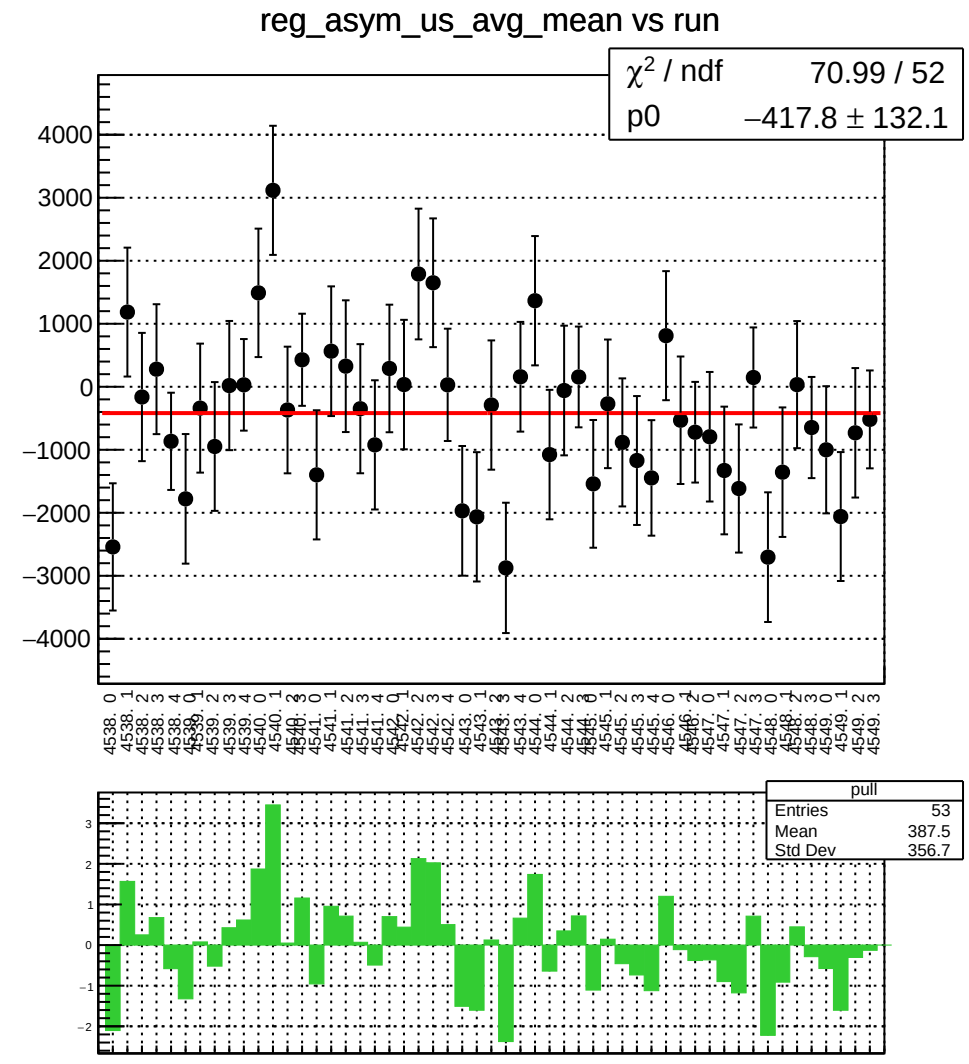
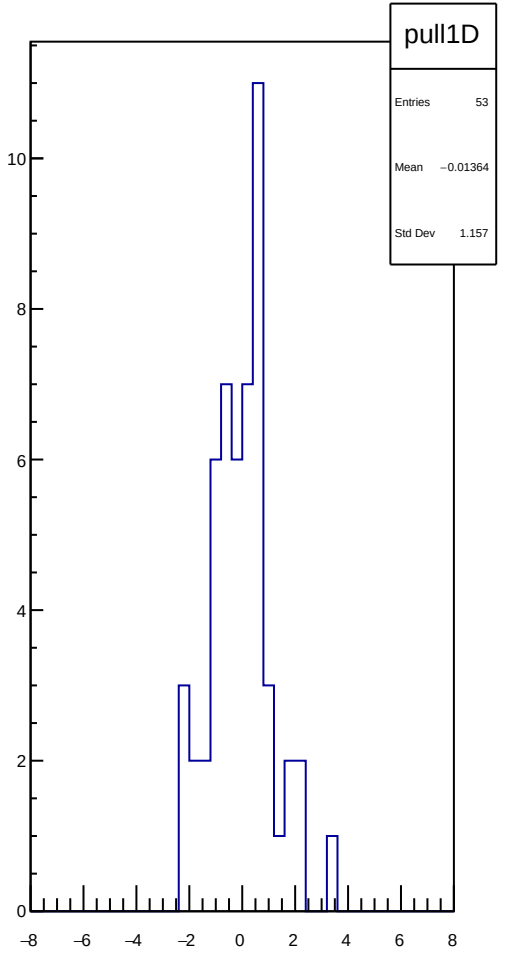
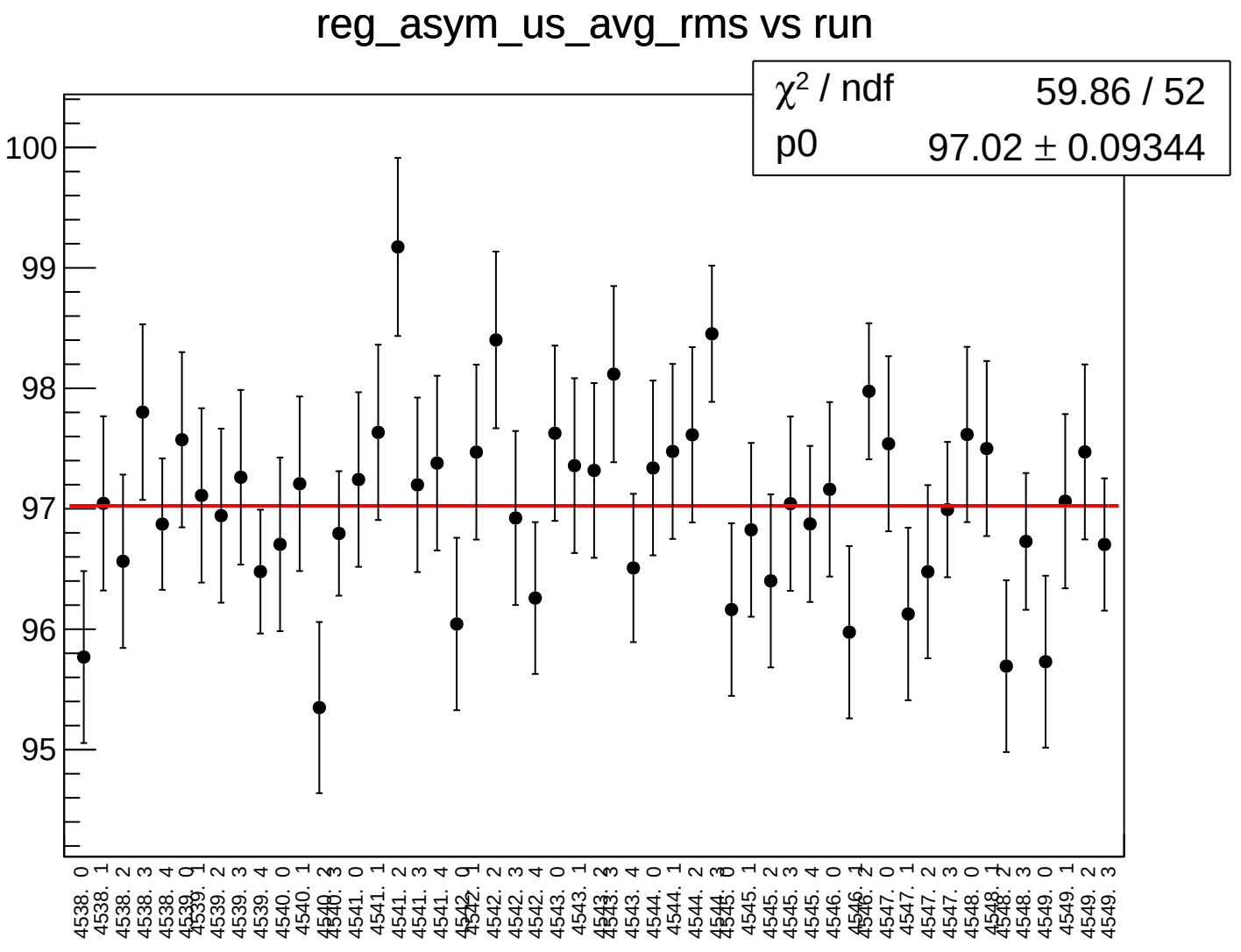
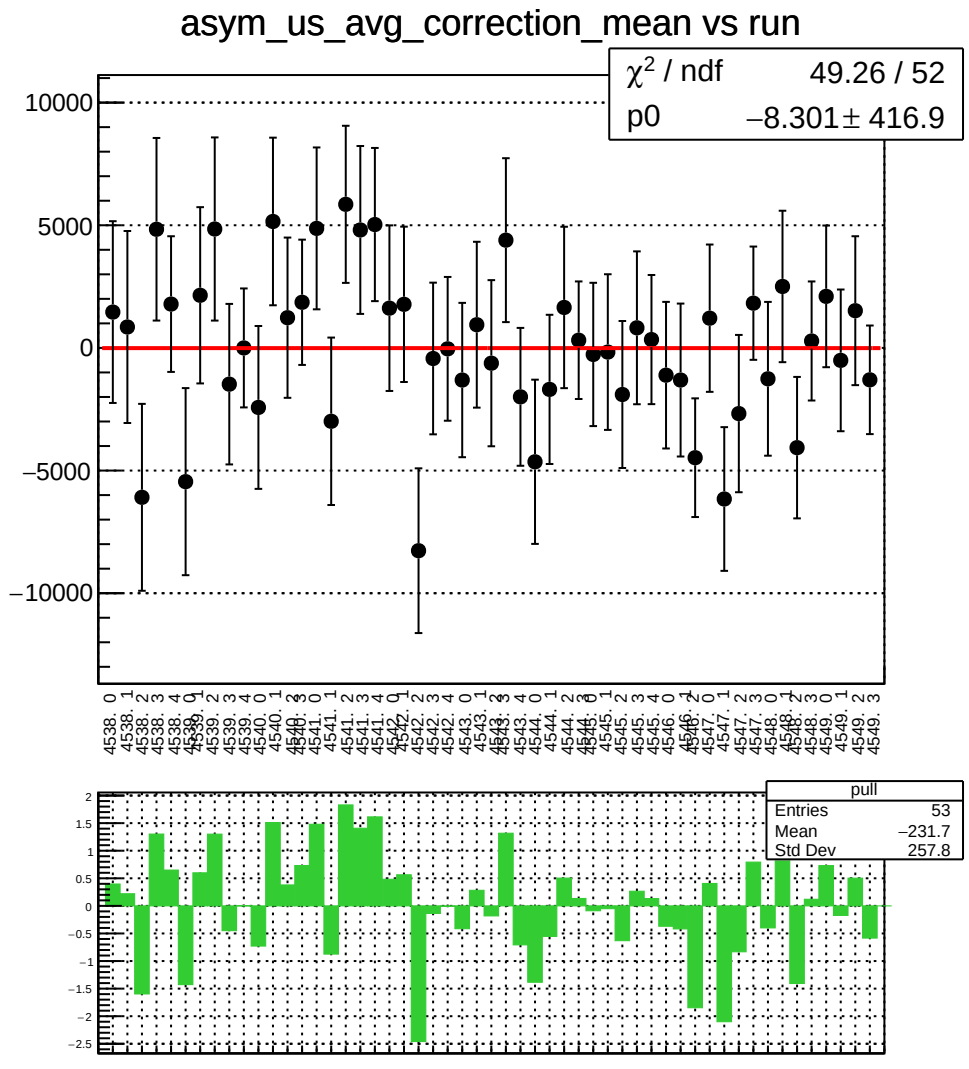
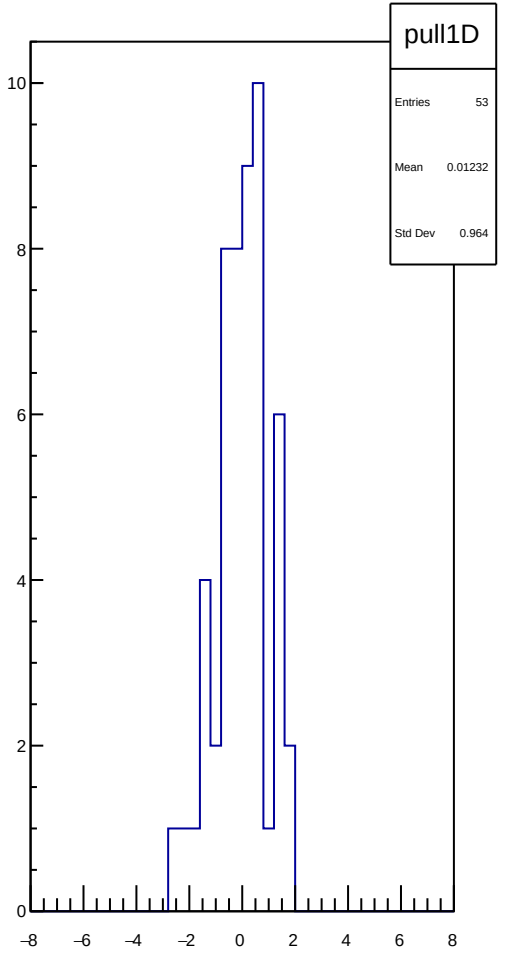
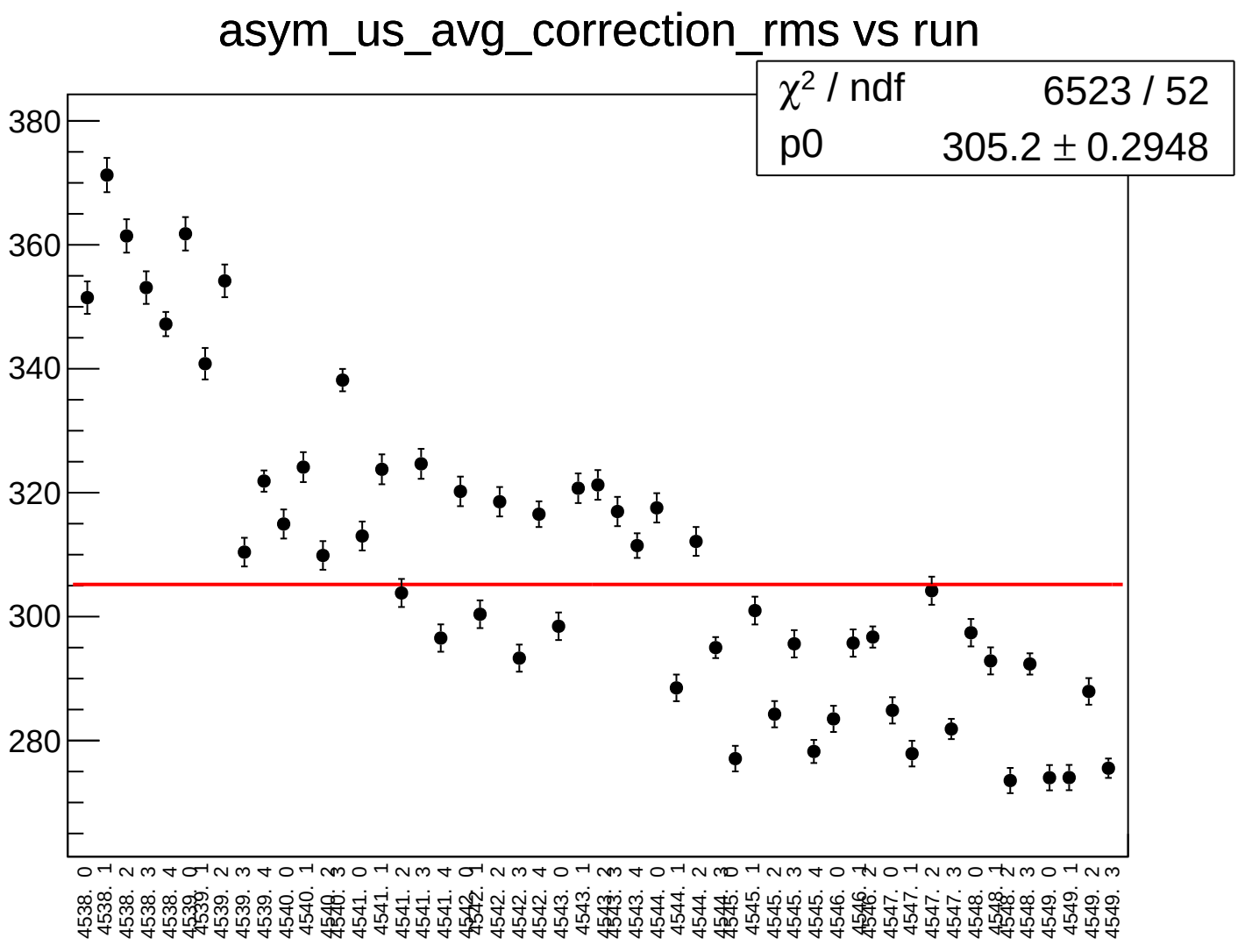

reg_asym_us_avg_mean vs run
χ² / ndf 70.99 / 52
p0 −417.8 ± 132.1
pull
Entries 53
Mean 387.5
Std Dev 356.7

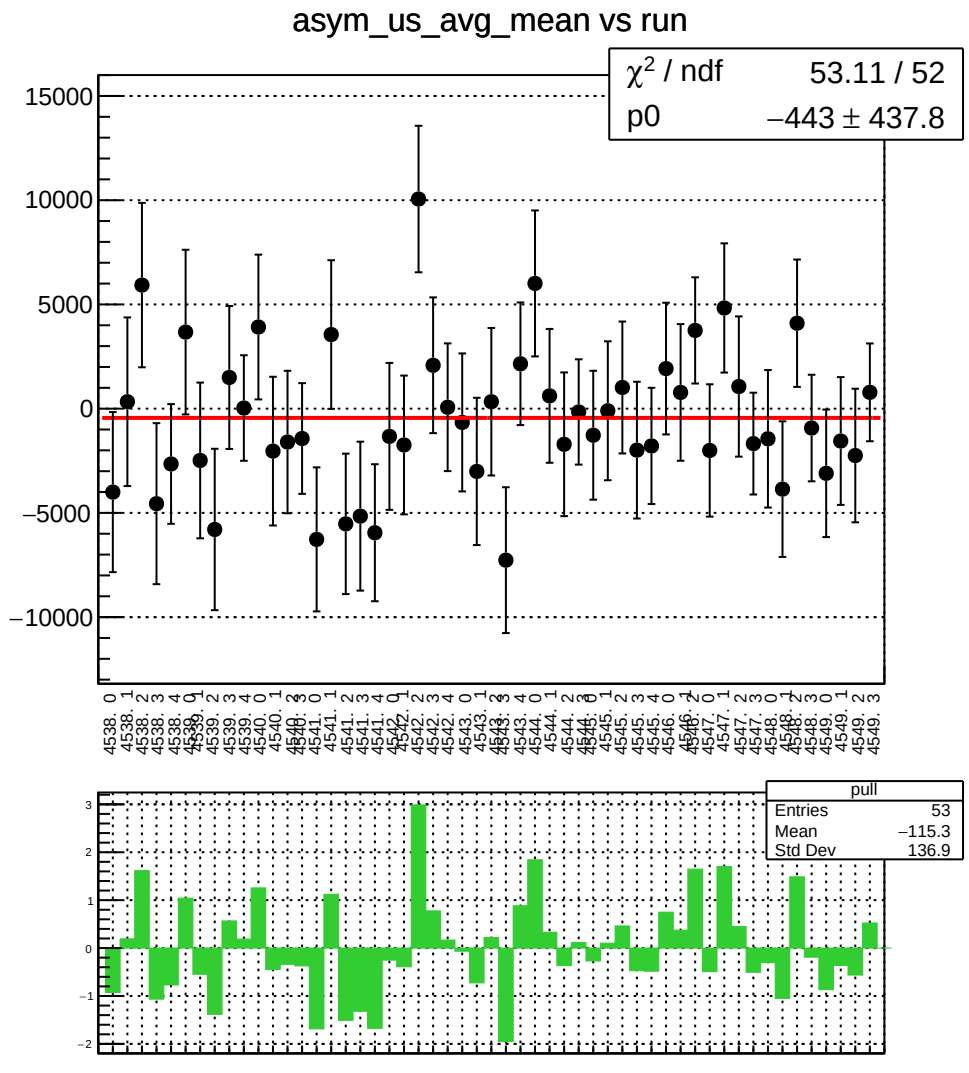

pull1D
Entries 53
Mean −0.01364
Std Dev 1.157

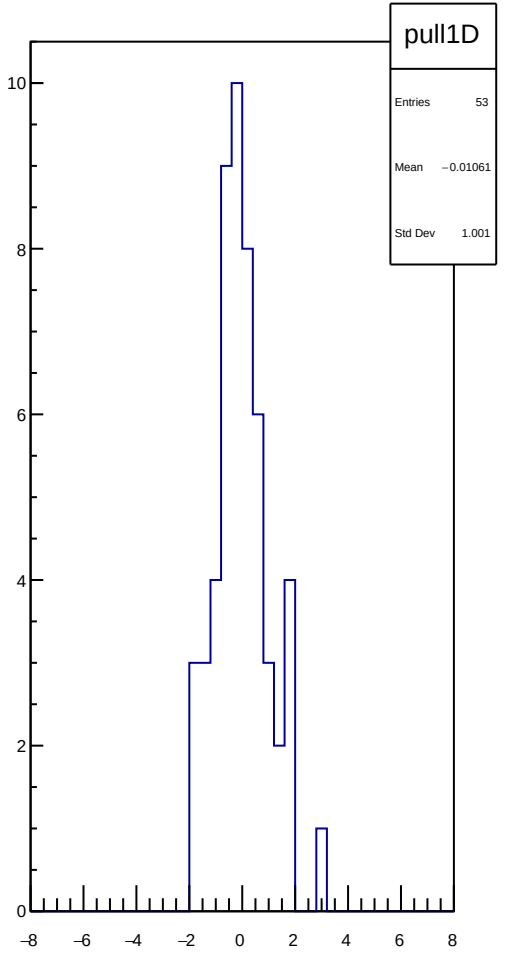

reg_asym_us_avg_rms vs run
χ² / ndf 59.86 / 52
p0 97.02 ± 0.09344
100
99
98
97
96
95
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

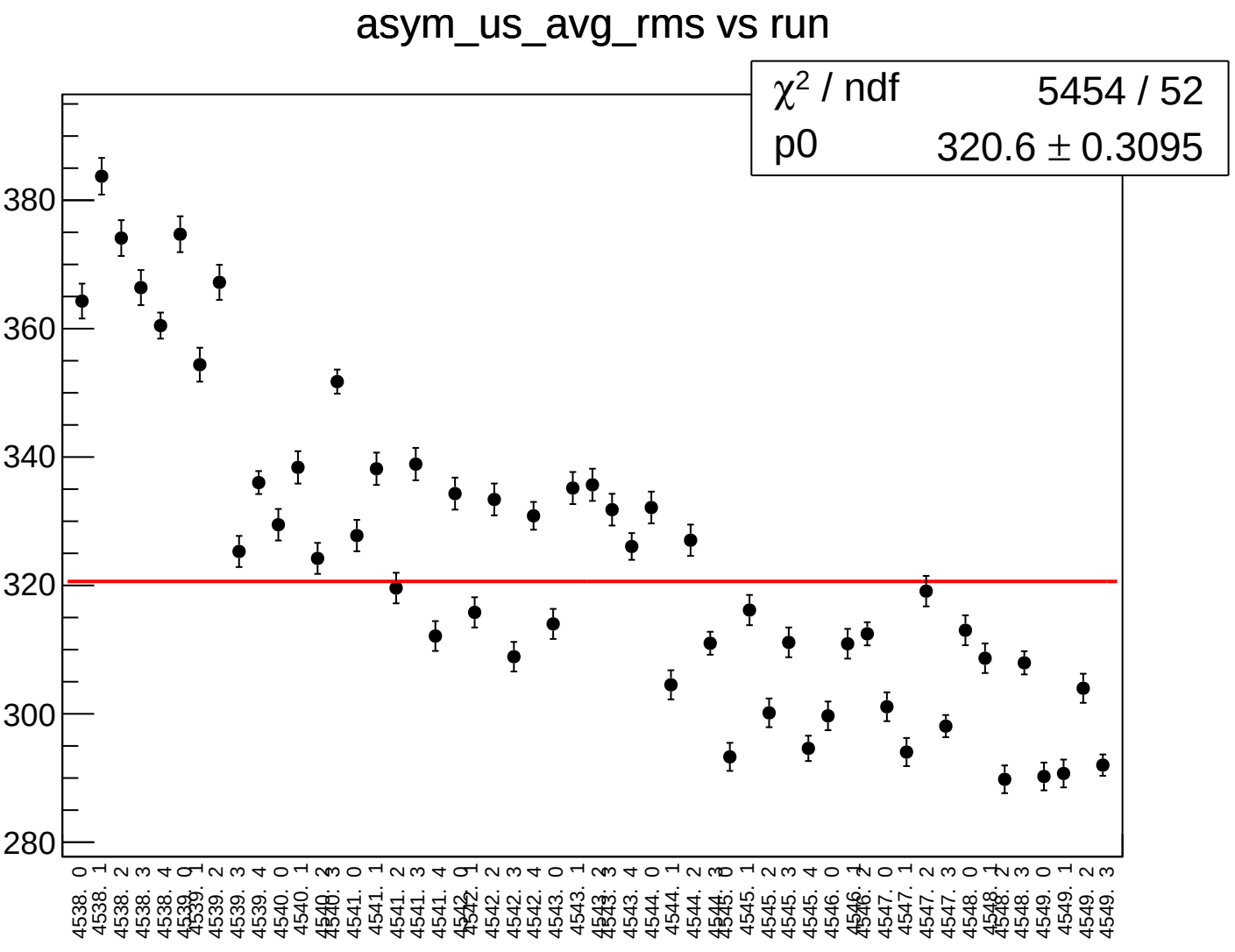

asym_us_avg_correction_mean vs run
χ² / ndf 49.26 / 52
p0 −8.301 ± 416.9
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −231.7
Std Dev 257.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

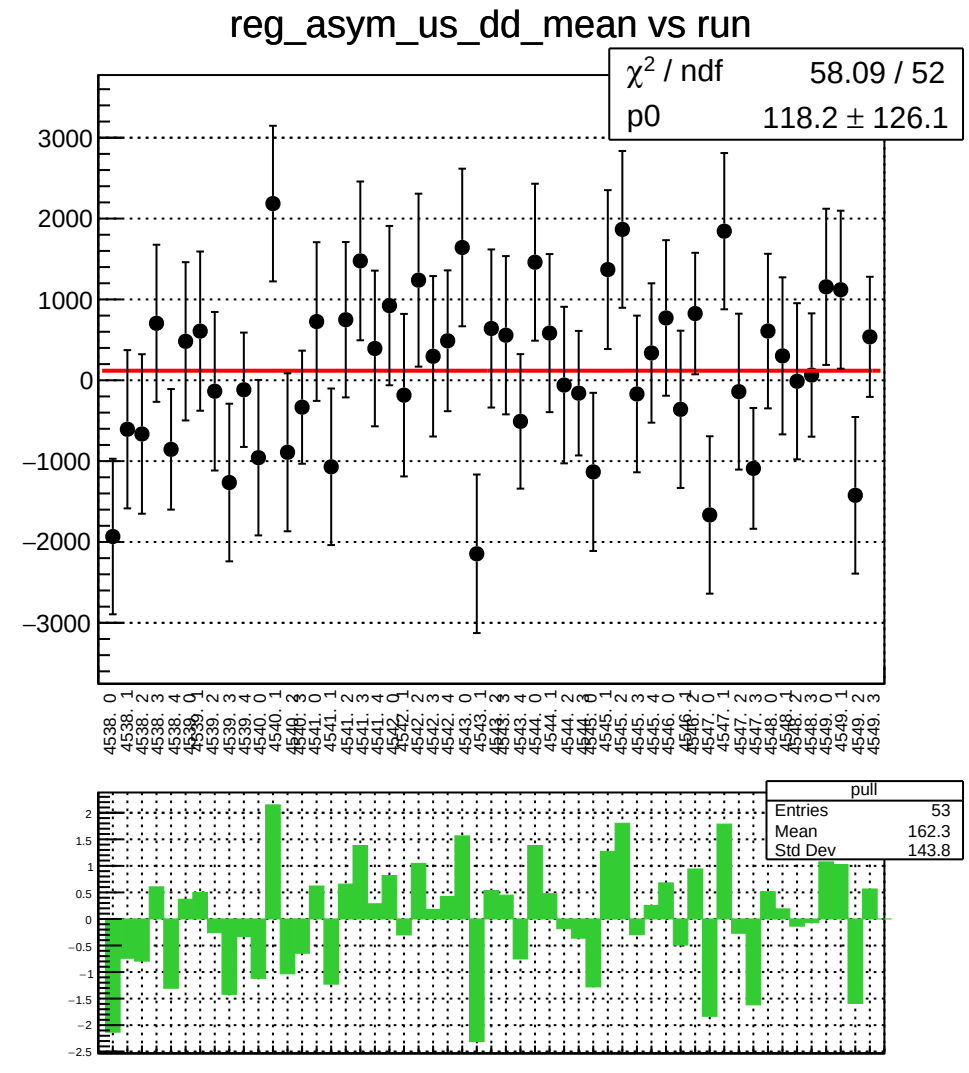

pull1D
Entries 53
Mean 0.01232
Std Dev 0.964
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

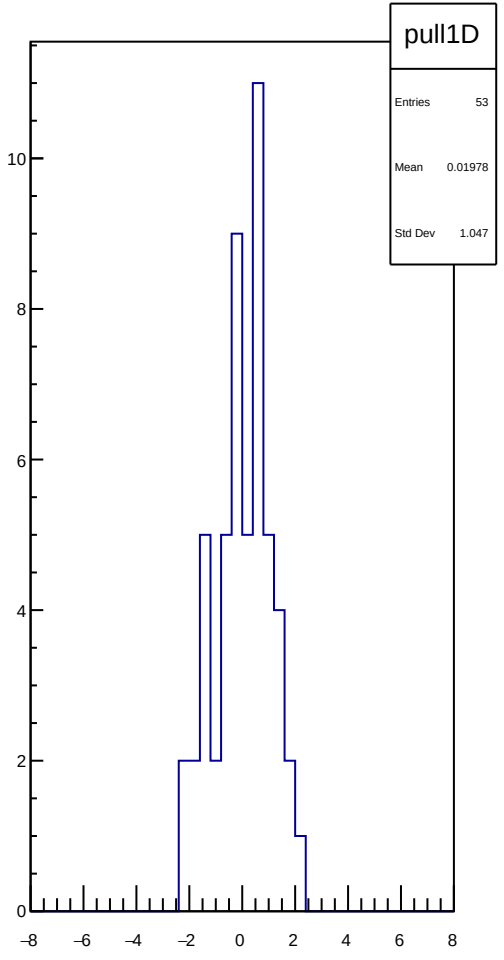

asym_us_avg_correction_rms vs run
χ² / ndf 6523 / 52
p0 305.2 ± 0.2948
380
360
340
320
300
280
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

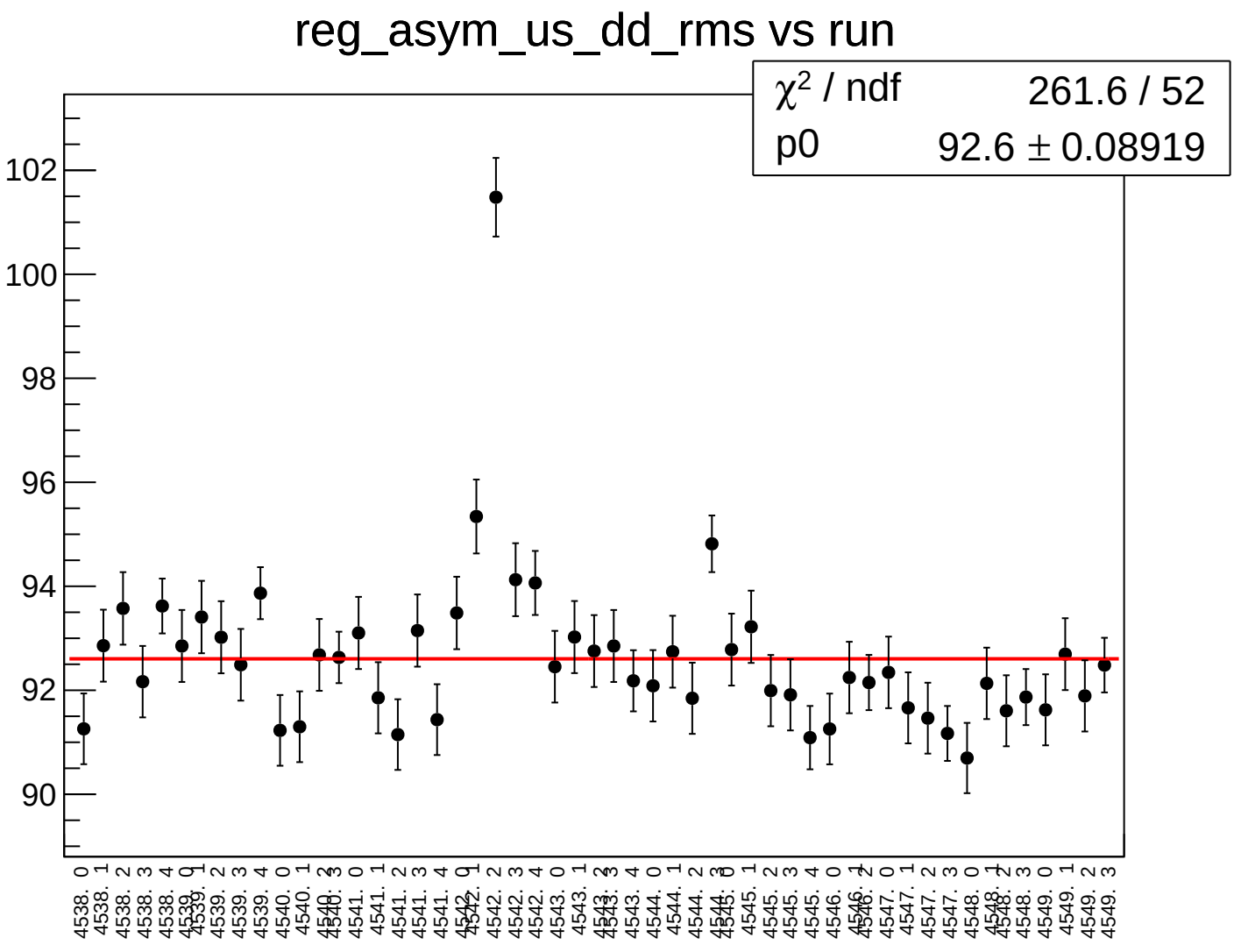

asym_us_avg_mean vs run
χ² / ndf 53.11 / 52
p0 −443 ± 437.8
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −115.3
Std Dev 136.9
3
2
1
0
−1
−2

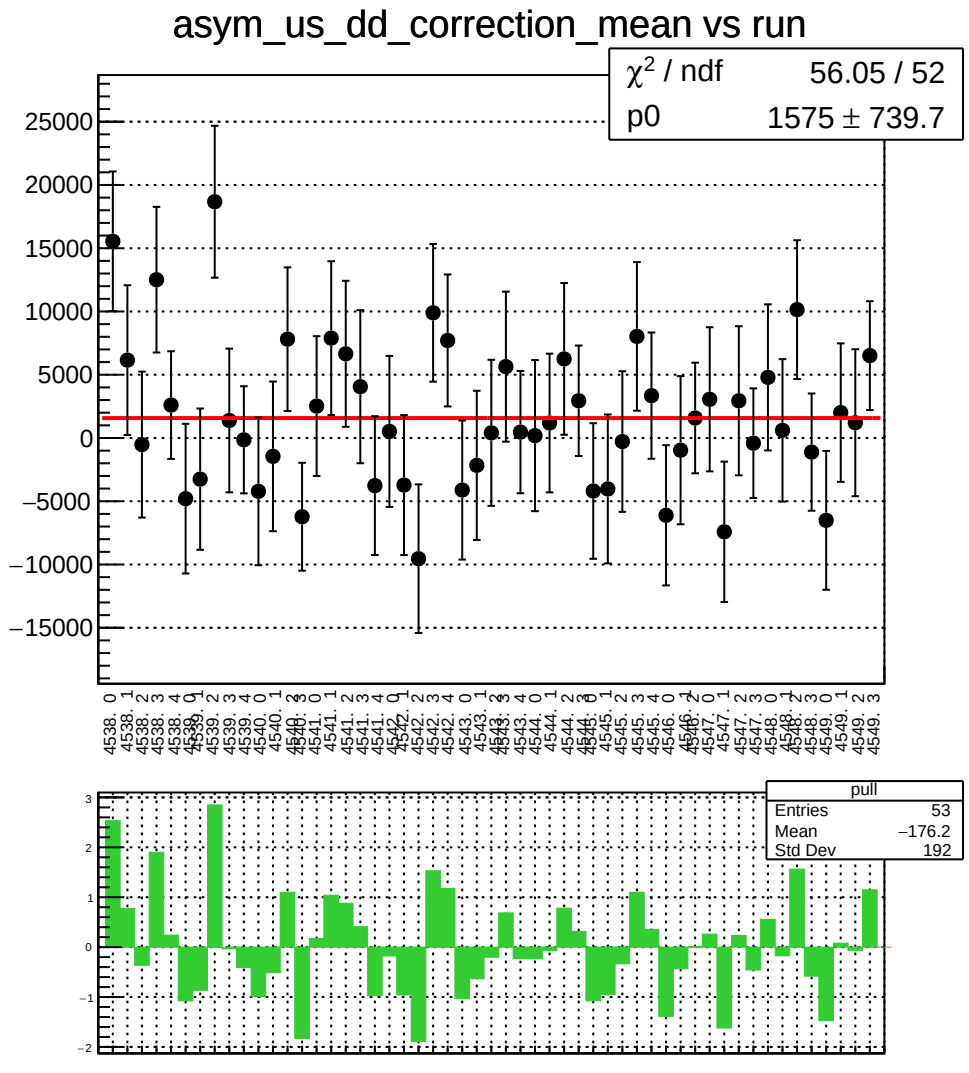

pull1D
Entries 53
Mean −0.01061
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

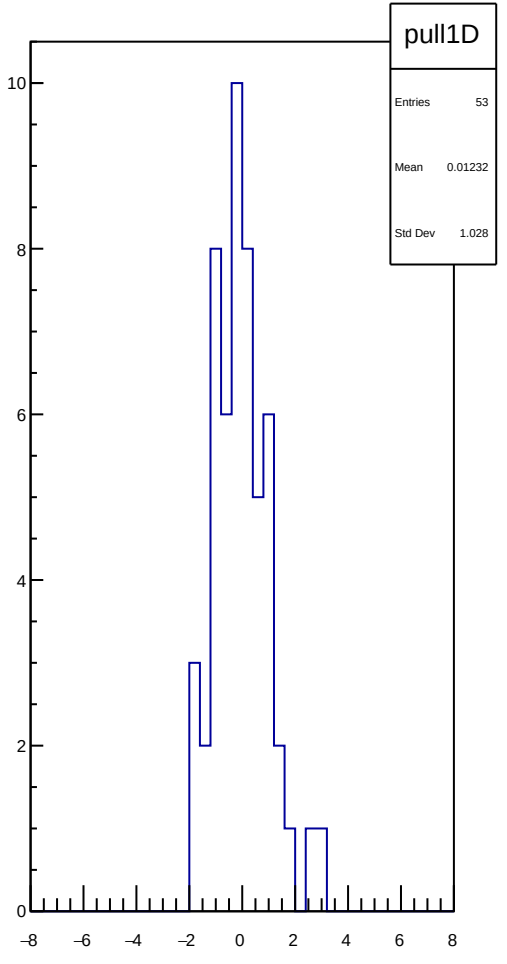

asym_us_avg_rms vs run
χ² / ndf 5454 / 52
p0 320.6 ± 0.3095
380
360
340
320
300
280
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

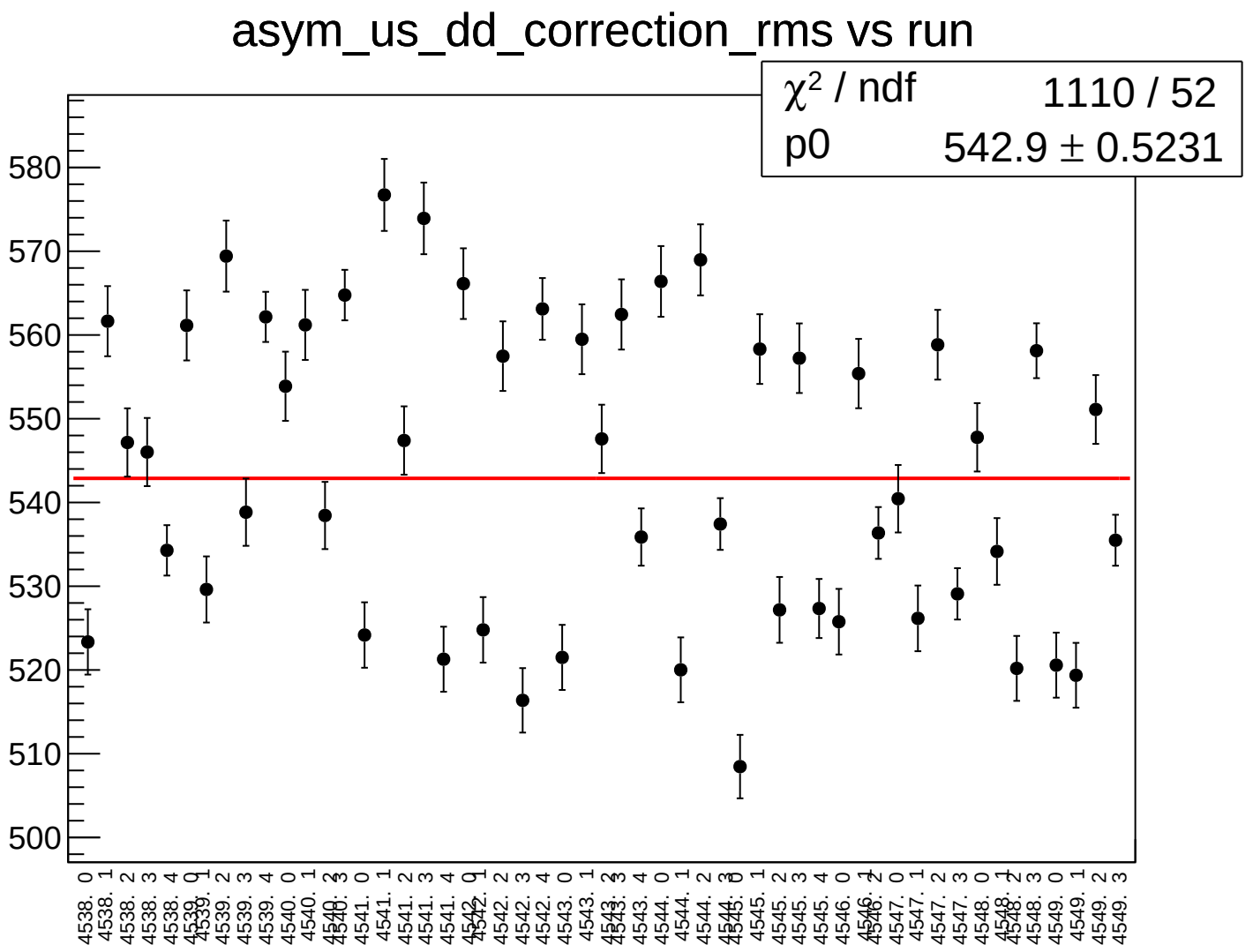

reg_asym_us_dd_mean vs run
χ^2 / ndf 58.09 / 52
p0 118.2 ± 126.1
pull
Entries 53
Mean 162.3
Std Dev 143.8

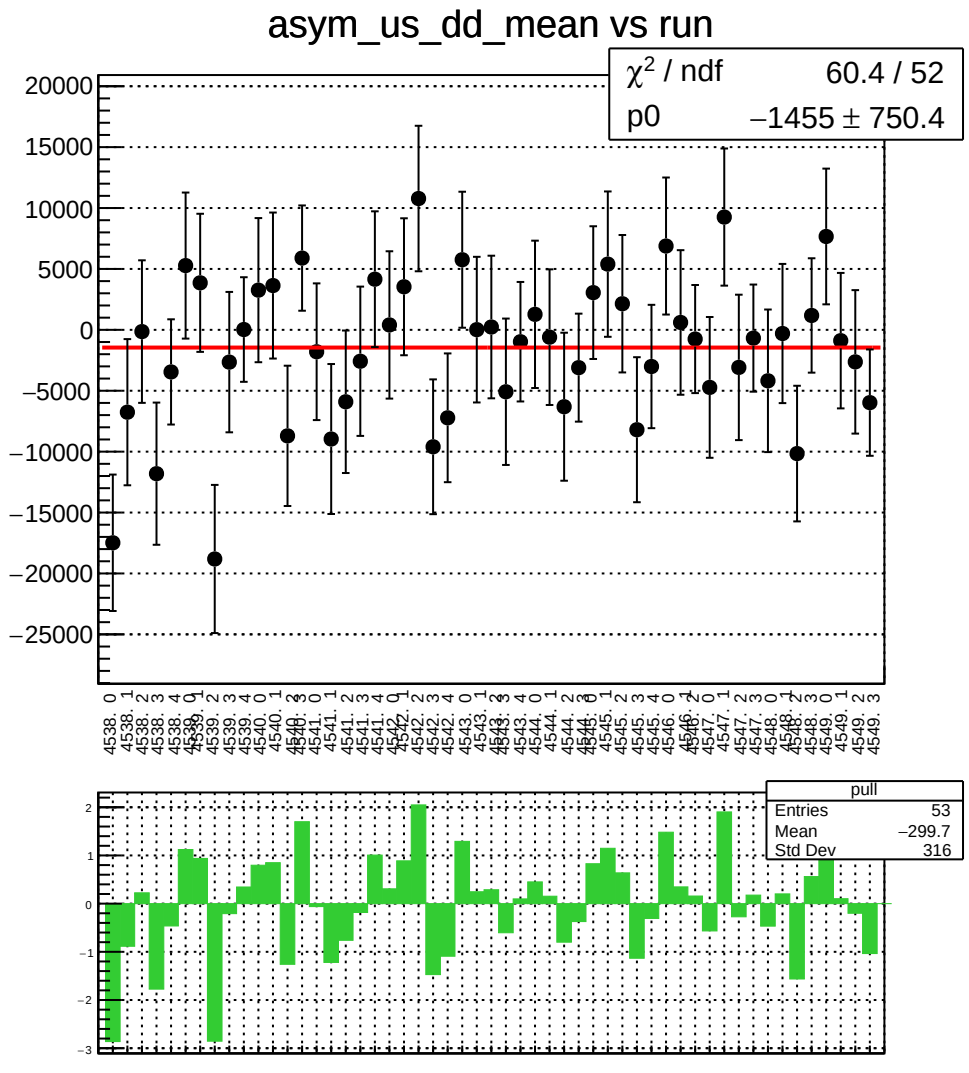

pull1D
Entries 53
Mean 0.01978
Std Dev 1.047

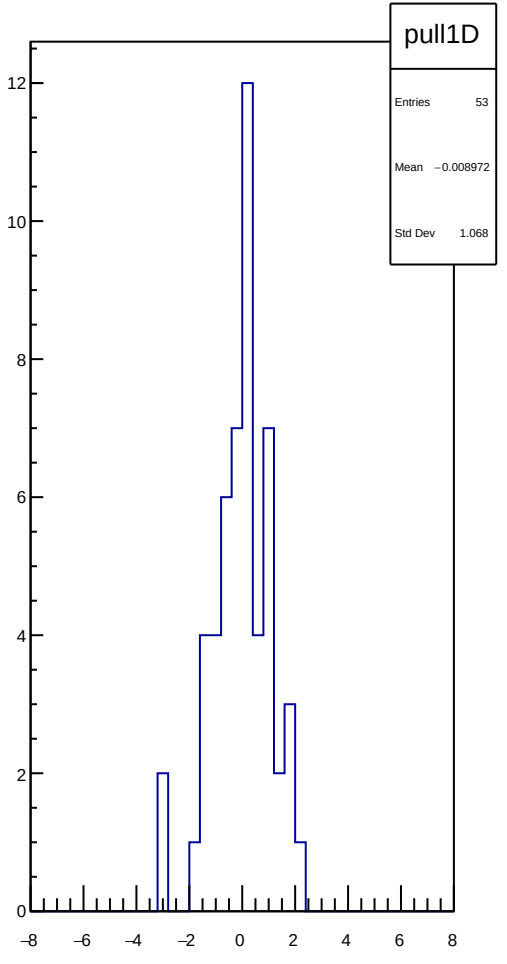

reg_asym_us_dd_rms vs run
χ² / ndf 261.6 / 52
p0 92.6 ± 0.08919
102
100
98
96
94
92
90
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

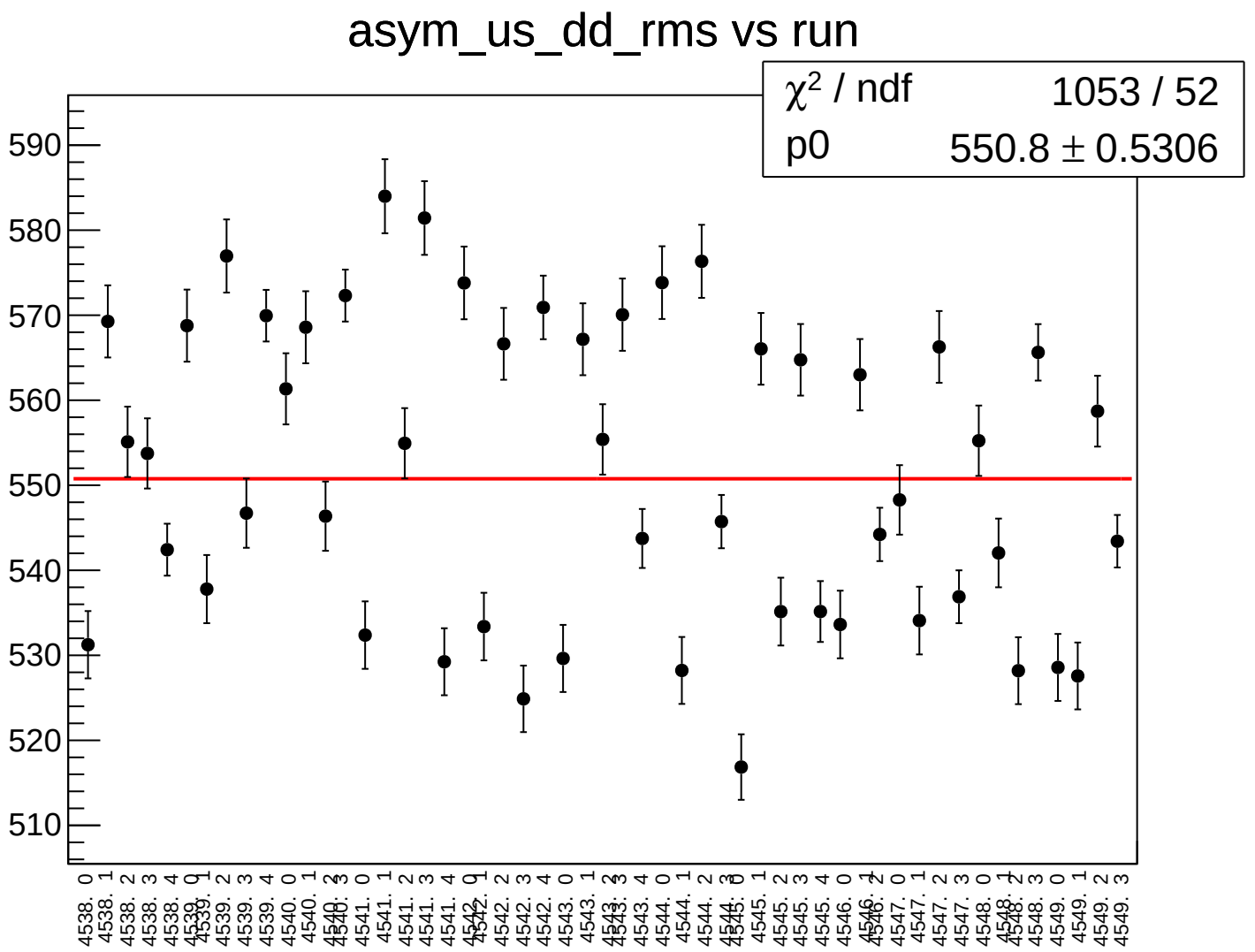

asym_us_dd_correction_mean vs run
χ² / ndf 56.05 / 52
p0 1575 ± 739.7
pull
Entries 53
Mean −176.2
Std Dev 192

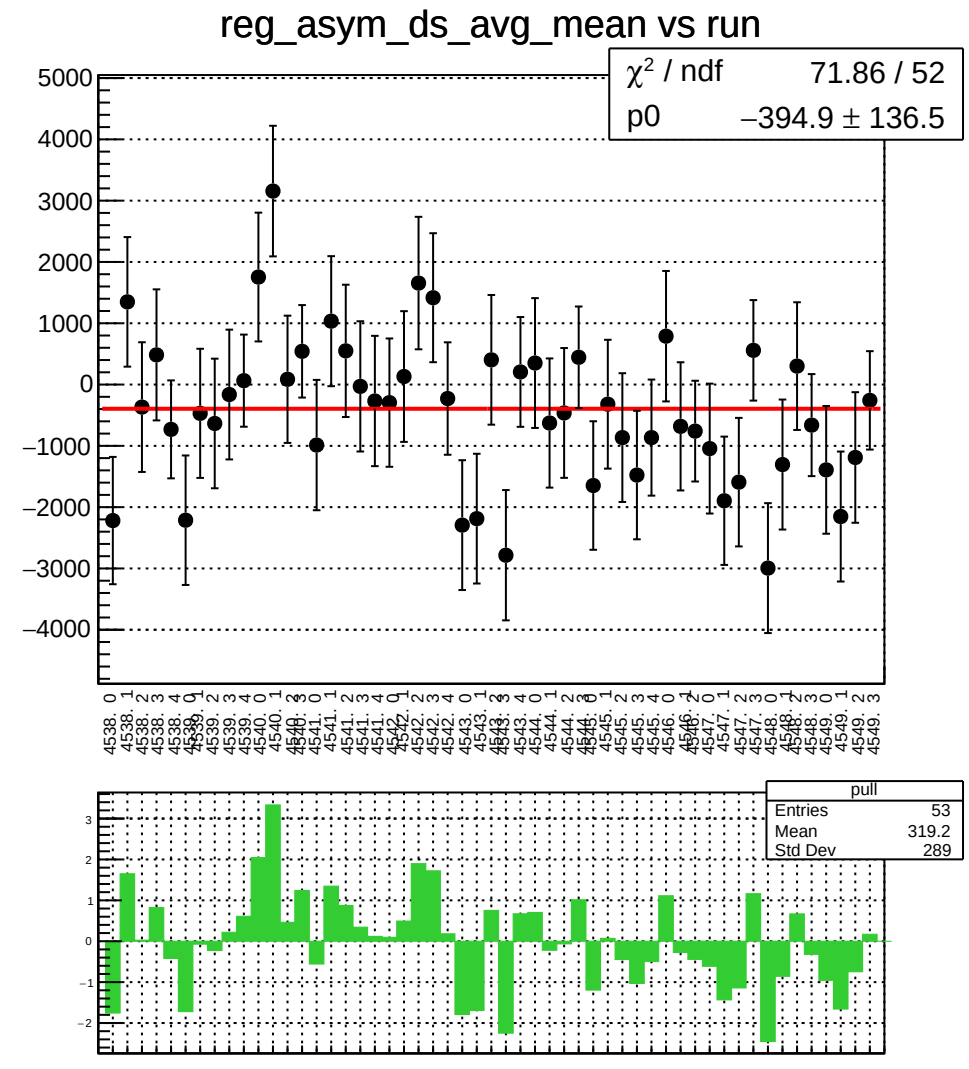

pull1D
Entries 53
Mean 0.01232
Std Dev 1.028

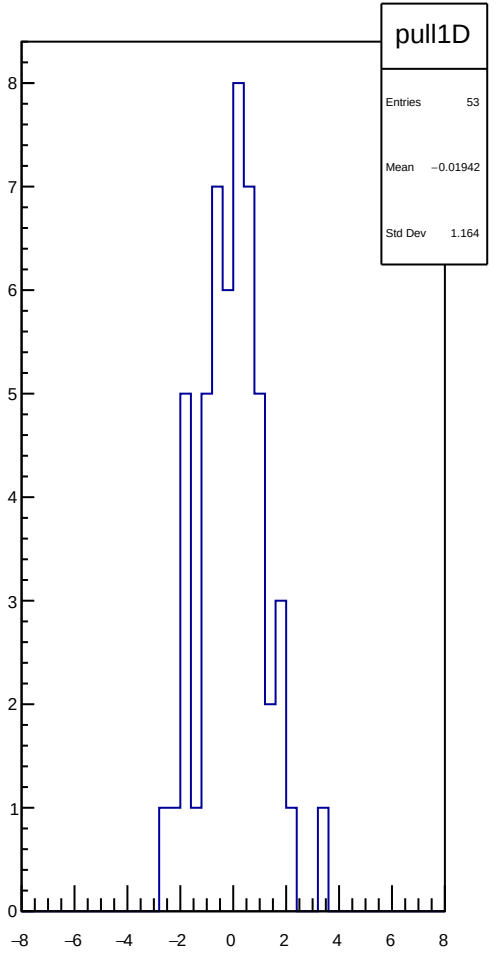

asym_us_dd_correction_rms vs run
χ² / ndf 1110 / 52
p0 542.9 ± 0.5231
580
570
560
550
540
530
520
510
500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

