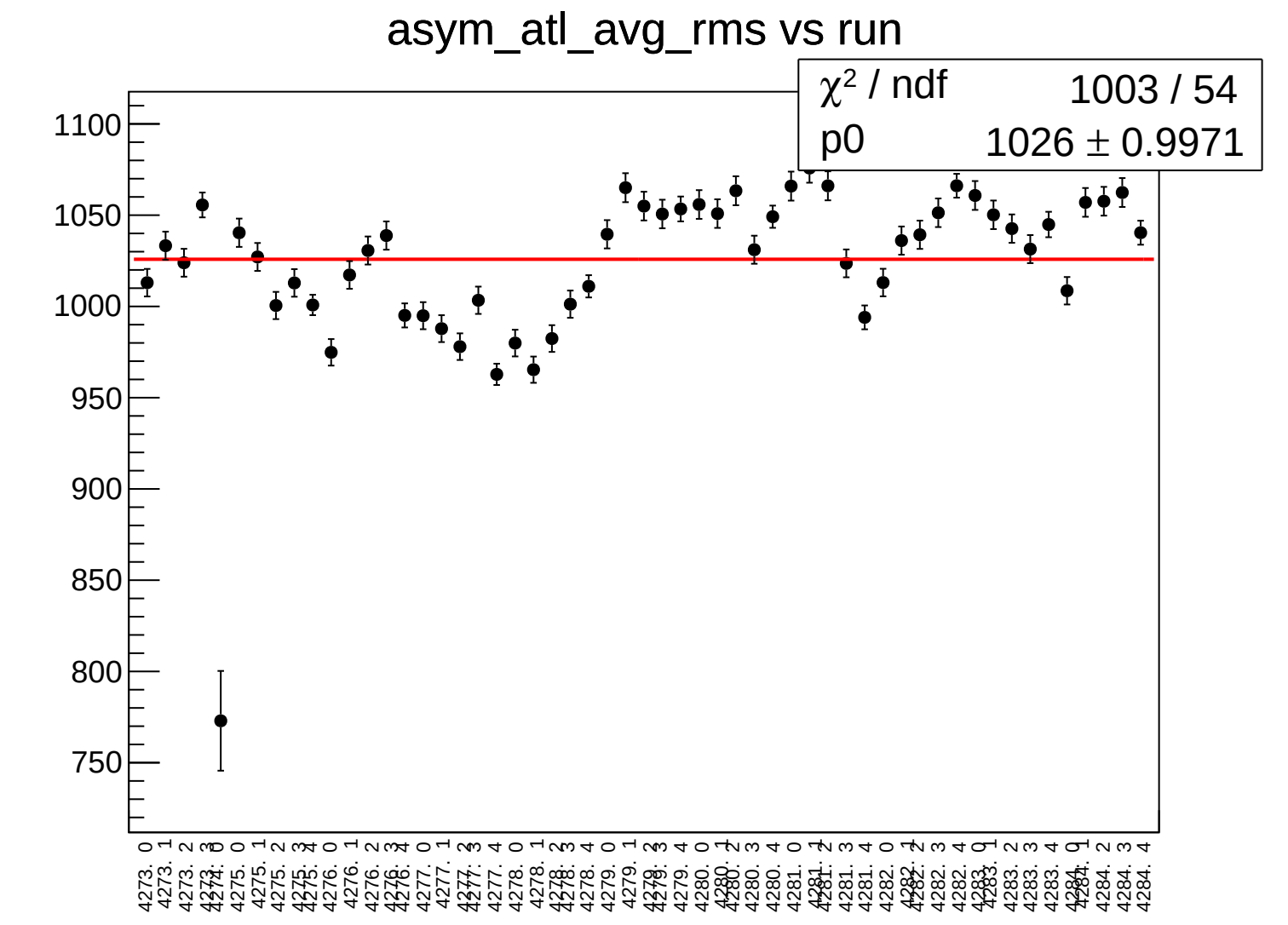
4284. 4


asym_atl_avg_mean vs run
χ² / ndf 54.67 / 54
p0 −2013 ± 1410
40000
20000
0
−20000
−40000
pull
Entries 55
Mean 151
Std Dev 115.9
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.01261
Std Dev 0.997
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_rms vs run
χ² / ndf 1003 / 54
p0 1026 ± 0.9971
1100
1050
1000
950
900
850
800
750
4273. 0
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4273. 2
4273. 3
4273. 4
4274. 0
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4275. 2
4275. 3
4275. 4
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4276. 2
4276. 3
4276. 4
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4277. 2
4277. 3
4277. 4
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4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 2
4281. 3
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4282. 2
4282. 3
4282. 4
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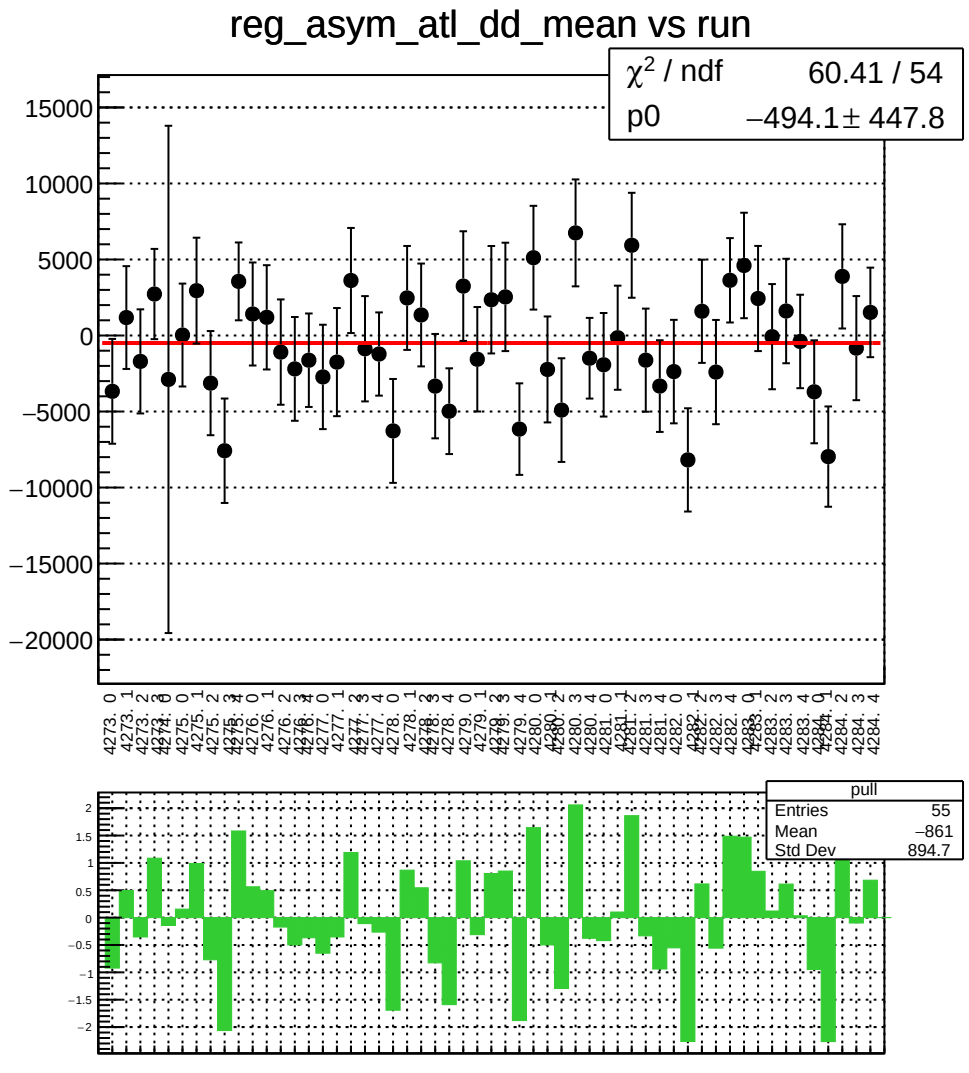
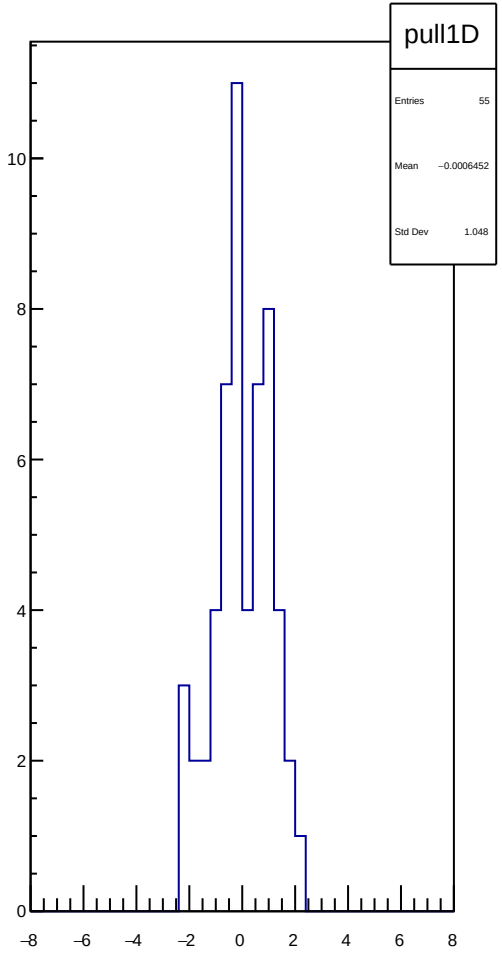
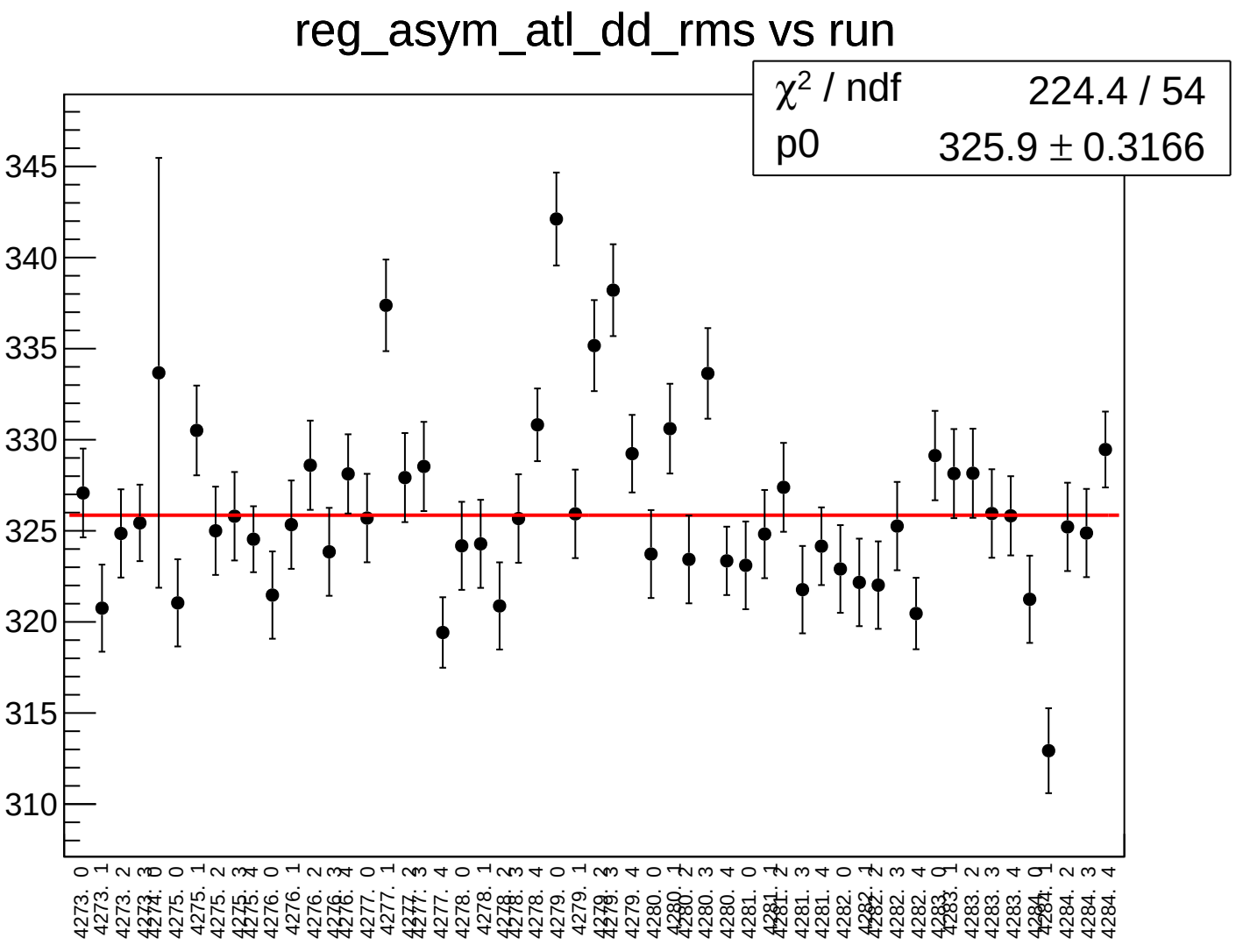
4284. 2
4284. 3
4284. 4


reg_asym_atl_dd_mean vs run
χ² / ndf 60.41 / 54
p0 −494.1 ± 447.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 55
Mean −861
Std Dev 894.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.0006452
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_rms vs run
χ² / ndf 224.4 / 54
p0 325.9 ± 0.3166
345
340
335
330
325
320
315
310
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
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4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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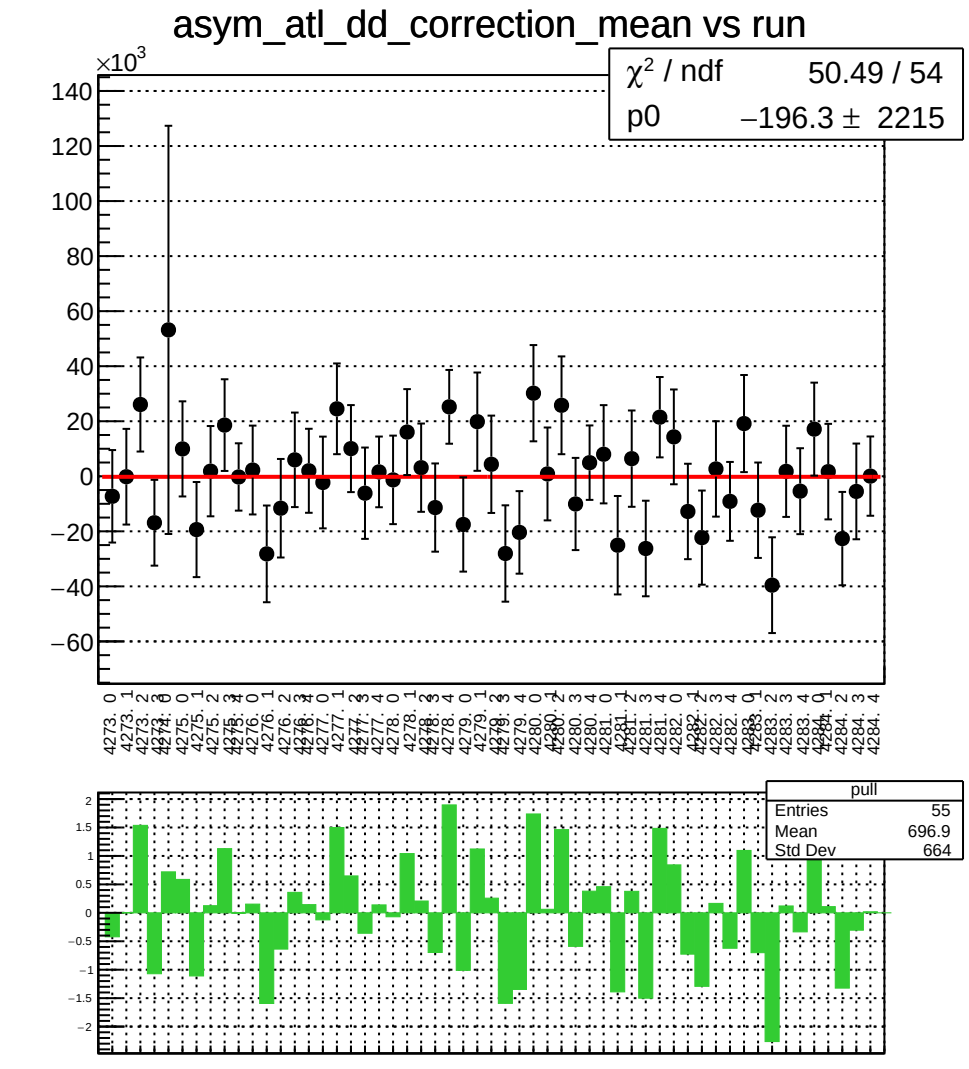
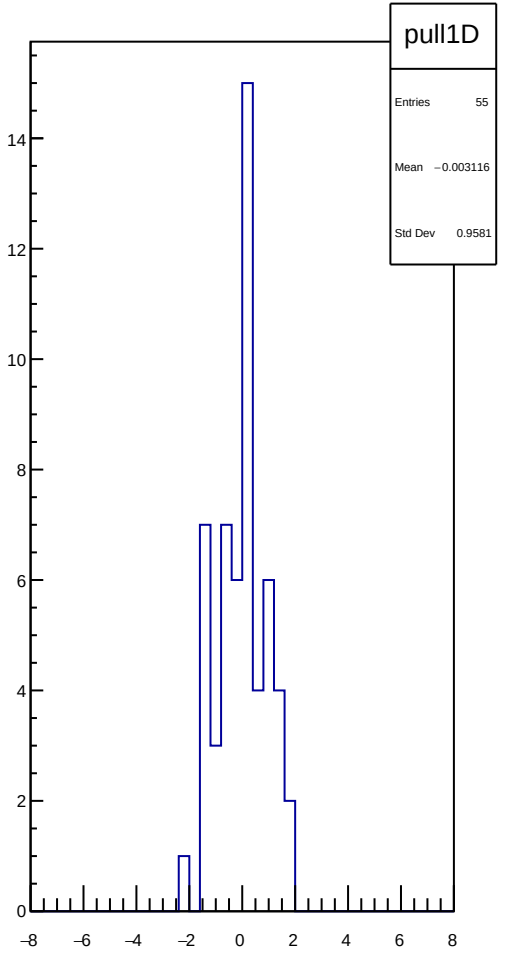
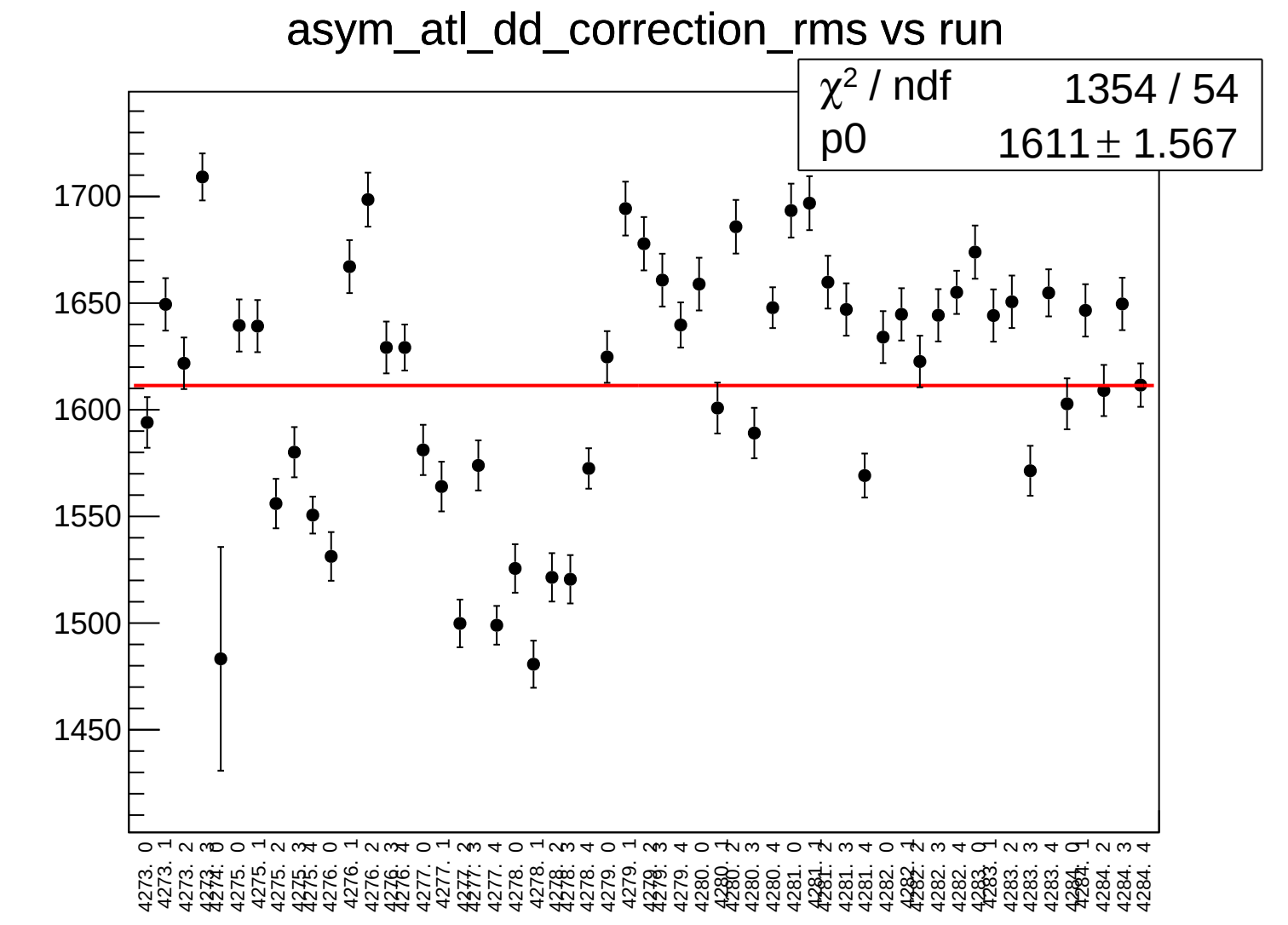
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 50.49 / 54
p0 −196.3 ± 2215
pull
Entries 55
Mean 696.9
Std Dev 664


pull1D
Entries 55
Mean −0.003116
Std Dev 0.9581


asym_atl_dd_correction_rms vs run
χ² / ndf 1354 / 54
p0 1611 ± 1.567
1700
1650
1600
1550
1500
1450
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4277. 1
4277. 2
4277. 3
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4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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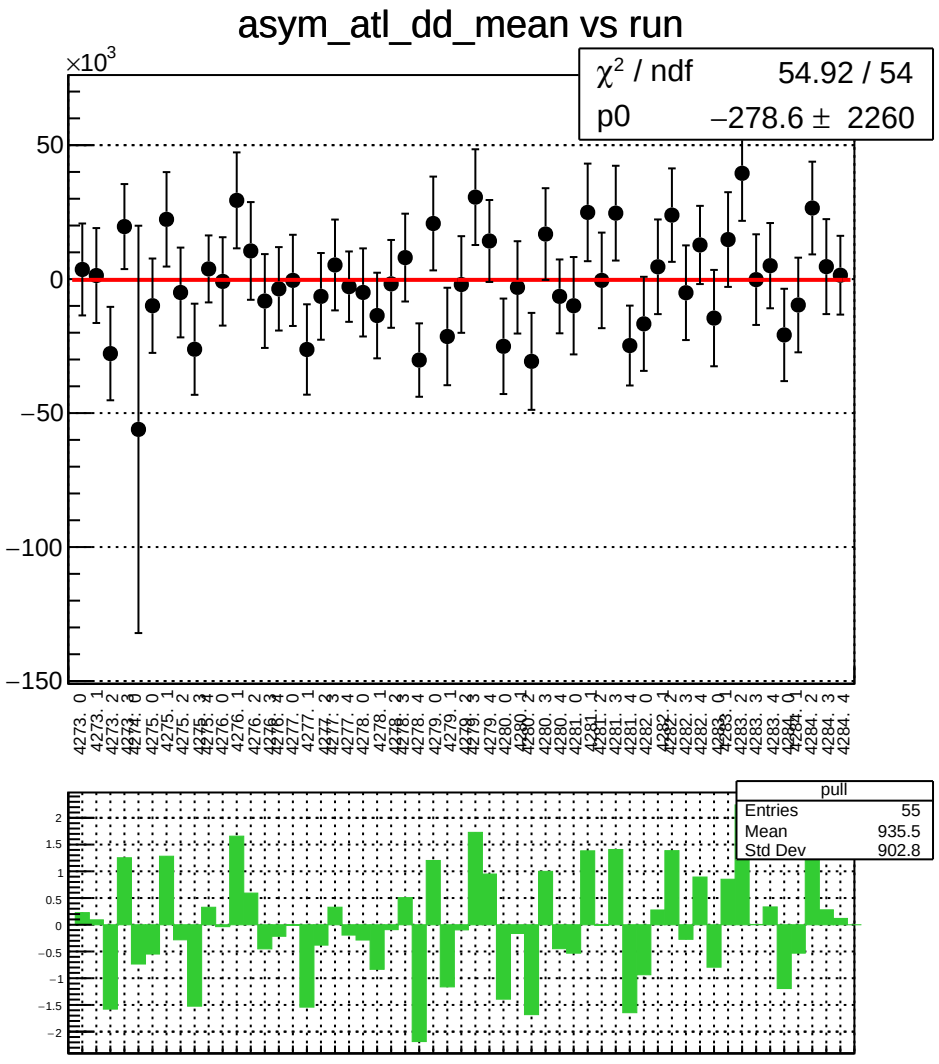
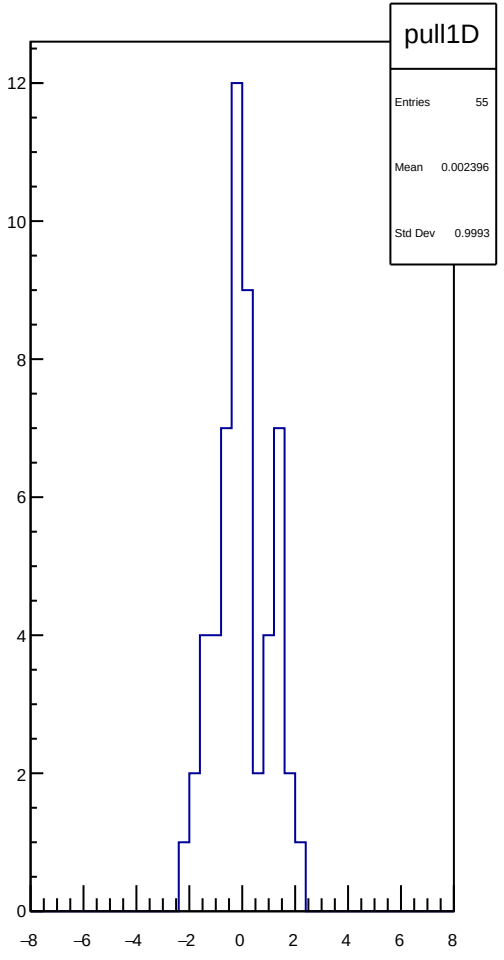
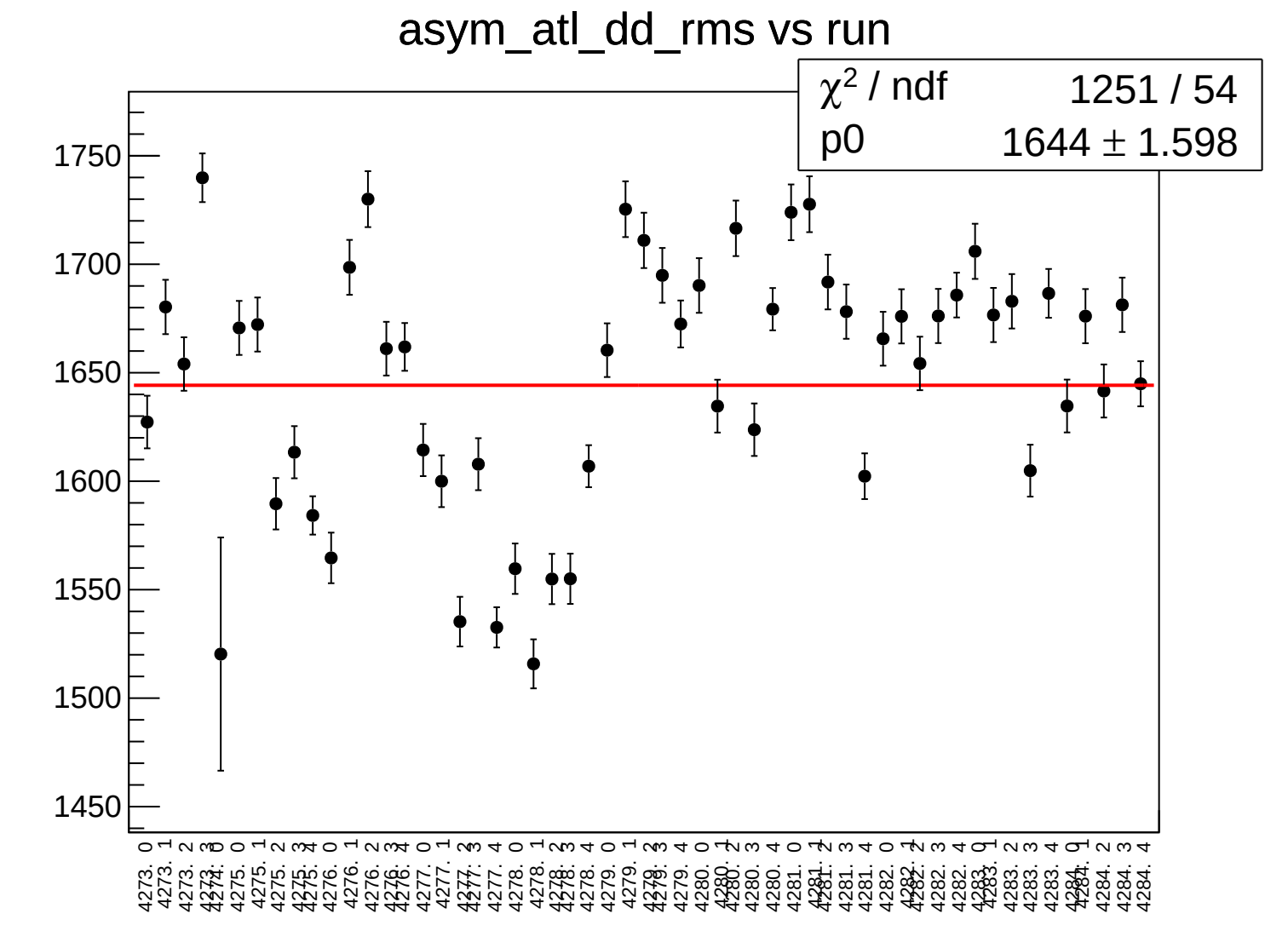
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_atl_dd_mean vs run
×10^3
χ² / ndf 54.92 / 54
p0 −278.6 ± 2260
50
0
−50
−100
−150
pull
Entries 55
Mean 935.5
Std Dev 902.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean 0.002396
Std Dev 0.9993
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_rms vs run
χ² / ndf 1251 / 54
p0 1644 ± 1.598
1750
1700
1650
1600
1550
1500
1450
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
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4277. 2
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4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 1
4280. 2
4280. 3
4280. 4
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4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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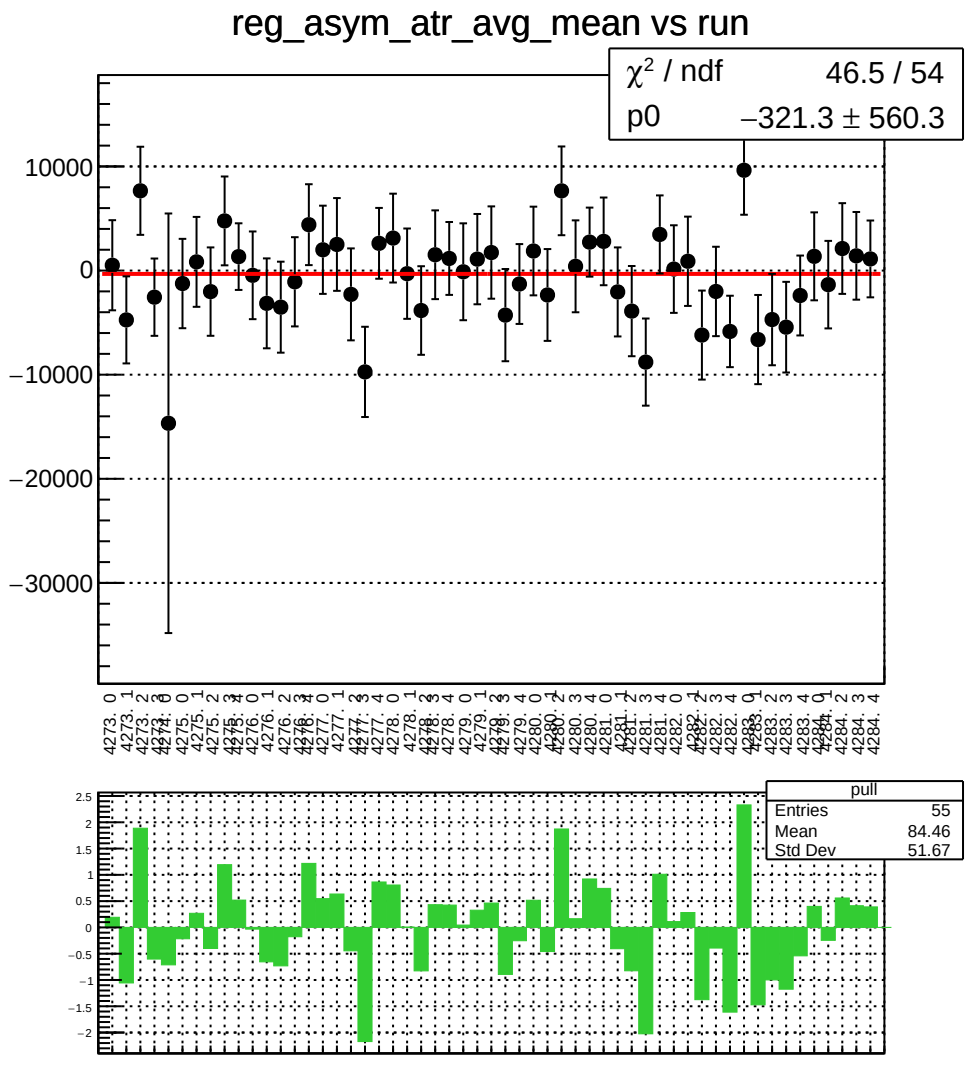
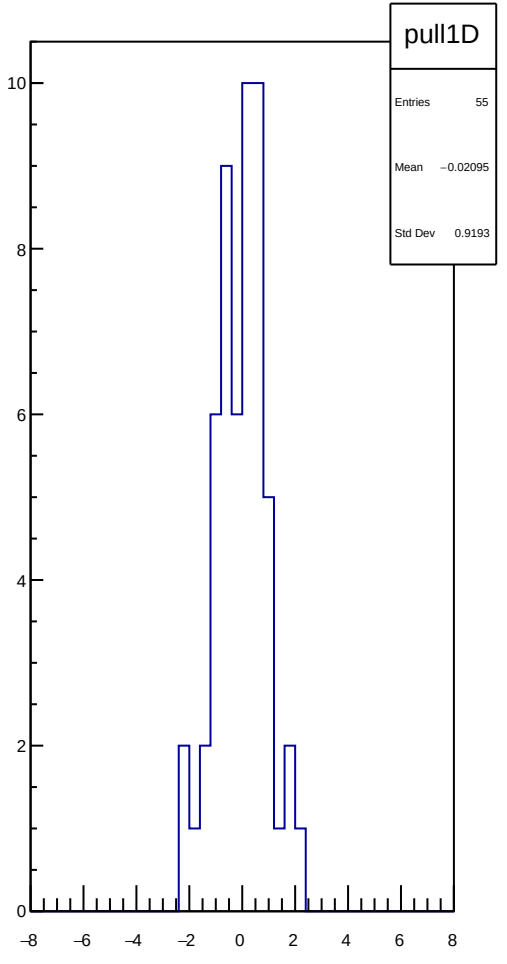
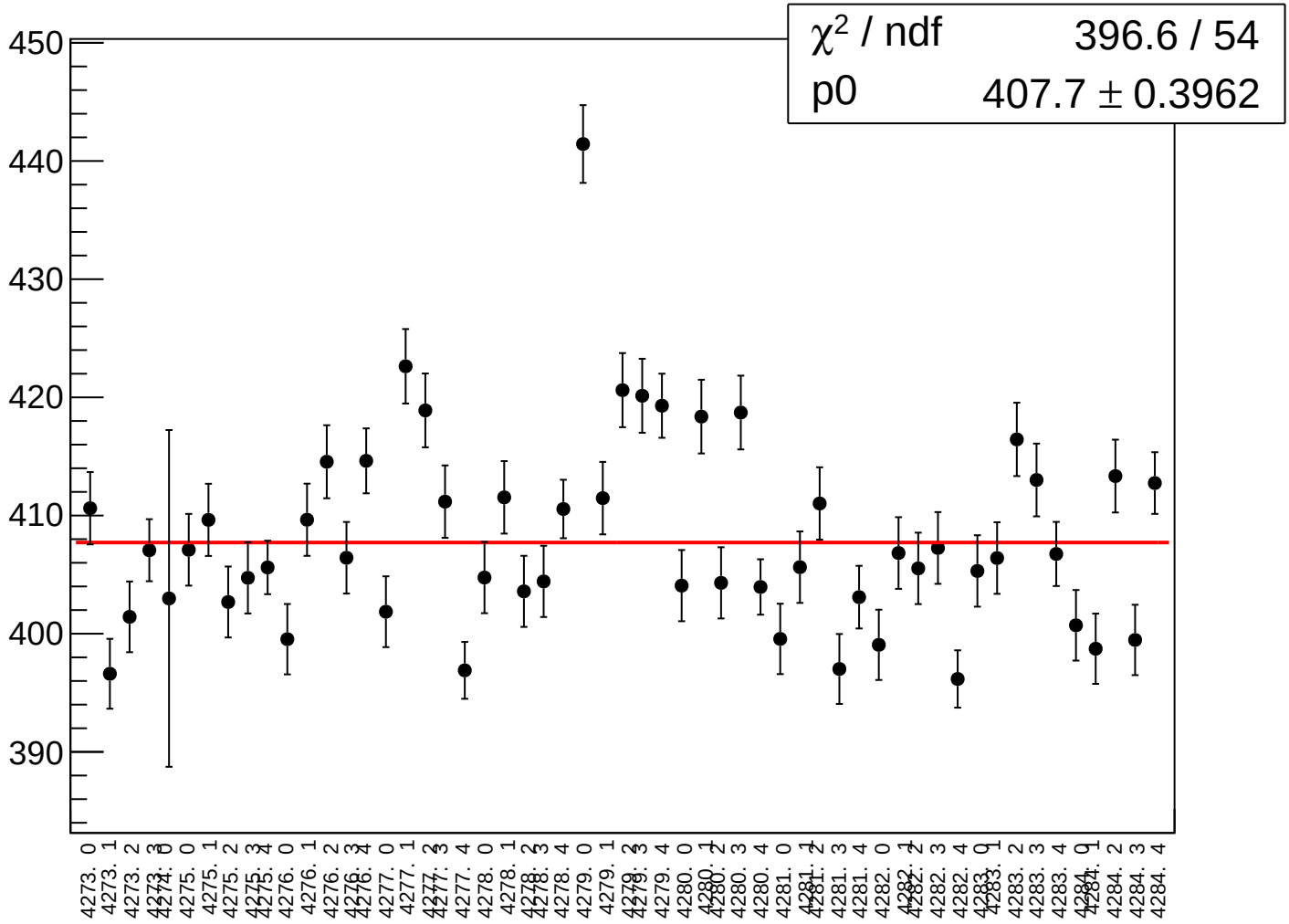
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_atr_avg_mean vs run
χ² / ndf 46.5 / 54
p0 −321.3 ± 560.3
10000
0
−10000
−20000
−30000
pull
Entries 55
Mean 84.46
Std Dev 51.67
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.02095
Std Dev 0.9193
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr_avg_rms vs run
χ² / ndf 396.6 / 54
p0 407.7 ± 0.3962
450
440
430
420
410
400
390
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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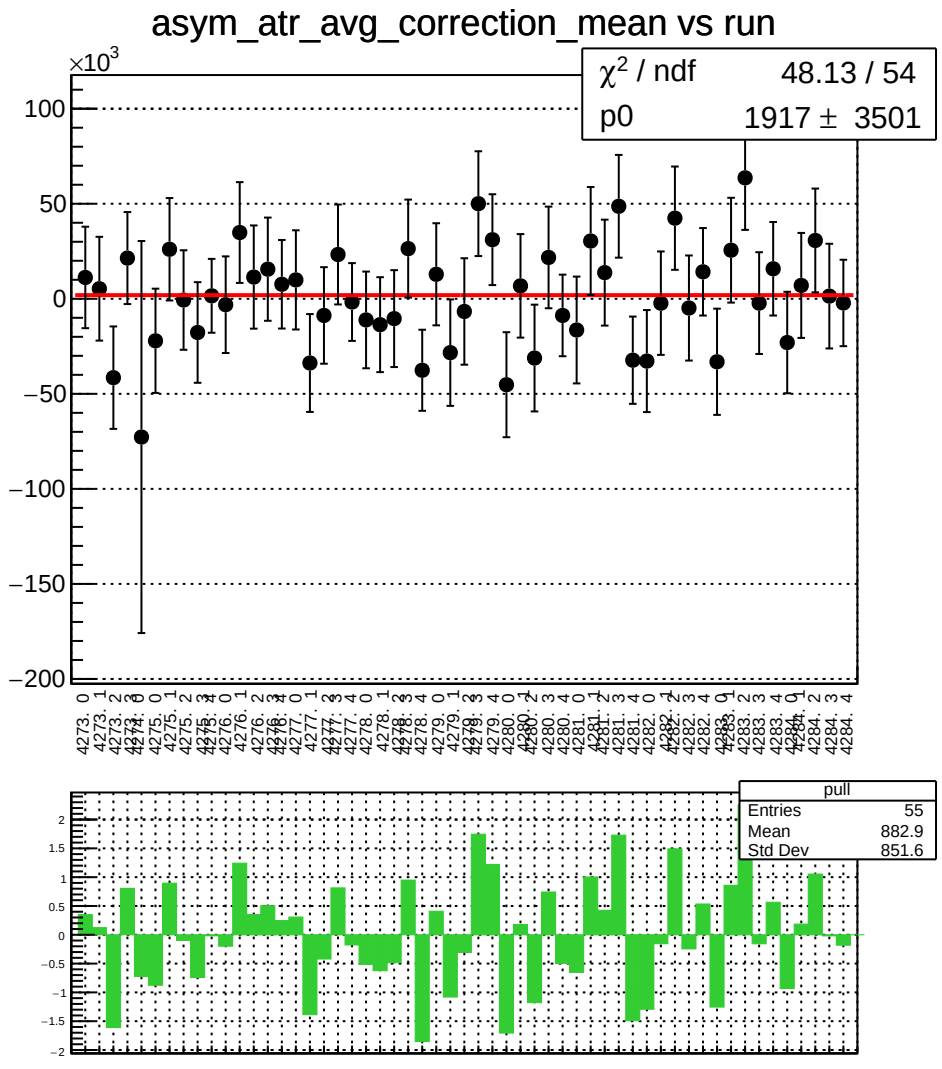
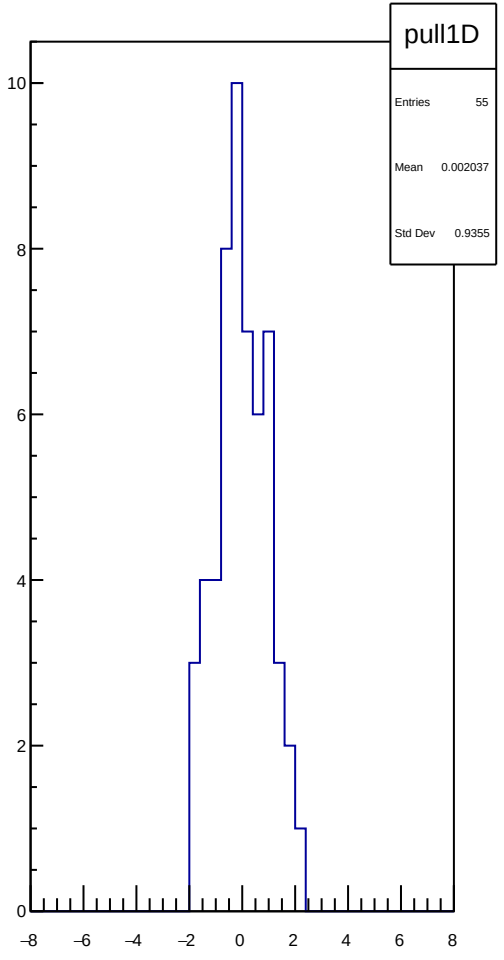
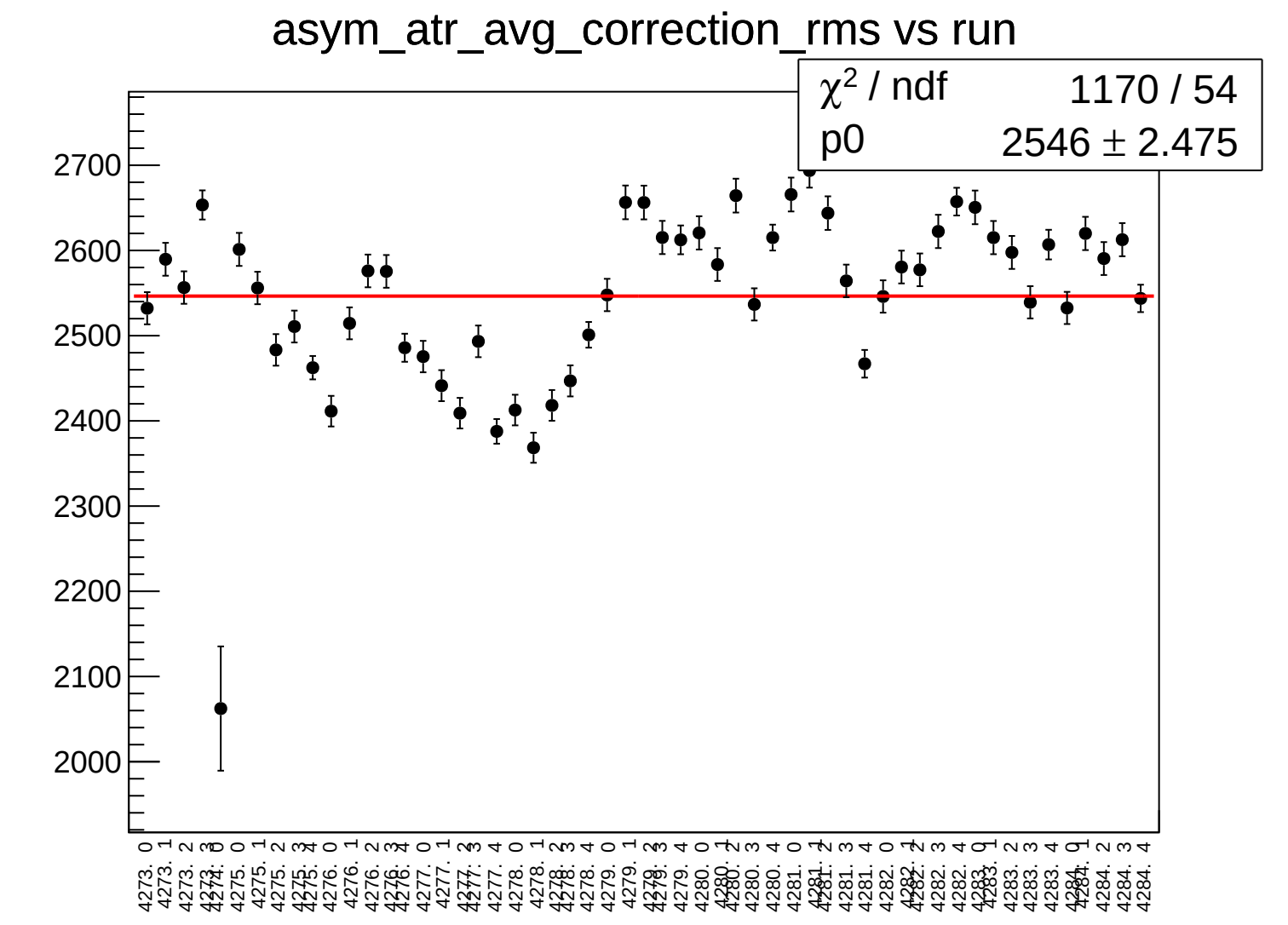
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 48.13 / 54
p0 1917 ± 3501
pull
Entries 55
Mean 882.9
Std Dev 851.6


pull1D
Entries 55
Mean 0.002037
Std Dev 0.9355


asym_atr_avg_correction_rms vs run
χ² / ndf 1170 / 54
p0 2546 ± 2.475
2700
2600
2500
2400
2300
2200
2100
2000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
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4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
4284. 0
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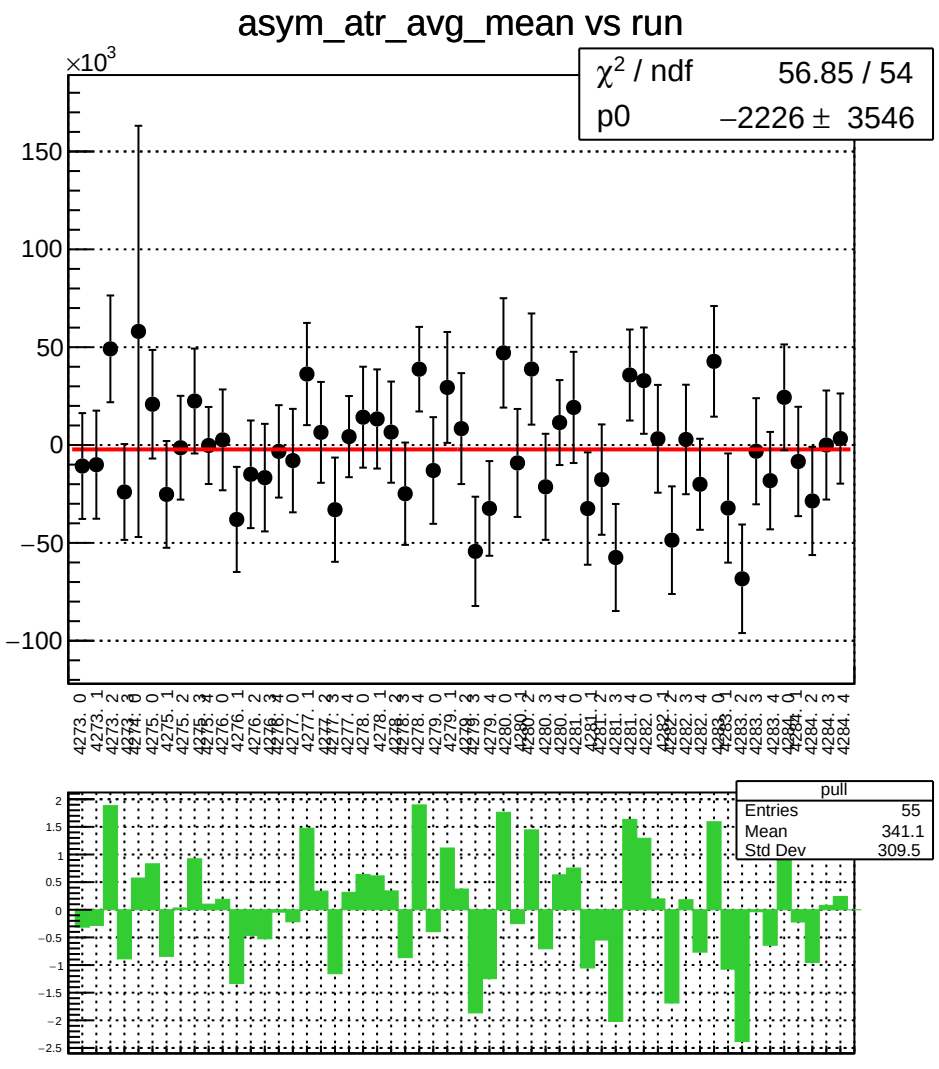
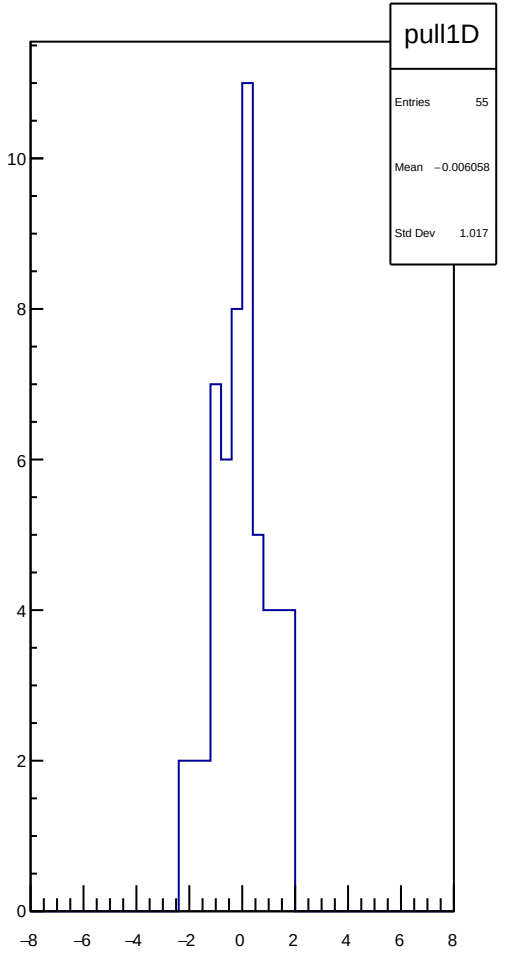
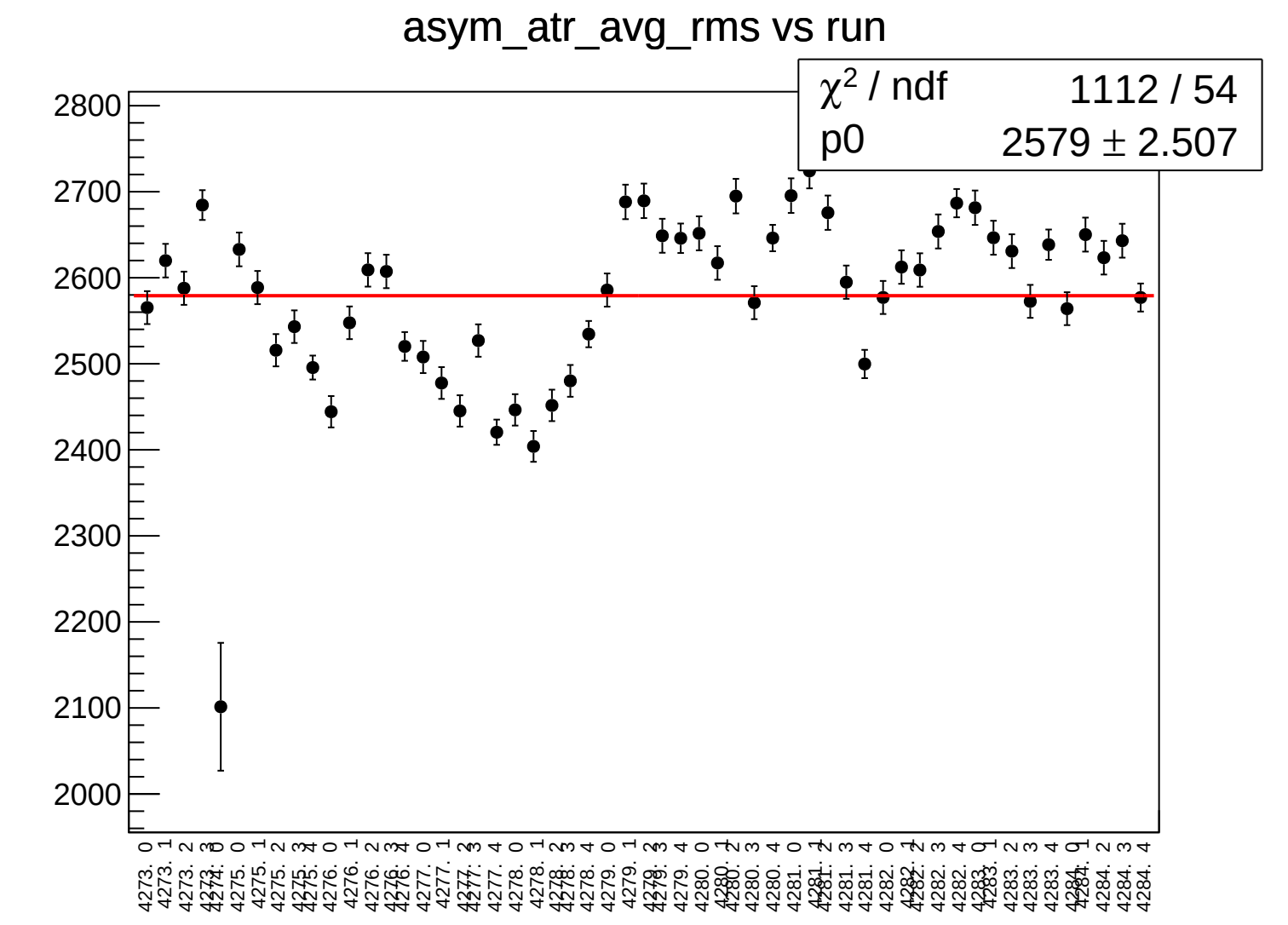
4284. 3
4284. 4


asym_atr_avg_mean vs run
×10^3
χ² / ndf 56.85 / 54
p0 −2226 ± 3546
150
100
50
0
−50
−100
pull
Entries 55
Mean 341.1
Std Dev 309.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 55
Mean −0.006058
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_avg_rms vs run
χ² / ndf 1112 / 54
p0 2579 ± 2.507
2800
2700
2600
2500
2400
2300
2200
2100
2000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4277. 2
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4278. 1
4278. 2
4278. 3
4278. 4
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4279. 2
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4279. 4
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4280. 2
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4281. 1
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4282. 1
4282. 2
4282. 3
4282. 4
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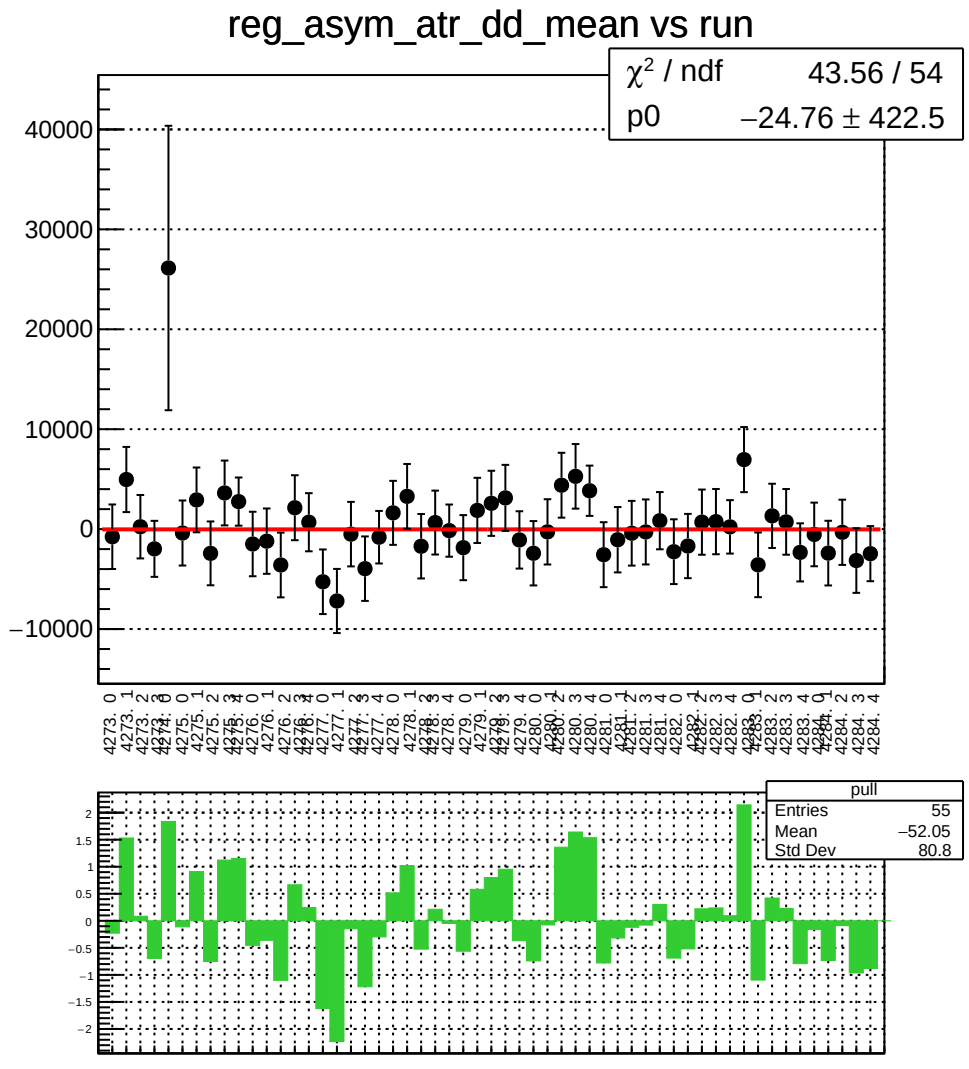
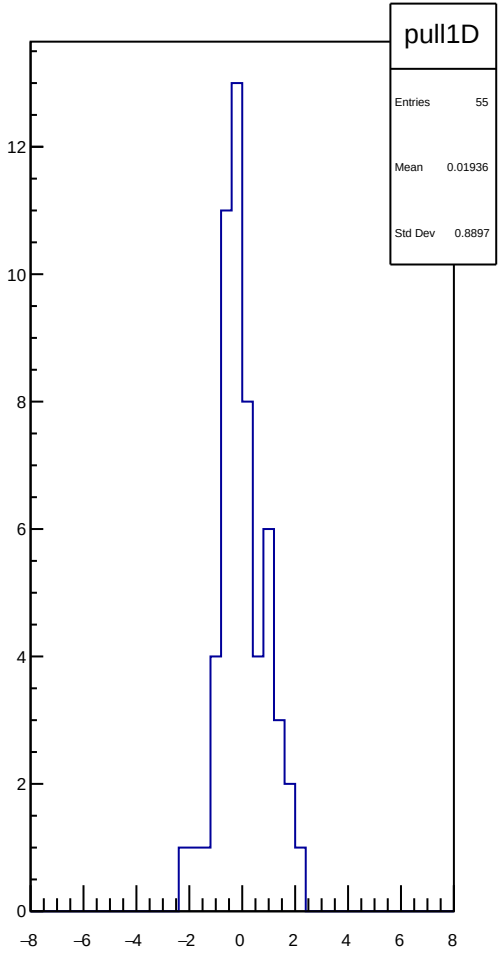
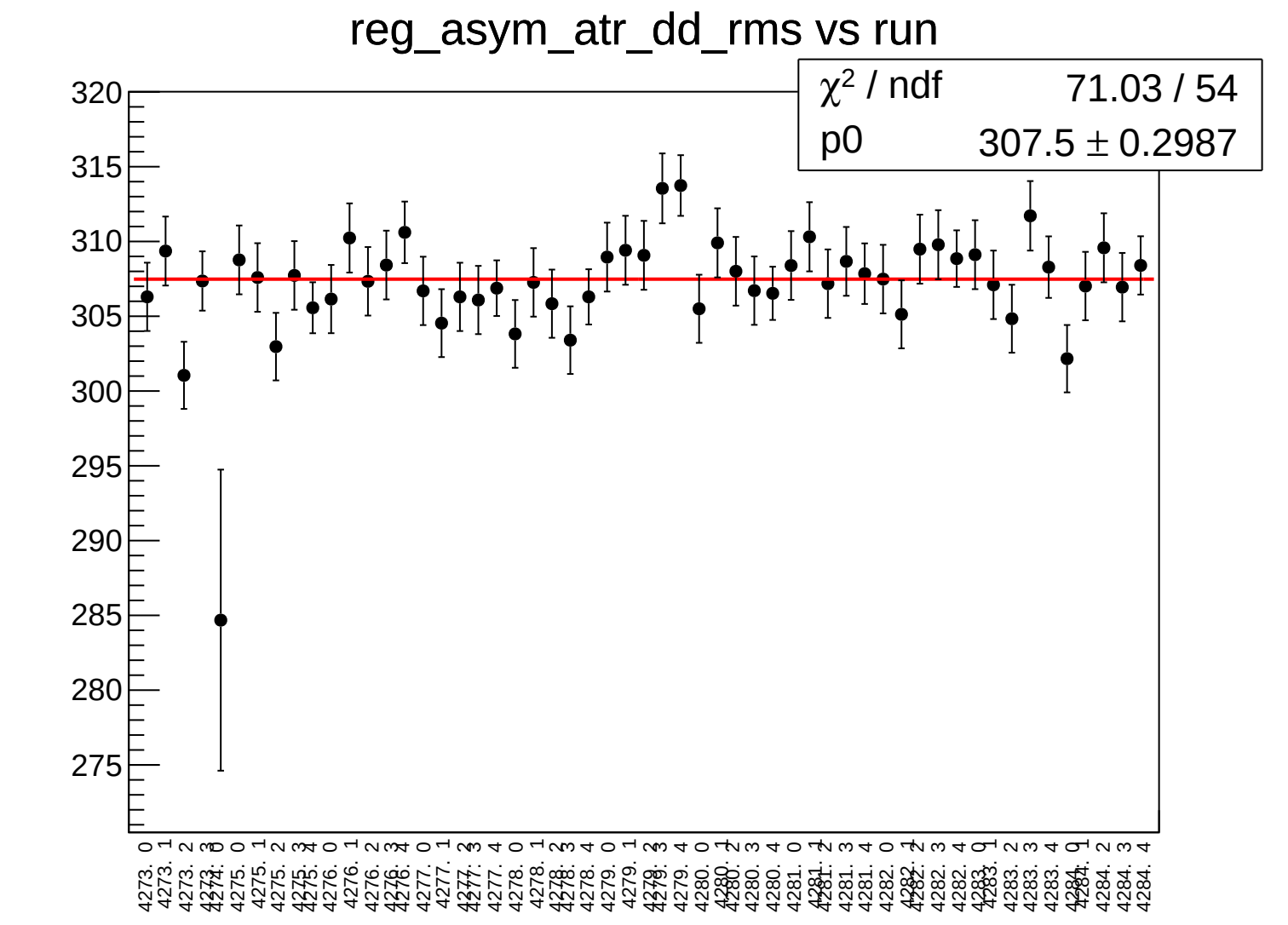
4284. 3
4284. 4


reg_asym_atr_dd_mean vs run
χ² / ndf 43.56 / 54
p0 −24.76 ± 422.5
40000
30000
20000
10000
0
−10000
pull
Entries 55
Mean −52.05
Std Dev 80.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean 0.01936
Std Dev 0.8897
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr_dd_rms vs run
χ² / ndf 71.03 / 54
p0 307.5 ± 0.2987
320
315
310
305
300
295
290
285
280
275
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
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4275. 1
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4275. 3
4275. 4
4276. 0
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4277. 1
4277. 2
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4277. 4
4278. 0
4278. 1
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4281. 3
4281. 4
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4282. 1
4282. 2
4282. 3
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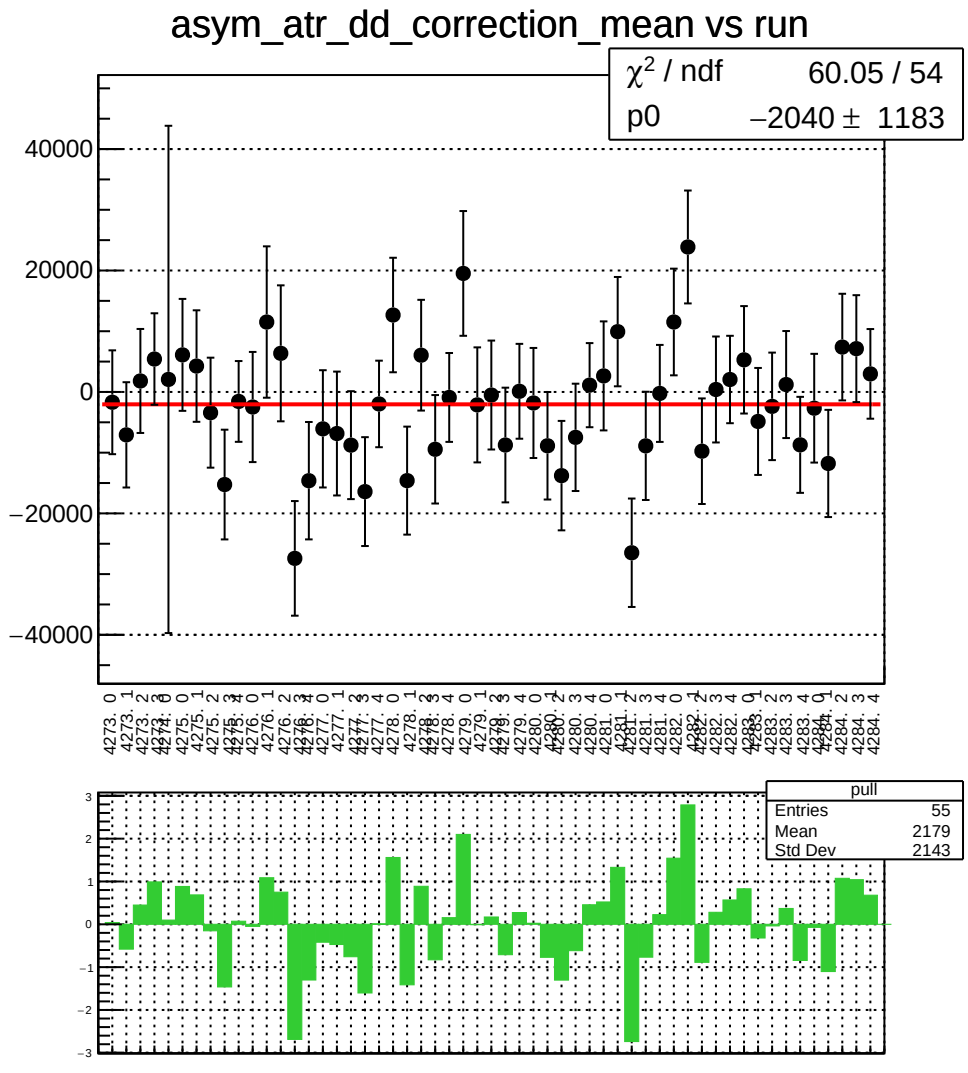
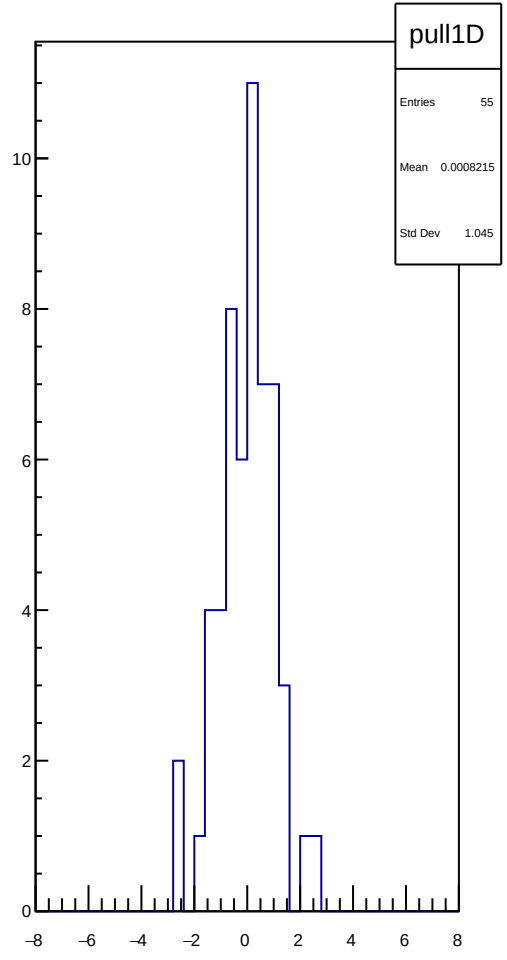
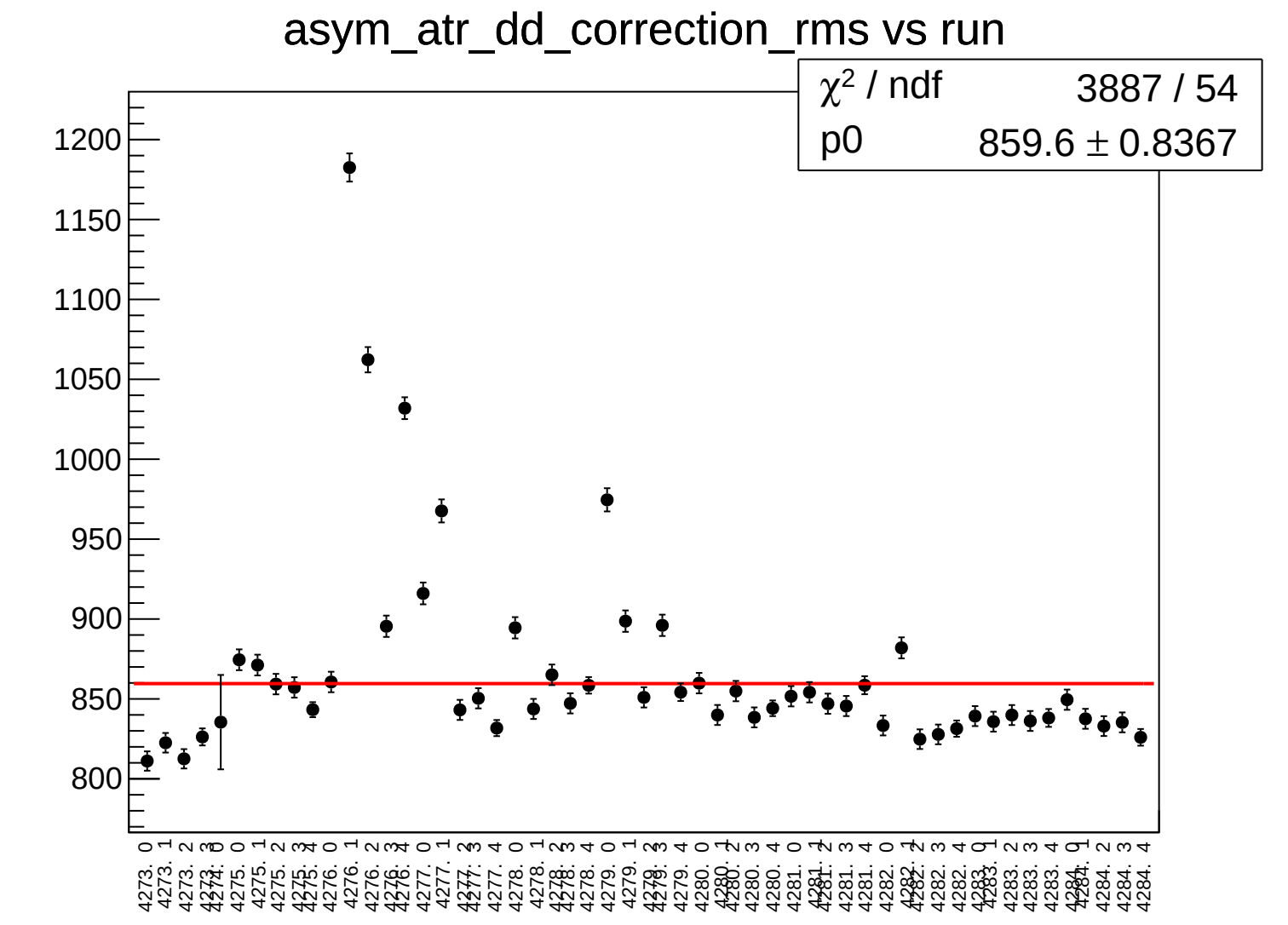
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_atr_dd_correction_mean vs run
χ² / ndf 60.05 / 54
p0 −2040 ± 1183
40000
20000
0
−20000
−40000
pull
Entries 55
Mean 2179
Std Dev 2143
3
2
1
0
−1
−2
−3


pull1D
Entries 55
Mean 0.0008215
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_correction_rms vs run
χ² / ndf 3887 / 54
p0 859.6 ± 0.8367
1200
1150
1100
1050
1000
950
900
850
800
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
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4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4283. 1
4283. 2
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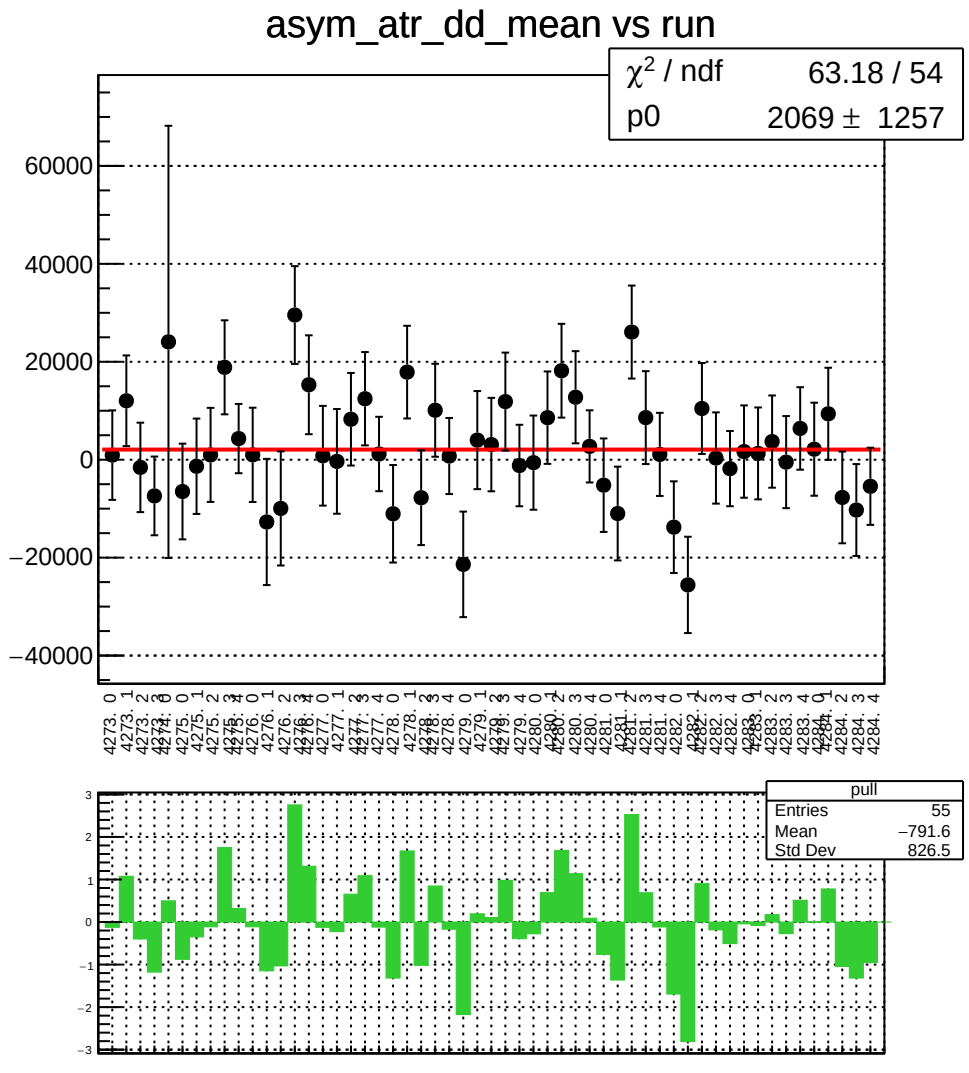
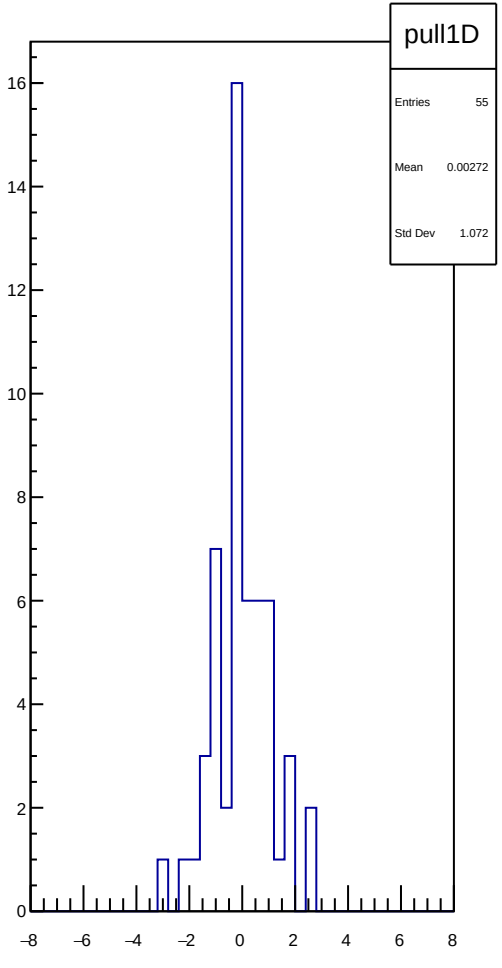
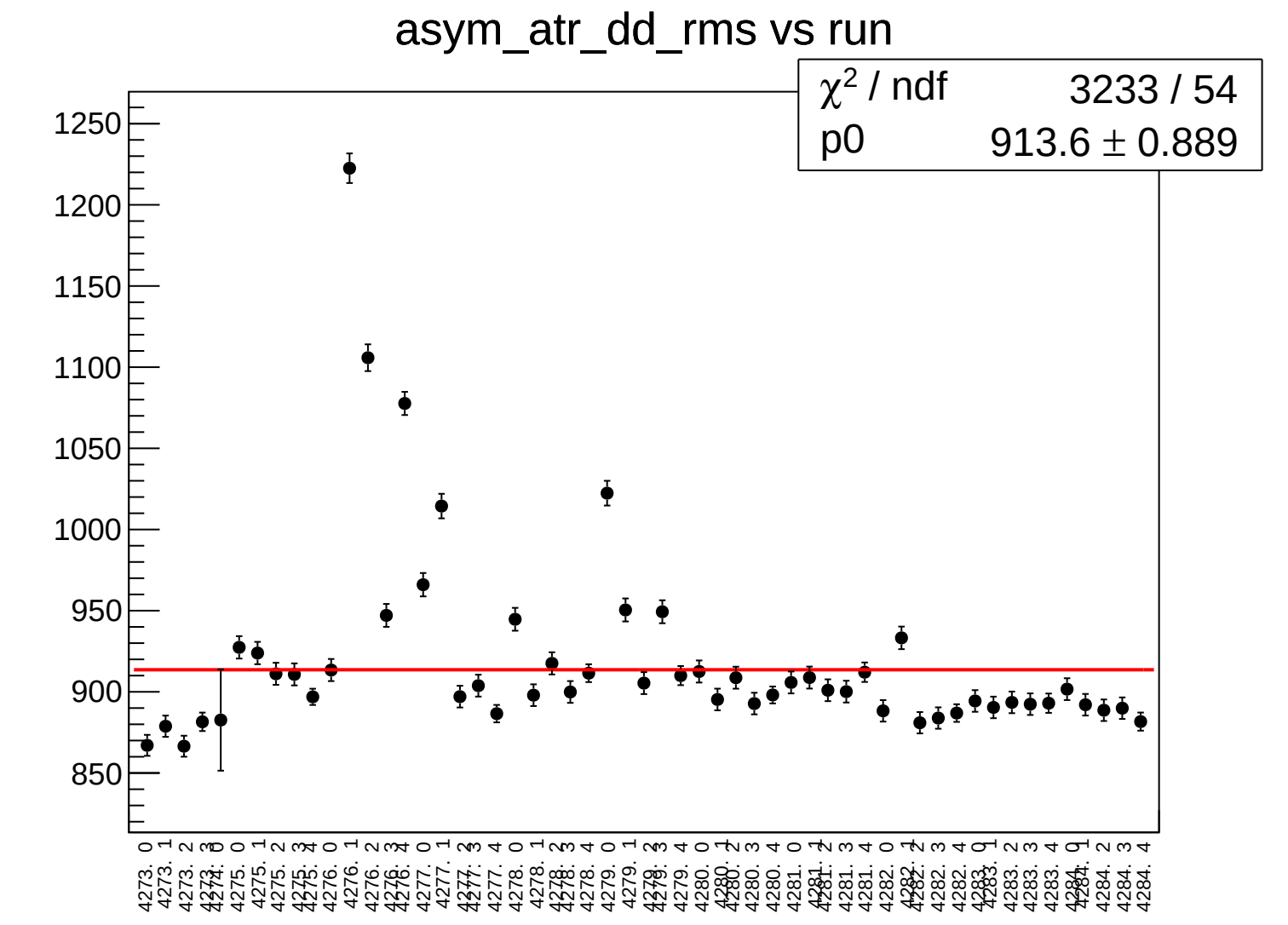
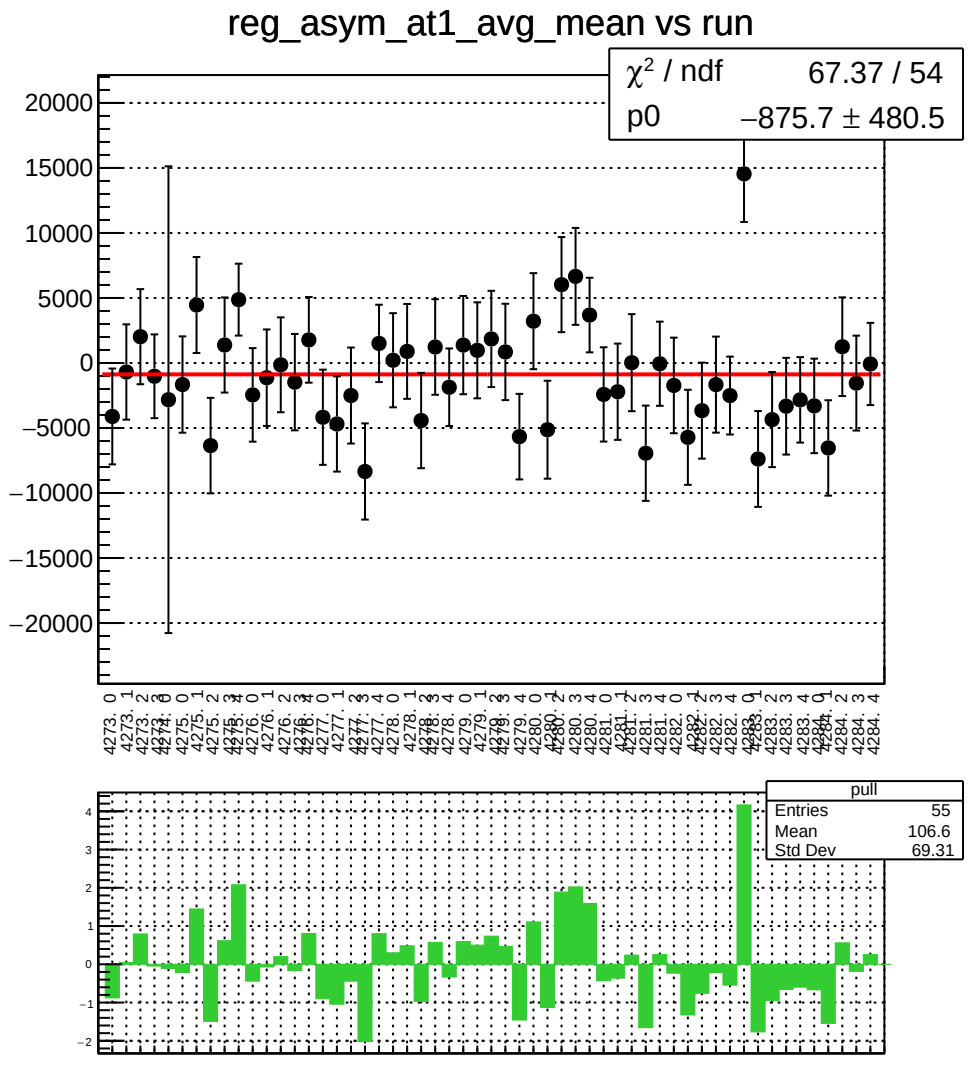
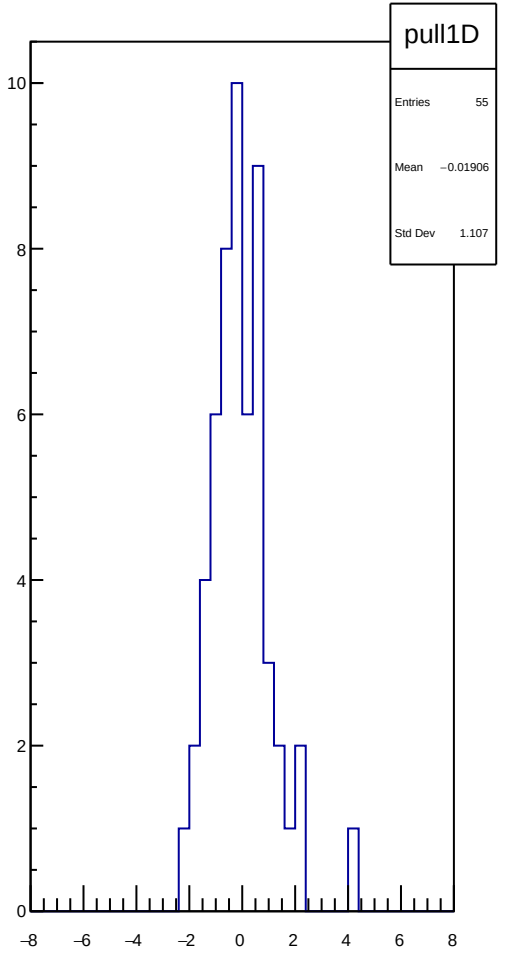
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

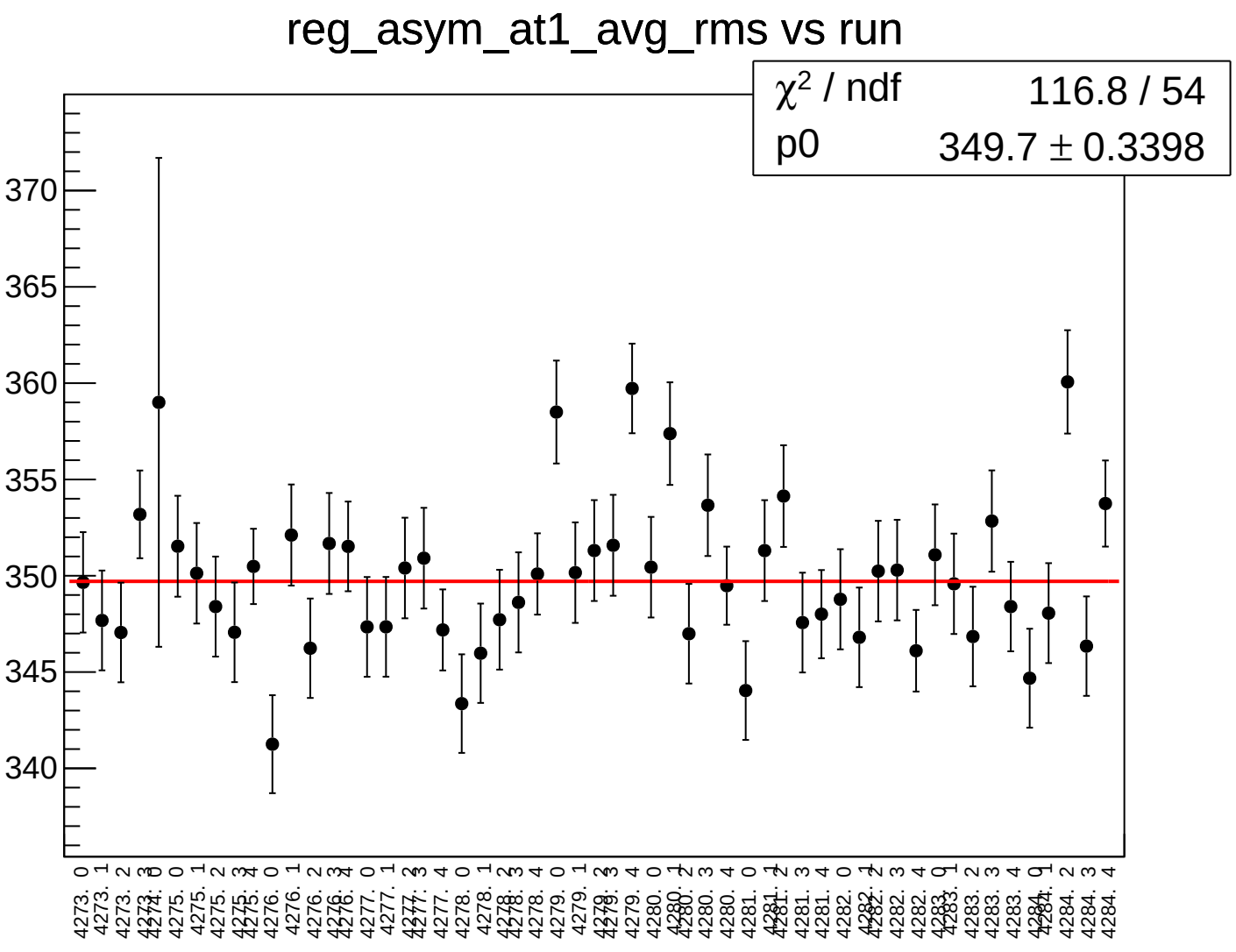

asym_atr_dd_mean vs run
χ² / ndf 63.18 / 54
p0 2069 ± 1257
60000
40000
20000
0
−20000
−40000
pull
Entries 55
Mean −791.6
Std Dev 826.5
3
2
1
0
−1
−2
−3


pull1D
Entries 55
Mean 0.00272
Std Dev 1.072
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_rms vs run
χ² / ndf 3233 / 54
p0 913.6 ± 0.889
1250
1200
1150
1100
1050
1000
950
900
850
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_at1_avg_mean vs run
χ² / ndf 67.37 / 54
p0 −875.7 ± 480.5
pull
Entries 55
Mean 106.6
Std Dev 69.31


pull1D
Entries 55
Mean −0.01906
Std Dev 1.107


reg_asym_at1_avg_rms vs run
χ² / ndf 116.8 / 54
p0 349.7 ± 0.3398
370
365
360
355
350
345
340
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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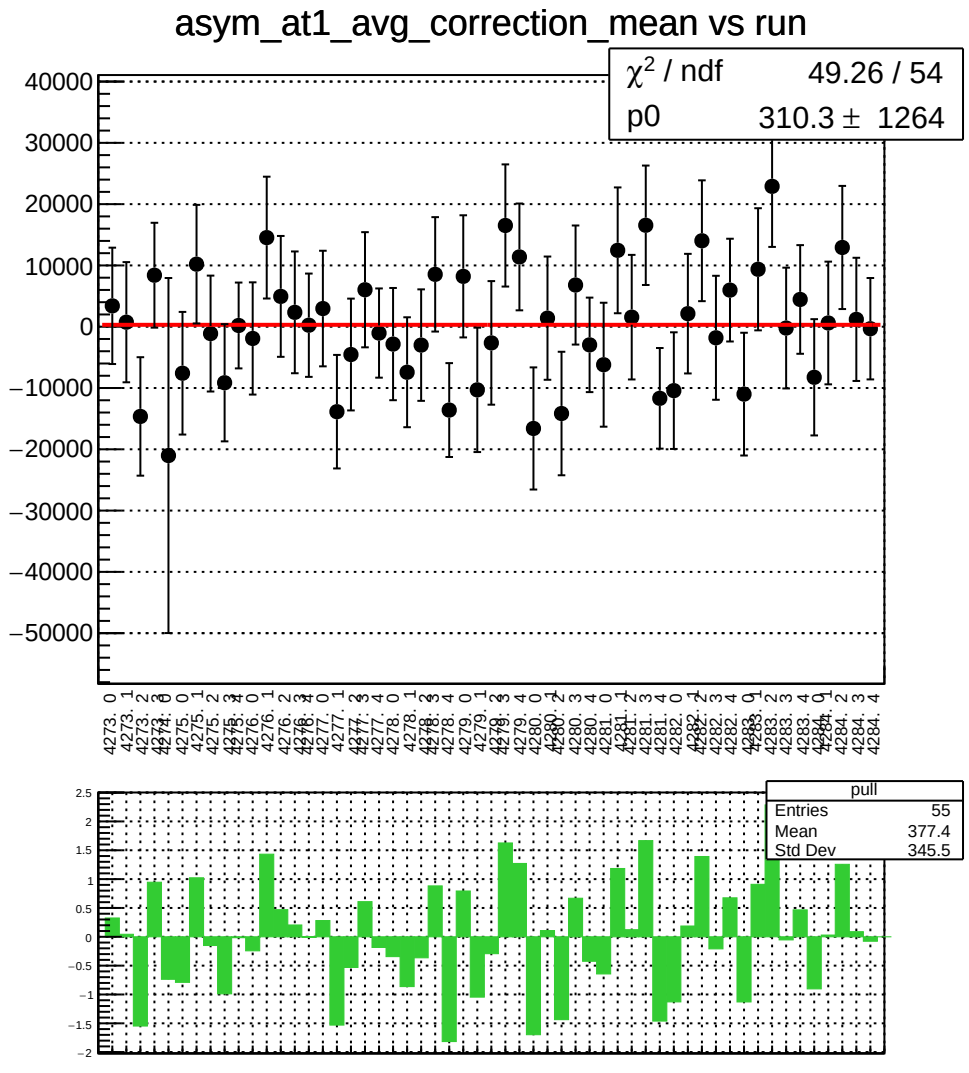
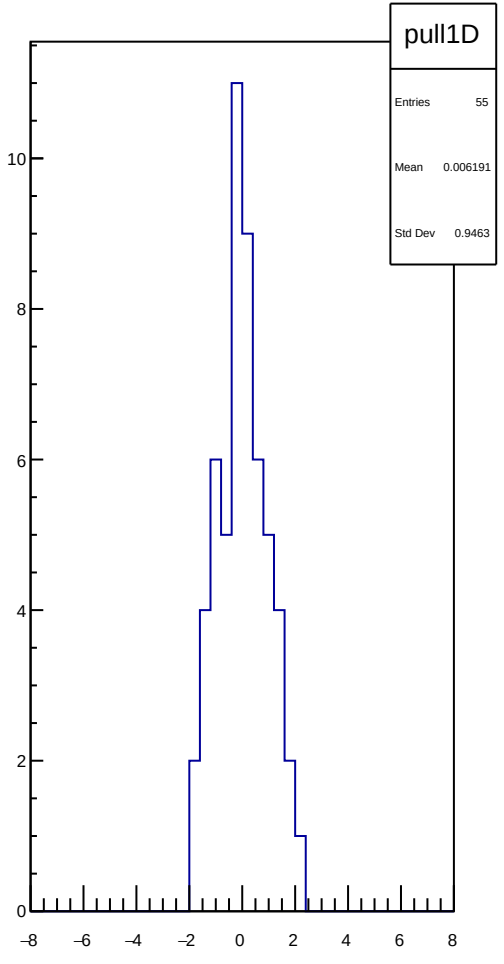
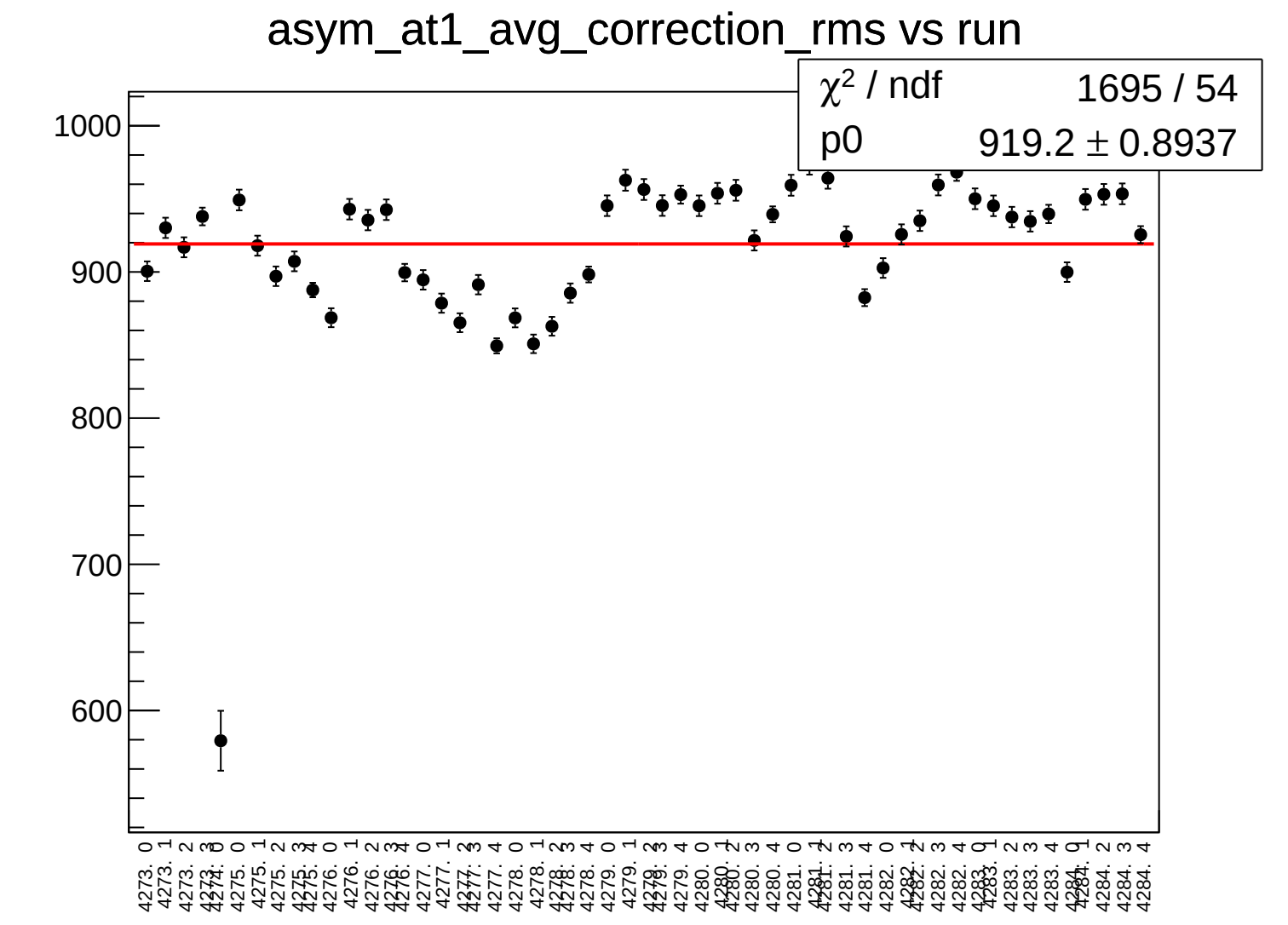
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_at1_avg_correction_mean vs run
χ² / ndf 49.26 / 54
p0 310.3 ± 1264
pull
Entries 55
Mean 377.4
Std Dev 345.5


pull1D
Entries 55
Mean 0.006191
Std Dev 0.9463


asym_at1_avg_correction_rms vs run
χ² / ndf 1695 / 54
p0 919.2 ± 0.8937
1000
900
800
700
600
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
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4281. 1
4281. 2
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4281. 4
4282. 0
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4282. 2
4282. 3
4282. 4
4283. 0
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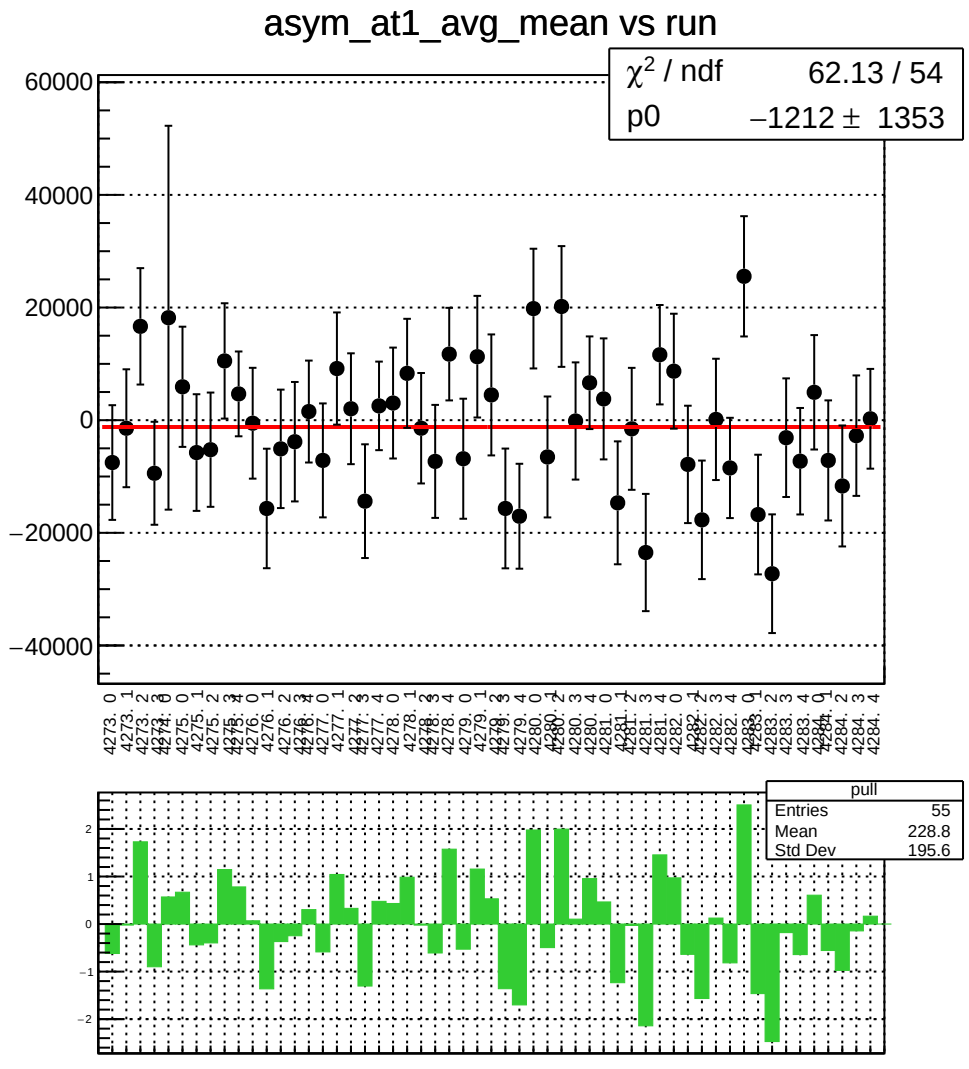
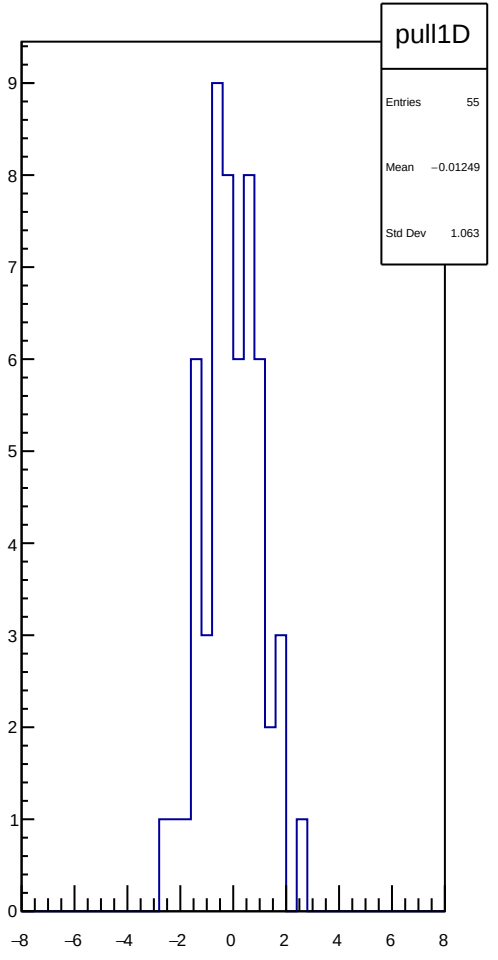
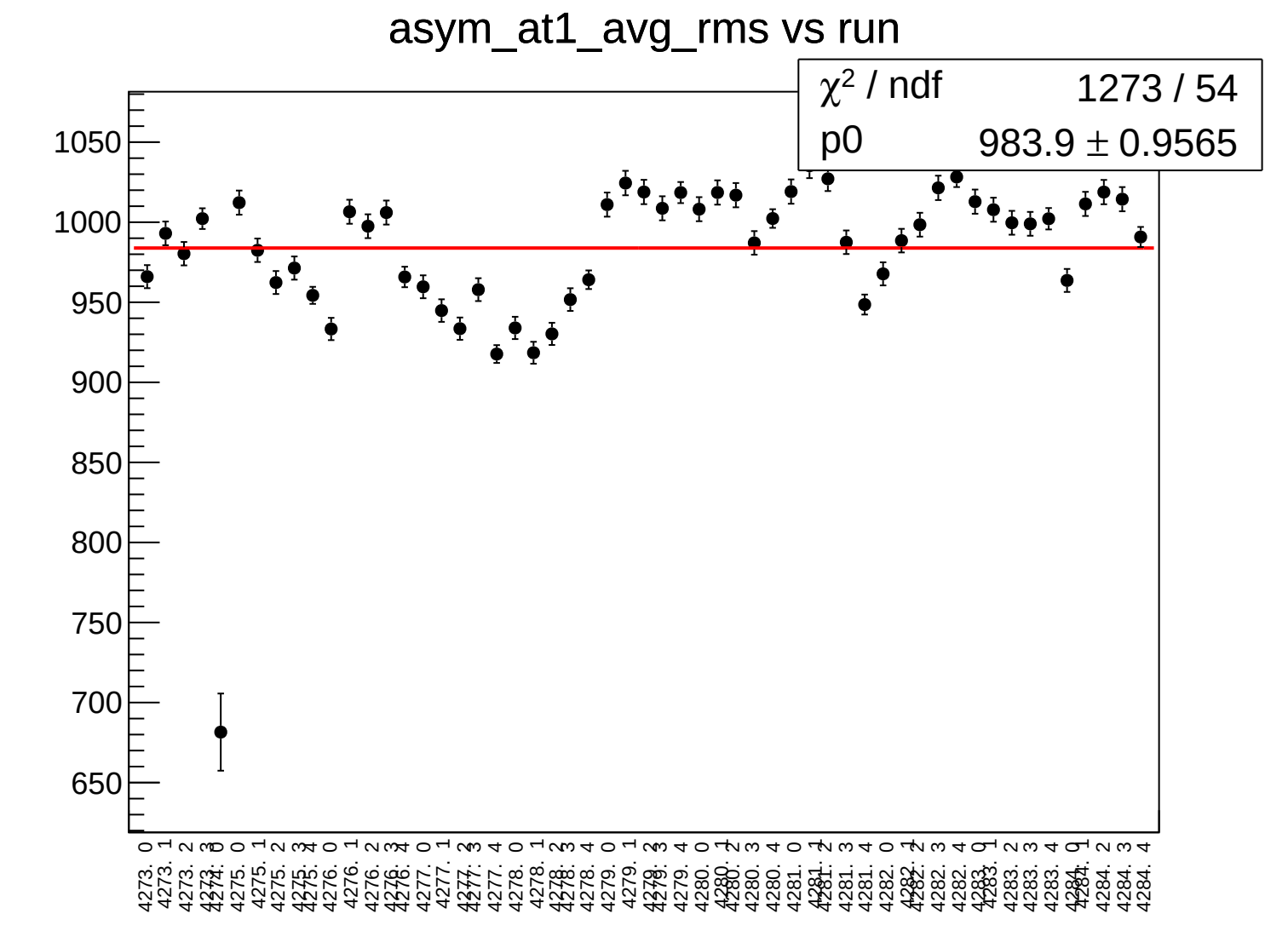
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_at1_avg_mean vs run
χ² / ndf 62.13 / 54
p0 −1212 ± 1353
pull
Entries 55
Mean 228.8
Std Dev 195.6


pull1D
Entries 55
Mean −0.01249
Std Dev 1.063


asym_at1_avg_rms vs run
χ^2 / ndf 1273 / 54
p0 983.9 ± 0.9565
1050
1000
950
900
850
800
750
700
650
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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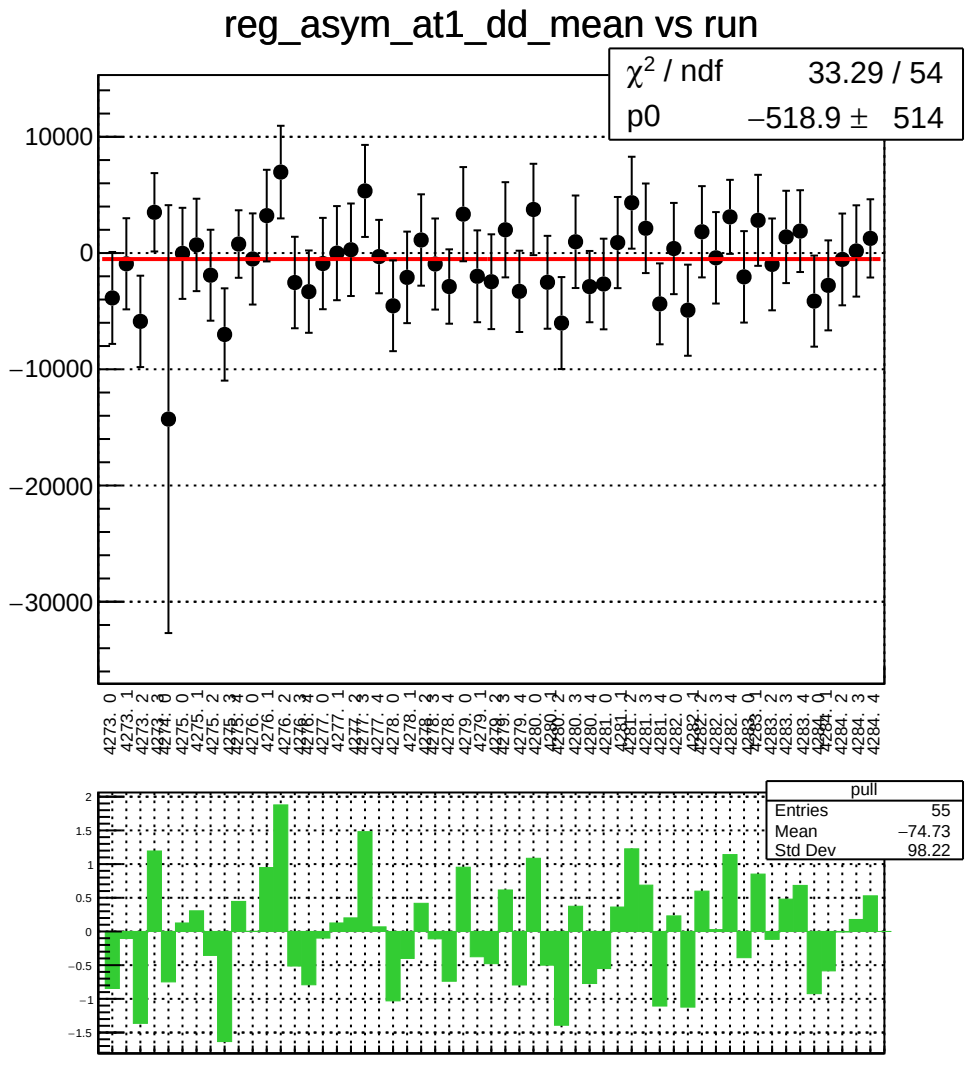
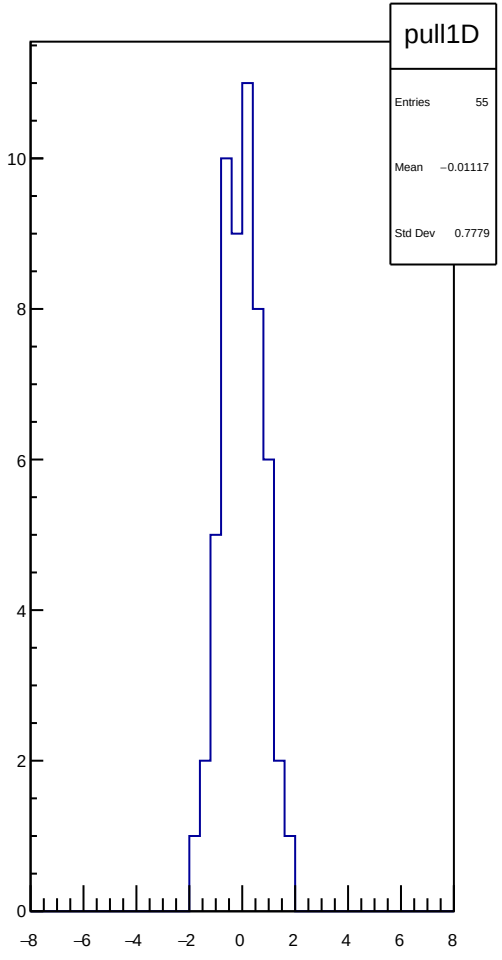
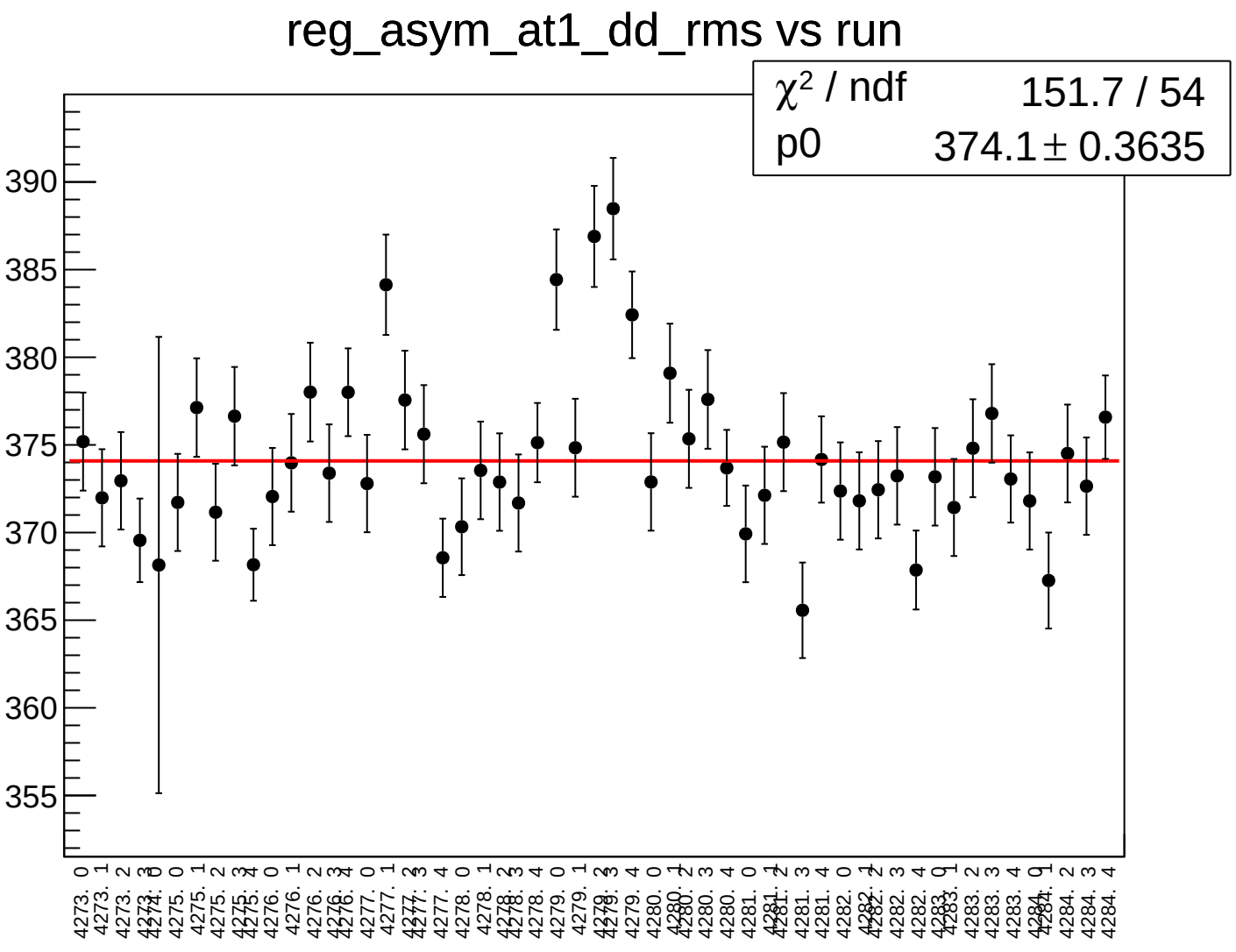
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_at1_dd_mean vs run
χ² / ndf 33.29 / 54
p0 −518.9 ± 514
10000
0
−10000
−20000
−30000
pull
Entries 55
Mean −74.73
Std Dev 98.22
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 55
Mean −0.01117
Std Dev 0.7779
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at1_dd_rms vs run
χ² / ndf 151.7 / 54
p0 374.1 ± 0.3635
390
385
380
375
370
365
360
355
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 1
4280. 2
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4280. 4
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4281. 1
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4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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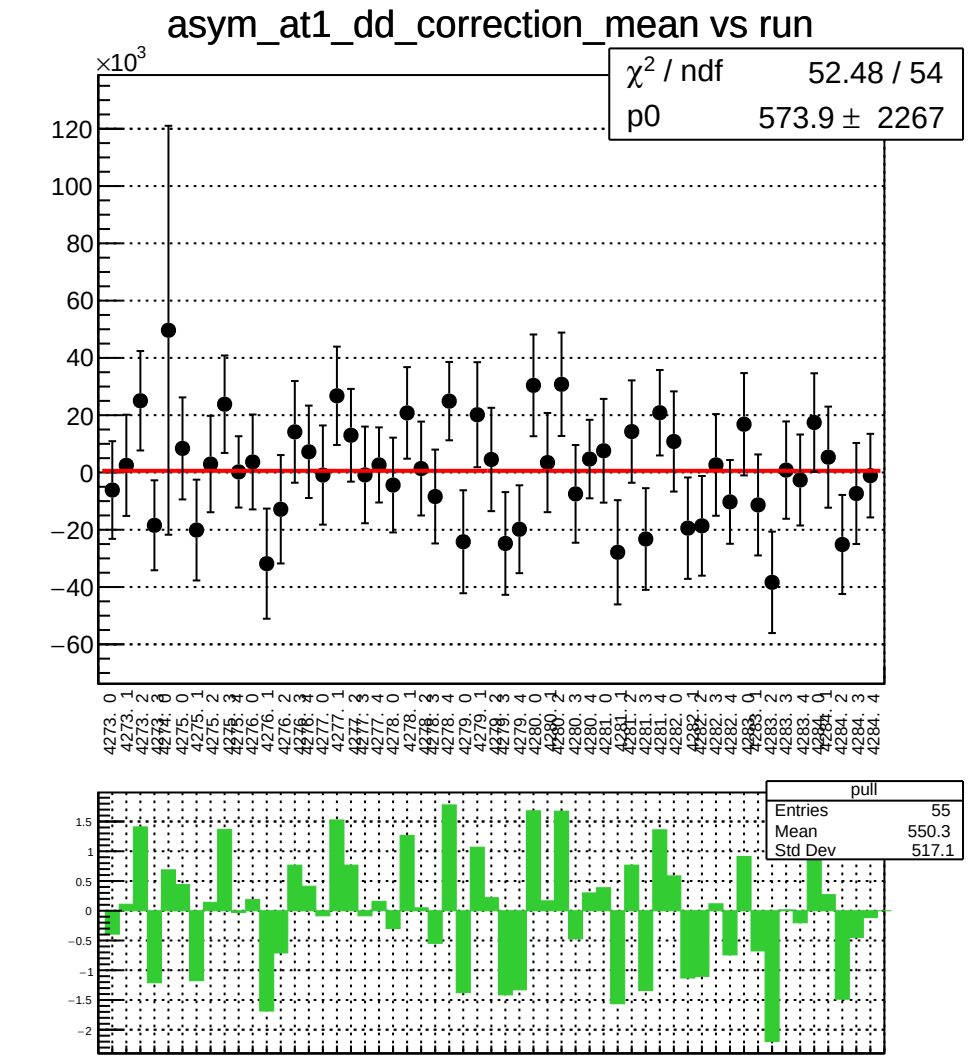
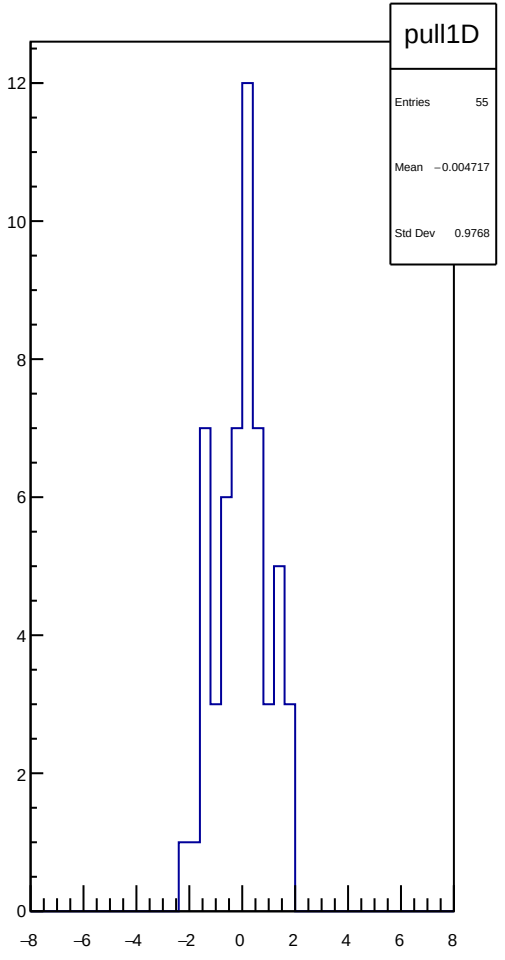
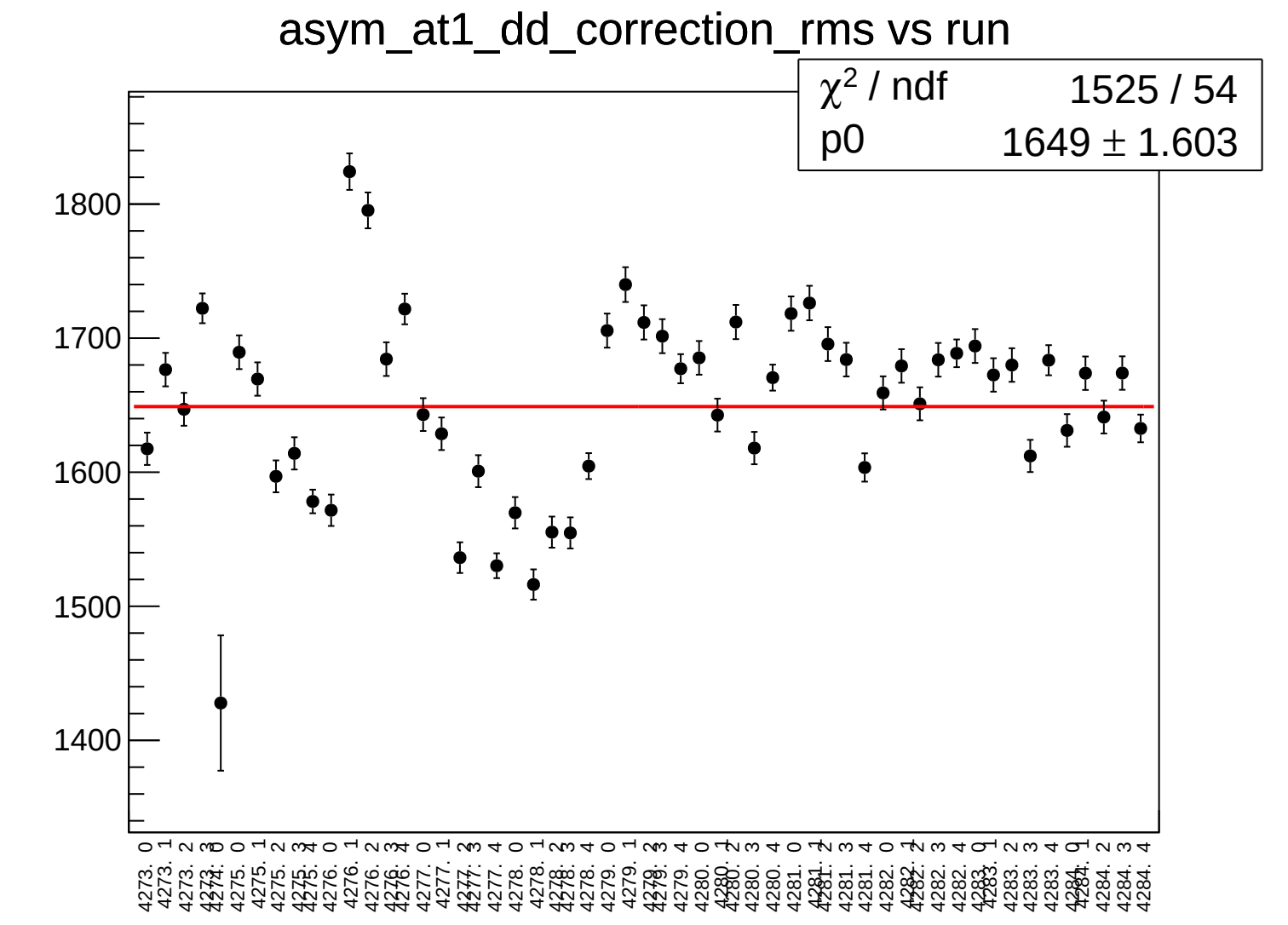
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_at1_dd_correction_mean vs run
χ² / ndf 52.48 / 54
p0 573.9 ± 2267
×10³
pull
Entries 55
Mean 550.3
Std Dev 517.1


pull1D
Entries 55
Mean −0.004717
Std Dev 0.9768


asym_at1_dd_correction_rms vs run
χ² / ndf 1525 / 54
p0 1649 ± 1.603
1800
1700
1600
1500
1400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
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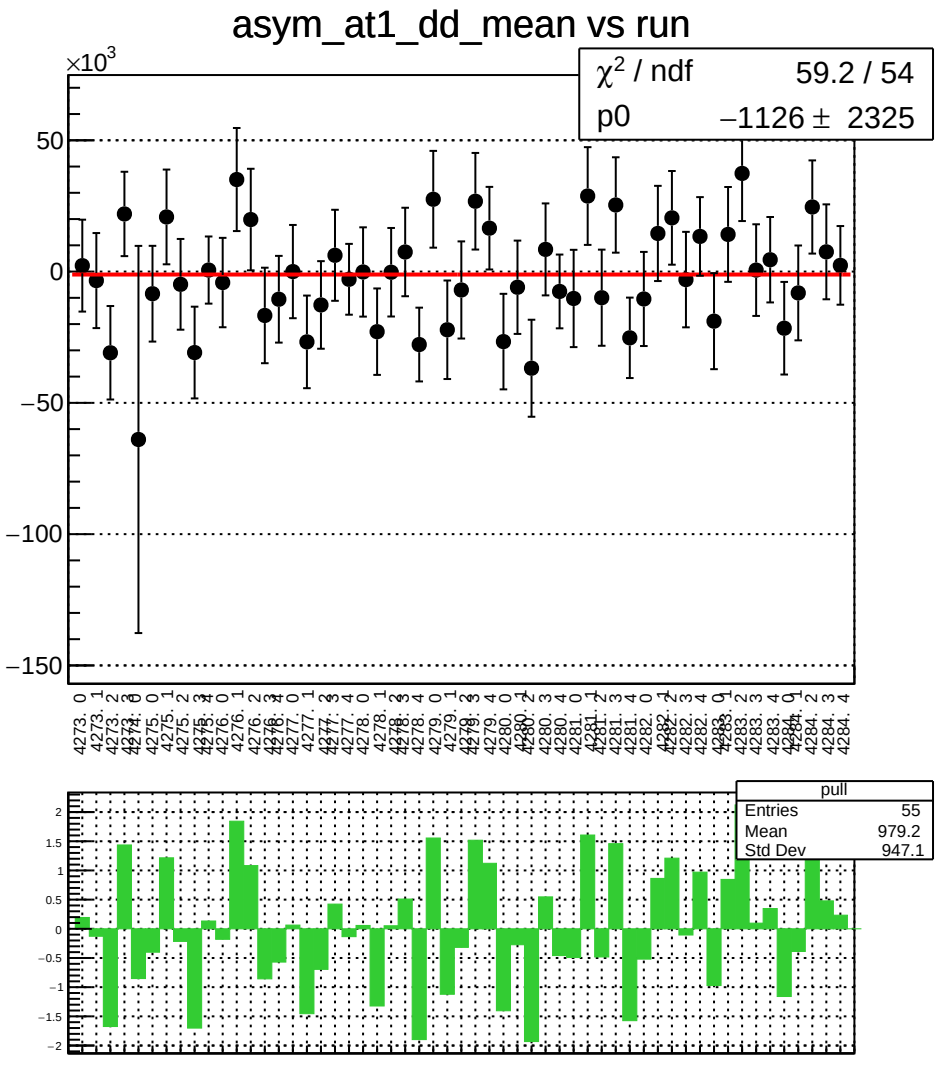
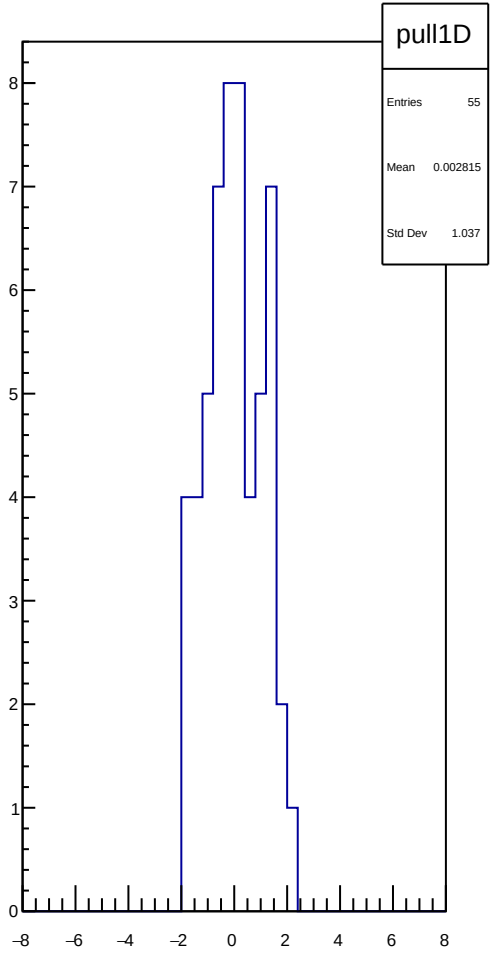
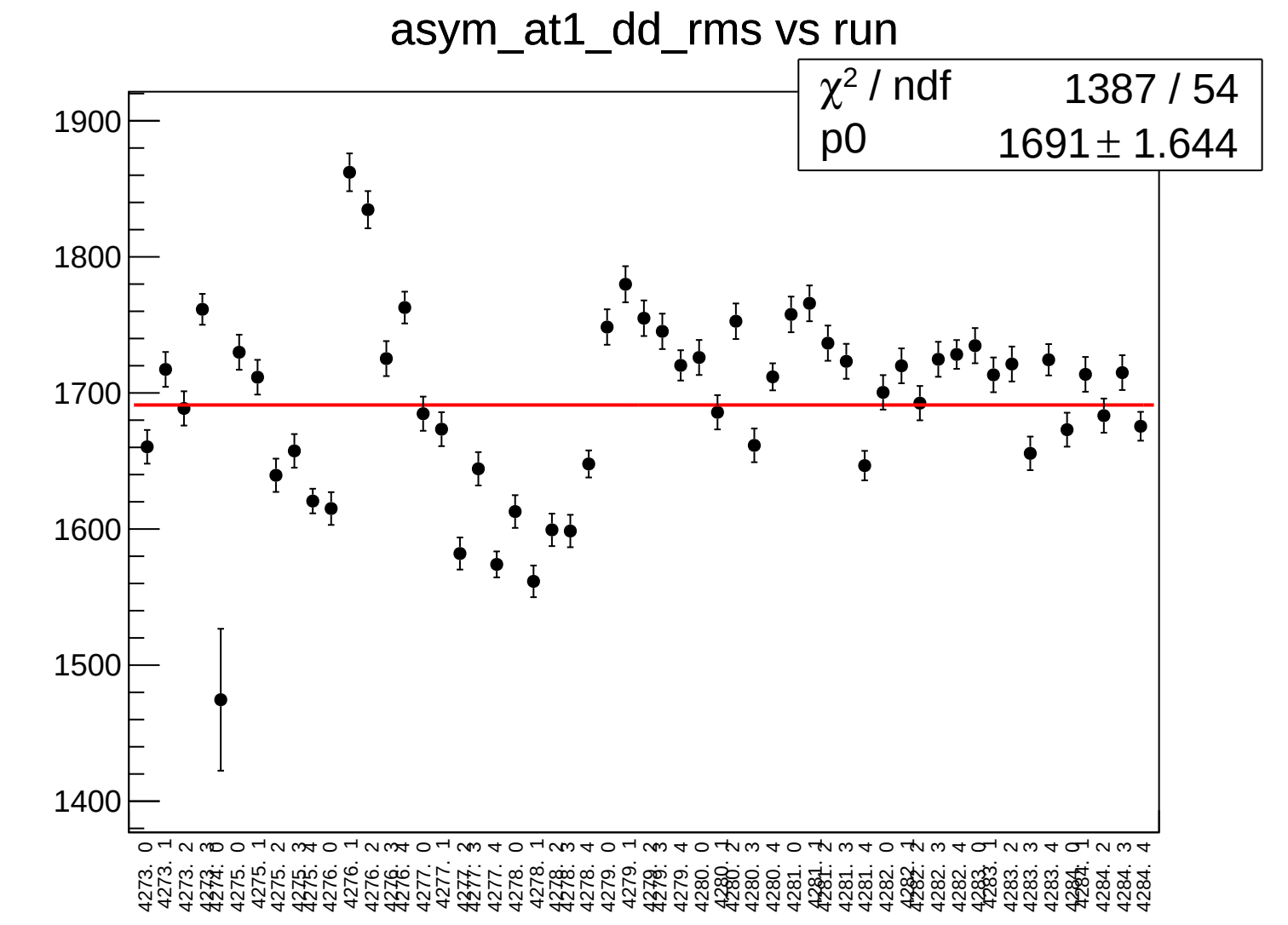
4284. 3
4284. 4


asym_at1_dd_mean vs run
×10^3
χ² / ndf 59.2 / 54
p0 −1126 ± 2325
50
0
−50
−100
−150
pull
Entries 55
Mean 979.2
Std Dev 947.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean 0.002815
Std Dev 1.037
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_rms vs run
χ² / ndf 1387 / 54
p0 1691 ± 1.644
1900
1800
1700
1600
1500
1400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4276. 2
4276. 3
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
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4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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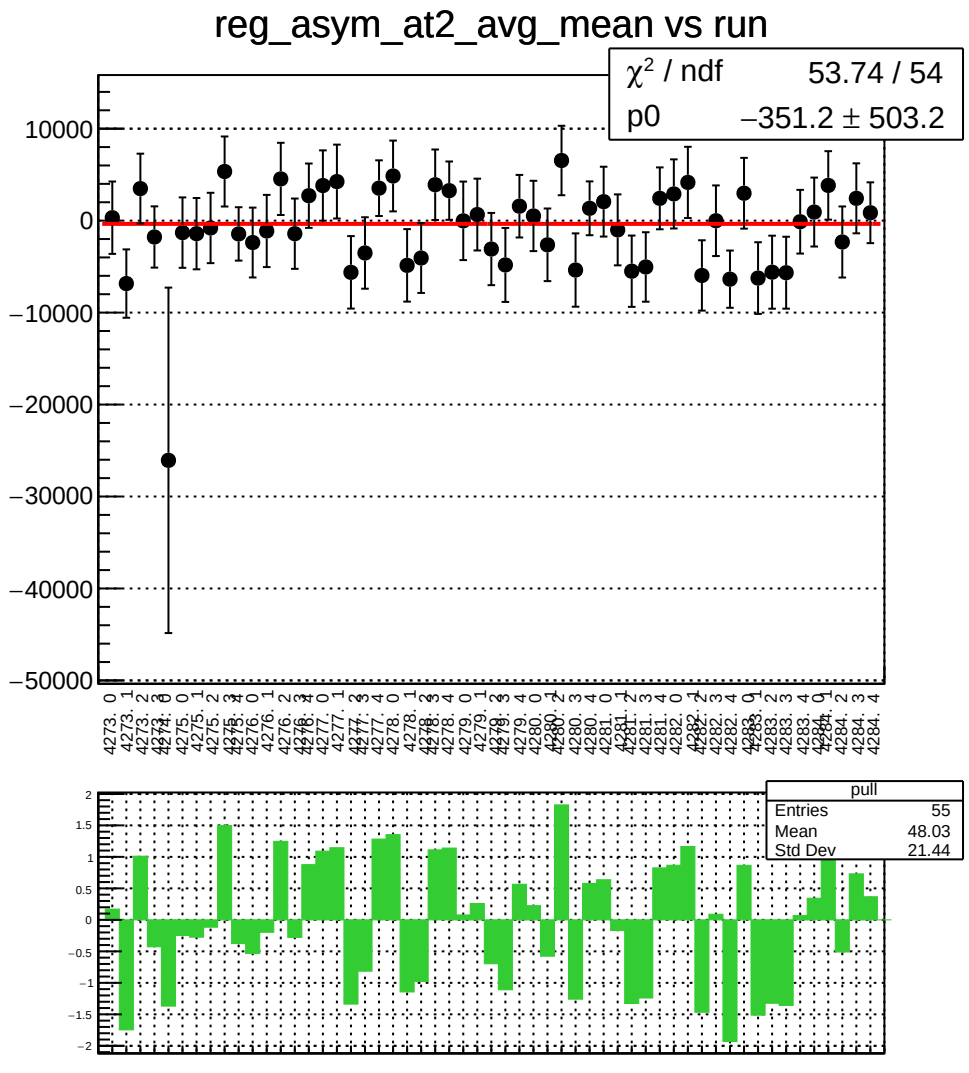
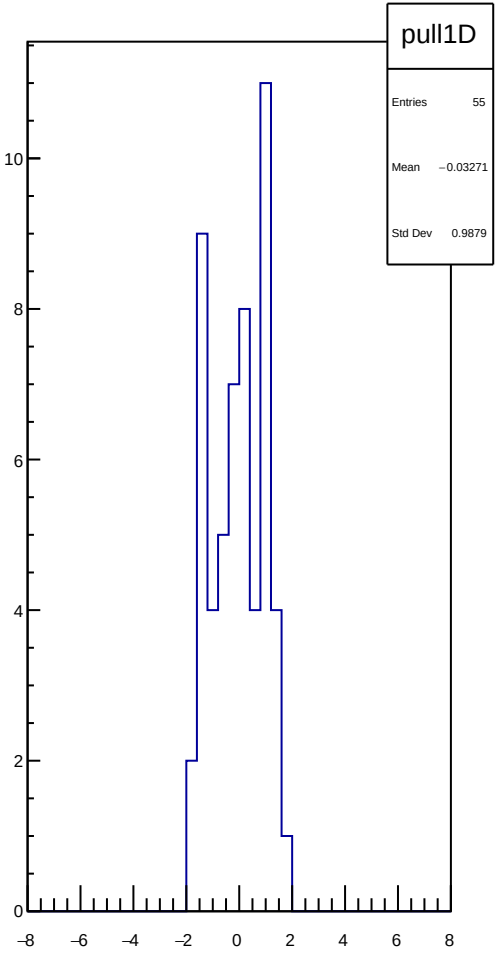
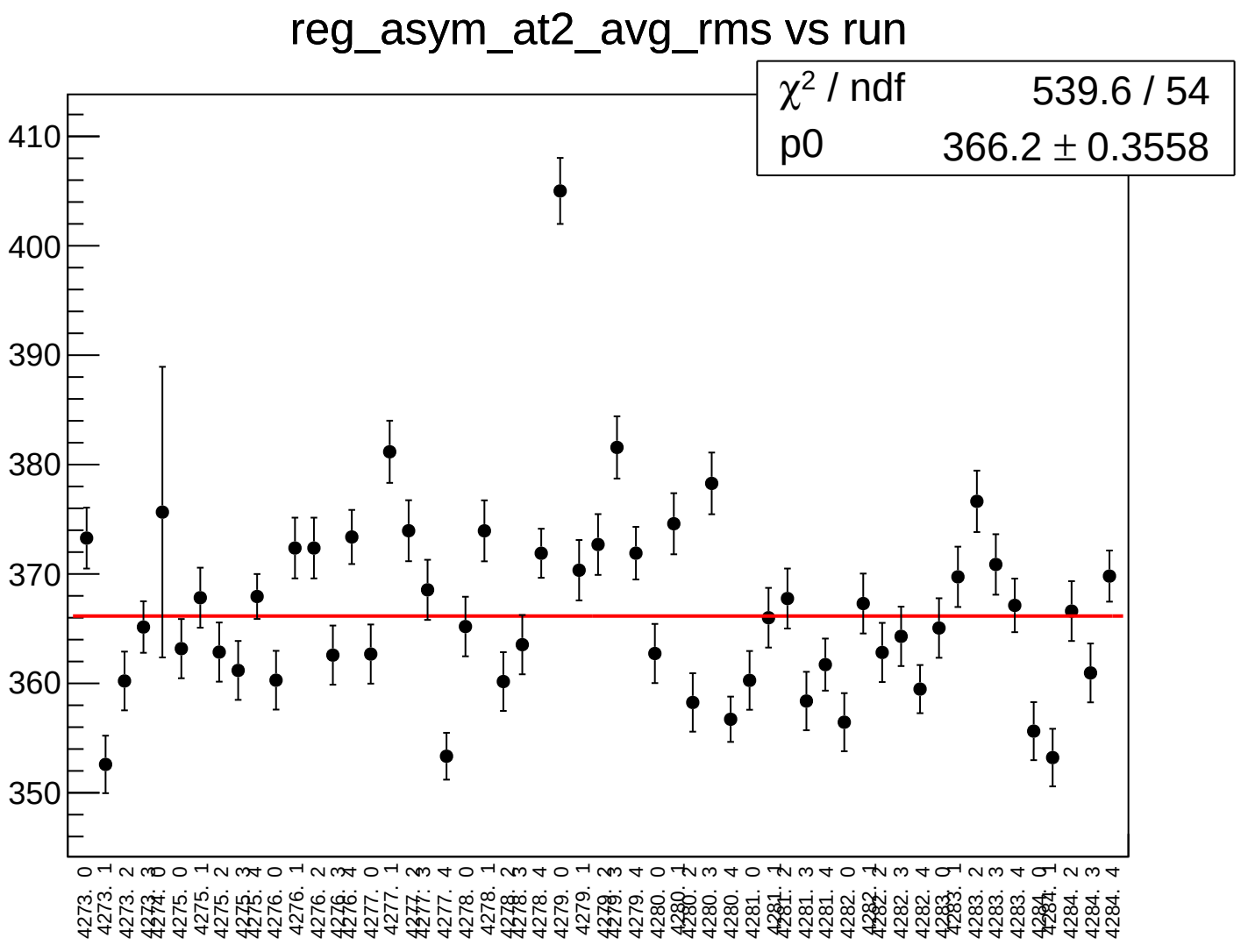
4284. 2
4284. 3
4284. 4


reg_asym_at2_avg_mean vs run
χ² / ndf 53.74 / 54
p0 −351.2 ± 503.2
pull
Entries 55
Mean 48.03
Std Dev 21.44


pull1D
Entries 55
Mean −0.03271
Std Dev 0.9879


reg_asym_at2_avg_rms vs run
χ² / ndf 539.6 / 54
p0 366.2 ± 0.3558
410
400
390
380
370
360
350
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
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4278. 2
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4279. 0
4279. 1
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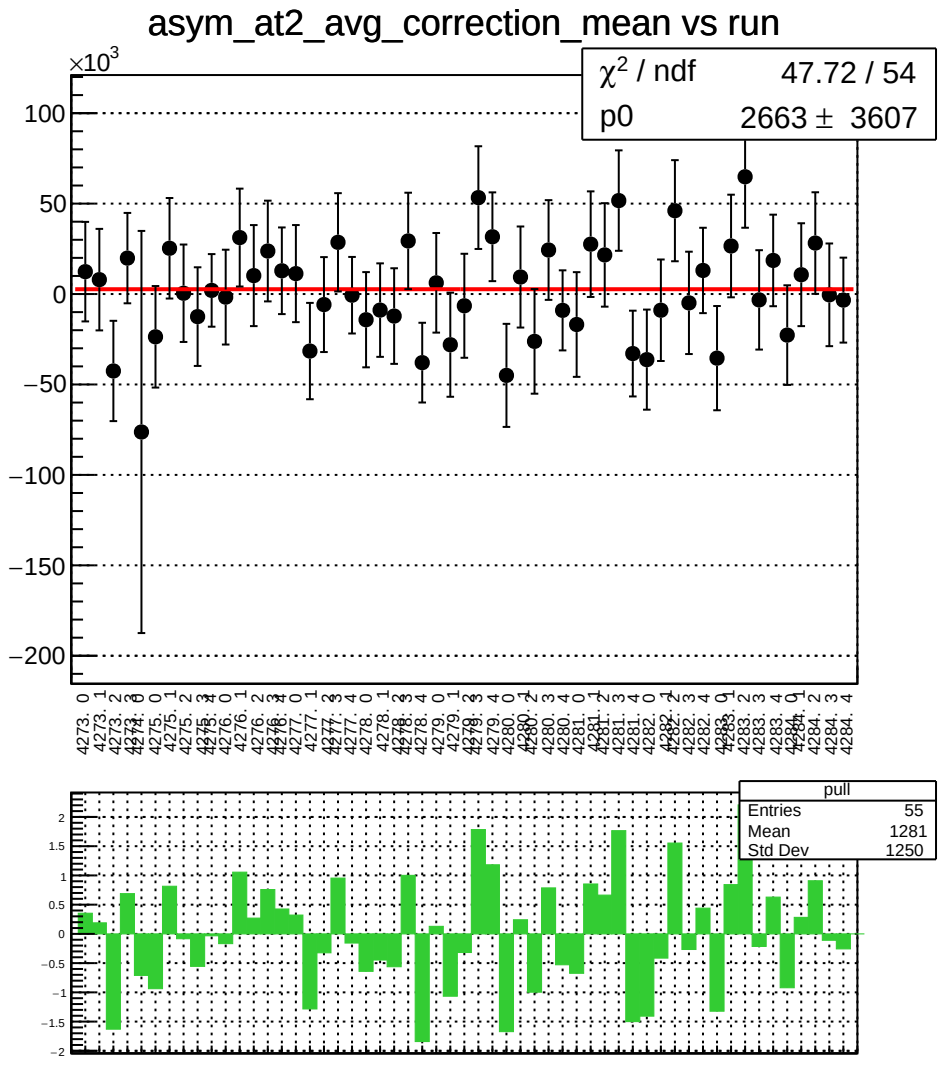
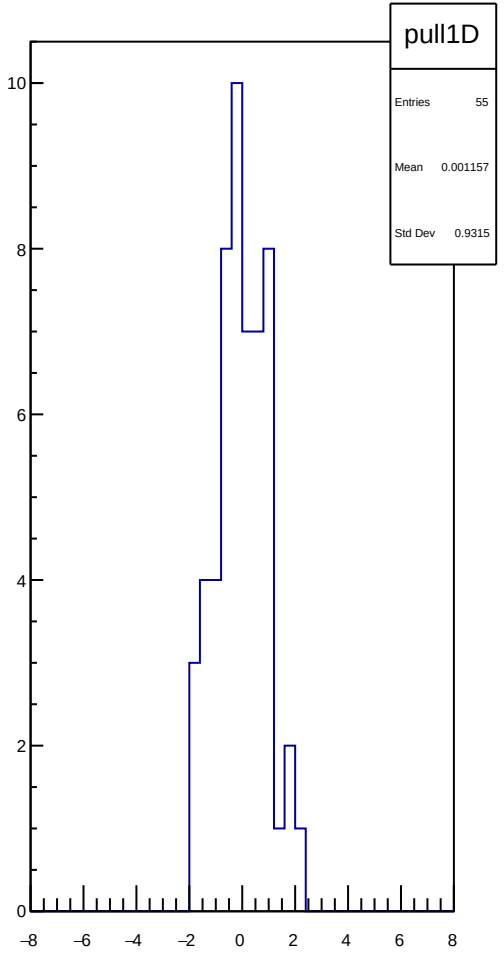
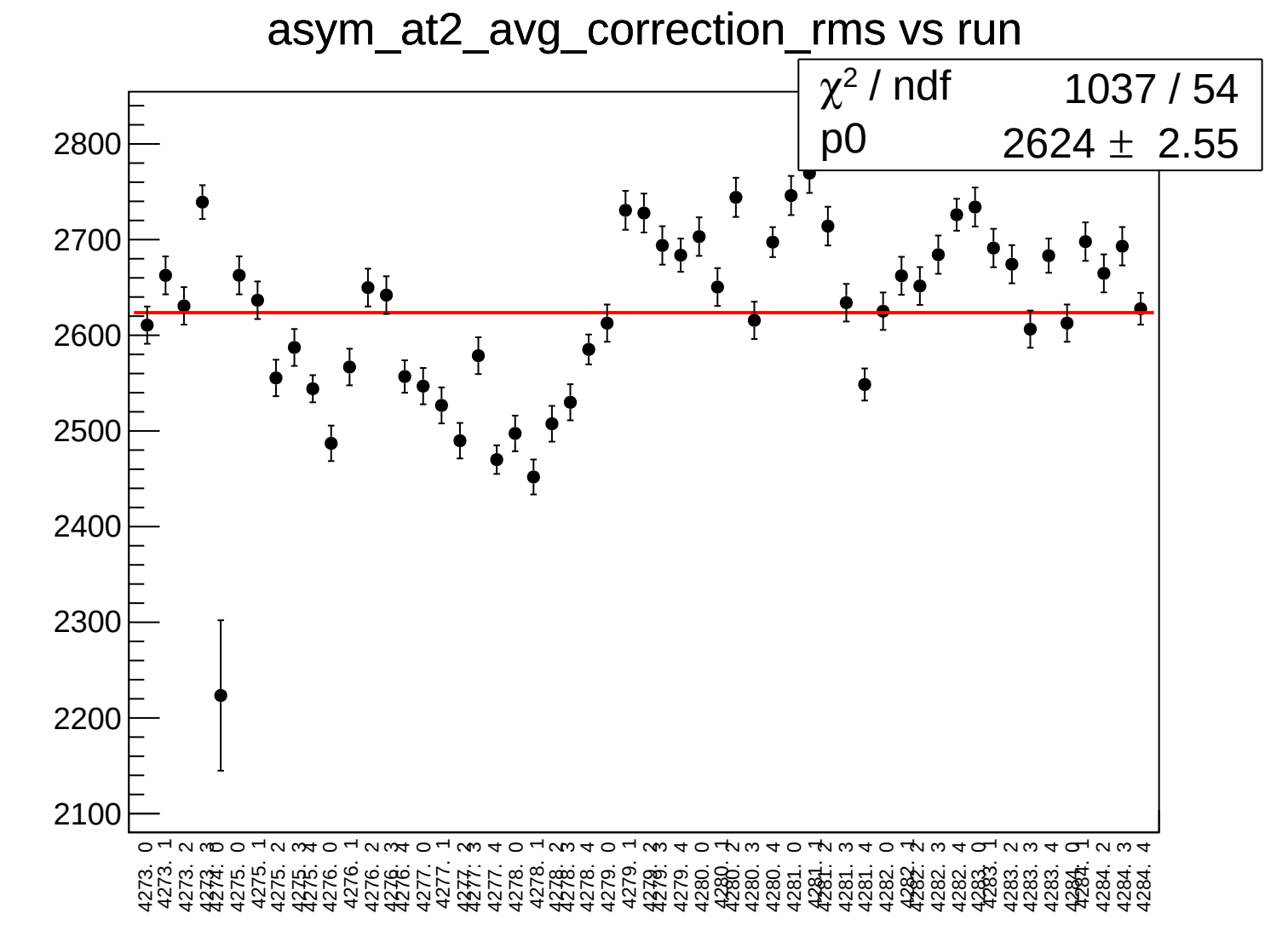
4284. 4


asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 47.72 / 54
p0 2663 ± 3607
100
50
0
−50
−100
−150
−200
pull
Entries 55
Mean 1281
Std Dev 1250
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean 0.001157
Std Dev 0.9315
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_correction_rms vs run
χ² / ndf 1037 / 54
p0 2624 ± 2.55
2800
2700
2600
2500
2400
2300
2200
2100
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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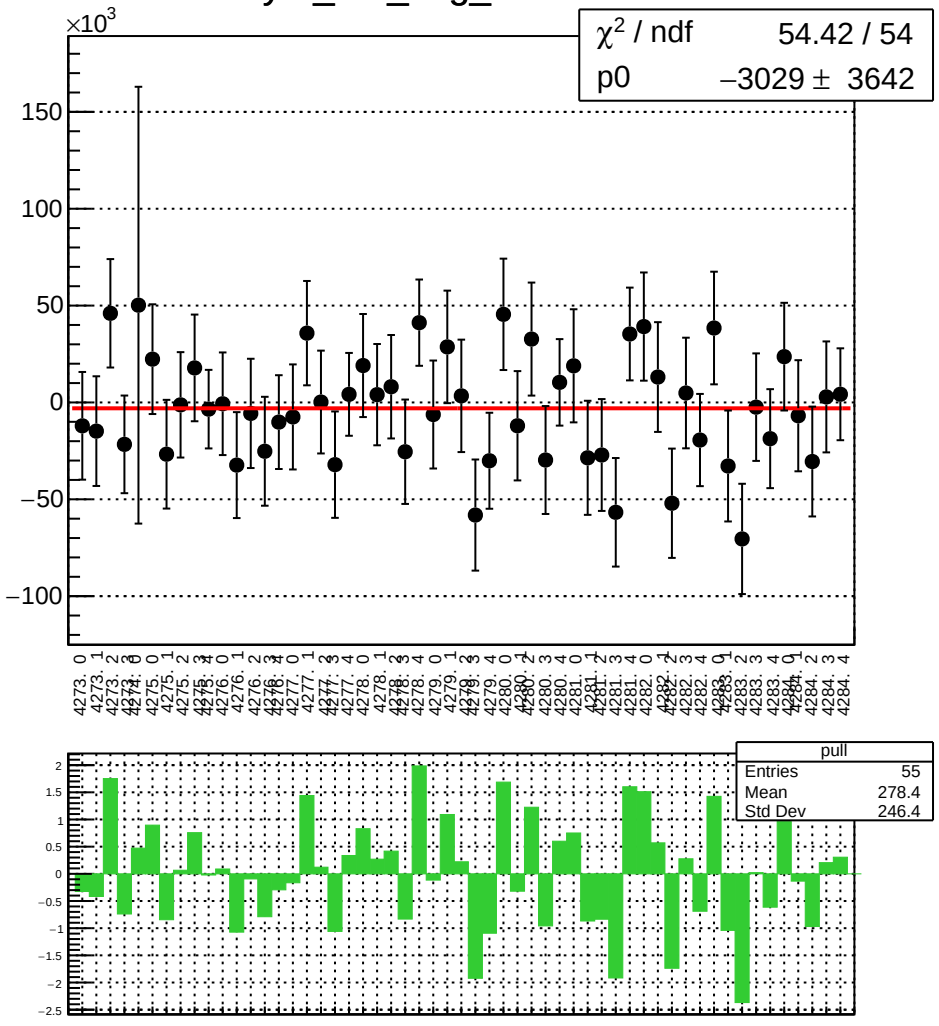
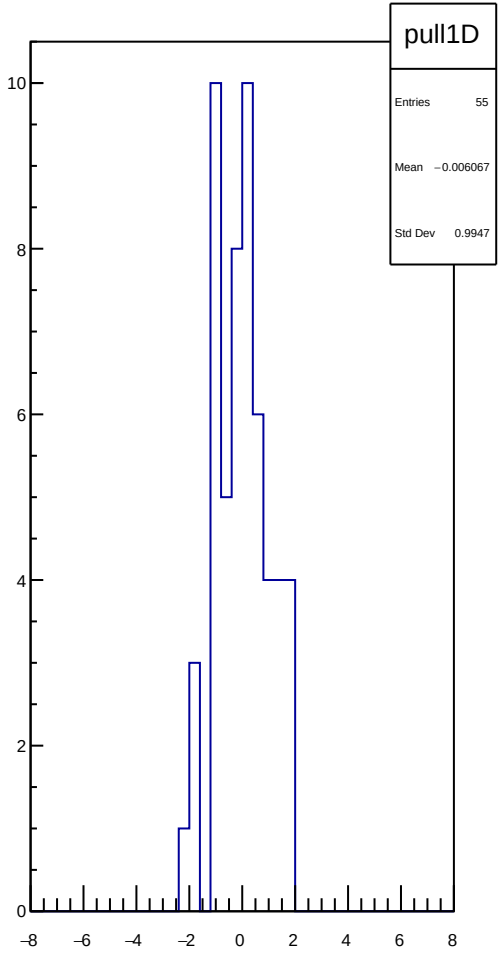
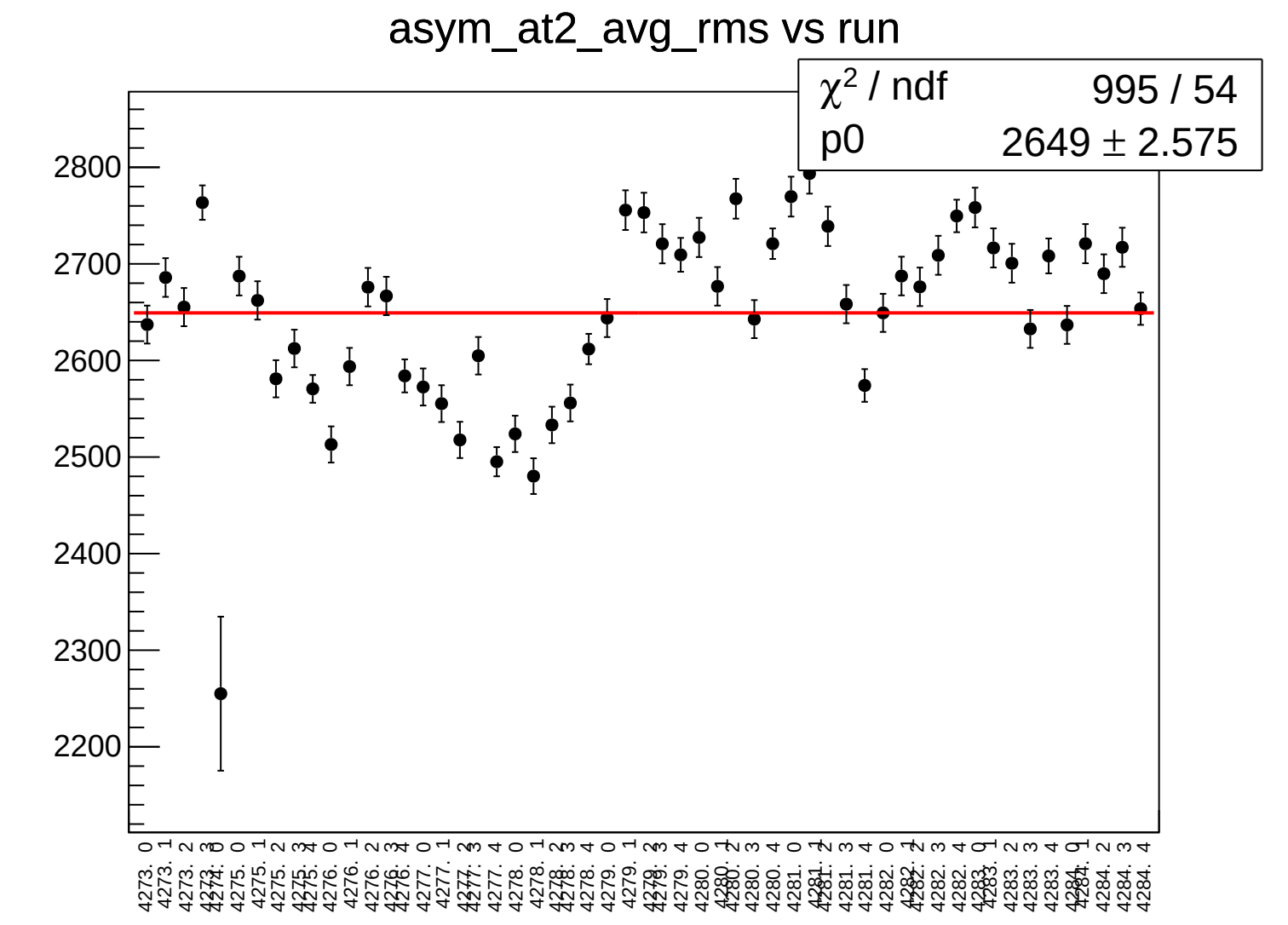
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_at2_avg_mean vs run
χ² / ndf 54.42 / 54
p0 −3029 ± 3642
×10³
150
100
50
0
−50
−100
pull
Entries 55
Mean 278.4
Std Dev 246.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 55
Mean −0.006067
Std Dev 0.9947
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_rms vs run
χ² / ndf 995 / 54
p0 2649 ± 2.575
2800
2700
2600
2500
2400
2300
2200
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
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4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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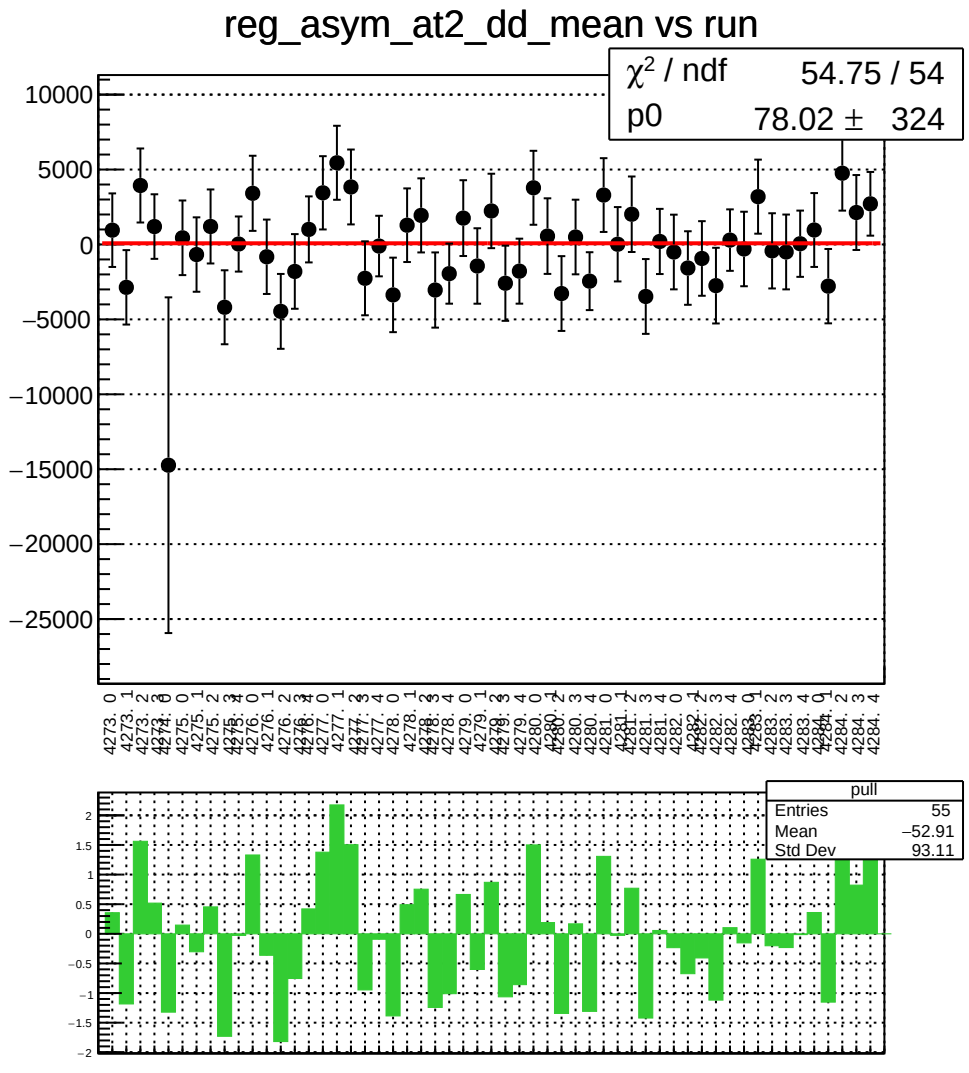
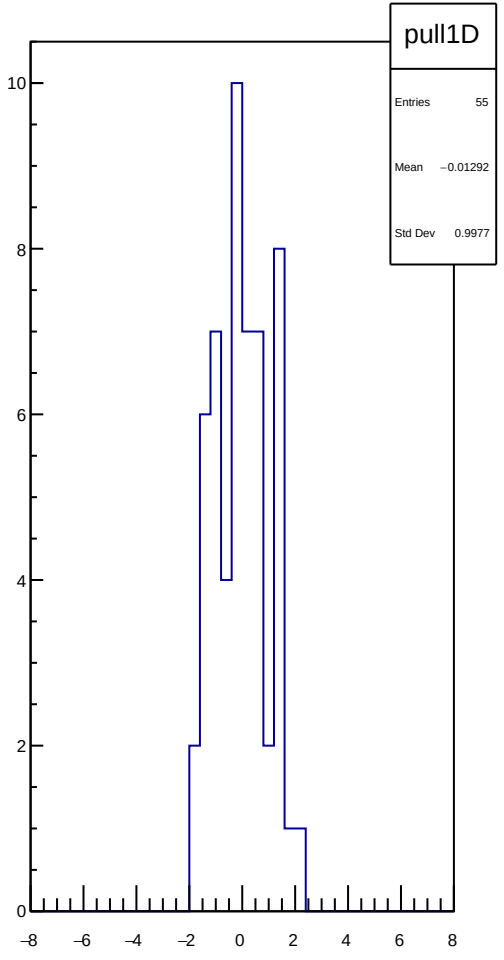
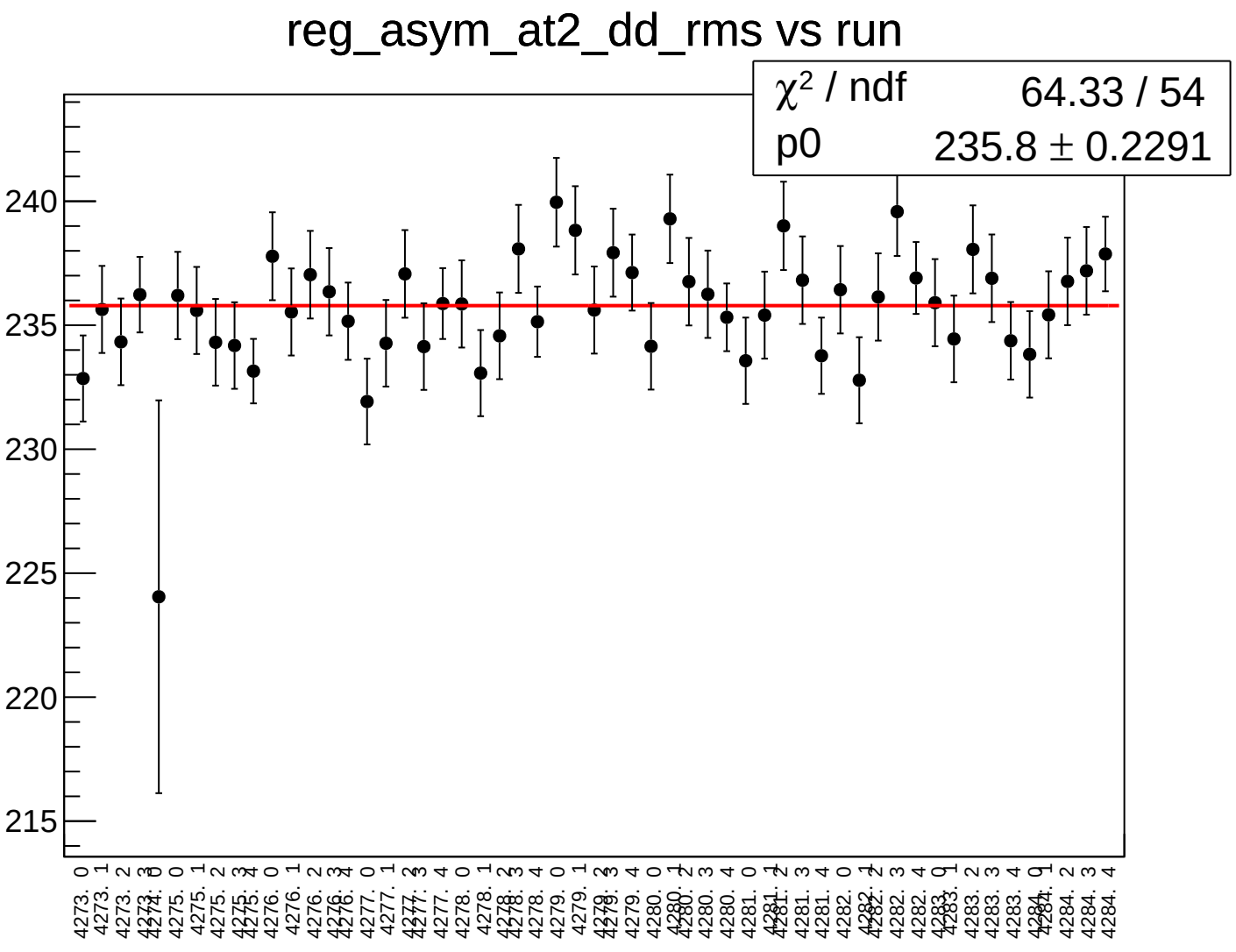
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_at2_dd_mean vs run
χ² / ndf 54.75 / 54
p0 78.02 ± 324
pull
Entries 55
Mean −52.91
Std Dev 93.11


pull1D
Entries 55
Mean −0.01292
Std Dev 0.9977


reg_asym_at2_dd_rms vs run
χ² / ndf 64.33 / 54
p0 235.8 ± 0.2291
240
235
230
225
220
215
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
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4279. 2
4279. 3
4279. 4
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4280. 4
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4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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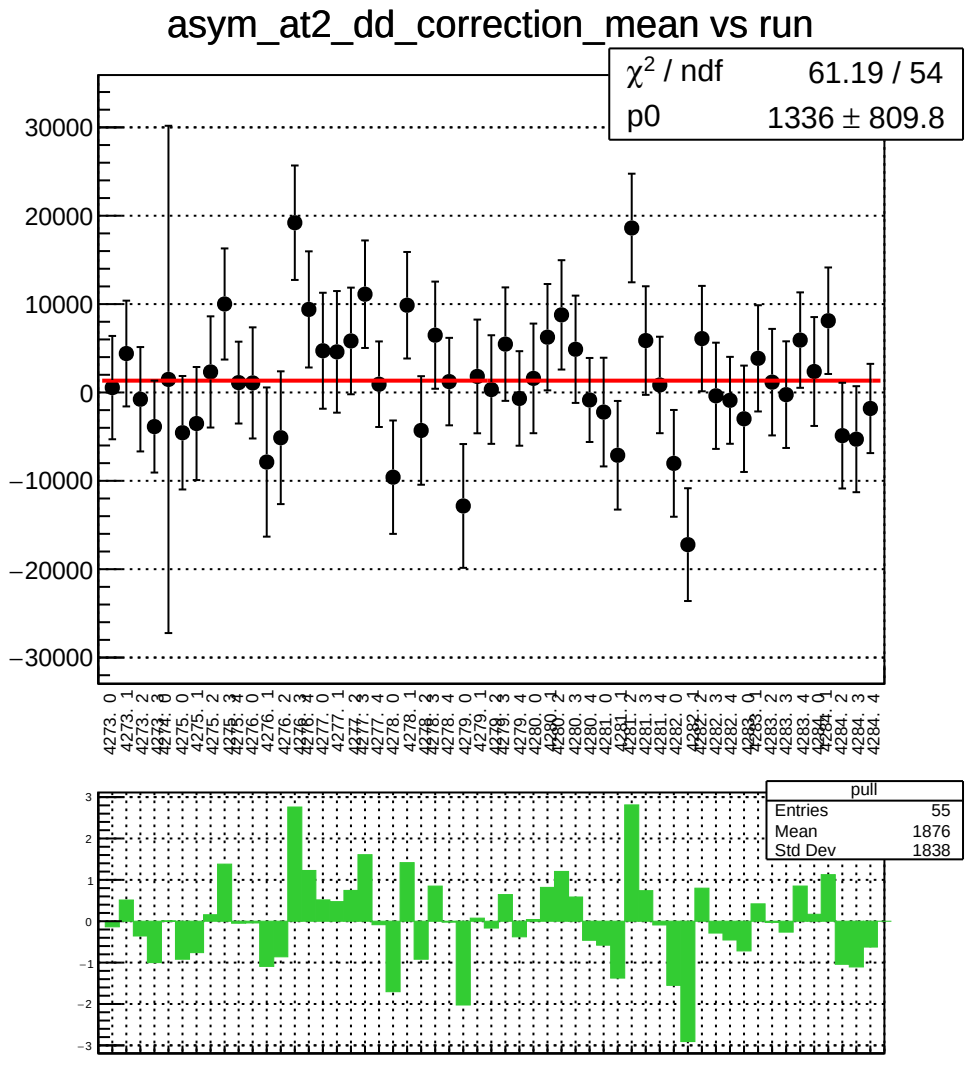
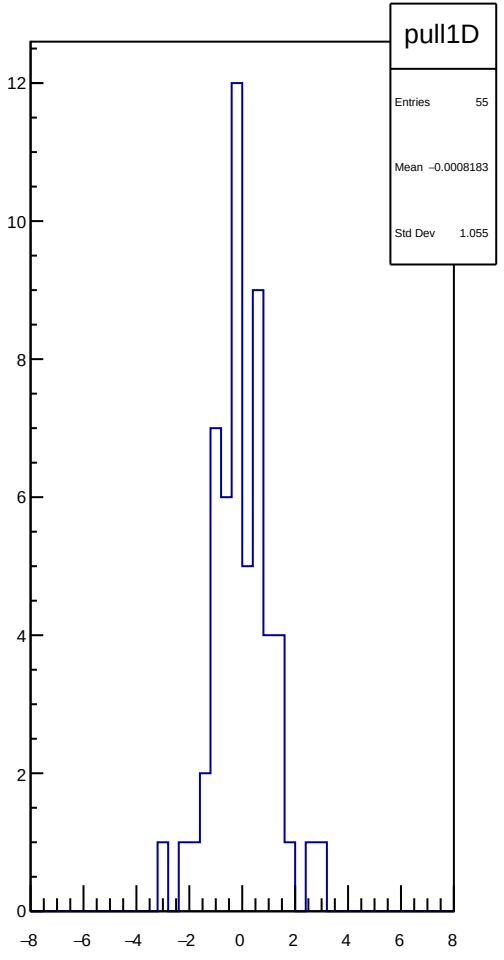
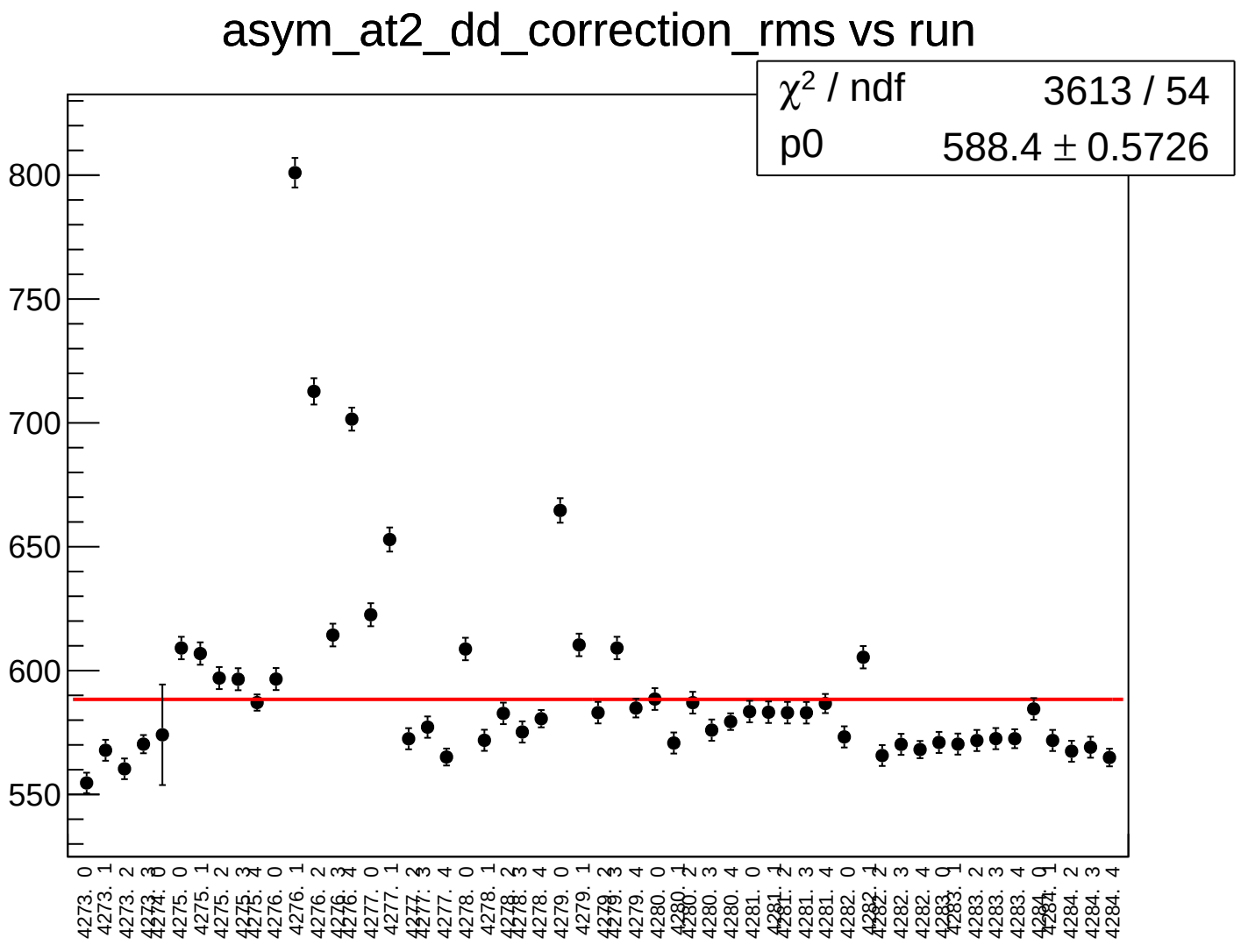
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_at2_dd_correction_mean vs run
χ² / ndf 61.19 / 54
p0 1336 ± 809.8
pull
Entries 55
Mean 1876
Std Dev 1838


pull1D
Entries 55
Mean −0.0008183
Std Dev 1.055


asym_at2_dd_correction_rms vs run
χ² / ndf 3613 / 54
p0 588.4 ± 0.5726
800
750
700
650
600
550
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
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4282. 2
4282. 3
4282. 4
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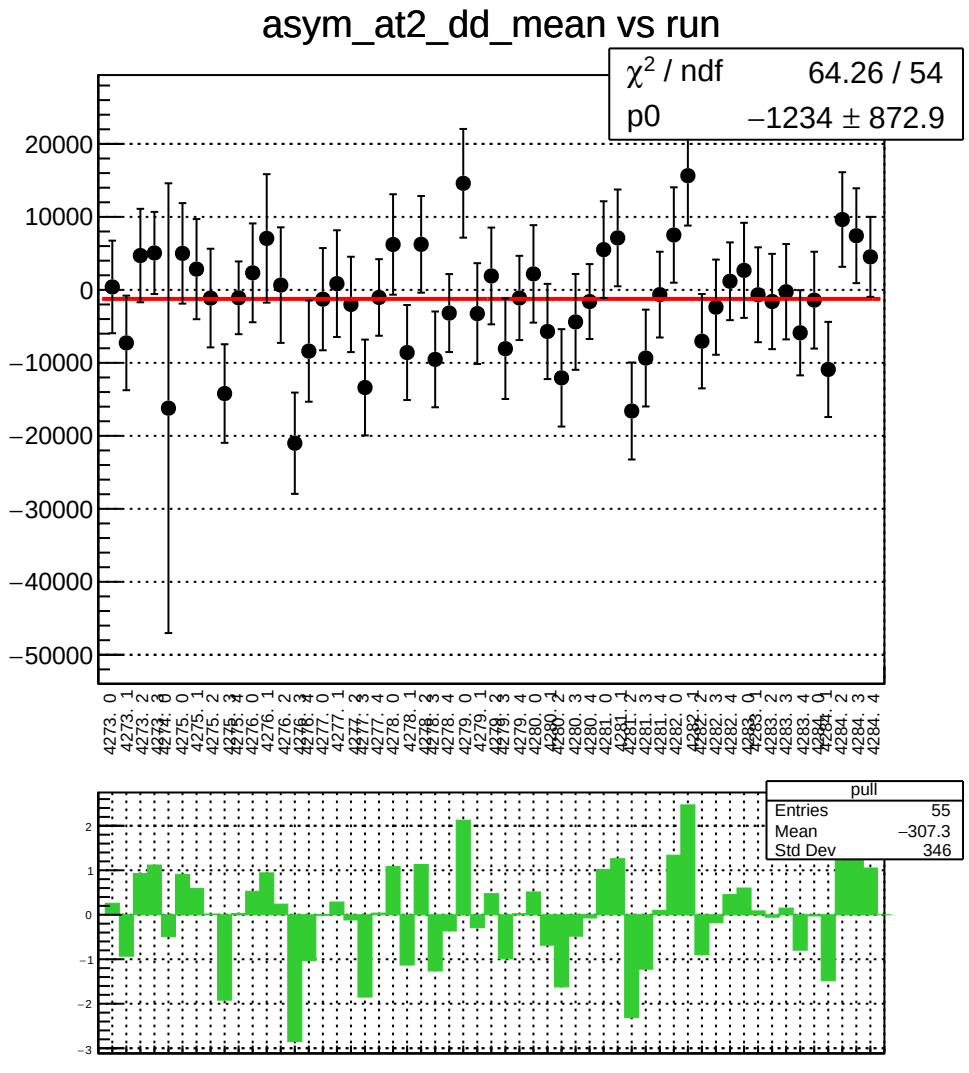
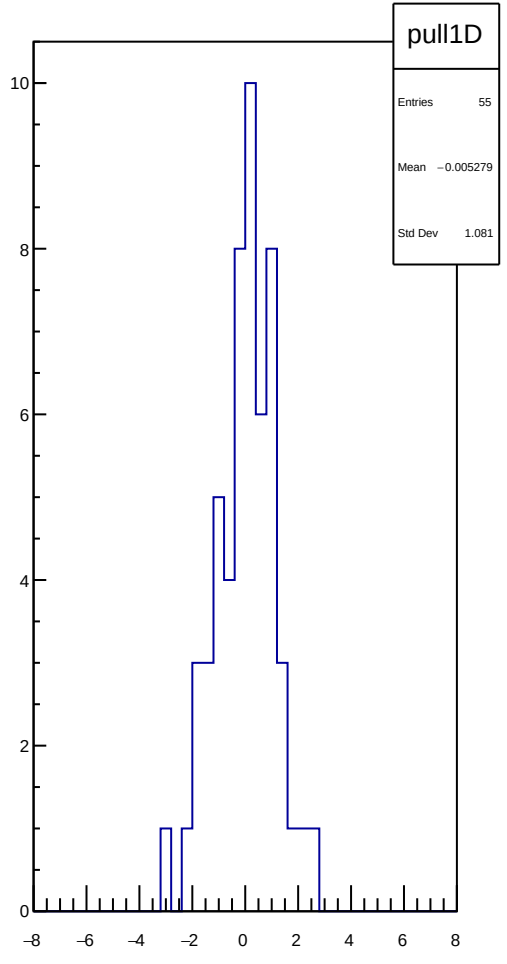
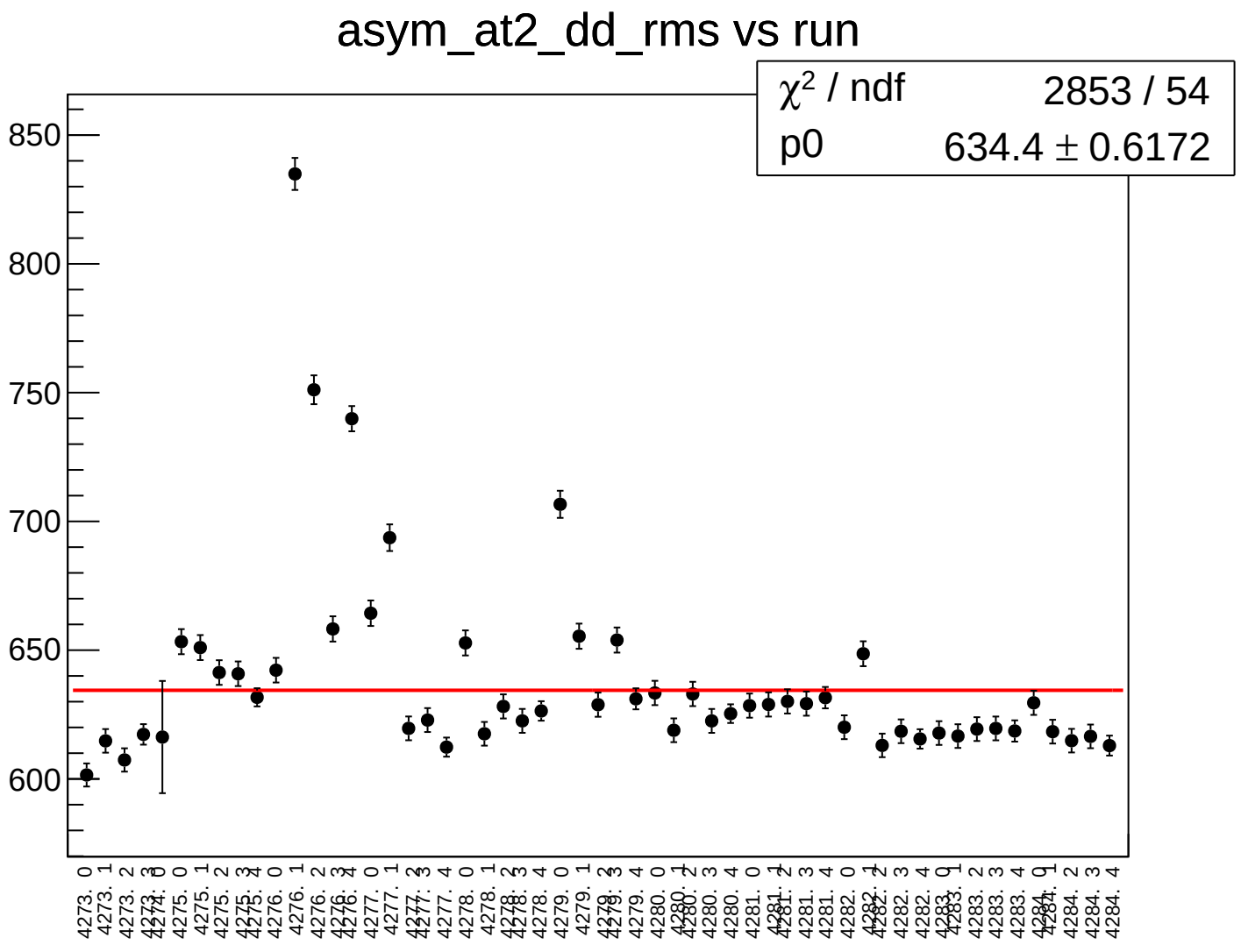
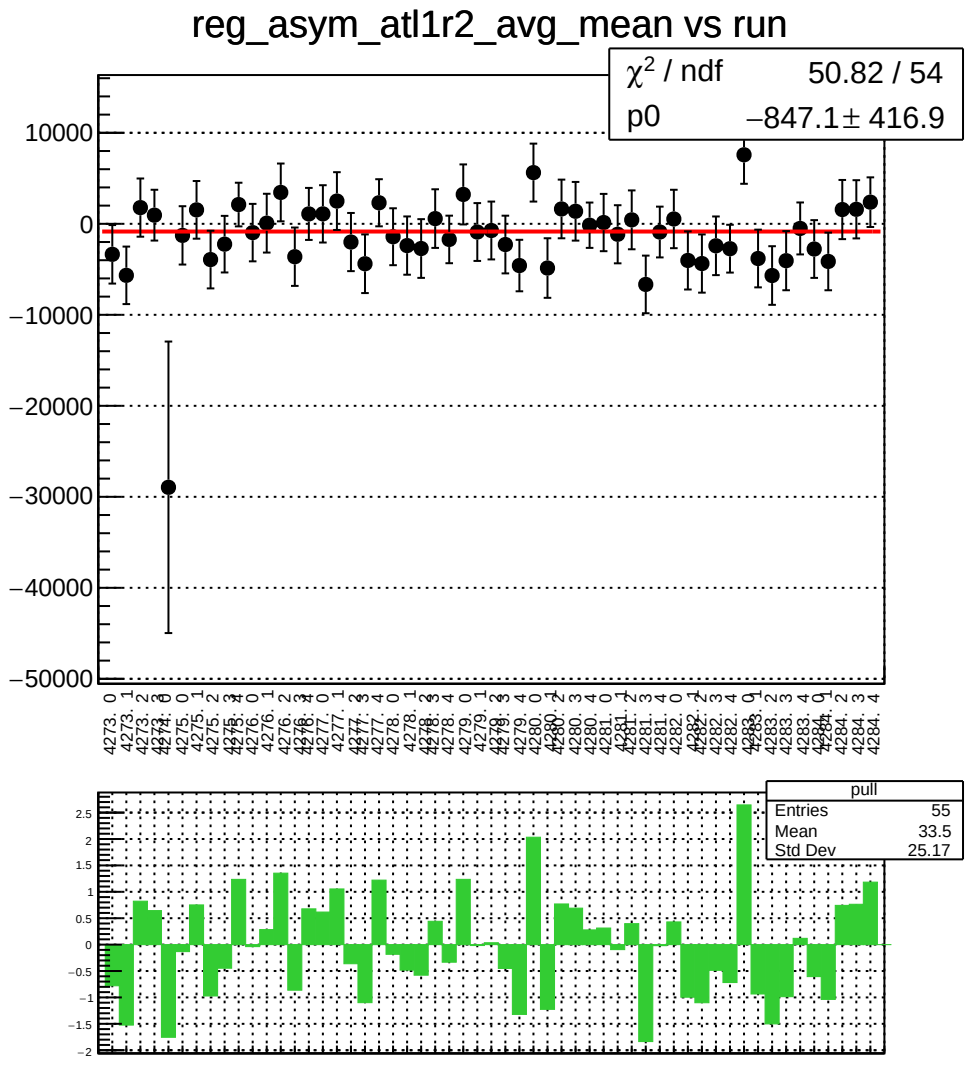
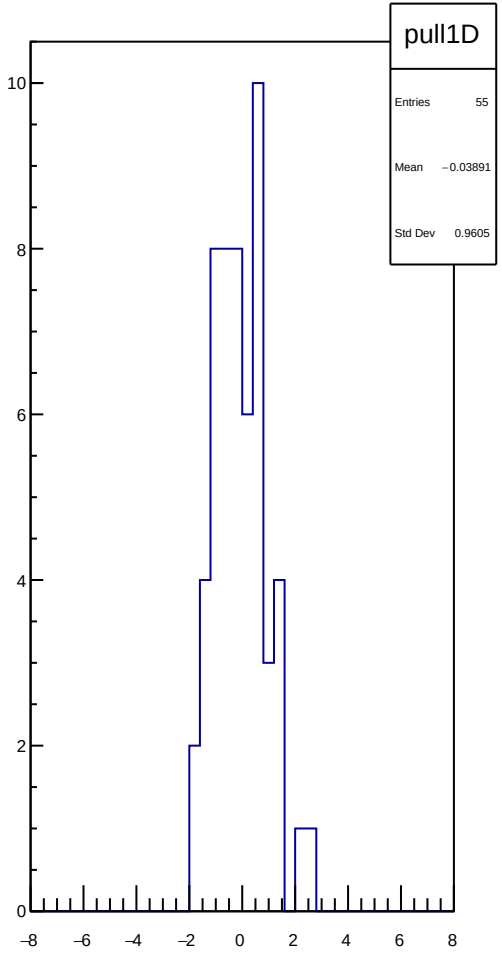
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

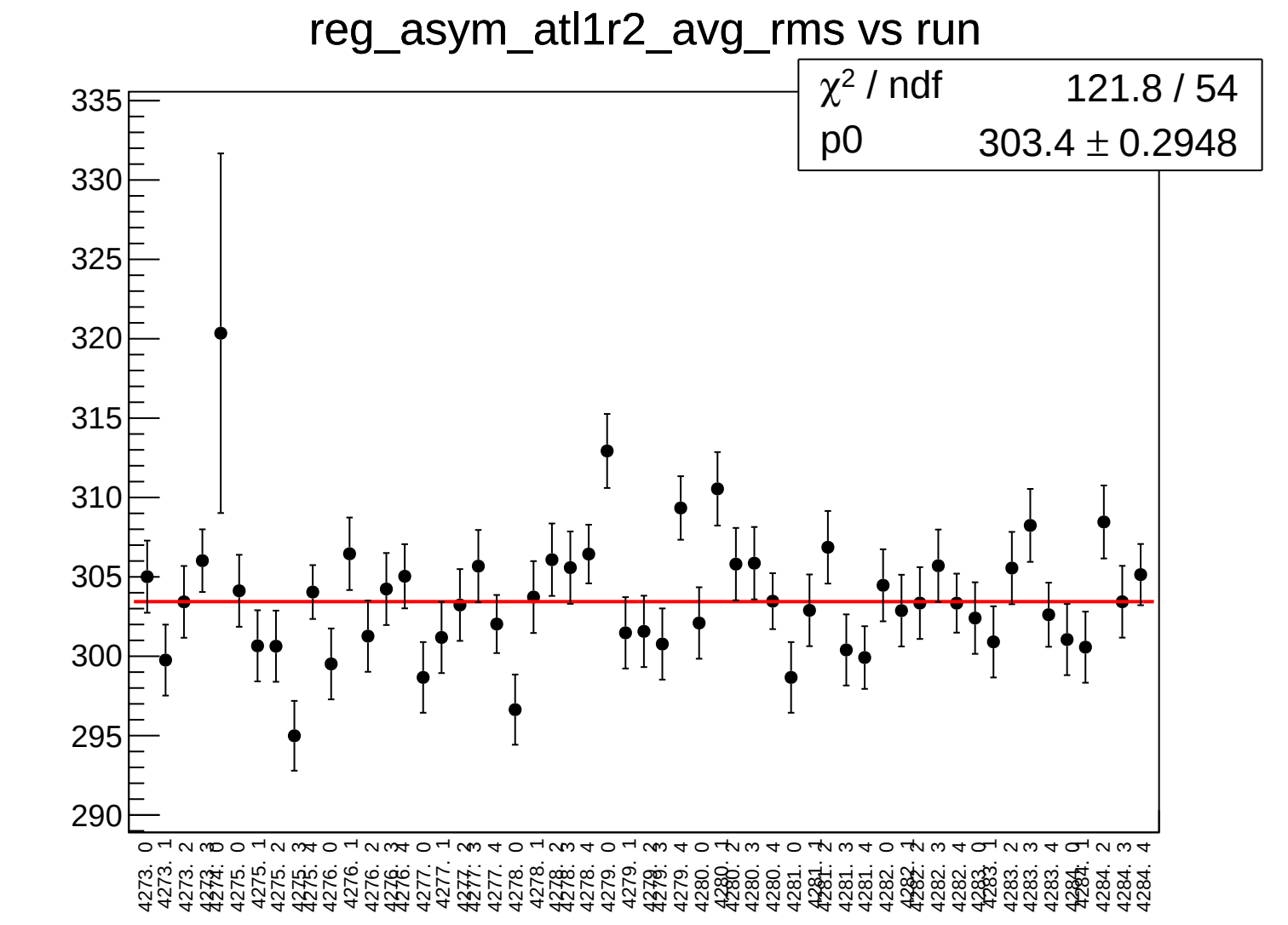

asym_at2_dd_mean vs run
χ² / ndf 64.26 / 54
p0 −1234 ± 872.9
pull
Entries 55
Mean −307.3
Std Dev 346


pull1D
Entries 55
Mean −0.005279
Std Dev 1.081


asym_at2_dd_rms vs run
χ² / ndf 2853 / 54
p0 634.4 ± 0.6172
850
800
750
700
650
600
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_atl1r2_avg_mean vs run
χ² / ndf 50.82 / 54
p0 −847.1± 416.9
pull
Entries 55
Mean 33.5
Std Dev 25.17


pull1D
Entries 55
Mean −0.03891
Std Dev 0.9605


reg_asym_atl1r2_avg_rms vs run
χ² / ndf 121.8 / 54
p0 303.4 ± 0.2948
335
330
325
320
315
310
305
300
295
290
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
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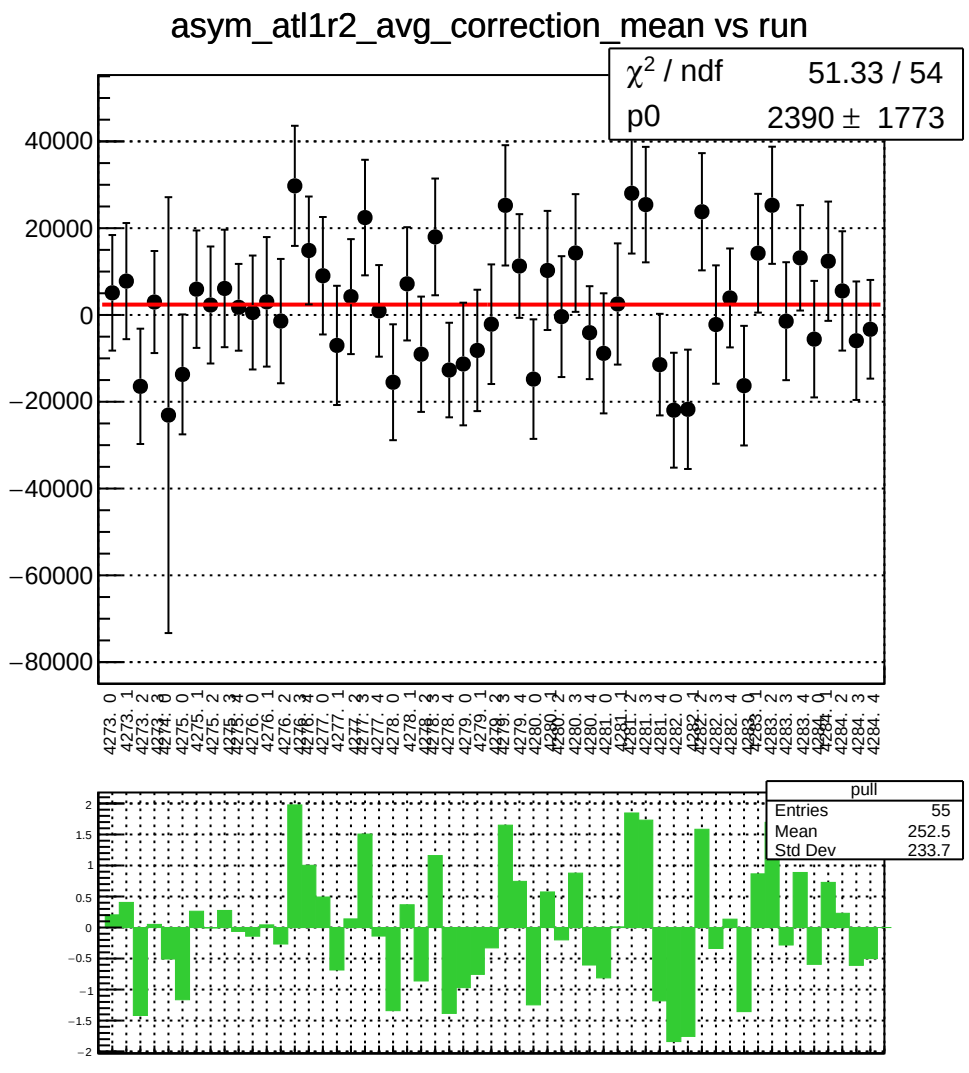
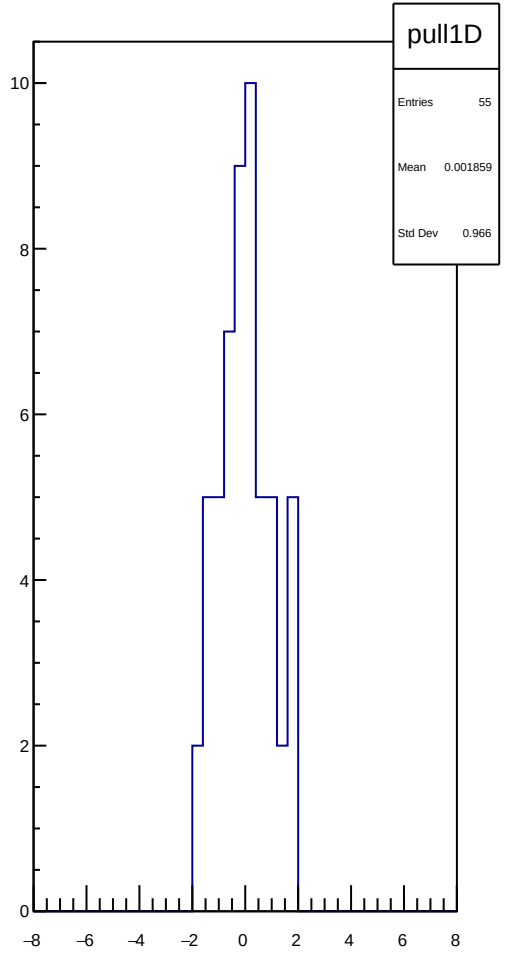
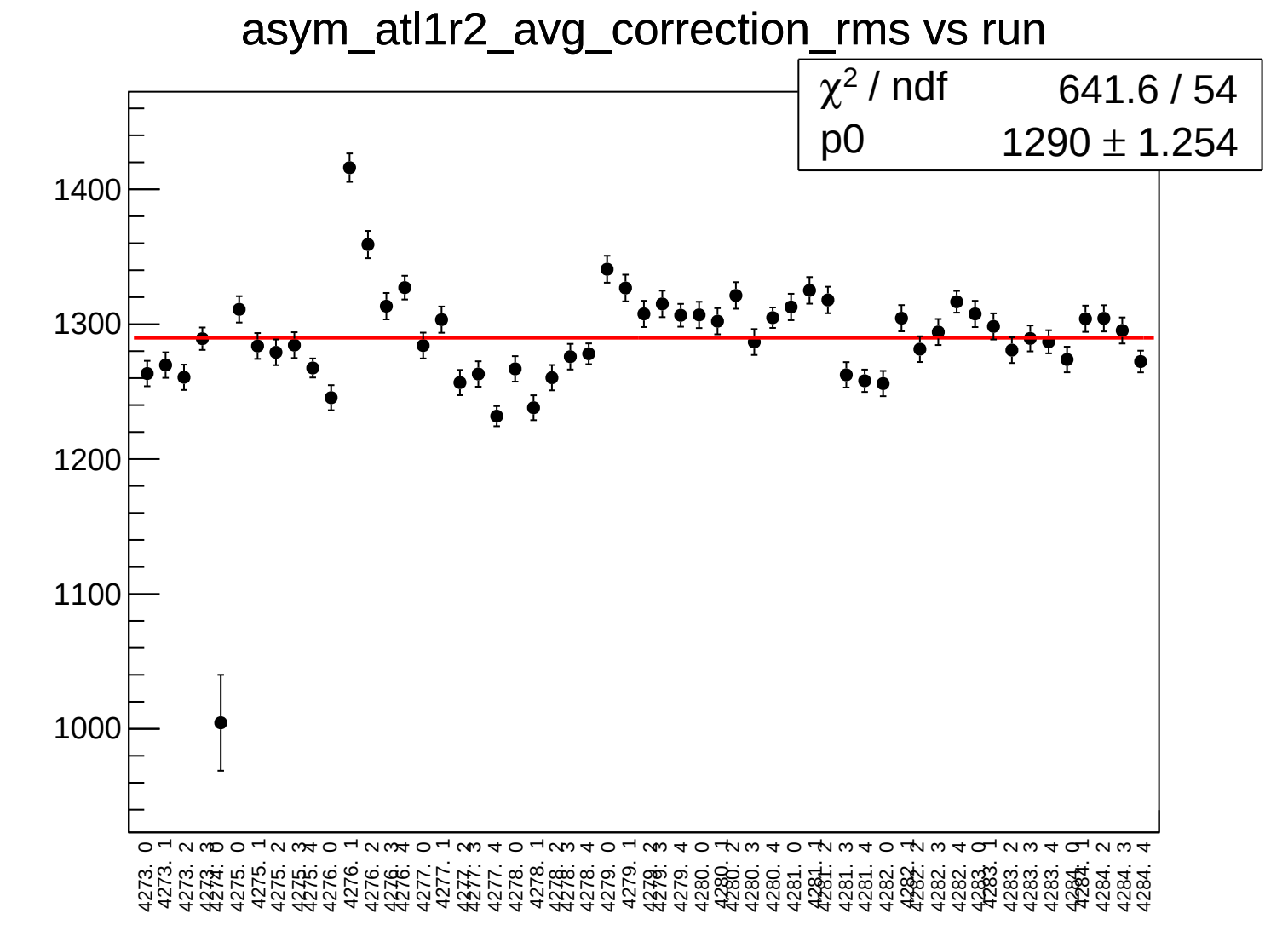
4284. 3
4284. 4


asym_atl1r2_avg_correction_mean vs run
χ^2 / ndf 51.33 / 54
p0 2390 ± 1773
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 55
Mean 252.5
Std Dev 233.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean 0.001859
Std Dev 0.966
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_correction_rms vs run
χ² / ndf 641.6 / 54
p0 1290 ± 1.254
1400
1300
1200
1100
1000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
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4282. 2
4282. 3
4282. 4
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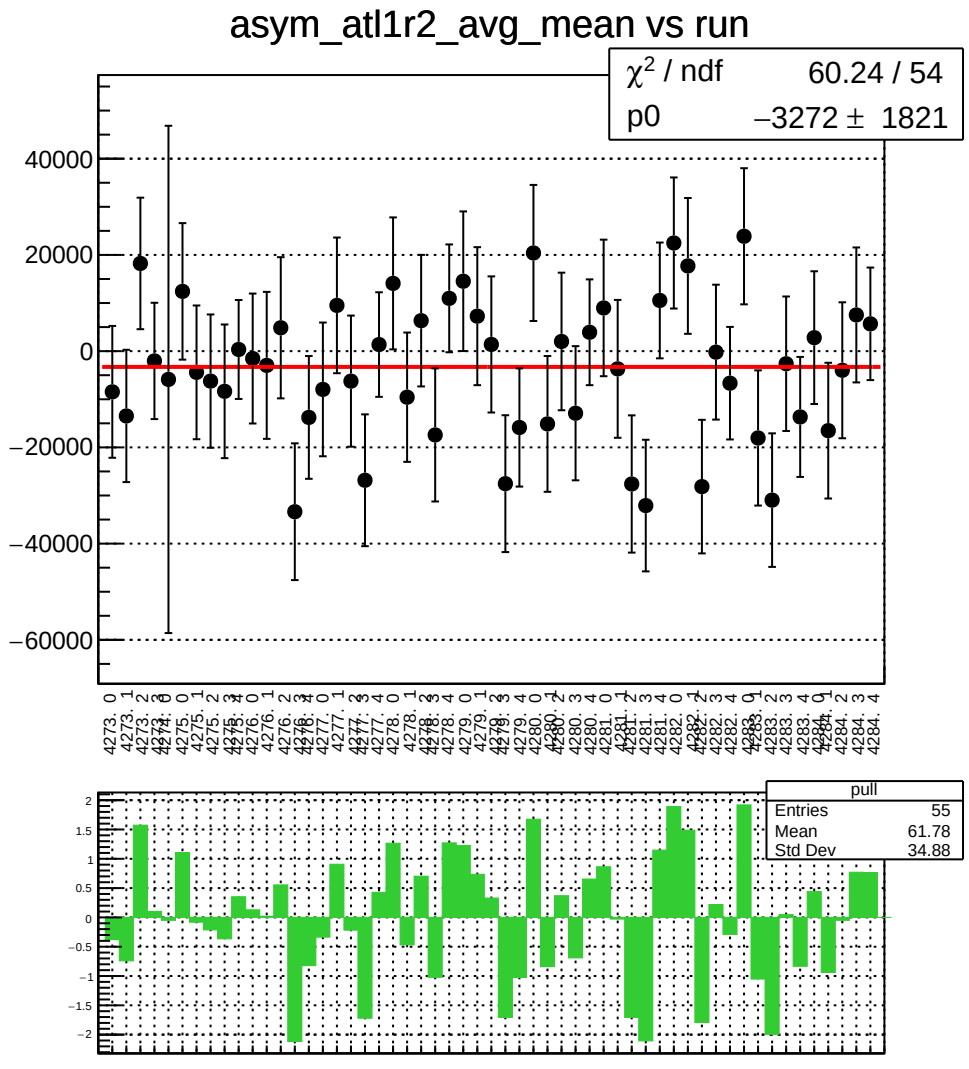
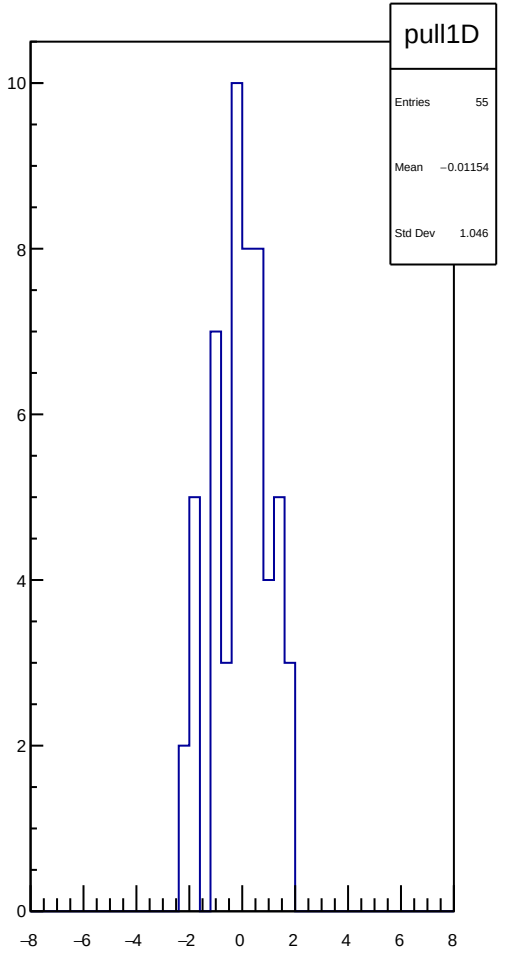
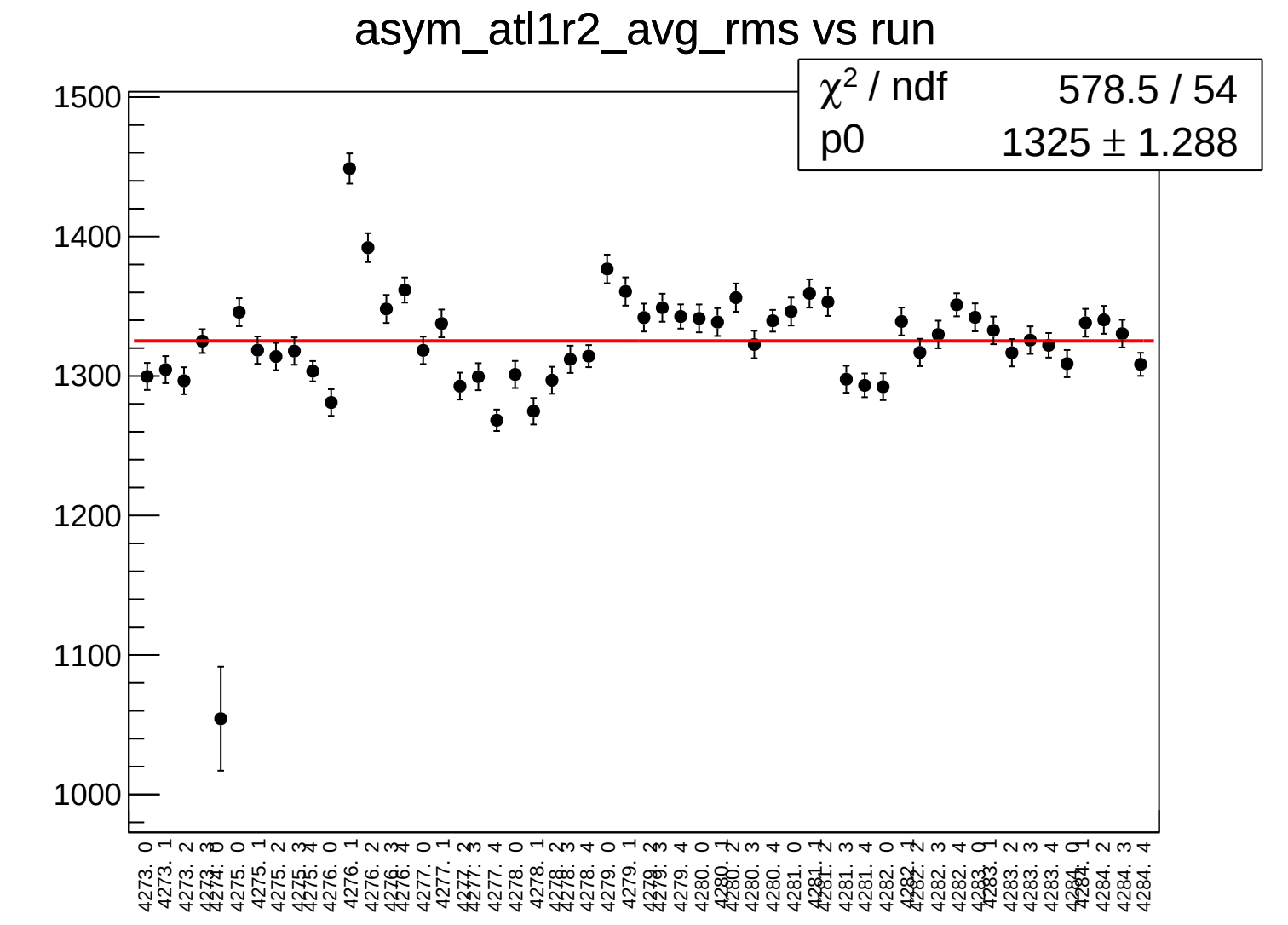
4284. 4


asym_atl1r2_avg_mean vs run
χ² / ndf 60.24 / 54
p0 −3272 ± 1821
40000
20000
0
−20000
−40000
−60000
pull
Entries 55
Mean 61.78
Std Dev 34.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.01154
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_rms vs run
χ² / ndf 578.5 / 54
p0 1325 ± 1.288
1500
1400
1300
1200
1100
1000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
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4275. 3
4275. 4
4276. 0
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4277. 3
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4278. 0
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4279. 0
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4279. 2
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4279. 4
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4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
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4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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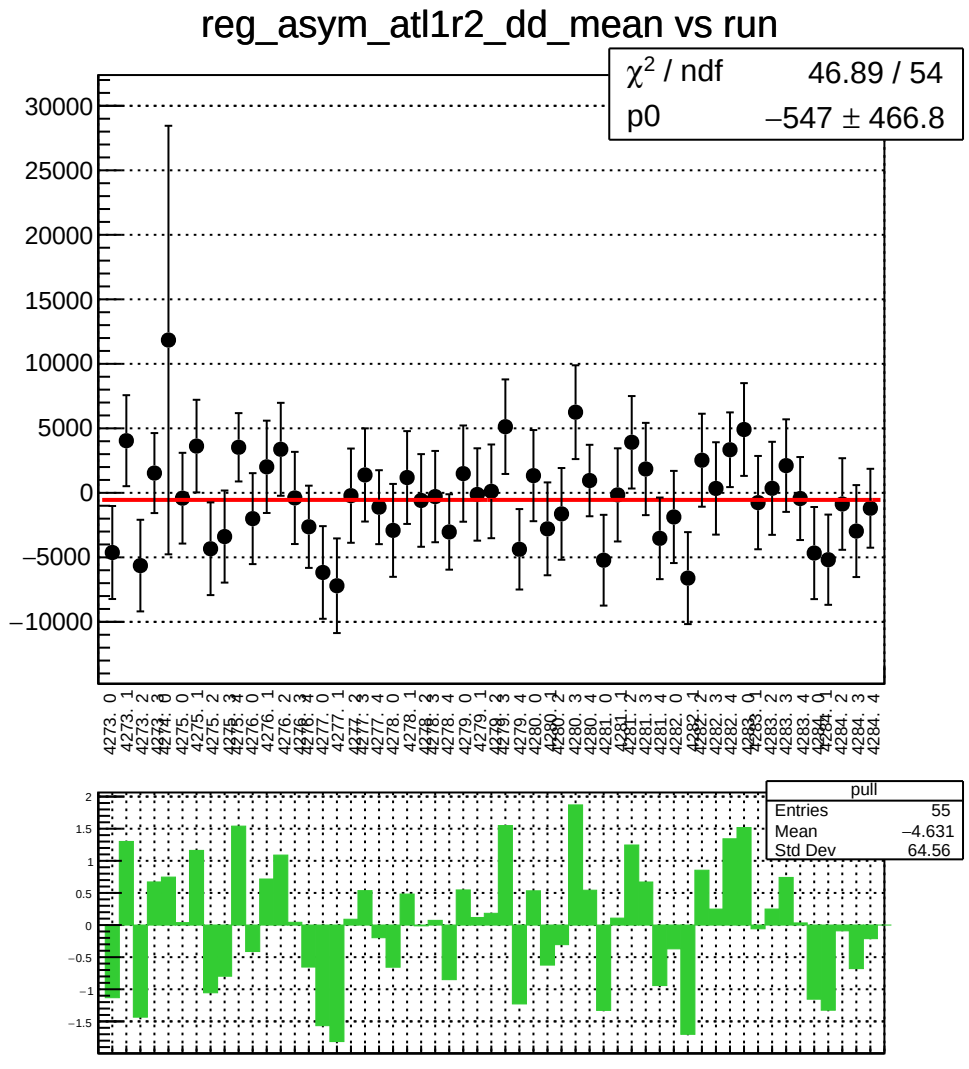
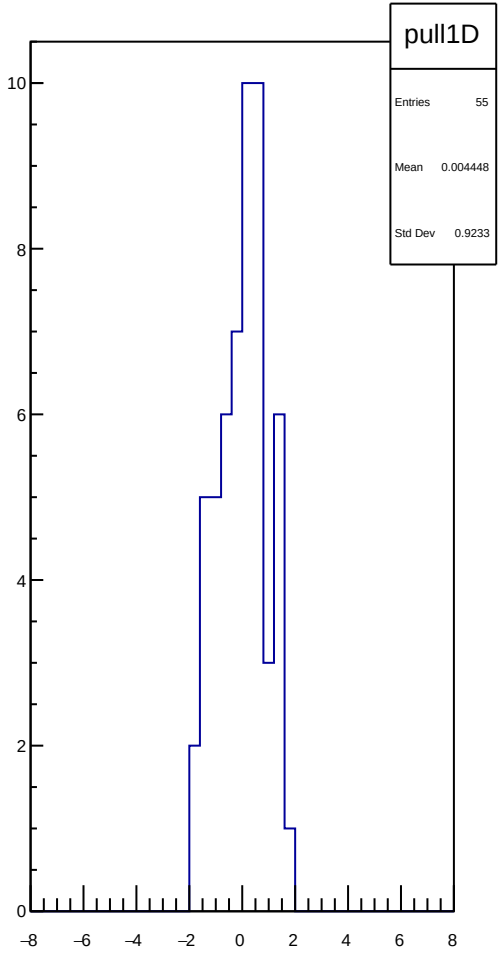
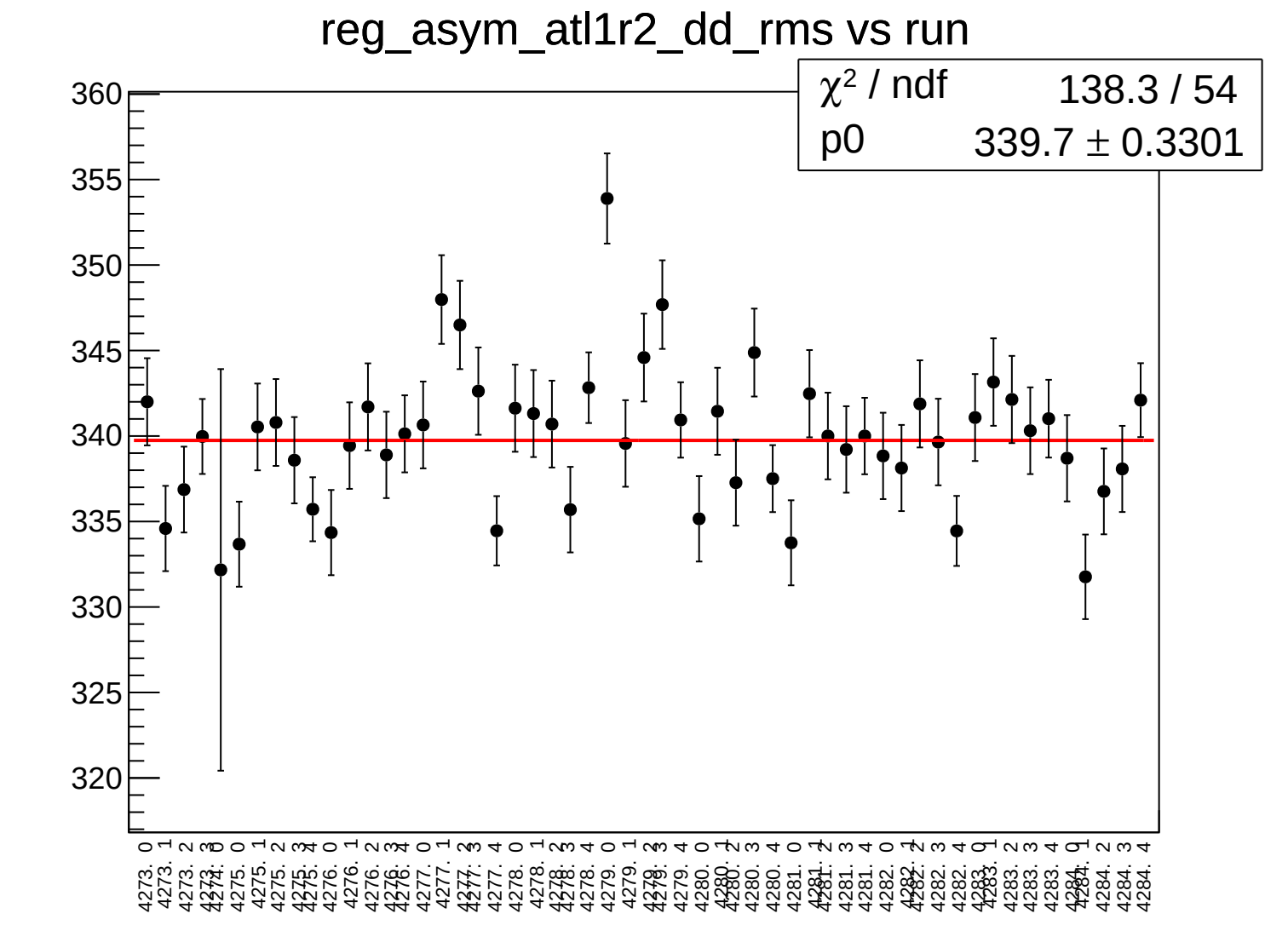
4284. 4


reg_asym_atl1r2_dd_mean vs run
χ² / ndf 46.89 / 54
p0 −547 ± 466.8
pull
Entries 55
Mean −4.631
Std Dev 64.56


pull1D
Entries 55
Mean 0.004448
Std Dev 0.9233


reg_asym_atl1r2_dd_rms vs run
χ² / ndf 138.3 / 54
p0 339.7 ± 0.3301
360
355
350
345
340
335
330
325
320
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
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4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
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4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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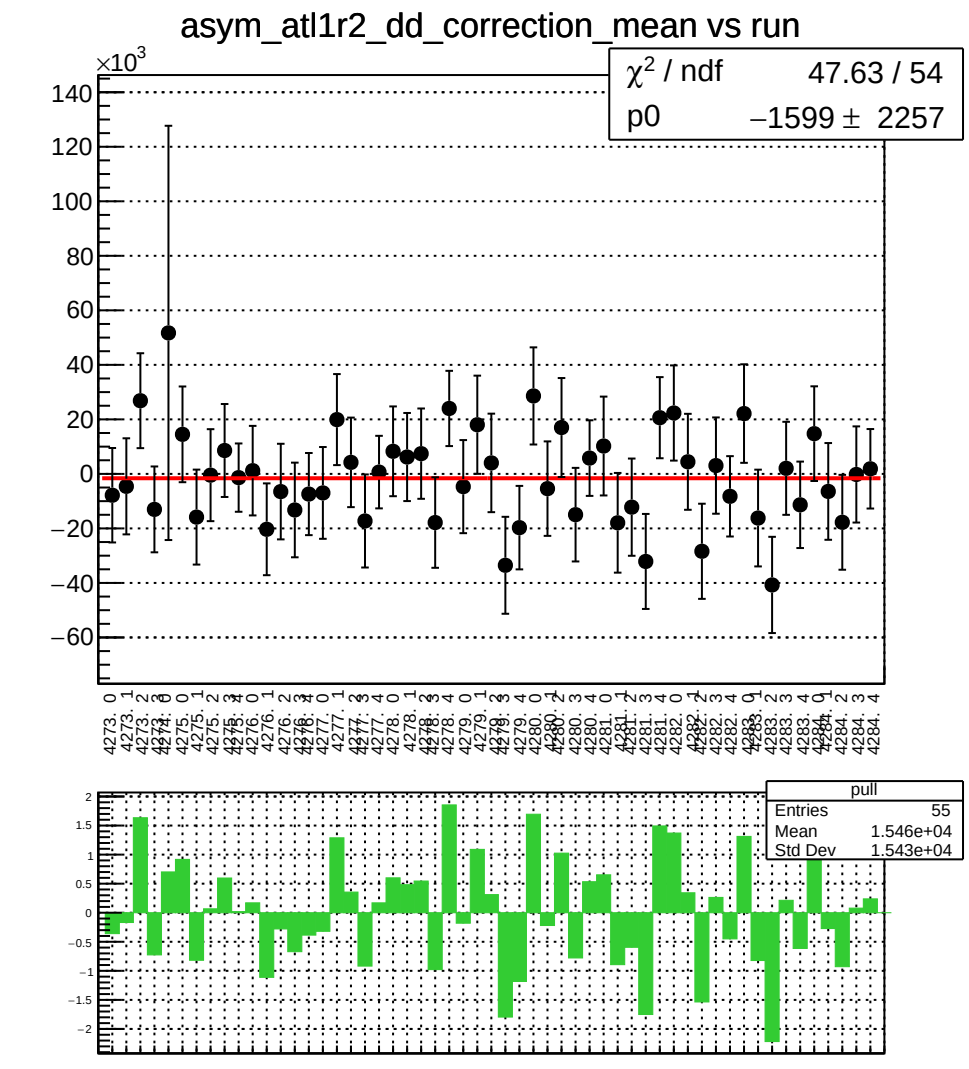
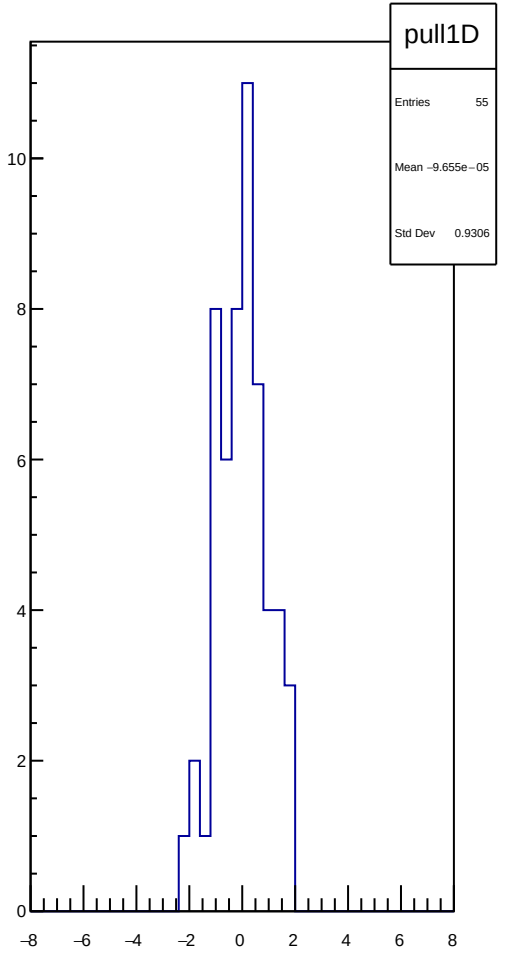
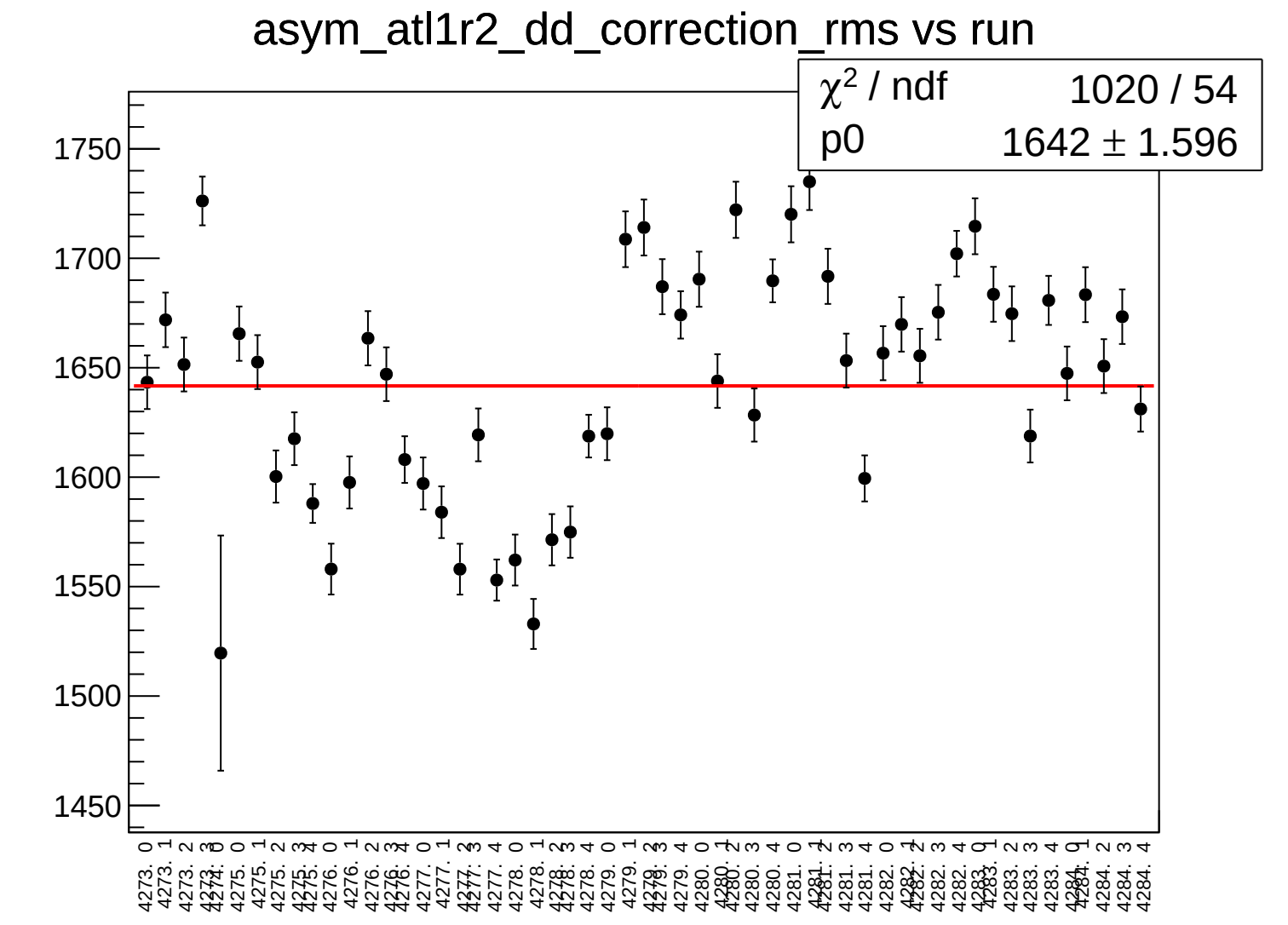
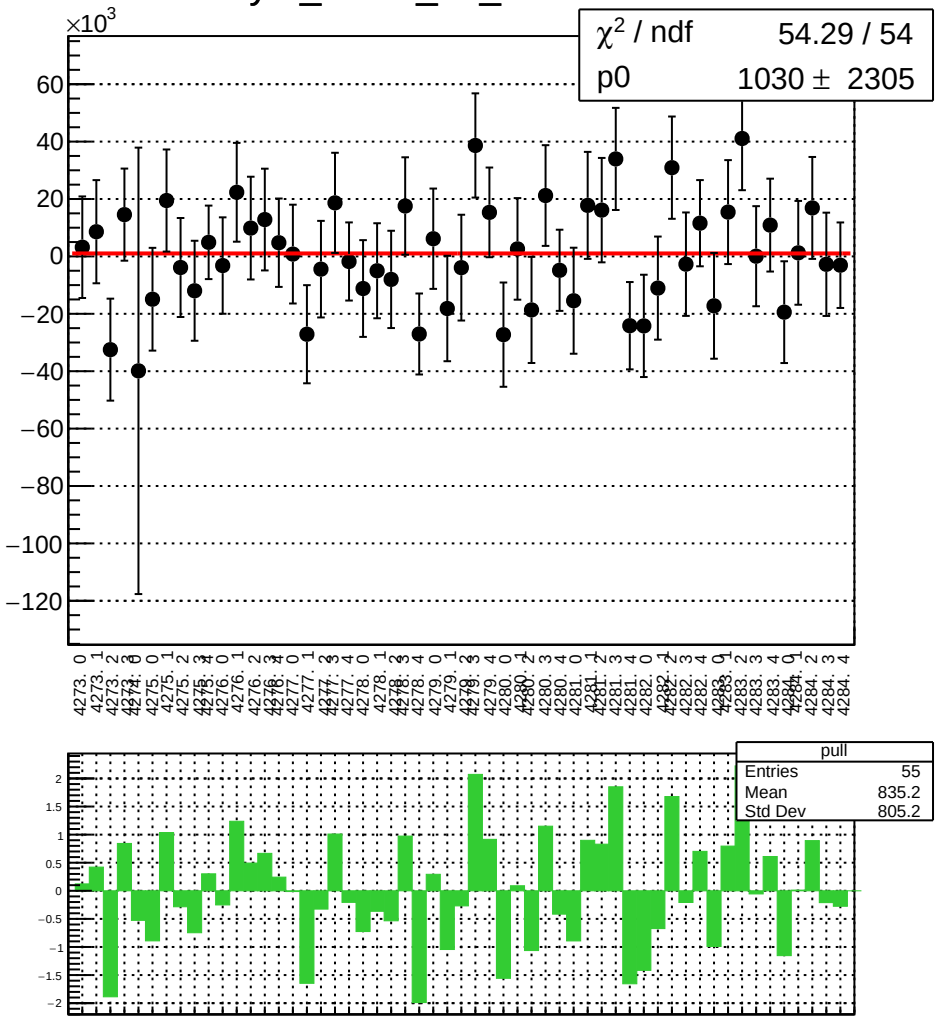
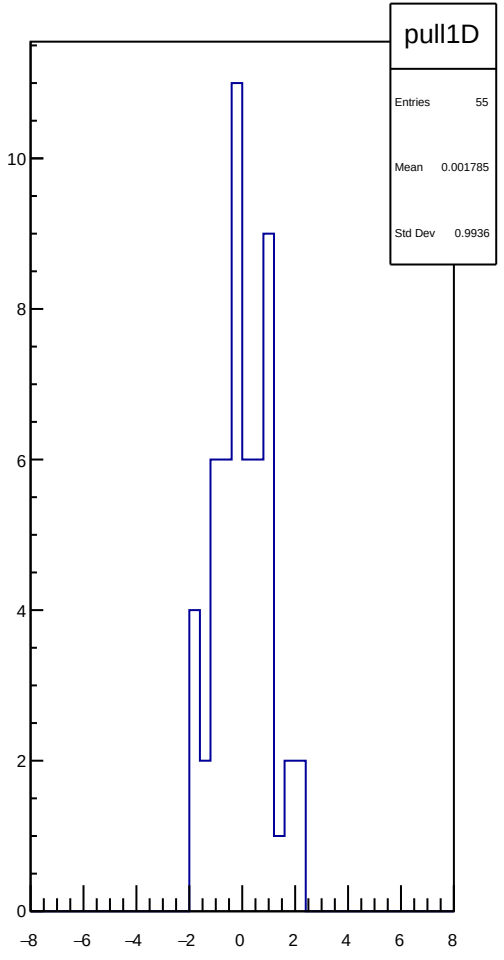
4284. 4

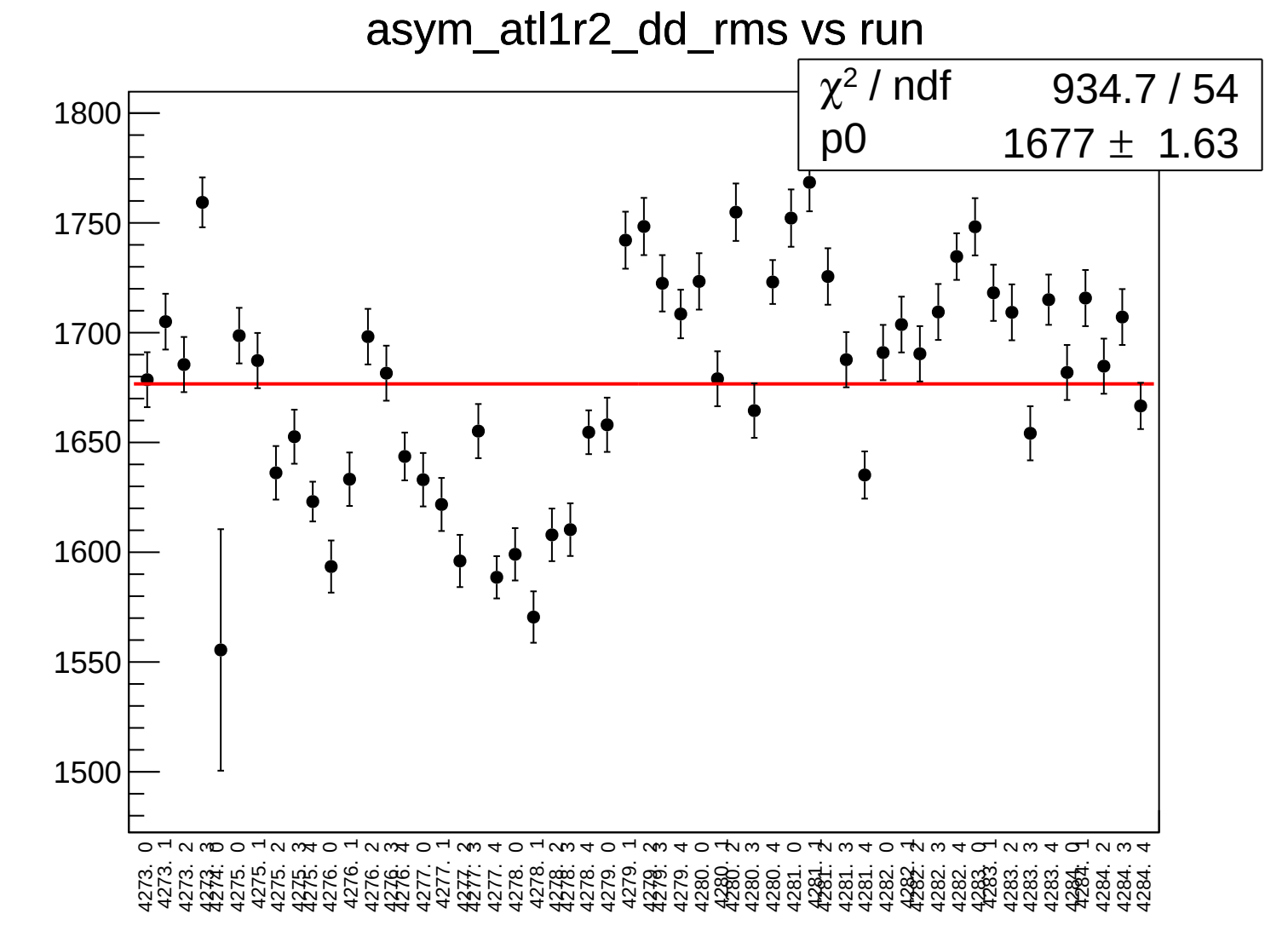

asym_atl1r2_dd_correction_mean vs run
×10^3
χ² / ndf 47.63 / 54
p0 −1599 ± 2257
pull
Entries 55
Mean 1.546e+04
Std Dev 1.543e+04


pull1D
Entries 55
Mean −9.655e−05
Std Dev 0.9306


asym_atl1r2_dd_correction_rms vs run
χ² / ndf 1020 / 54
p0 1642 ± 1.596
1750
1700
1650
1600
1550
1500
1450
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_atl1r2_dd_mean vs run
χ² / ndf 54.29 / 54
p0 1030 ± 2305
pull
Entries 55
Mean 835.2
Std Dev 805.2


pull1D
Entries 55
Mean 0.001785
Std Dev 0.9936


asym_atl1r2_dd_rms vs run
χ² / ndf 934.7 / 54
p0 1677 ± 1.63
1800
1750
1700
1650
1600
1550
1500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
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4281. 2
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4281. 4
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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4283. 4
4284. 0
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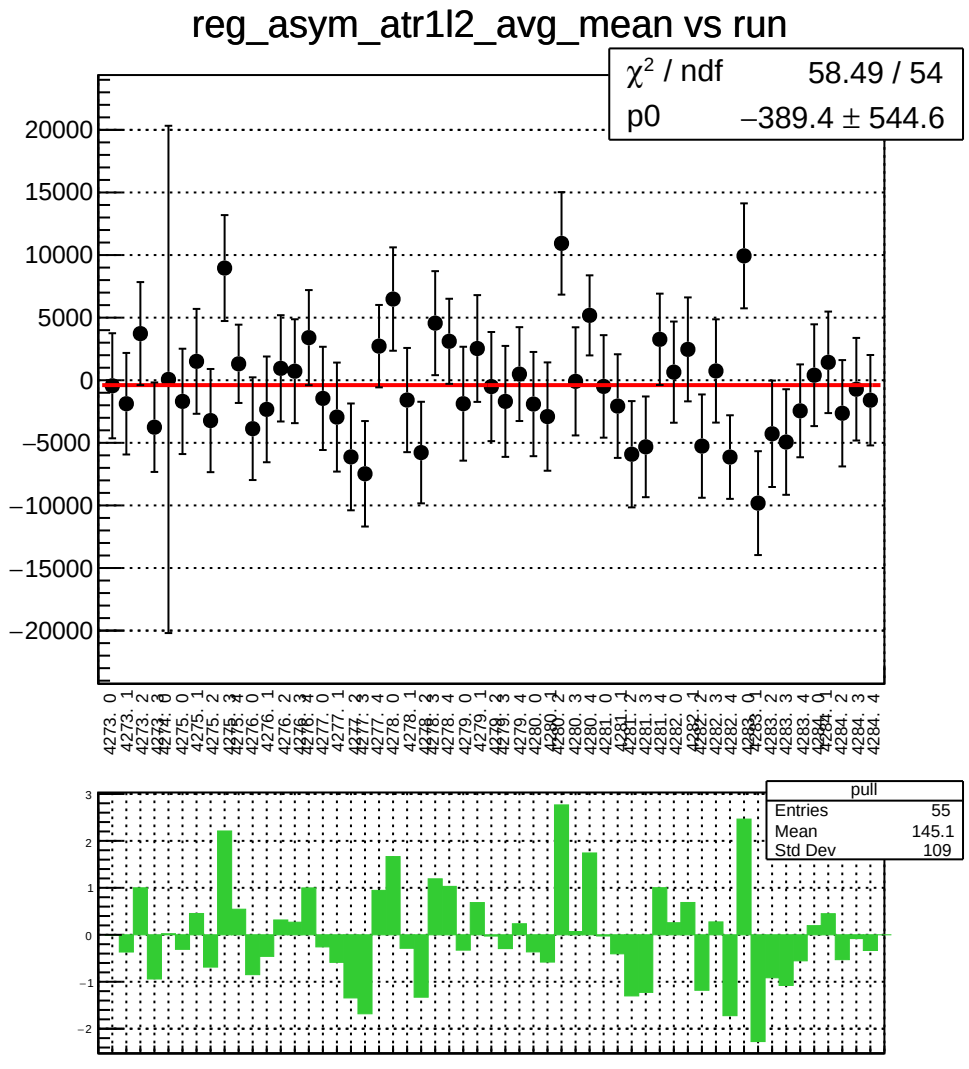
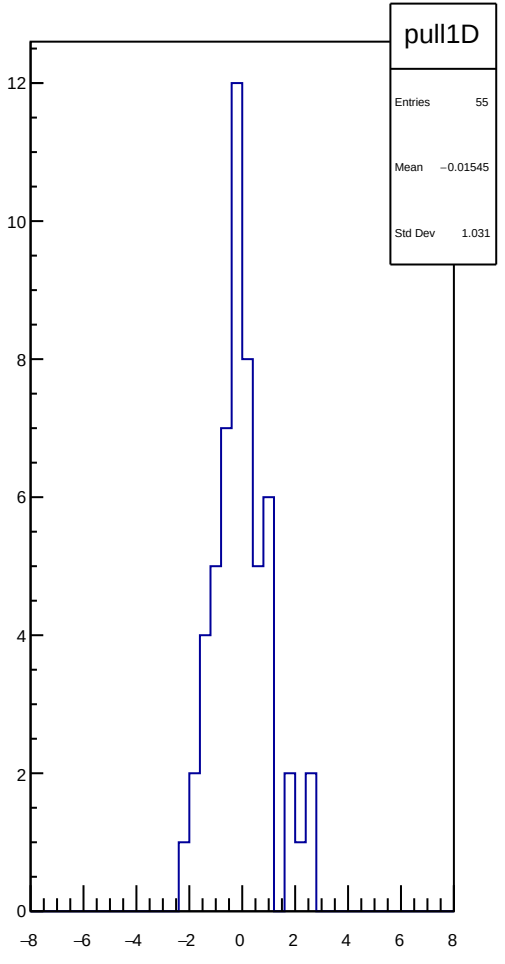
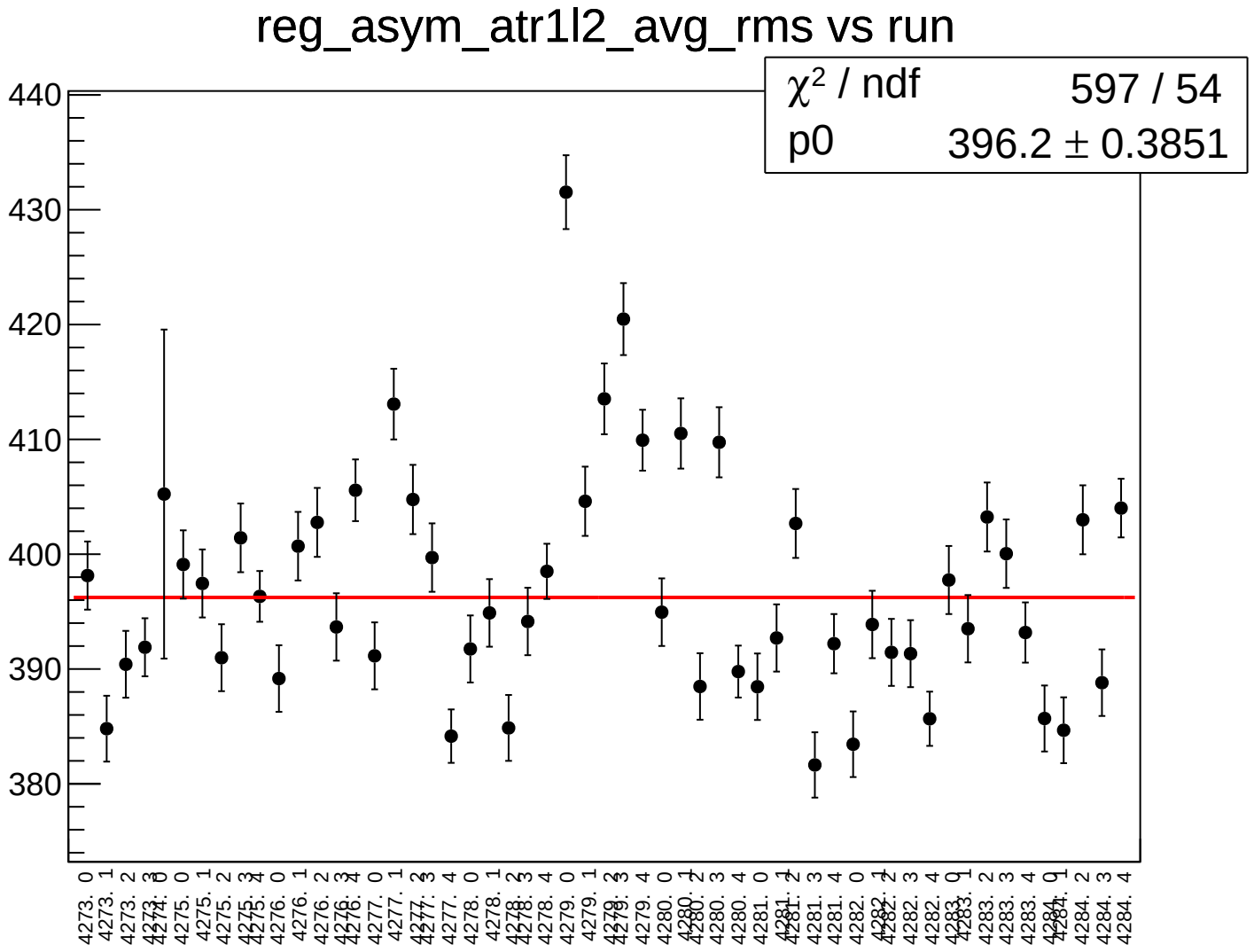
4284. 2
4284. 3
4284. 4


reg_asym_atr1l2_avg_mean vs run
χ² / ndf 58.49 / 54
p0 −389.4 ± 544.6
pull
Entries 55
Mean 145.1
Std Dev 109


pull1D
Entries 55
Mean −0.01545
Std Dev 1.031


reg_asym_atr1l2_avg_rms vs run
χ² / ndf 597 / 54
p0 396.2 ± 0.3851
440
430
420
410
400
390
380
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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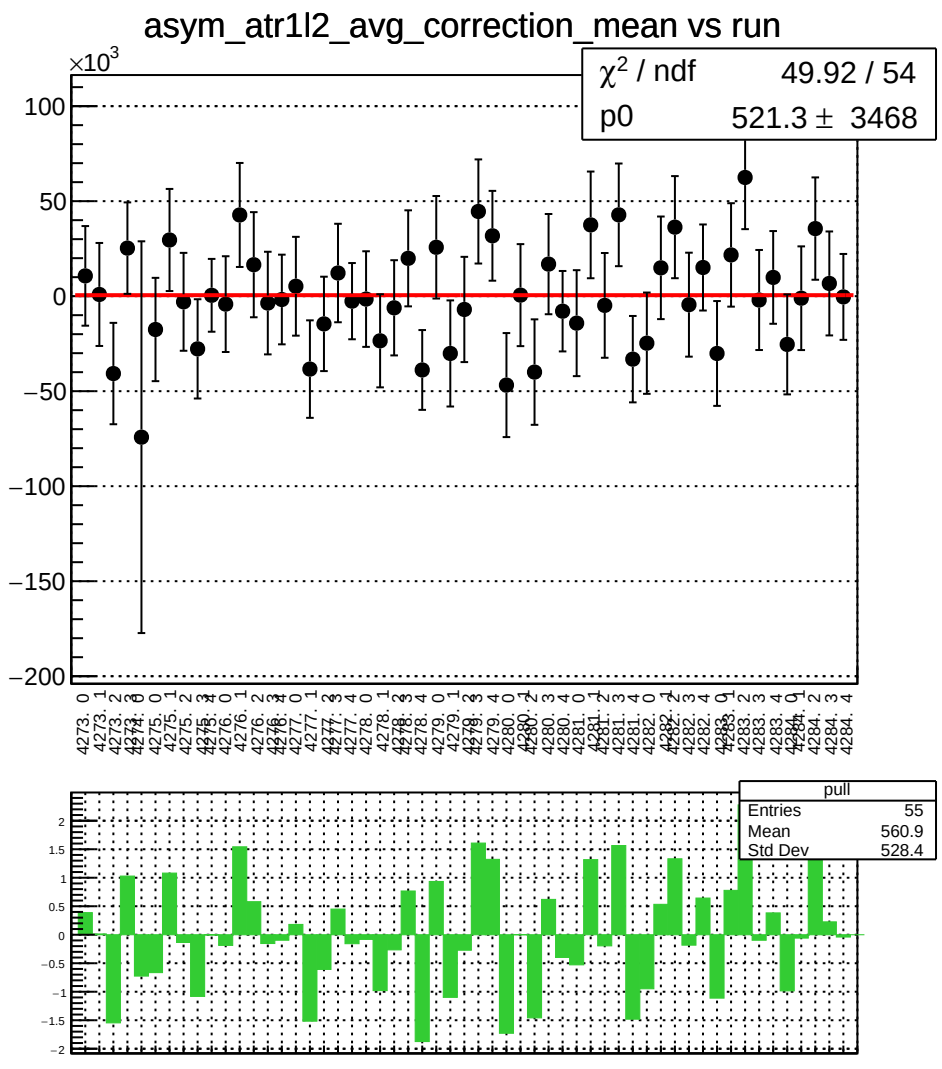
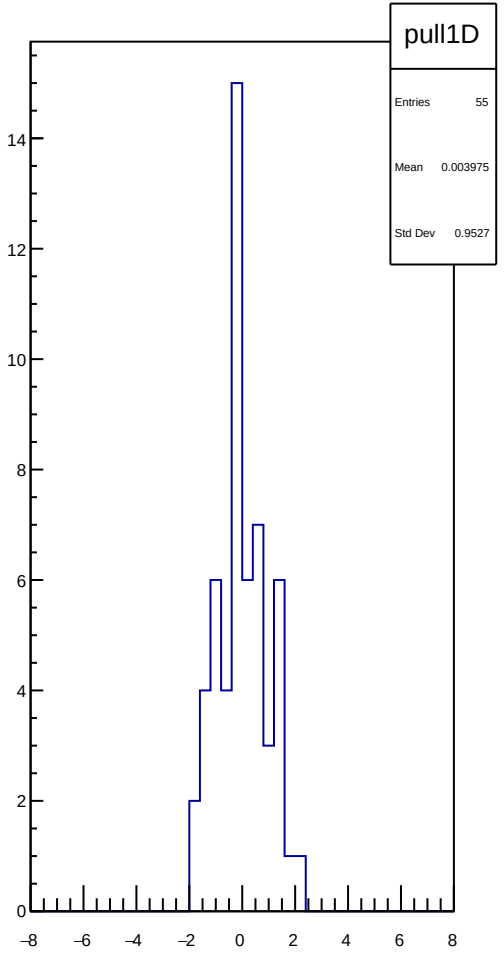
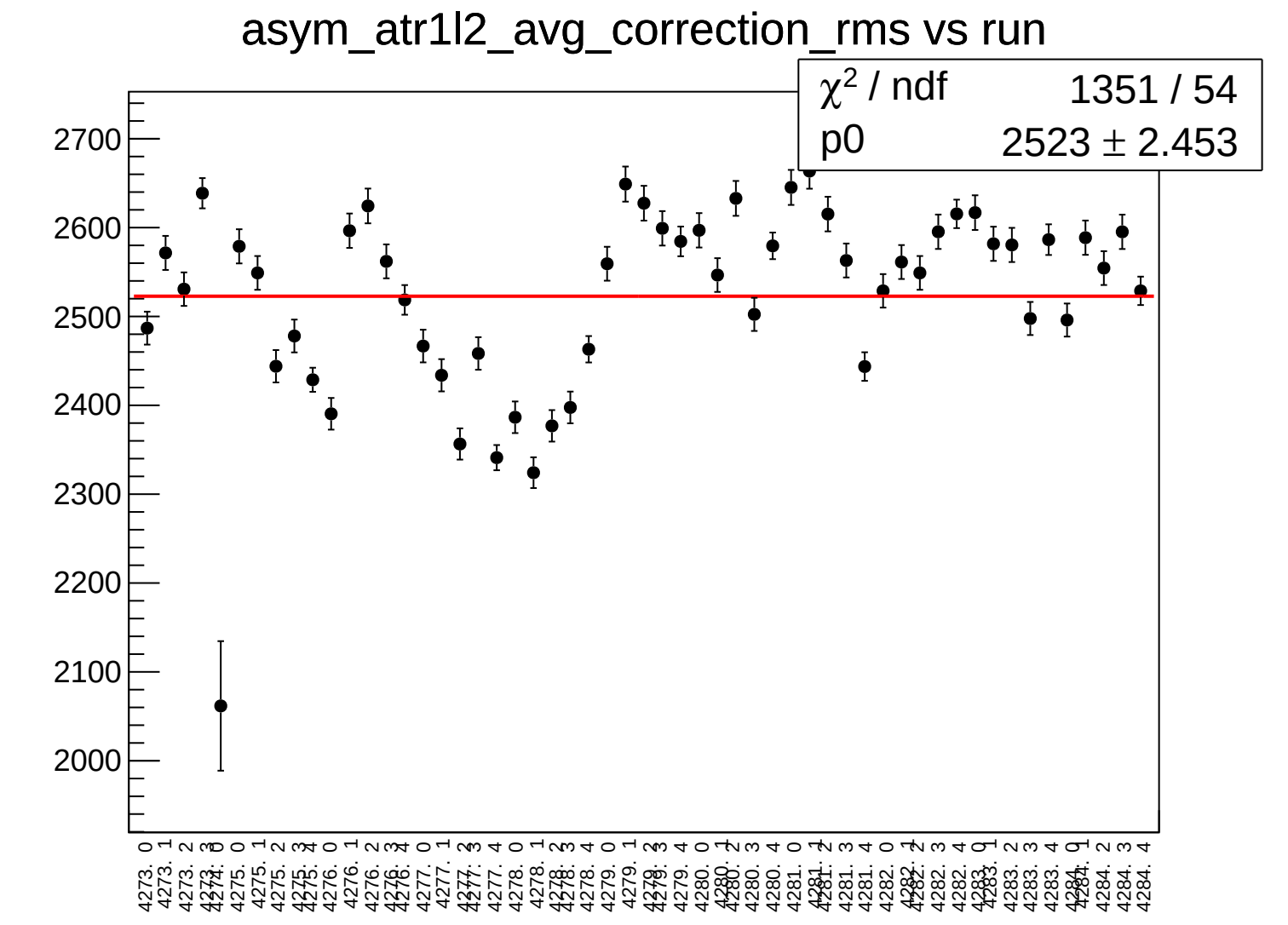
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_atr1l2_avg_correction_mean vs run
×10^3
χ² / ndf 49.92 / 54
p0 521.3 ± 3468
pull
Entries 55
Mean 560.9
Std Dev 528.4


pull1D
Entries 55
Mean 0.003975
Std Dev 0.9527


asym_atr1l2_avg_correction_rms vs run
χ² / ndf 1351 / 54
p0 2523 ± 2.453
2700
2600
2500
2400
2300
2200
2100
2000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
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4282. 2
4282. 3
4282. 4
4283. 0
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4283. 4
4284. 0
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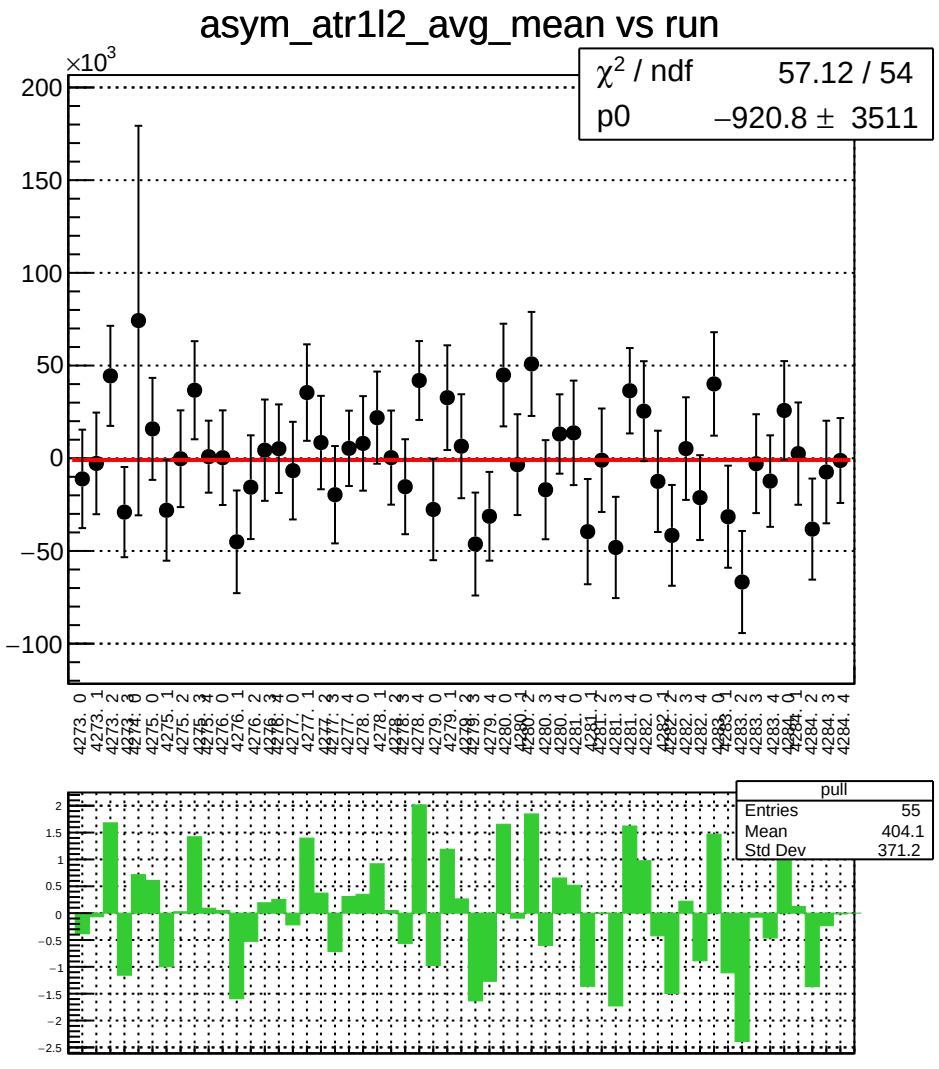
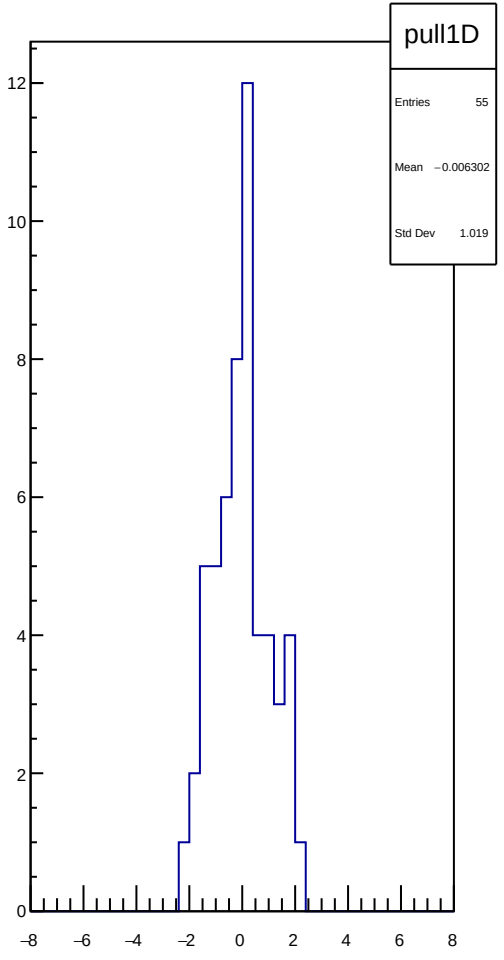
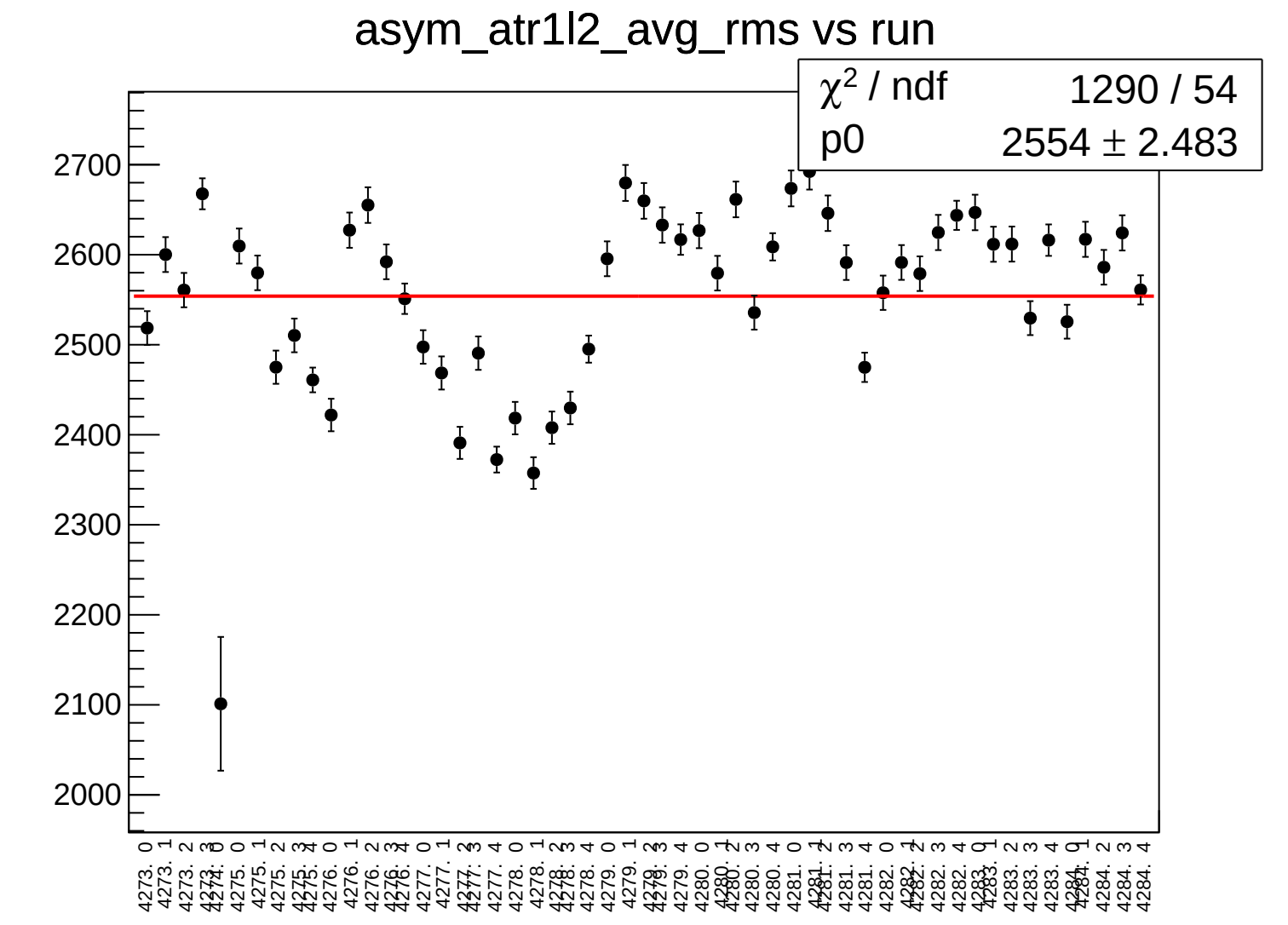
4284. 2
4284. 3
4284. 4


asym_atr1l2_avg_mean vs run
χ² / ndf 57.12 / 54
p0 −920.8 ± 3511
pull
Entries 55
Mean 404.1
Std Dev 371.2


pull1D
Entries 55
Mean −0.006302
Std Dev 1.019


asym_atr1l2_avg_rms vs run
χ² / ndf 1290 / 54
p0 2554 ± 2.483
2700
2600
2500
2400
2300
2200
2100
2000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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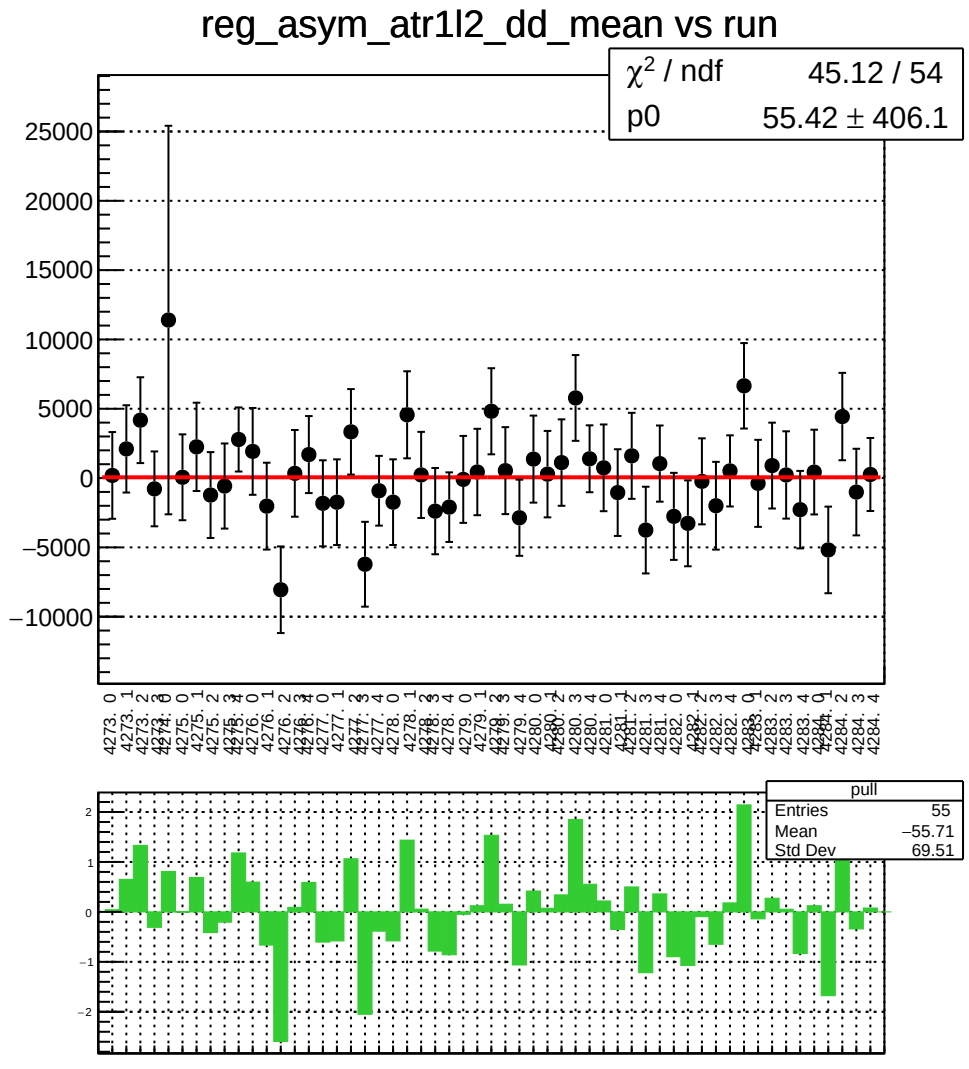
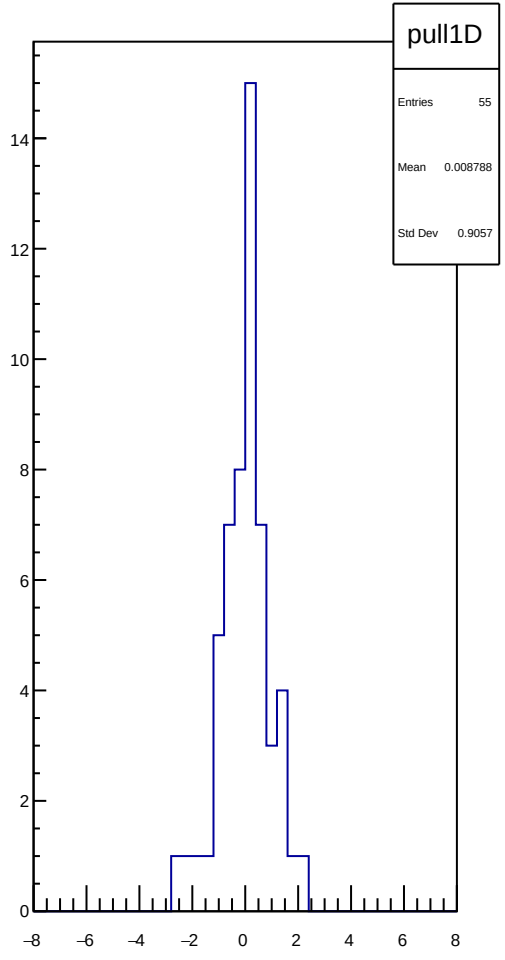
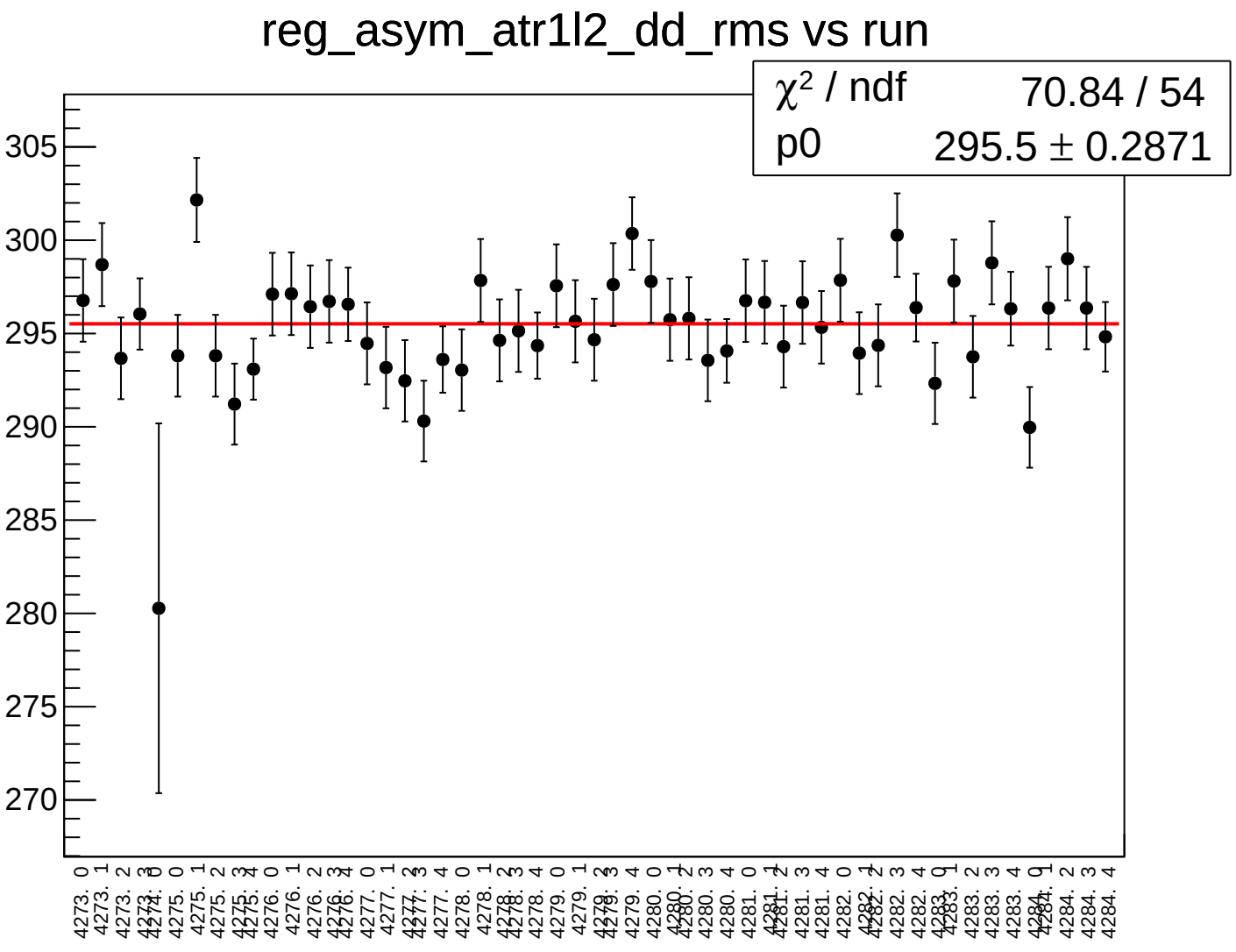
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_atr1l2_dd_mean vs run
χ² / ndf 45.12 / 54
p0 55.42 ± 406.1
25000
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 55
Mean −55.71
Std Dev 69.51
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.008788
Std Dev 0.9057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1l2_dd_rms vs run
χ² / ndf 70.84 / 54
p0 295.5 ± 0.2871
305
300
295
290
285
280
275
270
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
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4279. 2
4279. 3
4279. 4
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4280. 4
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
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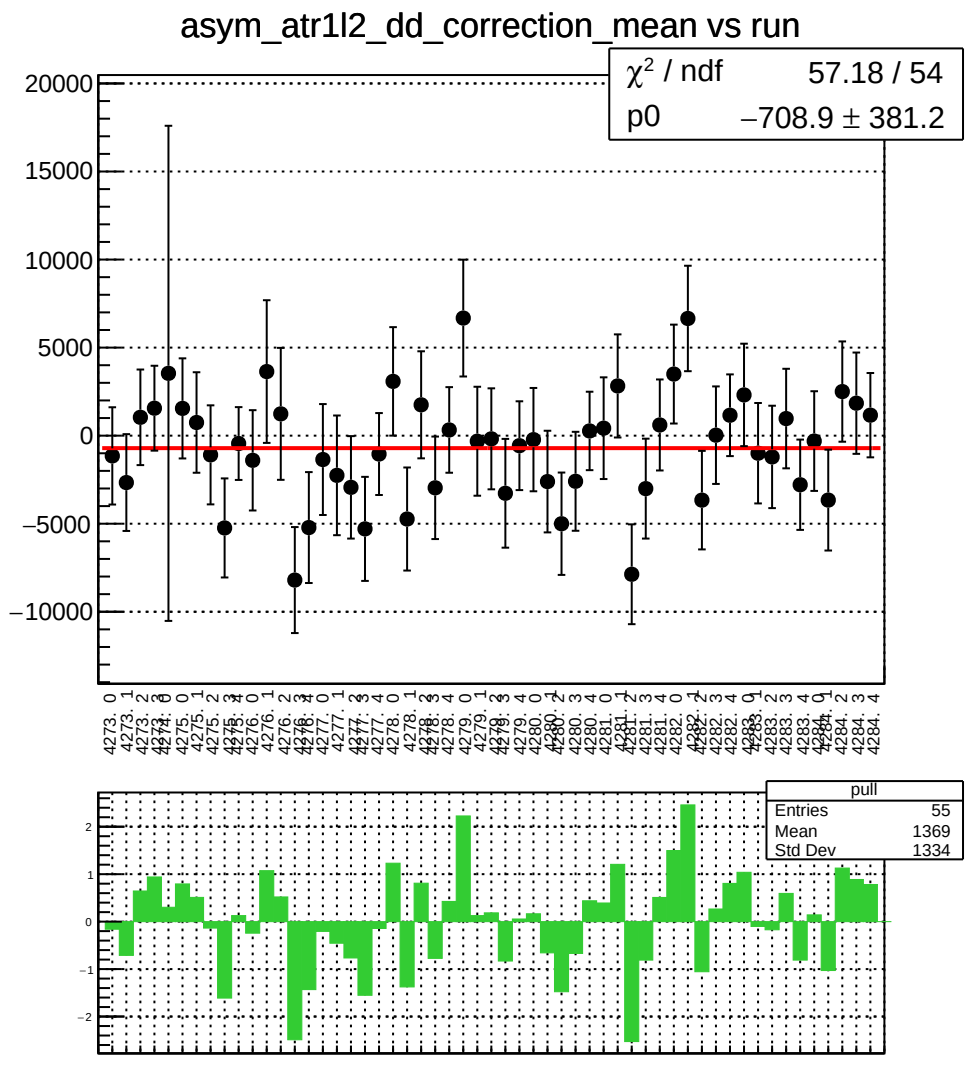
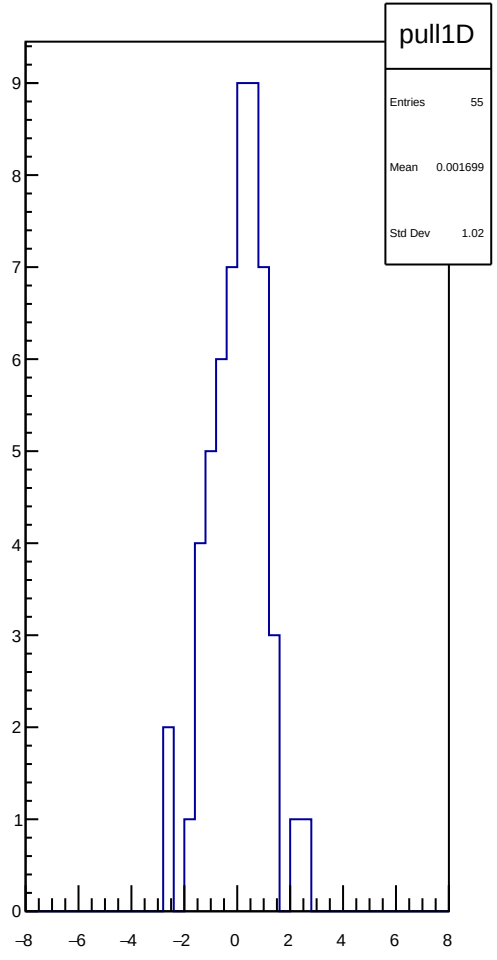
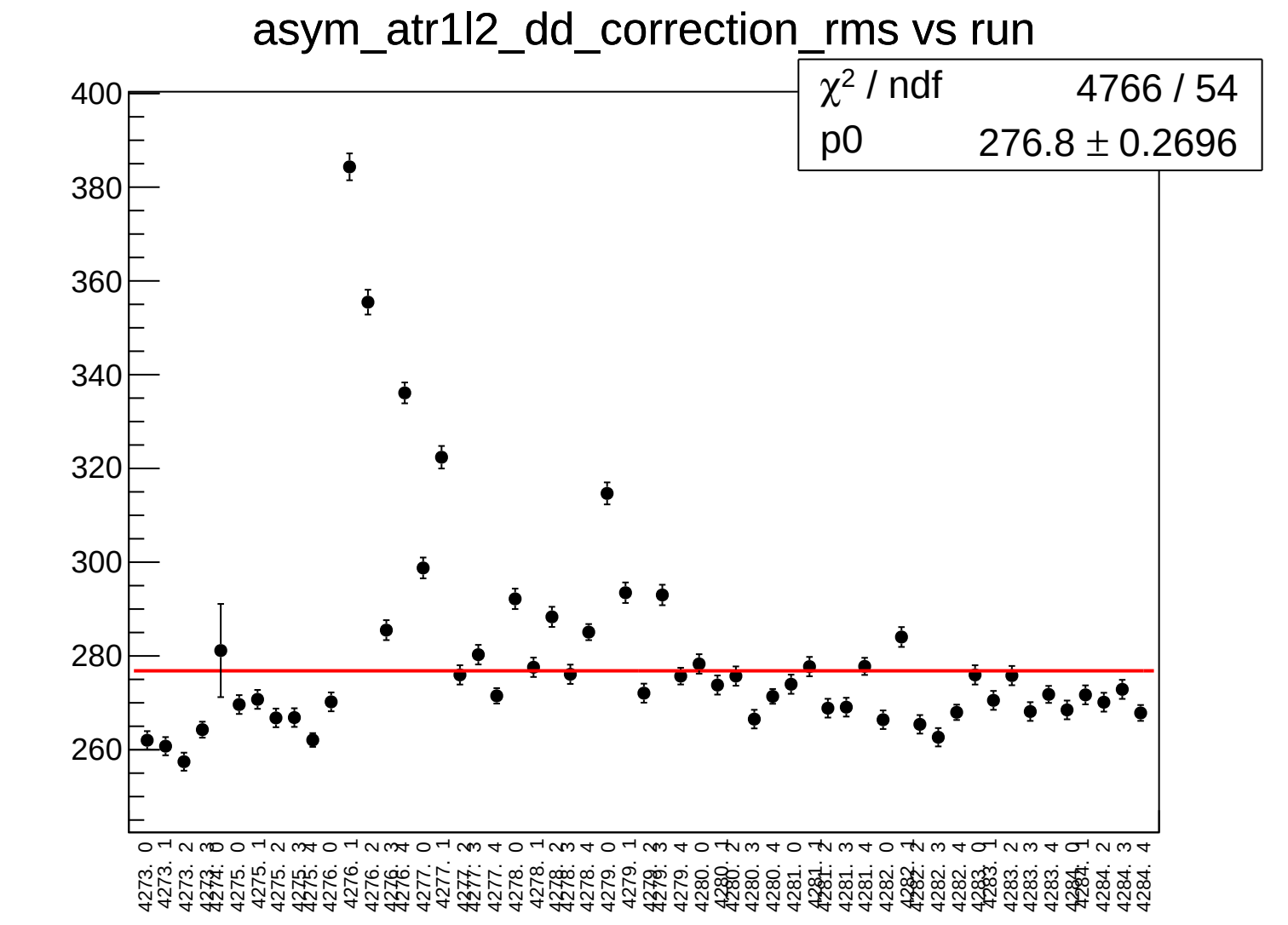
4284. 1
4284. 2
4284. 3
4284. 4


asym_atr1l2_dd_correction_mean vs run
χ² / ndf 57.18 / 54
p0 −708.9 ± 381.2
pull
Entries 55
Mean 1369
Std Dev 1334


pull1D
Entries 55
Mean 0.001699
Std Dev 1.02


asym_atr1l2_dd_correction_rms vs run
χ² / ndf 4766 / 54
p0 276.8 ± 0.2696
400
380
360
340
320
300
280
260
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4277. 0
4277. 1
4277. 2
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4277. 4
4278. 0
4278. 1
4278. 2
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4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 2
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4281. 1
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4281. 4
4282. 0
4282. 1
4282. 2
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4282. 4
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4283. 3
4283. 4
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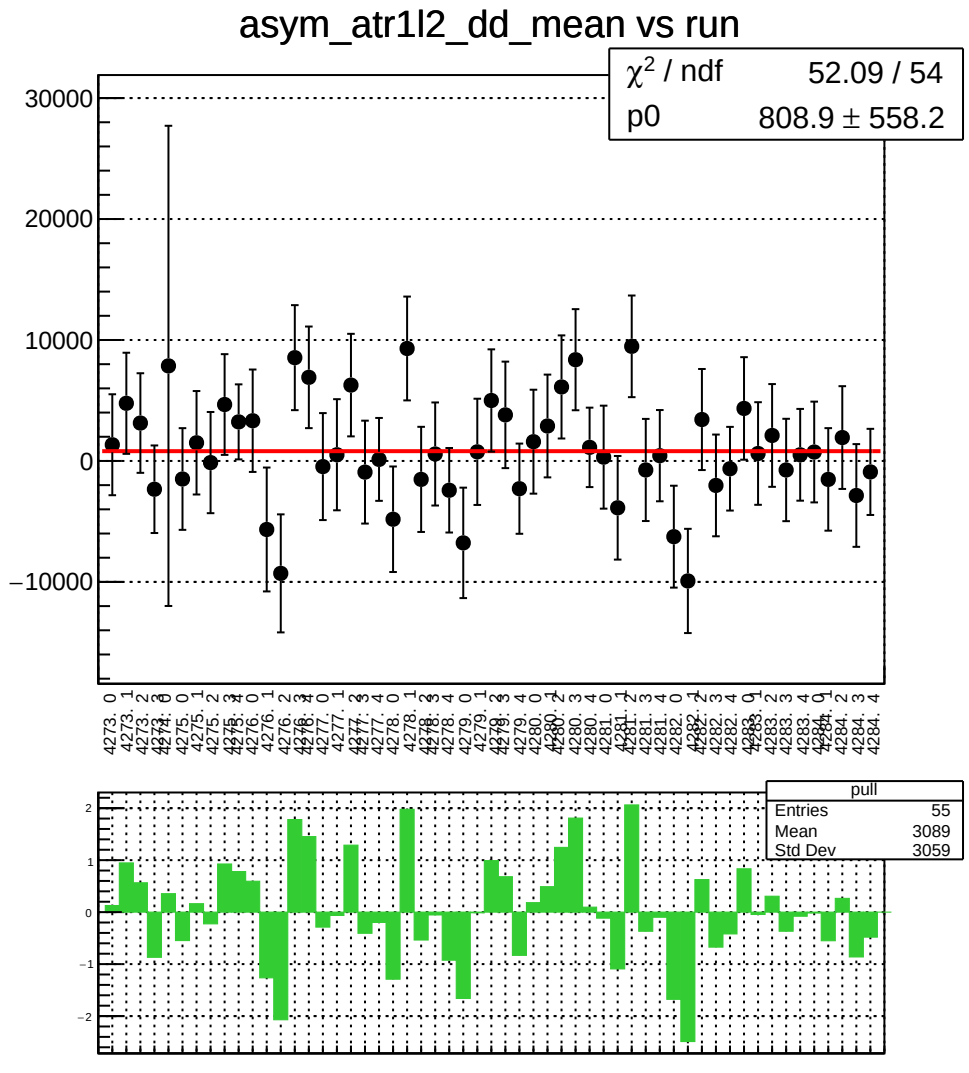
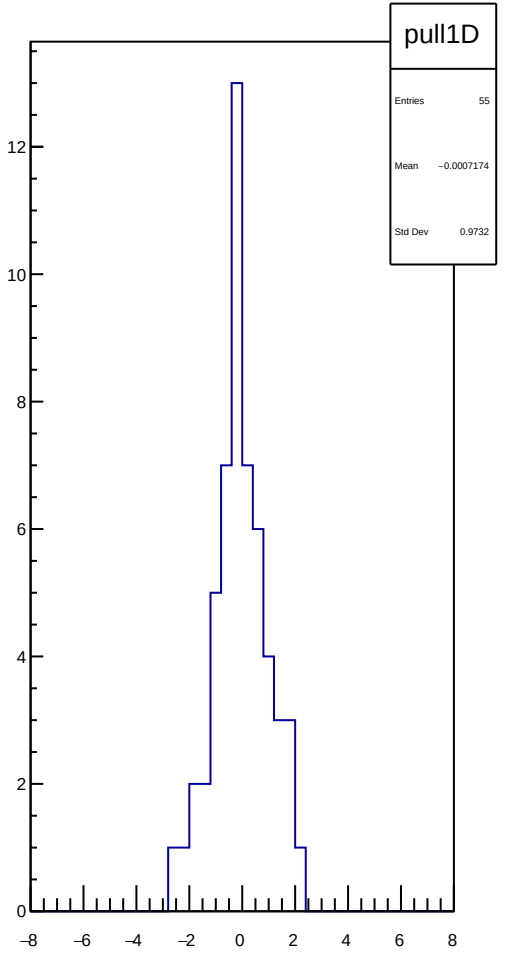
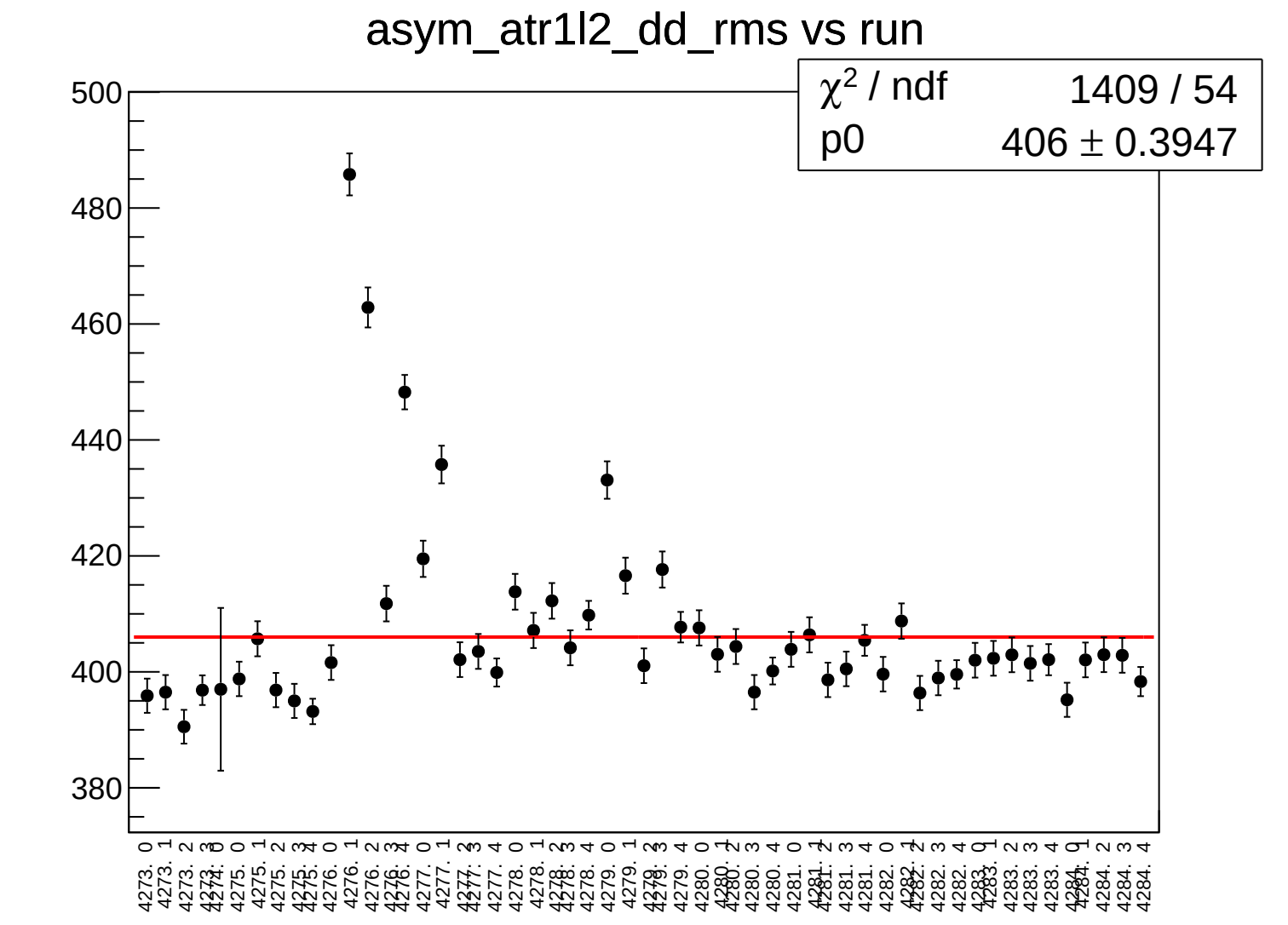
4284. 3
4284. 4


asym_atr1l2_dd_mean vs run
χ² / ndf 52.09 / 54
p0 808.9 ± 558.2
30000
20000
10000
0
−10000
pull
Entries 55
Mean 3089
Std Dev 3059
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.0007174
Std Dev 0.9732
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_rms vs run
χ² / ndf 1409 / 54
p0 406 ± 0.3947
500
480
460
440
420
400
380
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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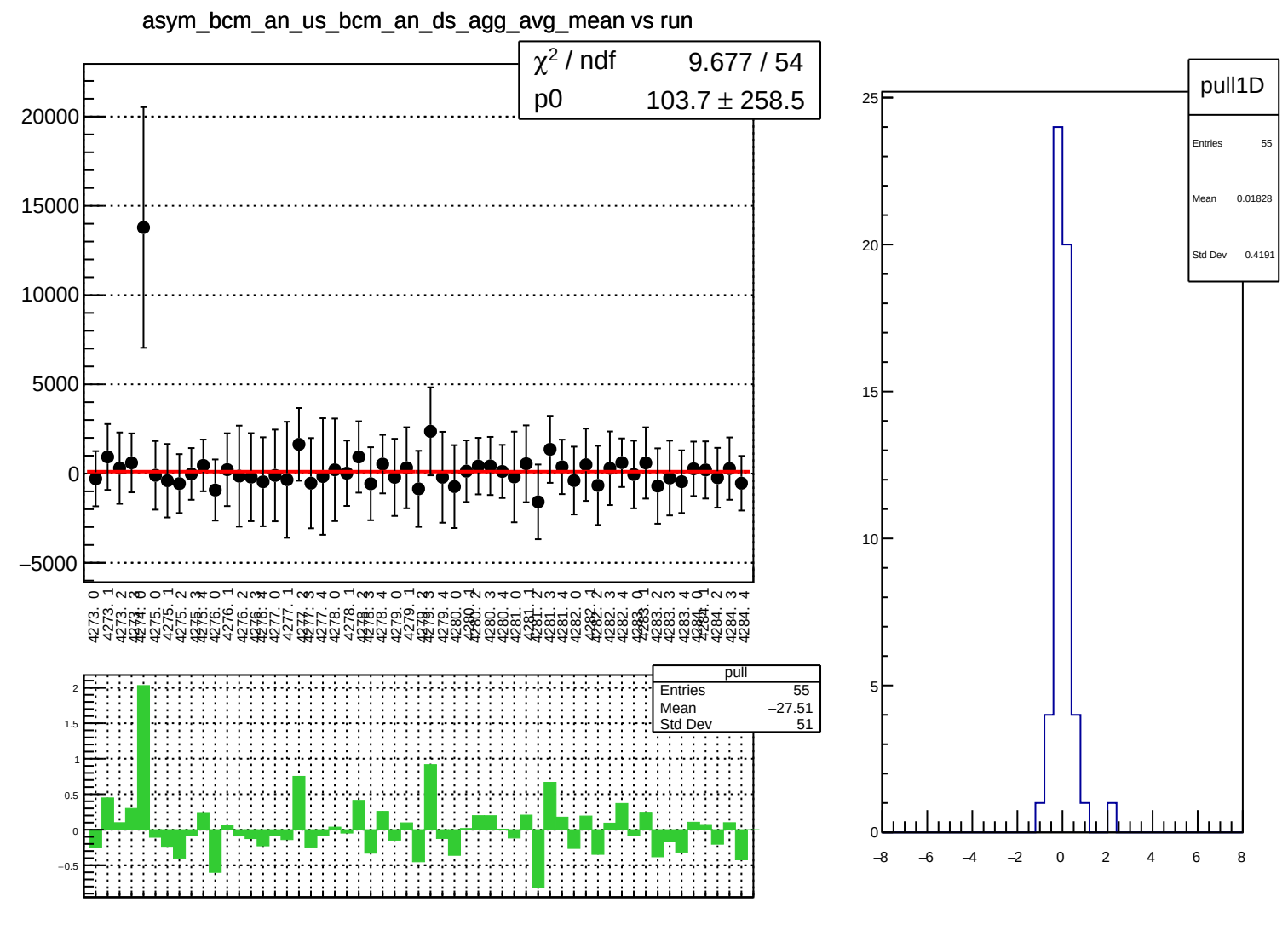
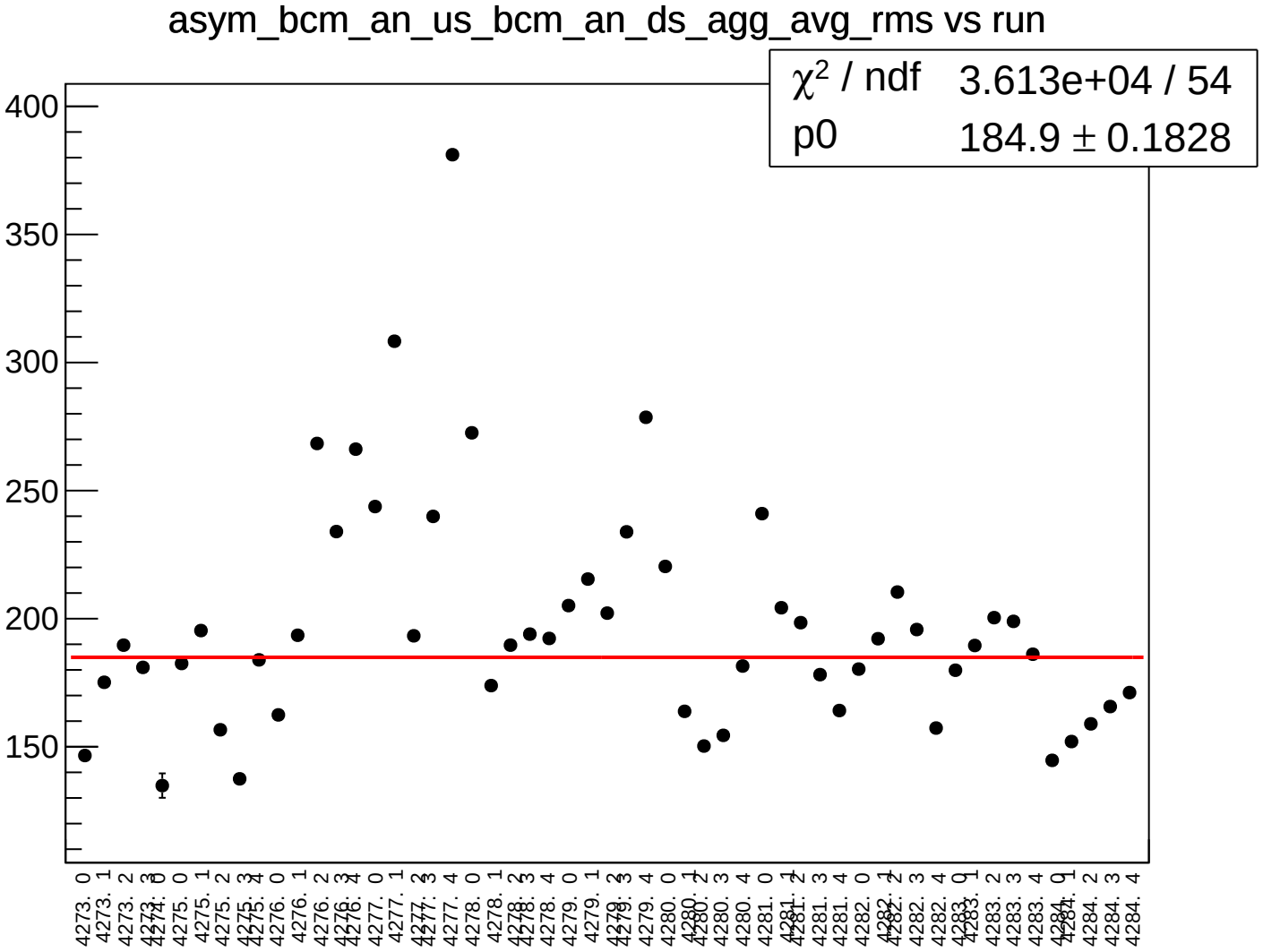
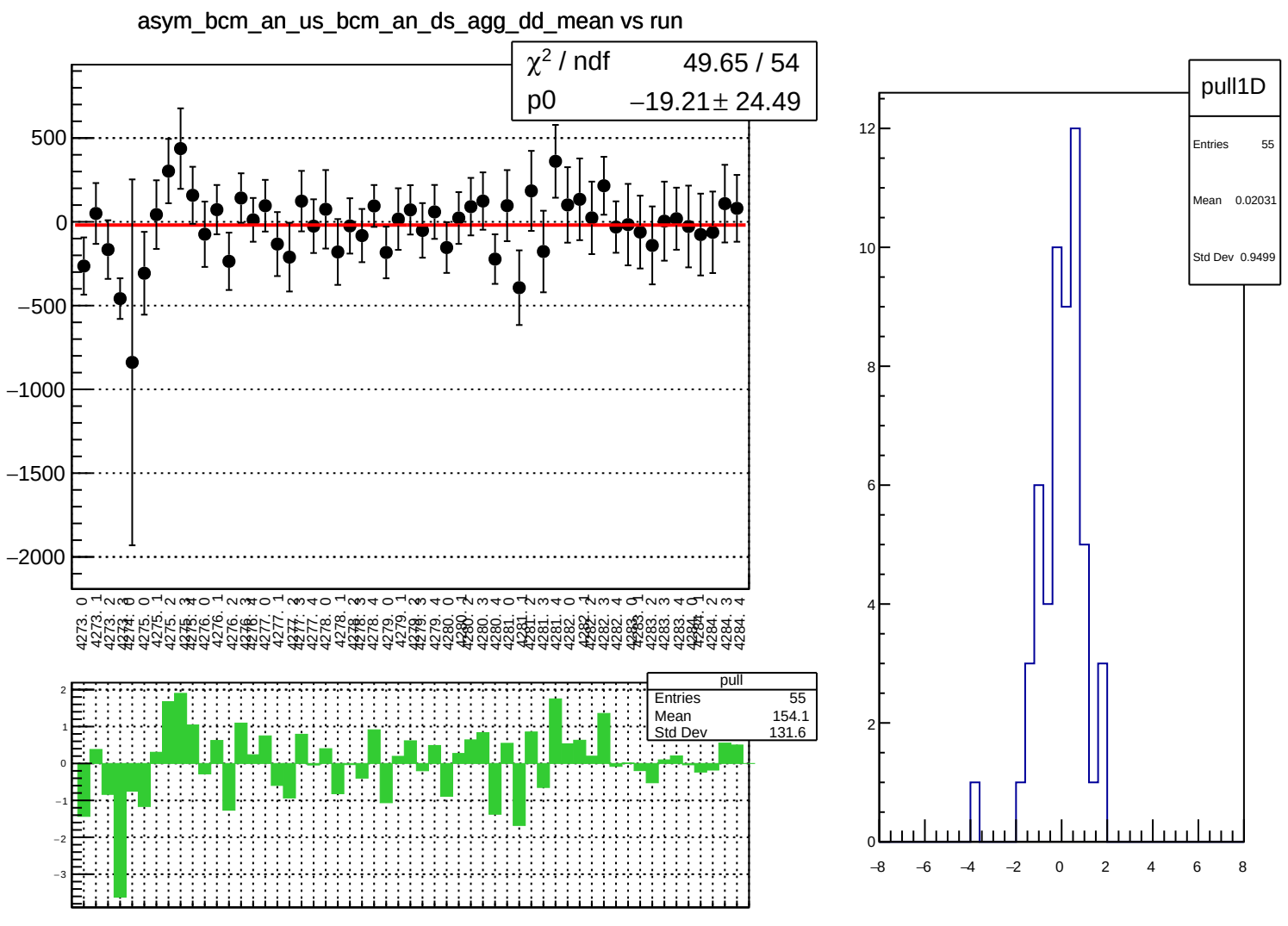
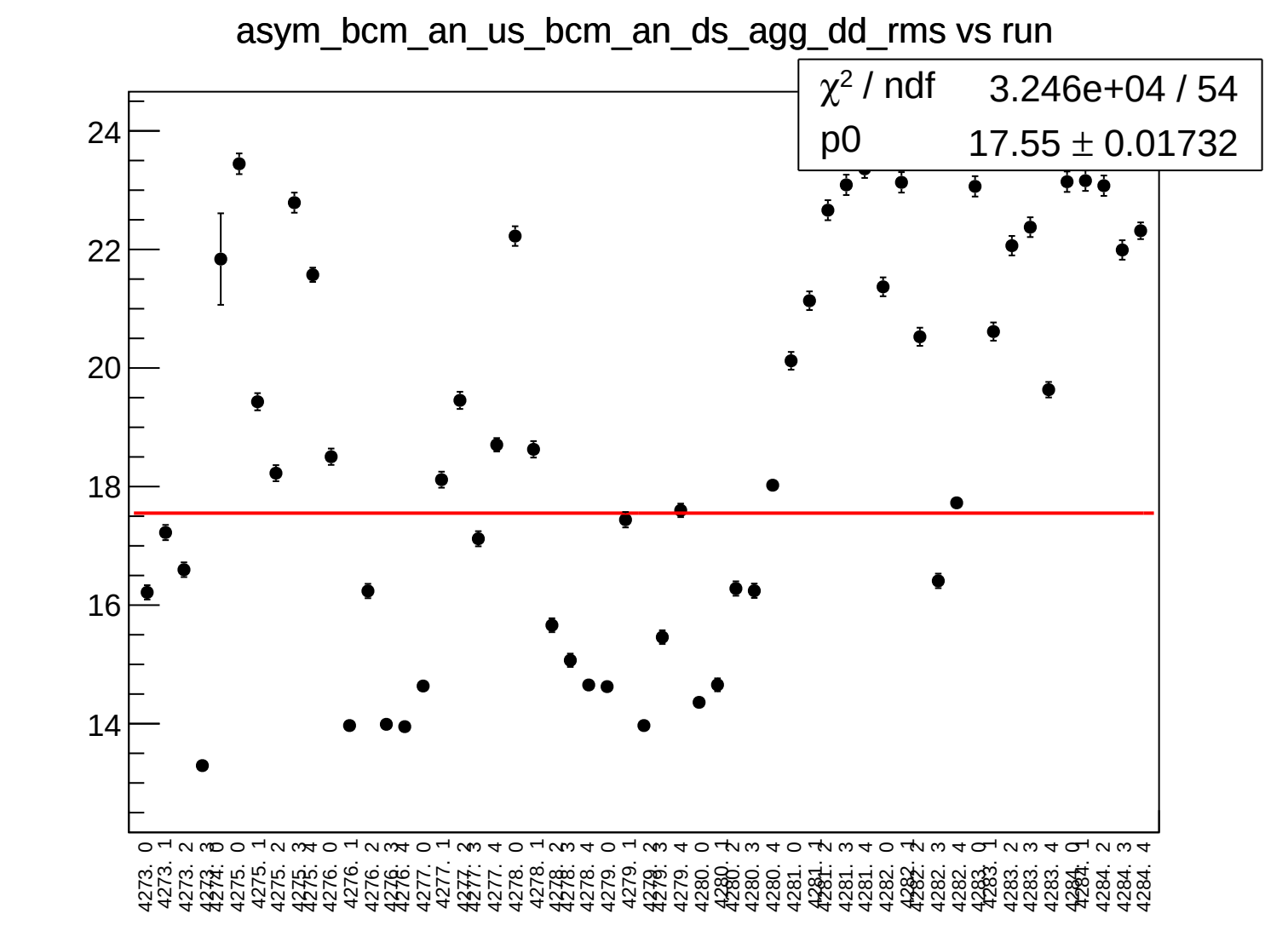
4284. 4


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.677 / 54
p0 103.7 ± 258.5
pull
Entries 55
Mean −27.51
Std Dev 51
pull1D
Entries 55
Mean 0.01828
Std Dev 0.4191


asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.613e+04 / 54
p0 184.9 ± 0.1828
400
350
300
250
200
150


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 49.65 / 54
p0 −19.21± 24.49
pull
Entries 55
Mean 154.1
Std Dev 131.6
pull1D
Entries 55
Mean 0.02031
Std Dev 0.9499


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3.246e+04 / 54
p0 17.55 ± 0.01732
24
22
20
18
16
14
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
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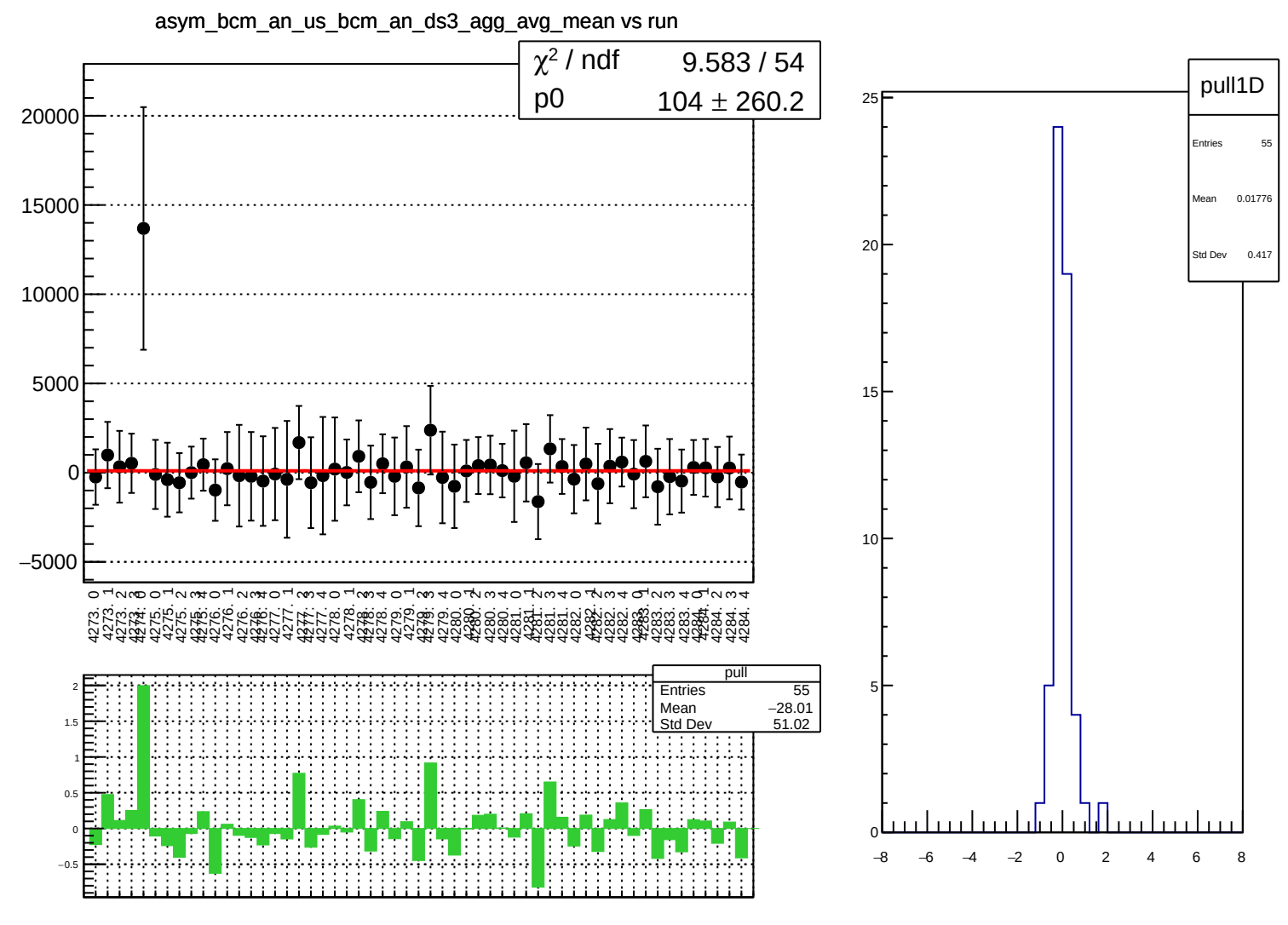
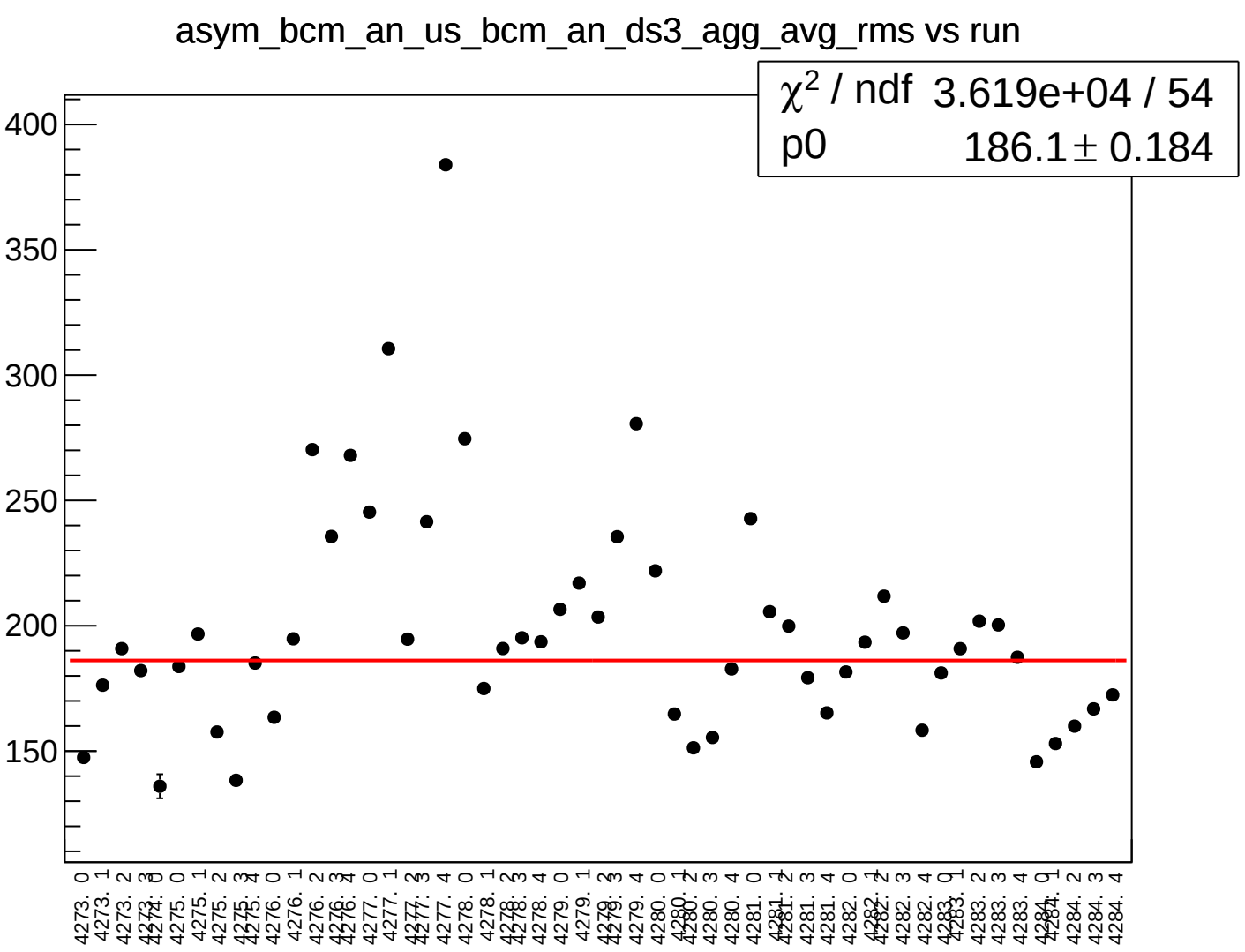

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 9.583 / 54
p0 104 ± 260.2
20000
15000
10000
5000
0
−5000
pull
Entries 55
Mean −28.01
Std Dev 51.02
2
1.5
1
0.5
0
−0.5
pull1D
Entries 55
Mean 0.01776
Std Dev 0.417
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3.619e+04 / 54
p0 186.1 ± 0.184
400
350
300
250
200
150
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4273. 2
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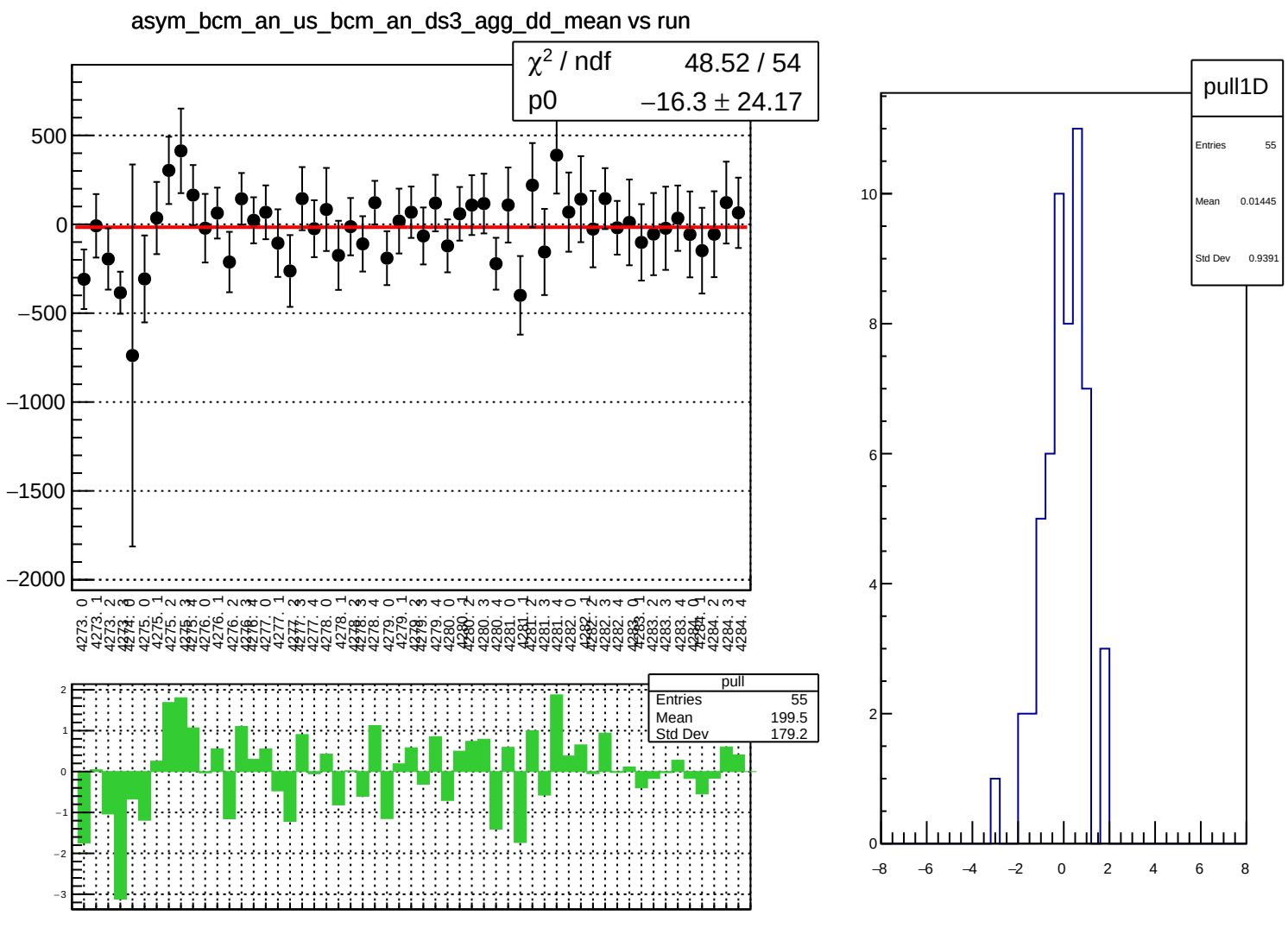
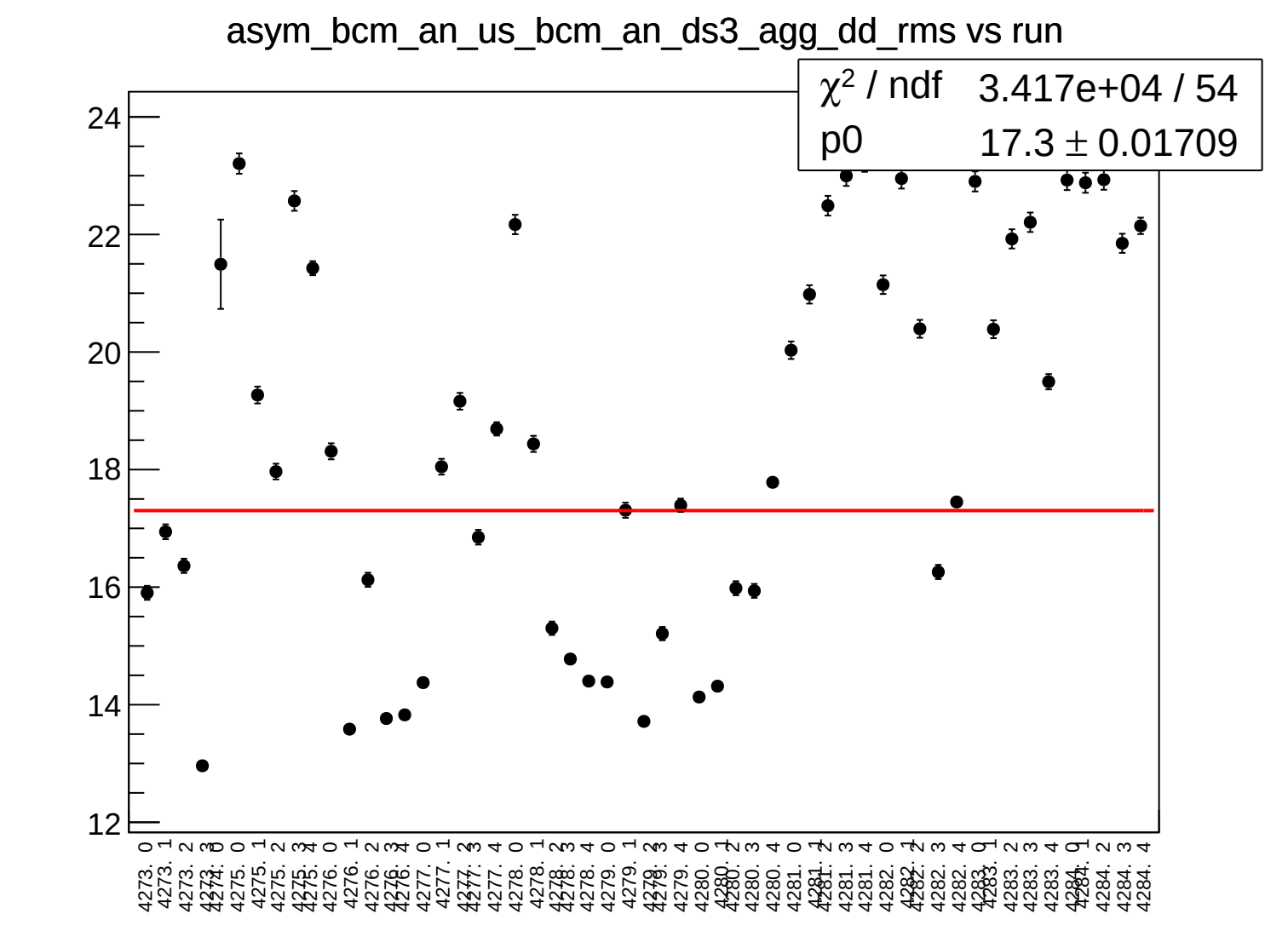
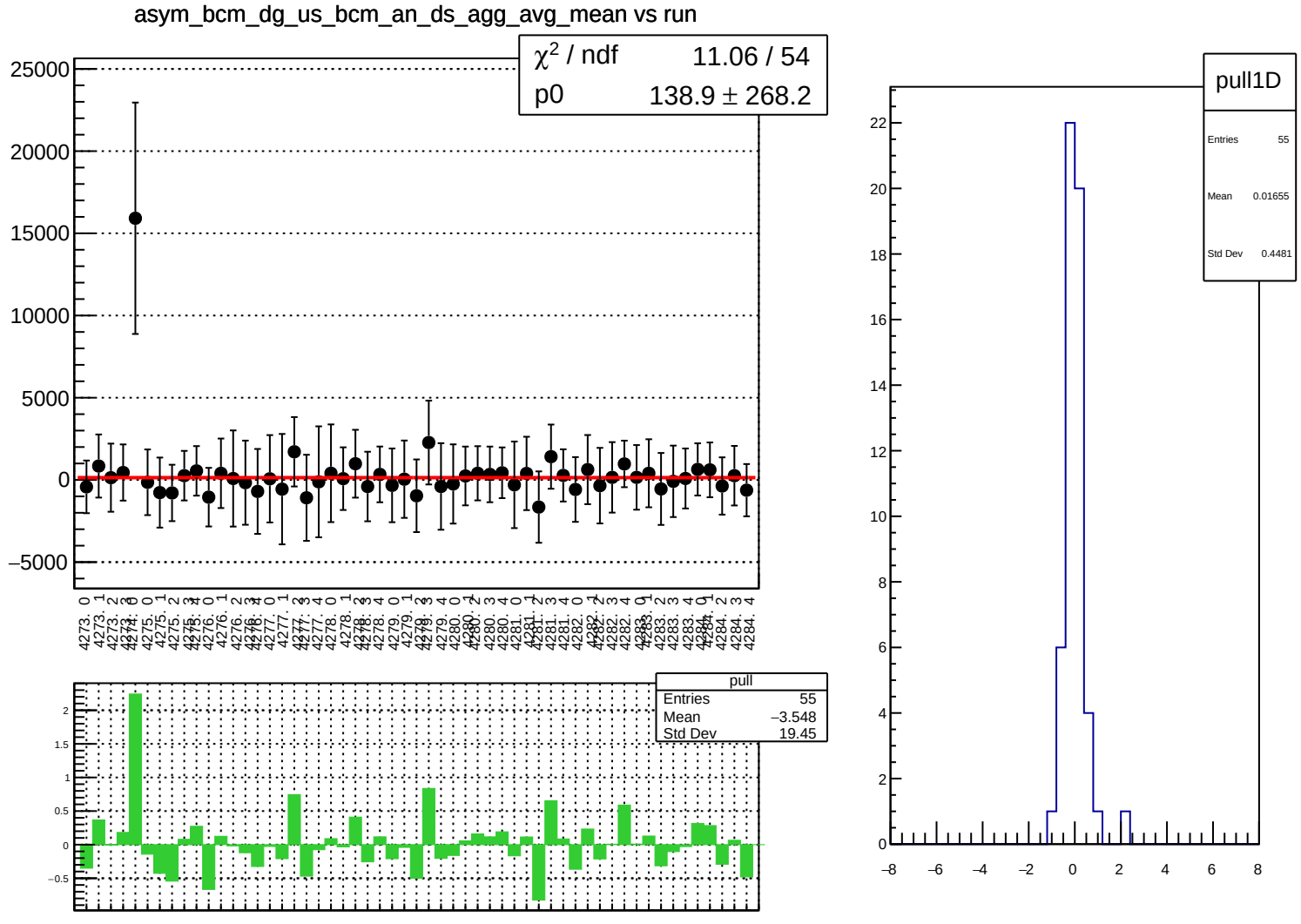
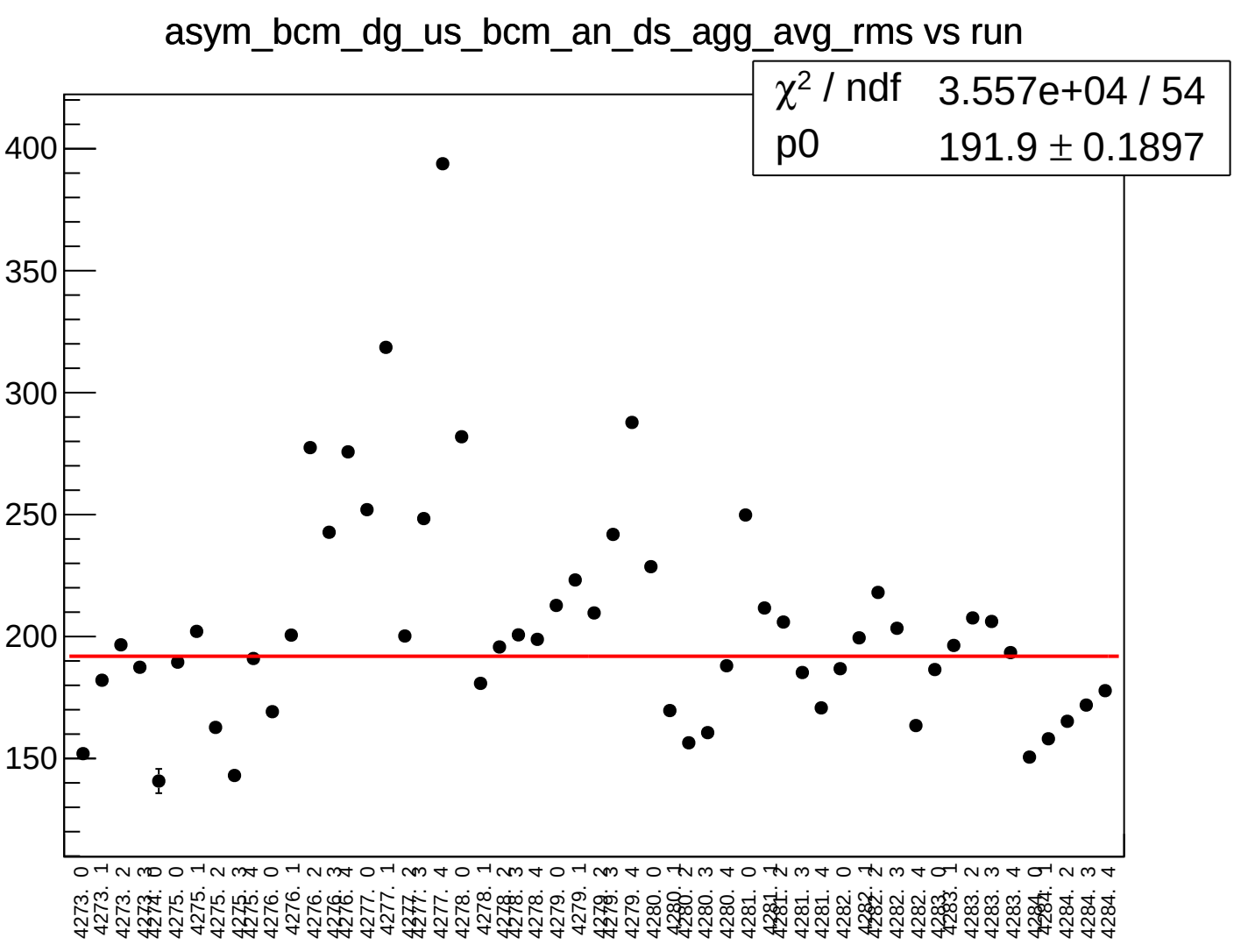

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 48.52 / 54
p0 −16.3 ± 24.17
500
0
−500
−1000
−1500
−2000
pull
Entries 55
Mean 199.5
Std Dev 179.2
pull1D
Entries 55
Mean 0.01445
Std Dev 0.9391
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 3.417e+04 / 54
p0 17.3 ± 0.01709
24
22
20
18
16
14
12


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.06 / 54
p0 138.9 ± 268.2
pull
Entries 55
Mean −3.548
Std Dev 19.45
pull1D
Entries 55
Mean 0.01655
Std Dev 0.4481


asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.557e+04 / 54
p0 191.9 ± 0.1897
400
350
300
250
200
150
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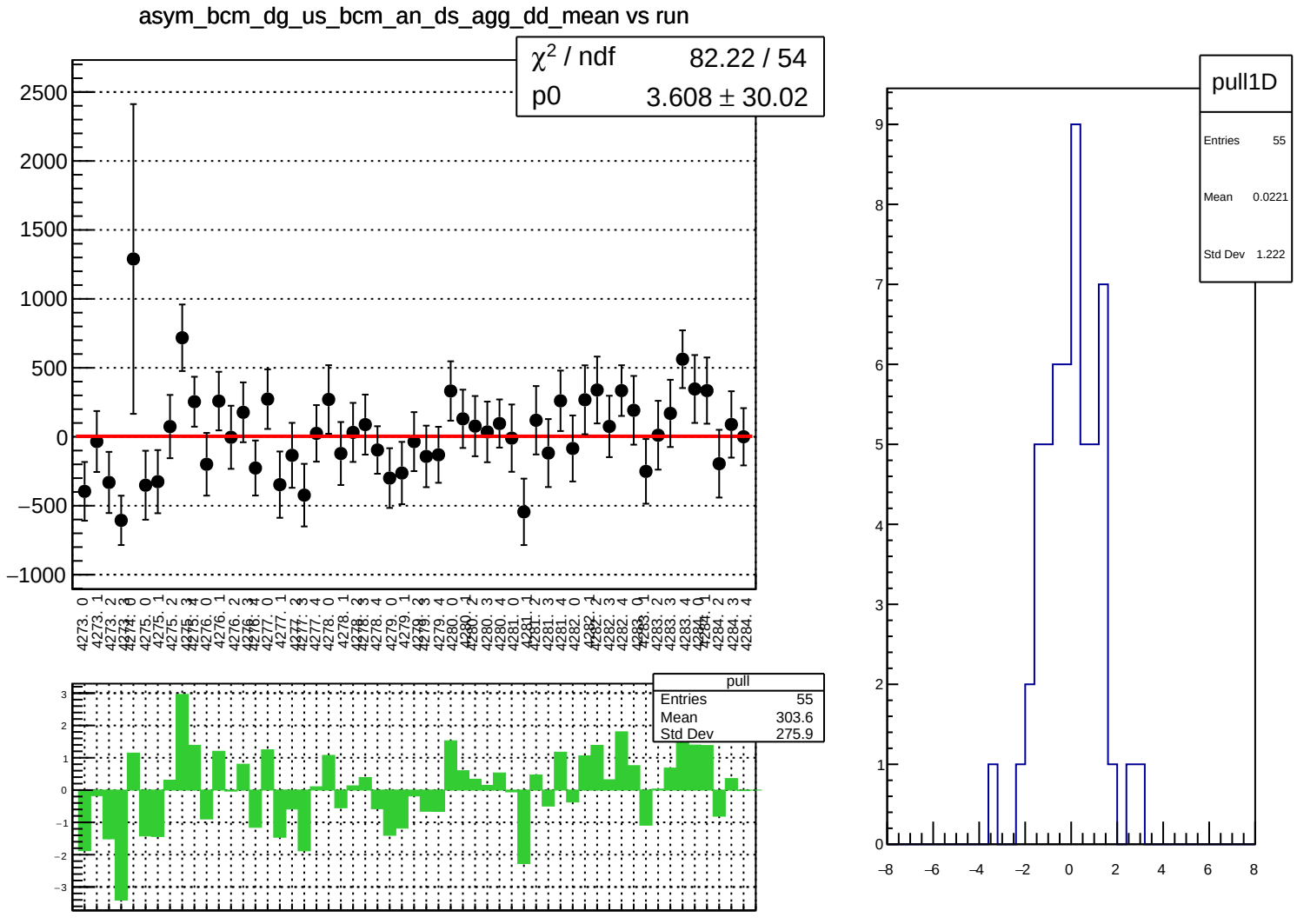
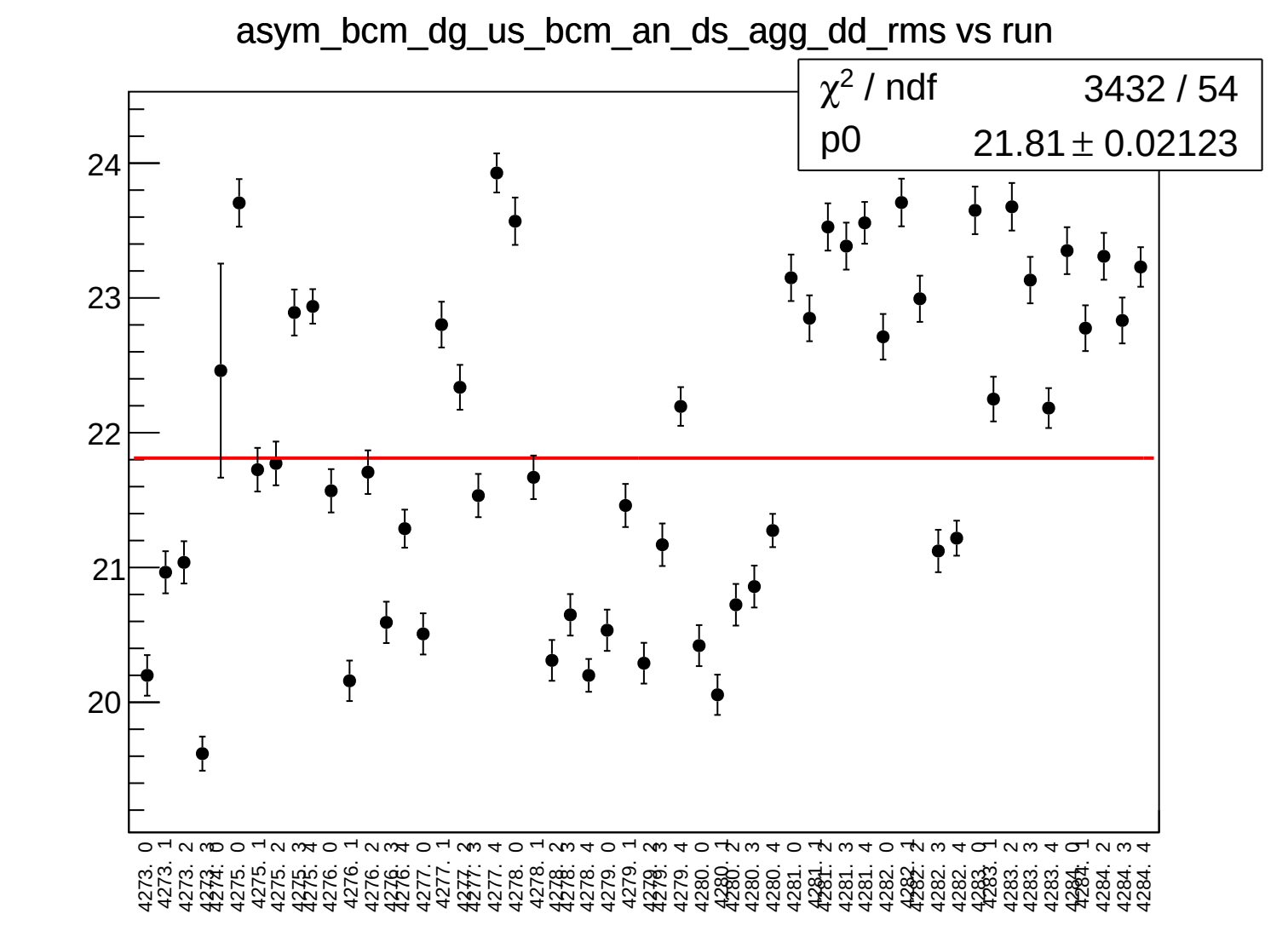

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 82.22 / 54
p0 3.608 ± 30.02
pull
Entries 55
Mean 303.6
Std Dev 275.9
pull1D
Entries 55
Mean 0.0221
Std Dev 1.222


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3432 / 54
p0 21.81 ± 0.02123
24
23
22
21
20
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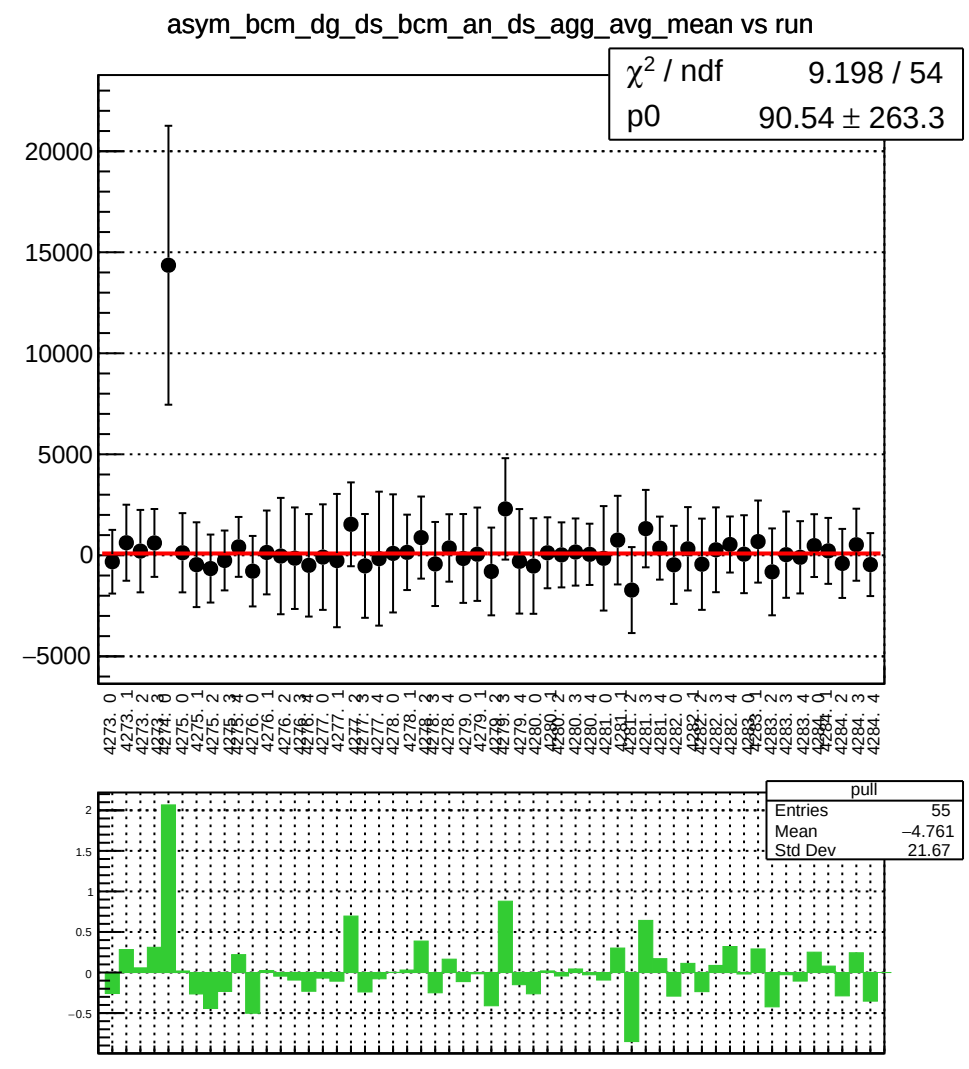
asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 9.198 / 54
p0 90.54 ± 263.3
20000
15000
10000
5000
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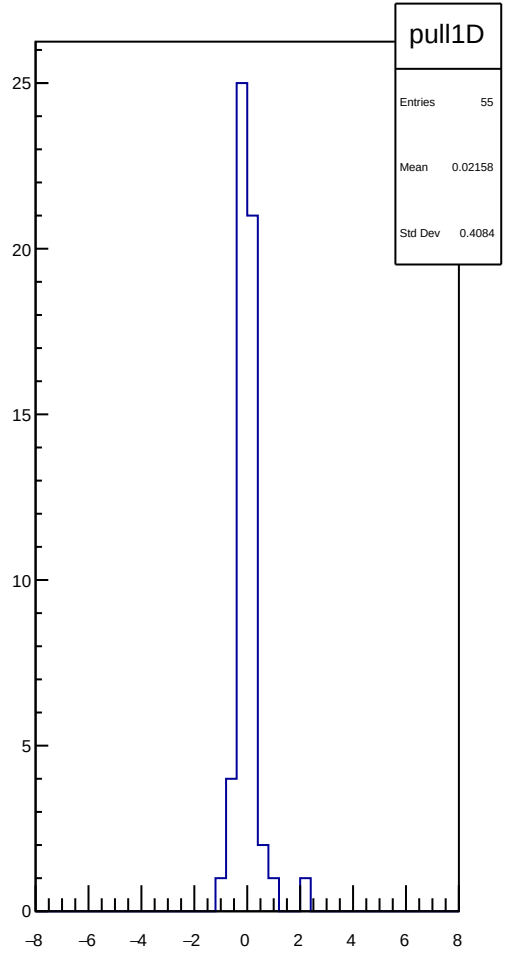
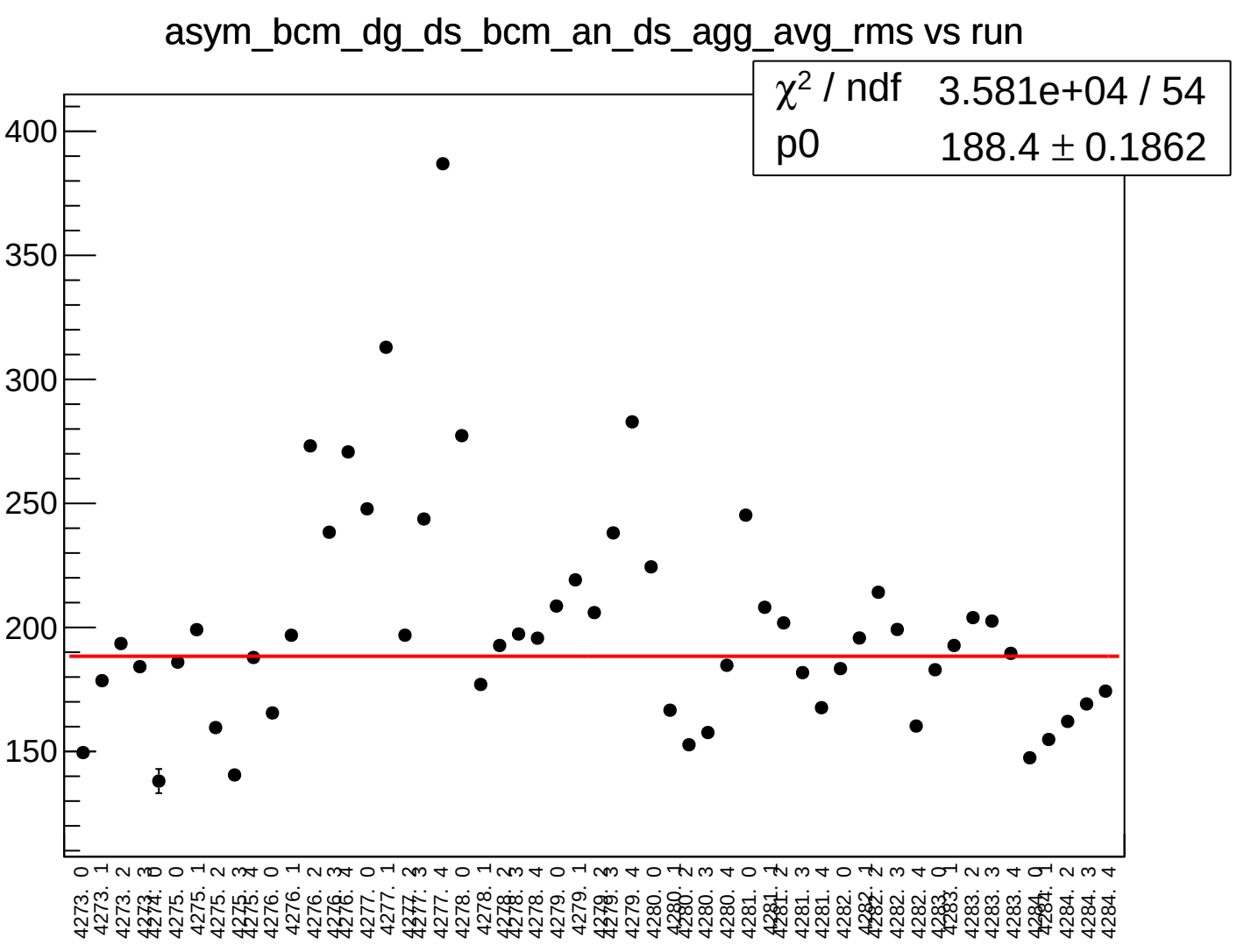
−5000
pull
Entries 55
Mean −4.761
Std Dev 21.67
2
1.5
1
0.5
0
−0.5


pull1D
Entries 55
Mean 0.02158
Std Dev 0.4084
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.581e+04 / 54
p0 188.4 ± 0.1862
400
350
300
250
200
150
4273. 0
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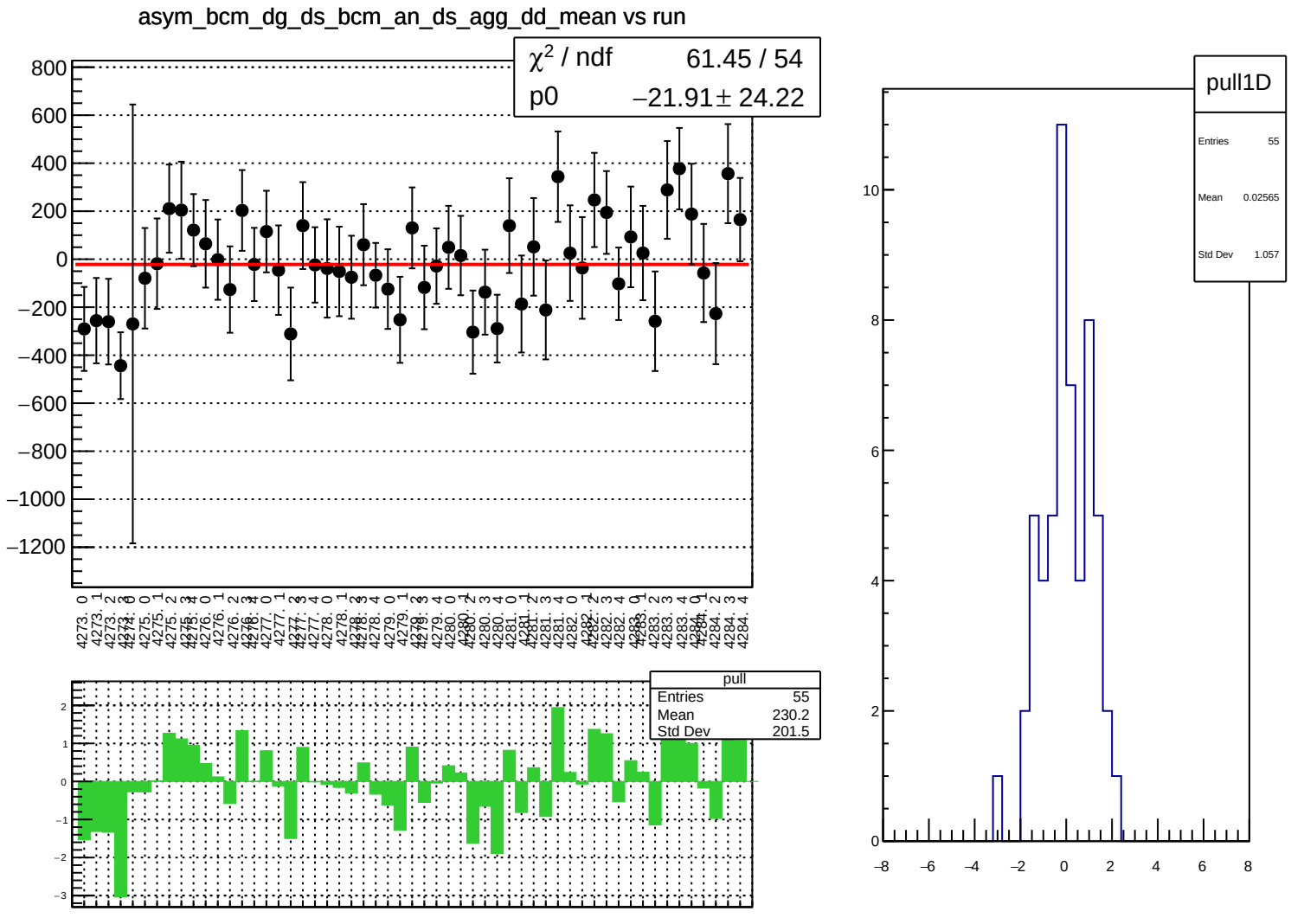
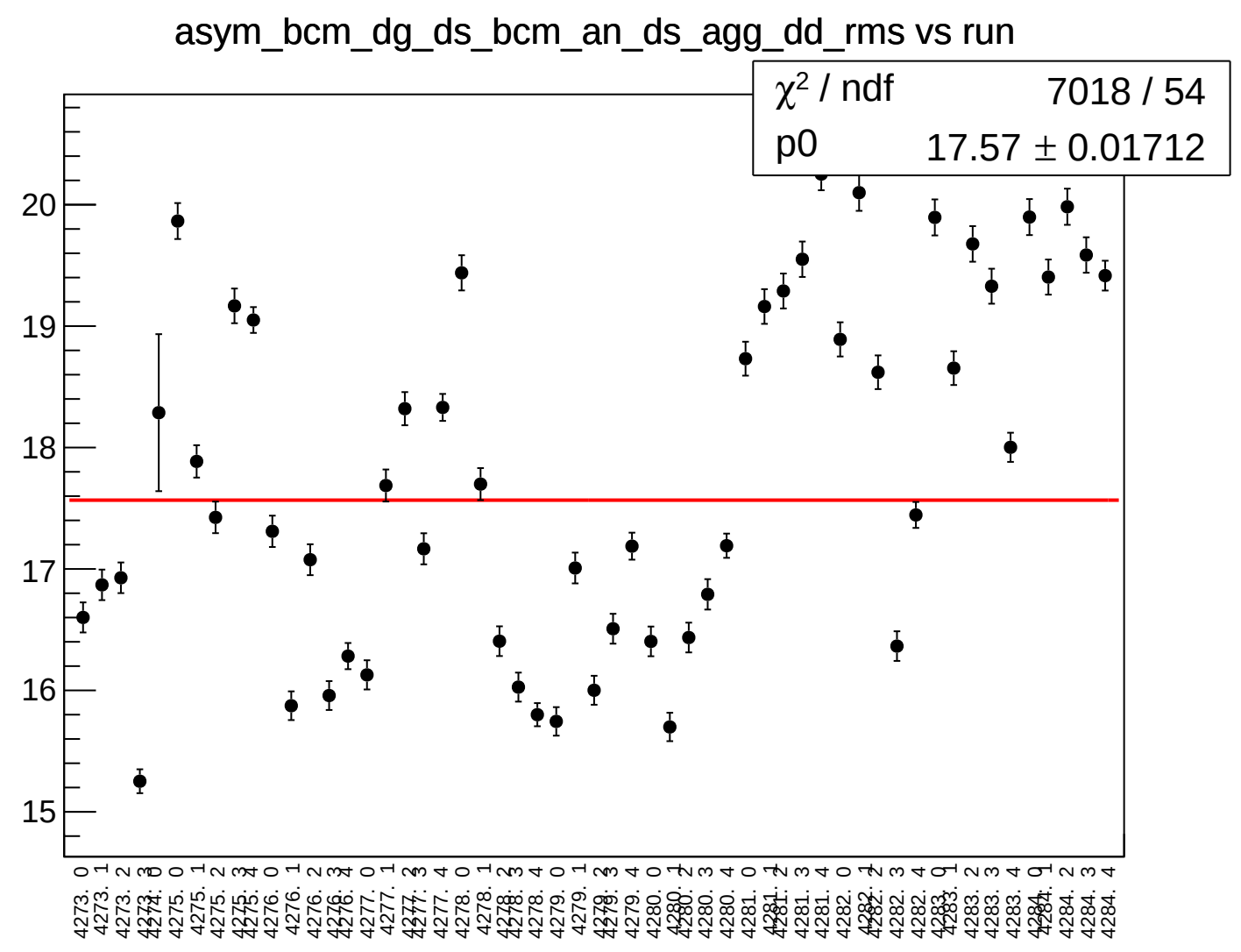
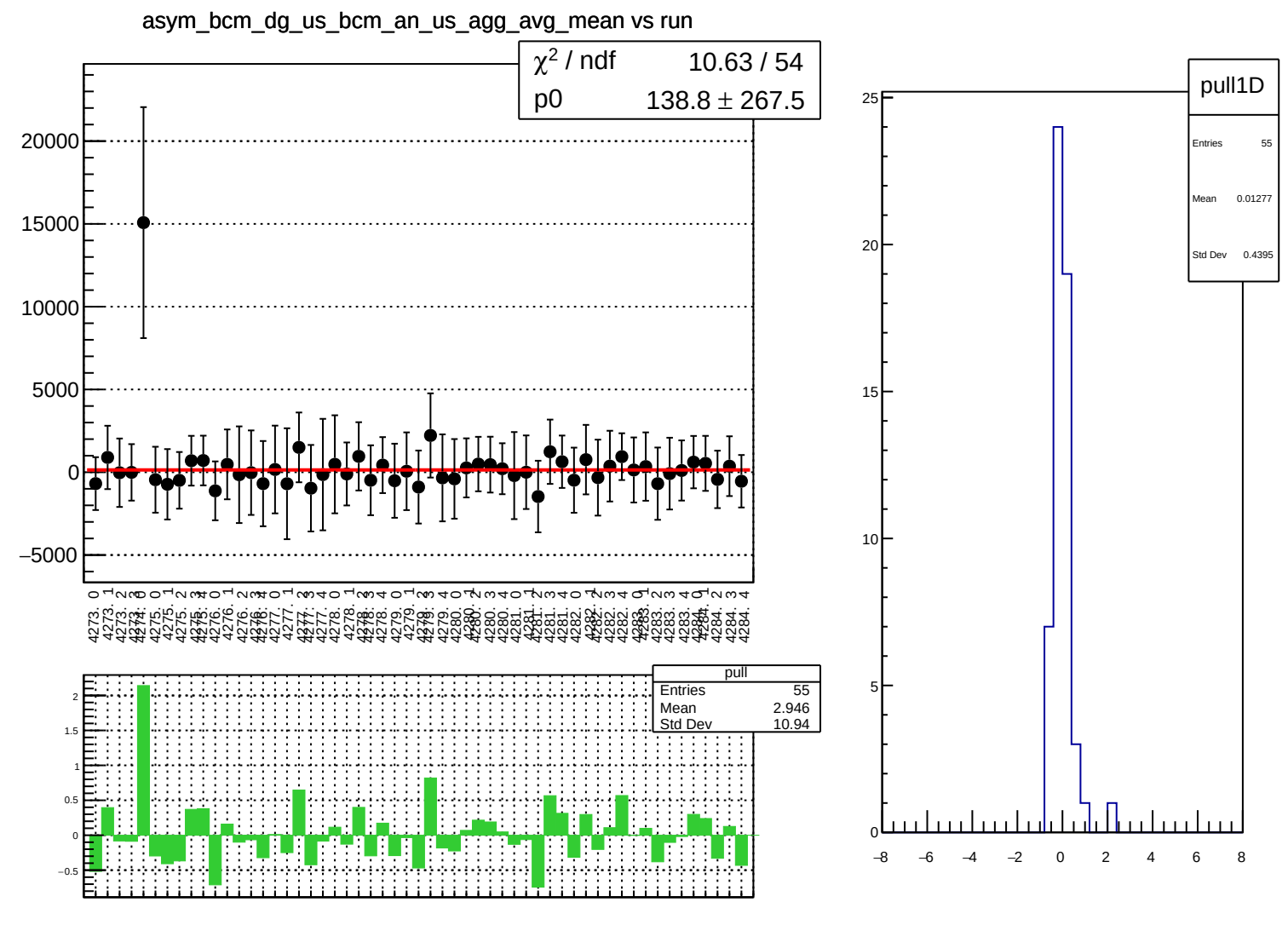
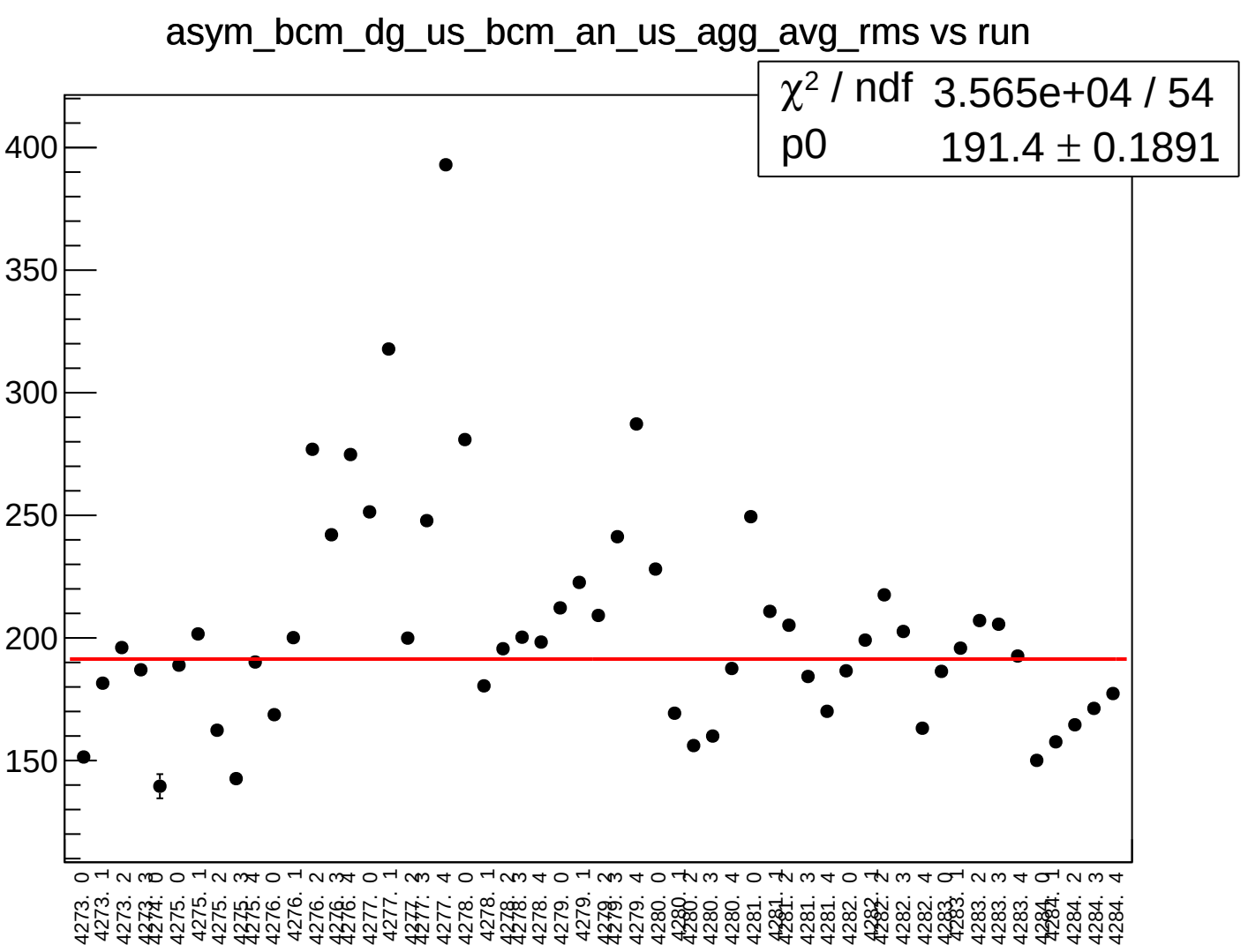

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 61.45 / 54
p0 −21.91 ± 24.22
pull
Entries 55
Mean 230.2
Std Dev 201.5
pull1D
Entries 55
Mean 0.02565
Std Dev 1.057


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 7018 / 54
p0 17.57 ± 0.01712
20
19
18
17
16
15


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 10.63 / 54
p0 138.8 ± 267.5
pull
Entries 55
Mean 2.946
Std Dev 10.94
pull1D
Entries 55
Mean 0.01277
Std Dev 0.4395