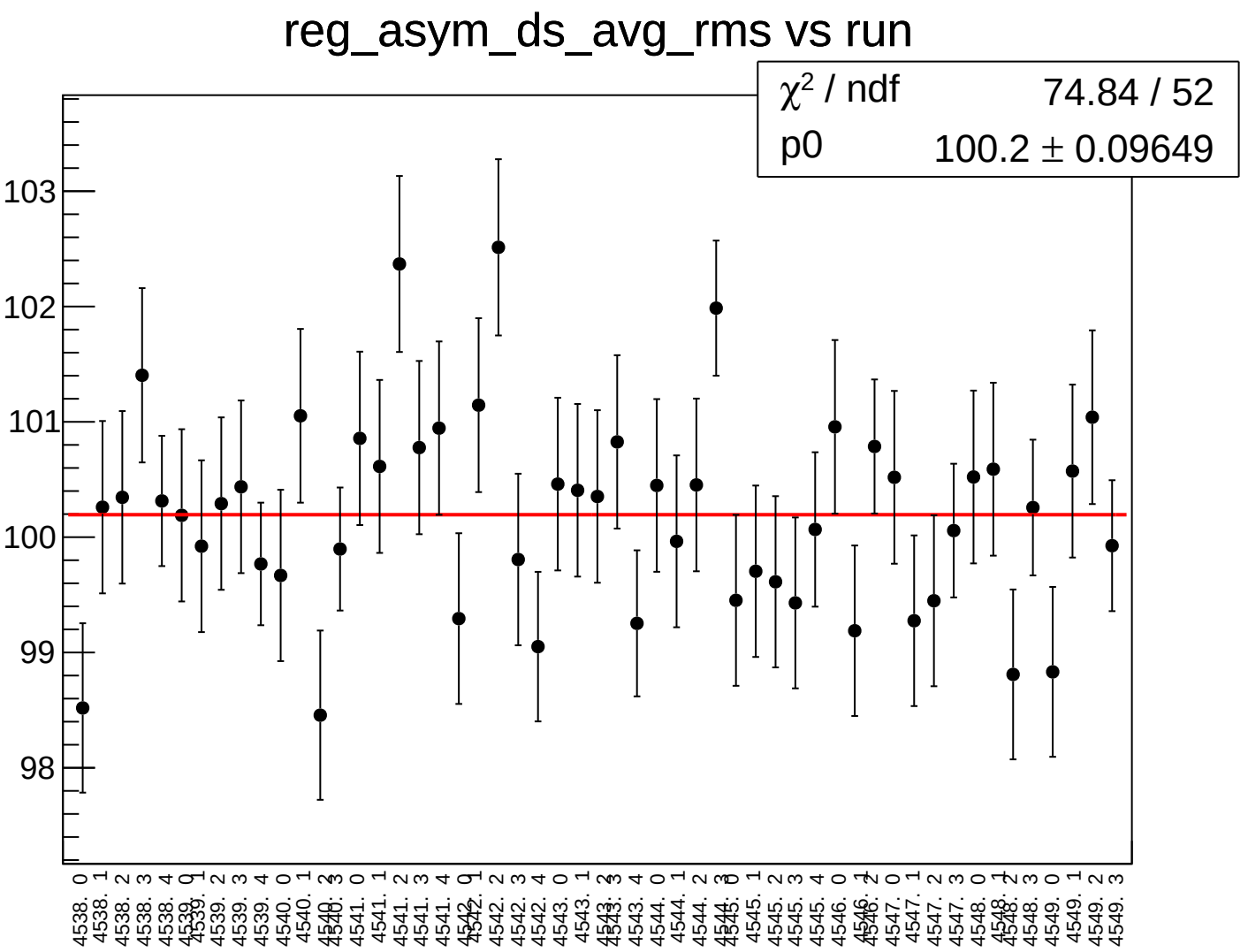

asym_us_dd_mean vs run
χ² / ndf 60.4 / 52
p0 −1455 ± 750.4
pull
Entries 53
Mean −299.7
Std Dev 316


pull1D
Entries 53
Mean −0.008972
Std Dev 1.068


asym_us_dd_rms vs run
χ² / ndf 1053 / 52
p0 550.8 ± 0.5306
590
580
570
560
550
540
530
520
510
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


reg_asym_ds_avg_mean vs run
χ^2 / ndf 71.86 / 52
p0 −394.9 ± 136.5
pull
Entries 53
Mean 319.2
Std Dev 289


pull1D
Entries 53
Mean −0.01942
Std Dev 1.164


reg_asym_ds_avg_rms vs run
χ^2 / ndf 74.84 / 52
p0 100.2 ± 0.09649
103
102
101
100
99
98
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
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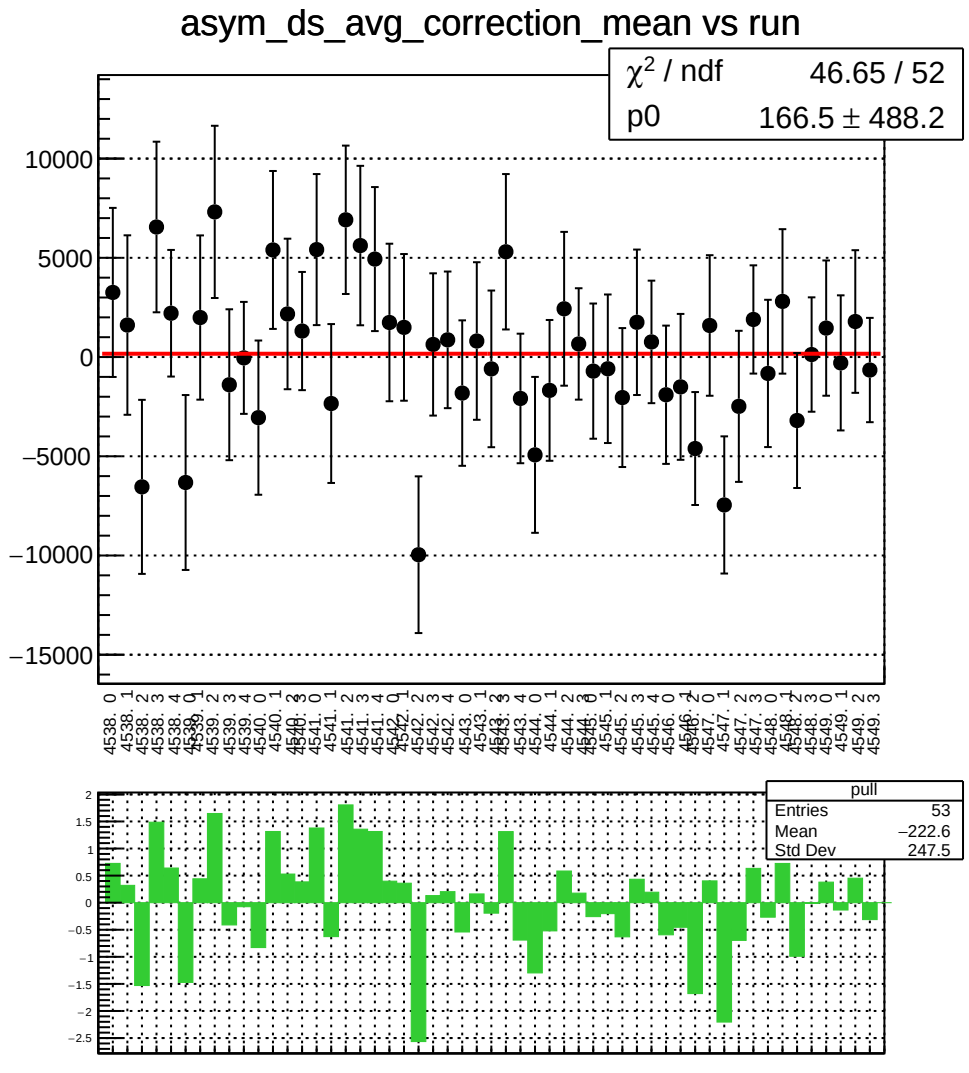
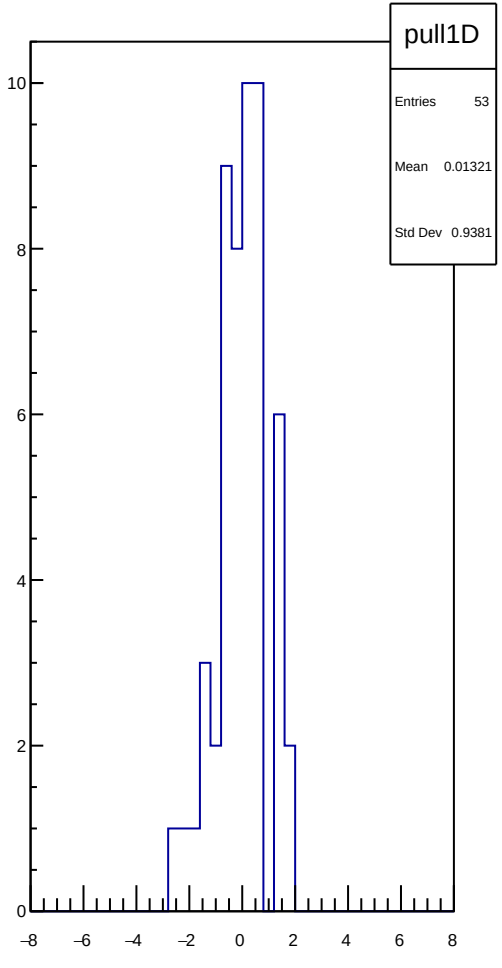
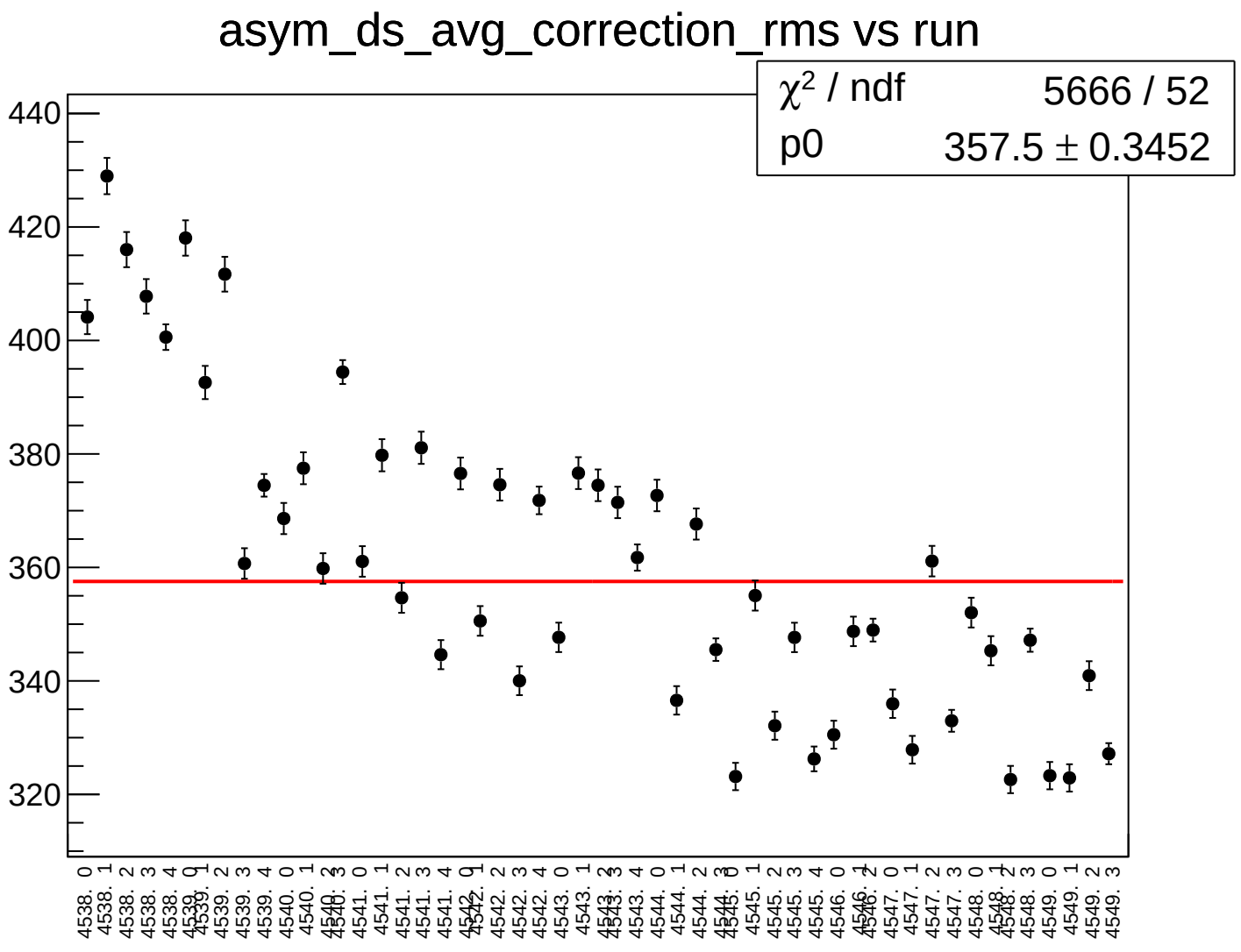
4549. 2
4549. 3


asym_ds_avg_correction_mean vs run
χ² / ndf 46.65 / 52
p0 166.5 ± 488.2
pull
Entries 53
Mean −222.6
Std Dev 247.5


pull1D
Entries 53
Mean 0.01321
Std Dev 0.9381


asym_ds_avg_correction_rms vs run
χ^2 / ndf 5666 / 52
p0 357.5 ± 0.3452
440
420
400
380
360
340
320
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
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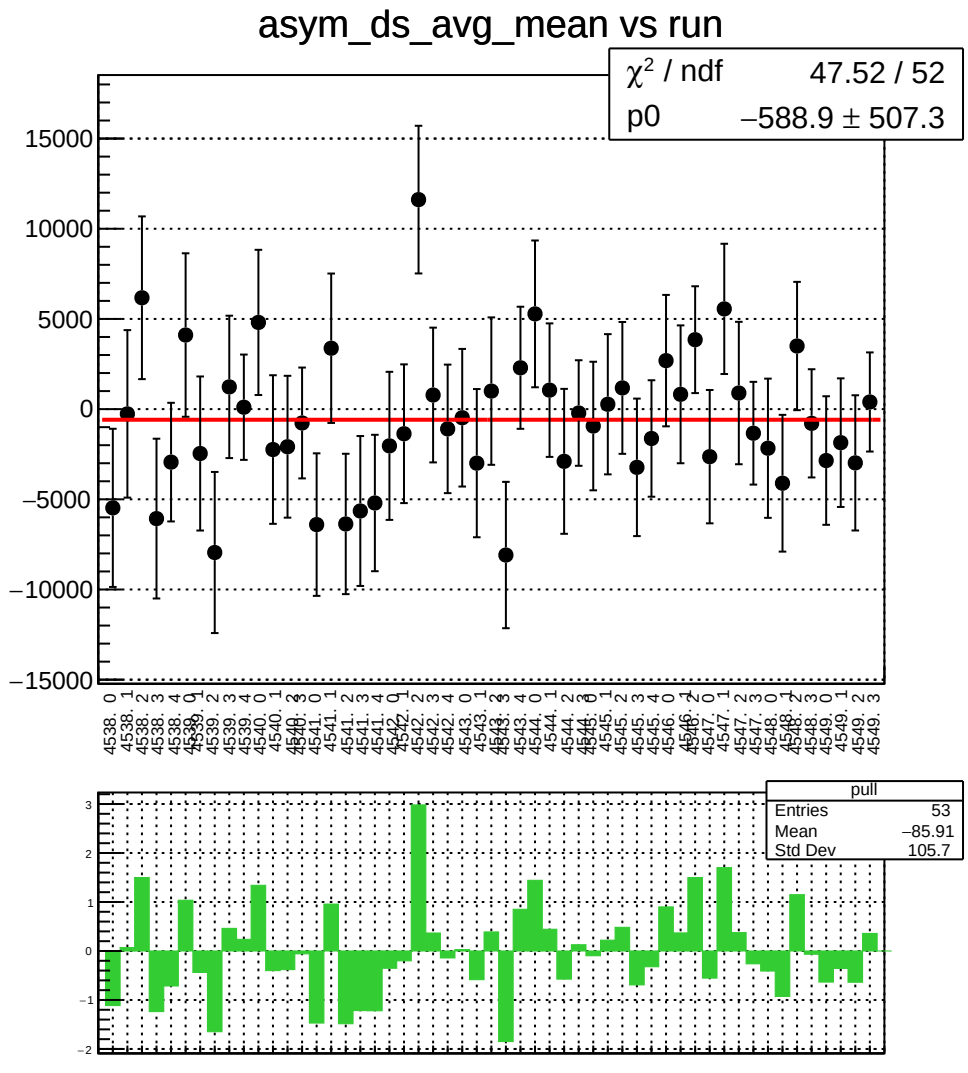
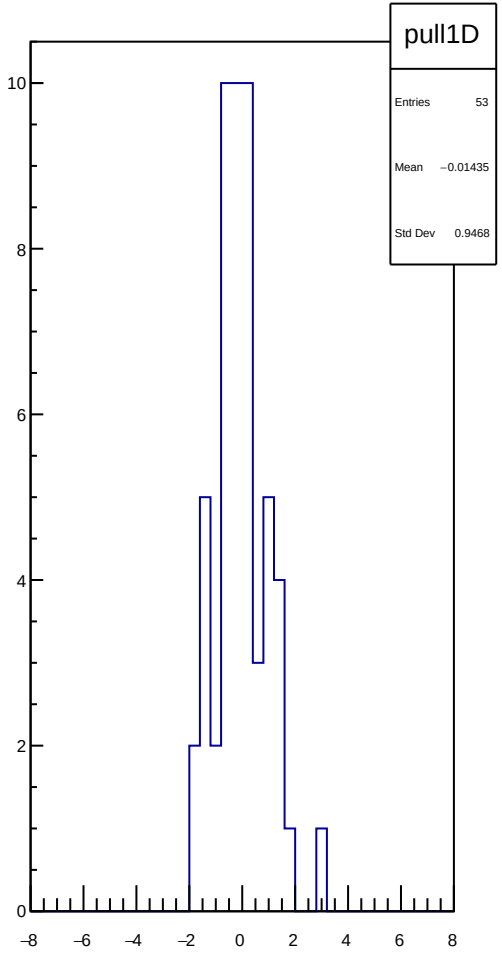
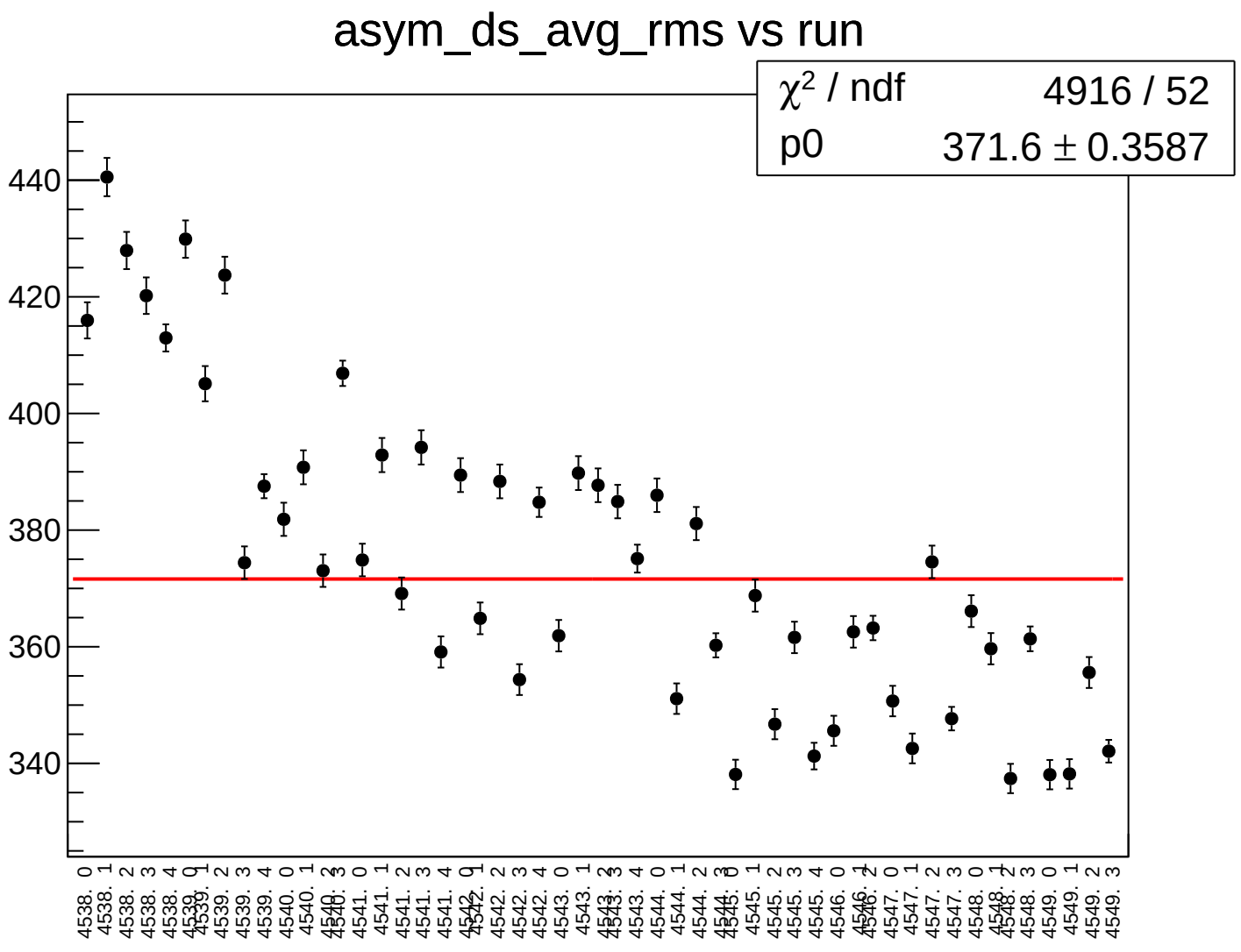
4549. 2
4549. 3


asym_ds_avg_mean vs run
χ² / ndf 47.52 / 52
p0 −588.9 ± 507.3
pull
Entries 53
Mean −85.91
Std Dev 105.7


pull1D
Entries 53
Mean −0.01435
Std Dev 0.9468


asym_ds_avg_rms vs run
χ² / ndf 4916 / 52
p0 371.6 ± 0.3587
440
420
400
380
360
340
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
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4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
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4546. 1
4546. 2
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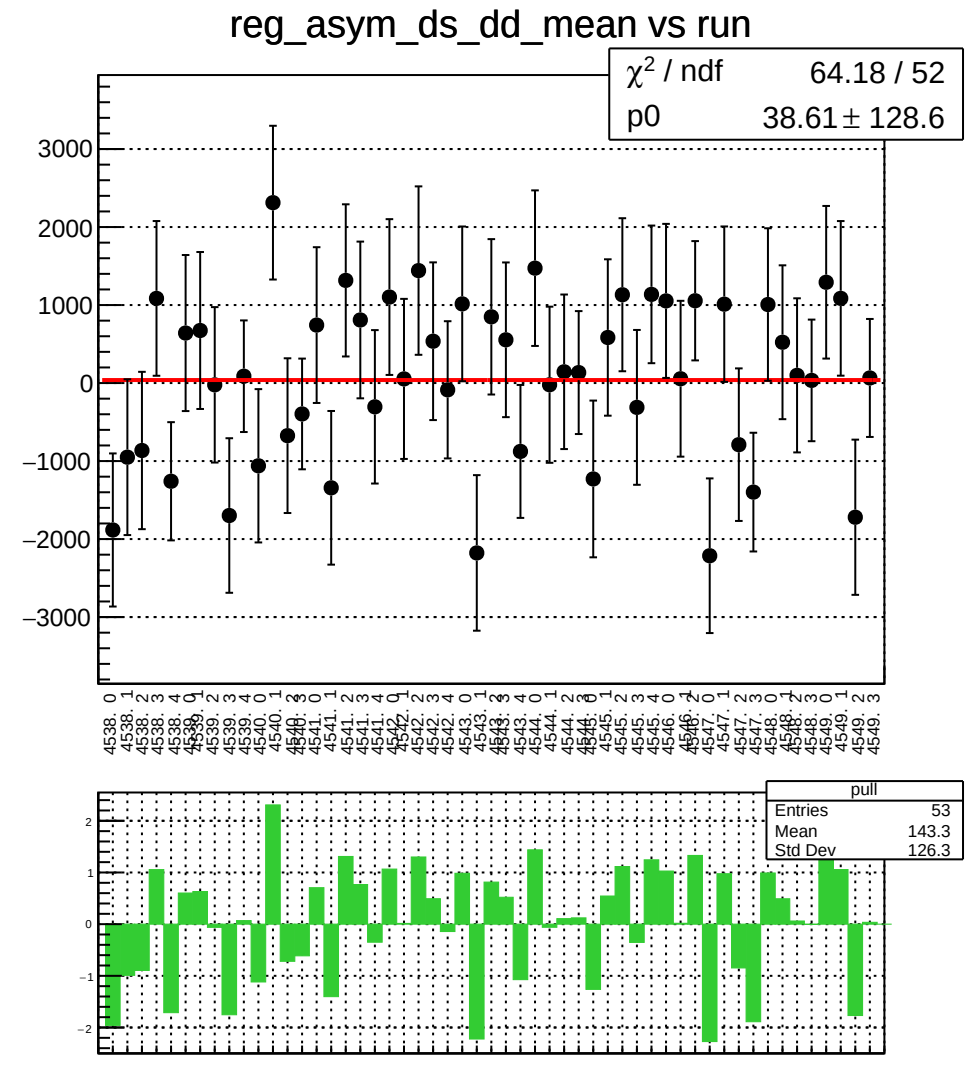
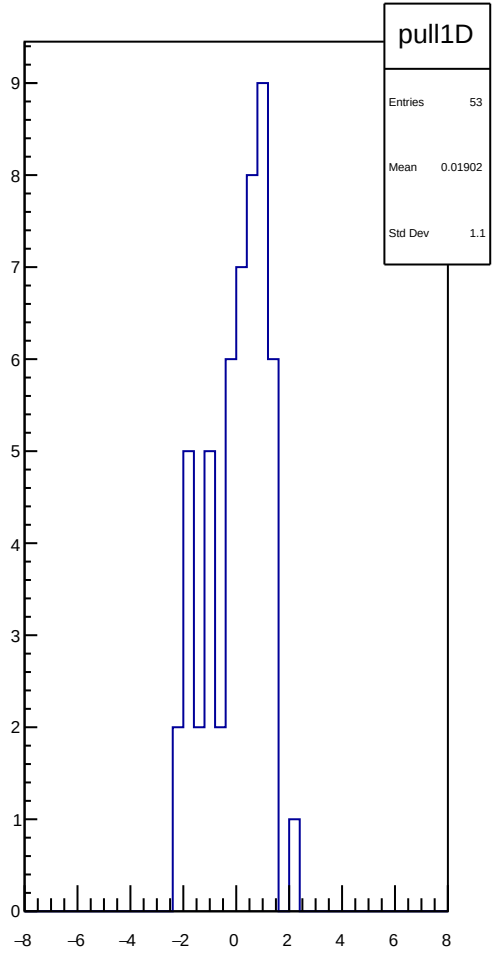
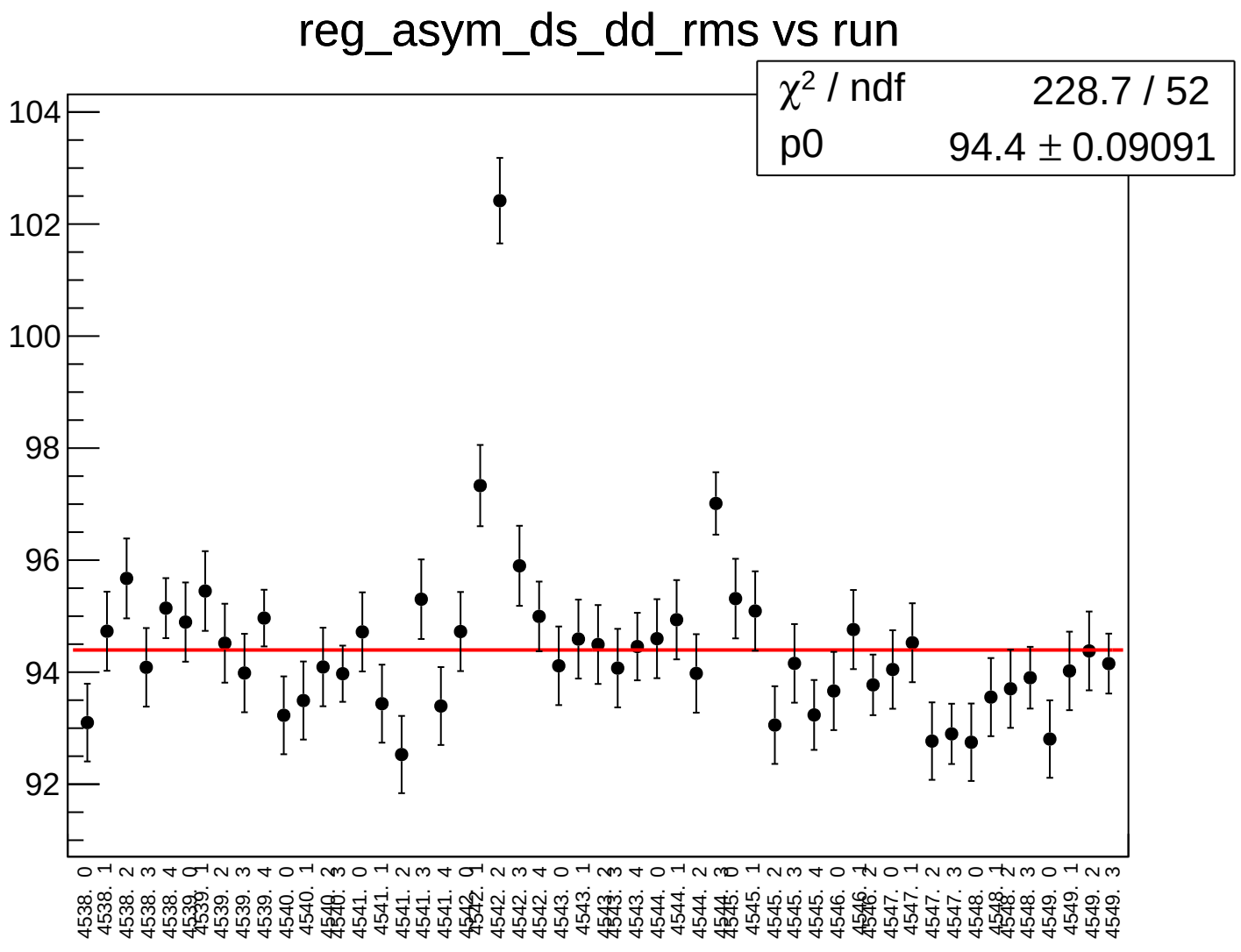
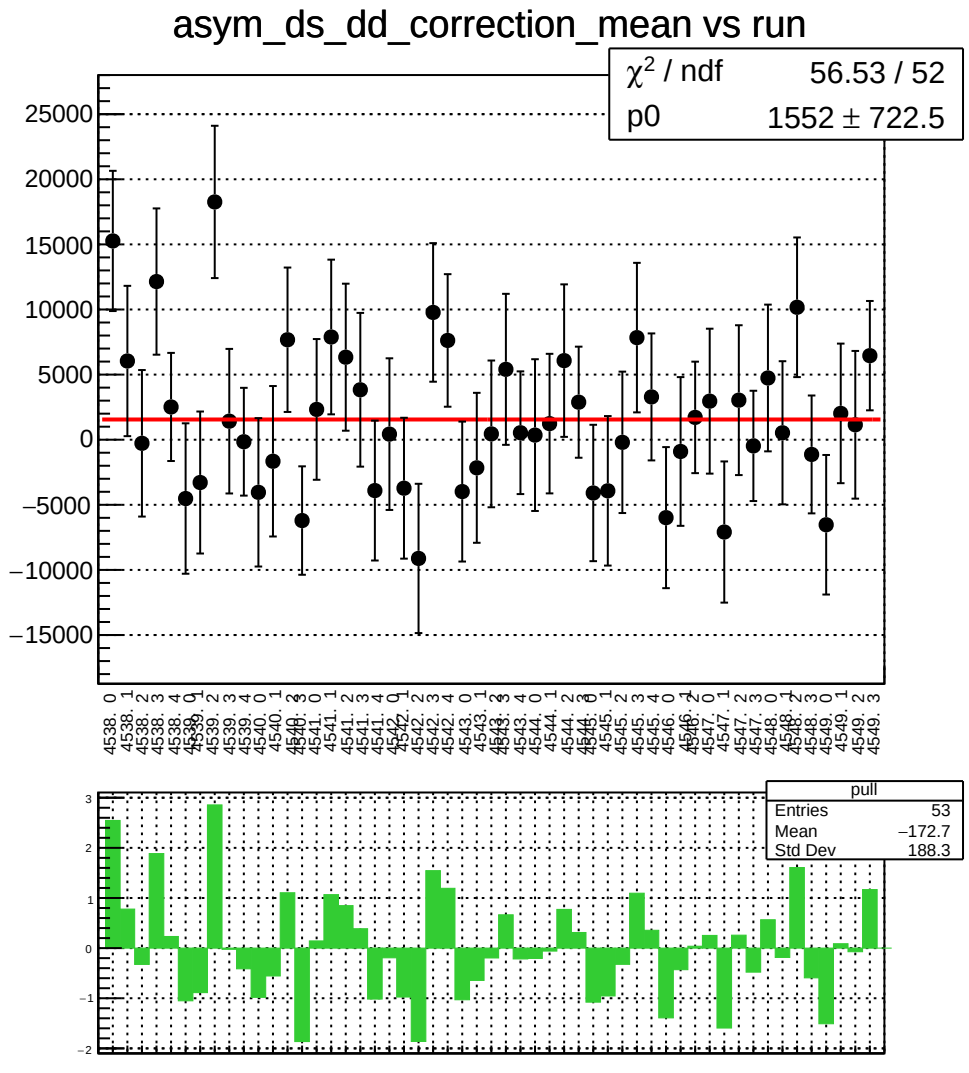
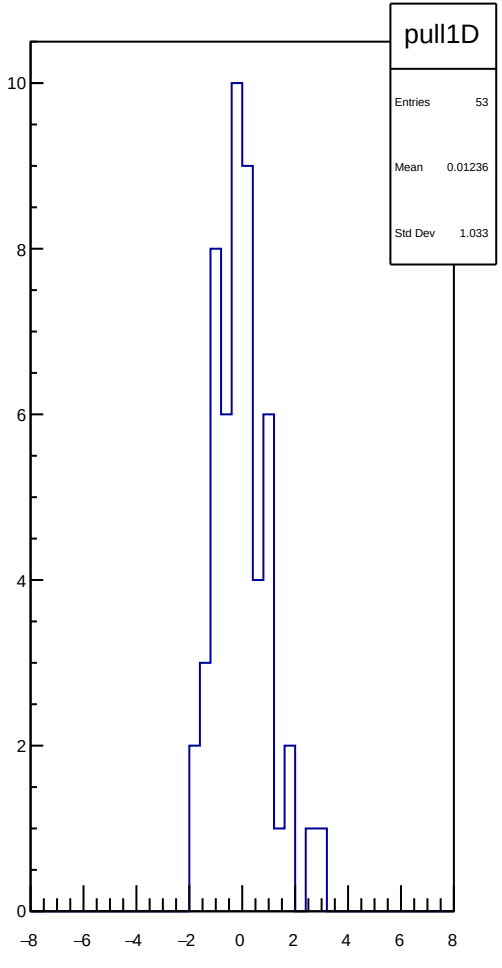
4549. 2
4549. 3

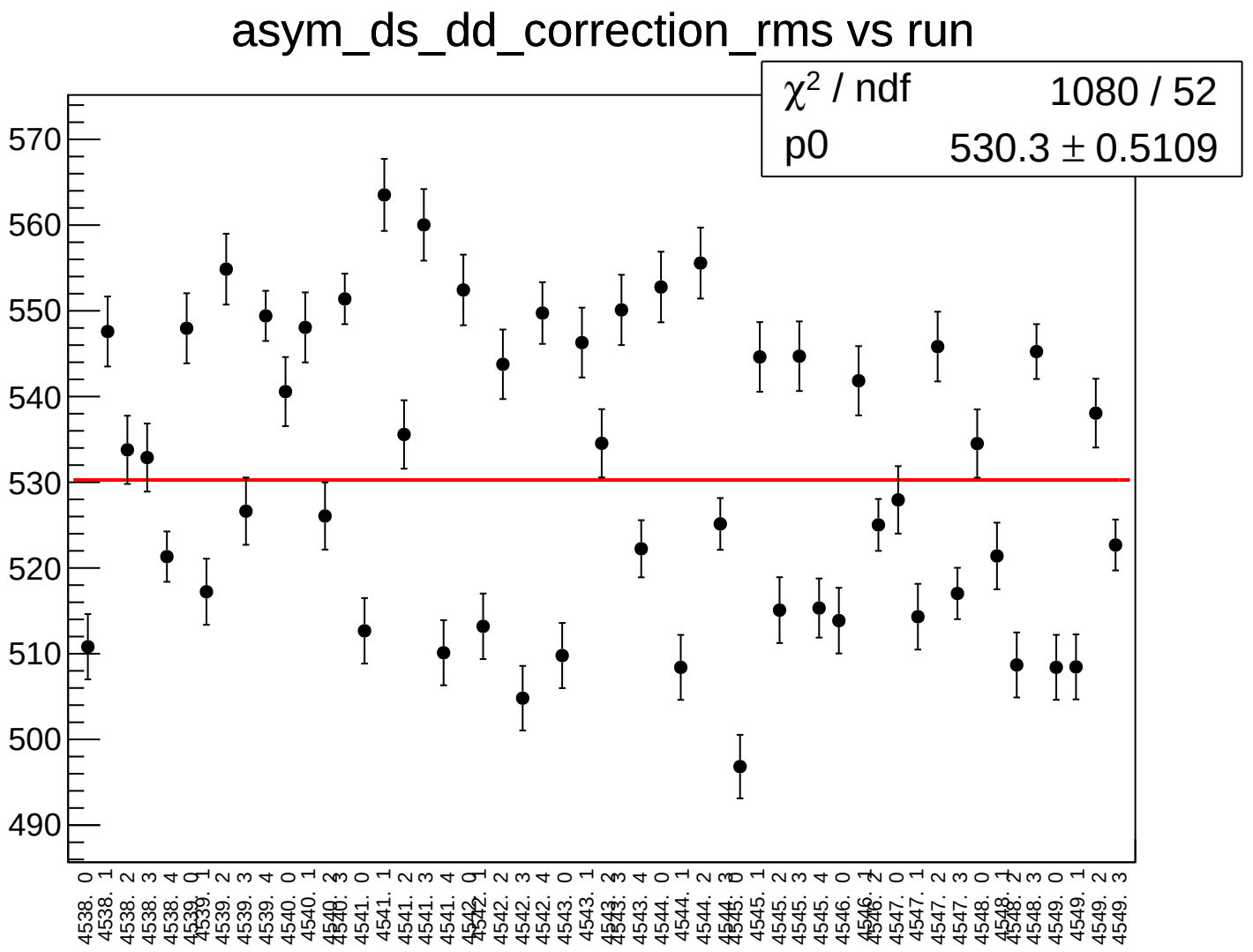

reg_asym_ds_dd_mean vs run
χ² / ndf 64.18 / 52
p0 38.61 ± 128.6
pull
Entries 53
Mean 143.3
Std Dev 126.3

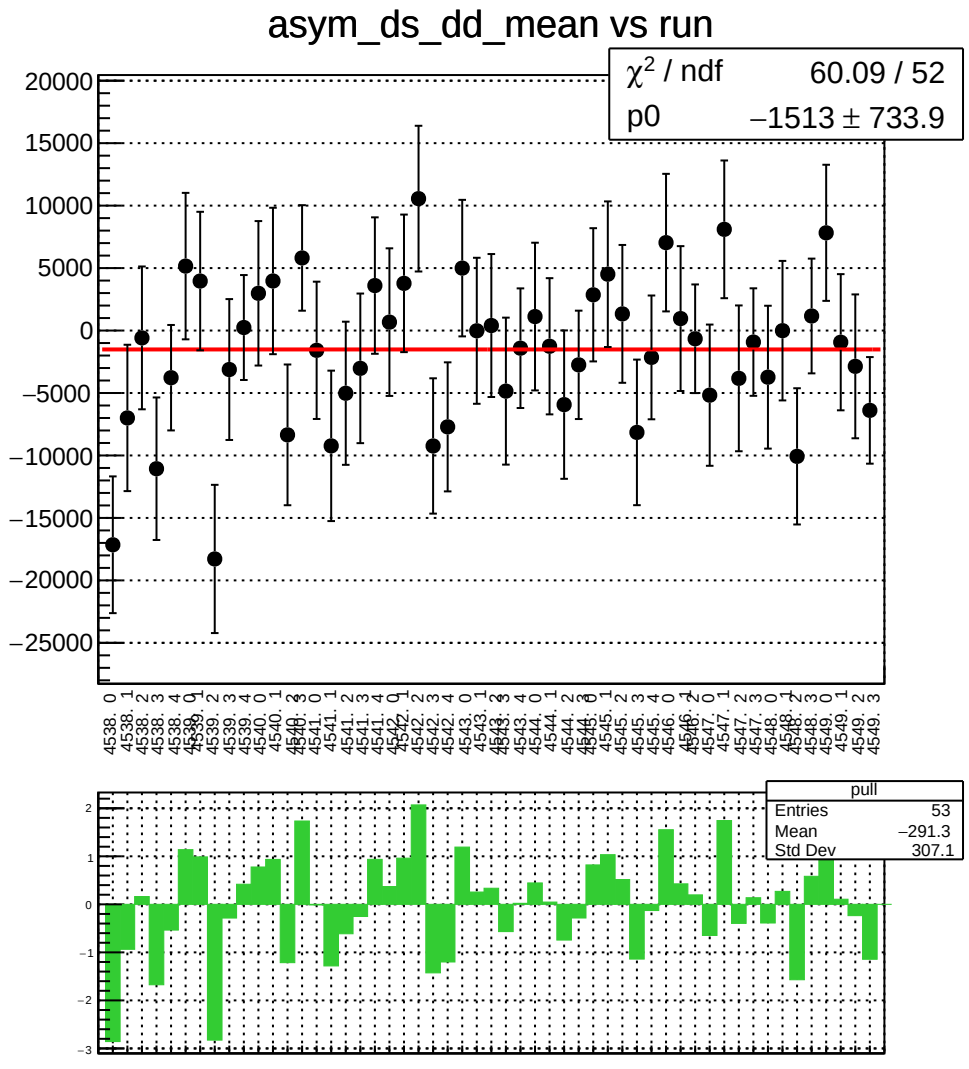

pull1D
Entries 53
Mean 0.01902
Std Dev 1.1

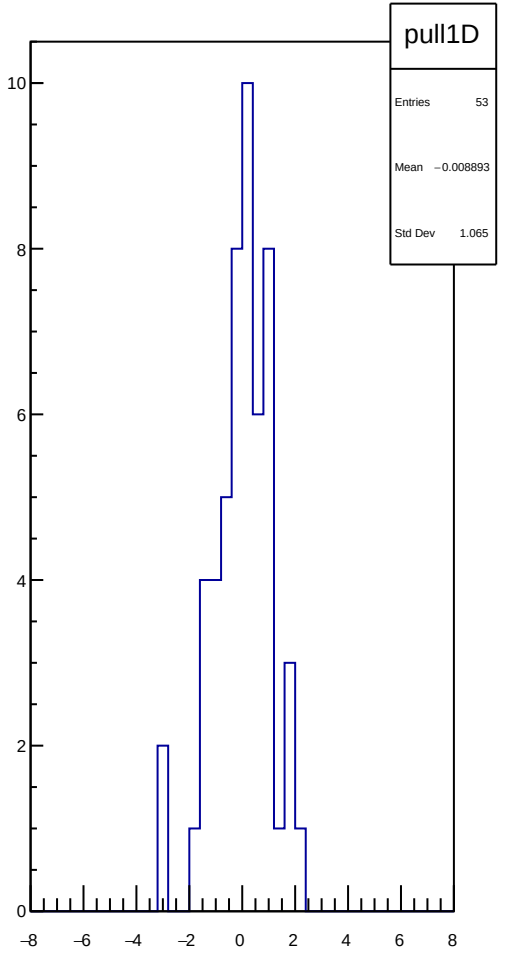

reg_asym_ds_dd_rms vs run
χ² / ndf 228.7 / 52
p0 94.4 ± 0.09091
104
102
100
98
96
94
92
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

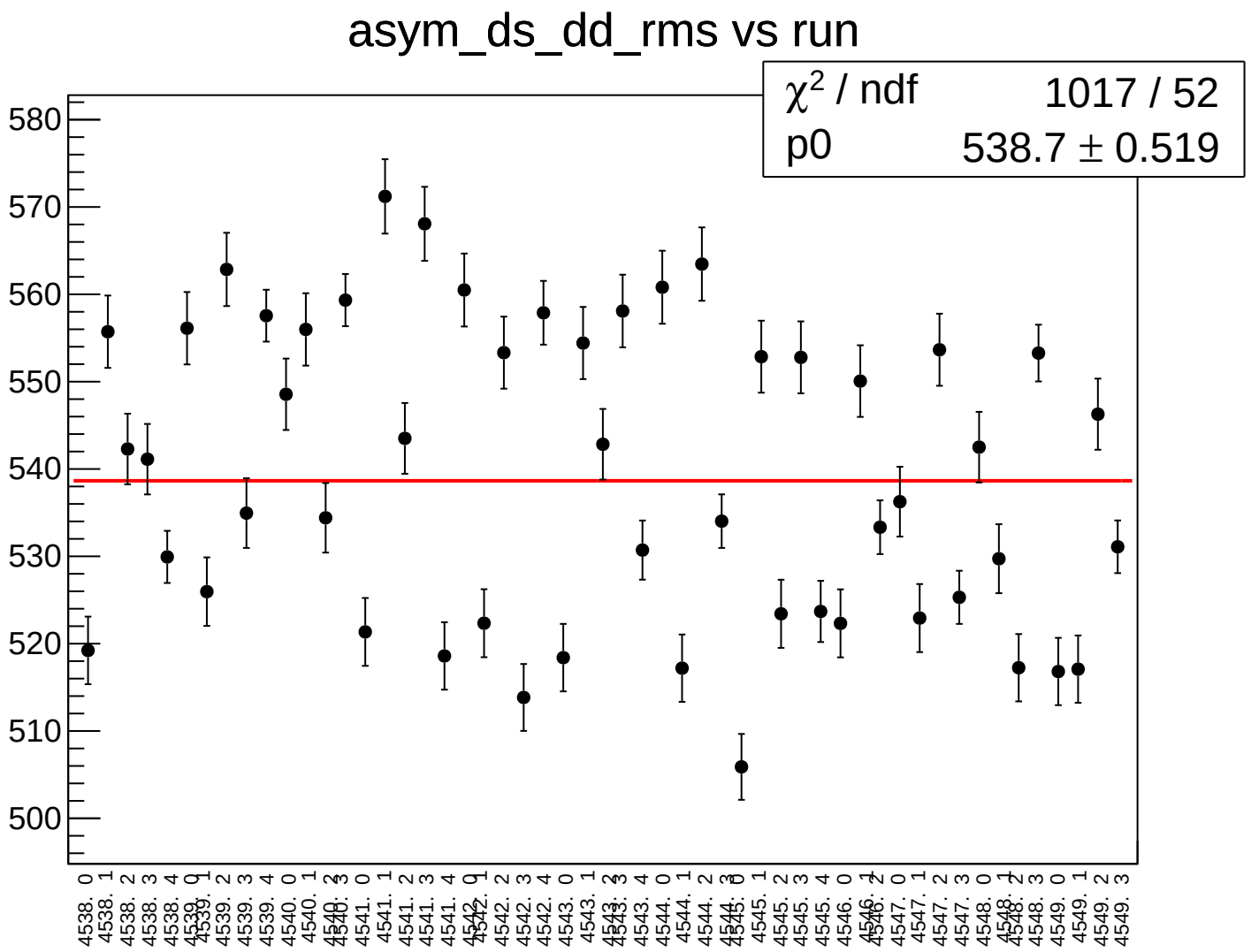

asym_ds_dd_correction_mean vs run
χ² / ndf 56.53 / 52
p0 1552 ± 722.5
pull
Entries 53
Mean −172.7
Std Dev 188.3

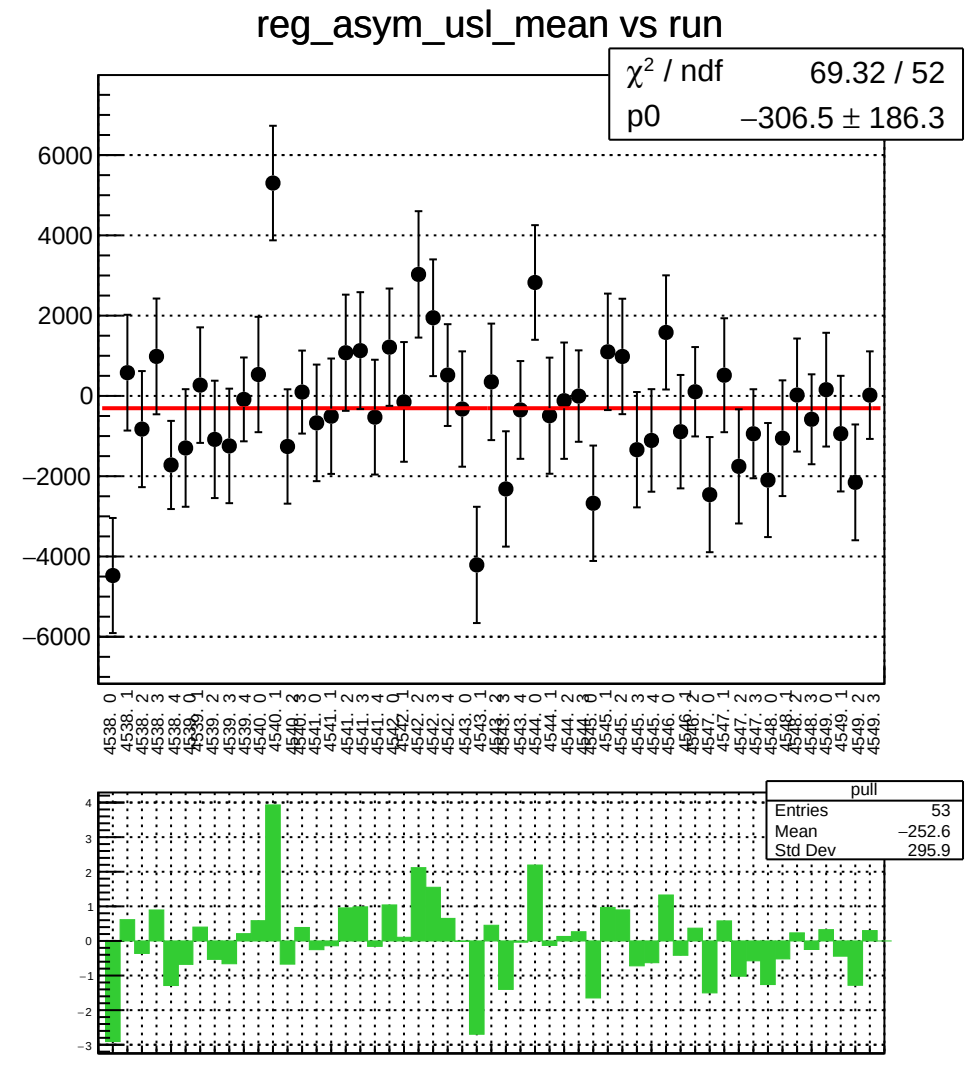

pull1D
Entries 53
Mean 0.01236
Std Dev 1.033

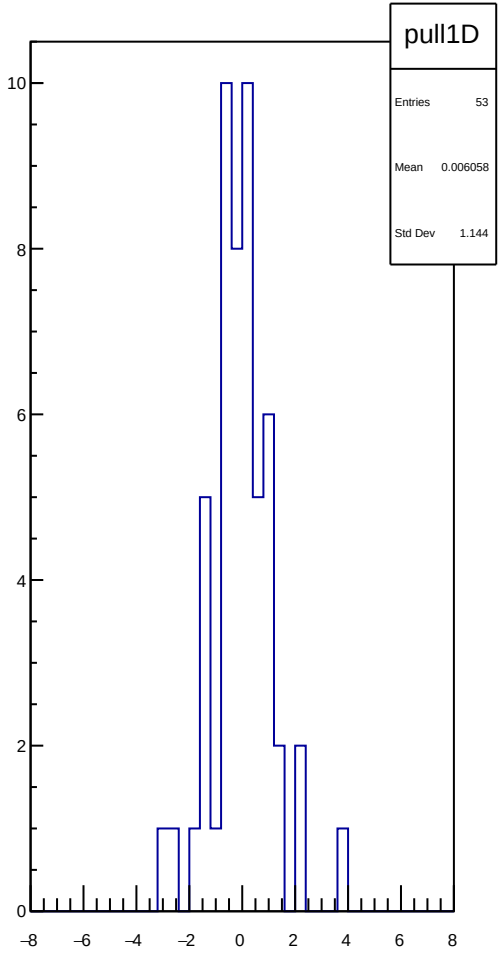

asym_ds_dd_correction_rms vs run
χ² / ndf 1080 / 52
p0 530.3 ± 0.5109
570
560
550
540
530
520
510
500
490
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

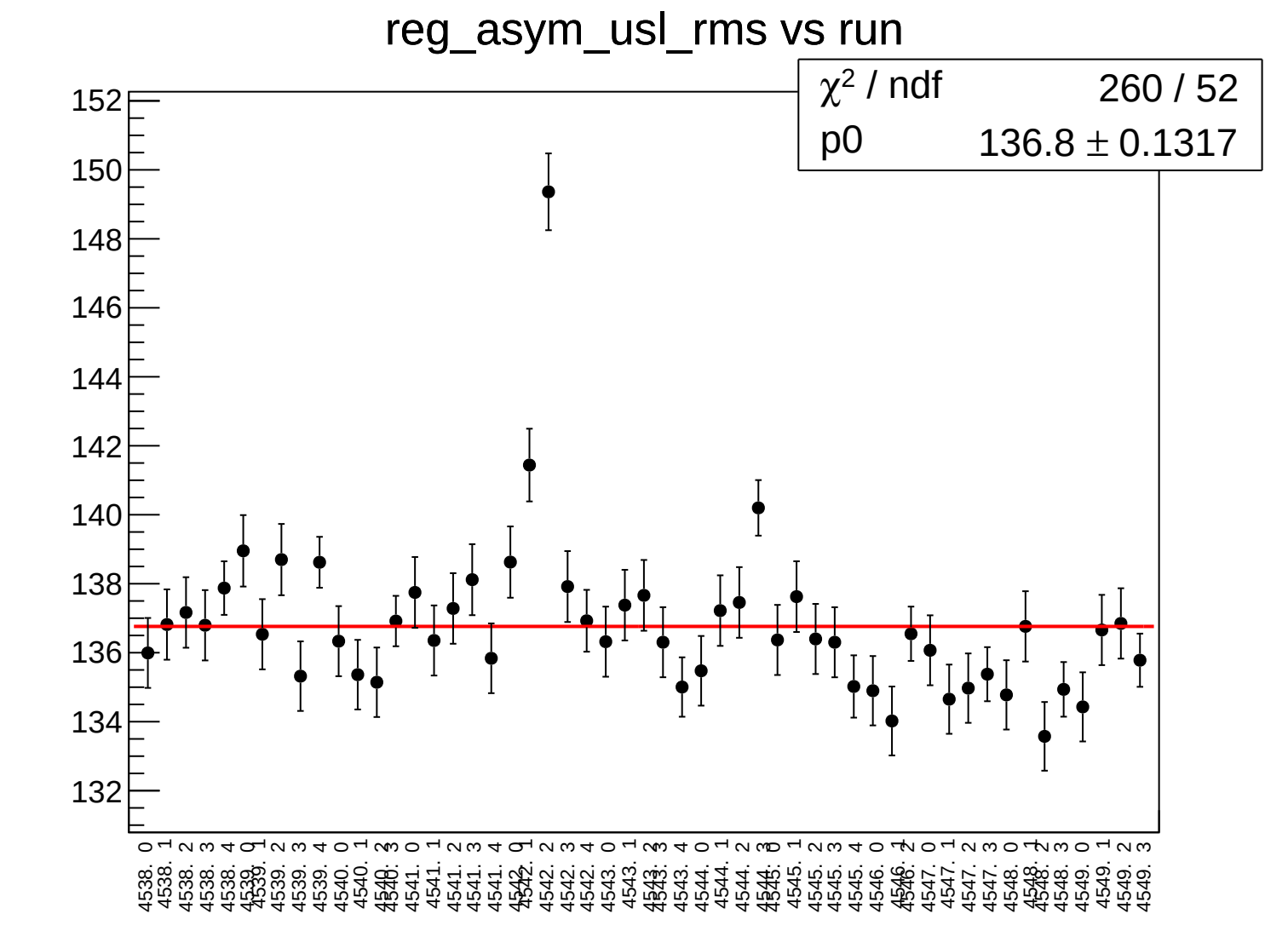

asym_ds_dd_mean vs run
χ² / ndf 60.09 / 52
p0 −1513 ± 733.9
pull
Entries 53
Mean −291.3
Std Dev 307.1

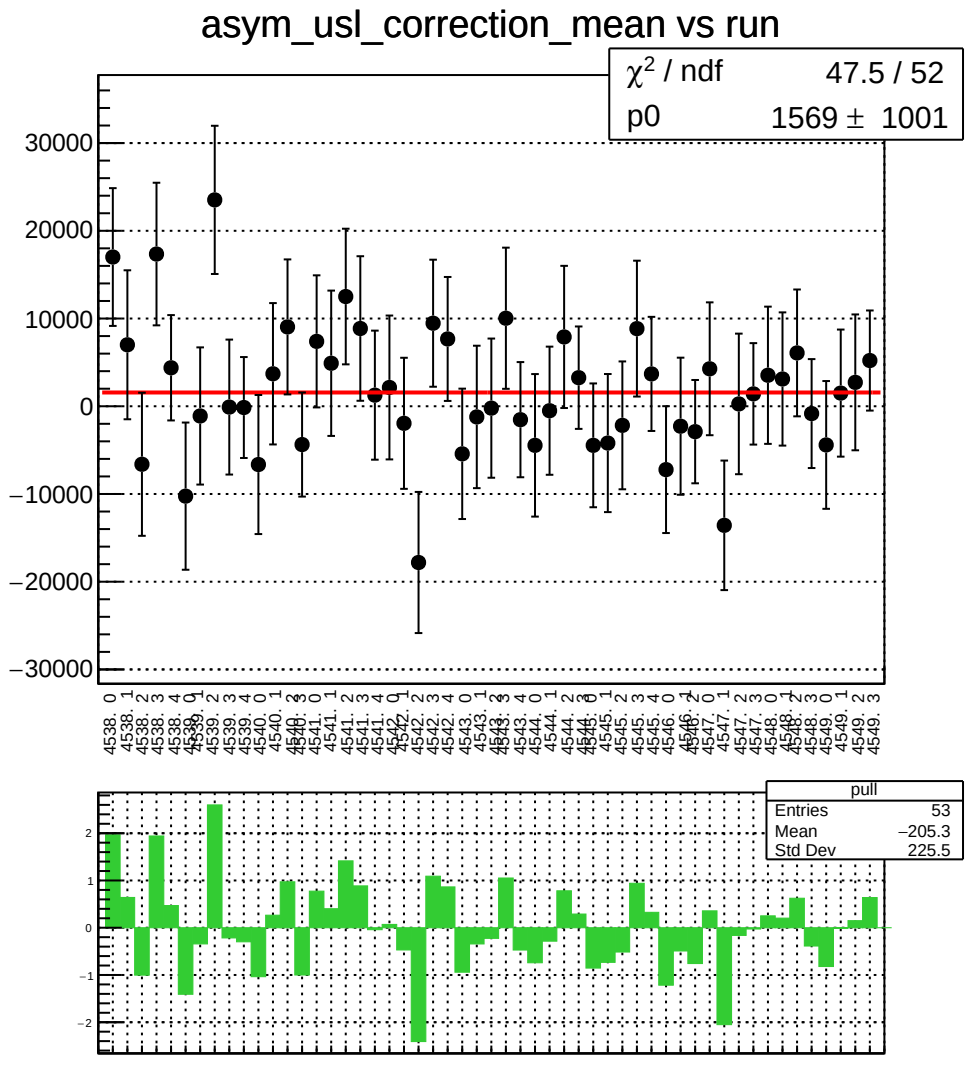

pull1D
Entries 53
Mean −0.008893
Std Dev 1.065

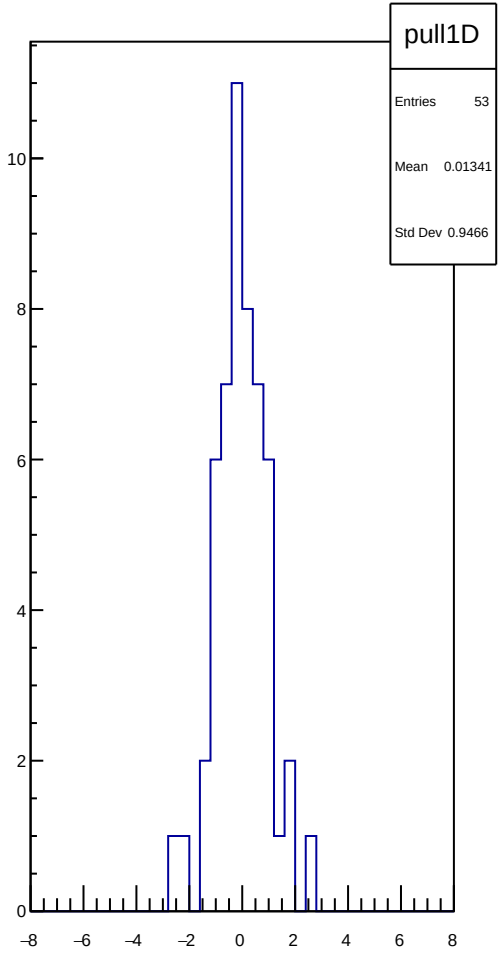

asym_ds_dd_rms vs run
χ² / ndf 1017 / 52
p0 538.7 ± 0.519
580
570
560
550
540
530
520
510
500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

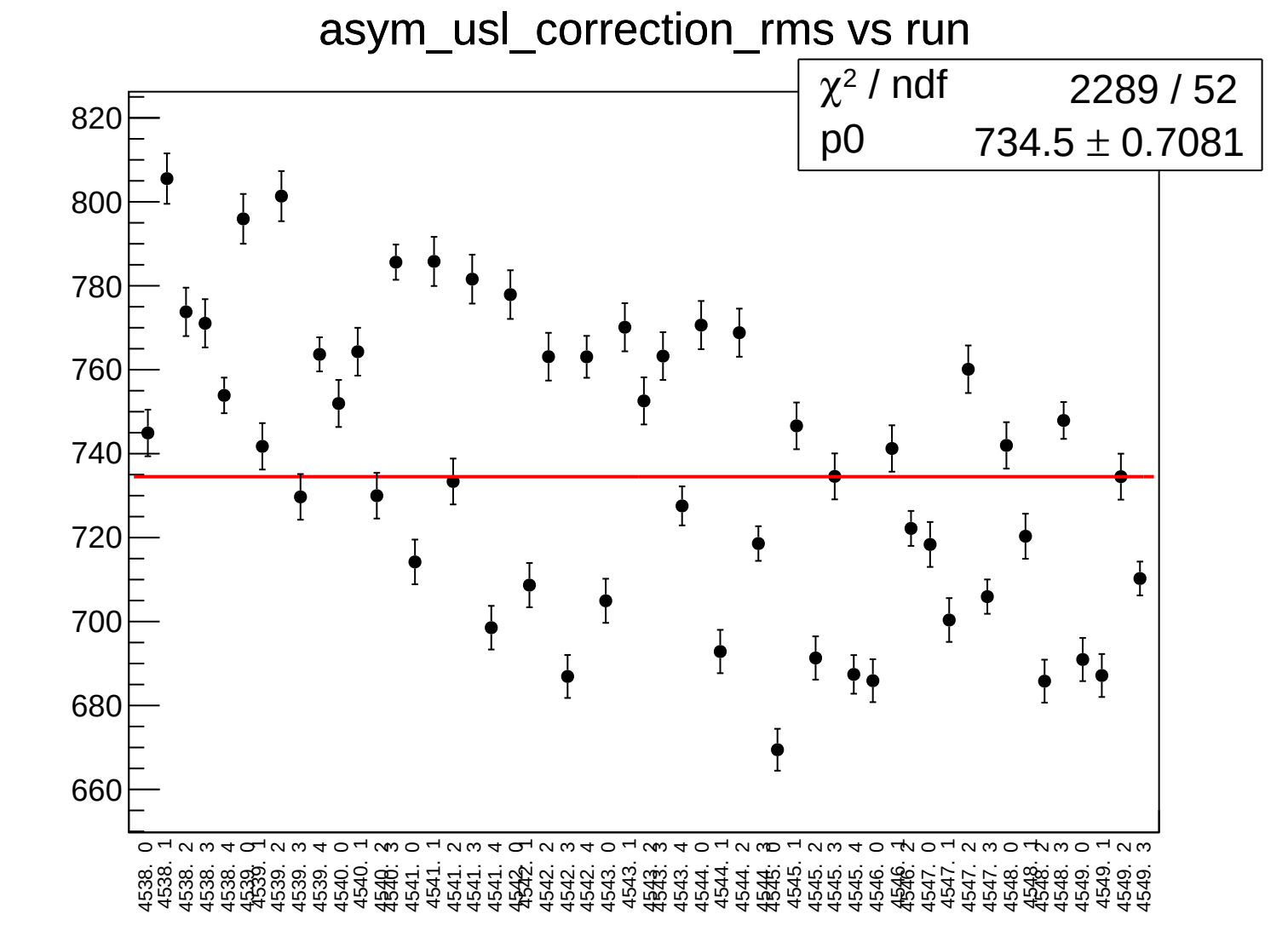

reg_asym_usl_mean vs run
χ² / ndf 69.32 / 52
p0 −306.5 ± 186.3
pull
Entries 53
Mean −252.6
Std Dev 295.9

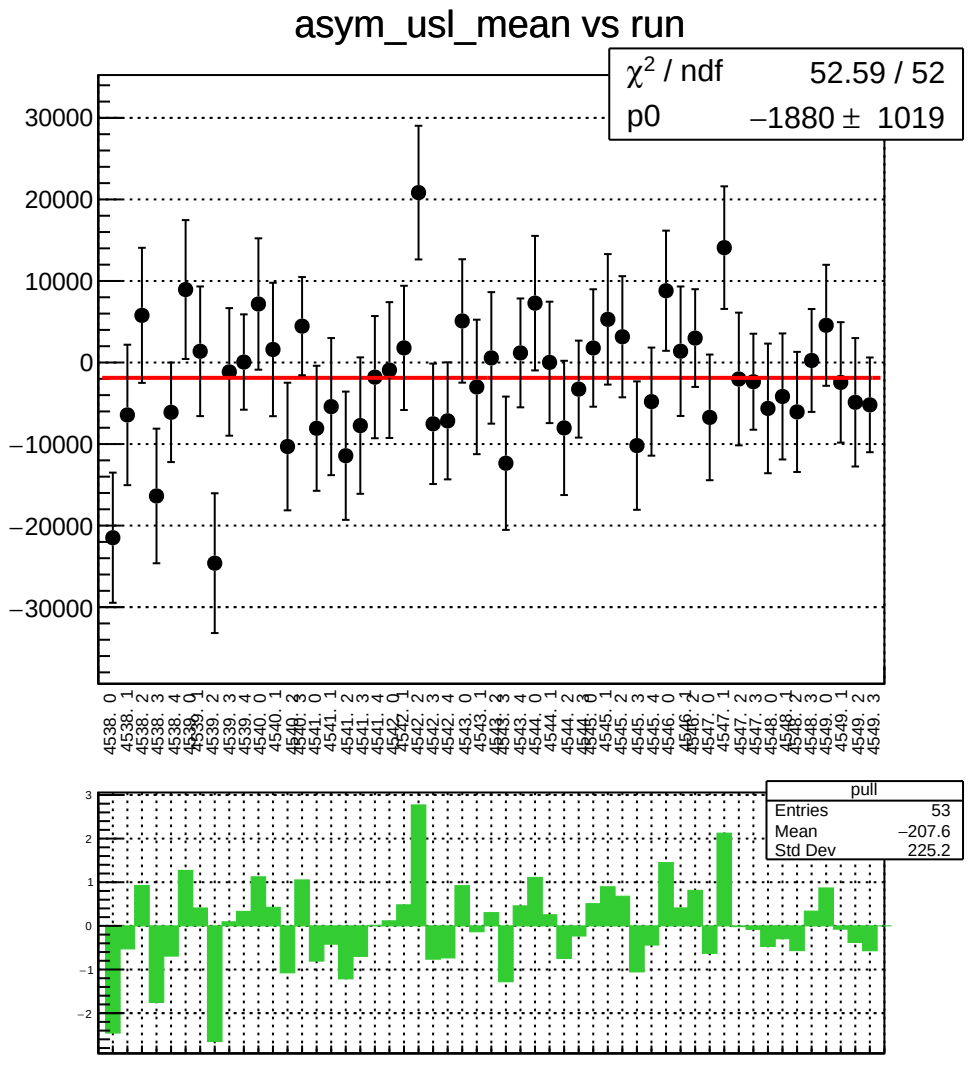

pull1D
Entries 53
Mean 0.006058
Std Dev 1.144

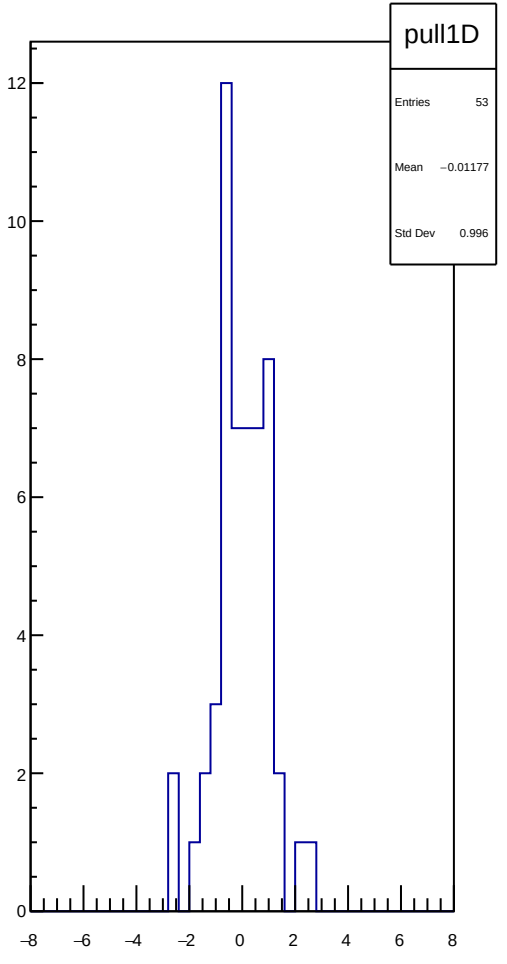

reg_asym_usl_rms vs run
χ² / ndf 260 / 52
p0 136.8 ± 0.1317
152
150
148
146
144
142
140
138
136
134
132
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

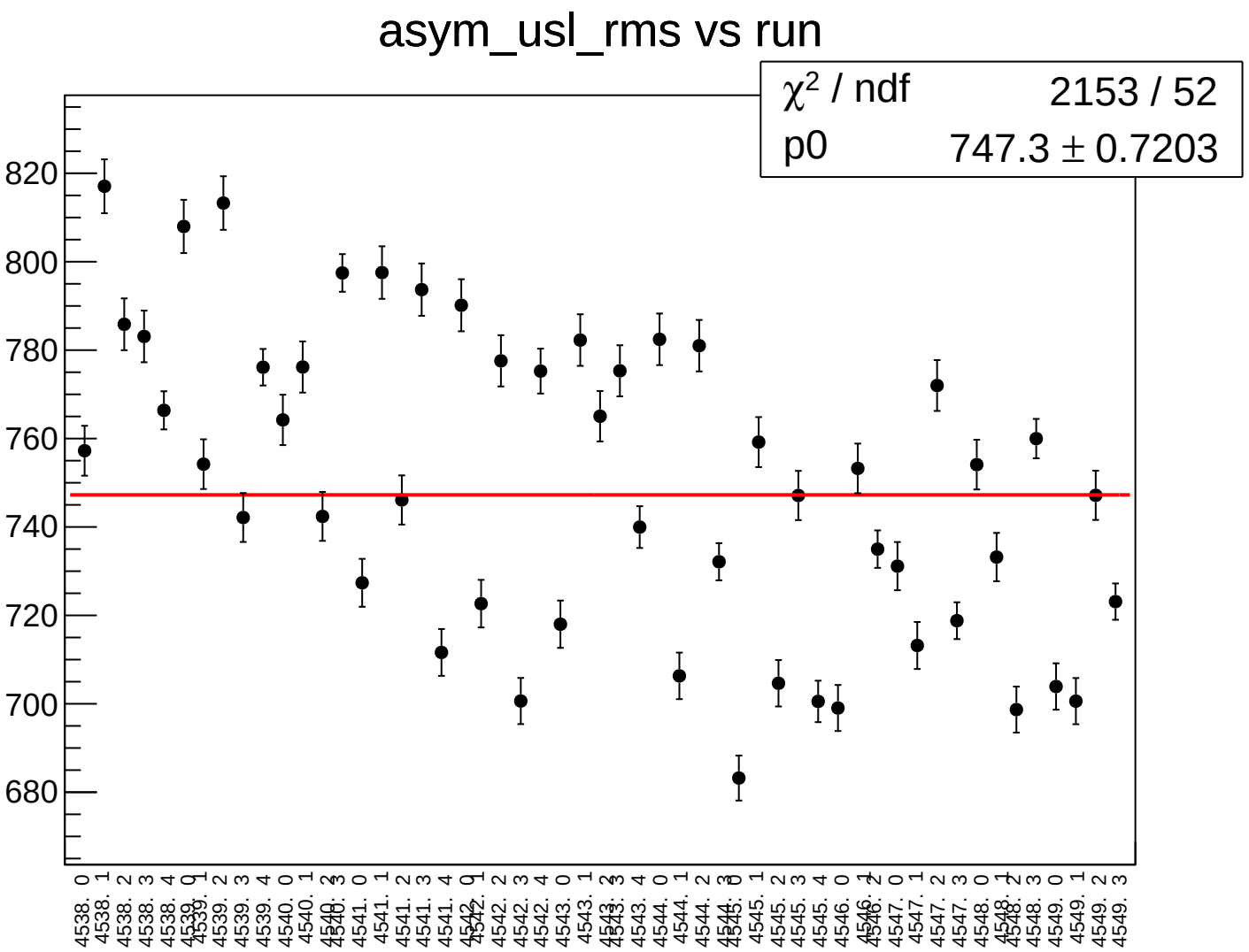

asym_usl_correction_mean vs run
χ² / ndf 47.5 / 52
p0 1569 ± 1001
pull
Entries 53
Mean −205.3
Std Dev 225.5

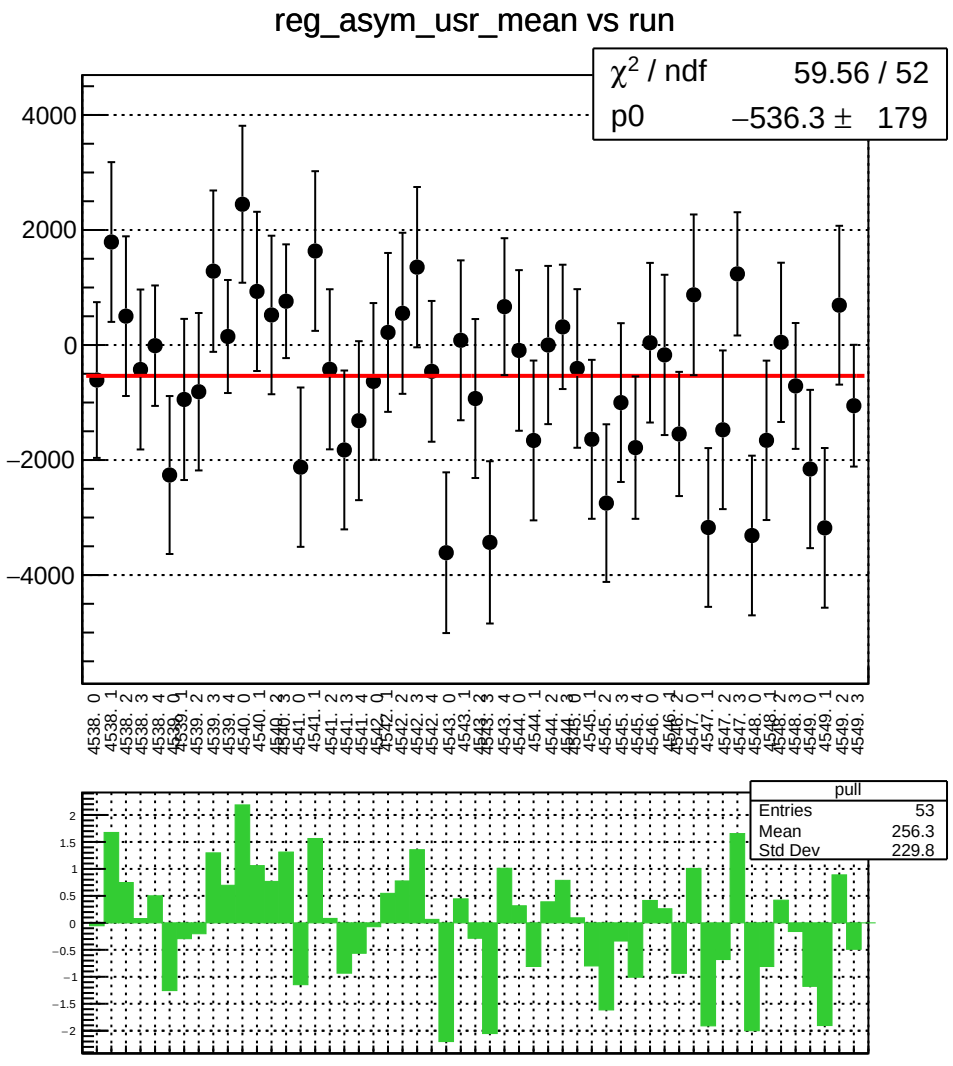

pull1D
Entries 53
Mean 0.01341
Std Dev 0.9466

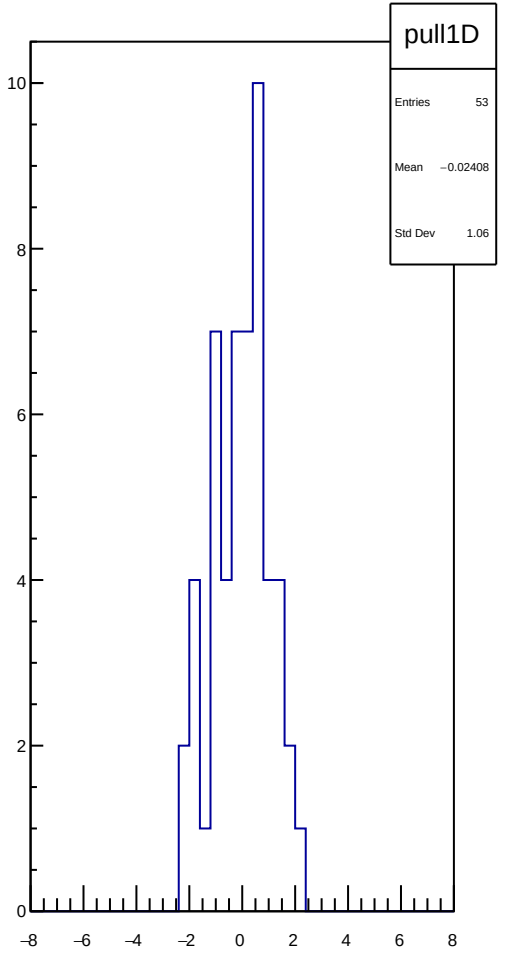

asym_usl_correction_rms vs run
χ² / ndf 2289 / 52
p0 734.5 ± 0.7081
820
800
780
760
740
720
700
680
660
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

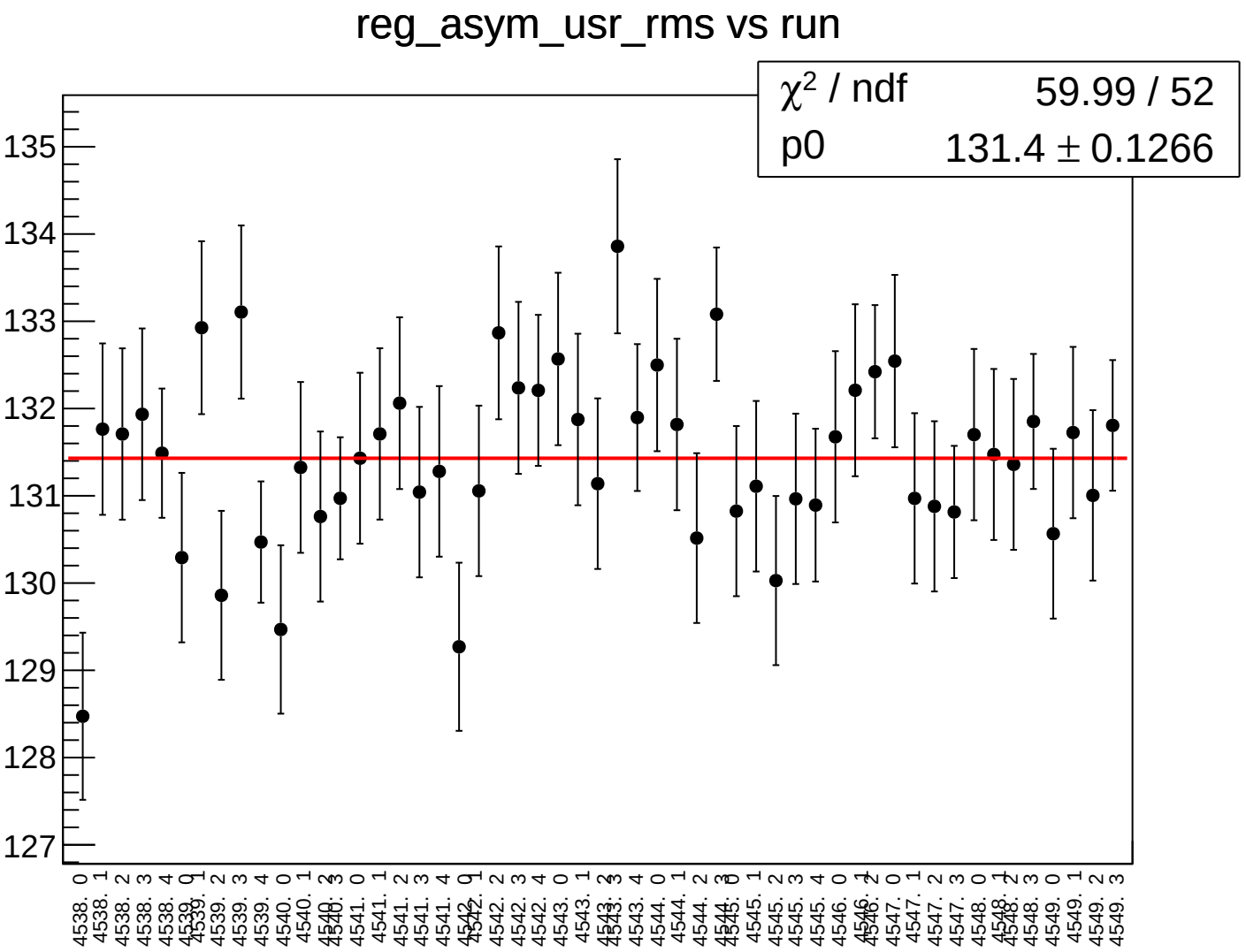

asym_usl_mean vs run
χ² / ndf 52.59 / 52
p0 −1880 ± 1019
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −207.6
Std Dev 225.2
3
2
1
0
−1
−2

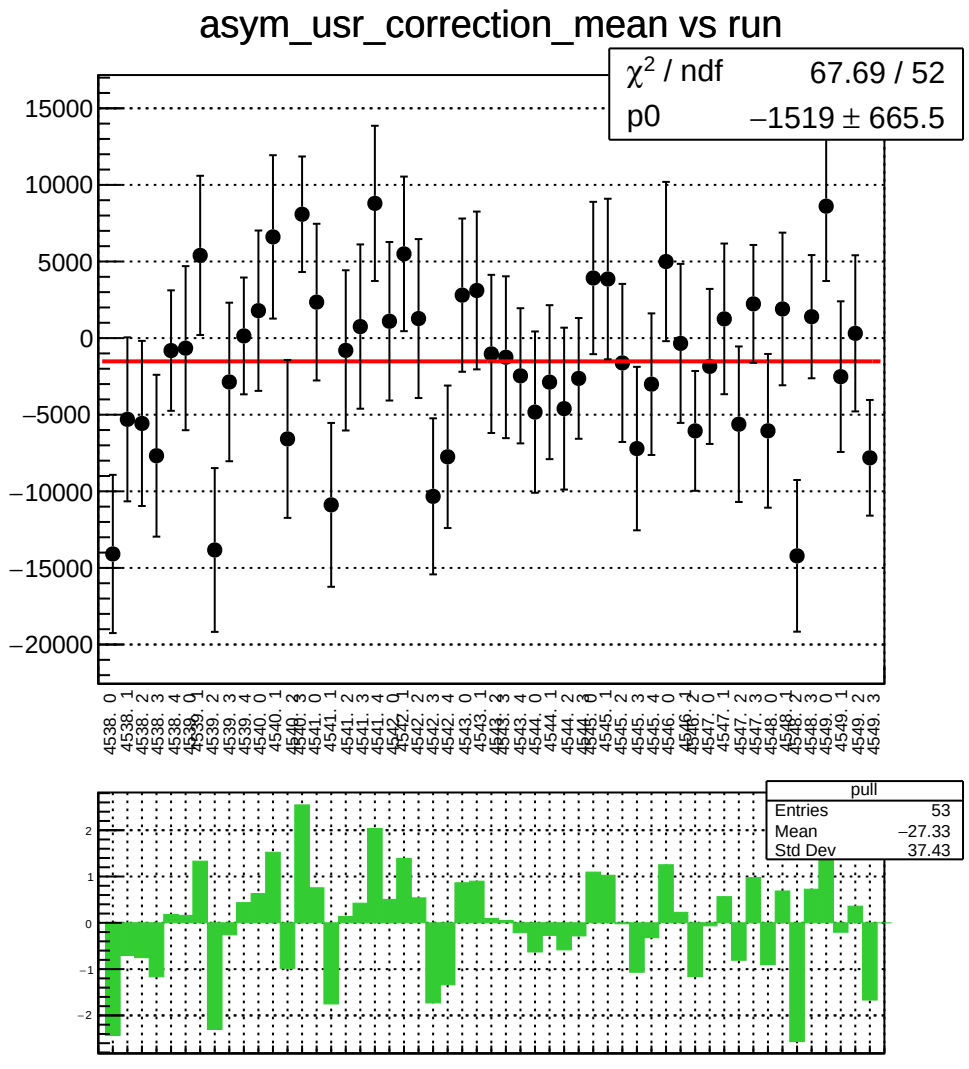

pull1D
Entries 53
Mean −0.01177
Std Dev 0.996
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

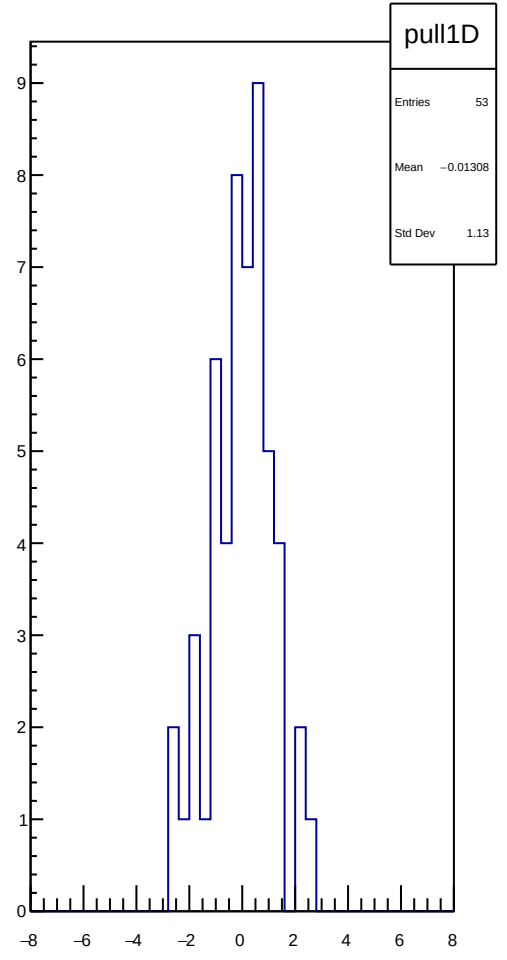

asym_usl_rms vs run
χ² / ndf 2153 / 52
p0 747.3 ± 0.7203
820
800
780
760
740
720
700
680
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

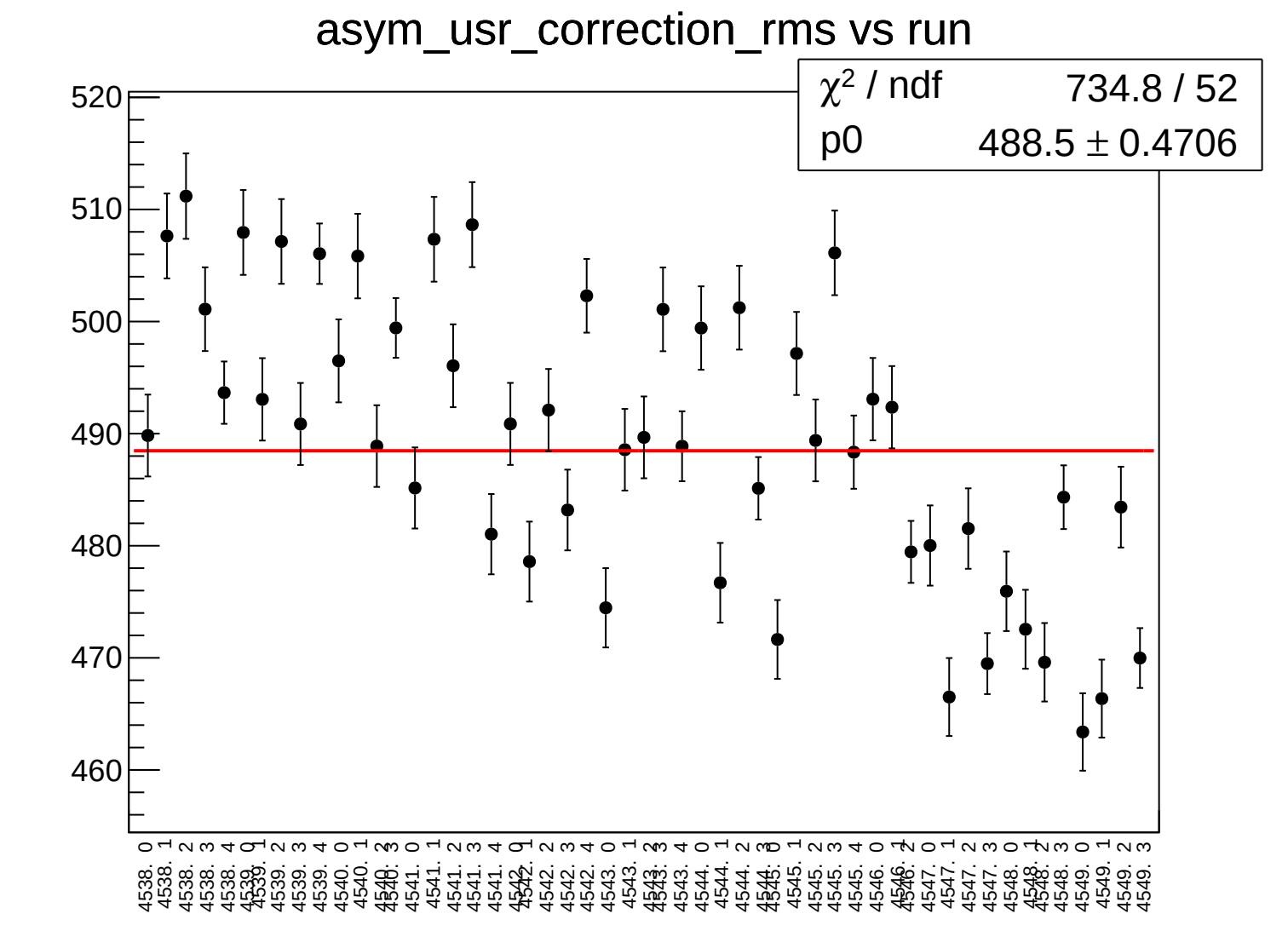

reg_asym_usr_mean vs run
χ^2 / ndf 59.56 / 52
p0 −536.3 ± 179
4000
2000
0
−2000
−4000
pull
Entries 53
Mean 256.3
Std Dev 229.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

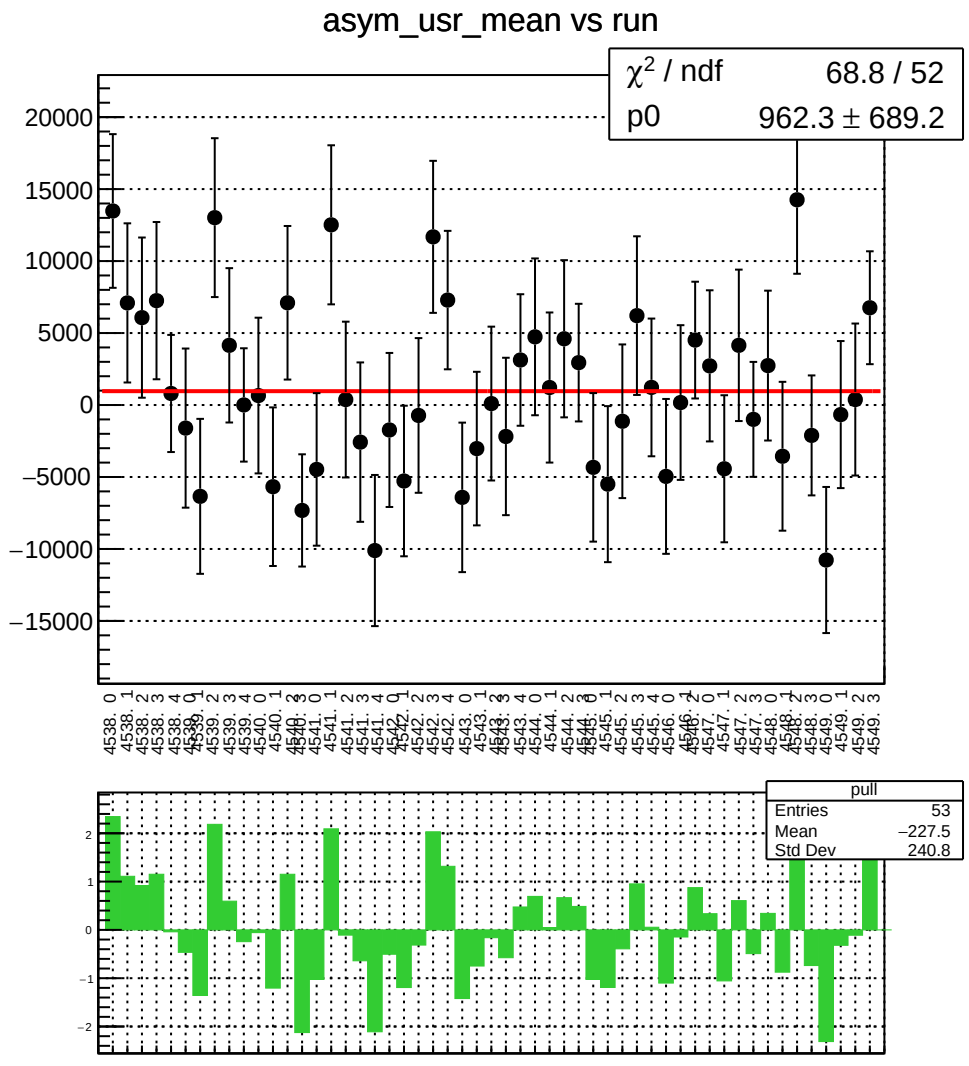

pull1D
Entries 53
Mean −0.02408
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

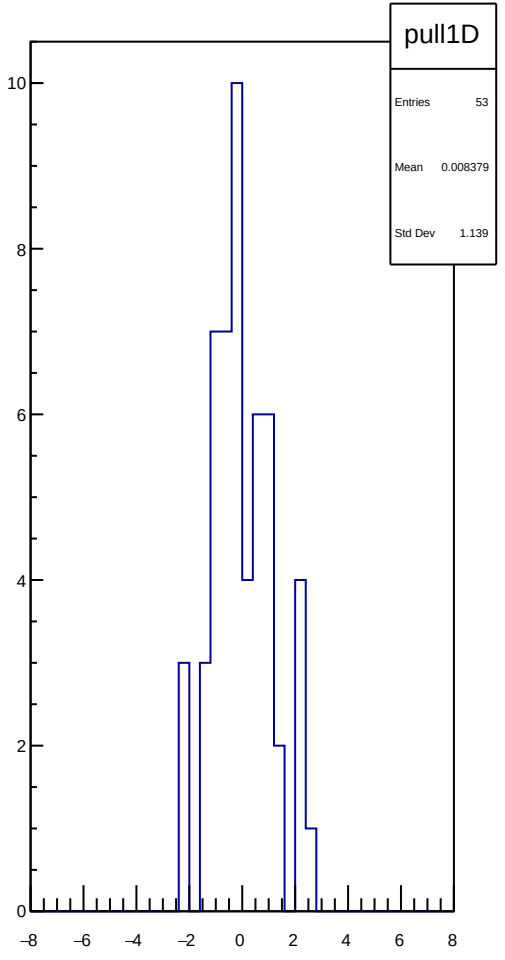

reg_asym_usr_rms vs run
χ² / ndf 59.99 / 52
p0 131.4 ± 0.1266
135
134
133
132
131
130
129
128
127
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

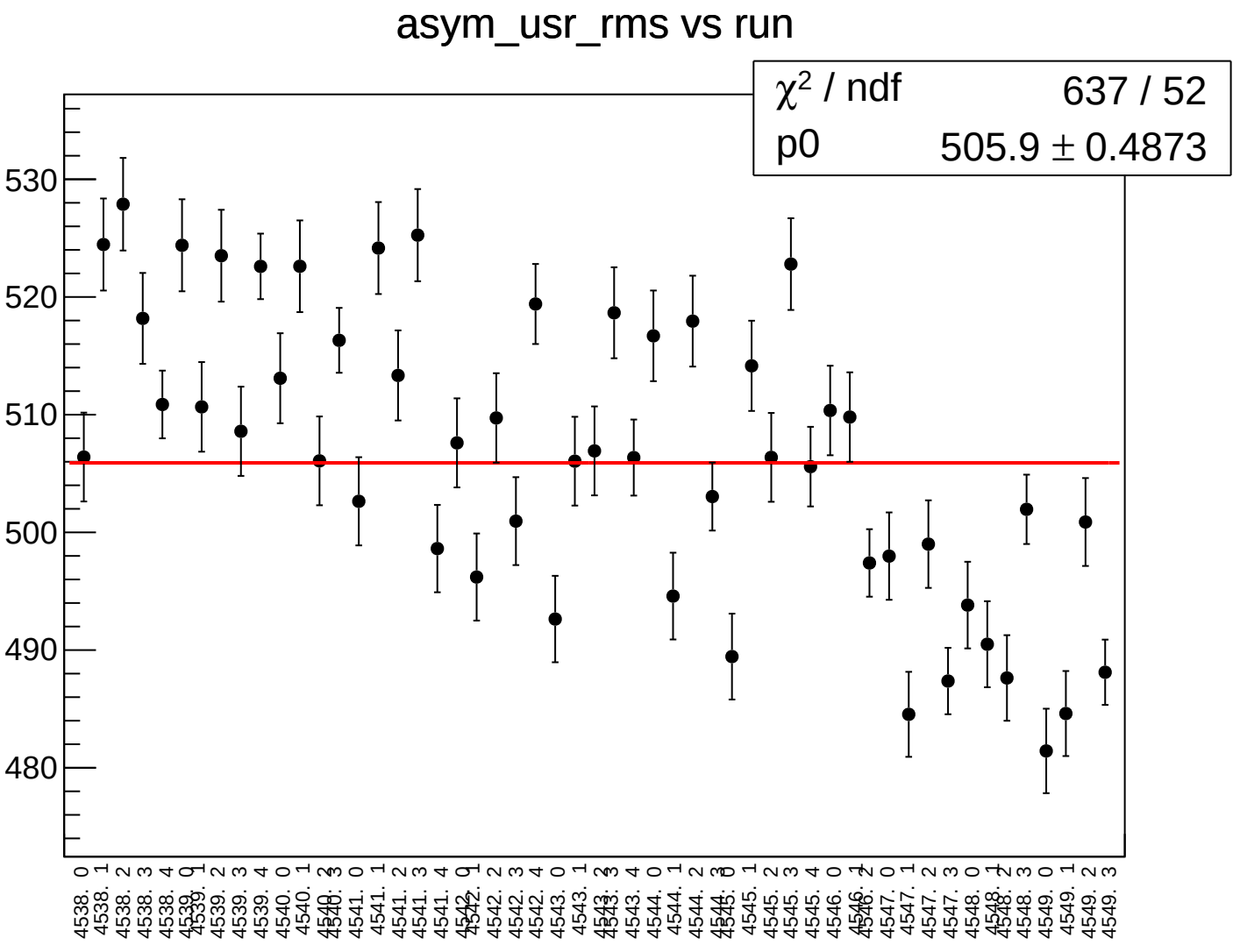

asym_usr_correction_mean vs run
χ² / ndf 67.69 / 52
p0 −1519 ± 665.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean −27.33
Std Dev 37.43
2
1
0
−1
−2

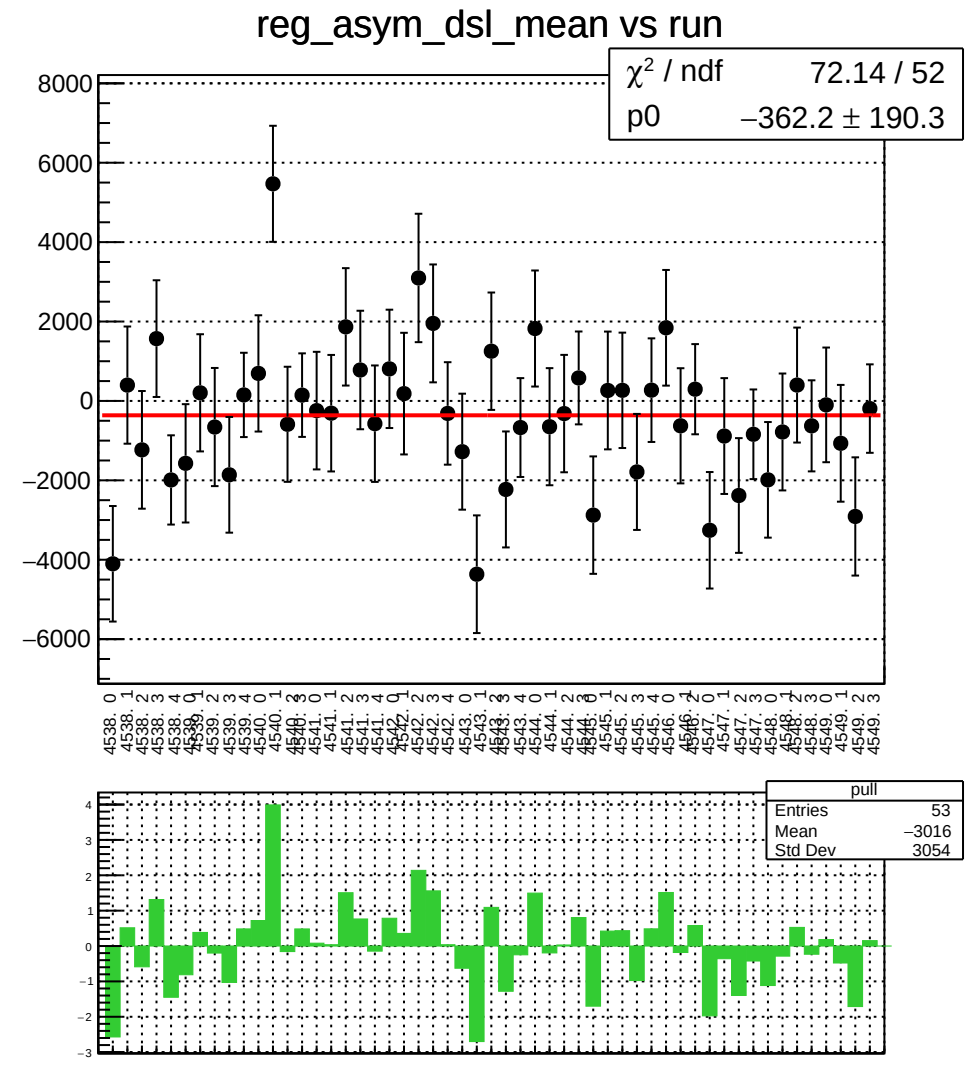

pull1D
Entries 53
Mean −0.01308
Std Dev 1.13
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

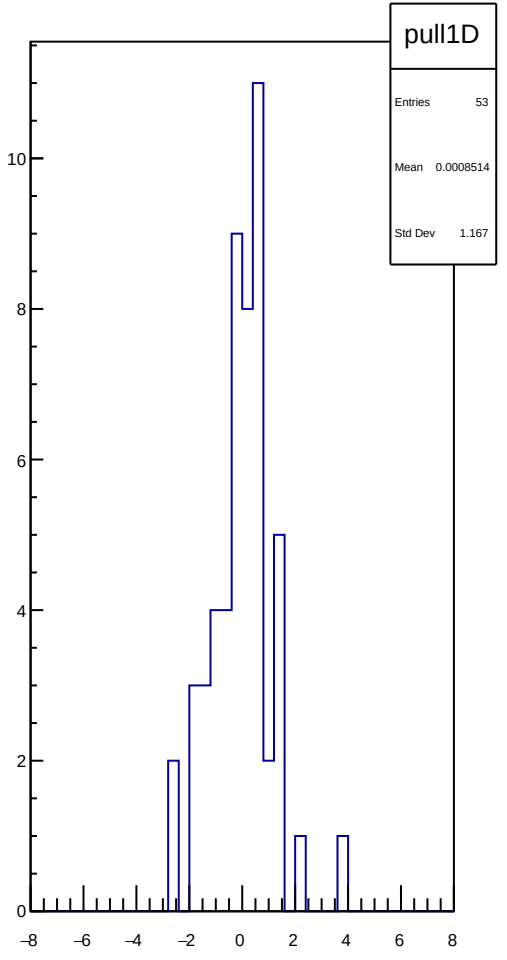

asym_usr_correction_rms vs run
χ² / ndf 734.8 / 52
p0 488.5 ± 0.4706
520
510
500
490
480
470
460
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

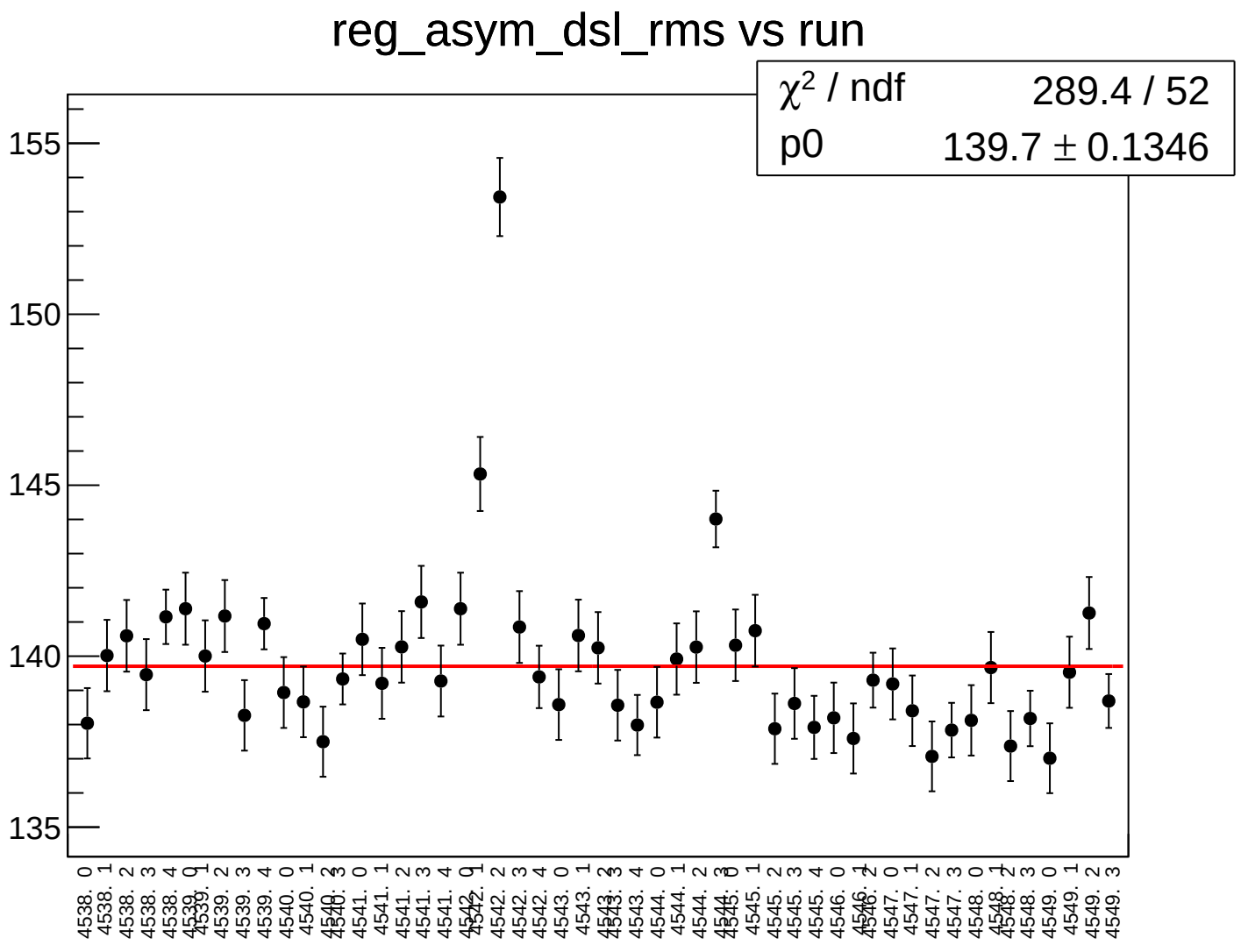

asym_usr_mean vs run
χ² / ndf 68.8 / 52
p0 962.3 ± 689.2
pull
Entries 53
Mean −227.5
Std Dev 240.8

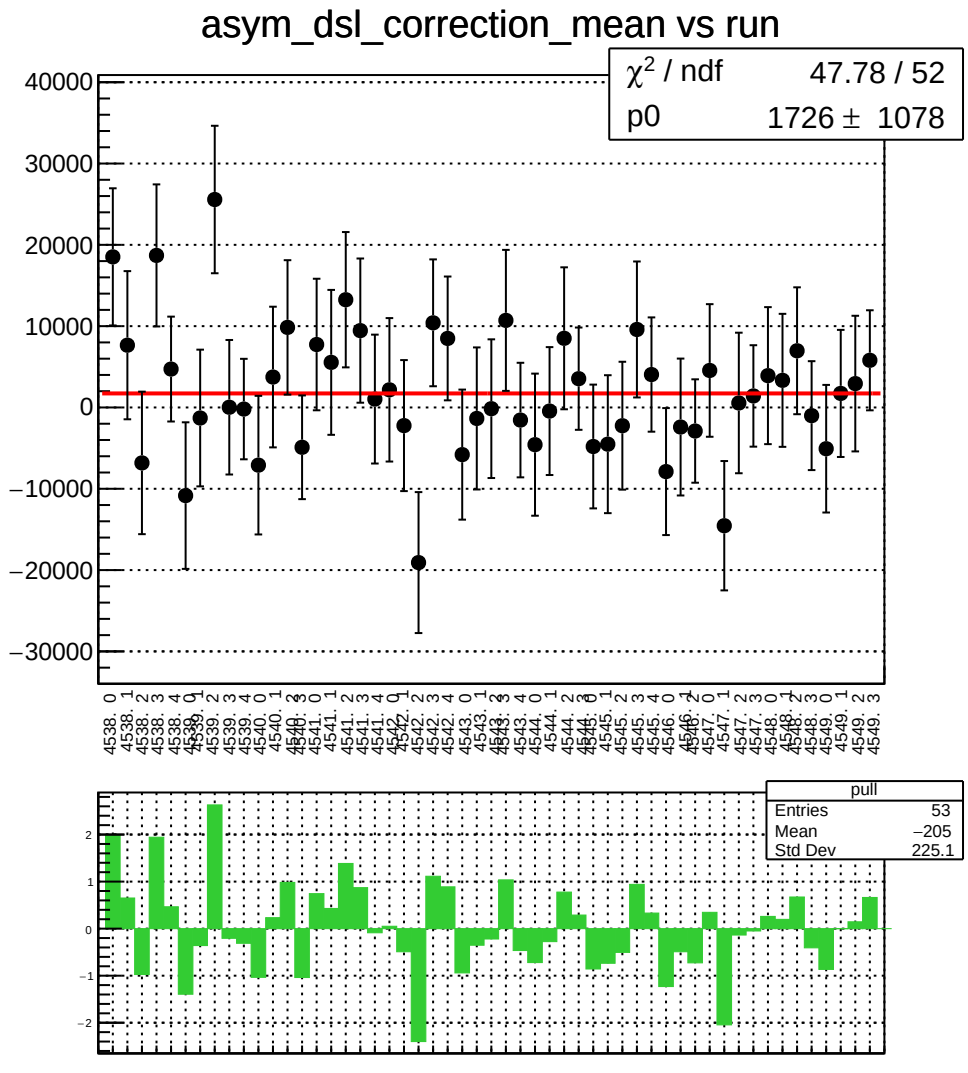

pull1D
Entries 53
Mean 0.008379
Std Dev 1.139

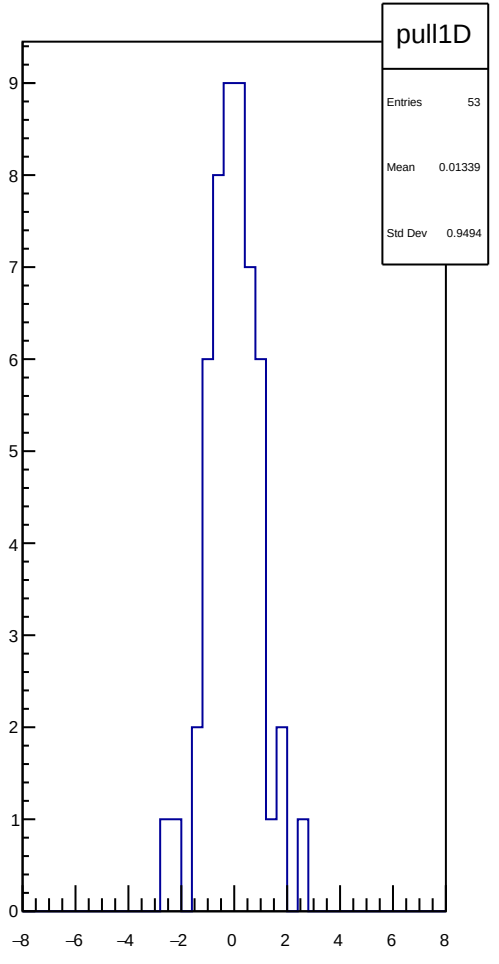

asym_usr_rms vs run
χ² / ndf 637 / 52
p0 505.9 ± 0.4873
530
520
510
500
490
480
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

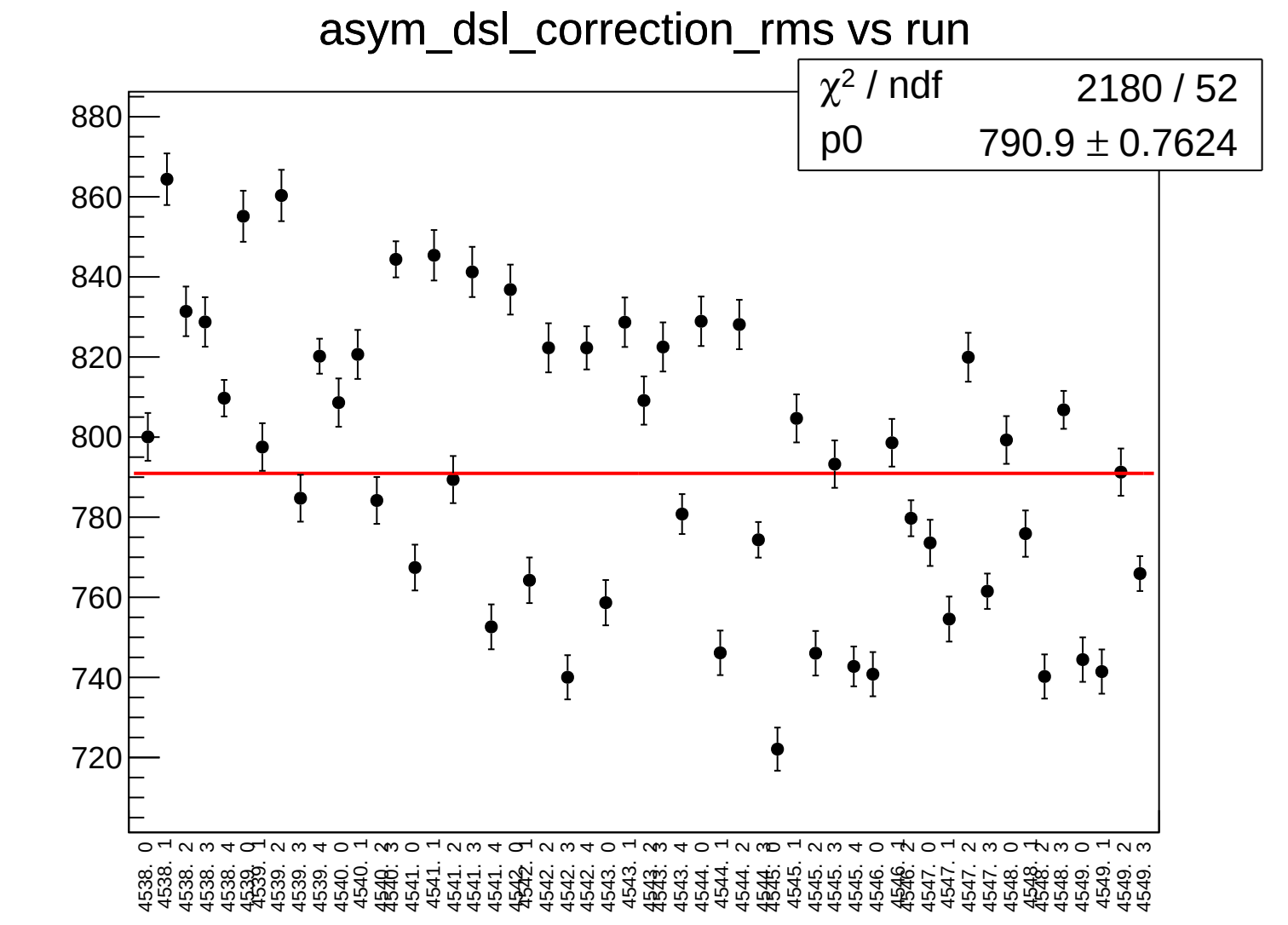

reg_asym_dsl_mean vs run
χ² / ndf 72.14 / 52
p0 −362.2 ± 190.3
pull
Entries 53
Mean −3016
Std Dev 3054

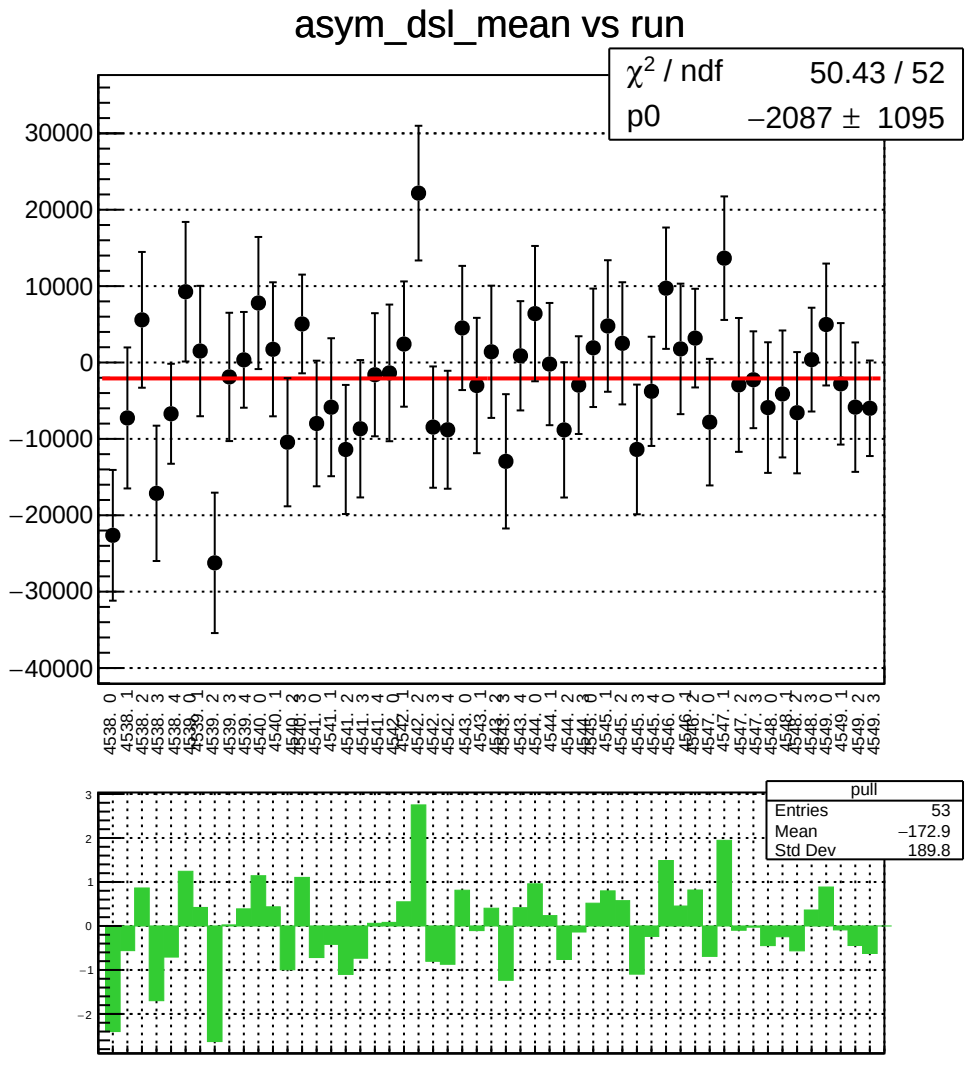

pull1D
Entries 53
Mean 0.0008514
Std Dev 1.167

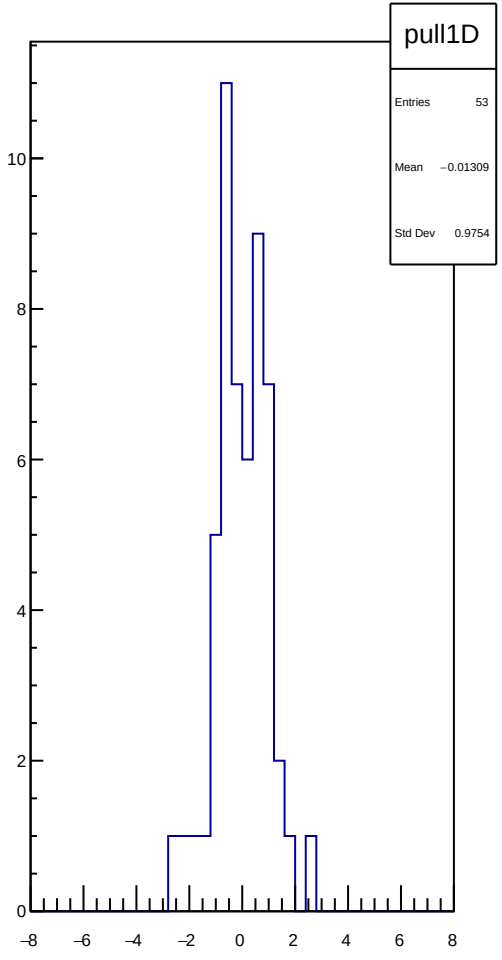

reg_asym_dsl_rms vs run
χ² / ndf 289.4 / 52
p0 139.7 ± 0.1346
155
150
145
140
135