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.565e+04 / 54
p0 191.4 ± 0.1891
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350
300
250
200
150
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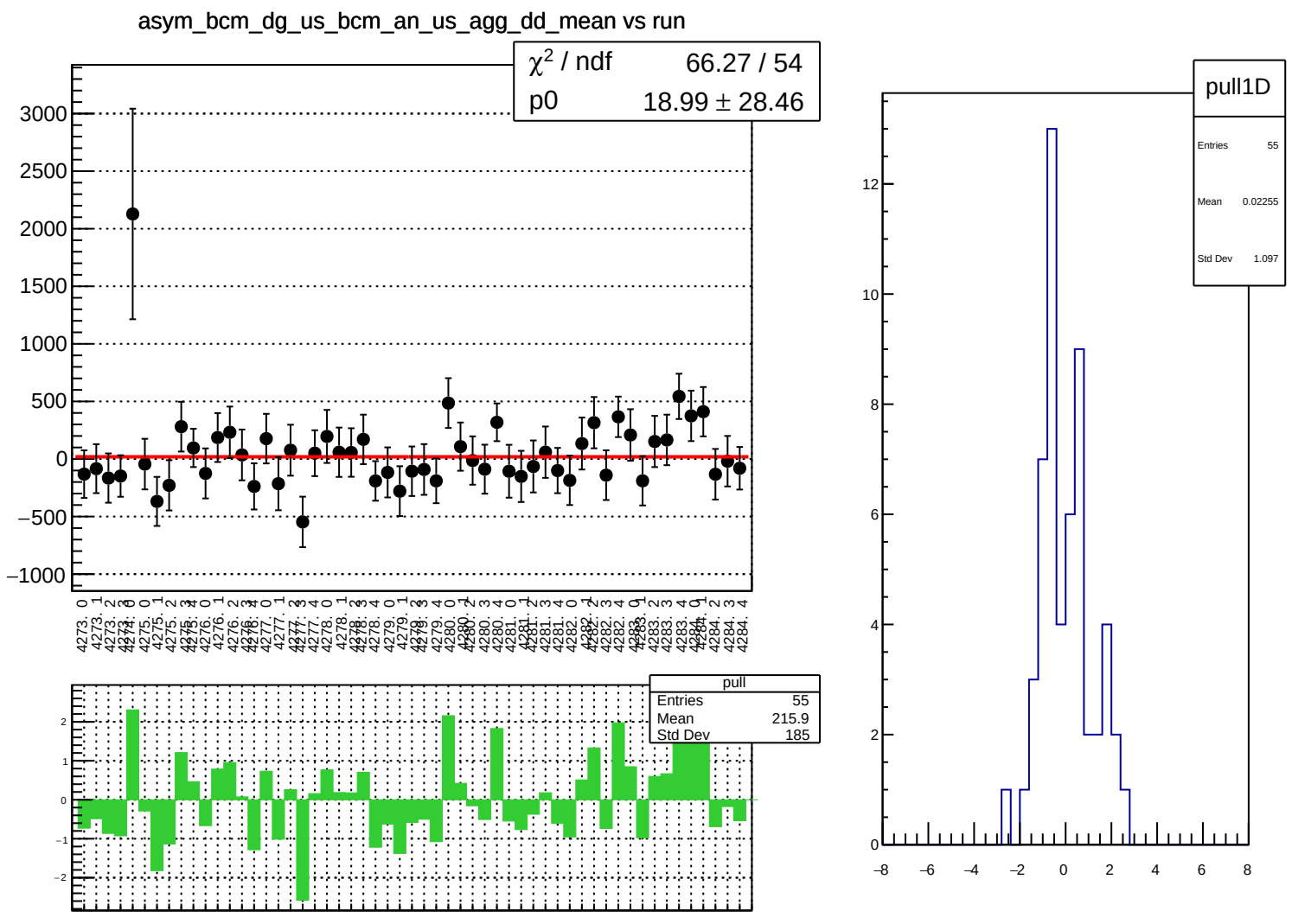
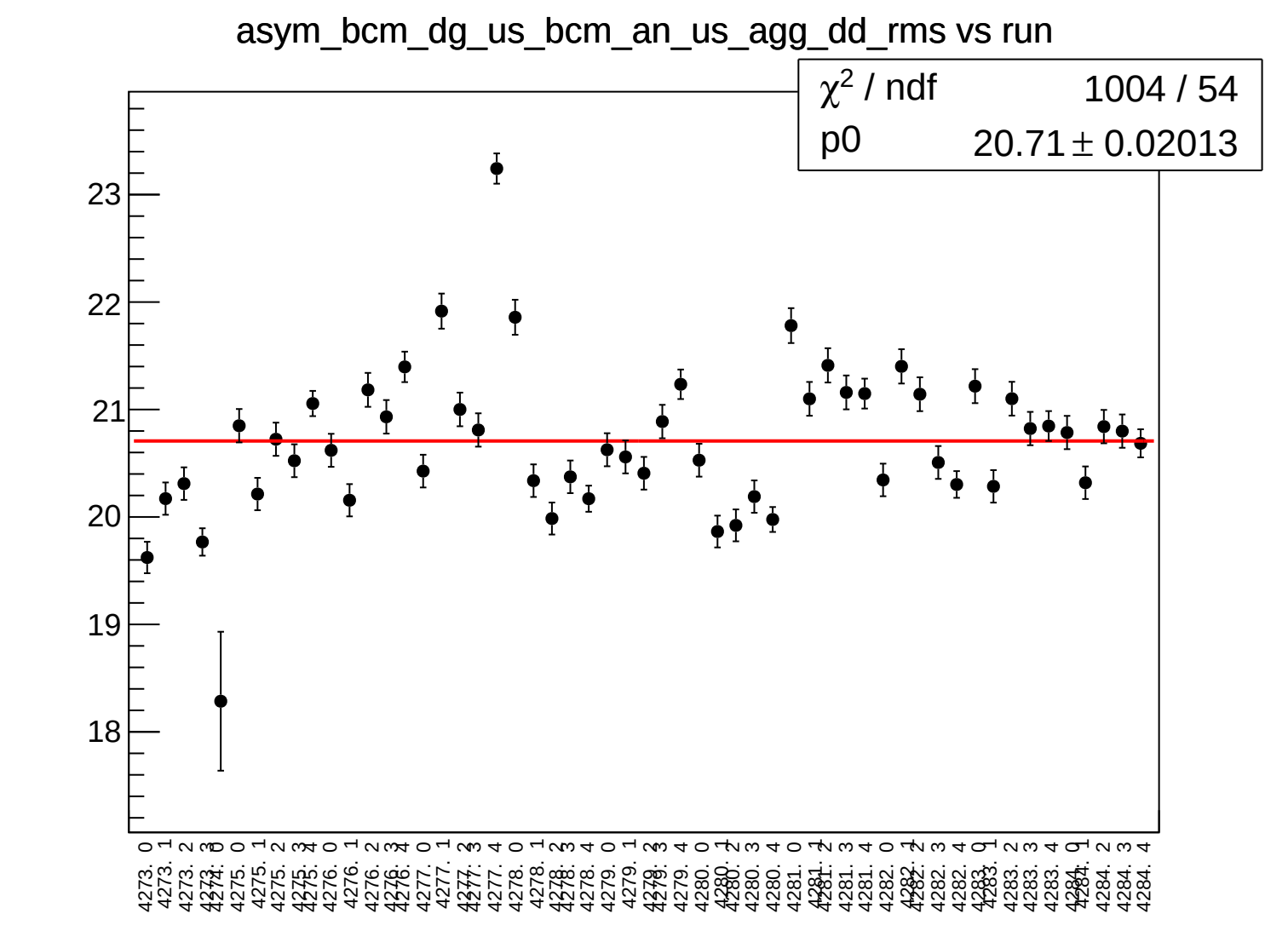

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 66.27 / 54
p0 18.99 ± 28.46
pull
Entries 55
Mean 215.9
Std Dev 185
pull1D
Entries 55
Mean 0.02255
Std Dev 1.097


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1004 / 54
p0 20.71 ± 0.02013
23
22
21
20
19
18
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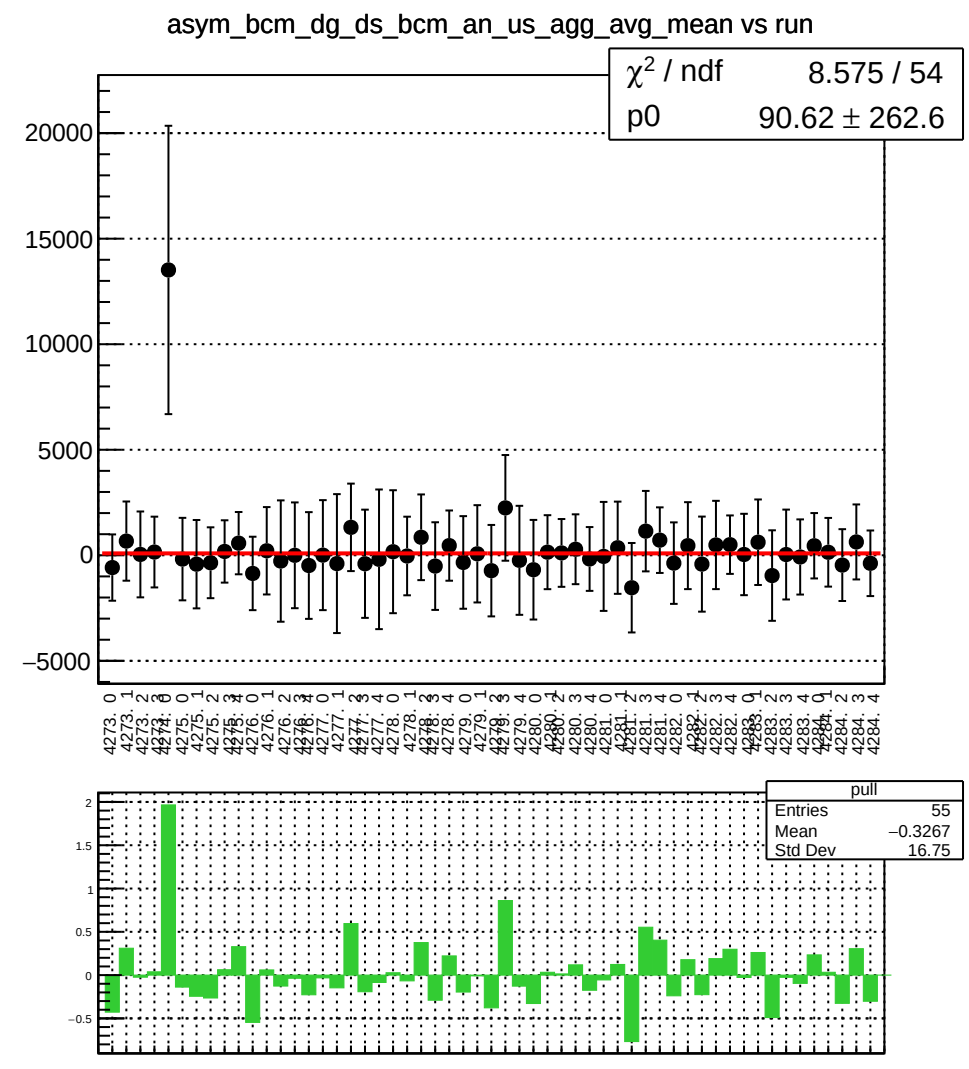
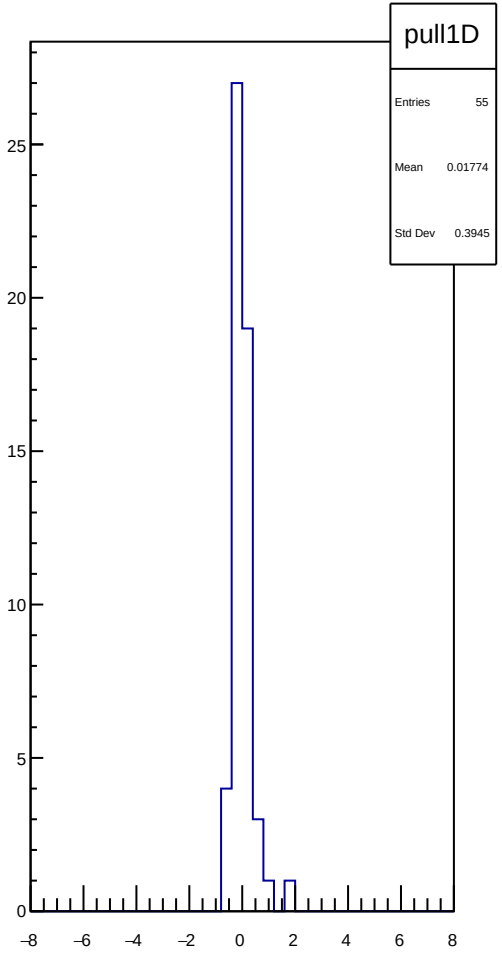
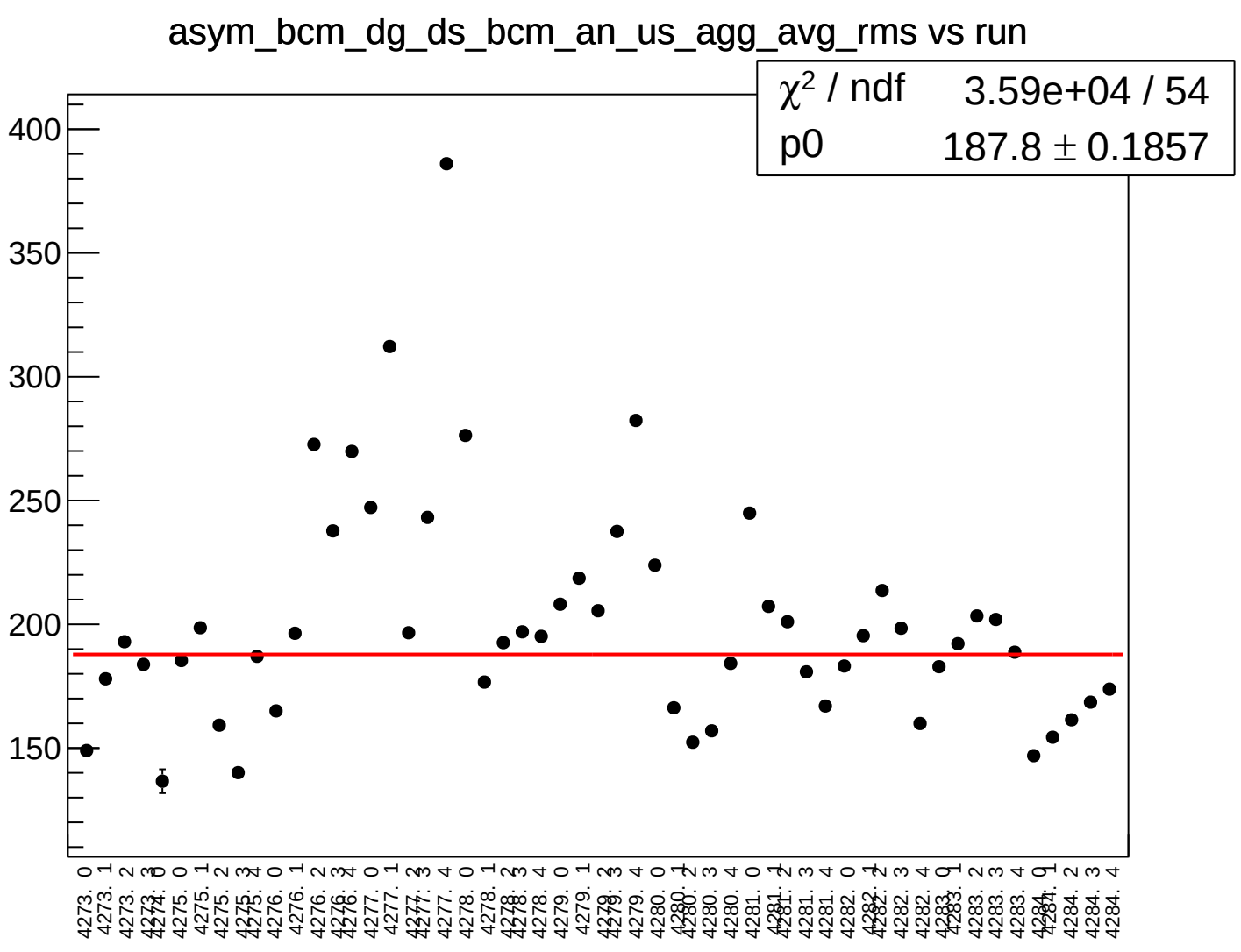

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 8.575 / 54
p0 90.62 ± 262.6
pull
Entries 55
Mean −0.3267
Std Dev 16.75


pull1D
Entries 55
Mean 0.01774
Std Dev 0.3945


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.59e+04 / 54
p0 187.8 ± 0.1857
400
350
300
250
200
150
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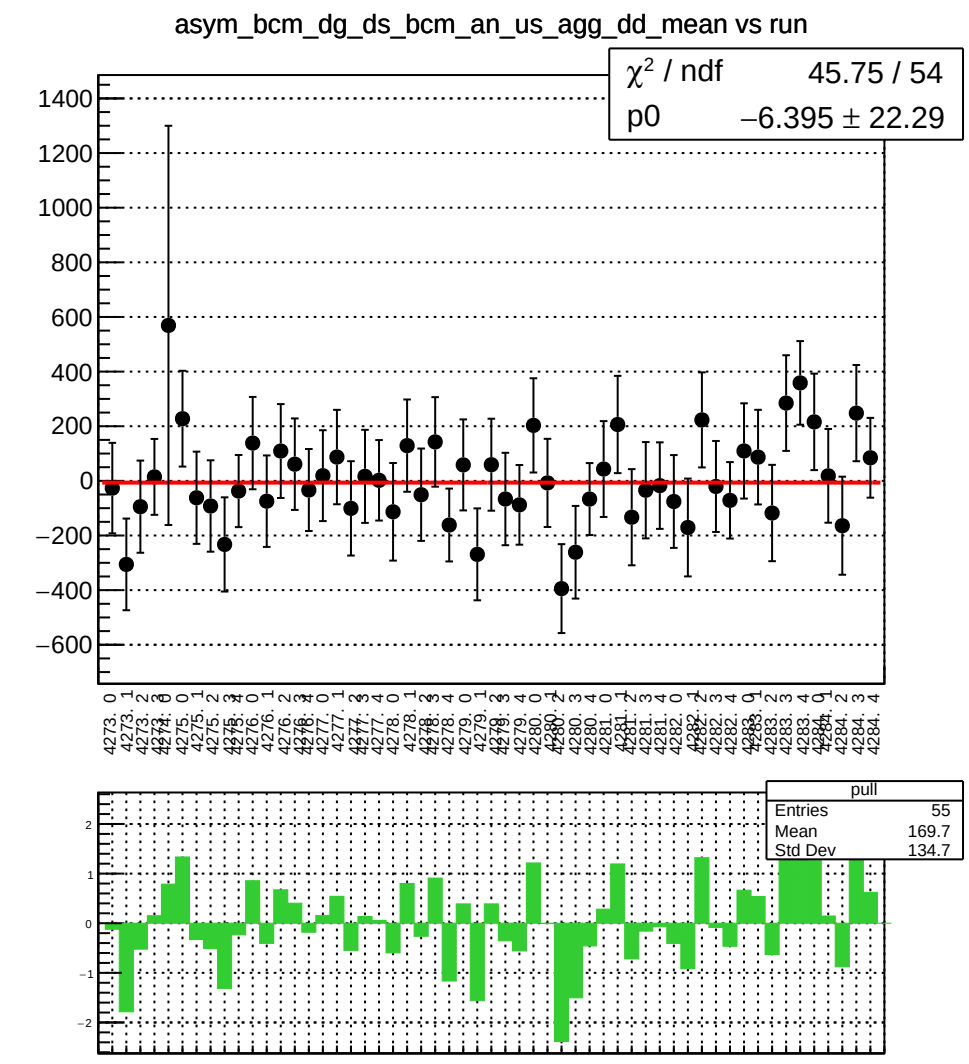
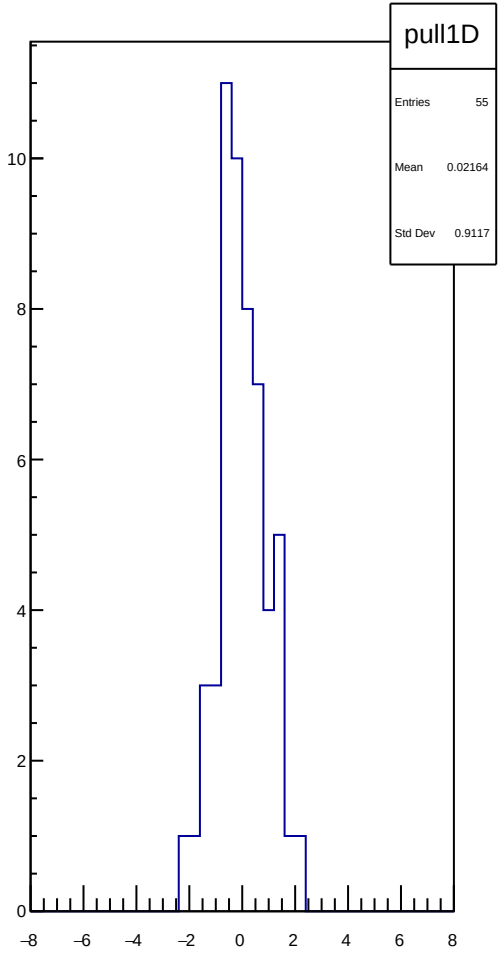
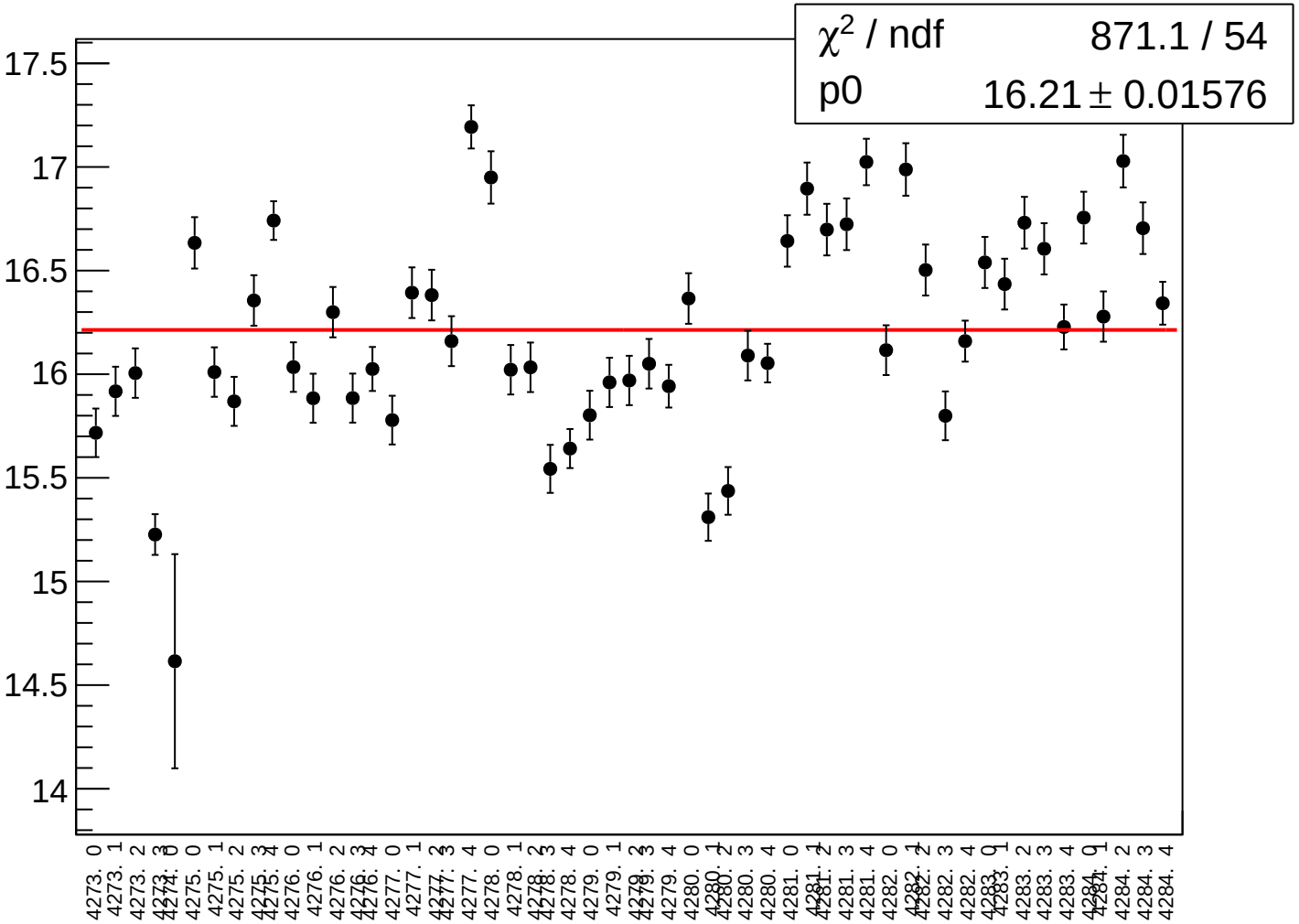

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 45.75 / 54
p0 −6.395 ± 22.29
pull
Entries 55
Mean 169.7
Std Dev 134.7


pull1D
Entries 55
Mean 0.02164
Std Dev 0.9117


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 871.1 / 54
p0 16.21 ± 0.01576
17.5
17
16.5
16
15.5
15
14.5
14
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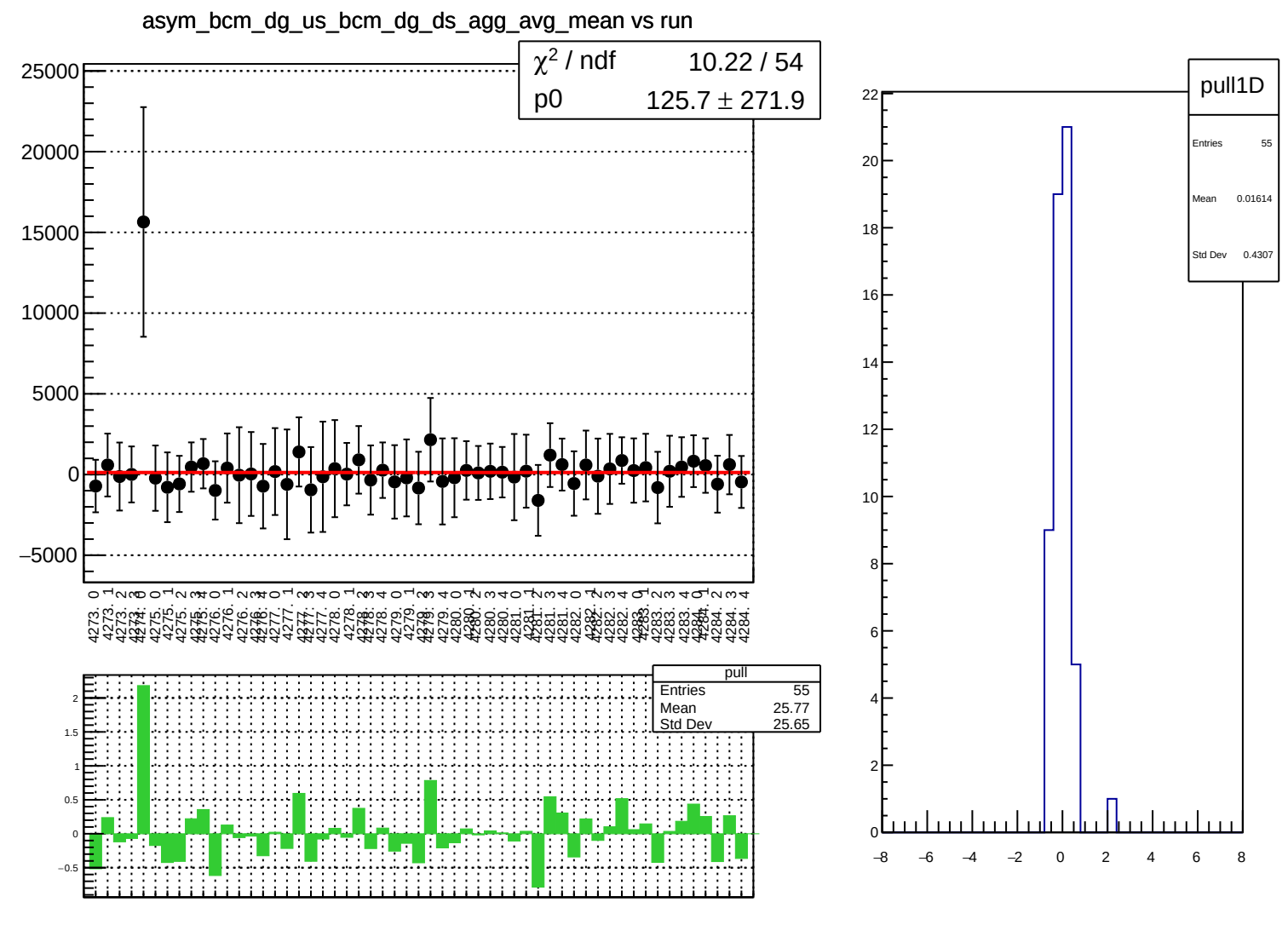
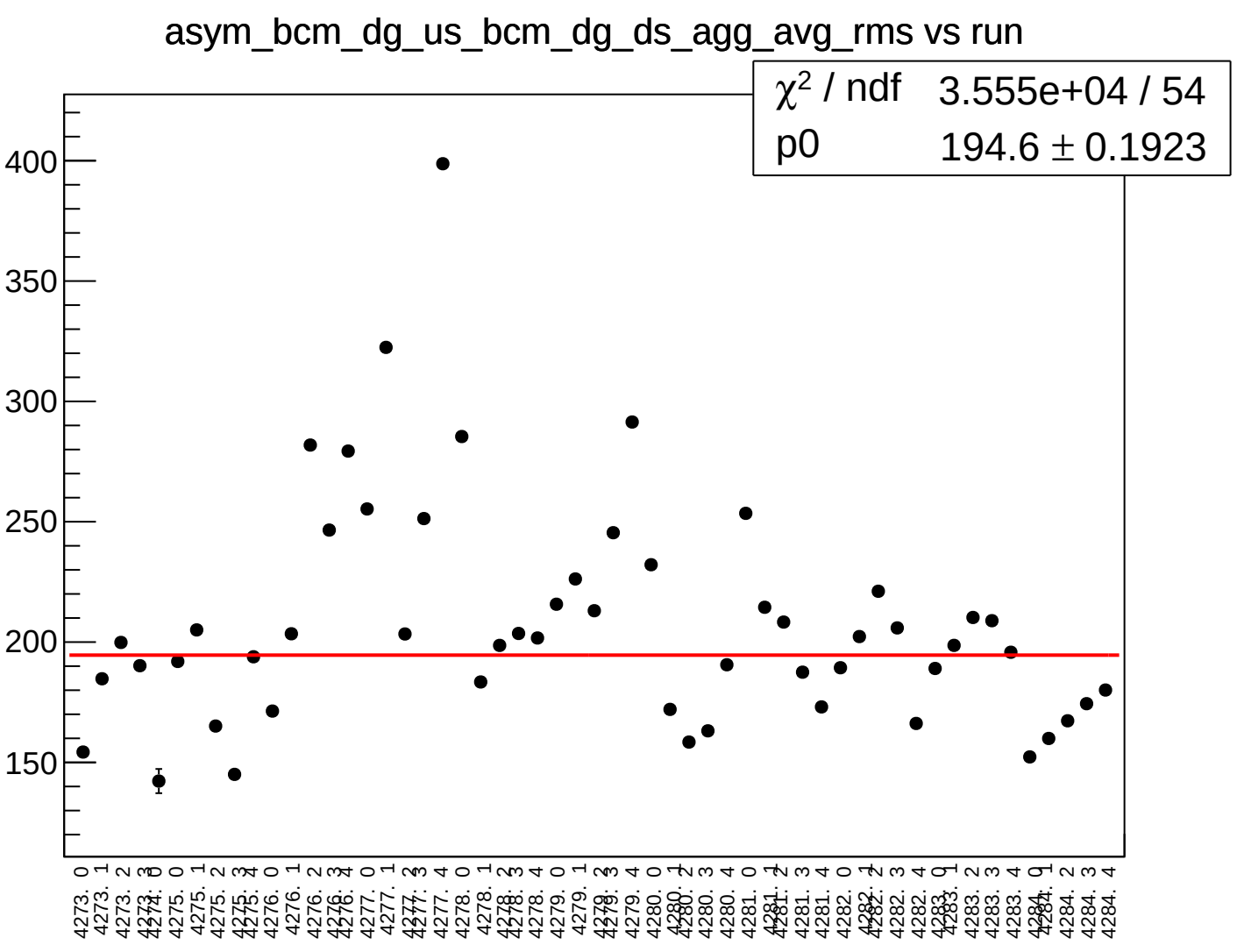

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 10.22 / 54
p0 125.7 ± 271.9
pull
Entries 55
Mean 25.77
Std Dev 25.65
pull1D
Entries 55
Mean 0.01614
Std Dev 0.4307


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.555e+04 / 54
p0 194.6 ± 0.1923
400
350
300
250
200
150
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4273. 3
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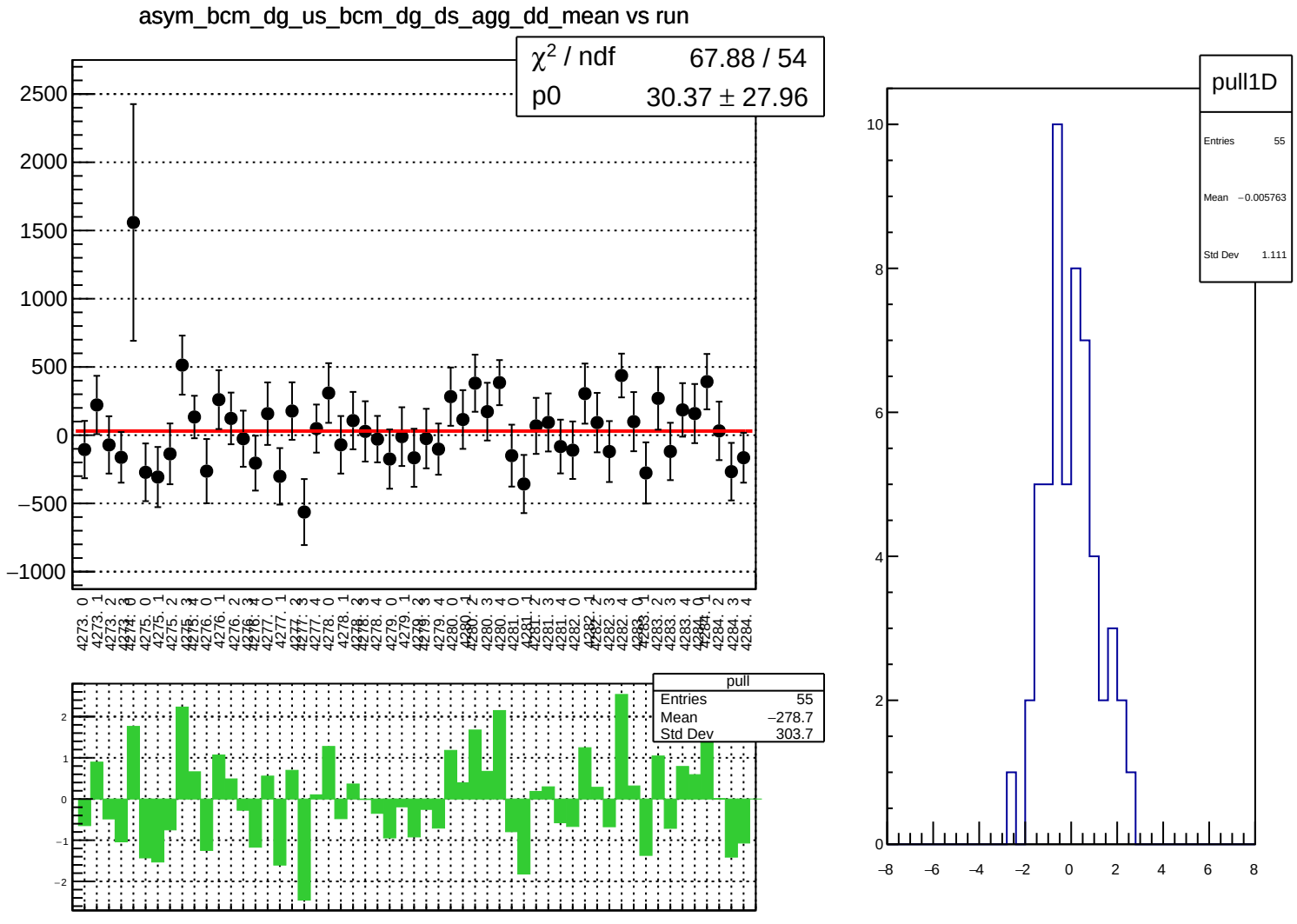
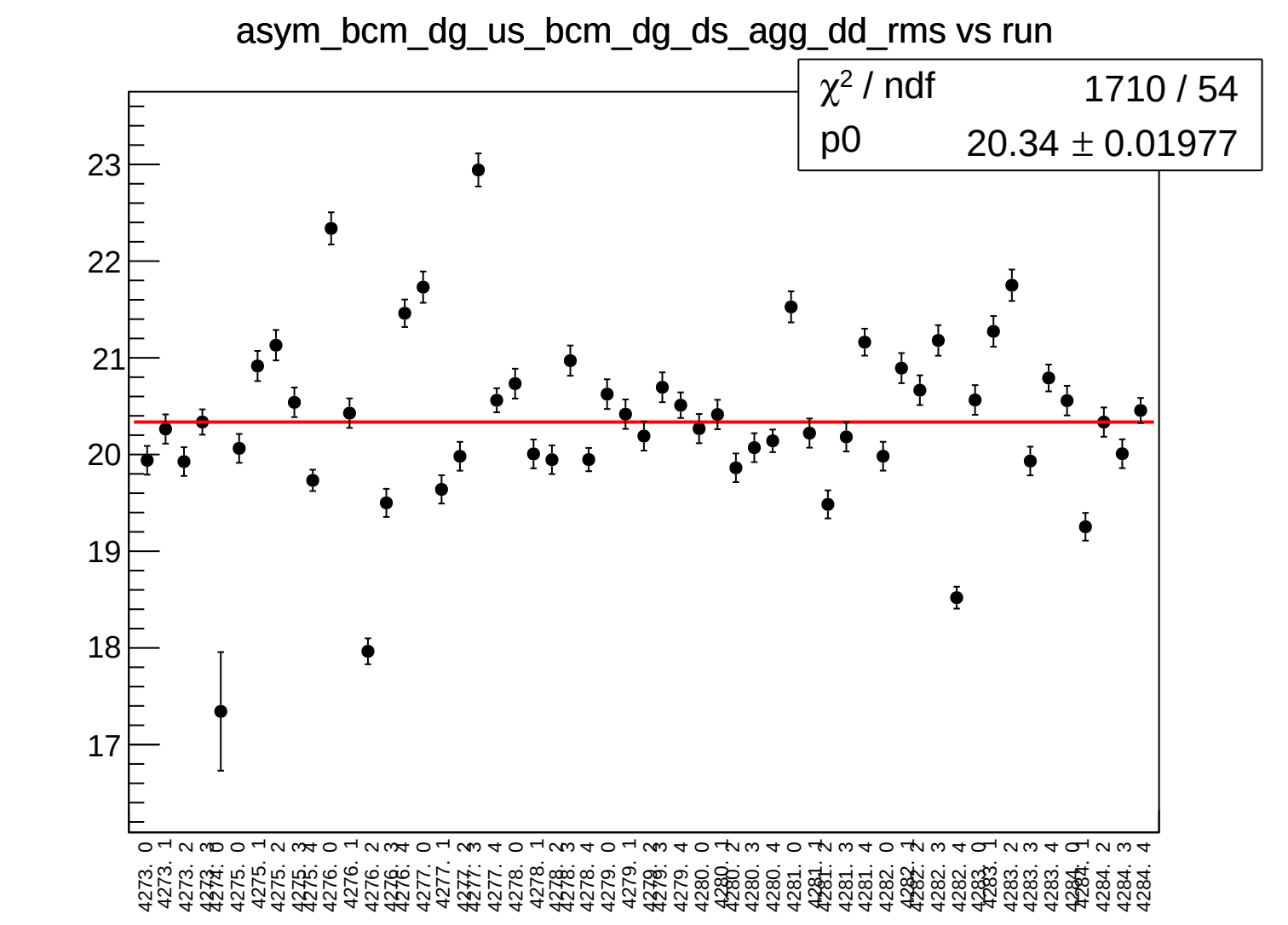

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 67.88 / 54
p0 30.37 ± 27.96
pull
Entries 55
Mean −278.7
Std Dev 303.7
pull1D
Entries 55
Mean −0.005763
Std Dev 1.111


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1710 / 54
p0 20.34 ± 0.01977
23
22
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4273. 0
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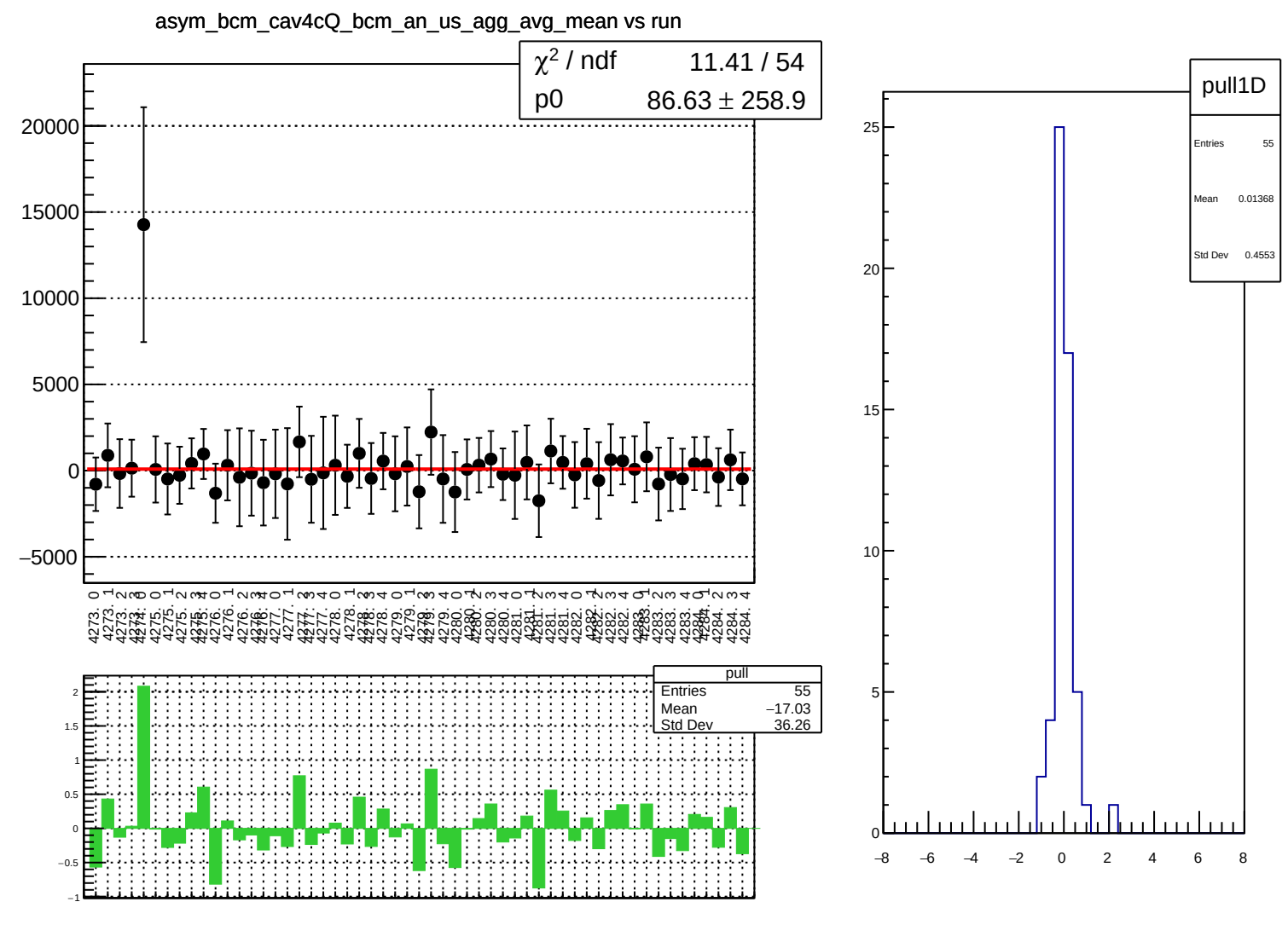
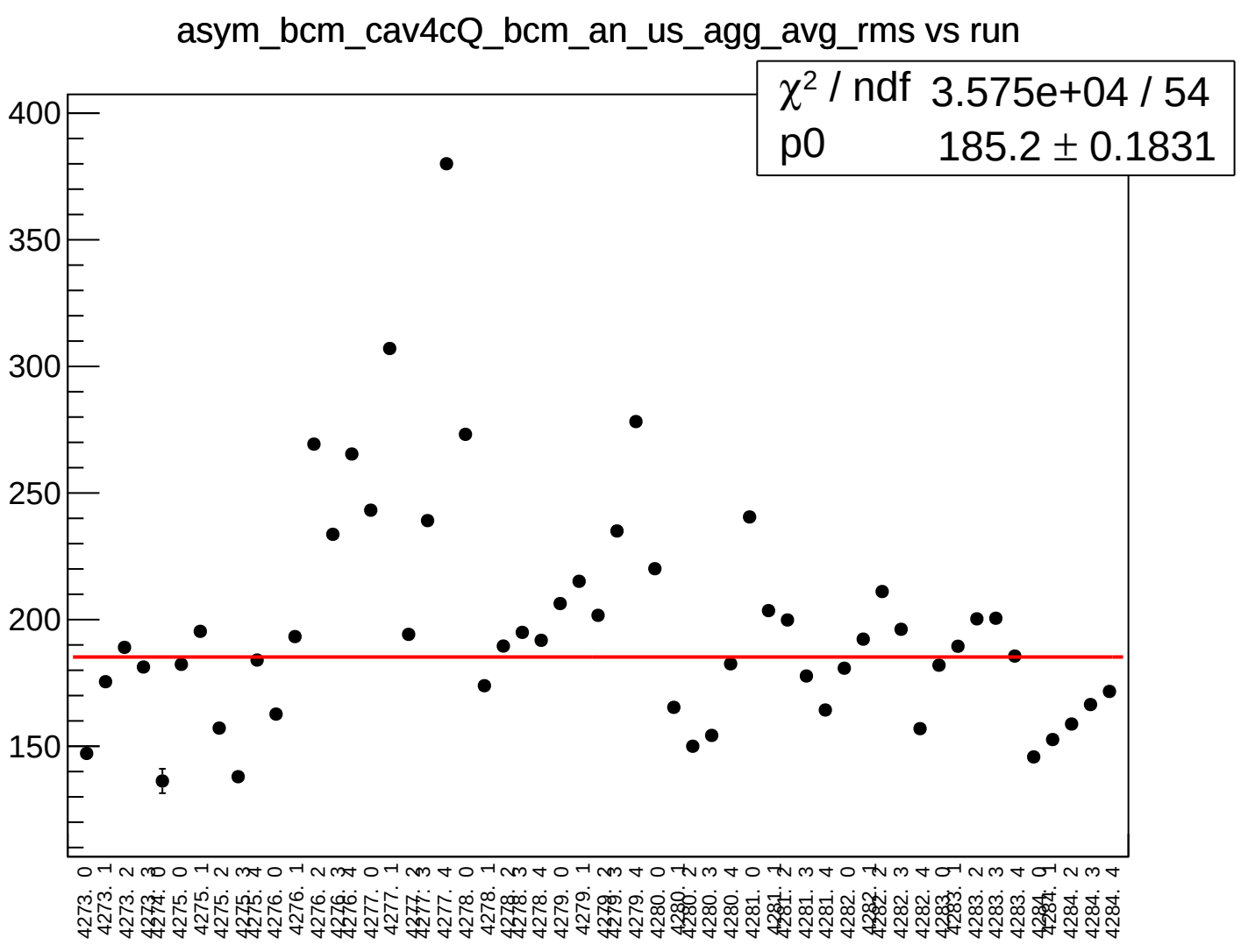

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.41 / 54
p0 86.63 ± 258.9
pull
Entries 55
Mean −17.03
Std Dev 36.26
pull1D
Entries 55
Mean 0.01368
Std Dev 0.4553


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.575e+04 / 54
p0 185.2 ± 0.1831
400
350
300
250
200
150
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4273. 1
4273. 2
4273. 3
4273. 4
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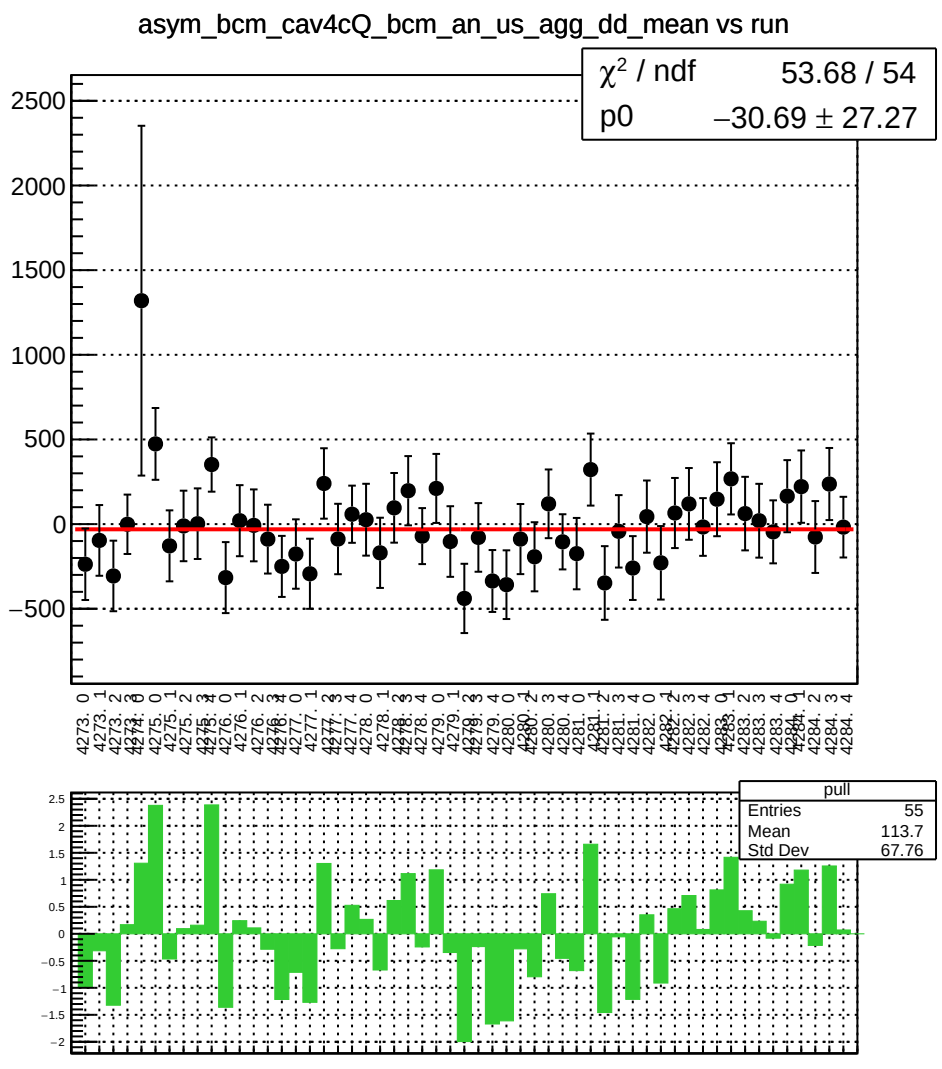
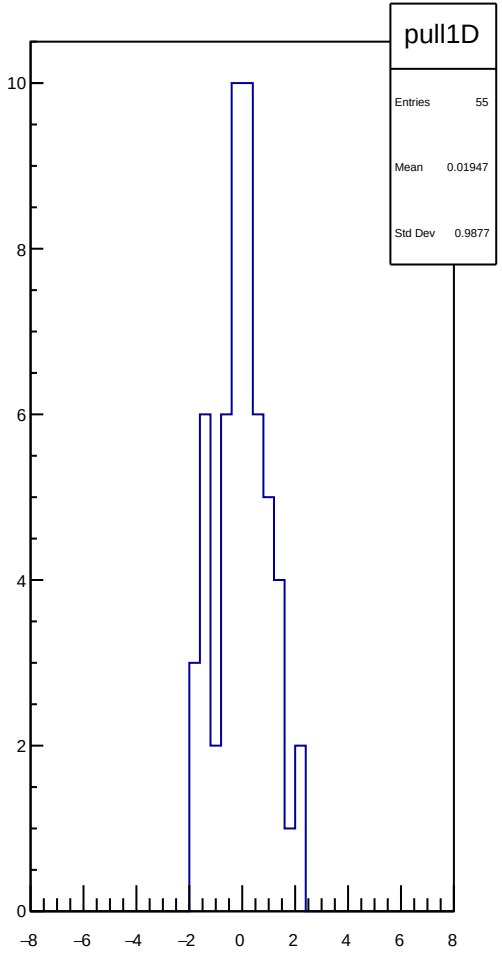
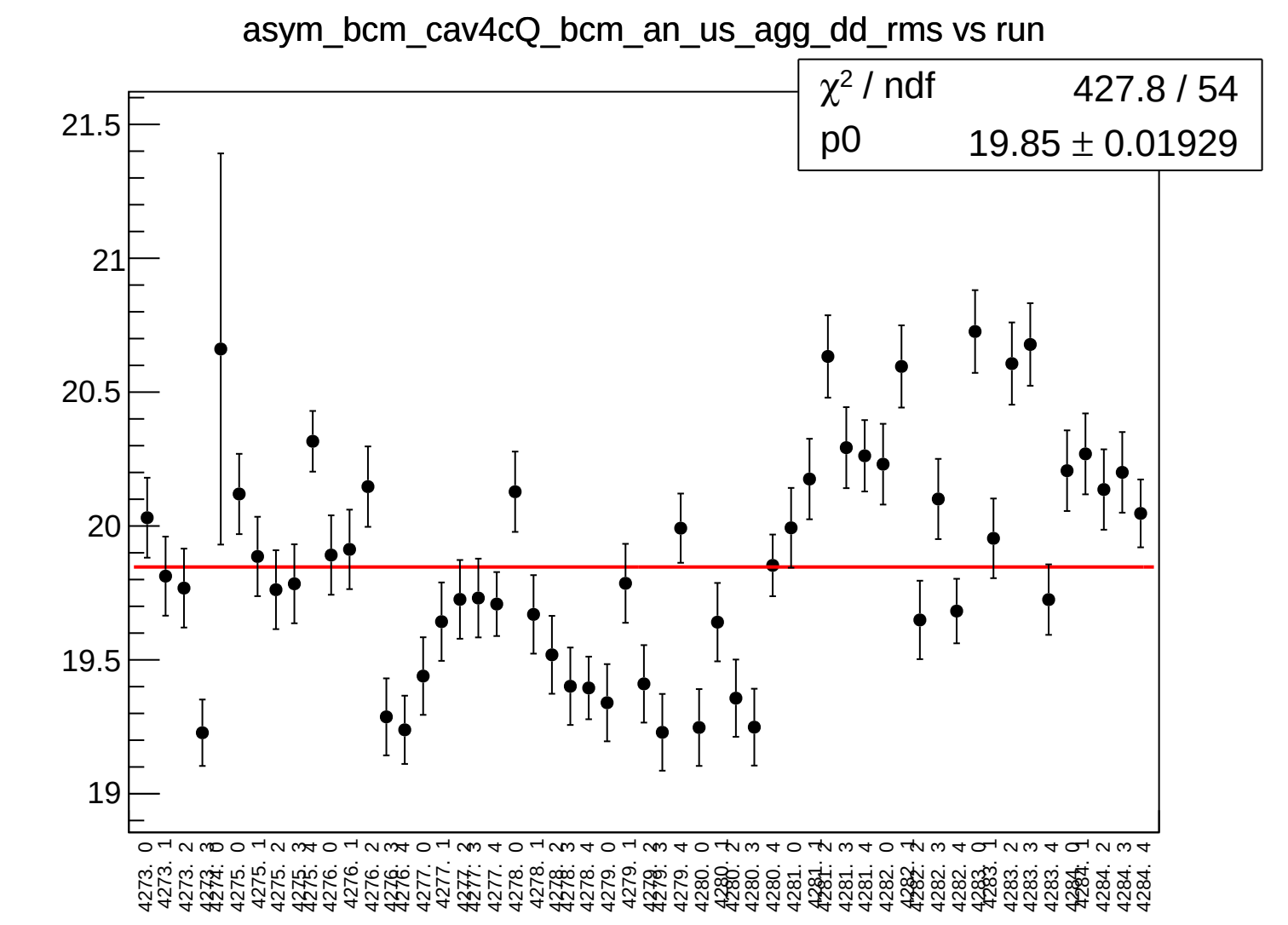
4284. 4


asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 53.68 / 54
p0 −30.69 ± 27.27
pull
Entries 55
Mean 113.7
Std Dev 67.76


pull1D
Entries 55
Mean 0.01947
Std Dev 0.9877


asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 427.8 / 54
p0 19.85 ± 0.01929
21.5
21
20.5
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19.5
19
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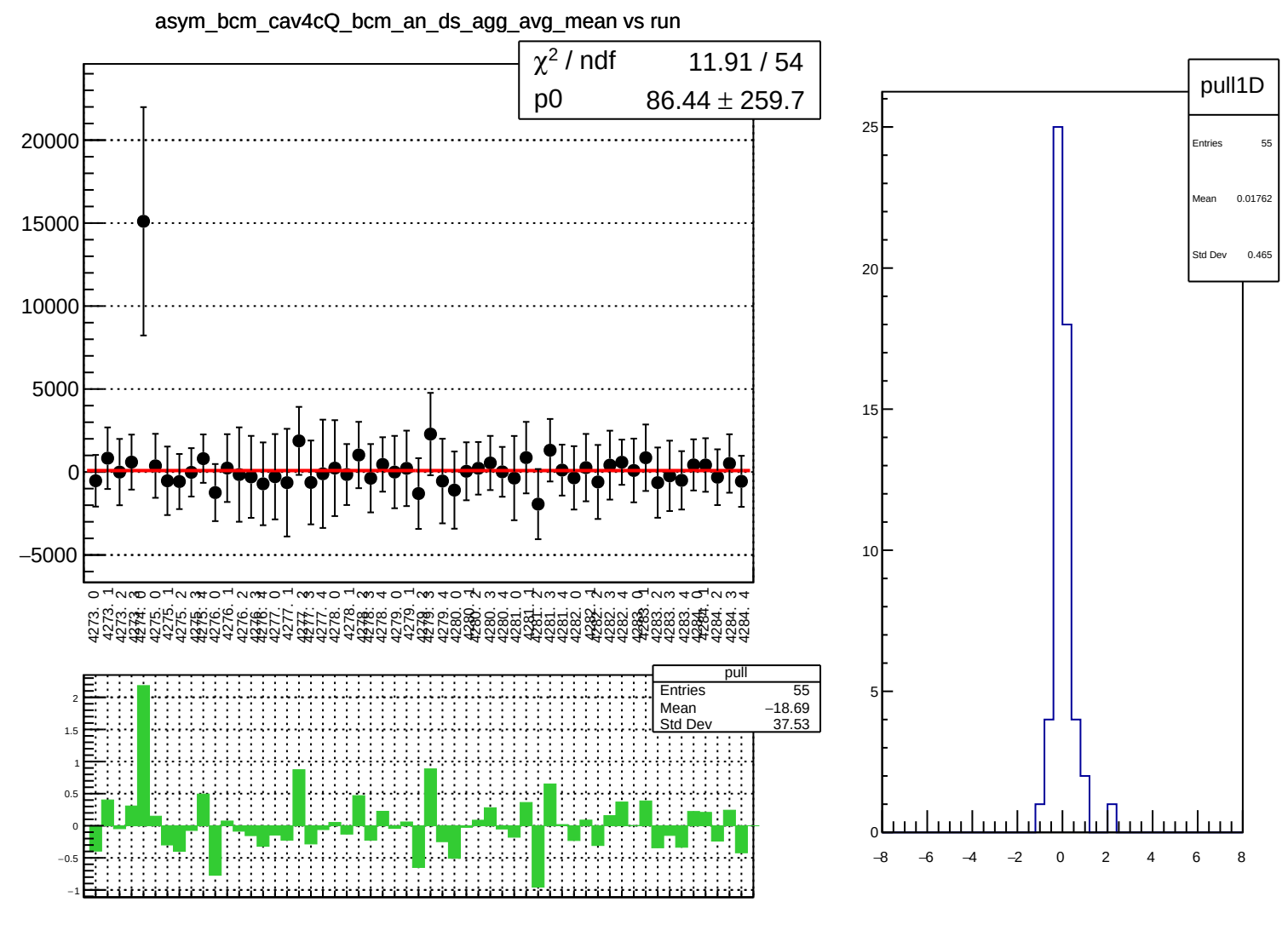
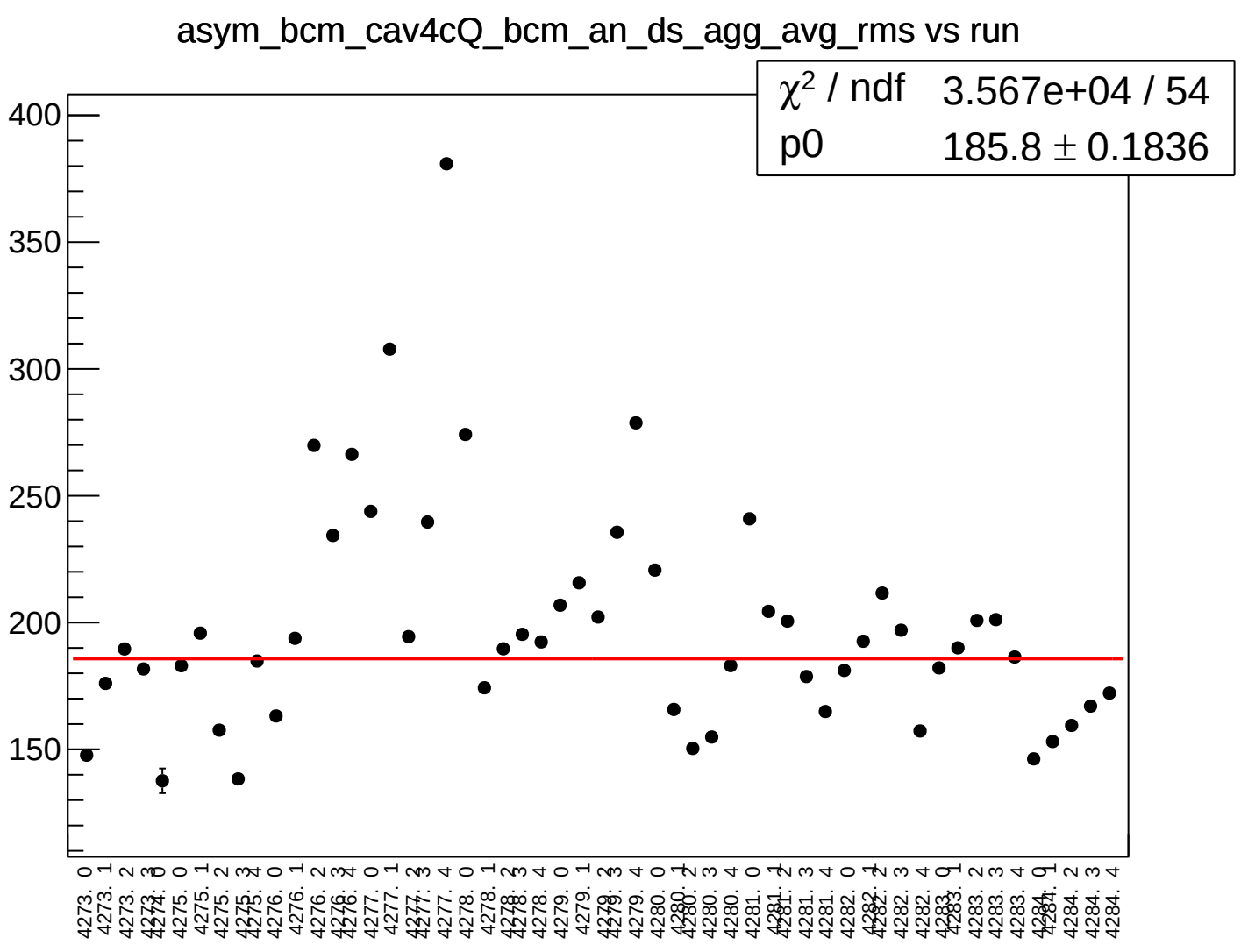

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.91 / 54
p0 86.44 ± 259.7
pull
Entries 55
Mean −18.69
Std Dev 37.53
pull1D
Entries 55
Mean 0.01762
Std Dev 0.465


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.567e+04 / 54
p0 185.8 ± 0.1836
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350
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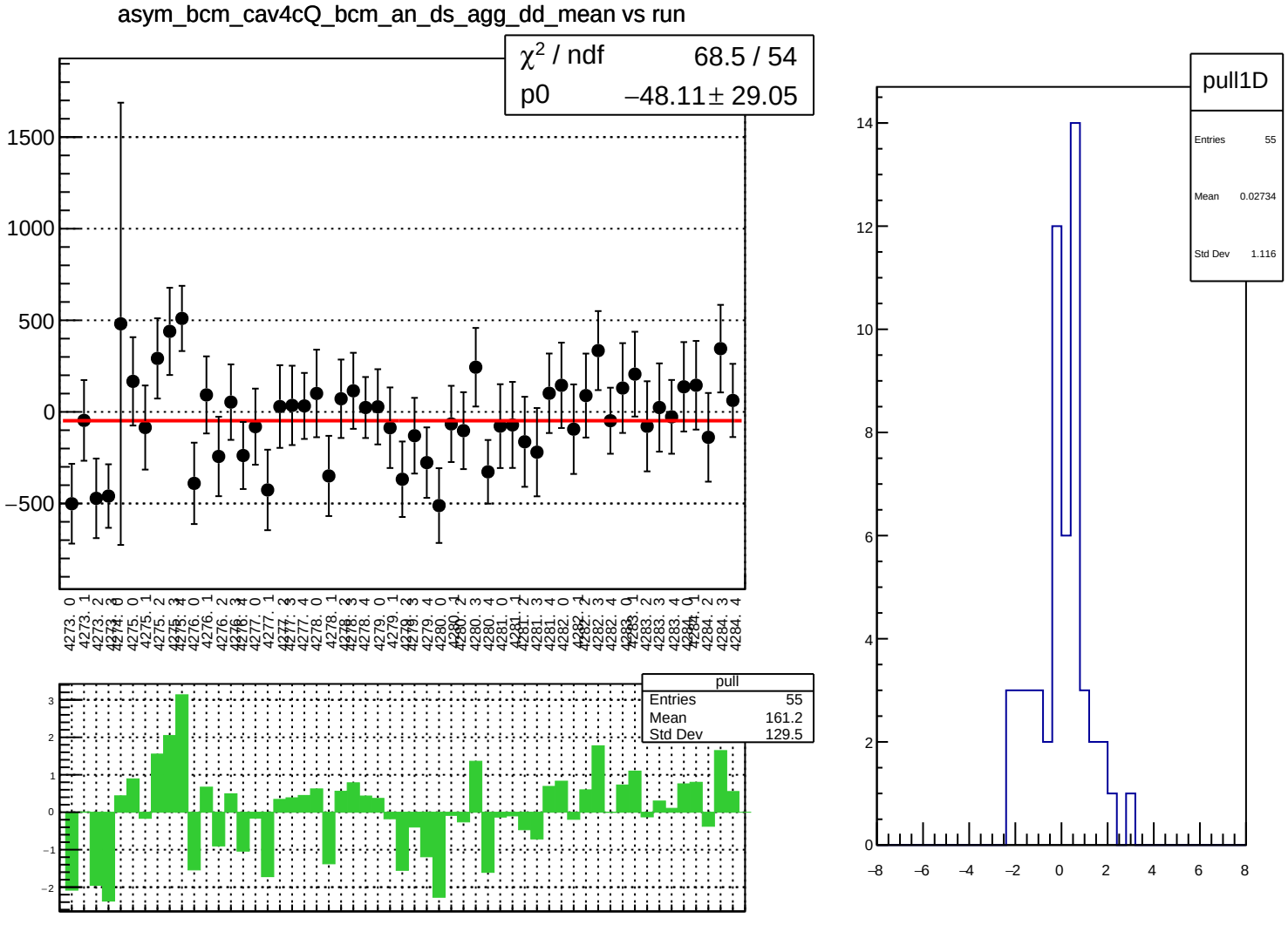
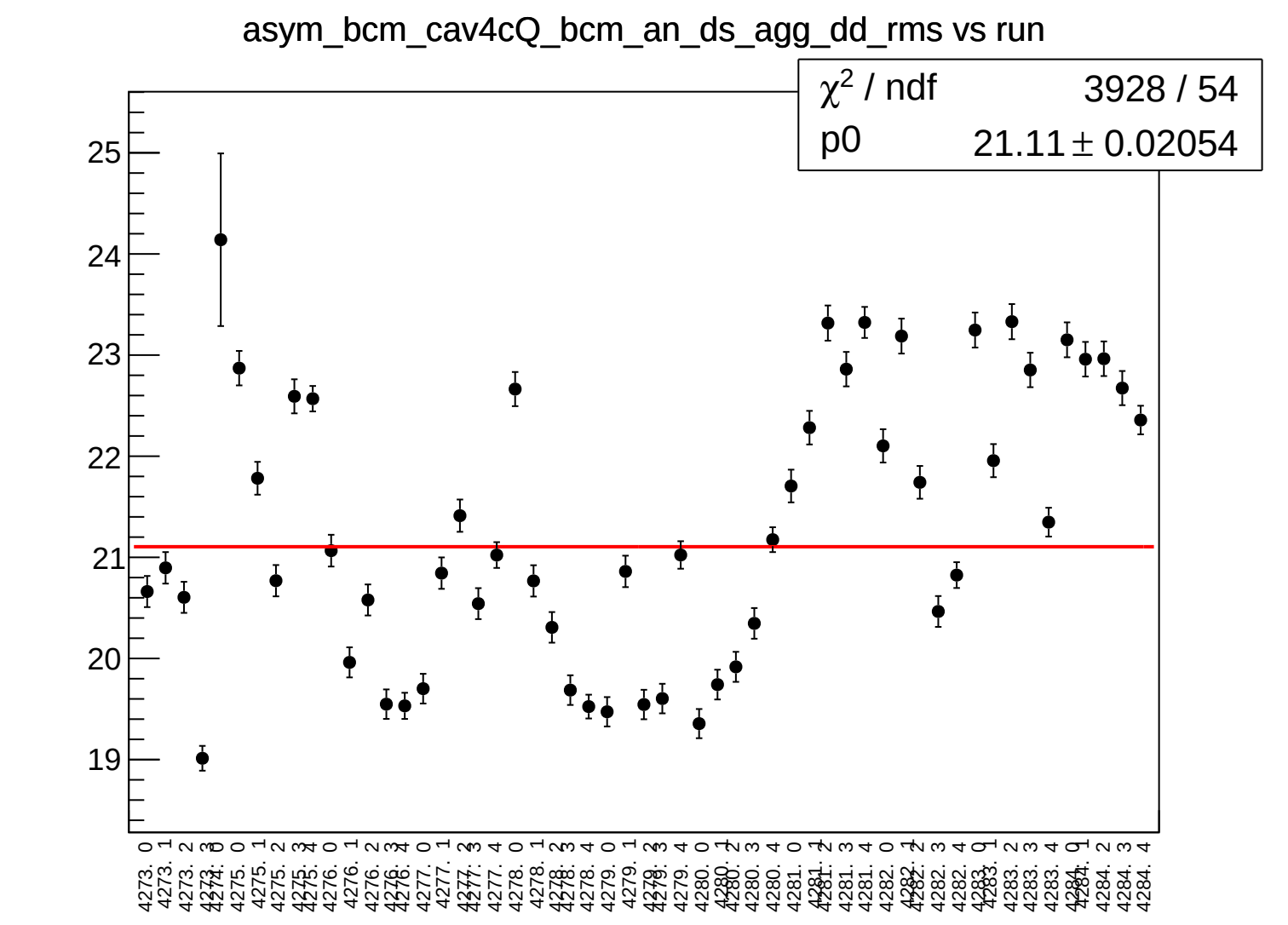

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 68.5 / 54
p0 −48.11 ± 29.05
pull
Entries 55
Mean 161.2
Std Dev 129.5
pull1D
Entries 55
Mean 0.02734
Std Dev 1.116


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3928 / 54
p0 21.11 ± 0.02054
25
24
23
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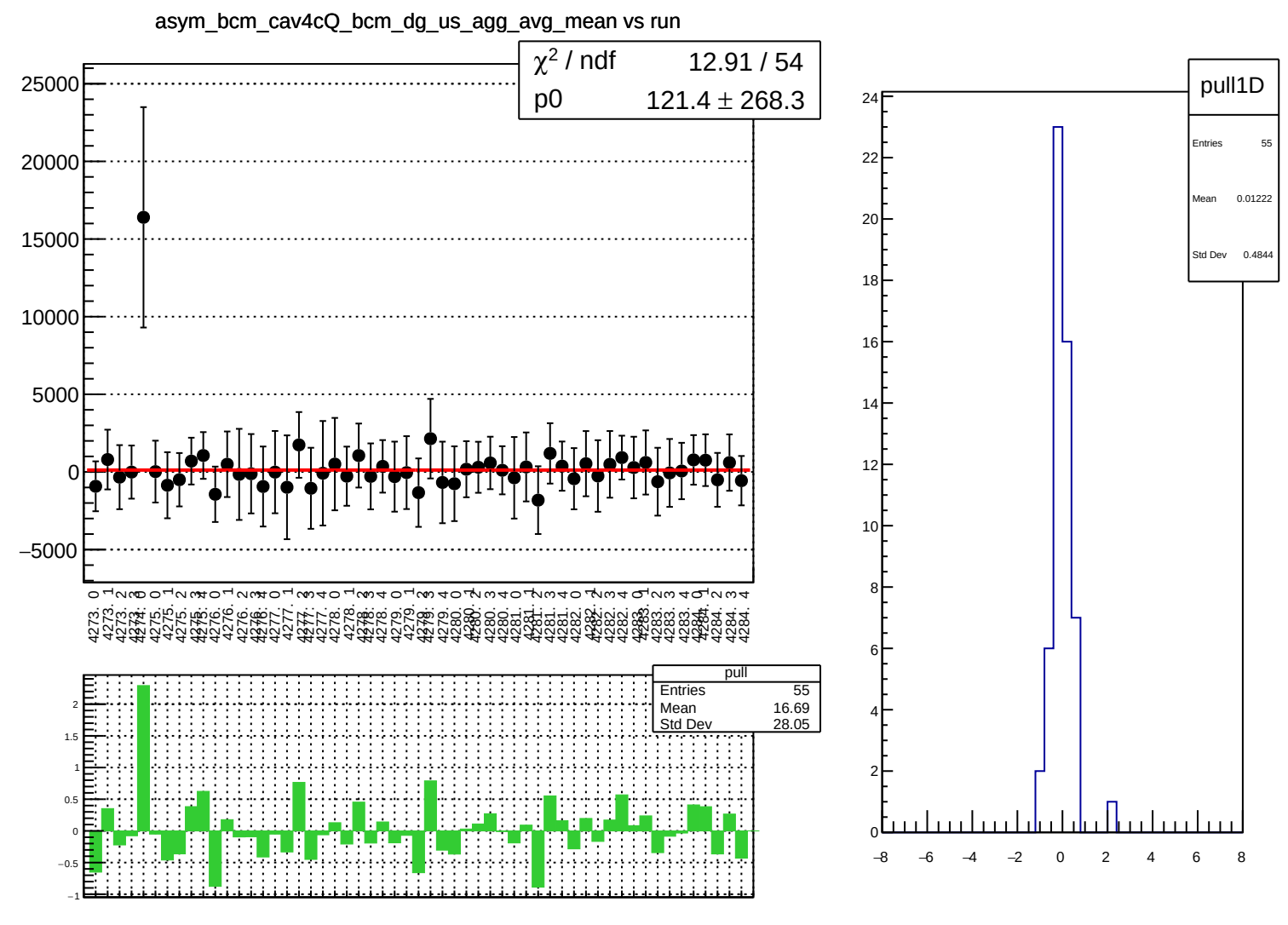
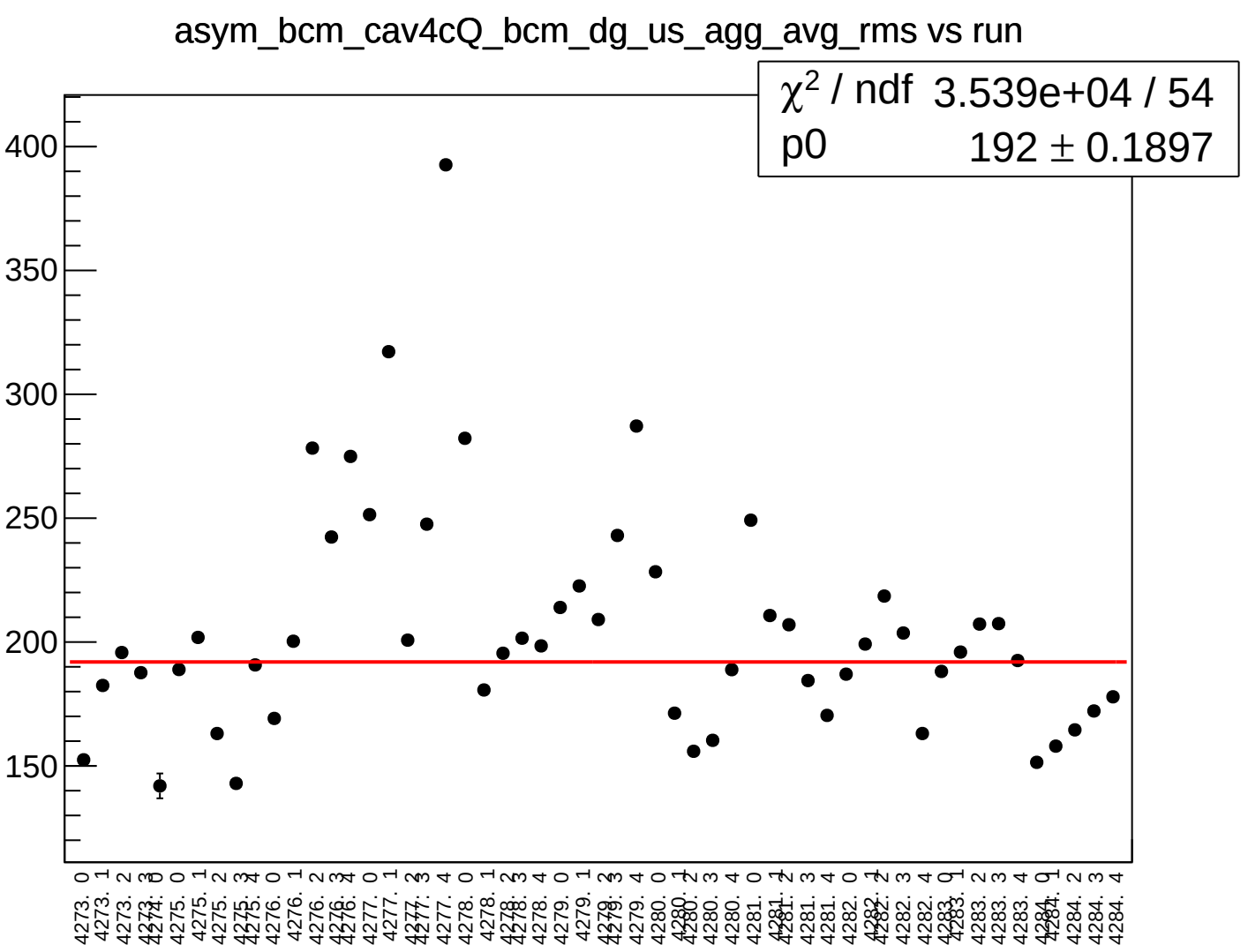

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 12.91 / 54
p0 121.4 ± 268.3
pull
Entries 55
Mean 16.69
Std Dev 28.05
pull1D
Entries 55
Mean 0.01222
Std Dev 0.4844


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 3.539e+04 / 54
p0 192 ± 0.1897
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350
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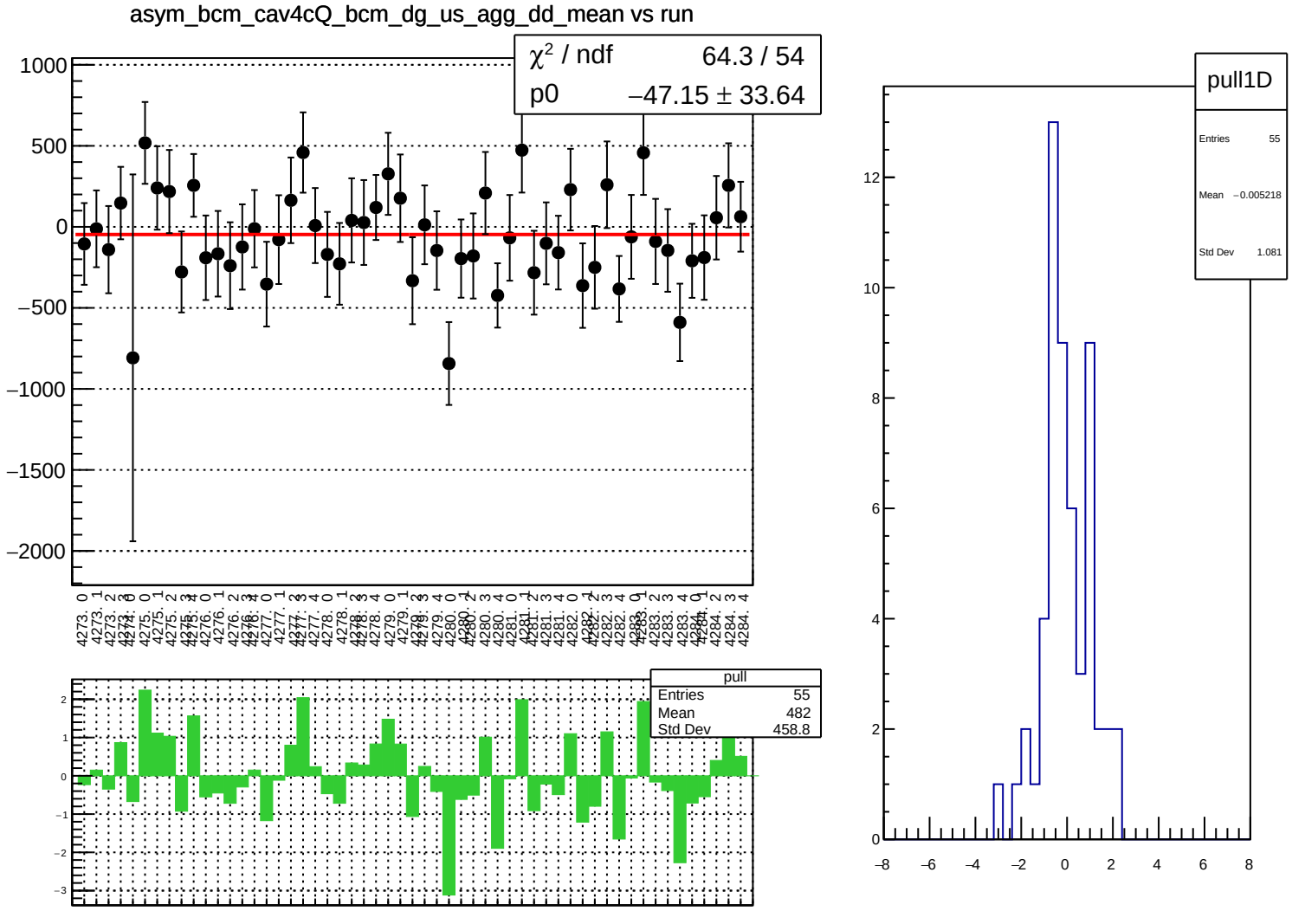
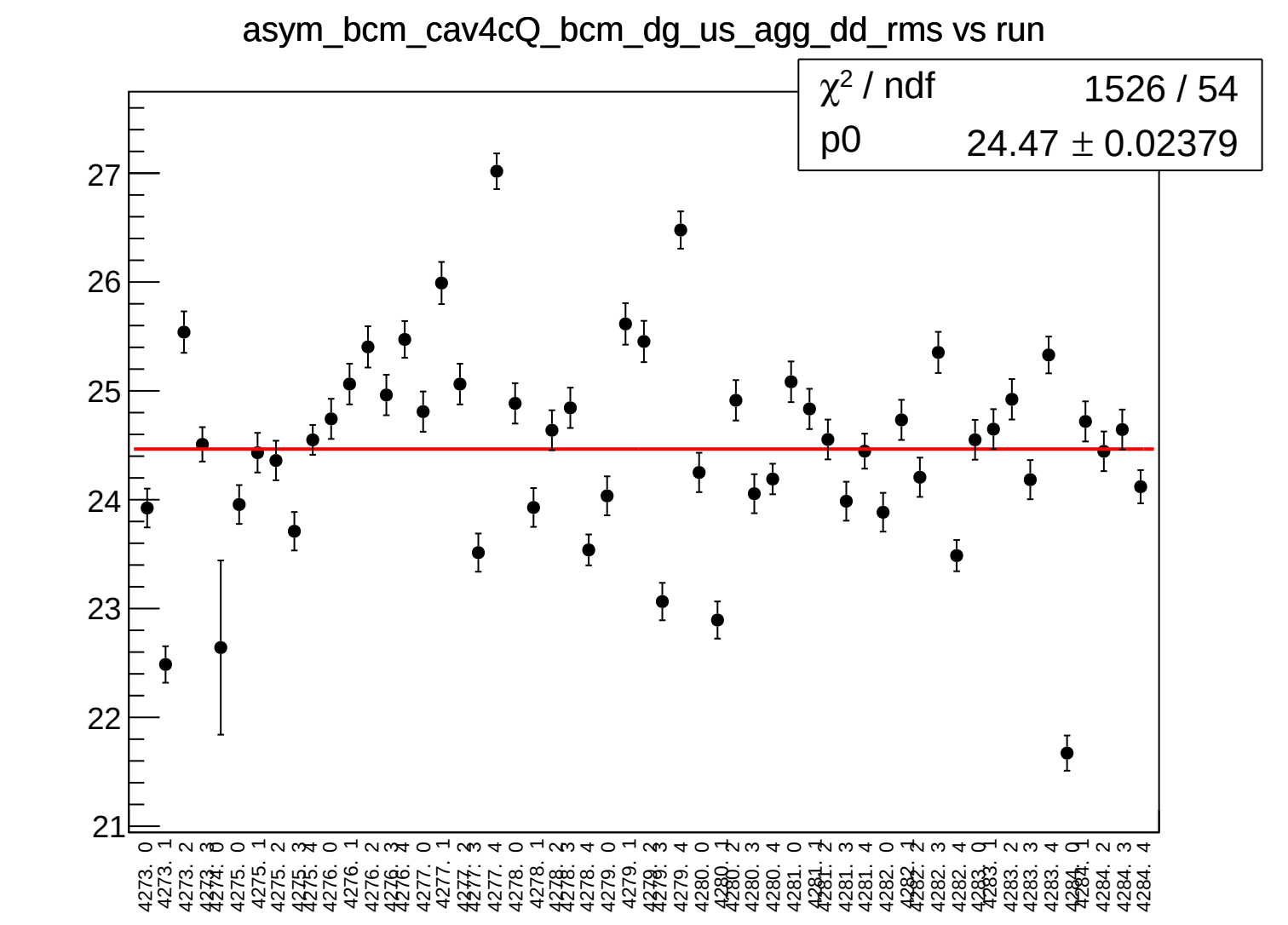

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 64.3 / 54
p0 −47.15 ± 33.64
pull
Entries 55
Mean 482
Std Dev 458.8
pull1D
Entries 55
Mean −0.005218
Std Dev 1.081


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1526 / 54
p0 24.47 ± 0.02379
27
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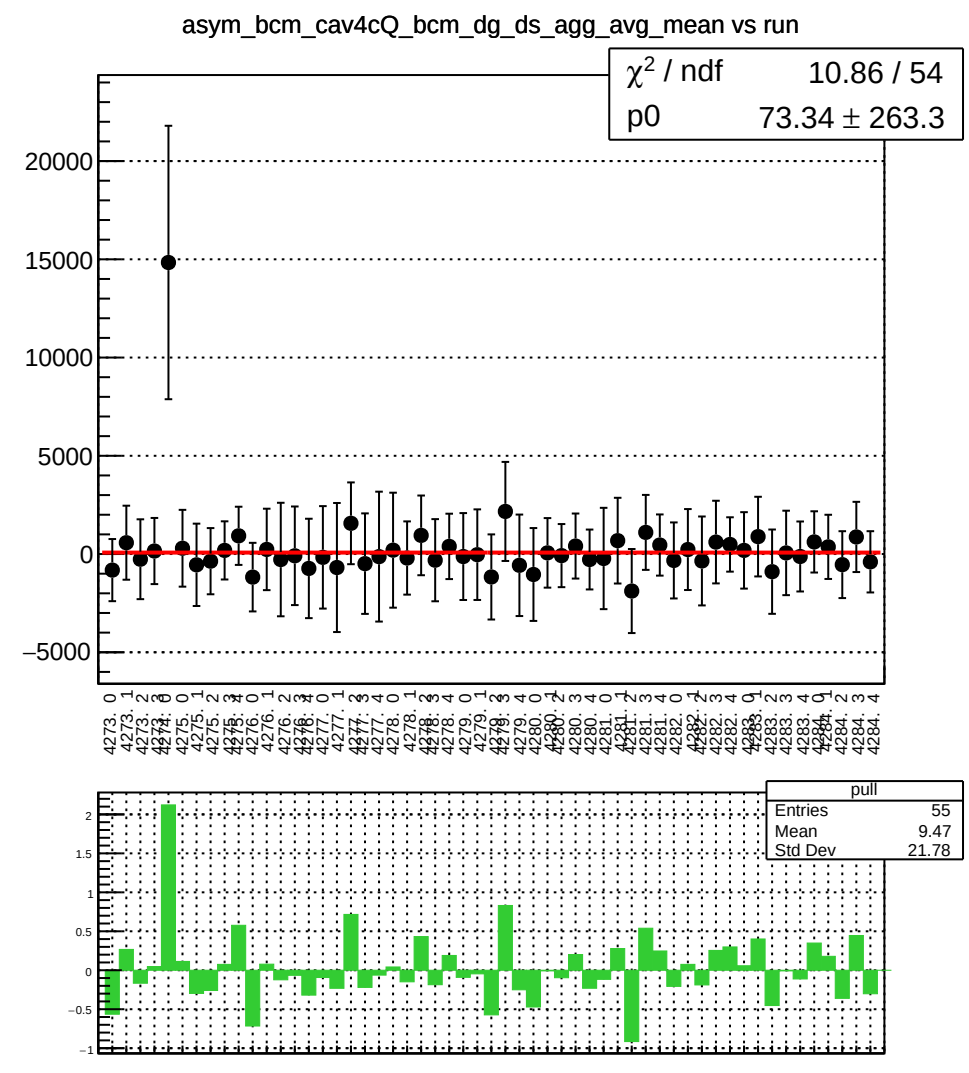
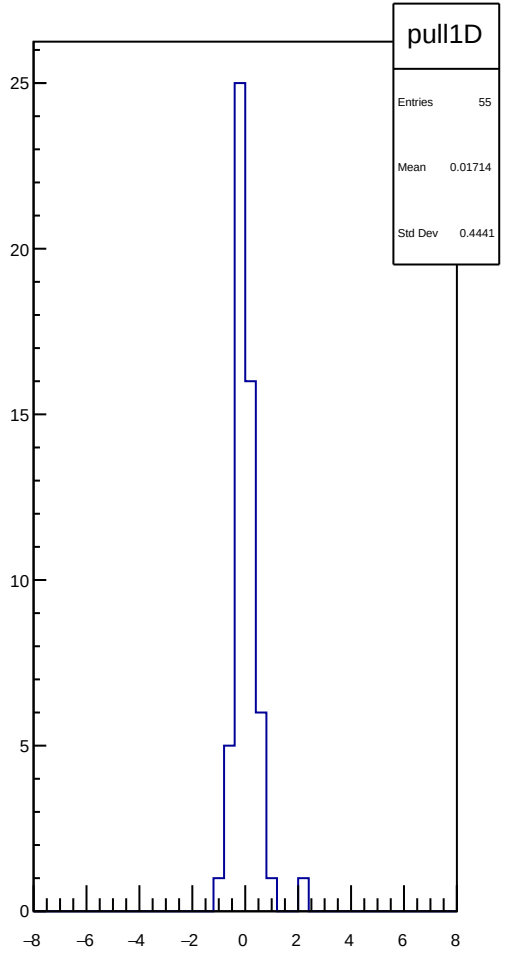
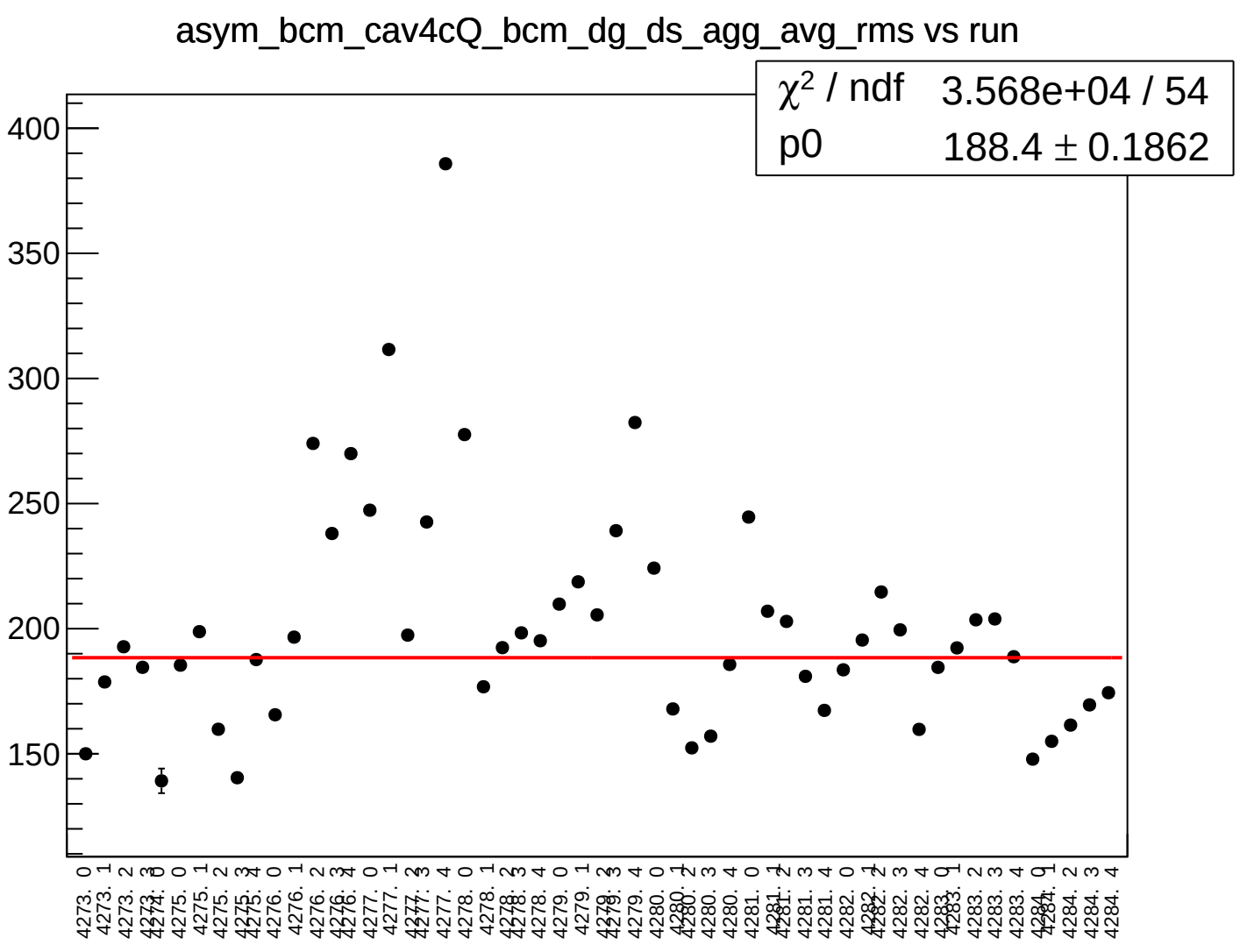

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 10.86 / 54
p0 73.34 ± 263.3
pull
Entries 55
Mean 9.47
Std Dev 21.78


pull1D
Entries 55
Mean 0.01714
Std Dev 0.4441


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.568e+04 / 54
p0 188.4 ± 0.1862
400
350
300
250
200
150
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4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
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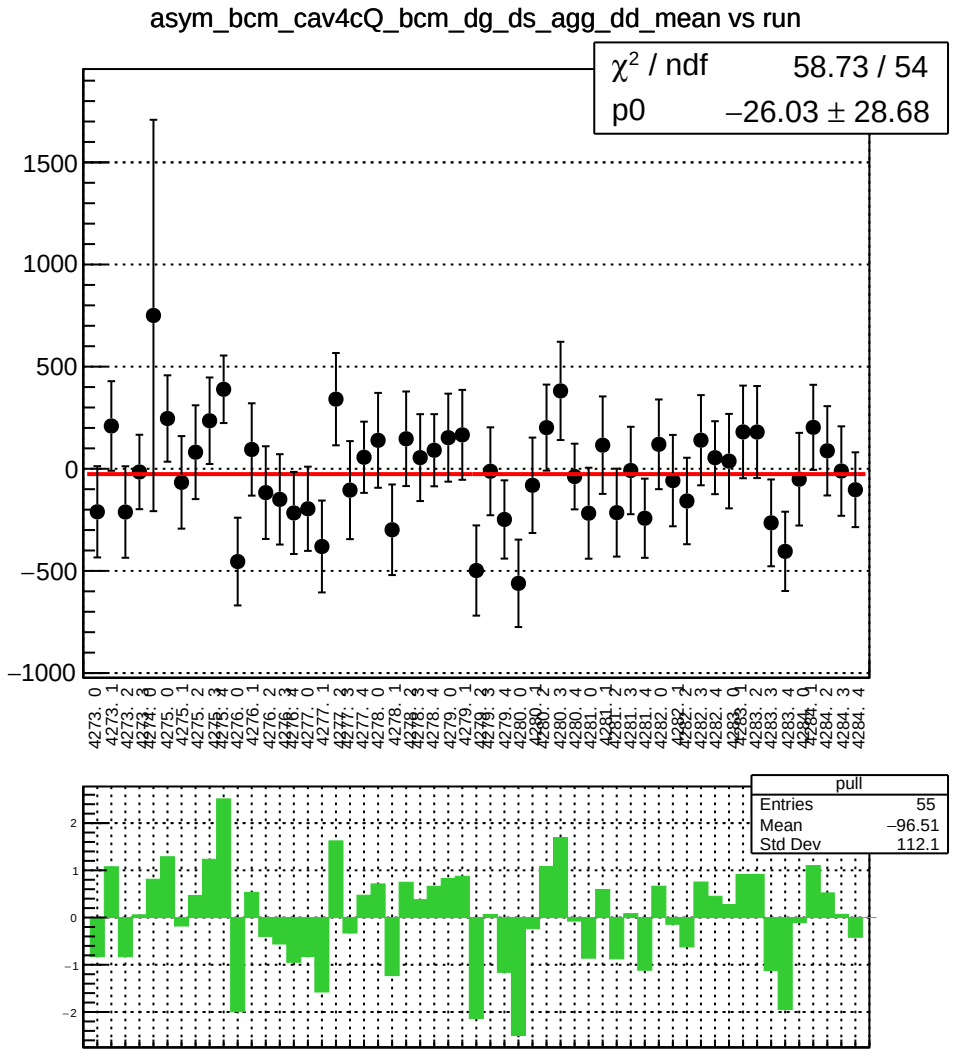
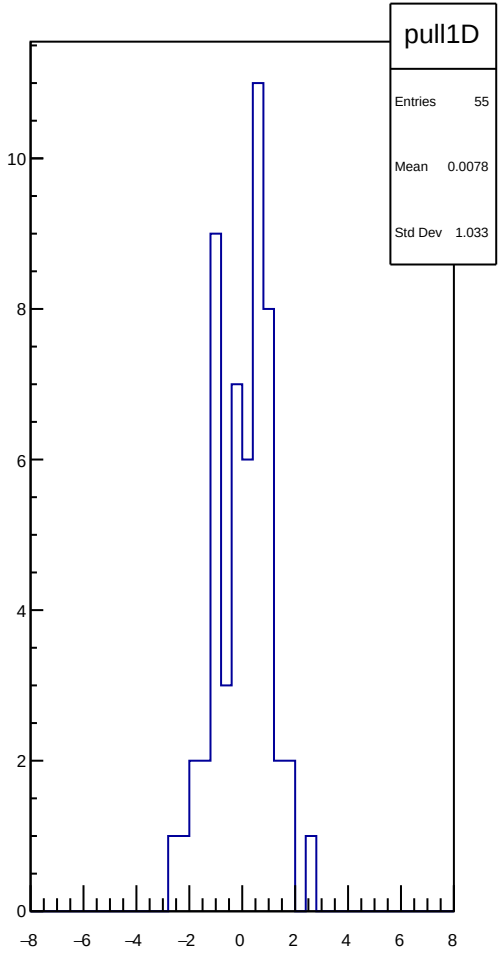
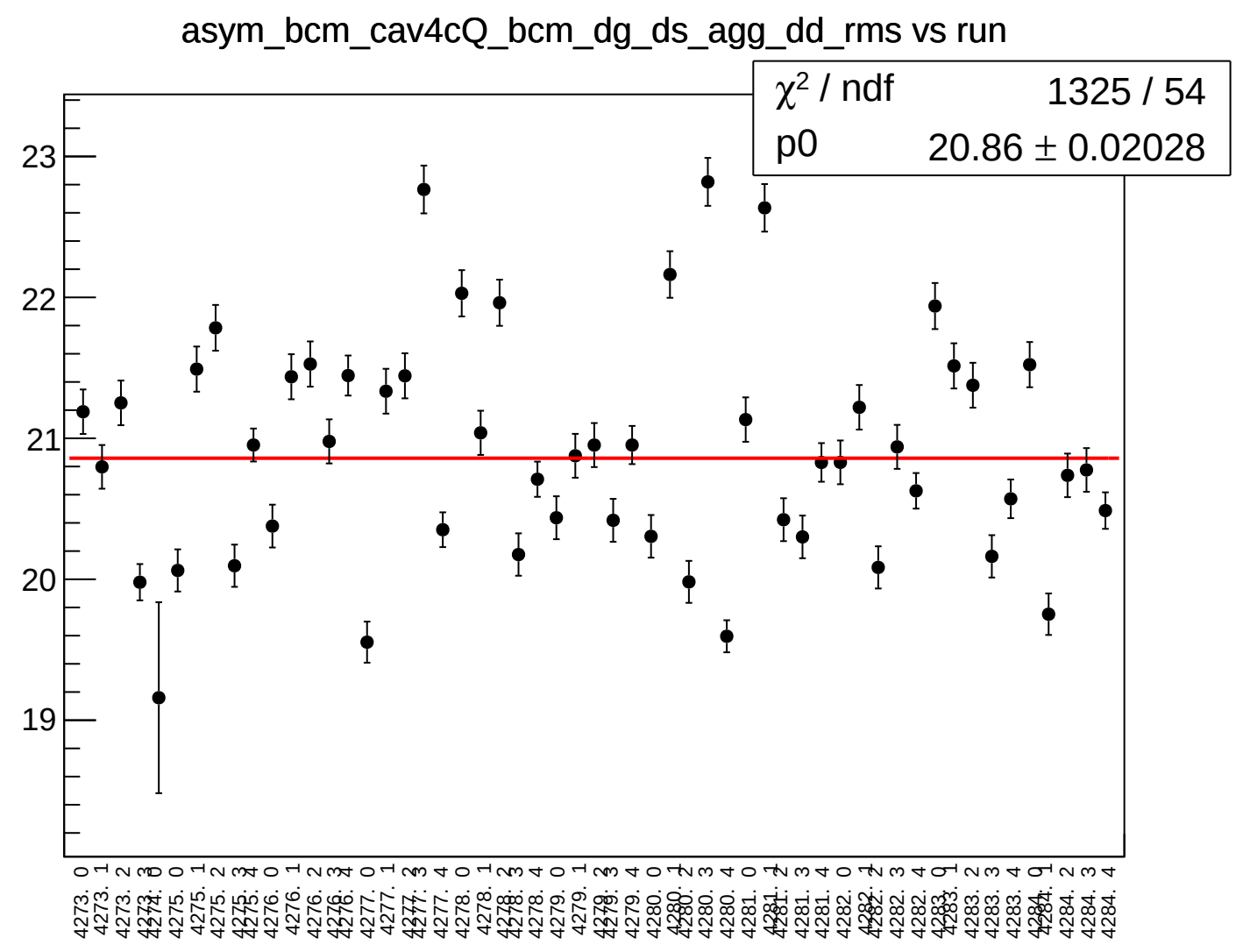

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 58.73 / 54
p0 −26.03 ± 28.68
pull
Entries 55
Mean −96.51
Std Dev 112.1


pull1D
Entries 55
Mean 0.0078
Std Dev 1.033


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1325 / 54
p0 20.86 ± 0.02028
23
22
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20
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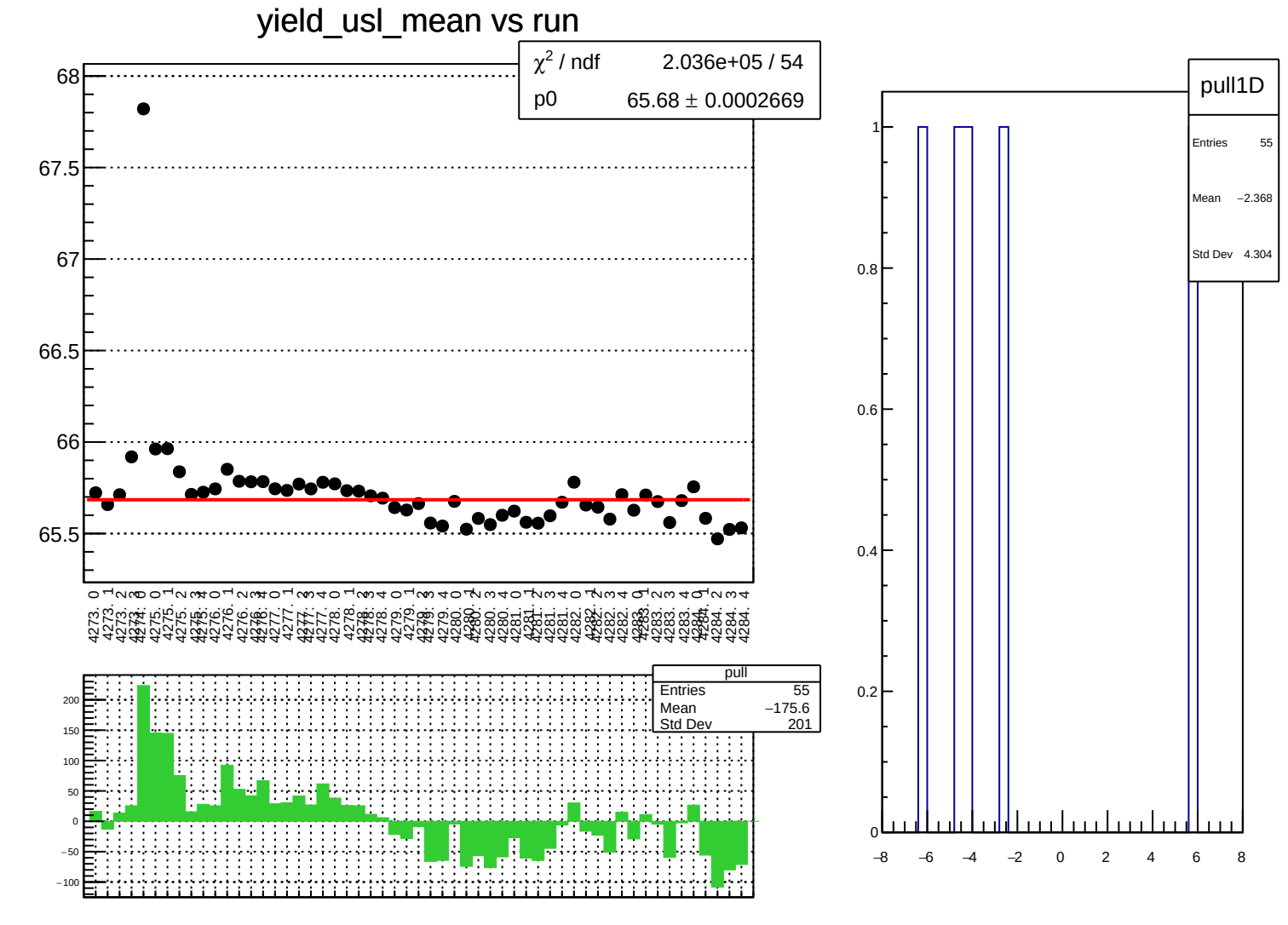
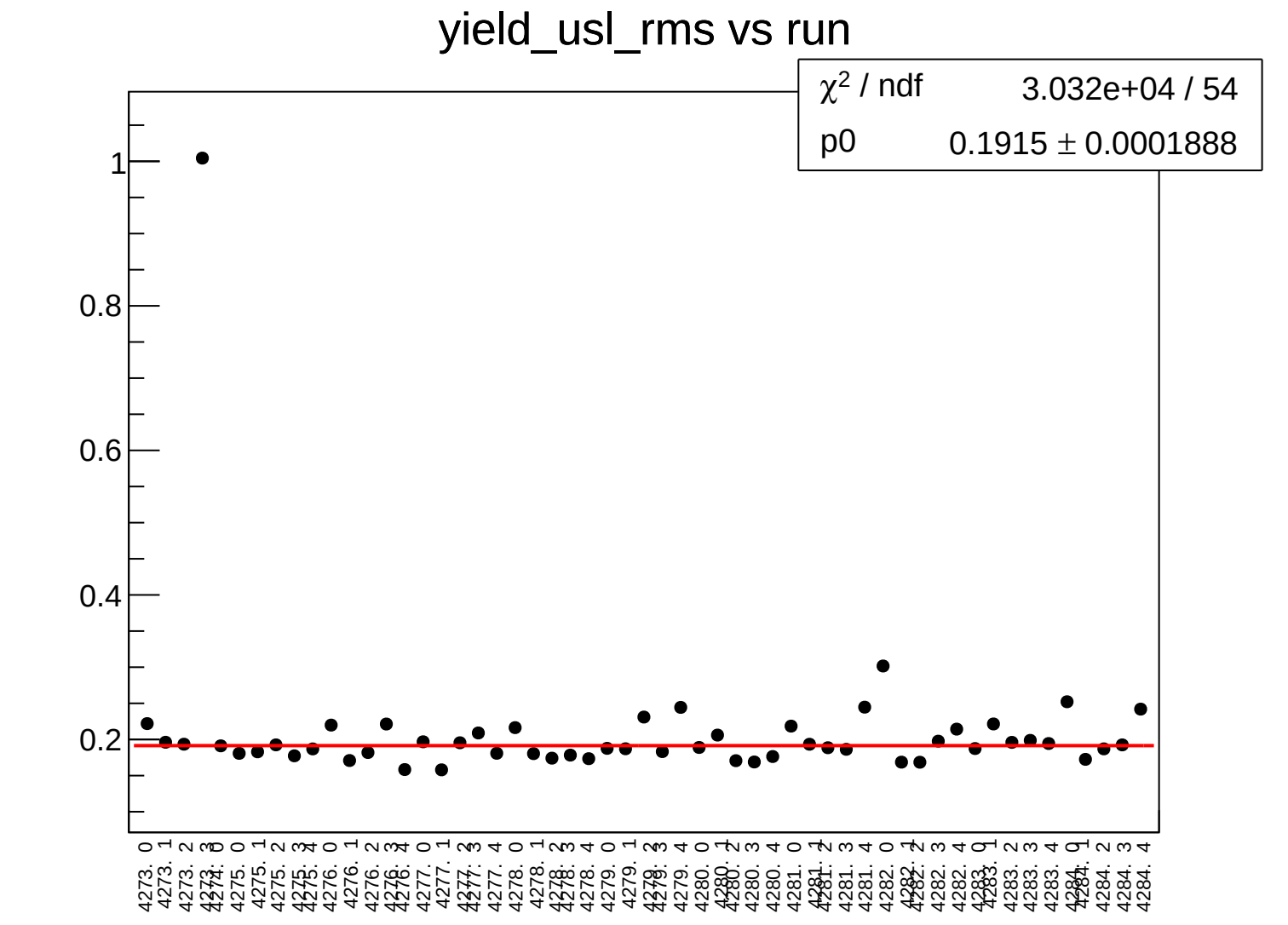

yield_usl_mean vs run
χ² / ndf 2.036e+05 / 54
p0 65.68 ± 0.0002669
68
67.5
67
66.5
66
65.5
pull
Entries 55
Mean −175.6
Std Dev 201
200
150
100
50
0
−50
−100
pull1D
Entries 55
Mean −2.368
Std Dev 4.304
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_usl_rms vs run
χ2 / ndf 3.032e+04 / 54
p0 0.1915 ± 0.0001888
1
0.8
0.6
0.4
0.2
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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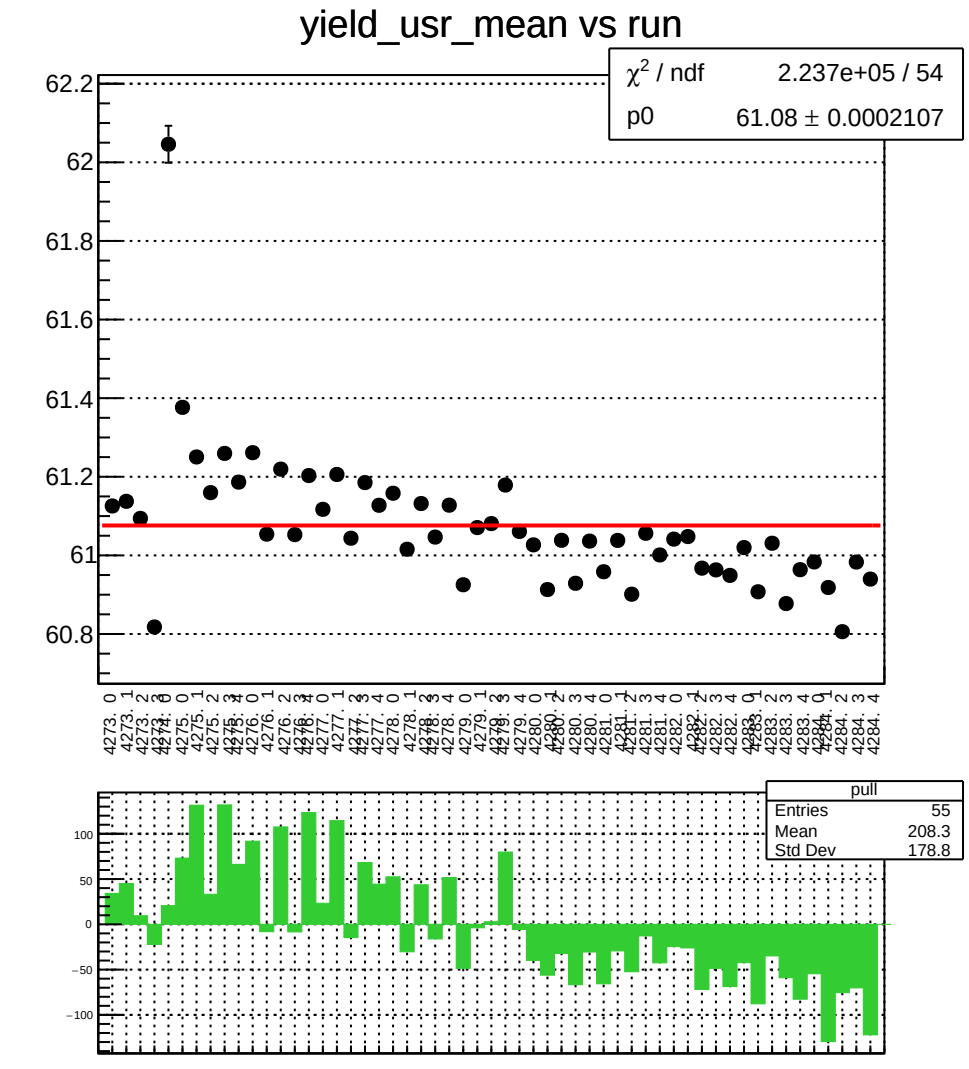
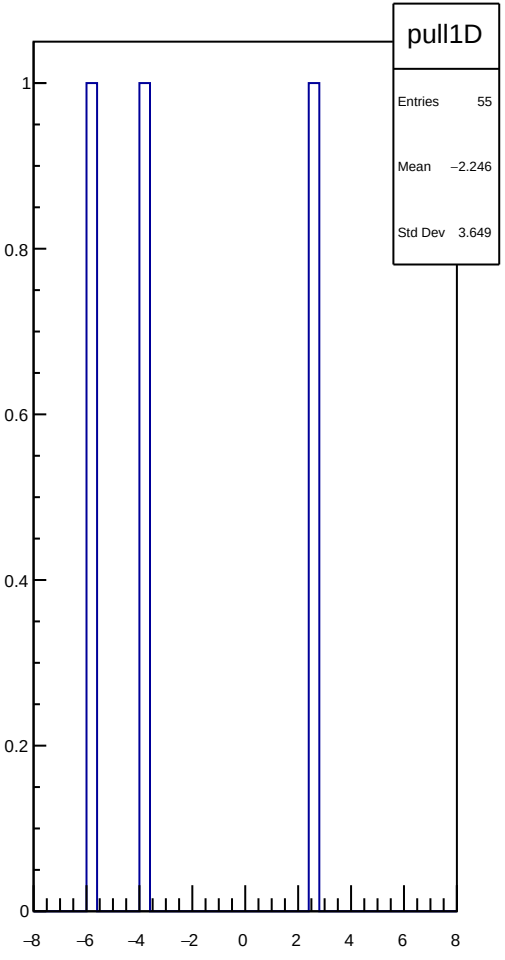
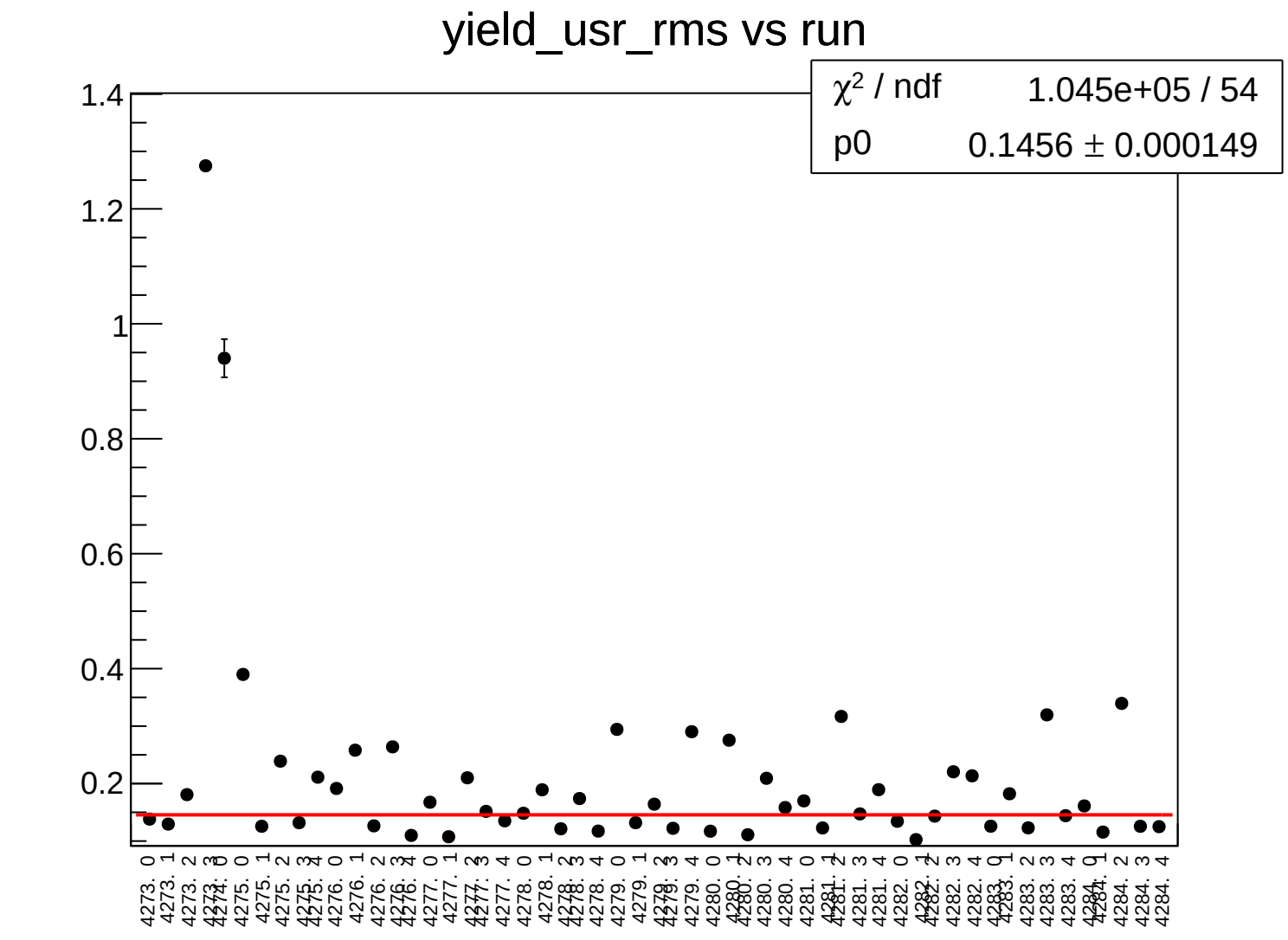
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_usr_mean vs run
χ² / ndf 2.237e+05 / 54
p0 61.08 ± 0.0002107
pull
Entries 55
Mean 208.3
Std Dev 178.8


pull1D
Entries 55
Mean −2.246
Std Dev 3.649


yield_usr_rms vs run
χ² / ndf 1.045e+05 / 54
p0 0.1456 ± 0.000149
1.4
1.2
1
0.8
0.6
0.4
0.2
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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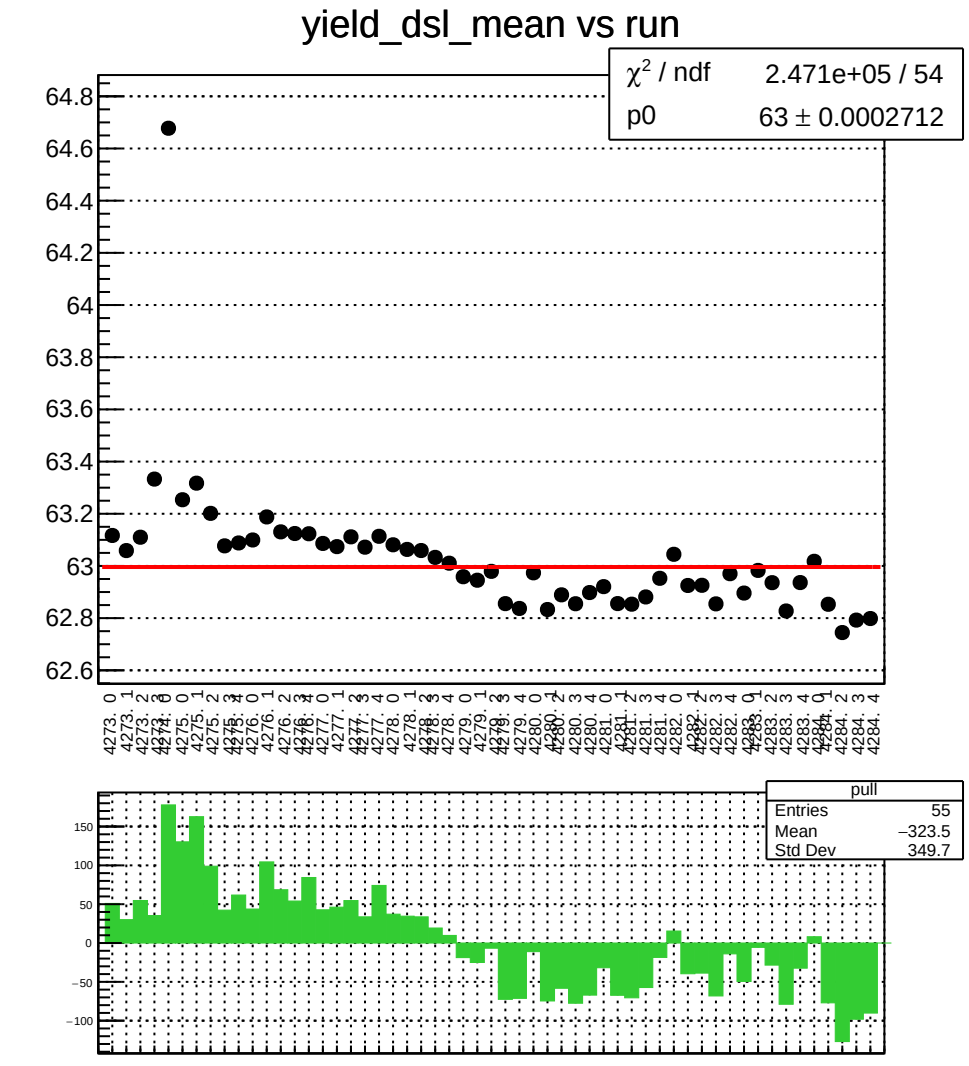
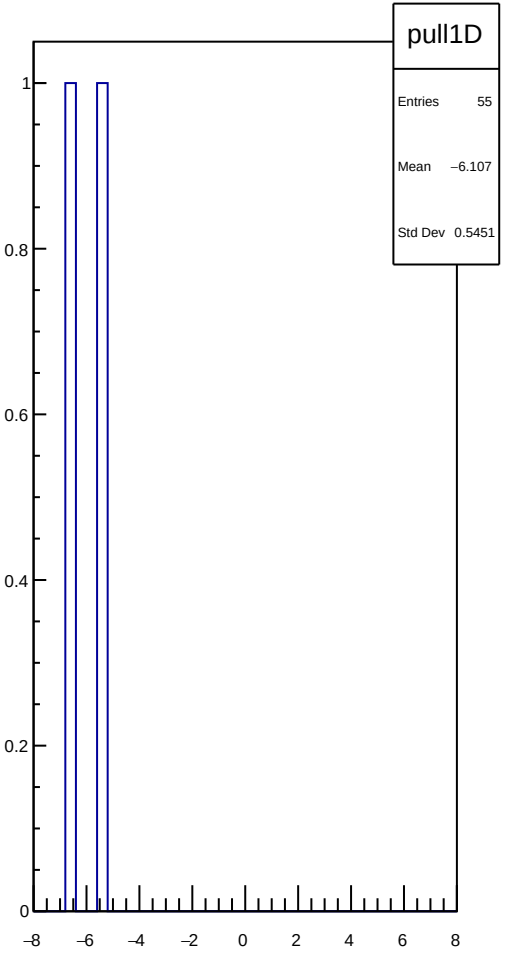
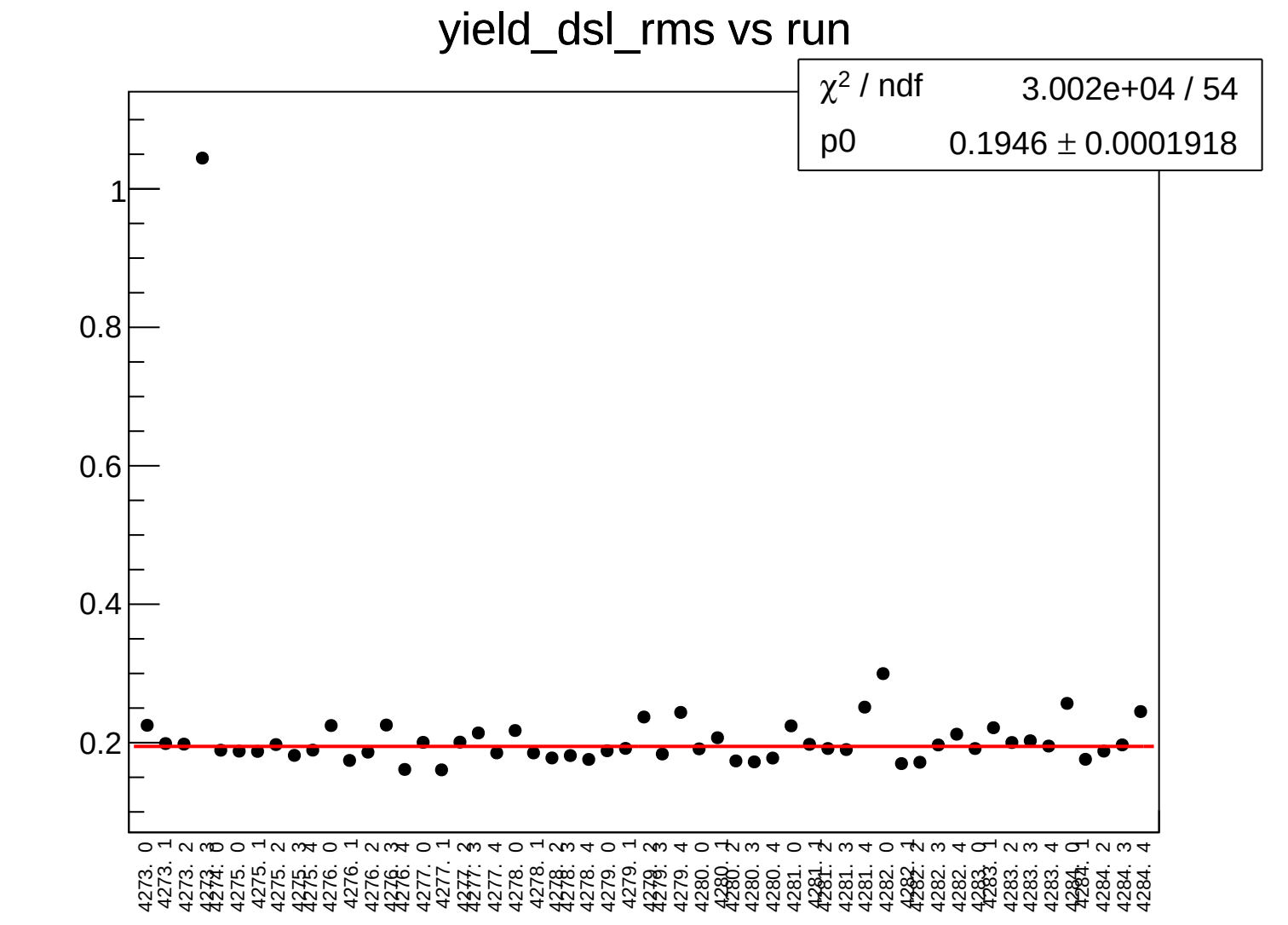
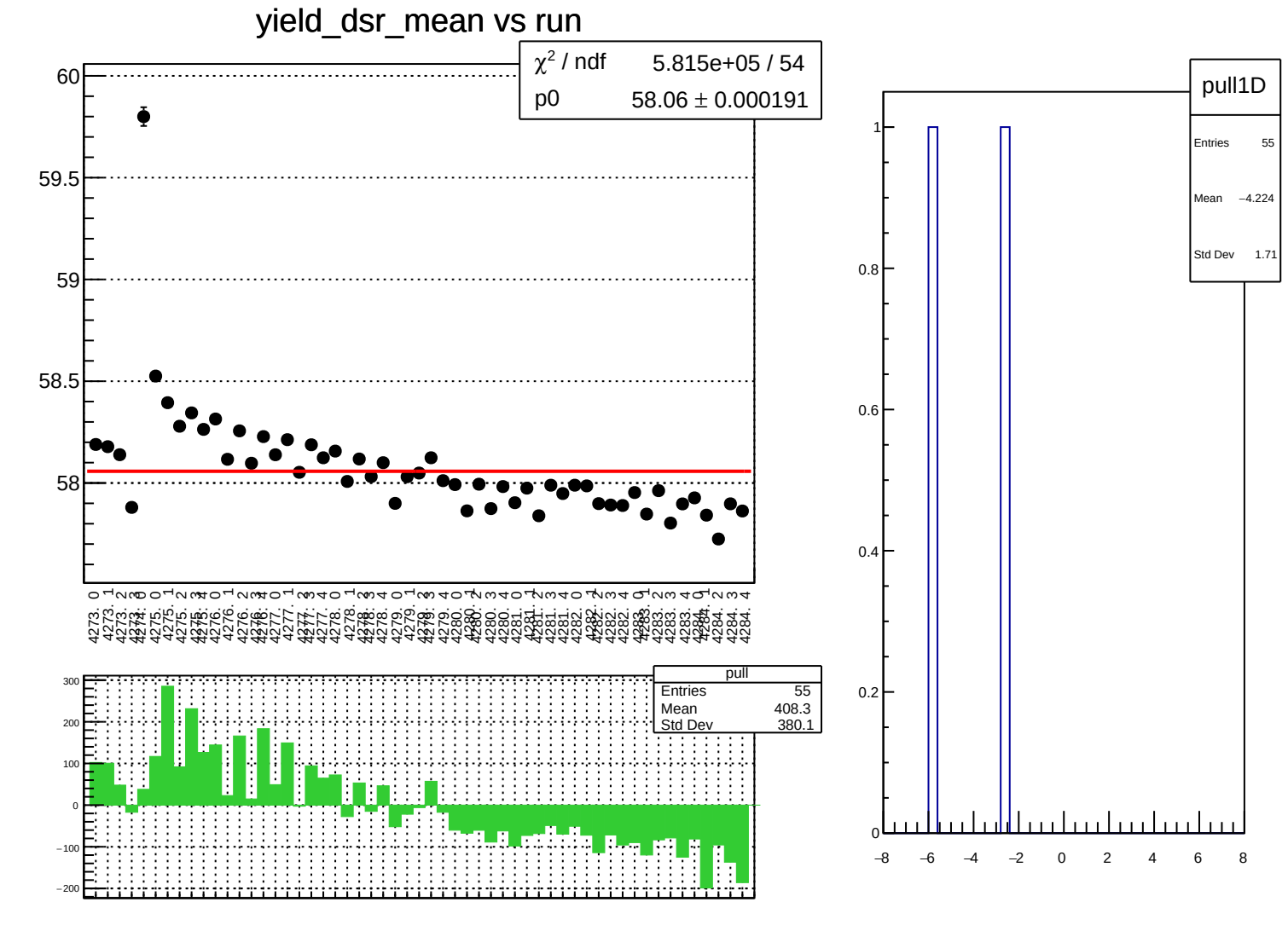
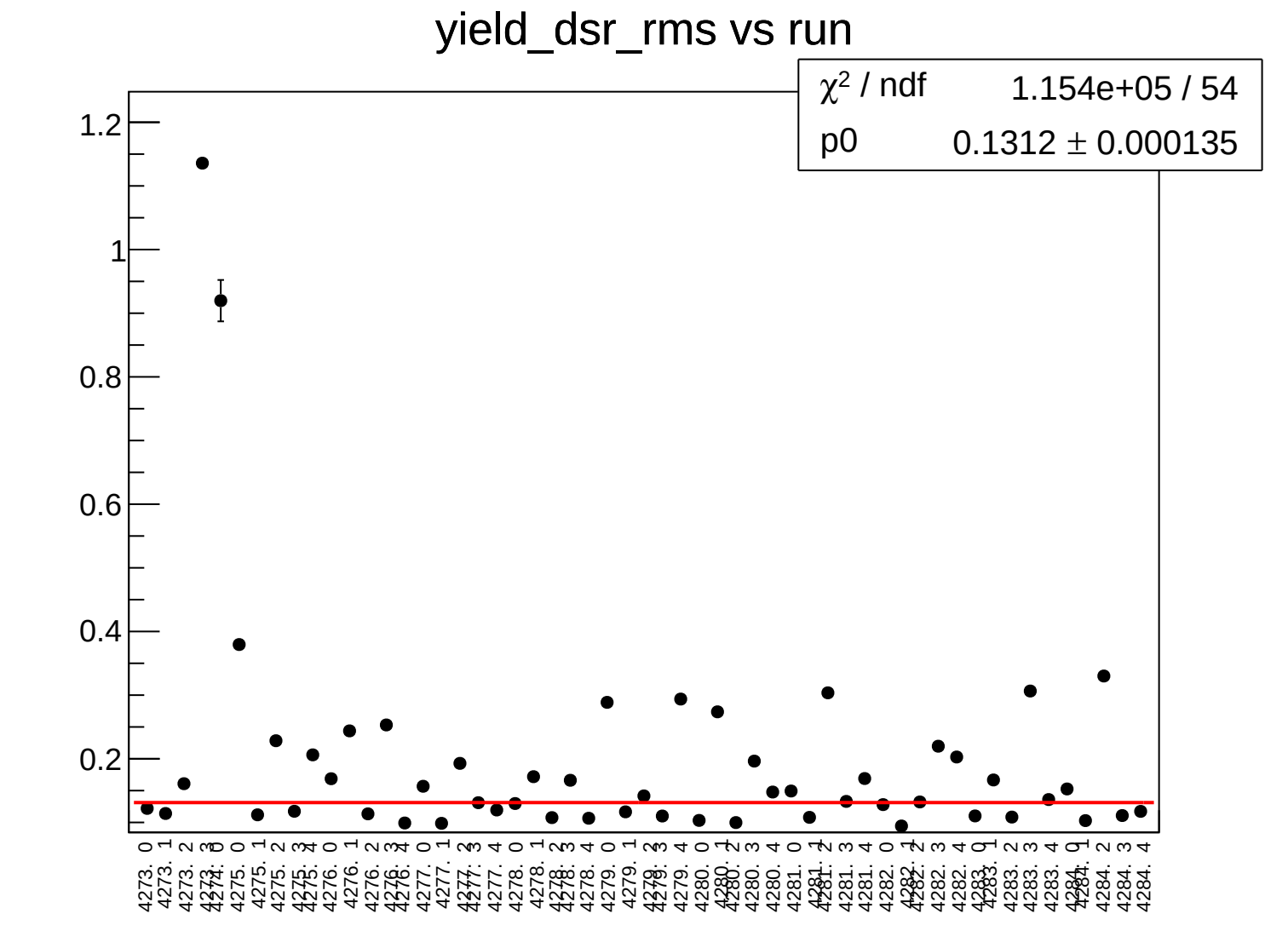
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_dsl_mean vs run
χ² / ndf 2.471e+05 / 54
p0 63 ± 0.0002712
pull
Entries 55
Mean −323.5
Std Dev 349.7


pull1D
Entries 55
Mean −6.107
Std Dev 0.5451


yield_dsl_rms vs run
χ² / ndf 3.002e+04 / 54
p0 0.1946 ± 0.0001918
1
0.8
0.6
0.4
0.2
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_dsr_mean vs run
χ² / ndf 5.815e+05 / 54
p0 58.06 ± 0.000191
60
59.5
59
58.5
58
pull
Entries 55
Mean 408.3
Std Dev 380.1
300
200
100
0
−100
−200
pull1D
Entries 55
Mean −4.224
Std Dev 1.71
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_dsr_rms vs run
χ² / ndf 1.154e+05 / 54
p0 0.1312 ± 0.000135
1.2
1
0.8
0.6
0.4
0.2
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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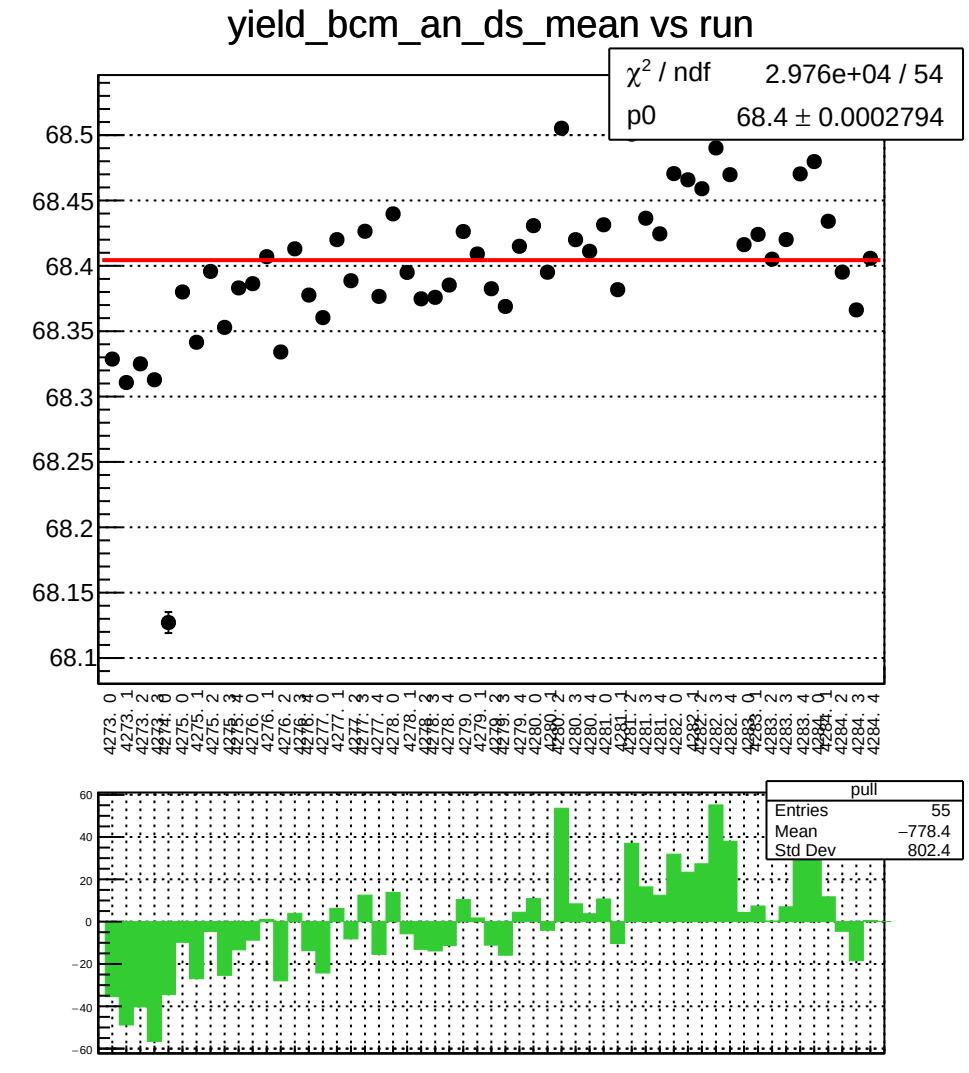
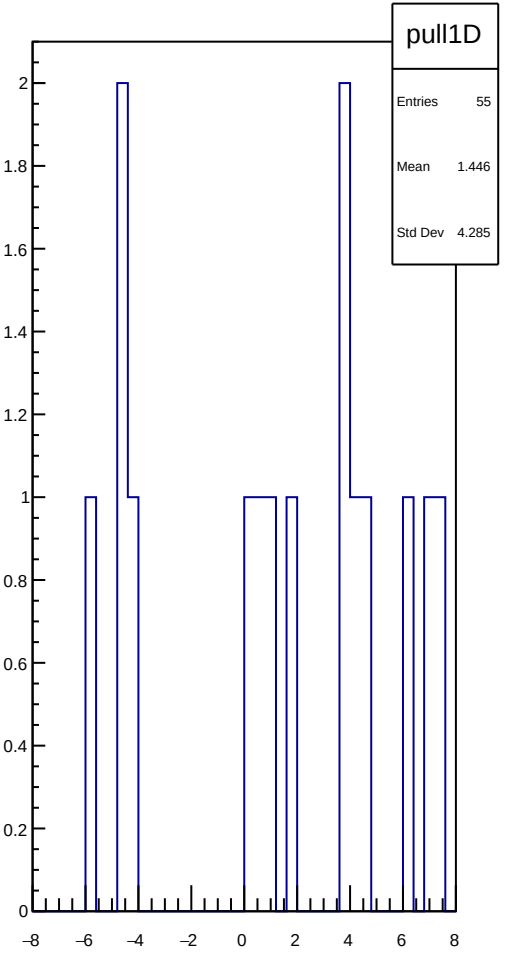
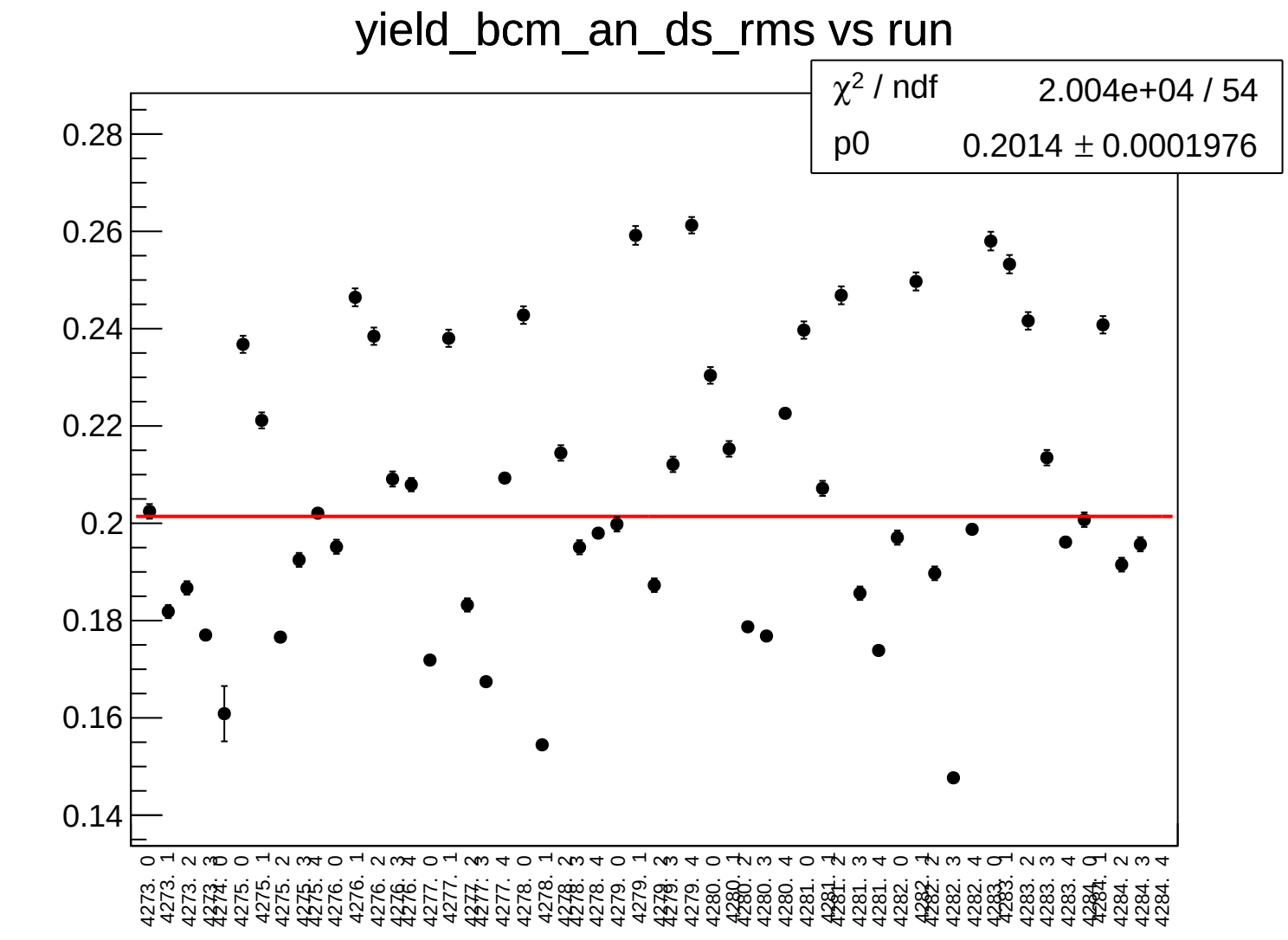
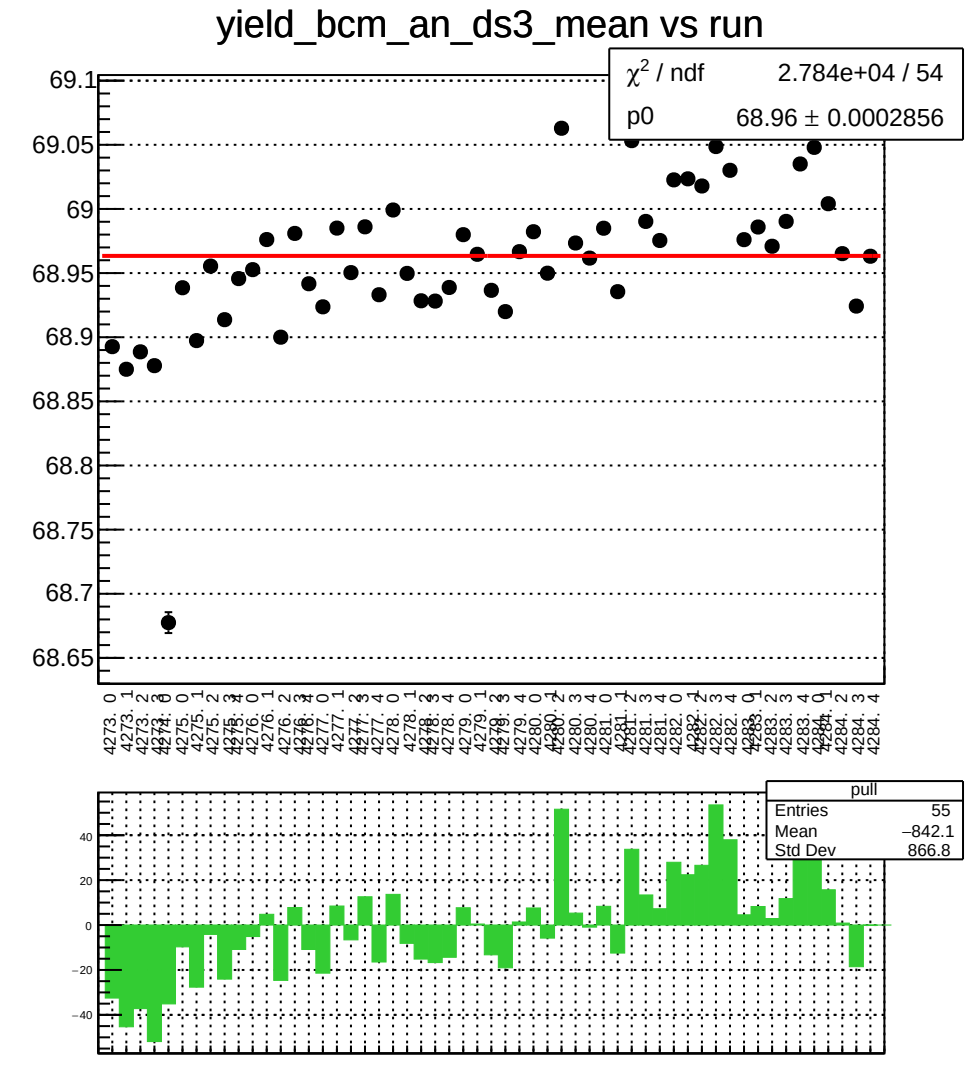
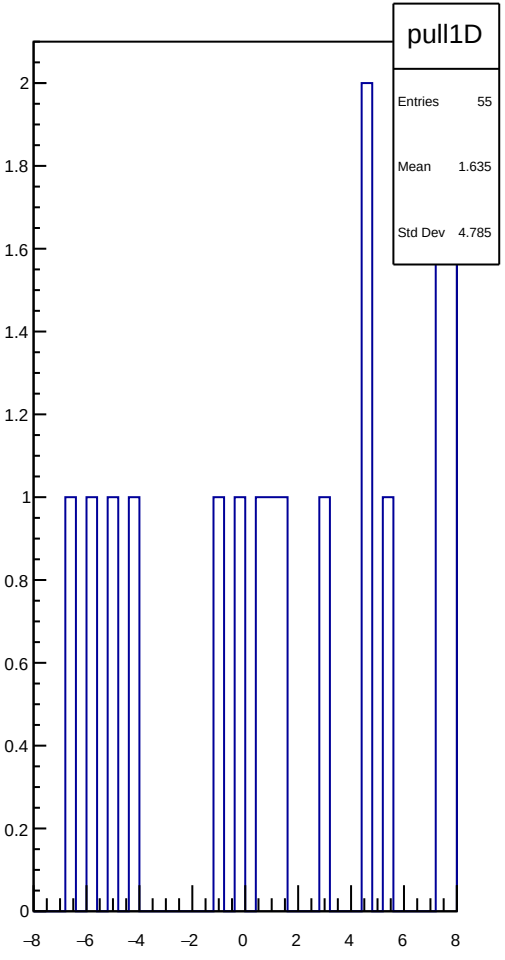
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

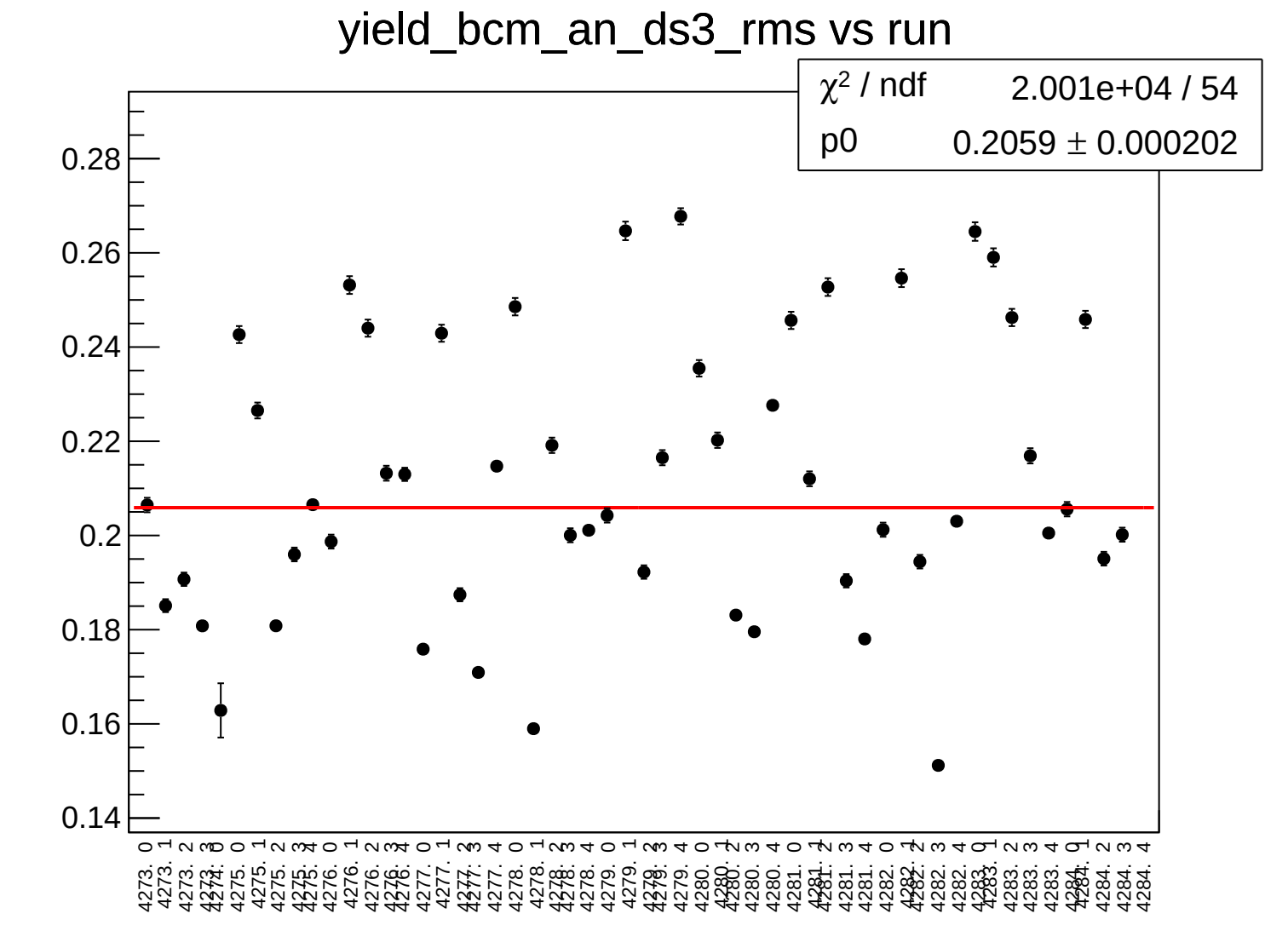

yield_bcm_an_ds_mean vs run
χ² / ndf 2.976e+04 / 54
p0 68.4 ± 0.0002794
68.5
68.45
68.4
68.35
68.3
68.25
68.2
68.15
68.1
pull
Entries 55
Mean −778.4
Std Dev 802.4
60
40
20
0
−20
−40
−60


pull1D
Entries 55
Mean 1.446
Std Dev 4.285
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_an_ds_rms vs run
χ² / ndf 2.004e+04 / 54
p0 0.2014 ± 0.0001976
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bcm_an_ds3_mean vs run
χ² / ndf 2.784e+04 / 54
p0 68.96 ± 0.0002856
pull
Entries 55
Mean −842.1
Std Dev 866.8


pull1D
Entries 55
Mean 1.635
Std Dev 4.785


yield_bcm_an_ds3_rms vs run
χ² / ndf 2.001e+04 / 54
p0 0.2059 ± 0.000202
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
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4282. 1
4282. 2
4282. 3
4282. 4
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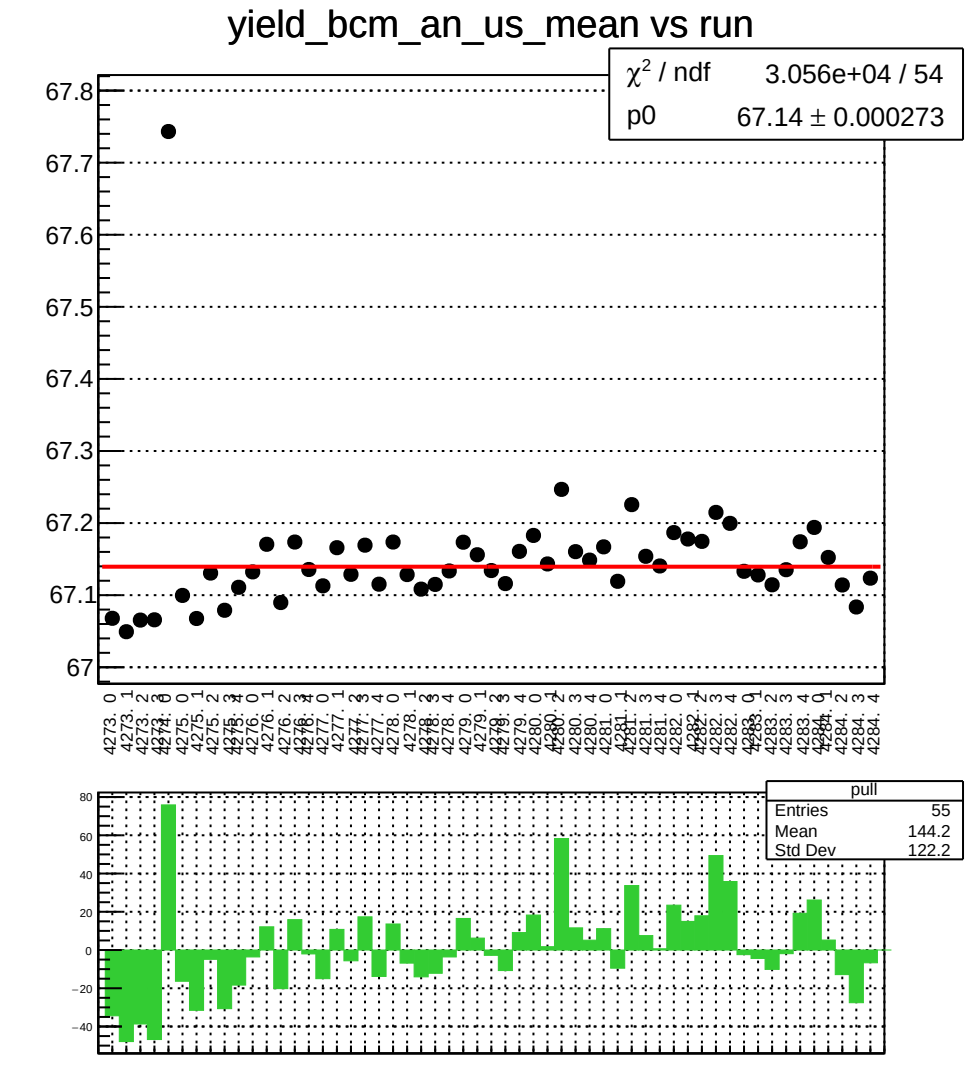
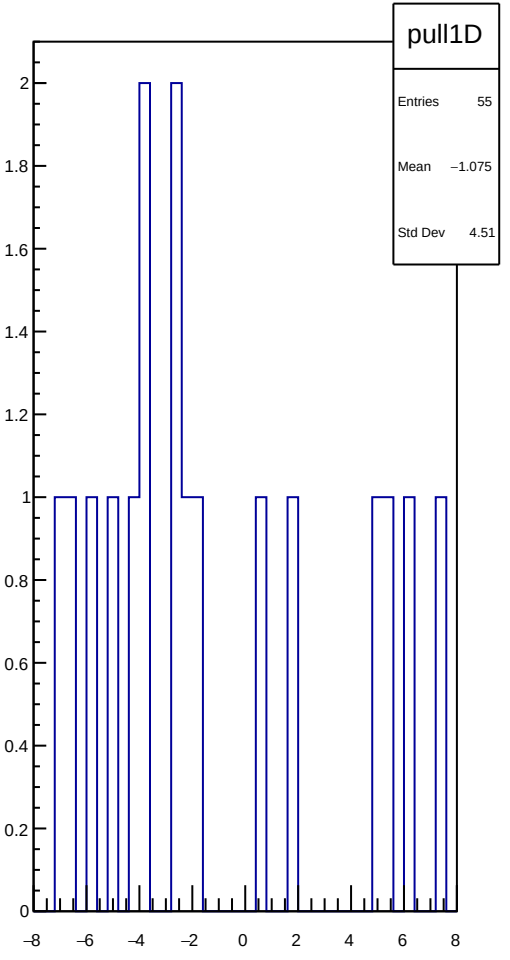
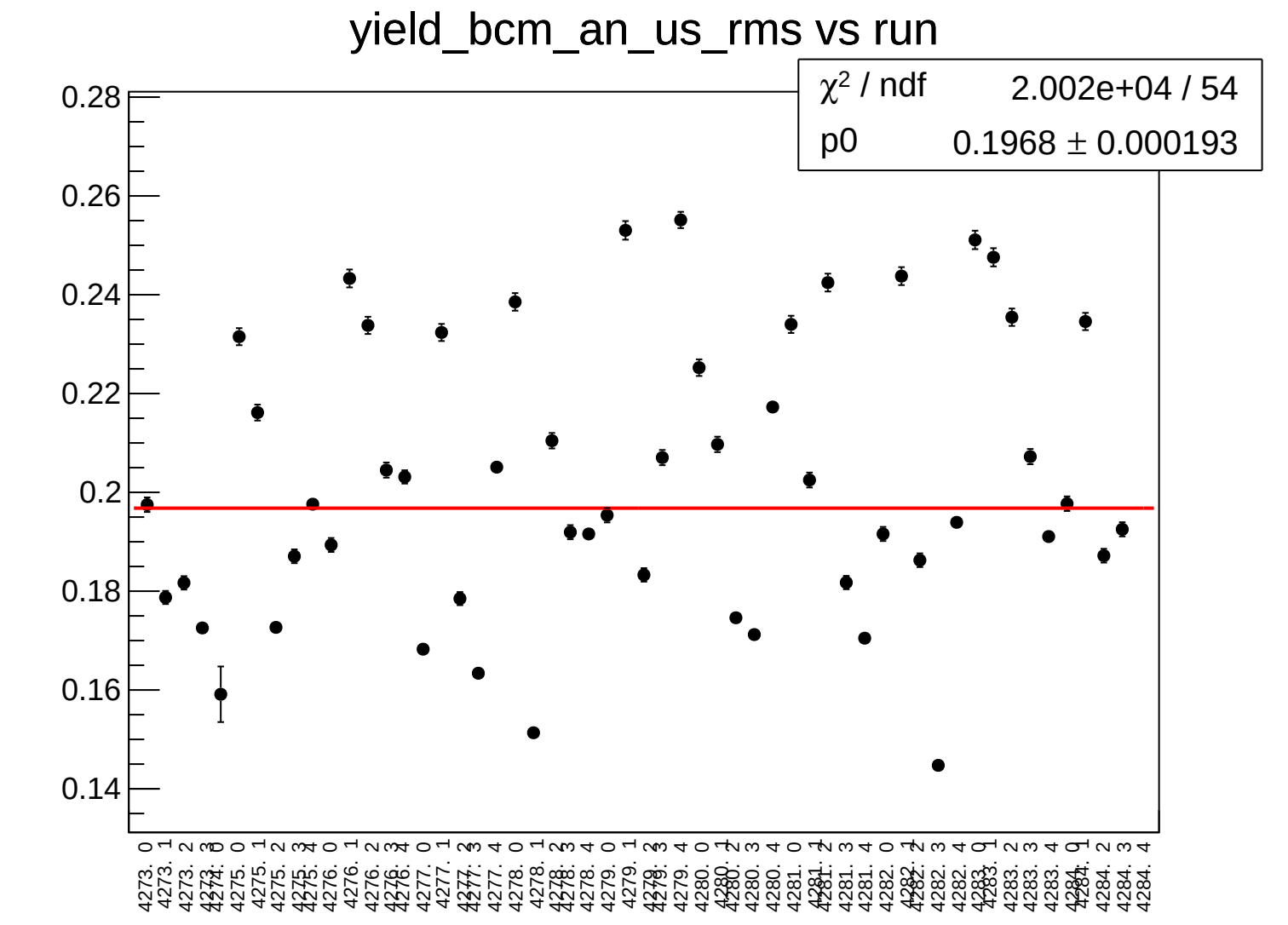
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bcm_an_us_mean vs run
χ² / ndf 3.056e+04 / 54
p0 67.14 ± 0.000273
67.8
67.7
67.6
67.5
67.4
67.3
67.2
67.1
67
pull
Entries 55
Mean 144.2
Std Dev 122.2
80
60
40
20
0
−20
−40


pull1D
Entries 55
Mean −1.075
Std Dev 4.51
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_an_us_rms vs run
χ² / ndf 2.002e+04 / 54
p0 0.1968 ± 0.000193
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 1
4280. 2
4280. 3
4280. 4
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4281. 1
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4281. 3
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4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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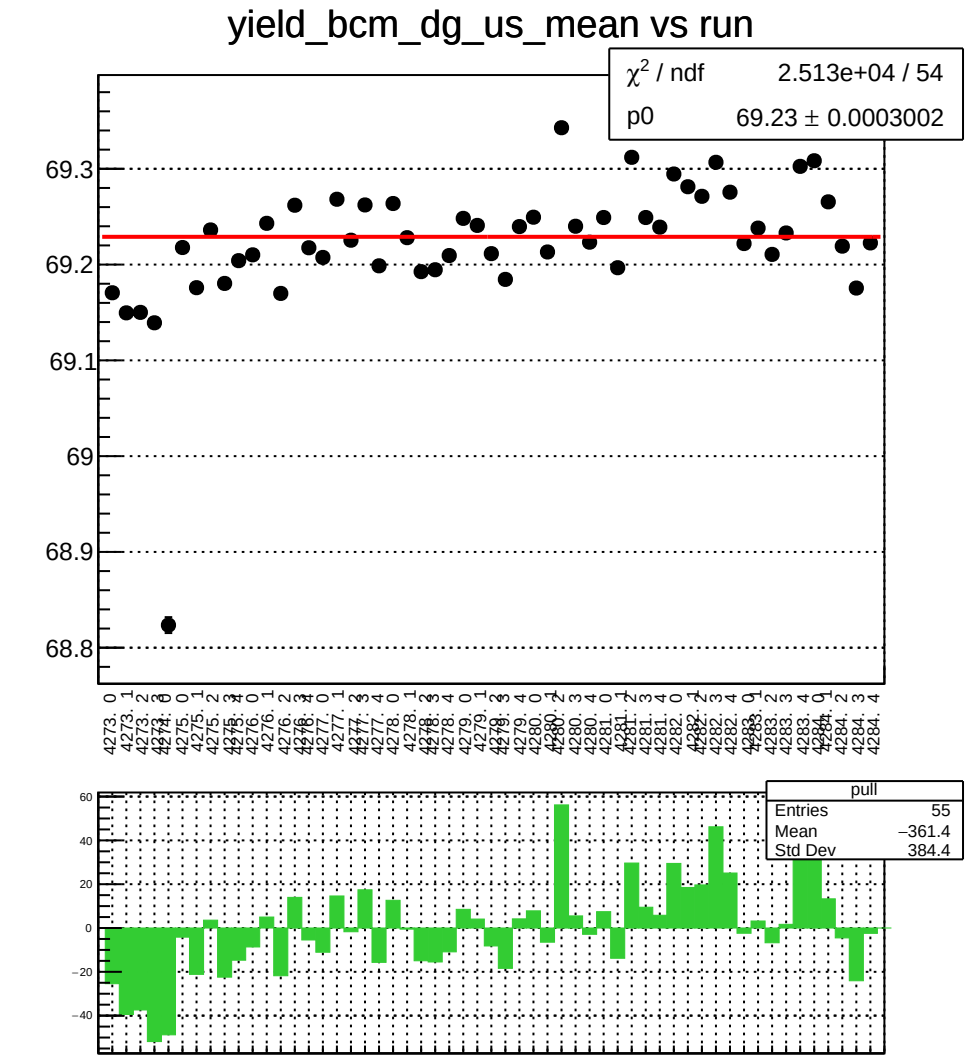
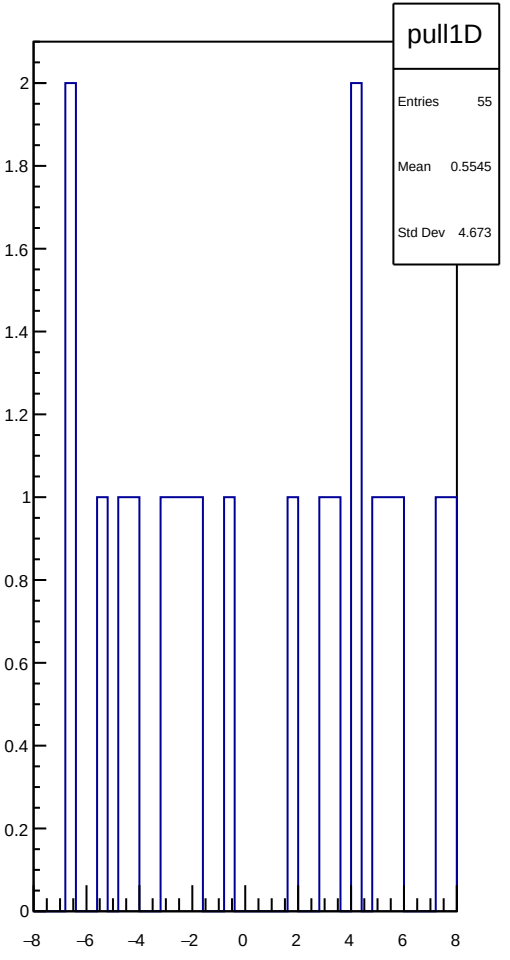
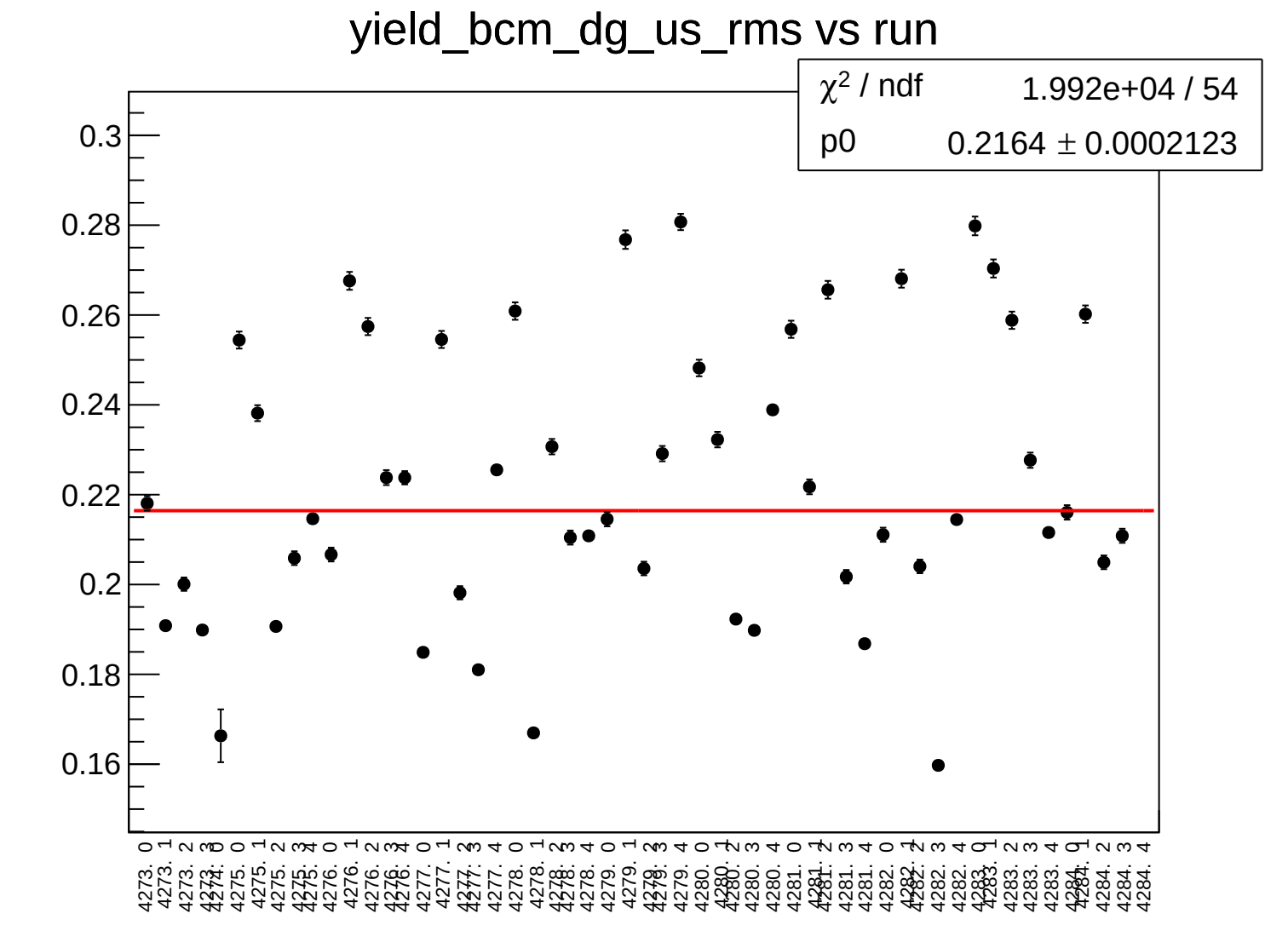
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bcm_dg_us_mean vs run
χ² / ndf 2.513e+04 / 54
p0 69.23 ± 0.0003002
69.3
69.2
69.1
69
68.9
68.8
pull
Entries 55
Mean −361.4
Std Dev 384.4
60
40
20
0
−20
−40


pull1D
Entries 55
Mean 0.5545
Std Dev 4.673
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_dg_us_rms vs run
χ² / ndf 1.992e+04 / 54
p0 0.2164 ± 0.0002123
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
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4282. 1
4282. 2
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4282. 4
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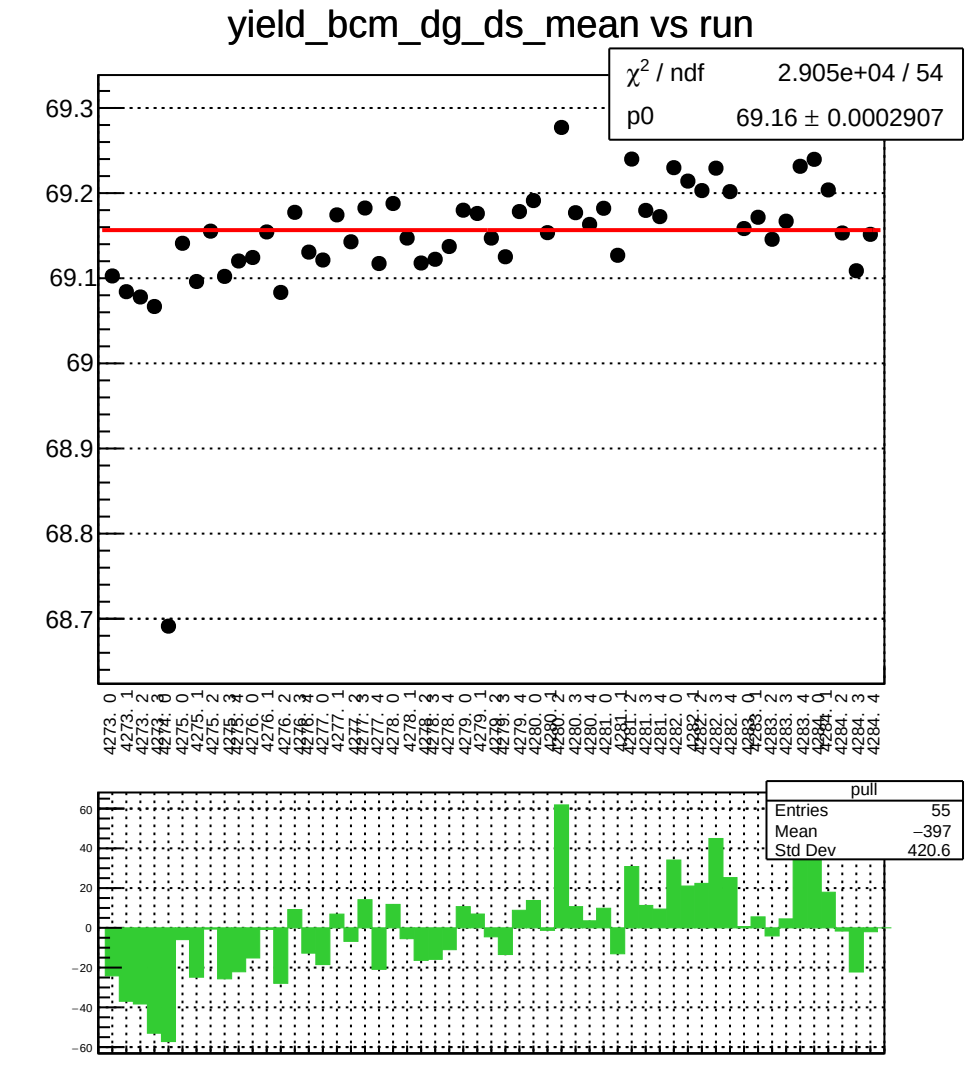
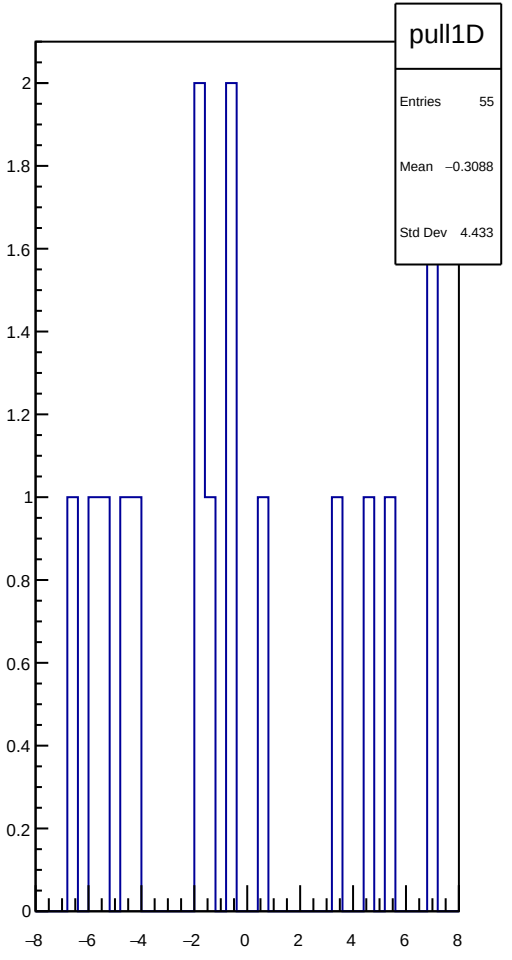
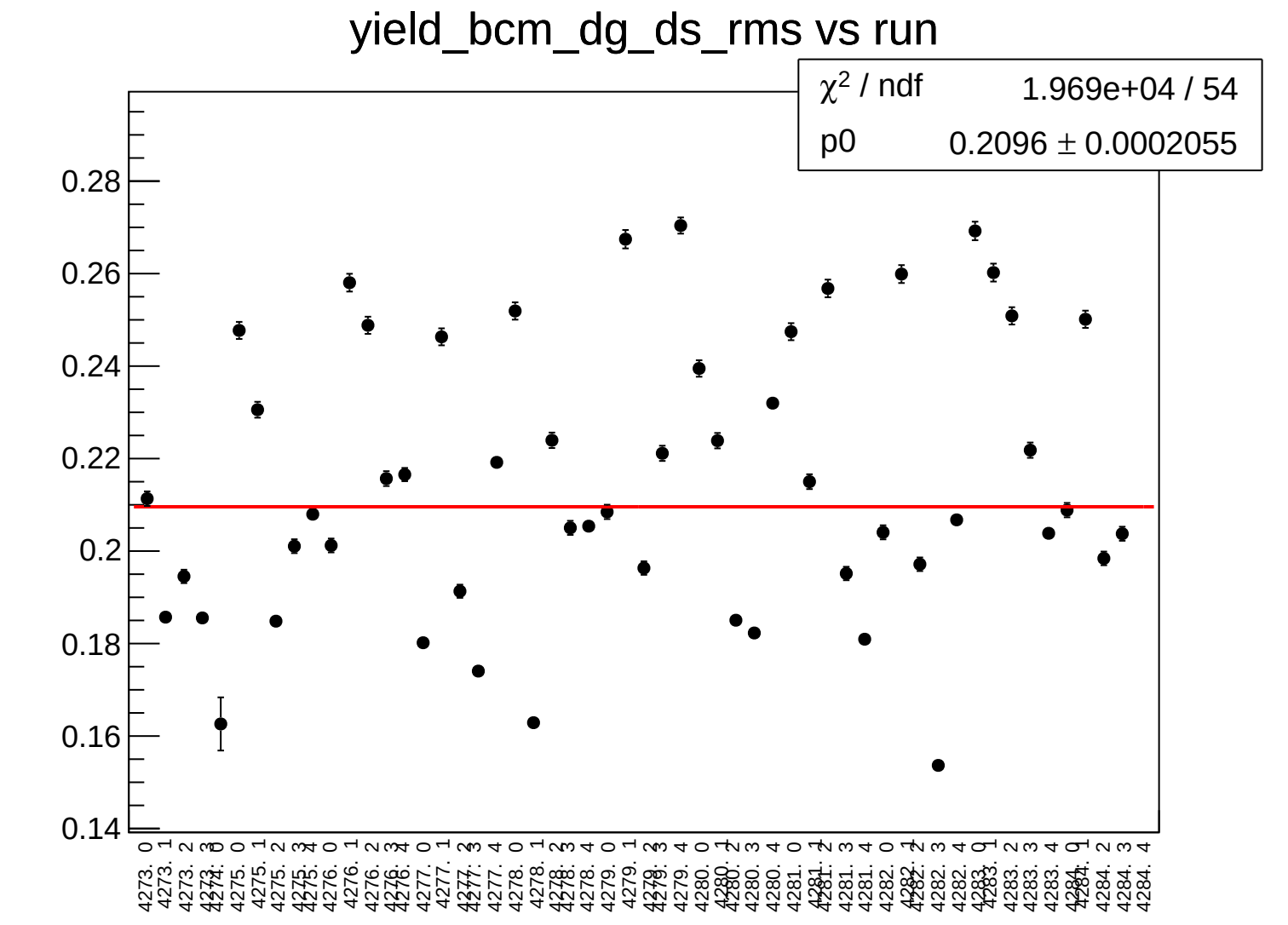
4284. 1
4284. 2
4284. 3
4284. 4


yield_bcm_dg_ds_mean vs run
χ² / ndf 2.905e+04 / 54
p0 69.16 ± 0.0002907
69.3
69.2
69.1
69
68.9
68.8
68.7
pull
Entries 55
Mean −397
Std Dev 420.6
60
40
20
0
−20
−40
−60


pull1D
Entries 55
Mean −0.3088
Std Dev 4.433
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_dg_ds_rms vs run
χ² / ndf 1.969e+04 / 54
p0 0.2096 ± 0.0002055
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
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4277. 1
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4278. 0
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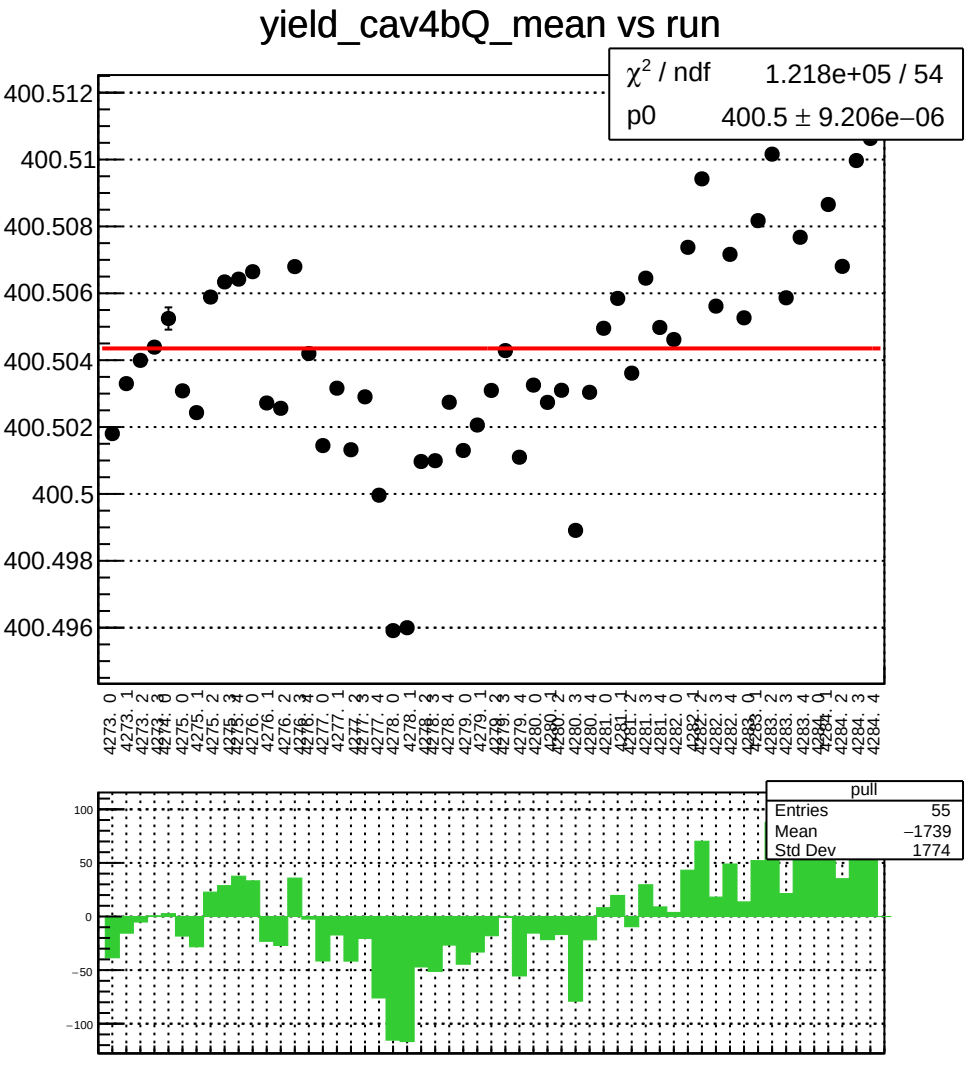
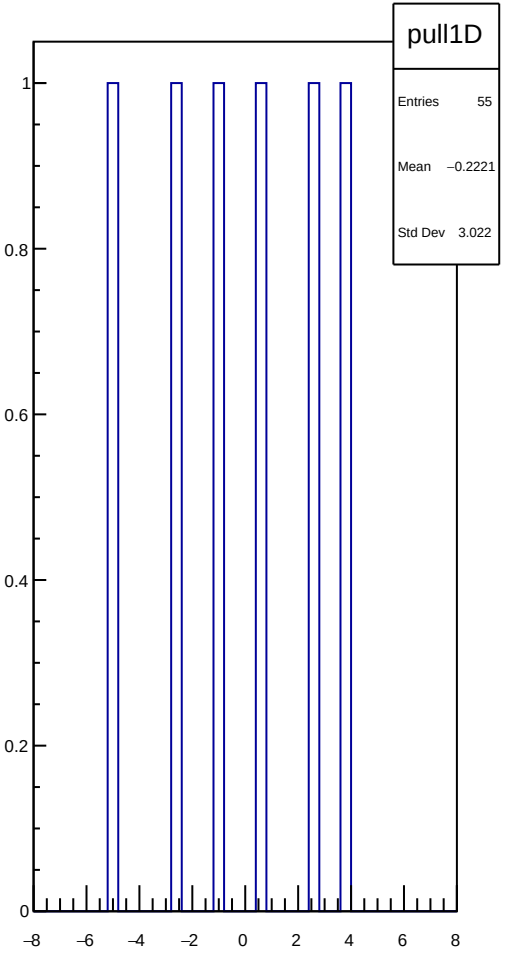
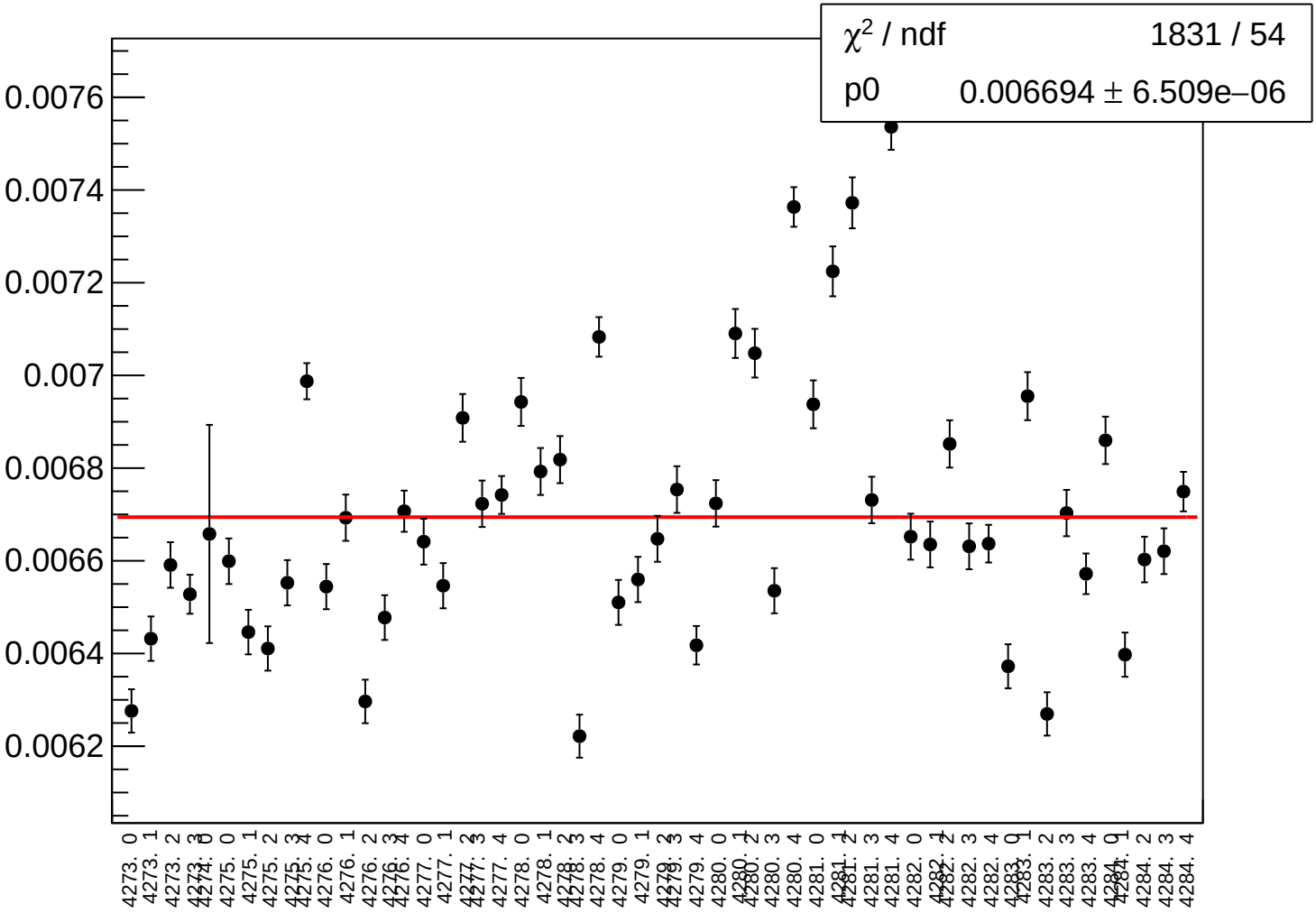
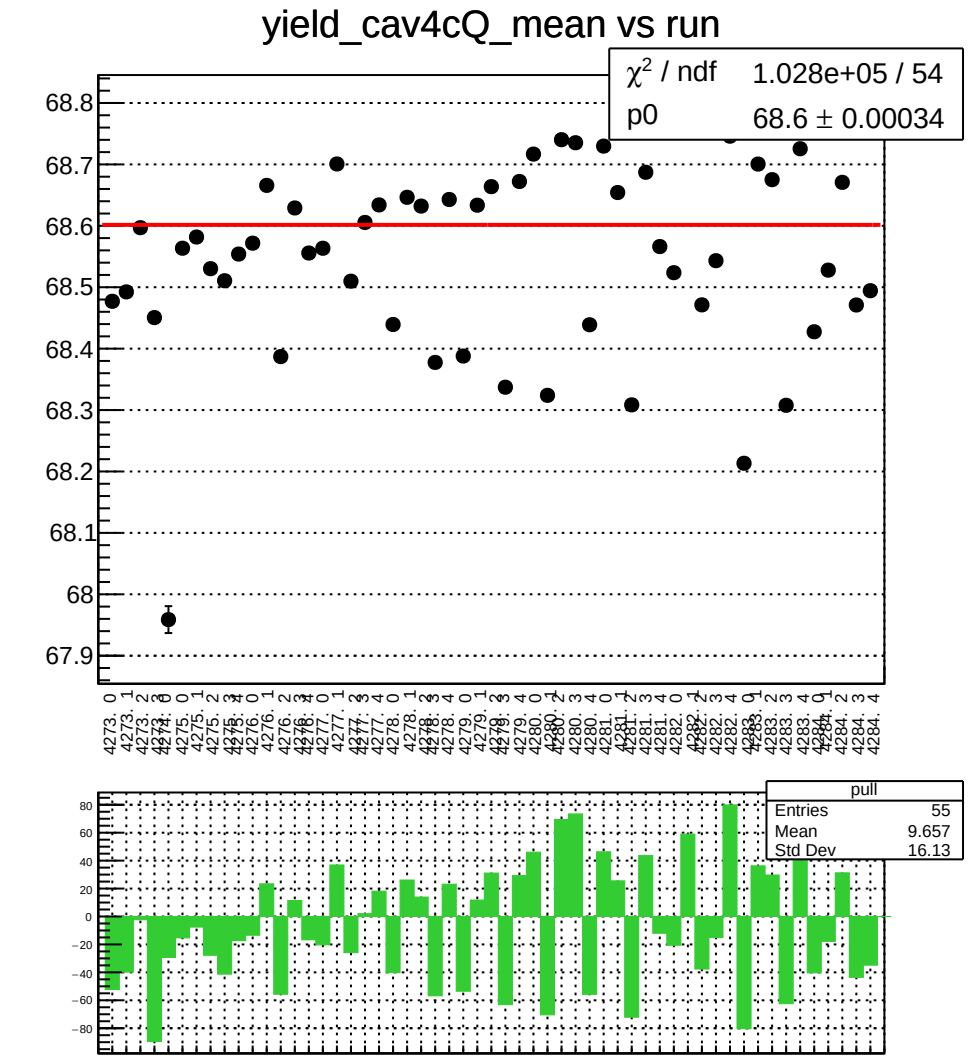
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

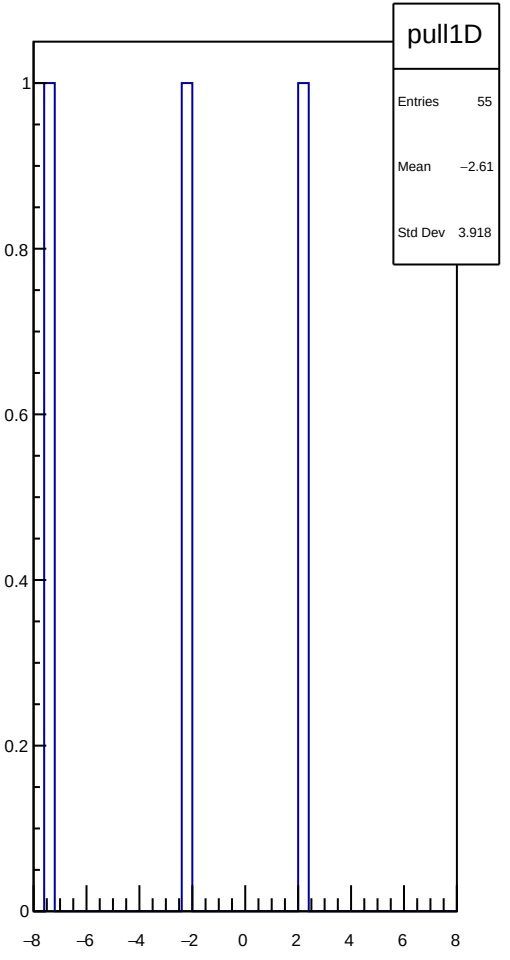

yield_cav4bQ_mean vs run
χ² / ndf 1.218e+05 / 54
p0 400.5 ± 9.206e−06
400.512
400.51
400.508
400.506
400.504
400.502
400.5
400.498
400.496
pull
Entries 55
Mean −1739
Std Dev 1774
100
50
0
−50
−100

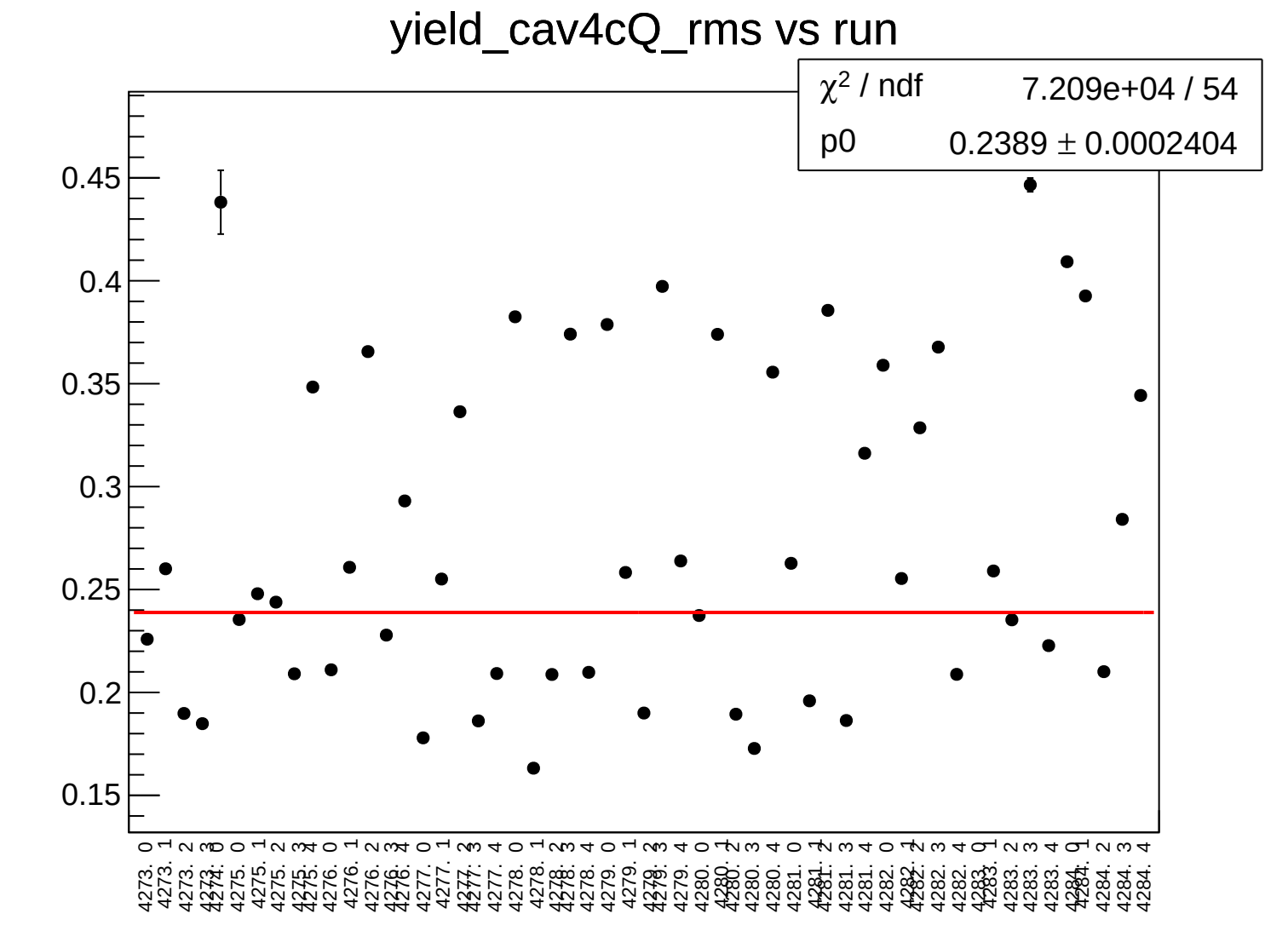

pull1D
Entries 55
Mean −0.2221
Std Dev 3.022
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

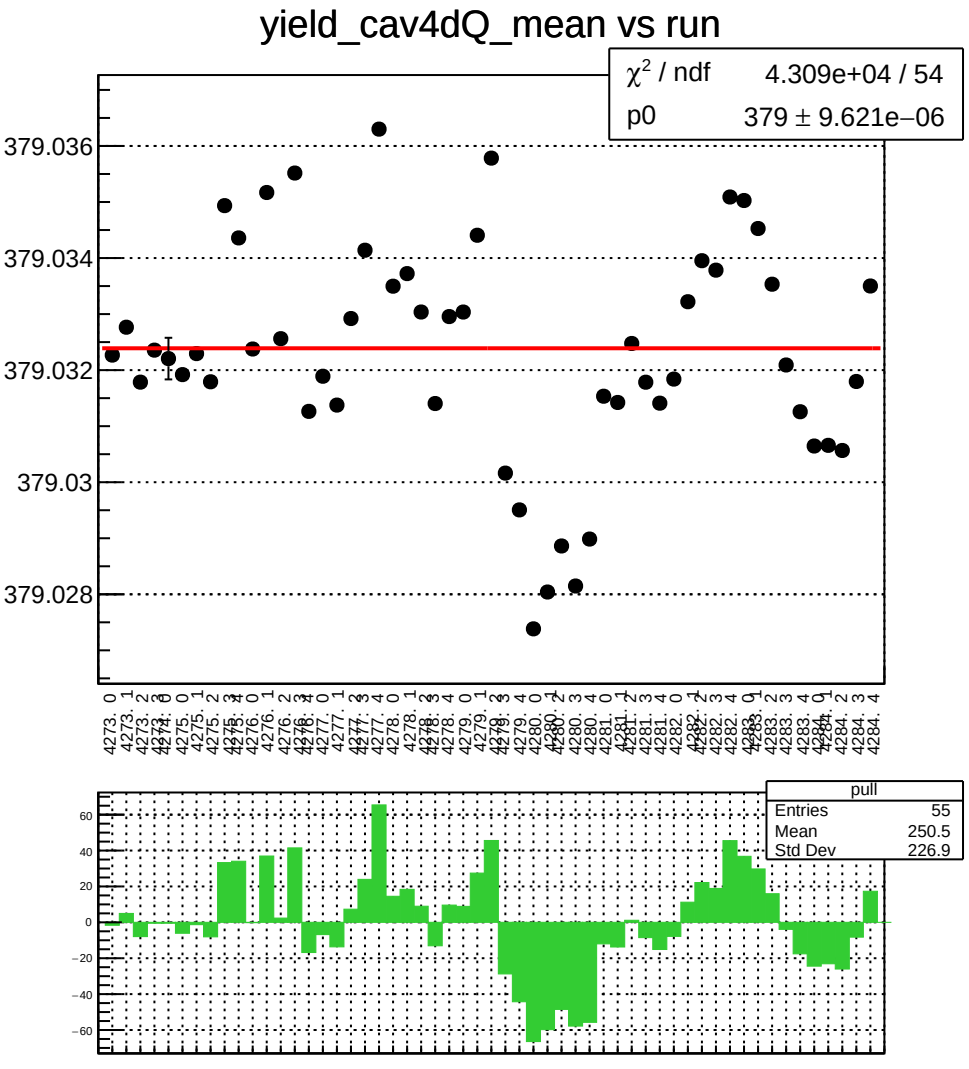
yield_cav4bQ_rms vs run

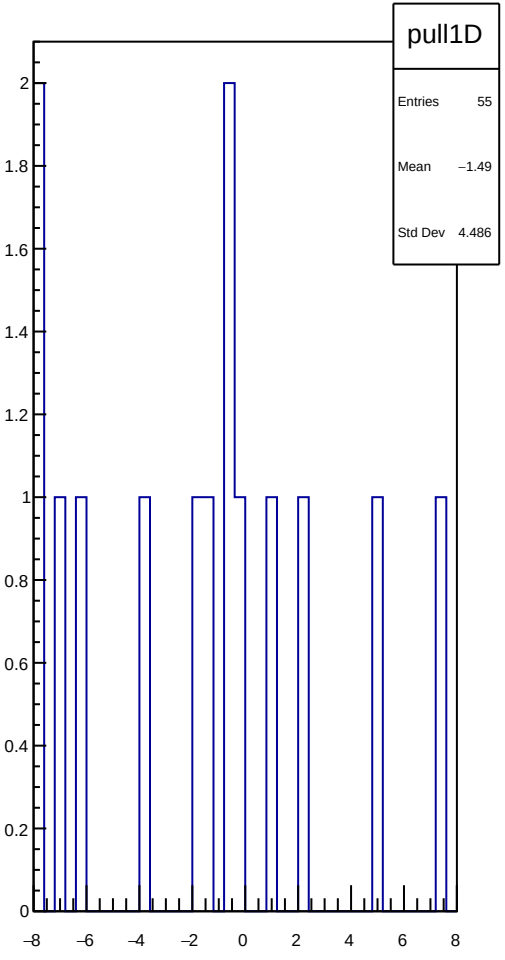


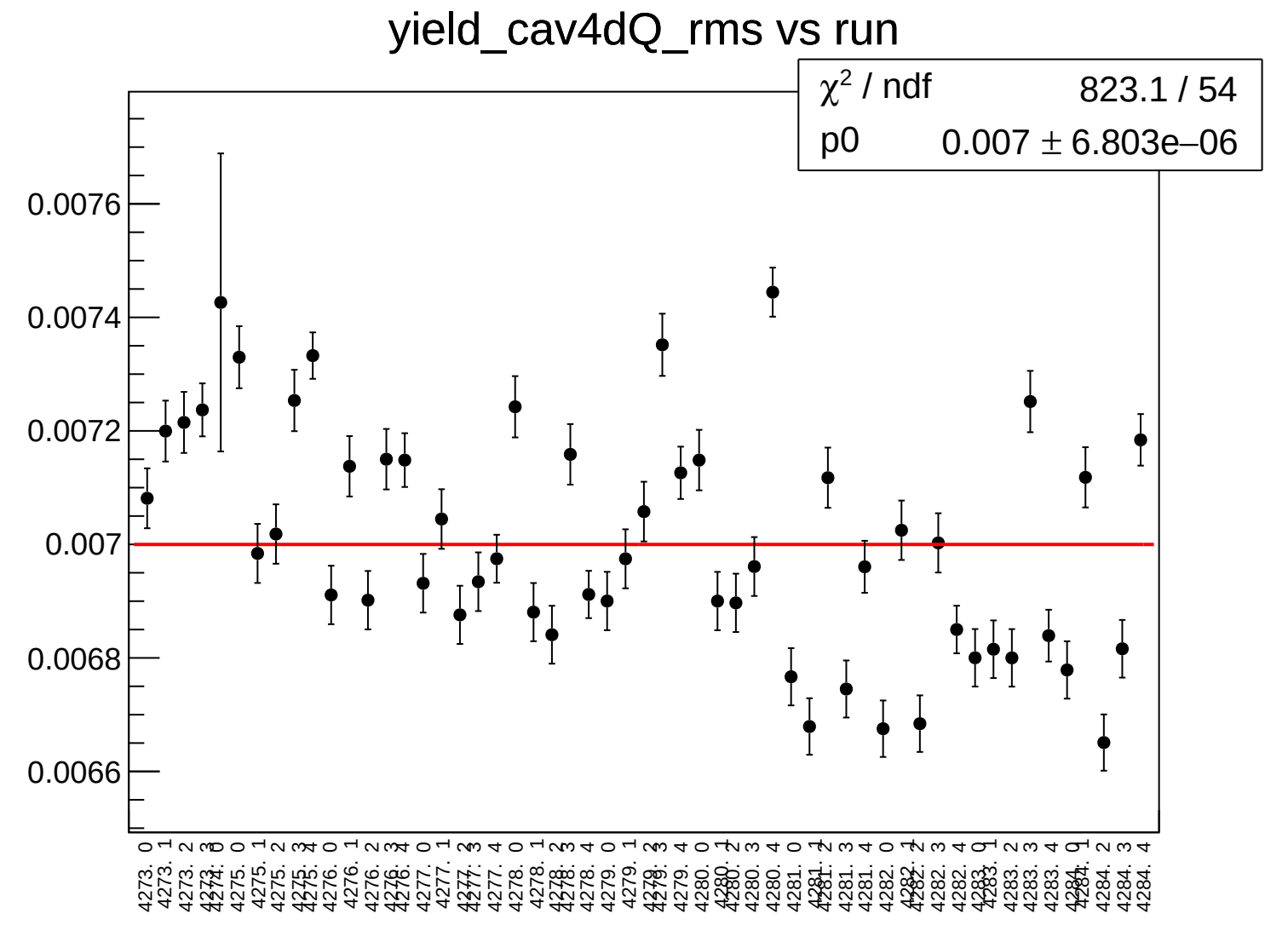

yield_cav4cQ_mean vs run
χ² / ndf 1.028e+05 / 54
p0 68.6 ± 0.00034
68.8
68.7
68.6
68.5
68.4
68.3
68.2
68.1
68
67.9
pull
Entries 55
Mean 9.657
Std Dev 16.13
80
60
40
20
0
−20
−40
−60
−80

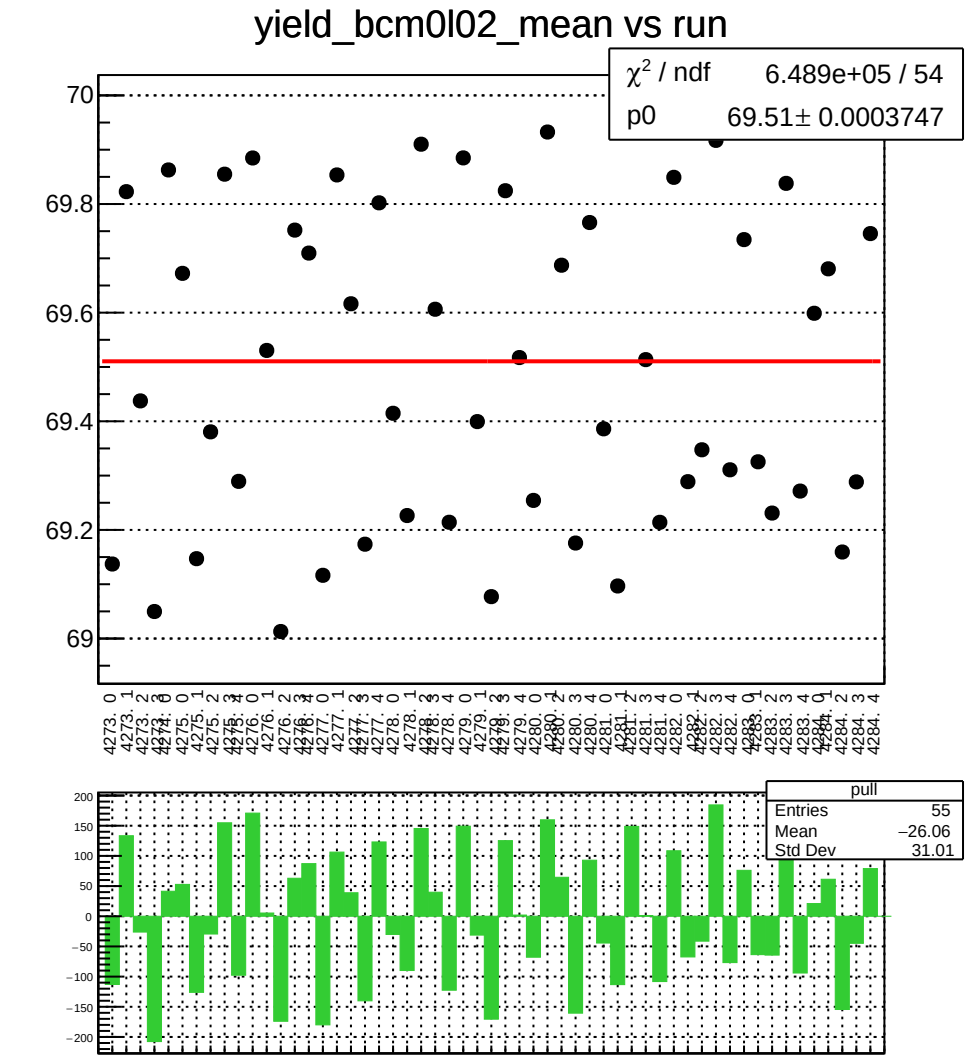

pull1D
Entries 55
Mean −2.61
Std Dev 3.918
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

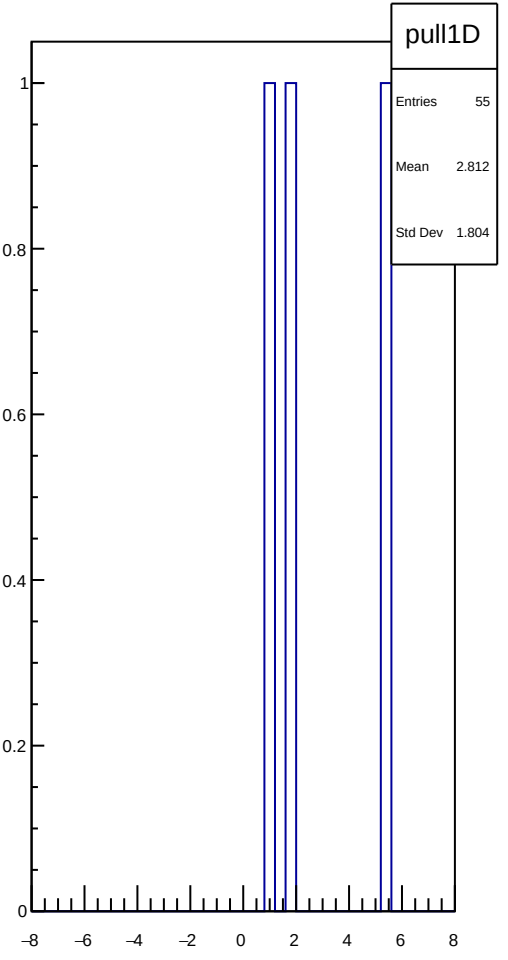

yield_cav4cQ_rms vs run
χ2 / ndf 7.209e+04 / 54
p0 0.2389 ± 0.0002404
0.45
0.4
0.35
0.3
0.25
0.2
0.15
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

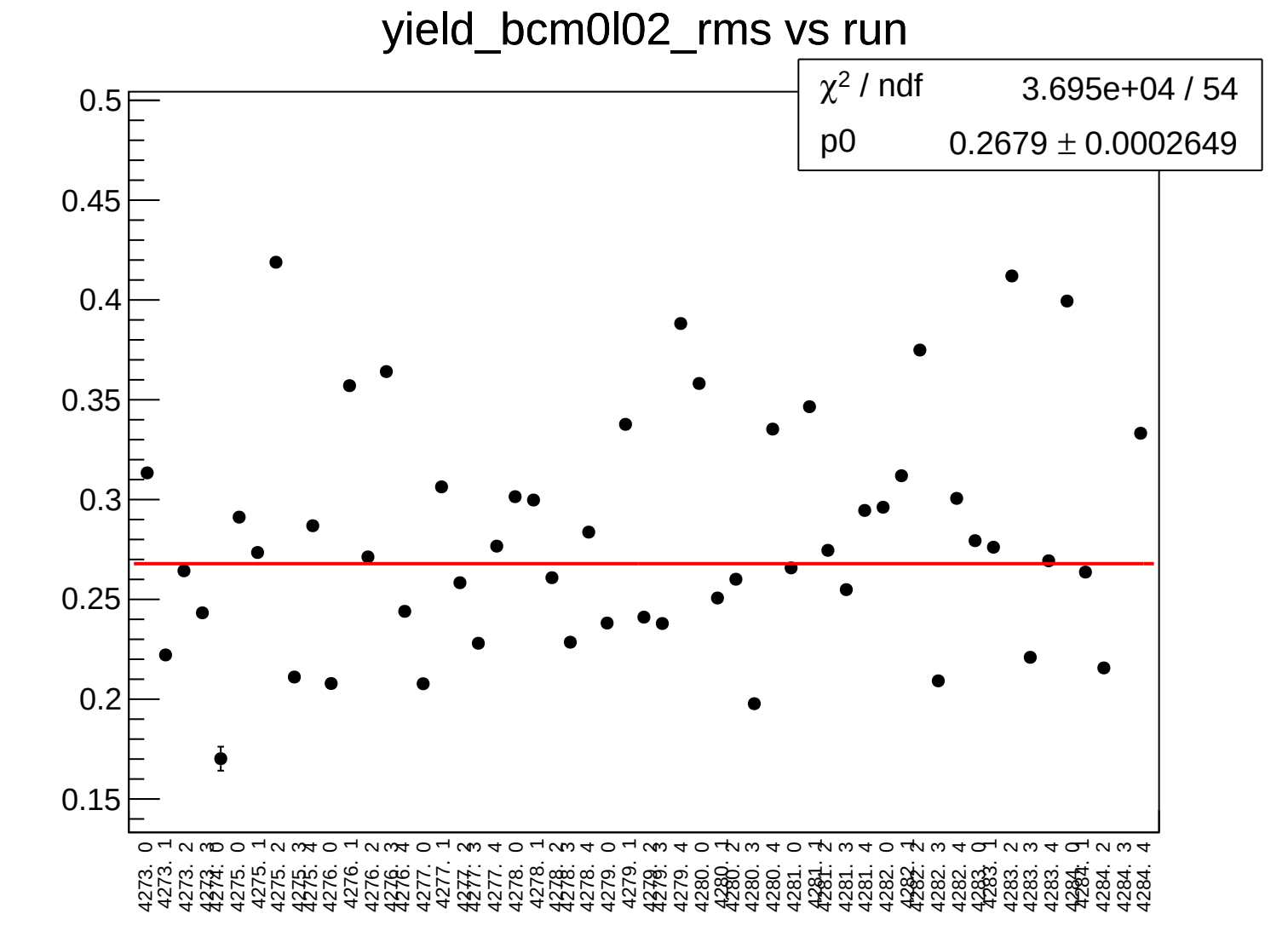

yield_cav4dQ_mean vs run
χ² / ndf 4.309e+04 / 54
p0 379 ± 9.621e−06
379.036
379.034
379.032
379.03
379.028
pull
Entries 55
Mean 250.5
Std Dev 226.9
60
40
20
0
−20
−40
−60

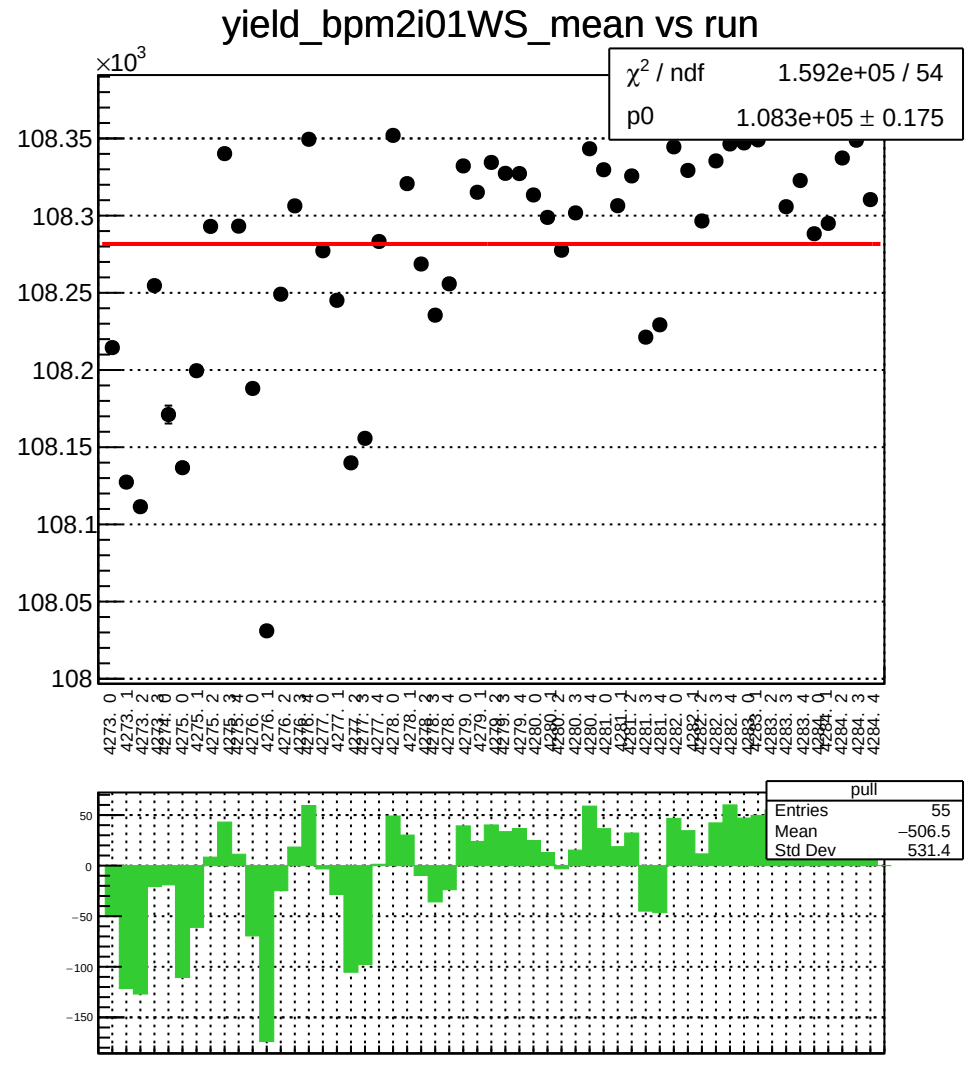

pull1D
Entries 55
Mean −1.49
Std Dev 4.486
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

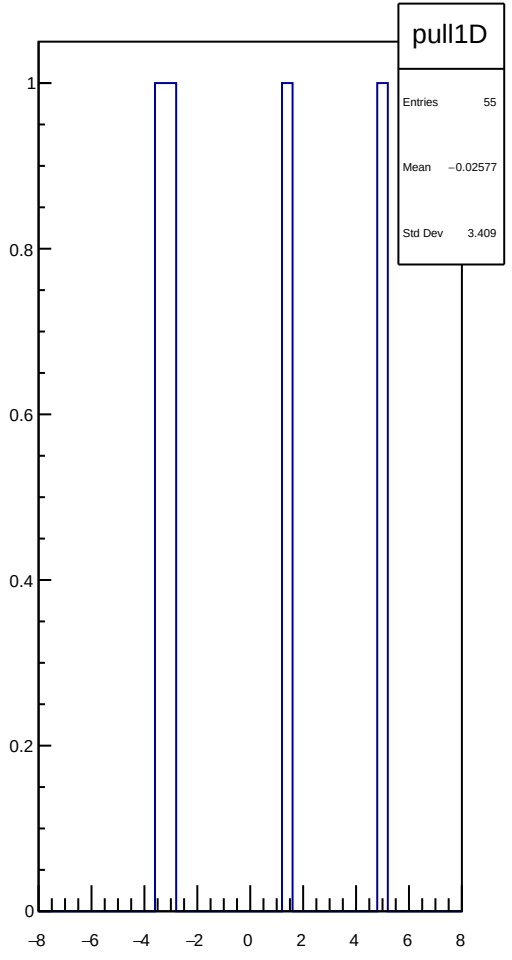

yield_cav4dQ_rms vs run
χ² / ndf 823.1 / 54
p0 0.007 ± 6.803e−06
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

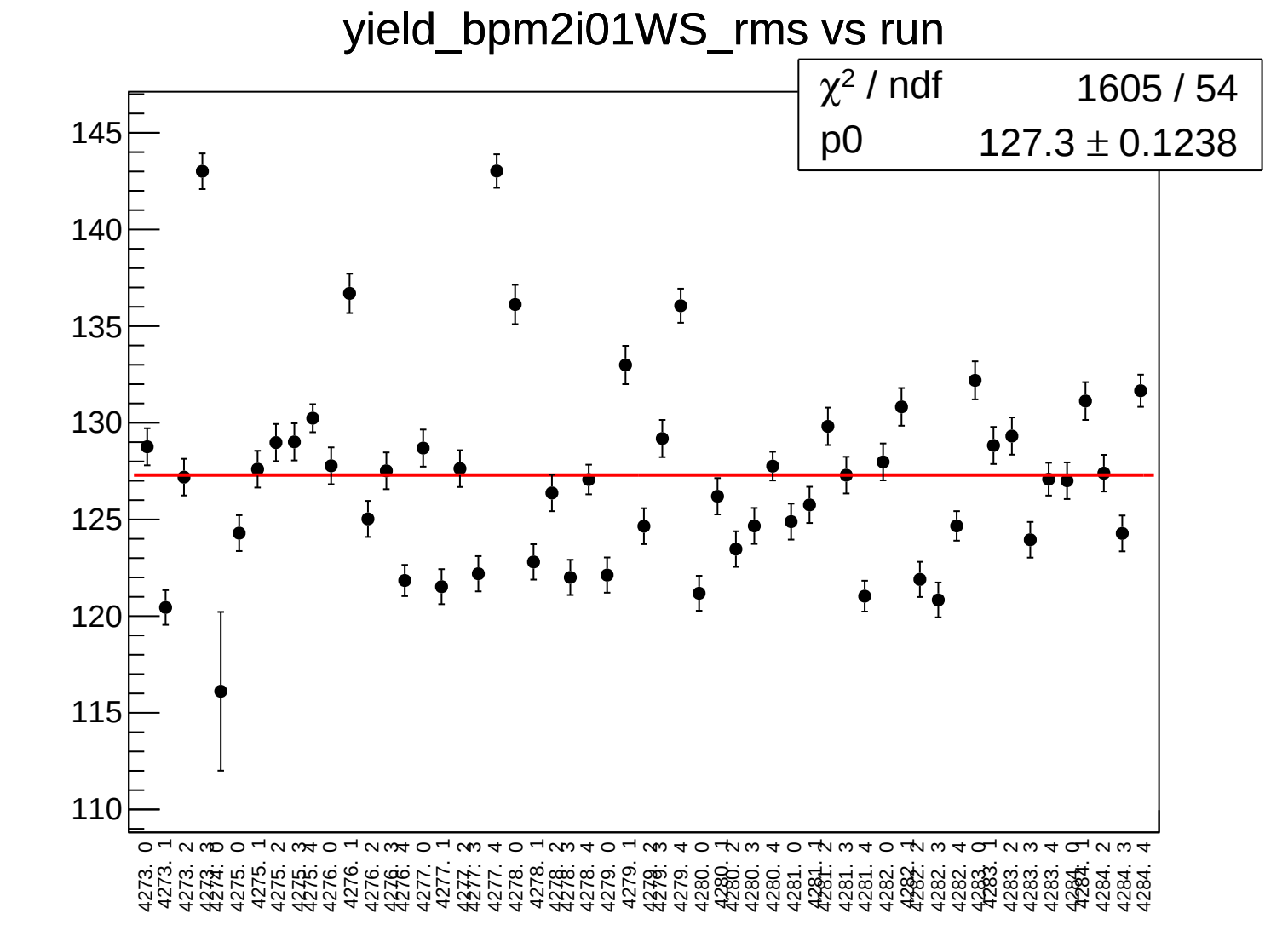

yield_bcm0l02_mean vs run
χ² / ndf 6.489e+05 / 54
p0 69.51± 0.0003747
70
69.8
69.6
69.4
69.2
69
pull
Entries 55
Mean −26.06
Std Dev 31.01
200
150
100
50
0
−50
−100
−150
−200

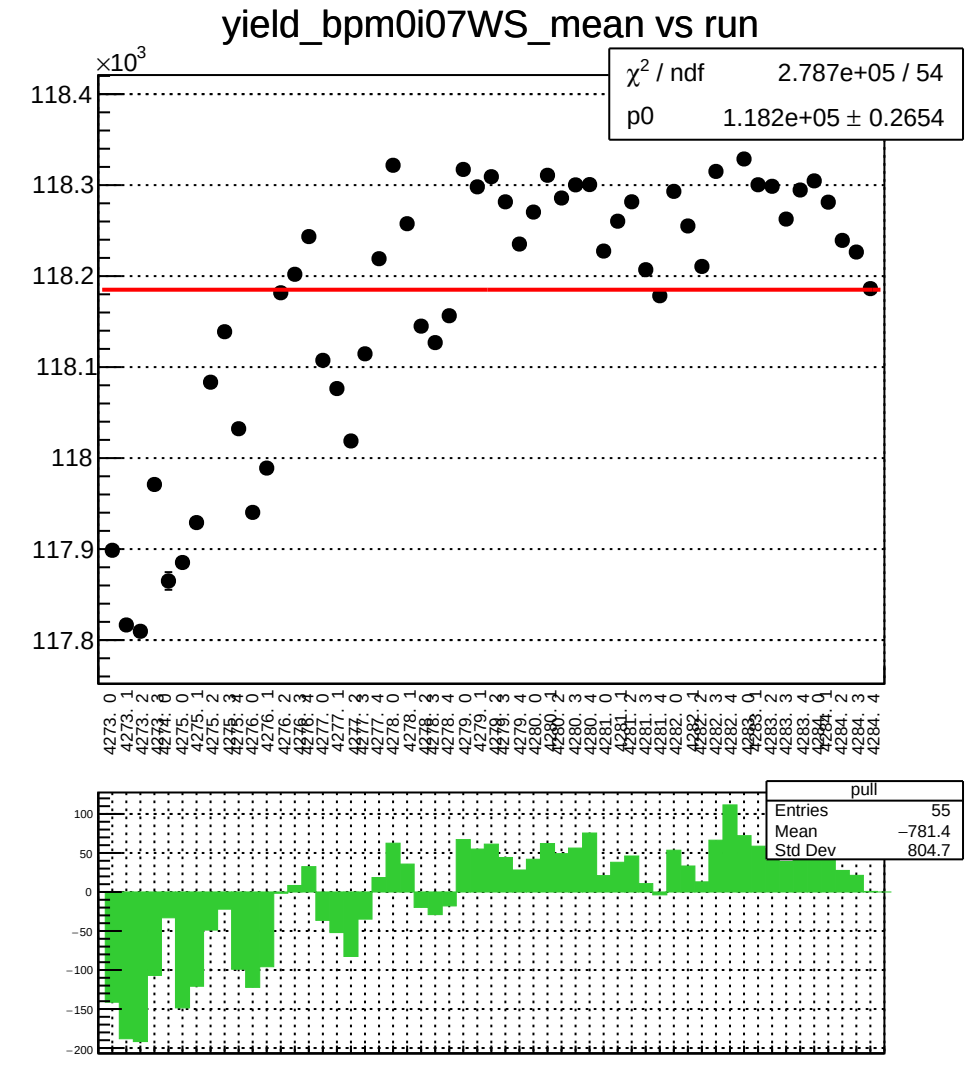

pull1D
Entries 55
Mean 2.812
Std Dev 1.804
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

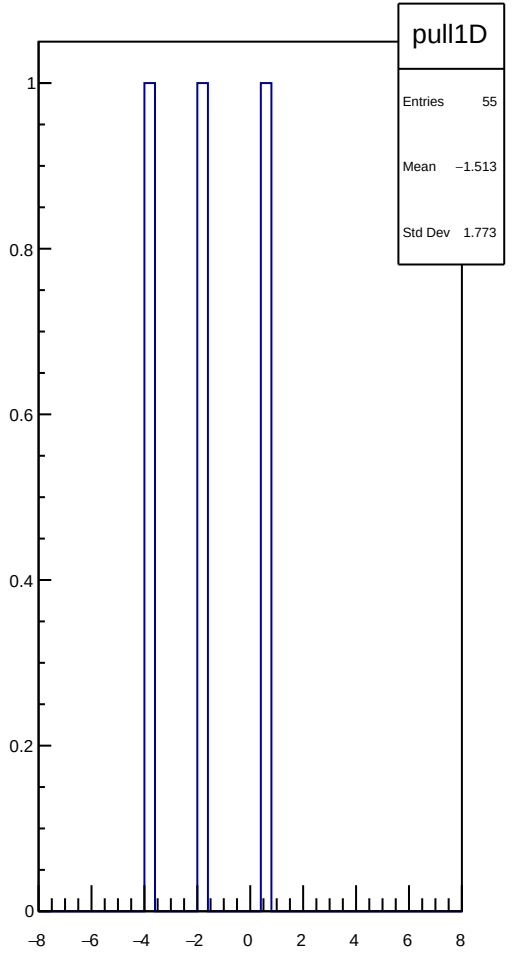

yield_bcm0l02_rms vs run
χ² / ndf 3.695e+04 / 54
p0 0.2679 ± 0.0002649
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

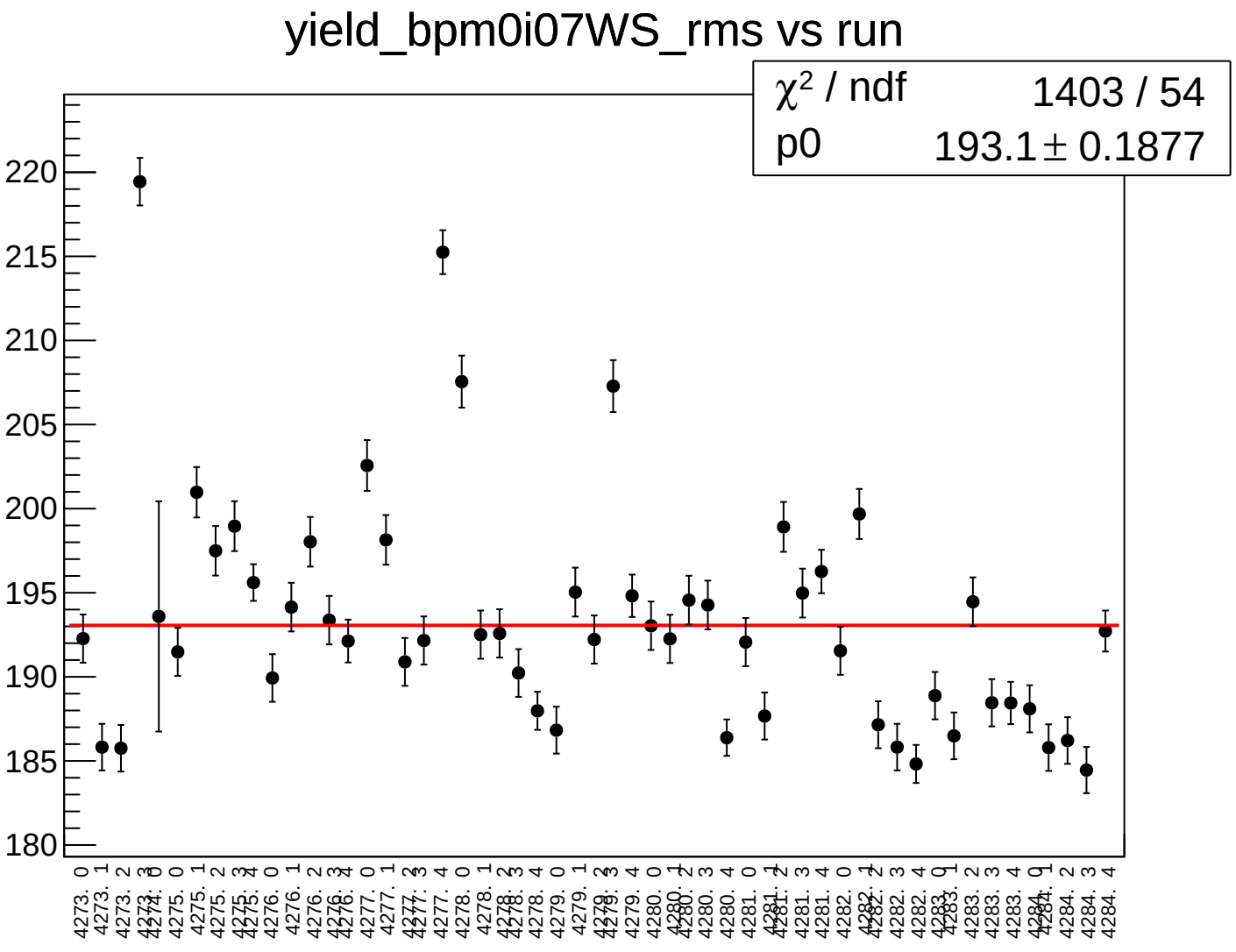

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1.592e+05 / 54
p0 1.083e+05 ± 0.175
108.35
108.3
108.25
108.2
108.15
108.1
108.05
108
pull
Entries 55
Mean −506.5
Std Dev 531.4
50
0
−50
−100
−150

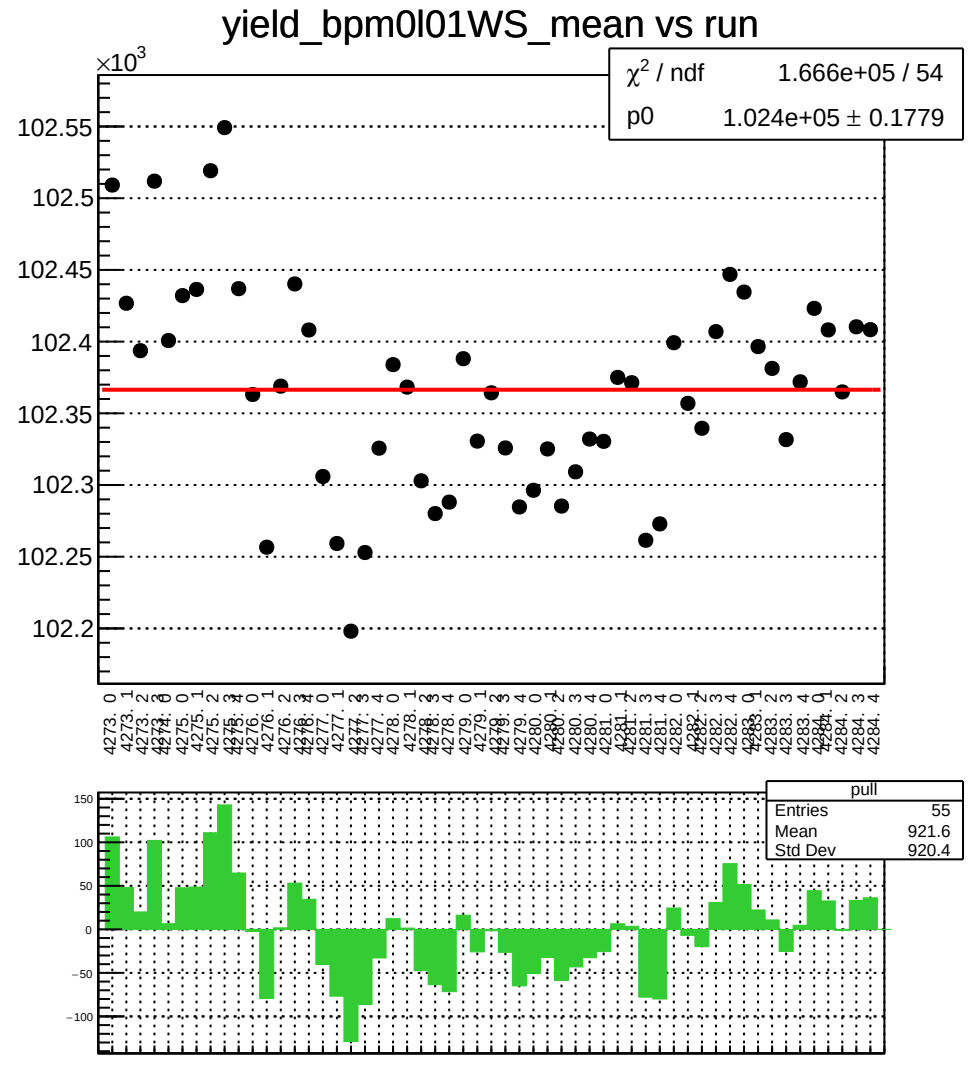

pull1D
Entries 55
Mean −0.02577
Std Dev 3.409
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

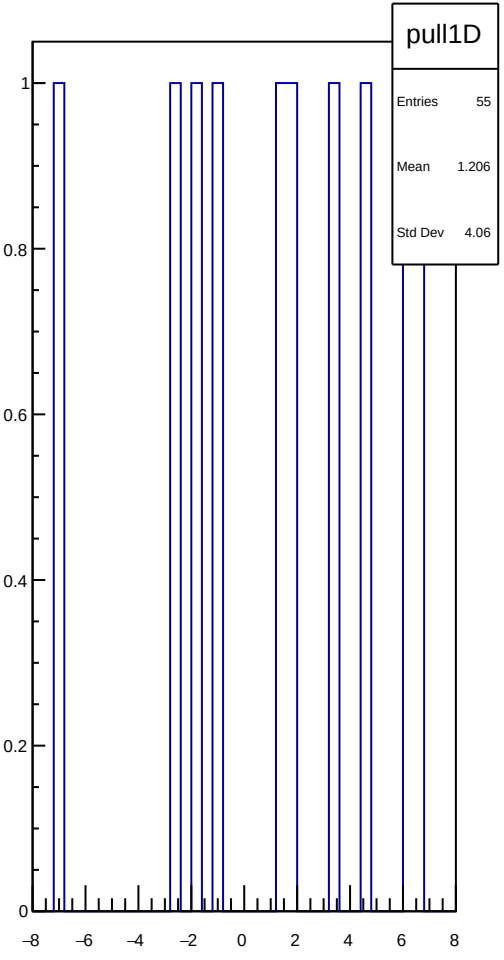

yield_bpm2i01WS_rms vs run
χ² / ndf 1605 / 54
p0 127.3 ± 0.1238
145
140
135
130
125
120
115
110
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

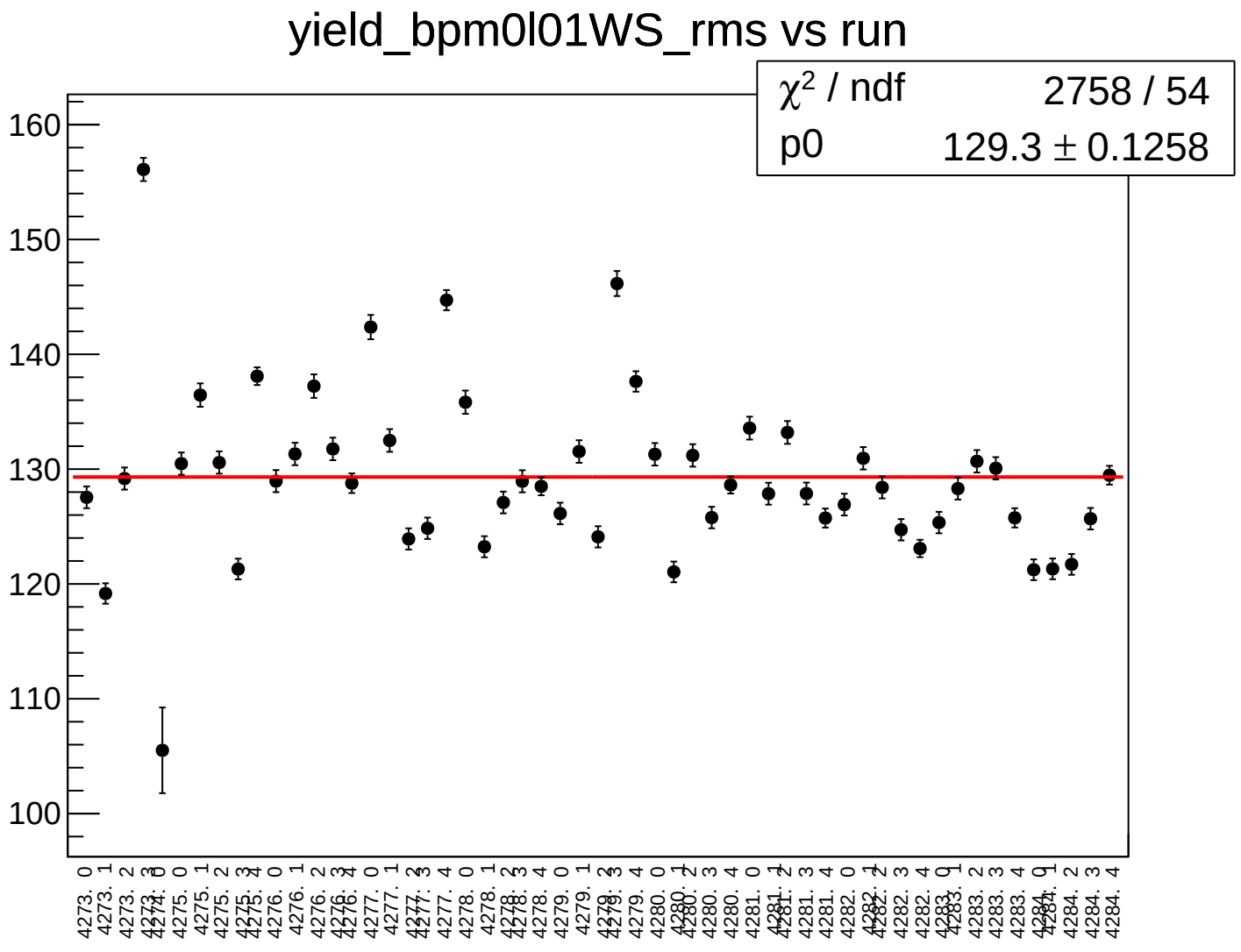

yield_bpm0i07WS_mean vs run
×10^3
χ^2 / ndf 2.787e+05 / 54
p0 1.182e+05 ± 0.2654
118.4
118.3
118.2
118.1
118
117.9
117.8
pull
Entries 55
Mean −781.4
Std Dev 804.7
100
50
0
−50
−100
−150
−200

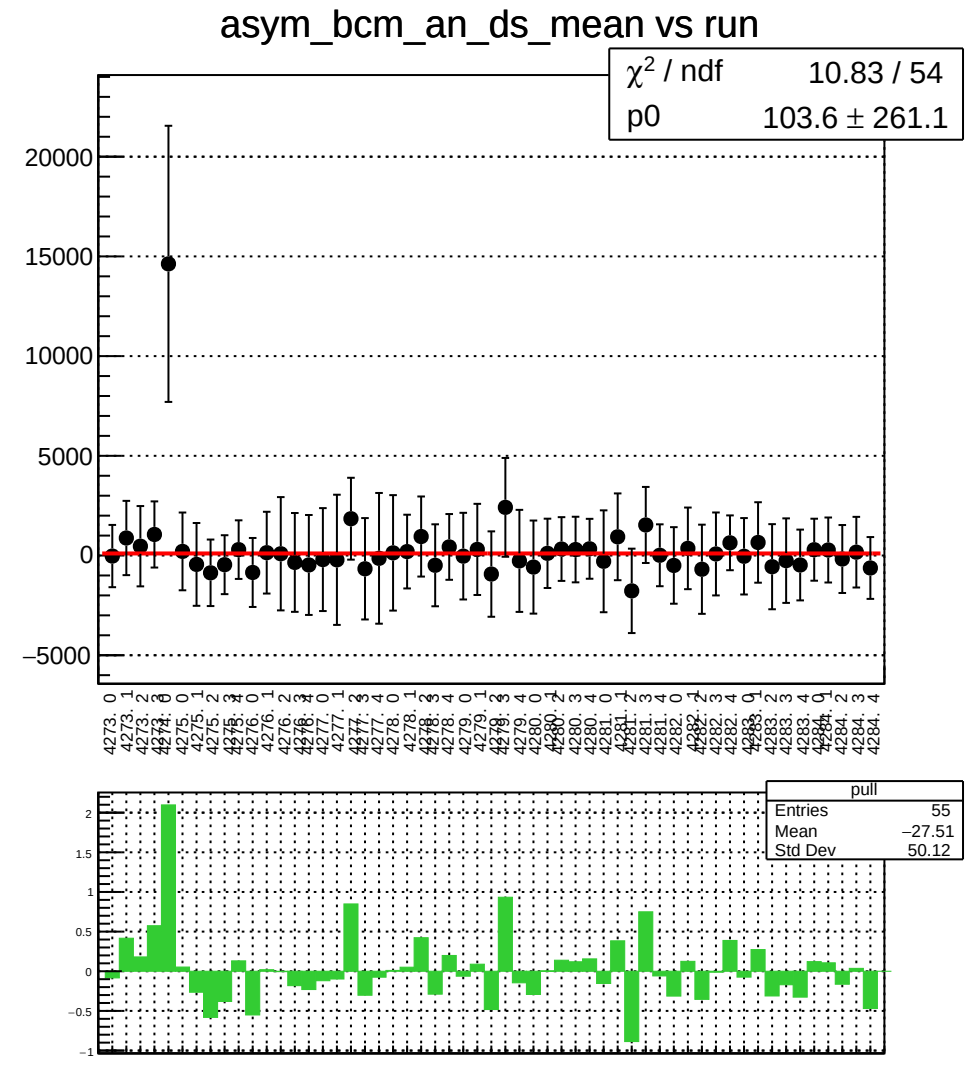

pull1D
Entries 55
Mean −1.513
Std Dev 1.773
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

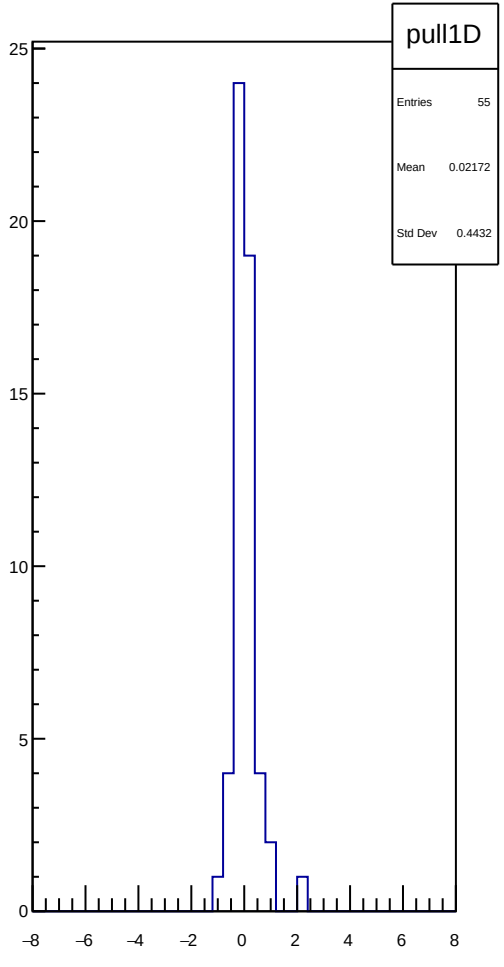

yield_bpm0i07WS_rms vs run
χ² / ndf 1403 / 54
p0 193.1 ± 0.1877
220
215
210
205
200
195
190
185
180
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

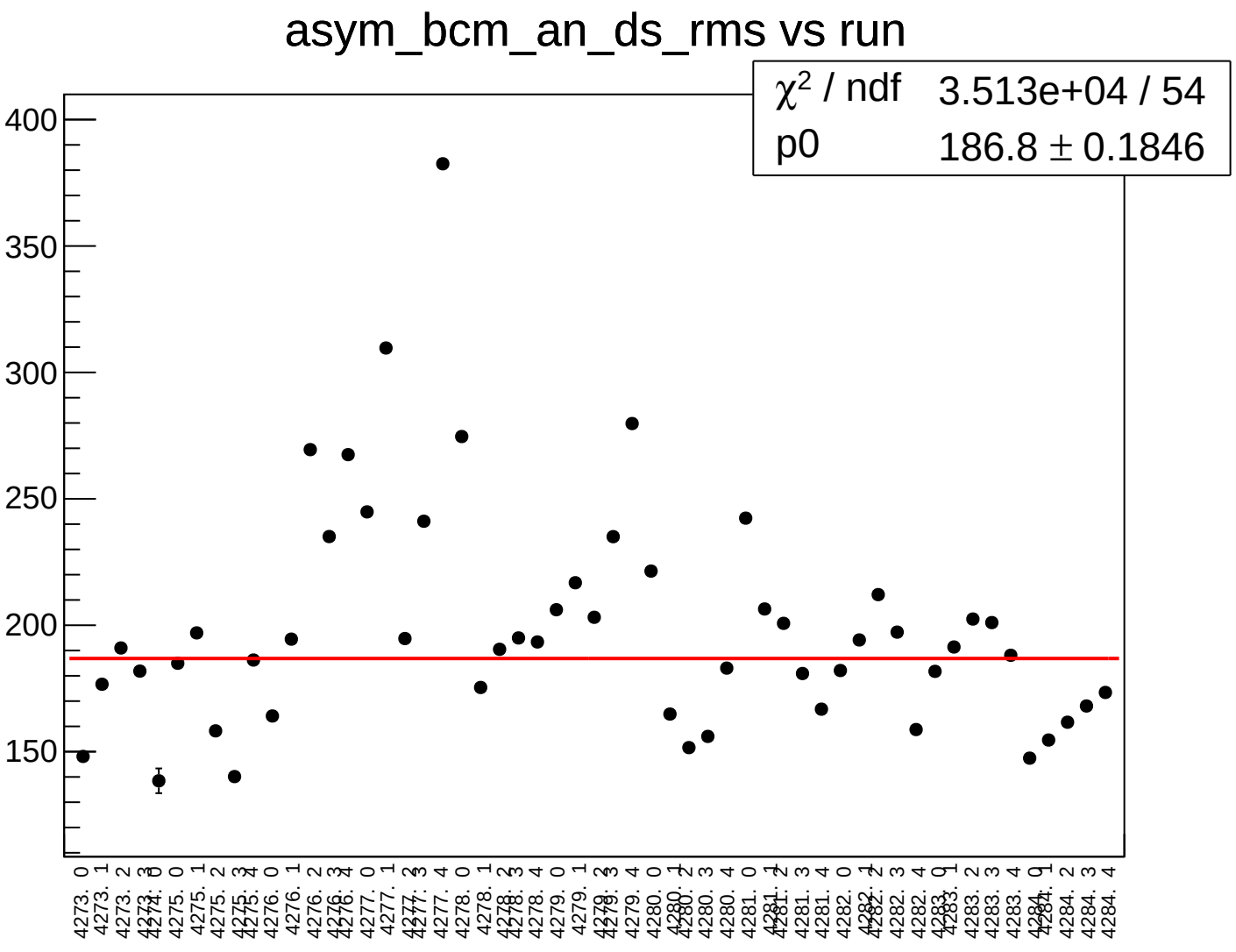

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 1.666e+05 / 54
p0 1.024e+05 ± 0.1779
102.55
102.5
102.45
102.4
102.35
102.3
102.25
102.2
pull
Entries 55
Mean 921.6
Std Dev 920.4
150
100
50
0
−50
−100


pull1D
Entries 55
Mean 1.206
Std Dev 4.06
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 2758 / 54
p0 129.3 ± 0.1258
160
150
140
130
120
110
100
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_bcm_an_ds_mean vs run
χ² / ndf 10.83 / 54
p0 103.6 ± 261.1
20000
15000
10000
5000
0
−5000
pull
Entries 55
Mean −27.51
Std Dev 50.12
2
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 55
Mean 0.02172
Std Dev 0.4432
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_an_ds_rms vs run
χ² / ndf 3.513e+04 / 54
p0 186.8 ± 0.1846
400
350
300
250
200
150
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
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4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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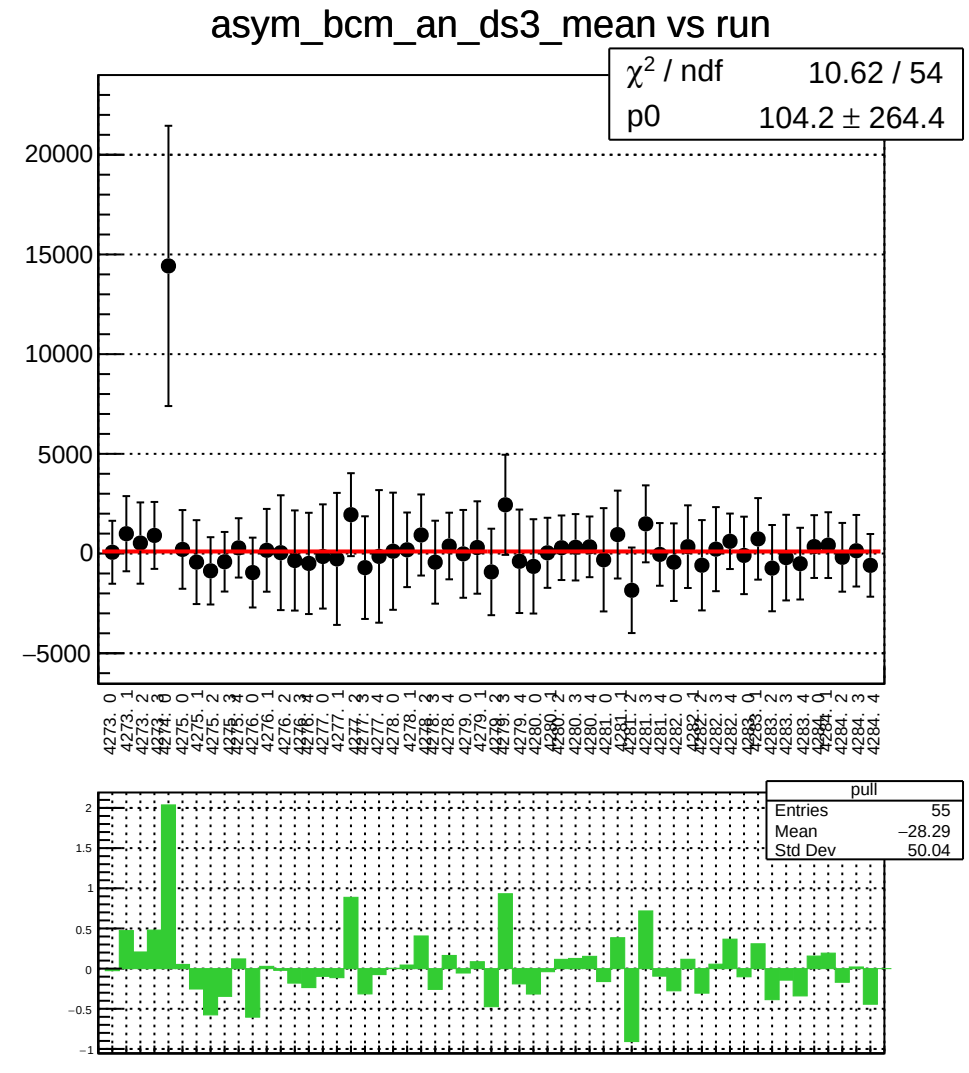
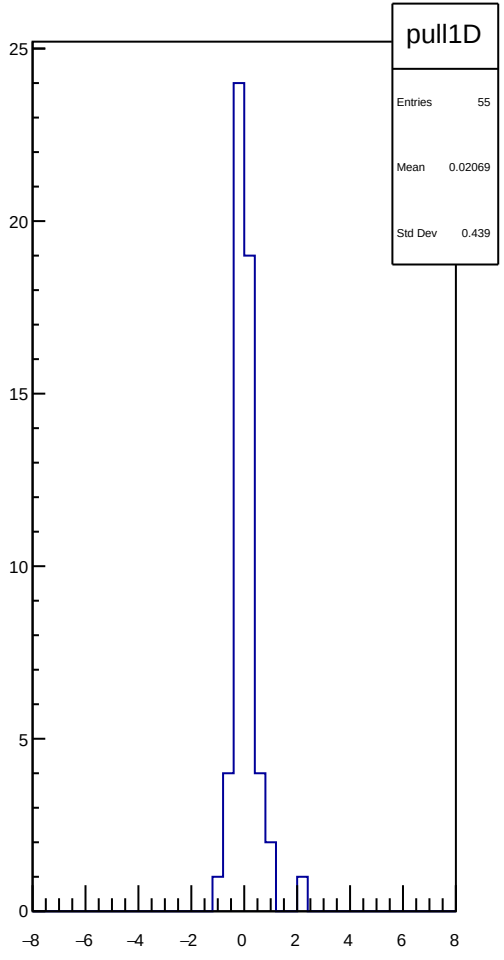
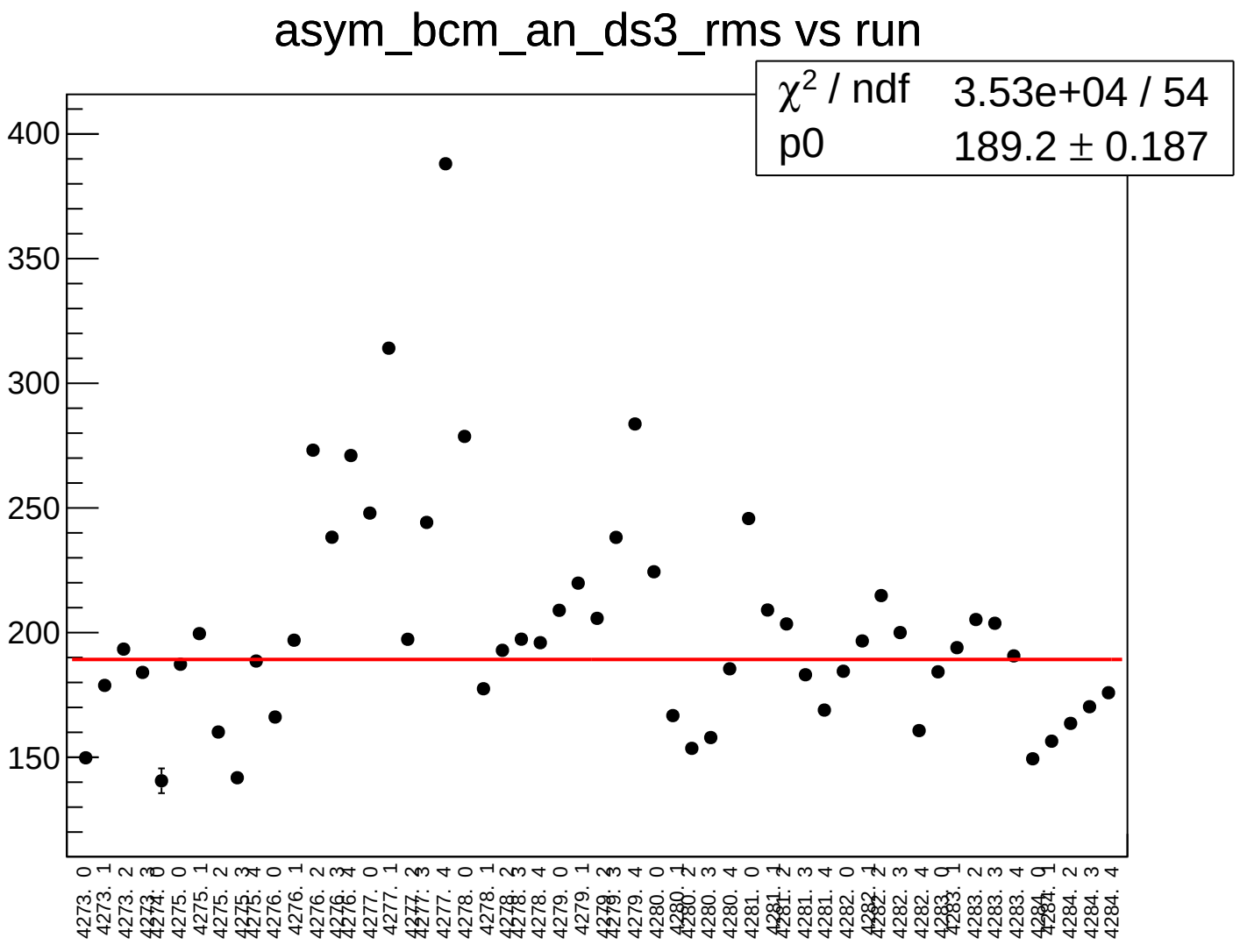
4284. 1
4284. 2
4284. 3
4284. 4


asym_bcm_an_ds3_mean vs run
χ^2 / ndf 10.62 / 54
p0 104.2 ± 264.4
20000
15000
10000
5000
0
−5000
pull
Entries 55
Mean −28.29
Std Dev 50.04
2
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 55
Mean 0.02069
Std Dev 0.439
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_an_ds3_rms vs run
χ^2 / ndf 3.53e+04 / 54
p0 189.2 ± 0.187
400
350
300
250
200
150
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
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4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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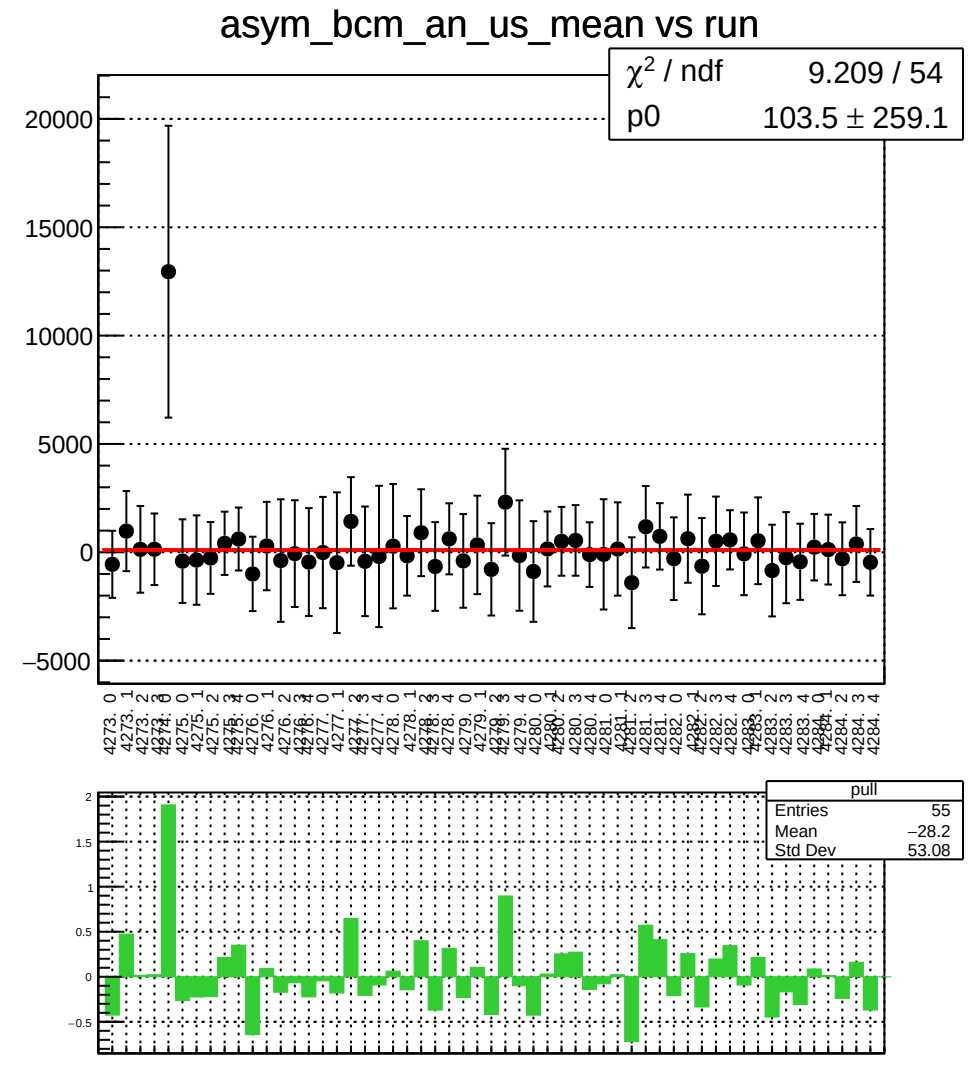
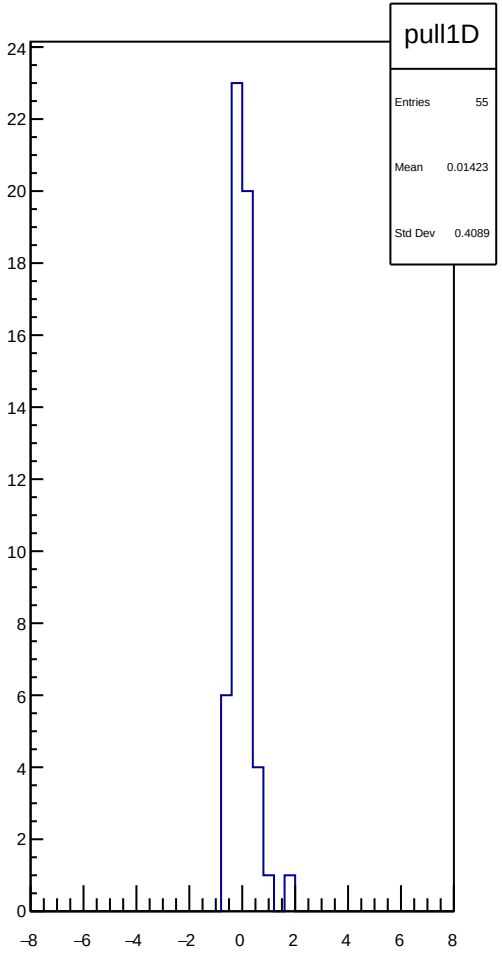
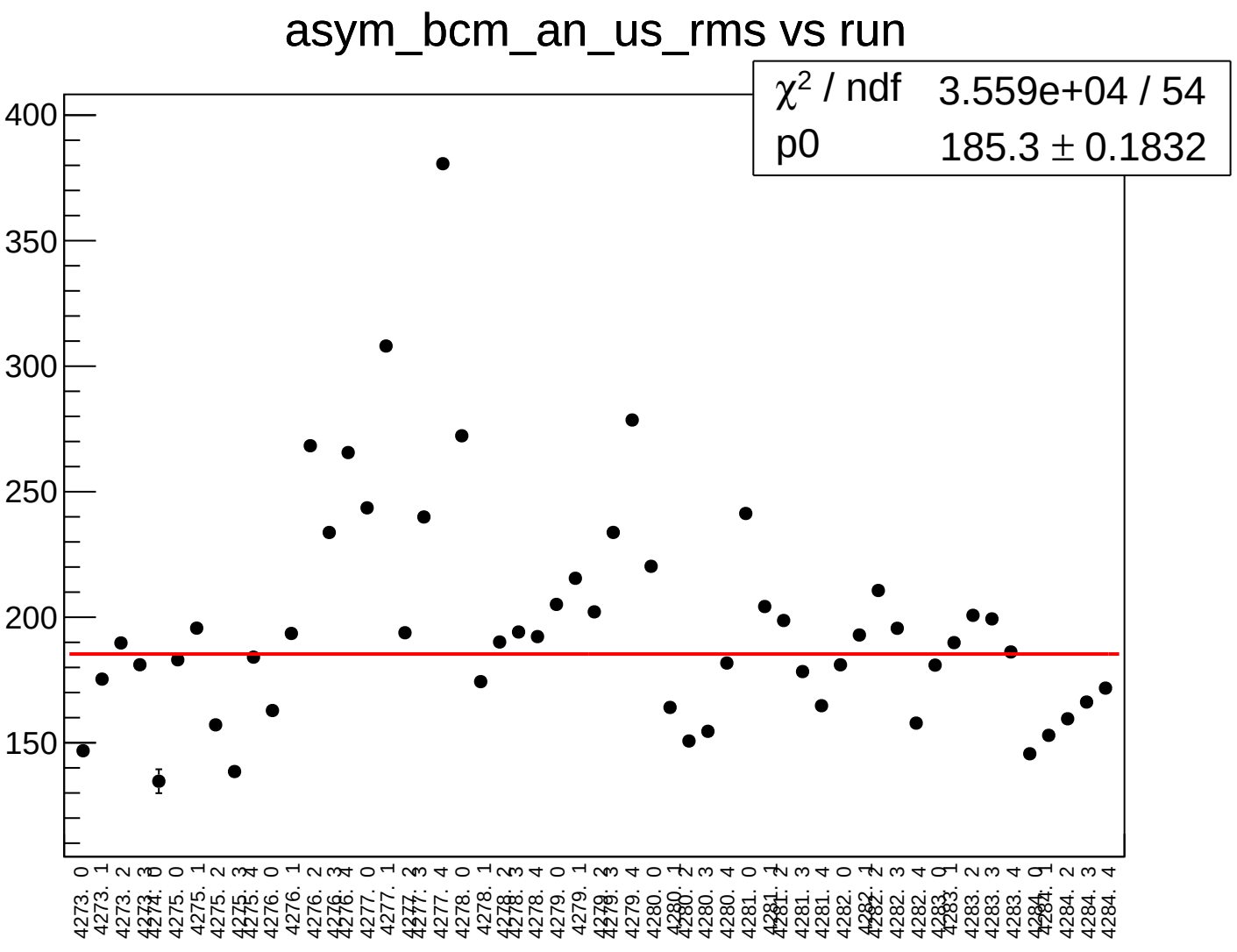
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_bcm_an_us_mean vs run
χ^2 / ndf 9.209 / 54
p0 103.5 ± 259.1
20000
15000
10000
5000
0
−5000
pull
Entries 55
Mean −28.2
Std Dev 53.08
2
1.5
1
0.5
0
−0.5


pull1D
Entries 55
Mean 0.01423
Std Dev 0.4089
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_an_us_rms vs run
χ² / ndf 3.559e+04 / 54
p0 185.3 ± 0.1832
400
350
300
250
200
150
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
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4275. 2
4275. 3
4275. 4
4276. 0
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4276. 2
4276. 3
4276. 4
4277. 0
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4278. 2
4278. 3
4278. 4
4279. 0
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4279. 4
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4280. 2
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4280. 4
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4281. 2
4281. 3
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4282. 2
4282. 3
4282. 4
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4283. 4
4284. 0
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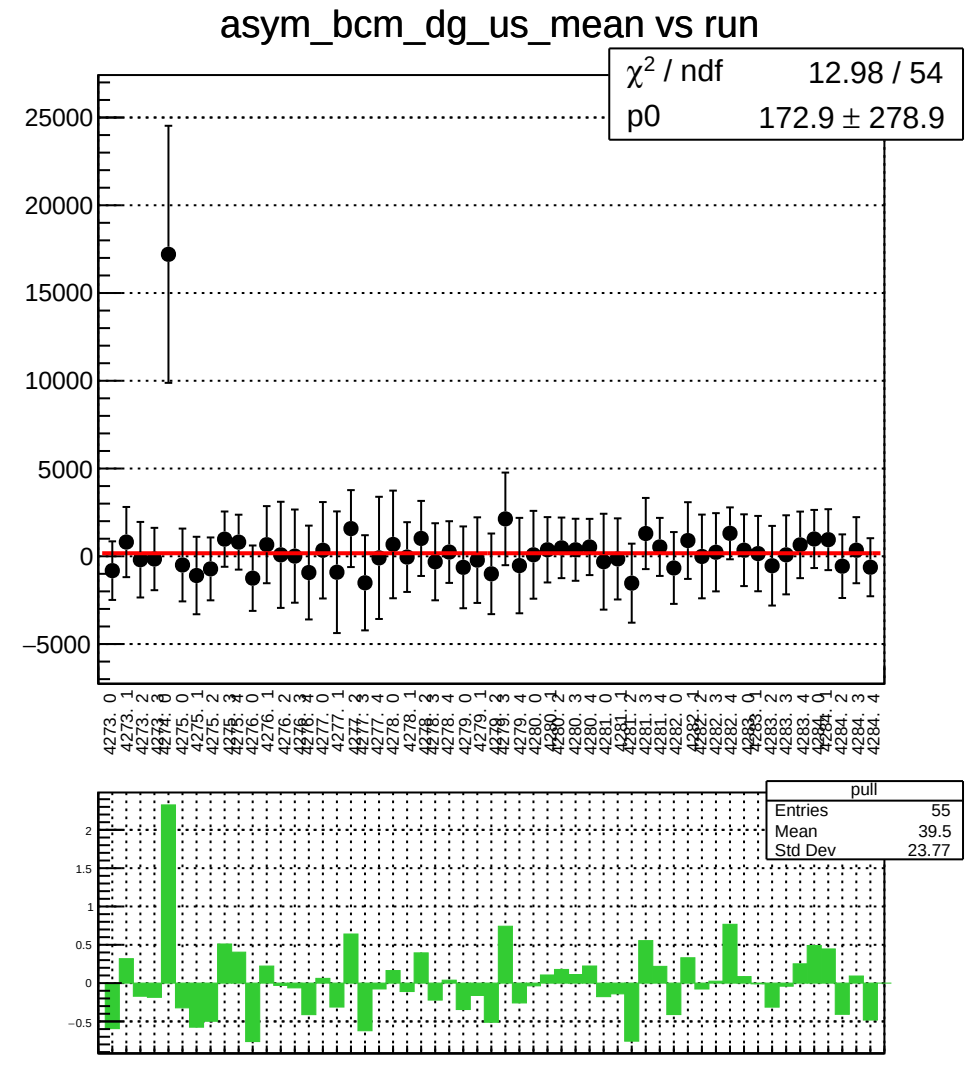
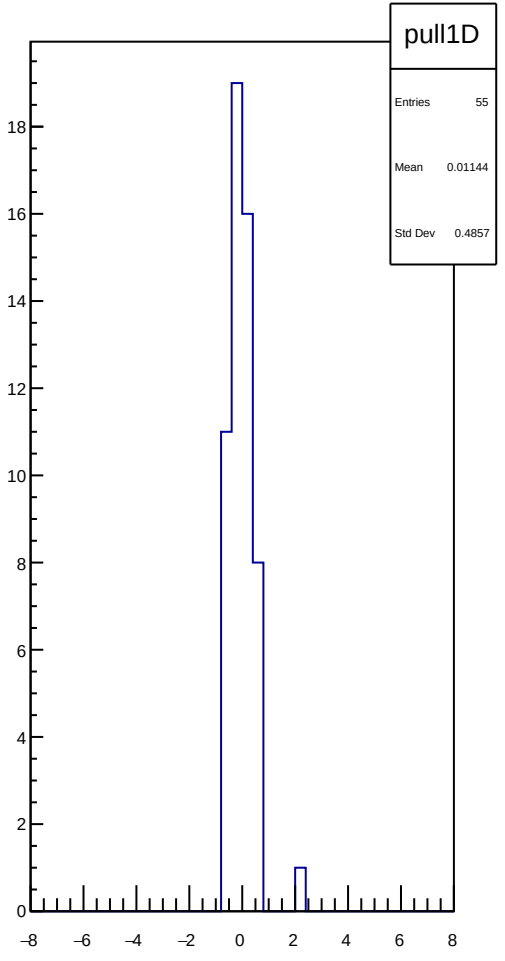
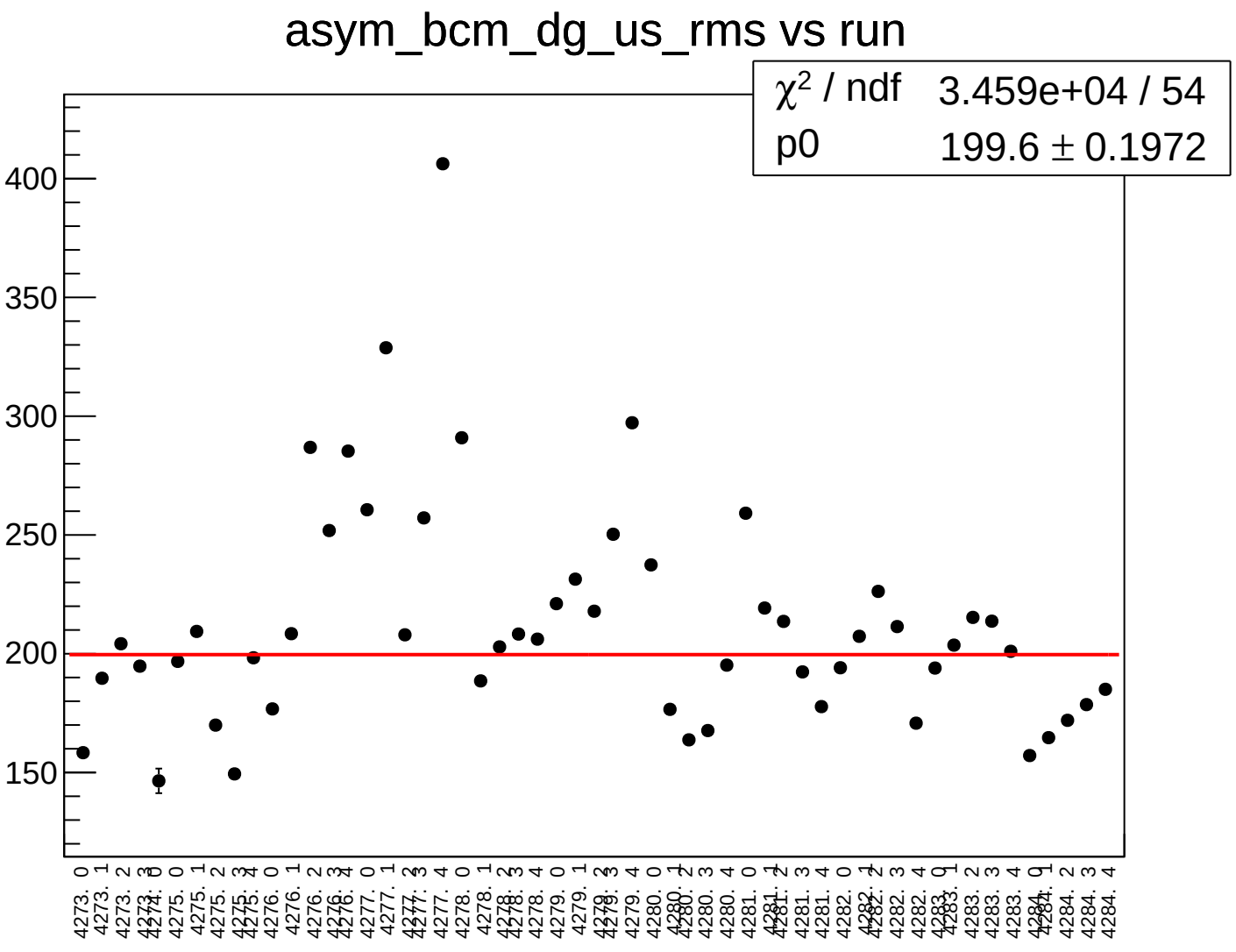
4284. 3
4284. 4


asym_bcm_dg_us_mean vs run
χ² / ndf 12.98 / 54
p0 172.9 ± 278.9
25000
20000
15000
10000
5000
0
−5000
pull
Entries 55
Mean 39.5
Std Dev 23.77
2
1.5
1
0.5
0
−0.5


pull1D
Entries 55
Mean 0.01144
Std Dev 0.4857
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_us_rms vs run
χ² / ndf 3.459e+04 / 54
p0 199.6 ± 0.1972
400
350
300
250
200
150
4273. 0
4273. 1
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4273. 4
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4275. 4
4276. 0
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4280. 4
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4282. 3
4282. 4
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4284. 0
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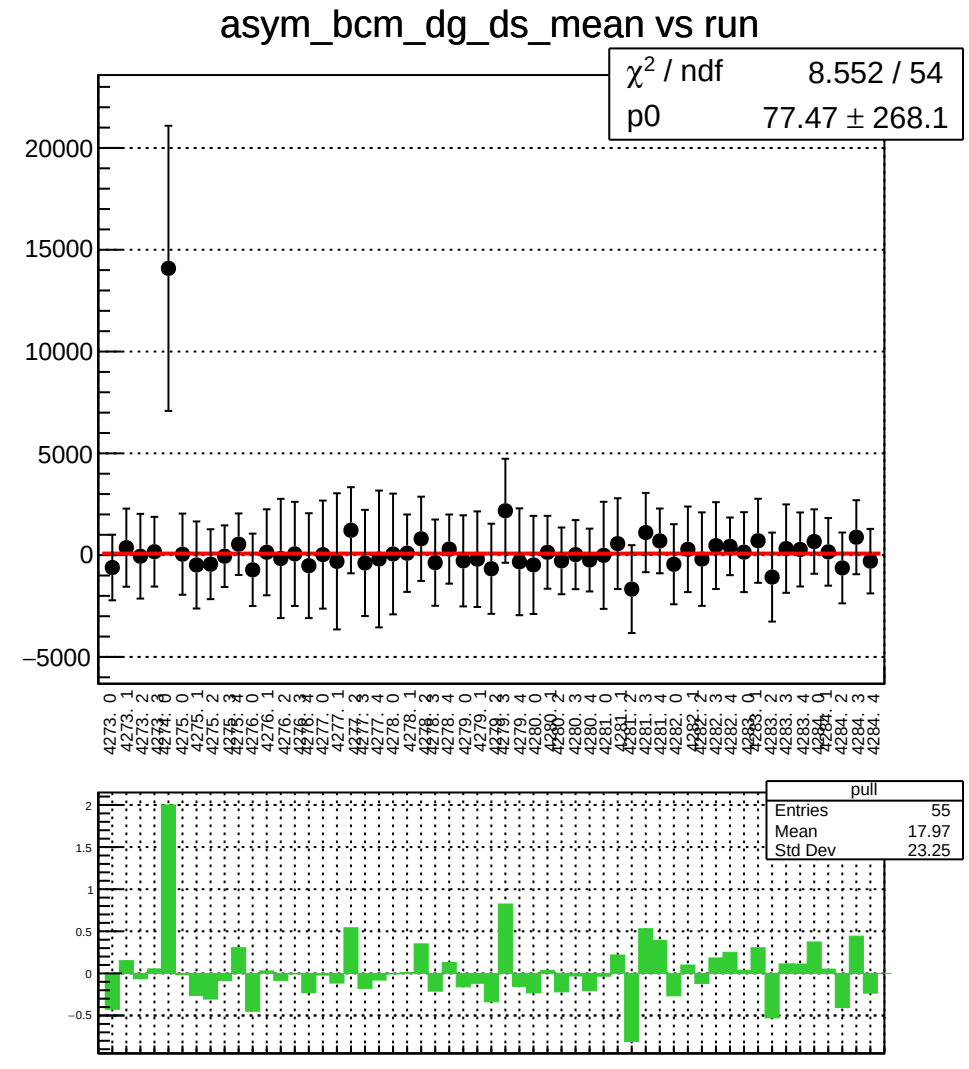
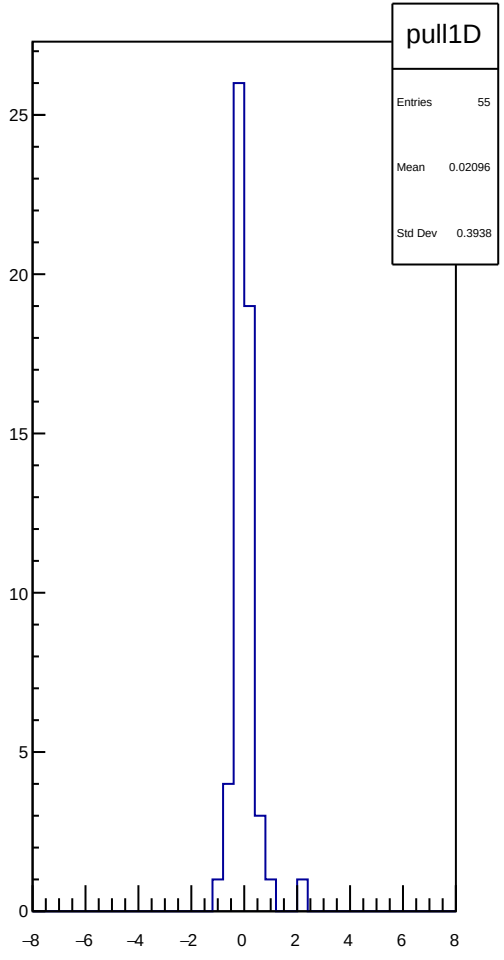
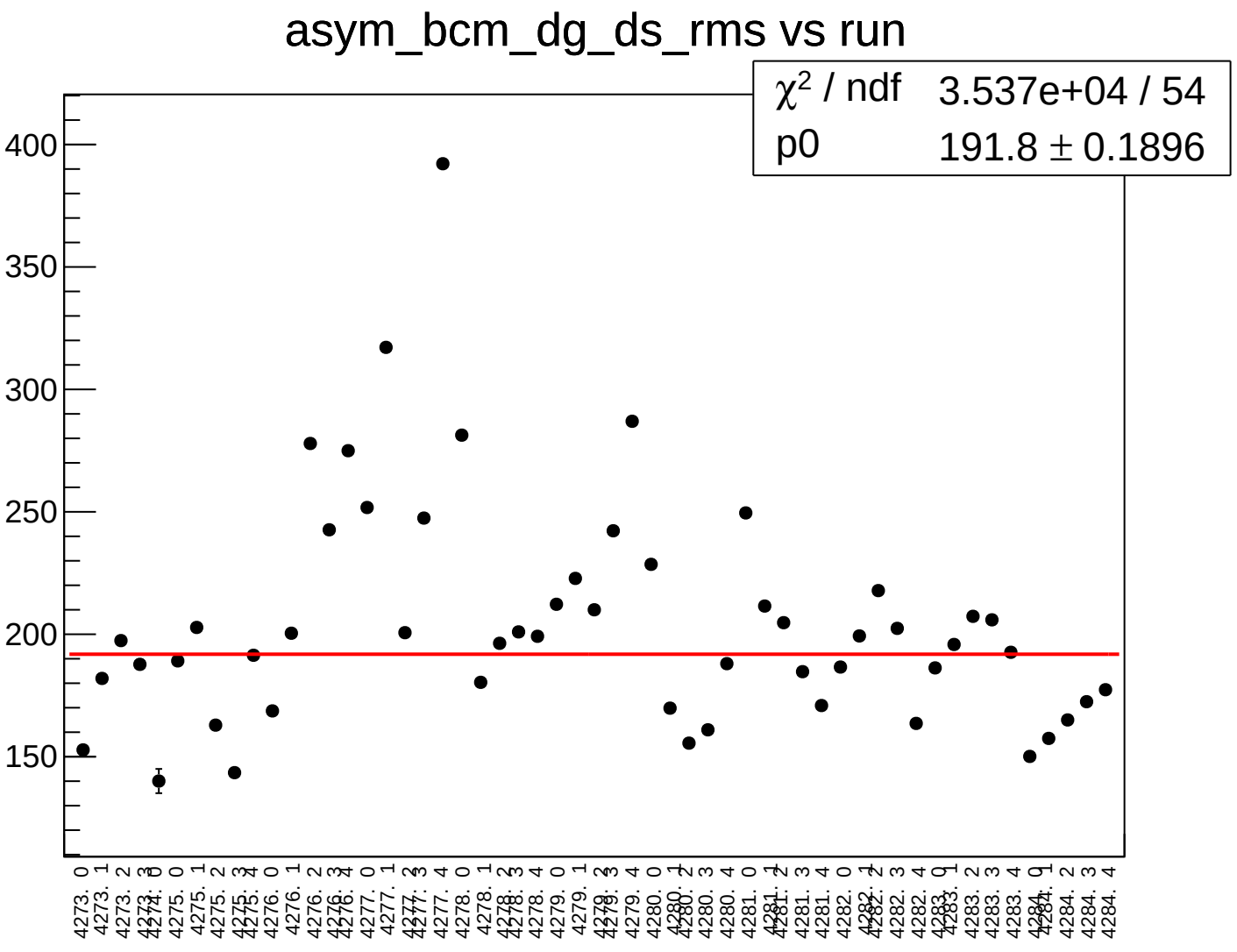
4284. 3
4284. 4


asym_bcm_dg_ds_mean vs run
χ² / ndf 8.552 / 54
p0 77.47 ± 268.1
20000
15000
10000
5000
0
−5000
pull
Entries 55
Mean 17.97
Std Dev 23.25
2
1.5
1
0.5
0
−0.5


pull1D
Entries 55
Mean 0.02096
Std Dev 0.3938
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_ds_rms vs run
χ² / ndf 3.537e+04 / 54
p0 191.8 ± 0.1896
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350
300
250
200
150
4273. 0
4273. 1
4273. 2
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4273. 4
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4278. 4
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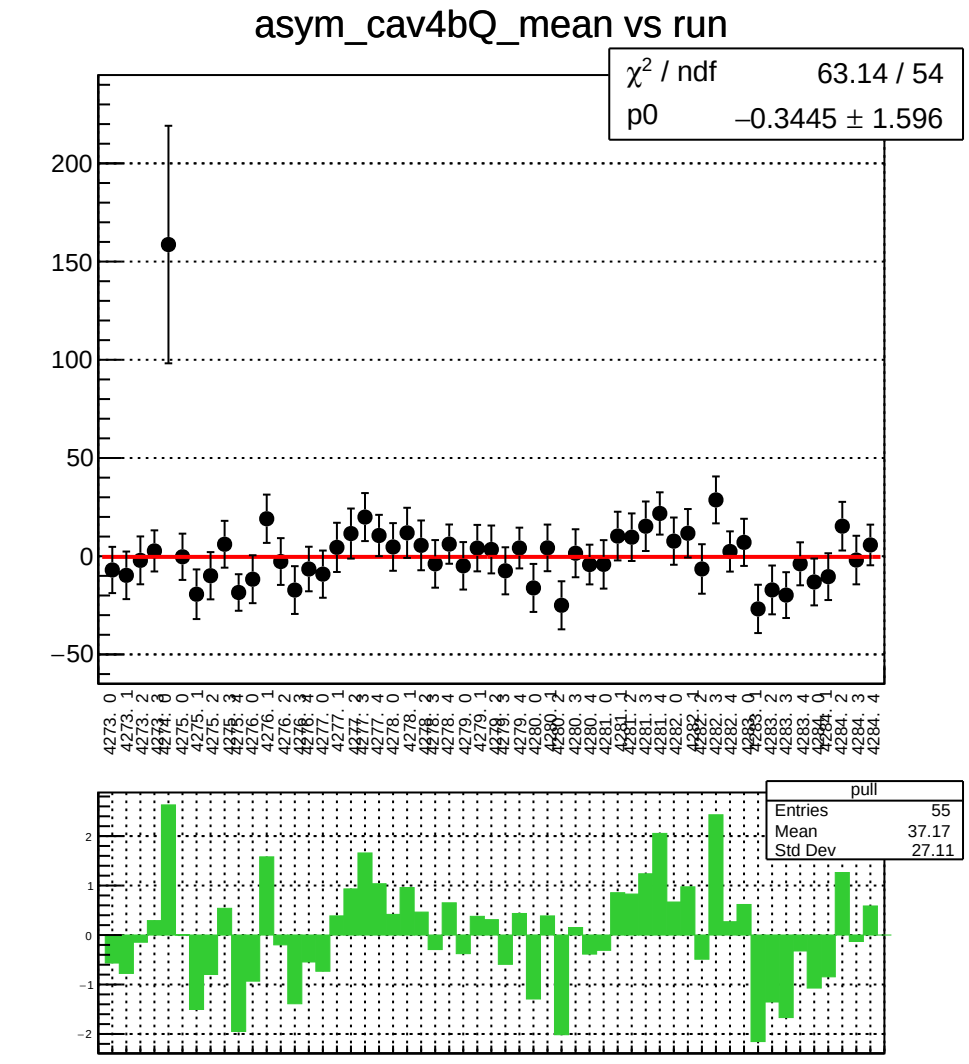
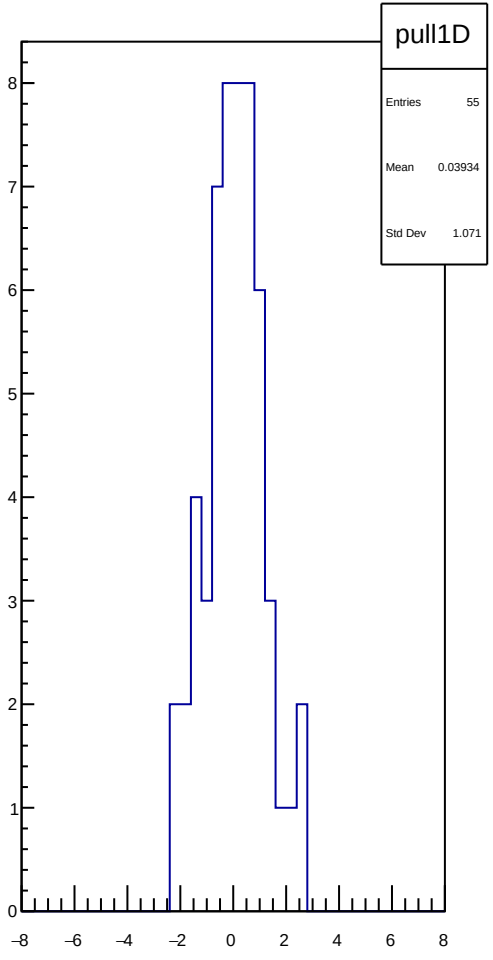
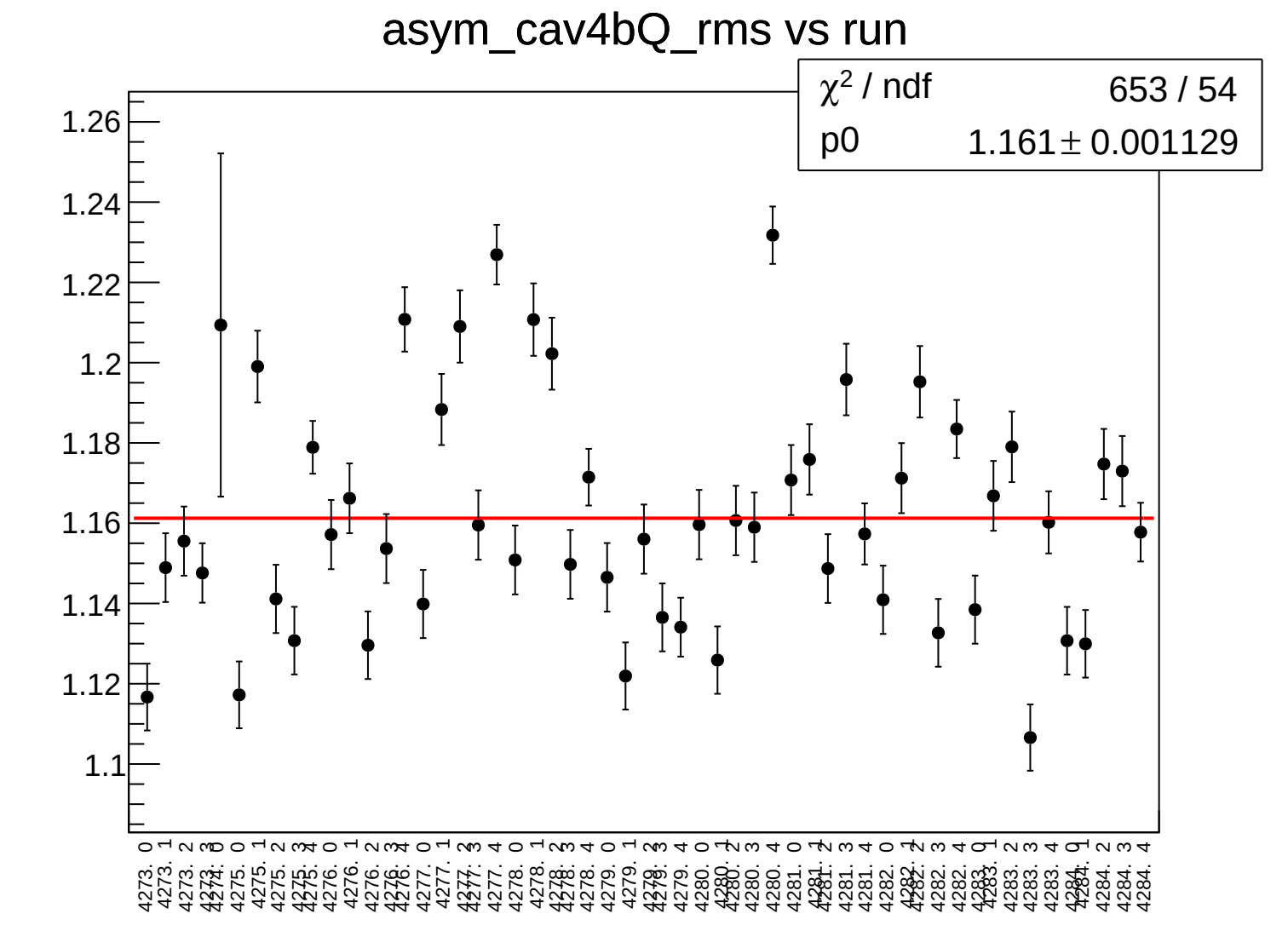
4284. 4


asym_cav4bQ_mean vs run
χ² / ndf 63.14 / 54
p0 −0.3445 ± 1.596
pull
Entries 55
Mean 37.17
Std Dev 27.11


pull1D
Entries 55
Mean 0.03934
Std Dev 1.071


asym_cav4bQ_rms vs run
χ² / ndf 653 / 54
p0 1.161 ± 0.001129
1.26
1.24
1.22
1.2
1.18
1.16
1.14
1.12
1.1
4273. 0
4273. 1
4273. 2
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4274. 0
4275. 0
4275. 1
4275. 2
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4275. 4
4276. 0
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4278. 0
4278. 1
4278. 2
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4278. 4
4279. 0
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4279. 2
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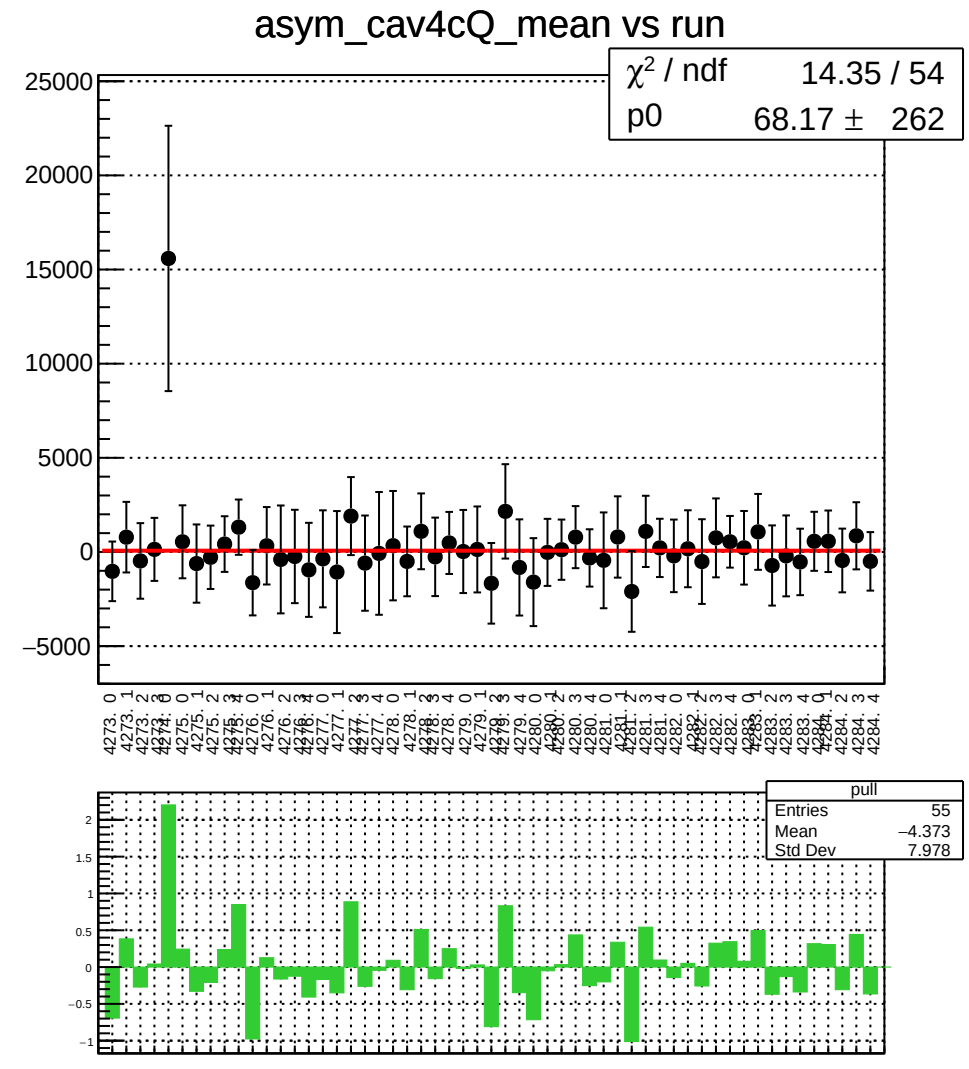
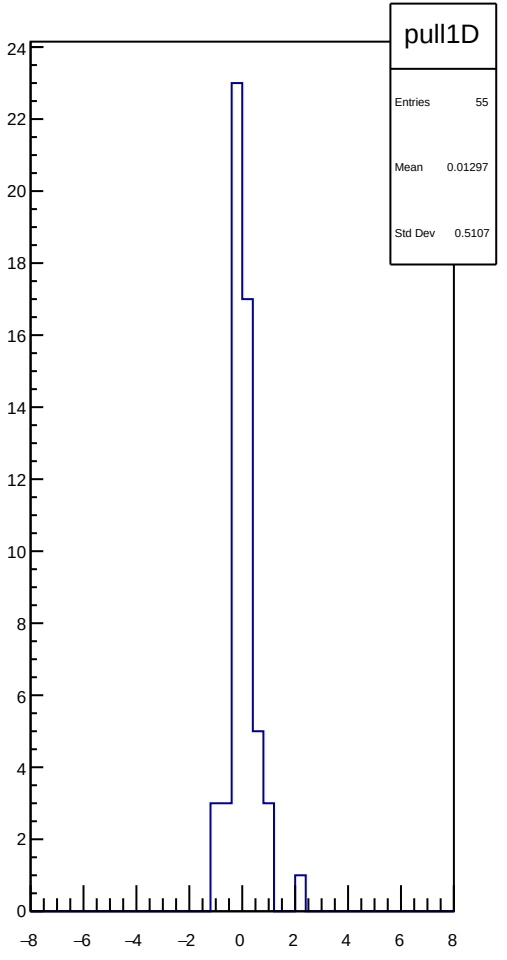
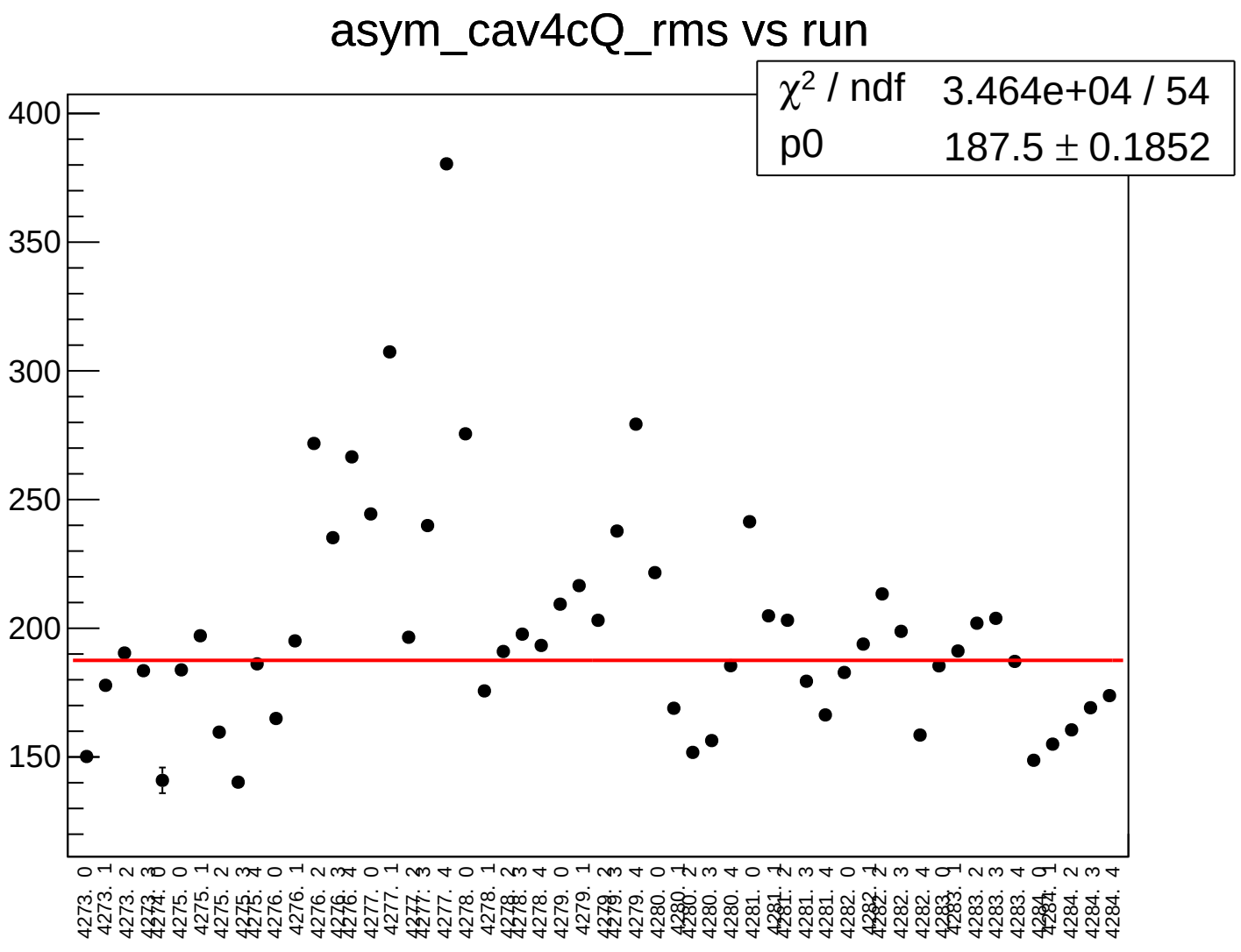
4284. 4


asym_cav4cQ_mean vs run
χ² / ndf 14.35 / 54
p0 68.17 ± 262
pull
Entries 55
Mean −4.373
Std Dev 7.978


pull1D
Entries 55
Mean 0.01297
Std Dev 0.5107


asym_cav4cQ_rms vs run
χ² / ndf 3.464e+04 / 54
p0 187.5 ± 0.1852
400
350
300
250
200
150
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4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
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4275. 2
4275. 3
4275. 4
4276. 0
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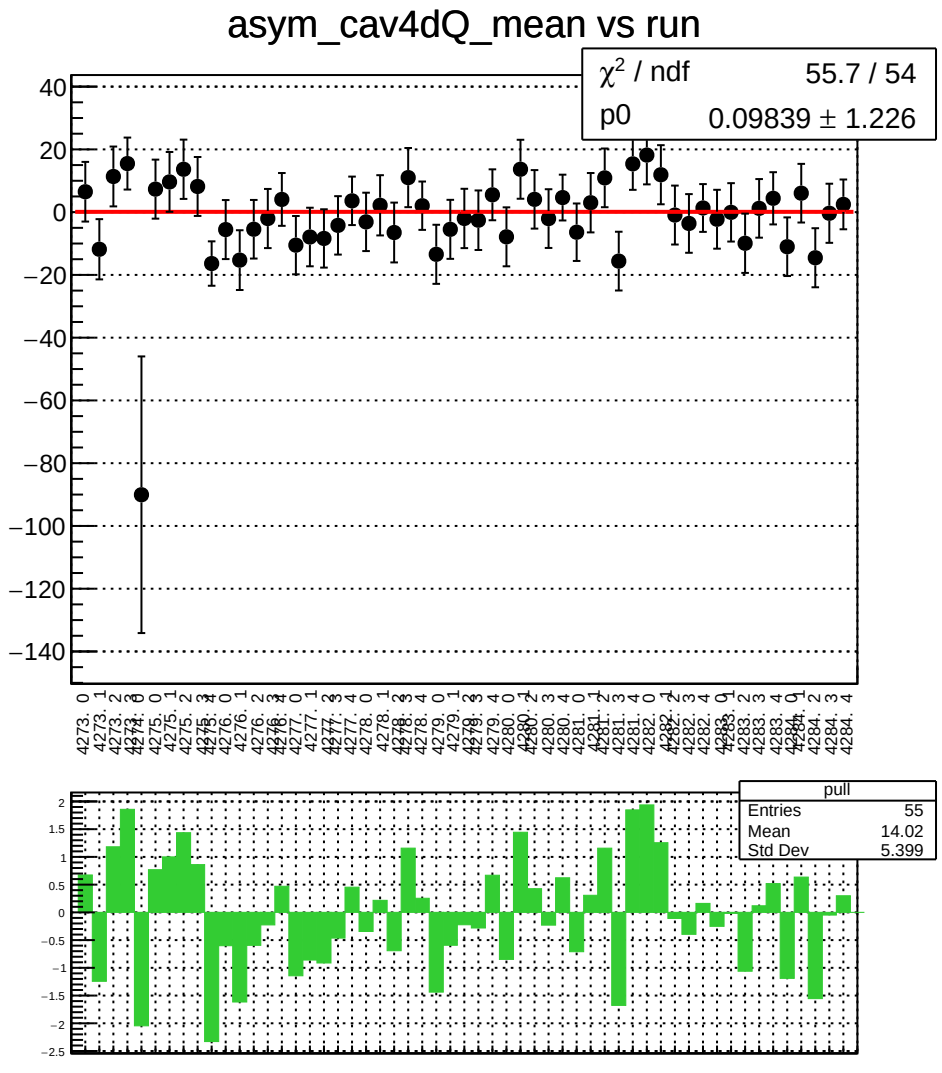
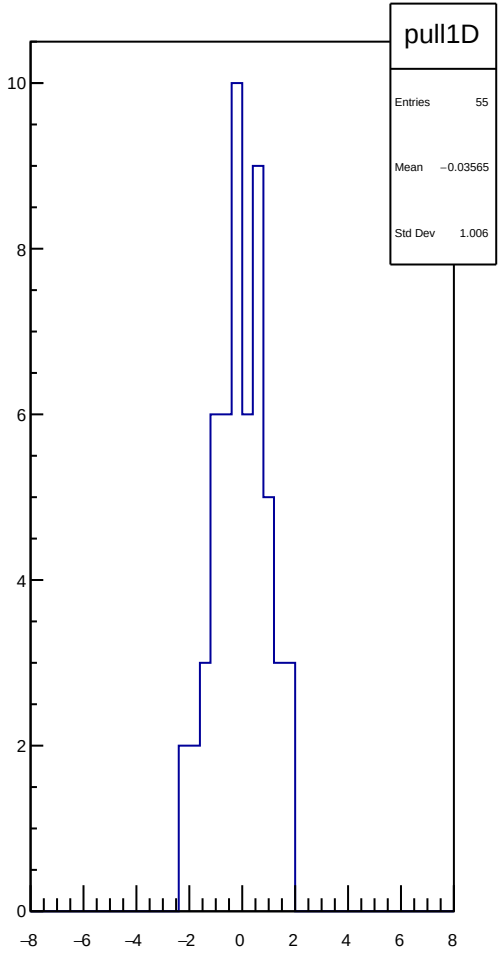
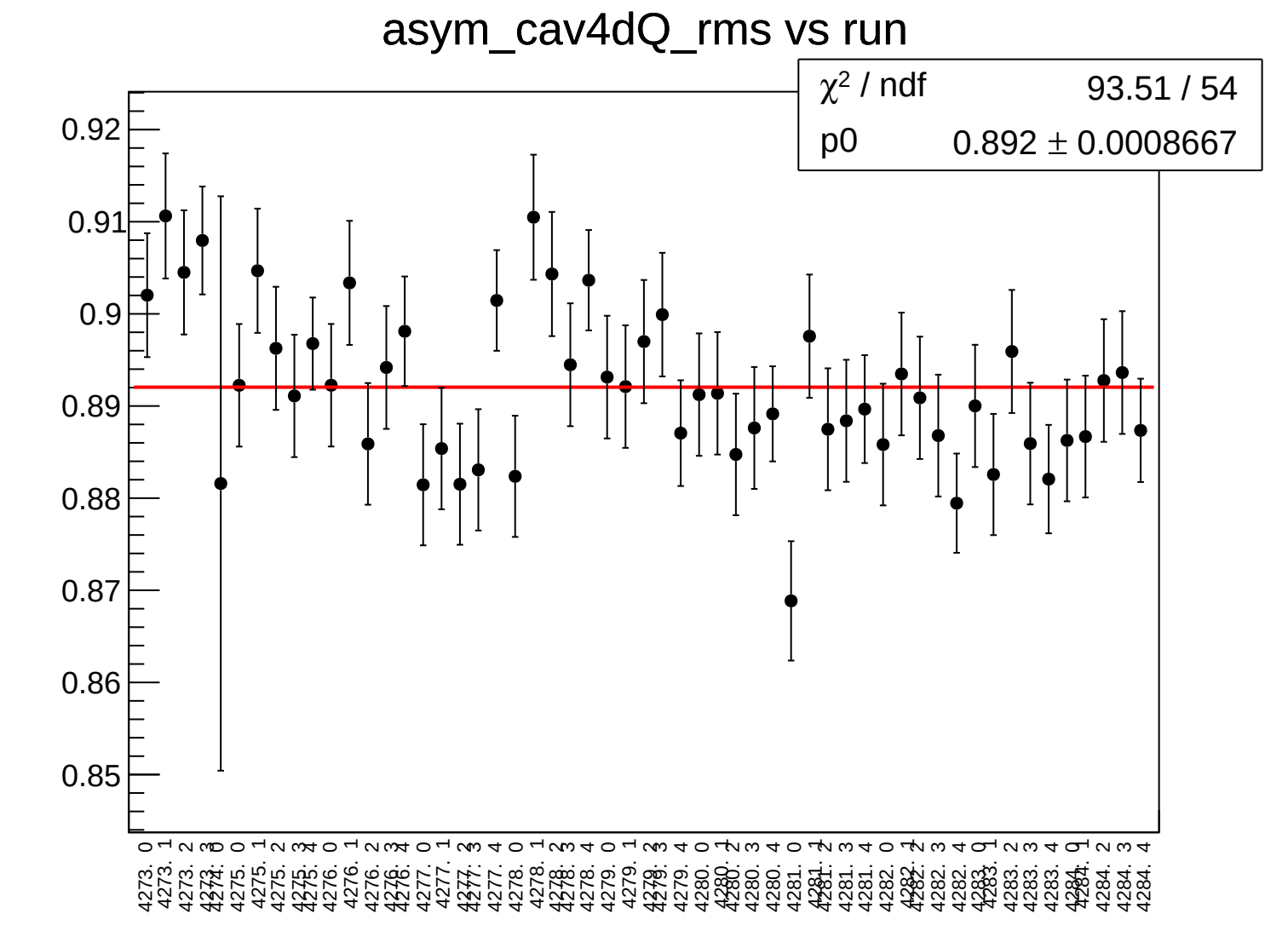

asym_cav4dQ_mean vs run
χ² / ndf 55.7 / 54
p0 0.09839 ± 1.226
pull
Entries 55
Mean 14.02
Std Dev 5.399


pull1D
Entries 55
Mean −0.03565
Std Dev 1.006


asym_cav4dQ_rms vs run
χ² / ndf 93.51 / 54
p0 0.892 ± 0.0008667
0.92
0.91
0.9
0.89
0.88
0.87
0.86
0.85
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4273. 2
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4273. 4
4274. 0
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4275. 2
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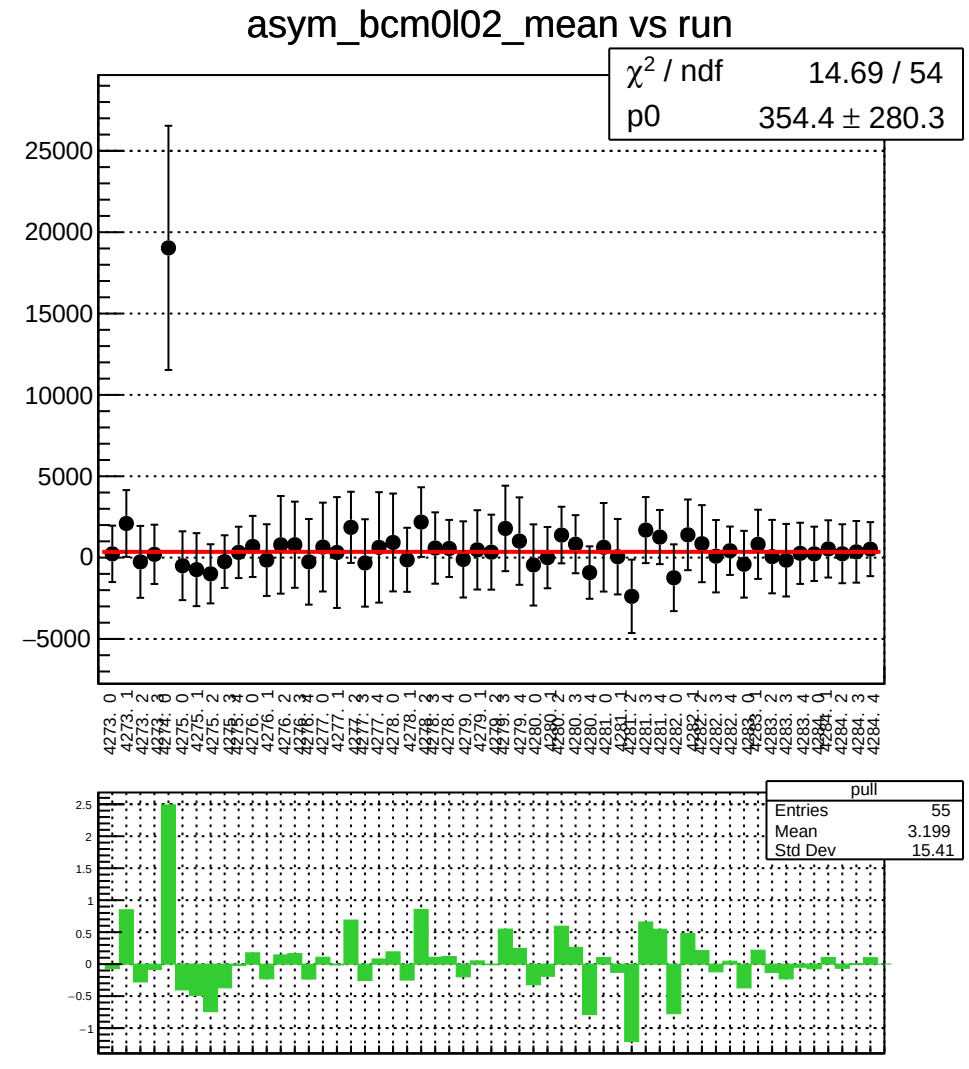
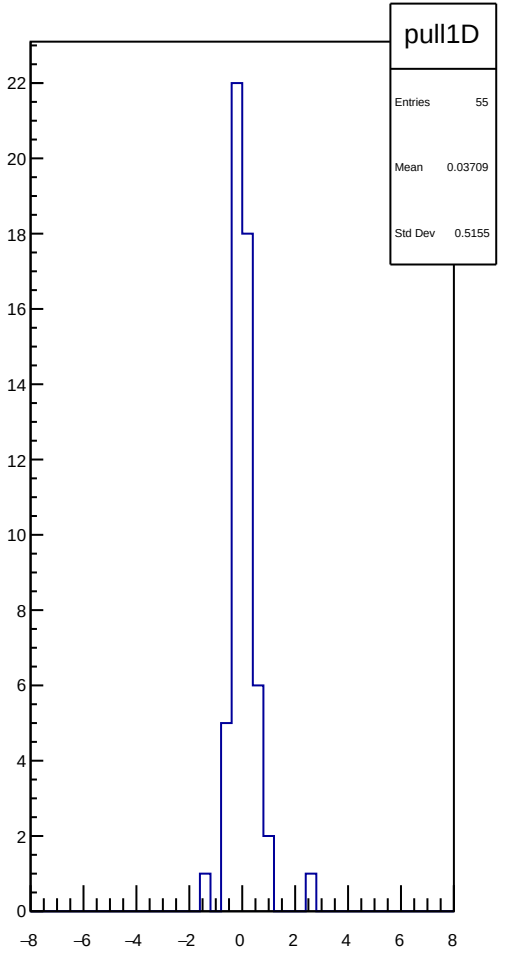
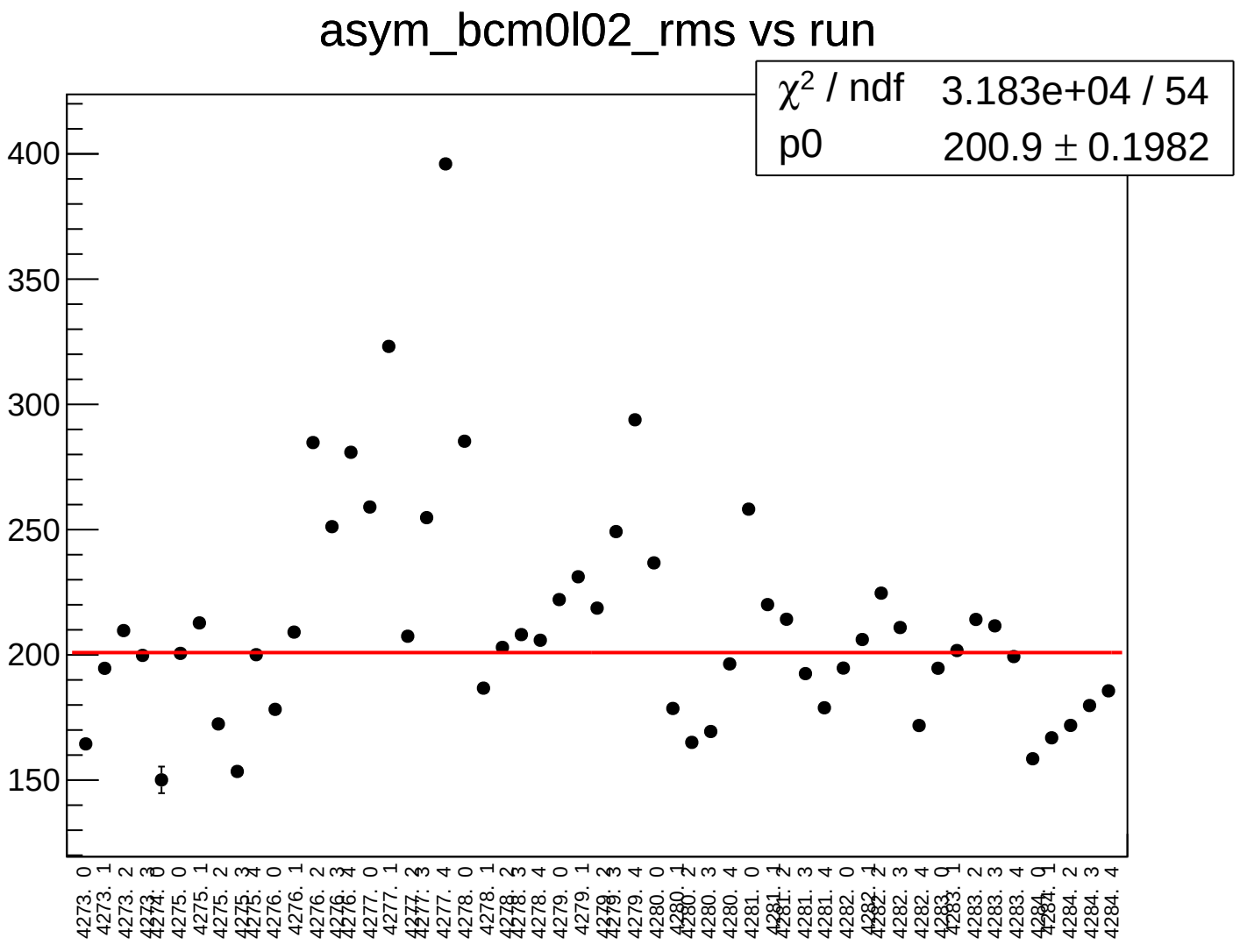

asym_bcm0l02_mean vs run
χ² / ndf 14.69 / 54
p0 354.4 ± 280.3
pull
Entries 55
Mean 3.199
Std Dev 15.41


pull1D
Entries 55
Mean 0.03709
Std Dev 0.5155


asym_bcm0l02_rms vs run
χ² / ndf 3.183e+04 / 54
p0 200.9 ± 0.1982
400
350
300
250
200
150
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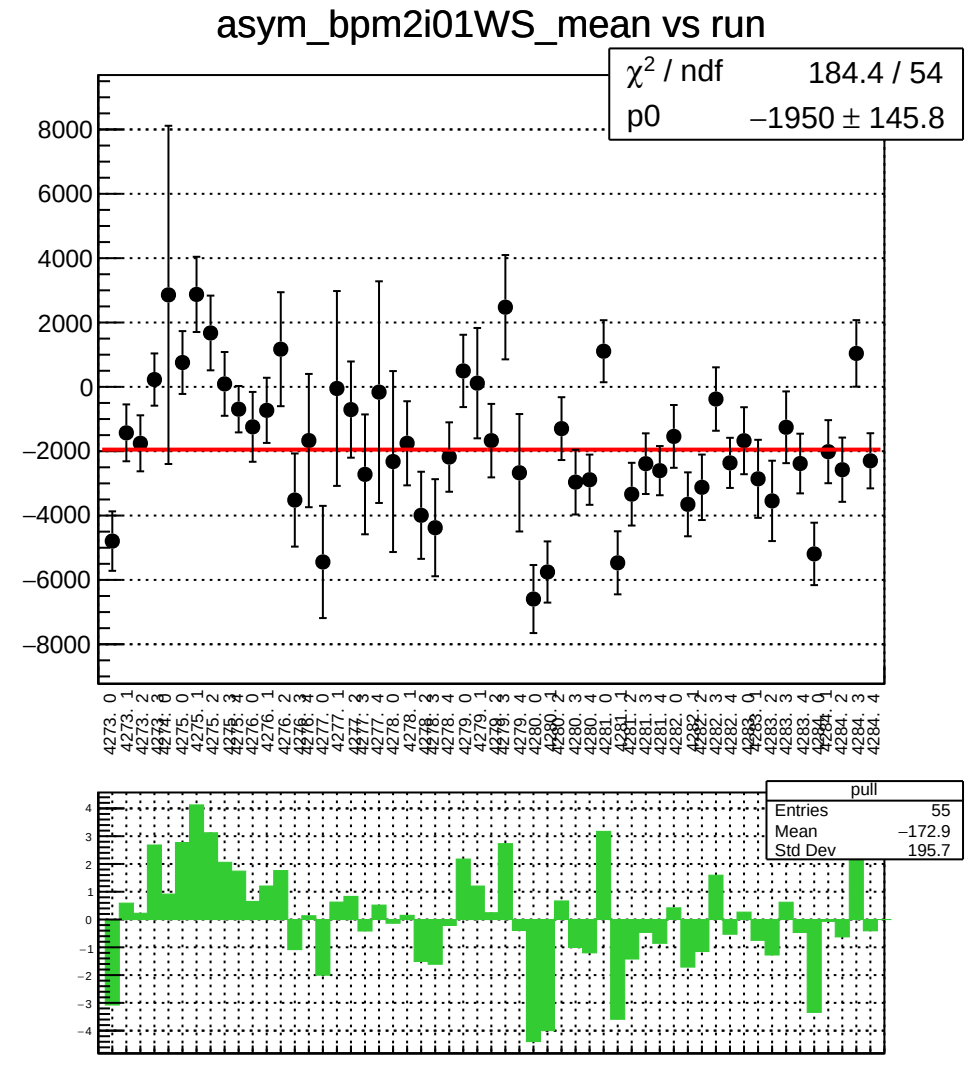
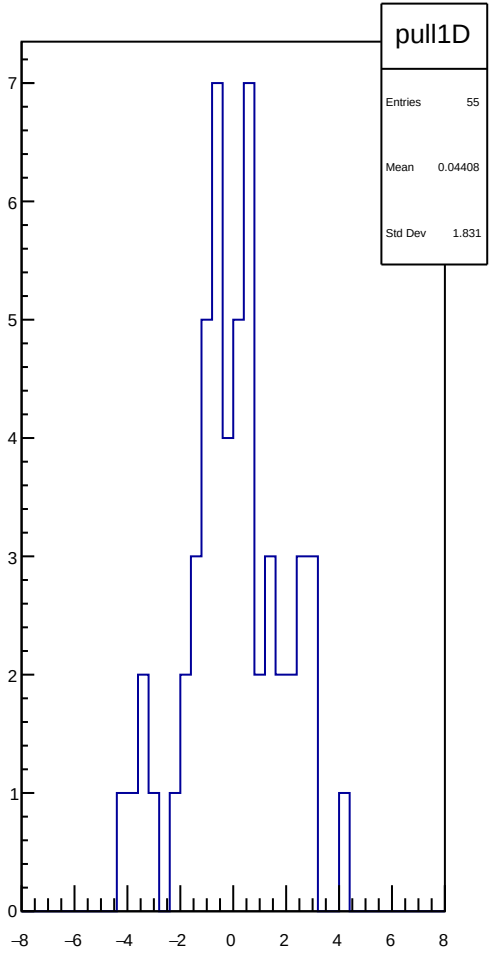
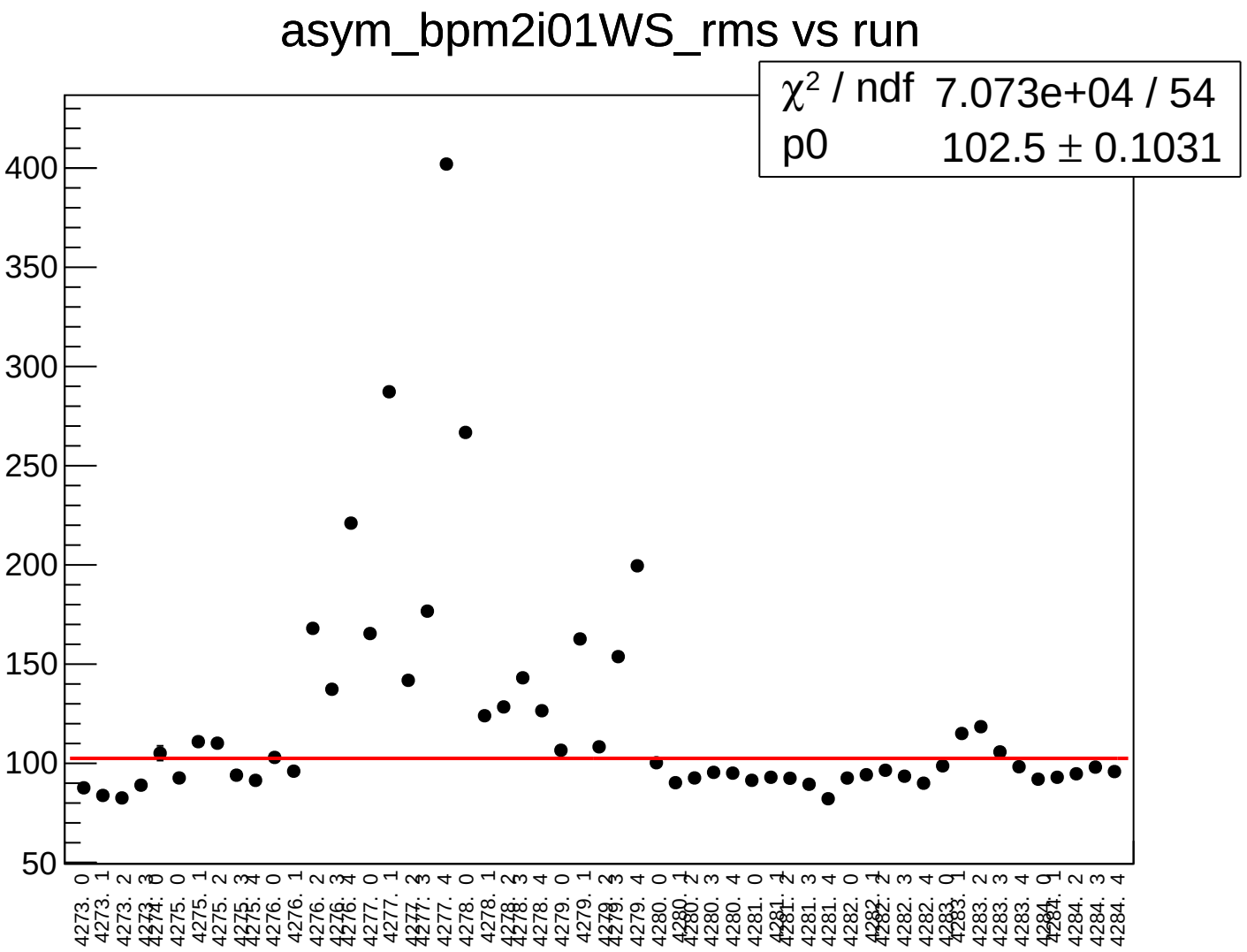

asym_bpm2i01WS_mean vs run
χ² / ndf 184.4 / 54
p0 −1950 ± 145.8
pull
Entries 55
Mean −172.9
Std Dev 195.7


pull1D
Entries 55
Mean 0.04408
Std Dev 1.831


asym_bpm2i01WS_rms vs run
χ² / ndf 7.073e+04 / 54
p0 102.5 ± 0.1031
400
350
300
250
200
150
100
50
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4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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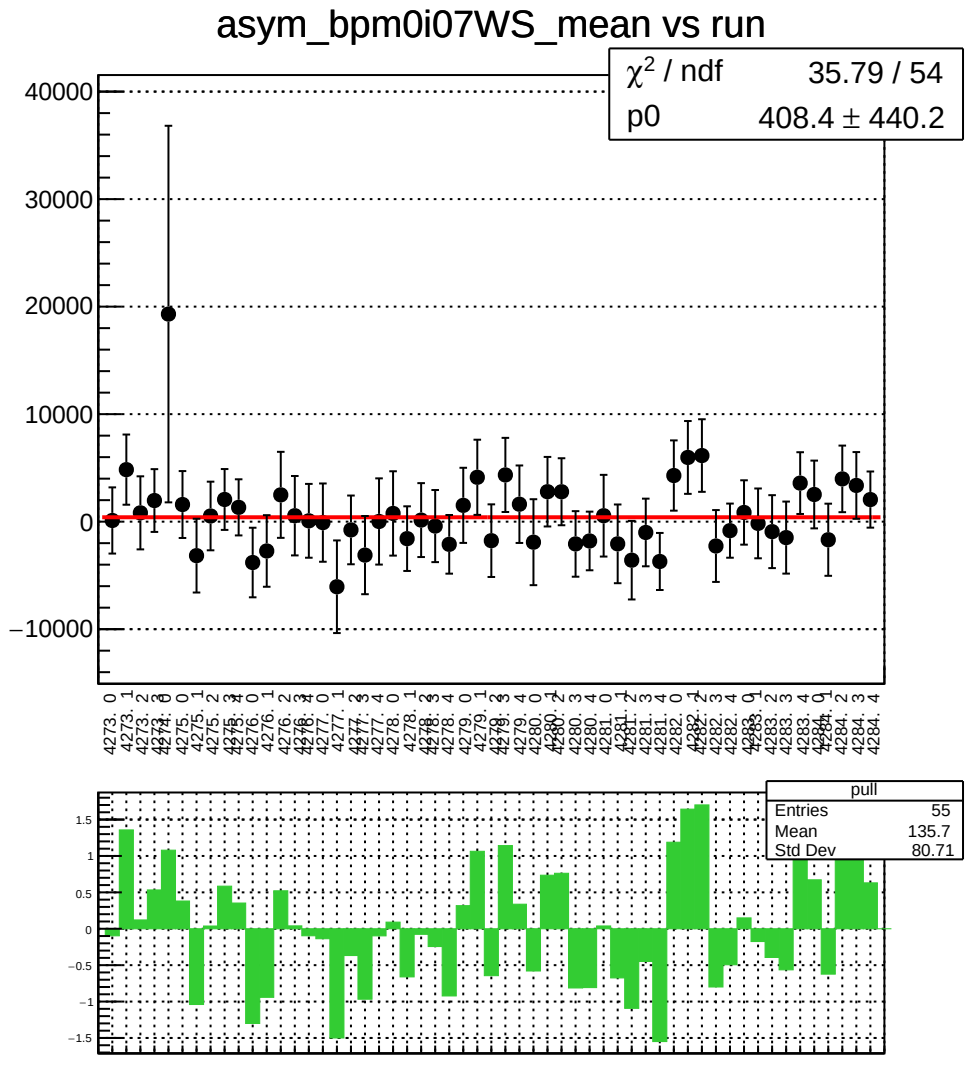
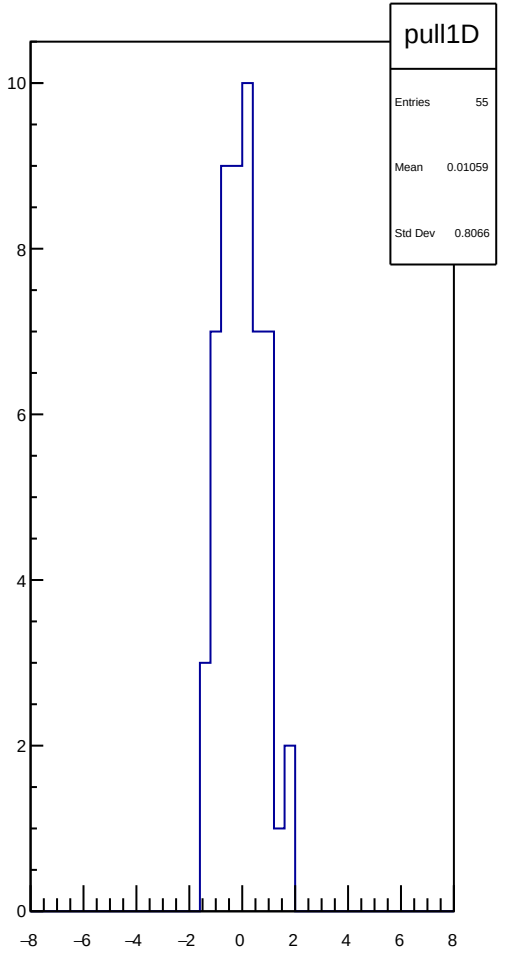
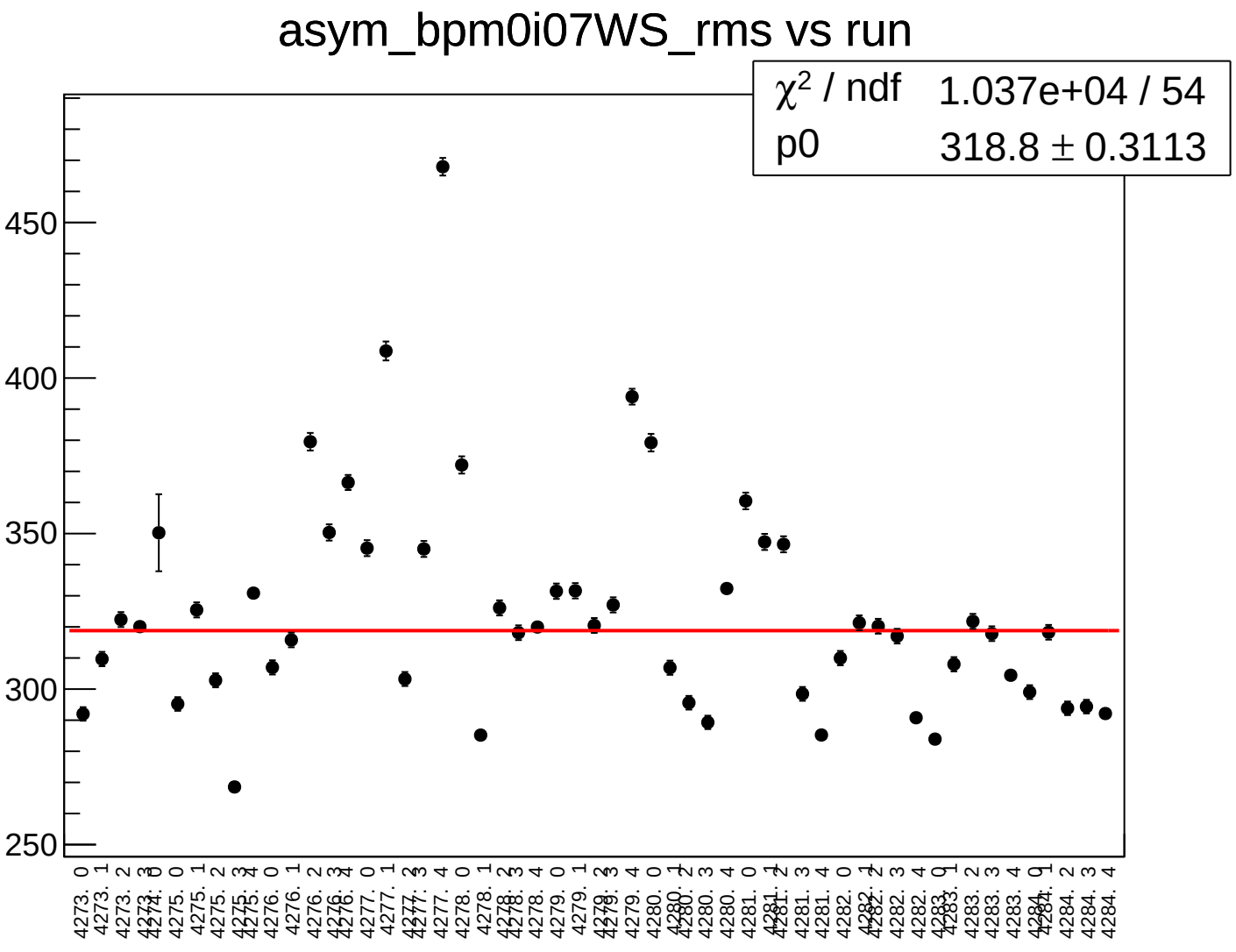
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_bpm0i07WS_mean vs run
χ² / ndf 35.79 / 54
p0 408.4 ± 440.2
40000
30000
20000
10000
0
−10000
pull
Entries 55
Mean 135.7
Std Dev 80.71
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 55
Mean 0.01059
Std Dev 0.8066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0i07WS_rms vs run
χ² / ndf 1.037e+04 / 54
p0 318.8 ± 0.3113
450
400
350
300
250
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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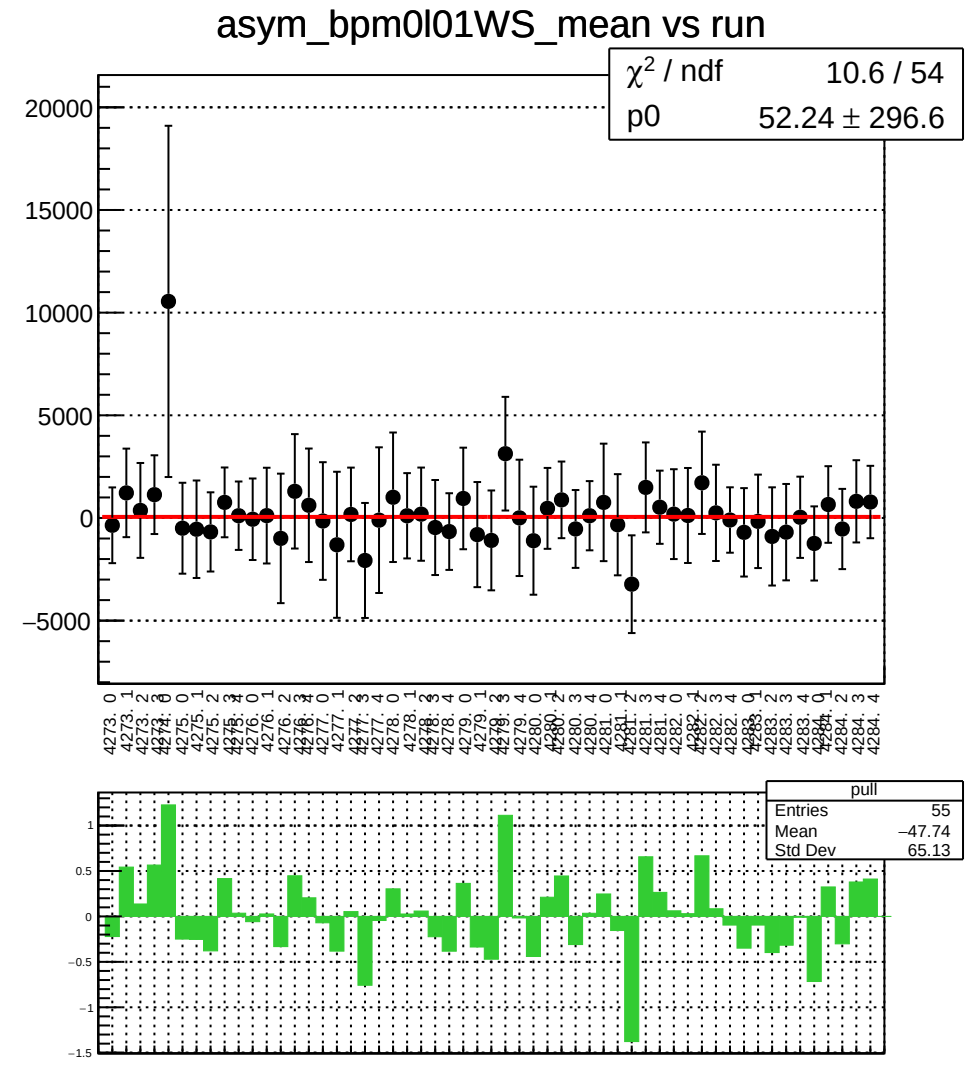
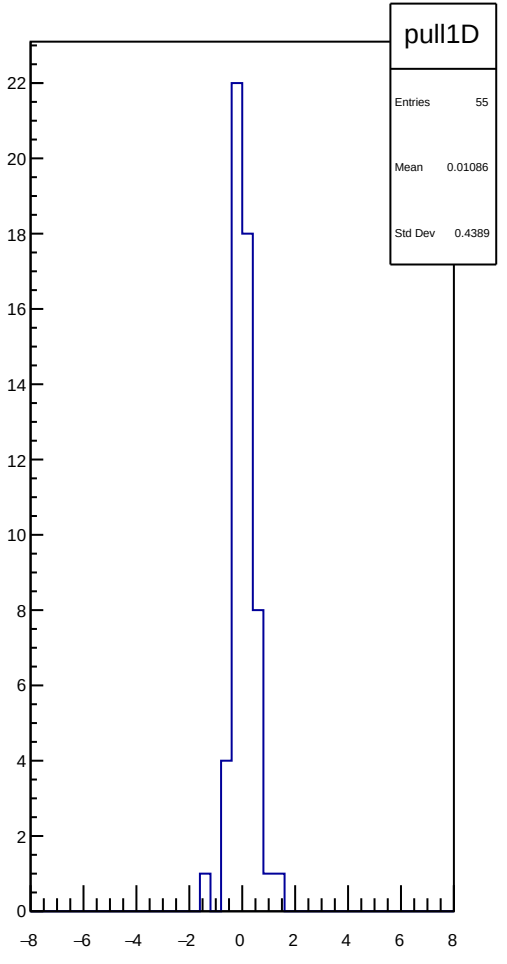
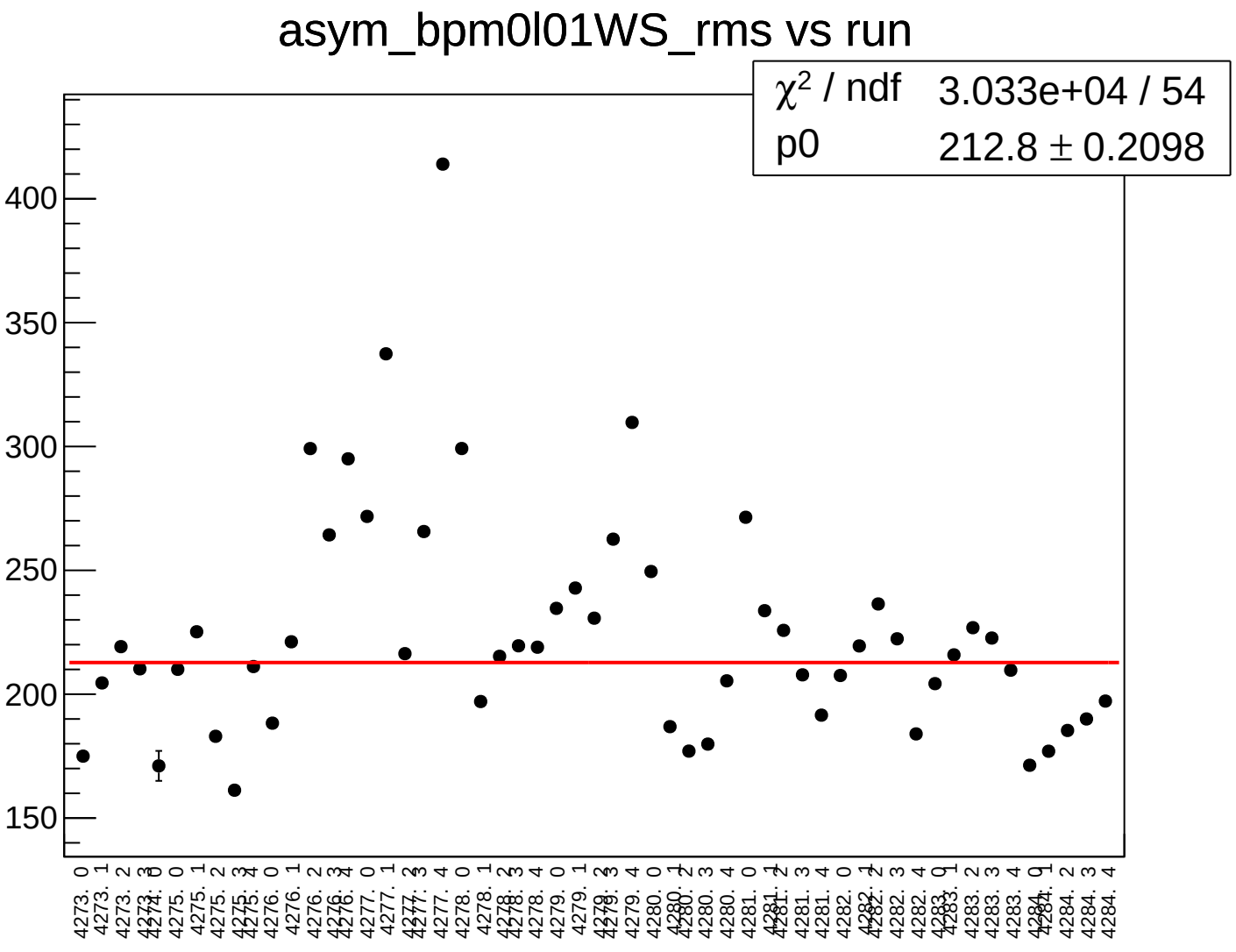
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_bpm0l01WS_mean vs run
χ² / ndf 10.6 / 54
p0 52.24 ± 296.6
pull
Entries 55
Mean −47.74
Std Dev 65.13


pull1D
Entries 55
Mean 0.01086
Std Dev 0.4389


asym_bpm0l01WS_rms vs run
χ² / ndf 3.033e+04 / 54
p0 212.8 ± 0.2098
400
350
300
250
200
150
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
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4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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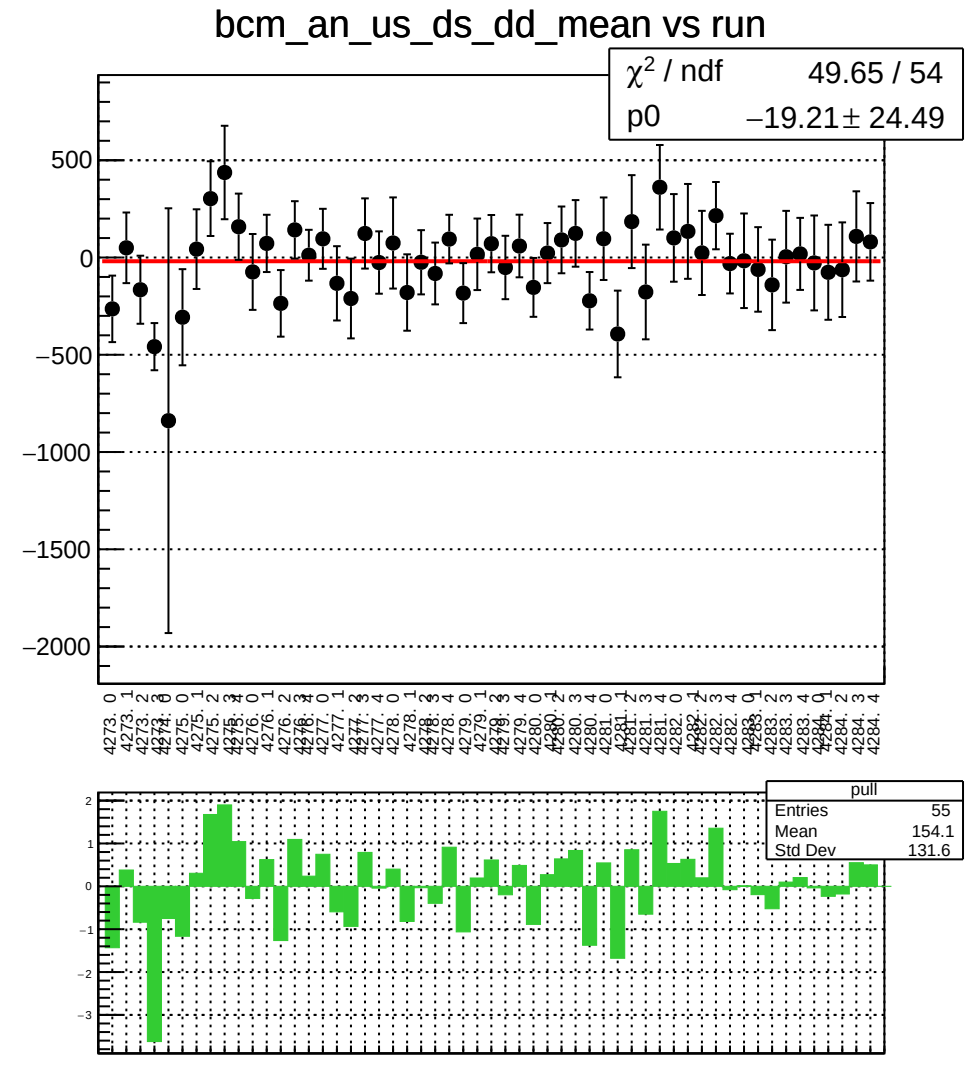
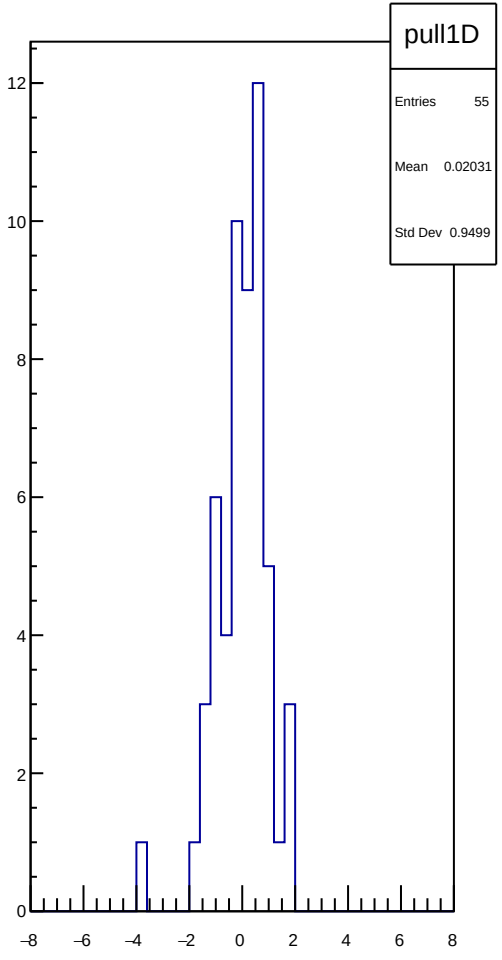
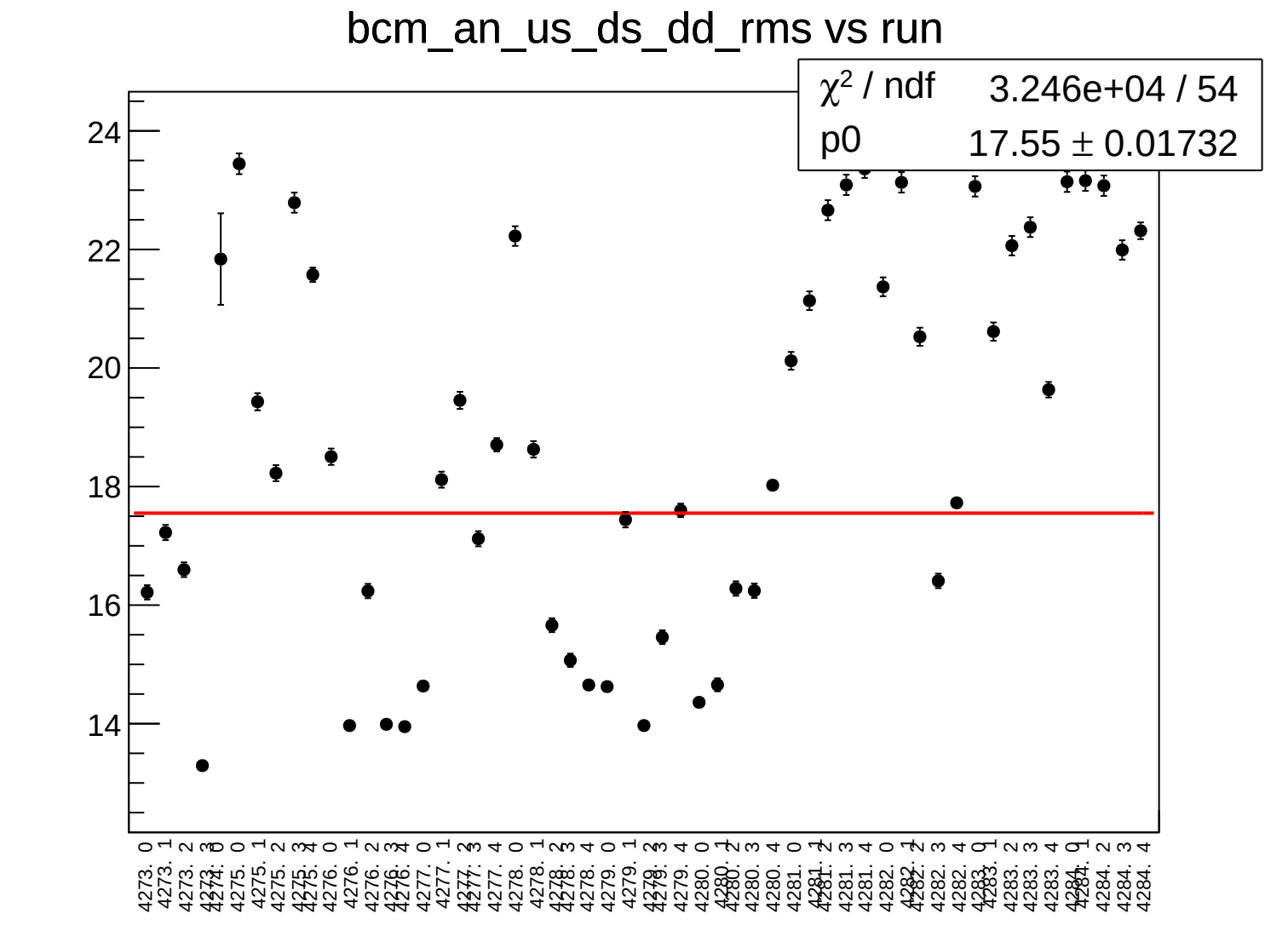
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


bcm_an_us_ds_dd_mean vs run
χ² / ndf 49.65 / 54
p0 −19.21± 24.49
pull
Entries 55
Mean 154.1
Std Dev 131.6


pull1D
Entries 55
Mean 0.02031
Std Dev 0.9499


bcm_an_us_ds_dd_rms vs run
χ² / ndf 3.246e+04 / 54
p0 17.55 ± 0.01732
24
22
20
18
16
14
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
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4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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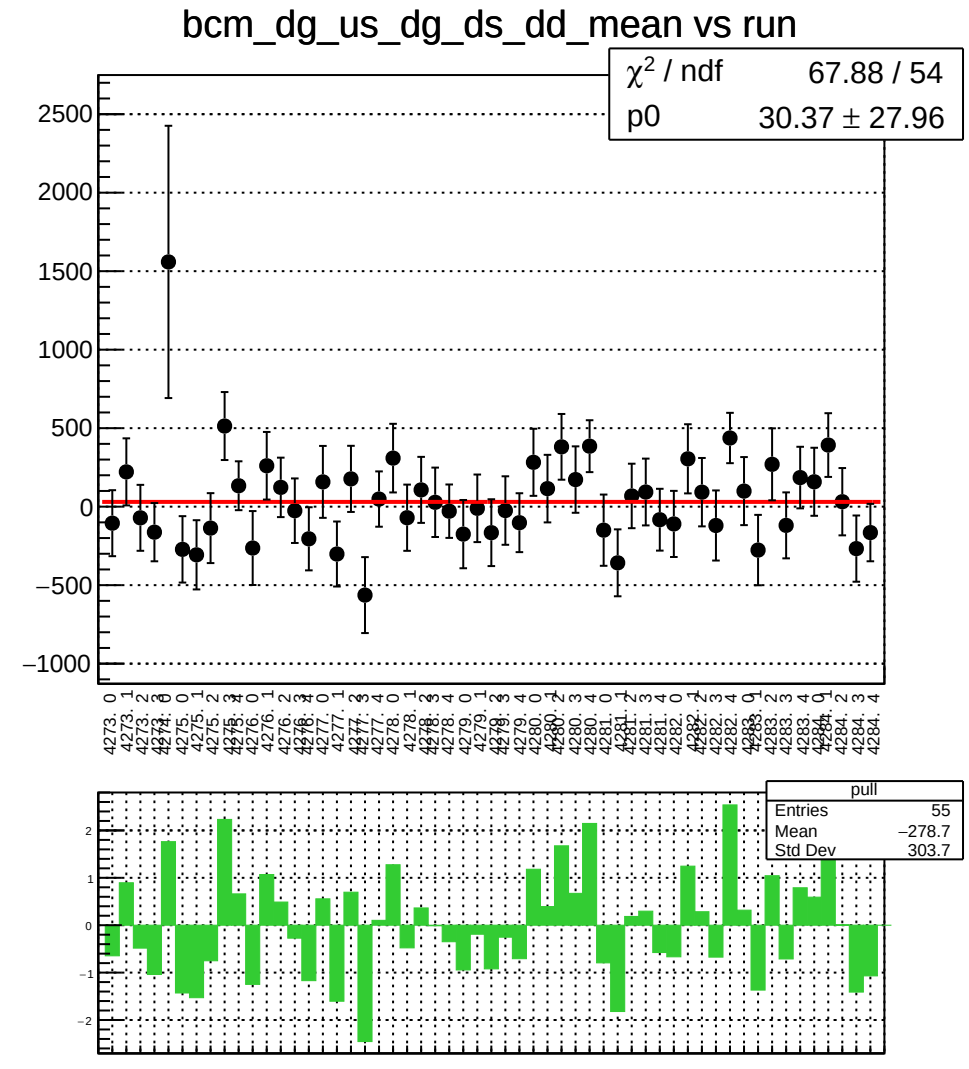
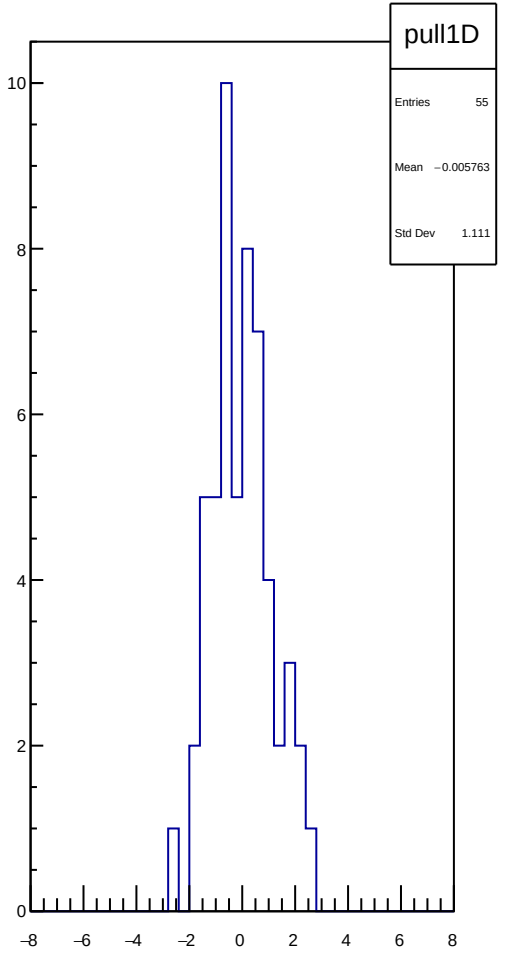
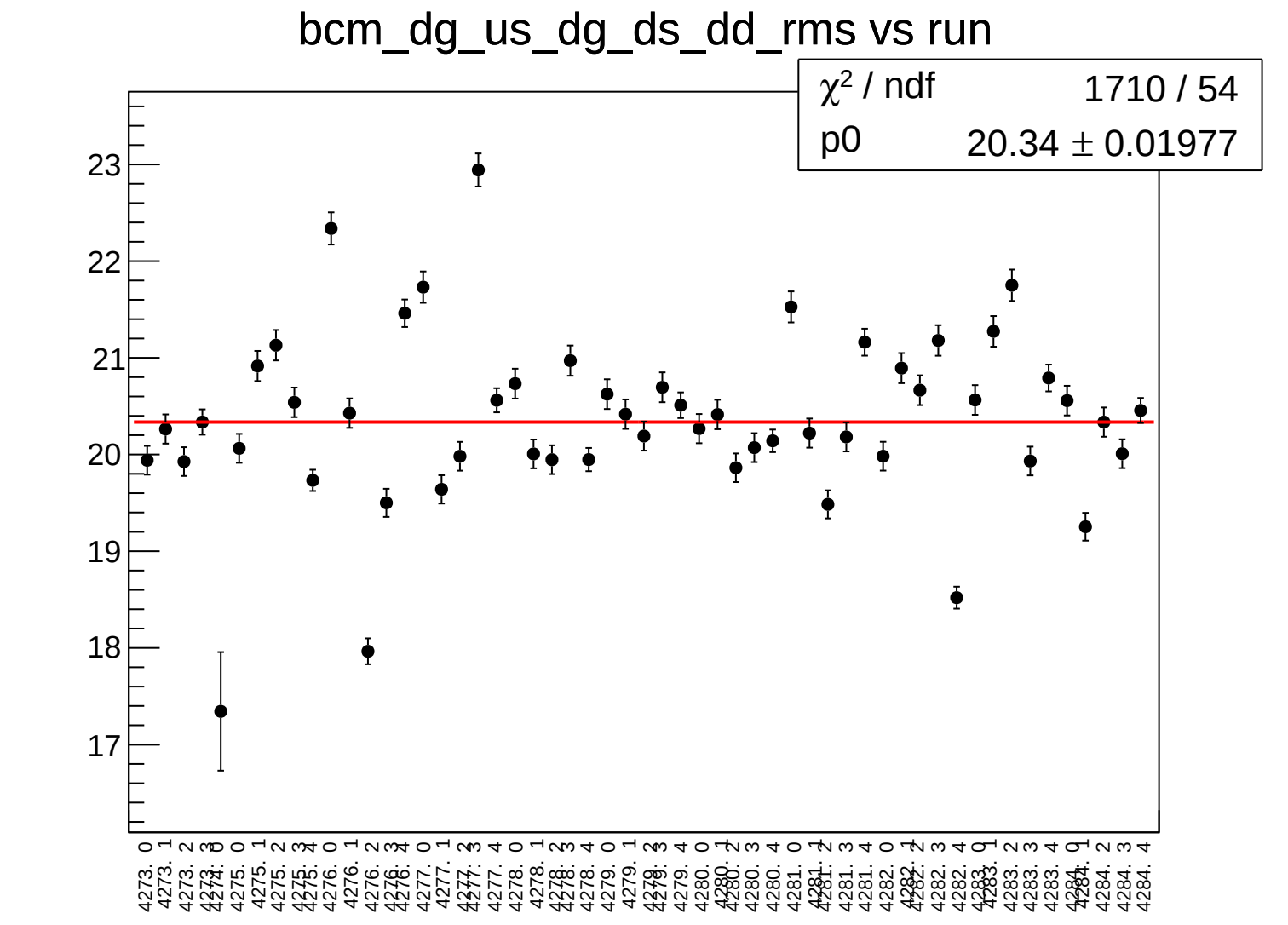
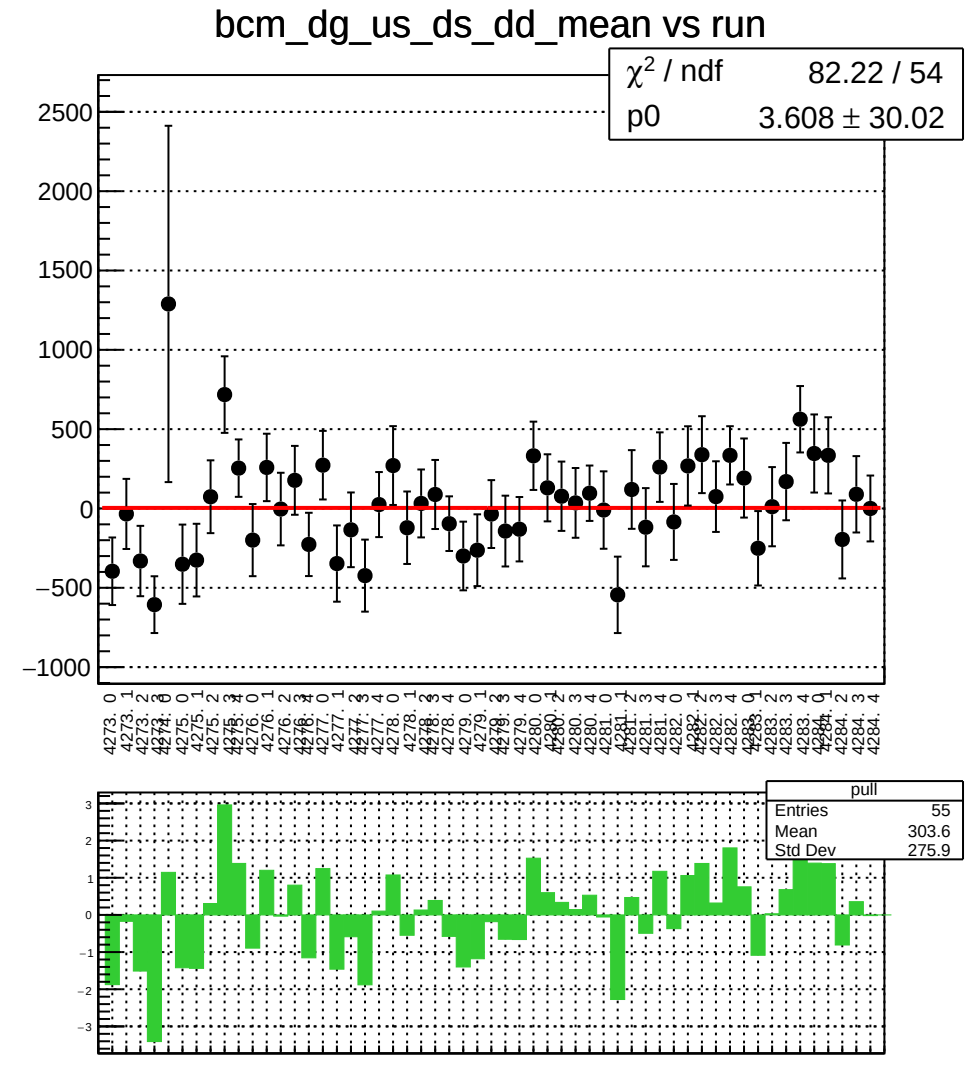
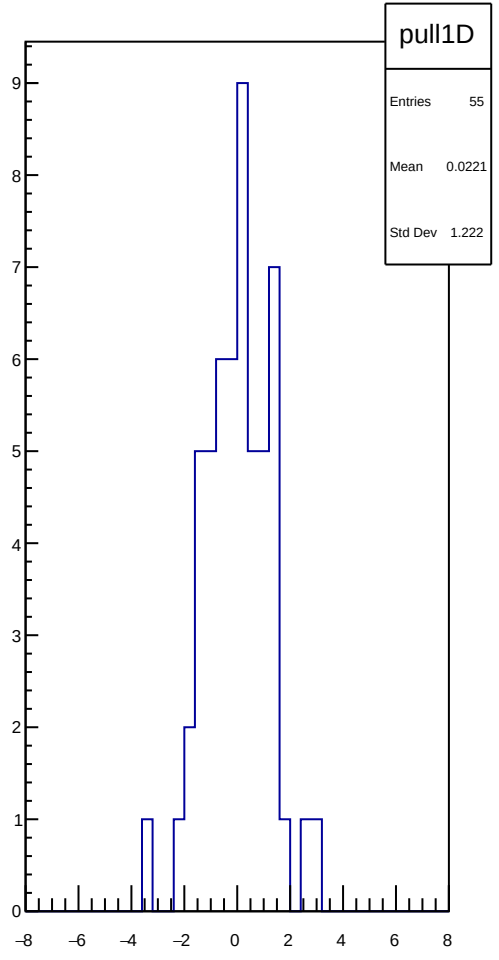
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