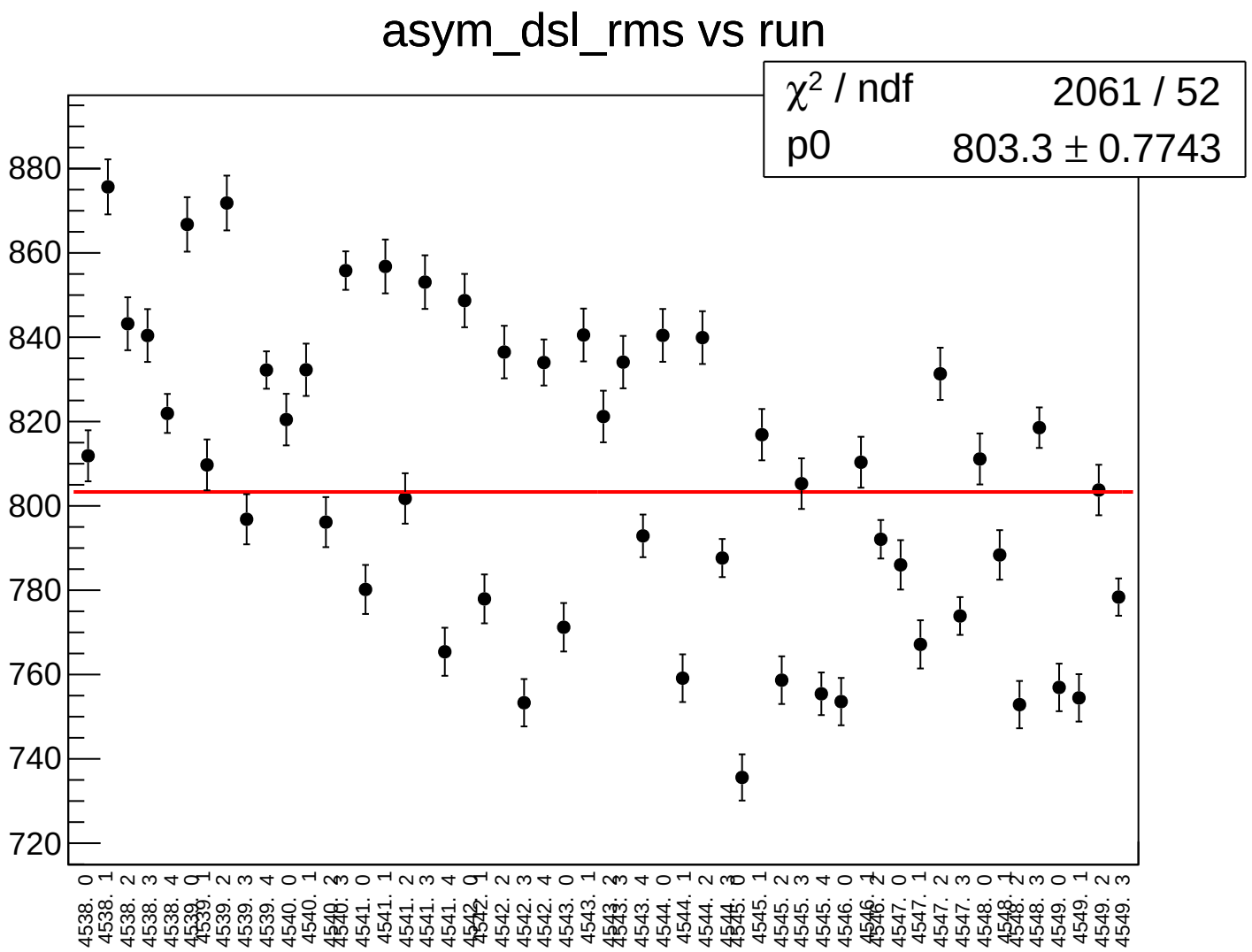

asym_dsl_correction_mean vs run
χ² / ndf 47.78 / 52
p0 1726 ± 1078
pull
Entries 53
Mean −205
Std Dev 225.1

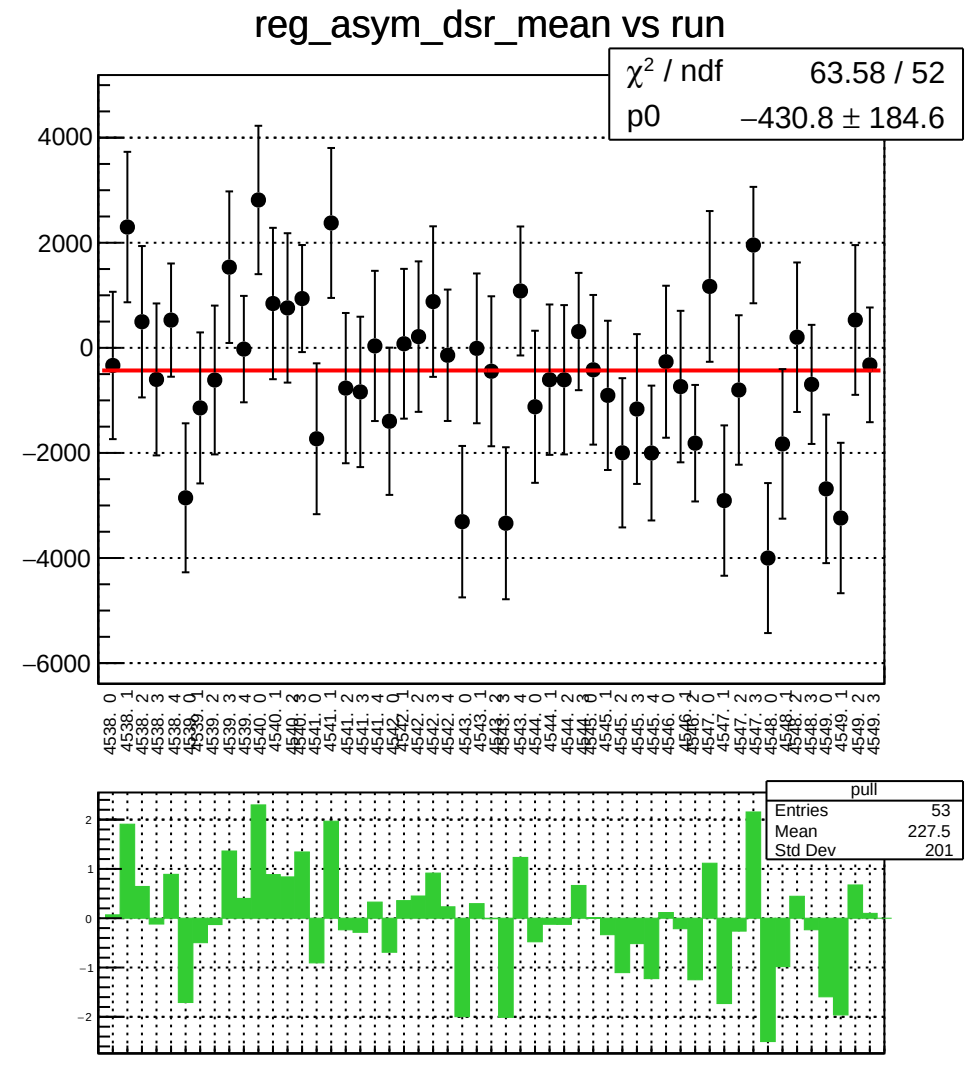

pull1D
Entries 53
Mean 0.01339
Std Dev 0.9494

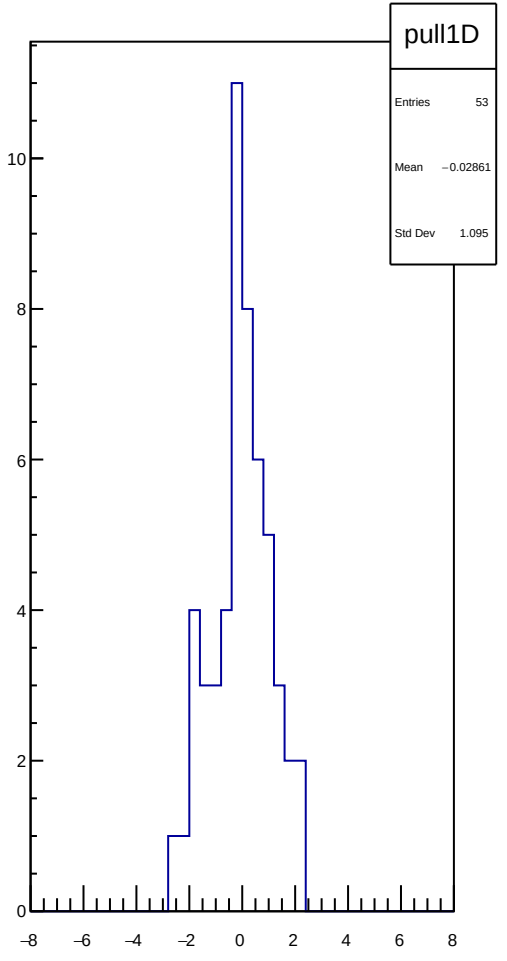

asym_dsl_correction_rms vs run
χ² / ndf 2180 / 52
p0 790.9 ± 0.7624
880
860
840
820
800
780
760
740
720
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

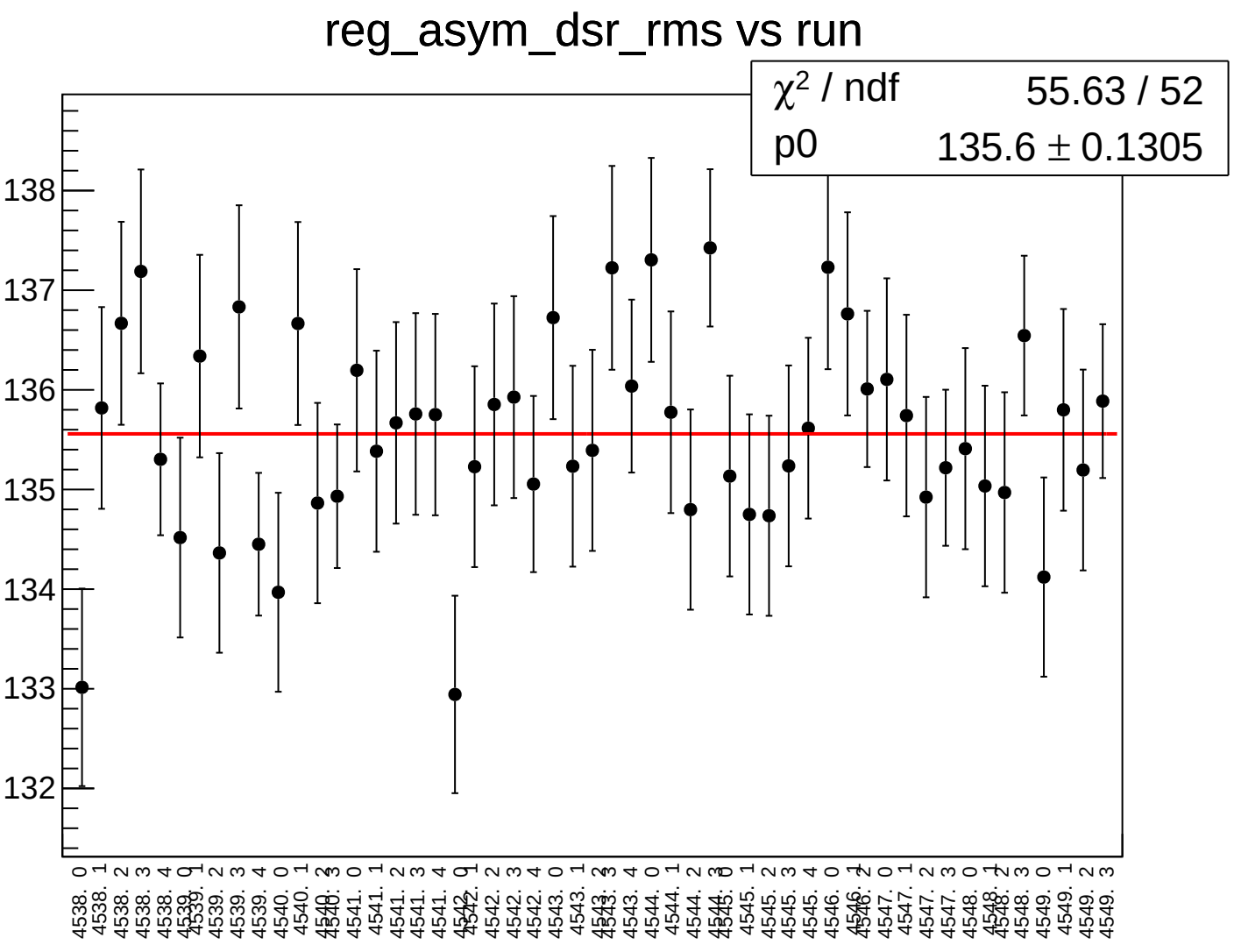

asym_dsl_mean vs run
χ² / ndf 50.43 / 52
p0 −2087 ± 1095
pull
Entries 53
Mean −172.9
Std Dev 189.8

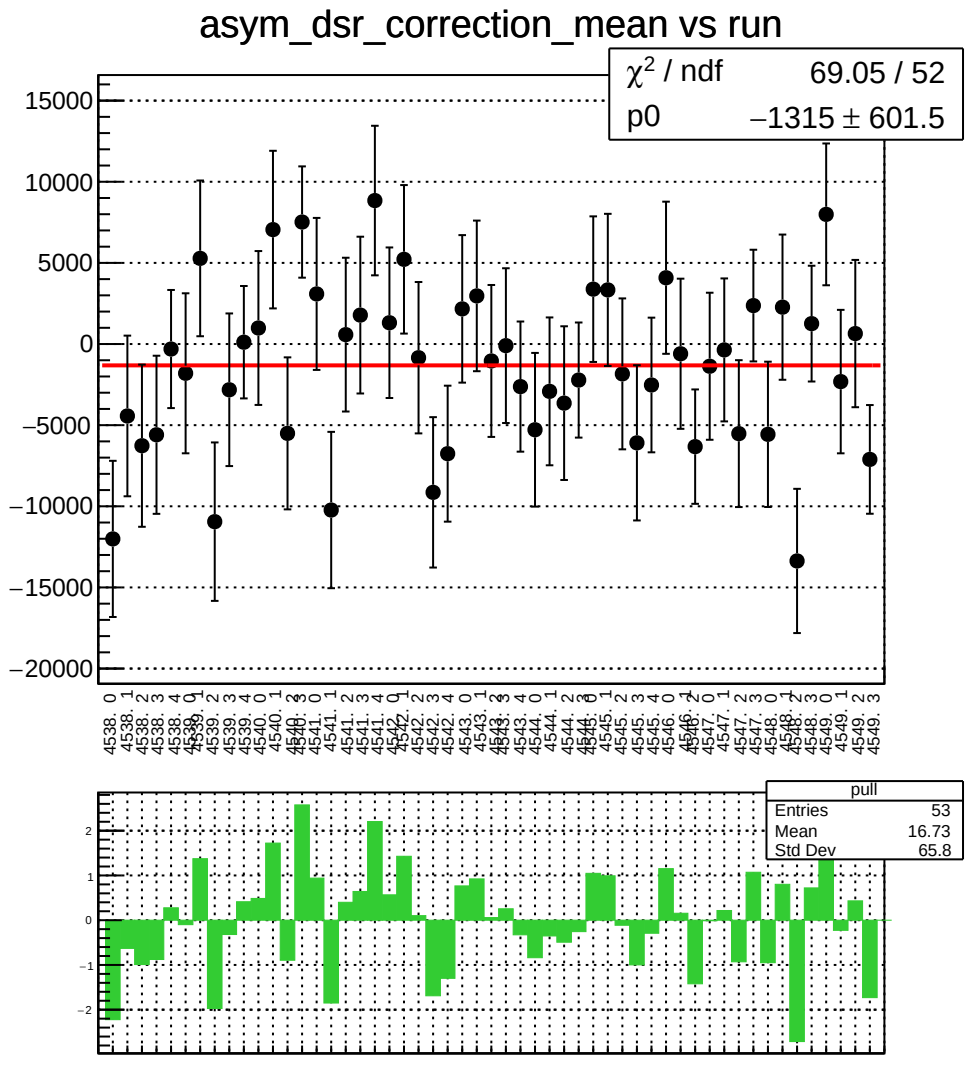

pull1D
Entries 53
Mean −0.01309
Std Dev 0.9754

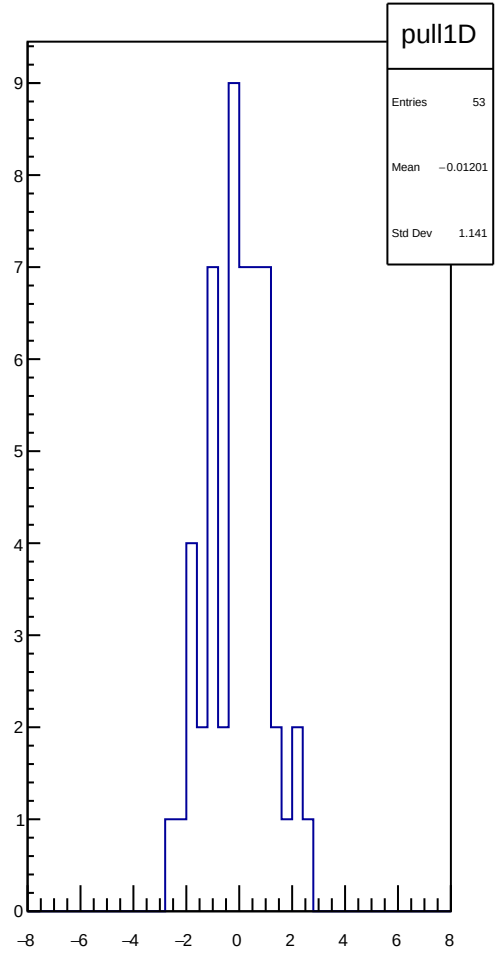

asym_dsl_rms vs run
χ² / ndf 2061 / 52
p0 803.3 ± 0.7743
880
860
840
820
800
780
760
740
720
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

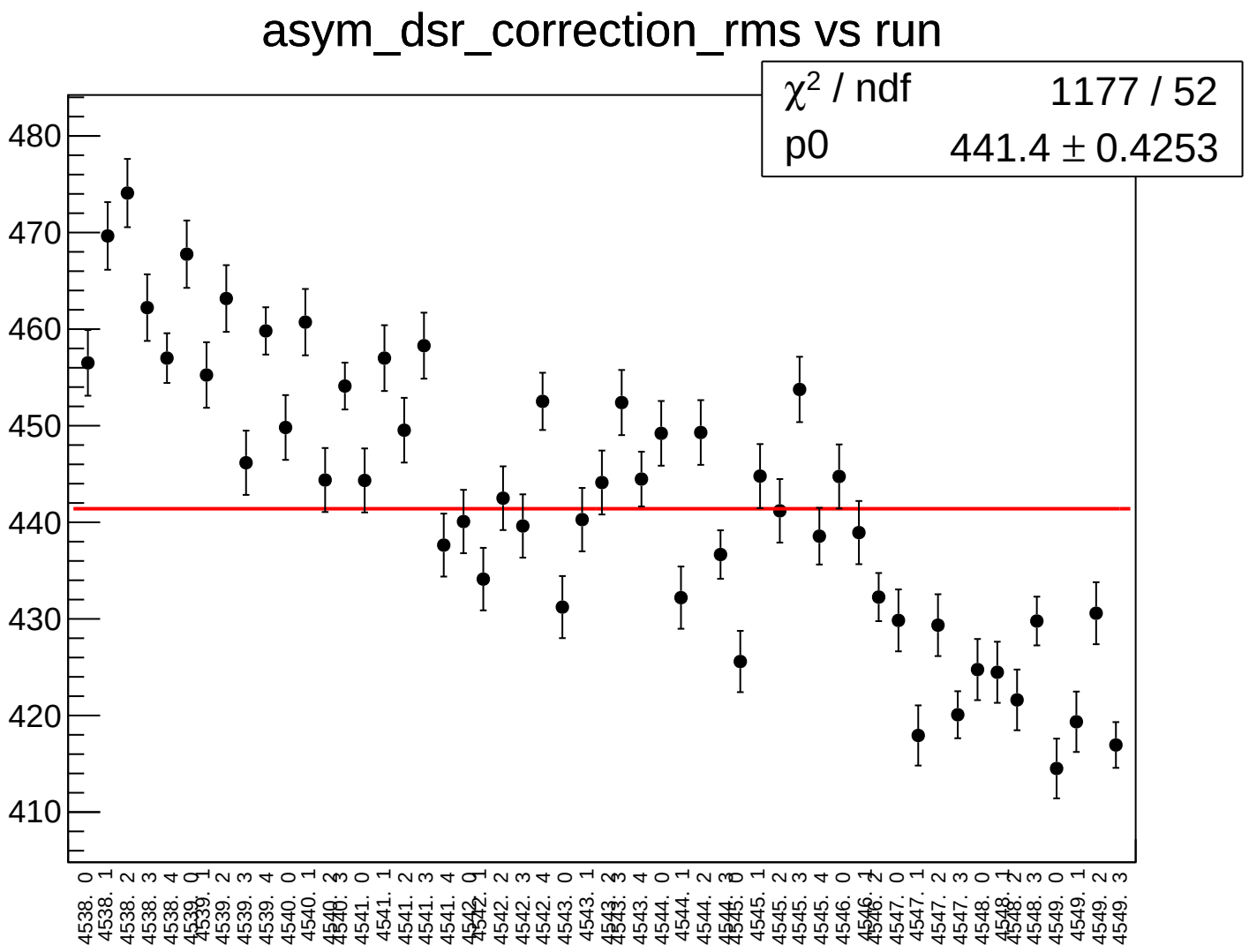

reg_asym_dsr_mean vs run
χ² / ndf 63.58 / 52
p0 −430.8 ± 184.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean 227.5
Std Dev 201
2
1
0
−1
−2

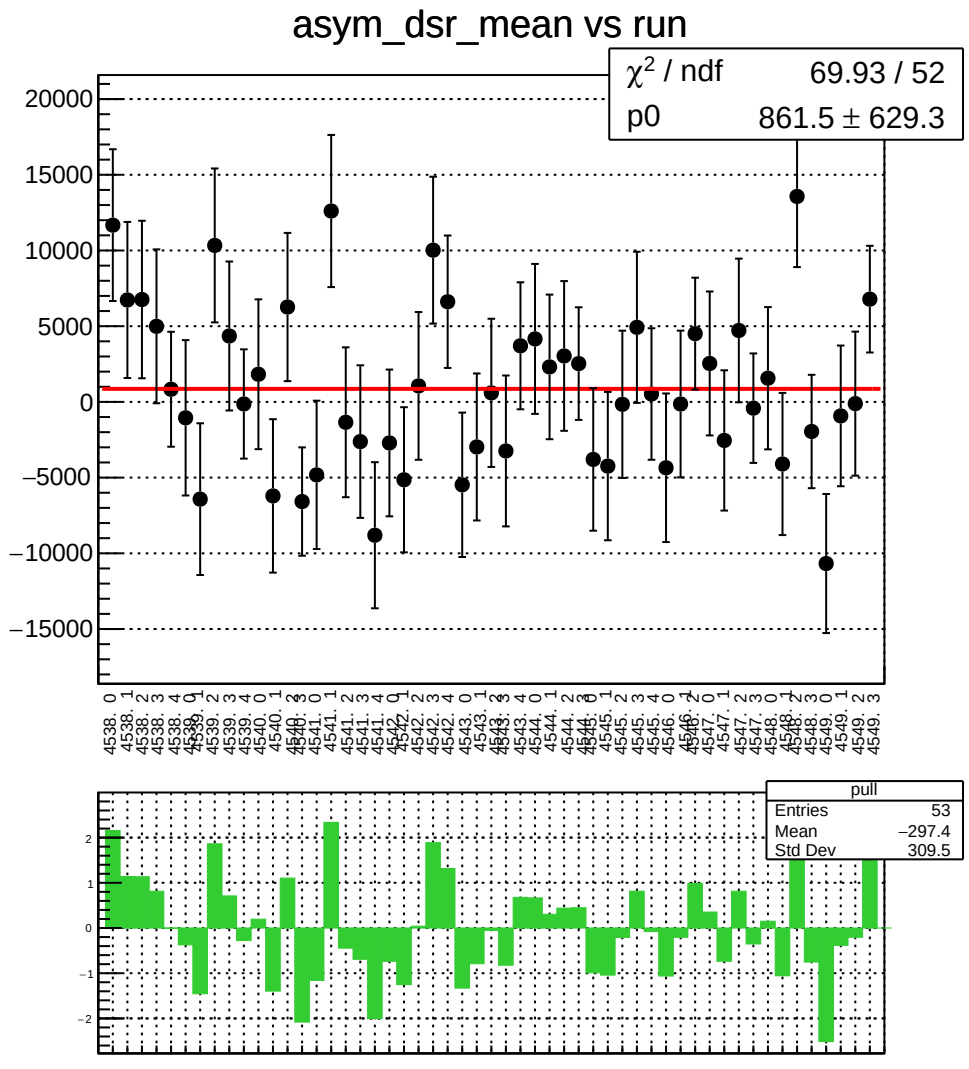

pull1D
Entries 53
Mean −0.02861
Std Dev 1.095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

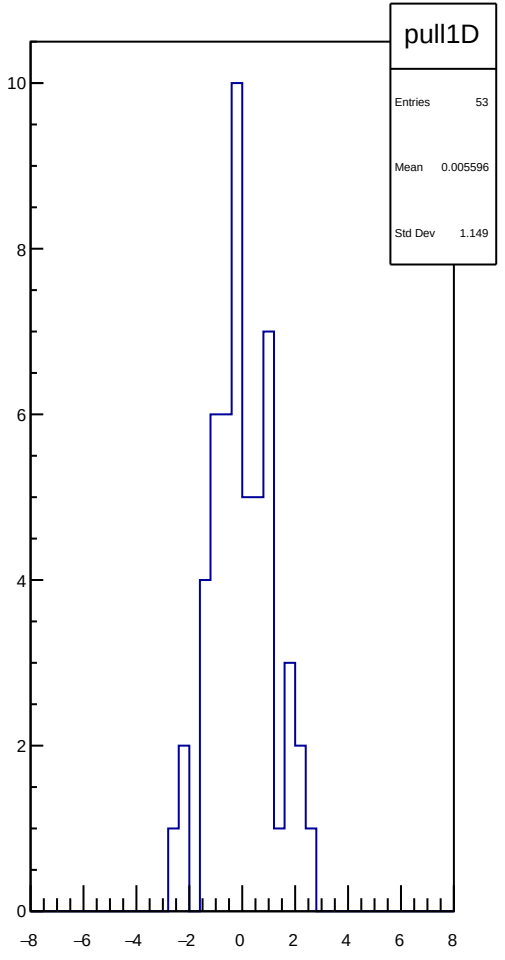

reg_asym_dsr_rms vs run
χ² / ndf 55.63 / 52
p0 135.6 ± 0.1305
138
137
136
135
134
133
132
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

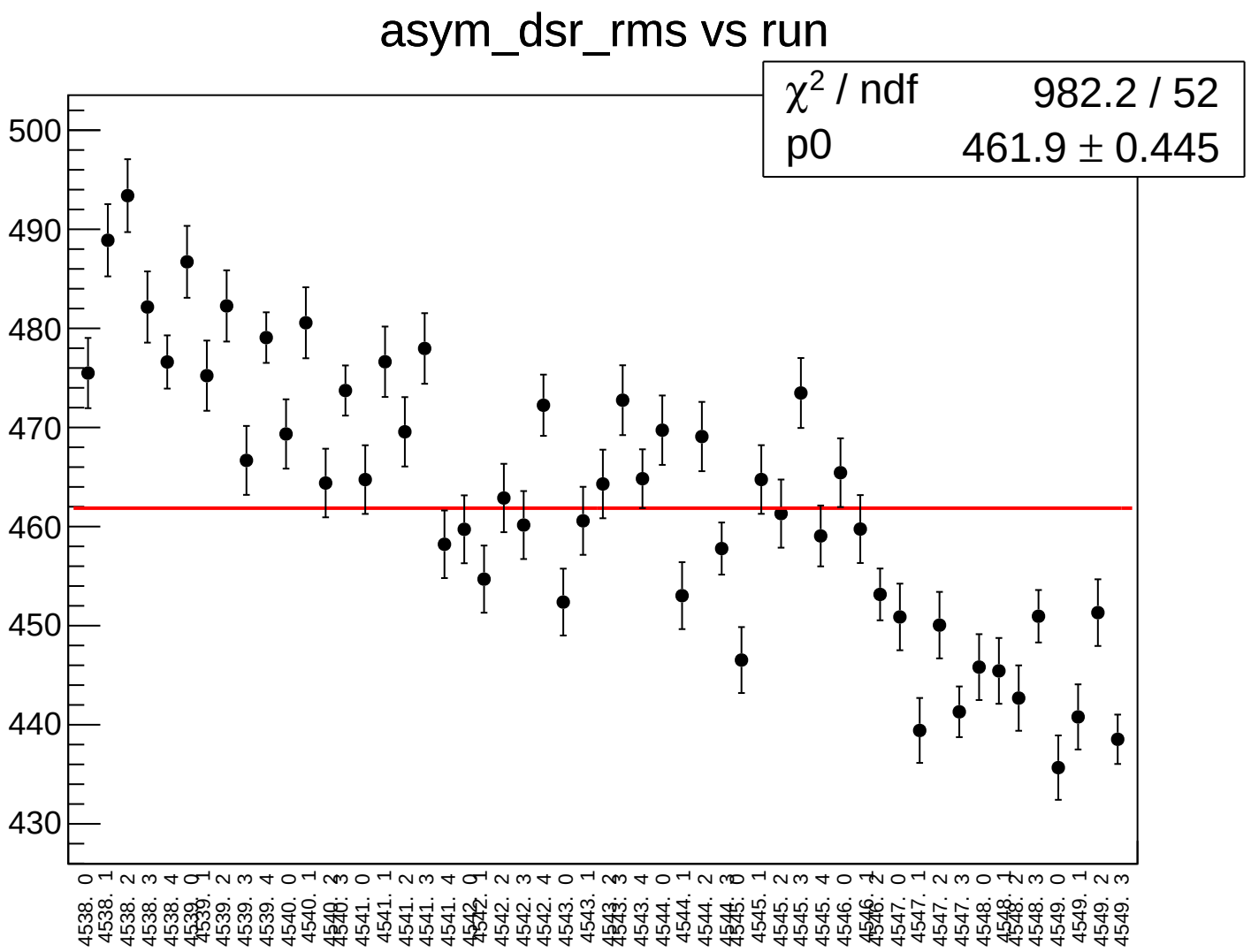

asym_dsr_correction_mean vs run
χ² / ndf 69.05 / 52
p0 −1315 ± 601.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean 16.73
Std Dev 65.8
2
1
0
−1
−2

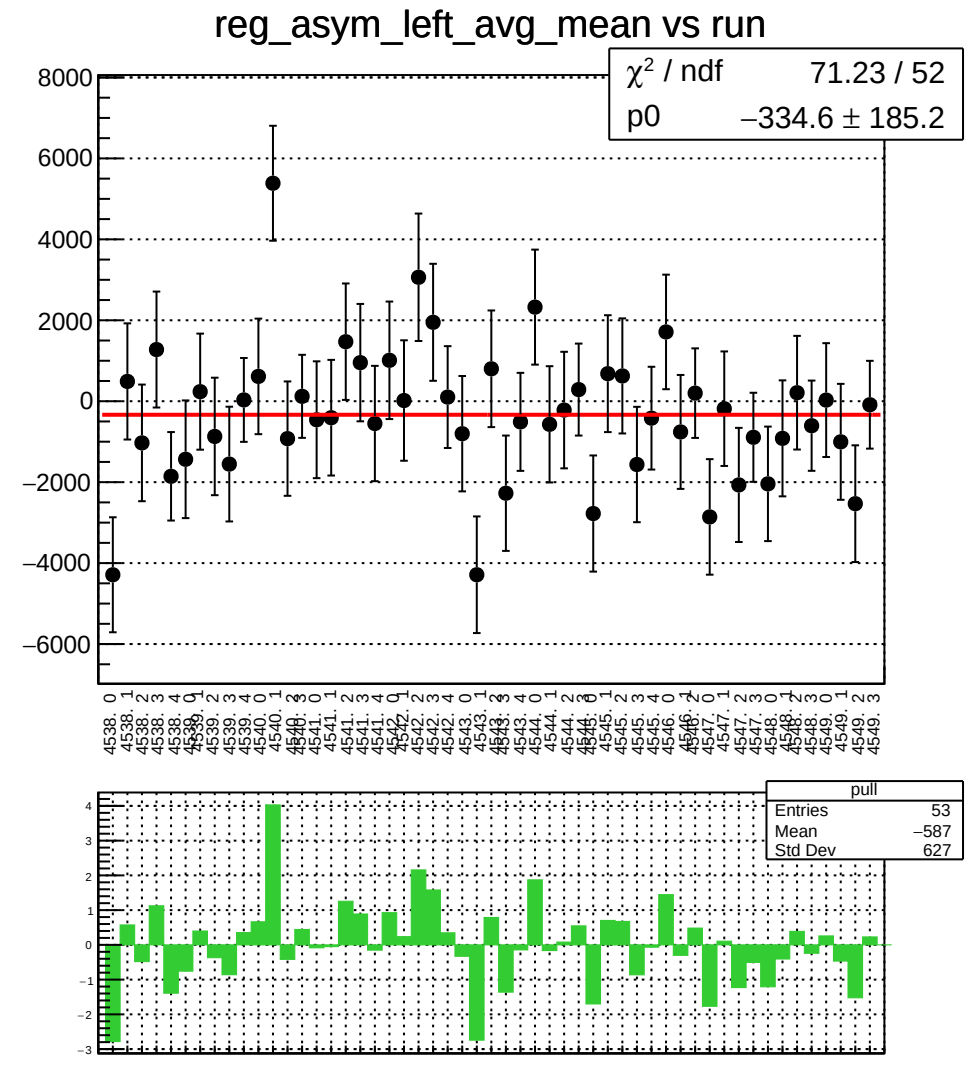

pull1D
Entries 53
Mean −0.01201
Std Dev 1.141
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

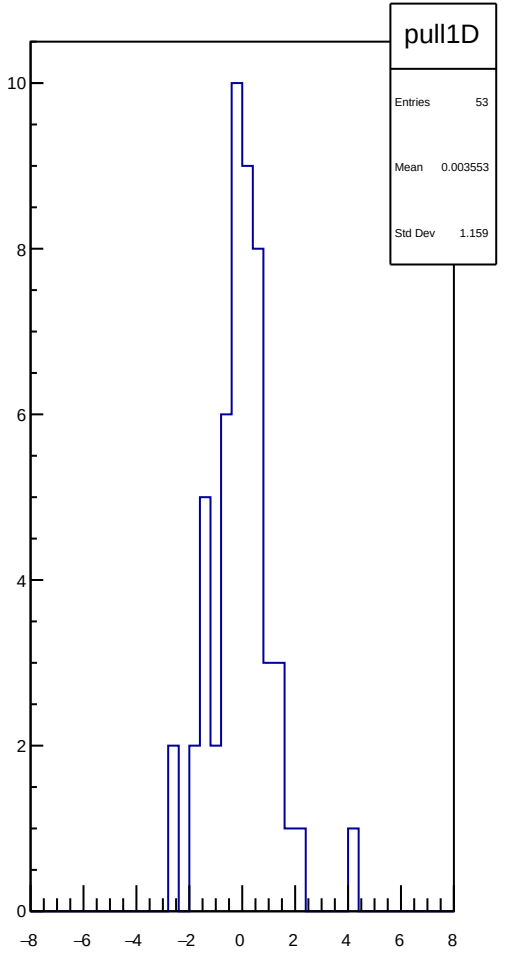

asym_dsr_correction_rms vs run
χ² / ndf 1177 / 52
p0 441.4 ± 0.4253
480
470
460
450
440
430
420
410
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 4
4544. 0
4544. 1
4544. 2
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

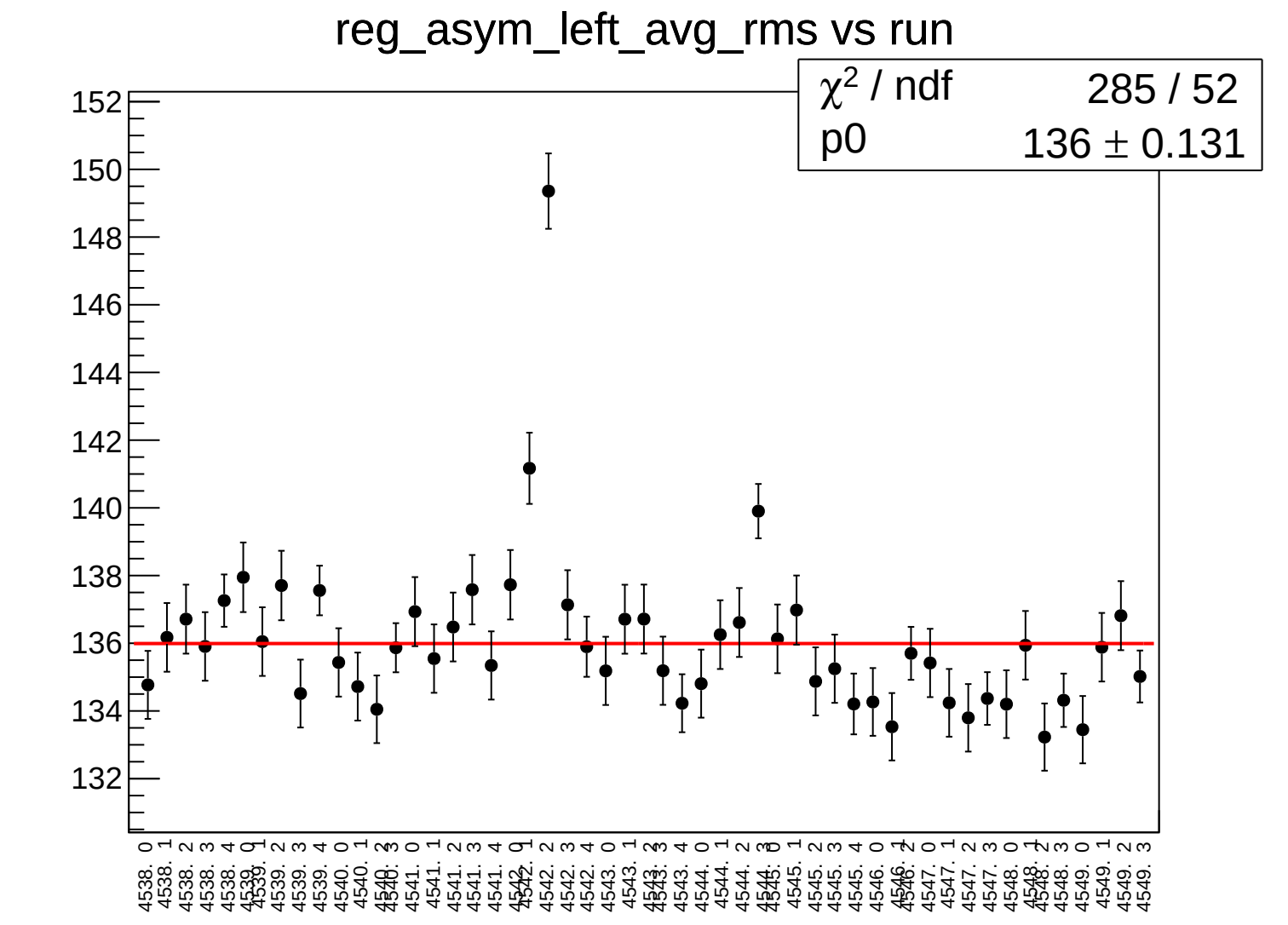

asym_dsr_mean vs run
χ² / ndf 69.93 / 52
p0 861.5 ± 629.3
pull
Entries 53
Mean −297.4
Std Dev 309.5

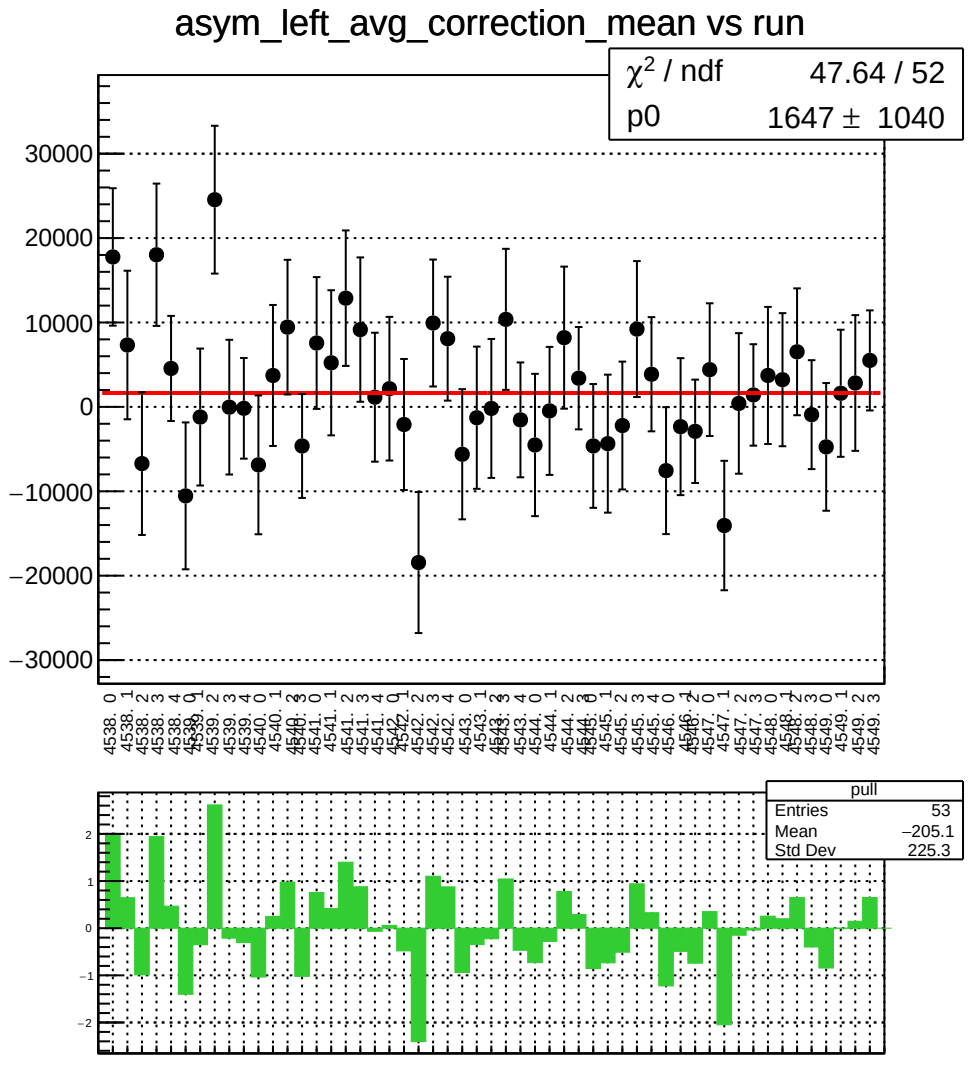

pull1D
Entries 53
Mean 0.005596
Std Dev 1.149

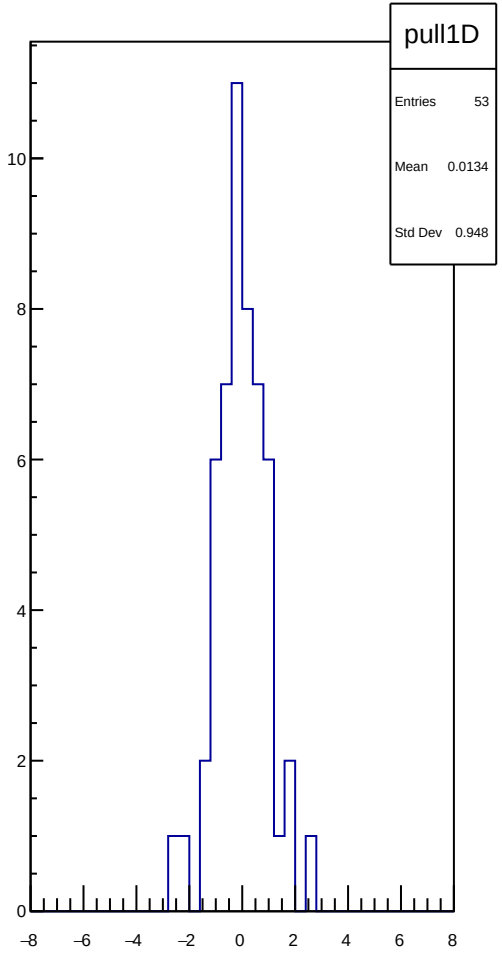

asym_dsr_rms vs run
χ^2 / ndf 982.2 / 52
p0 461.9 ± 0.445
500
490
480
470
460
450
440
430
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

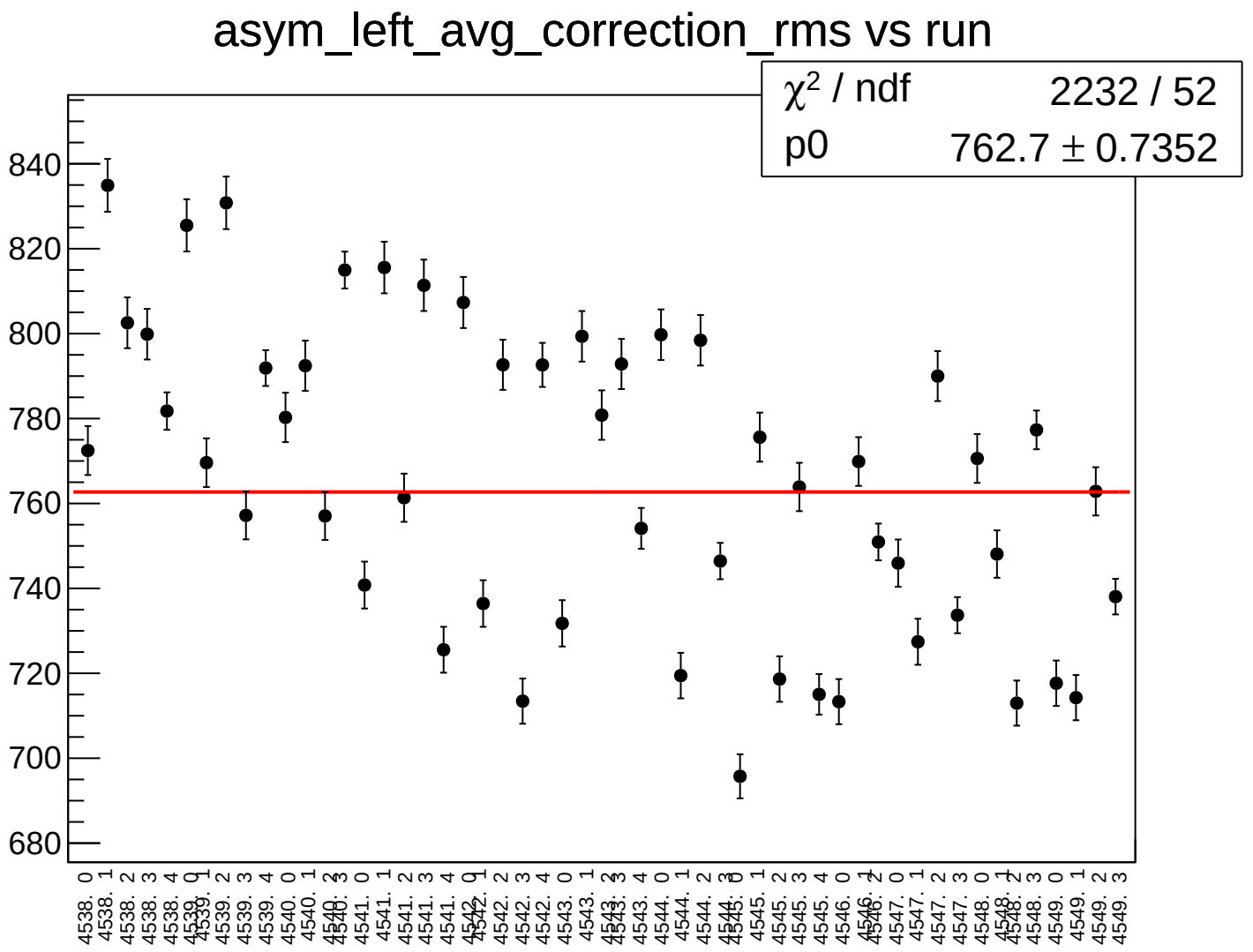

reg_asym_left_avg_mean vs run
χ² / ndf 71.23 / 52
p0 −334.6 ± 185.2
pull
Entries 53
Mean −587
Std Dev 627

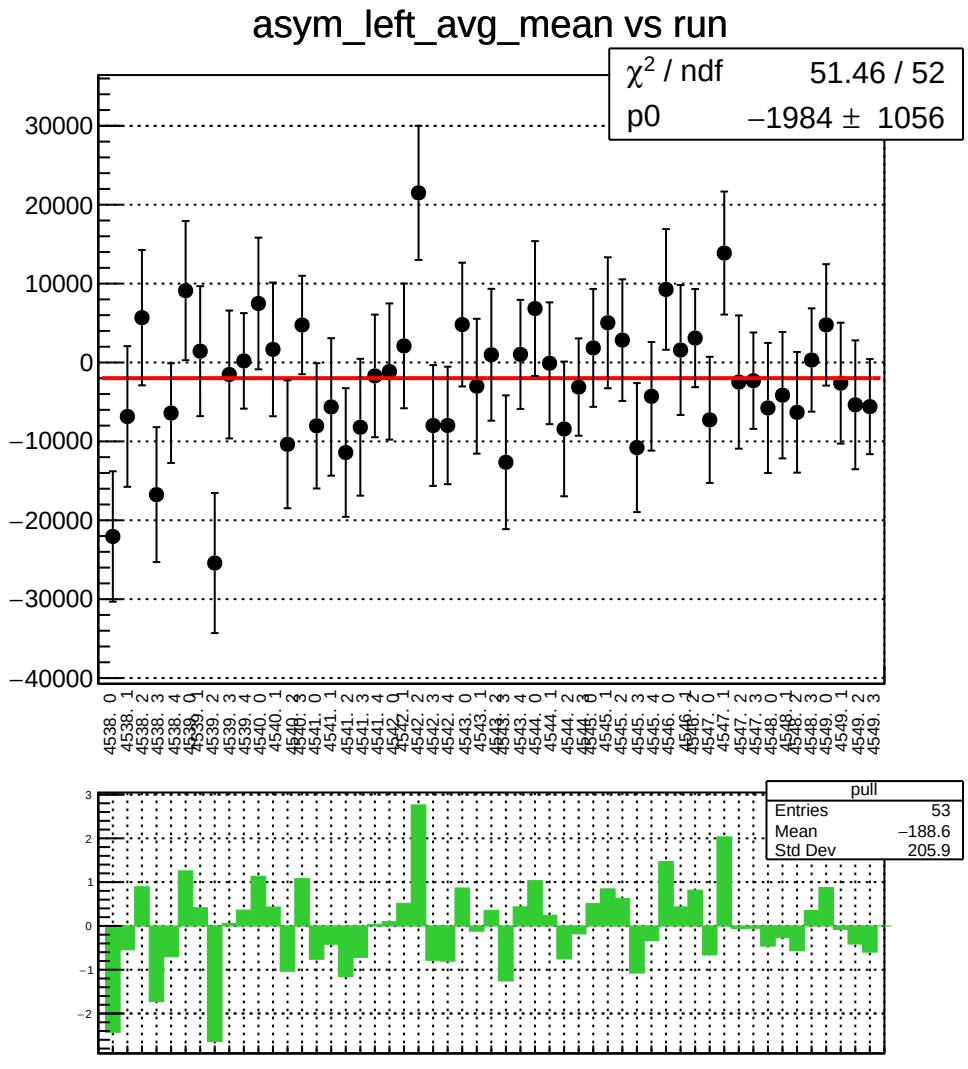

pull1D
Entries 53
Mean 0.003553
Std Dev 1.159

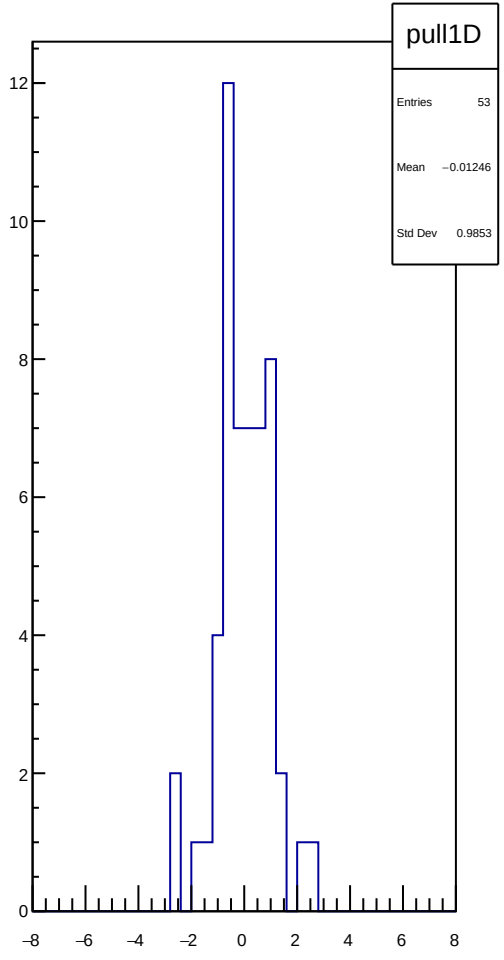

reg_asym_left_avg_rms vs run
χ² / ndf 285 / 52
p0 136 ± 0.131
152
150
148
146
144
142
140
138
136
134
132
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

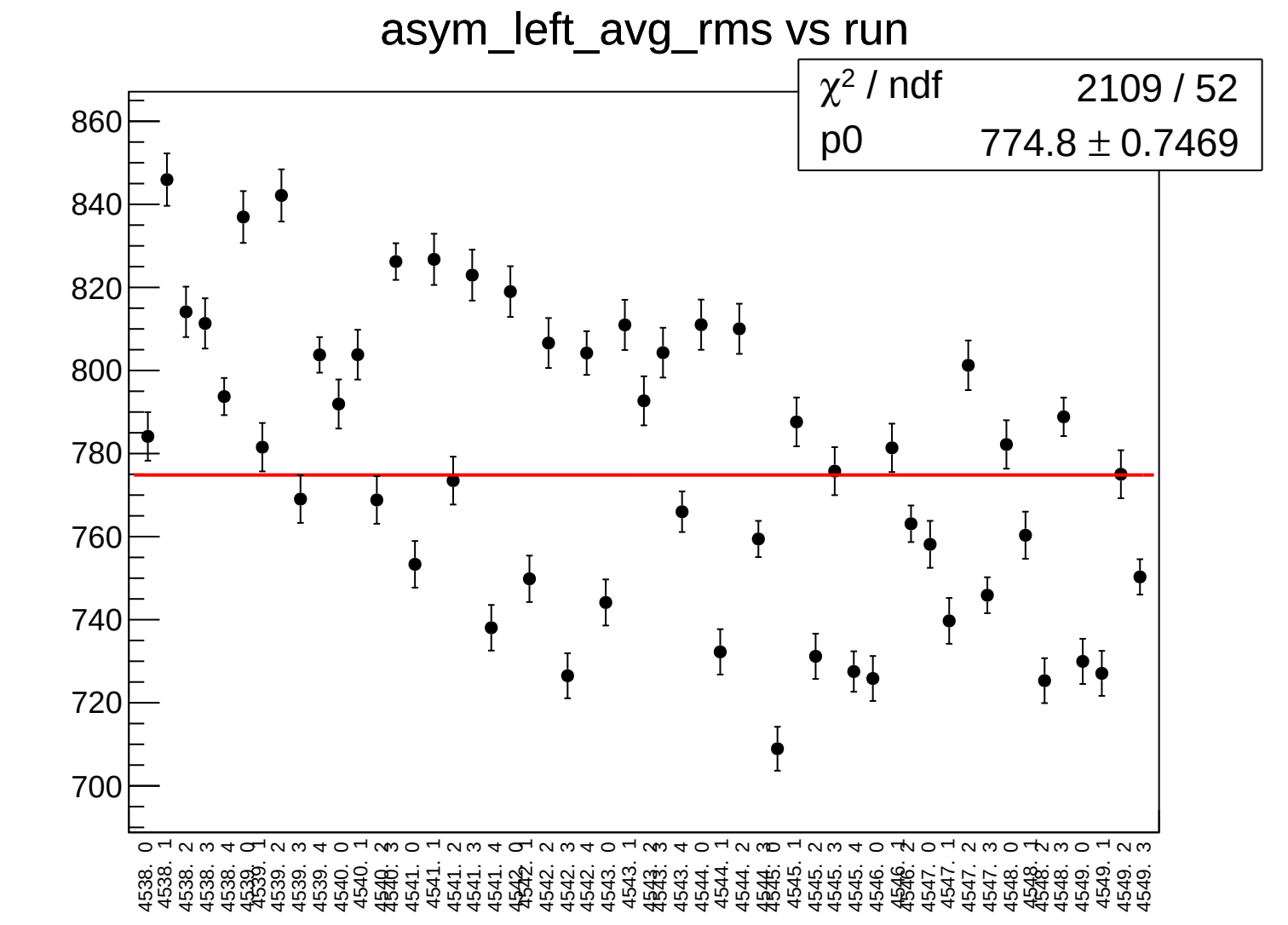

asym_left_avg_correction_mean vs run
χ² / ndf 47.64 / 52
p0 1647 ± 1040
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −205.1
Std Dev 225.3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.0134
Std Dev 0.948
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_left_avg_correction_rms vs run
χ² / ndf 2232 / 52
p0 762.7 ± 0.7352
840
820
800
780
760
740
720
700
680
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_left_avg_mean vs run
χ^2 / ndf 51.46 / 52
p0 −1984 ± 1056
pull
Entries 53
Mean −188.6
Std Dev 205.9


pull1D
Entries 53
Mean −0.01246
Std Dev 0.9853


asym_left_avg_rms vs run
χ² / ndf 2109 / 52
p0 774.8 ± 0.7469
860
840
820
800
780
760
740
720
700
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
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4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
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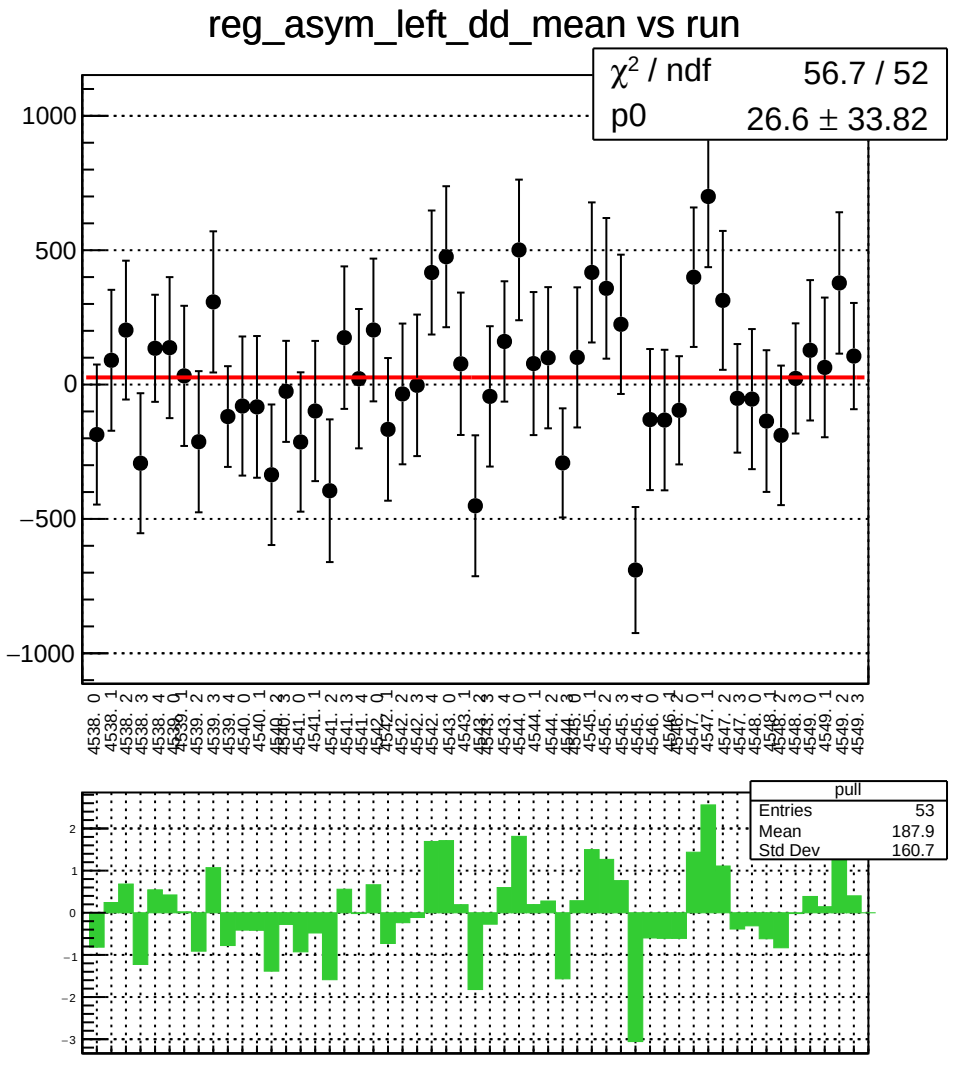
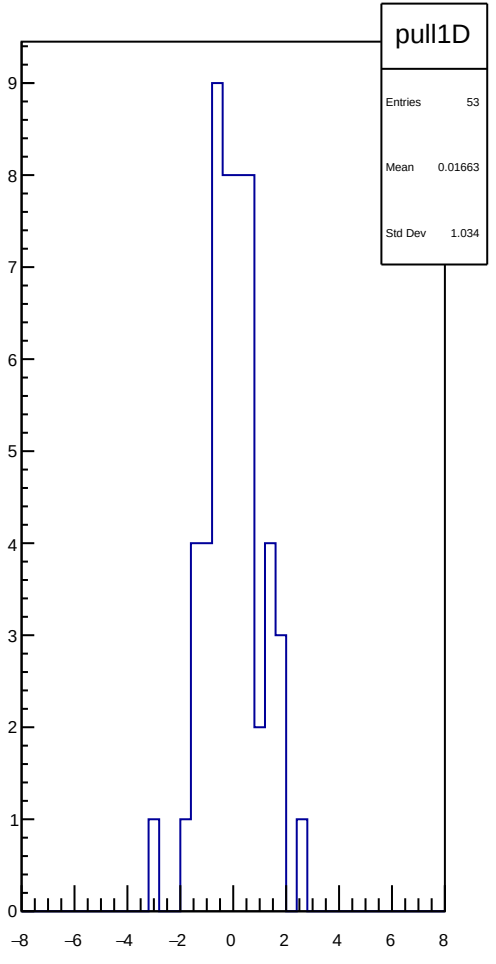
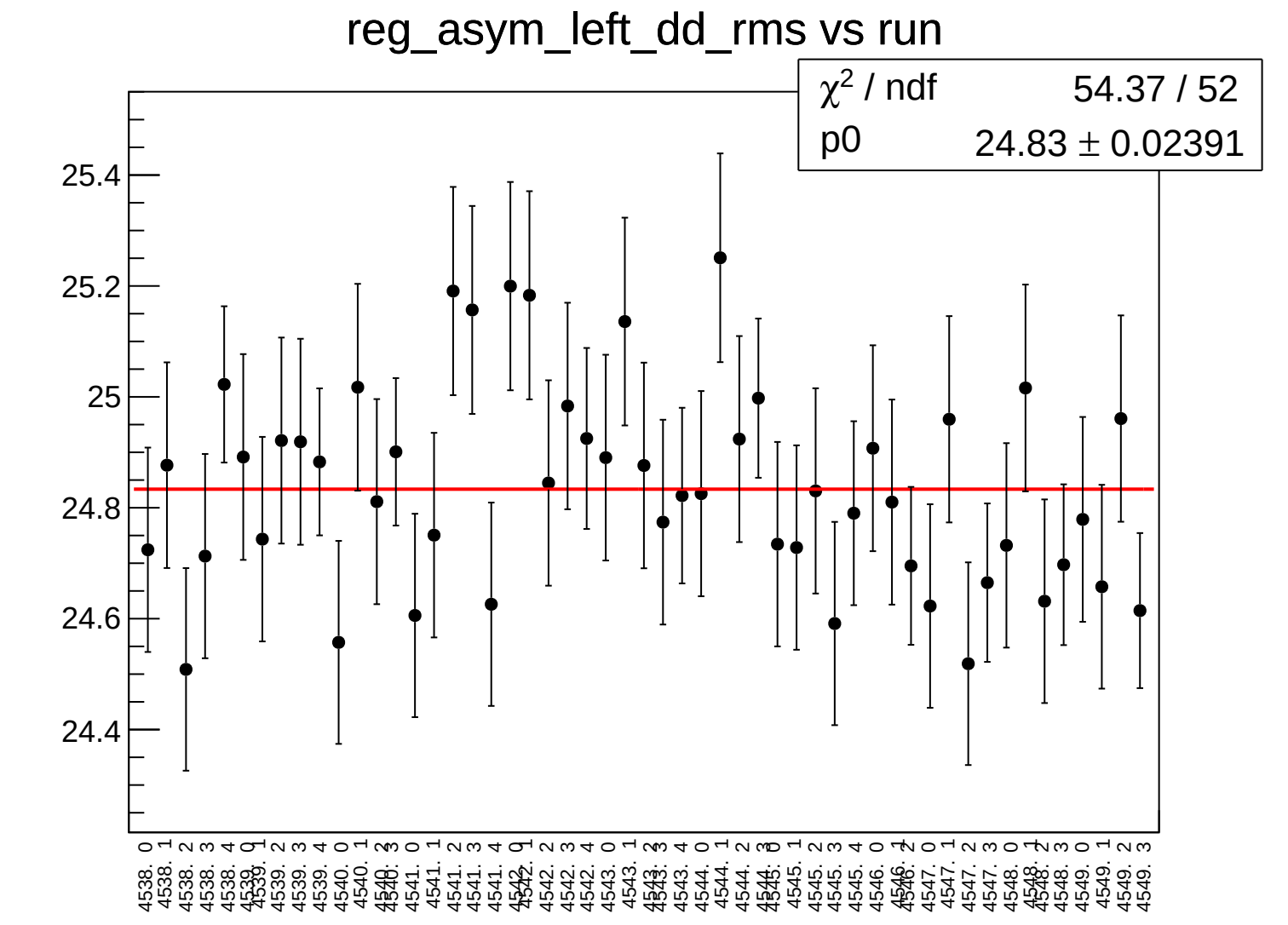
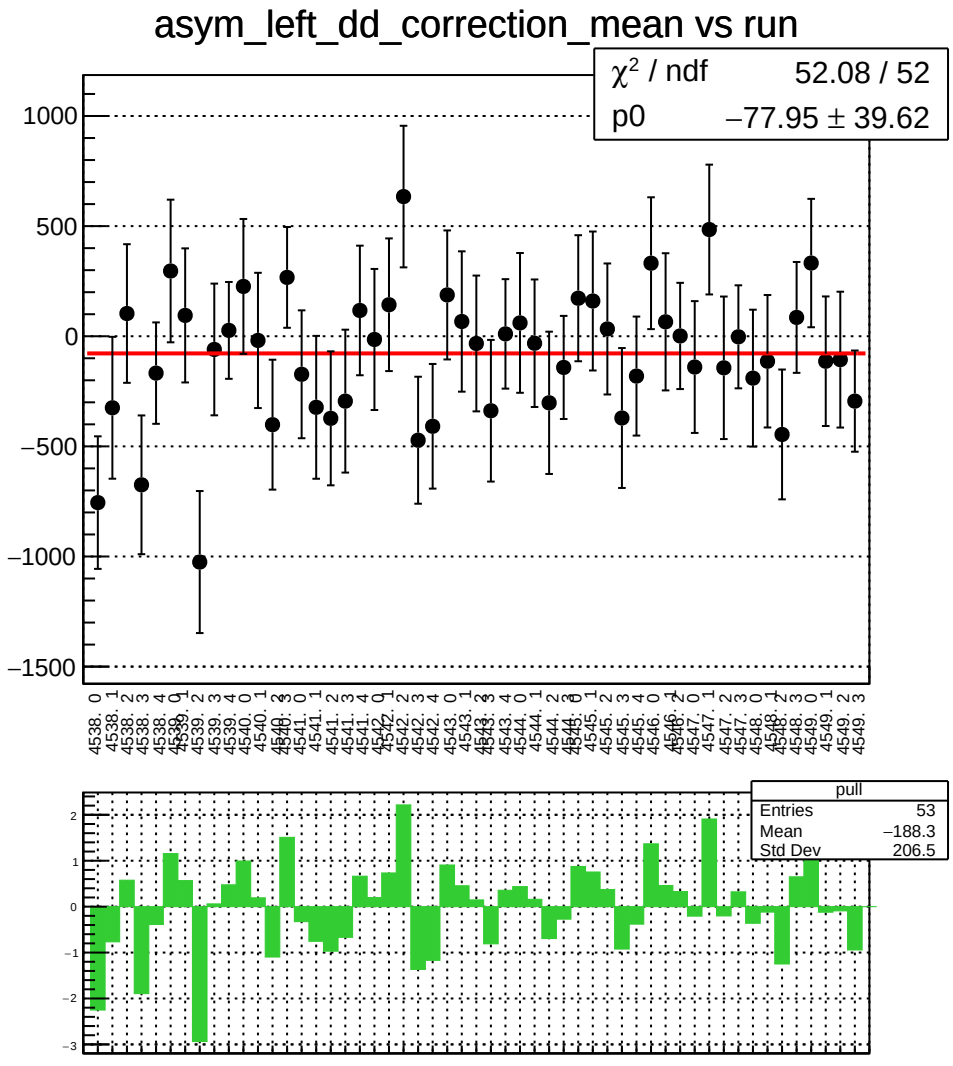
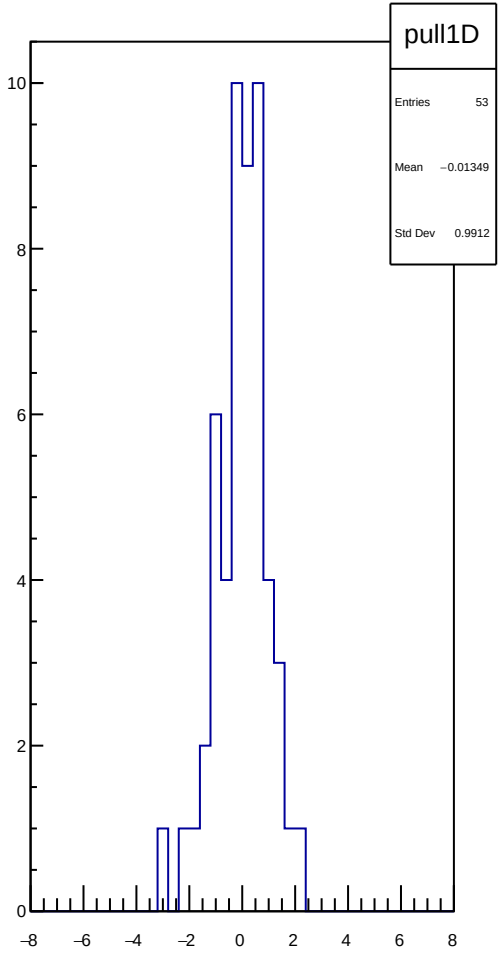
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

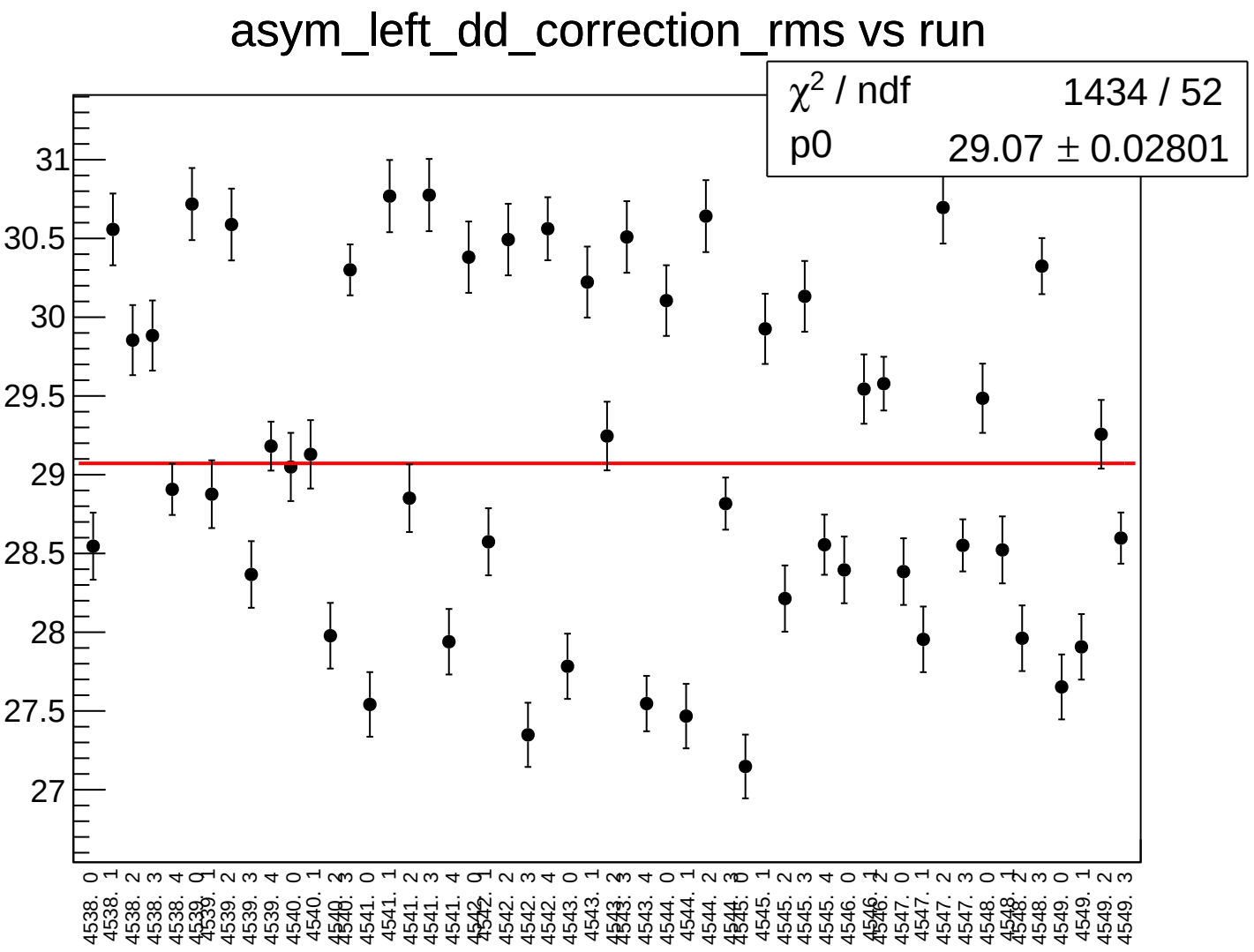

reg_asym_left_dd_mean vs run
χ² / ndf 56.7 / 52
p0 26.6 ± 33.82
1000
500
0
−500
−1000
pull
Entries 53
Mean 187.9
Std Dev 160.7
2
1
0
−1
−2
−3

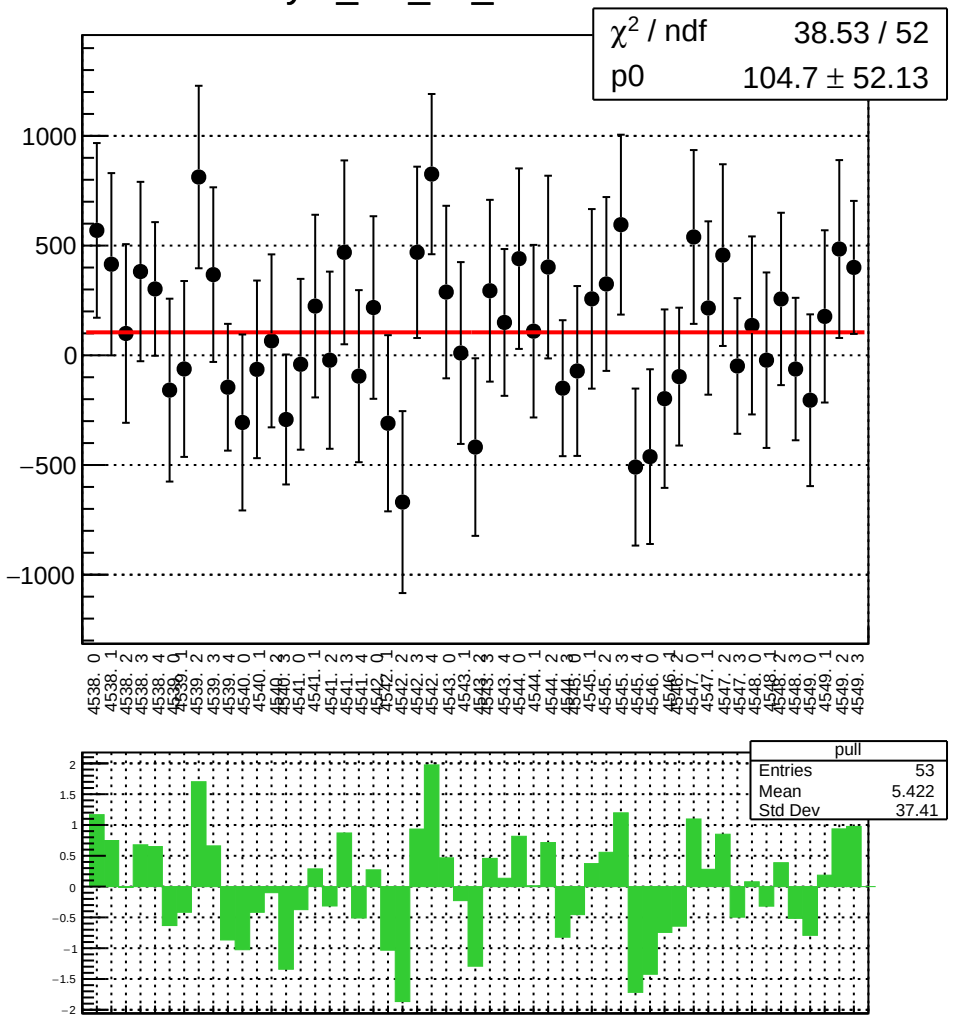

pull1D
Entries 53
Mean 0.01663
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

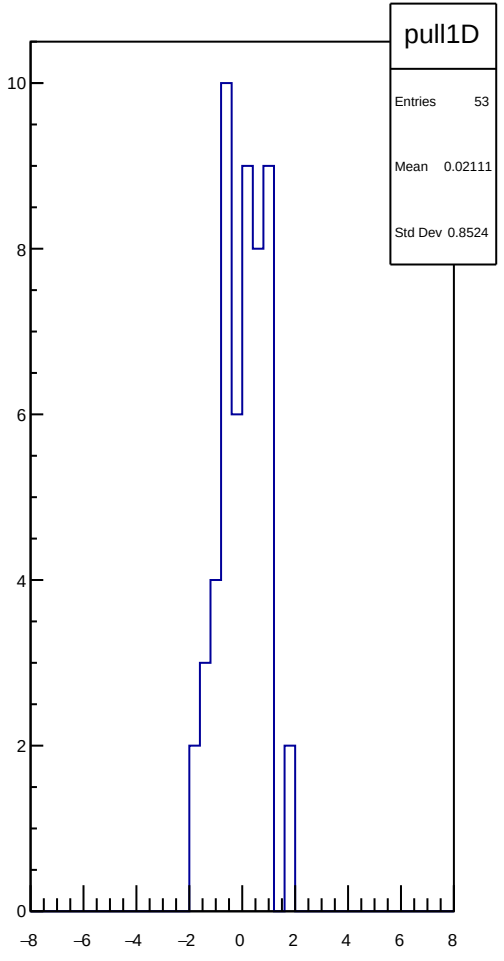

reg_asym_left_dd_rms vs run
χ² / ndf 54.37 / 52
p0 24.83 ± 0.02391
25.4
25.2
25
24.8
24.6
24.4
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

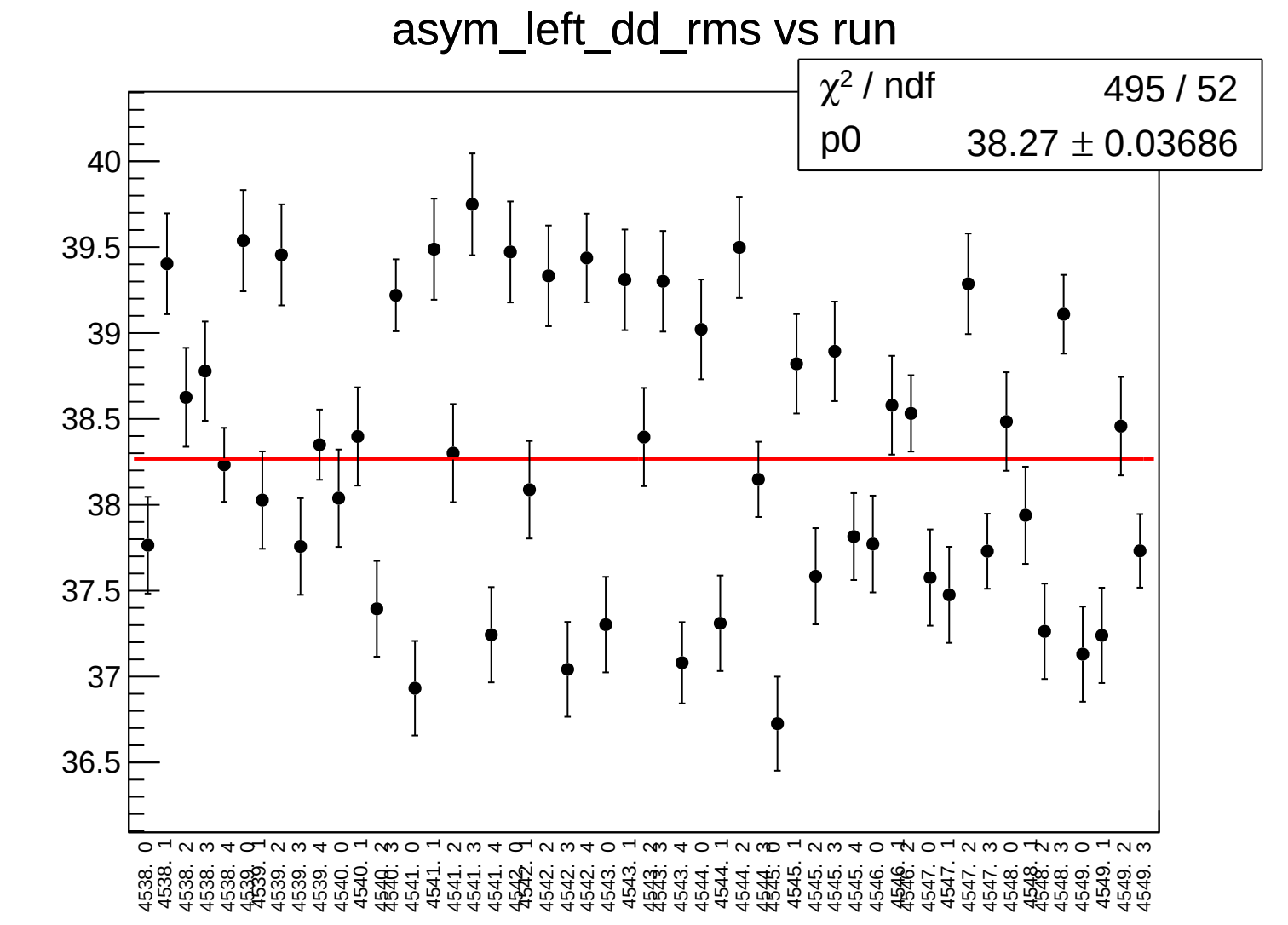

asym_left_dd_correction_mean vs run
χ² / ndf 52.08 / 52
p0 −77.95 ± 39.62
1000
500
0
−500
−1000
−1500
pull
Entries 53
Mean −188.3
Std Dev 206.5
2
1
0
−1
−2
−3

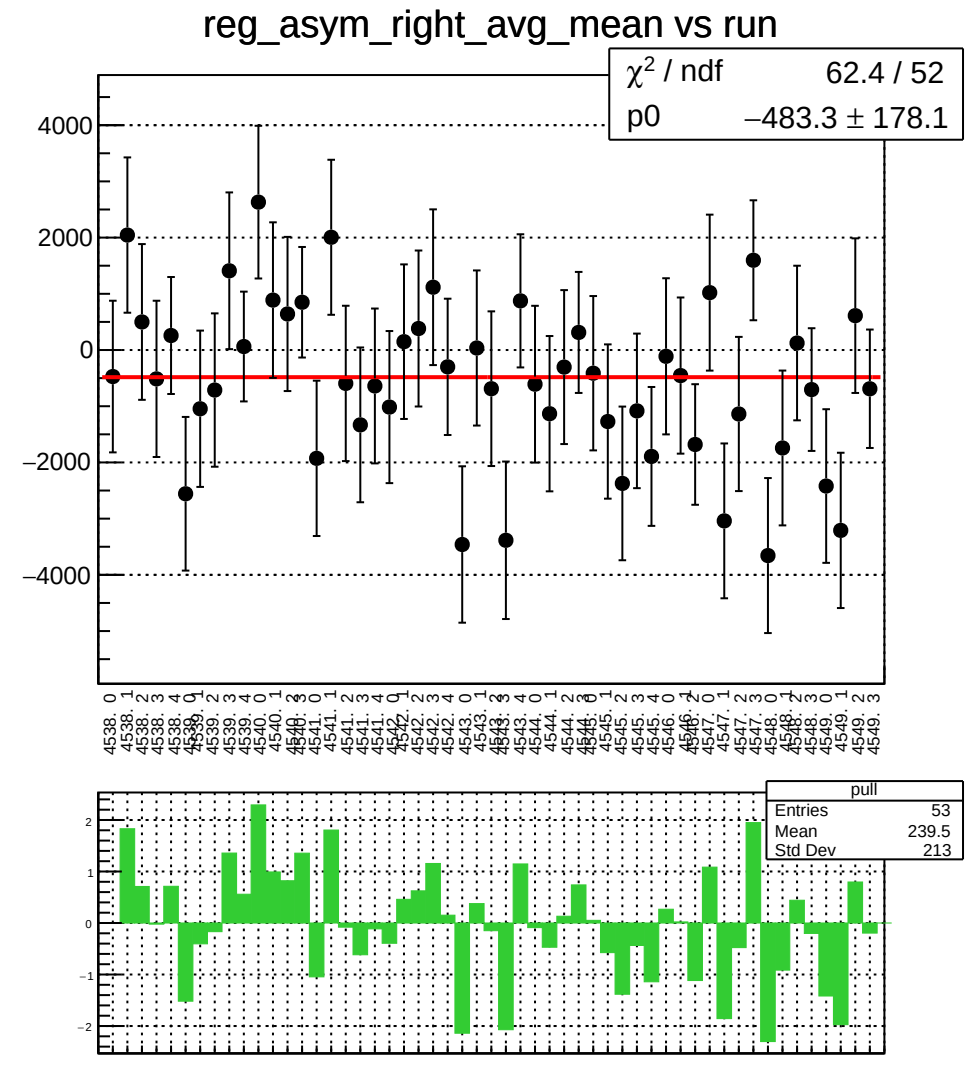

pull1D
Entries 53
Mean −0.01349
Std Dev 0.9912
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

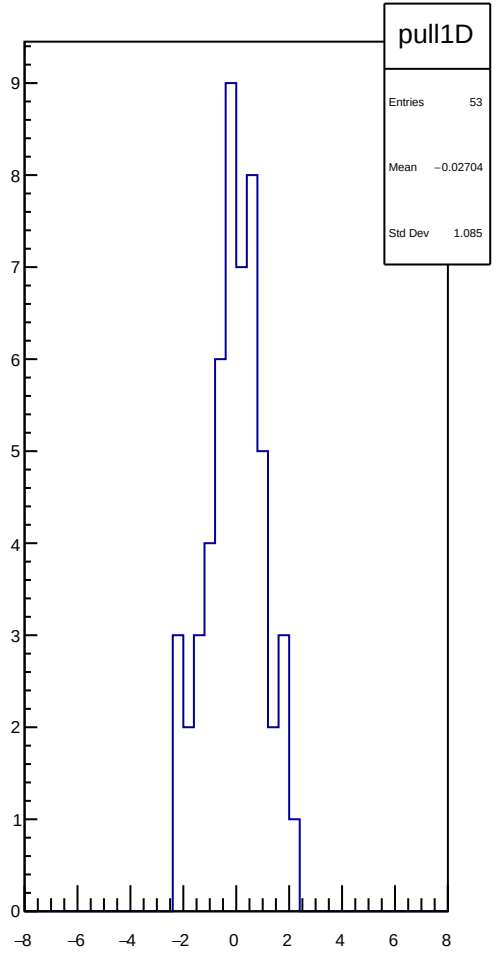

asym_left_dd_correction_rms vs run
χ² / ndf 1434 / 52
p0 29.07 ± 0.02801
31
30.5
30
29.5
29
28.5
28
27.5
27

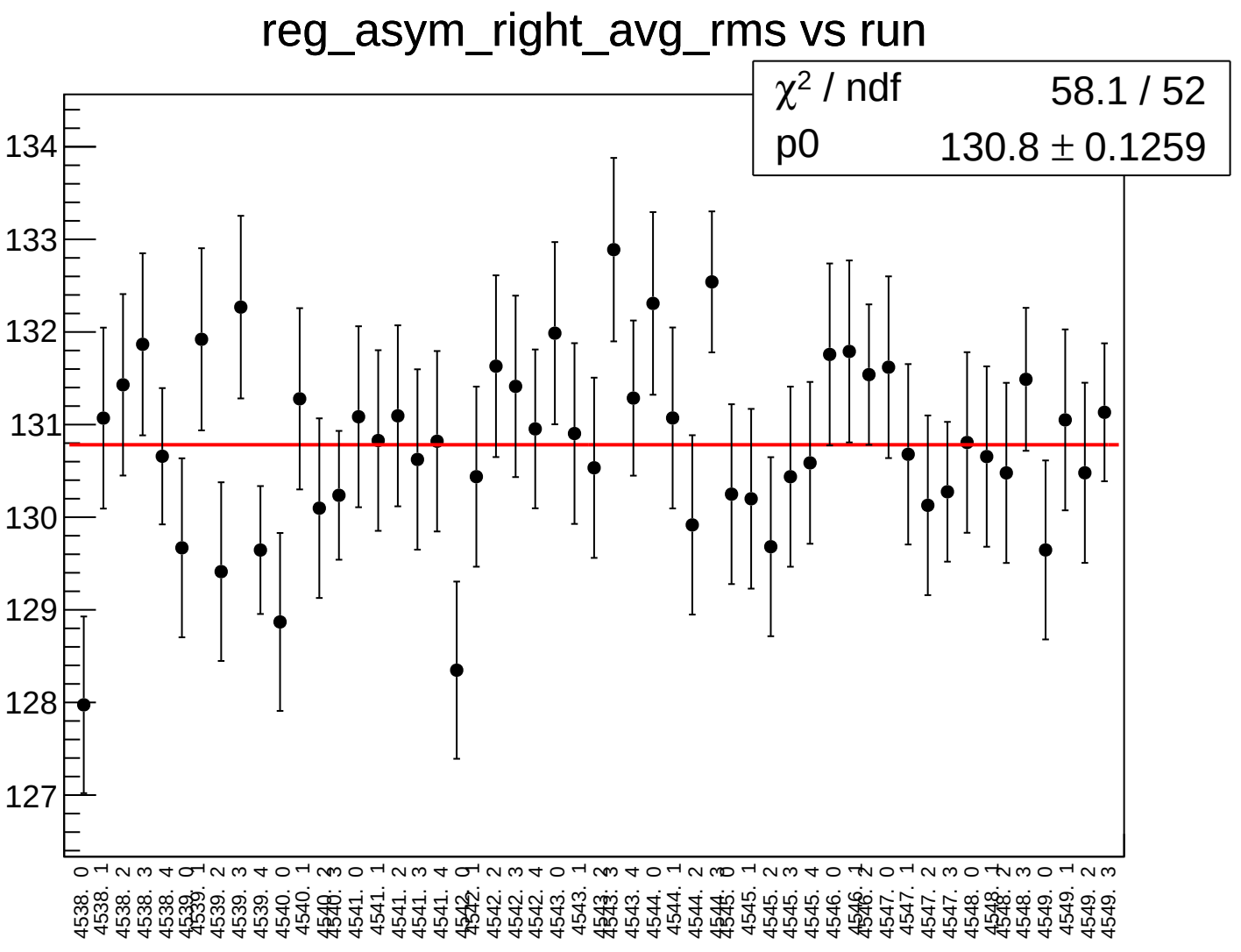

asym_left_dd_mean vs run
χ^2 / ndf 38.53 / 52
p0 104.7 ± 52.13
1000
500
0
−500
−1000
pull
Entries 53
Mean 5.422
Std Dev 37.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

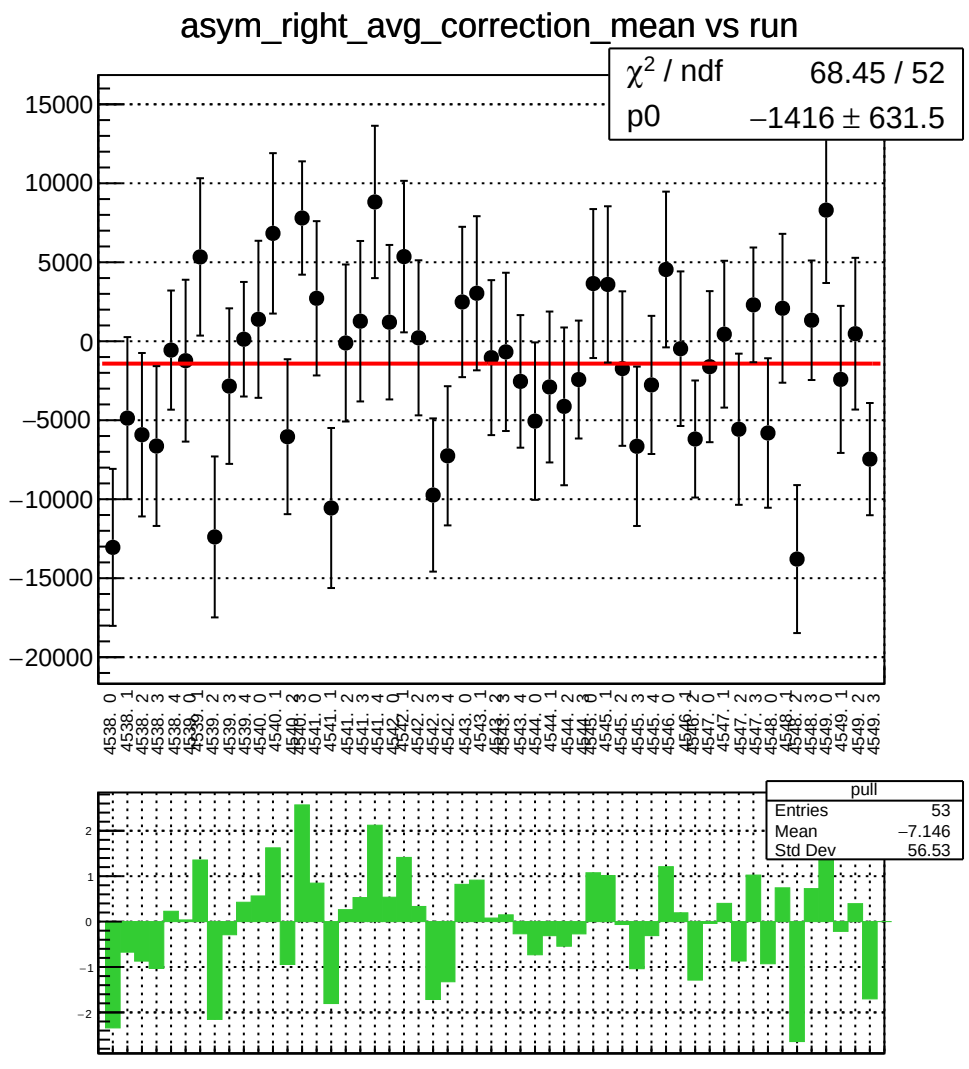

pull1D
Entries 53
Mean 0.02111
Std Dev 0.8524
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

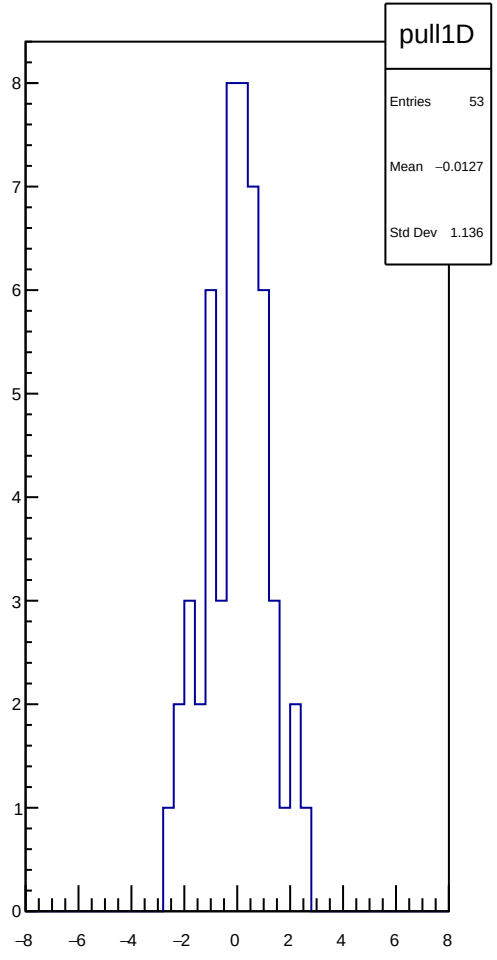

asym_left_dd_rms vs run
χ² / ndf 495 / 52
p0 38.27 ± 0.03686
40
39.5
39
38.5
38
37.5
37
36.5
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

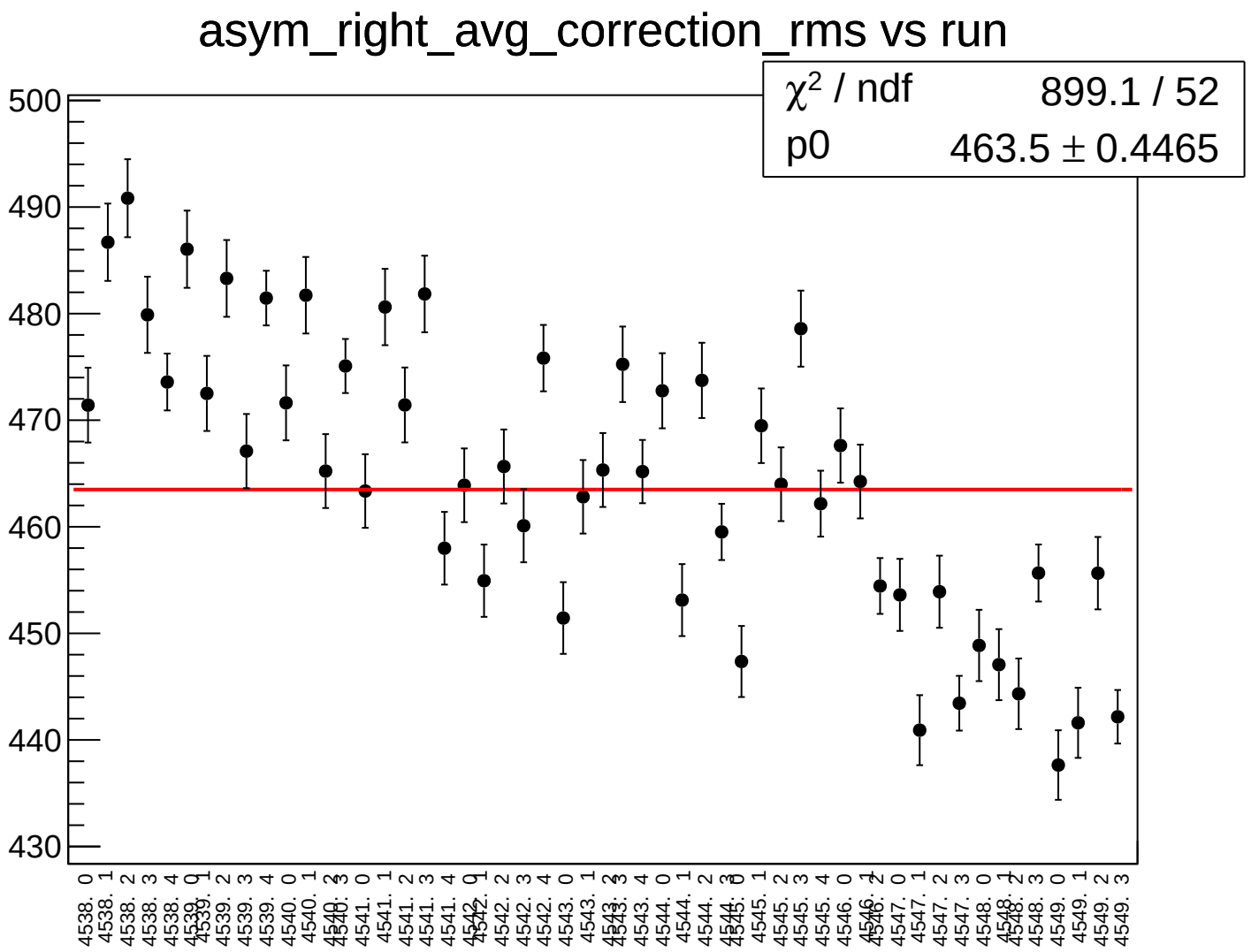

reg_asym_right_avg_mean vs run
χ² / ndf 62.4 / 52
p0 −483.3 ± 178.1
4000
2000
0
−2000
−4000
pull
Entries 53
Mean 239.5
Std Dev 213
2
1
0
−1
−2

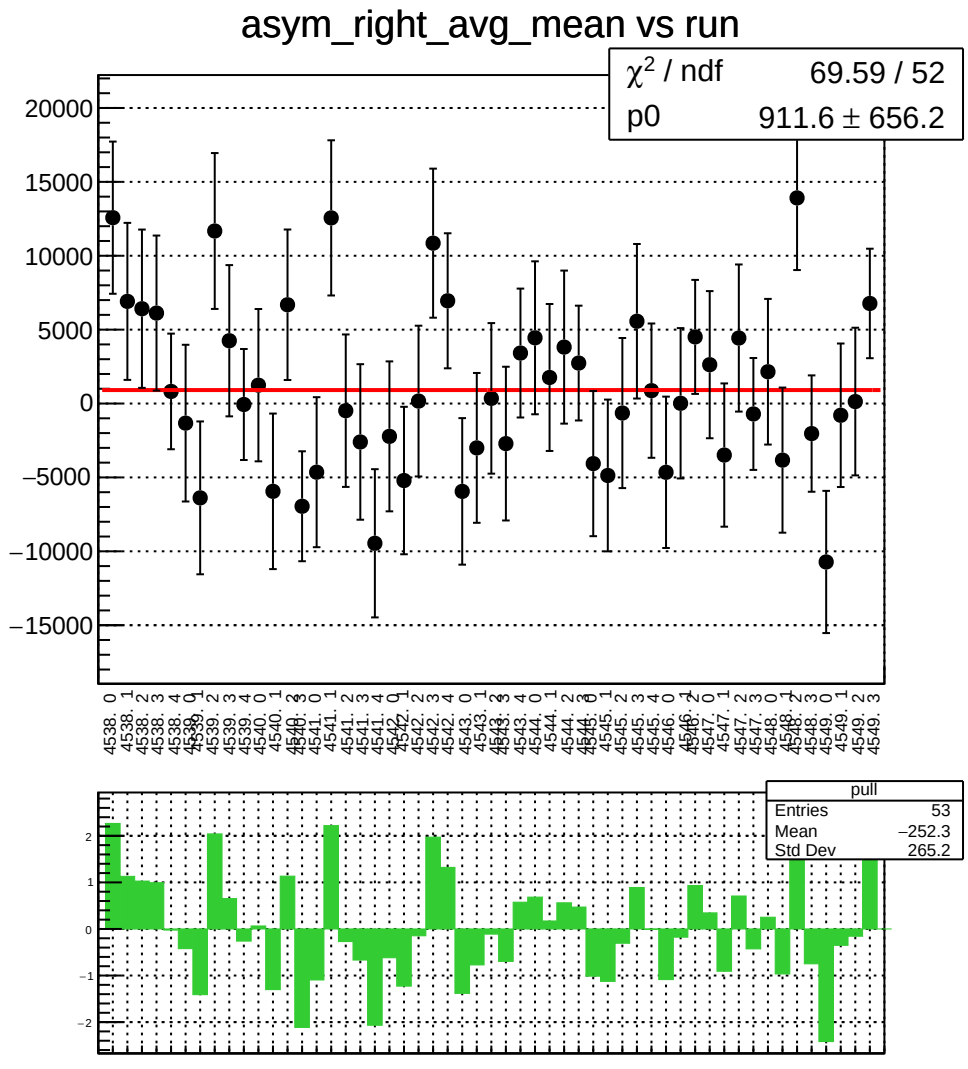

pull1D
Entries 53
Mean −0.02704
Std Dev 1.085
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

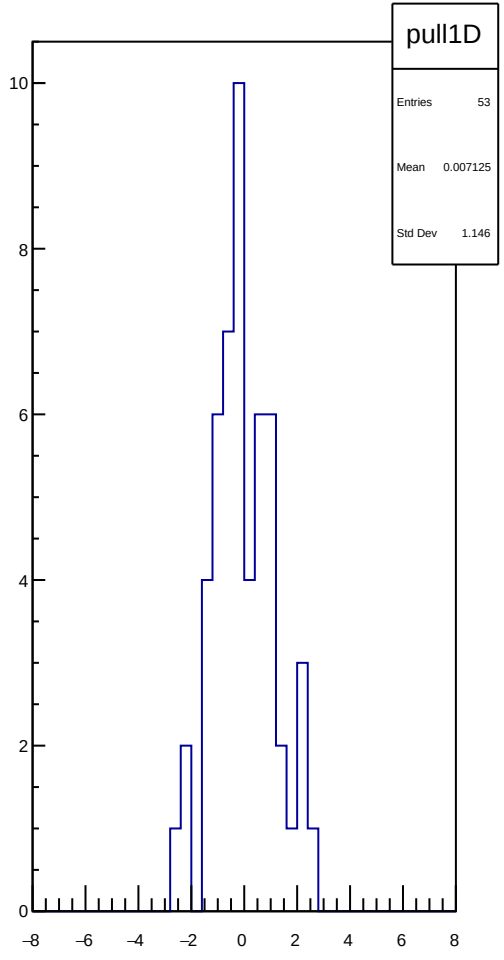

reg_asym_right_avg_rms vs run
χ² / ndf 58.1 / 52
p0 130.8 ± 0.1259
134
133
132
131
130
129
128
127
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

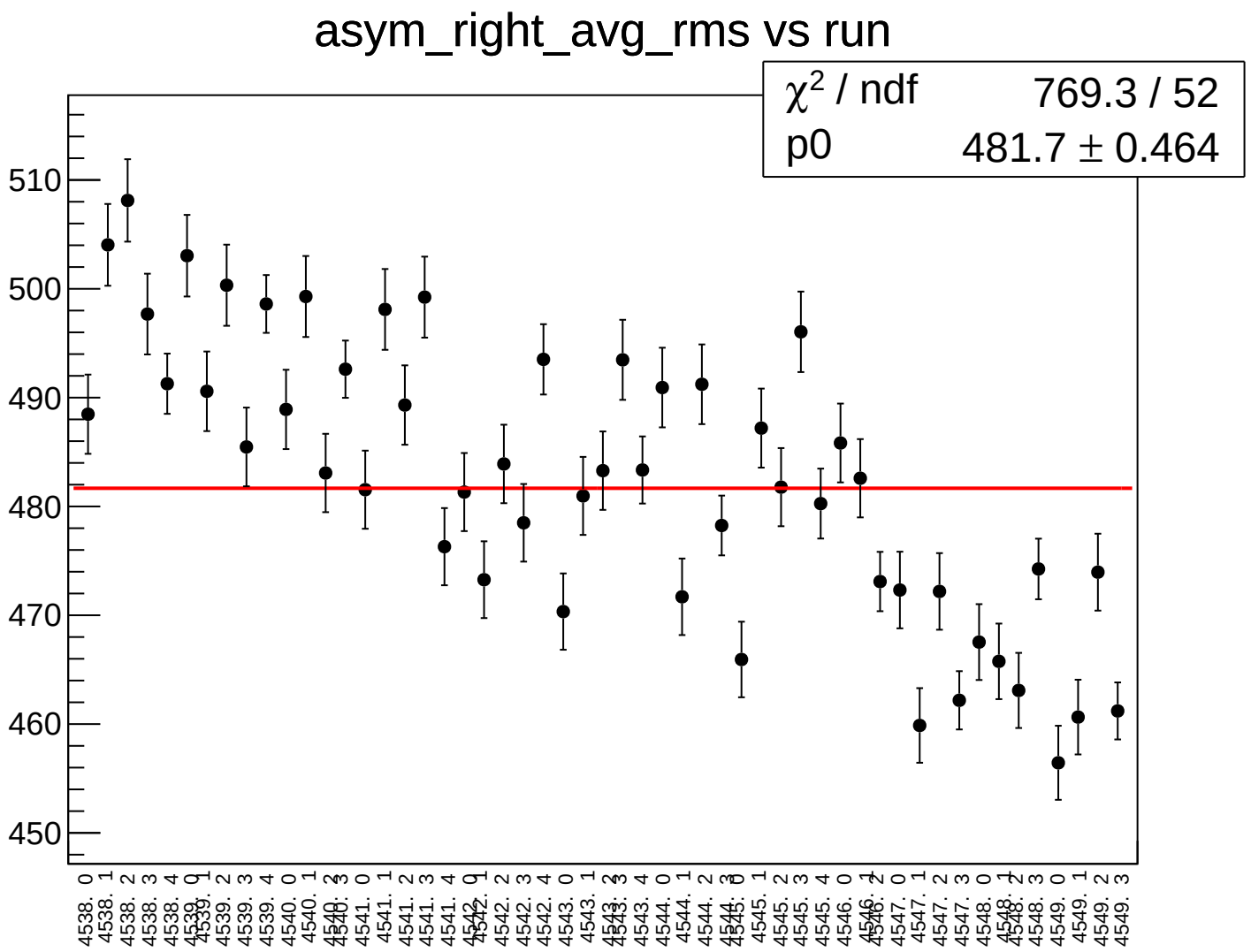

asym_right_avg_correction_mean vs run
χ² / ndf 68.45 / 52
p0 −1416 ± 631.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean −7.146
Std Dev 56.53

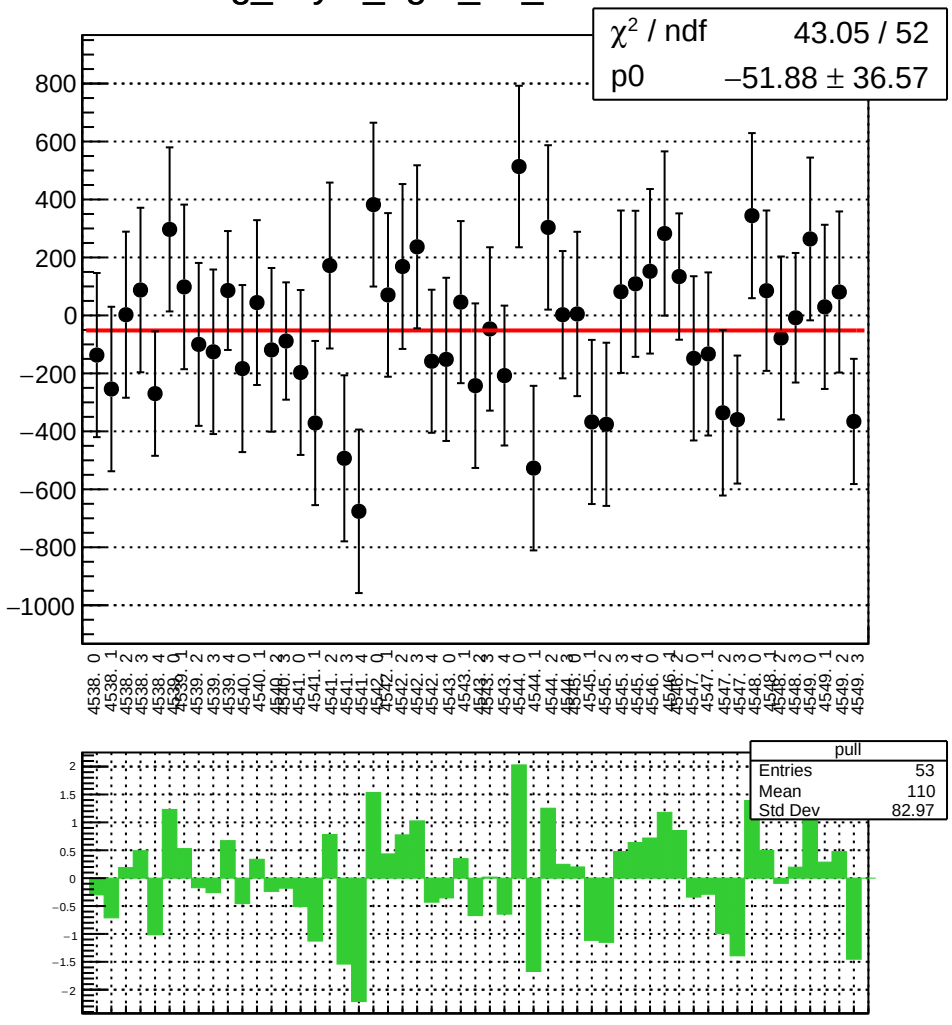

pull1D
Entries 53
Mean −0.0127
Std Dev 1.136

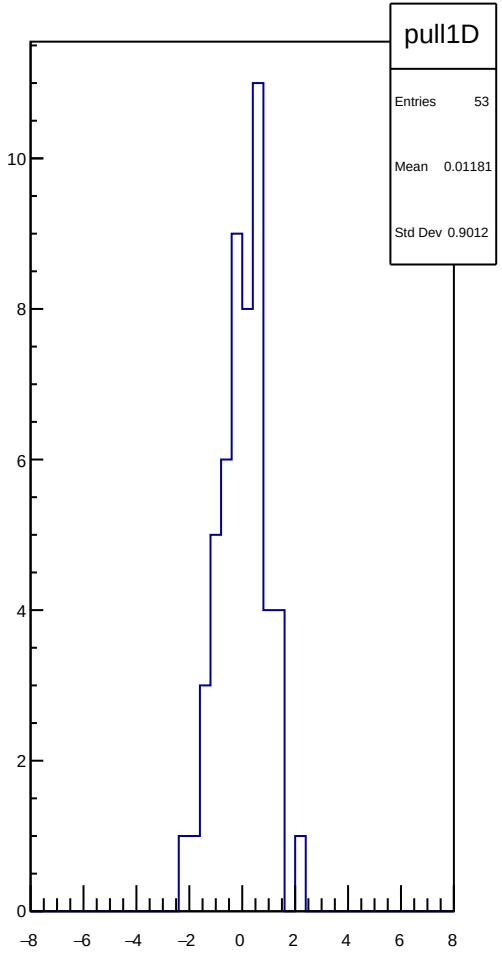

asym_right_avg_correction_rms vs run
χ² / ndf 899.1 / 52
p0 463.5 ± 0.4465
500
490
480
470
460
450
440
430
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

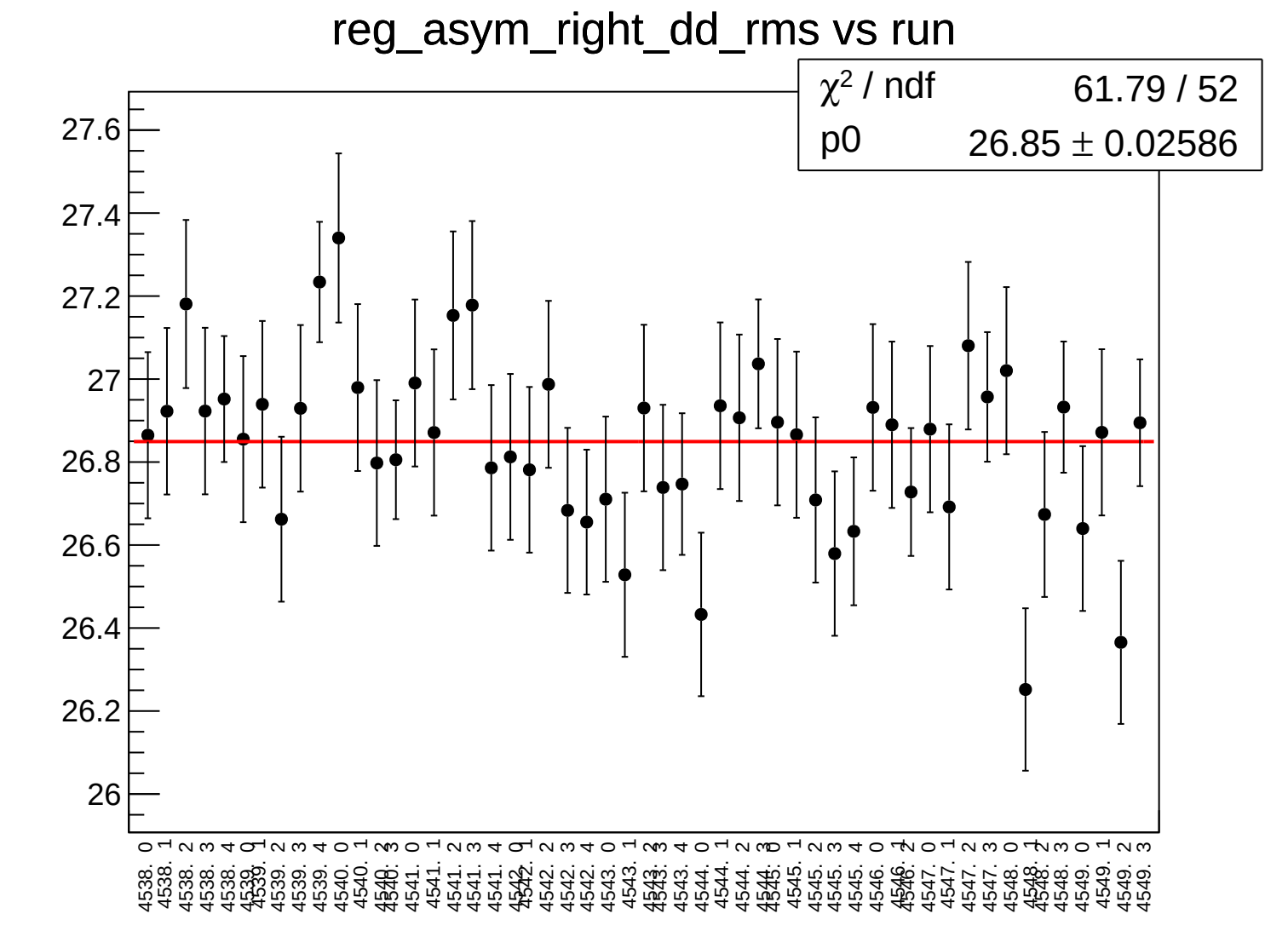

asym_right_avg_mean vs run
χ² / ndf 69.59 / 52
p0 911.6 ± 656.2
pull
Entries 53
Mean −252.3
Std Dev 265.2