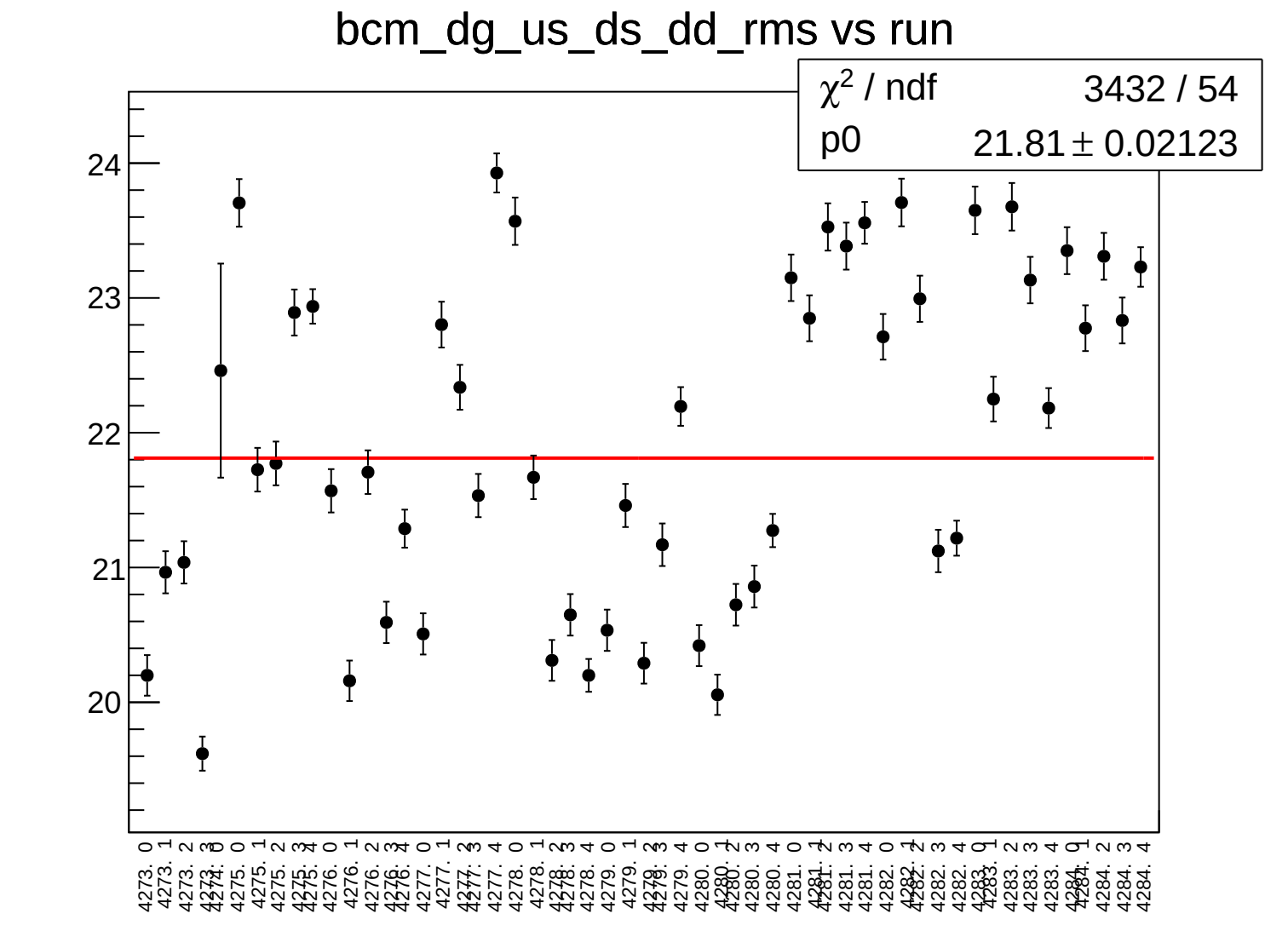

bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 67.88 / 54
p0 30.37 ± 27.96
pull
Entries 55
Mean −278.7
Std Dev 303.7


pull1D
Entries 55
Mean −0.005763
Std Dev 1.111


bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1710 / 54
p0 20.34 ± 0.01977
23
22
21
20
19
18
17
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


bcm_dg_us_ds_dd_mean vs run
χ² / ndf 82.22 / 54
p0 3.608 ± 30.02
pull
Entries 55
Mean 303.6
Std Dev 275.9


pull1D
Entries 55
Mean 0.0221
Std Dev 1.222


bcm_dg_us_ds_dd_rms vs run
χ² / ndf 3432 / 54
p0 21.81 ± 0.02123
24
23
22
21
20
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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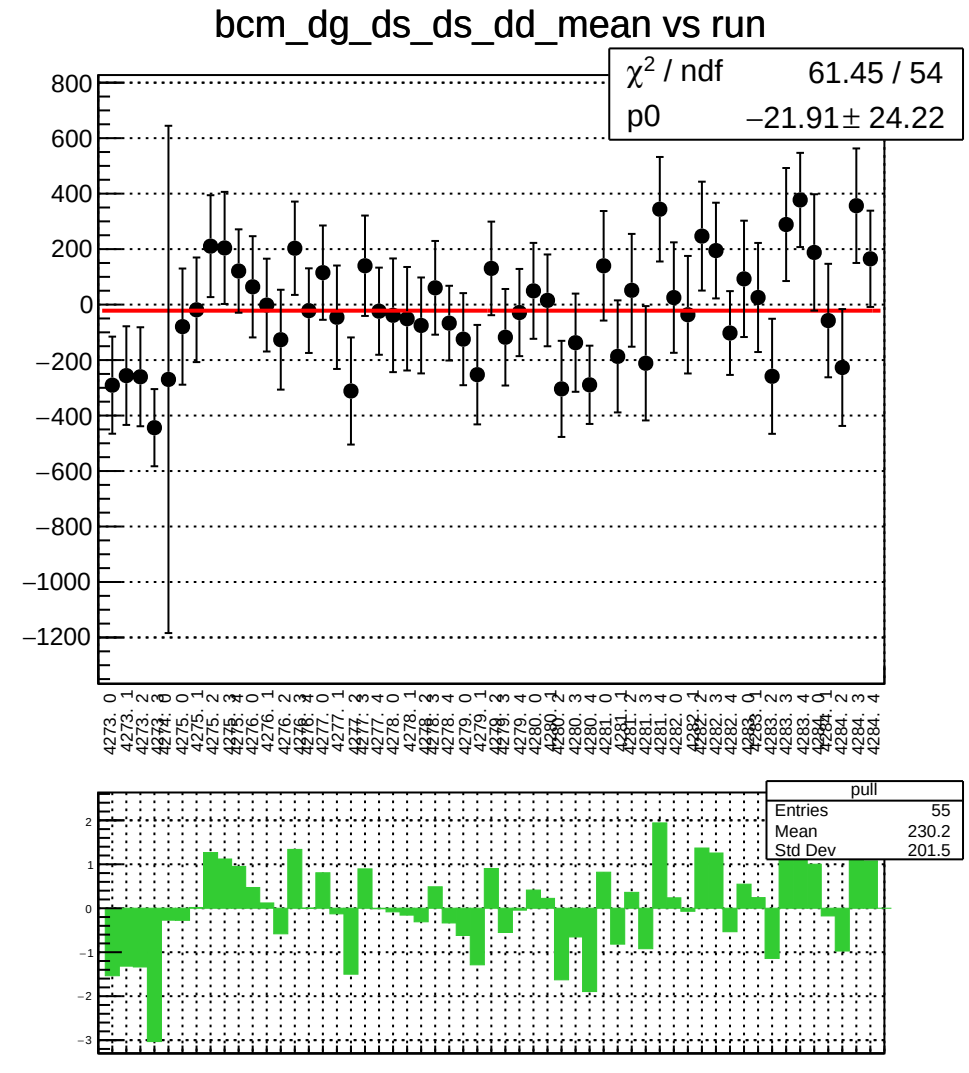
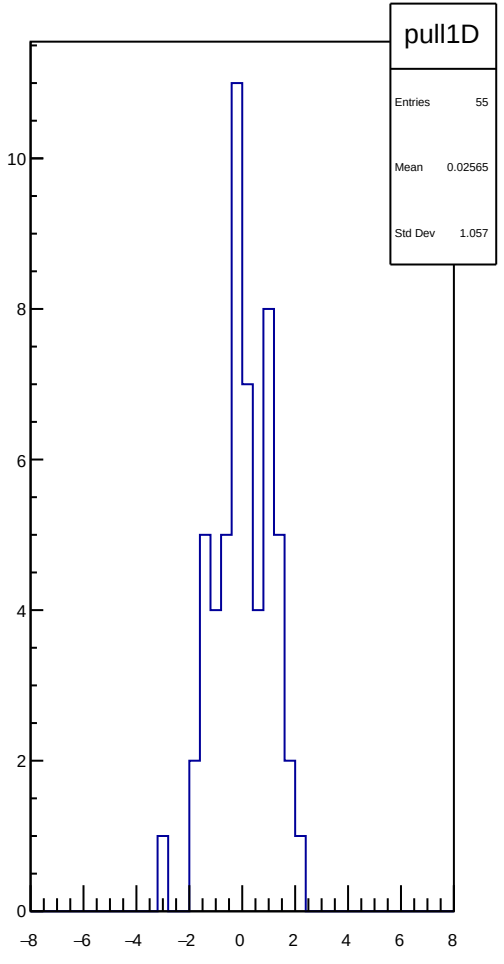
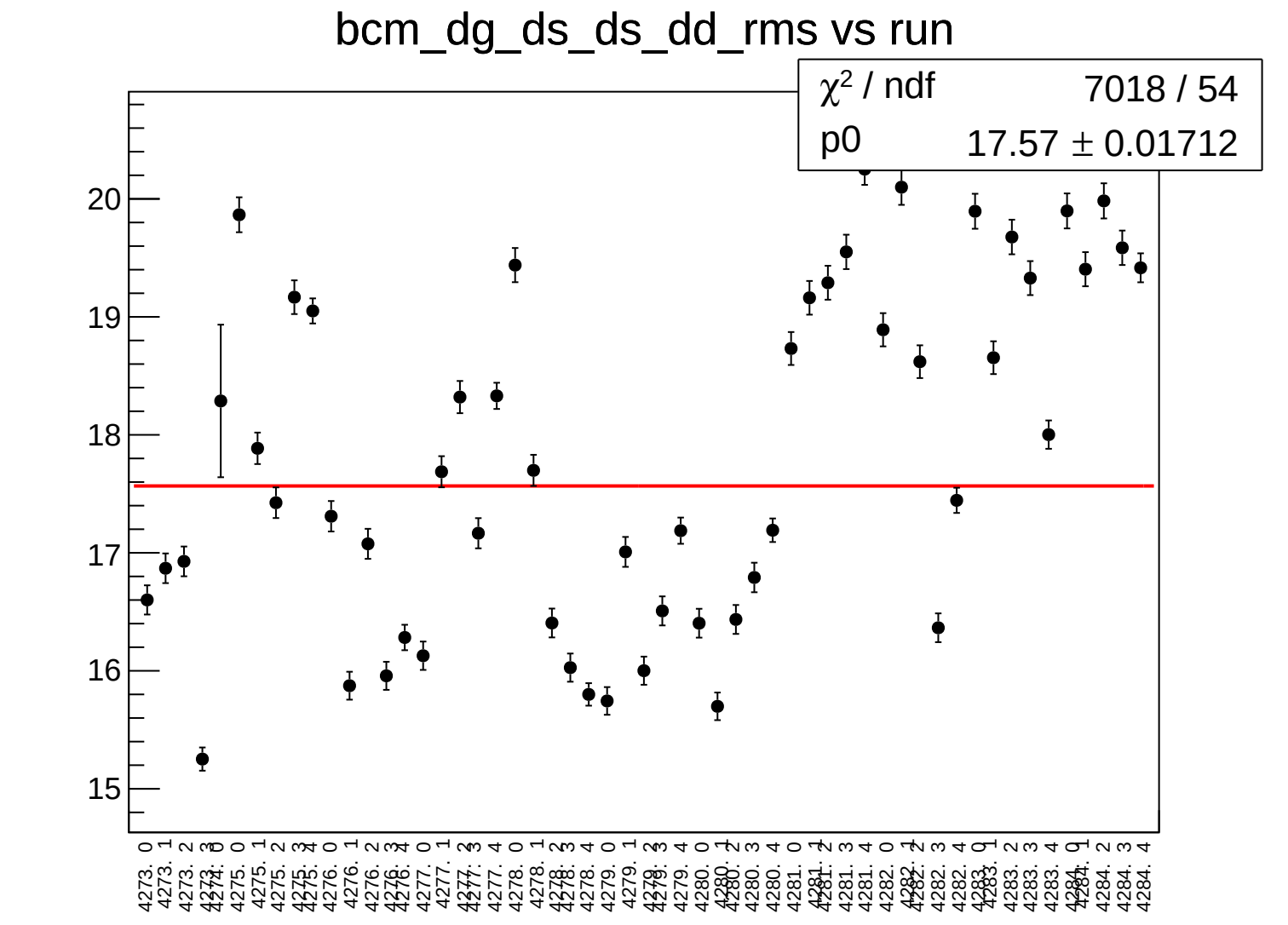
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


bcm_dg_ds_ds_dd_mean vs run
χ² / ndf 61.45 / 54
p0 −21.91± 24.22
pull
Entries 55
Mean 230.2
Std Dev 201.5


pull1D
Entries 55
Mean 0.02565
Std Dev 1.057


bcm_dg_ds_ds_dd_rms vs run
χ² / ndf 7018 / 54
p0 17.57 ± 0.01712
20
19
18
17
16
15
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
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4277. 2
4277. 3
4277. 4
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4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 2
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4280. 4
4281. 0
4281. 1
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
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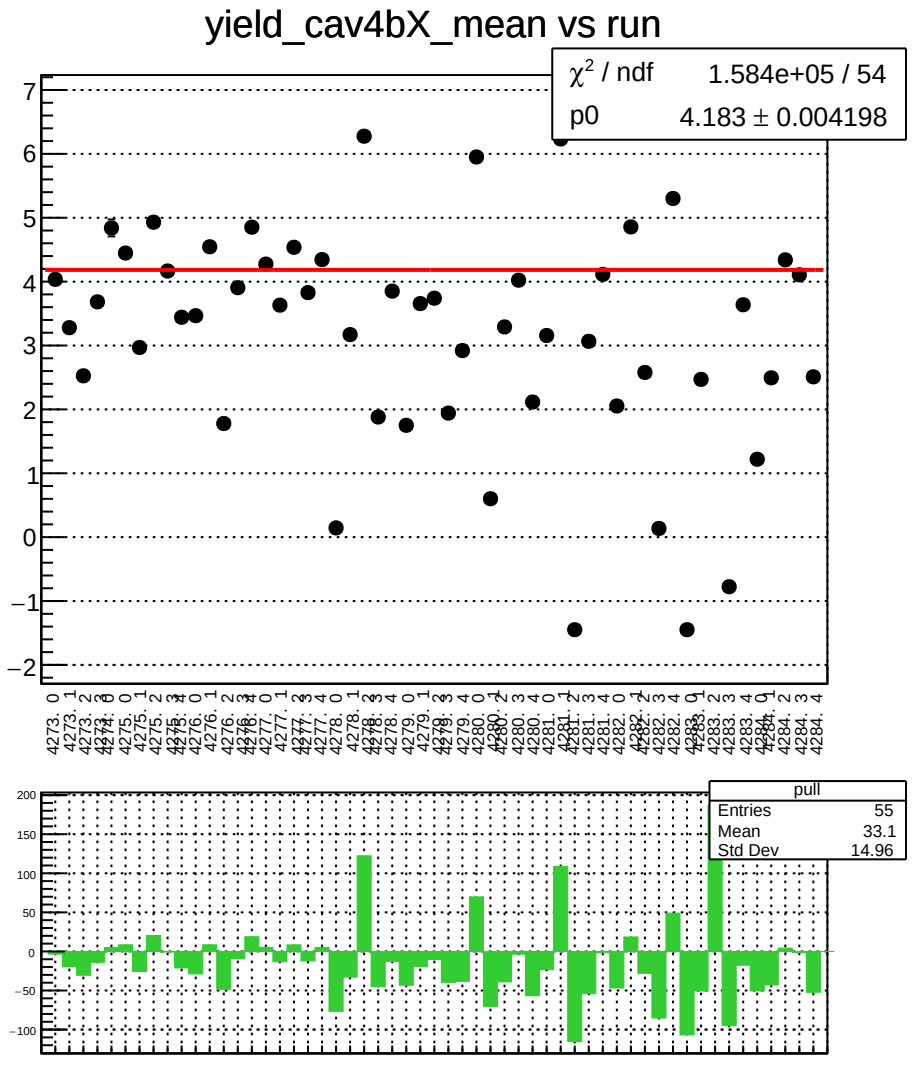
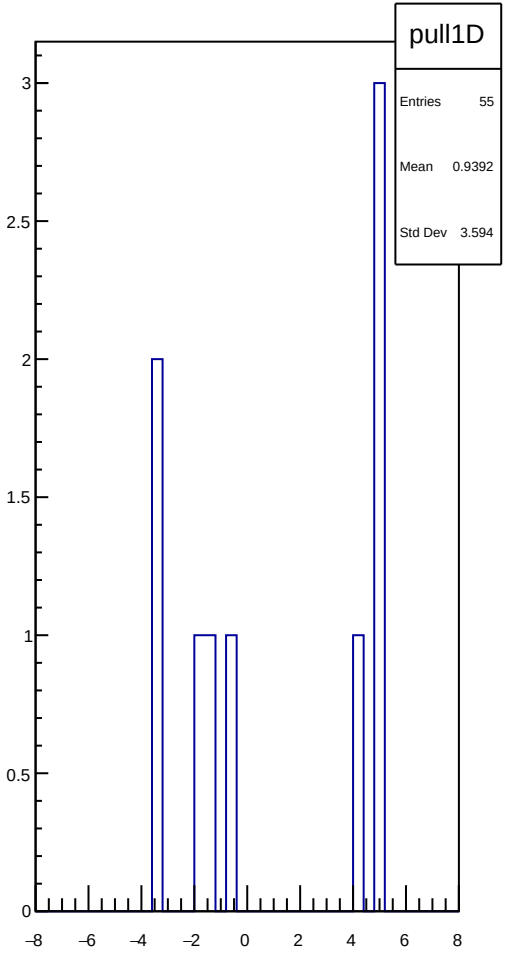
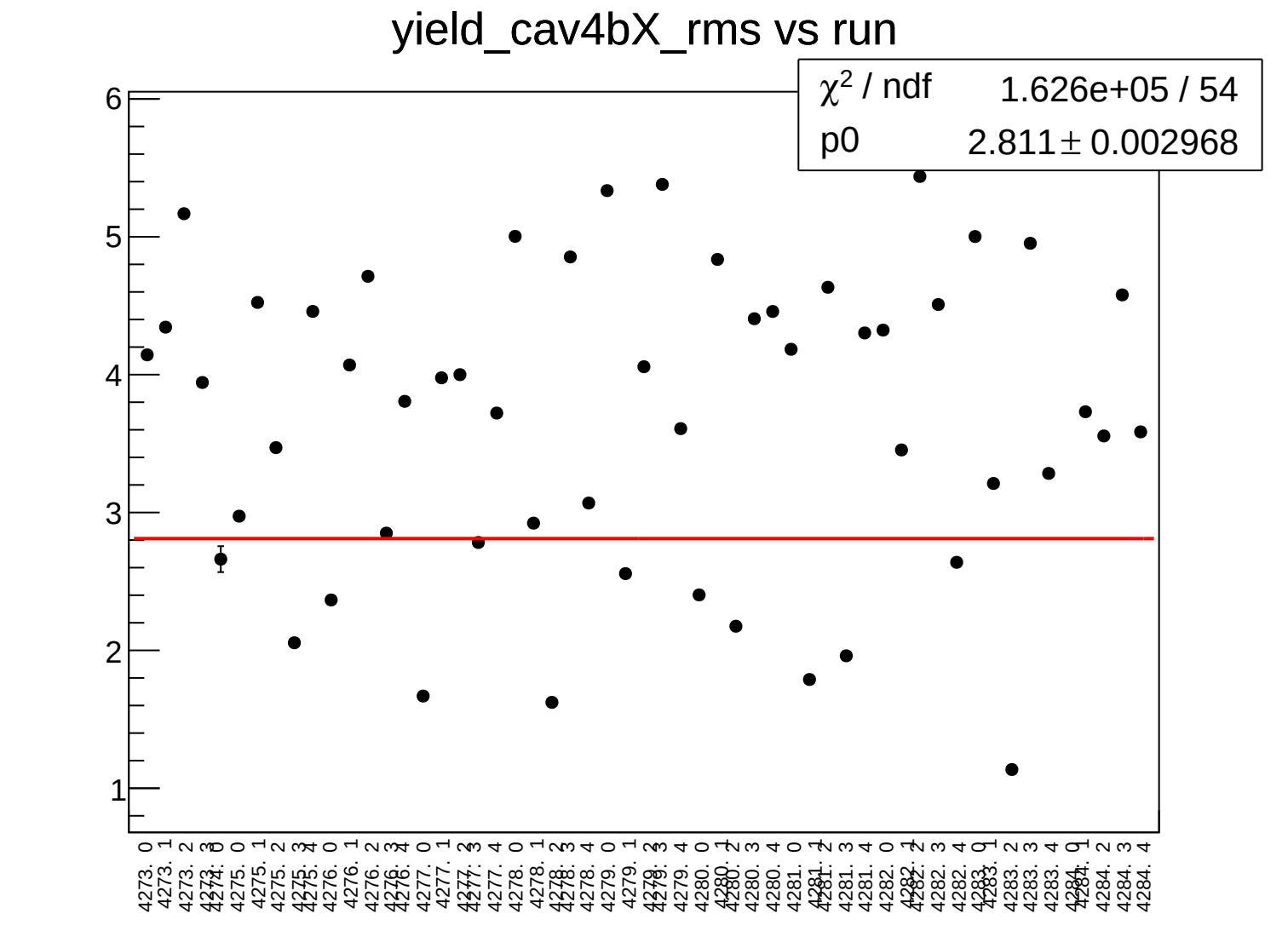
4284. 1
4284. 2
4284. 3
4284. 4


yield_cav4bX_mean vs run
χ² / ndf 1.584e+05 / 54
p0 4.183 ± 0.004198
pull
Entries 55
Mean 33.1
Std Dev 14.96


pull1D
Entries 55
Mean 0.9392
Std Dev 3.594


yield_cav4bX_rms vs run
χ² / ndf 1.626e+05 / 54
p0 2.811 ± 0.002968
6
5
4
3
2
1
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
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4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 2
4280. 3
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4281. 0
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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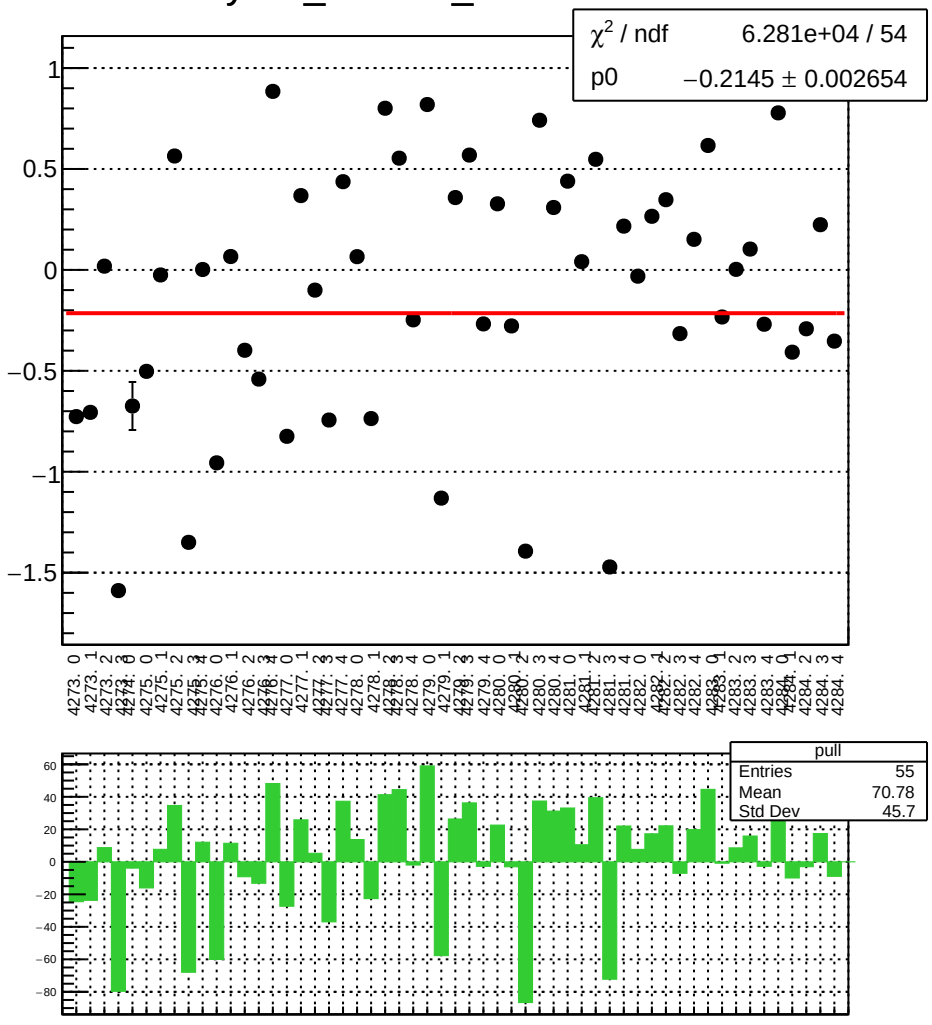
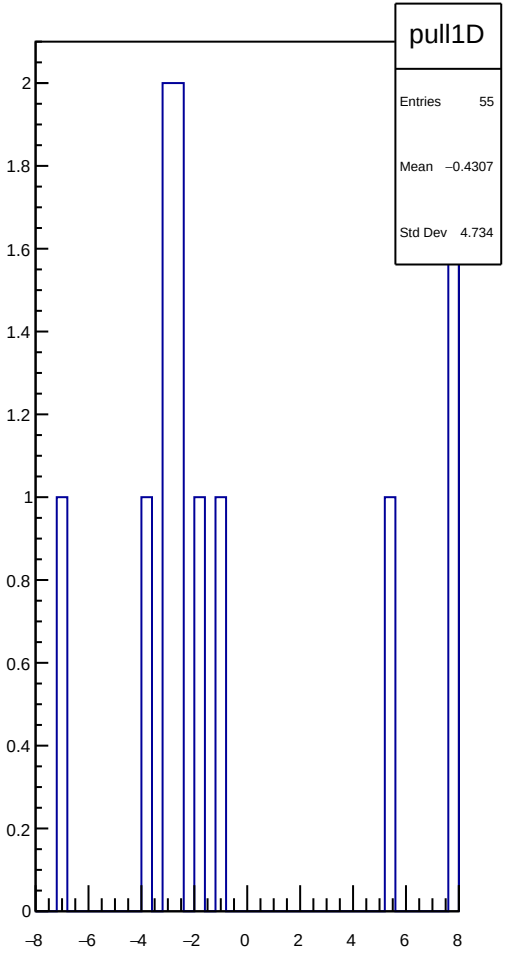
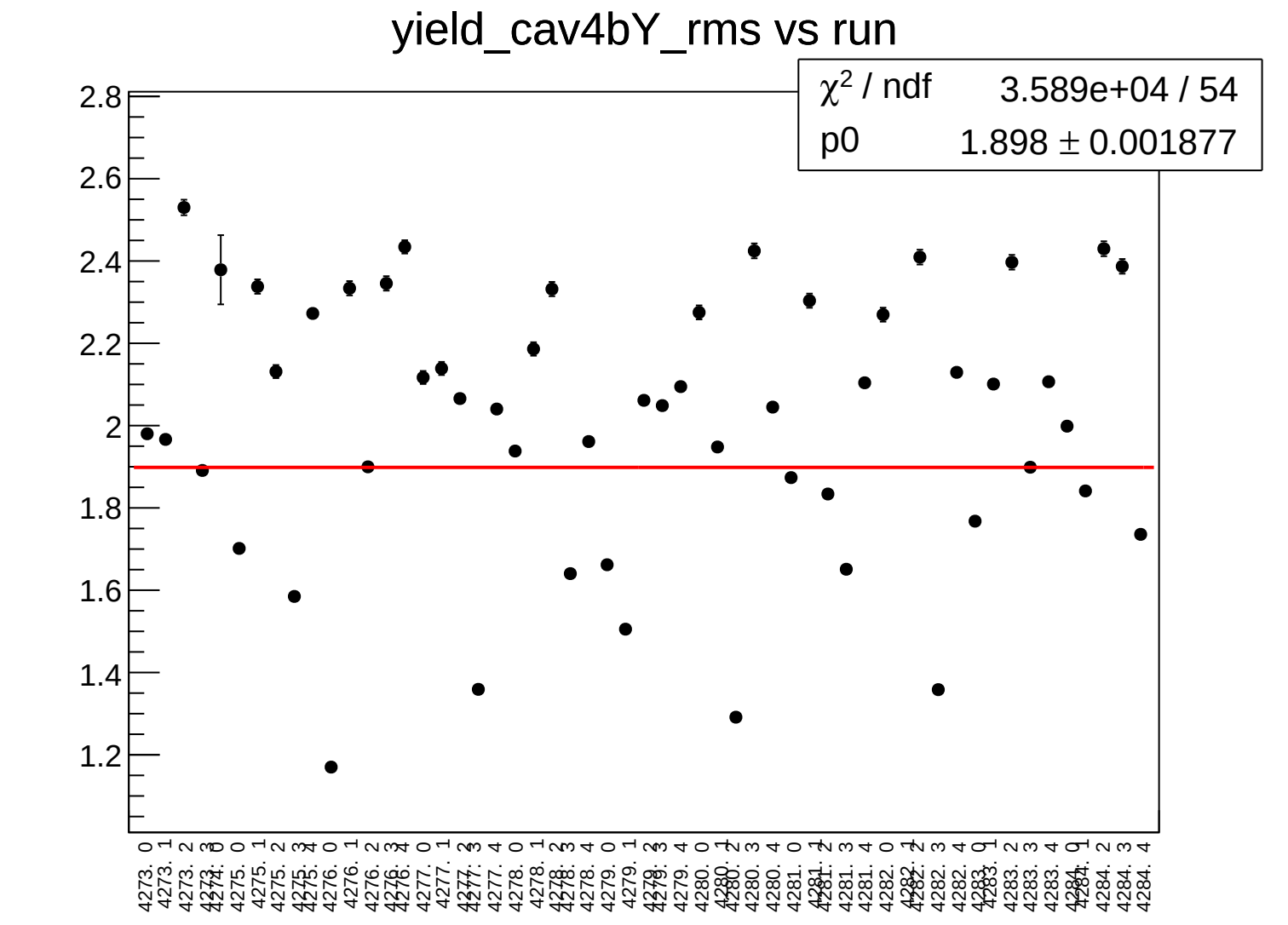
4284. 3
4284. 4


yield_cav4bY_mean vs run
χ² / ndf 6.281e+04 / 54
p0 −0.2145 ± 0.002654
pull
Entries 55
Mean 70.78
Std Dev 45.7


pull1D
Entries 55
Mean −0.4307
Std Dev 4.734


yield_cav4bY_rms vs run
χ² / ndf 3.589e+04 / 54
p0 1.898 ± 0.001877
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
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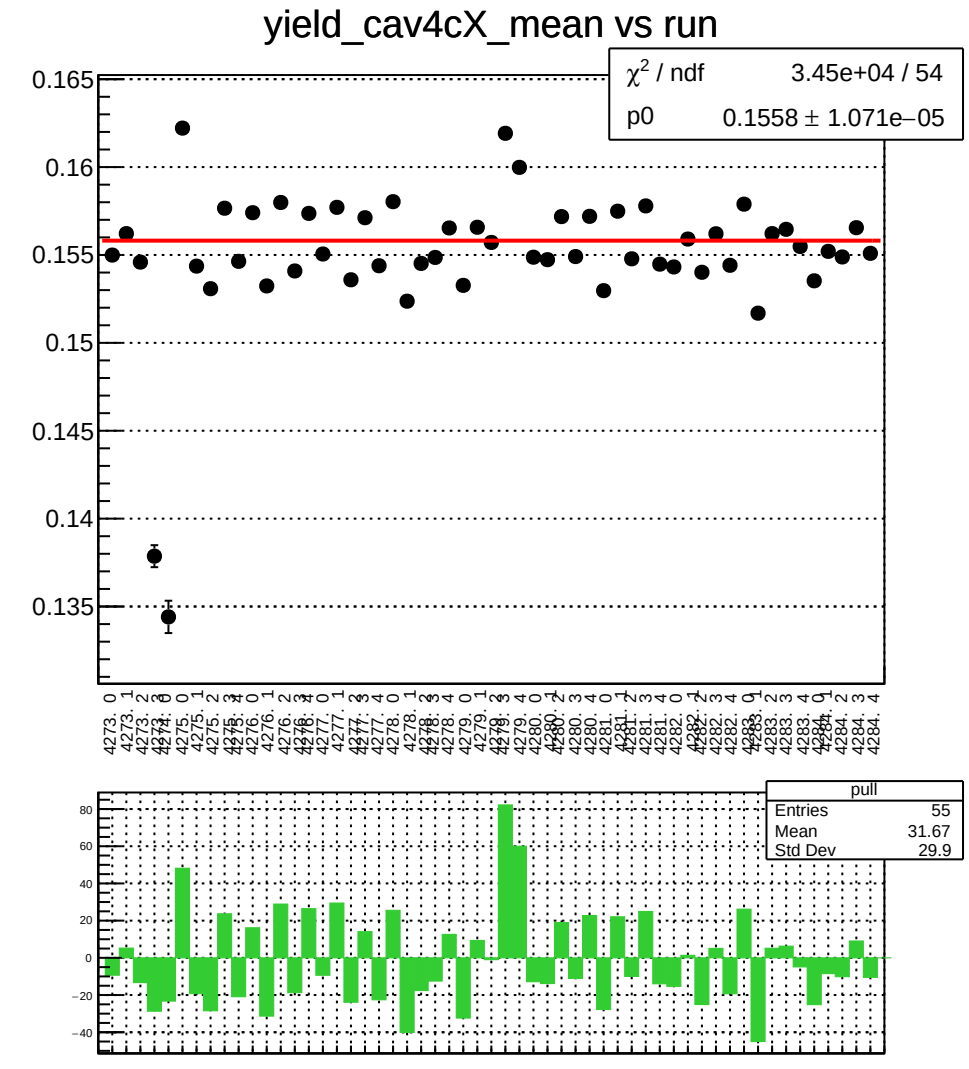
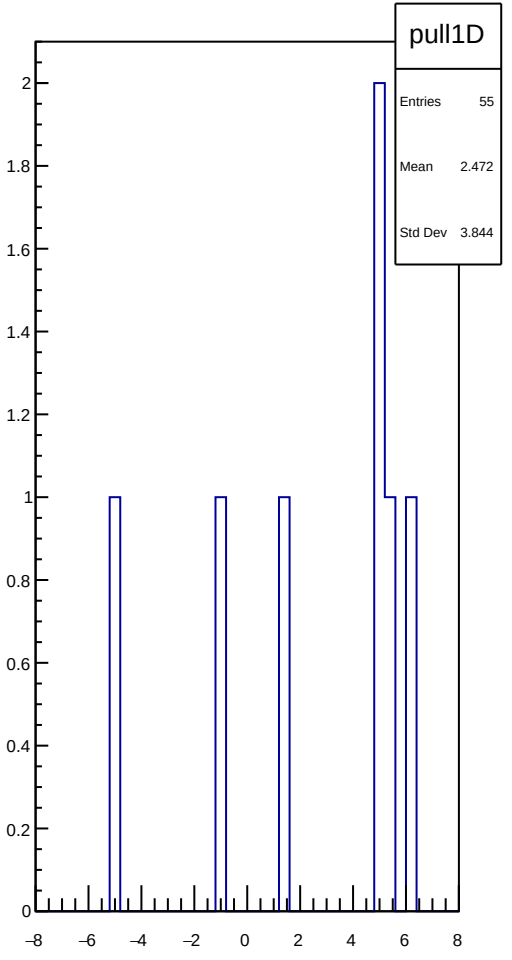
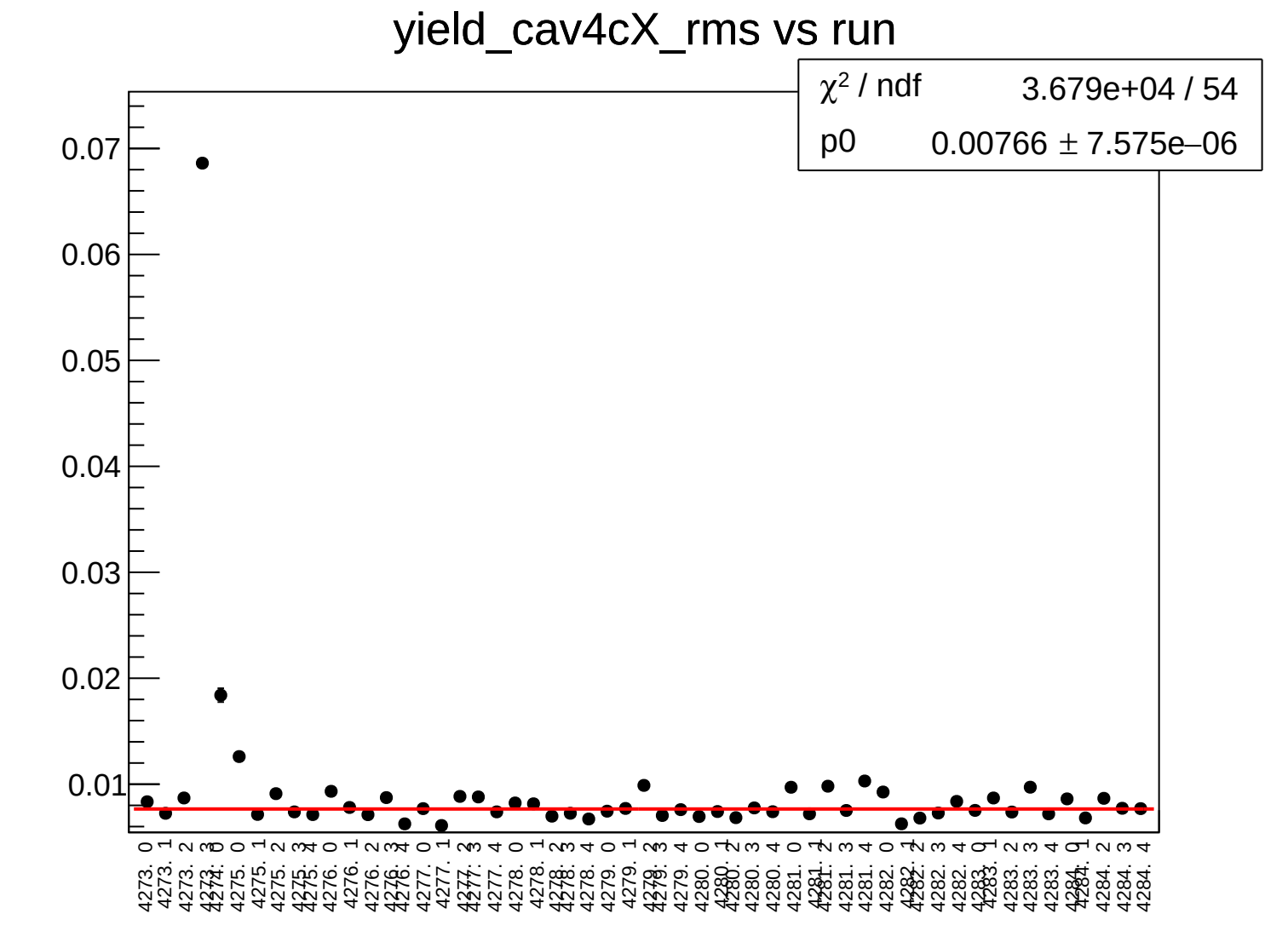
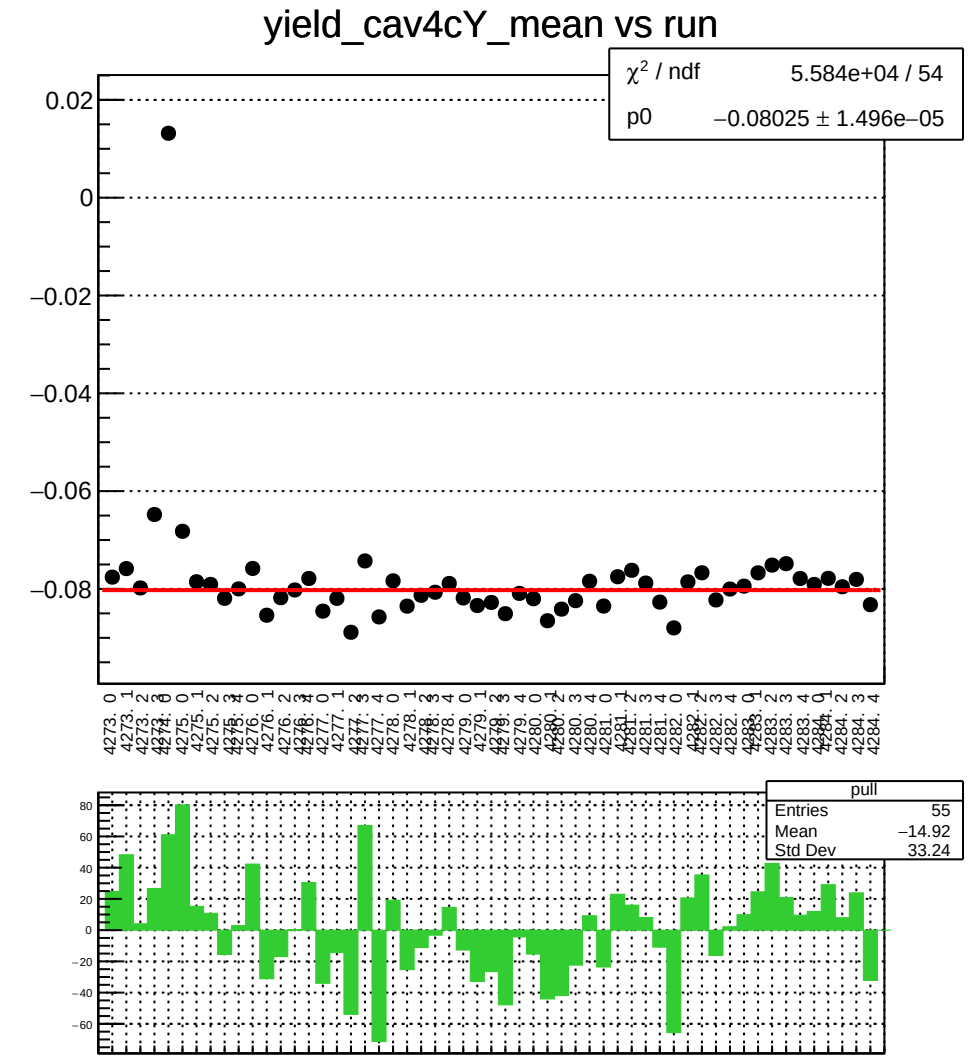
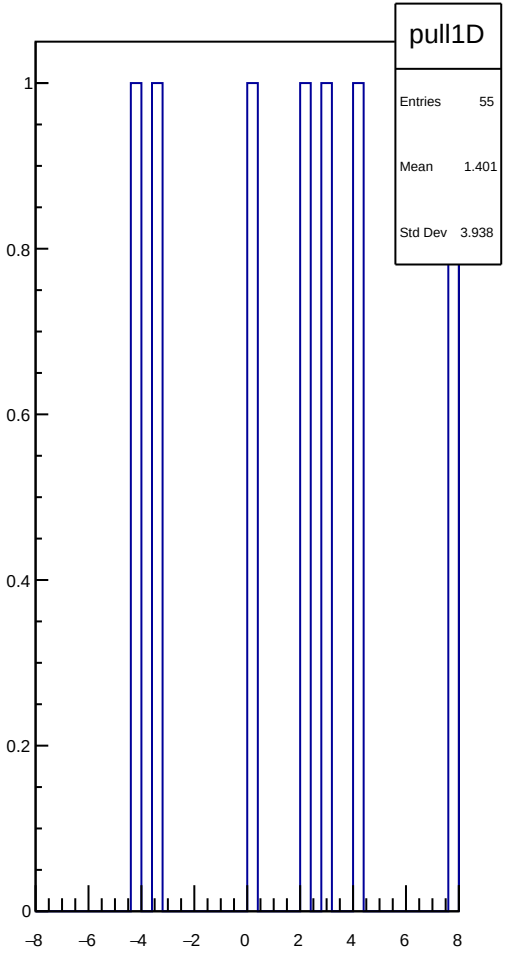
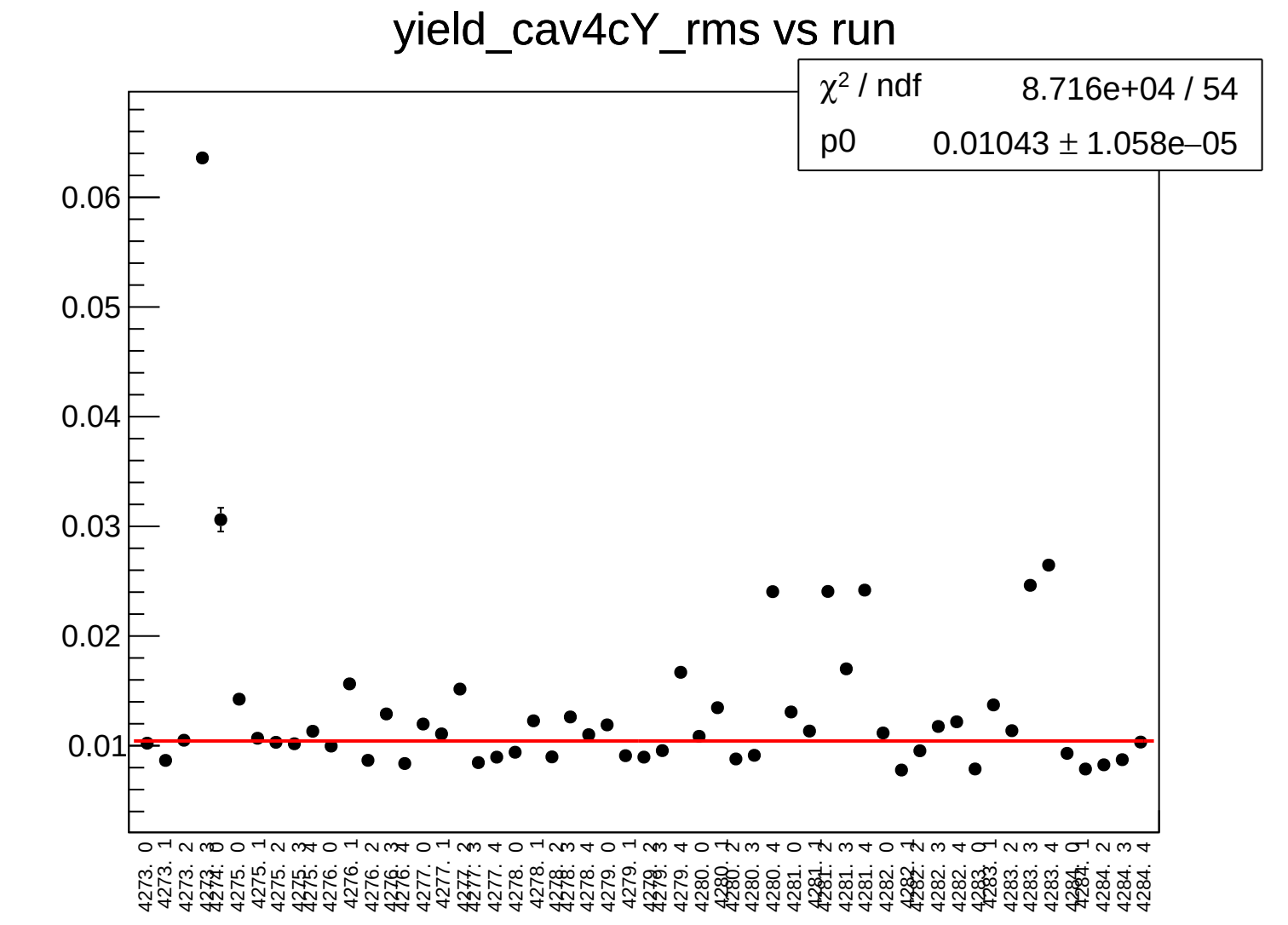

yield_cav4cX_mean vs run
χ² / ndf 3.45e+04 / 54
p0 0.1558 ± 1.071e−05
0.165
0.16
0.155
0.15
0.145
0.14
0.135
pull
Entries 55
Mean 31.67
Std Dev 29.9
80
60
40
20
0
−20
−40

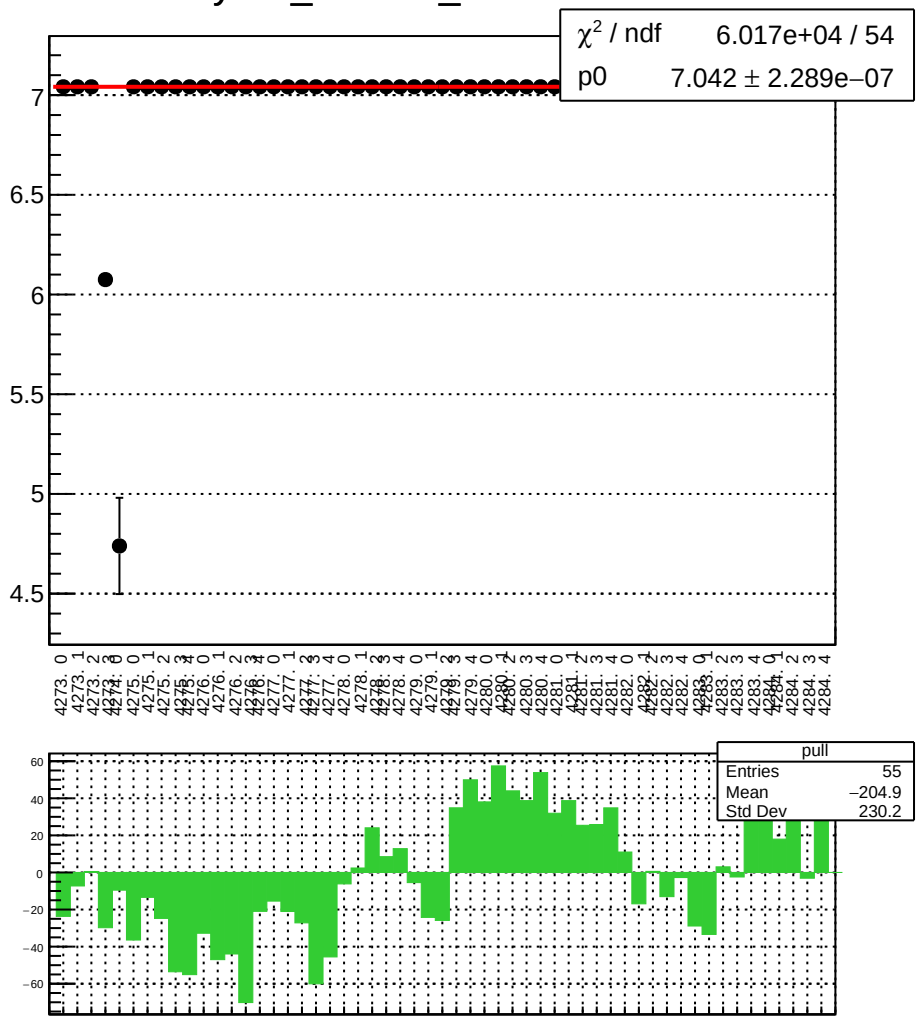

pull1D
Entries 55
Mean 2.472
Std Dev 3.844
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

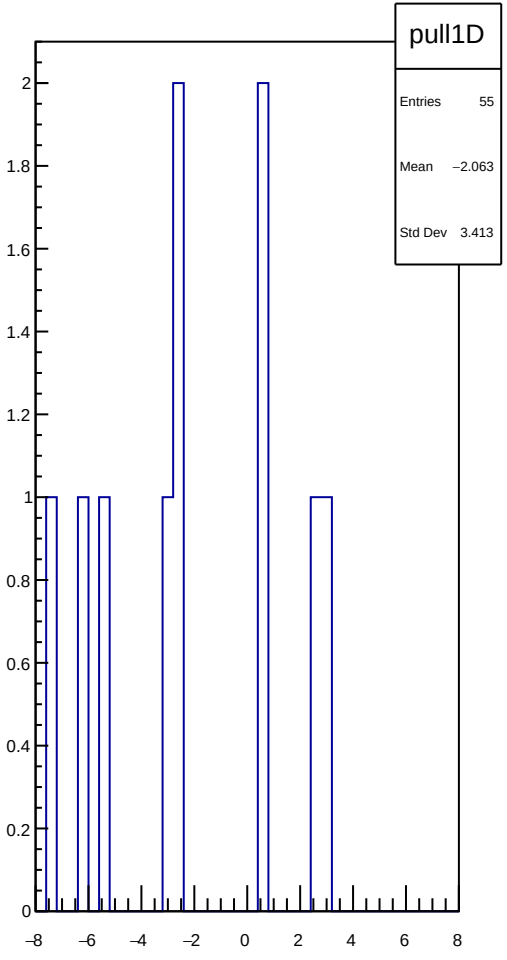

yield_cav4cX_rms vs run
χ² / ndf 3.679e+04 / 54
p0 0.00766 ± 7.575e–06
0.07
0.06
0.05
0.04
0.03
0.02
0.01

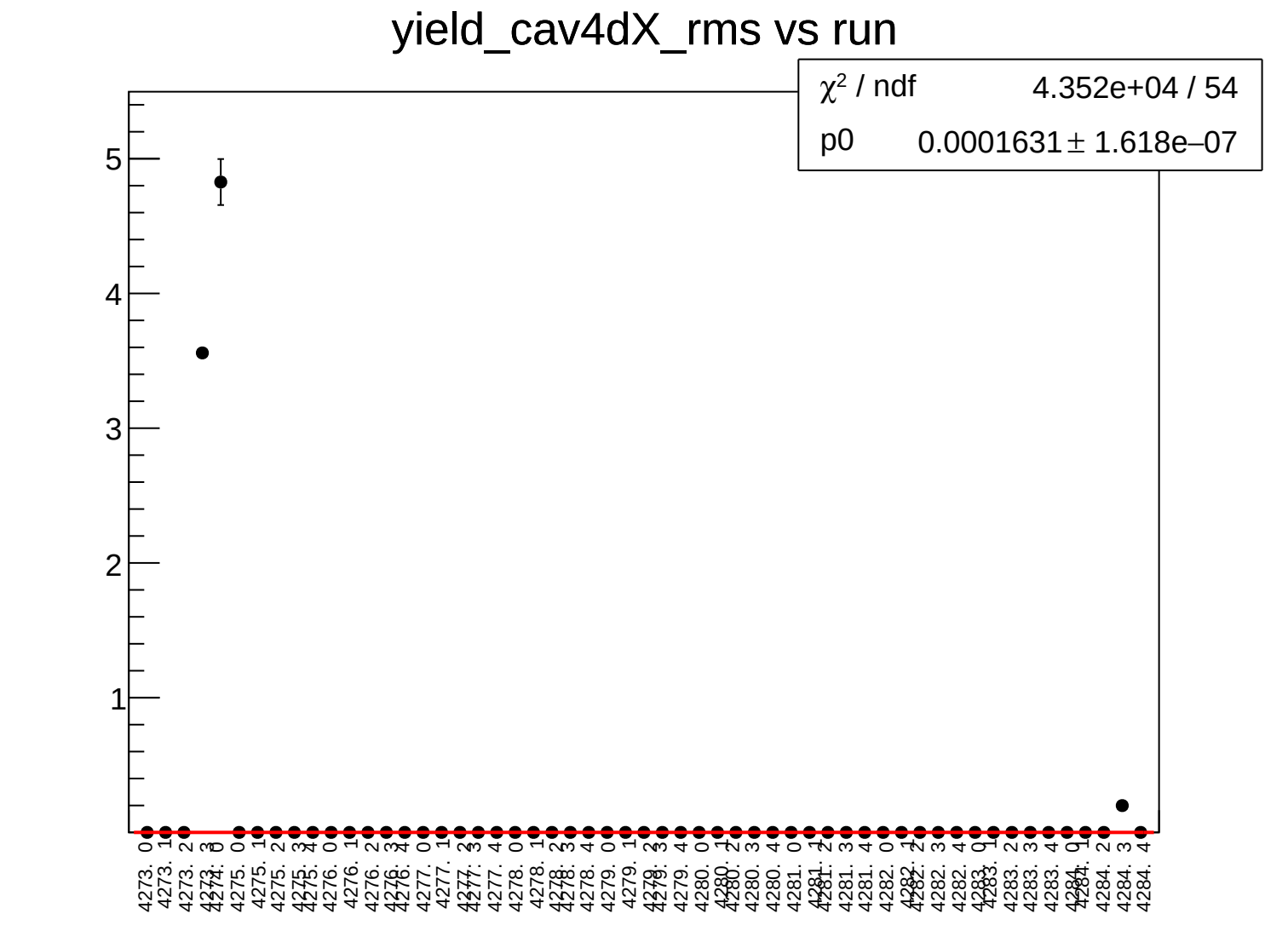

yield_cav4cY_mean vs run
χ² / ndf 5.584e+04 / 54
p0 −0.08025 ± 1.496e−05
pull
Entries 55
Mean −14.92
Std Dev 33.24

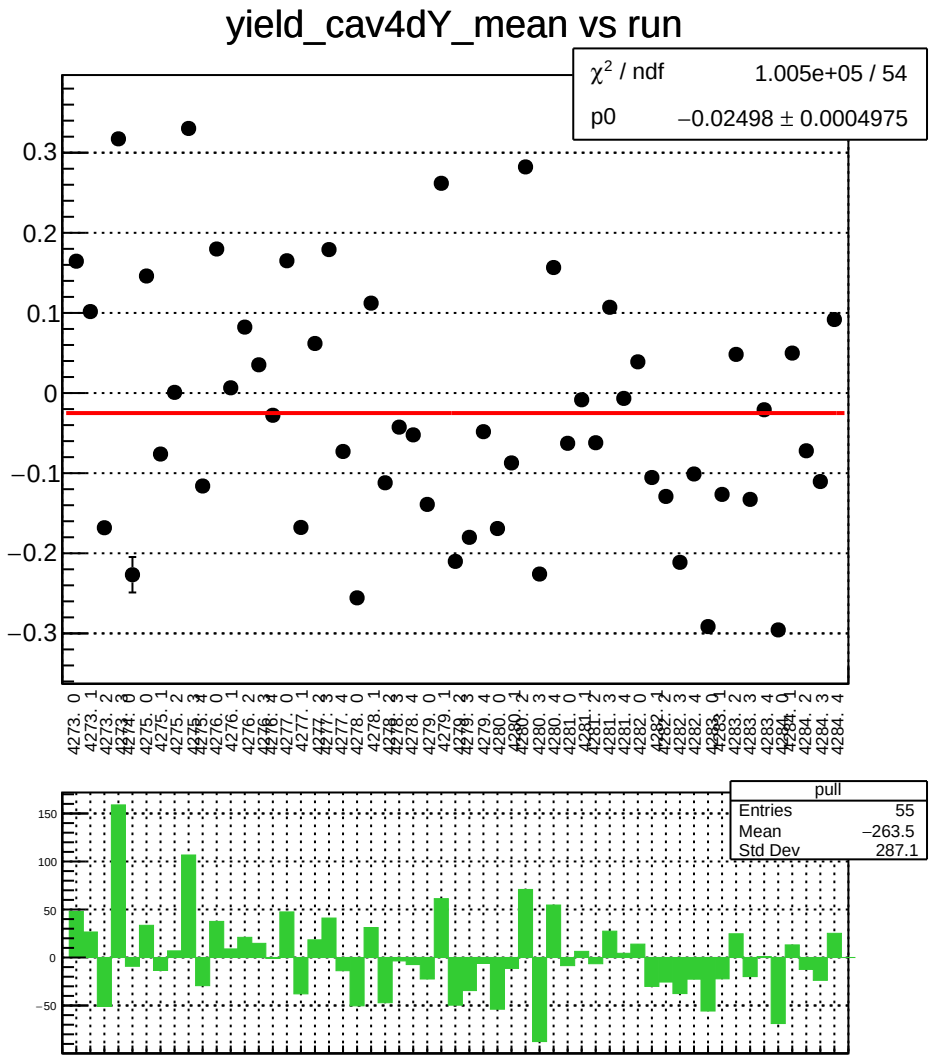

pull1D
Entries 55
Mean 1.401
Std Dev 3.938

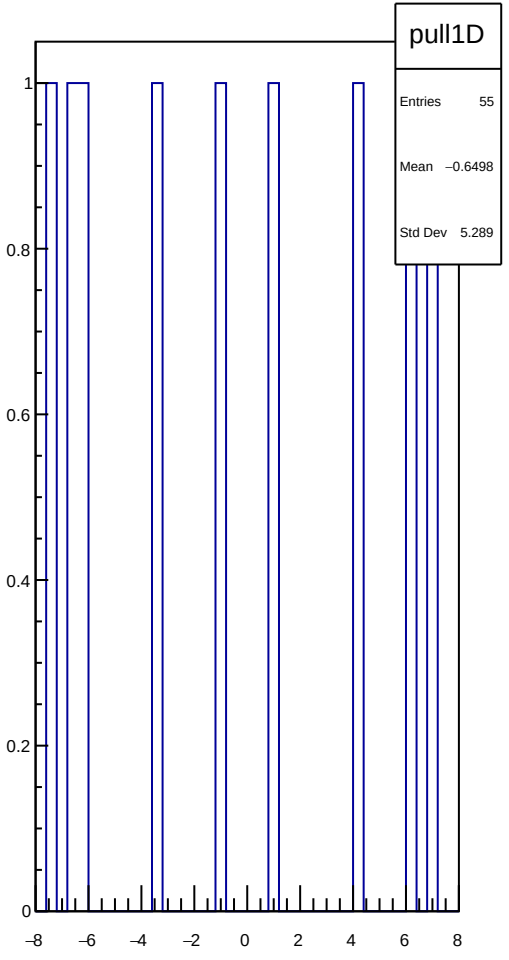

yield_cav4cY_rms vs run
χ² / ndf 8.716e+04 / 54
p0 0.01043 ± 1.058e−05
0.06
0.05
0.04
0.03
0.02
0.01

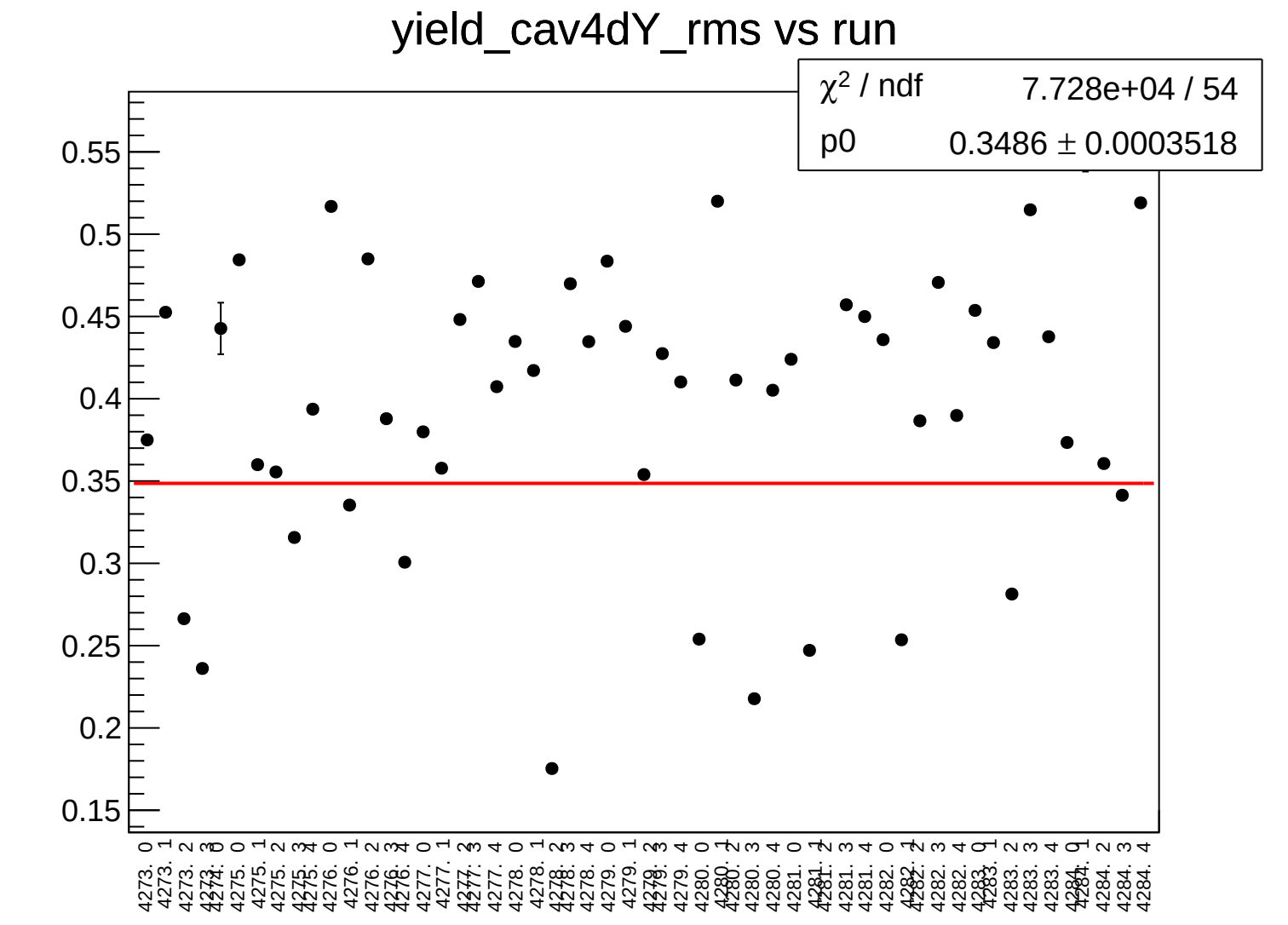

yield_cav4dX_mean vs run
χ² / ndf 6.017e+04 / 54
p0 7.042 ± 2.289e−07
pull
Entries 55
Mean −204.9
Std Dev 230.2


pull1D
Entries 55
Mean −2.063
Std Dev 3.413


yield_cav4dX_rms vs run
χ² / ndf 4.352e+04 / 54
p0 0.0001631 ± 1.618e−07
5
4
3
2
1
4273. 0
4273. 1
4273. 2
4273. 3
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_cav4dY_mean vs run
χ² / ndf 1.005e+05 / 54
p0 −0.02498 ± 0.0004975
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 55
Mean −263.5
Std Dev 287.1
150
100
50
0
−50


pull1D
Entries 55
Mean −0.6498
Std Dev 5.289
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_cav4dY_rms vs run
χ² / ndf 7.728e+04 / 54
p0 0.3486 ± 0.0003518
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4276. 2
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4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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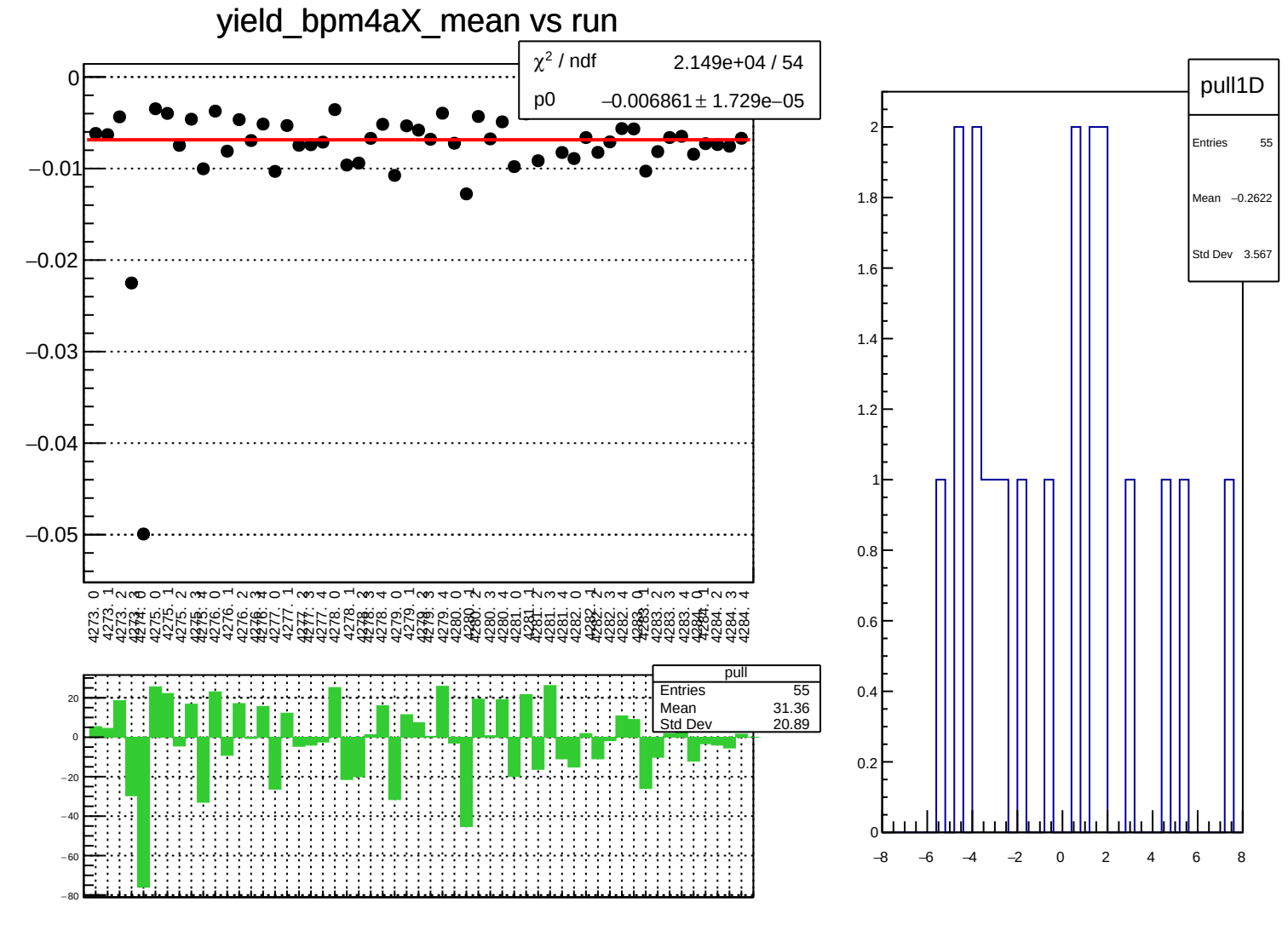
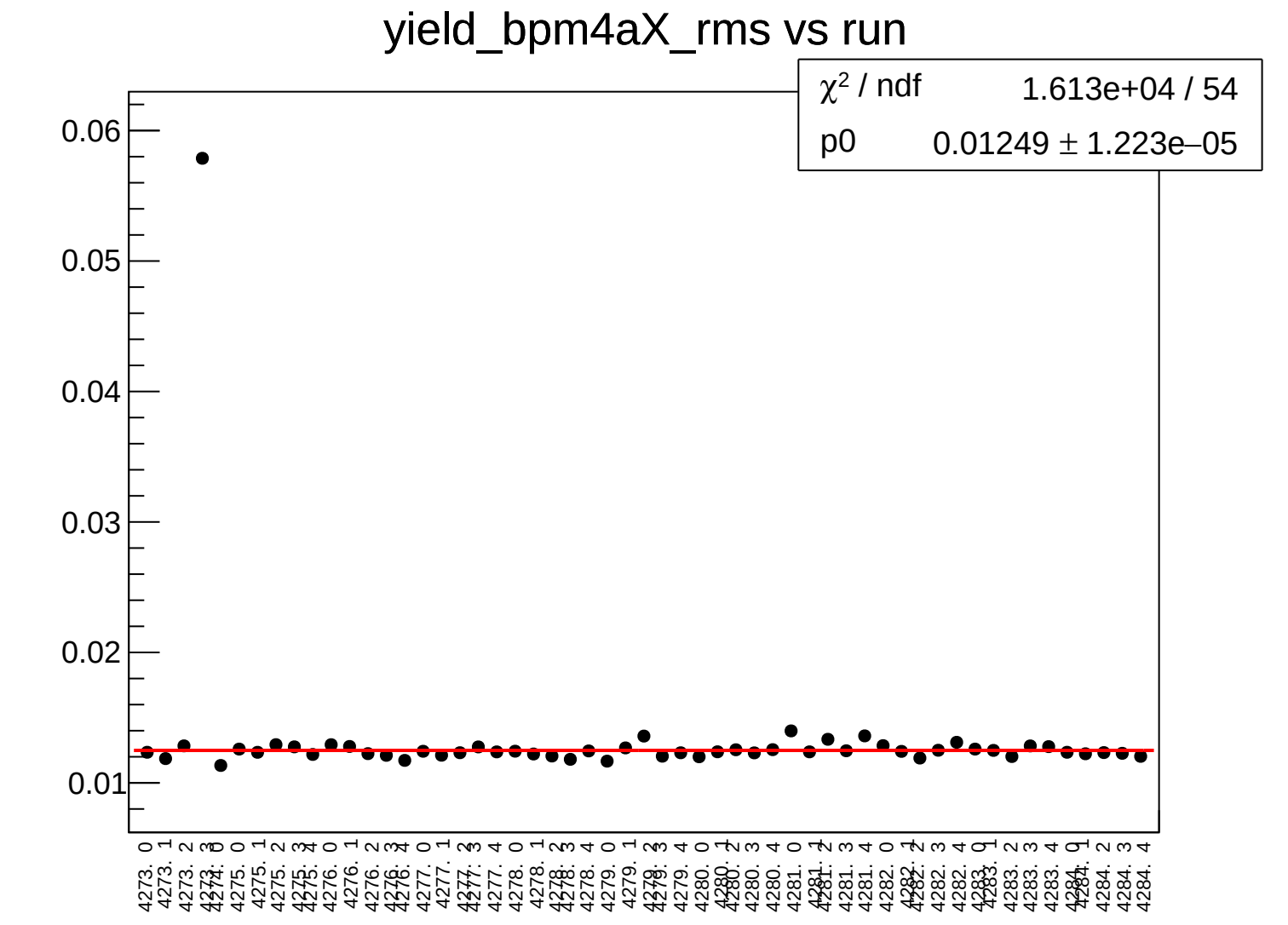
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bpm4aX_mean vs run
χ² / ndf 2.149e+04 / 54
p0 −0.006861 ± 1.729e−05
pull
Entries 55
Mean 31.36
Std Dev 20.89
pull1D
Entries 55
Mean −0.2622
Std Dev 3.567


yield_bpm4aX_rms vs run
χ² / ndf 1.613e+04 / 54
p0 0.01249 ± 1.223e–05
0.06
0.05
0.04
0.03
0.02
0.01
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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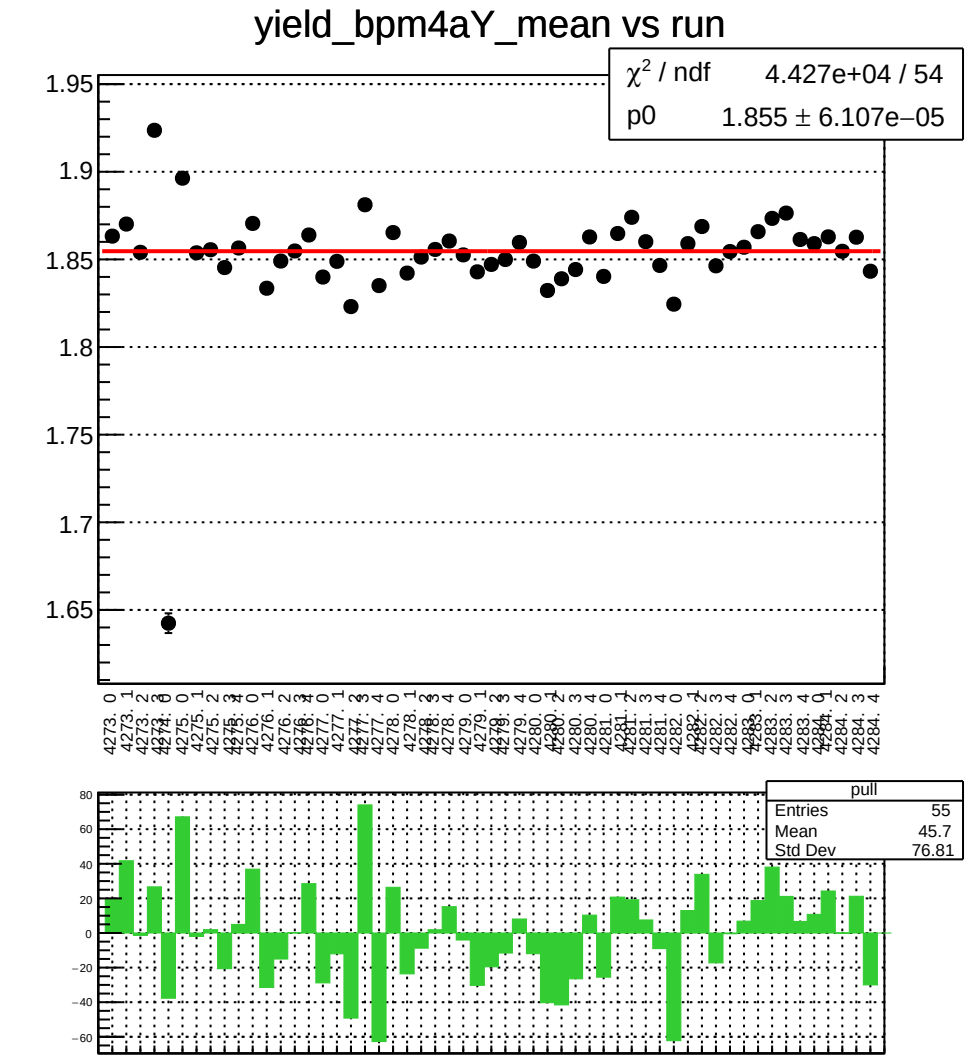
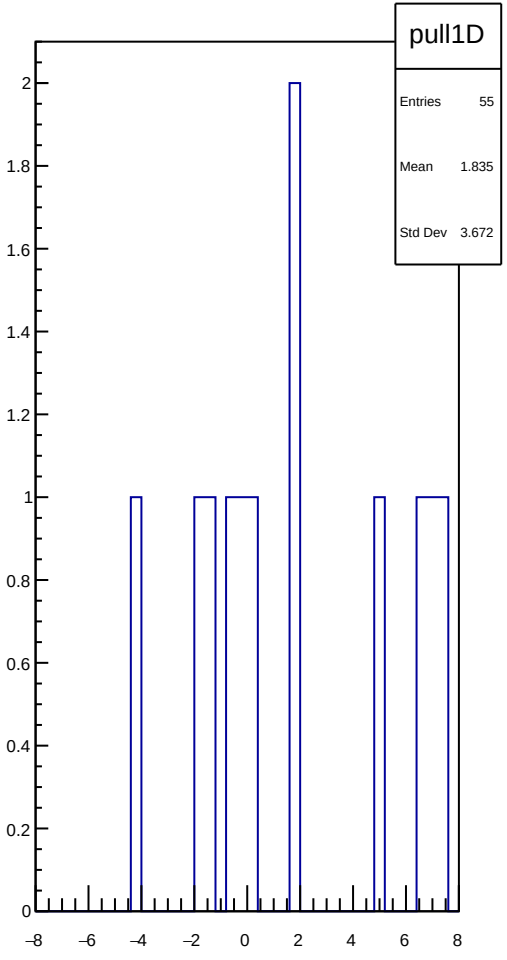
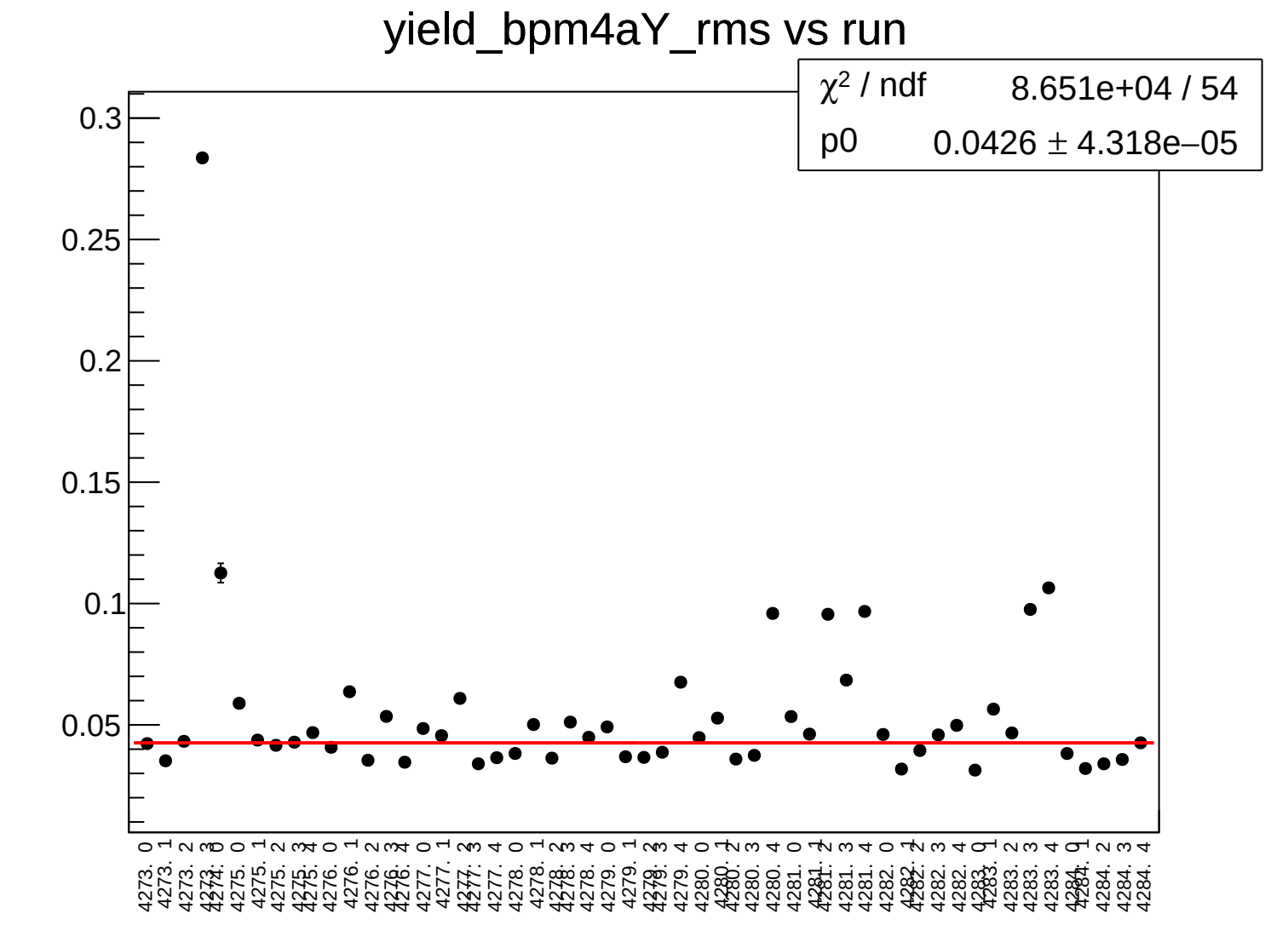
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bpm4aY_mean vs run
χ² / ndf 4.427e+04 / 54
p0 1.855 ± 6.107e−05
pull
Entries 55
Mean 45.7
Std Dev 76.81


pull1D
Entries 55
Mean 1.835
Std Dev 3.672


yield_bpm4aY_rms vs run
χ² / ndf 8.651e+04 / 54
p0 0.0426 ± 4.318e−05
0.3
0.25
0.2
0.15
0.1
0.05
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
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4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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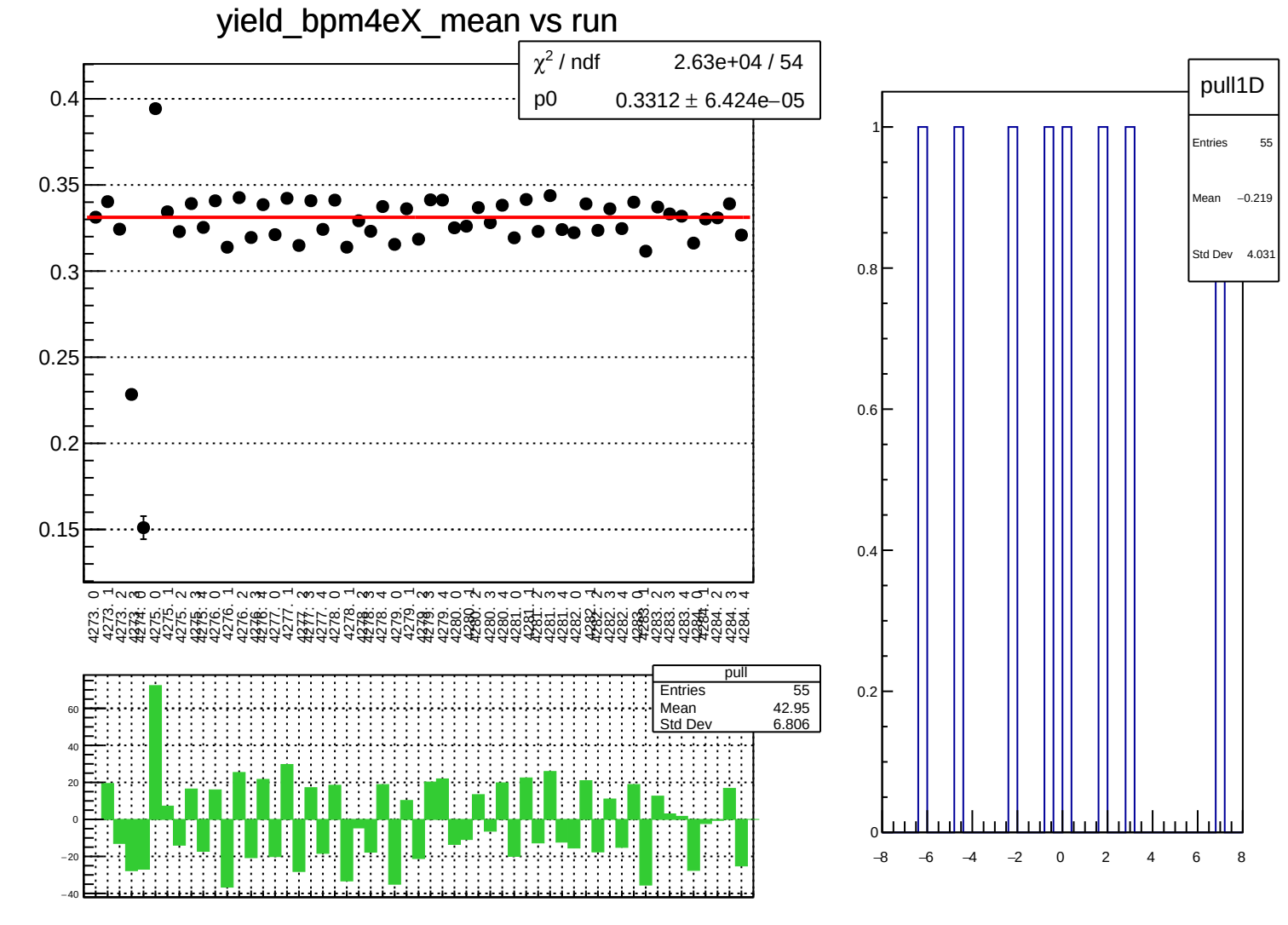
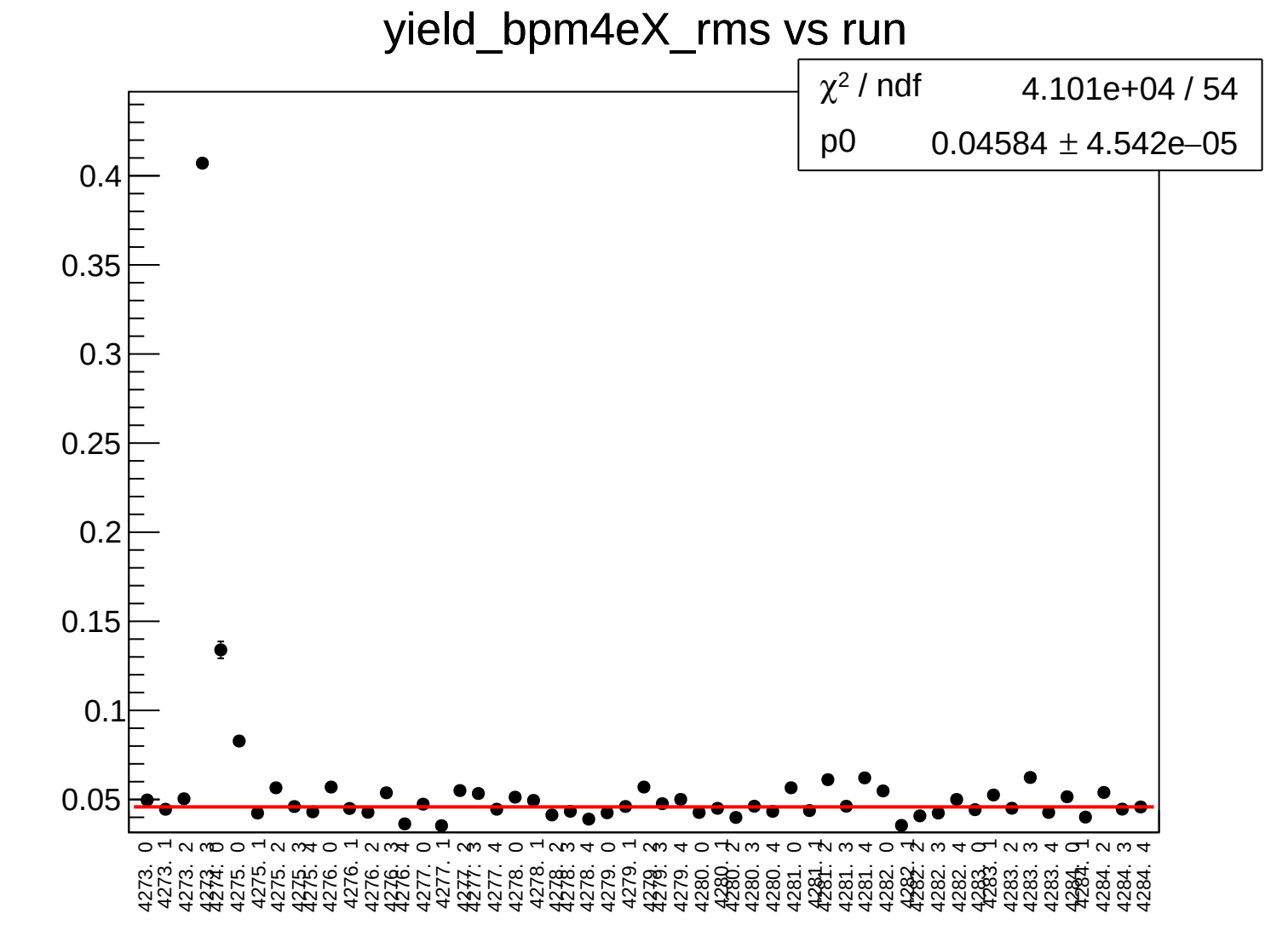
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bpm4eX_mean vs run
χ² / ndf 2.63e+04 / 54
p0 0.3312 ± 6.424e−05
pull
Entries 55
Mean 42.95
Std Dev 6.806
pull1D
Entries 55
Mean −0.219
Std Dev 4.031


yield_bpm4eX_rms vs run
χ² / ndf 4.101e+04 / 54
p0 0.04584 ± 4.542e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
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4281. 0
4281. 1
4281. 2
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4282. 1
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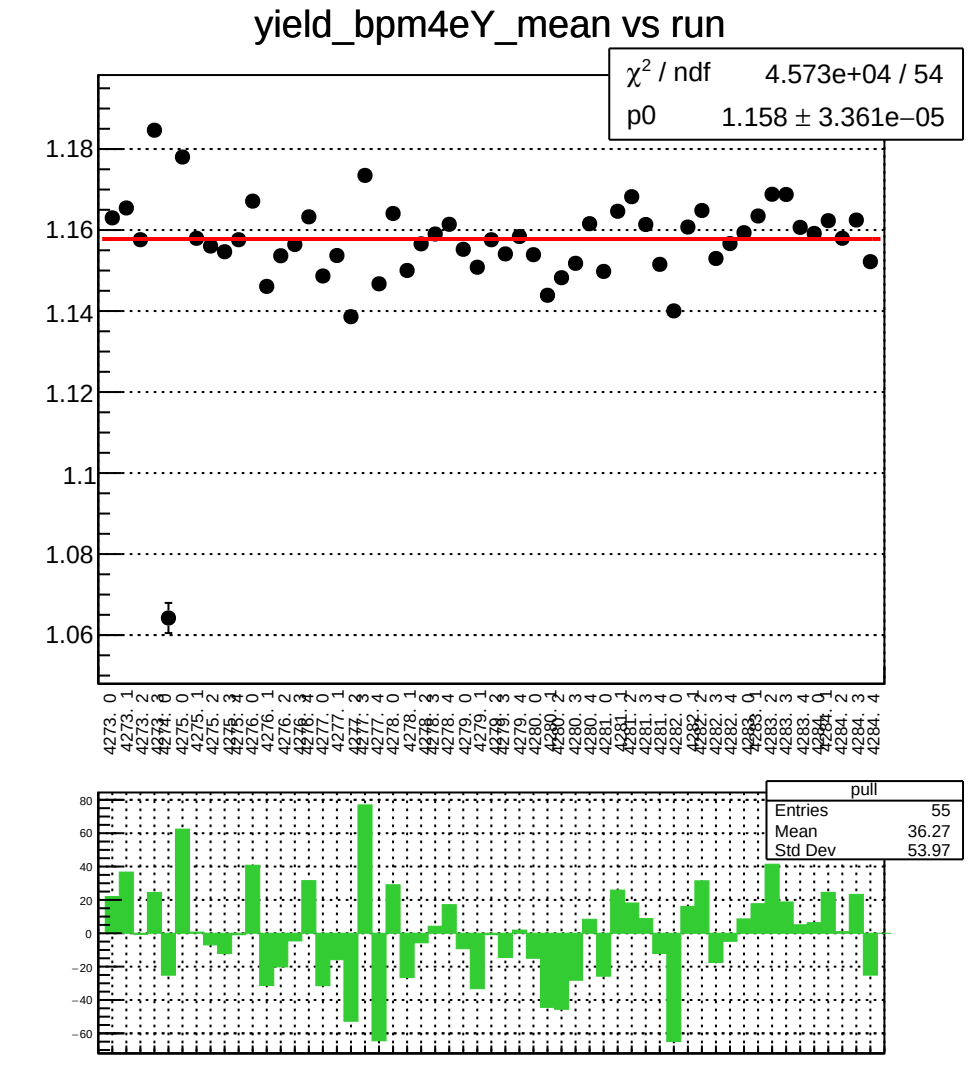
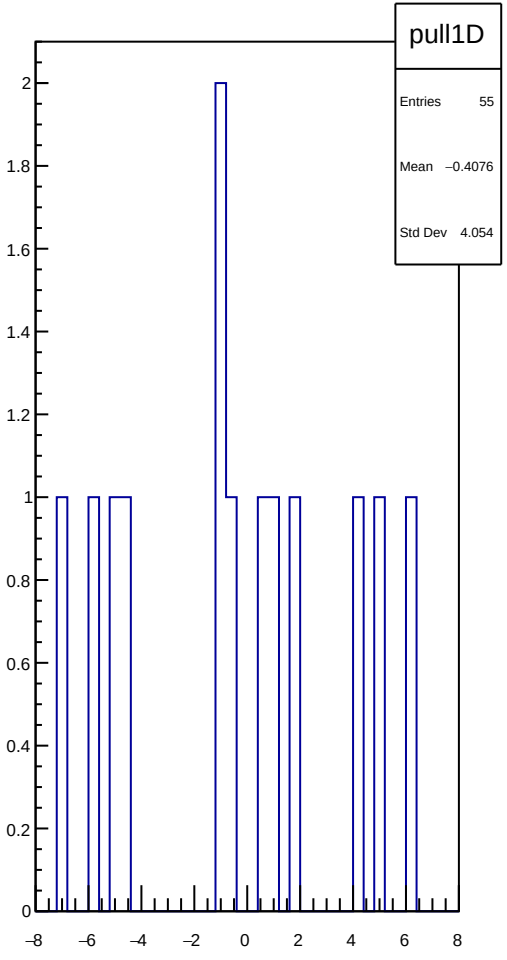
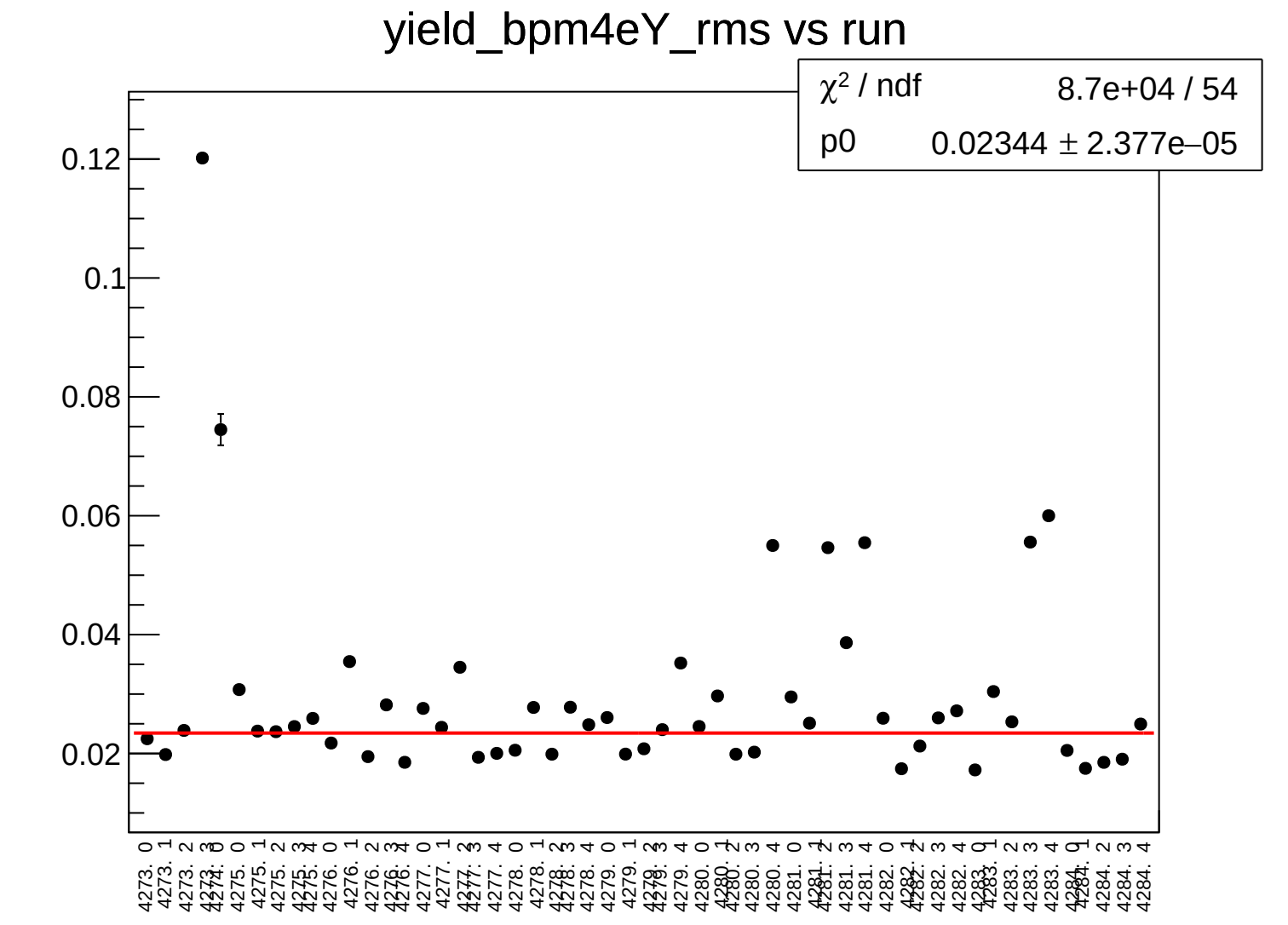
4284. 3
4284. 4


yield_bpm4eY_mean vs run
χ² / ndf 4.573e+04 / 54
p0 1.158 ± 3.361e−05
1.18
1.16
1.14
1.12
1.1
1.08
1.06
pull
Entries 55
Mean 36.27
Std Dev 53.97
80
60
40
20
0
−20
−40
−60


pull1D
Entries 55
Mean −0.4076
Std Dev 4.054
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 8.7e+04 / 54
p0 0.02344 ± 2.377e−05
0.12
0.1
0.08
0.06
0.04
0.02
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
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4282. 1
4282. 2
4282. 3
4282. 4
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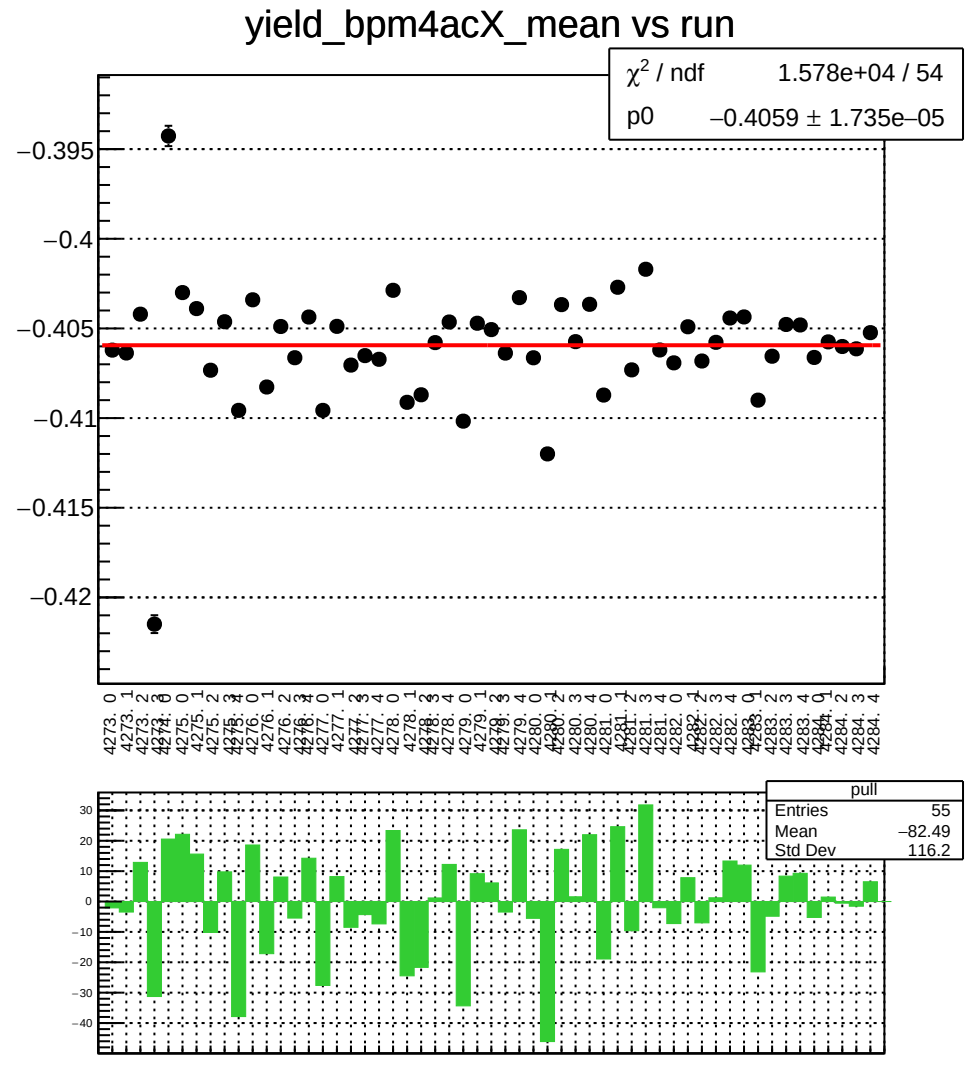
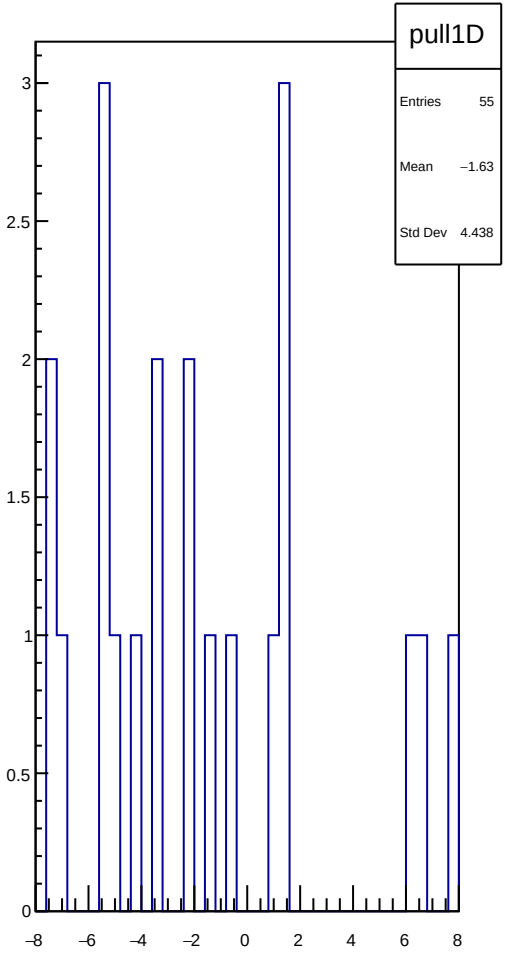
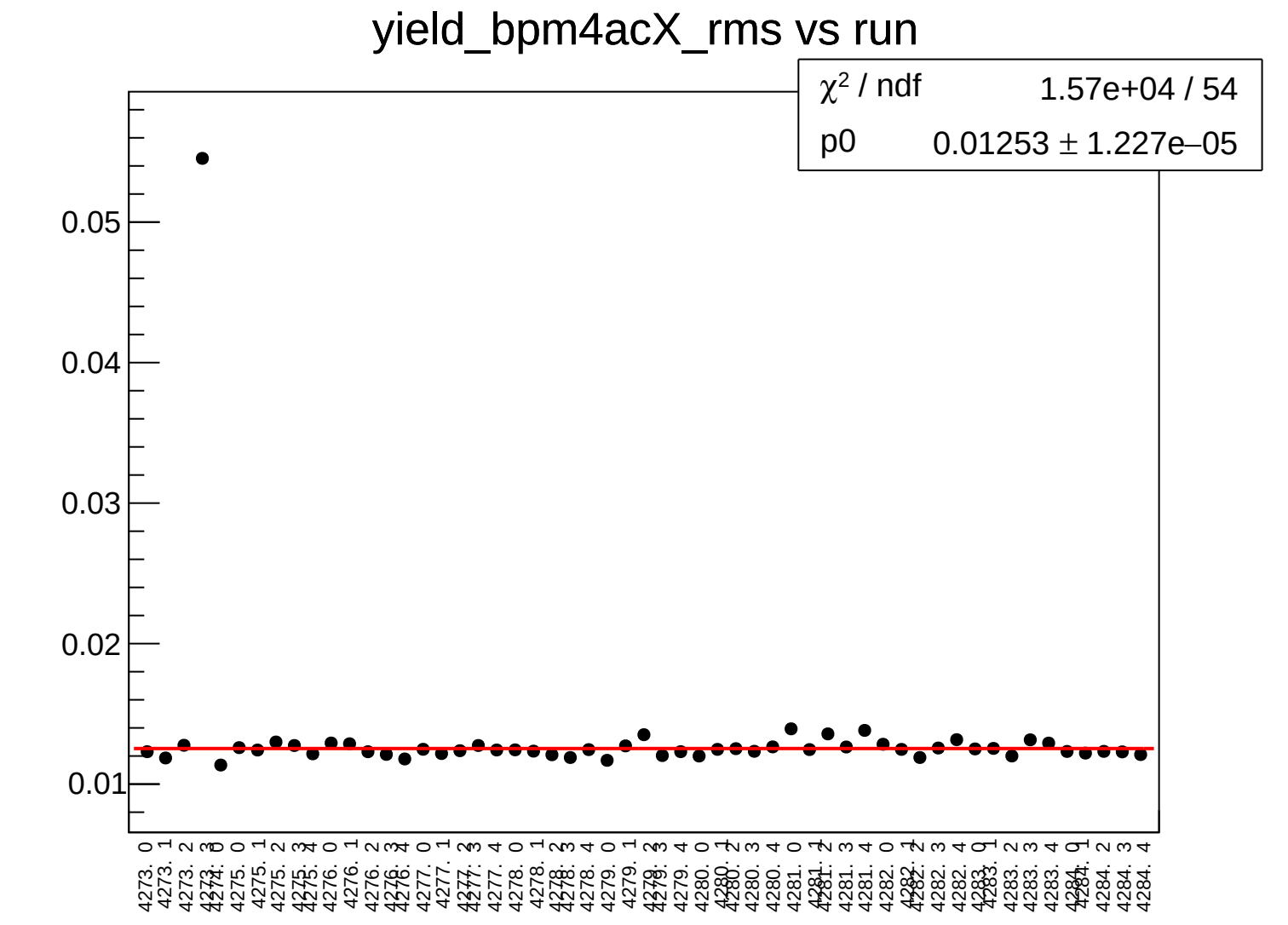
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bpm4acX_mean vs run
χ² / ndf 1.578e+04 / 54
p0 −0.4059 ± 1.735e−05
−0.395
−0.4
−0.405
−0.41
−0.415
−0.42
pull
Entries 55
Mean −82.49
Std Dev 116.2


pull1D
Entries 55
Mean −1.63
Std Dev 4.438


yield_bpm4acX_rms vs run
χ² / ndf 1.57e+04 / 54
p0 0.01253 ± 1.227e–05
0.05
0.04
0.03
0.02
0.01
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
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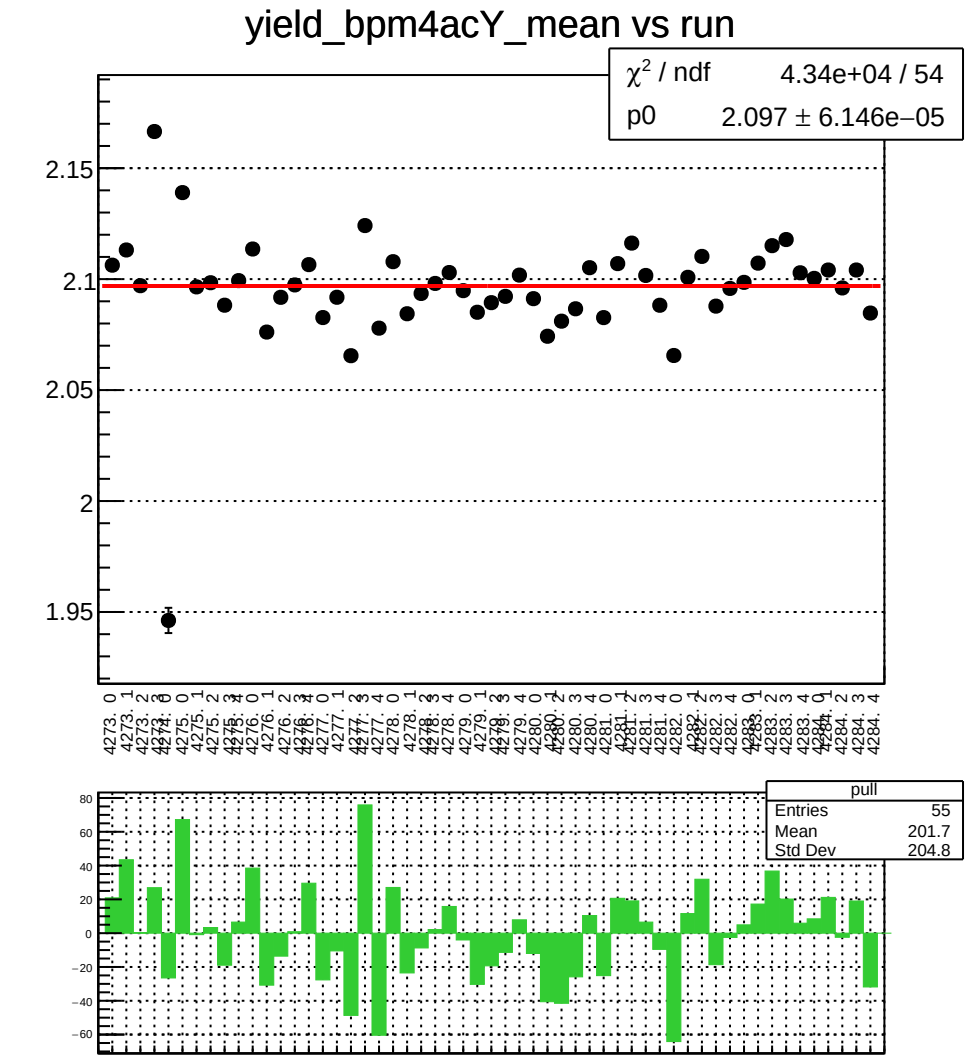
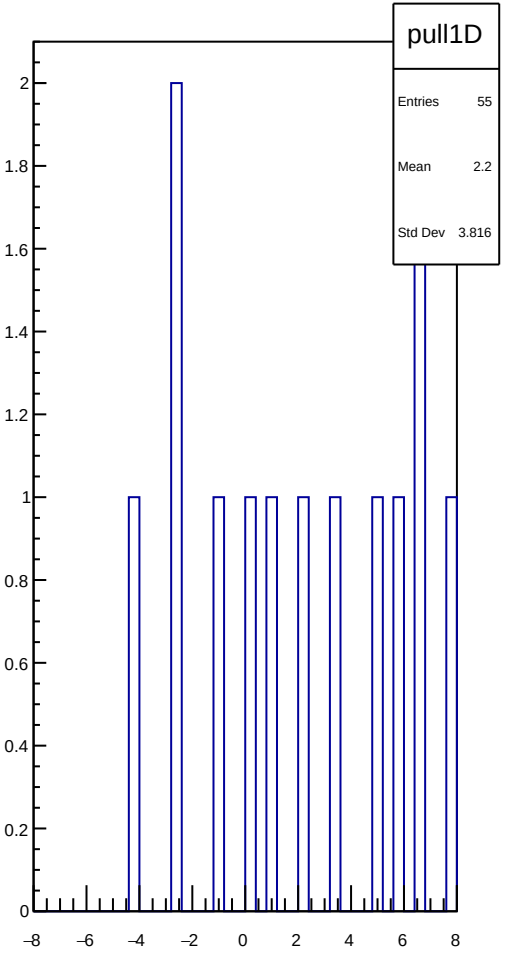
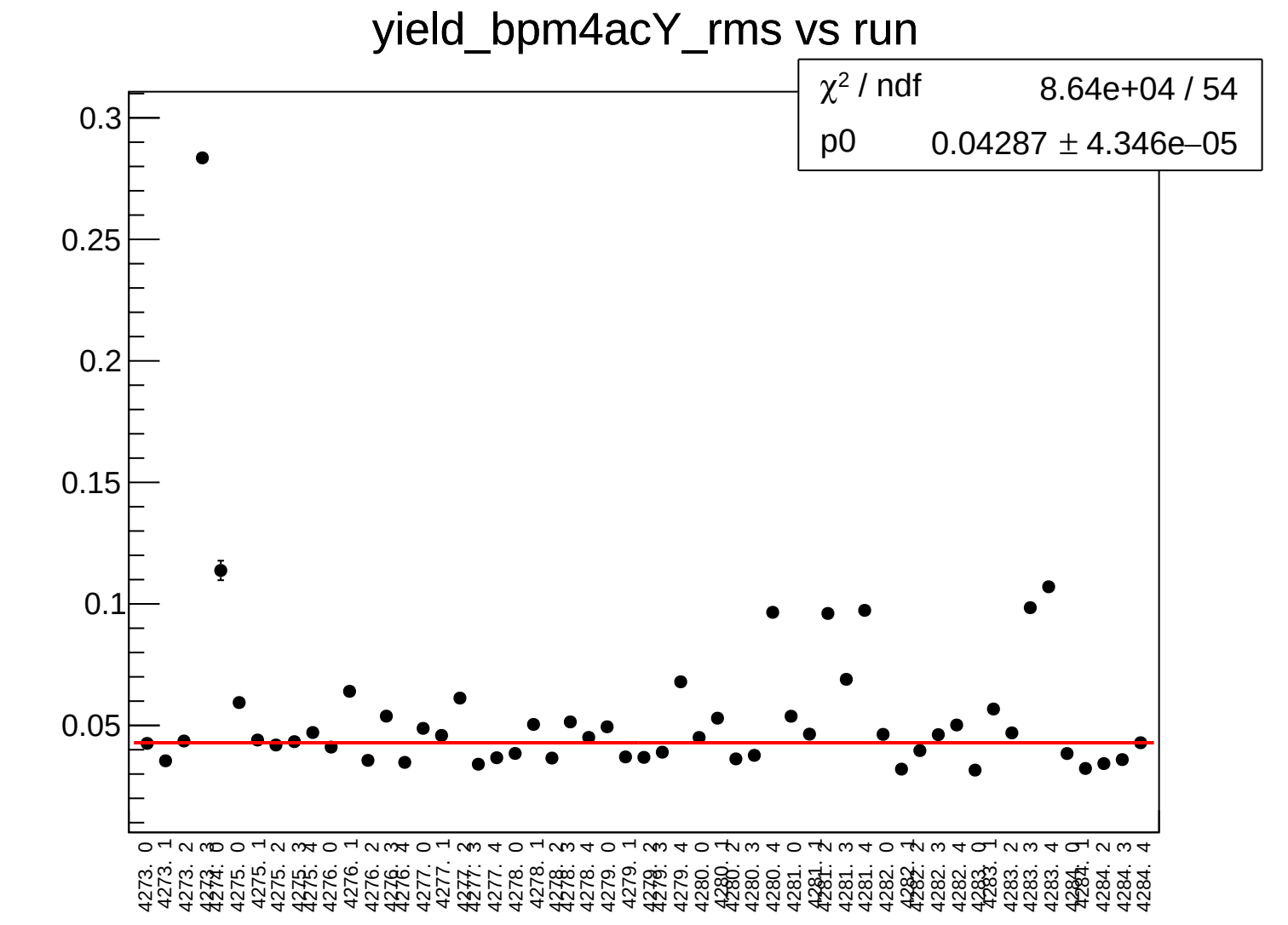
4284. 2
4284. 3
4284. 4


yield_bpm4acY_mean vs run
χ² / ndf 4.34e+04 / 54
p0 2.097 ± 6.146e−05
2.15
2.1
2.05
2
1.95
pull
Entries 55
Mean 201.7
Std Dev 204.8
80
60
40
20
0
−20
−40
−60


pull1D
Entries 55
Mean 2.2
Std Dev 3.816
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_bpm4acY_rms vs run
χ² / ndf 8.64e+04 / 54
p0 0.04287 ± 4.346e–05
0.3
0.25
0.2
0.15
0.1
0.05
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4277. 0
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4277. 4
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4278. 2
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4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
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4281. 2
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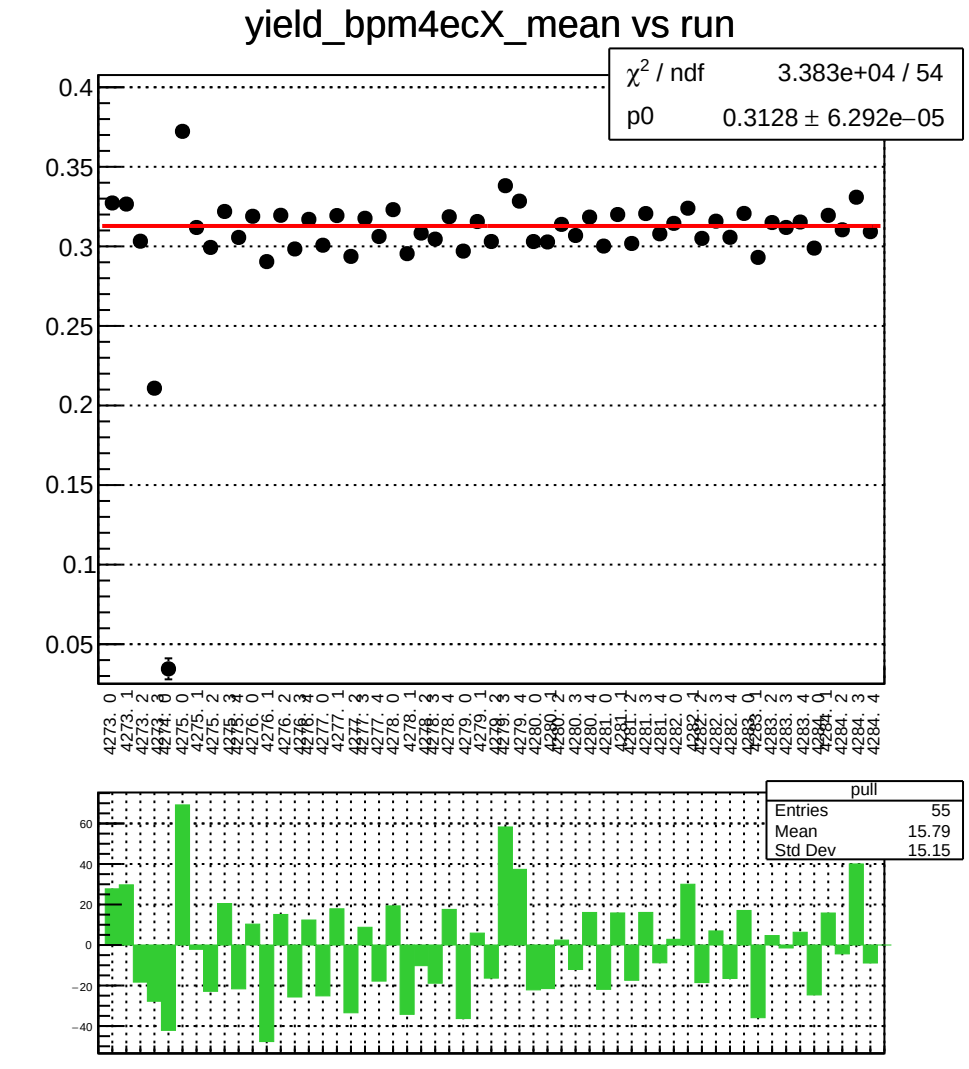
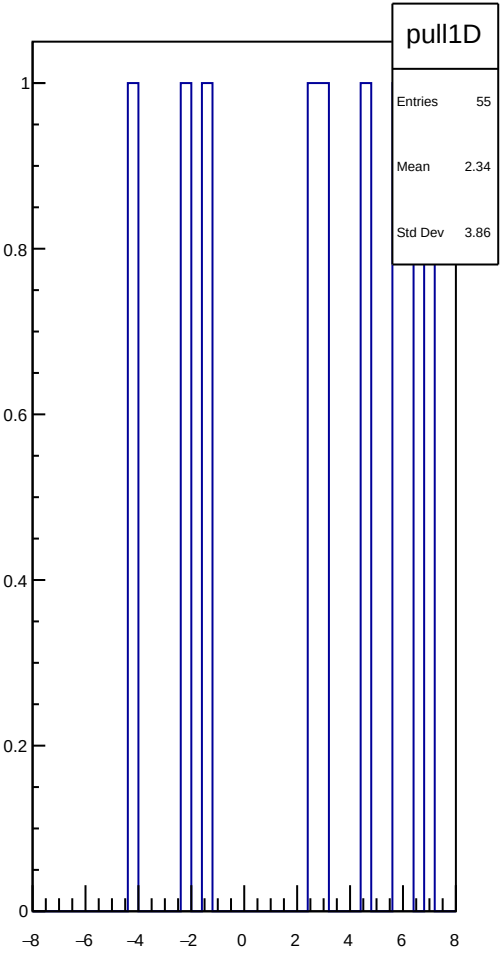
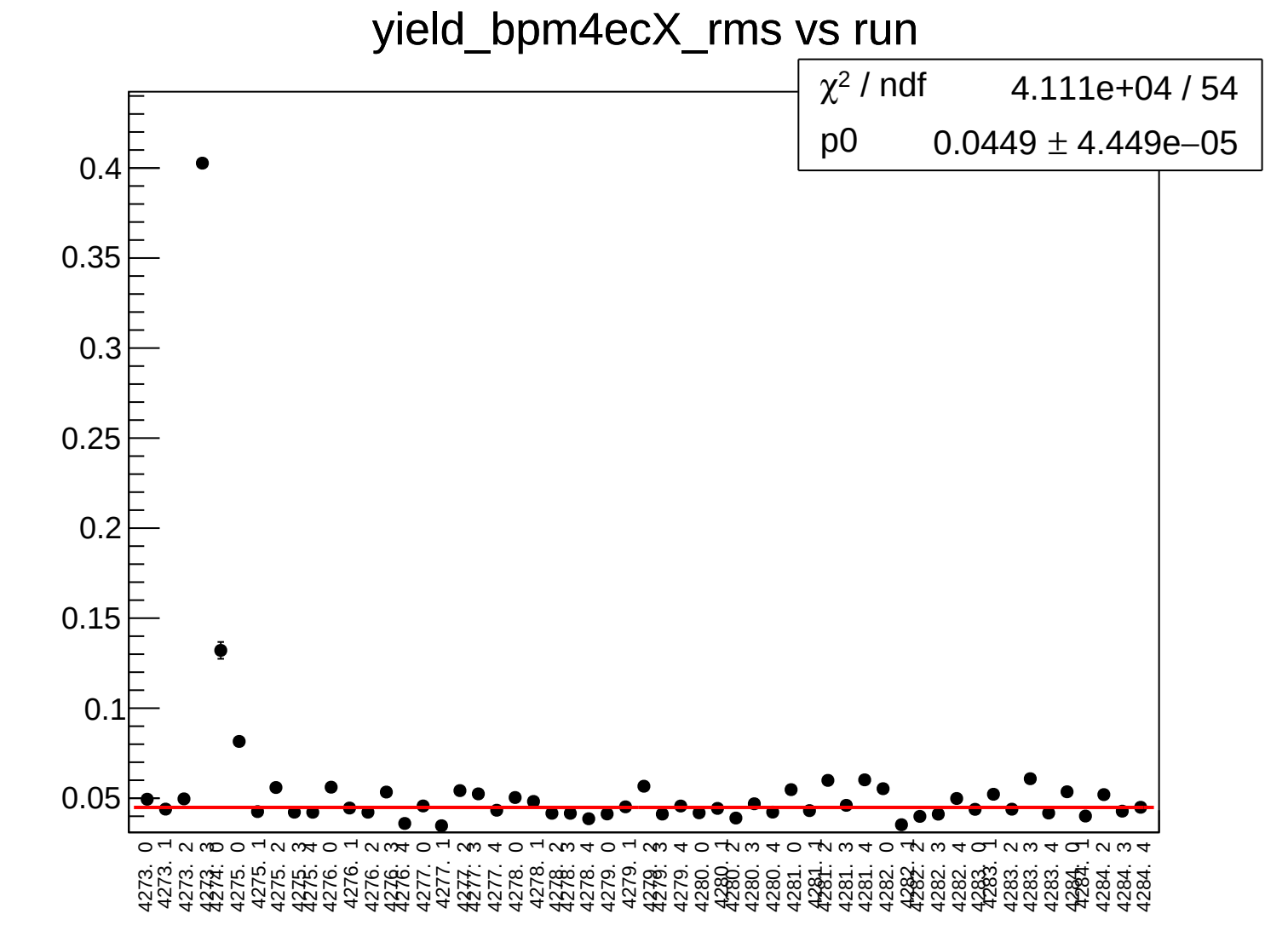
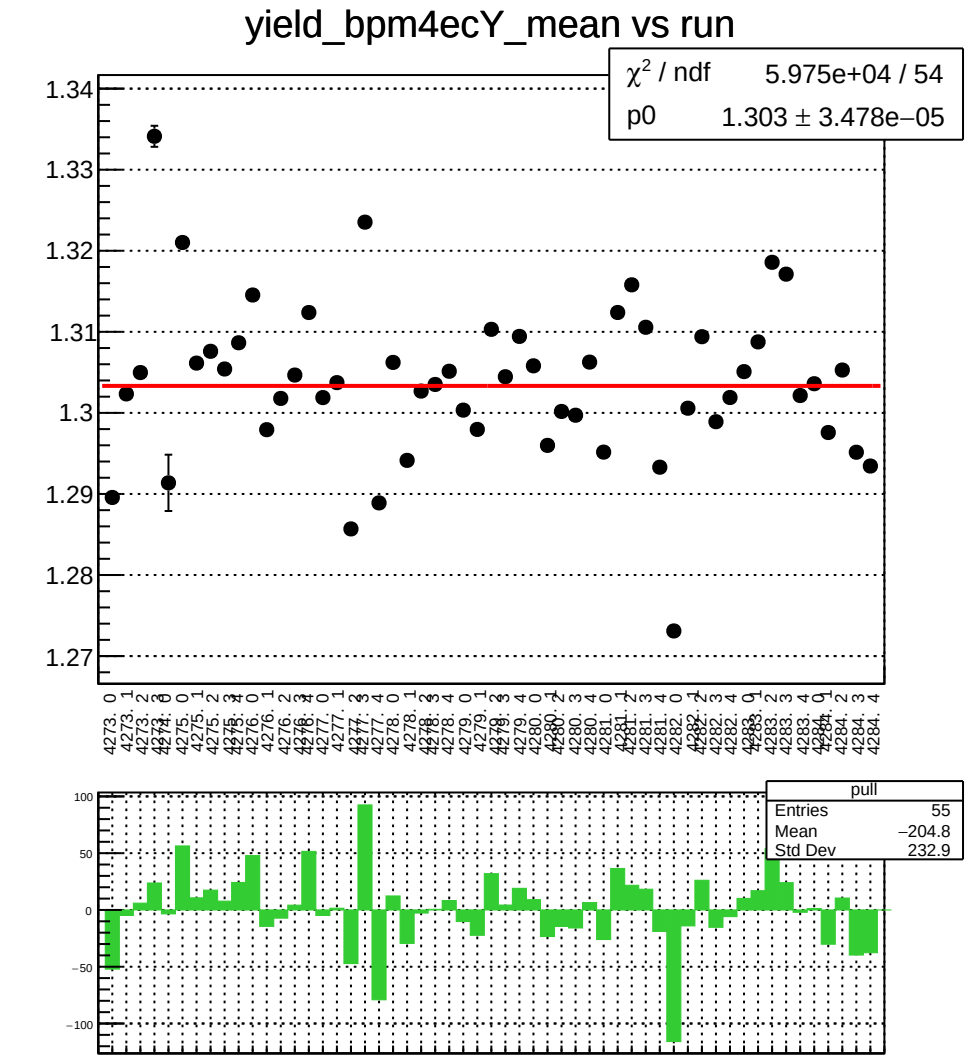
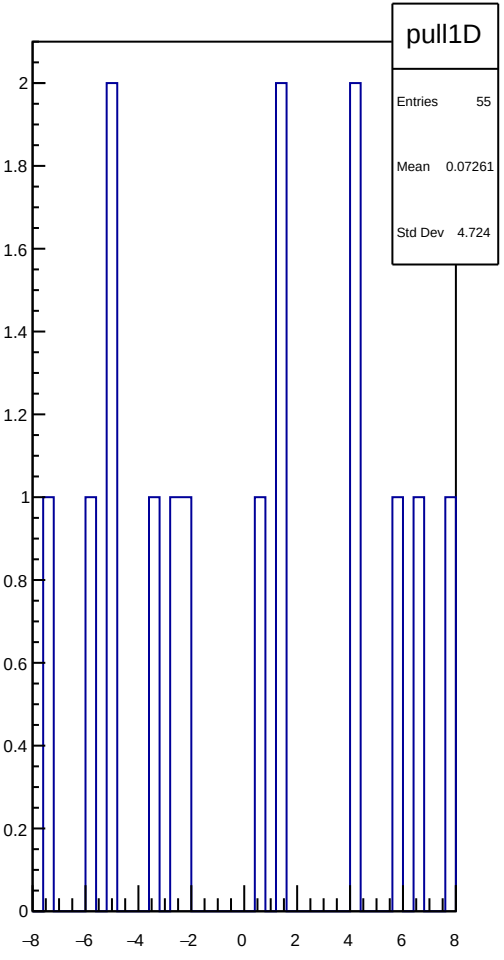
4284. 3
4284. 4

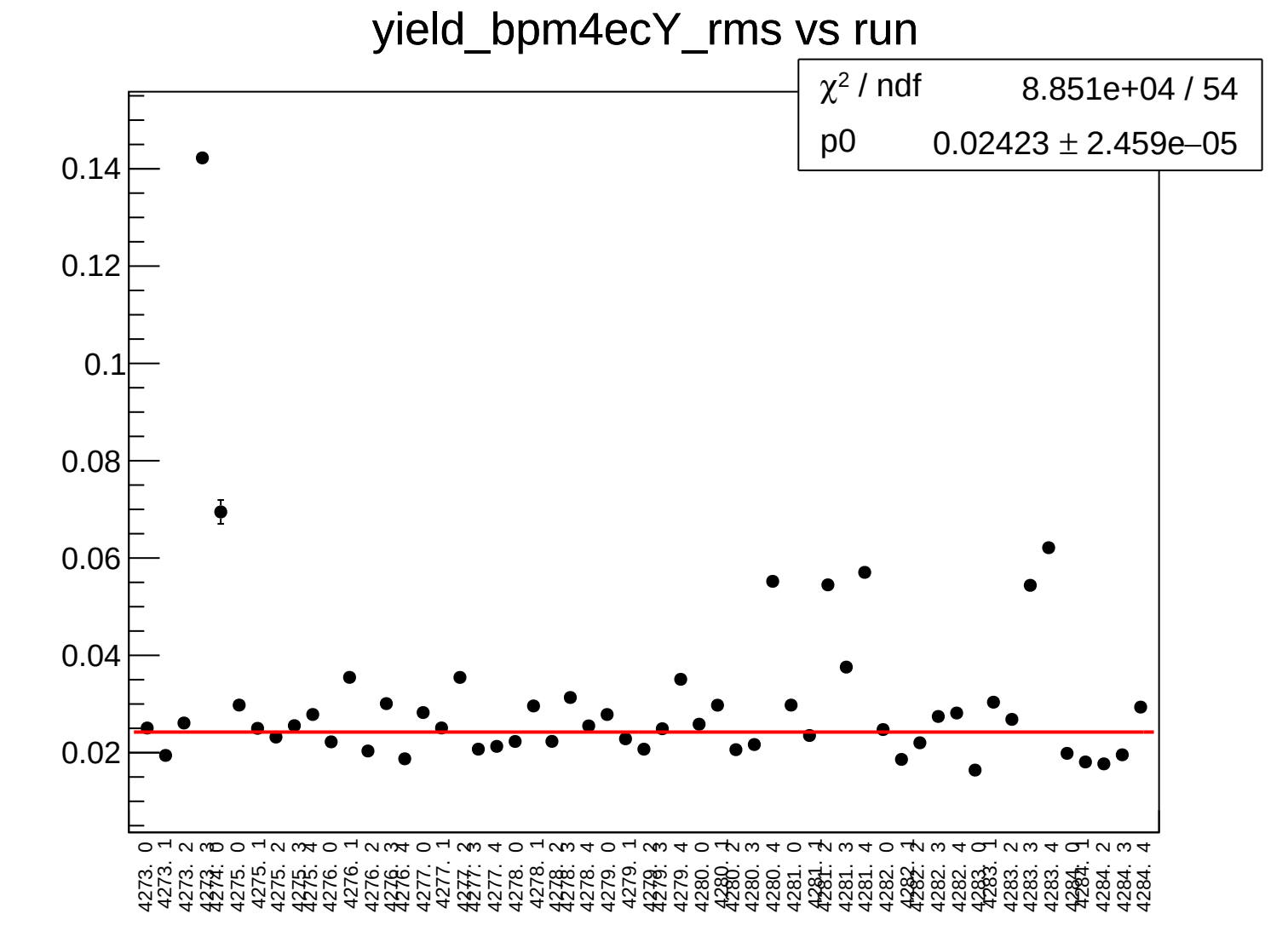

yield_bpm4ecX_mean vs run
χ² / ndf 3.383e+04 / 54
p0 0.3128 ± 6.292e−05
pull
Entries 55
Mean 15.79
Std Dev 15.15

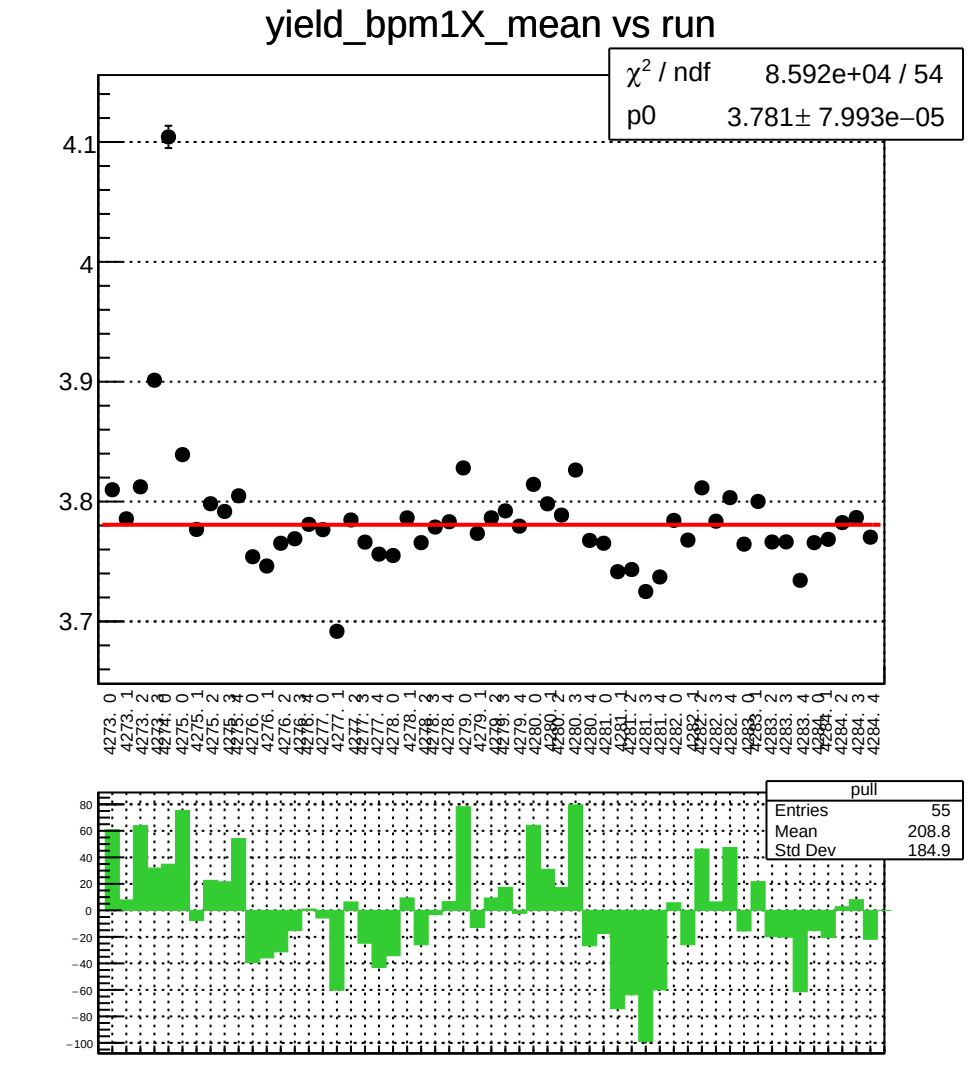

pull1D
Entries 55
Mean 2.34
Std Dev 3.86

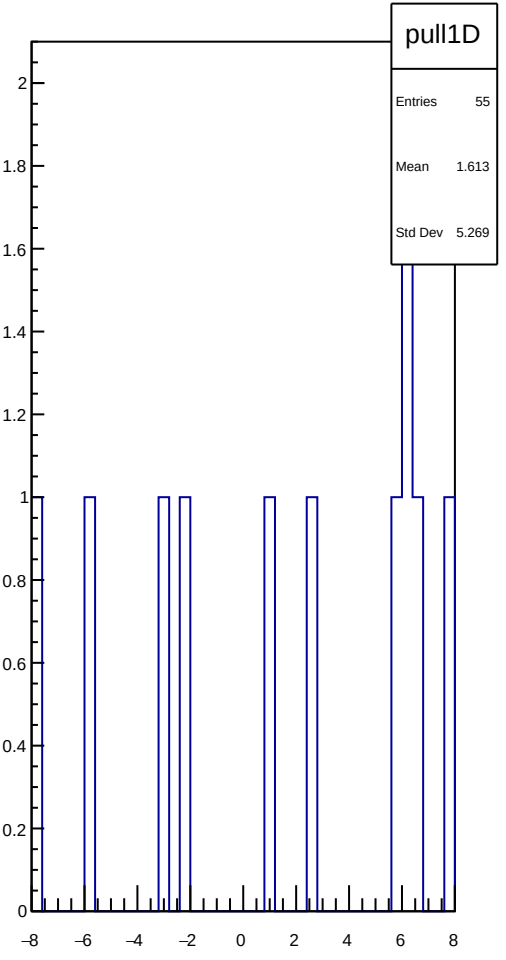

yield_bpm4ecX_rms vs run
χ² / ndf 4.111e+04 / 54
p0 0.0449 ± 4.449e−05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

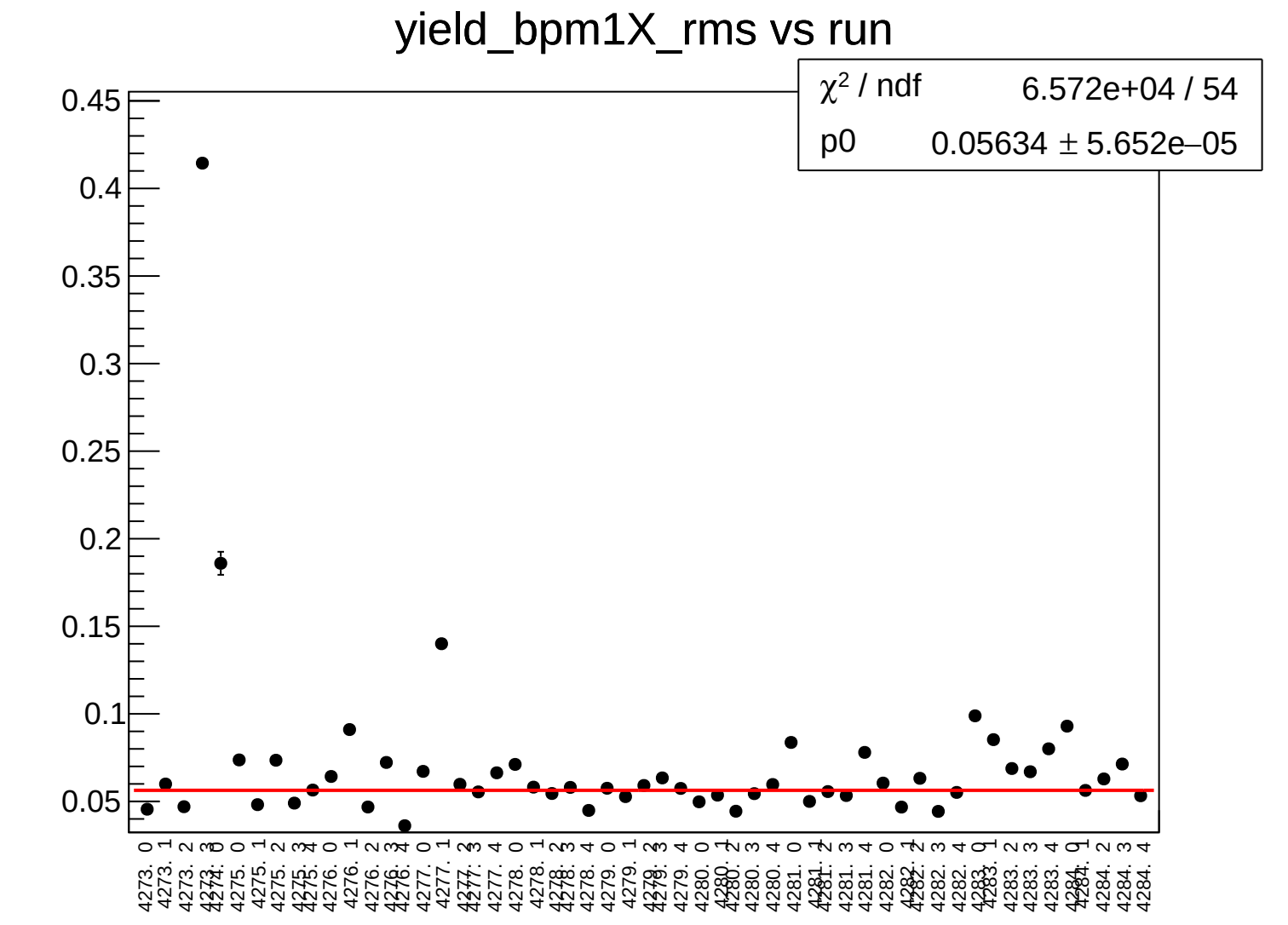

yield_bpm4ecY_mean vs run
χ² / ndf 5.975e+04 / 54
p0 1.303 ± 3.478e−05
1.34
1.33
1.32
1.31
1.3
1.29
1.28
1.27
pull
Entries 55
Mean −204.8
Std Dev 232.9
100
50
0
−50
−100

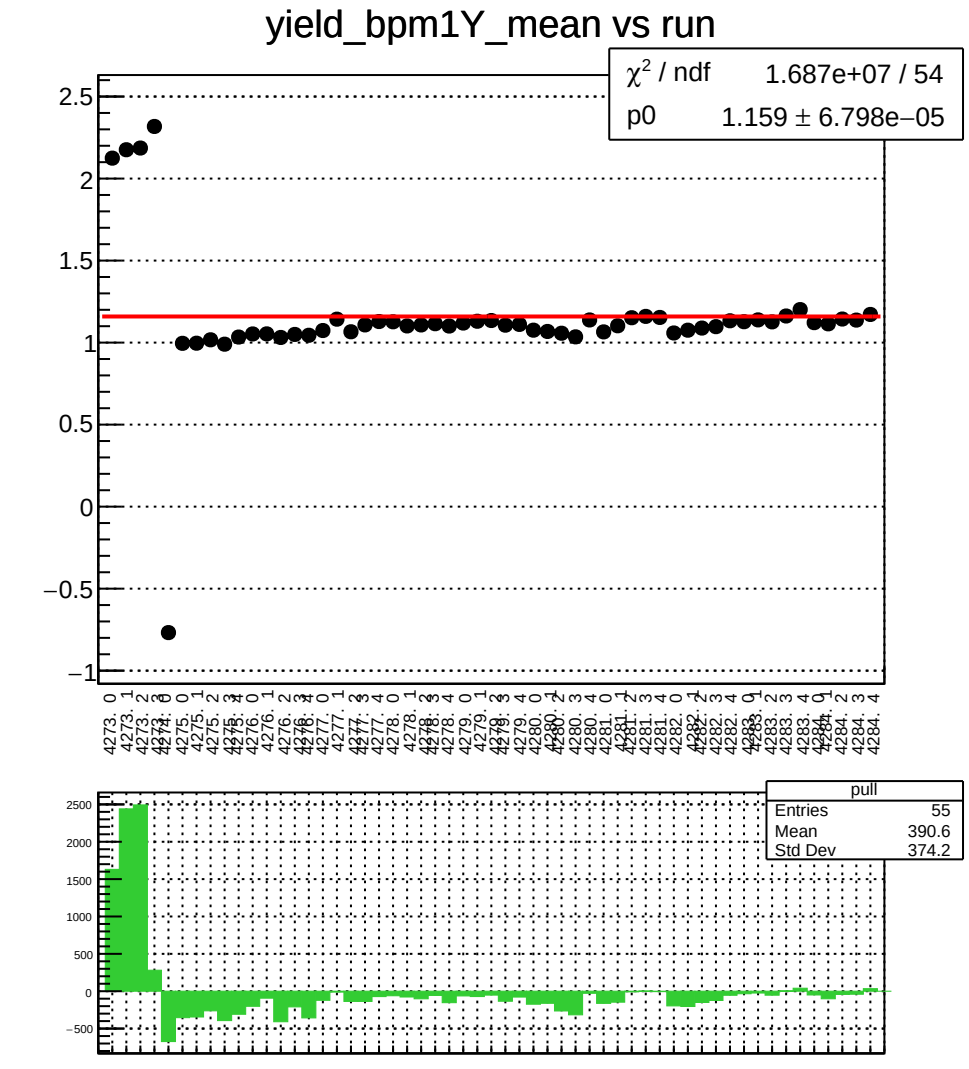

pull1D
Entries 55
Mean 0.07261
Std Dev 4.724
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

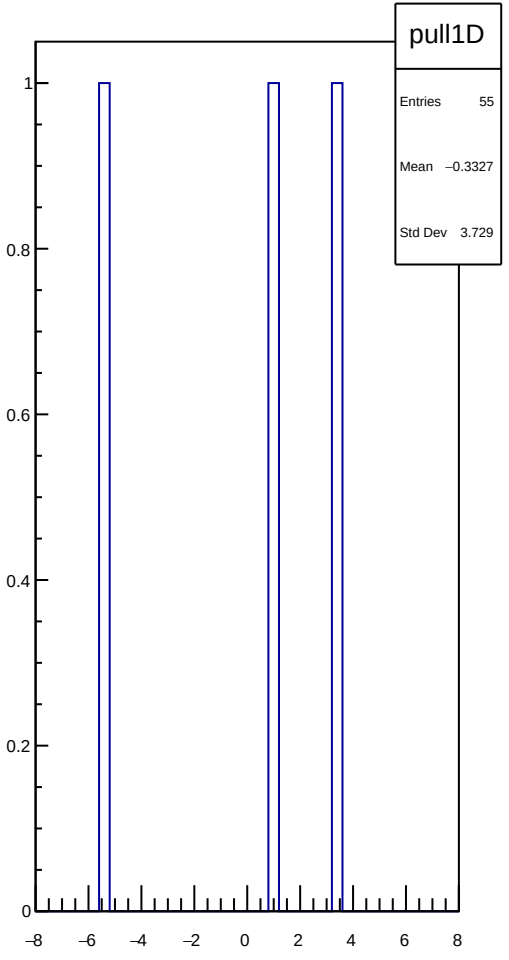

yield_bpm4ecY_rms vs run
χ² / ndf 8.851e+04 / 54
p0 0.02423 ± 2.459e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

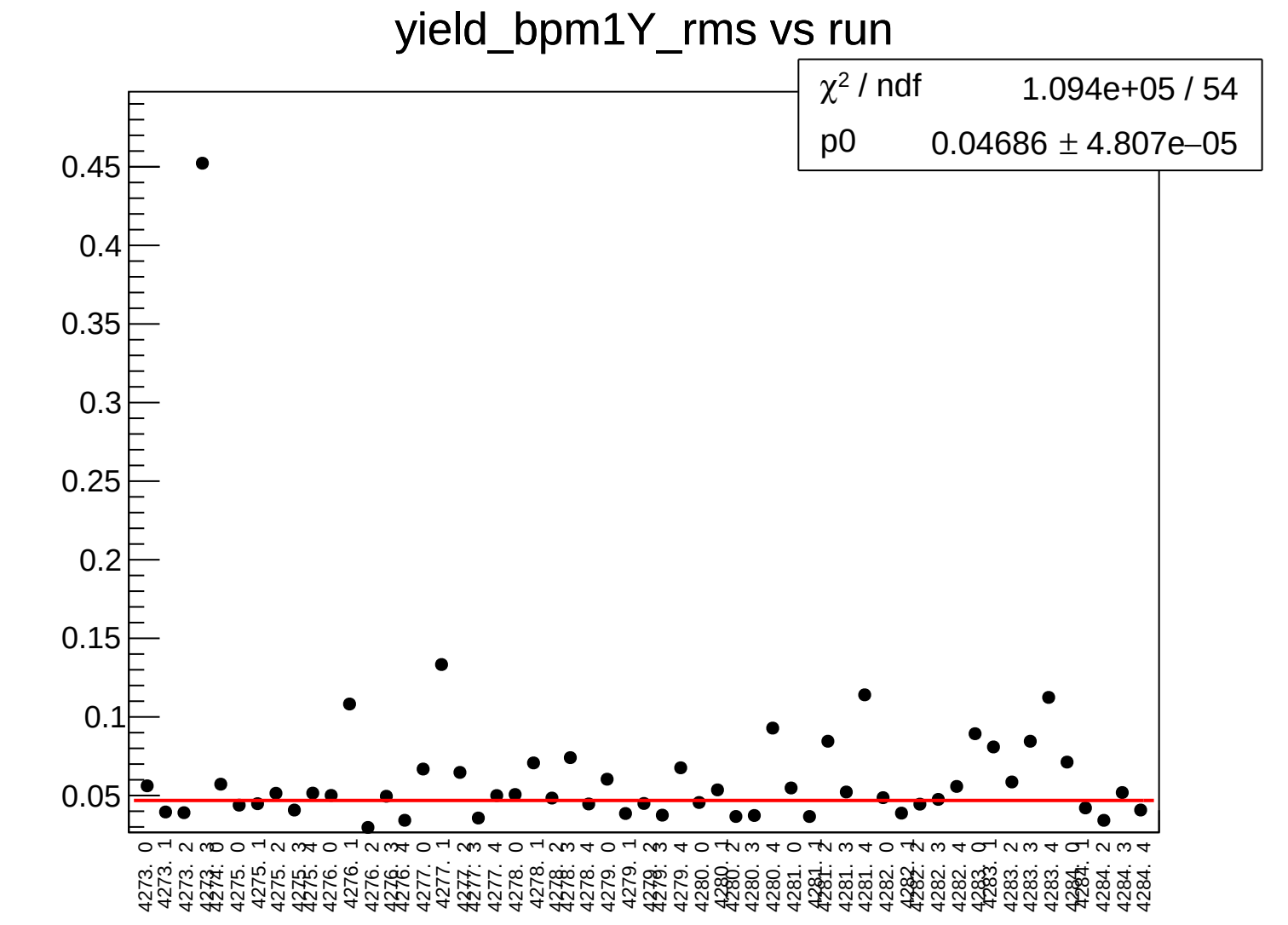

yield_bpm1X_mean vs run
χ² / ndf 8.592e+04 / 54
p0 3.781± 7.993e−05
4.1
4
3.9
3.8
3.7
pull
Entries 55
Mean 208.8
Std Dev 184.9
80
60
40
20
0
−20
−40
−60
−80
−100

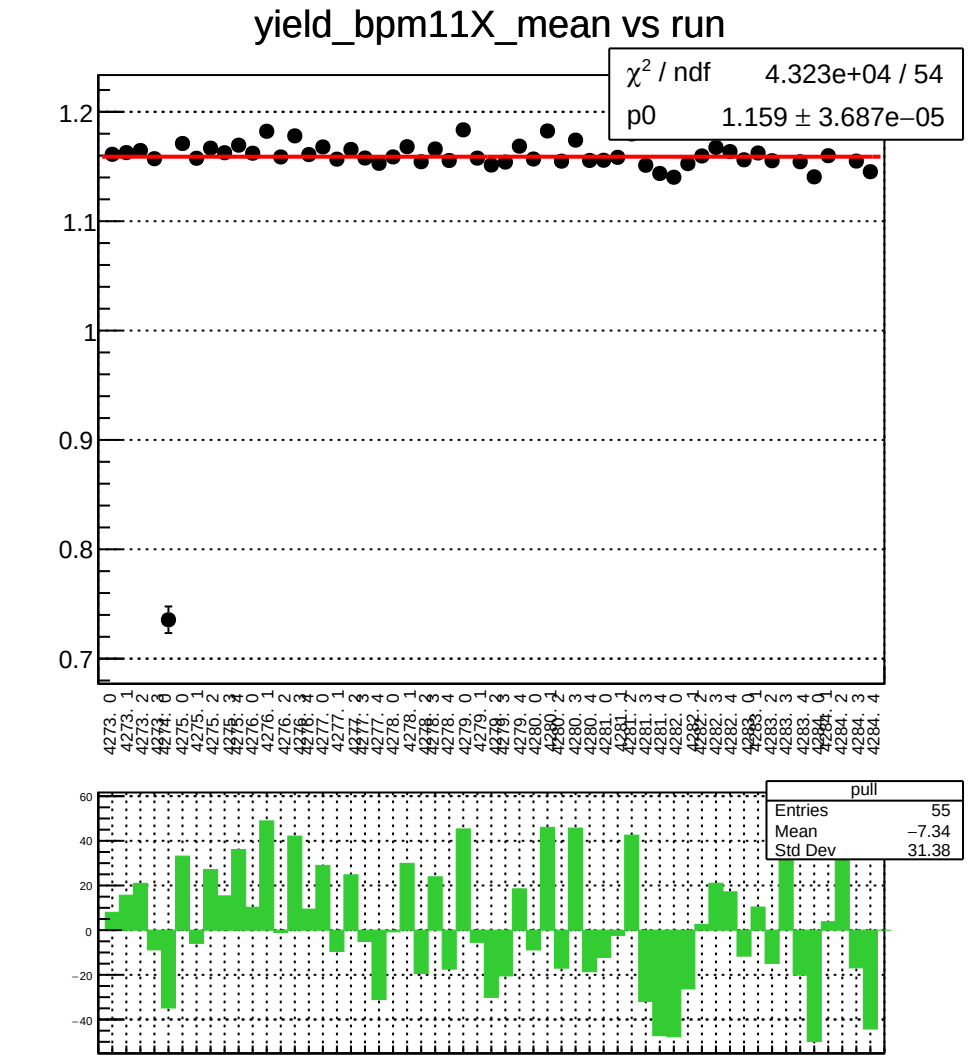

pull1D
Entries 55
Mean 1.613
Std Dev 5.269
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

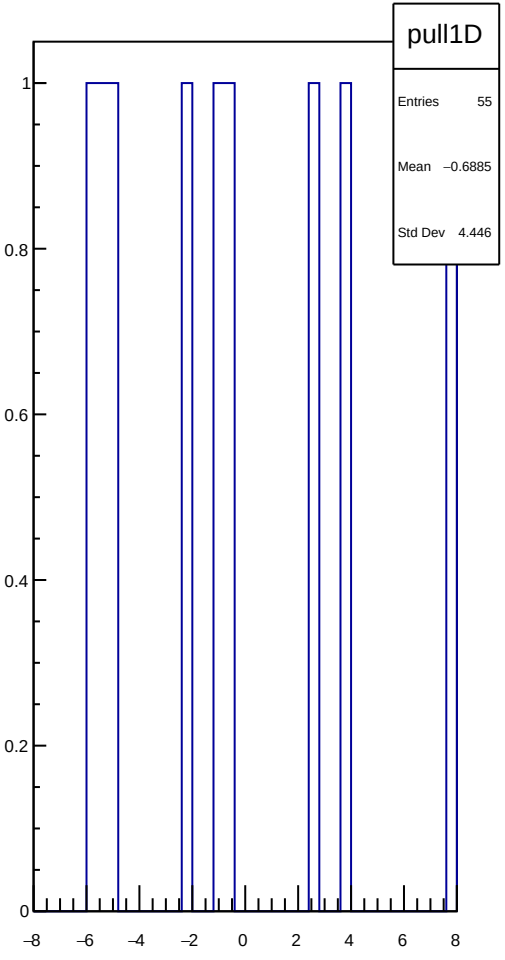

yield_bpm1X_rms vs run
χ² / ndf 6.572e+04 / 54
p0 0.05634 ± 5.652e–05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

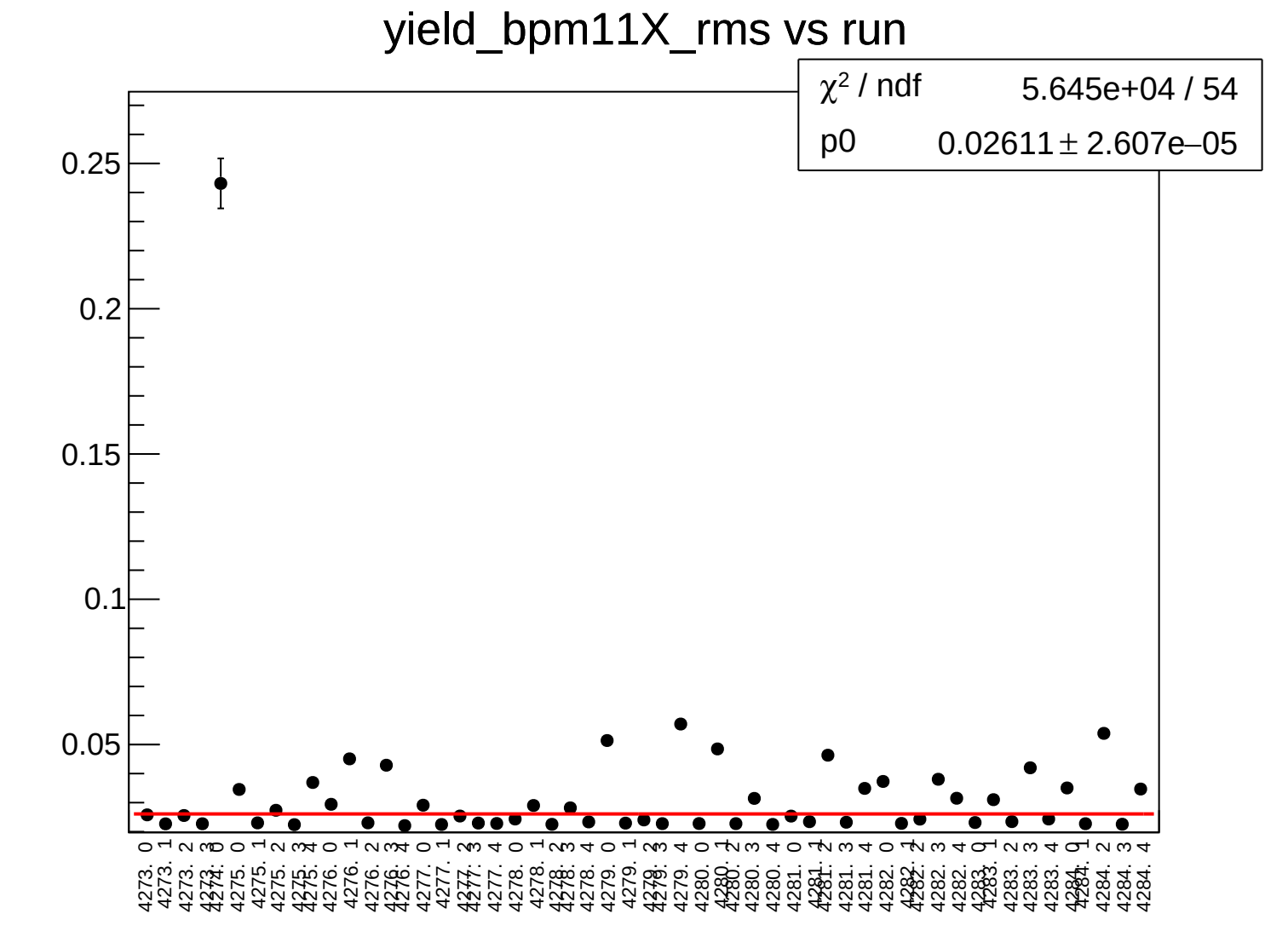

yield_bpm1Y_mean vs run
χ² / ndf 1.687e+07 / 54
p0 1.159 ± 6.798e−05
pull
Entries 55
Mean 390.6
Std Dev 374.2

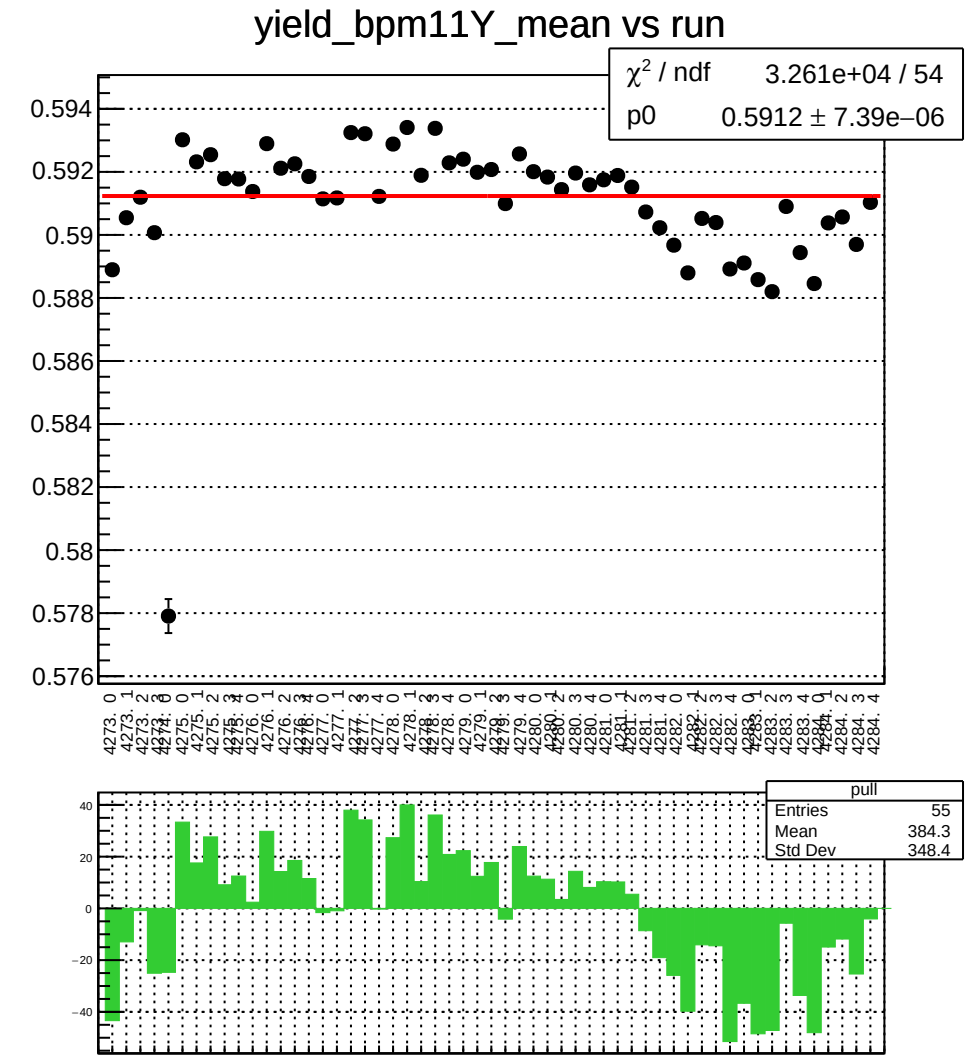

pull1D
Entries 55
Mean −0.3327
Std Dev 3.729

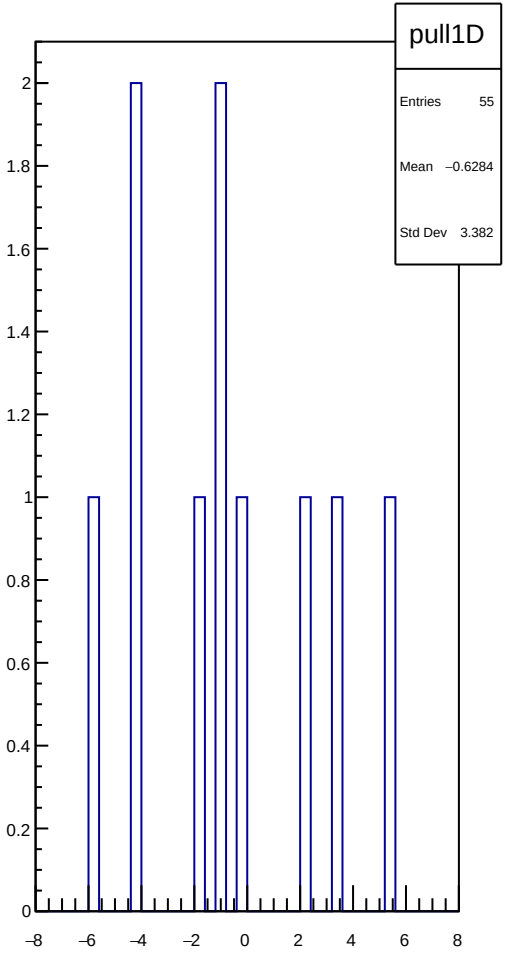

yield_bpm1Y_rms vs run
χ² / ndf 1.094e+05 / 54
p0 0.04686 ± 4.807e–05
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

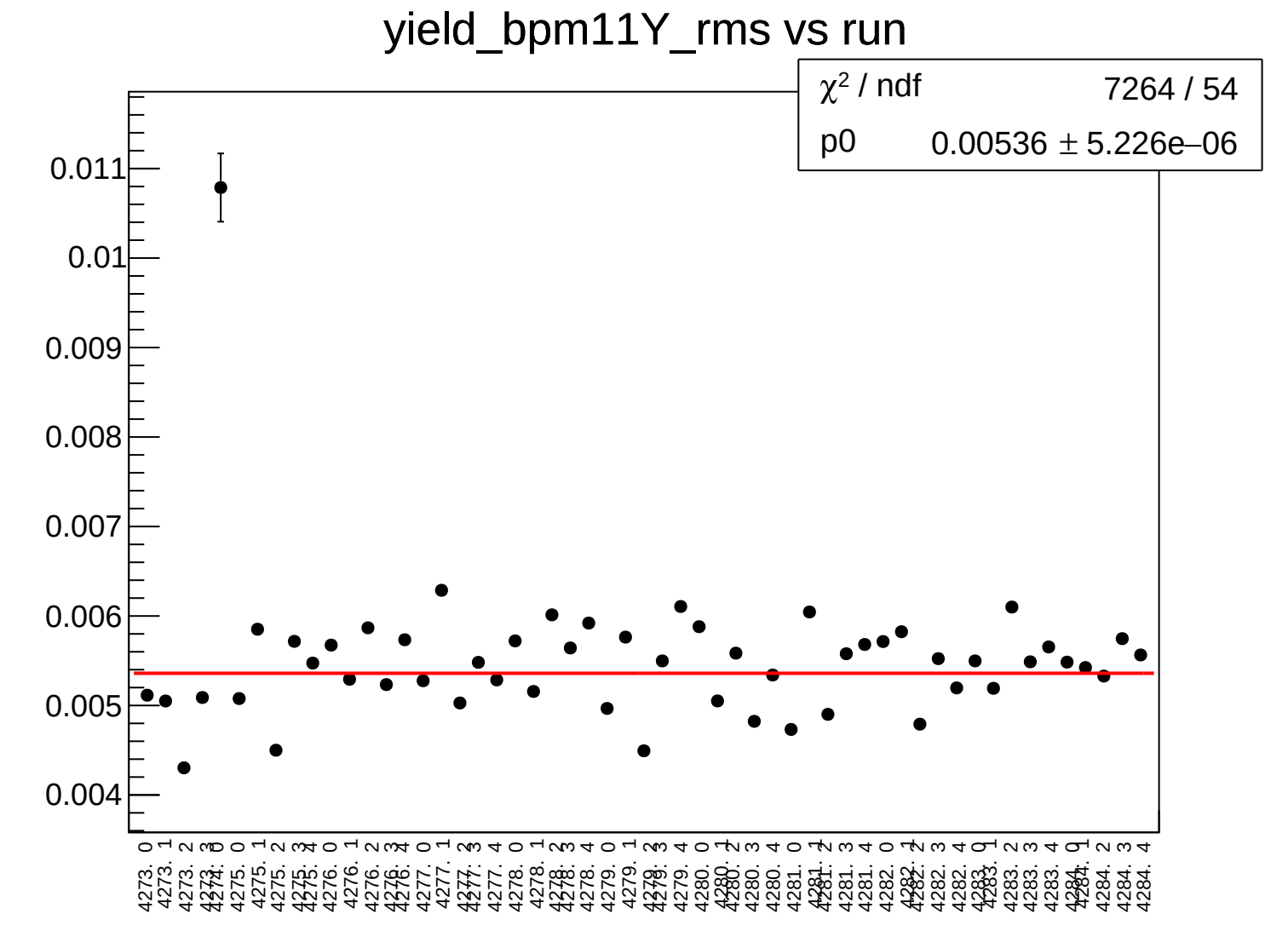

yield_bpm11X_mean vs run
χ² / ndf 4.323e+04 / 54
p0 1.159 ± 3.687e−05
pull
Entries 55
Mean −7.34
Std Dev 31.38

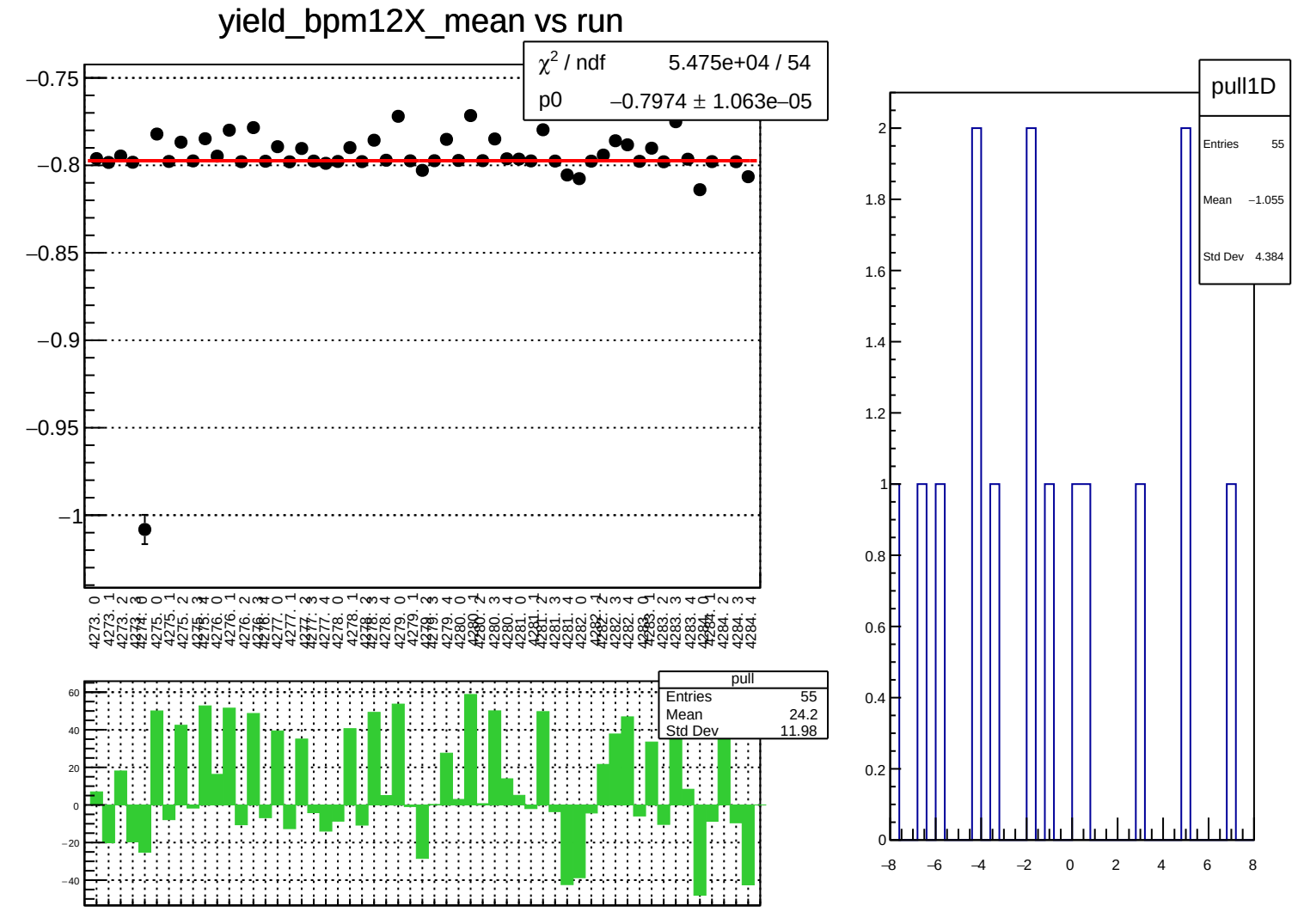

pull1D
Entries 55
Mean −0.6885
Std Dev 4.446

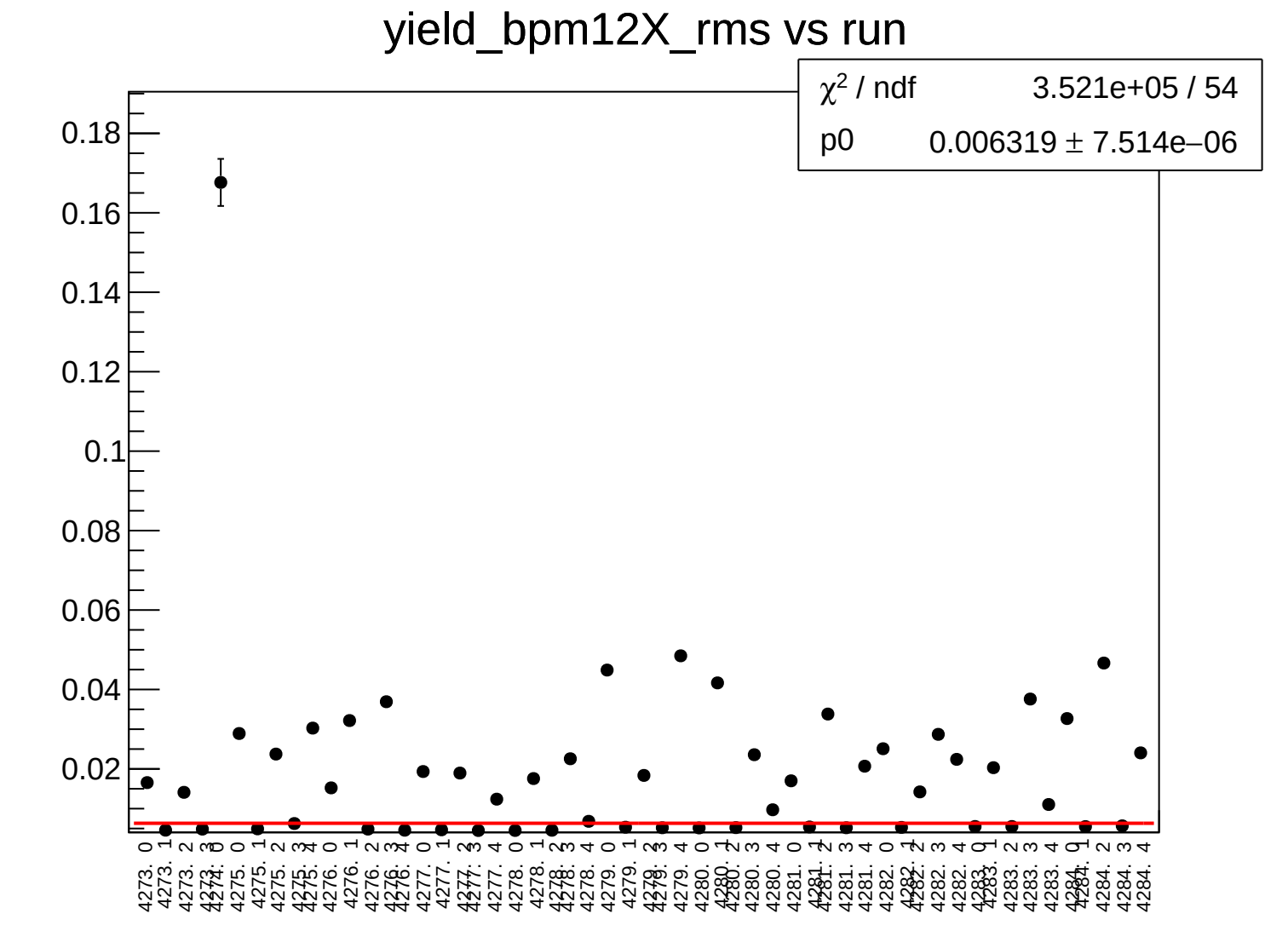

yield_bpm11X_rms vs run
χ² / ndf 5.645e+04 / 54
p0 0.02611 ± 2.607e–05
0.25
0.2
0.15
0.1
0.05
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bpm11Y_mean vs run
χ² / ndf 3.261e+04 / 54
p0 0.5912 ± 7.39e−06
pull
Entries 55
Mean 384.3
Std Dev 348.4


pull1D
Entries 55
Mean −0.6284
Std Dev 3.382


yield_bpm11Y_rms vs run
χ² / ndf 7264 / 54
p0 0.00536 ± 5.226e–06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bpm12X_mean vs run
χ² / ndf 5.475e+04 / 54
p0 −0.7974 ± 1.063e−05
−0.75
−0.8
−0.85
−0.9
−0.95
−1
pull
Entries 55
Mean 24.2
Std Dev 11.98
60
40
20
0
−20
−40
pull1D
Entries 55
Mean −1.055
Std Dev 4.384
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_bpm12X_rms vs run
χ² / ndf 3.521e+05 / 54
p0 0.006319 ± 7.514e−06
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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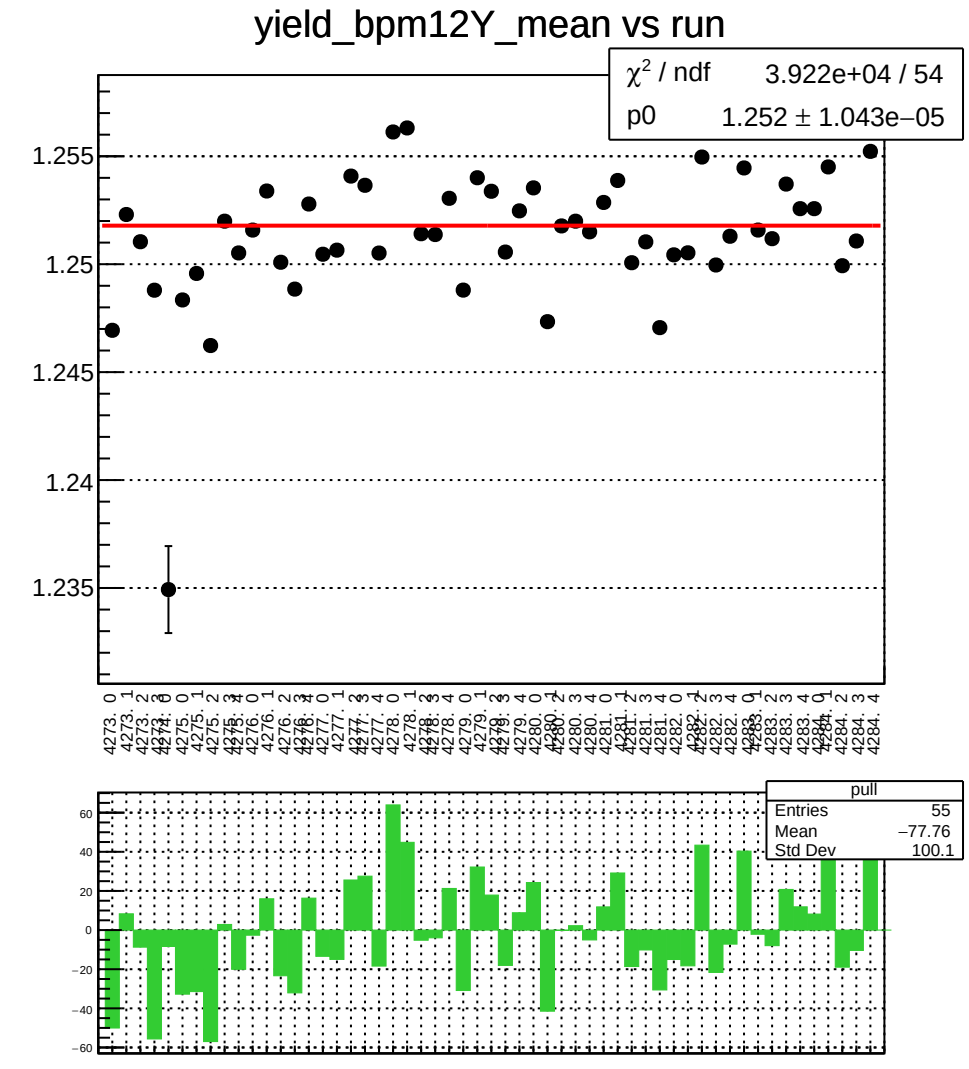
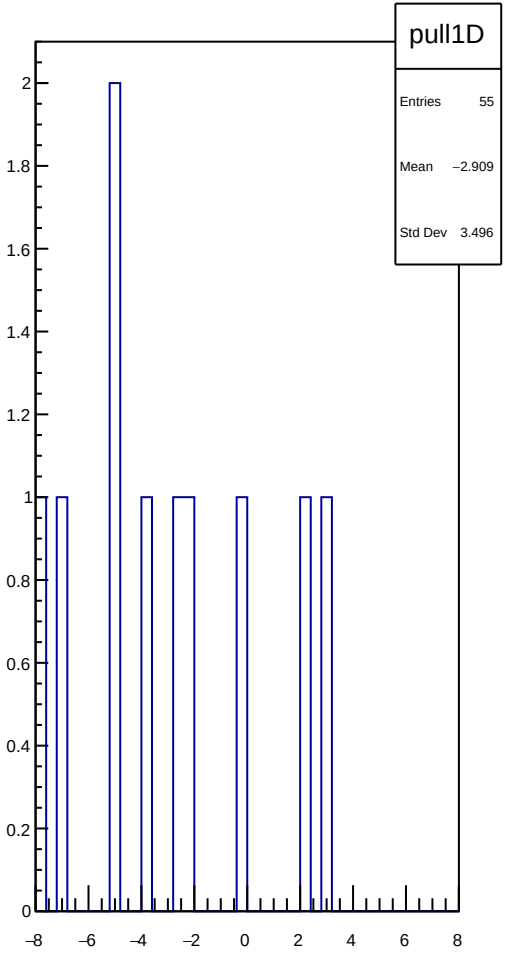
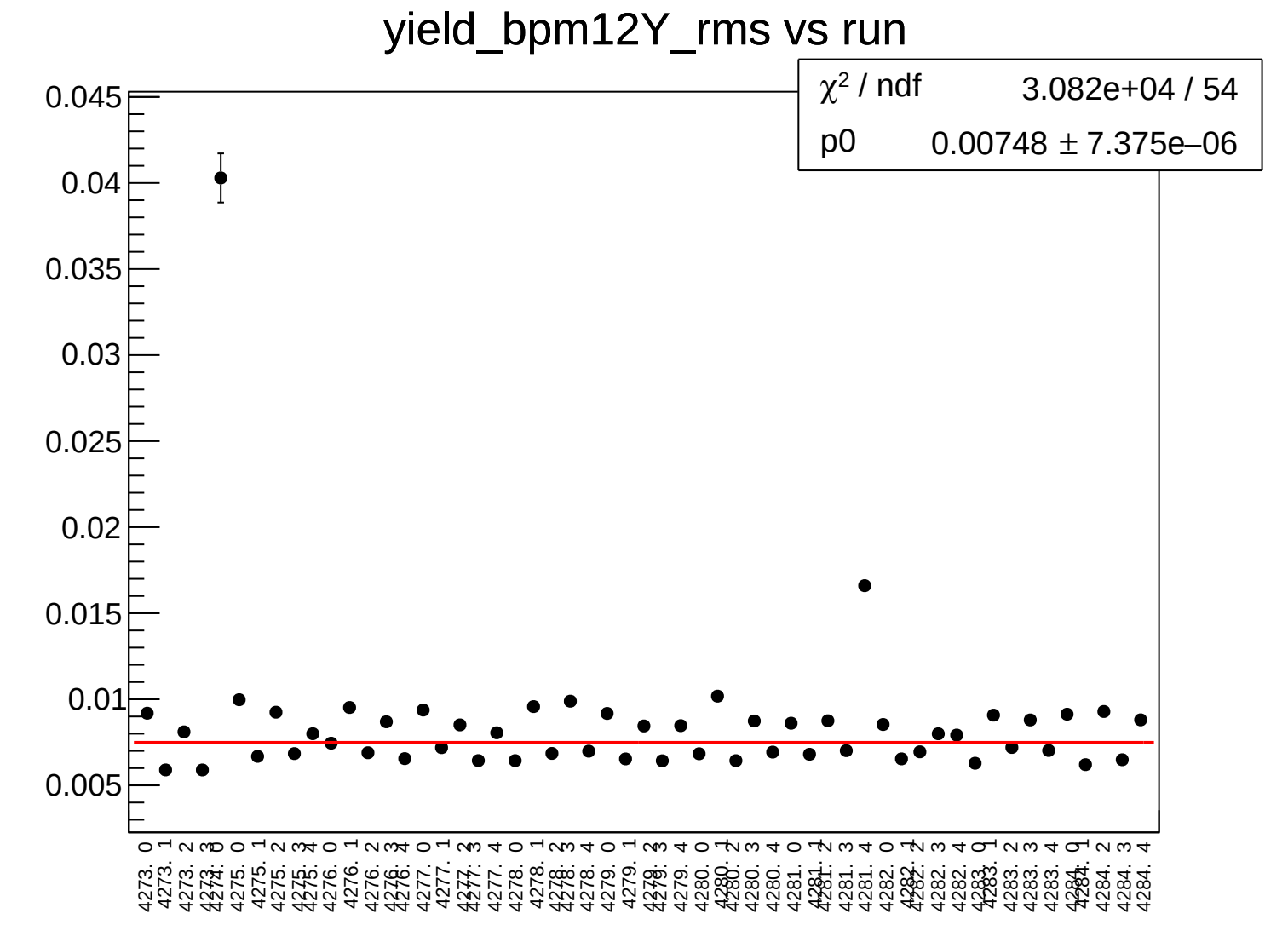
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bpm12Y_mean vs run
χ² / ndf 3.922e+04 / 54
p0 1.252 ± 1.043e−05
1.255
1.25
1.245
1.24
1.235
pull
Entries 55
Mean −77.76
Std Dev 100.1
60
40
20
0
−20
−40
−60


pull1D
Entries 55
Mean −2.909
Std Dev 3.496
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_bpm12Y_rms vs run
χ² / ndf 3.082e+04 / 54
p0 0.00748 ± 7.375e–06
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
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4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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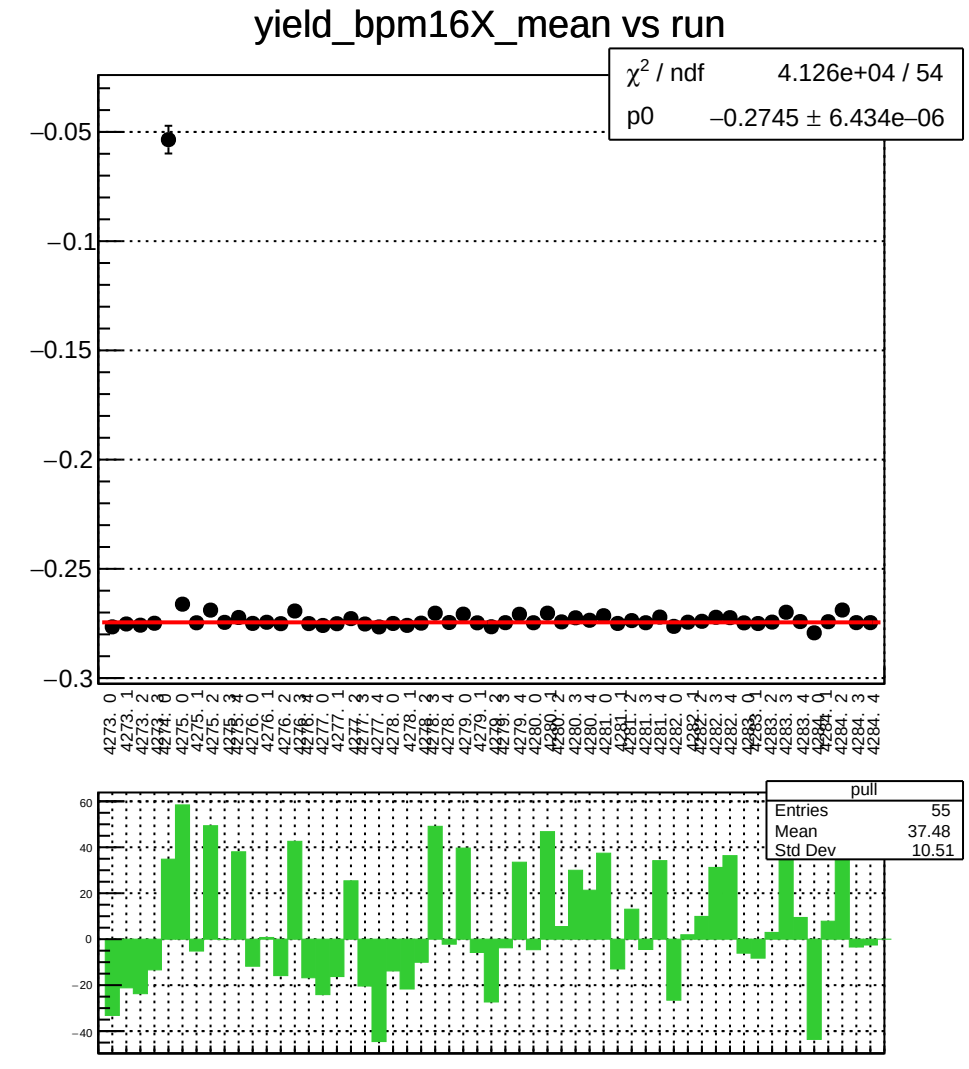
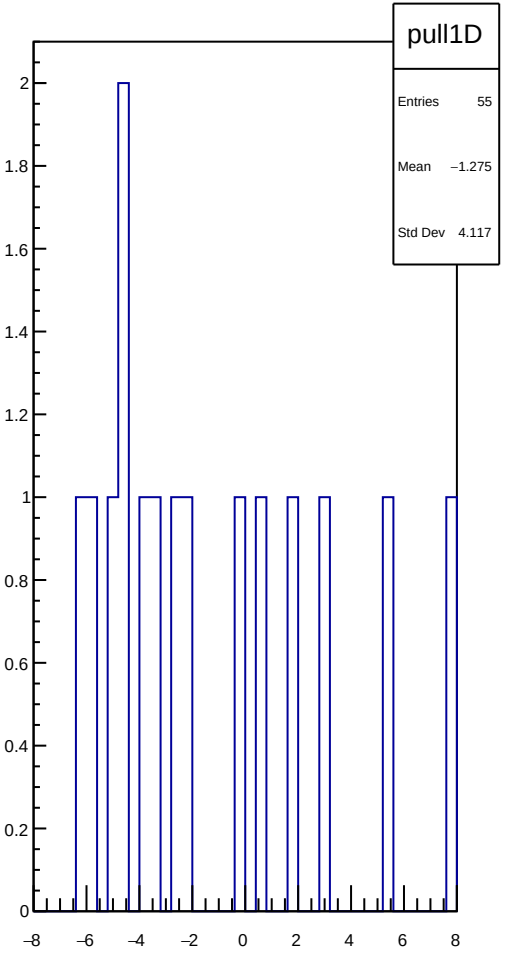
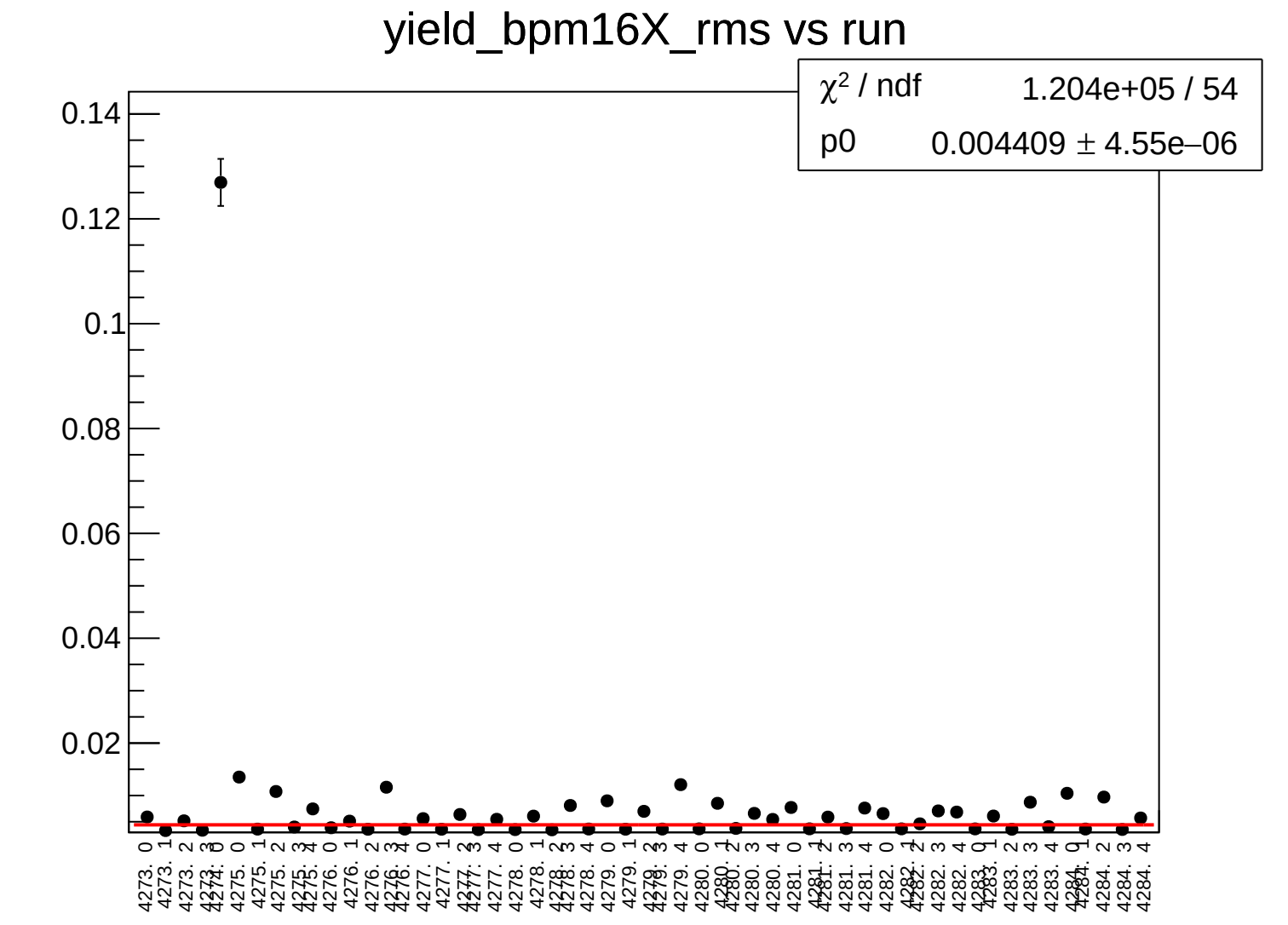
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bpm16X_mean vs run
χ² / ndf 4.126e+04 / 54
p0 −0.2745 ± 6.434e−06
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 55
Mean 37.48
Std Dev 10.51
60
40
20
0
−20
−40


pull1D
Entries 55
Mean −1.275
Std Dev 4.117
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_bpm16X_rms vs run
χ² / ndf 1.204e+05 / 54
p0 0.004409 ± 4.55e−06
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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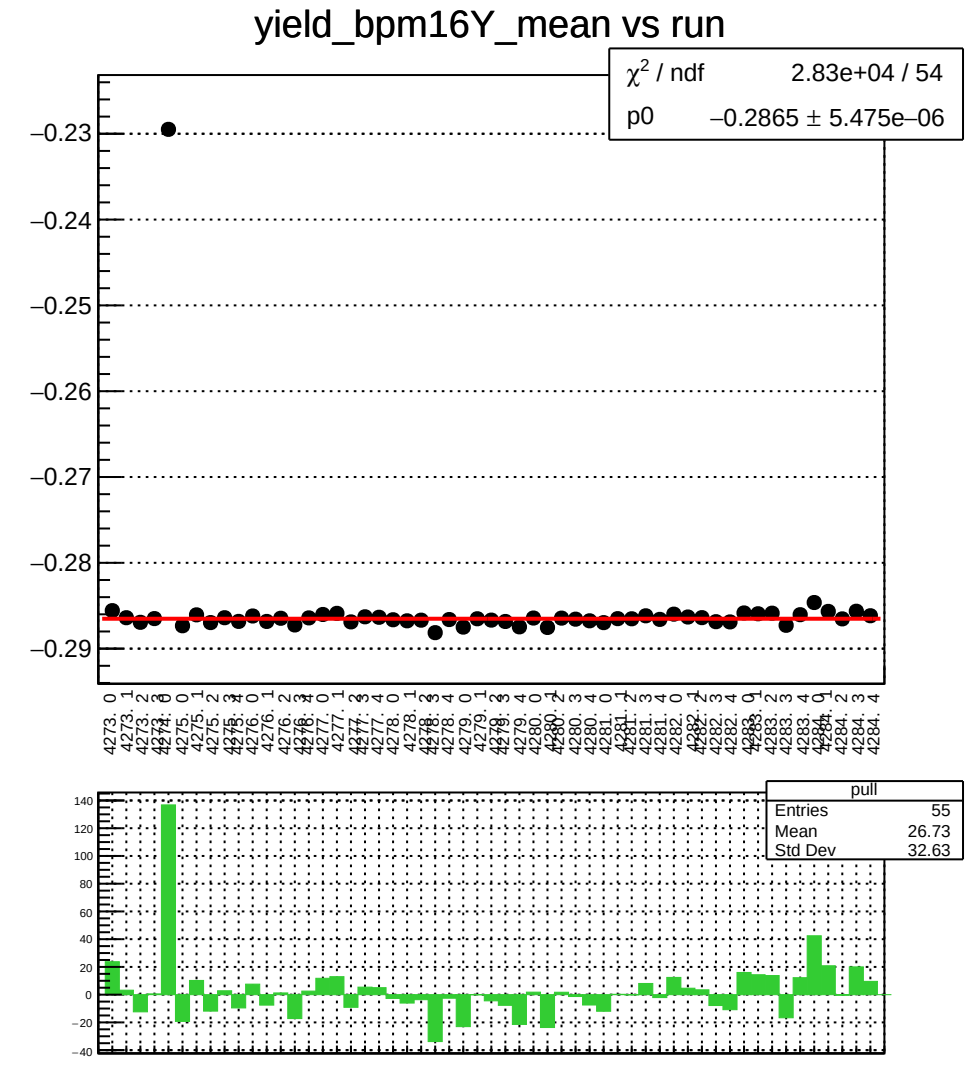
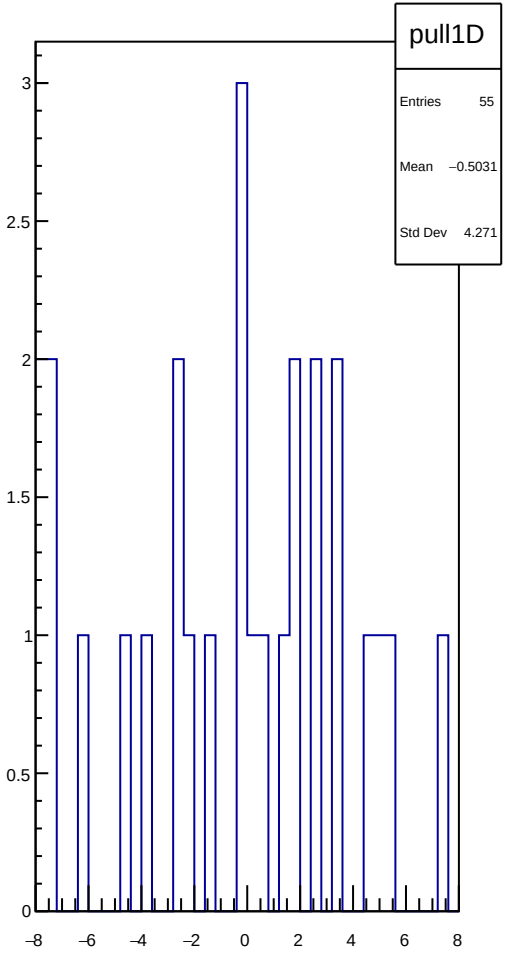
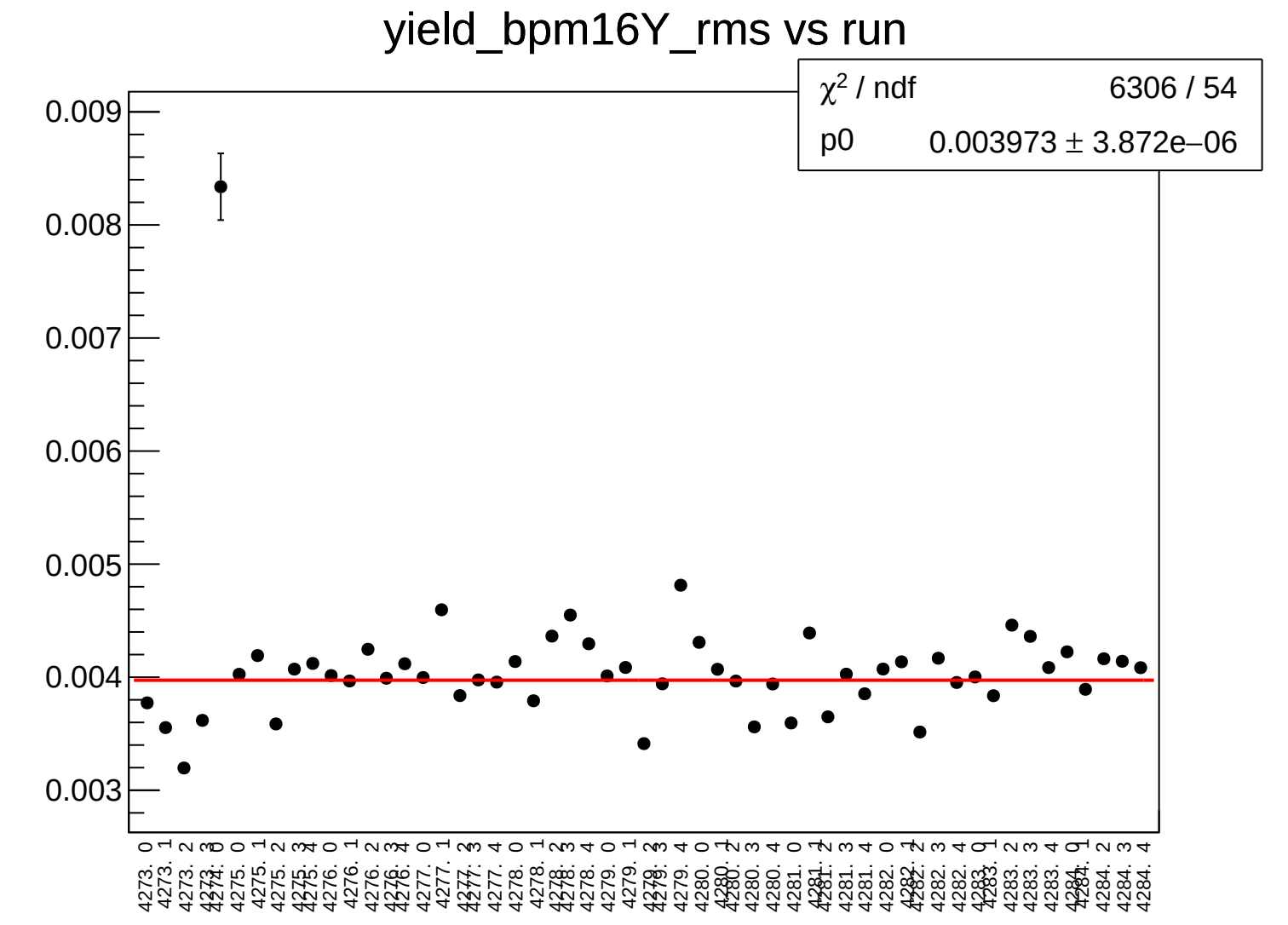
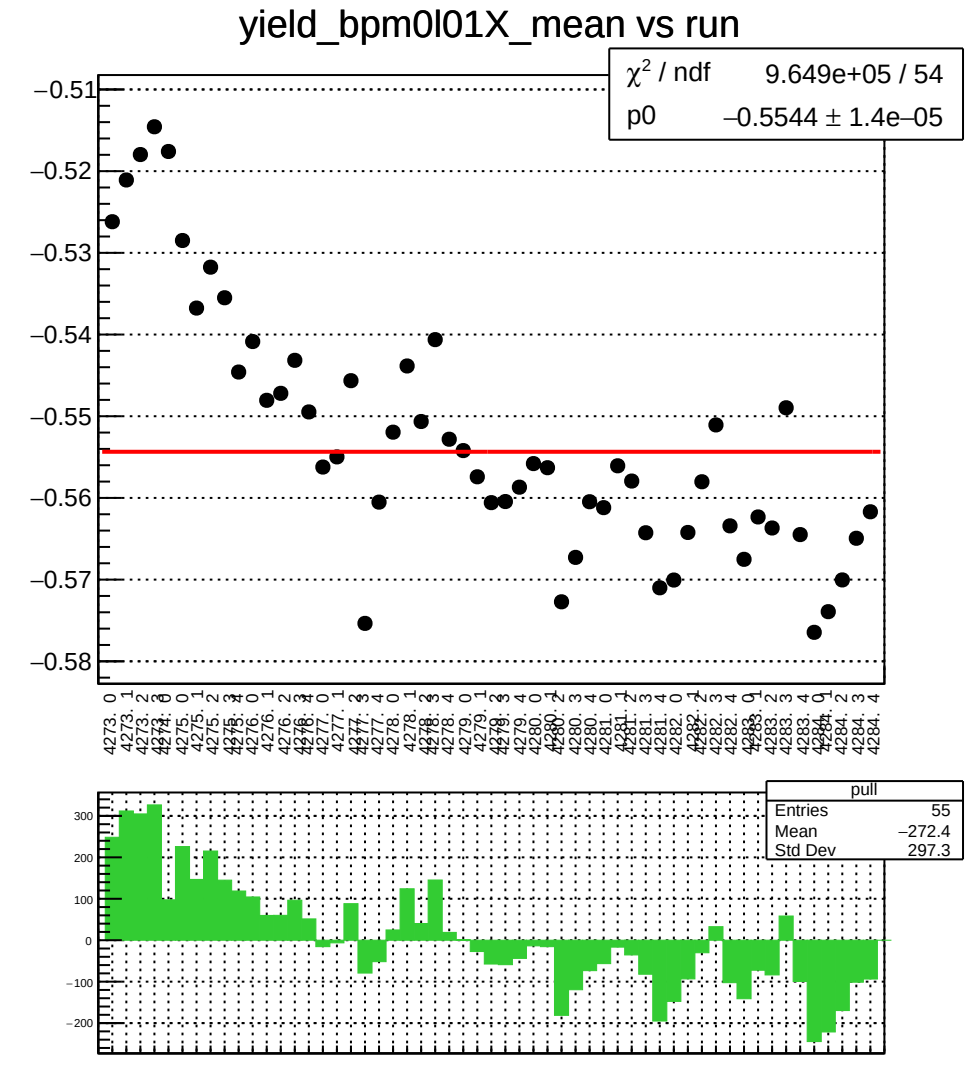
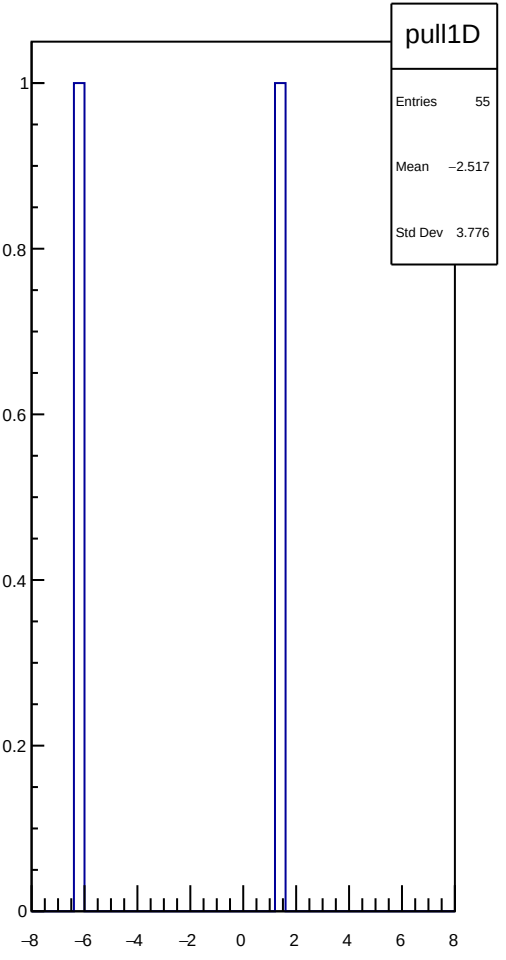
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

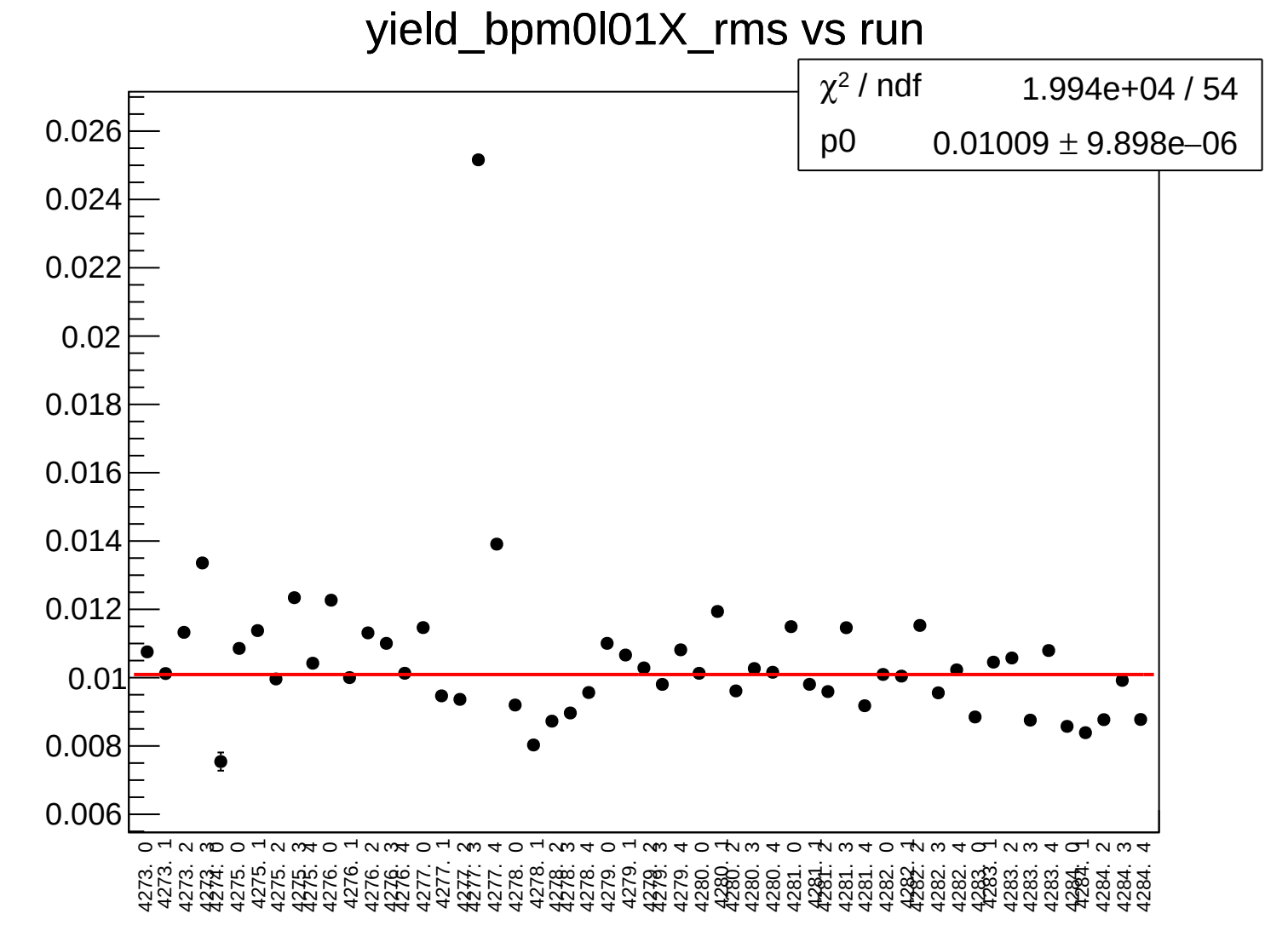

yield_bpm16Y_mean vs run
χ² / ndf 2.83e+04 / 54
p0 −0.2865 ± 5.475e−06
−0.23
−0.24
−0.25
−0.26
−0.27
−0.28
−0.29
pull
Entries 55
Mean 26.73
Std Dev 32.63
140
120
100
80
60
40
20
0
−20
−40

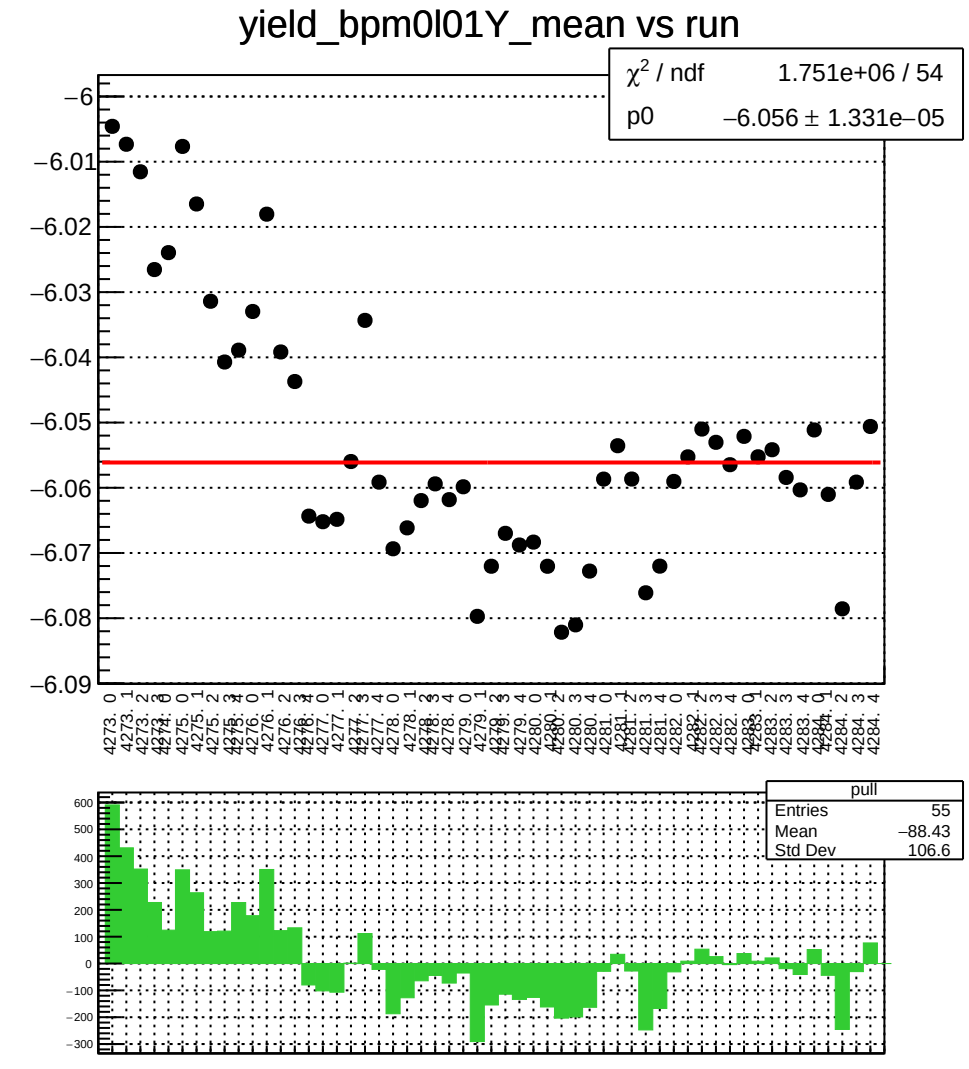

pull1D
Entries 55
Mean −0.5031
Std Dev 4.271
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

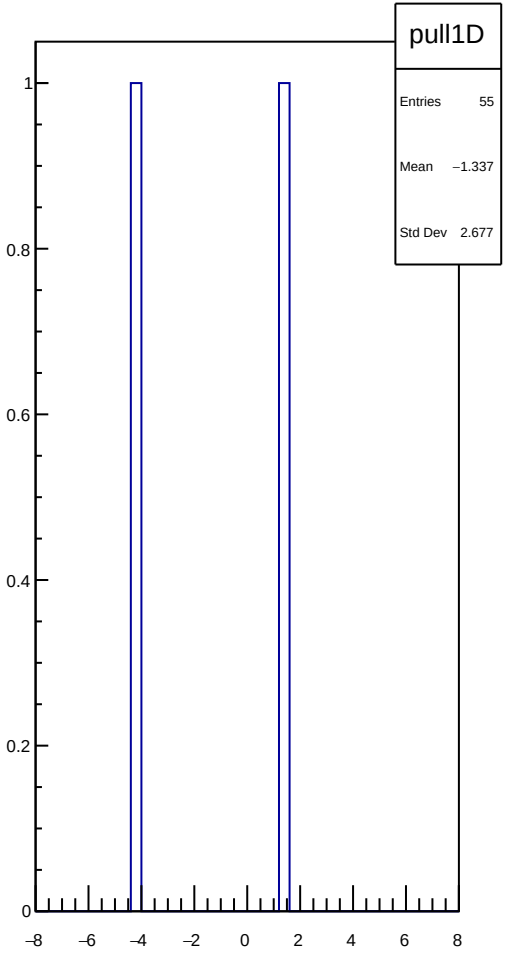

yield_bpm16Y_rms vs run
χ² / ndf 6306 / 54
p0 0.003973 ± 3.872e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

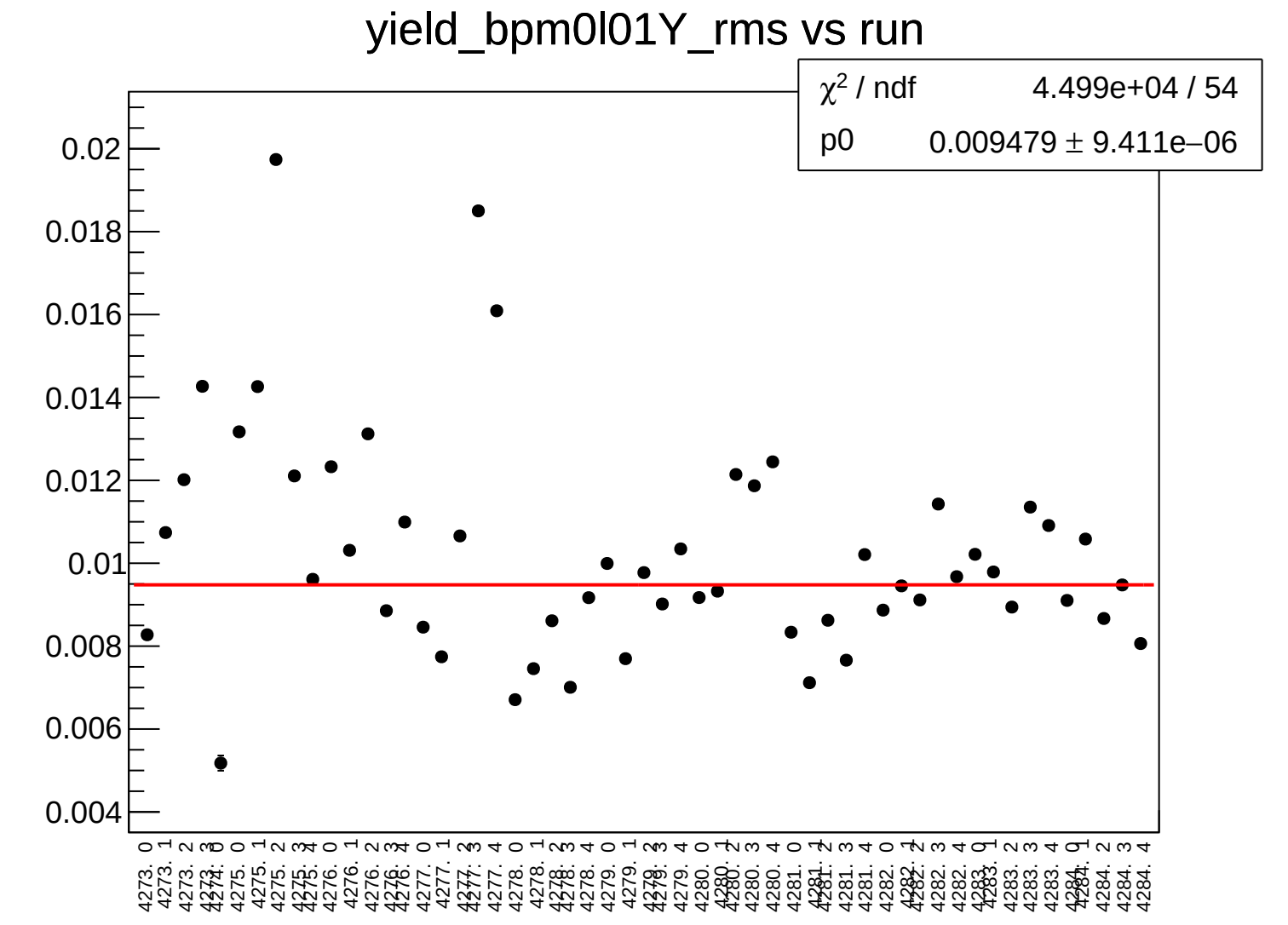

yield_bpm0l01X_mean vs run
χ² / ndf 9.649e+05 / 54
p0 –0.5544 ± 1.4e–05
pull
Entries 55
Mean –272.4
Std Dev 297.3


pull1D
Entries 55
Mean –2.517
Std Dev 3.776


yield_bpm0l01X_rms vs run
χ² / ndf 1.994e+04 / 54
p0 0.01009 ± 9.898e–06
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_bpm0l01Y_mean vs run
χ² / ndf 1.751e+06 / 54
p0 −6.056 ± 1.331e−05
pull
Entries 55
Mean −88.43
Std Dev 106.6


pull1D
Entries 55
Mean −1.337
Std Dev 2.677


yield_bpm0l01Y_rms vs run
χ² / ndf 4.499e+04 / 54
p0 0.009479 ± 9.411e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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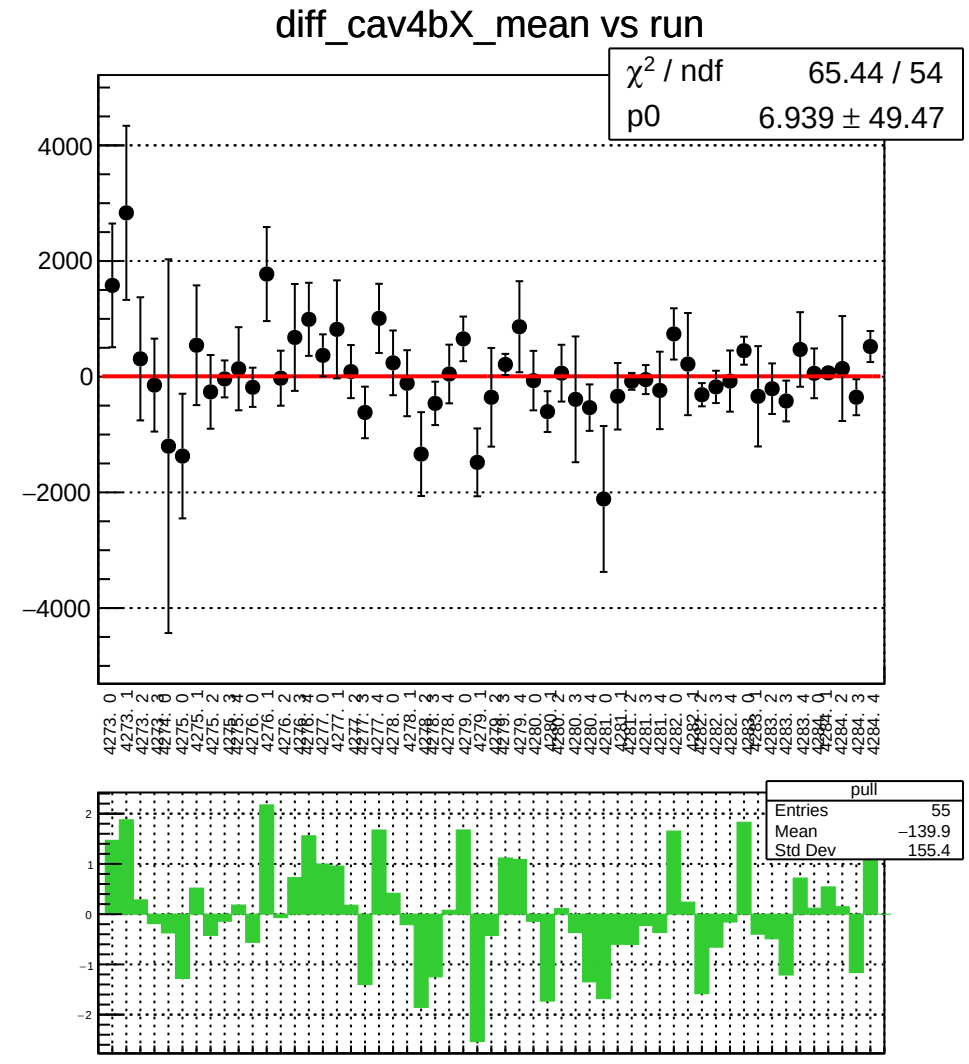
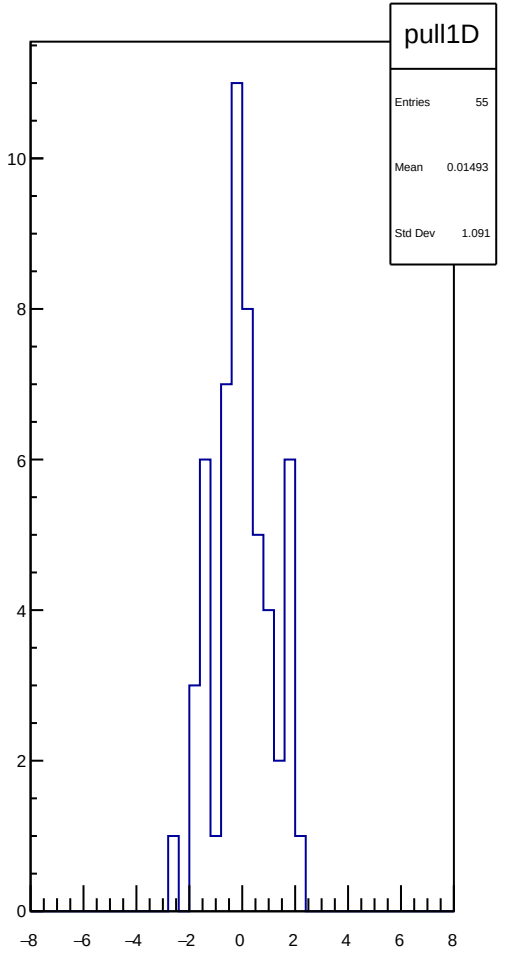
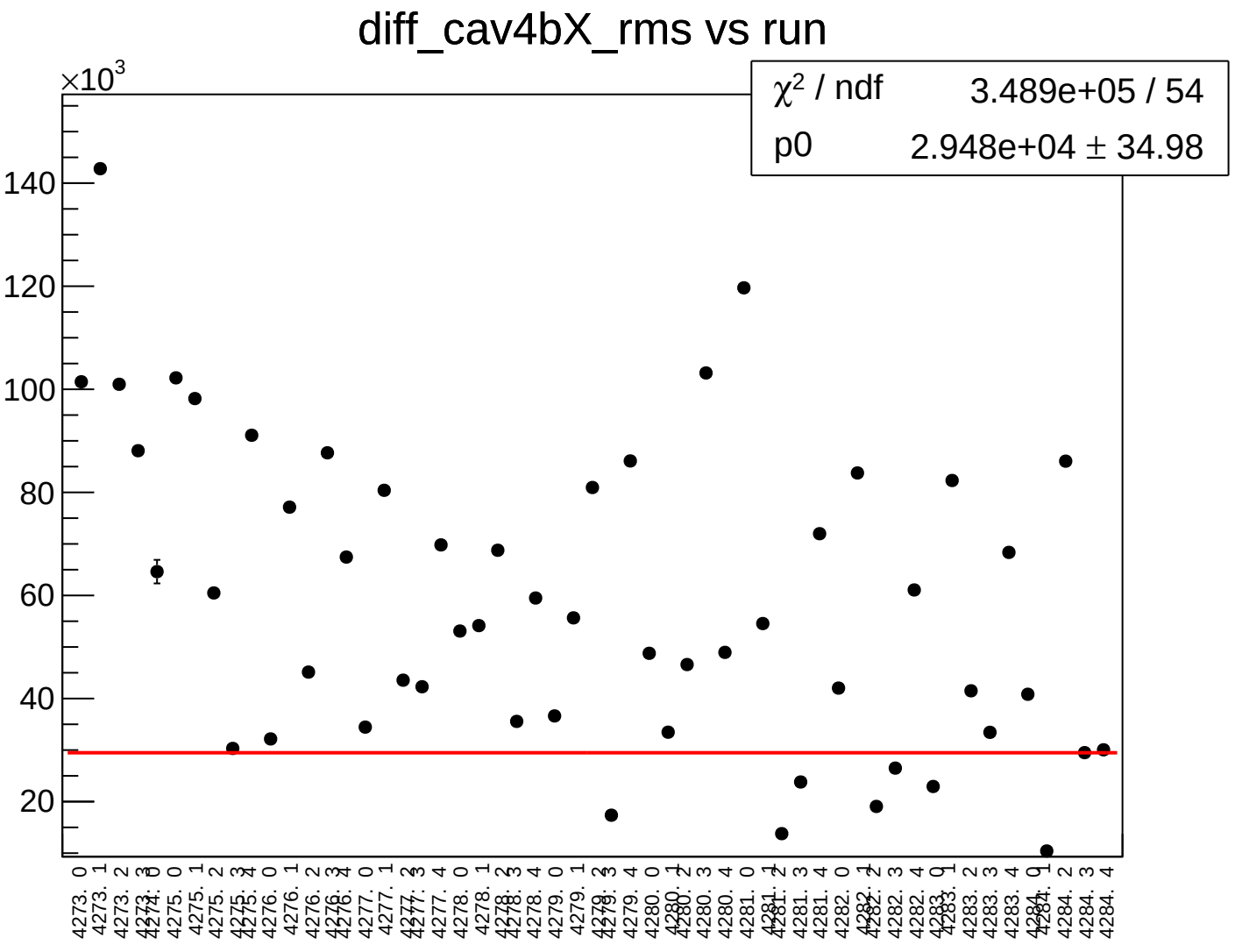
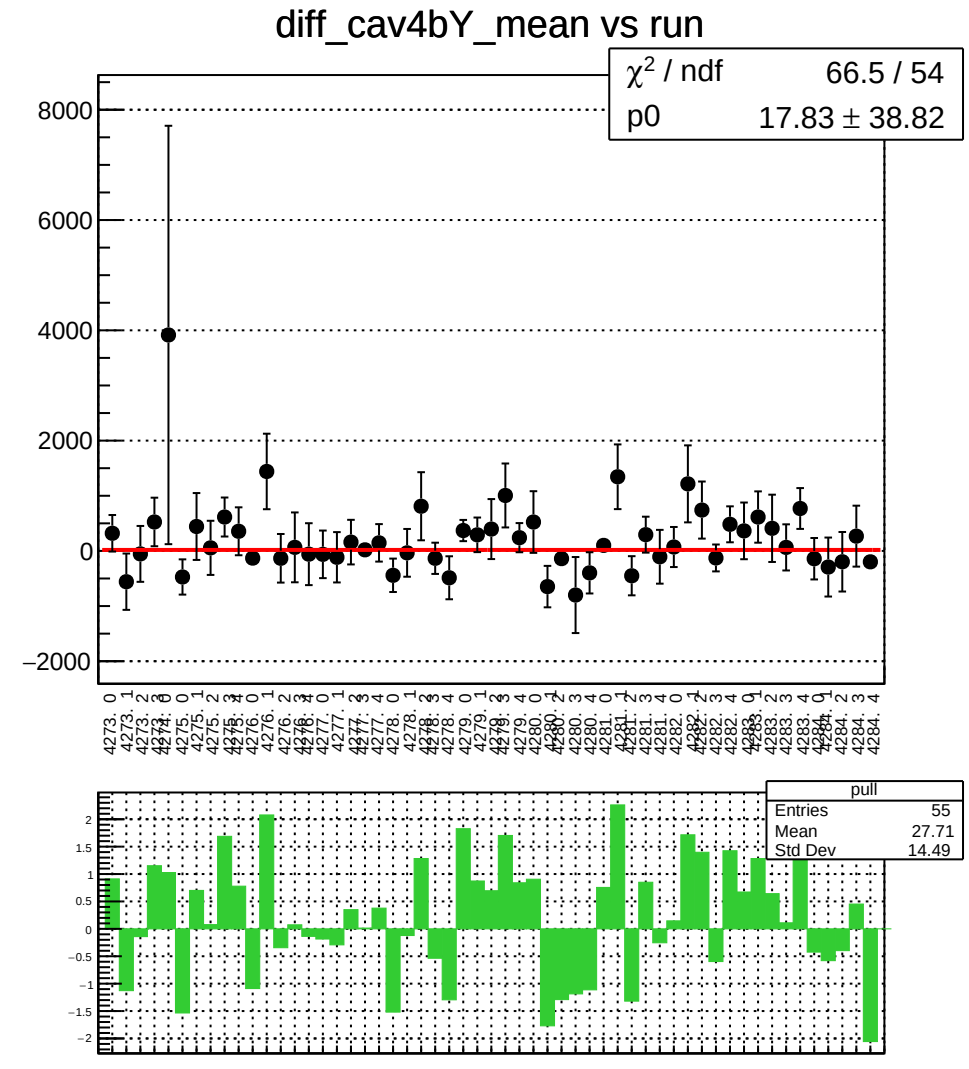
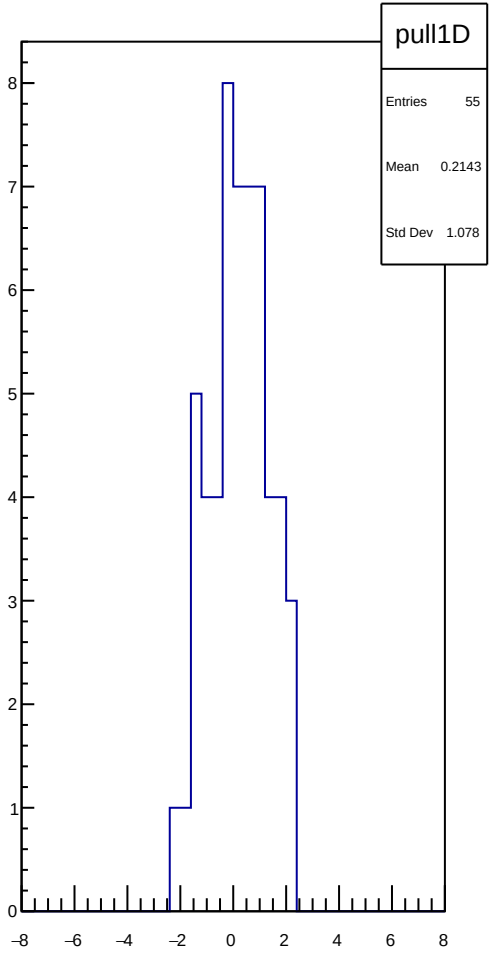
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

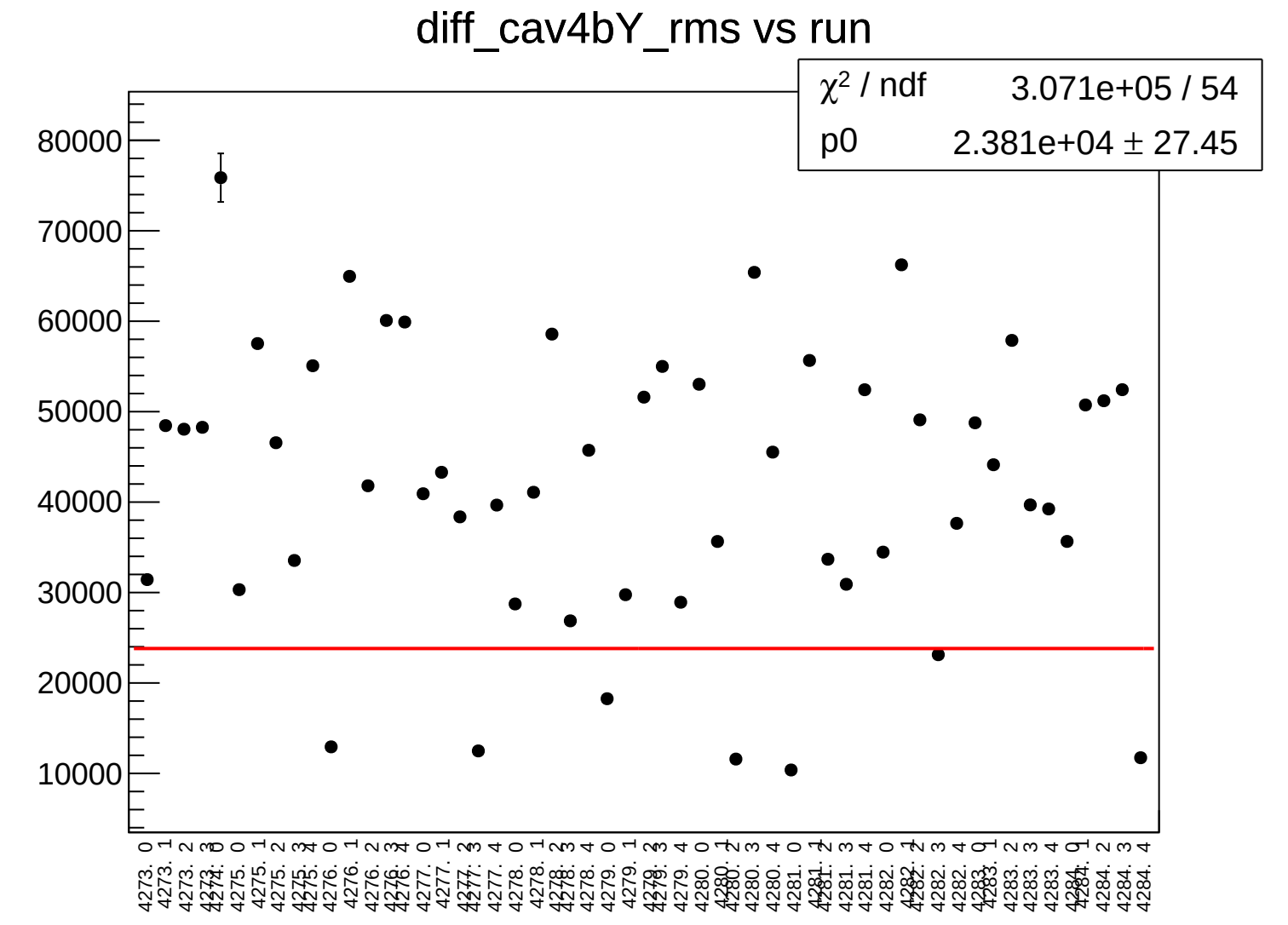

diff_cav4bX_mean vs run
χ² / ndf 65.44 / 54
p0 6.939 ± 49.47
4000
2000
0
−2000
−4000
pull
Entries 55
Mean −139.9
Std Dev 155.4
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.01493
Std Dev 1.091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_cav4bX_rms vs run
×10^3
χ² / ndf 3.489e+05 / 54
p0 2.948e+04 ± 34.98
140
120
100
80
60
40
20
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


diff_cav4bY_mean vs run
χ² / ndf 66.5 / 54
p0 17.83 ± 38.82
pull
Entries 55
Mean 27.71
Std Dev 14.49


pull1D
Entries 55
Mean 0.2143
Std Dev 1.078


diff_cav4bY_rms vs run
χ² / ndf 3.071e+05 / 54
p0 2.381e+04 ± 27.45
80000
70000
60000
50000
40000
30000
20000
10000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4284. 0
4284. 1
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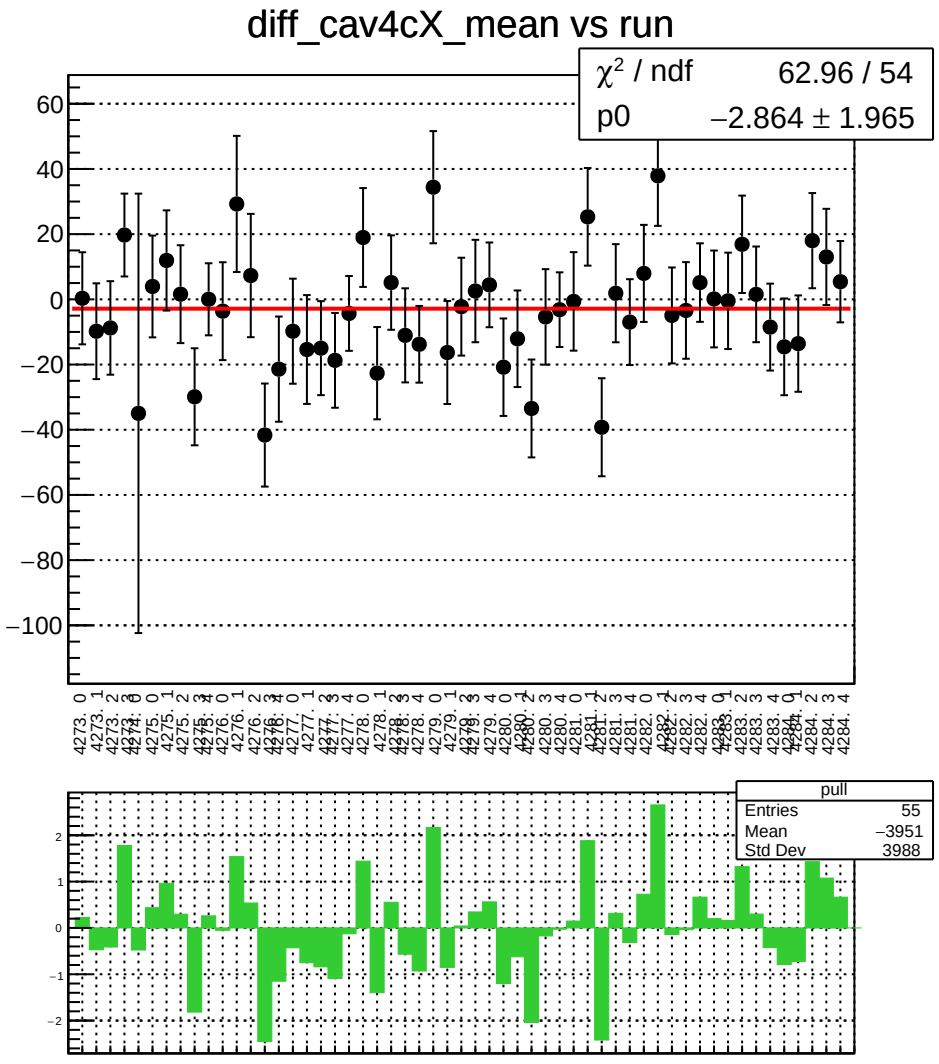
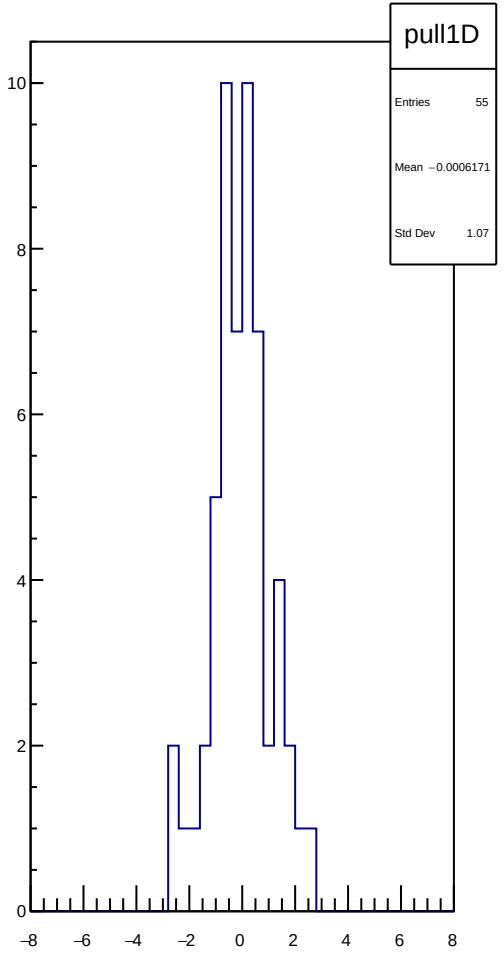
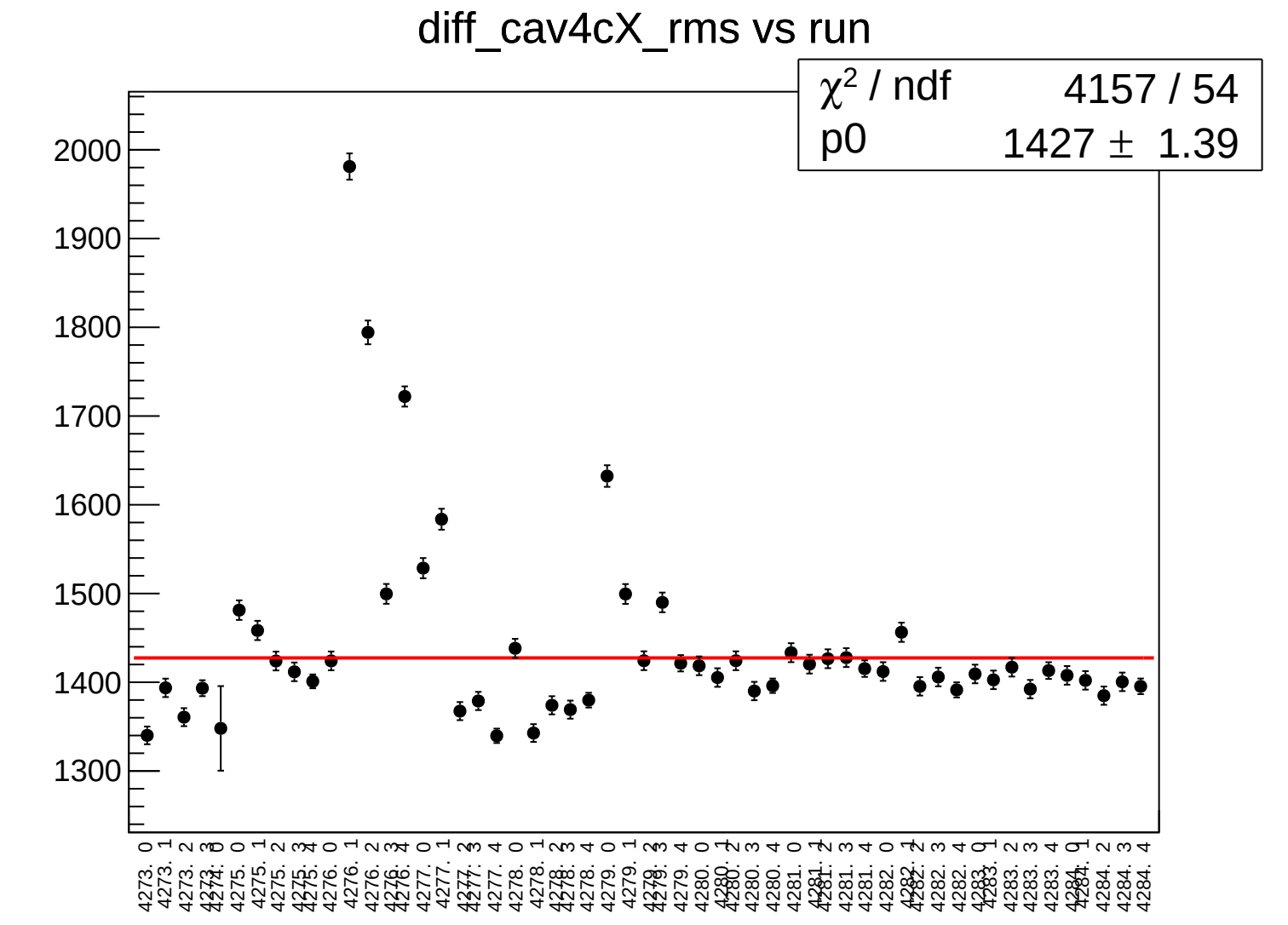
4284. 3
4284. 4


diff_cav4cX_mean vs run
χ² / ndf 62.96 / 54
p0 −2.864 ± 1.965
pull
Entries 55
Mean −3951
Std Dev 3988


pull1D
Entries 55
Mean −0.0006171
Std Dev 1.07


diff_cav4cX_rms vs run
χ² / ndf 4157 / 54
p0 1427 ± 1.39
2000
1900
1800
1700
1600
1500
1400
1300
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
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4281. 1
4281. 2
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4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 1
4283. 2
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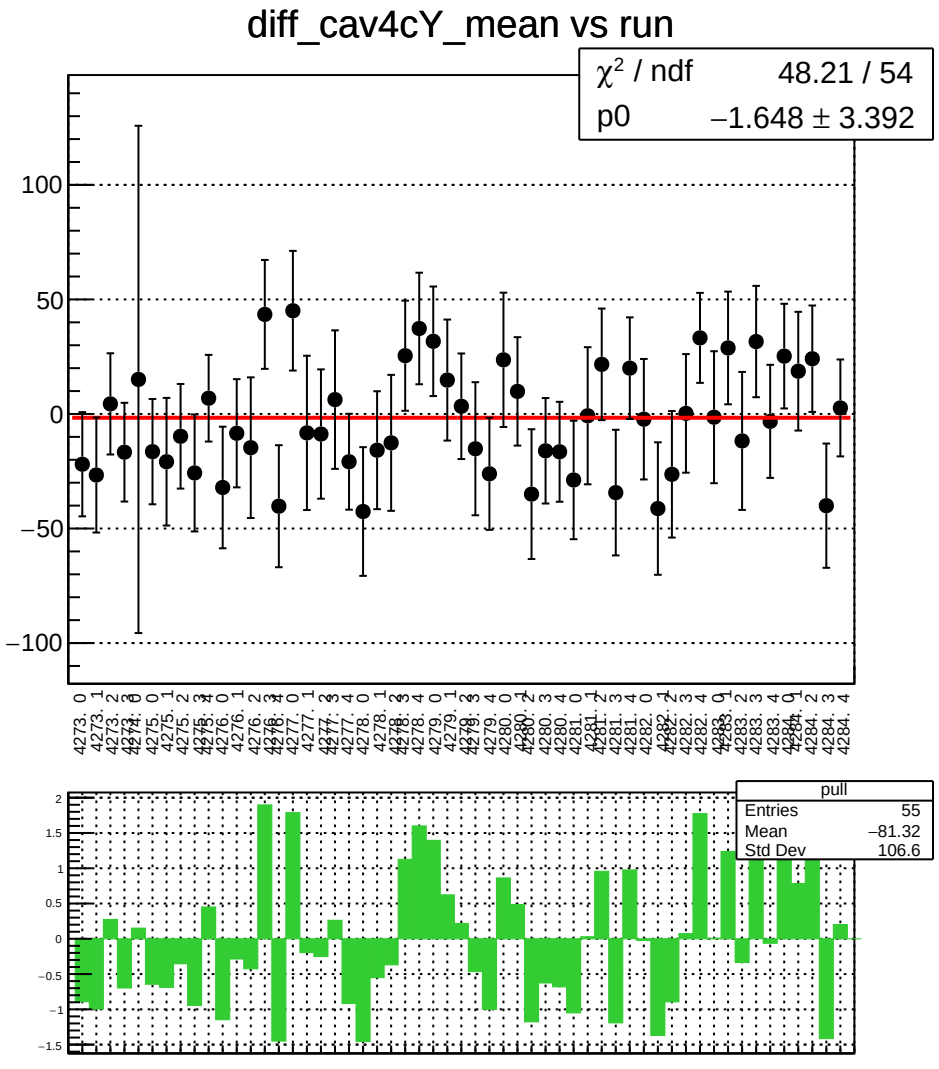
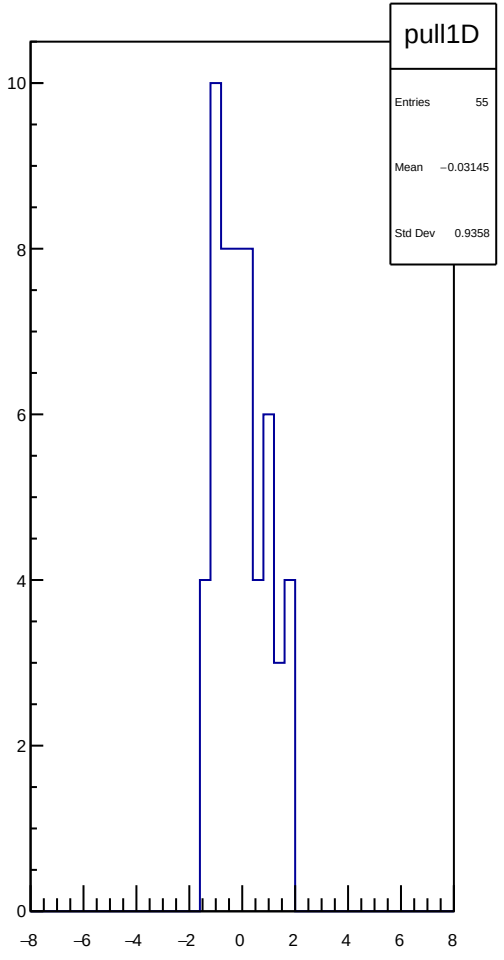
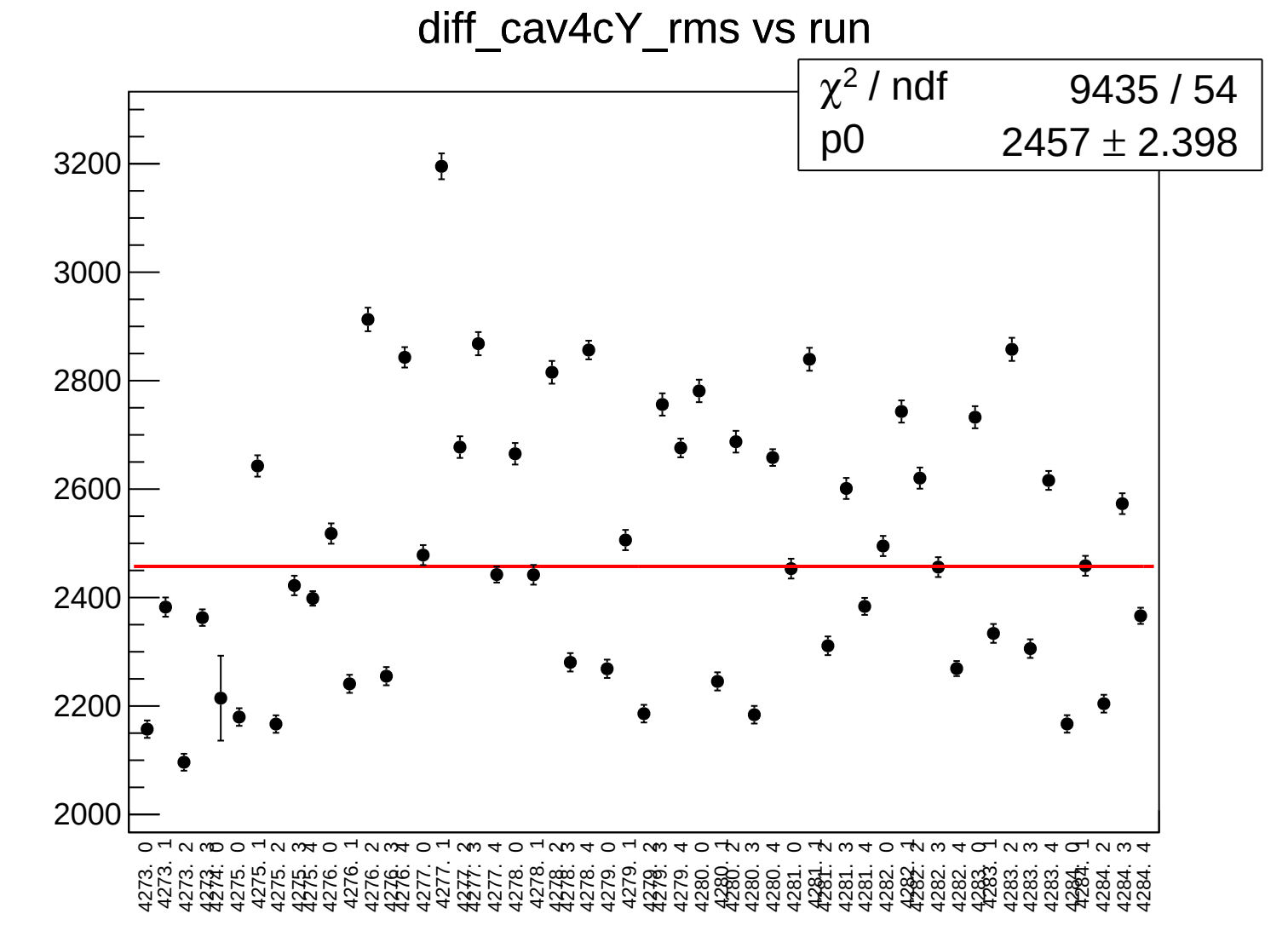
4284. 2
4284. 3
4284. 4


diff_cav4cY_mean vs run
χ² / ndf 48.21 / 54
p0 −1.648 ± 3.392
pull
Entries 55
Mean −81.32
Std Dev 106.6


pull1D
Entries 55
Mean −0.03145
Std Dev 0.9358


diff_cav4cY_rms vs run
χ² / ndf 9435 / 54
p0 2457 ± 2.398
3200
3000
2800
2600
2400
2200
2000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4277. 4
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4278. 1
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4278. 4
4279. 0
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4279. 2
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4280. 0
4280. 1
4280. 2
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4282. 1
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4282. 4
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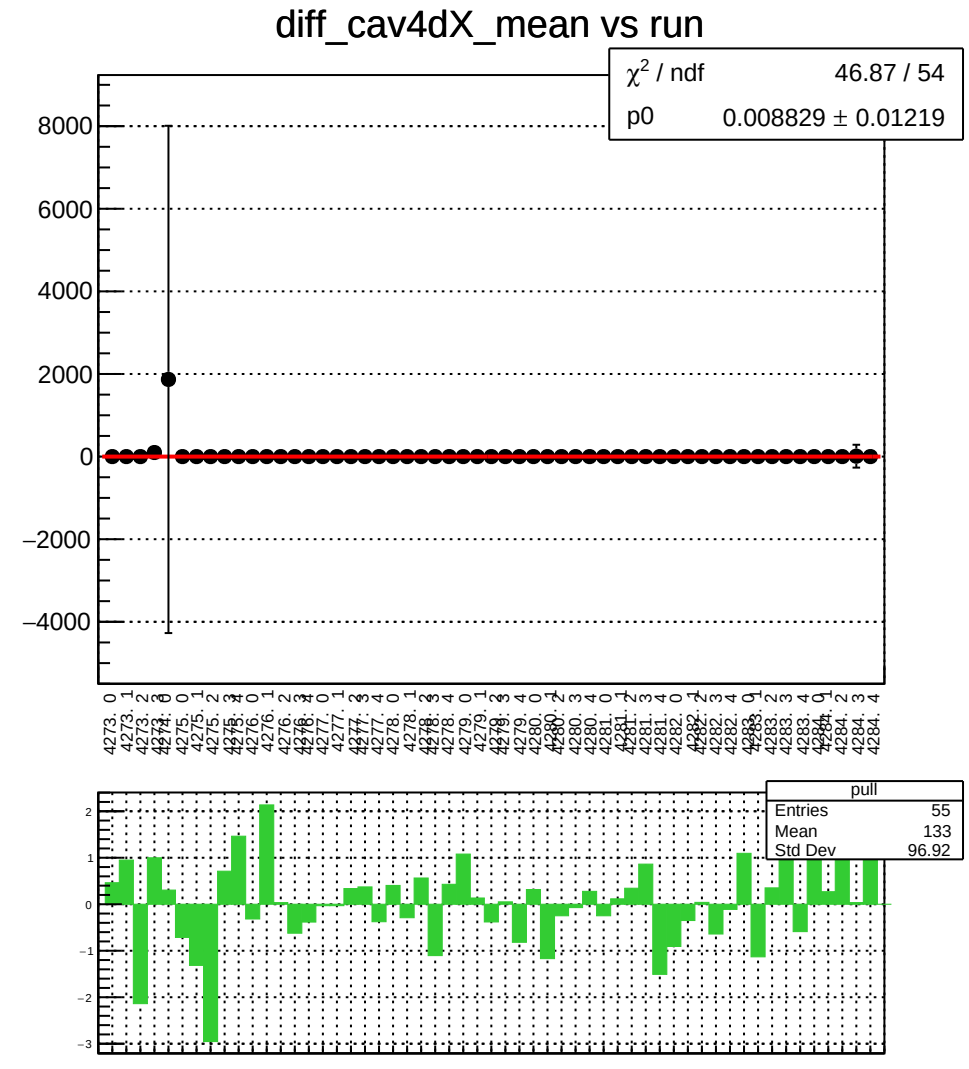
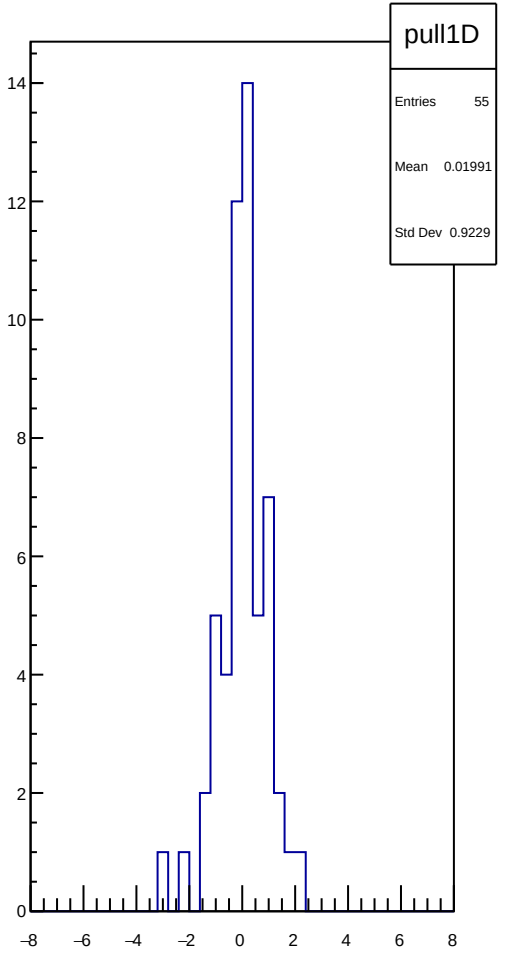
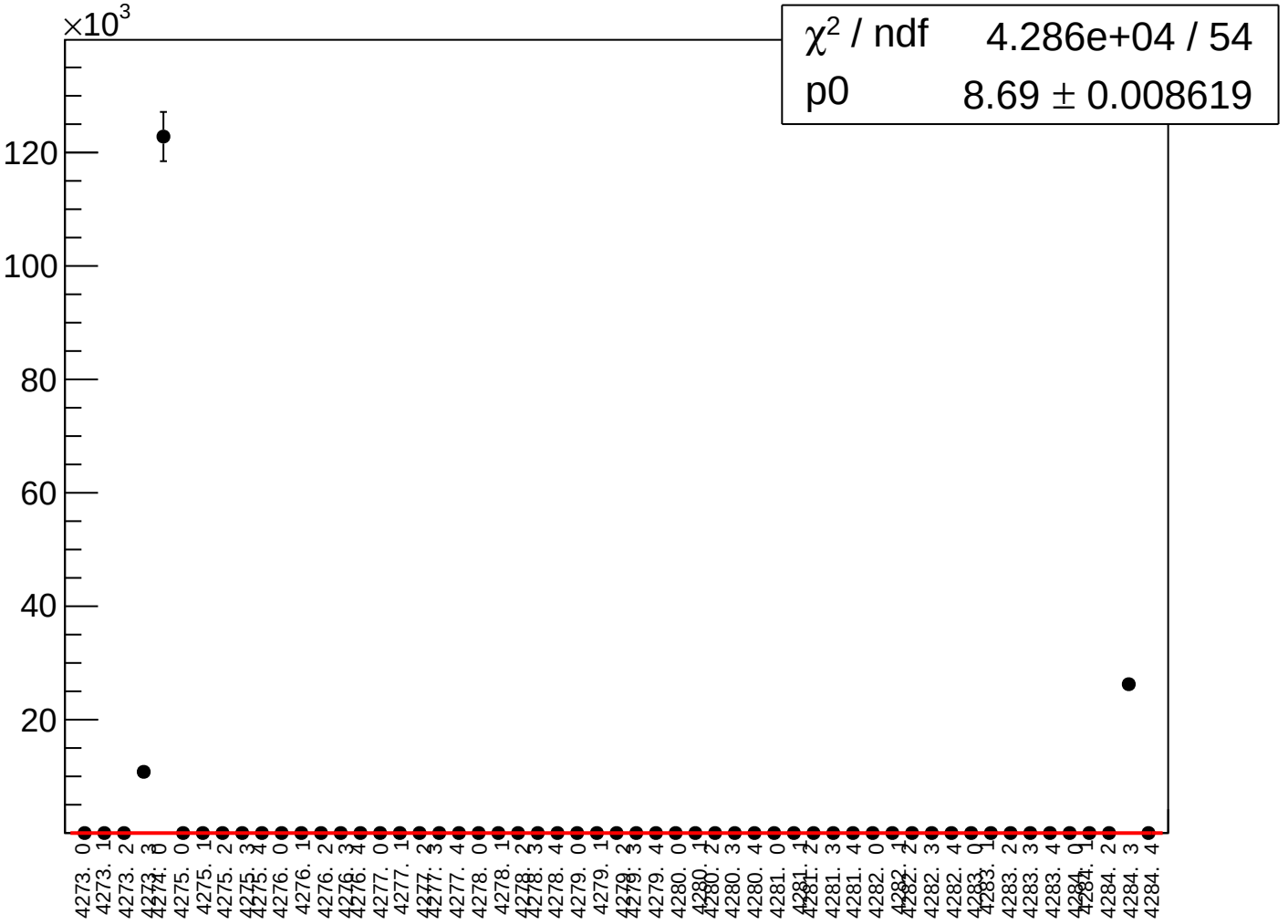
4284. 3
4284. 4


diff_cav4dX_mean vs run
χ² / ndf 46.87 / 54
p0 0.008829 ± 0.01219
pull
Entries 55
Mean 133
Std Dev 96.92


pull1D
Entries 55
Mean 0.01991
Std Dev 0.9229


diff_cav4dX_rms vs run
×10^3
χ² / ndf 4.286e+04 / 54
p0 8.69 ± 0.008619
120
100
80
60
40
20
4273. 0
4273. 1
4273. 2
4273. 3
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
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4280. 0
4280. 1
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4281. 0
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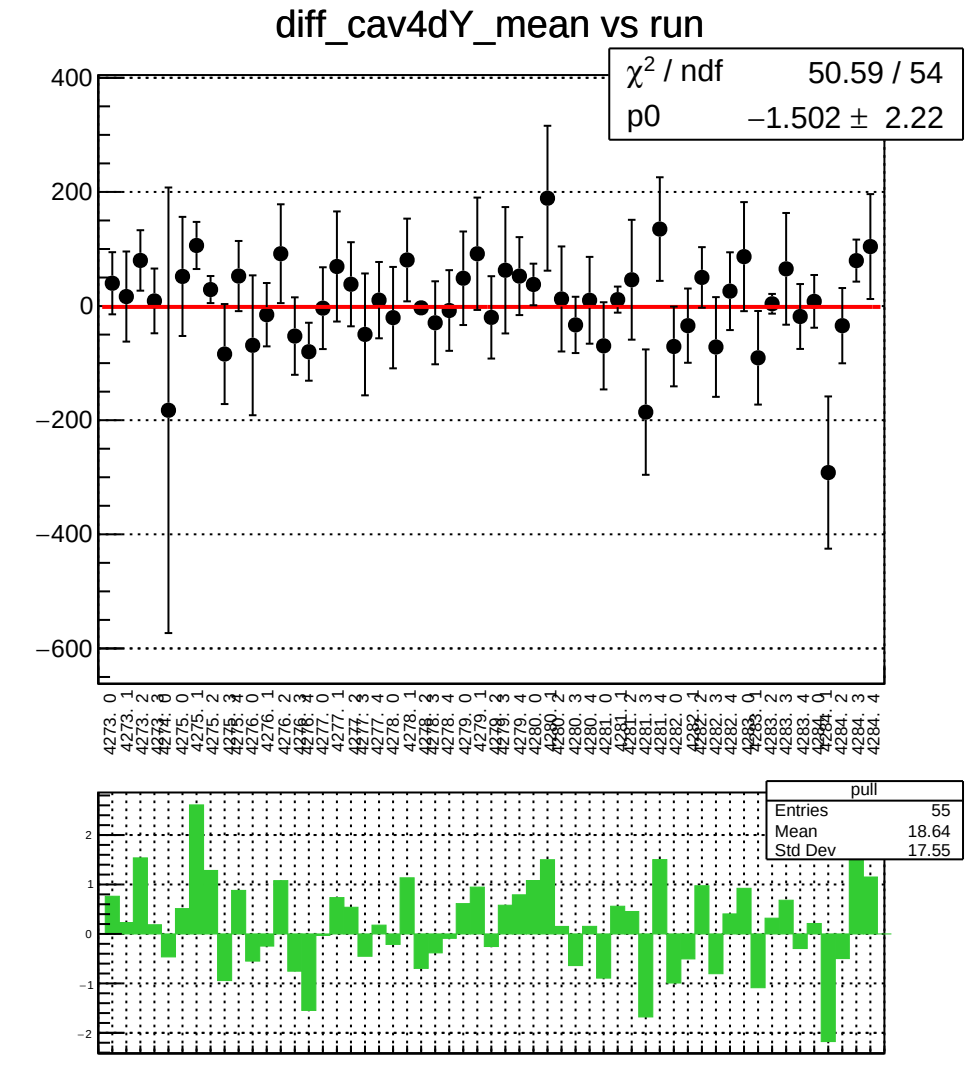
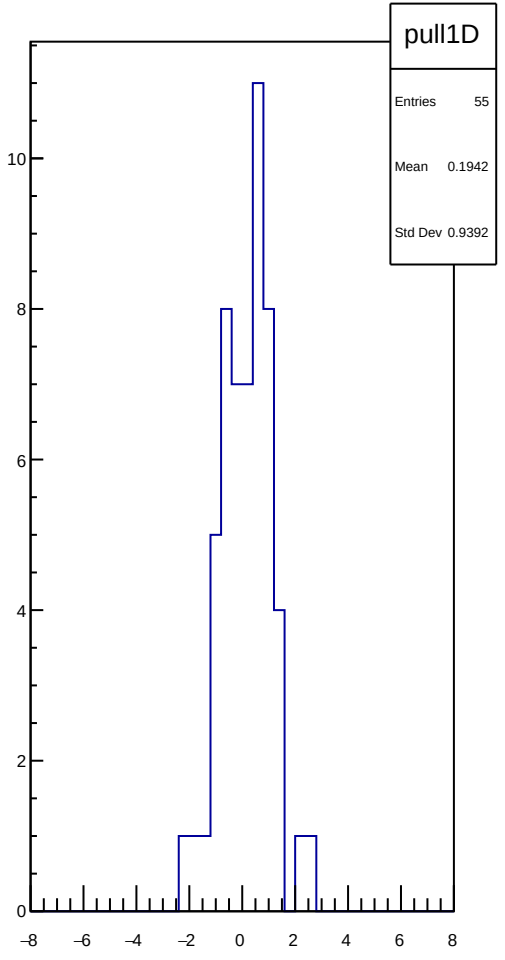
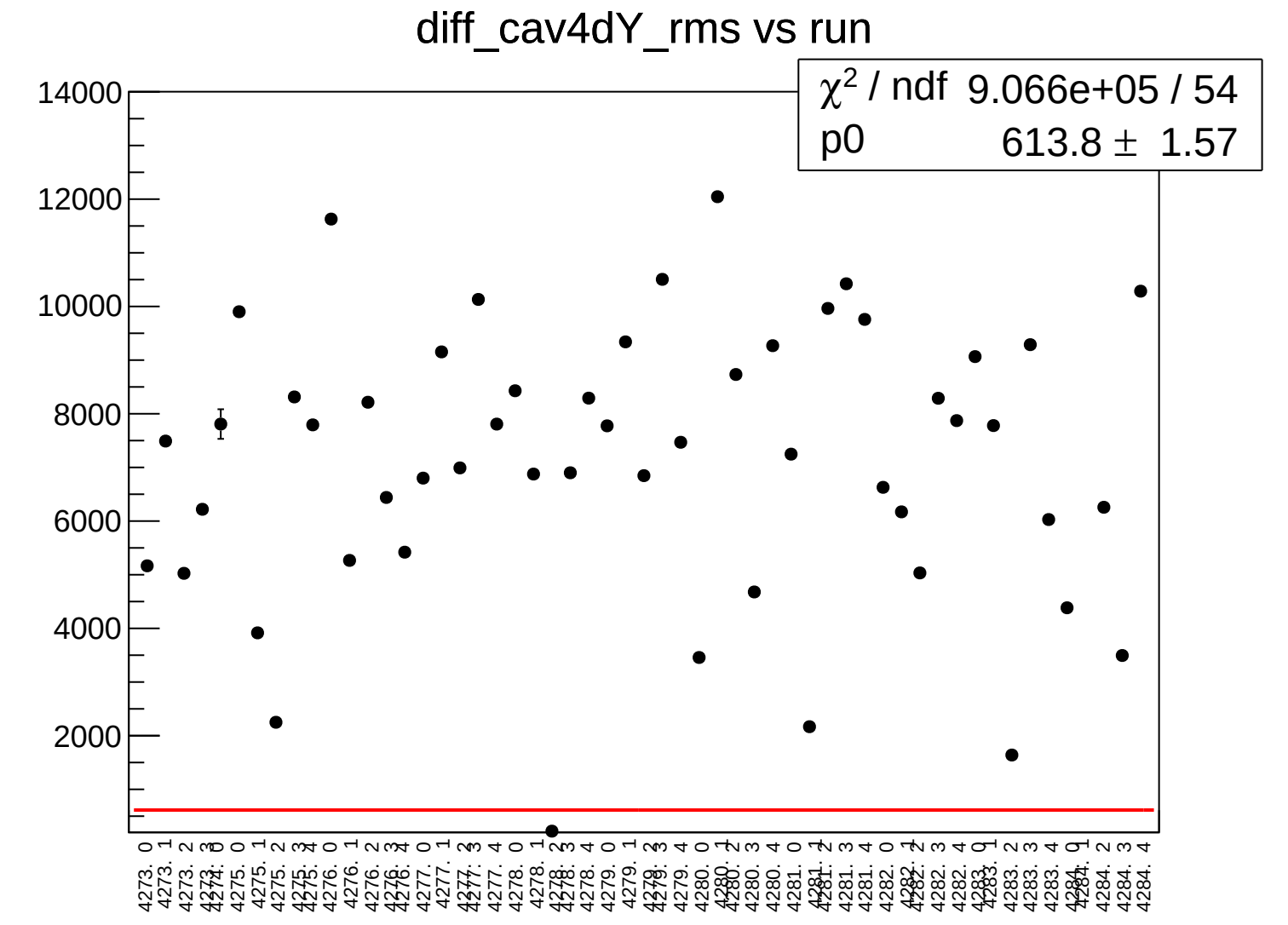
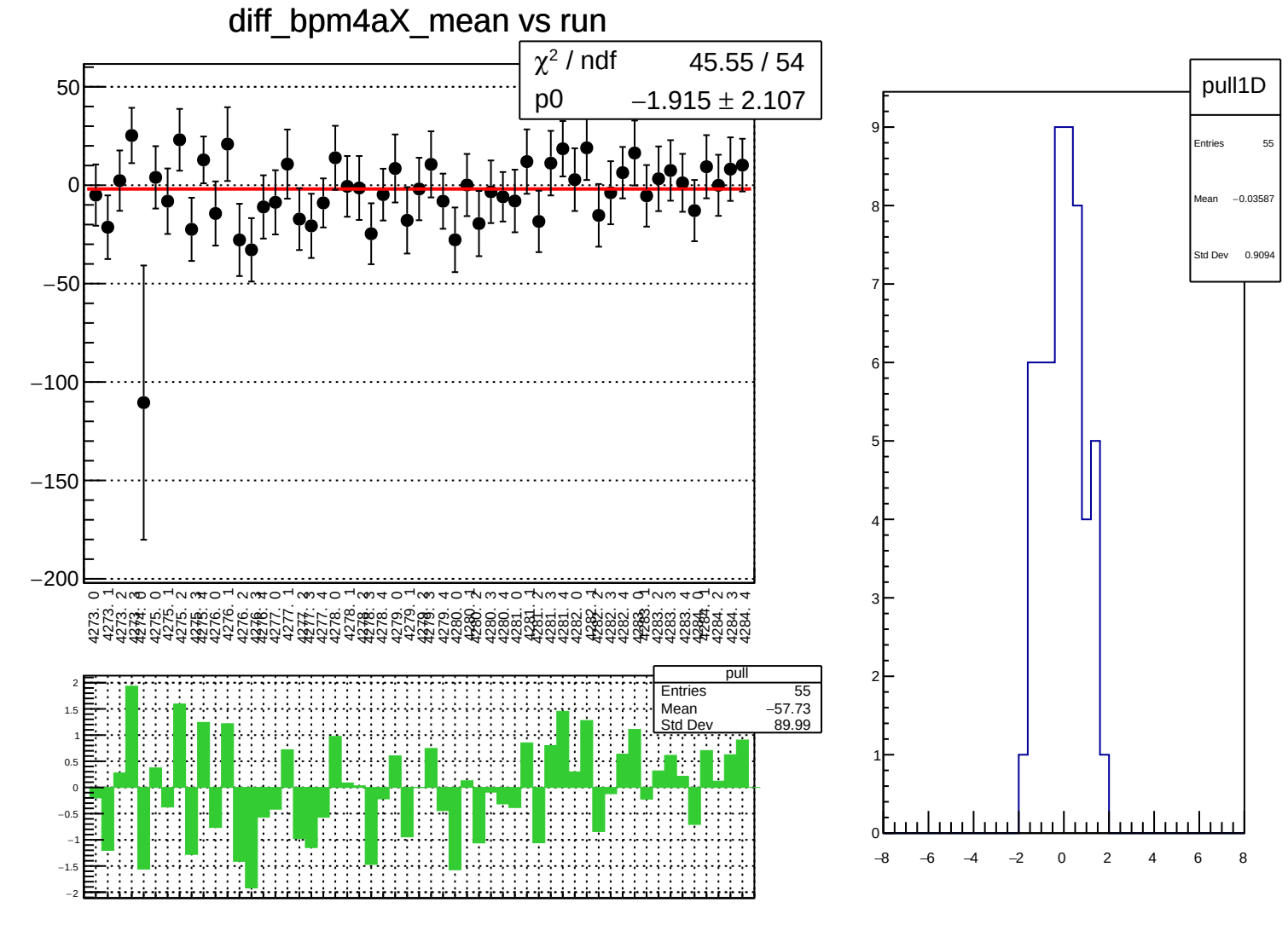
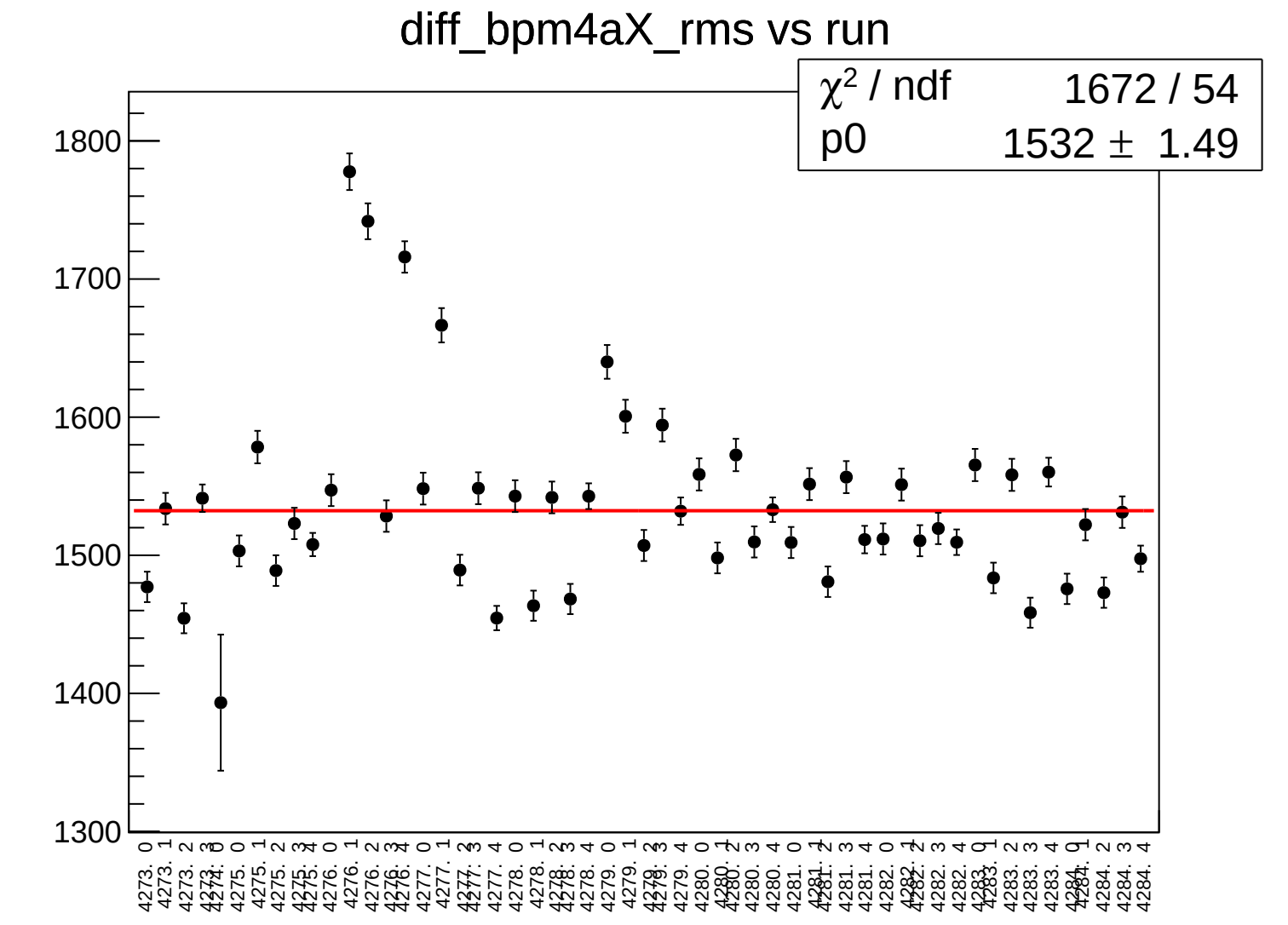

diff_cav4dY_mean vs run
χ² / ndf 50.59 / 54
p0 −1.502 ± 2.22
pull
Entries 55
Mean 18.64
Std Dev 17.55


pull1D
Entries 55
Mean 0.1942
Std Dev 0.9392


diff_cav4dY_rms vs run
χ² / ndf 9.066e+05 / 54
p0 613.8 ± 1.57
14000
12000
10000
8000
6000
4000
2000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


diff_bpm4aX_mean vs run
χ² / ndf 45.55 / 54
p0 −1.915 ± 2.107
pull
Entries 55
Mean −57.73
Std Dev 89.99
pull1D
Entries 55
Mean −0.03587
Std Dev 0.9094


diff_bpm4aX_rms vs run
χ² / ndf 1672 / 54
p0 1532 ± 1.49
1800
1700
1600
1500
1400
1300
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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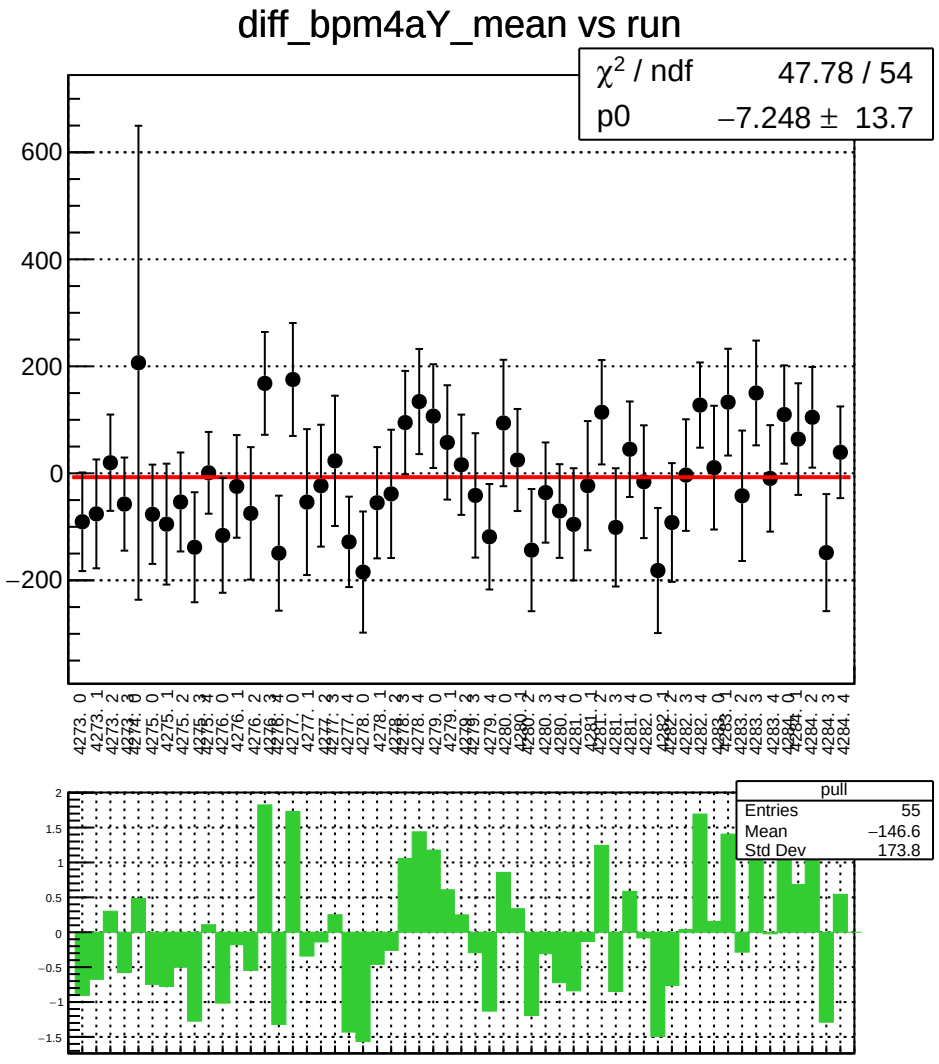
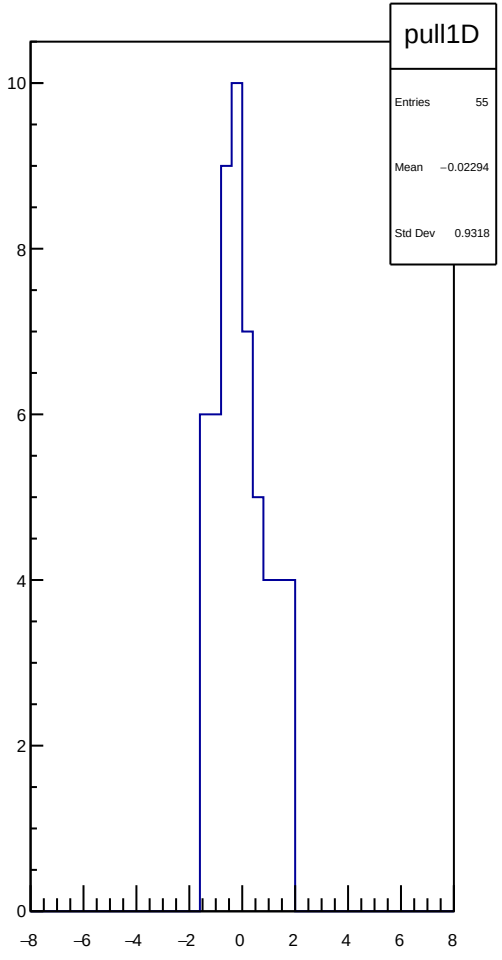
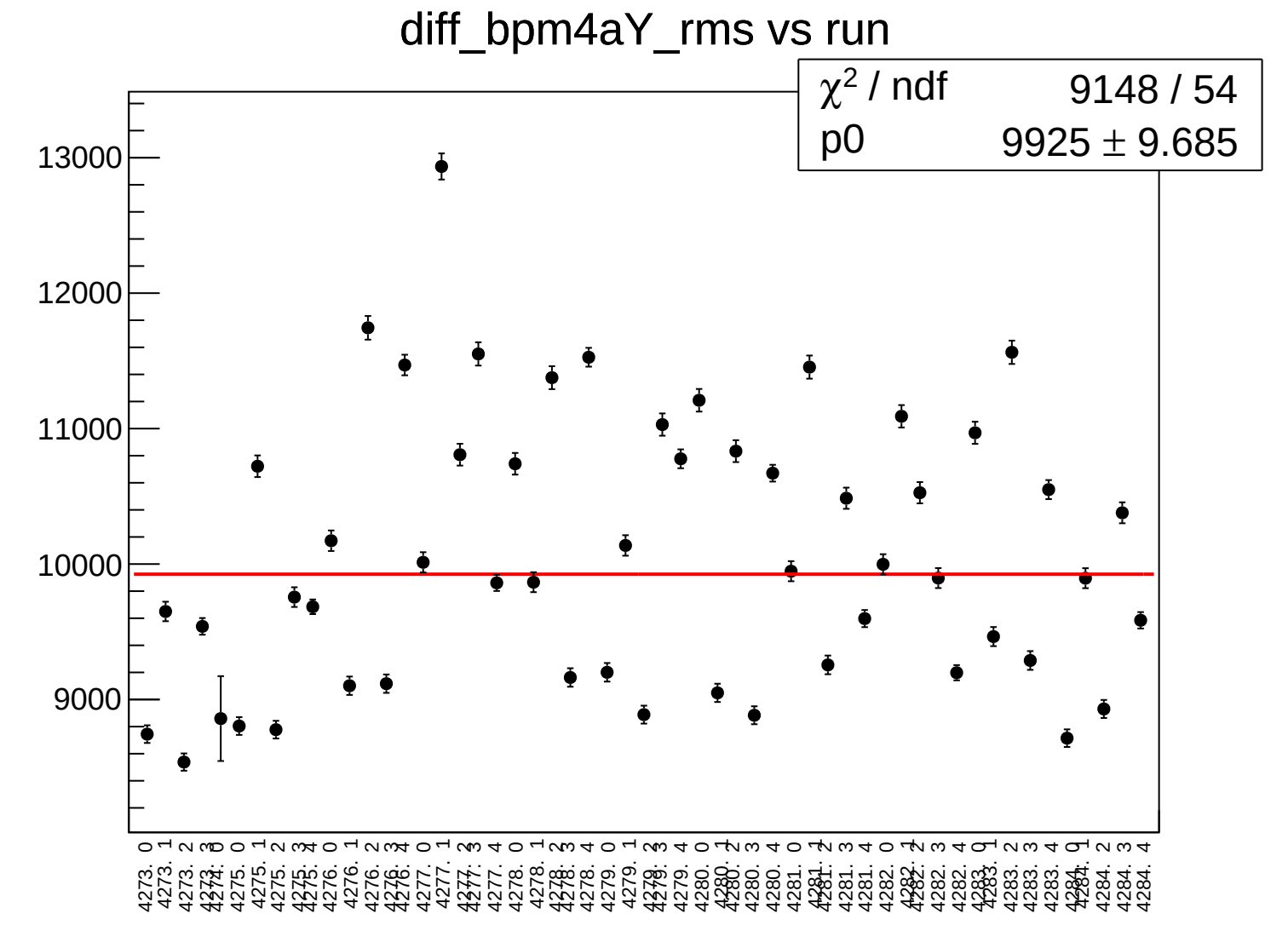
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


diff_bpm4aY_mean vs run
χ² / ndf 47.78 / 54
p0 −7.248 ± 13.7
600
400
200
0
−200
pull
Entries 55
Mean −146.6
Std Dev 173.8
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 55
Mean −0.02294
Std Dev 0.9318
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4aY_rms vs run
χ² / ndf 9148 / 54
p0 9925 ± 9.685
13000
12000
11000
10000
9000
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4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
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4275. 2
4275. 3
4275. 4
4276. 0
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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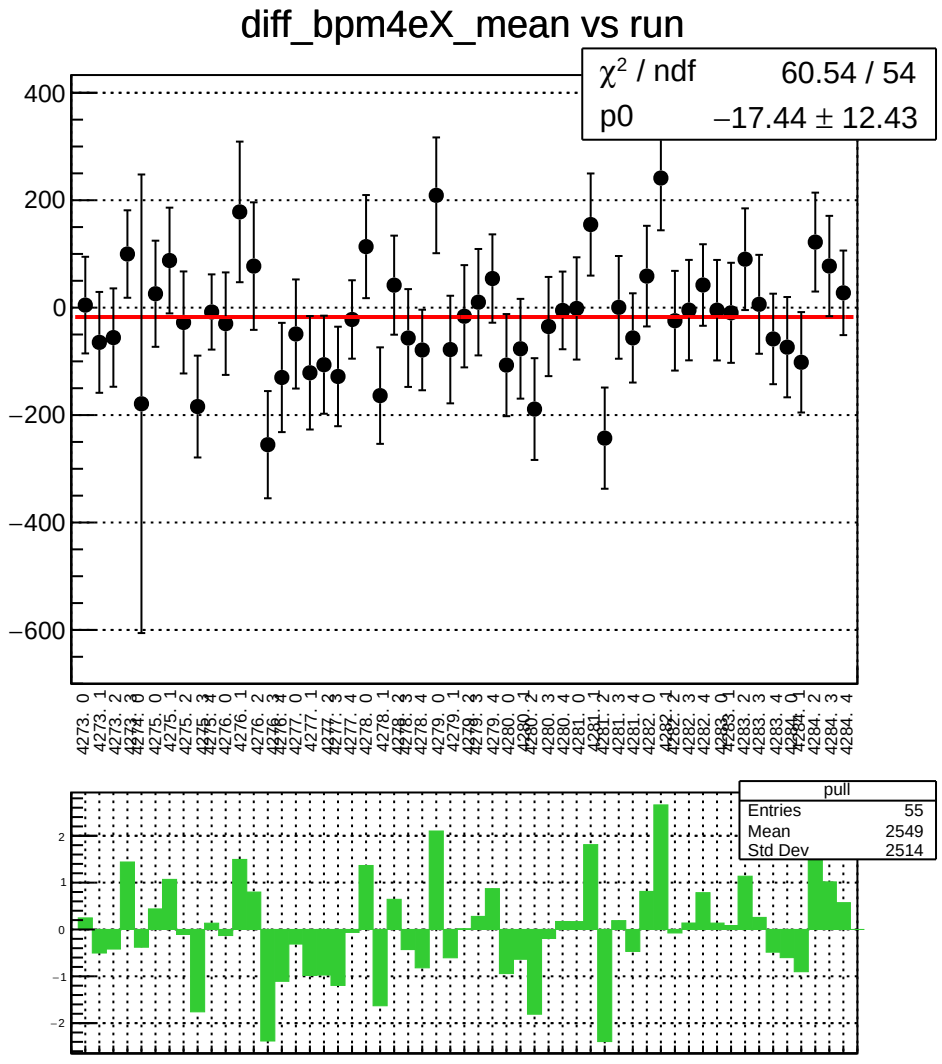
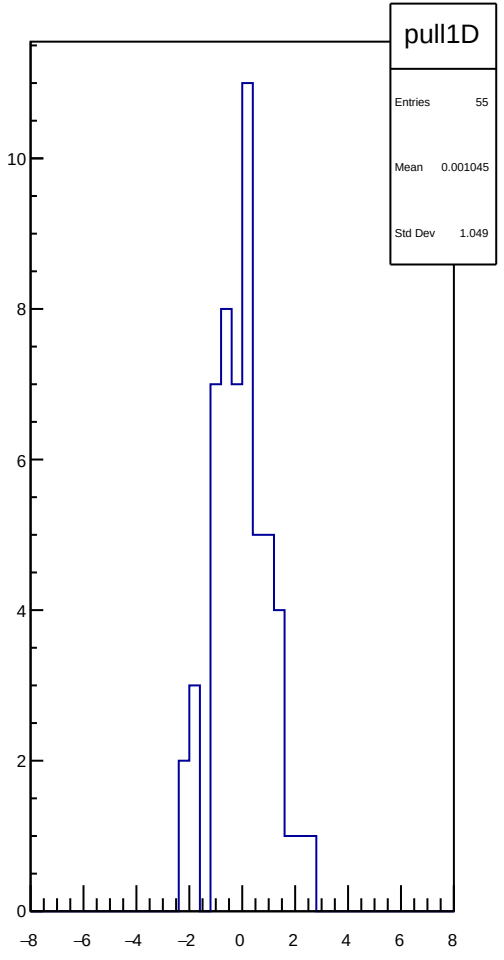
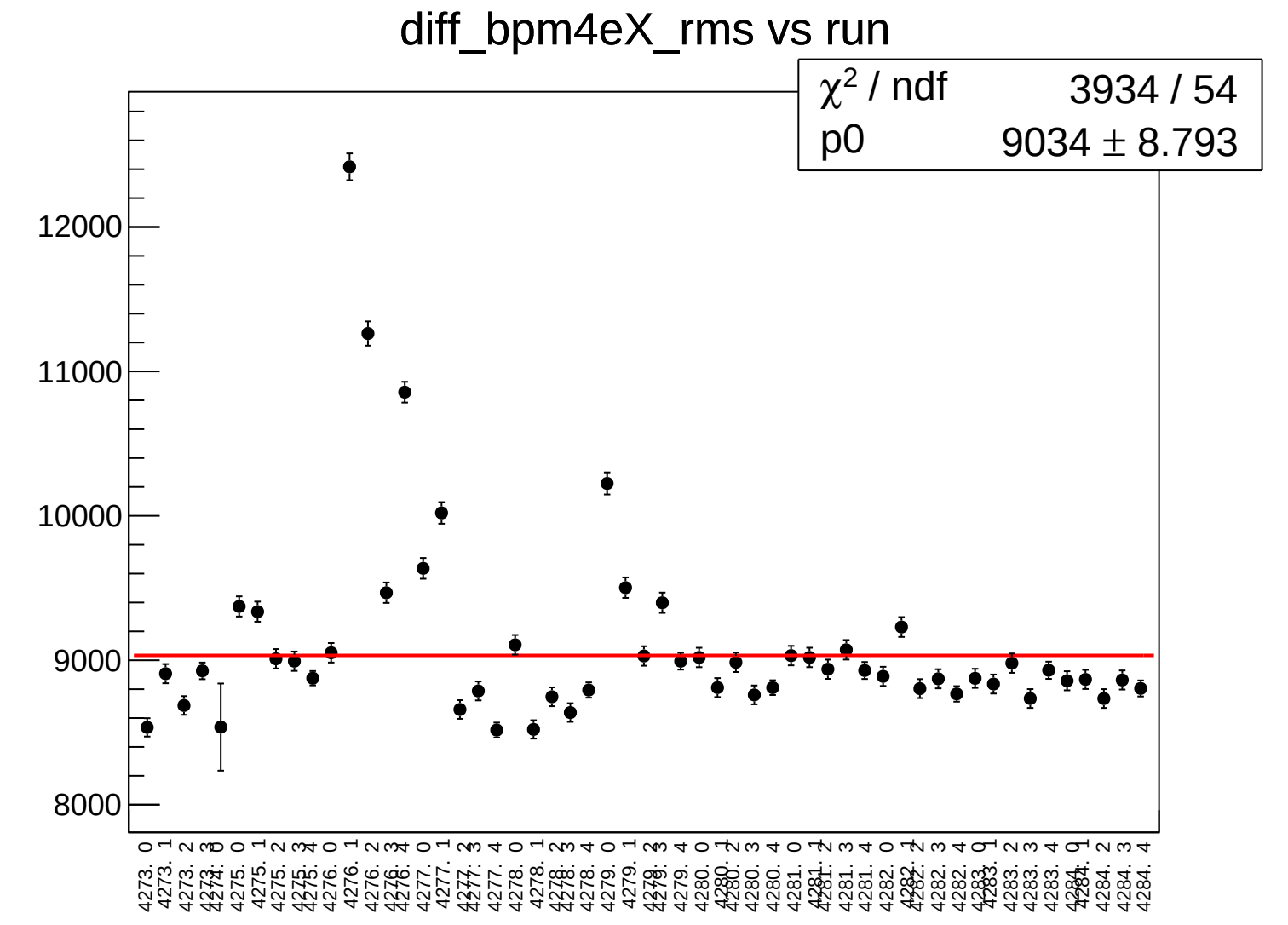
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


diff_bpm4eX_mean vs run
χ² / ndf 60.54 / 54
p0 −17.44 ± 12.43
pull
Entries 55
Mean 2549
Std Dev 2514


pull1D
Entries 55
Mean 0.001045
Std Dev 1.049


diff_bpm4eX_rms vs run
χ² / ndf 3934 / 54
p0 9034 ± 8.793
12000
11000
10000
9000
8000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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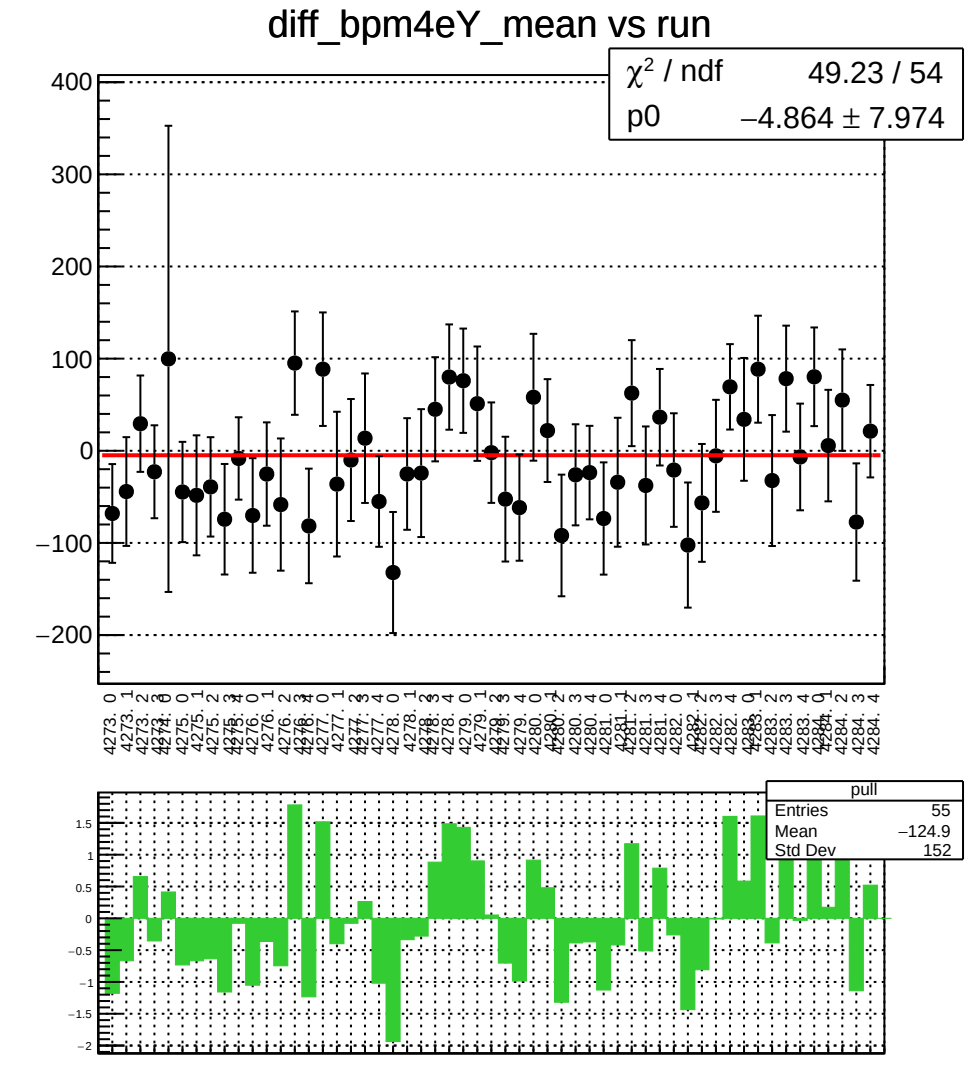
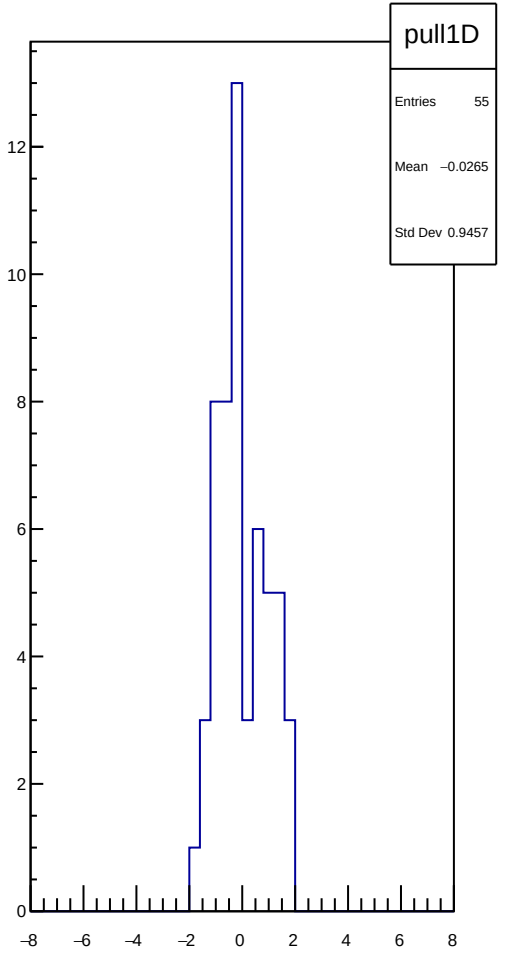
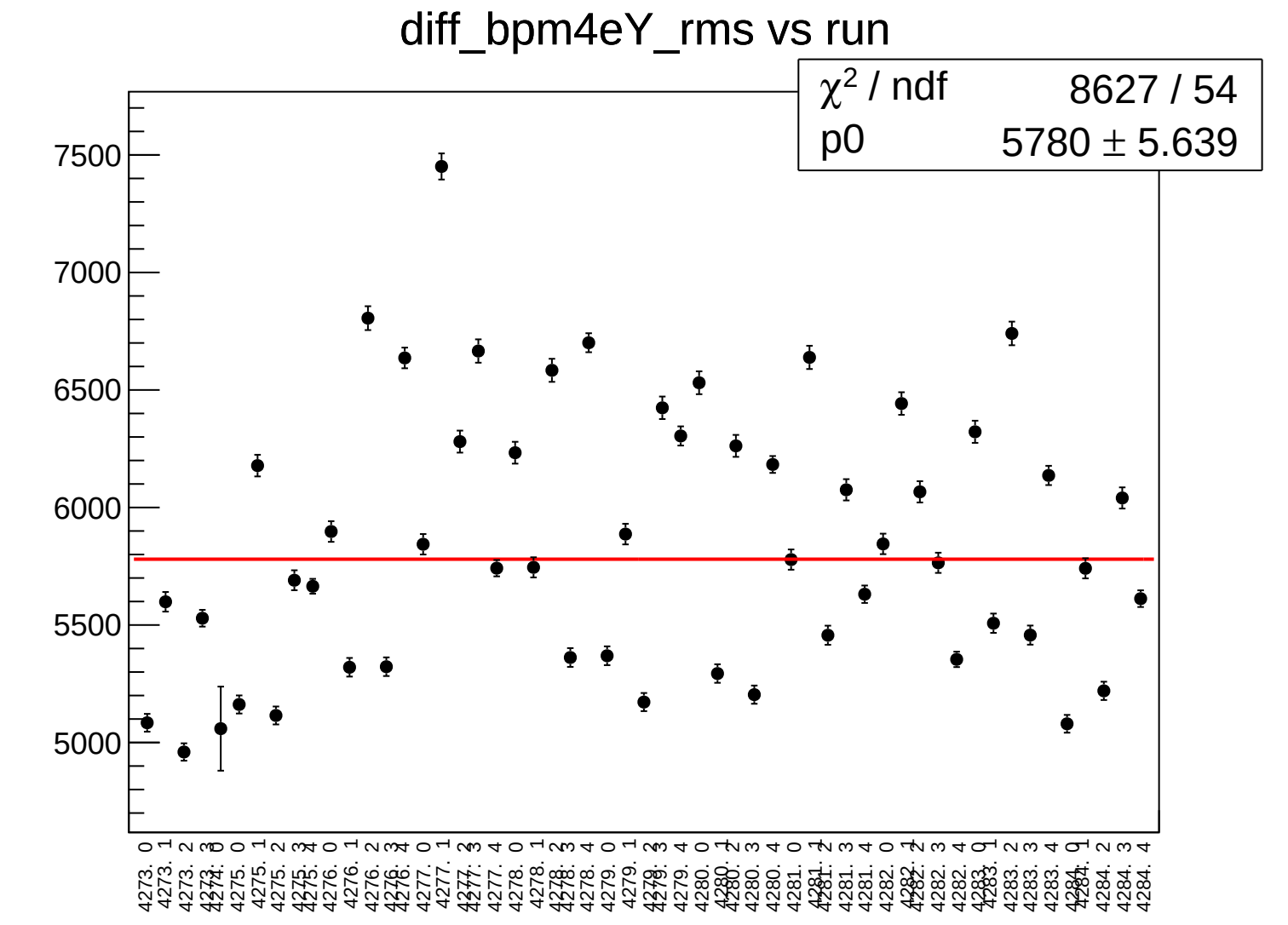
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


diff_bpm4eY_mean vs run
χ² / ndf 49.23 / 54
p0 −4.864 ± 7.974
pull
Entries 55
Mean −124.9
Std Dev 152


pull1D
Entries 55
Mean −0.0265
Std Dev 0.9457


diff_bpm4eY_rms vs run
χ² / ndf 8627 / 54
p0 5780 ± 5.639
7500
7000
6500
6000
5500
5000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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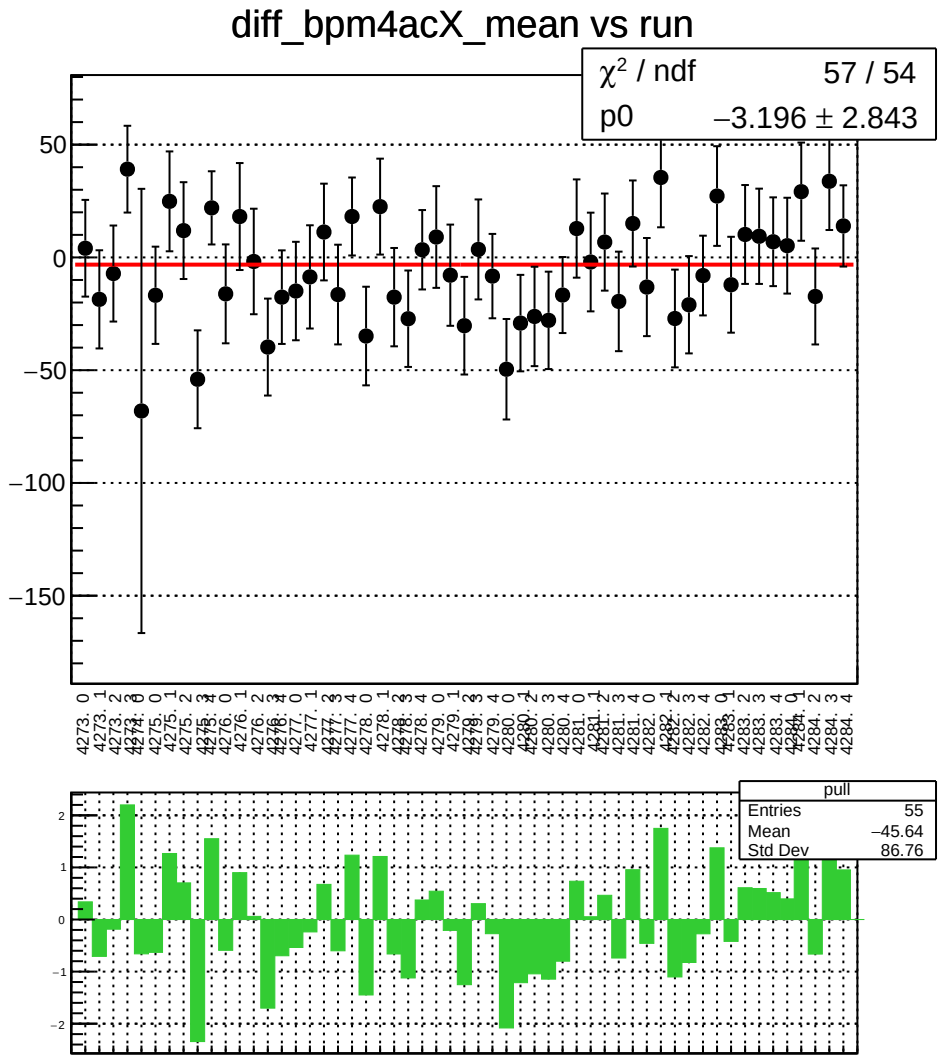
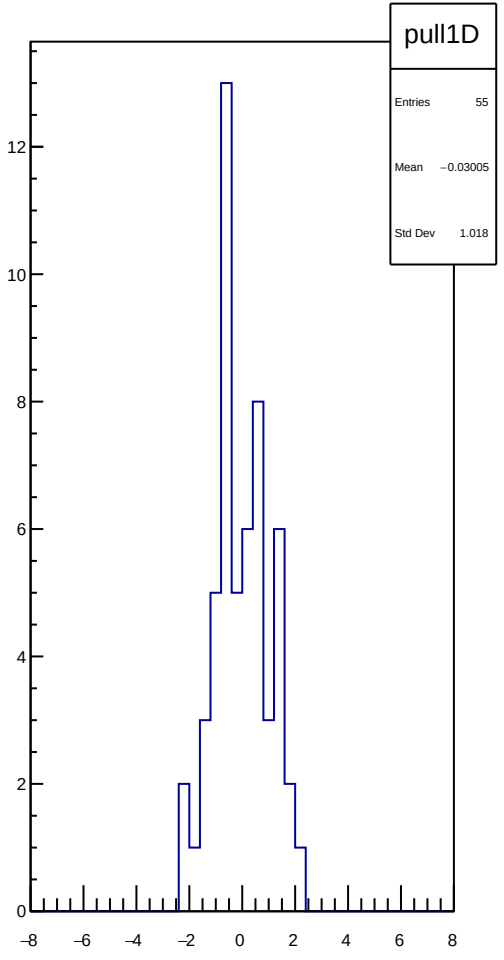
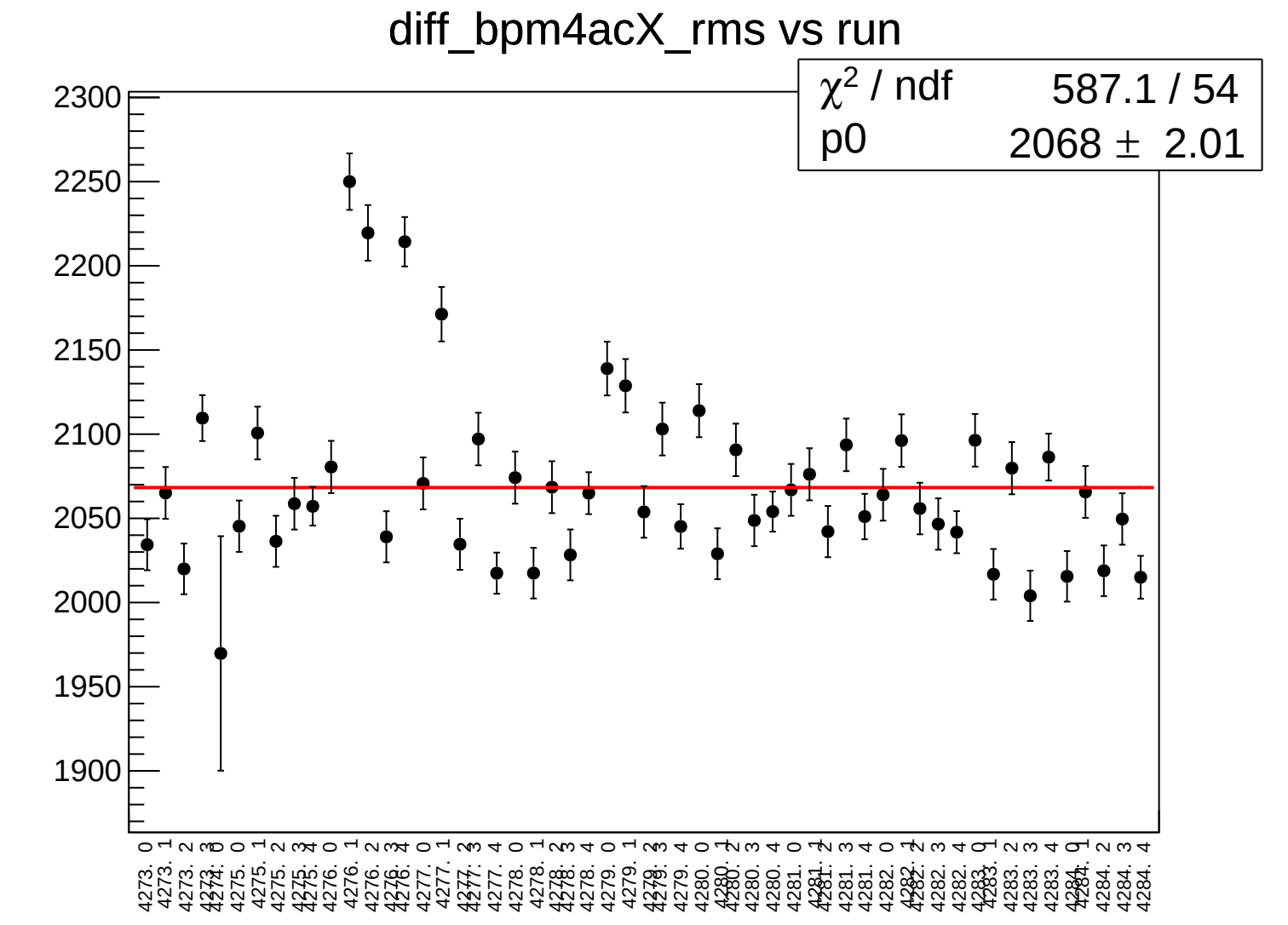
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


diff_bpm4acX_mean vs run
χ² / ndf 57 / 54
p0 −3.196 ± 2.843
50
0
−50
−100
−150
pull
Entries 55
Mean −45.64
Std Dev 86.76
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.03005
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4acX_rms vs run
χ² / ndf 587.1 / 54
p0 2068 ± 2.01
2300
2250
2200
2150
2100
2050
2000
1950
1900
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 2
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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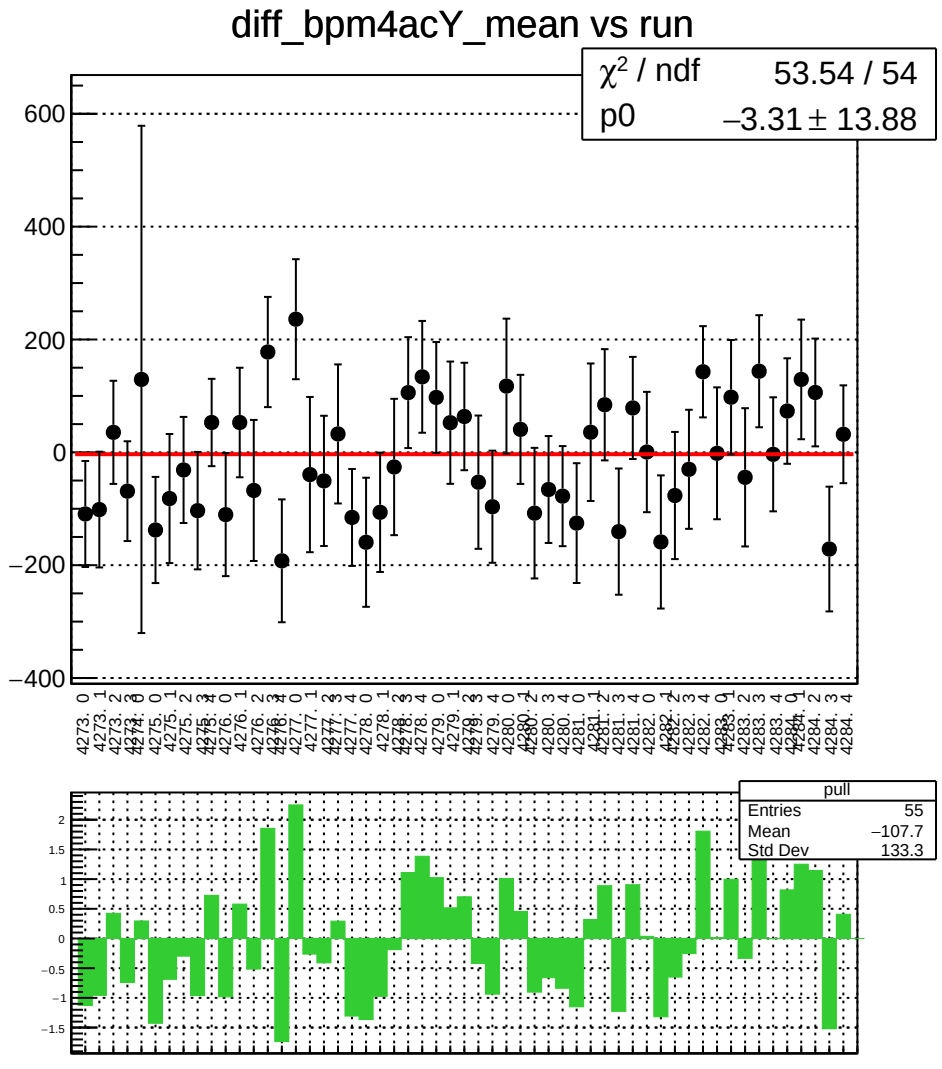
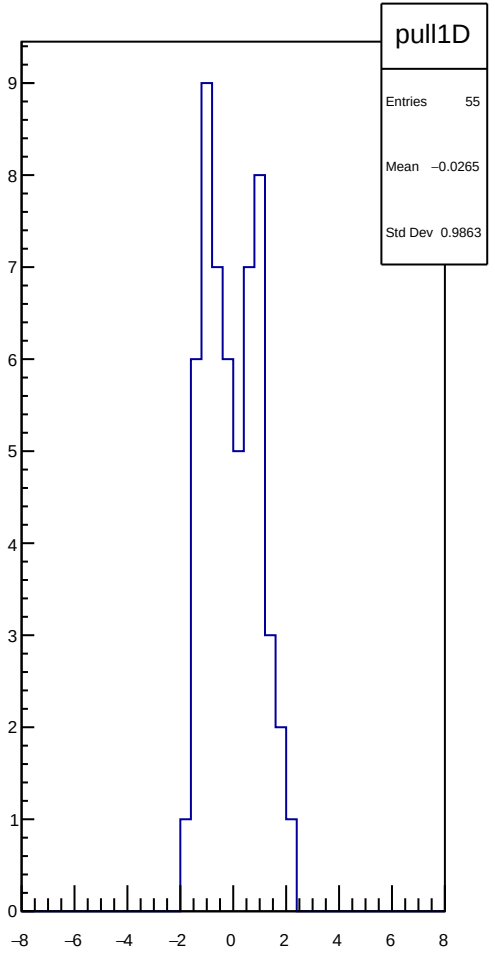
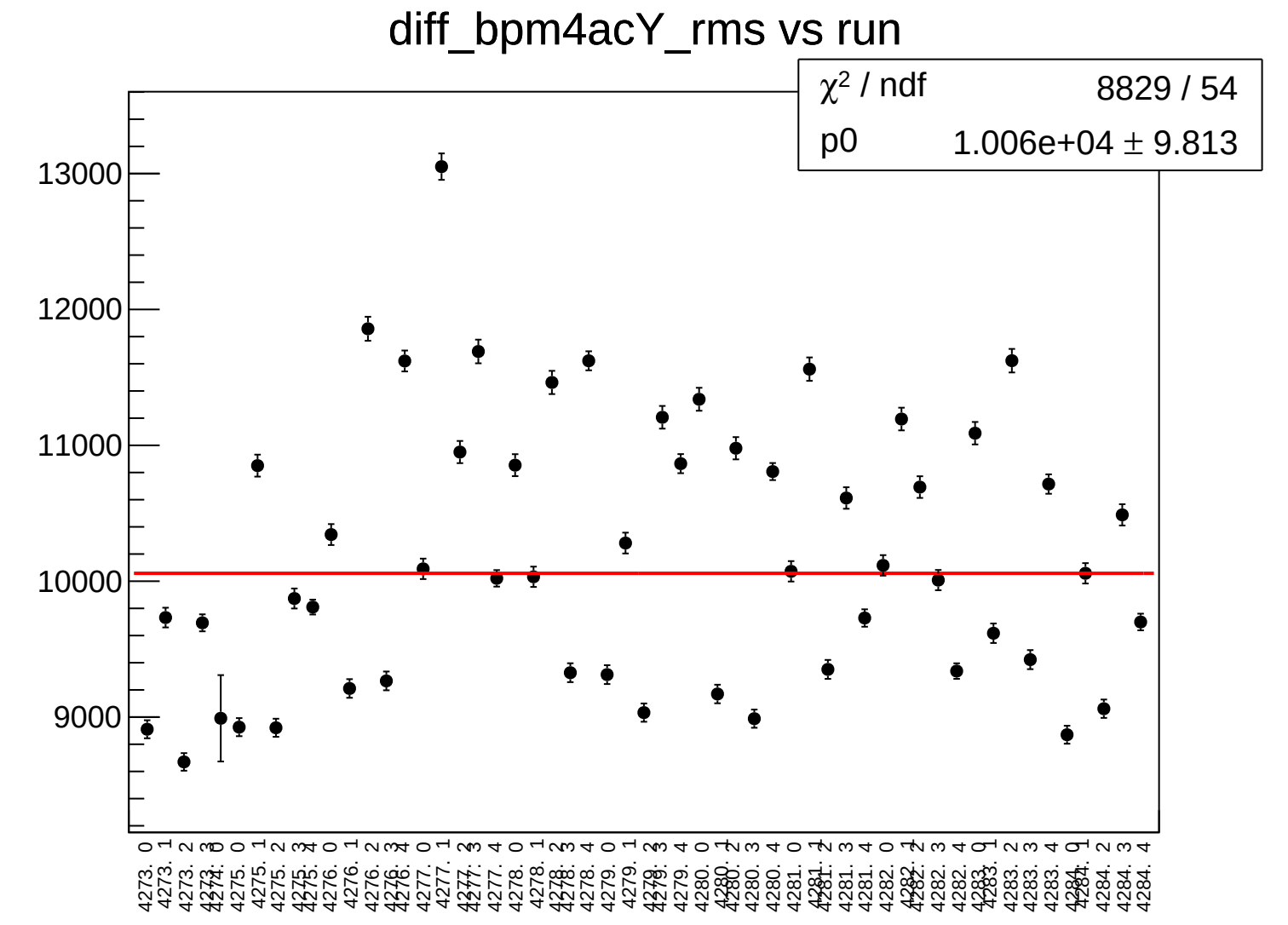
4284. 3
4284. 4


diff_bpm4acY_mean vs run
χ² / ndf 53.54 / 54
p0 −3.31 ± 13.88
pull
Entries 55
Mean −107.7
Std Dev 133.3


pull1D
Entries 55
Mean −0.0265
Std Dev 0.9863


diff_bpm4acY_rms vs run
χ² / ndf 8829 / 54
p0 1.006e+04 ± 9.813
13000
12000
11000
10000
9000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
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4279. 4
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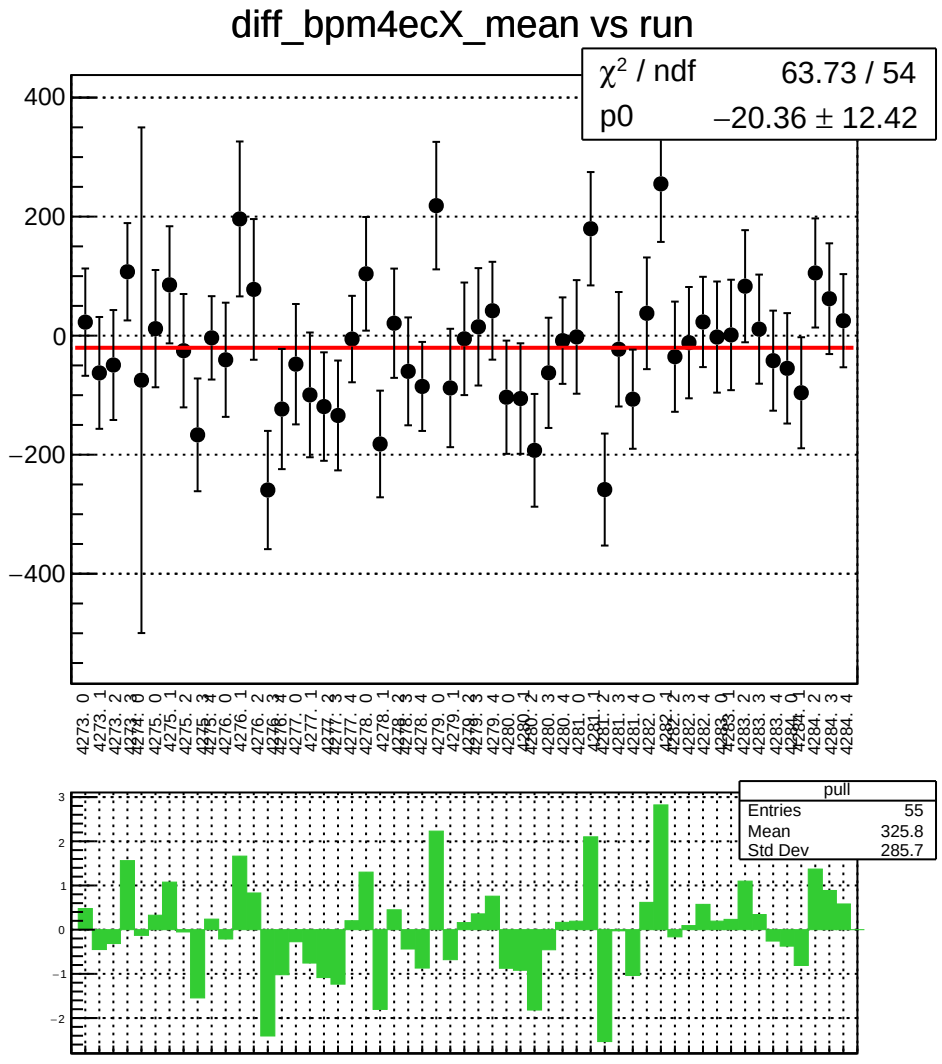
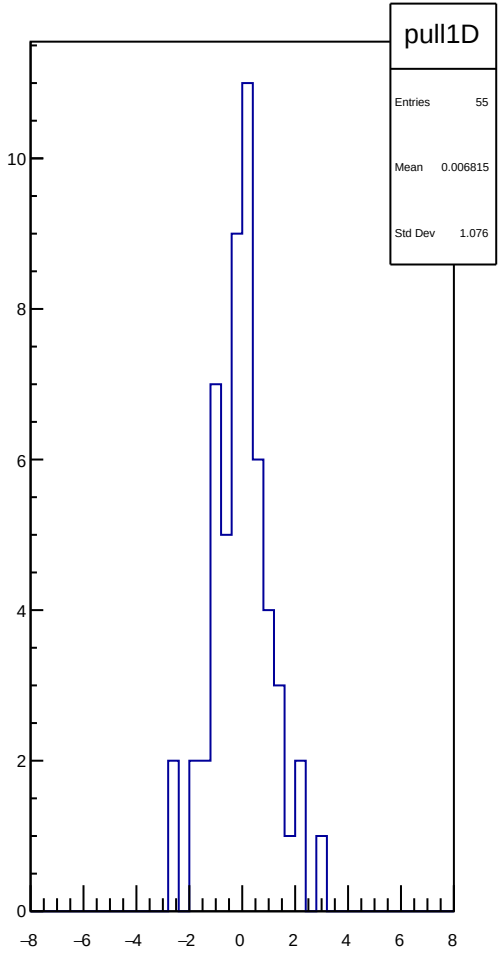
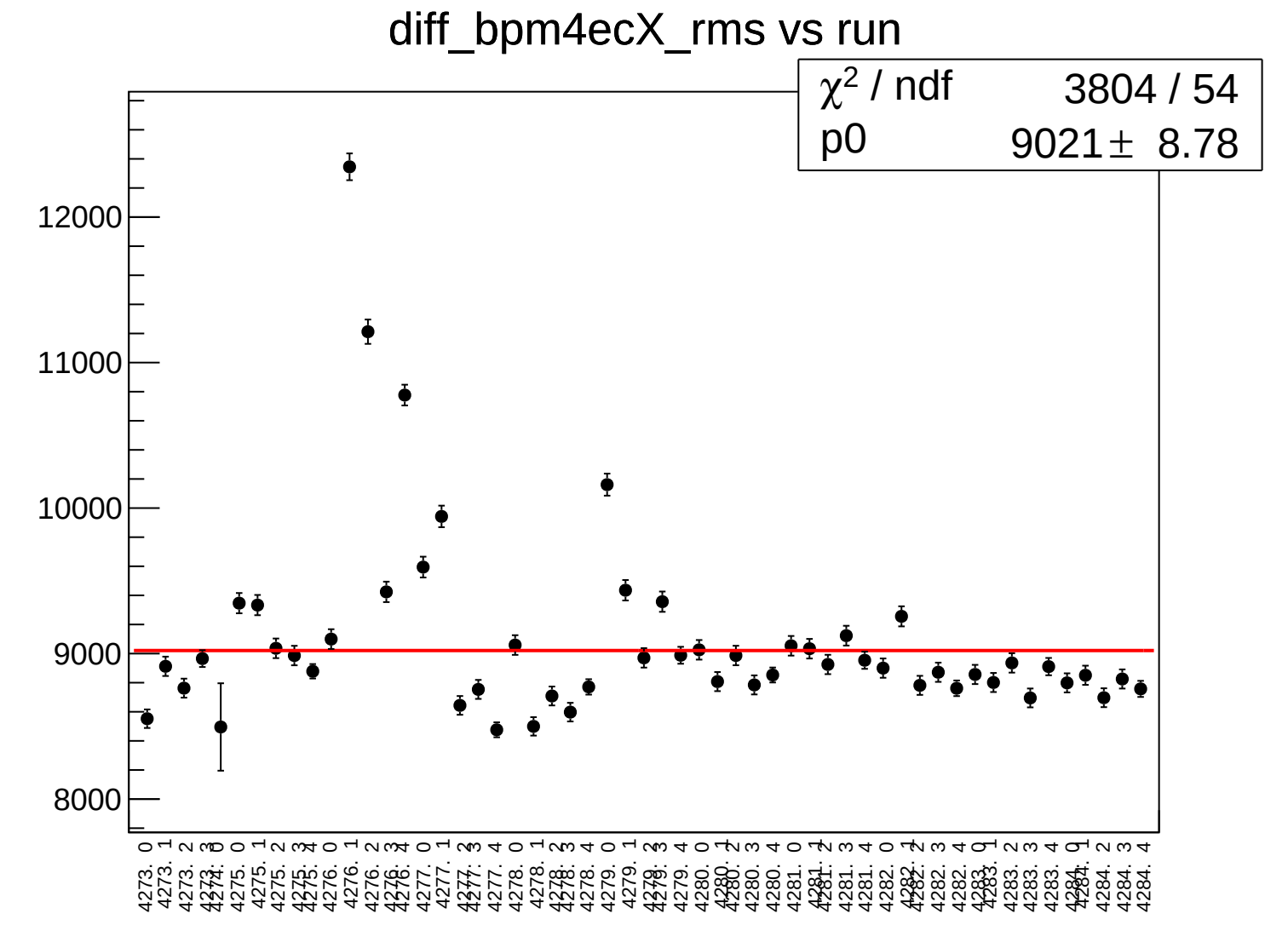
4284. 4


diff_bpm4ecX_mean vs run
χ² / ndf 63.73 / 54
p0 −20.36 ± 12.42
400
200
0
−200
−400
pull
Entries 55
Mean 325.8
Std Dev 285.7
3
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.006815
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4ecX_rms vs run
χ² / ndf 3804 / 54
p0 9021 ± 8.78
12000
11000
10000
9000
8000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4282. 3
4282. 4
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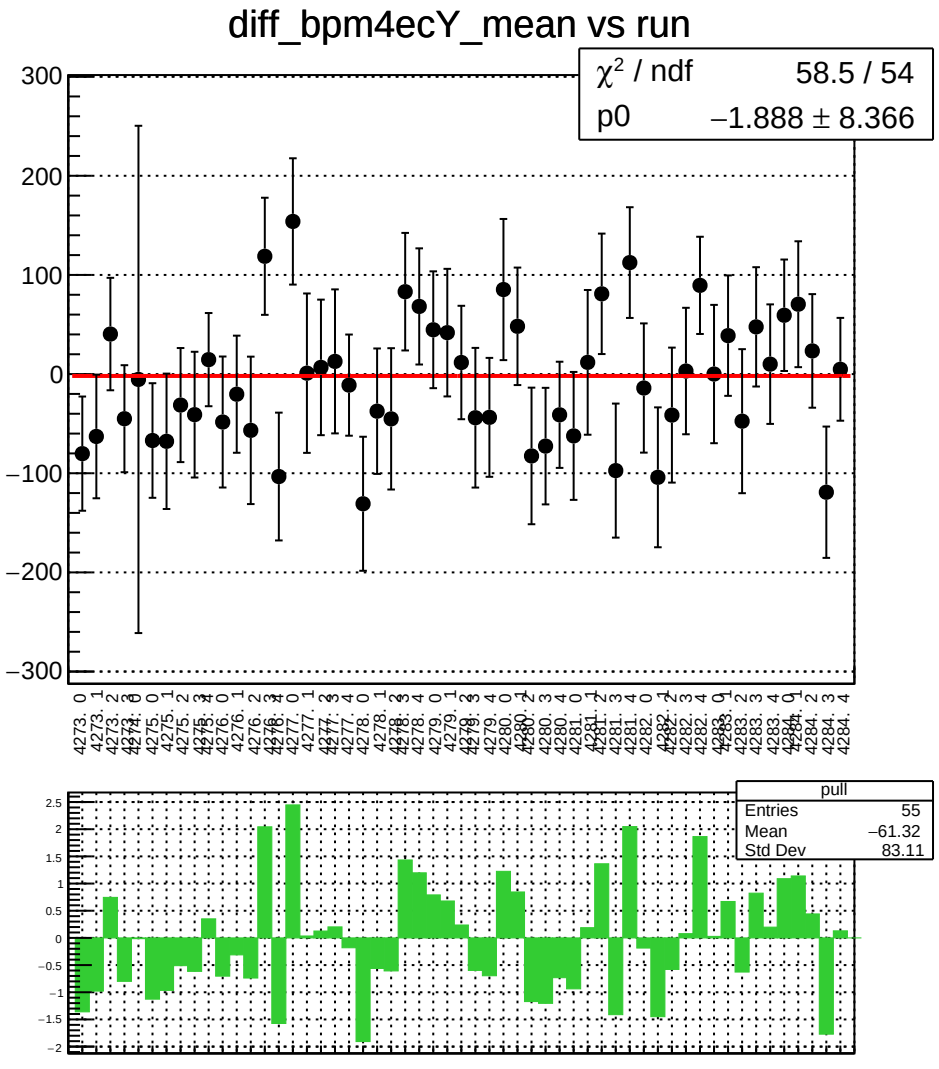
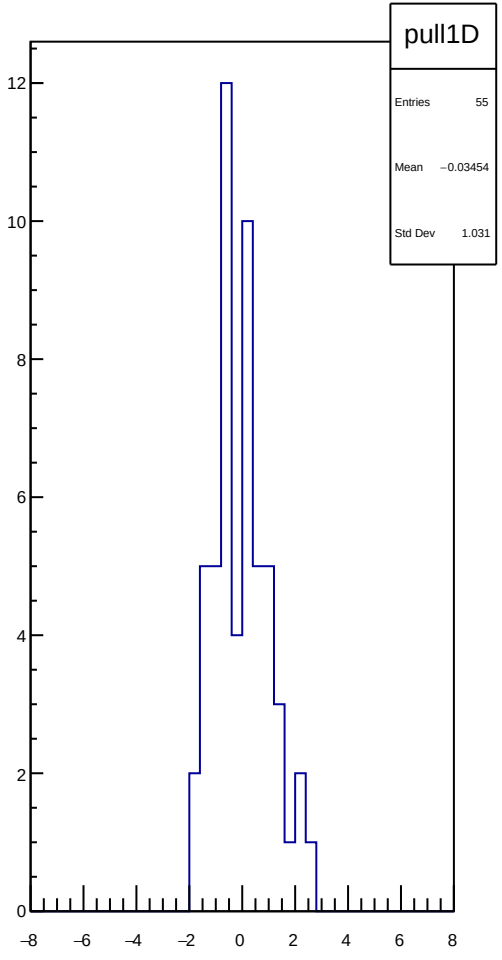
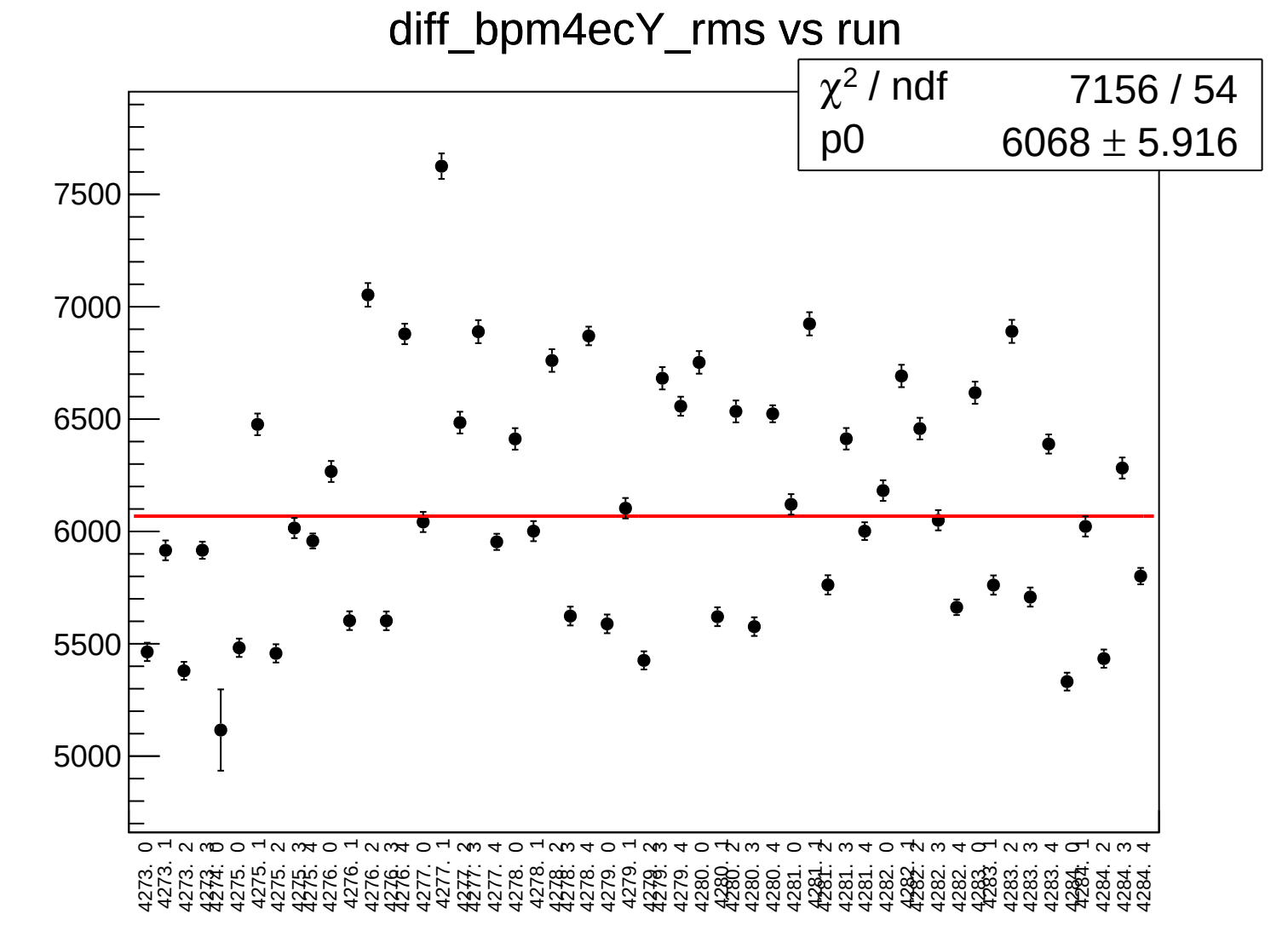
4284. 4


diff_bpm4ecY_mean vs run
χ² / ndf 58.5 / 54
p0 −1.888 ± 8.366
pull
Entries 55
Mean −61.32
Std Dev 83.11


pull1D
Entries 55
Mean −0.03454
Std Dev 1.031


diff_bpm4ecY_rms vs run
χ² / ndf 7156 / 54
p0 6068 ± 5.916
7500
7000
6500
6000
5500
5000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
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4277. 0
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4277. 3
4277. 4
4278. 0
4278. 1
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4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
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4280. 0
4280. 1
4280. 2
4280. 3
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4282. 1
4282. 2
4282. 3
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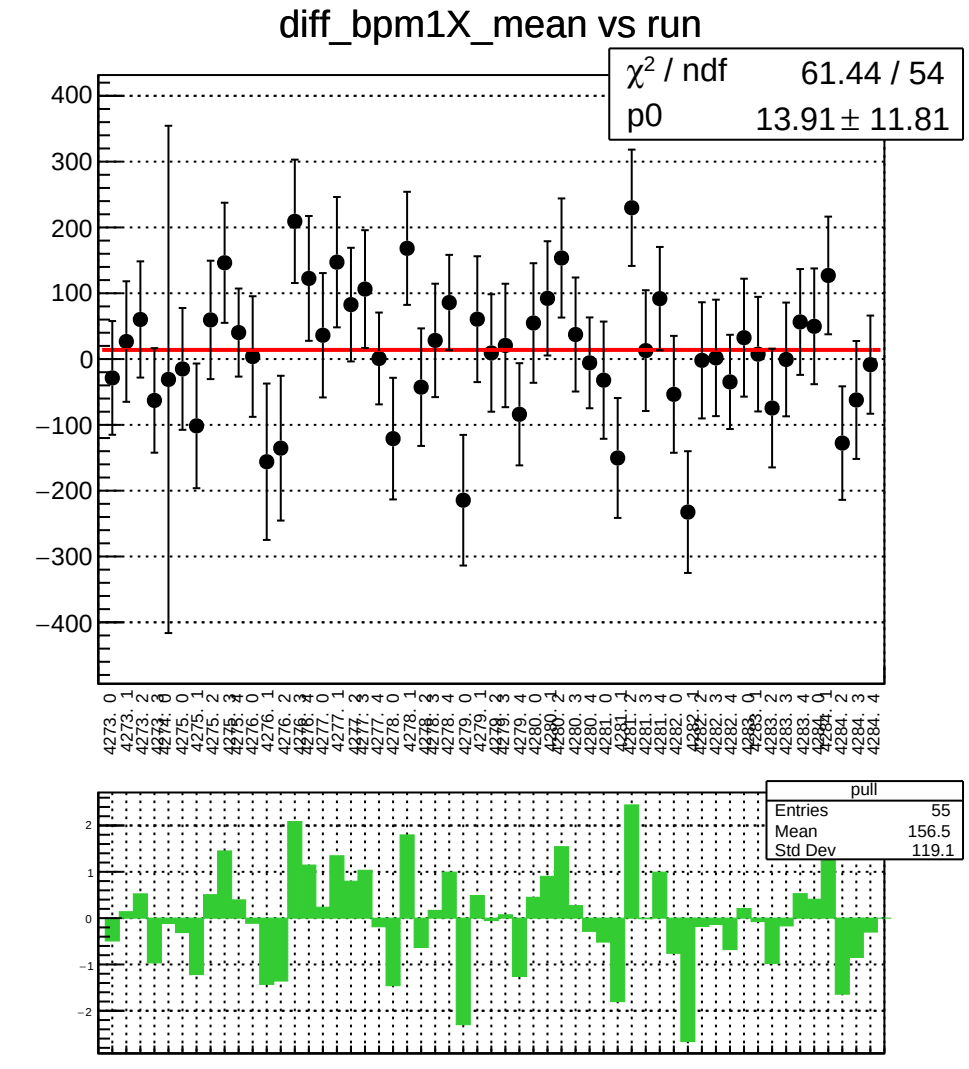
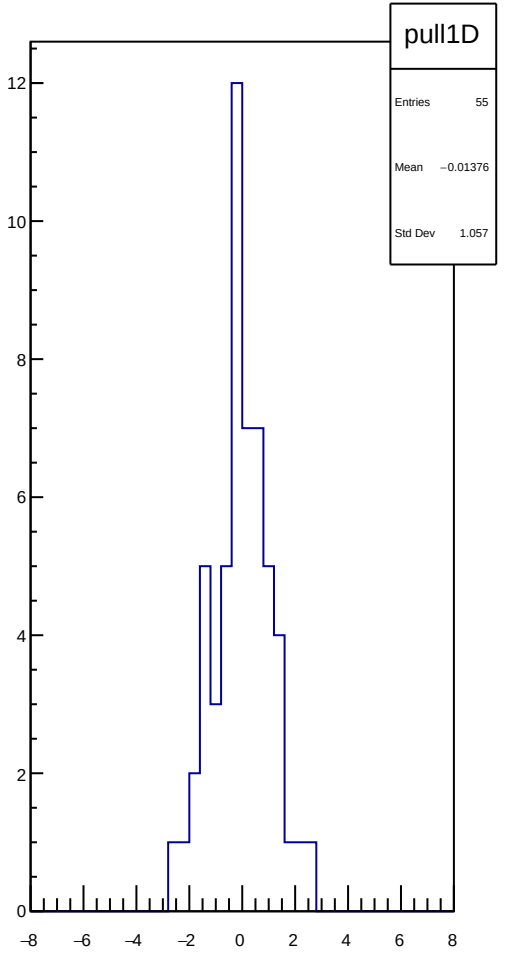
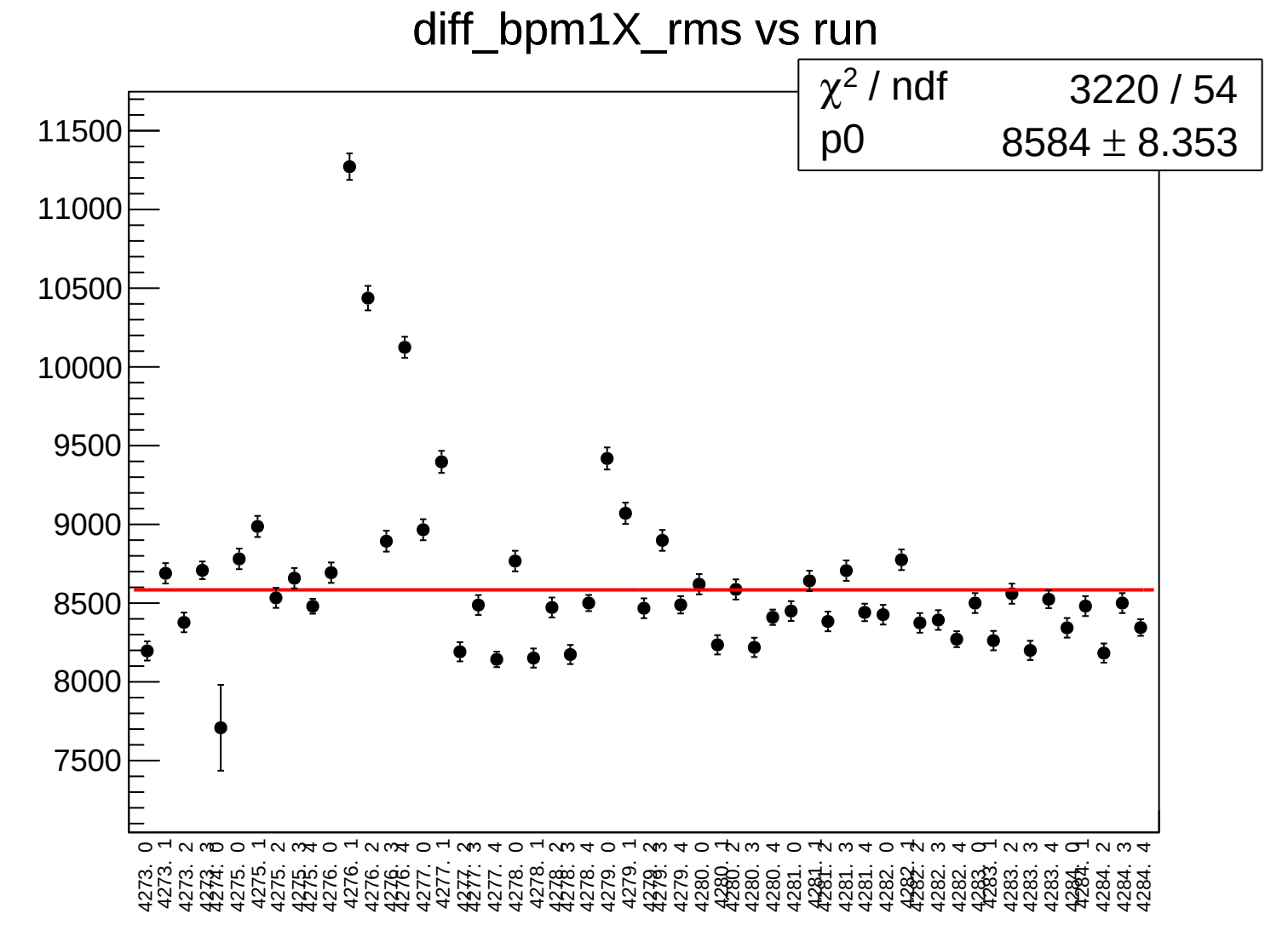
4284. 4


diff_bpm1X_mean vs run
χ² / ndf 61.44 / 54
p0 13.91 ± 11.81
pull
Entries 55
Mean 156.5
Std Dev 119.1


pull1D
Entries 55
Mean −0.01376
Std Dev 1.057


diff_bpm1X_rms vs run
χ² / ndf 3220 / 54
p0 8584 ± 8.353
11500
11000
10500
10000
9500
9000
8500
8000
7500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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4283. 4
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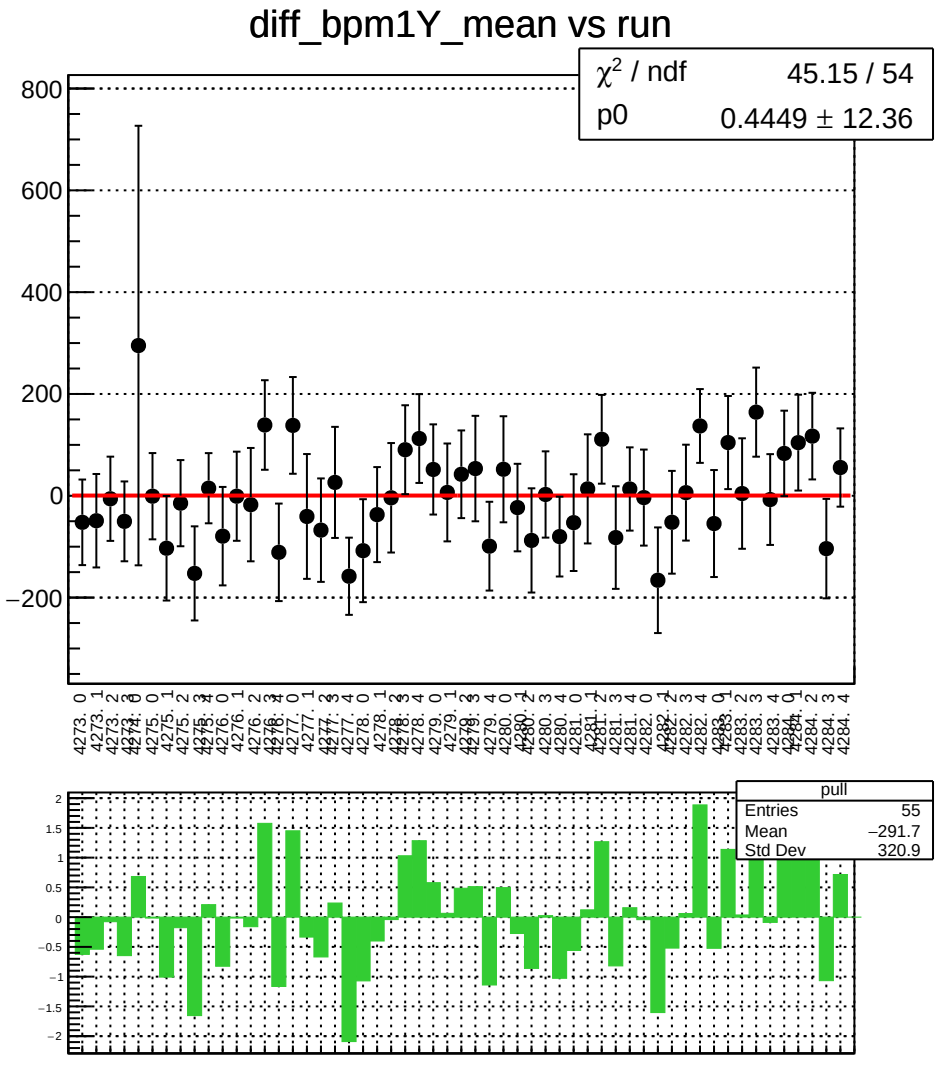
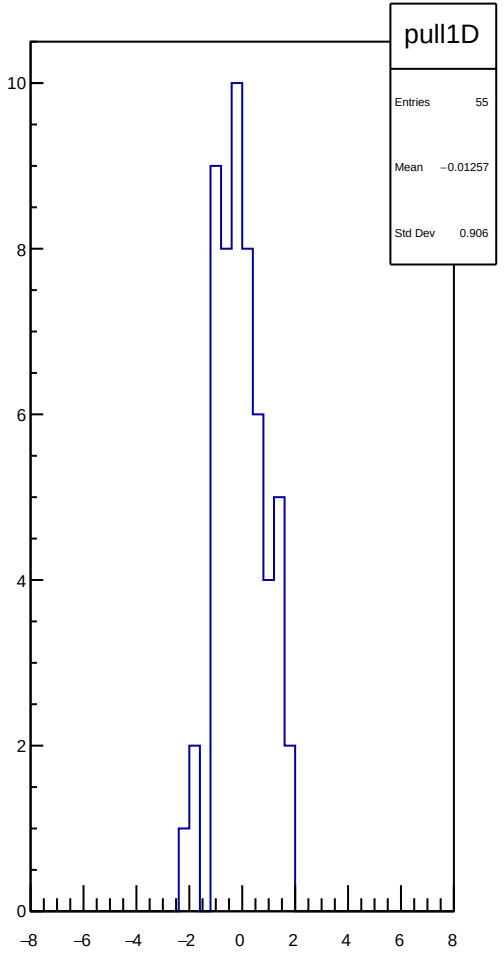
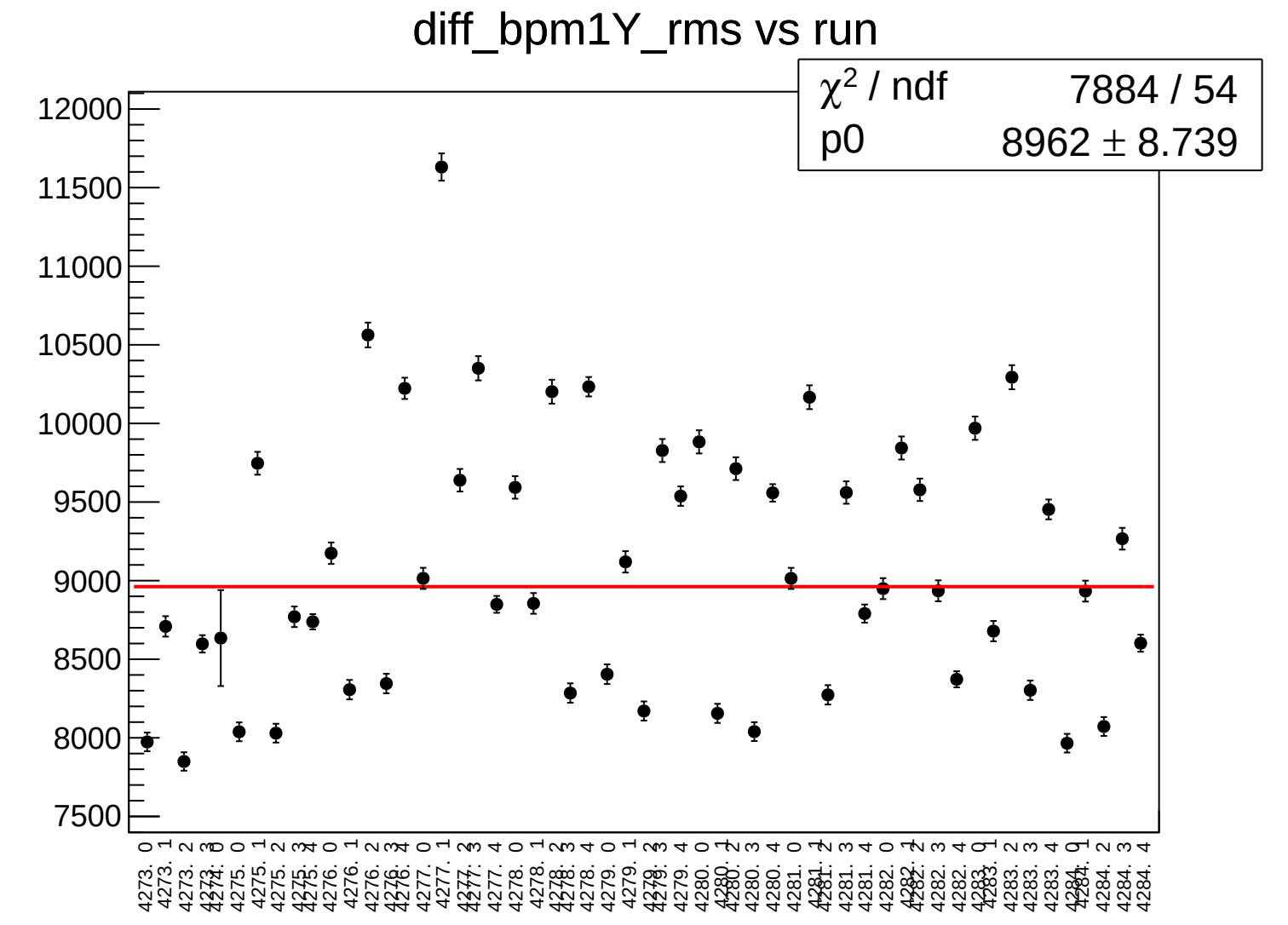
4284. 3
4284. 4


diff_bpm1Y_mean vs run
χ² / ndf 45.15 / 54
p0 0.4449 ± 12.36
pull
Entries 55
Mean −291.7
Std Dev 320.9


pull1D
Entries 55
Mean −0.01257
Std Dev 0.906


diff_bpm1Y_rms vs run
χ² / ndf 7884 / 54
p0 8962 ± 8.739
12000
11500
11000
10500
10000
9500
9000
8500
8000
7500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
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4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
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4277. 2
4277. 3
4277. 4
4278. 0
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4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
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4281. 1
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4282. 2
4282. 3
4282. 4
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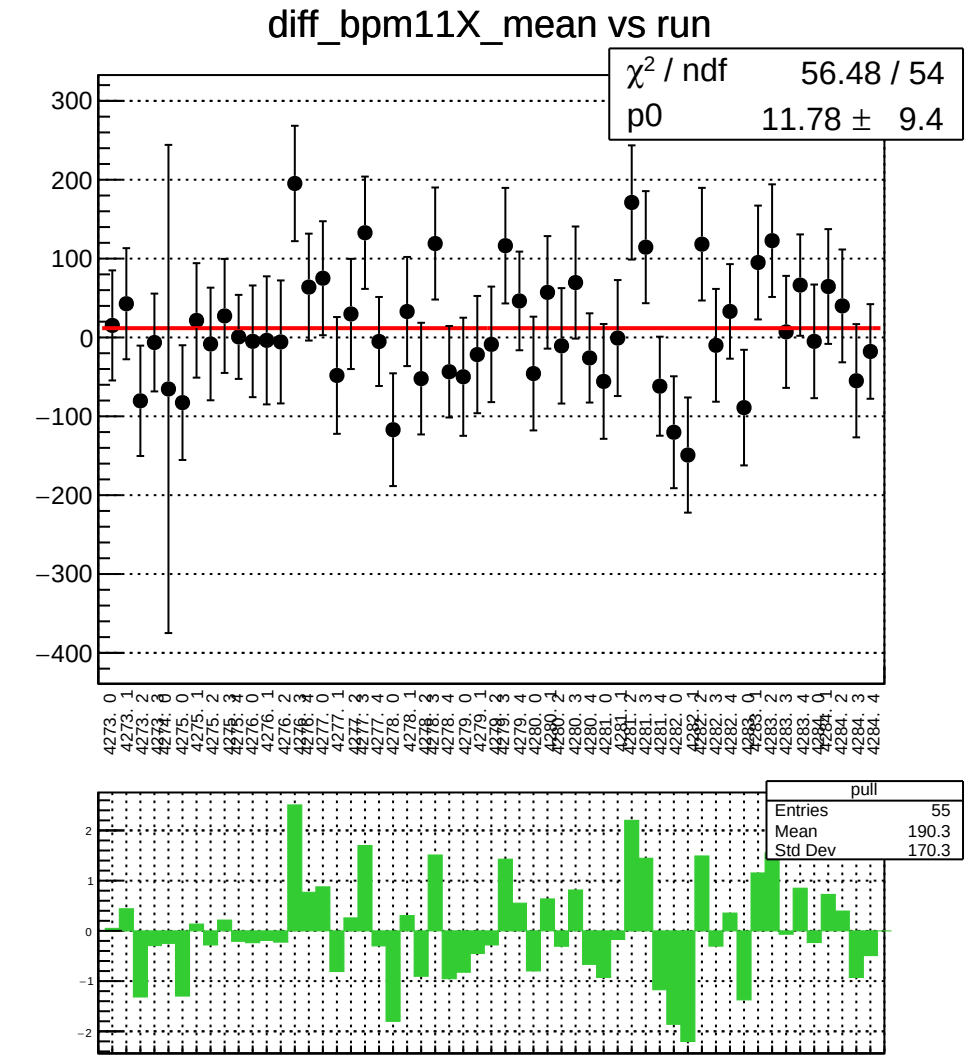
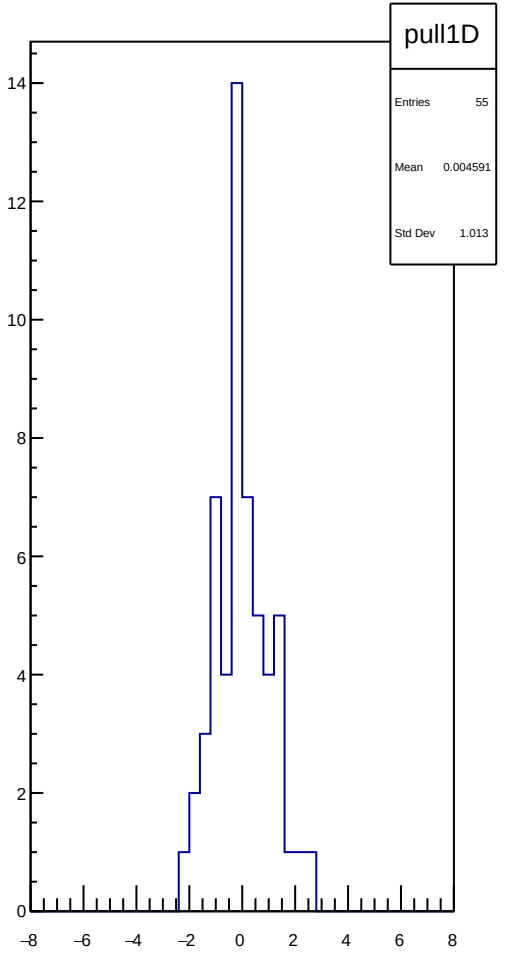
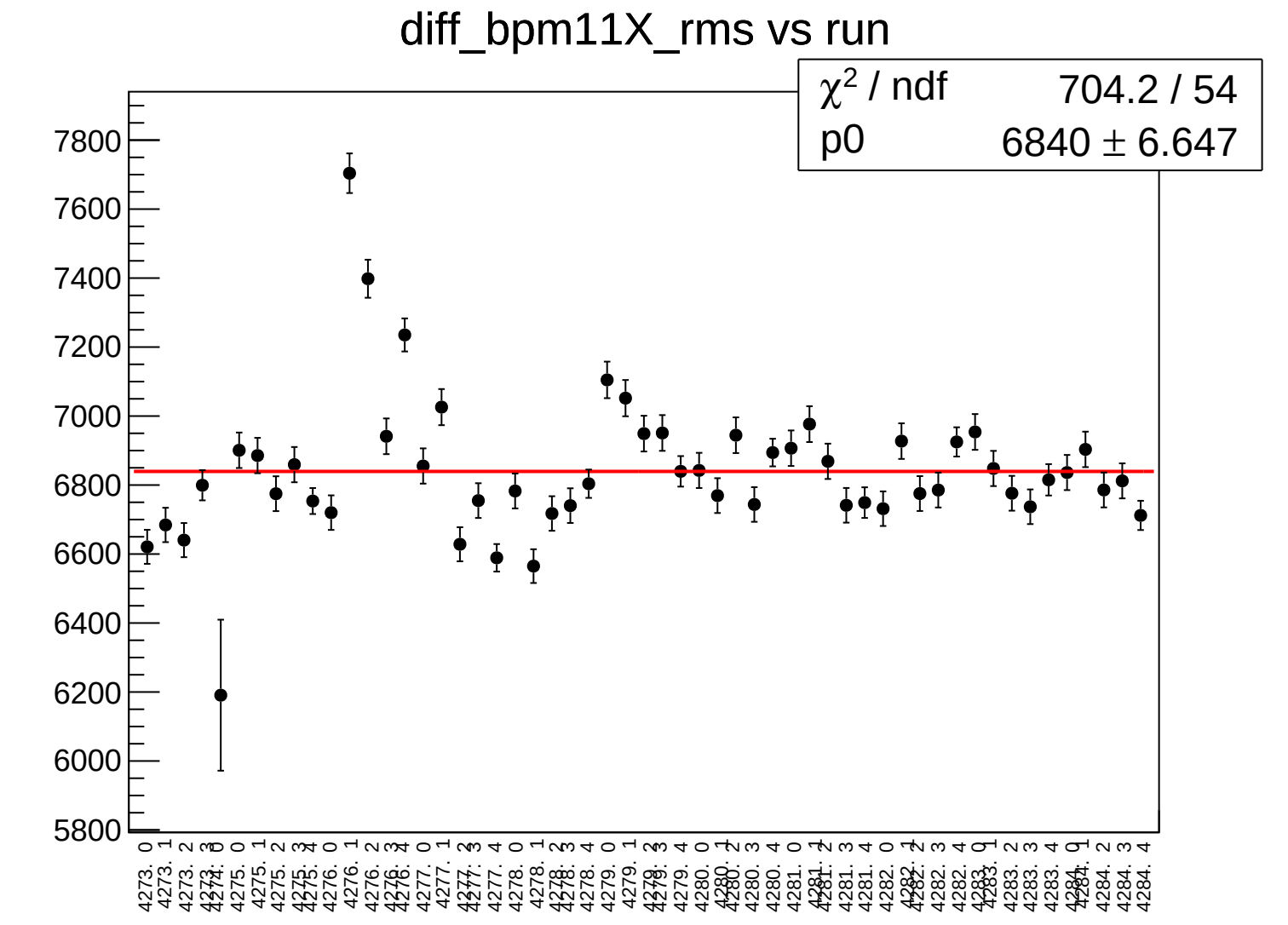
4284. 3
4284. 4


diff_bpm11X_mean vs run
χ² / ndf 56.48 / 54
p0 11.78 ± 9.4
pull
Entries 55
Mean 190.3
Std Dev 170.3


pull1D
Entries 55
Mean 0.004591
Std Dev 1.013


diff_bpm11X_rms vs run
χ² / ndf 704.2 / 54
p0 6840 ± 6.647
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
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4273. 4
4274. 0
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4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
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4279. 2
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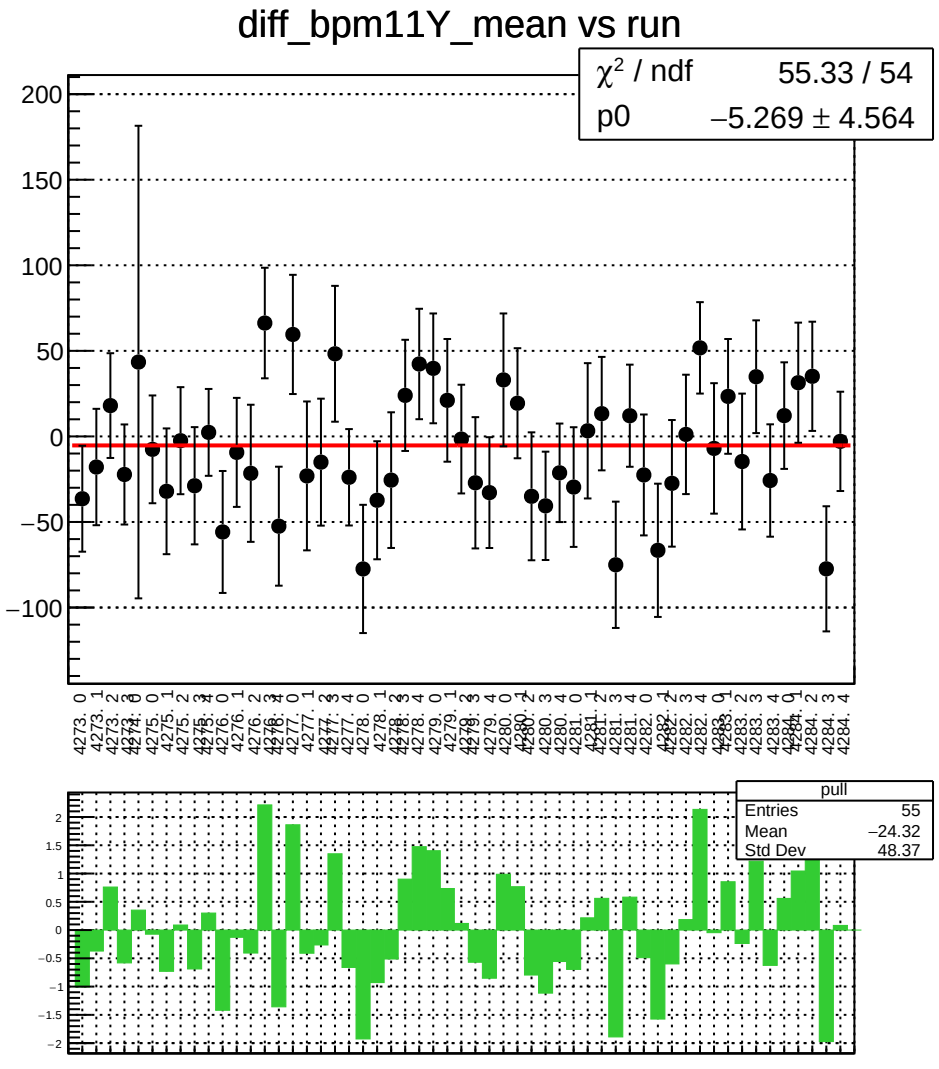
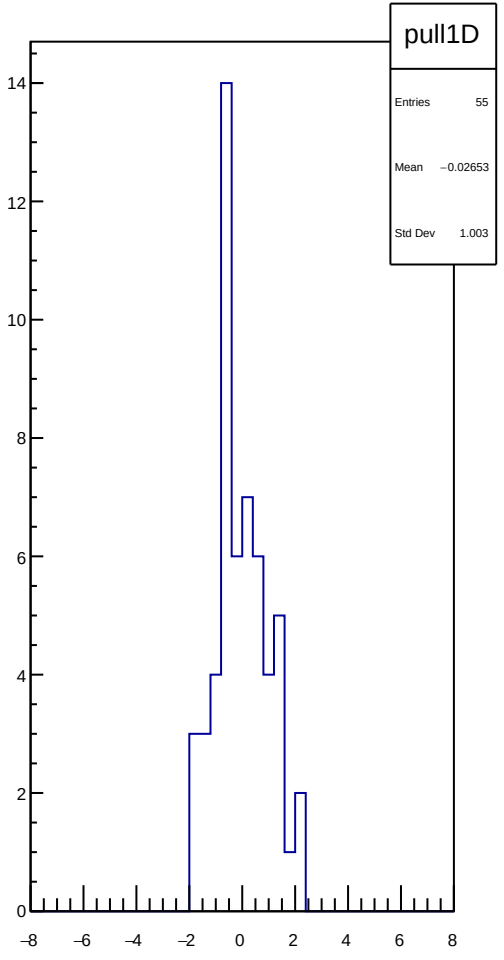
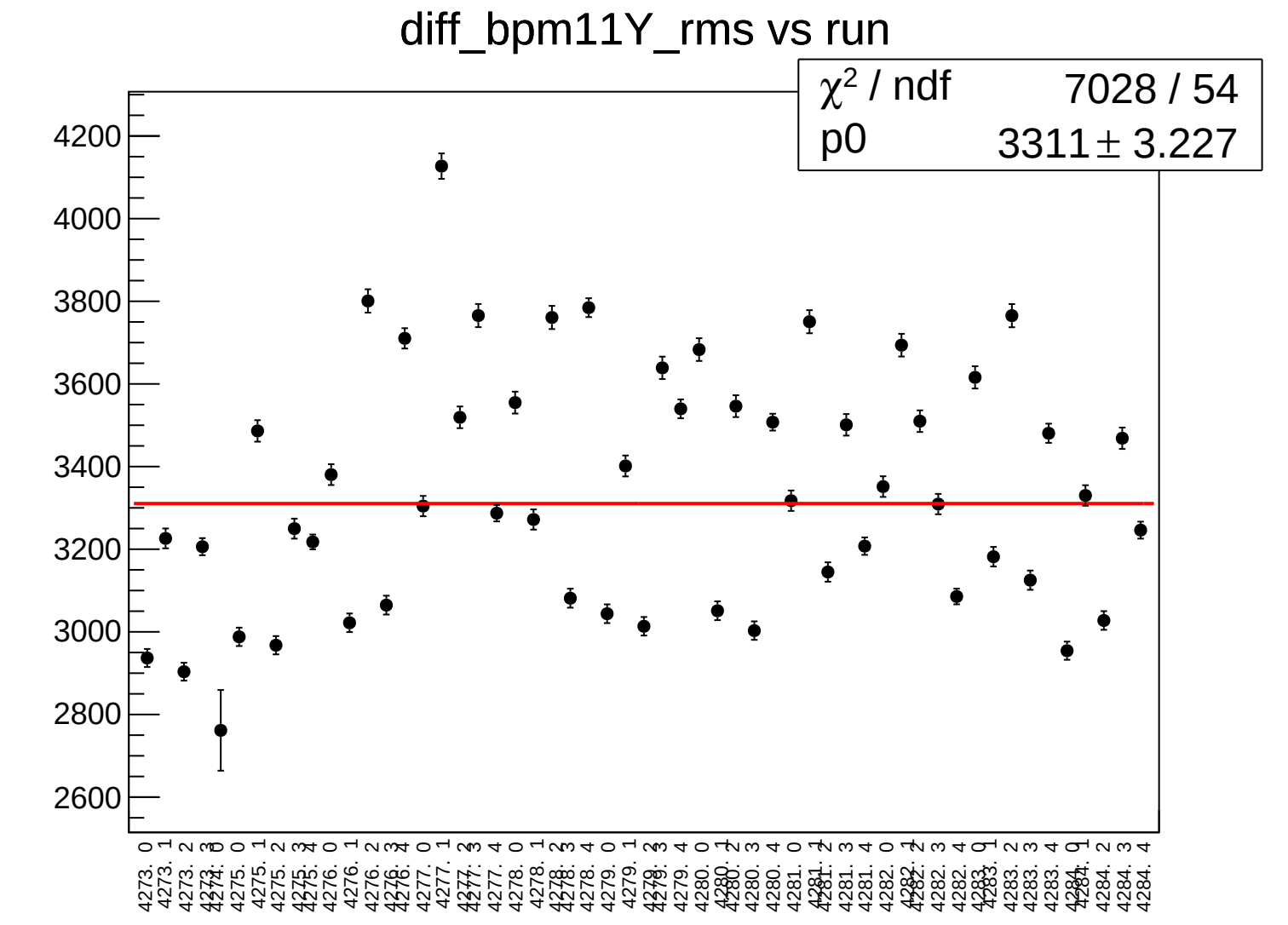
4284. 3
4284. 4


diff_bpm11Y_mean vs run
χ² / ndf 55.33 / 54
p0 −5.269 ± 4.564
pull
Entries 55
Mean −24.32
Std Dev 48.37


pull1D
Entries 55
Mean −0.02653
Std Dev 1.003


diff_bpm11Y_rms vs run
χ² / ndf 7028 / 54
p0 3311 ± 3.227
4200
4000
3800
3600
3400
3200
3000
2800
2600
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4278. 0
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4278. 2
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4278. 4
4279. 0
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4279. 2
4279. 3
4279. 4
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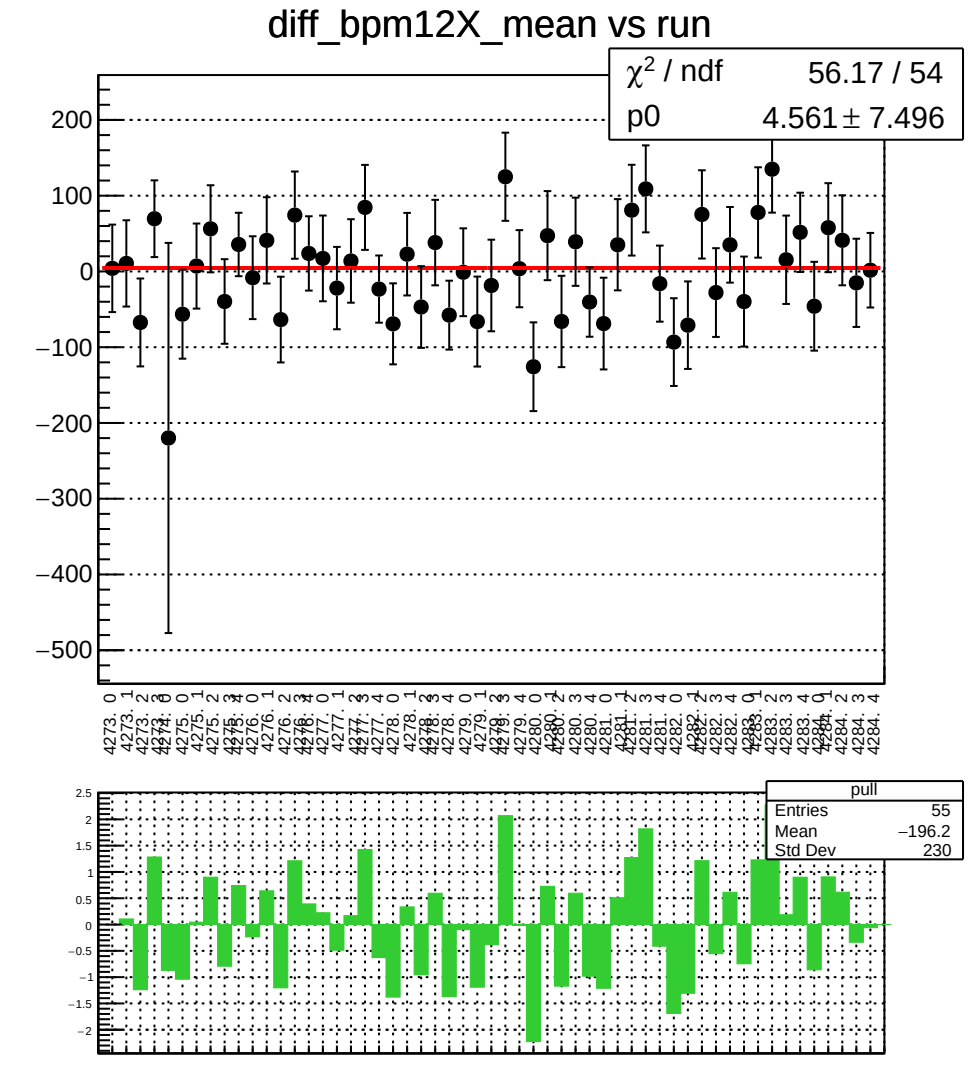
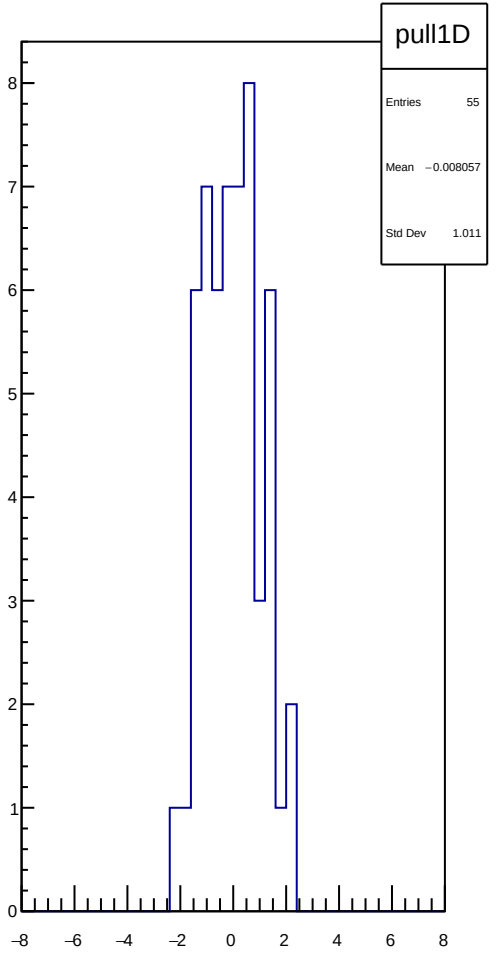
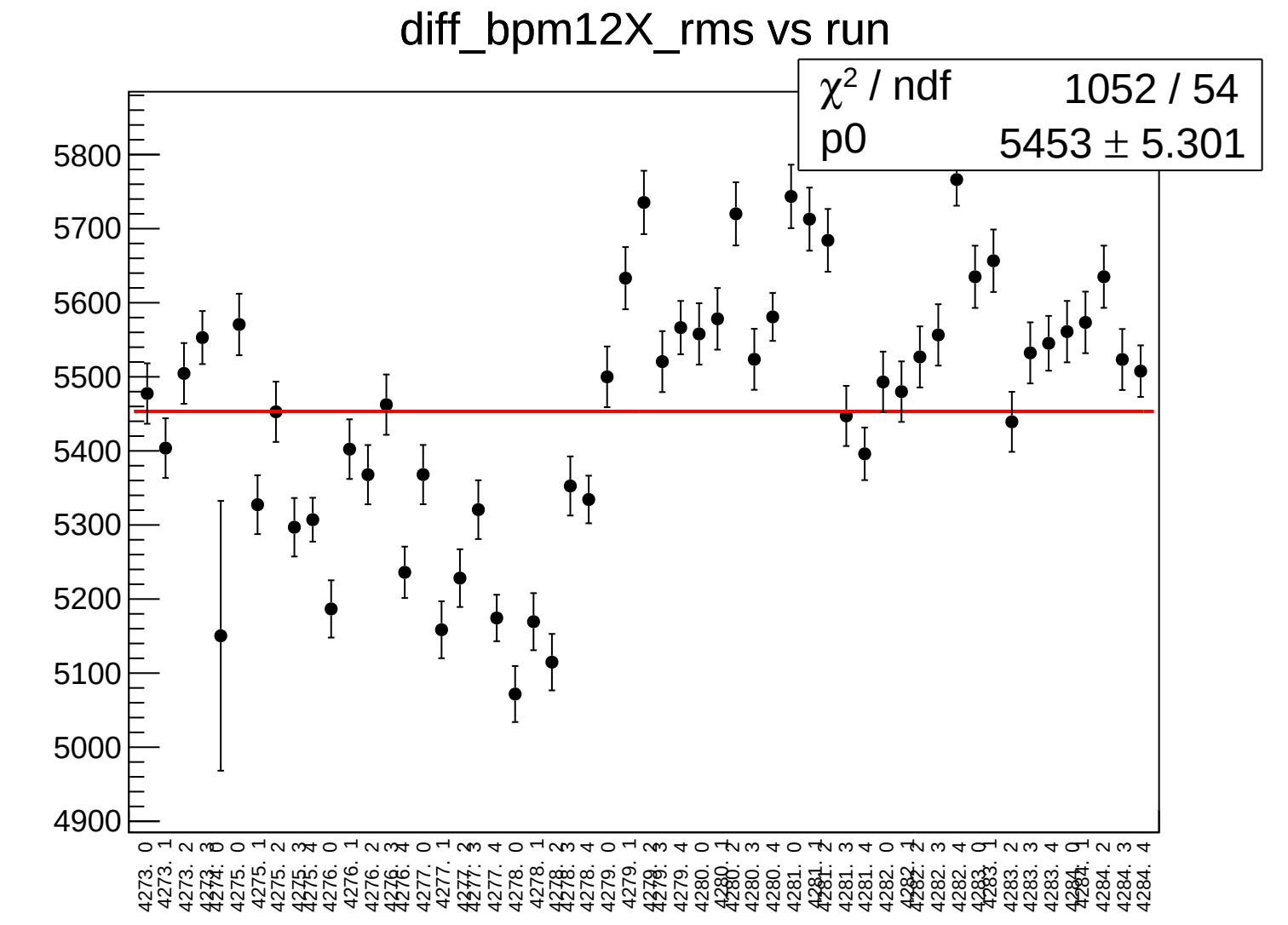
4284. 3
4284. 4


diff_bpm12X_mean vs run
χ² / ndf 56.17 / 54
p0 4.561 ± 7.496
pull
Entries 55
Mean −196.2
Std Dev 230


pull1D
Entries 55
Mean −0.008057
Std Dev 1.011


diff_bpm12X_rms vs run
χ² / ndf 1052 / 54
p0 5453 ± 5.301
5800
5700
5600
5500
5400
5300
5200
5100
5000
4900
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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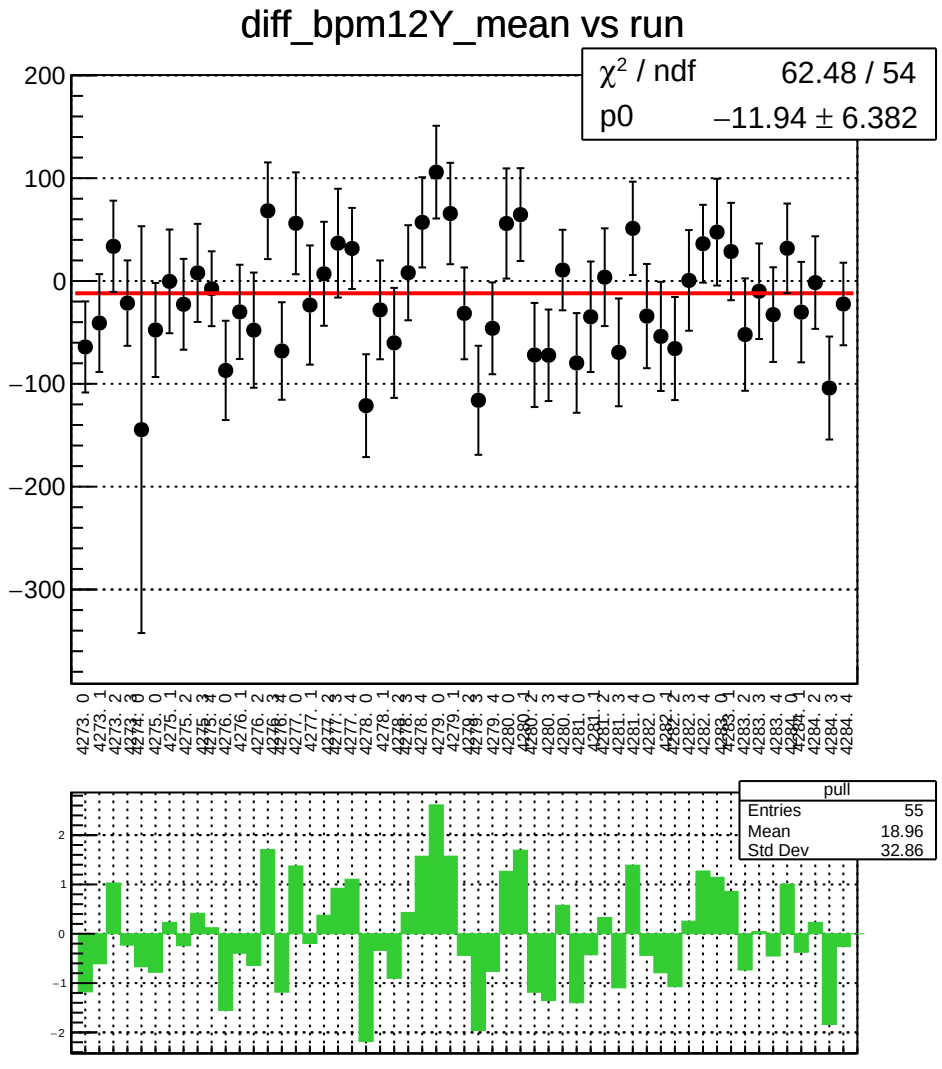
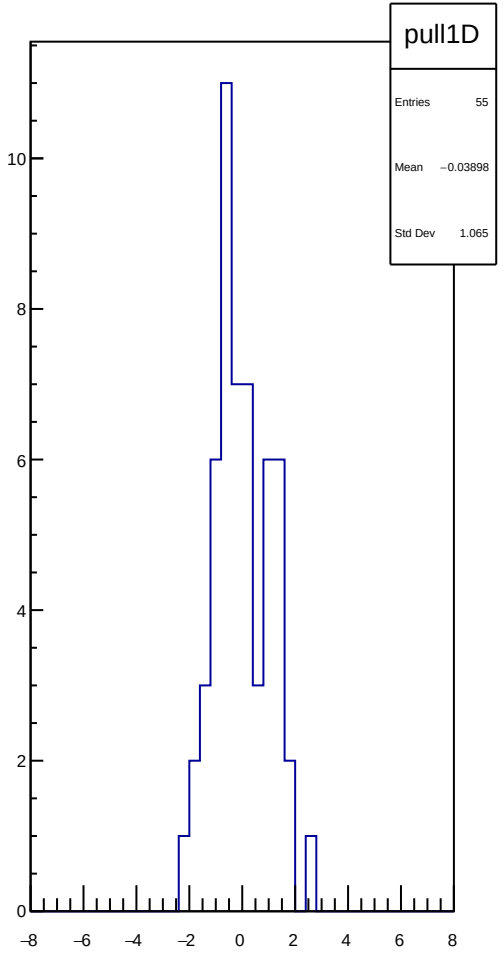
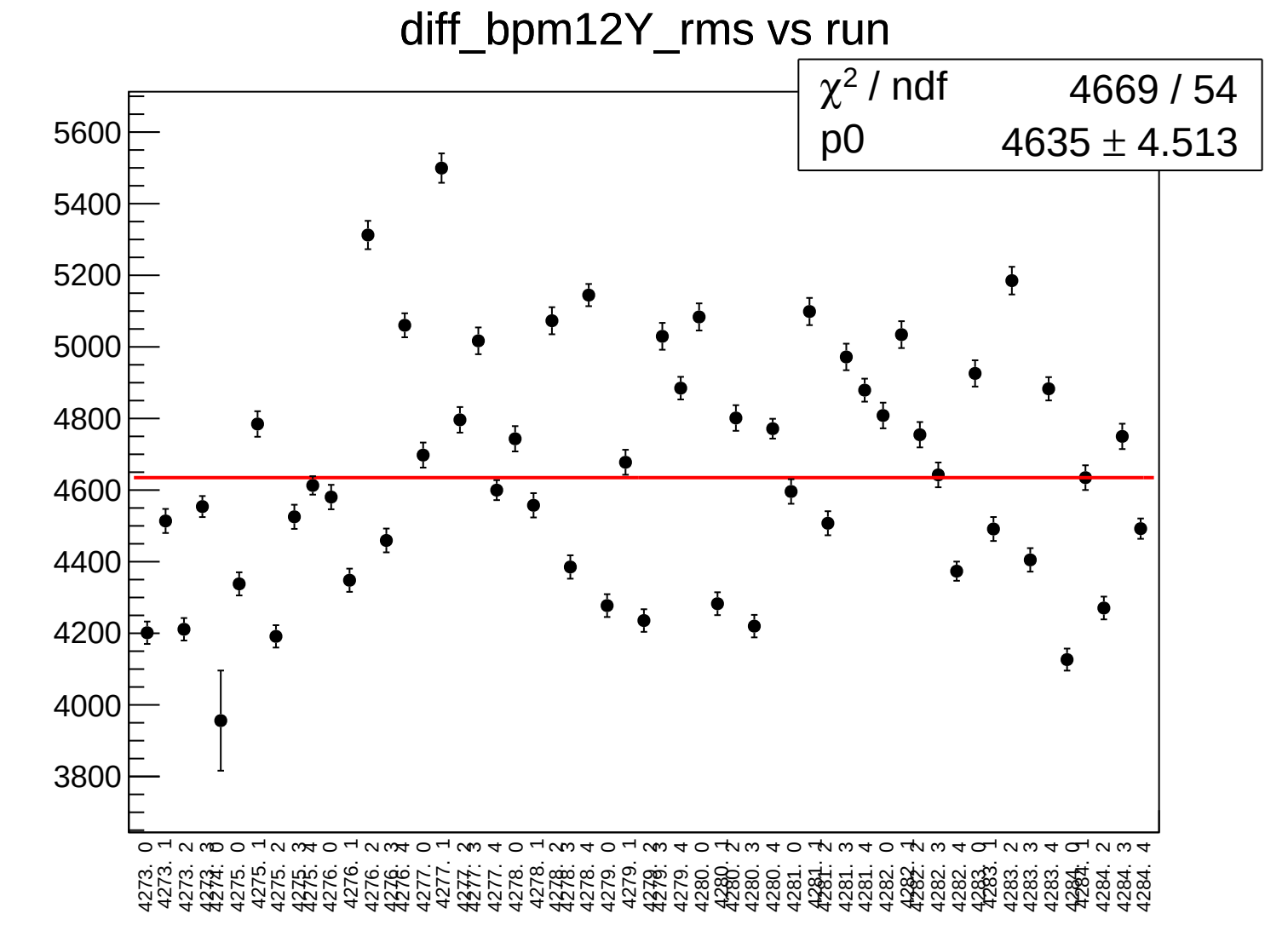
4284. 3
4284. 4


diff_bpm12Y_mean vs run
χ² / ndf 62.48 / 54
p0 −11.94 ± 6.382
200
100
0
−100
−200
−300
pull
Entries 55
Mean 18.96
Std Dev 32.86
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.03898
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm12Y_rms vs run
χ² / ndf 4669 / 54
p0 4635 ± 4.513
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
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4282. 4
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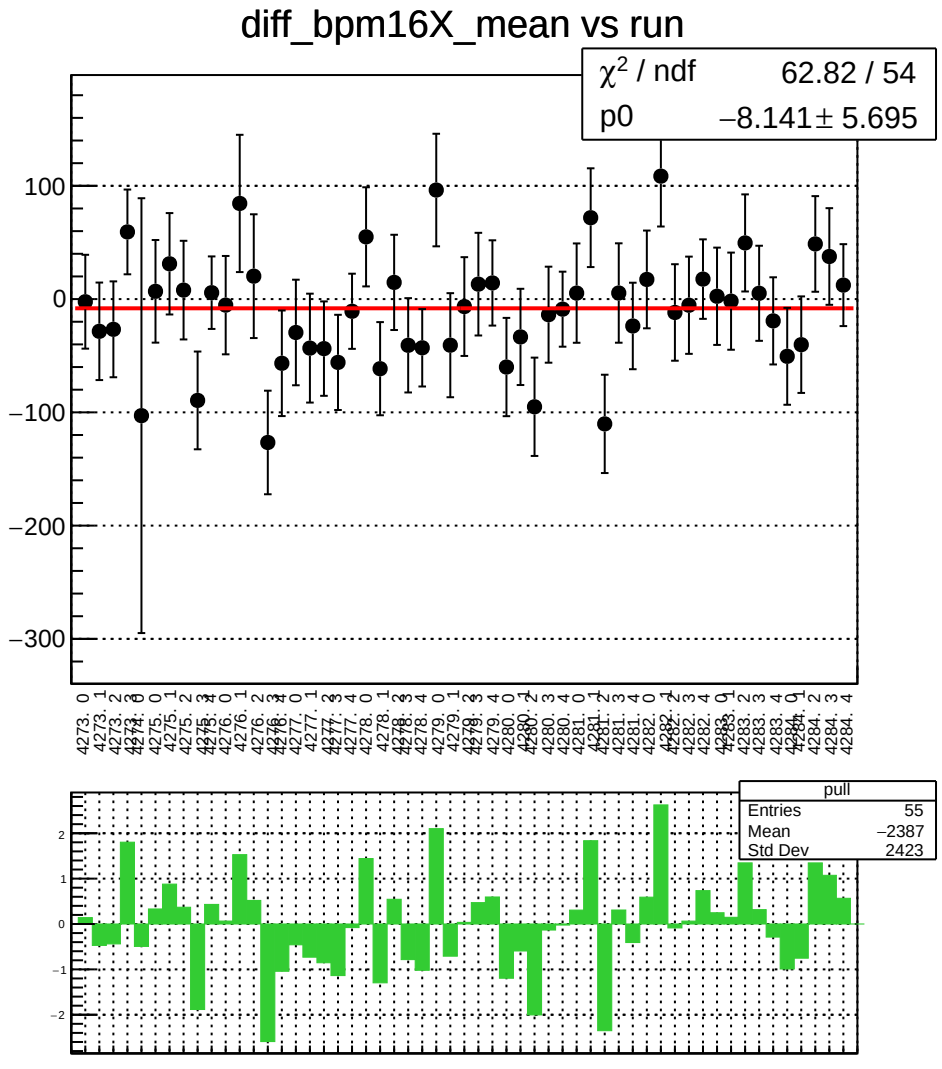
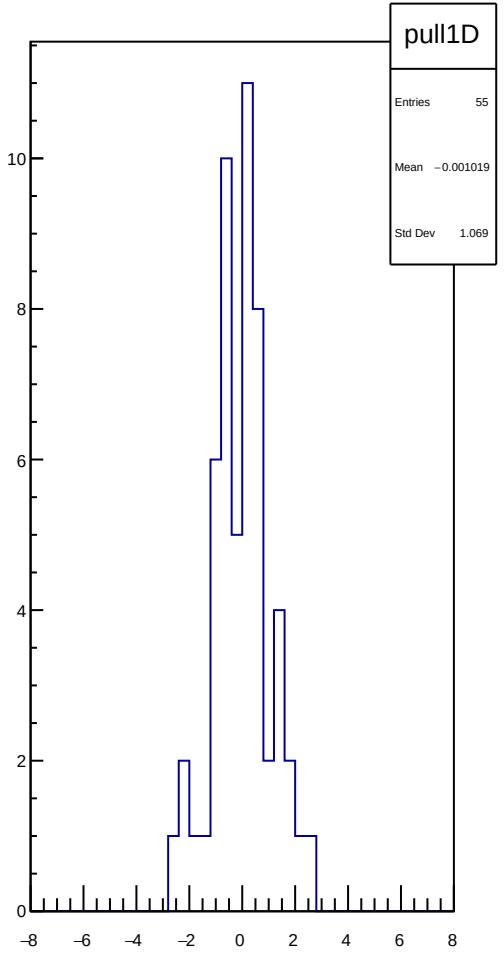
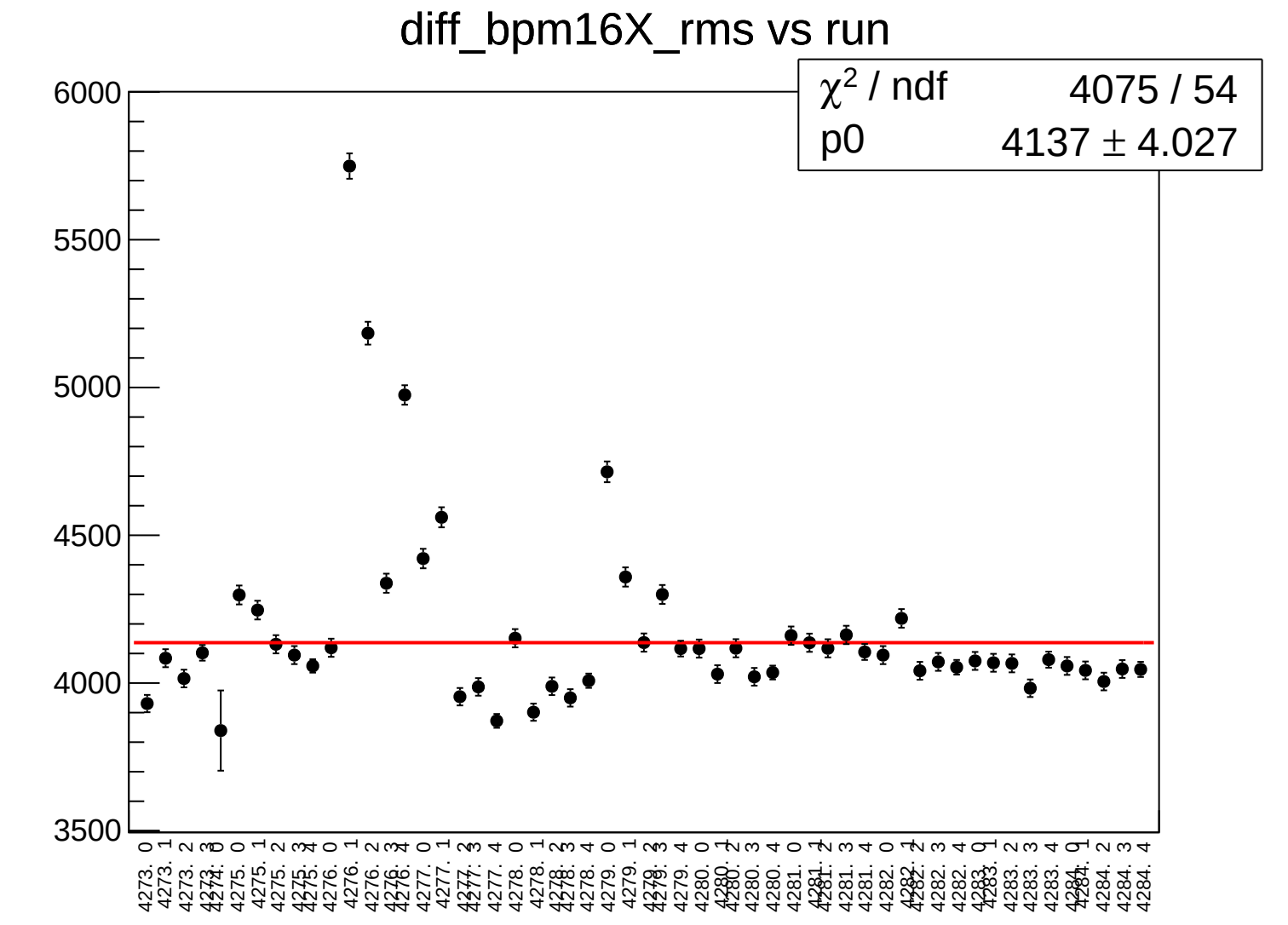

diff_bpm16X_mean vs run
χ² / ndf 62.82 / 54
p0 −8.141 ± 5.695
100
0
−100
−200
−300
pull
Entries 55
Mean −2387
Std Dev 2423
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.001019
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm16X_rms vs run
χ² / ndf 4075 / 54
p0 4137 ± 4.027
6000
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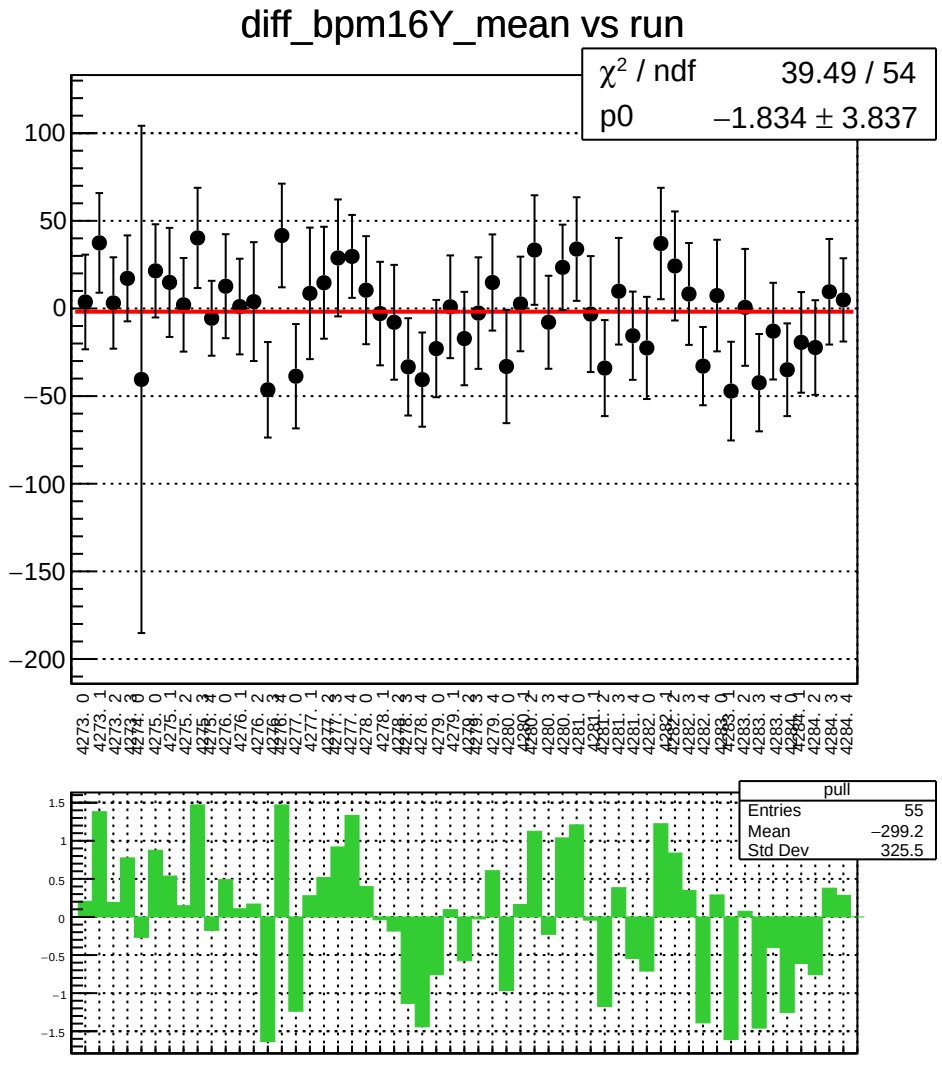
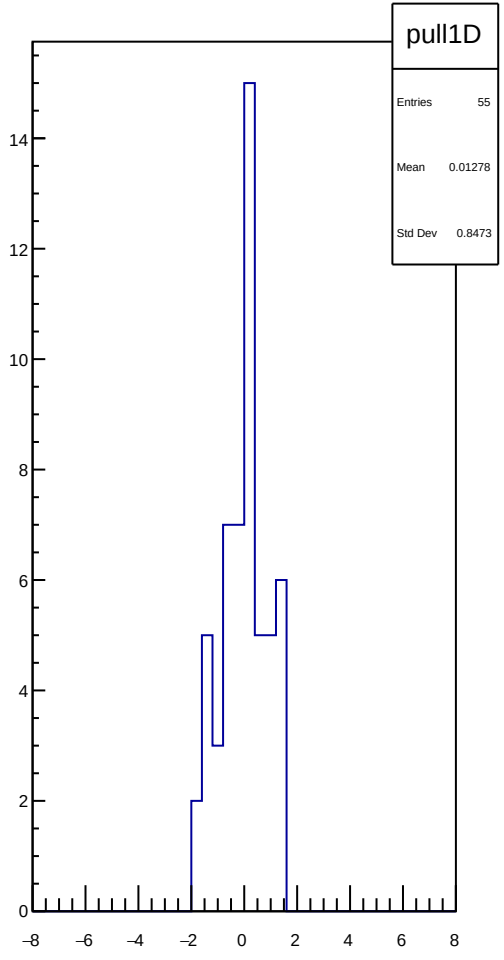
5000
4500
4000
3500


diff_bpm16Y_mean vs run
χ² / ndf 39.49 / 54
p0 −1.834 ± 3.837
100
50
0
−50
−100
−150
−200
pull
Entries 55
Mean −299.2
Std Dev 325.5
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 55
Mean 0.01278
Std Dev 0.8473
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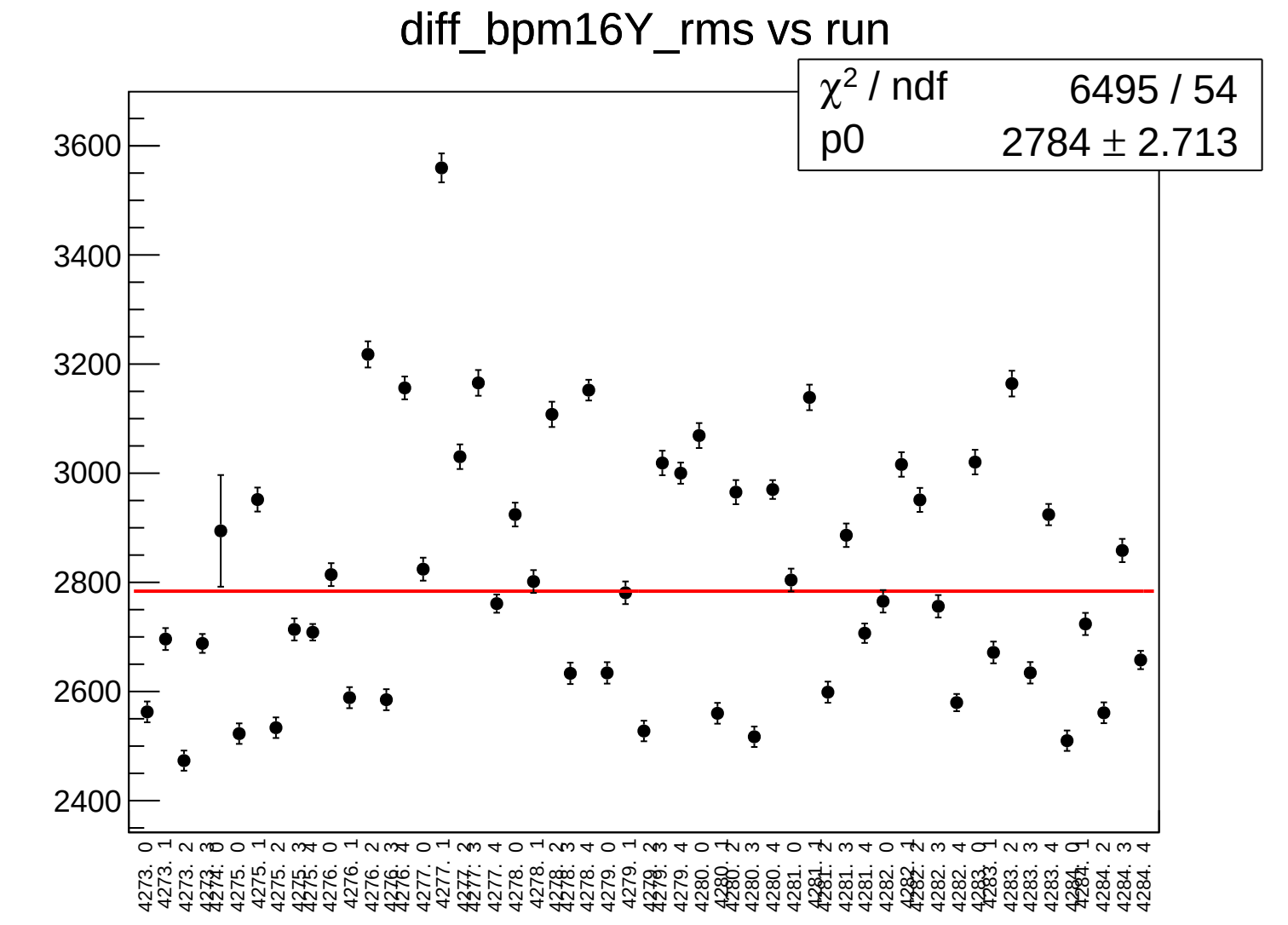
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm16Y_rms vs run
χ² / ndf 6495 / 54
p0 2784 ± 2.713
3600
3400
3200
3000
2800
2600
2400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
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4276. 0
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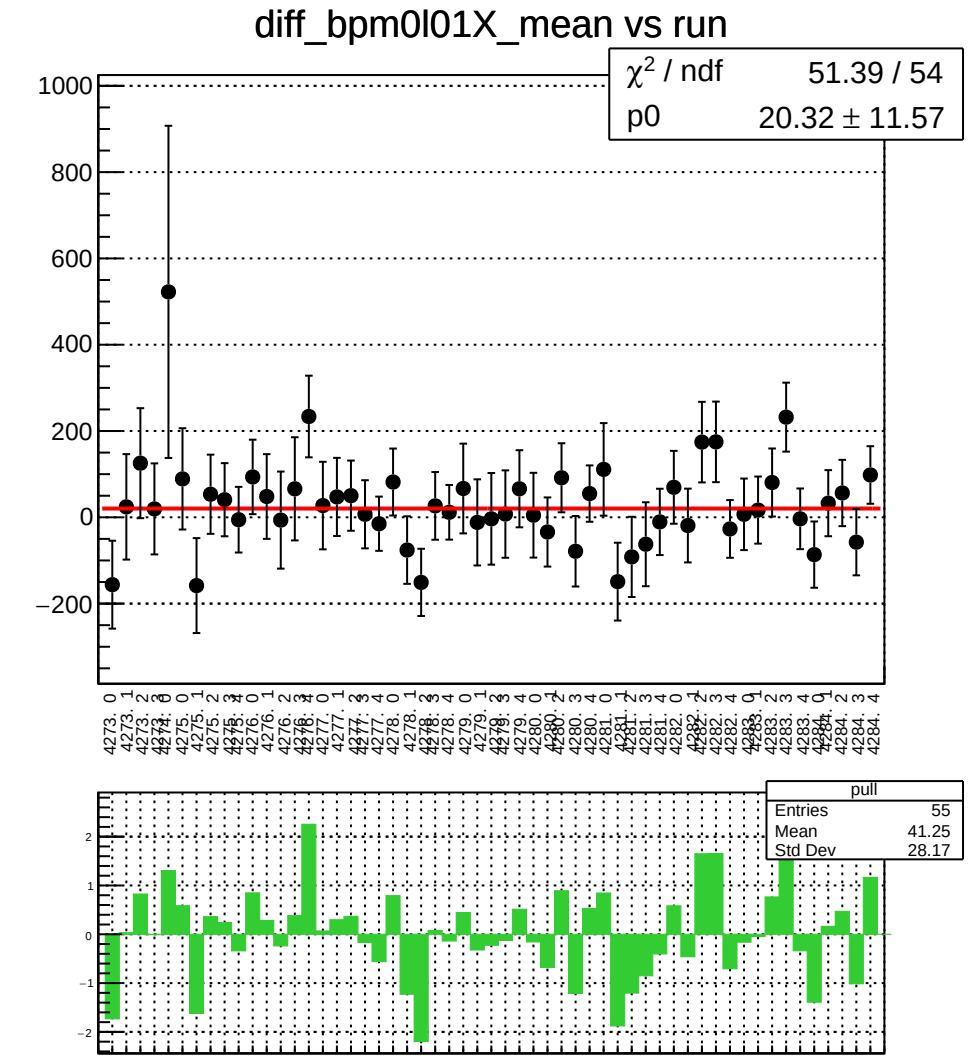
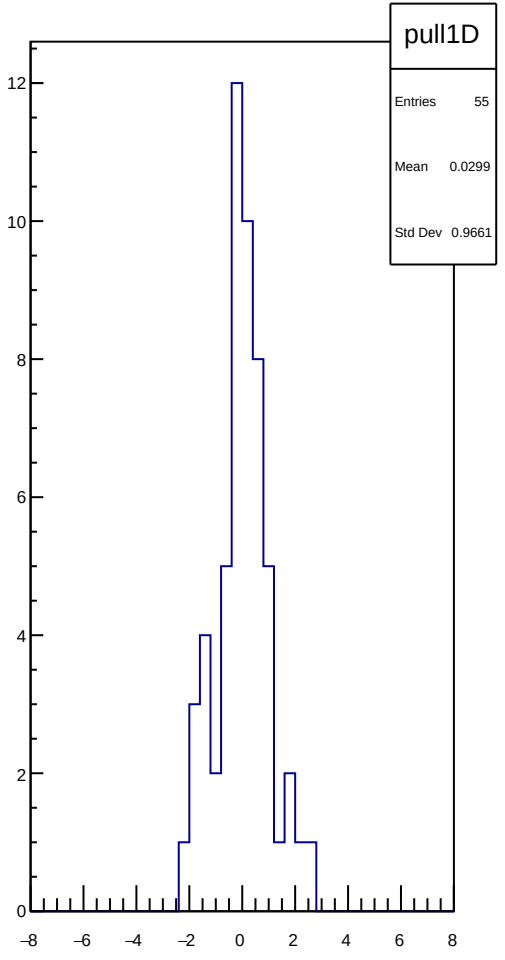
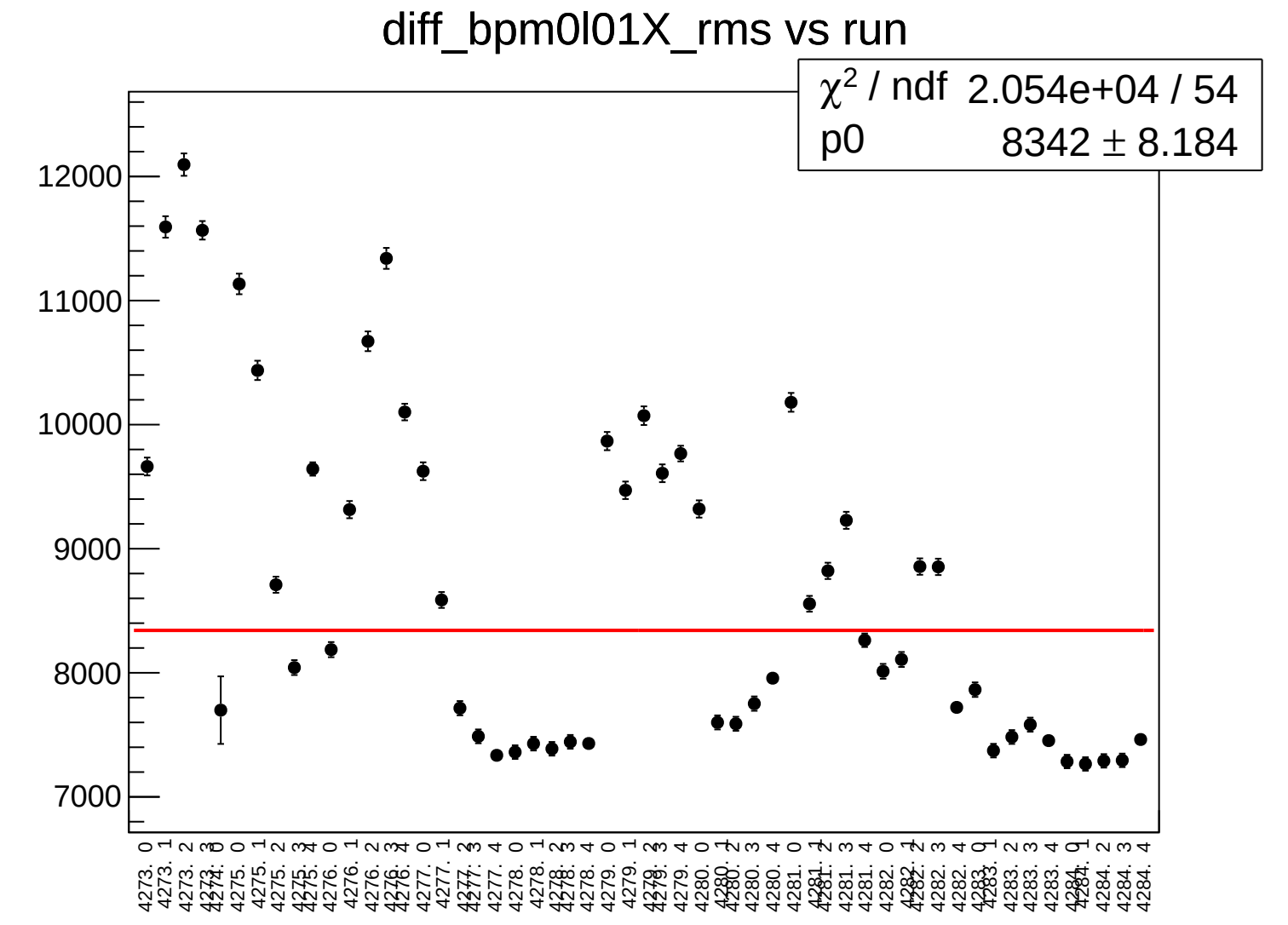
4284. 4


diff_bpm0l01X_mean vs run
χ² / ndf 51.39 / 54
p0 20.32 ± 11.57
pull
Entries 55
Mean 41.25
Std Dev 28.17


pull1D
Entries 55
Mean 0.0299
Std Dev 0.9661


diff_bpm0l01X_rms vs run
χ² / ndf 2.054e+04 / 54
p0 8342 ± 8.184
12000
11000
10000
9000
8000
7000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
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4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
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4277. 1
4277. 2
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4277. 4
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4278. 1
4278. 2
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4279. 0
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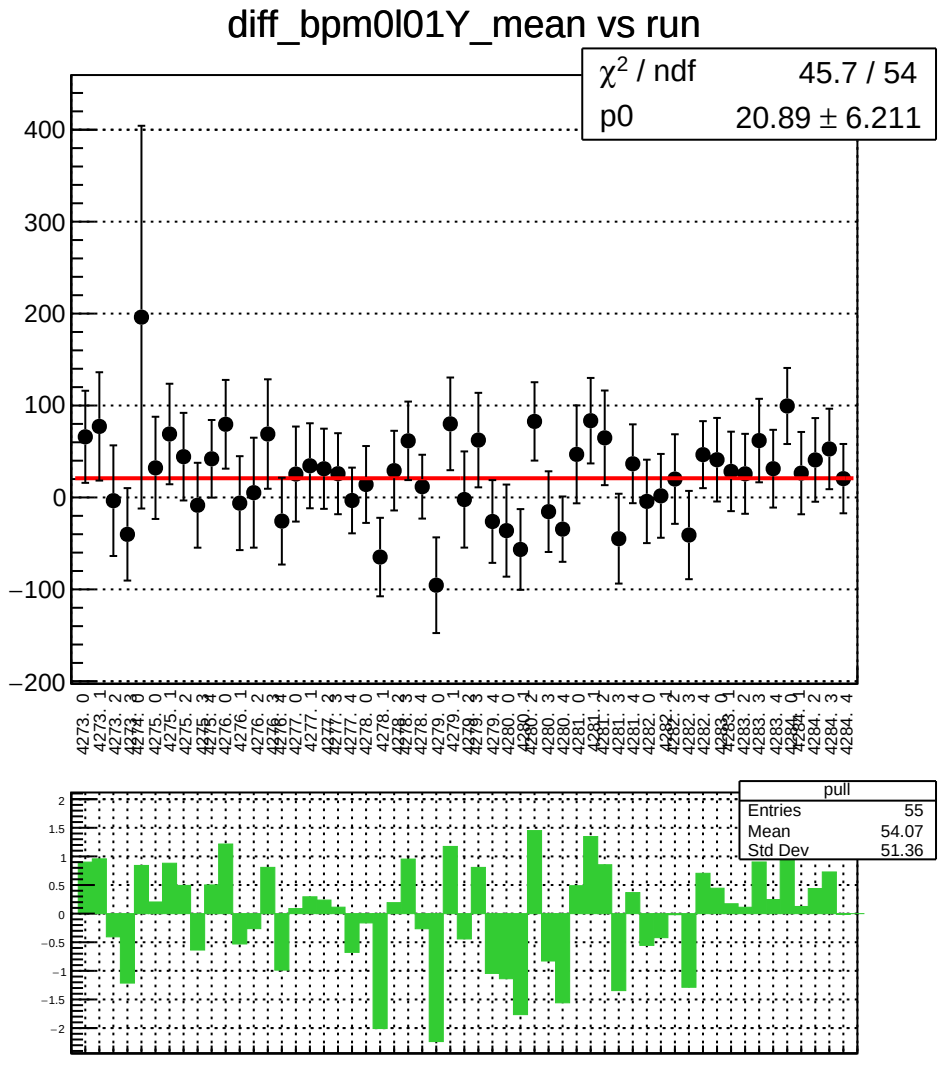
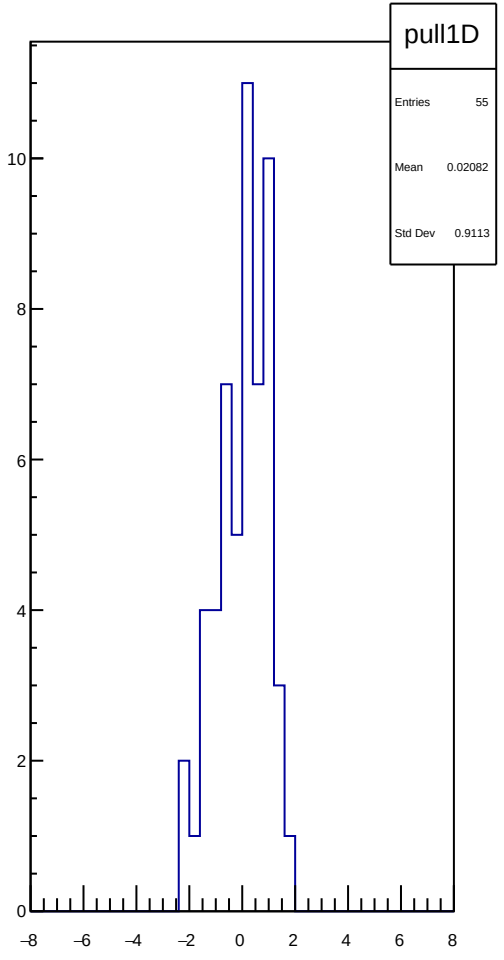
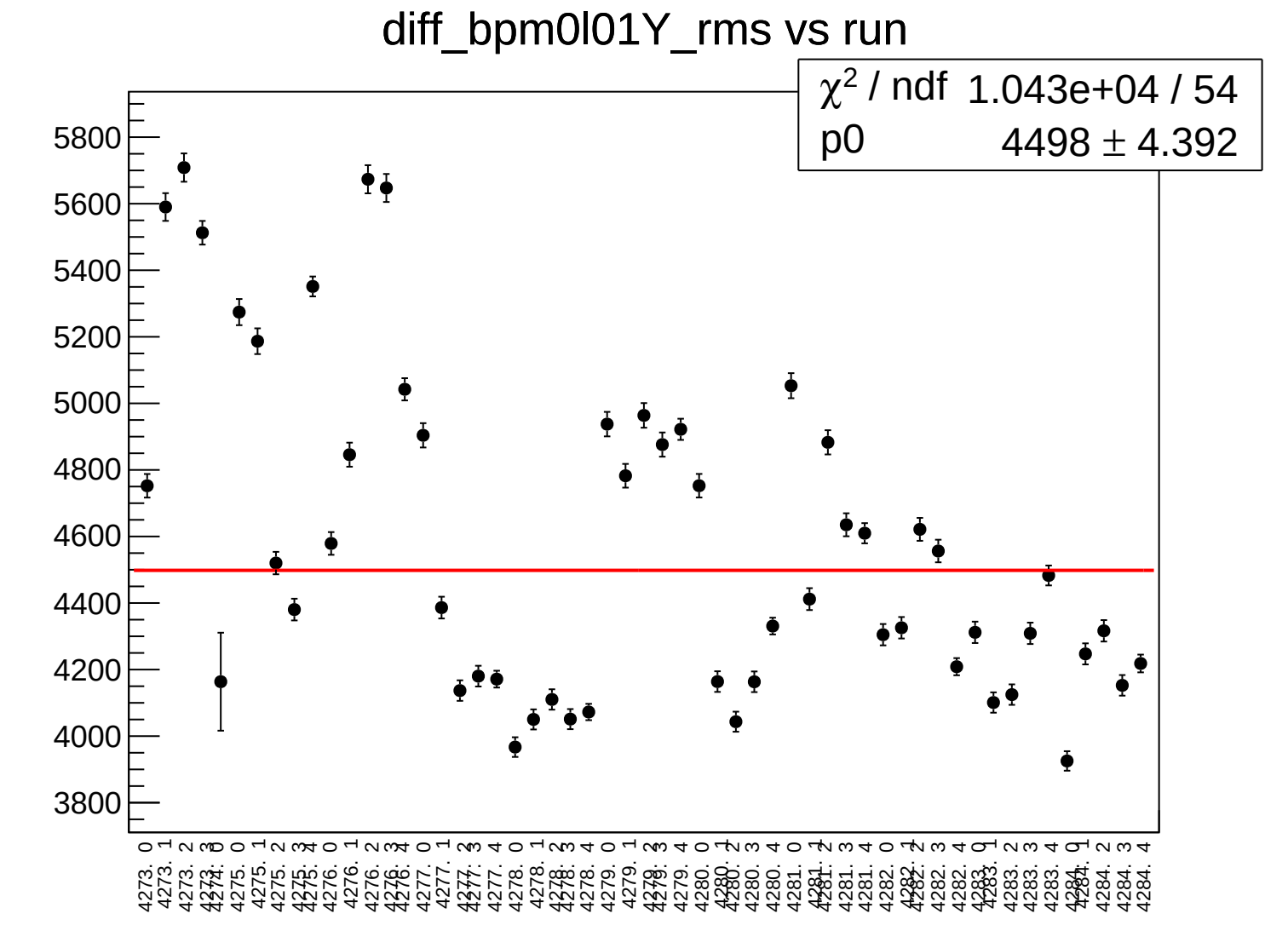
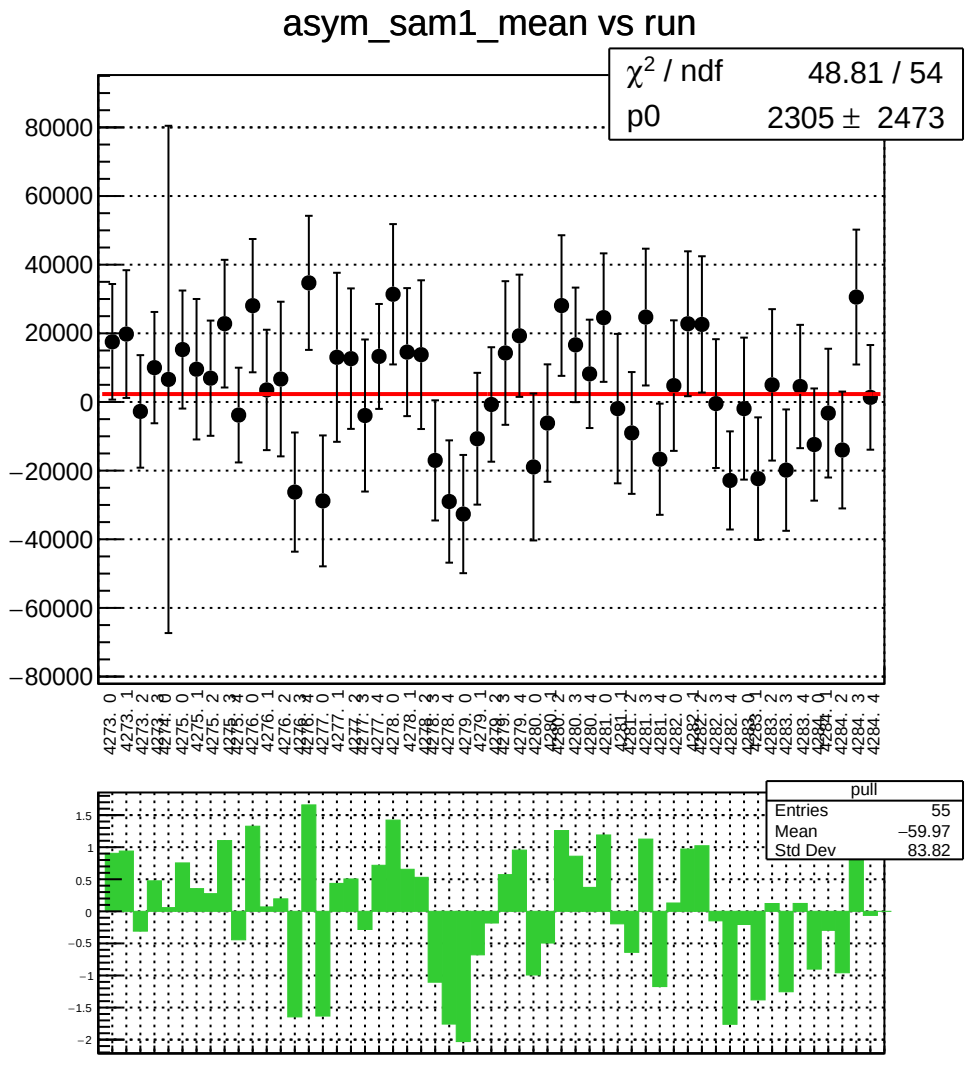
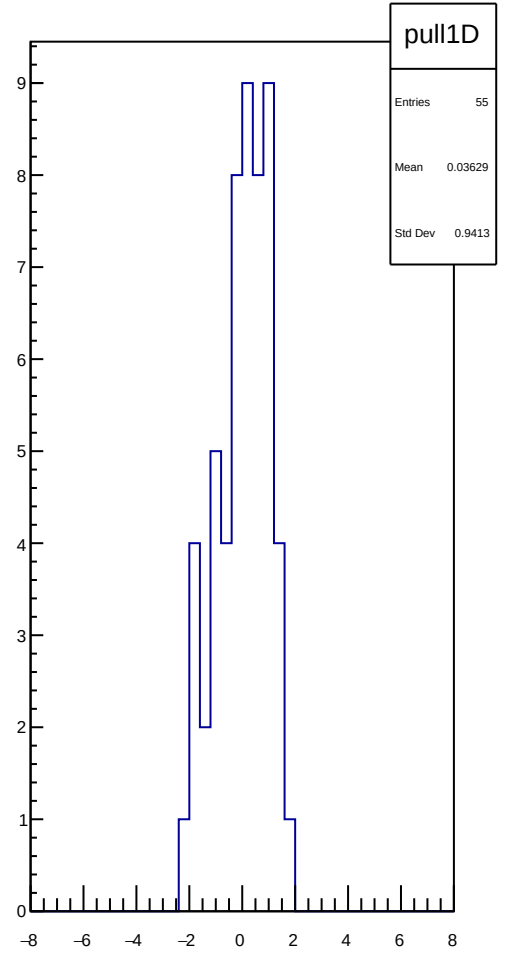
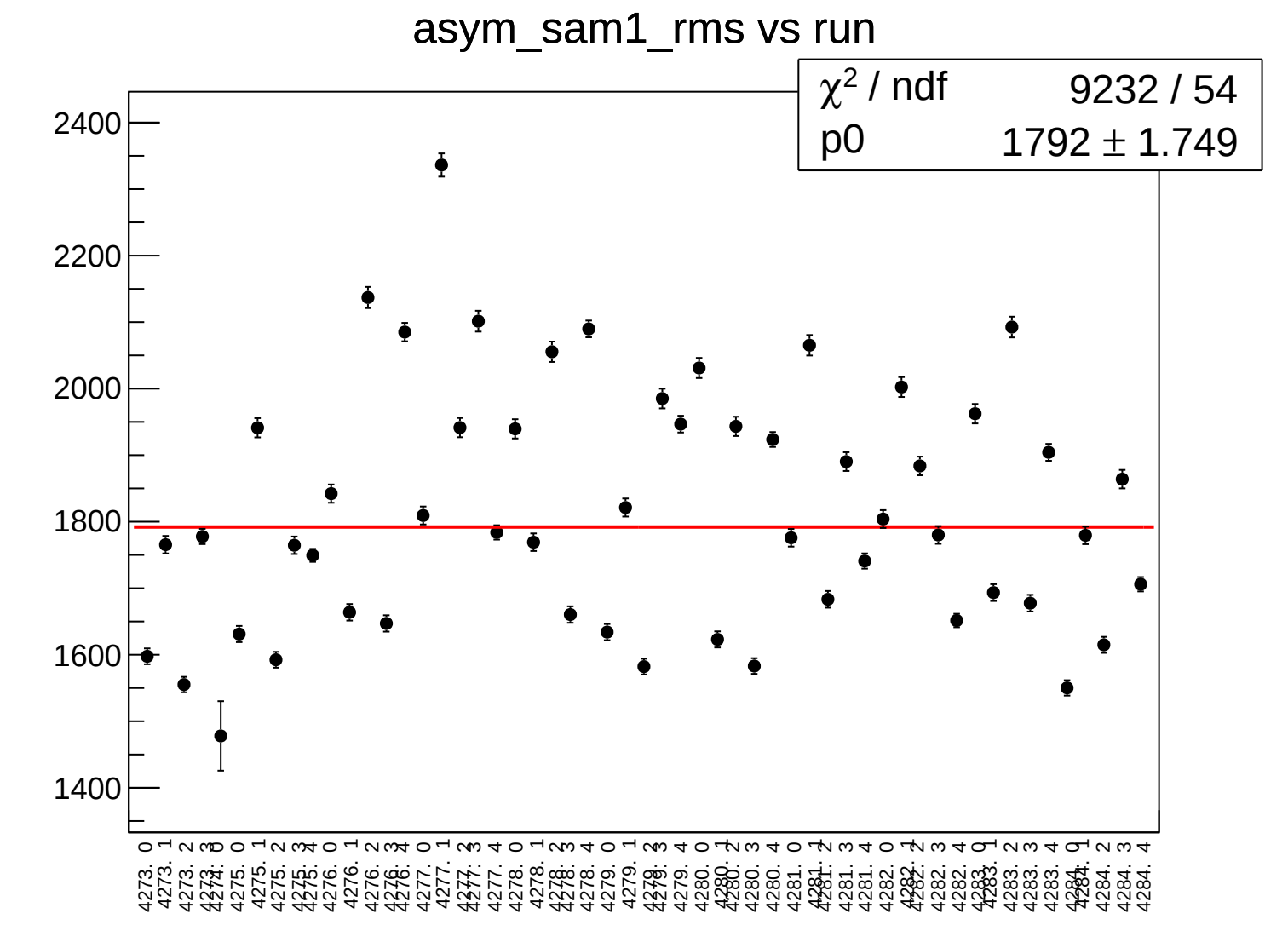

diff_bpm0l01Y_mean vs run
χ² / ndf 45.7 / 54
p0 20.89 ± 6.211
pull
Entries 55
Mean 54.07
Std Dev 51.36


pull1D
Entries 55
Mean 0.02082
Std Dev 0.9113


diff_bpm0l01Y_rms vs run
χ² / ndf 1.043e+04 / 54
p0 4498 ± 4.392
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam1_mean vs run
χ² / ndf 48.81 / 54
p0 2305 ± 2473
pull
Entries 55
Mean −59.97
Std Dev 83.82


pull1D
Entries 55
Mean 0.03629
Std Dev 0.9413


asym_sam1_rms vs run
χ² / ndf 9232 / 54
p0 1792 ± 1.749
2400
2200
2000
1800
1600
1400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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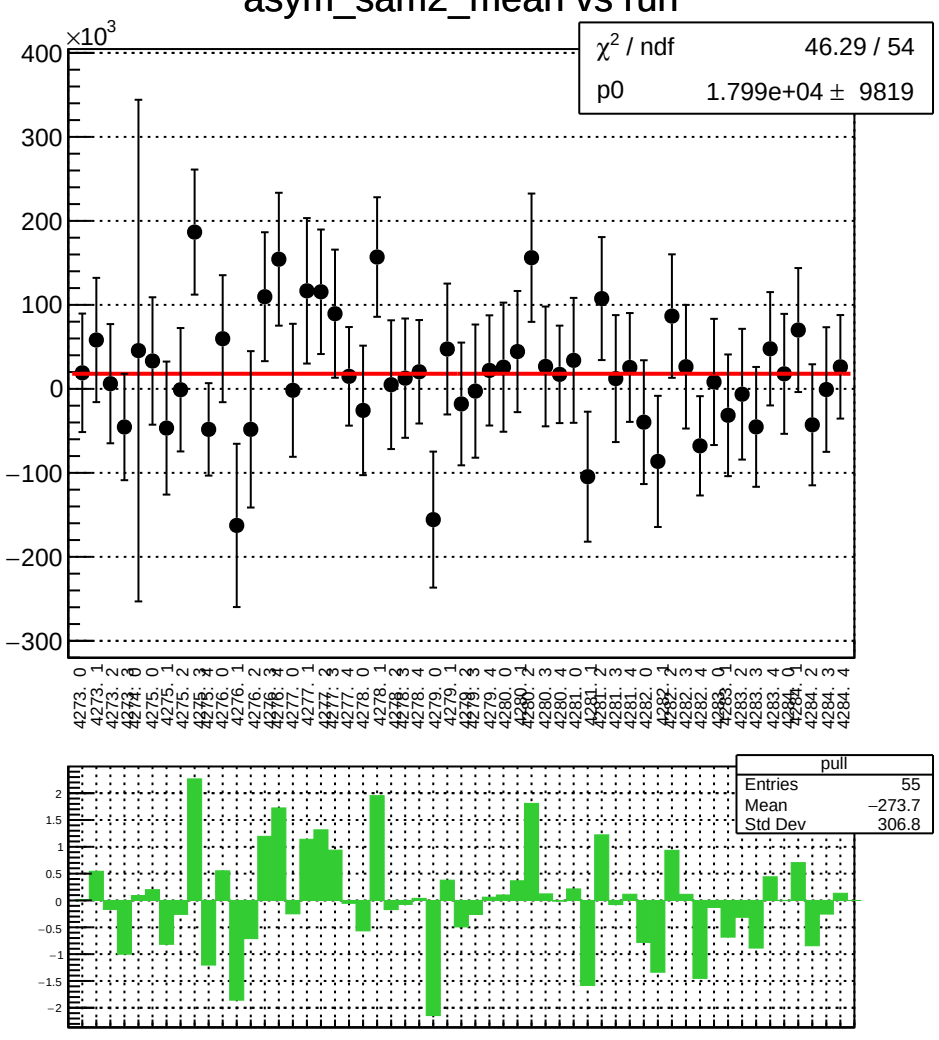
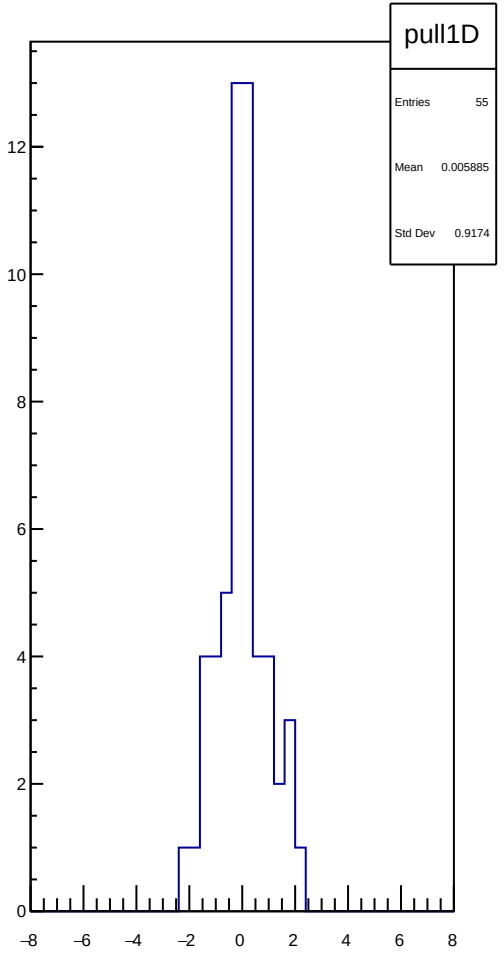
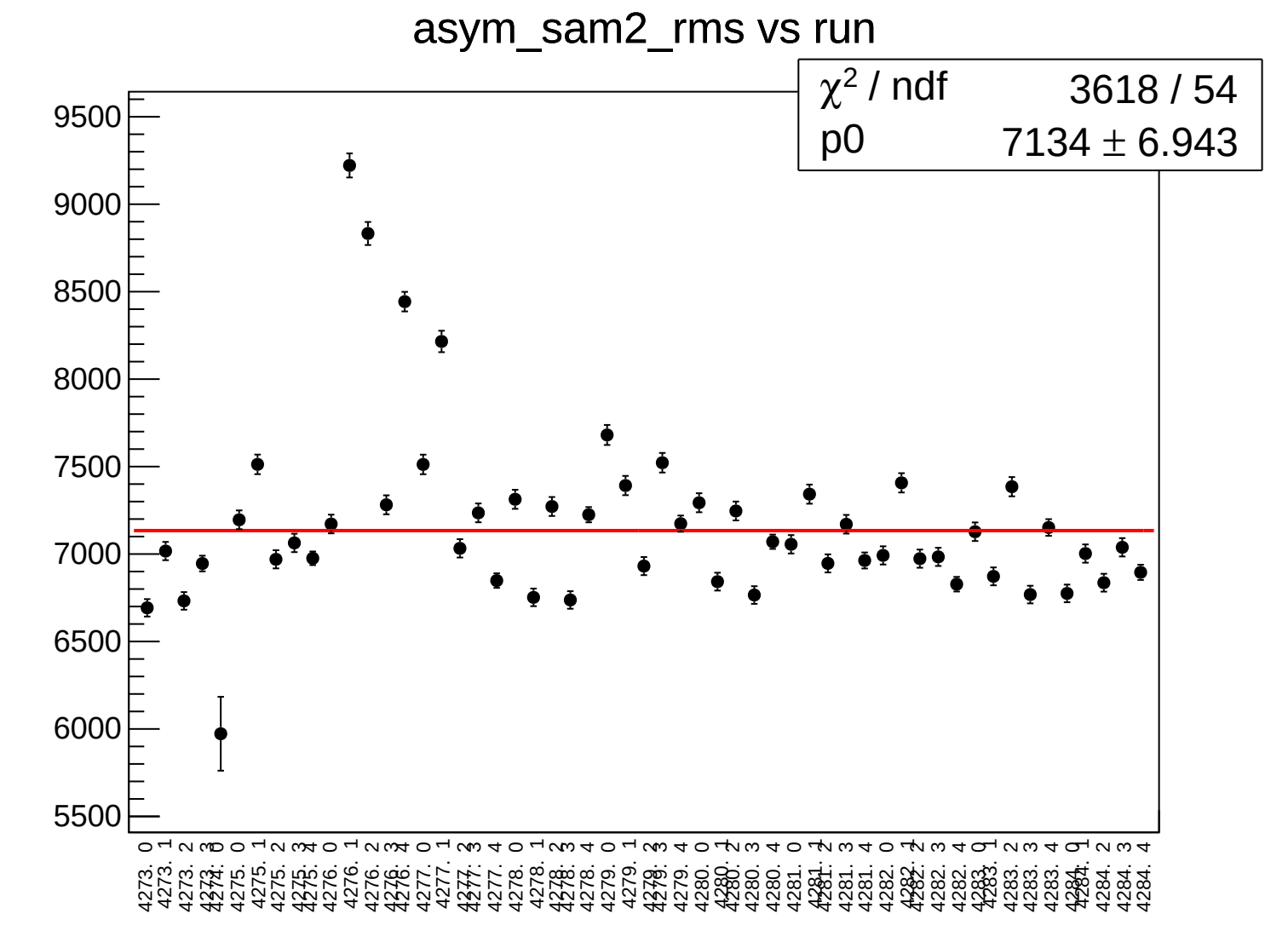
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam2_mean vs run
×10^3
χ² / ndf 46.29 / 54
p0 1.799e+04 ± 9819
pull
Entries 55
Mean −273.7
Std Dev 306.8


pull1D
Entries 55
Mean 0.005885
Std Dev 0.9174


asym_sam2_rms vs run
χ² / ndf 3618 / 54
p0 7134 ± 6.943
9500
9000
8500
8000
7500
7000
6500
6000
5500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4276. 4
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4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 2
4280. 3
4280. 4
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4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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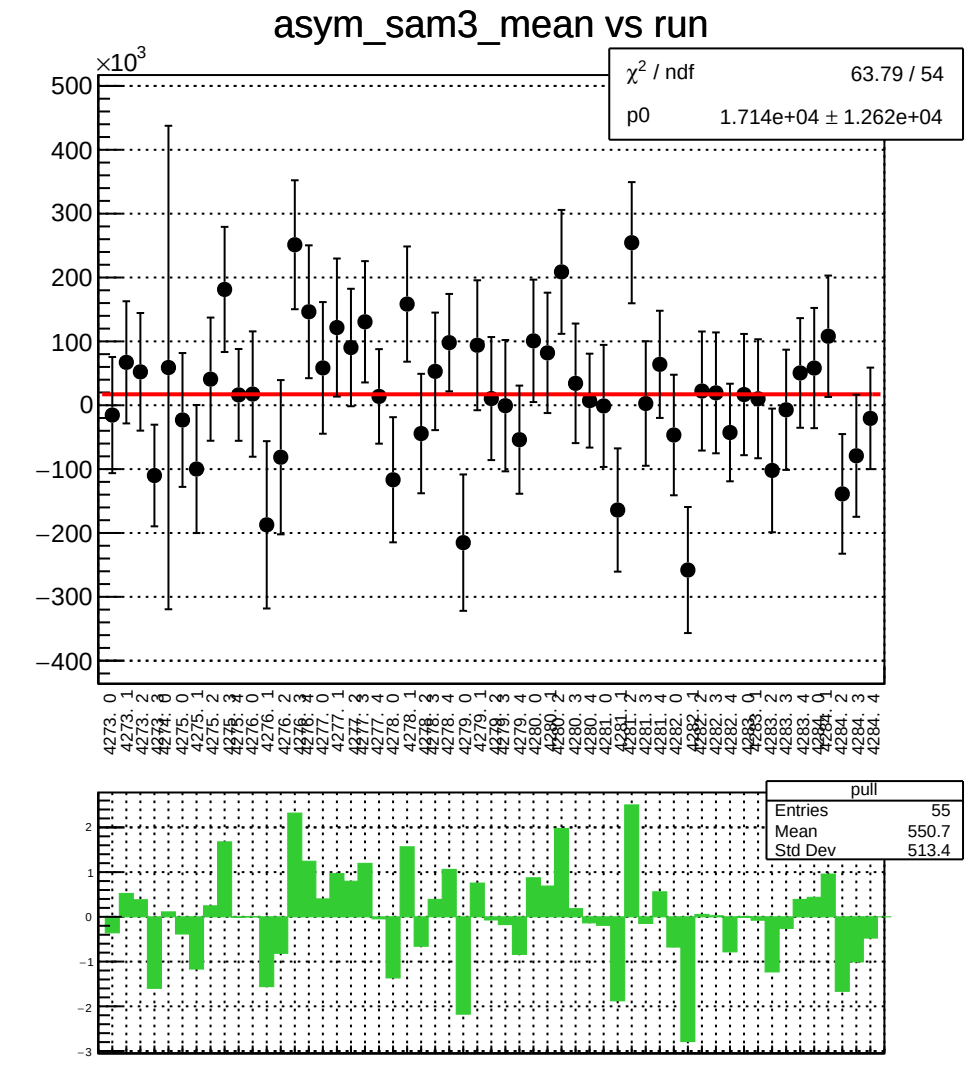
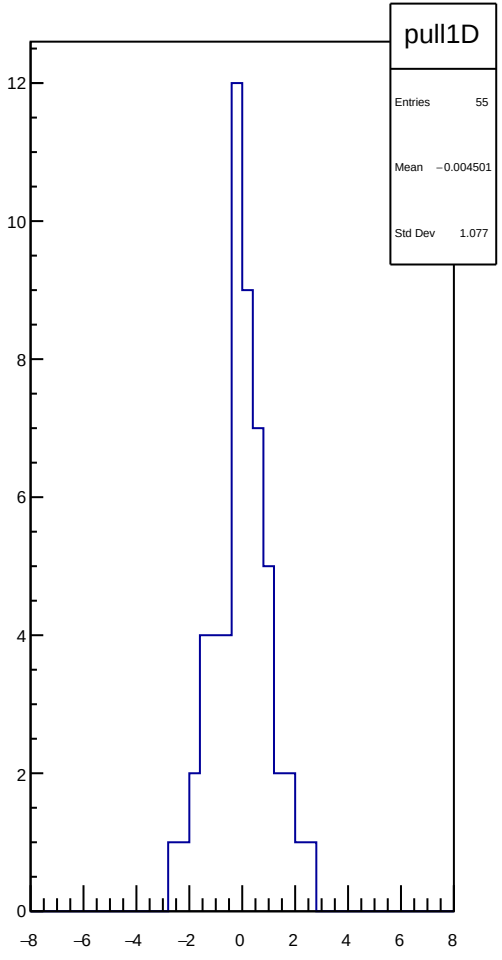
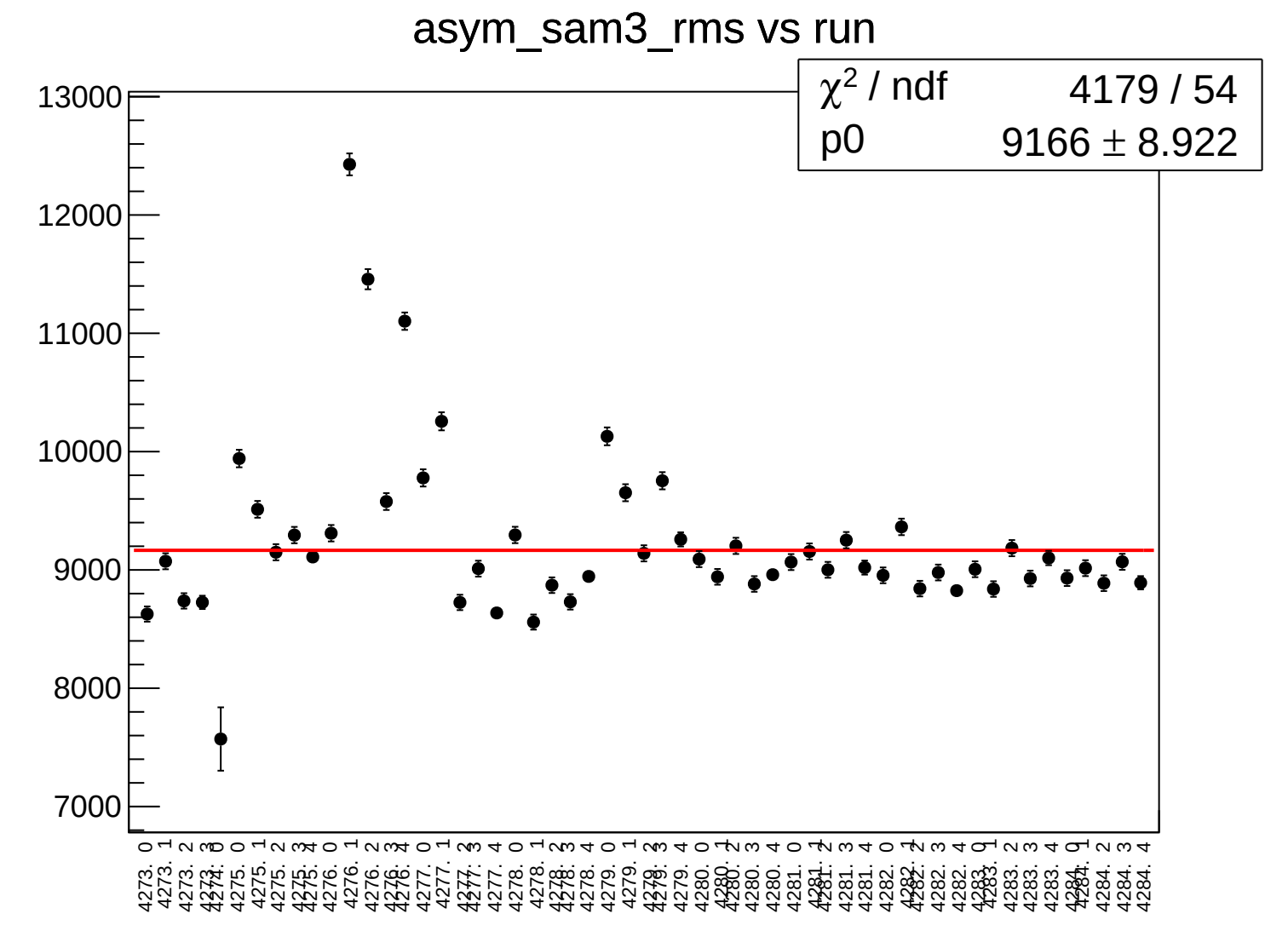
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam3_mean vs run
×10^3
χ² / ndf 63.79 / 54
p0 1.714e+04 ± 1.262e+04
pull
Entries 55
Mean 550.7
Std Dev 513.4


pull1D
Entries 55
Mean −0.004501
Std Dev 1.077


asym_sam3_rms vs run
χ² / ndf 4179 / 54
p0 9166 ± 8.922
13000
12000
11000
10000
9000
8000
7000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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4283. 2
4283. 3
4283. 4
4284. 0
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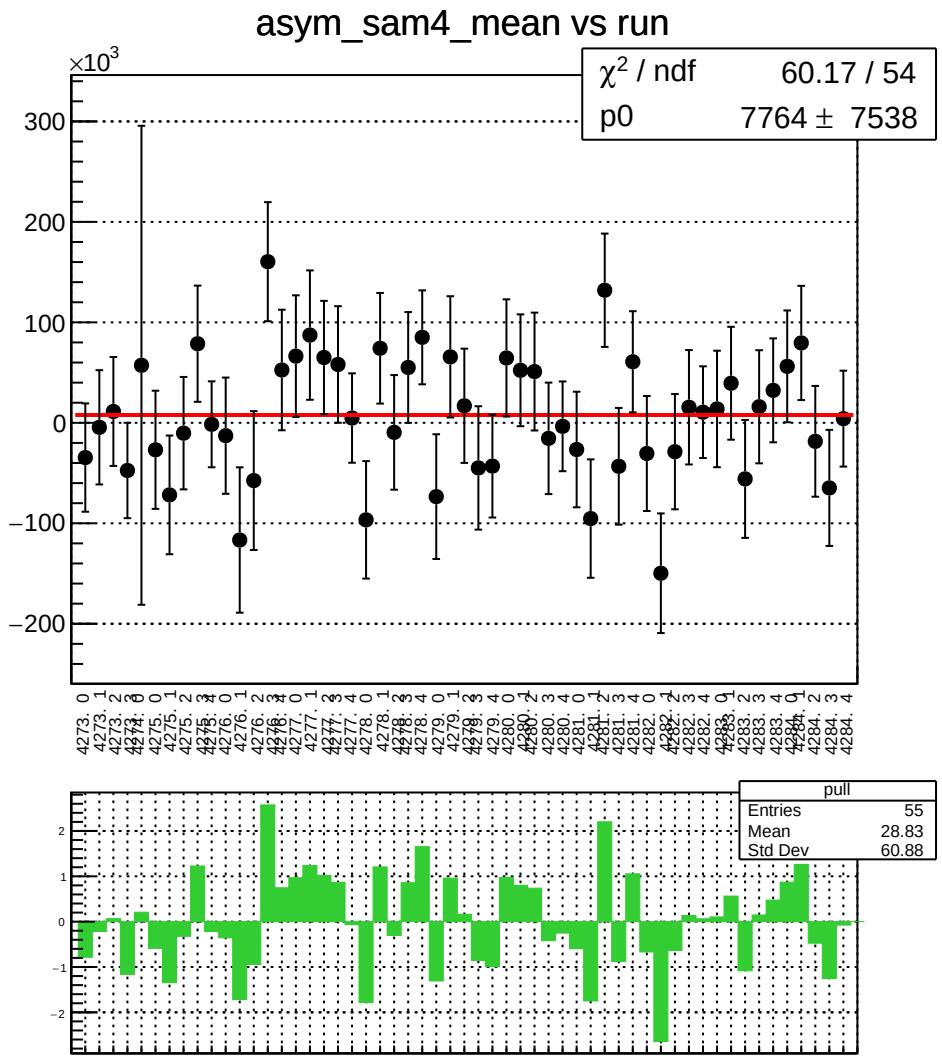
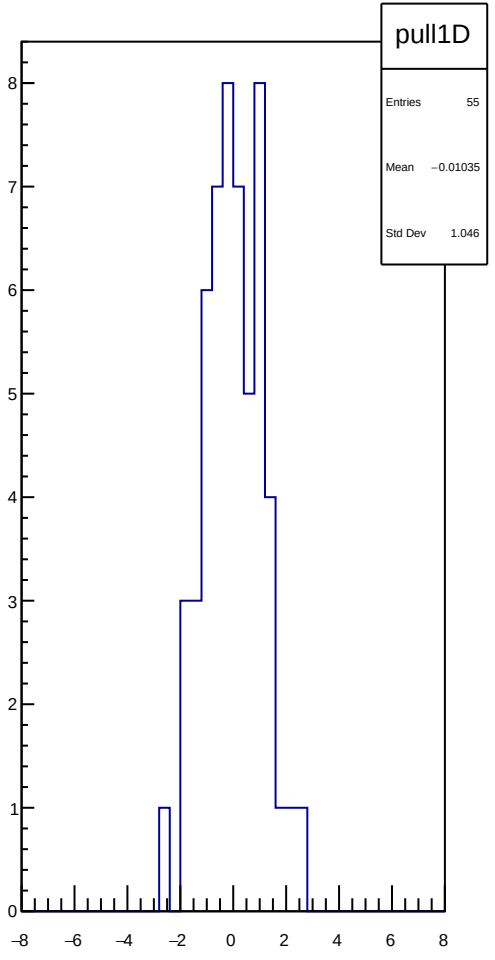
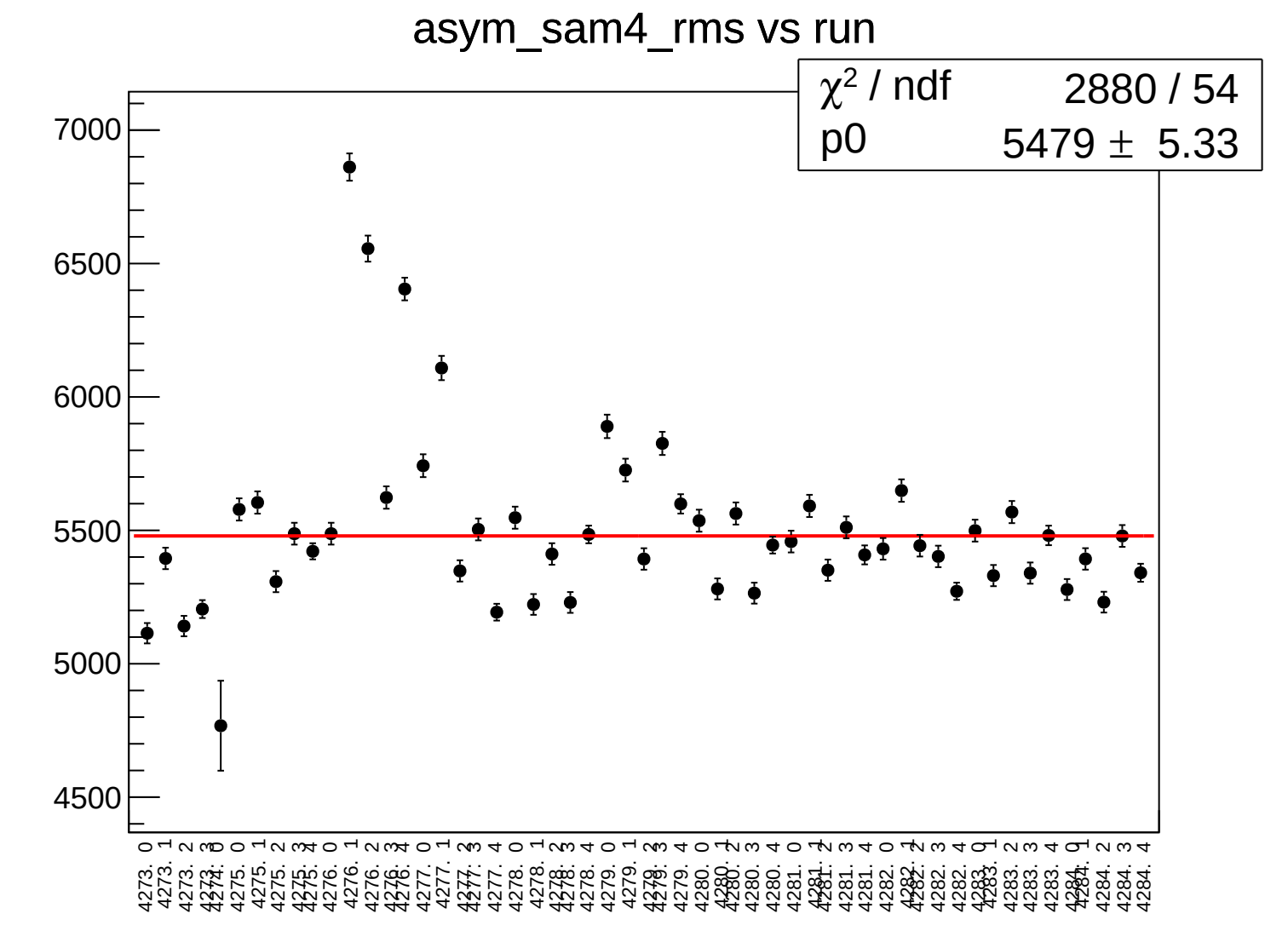
4284. 2
4284. 3
4284. 4


asym_sam4_mean vs run
×10^3
χ² / ndf 60.17 / 54
p0 7764 ± 7538
pull
Entries 55
Mean 28.83
Std Dev 60.88


pull1D
Entries 55
Mean −0.01035
Std Dev 1.046


asym_sam4_rms vs run
χ² / ndf 2880 / 54
p0 5479 ± 5.33
7000
6500
6000
5500
5000
4500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 1
4281. 2
4281. 3
4281. 4
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4282. 2
4282. 3
4282. 4
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4283. 3
4283. 4
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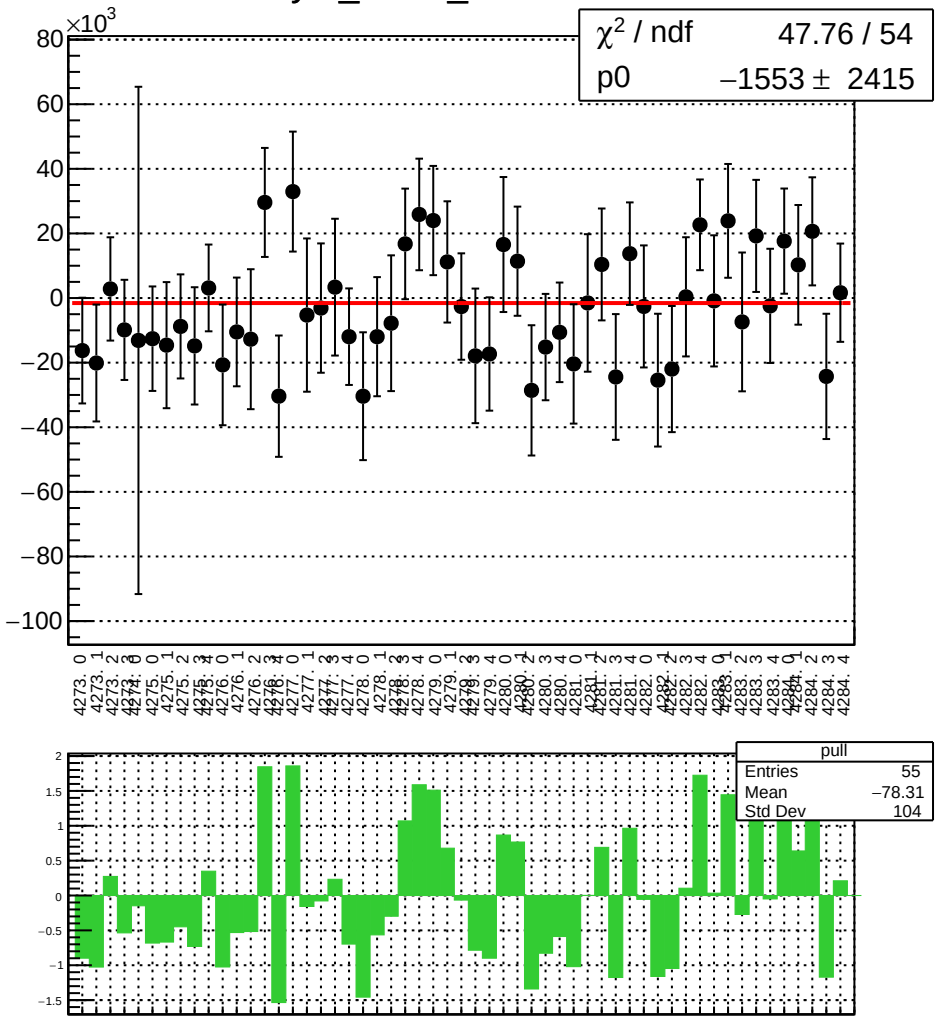
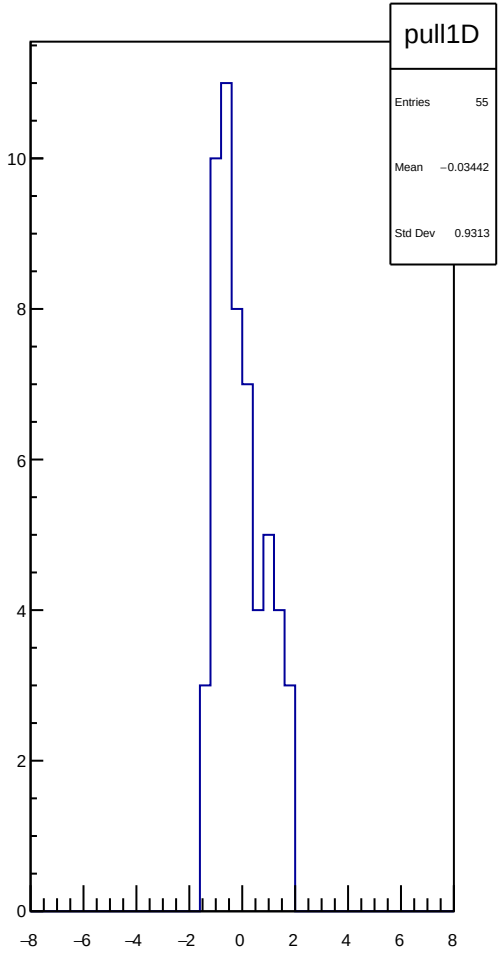
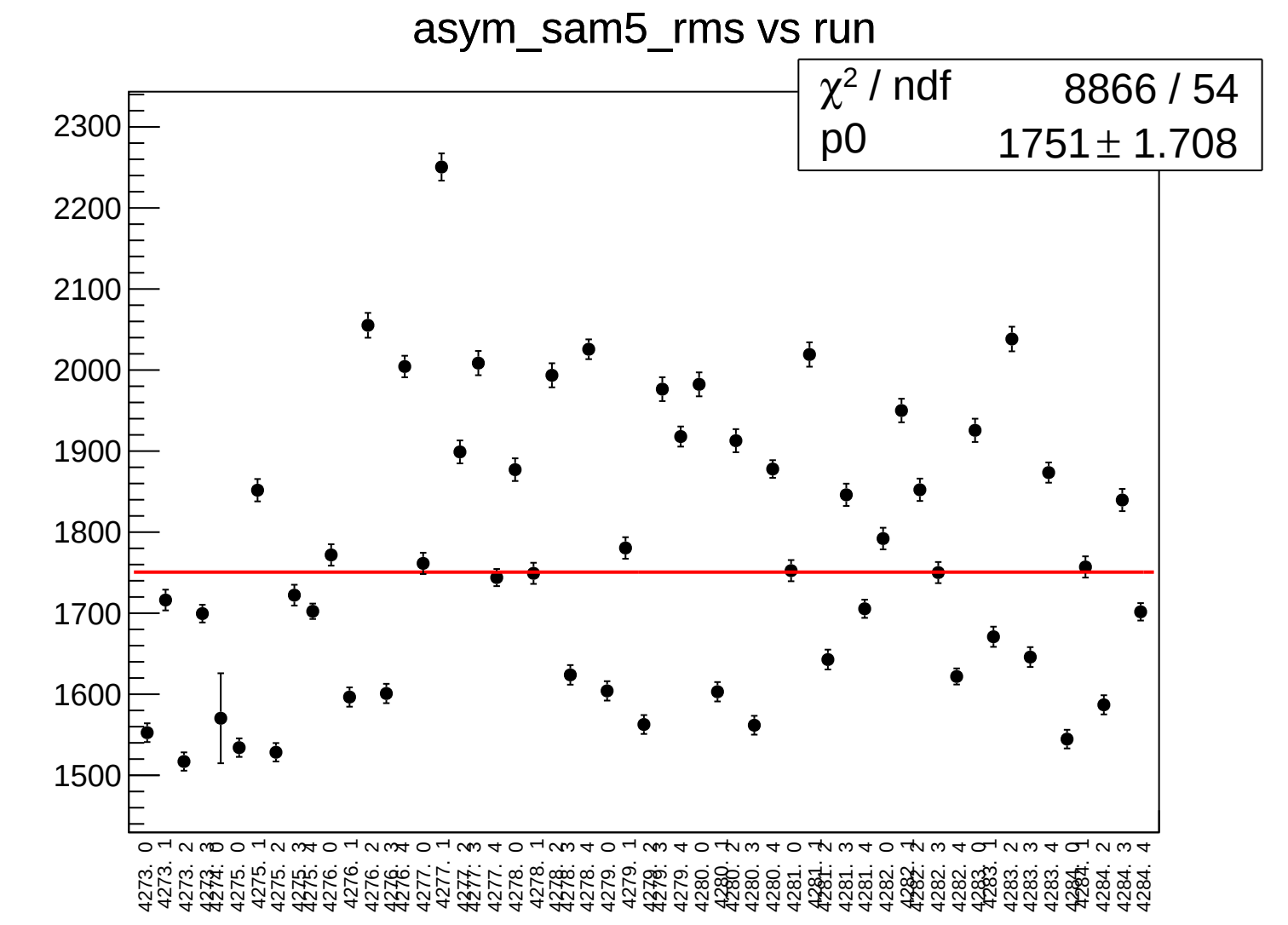
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam5_mean vs run
×10^3
χ² / ndf 47.76 / 54
p0 −1553 ± 2415
pull
Entries 55
Mean −78.31
Std Dev 104


pull1D
Entries 55
Mean −0.03442
Std Dev 0.9313


asym_sam5_rms vs run
χ² / ndf 8866 / 54
p0 1751 ± 1.708
2300
2200
2100
2000
1900
1800
1700
1600
1500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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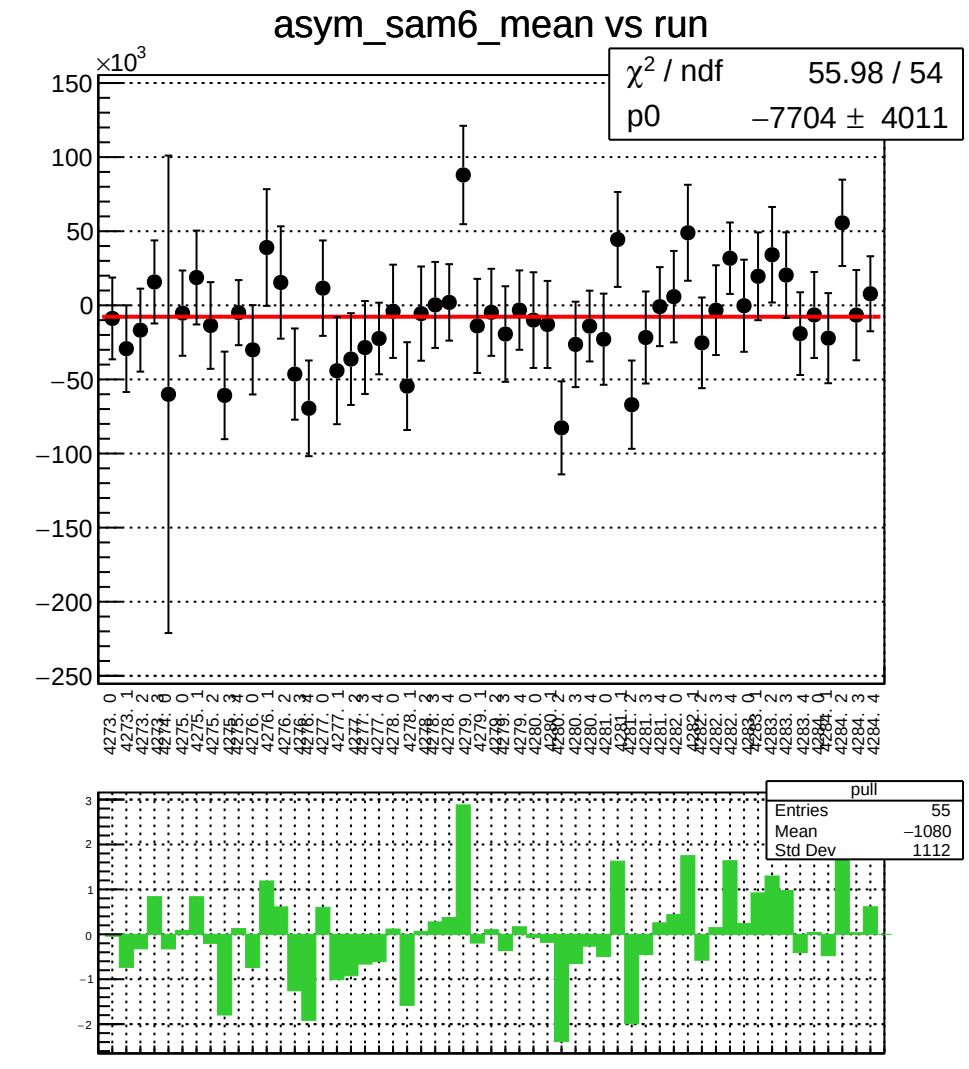
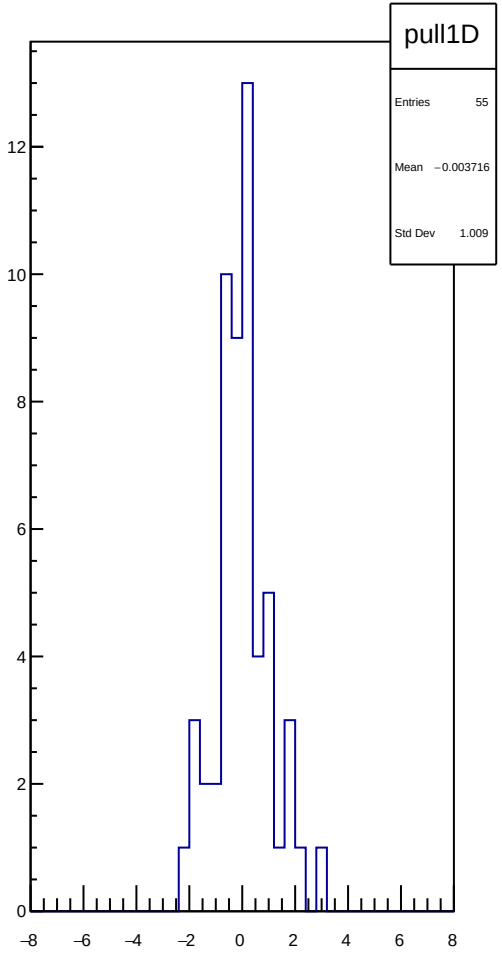
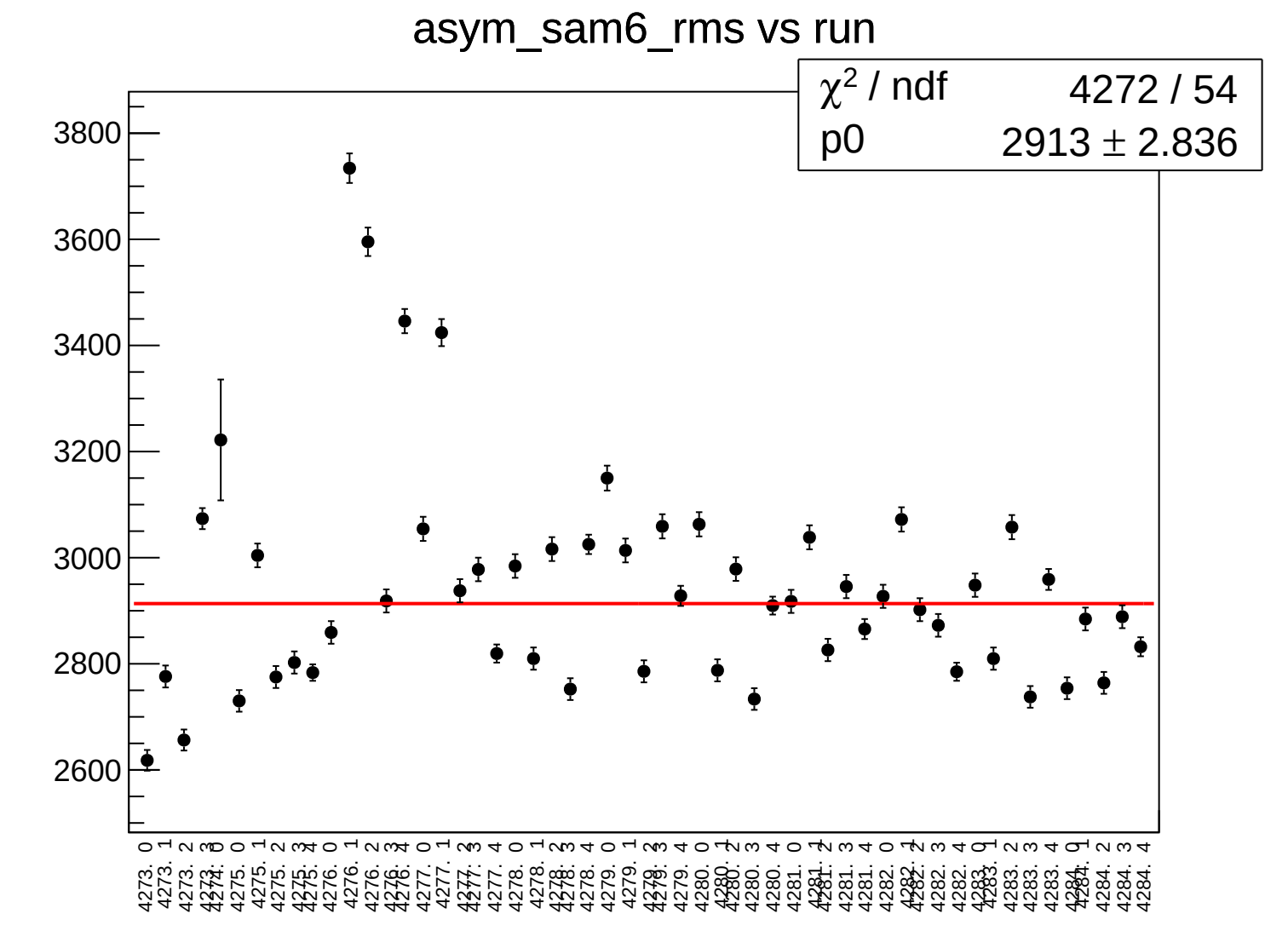
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam6_mean vs run
×10^3
χ² / ndf 55.98 / 54
p0 −7704 ± 4011
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 55
Mean −1080
Std Dev 1112
3
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.003716
Std Dev 1.009
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_rms vs run
χ² / ndf 4272 / 54
p0 2913 ± 2.836
3800
3600
3400
3200
3000
2800
2600
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 1
4280. 2
4280. 3
4280. 4
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4281. 1
4281. 2
4281. 3
4281. 4
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
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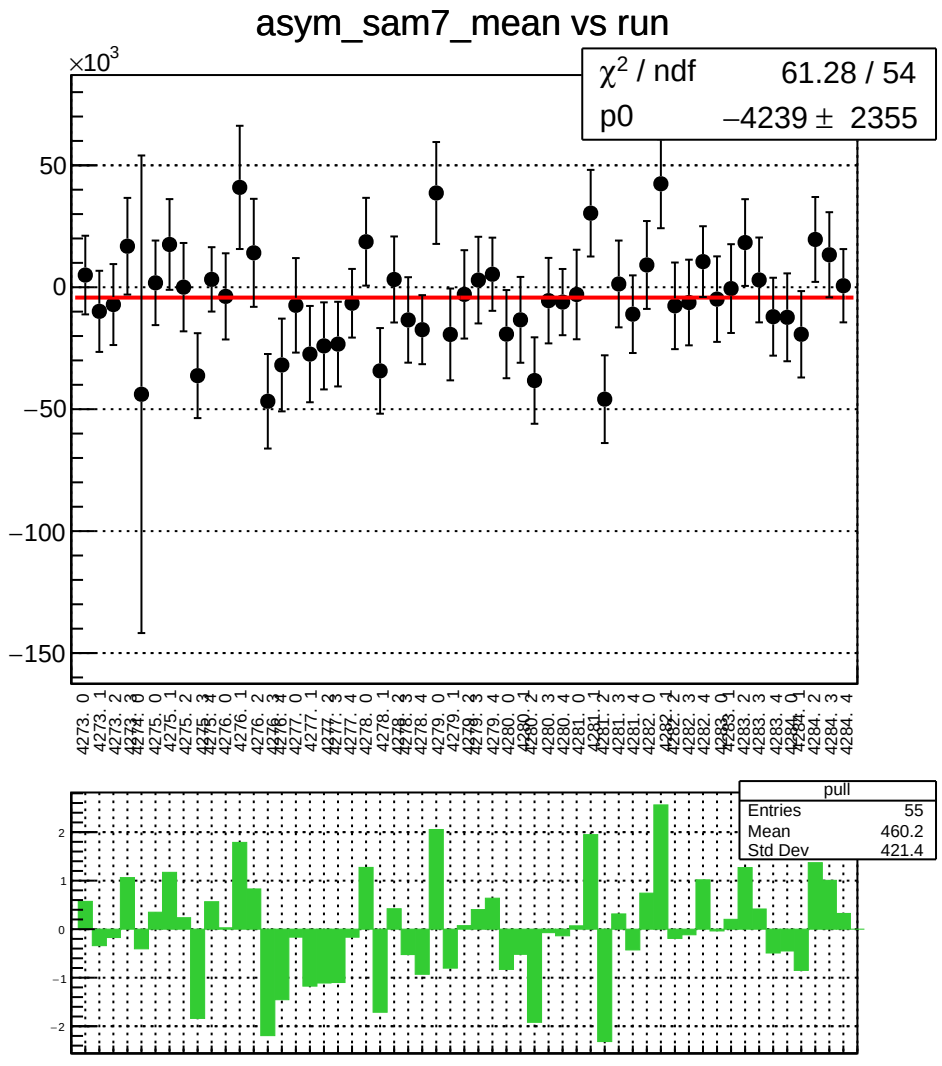
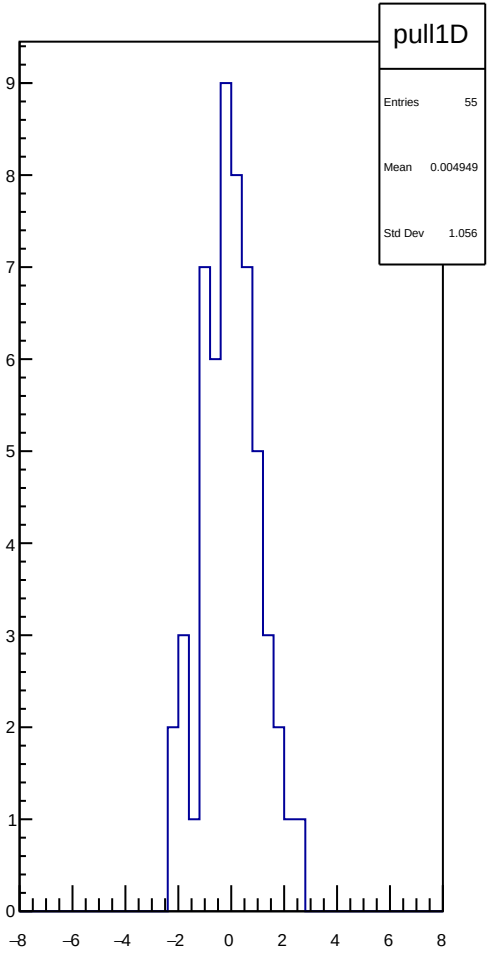
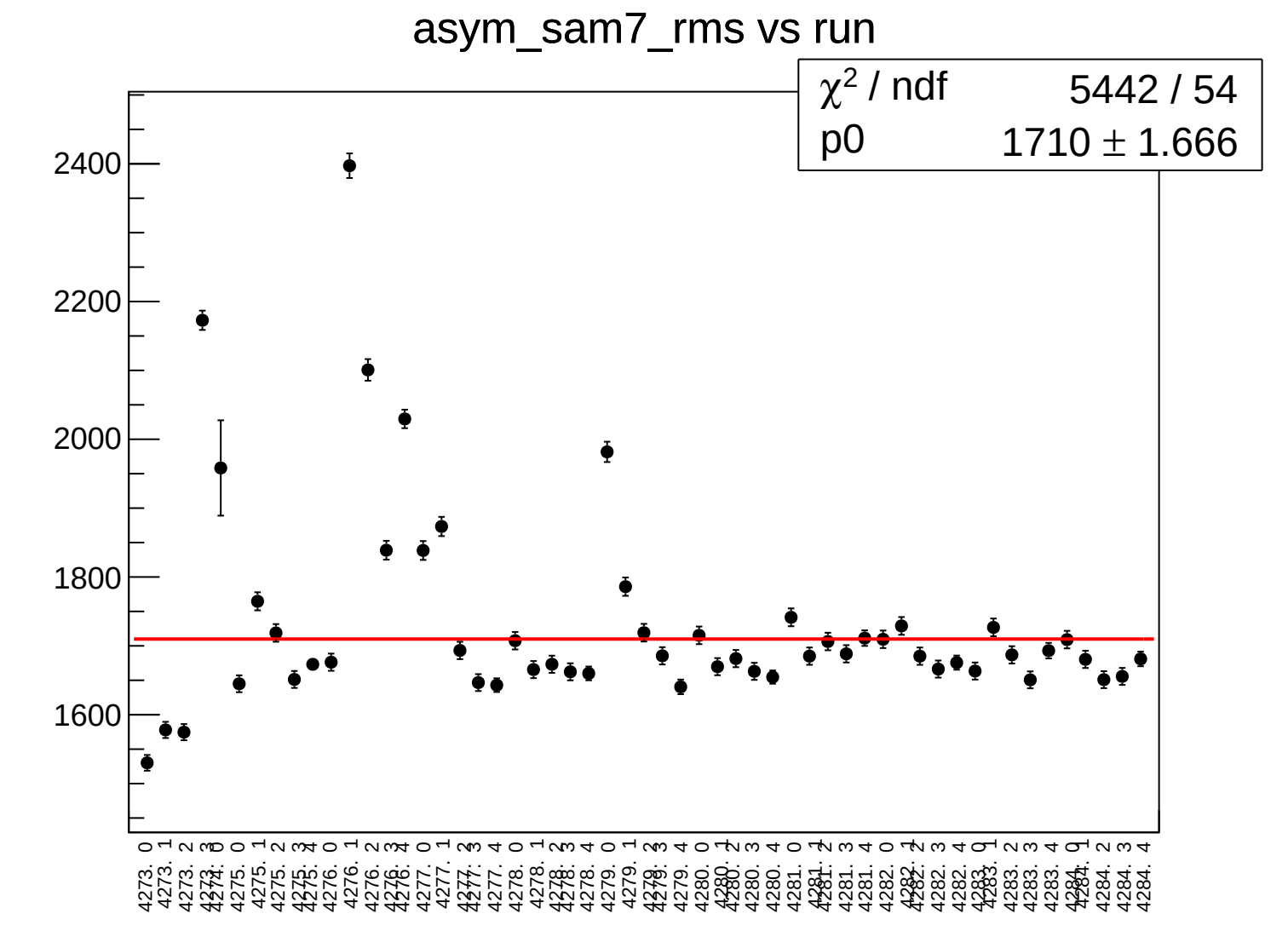
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam7_mean vs run
×10^3
χ² / ndf 61.28 / 54
p0 −4239 ± 2355
50
0
−50
−100
−150
pull
Entries 55
Mean 460.2
Std Dev 421.4
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.004949
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_rms vs run
χ² / ndf 5442 / 54
p0 1710 ± 1.666
2400
2200
2000
1800
1600
4273. 0
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4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
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4276. 1
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4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
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4280. 2
4280. 3
4280. 4
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4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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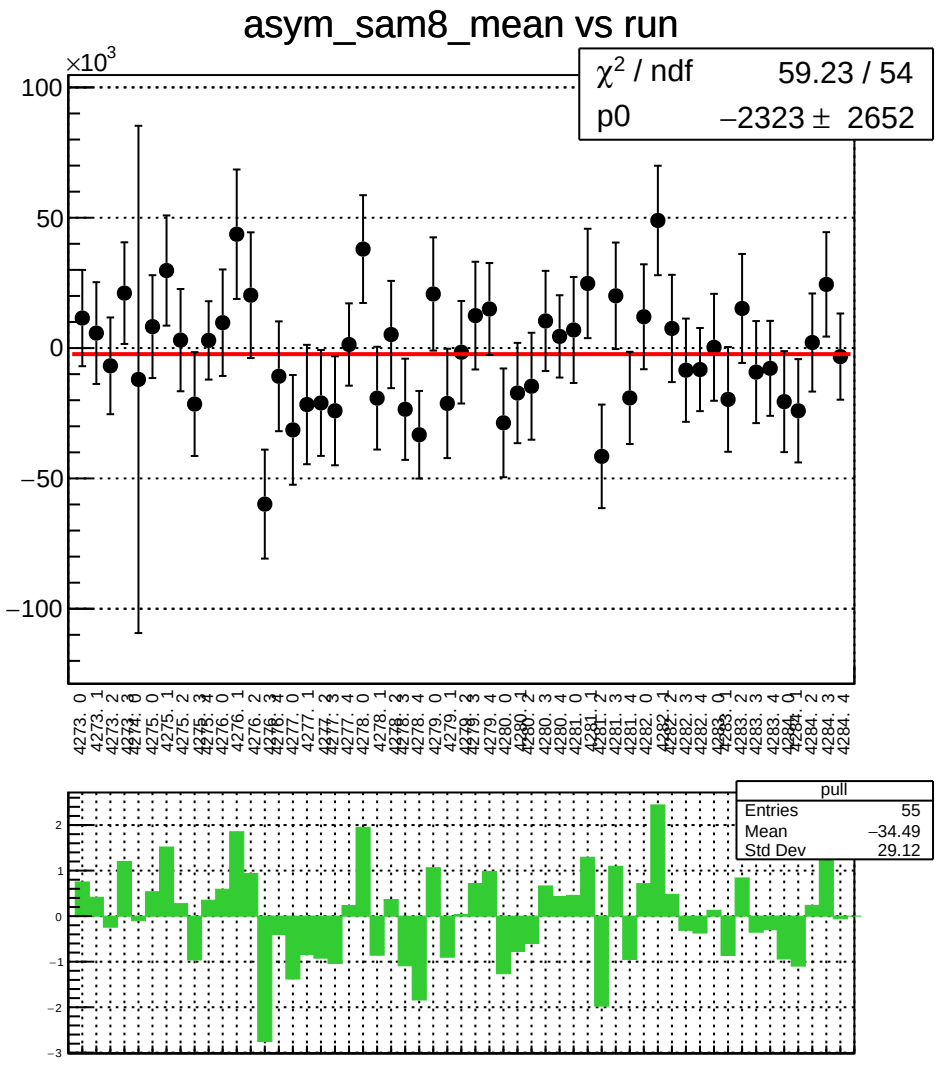
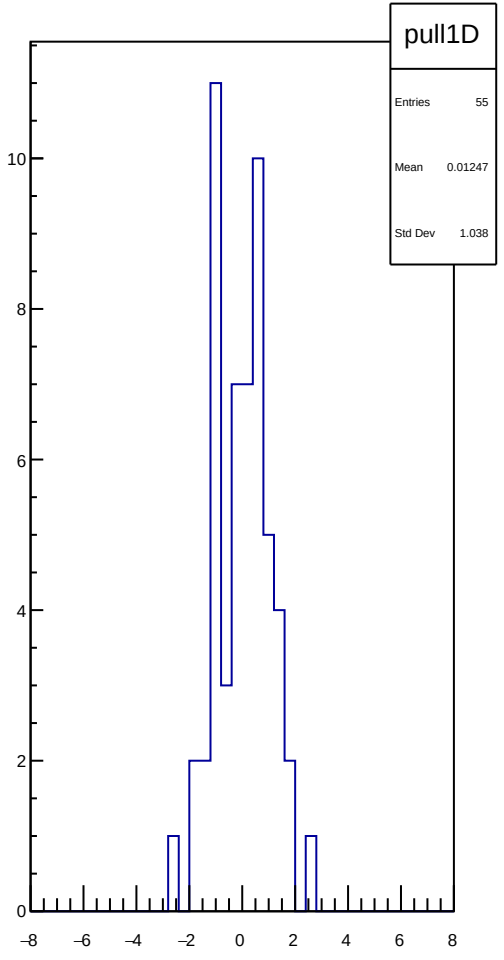
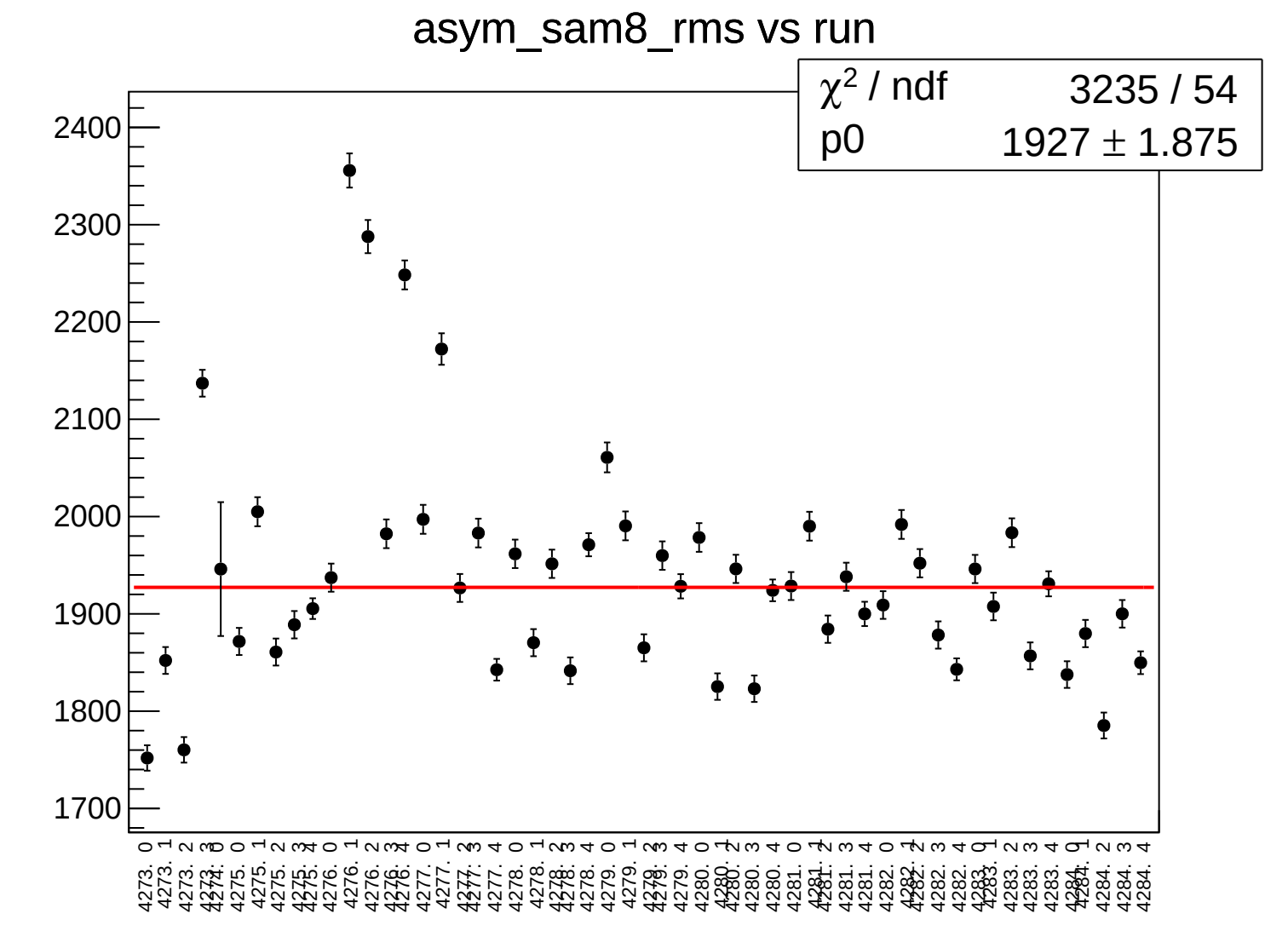
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam8_mean vs run
×10^3
χ² / ndf 59.23 / 54
p0 −2323 ± 2652
100
50
0
−50
−100
pull
Entries 55
Mean −34.49
Std Dev 29.12
2
1
0
−1
−2
−3


pull1D
Entries 55
Mean 0.01247
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_rms vs run
χ² / ndf 3235 / 54
p0 1927 ± 1.875
2400
2300
2200
2100
2000
1900
1800
1700
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
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4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
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4277. 1
4277. 2
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4278. 0
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4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 2
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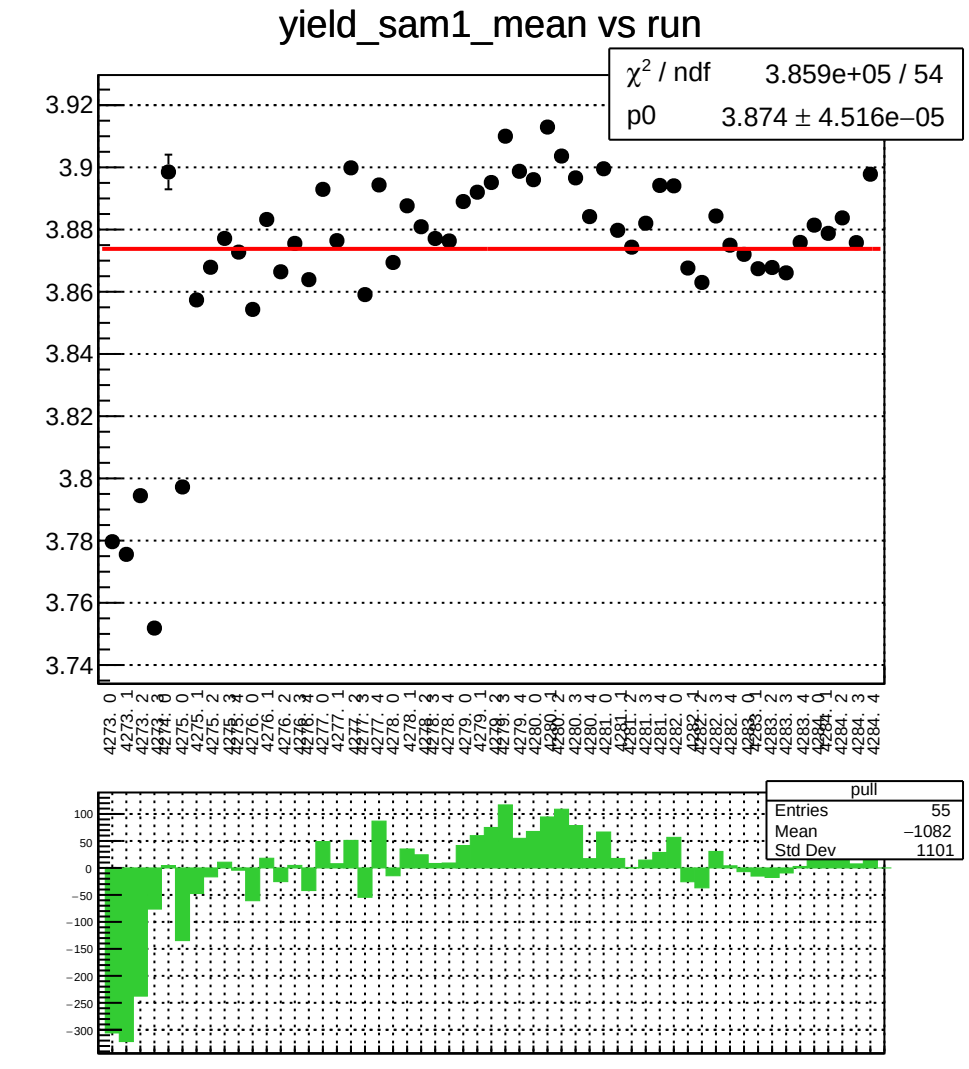
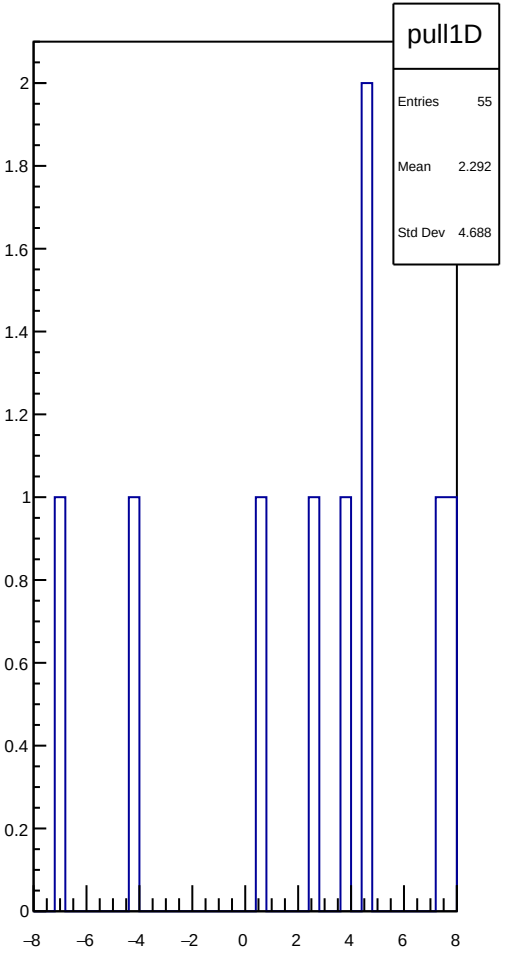
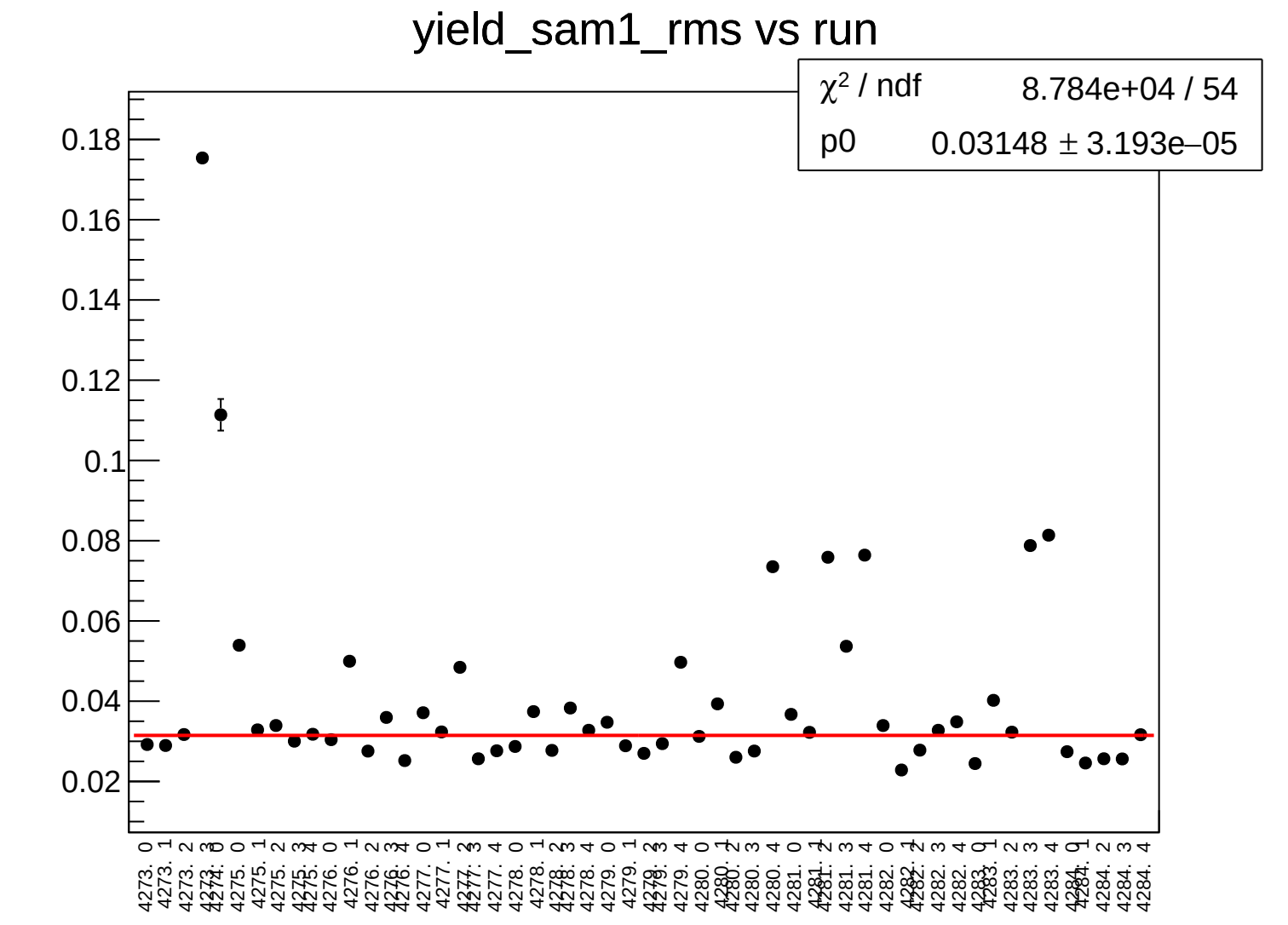
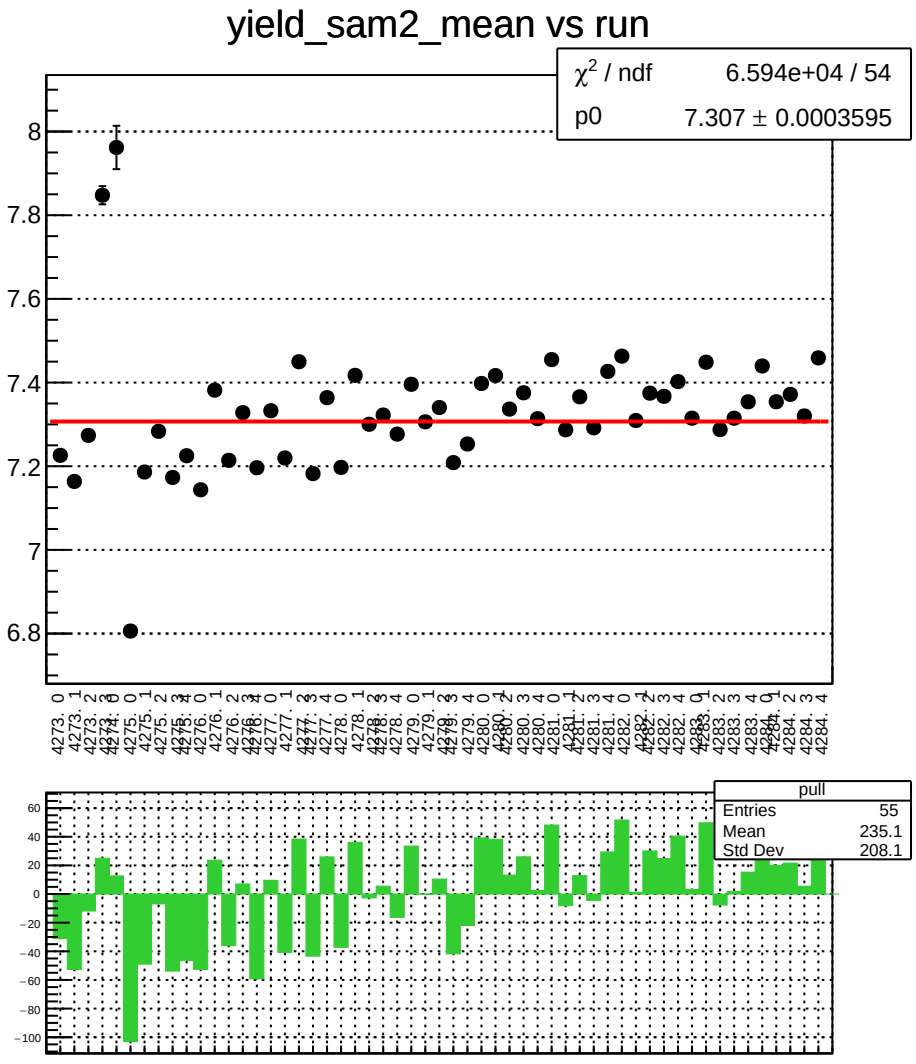
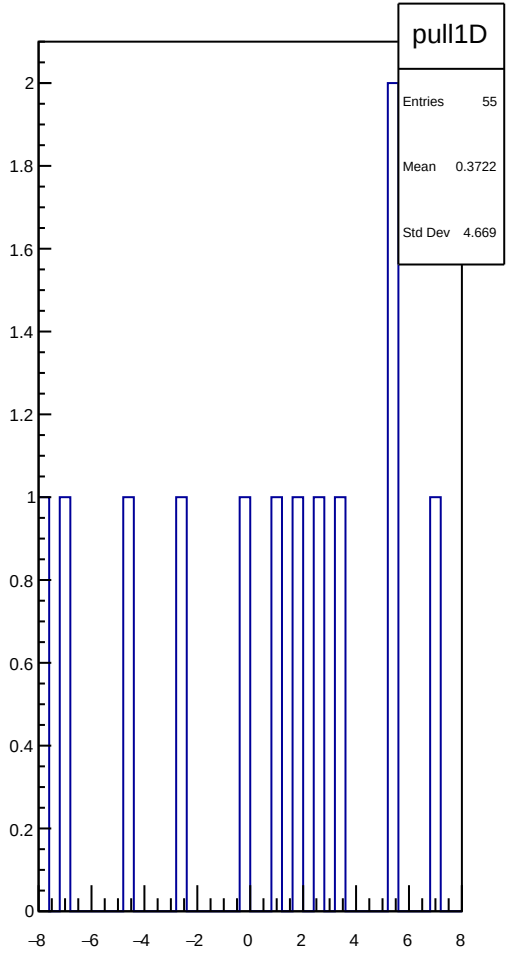
4284. 4

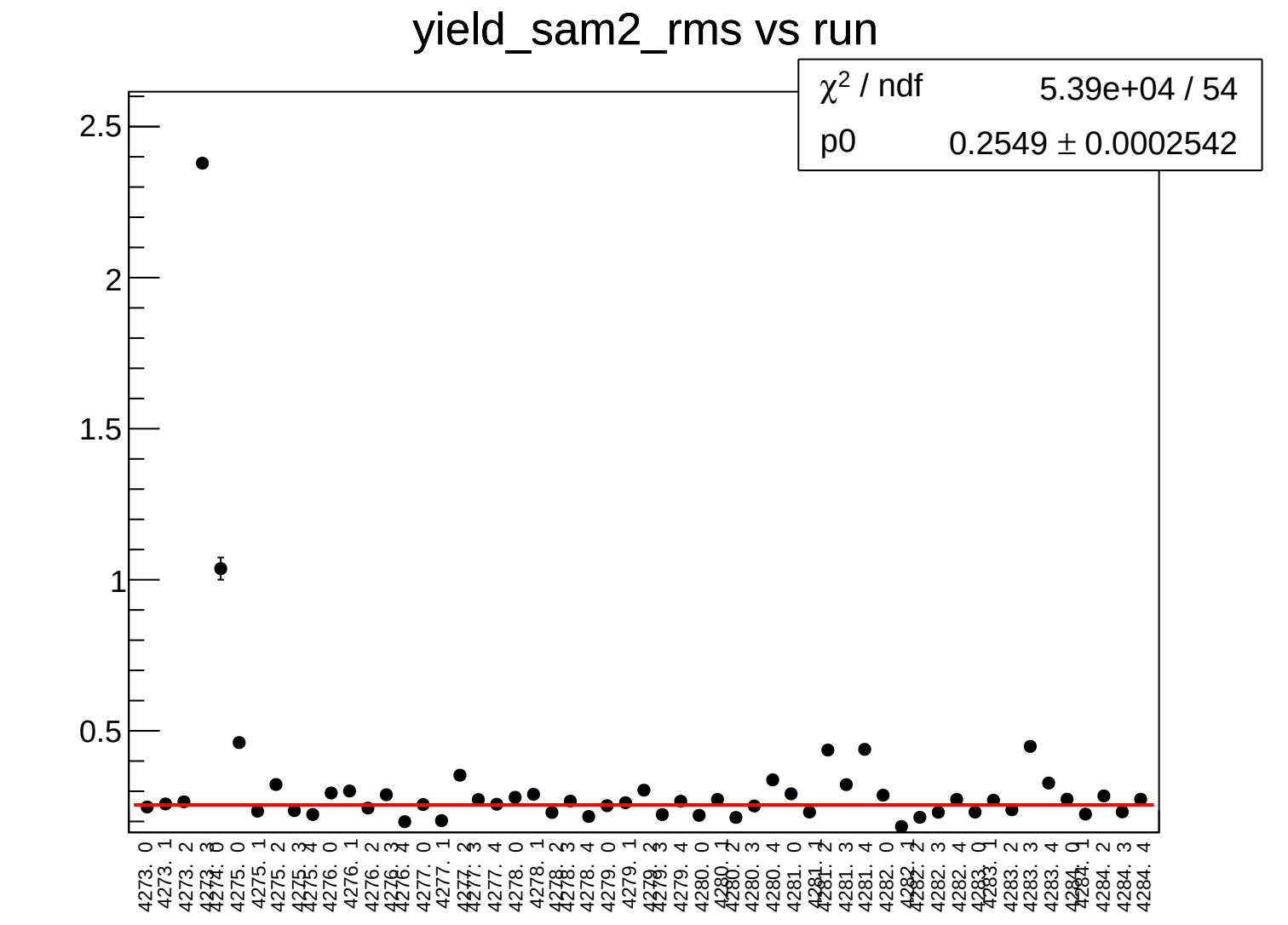

yield_sam1_mean vs run
χ² / ndf 3.859e+05 / 54
p0 3.874 ± 4.516e−05
pull
Entries 55
Mean −1082
Std Dev 1101


pull1D
Entries 55
Mean 2.292
Std Dev 4.688


yield_sam1_rms vs run
χ² / ndf 8.784e+04 / 54
p0 0.03148 ± 3.193e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02


yield_sam2_mean vs run
χ² / ndf 6.594e+04 / 54
p0 7.307 ± 0.0003595
pull
Entries 55
Mean 235.1
Std Dev 208.1


pull1D
Entries 55
Mean 0.3722
Std Dev 4.669


yield_sam2_rms vs run
χ² / ndf 5.39e+04 / 54
p0 0.2549 ± 0.0002542
2.5
2
1.5
1
0.5
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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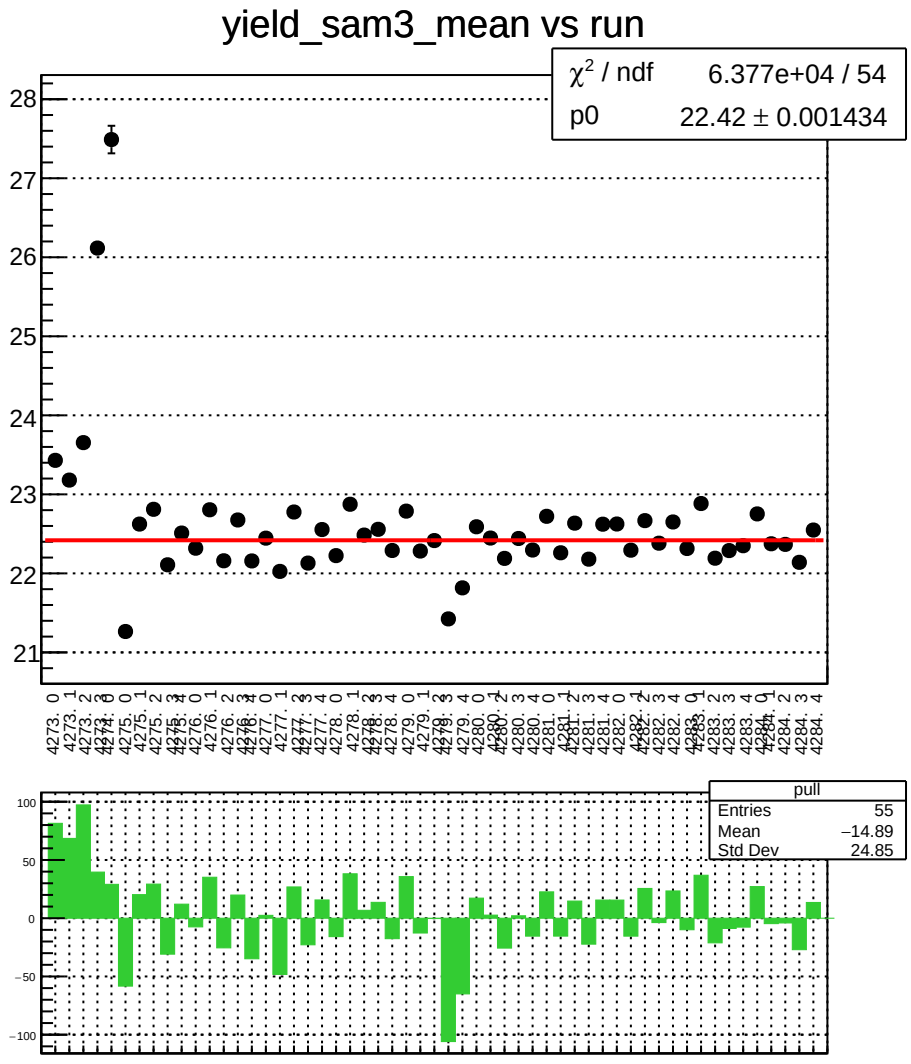
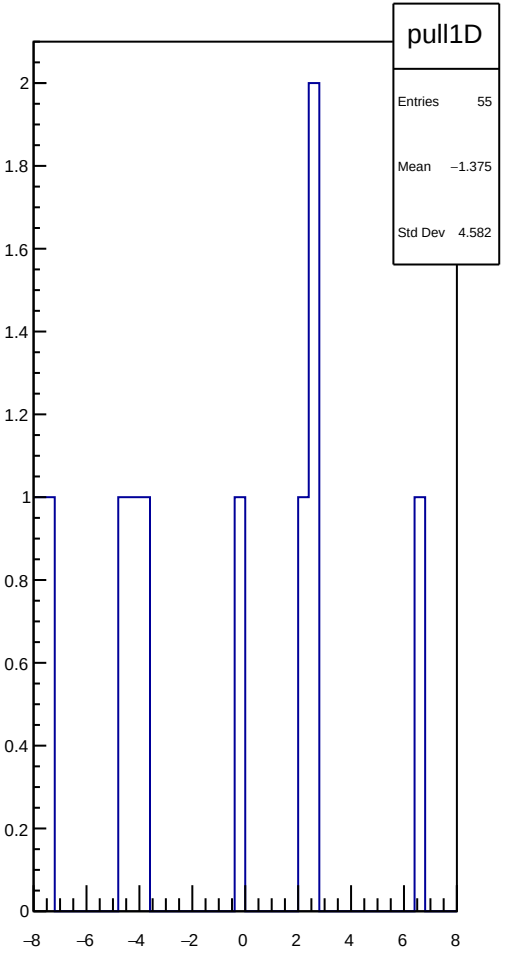
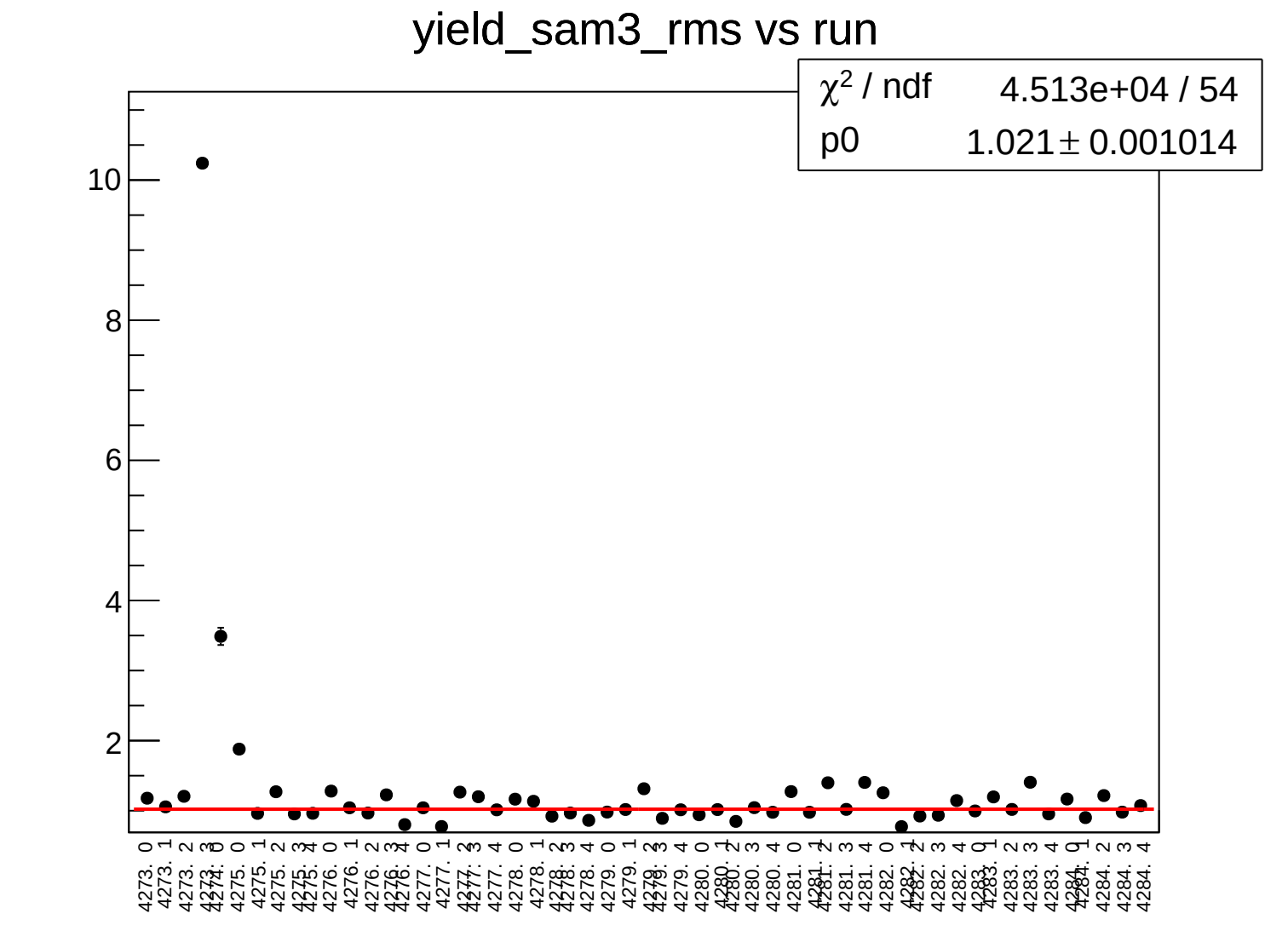
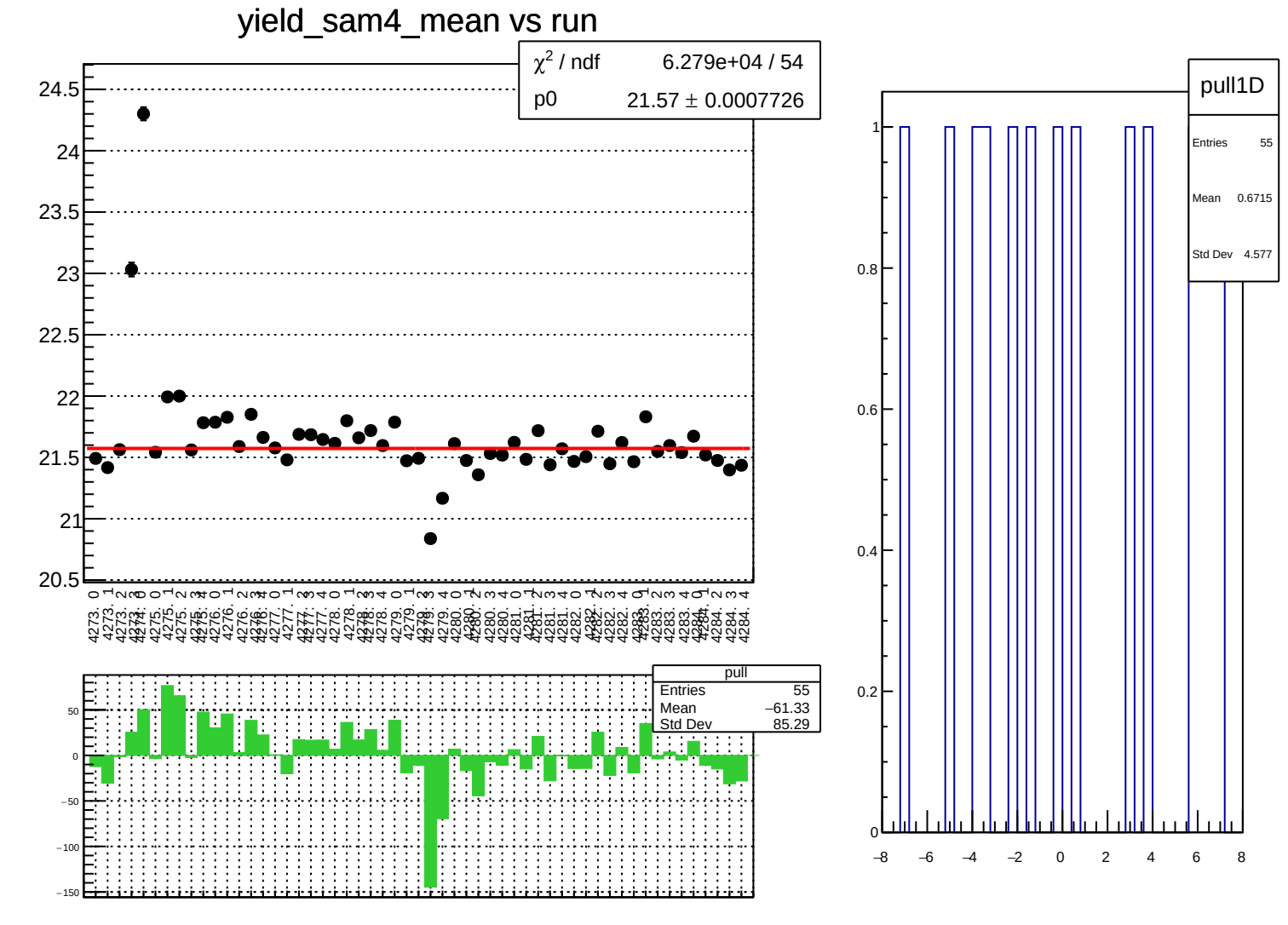
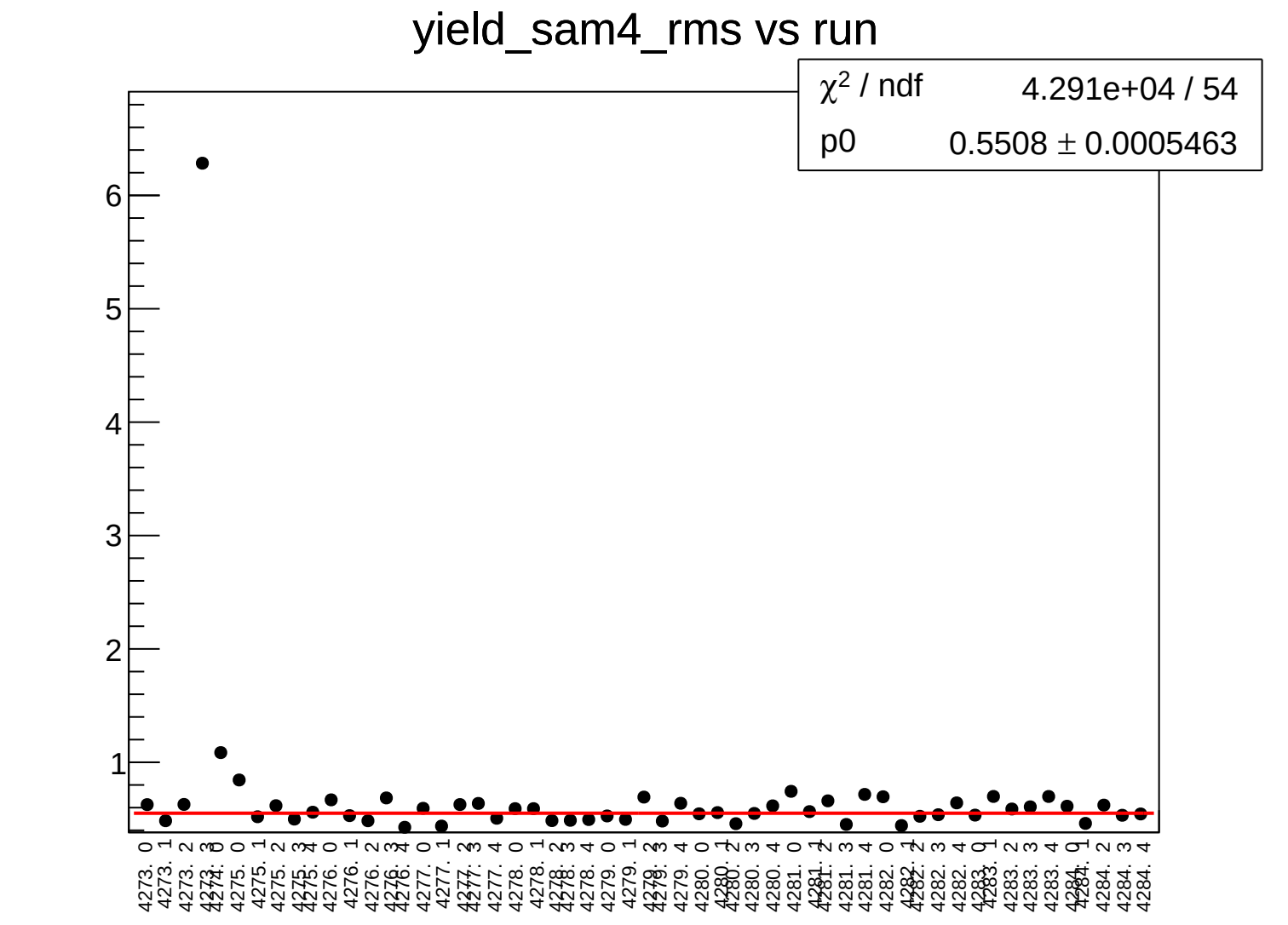
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_sam3_mean vs run
χ² / ndf 6.377e+04 / 54
p0 22.42 ± 0.001434
pull
Entries 55
Mean −14.89
Std Dev 24.85


pull1D
Entries 55
Mean −1.375
Std Dev 4.582


yield_sam3_rms vs run
χ^2 / ndf 4.513e+04 / 54
p0 1.021 ± 0.001014
10
8
6
4
2
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_sam4_mean vs run
χ² / ndf 6.279e+04 / 54
p0 21.57 ± 0.0007726
pull
Entries 55
Mean −61.33
Std Dev 85.29
pull1D
Entries 55
Mean 0.6715
Std Dev 4.577


yield_sam4_rms vs run
χ² / ndf 4.291e+04 / 54
p0 0.5508 ± 0.0005463
6
5
4
3
2
1
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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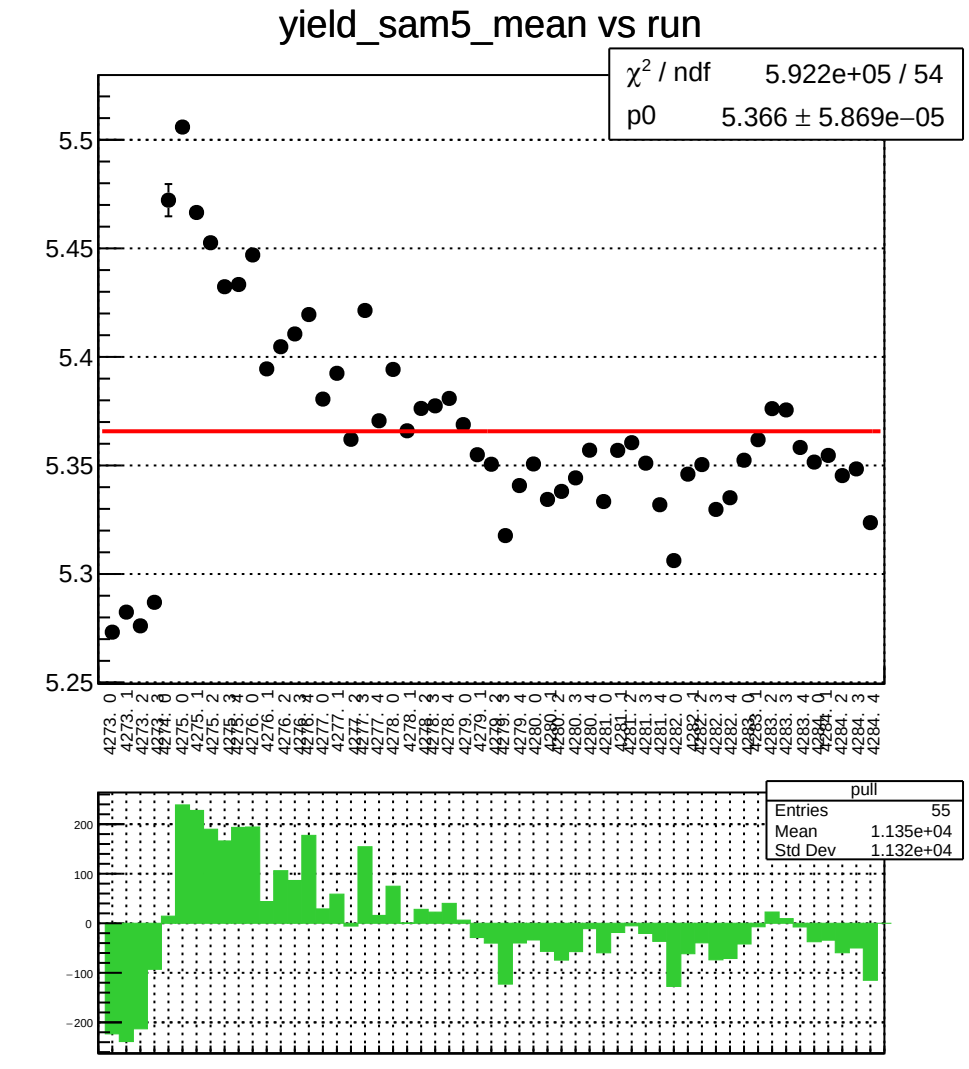
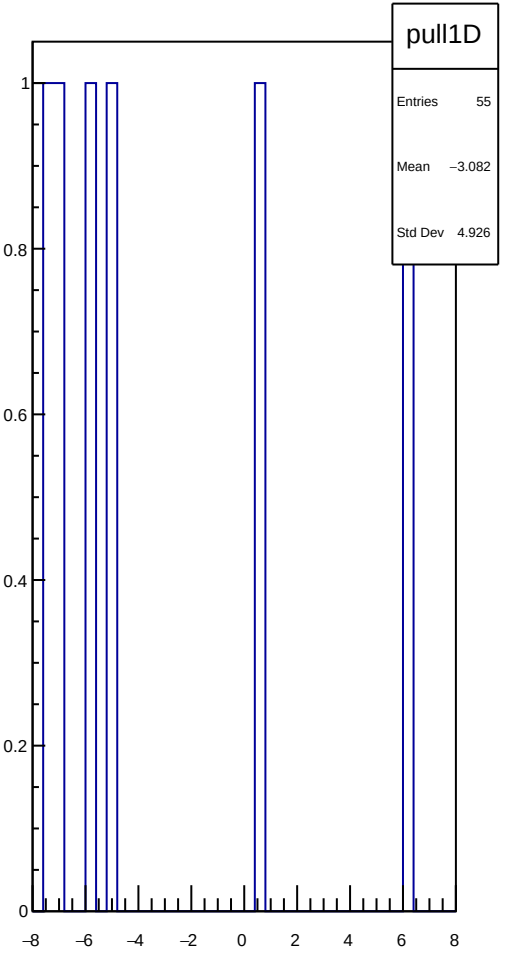
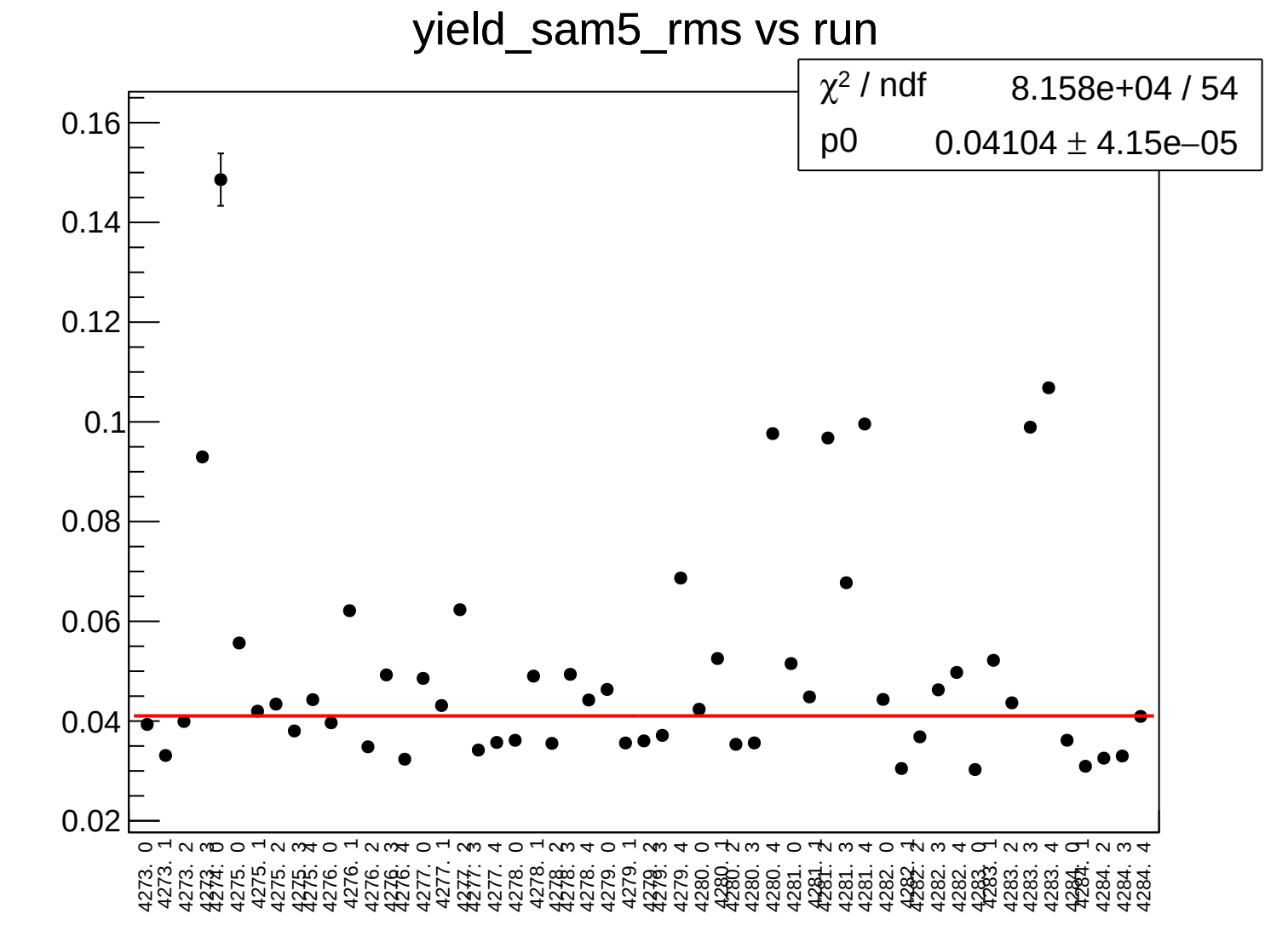
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_sam5_mean vs run
χ² / ndf 5.922e+05 / 54
p0 5.366 ± 5.869e−05
pull
Entries 55
Mean 1.135e+04
Std Dev 1.132e+04


pull1D
Entries 55
Mean −3.082
Std Dev 4.926


yield_sam5_rms vs run
χ² / ndf 8.158e+04 / 54
p0 0.04104 ± 4.15e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
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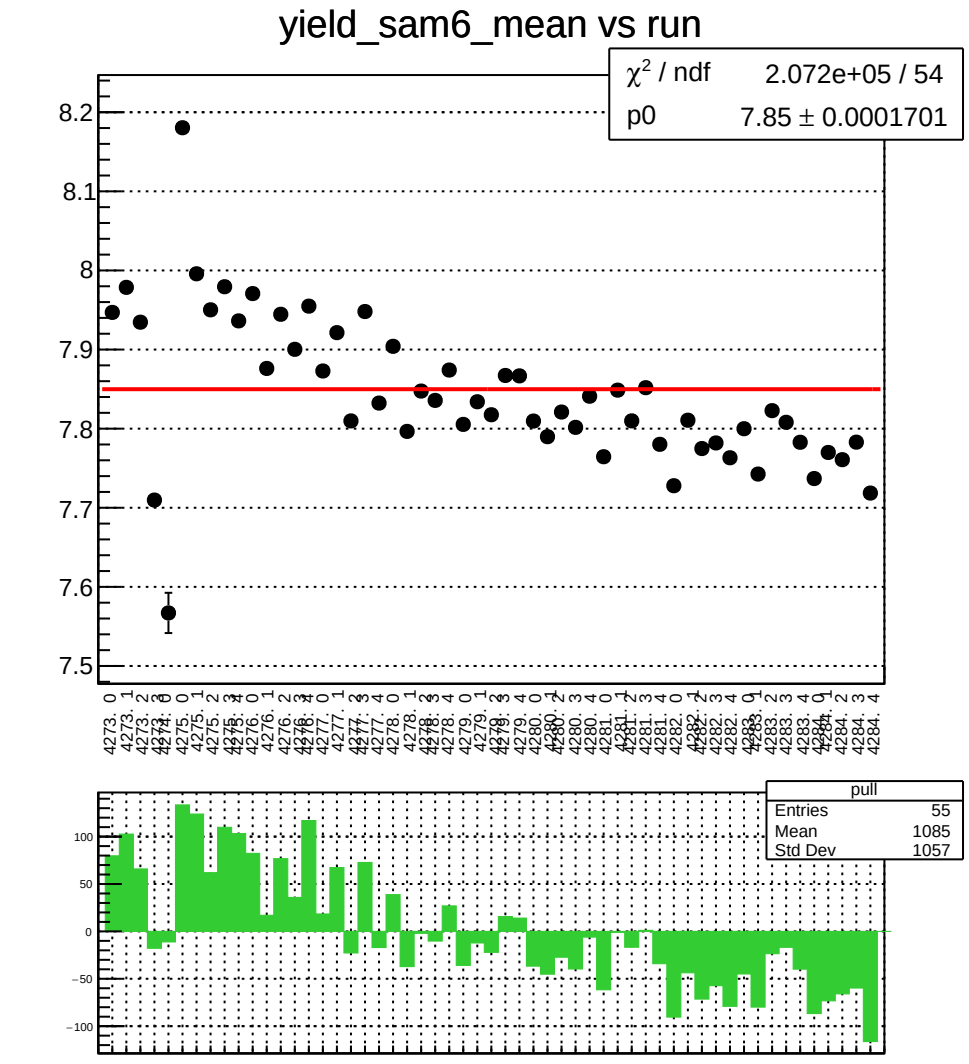
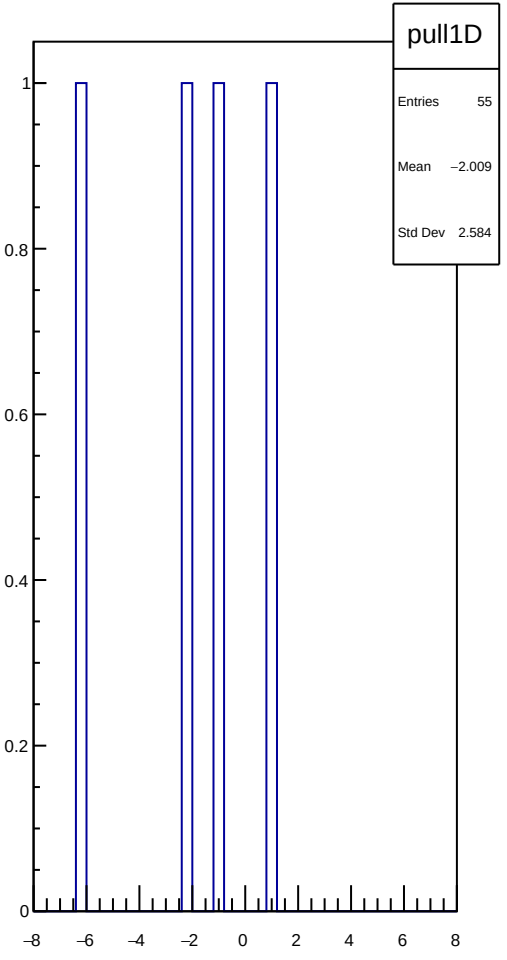
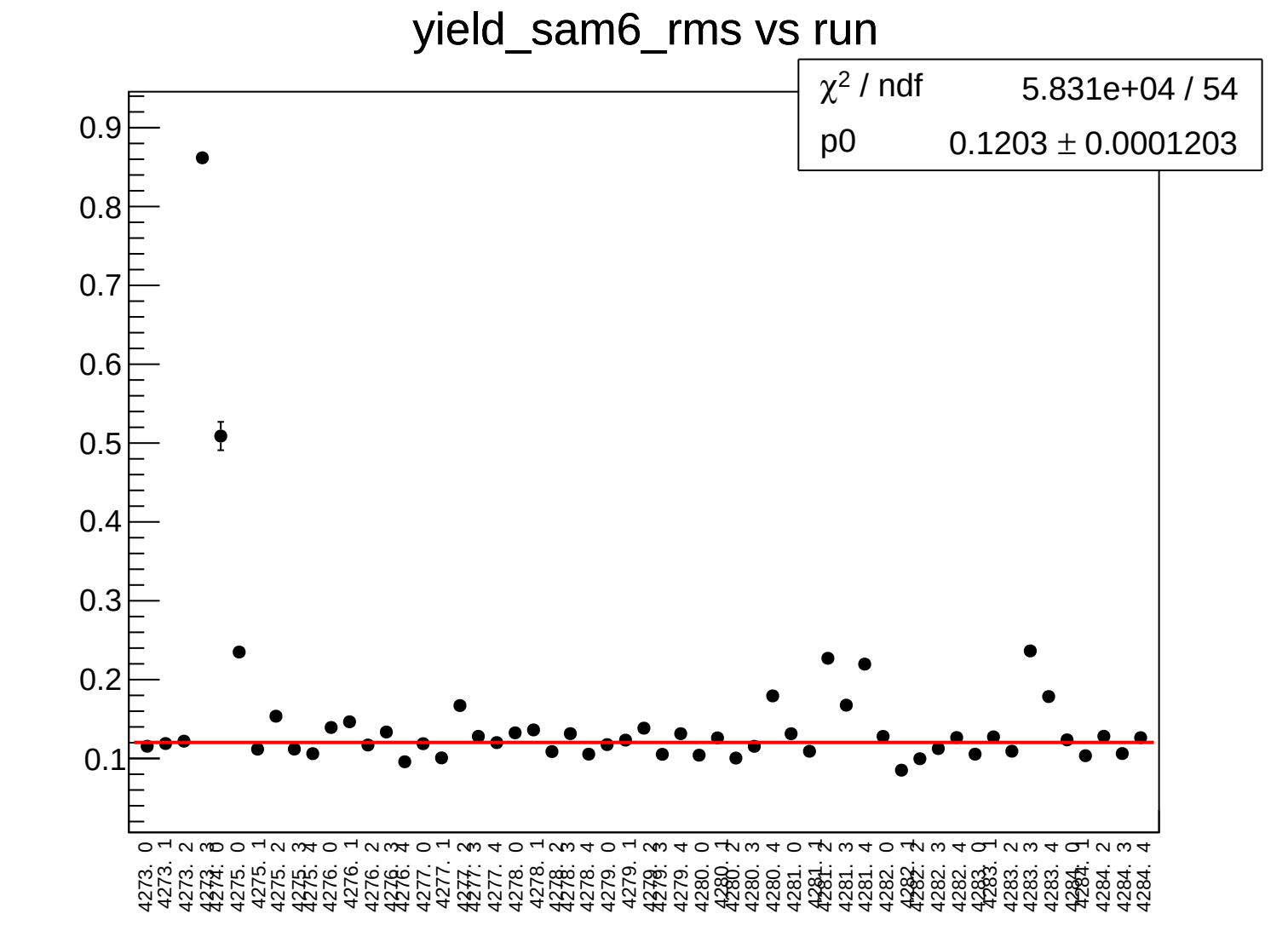
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_sam6_mean vs run
χ² / ndf 2.072e+05 / 54
p0 7.85 ± 0.0001701
pull
Entries 55
Mean 1085
Std Dev 1057


pull1D
Entries 55
Mean −2.009
Std Dev 2.584


yield_sam6_rms vs run
χ² / ndf 5.831e+04 / 54
p0 0.1203 ± 0.0001203
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
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4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
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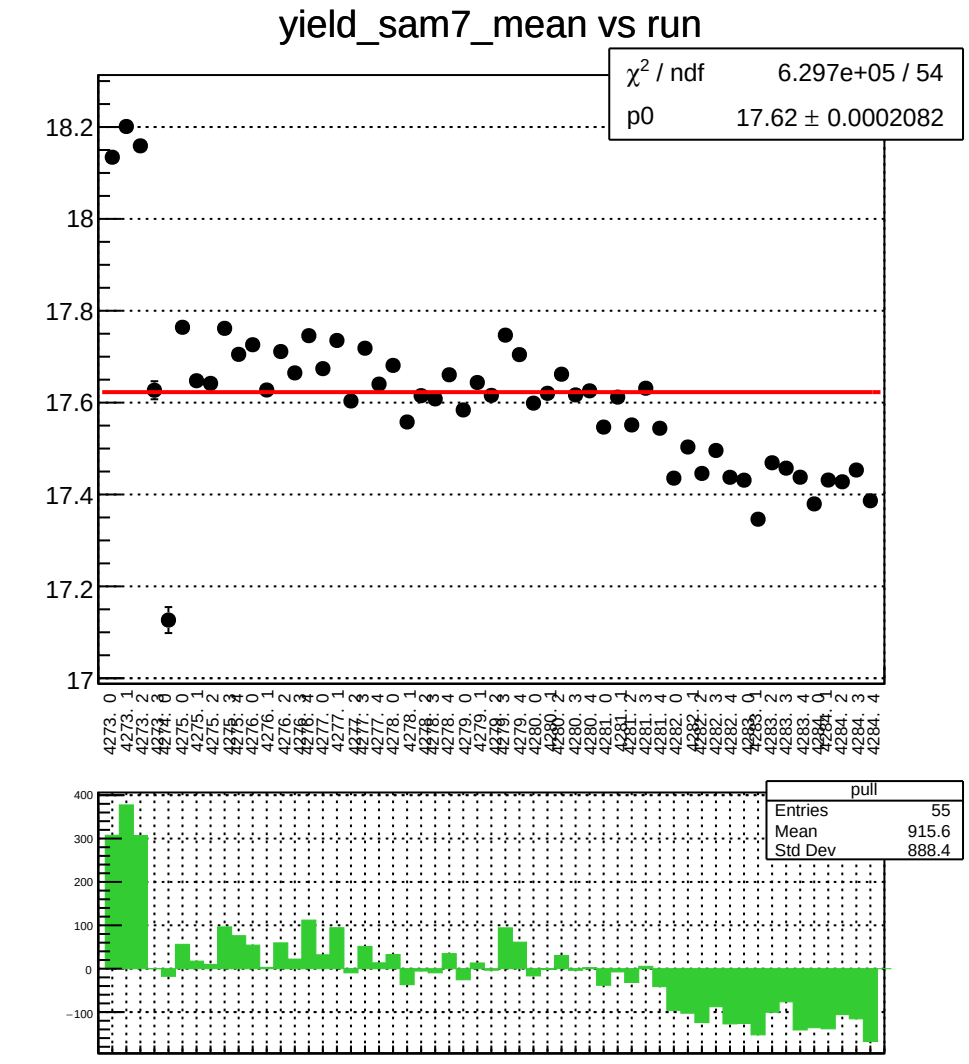
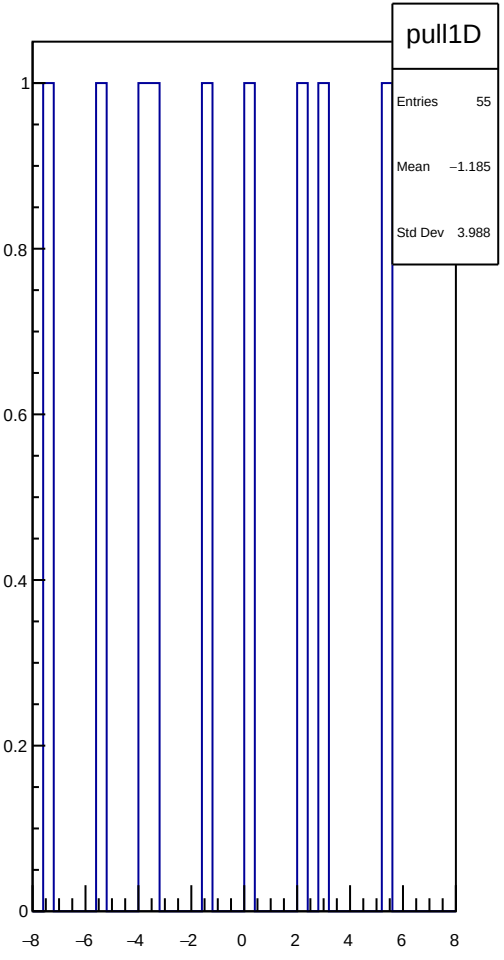
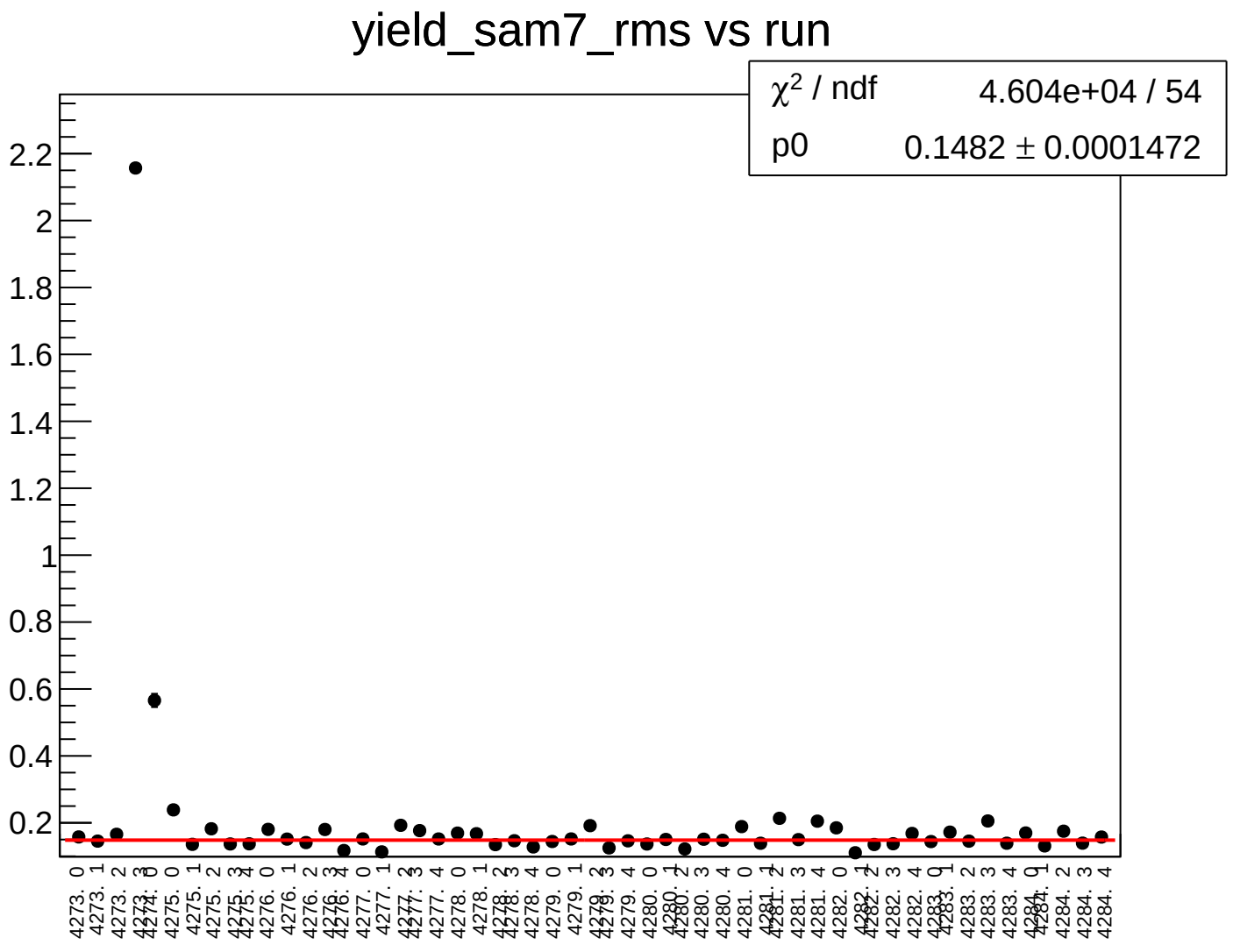
4284. 1
4284. 2
4284. 3
4284. 4


yield_sam7_mean vs run
χ² / ndf 6.297e+05 / 54
p0 17.62 ± 0.0002082
18.2
18
17.8
17.6
17.4
17.2
17
pull
Entries 55
Mean 915.6
Std Dev 888.4
400
300
200
100
0
−100


pull1D
Entries 55
Mean −1.185
Std Dev 3.988
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 4.604e+04 / 54
p0 0.1482 ± 0.0001472
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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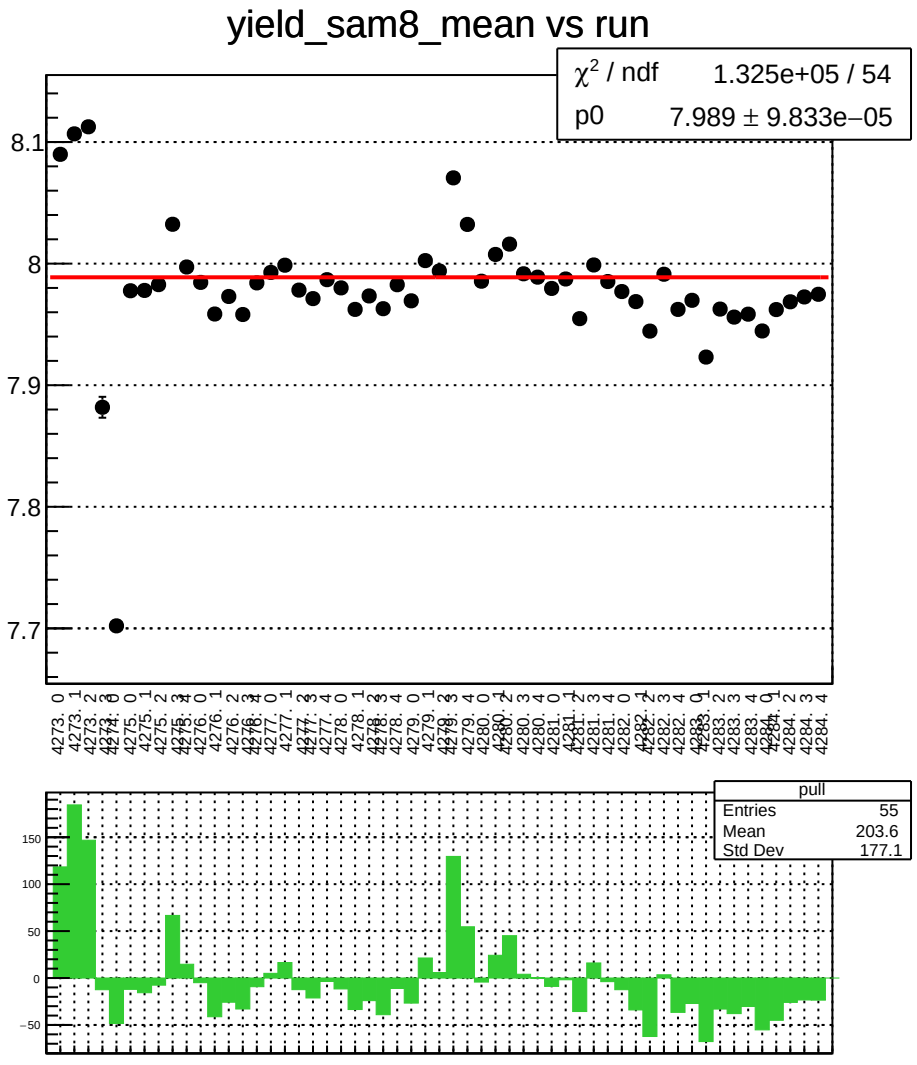
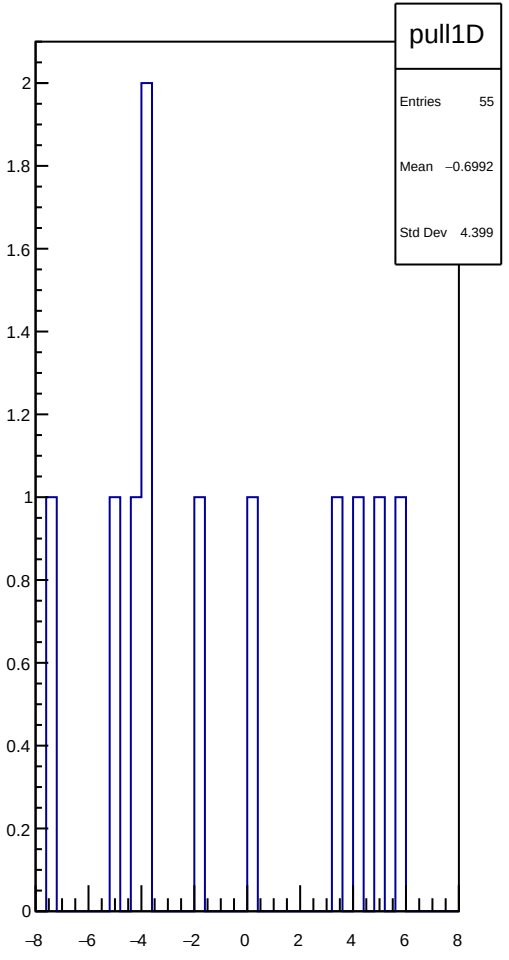
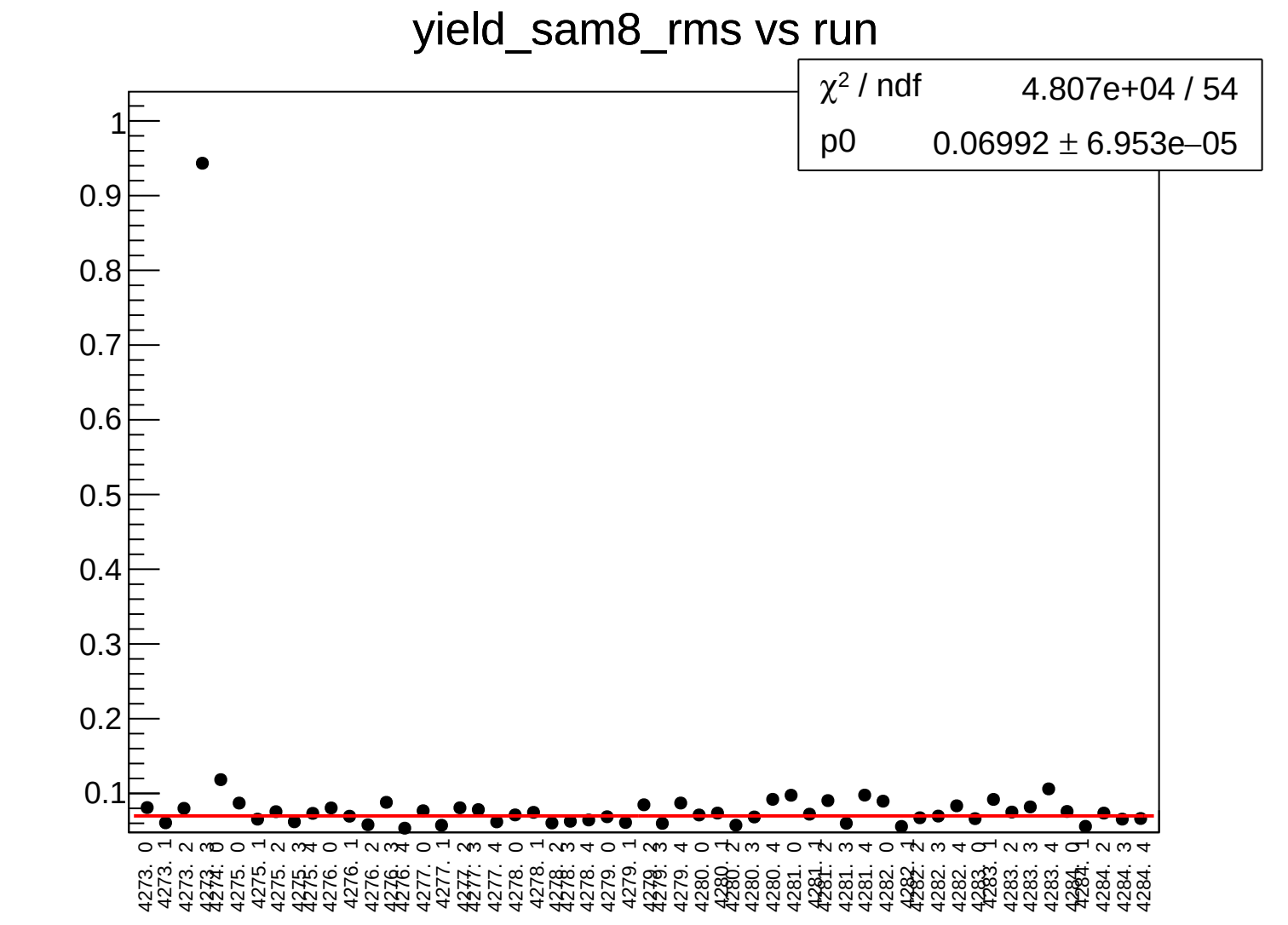
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


yield_sam8_mean vs run
χ² / ndf 1.325e+05 / 54
p0 7.989 ± 9.833e−05
8.1
8
7.9
7.8
7.7
pull
Entries 55
Mean 203.6
Std Dev 177.1
150
100
50
0
−50


pull1D
Entries 55
Mean −0.6992
Std Dev 4.399
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_sam8_rms vs run
χ² / ndf 4.807e+04 / 54
p0 0.06992 ± 6.953e−05
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
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4284. 1
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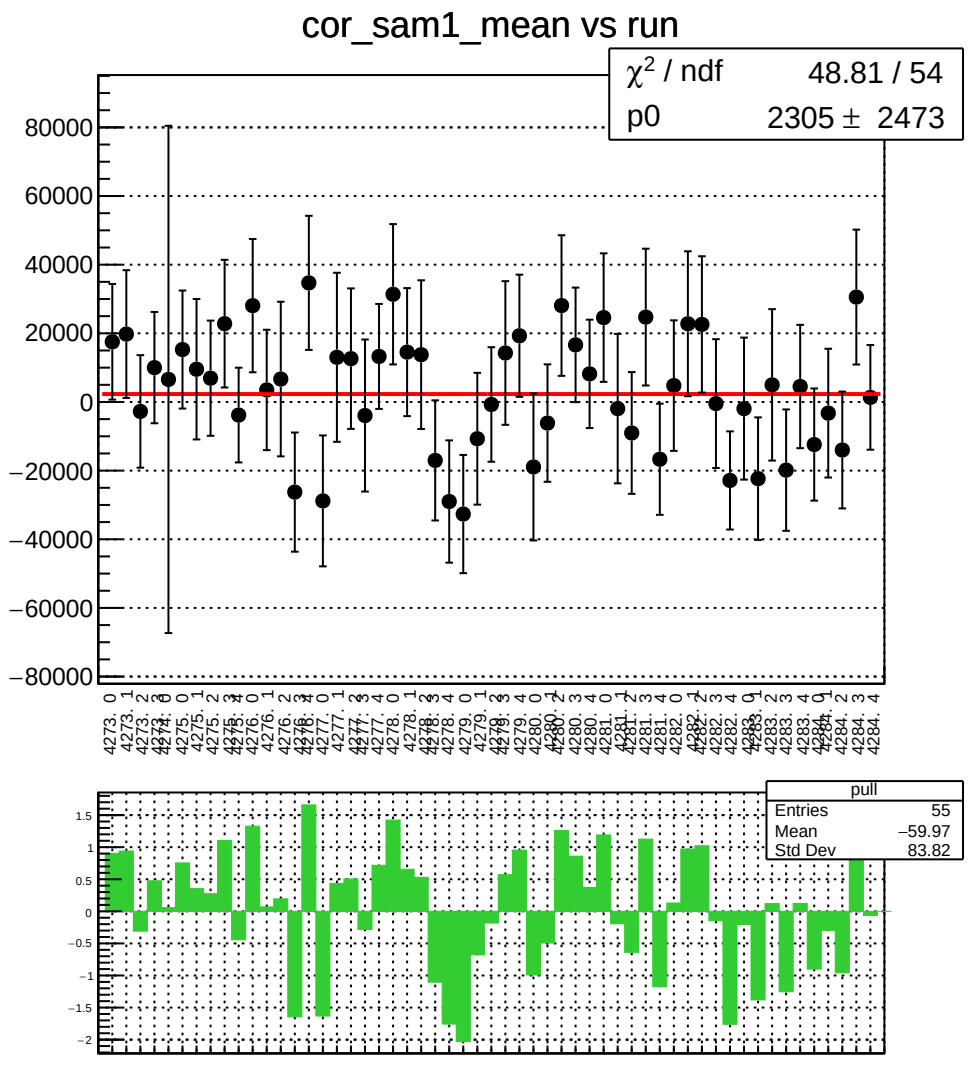
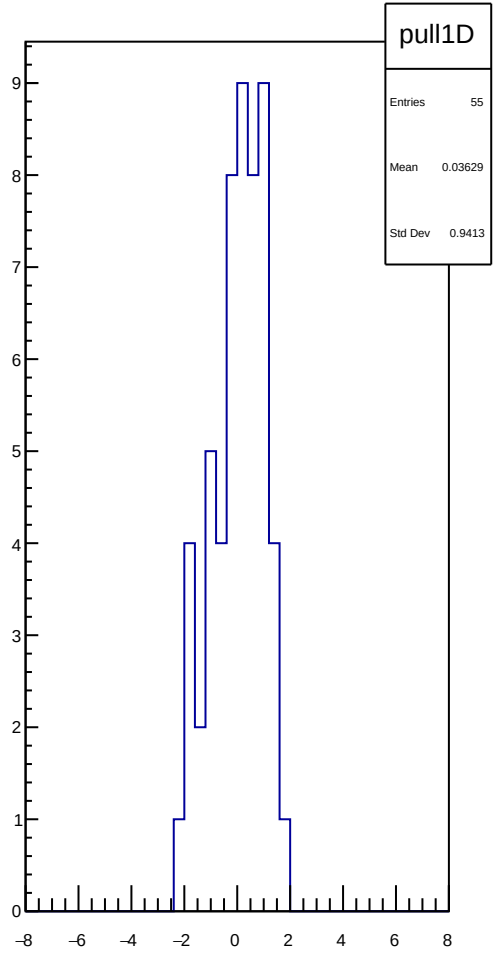
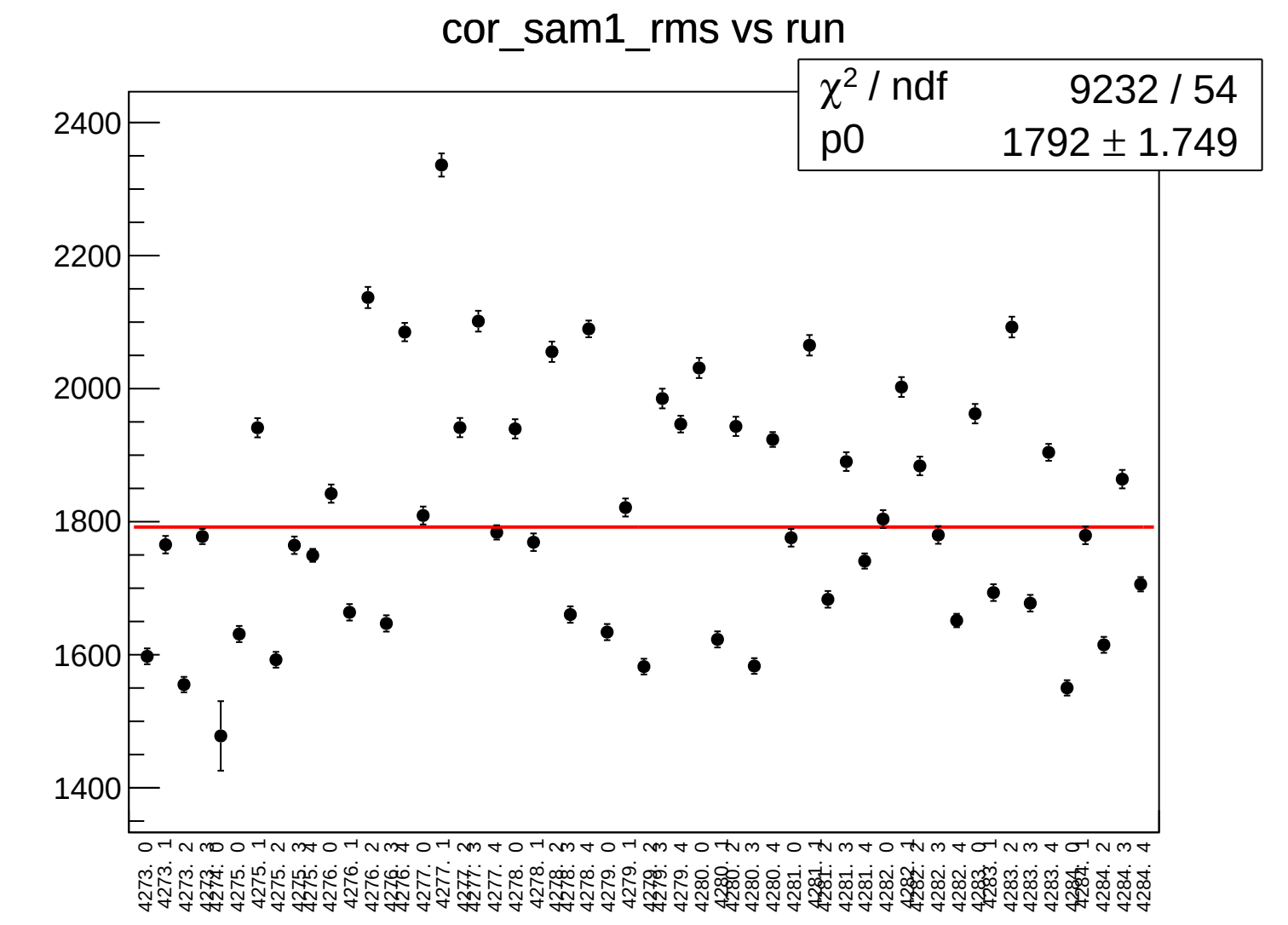
4284. 4


cor_sam1_mean vs run
χ² / ndf 48.81 / 54
p0 2305 ± 2473
pull
Entries 55
Mean −59.97
Std Dev 83.82


pull1D
Entries 55
Mean 0.03629
Std Dev 0.9413


cor_sam1_rms vs run
χ² / ndf 9232 / 54
p0 1792 ± 1.749
2400
2200
2000
1800
1600
1400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
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4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 1
4283. 2
4283. 3
4283. 4
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4284. 1
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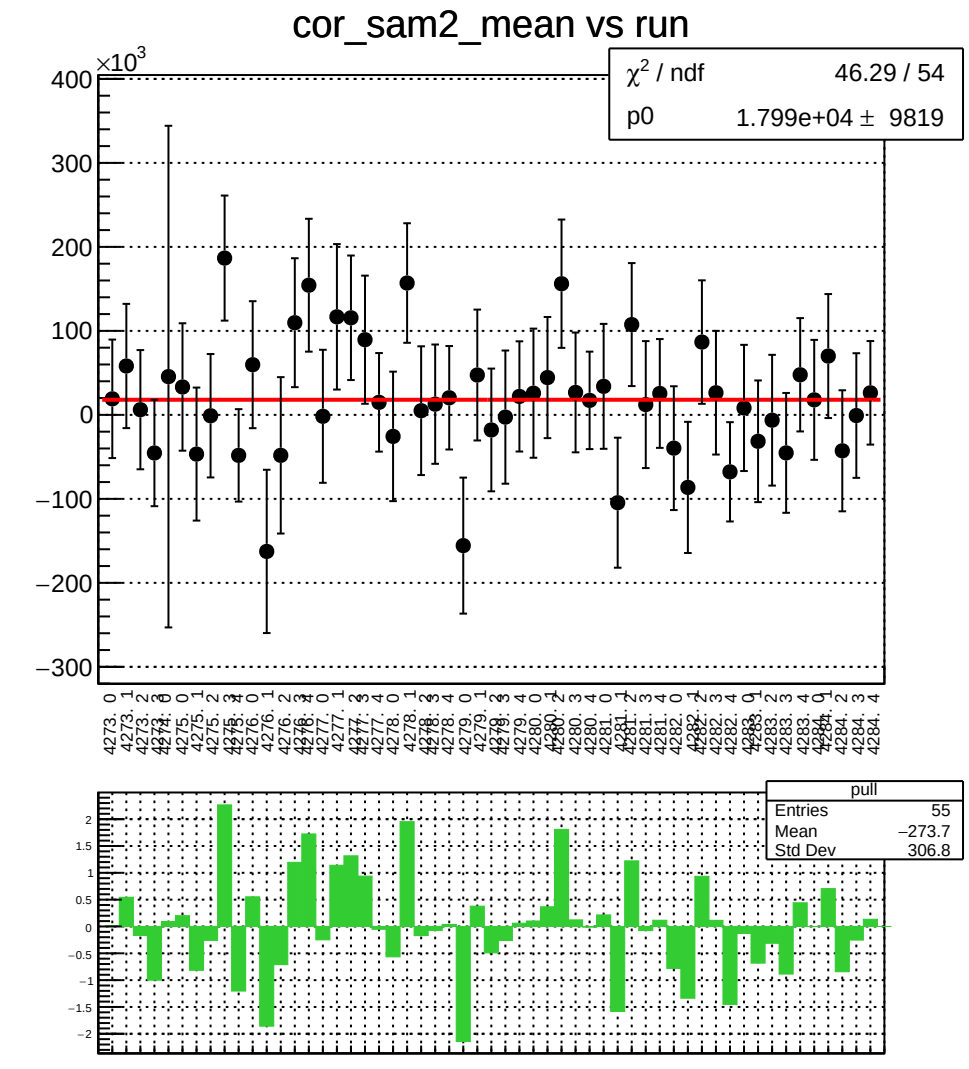
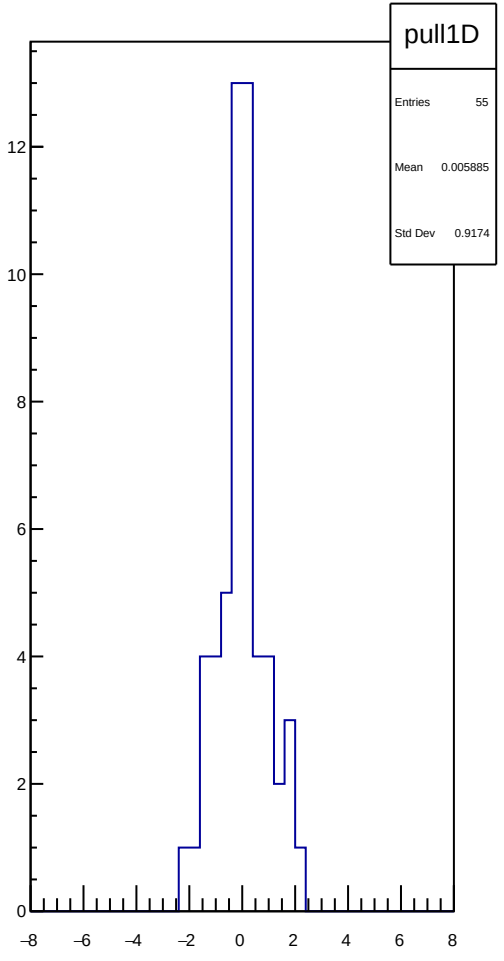
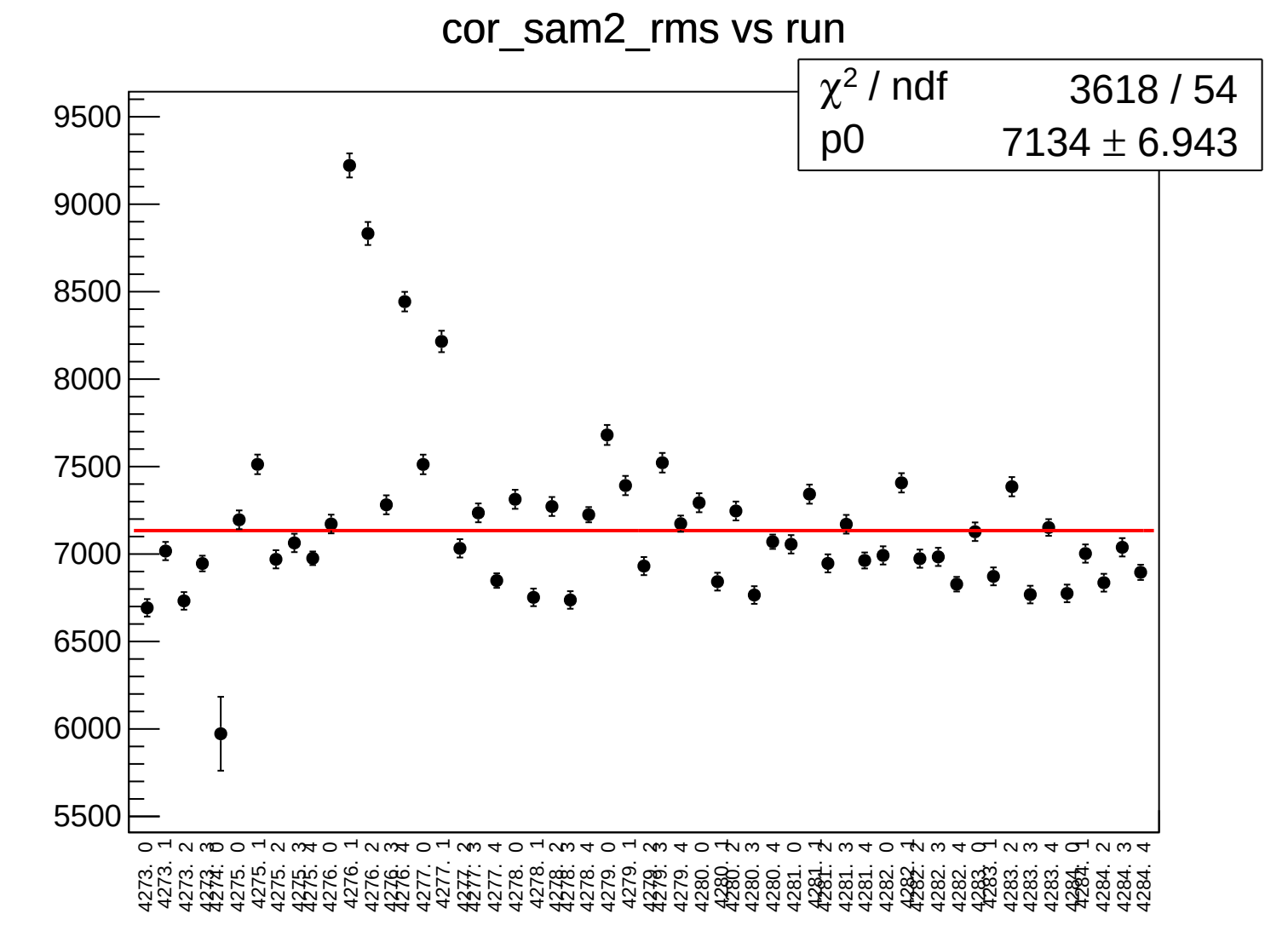
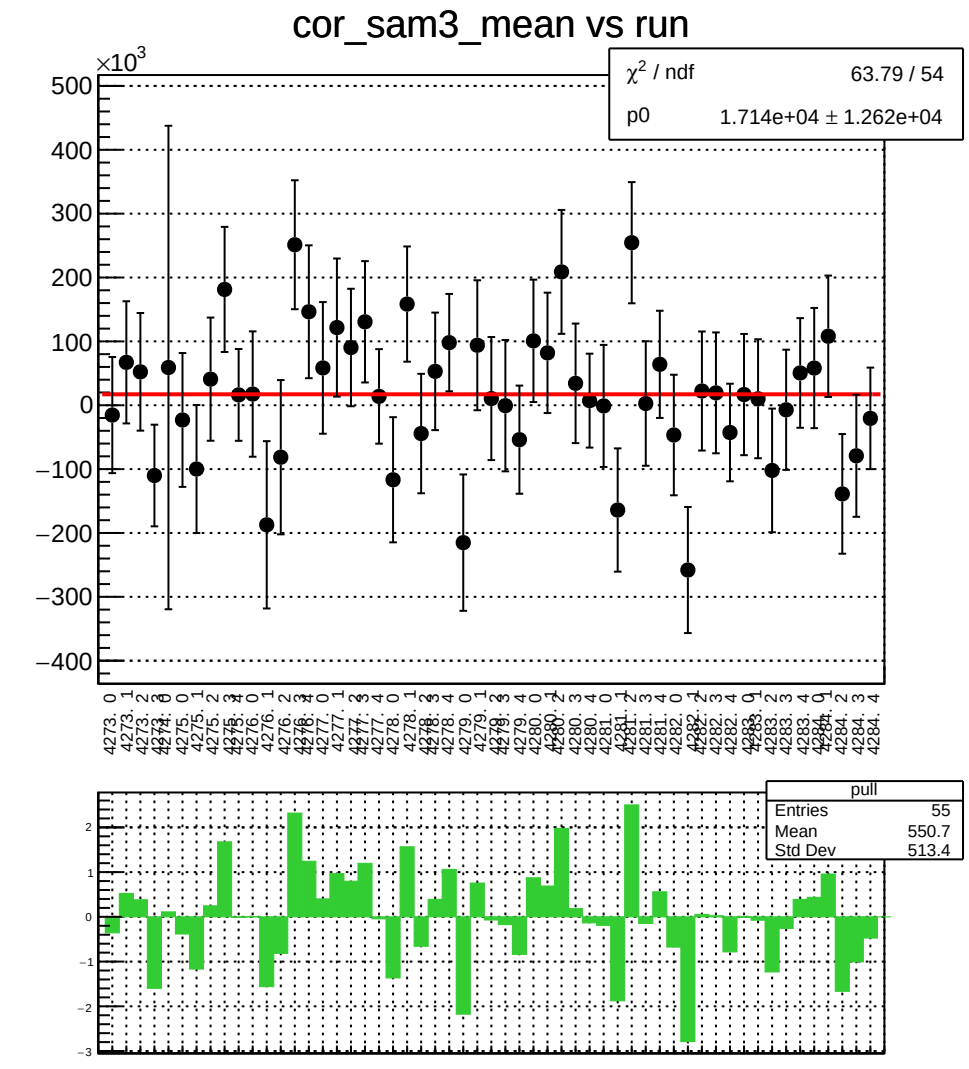
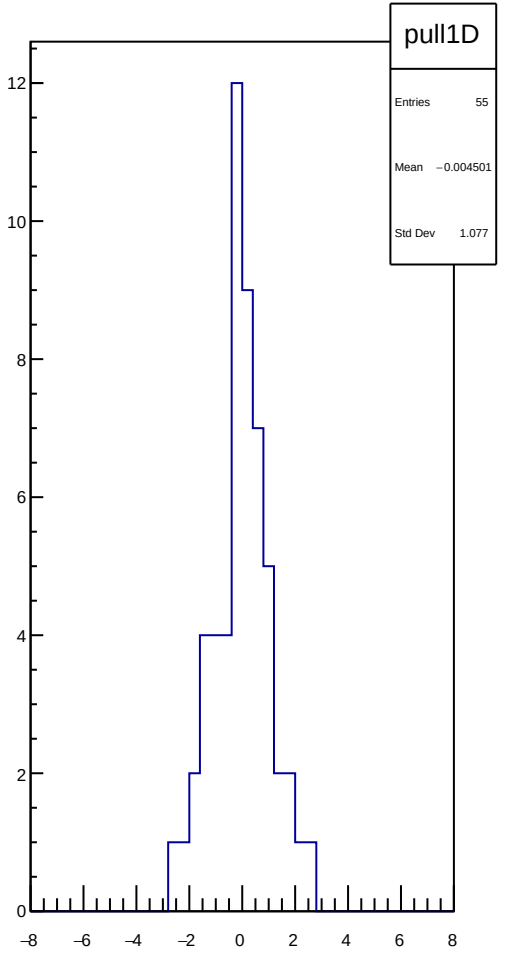
4284. 4

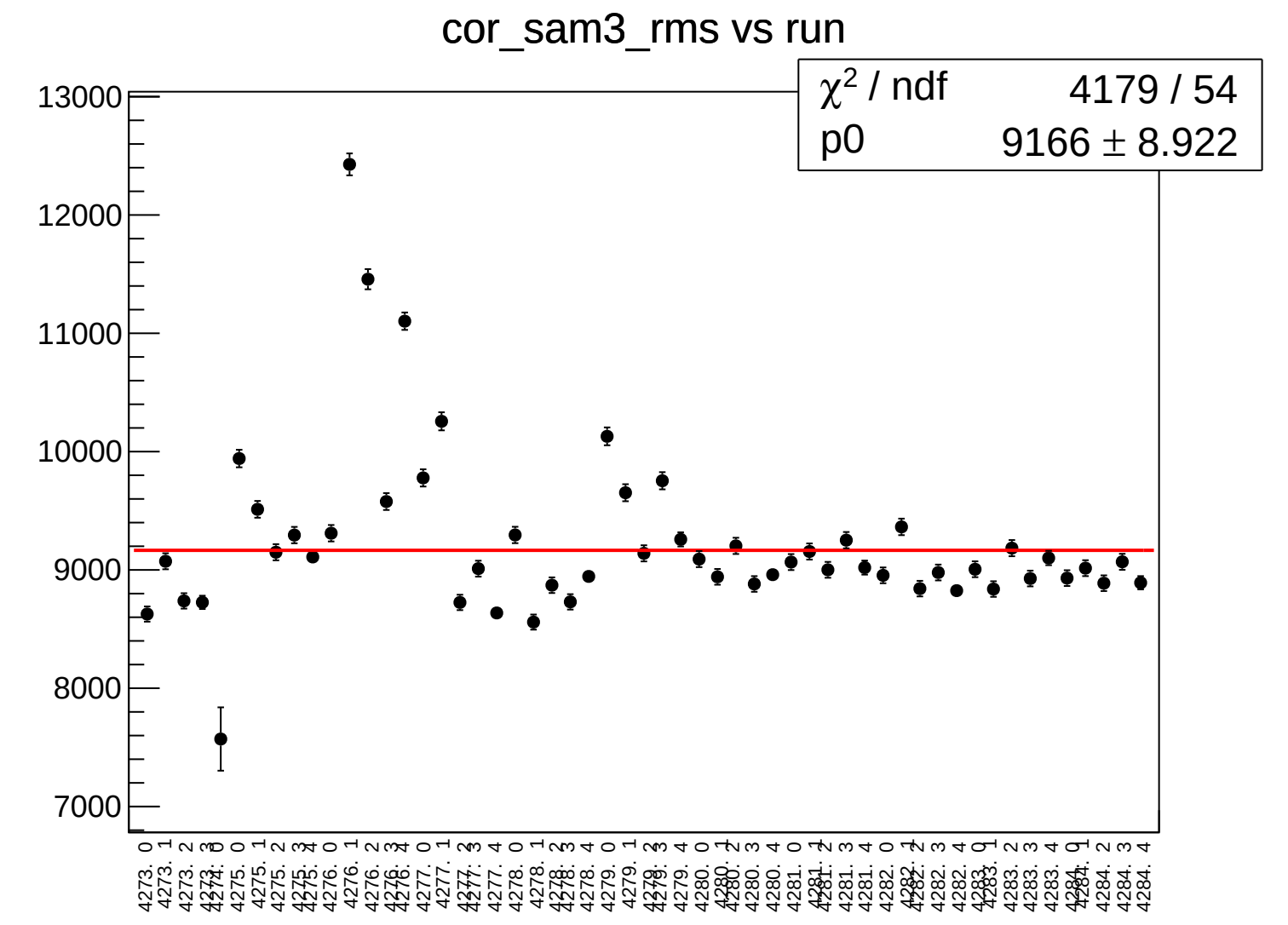

cor_sam2_mean vs run
×10^3
χ² / ndf 46.29 / 54
p0 1.799e+04 ± 9819
pull
Entries 55
Mean −273.7
Std Dev 306.8


pull1D
Entries 55
Mean 0.005885
Std Dev 0.9174


cor_sam2_rms vs run
χ² / ndf 3618 / 54
p0 7134 ± 6.943
9500
9000
8500
8000
7500
7000
6500
6000
5500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


cor_sam3_mean vs run
×10^3
χ² / ndf 63.79 / 54
p0 1.714e+04 ± 1.262e+04
pull
Entries 55
Mean 550.7
Std Dev 513.4


pull1D
Entries 55
Mean −0.004501
Std Dev 1.077


cor_sam3_rms vs run
χ² / ndf 4179 / 54
p0 9166 ± 8.922
13000
12000
11000
10000
9000
8000
7000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
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4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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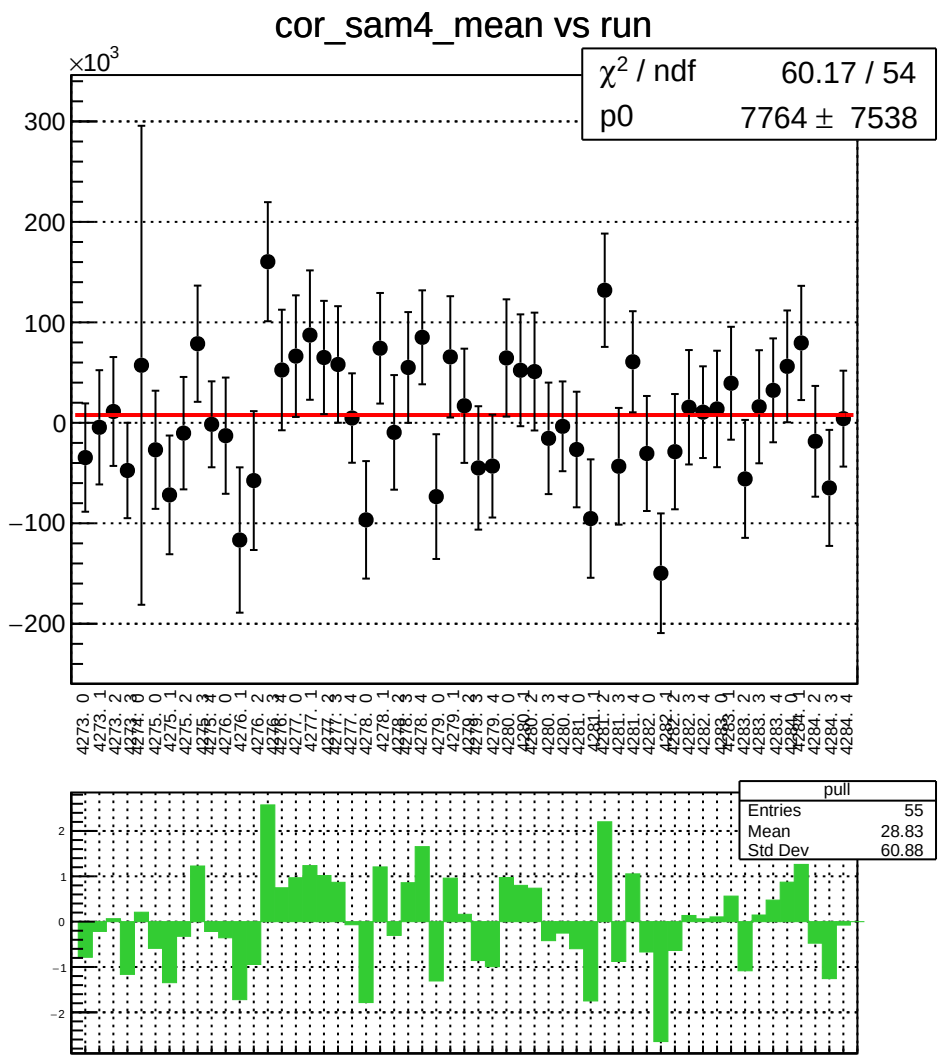
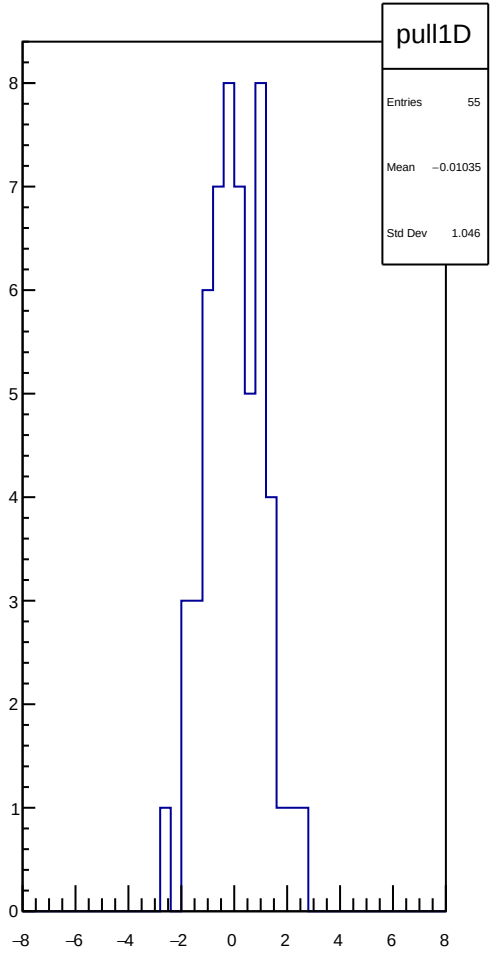
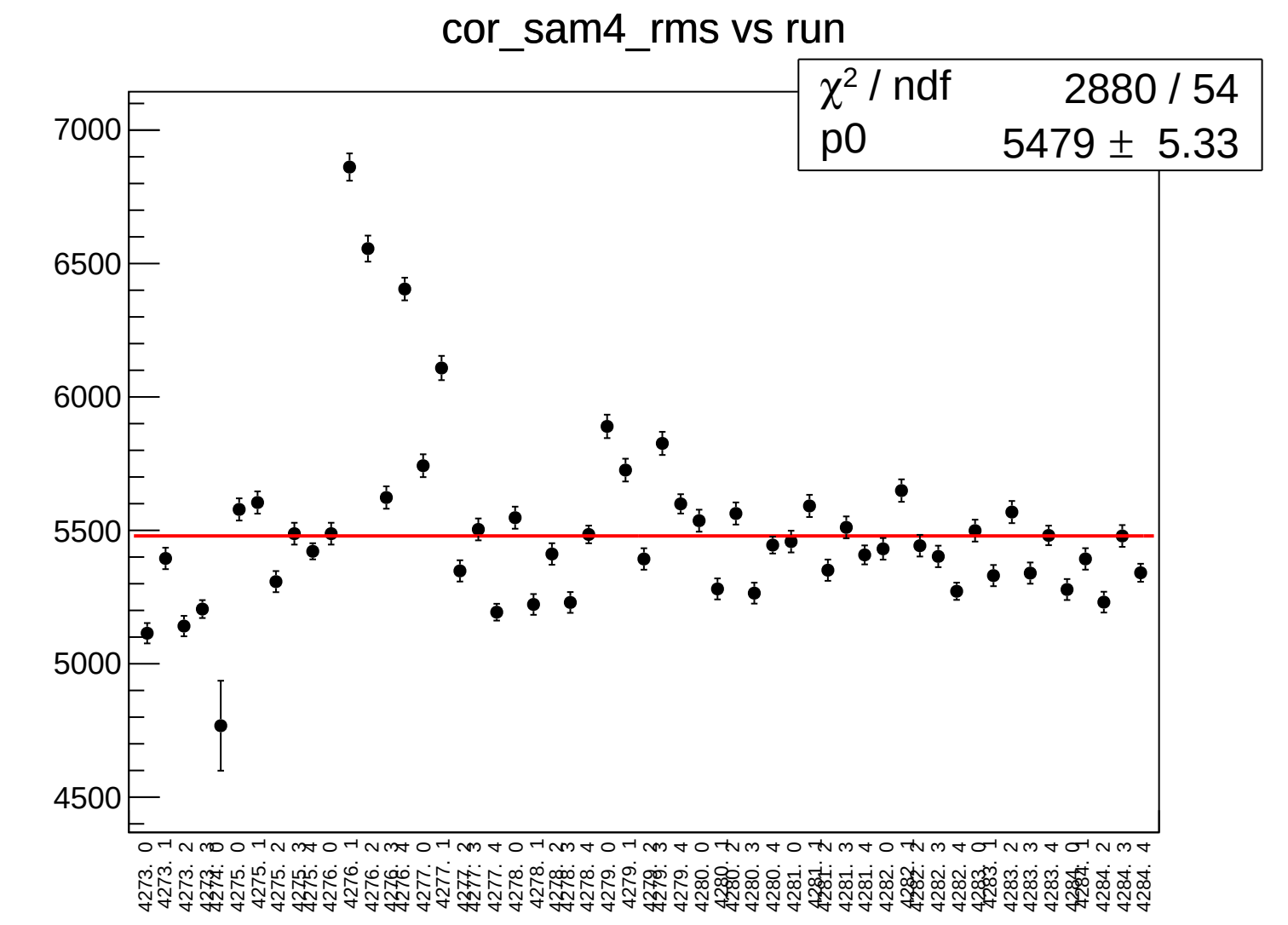
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


cor_sam4_mean vs run
×10^3
χ² / ndf 60.17 / 54
p0 7764 ± 7538
pull
Entries 55
Mean 28.83
Std Dev 60.88


pull1D
Entries 55
Mean −0.01035
Std Dev 1.046


cor_sam4_rms vs run
χ² / ndf 2880 / 54
p0 5479 ± 5.33
7000
6500
6000
5500
5000
4500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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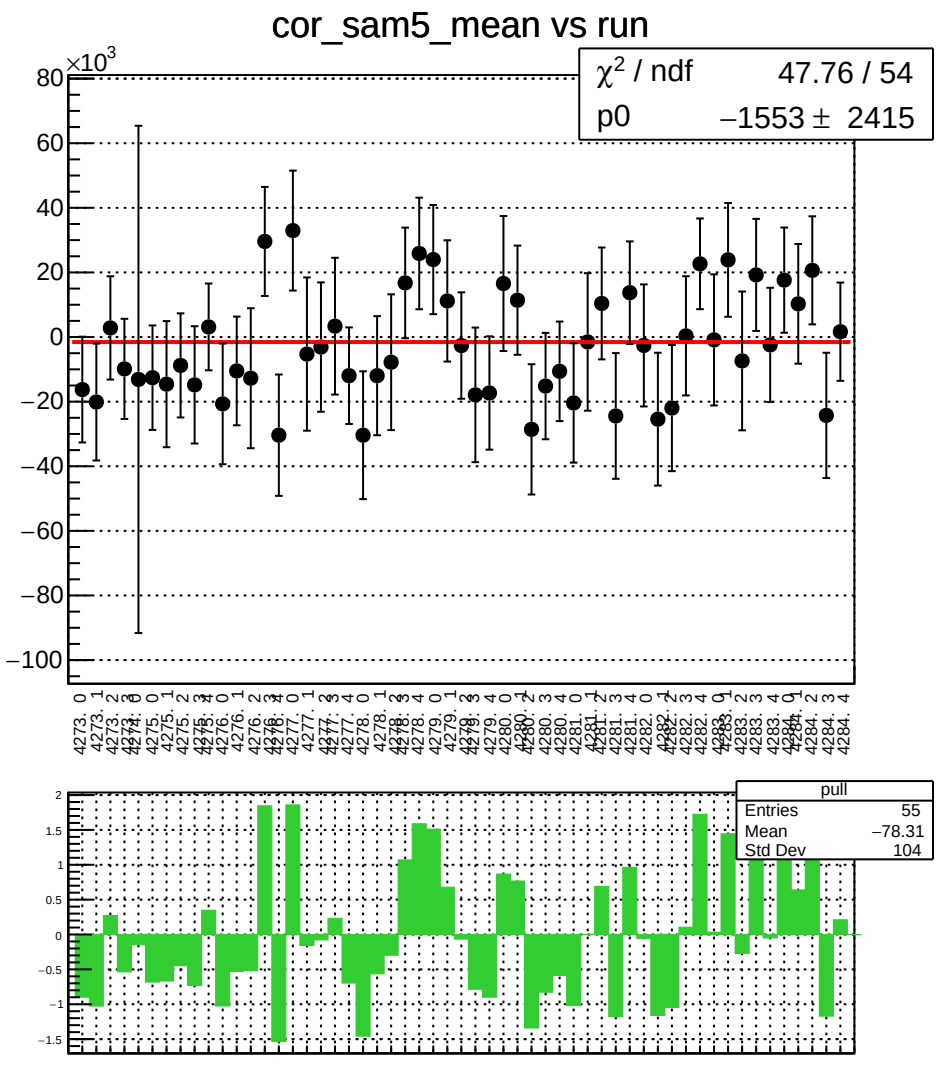
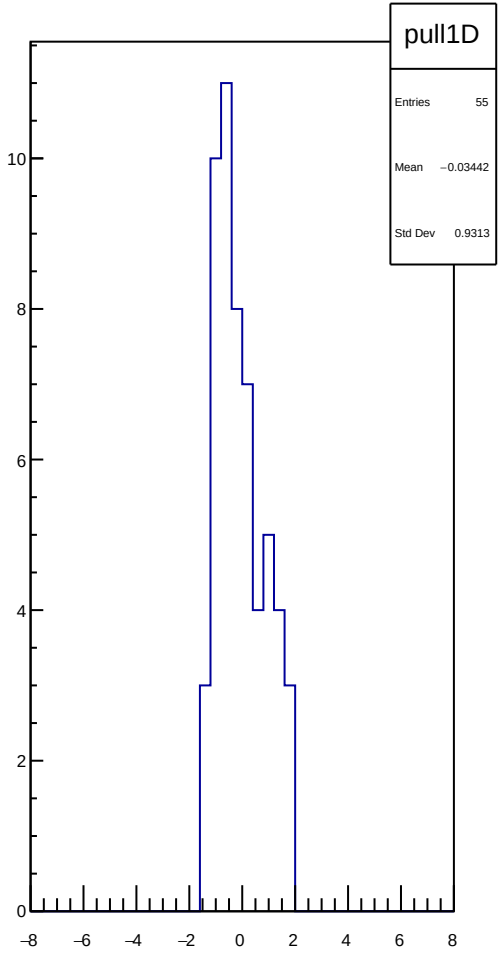
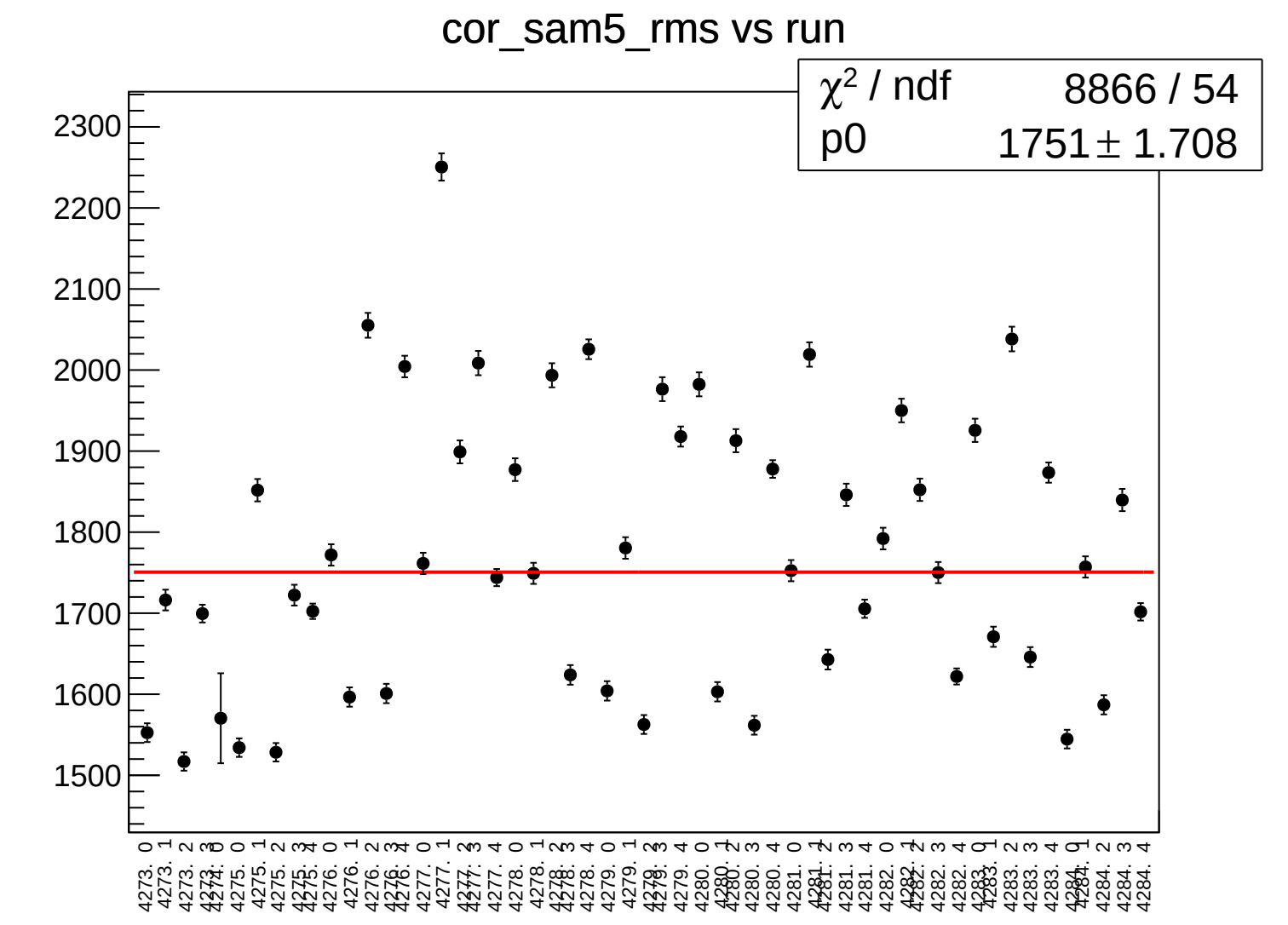
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


cor_sam5_mean vs run
χ² / ndf 47.76 / 54
p0 −1553 ± 2415
×10³
pull
Entries 55
Mean −78.31
Std Dev 104


pull1D
Entries 55
Mean −0.03442
Std Dev 0.9313


cor_sam5_rms vs run
χ² / ndf 8866 / 54
p0 1751 ± 1.708
2300
2200
2100
2000
1900
1800
1700
1600
1500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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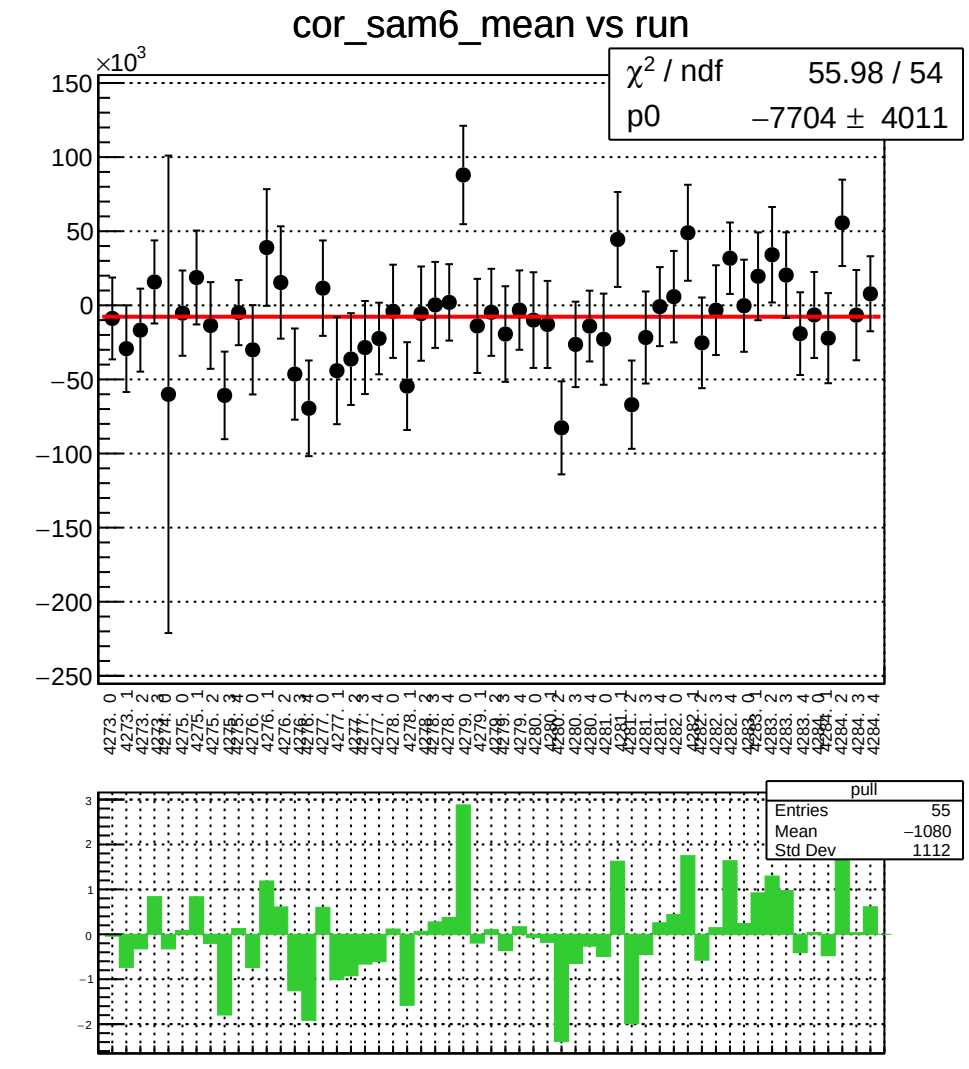
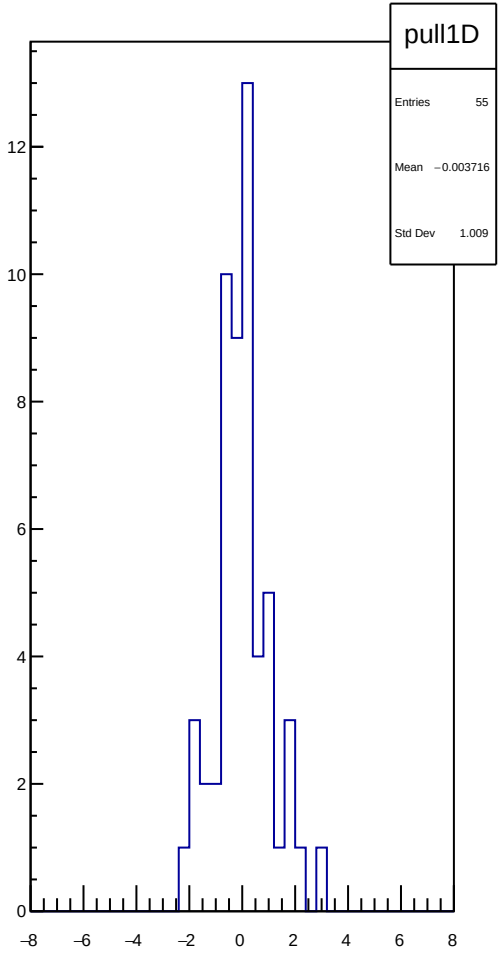
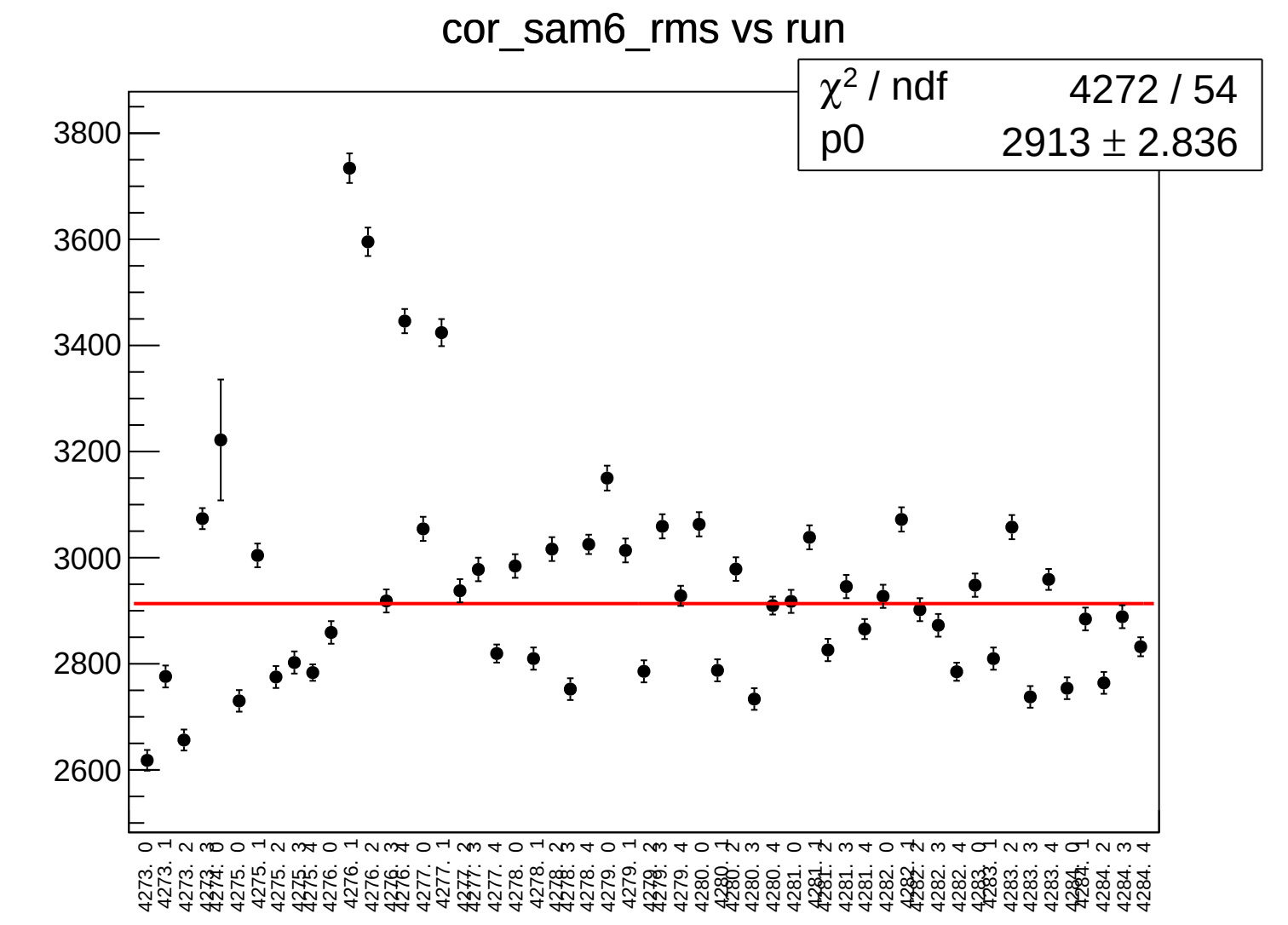
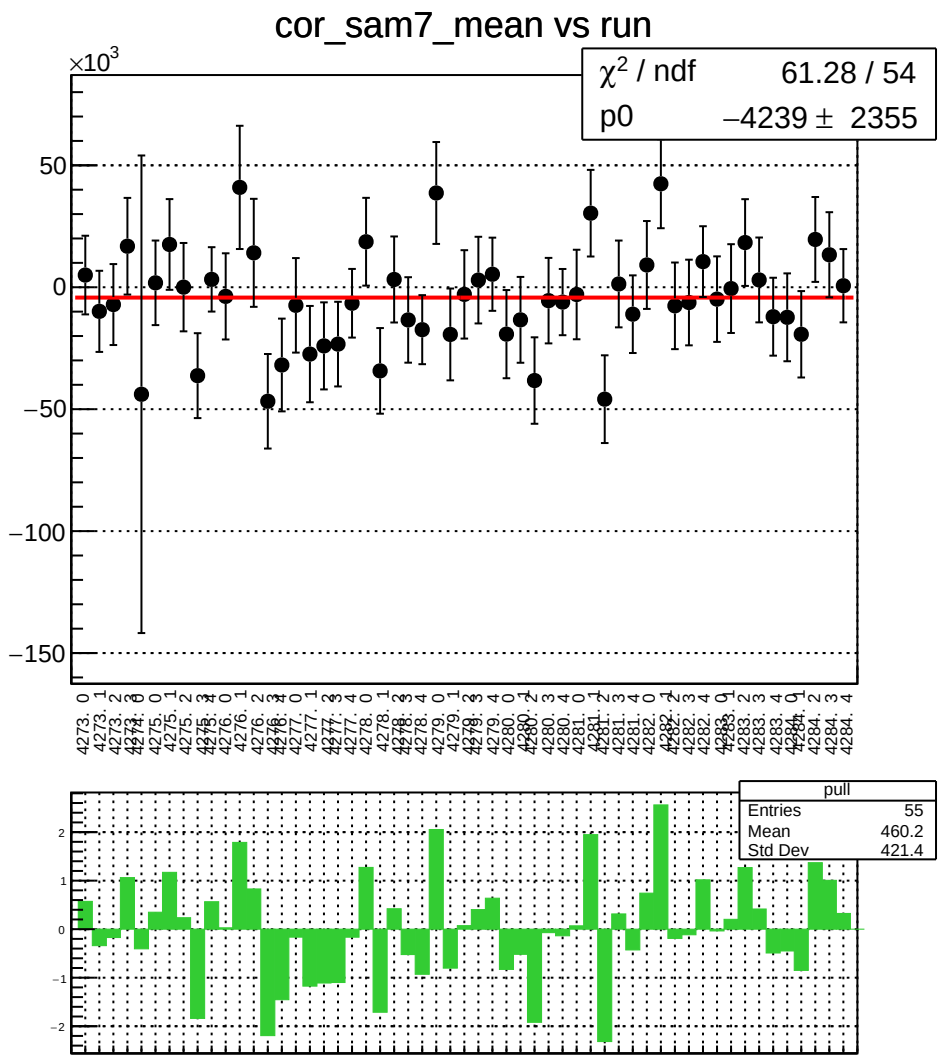
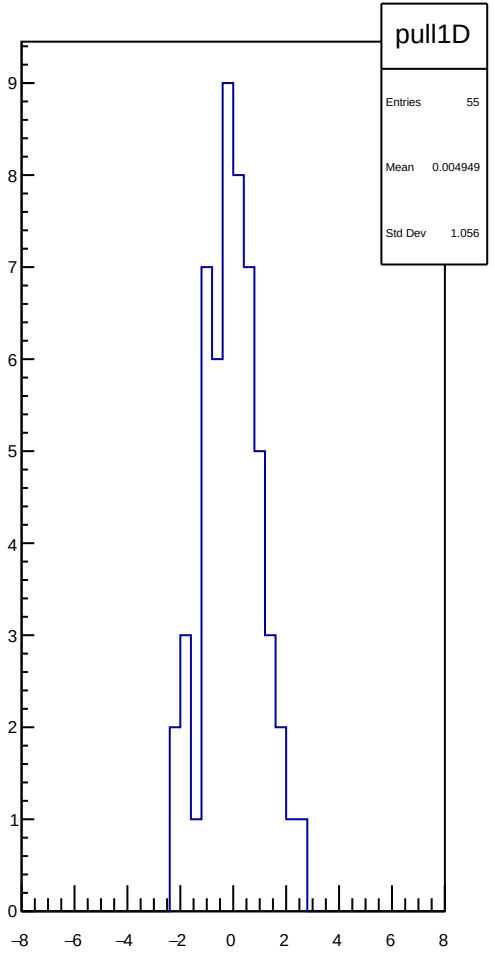
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

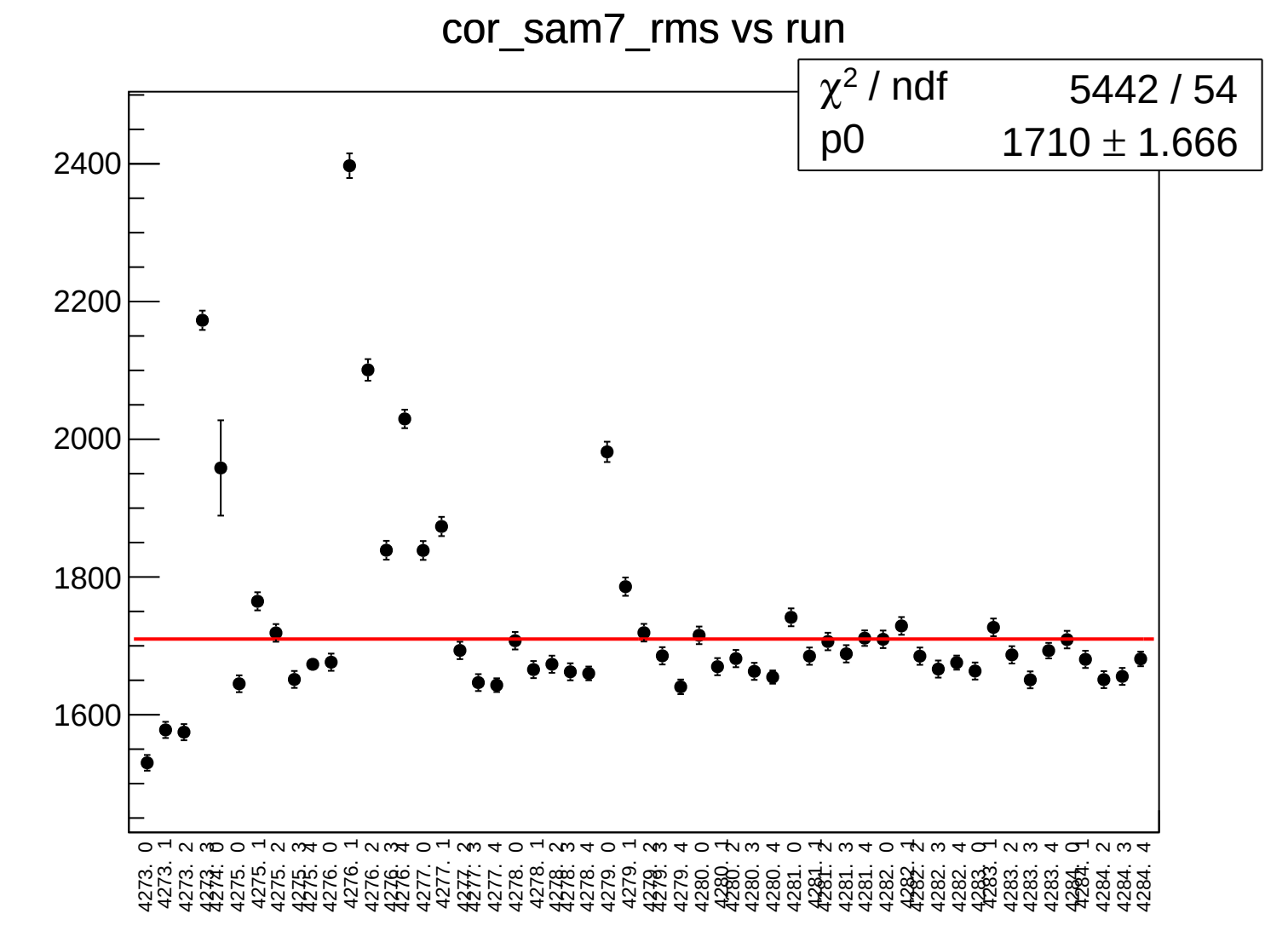

cor_sam6_mean vs run
×10^3
χ² / ndf 55.98 / 54
p0 −7704 ± 4011
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 55
Mean −1080
Std Dev 1112
3
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.003716
Std Dev 1.009
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_sam6_rms vs run
χ² / ndf 4272 / 54
p0 2913 ± 2.836
3800
3600
3400
3200
3000
2800
2600
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


cor_sam7_mean vs run
×10^3
χ² / ndf 61.28 / 54
p0 −4239 ± 2355
50
0
−50
−100
−150
pull
Entries 55
Mean 460.2
Std Dev 421.4
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.004949
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_sam7_rms vs run
χ² / ndf 5442 / 54
p0 1710 ± 1.666
2400
2200
2000
1800
1600
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
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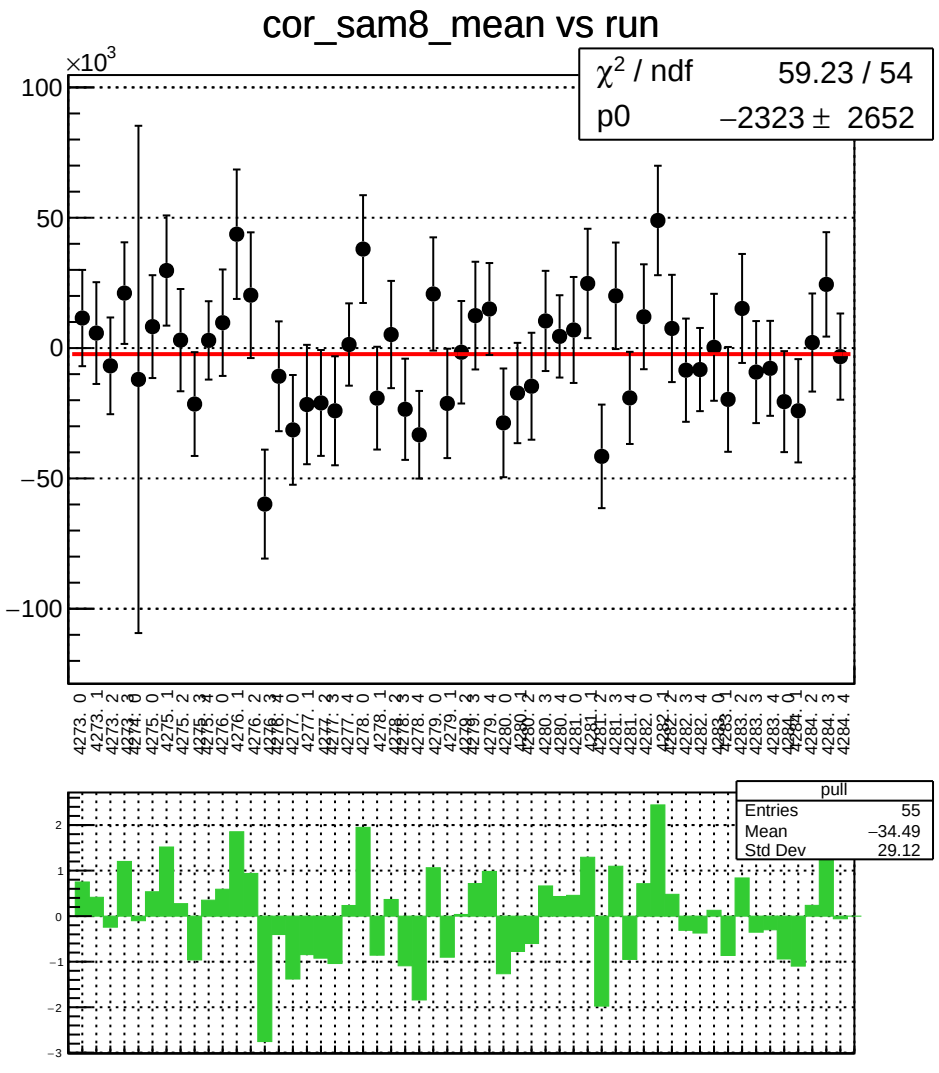
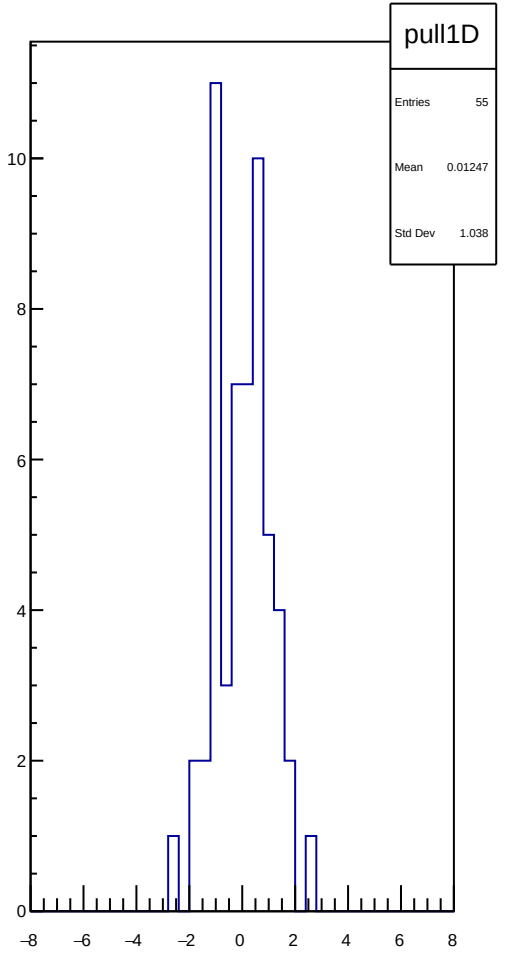
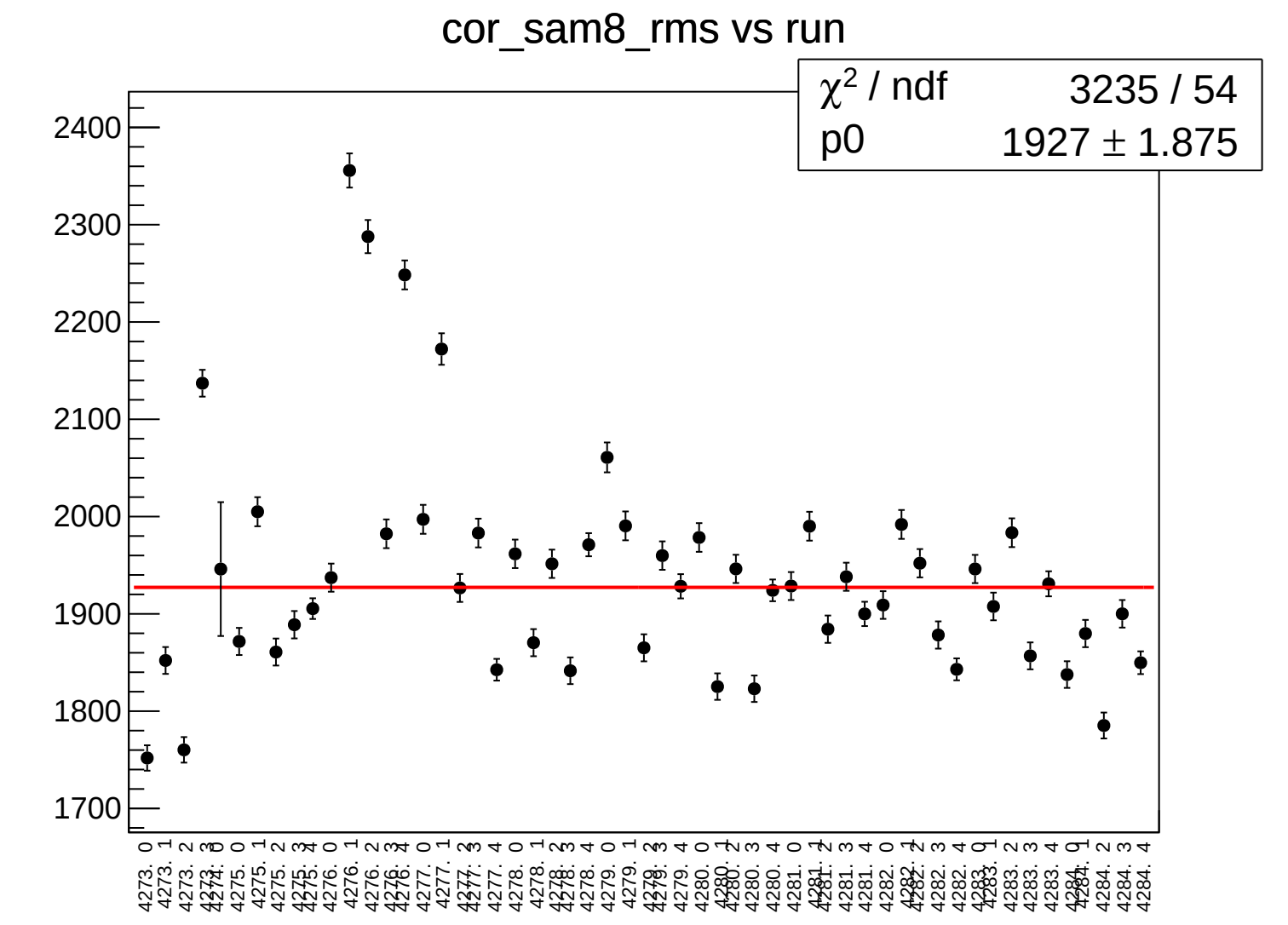
4284. 1
4284. 2
4284. 3
4284. 4


cor_sam8_mean vs run
×10^3
χ² / ndf 59.23 / 54
p0 −2323 ± 2652
100
50
0
−50
−100
pull
Entries 55
Mean −34.49
Std Dev 29.12
2
1
0
−1
−2
−3


pull1D
Entries 55
Mean 0.01247
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_sam8_rms vs run
χ² / ndf 3235 / 54
p0 1927 ± 1.875
2400
2300
2200
2100
2000
1900
1800
1700
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
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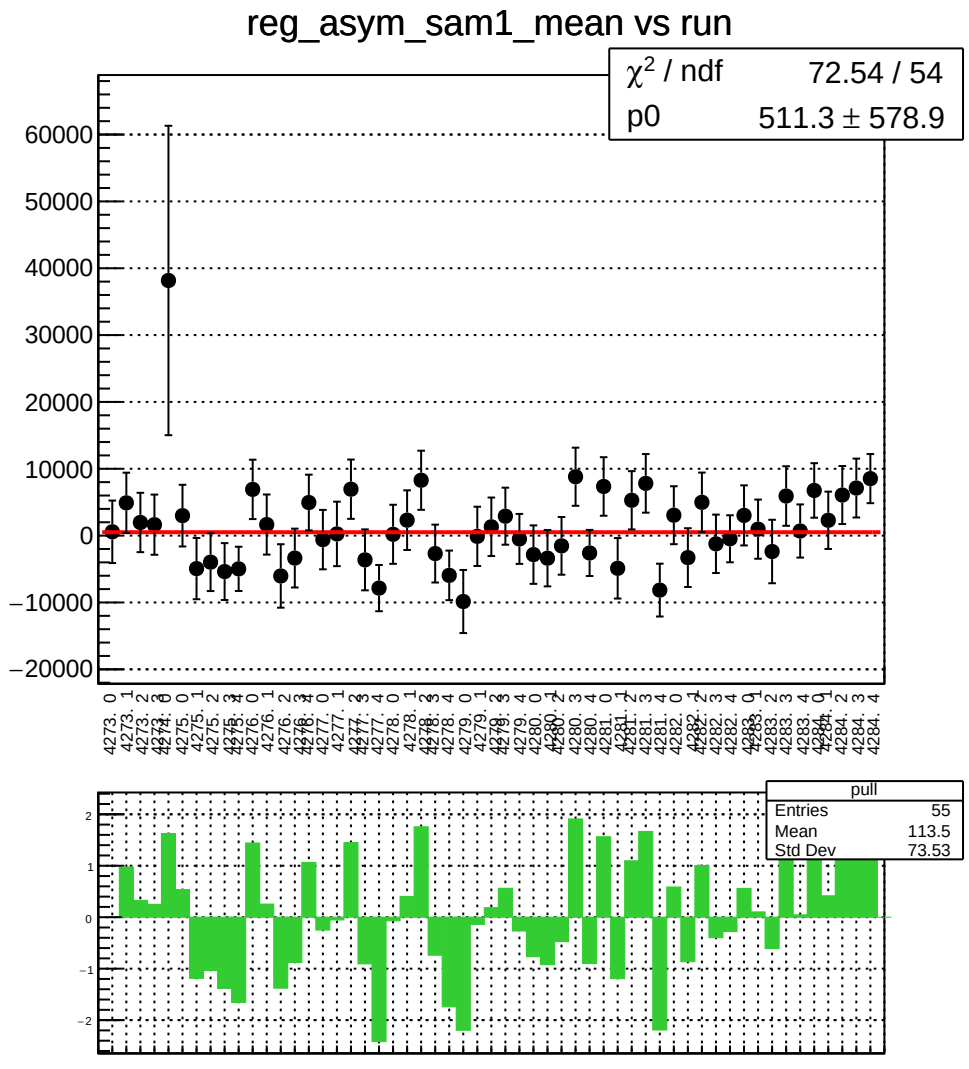
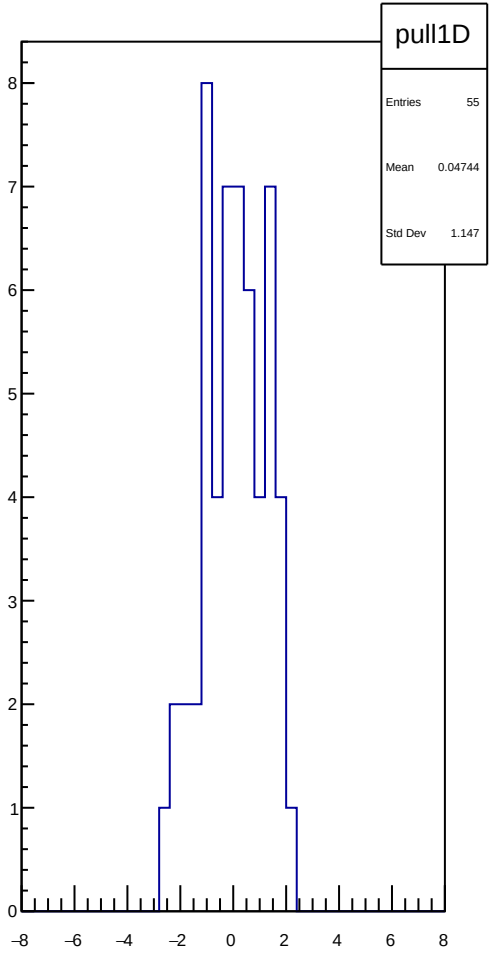
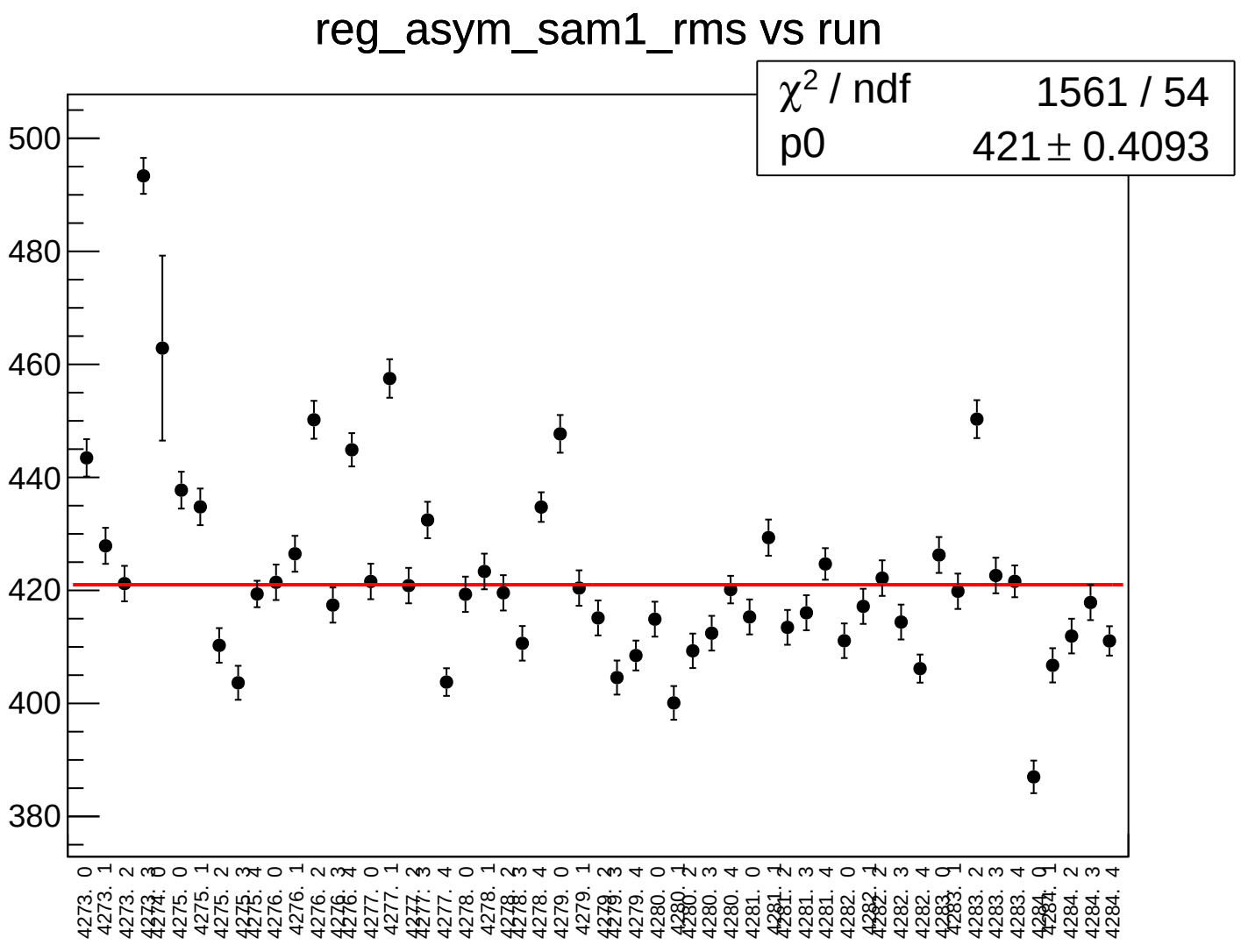
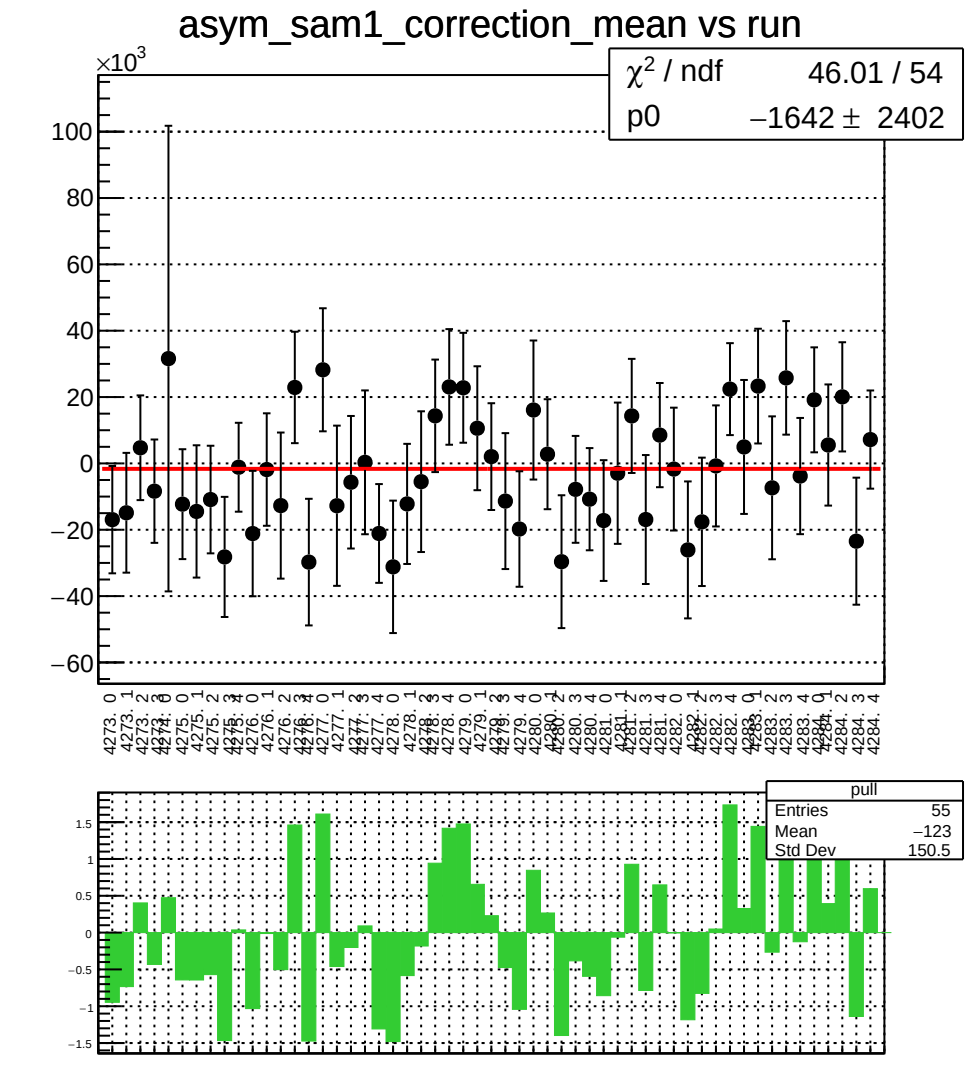
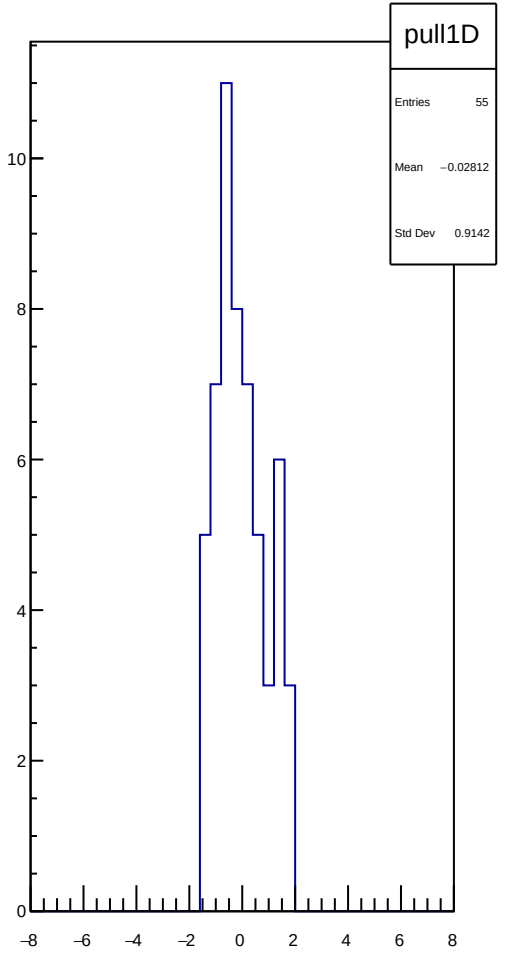
4284. 1
4284. 2
4284. 3
4284. 4

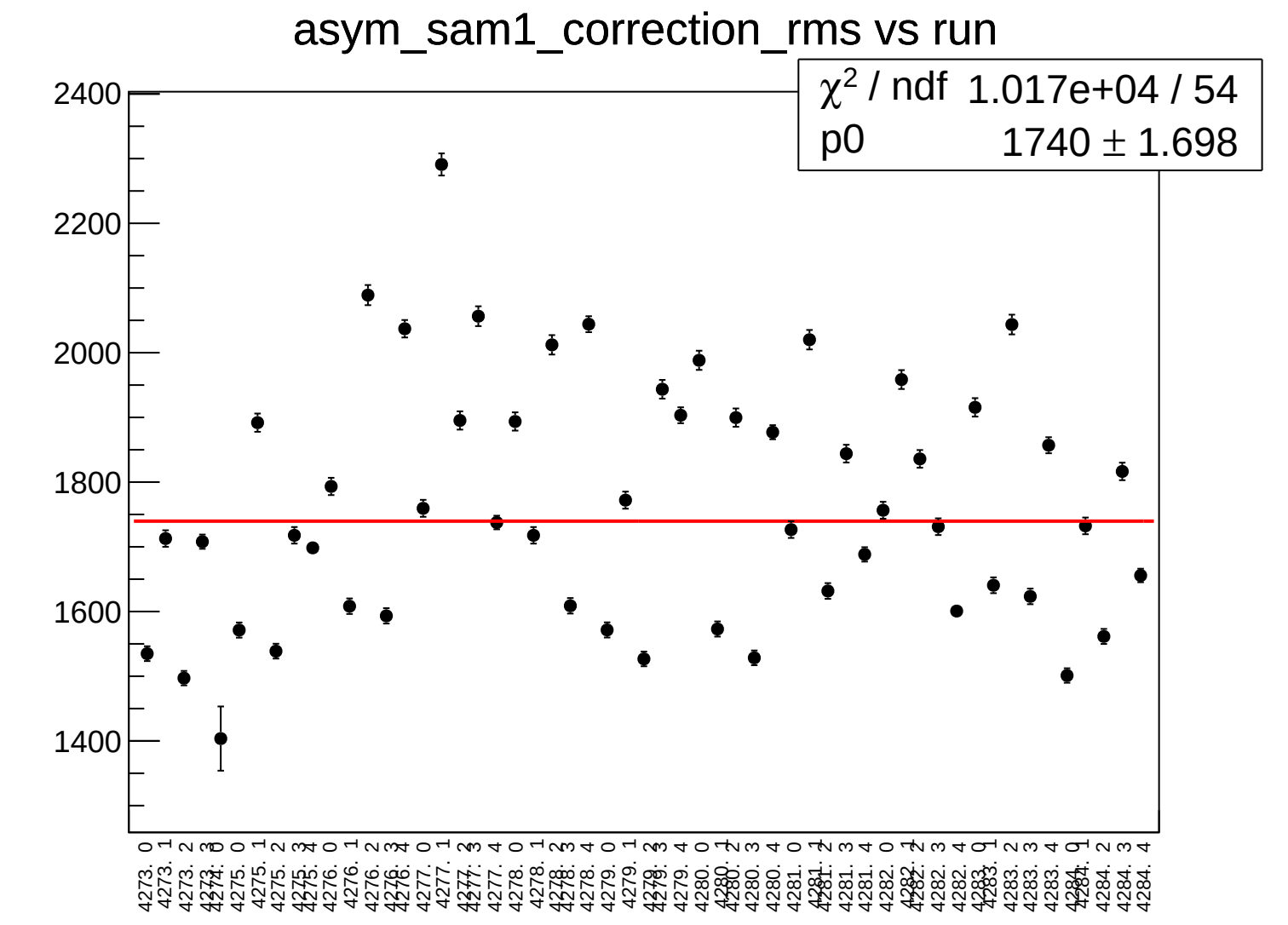

reg_asym_sam1_mean vs run
χ² / ndf 72.54 / 54
p0 511.3 ± 578.9
pull
Entries 55
Mean 113.5
Std Dev 73.53

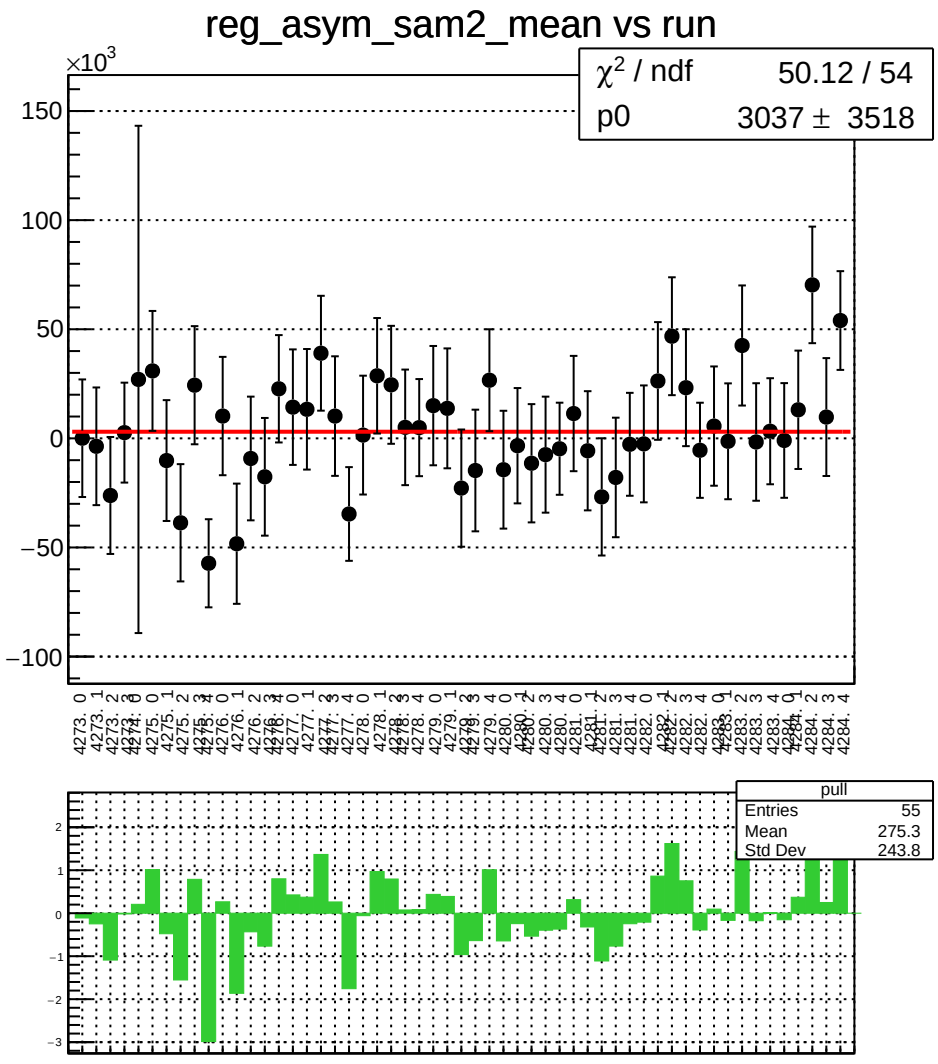

pull1D
Entries 55
Mean 0.04744
Std Dev 1.147

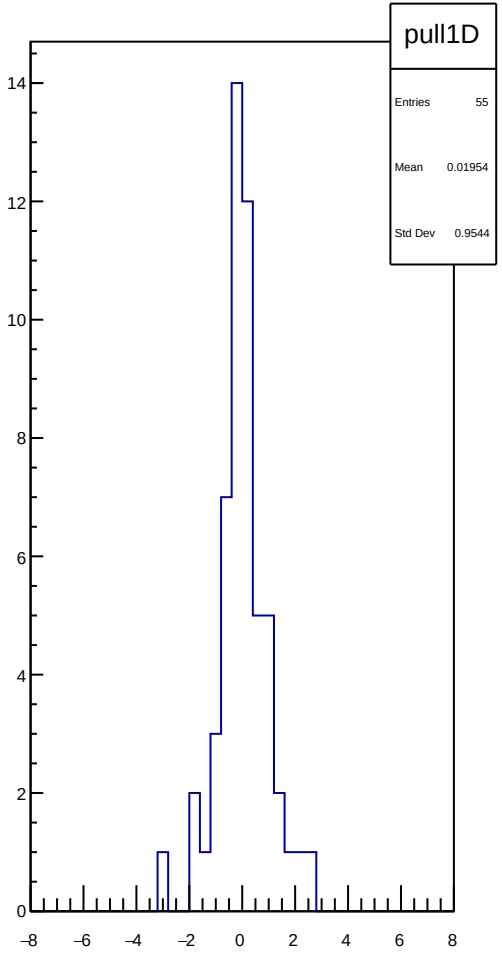

reg_asym_sam1_rms vs run
χ² / ndf 1561 / 54
p0 421 ± 0.4093
500
480
460
440
420
400
380

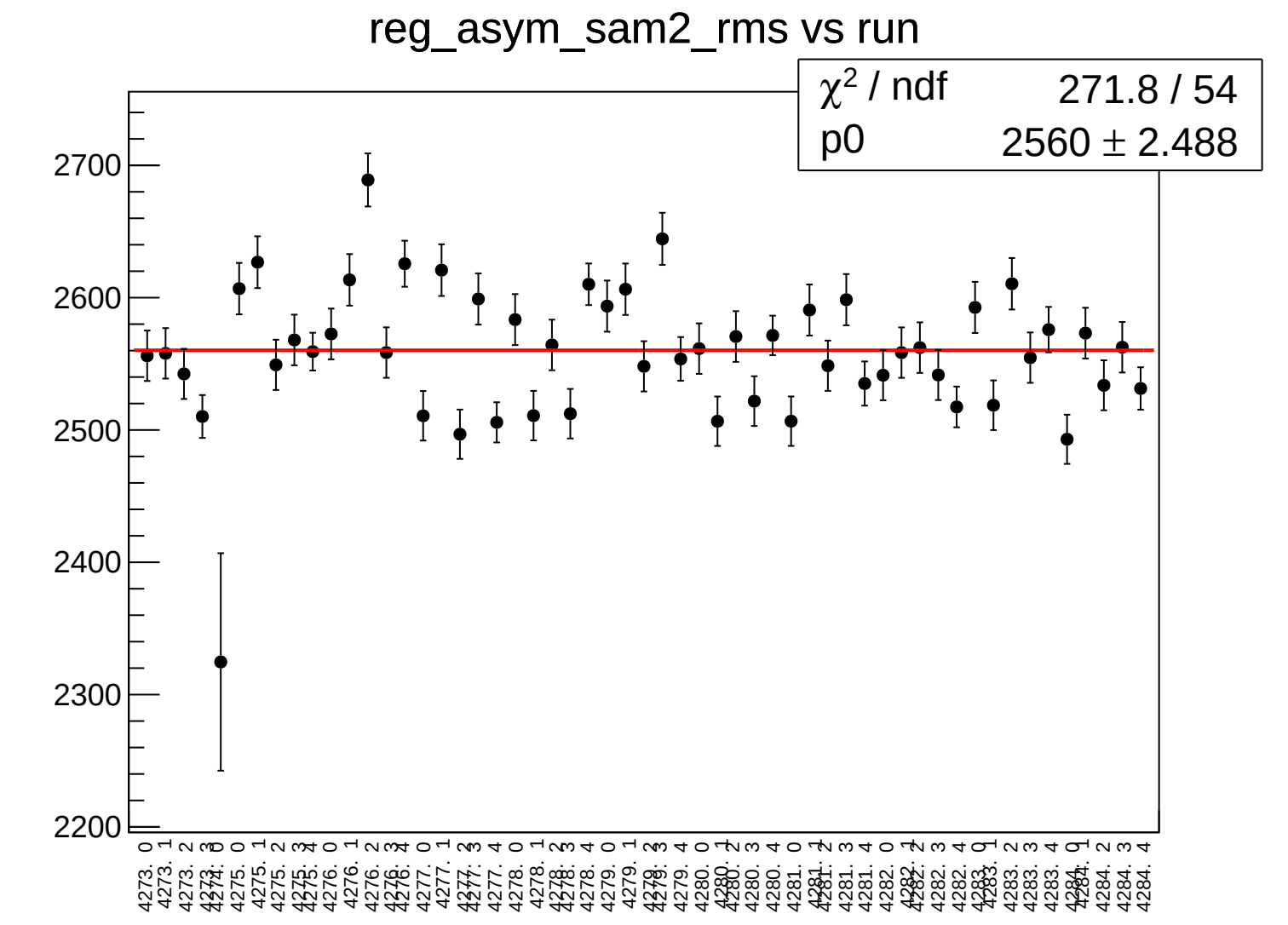

asym_sam1_correction_mean vs run
×10^3
χ² / ndf 46.01 / 54
p0 −1642 ± 2402
pull
Entries 55
Mean −123
Std Dev 150.5

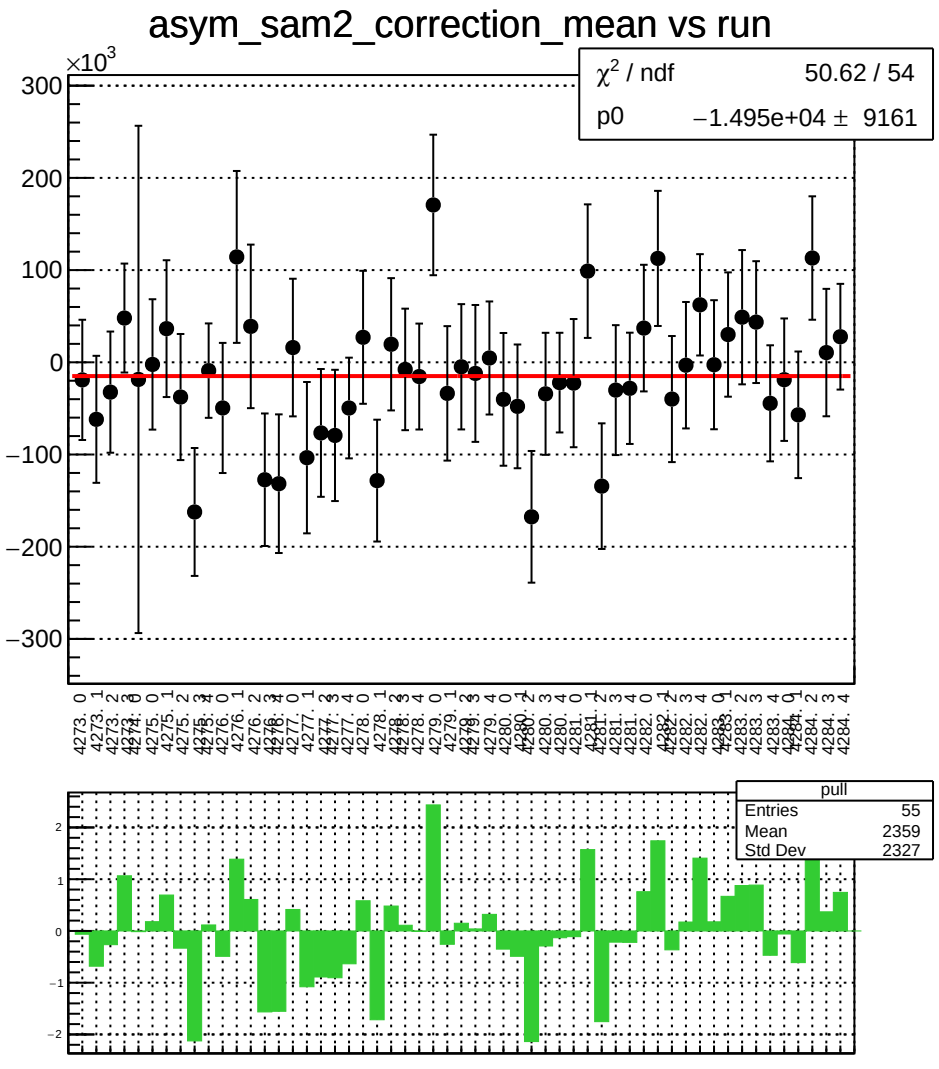

pull1D
Entries 55
Mean −0.02812
Std Dev 0.9142

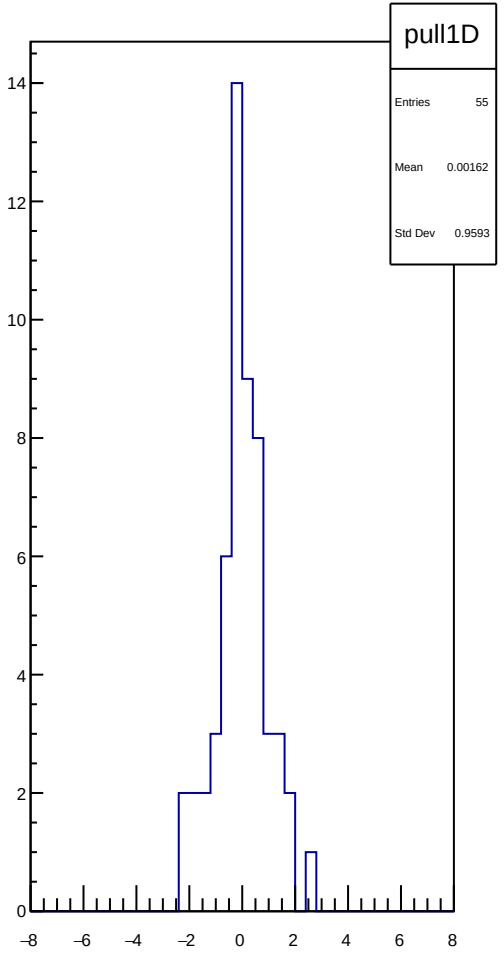

asym_sam1_correction_rms vs run
χ² / ndf 1.017e+04 / 54
p0 1740 ± 1.698
2400
2200
2000
1800
1600
1400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

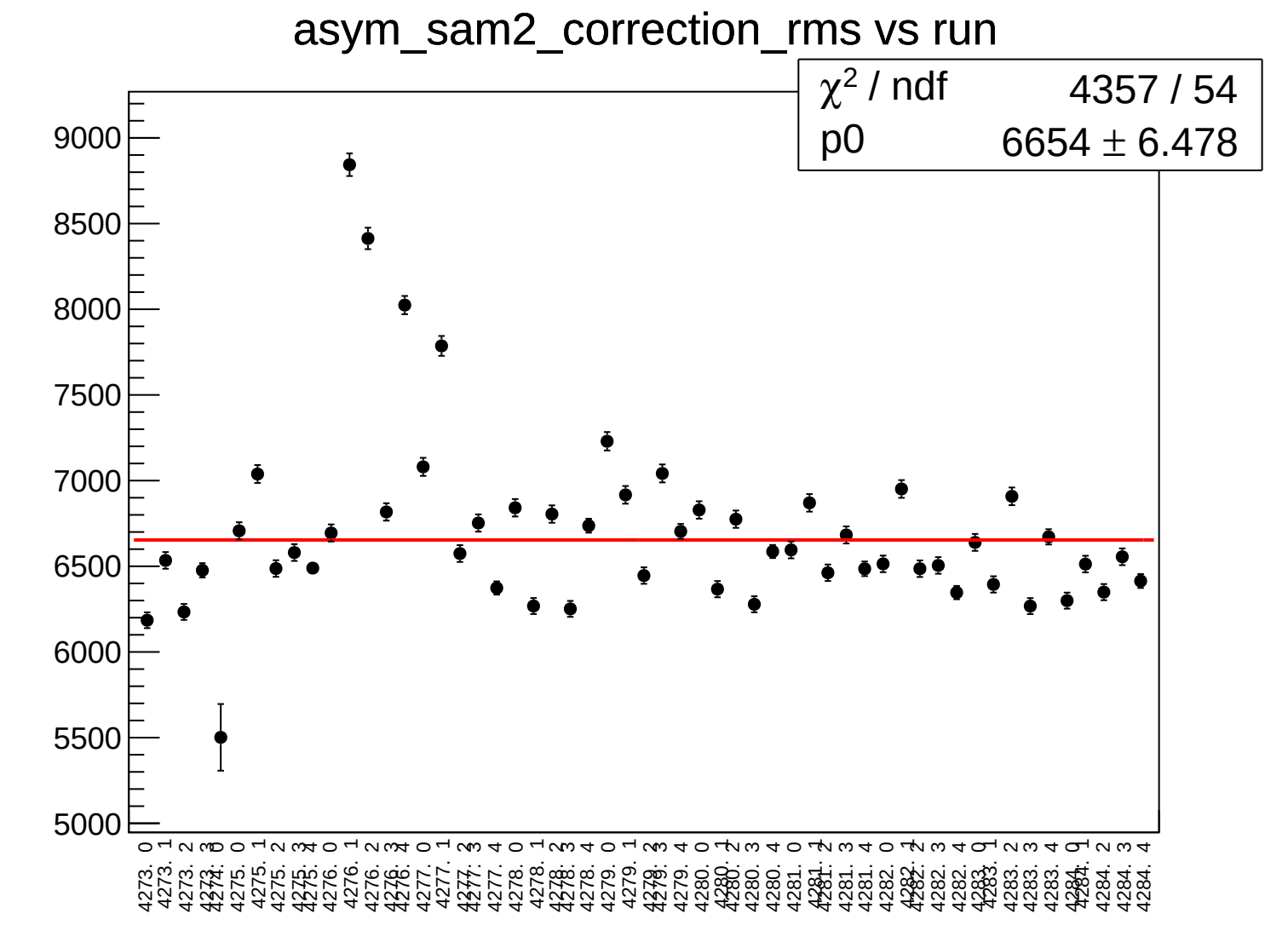

reg_asym_sam2_mean vs run
×10^3
χ^2 / ndf 50.12 / 54
p0 3037 ± 3518
150
100
50
0
−50
−100
pull
Entries 55
Mean 275.3
Std Dev 243.8
2
1
0
−1
−2
−3


pull1D
Entries 55
Mean 0.01954
Std Dev 0.9544
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam2_rms vs run
χ² / ndf 271.8 / 54
p0 2560 ± 2.488
2700
2600
2500
2400
2300
2200
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam2_correction_mean vs run
×10^3
χ² / ndf 50.62 / 54
p0 −1.495e+04 ± 9161
pull
Entries 55
Mean 2359
Std Dev 2327


pull1D
Entries 55
Mean 0.00162
Std Dev 0.9593


asym_sam2_correction_rms vs run
χ² / ndf 4357 / 54
p0 6654 ± 6.478
9000
8500
8000
7500
7000
6500
6000
5500
5000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
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4277. 2
4277. 3
4277. 4
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4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
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4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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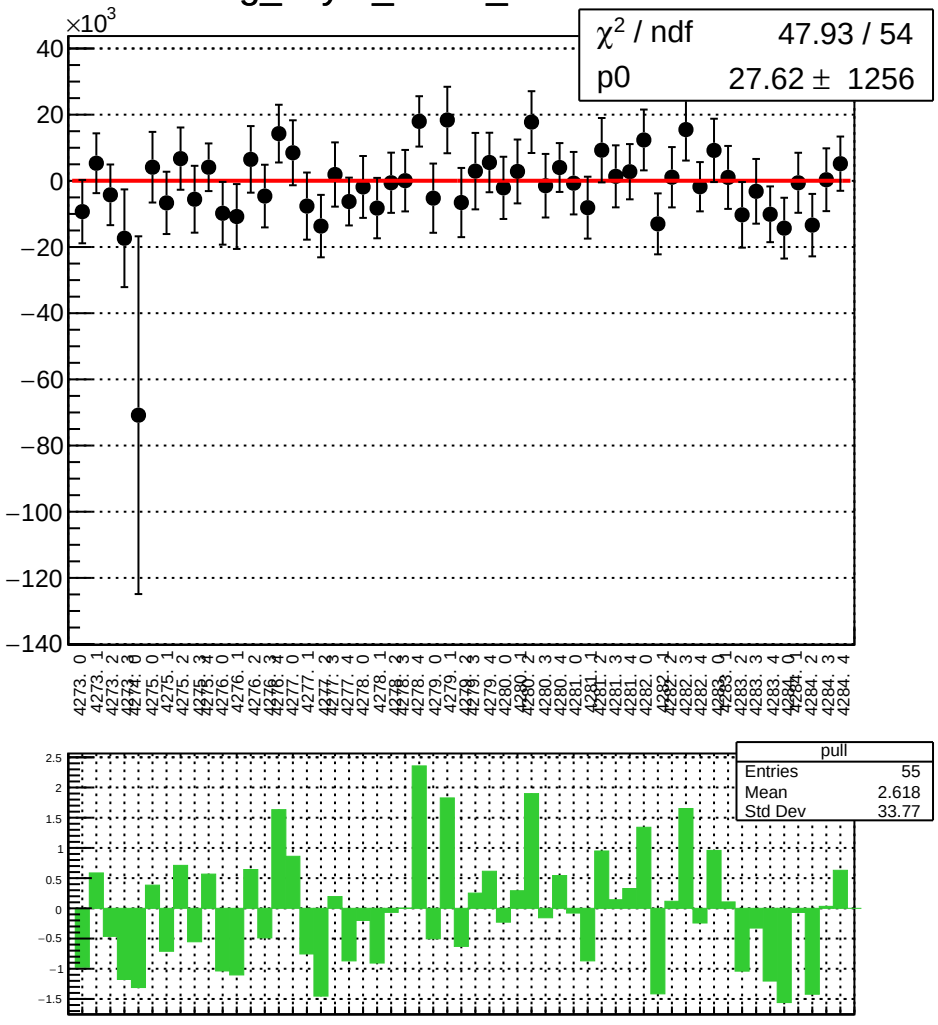
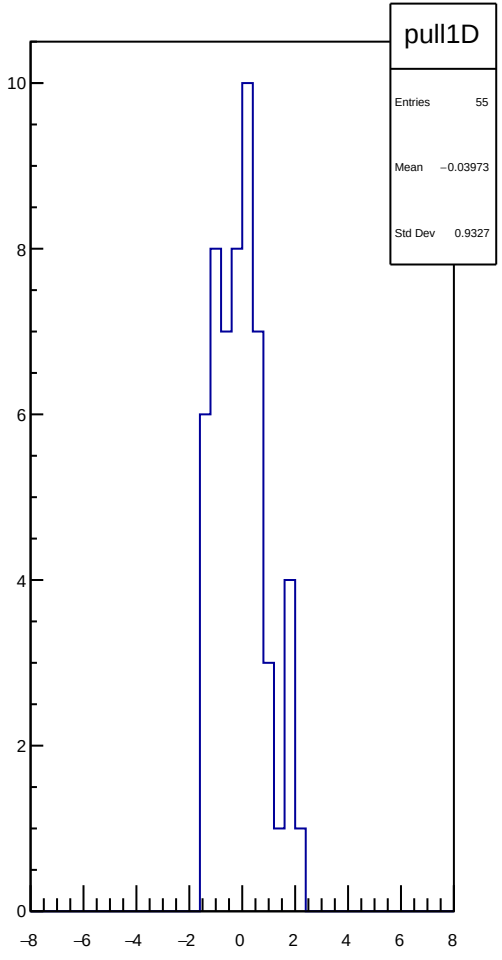
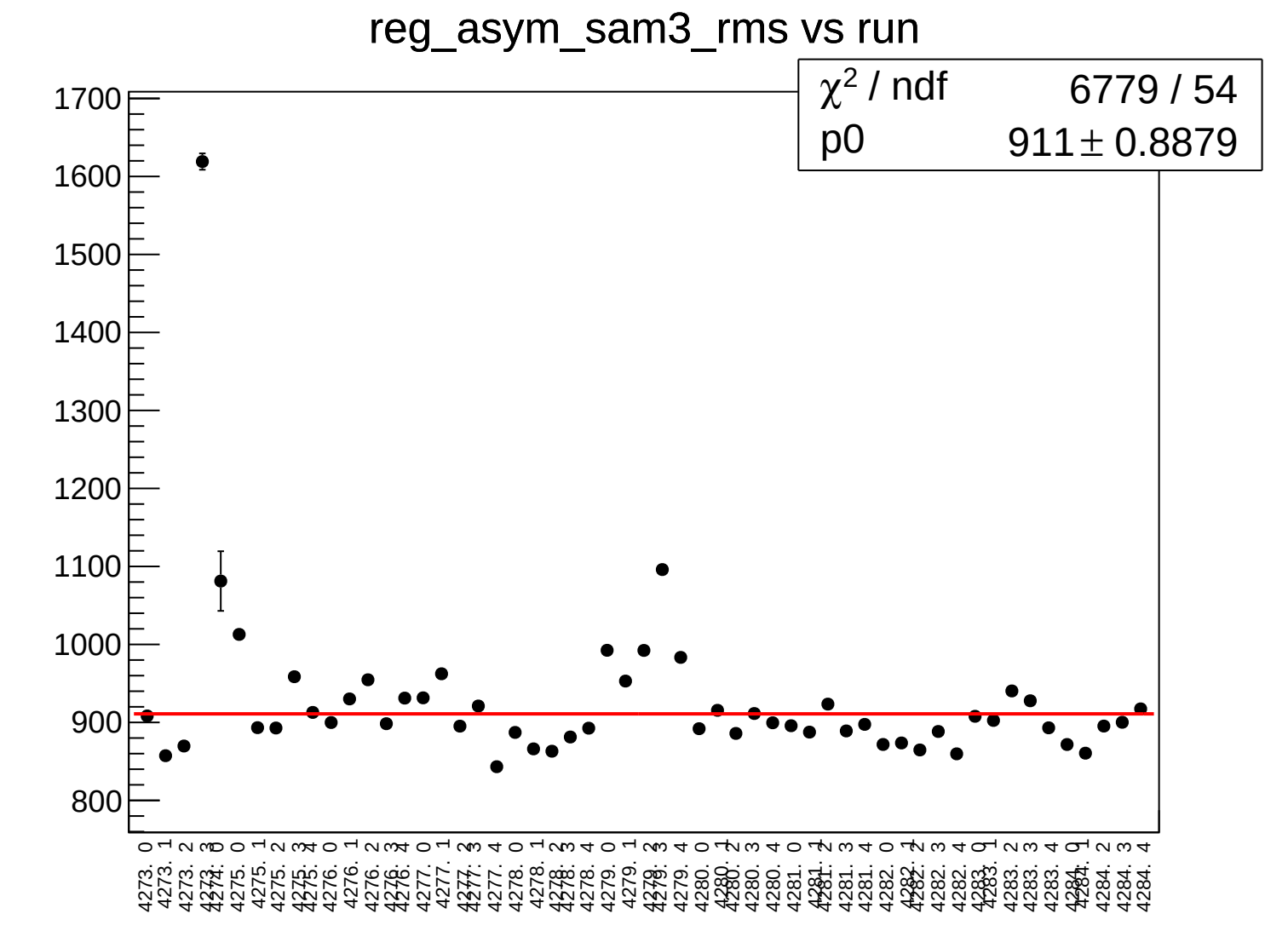
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_sam3_mean vs run
×10^3
χ^2 / ndf 47.93 / 54
p0 27.62 ± 1256
pull
Entries 55
Mean 2.618
Std Dev 33.77


pull1D
Entries 55
Mean −0.03973
Std Dev 0.9327


reg_asym_sam3_rms vs run
χ² / ndf 6779 / 54
p0 911 ± 0.8879
1700
1600
1500
1400
1300
1200
1100
1000
900
800
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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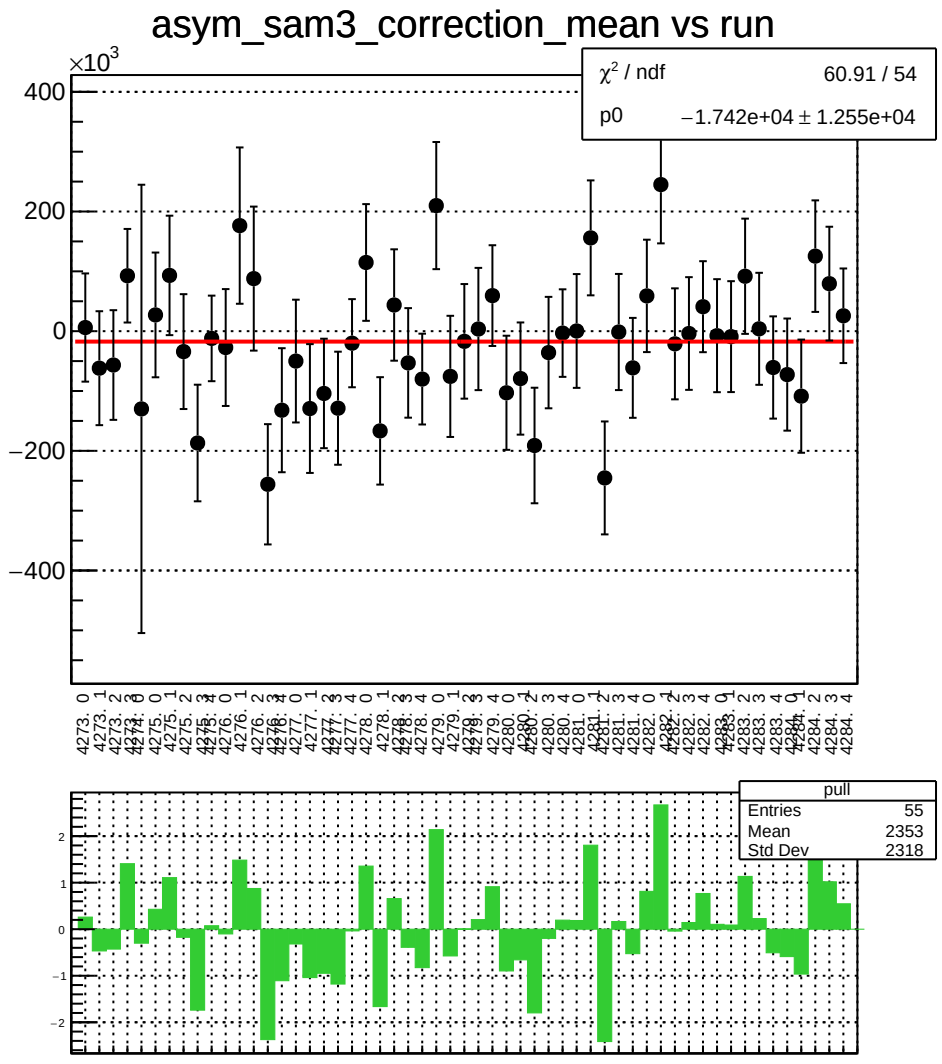
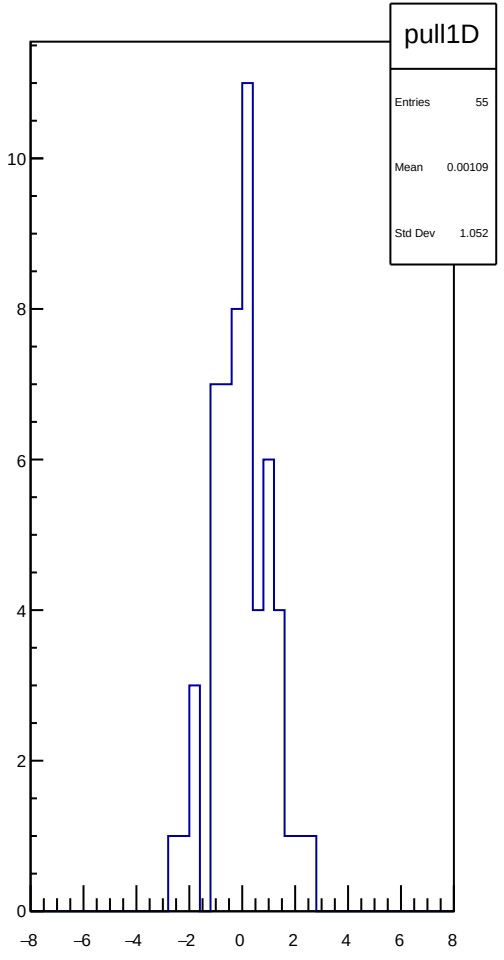
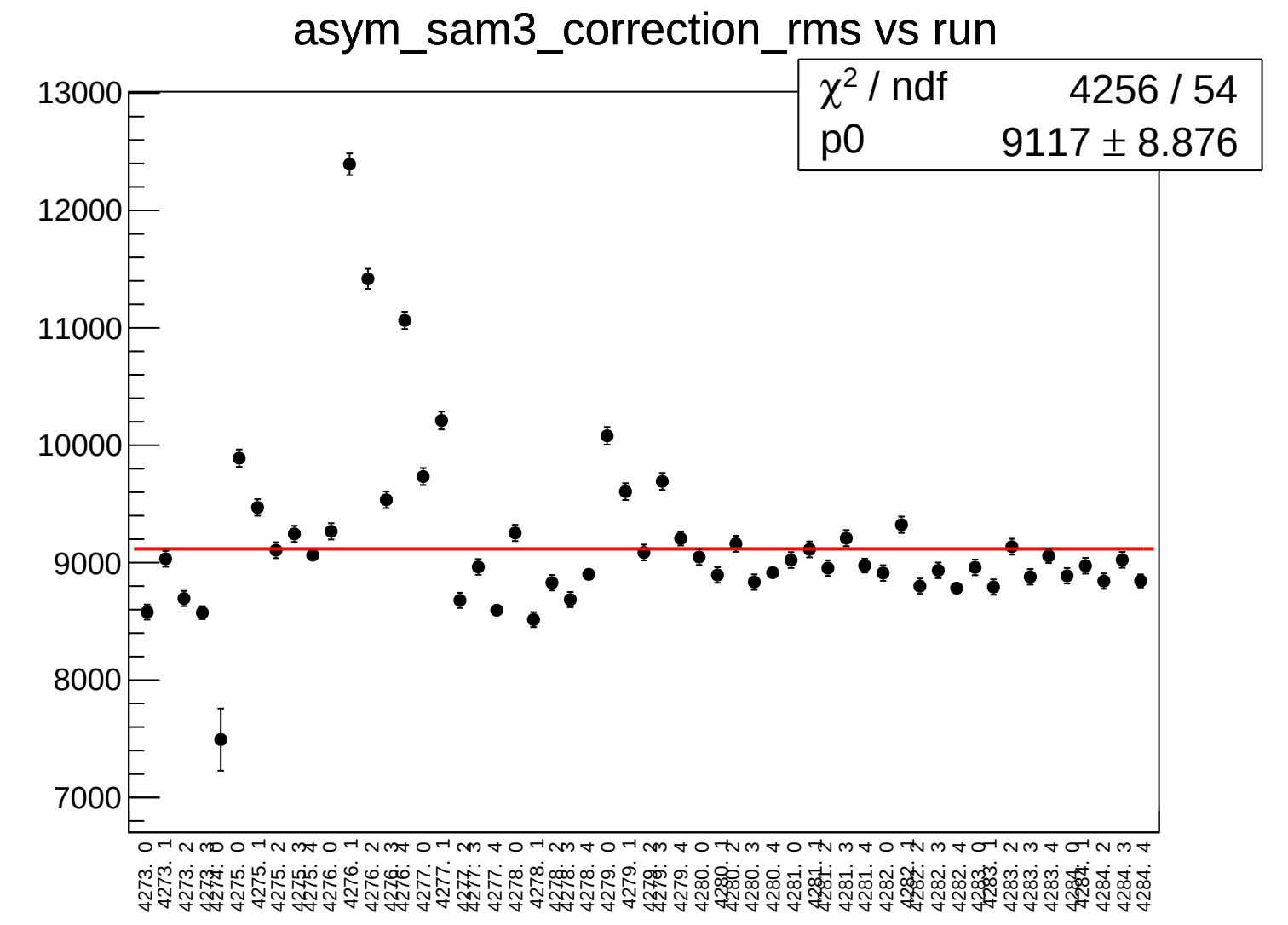
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam3_correction_mean vs run
×10^3
400
200
0
−200
−400
χ² / ndf 60.91 / 54
p0 −1.742e+04 ± 1.255e+04
pull
Entries 55
Mean 2353
Std Dev 2318
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.00109
Std Dev 1.052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_correction_rms vs run
χ² / ndf 4256 / 54
p0 9117 ± 8.876
13000
12000
11000
10000
9000
8000
7000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
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4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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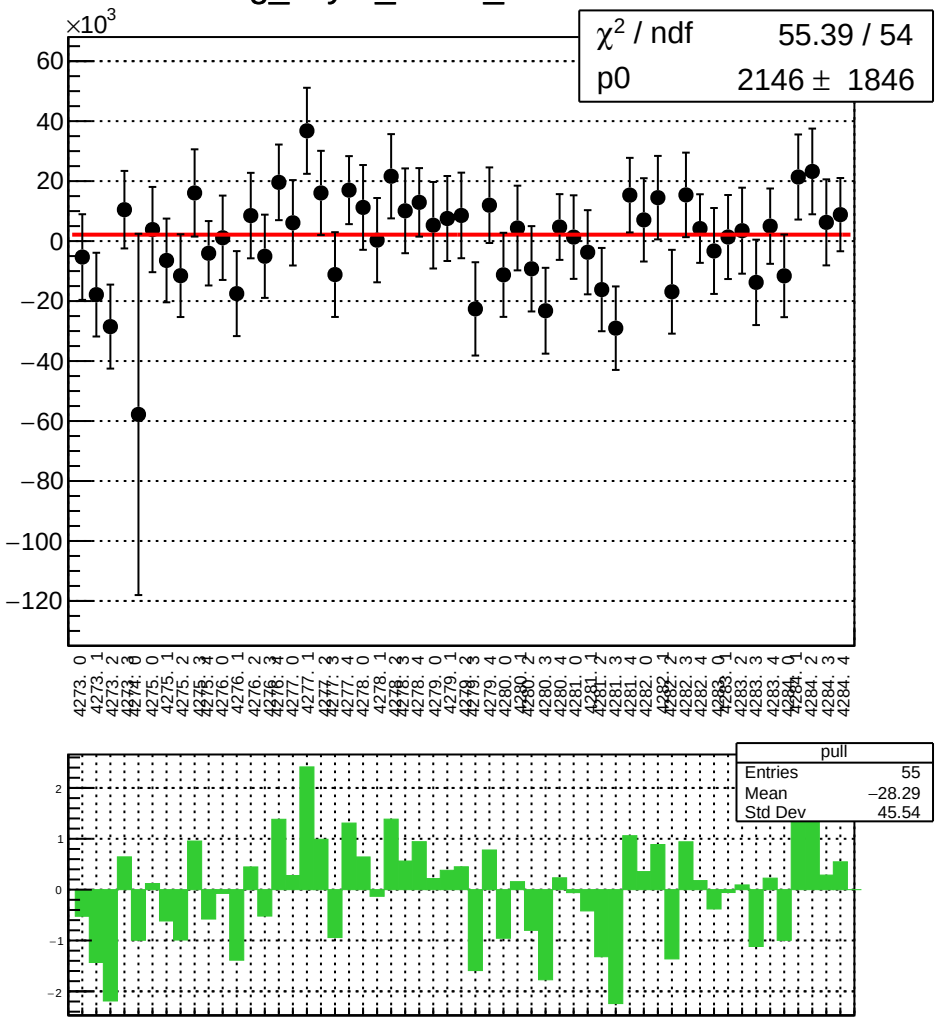
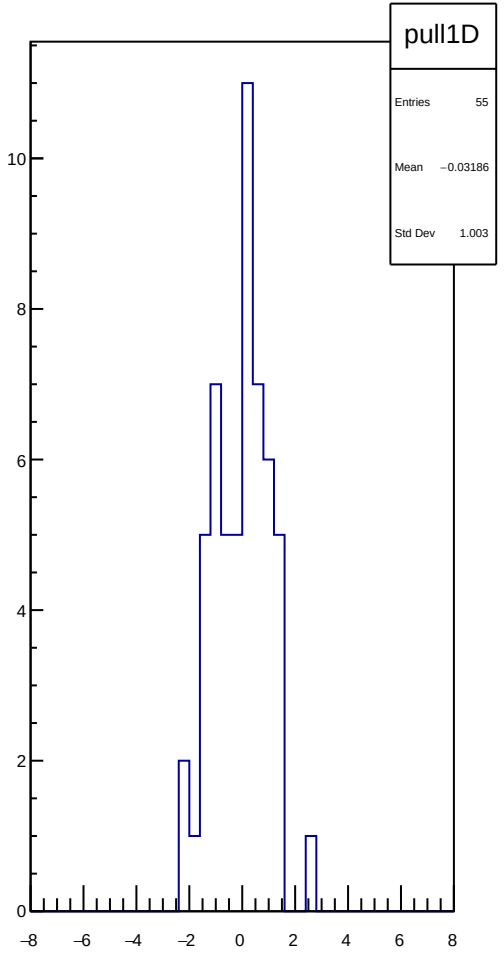
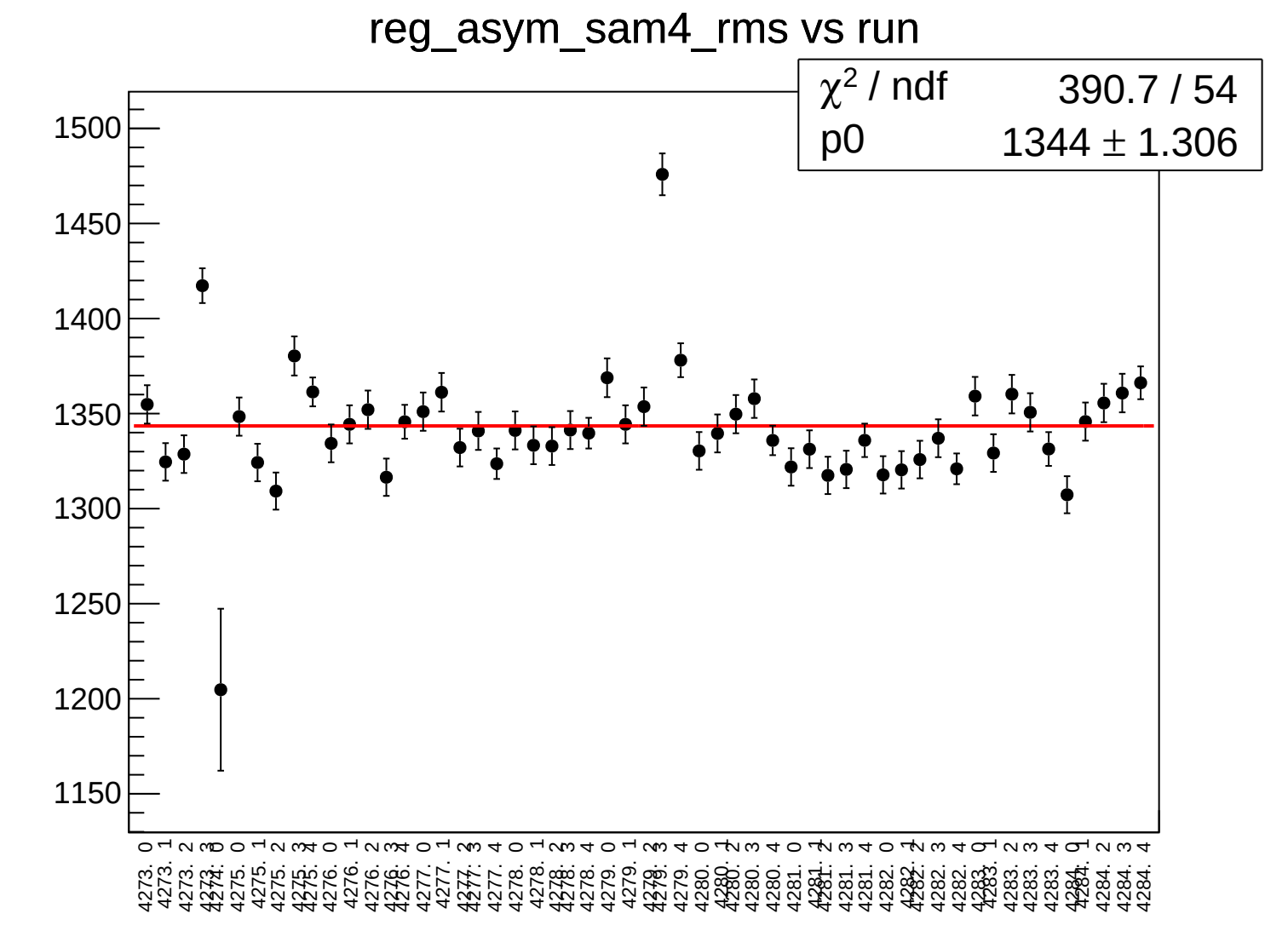
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_sam4_mean vs run
χ² / ndf 55.39 / 54
p0 2146 ± 1846
×10³
pull
Entries 55
Mean −28.29
Std Dev 45.54


pull1D
Entries 55
Mean −0.03186
Std Dev 1.003


reg_asym_sam4_rms vs run
χ² / ndf 390.7 / 54
p0 1344 ± 1.306
1500
1450
1400
1350
1300
1250
1200
1150
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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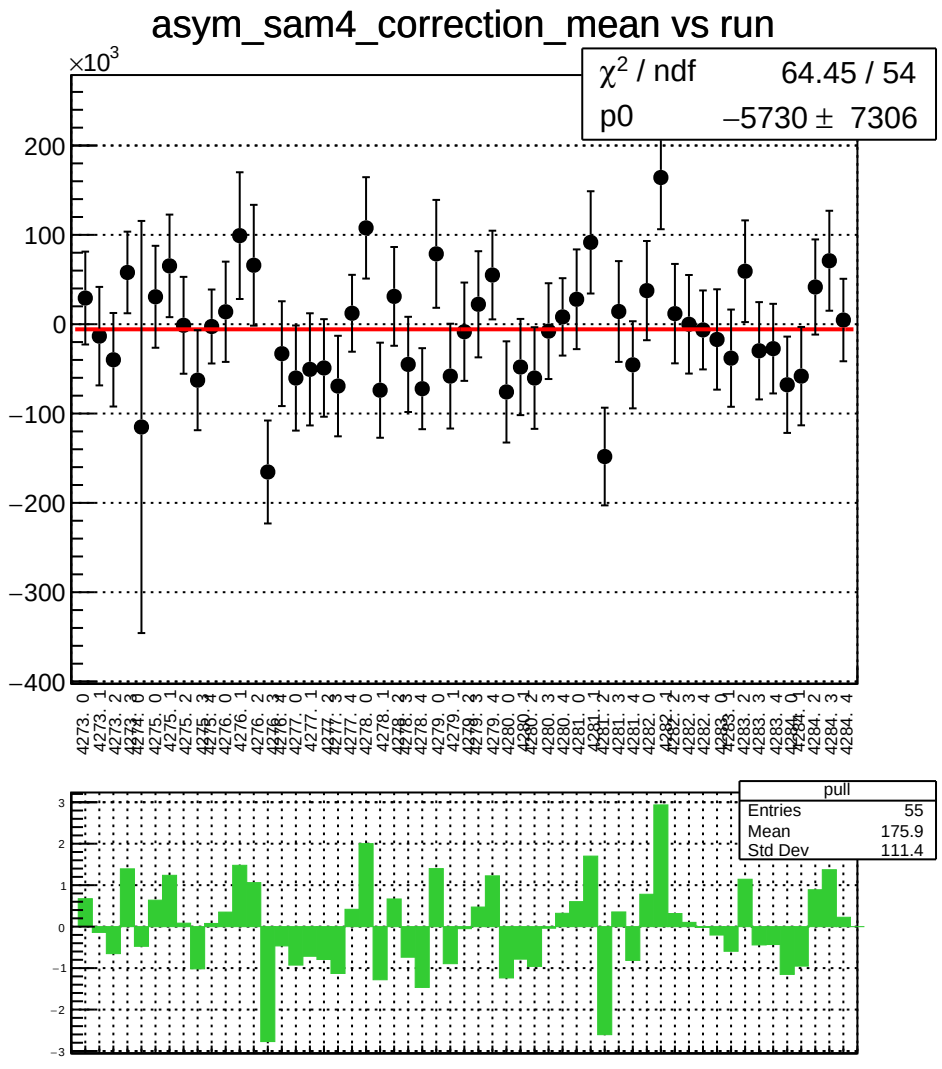
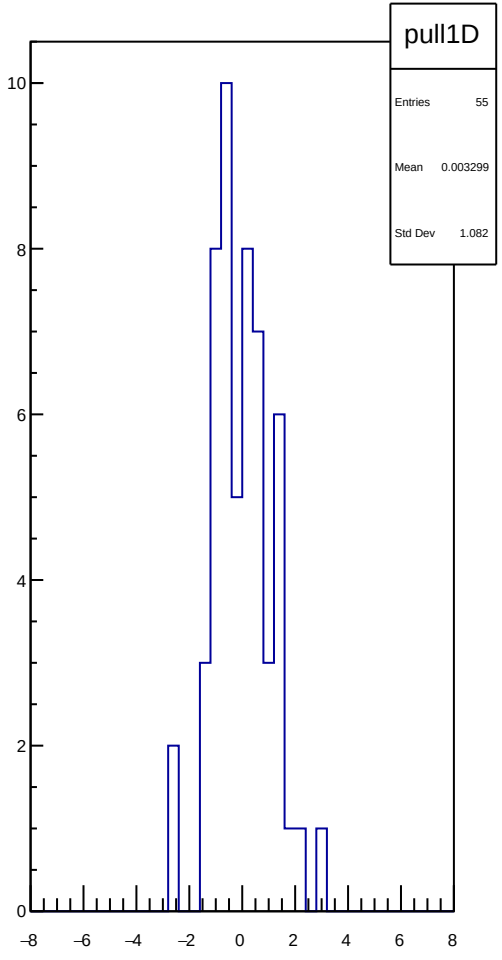
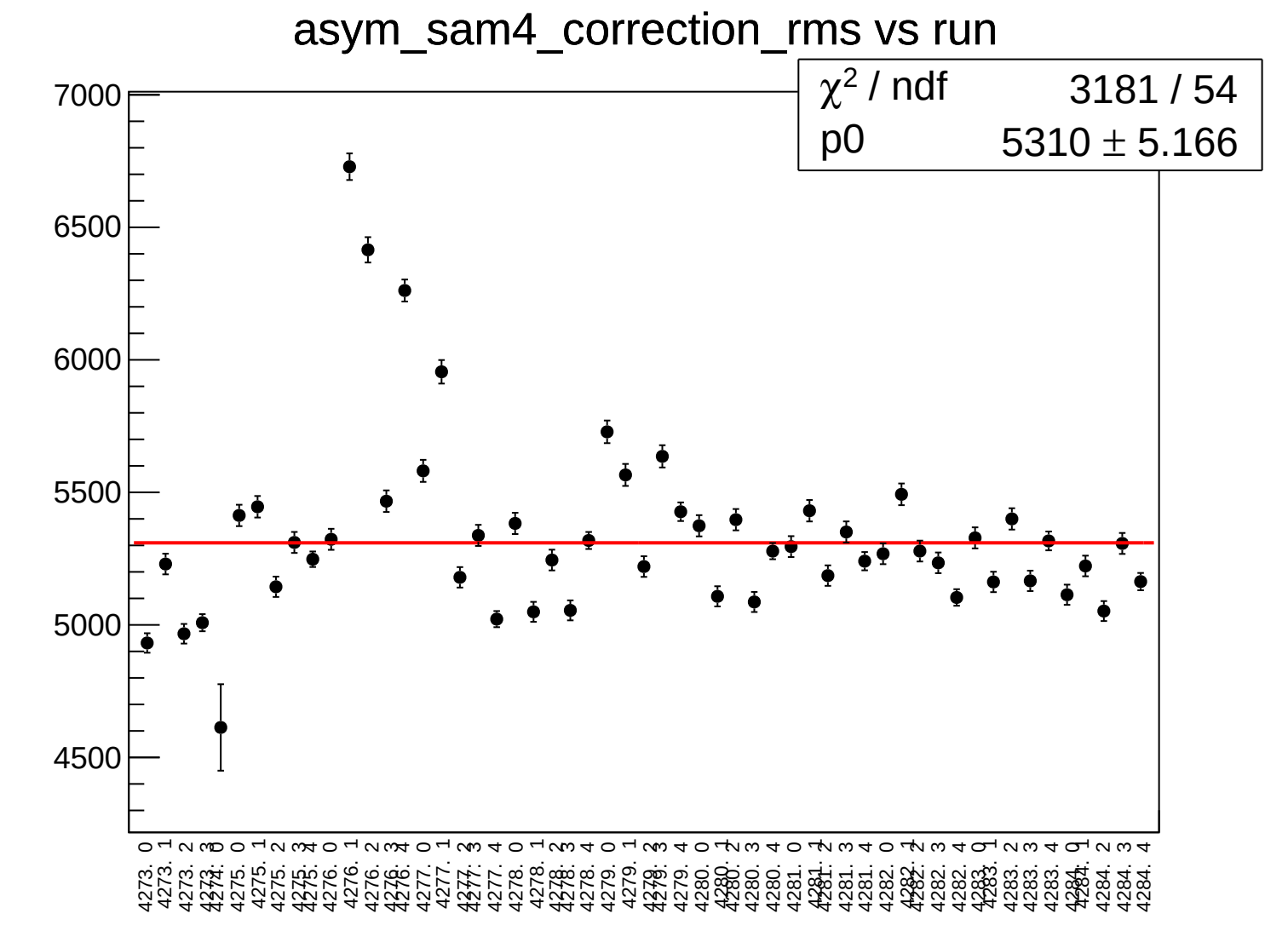
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam4_correction_mean vs run
×10^3
χ² / ndf 64.45 / 54
p0 −5730 ± 7306
200
100
0
−100
−200
−300
−400
pull
Entries 55
Mean 175.9
Std Dev 111.4
3
2
1
0
−1
−2
−3


pull1D
Entries 55
Mean 0.003299
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_correction_rms vs run
χ² / ndf 3181 / 54
p0 5310 ± 5.166
7000
6500
6000
5500
5000
4500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4277. 0
4277. 1
4277. 2
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4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
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4279. 4
4280. 0
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4282. 2
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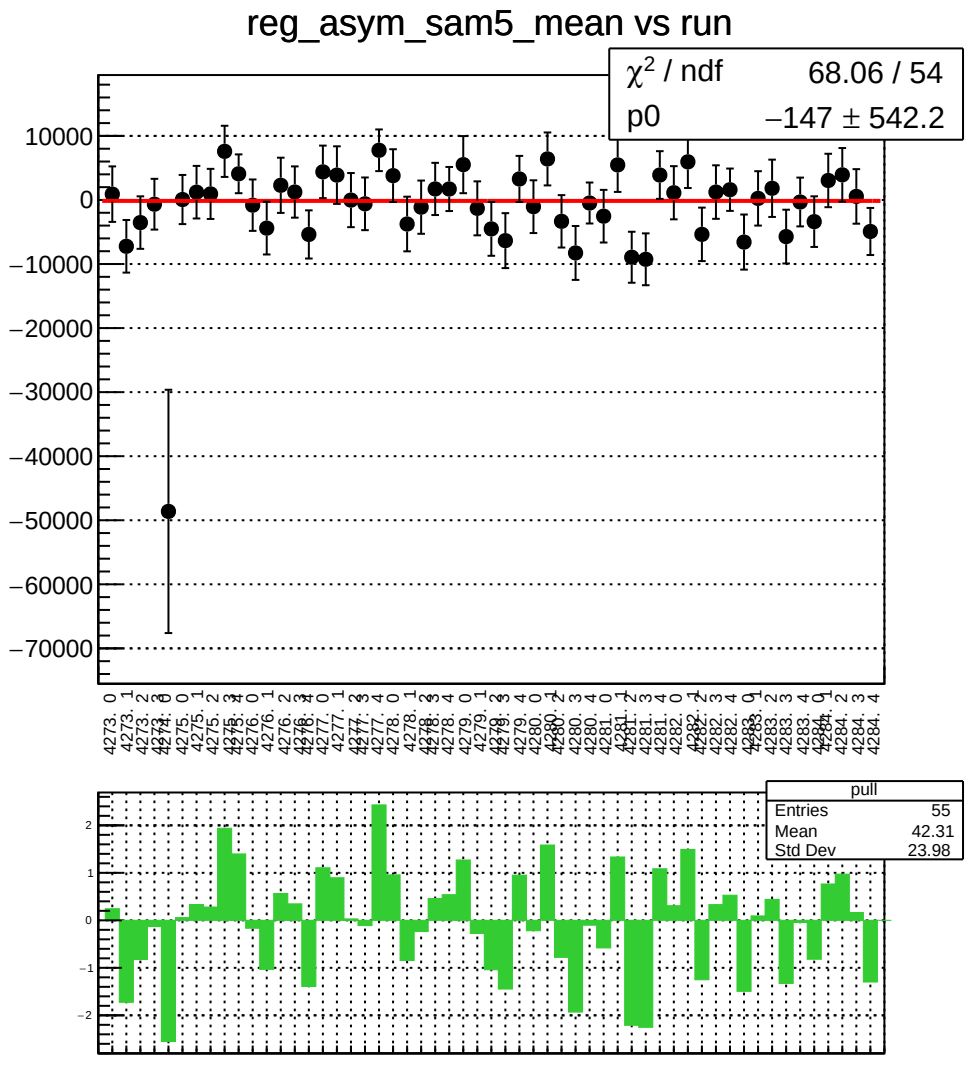
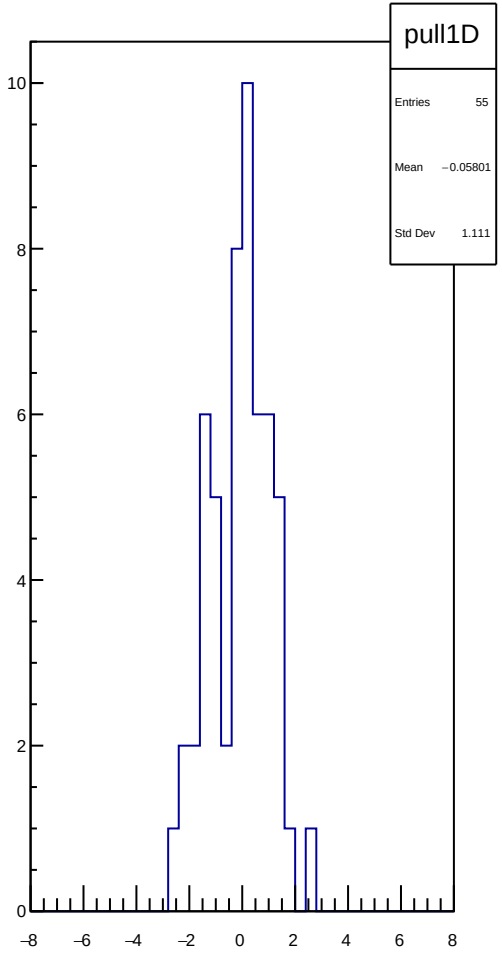
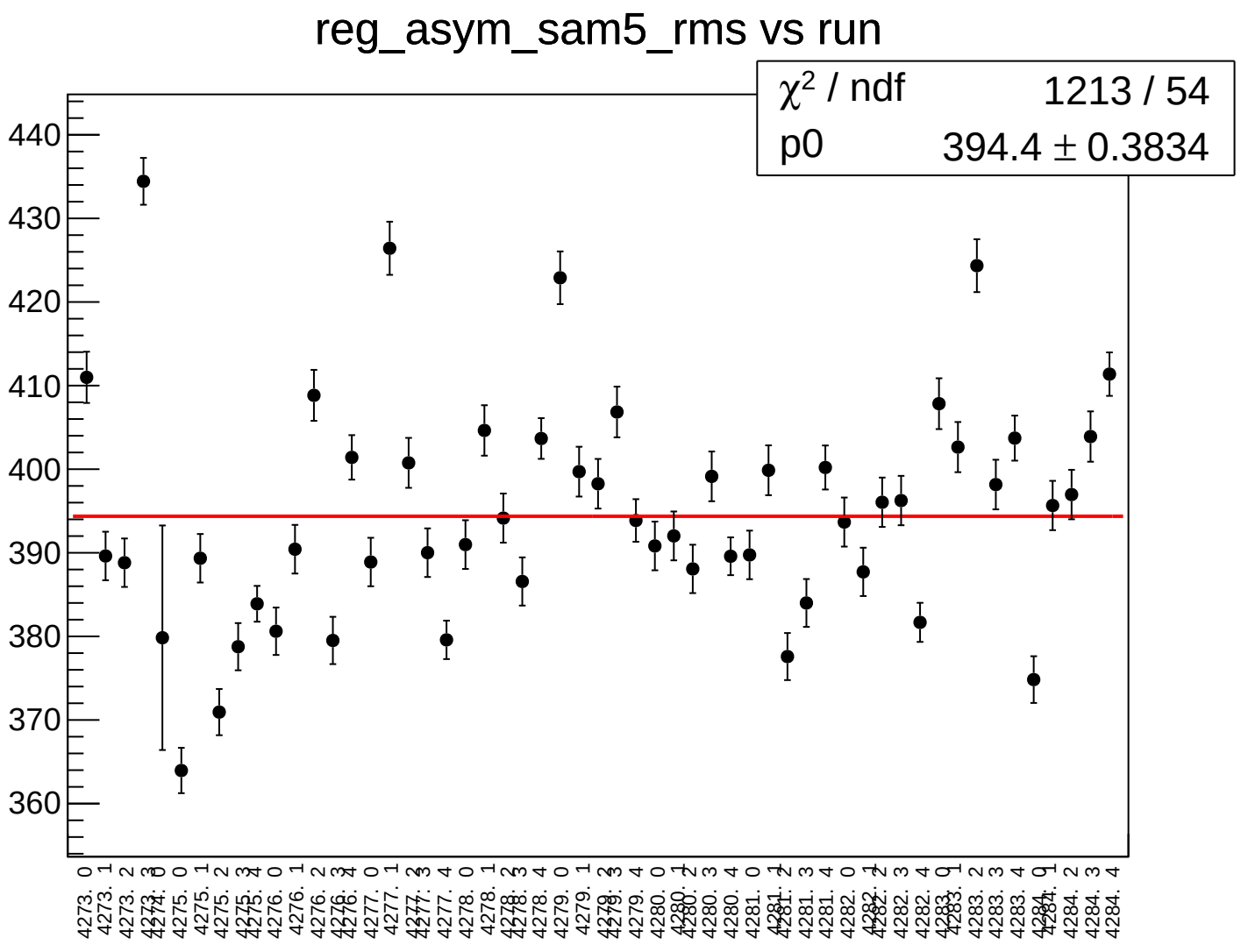
4284. 4


reg_asym_sam5_mean vs run
χ² / ndf 68.06 / 54
p0 −147 ± 542.2
pull
Entries 55
Mean 42.31
Std Dev 23.98


pull1D
Entries 55
Mean −0.05801
Std Dev 1.111


reg_asym_sam5_rms vs run
χ² / ndf 1213 / 54
p0 394.4 ± 0.3834
440
430
420
410
400
390
380
370
360
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
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4281. 2
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
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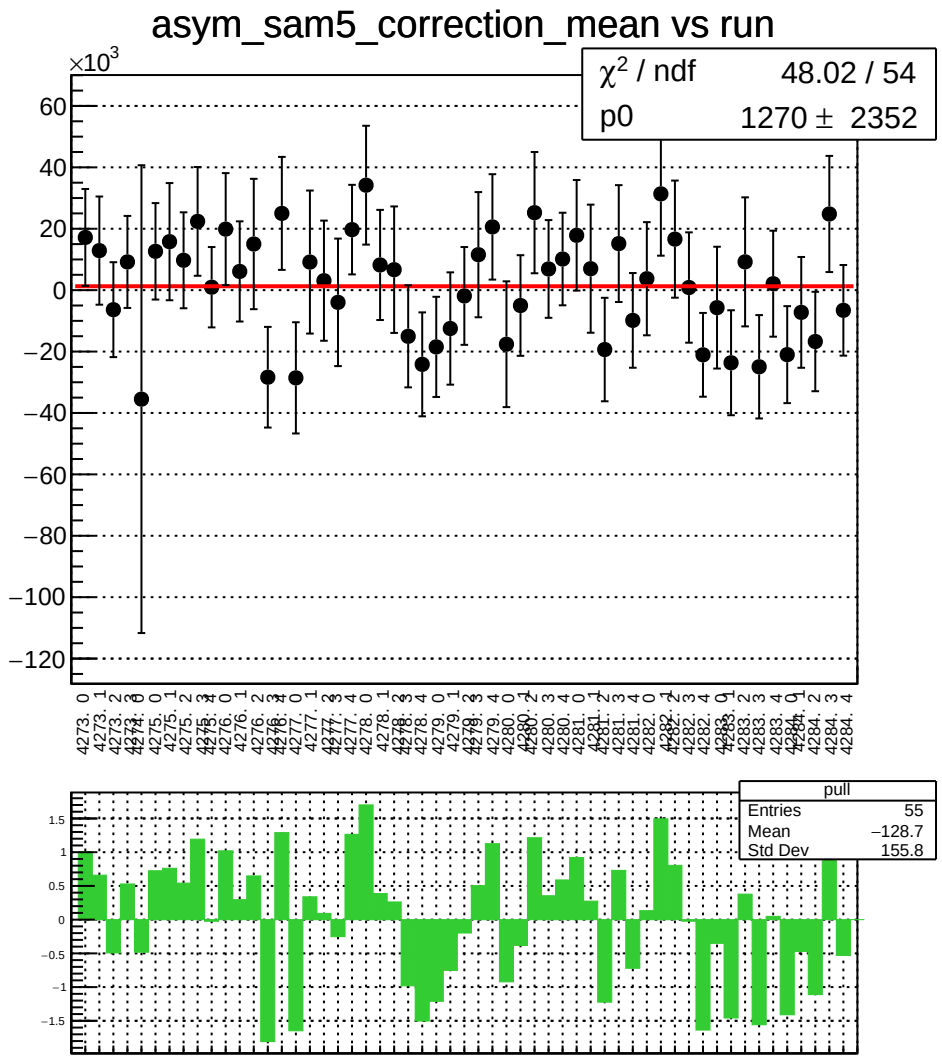
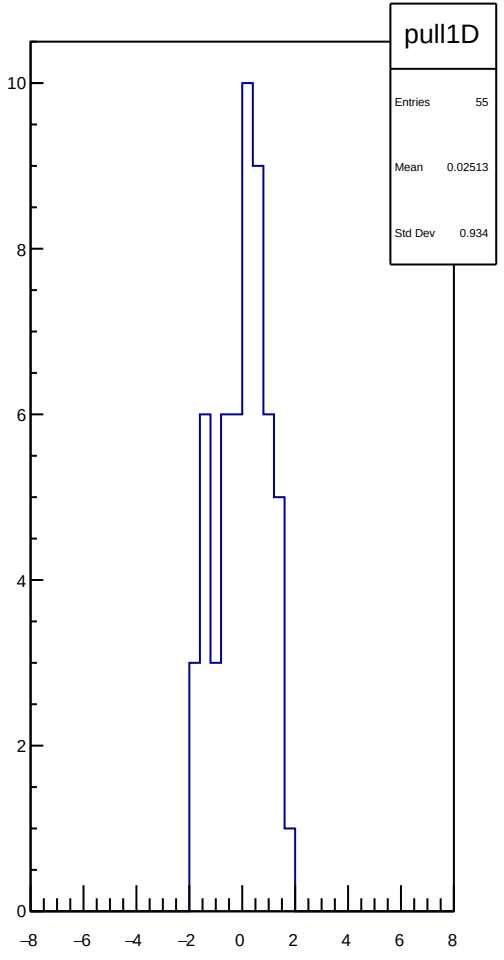
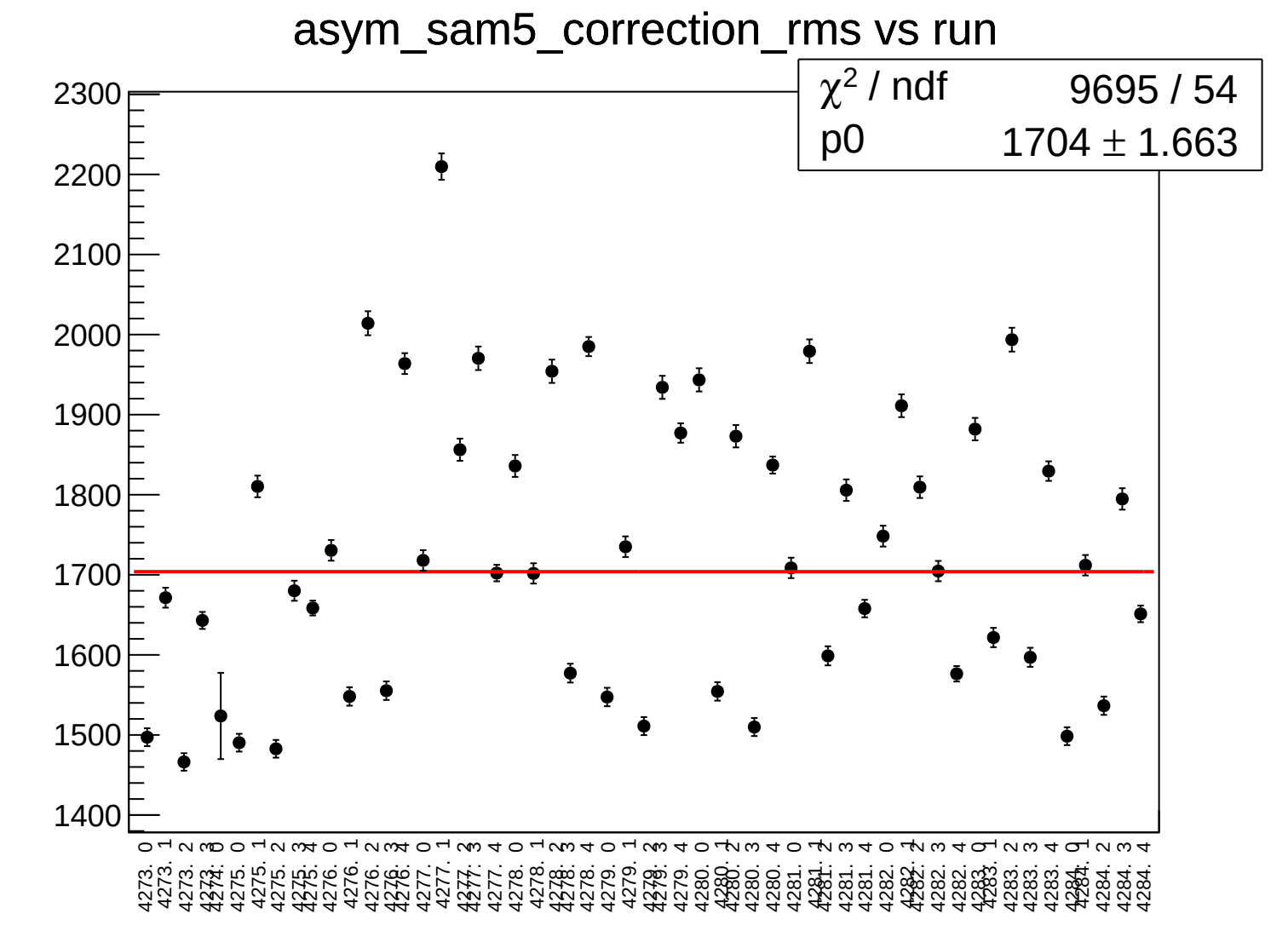
4284. 4


asym_sam5_correction_mean vs run
×10^3
χ² / ndf 48.02 / 54
p0 1270 ± 2352
pull
Entries 55
Mean −128.7
Std Dev 155.8


pull1D
Entries 55
Mean 0.02513
Std Dev 0.934


asym_sam5_correction_rms vs run
χ² / ndf 9695 / 54
p0 1704 ± 1.663
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
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4276. 3
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4277. 0
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4277. 2
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4278. 1
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4278. 4
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4279. 1
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4280. 2
4280. 3
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4282. 2
4282. 3
4282. 4
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4284. 1
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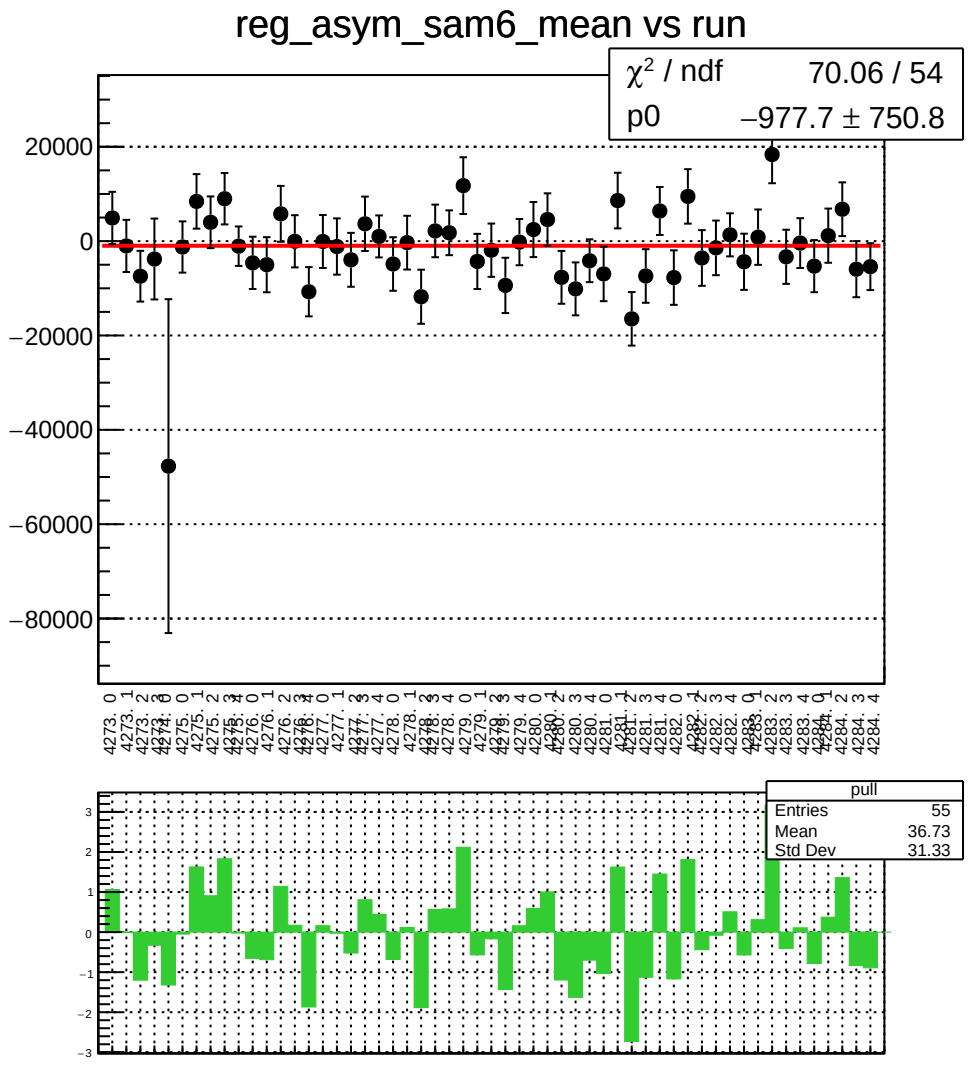
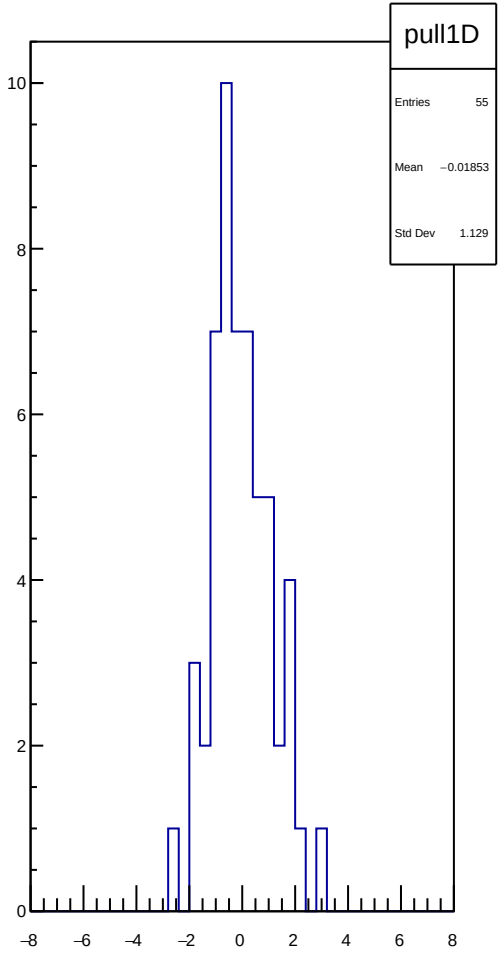
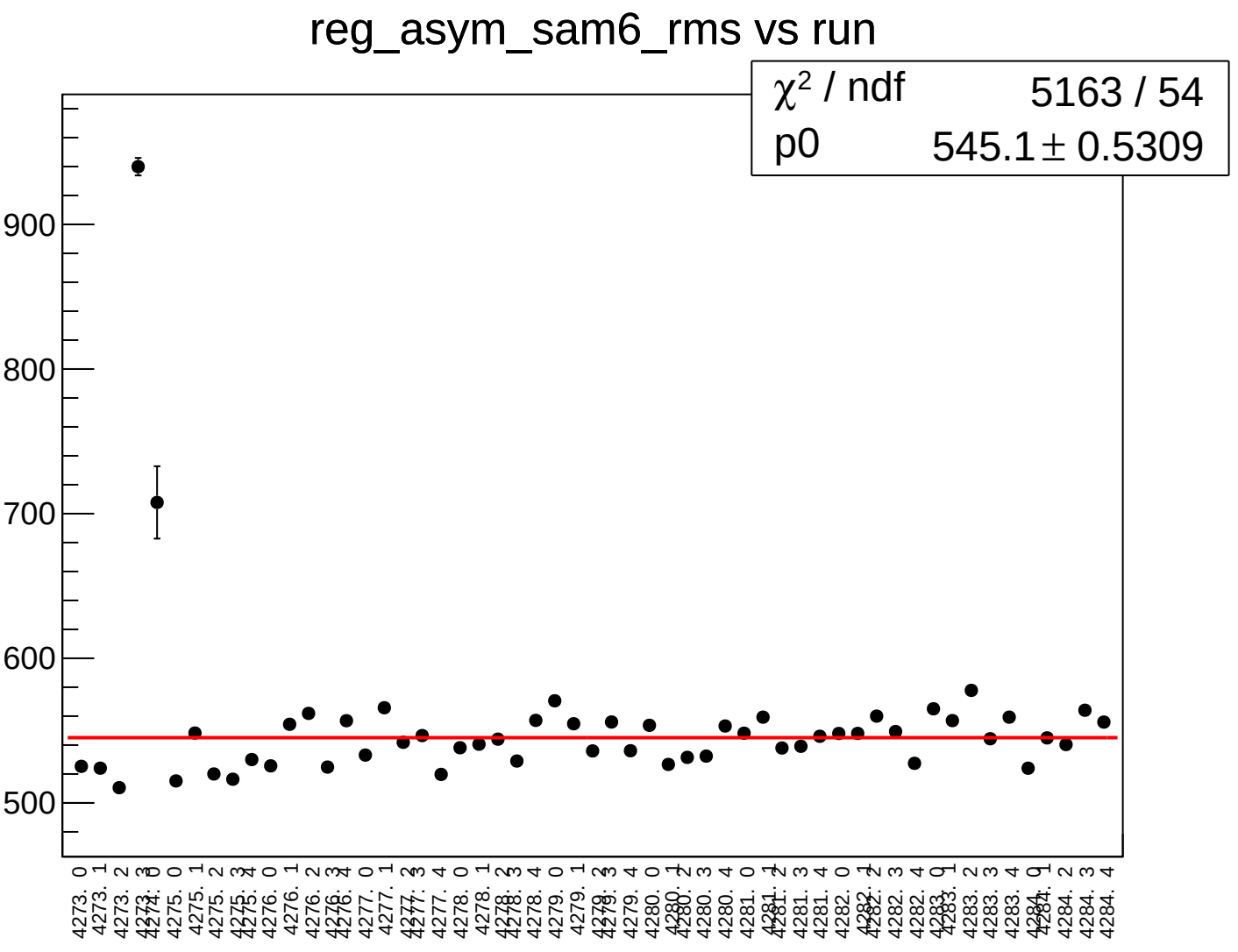
4284. 3
4284. 4