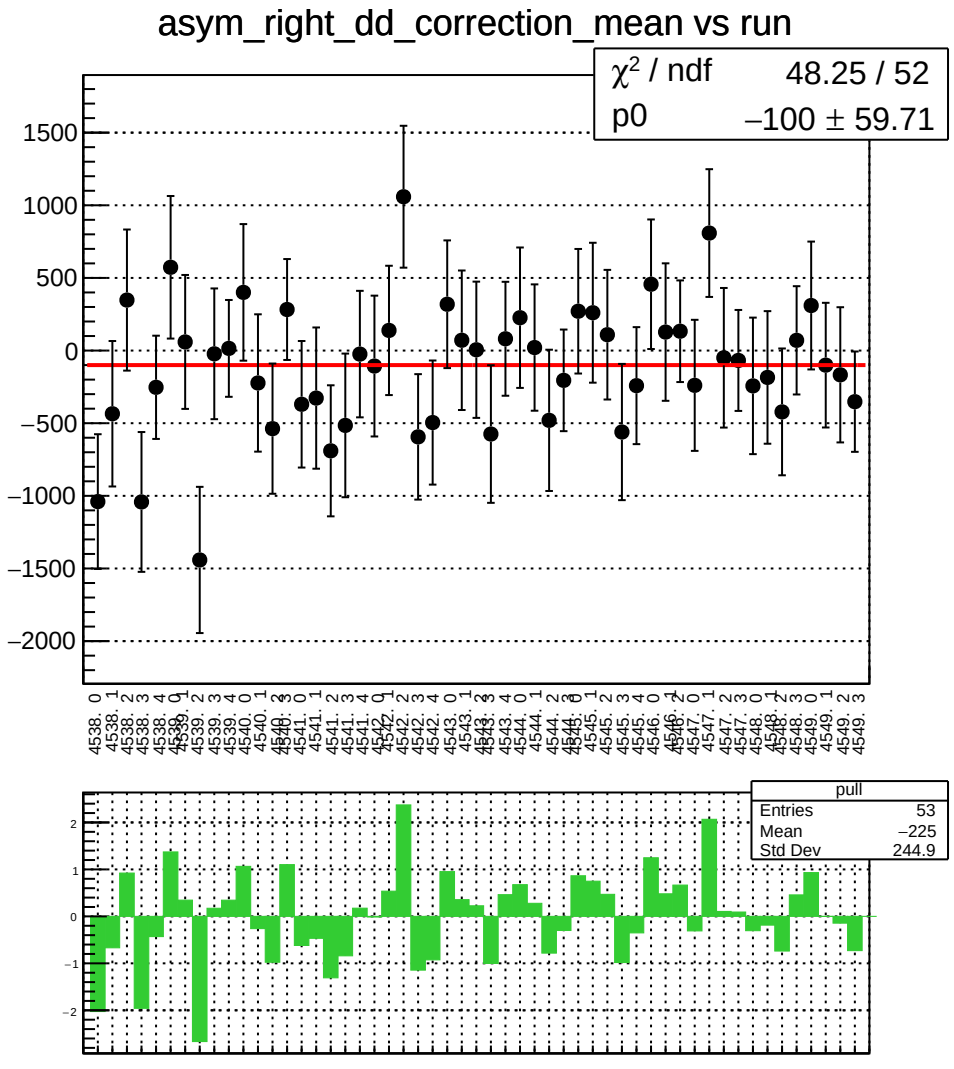

pull1D
Entries 53
Mean 0.007125
Std Dev 1.146

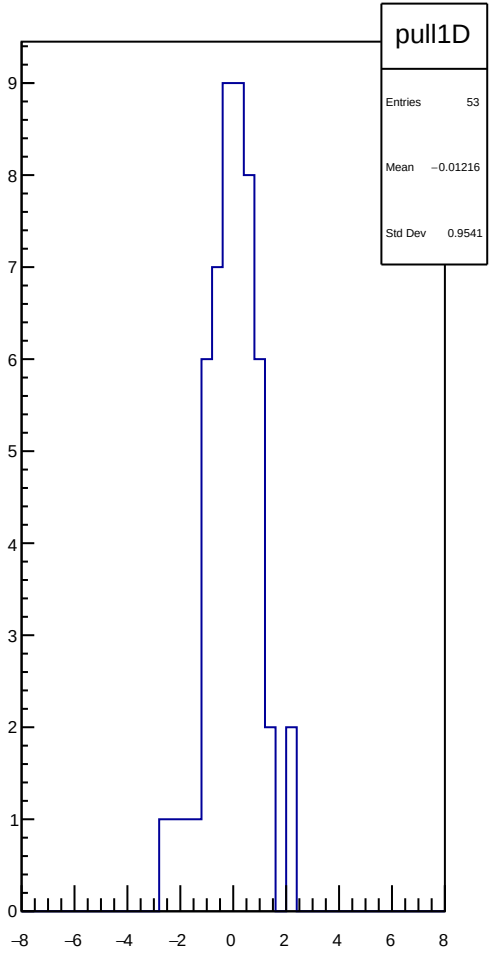

asym_right_avg_rms vs run
χ^2 / ndf 769.3 / 52
p0 481.7 ± 0.464
510
500
490
480
470
460
450
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

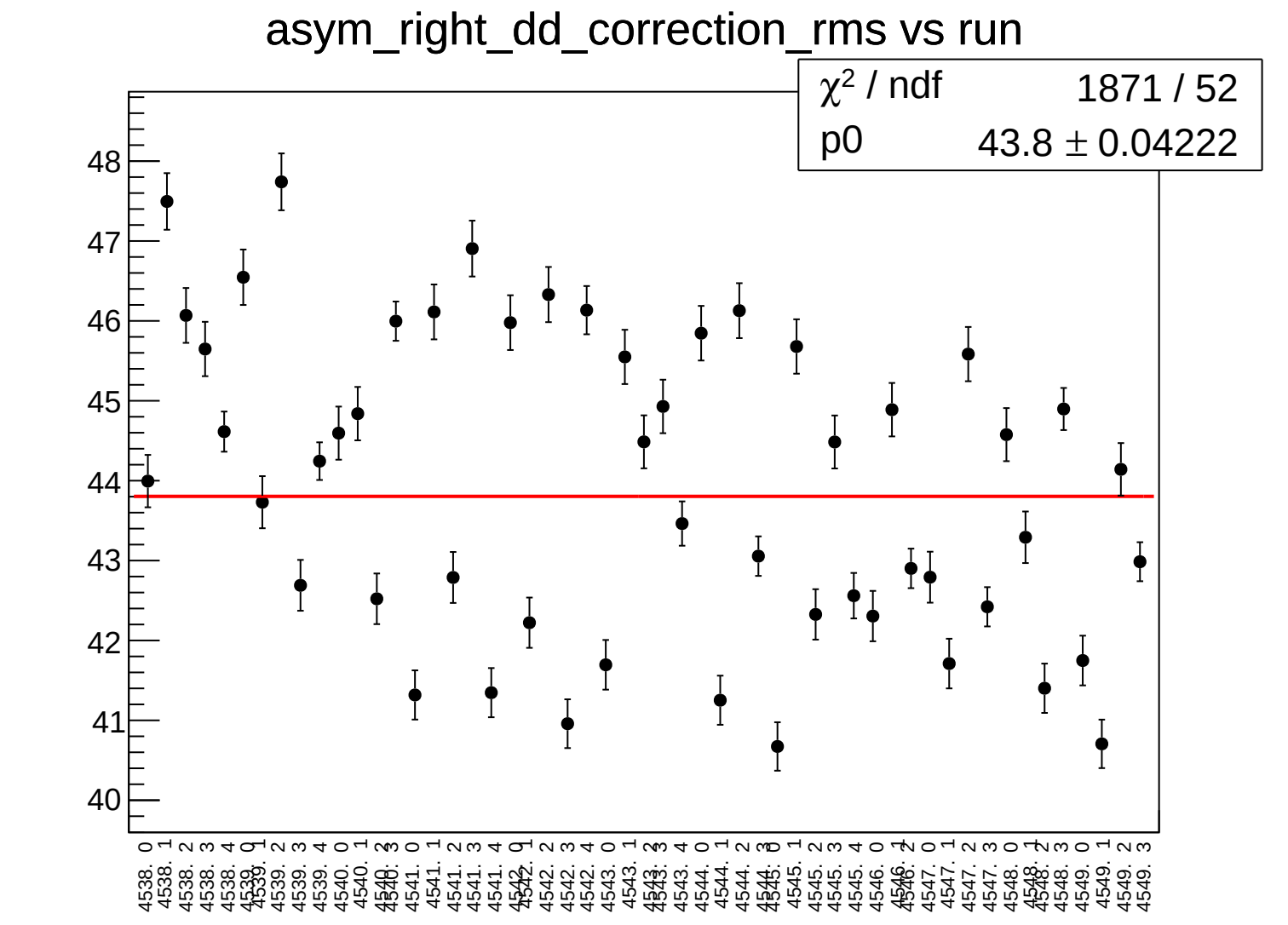

reg_asym_right_dd_mean vs run
χ² / ndf 43.05 / 52
p0 −51.88 ± 36.57
pull
Entries 53
Mean 110
Std Dev 82.97

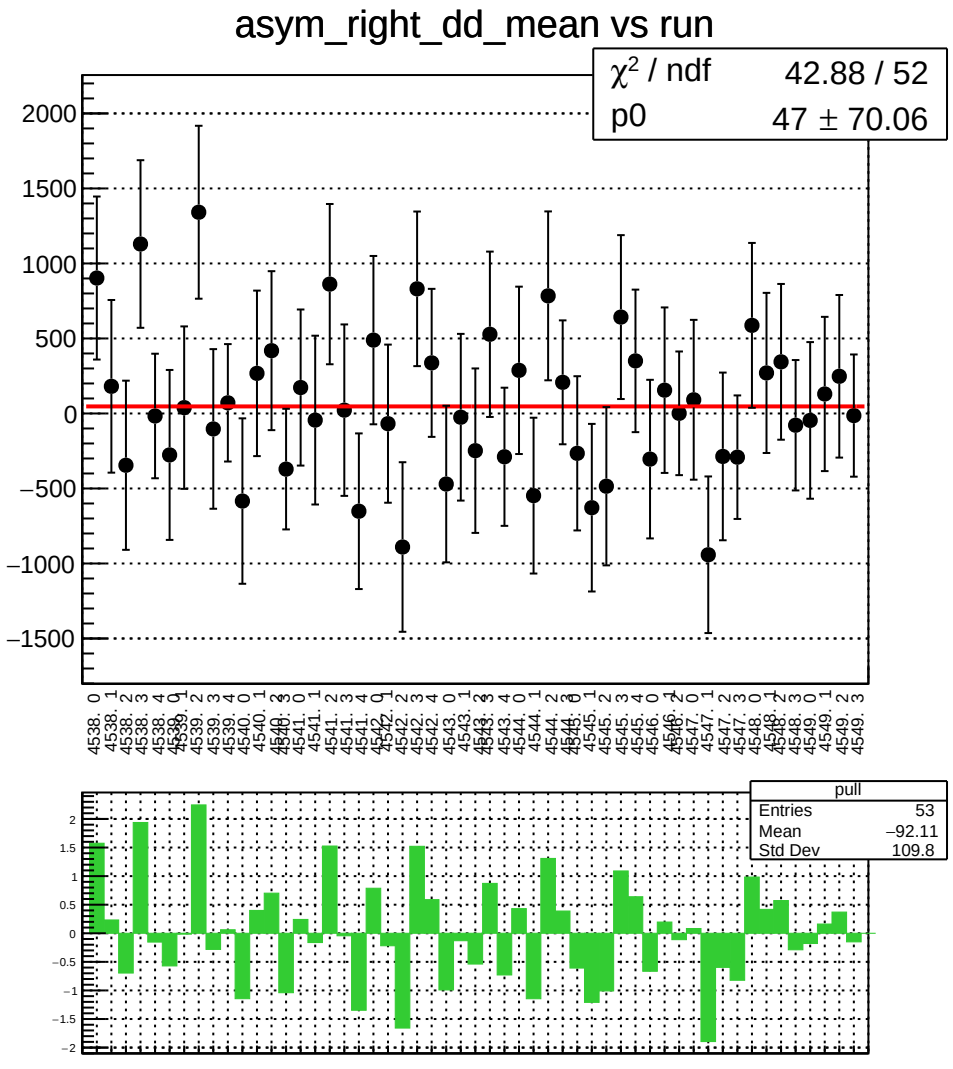

pull1D
Entries 53
Mean 0.01181
Std Dev 0.9012

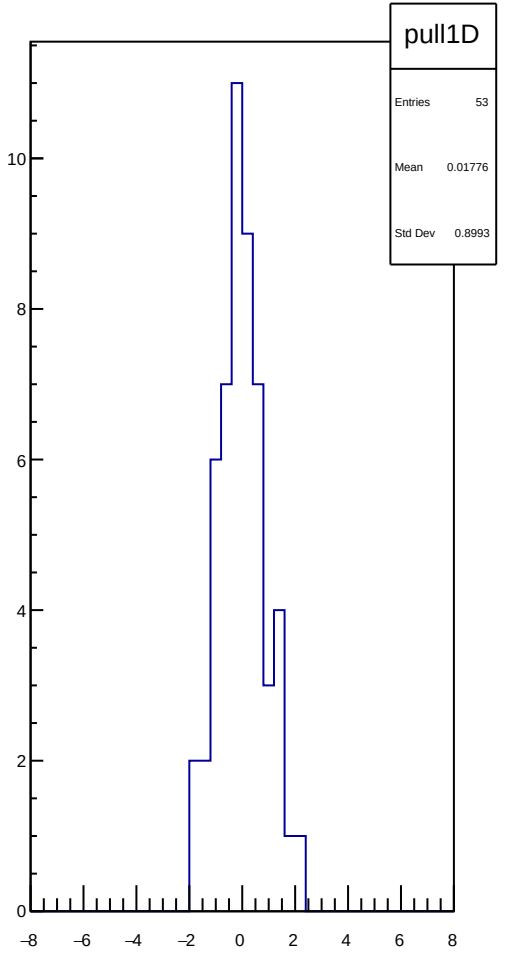

reg_asym_right_dd_rms vs run
χ² / ndf 61.79 / 52
p0 26.85 ± 0.02586
27.6
27.4
27.2
27
26.8
26.6
26.4
26.2
26

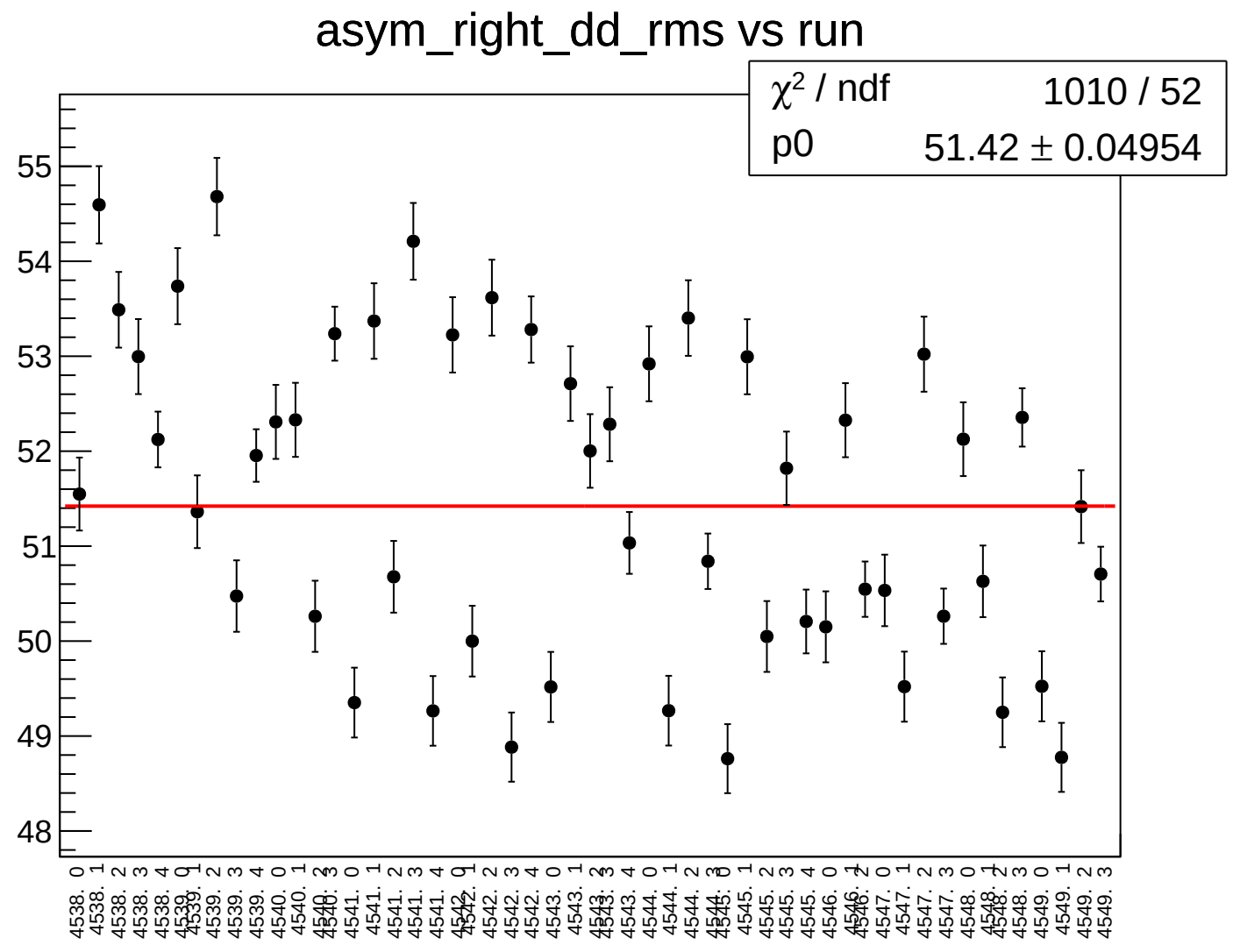

asym_right_dd_correction_mean vs run
χ² / ndf 48.25 / 52
p0 −100 ± 59.71
pull
Entries 53
Mean −225
Std Dev 244.9

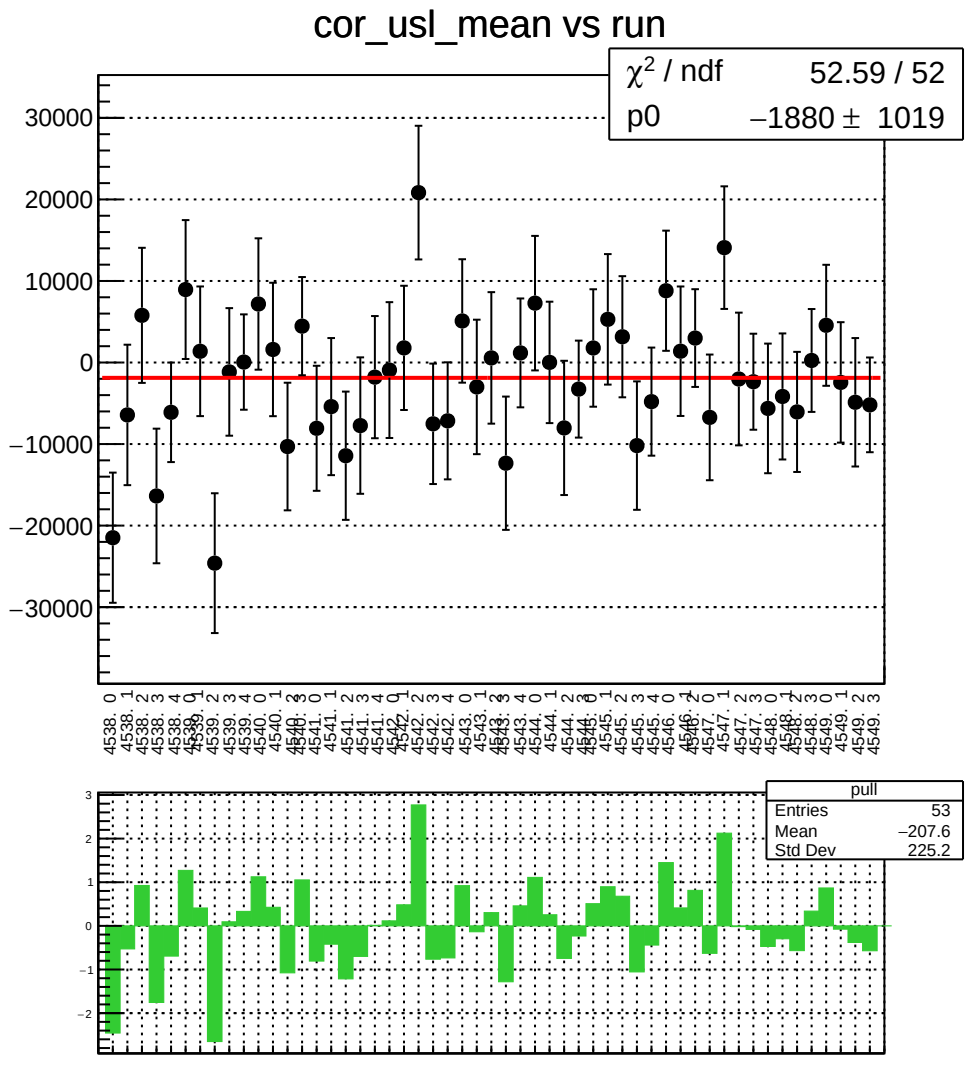

pull1D
Entries 53
Mean −0.01216
Std Dev 0.9541

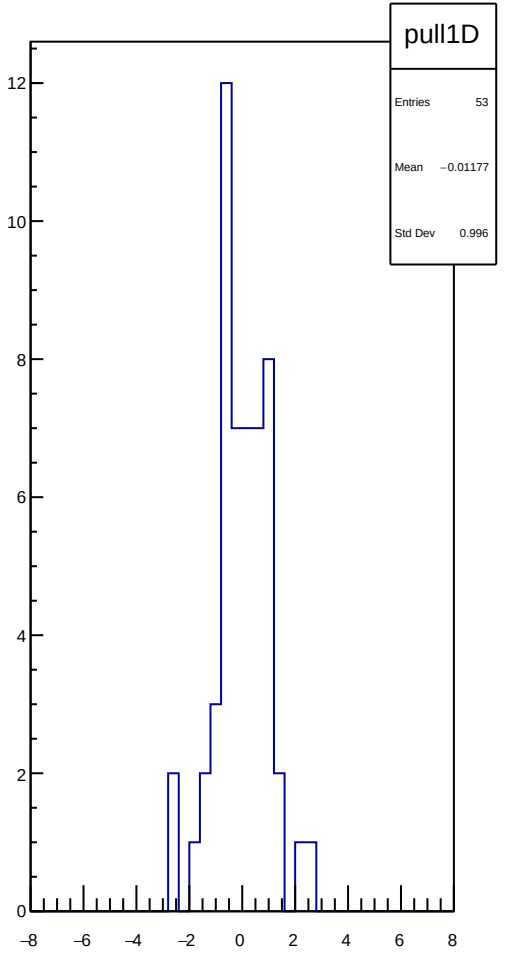

asym_right_dd_correction_rms vs run
χ² / ndf 1871 / 52
p0 43.8 ± 0.04222
48
47
46
45
44
43
42
41
40
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

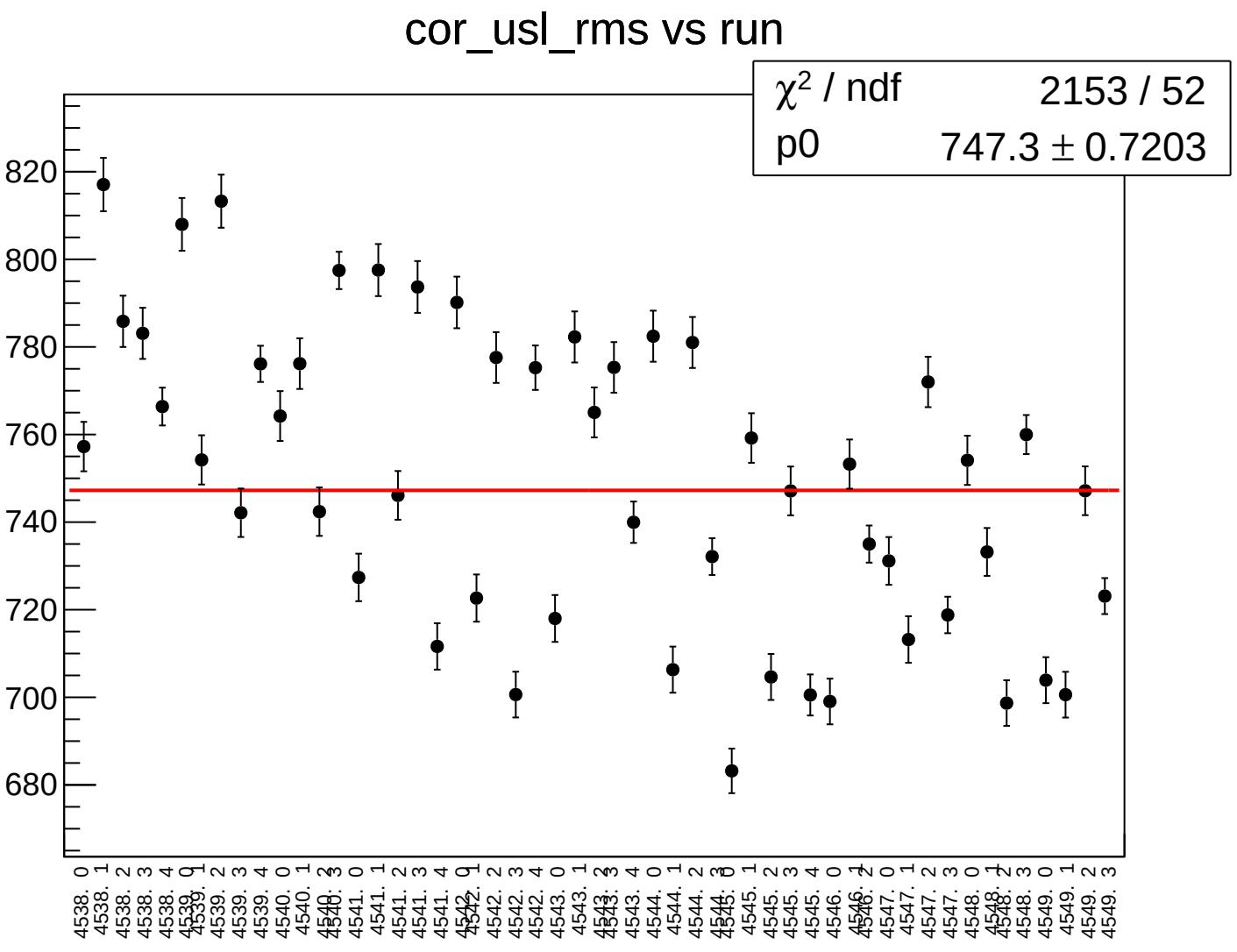

asym_right_dd_mean vs run
χ^2 / ndf 42.88 / 52
p0 47 ± 70.06
pull
Entries 53
Mean −92.11
Std Dev 109.8

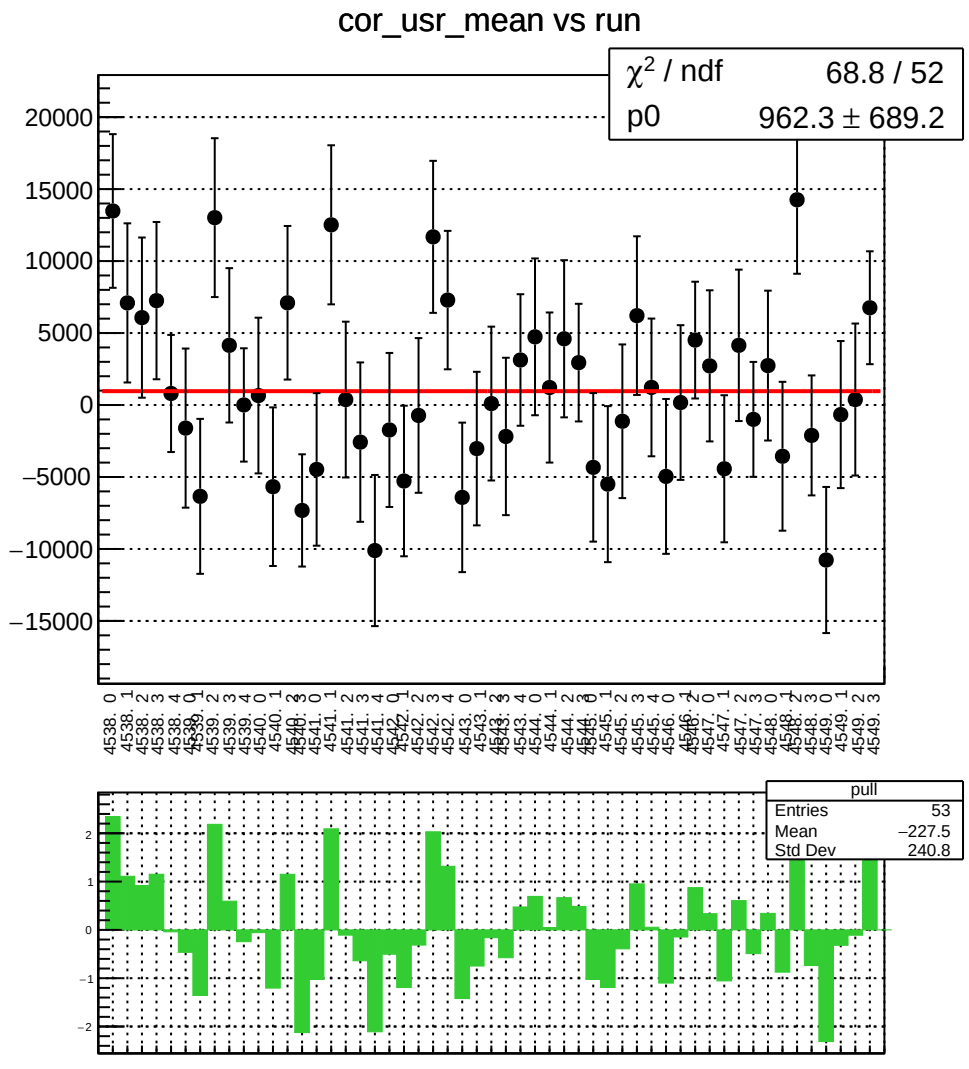

pull1D
Entries 53
Mean 0.01776
Std Dev 0.8993

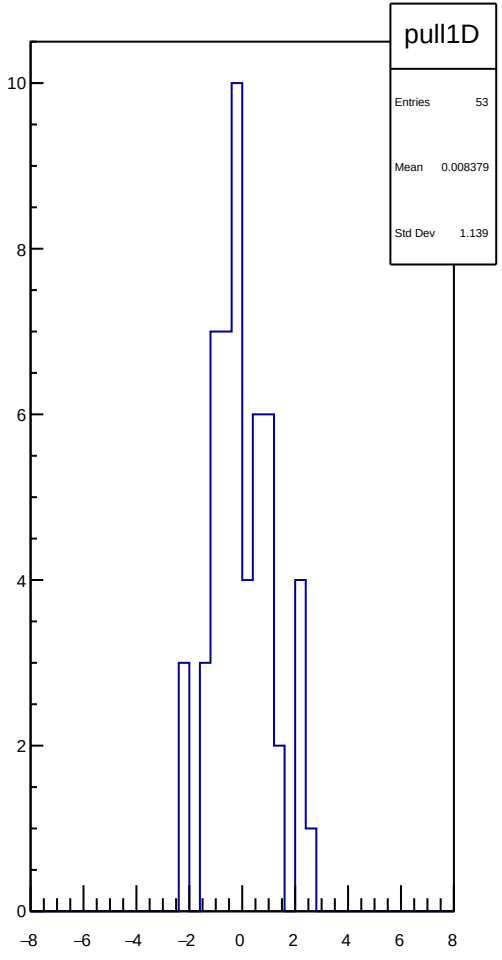

asym_right_dd_rms vs run
χ² / ndf 1010 / 52
p0 51.42 ± 0.04954
55
54
53
52
51
50
49
48
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

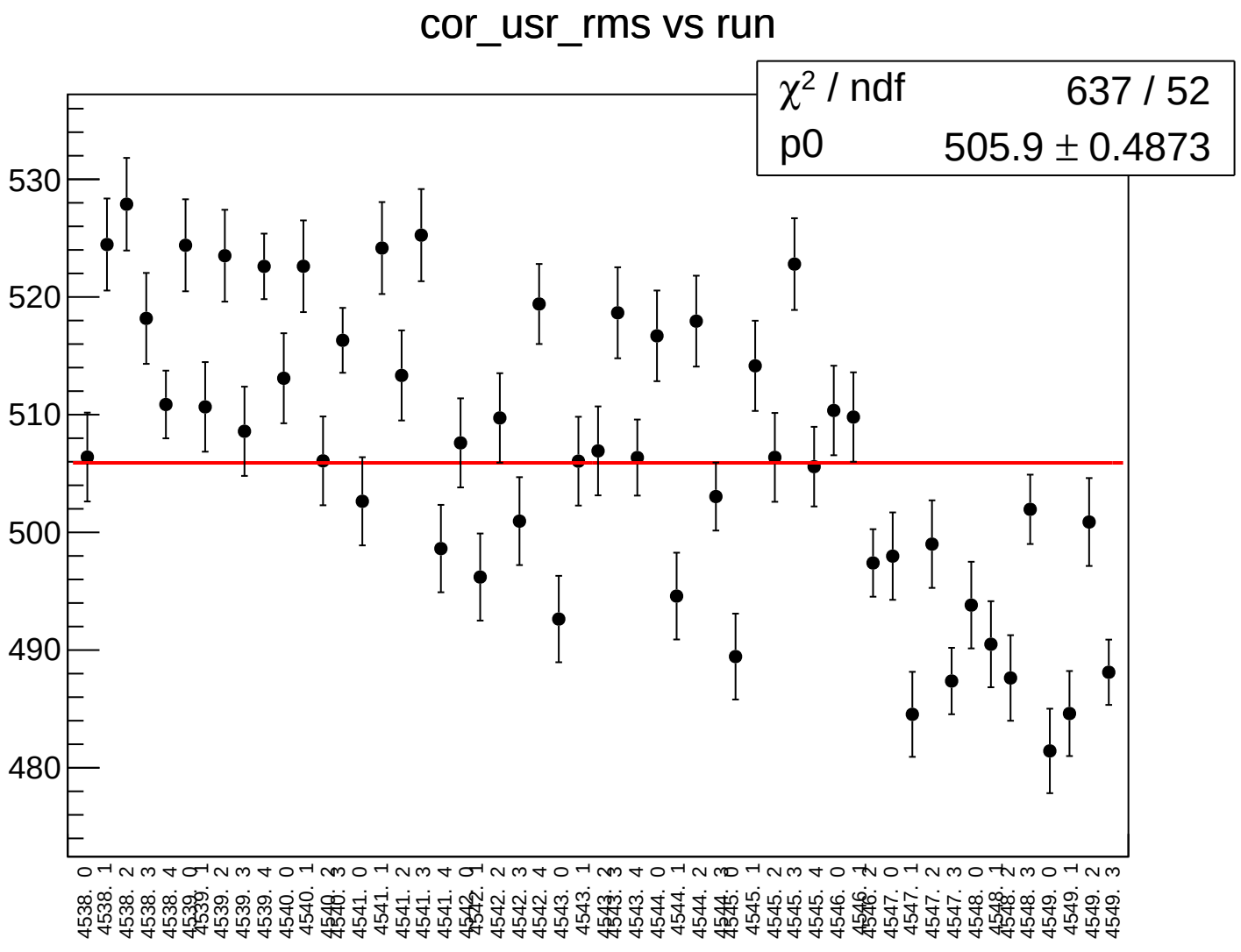

cor_usl_mean vs run
χ² / ndf 52.59 / 52
p0 −1880 ± 1019
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −207.6
Std Dev 225.2
3
2
1
0
−1
−2

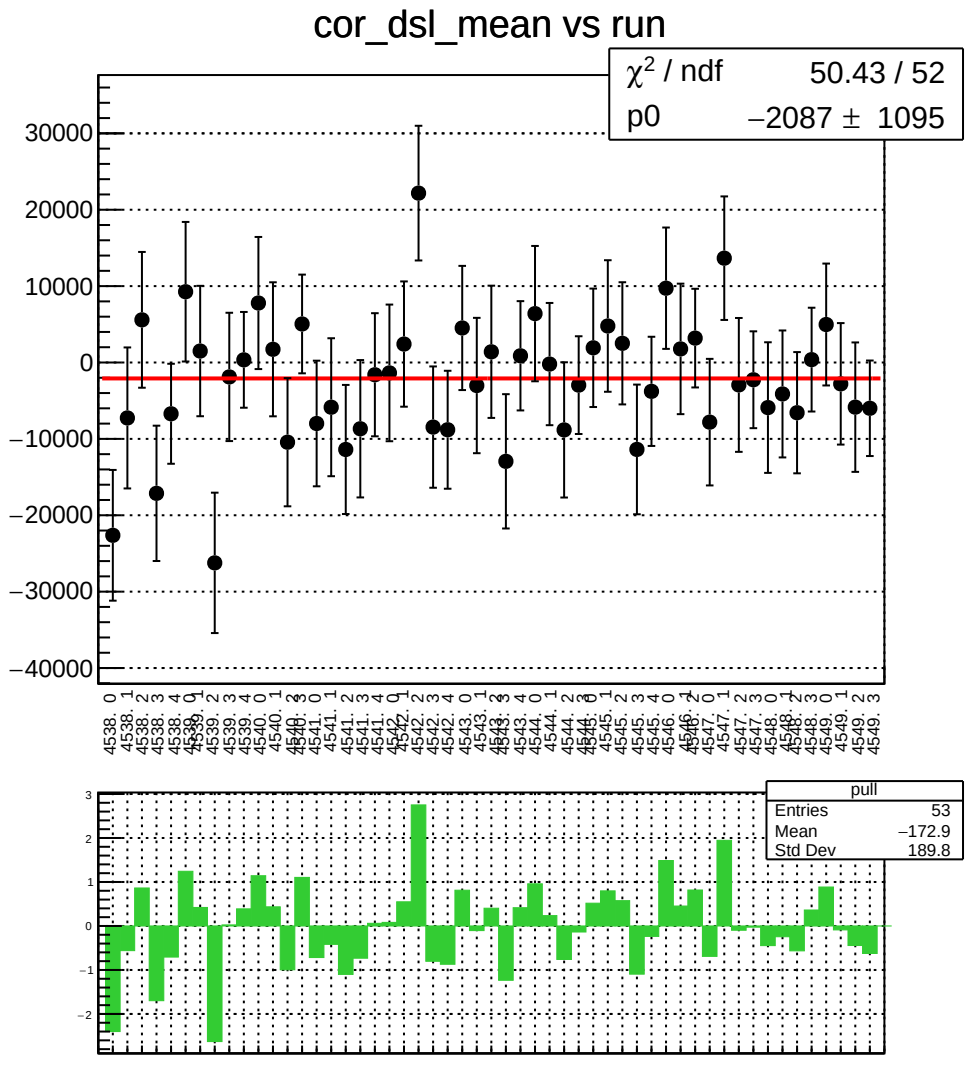

pull1D
Entries 53
Mean −0.01177
Std Dev 0.996
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

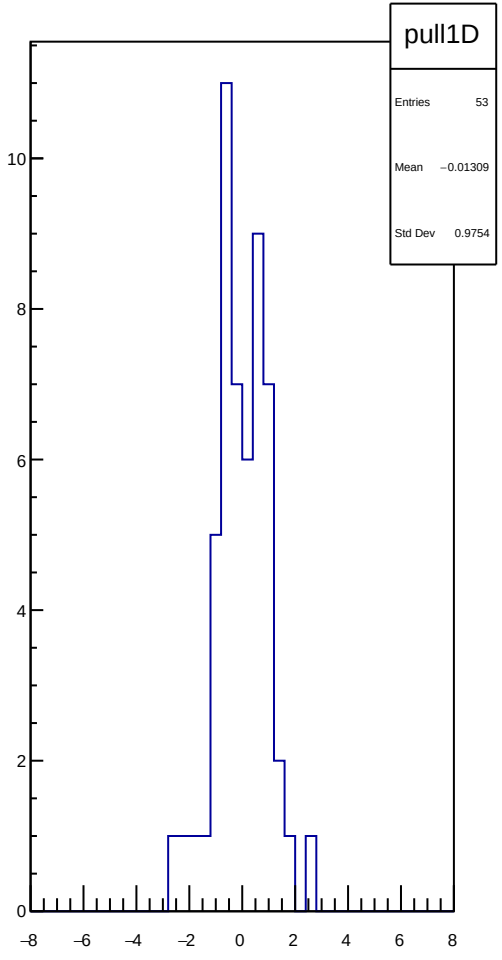

cor_usl_rms vs run
χ² / ndf 2153 / 52
p0 747.3 ± 0.7203
820
800
780
760
740
720
700
680
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

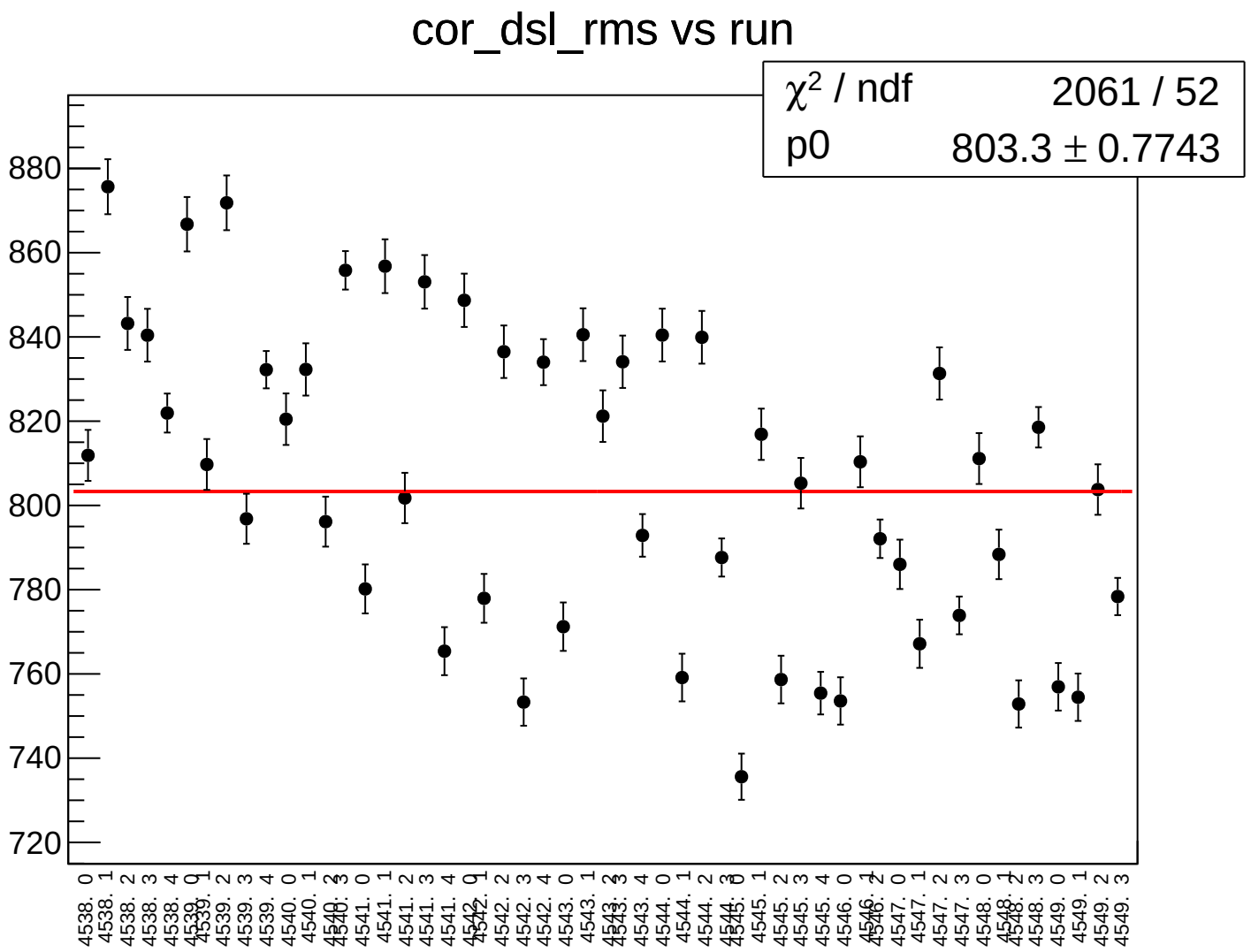

cor_usr_mean vs run
χ² / ndf 68.8 / 52
p0 962.3 ± 689.2
pull
Entries 53
Mean −227.5
Std Dev 240.8

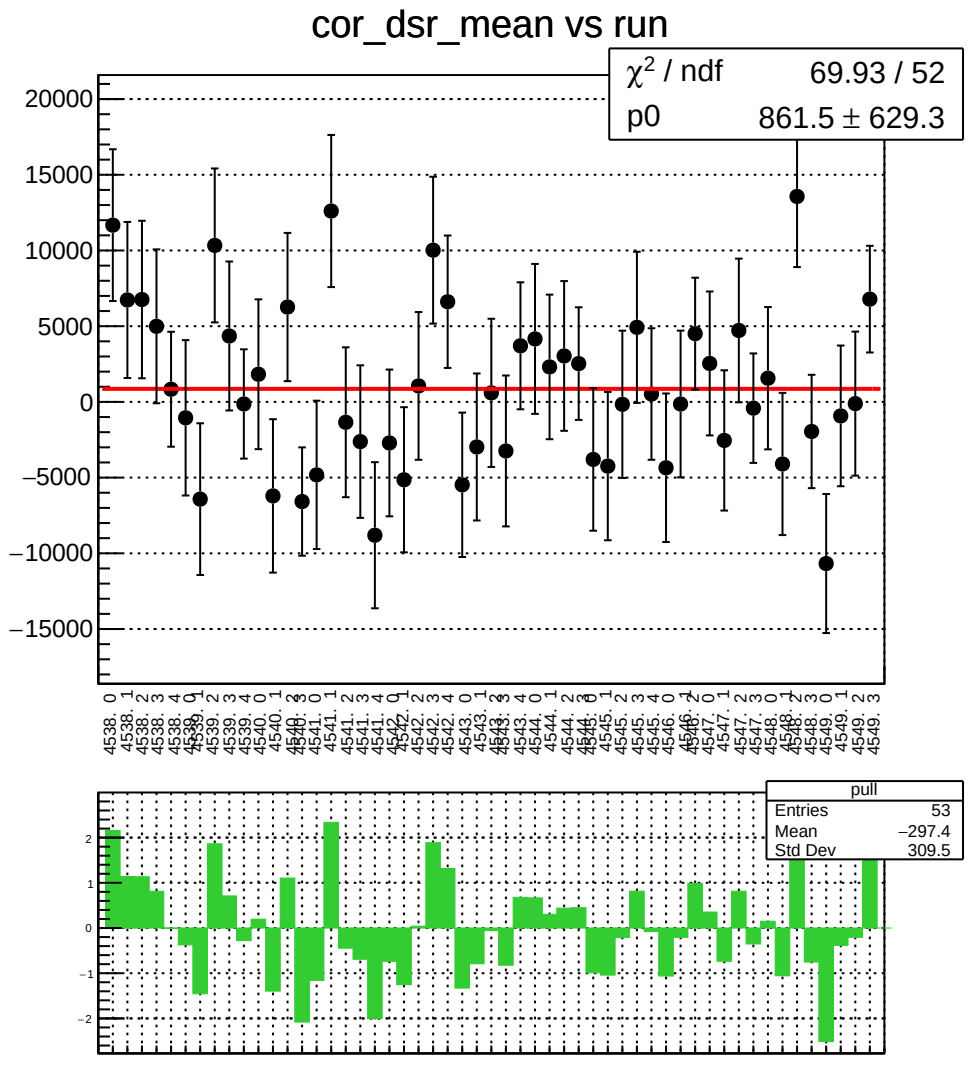

pull1D
Entries 53
Mean 0.008379
Std Dev 1.139

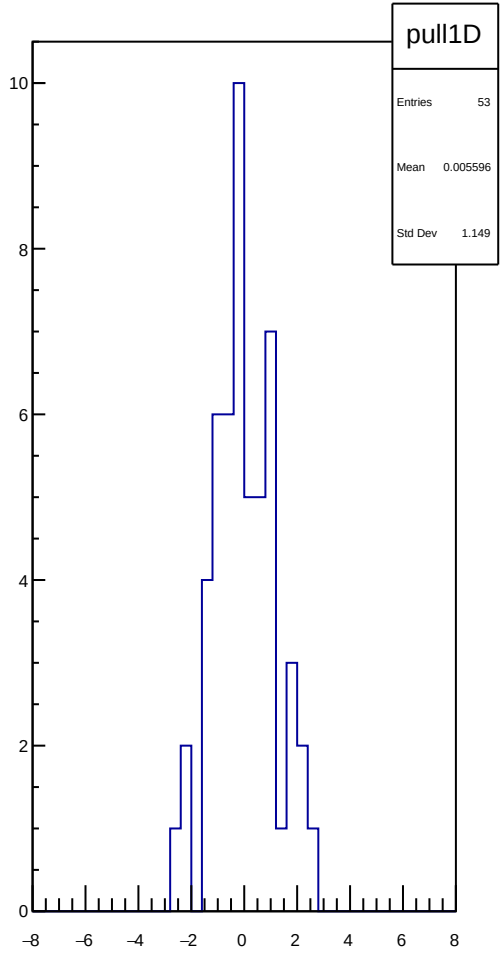

cor_usr_rms vs run
χ² / ndf 637 / 52
p0 505.9 ± 0.4873
530
520
510
500
490
480
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

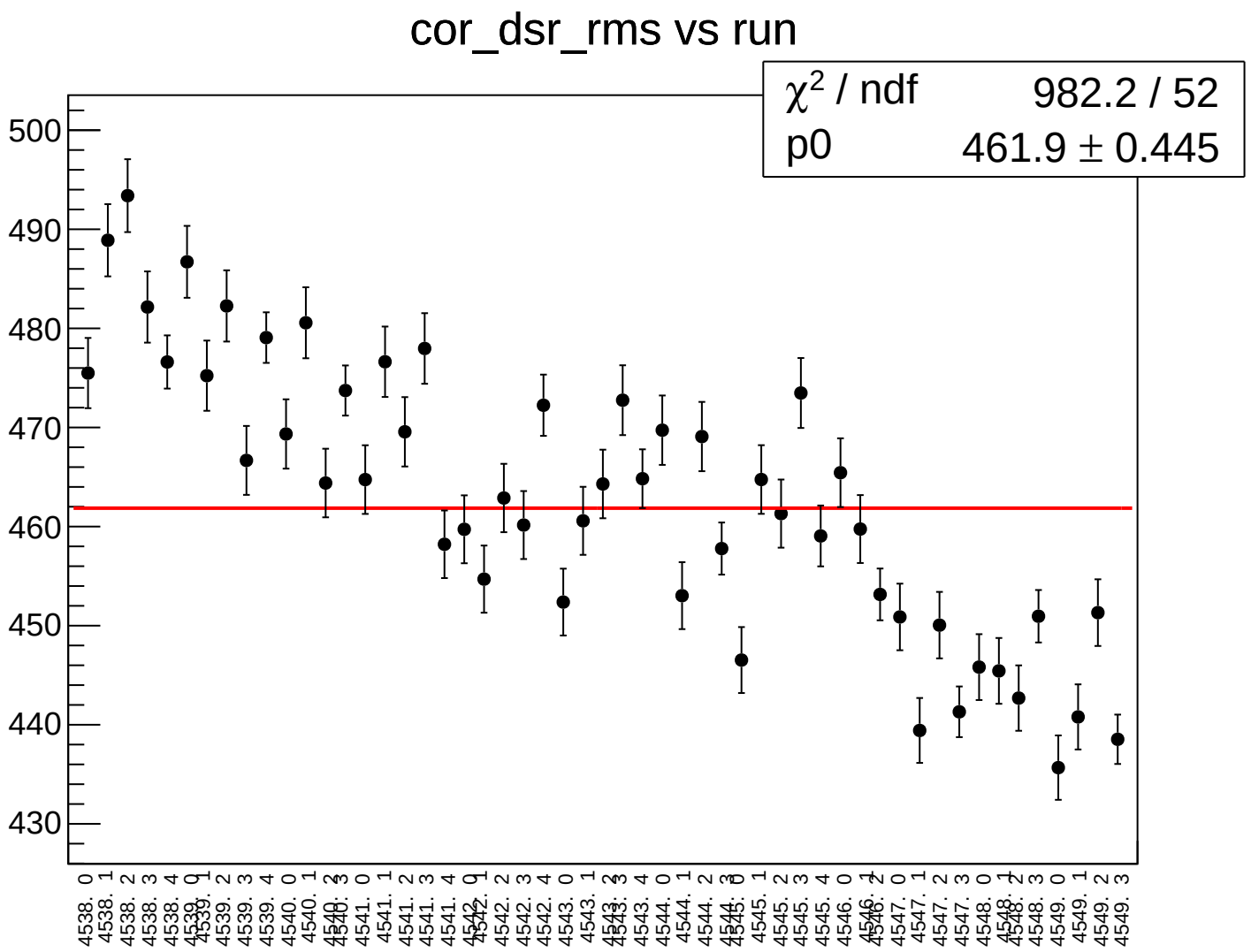

cor_dsl_mean vs run
χ² / ndf 50.43 / 52
p0 −2087 ± 1095
pull
Entries 53
Mean −172.9
Std Dev 189.8

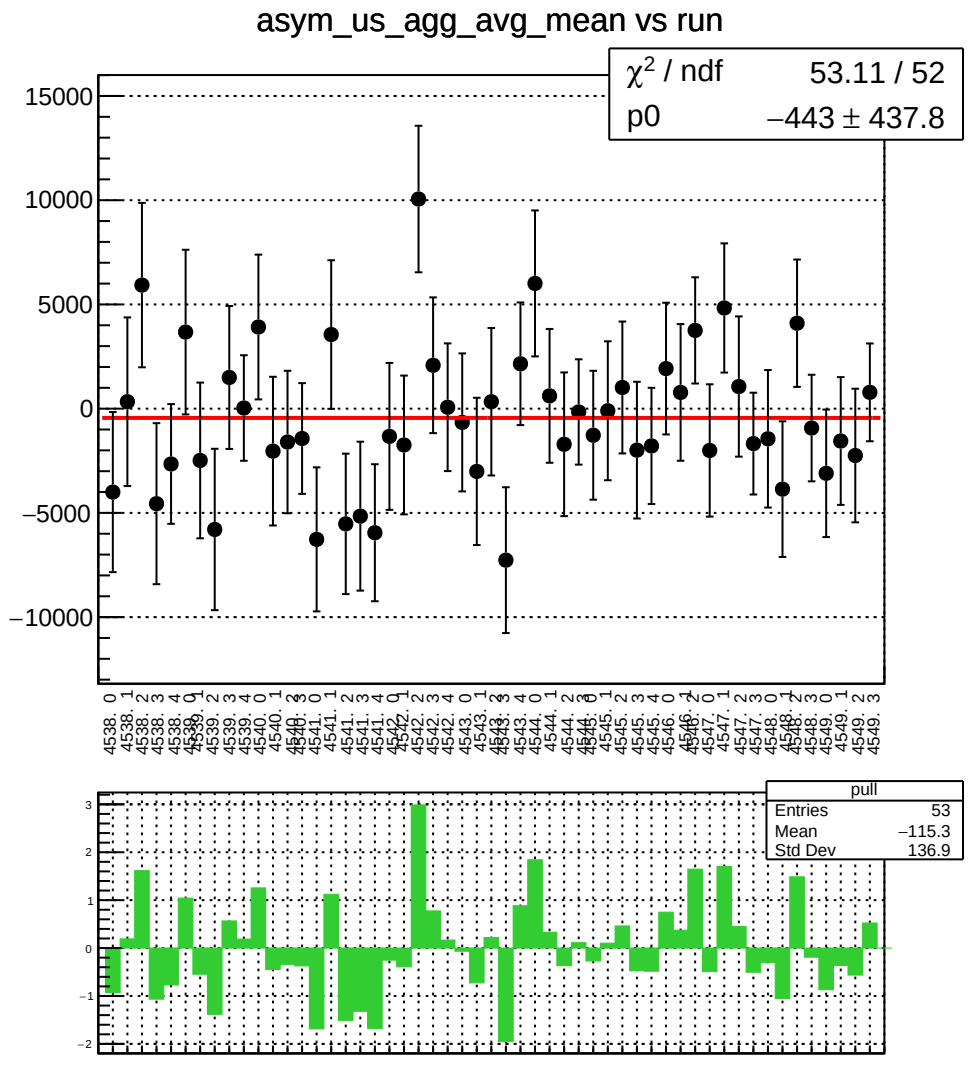

pull1D
Entries 53
Mean −0.01309
Std Dev 0.9754

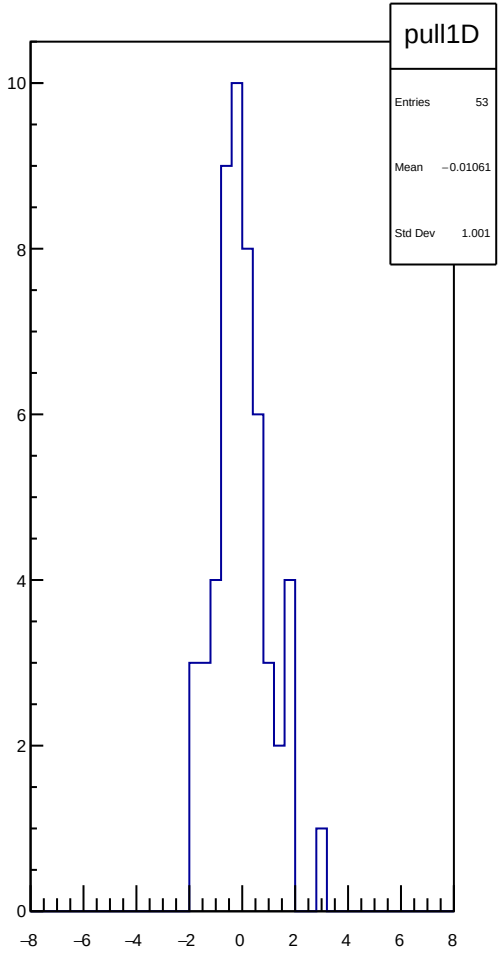

cor_dsl_rms vs run
χ² / ndf 2061 / 52
p0 803.3 ± 0.7743
880
860
840
820
800
780
760
740
720
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

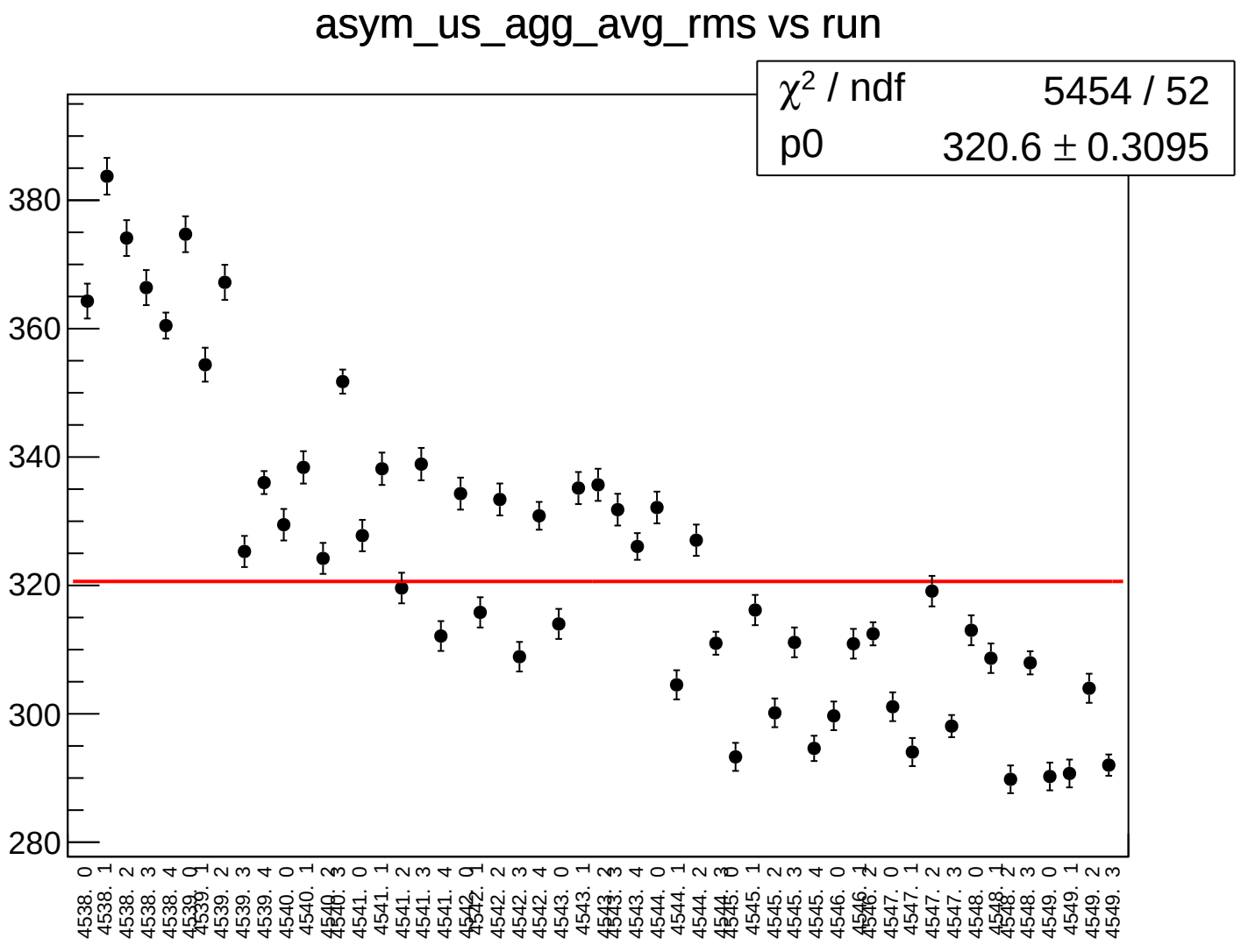

cor_dsr_mean vs run
χ² / ndf 69.93 / 52
p0 861.5 ± 629.3
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −297.4
Std Dev 309.5
2
1
0
−1
−2

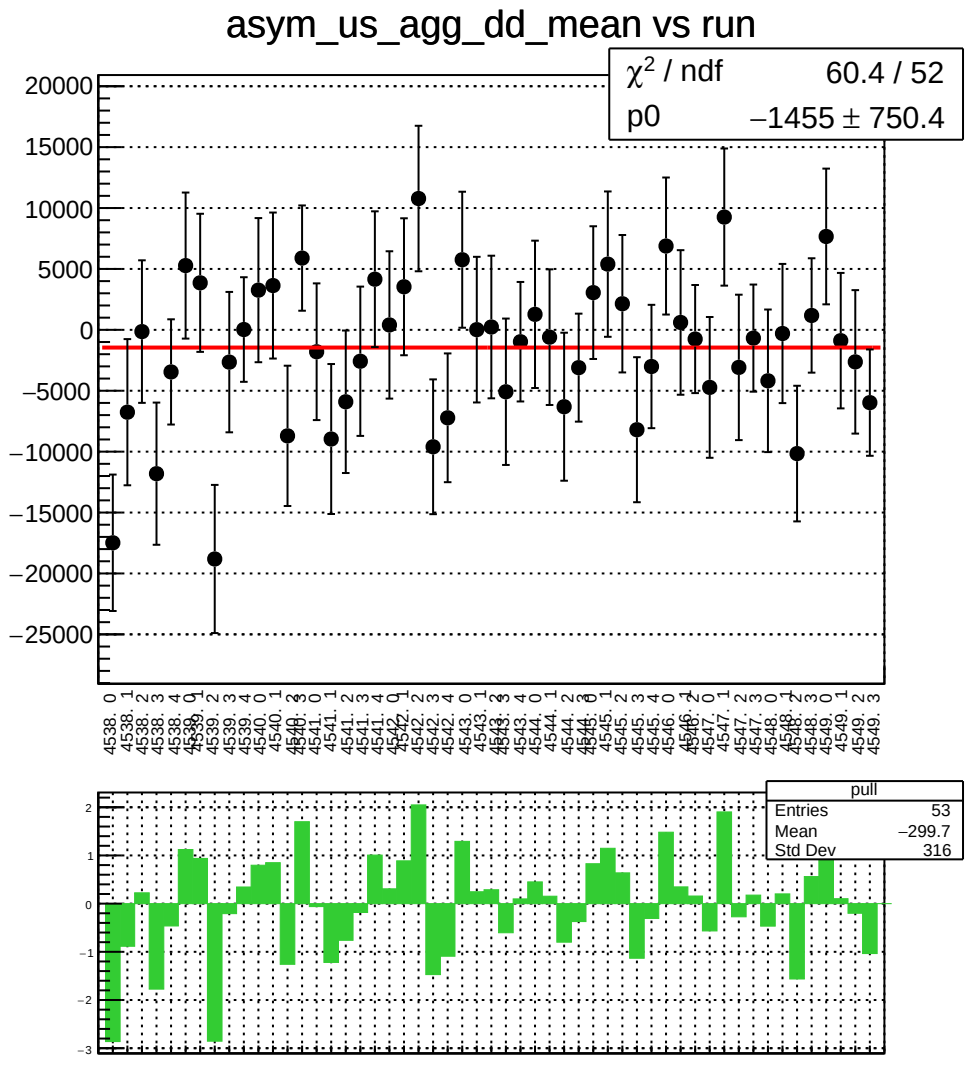

pull1D
Entries 53
Mean 0.005596
Std Dev 1.149
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

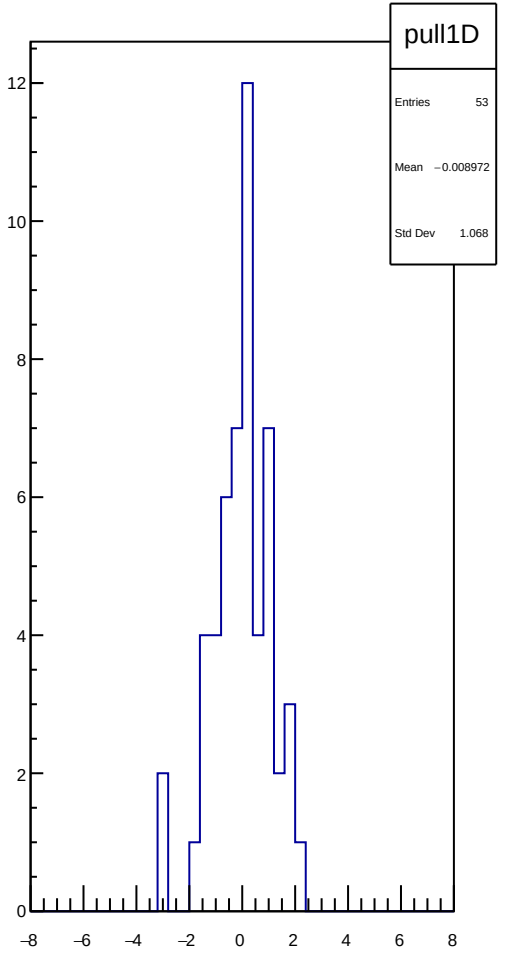

cor_dsr_rms vs run
χ^2 / ndf 982.2 / 52
p0 461.9 ± 0.445
500
490
480
470
460
450
440
430
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

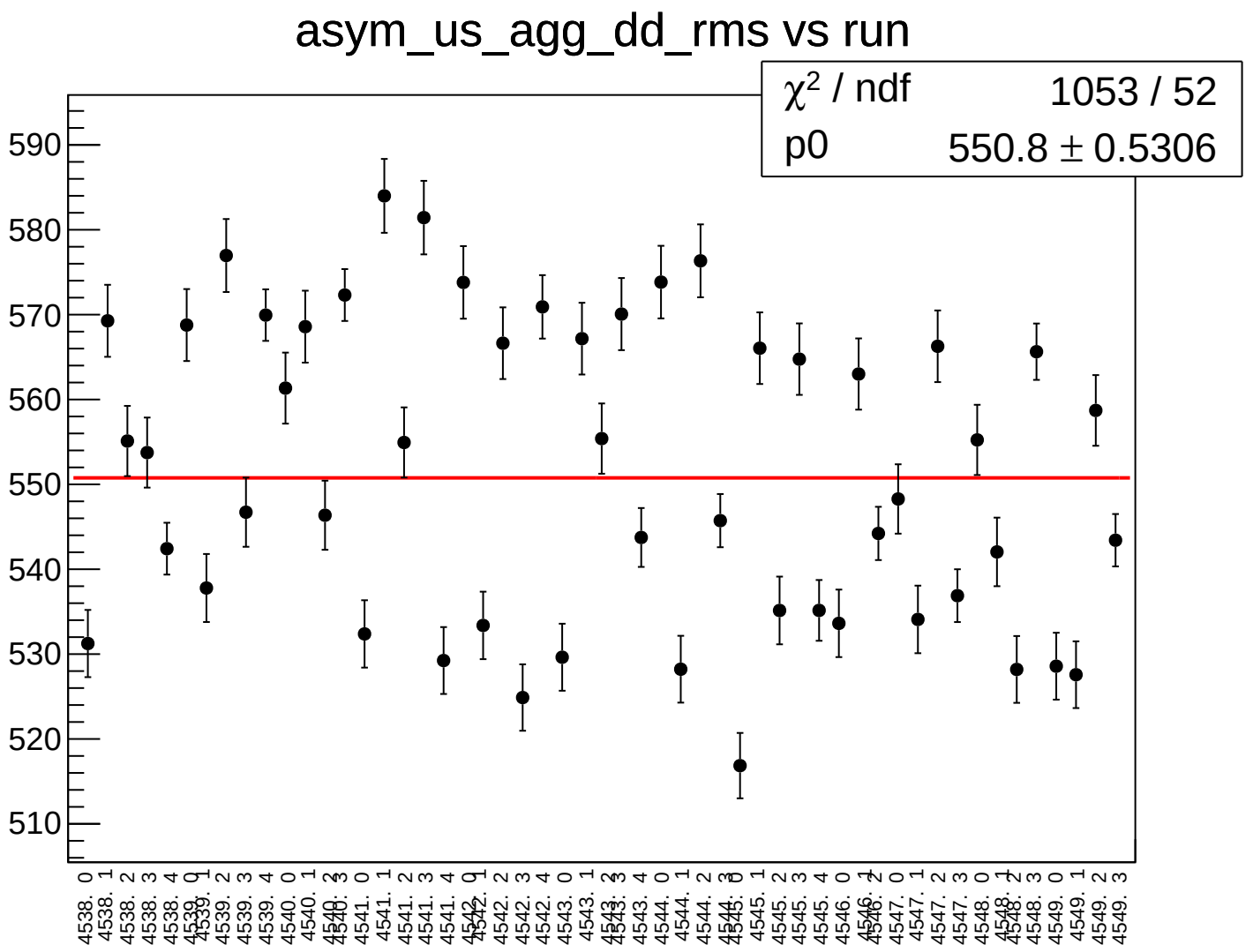

asym_us_agg_avg_mean vs run
χ² / ndf 53.11 / 52
p0 −443 ± 437.8
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −115.3
Std Dev 136.9
3
2
1
0
−1
−2

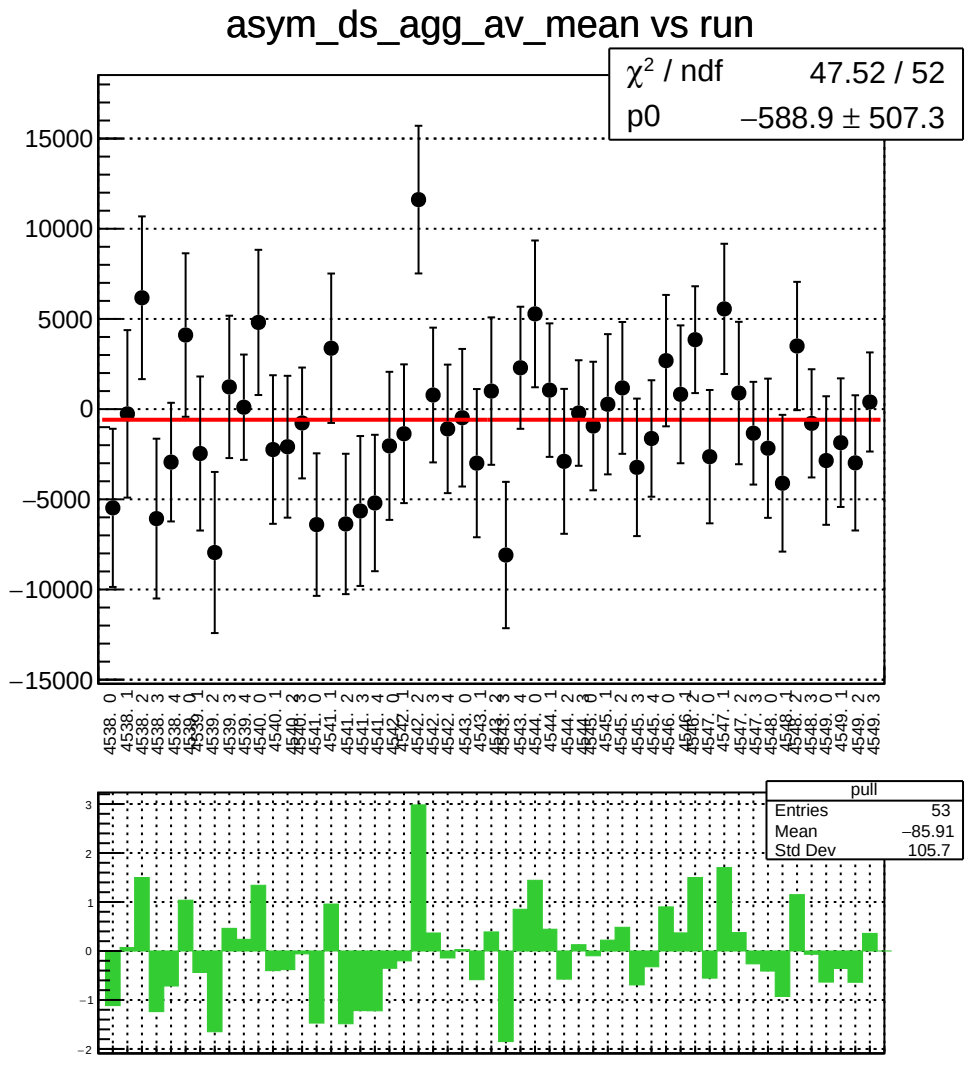

pull1D
Entries 53
Mean −0.01061
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

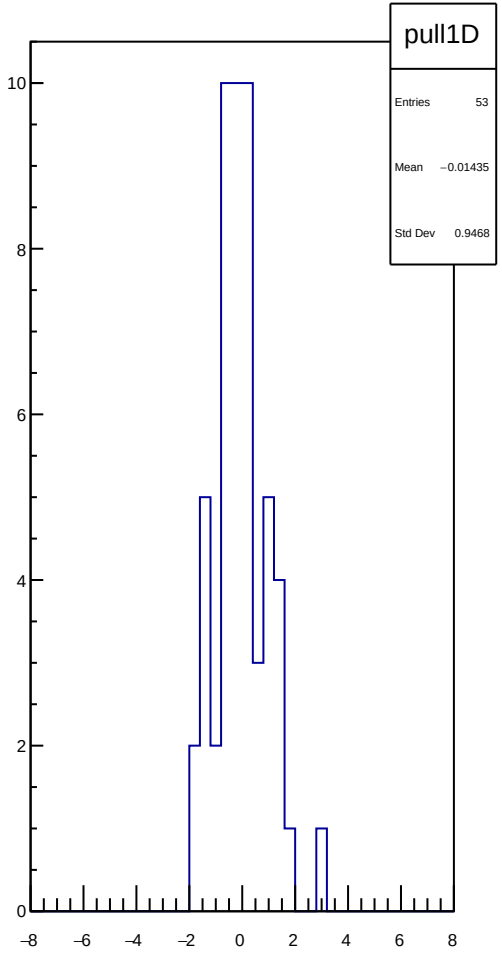

asym_us_agg_avg_rms vs run
χ² / ndf 5454 / 52
p0 320.6 ± 0.3095
380
360
340
320
300
280
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

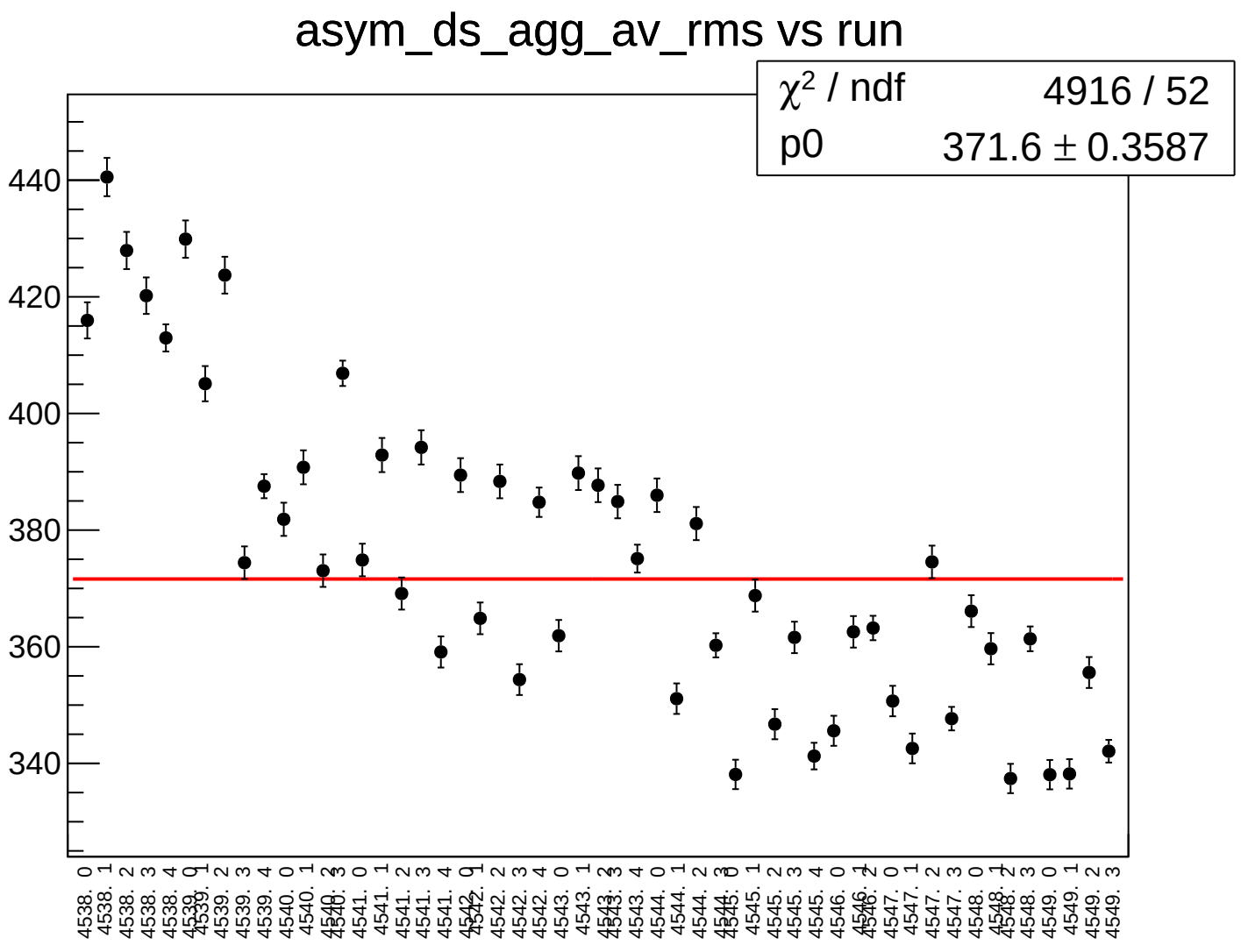

asym_us_agg_dd_mean vs run
χ² / ndf 60.4 / 52
p0 −1455 ± 750.4
pull
Entries 53
Mean −299.7
Std Dev 316

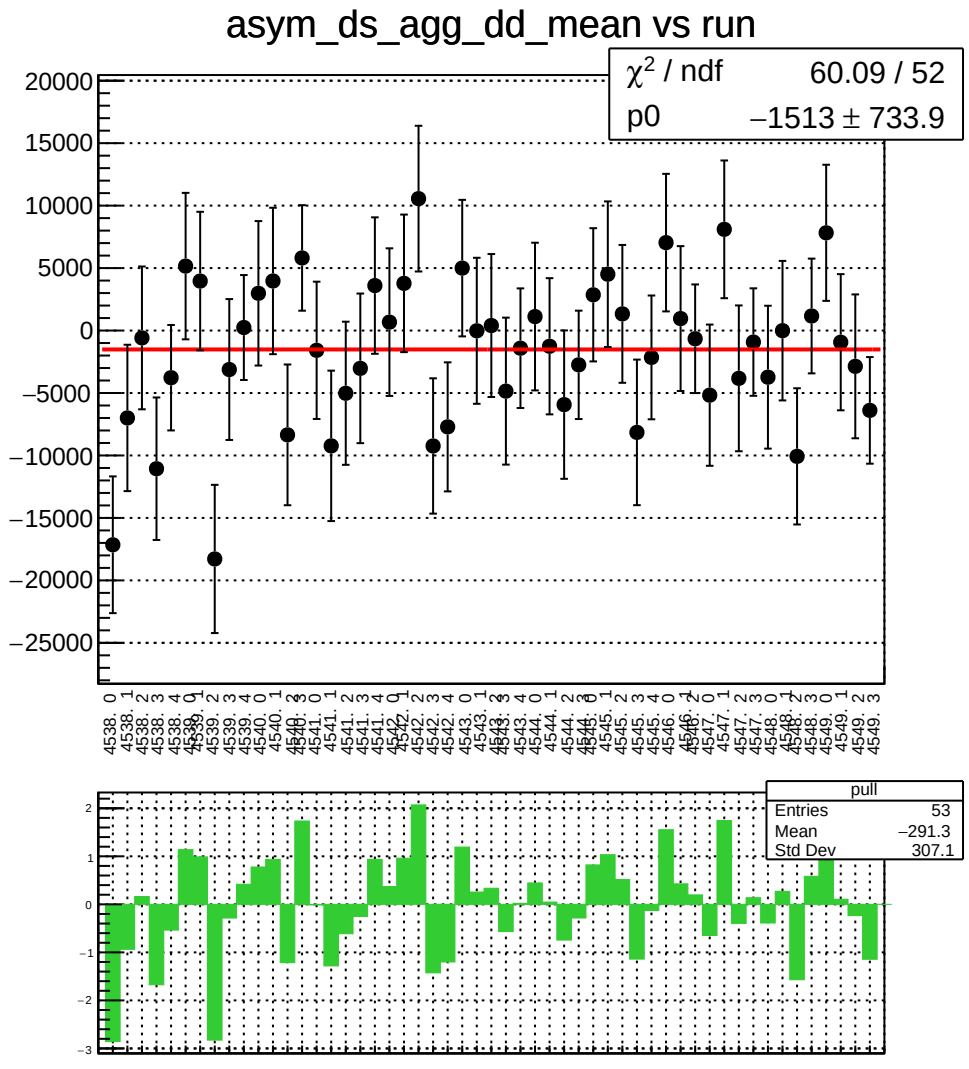

pull1D
Entries 53
Mean −0.008972
Std Dev 1.068

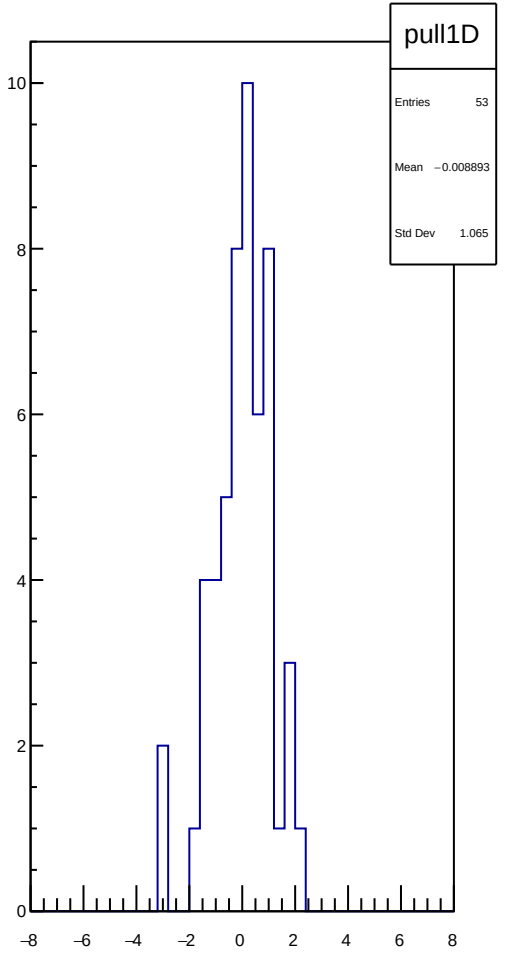

asym_us_agg_dd_rms vs run
χ² / ndf 1053 / 52
p0 550.8 ± 0.5306
590
580
570
560
550
540
530
520
510
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

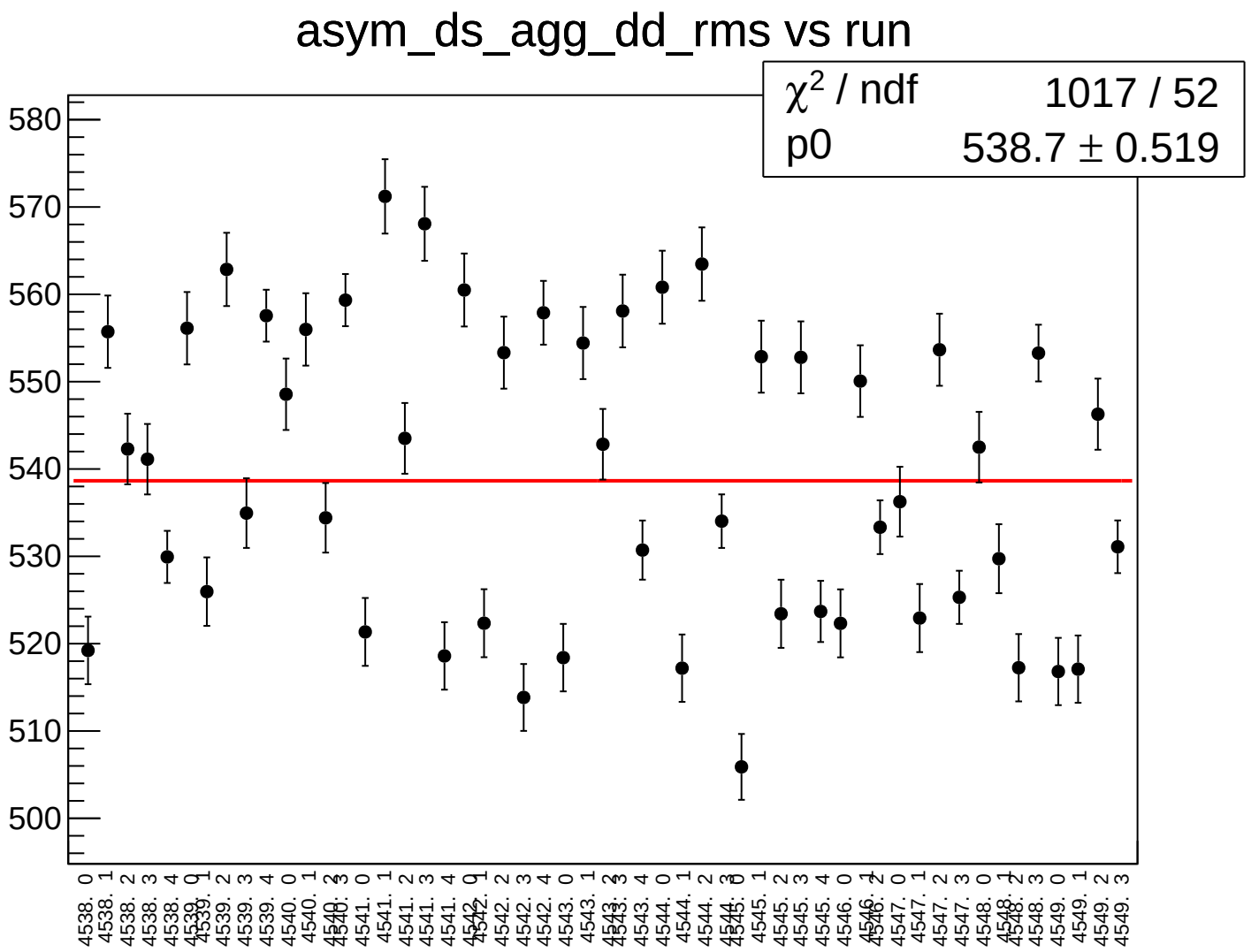

asym_ds_agg_av_mean vs run
χ² / ndf 47.52 / 52
p0 −588.9 ± 507.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −85.91
Std Dev 105.7
3
2
1
0
−1
−2

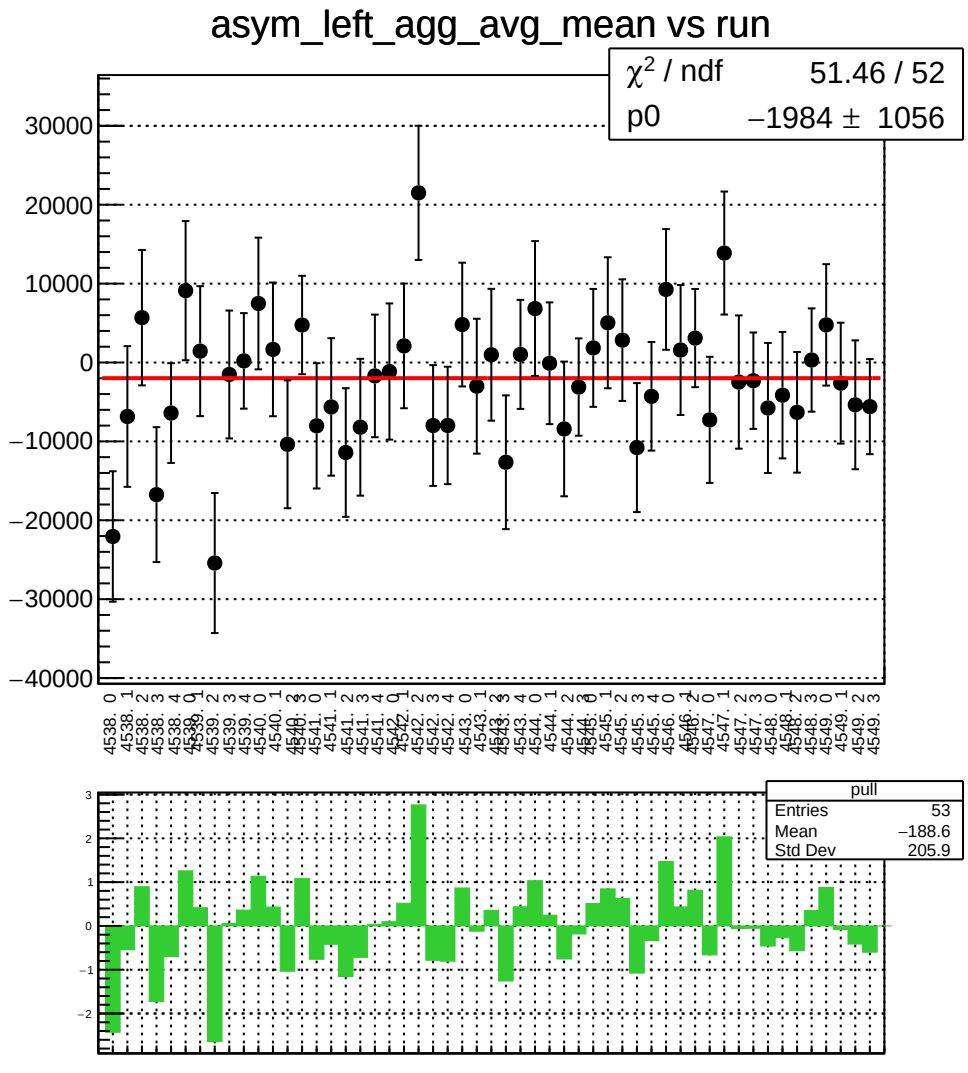

pull1D
Entries 53
Mean −0.01435
Std Dev 0.9468
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

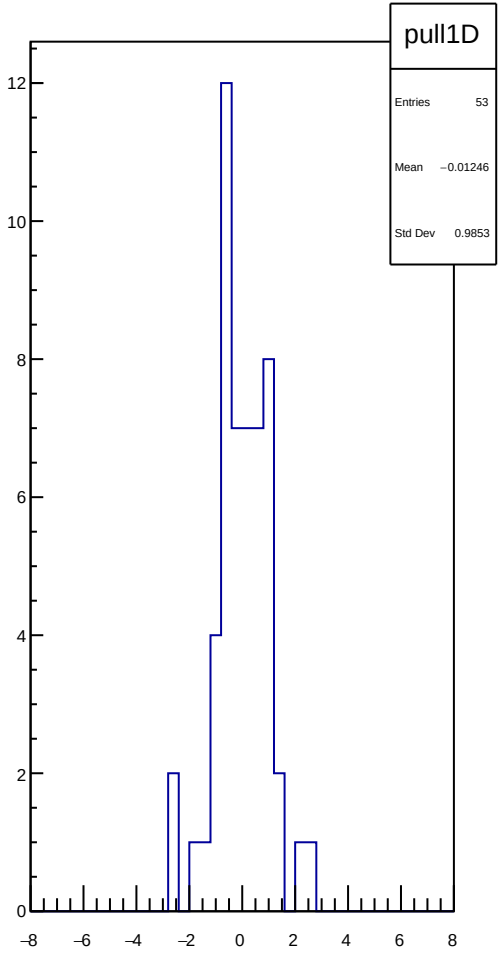

asym_ds_agg_av_rms vs run
χ^2 / ndf 4916 / 52
p0 371.6 ± 0.3587
440
420
400
380
360
340
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

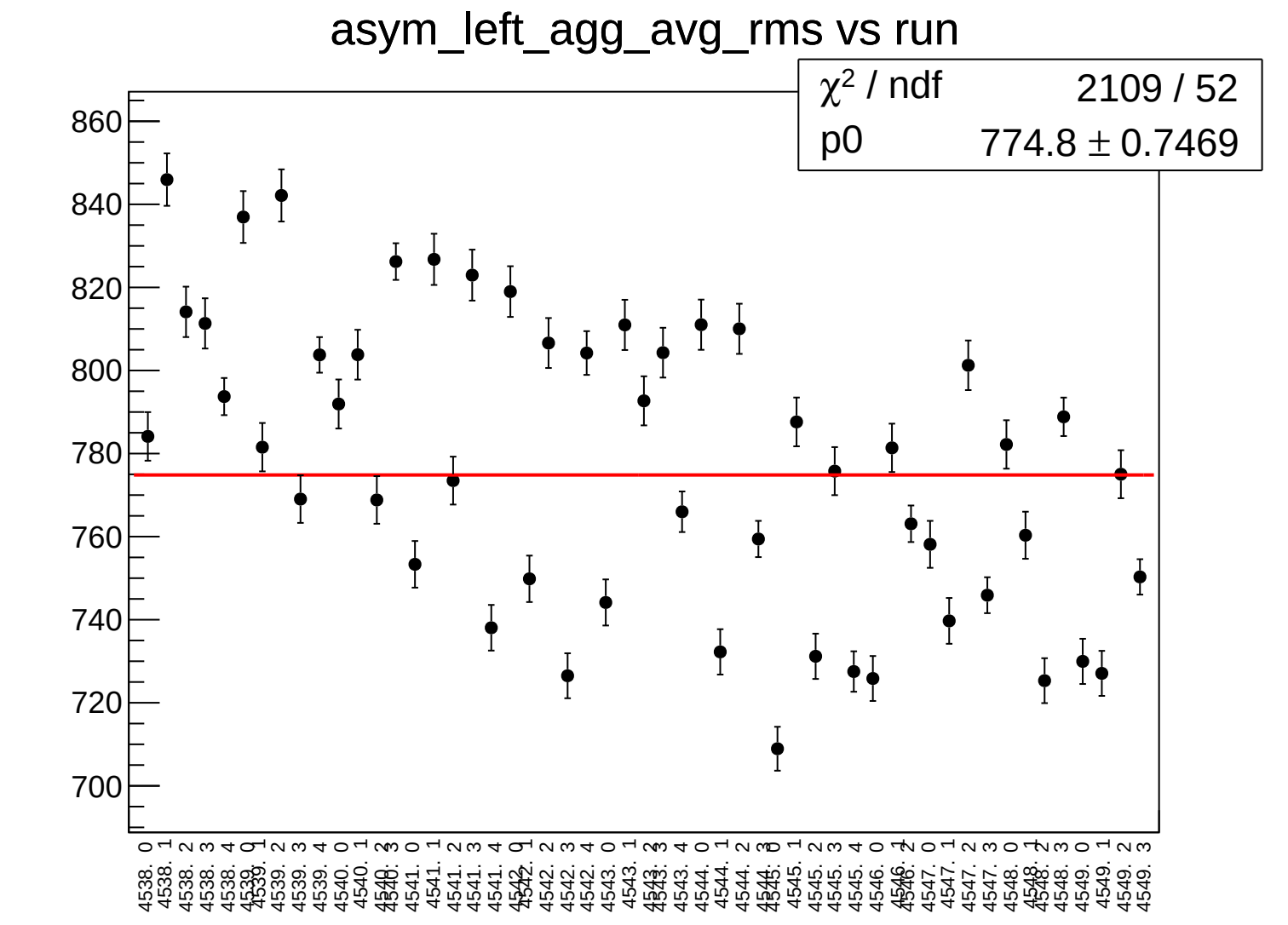

asym_ds_agg_dd_mean vs run
χ² / ndf 60.09 / 52
p0 −1513 ± 733.9
pull
Entries 53
Mean −291.3
Std Dev 307.1

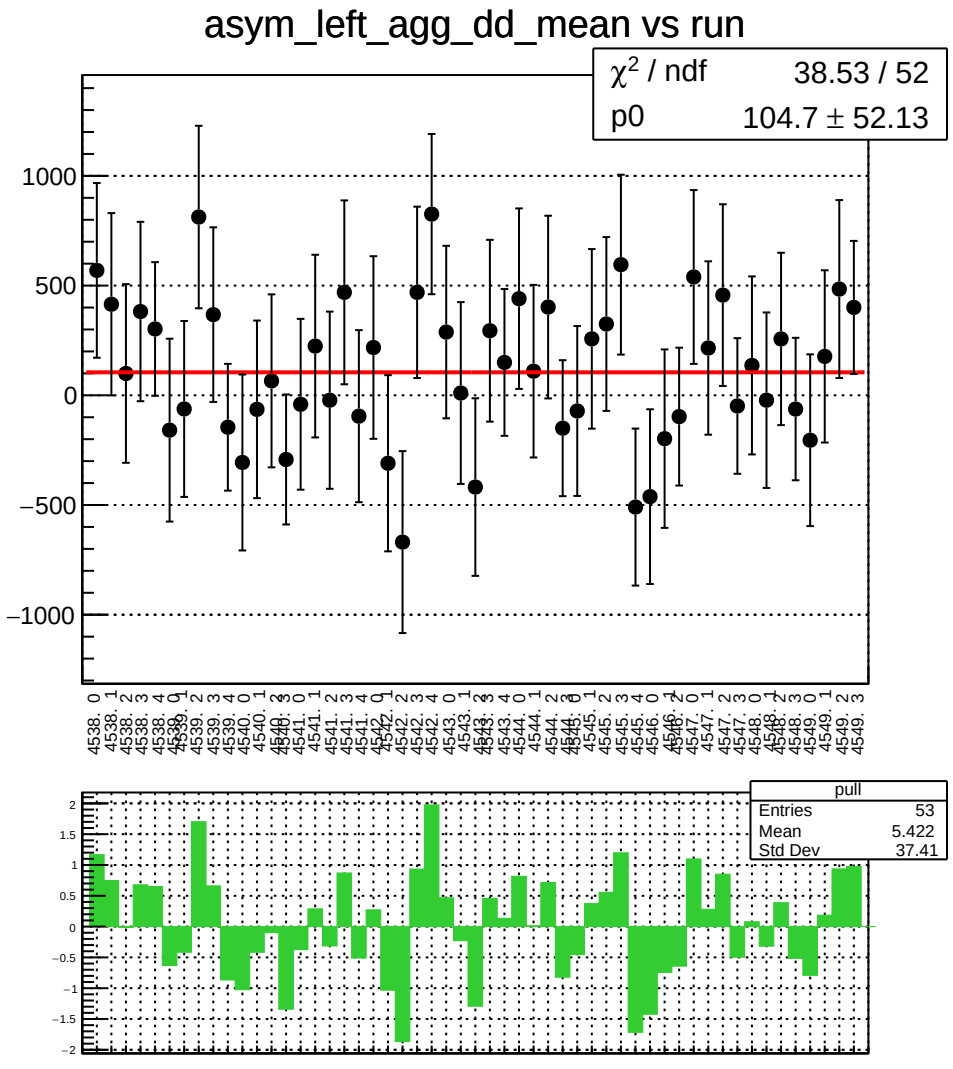

pull1D
Entries 53
Mean −0.008893
Std Dev 1.065

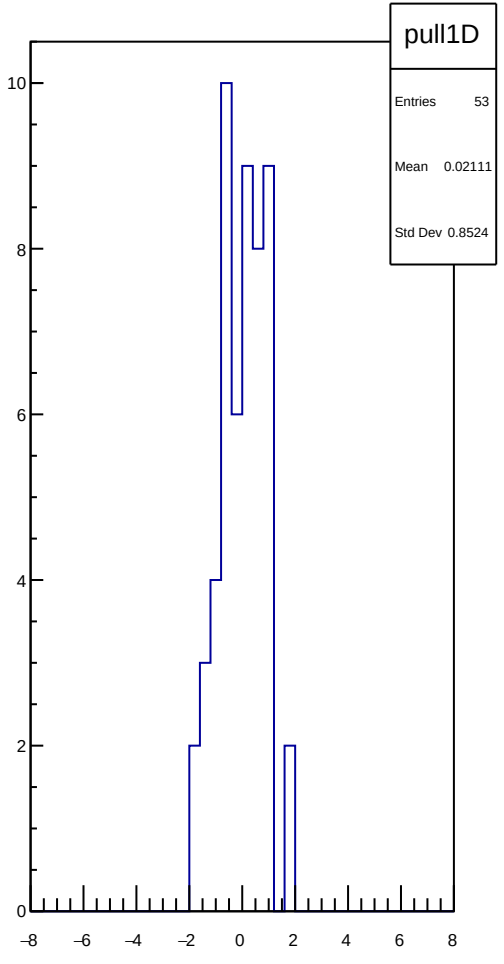

asym_ds_agg_dd_rms vs run
χ² / ndf 1017 / 52
p0 538.7 ± 0.519
580
570
560
550
540
530
520
510
500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

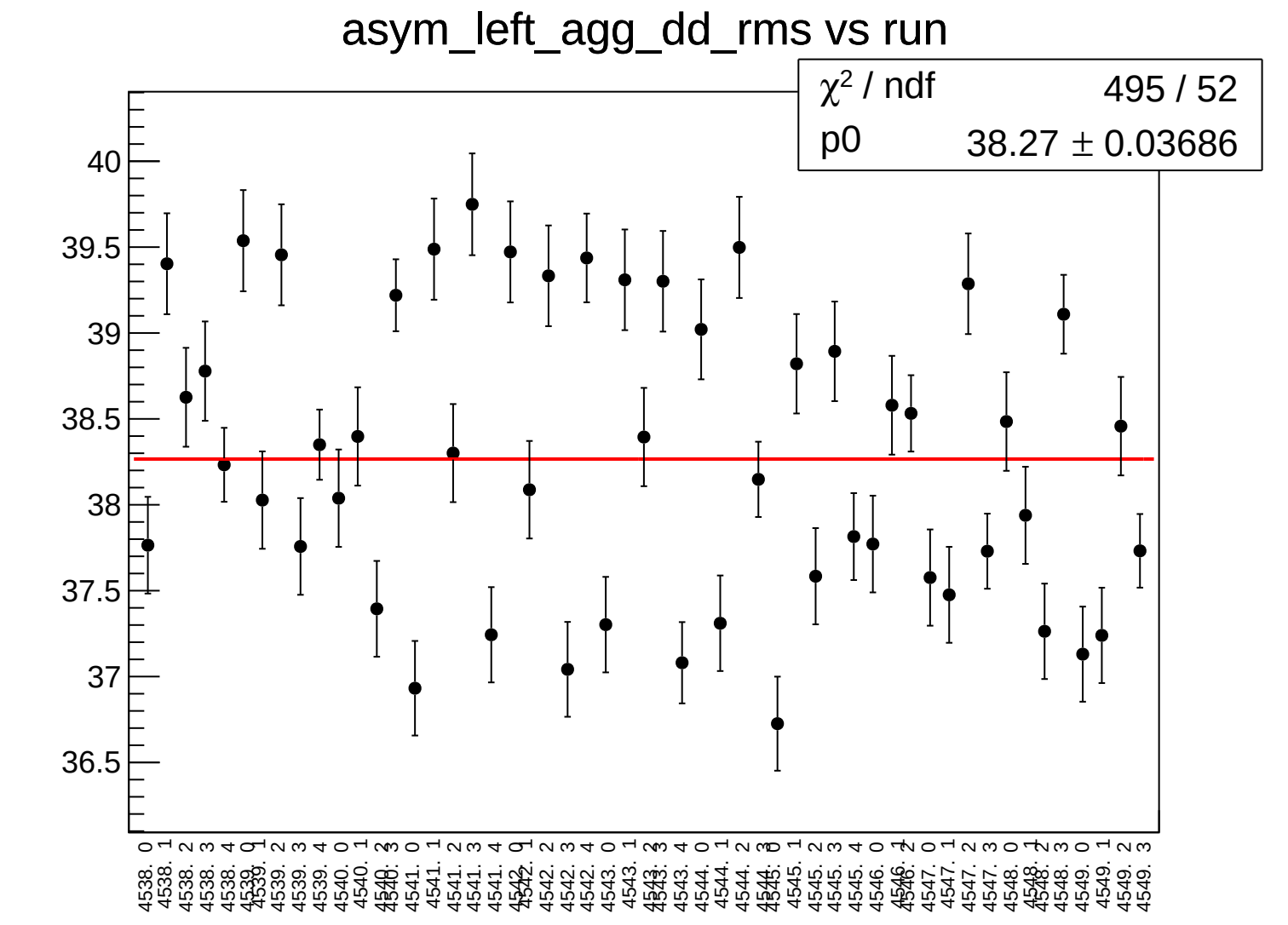

asym_left_agg_avg_mean vs run
χ² / ndf 51.46 / 52
p0 −1984 ± 1056
pull
Entries 53
Mean −188.6
Std Dev 205.9

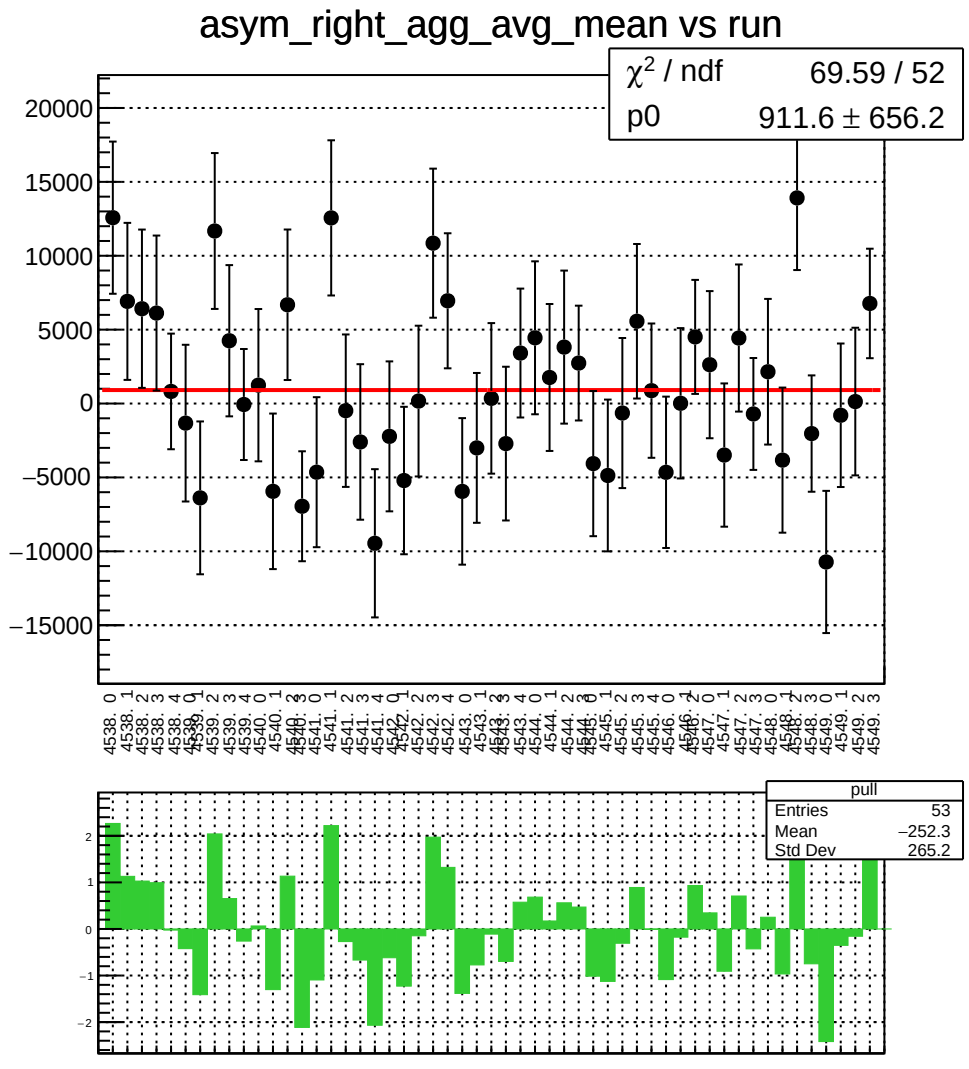

pull1D
Entries 53
Mean −0.01246
Std Dev 0.9853

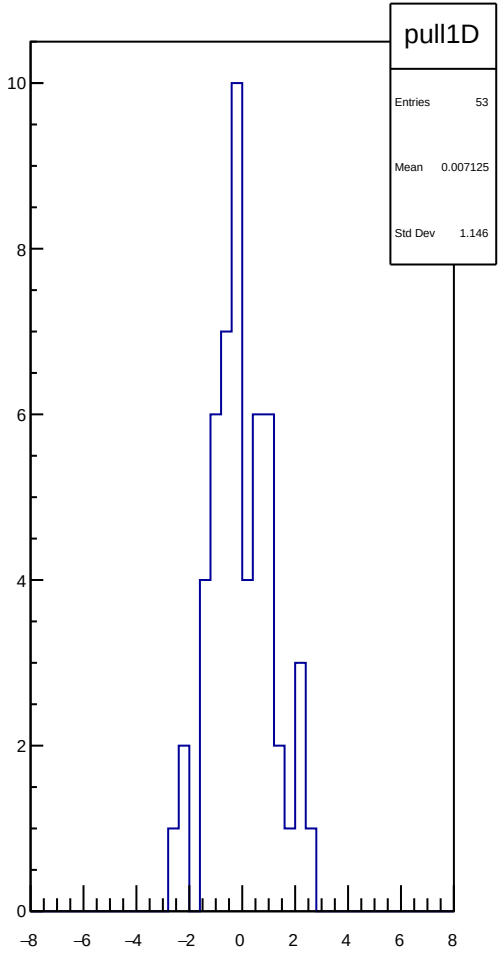

asym_left_agg_avg_rms vs run
χ² / ndf 2109 / 52
p0 774.8 ± 0.7469
860
840
820
800
780
760
740
720
700
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

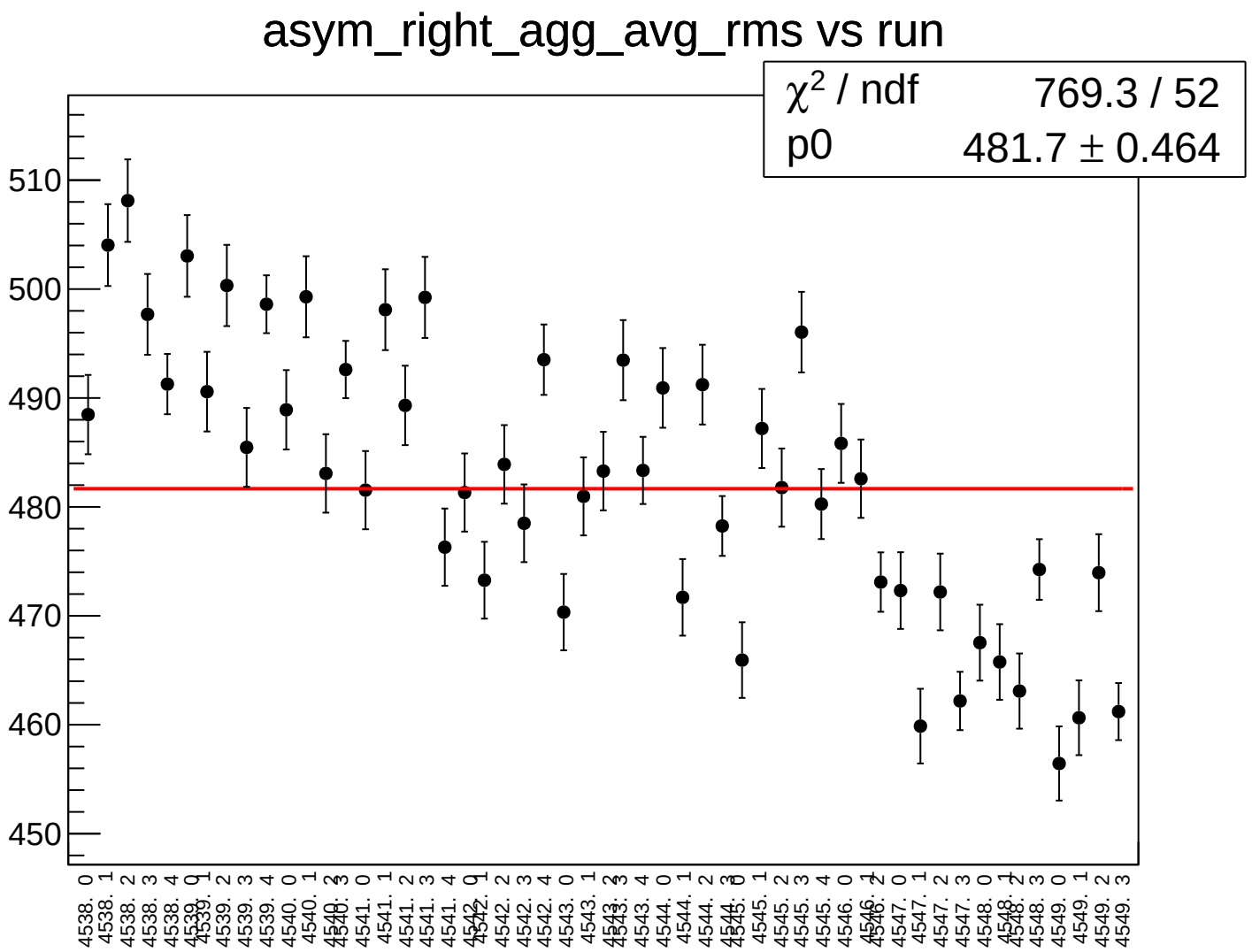

asym_left_agg_dd_mean vs run
χ² / ndf 38.53 / 52
p0 104.7 ± 52.13
1000
500
0
−500
−1000
pull
Entries 53
Mean 5.422
Std Dev 37.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

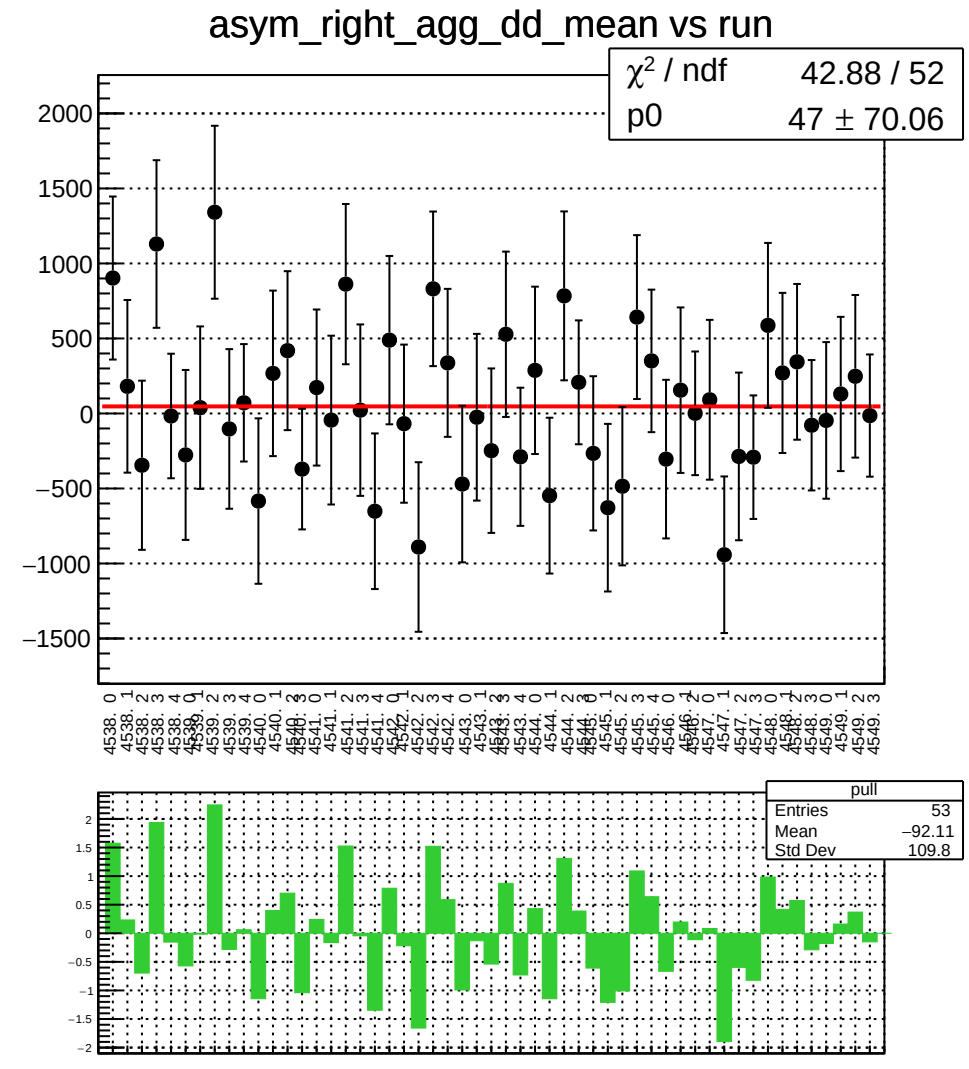

pull1D
Entries 53
Mean 0.02111
Std Dev 0.8524
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

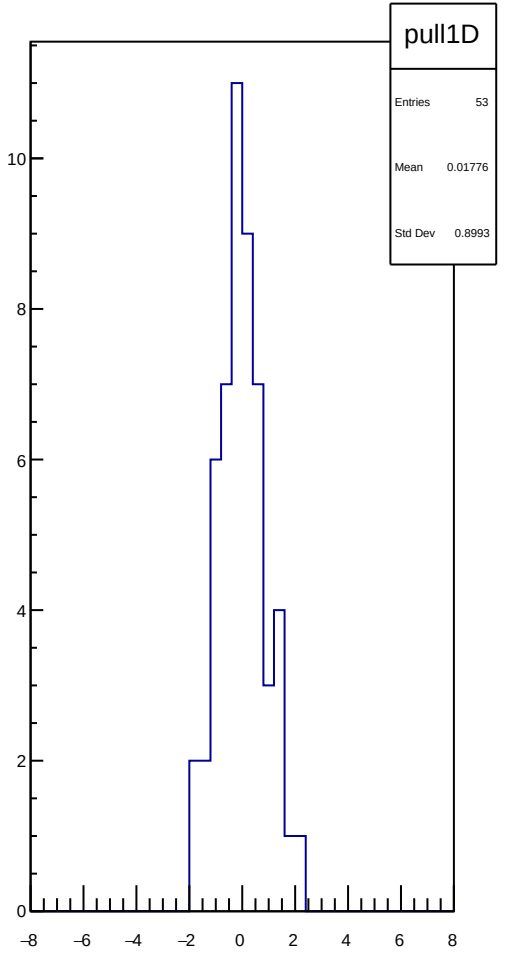

asym_left_agg_dd_rms vs run
χ² / ndf 495 / 52
p0 38.27 ± 0.03686
40
39.5
39
38.5
38
37.5
37
36.5
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