reg_asym_sam6_mean vs run
χ² / ndf 70.06 / 54
p0 −977.7 ± 750.8
20000
0
−20000
−40000
−60000
−80000
pull
Entries 55
Mean 36.73
Std Dev 31.33
3
2
1
0
−1
−2
−3


pull1D
Entries 55
Mean −0.01853
Std Dev 1.129
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam6_rms vs run
χ² / ndf 5163 / 54
p0 545.1 ± 0.5309
900
800
700
600
500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4276. 2
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4277. 0
4277. 1
4277. 2
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4278. 2
4278. 3
4278. 4
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4279. 2
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4279. 4
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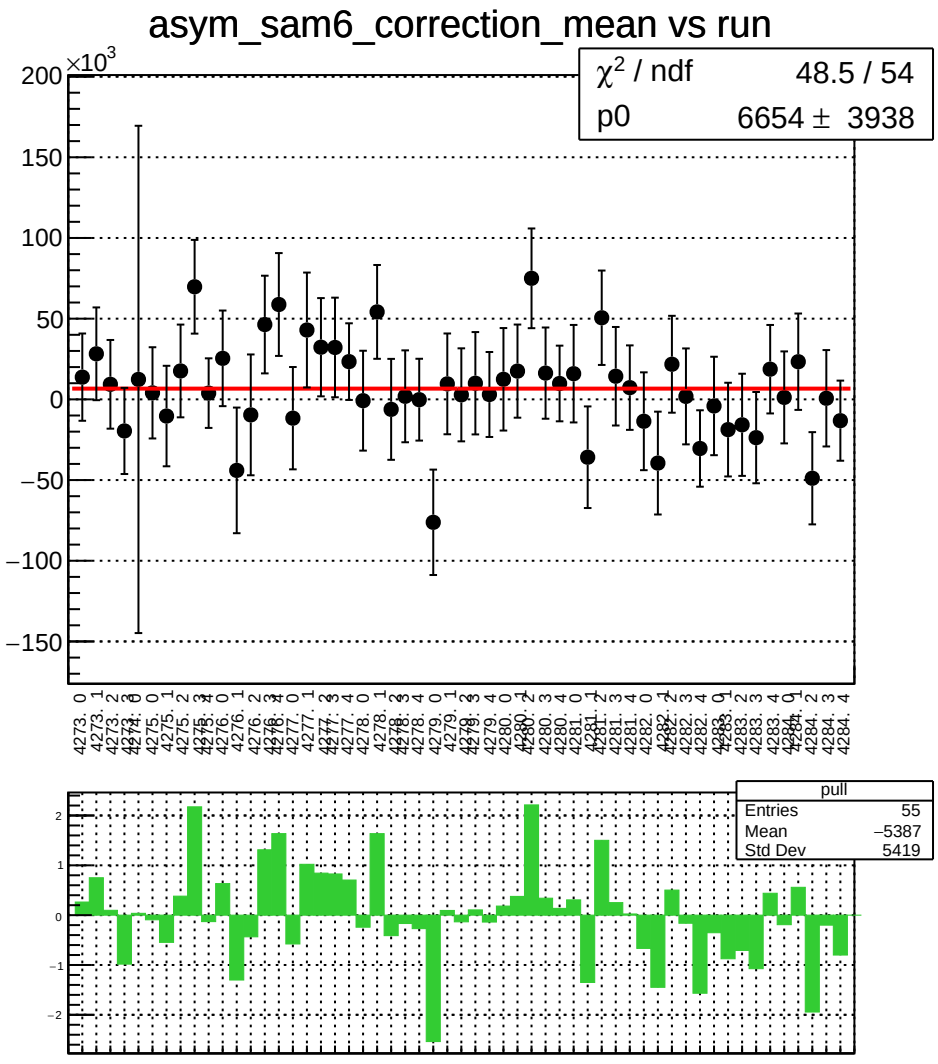
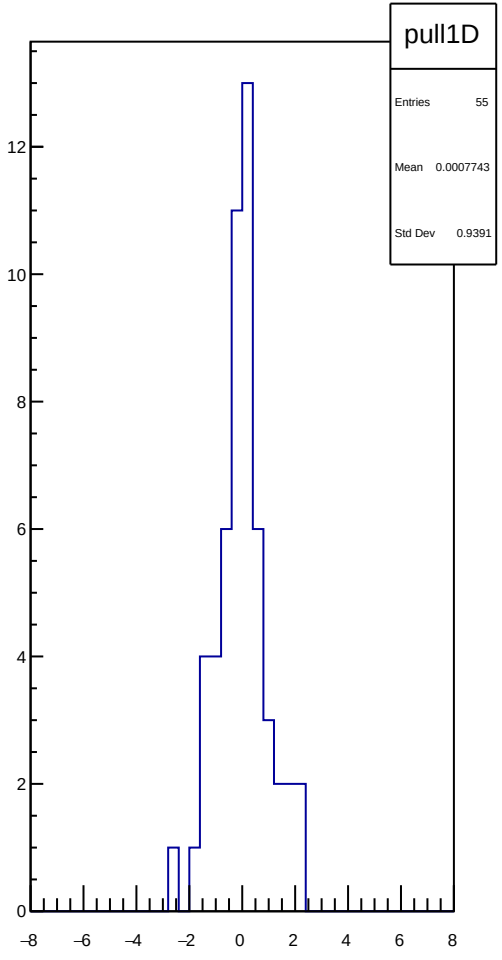
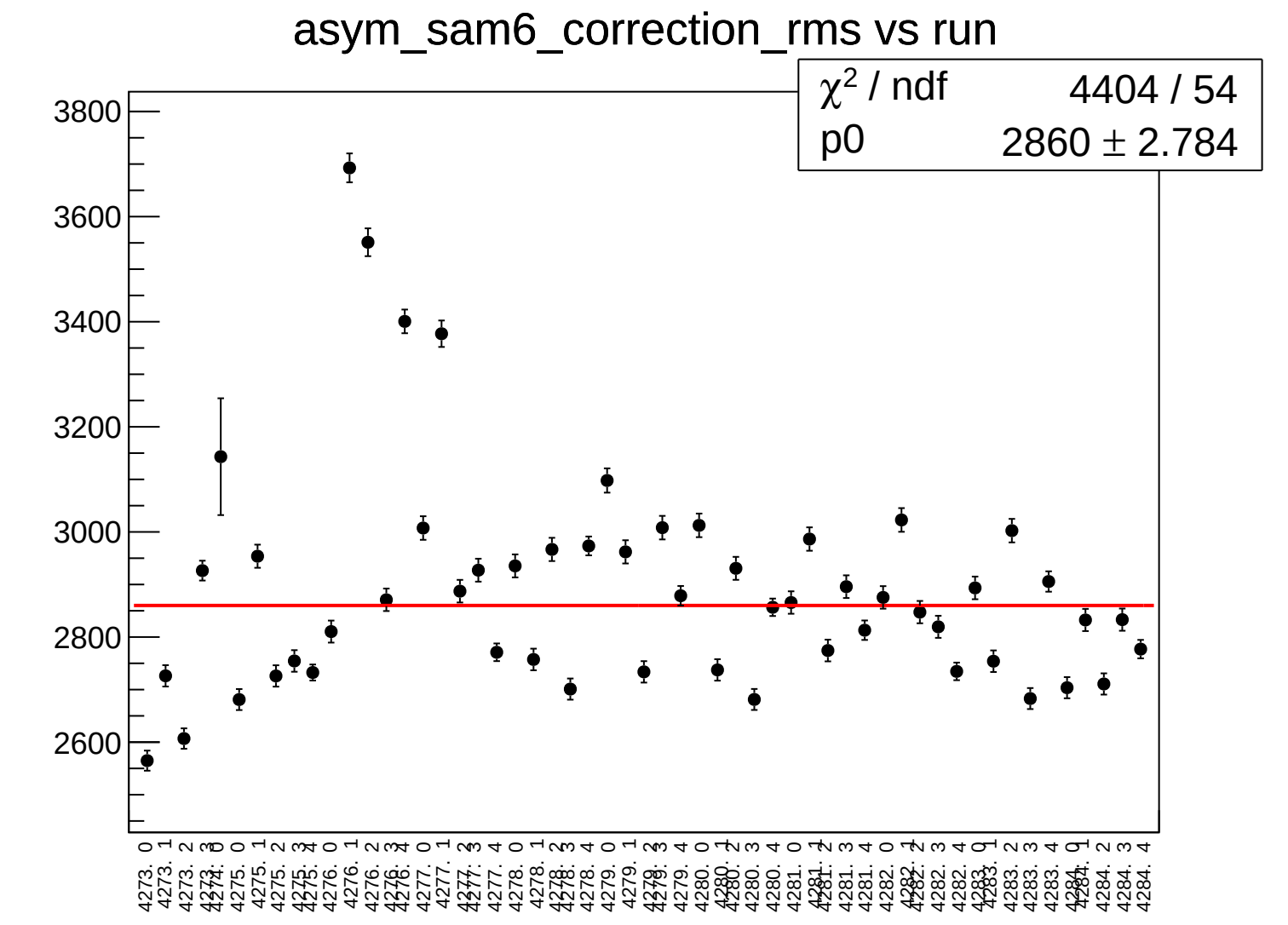
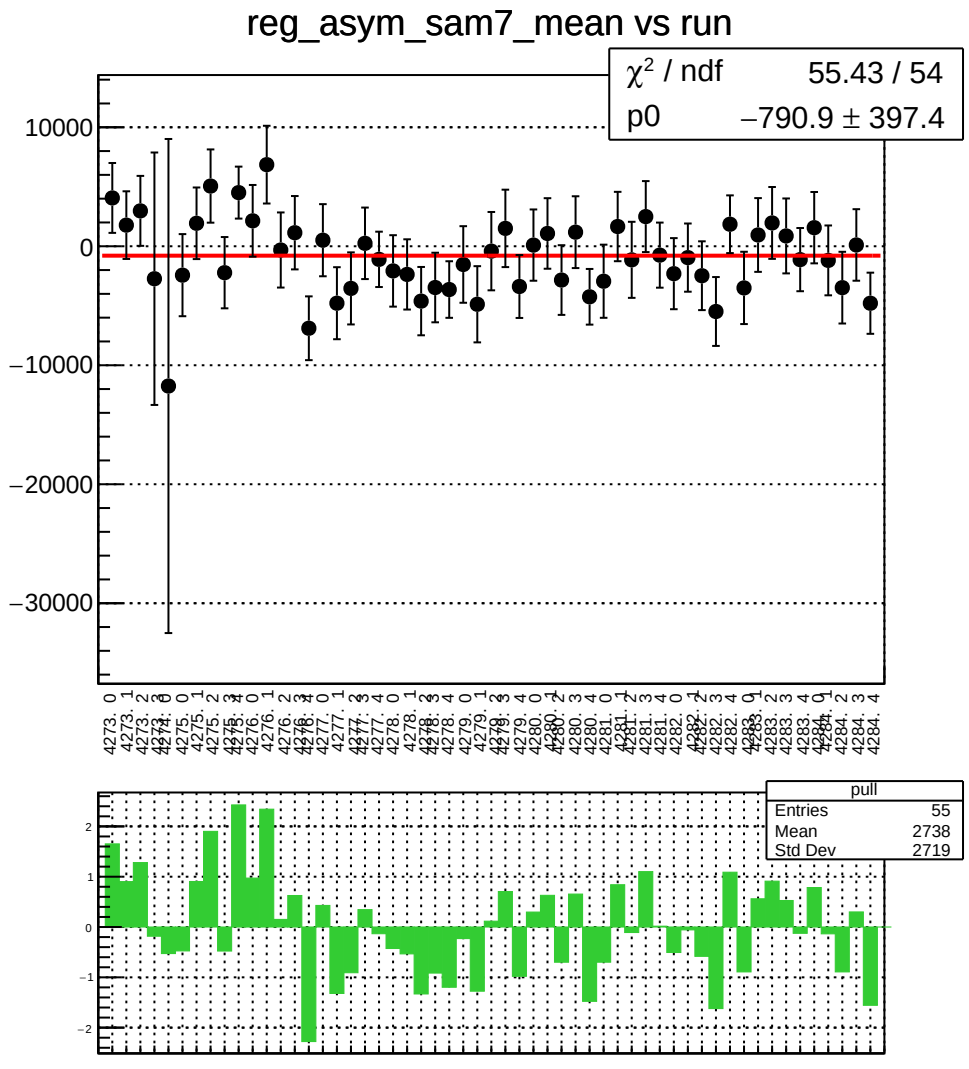
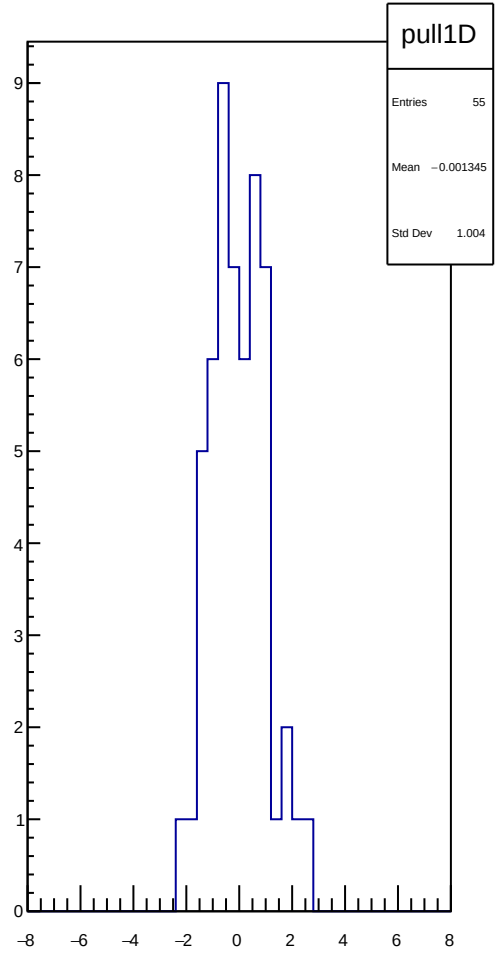
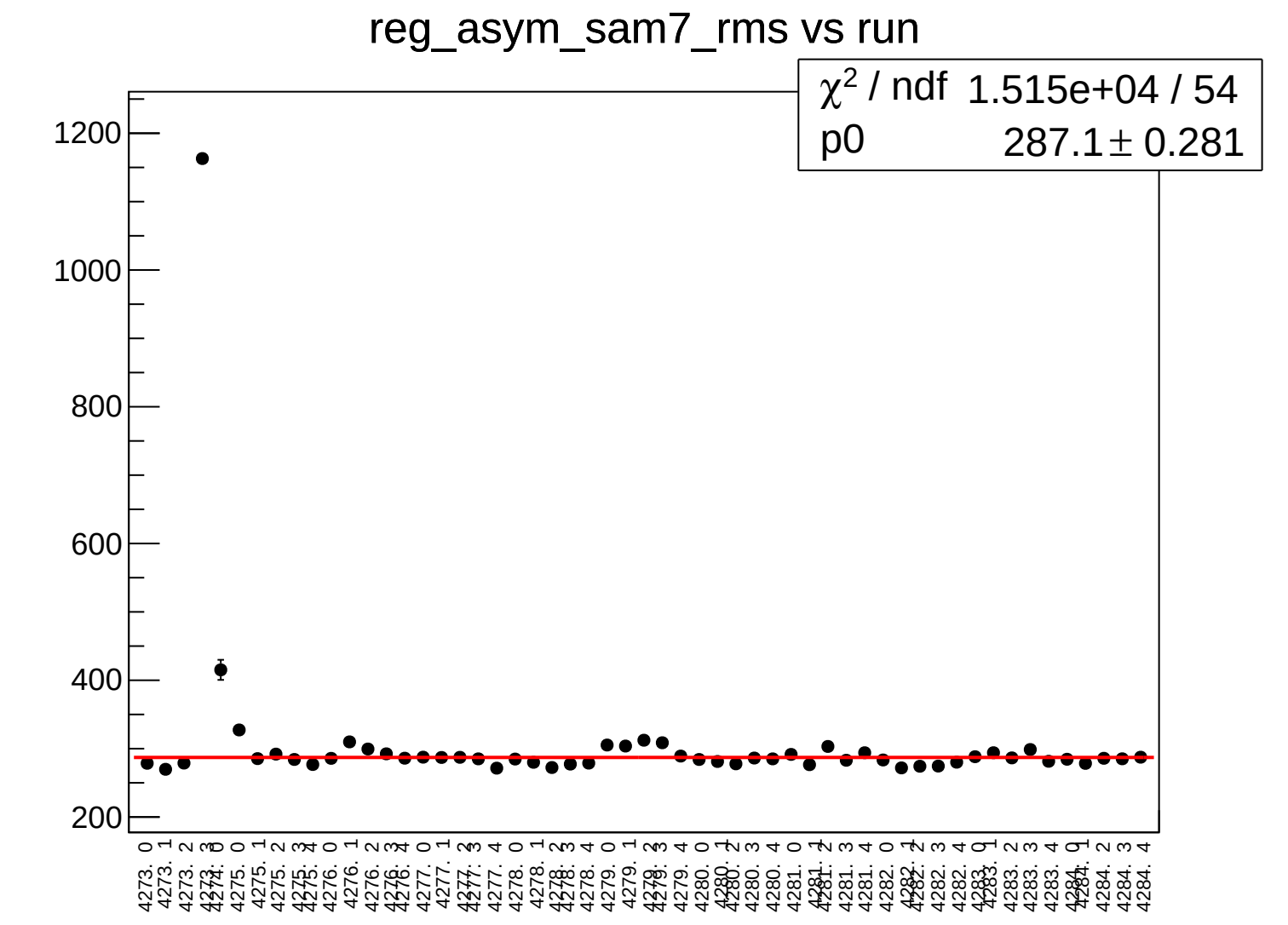

asym_sam6_correction_mean vs run
χ² / ndf 48.5 / 54
p0 6654 ± 3938
×10³
pull
Entries 55
Mean −5387
Std Dev 5419


pull1D
Entries 55
Mean 0.0007743
Std Dev 0.9391


asym_sam6_correction_rms vs run
χ² / ndf 4404 / 54
p0 2860 ± 2.784
3800
3600
3400
3200
3000
2800
2600
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_sam7_mean vs run
χ² / ndf 55.43 / 54
p0 −790.9 ± 397.4
10000
0
−10000
−20000
−30000
pull
Entries 55
Mean 2738
Std Dev 2719


pull1D
Entries 55
Mean −0.001345
Std Dev 1.004


reg_asym_sam7_rms vs run
χ² / ndf 1.515e+04 / 54
p0 287.1 ± 0.281
1200
1000
800
600
400
200
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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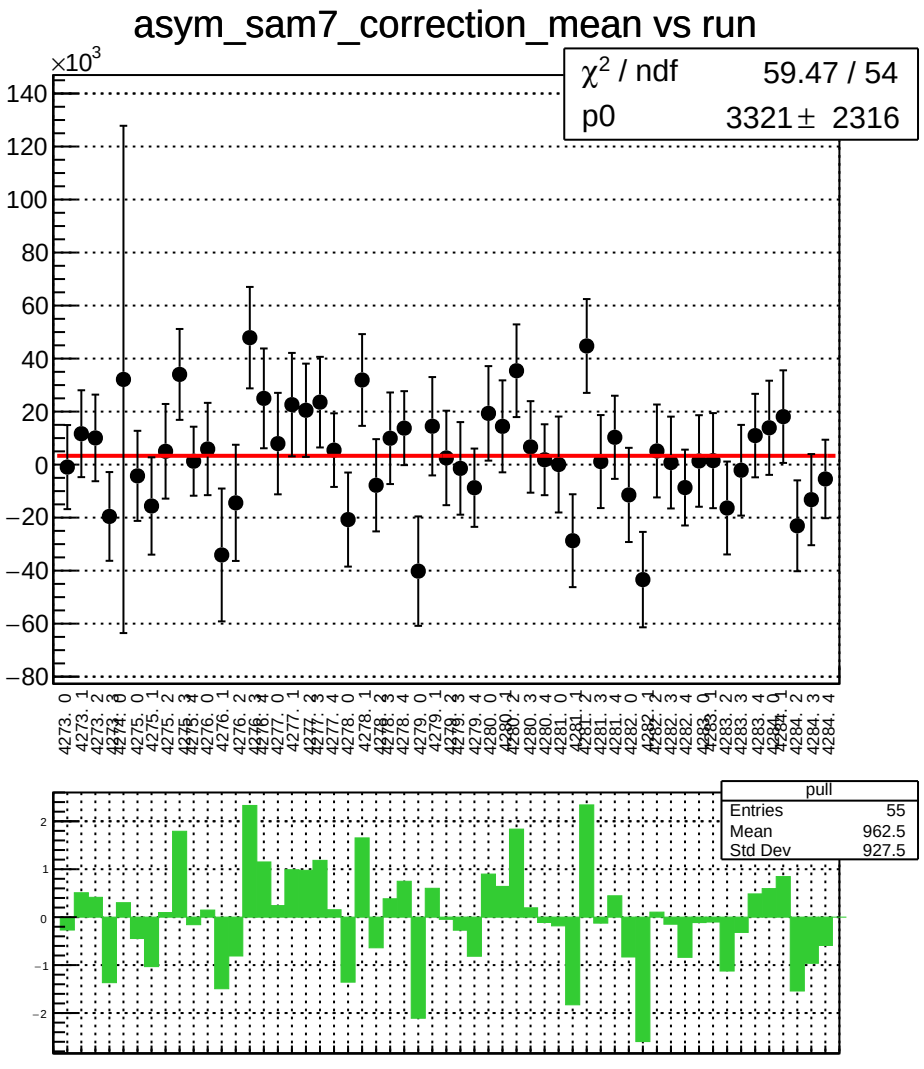
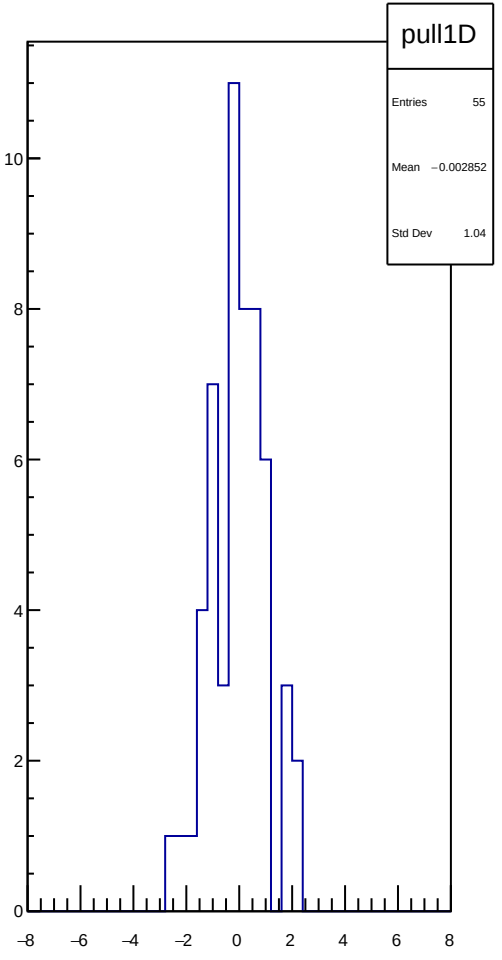
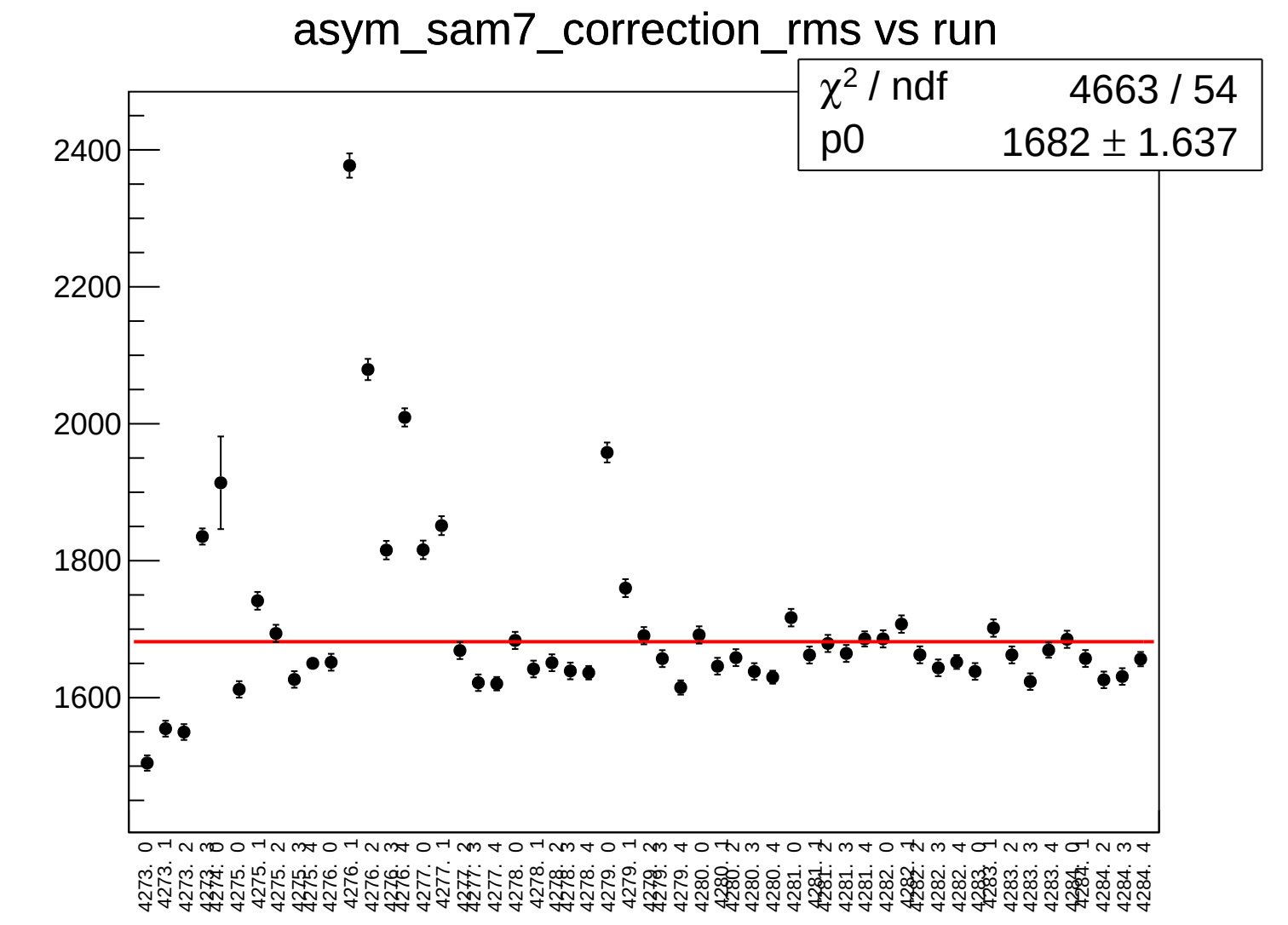
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam7_correction_mean vs run
×10^3
χ^2 / ndf 59.47 / 54
p0 3321 ± 2316
pull
Entries 55
Mean 962.5
Std Dev 927.5


pull1D
Entries 55
Mean −0.002852
Std Dev 1.04


asym_sam7_correction_rms vs run
χ² / ndf 4663 / 54
p0 1682 ± 1.637
2400
2200
2000
1800
1600
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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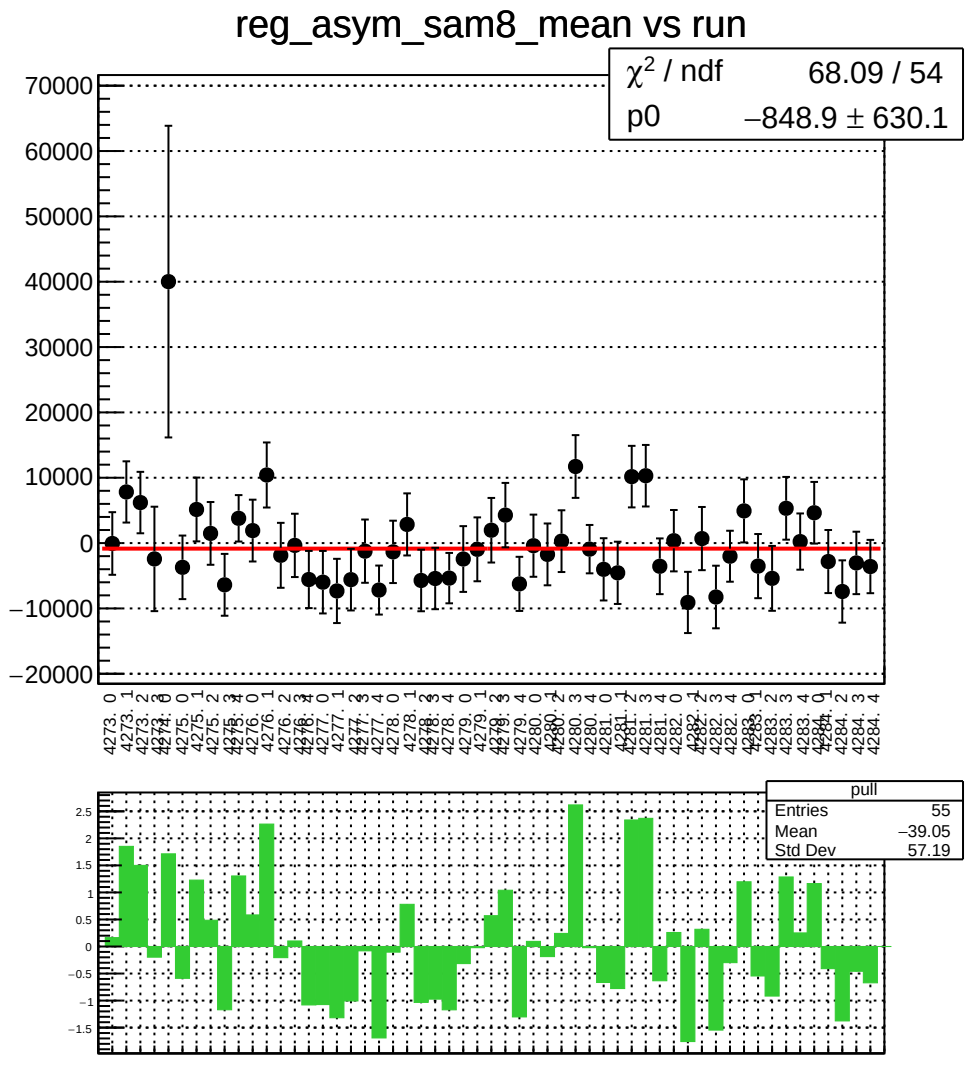
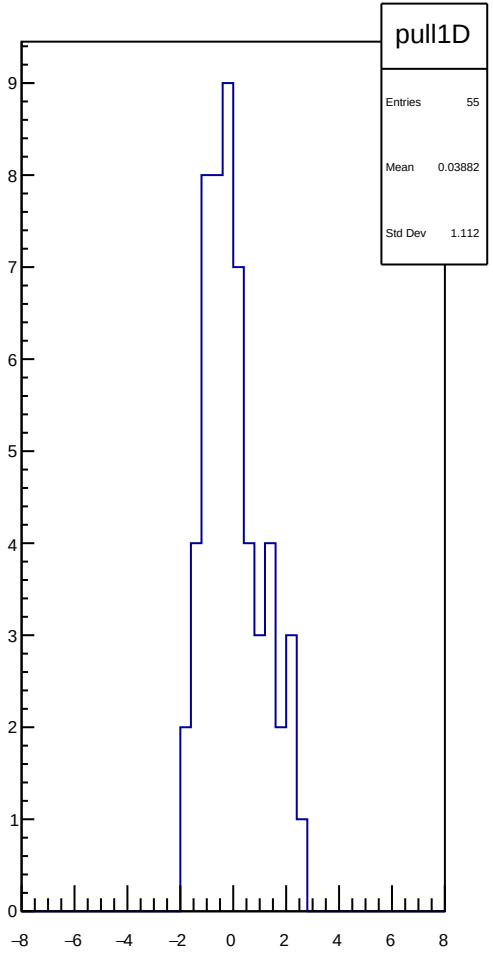
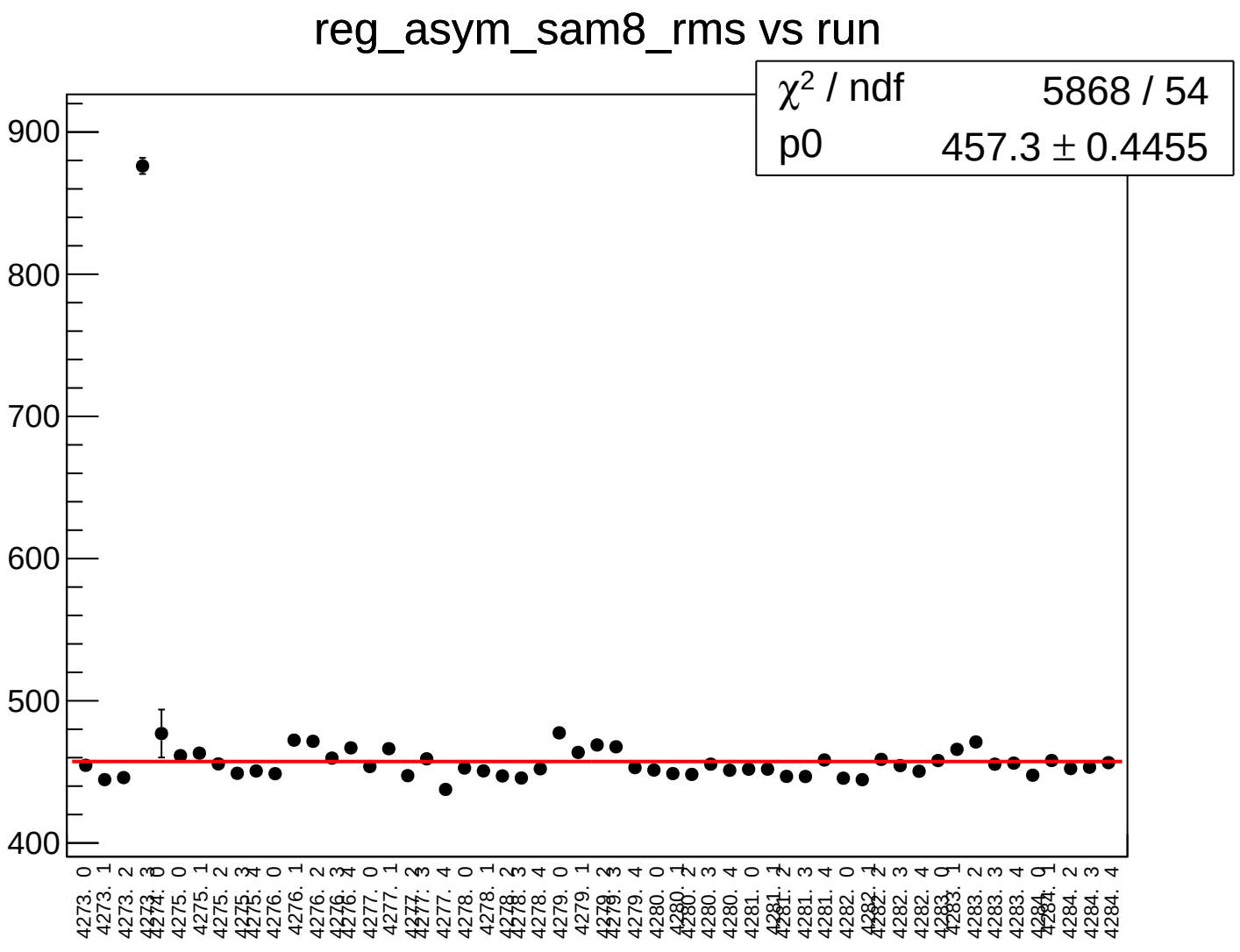
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_sam8_mean vs run
χ² / ndf 68.09 / 54
p0 −848.9 ± 630.1
pull
Entries 55
Mean −39.05
Std Dev 57.19


pull1D
Entries 55
Mean 0.03882
Std Dev 1.112


reg_asym_sam8_rms vs run
χ² / ndf 5868 / 54
p0 457.3 ± 0.4455
900
800
700
600
500
400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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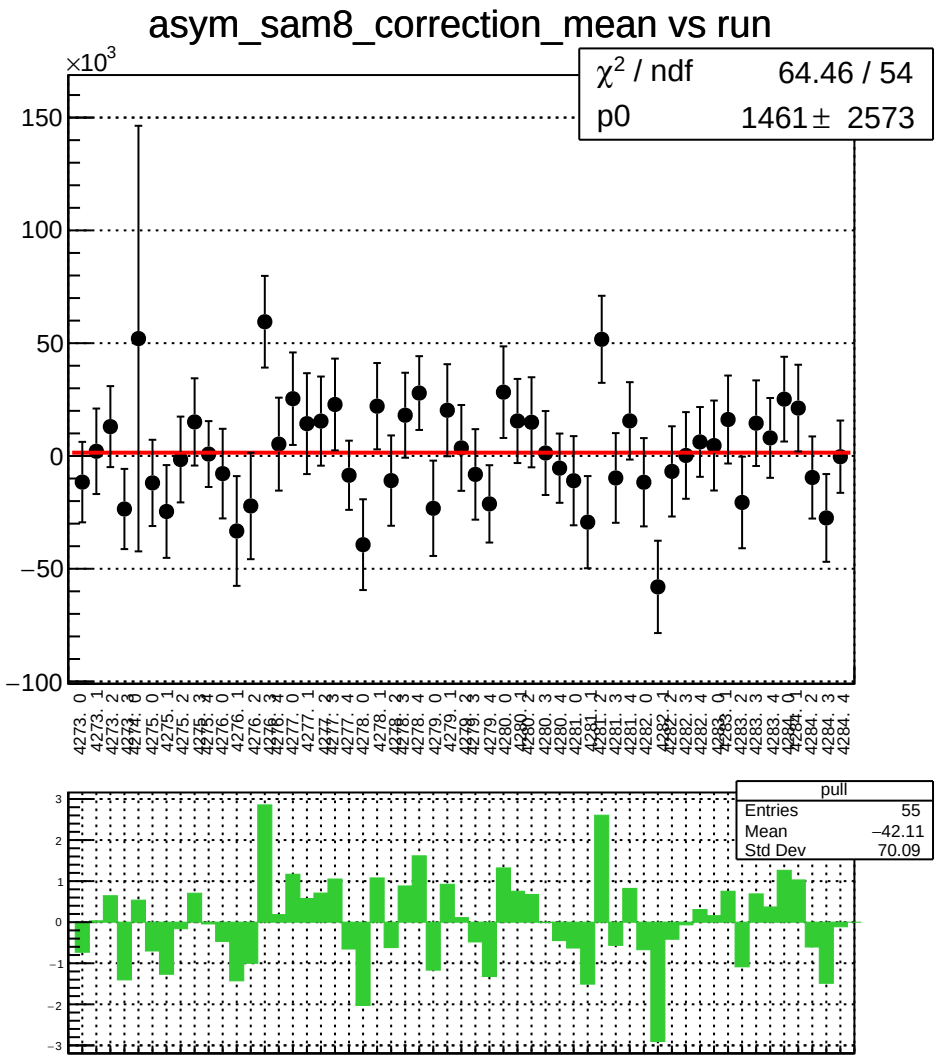
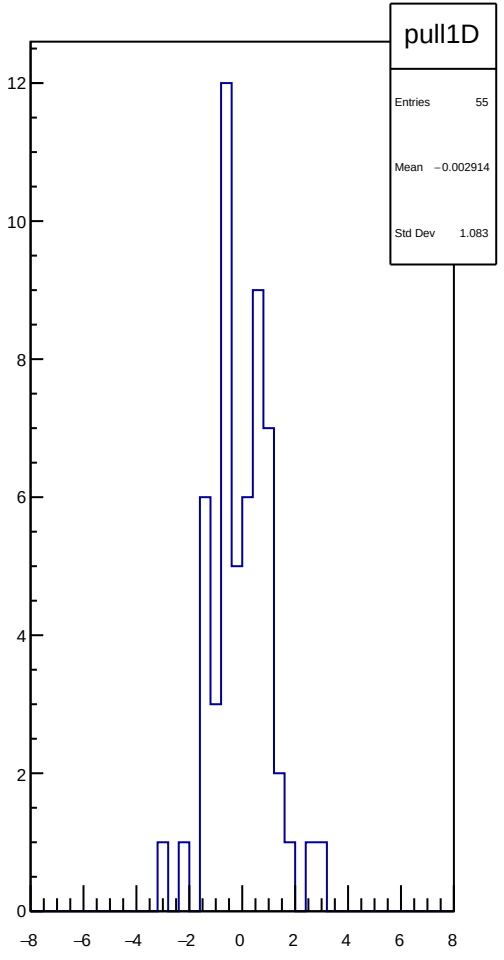
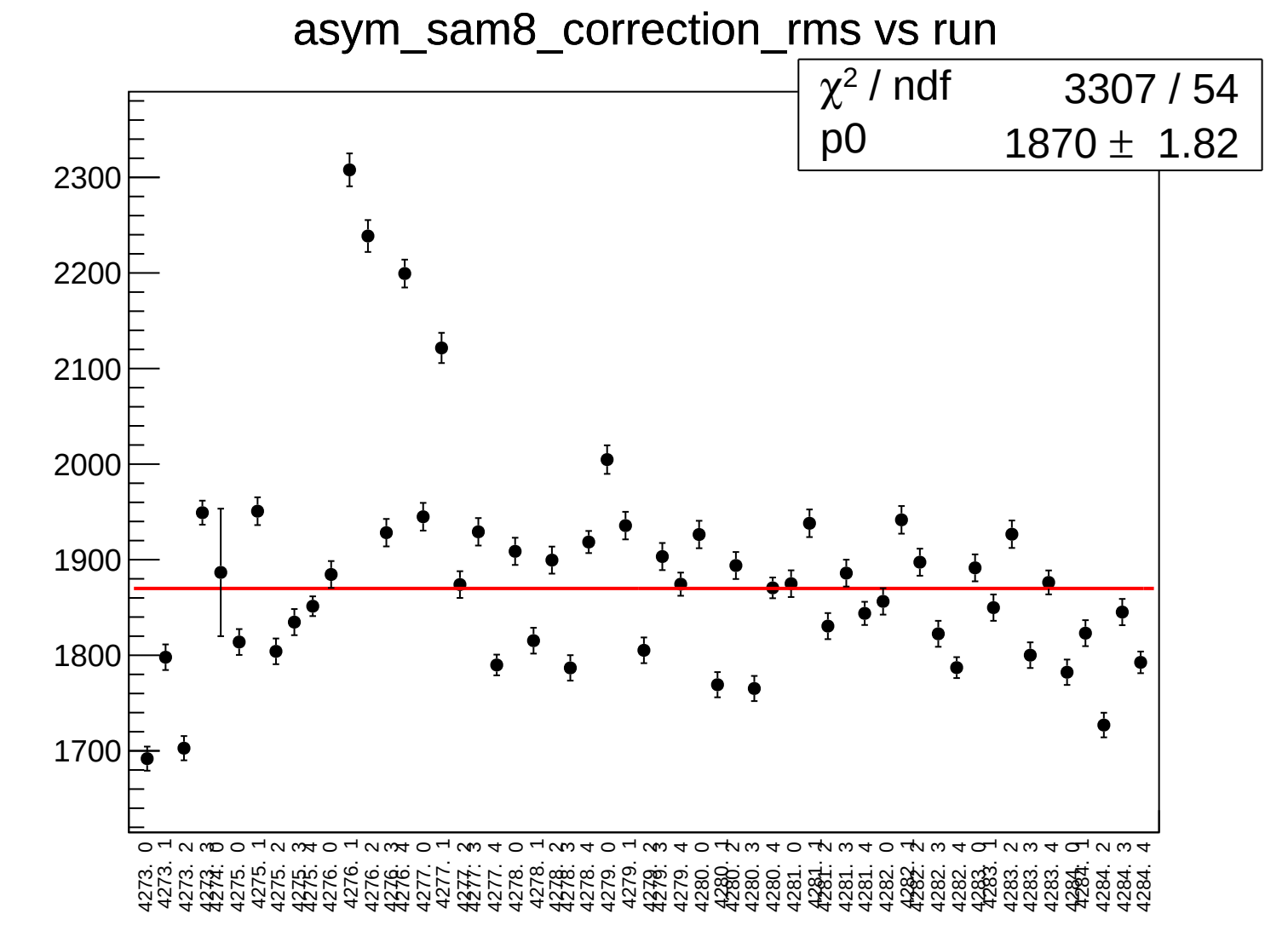
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam8_correction_mean vs run
×10^3
χ^2 / ndf 64.46 / 54
p0 1461 ± 2573
150
100
50
0
−50
−100
pull
Entries 55
Mean −42.11
Std Dev 70.09
3
2
1
0
−1
−2
−3


pull1D
Entries 55
Mean −0.002914
Std Dev 1.083
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_correction_rms vs run
χ² / ndf 3307 / 54
p0 1870 ± 1.82
2300
2200
2100
2000
1900
1800
1700
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
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4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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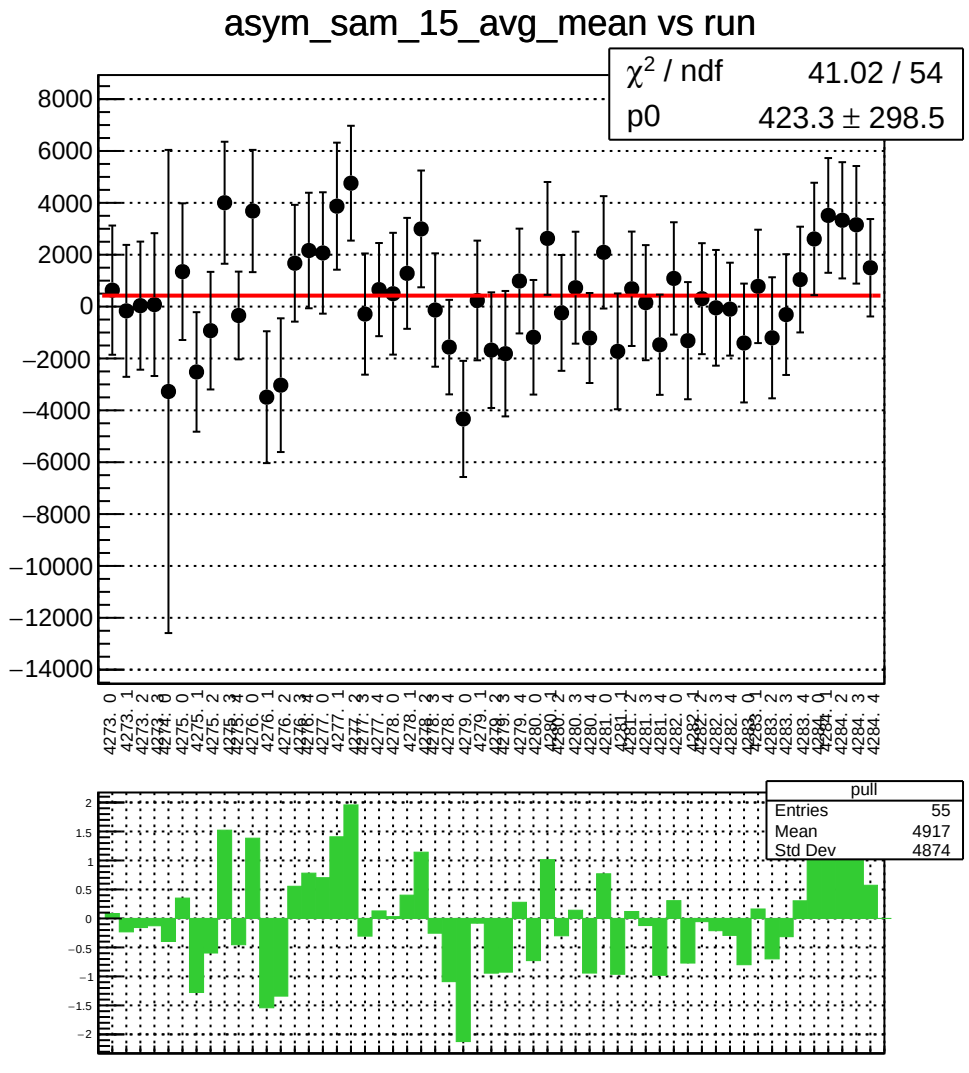
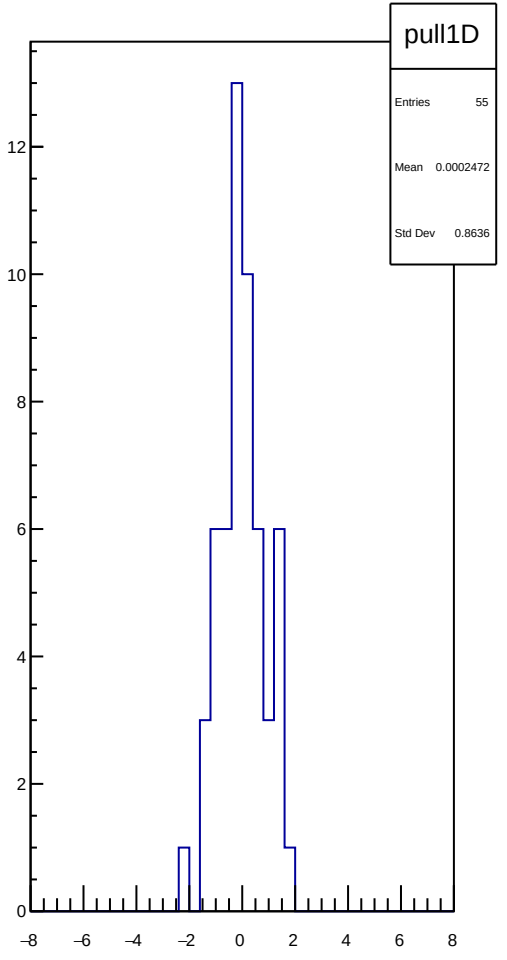
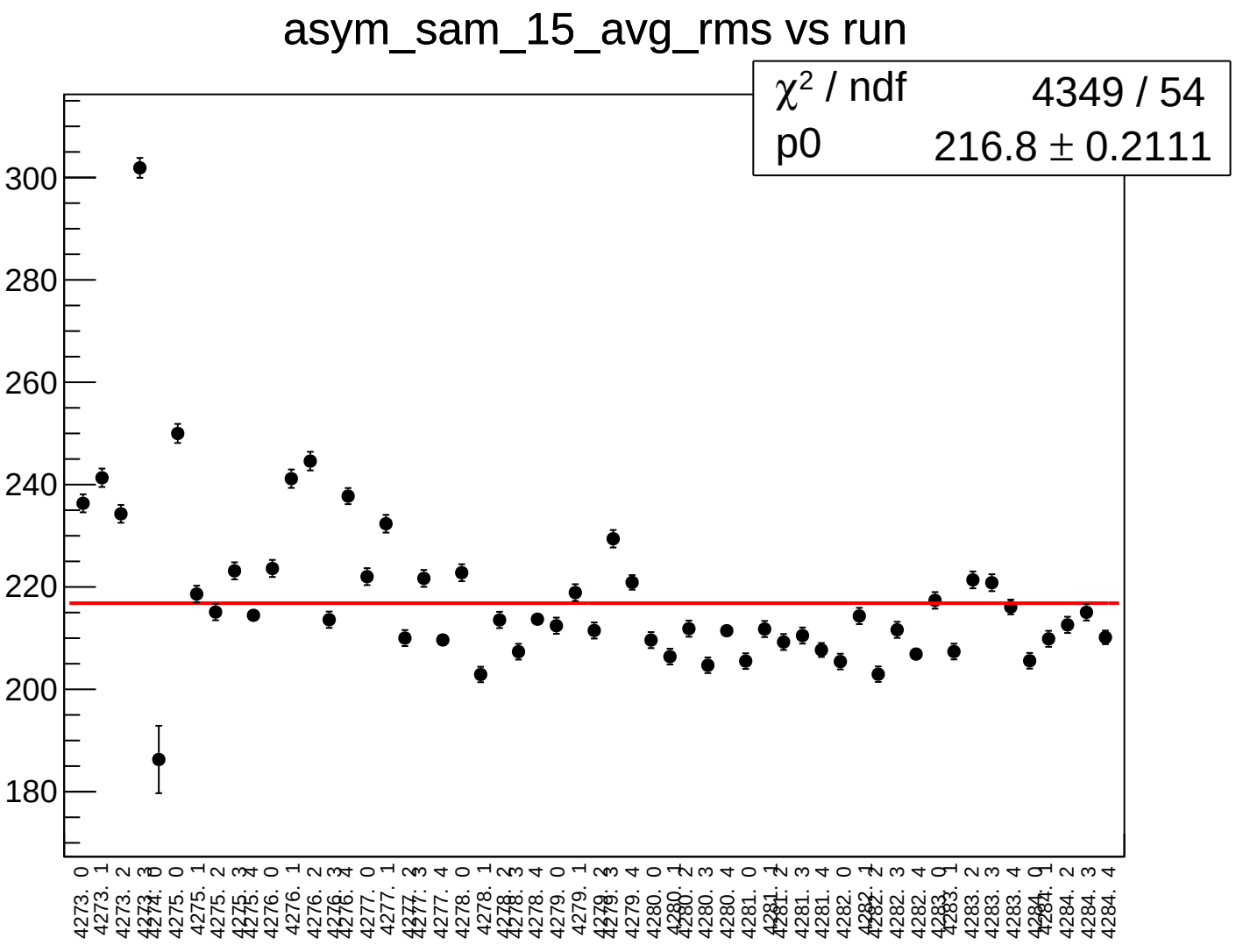
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam_15_avg_mean vs run
χ² / ndf 41.02 / 54
p0 423.3 ± 298.5
pull
Entries 55
Mean 4917
Std Dev 4874


pull1D
Entries 55
Mean 0.0002472
Std Dev 0.8636


asym_sam_15_avg_rms vs run
χ² / ndf 4349 / 54
p0 216.8 ± 0.2111
300
280
260
240
220
200
180
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
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4277. 1
4277. 2
4277. 3
4277. 4
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4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
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4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
4283. 4
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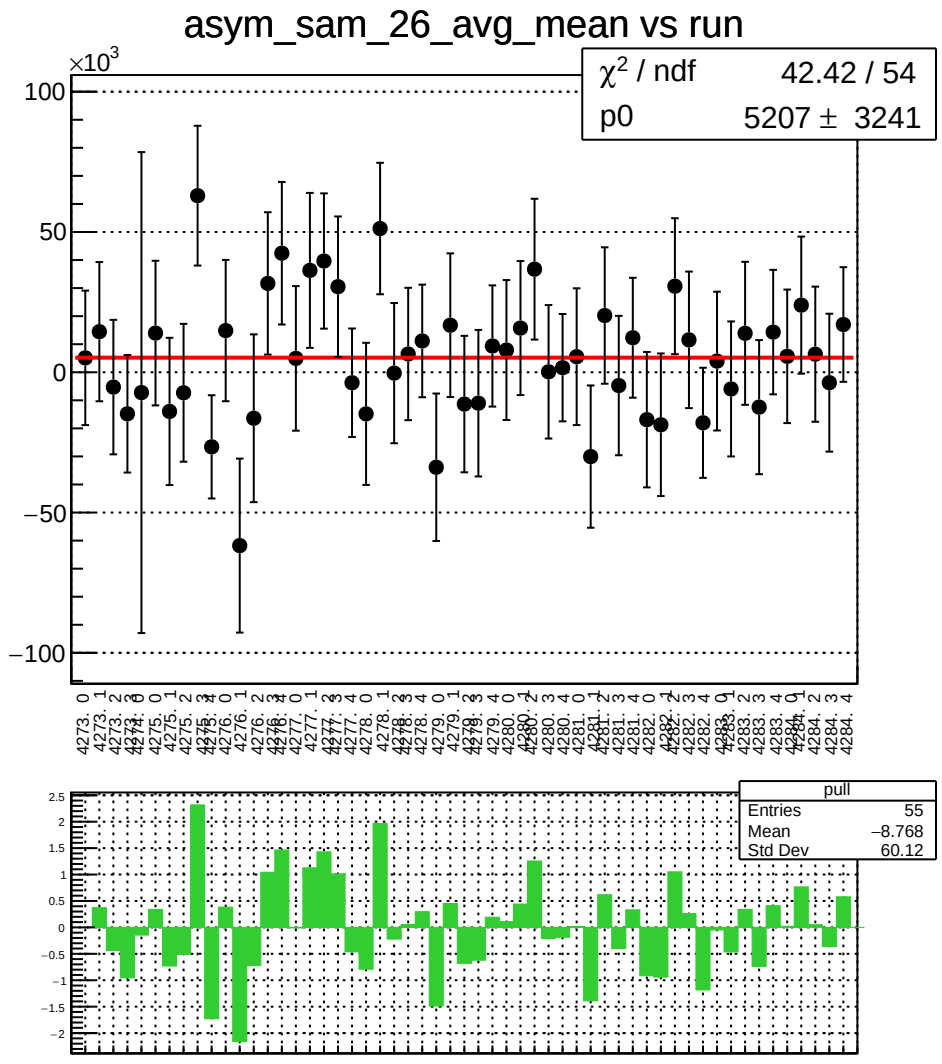
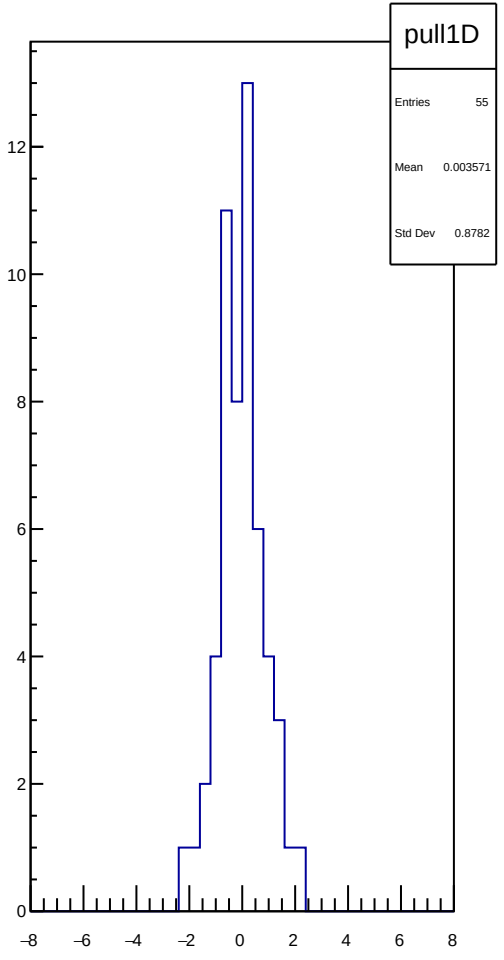
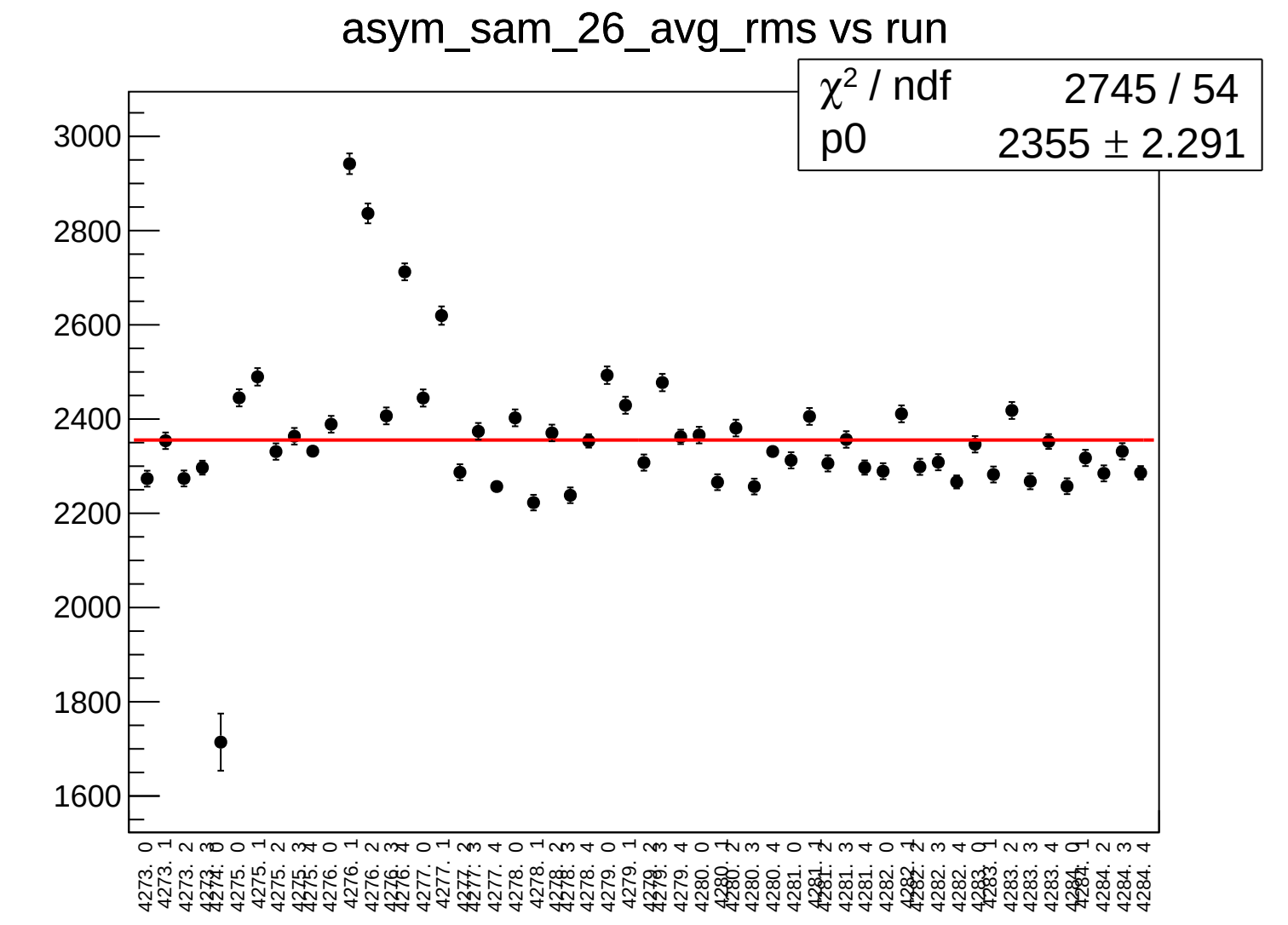
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 42.42 / 54
p0 5207 ± 3241
100
50
0
−50
−100
pull
Entries 55
Mean −8.768
Std Dev 60.12
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean 0.003571
Std Dev 0.8782
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_avg_rms vs run
χ² / ndf 2745 / 54
p0 2355 ± 2.291
3000
2800
2600
2400
2200
2000
1800
1600
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
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4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4280. 2
4280. 3
4280. 4
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4281. 1
4281. 2
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4282. 2
4282. 3
4282. 4
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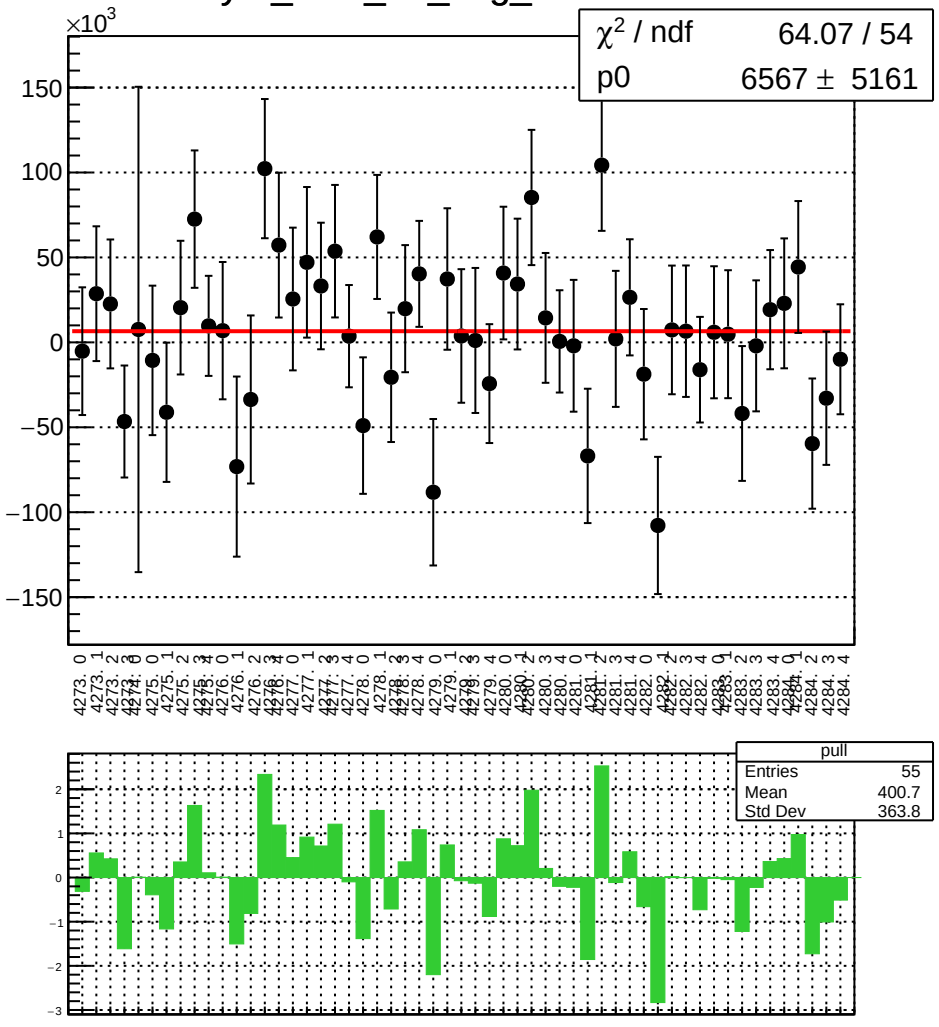
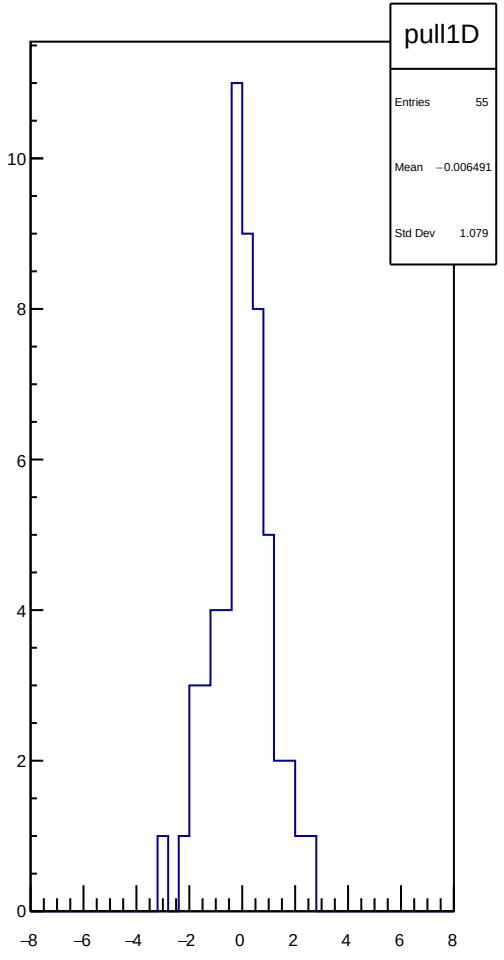
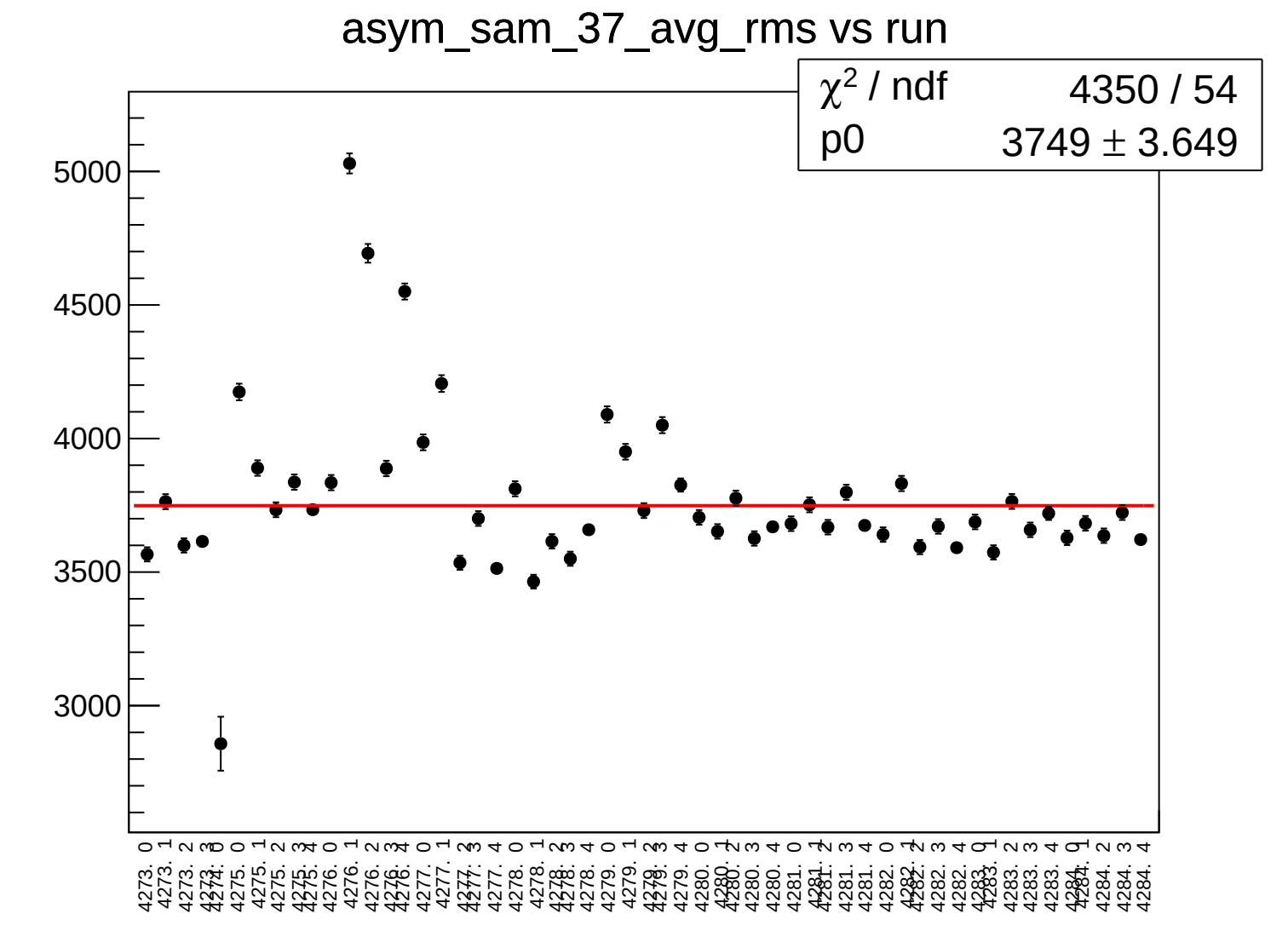
4284. 4


asym_sam_37_avg_mean vs run
χ² / ndf 64.07 / 54
p0 6567 ± 5161
pull
Entries 55
Mean 400.7
Std Dev 363.8


pull1D
Entries 55
Mean −0.006491
Std Dev 1.079


asym_sam_37_avg_rms vs run
χ^2 / ndf 4350 / 54
p0 3749 ± 3.649
5000
4500
4000
3500
3000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
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4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
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4281. 1
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4282. 2
4282. 3
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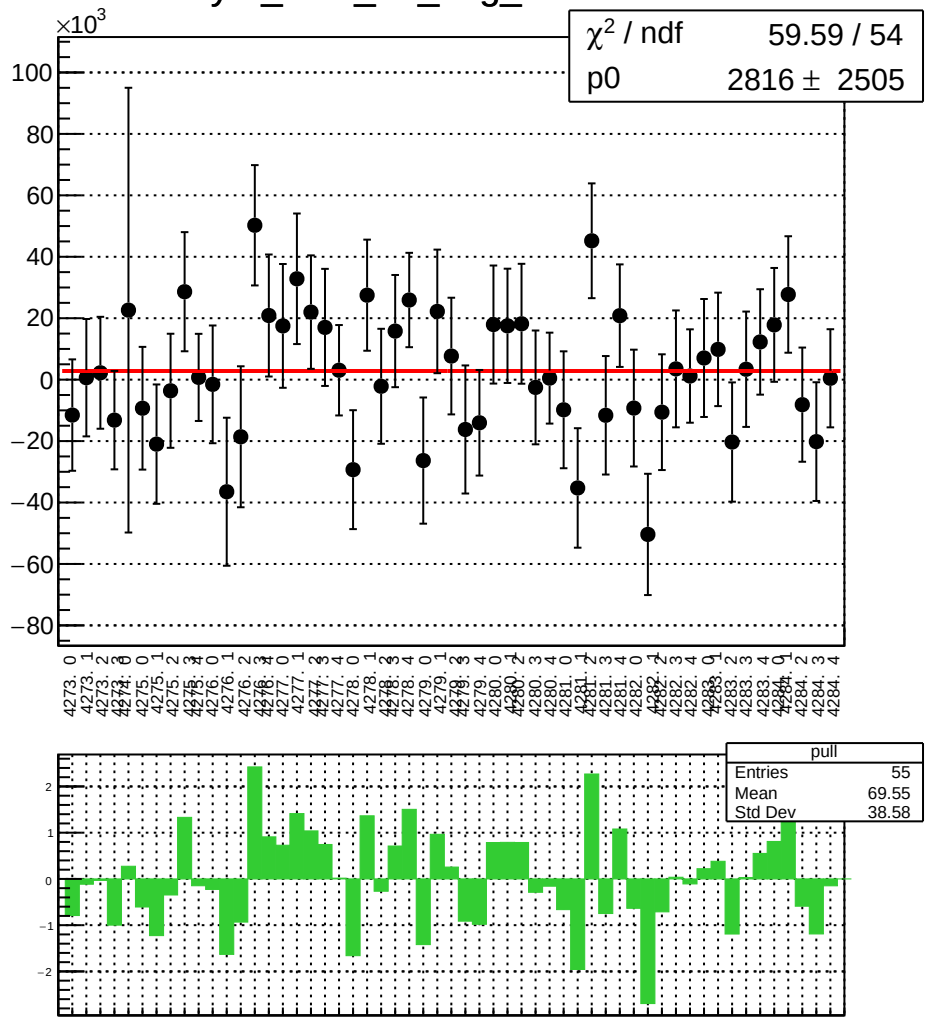
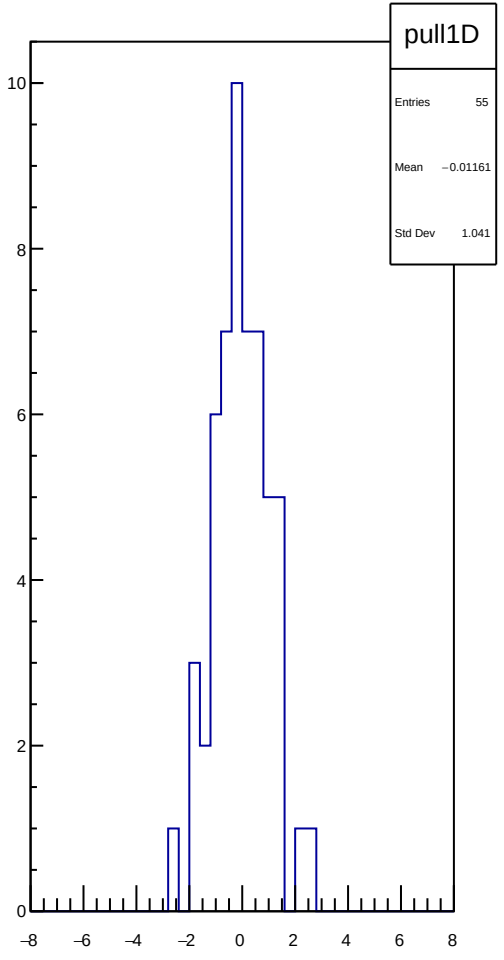
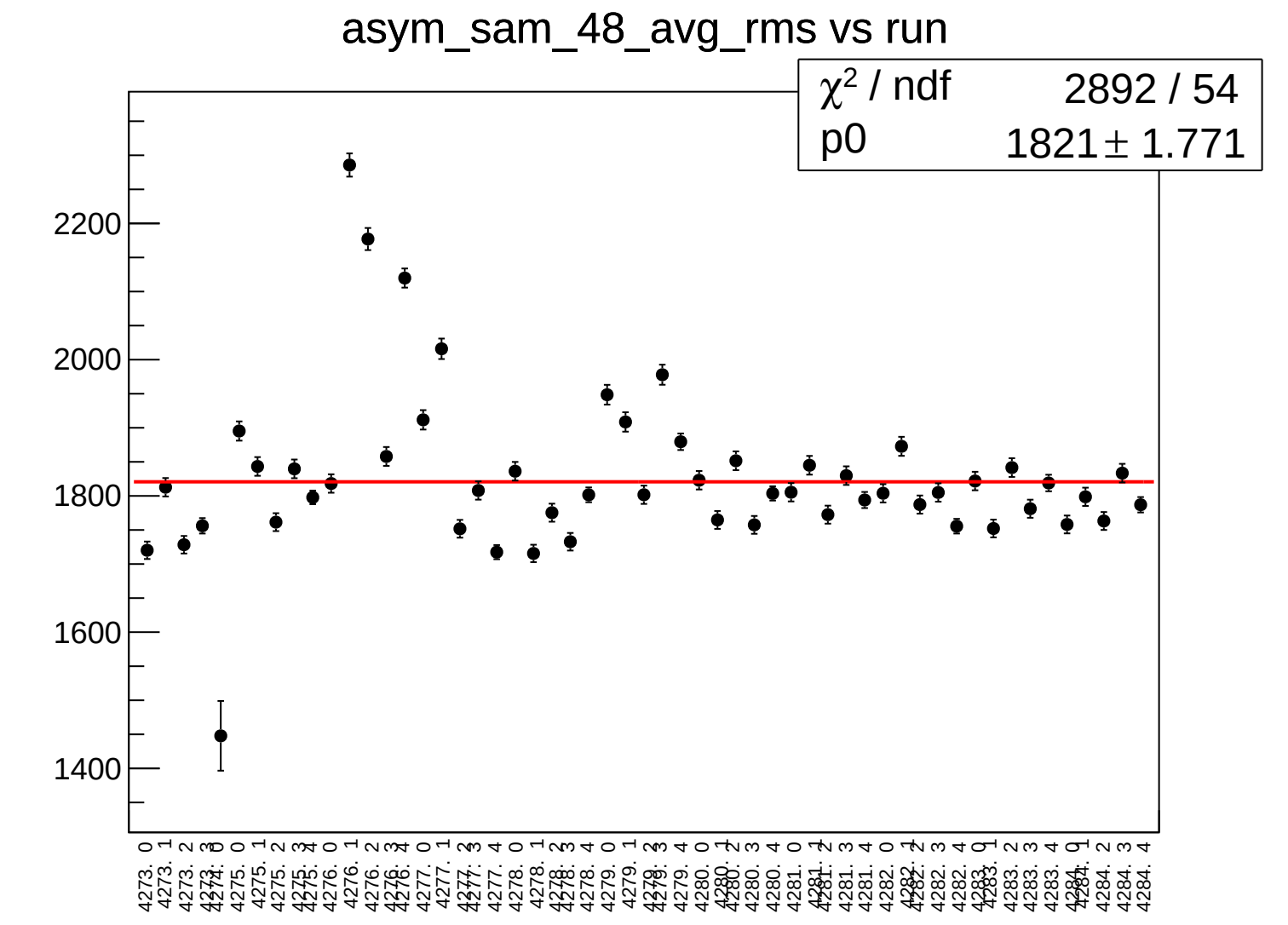
4284. 4


asym_sam_48_avg_mean vs run
χ² / ndf 59.59 / 54
p0 2816 ± 2505
pull
Entries 55
Mean 69.55
Std Dev 38.58


pull1D
Entries 55
Mean −0.01161
Std Dev 1.041


asym_sam_48_avg_rms vs run
χ² / ndf 2892 / 54
p0 1821 ± 1.771
2200
2000
1800
1600
1400
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4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
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4278. 2
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4280. 4
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4284. 0
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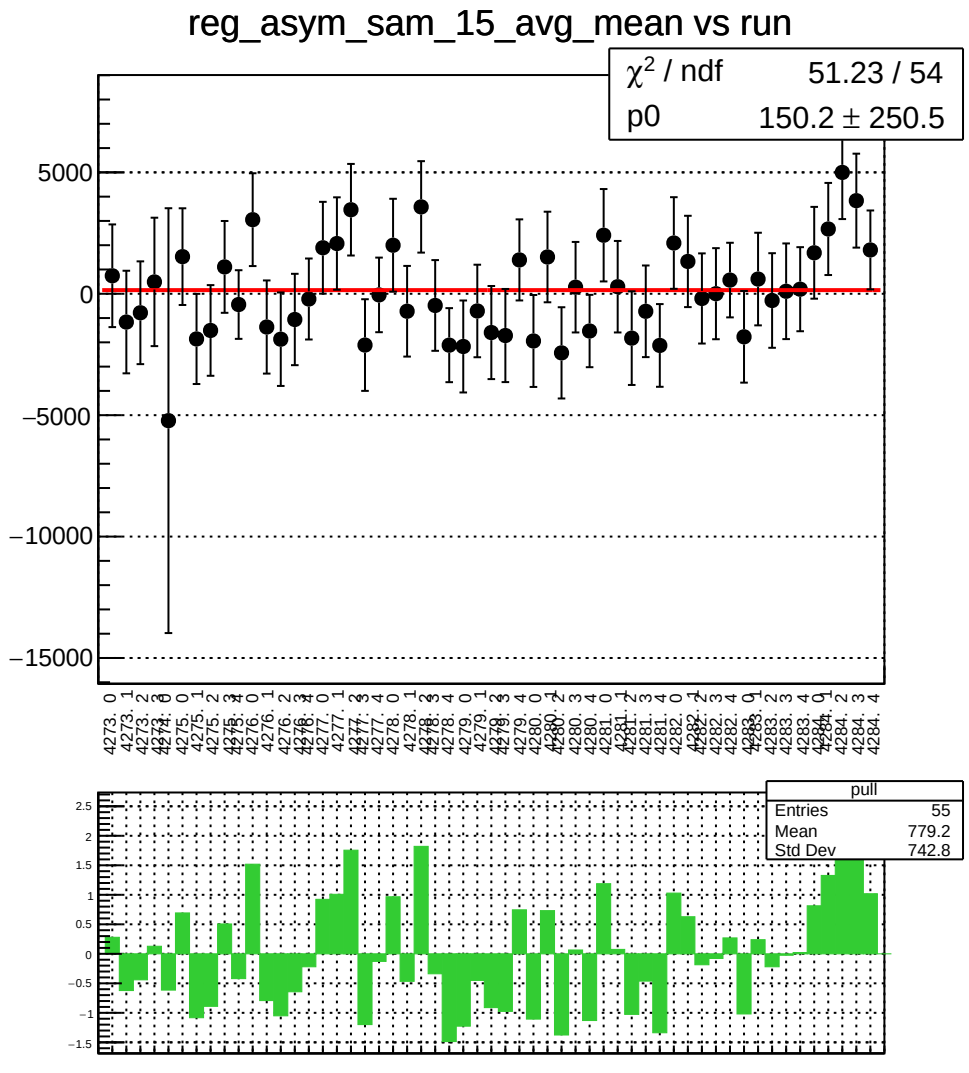
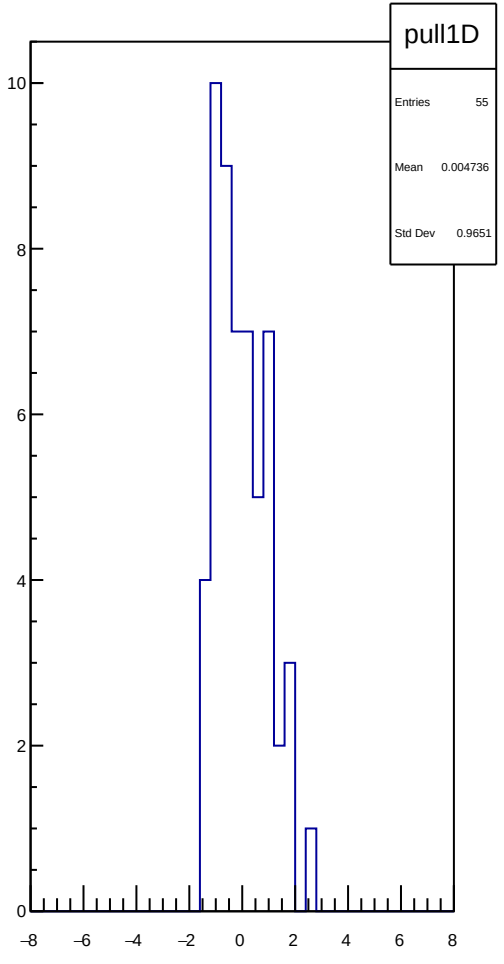
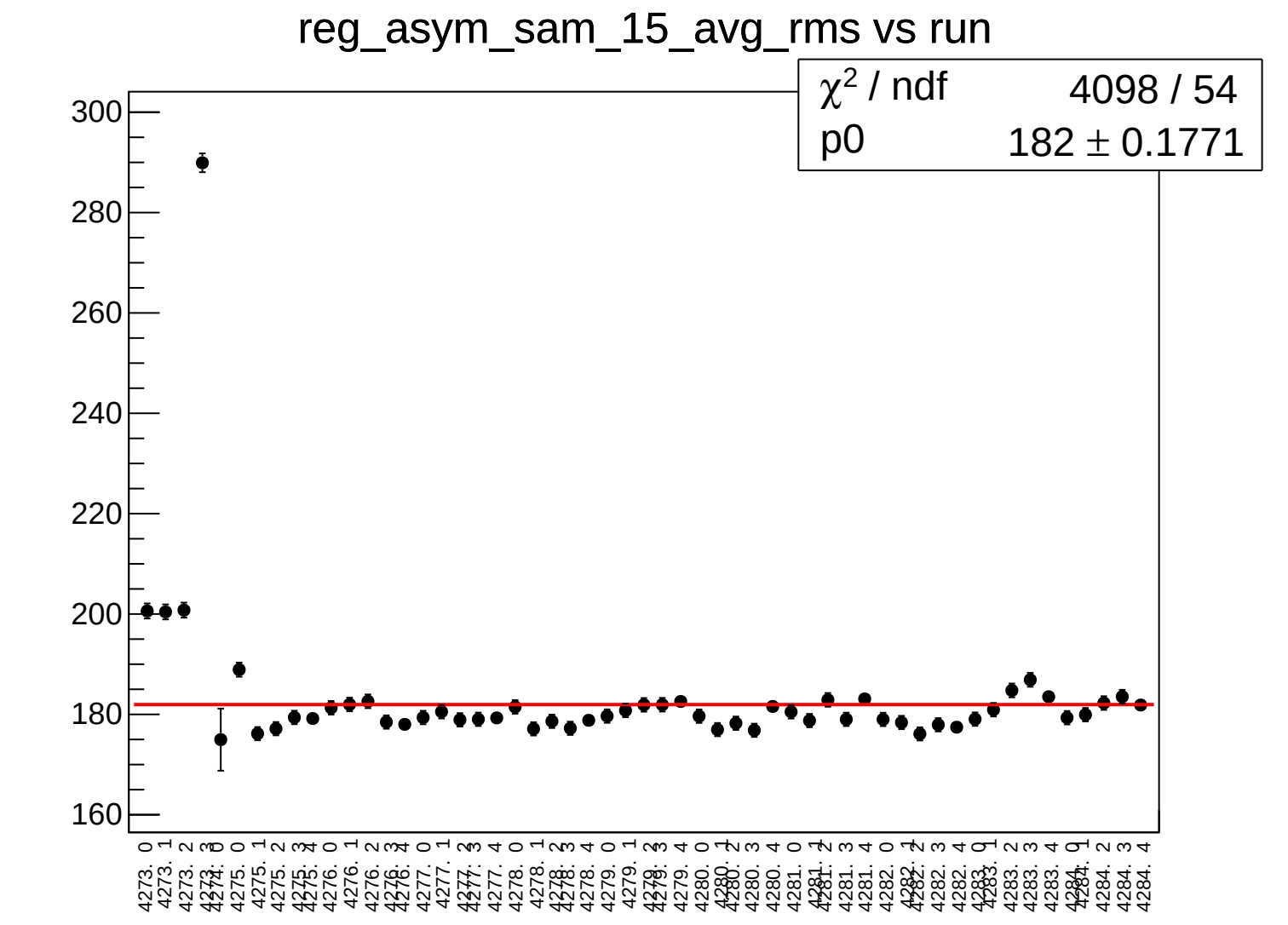
4284. 2
4284. 3
4284. 4


reg_asym_sam_15_avg_mean vs run
χ² / ndf 51.23 / 54
p0 150.2 ± 250.5
5000
0
−5000
−10000
−15000
pull
Entries 55
Mean 779.2
Std Dev 742.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 55
Mean 0.004736
Std Dev 0.9651
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_avg_rms vs run
χ² / ndf 4098 / 54
p0 182 ± 0.1771
300
280
260
240
220
200
180
160
4273. 0
4273. 1
4273. 2
4273. 3
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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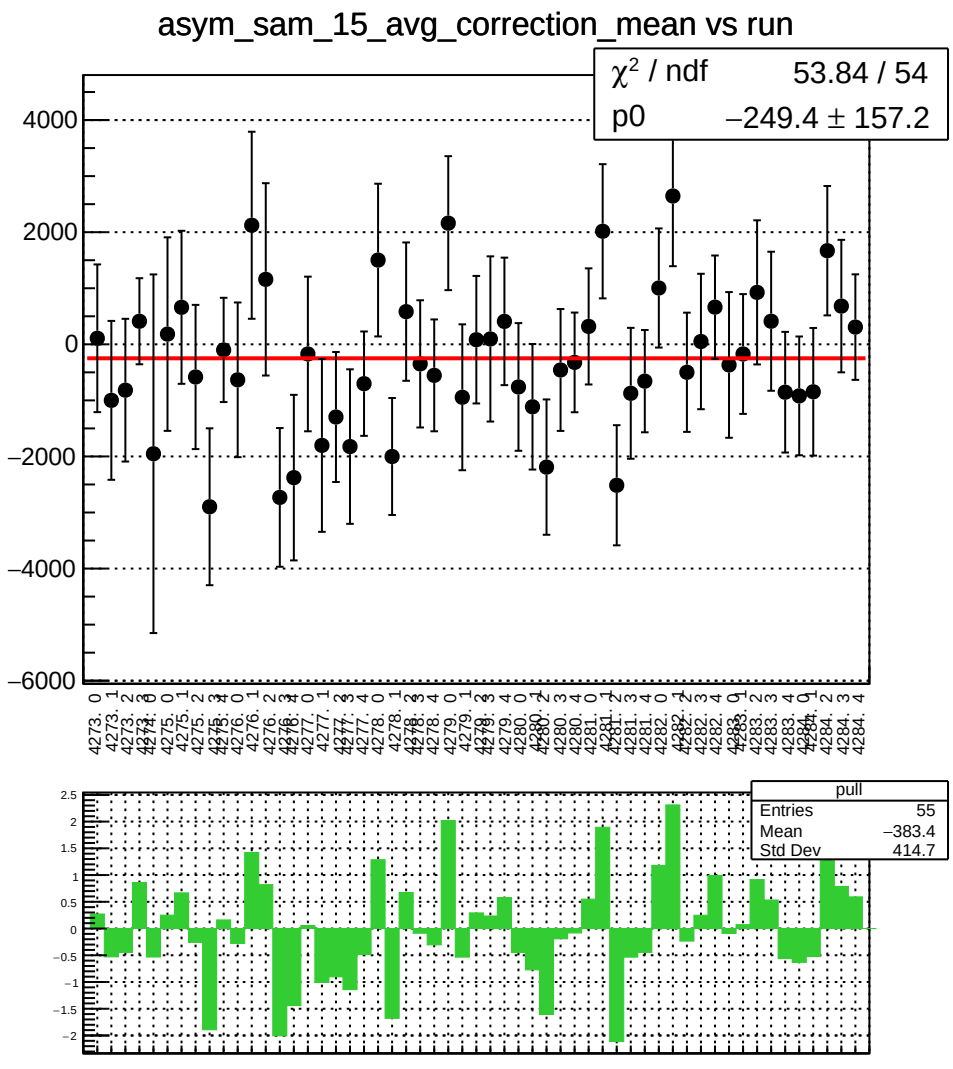
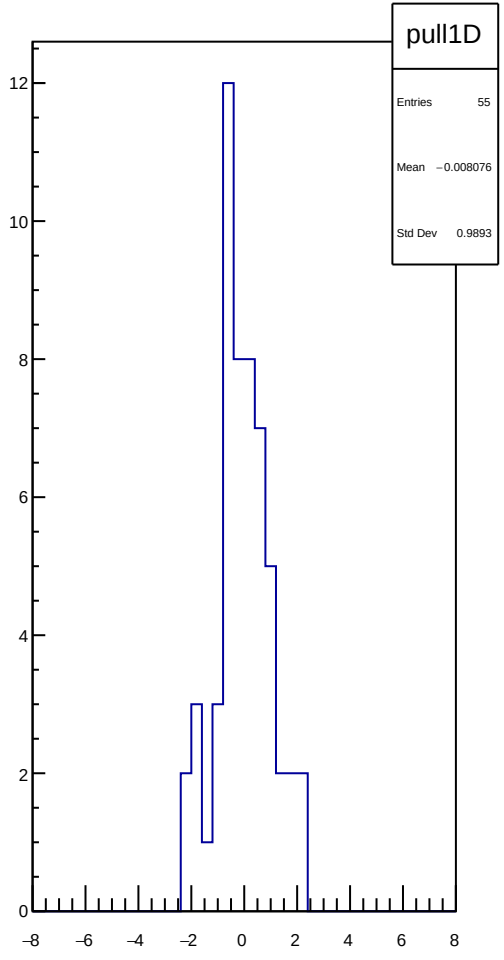
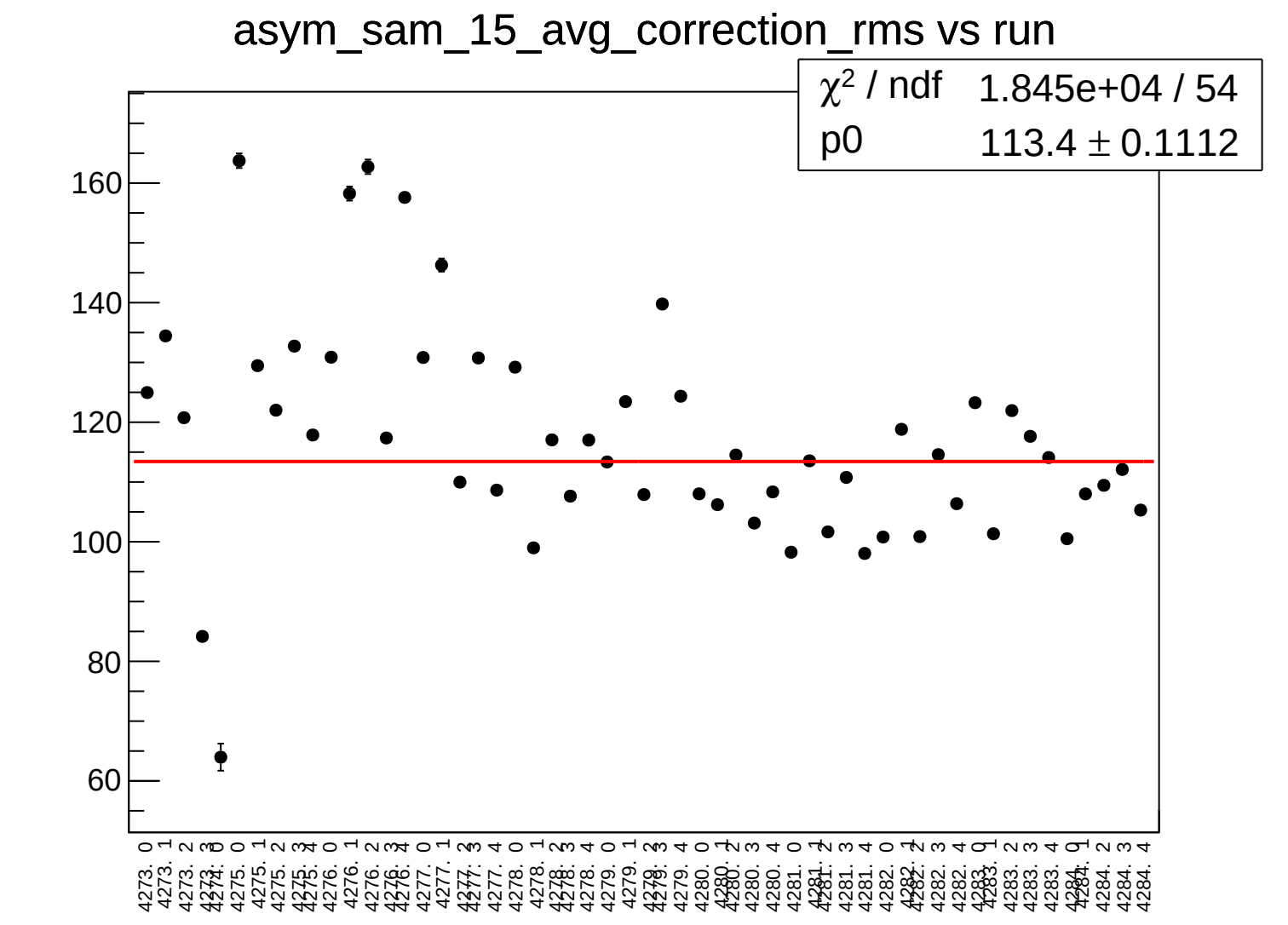
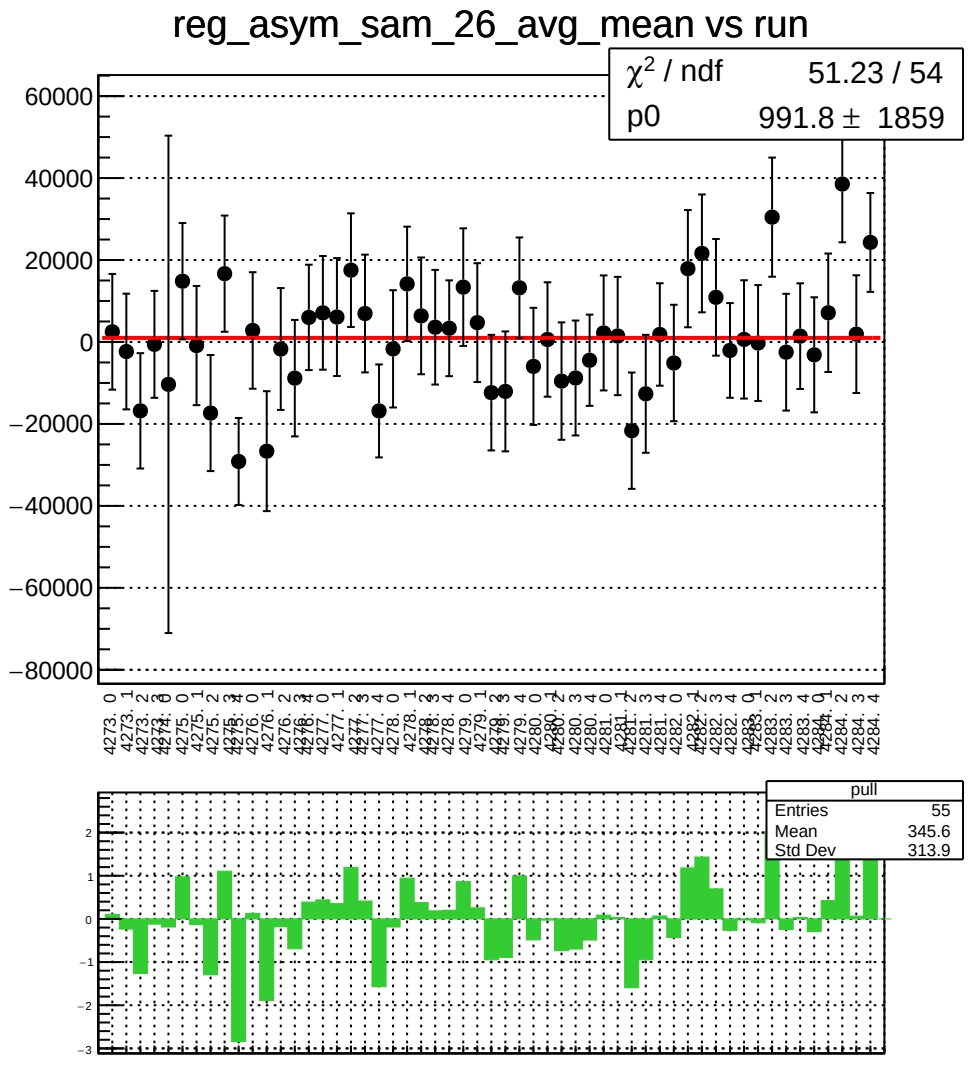
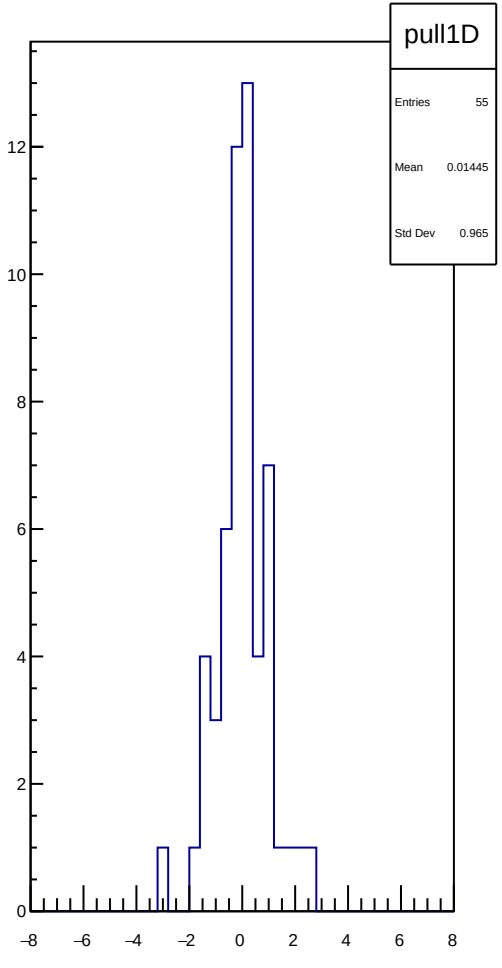
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

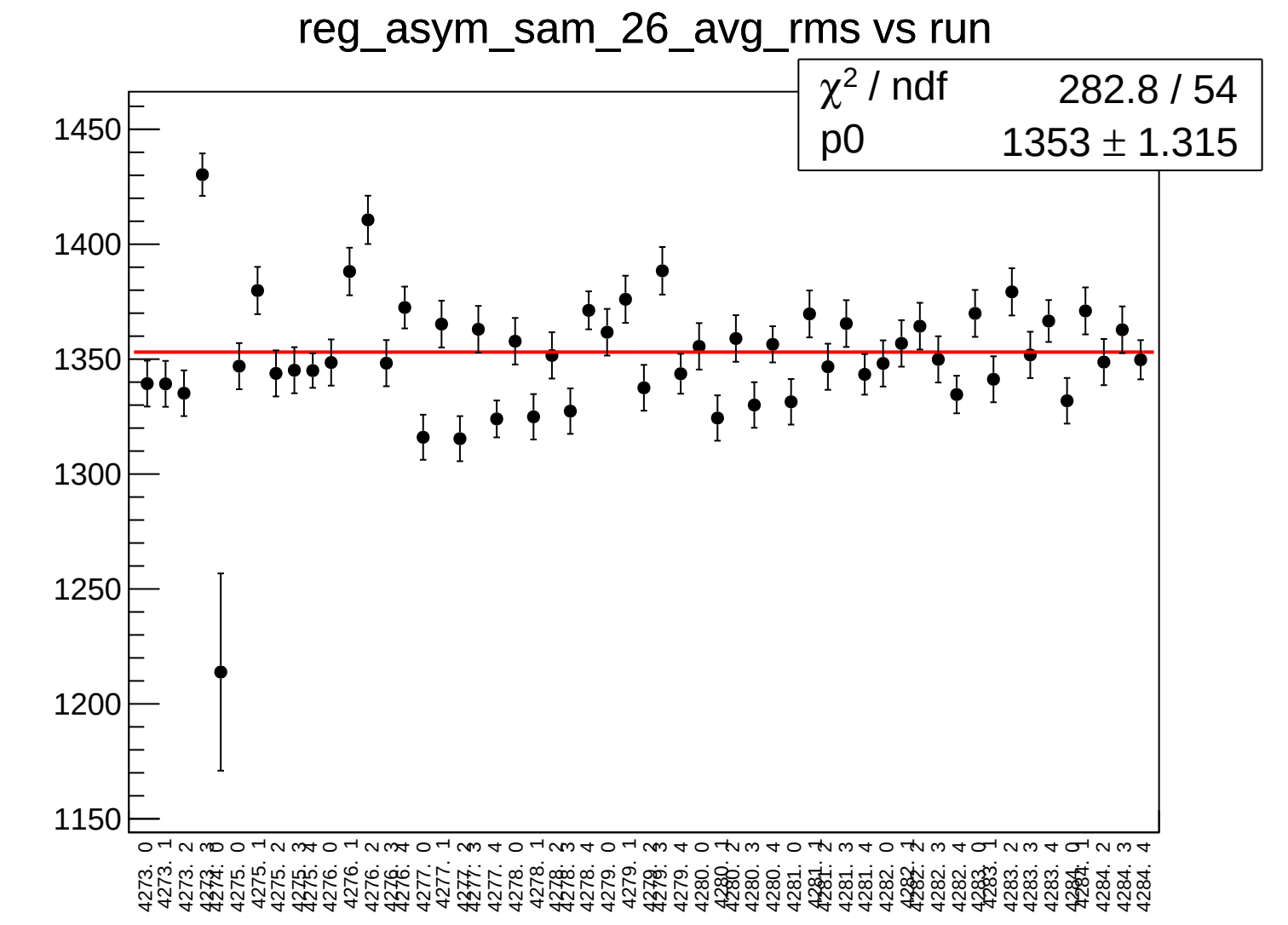

asym_sam_15_avg_correction_mean vs run
χ² / ndf 53.84 / 54
p0 −249.4 ± 157.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 55
Mean −383.4
Std Dev 414.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 55
Mean −0.008076
Std Dev 0.9893
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.845e+04 / 54
p0 113.4 ± 0.1112
160
140
120
100
80
60
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_sam_26_avg_mean vs run
χ² / ndf 51.23 / 54
p0 991.8 ± 1859
pull
Entries 55
Mean 345.6
Std Dev 313.9


pull1D
Entries 55
Mean 0.01445
Std Dev 0.965


reg_asym_sam_26_avg_rms vs run
χ² / ndf 282.8 / 54
p0 1353 ± 1.315
1450
1400
1350
1300
1250
1200
1150
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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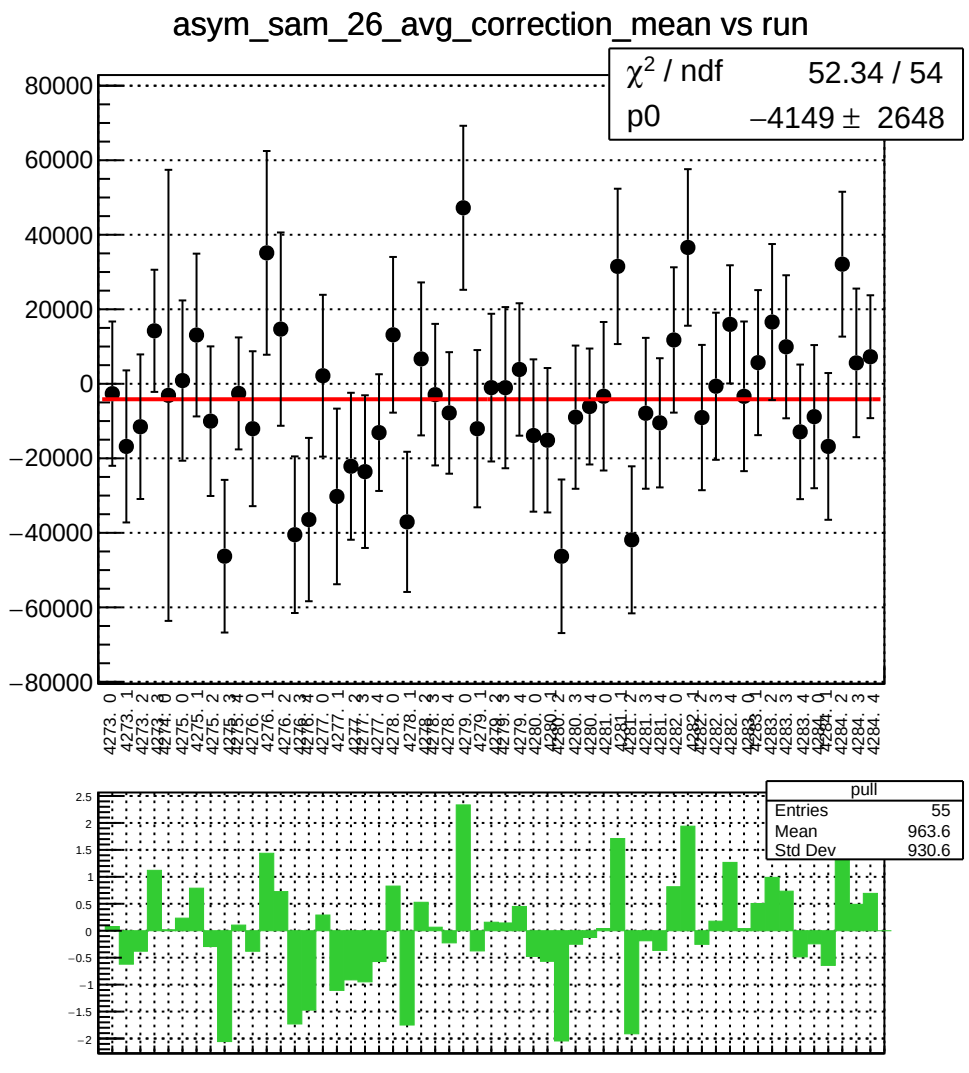
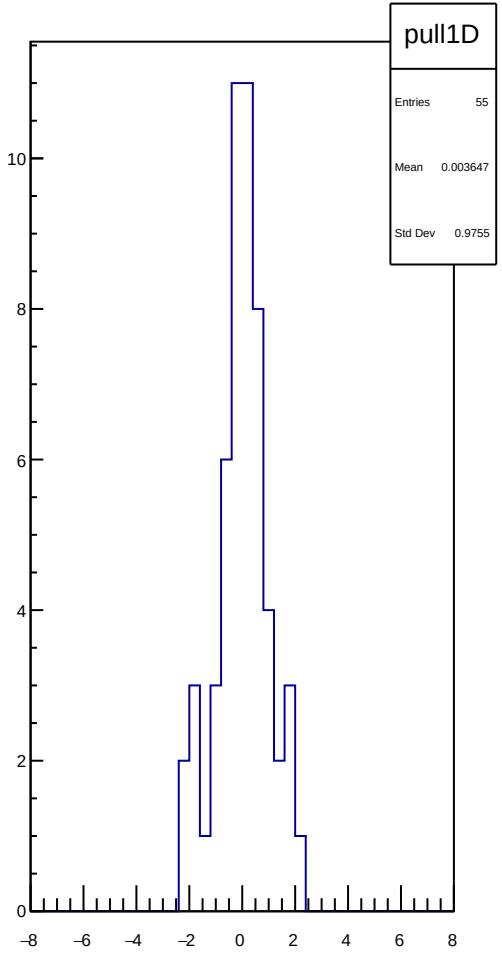
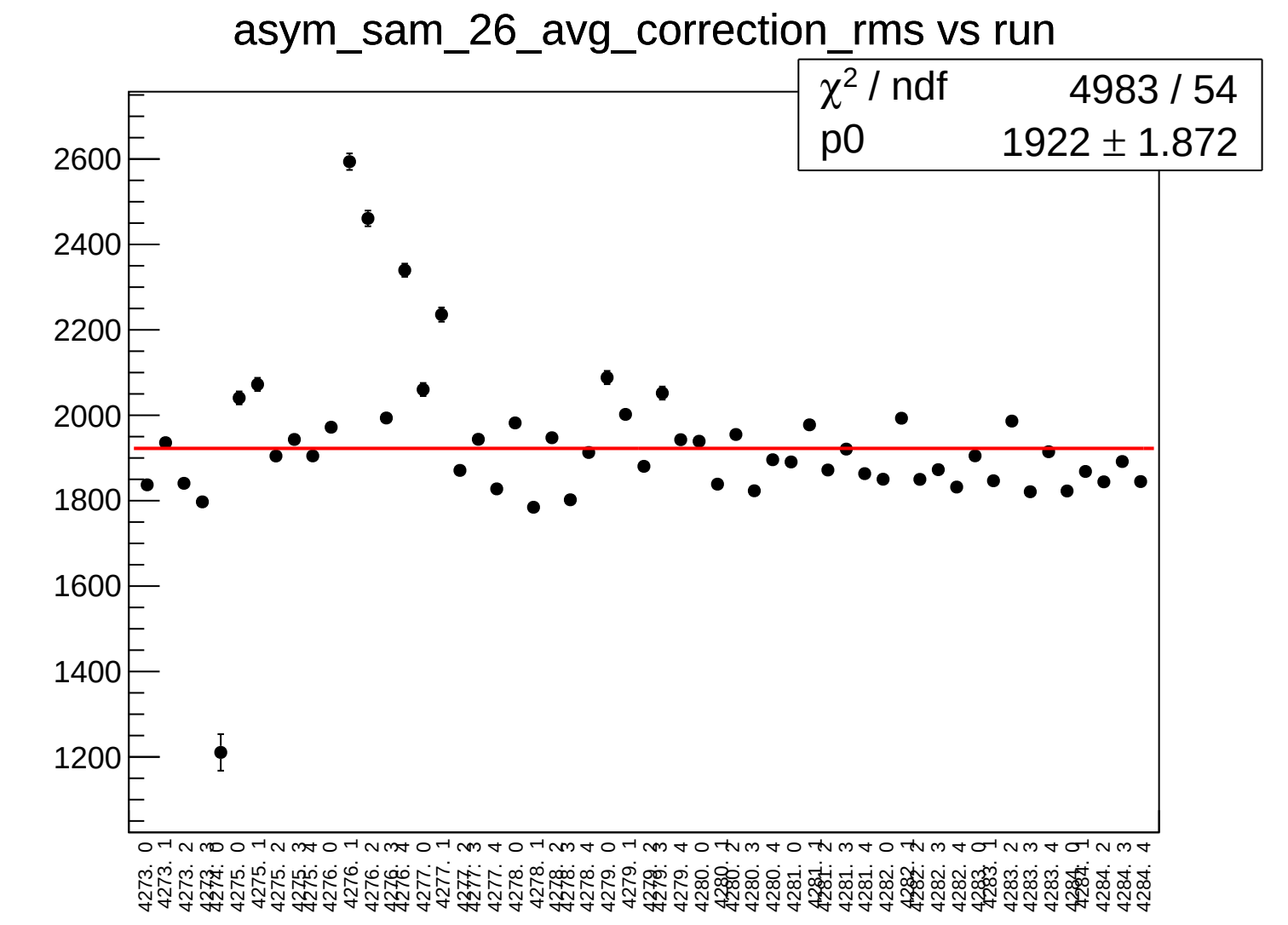
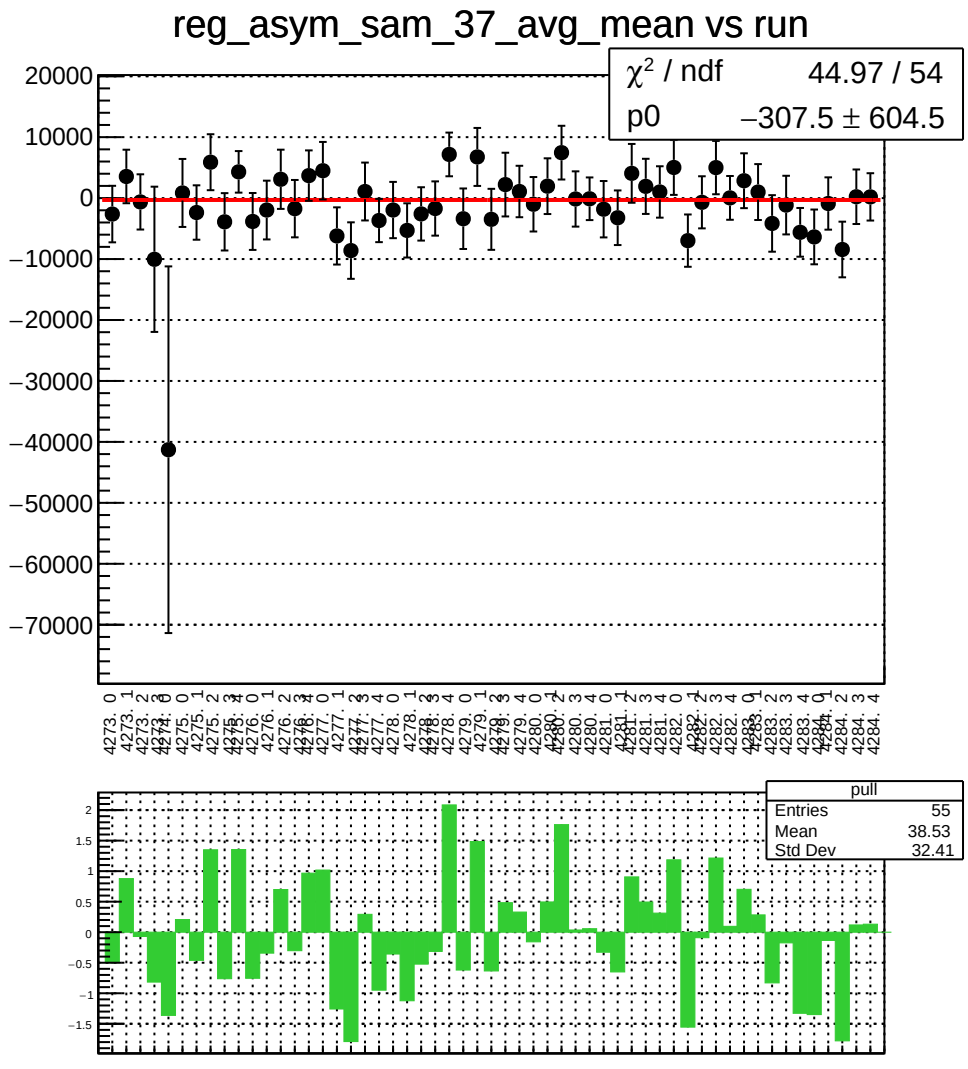
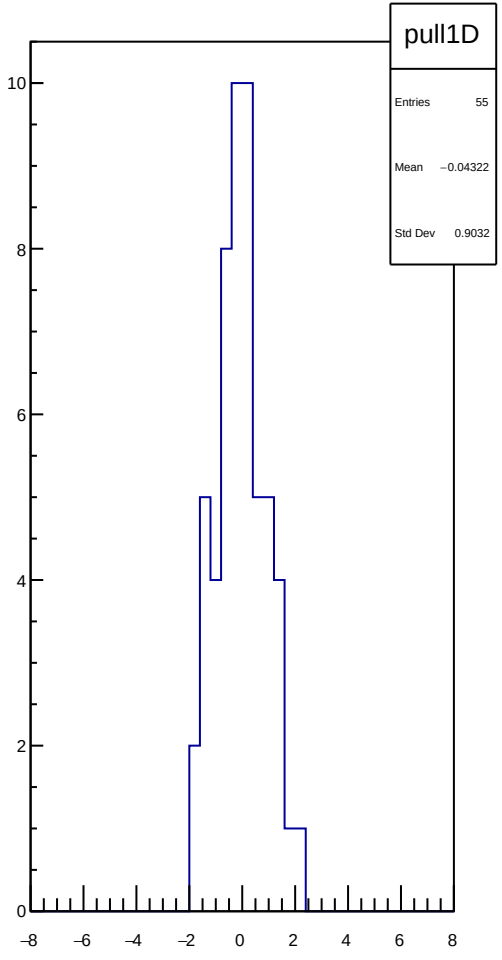
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

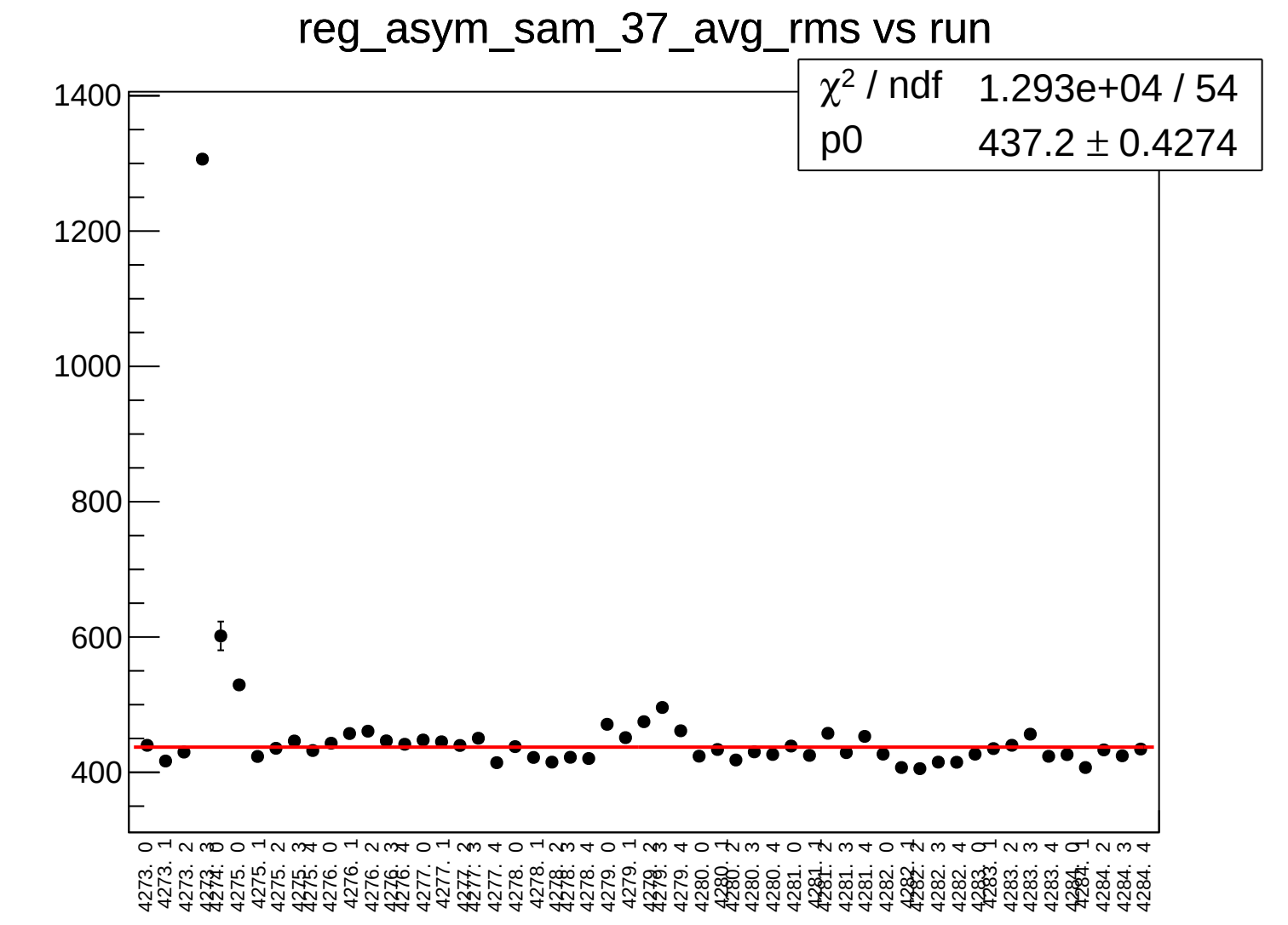

asym_sam_26_avg_correction_mean vs run
χ² / ndf 52.34 / 54
p0 −4149 ± 2648
pull
Entries 55
Mean 963.6
Std Dev 930.6

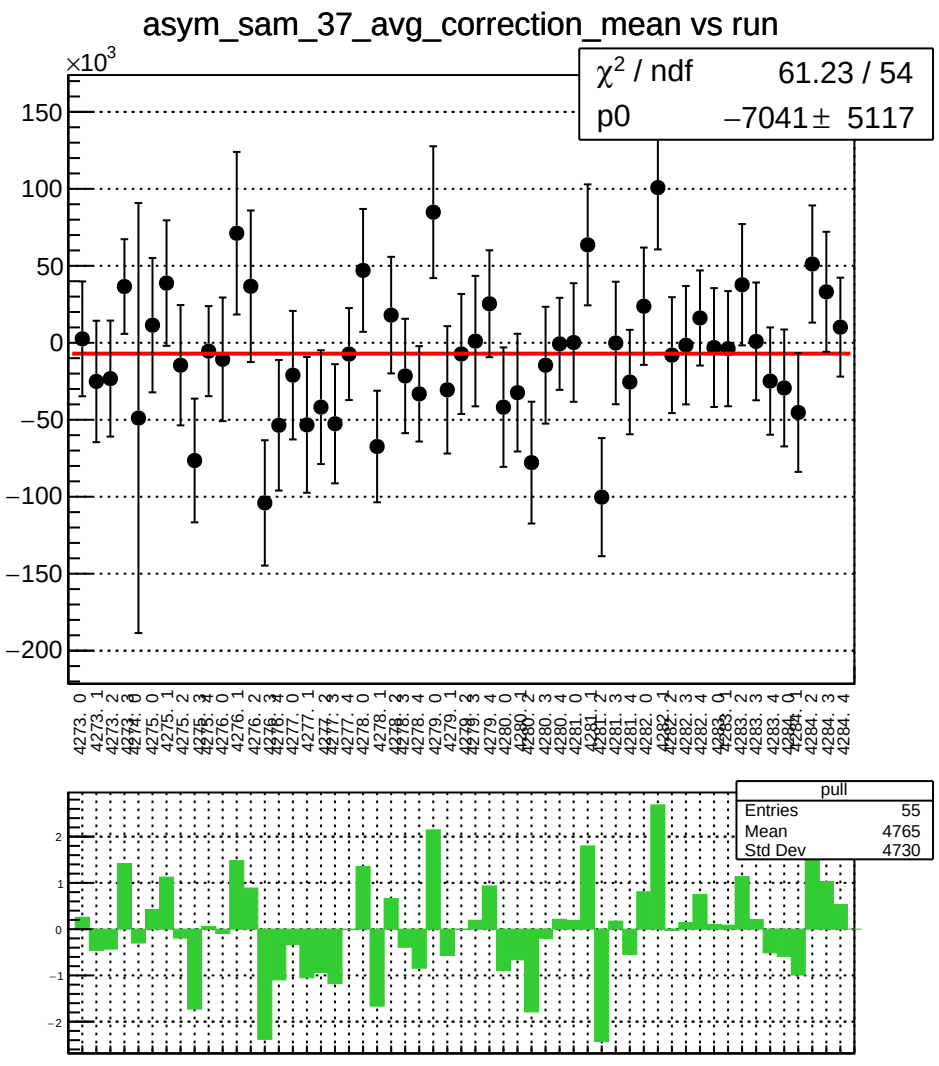

pull1D
Entries 55
Mean 0.003647
Std Dev 0.9755

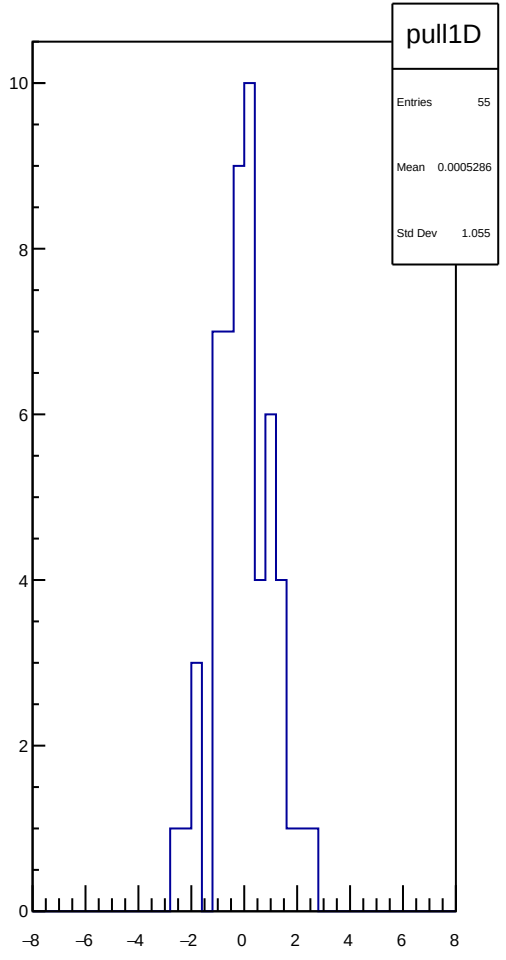

asym_sam_26_avg_correction_rms vs run
χ² / ndf 4983 / 54
p0 1922 ± 1.872
2600
2400
2200
2000
1800
1600
1400
1200
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

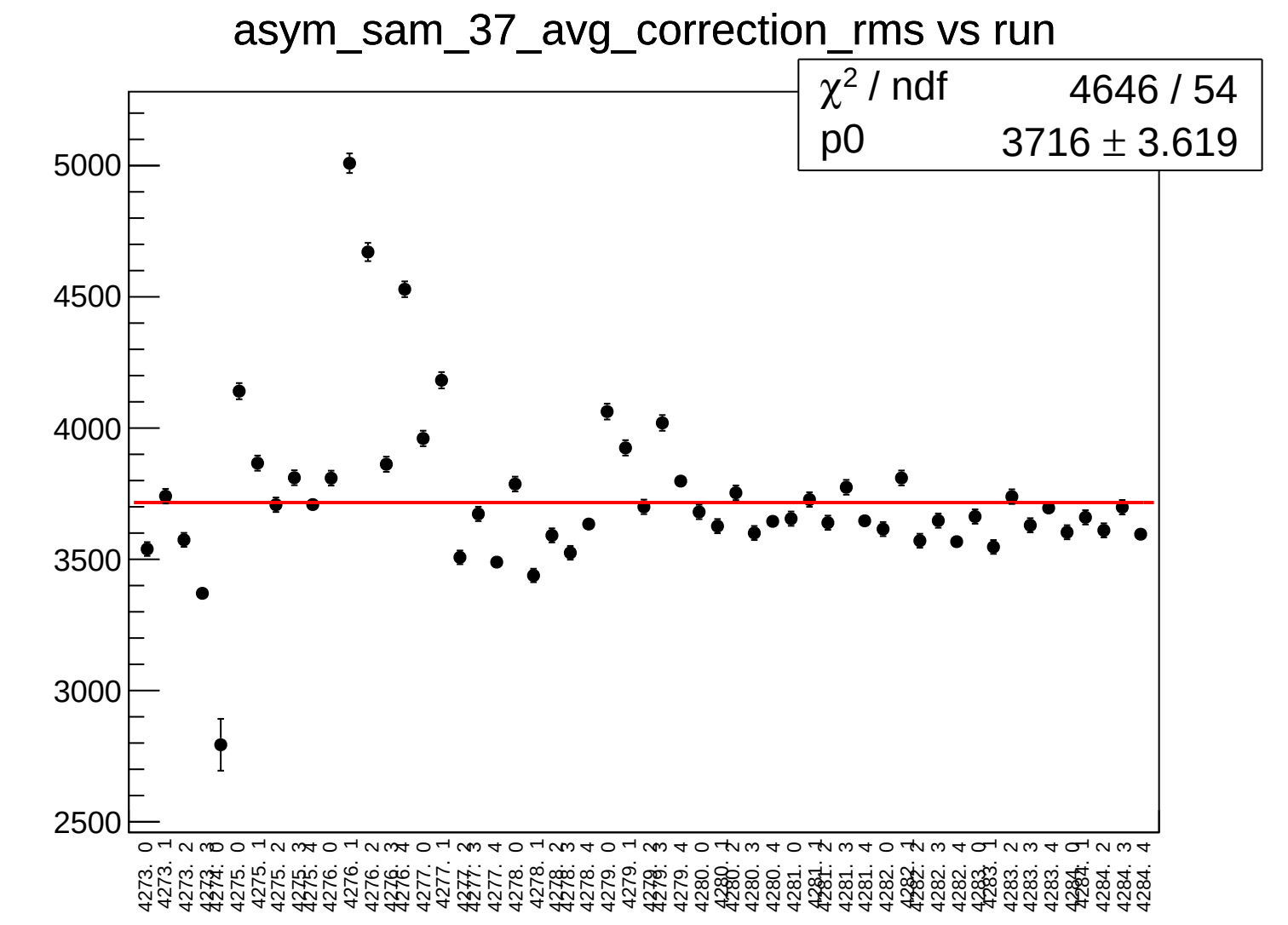

reg_asym_sam_37_avg_mean vs run
χ² / ndf 44.97 / 54
p0 −307.5 ± 604.5
pull
Entries 55
Mean 38.53
Std Dev 32.41


pull1D
Entries 55
Mean −0.04322
Std Dev 0.9032


reg_asym_sam_37_avg_rms vs run
χ² / ndf 1.293e+04 / 54
p0 437.2 ± 0.4274
1400
1200
1000
800
600
400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam_37_avg_correction_mean vs run
×10^3
χ^2 / ndf 61.23 / 54
p0 −7041 ± 5117
150
100
50
0
−50
−100
−150
−200
pull
Entries 55
Mean 4765
Std Dev 4730
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.0005286
Std Dev 1.055
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_correction_rms vs run
χ² / ndf 4646 / 54
p0 3716 ± 3.619
5000
4500
4000
3500
3000
2500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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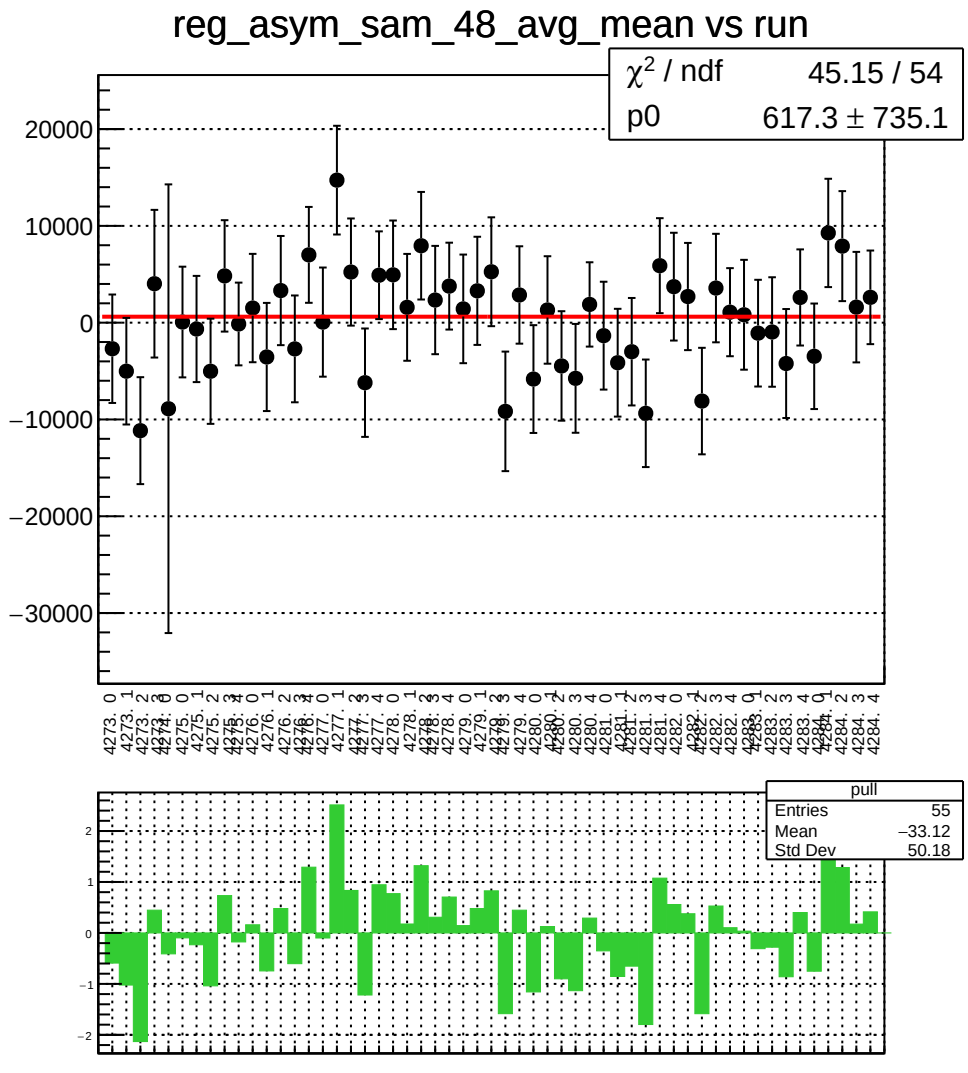
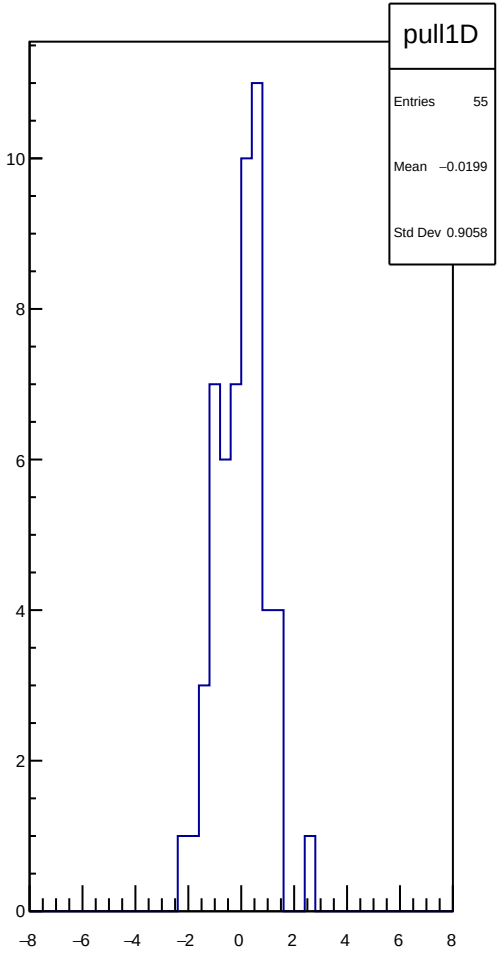
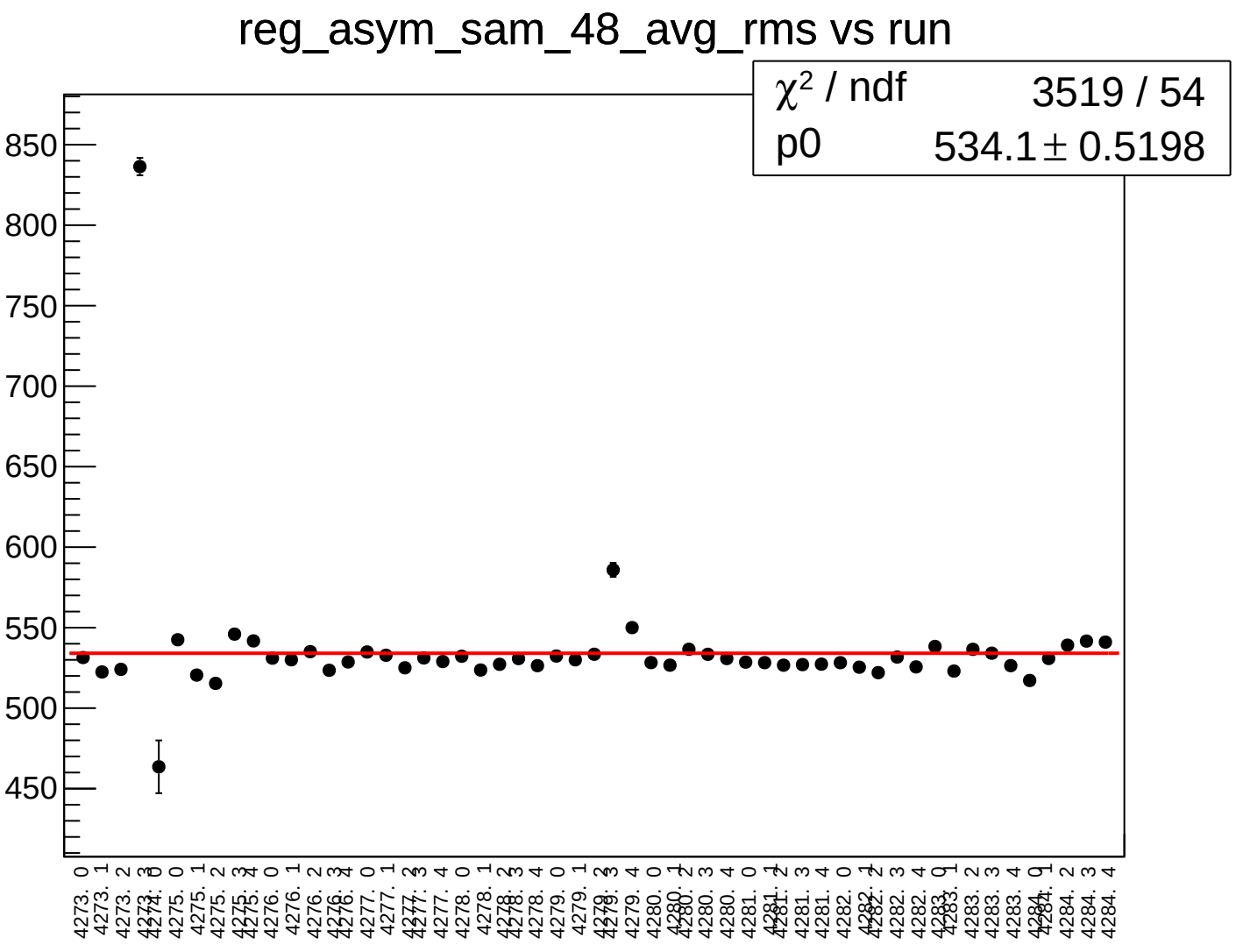
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_sam_48_avg_mean vs run
χ² / ndf 45.15 / 54
p0 617.3 ± 735.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 55
Mean −33.12
Std Dev 50.18
2
1
0
−1
−2


pull1D
Entries 55
Mean −0.0199
Std Dev 0.9058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_48_avg_rms vs run
χ² / ndf 3519 / 54
p0 534.1 ± 0.5198
850
800
750
700
650
600
550
500
450
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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4283. 2
4283. 3
4283. 4
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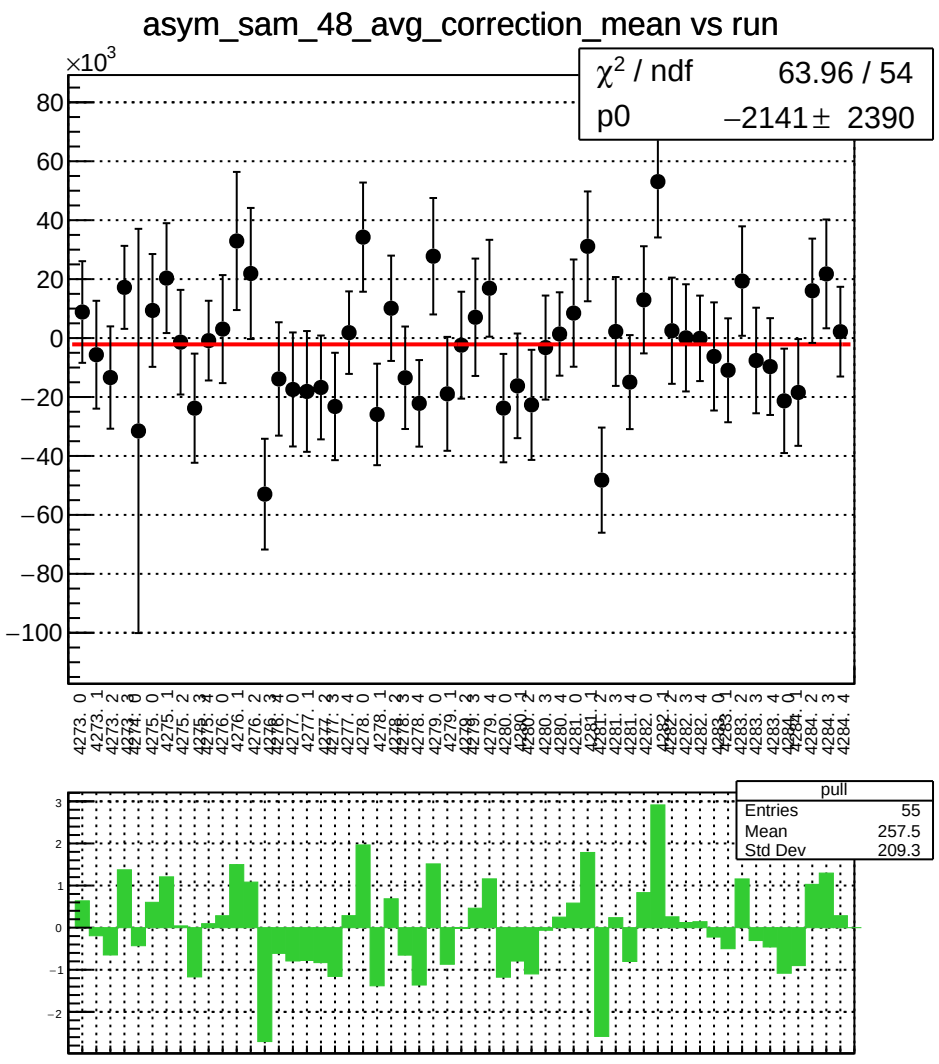
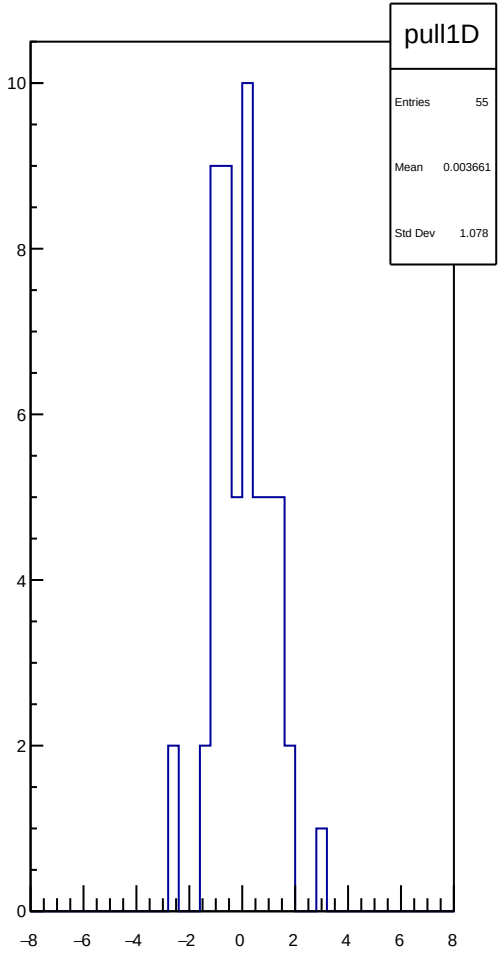
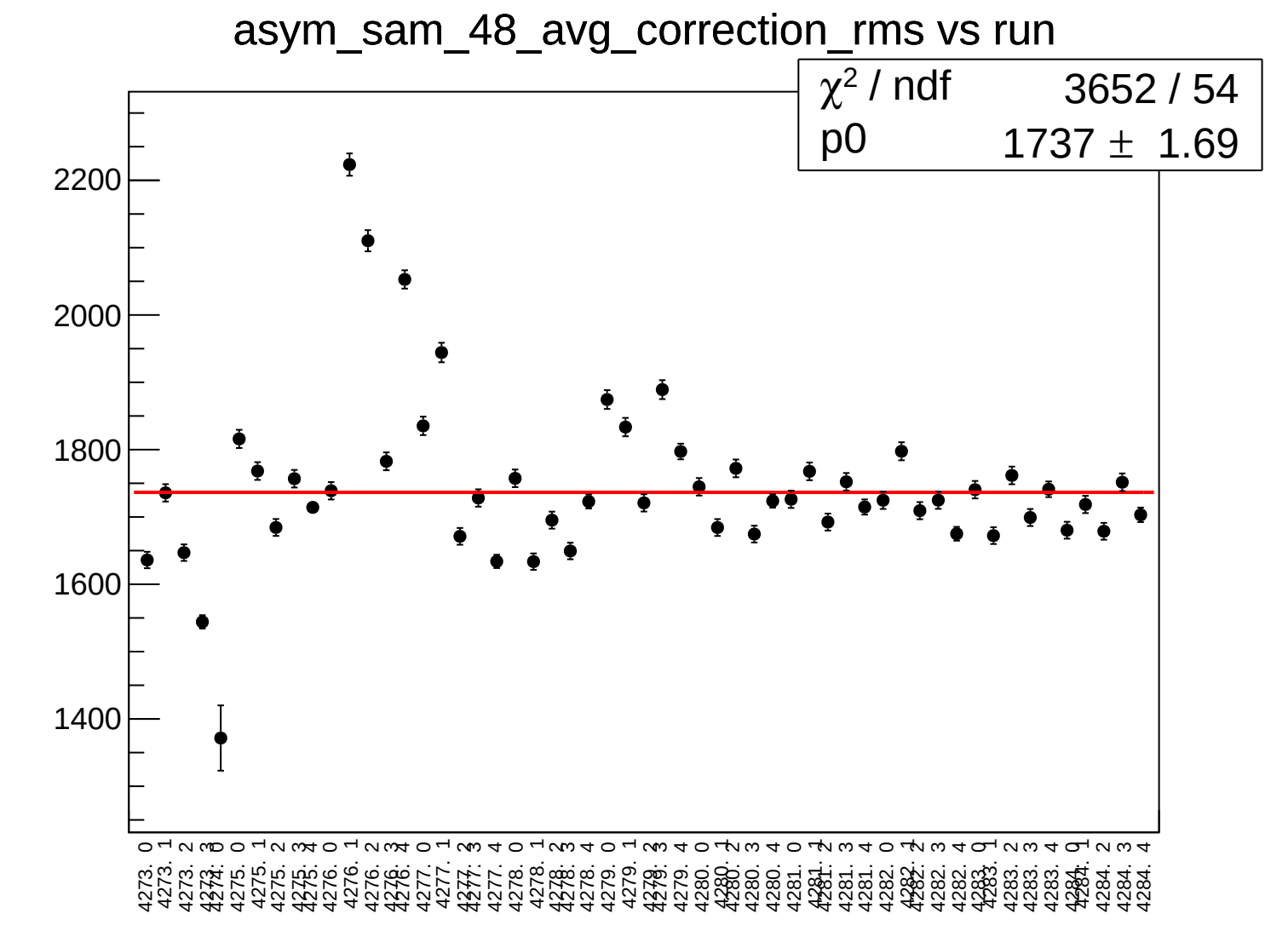
4284. 3
4284. 4


asym_sam_48_avg_correction_mean vs run
χ² / ndf 63.96 / 54
p0 −2141 ± 2390
×10³
pull
Entries 55
Mean 257.5
Std Dev 209.3


pull1D
Entries 55
Mean 0.003661
Std Dev 1.078


asym_sam_48_avg_correction_rms vs run
χ² / ndf 3652 / 54
p0 1737 ± 1.69
2200
2000
1800
1600
1400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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4283. 2
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4284. 2
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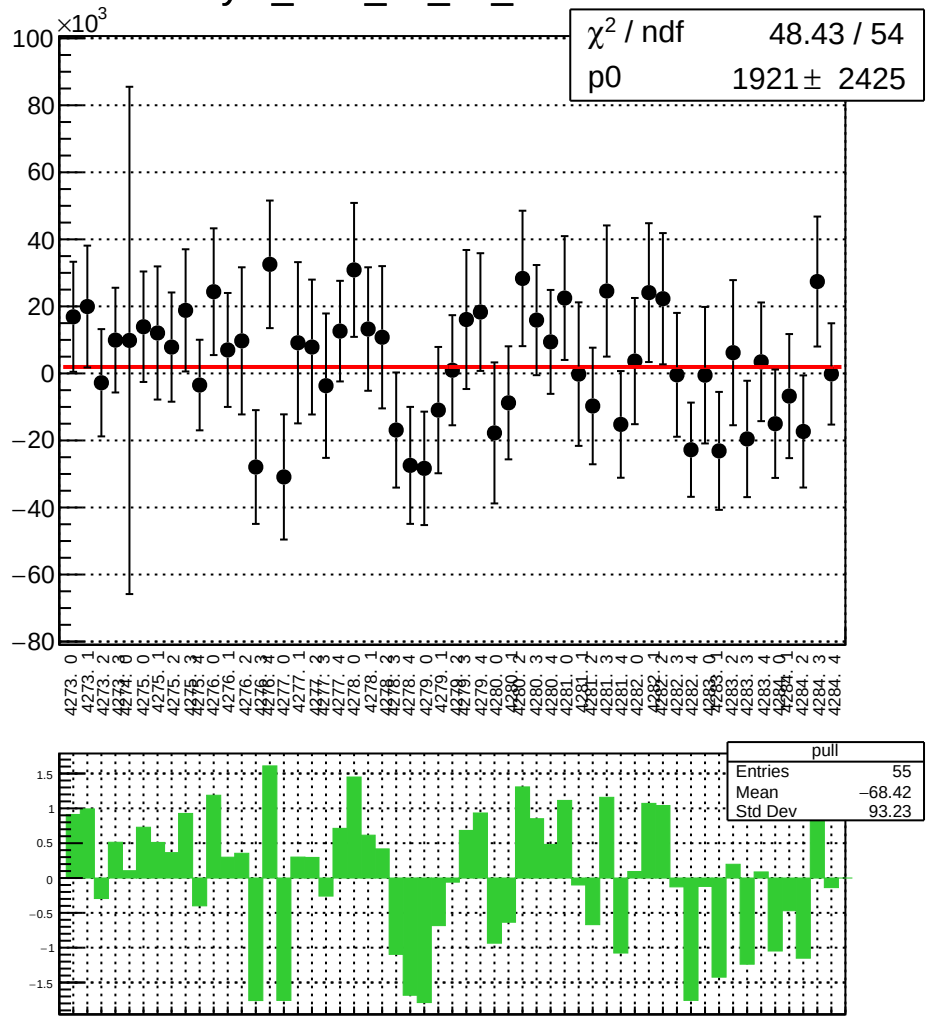
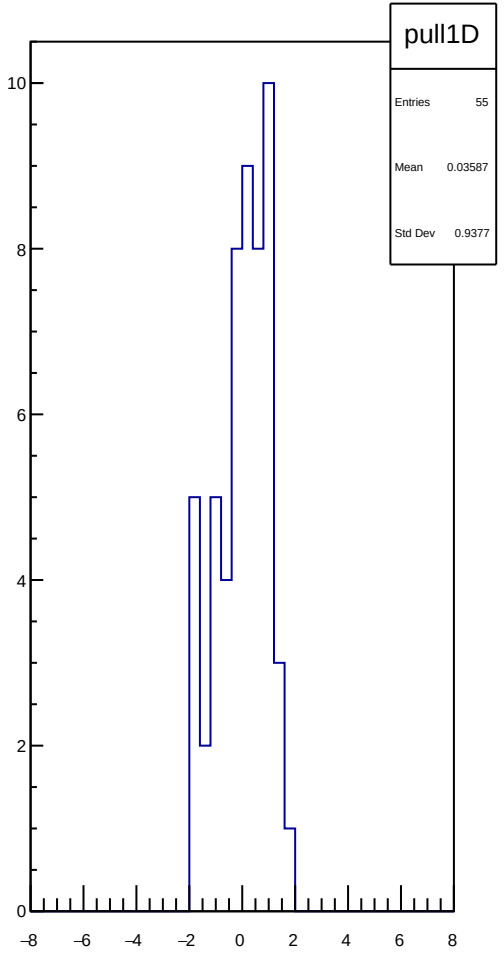
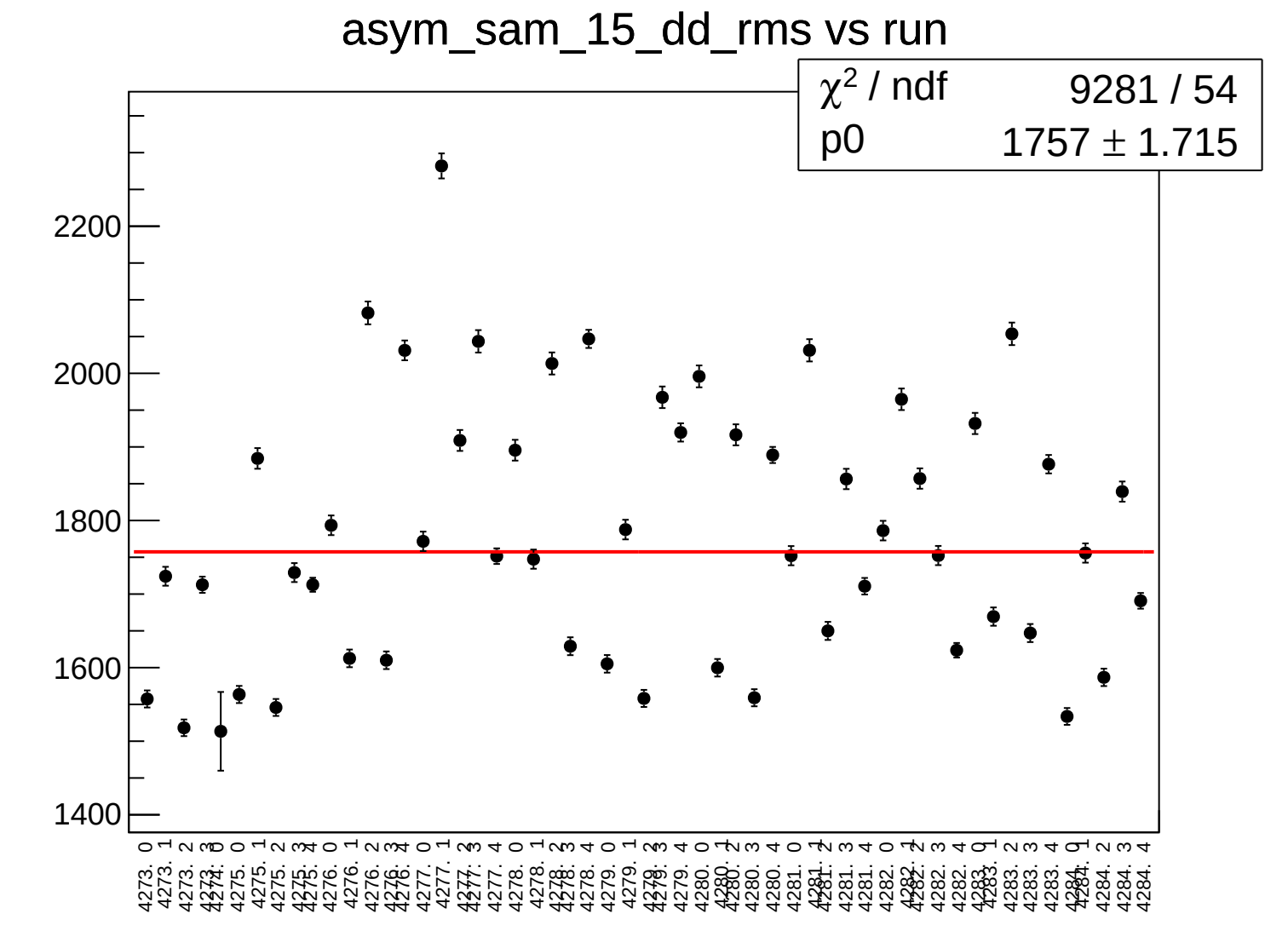
4284. 4


asym_sam_15_dd_mean vs run
χ² / ndf 48.43 / 54
p0 1921 ± 2425
×10³
pull
Entries 55
Mean −68.42
Std Dev 93.23


pull1D
Entries 55
Mean 0.03587
Std Dev 0.9377


asym_sam_15_dd_rms vs run
χ^2 / ndf 9281 / 54
p0 1757 ± 1.715
2200
2000
1800
1600
1400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
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4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
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4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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4284. 0
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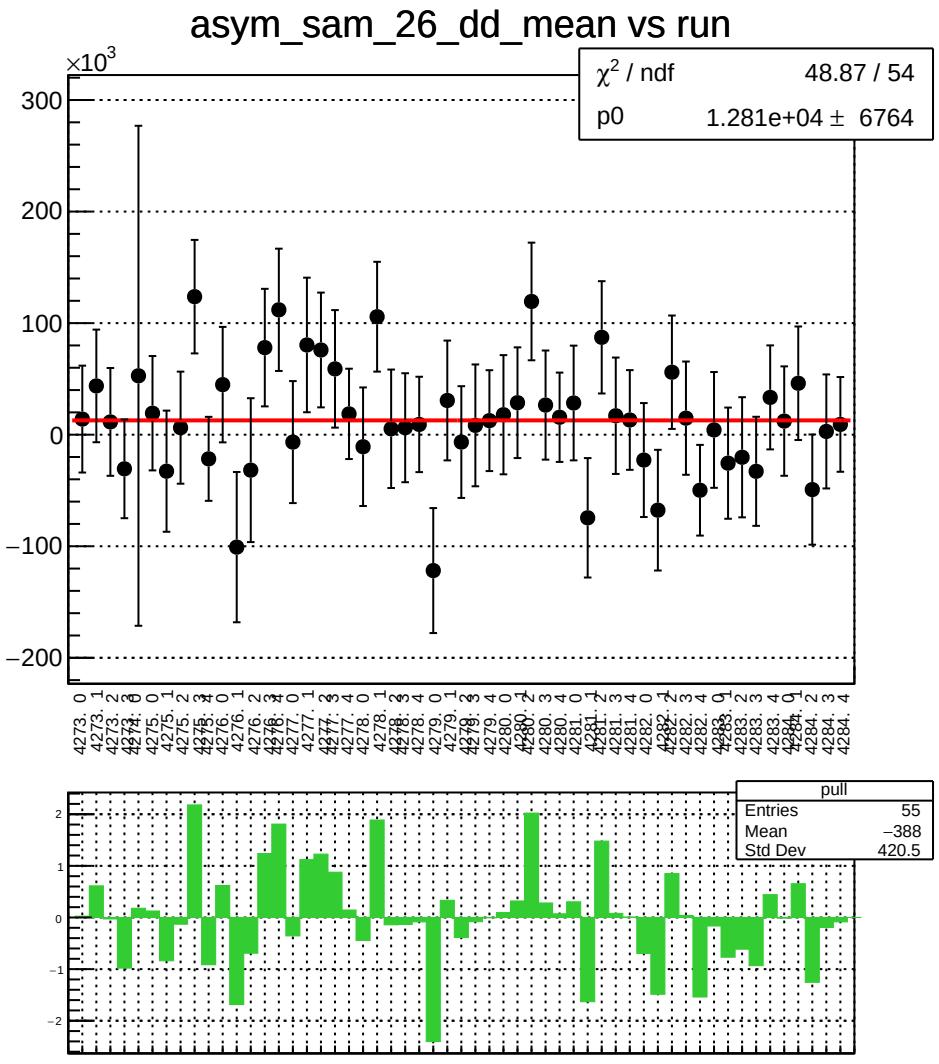
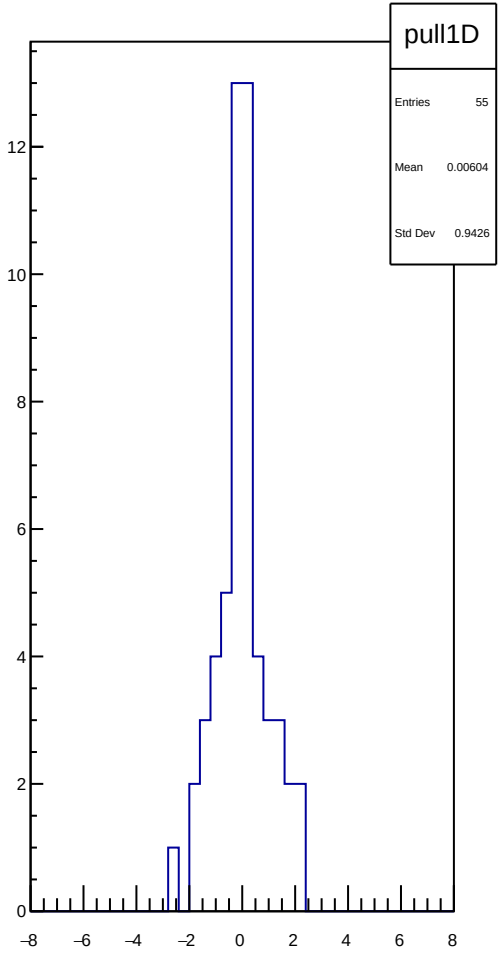
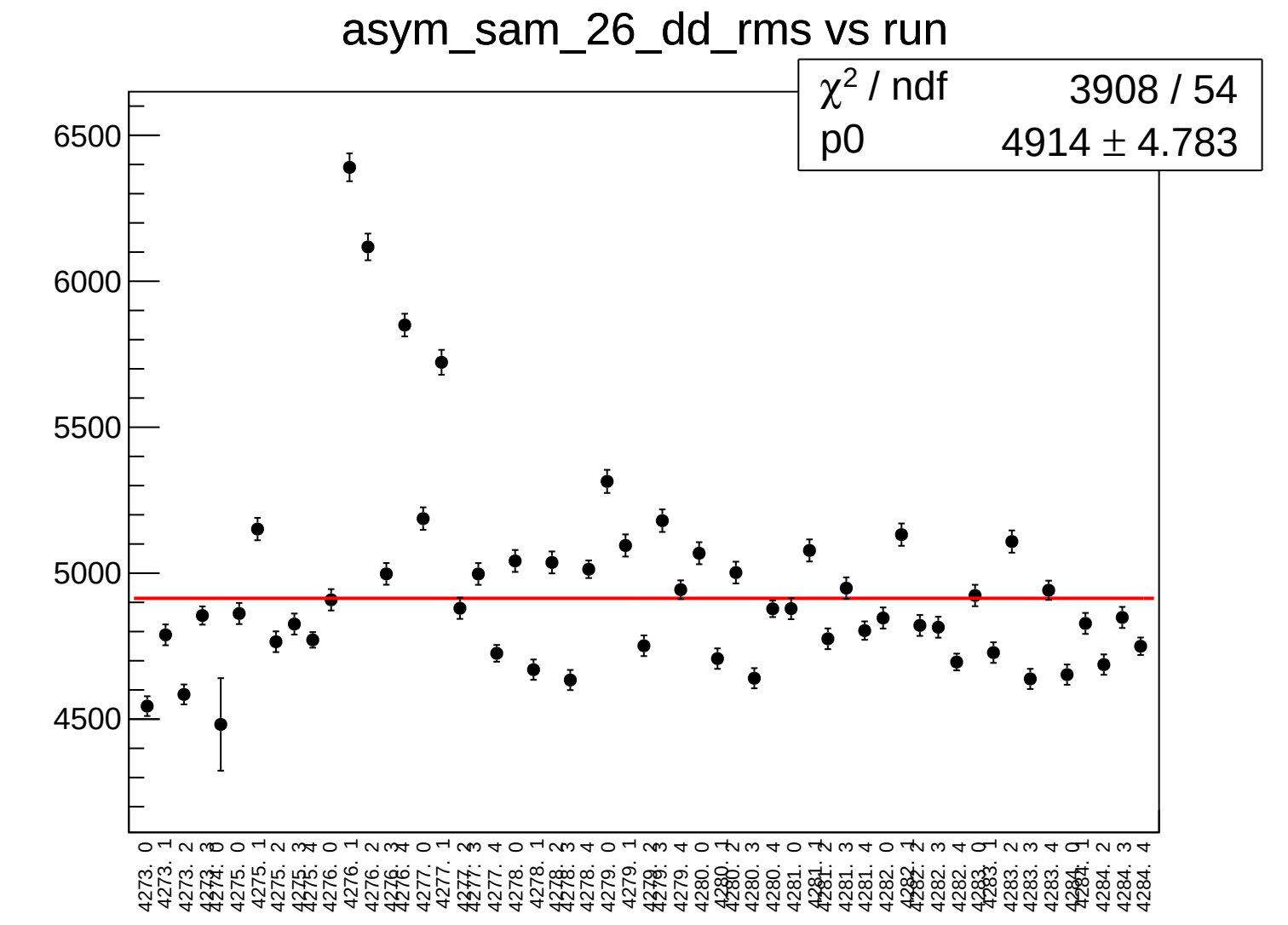
4284. 2
4284. 3
4284. 4


asym_sam_26_dd_mean vs run
χ² / ndf 48.87 / 54
p0 1.281e+04 ± 6764
pull
Entries 55
Mean −388
Std Dev 420.5


pull1D
Entries 55
Mean 0.00604
Std Dev 0.9426


asym_sam_26_dd_rms vs run
χ² / ndf 3908 / 54
p0 4914 ± 4.783
6500
6000
5500
5000
4500
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4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
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4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
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4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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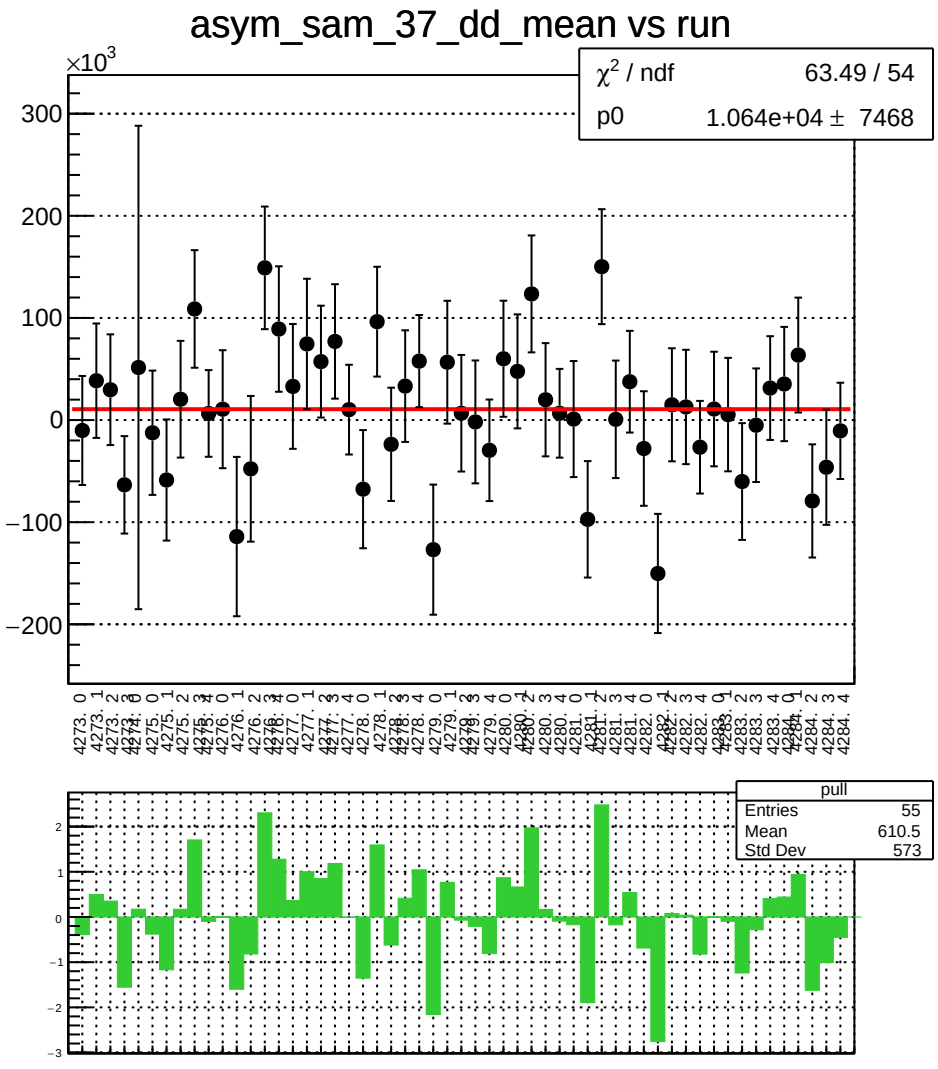
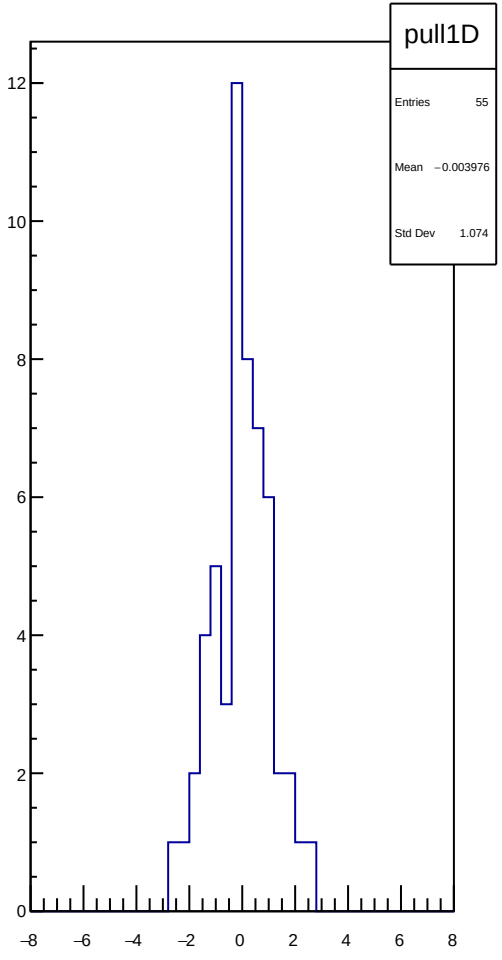
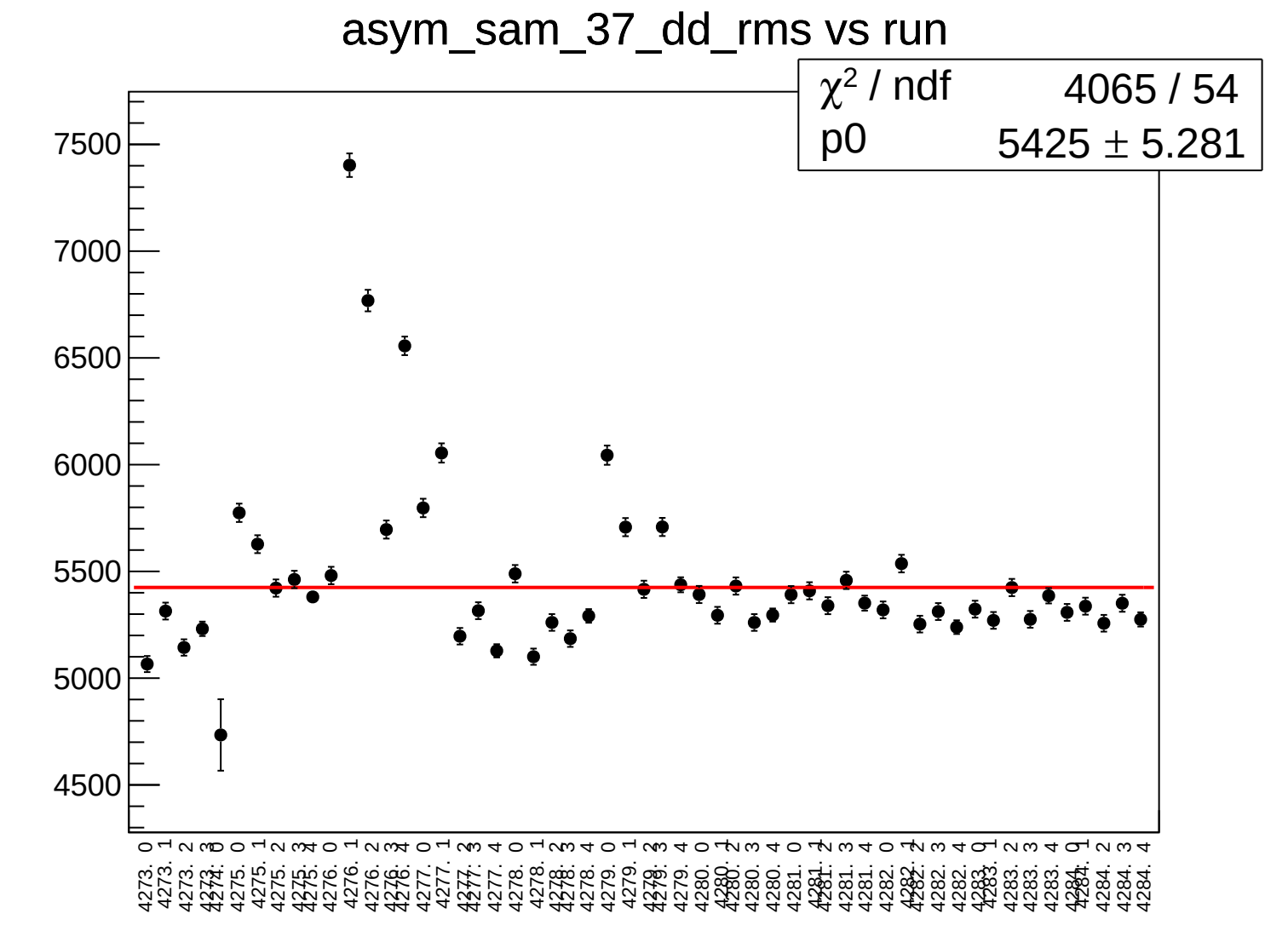
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam_37_dd_mean vs run
×10^3
χ² / ndf 63.49 / 54
p0 1.064e+04 ± 7468
pull
Entries 55
Mean 610.5
Std Dev 573


pull1D
Entries 55
Mean −0.003976
Std Dev 1.074


asym_sam_37_dd_rms vs run
χ^2 / ndf 4065 / 54
p0 5425 ± 5.281
7500
7000
6500
6000
5500
5000
4500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
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4280. 2
4280. 3
4280. 4
4281. 0
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4281. 2
4281. 3
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4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
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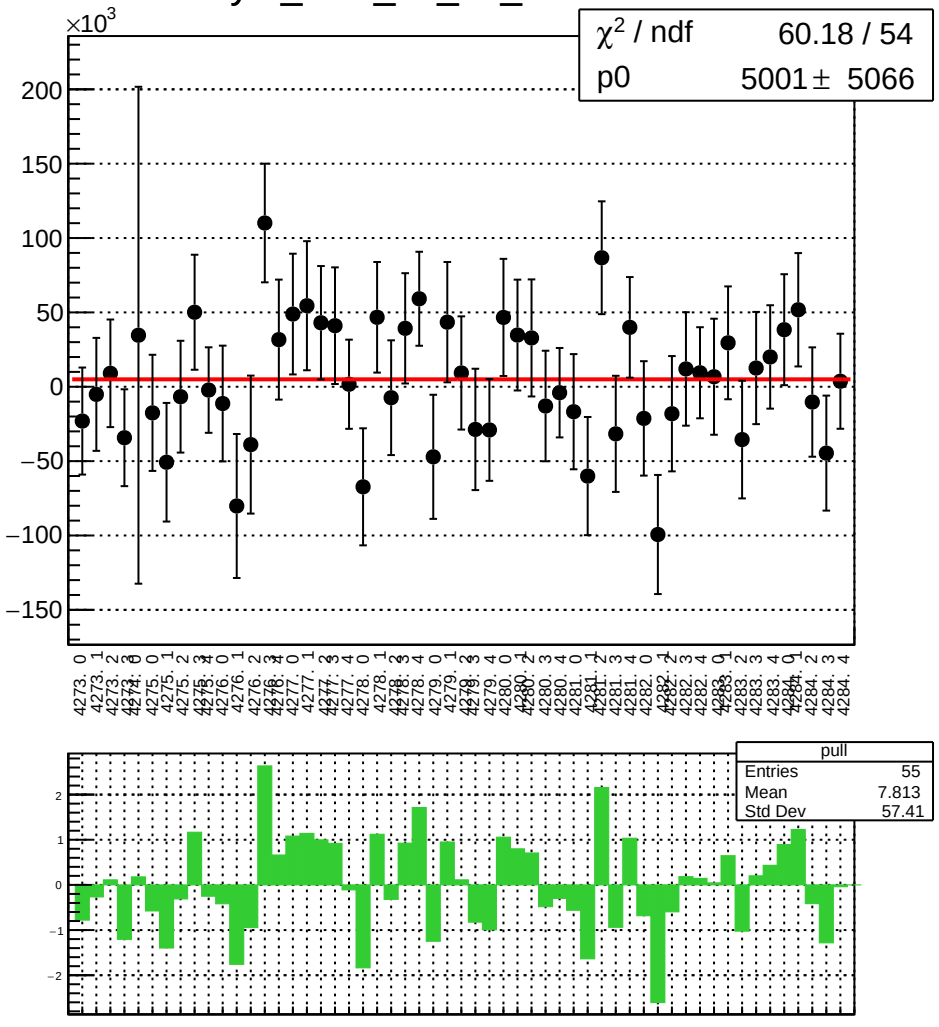
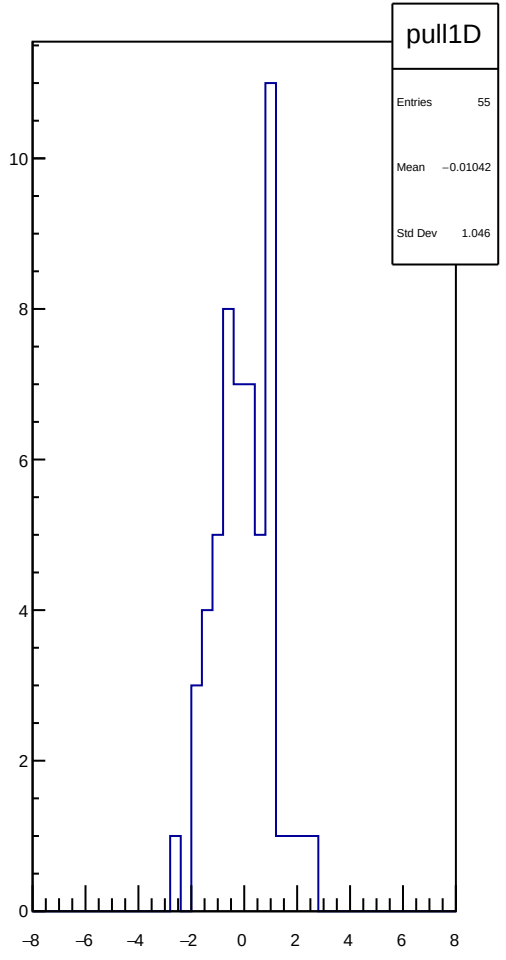
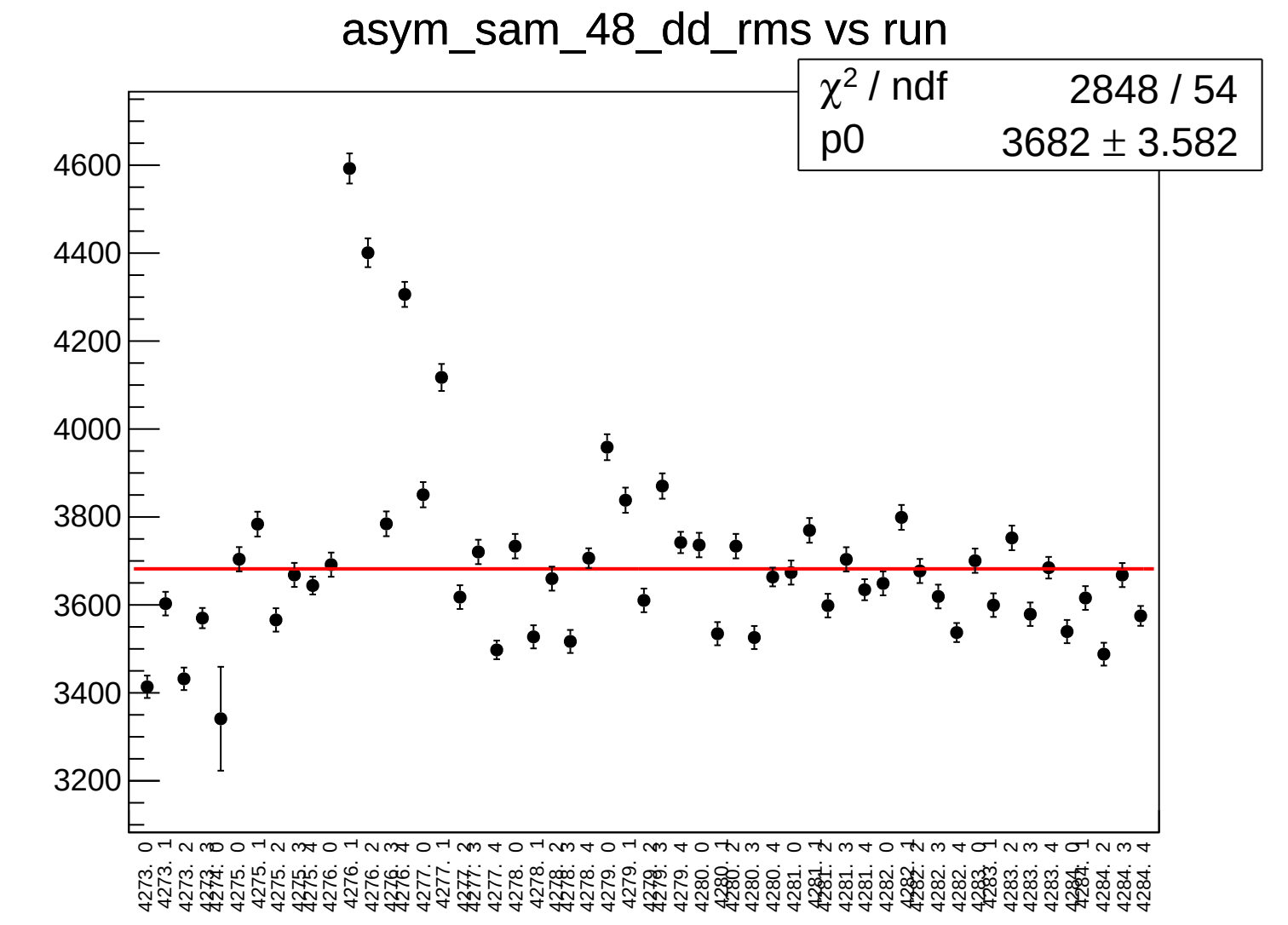
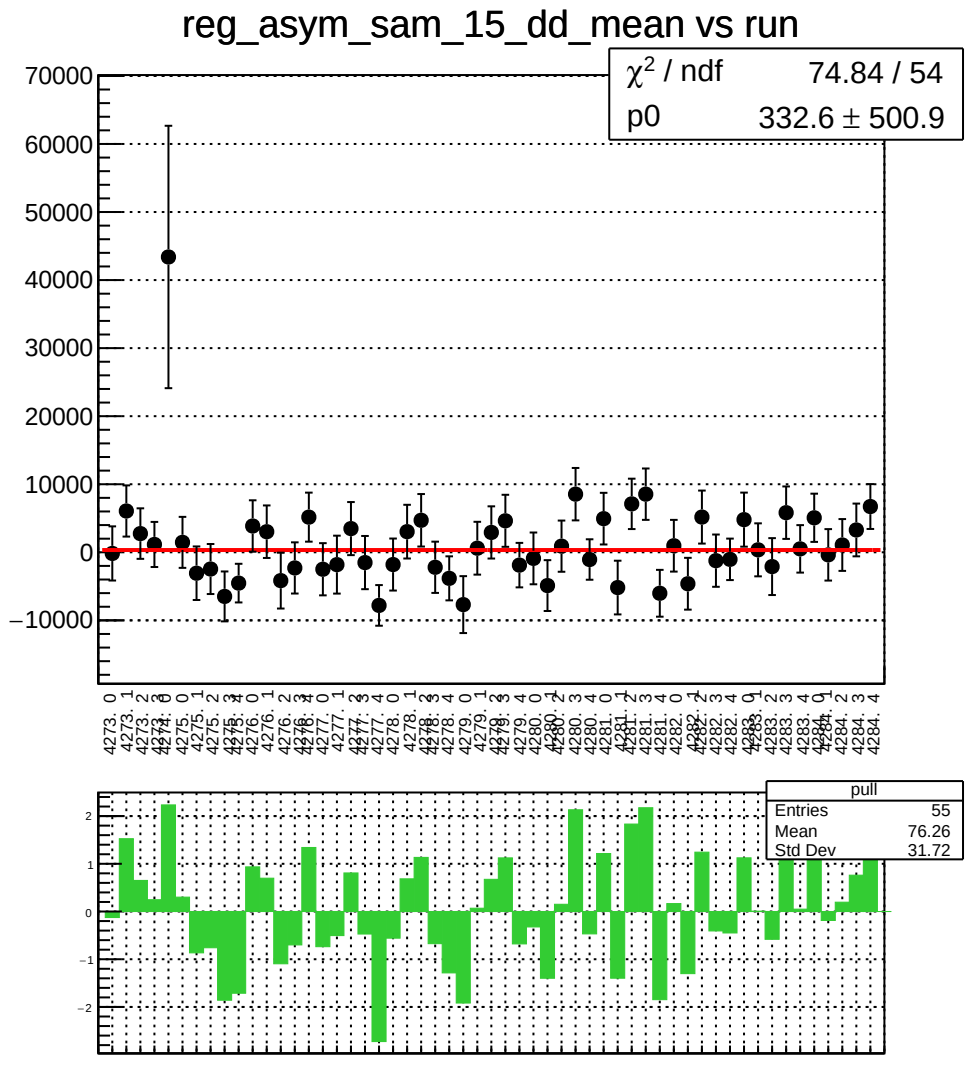
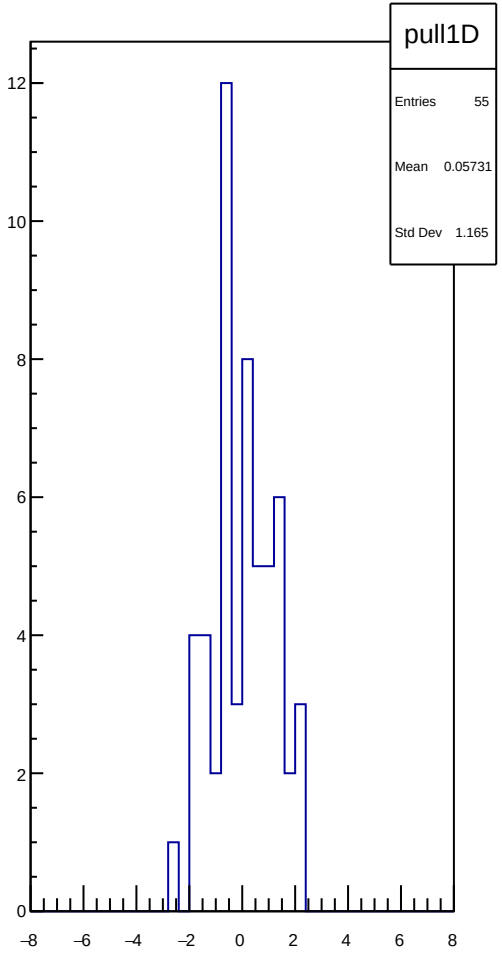
4284. 2
4284. 3
4284. 4

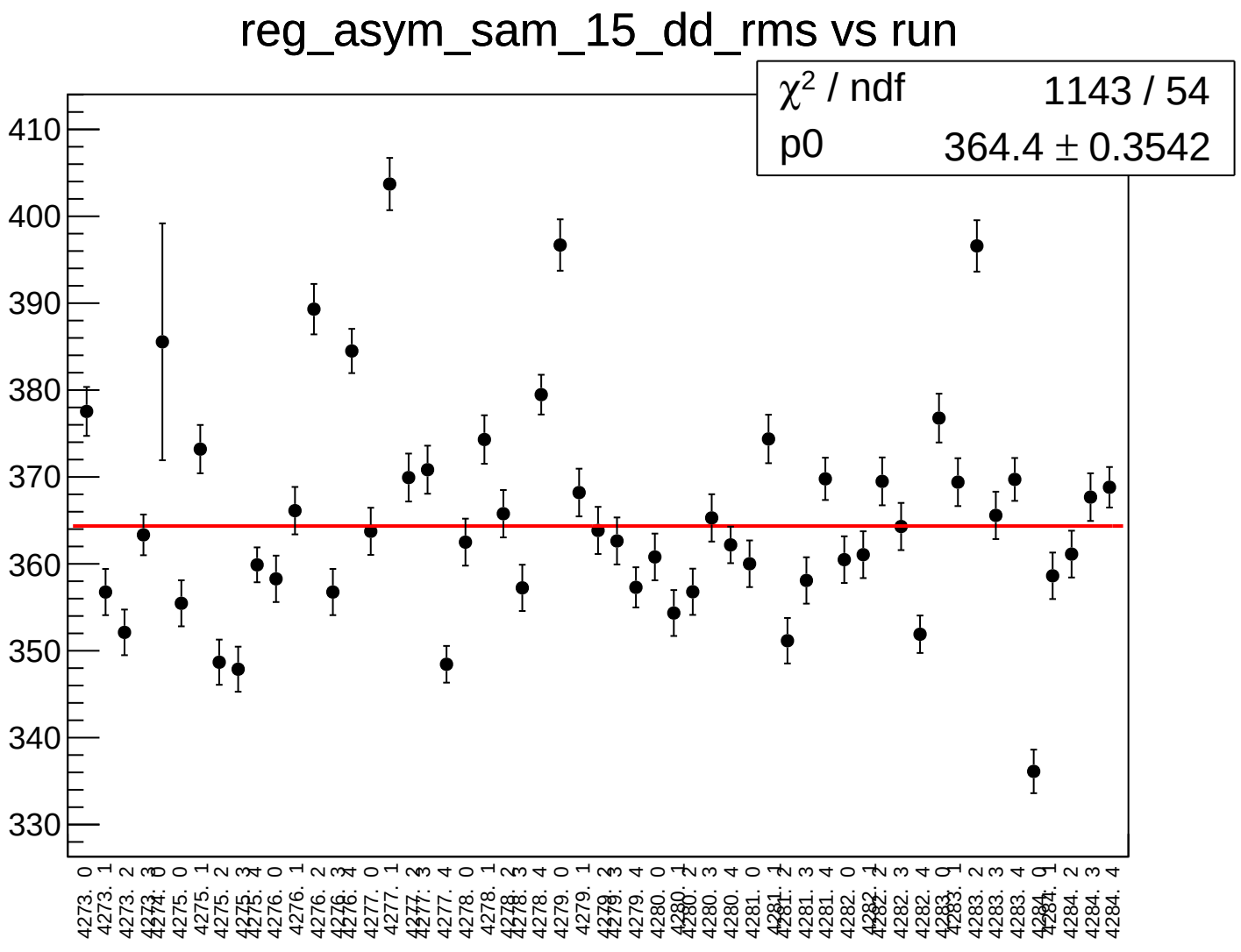

asym_sam_48_dd_mean vs run
χ² / ndf 60.18 / 54
p0 5001 ± 5066
pull
Entries 55
Mean 7.813
Std Dev 57.41


pull1D
Entries 55
Mean −0.01042
Std Dev 1.046


asym_sam_48_dd_rms vs run
χ² / ndf 2848 / 54
p0 3682 ± 3.582
4600
4400
4200
4000
3800
3600
3400
3200
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_sam_15_dd_mean vs run
χ^2 / ndf 74.84 / 54
p0 332.6 ± 500.9
pull
Entries 55
Mean 76.26
Std Dev 31.72


pull1D
Entries 55
Mean 0.05731
Std Dev 1.165


reg_asym_sam_15_dd_rms vs run
χ² / ndf 1143 / 54
p0 364.4 ± 0.3542
410
400
390
380
370
360
350
340
330
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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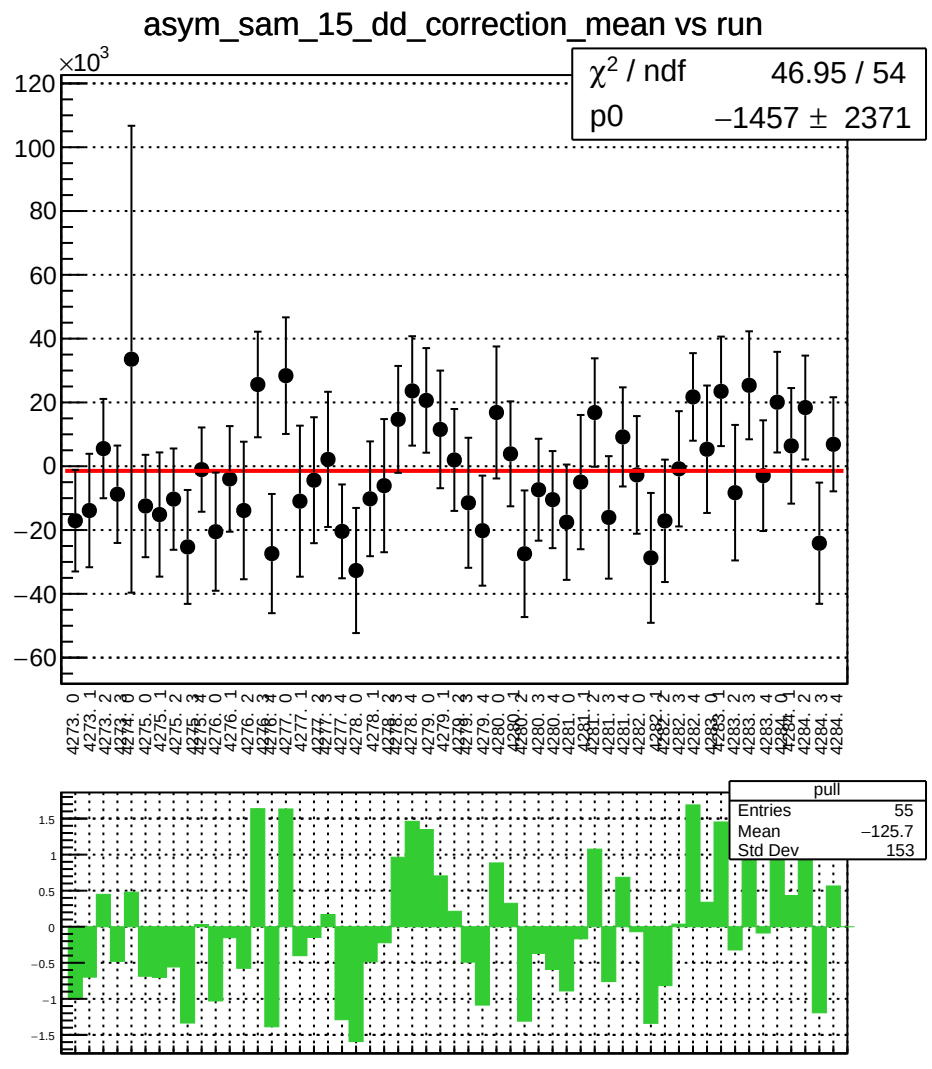
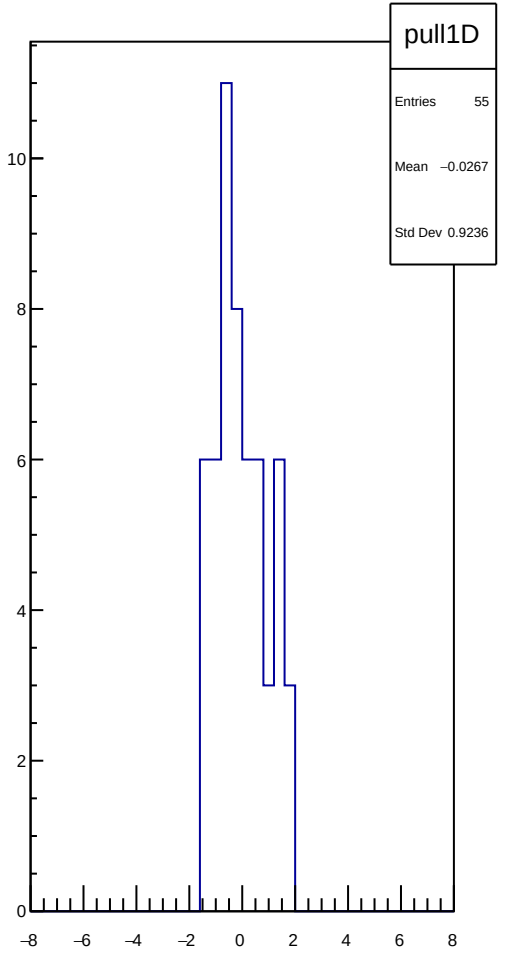
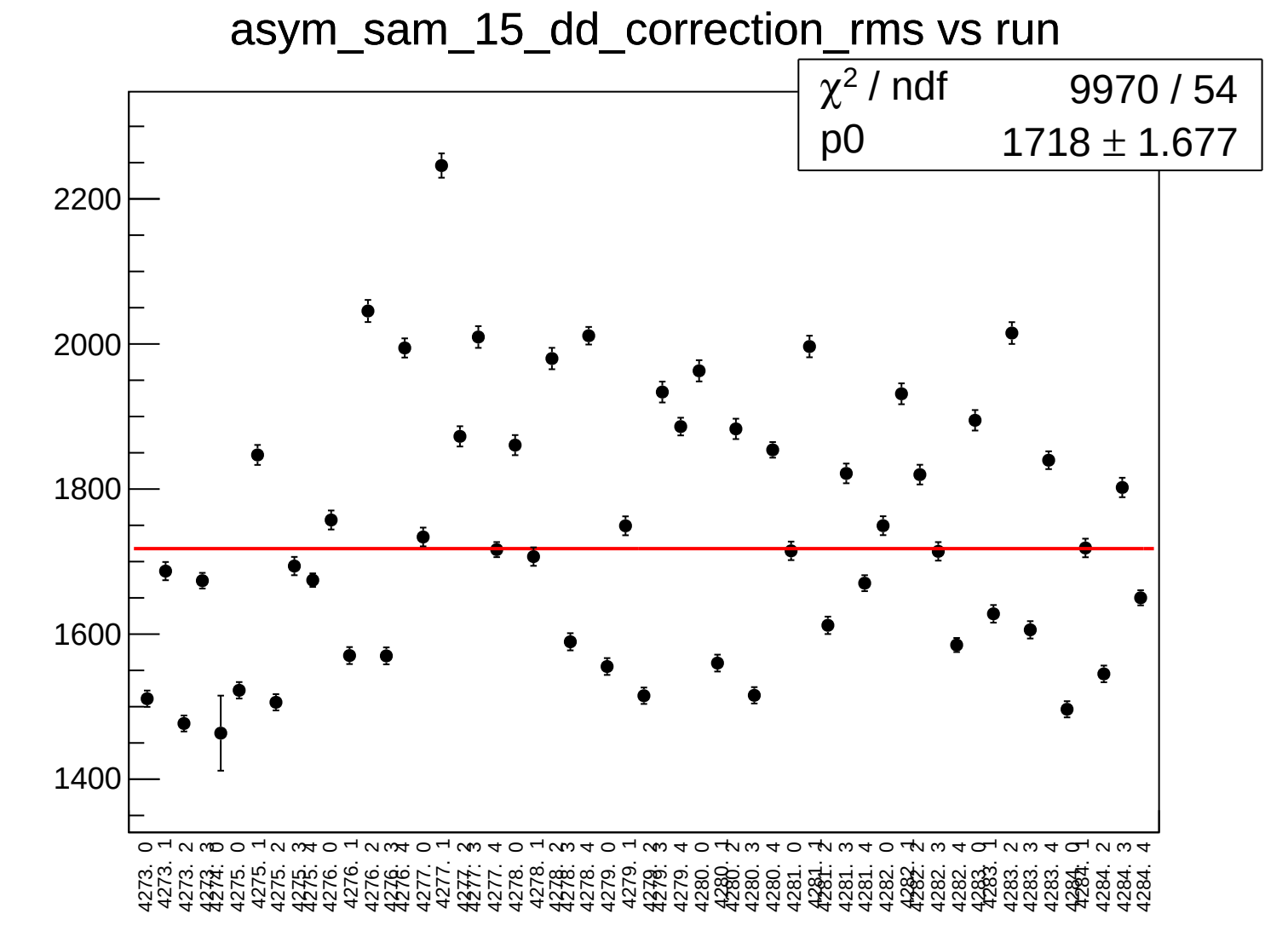
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


asym_sam_15_dd_correction_mean vs run
×10^3
χ² / ndf 46.95 / 54
p0 −1457 ± 2371
pull
Entries 55
Mean −125.7
Std Dev 153


pull1D
Entries 55
Mean −0.0267
Std Dev 0.9236


asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 9970 / 54
p0 1718 ± 1.677
2200
2000
1800
1600
1400
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
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4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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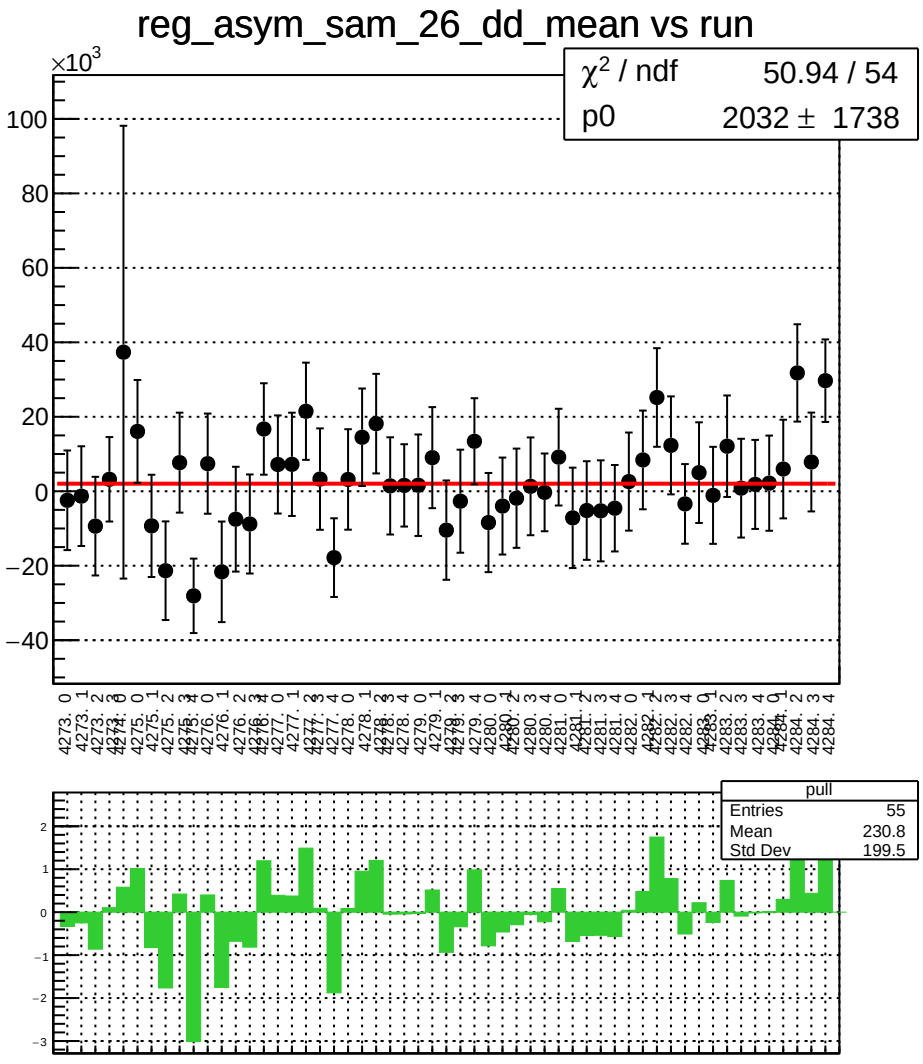
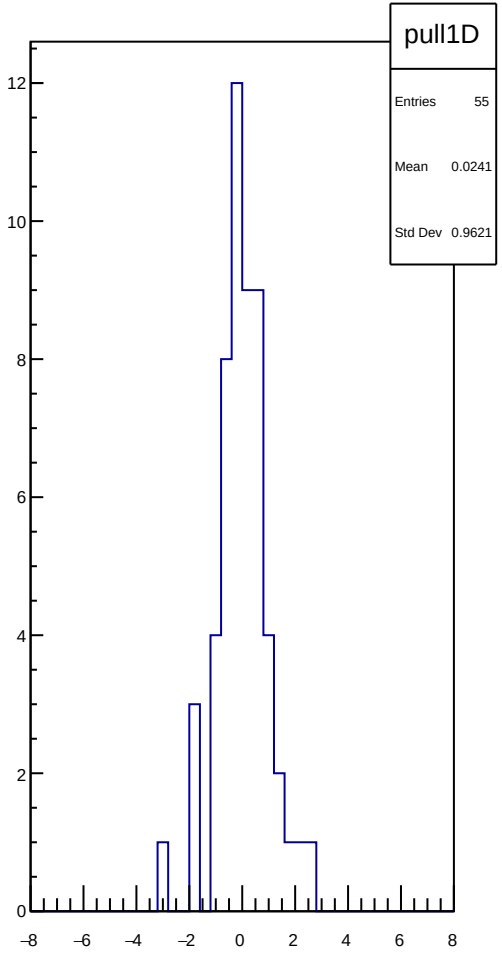
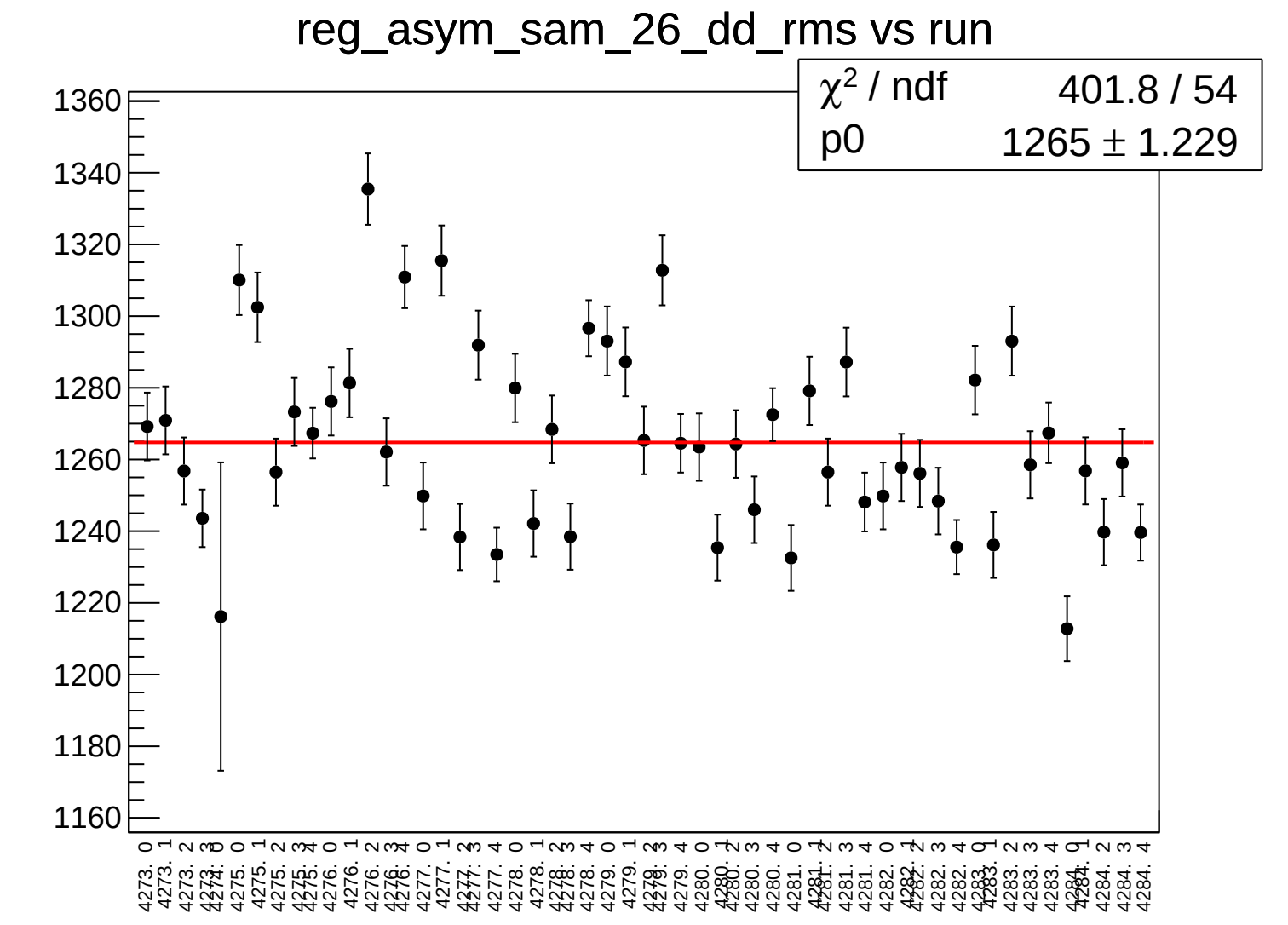
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_sam_26_dd_mean vs run
χ² / ndf 50.94 / 54
p0 2032 ± 1738
×10³
pull
Entries 55
Mean 230.8
Std Dev 199.5


pull1D
Entries 55
Mean 0.0241
Std Dev 0.9621


reg_asym_sam_26_dd_rms vs run
χ² / ndf 401.8 / 54
p0 1265 ± 1.229
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
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4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
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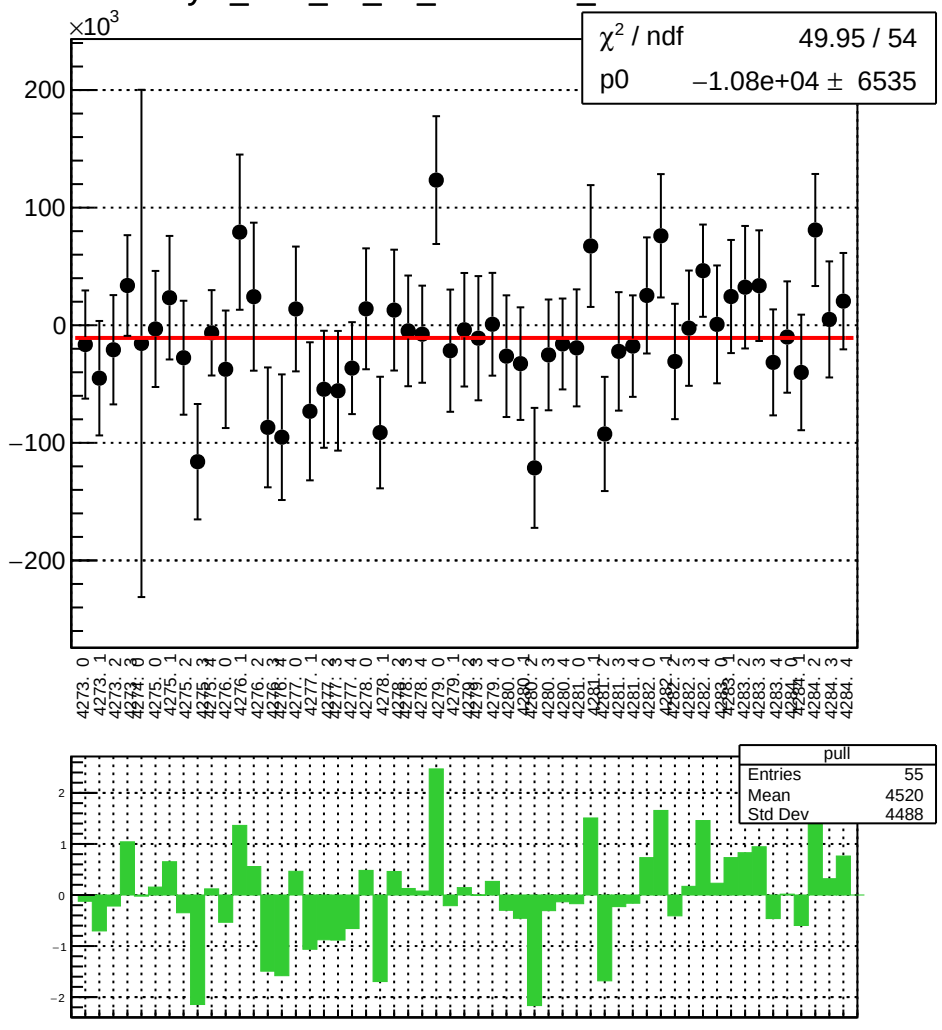
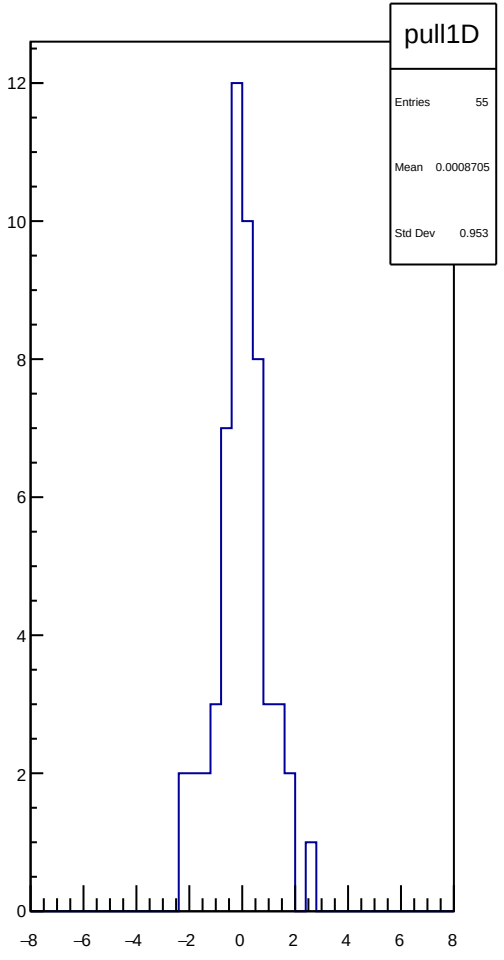
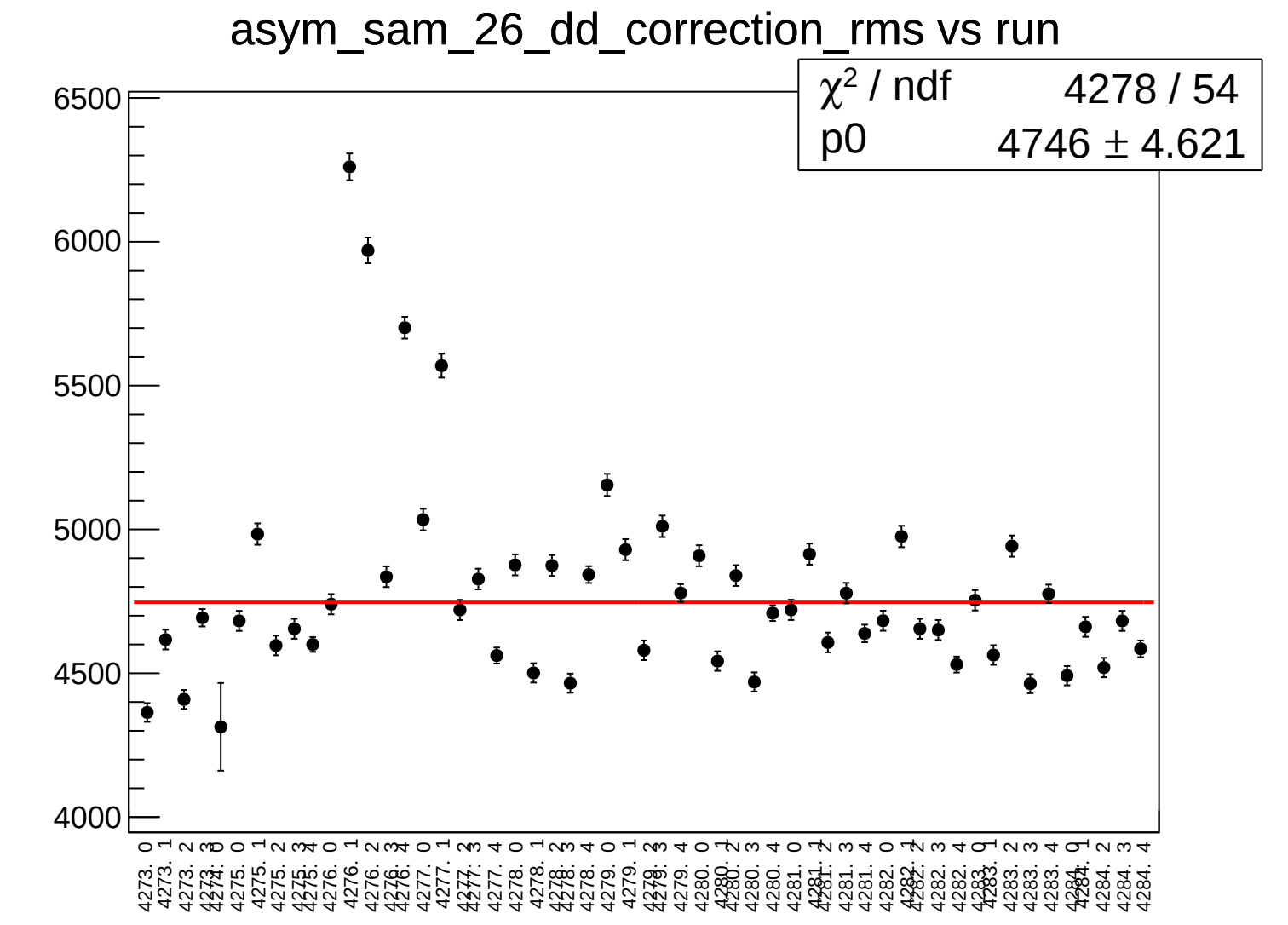
4284. 2
4284. 3
4284. 4


asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 49.95 / 54
p0 −1.08e+04 ± 6535
200
100
0
−100
−200
pull
Entries 55
Mean 4520
Std Dev 4488
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.0008705
Std Dev 0.953
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_correction_rms vs run
χ² / ndf 4278 / 54
p0 4746 ± 4.621
6500
6000
5500
5000
4500
4000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
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4275. 1
4275. 2
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4275. 4
4276. 0
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4277. 0
4277. 1
4277. 2
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4277. 4
4278. 0
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4279. 0
4279. 1
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4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
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4282. 1
4282. 2
4282. 3
4282. 4
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4283. 2
4283. 3
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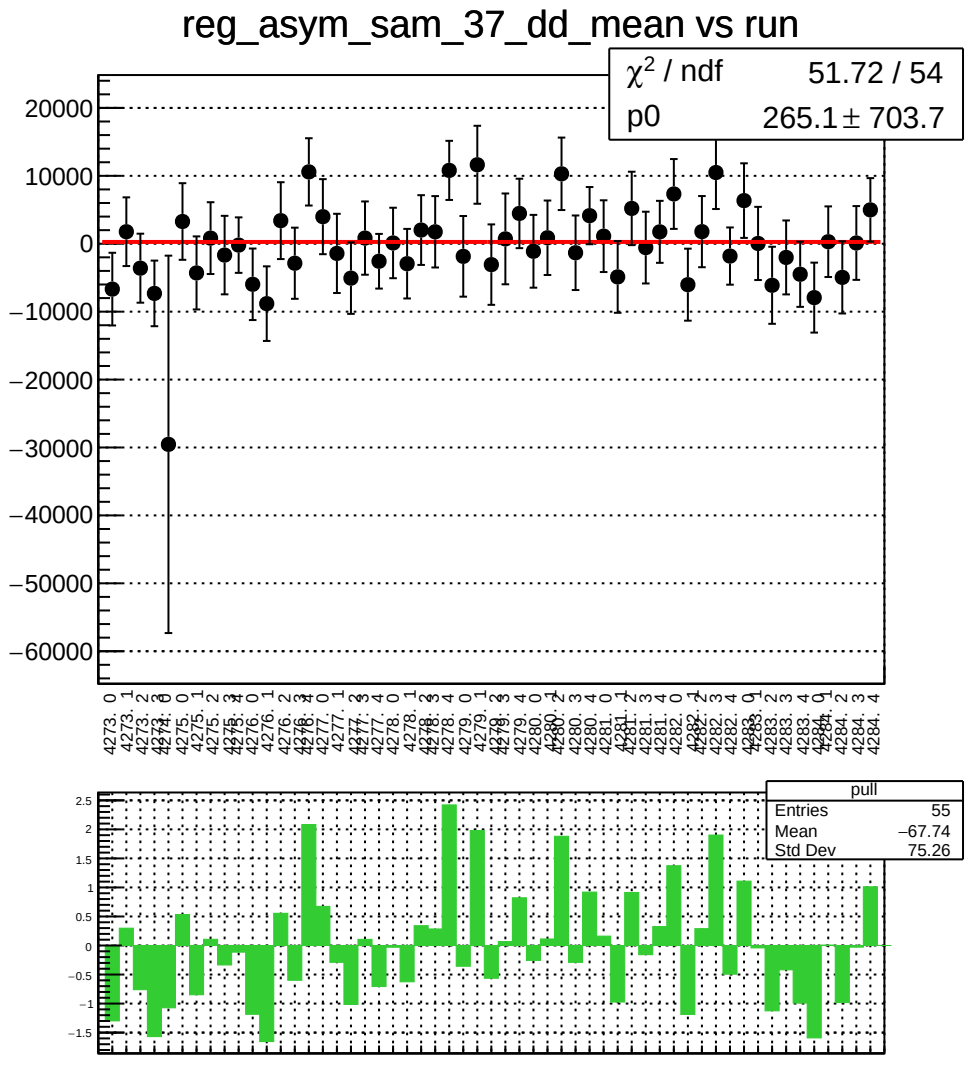
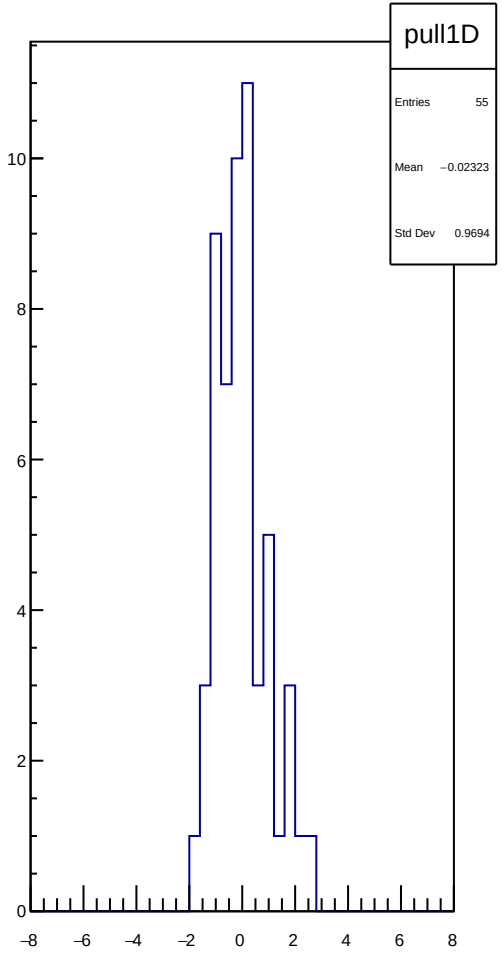
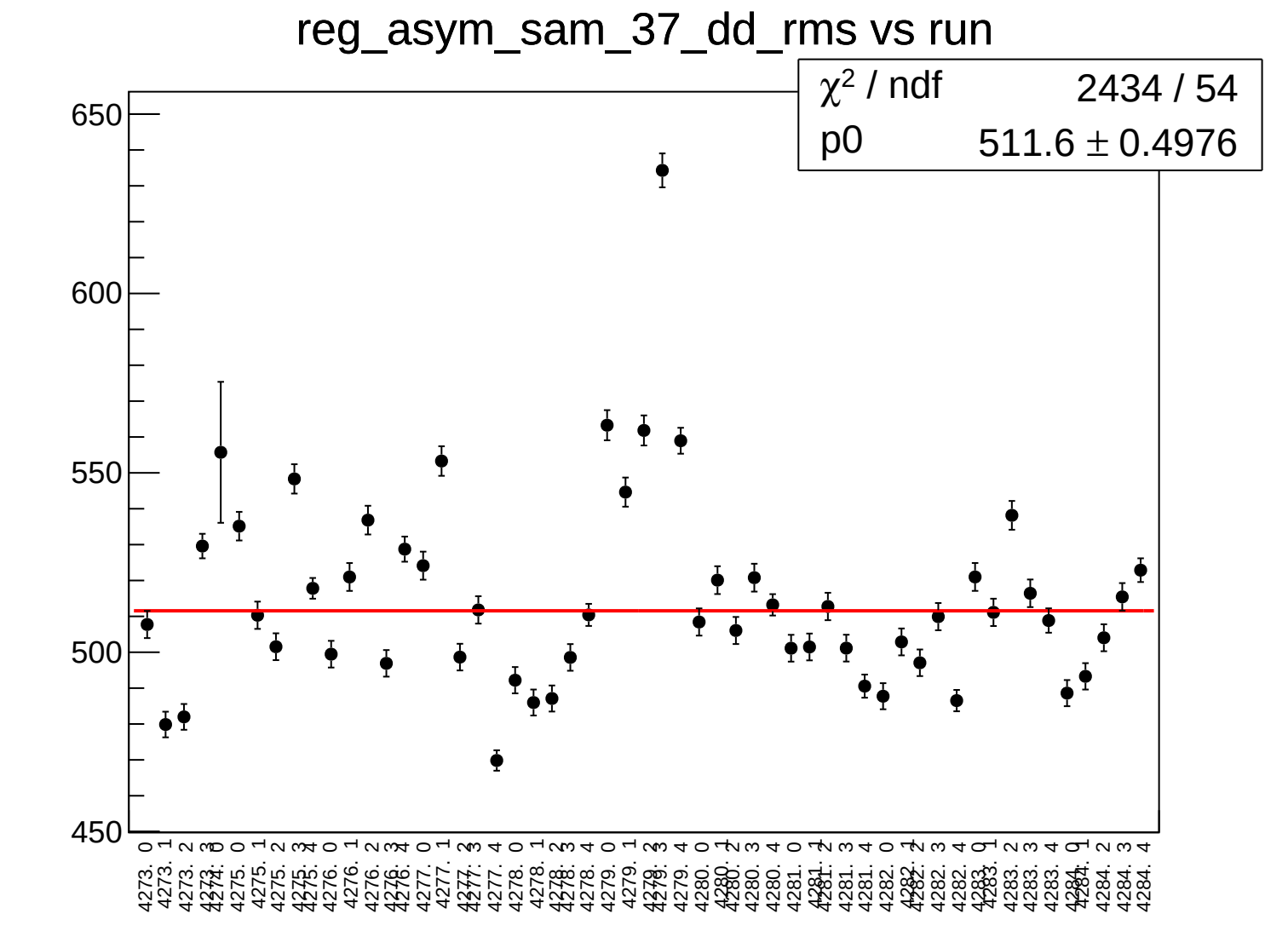
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_sam_37_dd_mean vs run
χ² / ndf 51.72 / 54
p0 265.1 ± 703.7
20000
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
pull
Entries 55
Mean −67.74
Std Dev 75.26
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 55
Mean −0.02323
Std Dev 0.9694
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 2434 / 54
p0 511.6 ± 0.4976
650
600
550
500
450
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
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4275. 2
4275. 3
4275. 4
4276. 0
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4279. 0
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4279. 4
4280. 0
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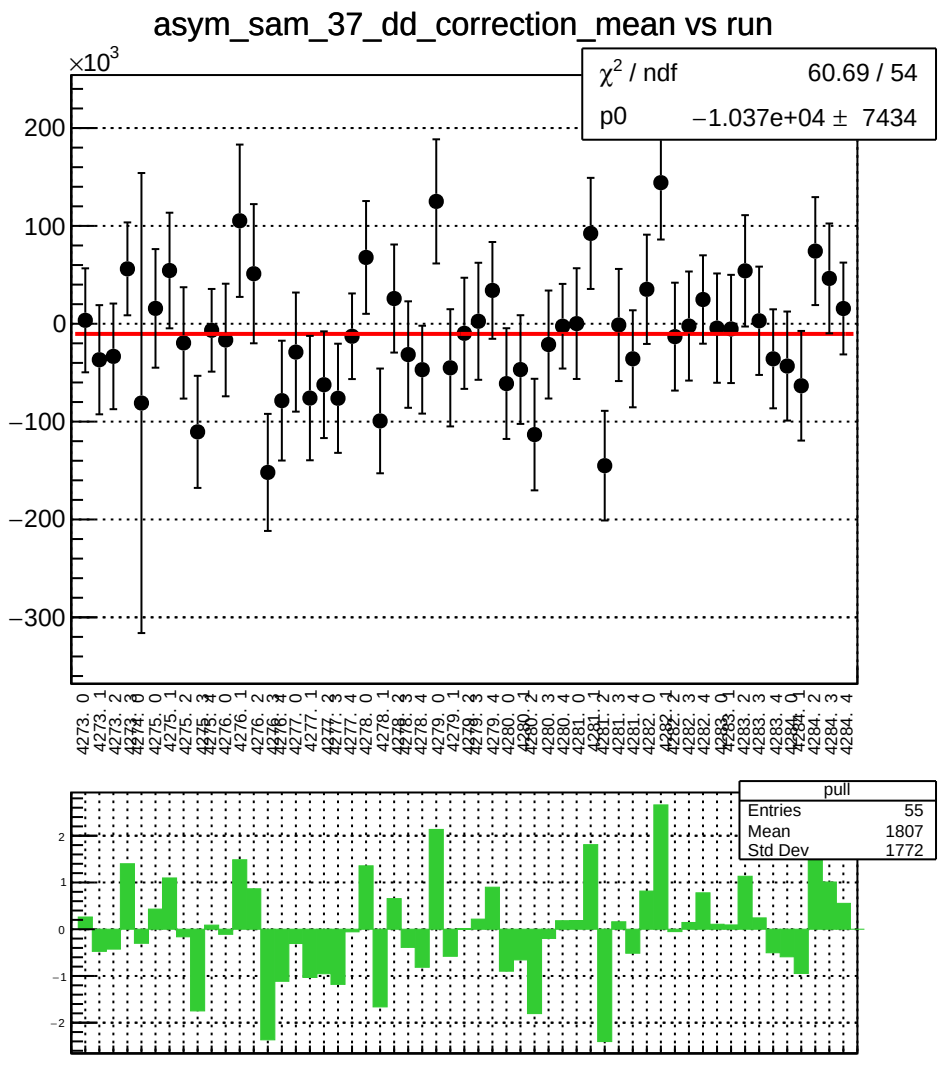
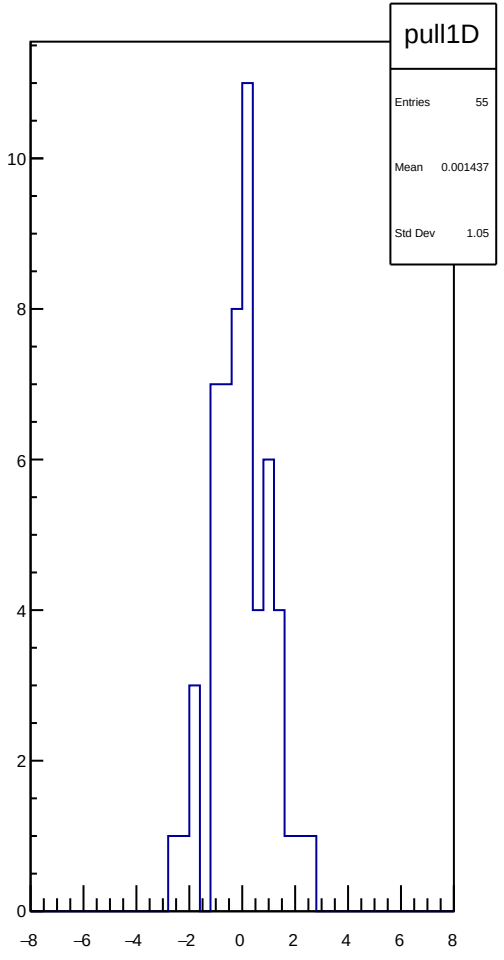
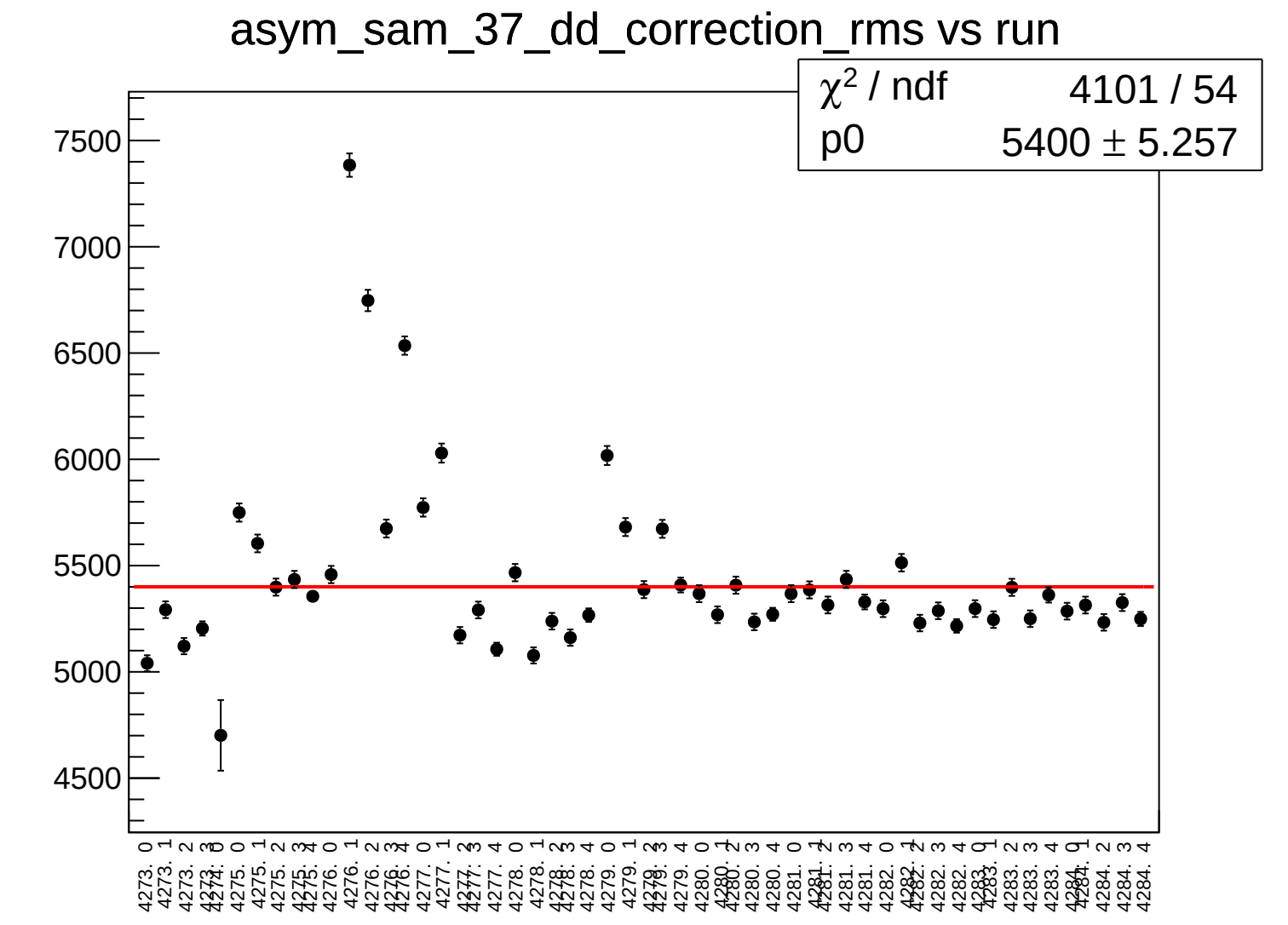
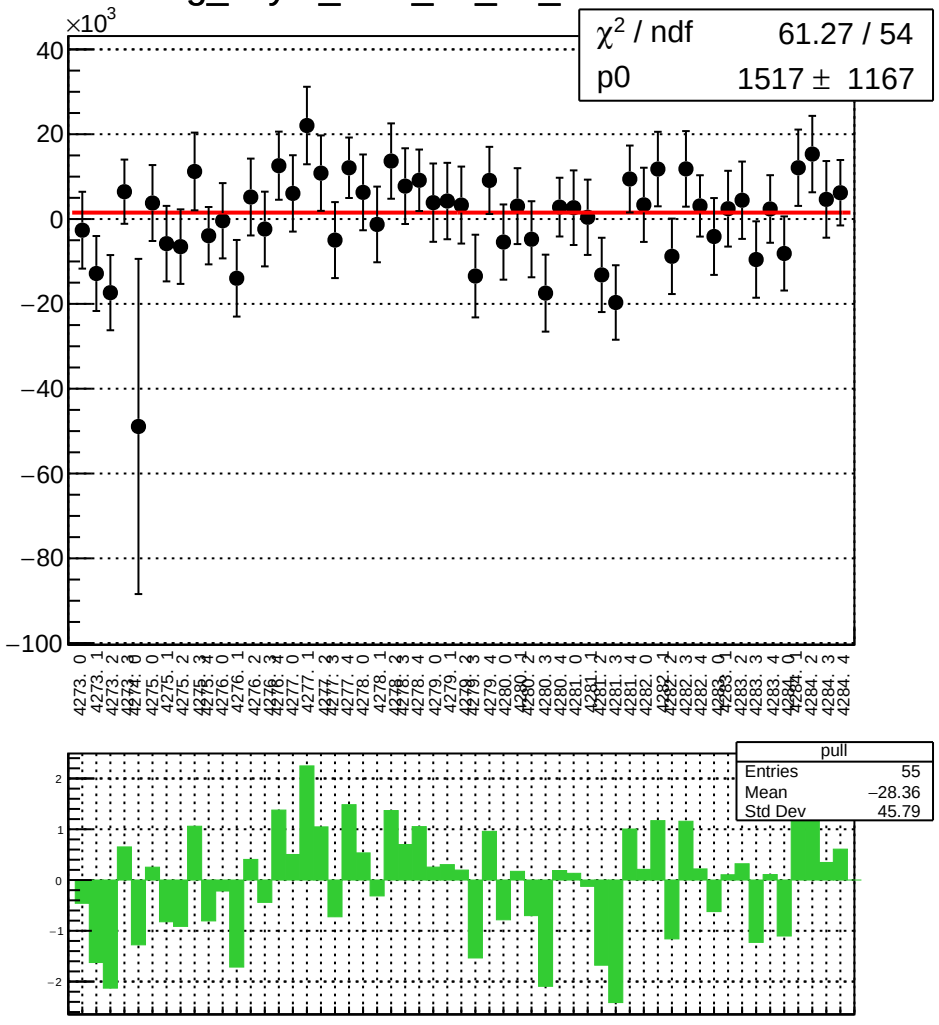
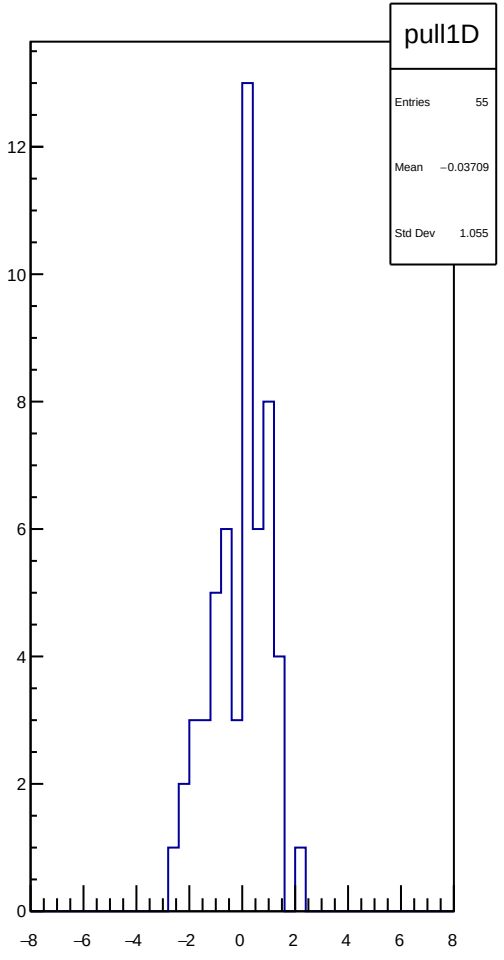
4284. 4

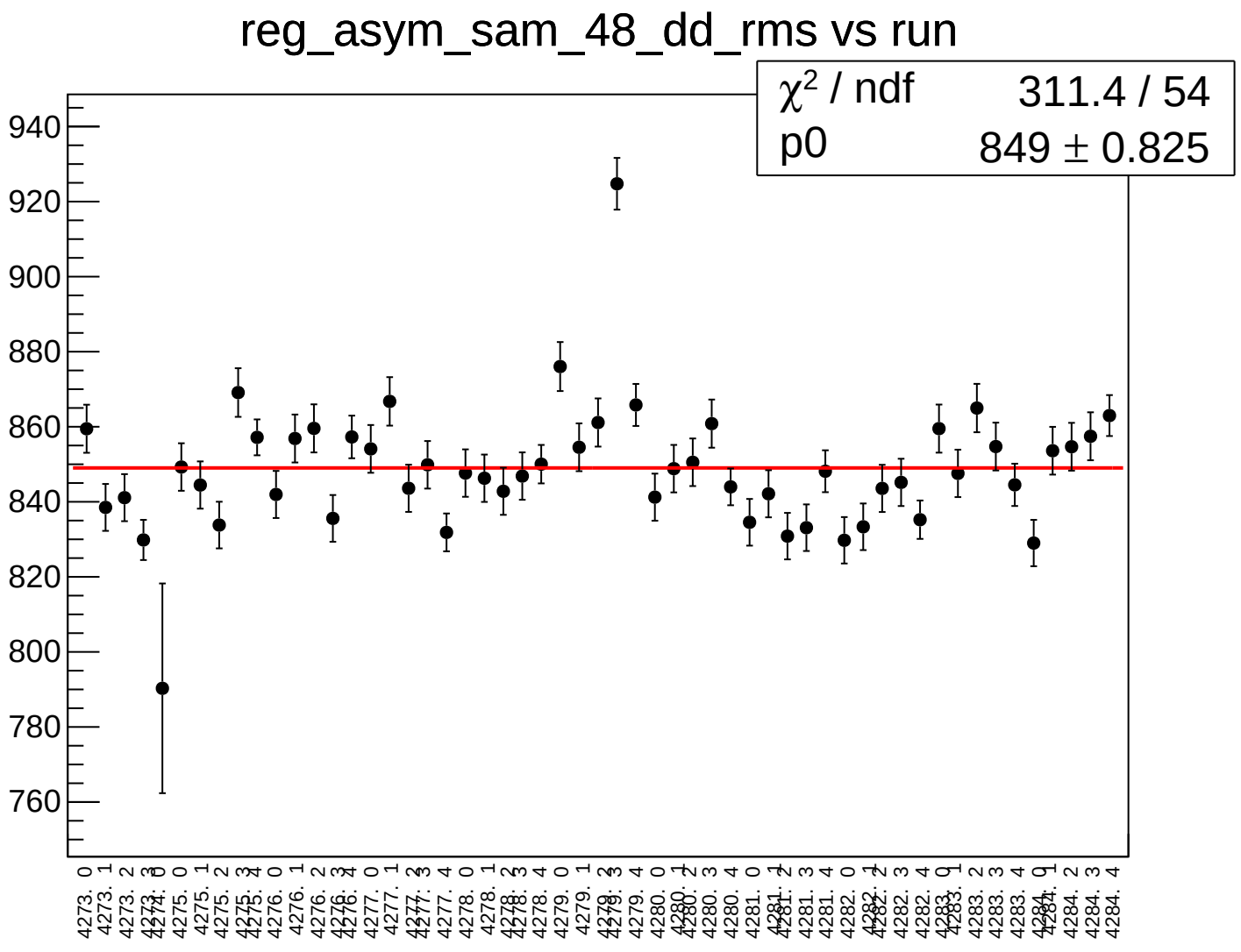

asym_sam_37_dd_correction_mean vs run
×10^3
χ² / ndf 60.69 / 54
p0 −1.037e+04 ± 7434
200
100
0
−100
−200
−300
pull
Entries 55
Mean 1807
Std Dev 1772
2
1
0
−1
−2


pull1D
Entries 55
Mean 0.001437
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_correction_rms vs run
χ² / ndf 4101 / 54
p0 5400 ± 5.257
7500
7000
6500
6000
5500
5000
4500
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4


reg_asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 61.27 / 54
p0 1517 ± 1167
pull
Entries 55
Mean −28.36
Std Dev 45.79


pull1D
Entries 55
Mean −0.03709
Std Dev 1.055


reg_asym_sam_48_dd_rms vs run
χ² / ndf 311.4 / 54
p0 849 ± 0.825
940
920
900
880
860
840
820
800
780
760
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
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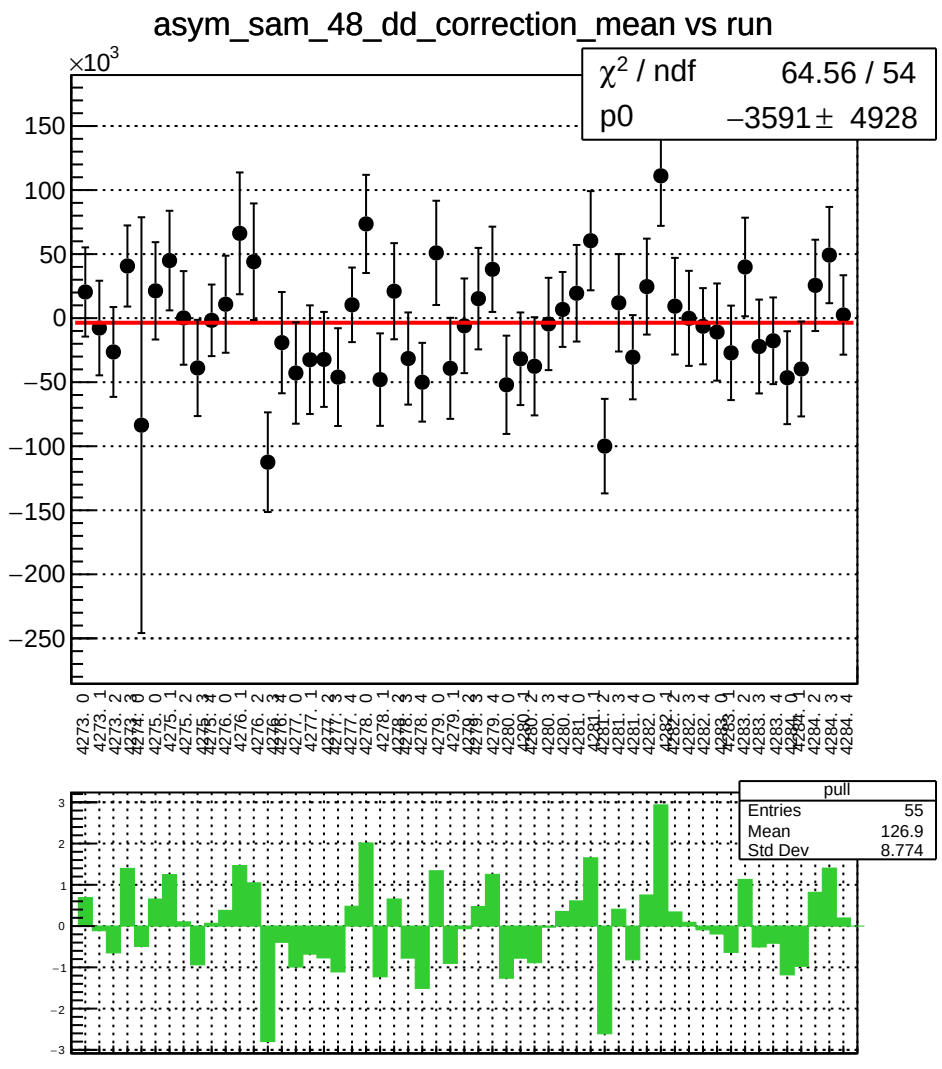
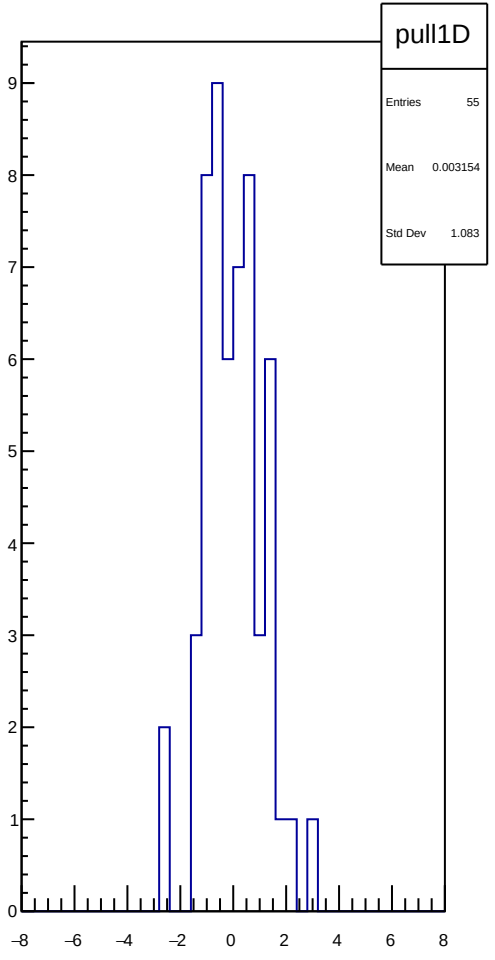
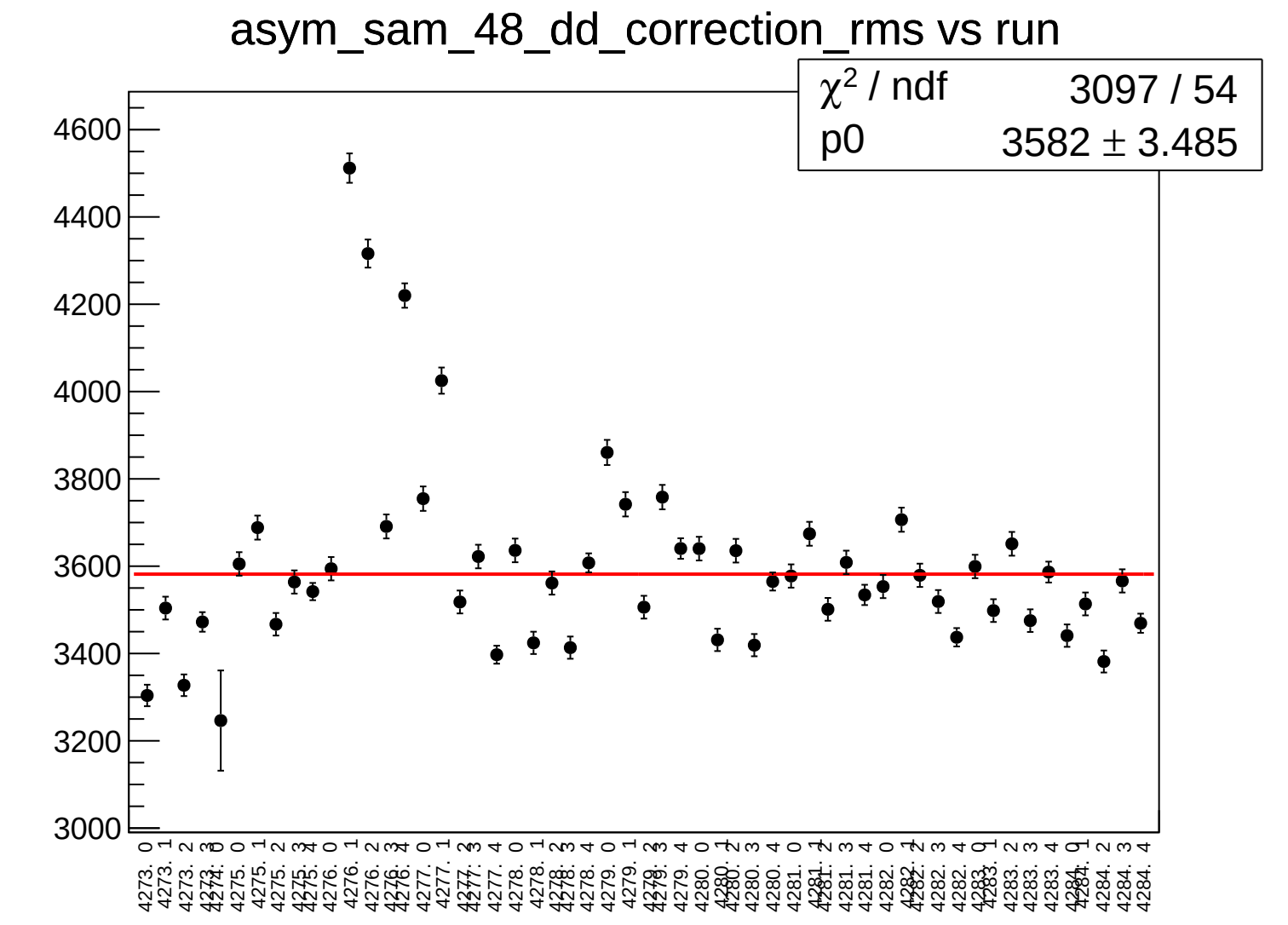
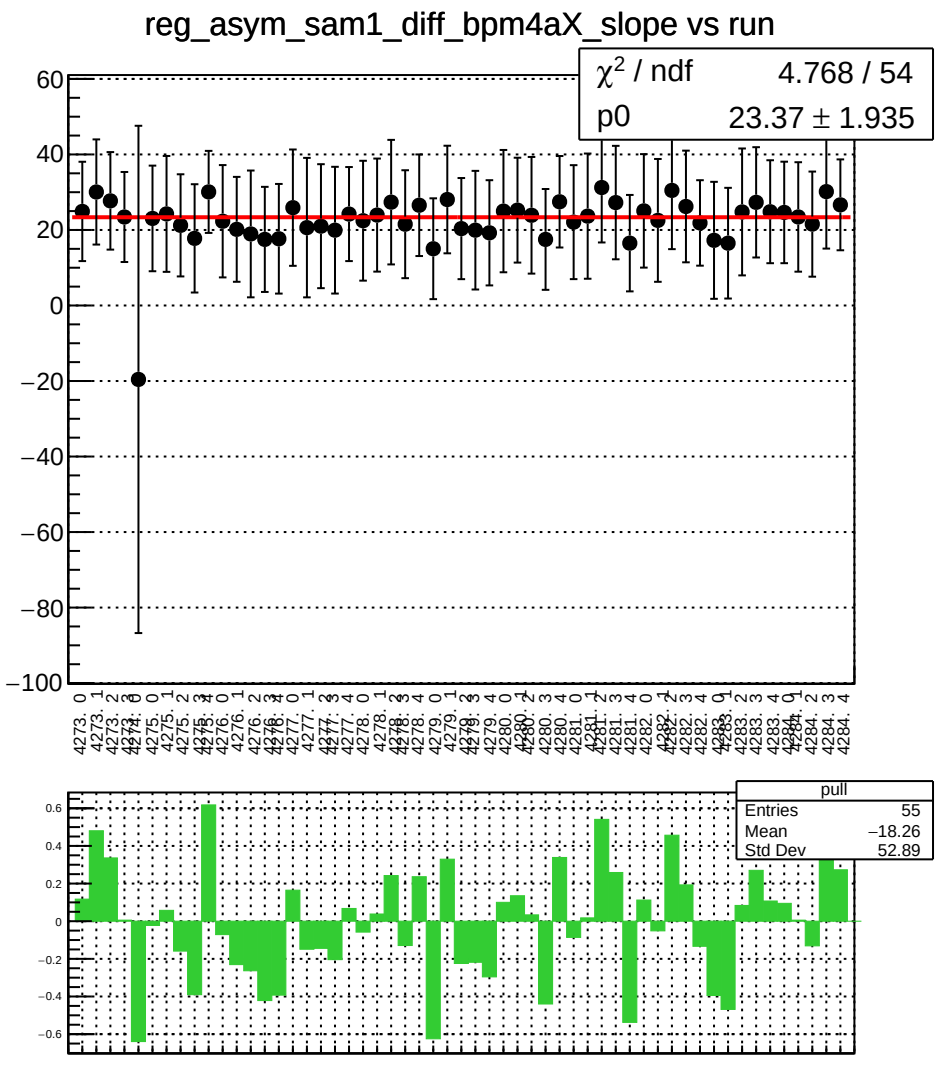
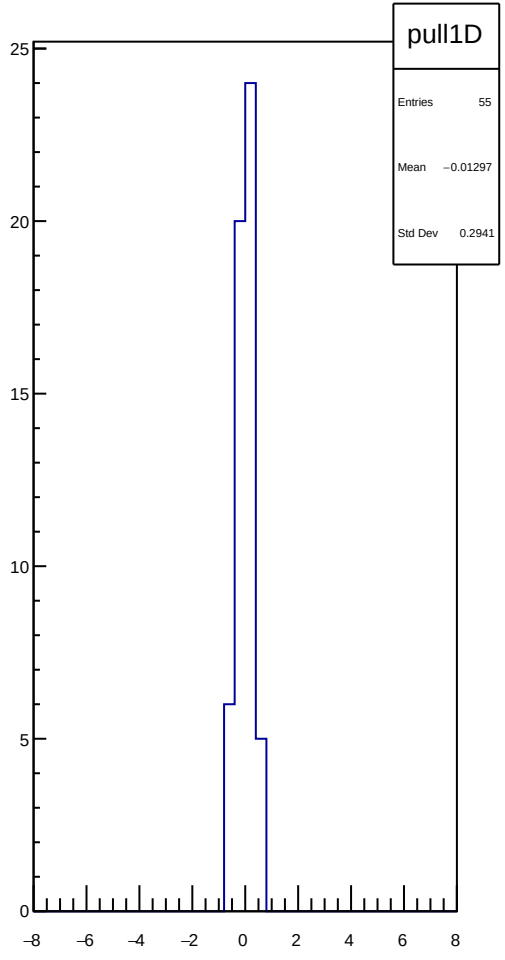
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

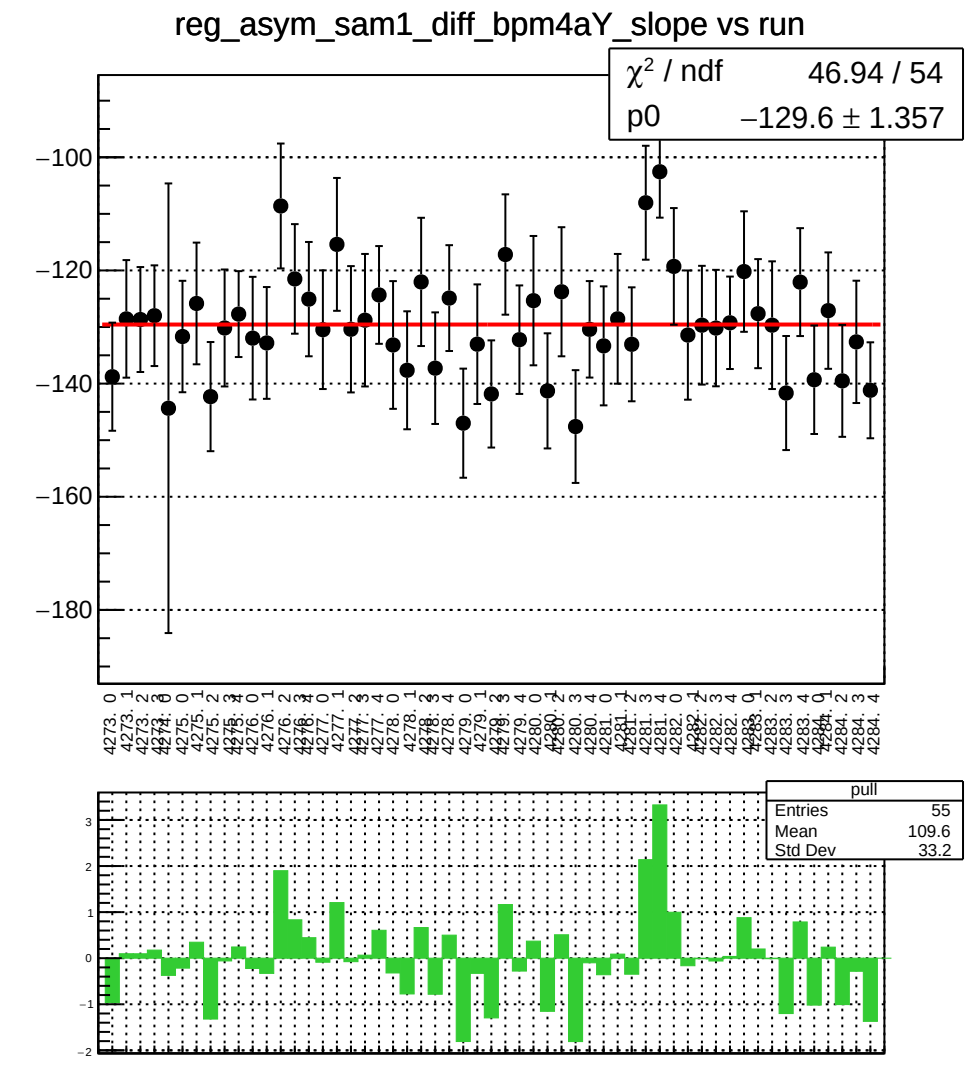

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 64.56 / 54
p0 −3591 ± 4928
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 55
Mean 126.9
Std Dev 8.774
3
2
1
0
−1
−2
−3

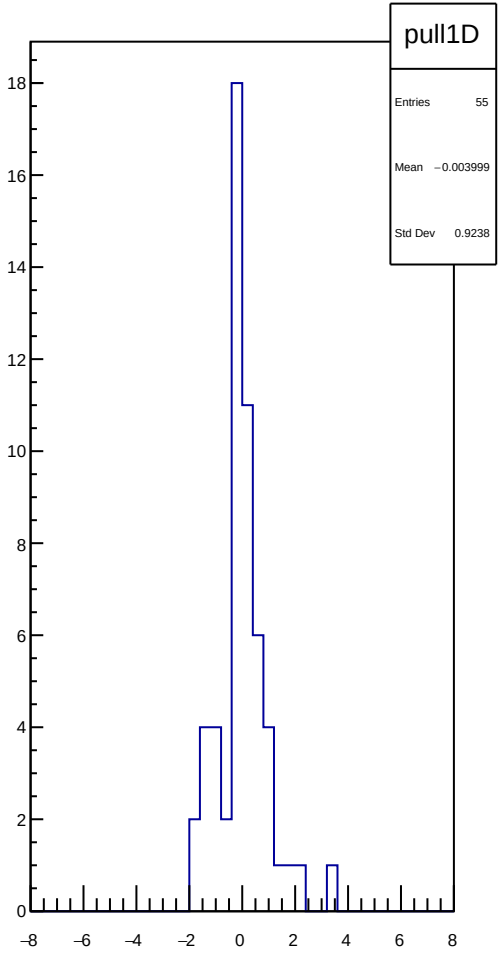

pull1D
Entries 55
Mean 0.003154
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

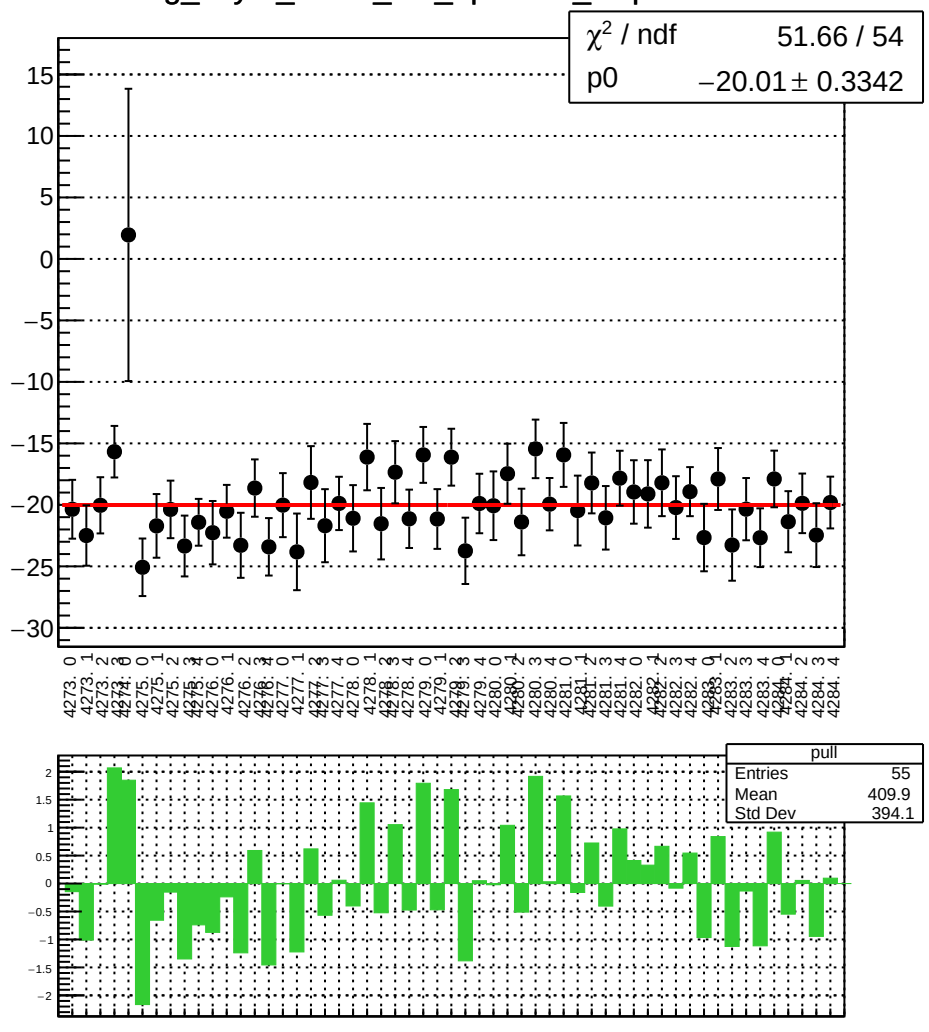

asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 3097 / 54
p0 3582 ± 3.485
4600
4400
4200
4000
3800
3600
3400
3200
3000
4273. 0
4273. 1
4273. 2
4273. 3
4273. 4
4274. 0
4275. 0
4275. 1
4275. 2
4275. 3
4275. 4
4276. 0
4276. 1
4276. 2
4276. 3
4276. 4
4277. 0
4277. 1
4277. 2
4277. 3
4277. 4
4278. 0
4278. 1
4278. 2
4278. 3
4278. 4
4279. 0
4279. 1
4279. 2
4279. 3
4279. 4
4280. 0
4280. 1
4280. 2
4280. 3
4280. 4
4281. 0
4281. 1
4281. 2
4281. 3
4281. 4
4282. 0
4282. 1
4282. 2
4282. 3
4282. 4
4283. 0
4283. 1
4283. 2
4283. 3
4283. 4
4284. 0
4284. 1
4284. 2
4284. 3
4284. 4

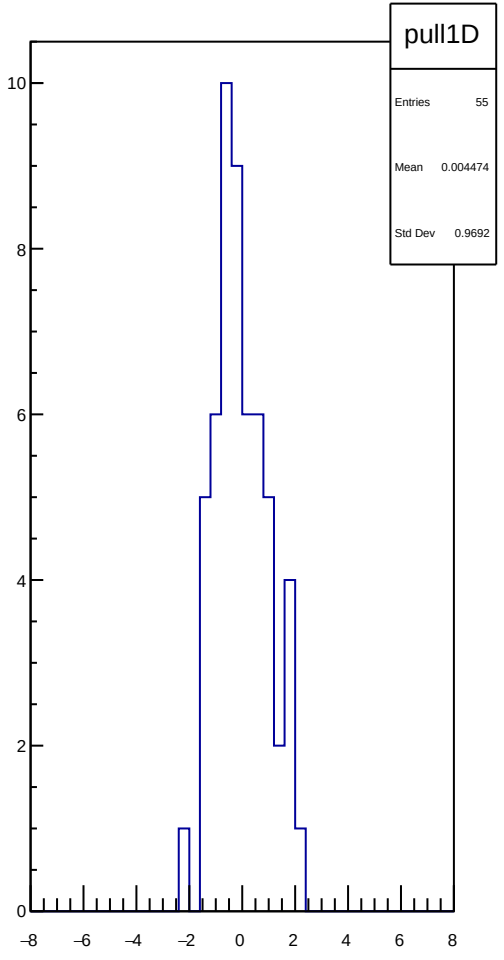

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 4.768 / 54
p0 23.37 ± 1.935
pull
Entries 55
Mean −18.26
Std Dev 52.89

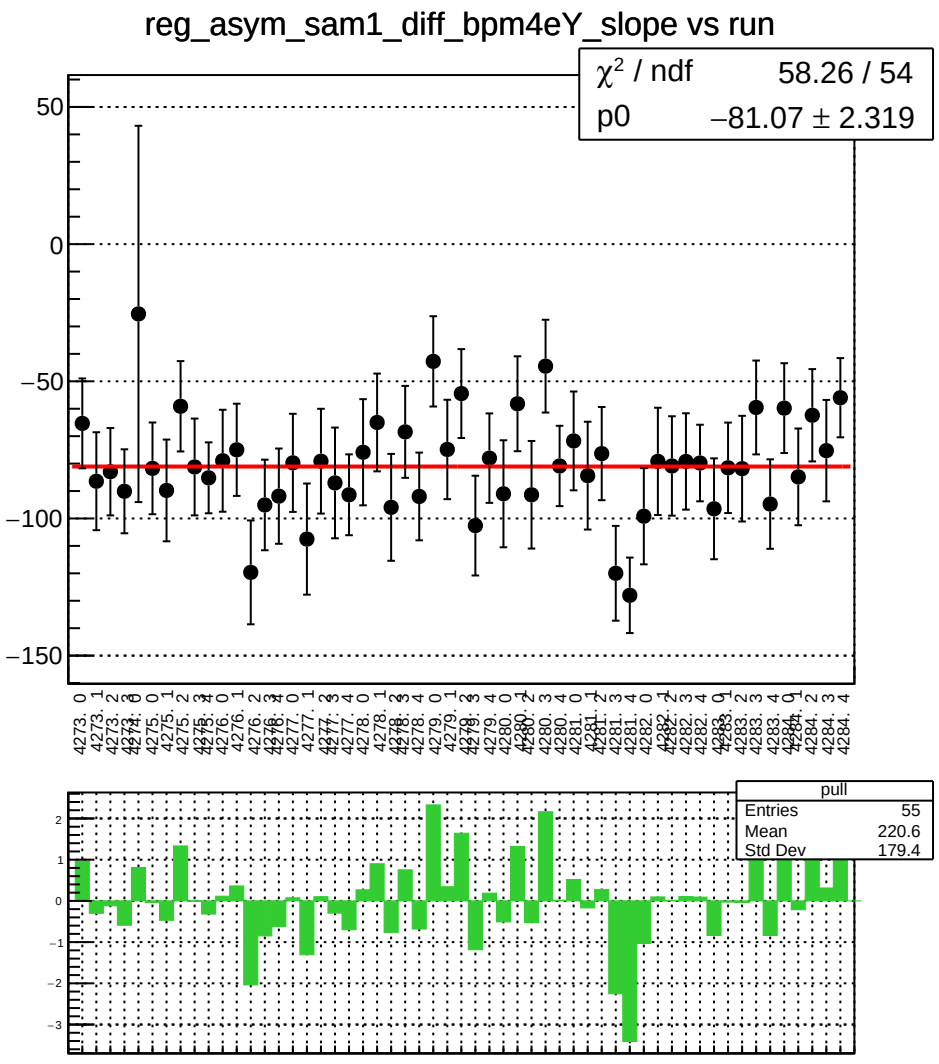

pull1D
Entries 55
Mean −0.01297
Std Dev 0.2941

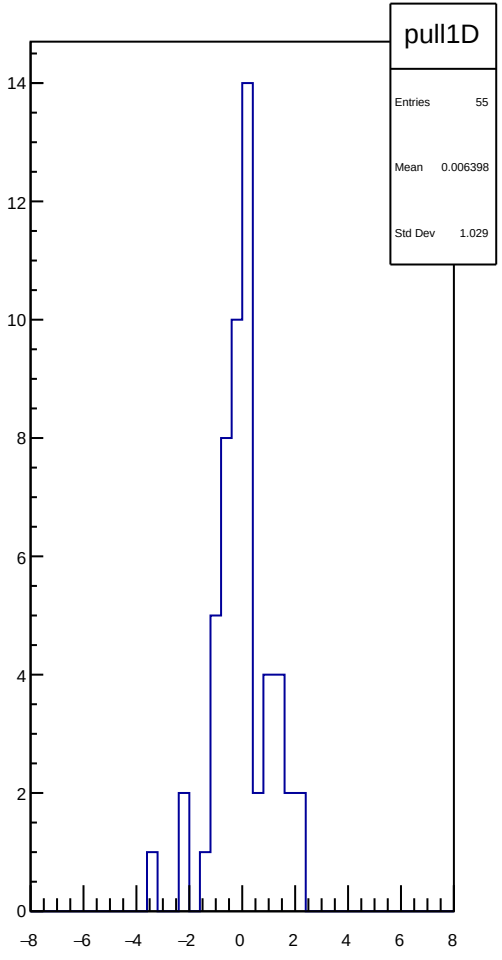

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 46.94 / 54
p0 −129.6 ± 1.357
pull
Entries 55
Mean 109.6
Std Dev 33.2

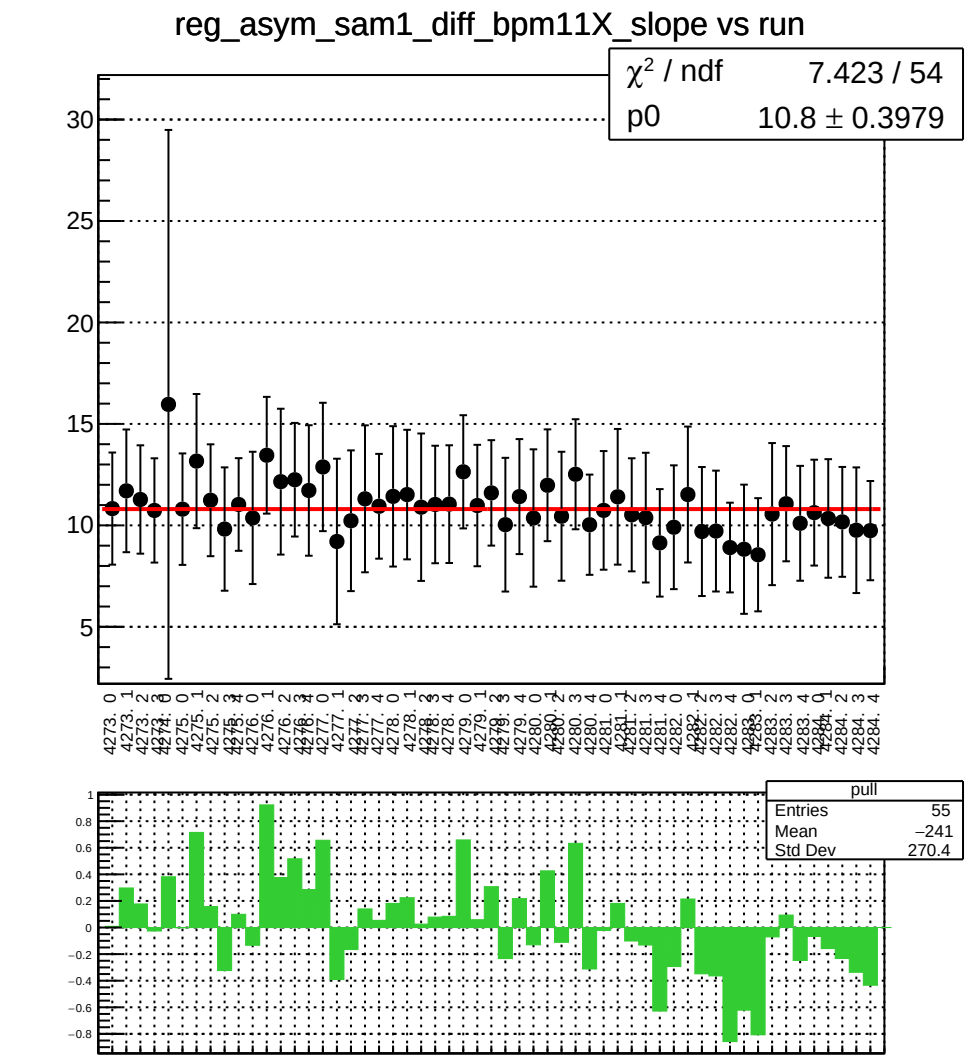

pull1D
Entries 55
Mean −0.003999
Std Dev 0.9238

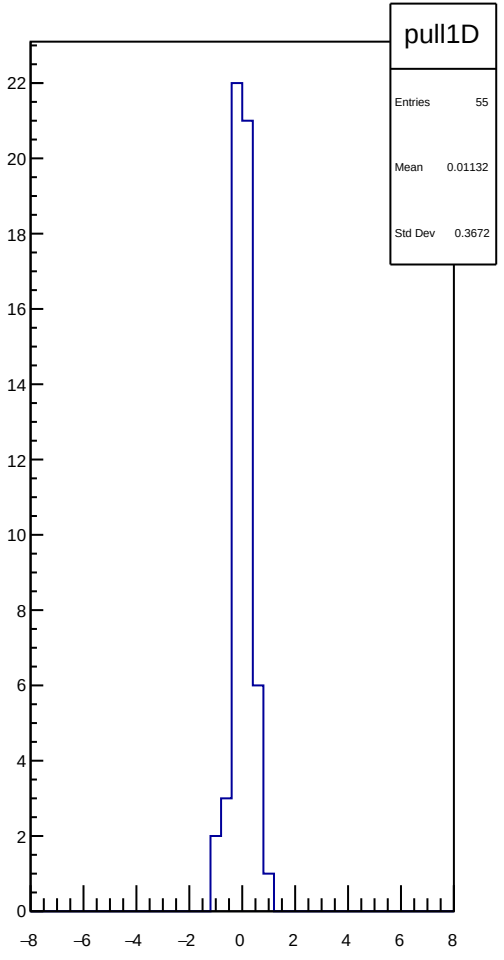

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 51.66 / 54
p0 −20.01 ± 0.3342
pull
Entries 55
Mean 409.9
Std Dev 394.1

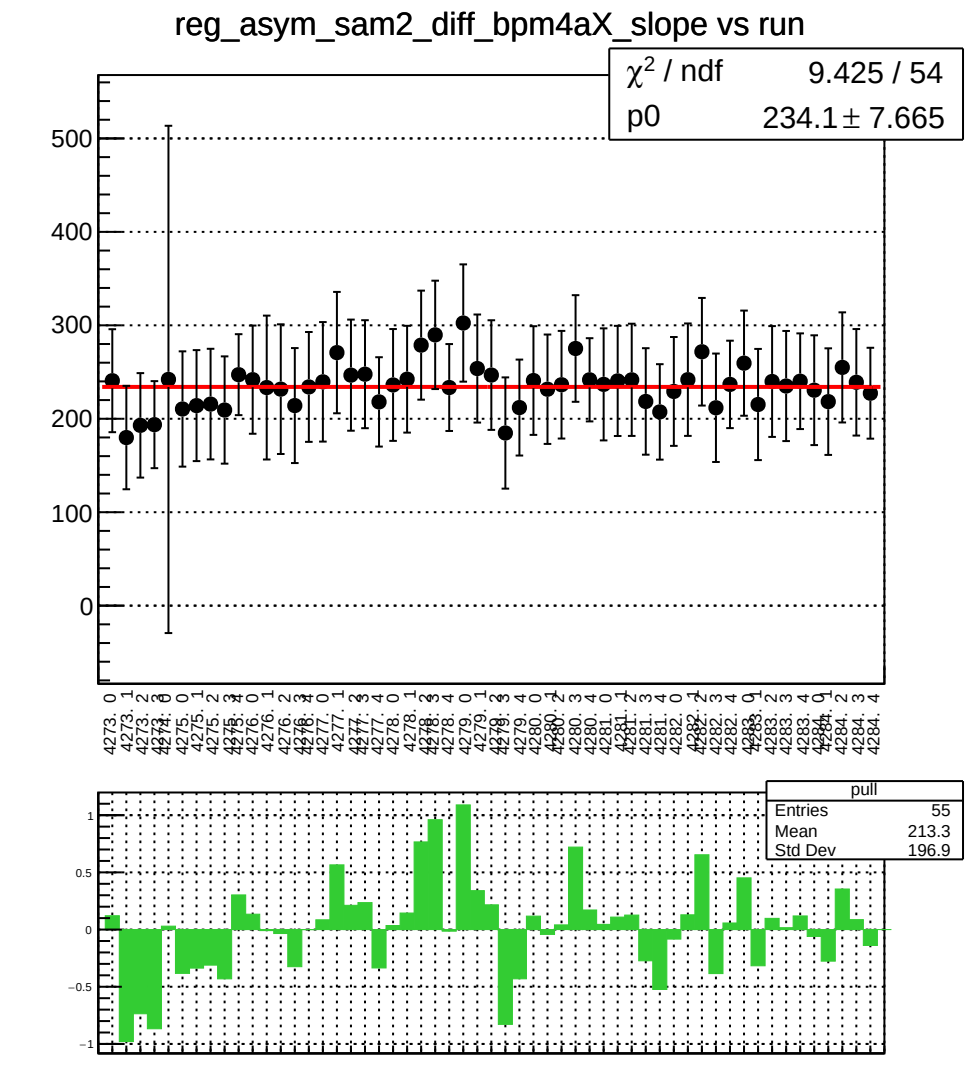

pull1D
Entries 55
Mean 0.004474
Std Dev 0.9692

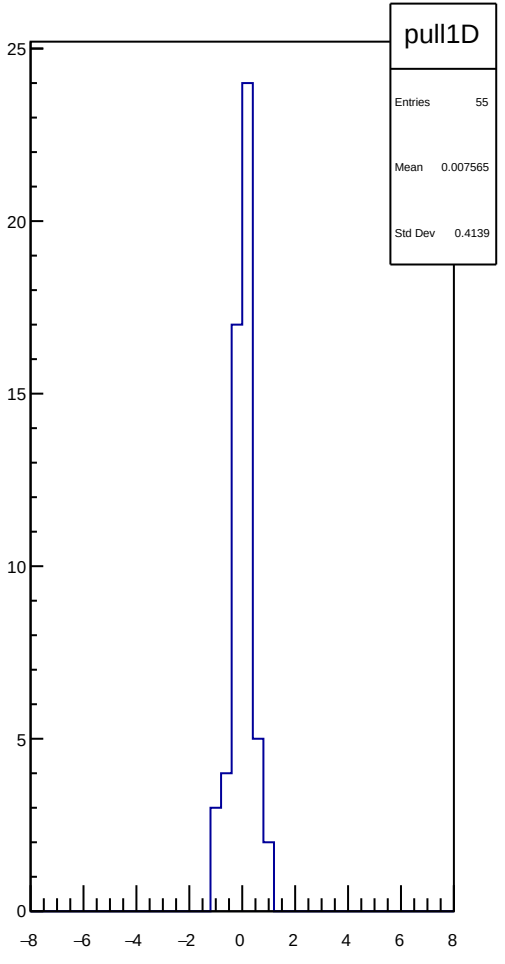

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 58.26 / 54
p0 −81.07 ± 2.319
pull
Entries 55
Mean 220.6
Std Dev 179.4

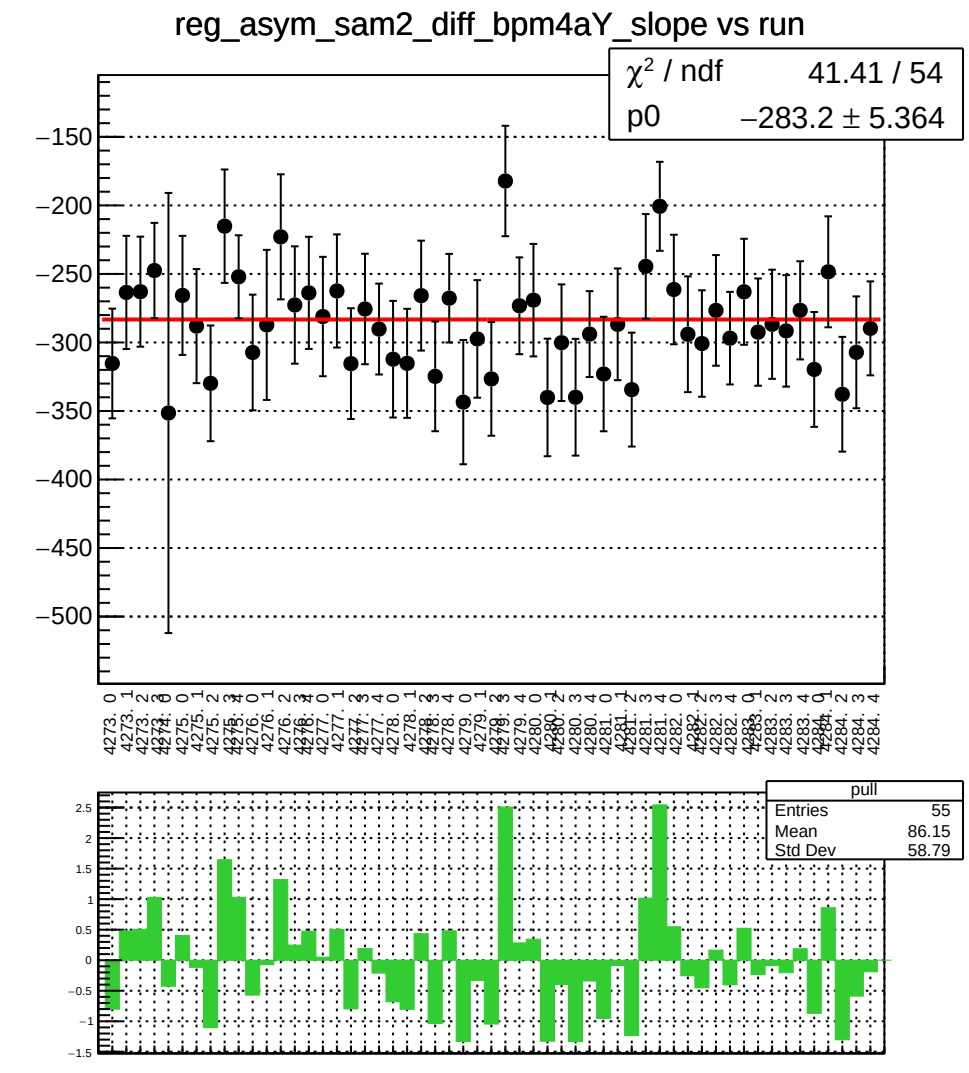

pull1D
Entries 55
Mean 0.006398
Std Dev 1.029

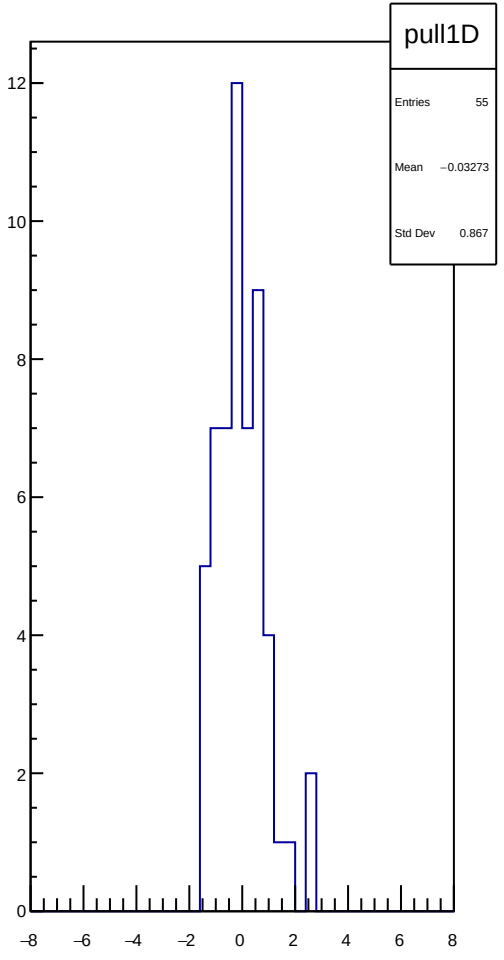

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 7.423 / 54
p0 10.8 ± 0.3979
pull
Entries 55
Mean −241
Std Dev 270.4

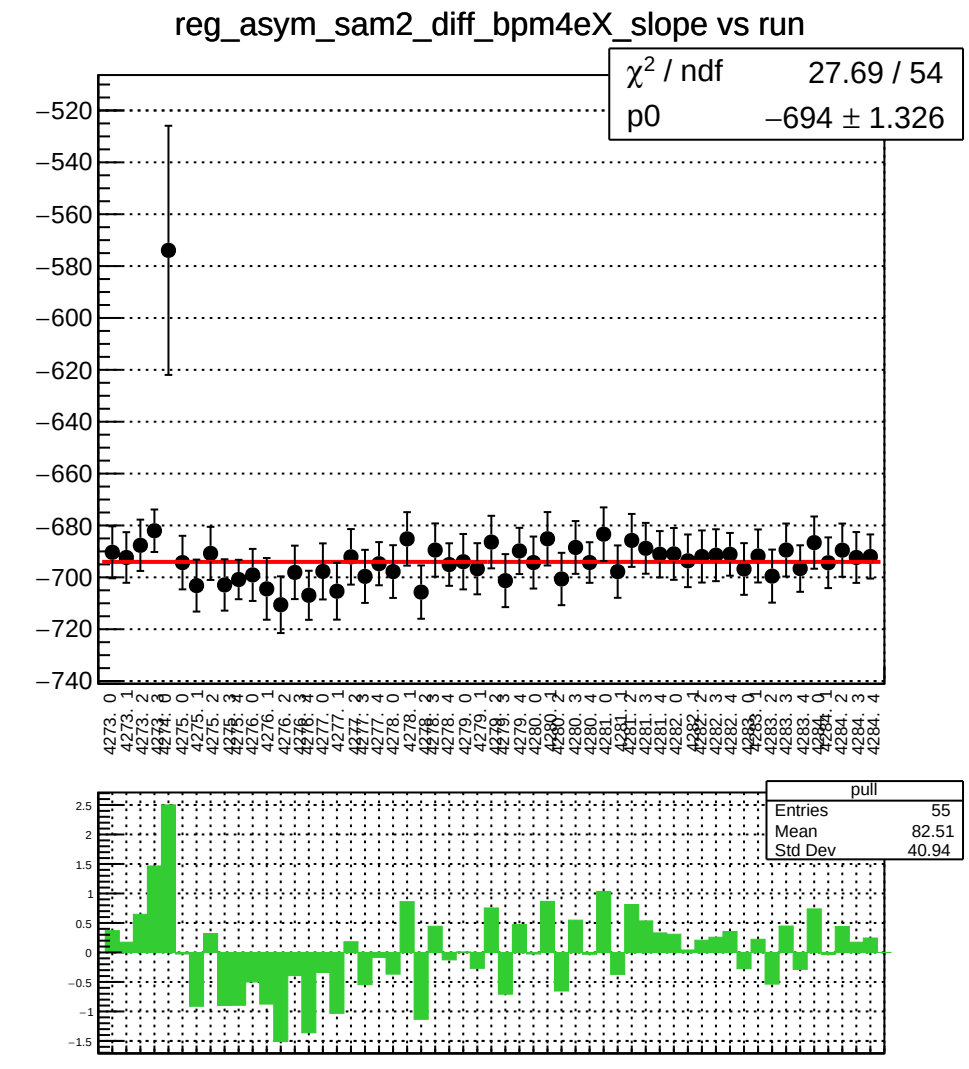

pull1D
Entries 55
Mean 0.01132
Std Dev 0.3672

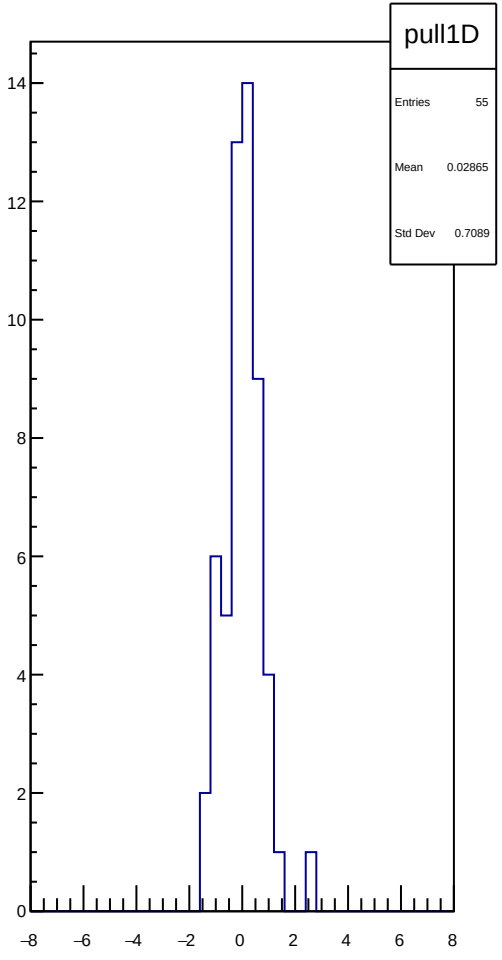

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 9.425 / 54
p0 234.1 ± 7.665
pull
Entries 55
Mean 213.3
Std Dev 196.9

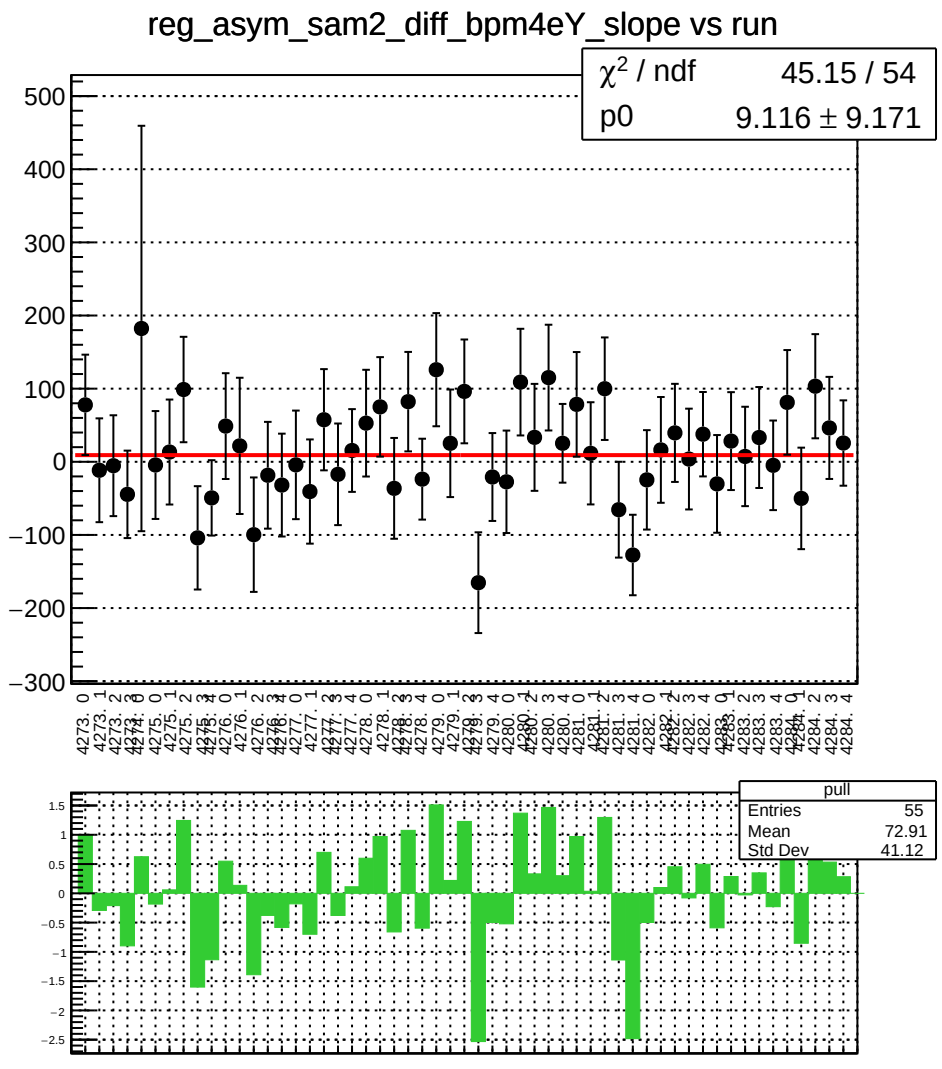

pull1D
Entries 55
Mean 0.007565
Std Dev 0.4139

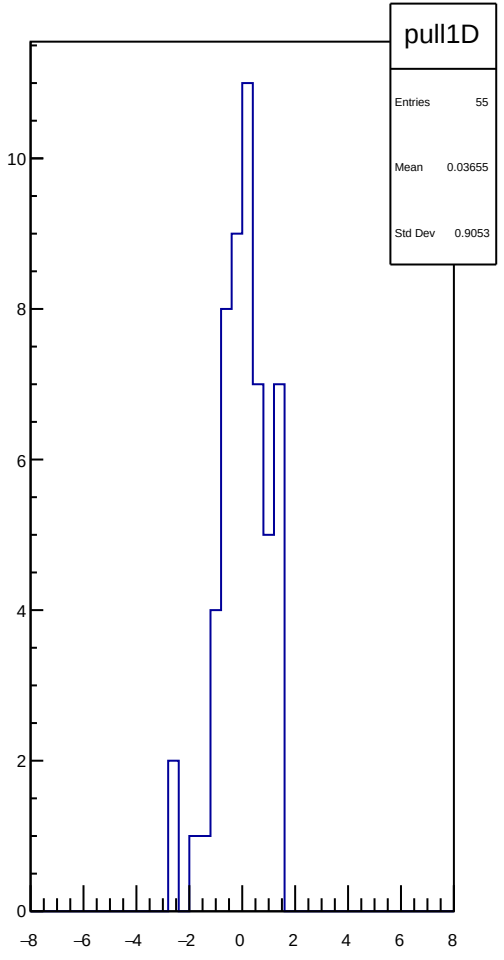

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 41.41 / 54
p0 −283.2 ± 5.364
pull
Entries 55
Mean 86.15
Std Dev 58.79

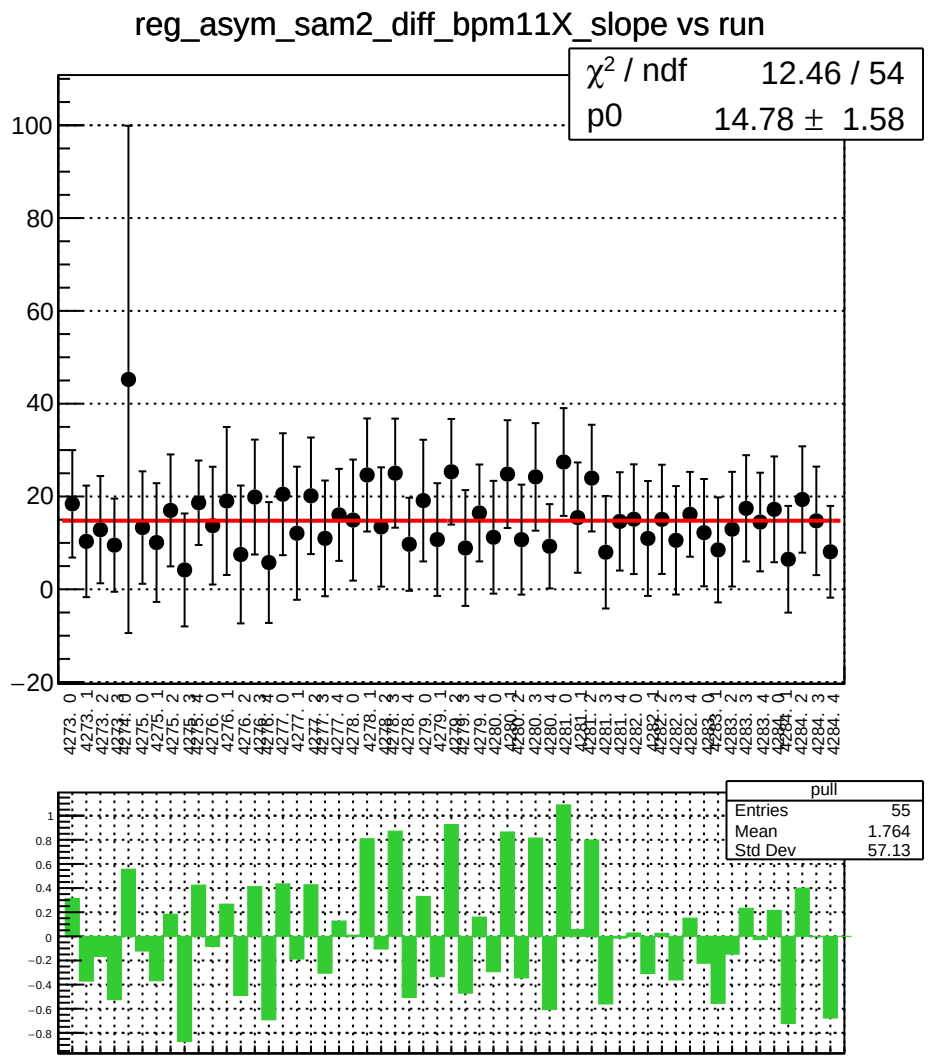

pull1D
Entries 55
Mean −0.03273
Std Dev 0.867

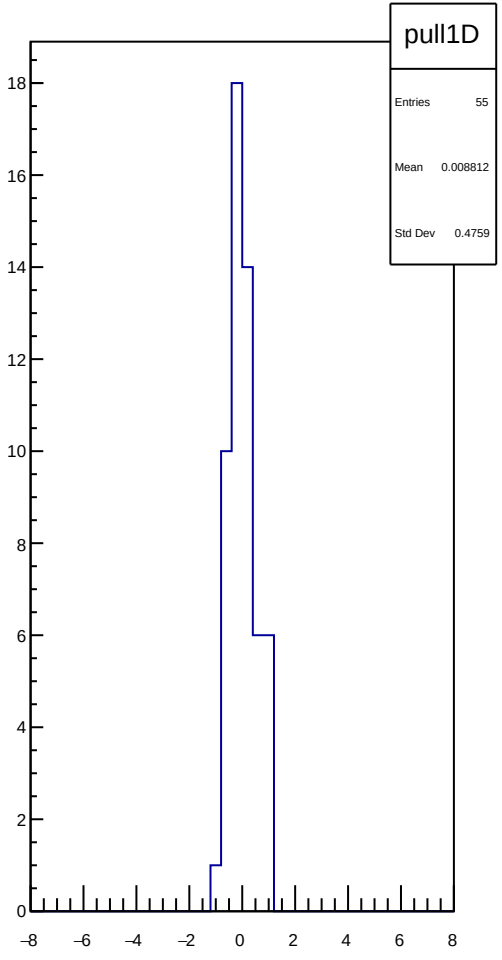

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 27.69 / 54
p0 −694 ± 1.326
pull
Entries 55
Mean 82.51
Std Dev 40.94

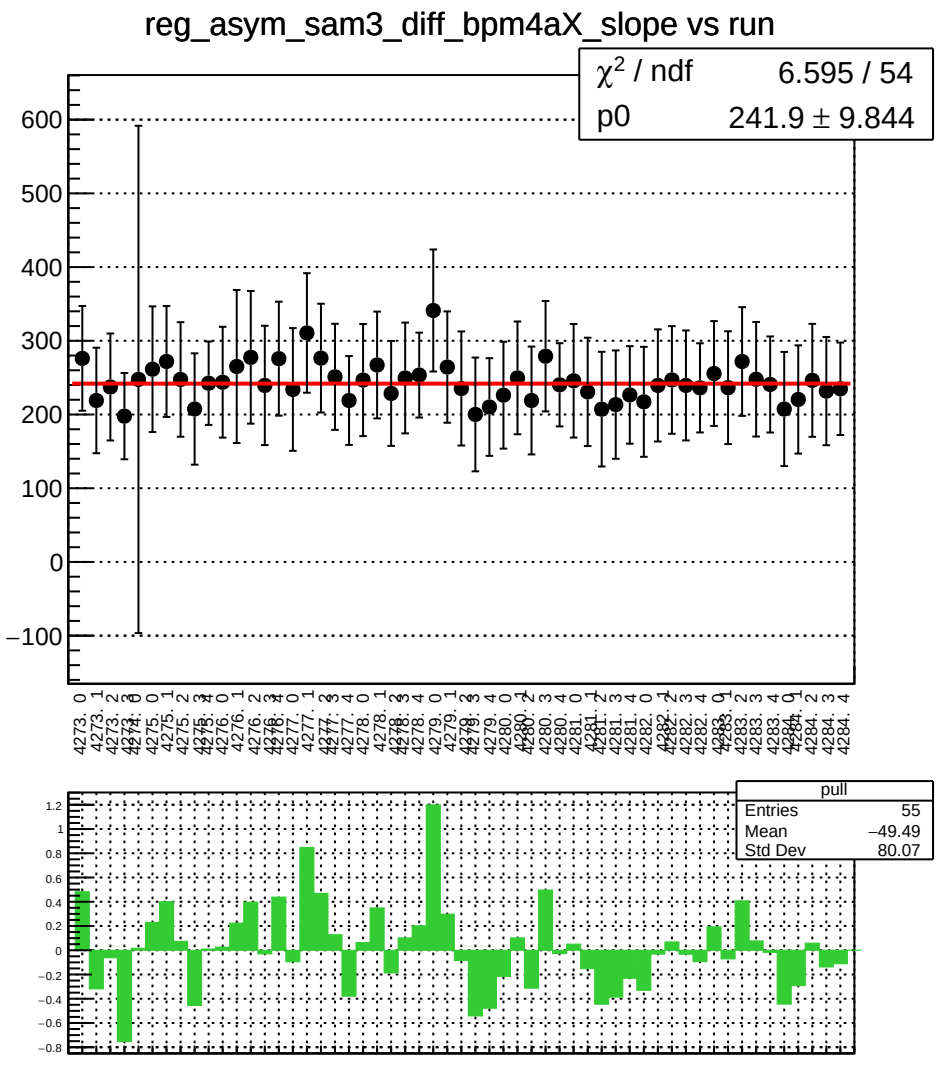

pull1D
Entries 55
Mean 0.02865
Std Dev 0.7089

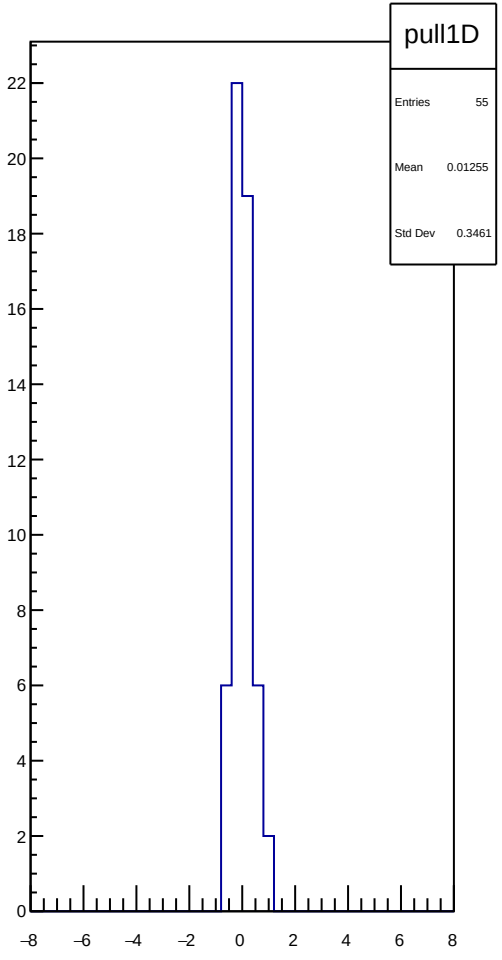

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 45.15 / 54
p0 9.116 ± 9.171
pull
Entries 55
Mean 72.91
Std Dev 41.12

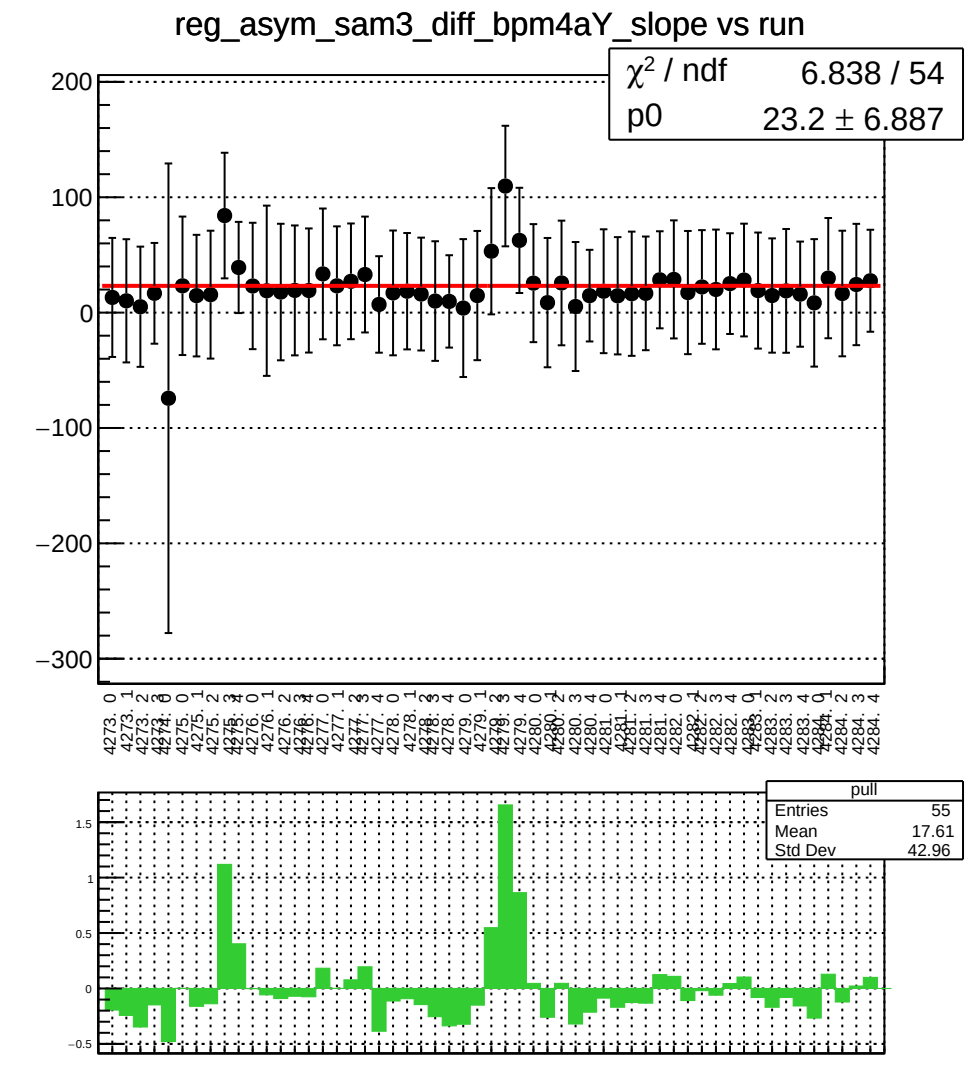

pull1D
Entries 55
Mean 0.03655
Std Dev 0.9053

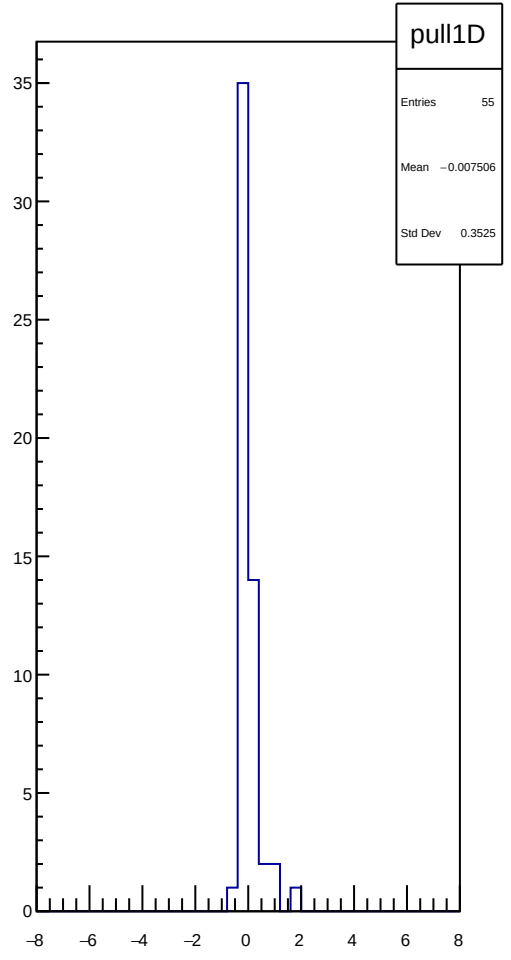

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 12.46 / 54
p0 14.78 ± 1.58
pull
Entries 55
Mean 1.764
Std Dev 57.13

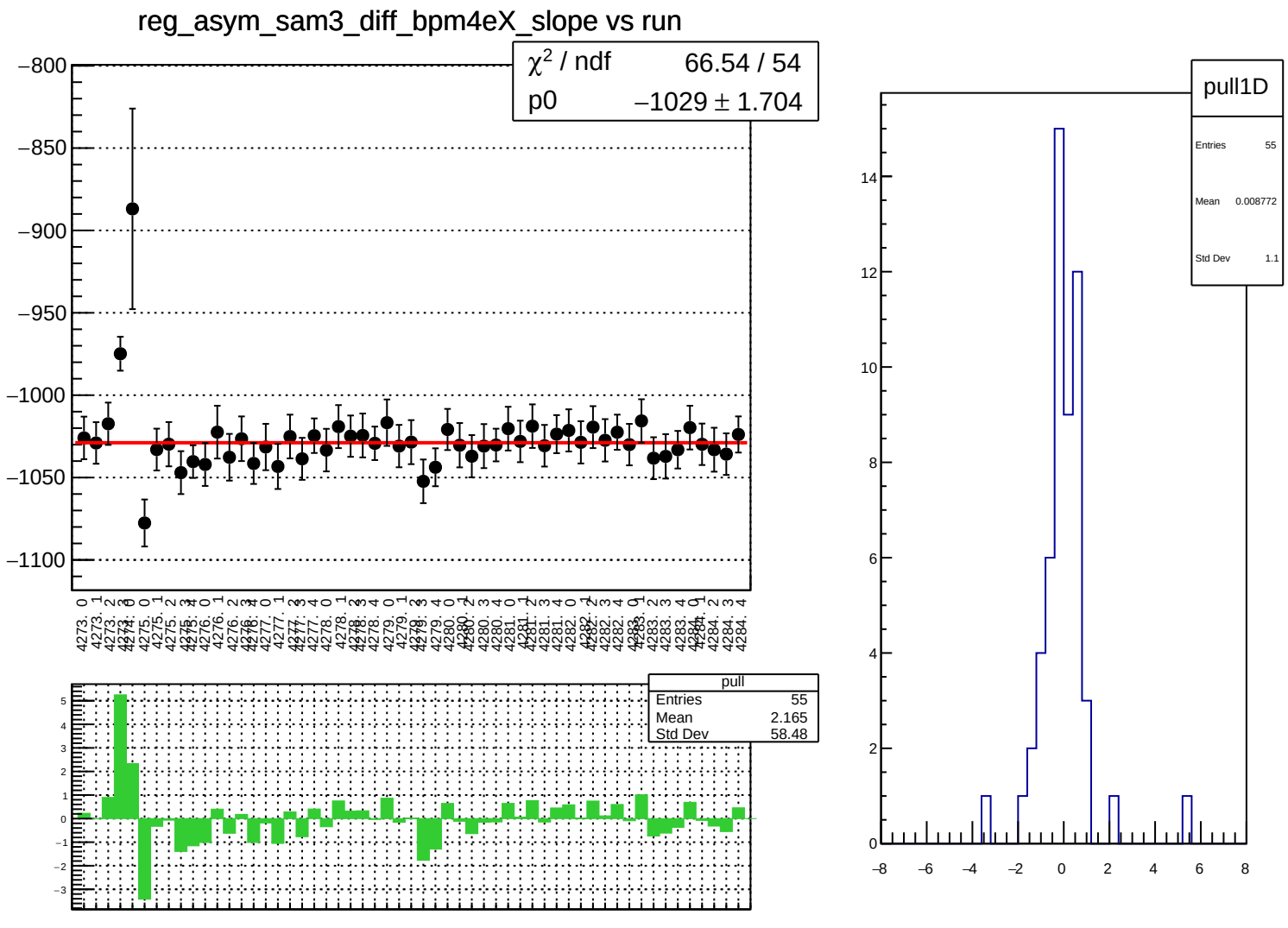

pull1D
Entries 55
Mean 0.008812
Std Dev 0.4759

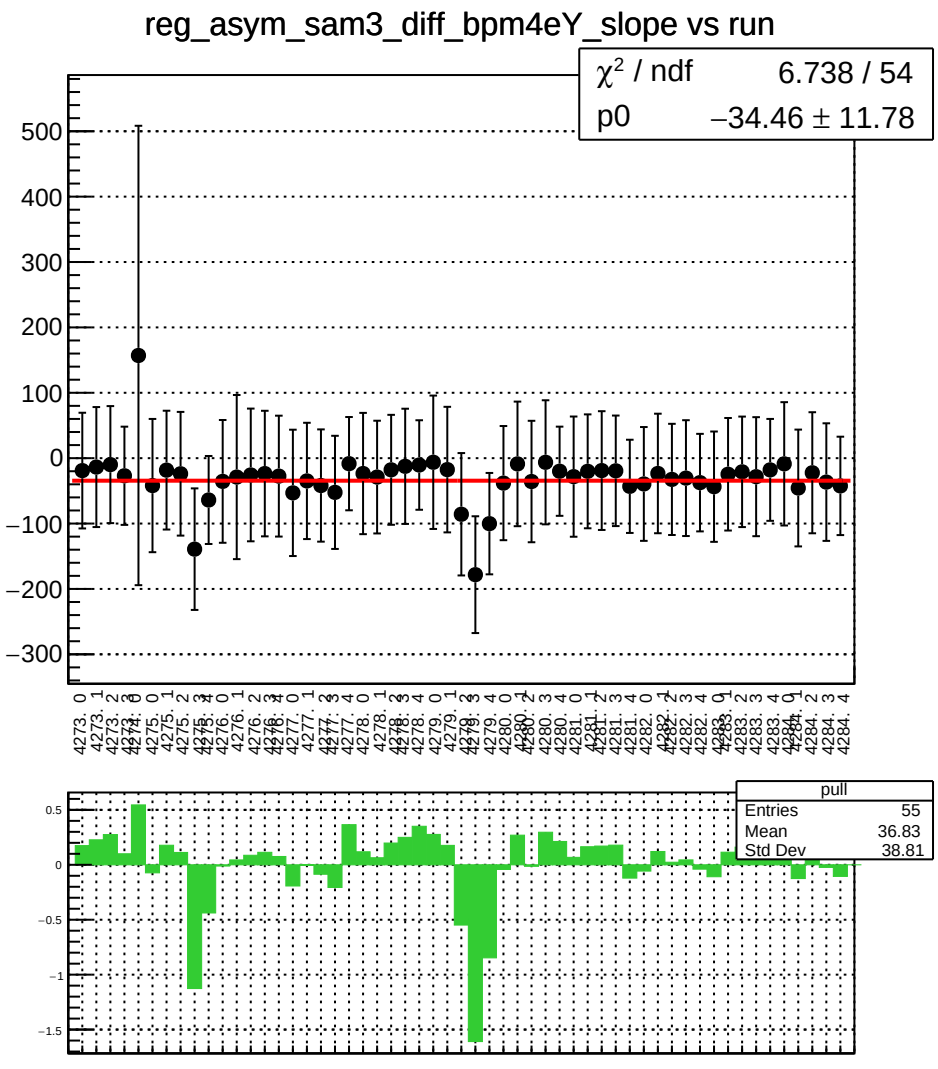

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 6.595 / 54
p0 241.9 ± 9.844
pull
Entries 55
Mean −49.49
Std Dev 80.07

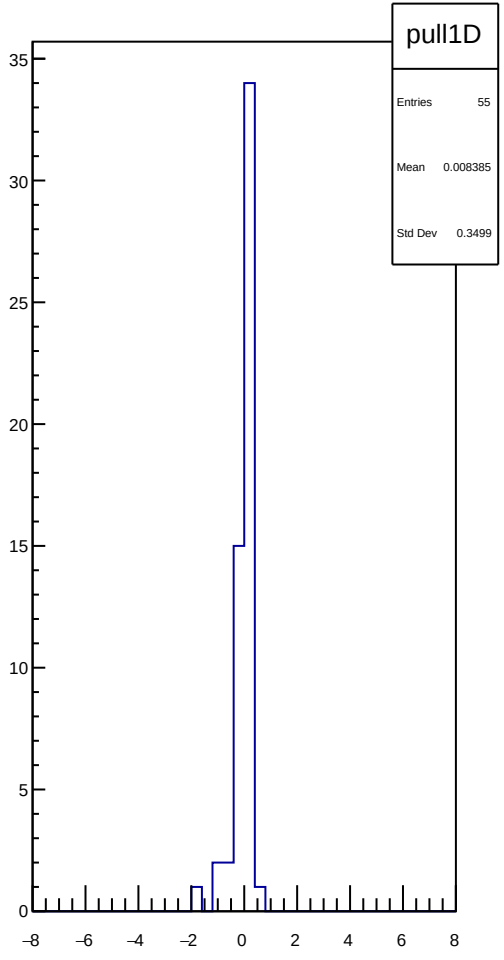

pull1D
Entries 55
Mean 0.01255
Std Dev 0.3461

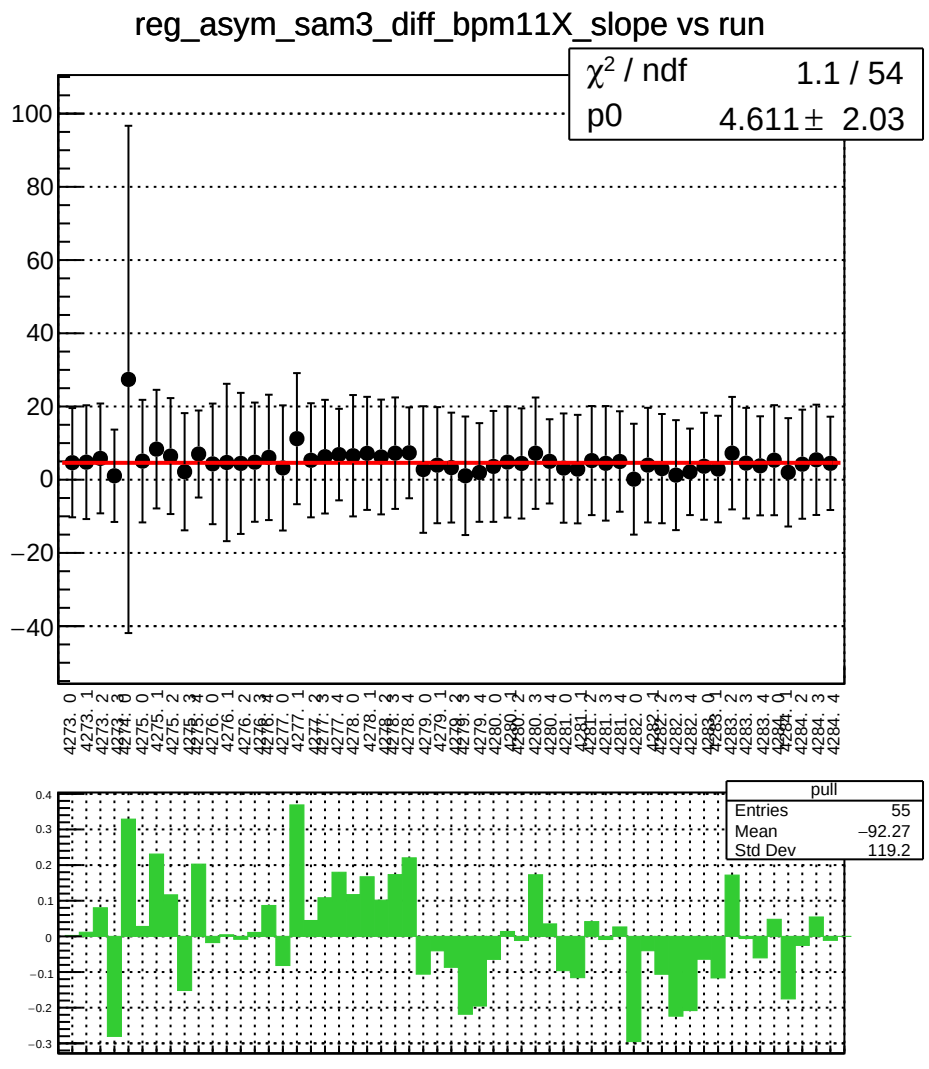

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 6.838 / 54
p0 23.2 ± 6.887
pull
Entries 55
Mean 17.61
Std Dev 42.96

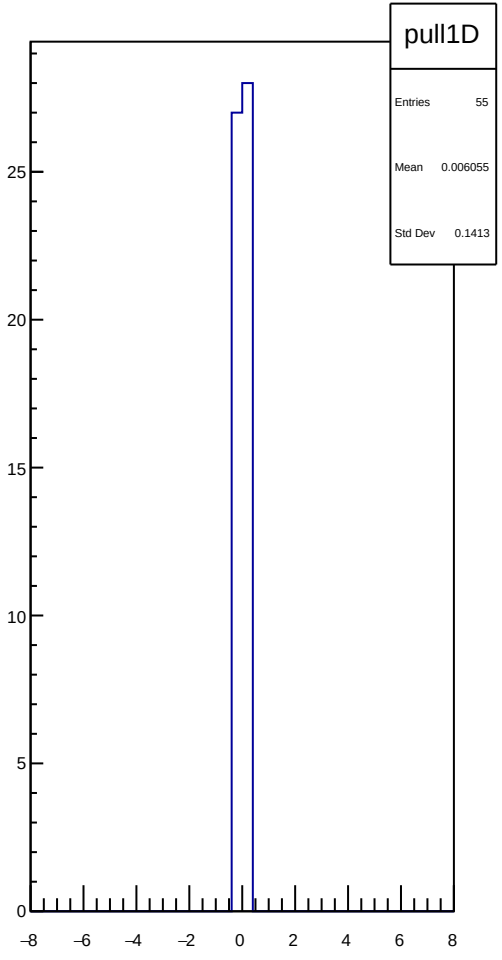

pull1D
Entries 55
Mean −0.007506
Std Dev 0.3525

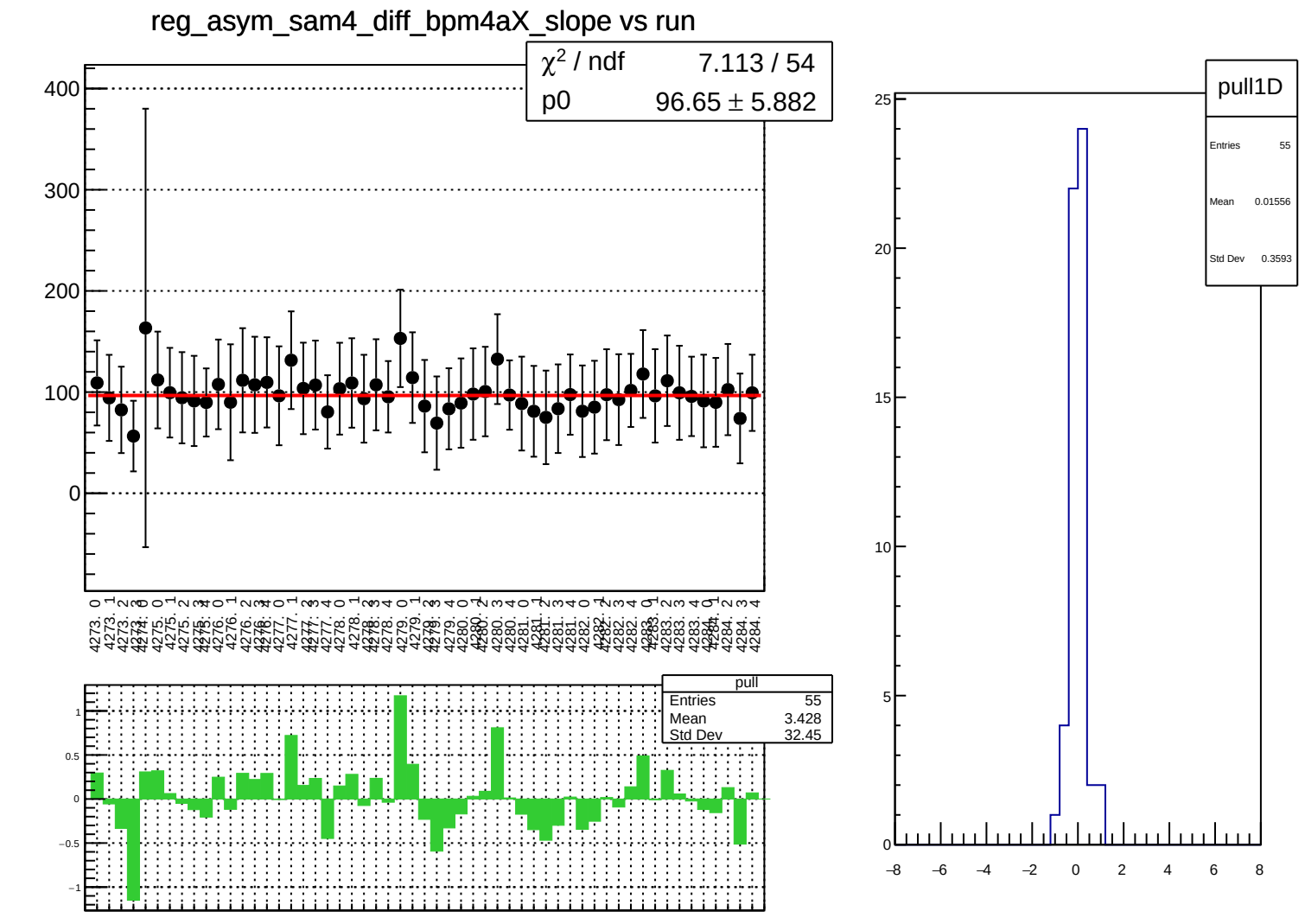

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 66.54 / 54
p0 −1029 ± 1.704
−800
−850
−900
−950
−1000
−1050
−1100
pull
Entries 55
Mean 2.165
Std Dev 58.48
pull1D
Entries 55
Mean 0.008772
Std Dev 1.1

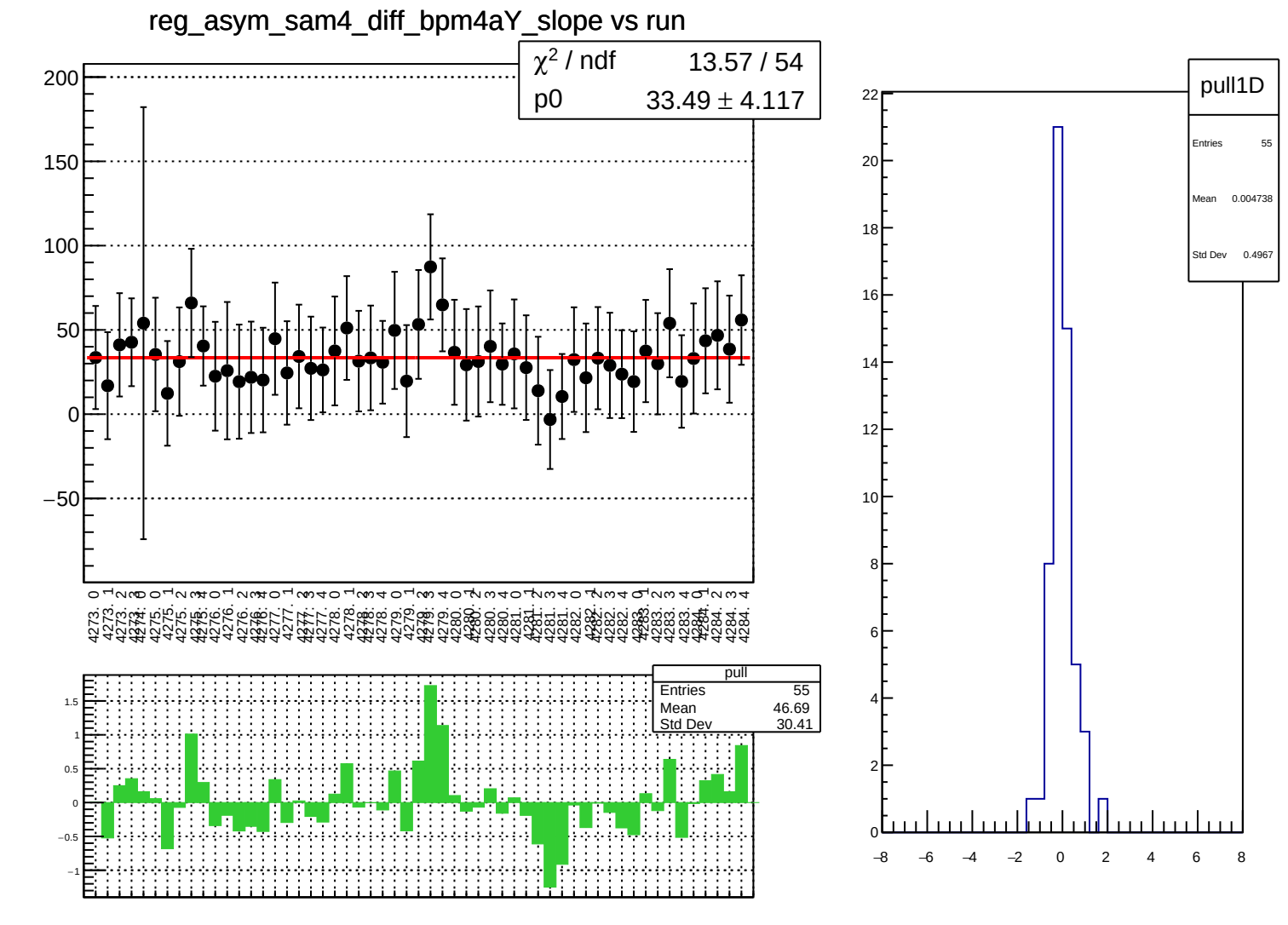

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 6.738 / 54
p0 −34.46 ± 11.78
pull
Entries 55
Mean 36.83
Std Dev 38.81

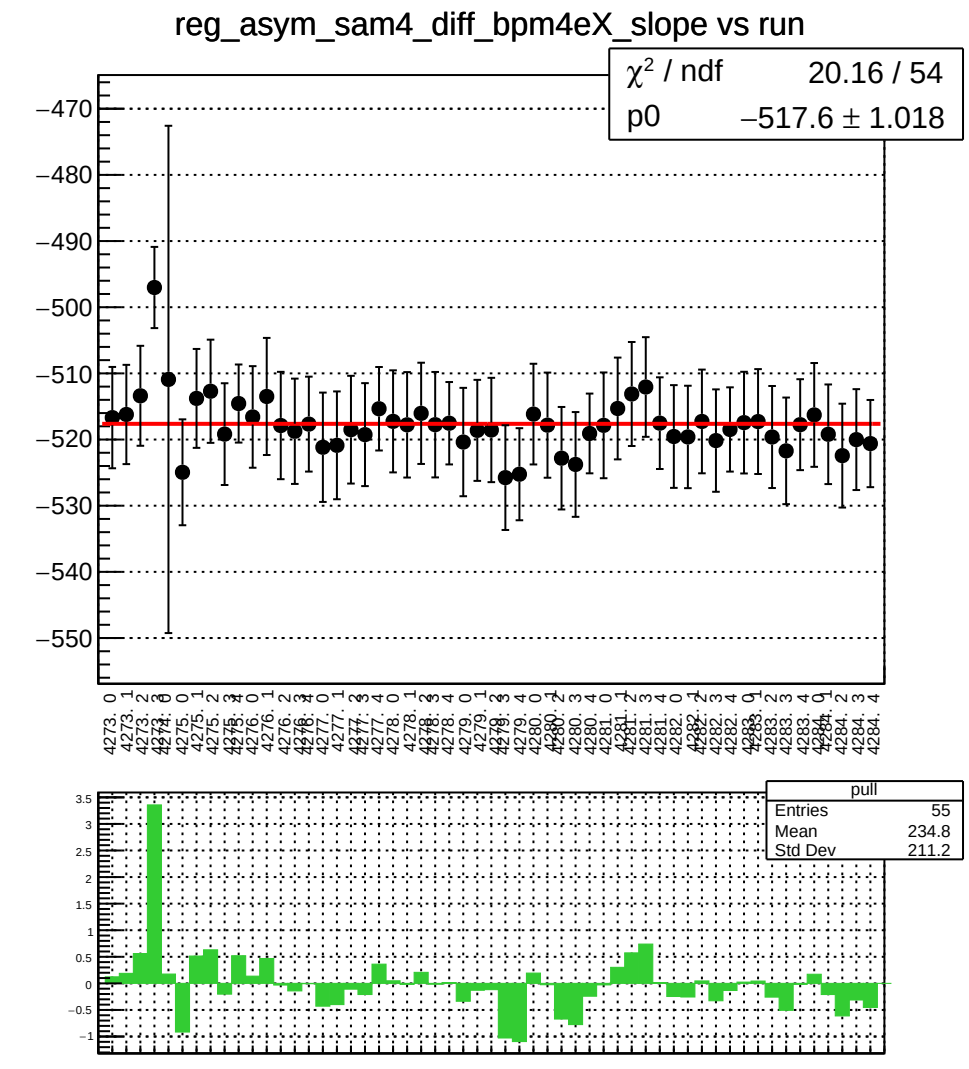

pull1D
Entries 55
Mean 0.008385
Std Dev 0.3499

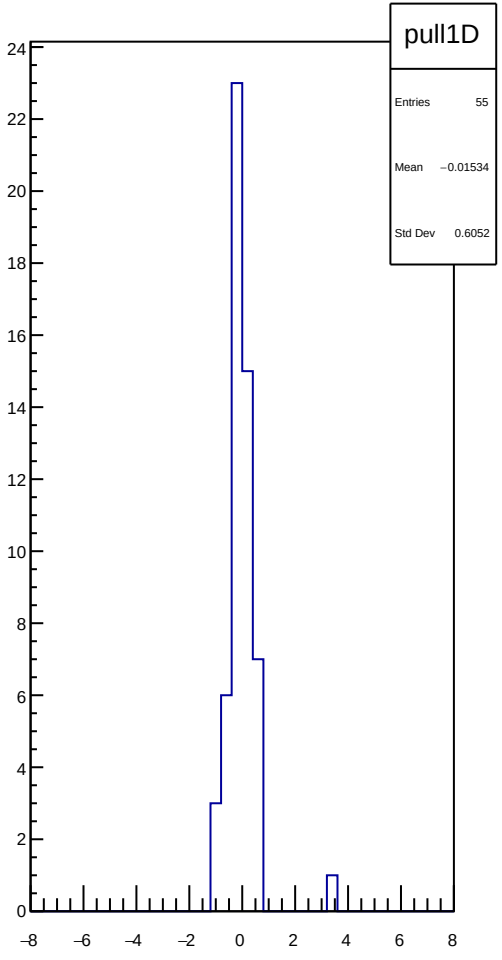

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 1.1 / 54
p0 4.611 ± 2.03
pull
Entries 55
Mean −92.27
Std Dev 119.2

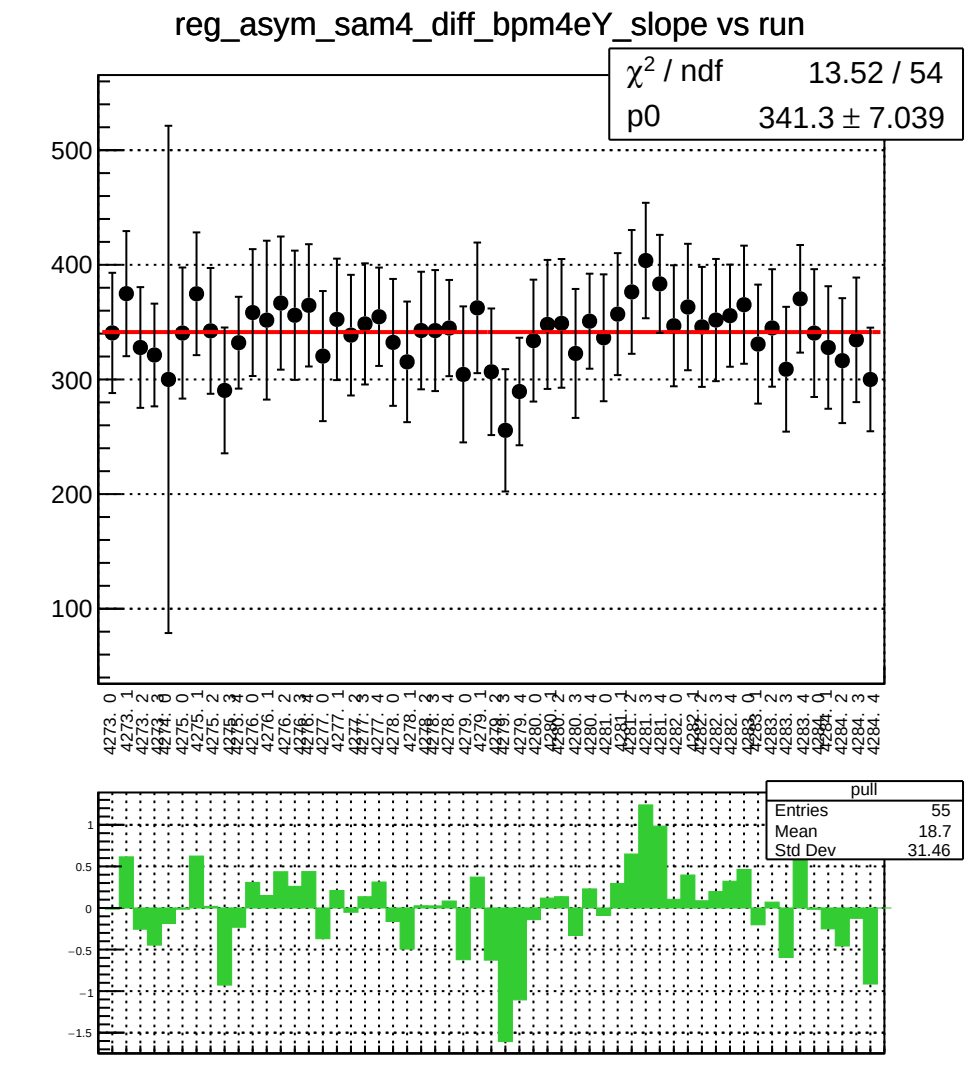

pull1D
Entries 55
Mean 0.006055
Std Dev 0.1413

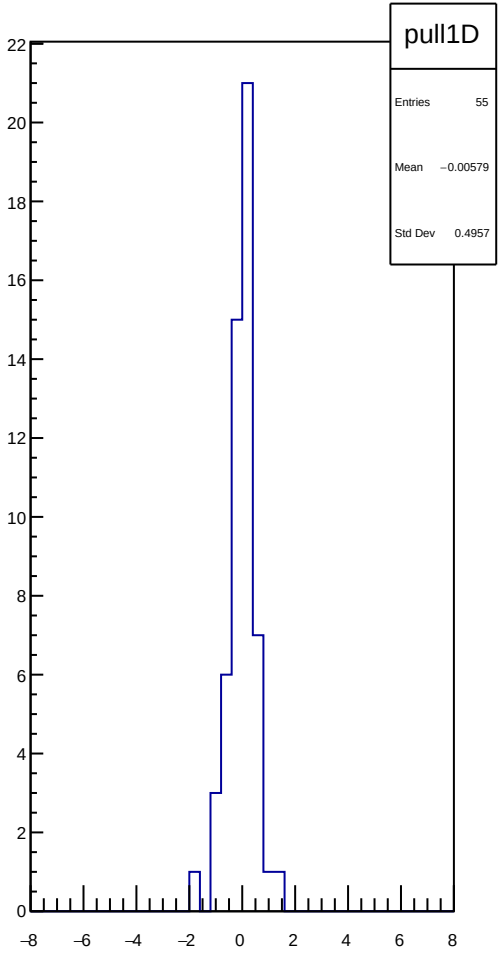

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 7.113 / 54
p0 96.65 ± 5.882
400
300
200
100
0
pull
Entries 55
Mean 3.428
Std Dev 32.45
1
0.5
0
−0.5
−1
pull1D
Entries 55
Mean 0.01556
Std Dev 0.3593
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

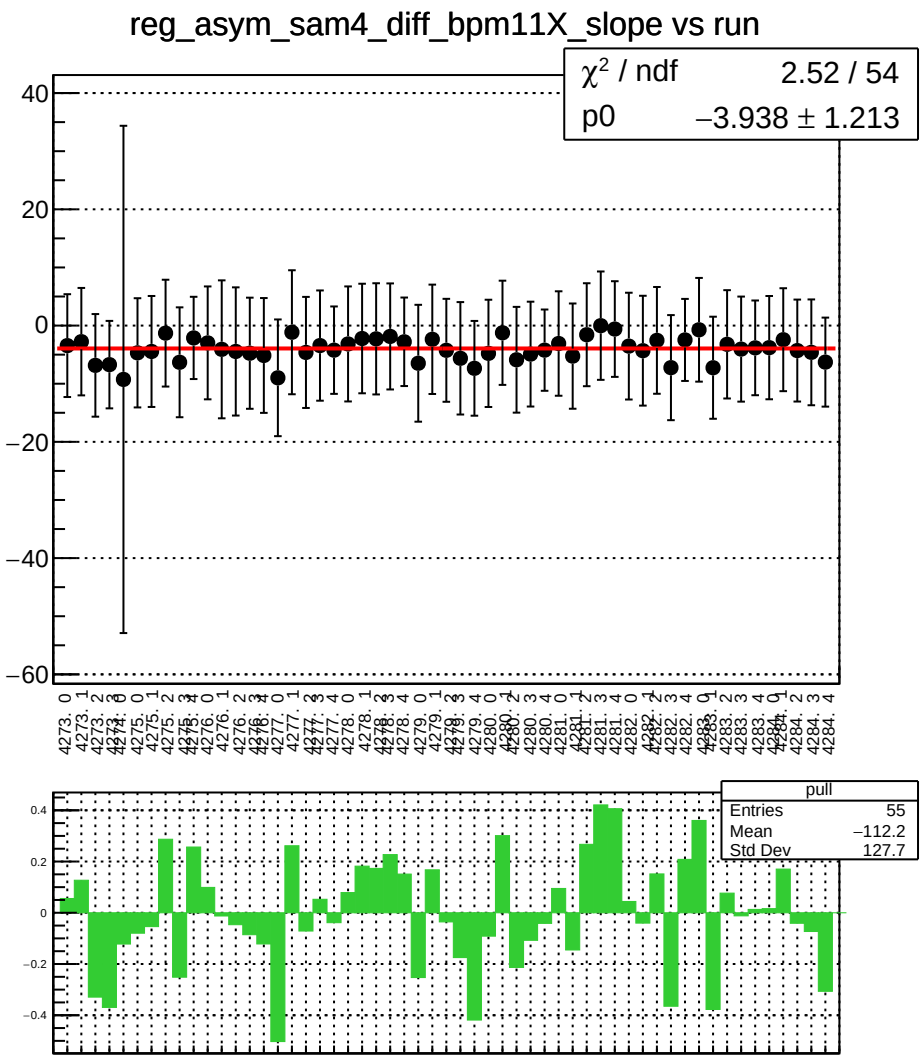

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 13.57 / 54
p0 33.49 ± 4.117
pull
Entries 55
Mean 46.69
Std Dev 30.41
pull1D
Entries 55
Mean 0.004738
Std Dev 0.4967

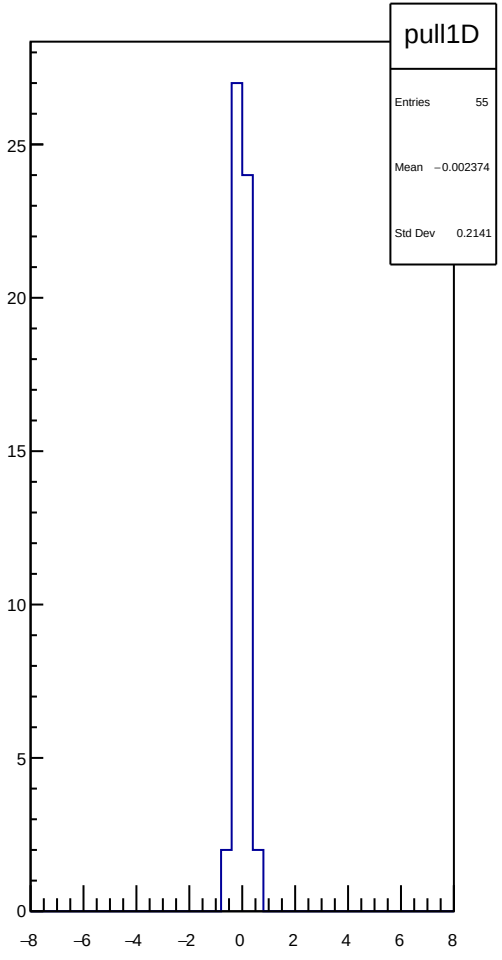

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 20.16 / 54
p0 −517.6 ± 1.018
pull
Entries 55
Mean 234.8
Std Dev 211.2

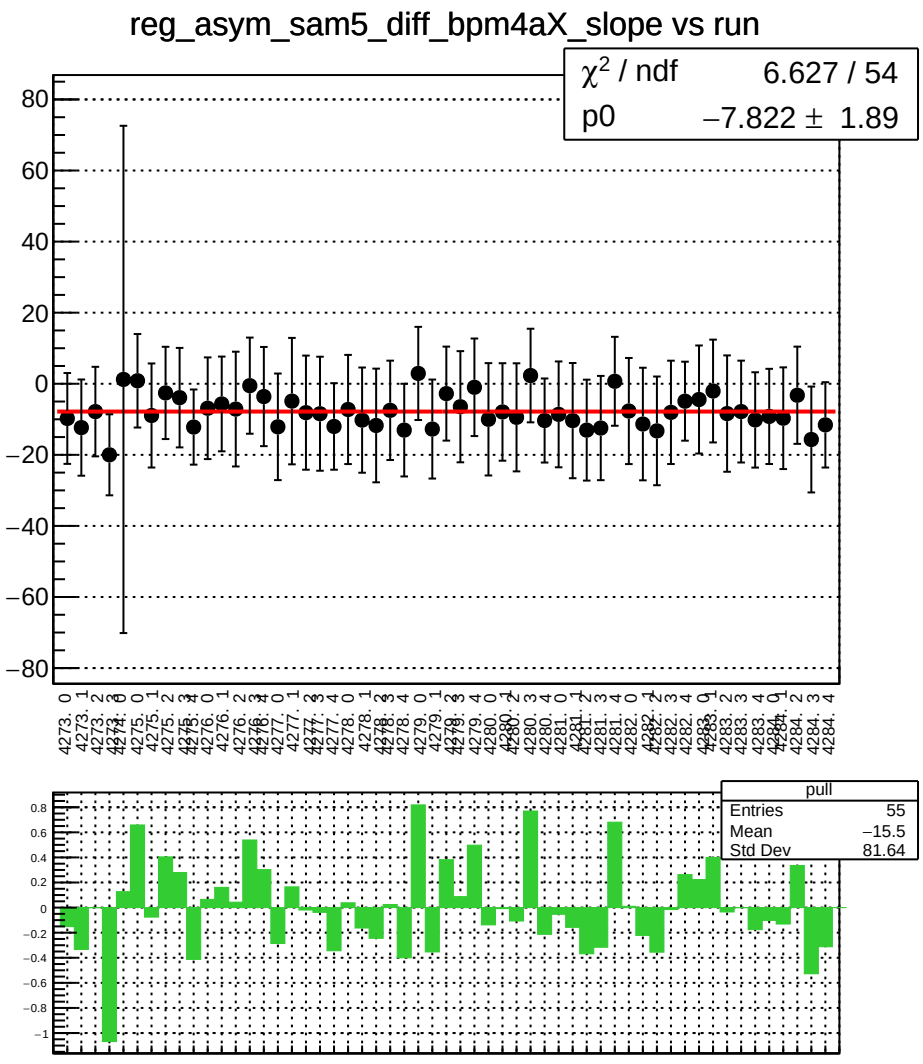

pull1D
Entries 55
Mean −0.01534
Std Dev 0.6052

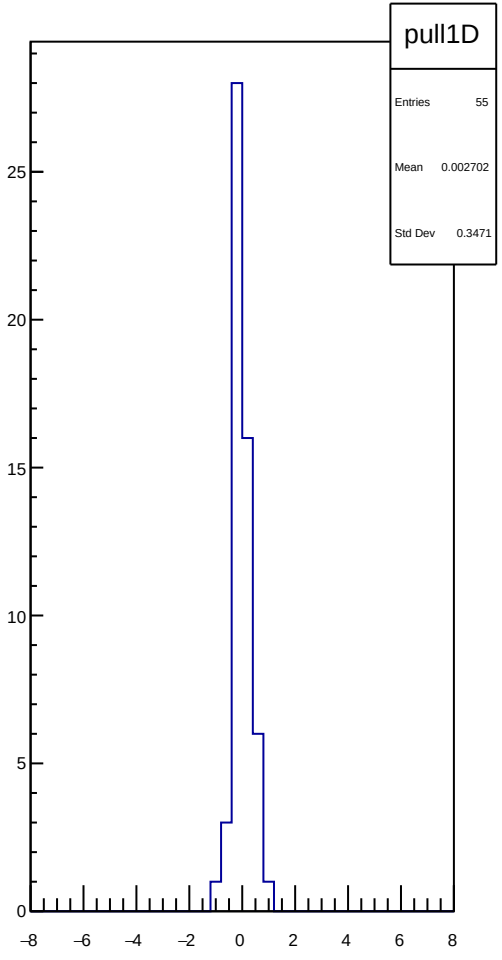

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 13.52 / 54
p0 341.3 ± 7.039
pull
Entries 55
Mean 18.7
Std Dev 31.46

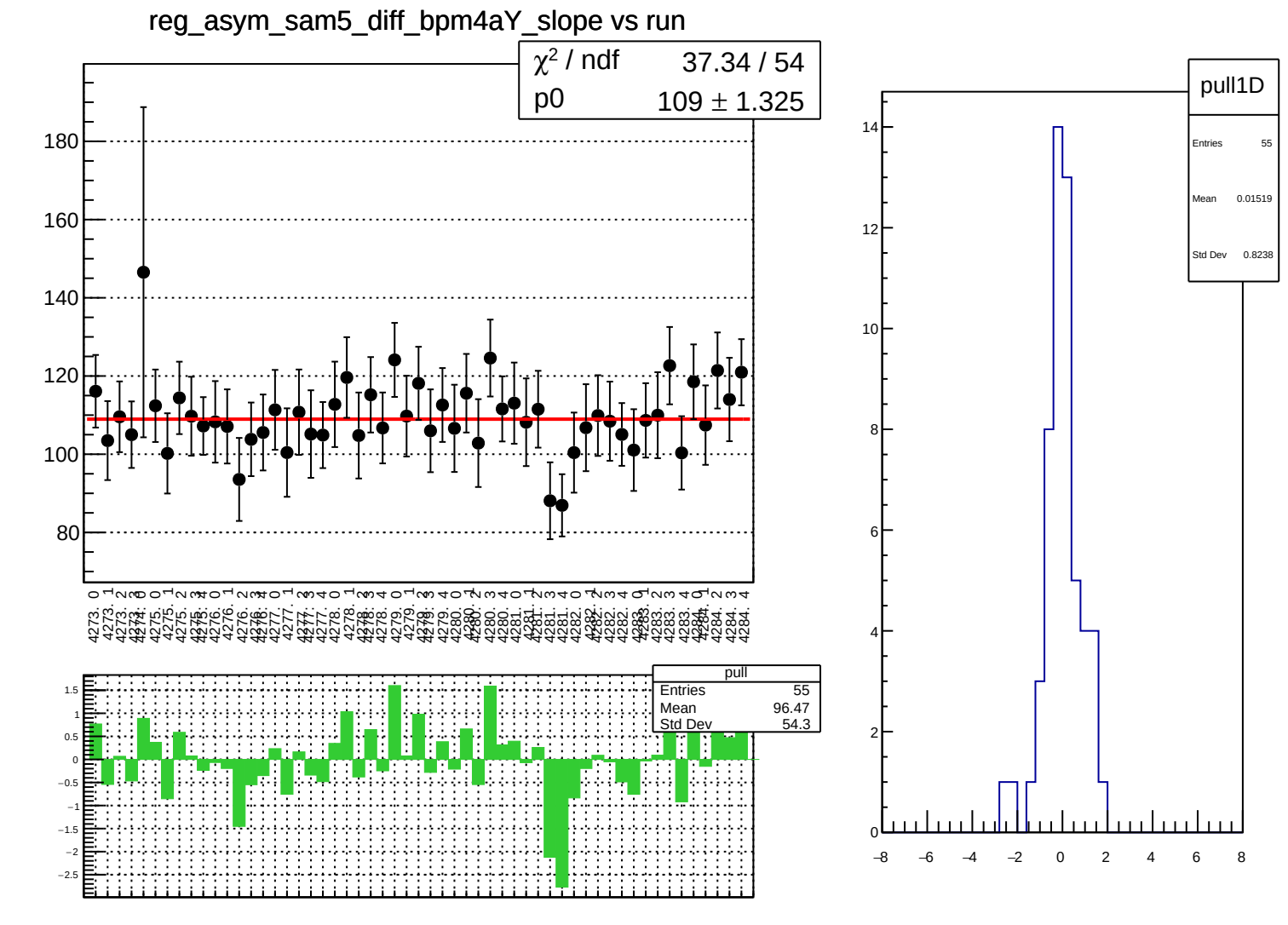

pull1D
Entries 55
Mean −0.00579
Std Dev 0.4957

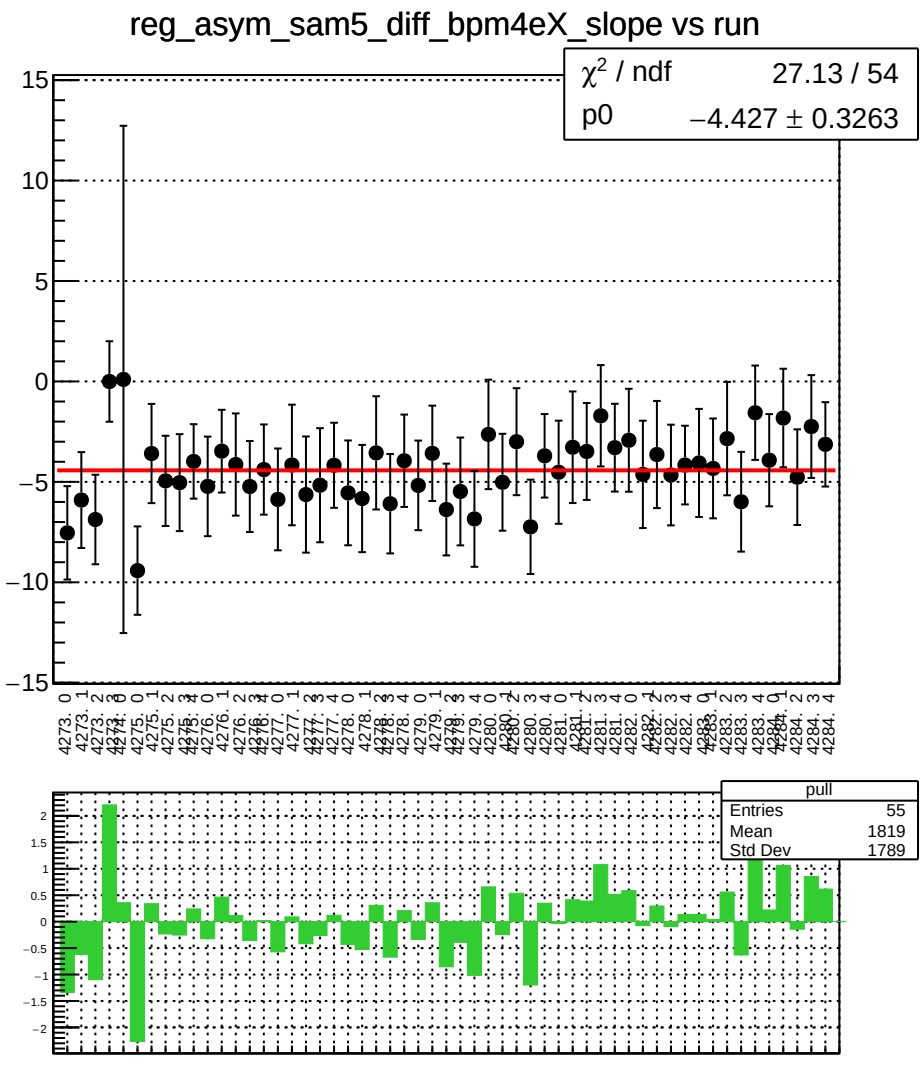

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 2.52 / 54
p0 −3.938 ± 1.213
pull
Entries 55
Mean −112.2
Std Dev 127.7

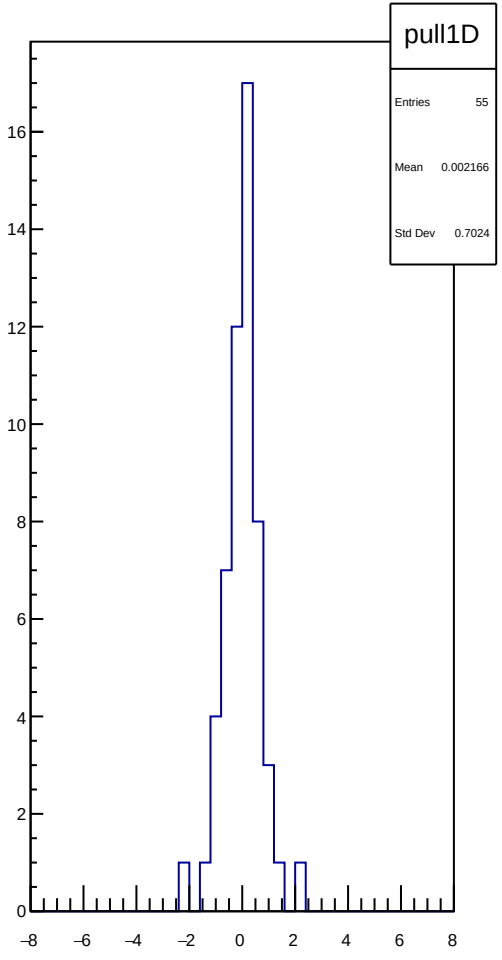

pull1D
Entries 55
Mean −0.002374
Std Dev 0.2141

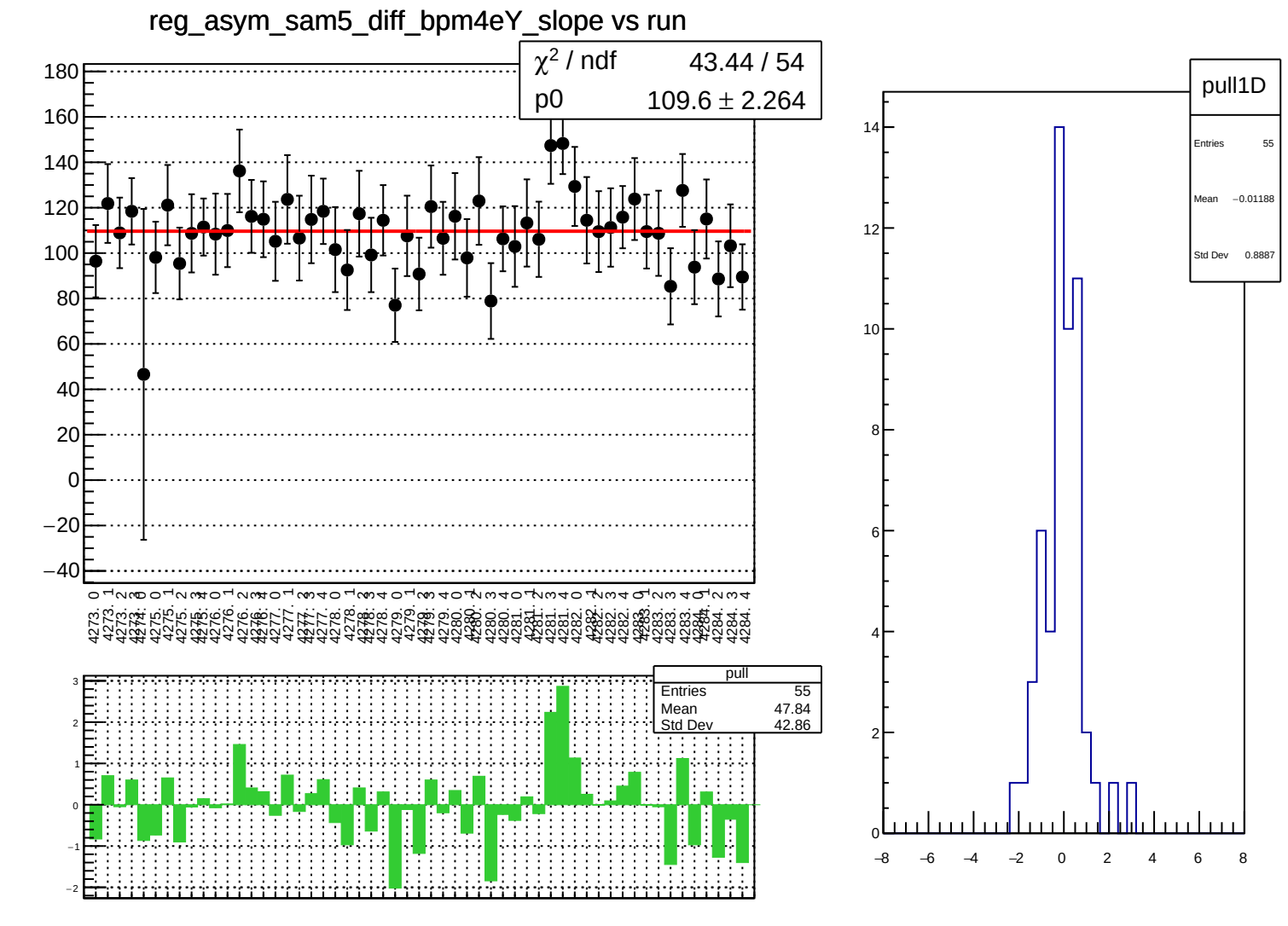

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 6.627 / 54
p0 −7.822 ± 1.89
pull
Entries 55
Mean −15.5
Std Dev 81.64

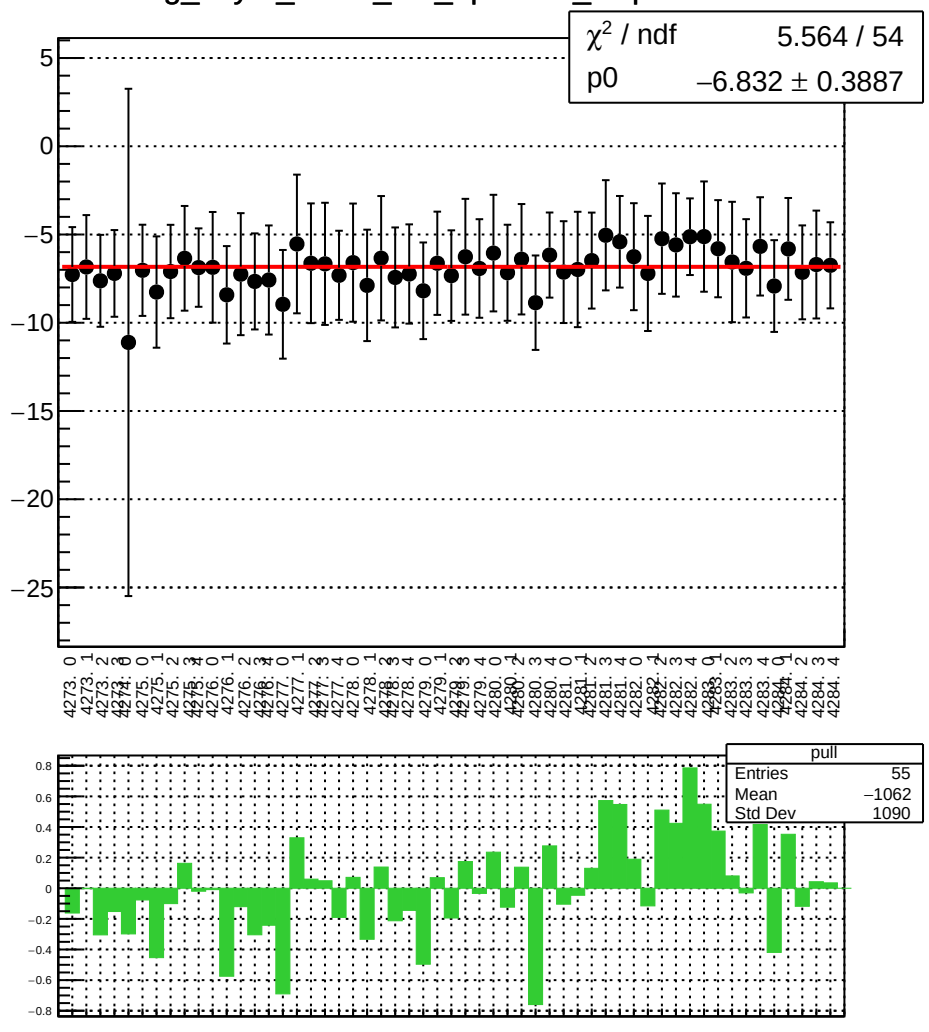

pull1D
Entries 55
Mean 0.002702
Std Dev 0.3471

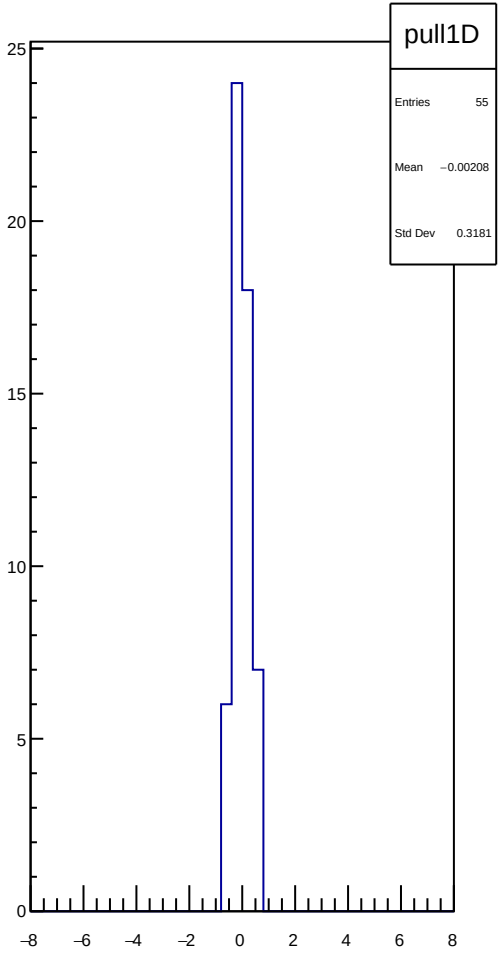

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 37.34 / 54
p0 109 ± 1.325
pull
Entries 55
Mean 96.47
Std Dev 54.3
pull1D
Entries 55
Mean 0.01519
Std Dev 0.8238

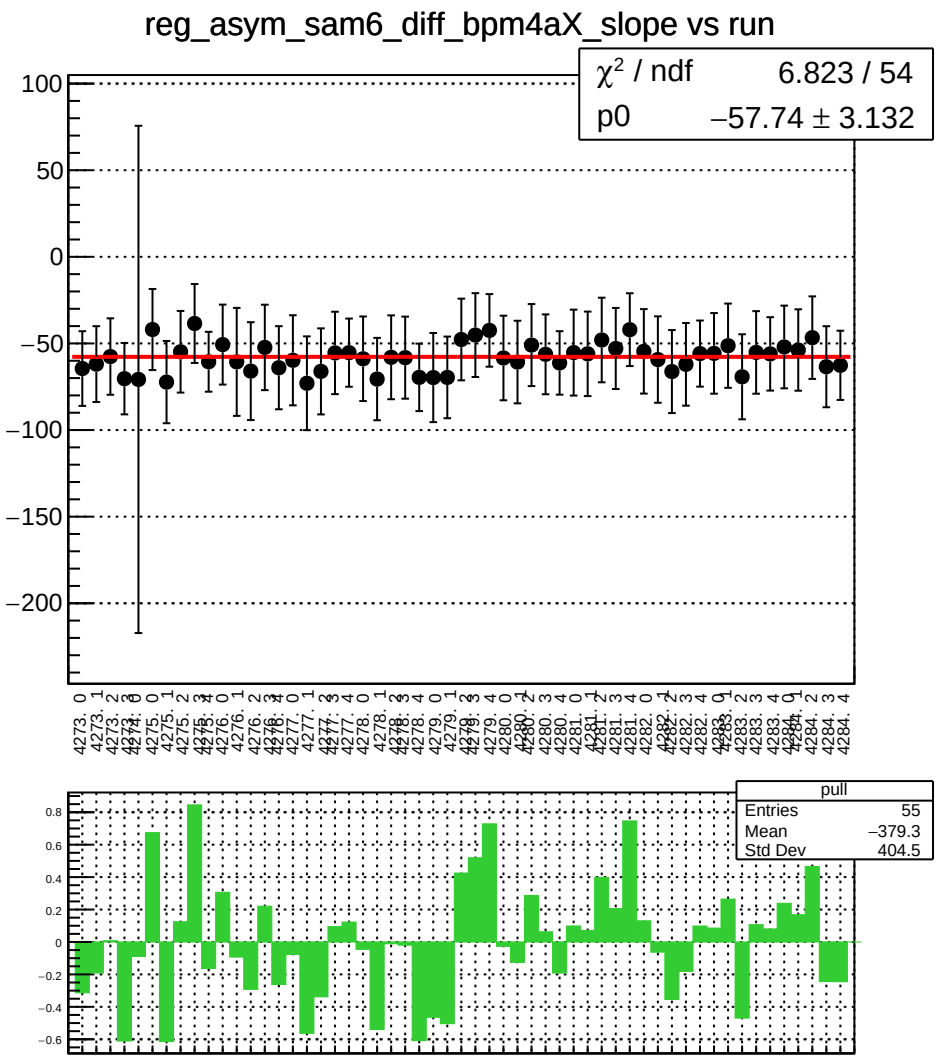

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 27.13 / 54
p0 −4.427 ± 0.3263
pull
Entries 55
Mean 1819
Std Dev 1789

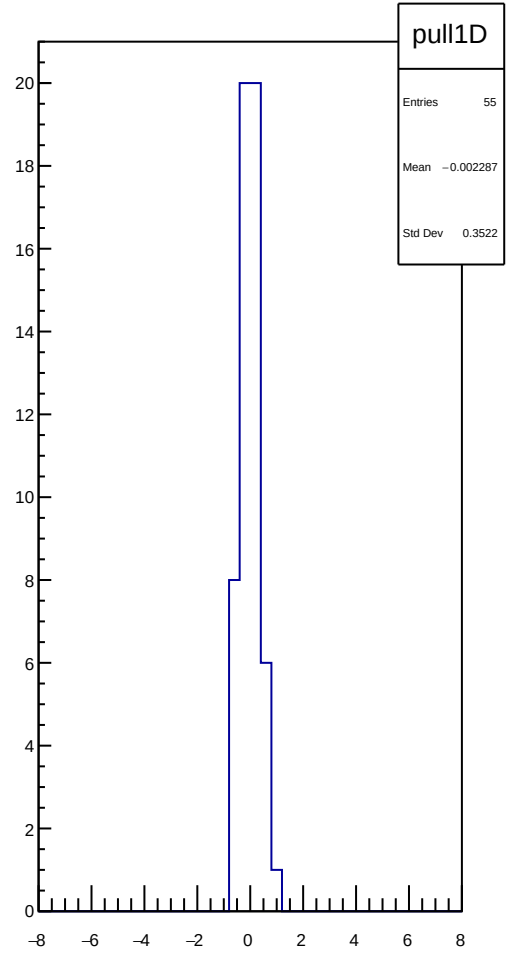

pull1D
Entries 55
Mean 0.002166
Std Dev 0.7024

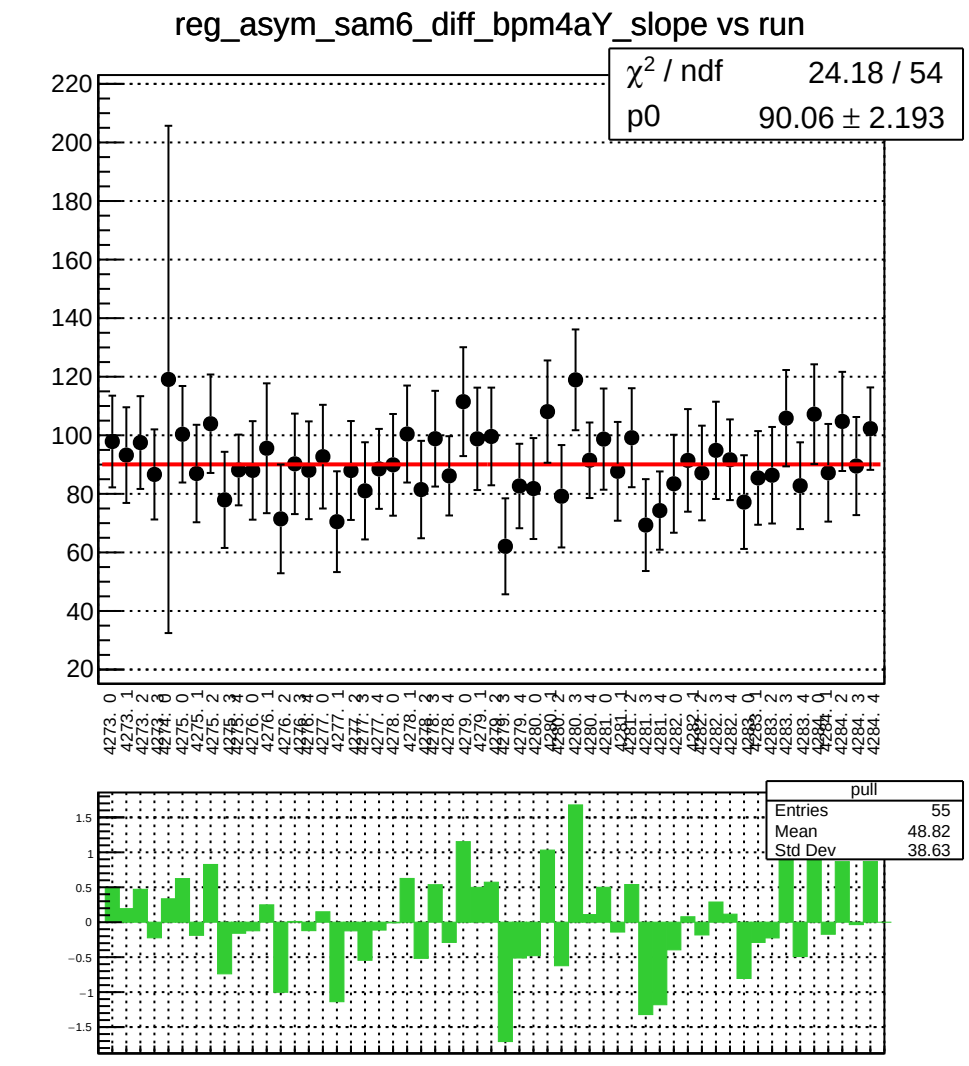

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 43.44 / 54
p0 109.6 ± 2.264
pull
Entries 55
Mean 47.84
Std Dev 42.86
pull1D
Entries 55
Mean −0.01188
Std Dev 0.8887

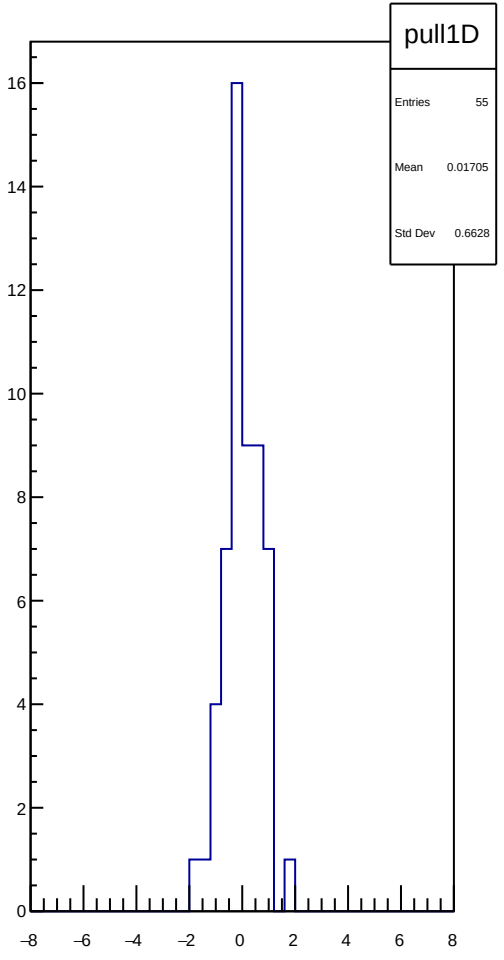

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 5.564 / 54
p0 −6.832 ± 0.3887
pull
Entries 55
Mean −1062
Std Dev 1090

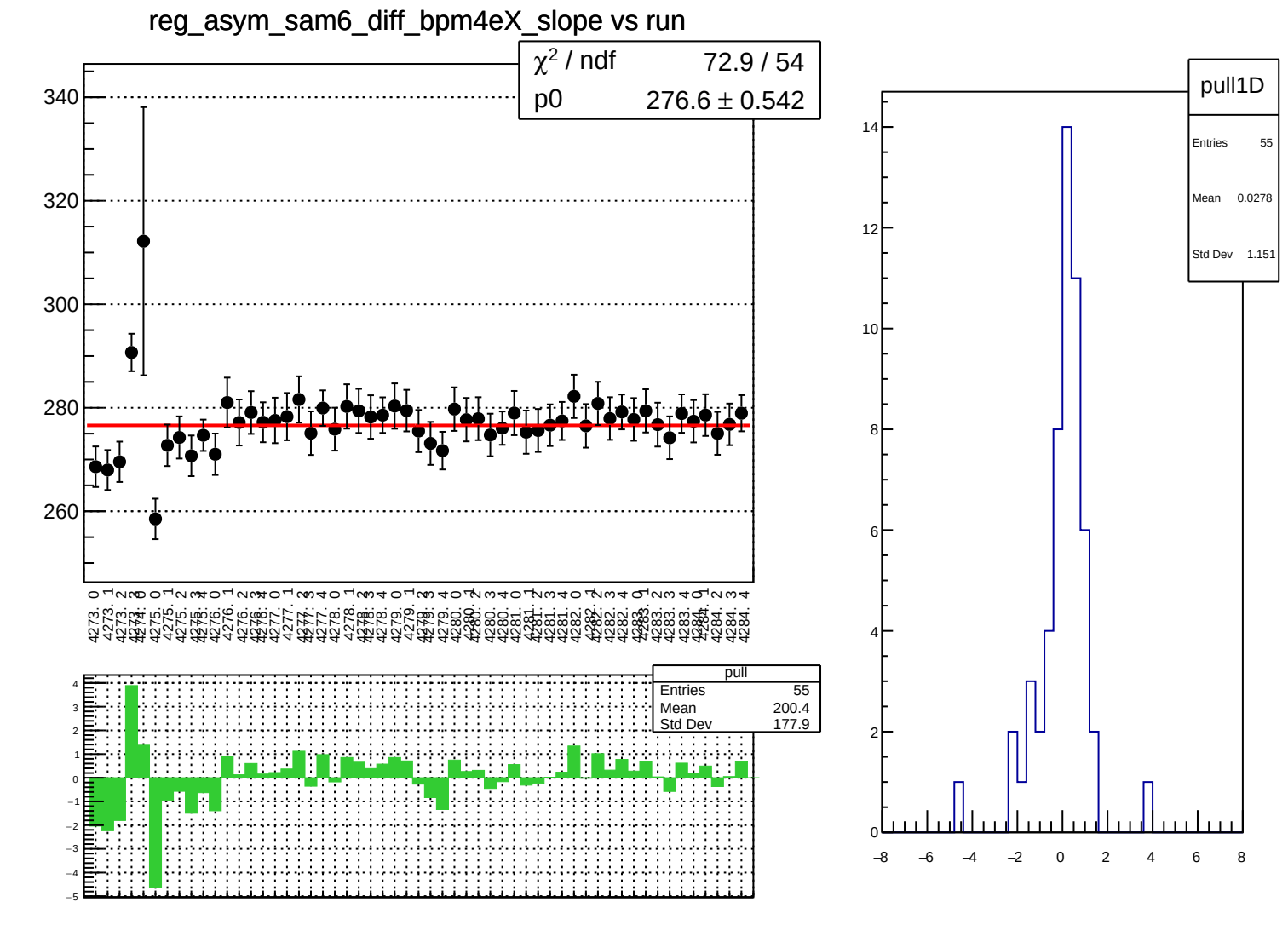

pull1D
Entries 55
Mean −0.00208
Std Dev 0.3181

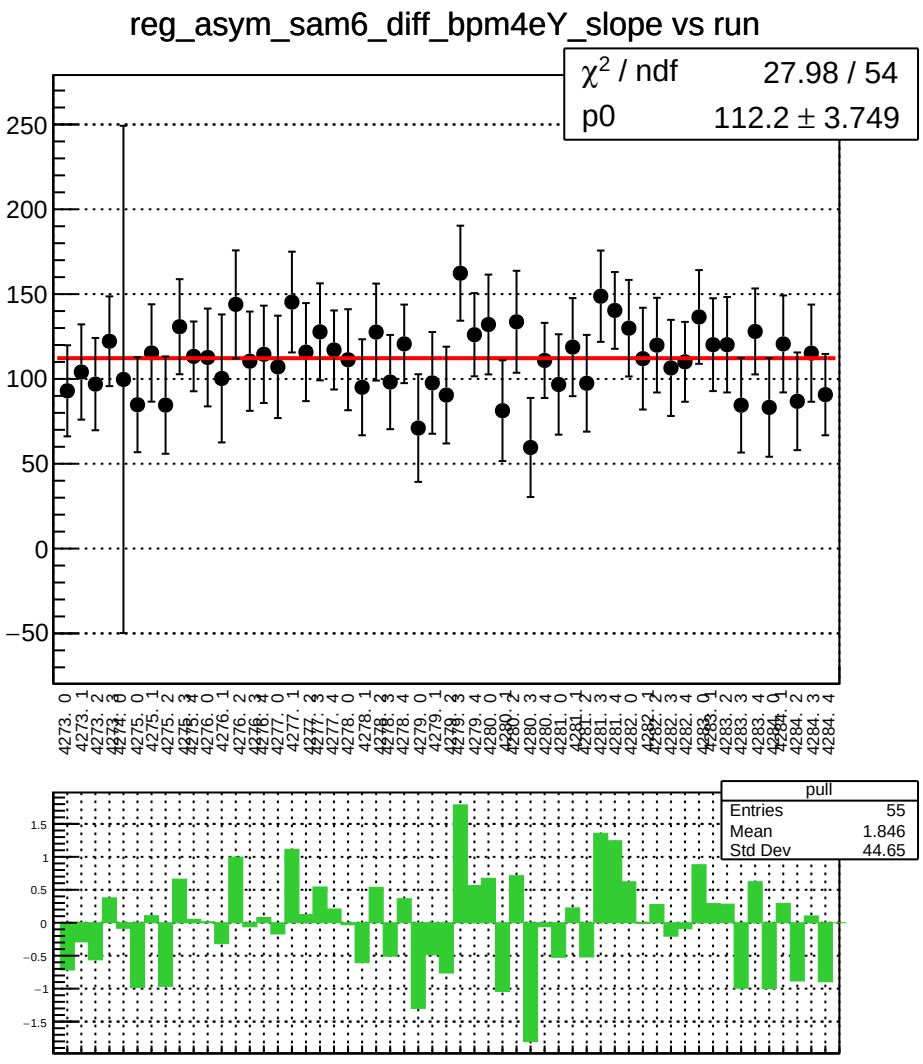

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 6.823 / 54
p0 −57.74 ± 3.132
pull
Entries 55
Mean −379.3
Std Dev 404.5

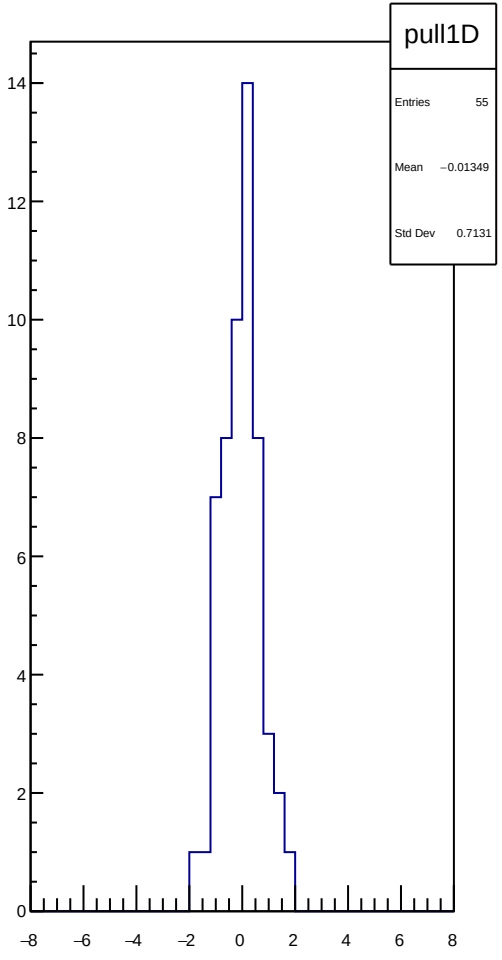

pull1D
Entries 55
Mean −0.002287
Std Dev 0.3522

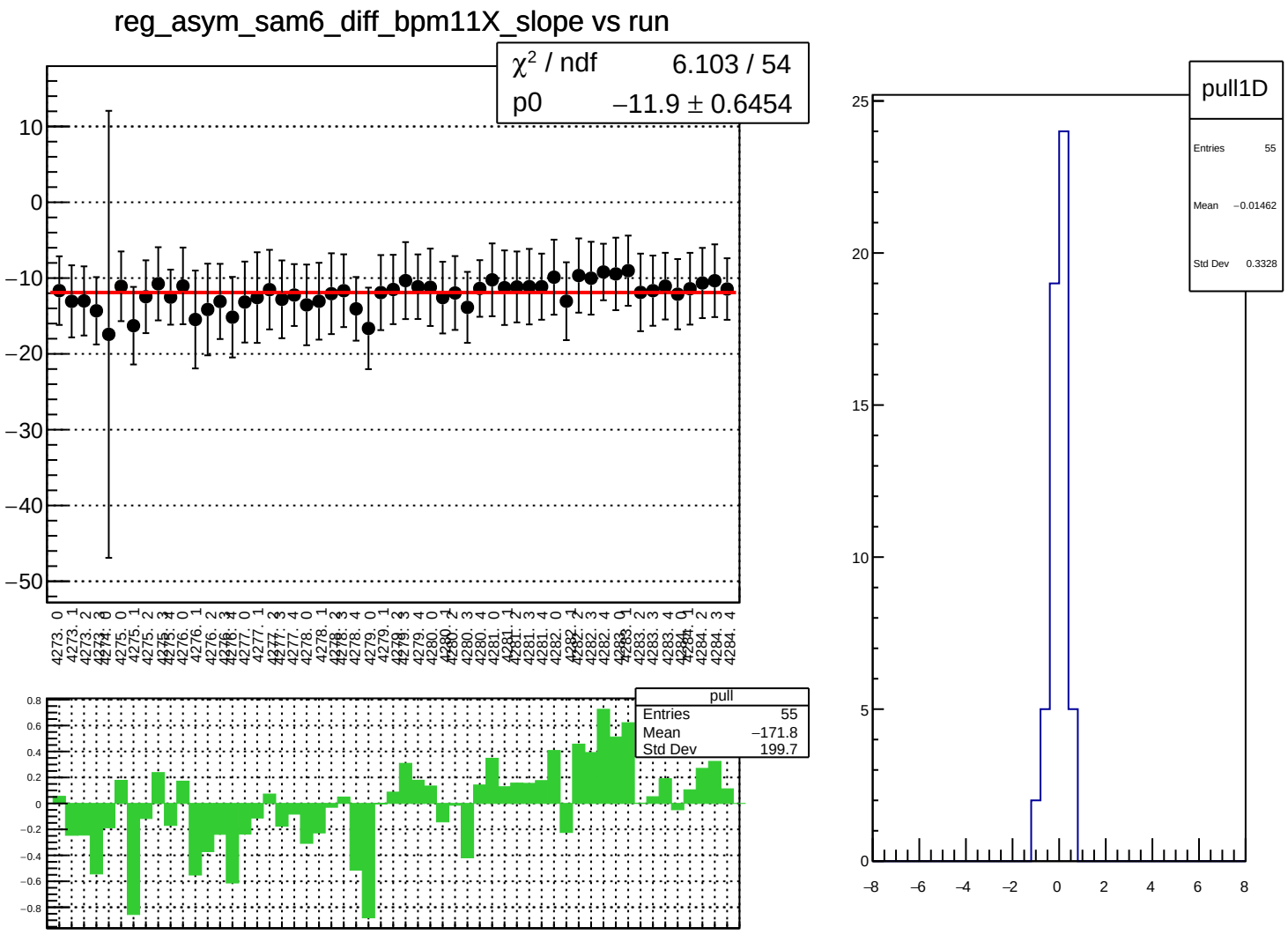

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 24.18 / 54
p0 90.06 ± 2.193
pull
Entries 55
Mean 48.82
Std Dev 38.63

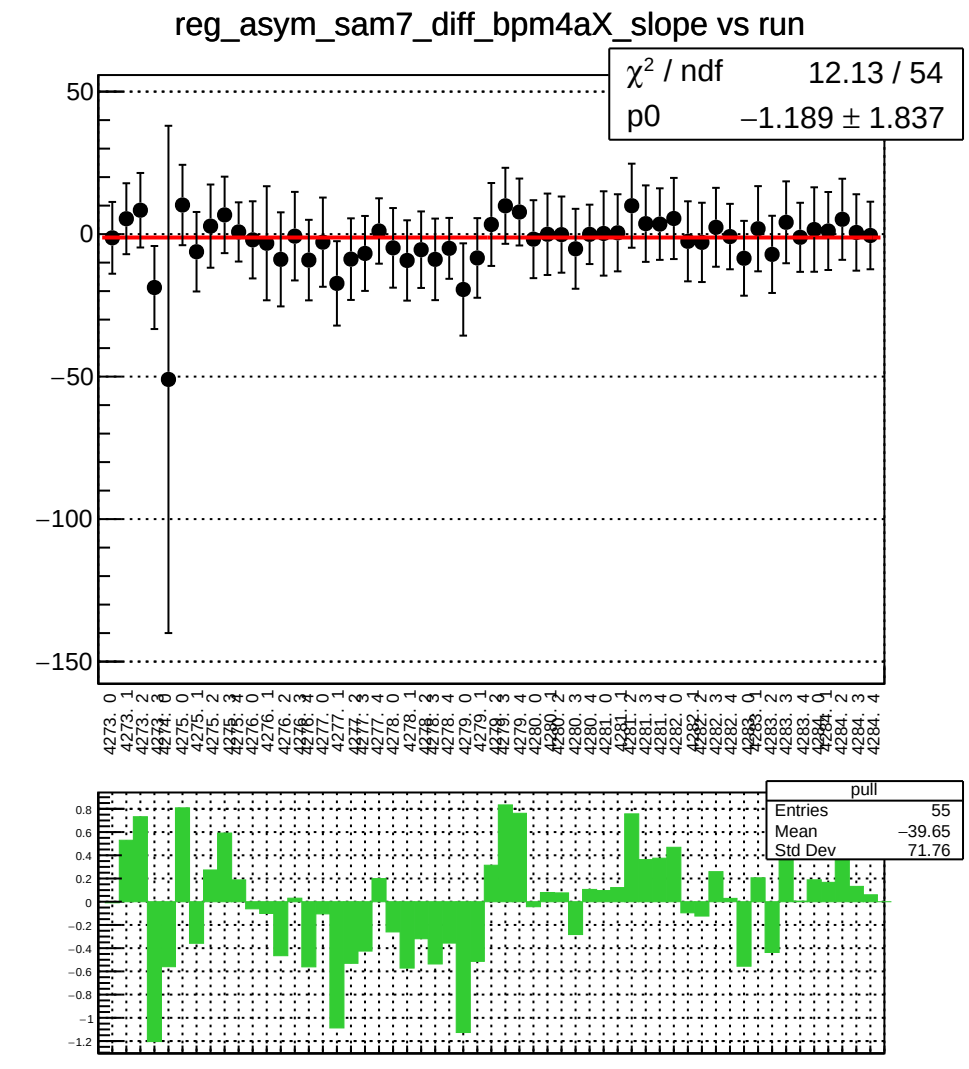

pull1D
Entries 55
Mean 0.01705
Std Dev 0.6628

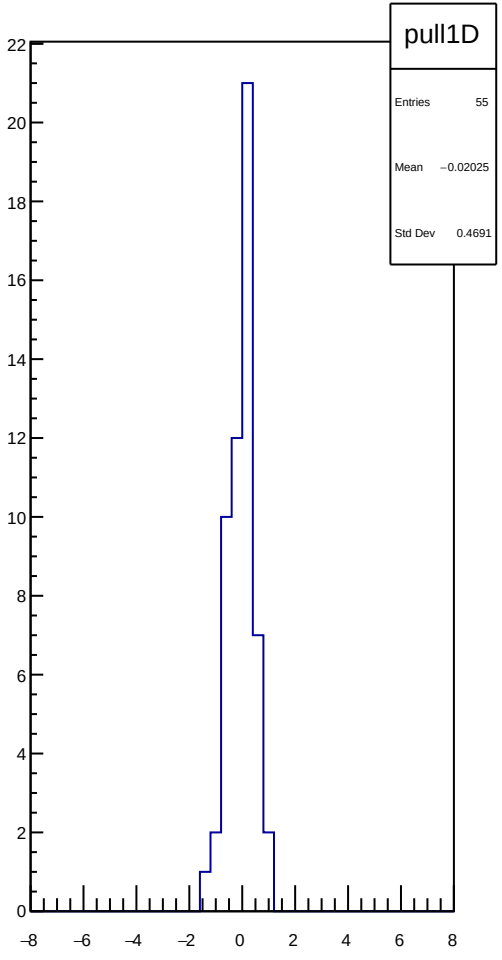

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 72.9 / 54
p0 276.6 ± 0.542
340
320
300
280
260
pull
Entries 55
Mean 200.4
Std Dev 177.9
pull1D
Entries 55
Mean 0.0278
Std Dev 1.151

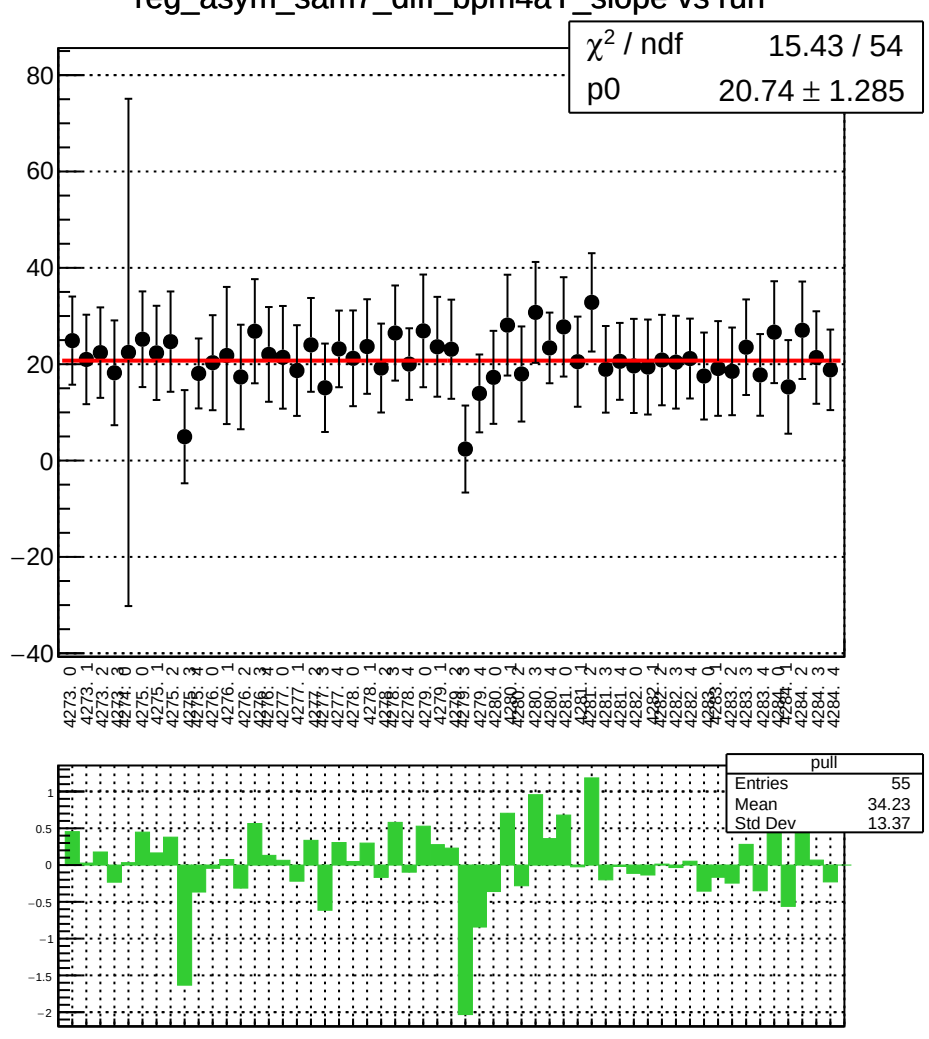

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 27.98 / 54
p0 112.2 ± 3.749
pull
Entries 55
Mean 1.846
Std Dev 44.65

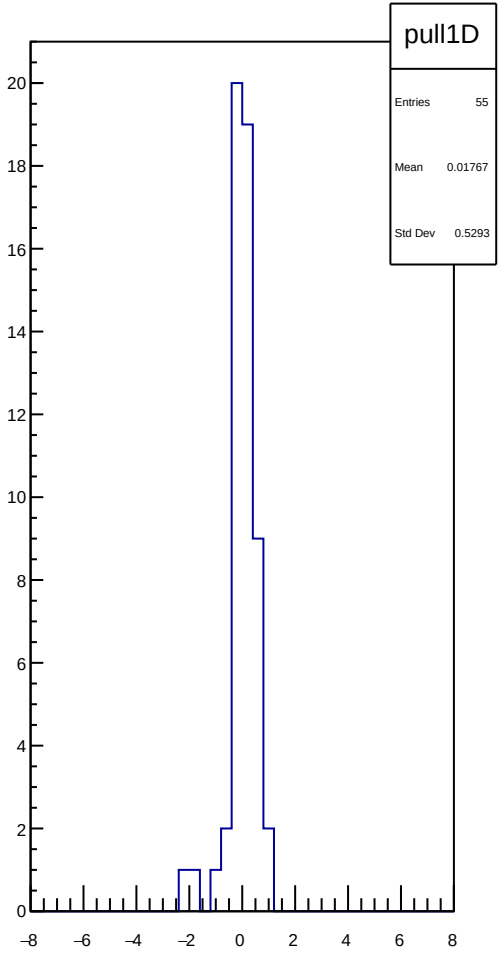

pull1D
Entries 55
Mean −0.01349
Std Dev 0.7131

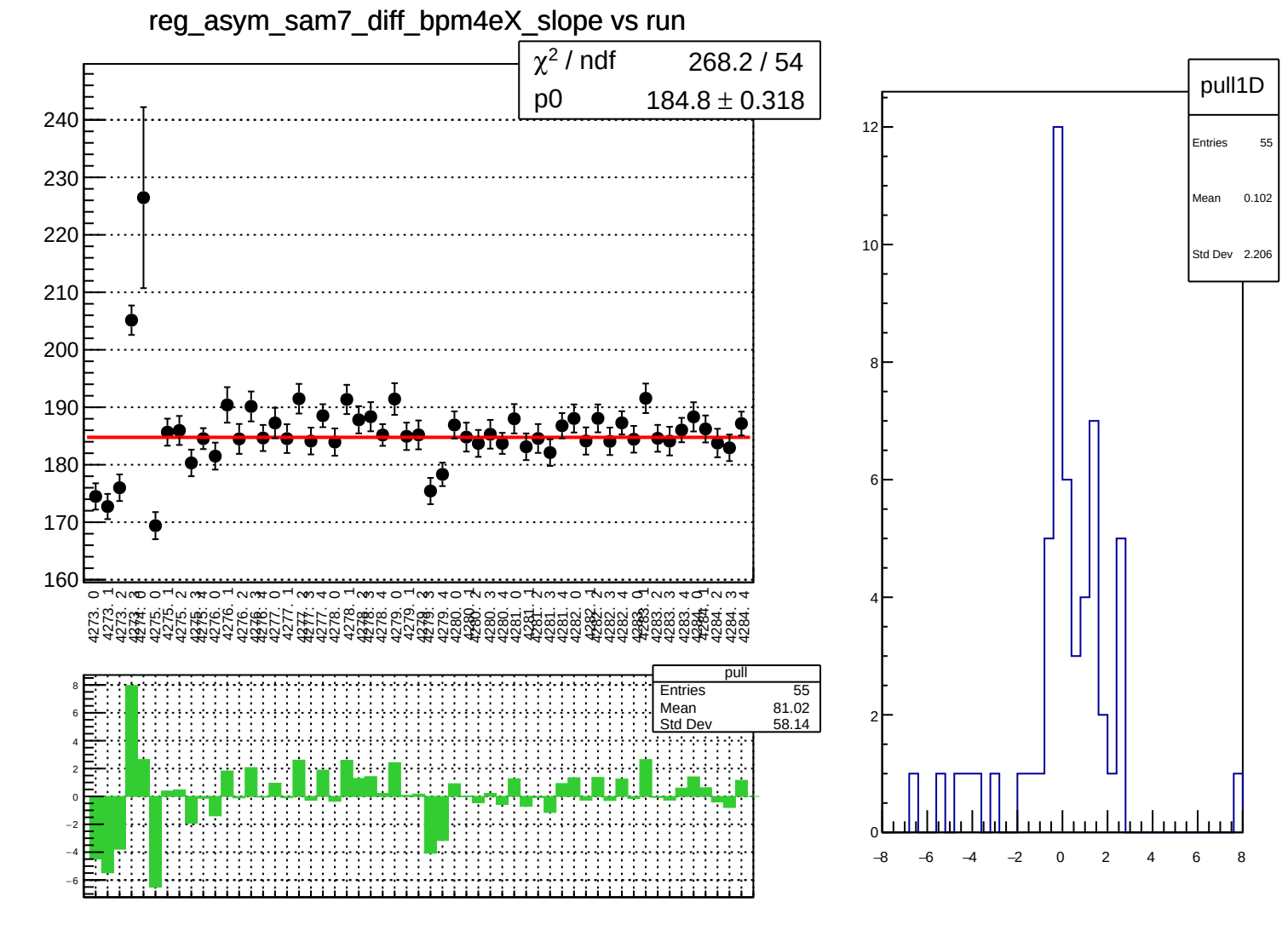

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 6.103 / 54
p0 −11.9 ± 0.6454
pull
Entries 55
Mean −171.8
Std Dev 199.7
pull1D
Entries 55
Mean −0.01462
Std Dev 0.3328

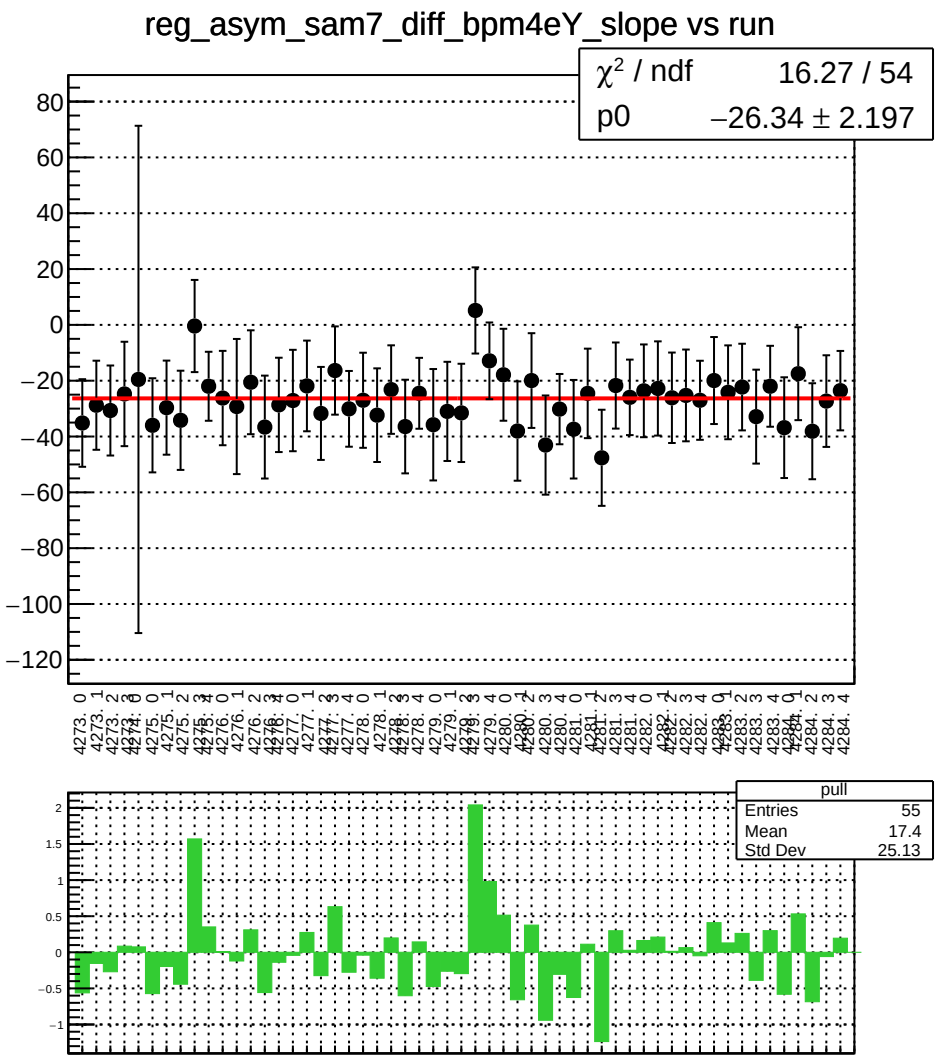

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 12.13 / 54
p0 −1.189 ± 1.837
pull
Entries 55
Mean −39.65
Std Dev 71.76

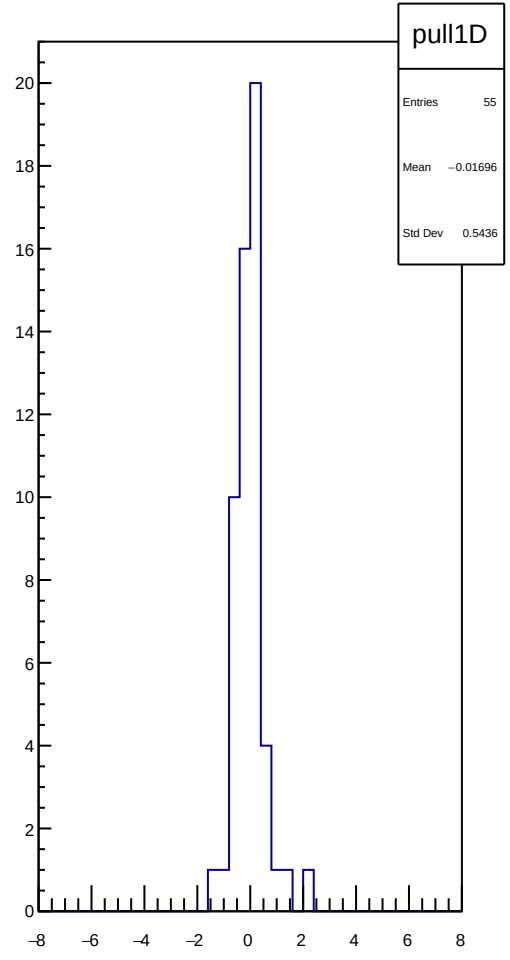

pull1D
Entries 55
Mean −0.02025
Std Dev 0.4691

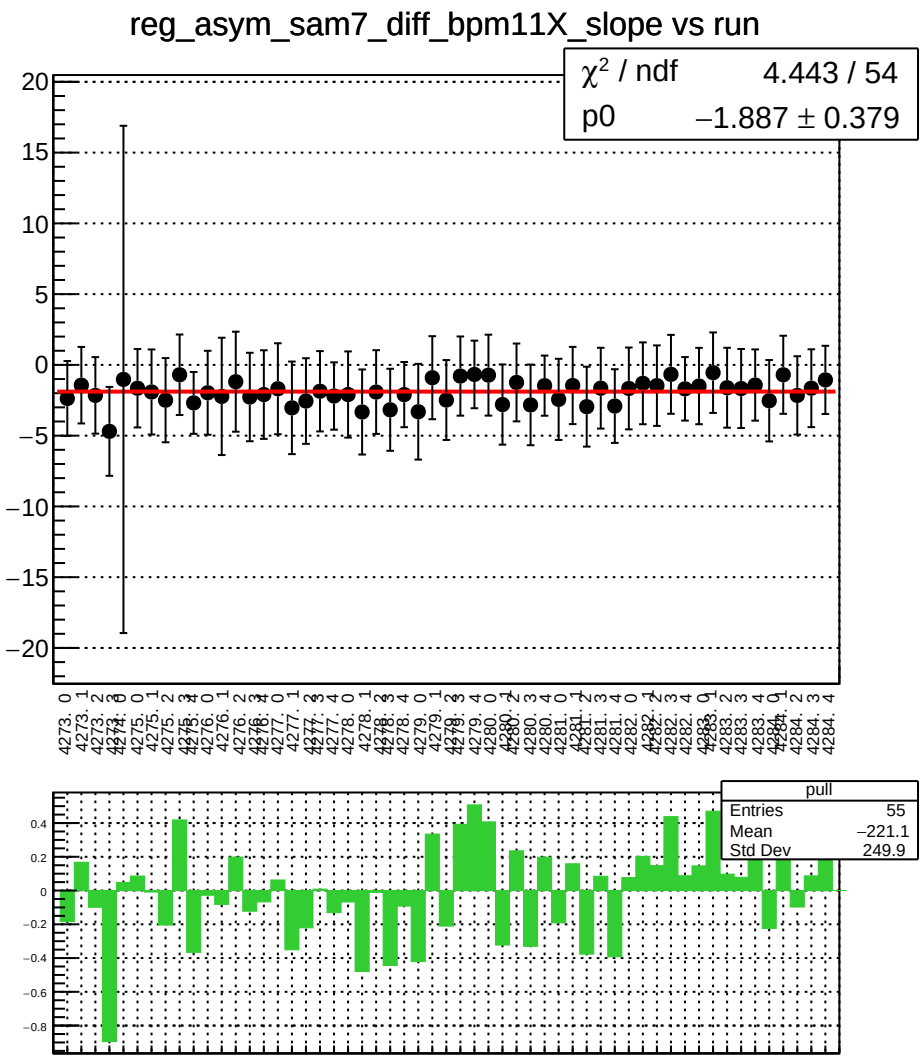

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 15.43 / 54
p0 20.74 ± 1.285
pull
Entries 55
Mean 34.23
Std Dev 13.37

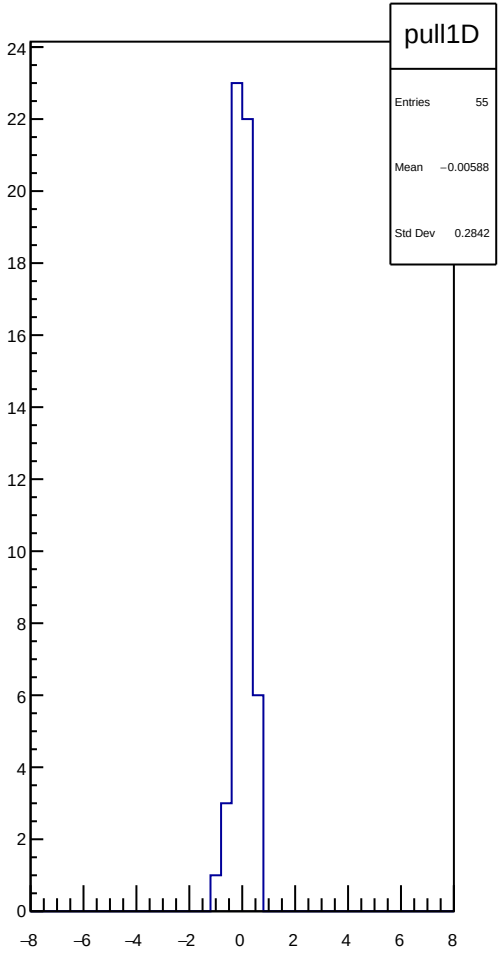

pull1D
Entries 55
Mean 0.01767
Std Dev 0.5293

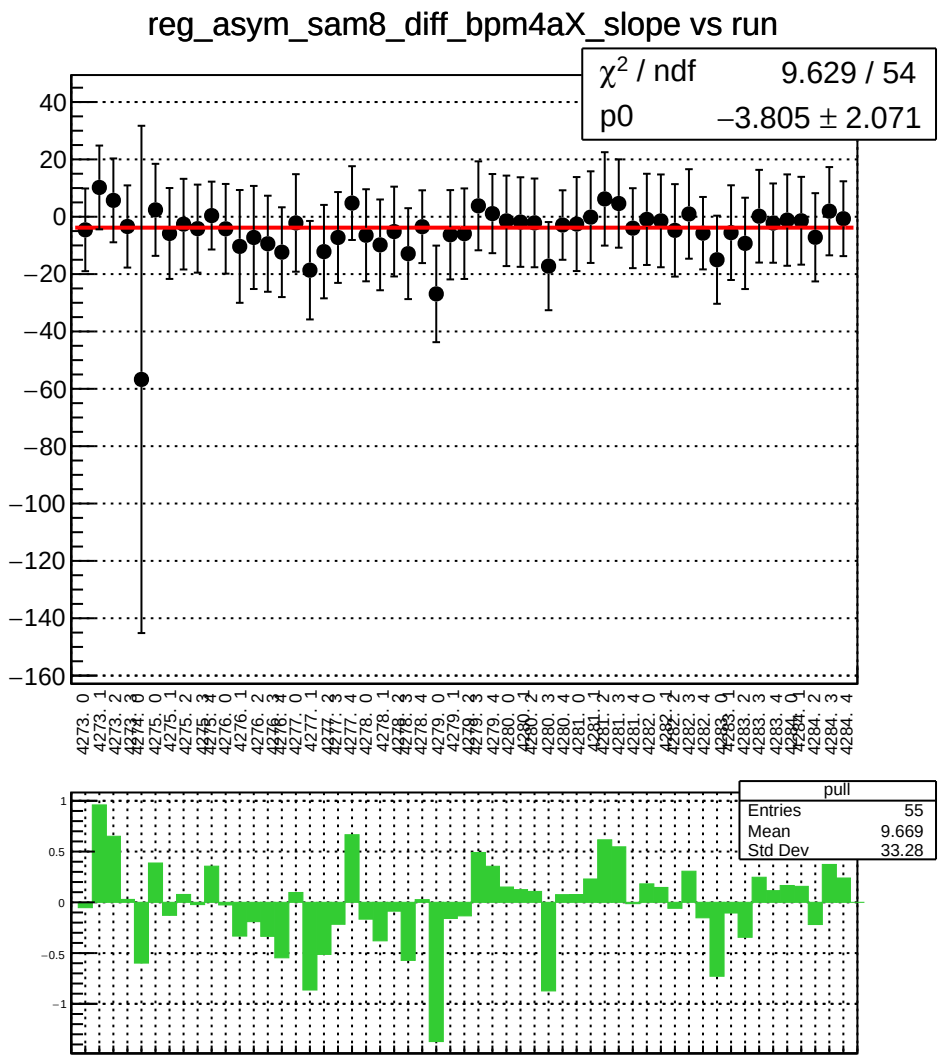

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 268.2 / 54
p0 184.8 ± 0.318
pull
Entries 55
Mean 81.02
Std Dev 58.14
pull1D
Entries 55
Mean 0.102
Std Dev 2.206

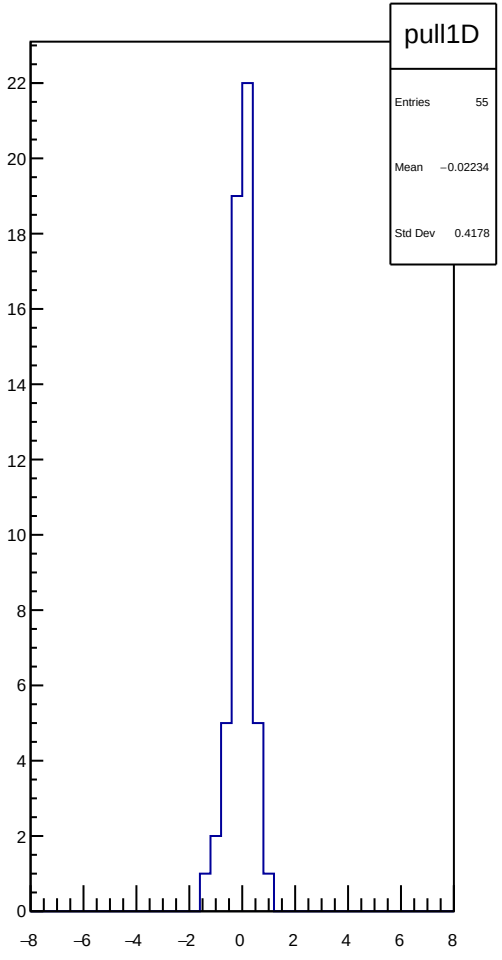

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 16.27 / 54
p0 −26.34 ± 2.197
pull
Entries 55
Mean 17.4
Std Dev 25.13

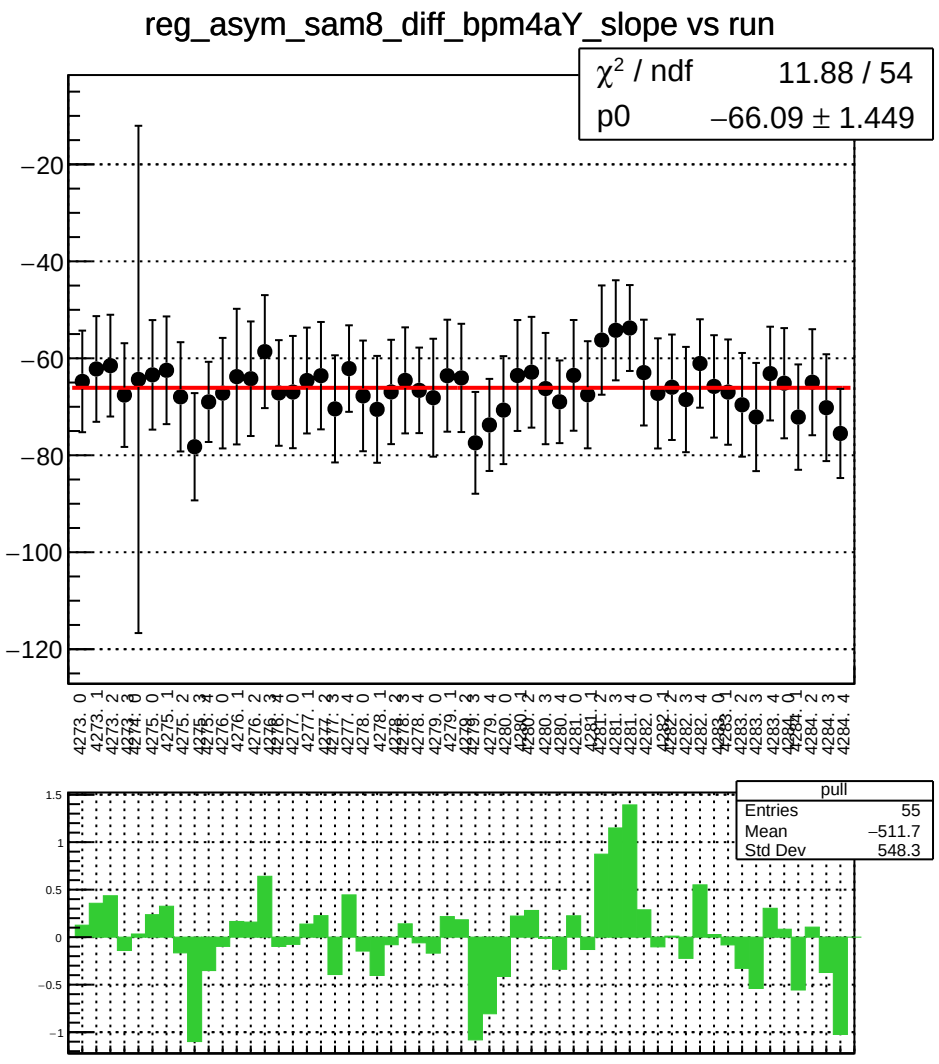

pull1D
Entries 55
Mean −0.01696
Std Dev 0.5436

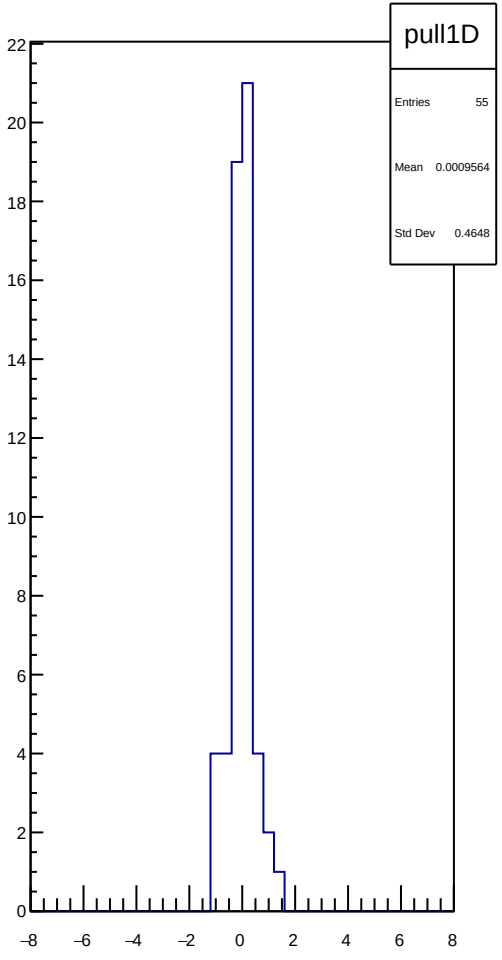

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 4.443 / 54
p0 −1.887 ± 0.379
pull
Entries 55
Mean −221.1
Std Dev 249.9

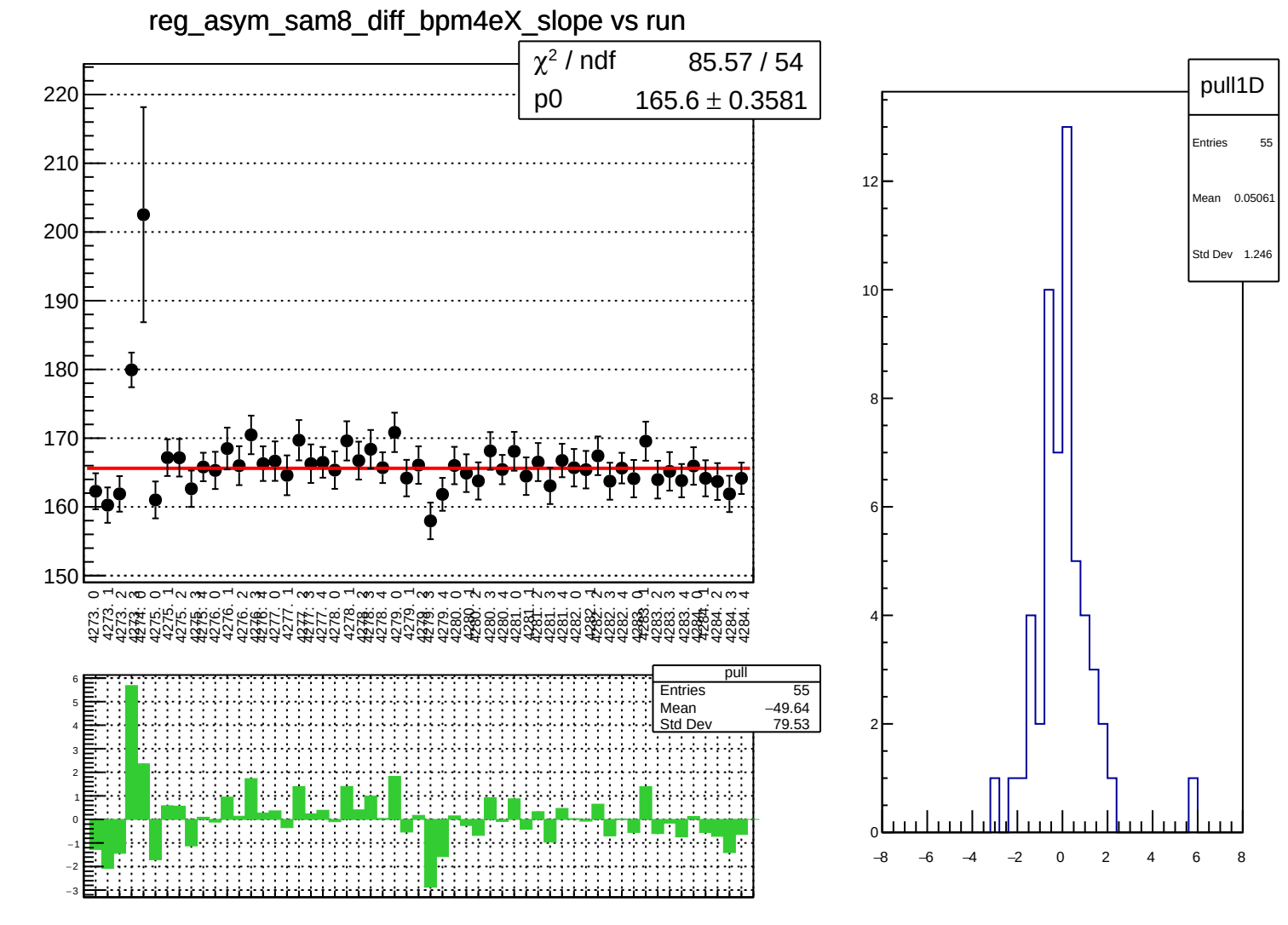

pull1D
Entries 55
Mean −0.00588
Std Dev 0.2842

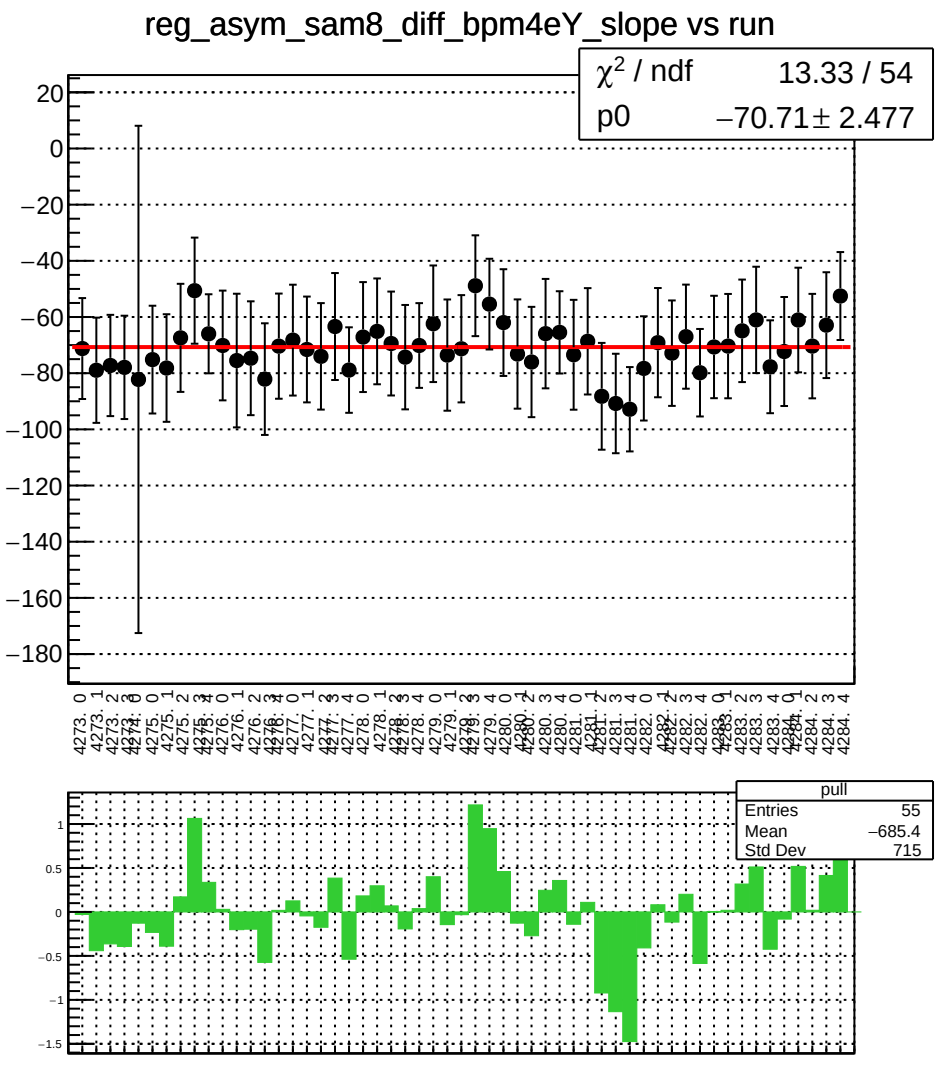

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 9.629 / 54
p0 −3.805 ± 2.071
pull
Entries 55
Mean 9.669
Std Dev 33.28

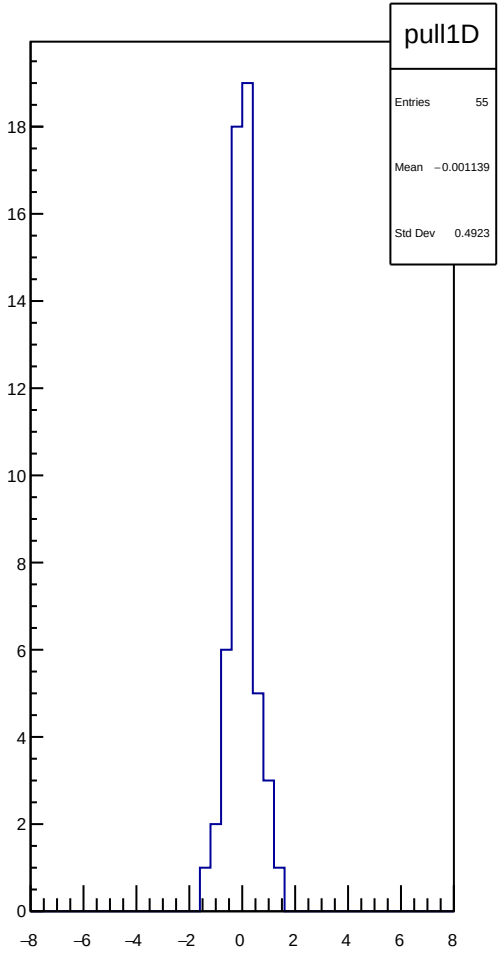

pull1D
Entries 55
Mean −0.02234
Std Dev 0.4178

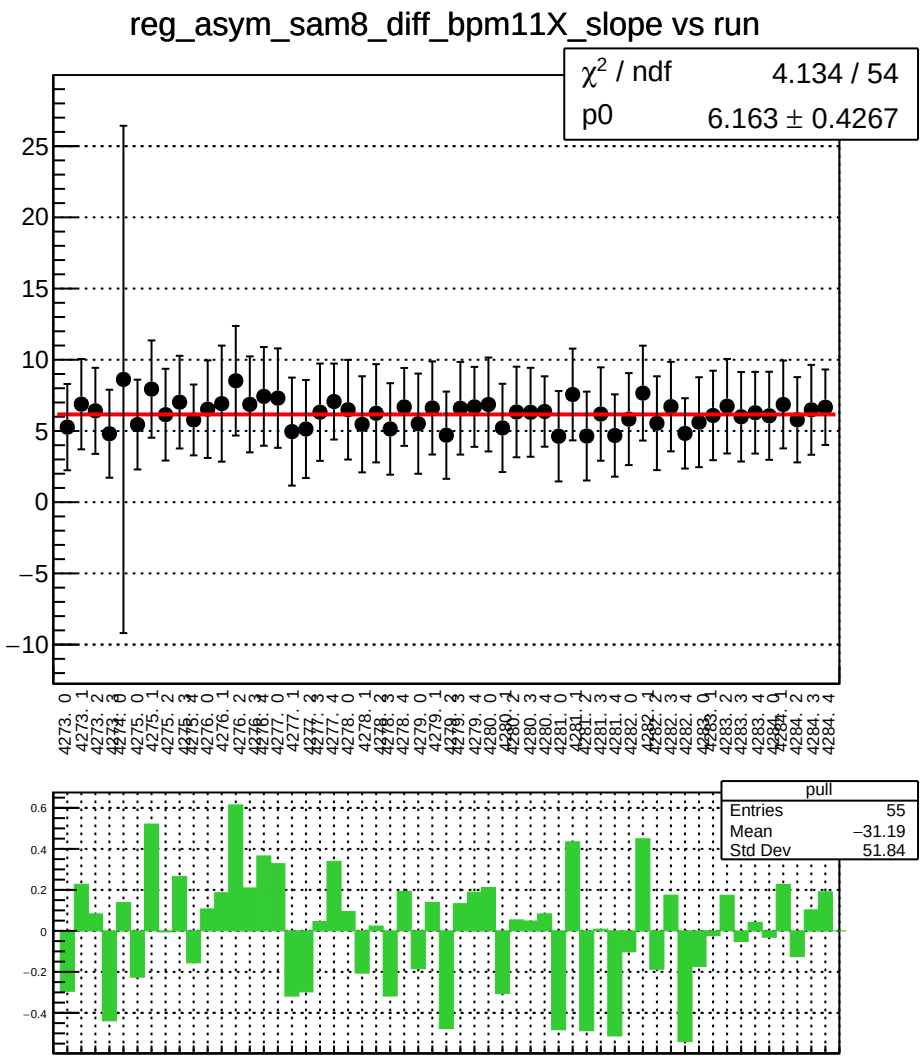

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 11.88 / 54
p0 −66.09 ± 1.449
pull
Entries 55
Mean −511.7
Std Dev 548.3

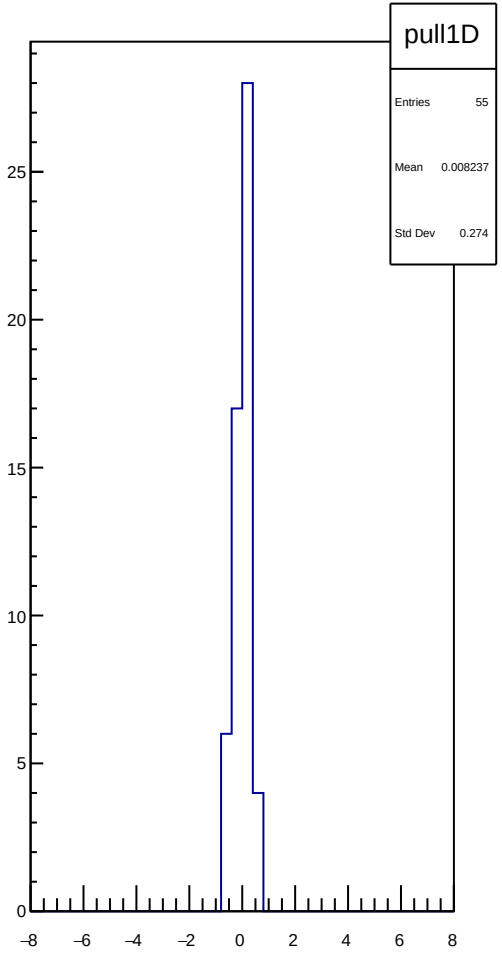

pull1D
Entries 55
Mean 0.0009564
Std Dev 0.4648

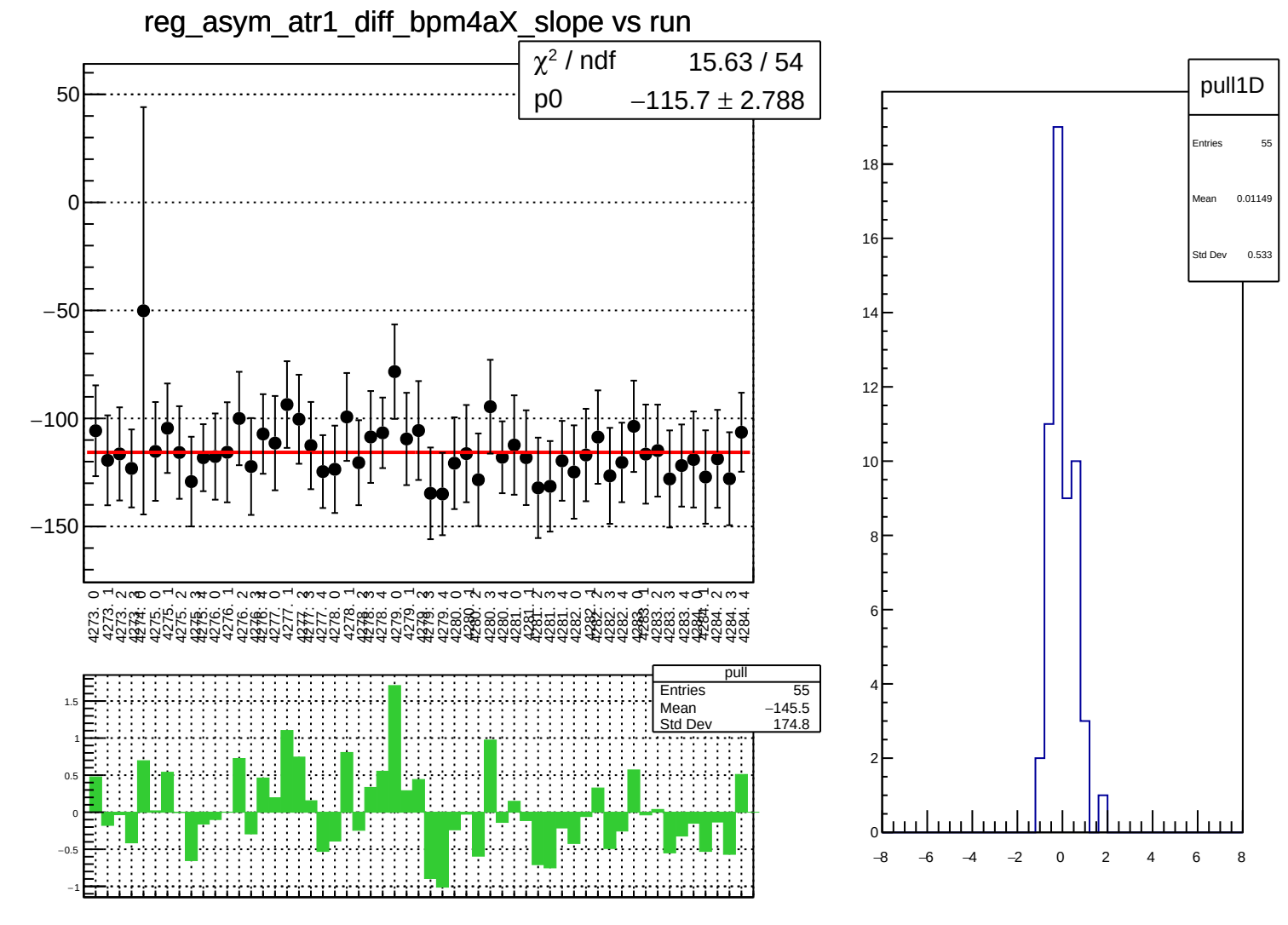

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 85.57 / 54
p0 165.6 ± 0.3581
pull
Entries 55
Mean −49.64
Std Dev 79.53
pull1D
Entries 55
Mean 0.05061
Std Dev 1.246

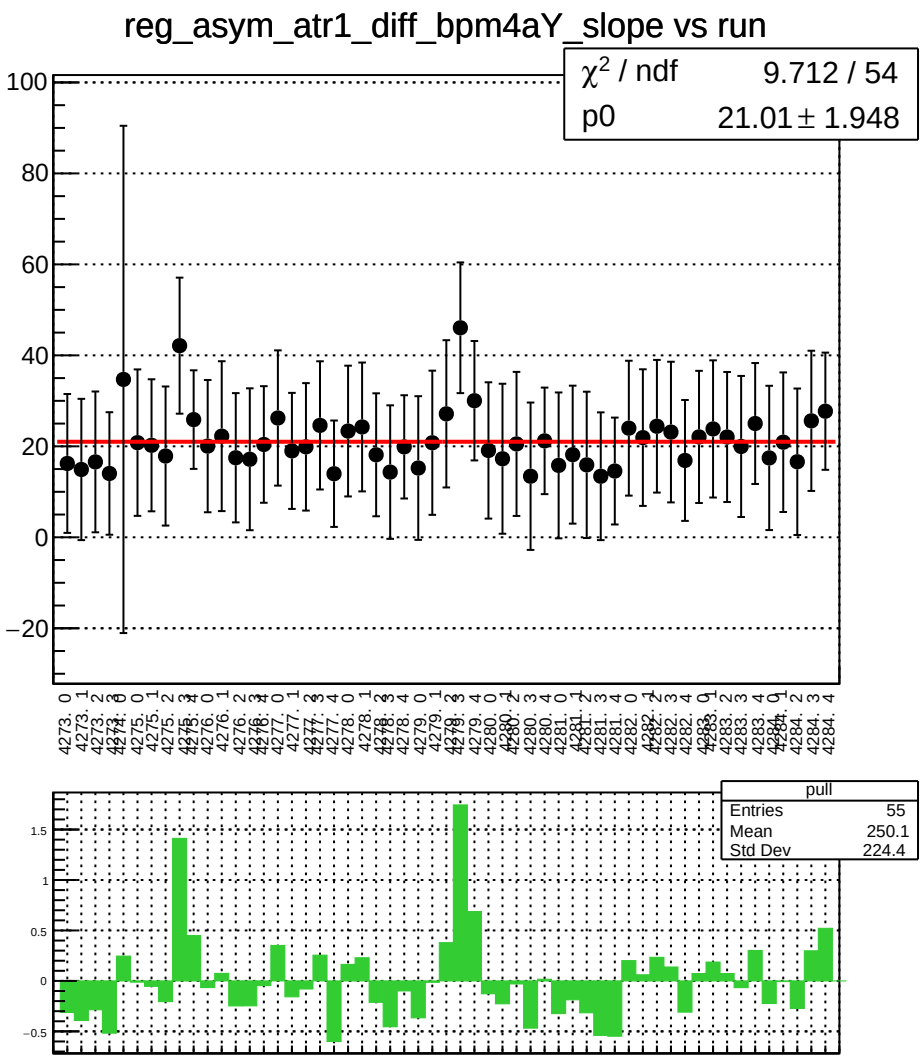

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 13.33 / 54
p0 −70.71 ± 2.477
pull
Entries 55
Mean −685.4
Std Dev 715

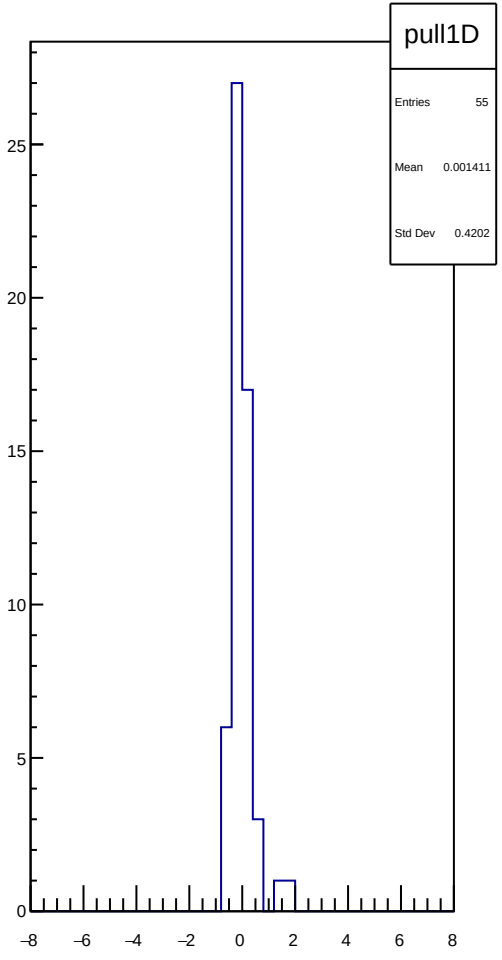

pull1D
Entries 55
Mean −0.001139
Std Dev 0.4923

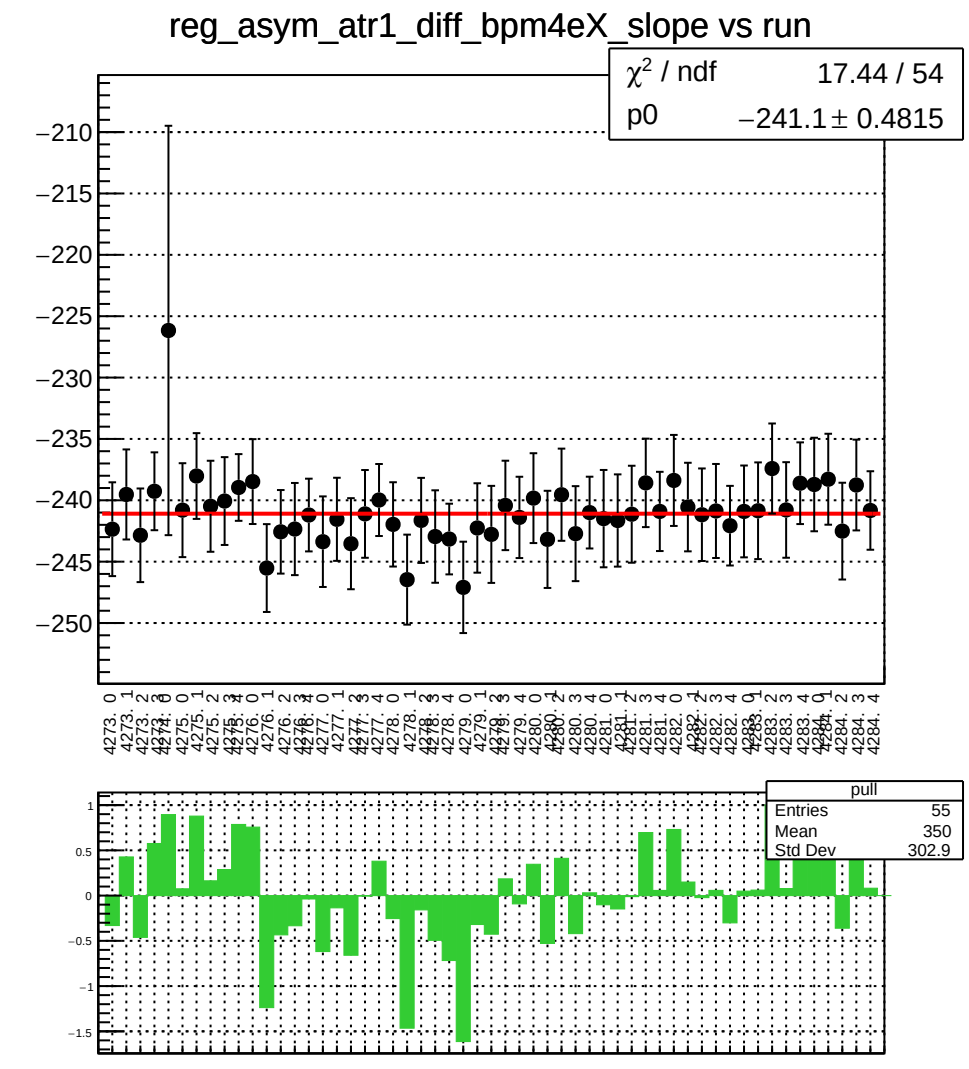

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 4.134 / 54
p0 6.163 ± 0.4267
pull
Entries 55
Mean −31.19
Std Dev 51.84

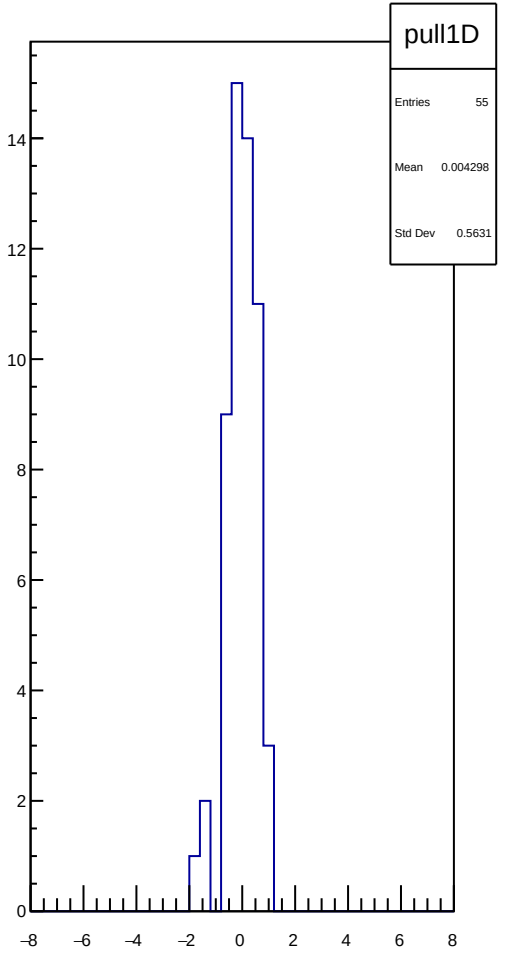

pull1D
Entries 55
Mean 0.008237
Std Dev 0.274

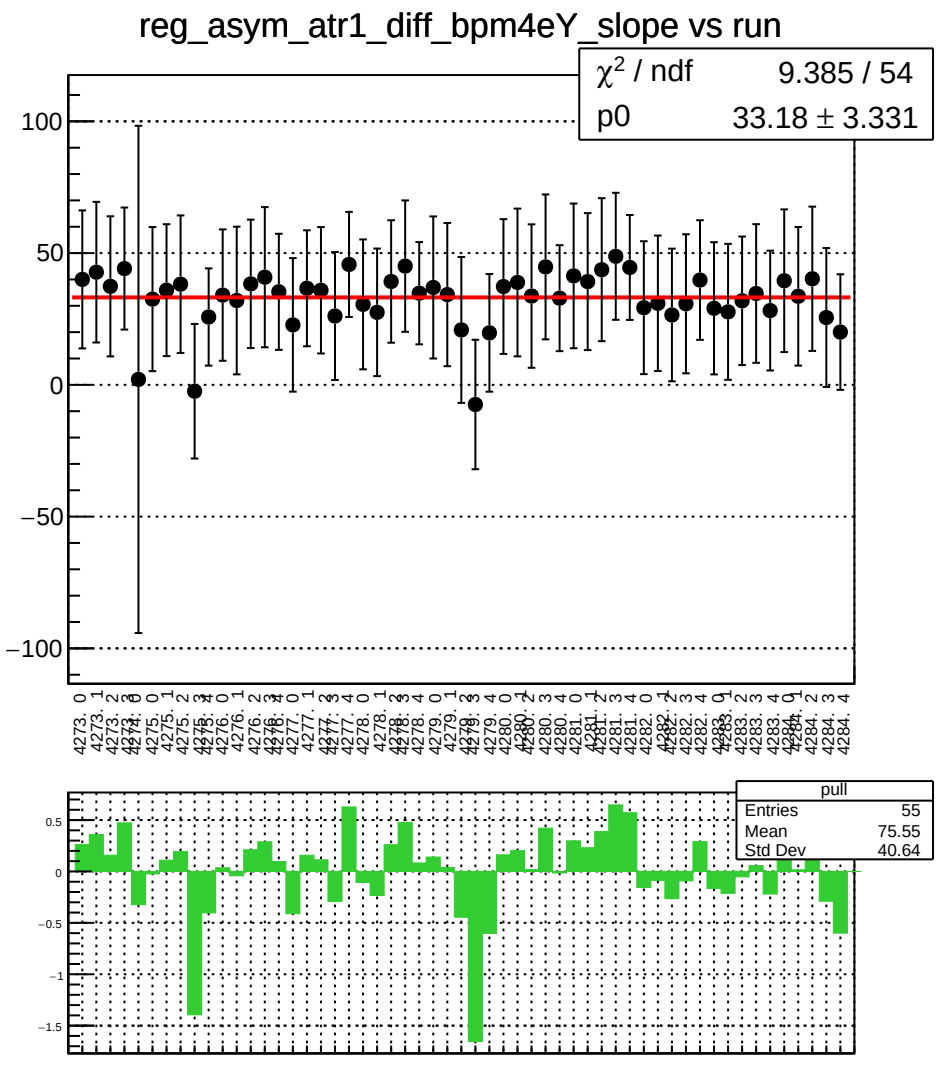

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 15.63 / 54
p0 −115.7 ± 2.788
pull
Entries 55
Mean −145.5
Std Dev 174.8
pull1D
Entries 55
Mean 0.01149
Std Dev 0.533

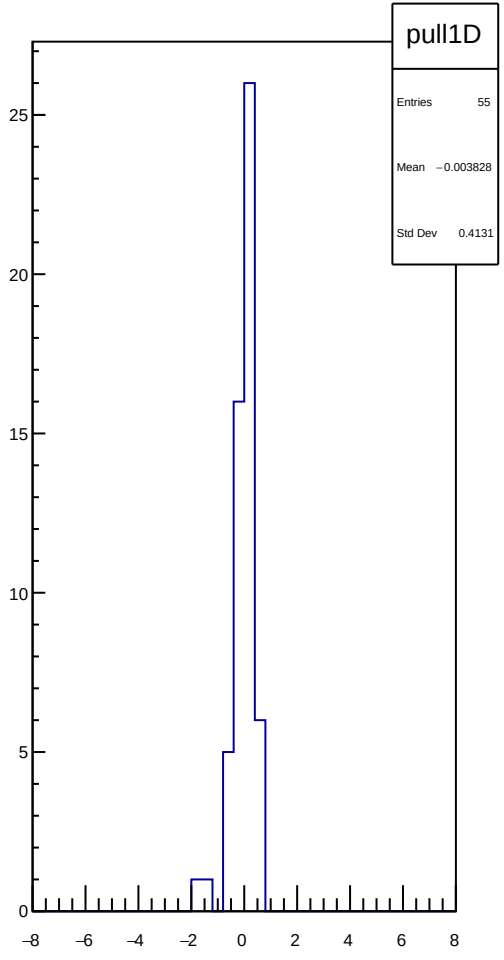

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 9.712 / 54
p0 21.01 ± 1.948
pull
Entries 55
Mean 250.1
Std Dev 224.4

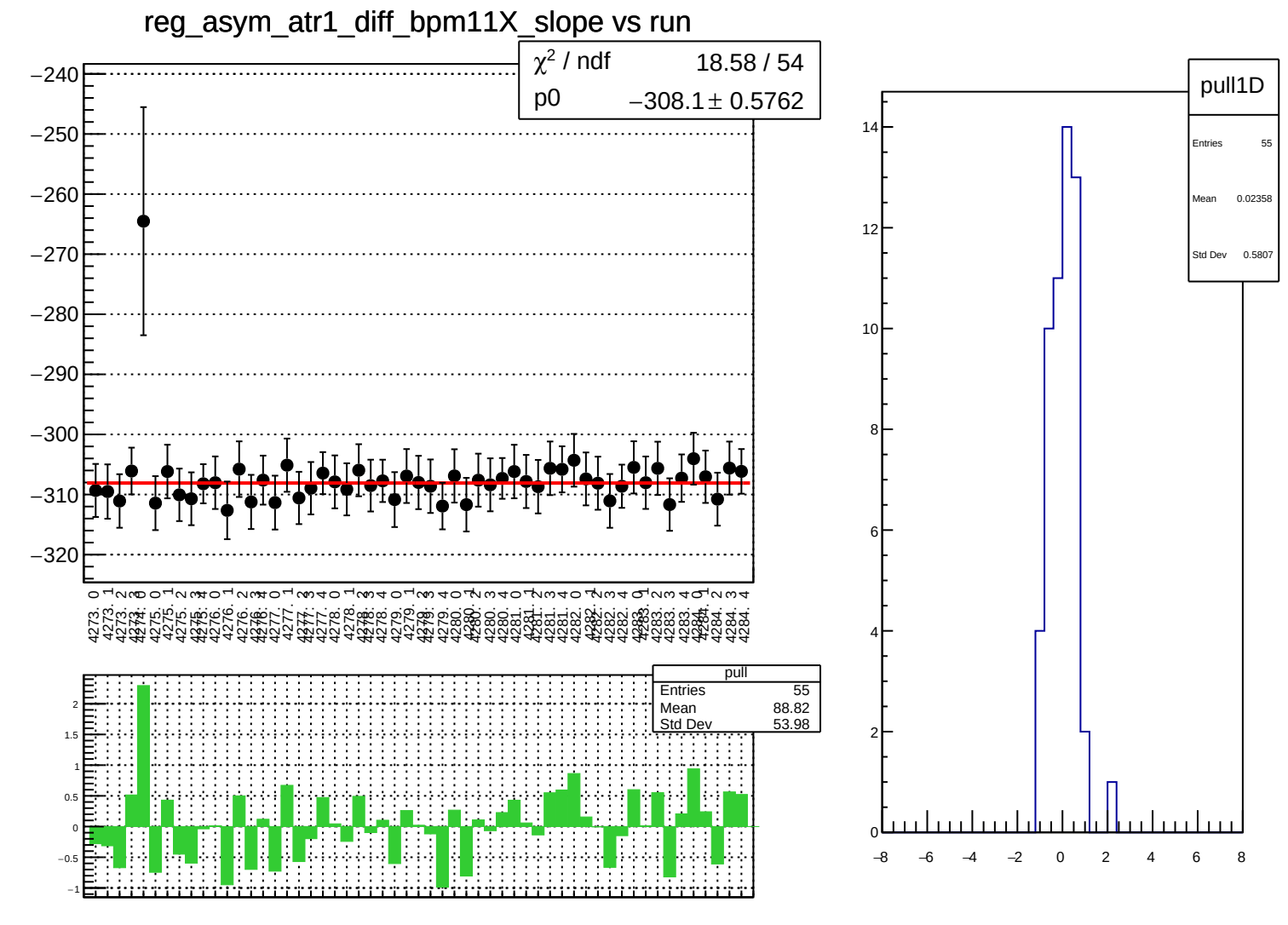

pull1D
Entries 55
Mean 0.001411
Std Dev 0.4202

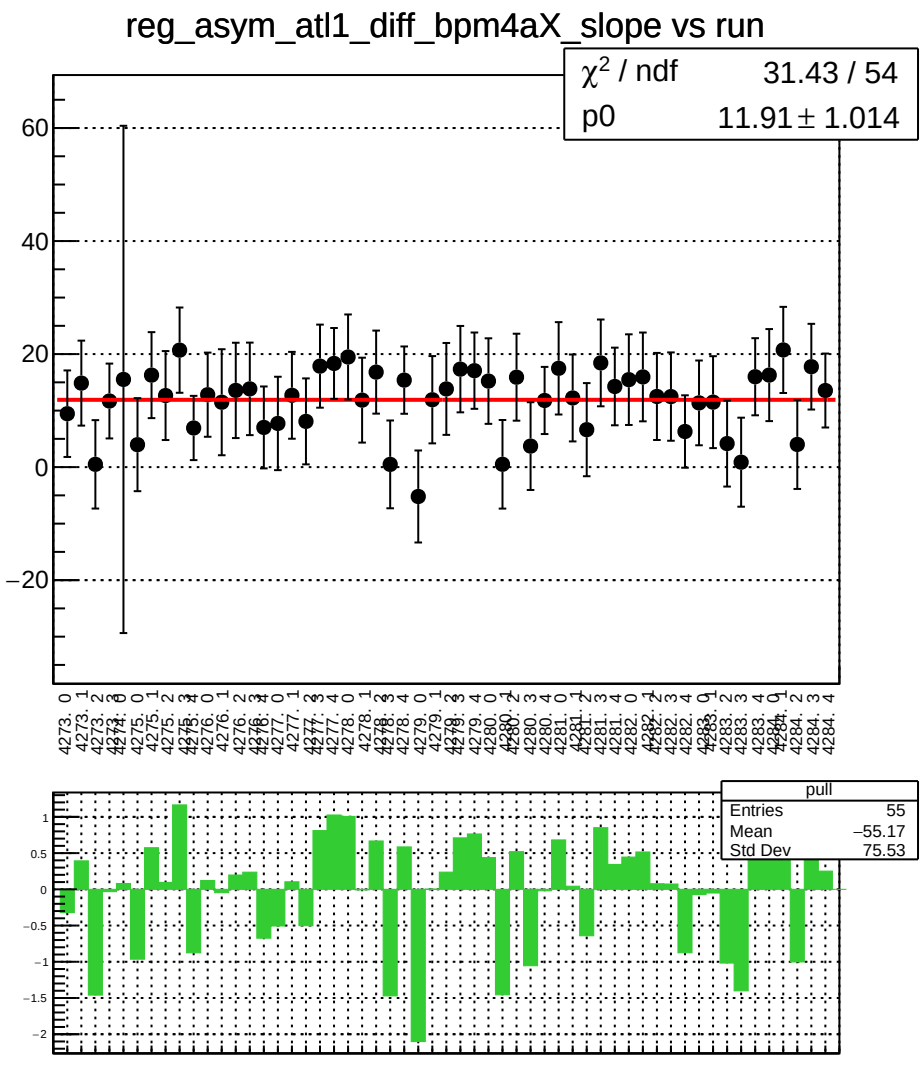

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 17.44 / 54
p0 −241.1 ± 0.4815
pull
Entries 55
Mean 350
Std Dev 302.9

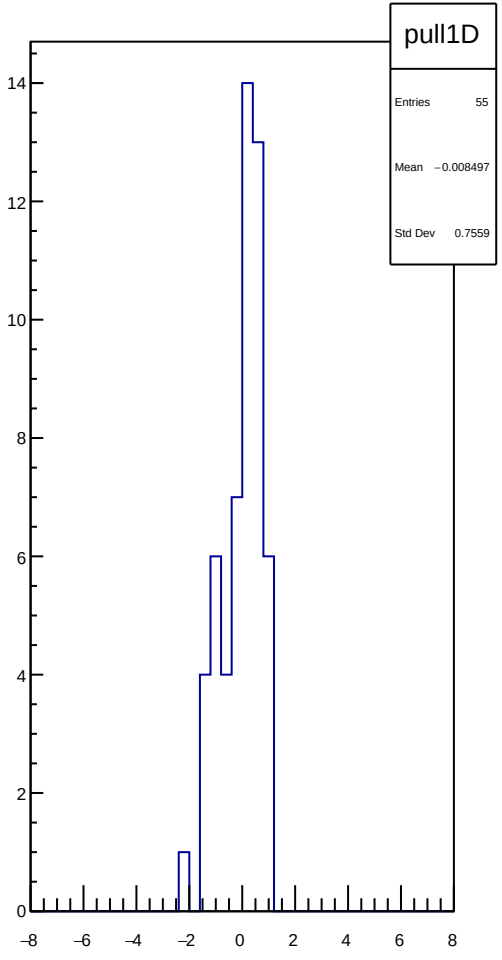

pull1D
Entries 55
Mean 0.004298
Std Dev 0.5631

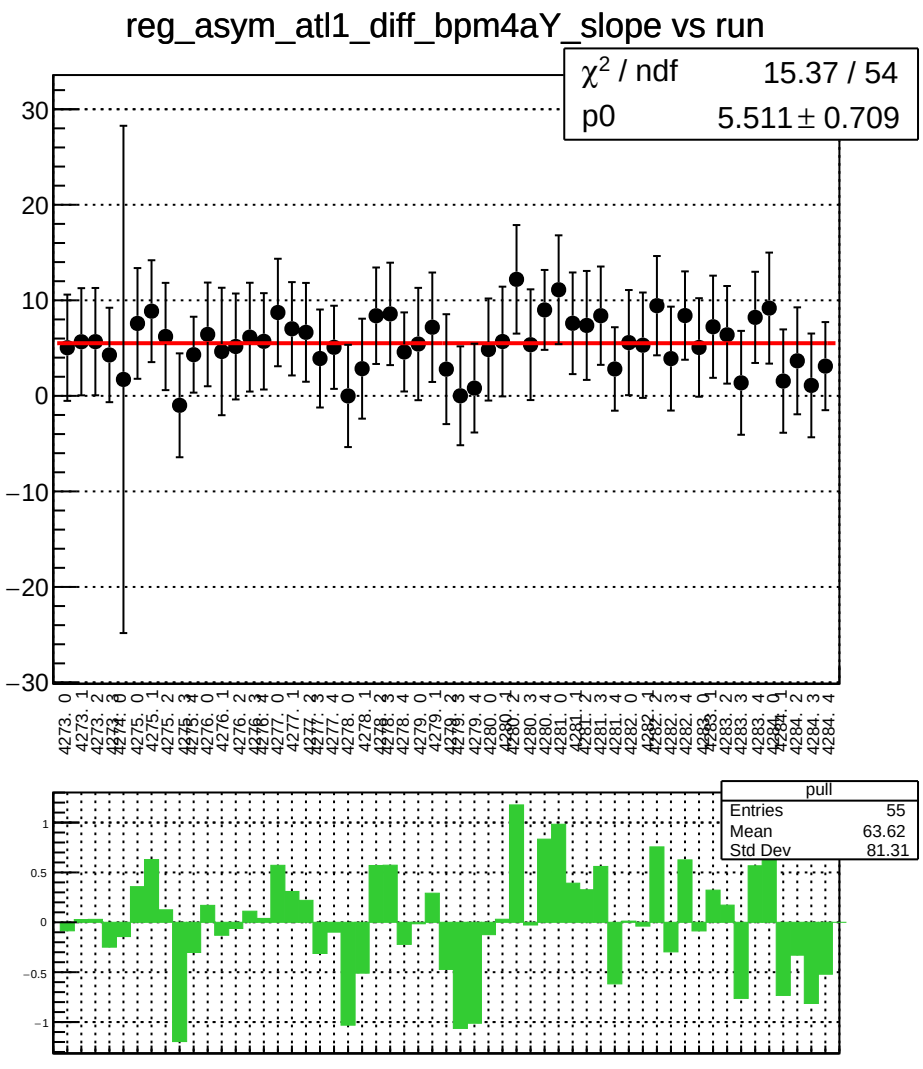

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 9.385 / 54
p0 33.18 ± 3.331
pull
Entries 55
Mean 75.55
Std Dev 40.64

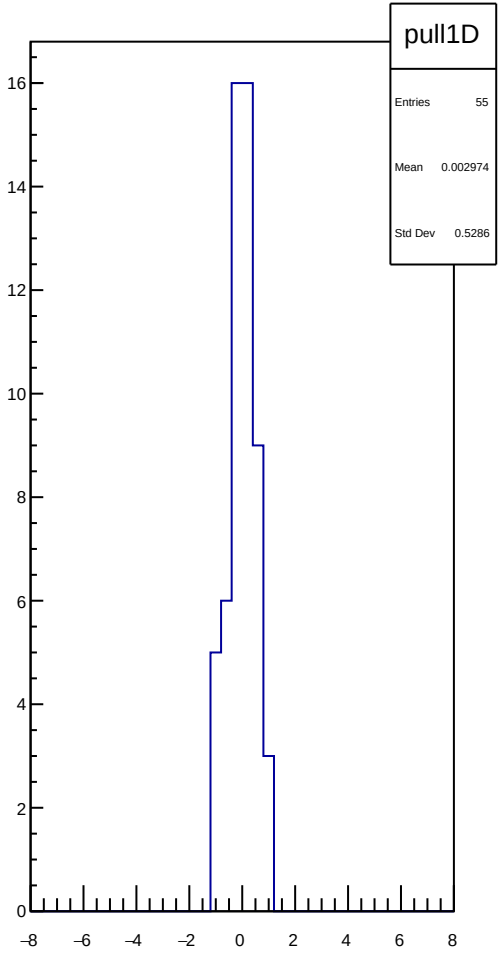

pull1D
Entries 55
Mean −0.003828
Std Dev 0.4131

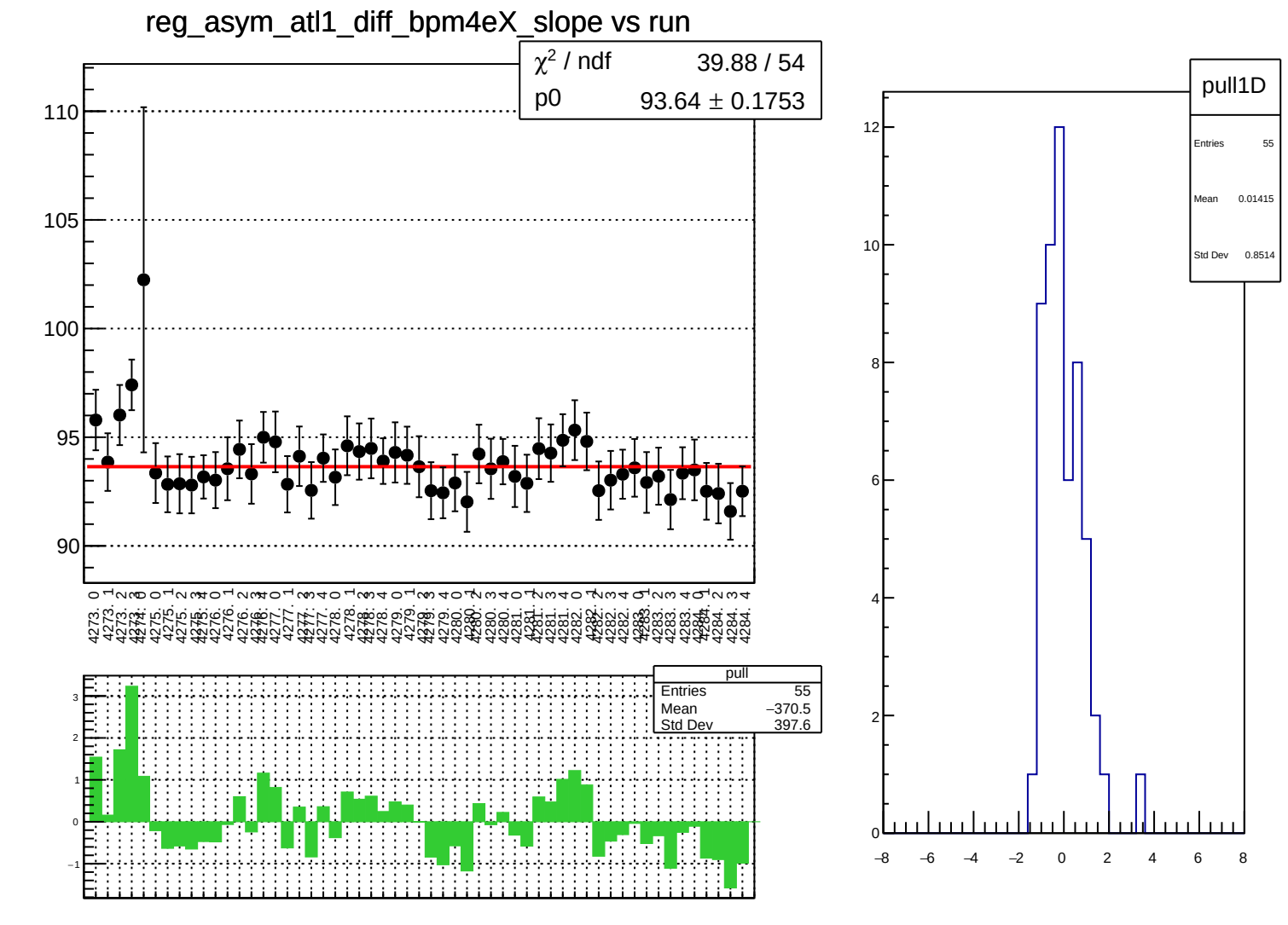

reg_asym_atr1_diff_bpm11X_slope vs run
χ² / ndf 18.58 / 54
p0 −308.1 ± 0.5762
pull
Entries 55
Mean 88.82
Std Dev 53.98
pull1D
Entries 55
Mean 0.02358
Std Dev 0.5807

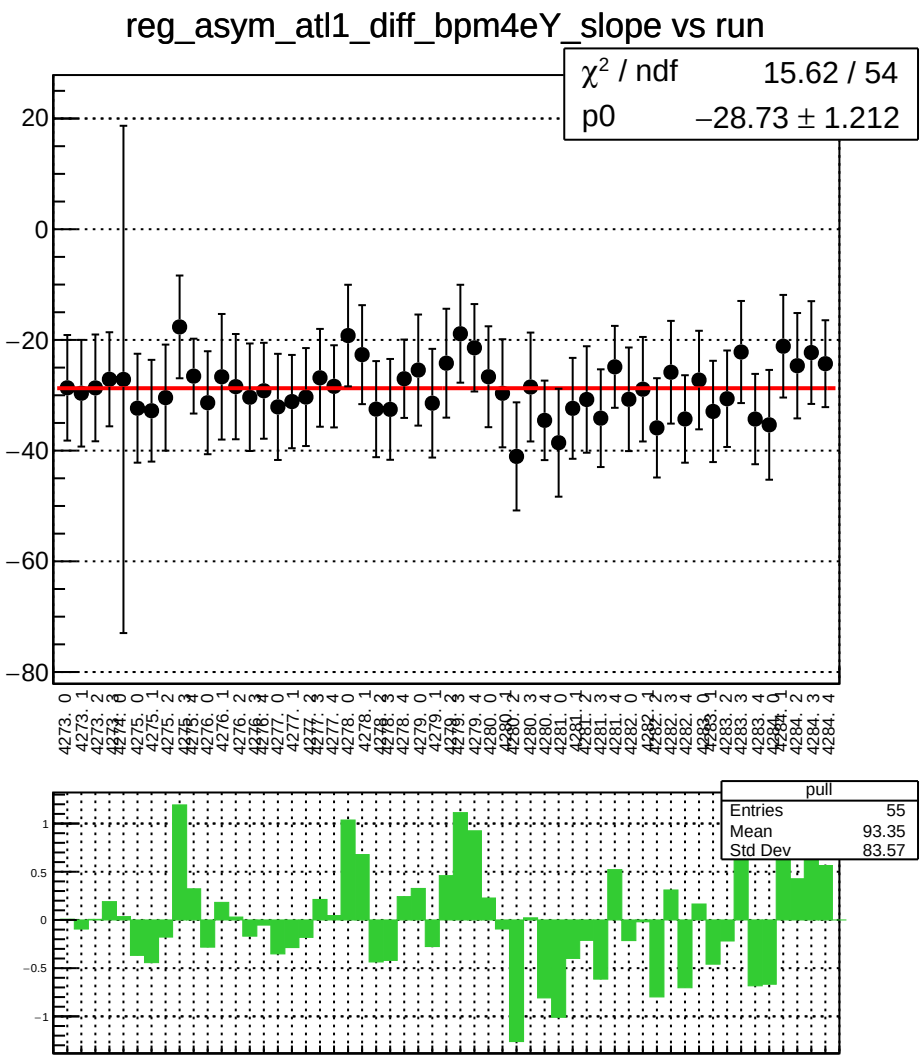

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 31.43 / 54
p0 11.91 ± 1.014
pull
Entries 55
Mean −55.17
Std Dev 75.53

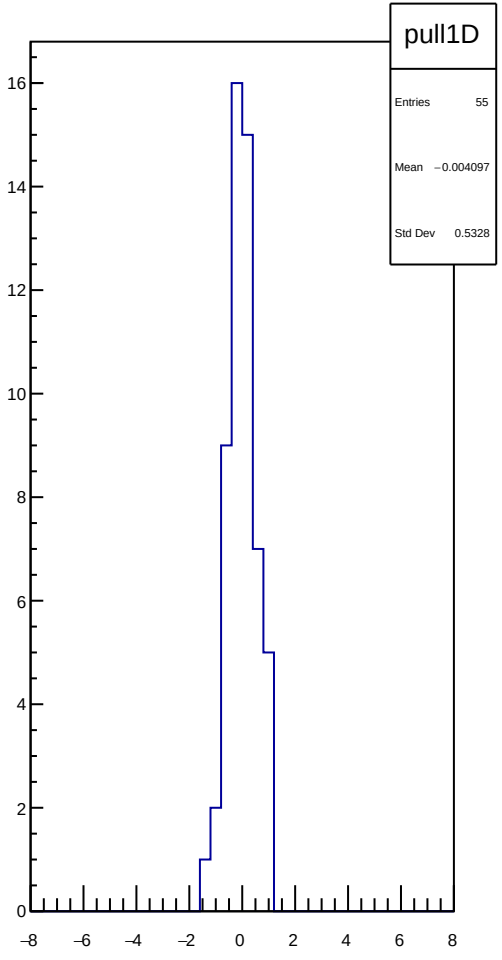

pull1D
Entries 55
Mean −0.008497
Std Dev 0.7559

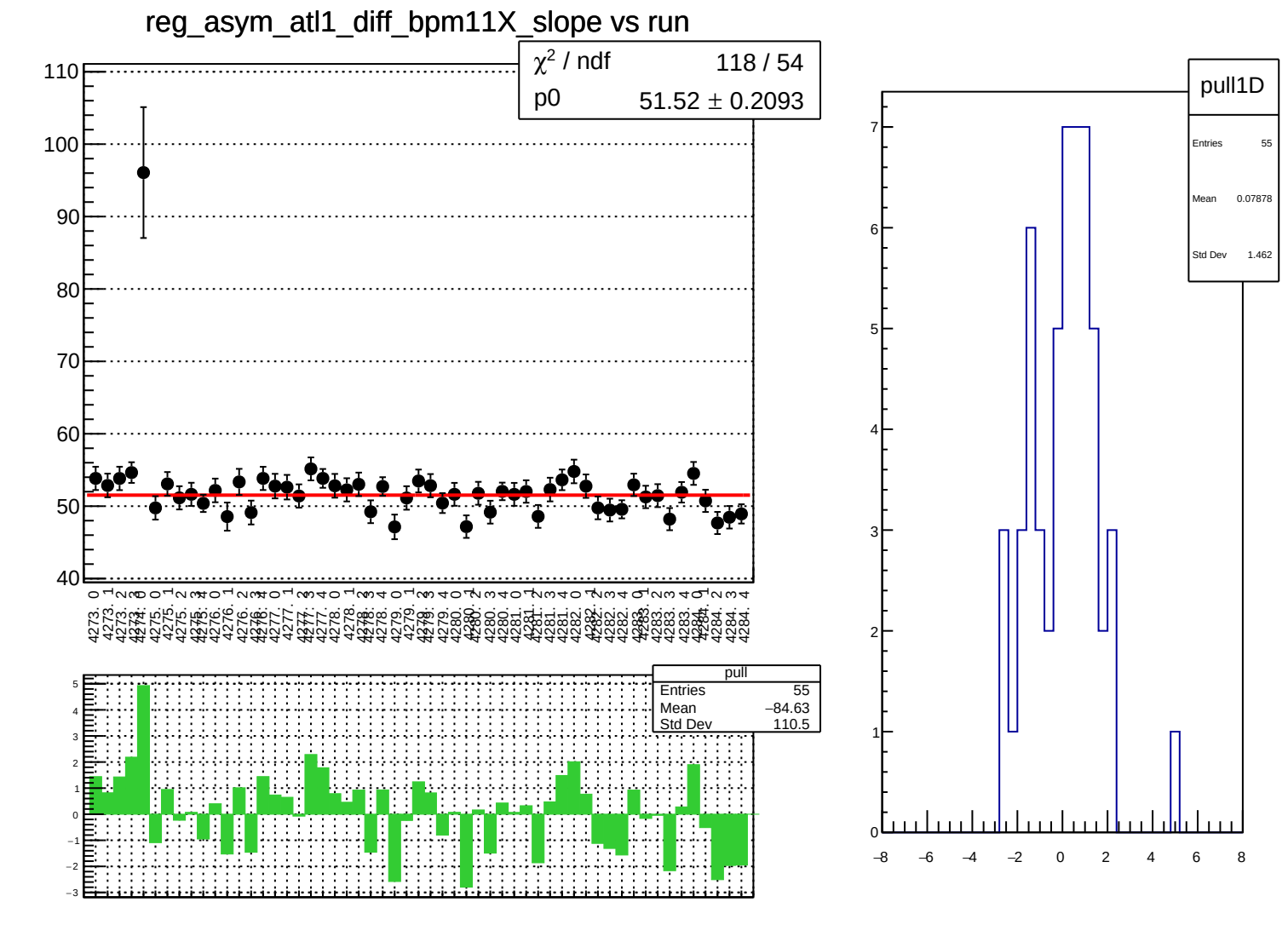

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 15.37 / 54
p0 5.511 ± 0.709
pull
Entries 55
Mean 63.62
Std Dev 81.31

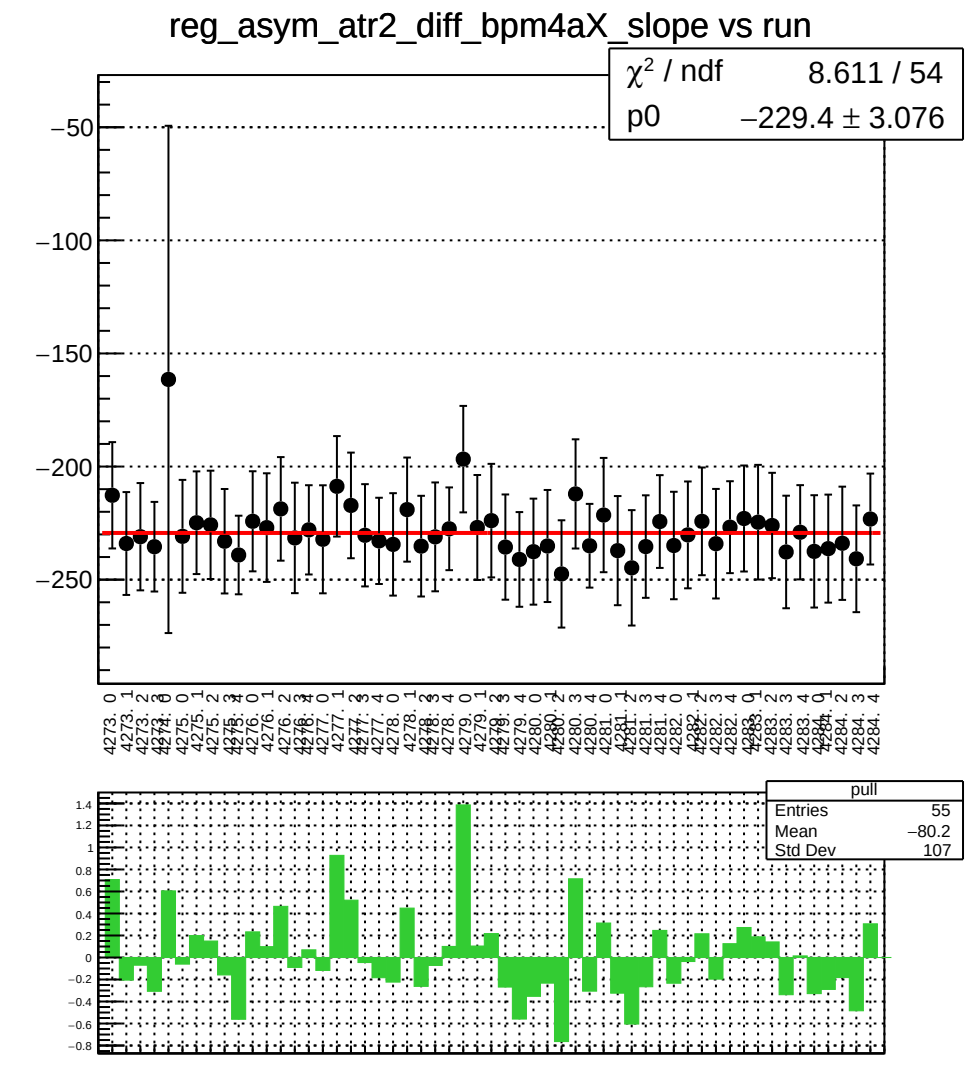

pull1D
Entries 55
Mean 0.002974
Std Dev 0.5286

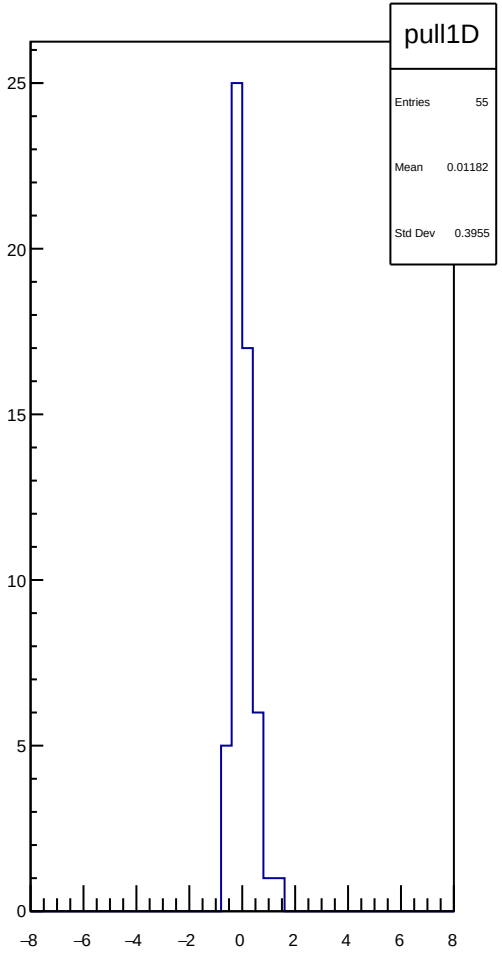

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 39.88 / 54
p0 93.64 ± 0.1753
110
105
100
95
90
pull
Entries 55
Mean −370.5
Std Dev 397.6
3
2
1
0
−1
pull1D
Entries 55
Mean 0.01415
Std Dev 0.8514
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

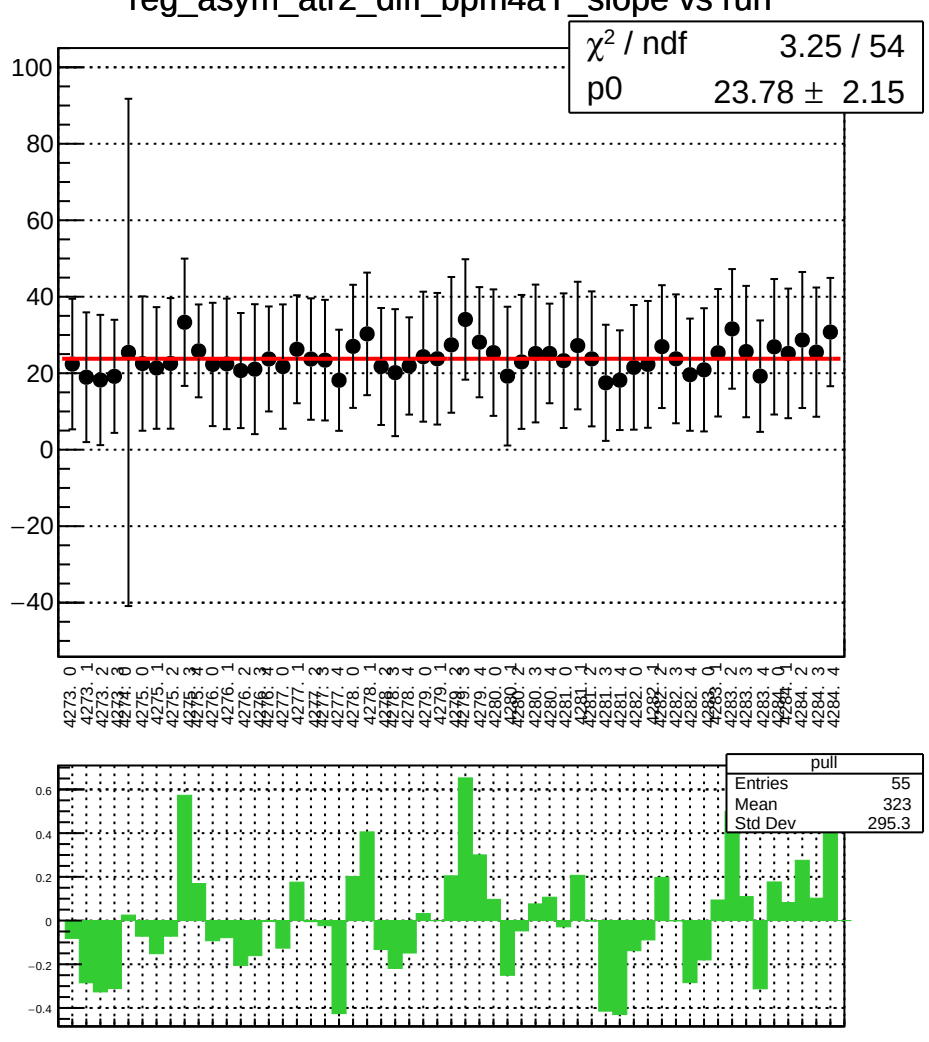

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 15.62 / 54
p0 −28.73 ± 1.212
pull
Entries 55
Mean 93.35
Std Dev 83.57

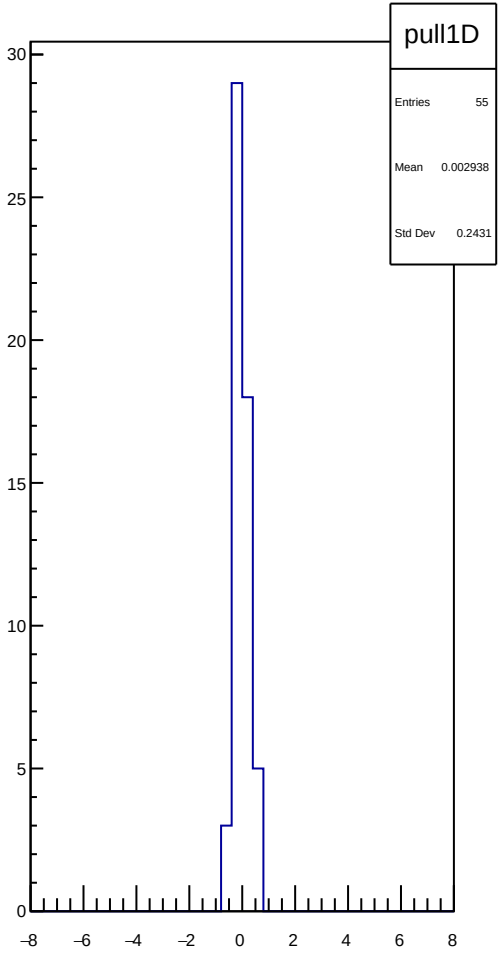

pull1D
Entries 55
Mean −0.004097
Std Dev 0.5328

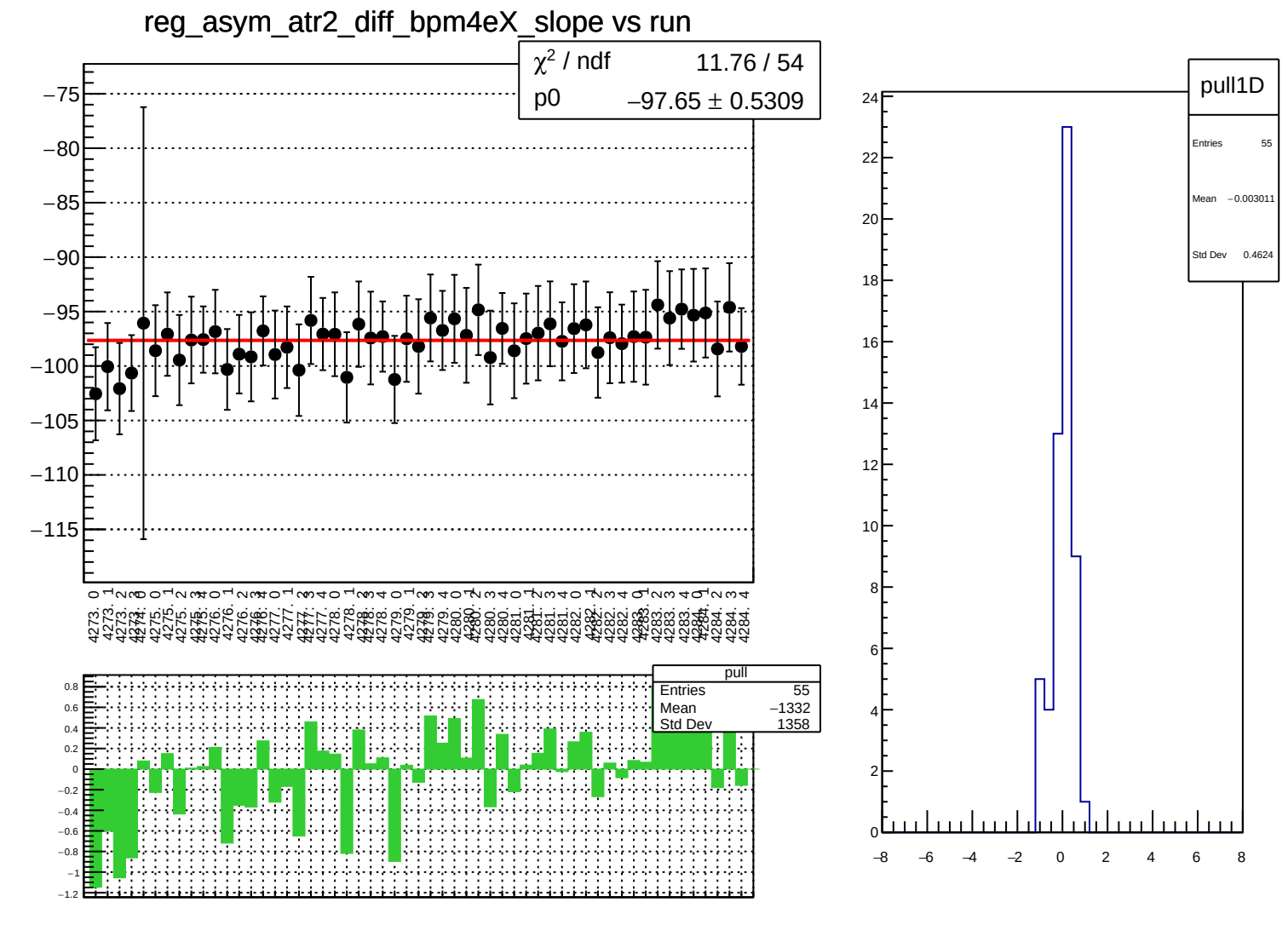

reg_asym_atl1_diff_bpm11X_slope vs run
χ² / ndf 118 / 54
p0 51.52 ± 0.2093
pull
Entries 55
Mean −84.63
Std Dev 110.5
pull1D
Entries 55
Mean 0.07878
Std Dev 1.462

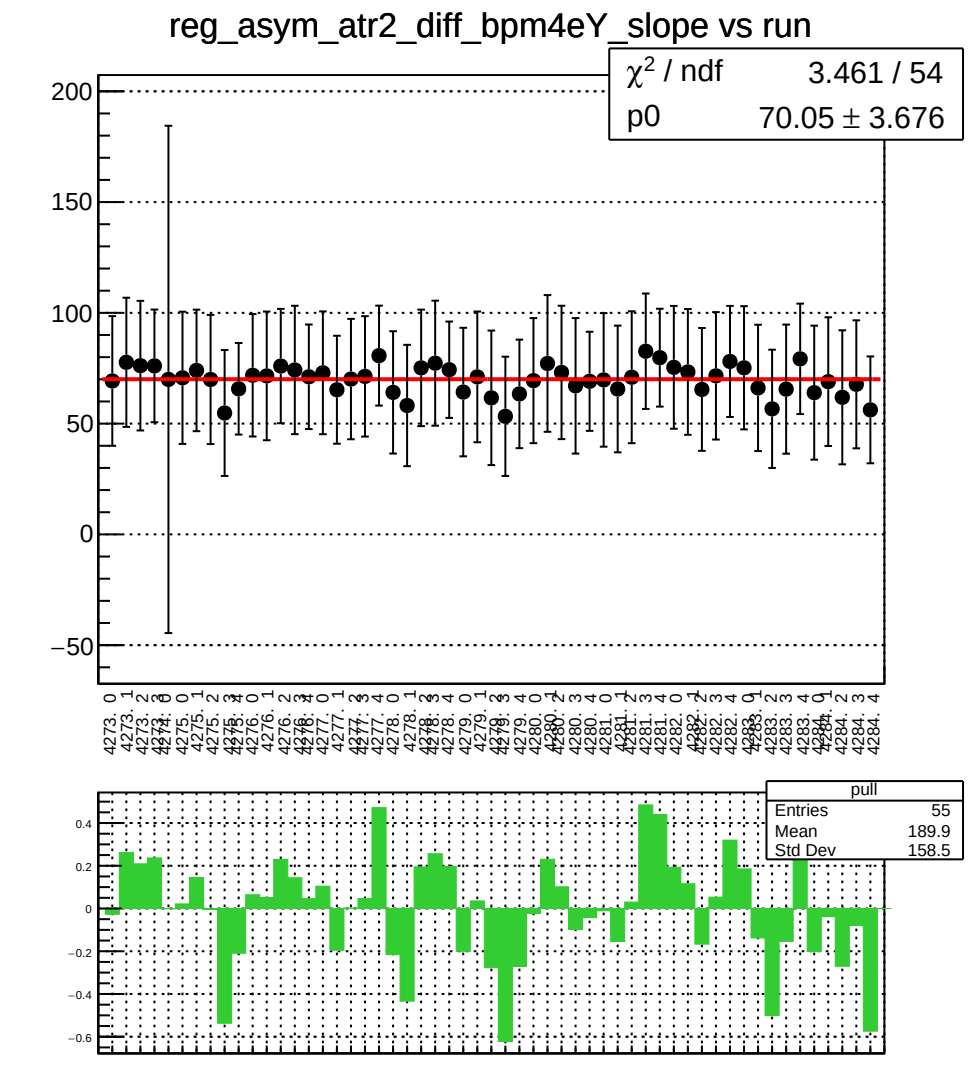

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 8.611 / 54
p0 −229.4 ± 3.076
pull
Entries 55
Mean −80.2
Std Dev 107

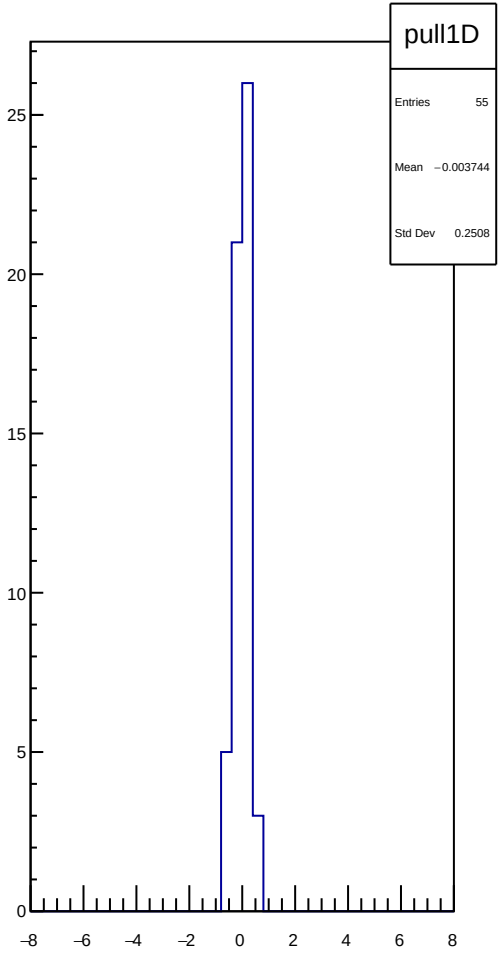

pull1D
Entries 55
Mean 0.01182
Std Dev 0.3955

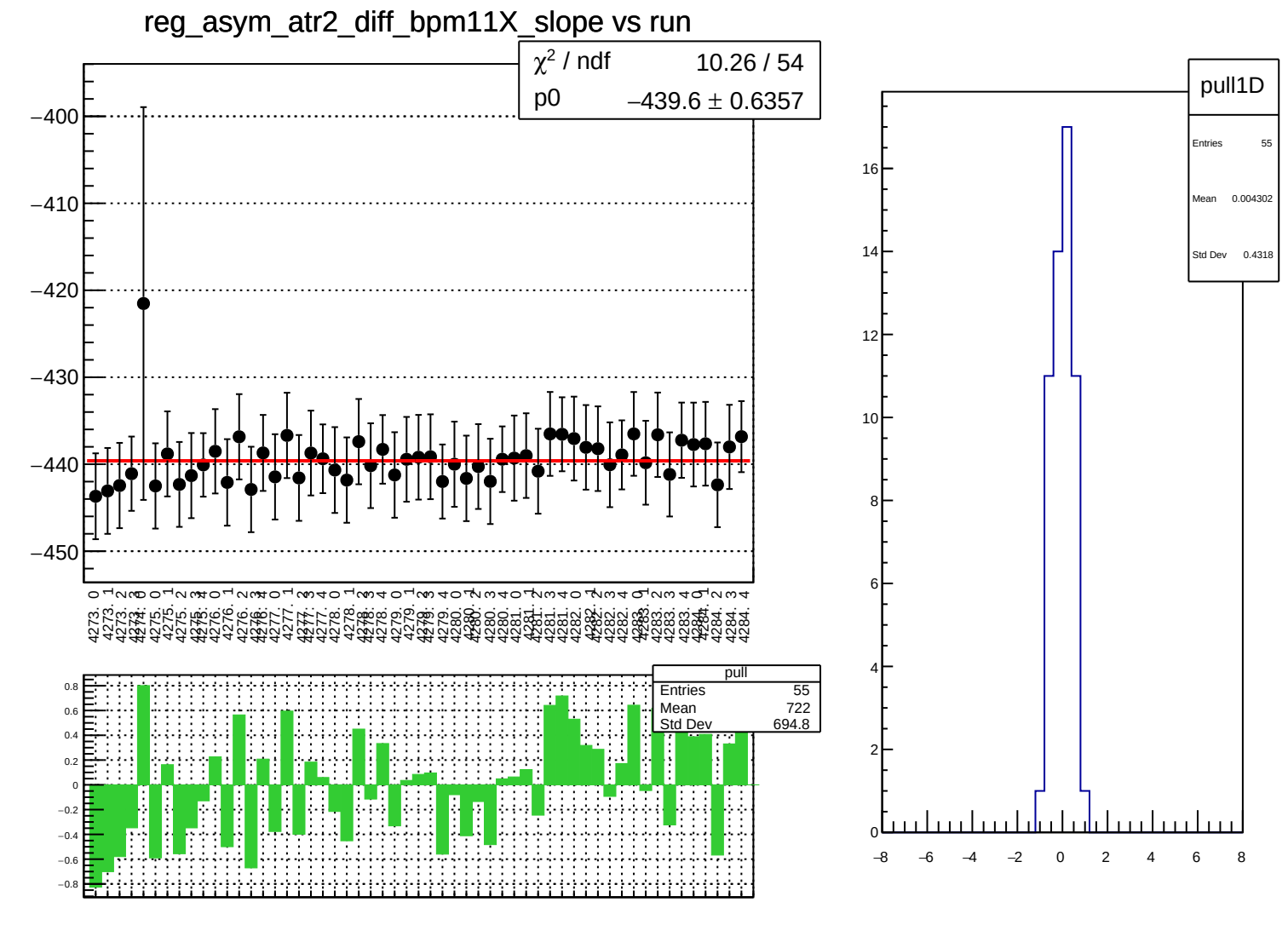

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.25 / 54
p0 23.78 ± 2.15
pull
Entries 55
Mean 323
Std Dev 295.3

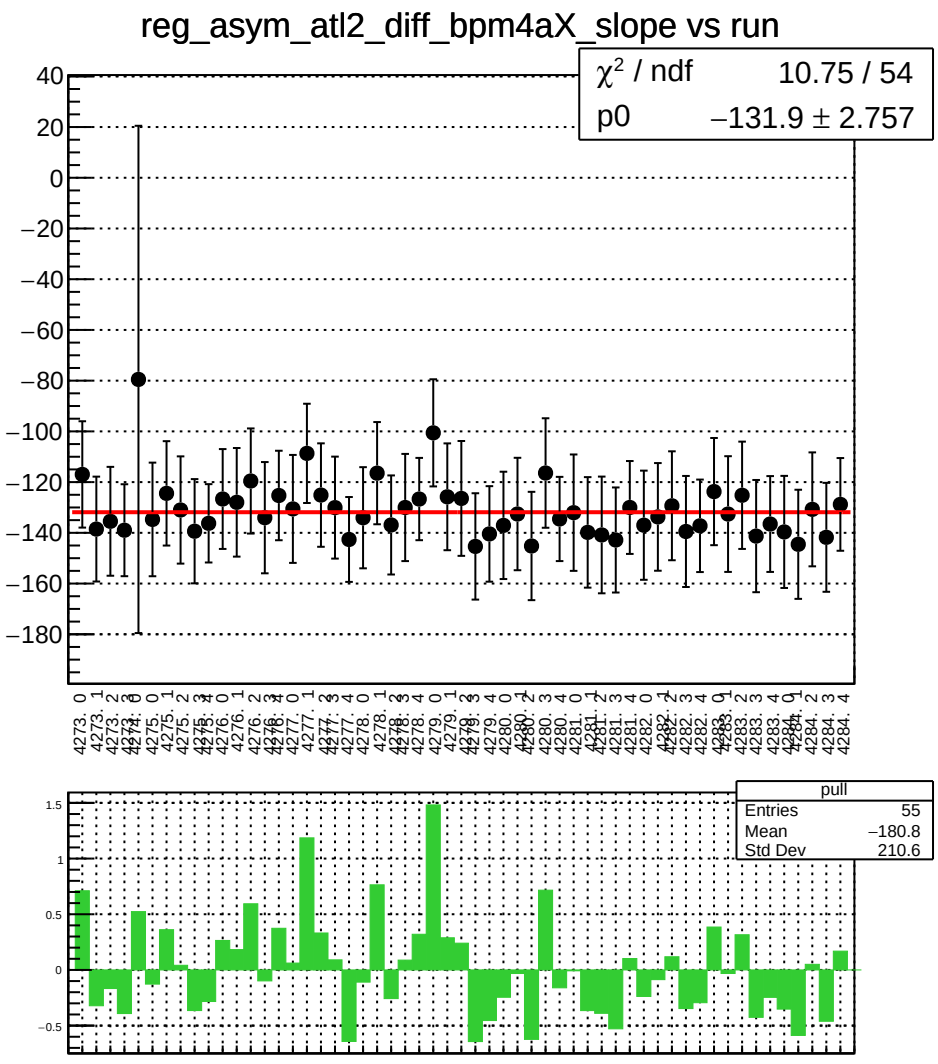

pull1D
Entries 55
Mean 0.002938
Std Dev 0.2431

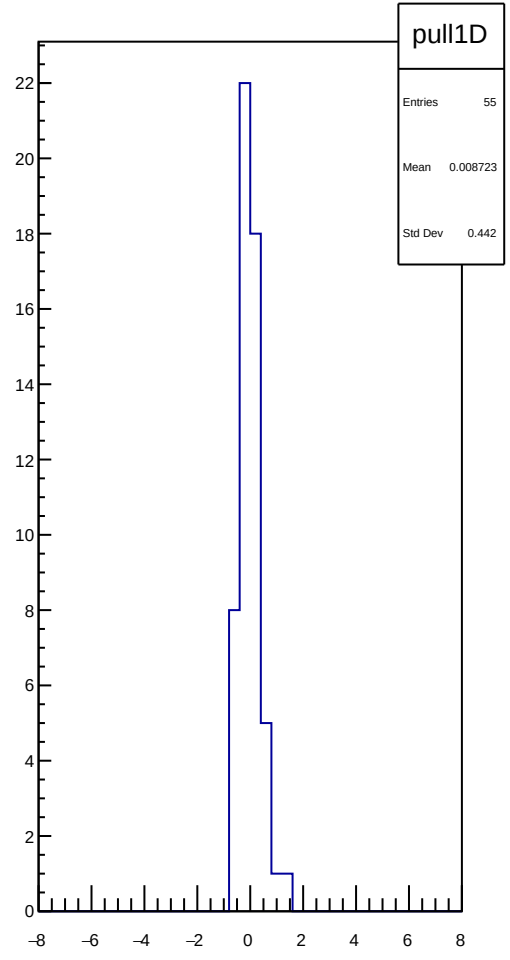

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 11.76 / 54
p0 −97.65 ± 0.5309
pull
Entries 55
Mean −1332
Std Dev 1358
pull1D
Entries 55
Mean −0.003011
Std Dev 0.4624

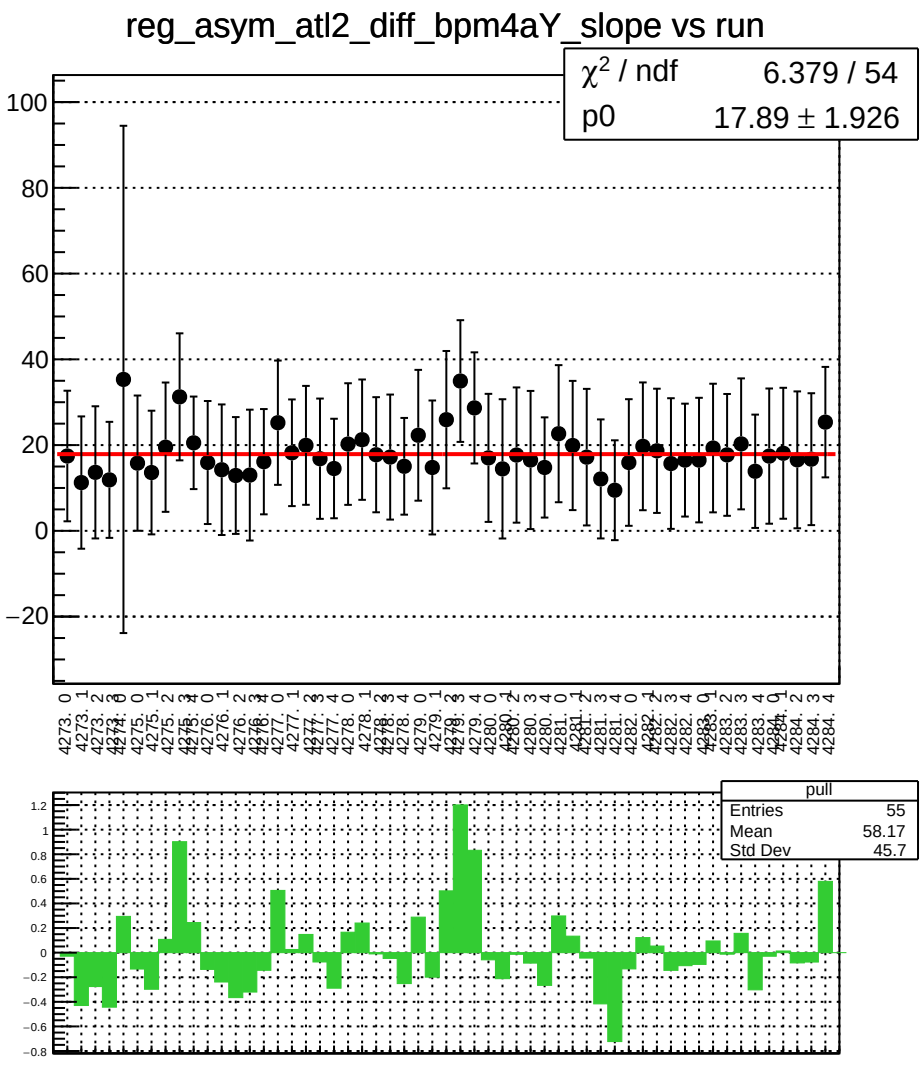

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 3.461 / 54
p0 70.05 ± 3.676
pull
Entries 55
Mean 189.9
Std Dev 158.5

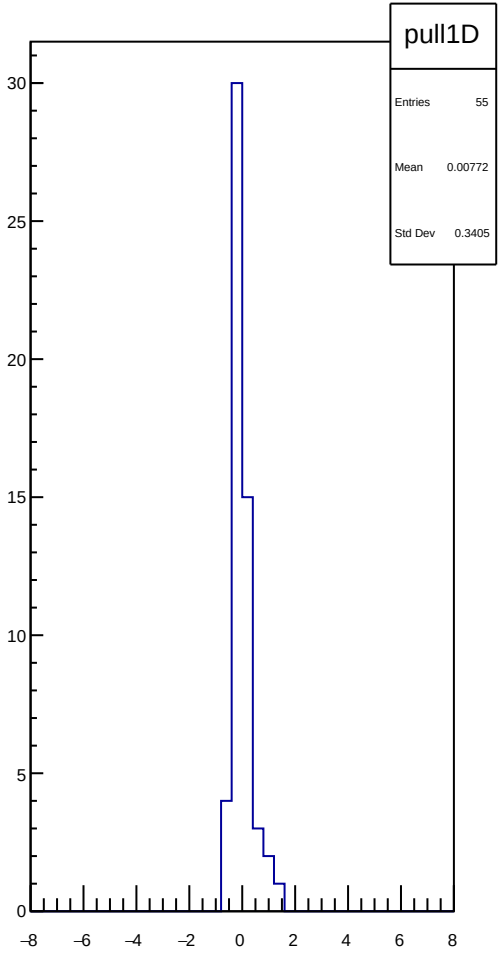

pull1D
Entries 55
Mean −0.003744
Std Dev 0.2508

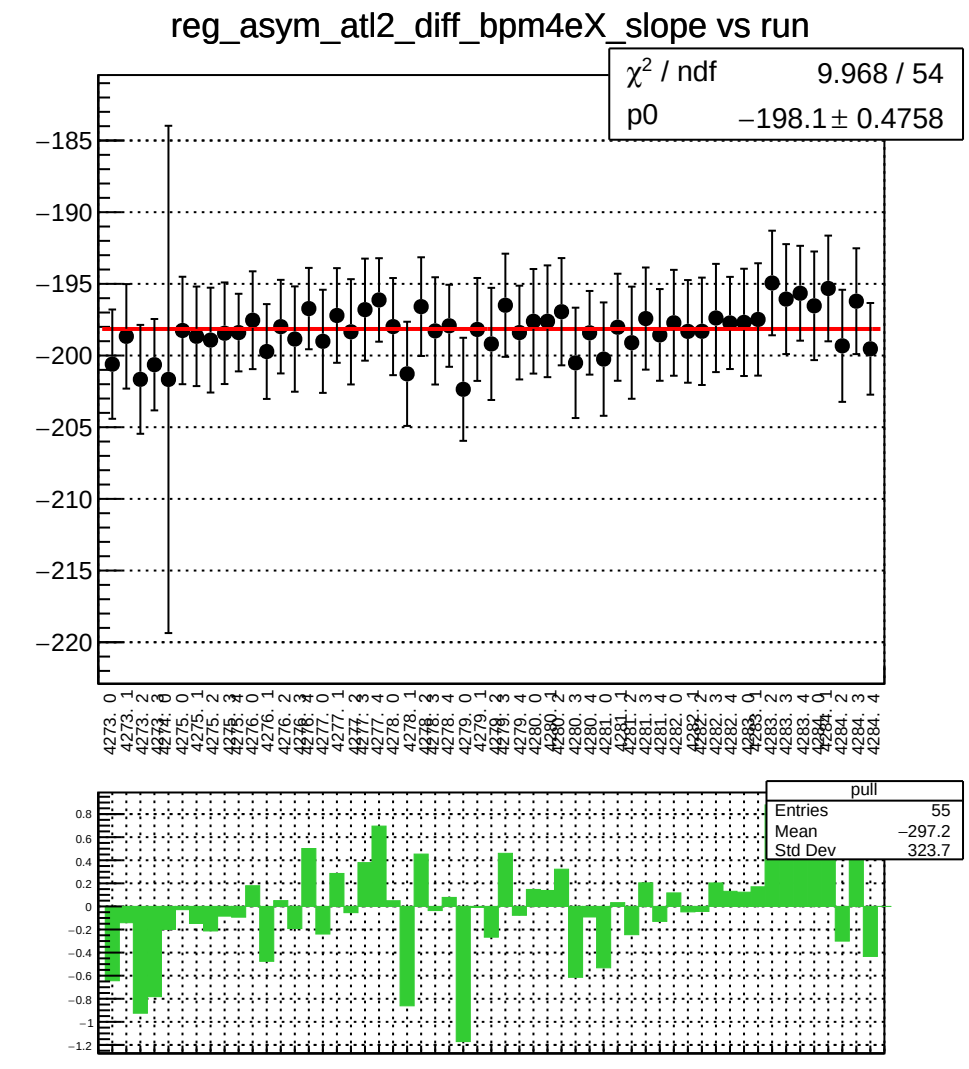

reg_asym_atr2_diff_bpm11X_slope vs run
χ² / ndf 10.26 / 54
p0 −439.6 ± 0.6357
pull
Entries 55
Mean 722
Std Dev 694.8
pull1D
Entries 55
Mean 0.004302
Std Dev 0.4318

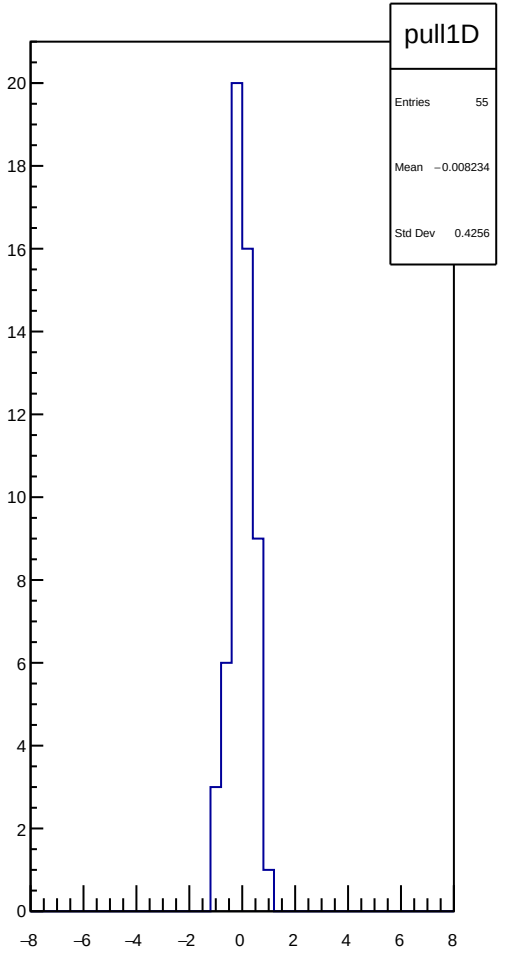

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 10.75 / 54
p0 −131.9 ± 2.757
pull
Entries 55
Mean −180.8
Std Dev 210.6

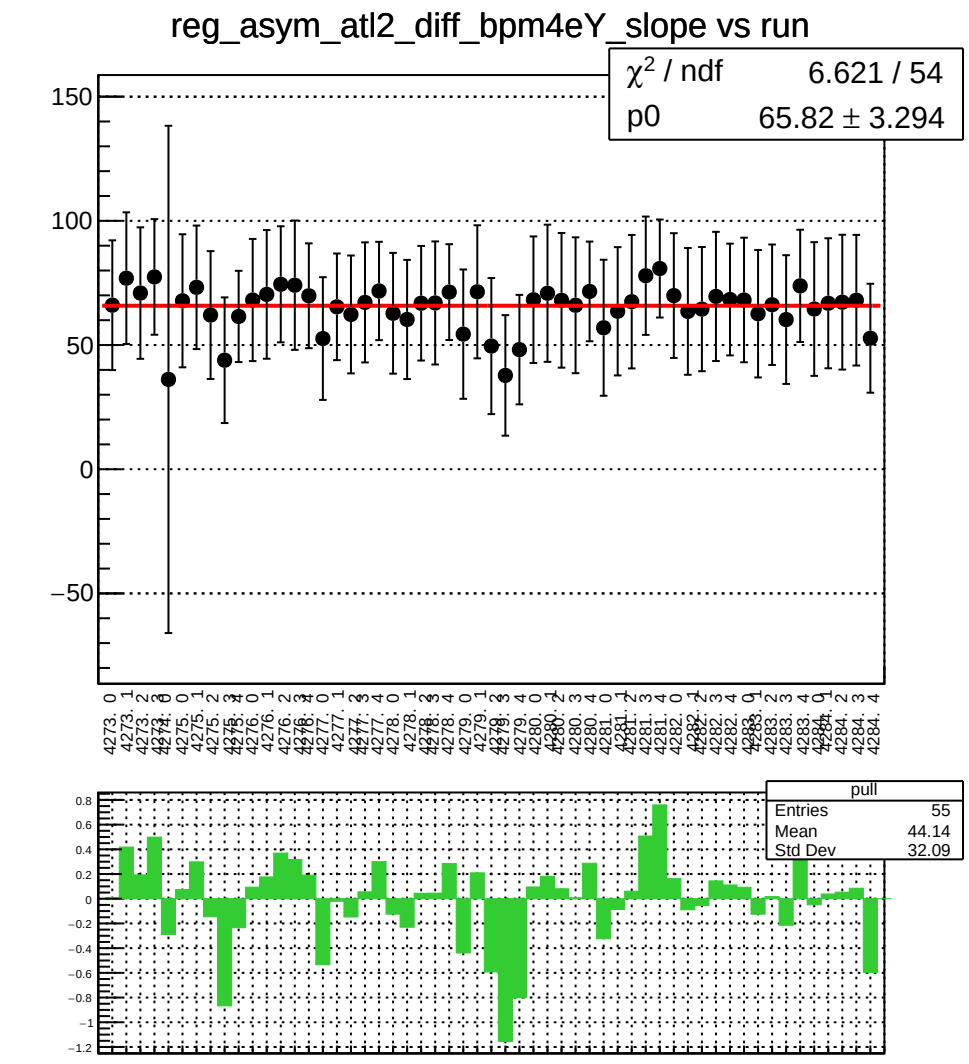

pull1D
Entries 55
Mean 0.008723
Std Dev 0.442

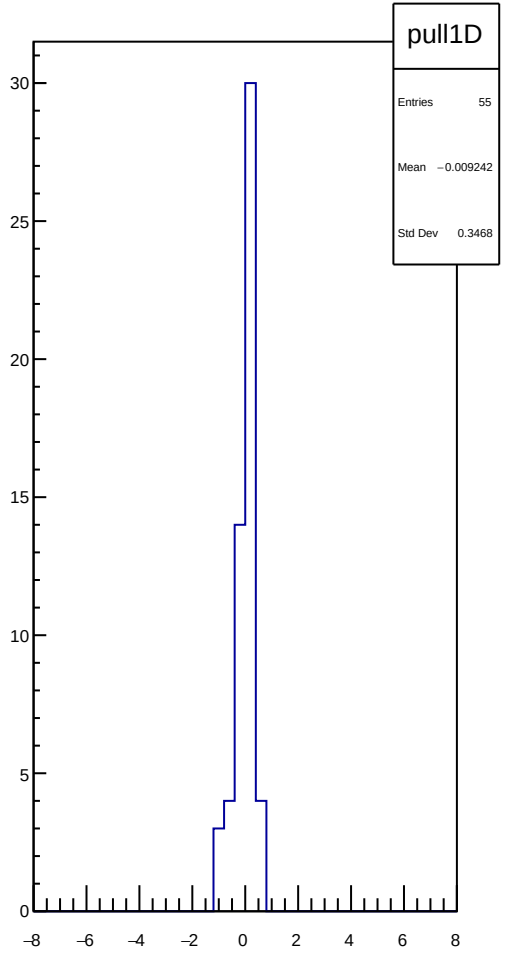

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.379 / 54
p0 17.89 ± 1.926
pull
Entries 55
Mean 58.17
Std Dev 45.7

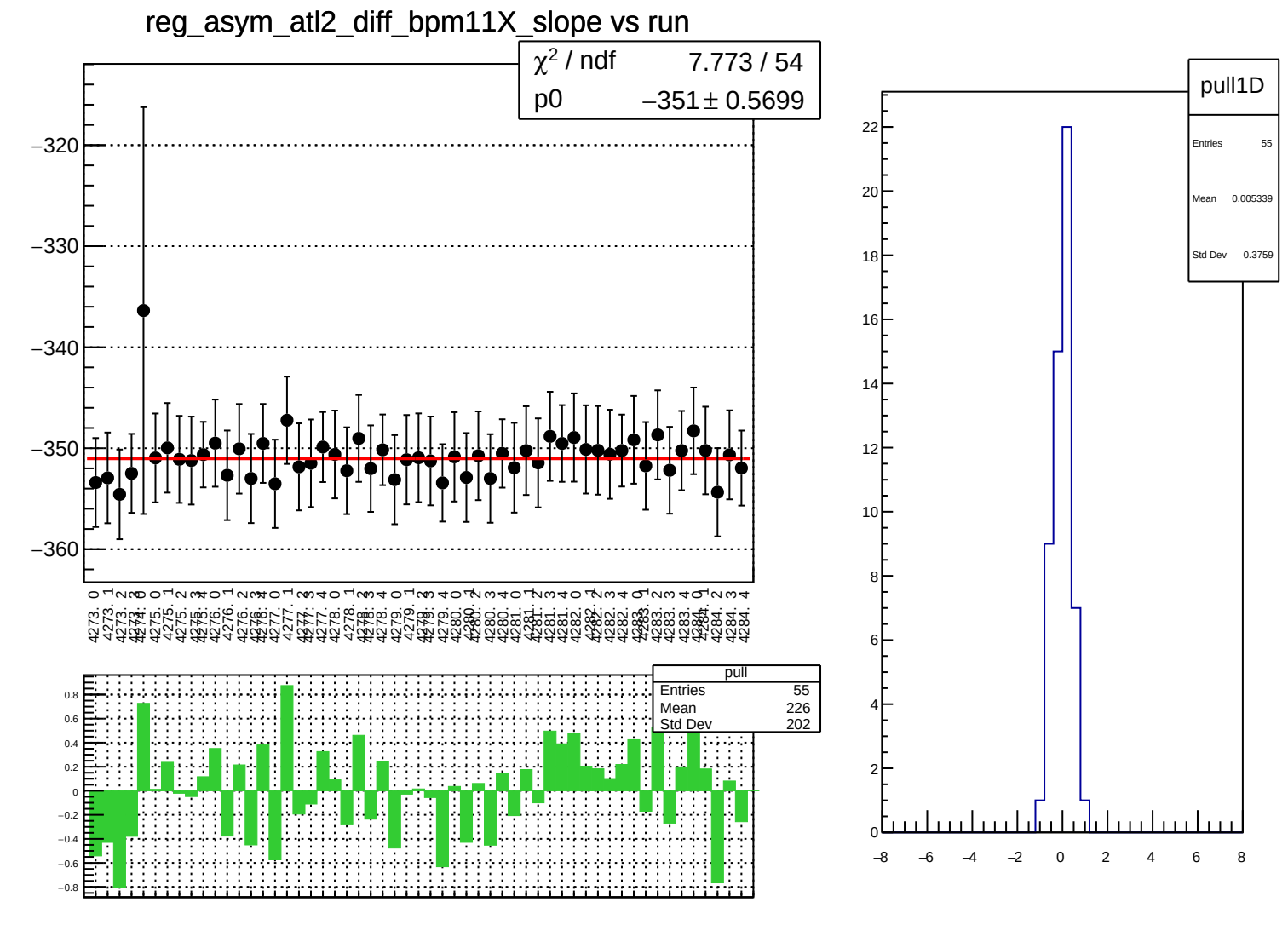

pull1D
Entries 55
Mean 0.00772
Std Dev 0.3405

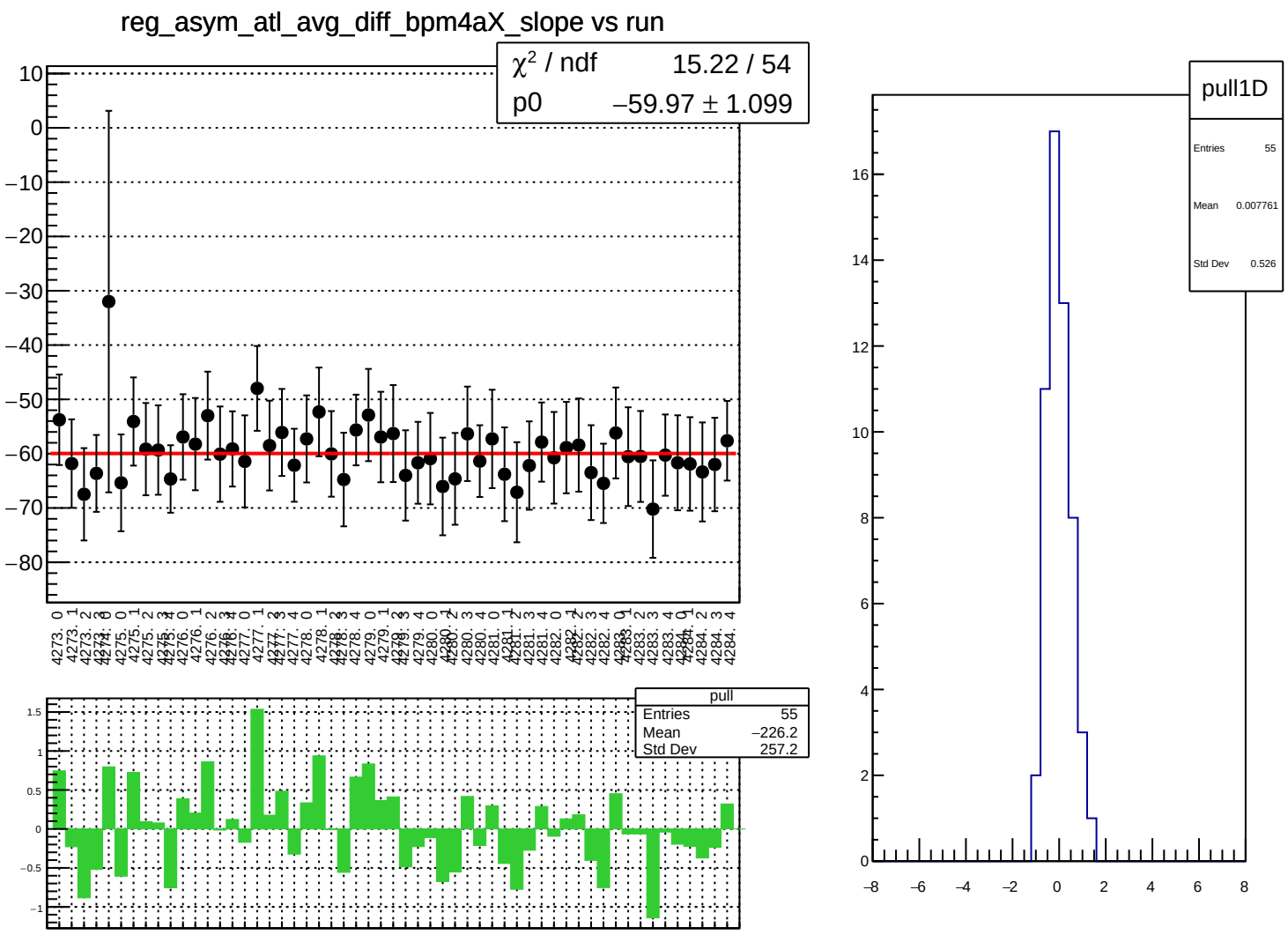

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 9.968 / 54
p0 −198.1 ± 0.4758
pull
Entries 55
Mean −297.2
Std Dev 323.7

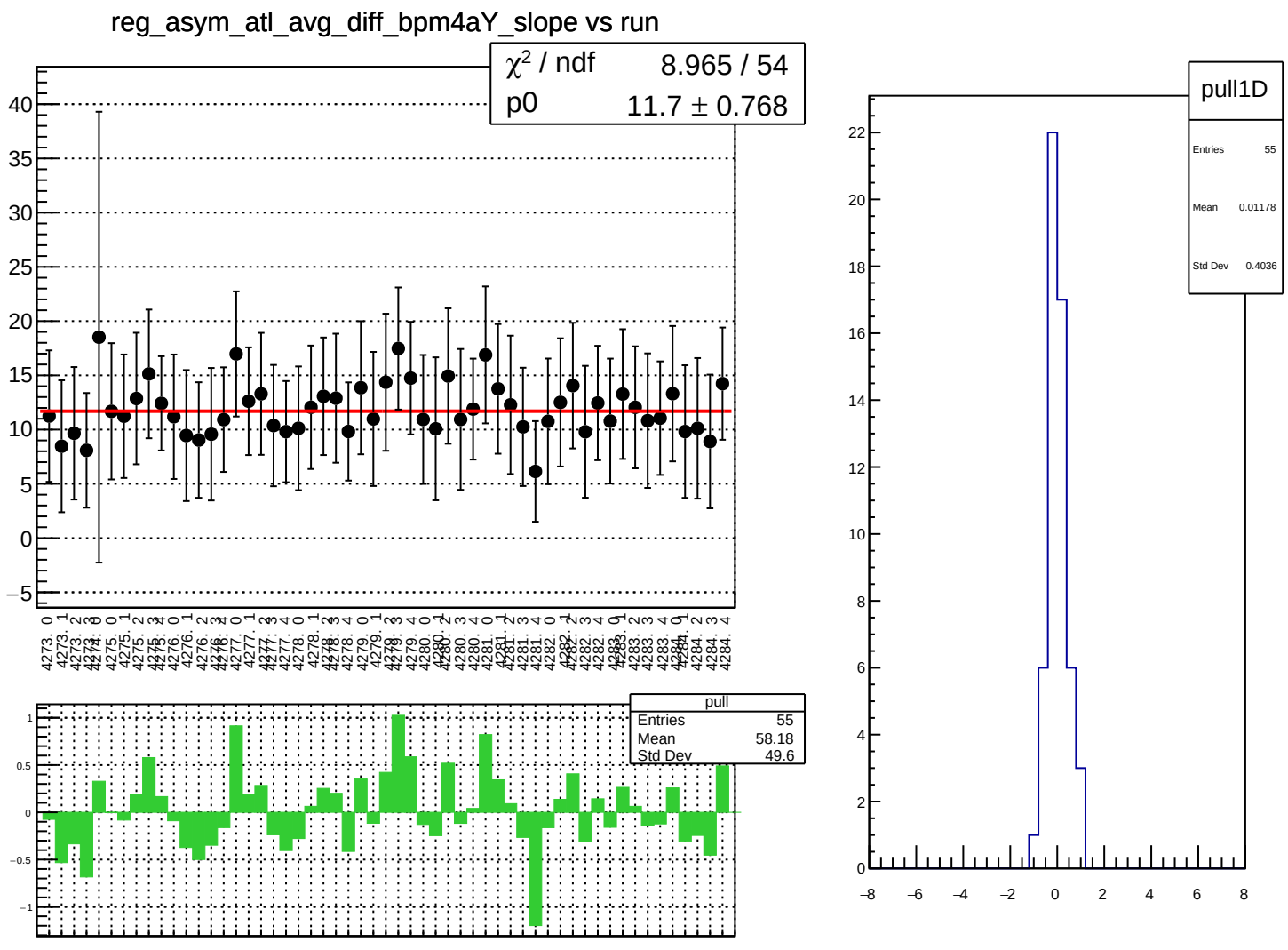

pull1D
Entries 55
Mean −0.008234
Std Dev 0.4256

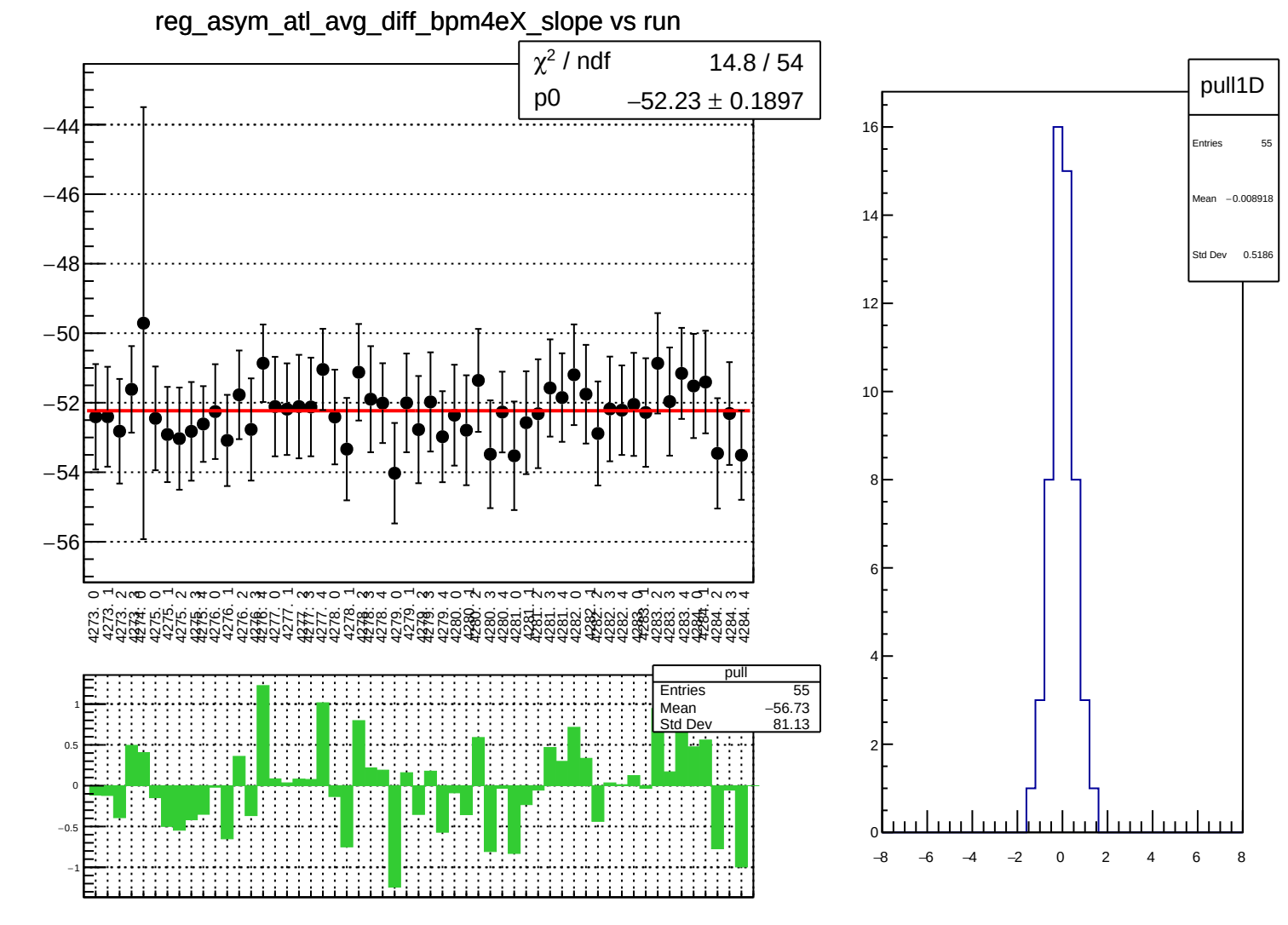

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.621 / 54
p0 65.82 ± 3.294
150
100
50
0
−50
pull
Entries 55
Mean 44.14
Std Dev 32.09
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

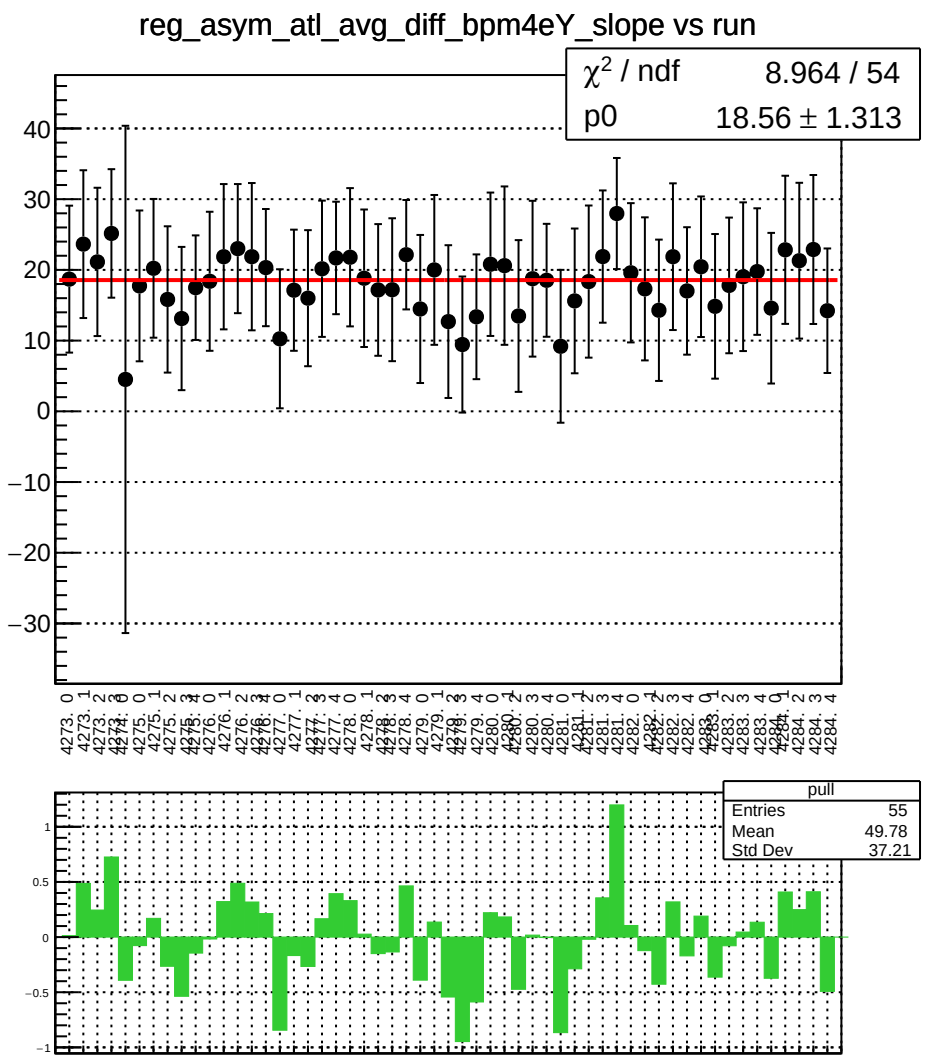

pull1D
Entries 55
Mean −0.009242
Std Dev 0.3468
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

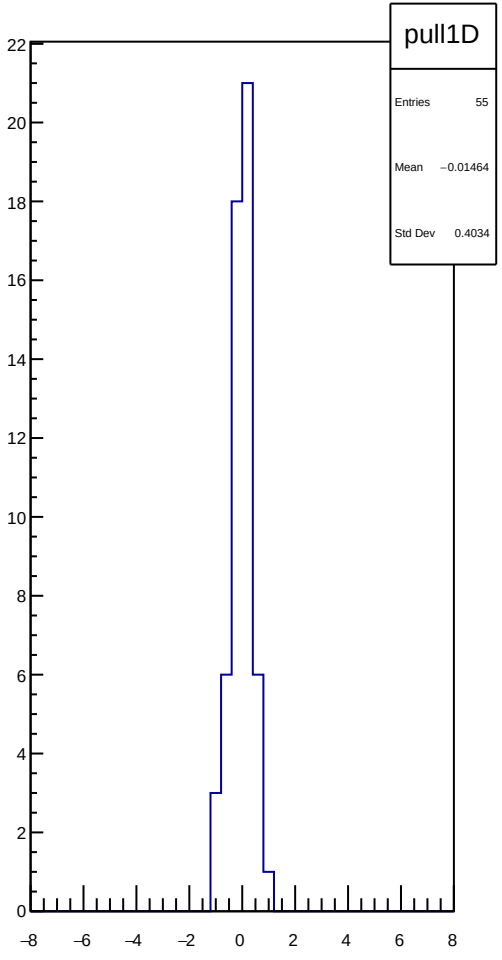

reg_asym_atl2_diff_bpm11X_slope vs run
χ² / ndf 7.773 / 54
p0 −351 ± 0.5699
−320
−330
−340
−350
−360
pull
Entries 55
Mean 226
Std Dev 202
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 55
Mean 0.005339
Std Dev 0.3759
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

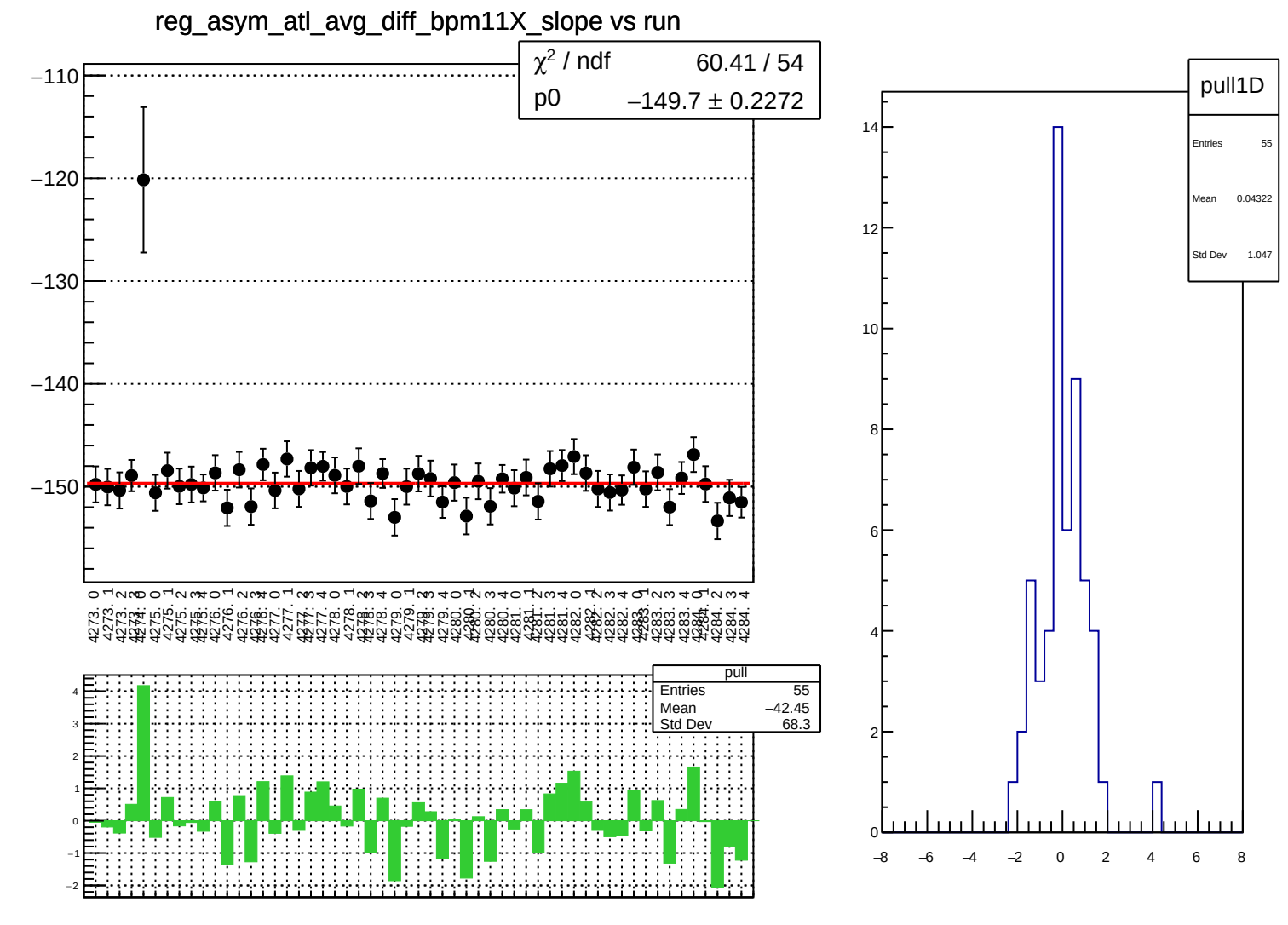

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.22 / 54
p0 −59.97 ± 1.099
pull
Entries 55
Mean −226.2
Std Dev 257.2
pull1D
Entries 55
Mean 0.007761
Std Dev 0.526

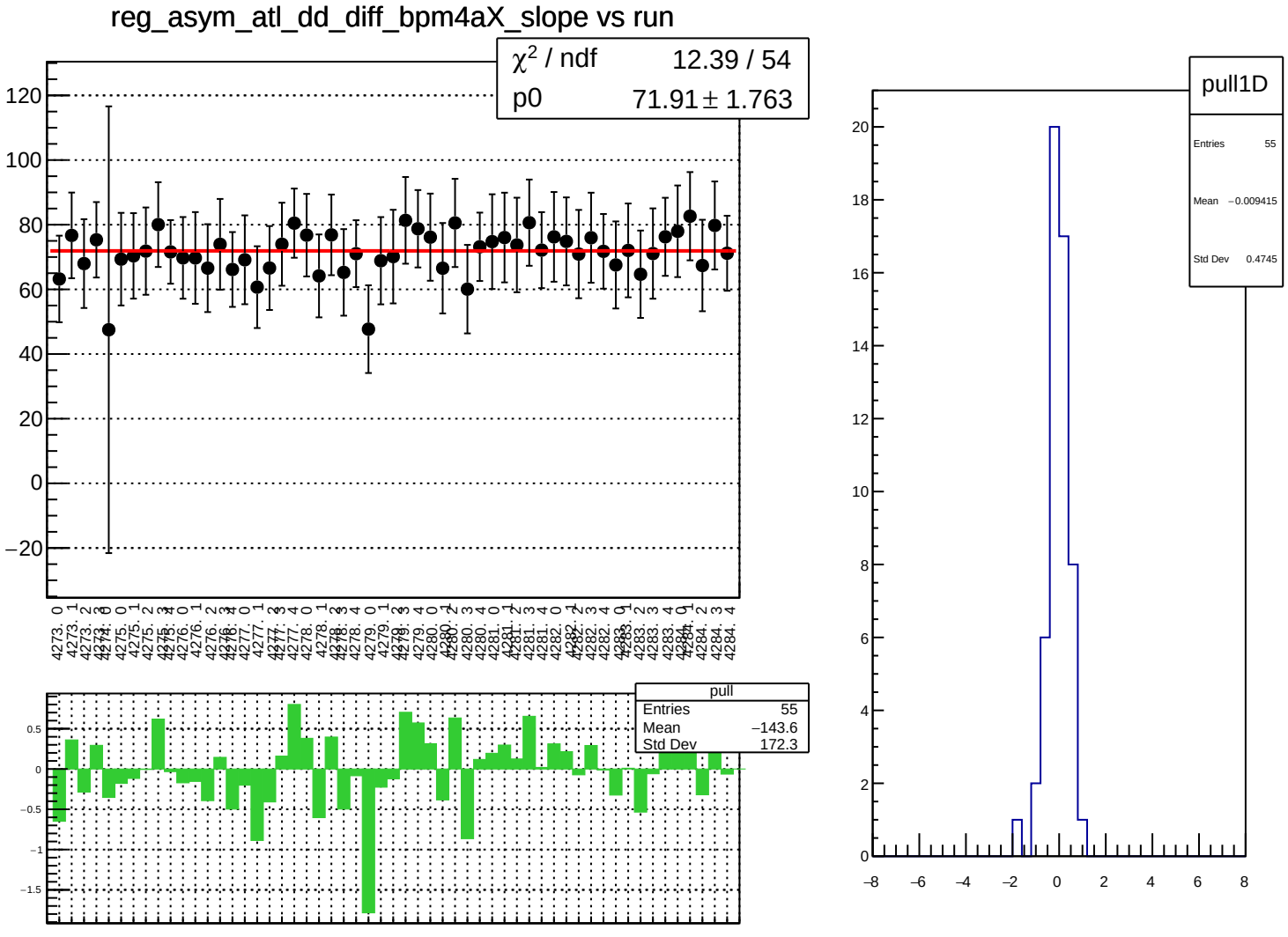

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.965 / 54
p0 11.7 ± 0.768
pull
Entries 55
Mean 58.18
Std Dev 49.6
pull1D
Entries 55
Mean 0.01178
Std Dev 0.4036

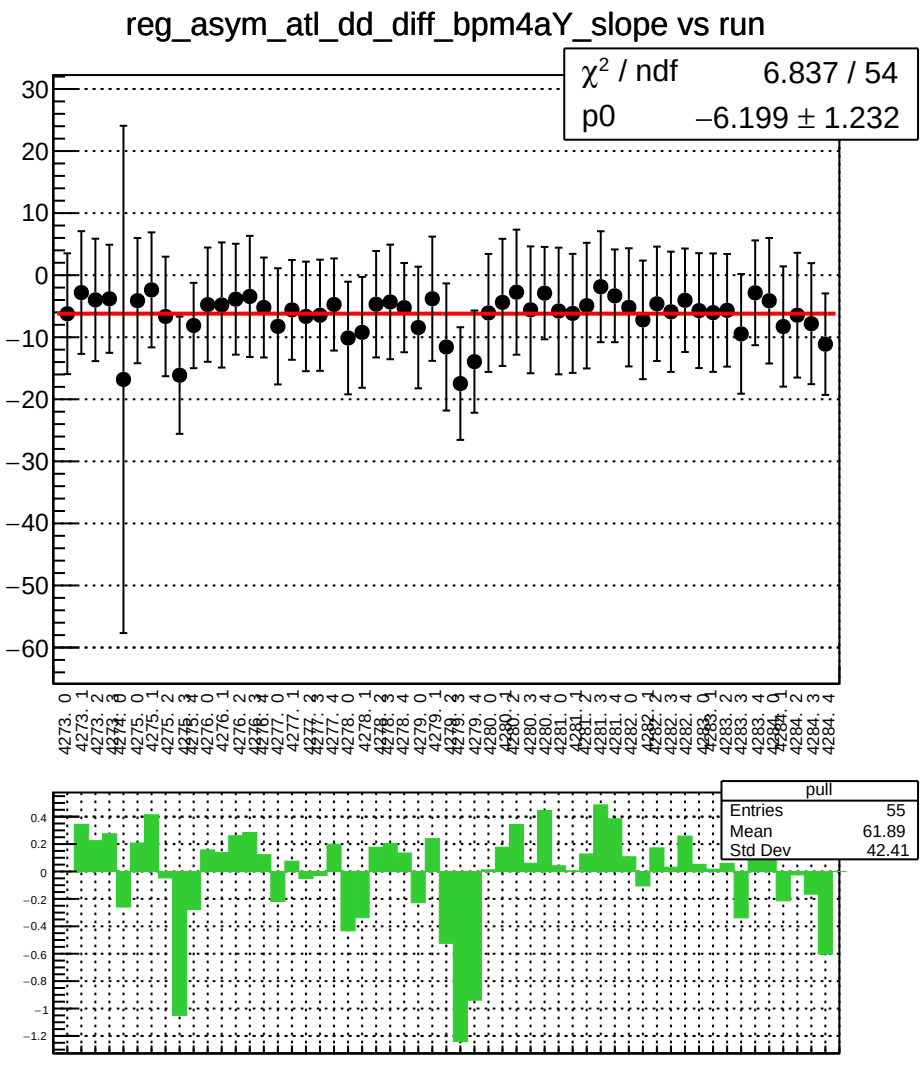

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.8 / 54
p0 −52.23 ± 0.1897
pull
Entries 55
Mean −56.73
Std Dev 81.13
pull1D
Entries 55
Mean −0.008918
Std Dev 0.5186

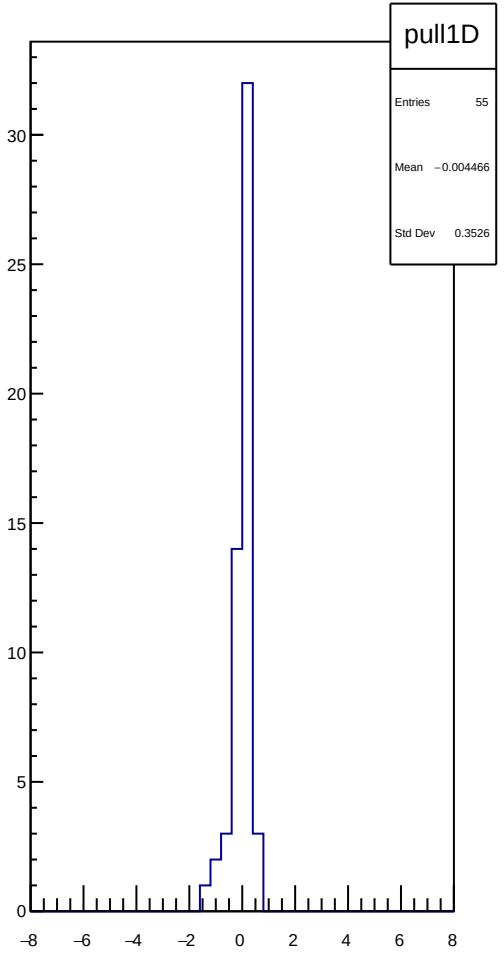

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.964 / 54
p0 18.56 ± 1.313
pull
Entries 55
Mean 49.78
Std Dev 37.21

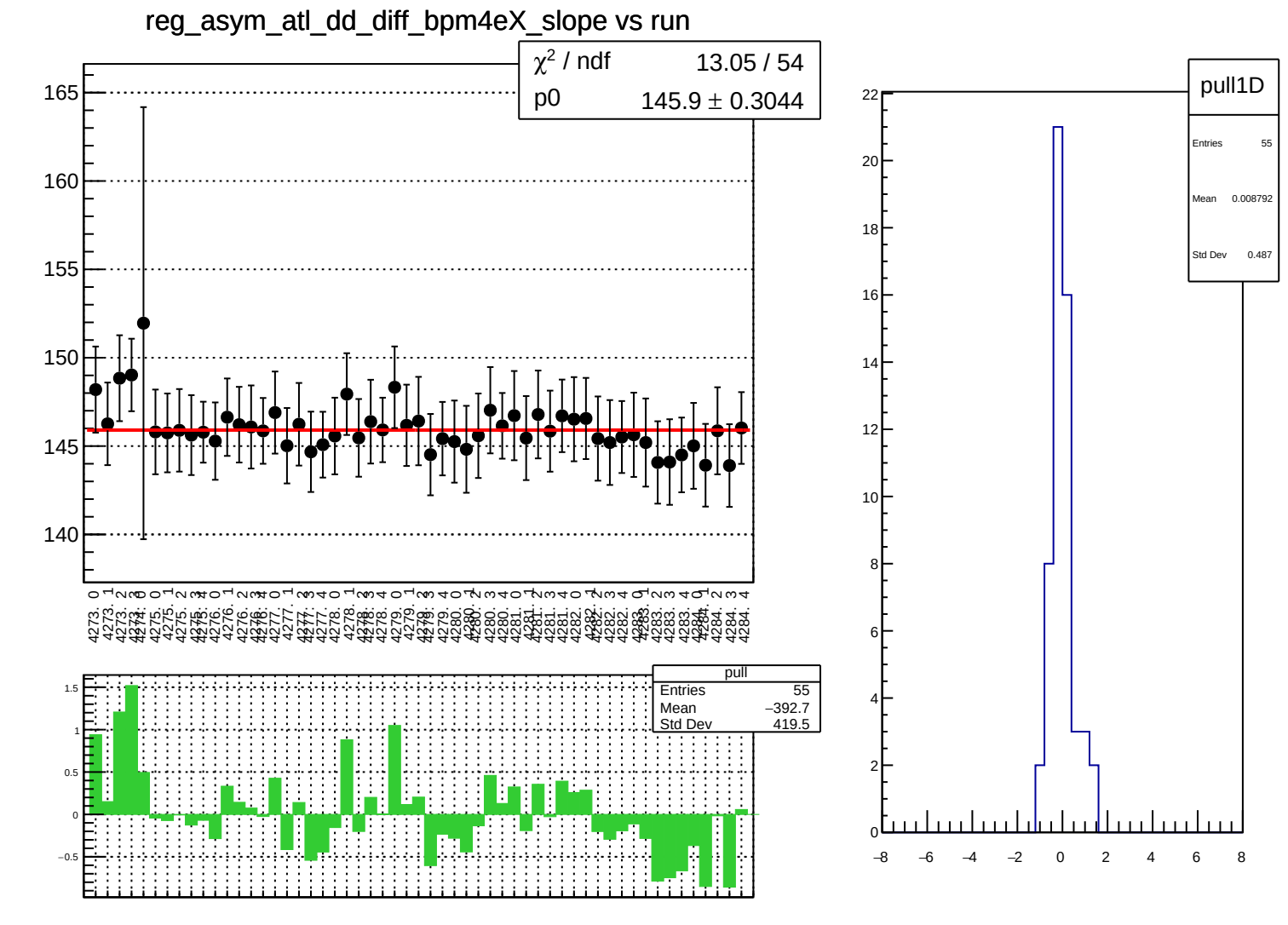

pull1D
Entries 55
Mean −0.01464
Std Dev 0.4034

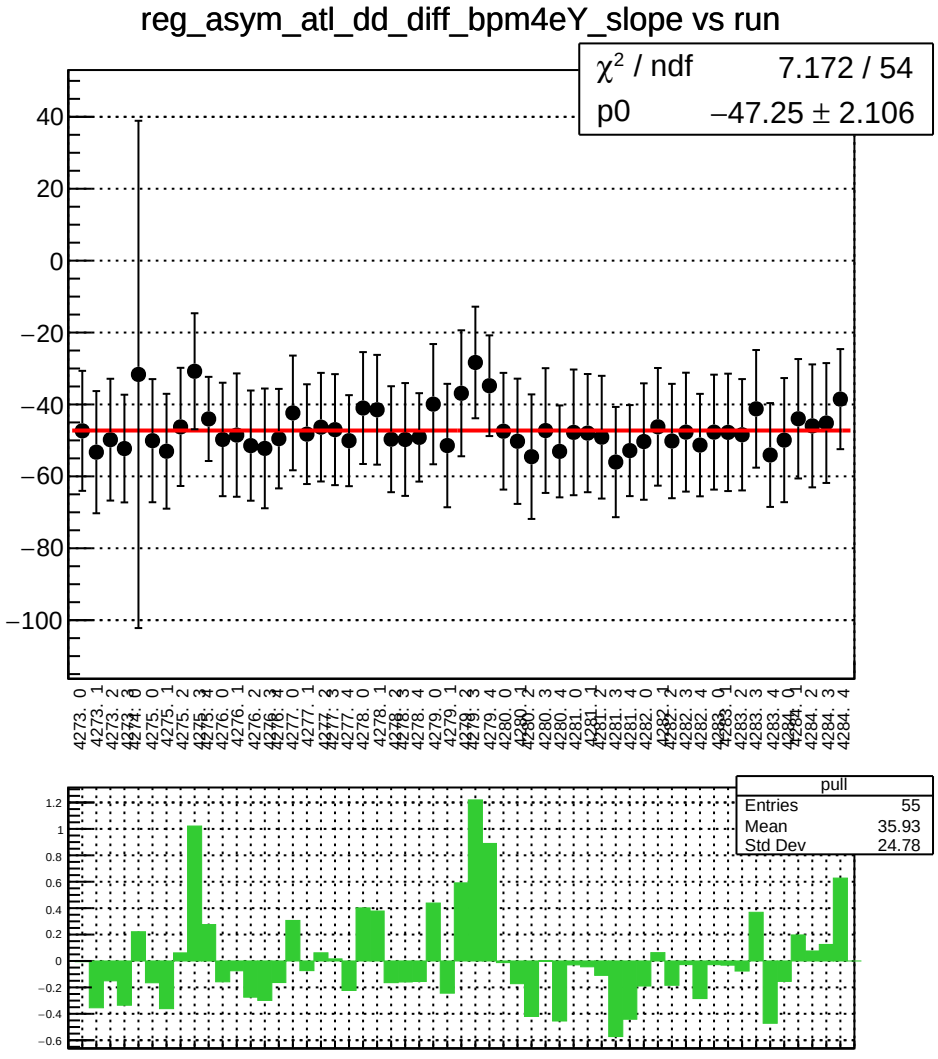

reg_asym_atl_avg_diff_bpm11X_slope vs run
χ² / ndf 60.41 / 54
p0 −149.7 ± 0.2272
−110
−120
−130
−140
−150
pull
Entries 55
Mean −42.45
Std Dev 68.3
pull1D
Entries 55
Mean 0.04322
Std Dev 1.047

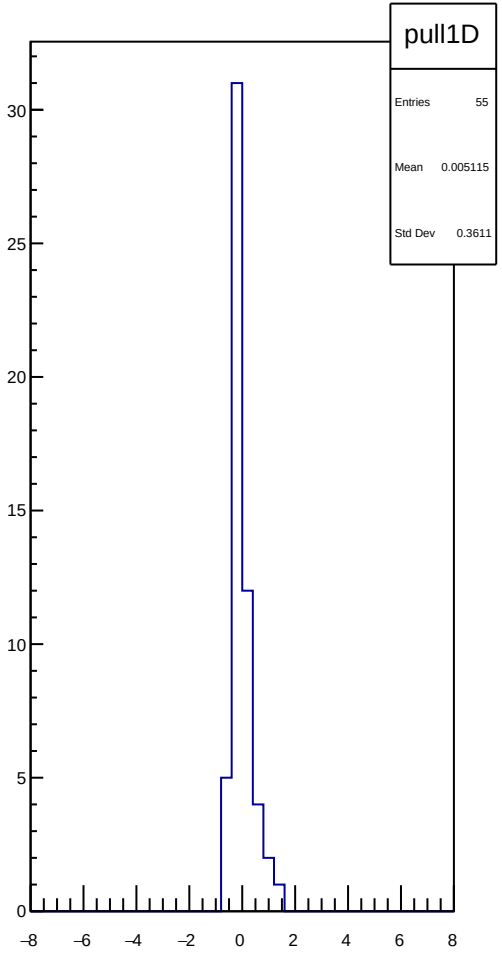

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.39 / 54
p0 71.91 ± 1.763
pull
Entries 55
Mean −143.6
Std Dev 172.3
pull1D
Entries 55
Mean −0.009415
Std Dev 0.4745

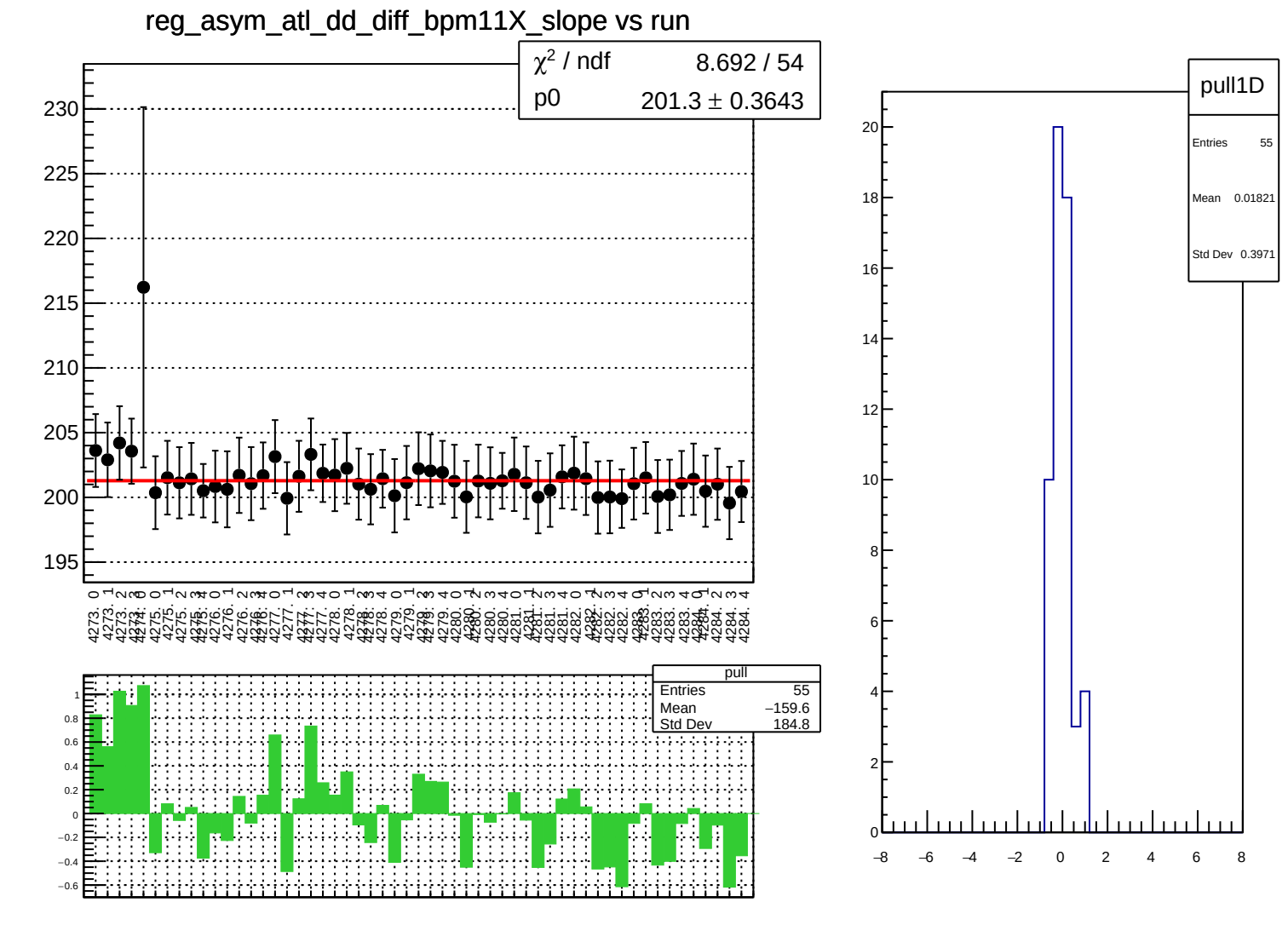

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.837 / 54
p0 −6.199 ± 1.232
pull
Entries 55
Mean 61.89
Std Dev 42.41

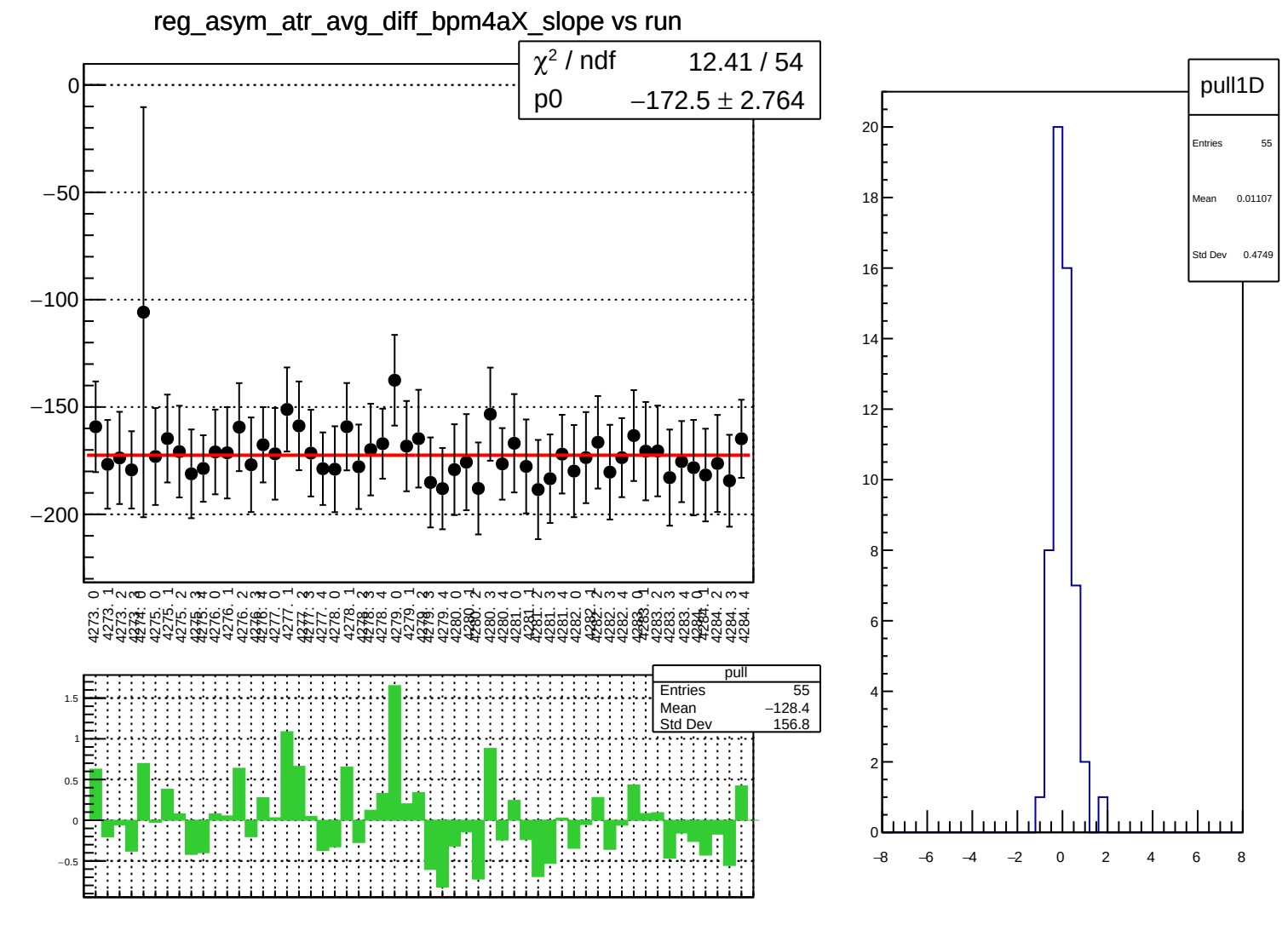

pull1D
Entries 55
Mean −0.004466
Std Dev 0.3526

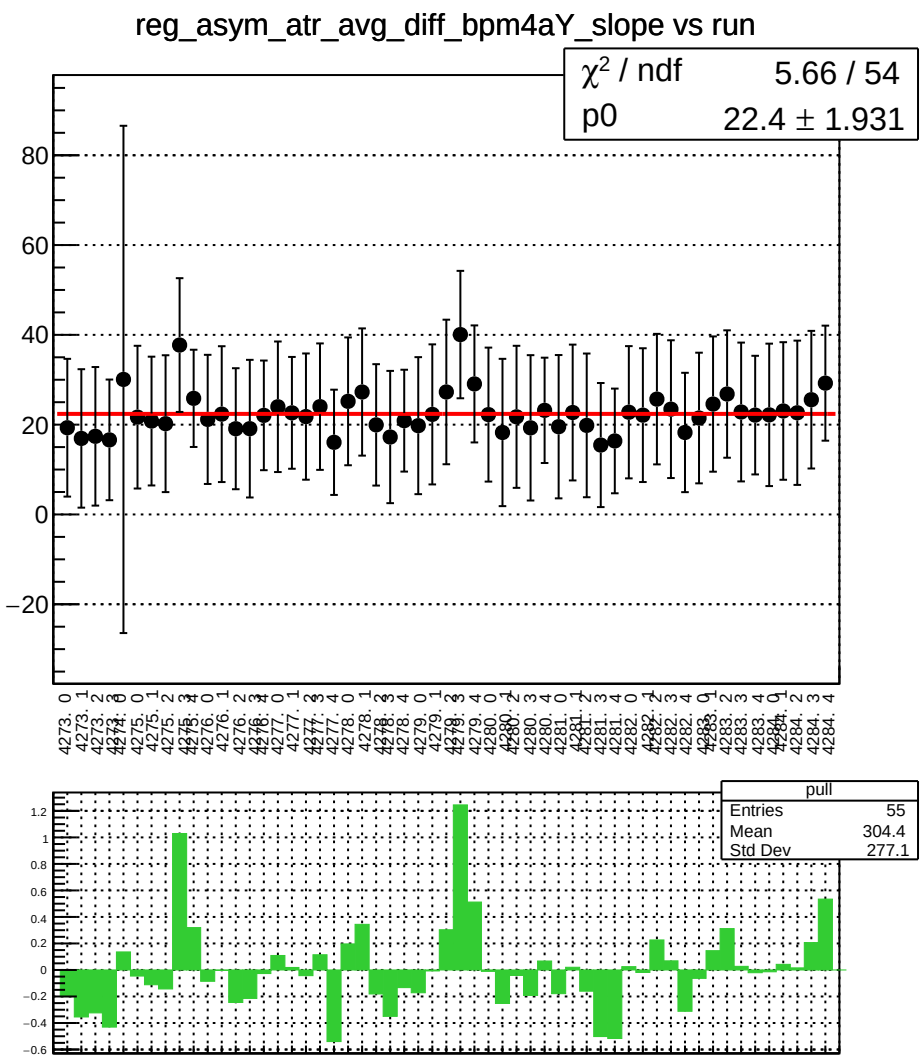

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.05 / 54
p0 145.9 ± 0.3044
pull
Entries 55
Mean −392.7
Std Dev 419.5
pull1D
Entries 55
Mean 0.008792
Std Dev 0.487

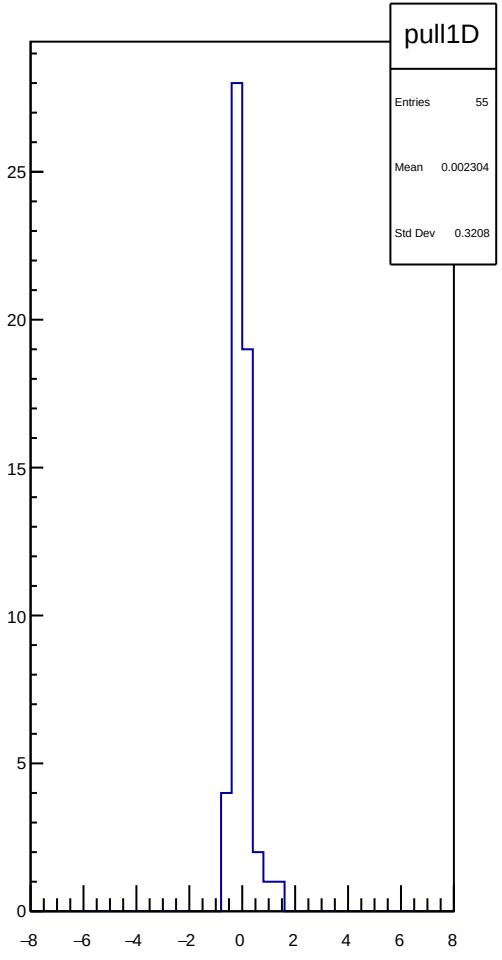

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.172 / 54
p0 −47.25 ± 2.106
pull
Entries 55
Mean 35.93
Std Dev 24.78

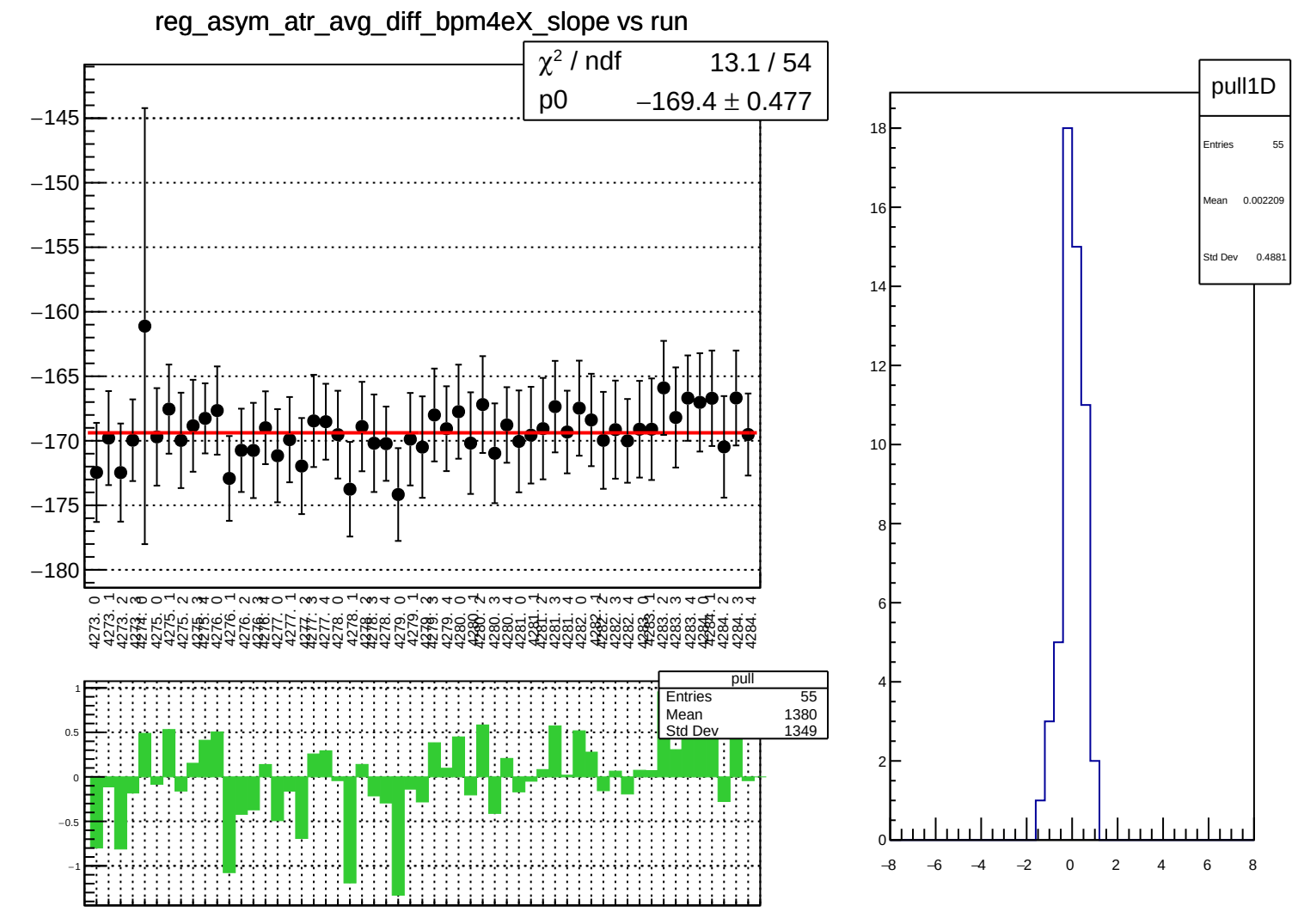

pull1D
Entries 55
Mean 0.005115
Std Dev 0.3611

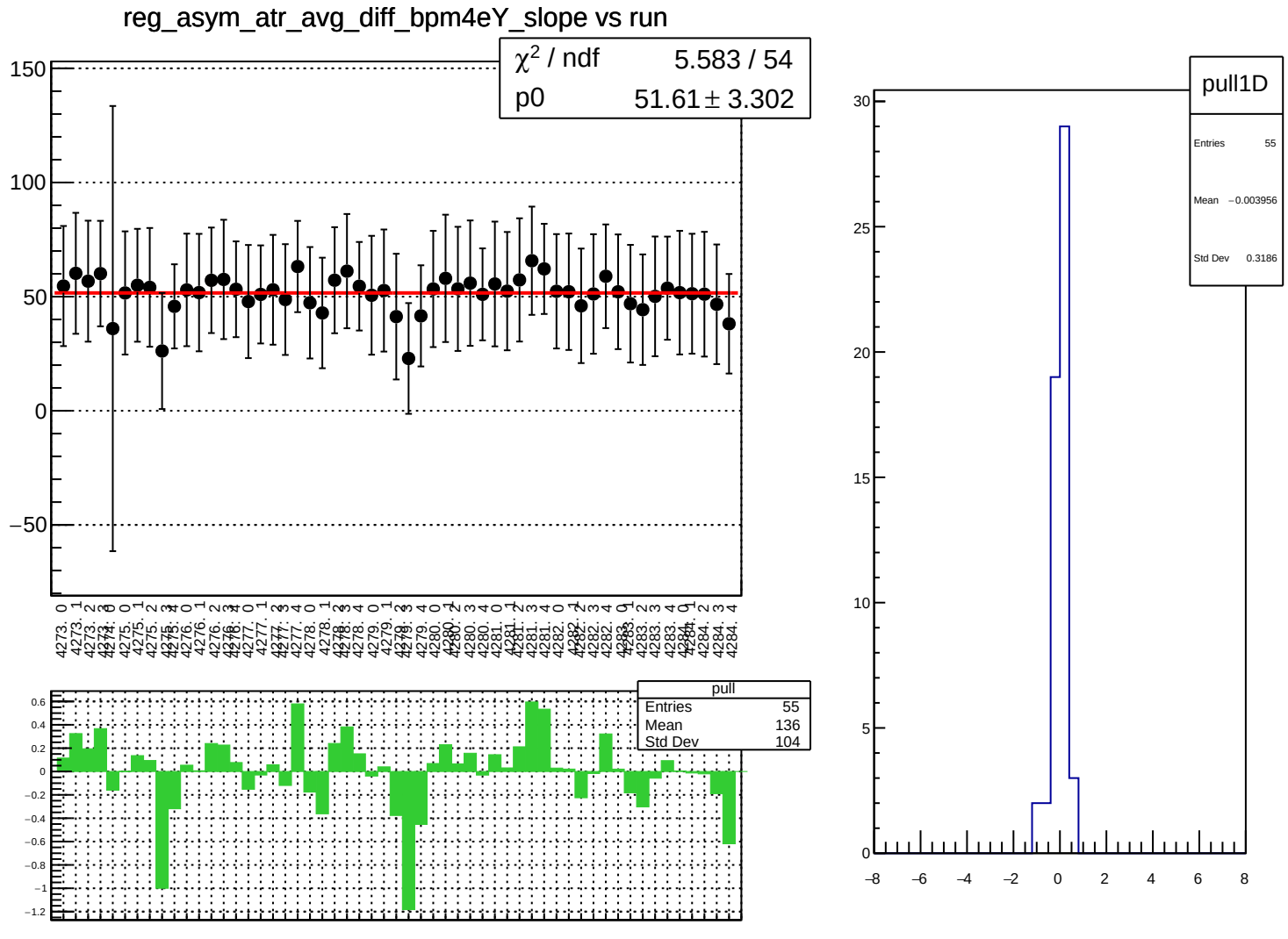

reg_asym_atl_dd_diff_bpm11X_slope vs run
χ² / ndf 8.692 / 54
p0 201.3 ± 0.3643
pull
Entries 55
Mean −159.6
Std Dev 184.8
pull1D
Entries 55
Mean 0.01821
Std Dev 0.3971

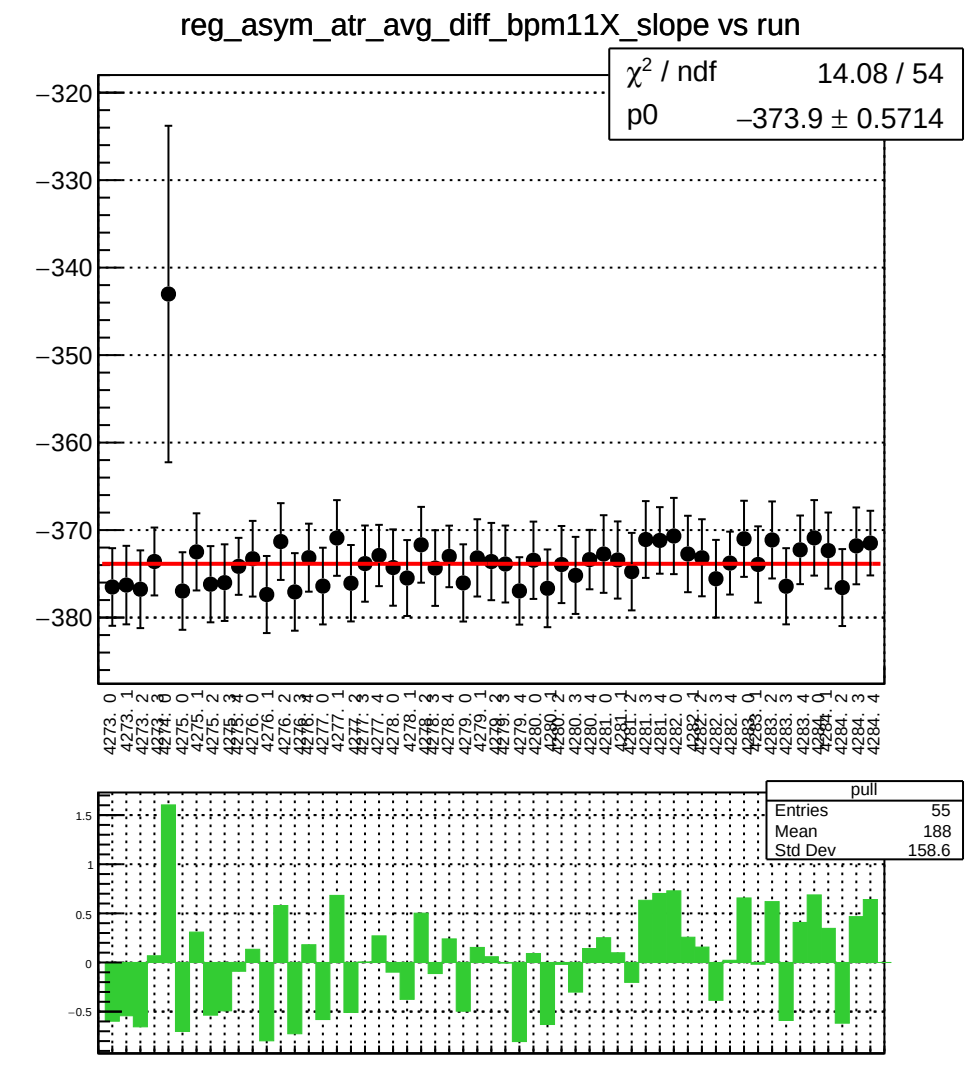

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.41 / 54
p0 −172.5 ± 2.764
pull
Entries 55
Mean −128.4
Std Dev 156.8
pull1D
Entries 55
Mean 0.01107
Std Dev 0.4749

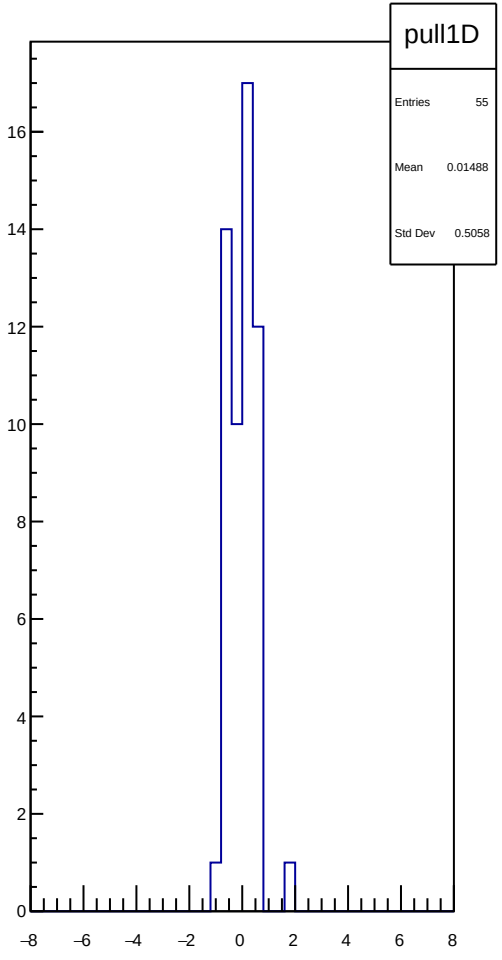

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.66 / 54
p0 22.4 ± 1.931
pull
Entries 55
Mean 304.4
Std Dev 277.1

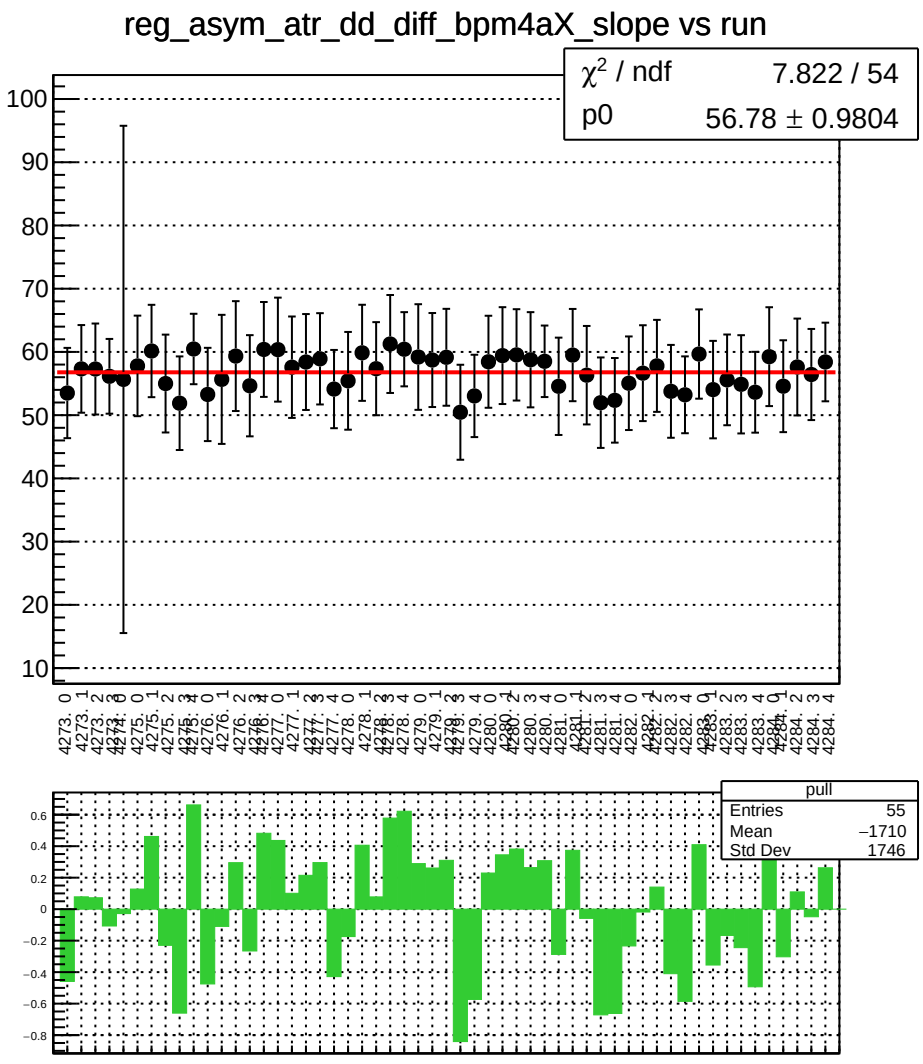

pull1D
Entries 55
Mean 0.002304
Std Dev 0.3208

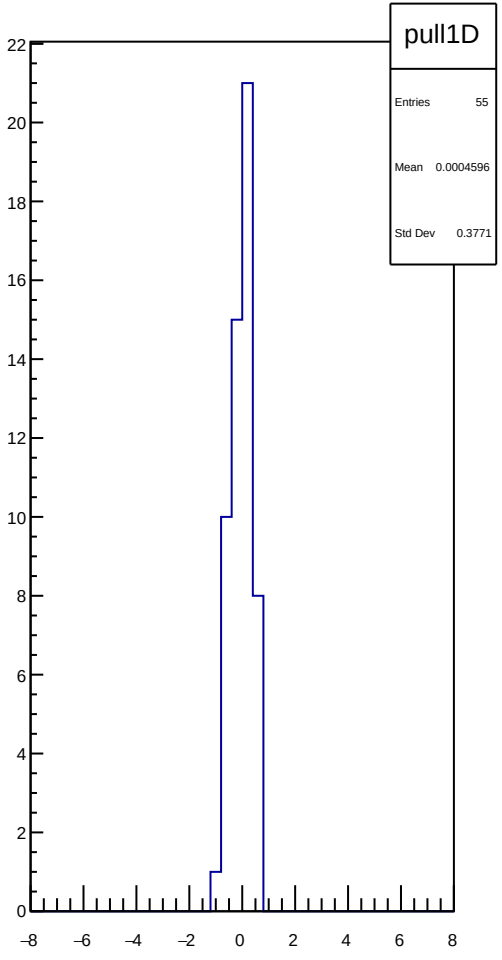

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.1 / 54
p0 −169.4 ± 0.477
pull
Entries 55
Mean 1380
Std Dev 1349
pull1D
Entries 55
Mean 0.002209
Std Dev 0.4881

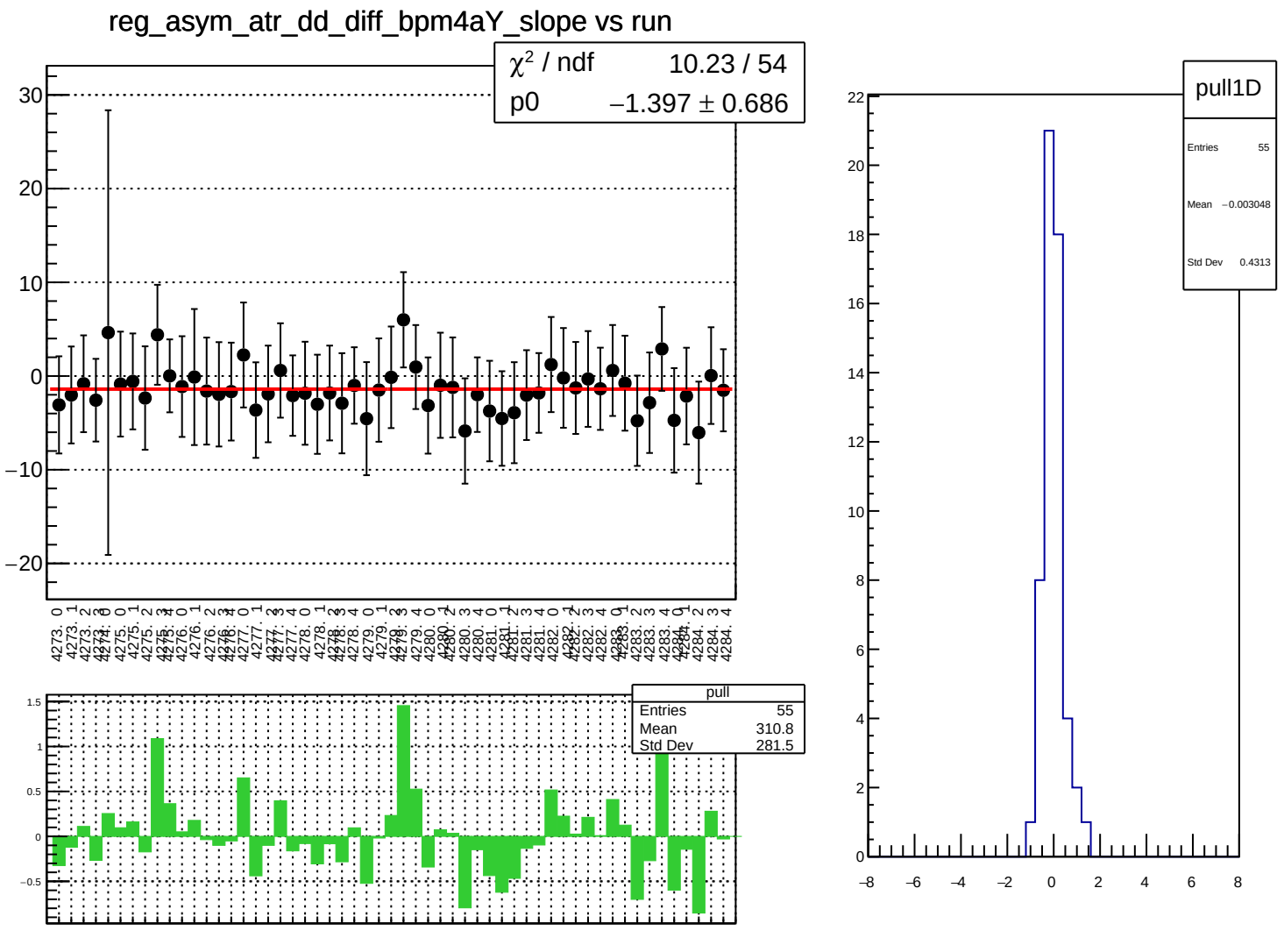

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.583 / 54
p0 51.61 ± 3.302
150
100
50
0
−50
pull
Entries 55
Mean 136
Std Dev 104
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 55
Mean −0.003956
Std Dev 0.3186
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

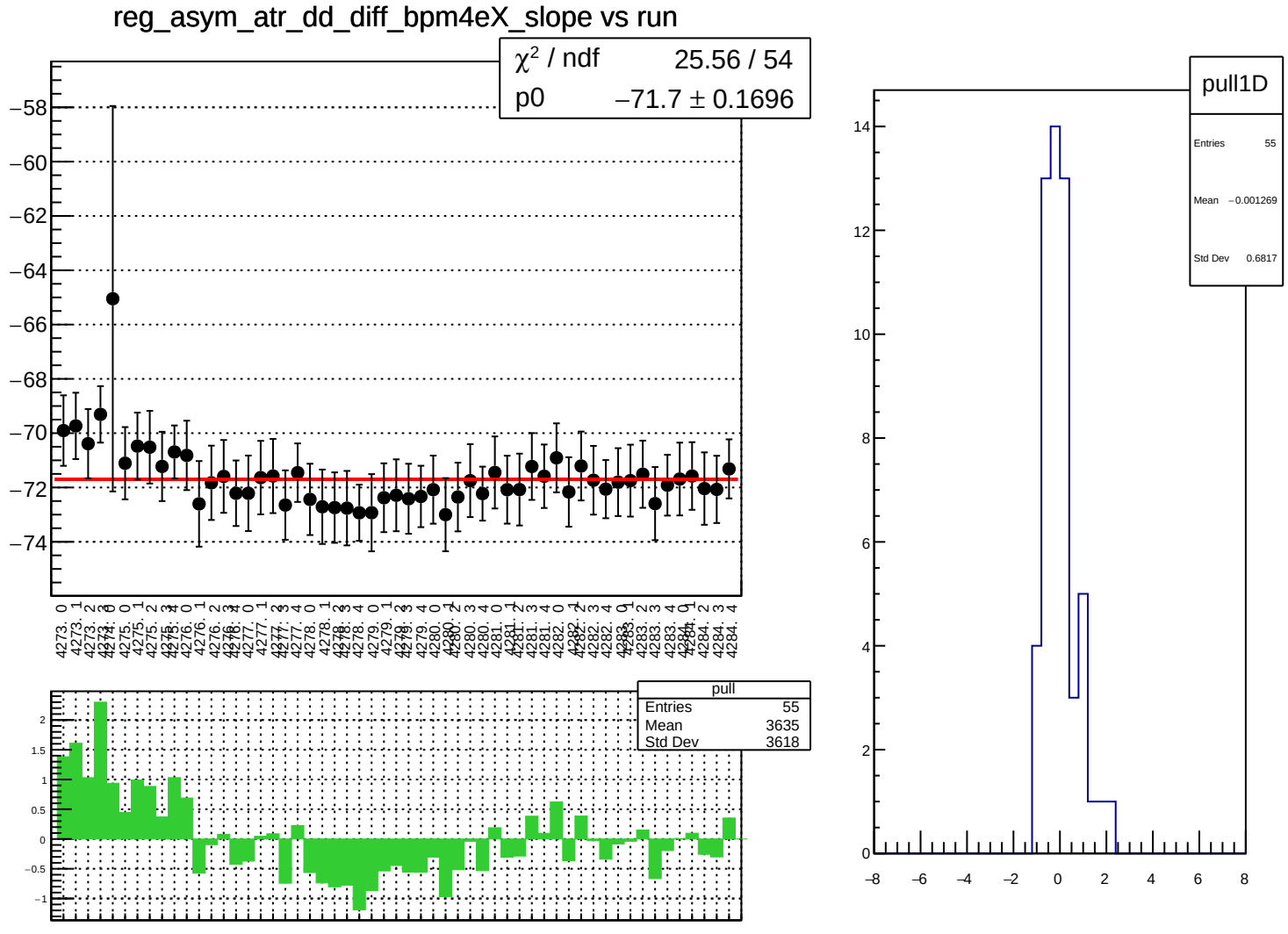

reg_asym_atr_avg_diff_bpm11X_slope vs run
χ² / ndf 14.08 / 54
p0 −373.9 ± 0.5714
pull
Entries 55
Mean 188
Std Dev 158.6

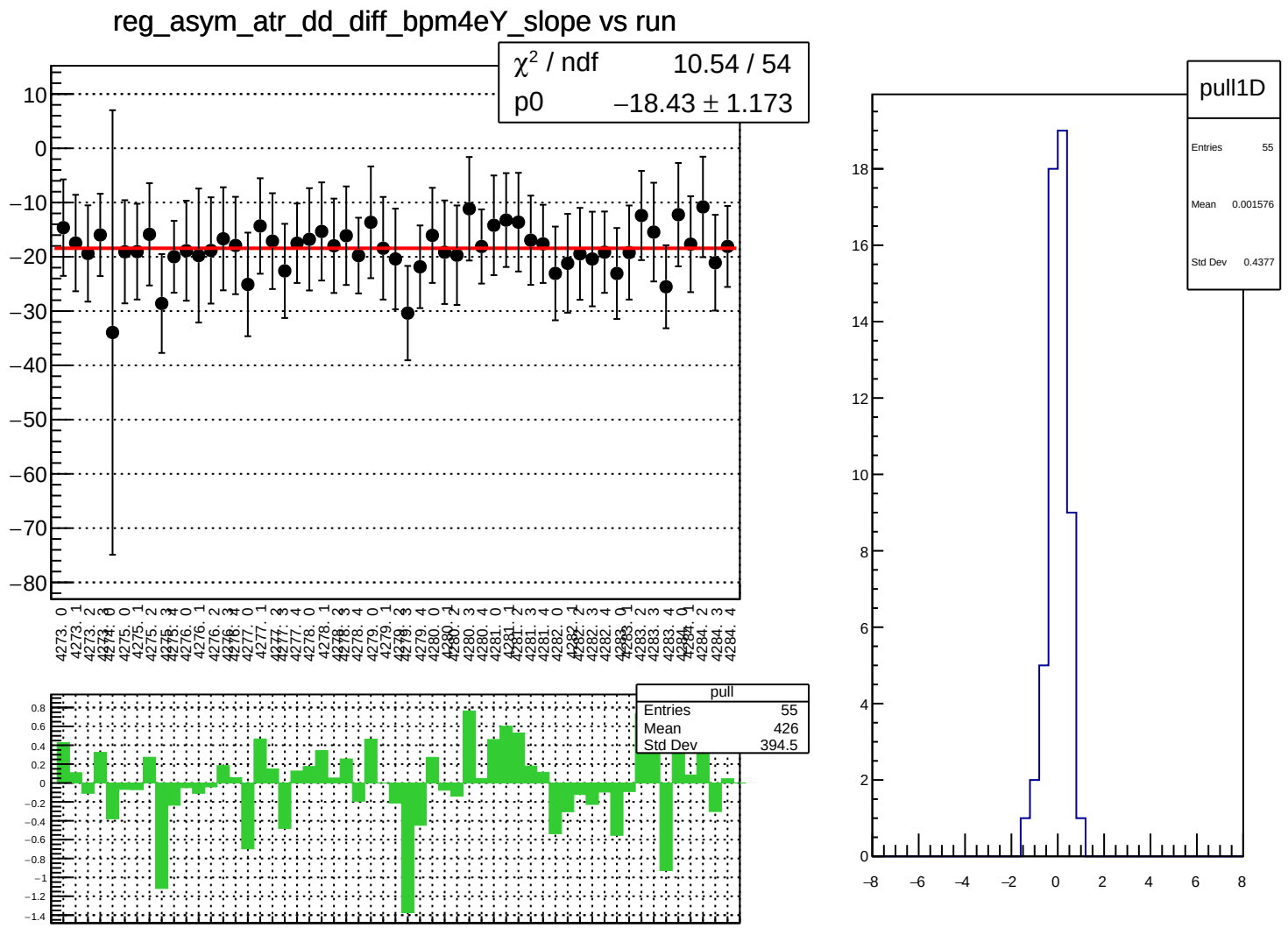

pull1D
Entries 55
Mean 0.01488
Std Dev 0.5058

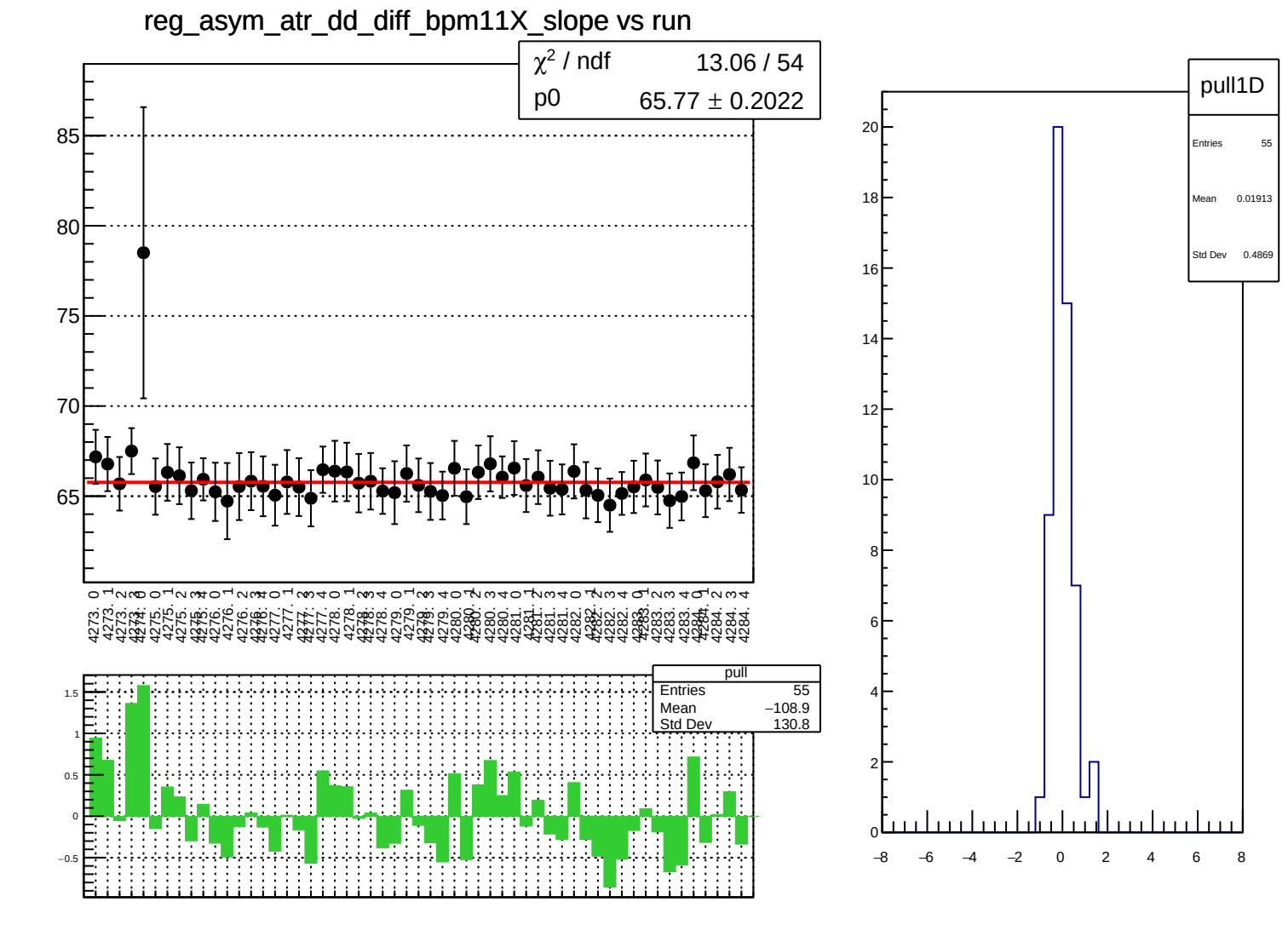

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.822 / 54
p0 56.78 ± 0.9804
pull
Entries 55
Mean −1710
Std Dev 1746

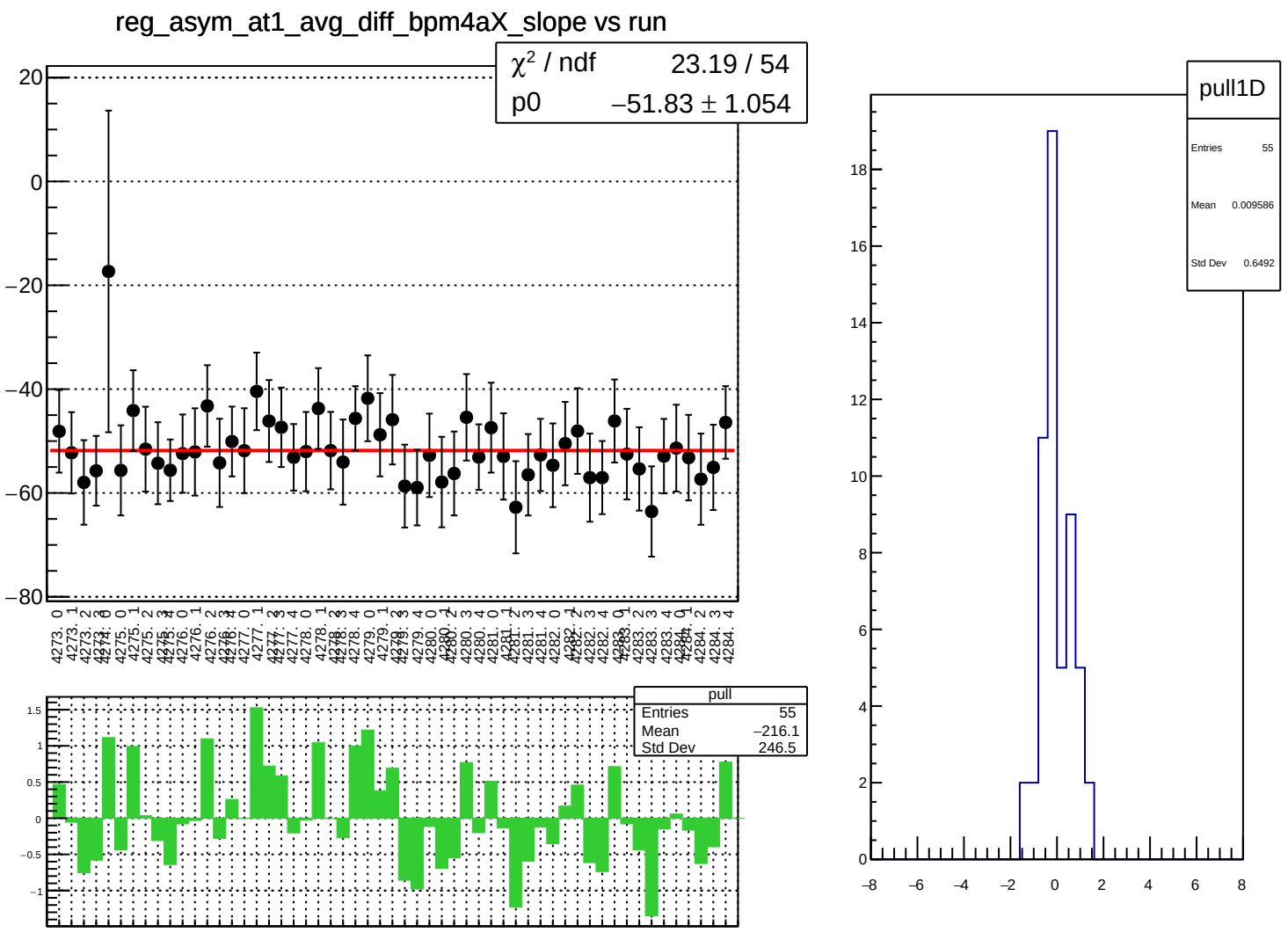

pull1D
Entries 55
Mean 0.0004596
Std Dev 0.3771

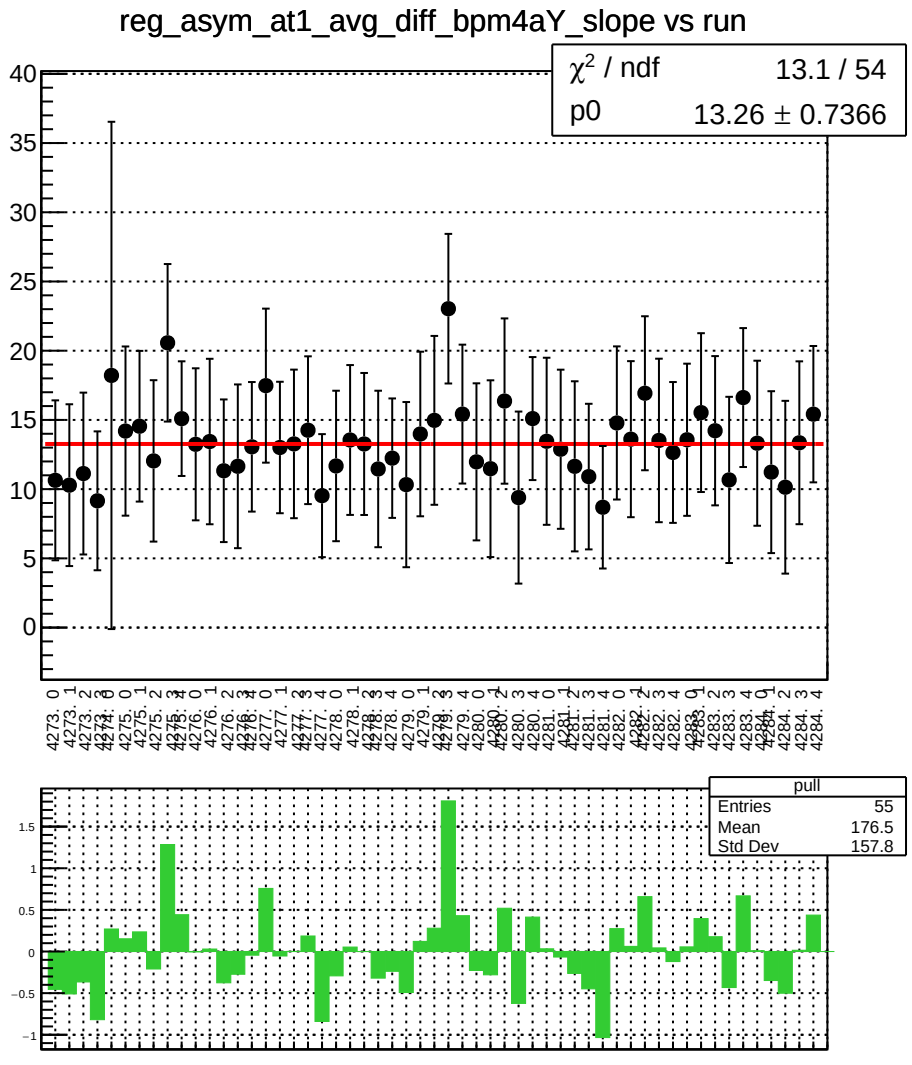

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.23 / 54
p0 −1.397 ± 0.686
pull
Entries 55
Mean 310.8
Std Dev 281.5
pull1D
Entries 55
Mean −0.003048
Std Dev 0.4313

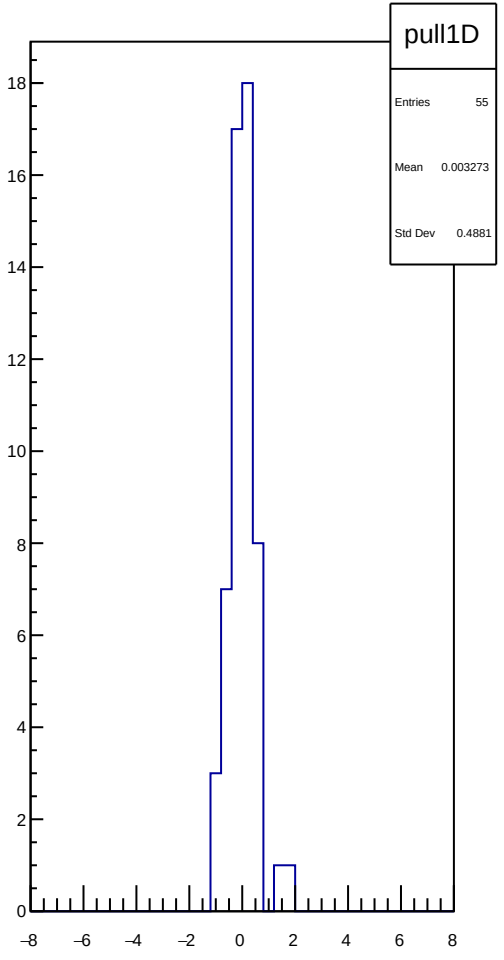

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.56 / 54
p0 −71.7 ± 0.1696
pull
Entries 55
Mean 3635
Std Dev 3618
pull1D
Entries 55
Mean −0.001269
Std Dev 0.6817

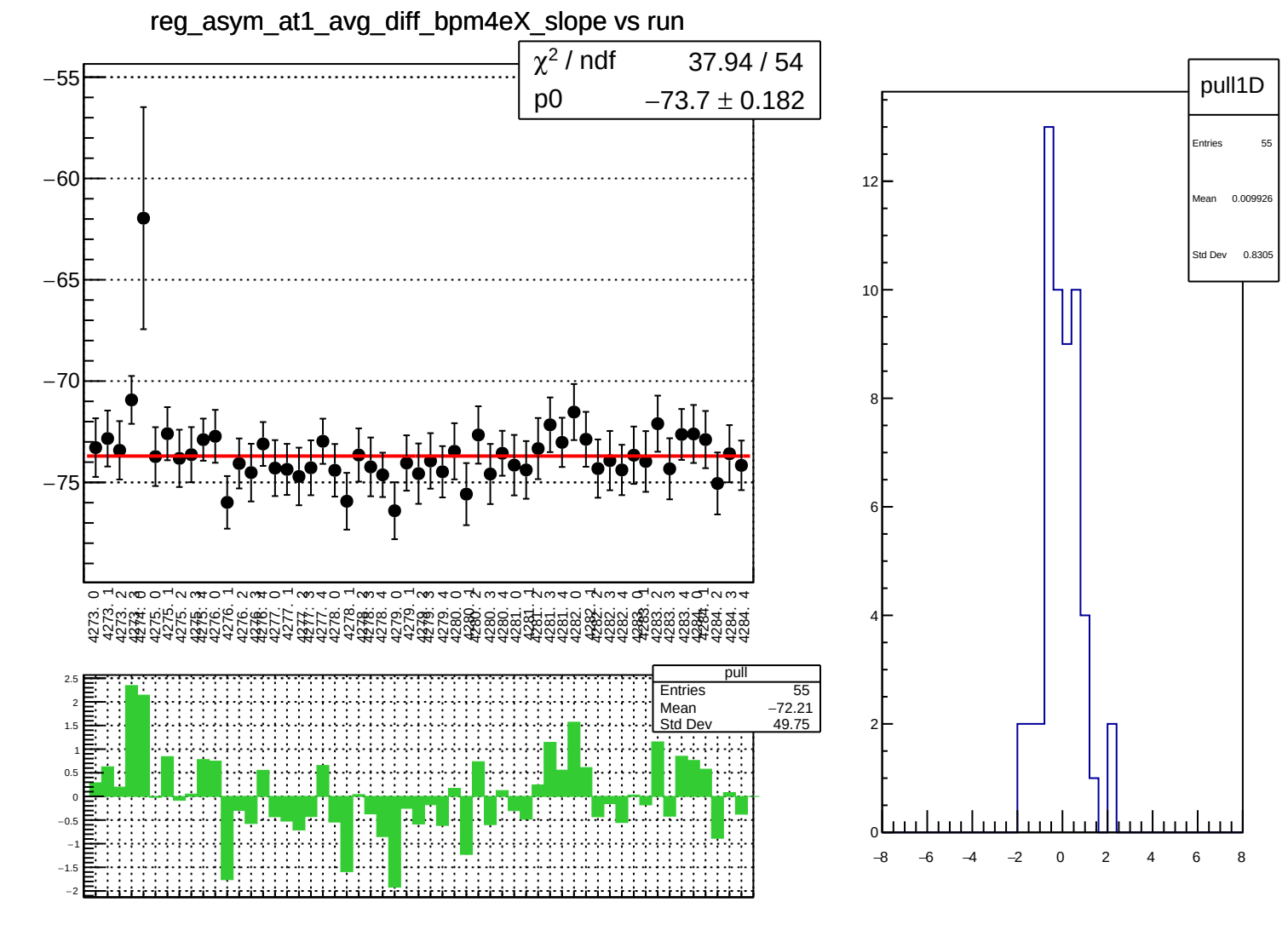

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.54 / 54
p0 −18.43 ± 1.173
pull
Entries 55
Mean 426
Std Dev 394.5
pull1D
Entries 55
Mean 0.001576
Std Dev 0.4377

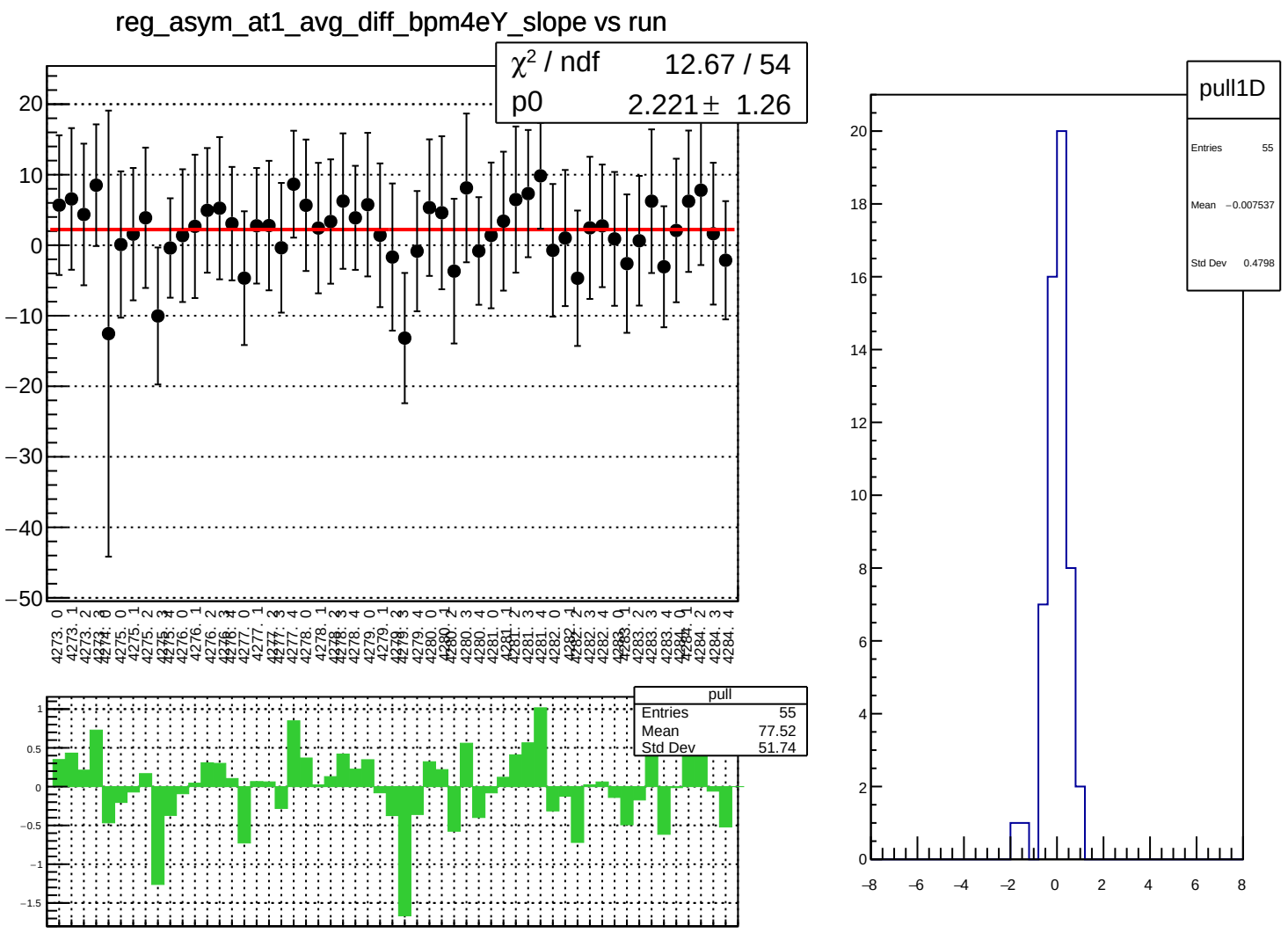

reg_asym_atr_dd_diff_bpm11X_slope vs run
χ² / ndf 13.06 / 54
p0 65.77 ± 0.2022
pull
Entries 55
Mean −108.9
Std Dev 130.8
pull1D
Entries 55
Mean 0.01913
Std Dev 0.4869

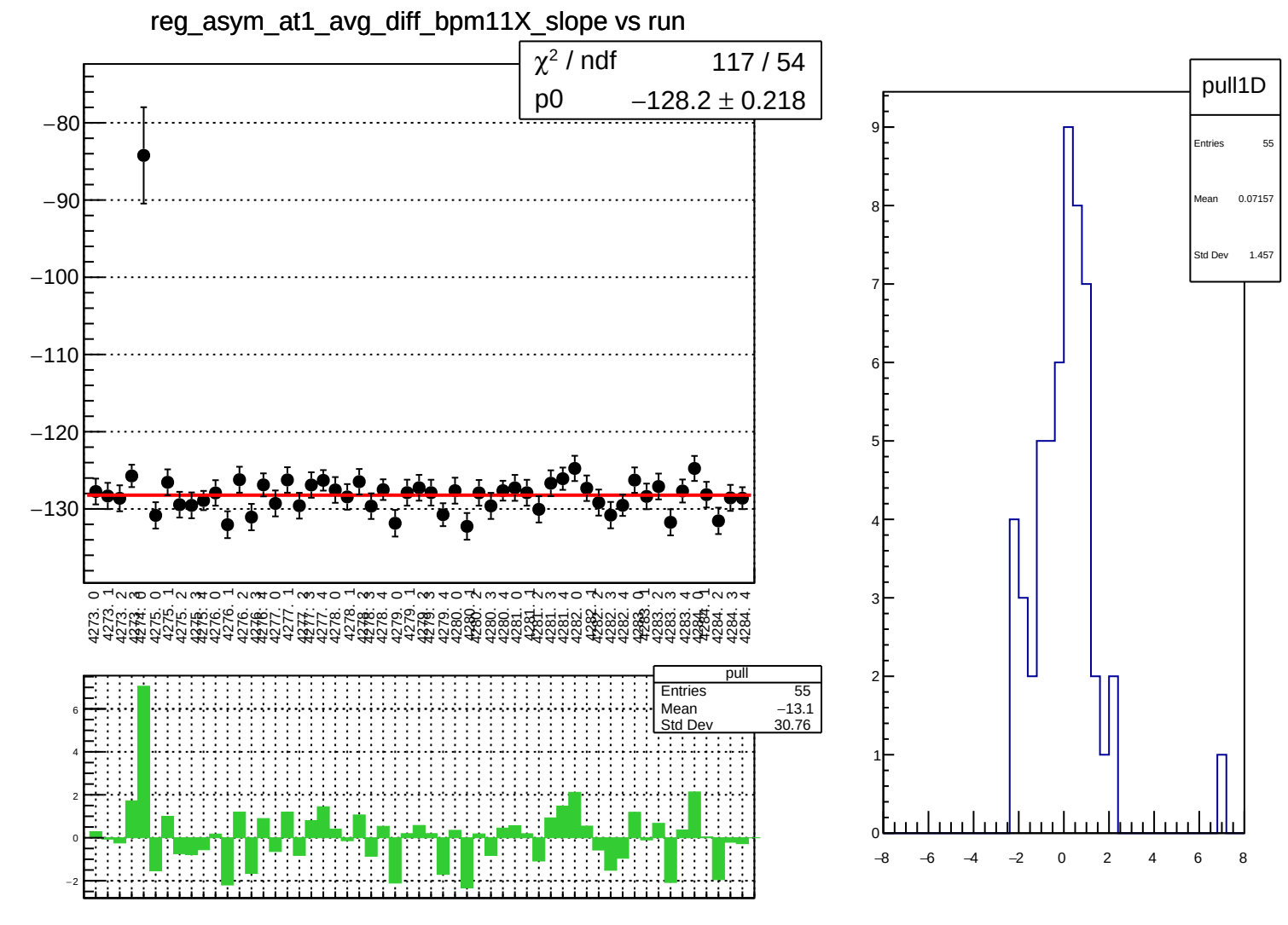

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.19 / 54
p0 −51.83 ± 1.054
pull
Entries 55
Mean −216.1
Std Dev 246.5
pull1D
Entries 55
Mean 0.009586
Std Dev 0.6492

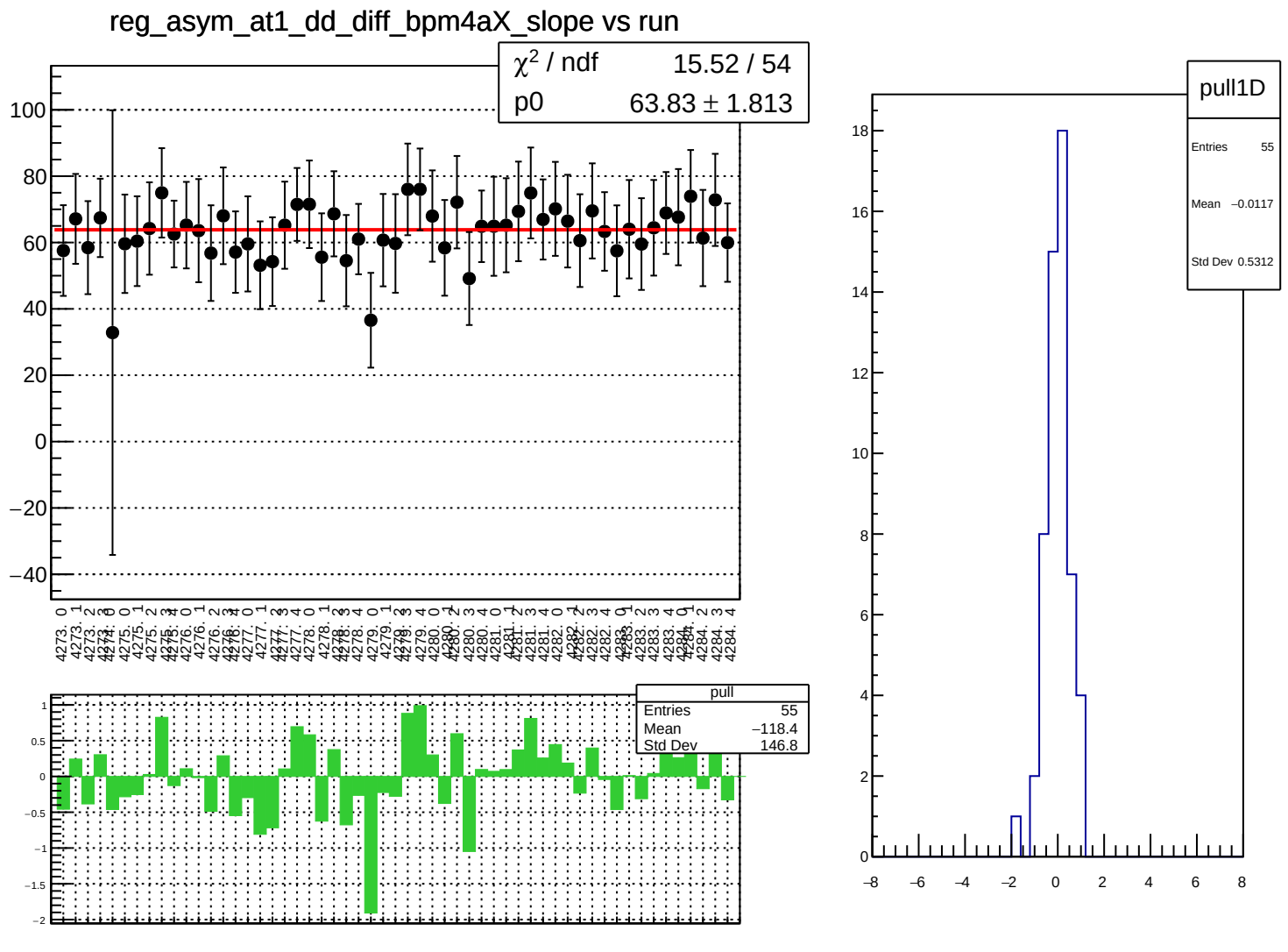

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.1 / 54
p0 13.26 ± 0.7366
pull
Entries 55
Mean 176.5
Std Dev 157.8

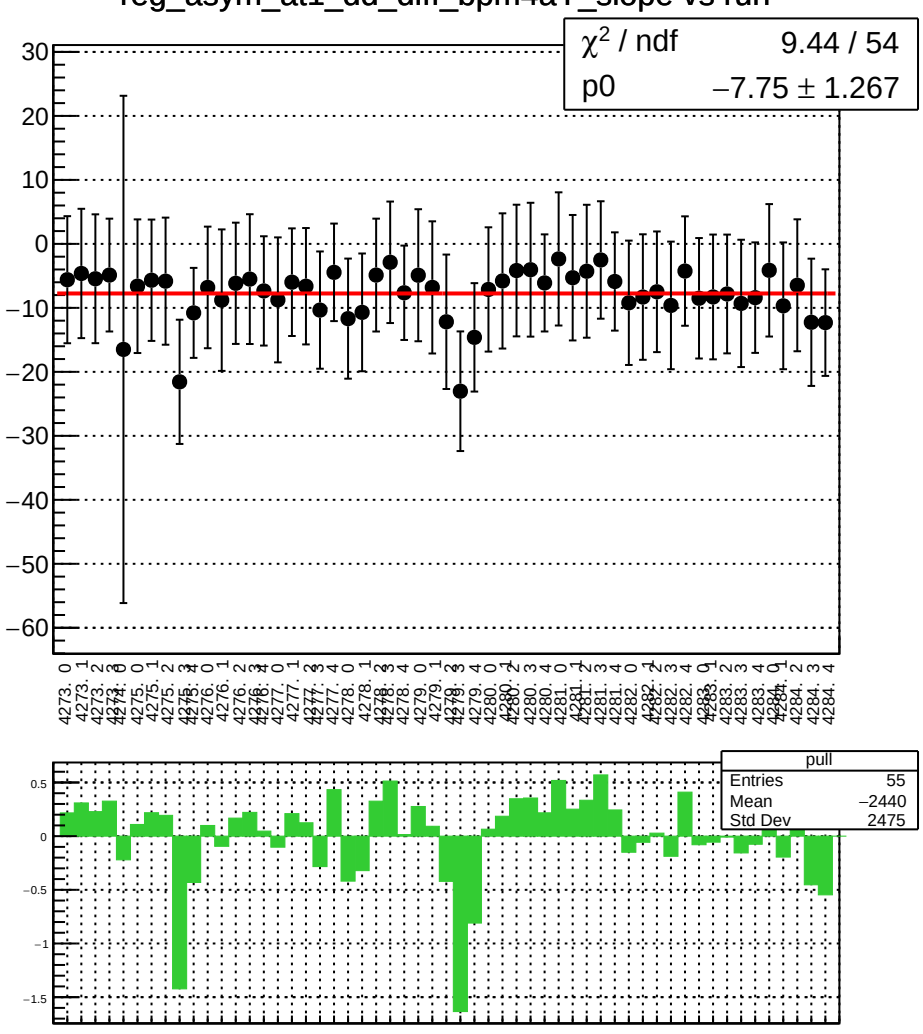

pull1D
Entries 55
Mean 0.003273
Std Dev 0.4881

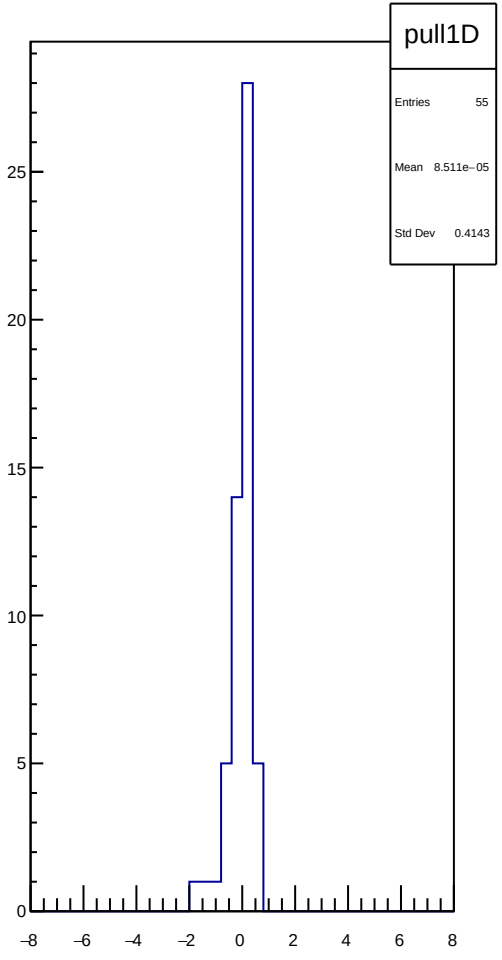

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.94 / 54
p0 −73.7 ± 0.182
pull
Entries 55
Mean −72.21
Std Dev 49.75
pull1D
Entries 55
Mean 0.009926
Std Dev 0.8305

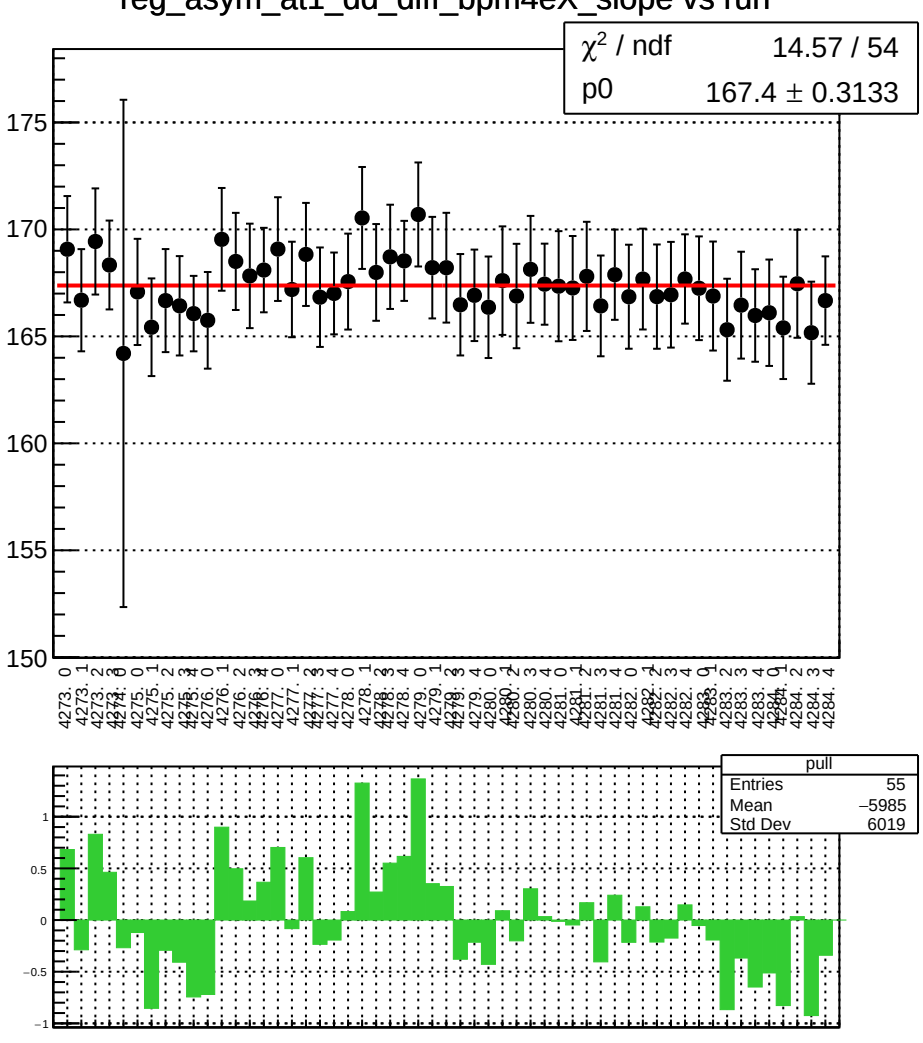

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.67 / 54
p0 2.221 ± 1.26
pull
Entries 55
Mean 77.52
Std Dev 51.74
pull1D
Entries 55
Mean −0.007537
Std Dev 0.4798

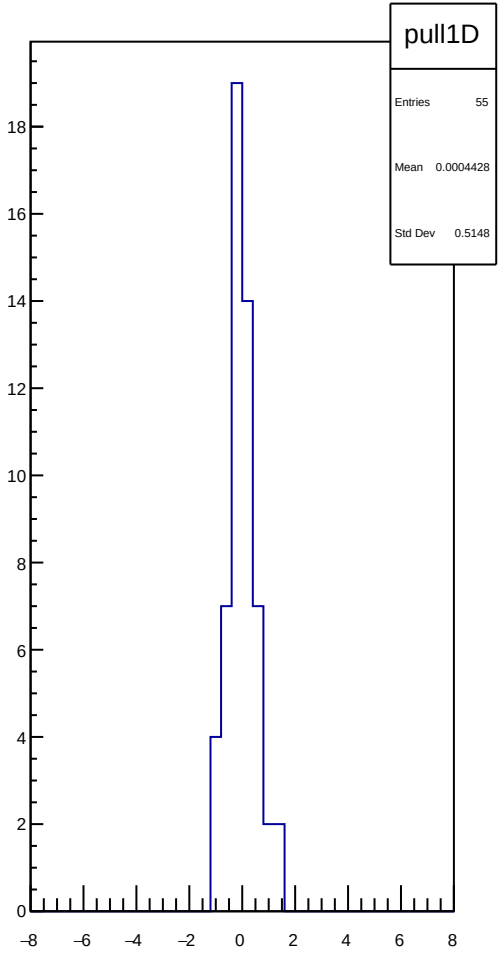

reg_asym_at1_avg_diff_bpm11X_slope vs run
χ² / ndf 117 / 54
p0 −128.2 ± 0.218
pull
Entries 55
Mean −13.1
Std Dev 30.76
pull1D
Entries 55
Mean 0.07157
Std Dev 1.457

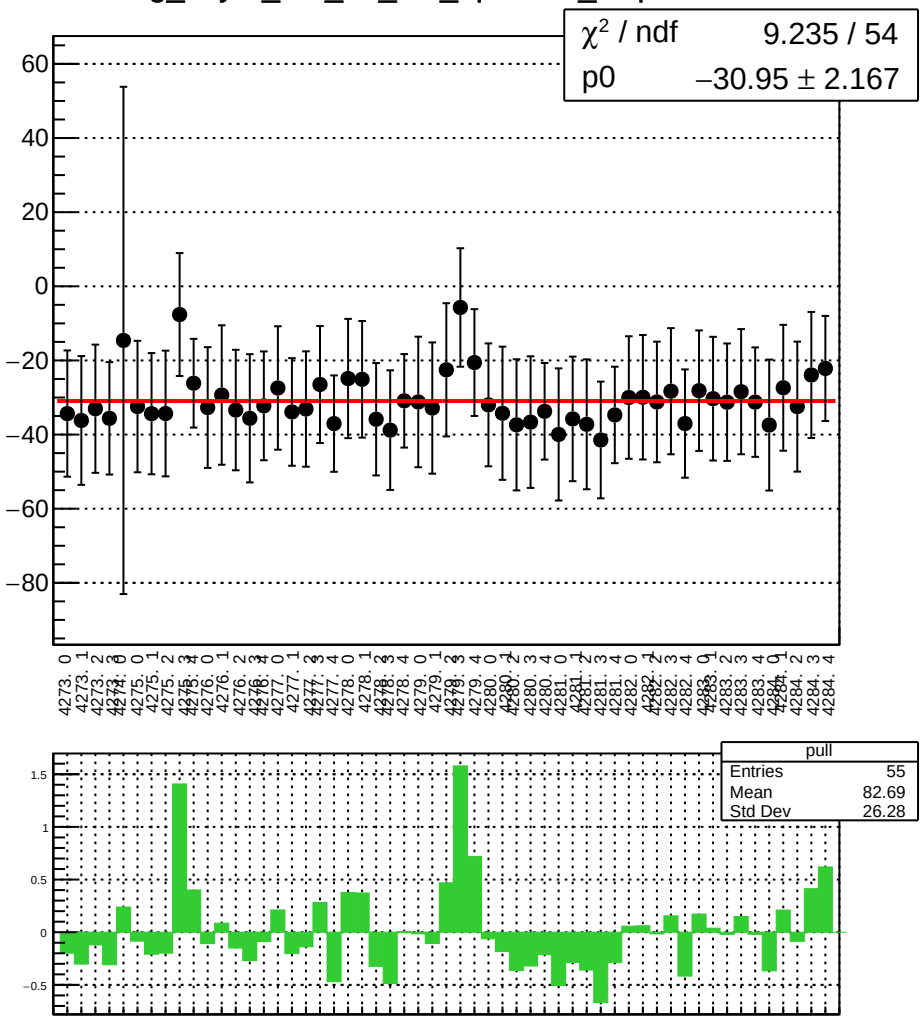

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 15.52 / 54
p0 63.83 ± 1.813
pull
Entries 55
Mean −118.4
Std Dev 146.8
pull1D
Entries 55
Mean −0.0117
Std Dev 0.5312

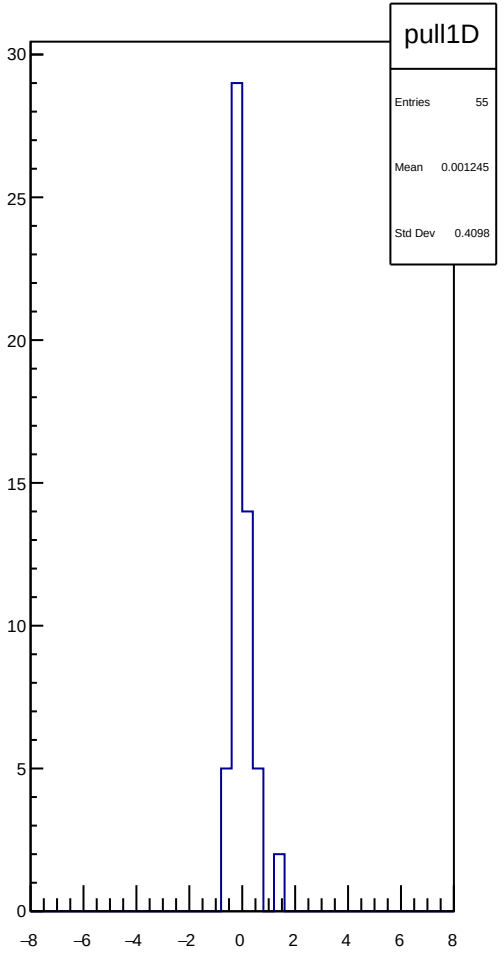

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.44 / 54
p0 −7.75 ± 1.267
pull
Entries 55
Mean −2440
Std Dev 2475

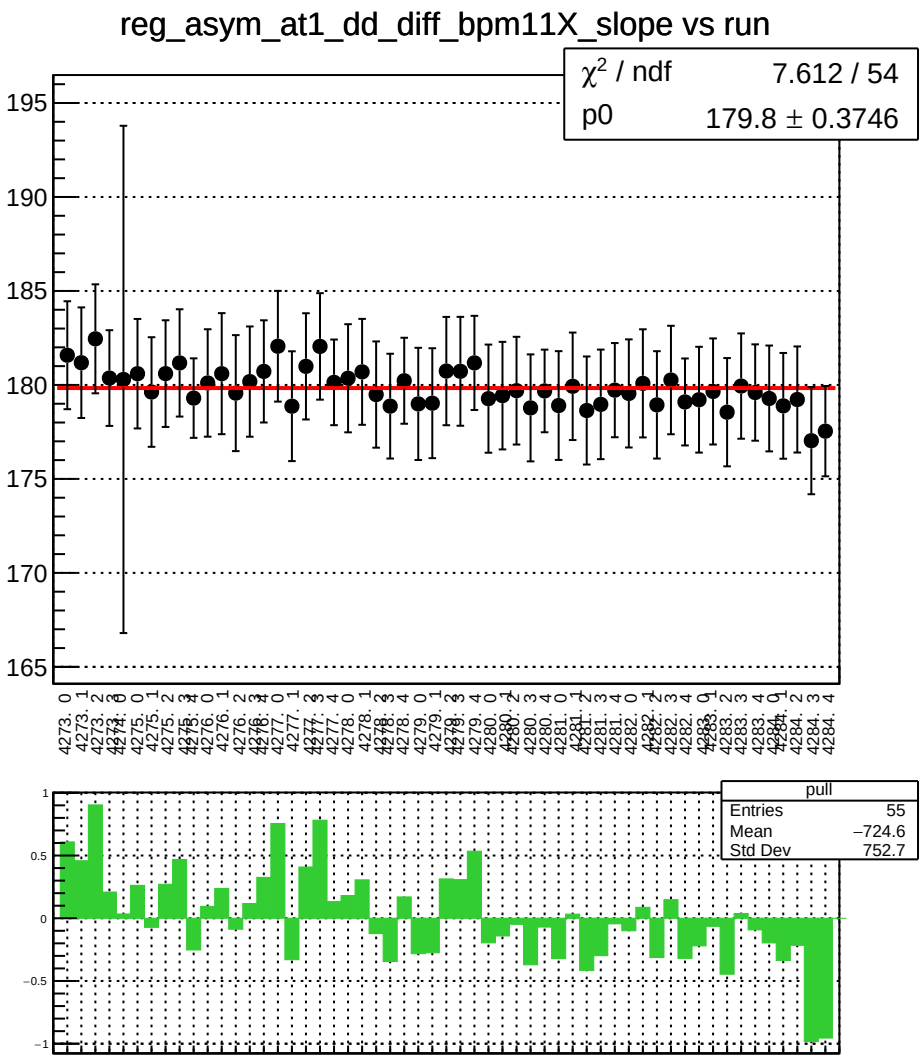

pull1D
Entries 55
Mean 8.511e−05
Std Dev 0.4143

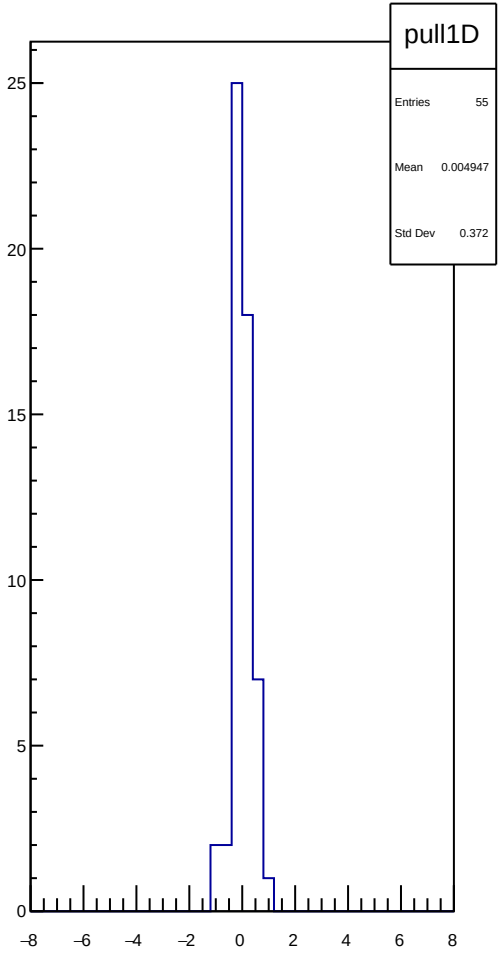

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.57 / 54
p0 167.4 ± 0.3133
pull
Entries 55
Mean −5985
Std Dev 6019

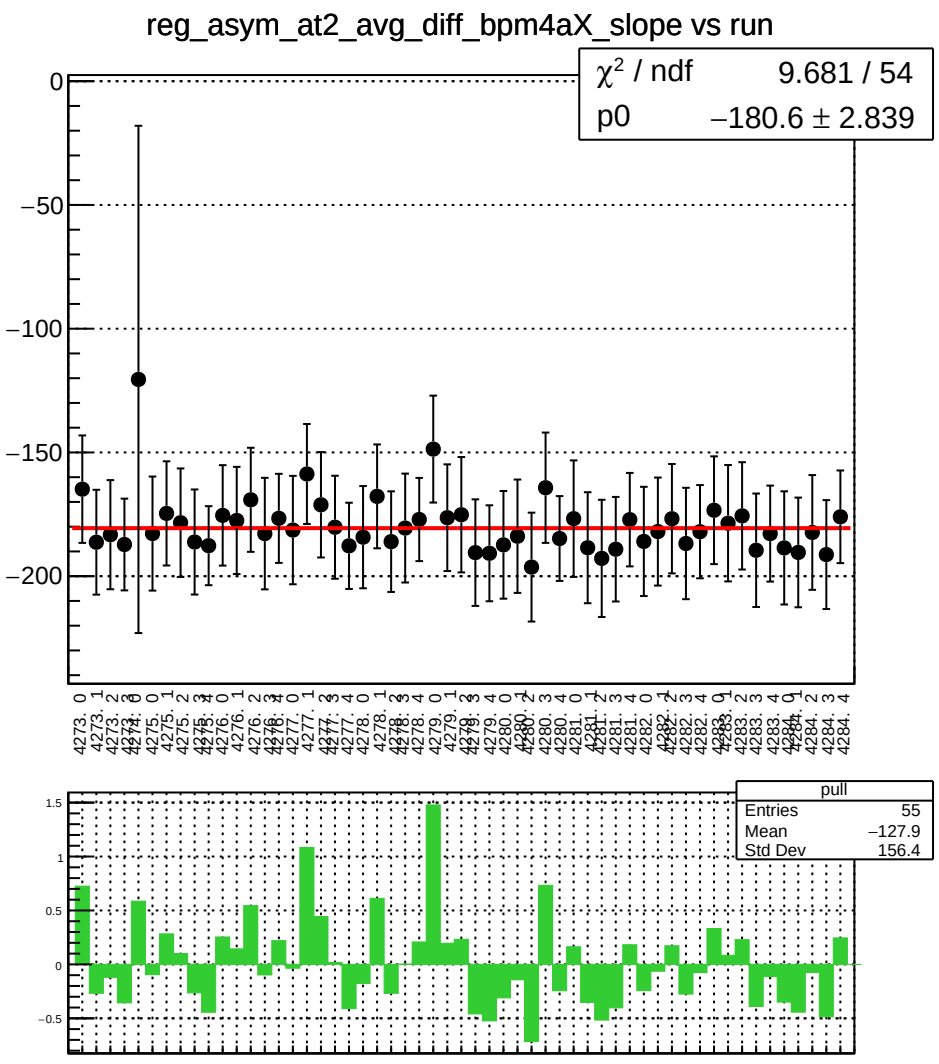

pull1D
Entries 55
Mean 0.0004428
Std Dev 0.5148

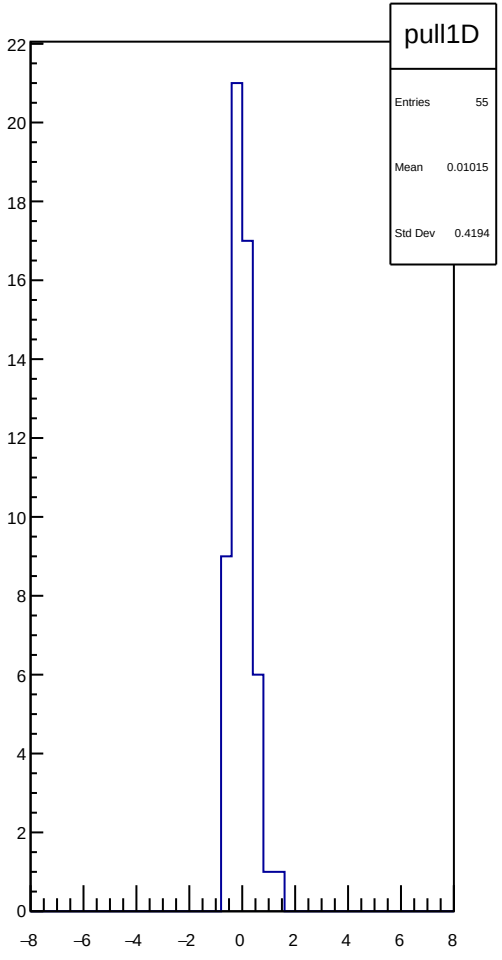

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.235 / 54
p0 −30.95 ± 2.167
pull
Entries 55
Mean 82.69
Std Dev 26.28

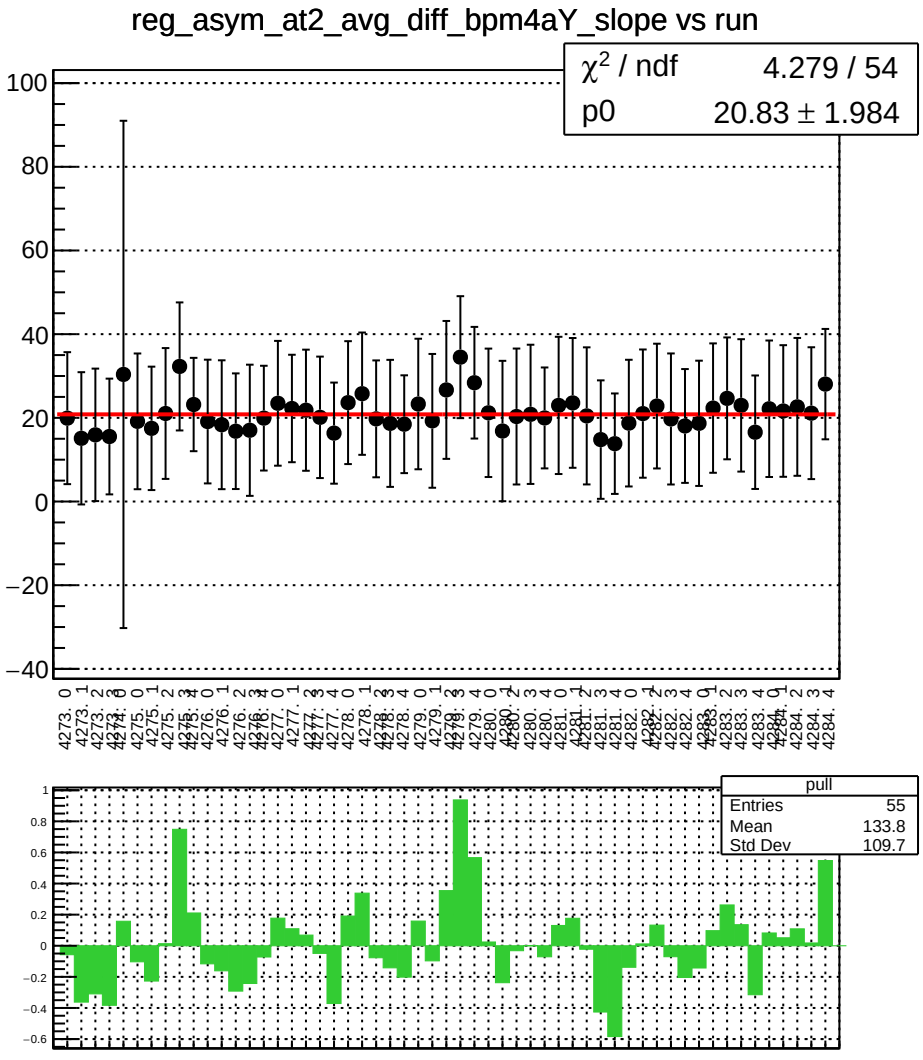

pull1D
Entries 55
Mean 0.001245
Std Dev 0.4098

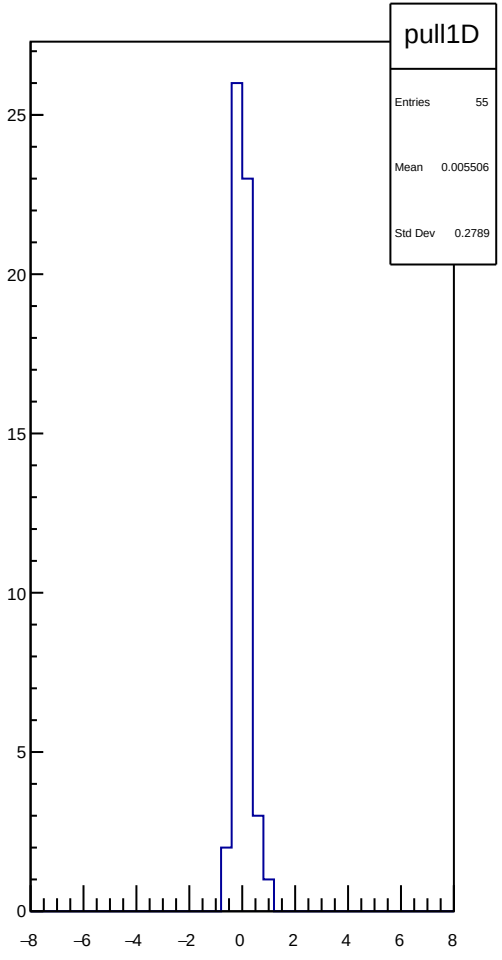

reg_asym_at1_dd_diff_bpm11X_slope vs run
χ² / ndf 7.612 / 54
p0 179.8 ± 0.3746
pull
Entries 55
Mean −724.6
Std Dev 752.7

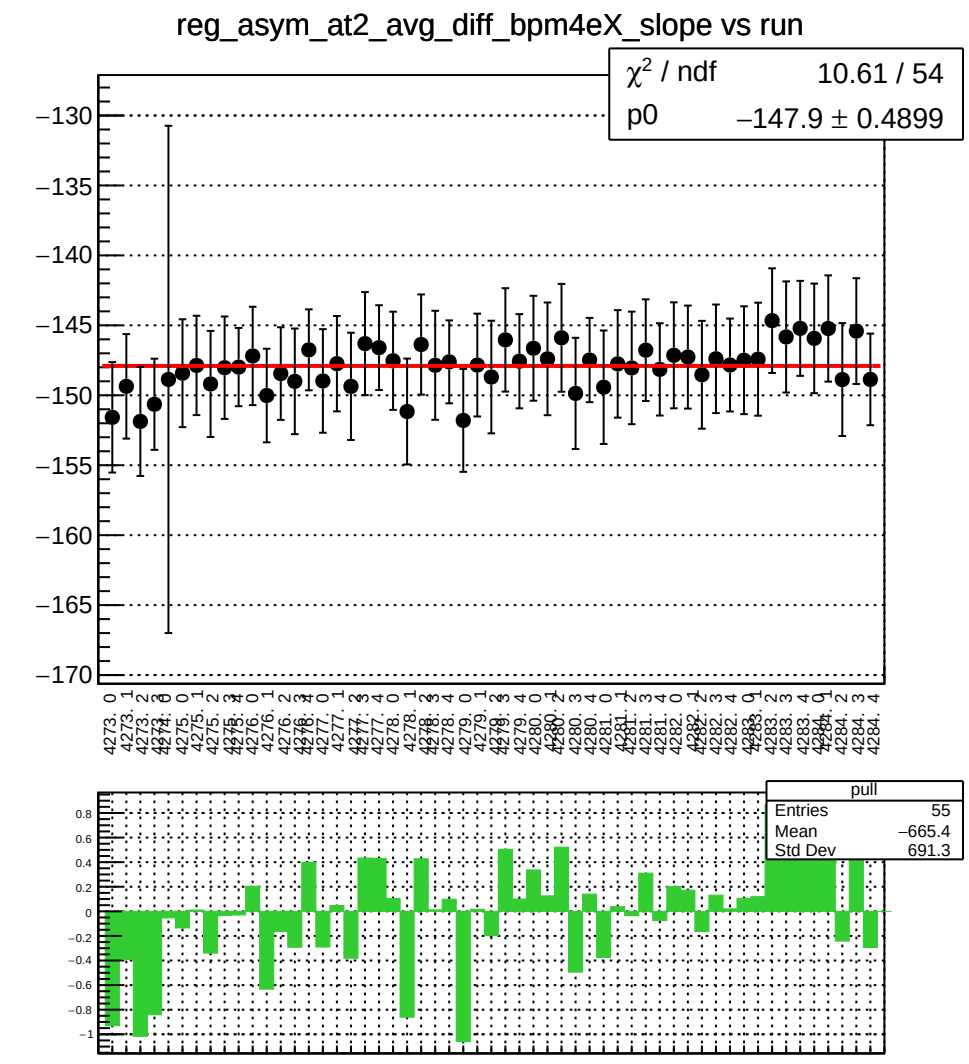

pull1D
Entries 55
Mean 0.004947
Std Dev 0.372

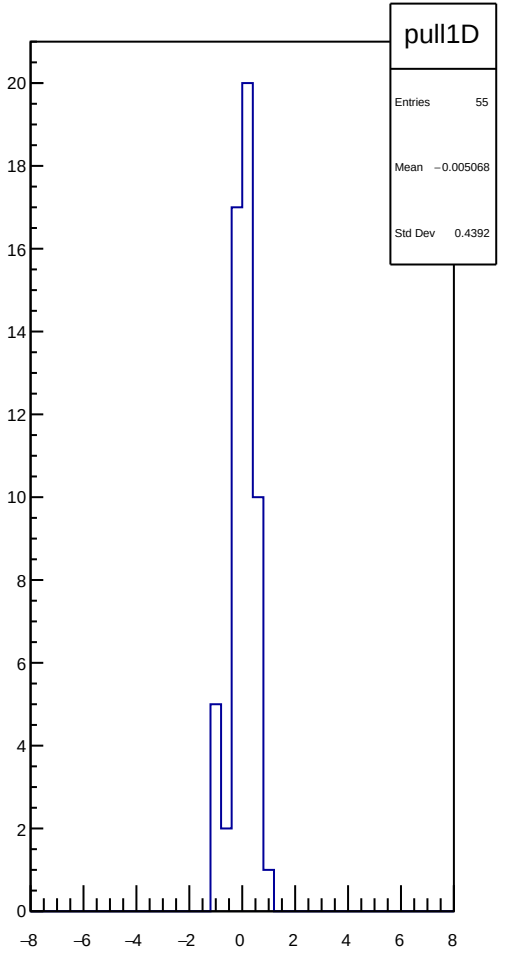

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 9.681 / 54
p0 −180.6 ± 2.839
pull
Entries 55
Mean −127.9
Std Dev 156.4

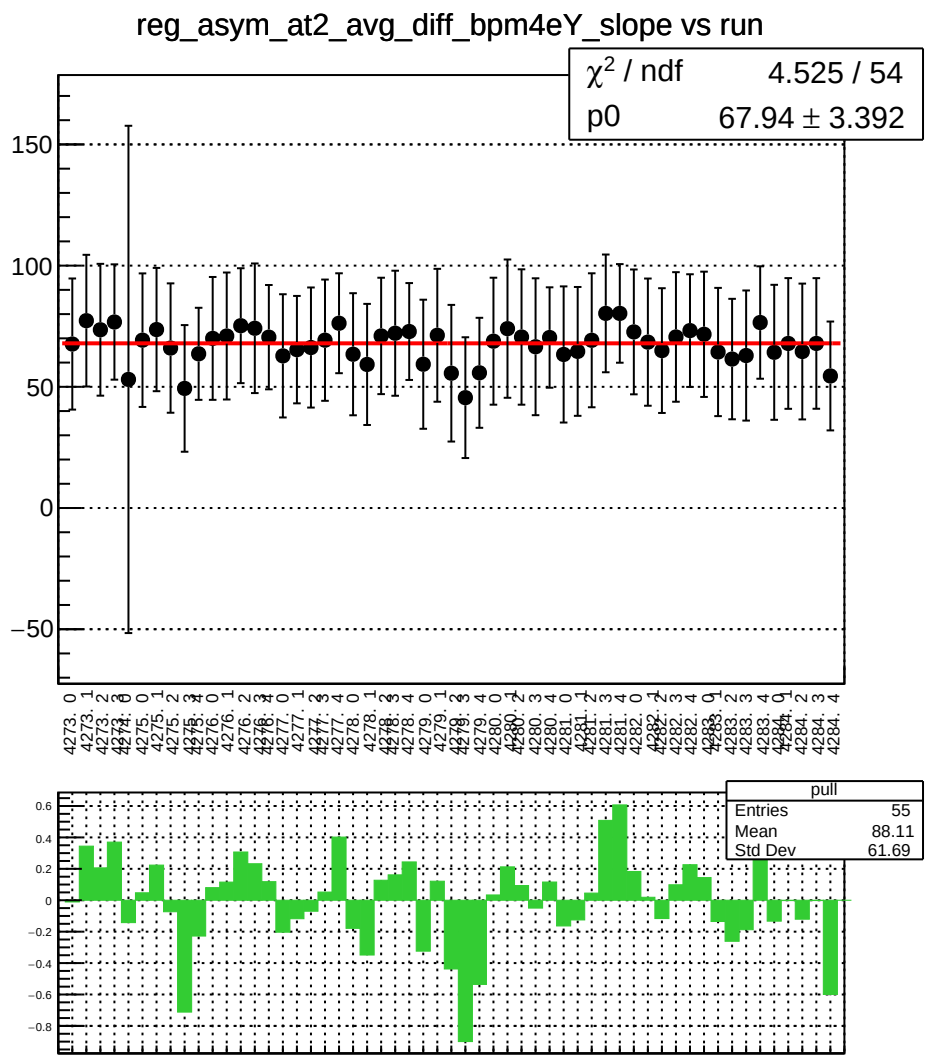

pull1D
Entries 55
Mean 0.01015
Std Dev 0.4194

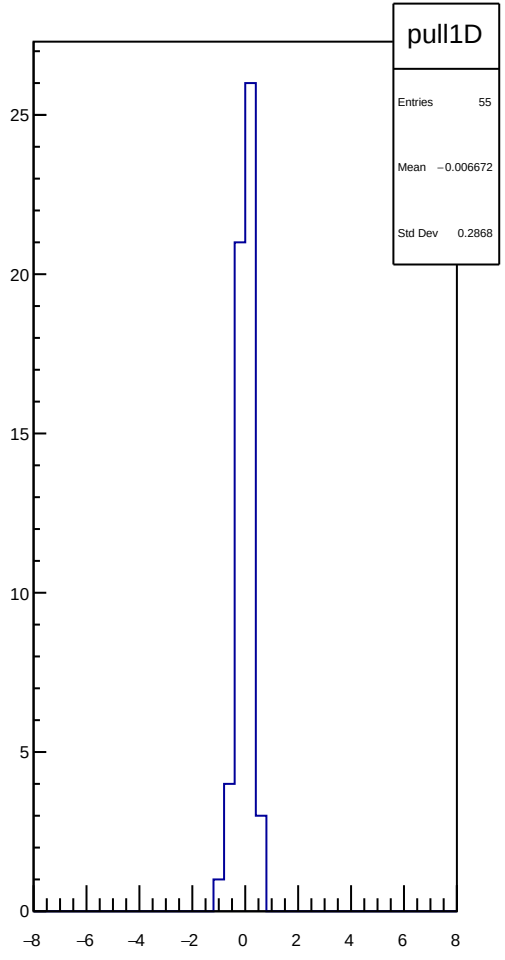

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.279 / 54
p0 20.83 ± 1.984
pull
Entries 55
Mean 133.8
Std Dev 109.7

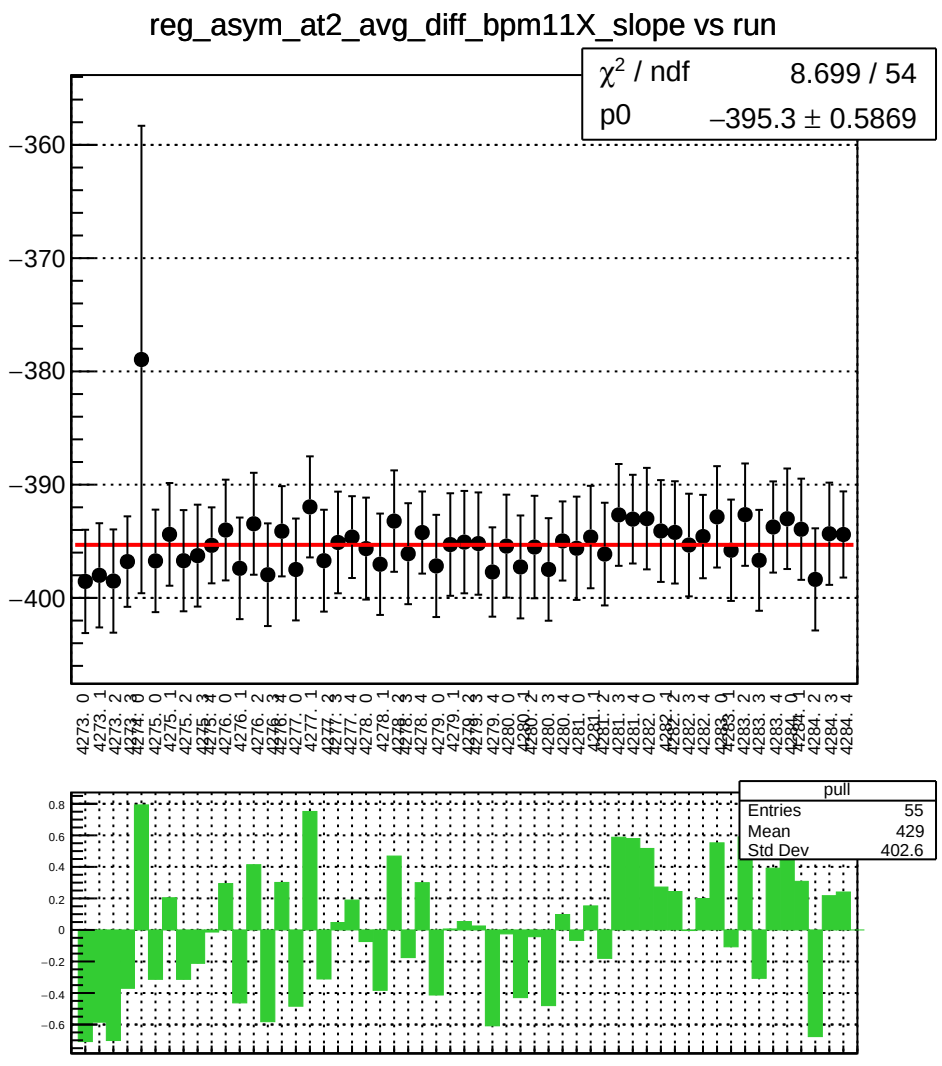

pull1D
Entries 55
Mean 0.005506
Std Dev 0.2789

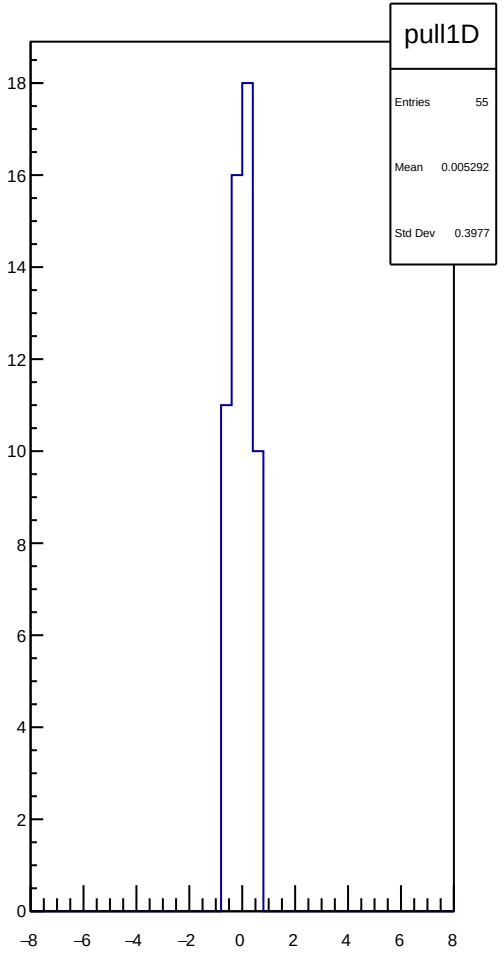

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.61 / 54
p0 −147.9 ± 0.4899
pull
Entries 55
Mean −665.4
Std Dev 691.3

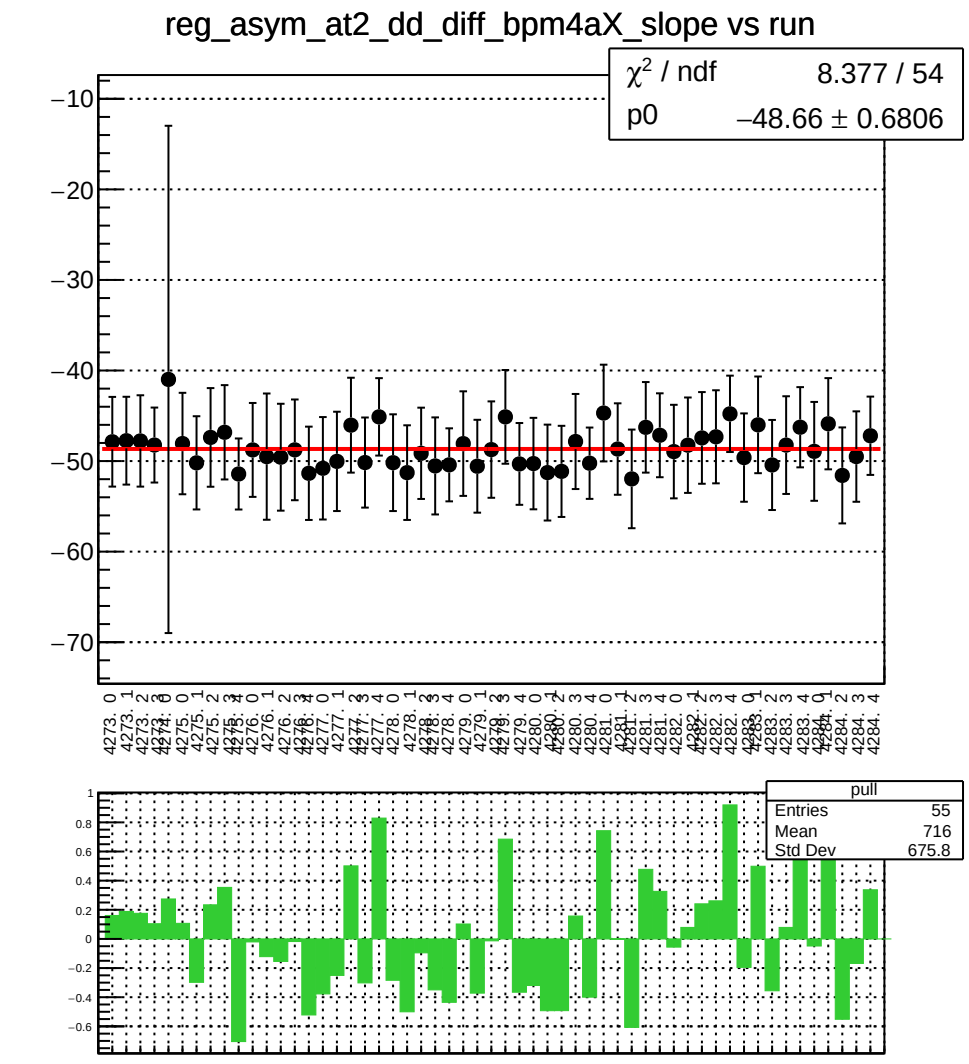

pull1D
Entries 55
Mean −0.005068
Std Dev 0.4392

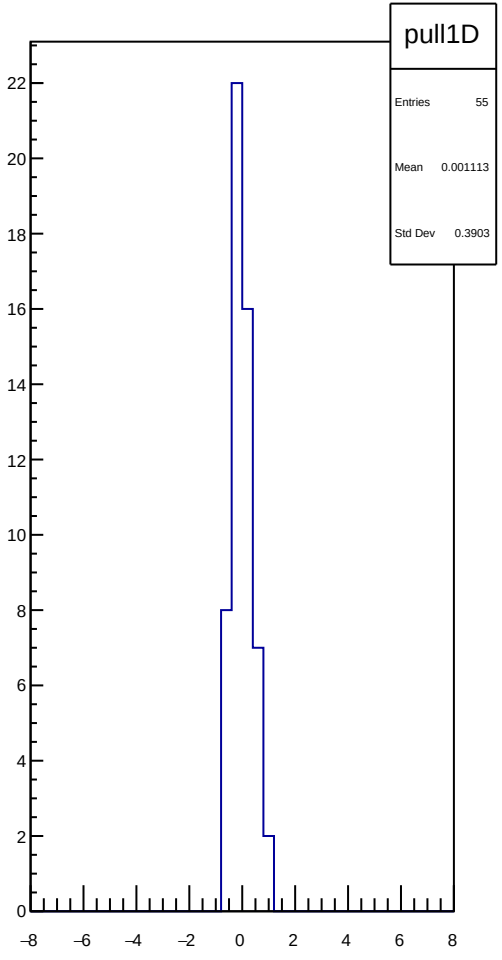

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.525 / 54
p0 67.94 ± 3.392
150
100
50
0
−50
pull
Entries 55
Mean 88.11
Std Dev 61.69
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

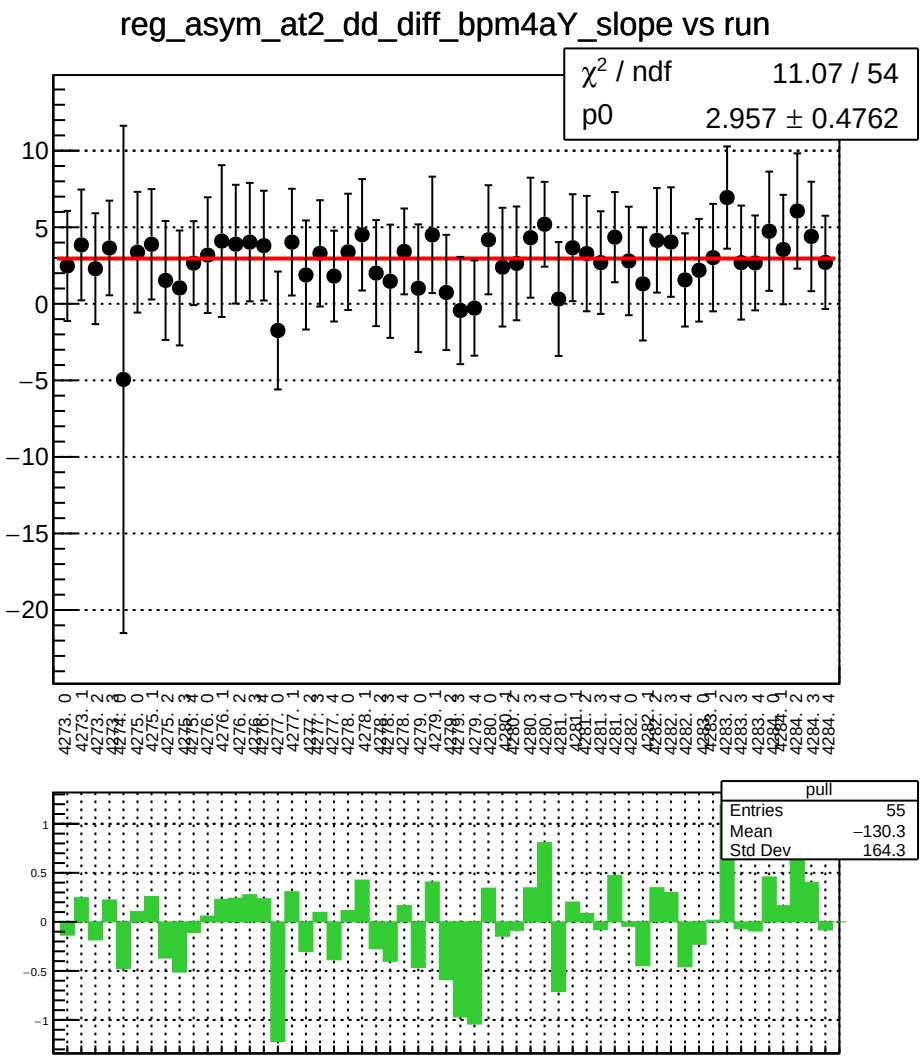

pull1D
Entries 55
Mean −0.006672
Std Dev 0.2868
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

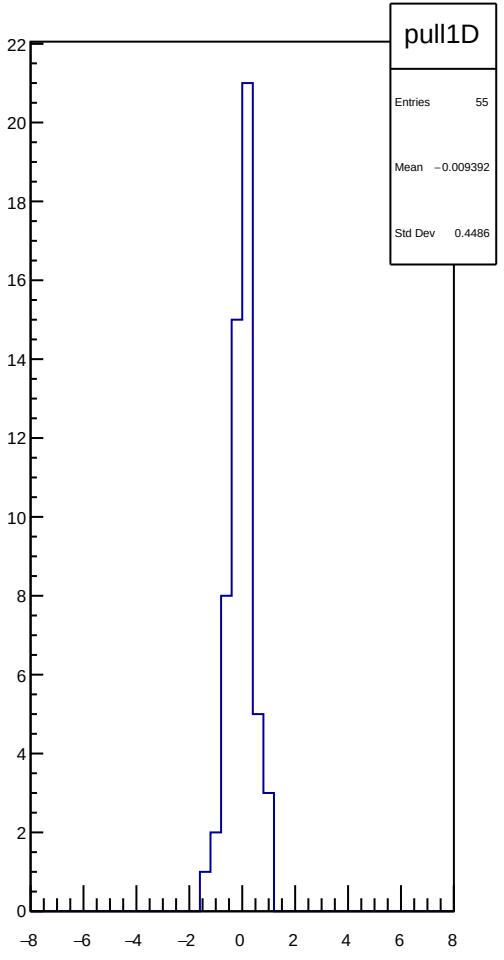

reg_asym_at2_avg_diff_bpm11X_slope vs run
χ² / ndf 8.699 / 54
p0 −395.3 ± 0.5869
pull
Entries 55
Mean 429
Std Dev 402.6

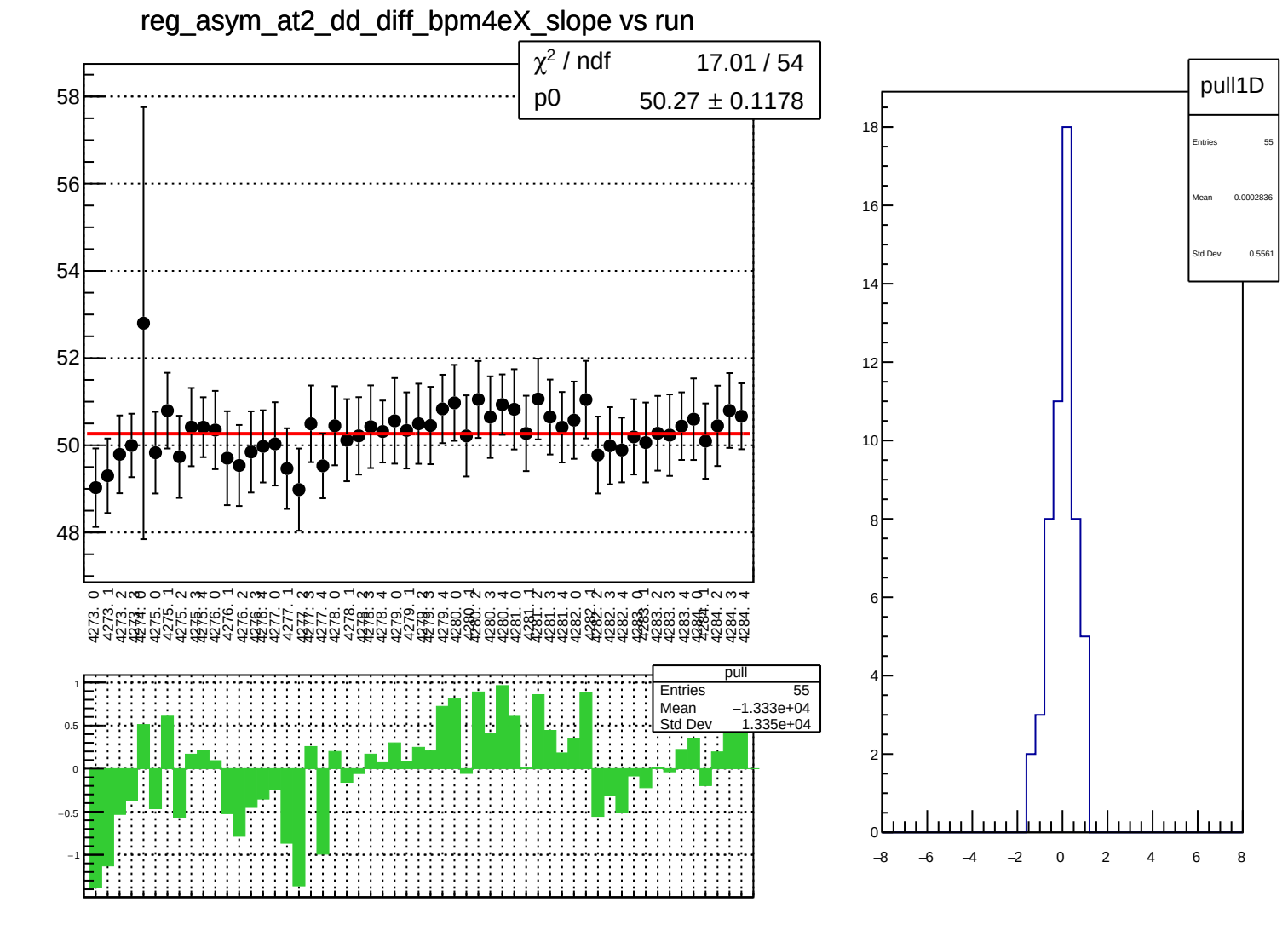

pull1D
Entries 55
Mean 0.005292
Std Dev 0.3977

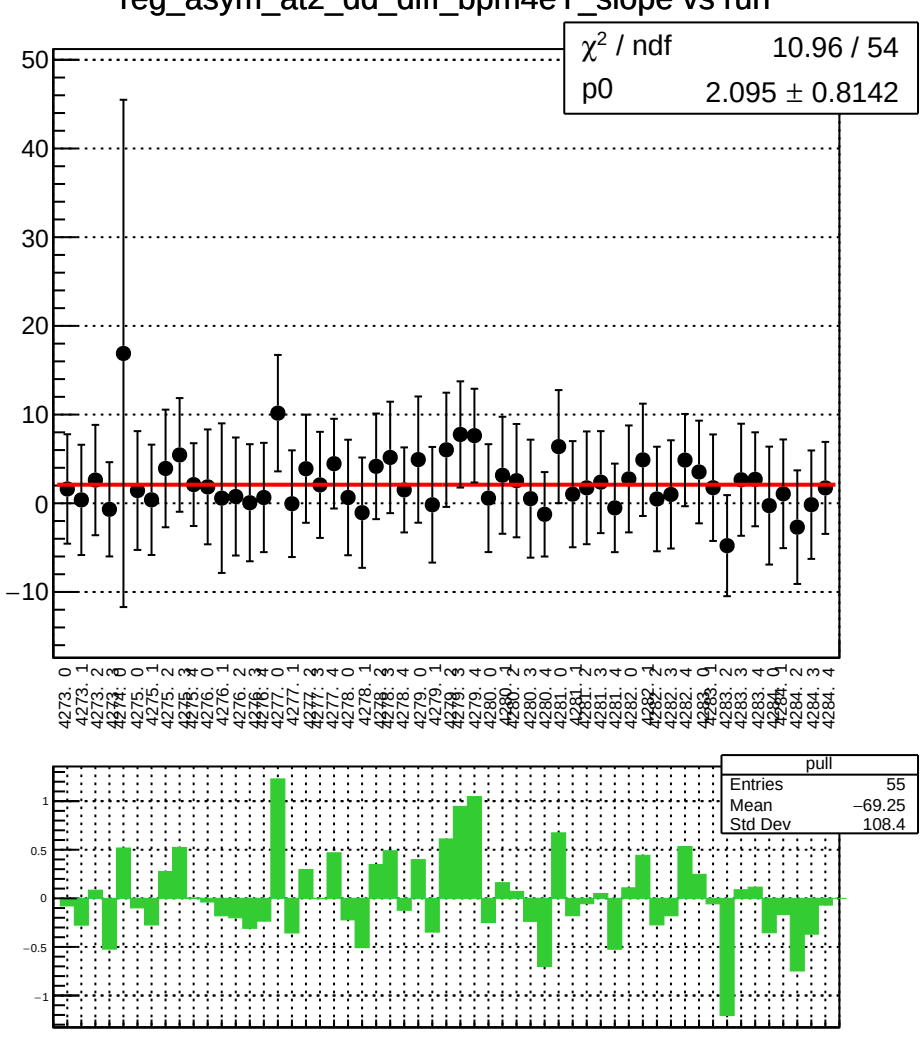

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 8.377 / 54
p0 −48.66 ± 0.6806
pull
Entries 55
Mean 716
Std Dev 675.8

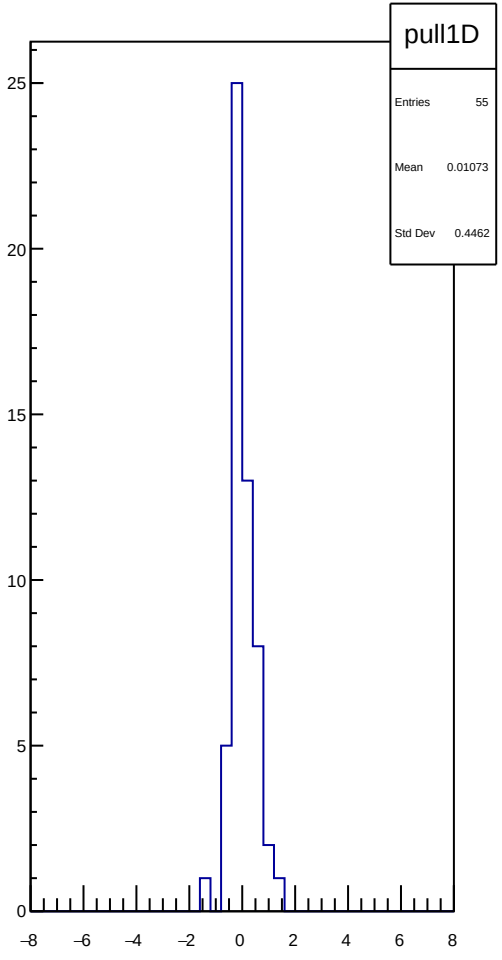

pull1D
Entries 55
Mean 0.001113
Std Dev 0.3903

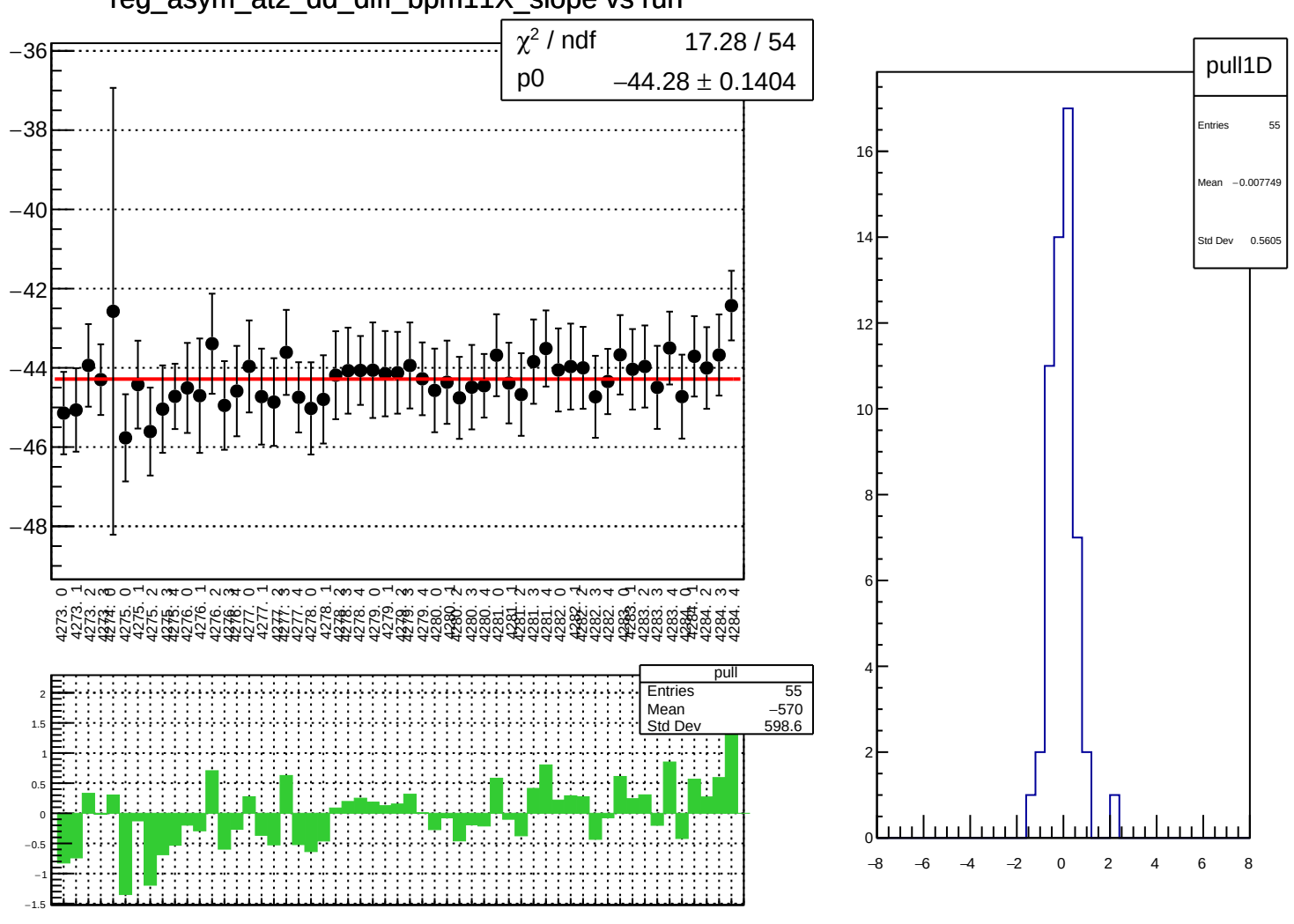

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.07 / 54
p0 2.957 ± 0.4762
pull
Entries 55
Mean −130.3
Std Dev 164.3

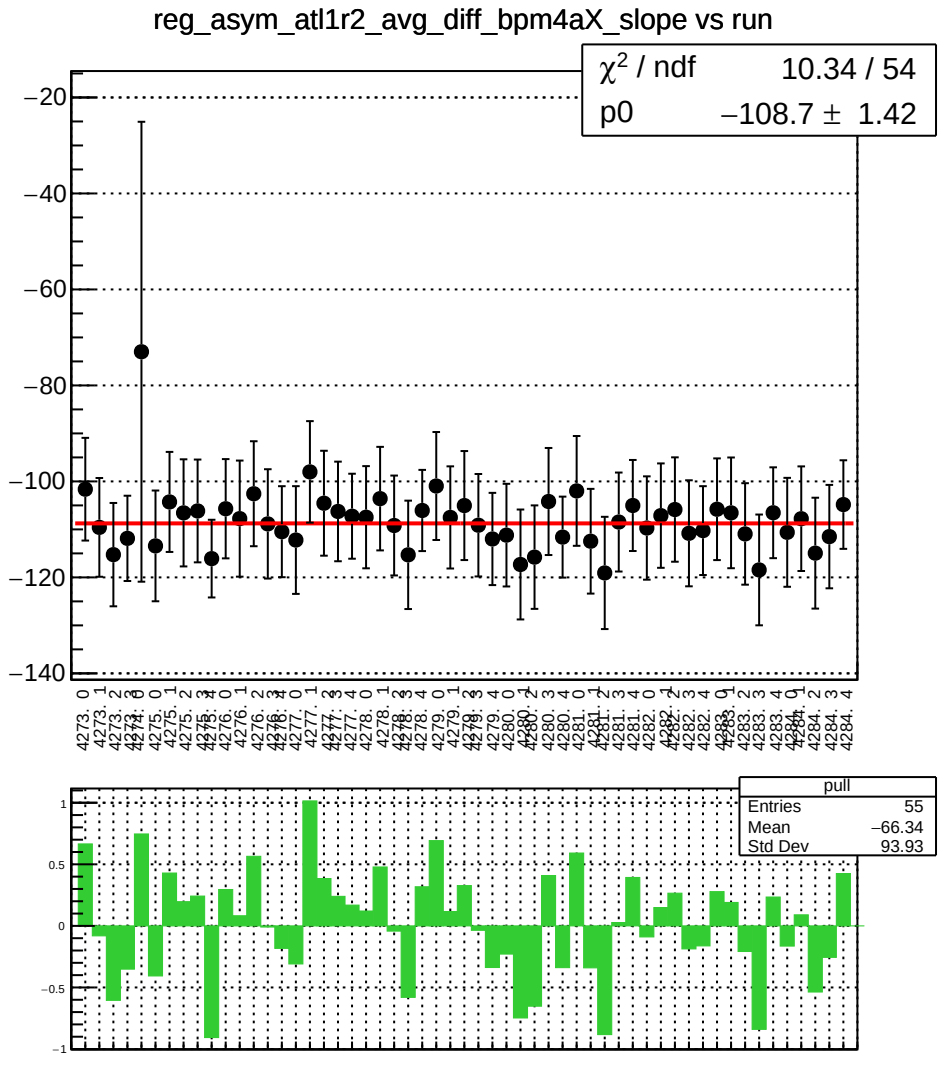

pull1D
Entries 55
Mean −0.009392
Std Dev 0.4486

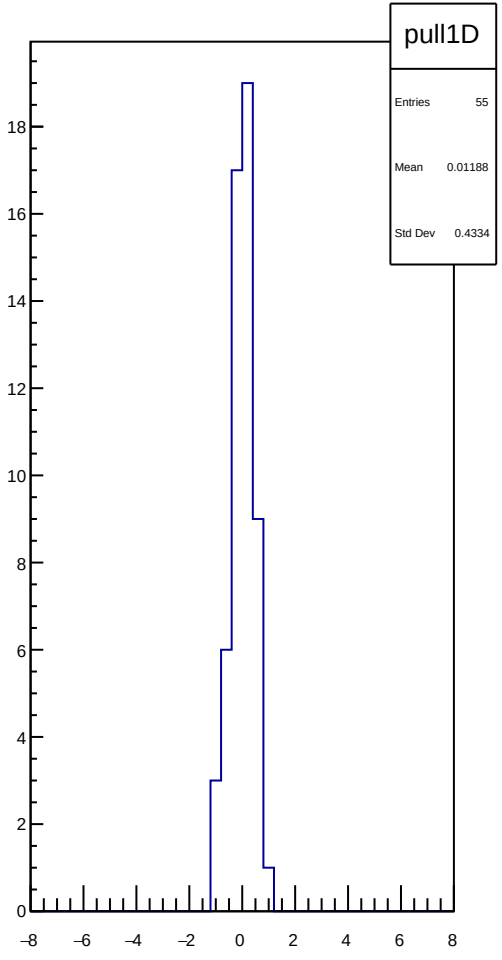

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.01 / 54
p0 50.27 ± 0.1178
pull
Entries 55
Mean −1.333e+04
Std Dev 1.335e+04
pull1D
Entries 55
Mean −0.0002836
Std Dev 0.5561

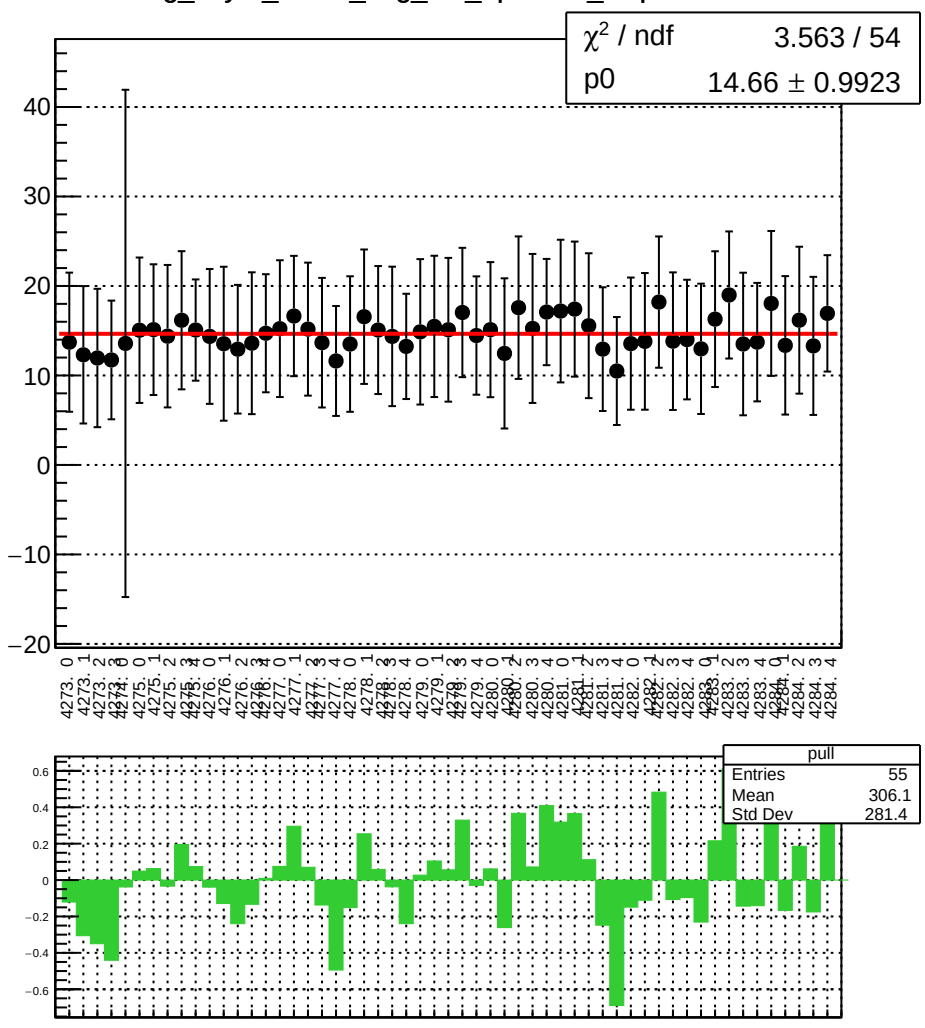

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.96 / 54
p0 2.095 ± 0.8142
pull
Entries 55
Mean −69.25
Std Dev 108.4

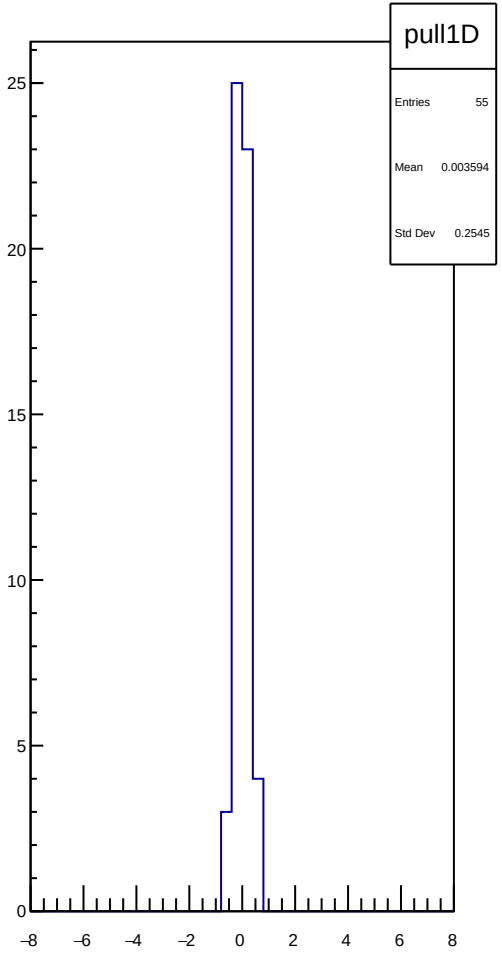

pull1D
Entries 55
Mean 0.01073
Std Dev 0.4462

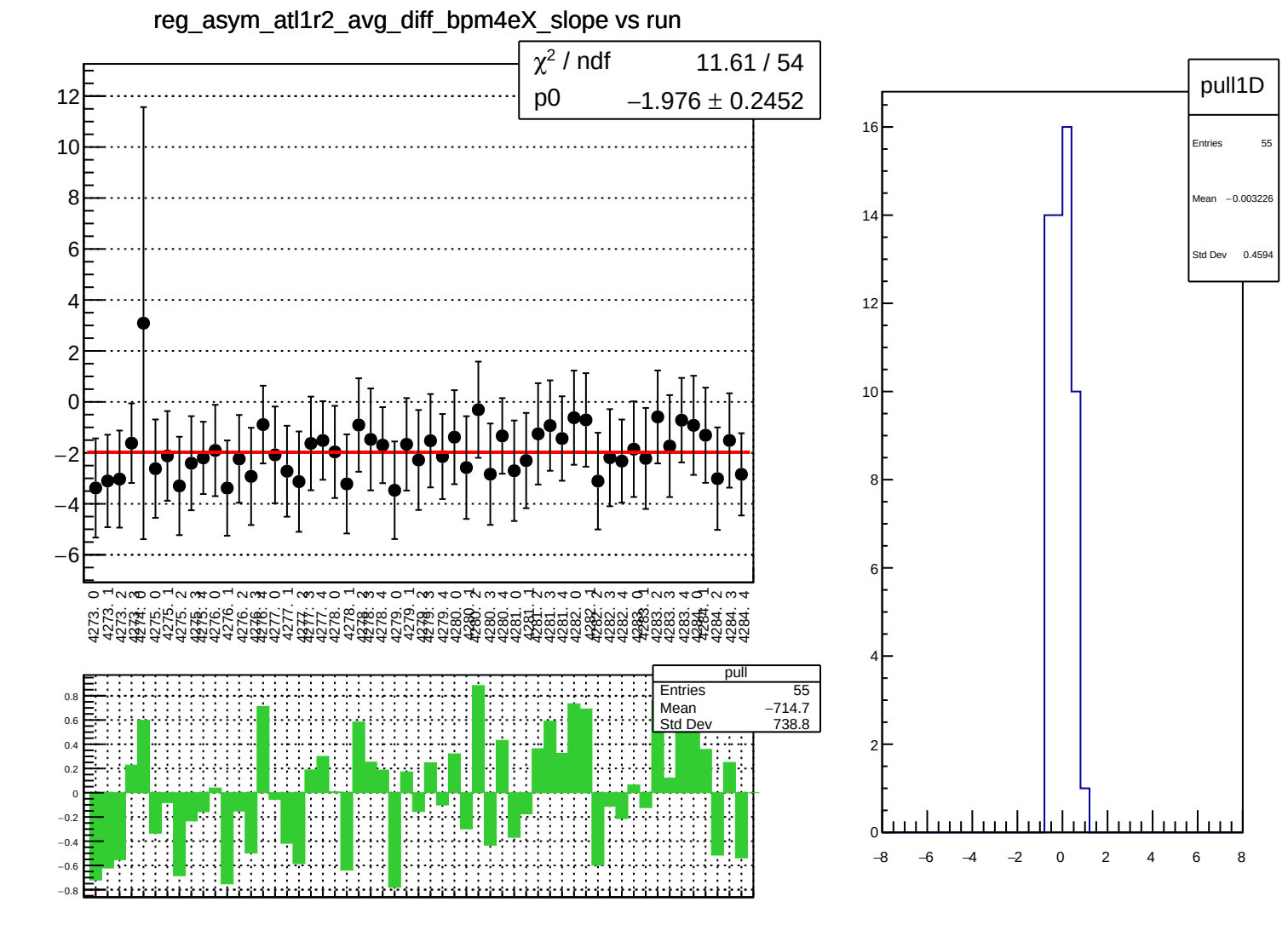

reg_asym_at2_dd_diff_bpm11X_slope vs run
χ² / ndf 17.28 / 54
p0 −44.28 ± 0.1404
pull
Entries 55
Mean −570
Std Dev 598.6
pull1D
Entries 55
Mean −0.007749
Std Dev 0.5605

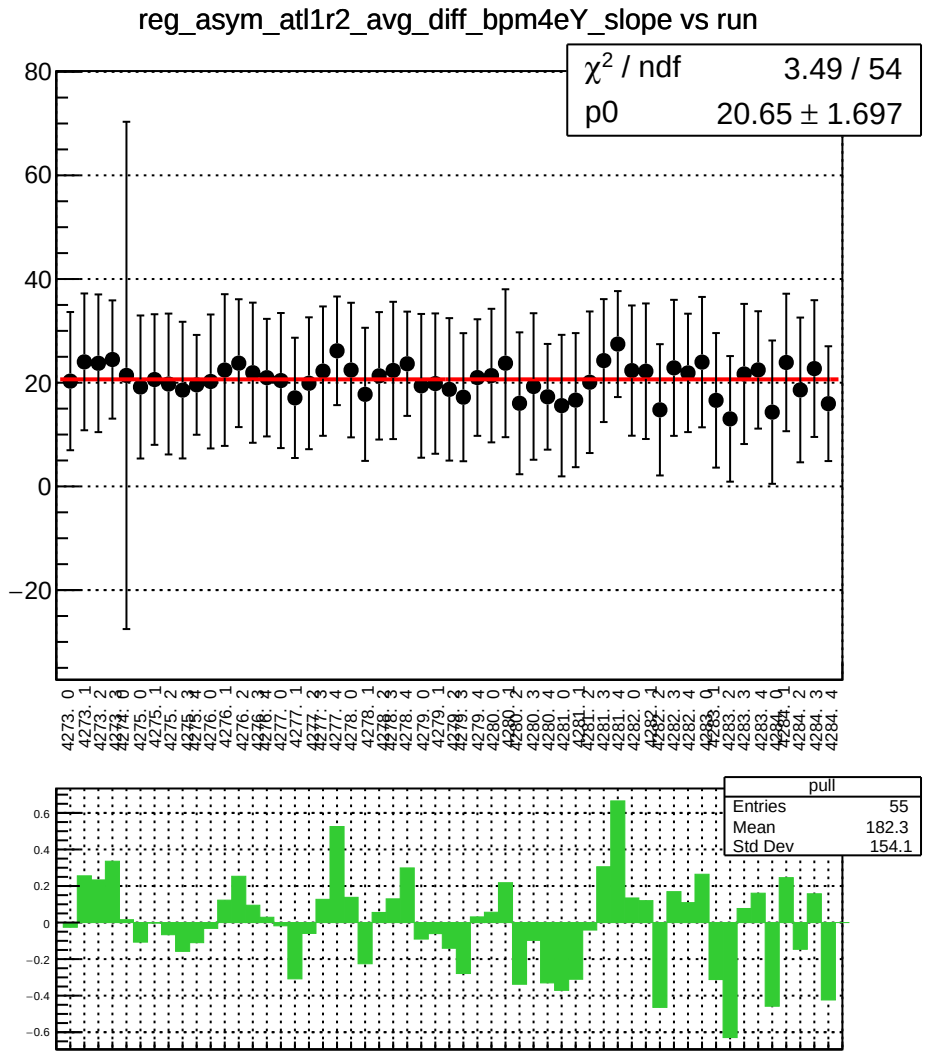

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.34 / 54
p0 −108.7 ± 1.42
pull
Entries 55
Mean −66.34
Std Dev 93.93

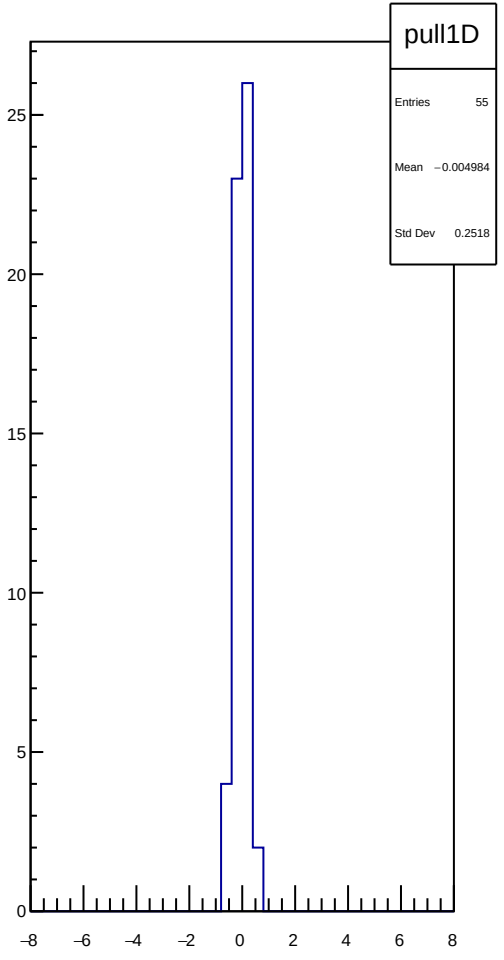

pull1D
Entries 55
Mean 0.01188
Std Dev 0.4334

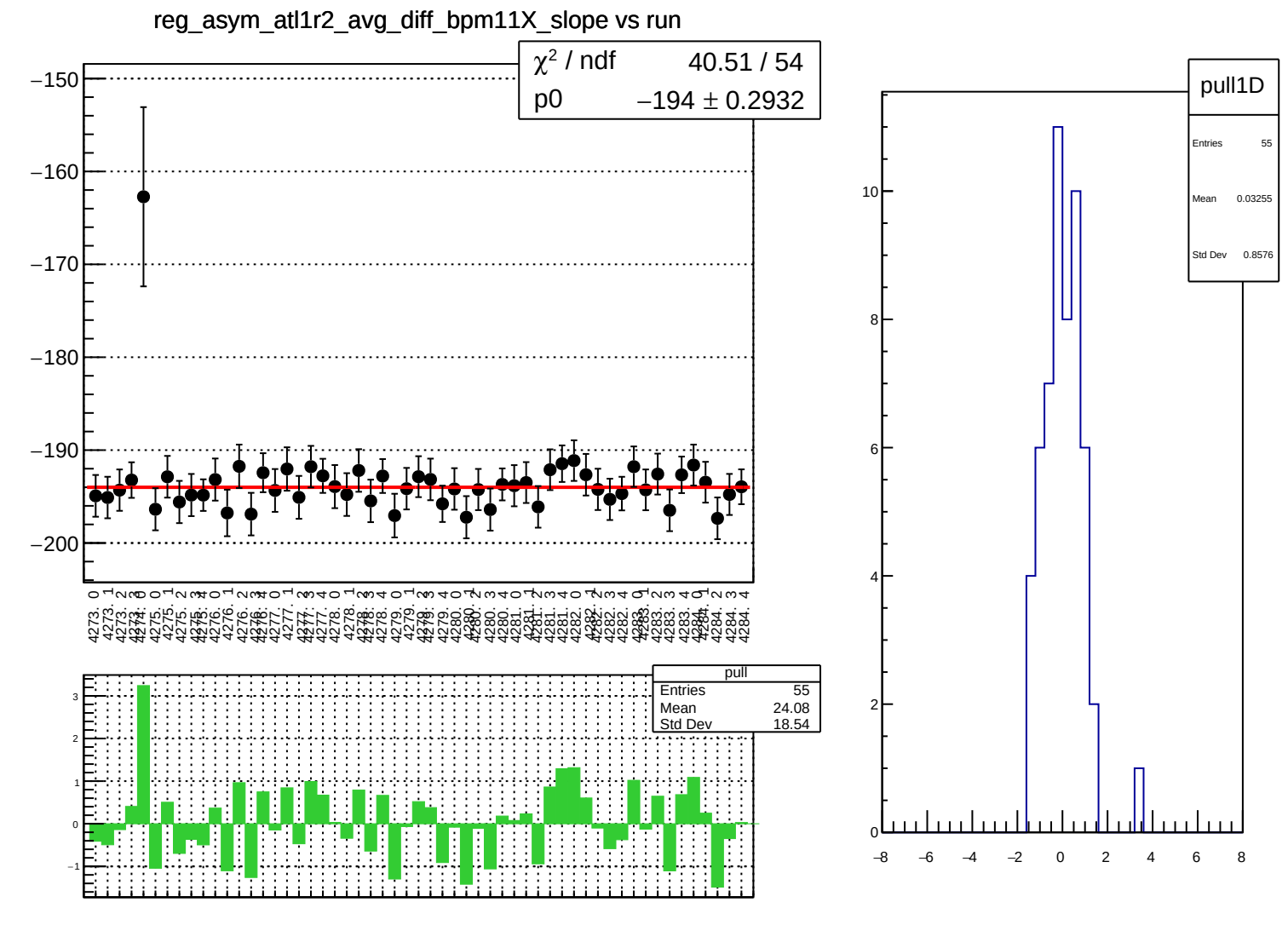

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.563 / 54
p0 14.66 ± 0.9923
pull
Entries 55
Mean 306.1
Std Dev 281.4

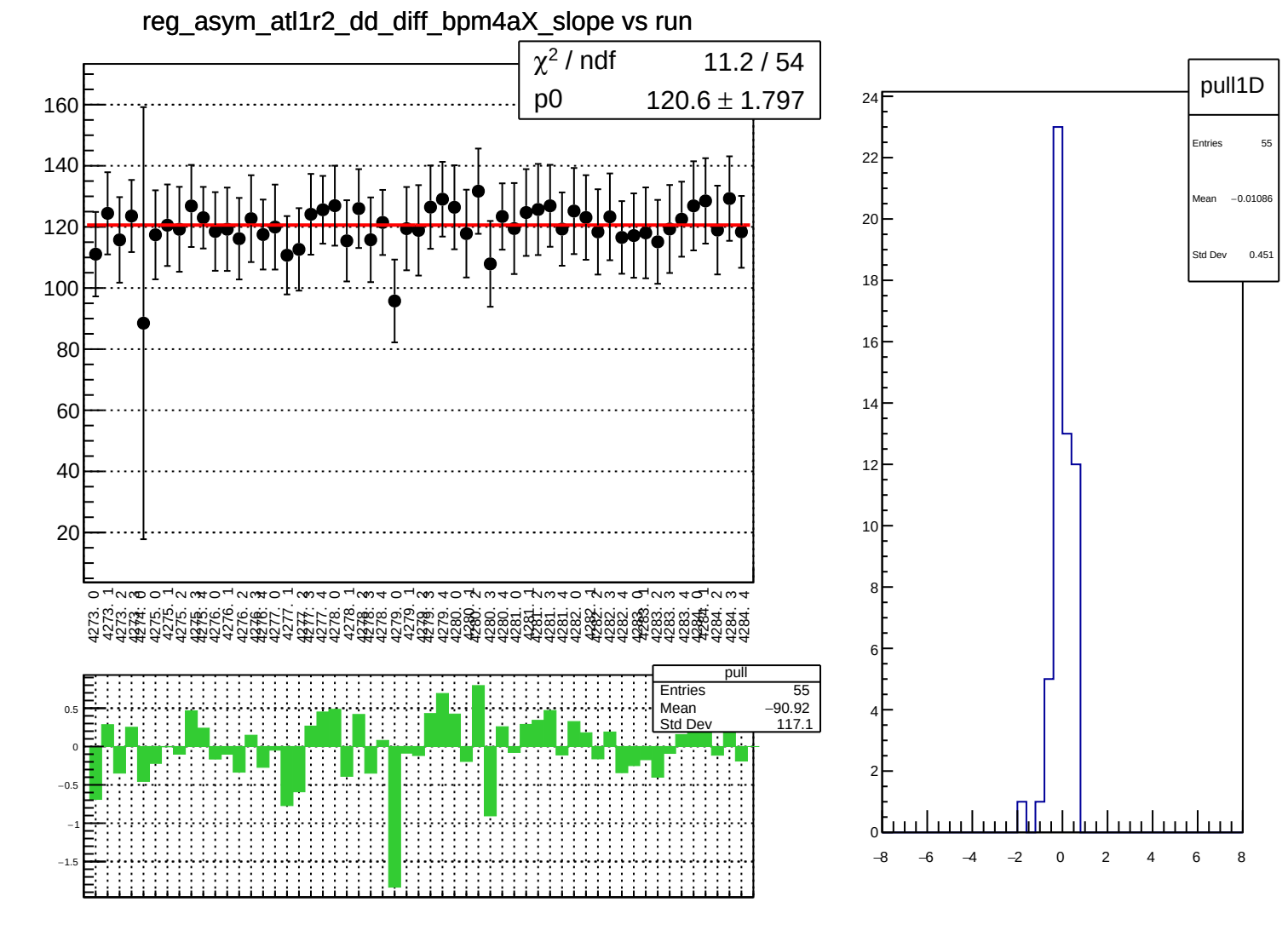

pull1D
Entries 55
Mean 0.003594
Std Dev 0.2545

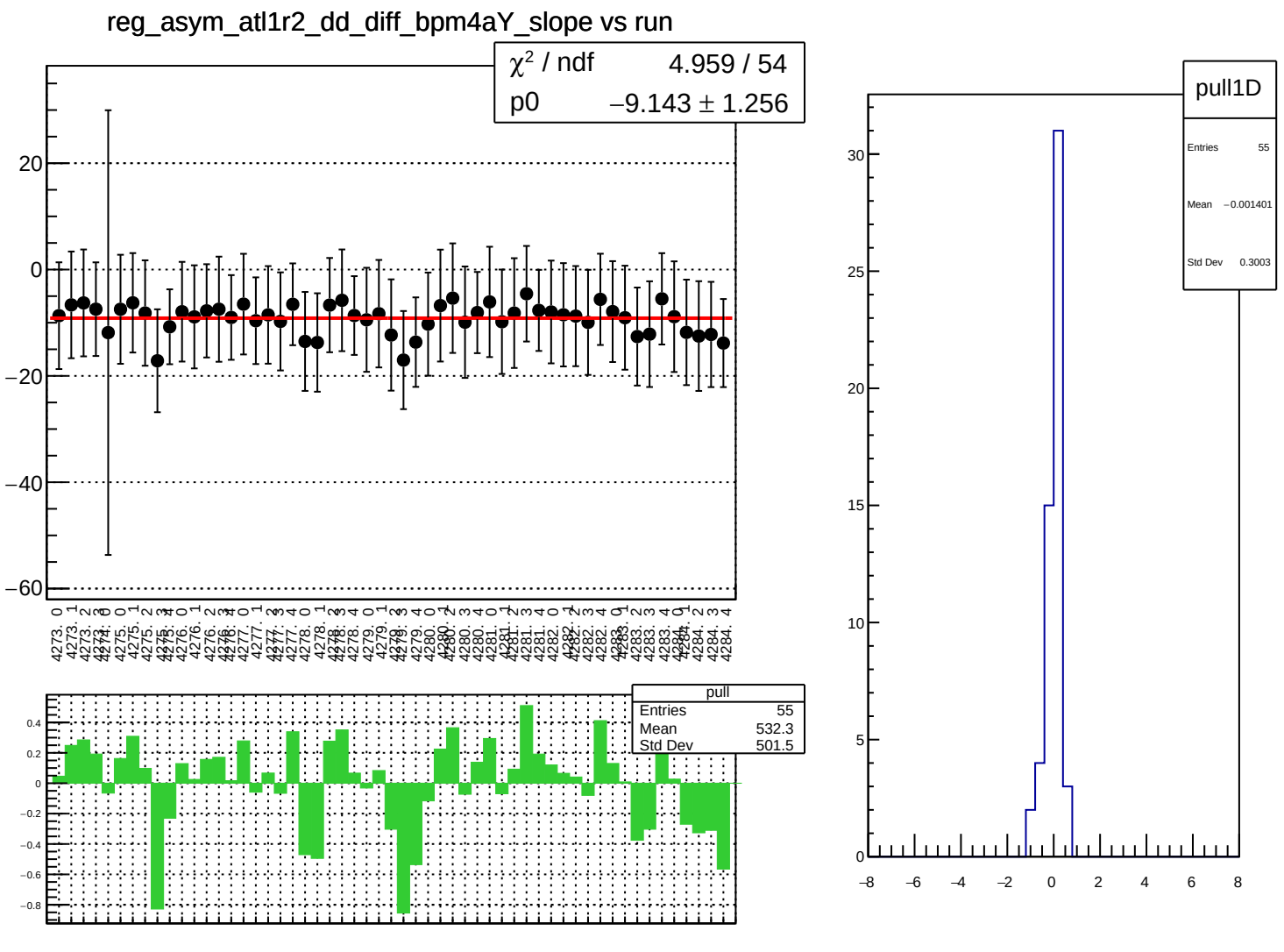

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.61 / 54
p0 −1.976 ± 0.2452
pull
Entries 55
Mean −714.7
Std Dev 738.8
pull1D
Entries 55
Mean −0.003226
Std Dev 0.4594

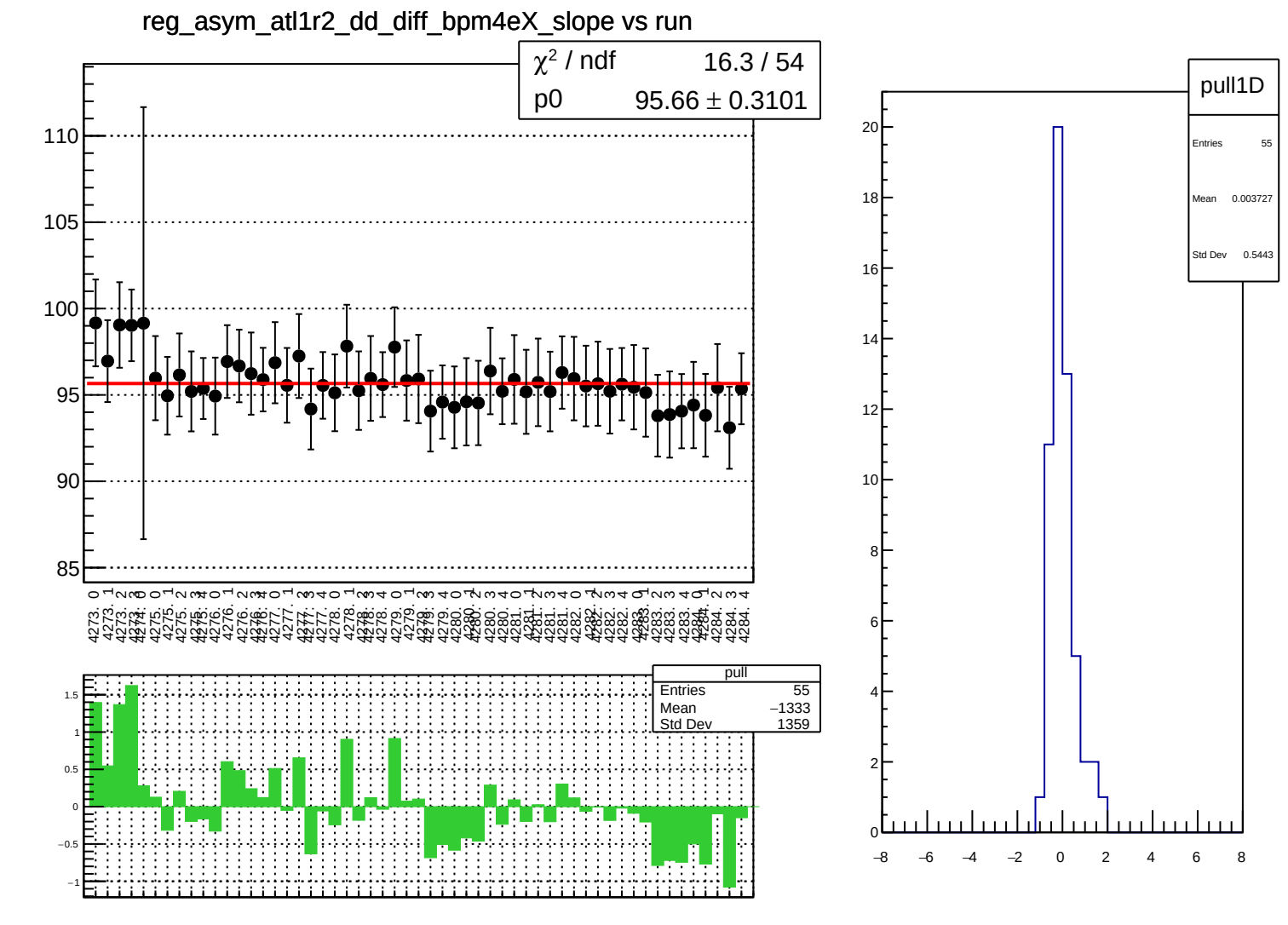

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.49 / 54
p0 20.65 ± 1.697
pull
Entries 55
Mean 182.3
Std Dev 154.1

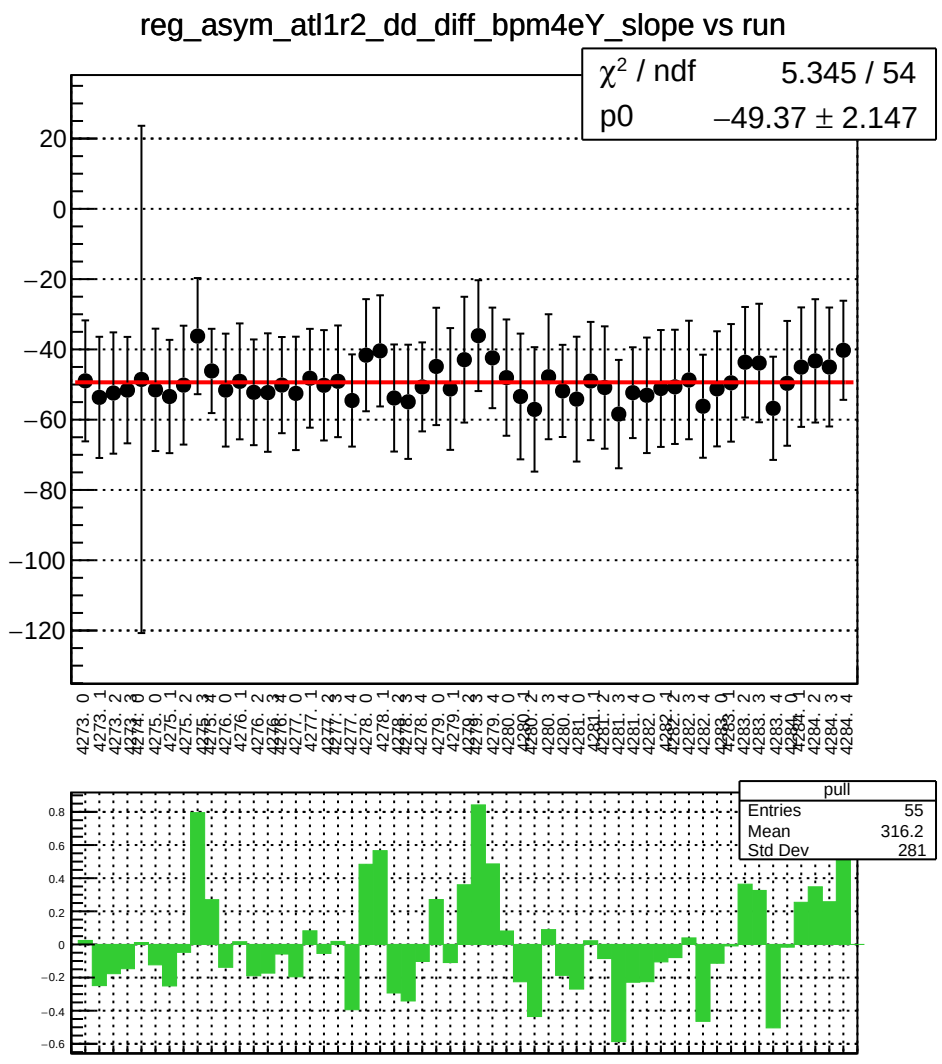

pull1D
Entries 55
Mean −0.004984
Std Dev 0.2518

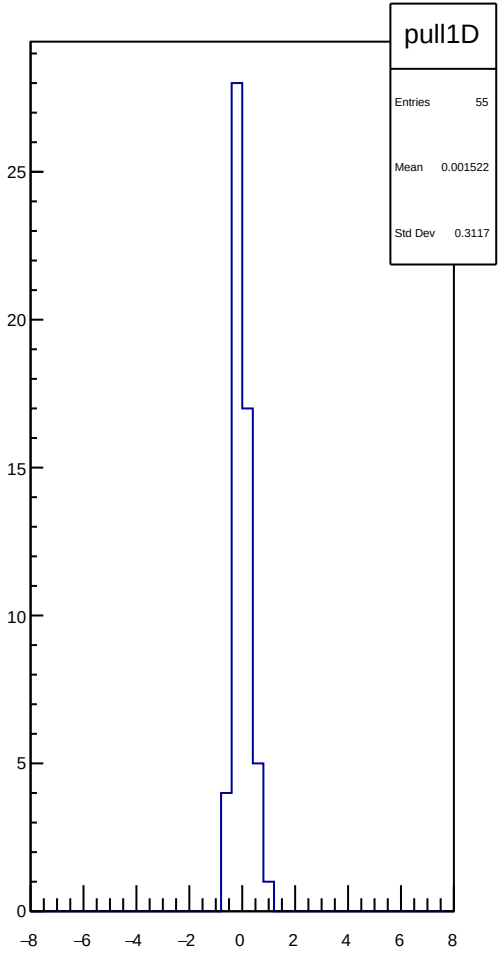

reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ² / ndf 40.51 / 54
p0 −194 ± 0.2932
−150
−160
−170
−180
−190
−200
pull
Entries 55
Mean 24.08
Std Dev 18.54
pull1D
Entries 55
Mean 0.03255
Std Dev 0.8576

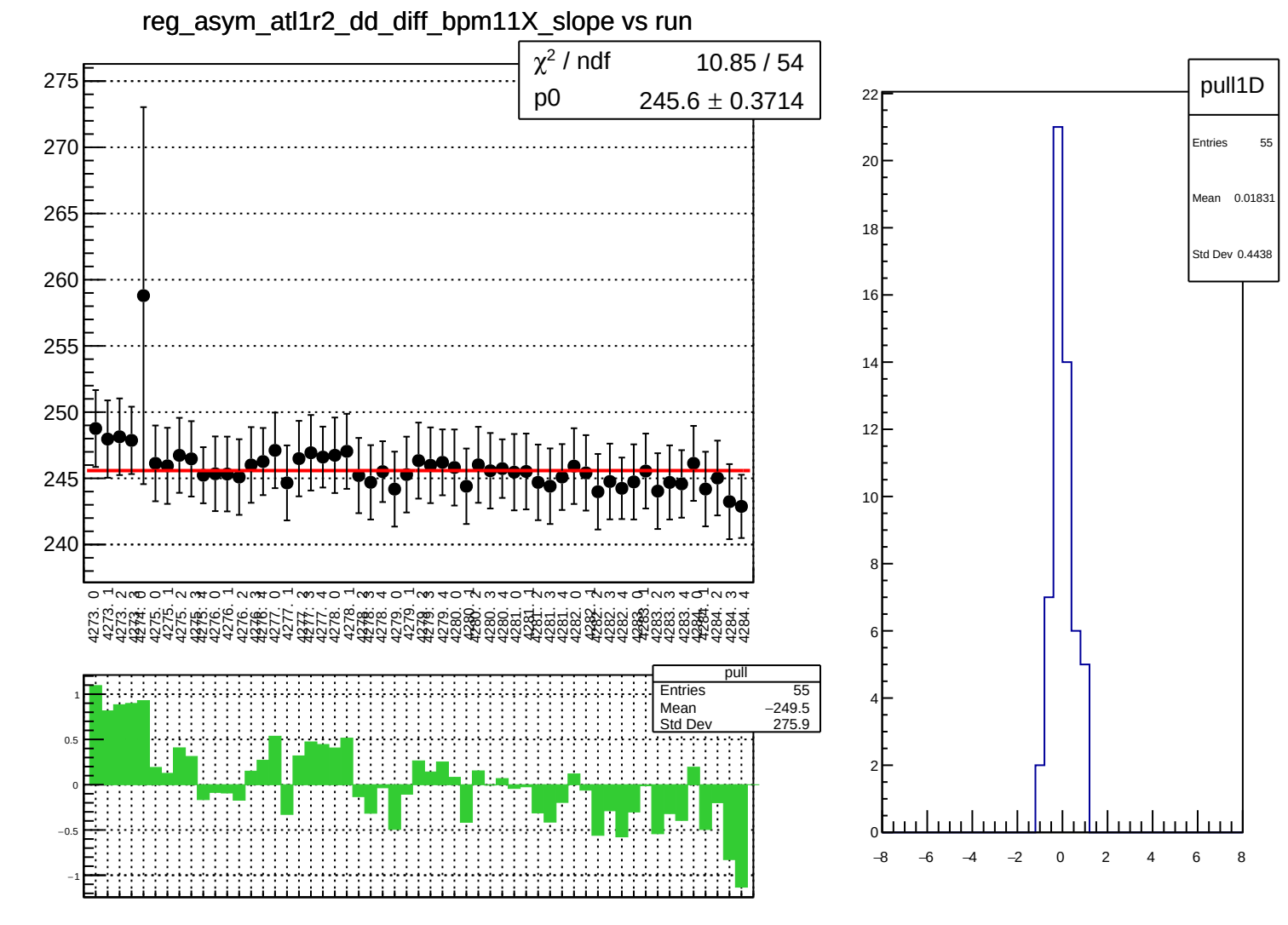

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 11.2 / 54
p0 120.6 ± 1.797
pull
Entries 55
Mean −90.92
Std Dev 117.1
pull1D
Entries 55
Mean −0.01086
Std Dev 0.451

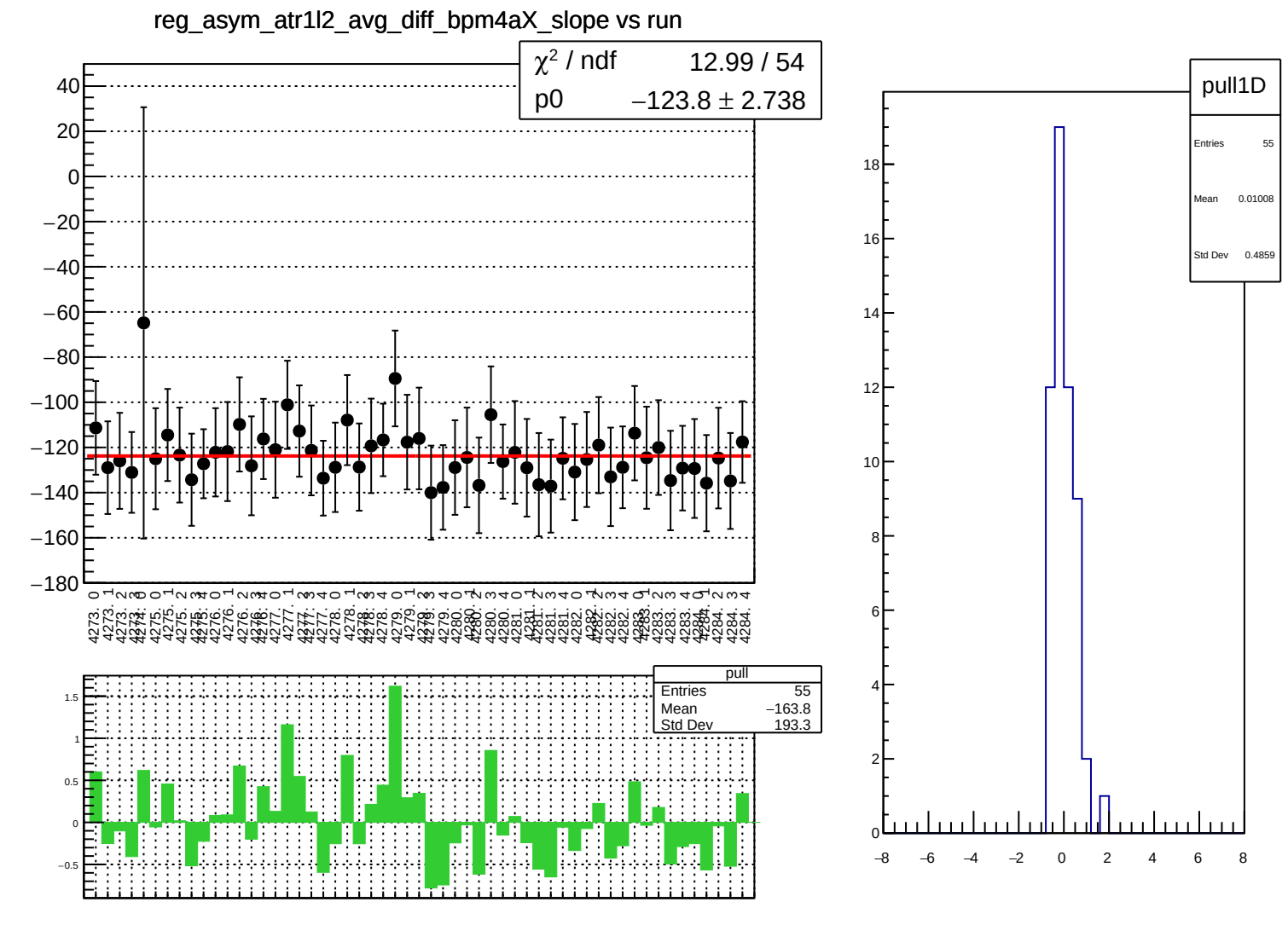

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.959 / 54
p0 −9.143 ± 1.256
pull
Entries 55
Mean 532.3
Std Dev 501.5
pull1D
Entries 55
Mean −0.001401
Std Dev 0.3003

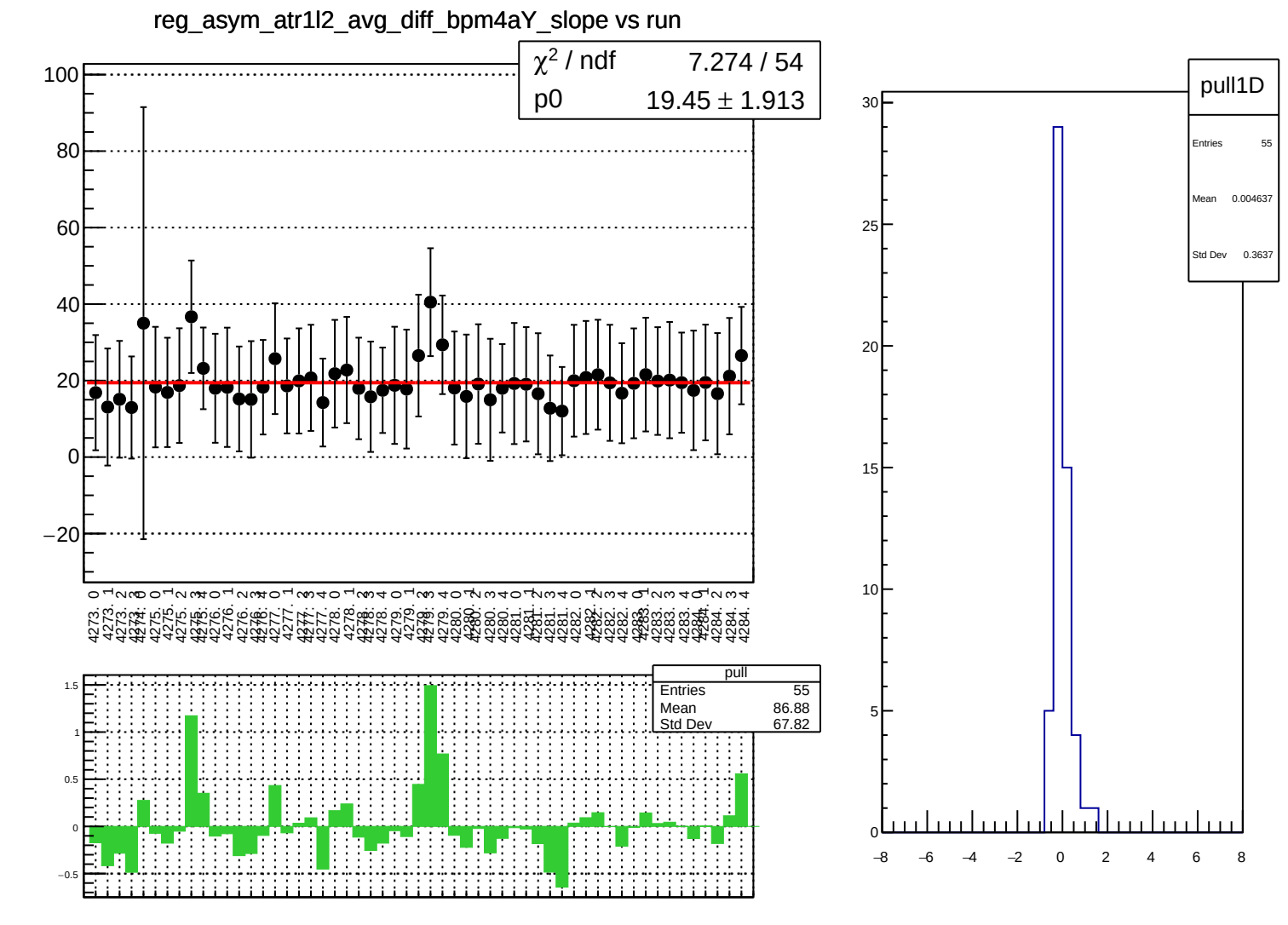

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.3 / 54
p0 95.66 ± 0.3101
pull
Entries 55
Mean −1333
Std Dev 1359
pull1D
Entries 55
Mean 0.003727
Std Dev 0.5443

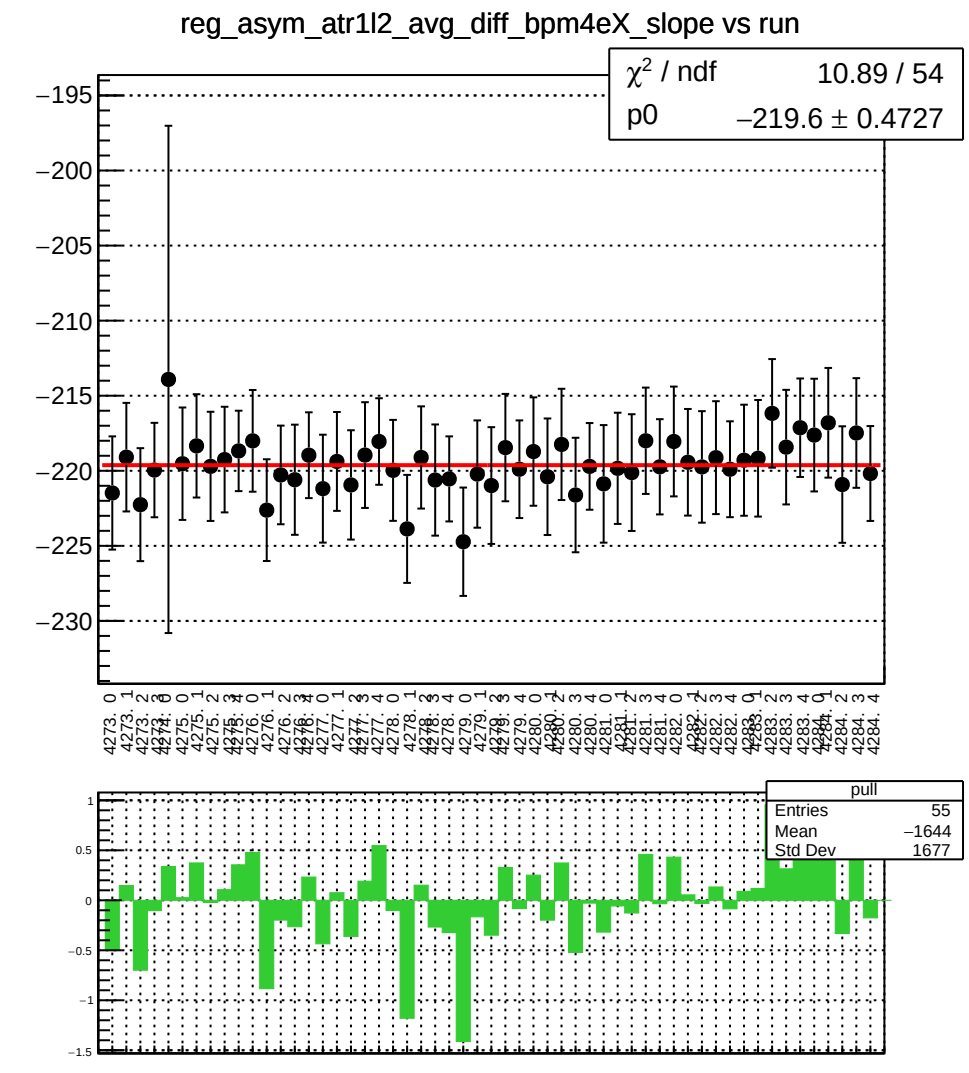

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.345 / 54
p0 −49.37 ± 2.147
pull
Entries 55
Mean 316.2
Std Dev 281

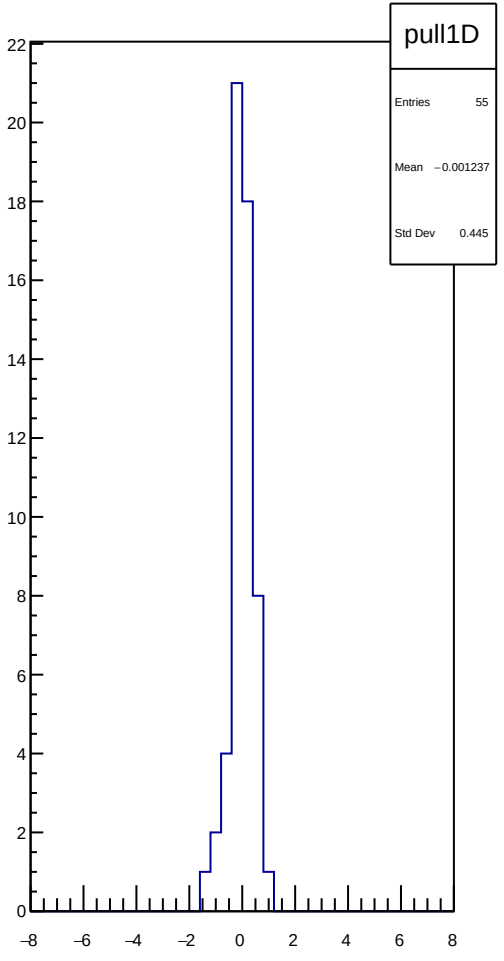

pull1D
Entries 55
Mean 0.001522
Std Dev 0.3117

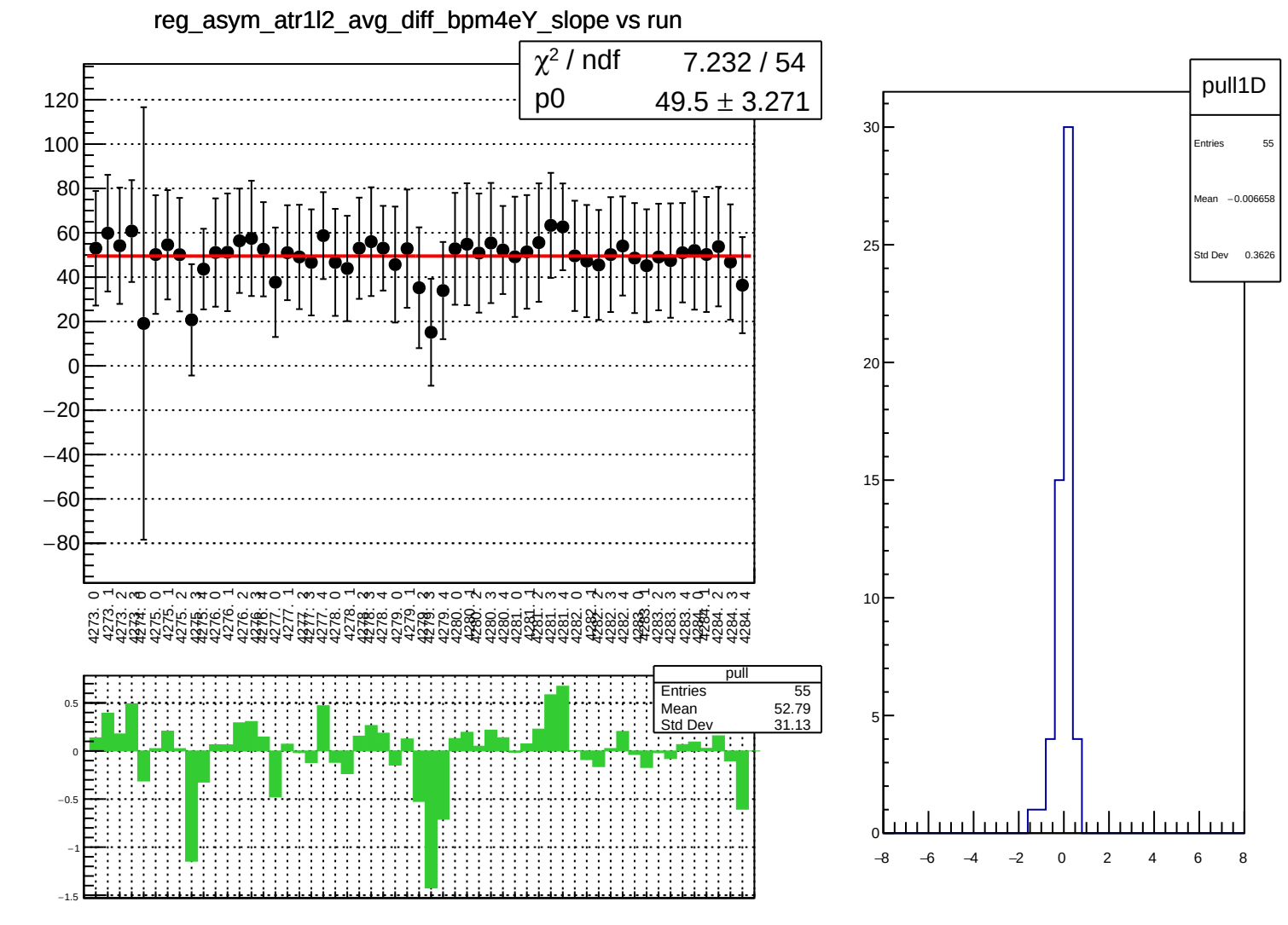

reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ² / ndf 10.85 / 54
p0 245.6 ± 0.3714
pull
Entries 55
Mean −249.5
Std Dev 275.9
pull1D
Entries 55
Mean 0.01831
Std Dev 0.4438

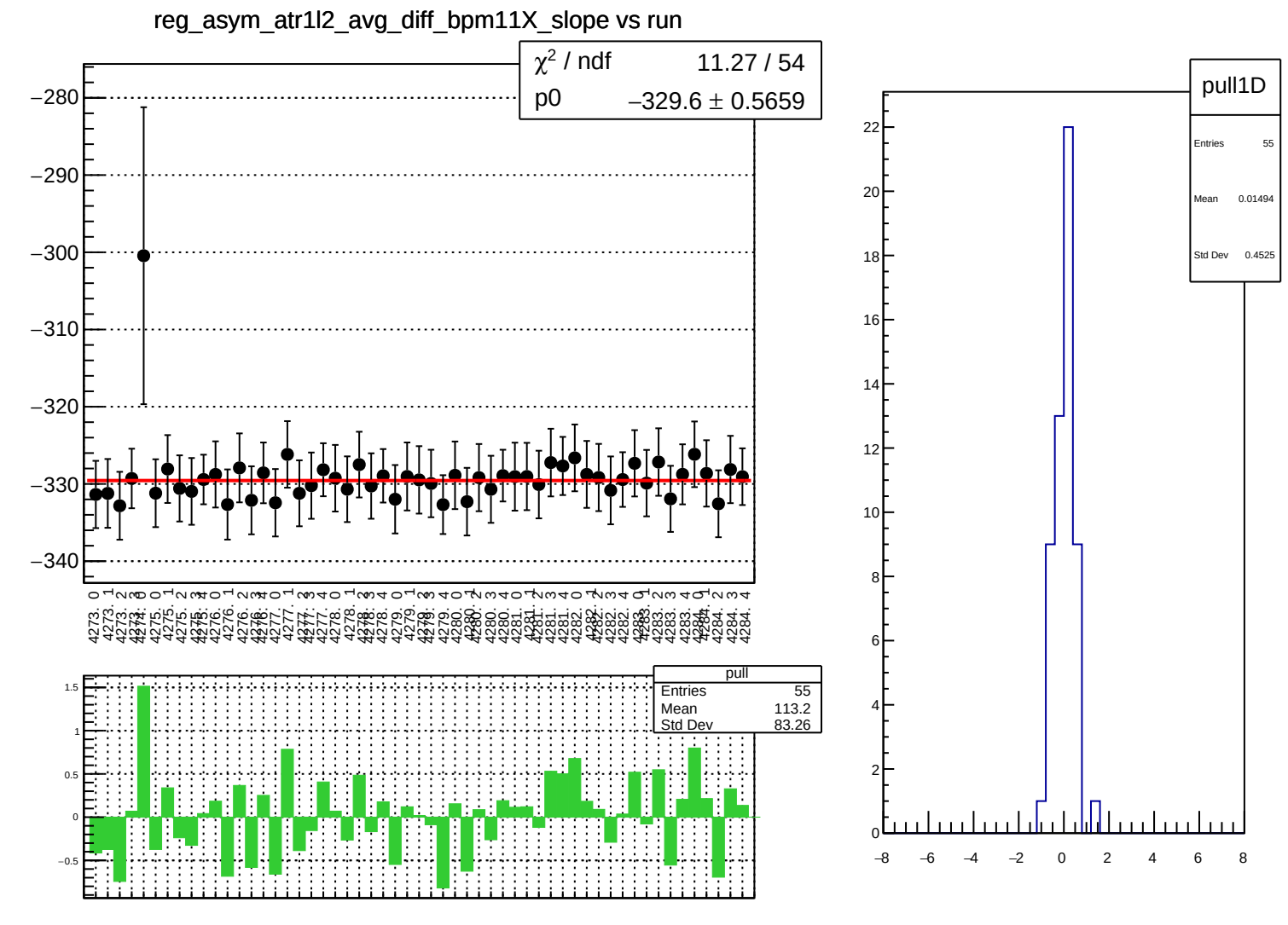

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.99 / 54
p0 −123.8 ± 2.738
pull
Entries 55
Mean −163.8
Std Dev 193.3
pull1D
Entries 55
Mean 0.01008
Std Dev 0.4859

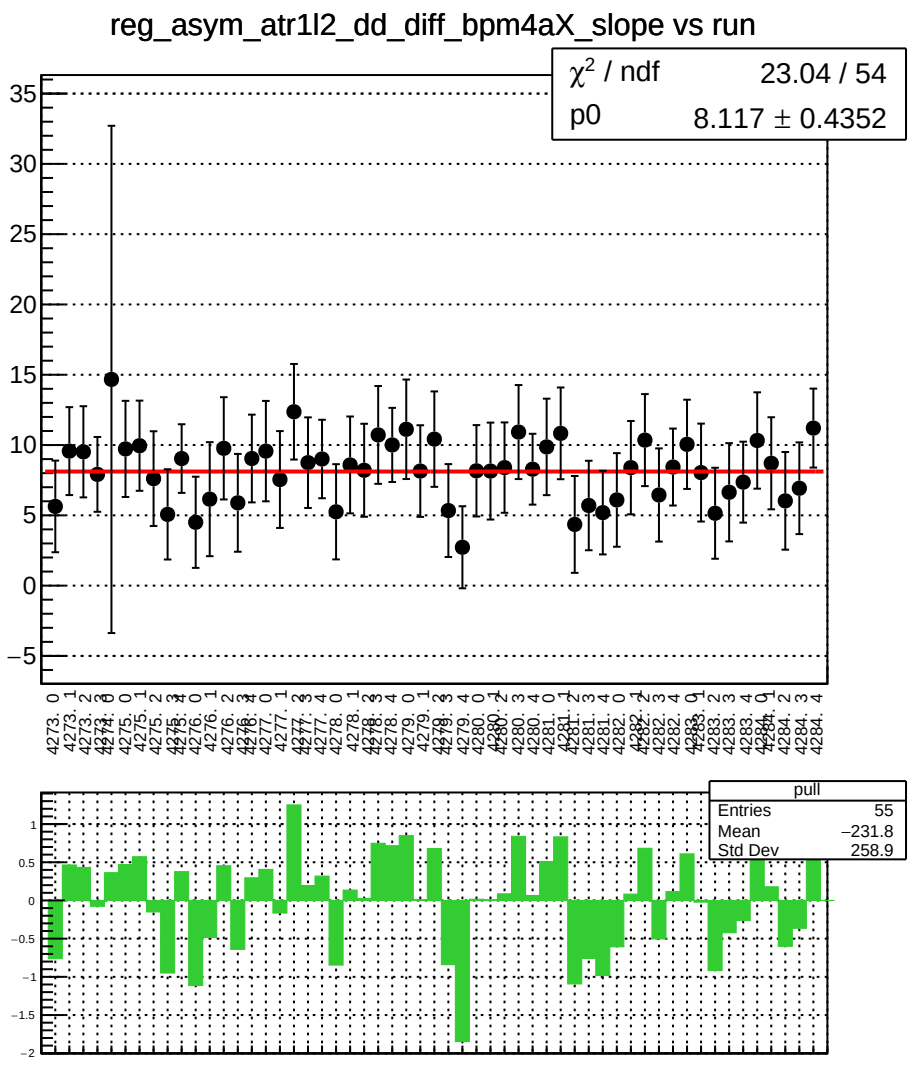

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.274 / 54
p0 19.45 ± 1.913
pull
Entries 55
Mean 86.88
Std Dev 67.82
pull1D
Entries 55
Mean 0.004637
Std Dev 0.3637

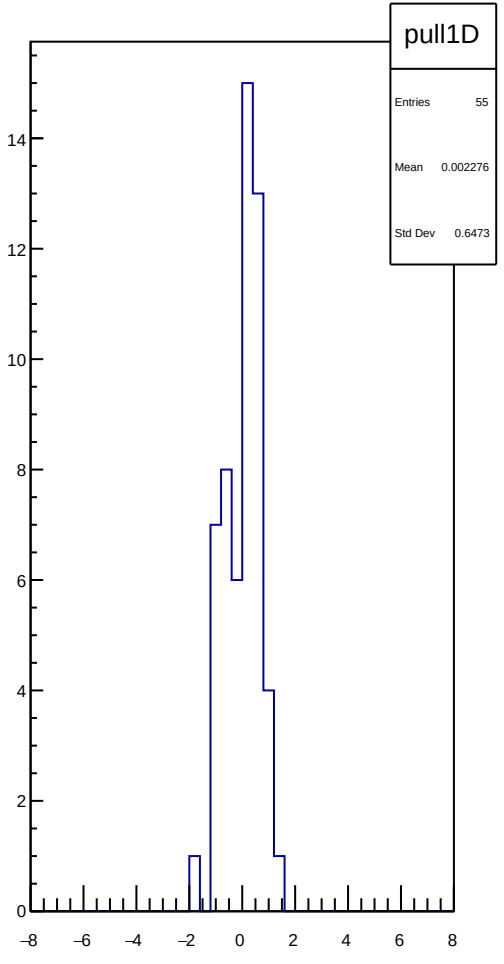

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.89 / 54
p0 −219.6 ± 0.4727
pull
Entries 55
Mean −1644
Std Dev 1677

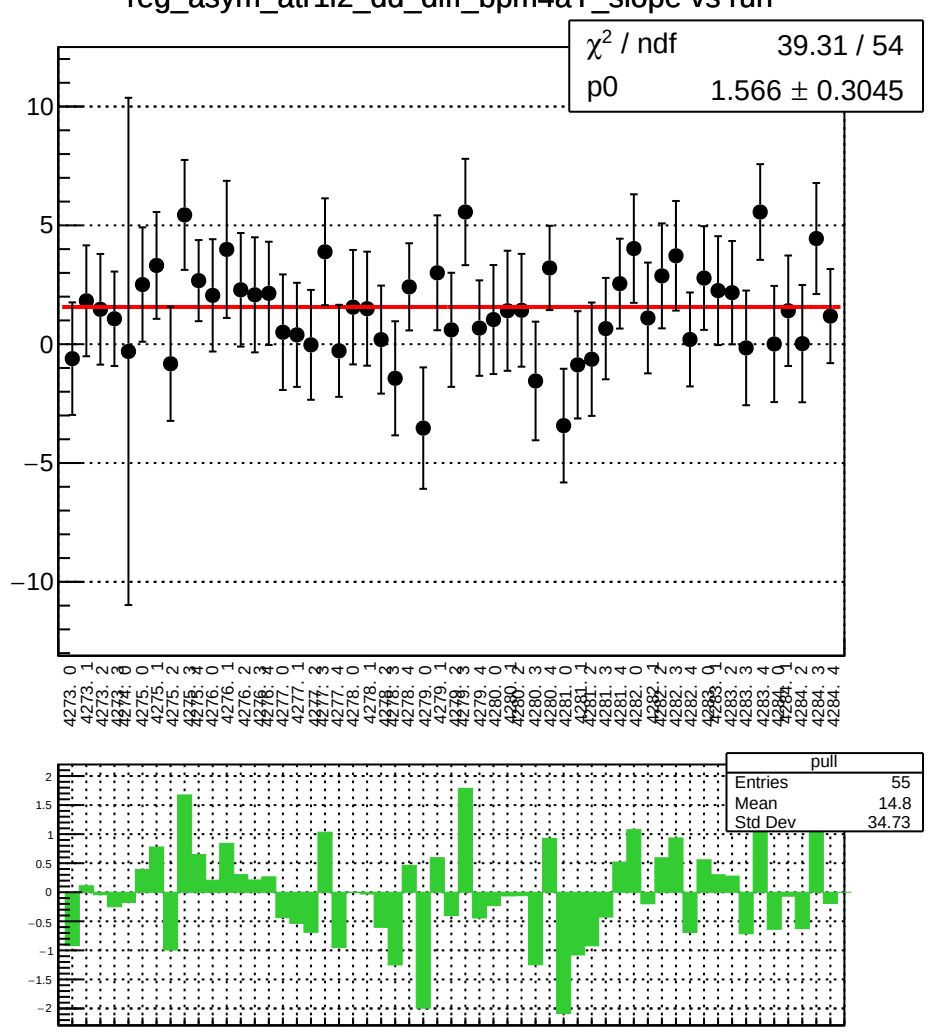

pull1D
Entries 55
Mean −0.001237
Std Dev 0.445

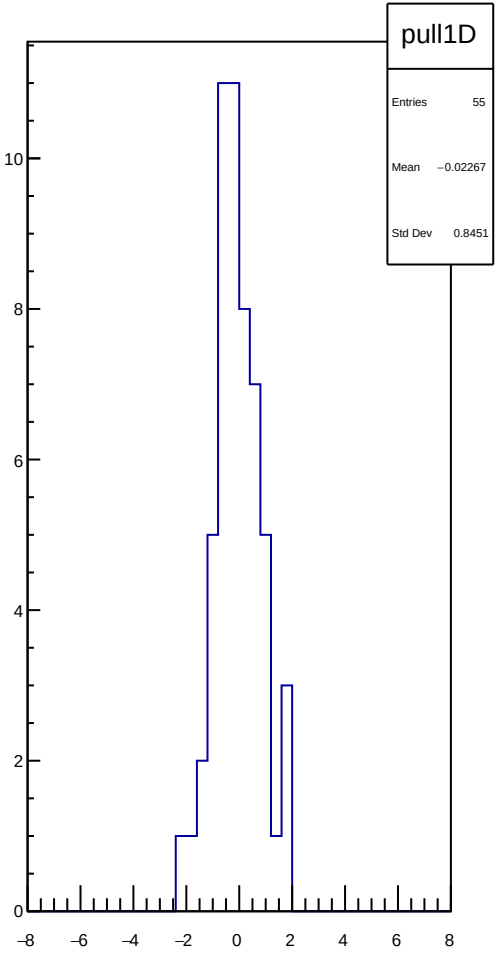

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.232 / 54
p0 49.5 ± 3.271
pull
Entries 55
Mean 52.79
Std Dev 31.13
pull1D
Entries 55
Mean −0.006658
Std Dev 0.3626

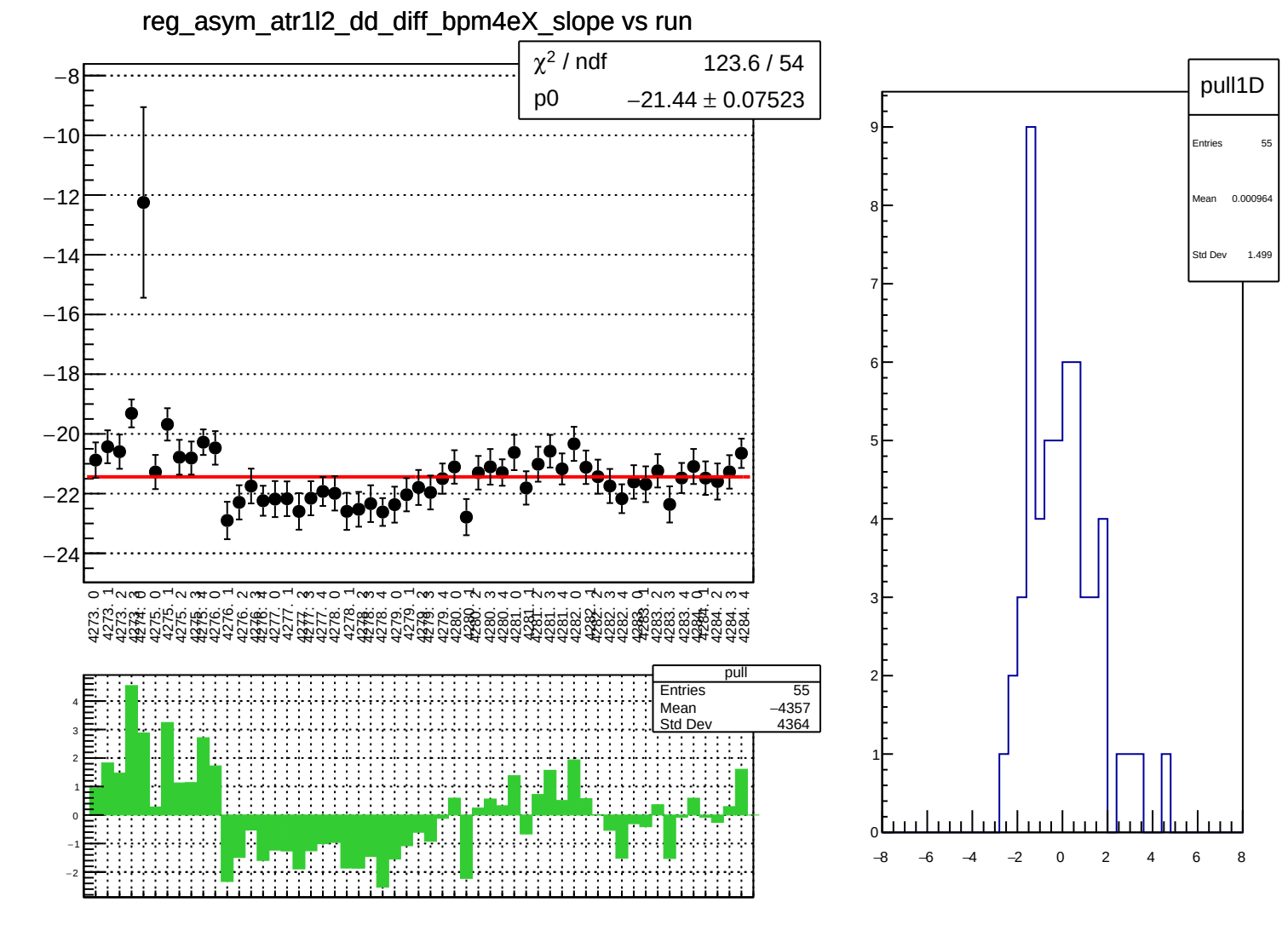

reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ² / ndf 11.27 / 54
p0 −329.6 ± 0.5659
pull
Entries 55
Mean 113.2
Std Dev 83.26
pull1D
Entries 55
Mean 0.01494
Std Dev 0.4525

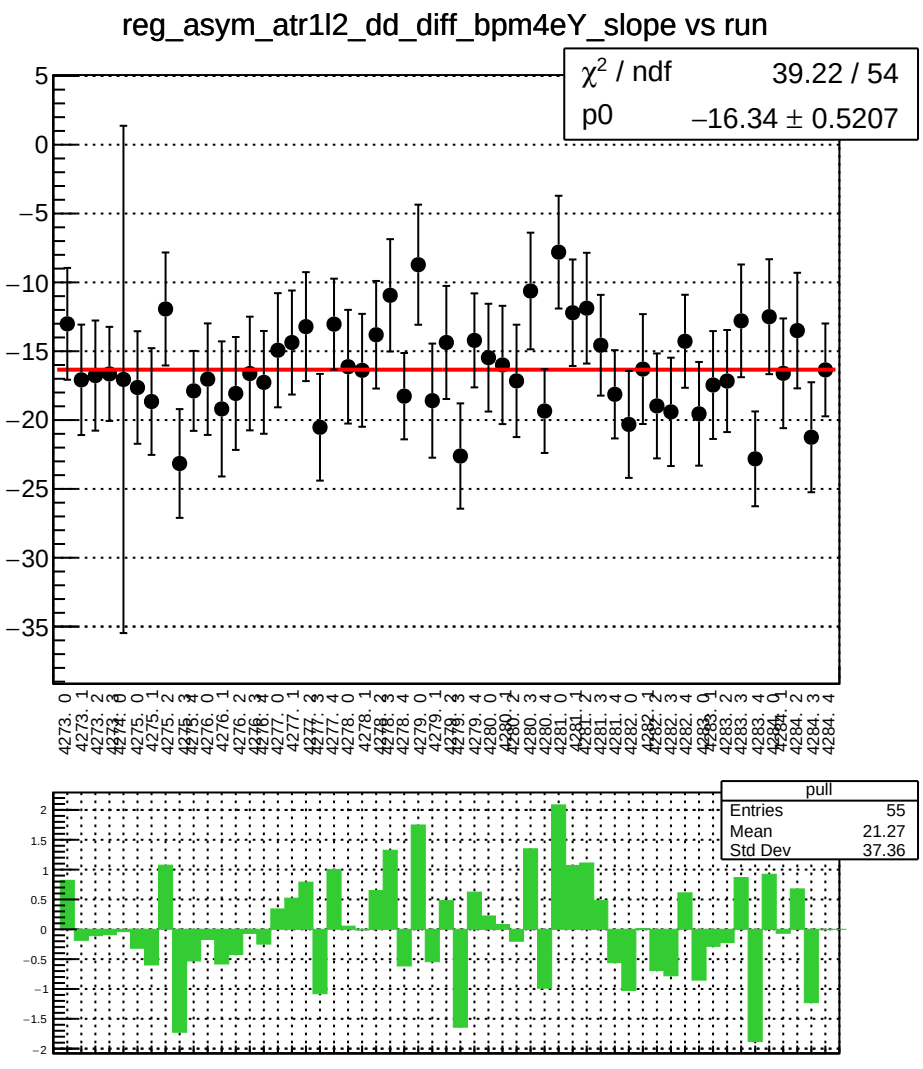

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 23.04 / 54
p0 8.117 ± 0.4352
pull
Entries 55
Mean −231.8
Std Dev 258.9

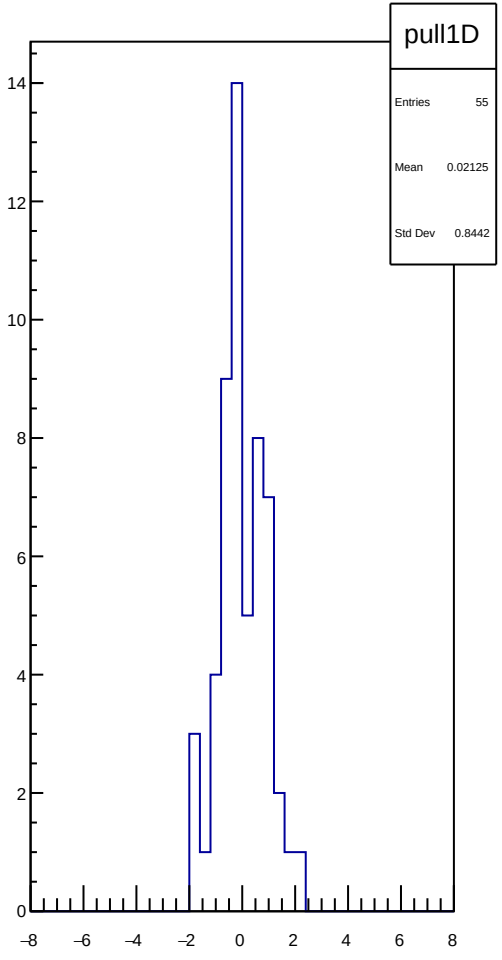

pull1D
Entries 55
Mean 0.002276
Std Dev 0.6473

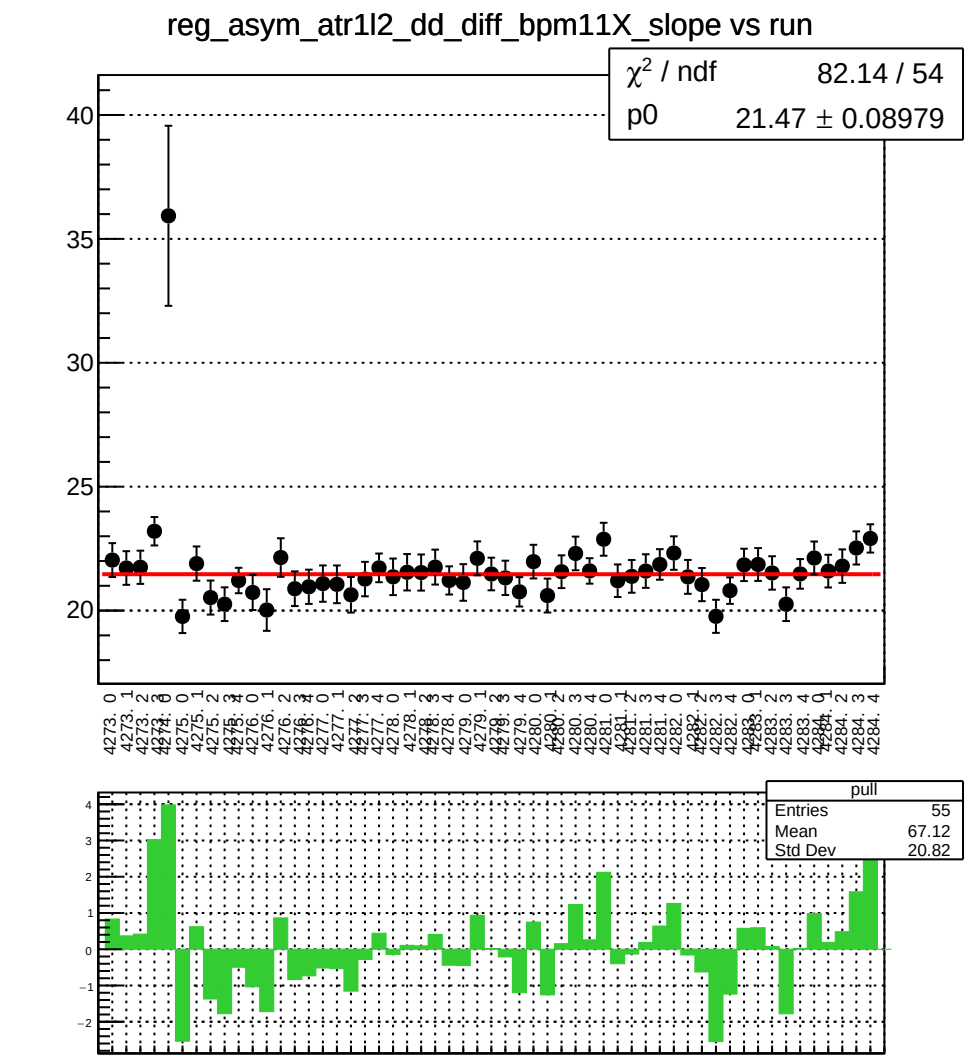

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.31 / 54
p0 1.566 ± 0.3045
pull
Entries 55
Mean 14.8
Std Dev 34.73

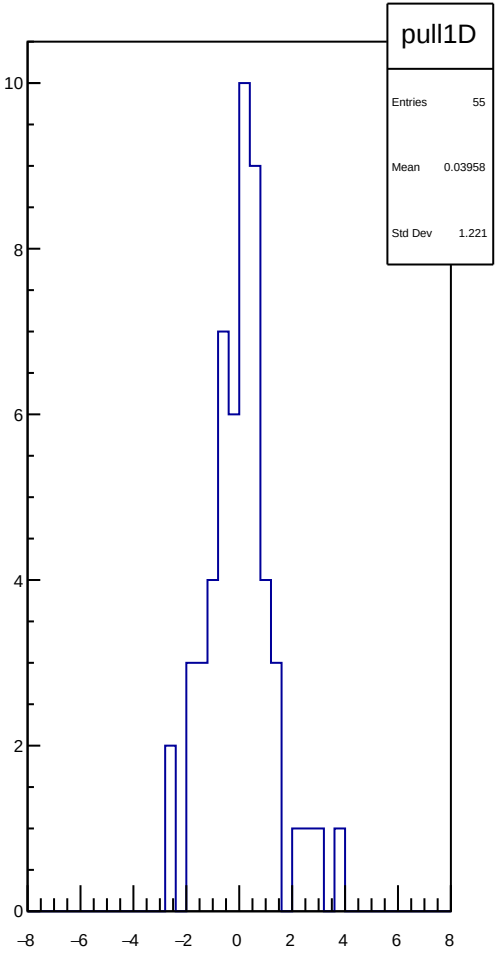

pull1D
Entries 55
Mean −0.02267
Std Dev 0.8451

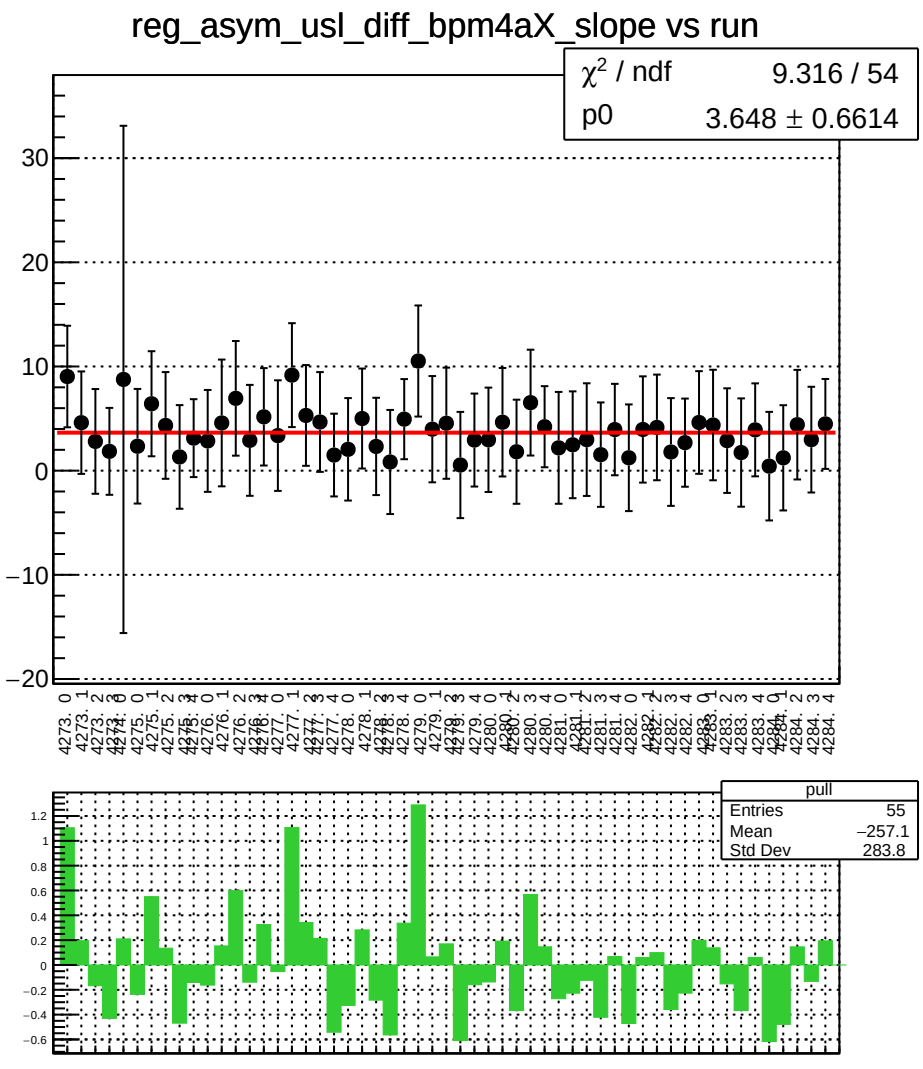

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 123.6 / 54
p0 −21.44 ± 0.07523
pull
Entries 55
Mean −4357
Std Dev 4364
pull1D
Entries 55
Mean 0.000964
Std Dev 1.499

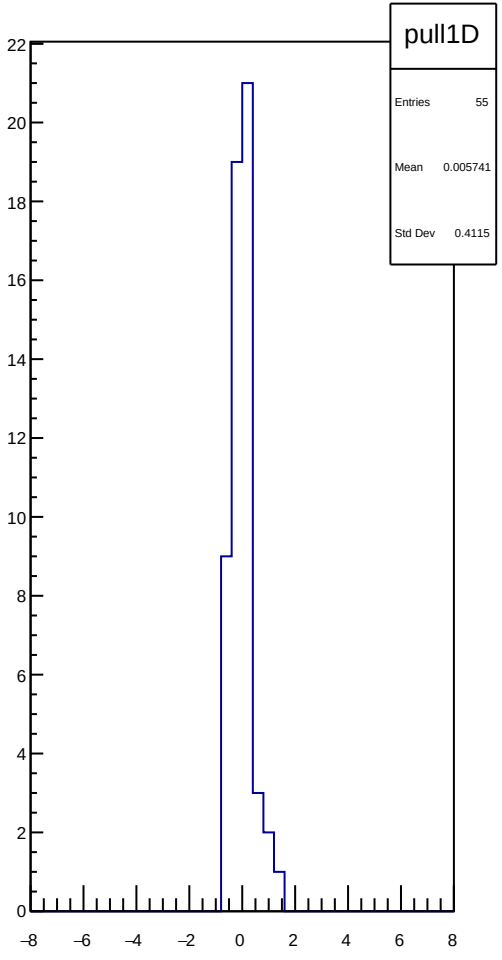

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.22 / 54
p0 −16.34 ± 0.5207
pull
Entries 55
Mean 21.27
Std Dev 37.36

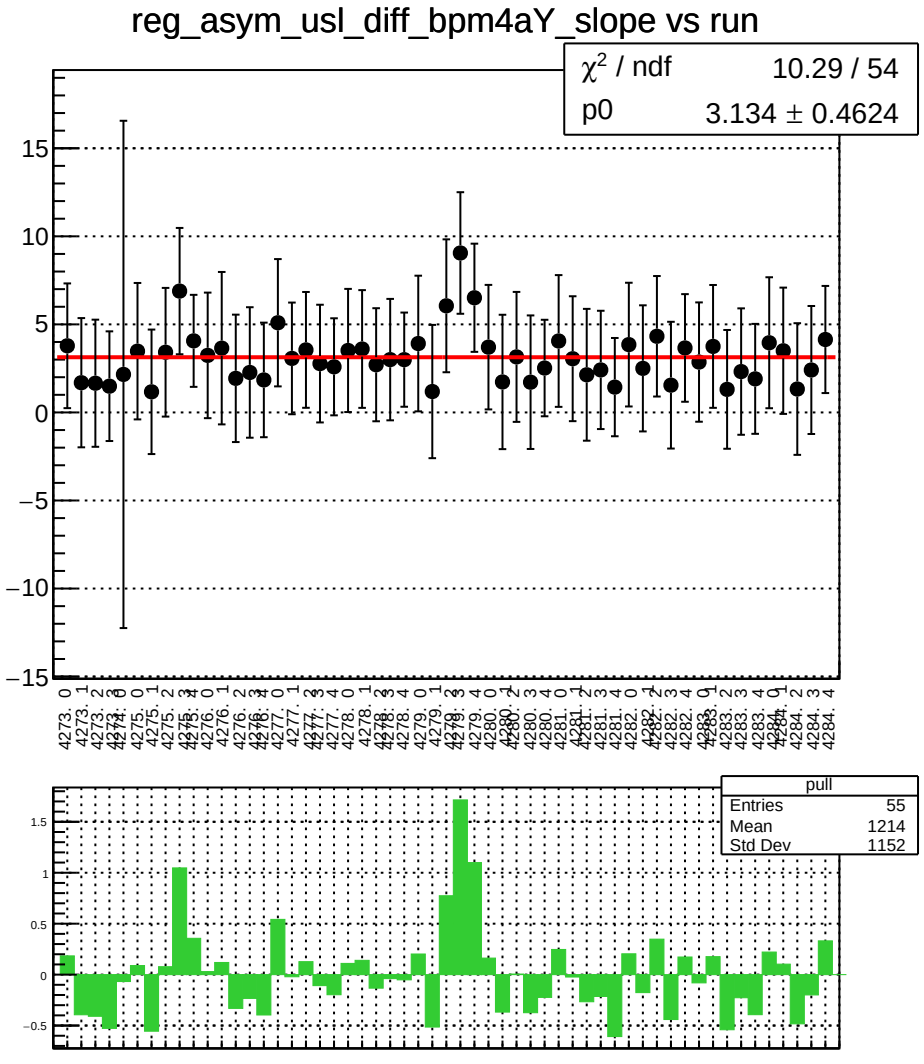

pull1D
Entries 55
Mean 0.02125
Std Dev 0.8442

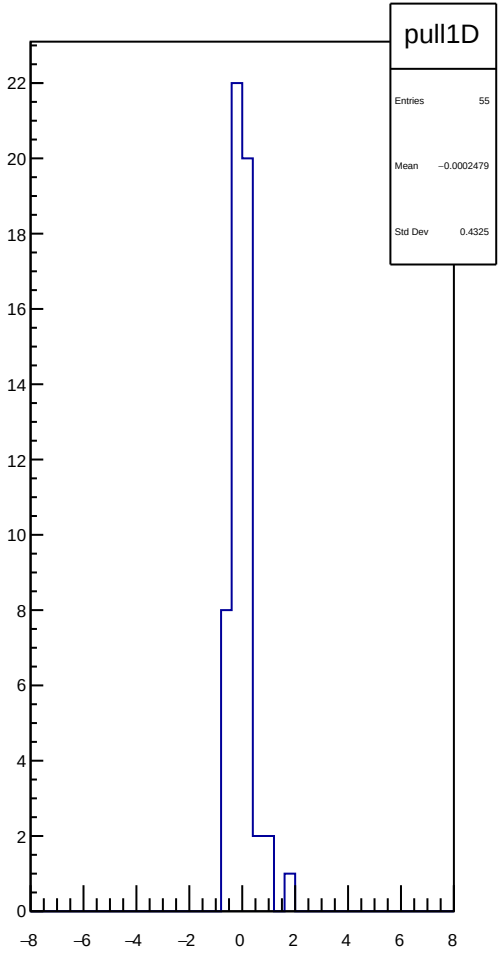

reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ² / ndf 82.14 / 54
p0 21.47 ± 0.08979
pull
Entries 55
Mean 67.12
Std Dev 20.82

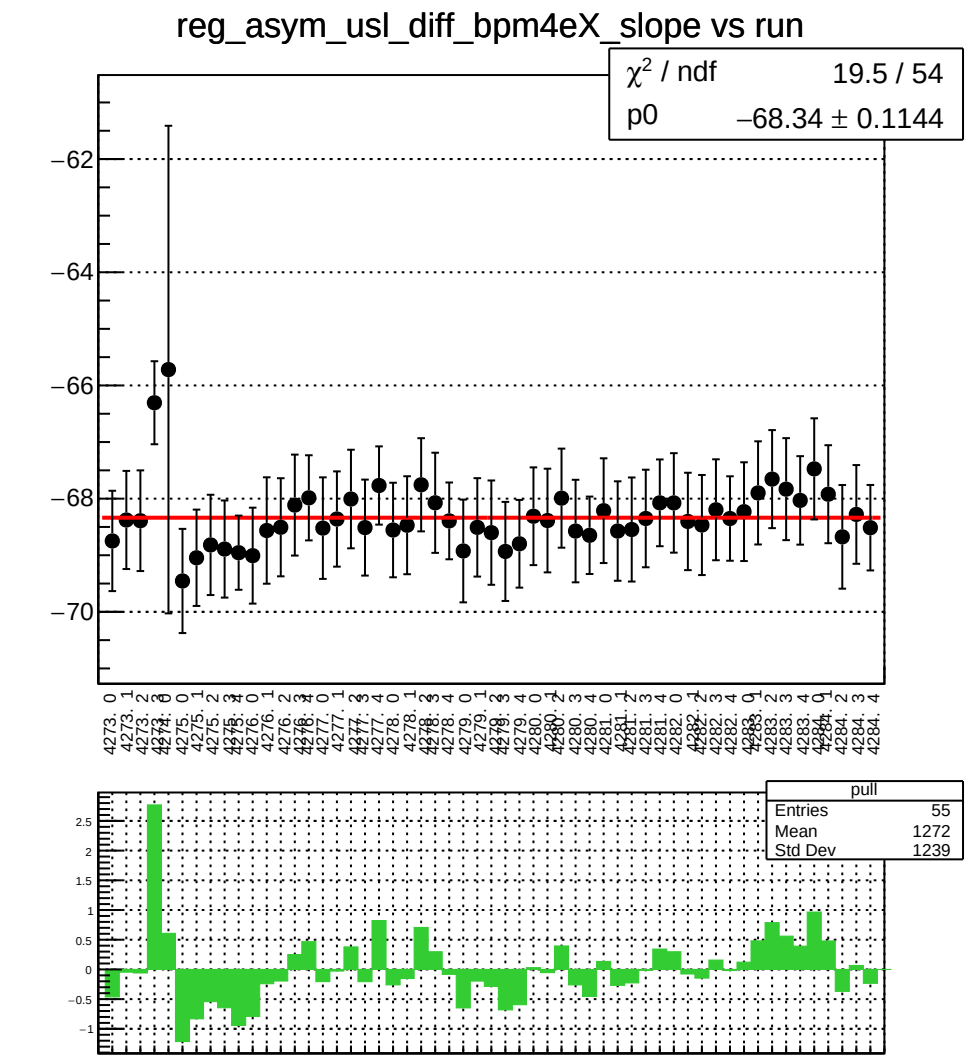

pull1D
Entries 55
Mean 0.03958
Std Dev 1.221

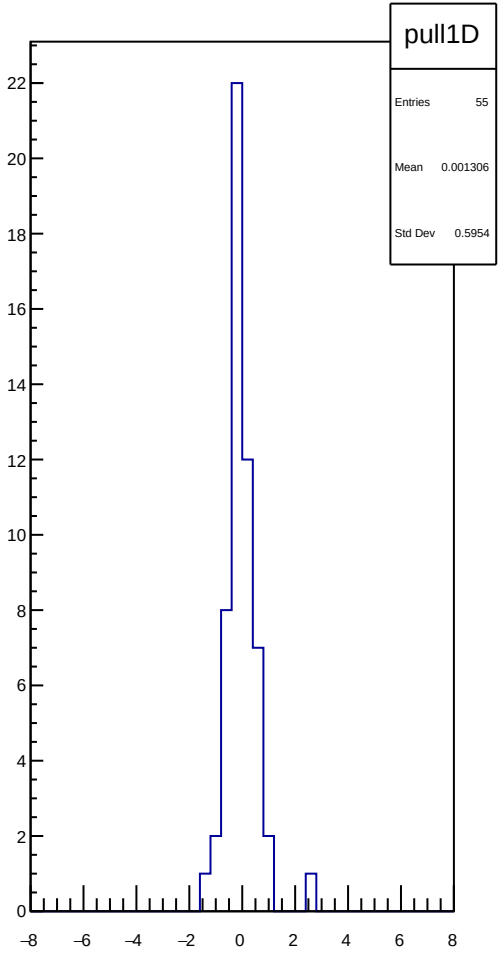

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 9.316 / 54
p0 3.648 ± 0.6614
pull
Entries 55
Mean −257.1
Std Dev 283.8

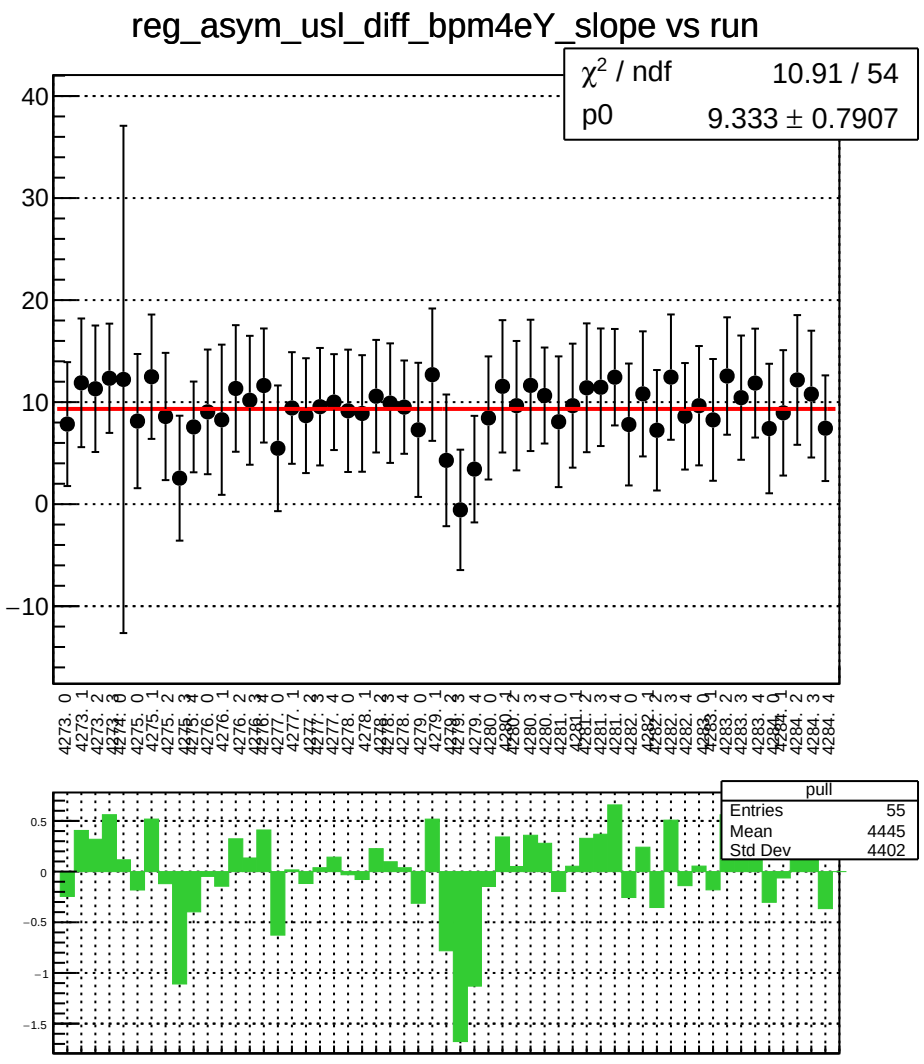

pull1D
Entries 55
Mean 0.005741
Std Dev 0.4115

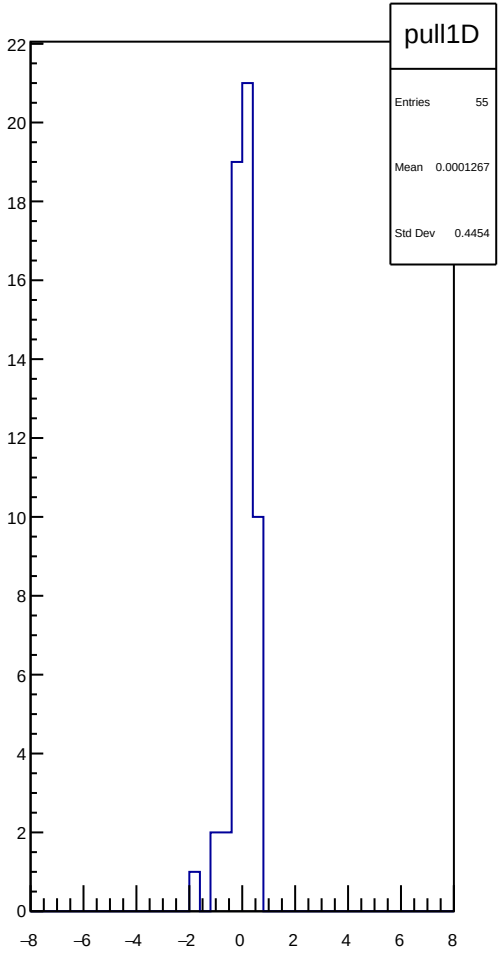

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 10.29 / 54
p0 3.134 ± 0.4624
pull
Entries 55
Mean 1214
Std Dev 1152

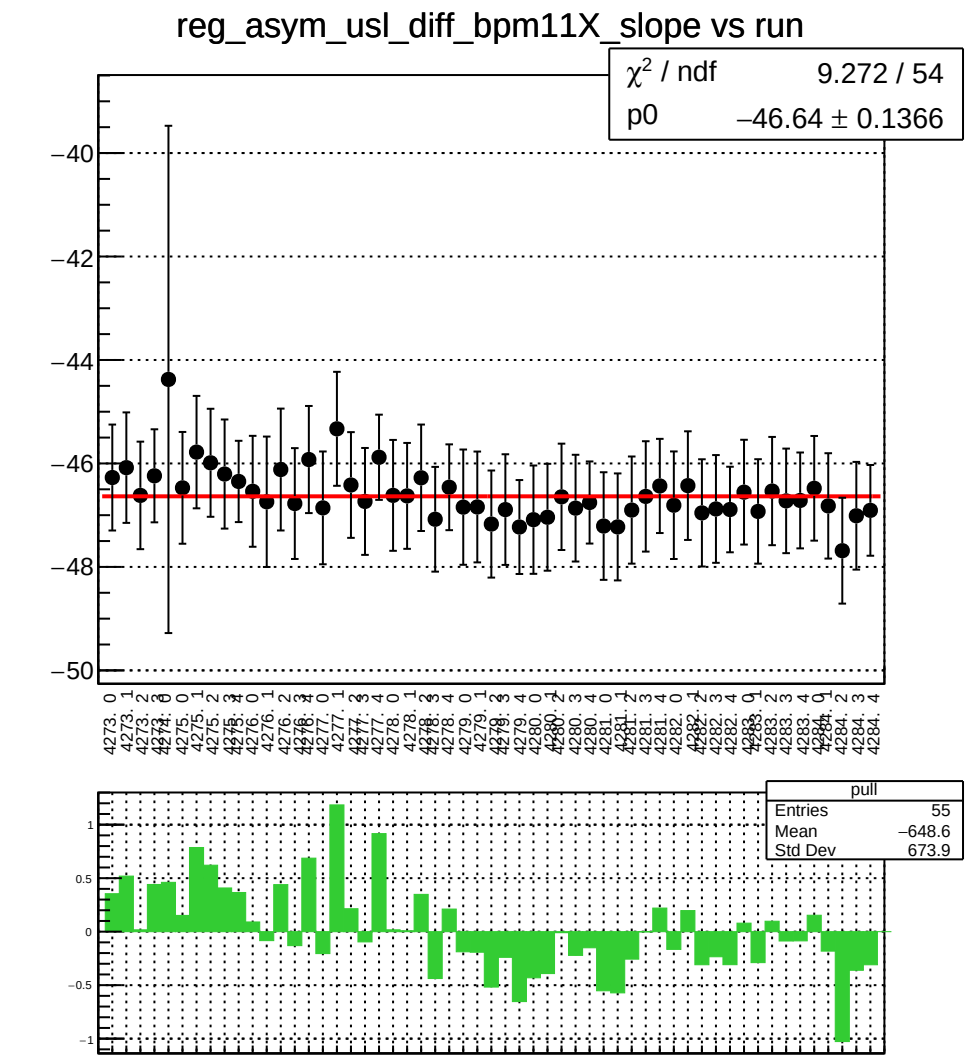

pull1D
Entries 55
Mean −0.0002479
Std Dev 0.4325

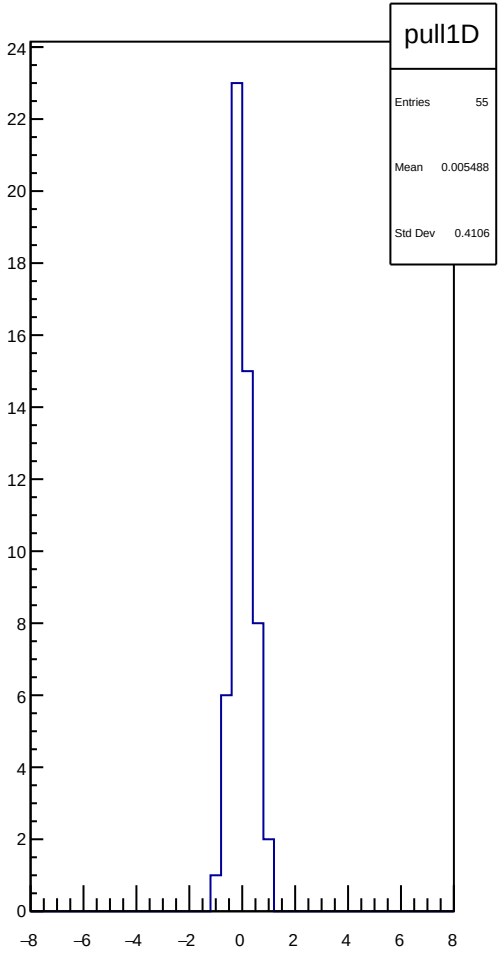

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 19.5 / 54
p0 −68.34 ± 0.1144
pull
Entries 55
Mean 1272
Std Dev 1239

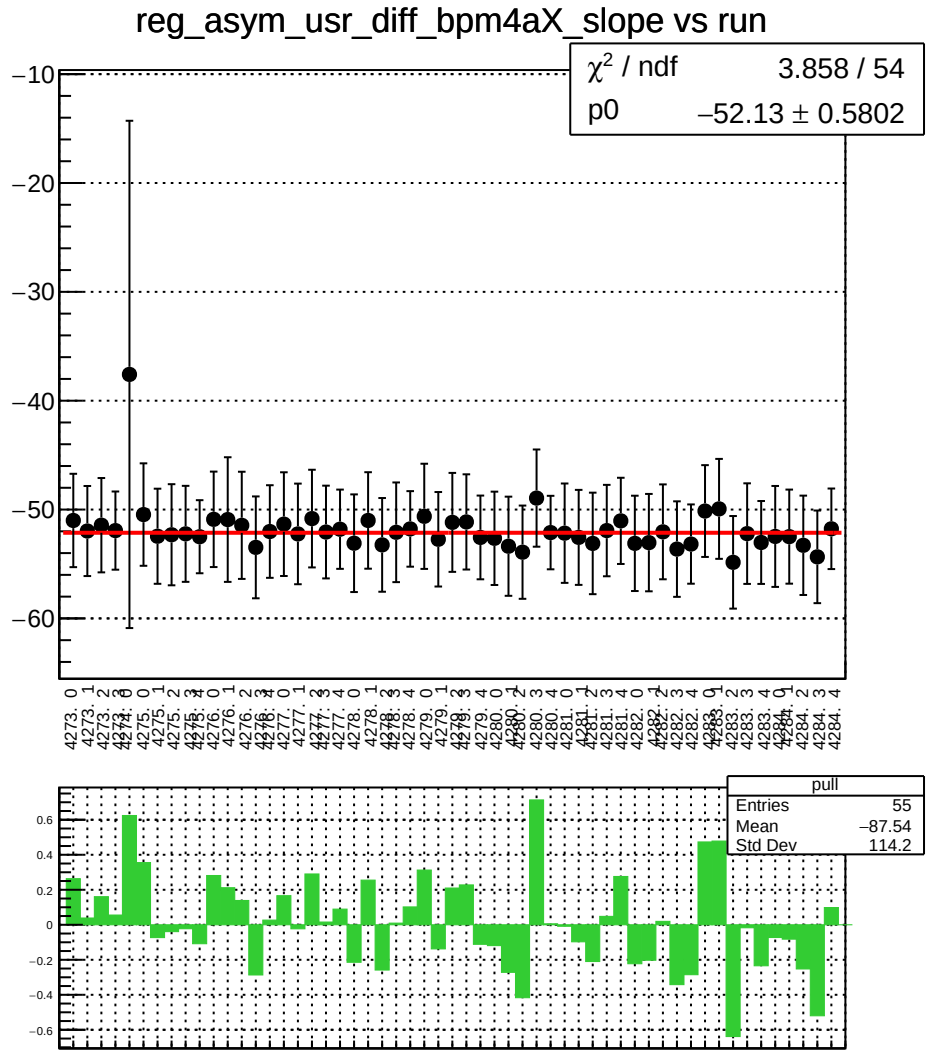

pull1D
Entries 55
Mean 0.001306
Std Dev 0.5954

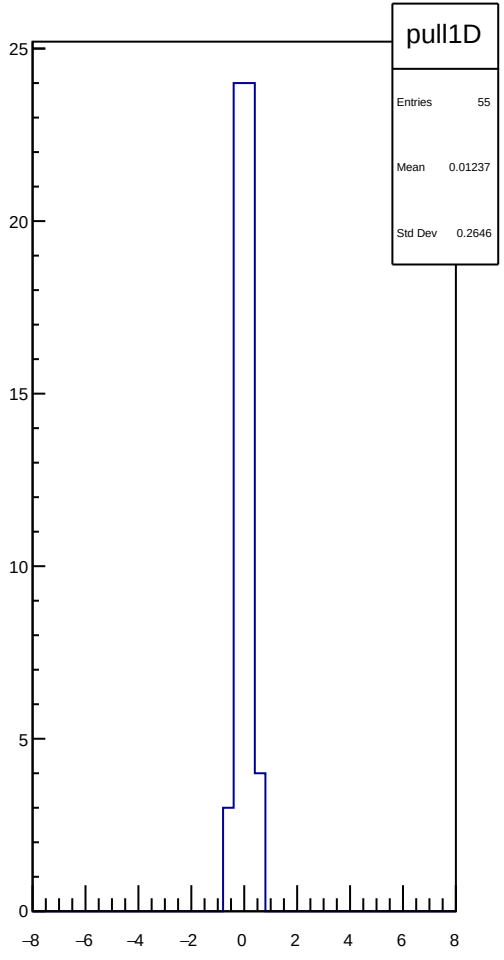

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 10.91 / 54
p0 9.333 ± 0.7907
pull
Entries 55
Mean 4445
Std Dev 4402

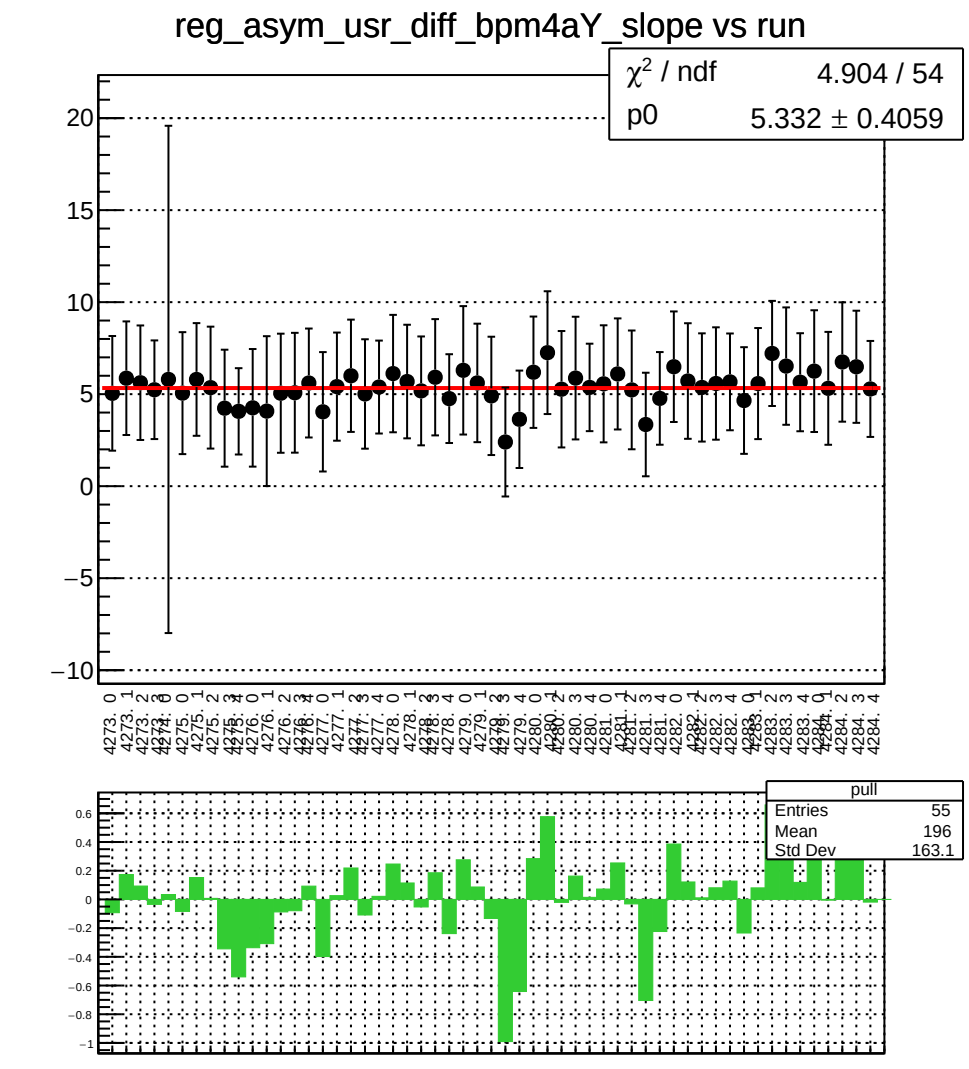

pull1D
Entries 55
Mean 0.0001267
Std Dev 0.4454

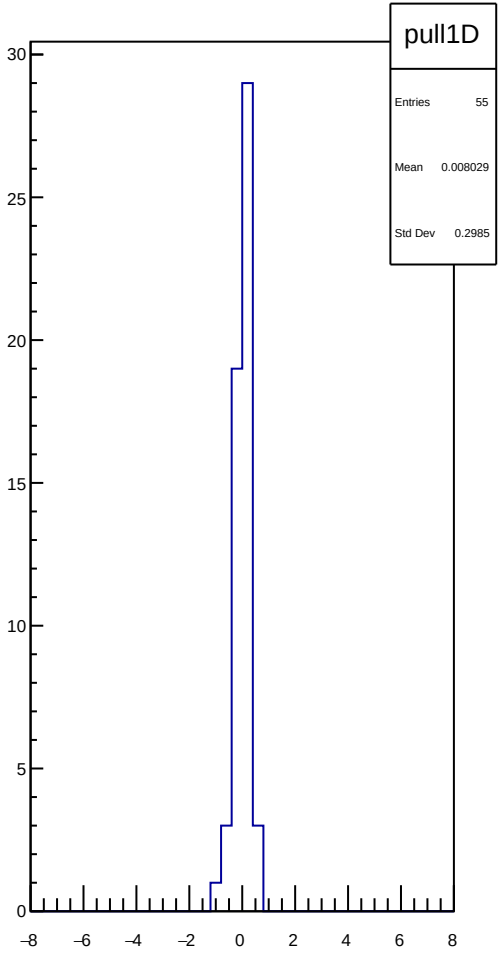

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 9.272 / 54
p0 −46.64 ± 0.1366
pull
Entries 55
Mean −648.6
Std Dev 673.9

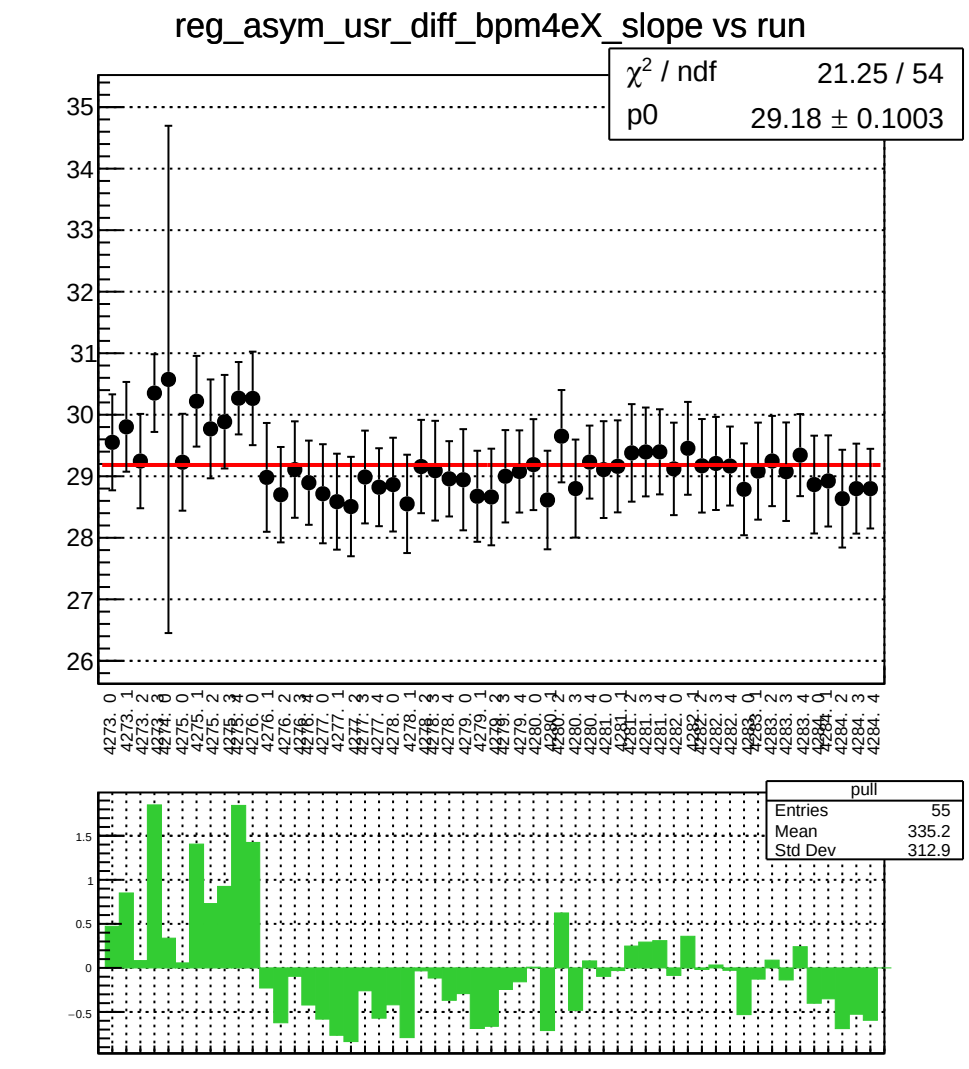

pull1D
Entries 55
Mean 0.005488
Std Dev 0.4106

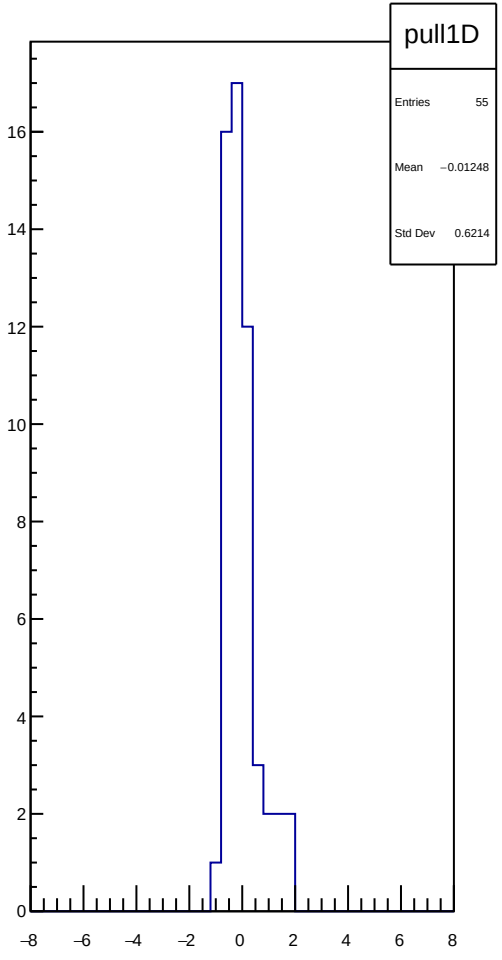

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 3.858 / 54
p0 –52.13 ± 0.5802
pull
Entries 55
Mean –87.54
Std Dev 114.2

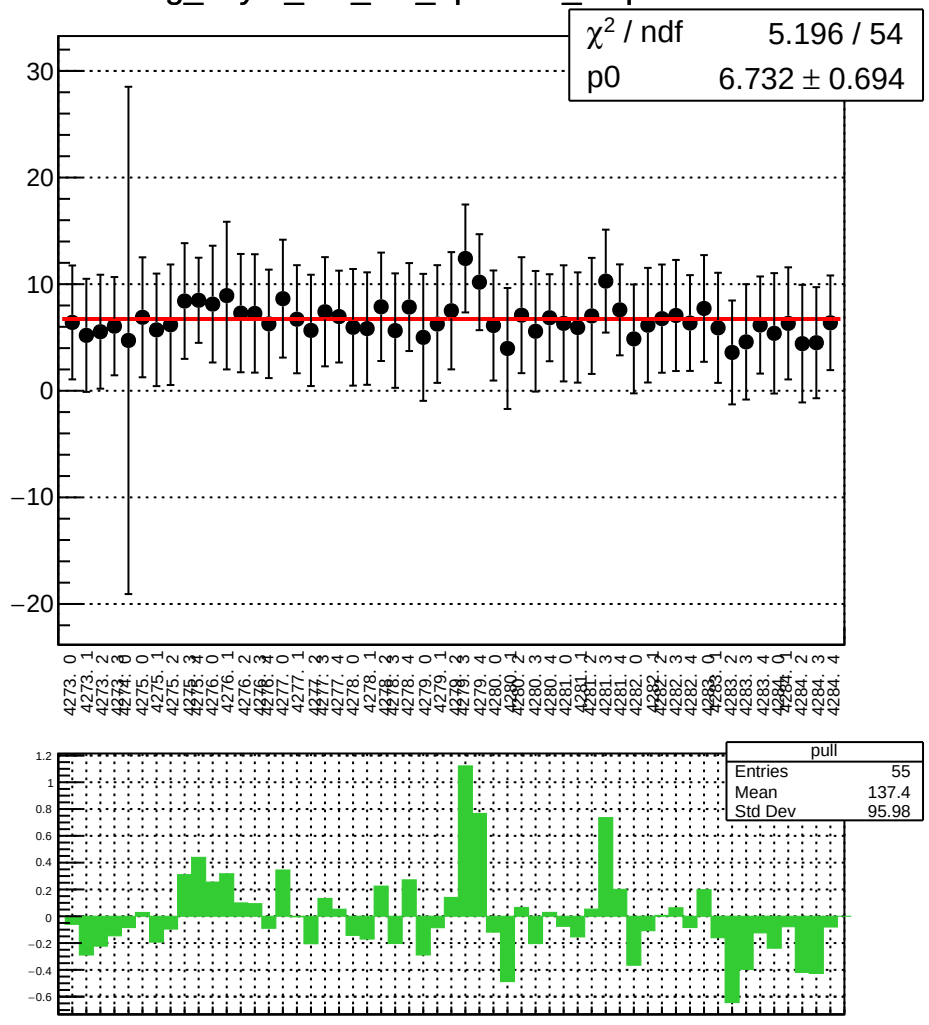

pull1D
Entries 55
Mean 0.01237
Std Dev 0.2646

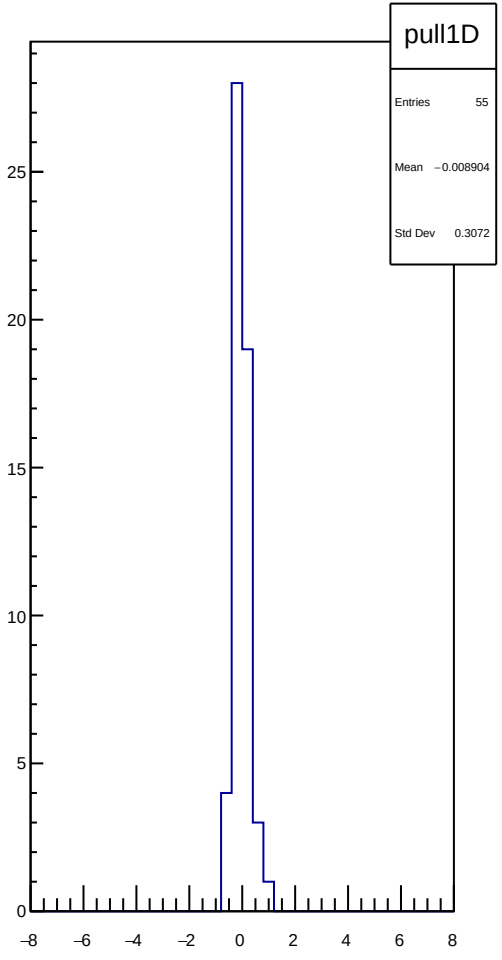

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 4.904 / 54
p0 5.332 ± 0.4059
pull
Entries 55
Mean 196
Std Dev 163.1

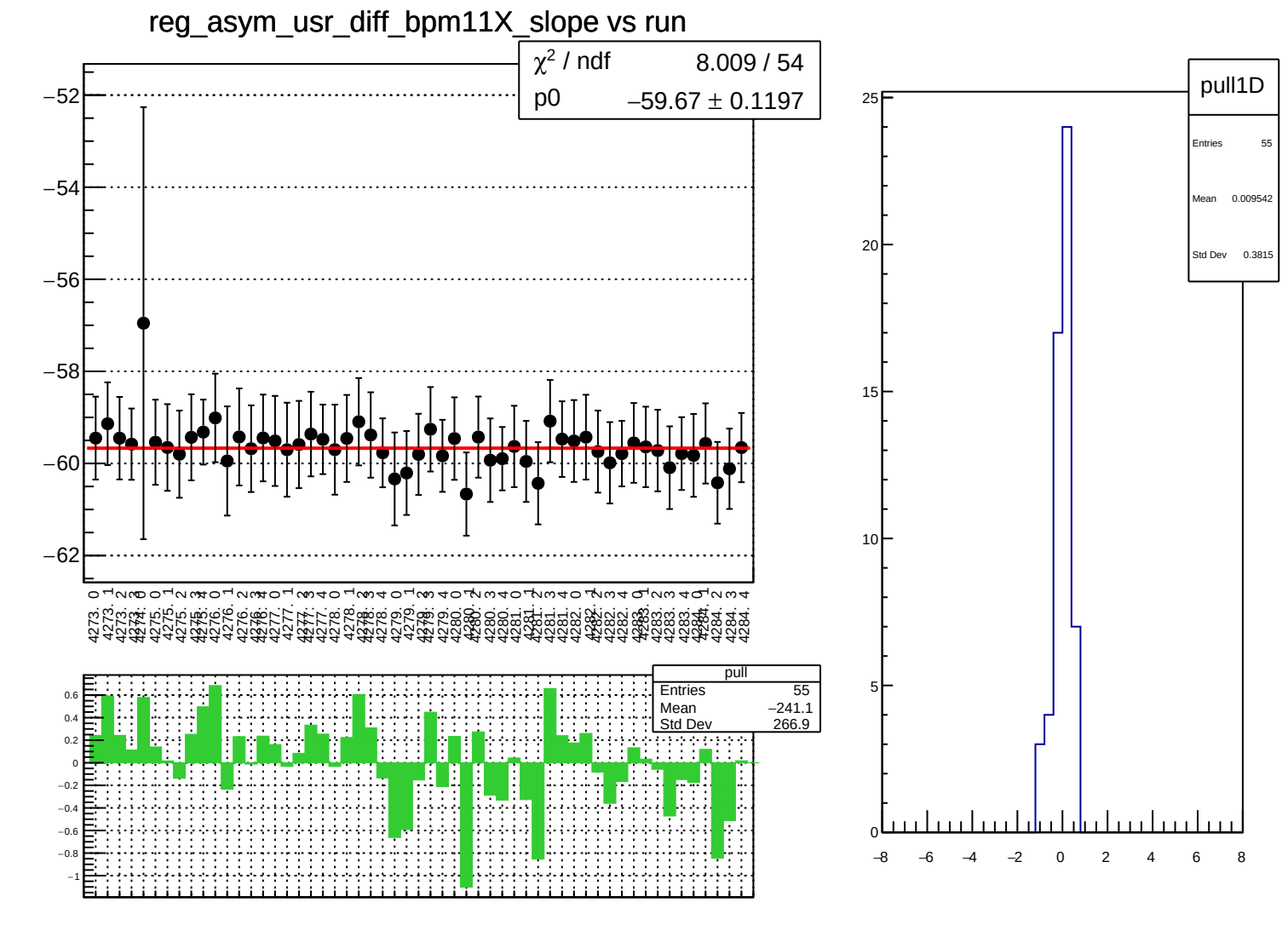

pull1D
Entries 55
Mean 0.008029
Std Dev 0.2985

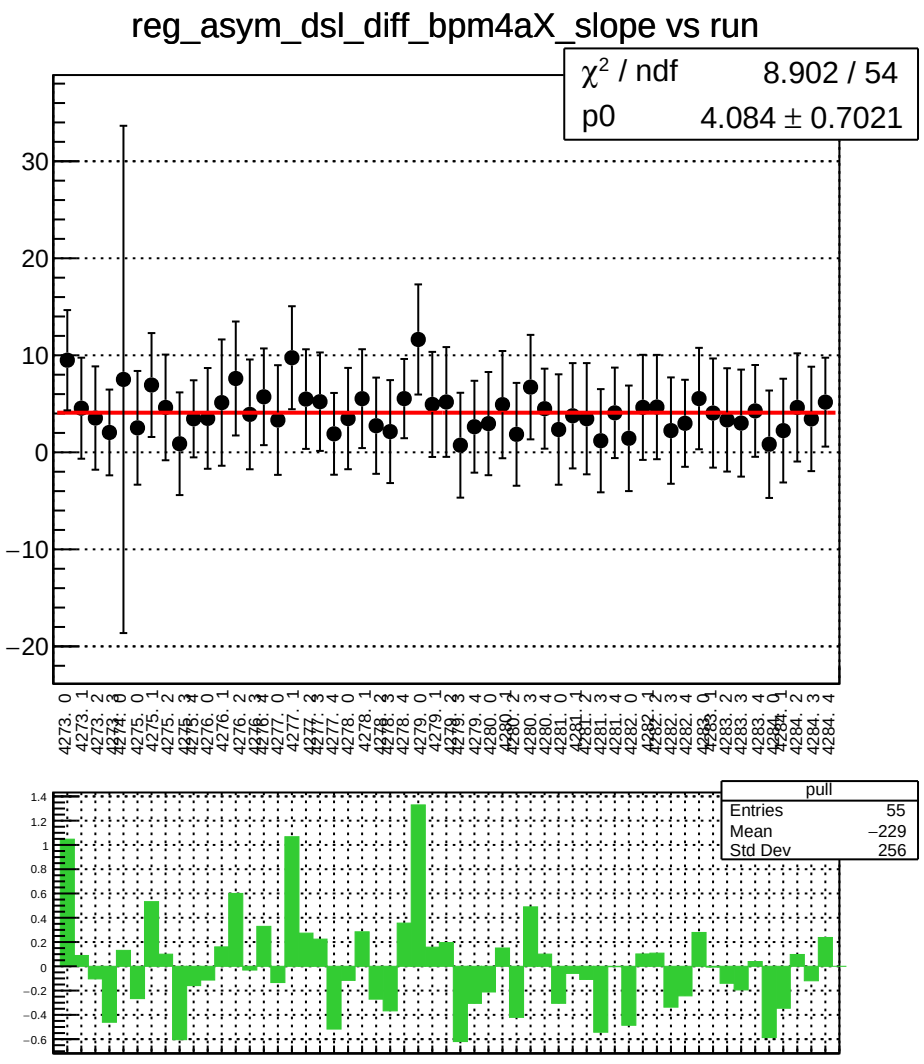

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 21.25 / 54
p0 29.18 ± 0.1003
pull
Entries 55
Mean 335.2
Std Dev 312.9

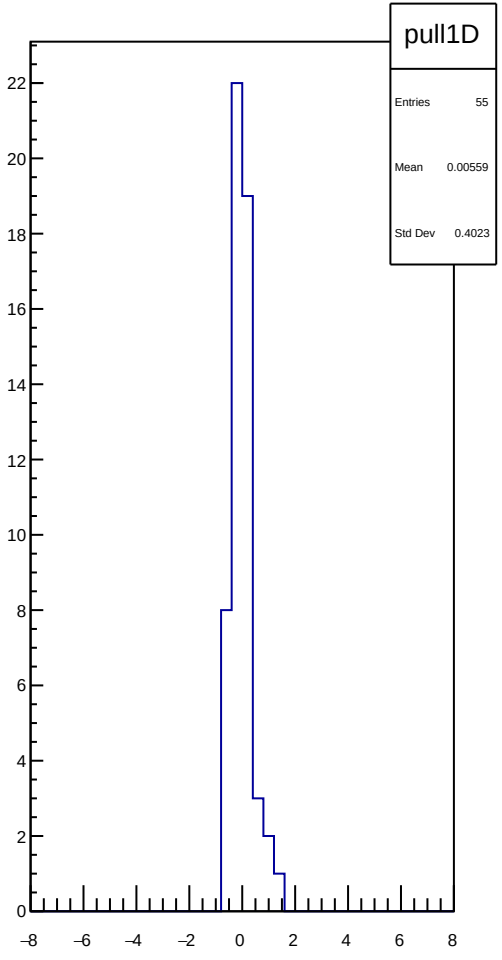

pull1D
Entries 55
Mean −0.01248
Std Dev 0.6214

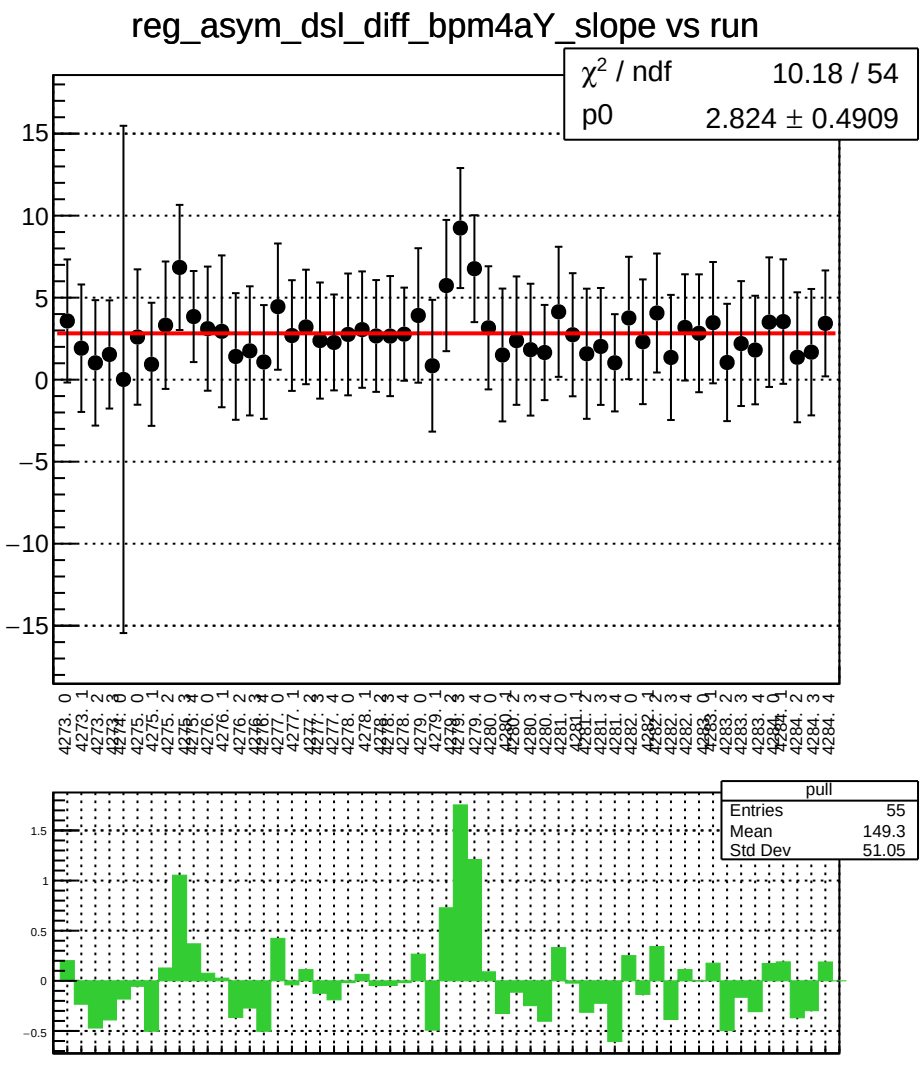

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 5.196 / 54
p0 6.732 ± 0.694
pull
Entries 55
Mean 137.4
Std Dev 95.98

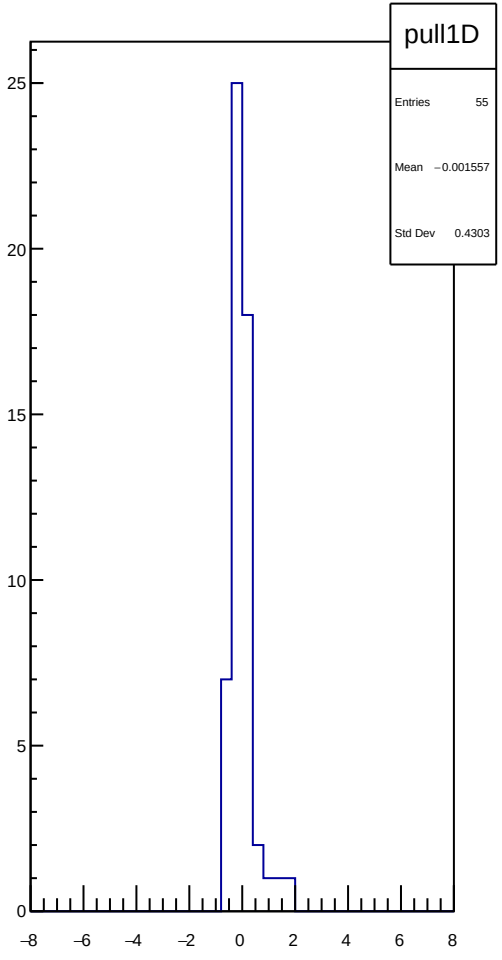

pull1D
Entries 55
Mean −0.008904
Std Dev 0.3072

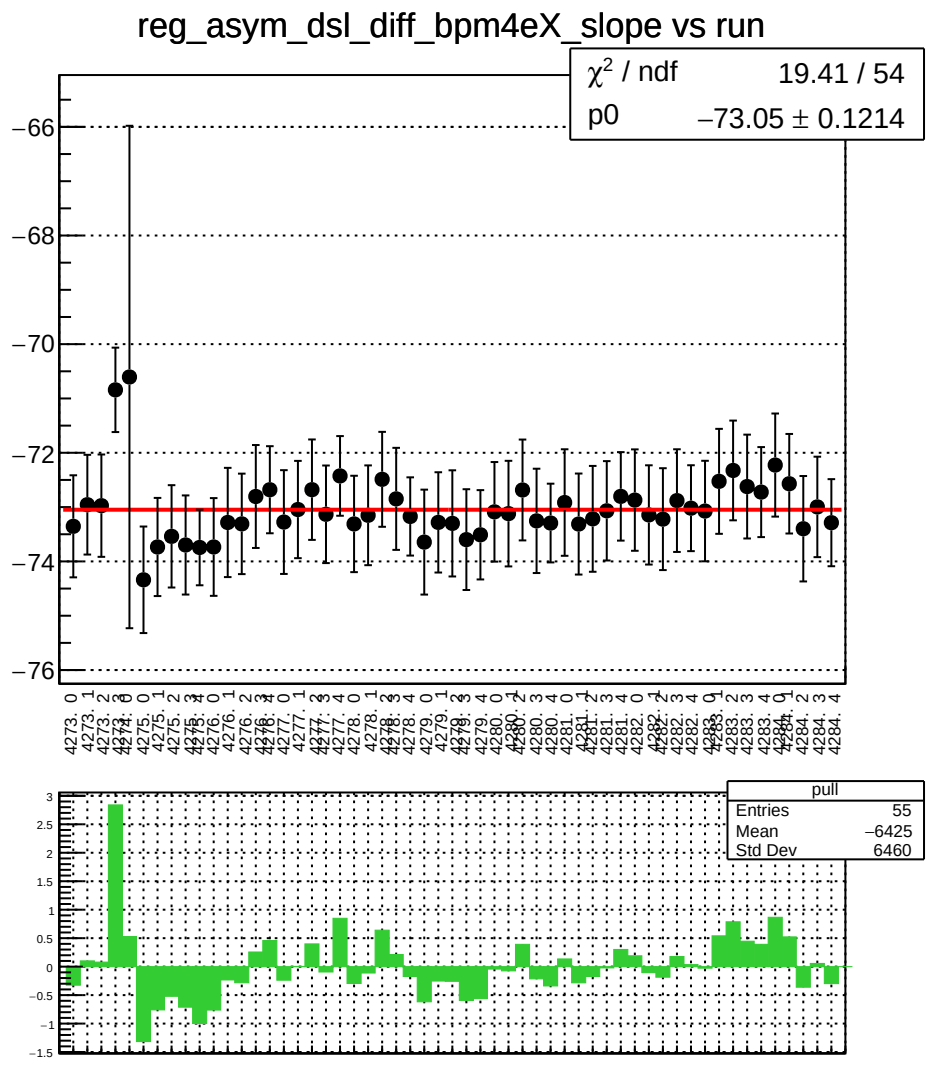

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 8.009 / 54
p0 −59.67 ± 0.1197
pull
Entries 55
Mean −241.1
Std Dev 266.9
pull1D
Entries 55
Mean 0.009542
Std Dev 0.3815

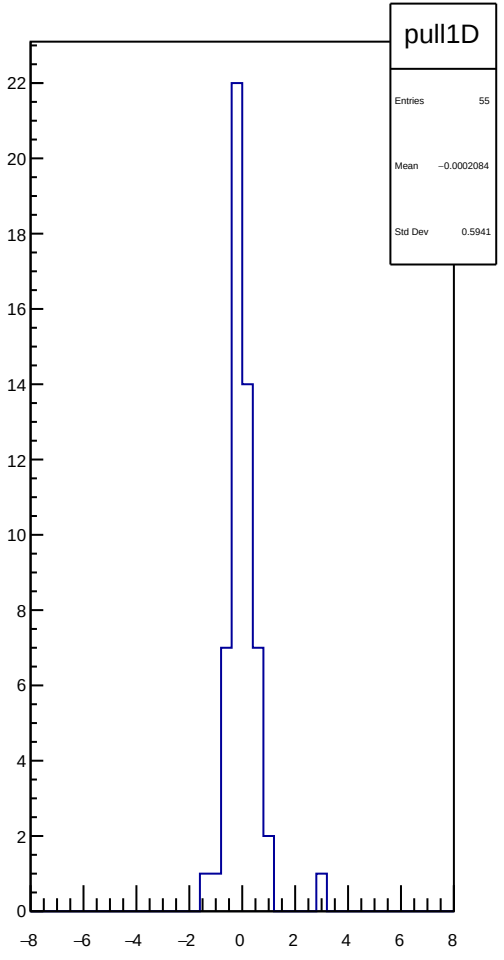

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 8.902 / 54
p0 4.084 ± 0.7021
pull
Entries 55
Mean −229
Std Dev 256

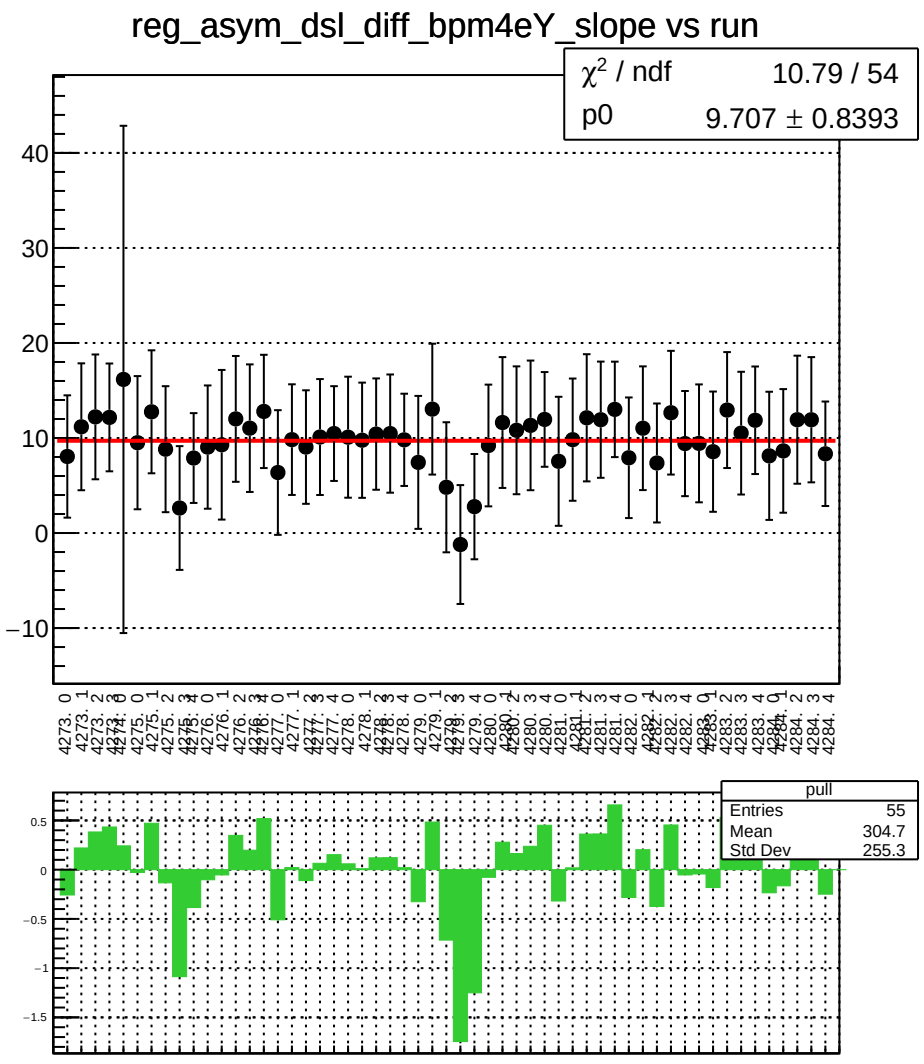

pull1D
Entries 55
Mean 0.00559
Std Dev 0.4023

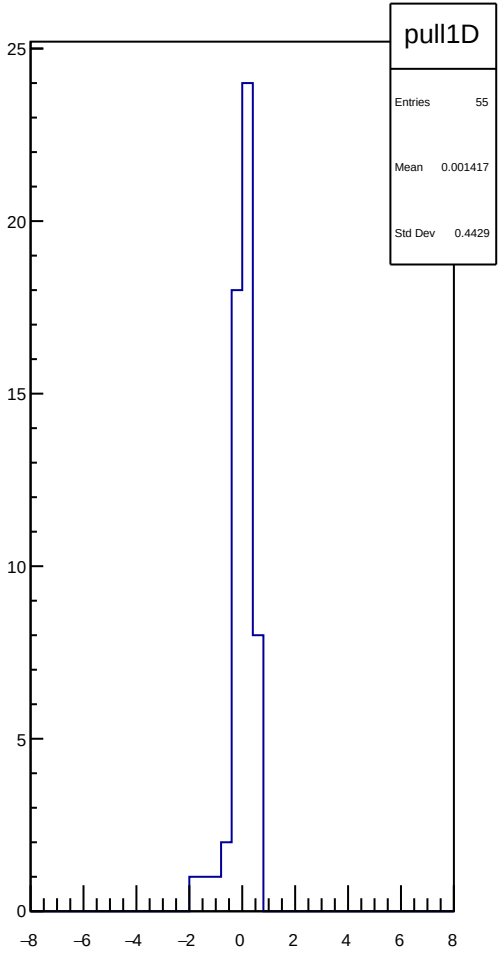

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 10.18 / 54
p0 2.824 ± 0.4909
pull
Entries 55
Mean 149.3
Std Dev 51.05

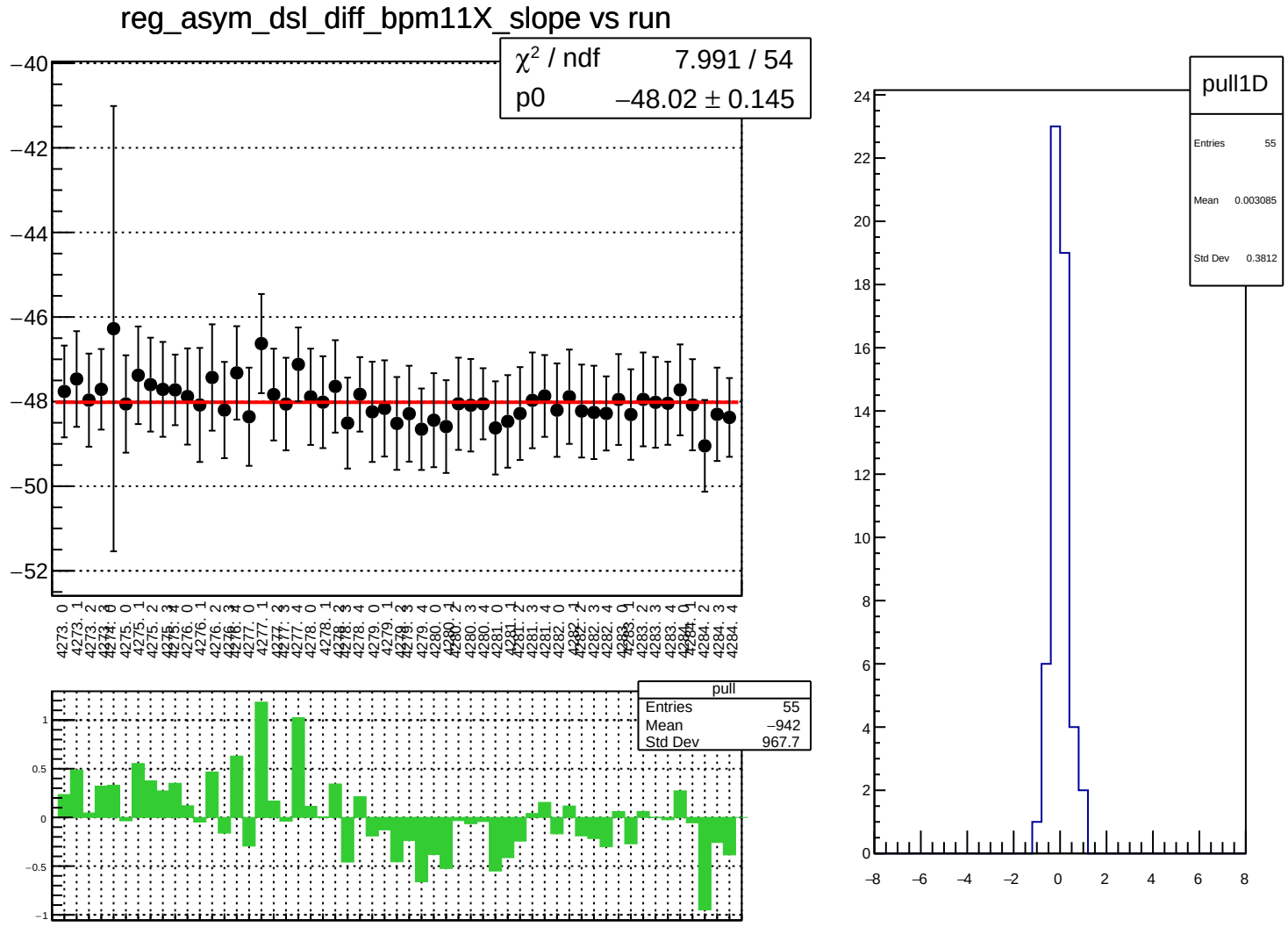

pull1D
Entries 55
Mean −0.001557
Std Dev 0.4303

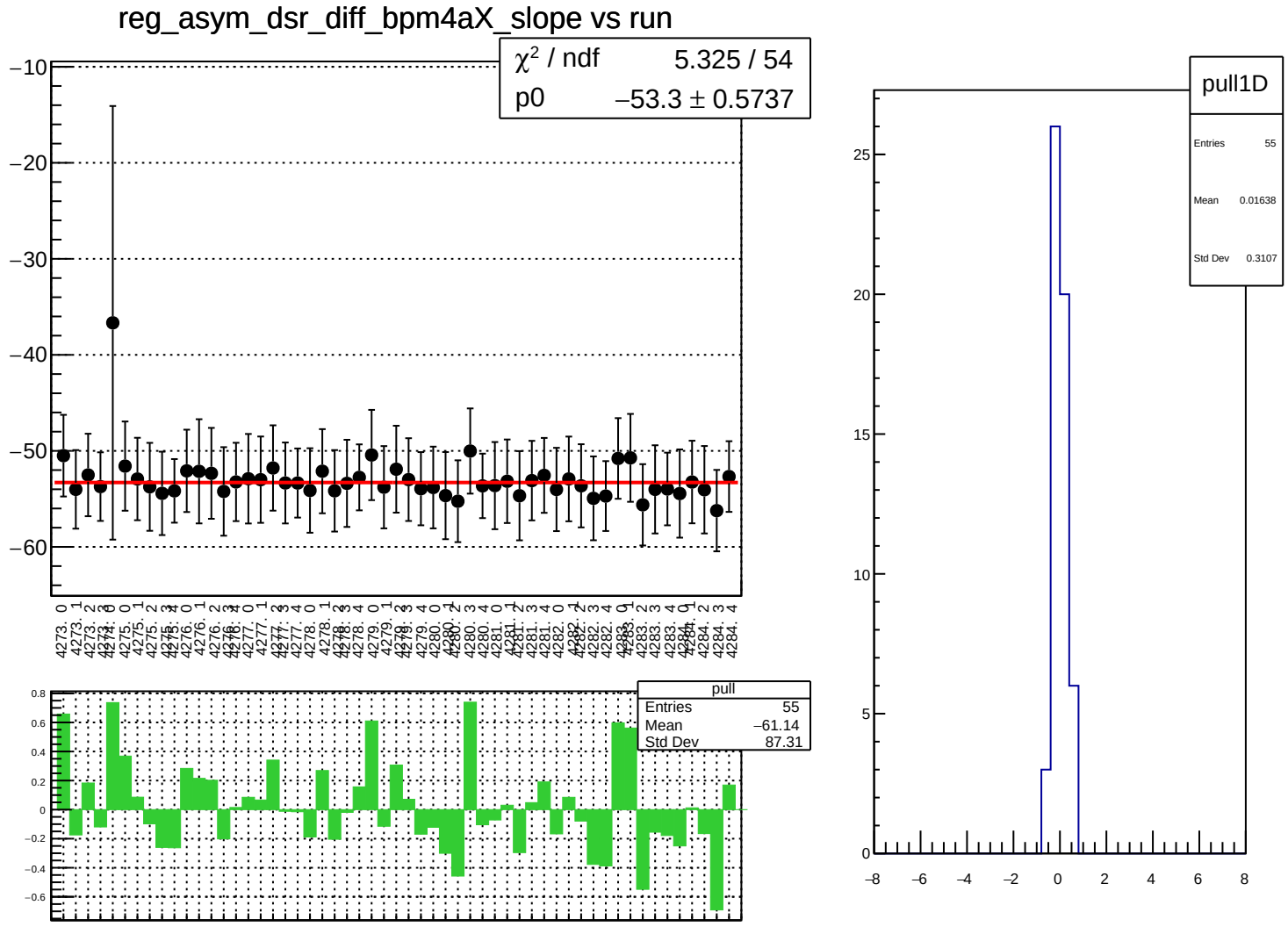

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 19.41 / 54
p0 −73.05 ± 0.1214
pull
Entries 55
Mean −6425
Std Dev 6460

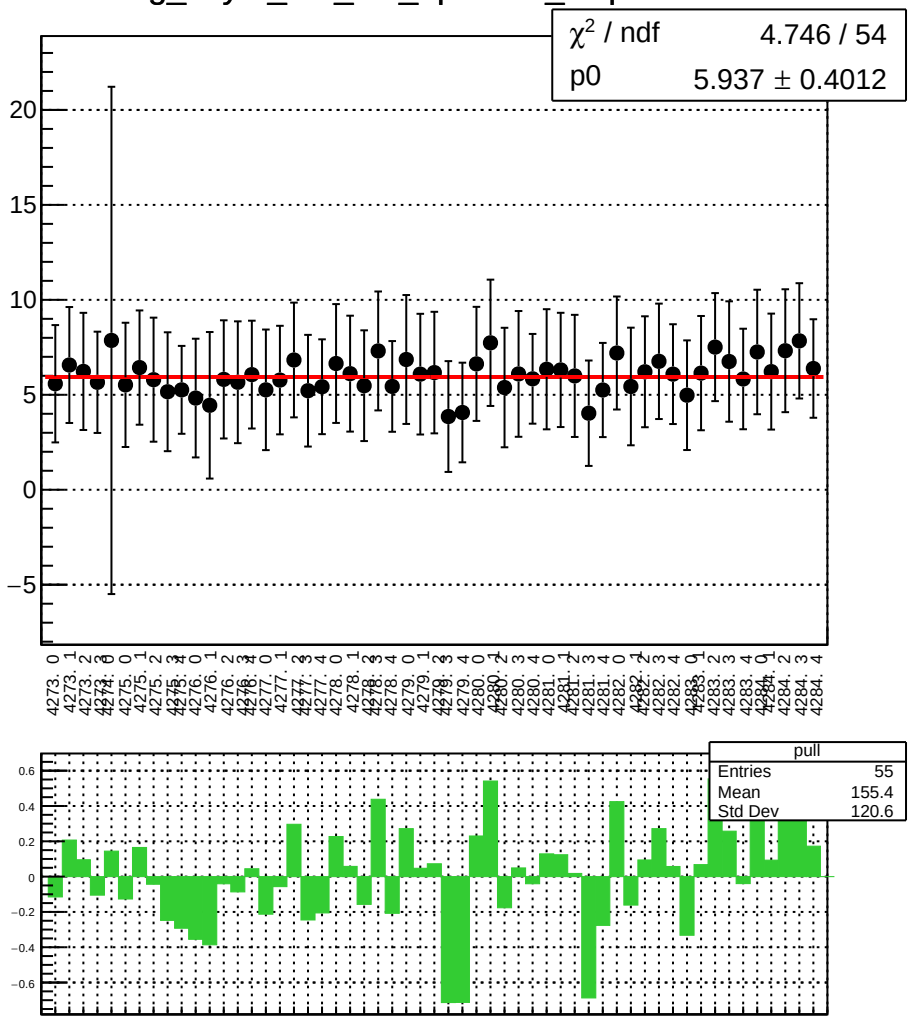

pull1D
Entries 55
Mean −0.0002084
Std Dev 0.5941

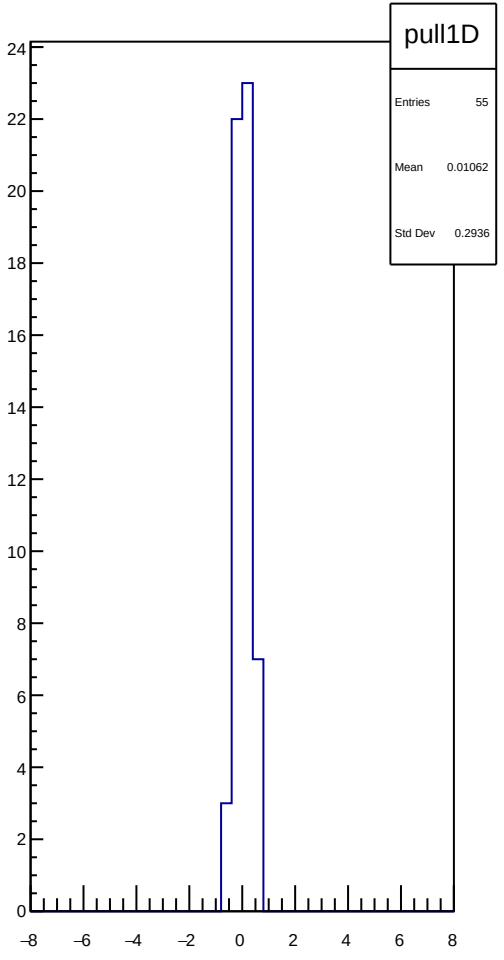

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 10.79 / 54
p0 9.707 ± 0.8393
pull
Entries 55
Mean 304.7
Std Dev 255.3

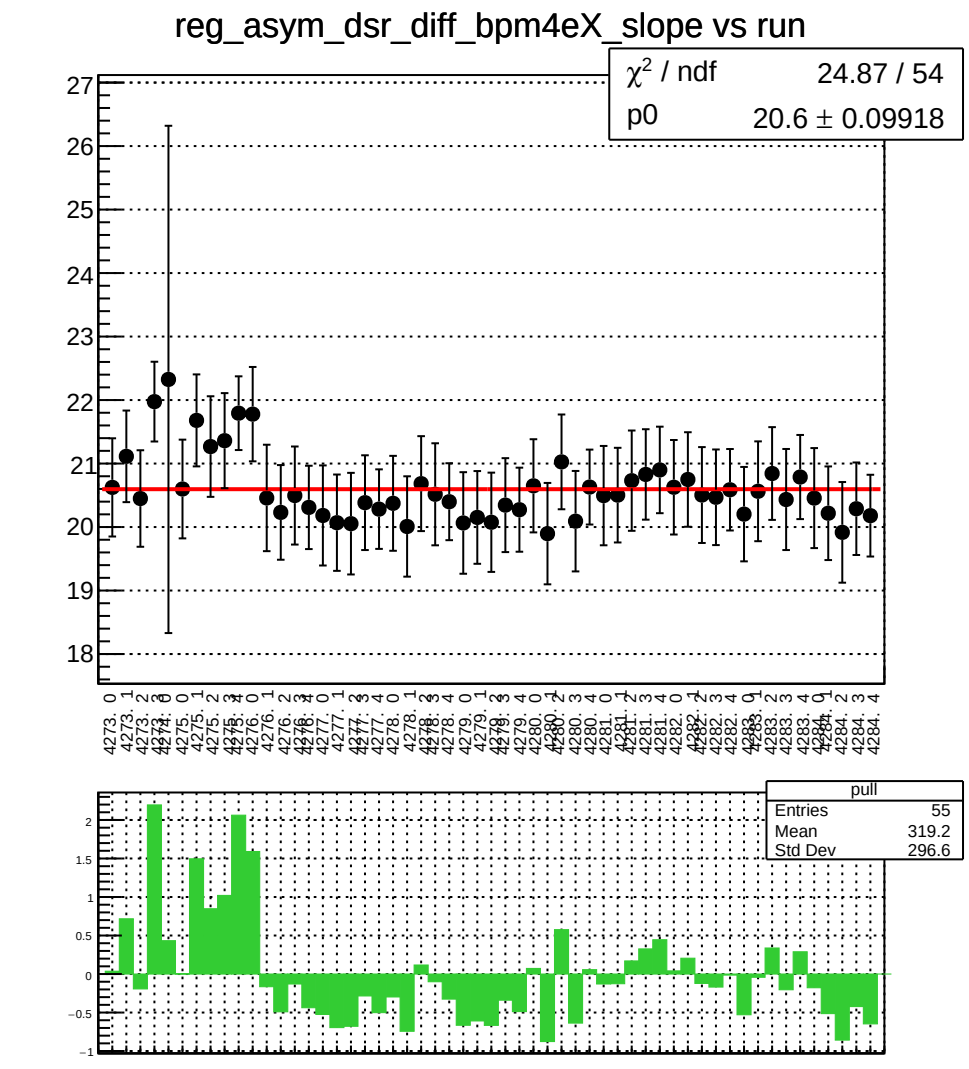

pull1D
Entries 55
Mean 0.001417
Std Dev 0.4429

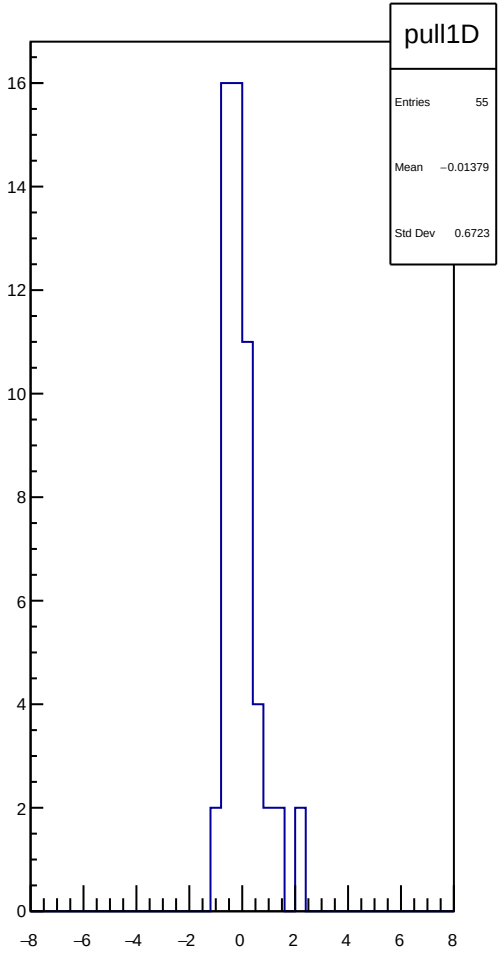

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 7.991 / 54
p0 −48.02 ± 0.145
pull
Entries 55
Mean −942
Std Dev 967.7
pull1D
Entries 55
Mean 0.003085
Std Dev 0.3812

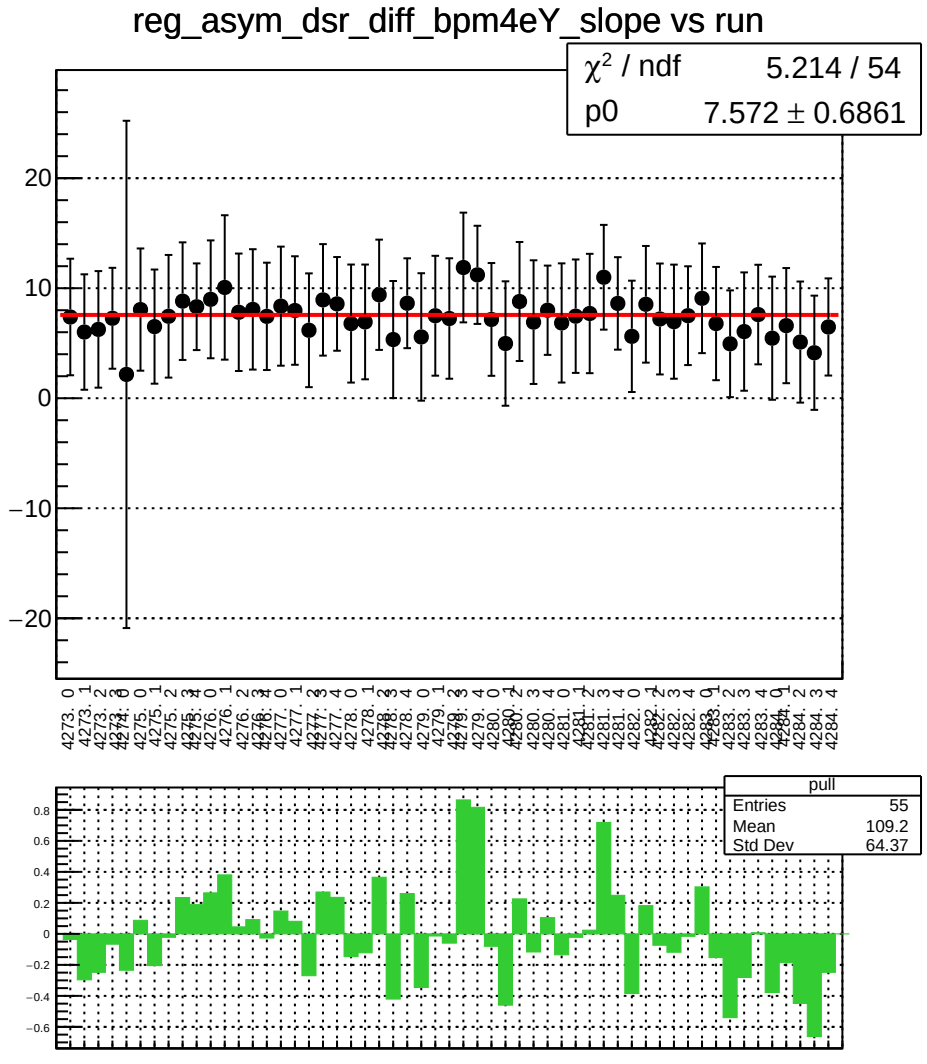

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 5.325 / 54
p0 −53.3 ± 0.5737
pull
Entries 55
Mean −61.14
Std Dev 87.31
pull1D
Entries 55
Mean 0.01638
Std Dev 0.3107

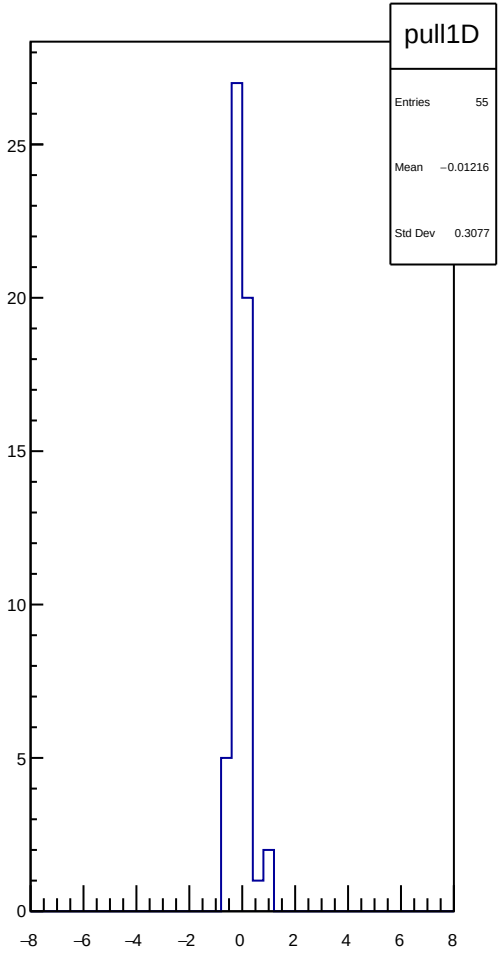

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 4.746 / 54
p0 5.937 ± 0.4012
pull
Entries 55
Mean 155.4
Std Dev 120.6

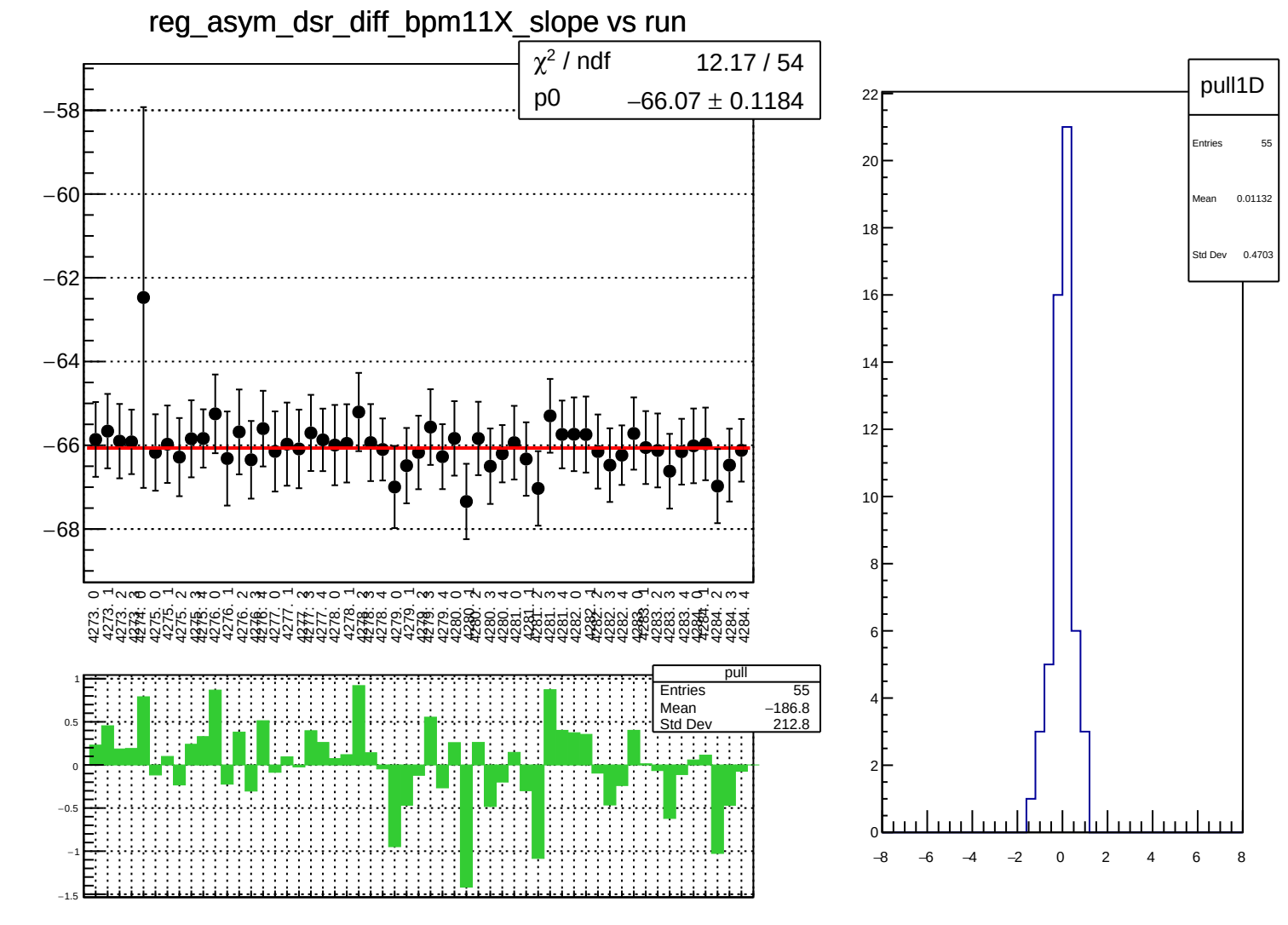

pull1D
Entries 55
Mean 0.01062
Std Dev 0.2936

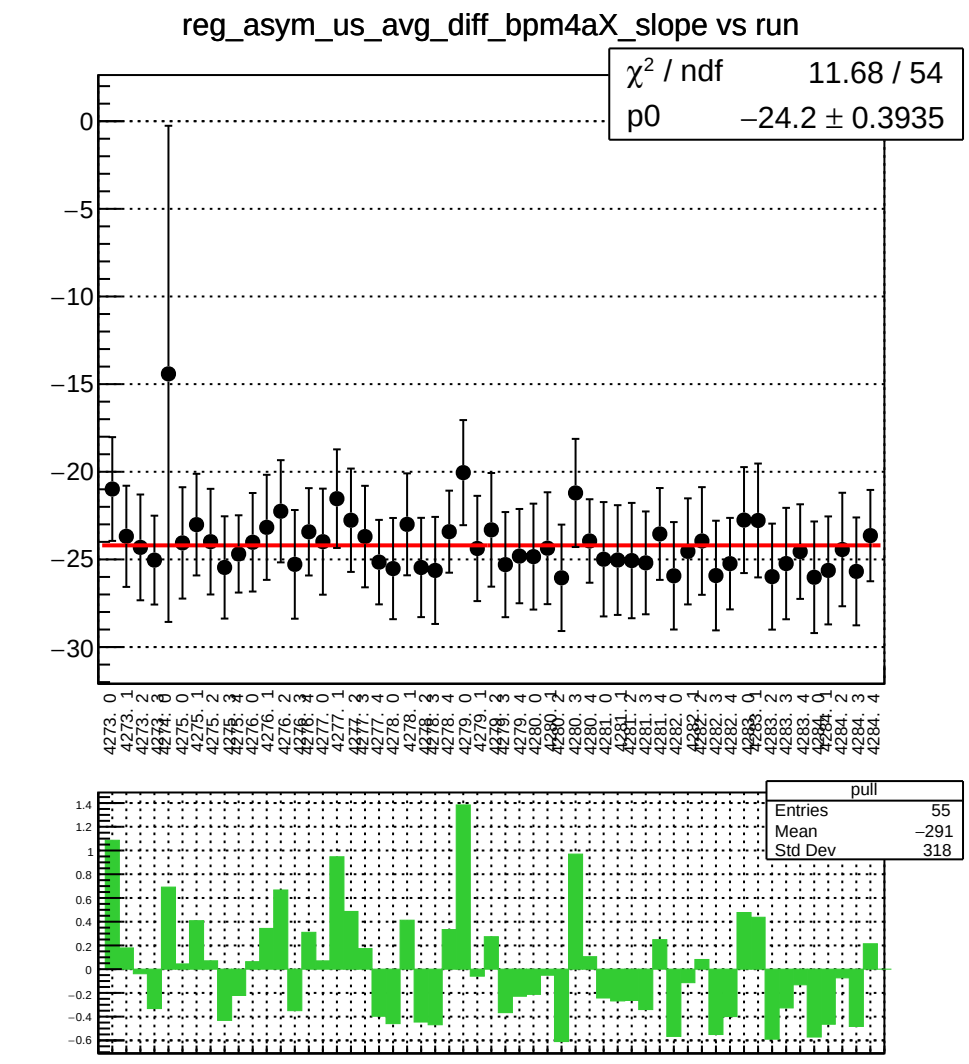

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 24.87 / 54
p0 20.6 ± 0.09918
pull
Entries 55
Mean 319.2
Std Dev 296.6

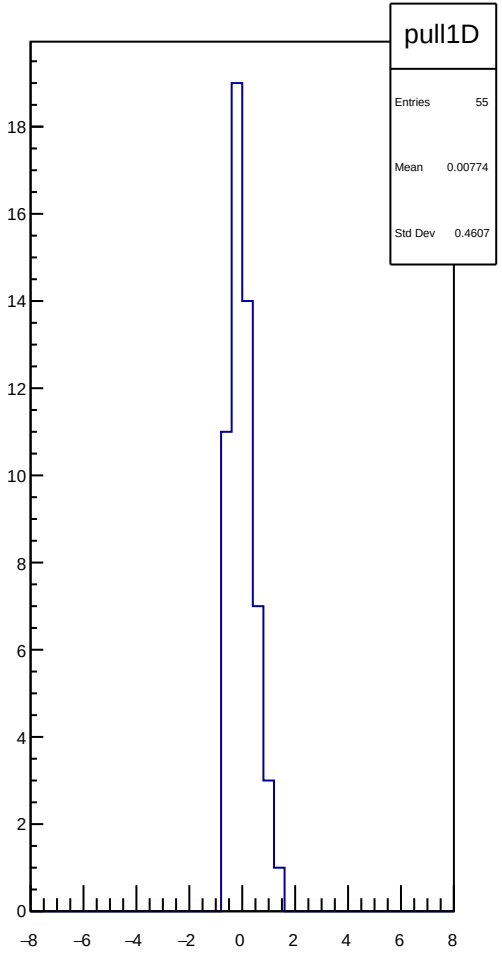

pull1D
Entries 55
Mean −0.01379
Std Dev 0.6723

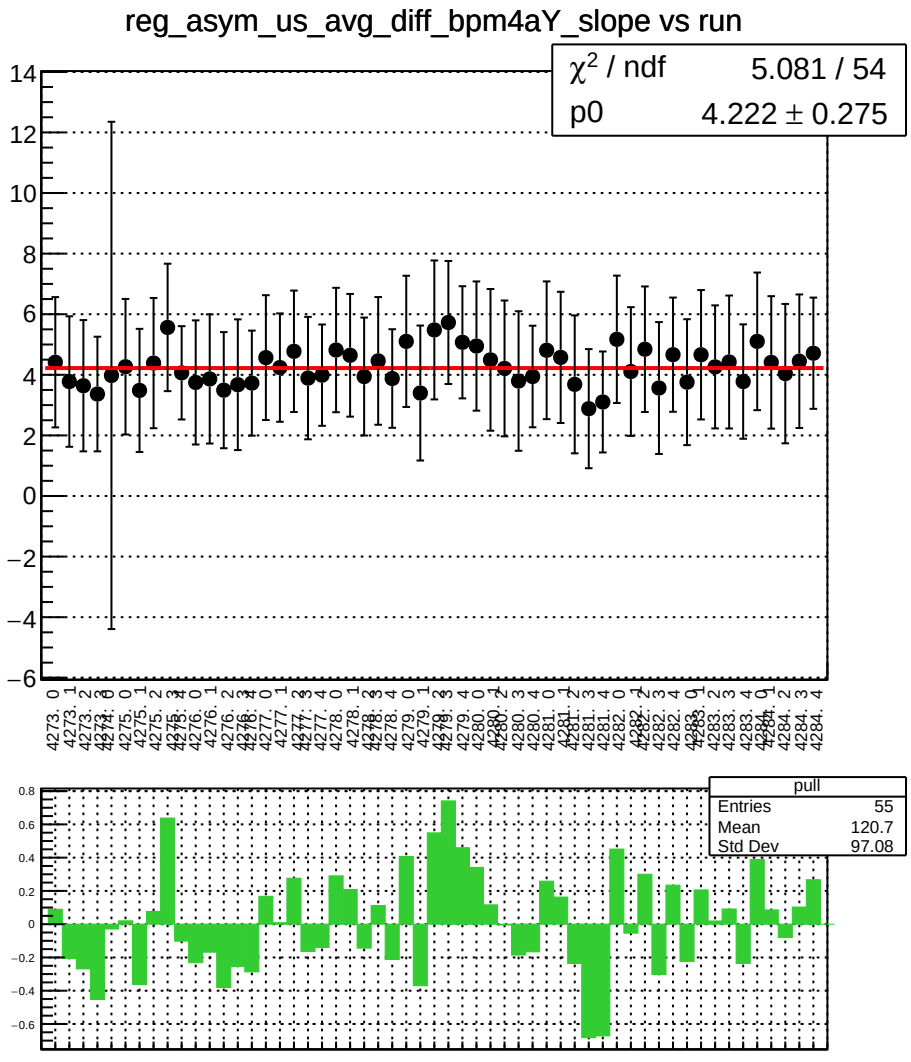

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 5.214 / 54
p0 7.572 ± 0.6861
pull
Entries 55
Mean 109.2
Std Dev 64.37

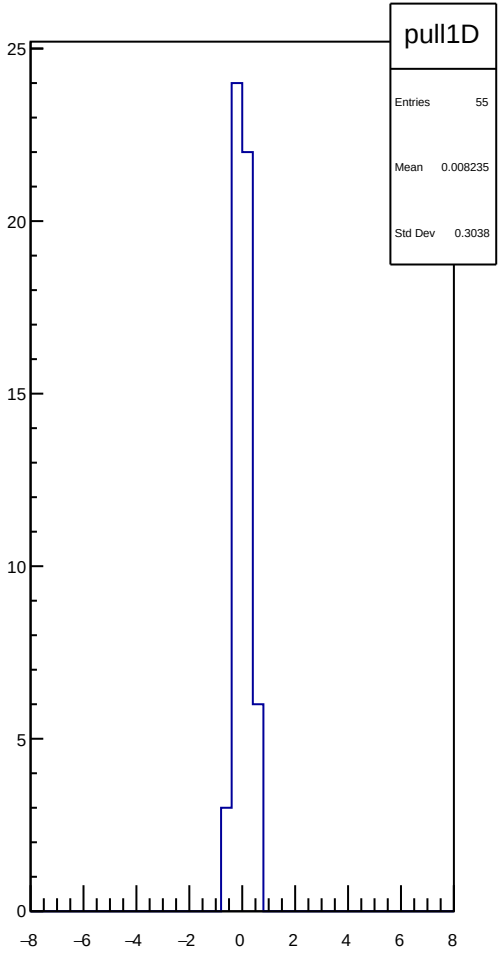

pull1D
Entries 55
Mean −0.01216
Std Dev 0.3077

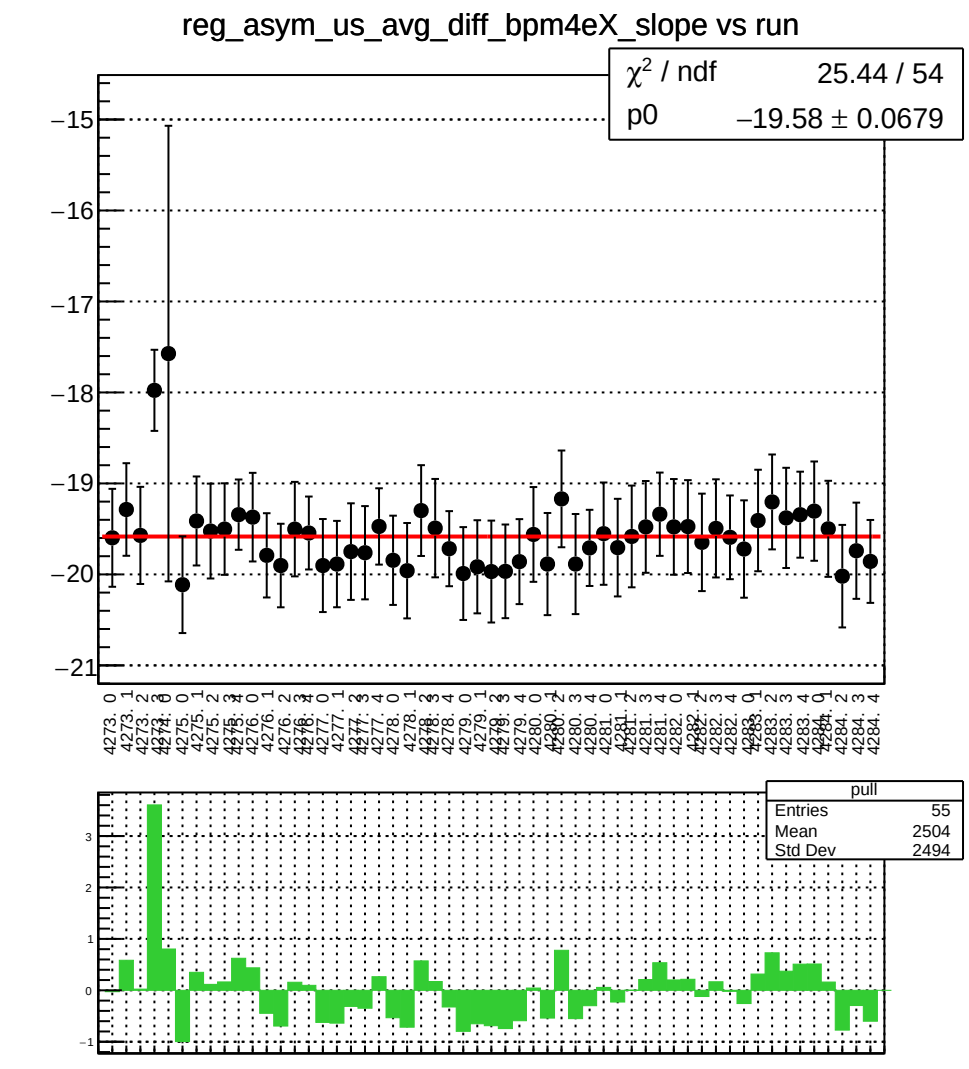

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 12.17 / 54
p0 −66.07 ± 0.1184
pull
Entries 55
Mean −186.8
Std Dev 212.8
pull1D
Entries 55
Mean 0.01132
Std Dev 0.4703

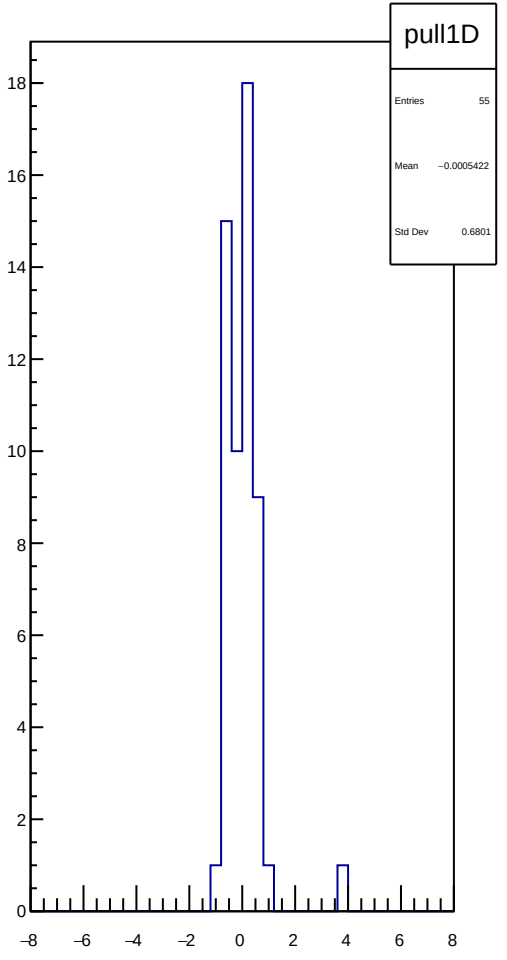

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 11.68 / 54
p0 −24.2 ± 0.3935
pull
Entries 55
Mean −291
Std Dev 318

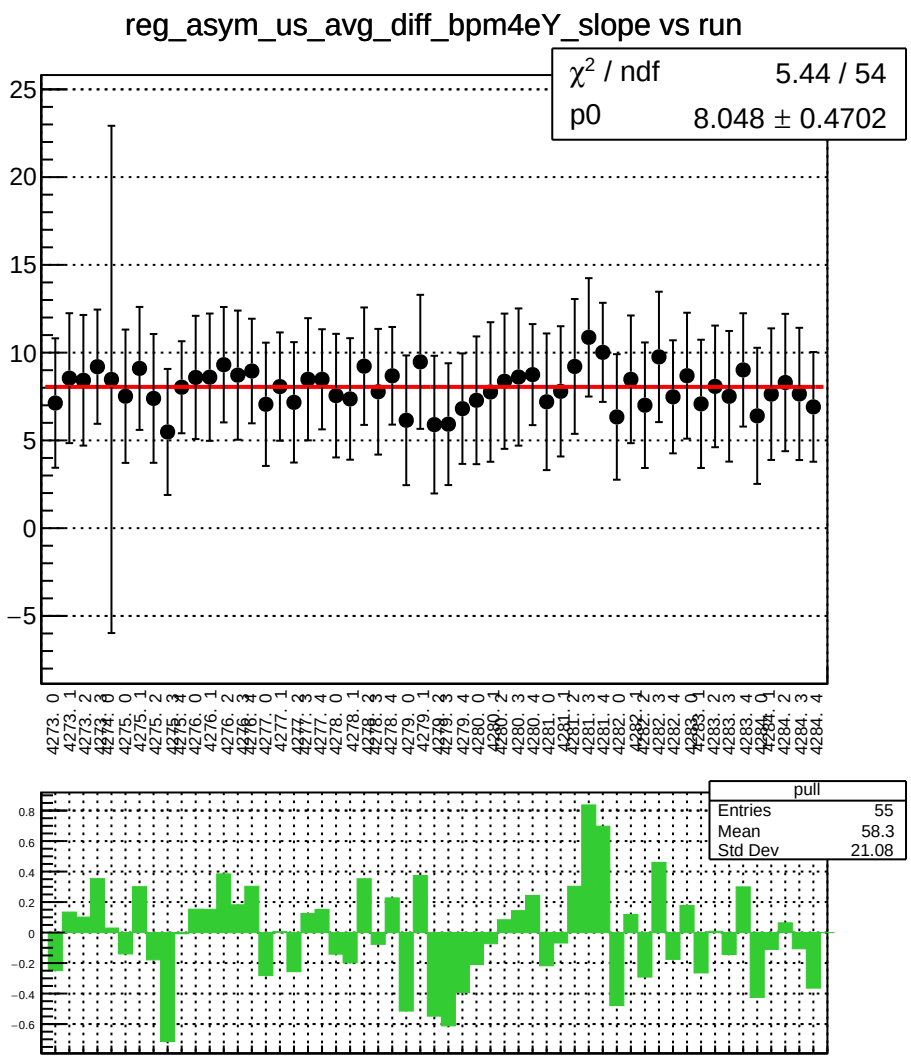

pull1D
Entries 55
Mean 0.00774
Std Dev 0.4607

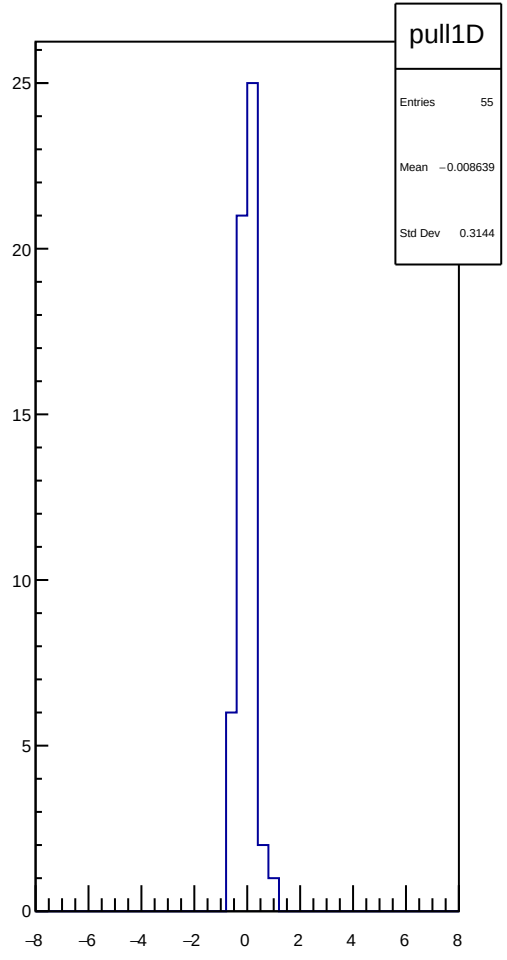

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.081 / 54
p0 4.222 ± 0.275
pull
Entries 55
Mean 120.7
Std Dev 97.08

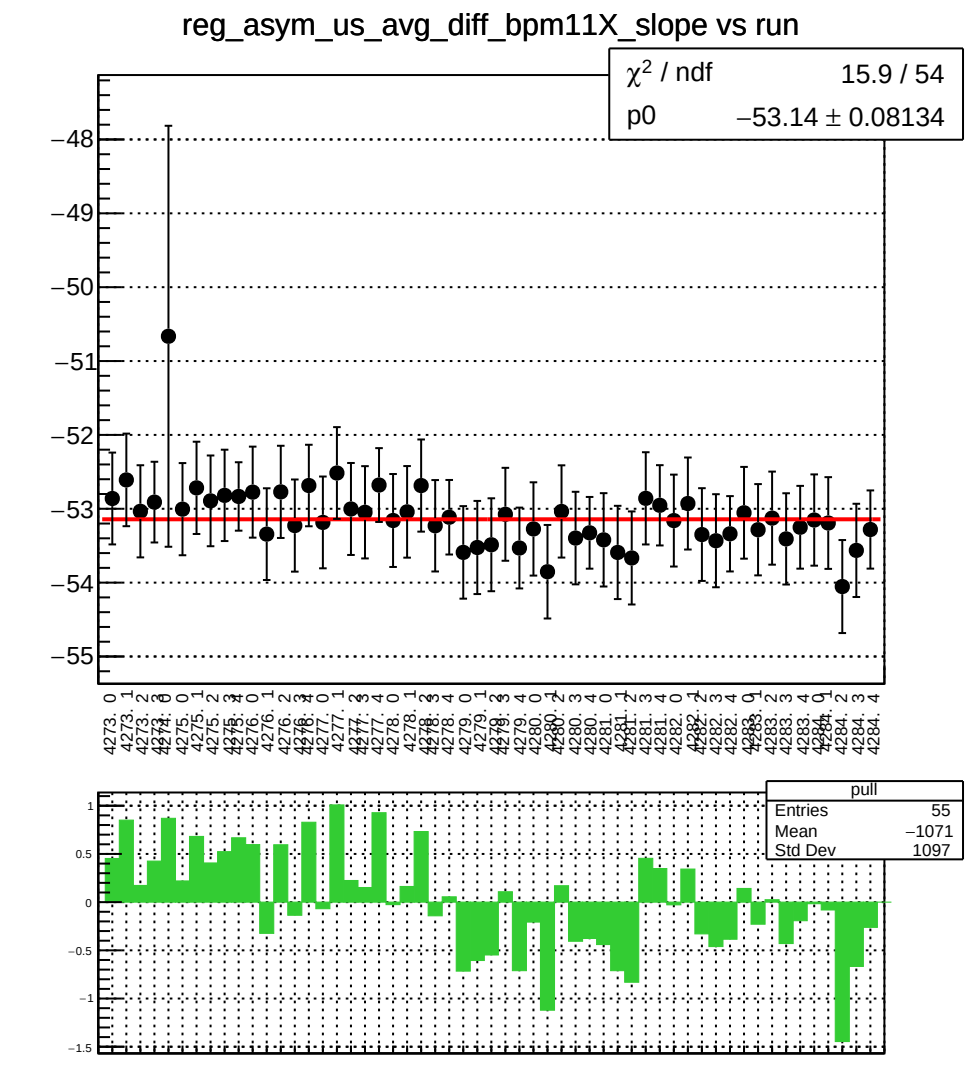

pull1D
Entries 55
Mean 0.008235
Std Dev 0.3038

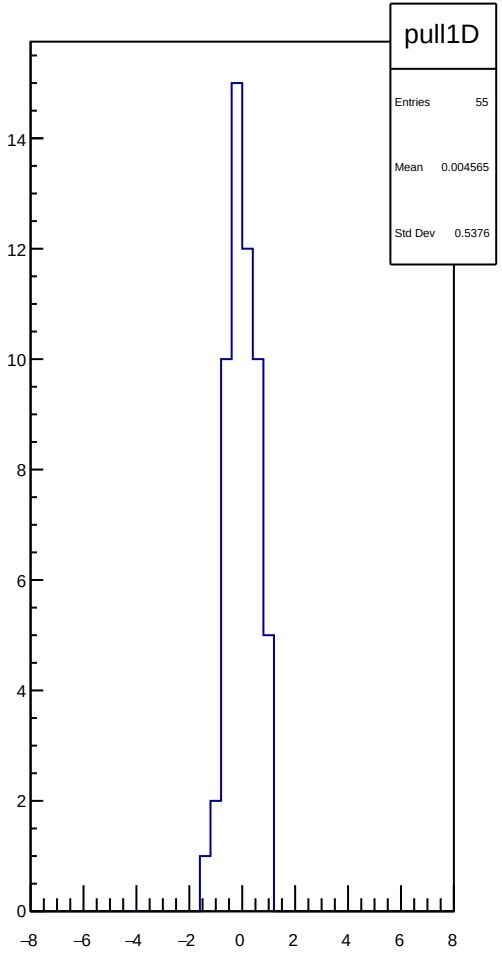

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.44 / 54
p0 −19.58 ± 0.0679
pull
Entries 55
Mean 2504
Std Dev 2494

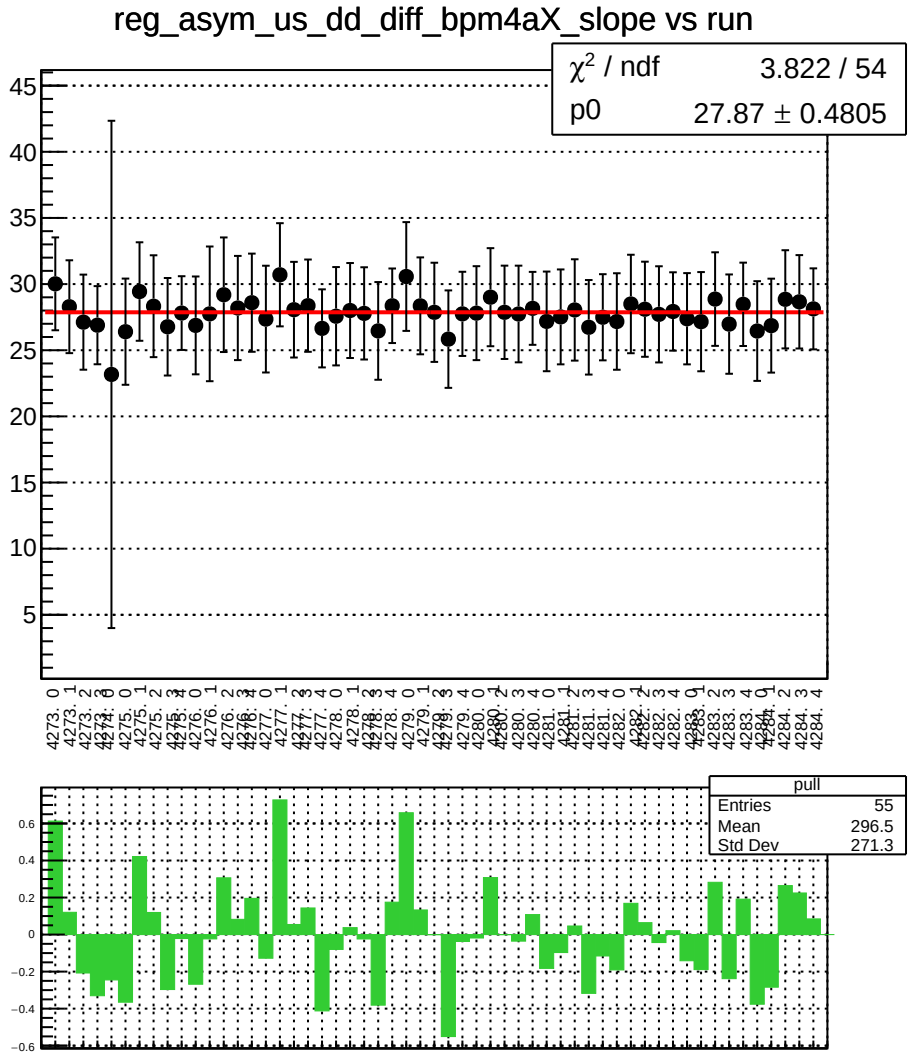

pull1D
Entries 55
Mean −0.0005422
Std Dev 0.6801

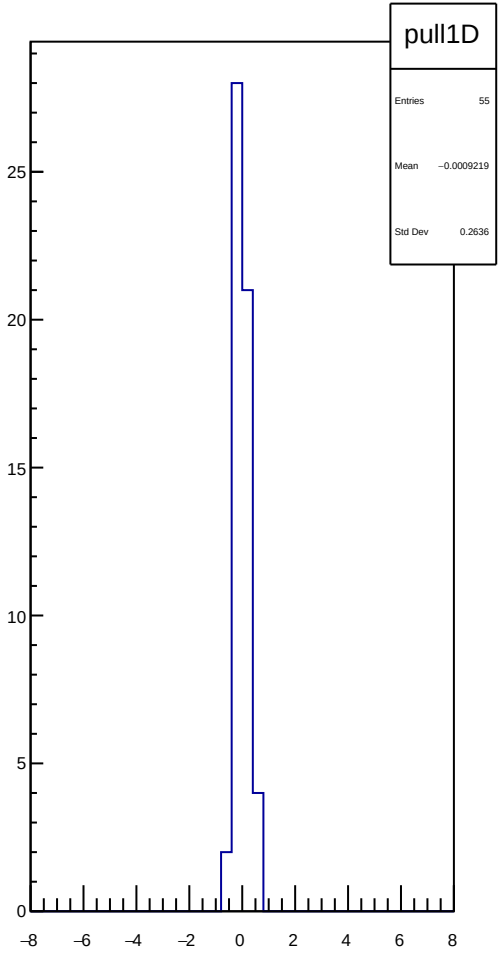

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.44 / 54
p0 8.048 ± 0.4702
pull
Entries 55
Mean 58.3
Std Dev 21.08

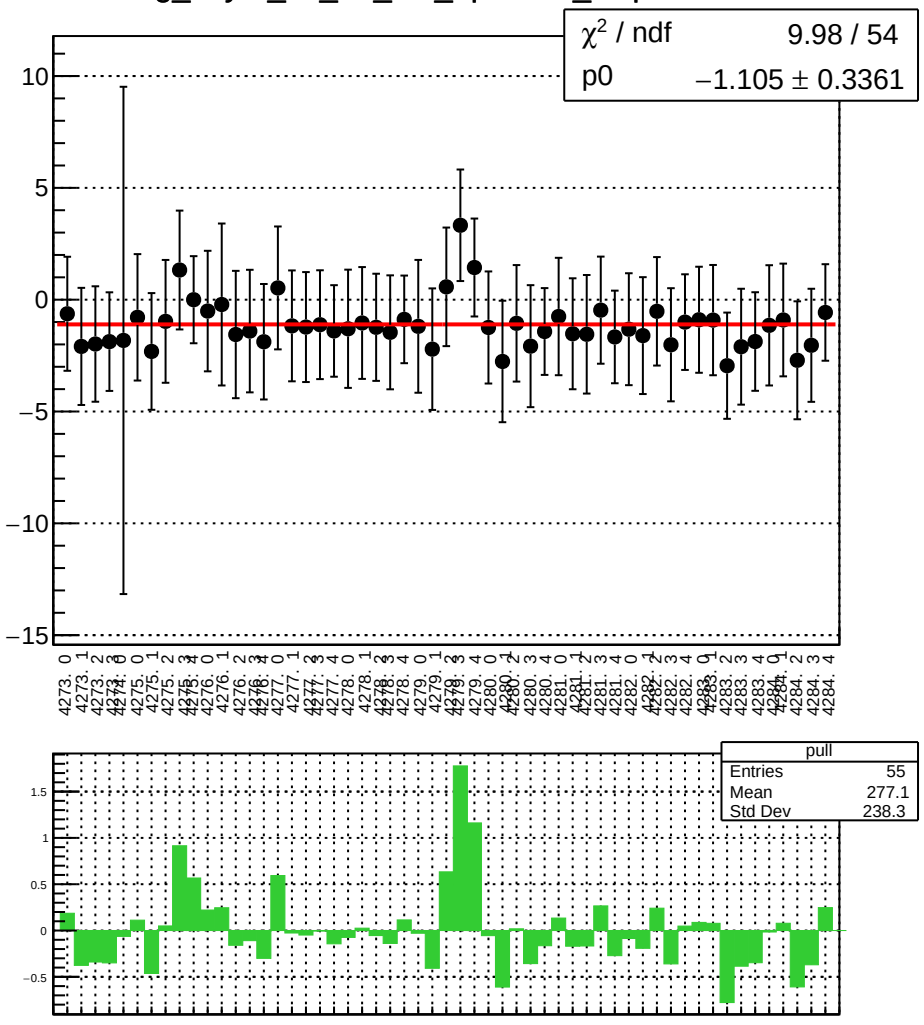

pull1D
Entries 55
Mean −0.008639
Std Dev 0.3144

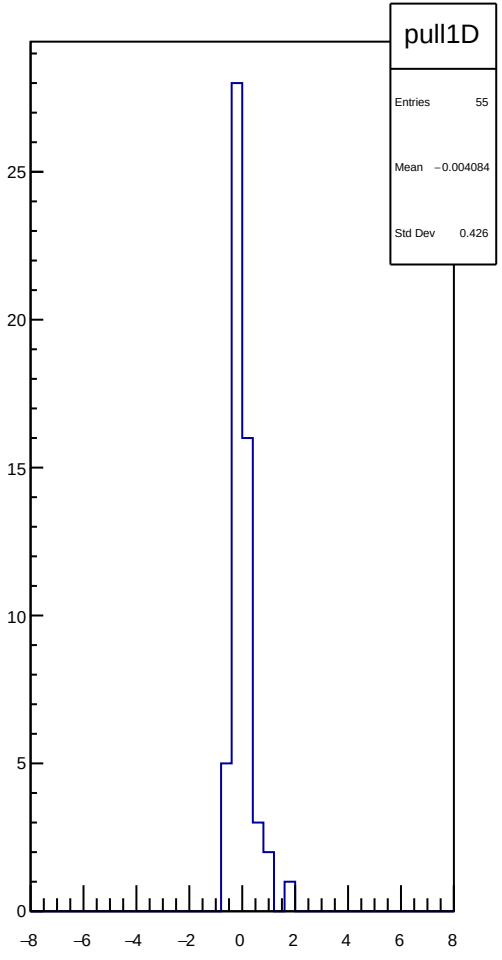

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 15.9 / 54
p0 −53.14 ± 0.08134
pull
Entries 55
Mean −1071
Std Dev 1097

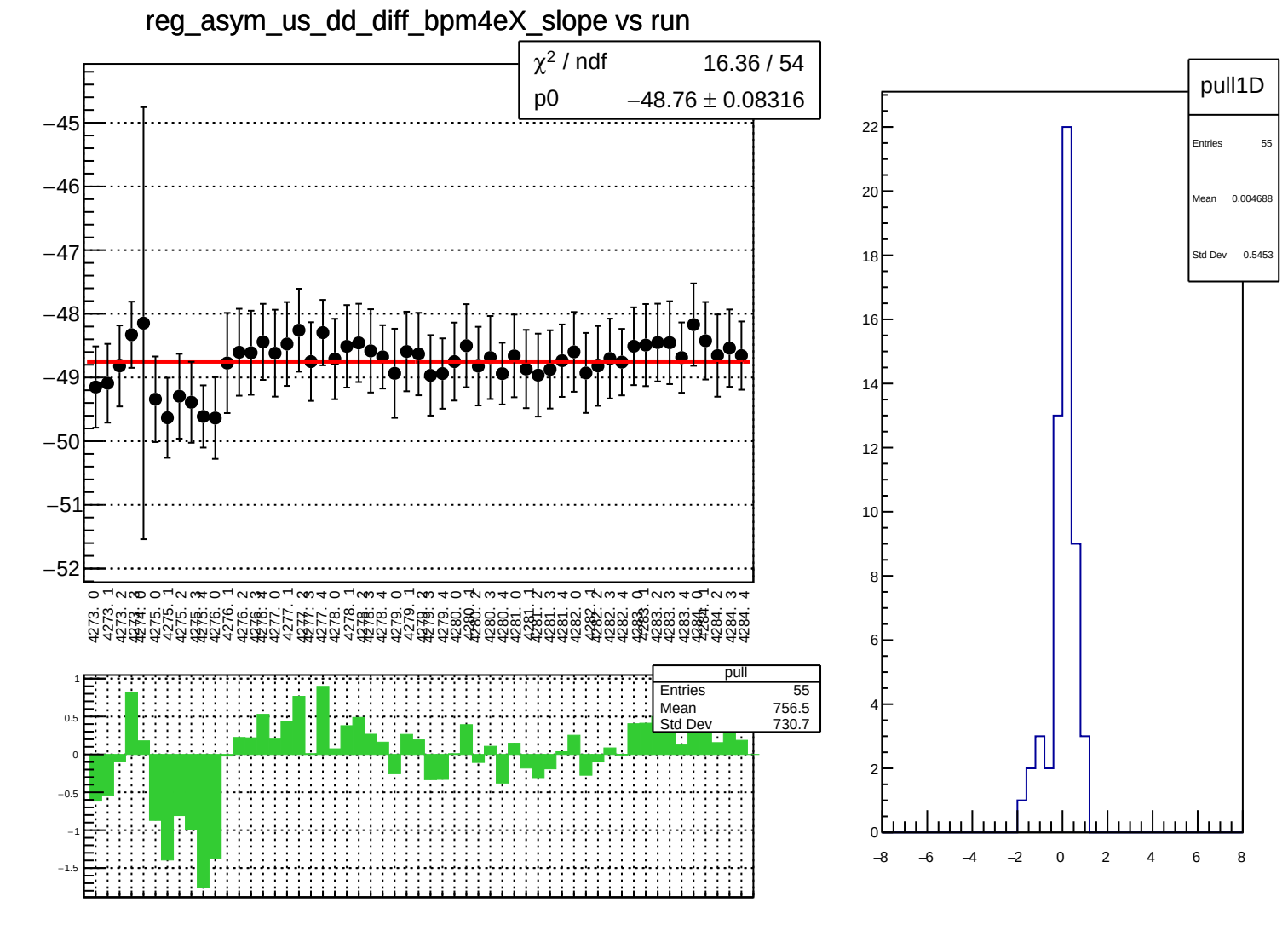

pull1D
Entries 55
Mean 0.004565
Std Dev 0.5376

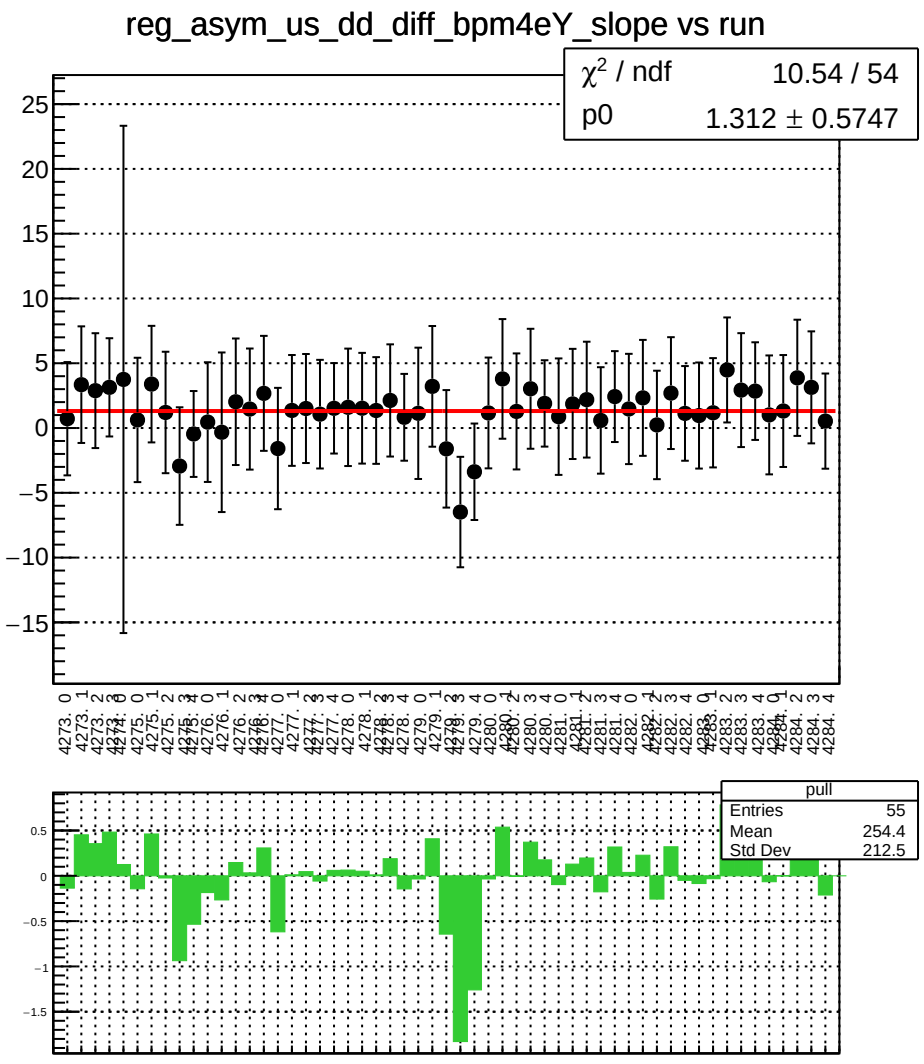

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.822 / 54
p0 27.87 ± 0.4805
pull
Entries 55
Mean 296.5
Std Dev 271.3

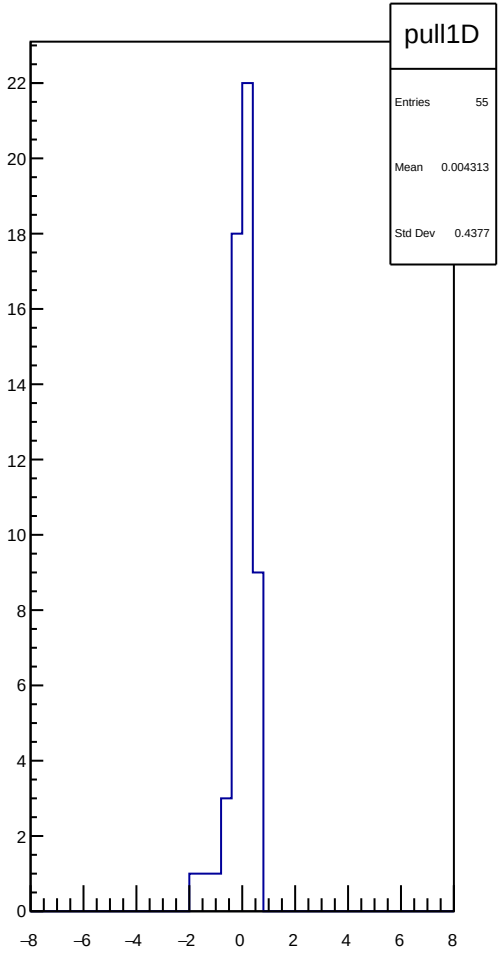

pull1D
Entries 55
Mean −0.0009219
Std Dev 0.2636

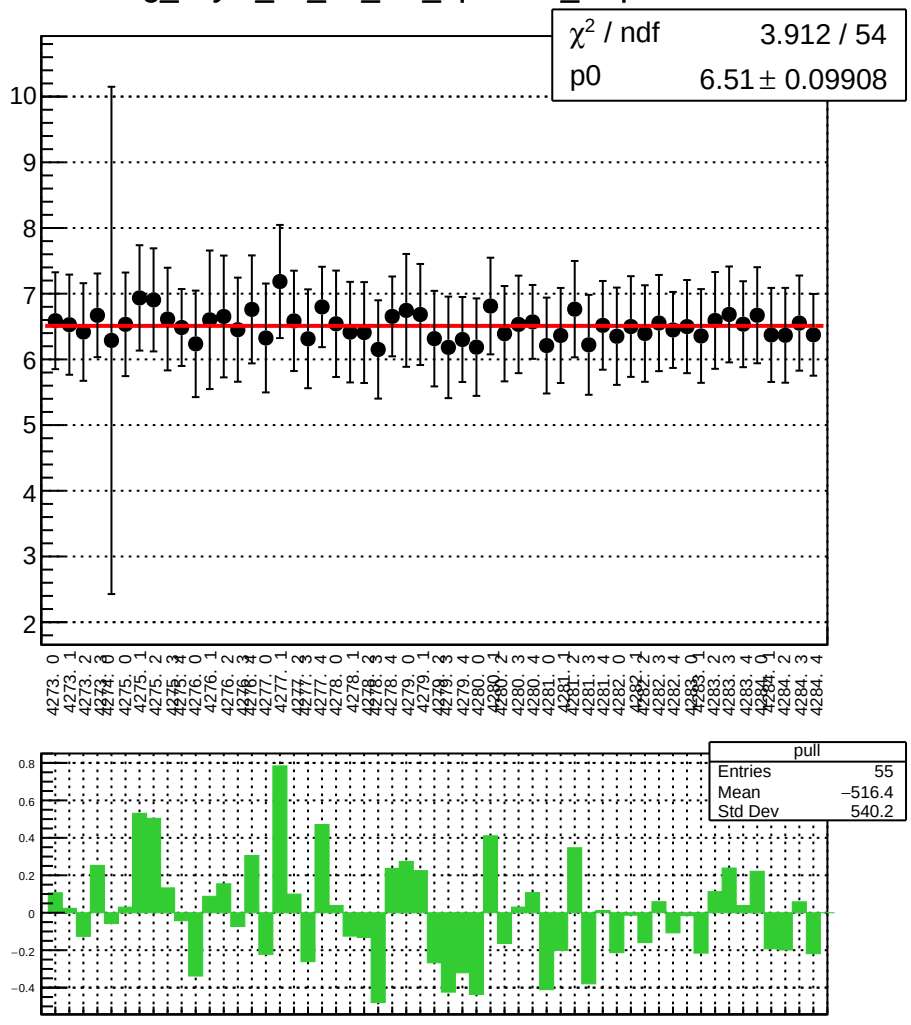

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.98 / 54
p0 −1.105 ± 0.3361
pull
Entries 55
Mean 277.1
Std Dev 238.3

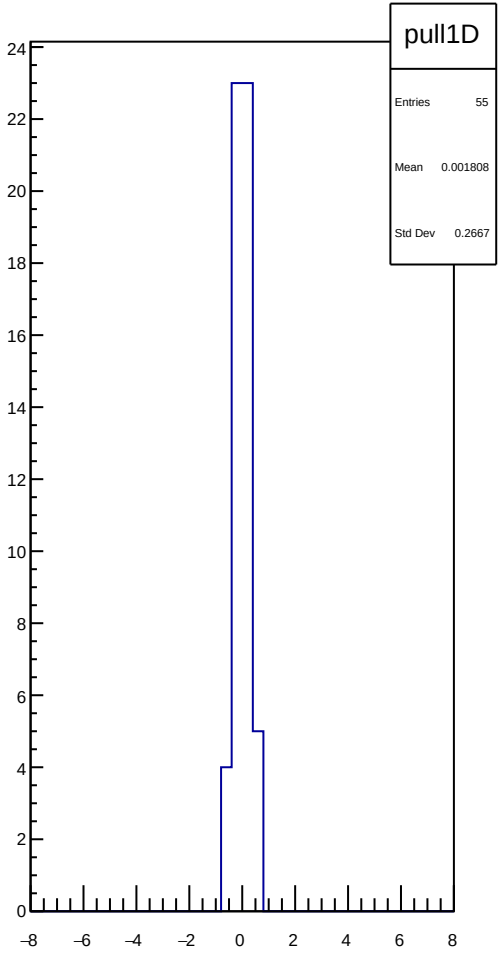

pull1D
Entries 55
Mean −0.004084
Std Dev 0.426

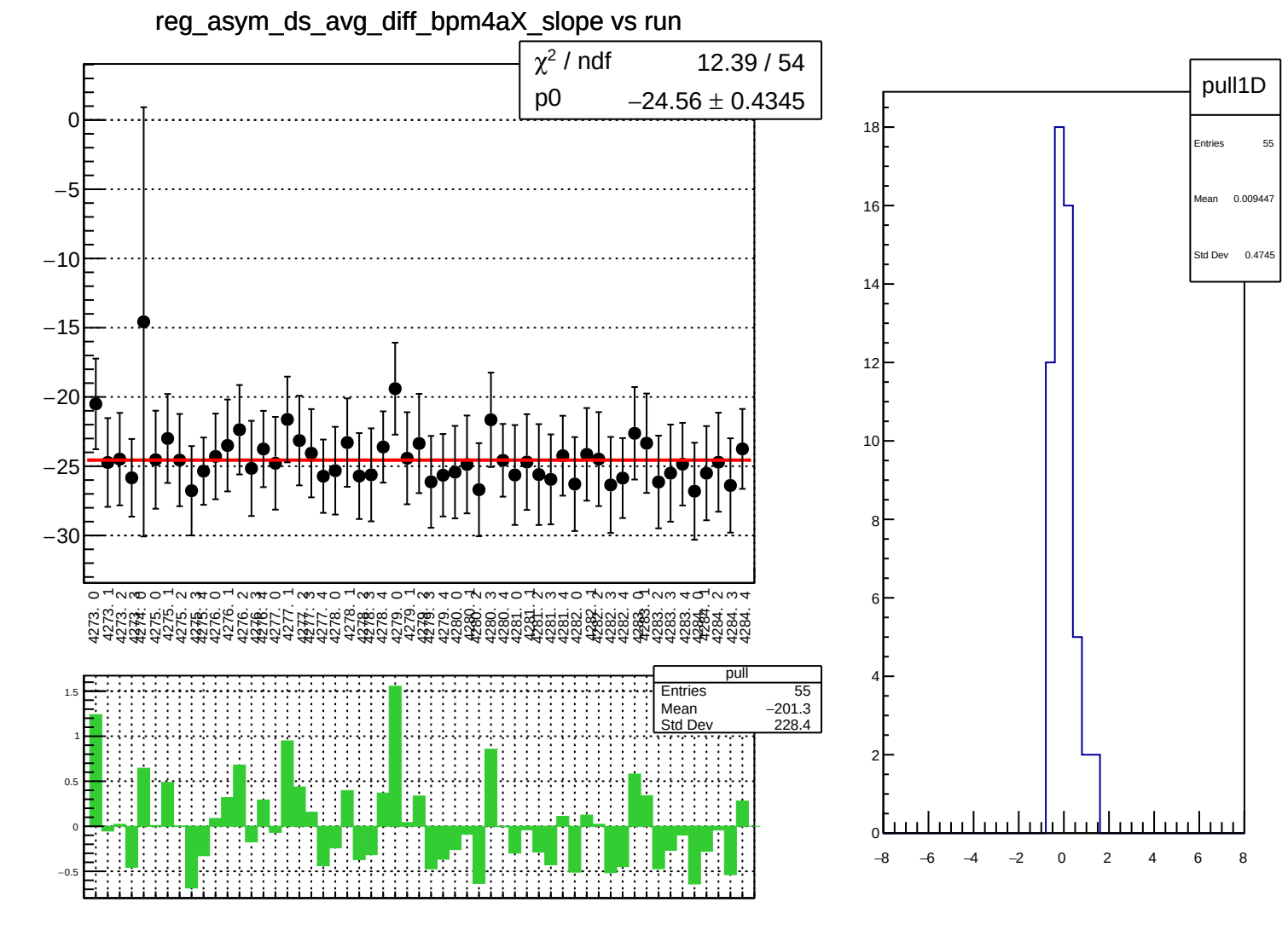

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.36 / 54
p0 −48.76 ± 0.08316
pull
Entries 55
Mean 756.5
Std Dev 730.7
pull1D
Entries 55
Mean 0.004688
Std Dev 0.5453

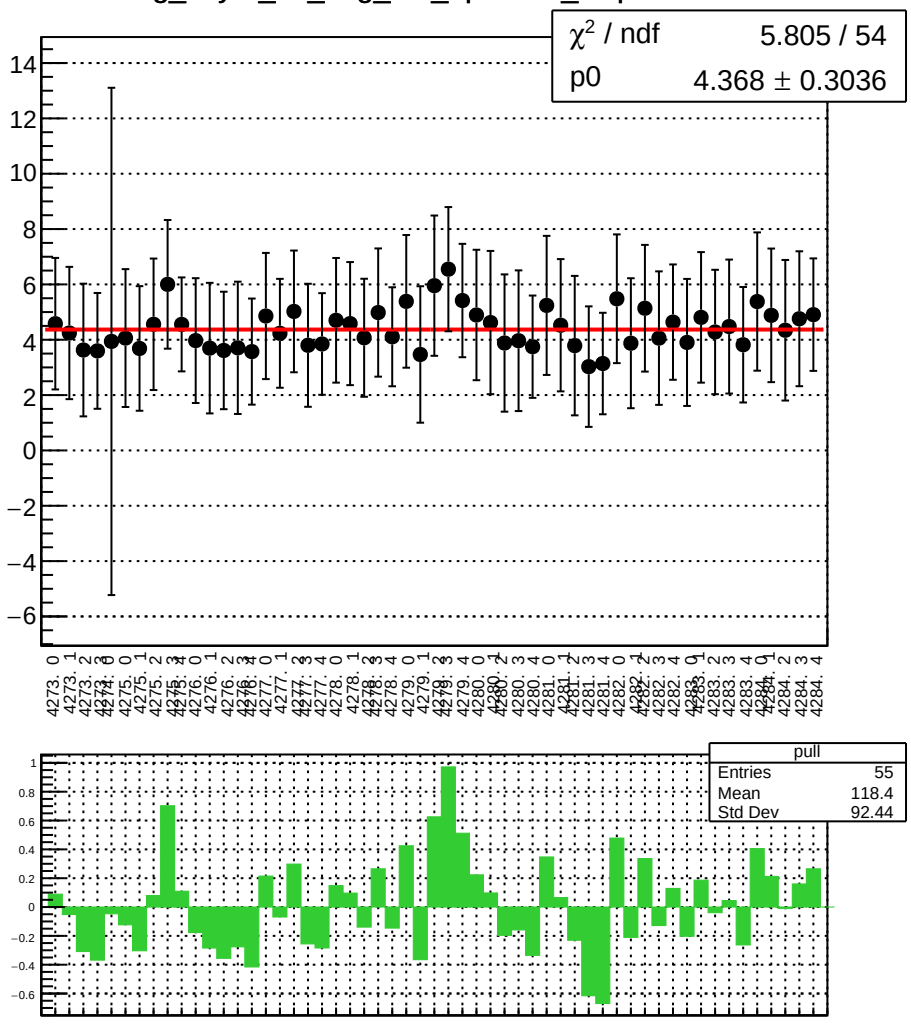

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.54 / 54
p0 1.312 ± 0.5747
pull
Entries 55
Mean 254.4
Std Dev 212.5

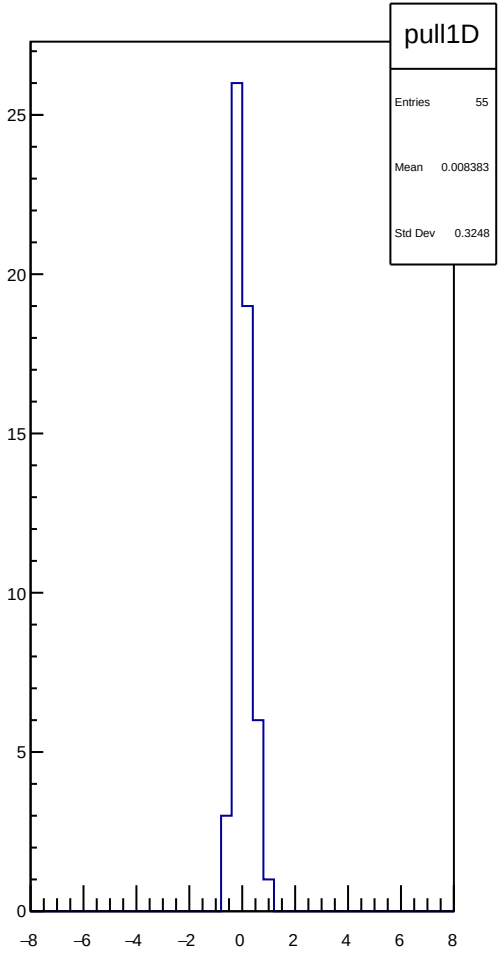

pull1D
Entries 55
Mean 0.004313
Std Dev 0.4377

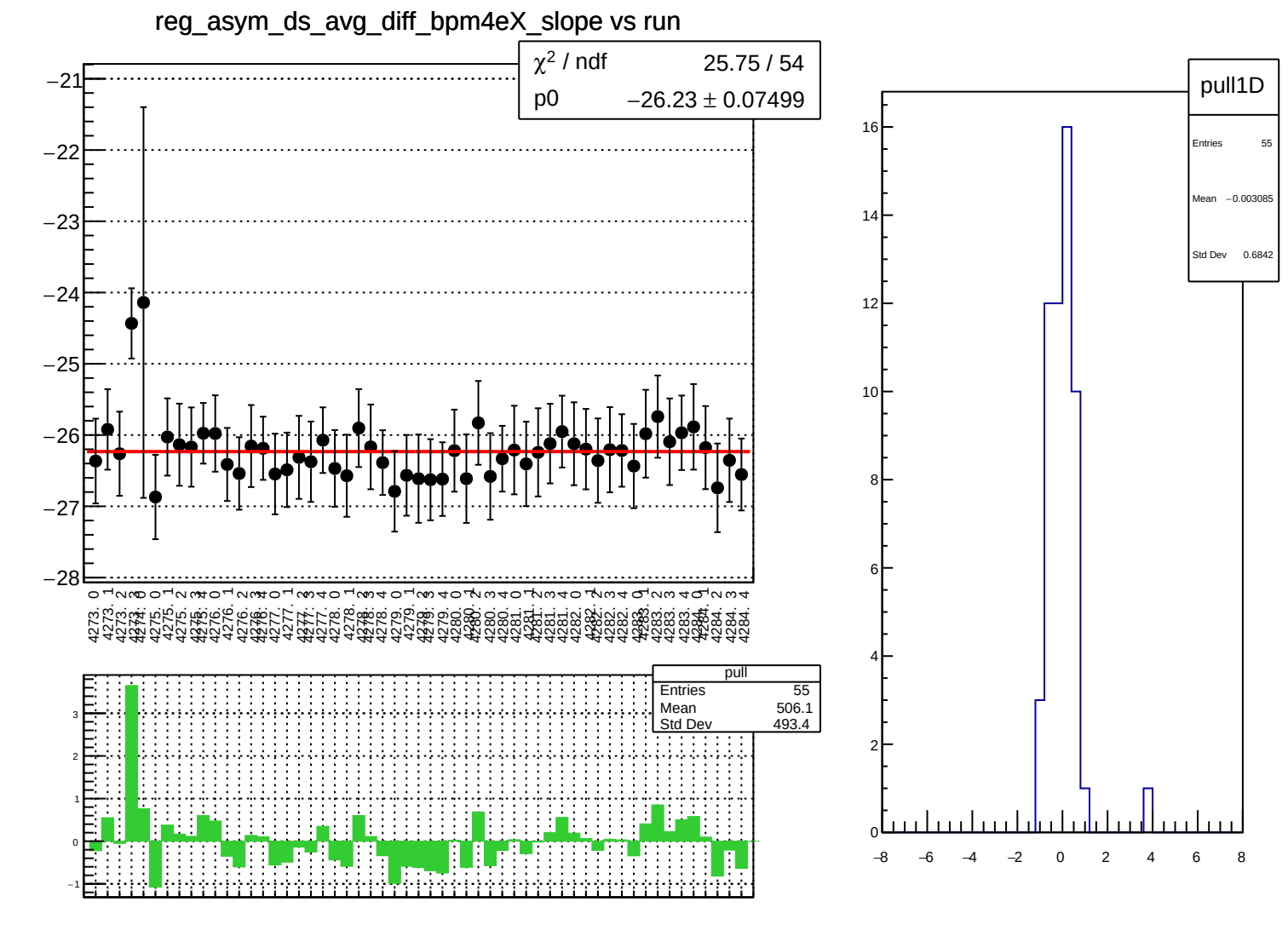

reg_asym_us_dd_diff_bpm11X_slope vs run
χ² / ndf 3.912 / 54
p0 6.51 ± 0.09908
pull
Entries 55
Mean −516.4
Std Dev 540.2

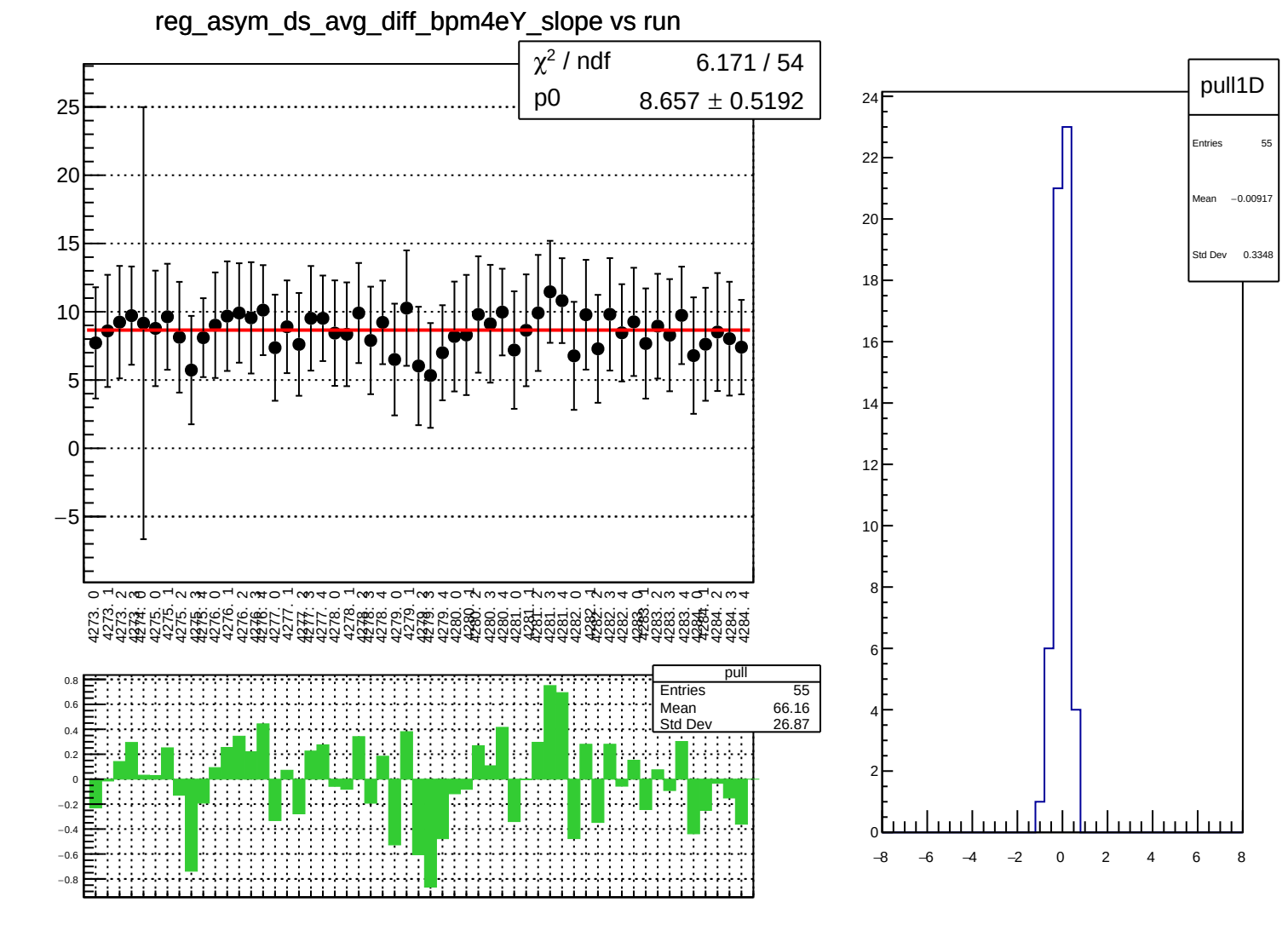

pull1D
Entries 55
Mean 0.001808
Std Dev 0.2667

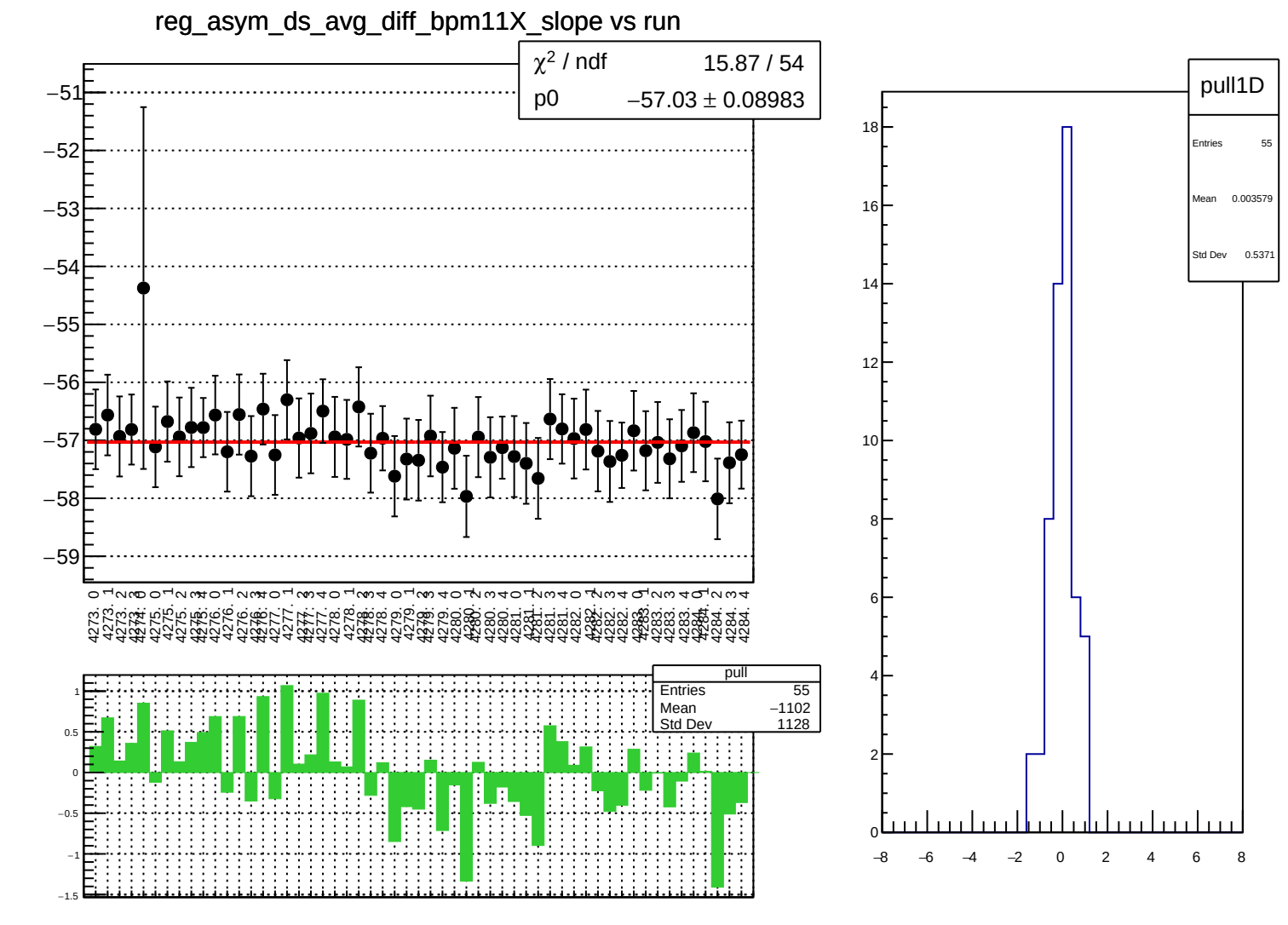

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.39 / 54
p0 −24.56 ± 0.4345
pull
Entries 55
Mean −201.3
Std Dev 228.4
pull1D
Entries 55
Mean 0.009447
Std Dev 0.4745

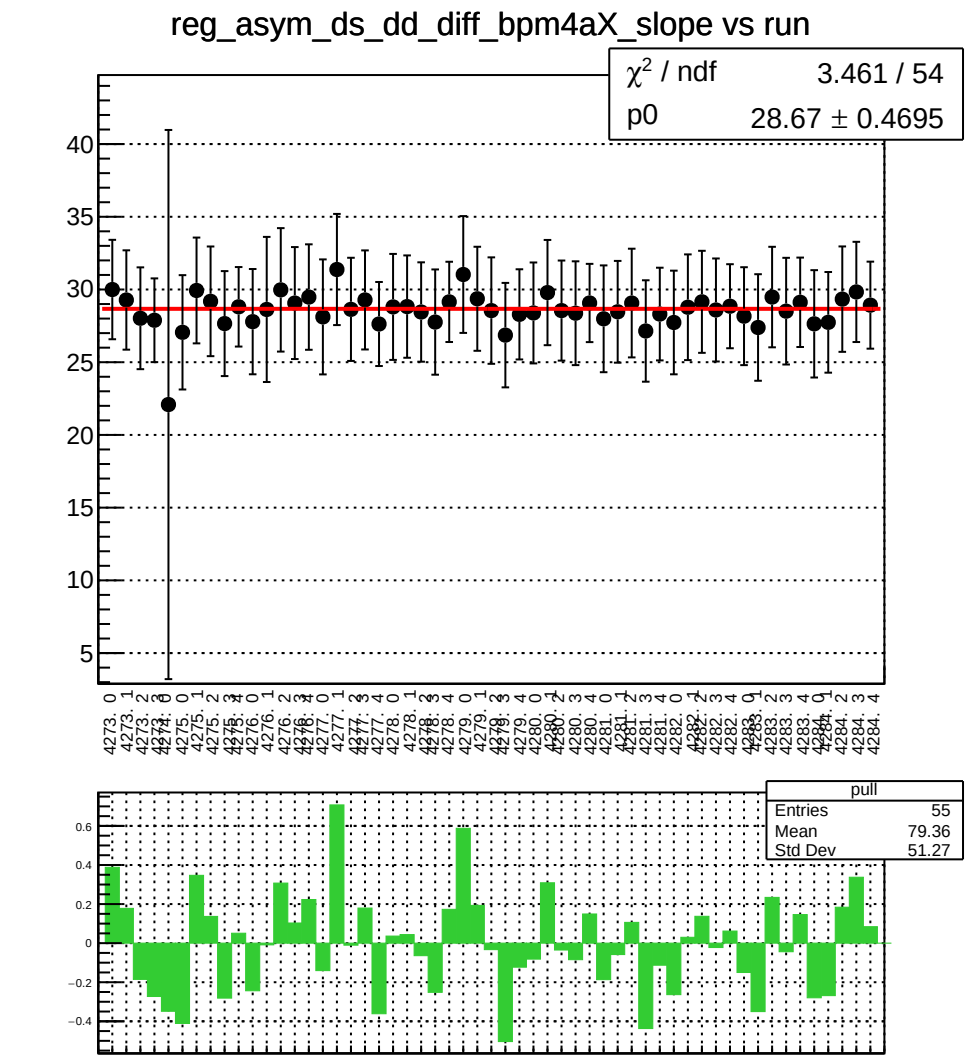

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.805 / 54
p0 4.368 ± 0.3036
pull
Entries 55
Mean 118.4
Std Dev 92.44

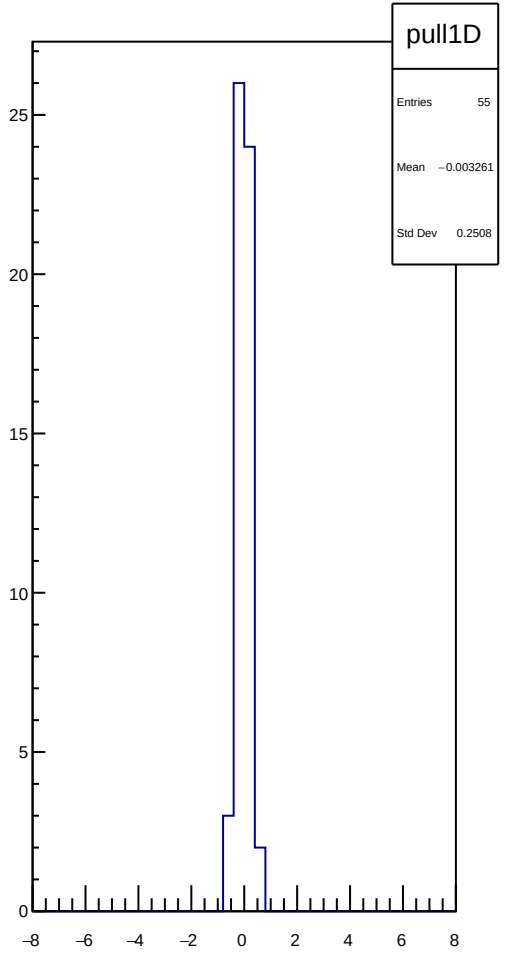

pull1D
Entries 55
Mean 0.008383
Std Dev 0.3248

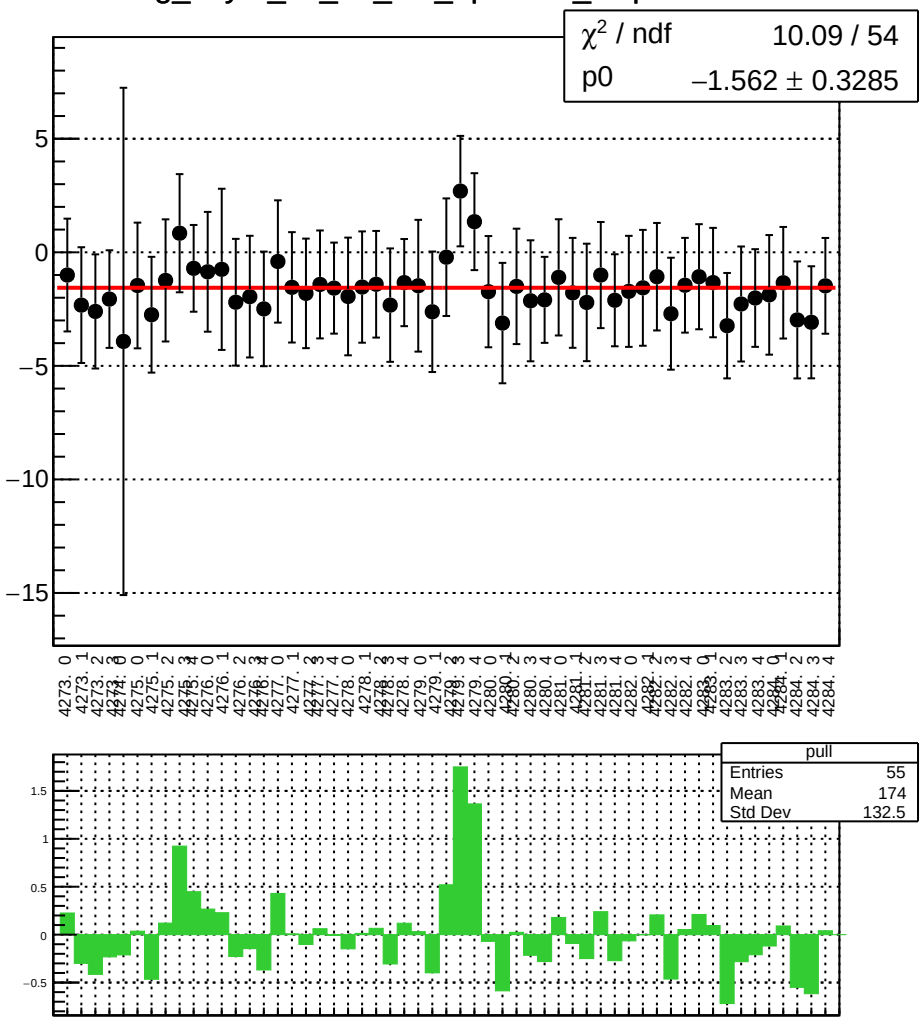

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.75 / 54
p0 −26.23 ± 0.07499
pull
Entries 55
Mean 506.1
Std Dev 493.4
pull1D
Entries 55
Mean −0.003085
Std Dev 0.6842

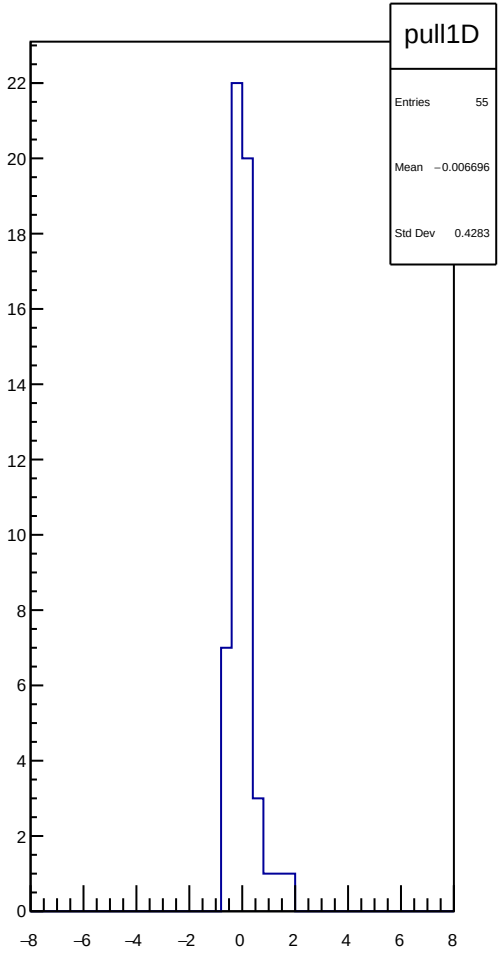

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.171 / 54
p0 8.657 ± 0.5192
pull
Entries 55
Mean 66.16
Std Dev 26.87
pull1D
Entries 55
Mean −0.00917
Std Dev 0.3348

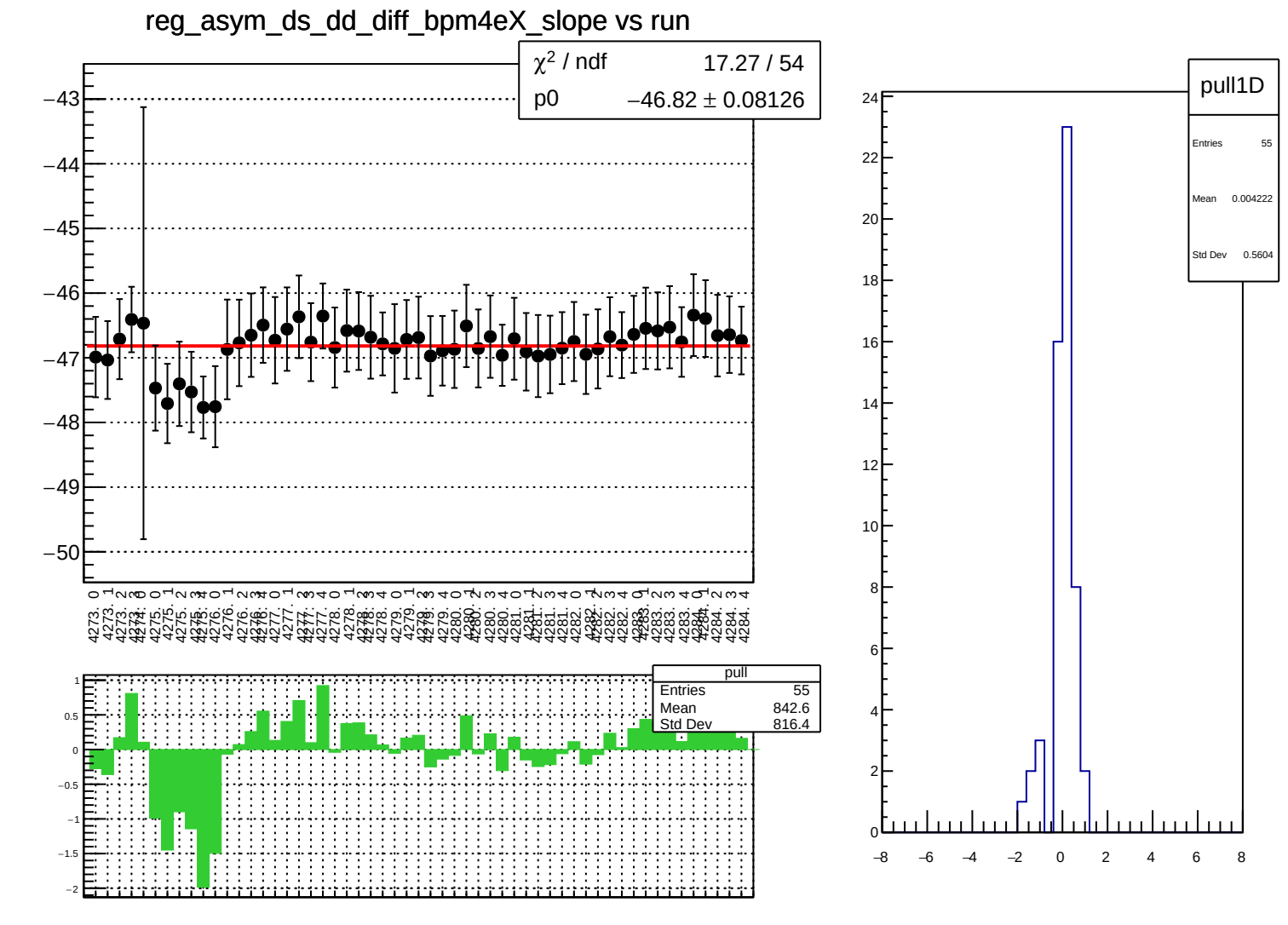

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 15.87 / 54
p0 −57.03 ± 0.08983
pull
Entries 55
Mean −1102
Std Dev 1128
pull1D
Entries 55
Mean 0.003579
Std Dev 0.5371

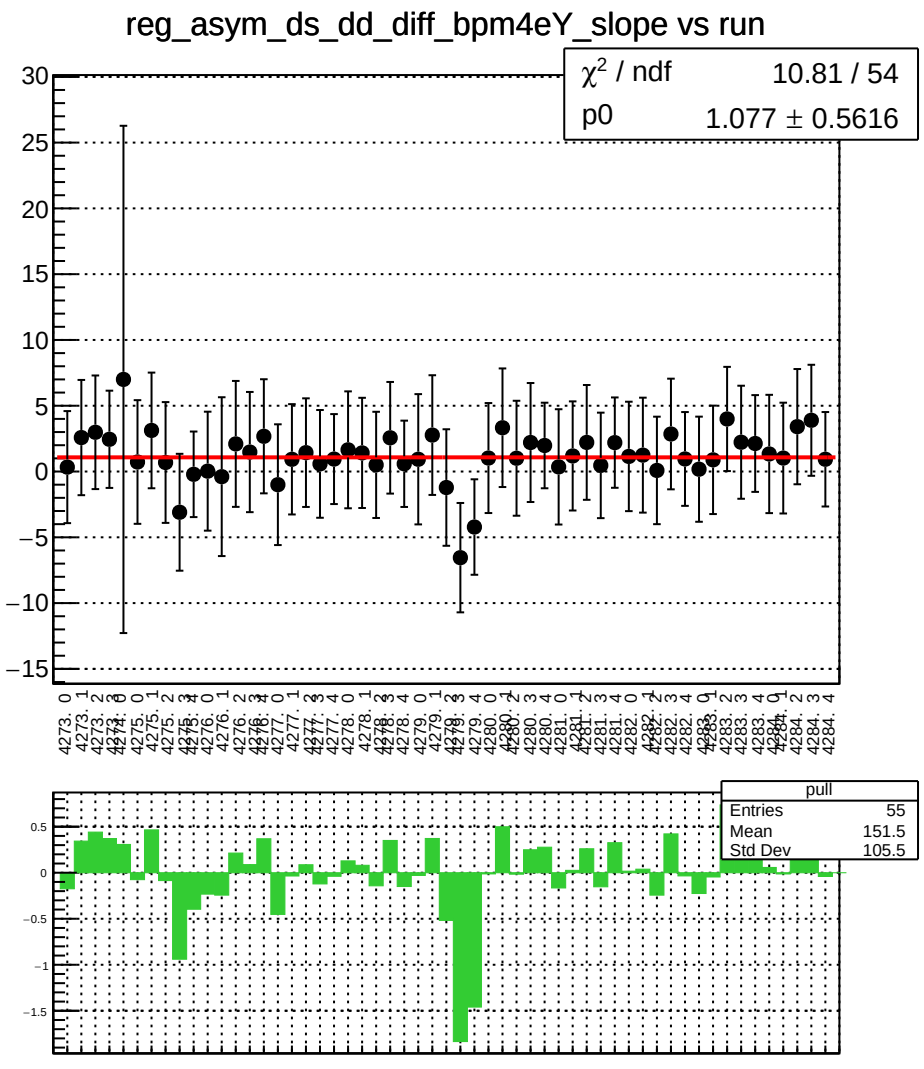

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.461 / 54
p0 28.67 ± 0.4695
pull
Entries 55
Mean 79.36
Std Dev 51.27

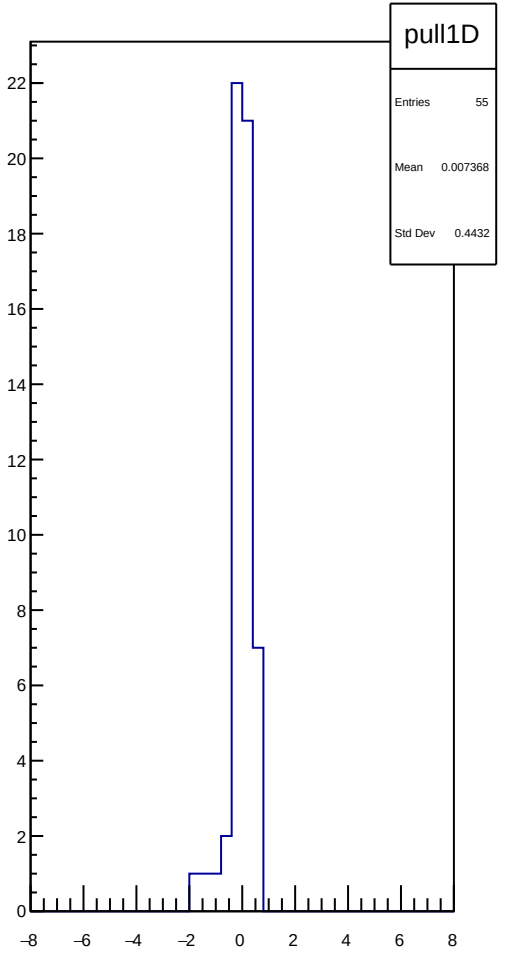

pull1D
Entries 55
Mean −0.003261
Std Dev 0.2508

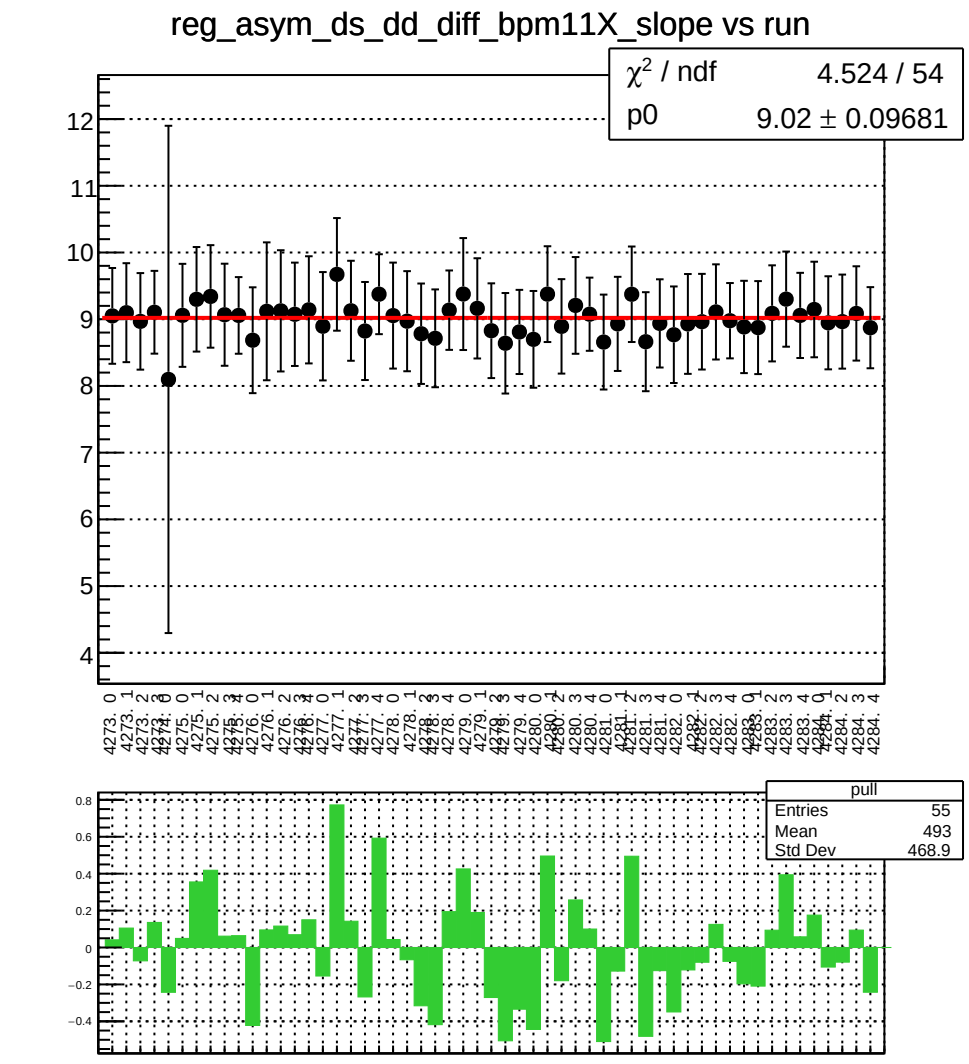

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.09 / 54
p0 −1.562 ± 0.3285
pull
Entries 55
Mean 174
Std Dev 132.5

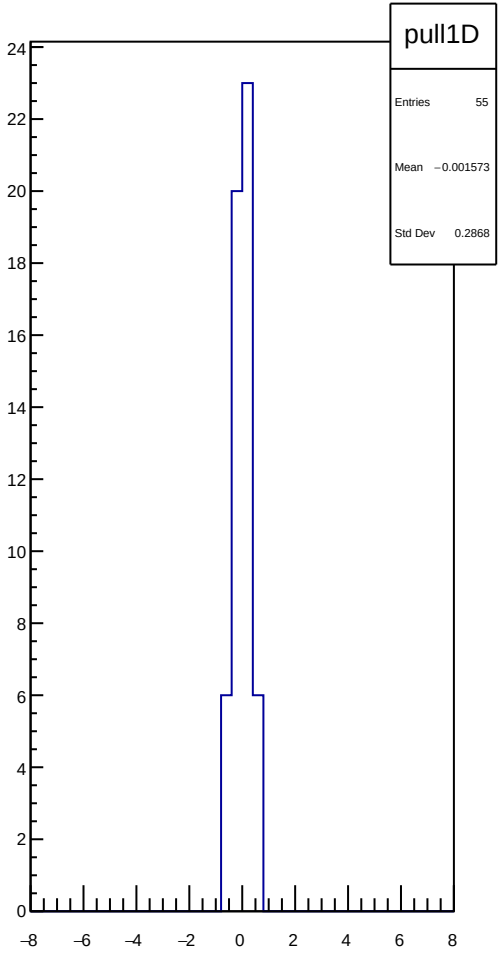

pull1D
Entries 55
Mean −0.006696
Std Dev 0.4283

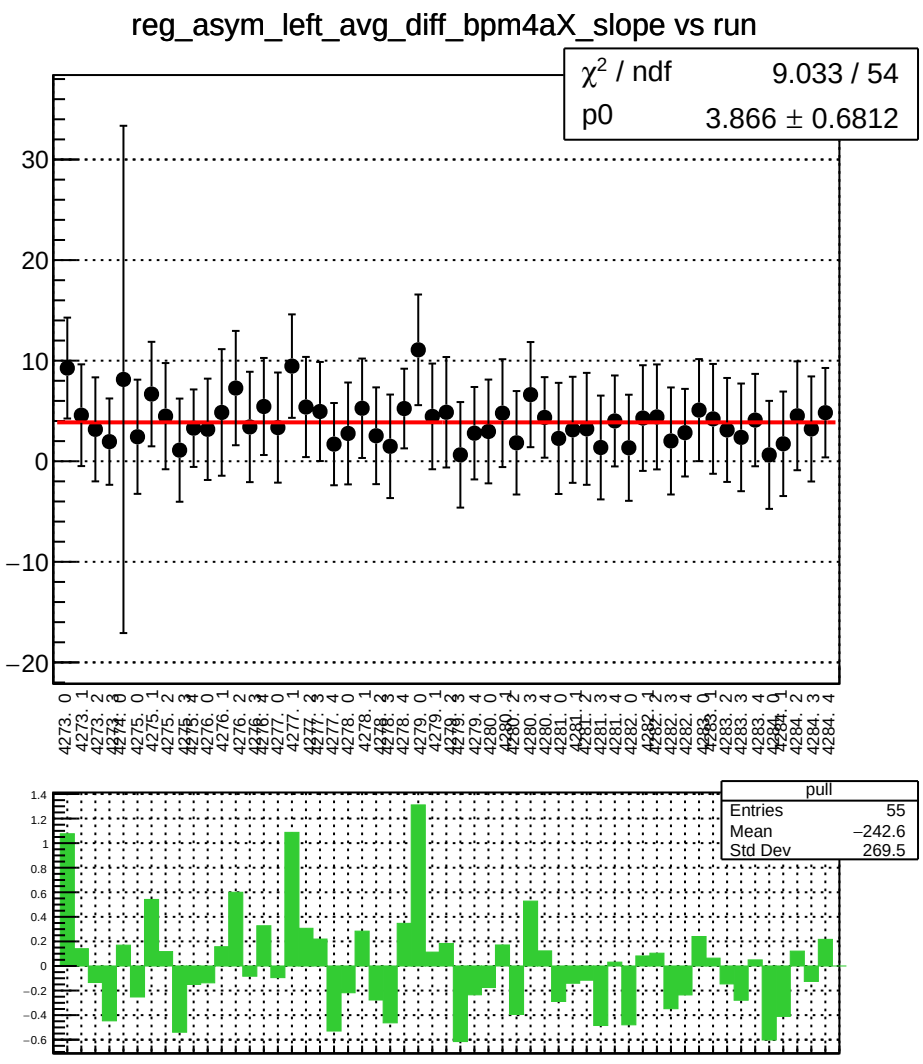

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.27 / 54
p0 −46.82 ± 0.08126
pull
Entries 55
Mean 842.6
Std Dev 816.4
pull1D
Entries 55
Mean 0.004222
Std Dev 0.5604

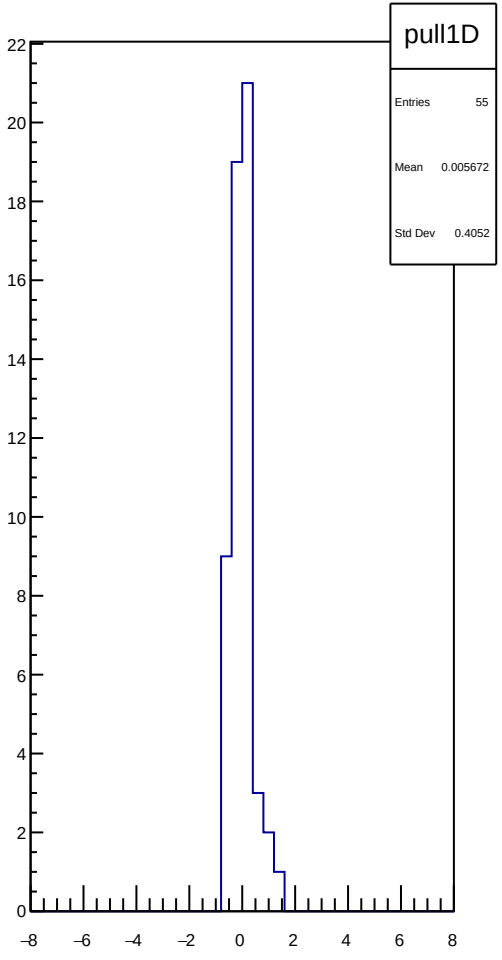

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.81 / 54
p0 1.077 ± 0.5616
pull
Entries 55
Mean 151.5
Std Dev 105.5

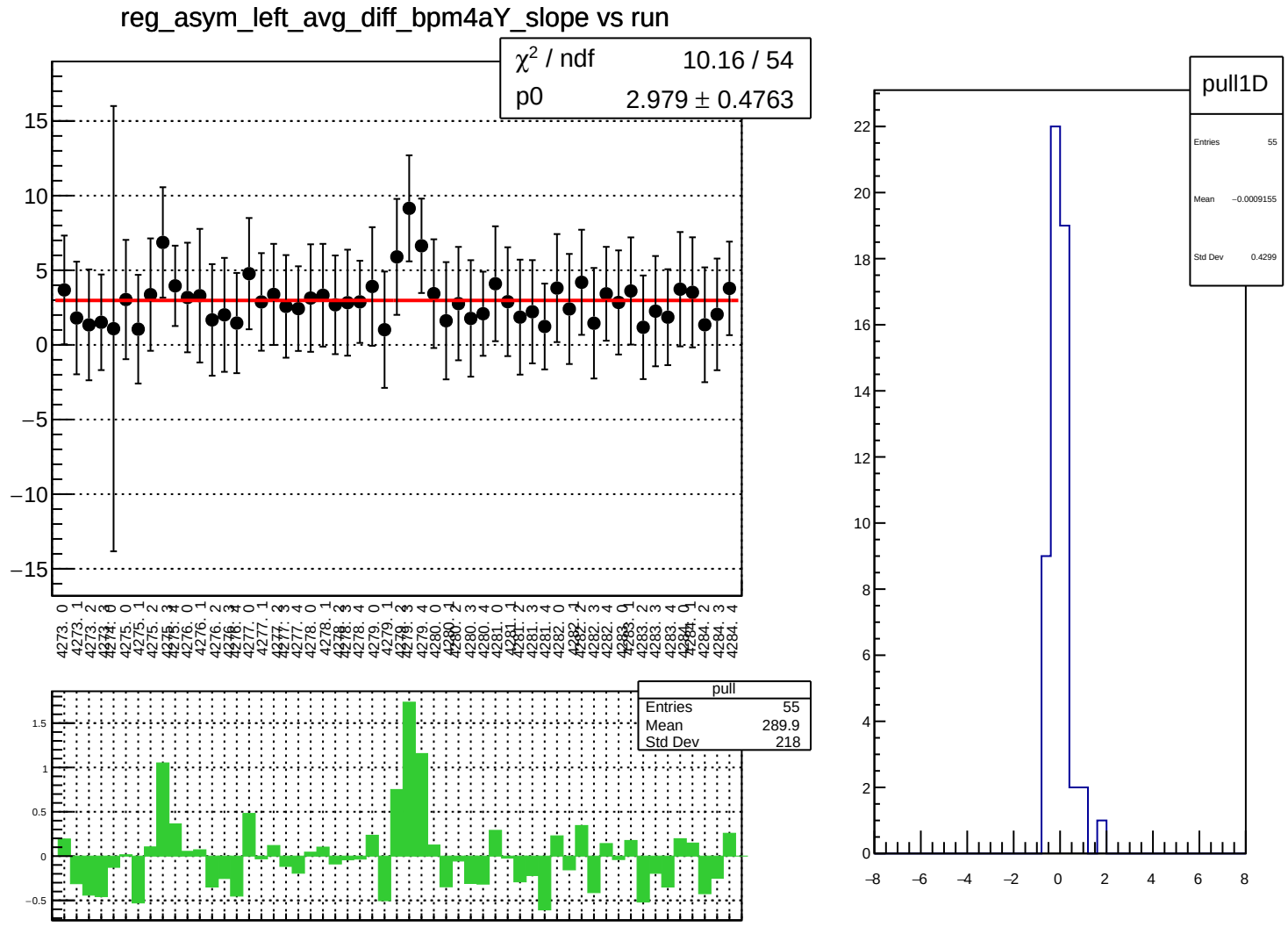

pull1D
Entries 55
Mean 0.007368
Std Dev 0.4432

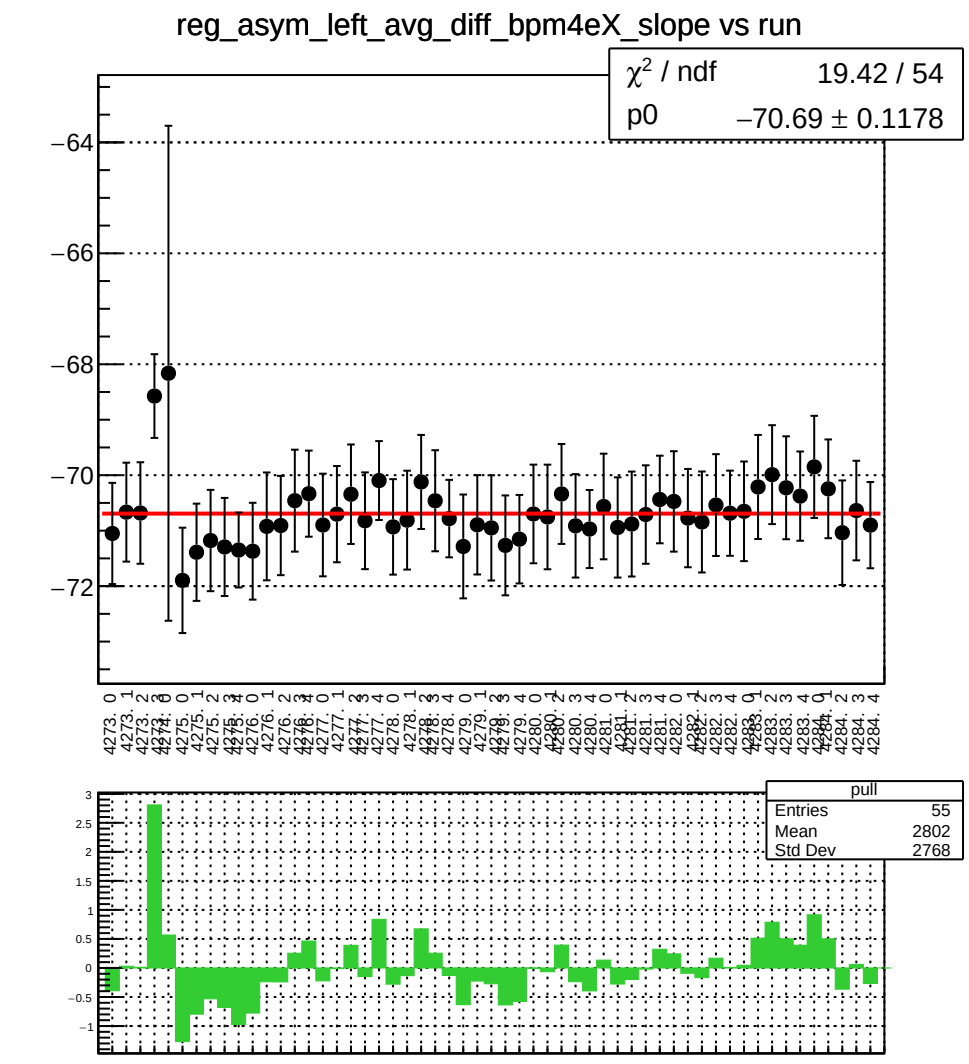

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 4.524 / 54
p0 9.02 ± 0.09681
pull
Entries 55
Mean 493
Std Dev 468.9

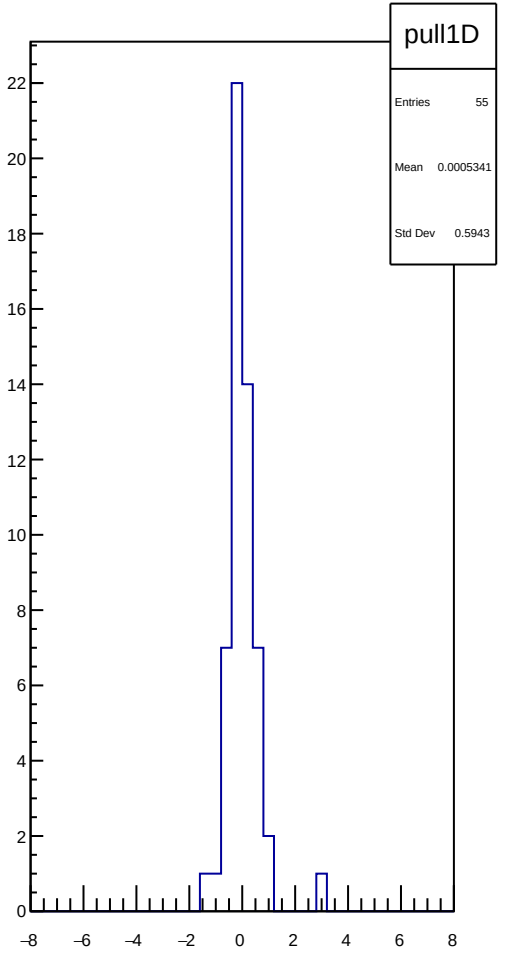

pull1D
Entries 55
Mean −0.001573
Std Dev 0.2868

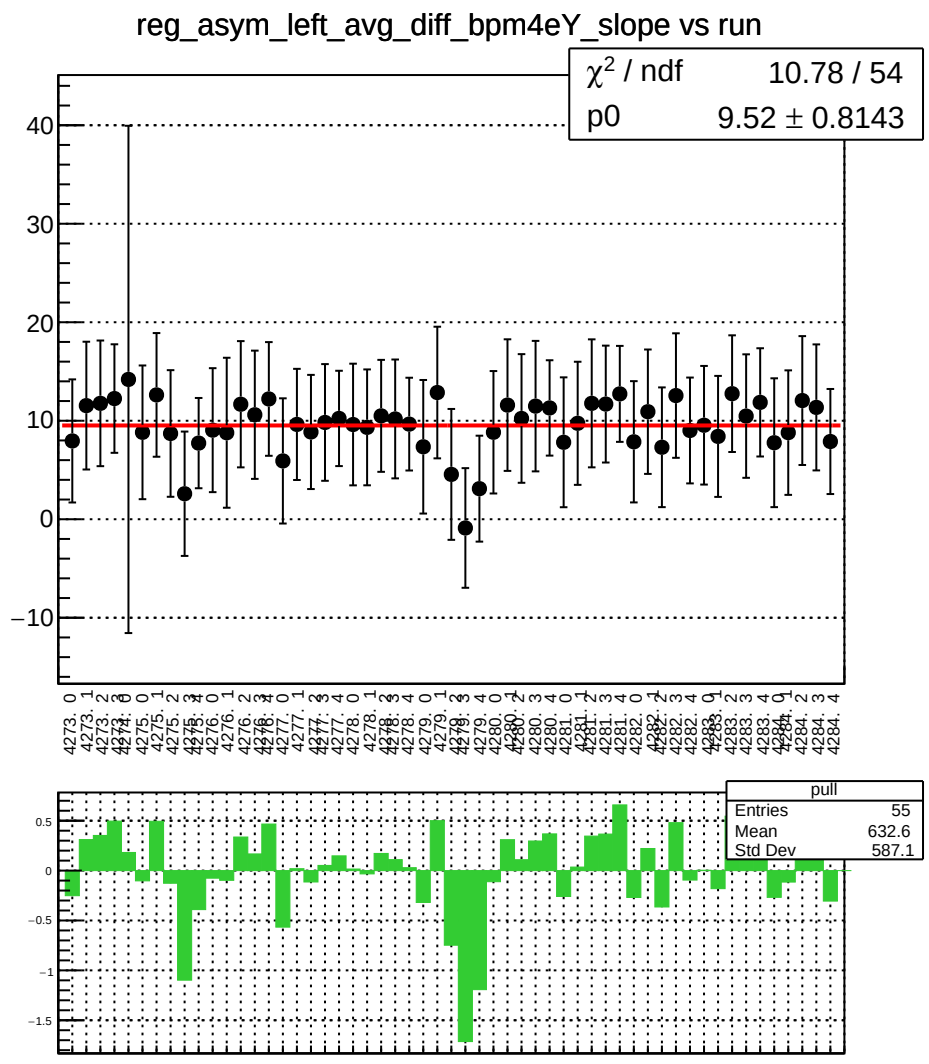

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 9.033 / 54
p0 3.866 ± 0.6812
pull
Entries 55
Mean −242.6
Std Dev 269.5

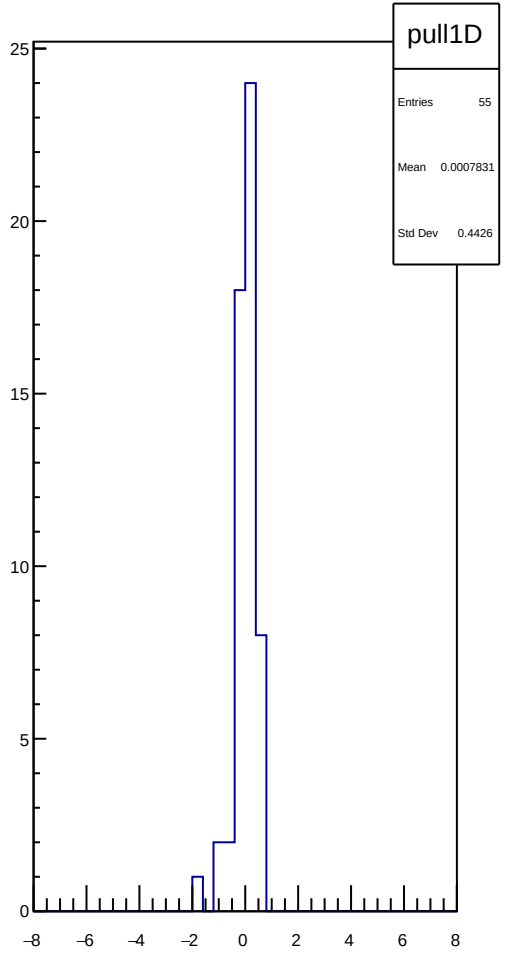

pull1D
Entries 55
Mean 0.005672
Std Dev 0.4052

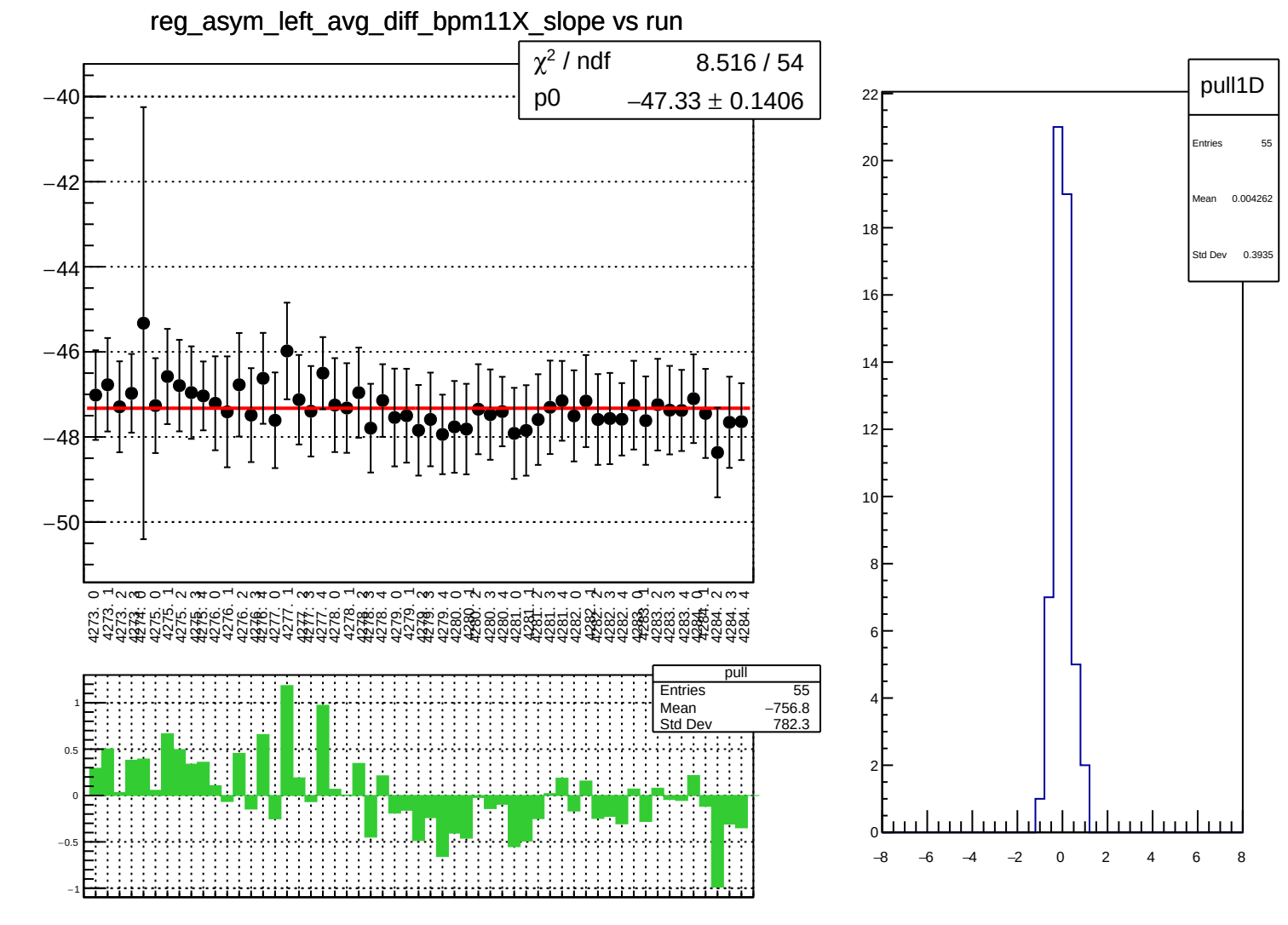

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.16 / 54
p0 2.979 ± 0.4763
pull
Entries 55
Mean 289.9
Std Dev 218
pull1D
Entries 55
Mean −0.0009155
Std Dev 0.4299

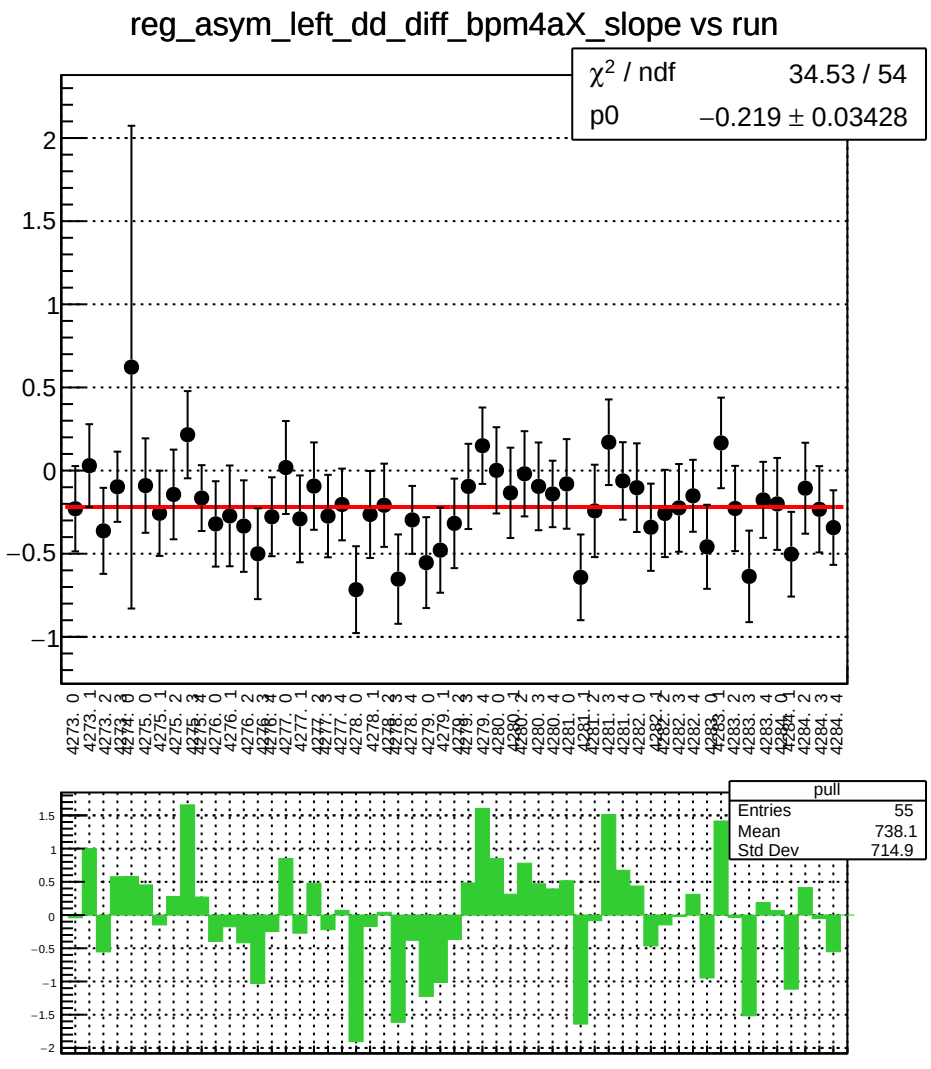

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.42 / 54
p0 −70.69 ± 0.1178
pull
Entries 55
Mean 2802
Std Dev 2768

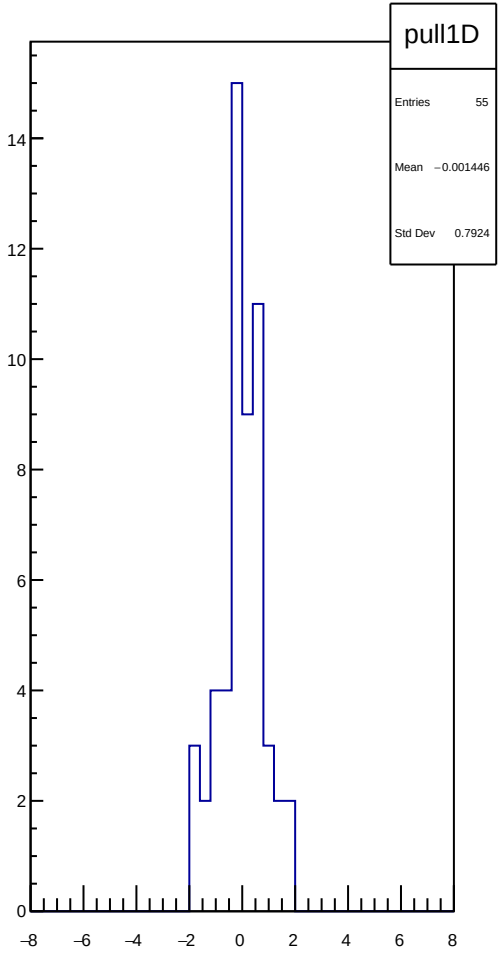

pull1D
Entries 55
Mean 0.0005341
Std Dev 0.5943

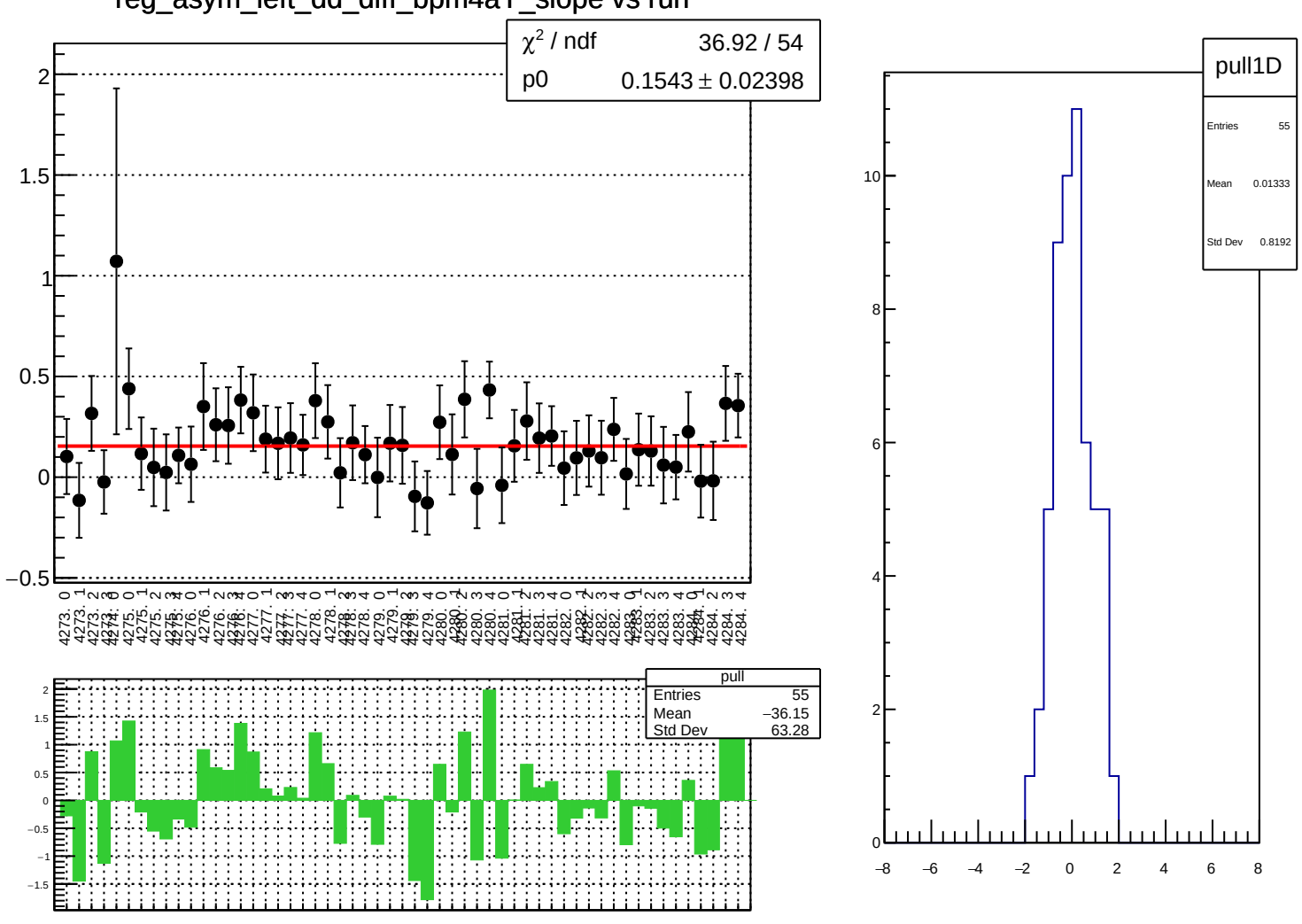

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.78 / 54
p0 9.52 ± 0.8143
pull
Entries 55
Mean 632.6
Std Dev 587.1

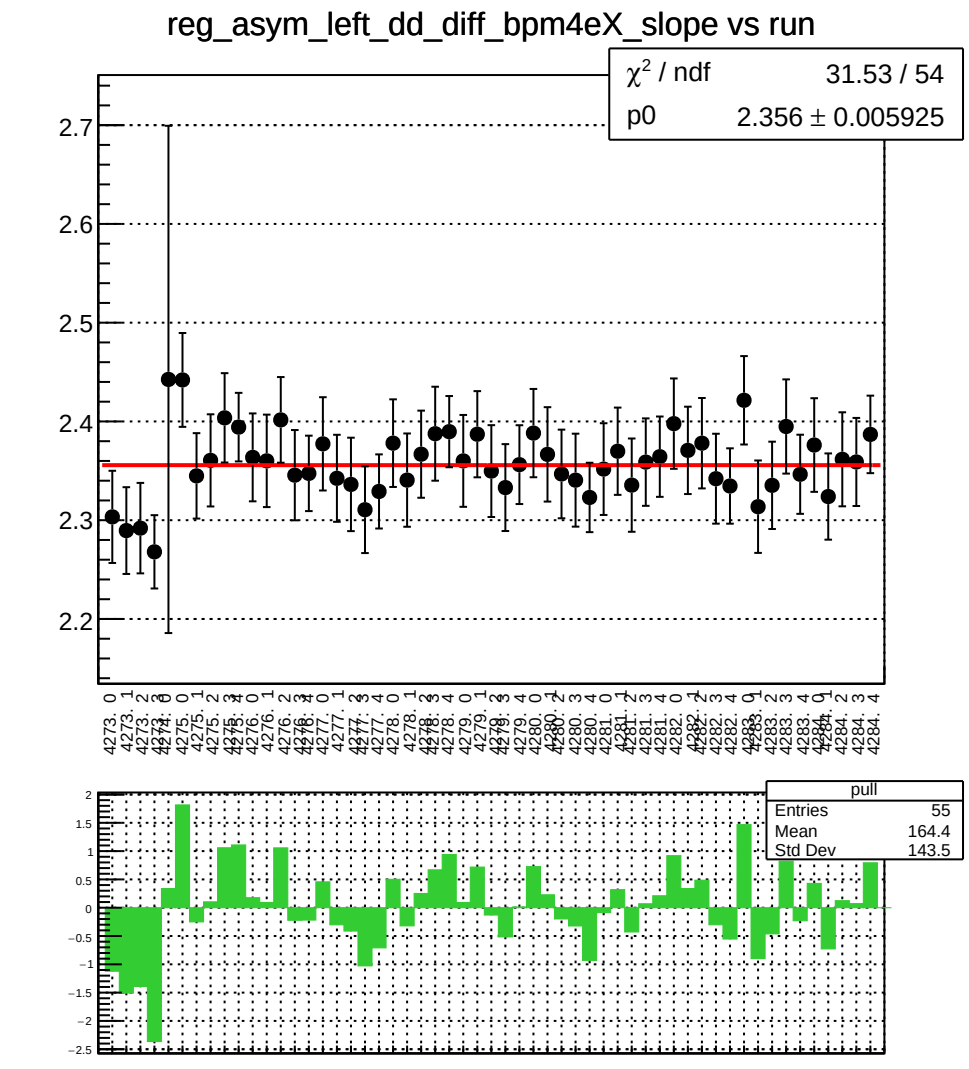

pull1D
Entries 55
Mean 0.0007831
Std Dev 0.4426

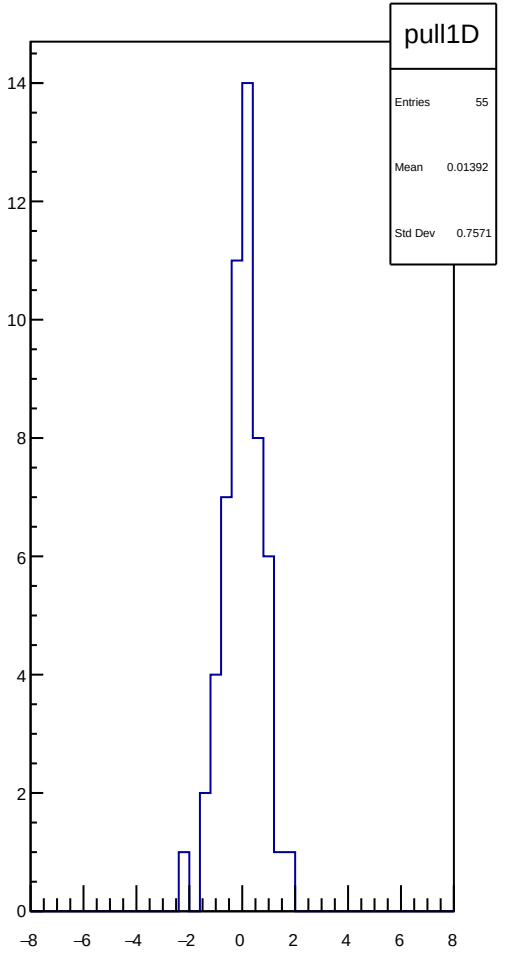

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 8.516 / 54
p0 −47.33 ± 0.1406
pull
Entries 55
Mean −756.8
Std Dev 782.3
pull1D
Entries 55
Mean 0.004262
Std Dev 0.3935

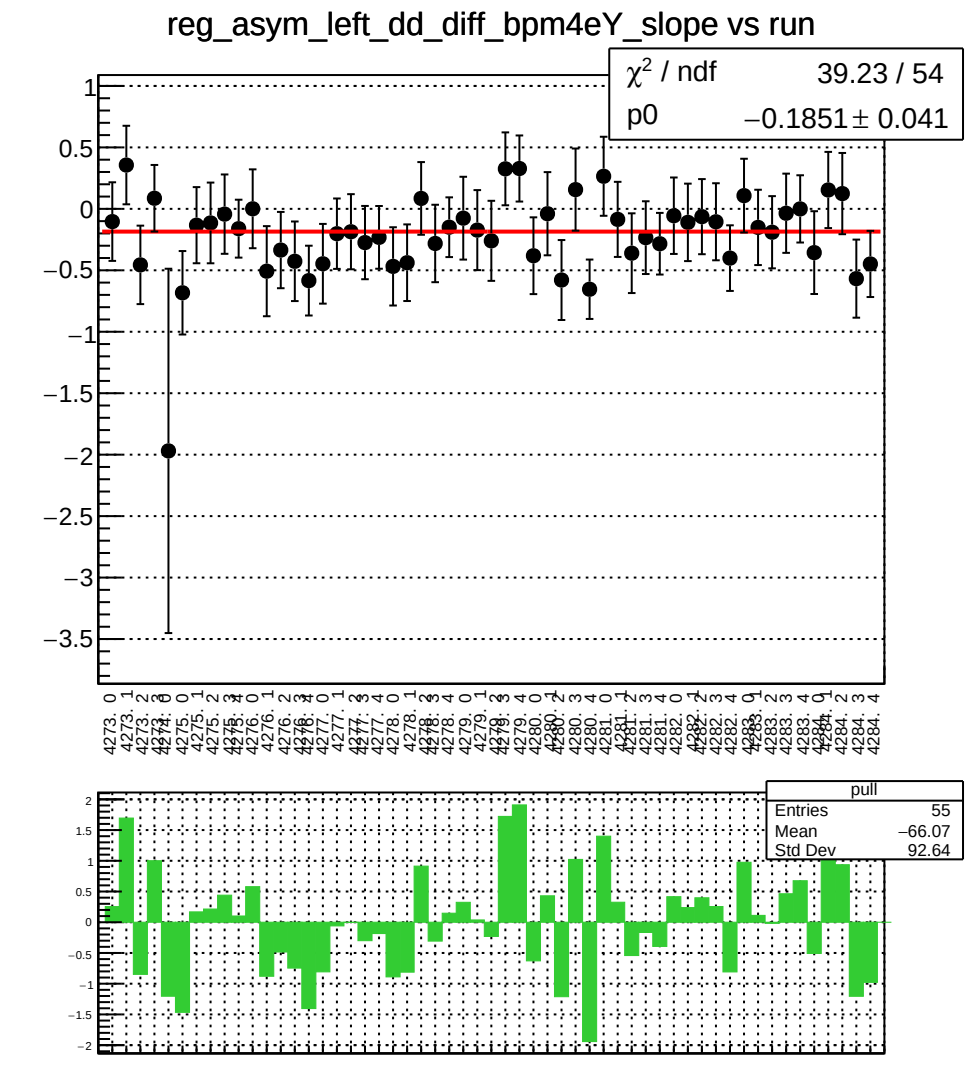

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.53 / 54
p0 −0.219 ± 0.03428
pull
Entries 55
Mean 738.1
Std Dev 714.9

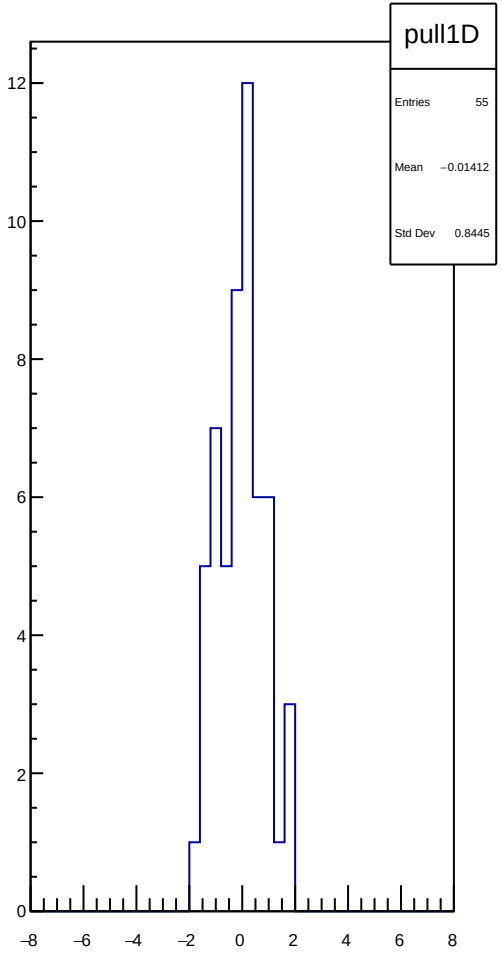

pull1D
Entries 55
Mean −0.001446
Std Dev 0.7924

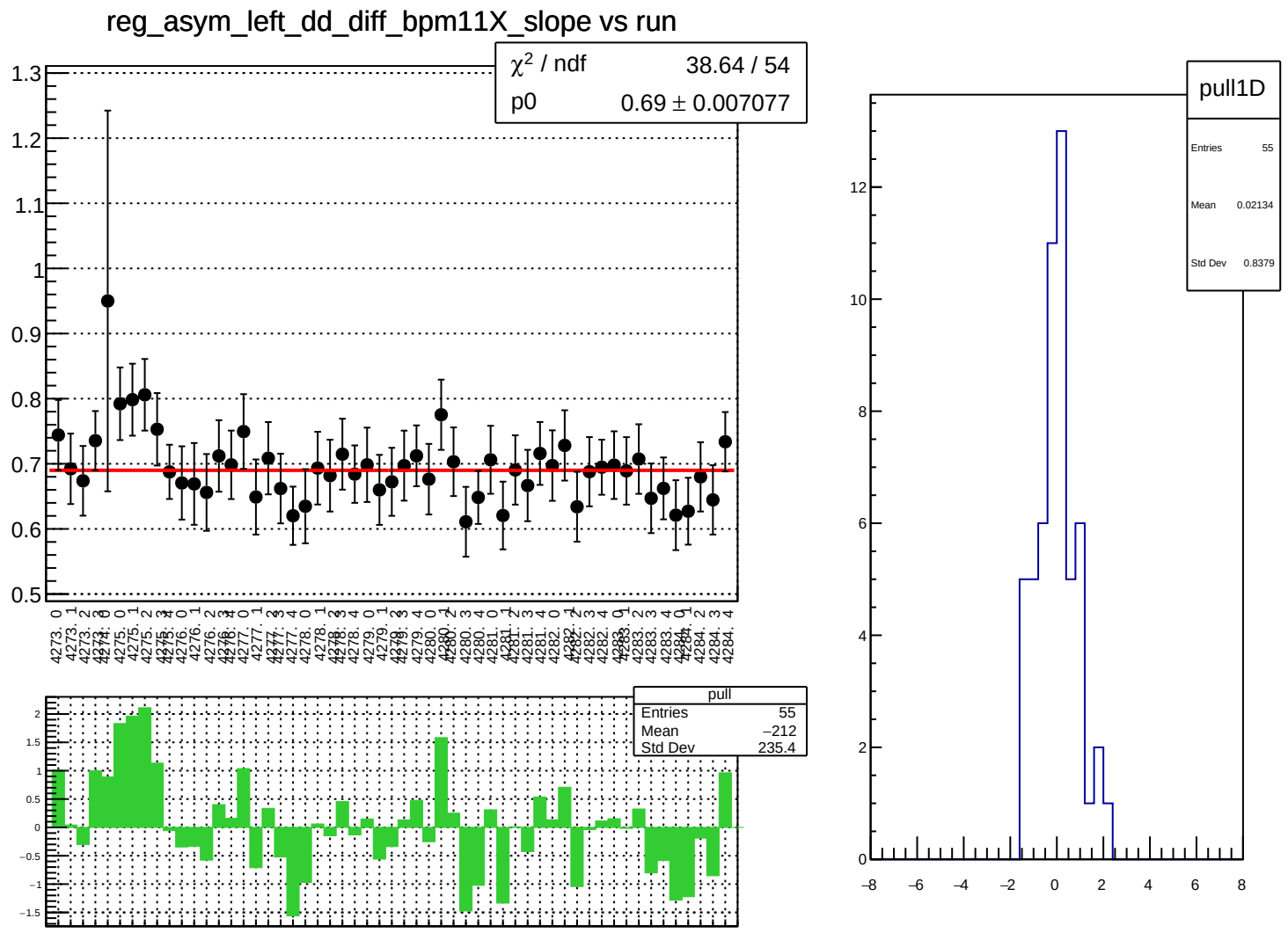

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.92 / 54
p0 0.1543 ± 0.02398
pull
Entries 55
Mean −36.15
Std Dev 63.28
pull1D
Entries 55
Mean 0.01333
Std Dev 0.8192

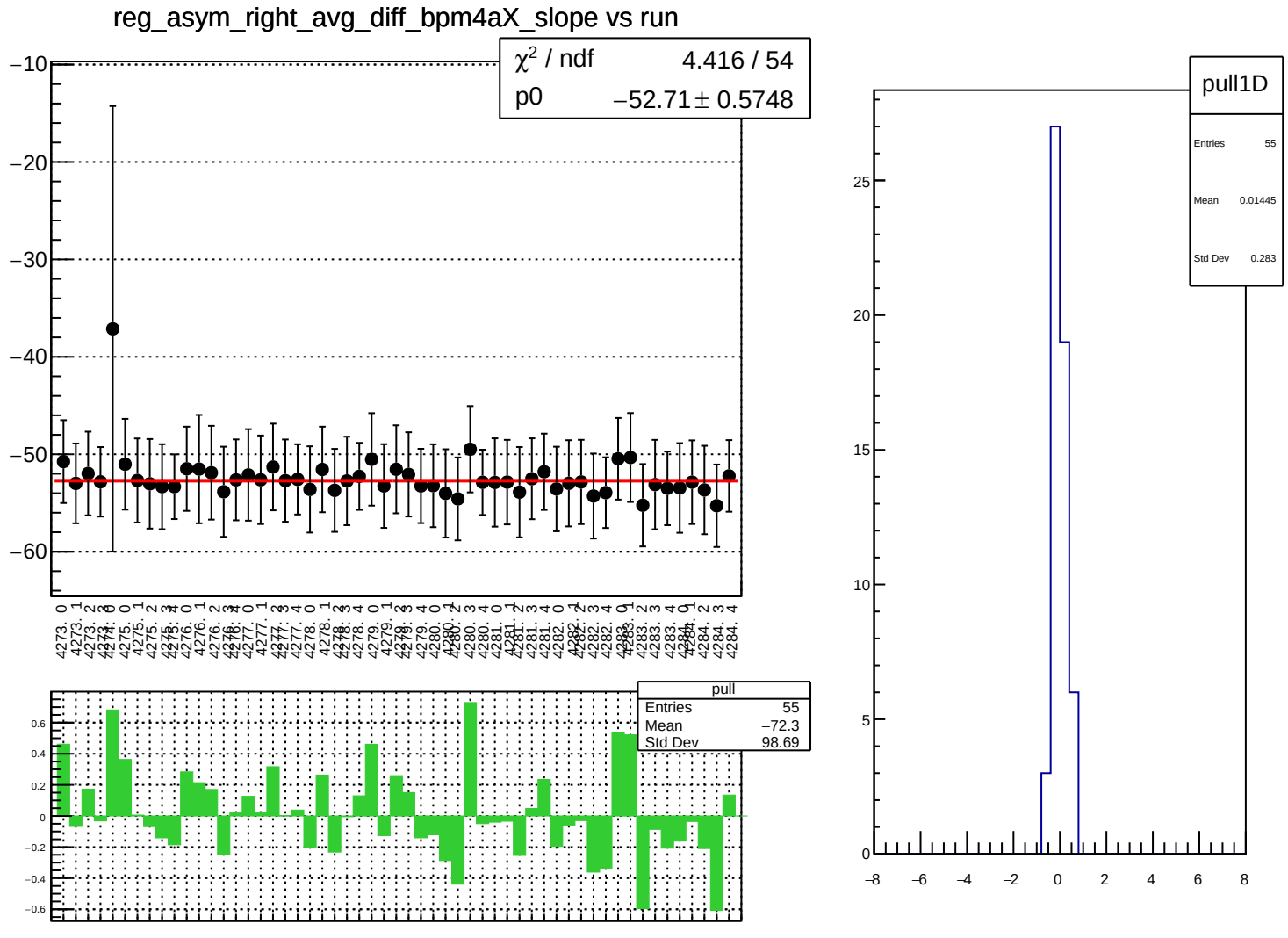

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.53 / 54
p0 2.356 ± 0.005925
pull
Entries 55
Mean 164.4
Std Dev 143.5

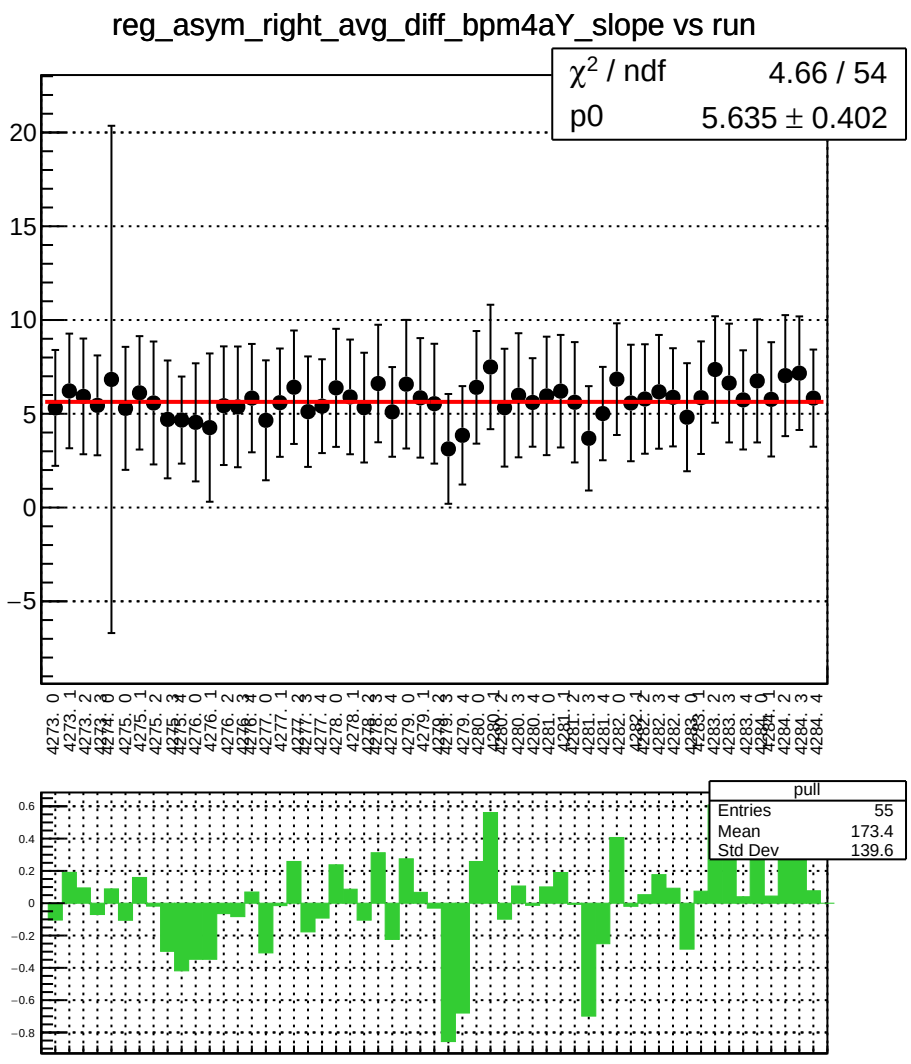

pull1D
Entries 55
Mean 0.01392
Std Dev 0.7571

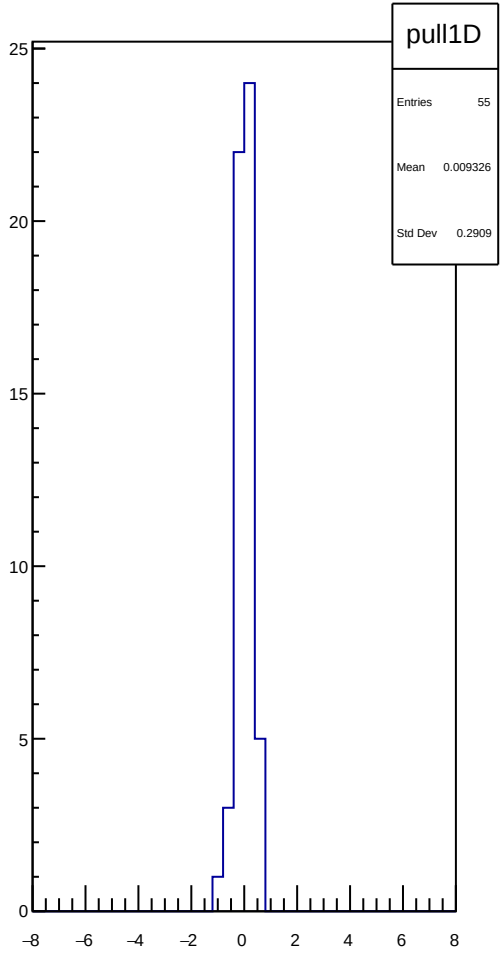

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.23 / 54
p0 −0.1851 ± 0.041
pull
Entries 55
Mean −66.07
Std Dev 92.64

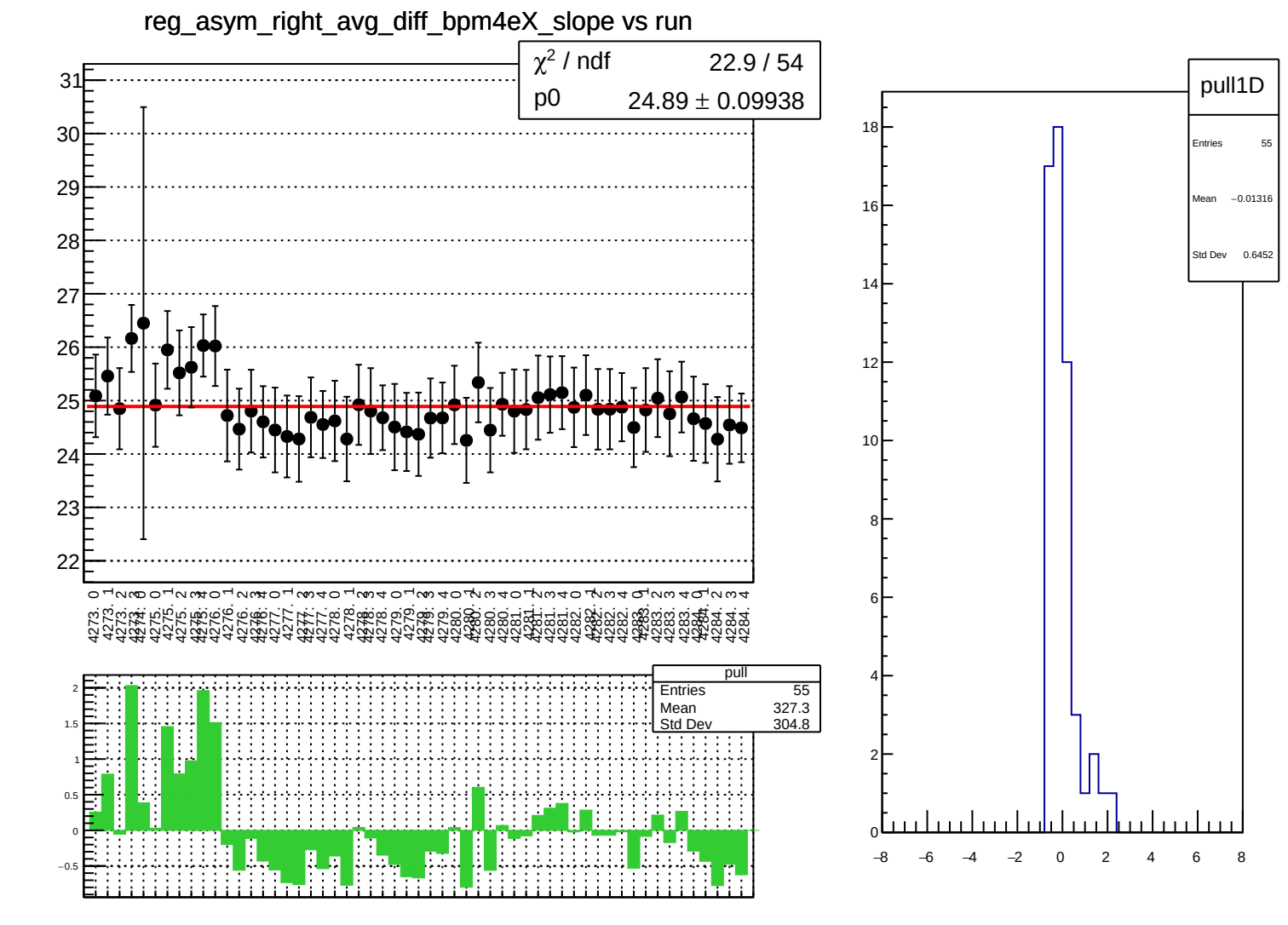

pull1D
Entries 55
Mean −0.01412
Std Dev 0.8445

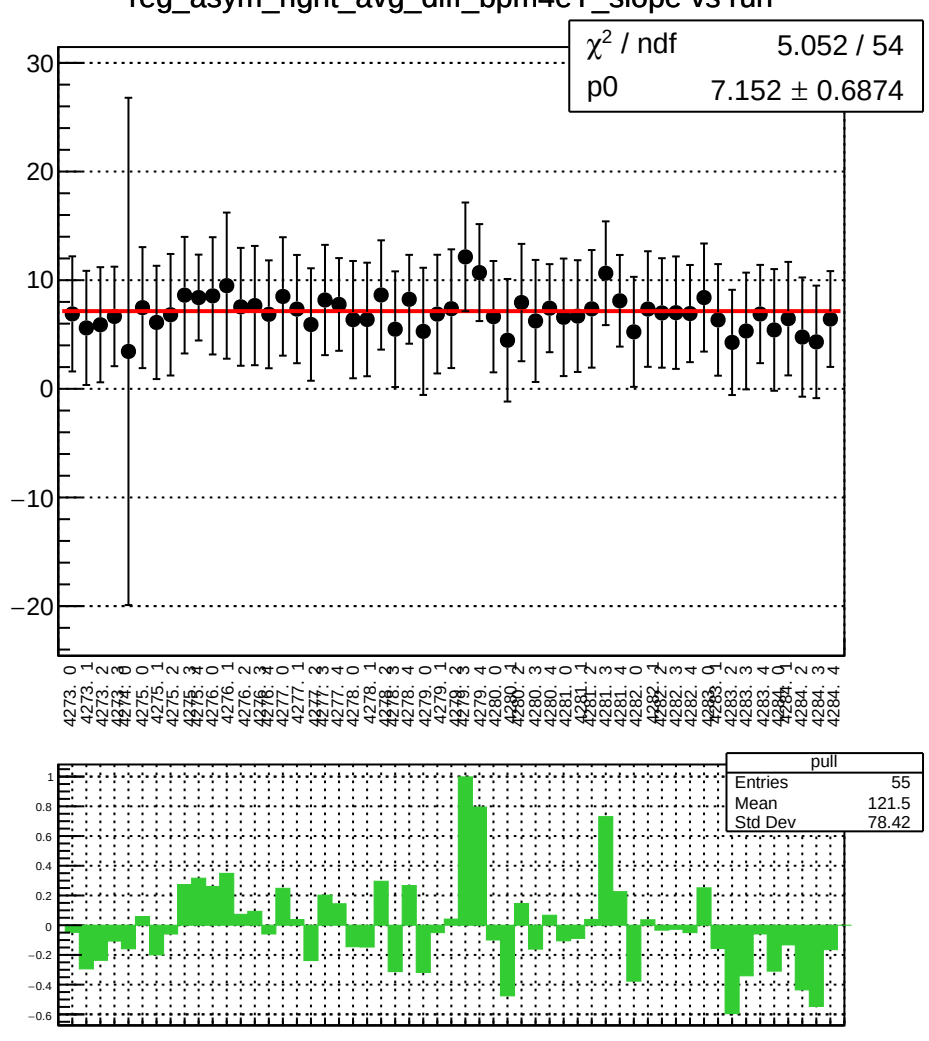

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 38.64 / 54
p0 0.69 ± 0.007077
pull
Entries 55
Mean −212
Std Dev 235.4
pull1D
Entries 55
Mean 0.02134
Std Dev 0.8379

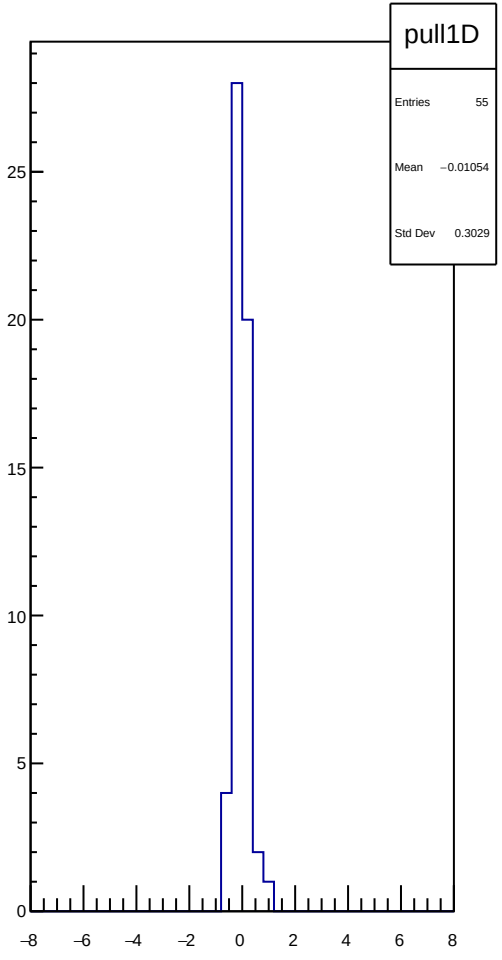

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.416 / 54
p0 −52.71 ± 0.5748
pull
Entries 55
Mean −72.3
Std Dev 98.69
pull1D
Entries 55
Mean 0.01445
Std Dev 0.283

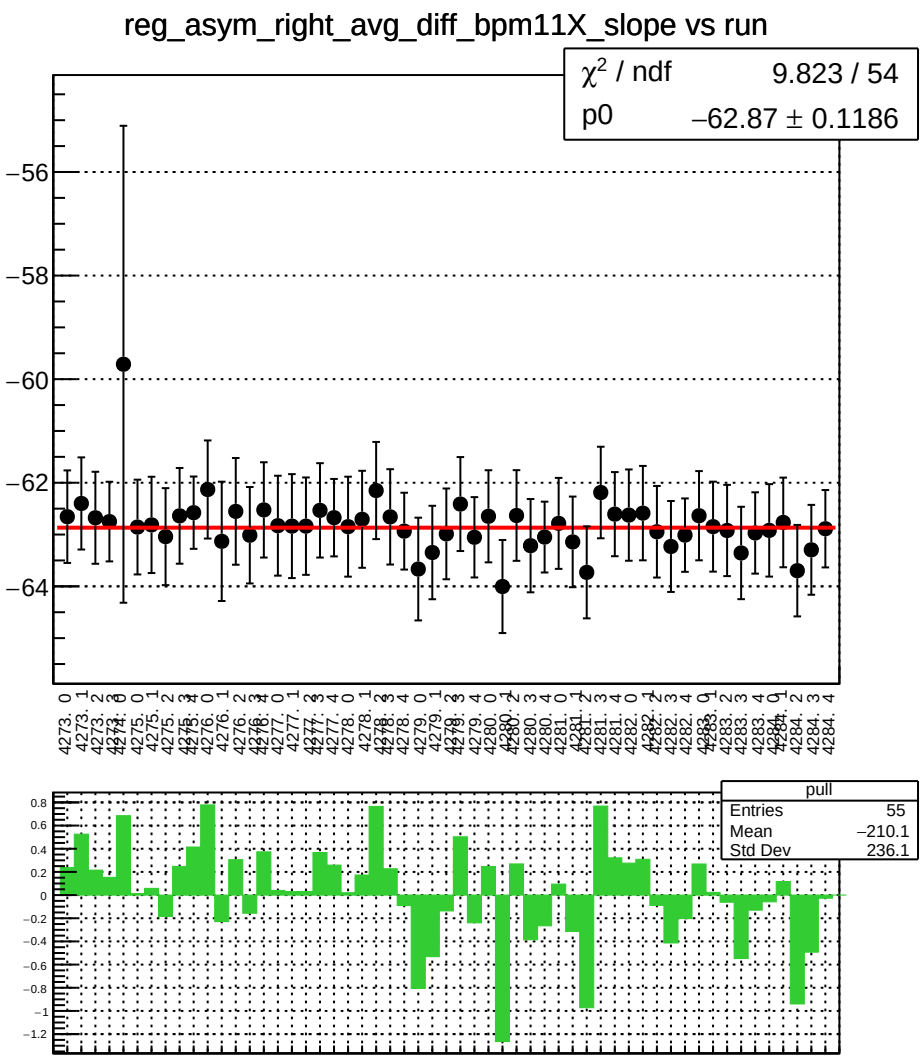

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.66 / 54
p0 5.635 ± 0.402
pull
Entries 55
Mean 173.4
Std Dev 139.6

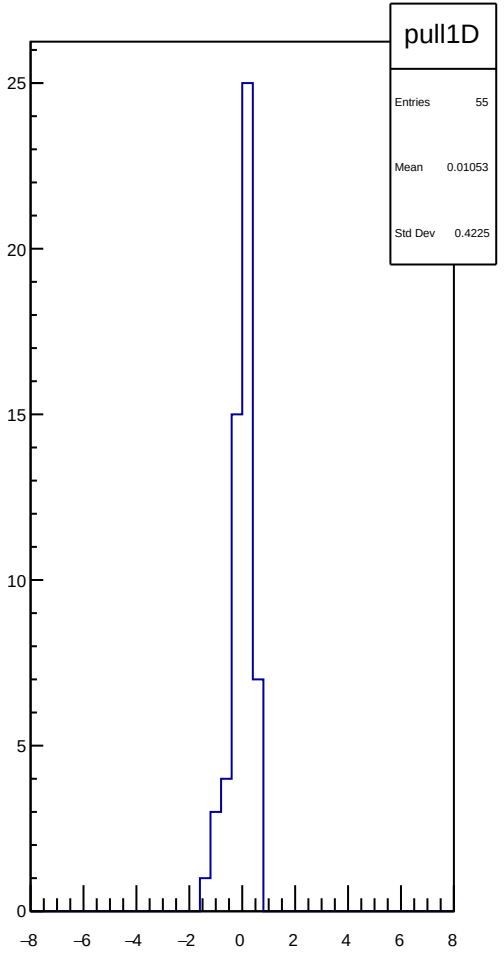

pull1D
Entries 55
Mean 0.009326
Std Dev 0.2909

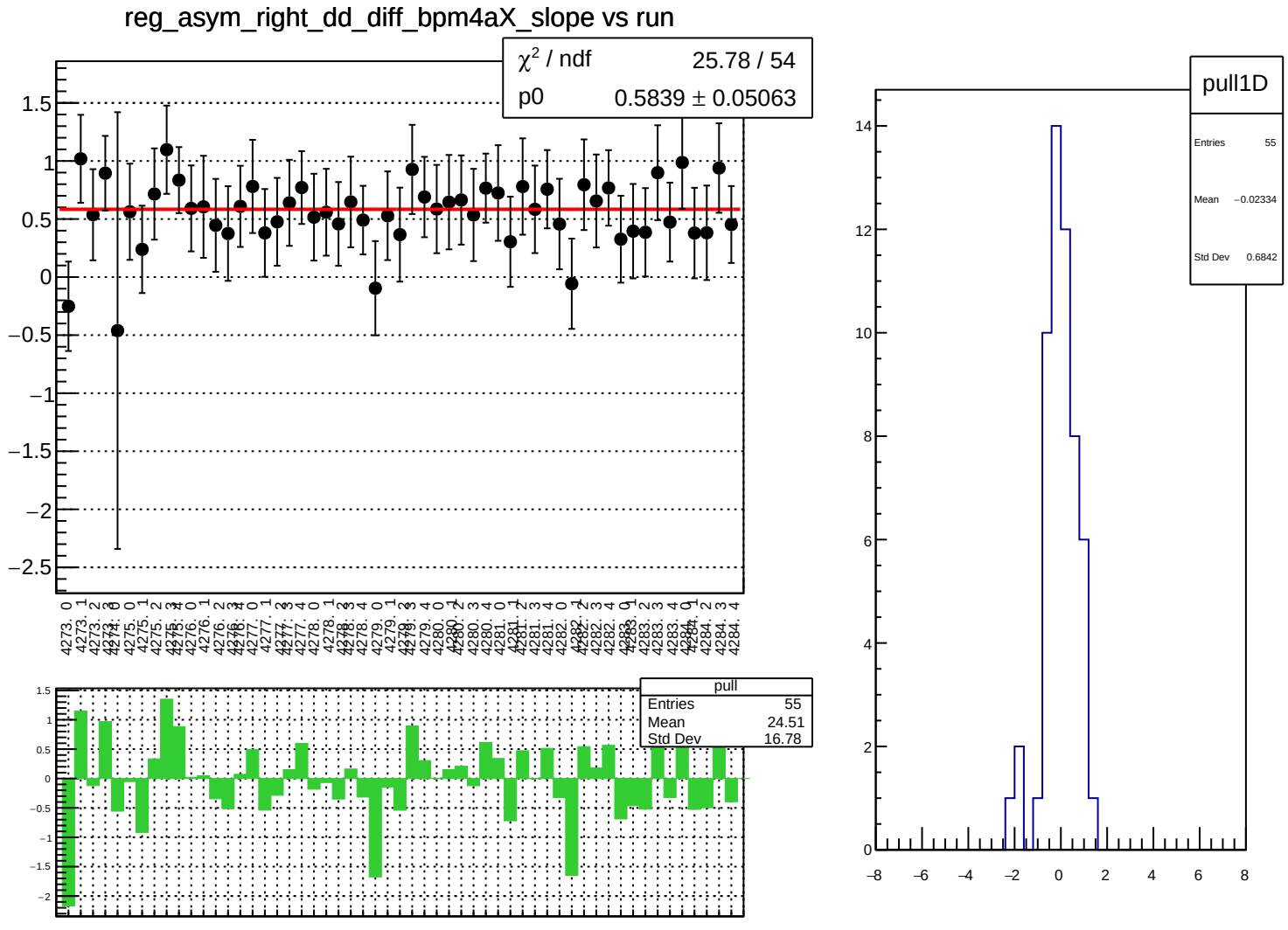

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.9 / 54
p0 24.89 ± 0.09938
pull
Entries 55
Mean 327.3
Std Dev 304.8
pull1D
Entries 55
Mean −0.01316
Std Dev 0.6452

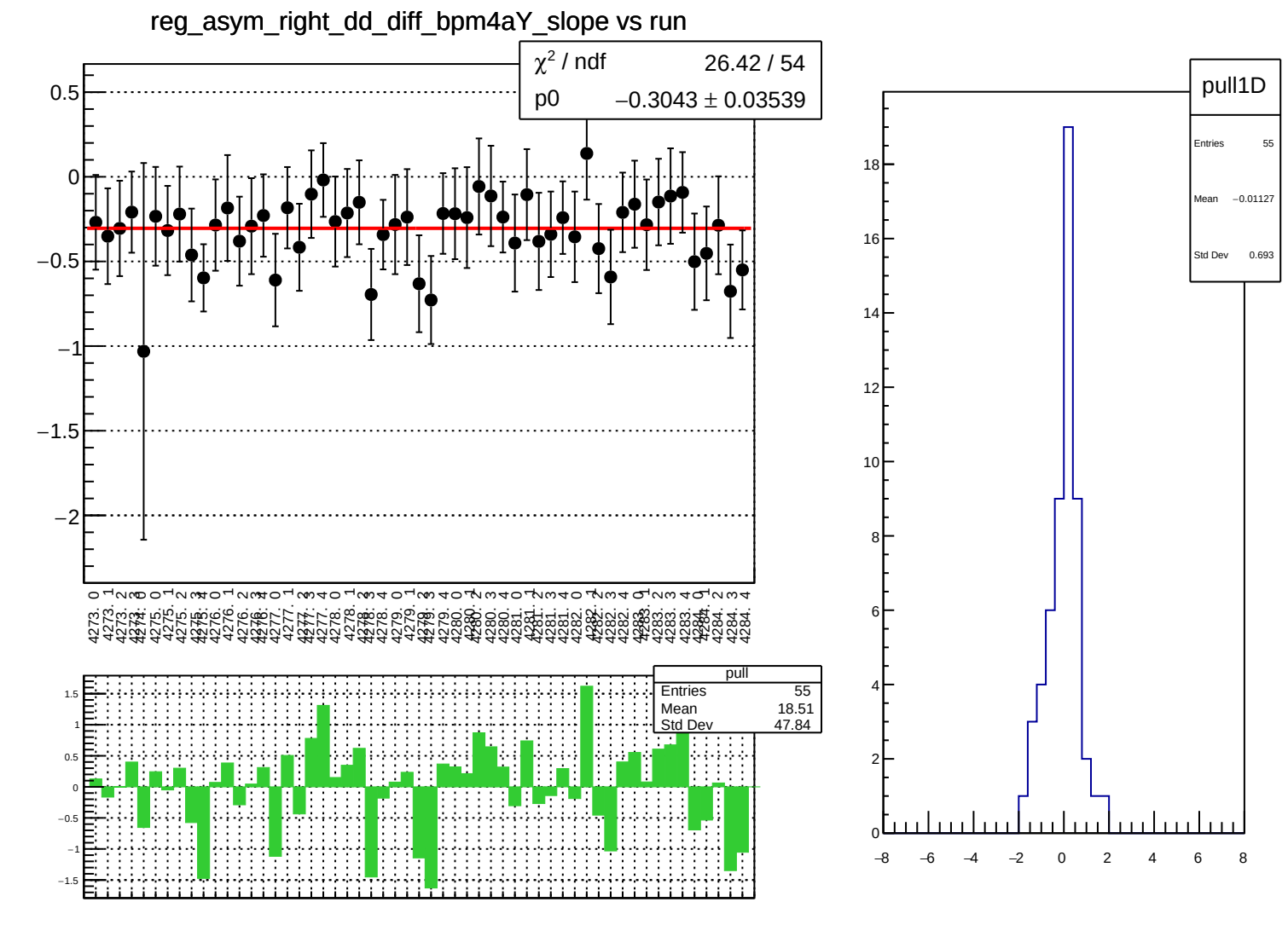

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.052 / 54
p0 7.152 ± 0.6874
pull
Entries 55
Mean 121.5
Std Dev 78.42

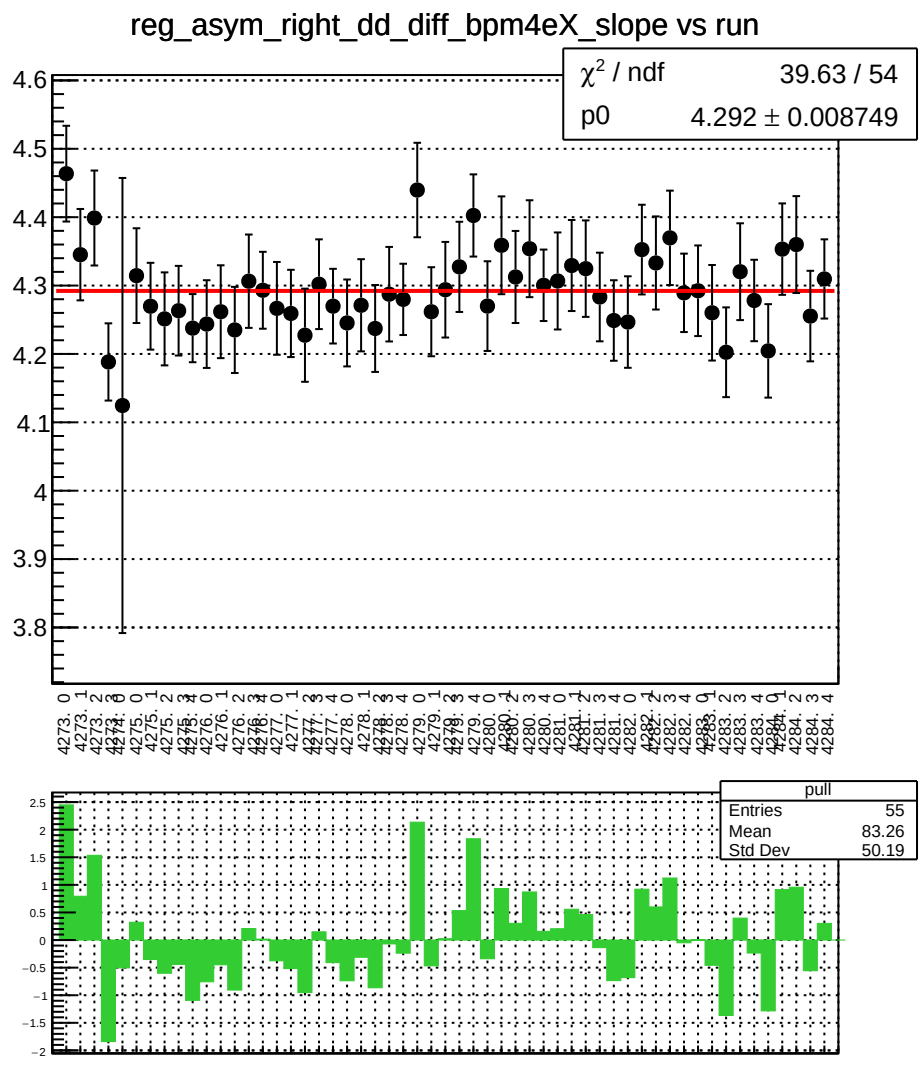

pull1D
Entries 55
Mean −0.01054
Std Dev 0.3029

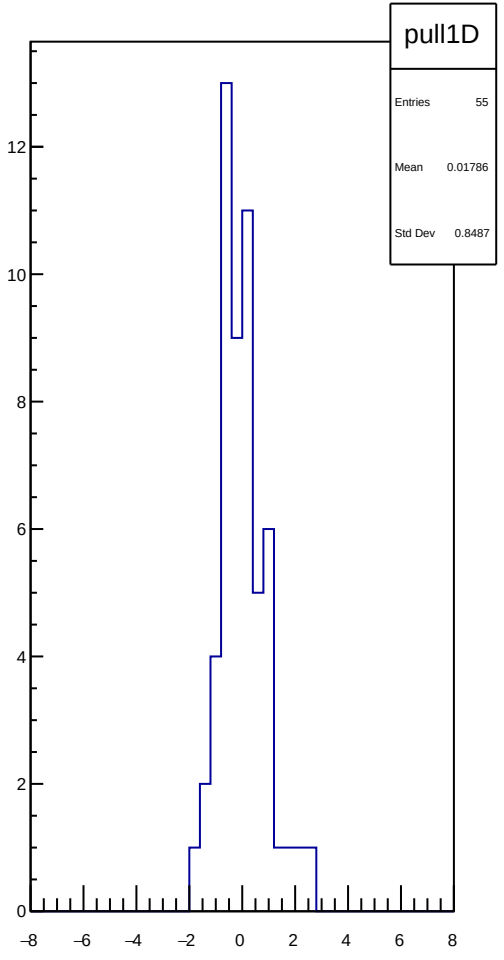

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 9.823 / 54
p0 −62.87 ± 0.1186
pull
Entries 55
Mean −210.1
Std Dev 236.1

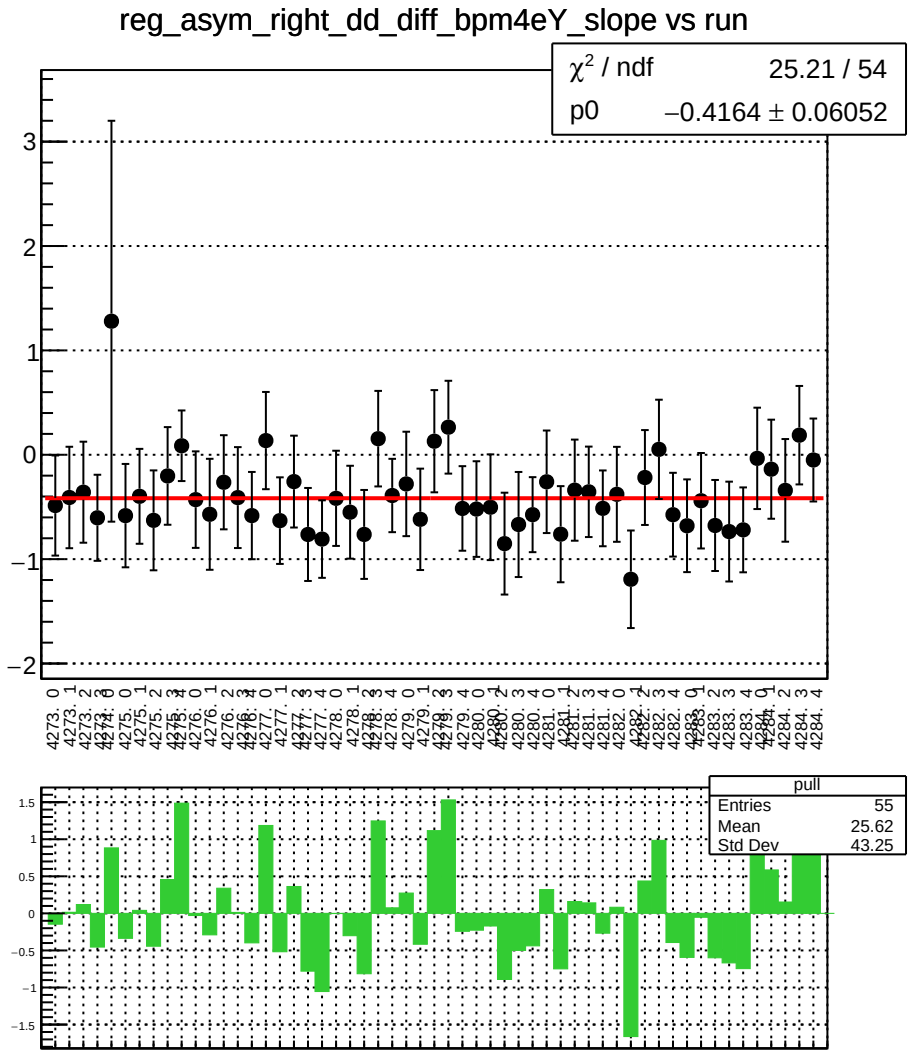

pull1D
Entries 55
Mean 0.01053
Std Dev 0.4225

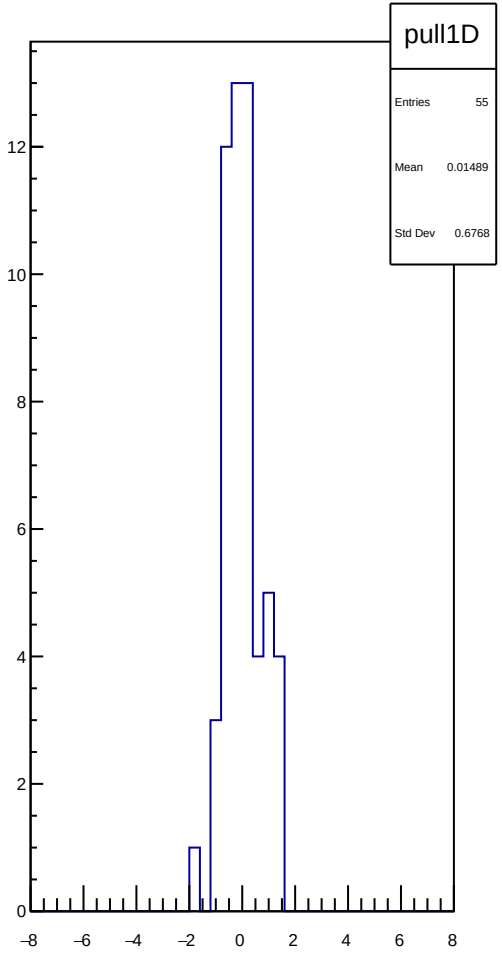

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 25.78 / 54
p0 0.5839 ± 0.05063
pull
Entries 55
Mean 24.51
Std Dev 16.78
pull1D
Entries 55
Mean −0.02334
Std Dev 0.6842

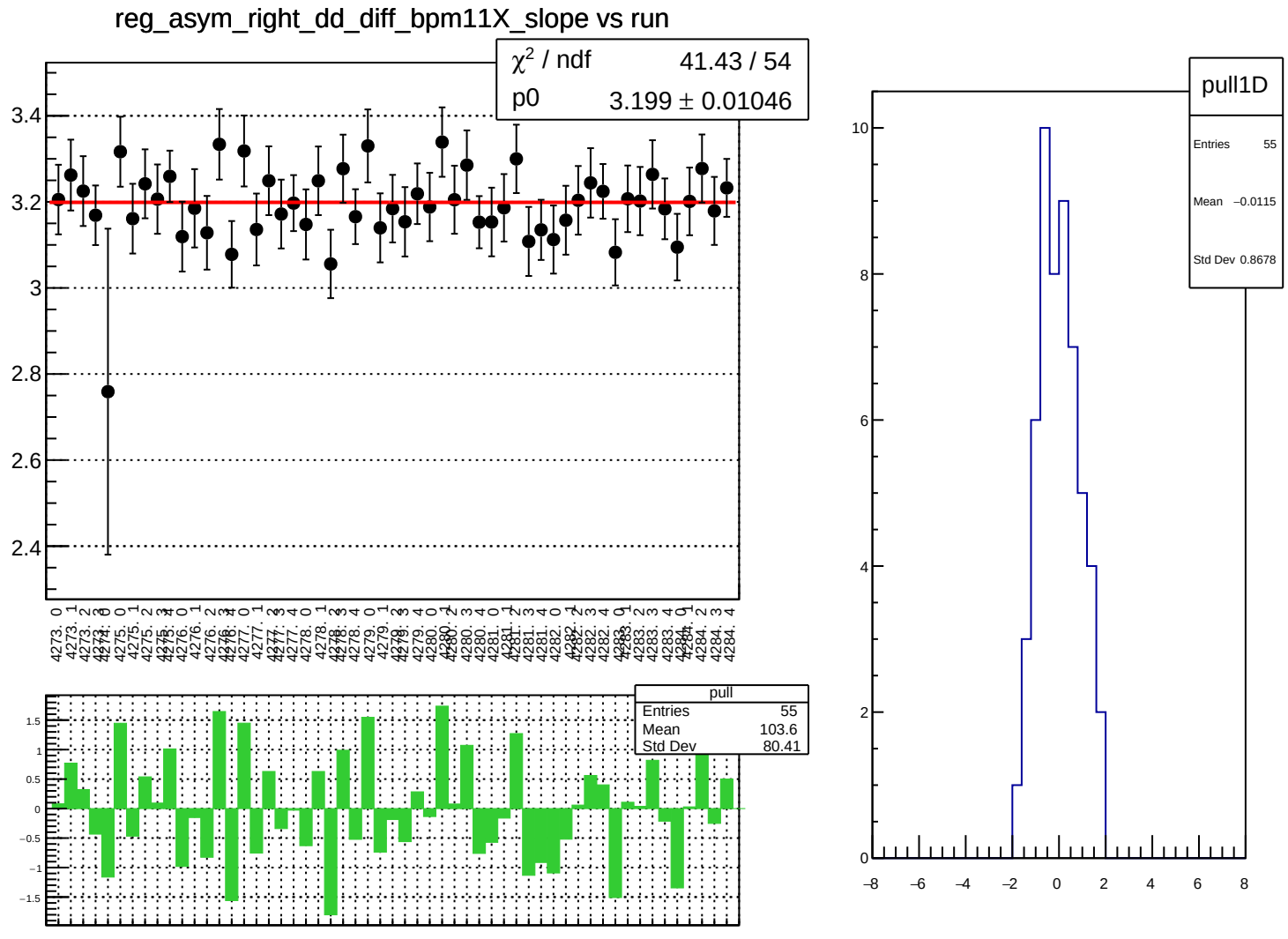

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.42 / 54
p0 −0.3043 ± 0.03539
pull
Entries 55
Mean 18.51
Std Dev 47.84
pull1D
Entries 55
Mean −0.01127
Std Dev 0.693

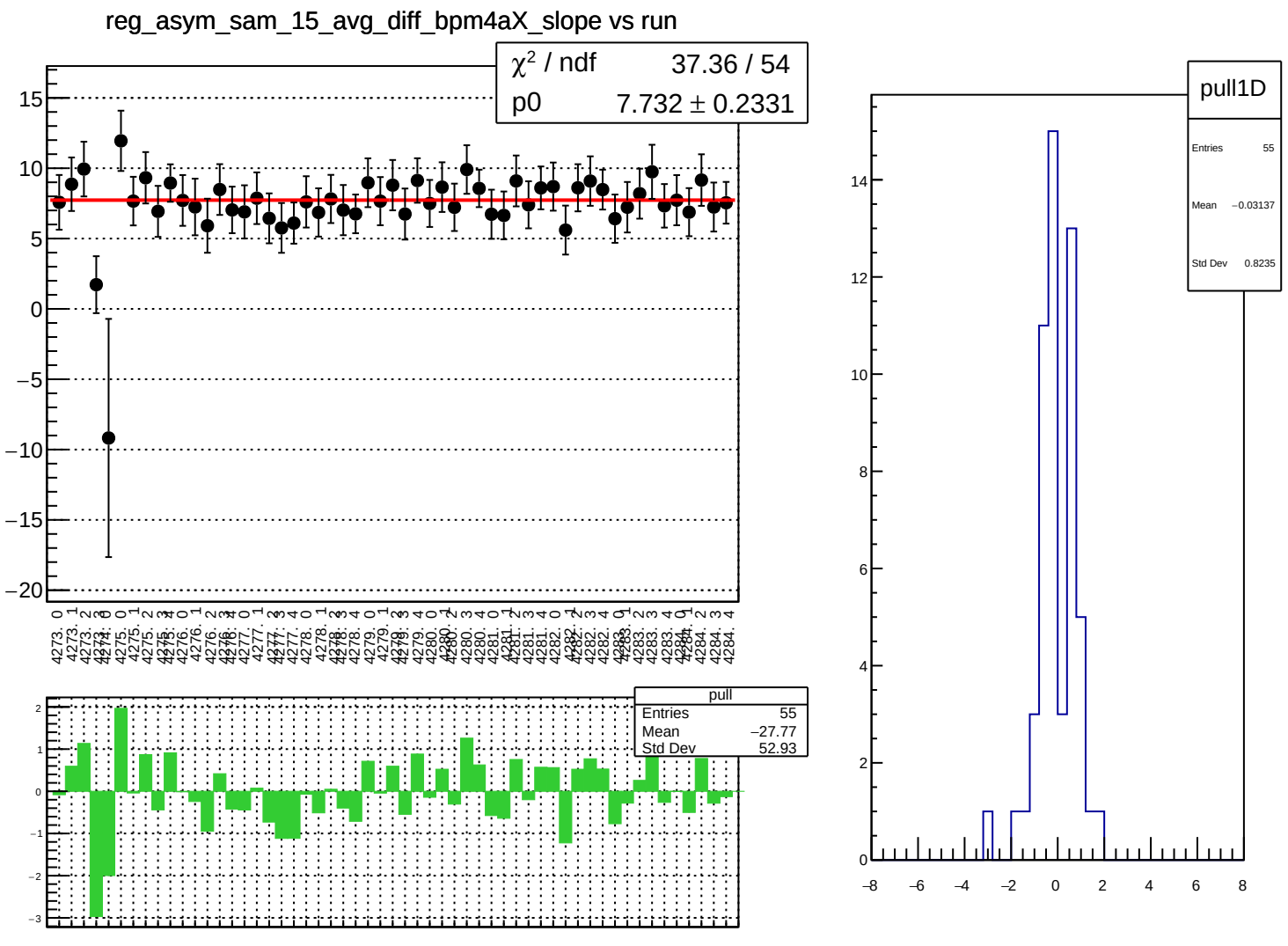

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.63 / 54
p0 4.292 ± 0.008749
pull
Entries 55
Mean 83.26
Std Dev 50.19

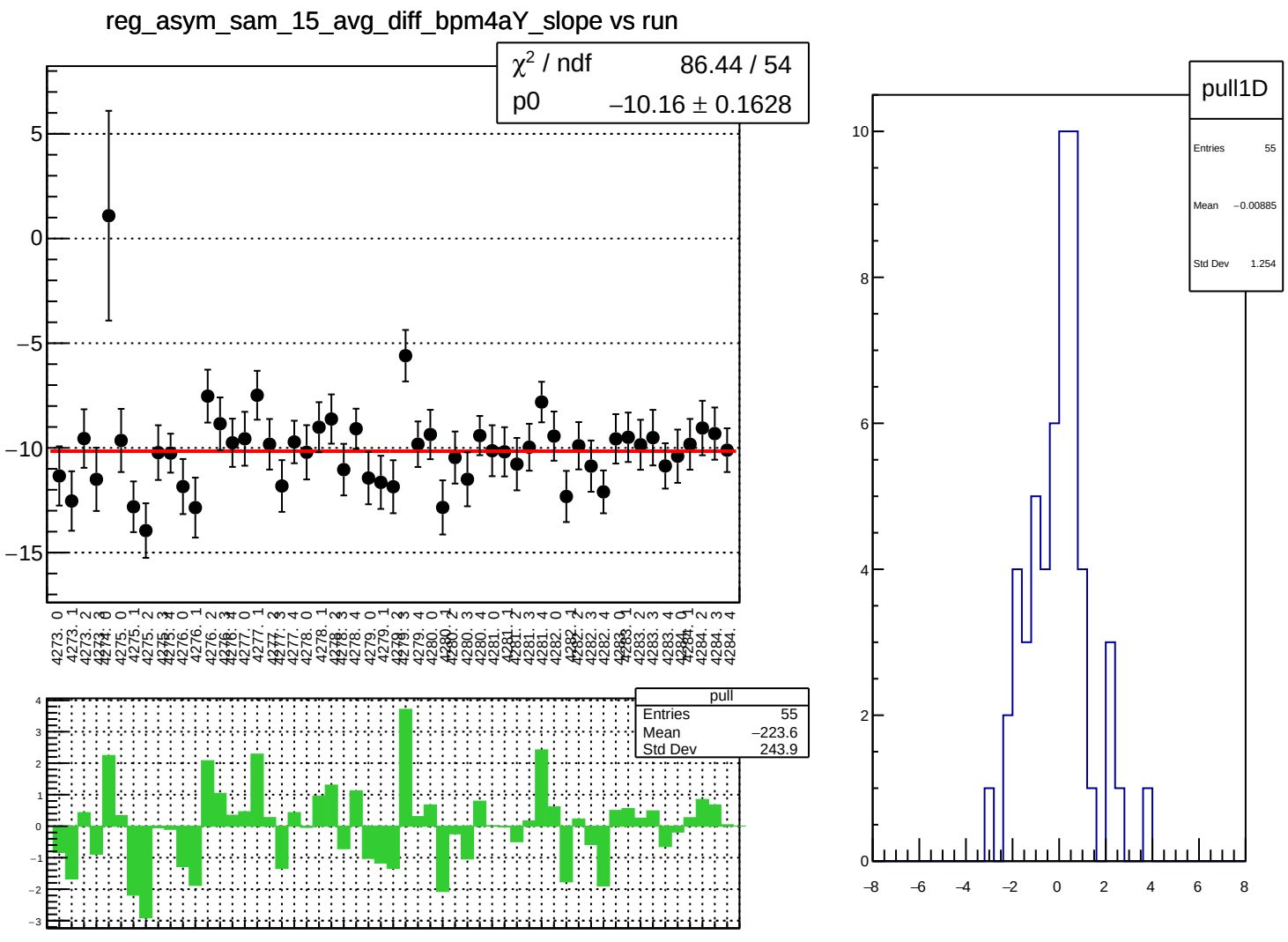

pull1D
Entries 55
Mean 0.01786
Std Dev 0.8487

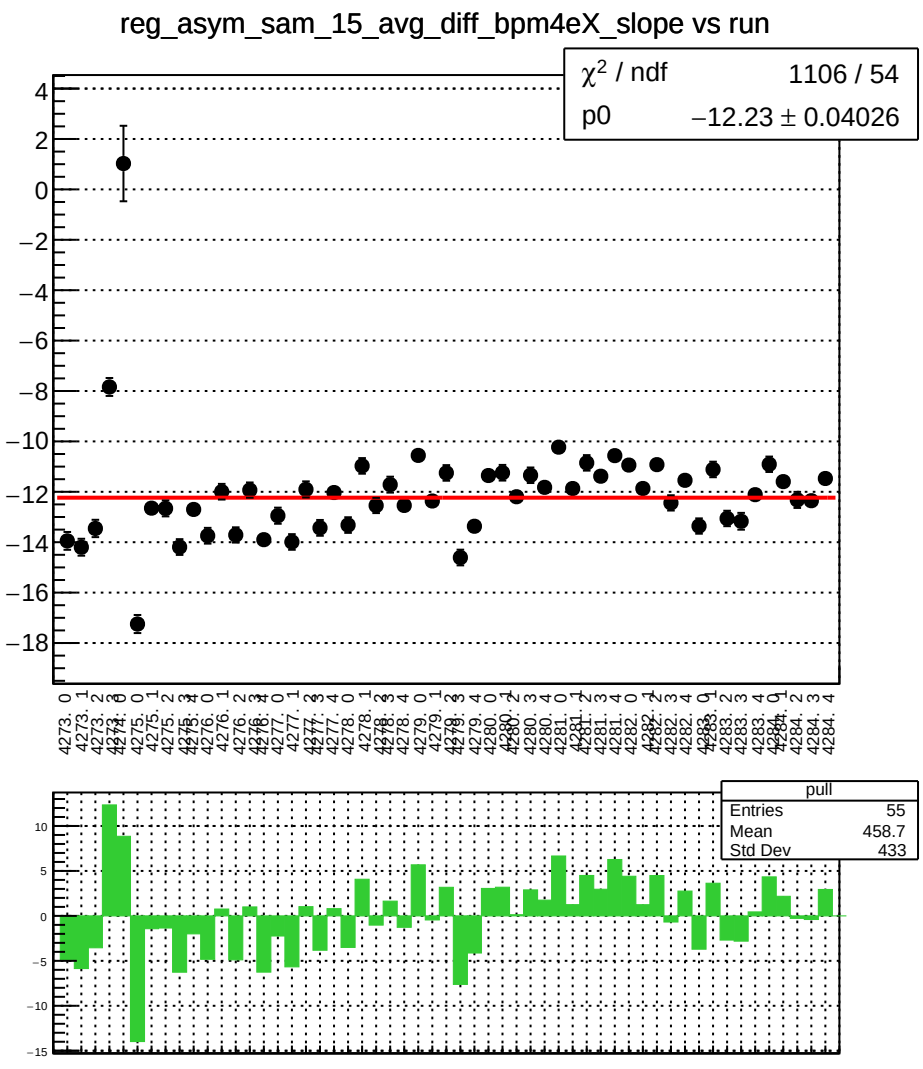

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.21 / 54
p0 −0.4164 ± 0.06052
pull
Entries 55
Mean 25.62
Std Dev 43.25

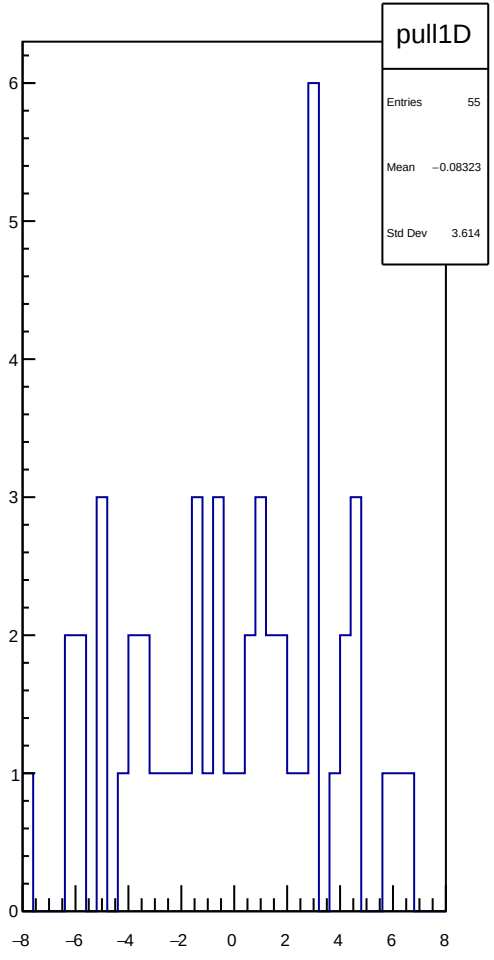

pull1D
Entries 55
Mean 0.01489
Std Dev 0.6768

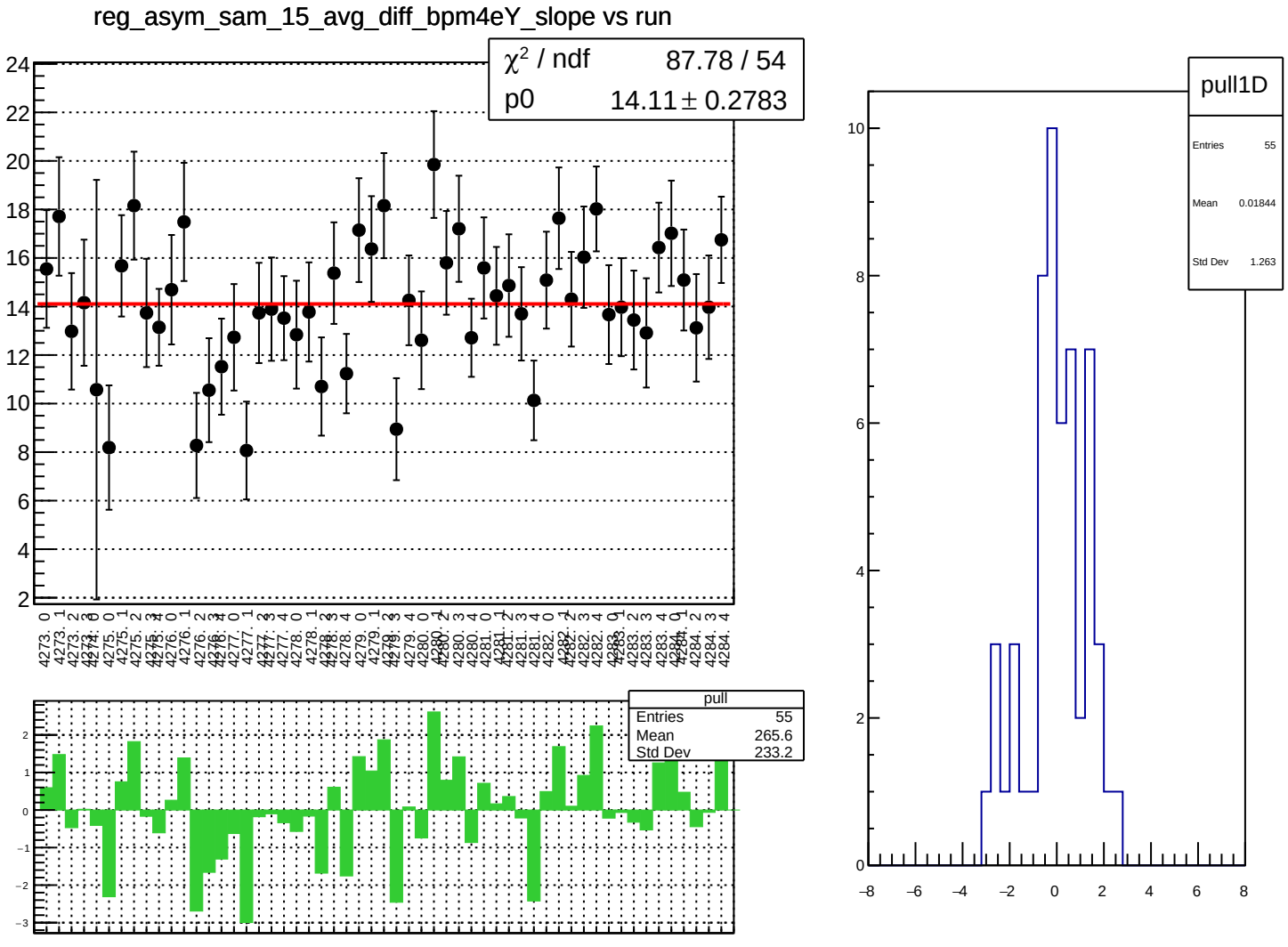

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 41.43 / 54
p0 3.199 ± 0.01046
pull
Entries 55
Mean 103.6
Std Dev 80.41
pull1D
Entries 55
Mean −0.0115
Std Dev 0.8678

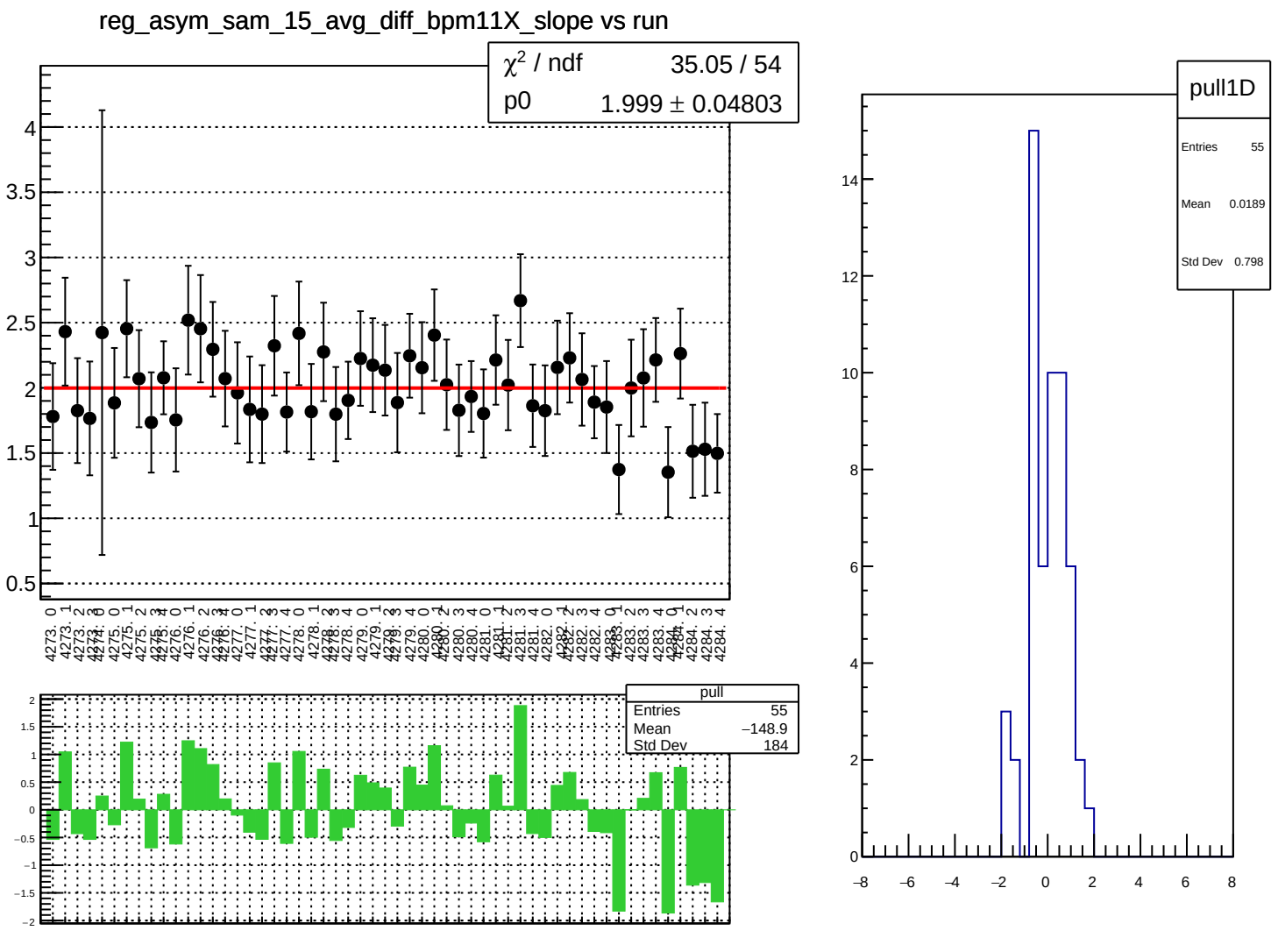

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 37.36 / 54
p0 7.732 ± 0.2331
pull
Entries 55
Mean −27.77
Std Dev 52.93
pull1D
Entries 55
Mean −0.03137
Std Dev 0.8235

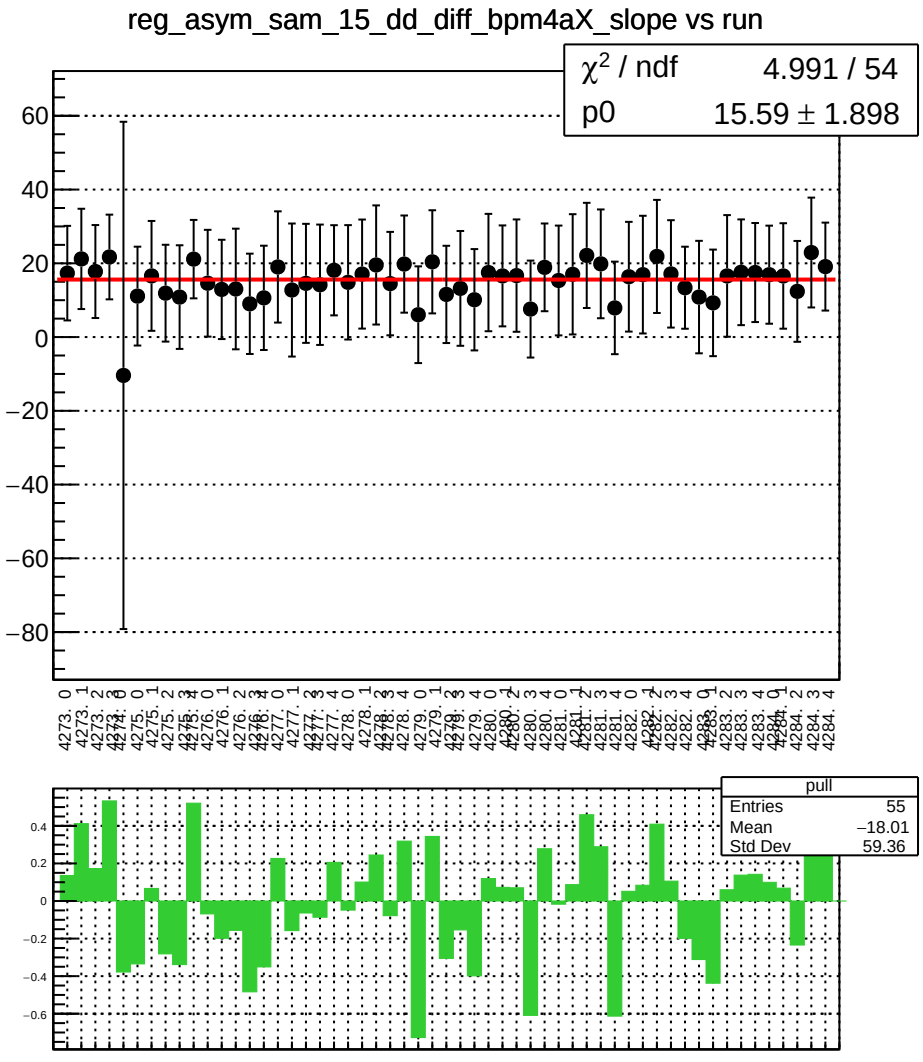

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 86.44 / 54
p0 −10.16 ± 0.1628
pull
Entries 55
Mean −223.6
Std Dev 243.9
pull1D
Entries 55
Mean −0.00885
Std Dev 1.254

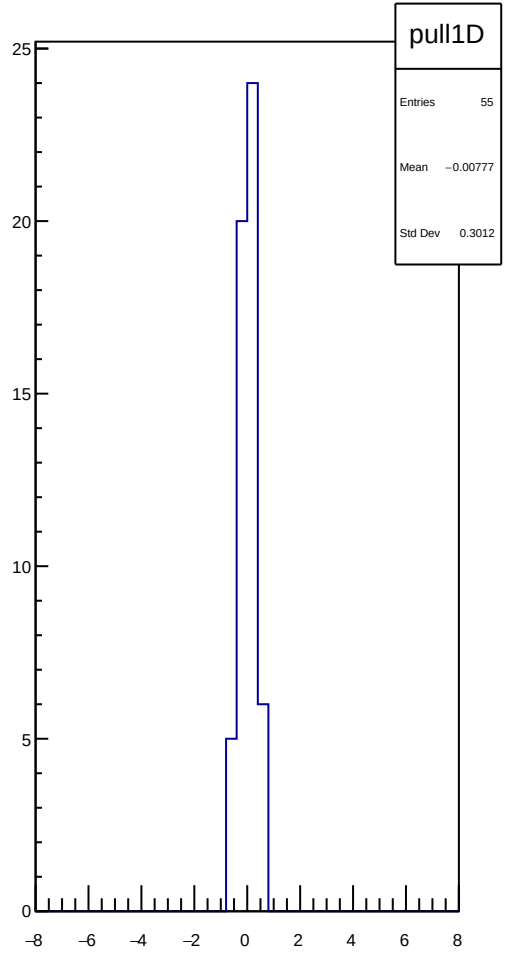

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 1106 / 54
p0 −12.23 ± 0.04026
pull
Entries 55
Mean 458.7
Std Dev 433

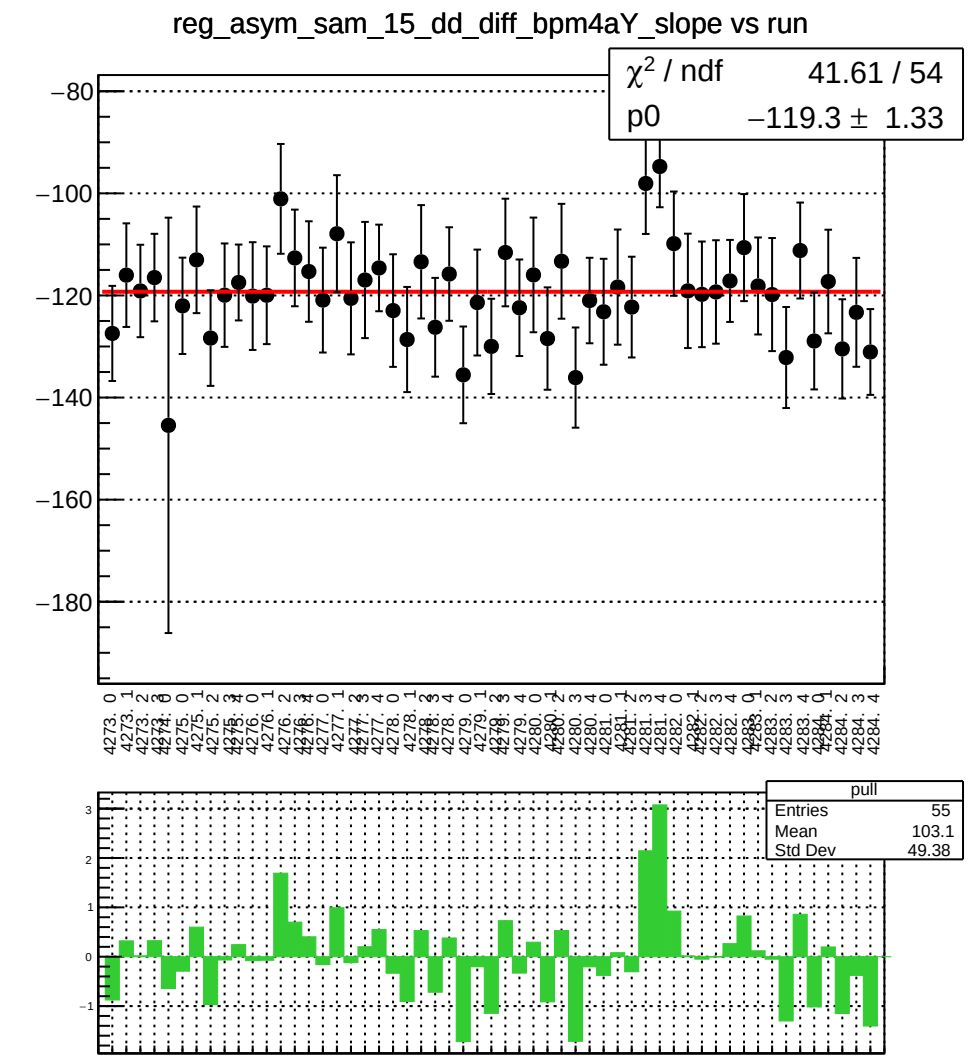

pull1D
Entries 55
Mean −0.08323
Std Dev 3.614

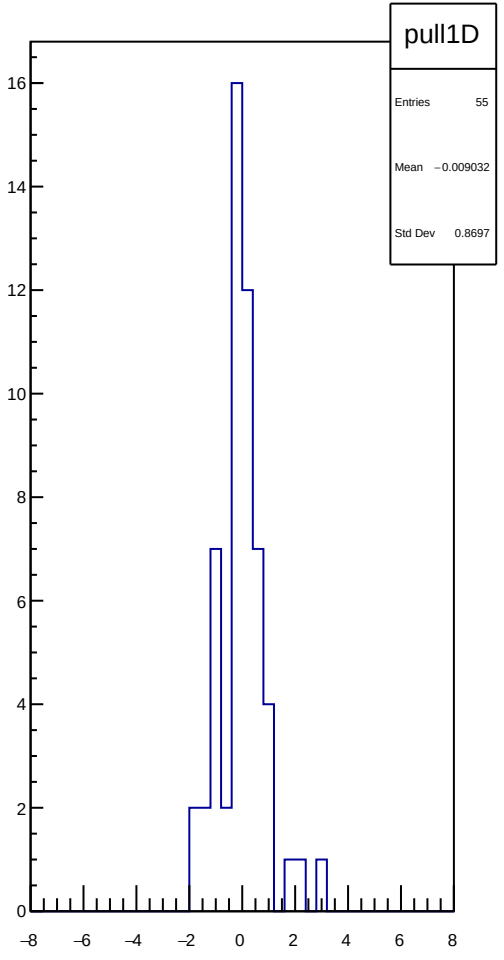

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 87.78 / 54
p0 14.11 ± 0.2783
pull
Entries 55
Mean 265.6
Std Dev 233.2
pull1D
Entries 55
Mean 0.01844
Std Dev 1.263

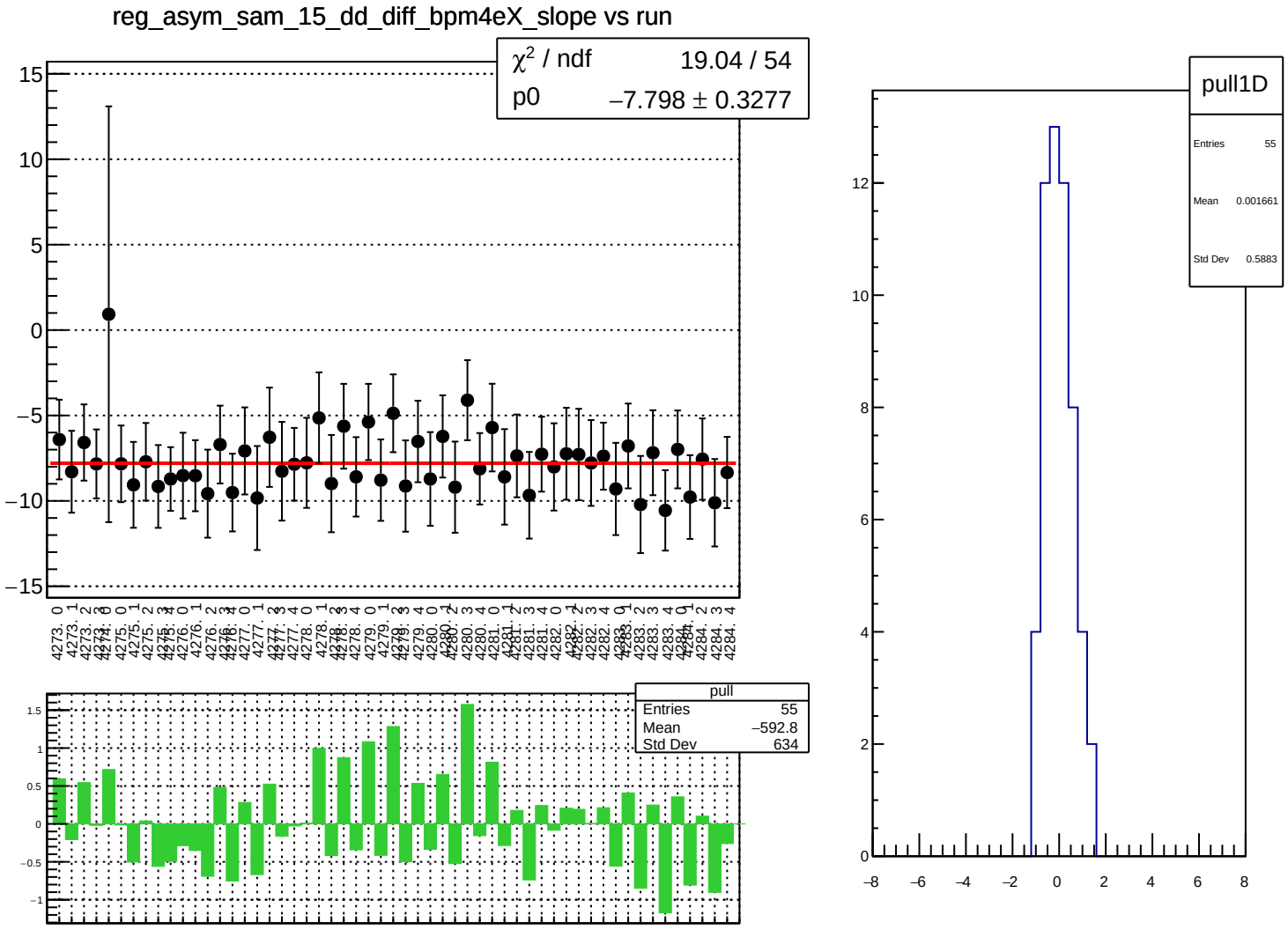

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 35.05 / 54
p0 1.999 ± 0.04803
pull
Entries 55
Mean −148.9
Std Dev 184
pull1D
Entries 55
Mean 0.0189
Std Dev 0.798

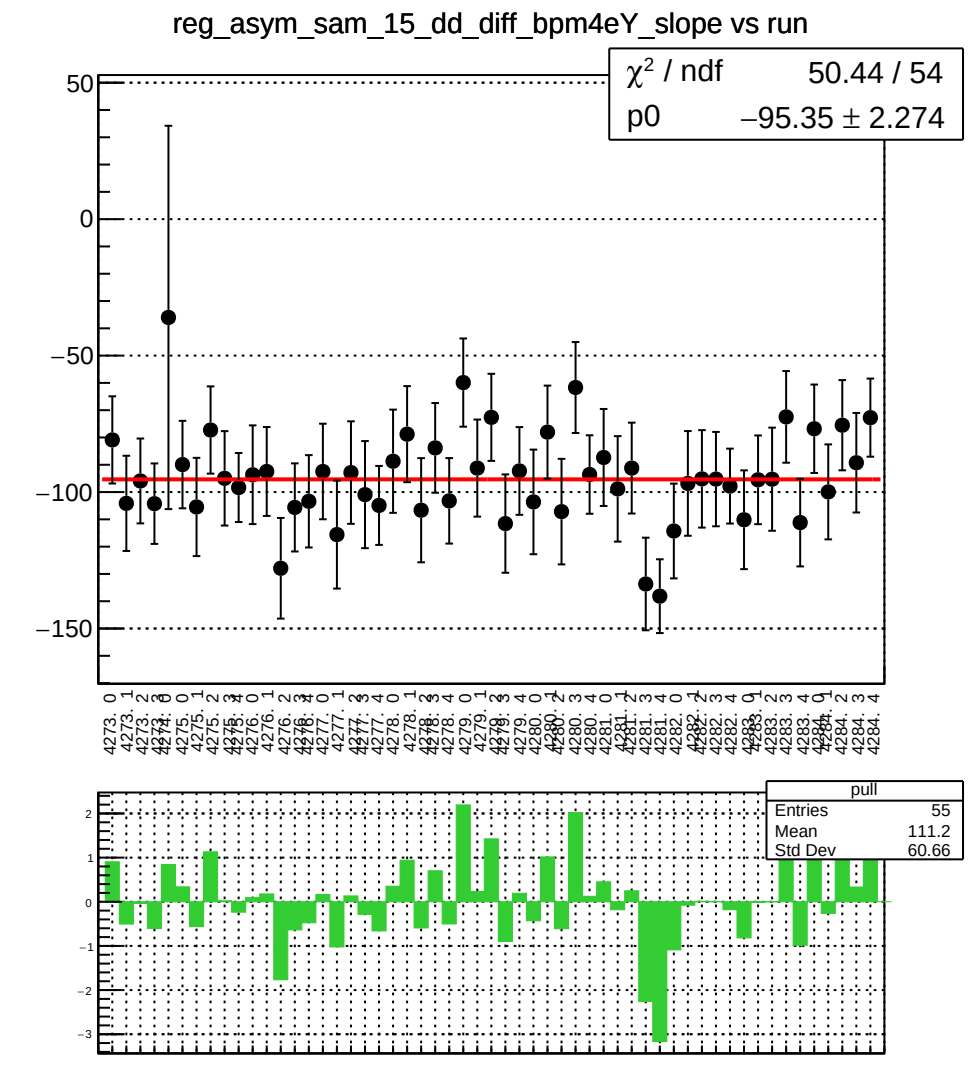

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.991 / 54
p0 15.59 ± 1.898
pull
Entries 55
Mean −18.01
Std Dev 59.36

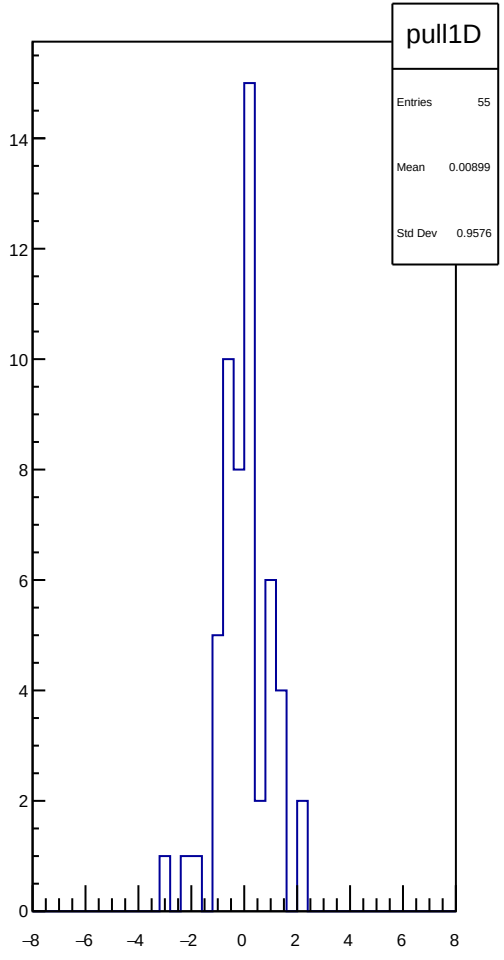

pull1D
Entries 55
Mean −0.00777
Std Dev 0.3012

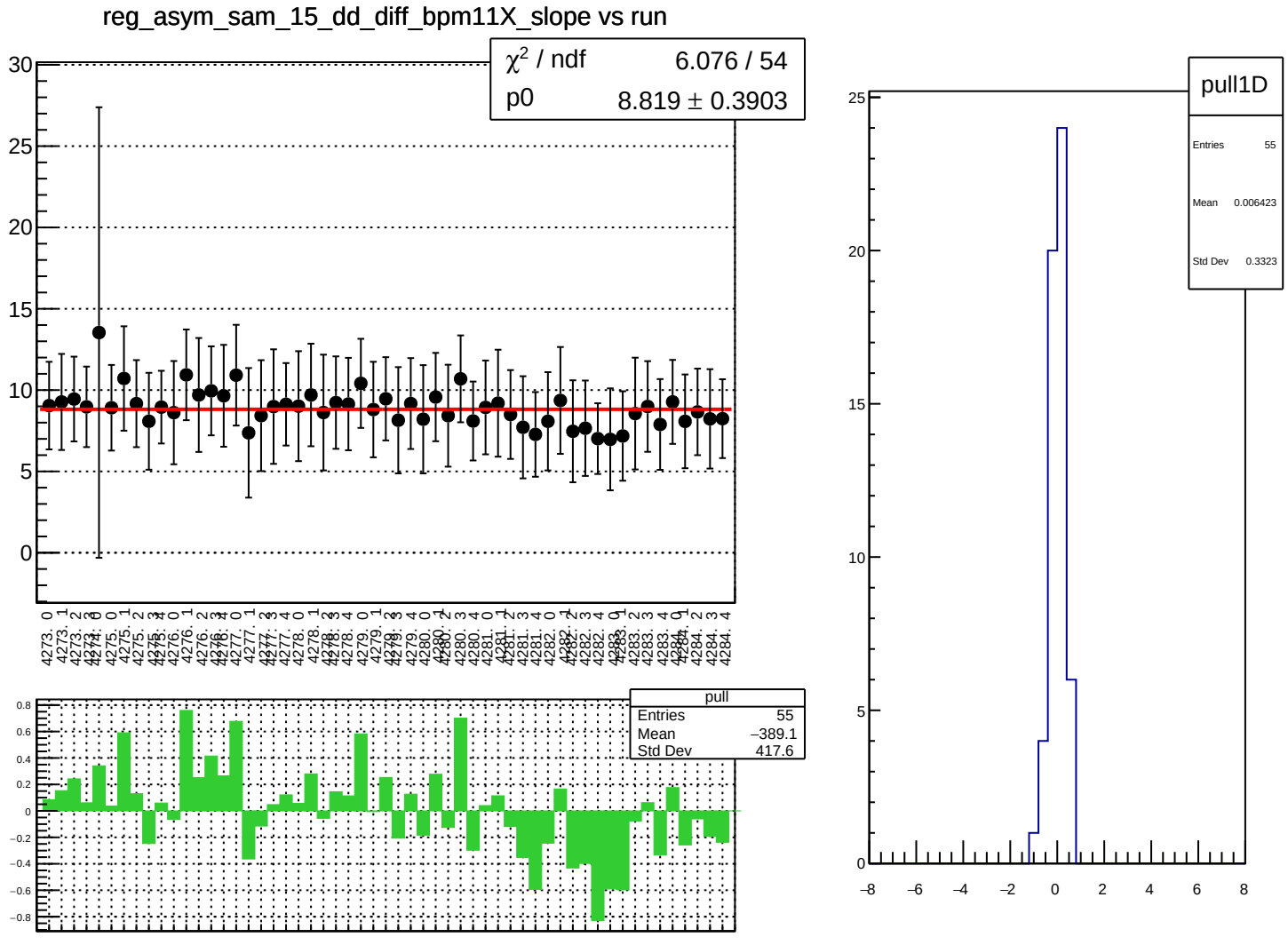

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.61 / 54
p0 −119.3 ± 1.33
pull
Entries 55
Mean 103.1
Std Dev 49.38

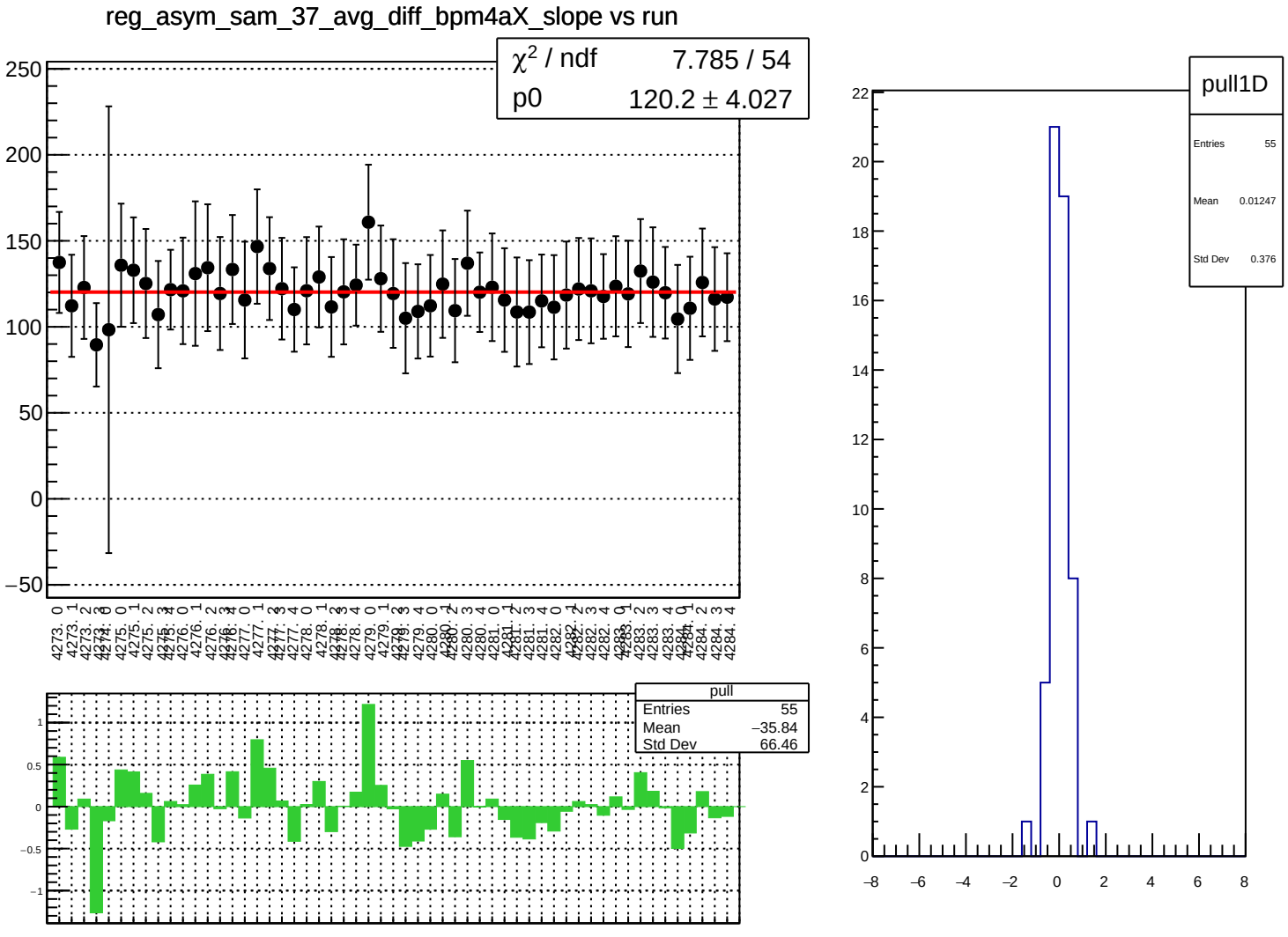

pull1D
Entries 55
Mean −0.009032
Std Dev 0.8697

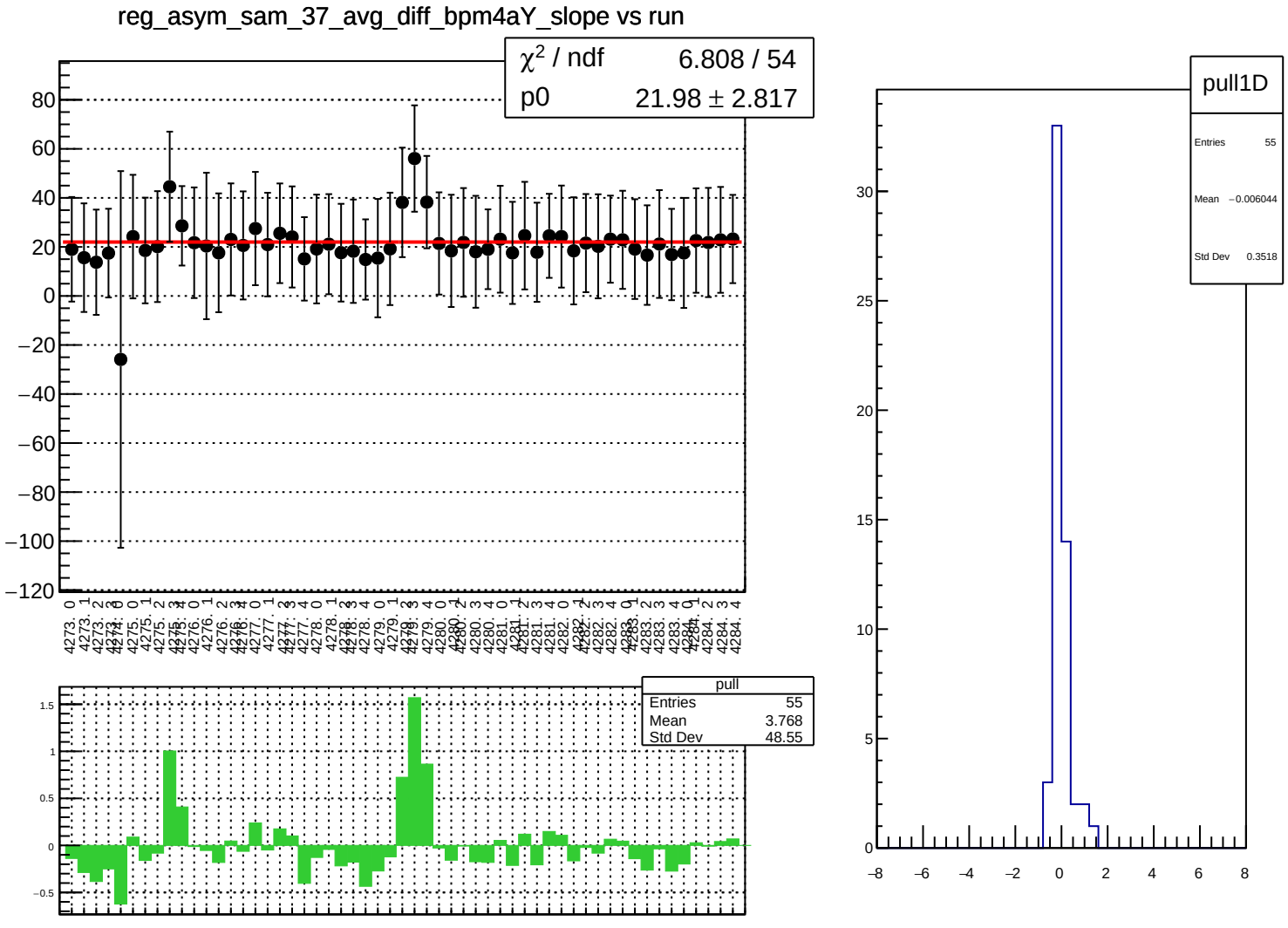

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.04 / 54
p0 −7.798 ± 0.3277
pull
Entries 55
Mean −592.8
Std Dev 634
pull1D
Entries 55
Mean 0.001661
Std Dev 0.5883

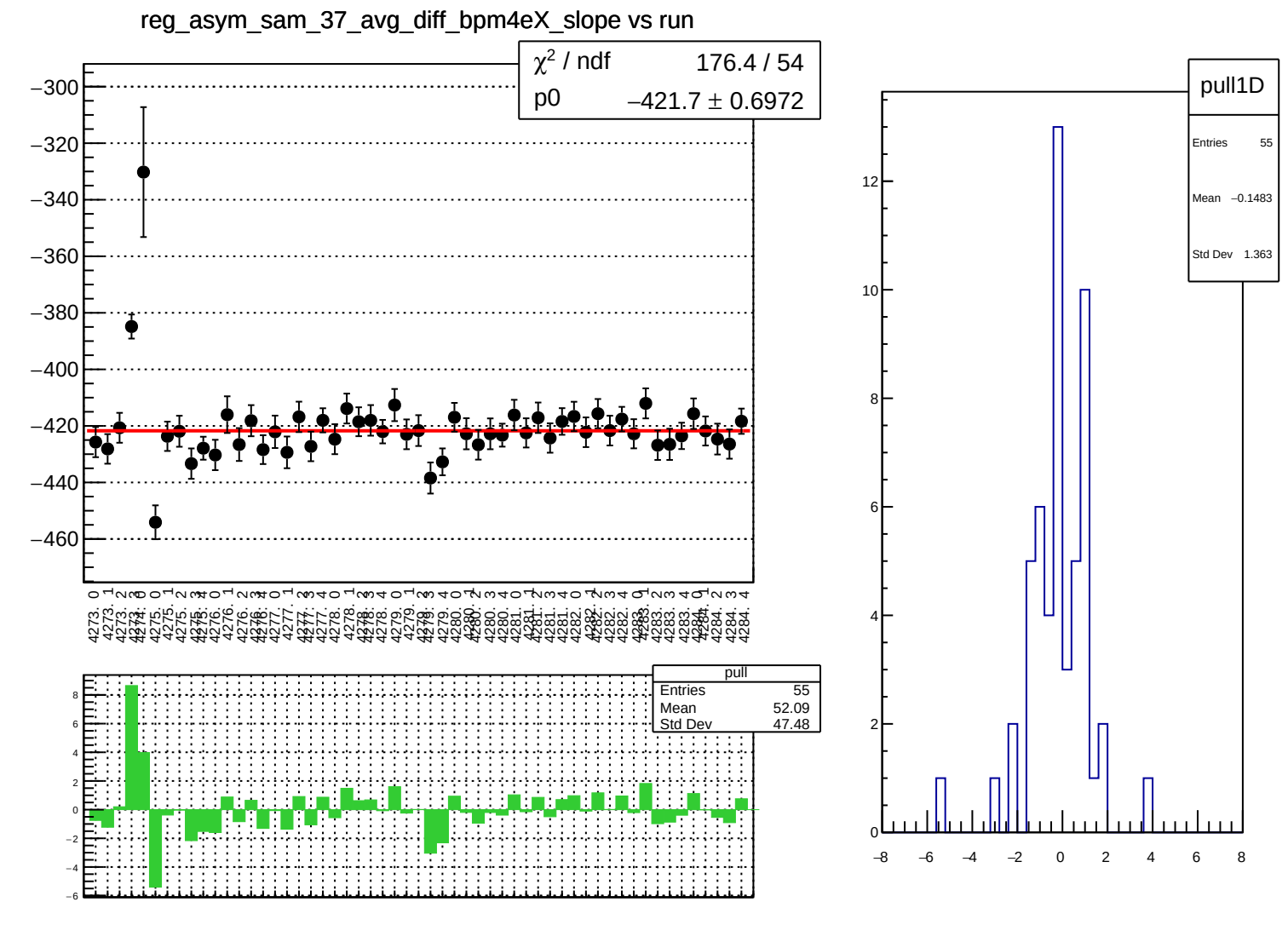

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.44 / 54
p0 −95.35 ± 2.274
50
0
−50
−100
−150
pull
Entries 55
Mean 111.2
Std Dev 60.66
2
1
0
−1
−2
−3

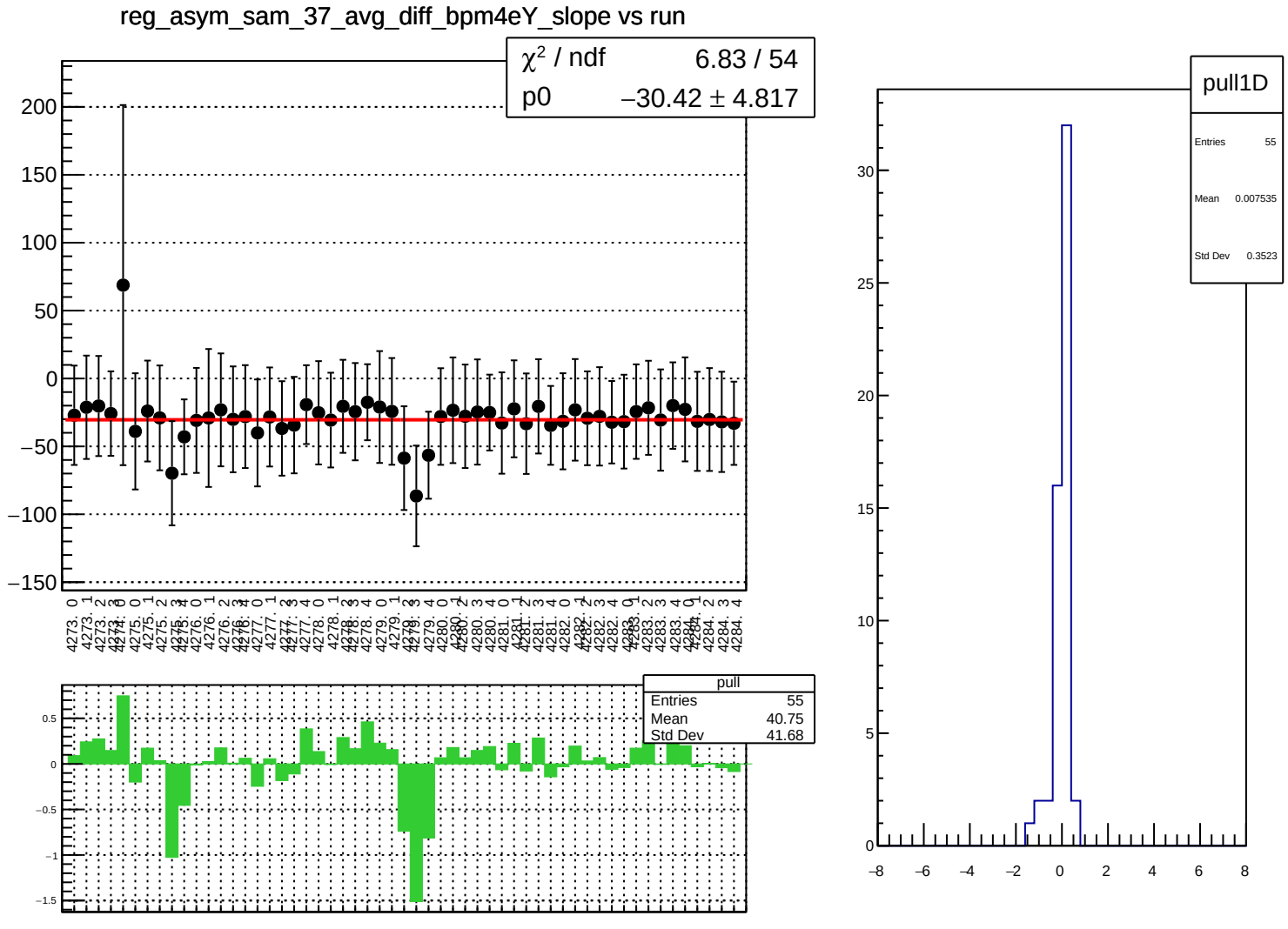

pull1D
Entries 55
Mean 0.00899
Std Dev 0.9576
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

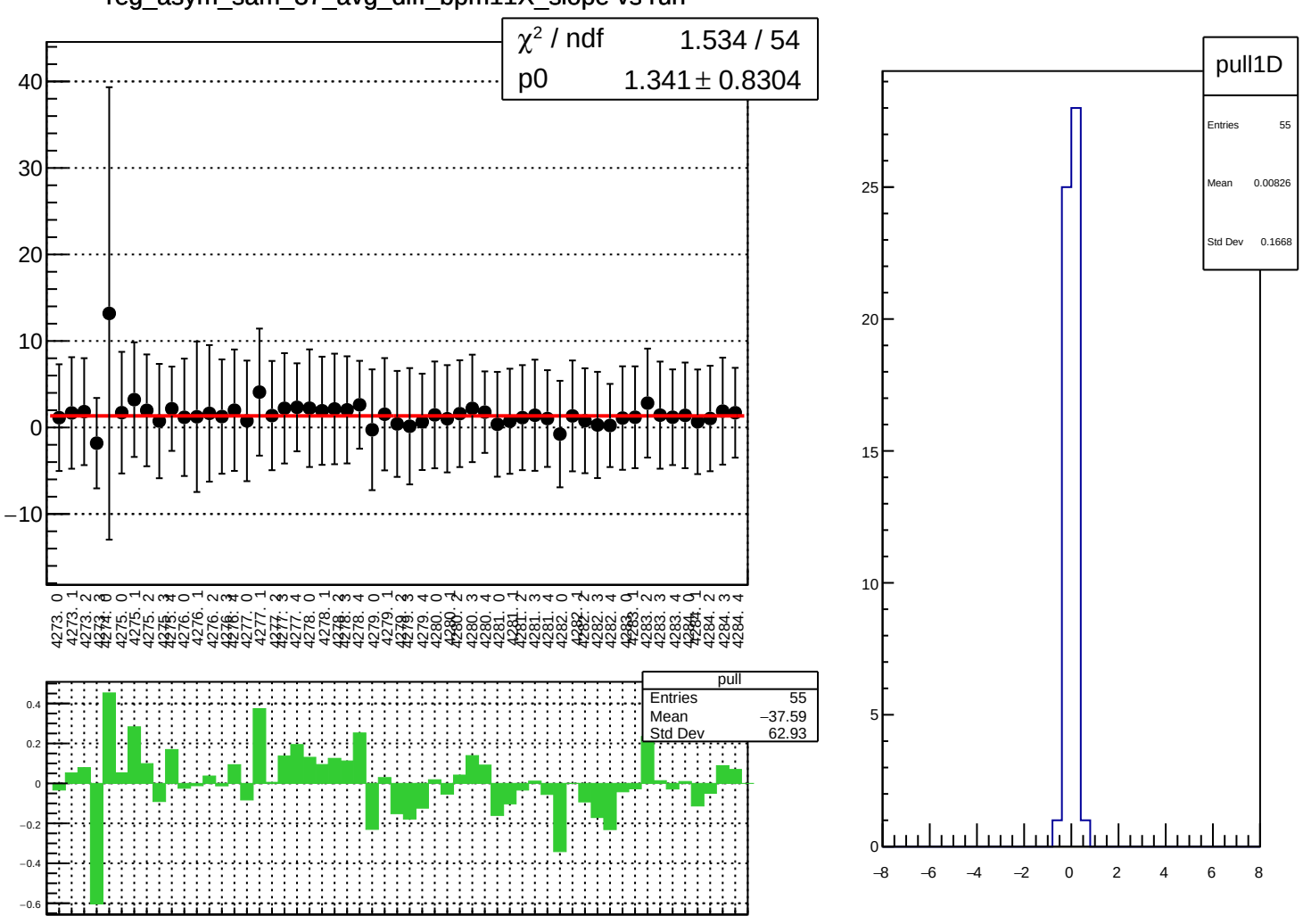

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 6.076 / 54
p0 8.819 ± 0.3903
pull
Entries 55
Mean −389.1
Std Dev 417.6
pull1D
Entries 55
Mean 0.006423
Std Dev 0.3323

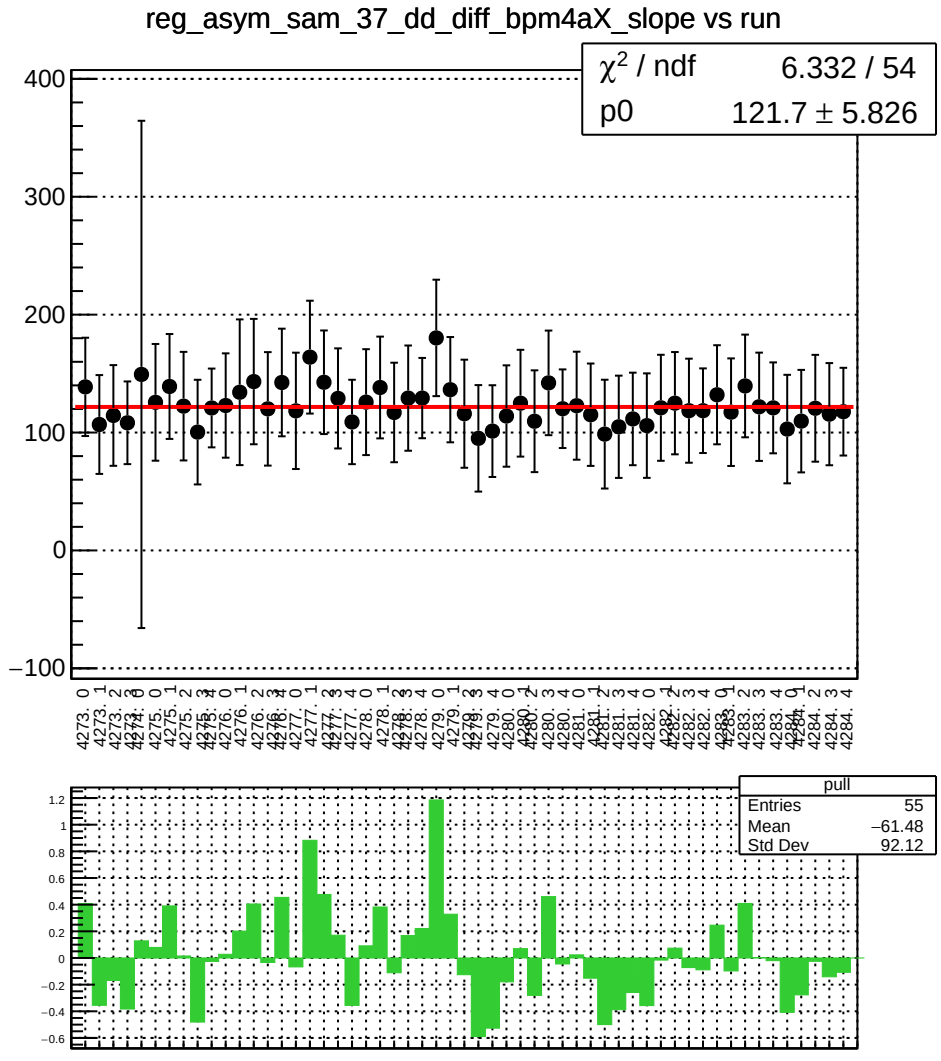

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.785 / 54
p0 120.2 ± 4.027
pull
Entries 55
Mean −35.84
Std Dev 66.46
pull1D
Entries 55
Mean 0.01247
Std Dev 0.376

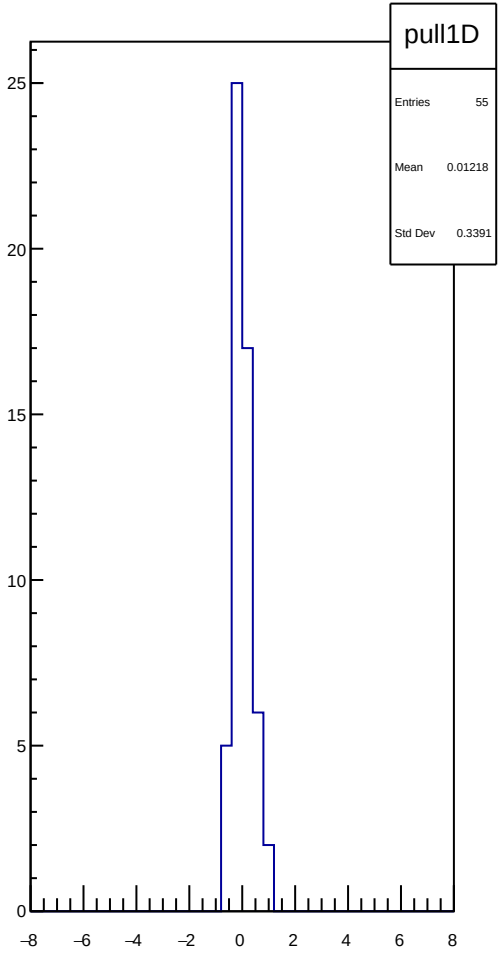

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.808 / 54
p0 21.98 ± 2.817
pull
Entries 55
Mean 3.768
Std Dev 48.55
pull1D
Entries 55
Mean −0.006044
Std Dev 0.3518

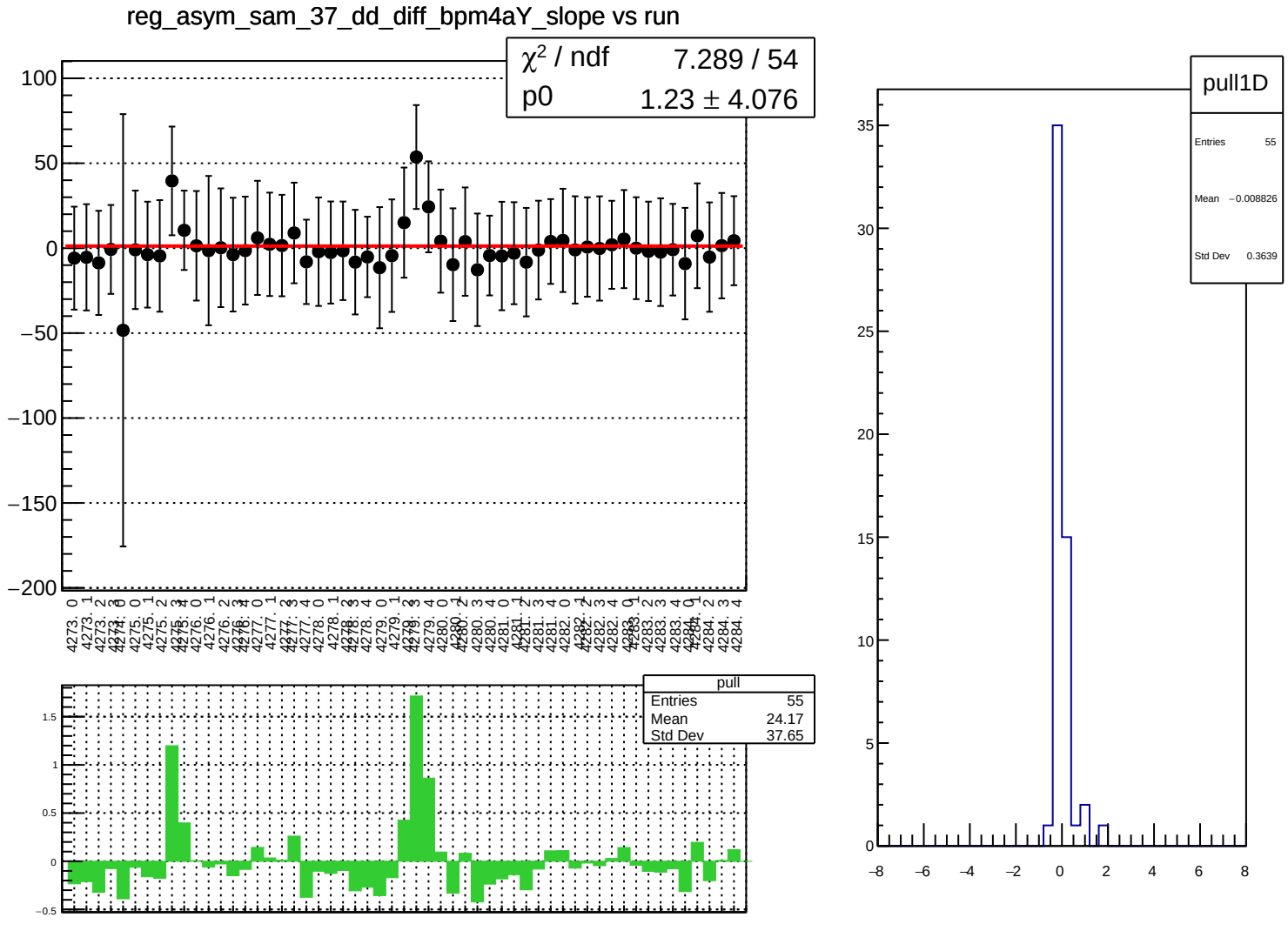

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 176.4 / 54
p0 −421.7 ± 0.6972
pull
Entries 55
Mean 52.09
Std Dev 47.48
pull1D
Entries 55
Mean −0.1483
Std Dev 1.363

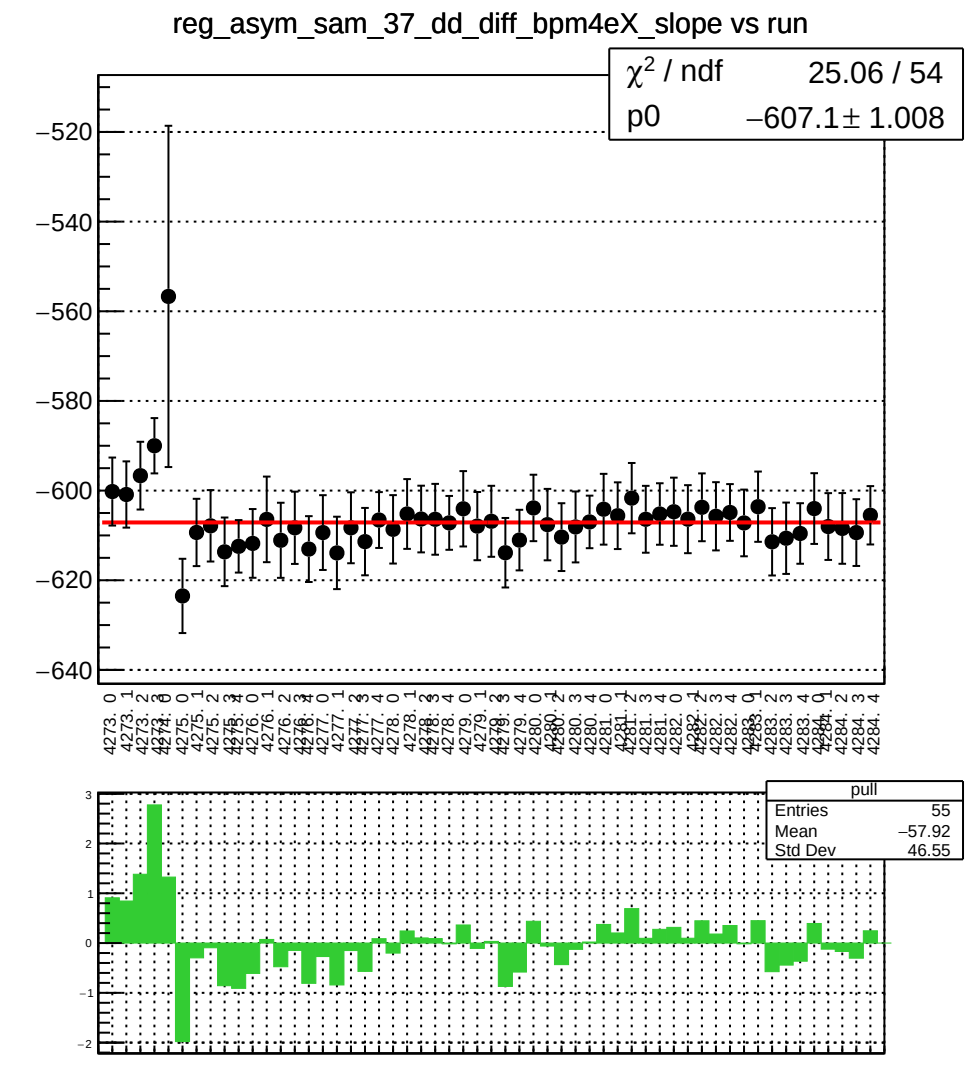

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.83 / 54
p0 −30.42 ± 4.817
pull
Entries 55
Mean 40.75
Std Dev 41.68
pull1D
Entries 55
Mean 0.007535
Std Dev 0.3523

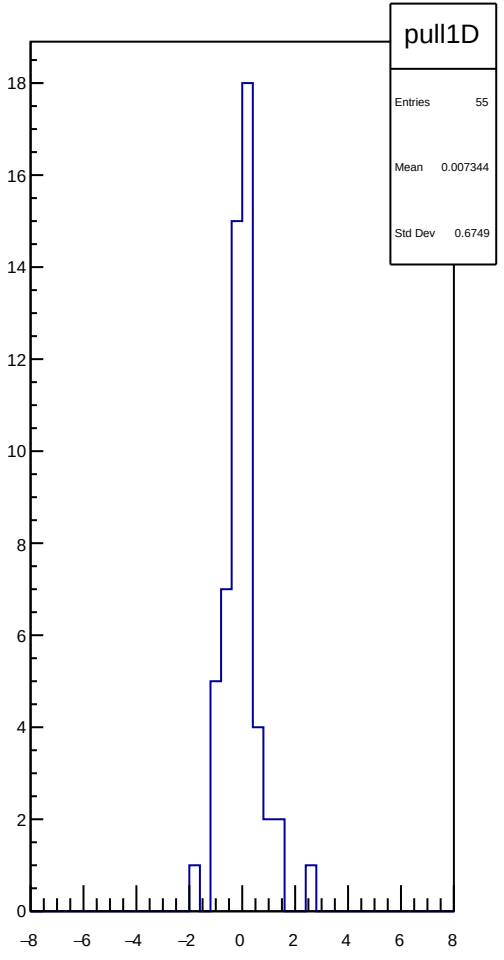

reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 1.534 / 54
p0 1.341 ± 0.8304
pull
Entries 55
Mean −37.59
Std Dev 62.93
pull1D
Entries 55
Mean 0.00826
Std Dev 0.1668

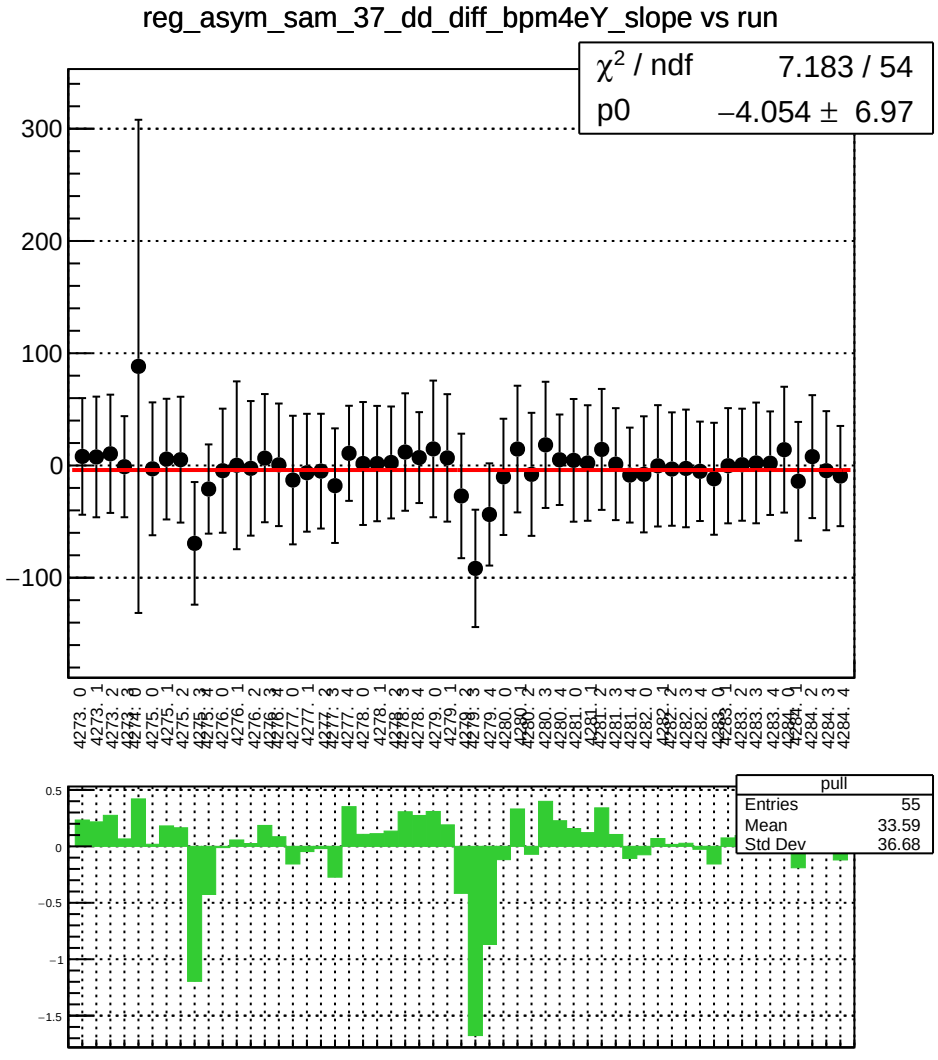

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 6.332 / 54
p0 121.7 ± 5.826
pull
Entries 55
Mean −61.48
Std Dev 92.12

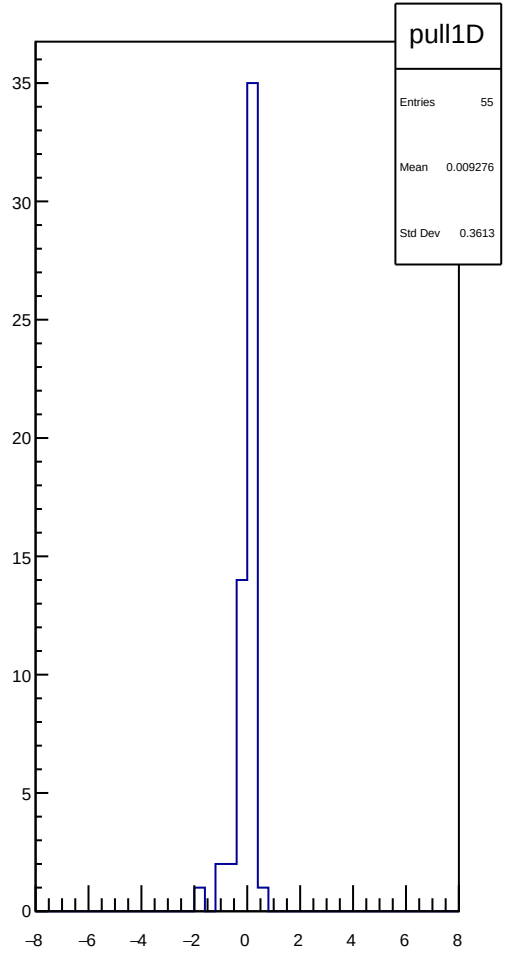

pull1D
Entries 55
Mean 0.01218
Std Dev 0.3391

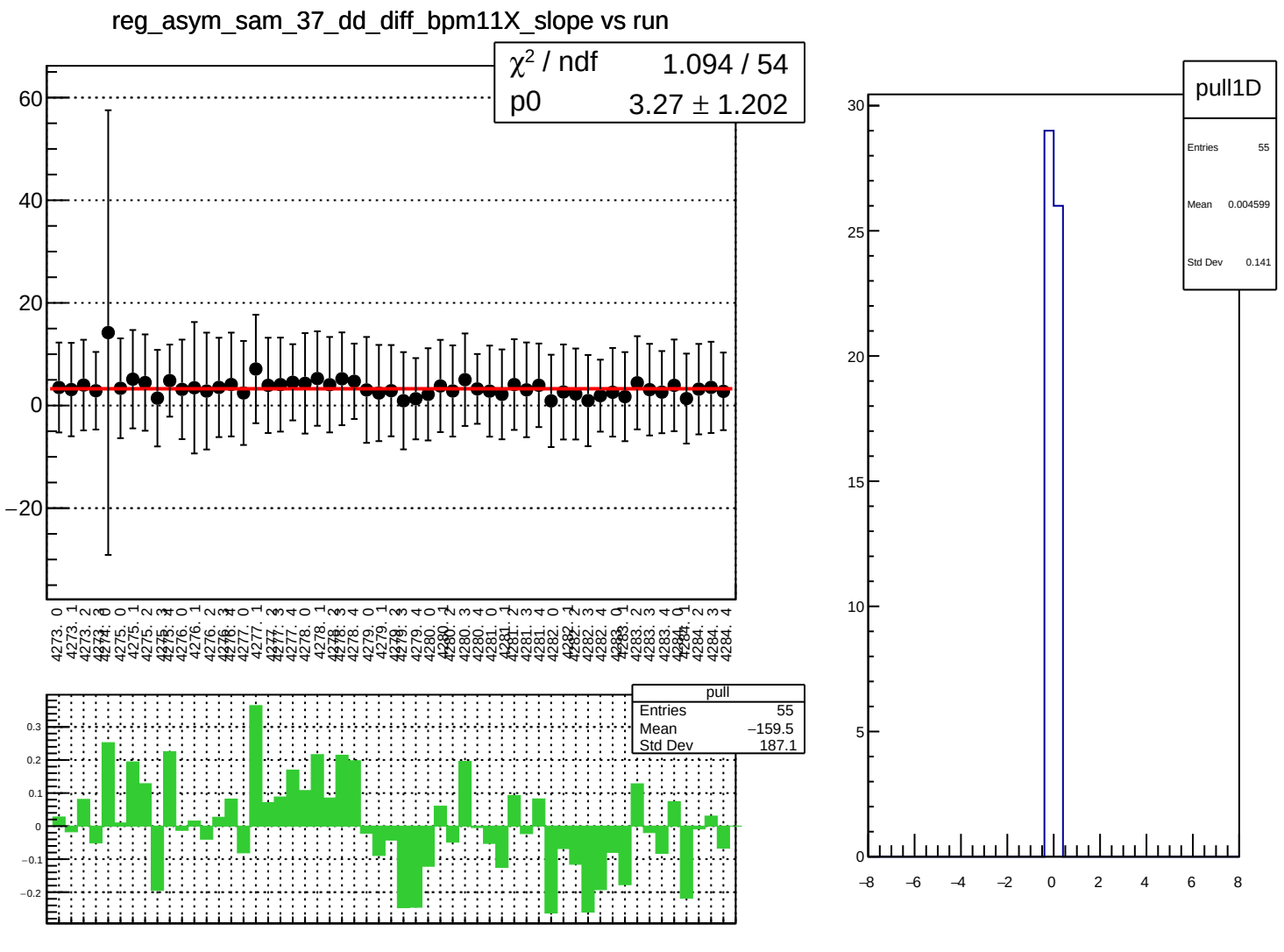

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.289 / 54
p0 1.23 ± 4.076
pull
Entries 55
Mean 24.17
Std Dev 37.65
pull1D
Entries 55
Mean −0.008826
Std Dev 0.3639

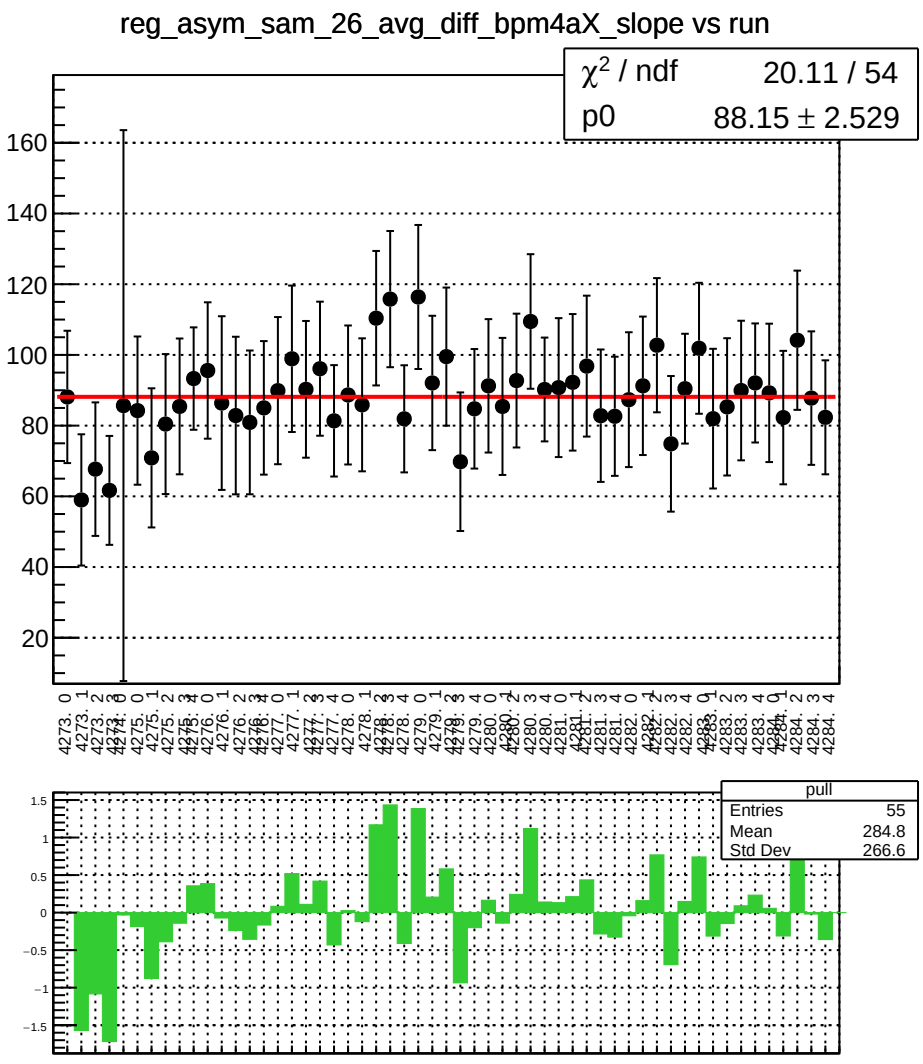

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.06 / 54
p0 −607.1± 1.008
pull
Entries 55
Mean −57.92
Std Dev 46.55

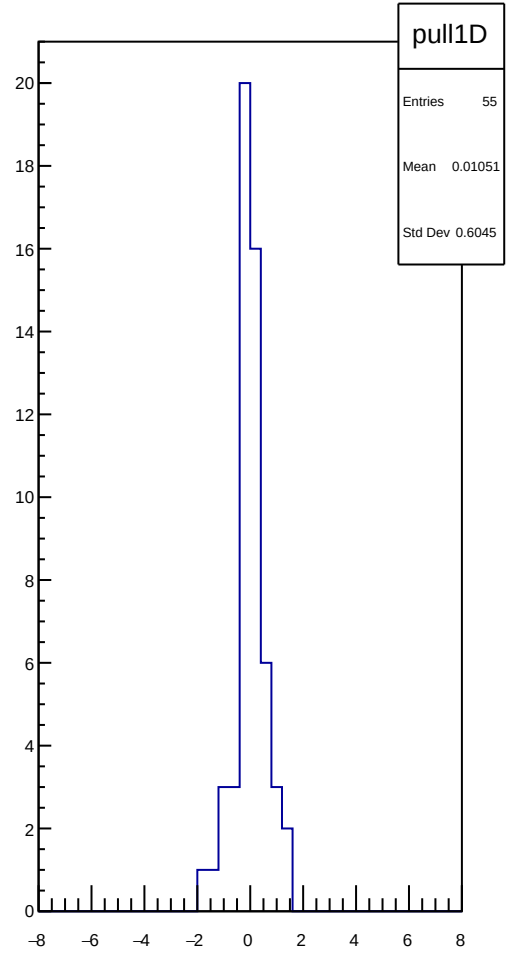

pull1D
Entries 55
Mean 0.007344
Std Dev 0.6749

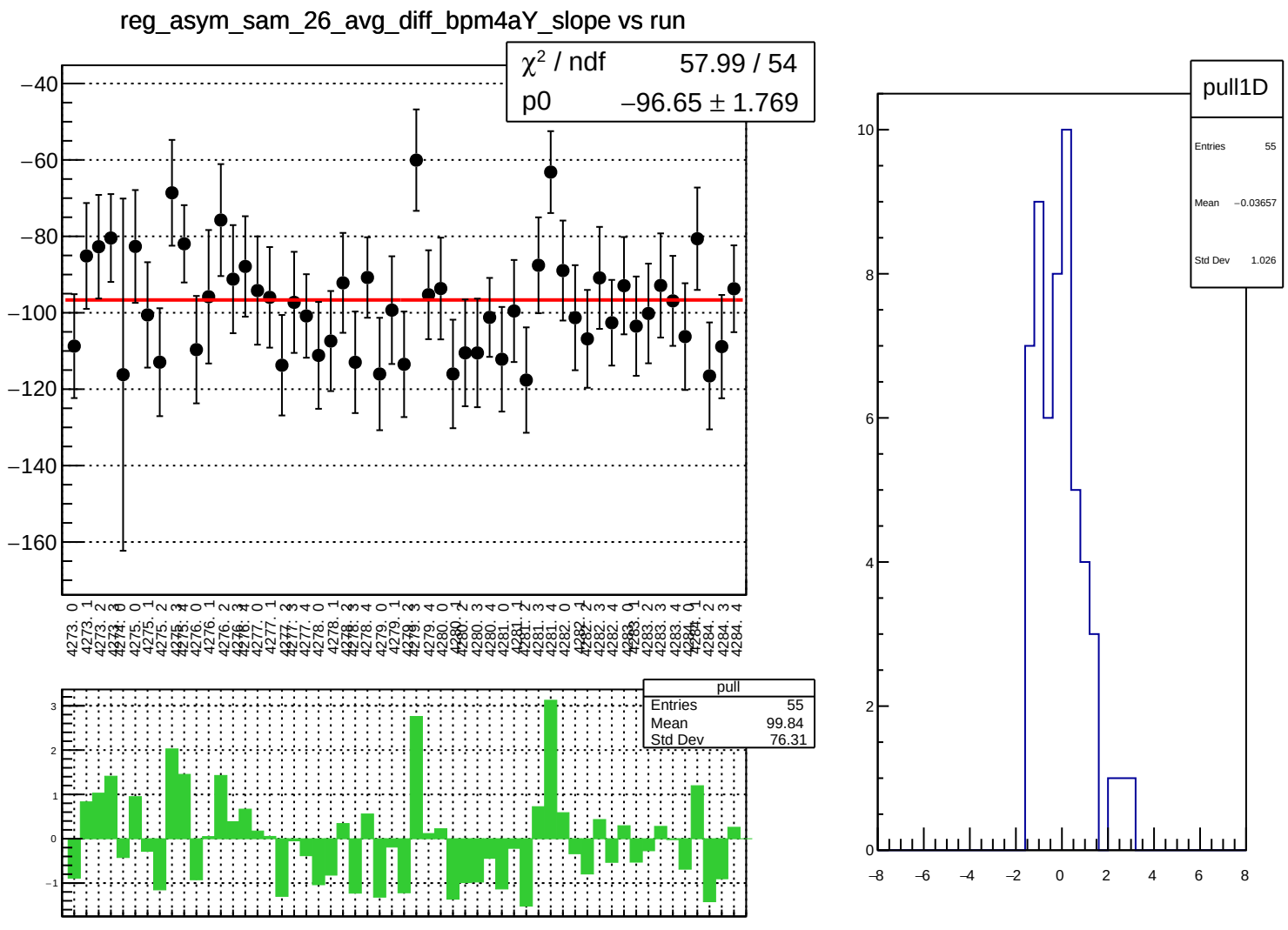

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.183 / 54
p0 −4.054 ± 6.97
300
200
100
0
−100
pull
Entries 55
Mean 33.59
Std Dev 36.68
0.5
0
−0.5
−1
−1.5

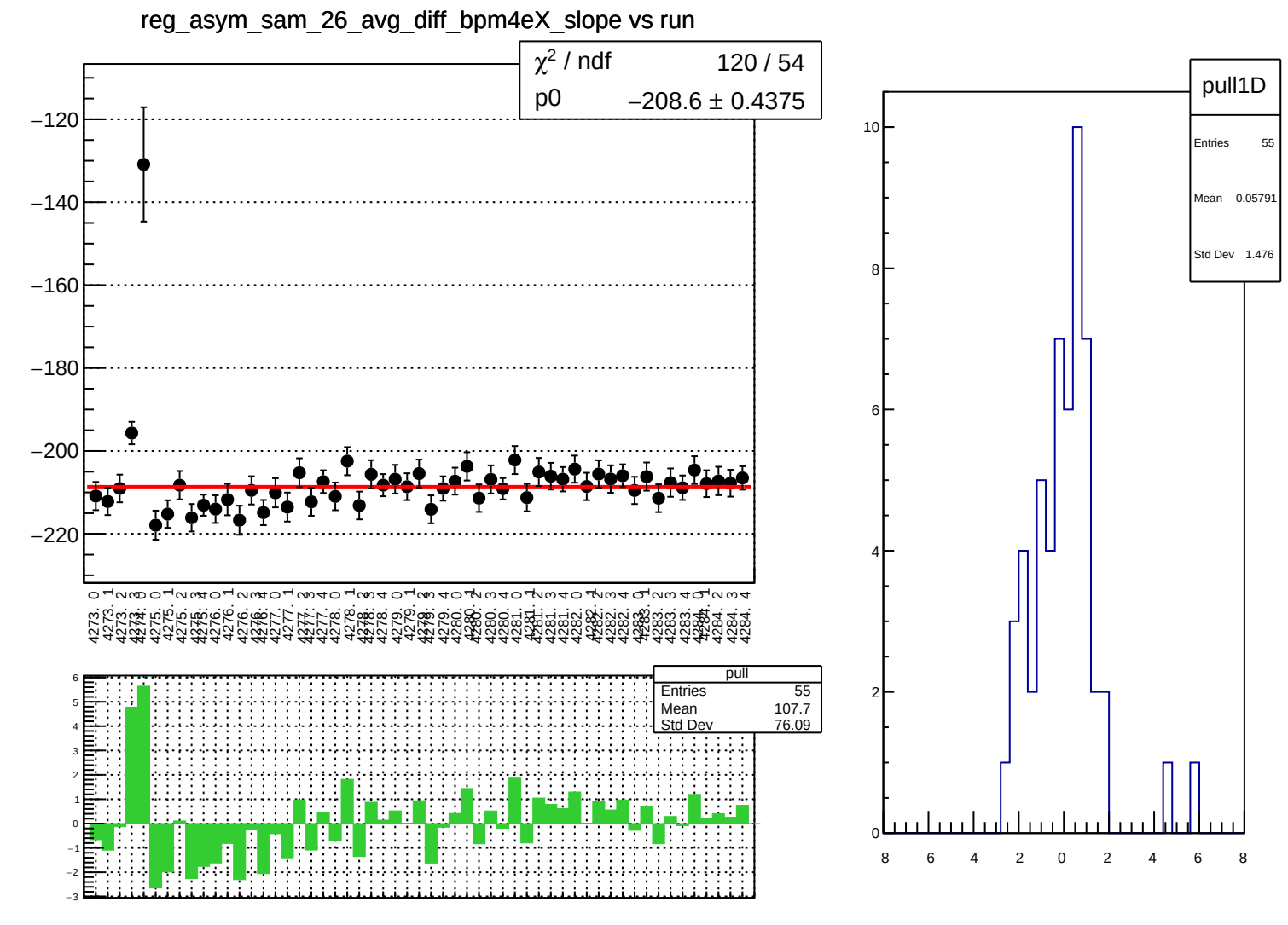

pull1D
Entries 55
Mean 0.009276
Std Dev 0.3613
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

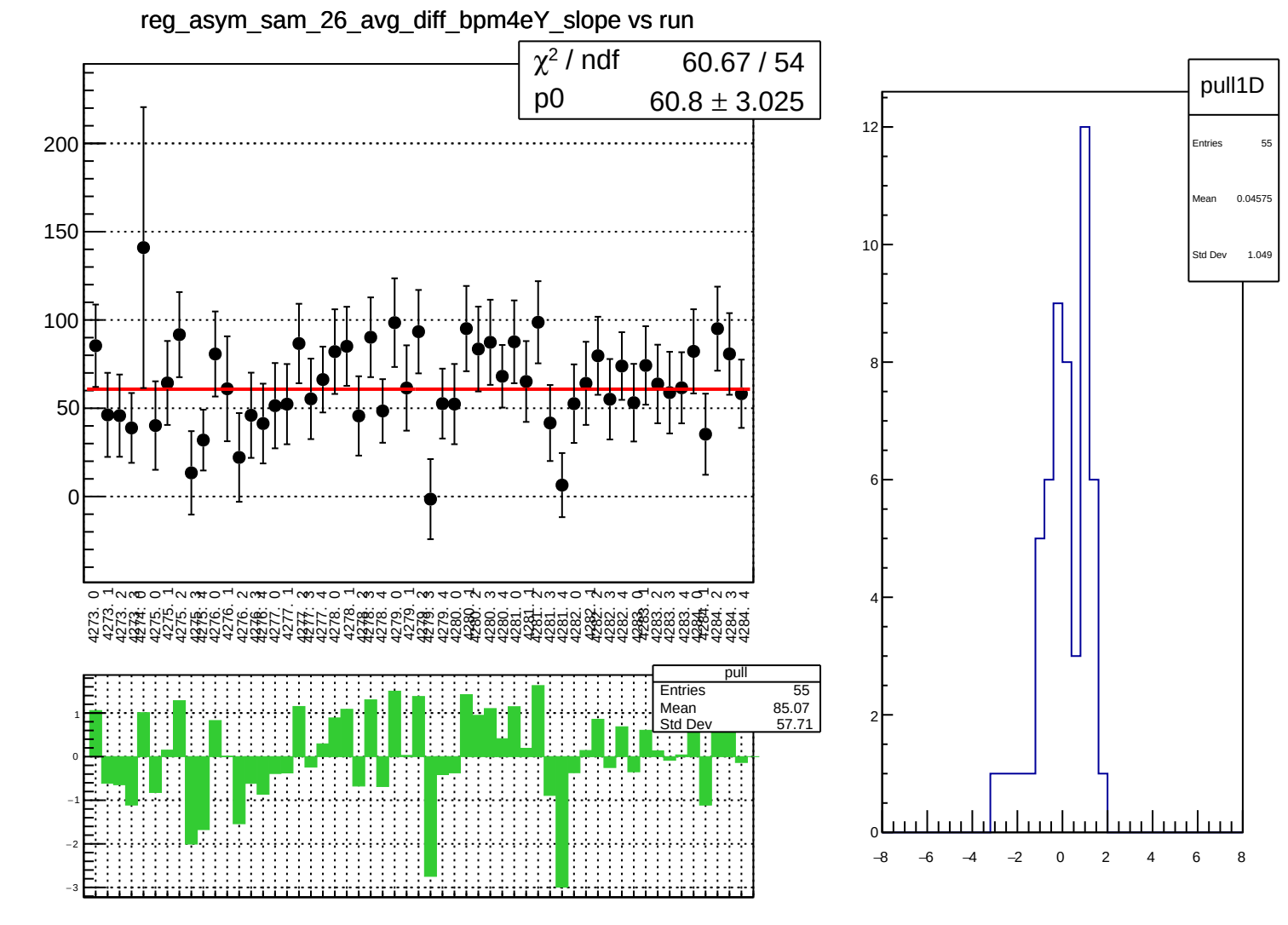

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 1.094 / 54
p0 3.27 ± 1.202
pull
Entries 55
Mean −159.5
Std Dev 187.1
pull1D
Entries 55
Mean 0.004599
Std Dev 0.141

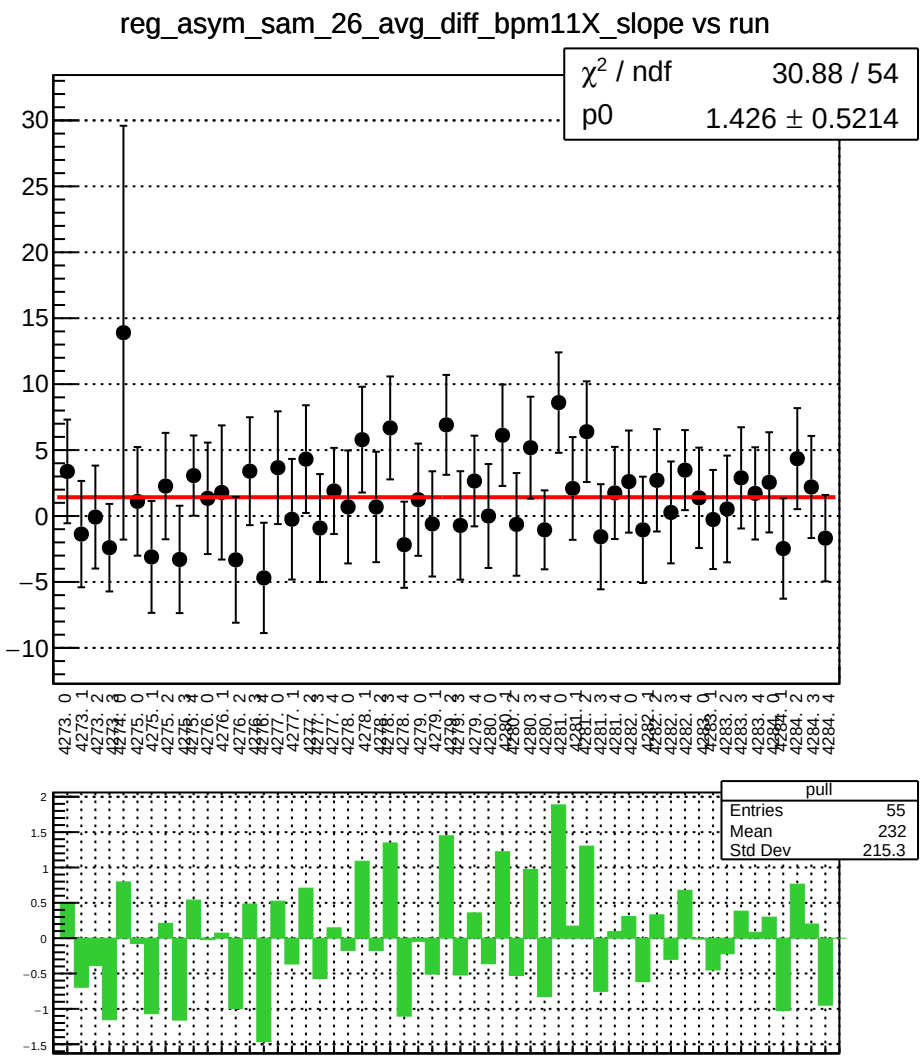

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 20.11 / 54
p0 88.15 ± 2.529
pull
Entries 55
Mean 284.8
Std Dev 266.6

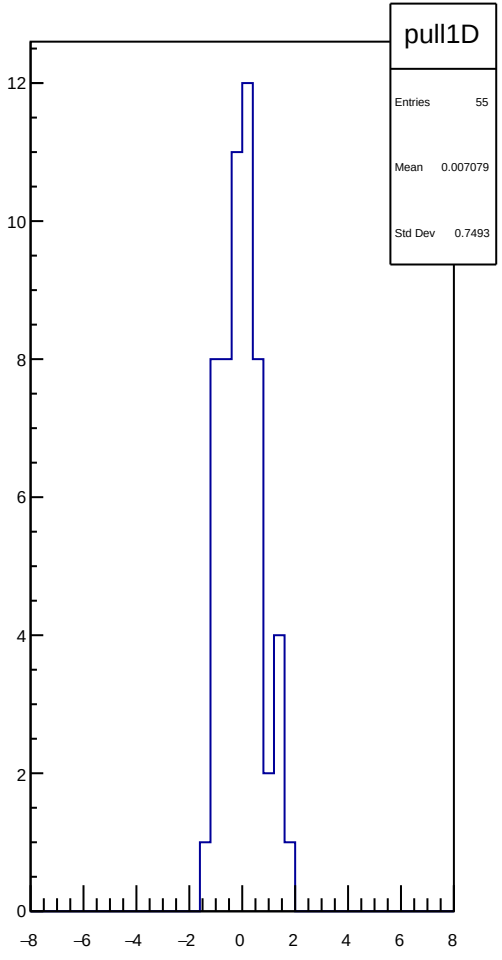

pull1D
Entries 55
Mean 0.01051
Std Dev 0.6045

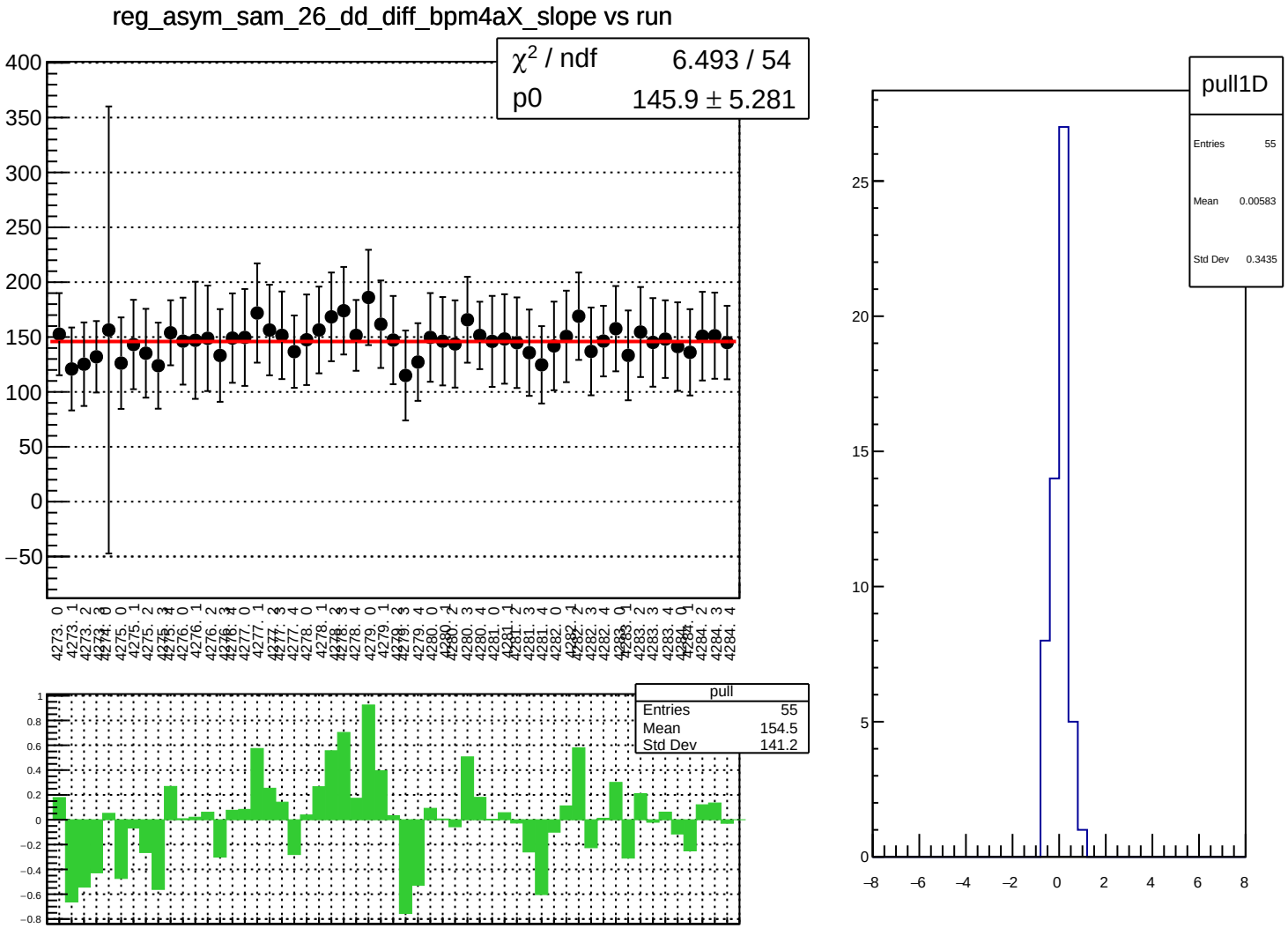

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 57.99 / 54
p0 −96.65 ± 1.769
pull
Entries 55
Mean 99.84
Std Dev 76.31
pull1D
Entries 55
Mean −0.03657
Std Dev 1.026

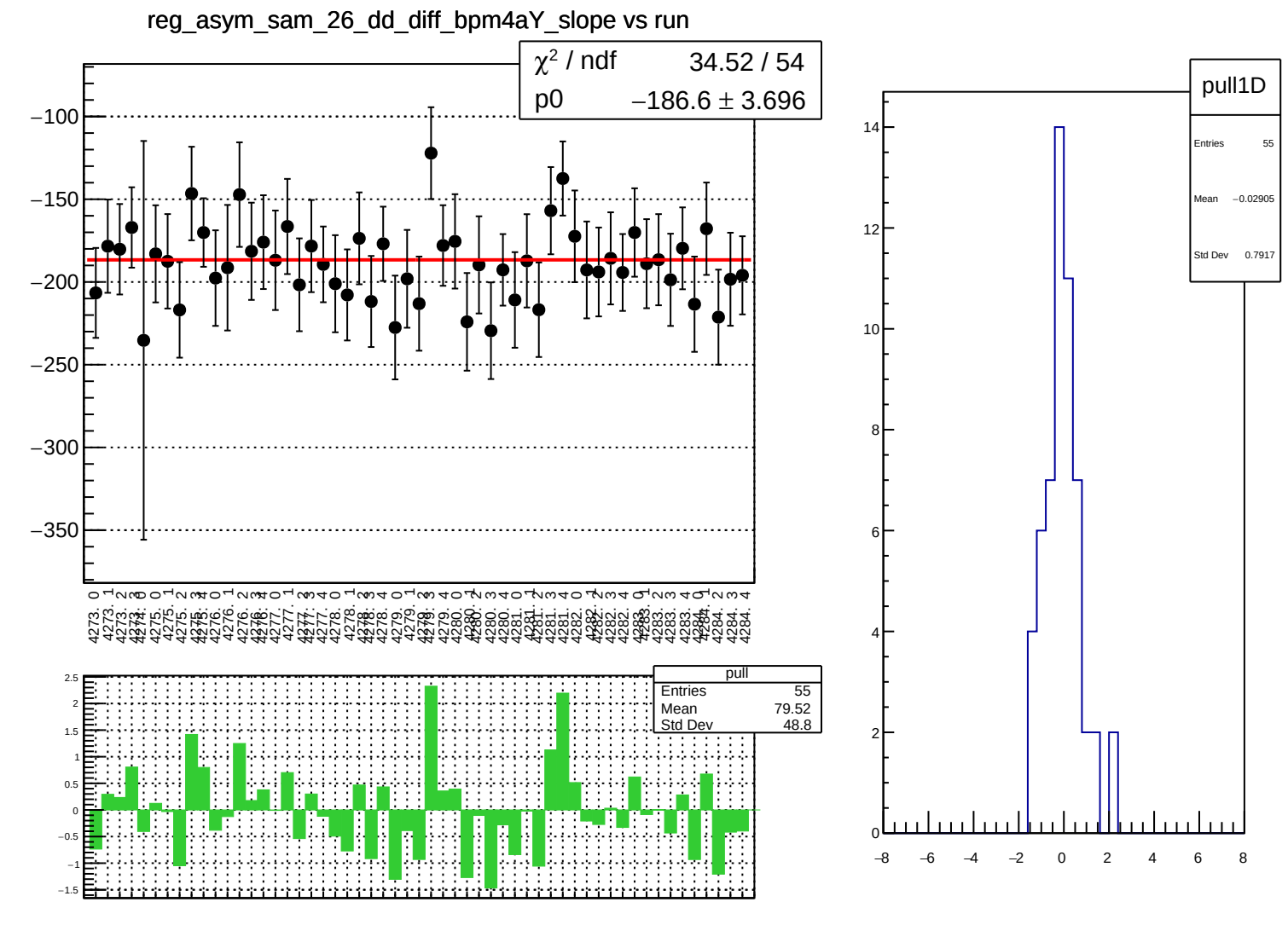

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 120 / 54
p0 −208.6 ± 0.4375
pull
Entries 55
Mean 107.7
Std Dev 76.09
pull1D
Entries 55
Mean 0.05791
Std Dev 1.476

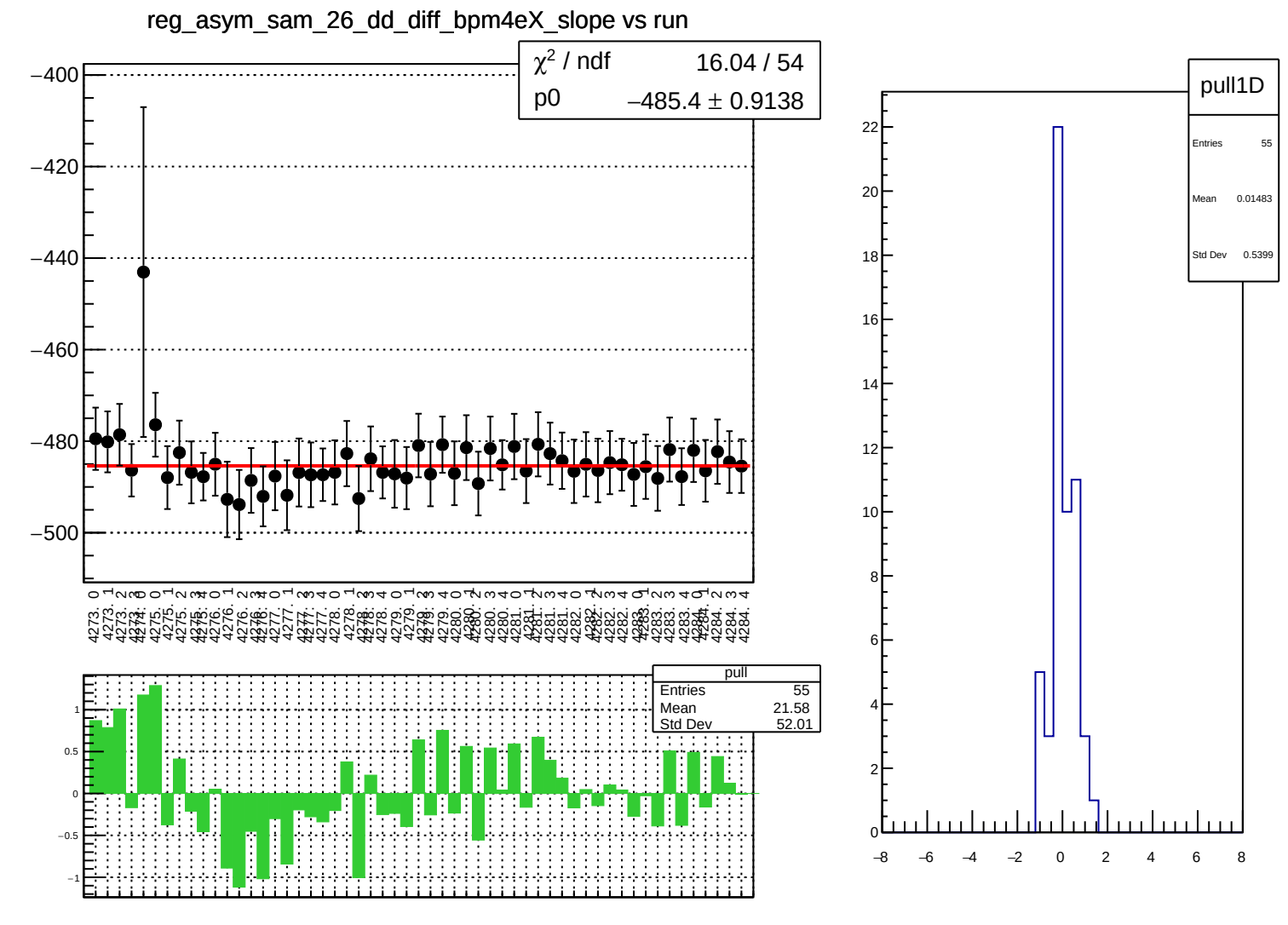

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.67 / 54
p0 60.8 ± 3.025
pull
Entries 55
Mean 85.07
Std Dev 57.71
pull1D
Entries 55
Mean 0.04575
Std Dev 1.049

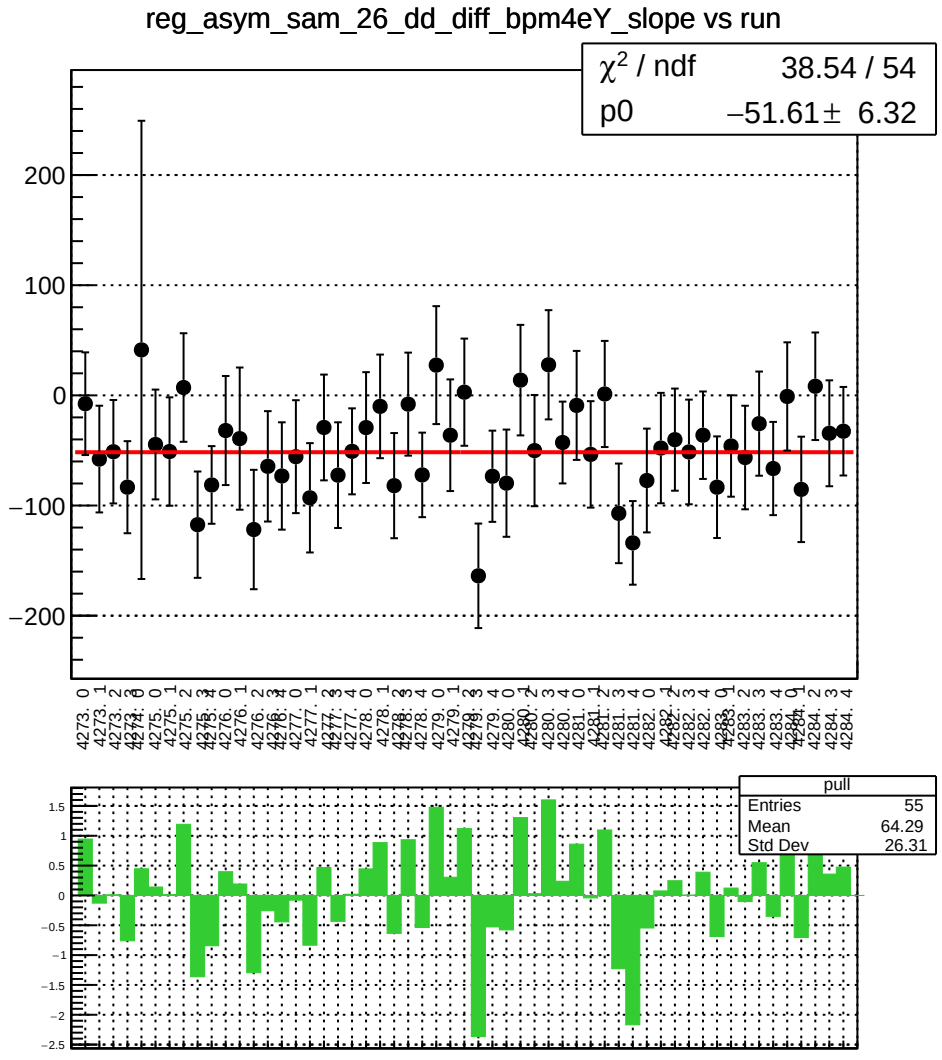

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 30.88 / 54
p0 1.426 ± 0.5214
pull
Entries 55
Mean 232
Std Dev 215.3

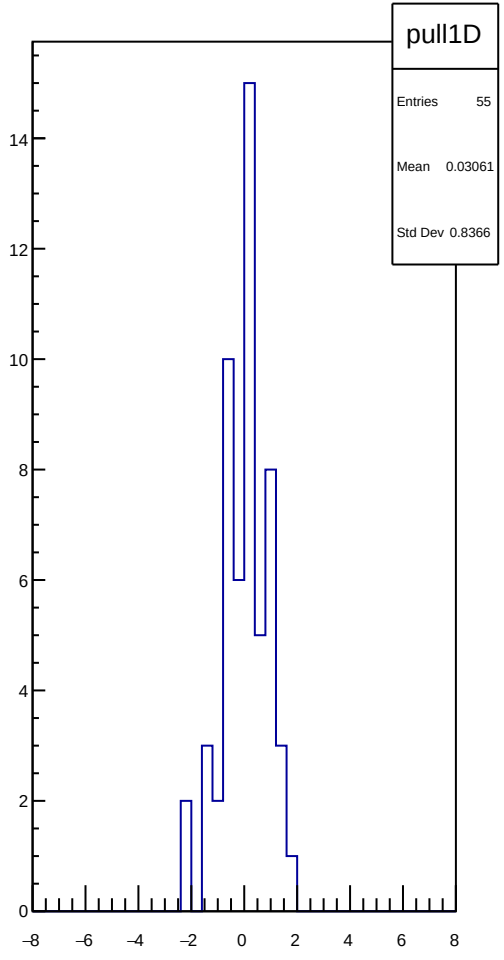

pull1D
Entries 55
Mean 0.007079
Std Dev 0.7493

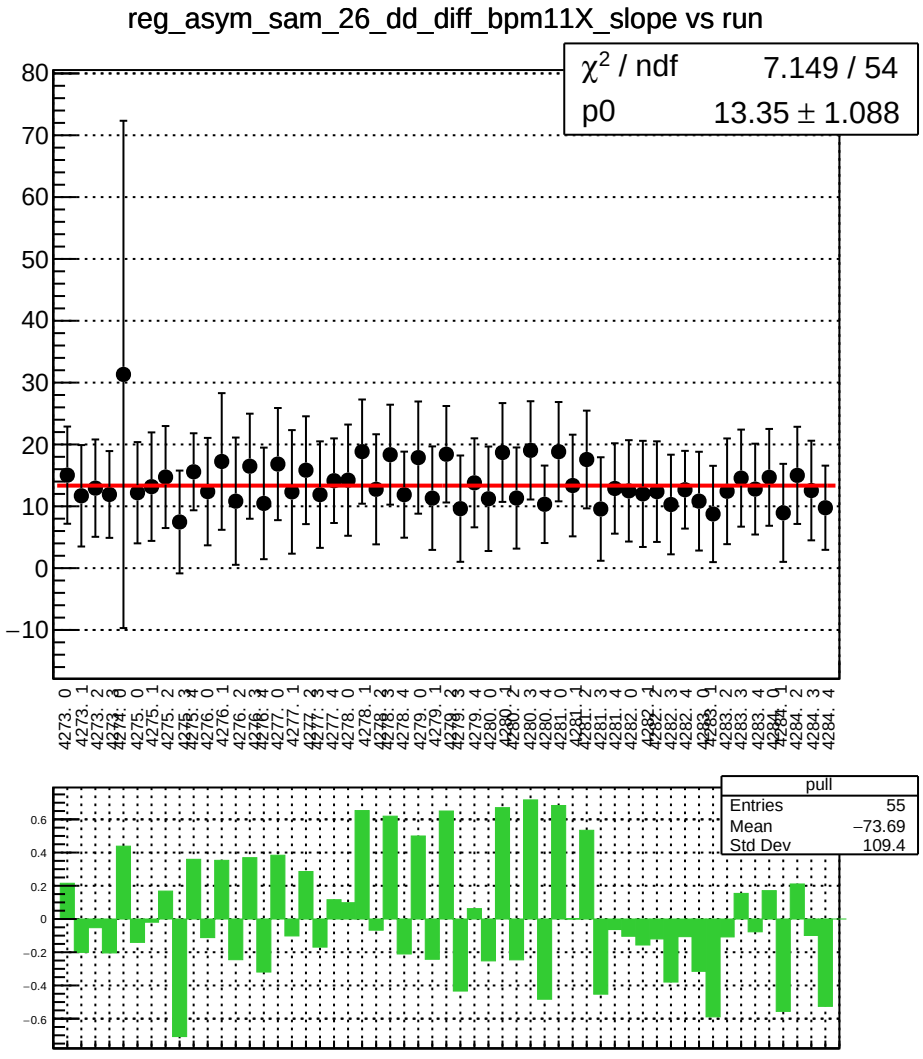

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 6.493 / 54
p0 145.9 ± 5.281
pull
Entries 55
Mean 154.5
Std Dev 141.2
pull1D
Entries 55
Mean 0.00583
Std Dev 0.3435

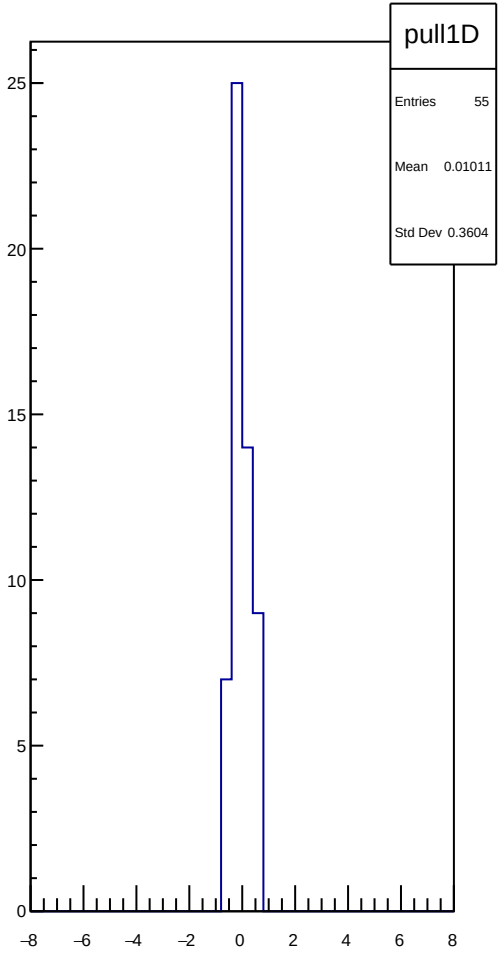

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.52 / 54
p0 −186.6 ± 3.696
pull
Entries 55
Mean 79.52
Std Dev 48.8
pull1D
Entries 55
Mean −0.02905
Std Dev 0.7917

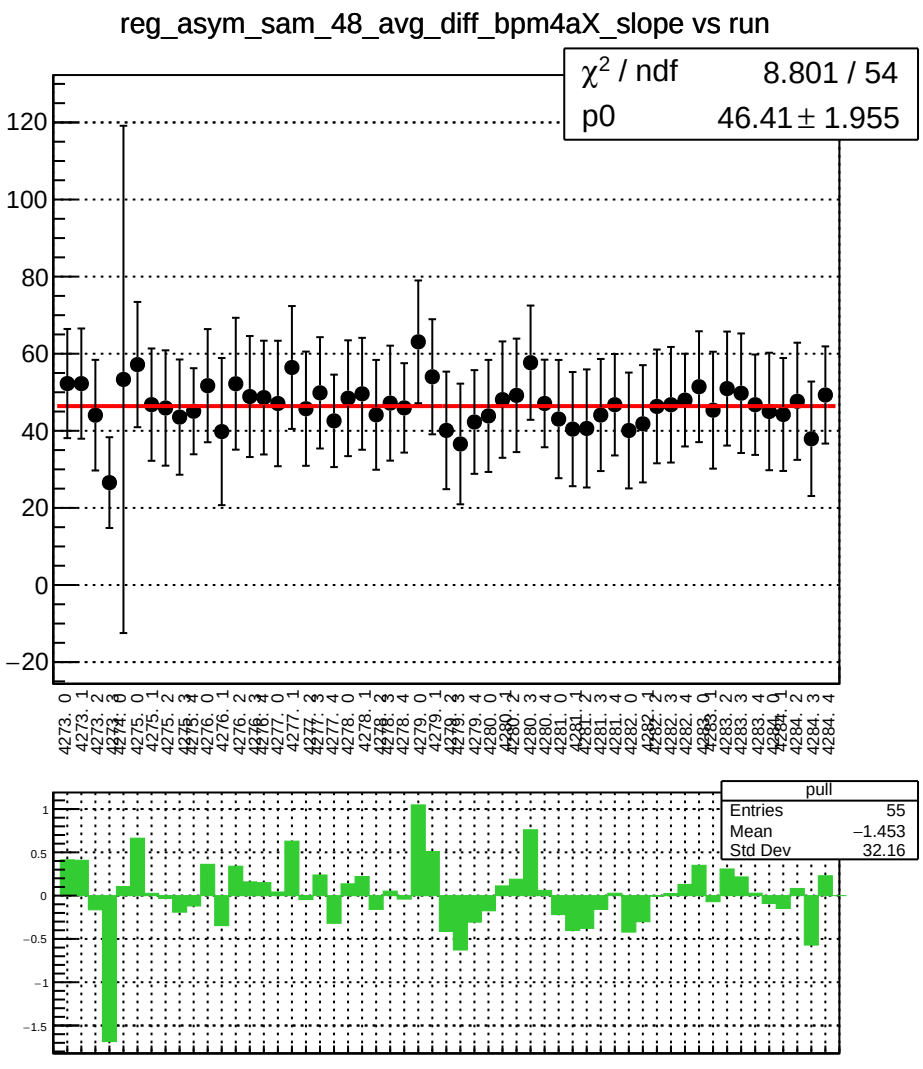

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.04 / 54
p0 −485.4 ± 0.9138
pull
Entries 55
Mean 21.58
Std Dev 52.01
pull1D
Entries 55
Mean 0.01483
Std Dev 0.5399

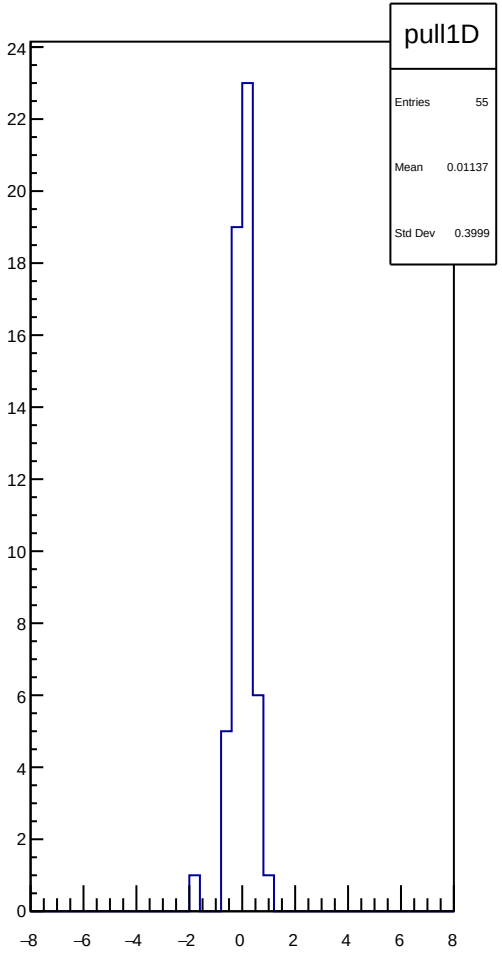

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.54 / 54
p0 −51.61 ± 6.32
200
100
0
−100
−200
pull
Entries 55
Mean 64.29
Std Dev 26.31
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

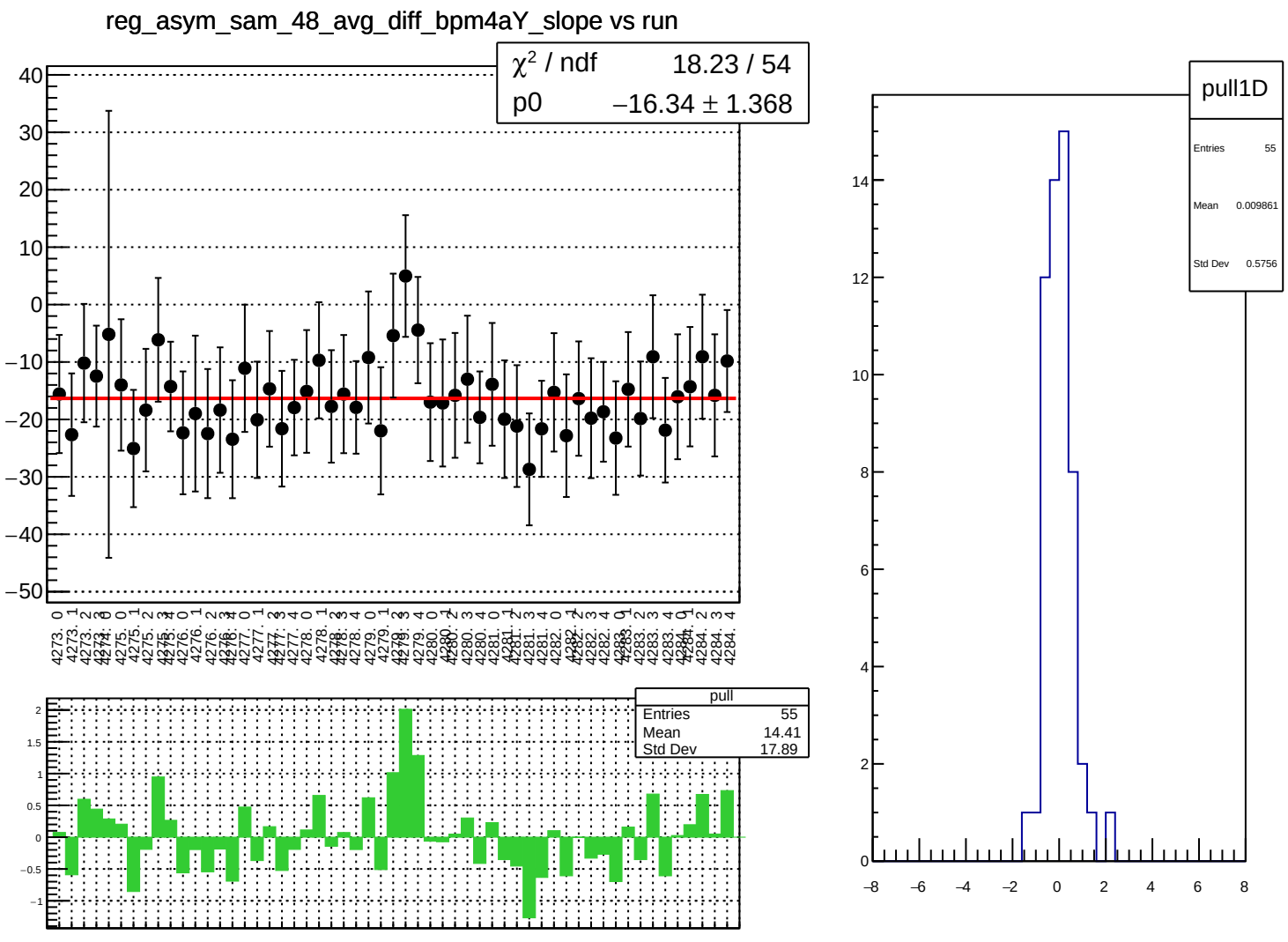

pull1D
Entries 55
Mean 0.03061
Std Dev 0.8366
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

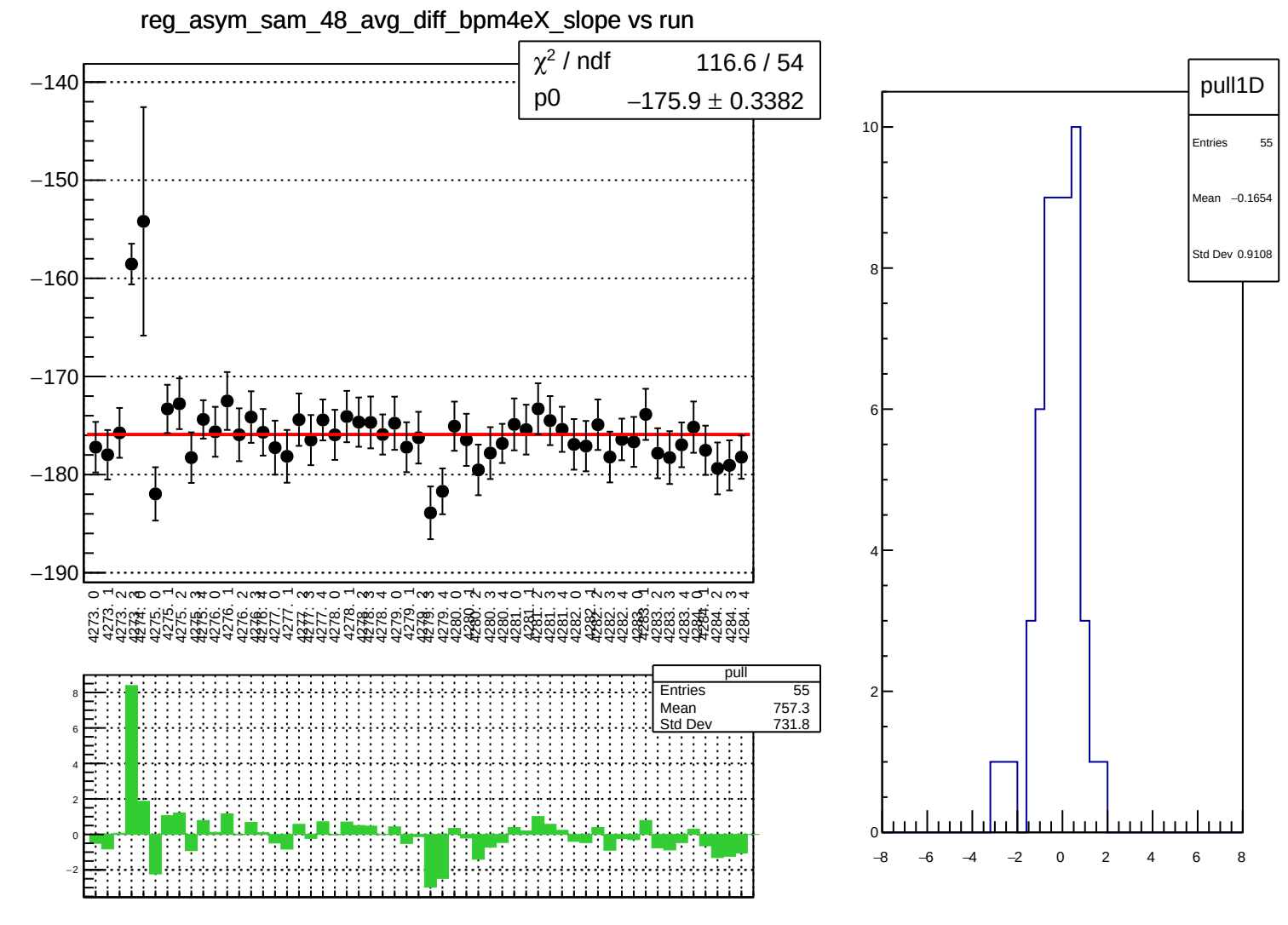

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 7.149 / 54
p0 13.35 ± 1.088
pull
Entries 55
Mean −73.69
Std Dev 109.4

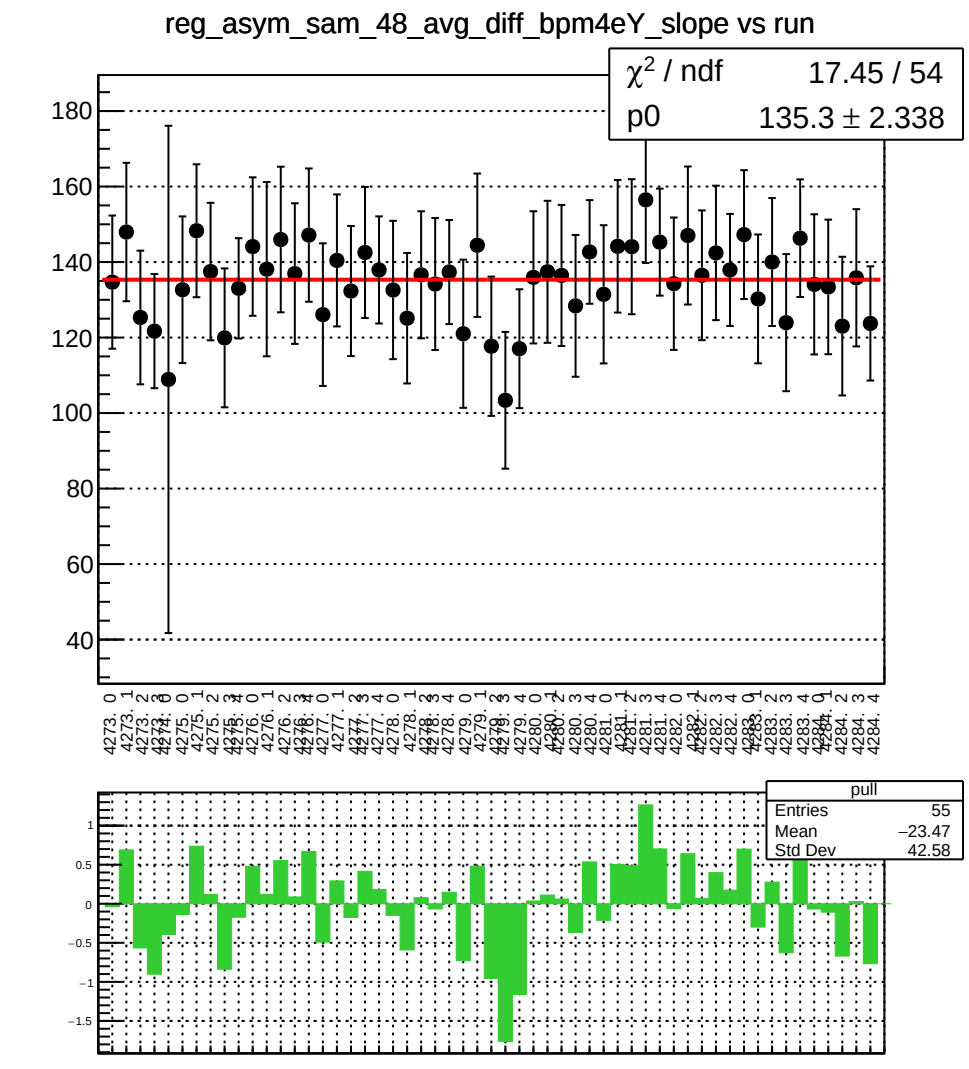

pull1D
Entries 55
Mean 0.01011
Std Dev 0.3604

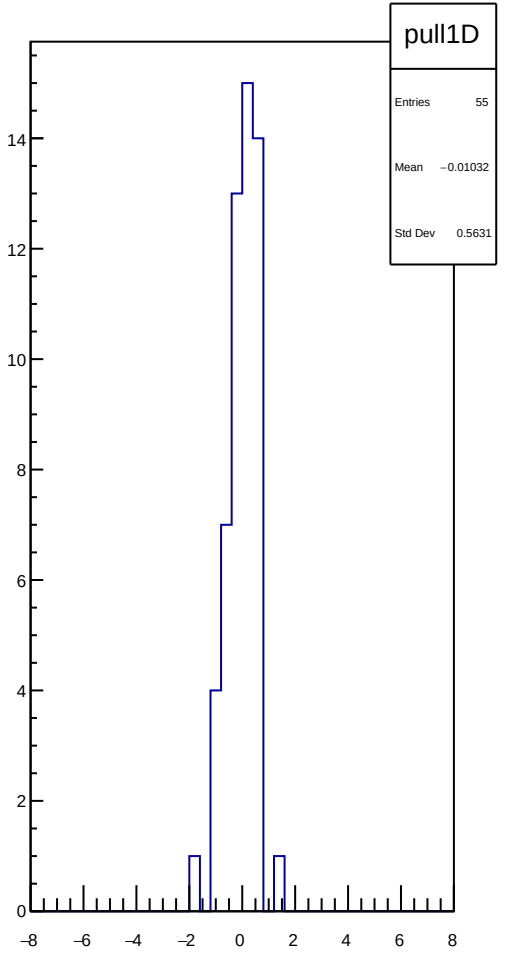

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.801 / 54
p0 46.41 ± 1.955
pull
Entries 55
Mean −1.453
Std Dev 32.16

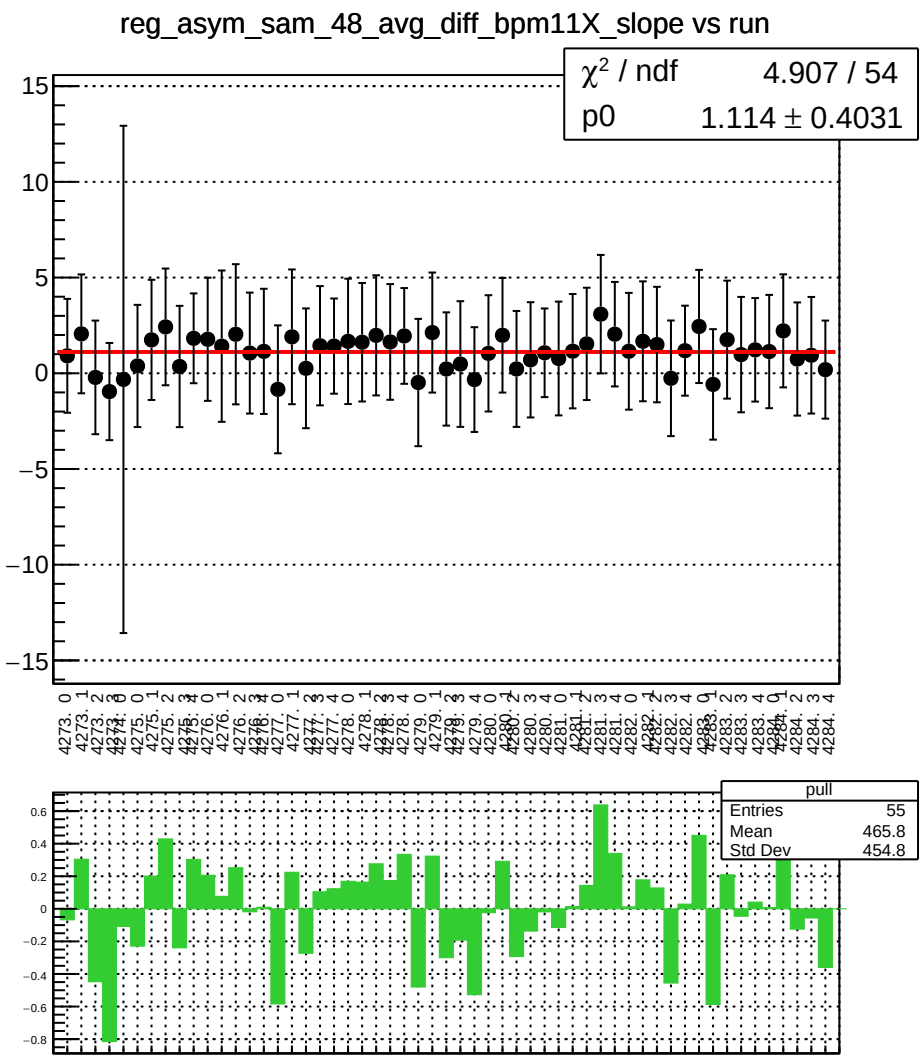

pull1D
Entries 55
Mean 0.01137
Std Dev 0.3999

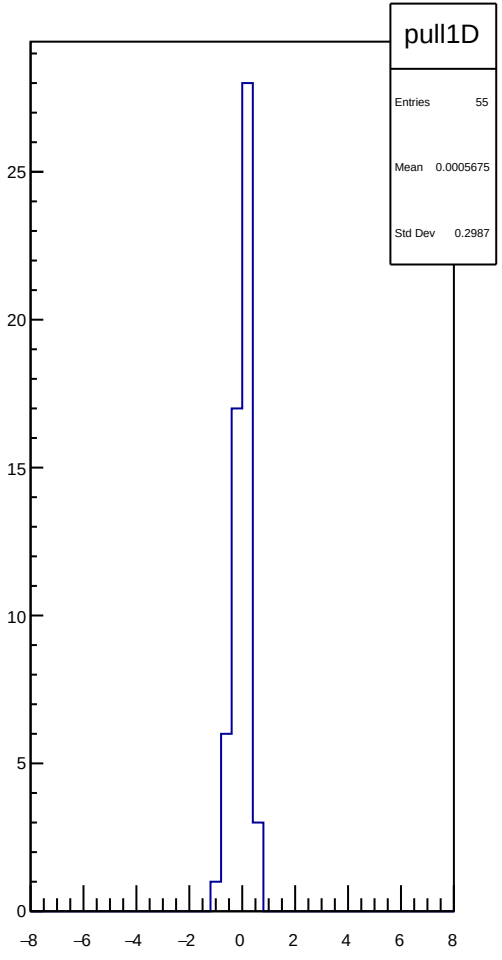

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.23 / 54
p0 −16.34 ± 1.368
pull
Entries 55
Mean 14.41
Std Dev 17.89
pull1D
Entries 55
Mean 0.009861
Std Dev 0.5756

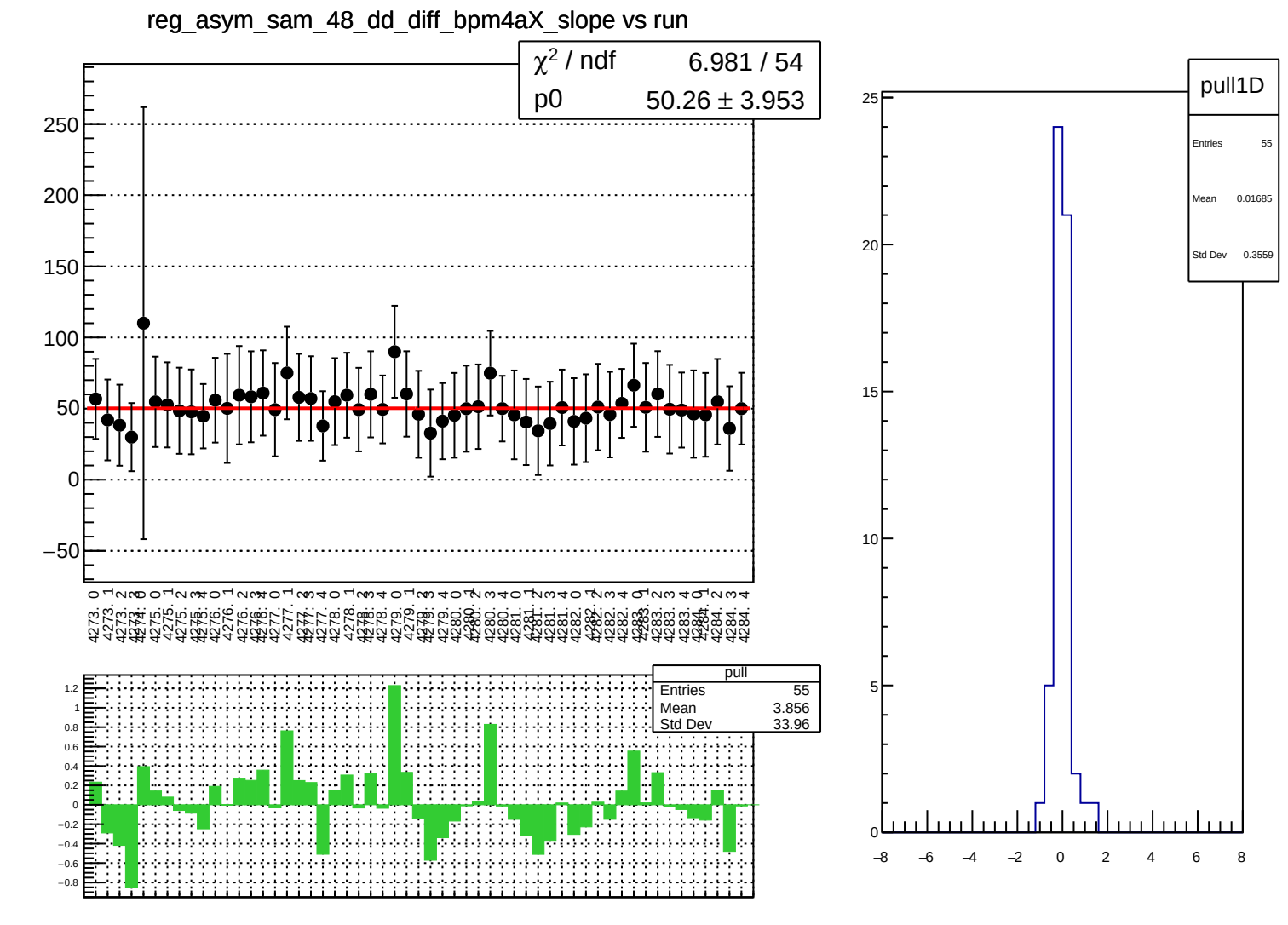

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 116.6 / 54
p0 −175.9 ± 0.3382
pull
Entries 55
Mean 757.3
Std Dev 731.8
pull1D
Entries 55
Mean −0.1654
Std Dev 0.9108

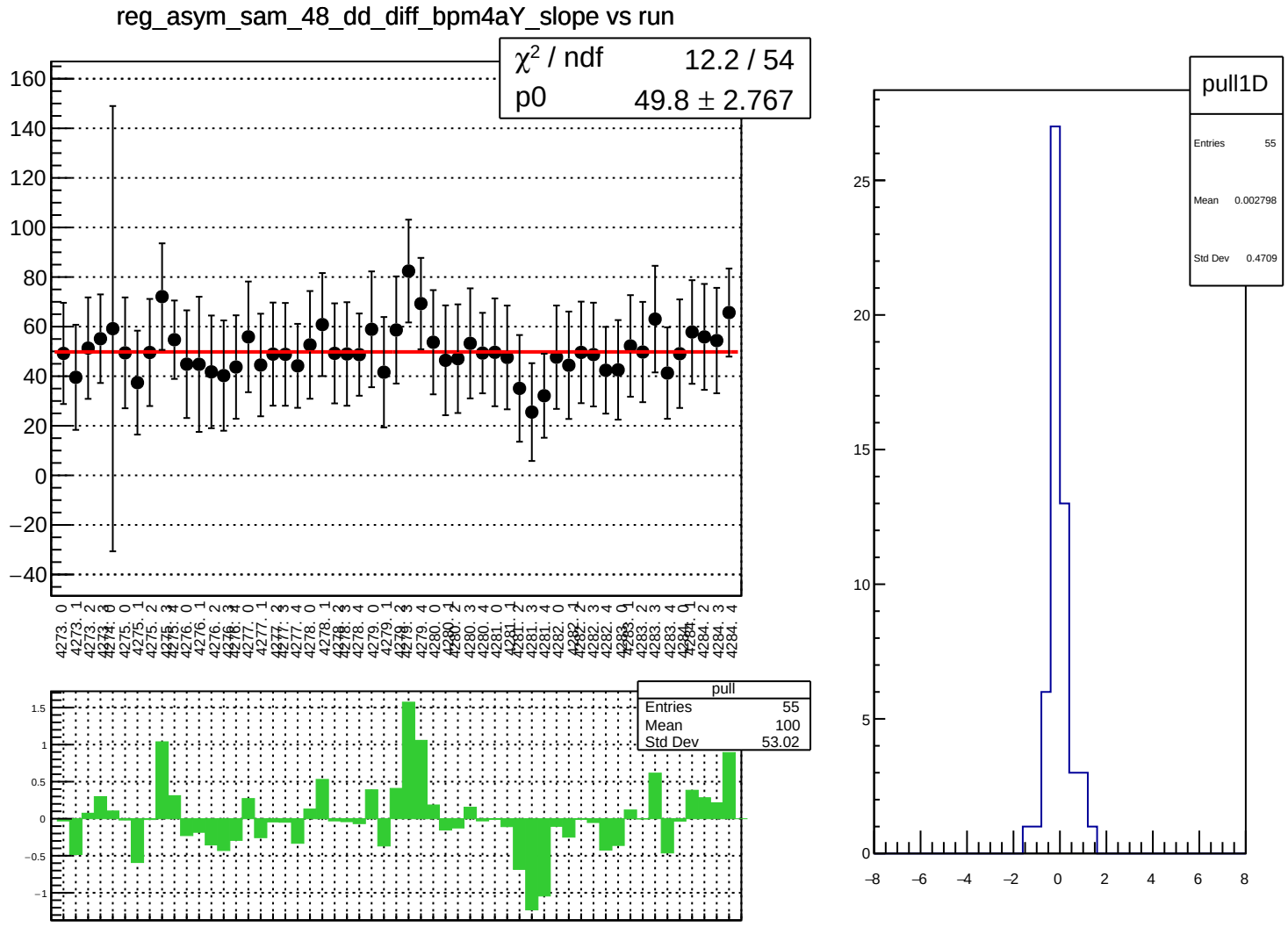

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.45 / 54
p0 135.3 ± 2.338
pull
Entries 55
Mean −23.47
Std Dev 42.58

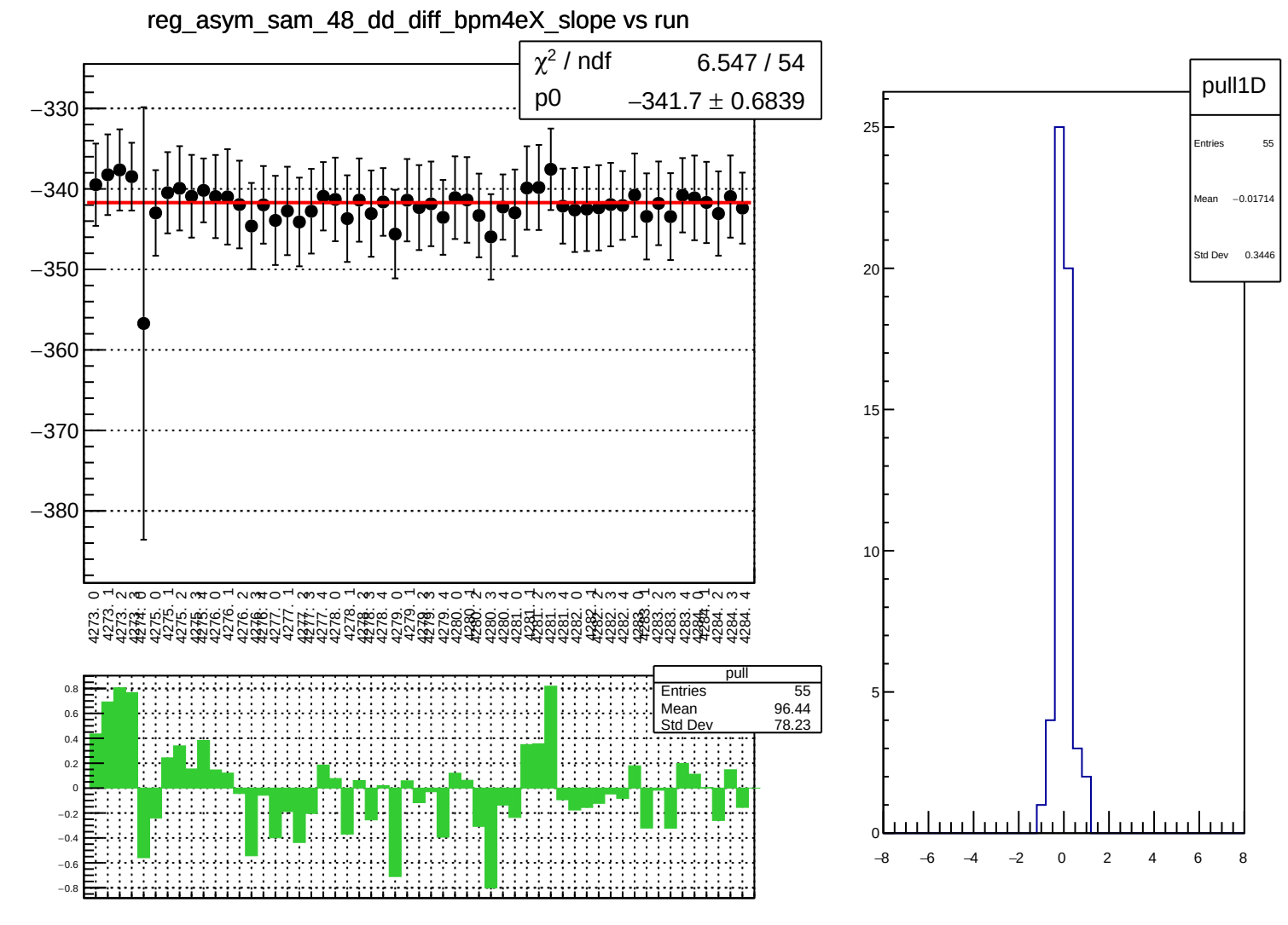

pull1D
Entries 55
Mean −0.01032
Std Dev 0.5631

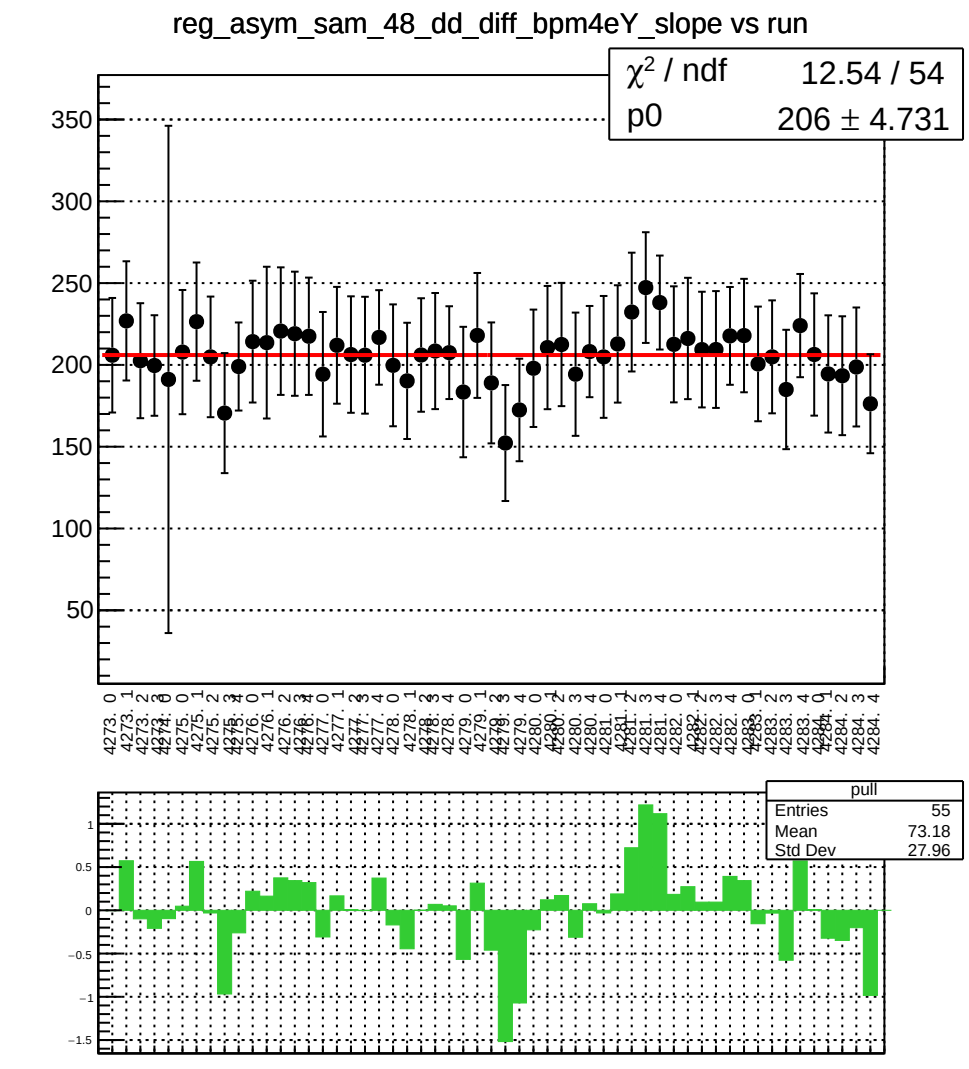

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 4.907 / 54
p0 1.114 ± 0.4031
pull
Entries 55
Mean 465.8
Std Dev 454.8

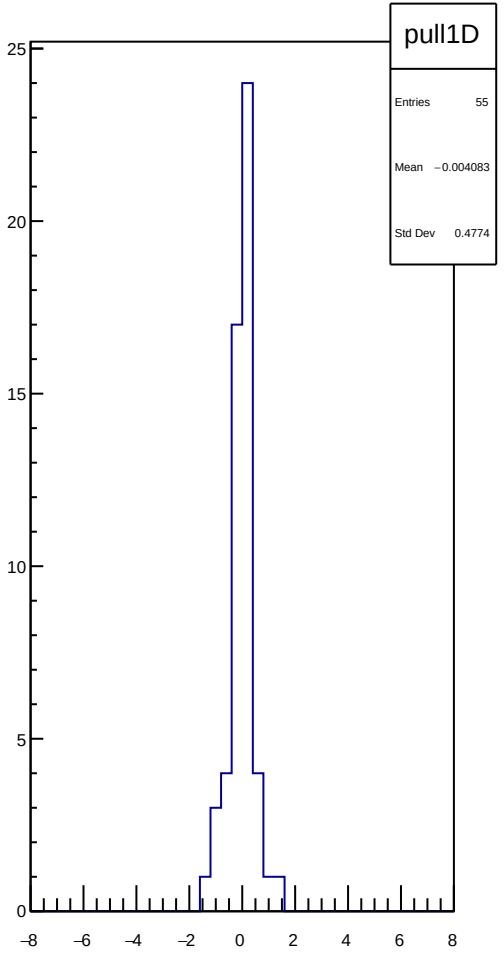

pull1D
Entries 55
Mean 0.0005675
Std Dev 0.2987

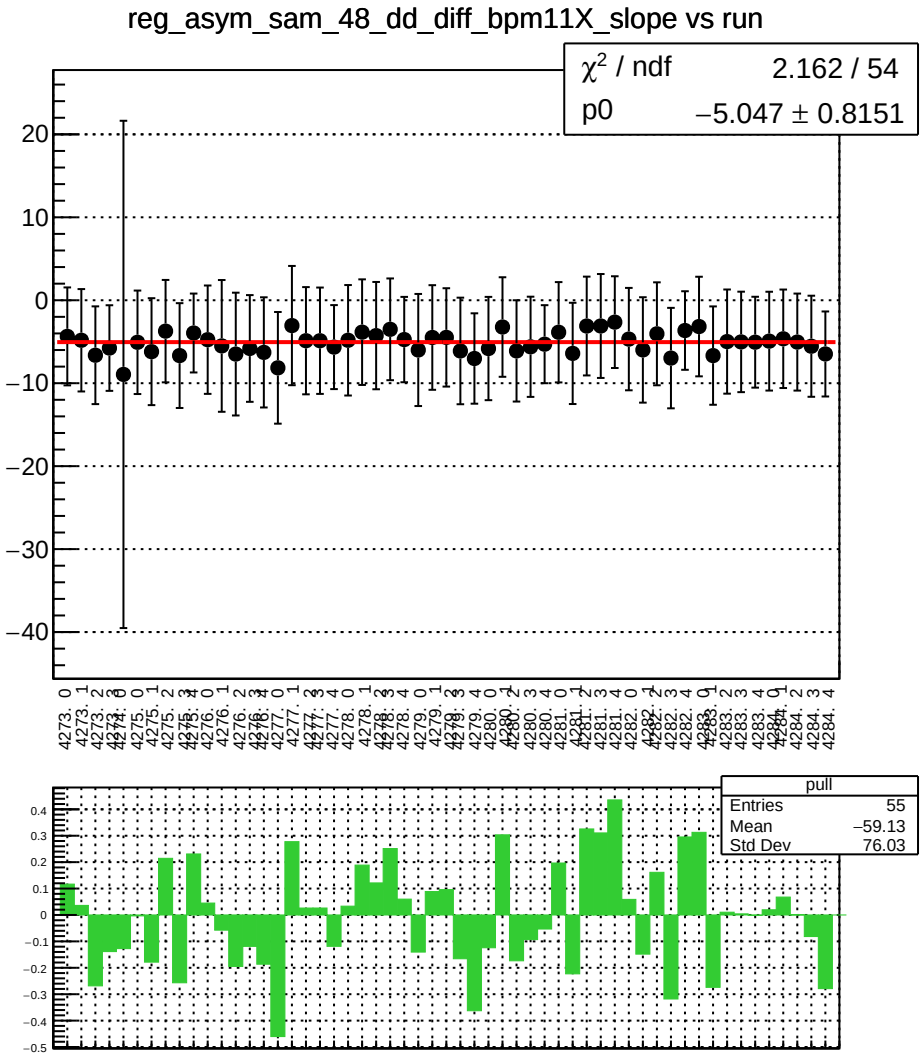

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 6.981 / 54
p0 50.26 ± 3.953
pull
Entries 55
Mean 3.856
Std Dev 33.96
pull1D
Entries 55
Mean 0.01685
Std Dev 0.3559

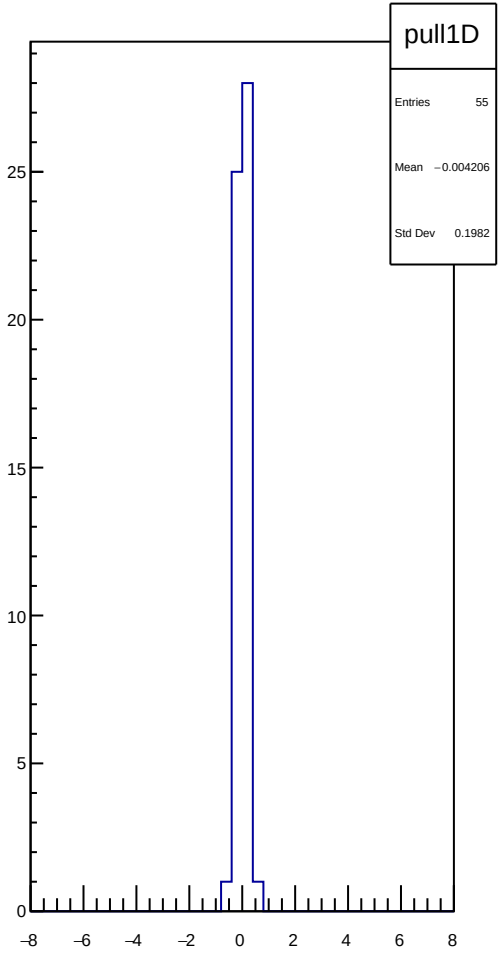

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.2 / 54
p0 49.8 ± 2.767
pull
Entries 55
Mean 100
Std Dev 53.02
pull1D
Entries 55
Mean 0.002798
Std Dev 0.4709

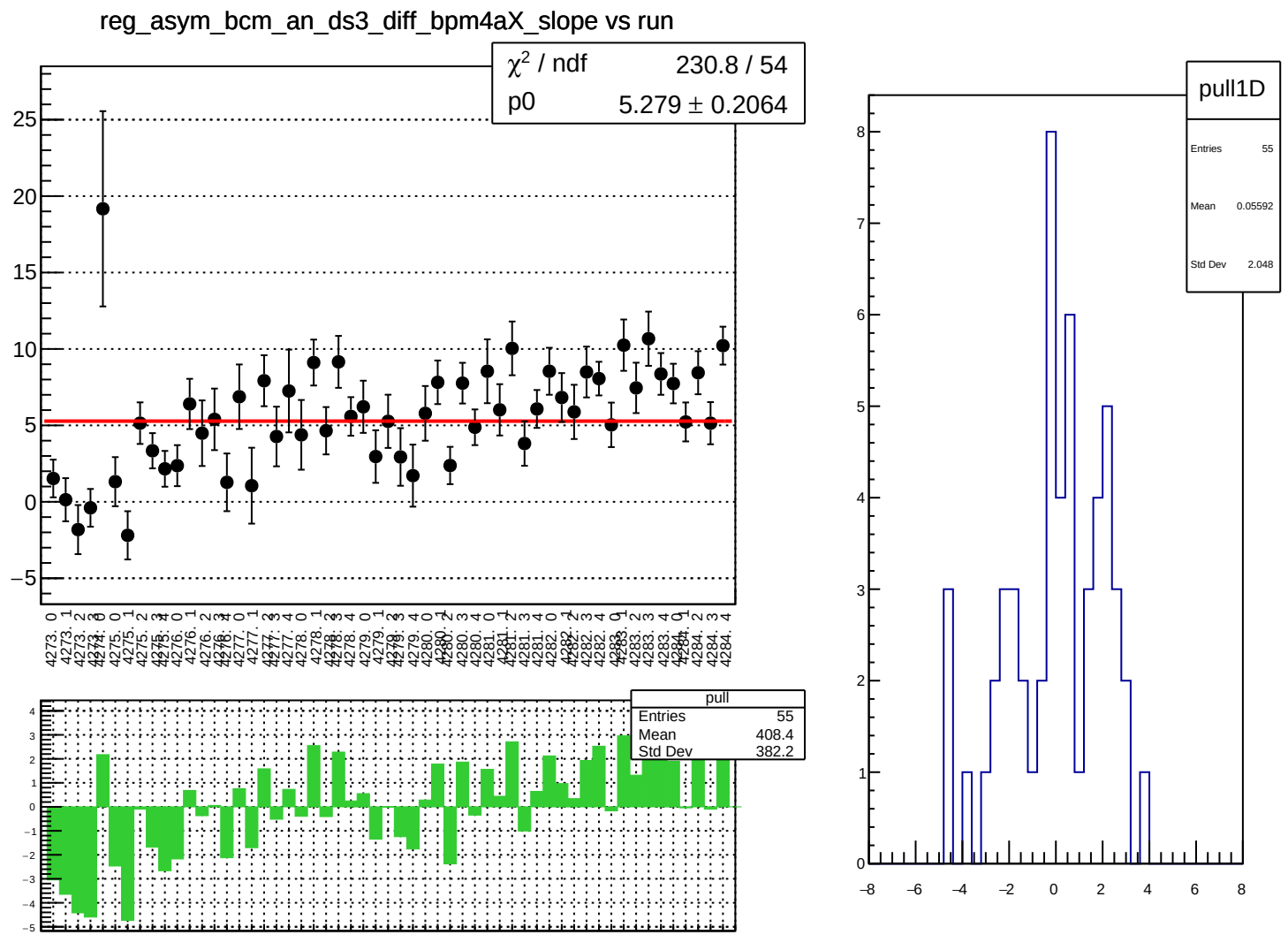

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.547 / 54
p0 −341.7 ± 0.6839
−330
−340
−350
−360
−370
−380
pull
Entries 55
Mean 96.44
Std Dev 78.23
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 55
Mean −0.01714
Std Dev 0.3446
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

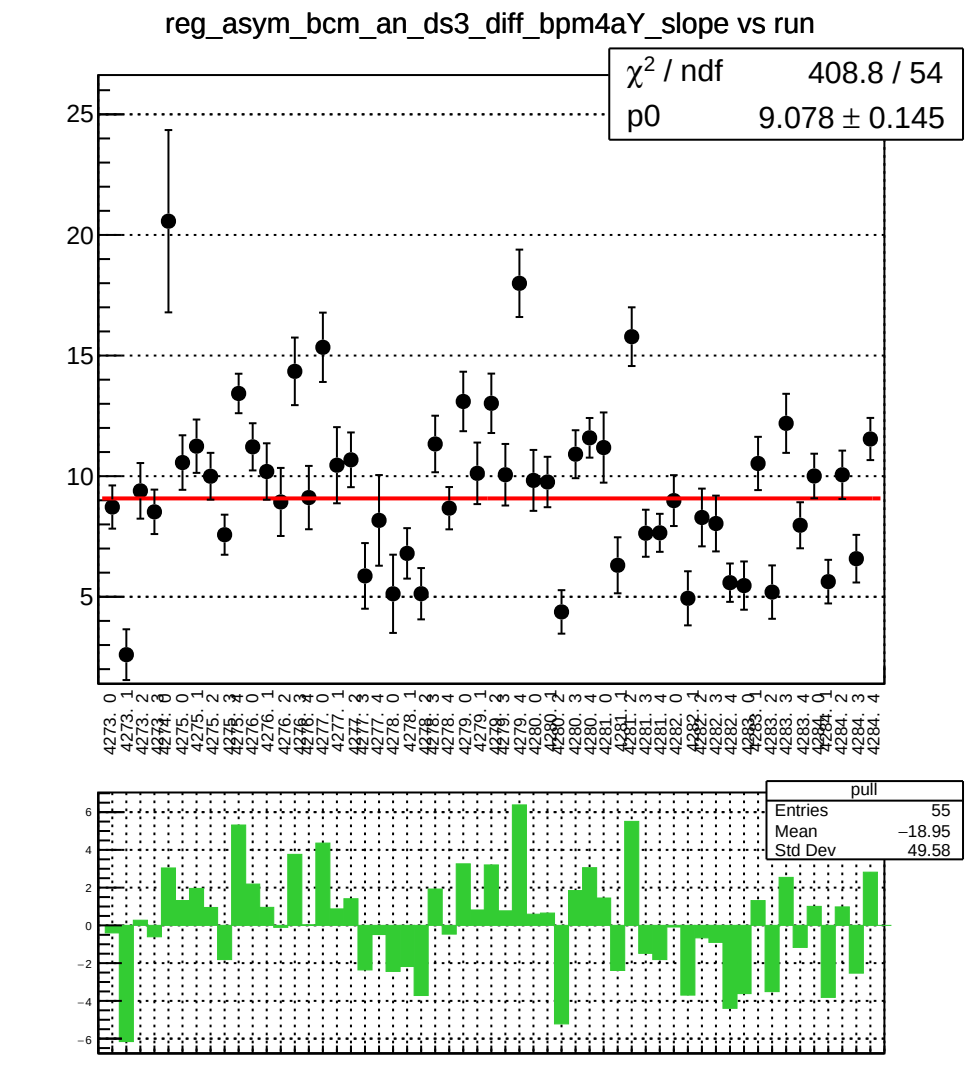

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.54 / 54
p0 206 ± 4.731
pull
Entries 55
Mean 73.18
Std Dev 27.96

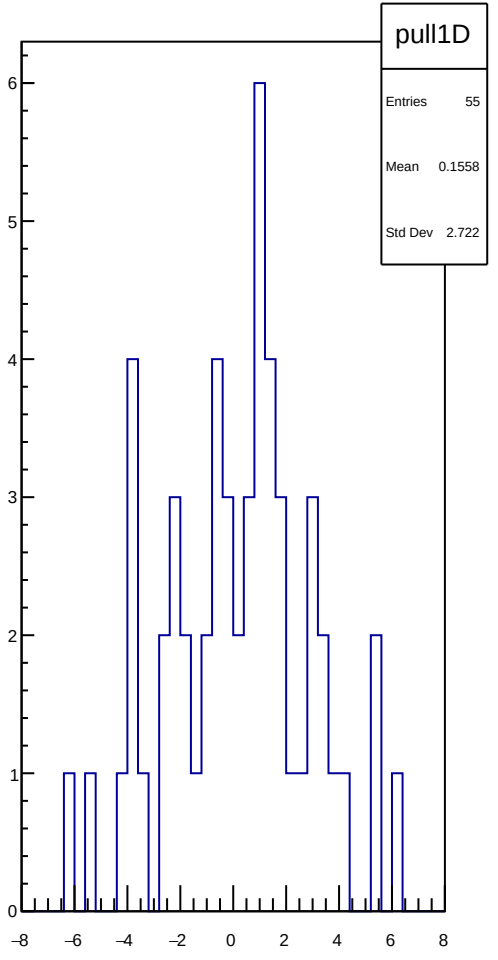

pull1D
Entries 55
Mean −0.004083
Std Dev 0.4774

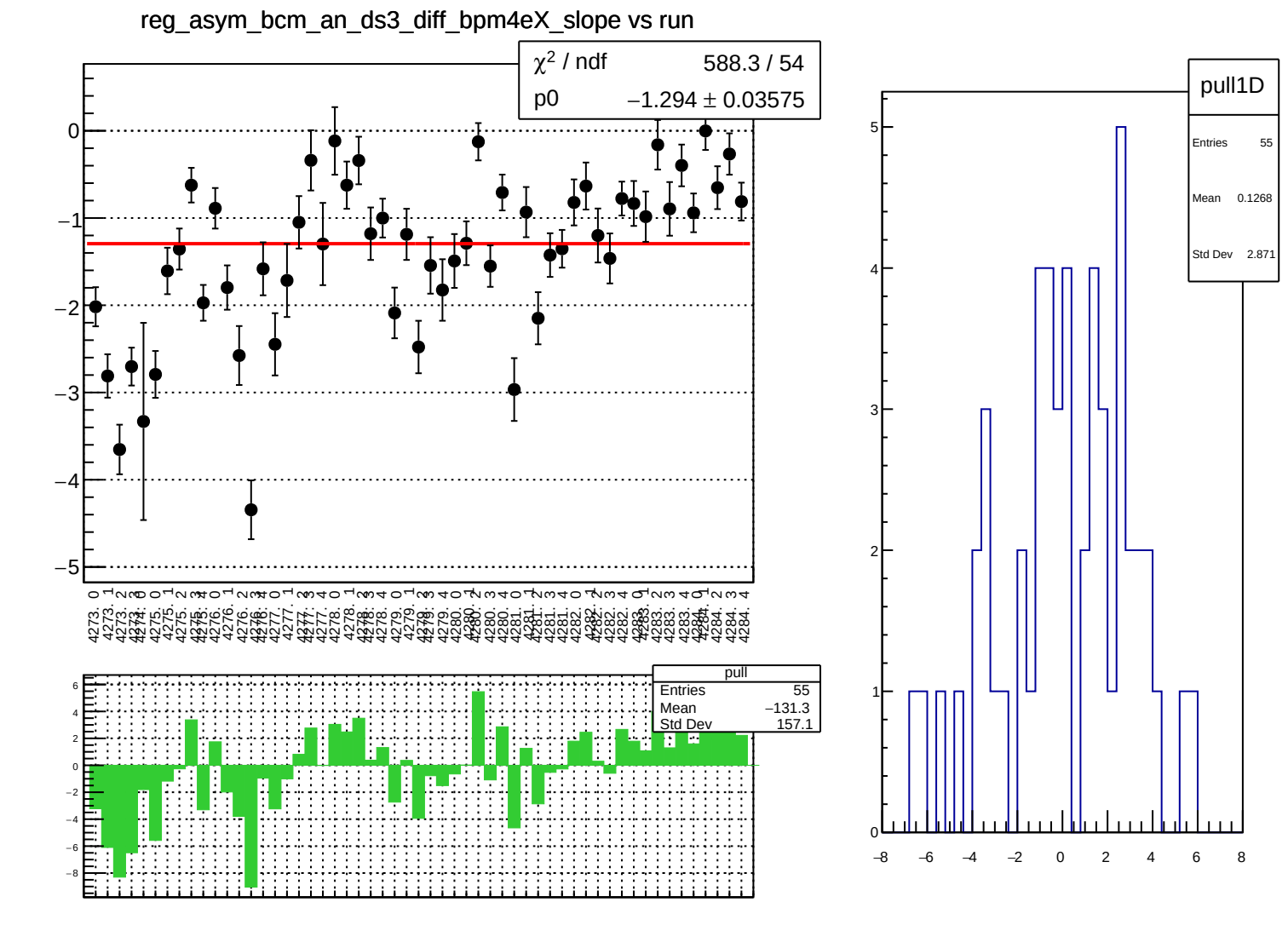

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 2.162 / 54
p0 −5.047 ± 0.8151
pull
Entries 55
Mean −59.13
Std Dev 76.03

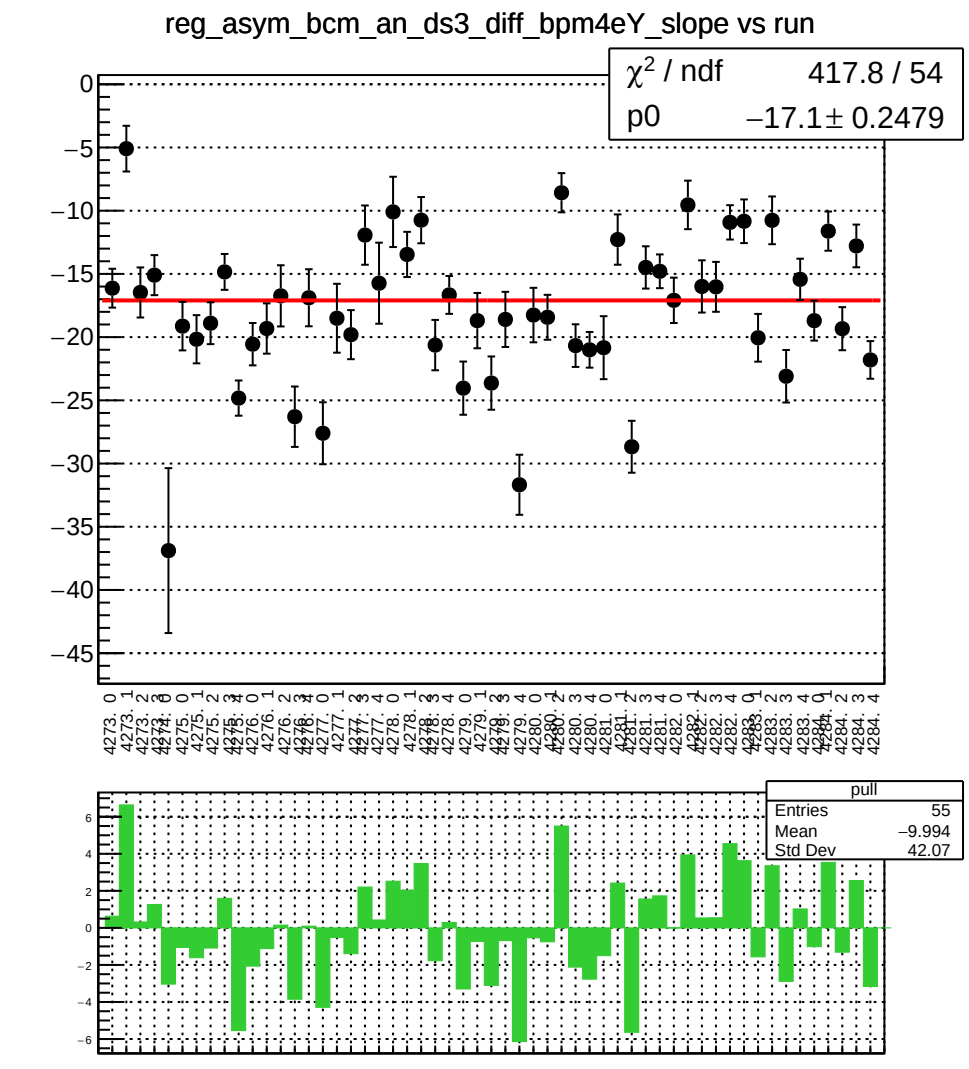

pull1D
Entries 55
Mean −0.004206
Std Dev 0.1982

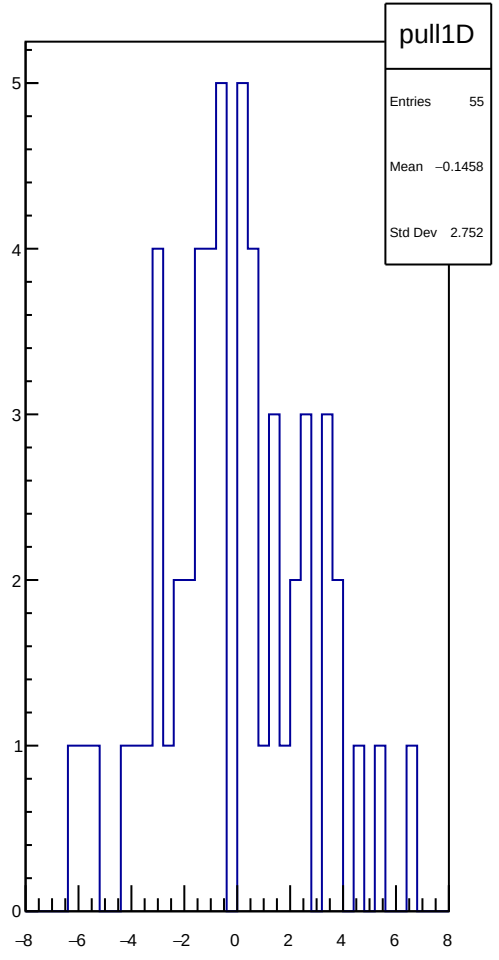

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 230.8 / 54
p0 5.279 ± 0.2064
pull
Entries 55
Mean 408.4
Std Dev 382.2
pull1D
Entries 55
Mean 0.05592
Std Dev 2.048

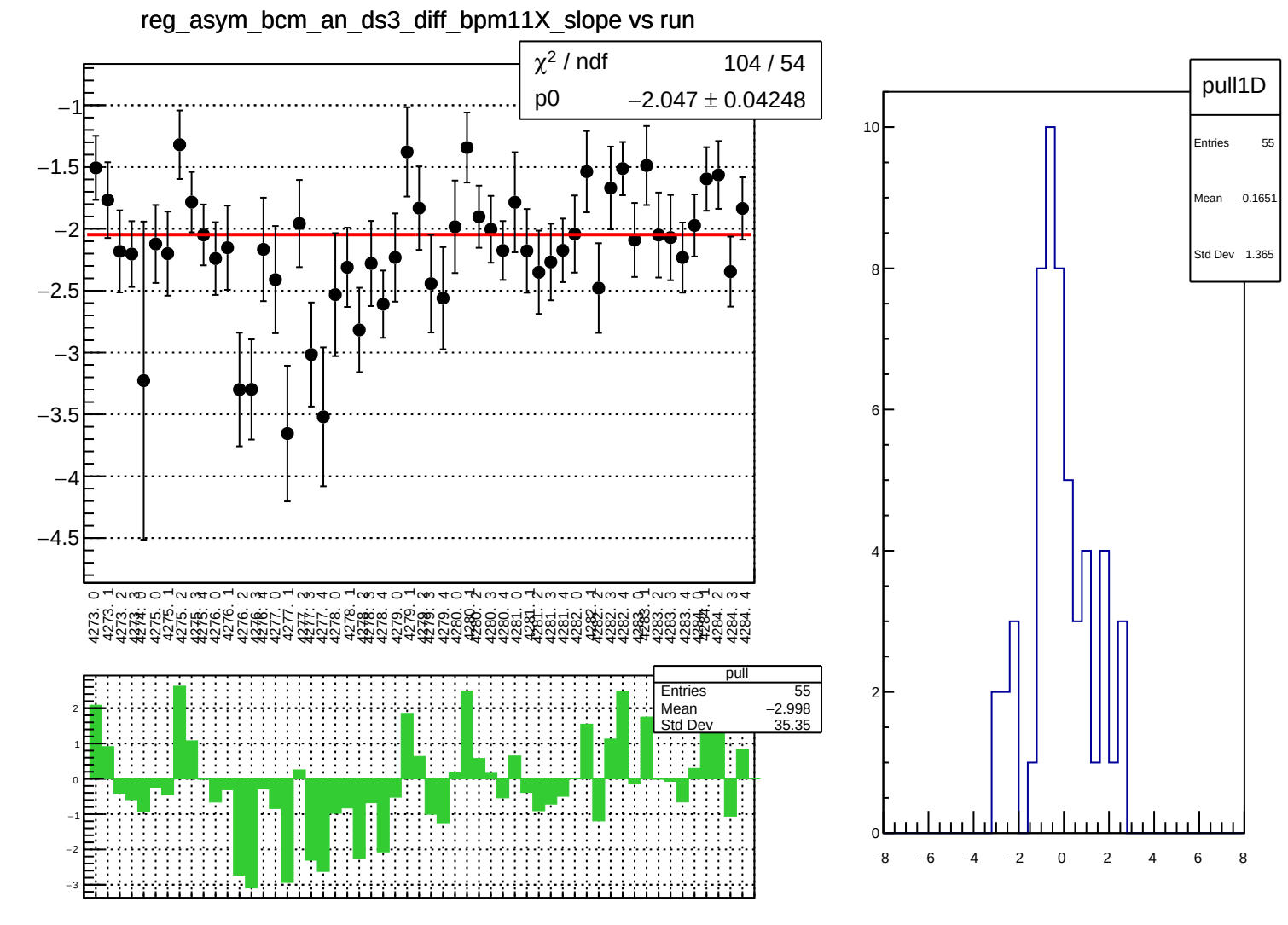

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 408.8 / 54
p0 9.078 ± 0.145
pull
Entries 55
Mean −18.95
Std Dev 49.58

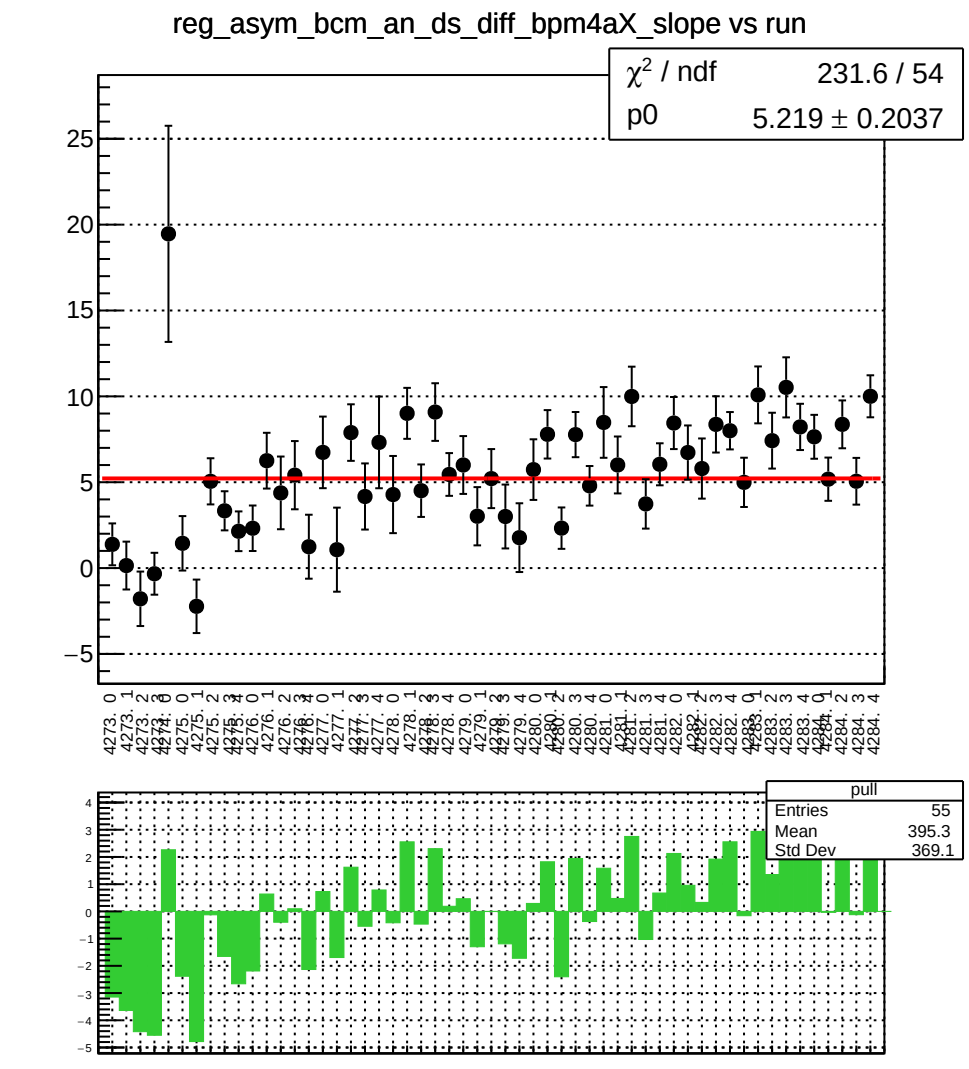

pull1D
Entries 55
Mean 0.1558
Std Dev 2.722

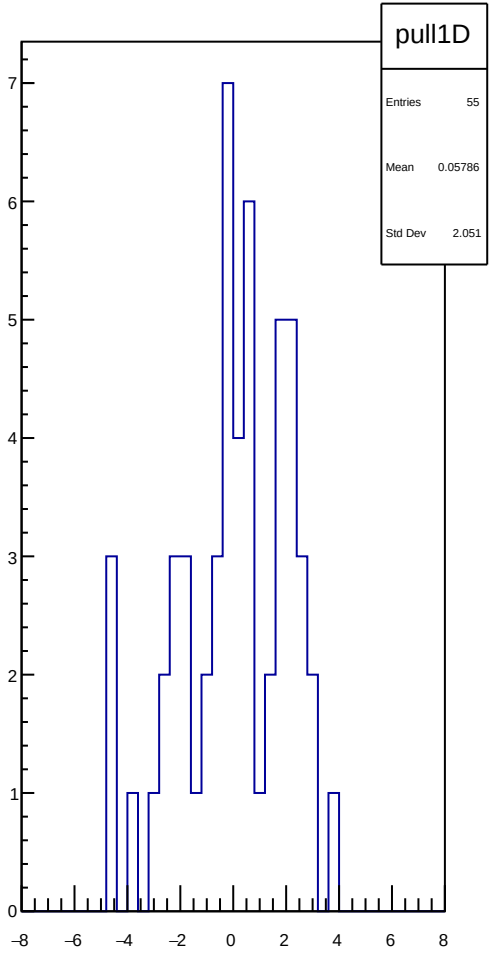

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 588.3 / 54
p0 −1.294 ± 0.03575
pull
Entries 55
Mean −131.3
Std Dev 157.1
pull1D
Entries 55
Mean 0.1268
Std Dev 2.871

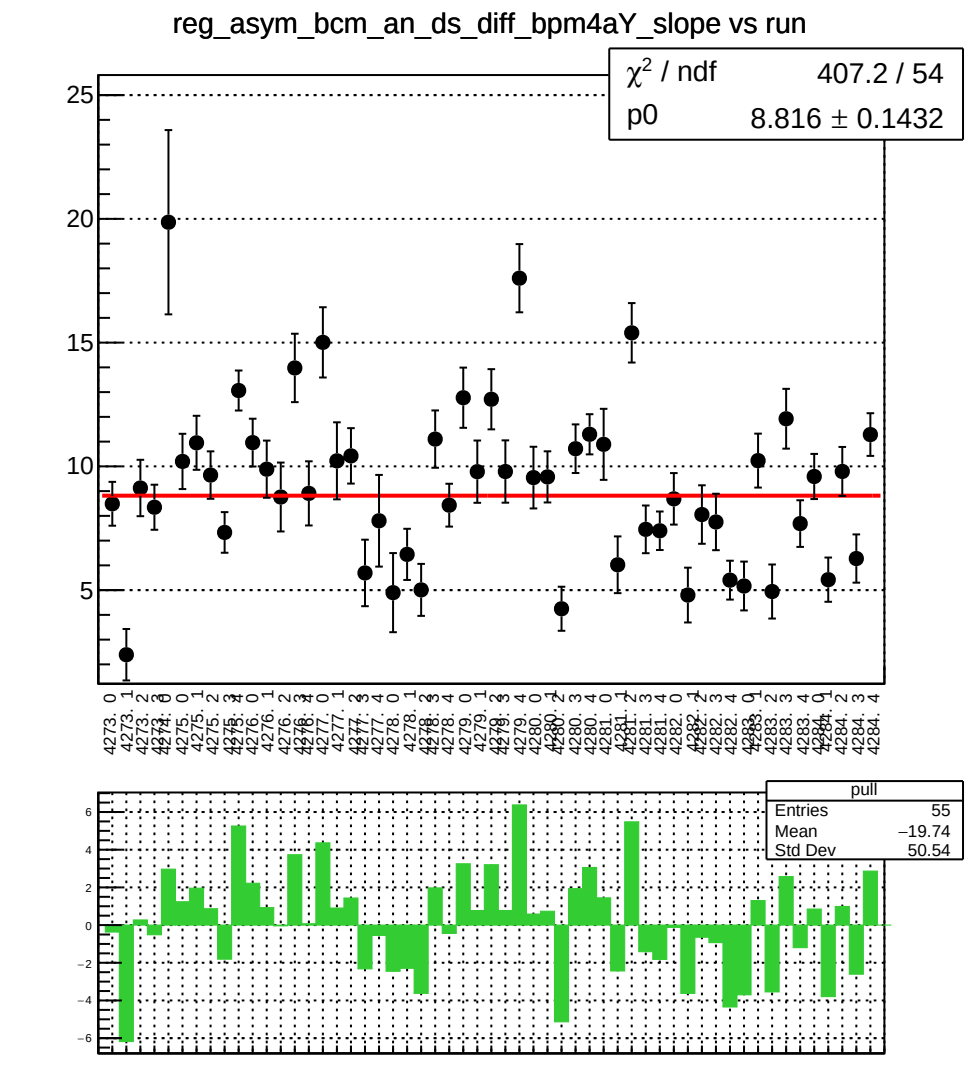

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 417.8 / 54
p0 −17.1 ± 0.2479
pull
Entries 55
Mean −9.994
Std Dev 42.07

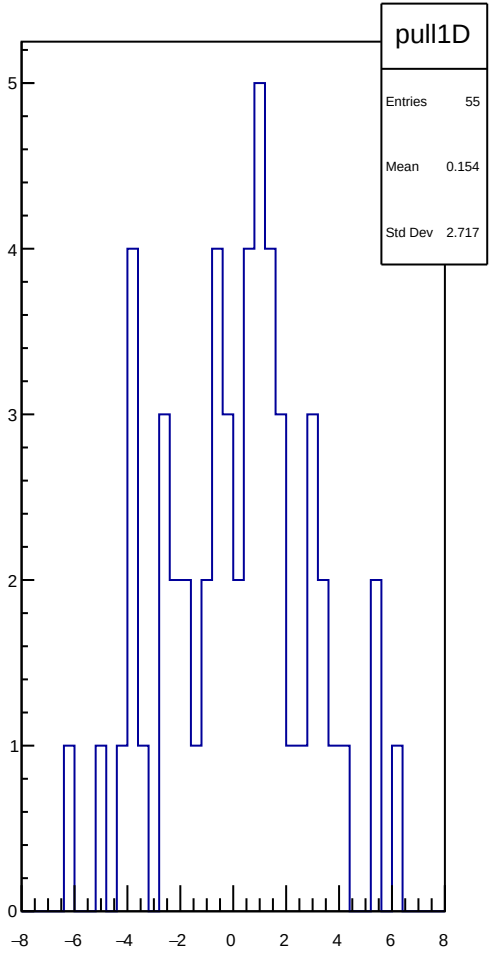

pull1D
Entries 55
Mean −0.1458
Std Dev 2.752

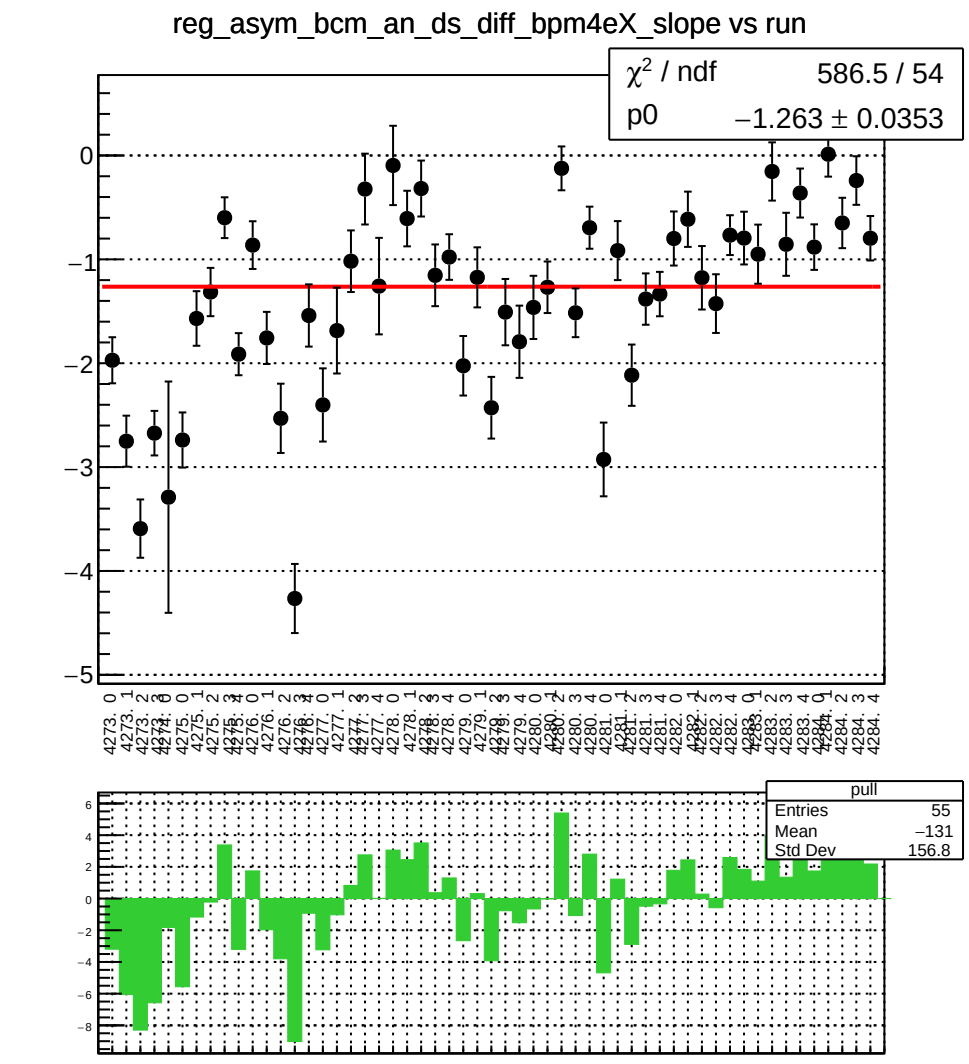

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 104 / 54
p0 −2.047 ± 0.04248
pull
Entries 55
Mean −2.998
Std Dev 35.35
pull1D
Entries 55
Mean −0.1651
Std Dev 1.365

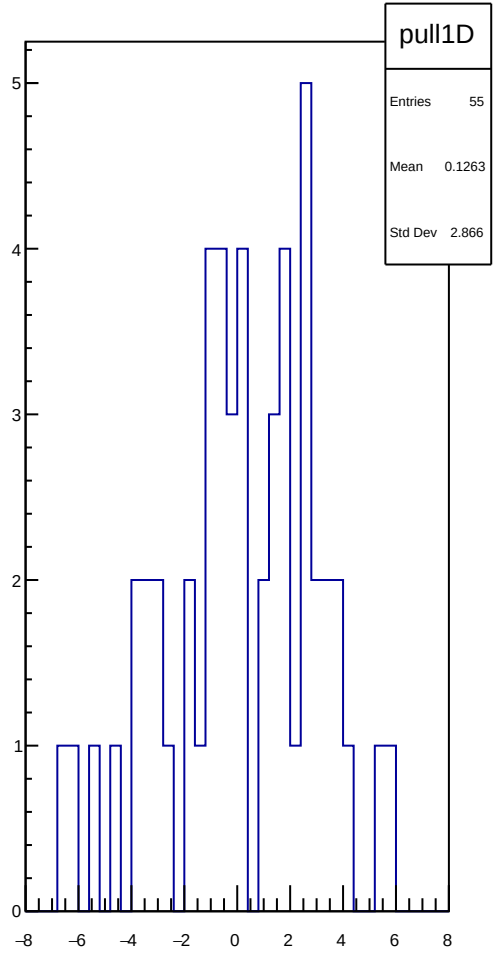

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 231.6 / 54
p0 5.219 ± 0.2037
pull
Entries 55
Mean 395.3
Std Dev 369.1

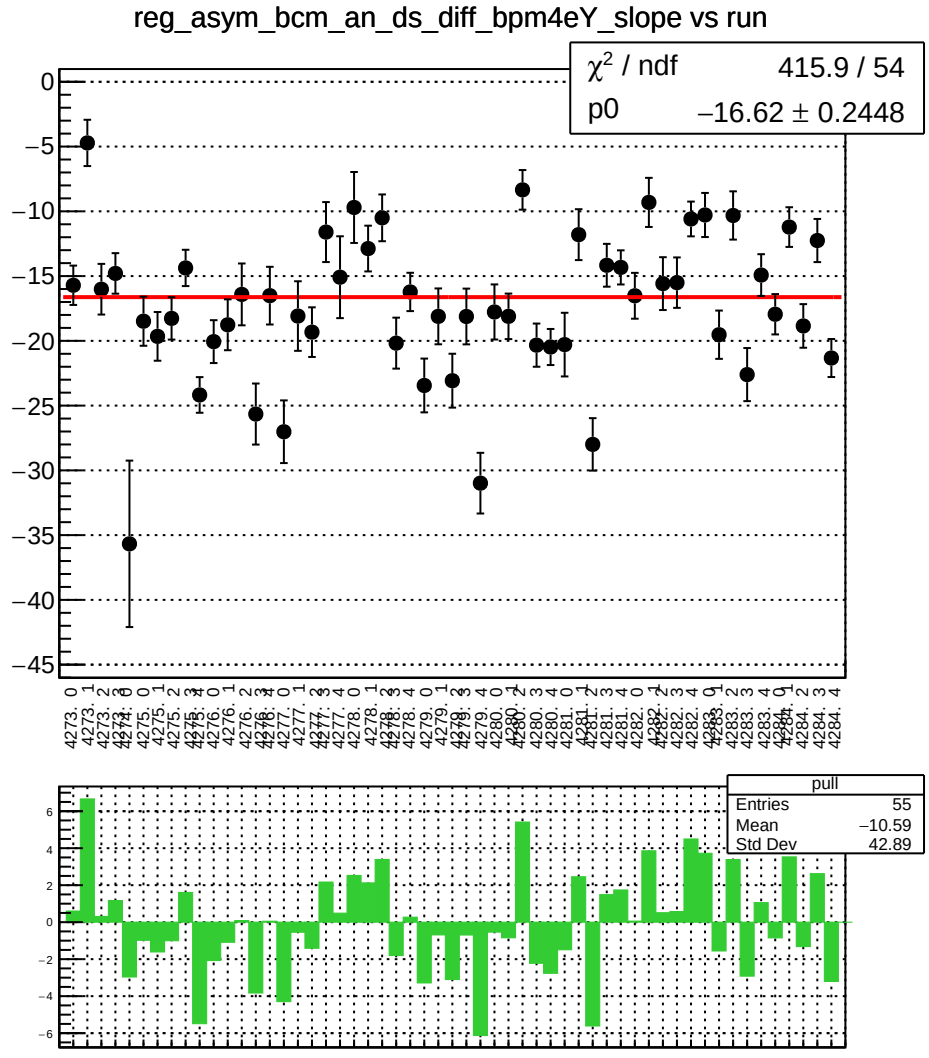

pull1D
Entries 55
Mean 0.05786
Std Dev 2.051

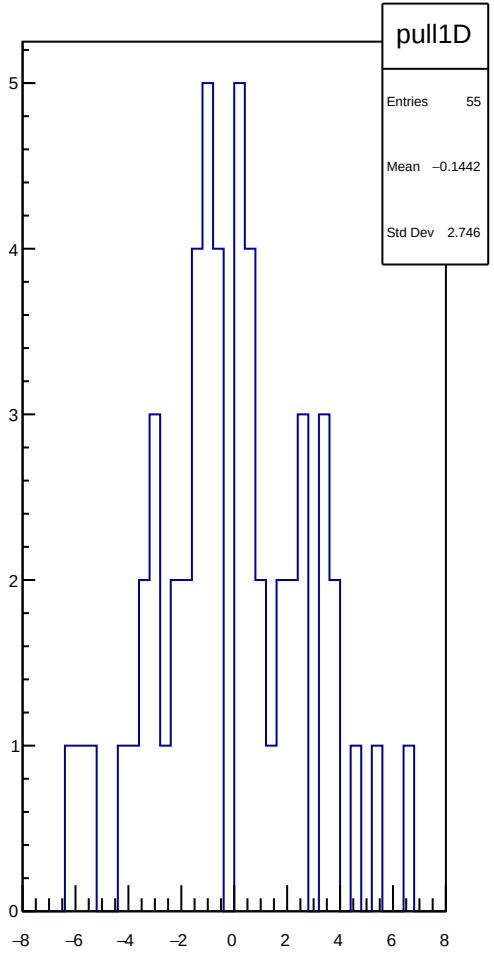

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 407.2 / 54
p0 8.816 ± 0.1432
pull
Entries 55
Mean −19.74
Std Dev 50.54

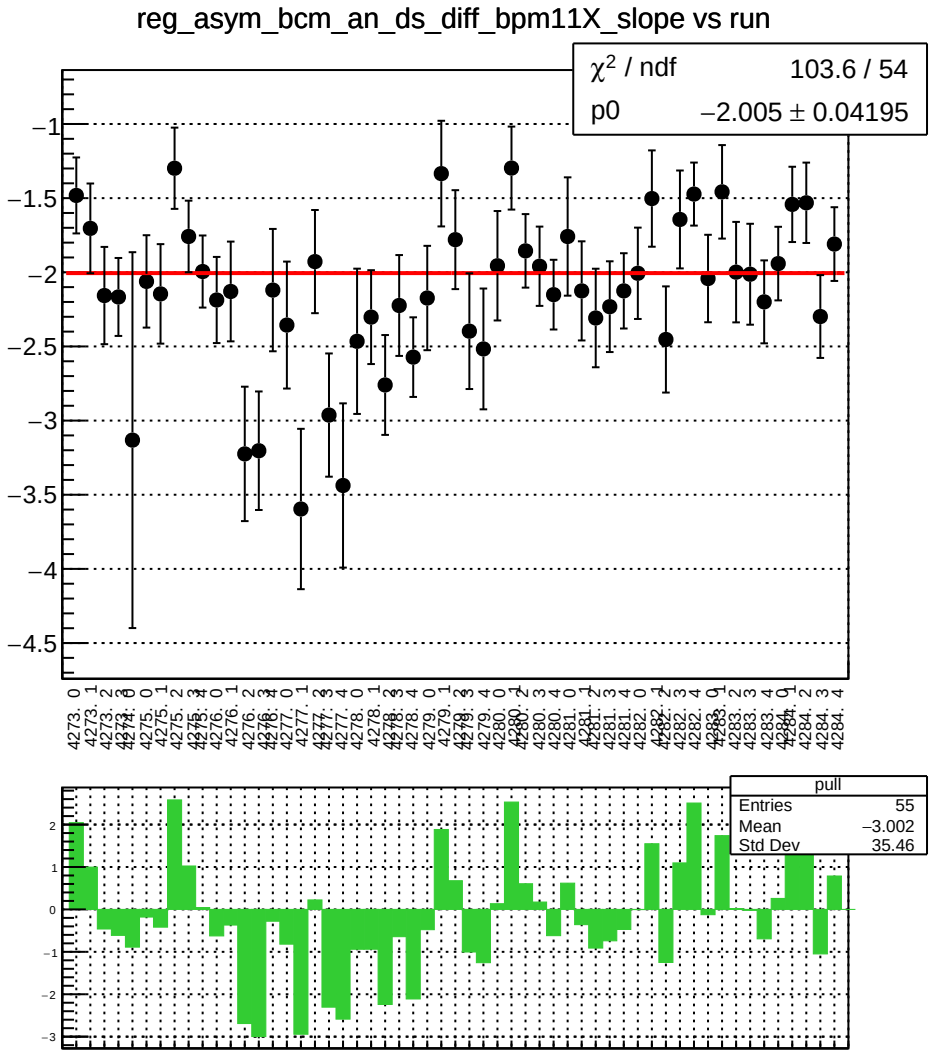

pull1D
Entries 55
Mean 0.154
Std Dev 2.717

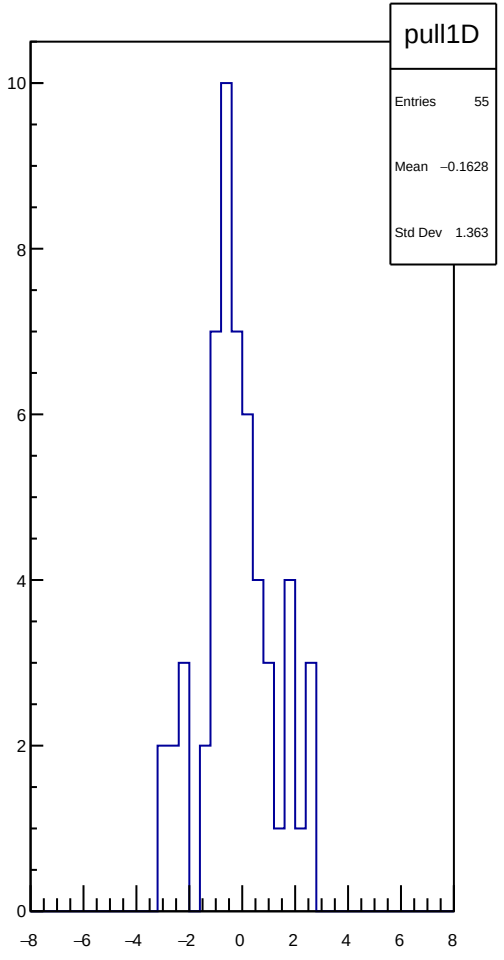

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 586.5 / 54
p0 −1.263 ± 0.0353
pull
Entries 55
Mean −131
Std Dev 156.8

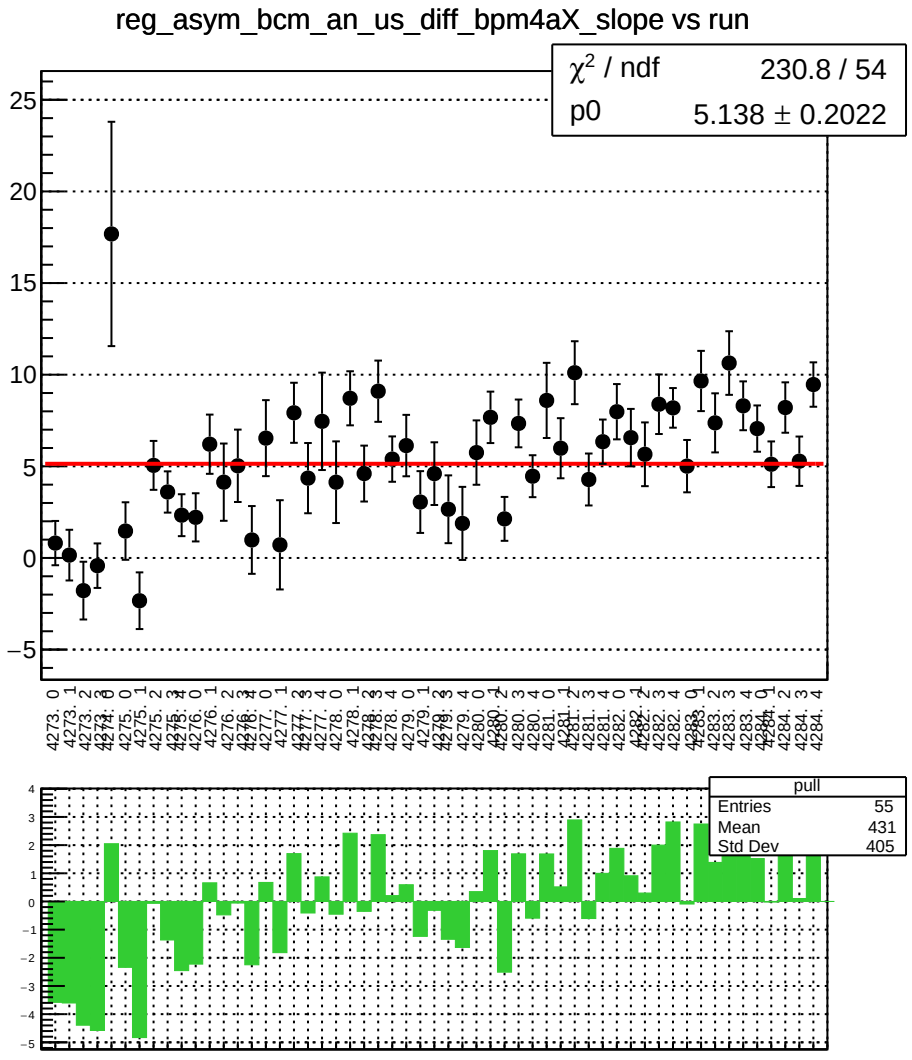

pull1D
Entries 55
Mean 0.1263
Std Dev 2.866

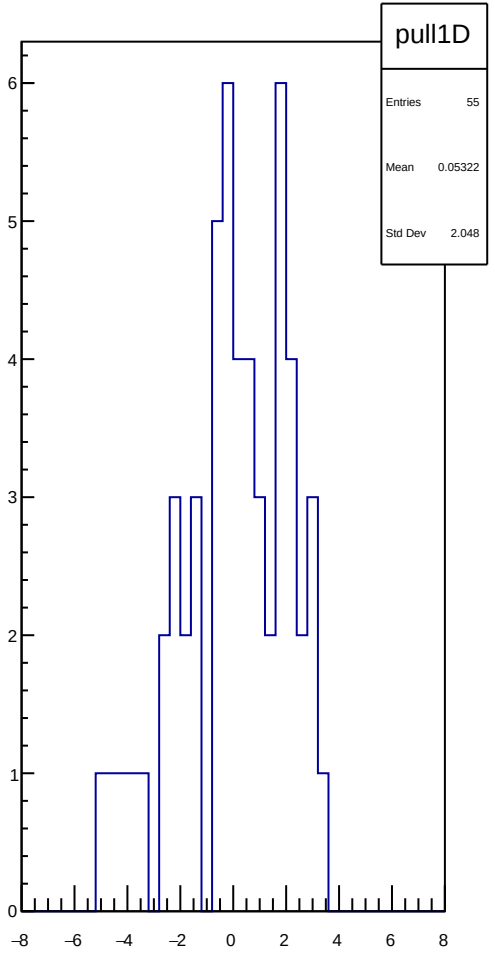

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 415.9 / 54
p0 −16.62 ± 0.2448
pull
Entries 55
Mean −10.59
Std Dev 42.89

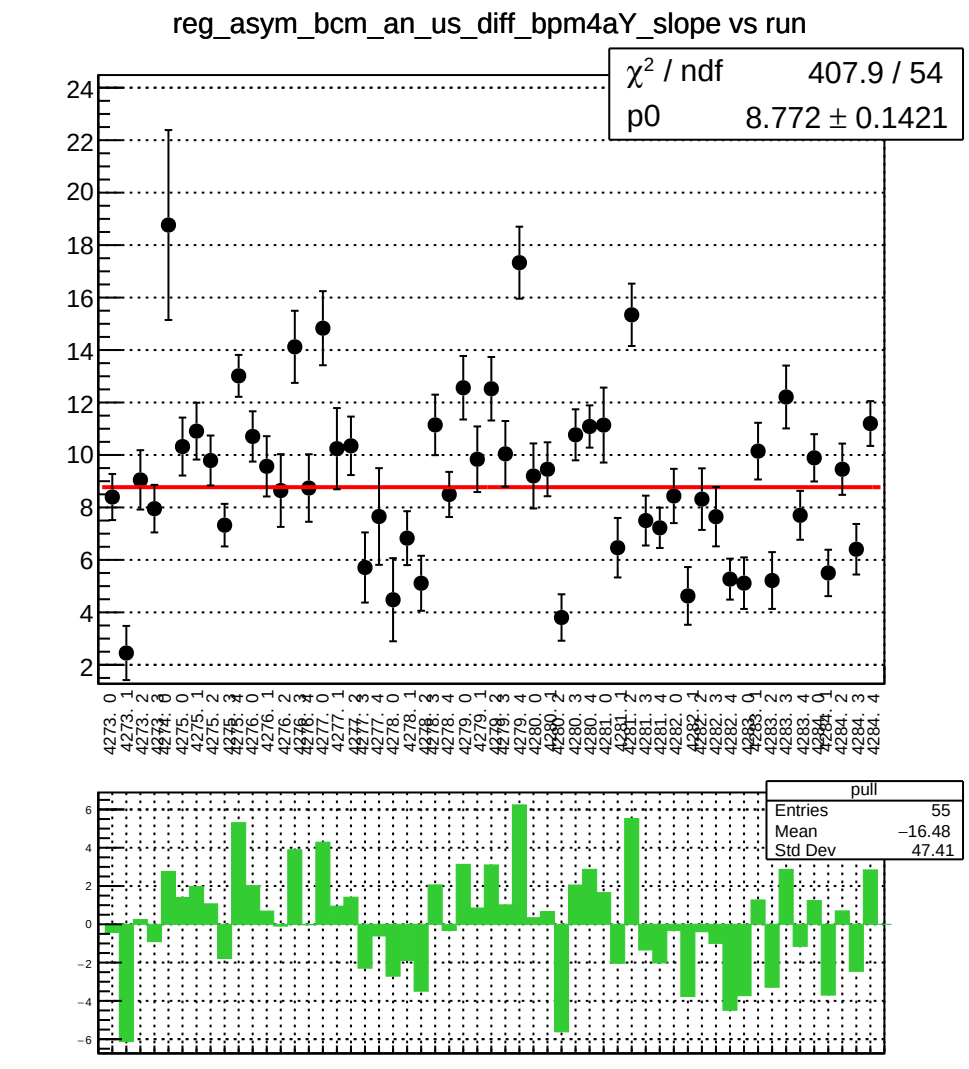

pull1D
Entries 55
Mean −0.1442
Std Dev 2.746

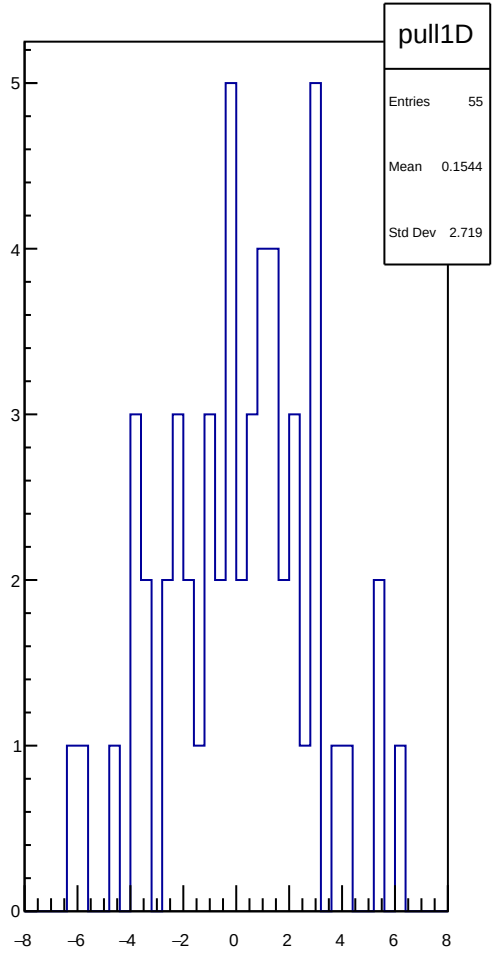

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 103.6 / 54
p0 −2.005 ± 0.04195
pull
Entries 55
Mean −3.002
Std Dev 35.46

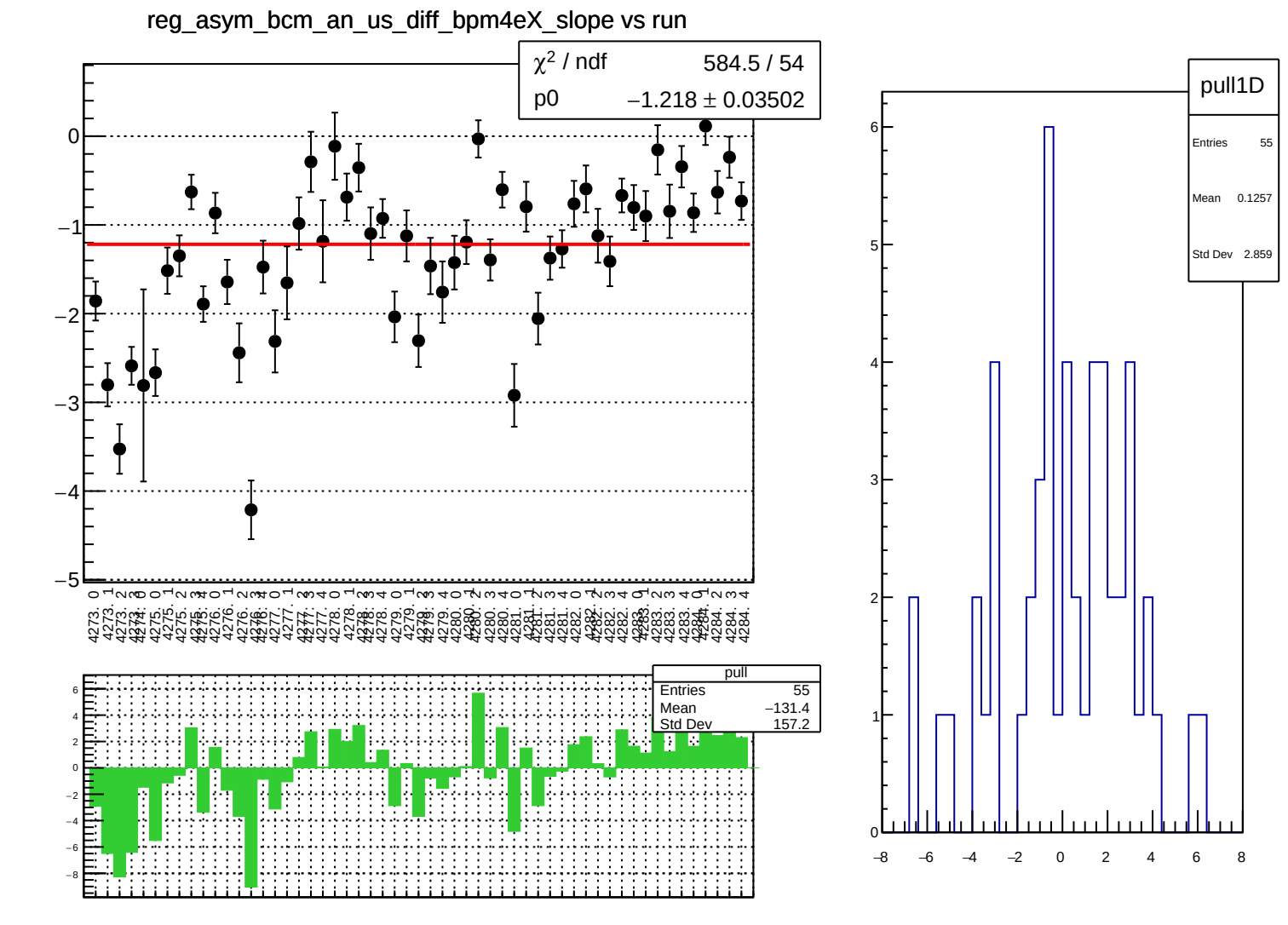

pull1D
Entries 55
Mean −0.1628
Std Dev 1.363

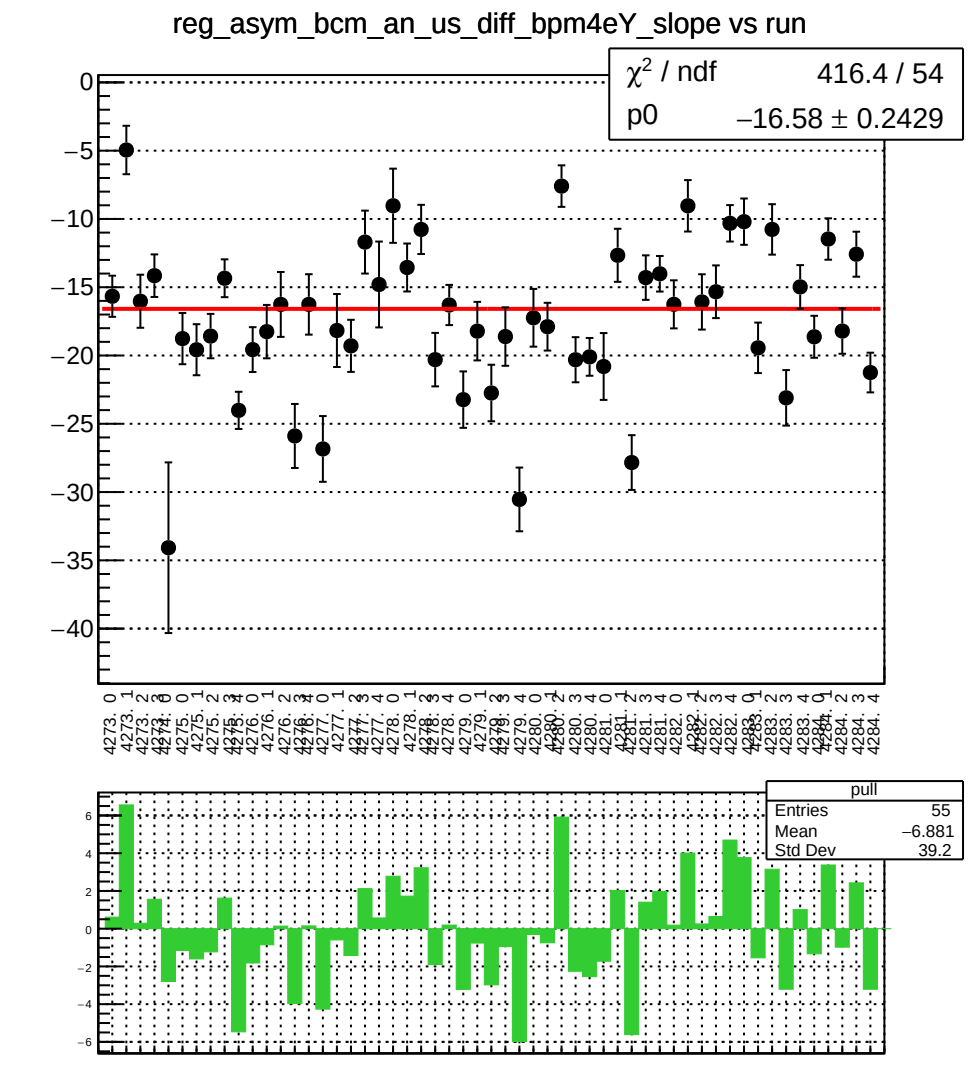

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 230.8 / 54
p0 5.138 ± 0.2022
pull
Entries 55
Mean 431
Std Dev 405

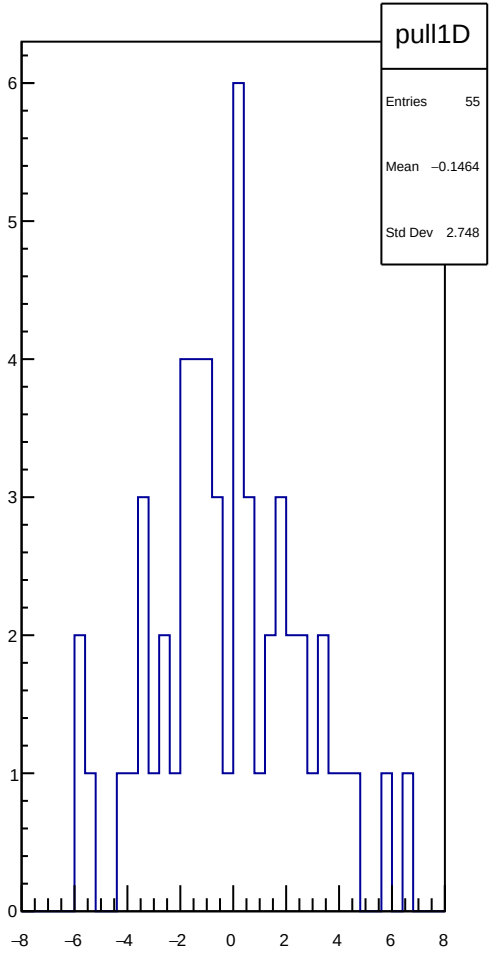

pull1D
Entries 55
Mean 0.05322
Std Dev 2.048

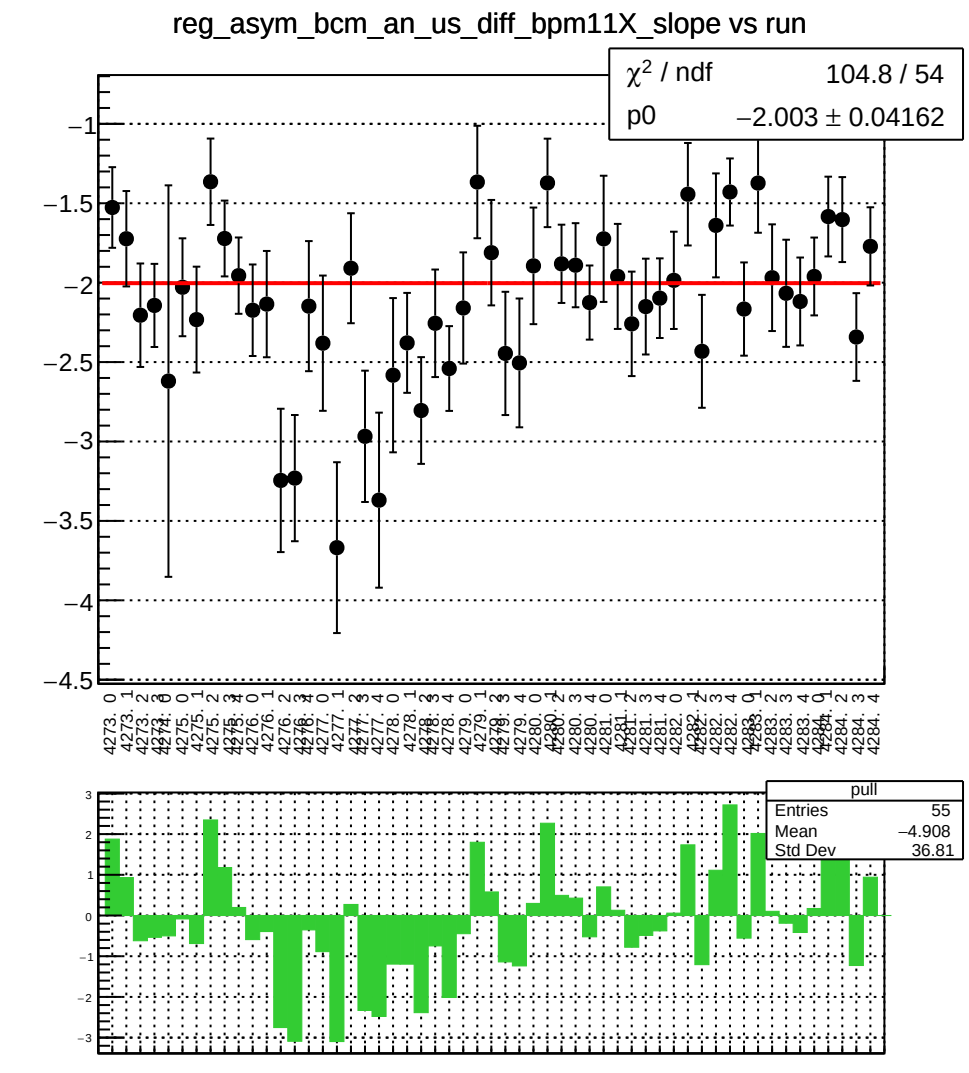

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 407.9 / 54
p0 8.772 ± 0.1421
pull
Entries 55
Mean −16.48
Std Dev 47.41

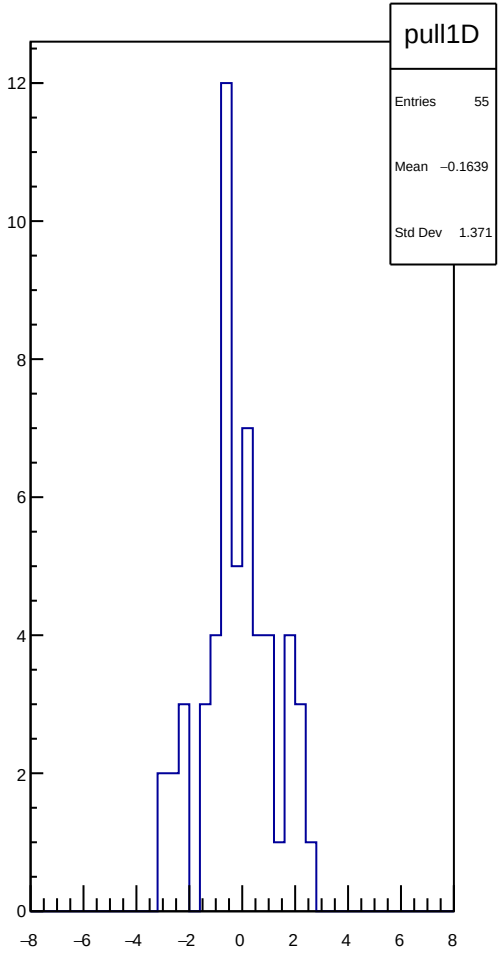

pull1D
Entries 55
Mean 0.1544
Std Dev 2.719

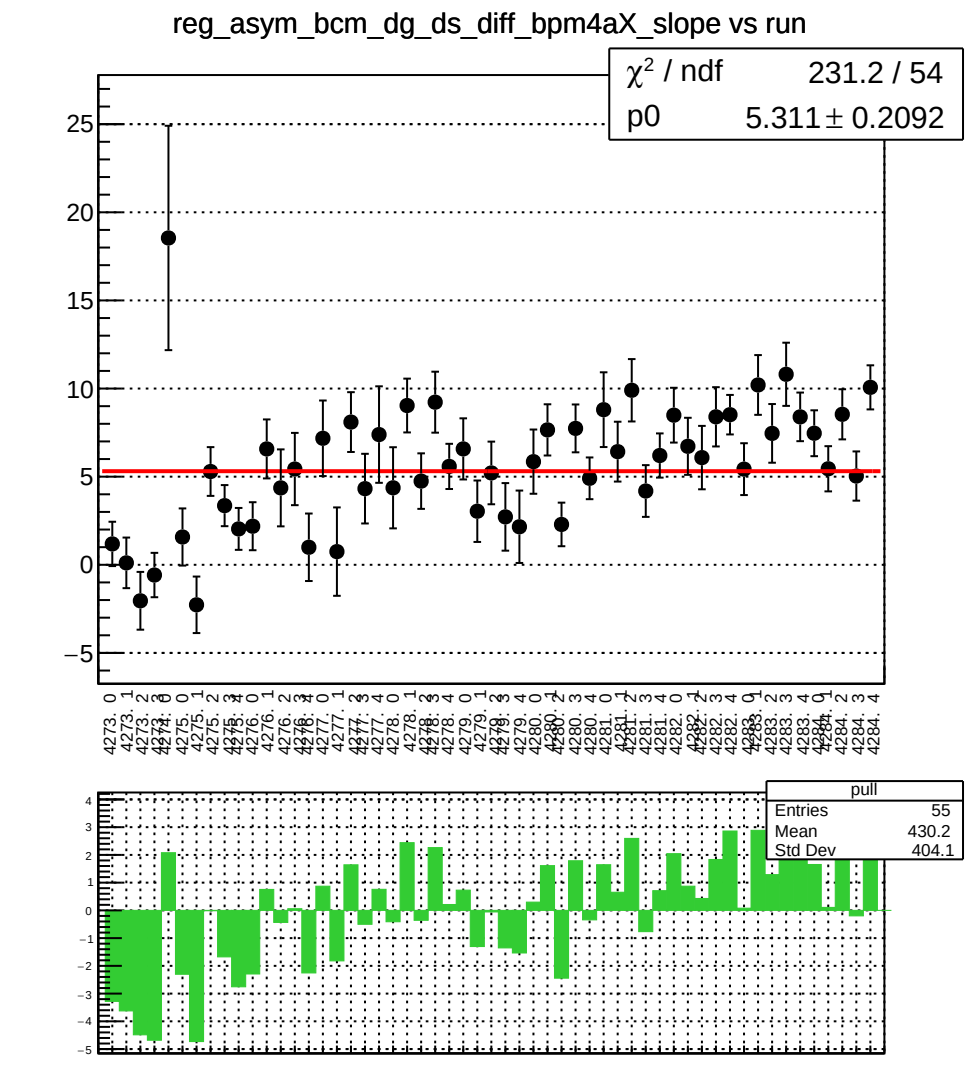

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 584.5 / 54
p0 −1.218 ± 0.03502
pull
Entries 55
Mean −131.4
Std Dev 157.2
pull1D
Entries 55
Mean 0.1257
Std Dev 2.859

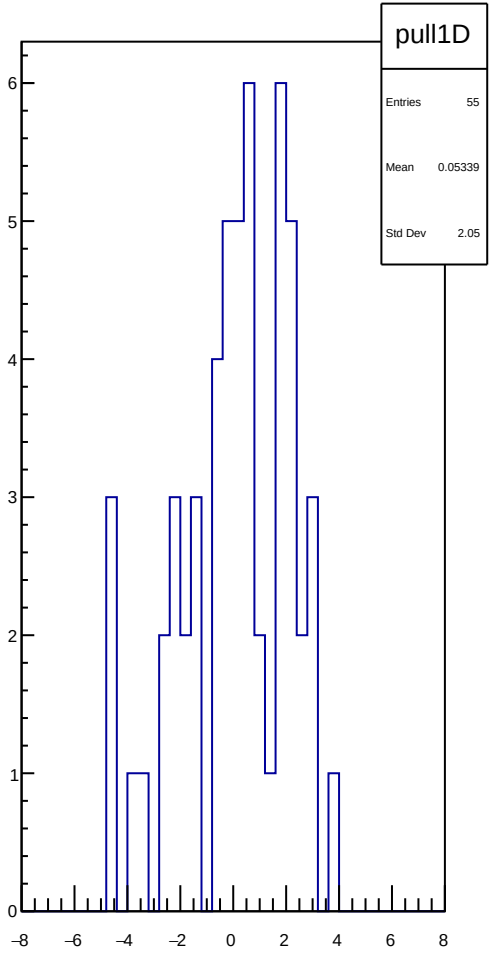

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 416.4 / 54
p0 −16.58 ± 0.2429
pull
Entries 55
Mean −6.881
Std Dev 39.2

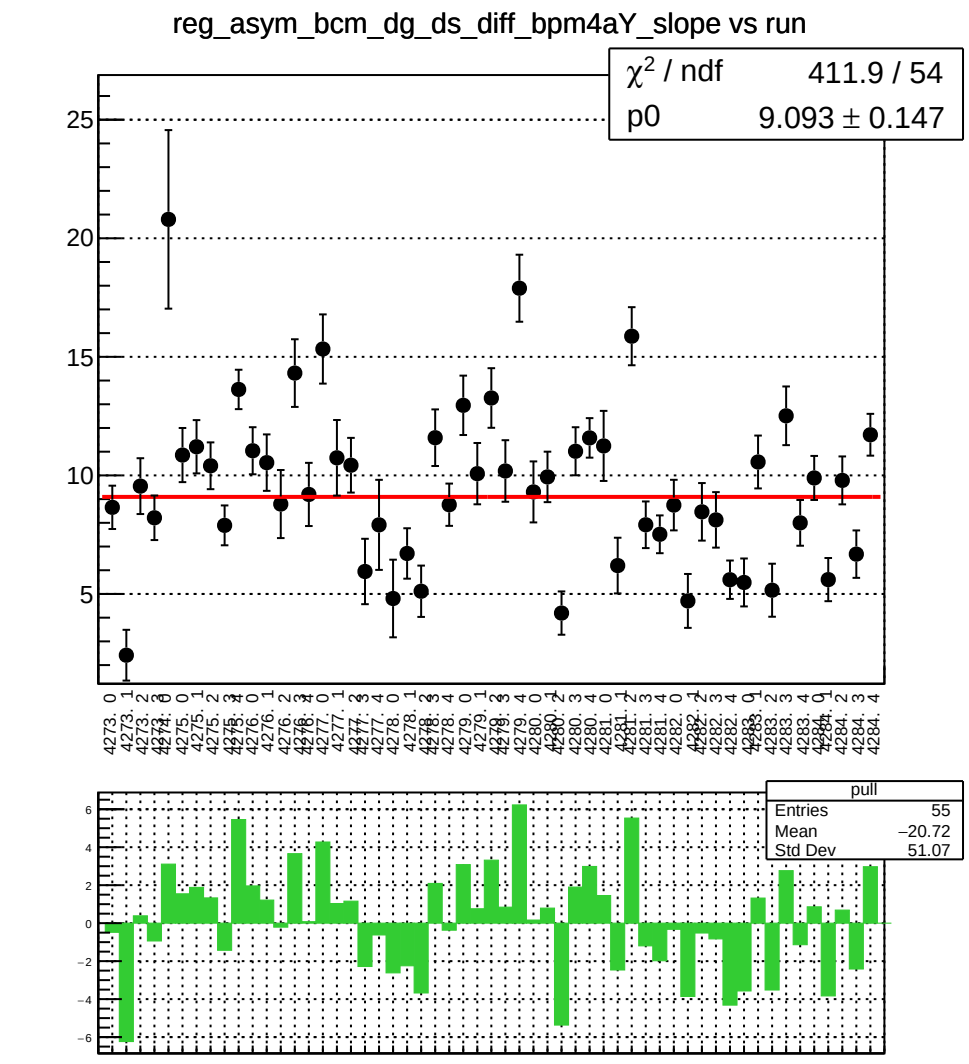

pull1D
Entries 55
Mean −0.1464
Std Dev 2.748

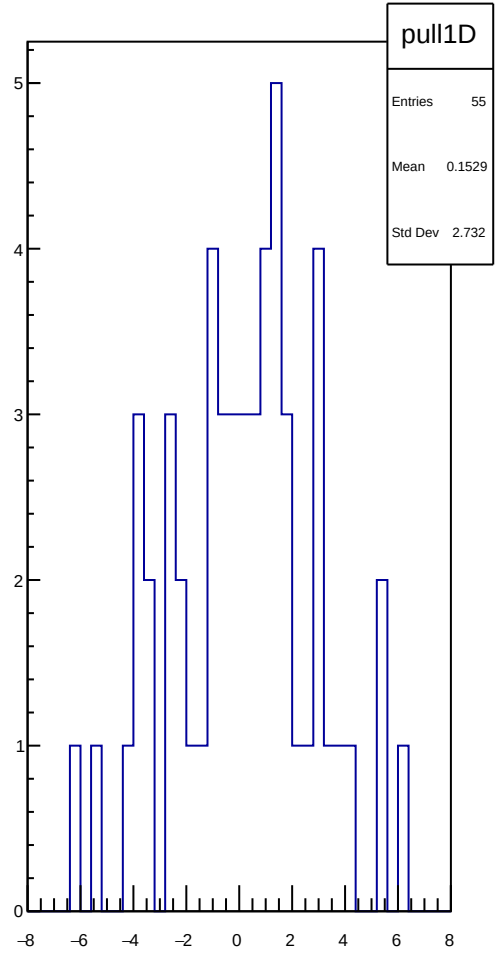

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 104.8 / 54
p0 −2.003 ± 0.04162
pull
Entries 55
Mean −4.908
Std Dev 36.81

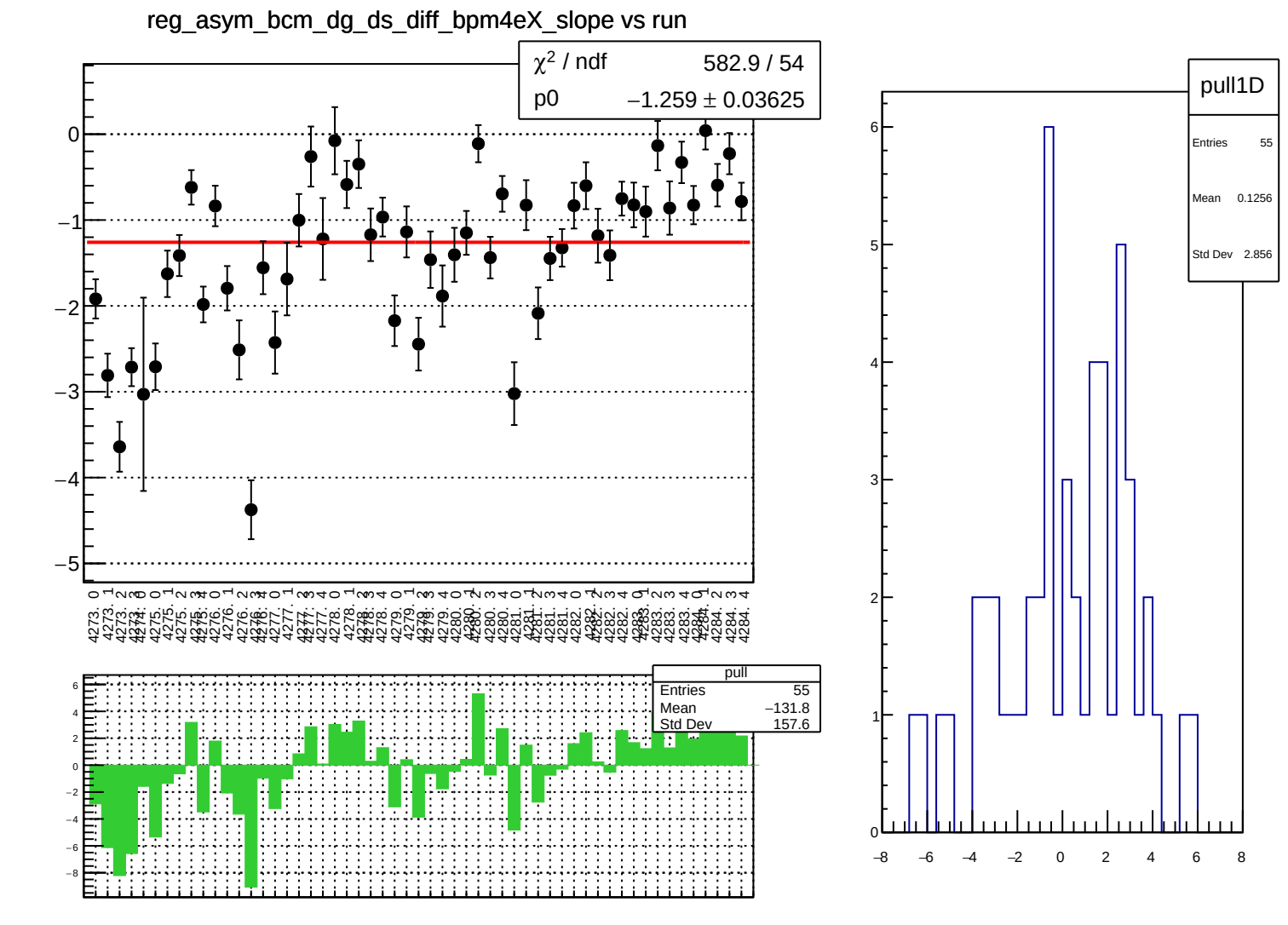

pull1D
Entries 55
Mean −0.1639
Std Dev 1.371

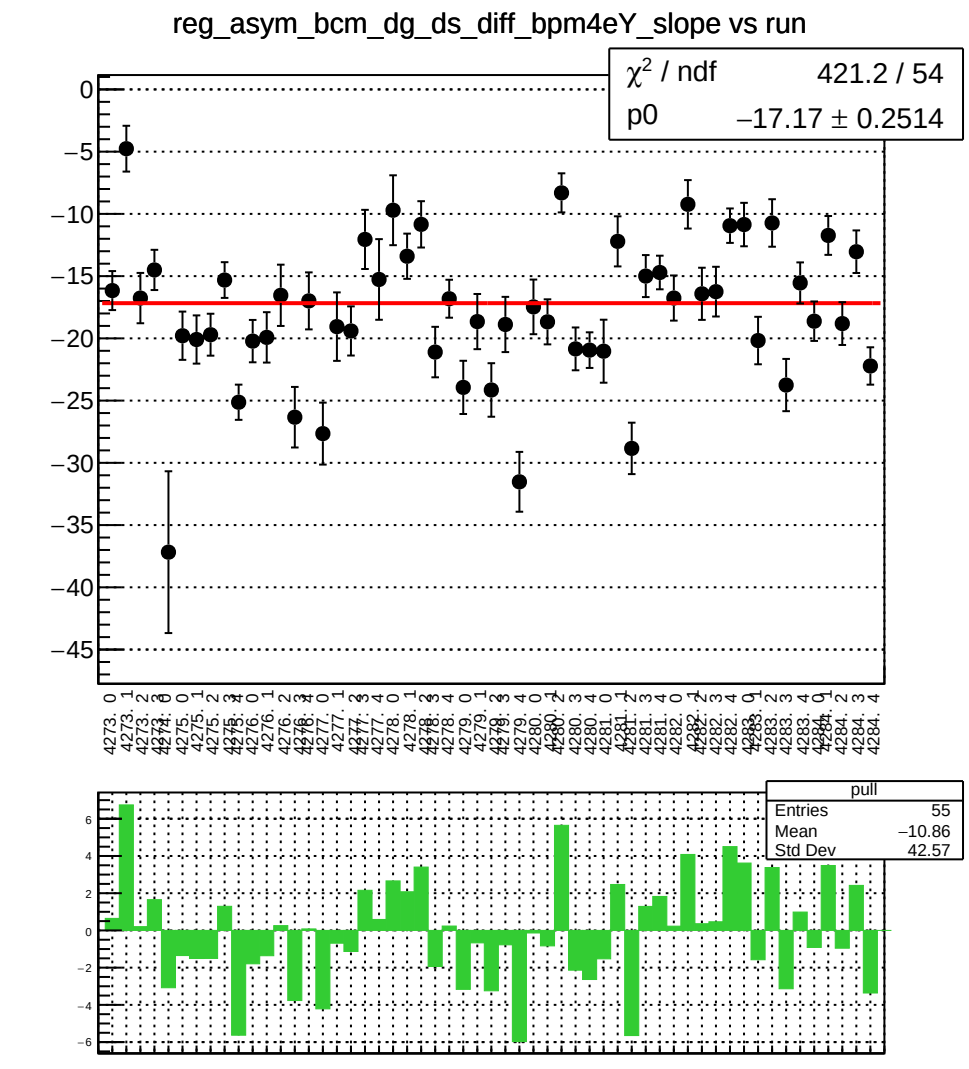

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 231.2 / 54
p0 5.311 ± 0.2092
pull
Entries 55
Mean 430.2
Std Dev 404.1

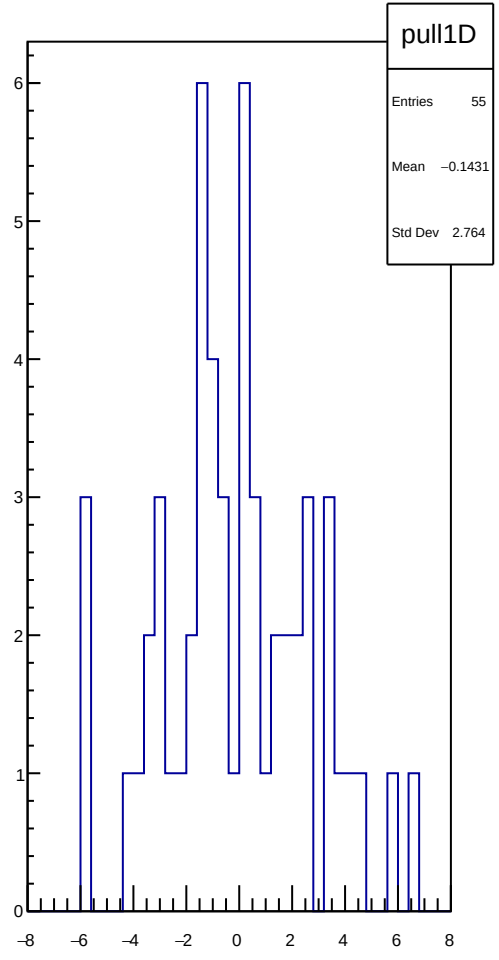

pull1D
Entries 55
Mean 0.05339
Std Dev 2.05

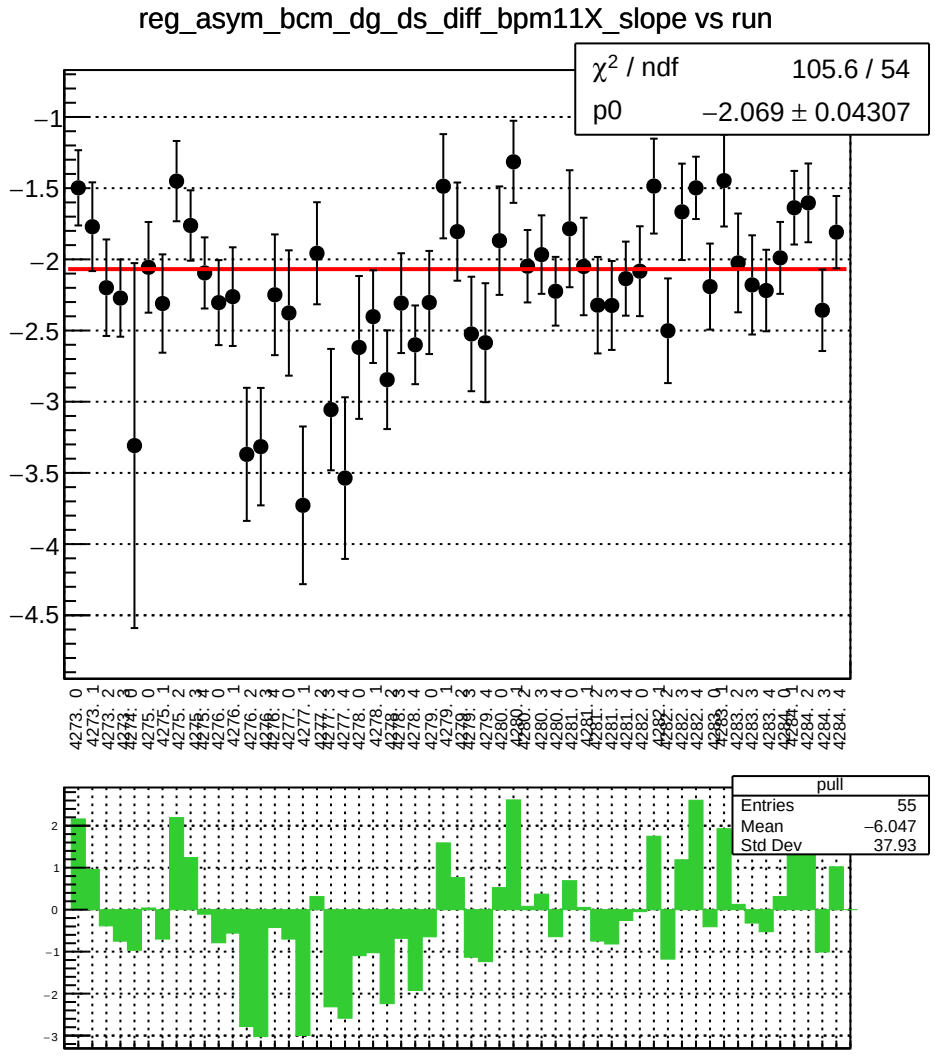

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 411.9 / 54
p0 9.093 ± 0.147
pull
Entries 55
Mean −20.72
Std Dev 51.07

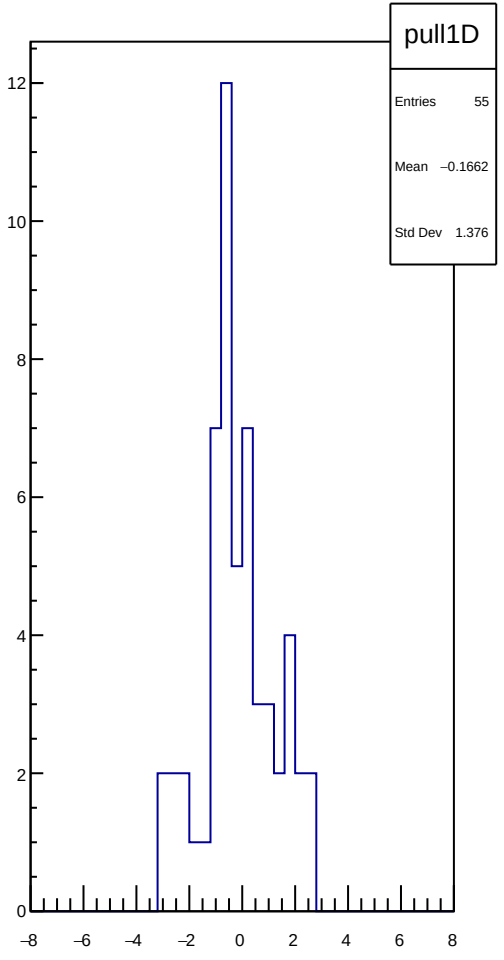

pull1D
Entries 55
Mean 0.1529
Std Dev 2.732

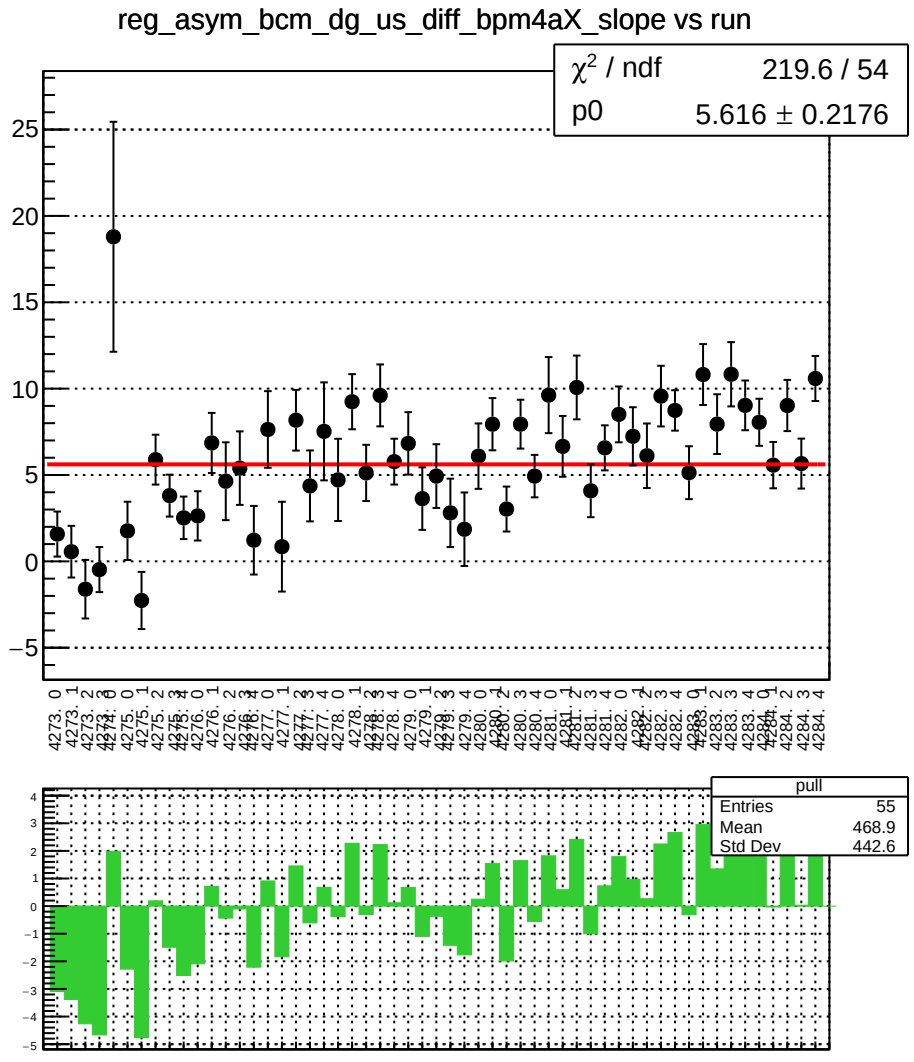

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 582.9 / 54
p0 −1.259 ± 0.03625
pull
Entries 55
Mean −131.8
Std Dev 157.6
pull1D
Entries 55
Mean 0.1256
Std Dev 2.856

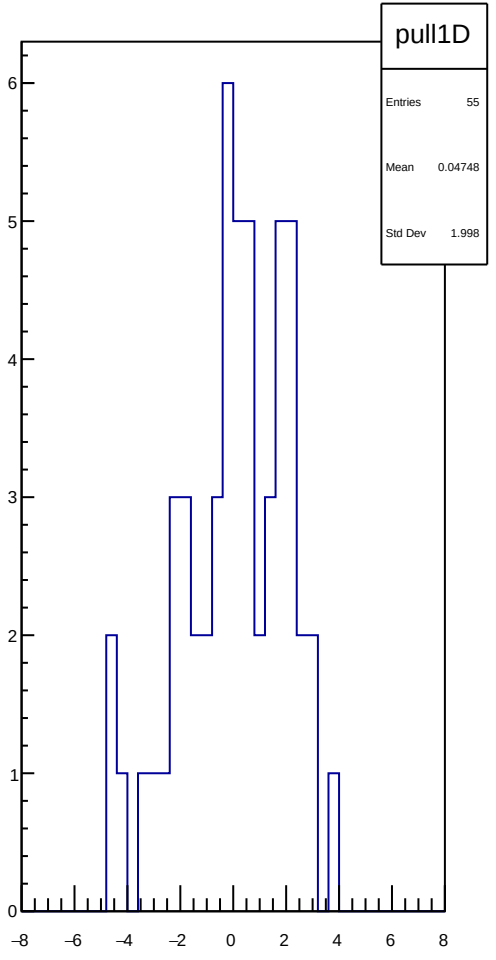

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 421.2 / 54
p0 −17.17 ± 0.2514
pull
Entries 55
Mean −10.86
Std Dev 42.57

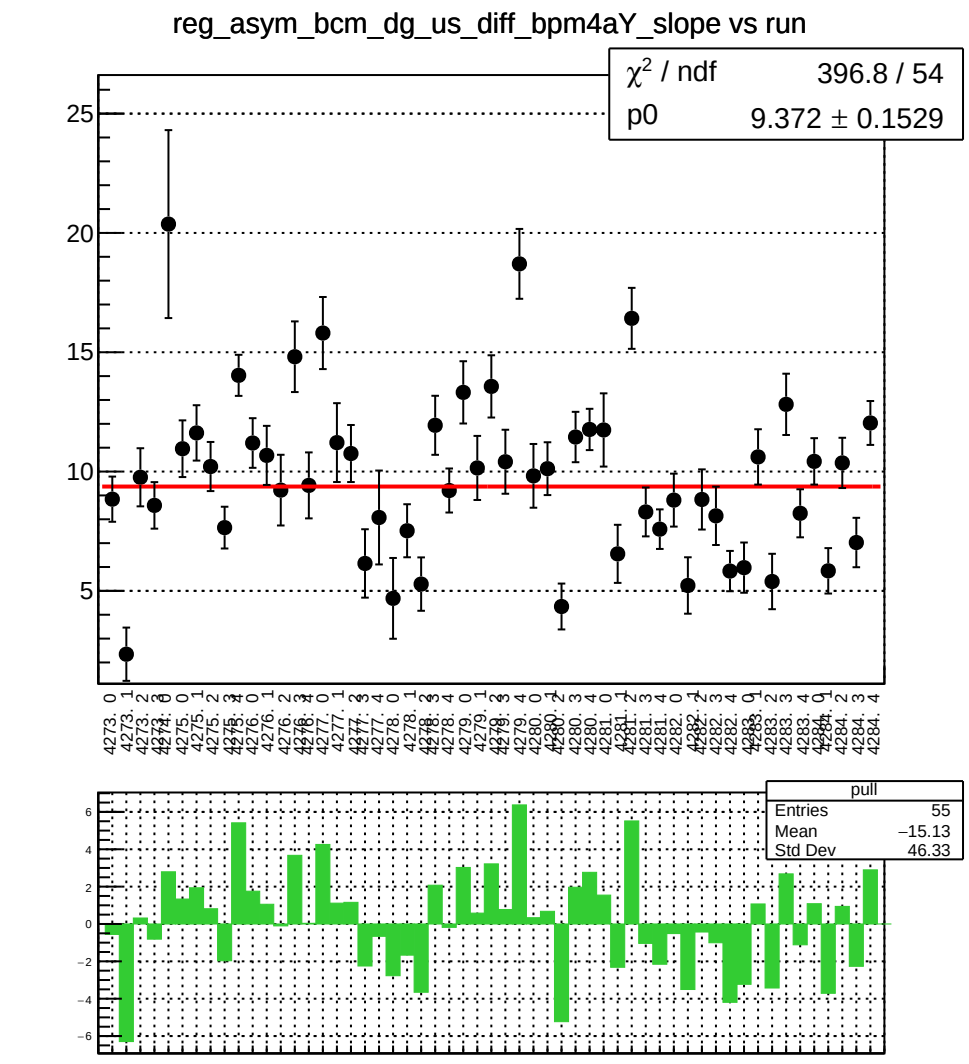

pull1D
Entries 55
Mean −0.1431
Std Dev 2.764

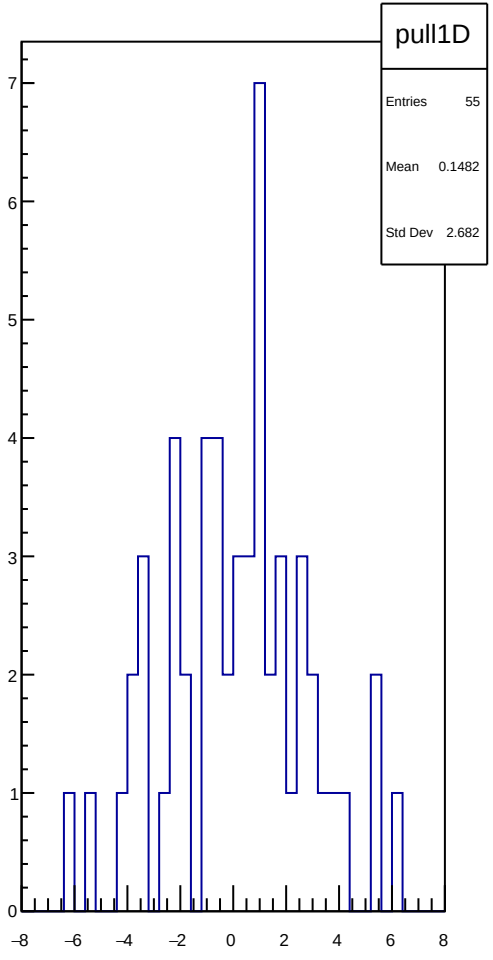

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 105.6 / 54
p0 −2.069 ± 0.04307
pull
Entries 55
Mean −6.047
Std Dev 37.93

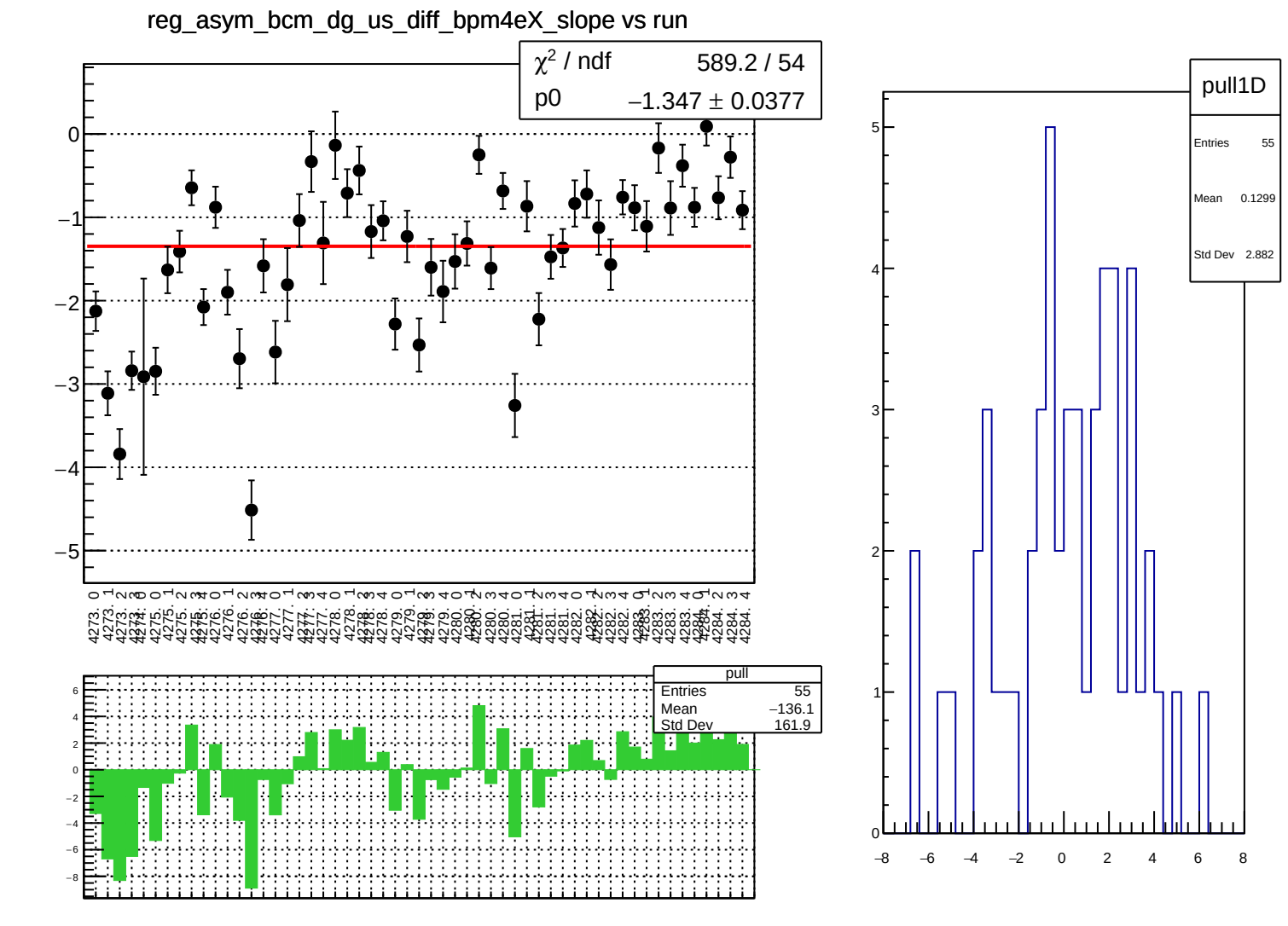

pull1D
Entries 55
Mean −0.1662
Std Dev 1.376

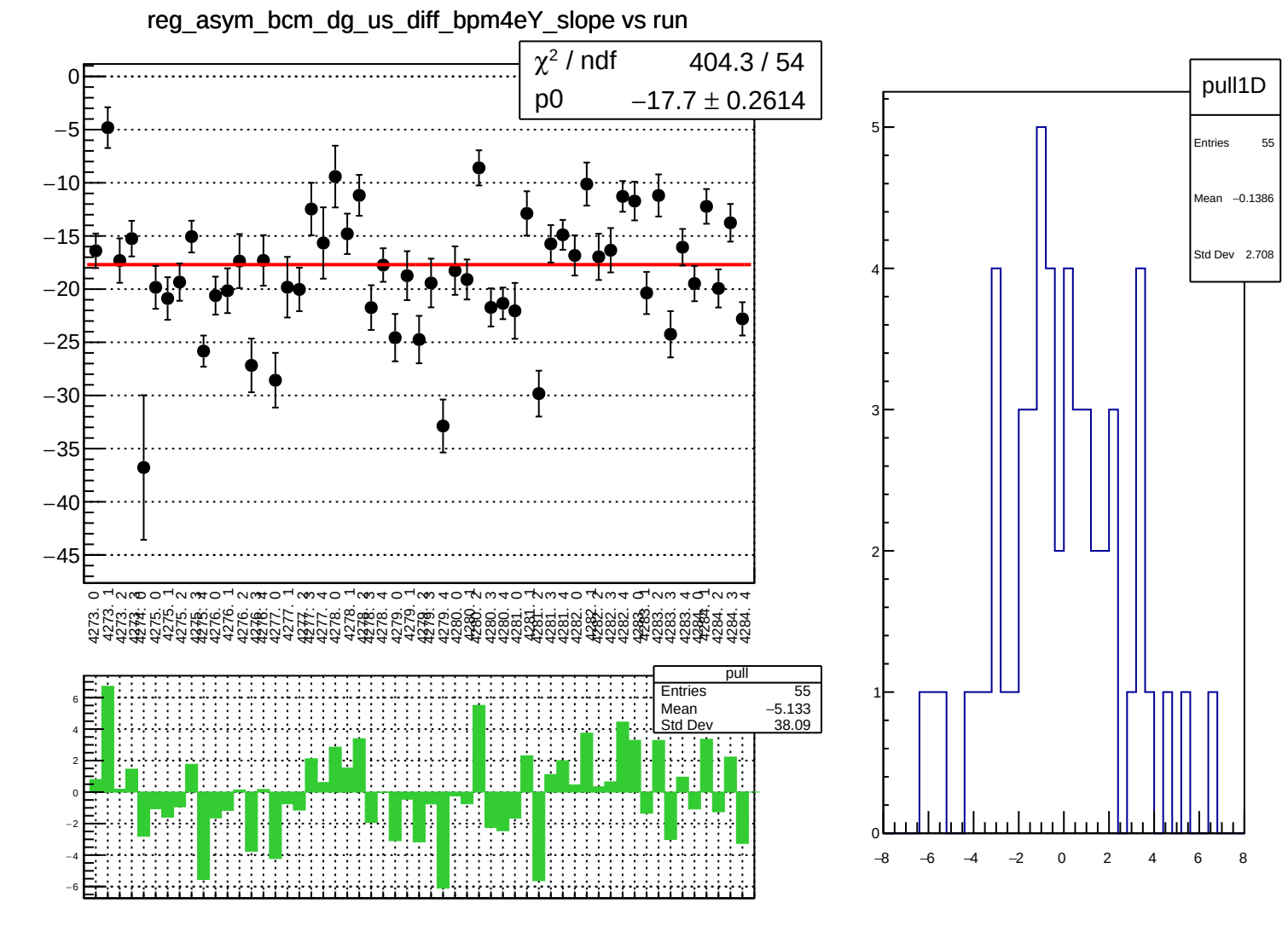

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 219.6 / 54
p0 5.616 ± 0.2176
pull
Entries 55
Mean 468.9
Std Dev 442.6

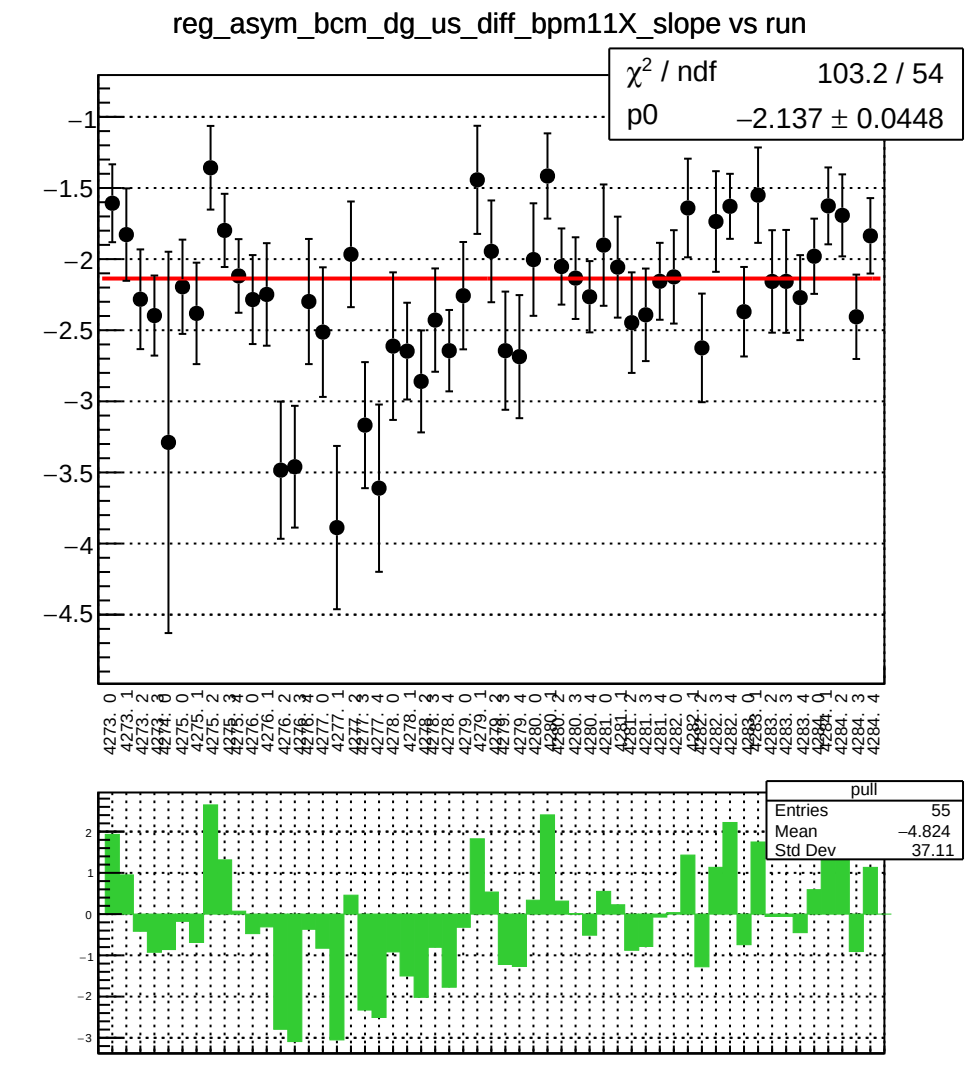

pull1D
Entries 55
Mean 0.04748
Std Dev 1.998

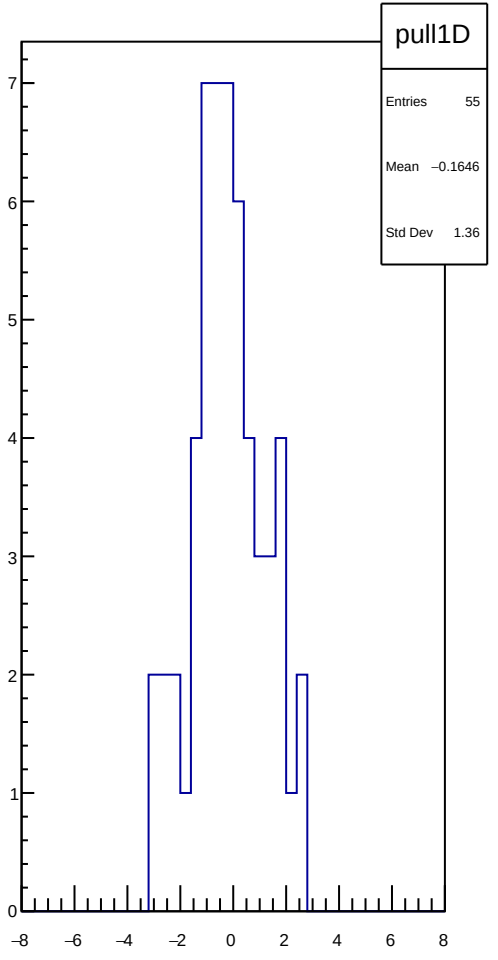

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 396.8 / 54
p0 9.372 ± 0.1529
pull
Entries 55
Mean −15.13
Std Dev 46.33

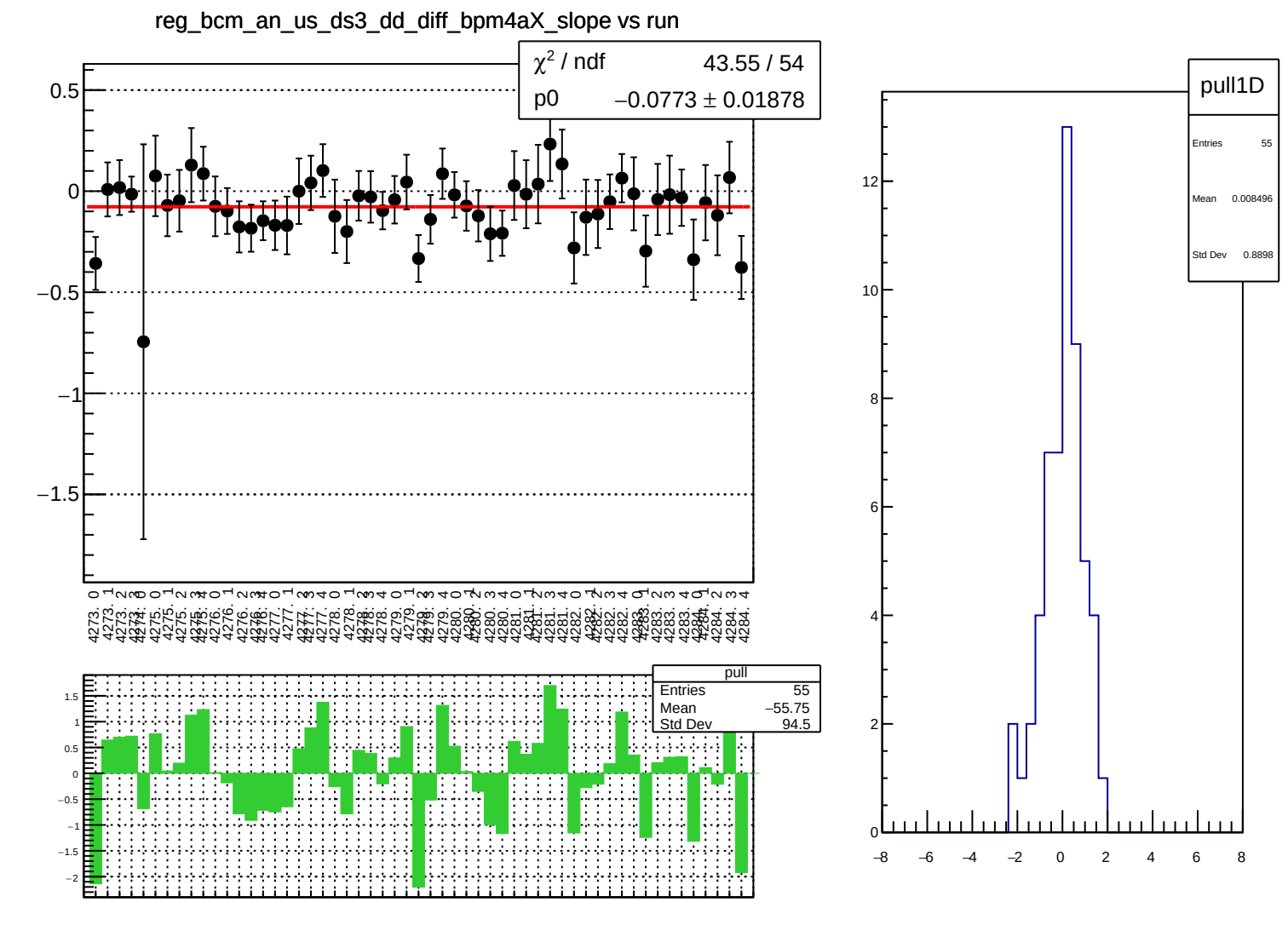

pull1D
Entries 55
Mean 0.1482
Std Dev 2.682

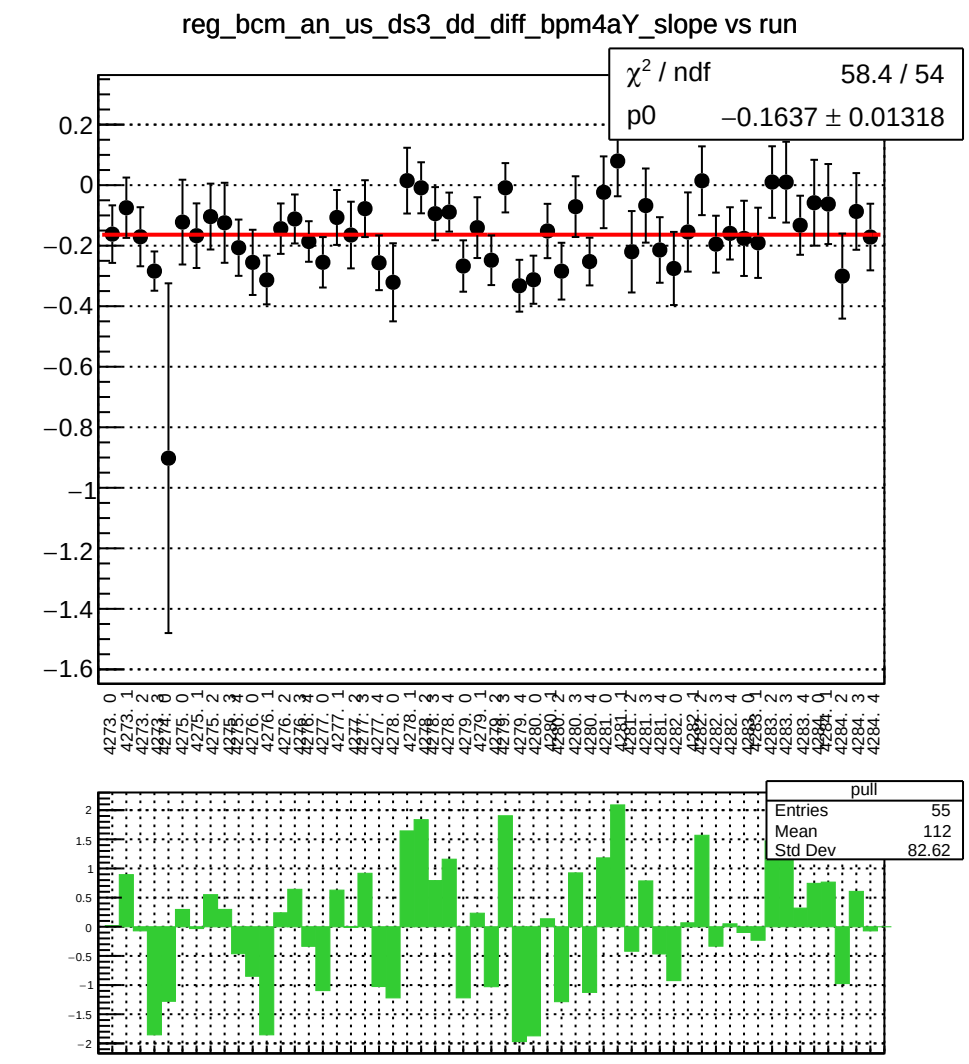

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 589.2 / 54
p0 −1.347 ± 0.0377
pull
Entries 55
Mean −136.1
Std Dev 161.9
pull1D
Entries 55
Mean 0.1299
Std Dev 2.882

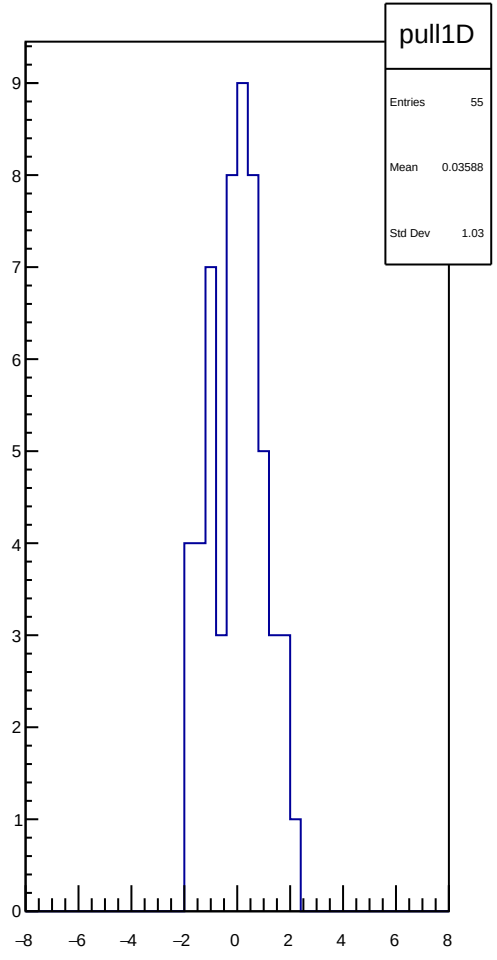

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 404.3 / 54
p0 −17.7 ± 0.2614
pull
Entries 55
Mean −5.133
Std Dev 38.09
pull1D
Entries 55
Mean −0.1386
Std Dev 2.708

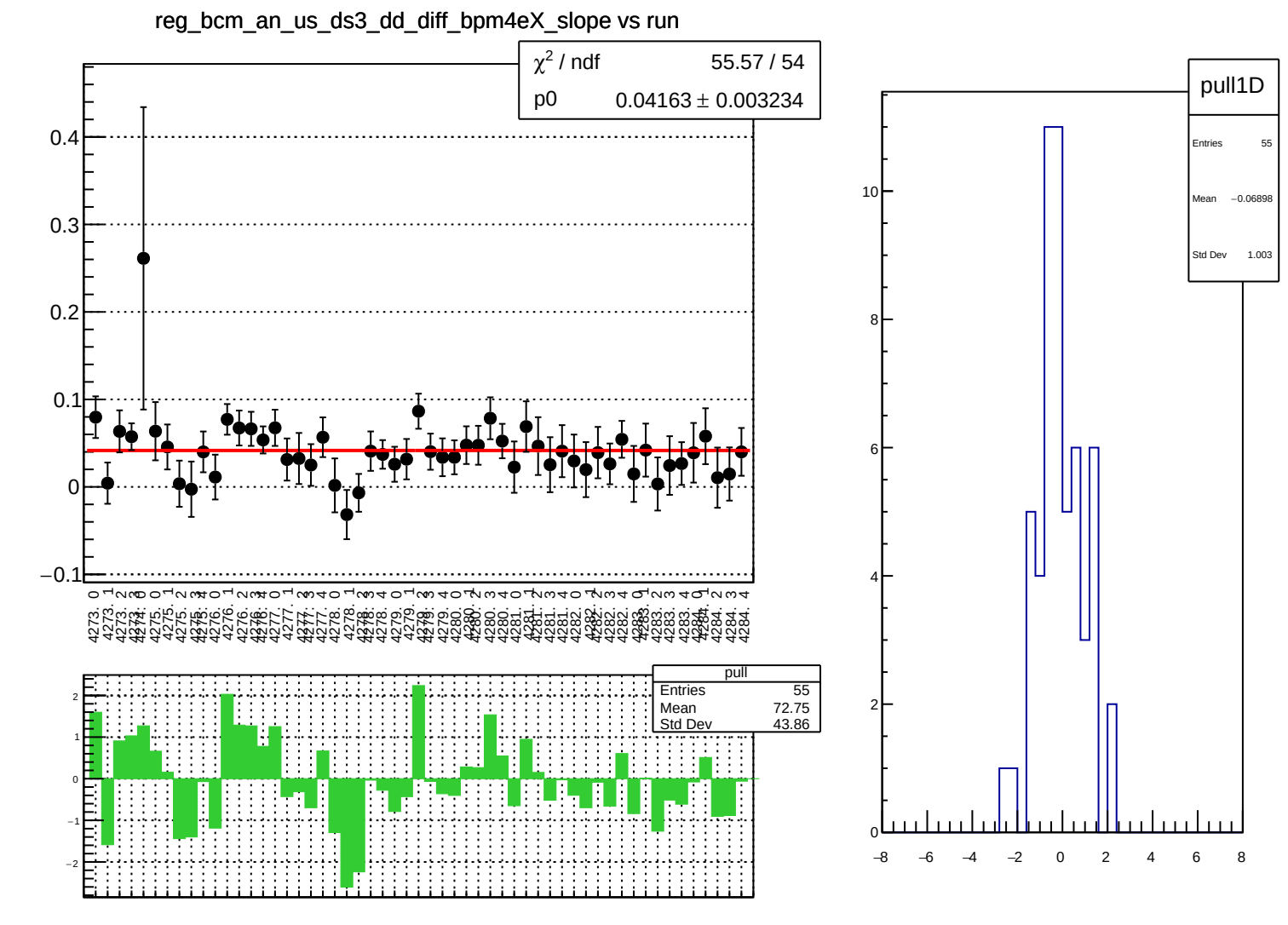

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 103.2 / 54
p0 −2.137 ± 0.0448
pull
Entries 55
Mean −4.824
Std Dev 37.11

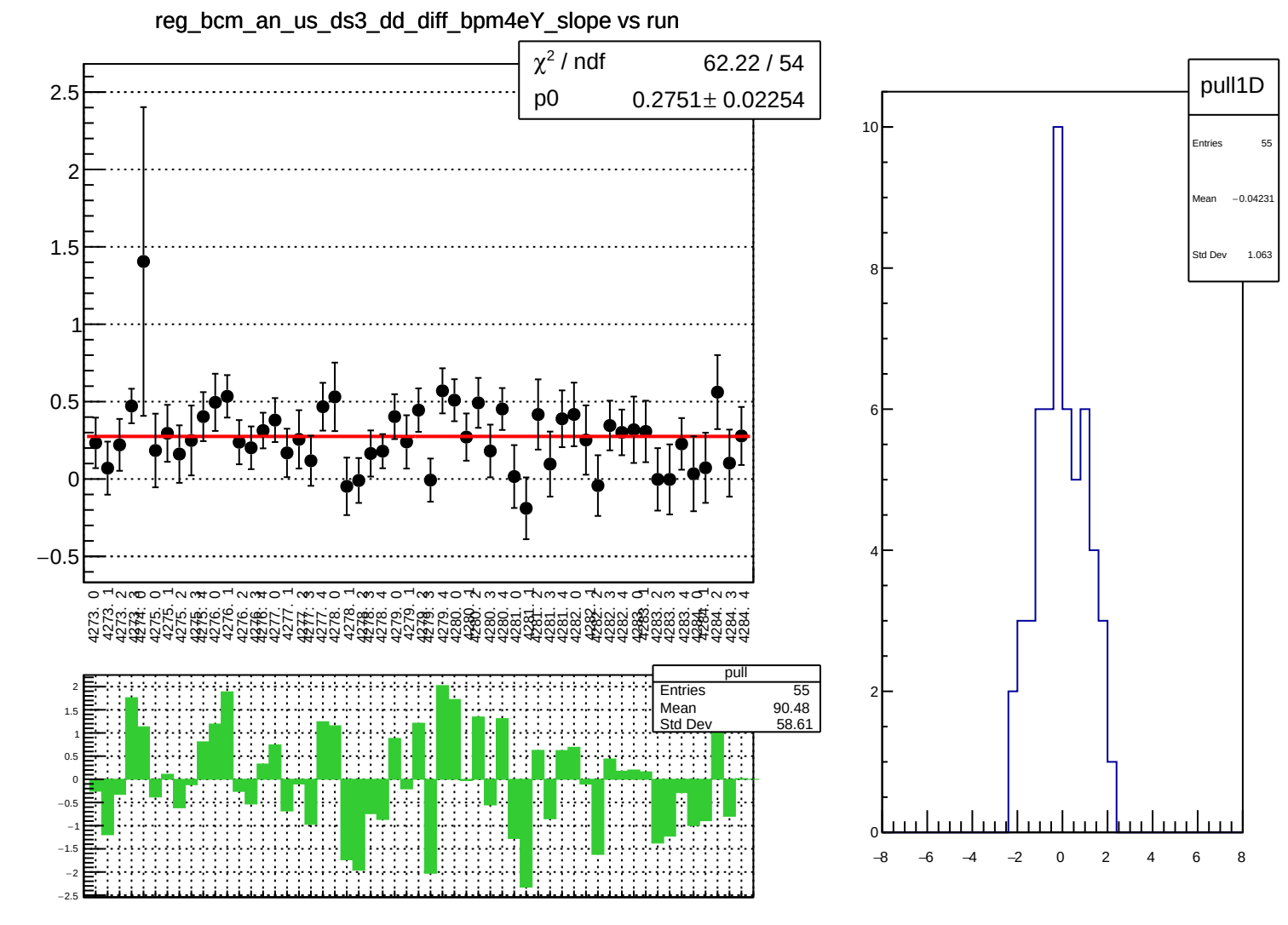

pull1D
Entries 55
Mean −0.1646
Std Dev 1.36

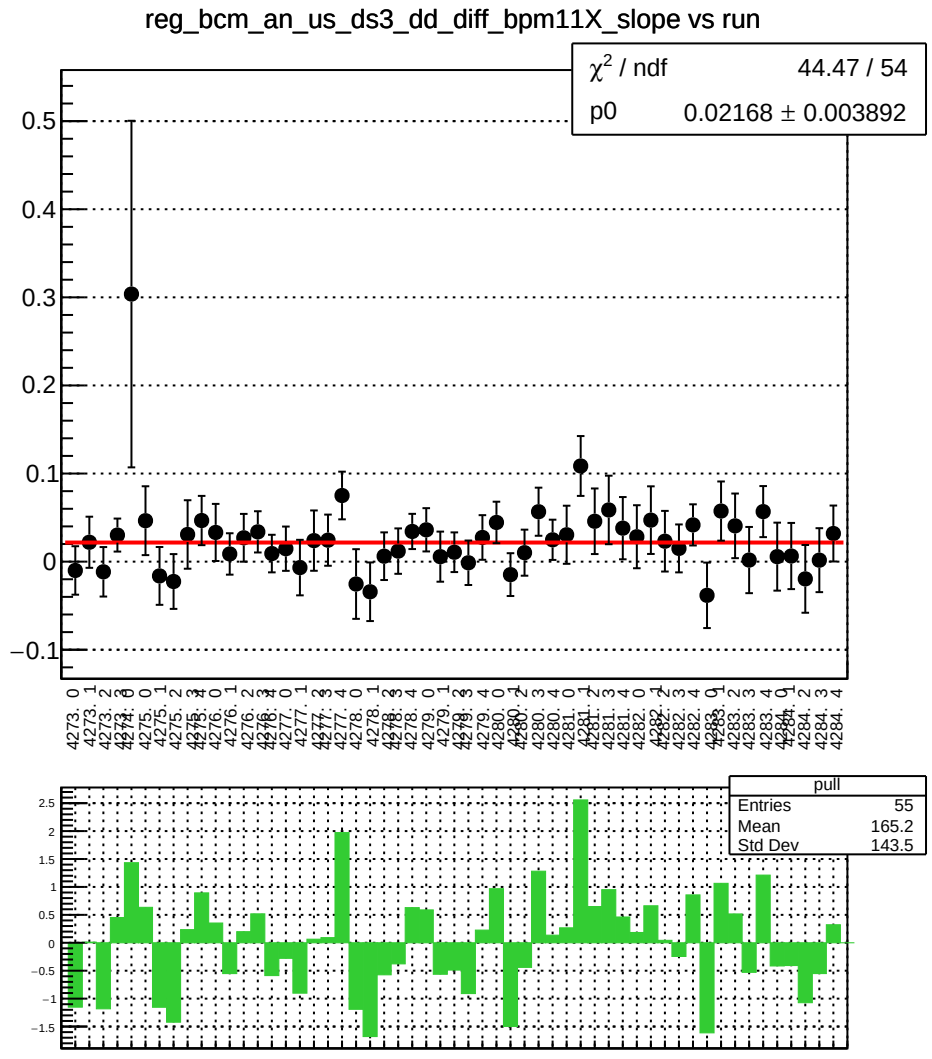

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 43.55 / 54
p0 −0.0773 ± 0.01878
pull
Entries 55
Mean −55.75
Std Dev 94.5
pull1D
Entries 55
Mean 0.008496
Std Dev 0.8898

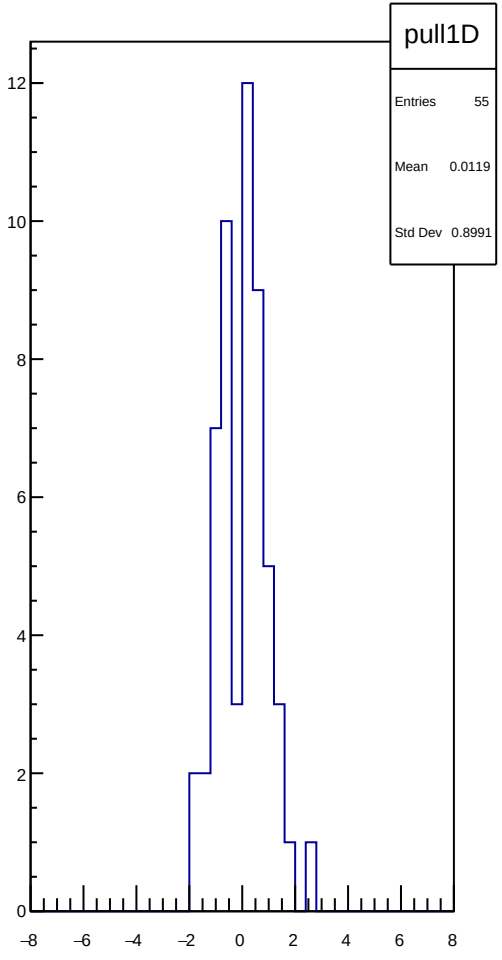

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.4 / 54
p0 −0.1637 ± 0.01318
pull
Entries 55
Mean 112
Std Dev 82.62

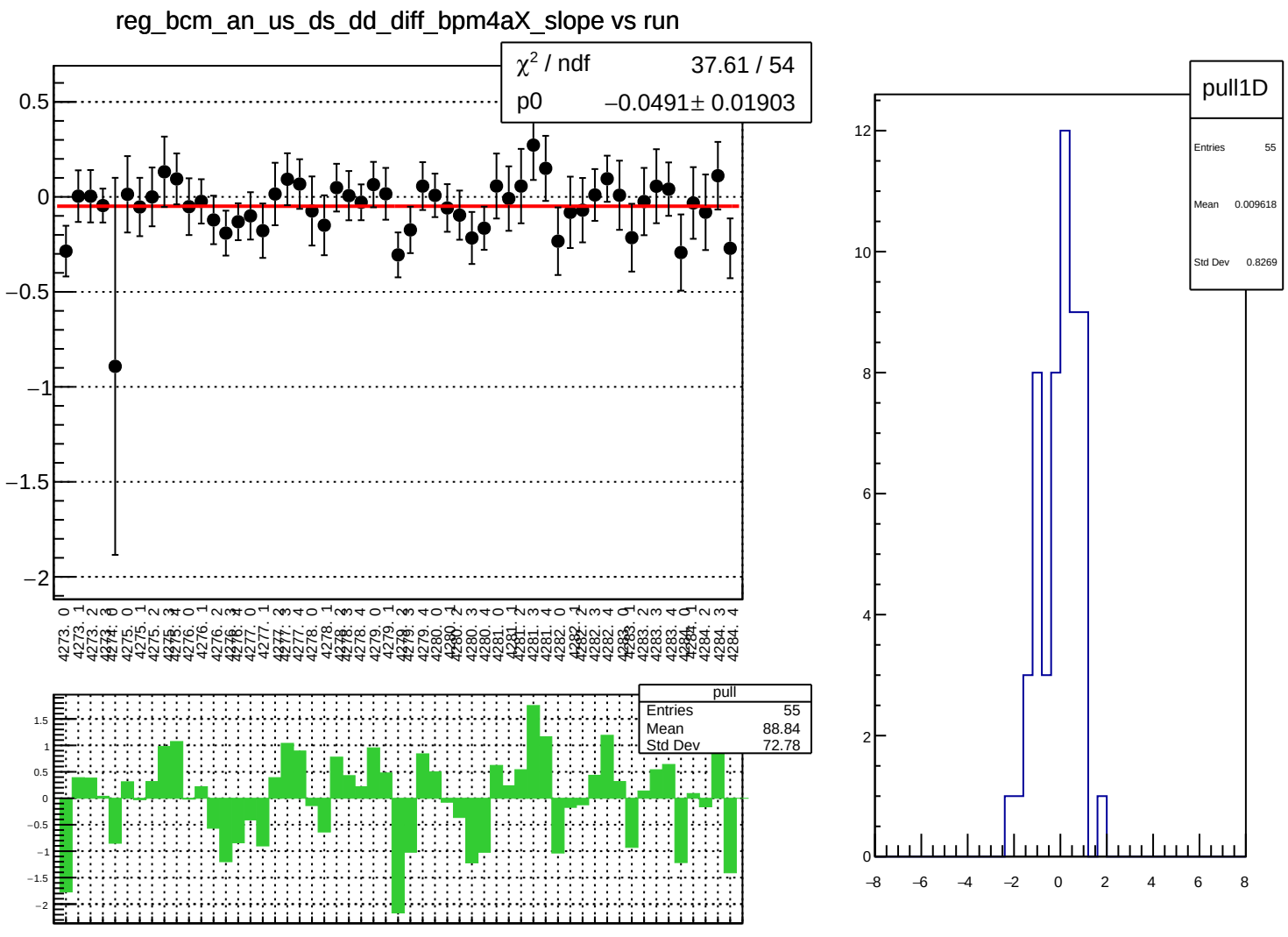

pull1D
Entries 55
Mean 0.03588
Std Dev 1.03

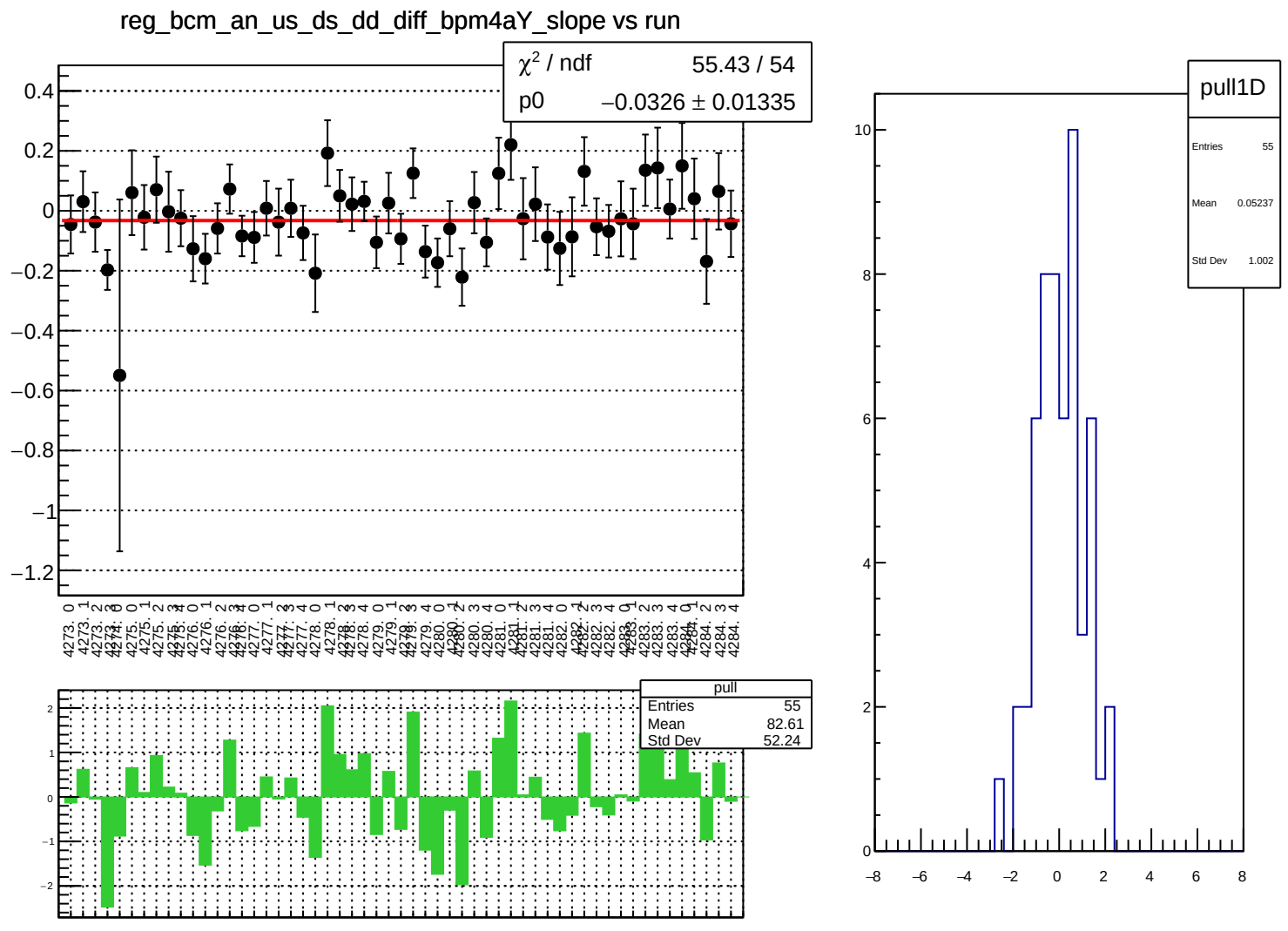

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 55.57 / 54
p0 0.04163 ± 0.003234
pull
Entries 55
Mean 72.75
Std Dev 43.86
pull1D
Entries 55
Mean −0.06898
Std Dev 1.003

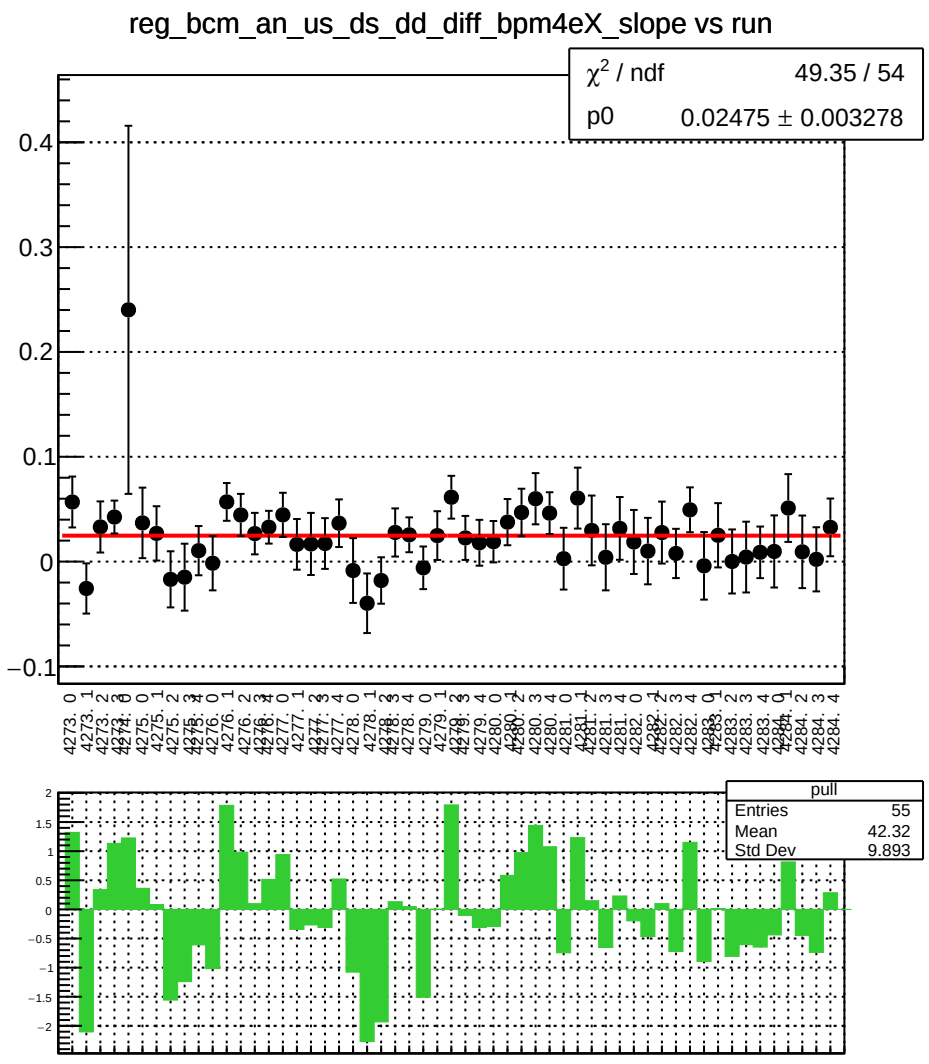

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.22 / 54
p0 0.2751± 0.02254
pull
Entries 55
Mean 90.48
Std Dev 58.61
pull1D
Entries 55
Mean −0.04231
Std Dev 1.063

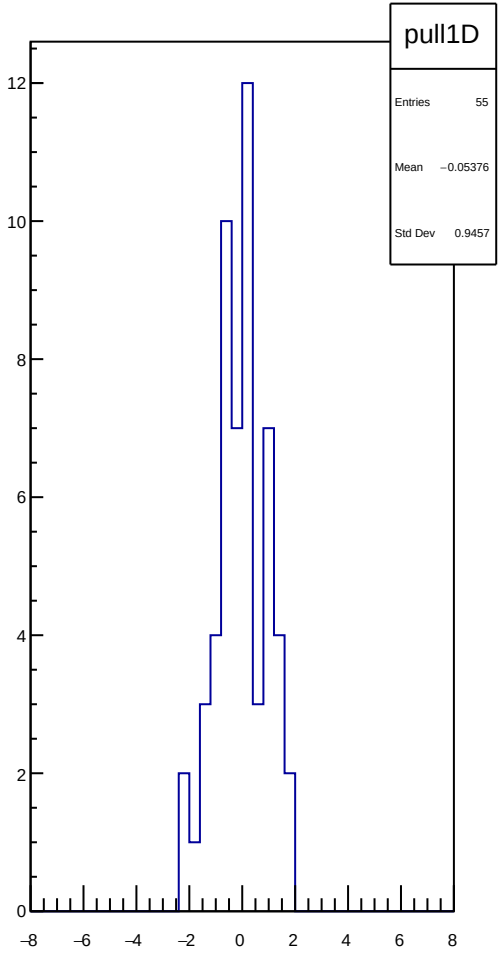

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 44.47 / 54
p0 0.02168 ± 0.003892
pull
Entries 55
Mean 165.2
Std Dev 143.5

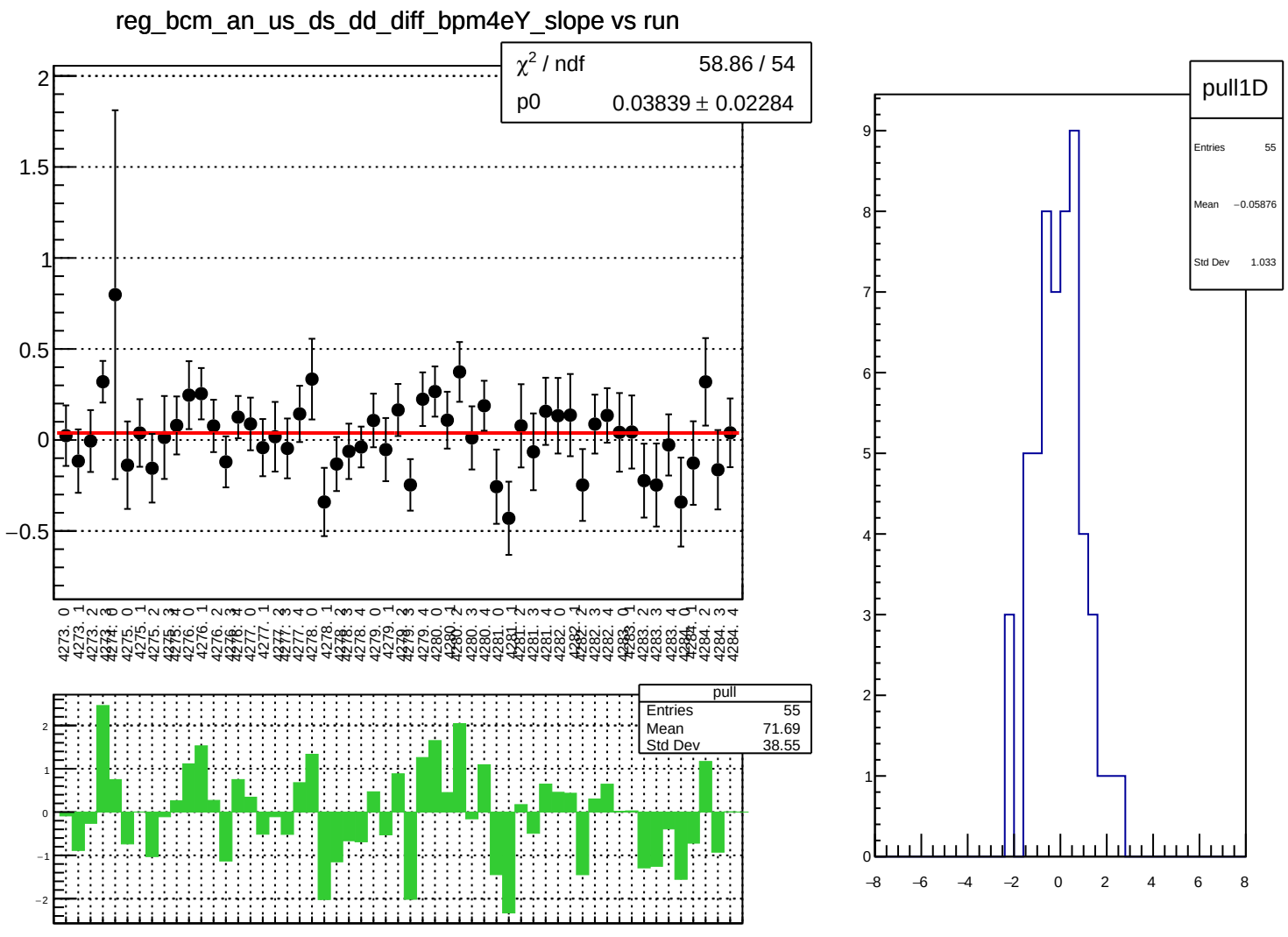

pull1D
Entries 55
Mean 0.0119
Std Dev 0.8991

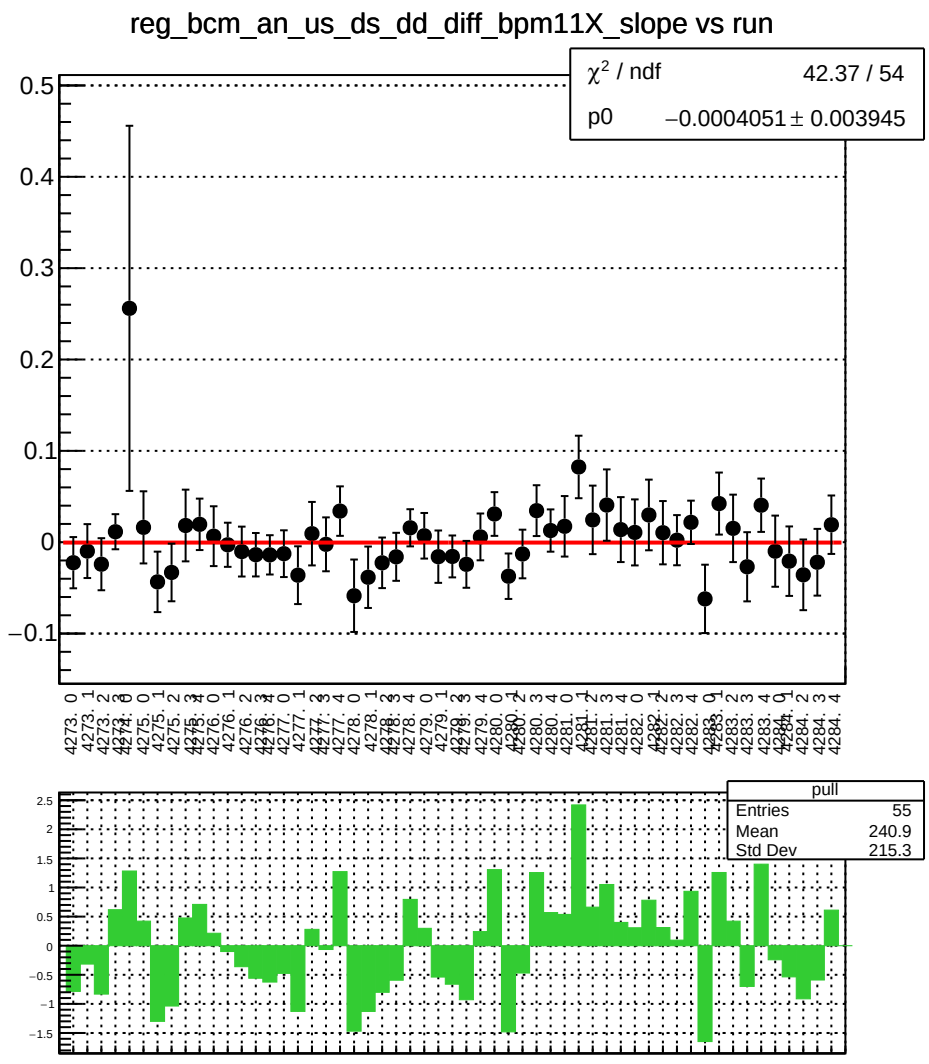

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.61 / 54
p0 −0.0491± 0.01903
pull
Entries 55
Mean 88.84
Std Dev 72.78
pull1D
Entries 55
Mean 0.009618
Std Dev 0.8269

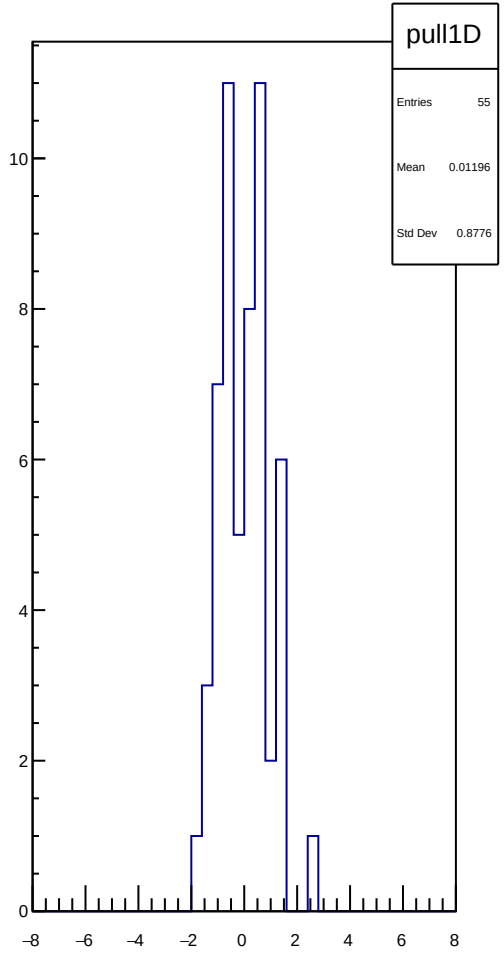

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.43 / 54
p0 −0.0326 ± 0.01335
pull
Entries 55
Mean 82.61
Std Dev 52.24
pull1D
Entries 55
Mean 0.05237
Std Dev 1.002

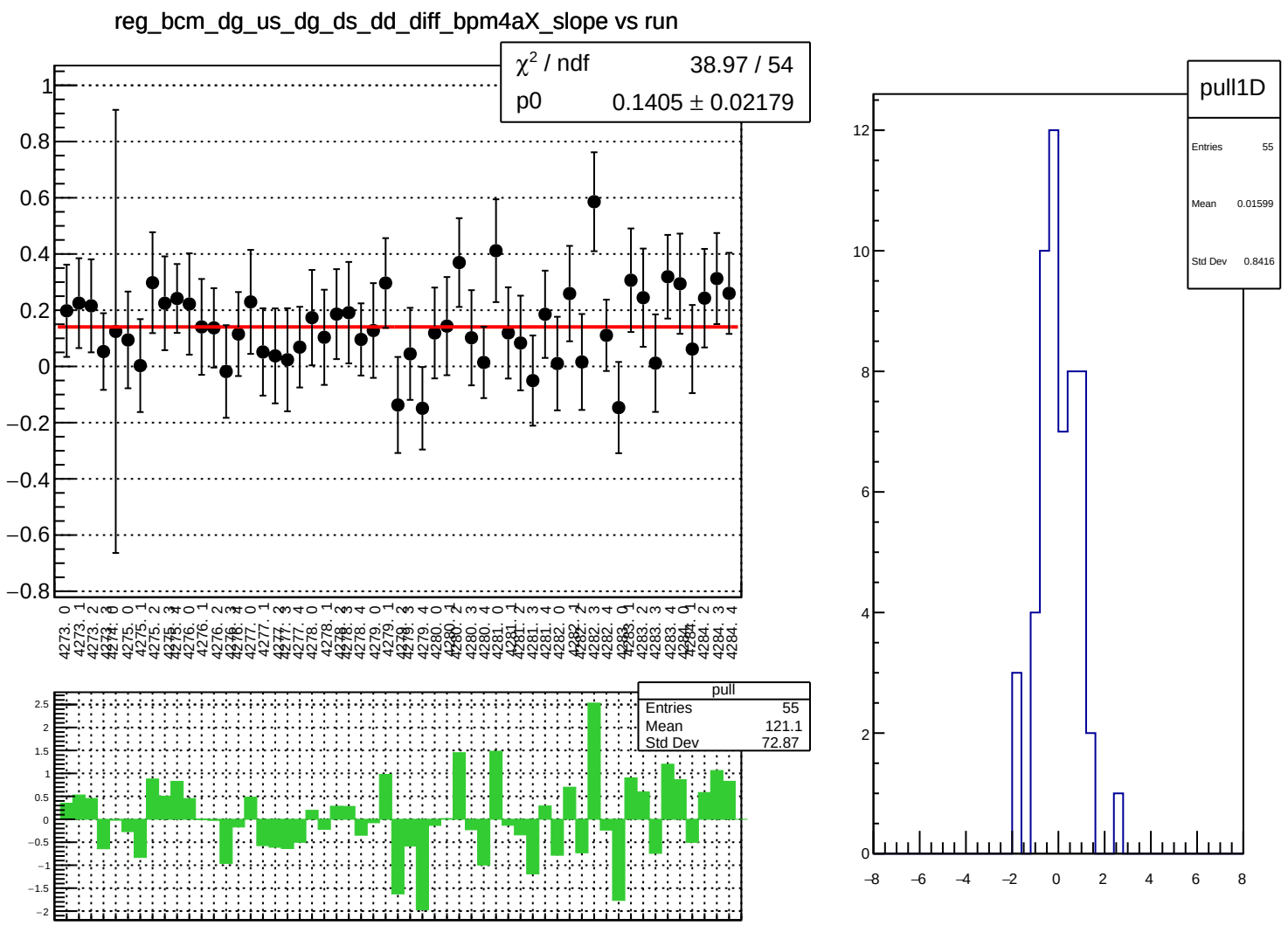

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.35 / 54
p0 0.02475 ± 0.003278
pull
Entries 55
Mean 42.32
Std Dev 9.893

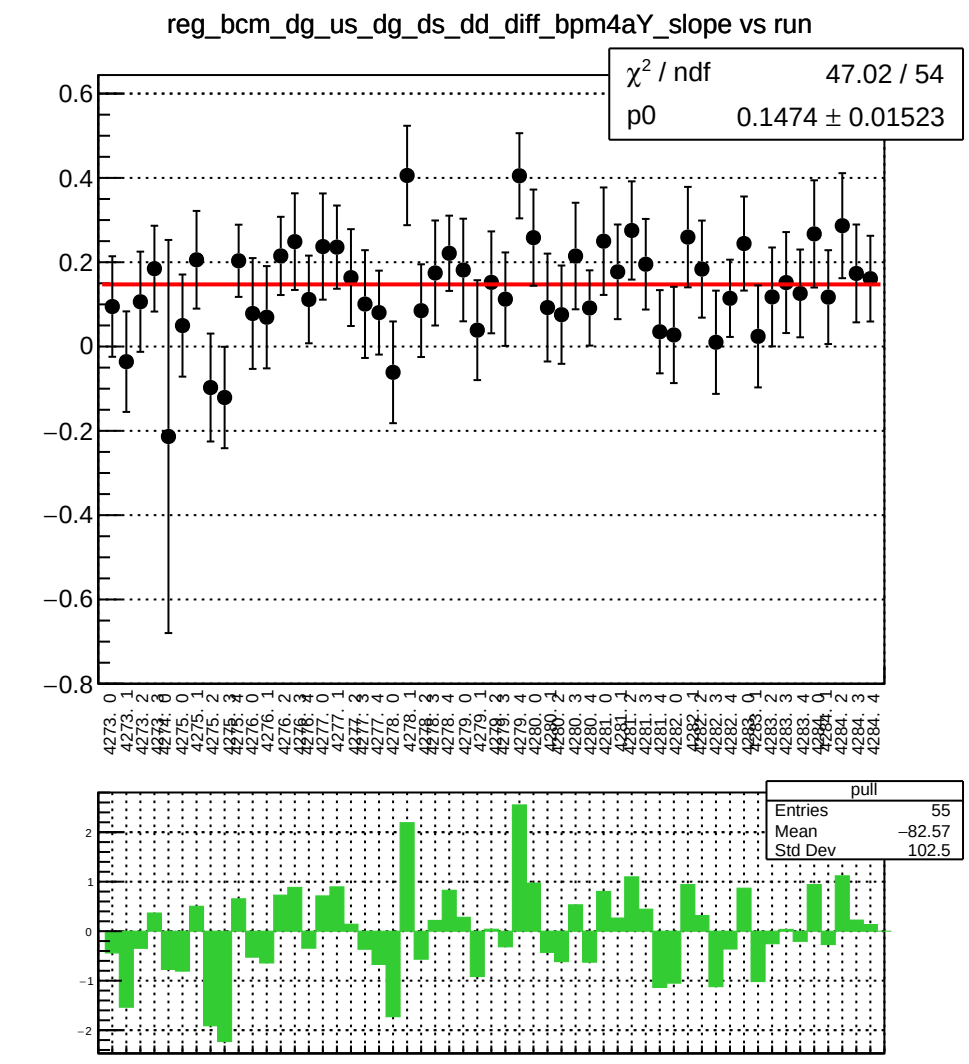

pull1D
Entries 55
Mean −0.05376
Std Dev 0.9457

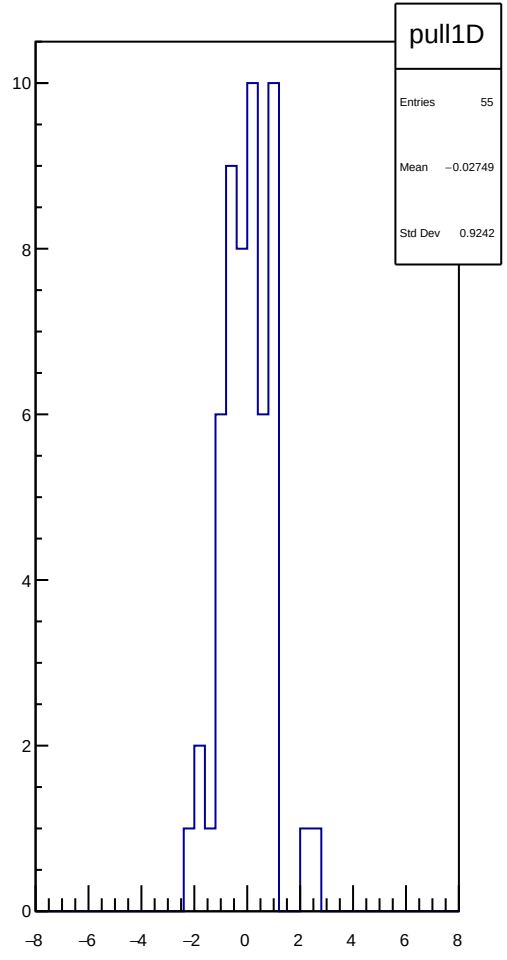

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.86 / 54
p0 0.03839 ± 0.02284
pull
Entries 55
Mean 71.69
Std Dev 38.55
pull1D
Entries 55
Mean −0.05876
Std Dev 1.033

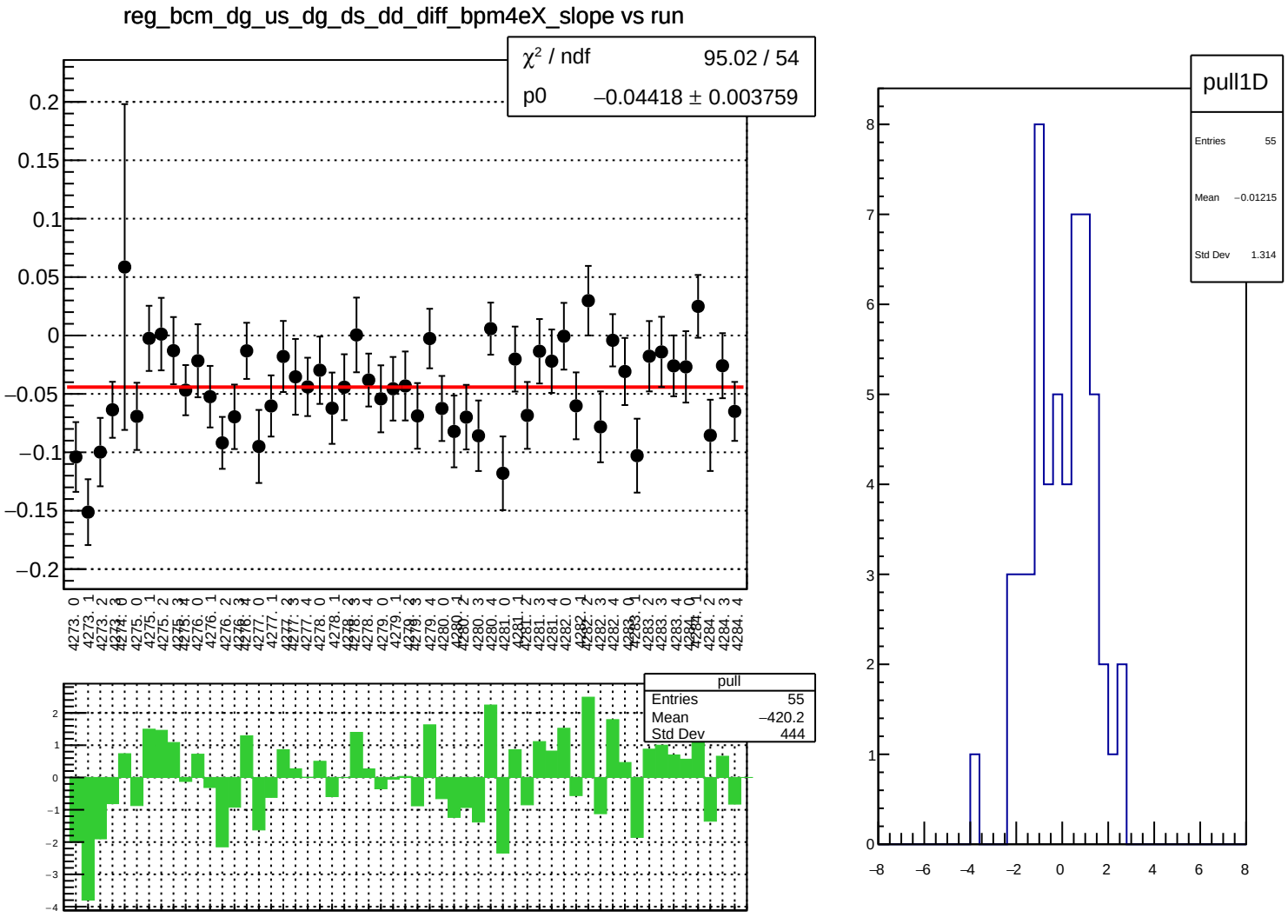

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 42.37 / 54
p0 −0.0004051 ± 0.003945
pull
Entries 55
Mean 240.9
Std Dev 215.3

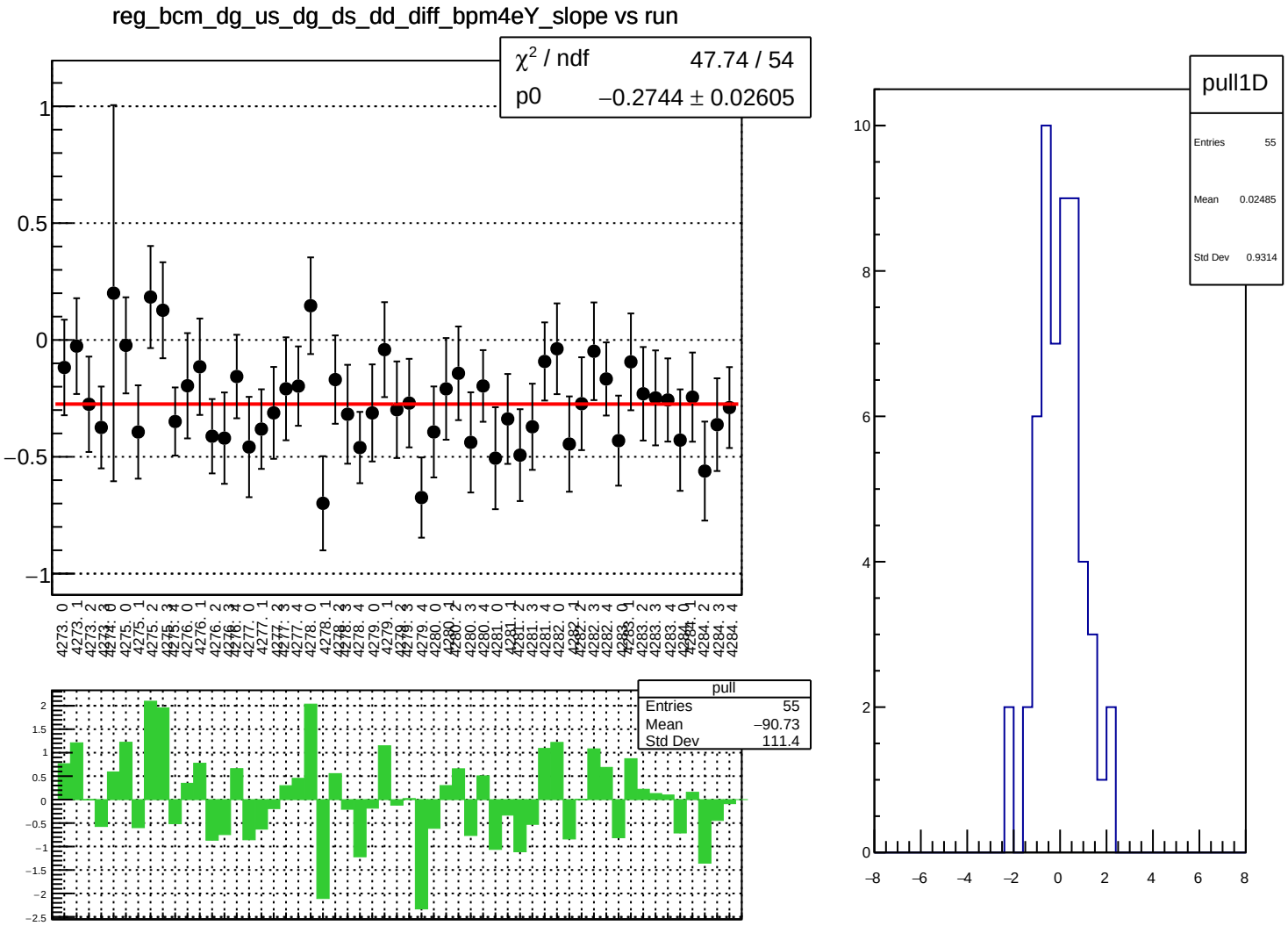

pull1D
Entries 55
Mean 0.01196
Std Dev 0.8776

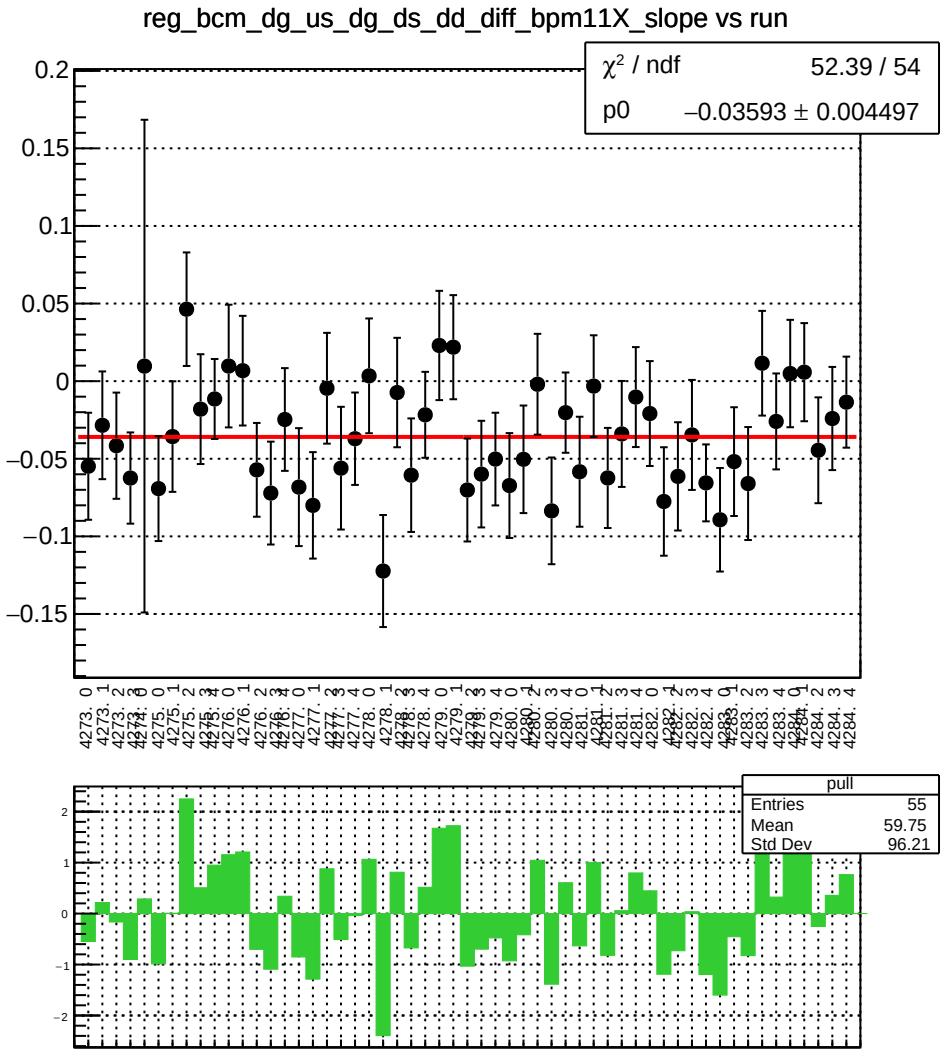

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 38.97 / 54
p0 0.1405 ± 0.02179
pull
Entries 55
Mean 121.1
Std Dev 72.87
pull1D
Entries 55
Mean 0.01599
Std Dev 0.8416

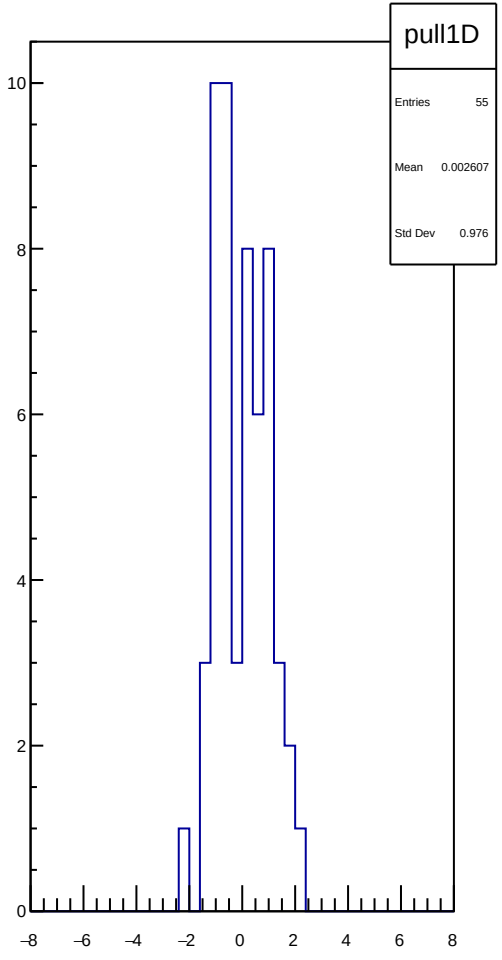

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.02 / 54
p0 0.1474 ± 0.01523
pull
Entries 55
Mean −82.57
Std Dev 102.5

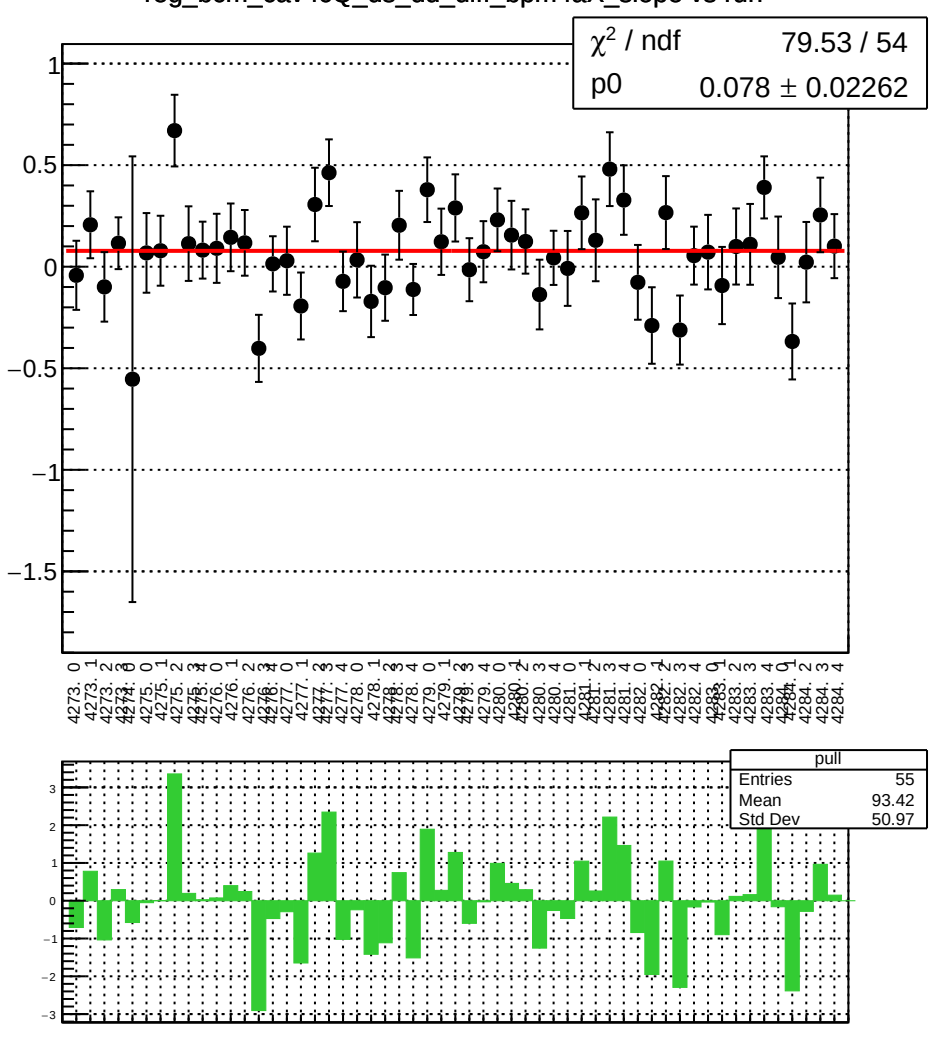

pull1D
Entries 55
Mean −0.02749
Std Dev 0.9242

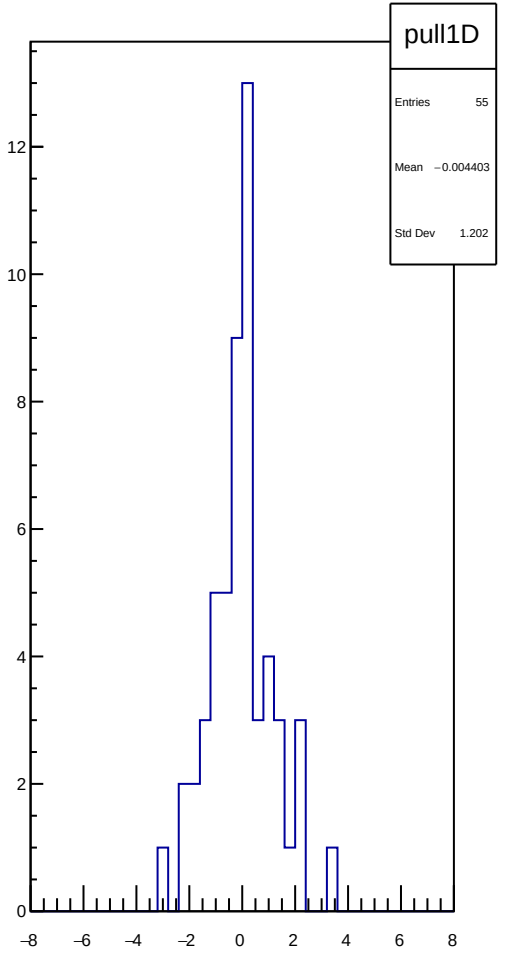

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 95.02 / 54
p0 −0.04418 ± 0.003759
pull
Entries 55
Mean −420.2
Std Dev 444
pull1D
Entries 55
Mean −0.01215
Std Dev 1.314

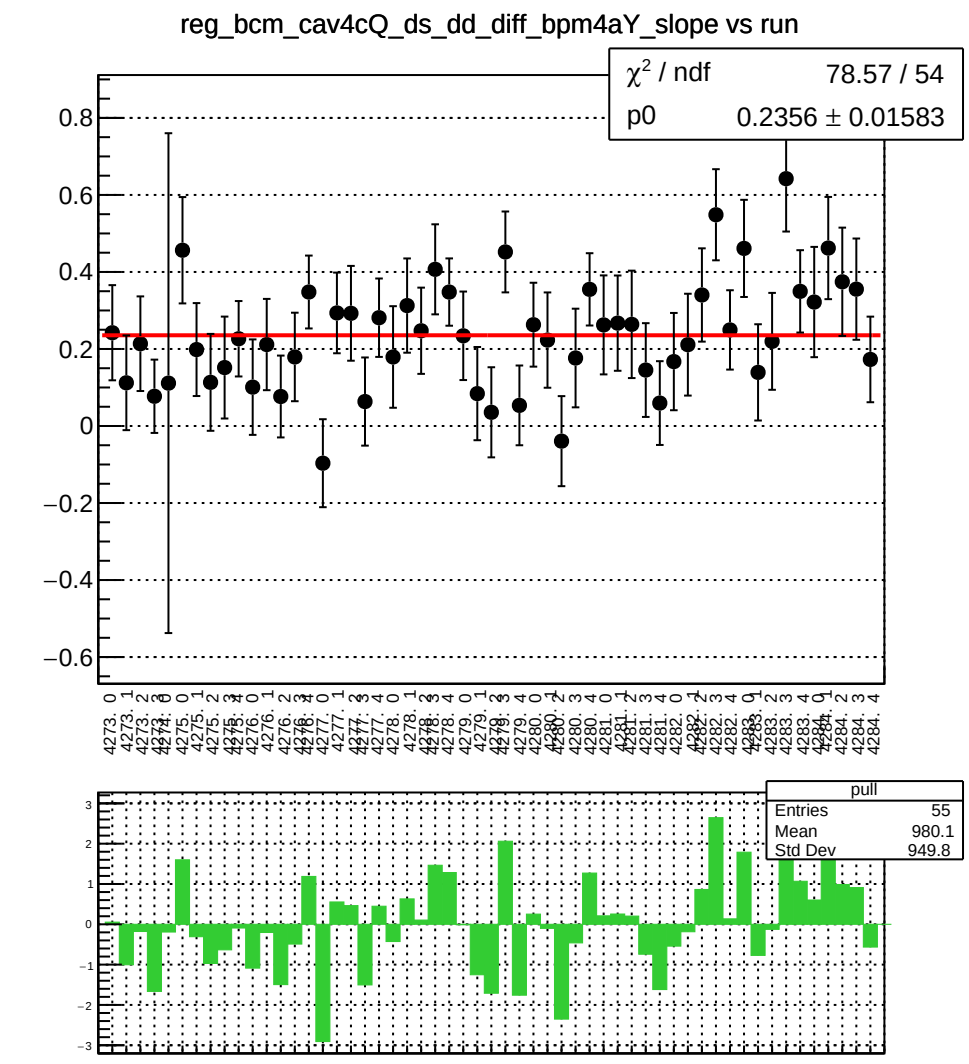

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.74 / 54
p0 −0.2744 ± 0.02605
pull
Entries 55
Mean −90.73
Std Dev 111.4
pull1D
Entries 55
Mean 0.02485
Std Dev 0.9314

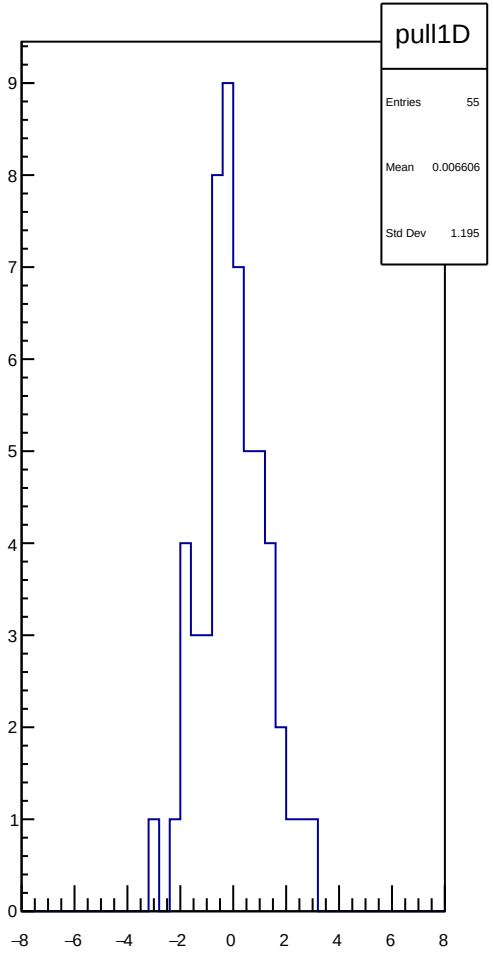

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 52.39 / 54
p0 −0.03593 ± 0.004497
pull
Entries 55
Mean 59.75
Std Dev 96.21

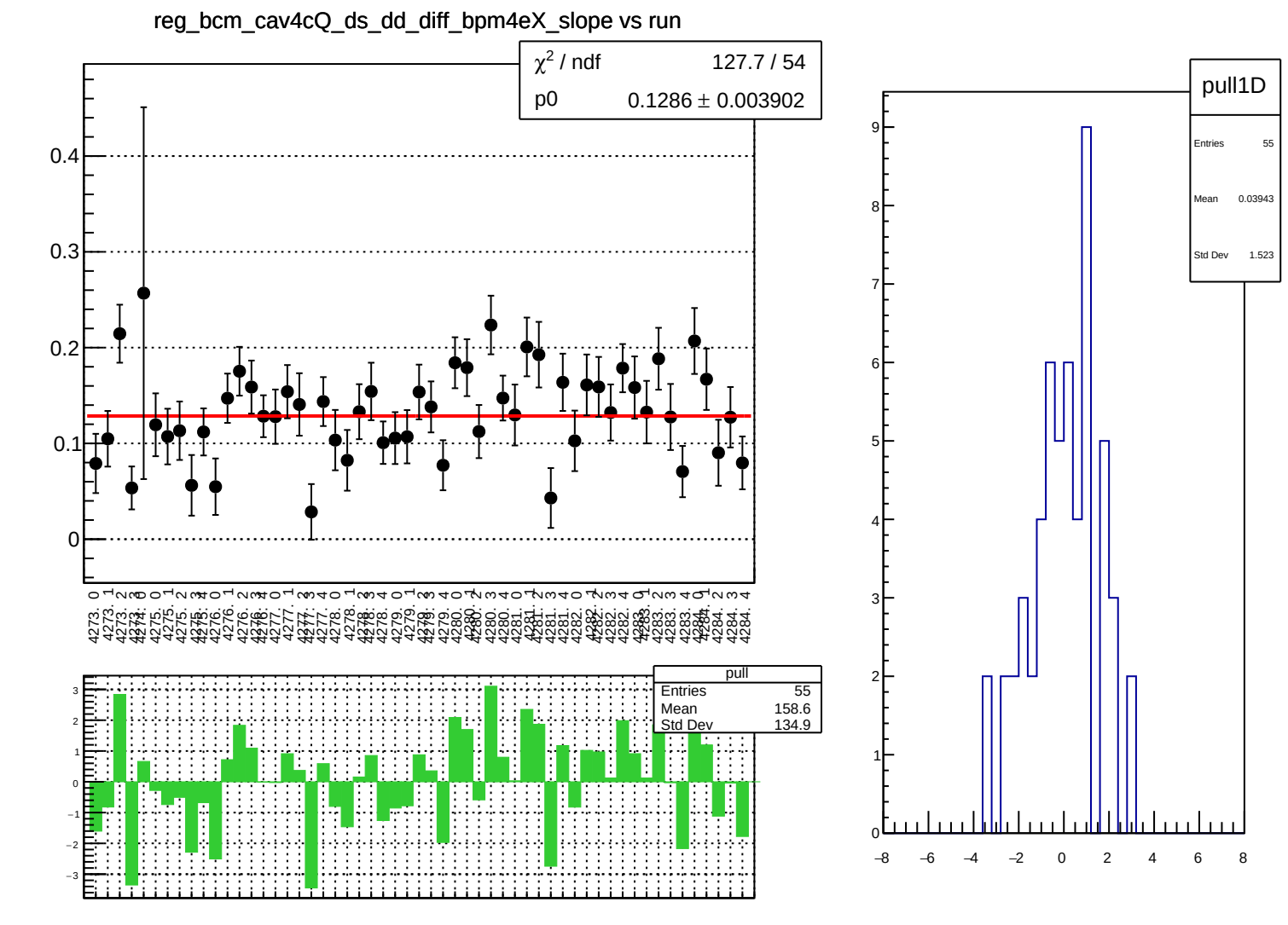

pull1D
Entries 55
Mean 0.002607
Std Dev 0.976

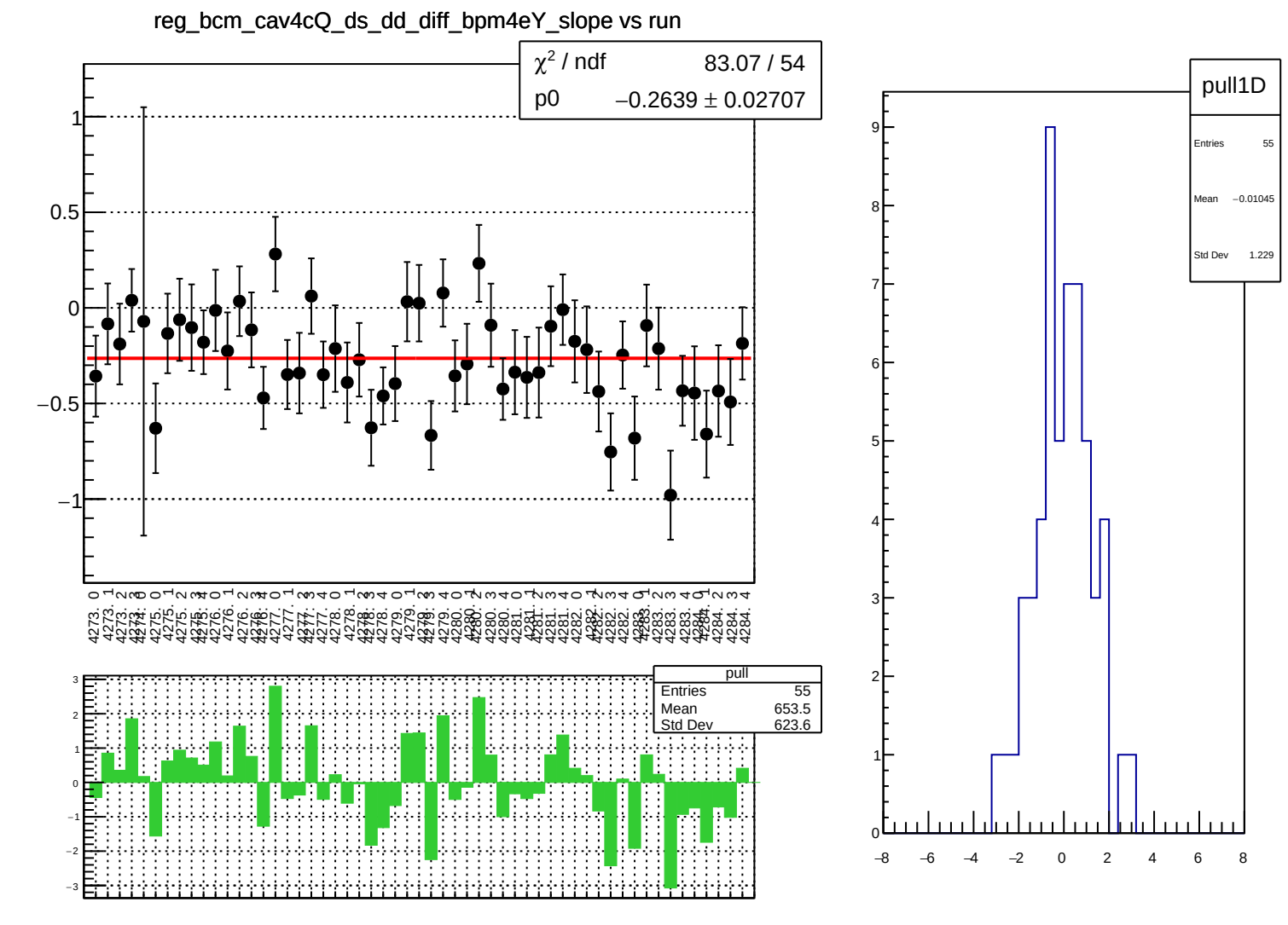

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 79.53 / 54
p0 0.078 ± 0.02262
pull
Entries 55
Mean 93.42
Std Dev 50.97

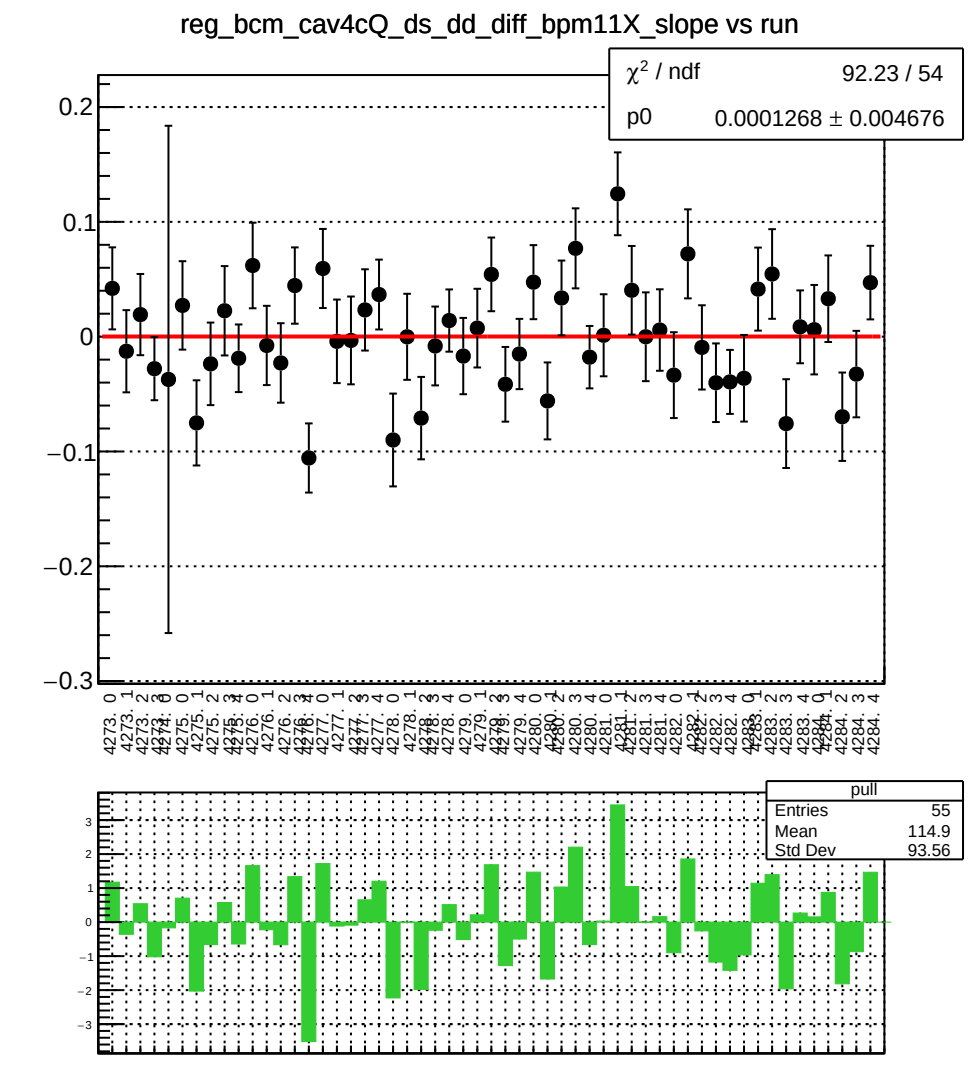

pull1D
Entries 55
Mean −0.004403
Std Dev 1.202

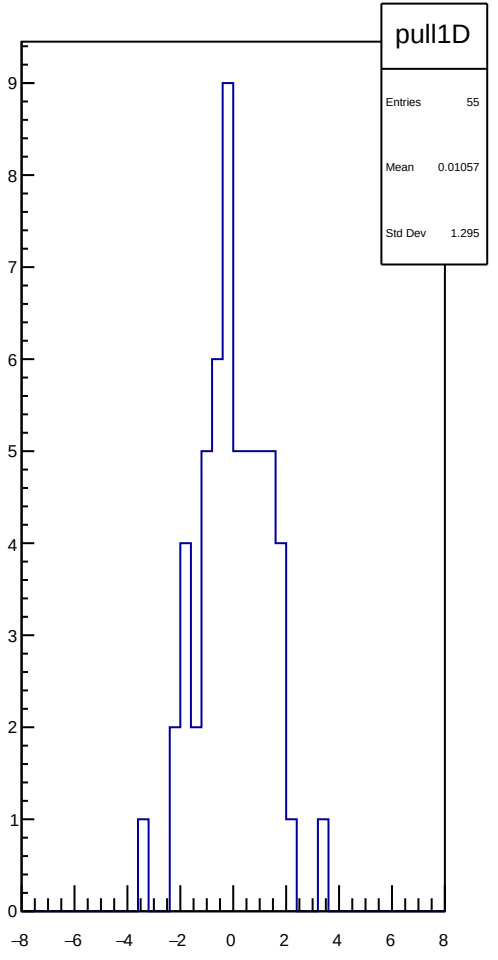

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.57 / 54
p0 0.2356 ± 0.01583
pull
Entries 55
Mean 980.1
Std Dev 949.8

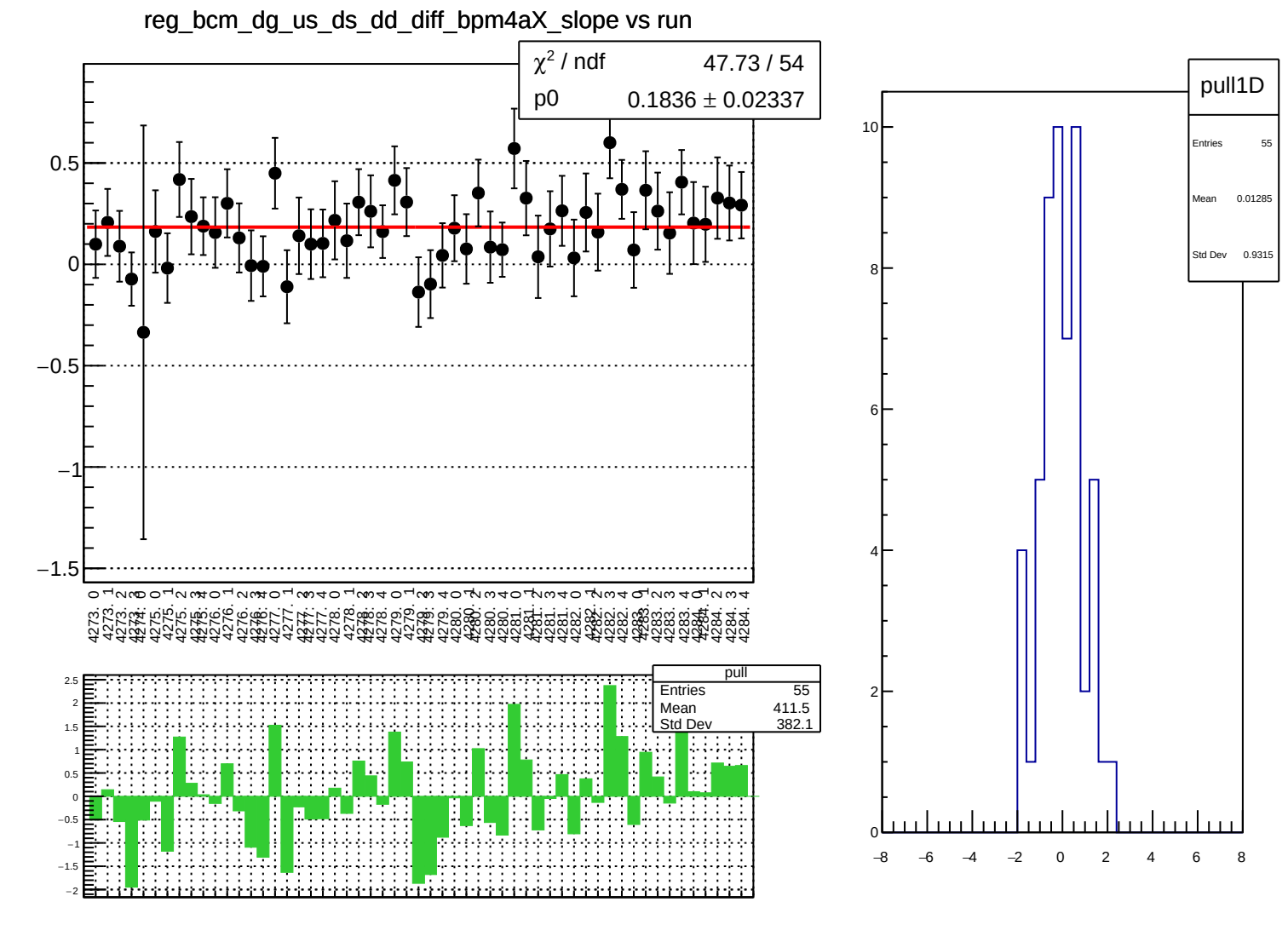

pull1D
Entries 55
Mean 0.006606
Std Dev 1.195

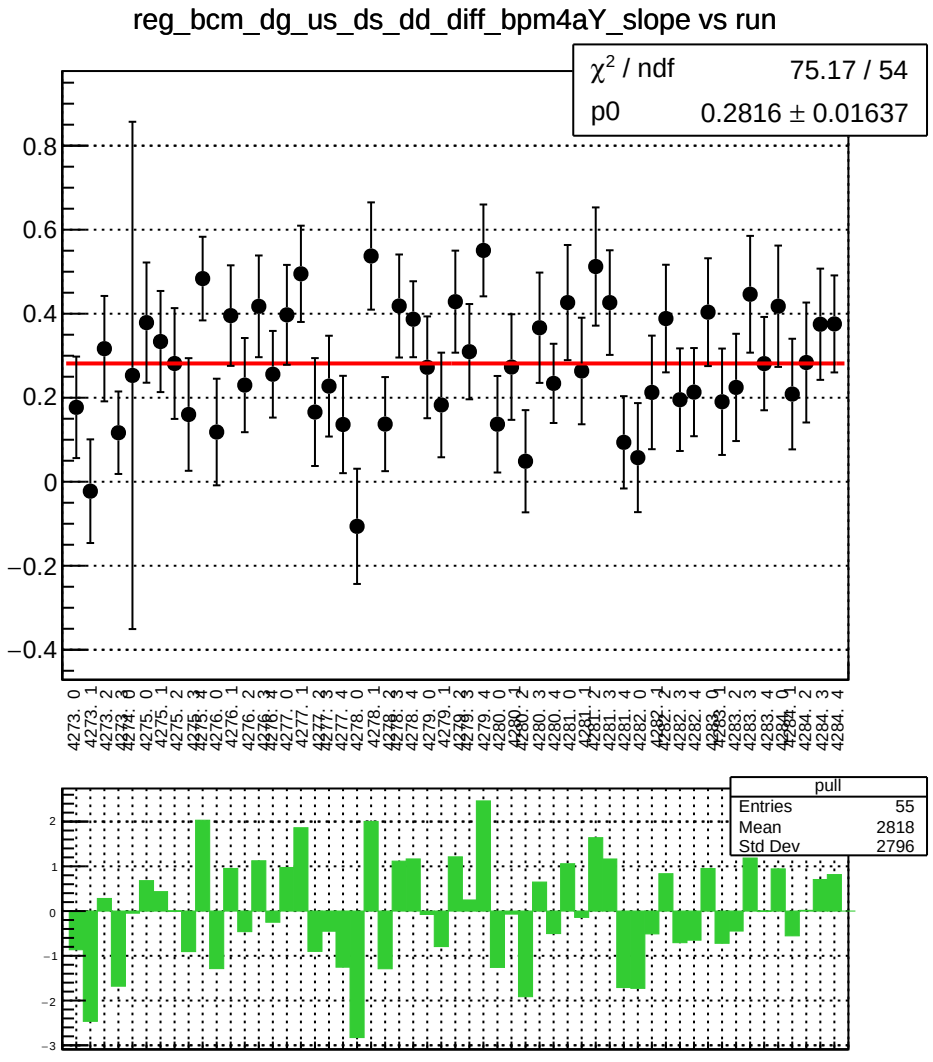

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 127.7 / 54
p0 0.1286 ± 0.003902
pull
Entries 55
Mean 158.6
Std Dev 134.9
pull1D
Entries 55
Mean 0.03943
Std Dev 1.523

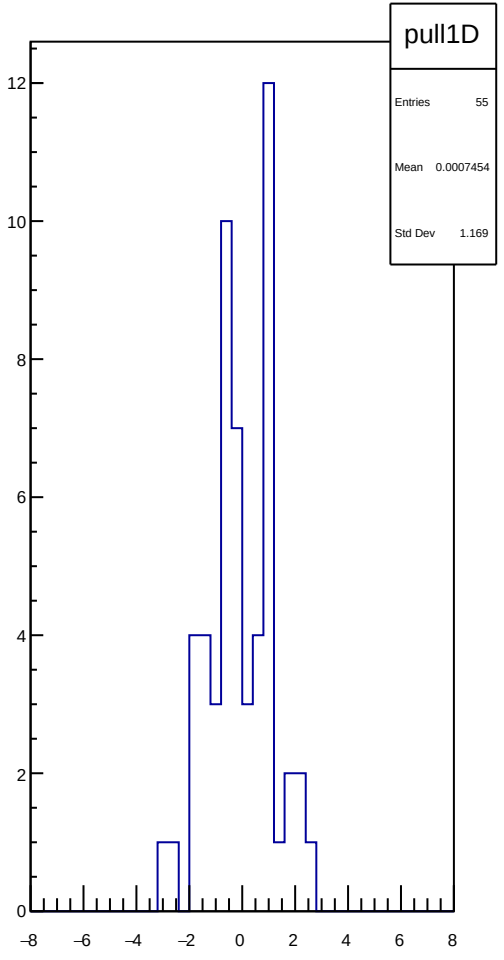

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 83.07 / 54
p0 −0.2639 ± 0.02707
pull
Entries 55
Mean 653.5
Std Dev 623.6
pull1D
Entries 55
Mean −0.01045
Std Dev 1.229

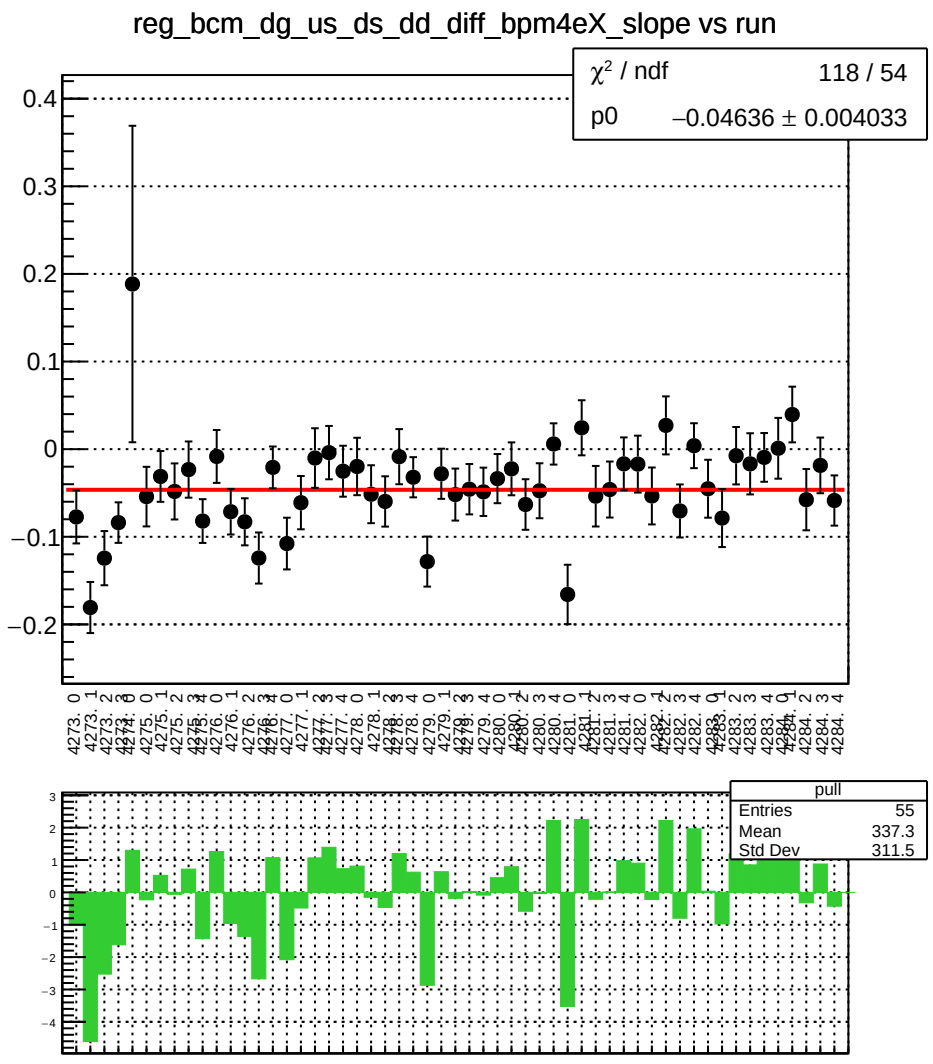

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 92.23 / 54
p0 0.0001268 ± 0.004676
pull
Entries 55
Mean 114.9
Std Dev 93.56

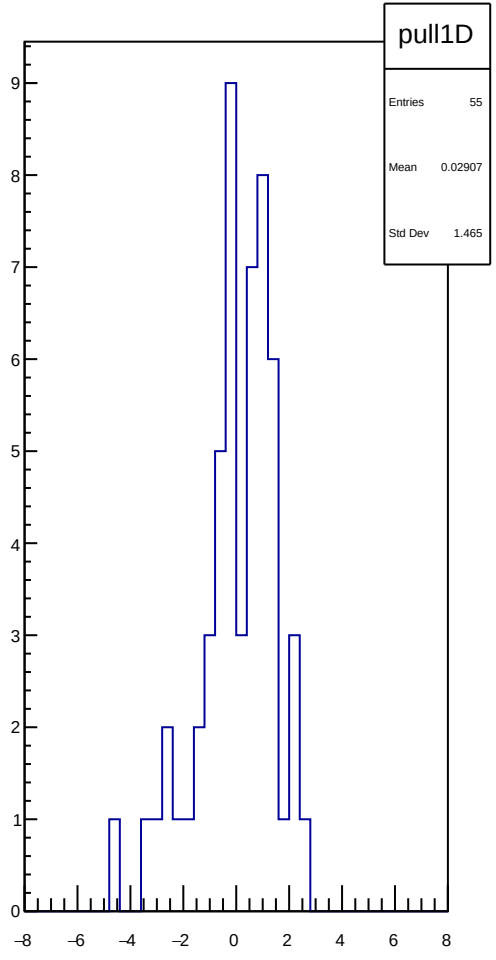

pull1D
Entries 55
Mean 0.01057
Std Dev 1.295

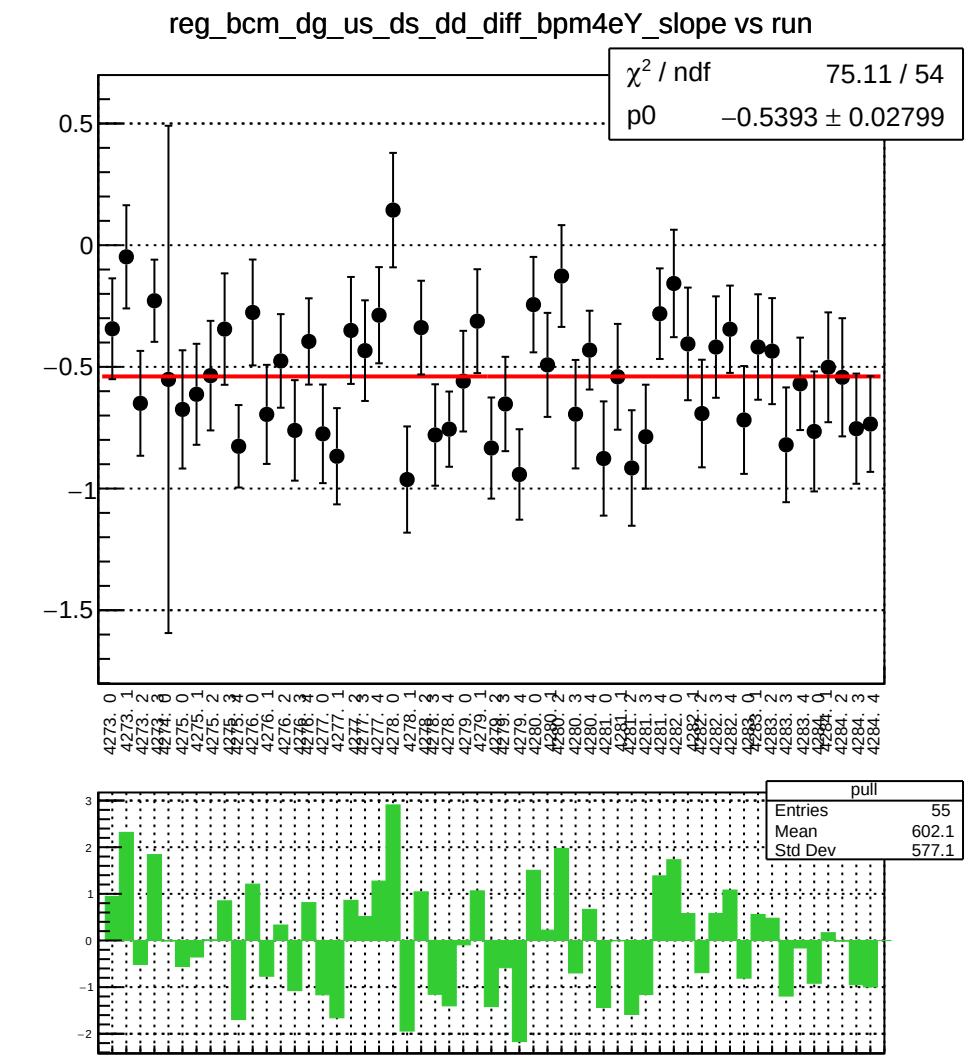

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 47.73 / 54
p0 0.1836 ± 0.02337
pull
Entries 55
Mean 411.5
Std Dev 382.1
pull1D
Entries 55
Mean 0.01285
Std Dev 0.9315

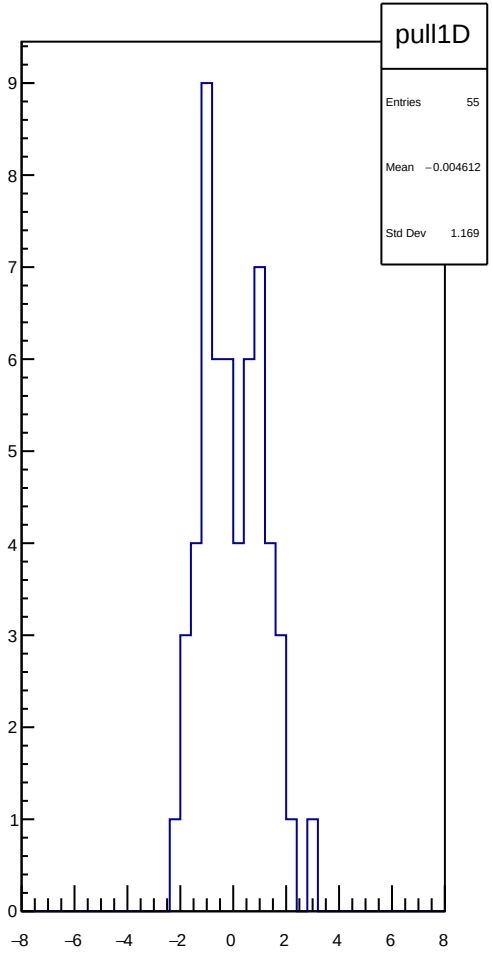

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.17 / 54
p0 0.2816 ± 0.01637
pull
Entries 55
Mean 2818
Std Dev 2796

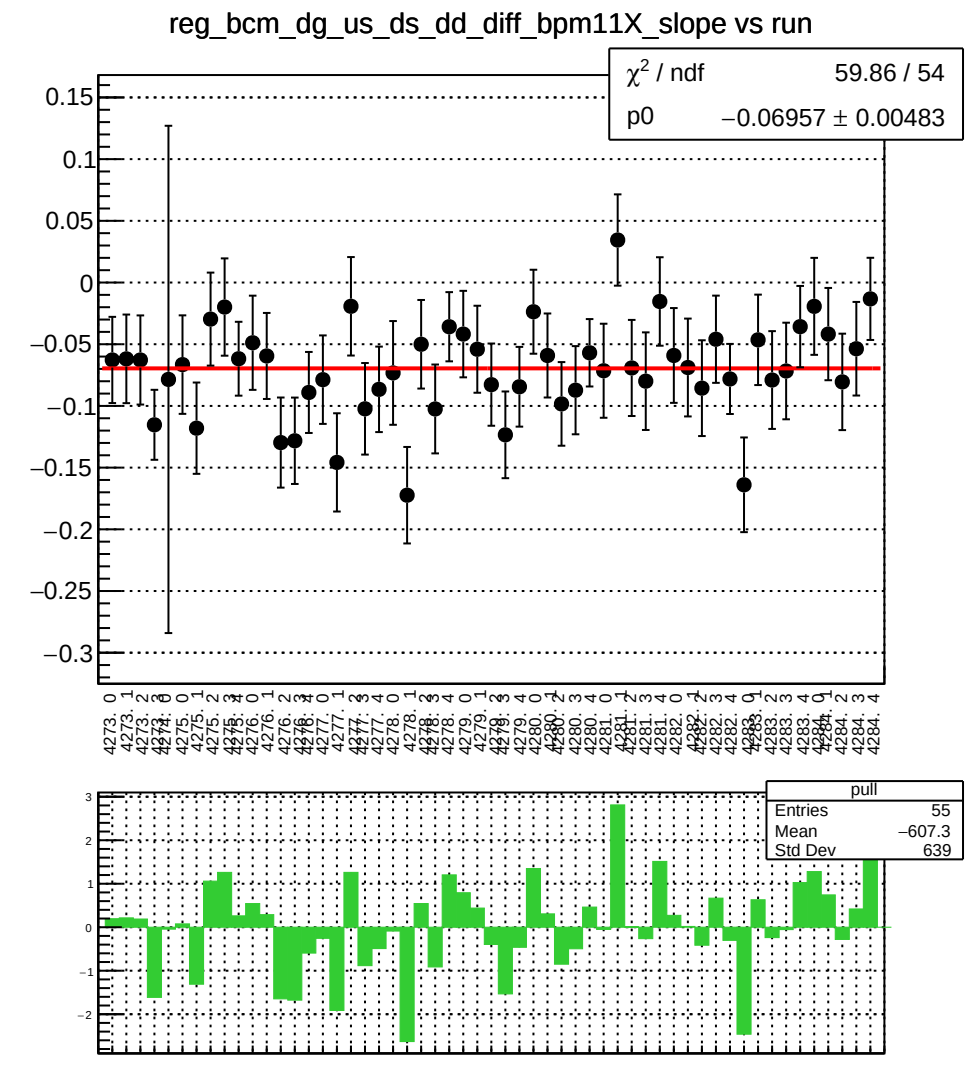

pull1D
Entries 55
Mean 0.0007454
Std Dev 1.169

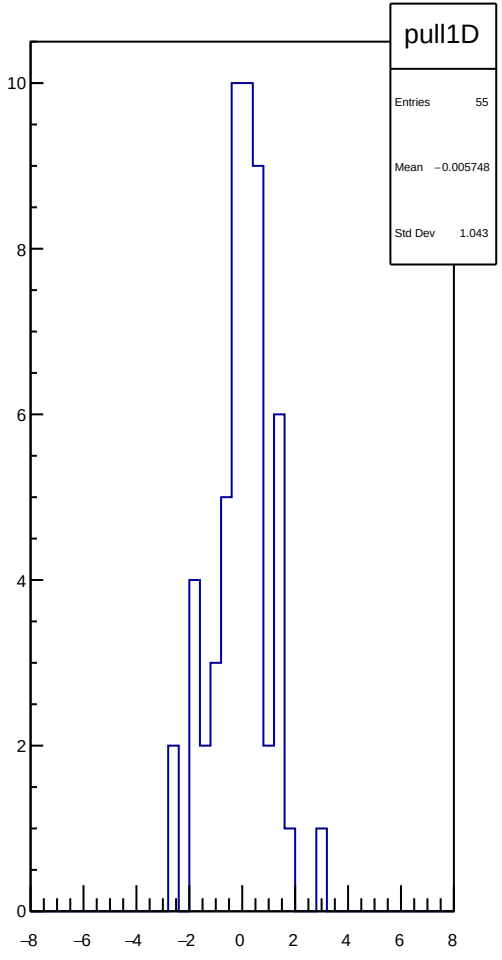

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 118 / 54
p0 −0.04636 ± 0.004033
pull
Entries 55
Mean 337.3
Std Dev 311.5

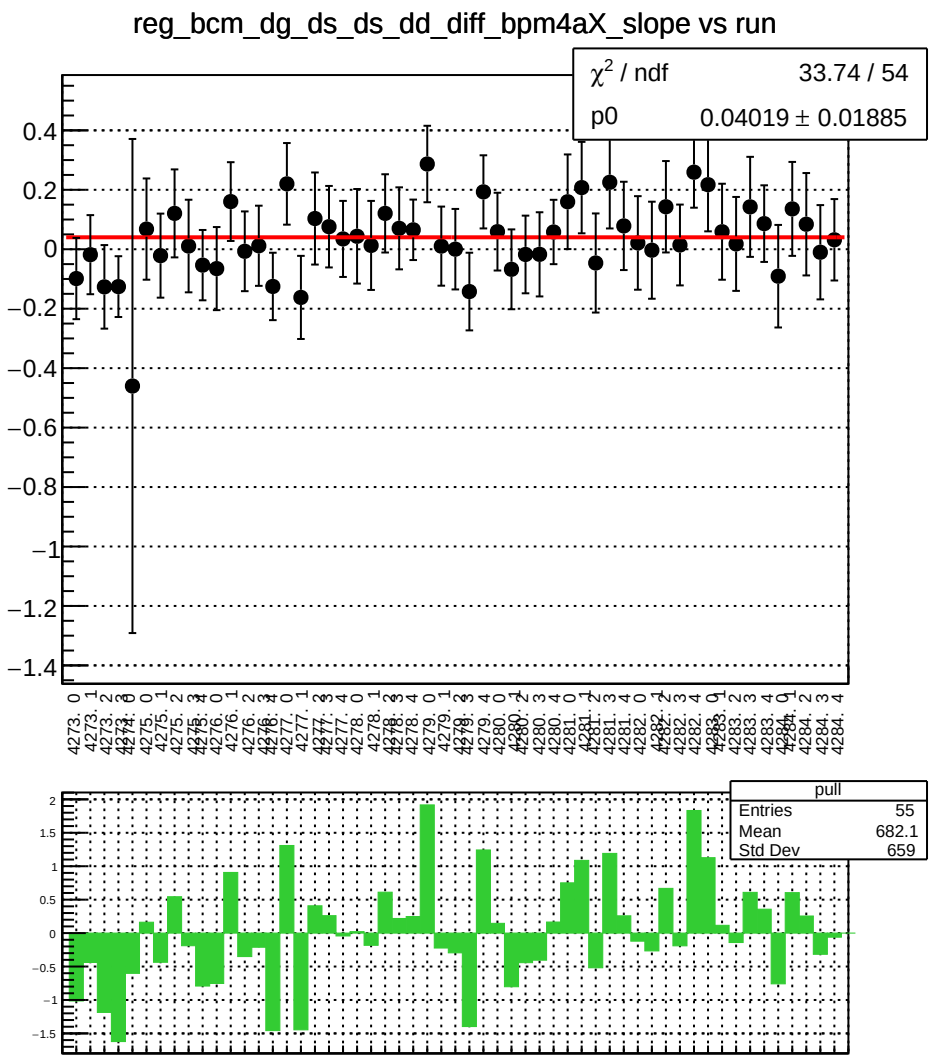

pull1D
Entries 55
Mean 0.02907
Std Dev 1.465

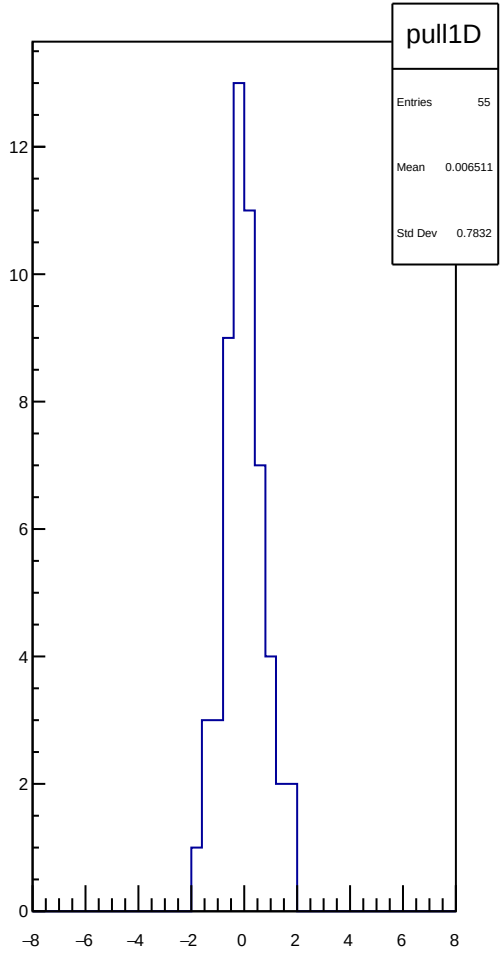

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 75.11 / 54
p0 −0.5393 ± 0.02799
pull
Entries 55
Mean 602.1
Std Dev 577.1

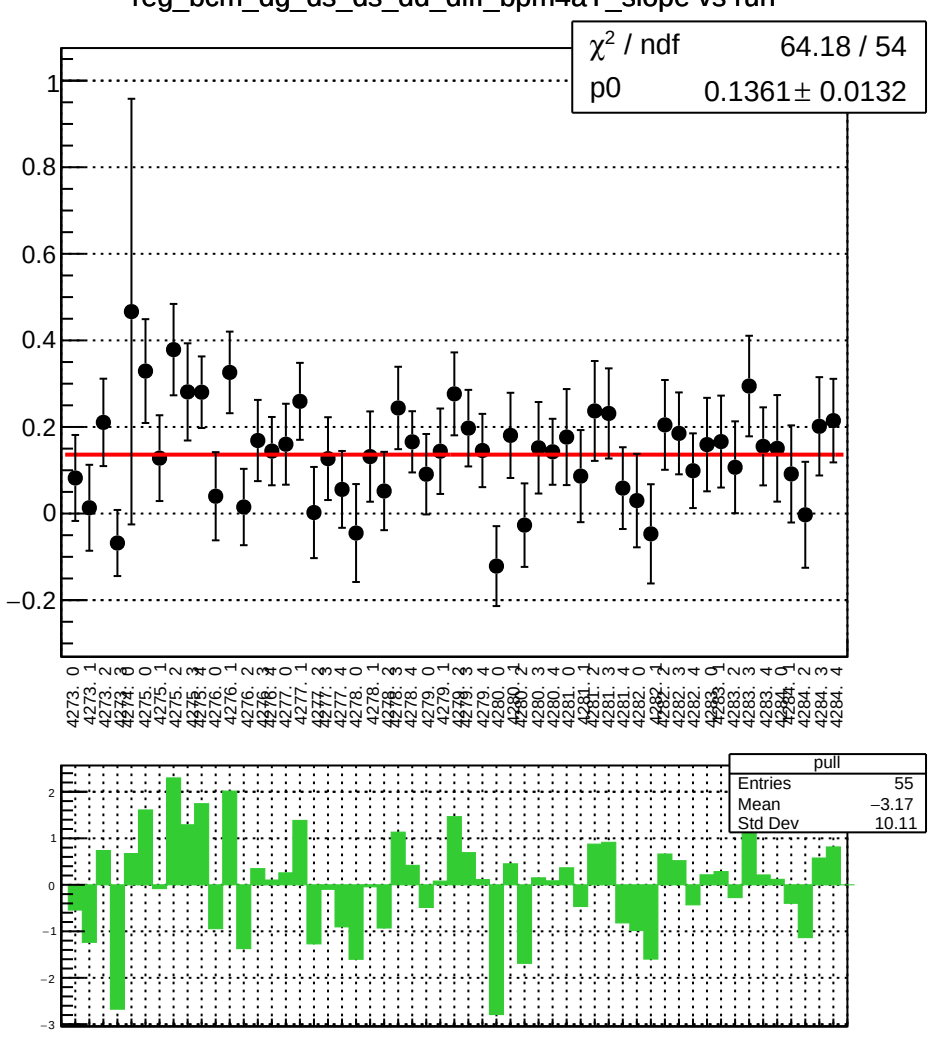

pull1D
Entries 55
Mean −0.004612
Std Dev 1.169

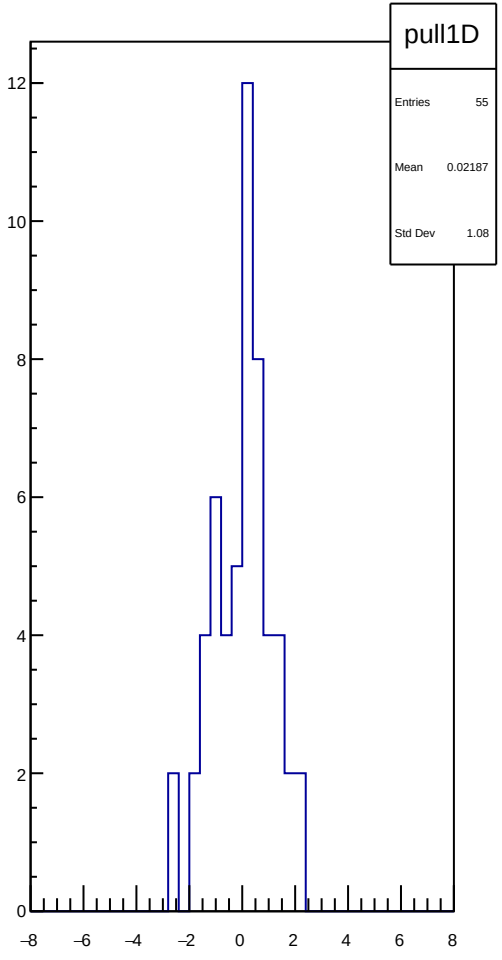

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 59.86 / 54
p0 −0.06957 ± 0.00483
pull
Entries 55
Mean −607.3
Std Dev 639

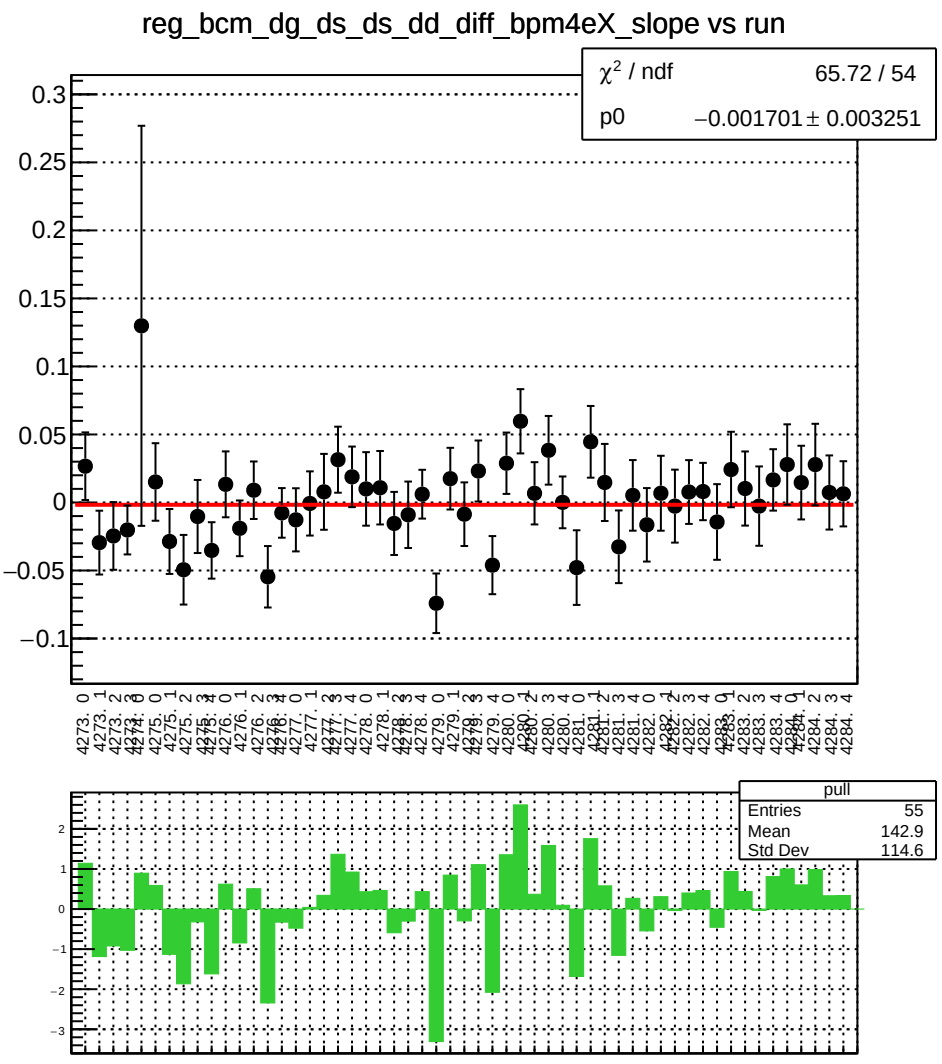

pull1D
Entries 55
Mean −0.005748
Std Dev 1.043

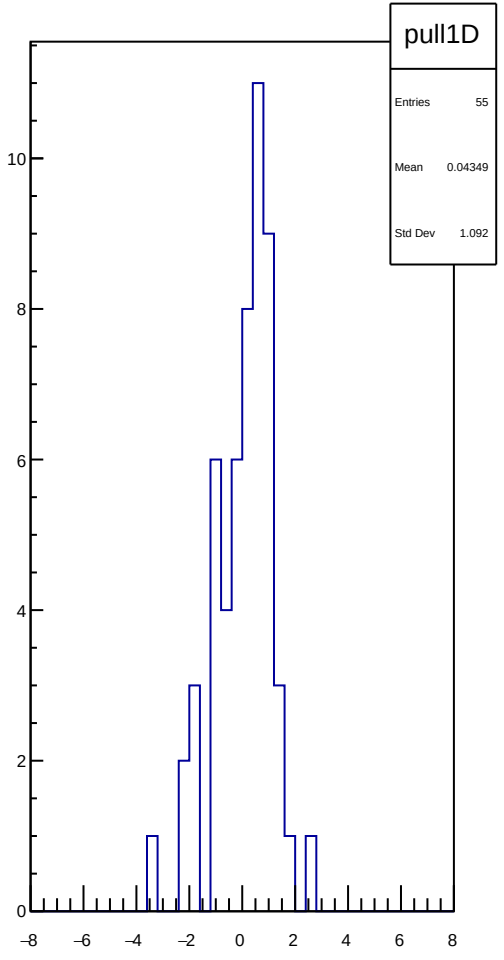

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 33.74 / 54
p0 0.04019 ± 0.01885
pull
Entries 55
Mean 682.1
Std Dev 659

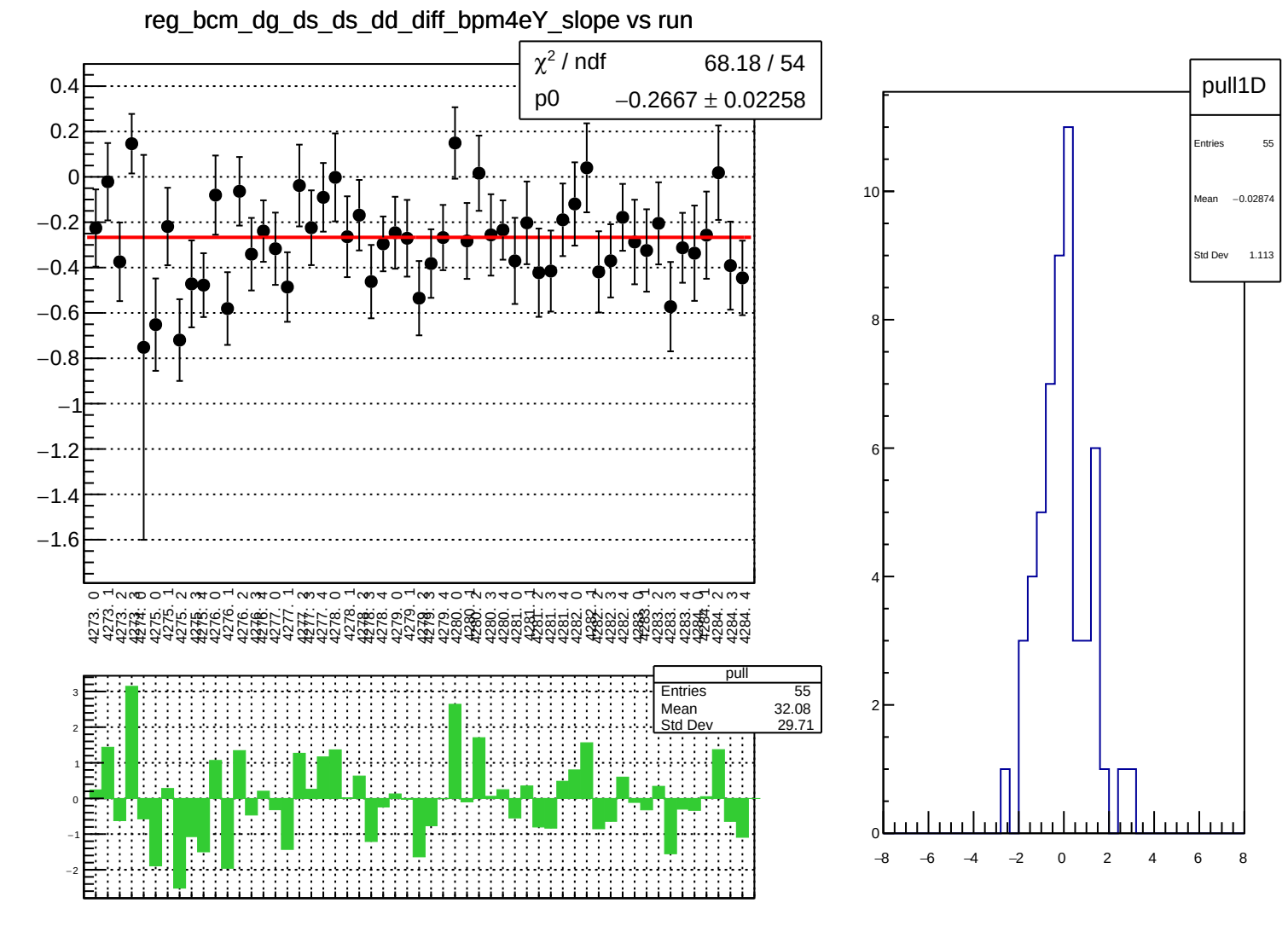

pull1D
Entries 55
Mean 0.006511
Std Dev 0.7832

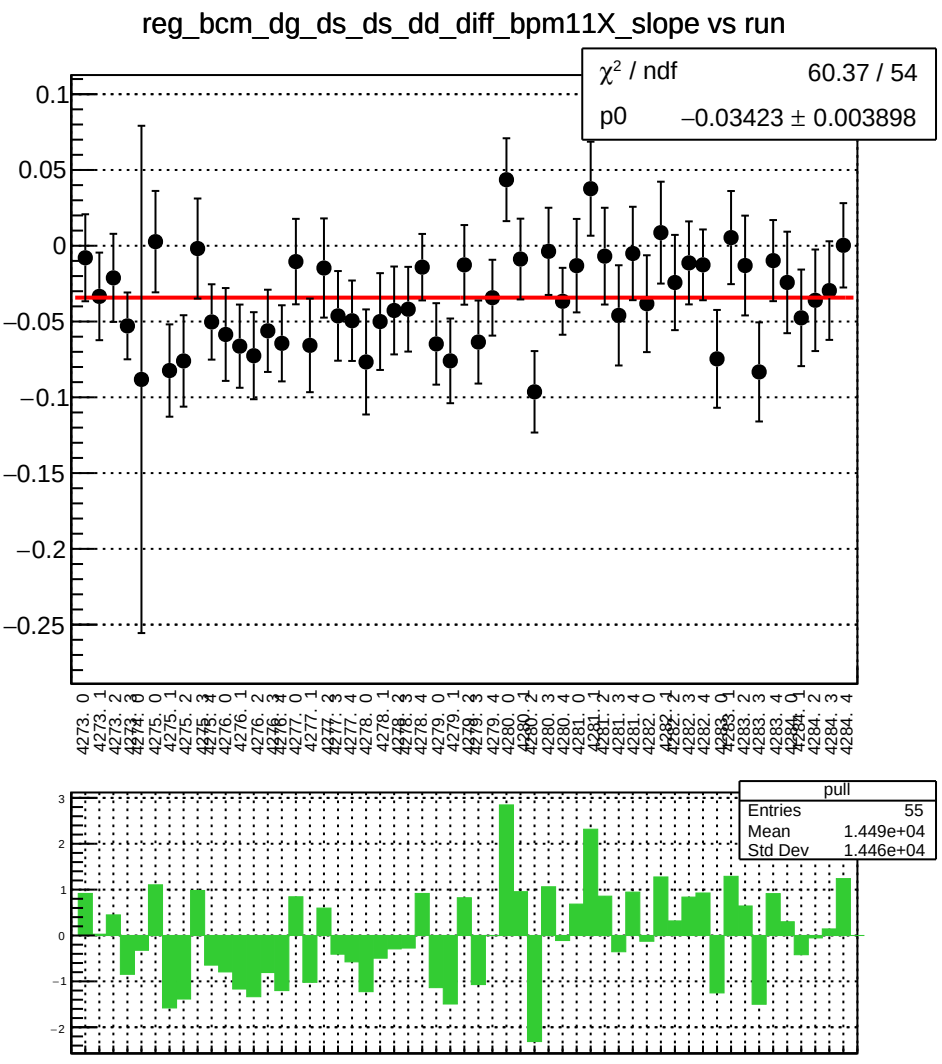

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.18 / 54
p0 0.1361 ± 0.0132
pull
Entries 55
Mean −3.17
Std Dev 10.11

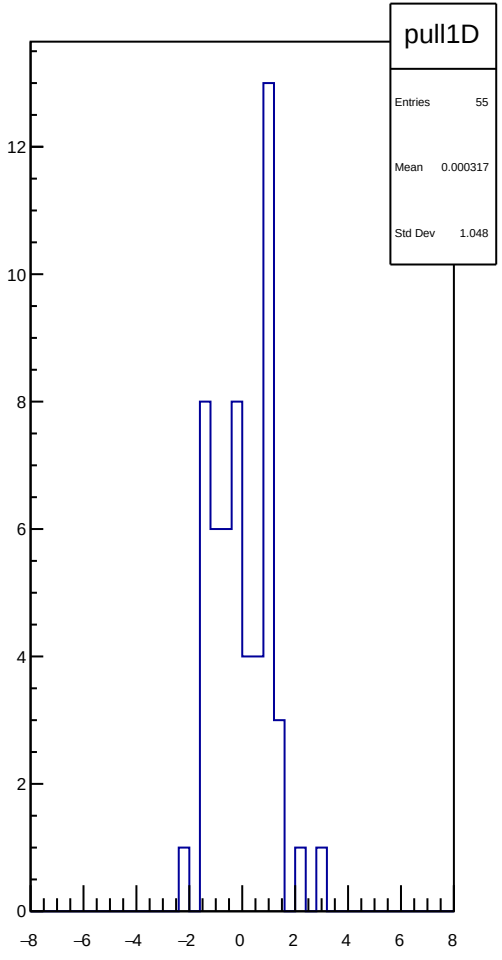

pull1D
Entries 55
Mean 0.02187
Std Dev 1.08


reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.72 / 54
p0 −0.001701 ± 0.003251
pull
Entries 55
Mean 142.9
Std Dev 114.6


pull1D
Entries 55
Mean 0.04349
Std Dev 1.092


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.18 / 54
p0 −0.2667 ± 0.02258
pull
Entries 55
Mean 32.08
Std Dev 29.71
pull1D
Entries 55
Mean −0.02874
Std Dev 1.113


reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 60.37 / 54
p0 −0.03423 ± 0.003898
pull
Entries 55
Mean 1.449e+04
Std Dev 1.446e+04


pull1D
Entries 55
Mean 0.000317
Std Dev 1.048