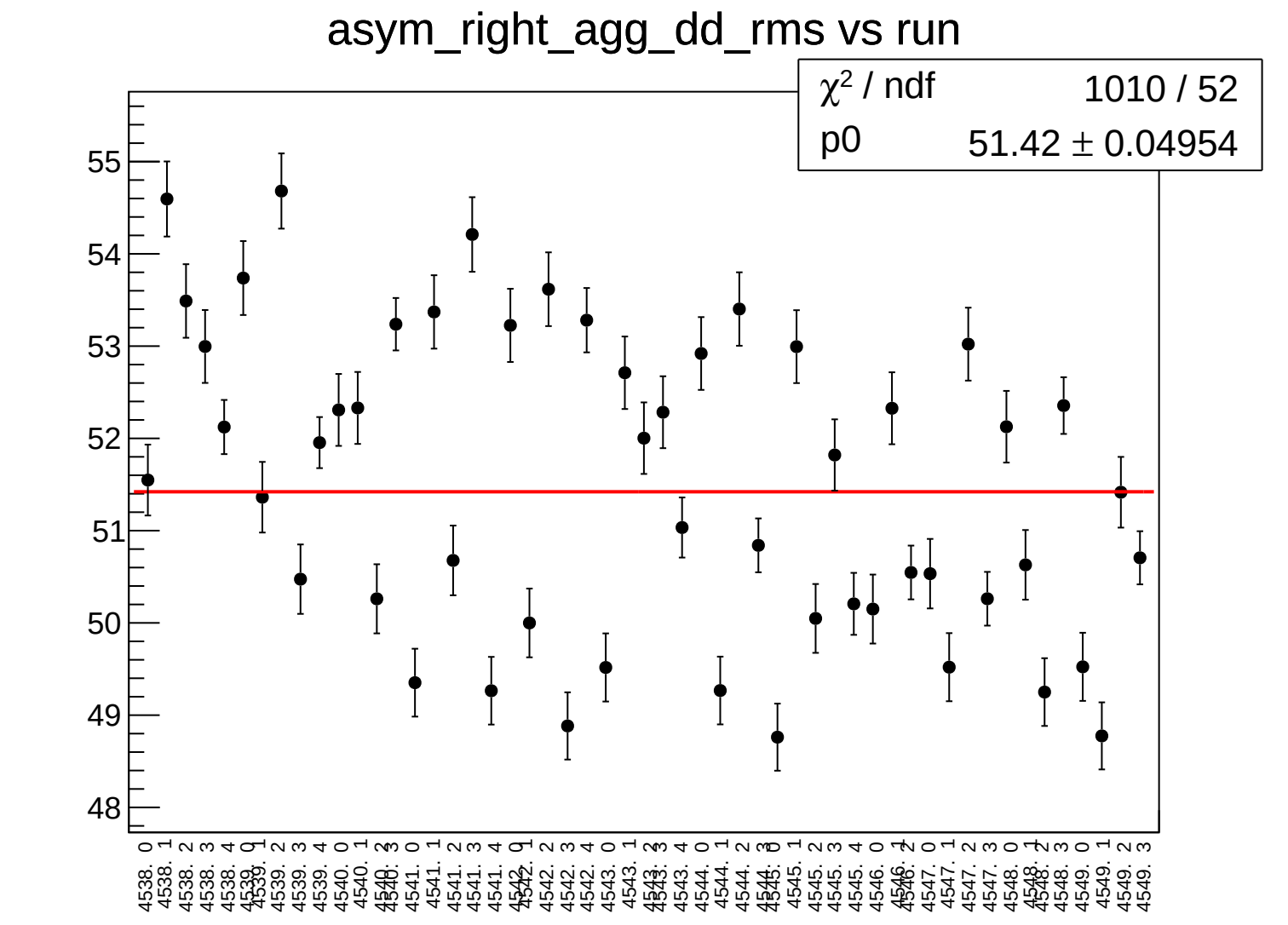

asym_right_agg_avg_mean vs run
χ² / ndf 69.59 / 52
p0 911.6 ± 656.2
pull
Entries 53
Mean −252.3
Std Dev 265.2

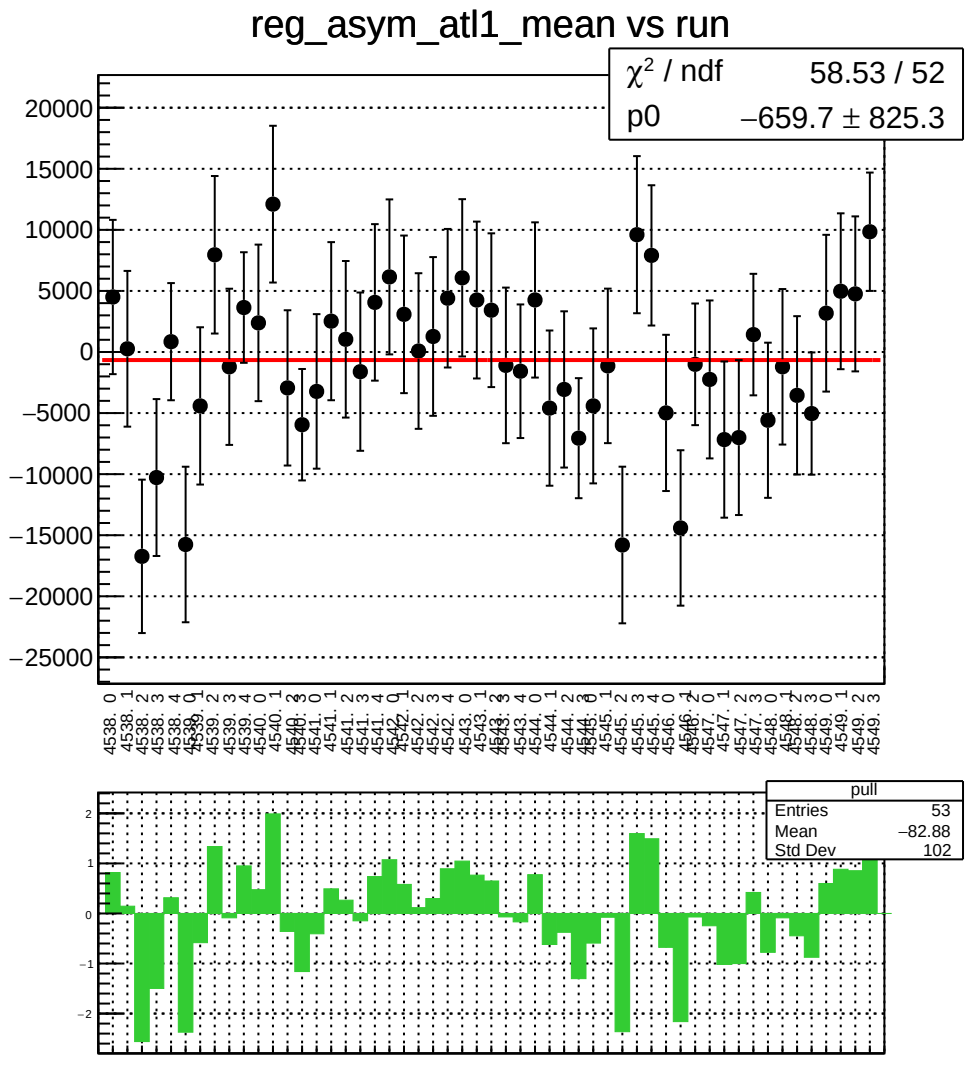

pull1D
Entries 53
Mean 0.007125
Std Dev 1.146

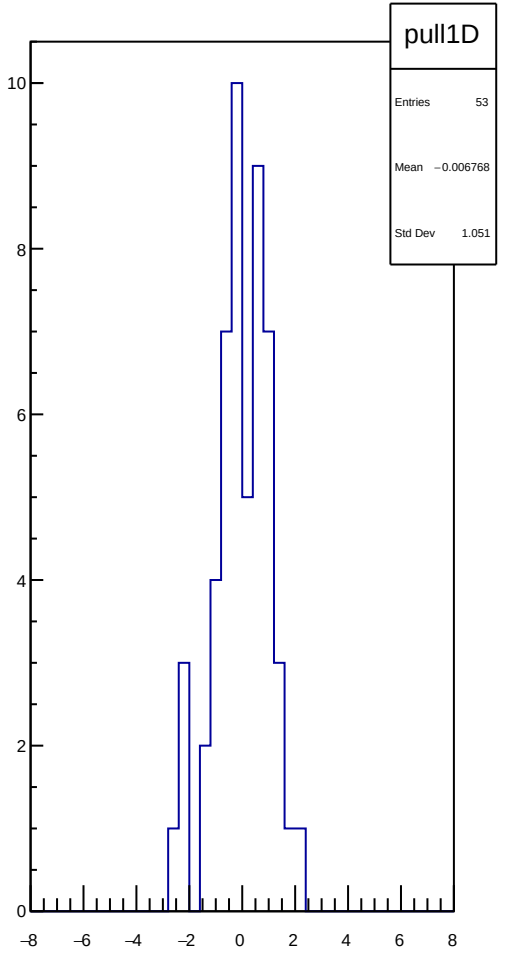

asym_right_agg_avg_rms vs run
χ² / ndf 769.3 / 52
p0 481.7 ± 0.464
510
500
490
480
470
460
450
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

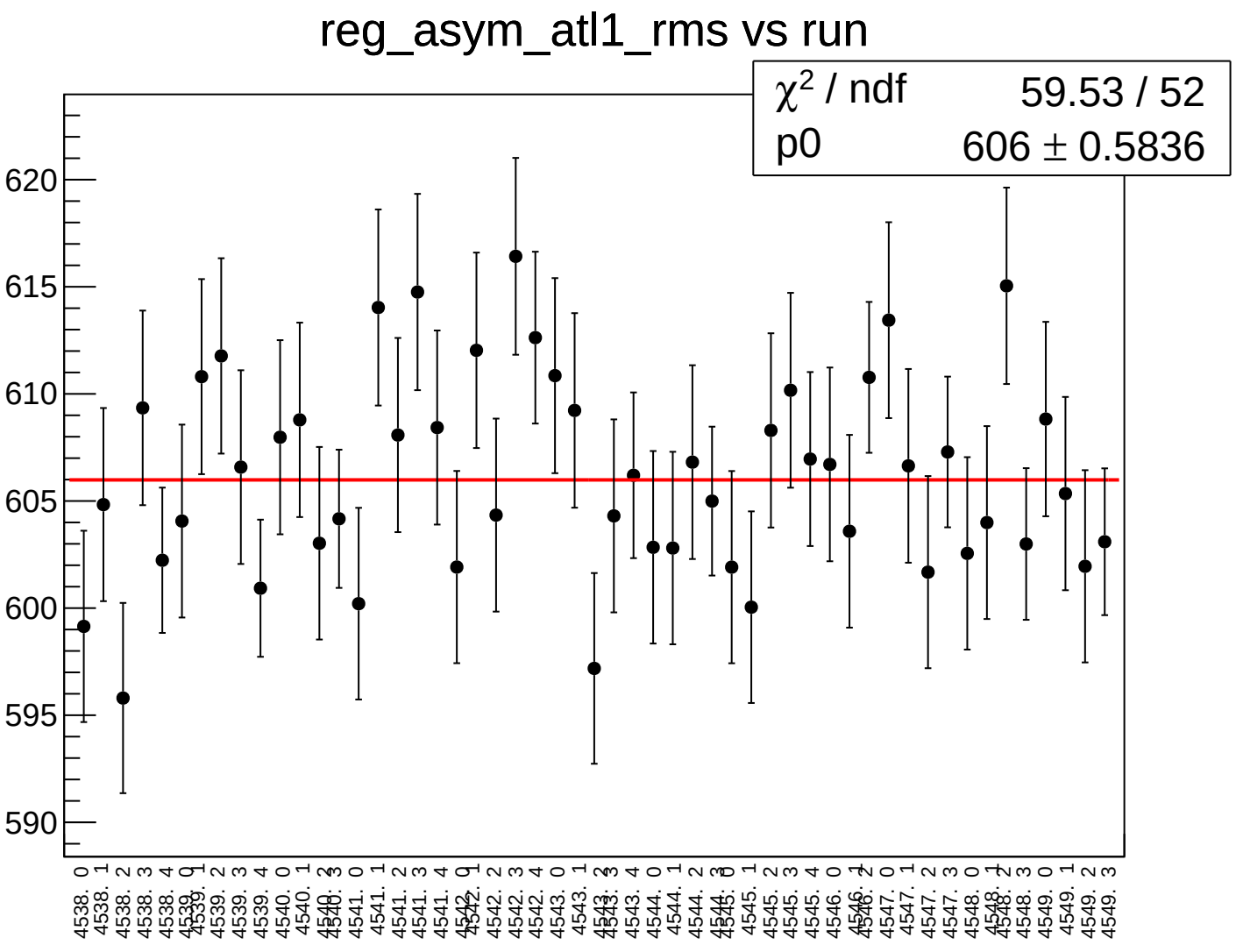

asym_right_agg_dd_mean vs run
χ² / ndf 42.88 / 52
p0 47 ± 70.06
pull
Entries 53
Mean −92.11
Std Dev 109.8


pull1D
Entries 53
Mean 0.01776
Std Dev 0.8993

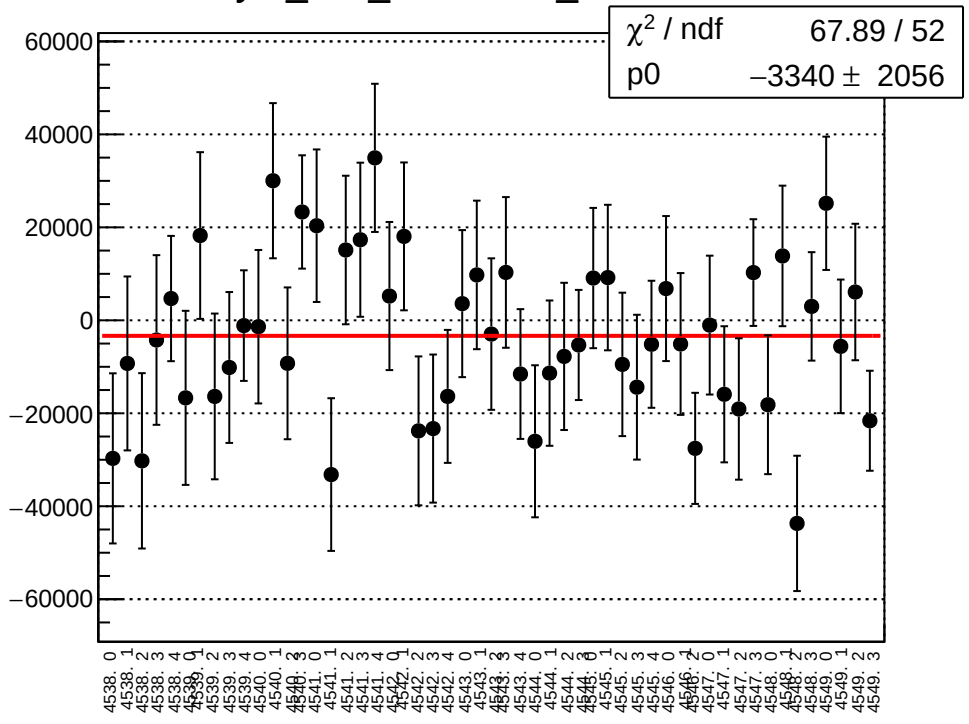

asym_right_agg_dd_rms vs run
χ² / ndf 1010 / 52
p0 51.42 ± 0.04954
55
54
53
52
51
50
49
48
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

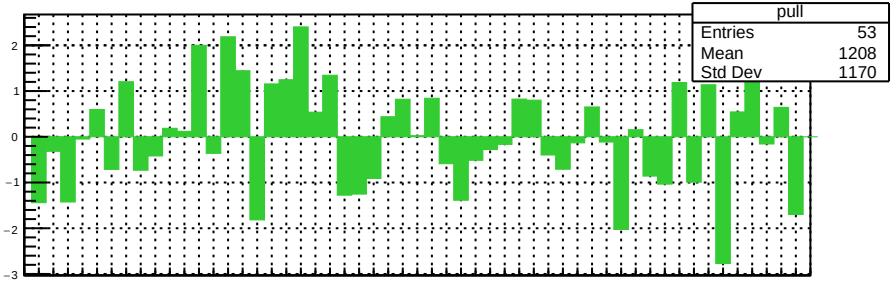

reg_asym_atl1_mean vs run
χ² / ndf 58.53 / 52
p0 −659.7 ± 825.3
pull
Entries 53
Mean −82.88
Std Dev 102

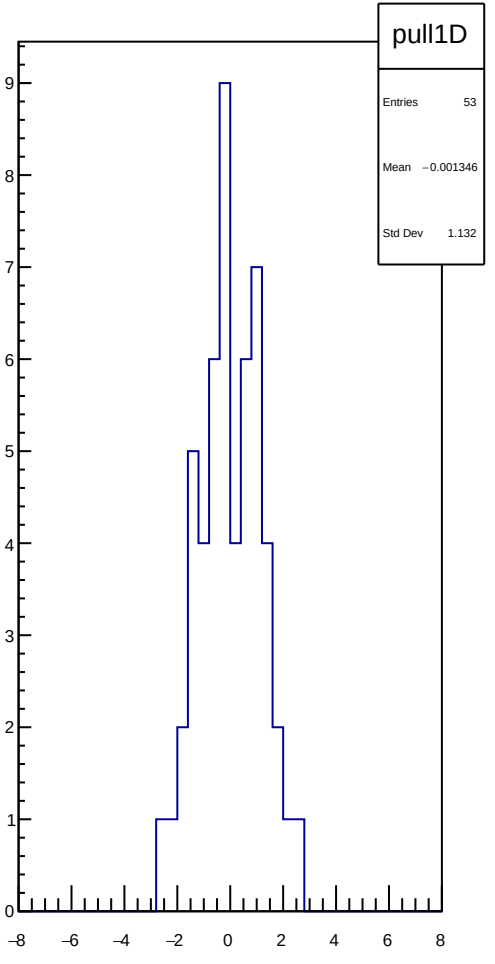

pull1D
Entries 53
Mean −0.006768
Std Dev 1.051

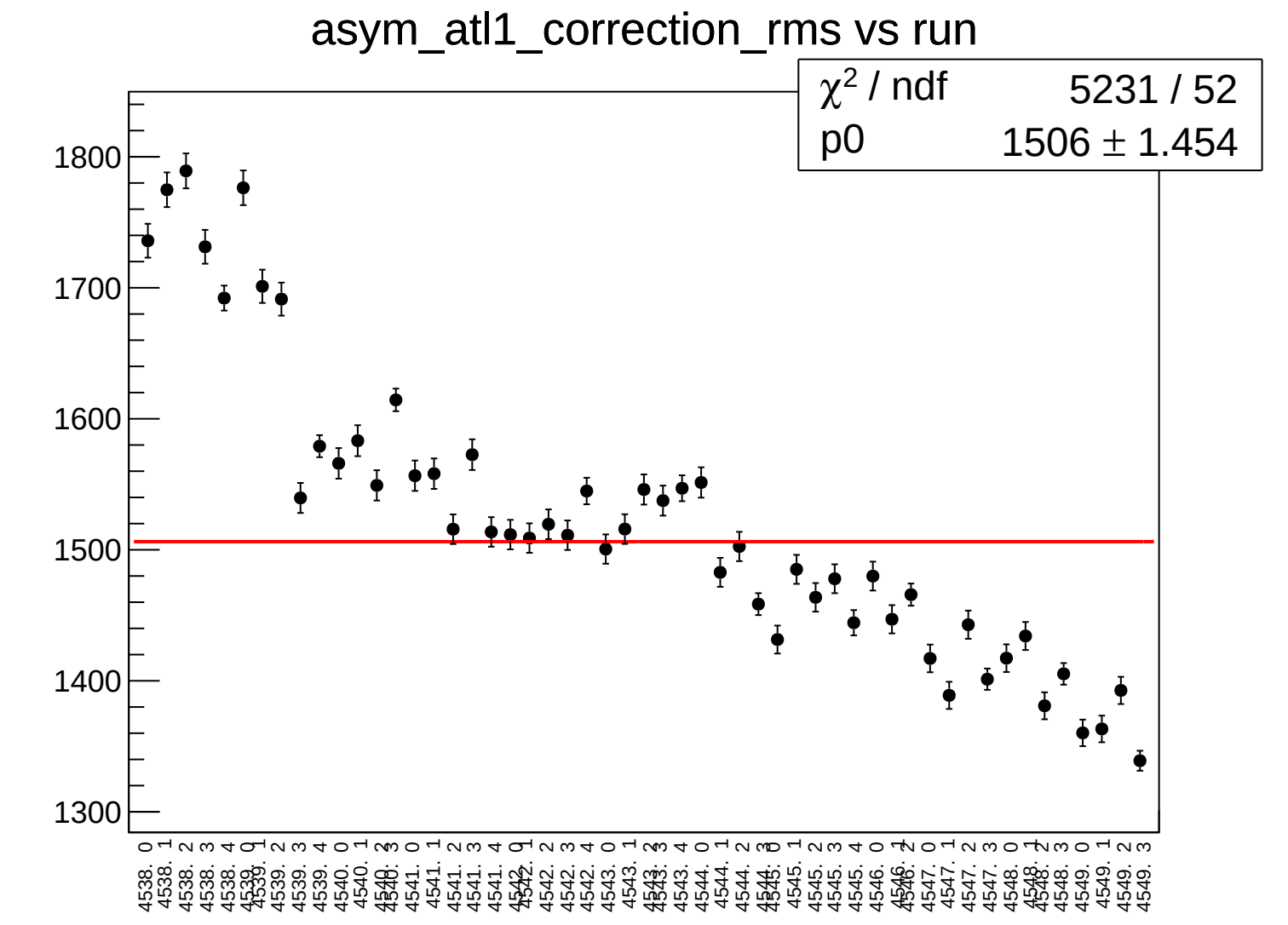

reg_asym_atl1_rms vs run
χ² / ndf 59.53 / 52
p0 606 ± 0.5836
620
615
610
605
600
595
590
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

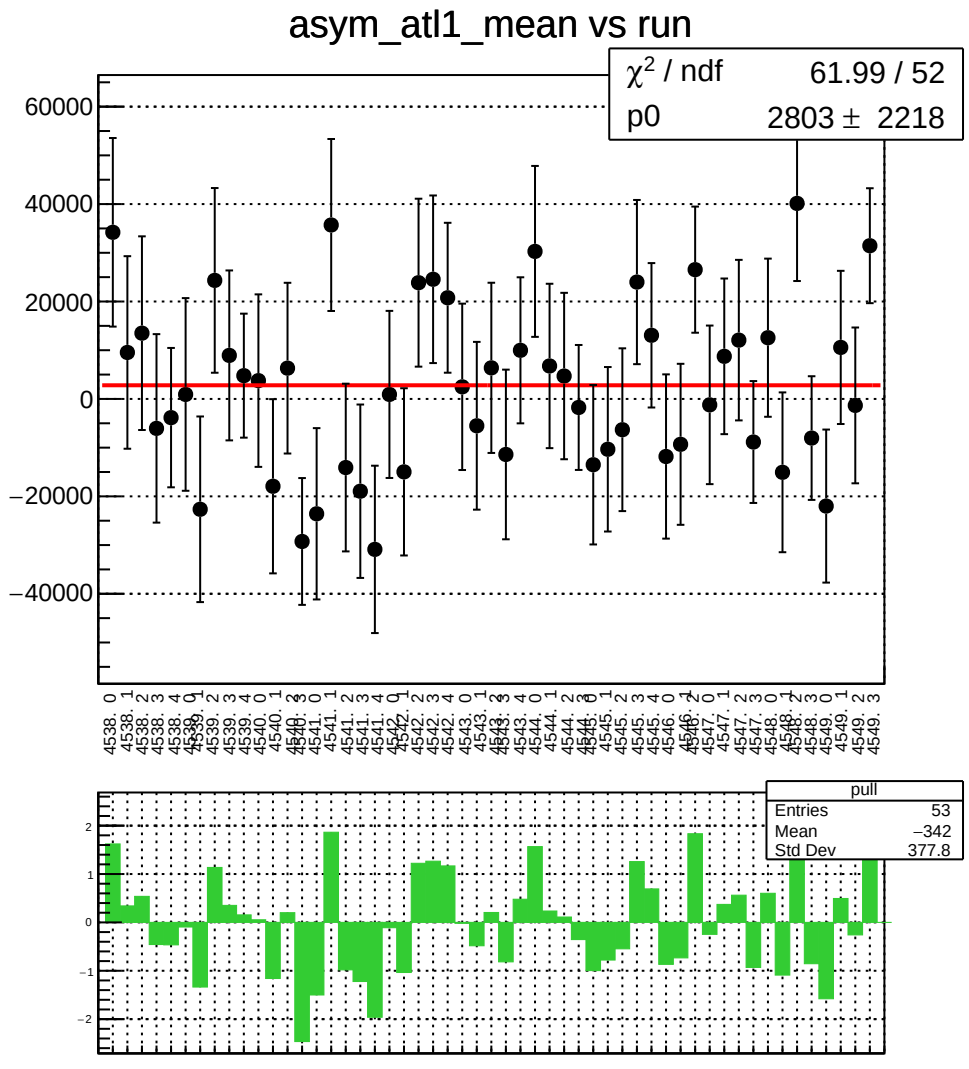
asym_atl1_correction_mean vs run

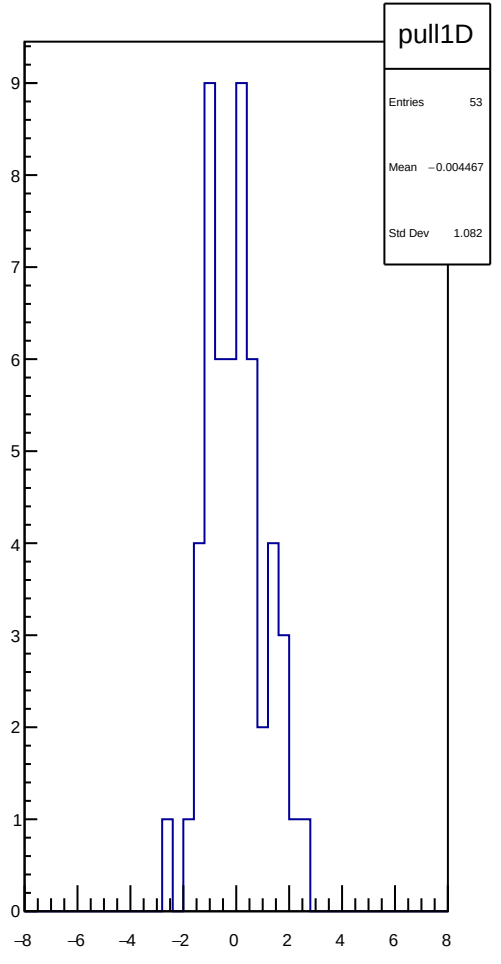


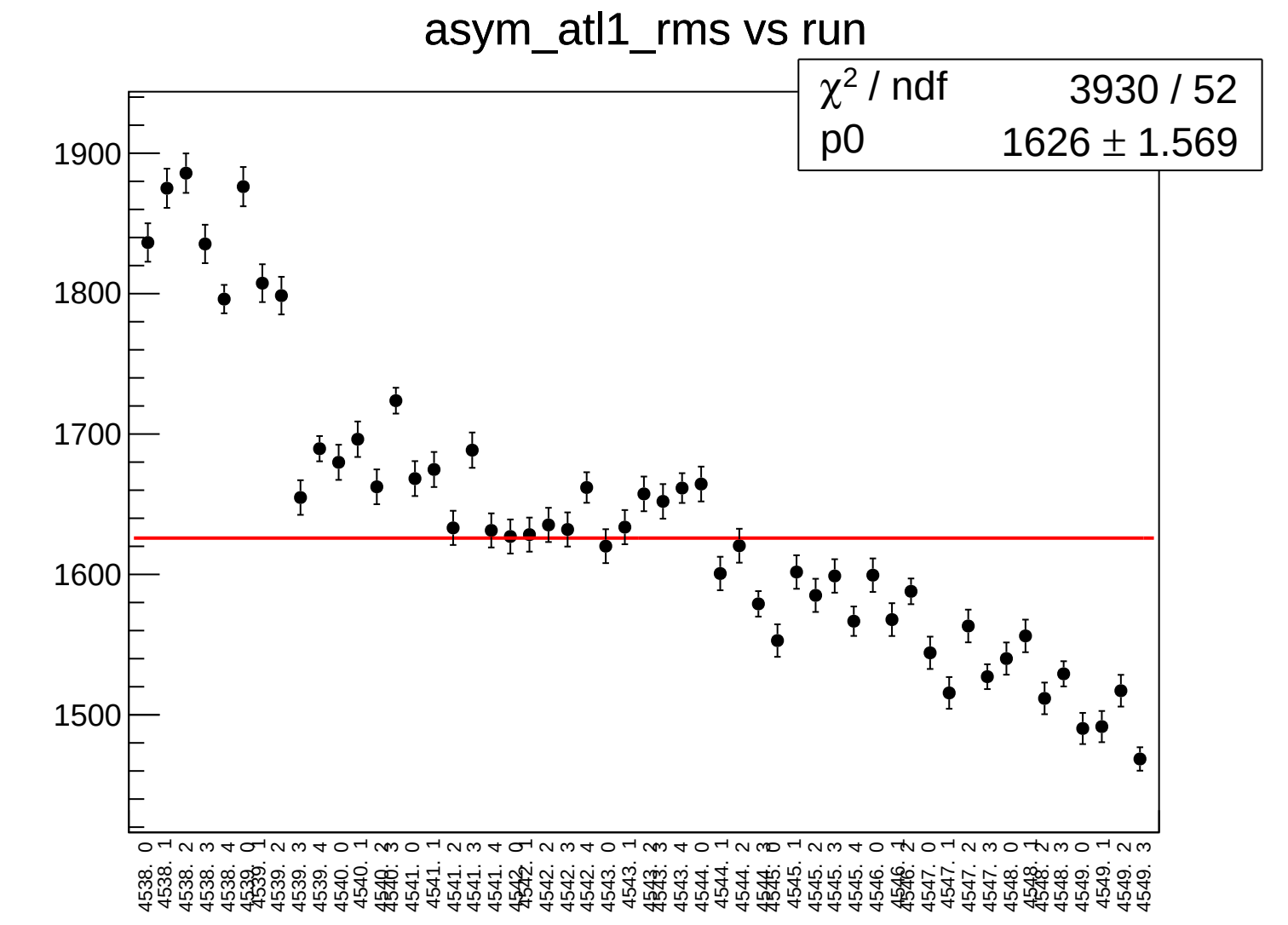


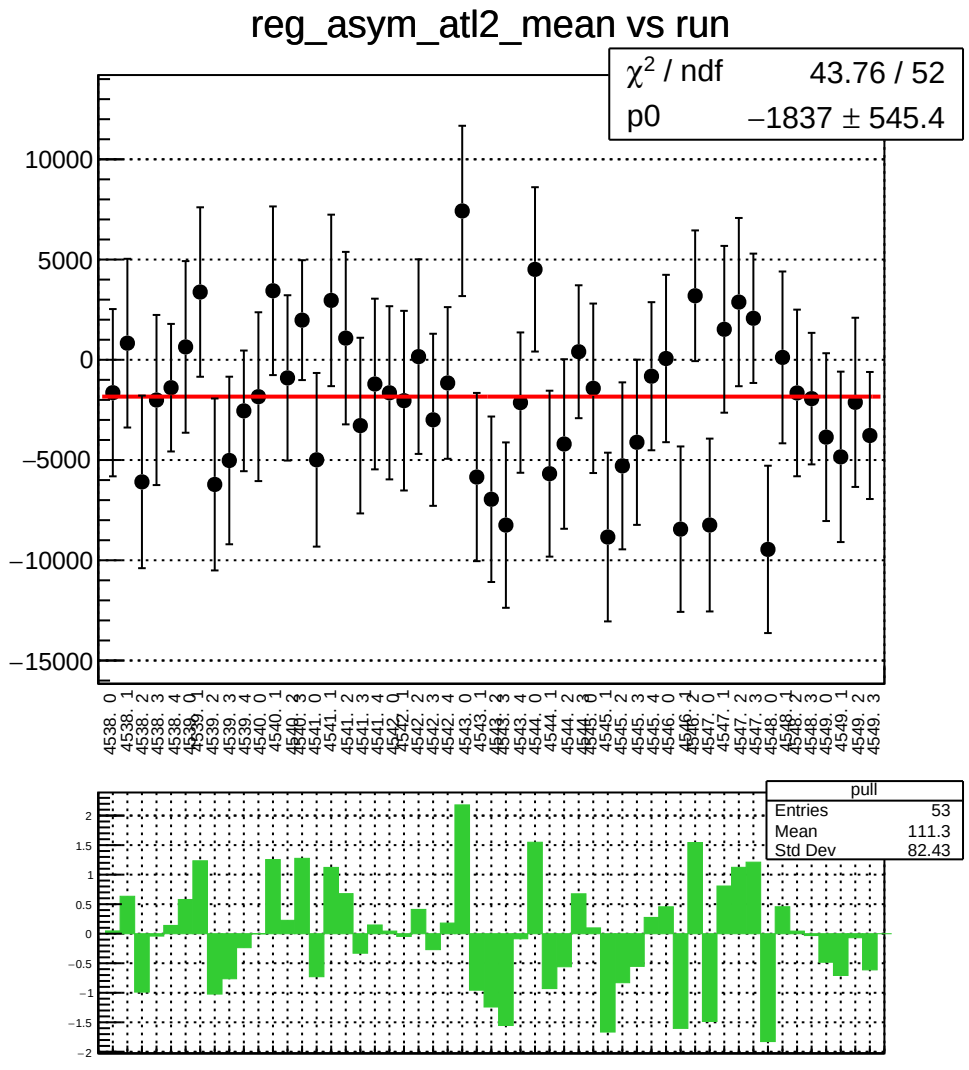


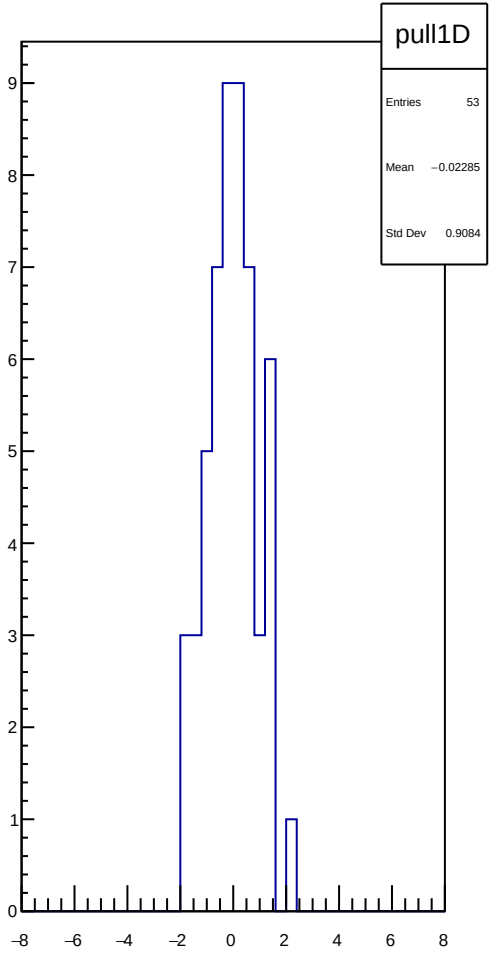

asym_atl1_correction_rms vs run
χ² / ndf 5231 / 52
p0 1506 ± 1.454
1800
1700
1600
1500
1400
1300
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

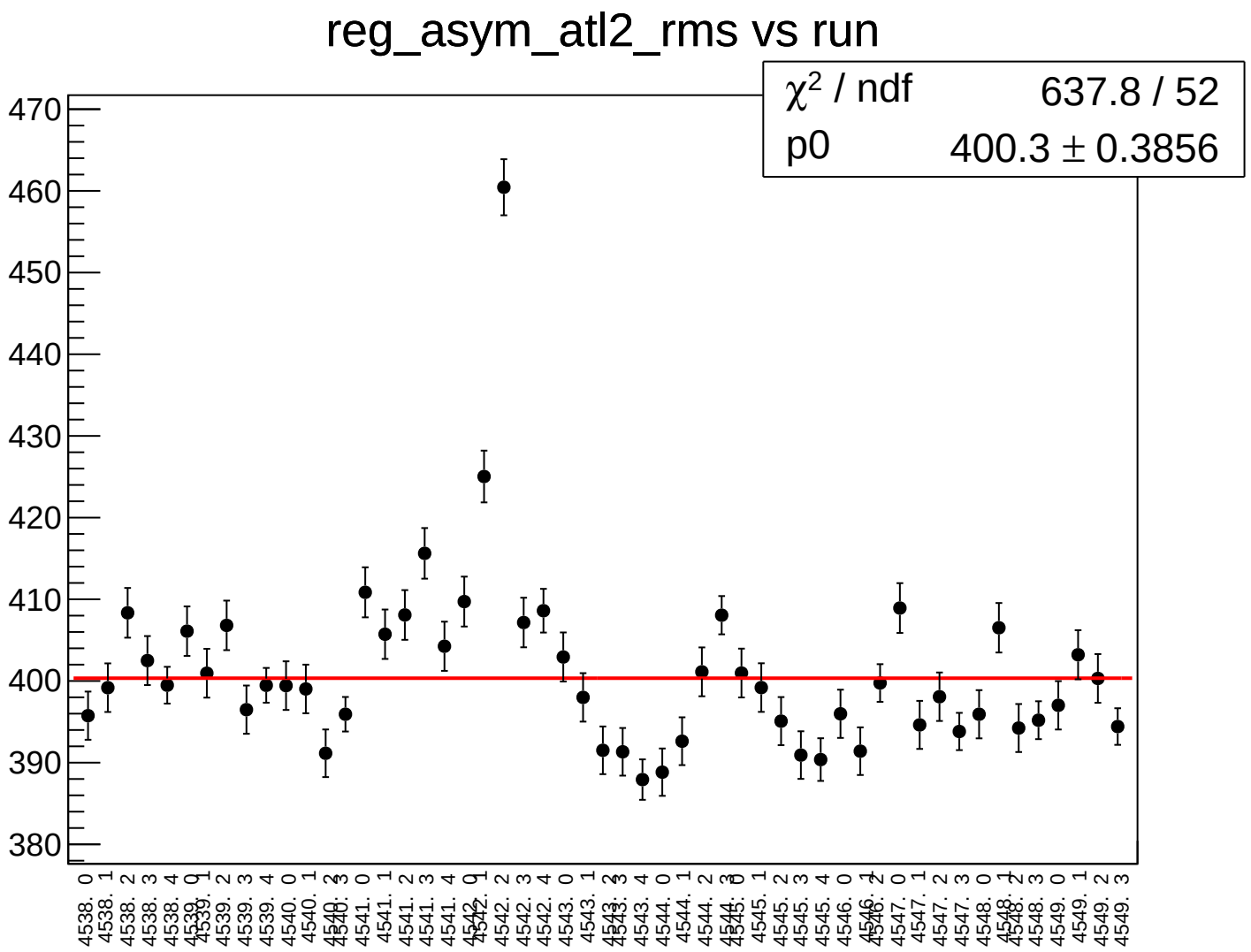

asym_atl1_mean vs run
χ² / ndf 61.99 / 52
p0 2803 ± 2218
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −342
Std Dev 377.8
2
1
0
−1
−2

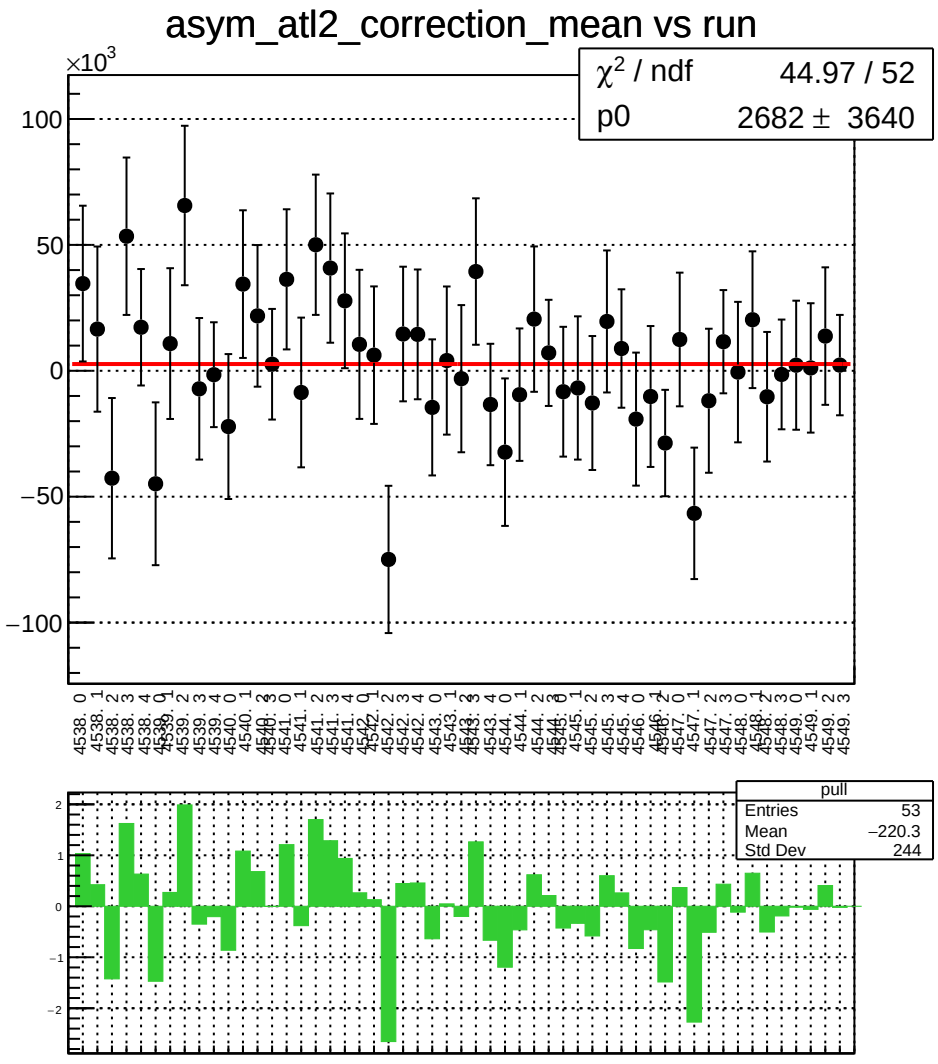

pull1D
Entries 53
Mean −0.004467
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

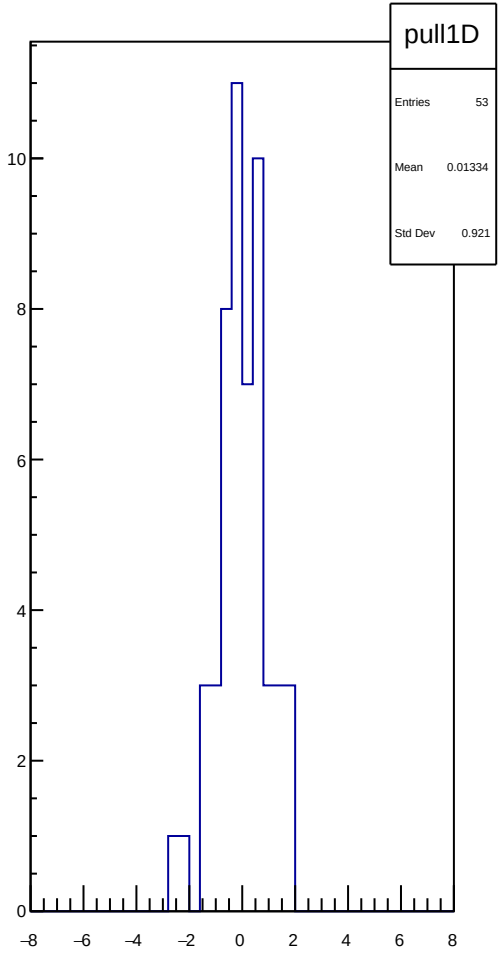

asym_atl1_rms vs run
χ² / ndf 3930 / 52
p0 1626 ± 1.569
1900
1800
1700
1600
1500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

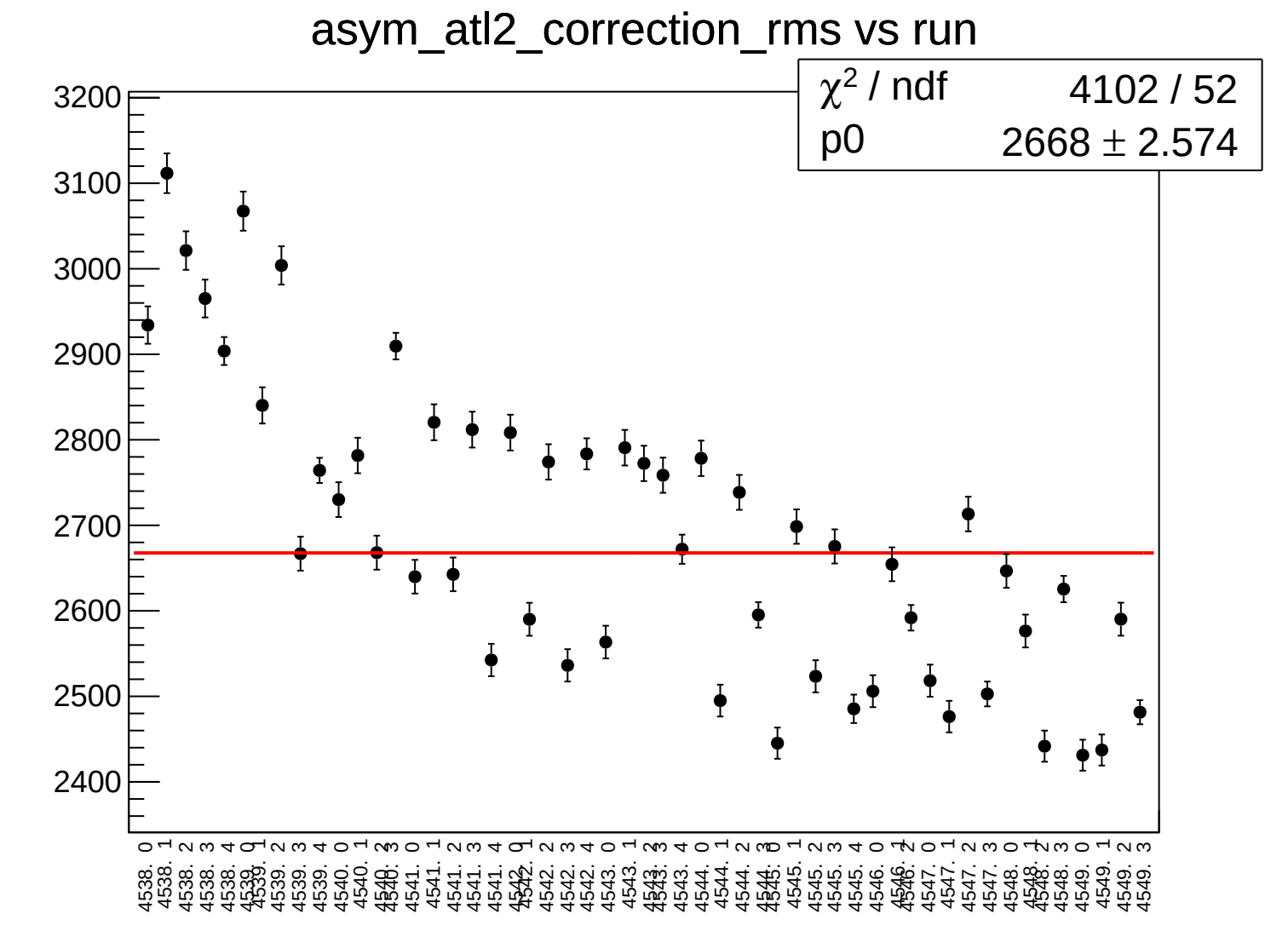

reg_asym_atl2_mean vs run
χ² / ndf 43.76 / 52
p0 −1837 ± 545.4
pull
Entries 53
Mean 111.3
Std Dev 82.43

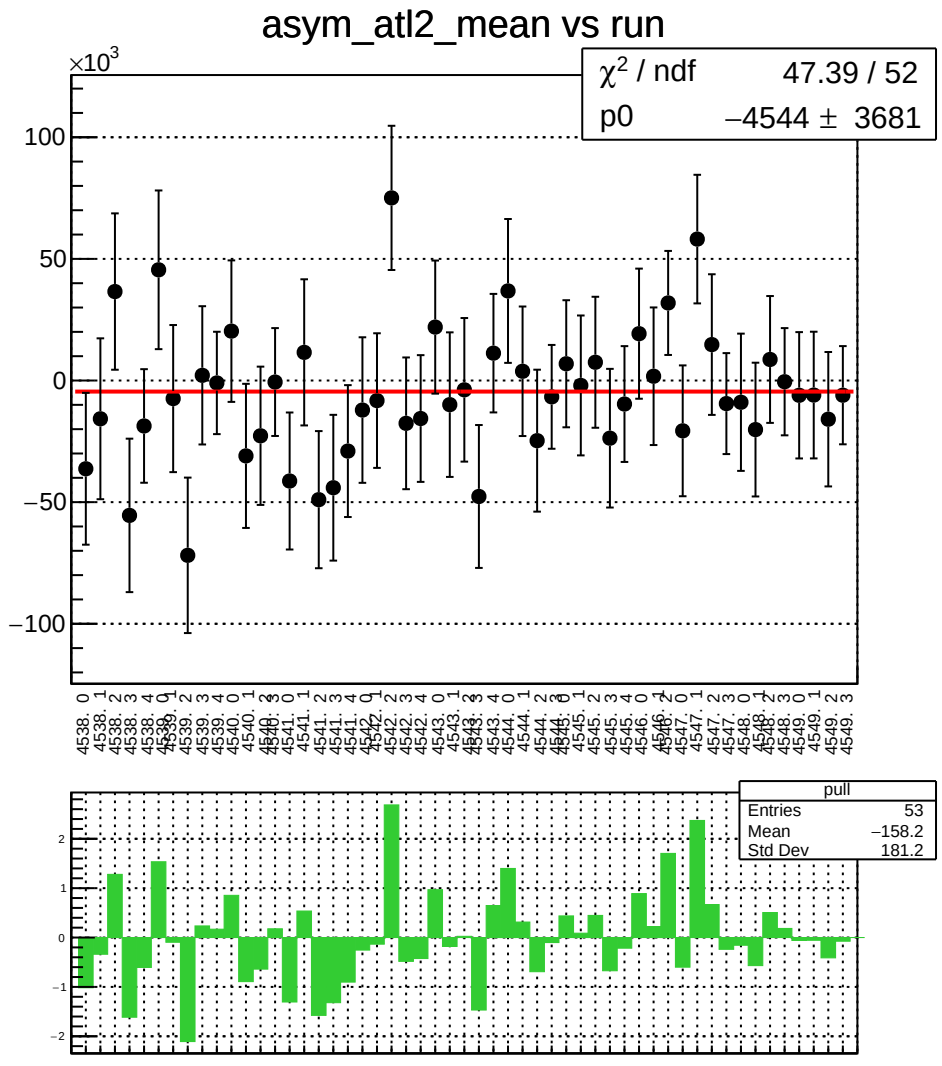

pull1D
Entries 53
Mean −0.02285
Std Dev 0.9084

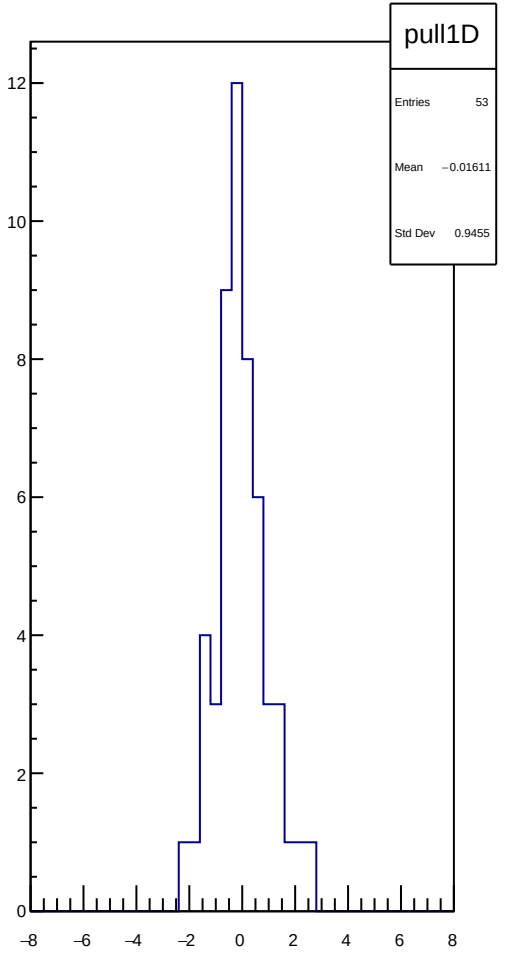

reg_asym_atl2_rms vs run
χ² / ndf 637.8 / 52
p0 400.3 ± 0.3856
470
460
450
440
430
420
410
400
390
380
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 4
4544. 0
4544. 1
4544. 2
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

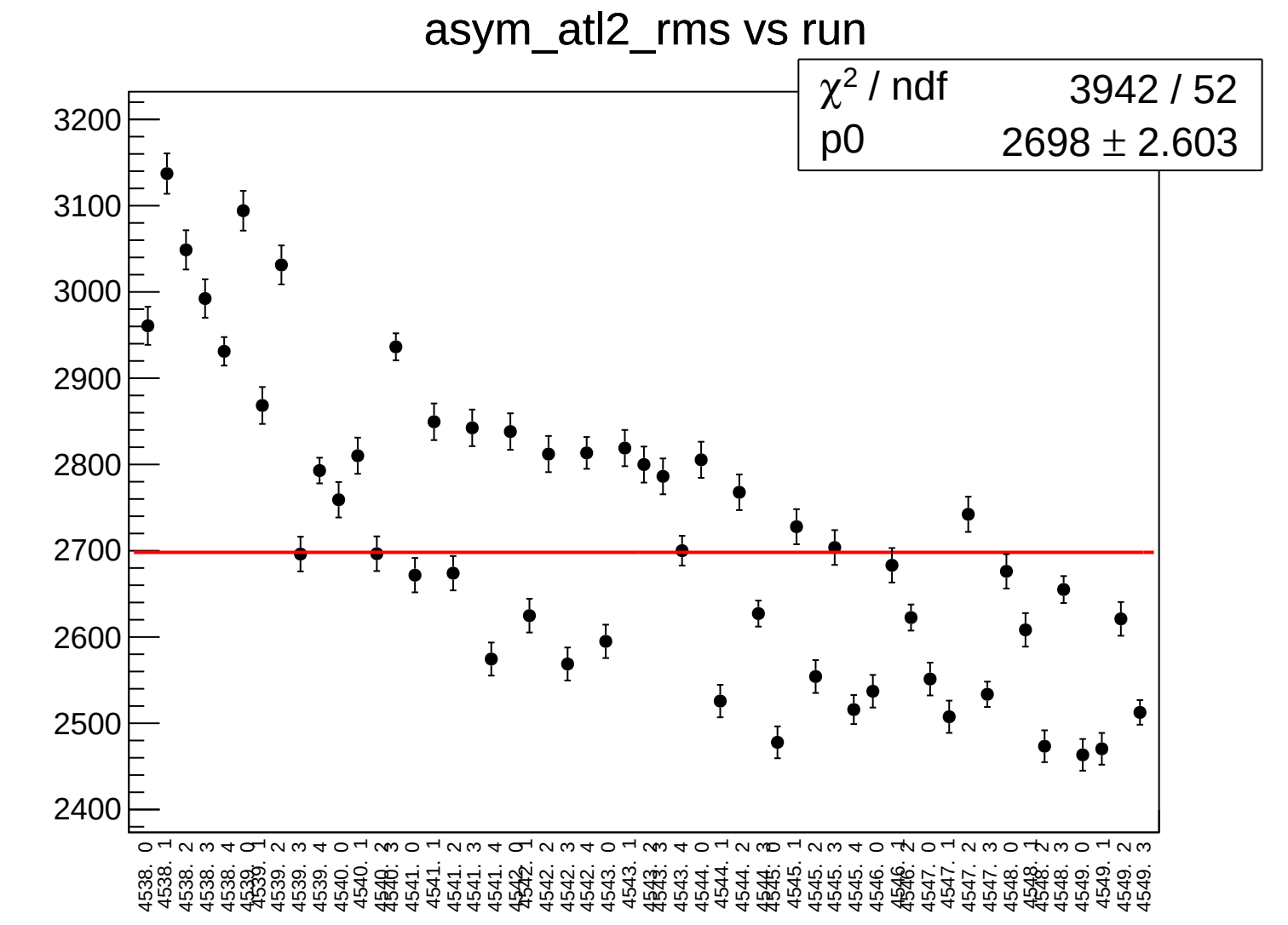

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 44.97 / 52
p0 2682 ± 3640
100
50
0
−50
−100
pull
Entries 53
Mean −220.3
Std Dev 244
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.01334
Std Dev 0.921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_correction_rms vs run
χ² / ndf 4102 / 52
p0 2668 ± 2.574
3200
3100
3000
2900
2800
2700
2600
2500
2400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_atl2_mean vs run
×10^3
χ^2 / ndf 47.39 / 52
p0 −4544 ± 3681
100
50
0
−50
−100
pull
Entries 53
Mean −158.2
Std Dev 181.2
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01611
Std Dev 0.9455
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_rms vs run
χ² / ndf 3942 / 52
p0 2698 ± 2.603
3200
3100
3000
2900
2800
2700
2600
2500
2400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
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4546. 2
4547. 0
4547. 1
4547. 2
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4548. 1
4548. 2
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4549. 0
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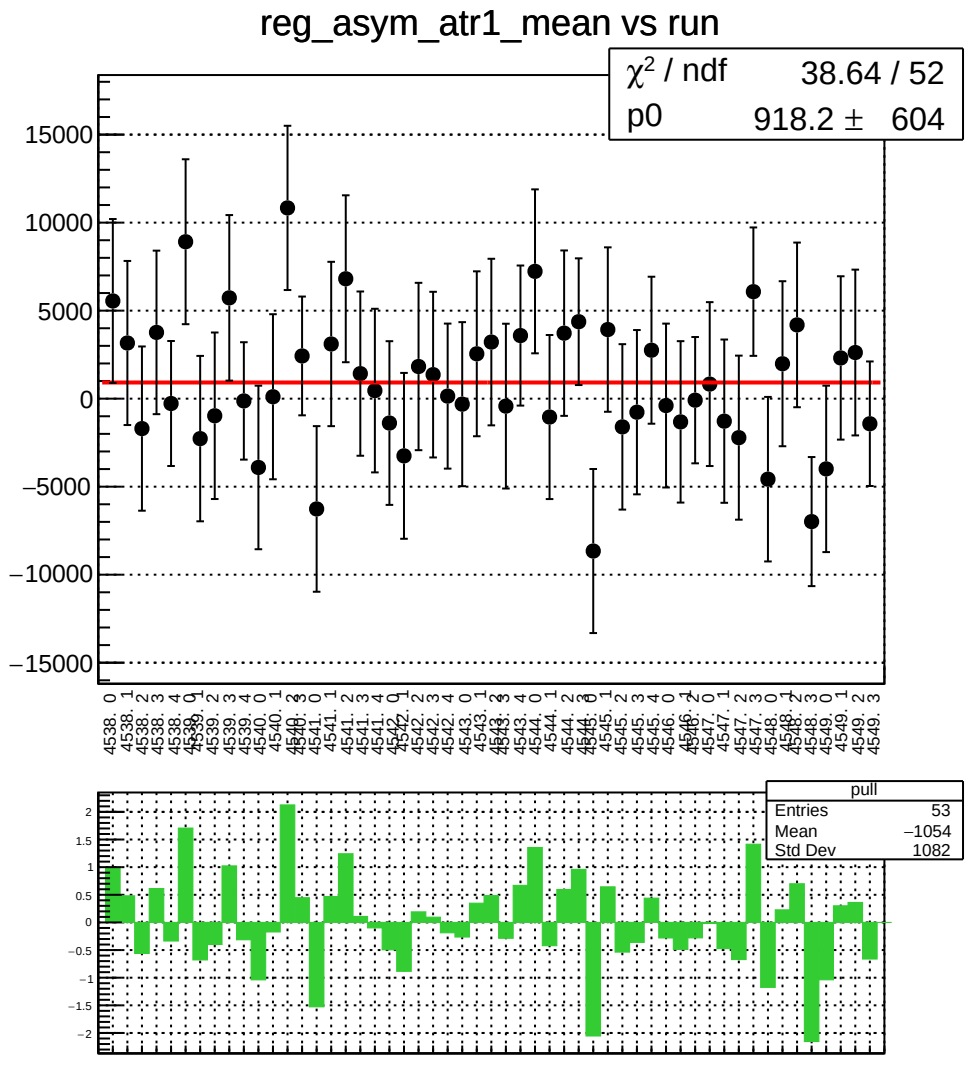
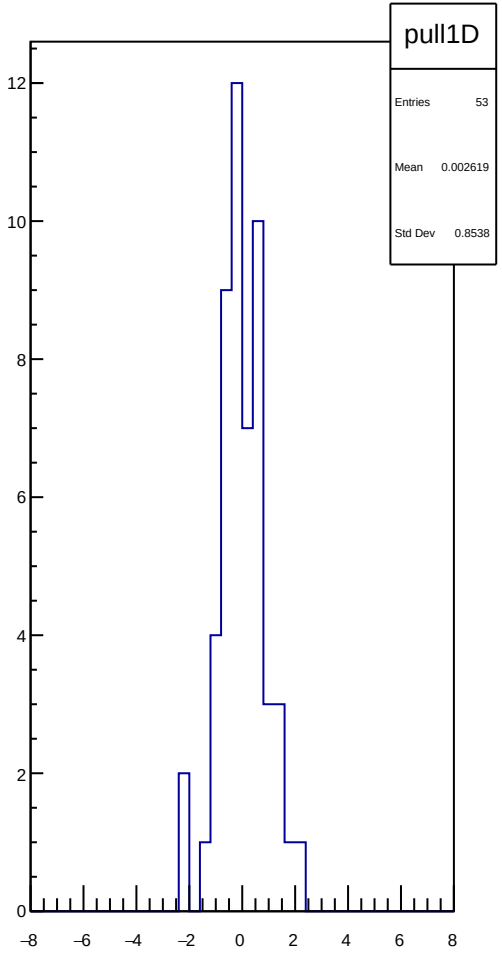
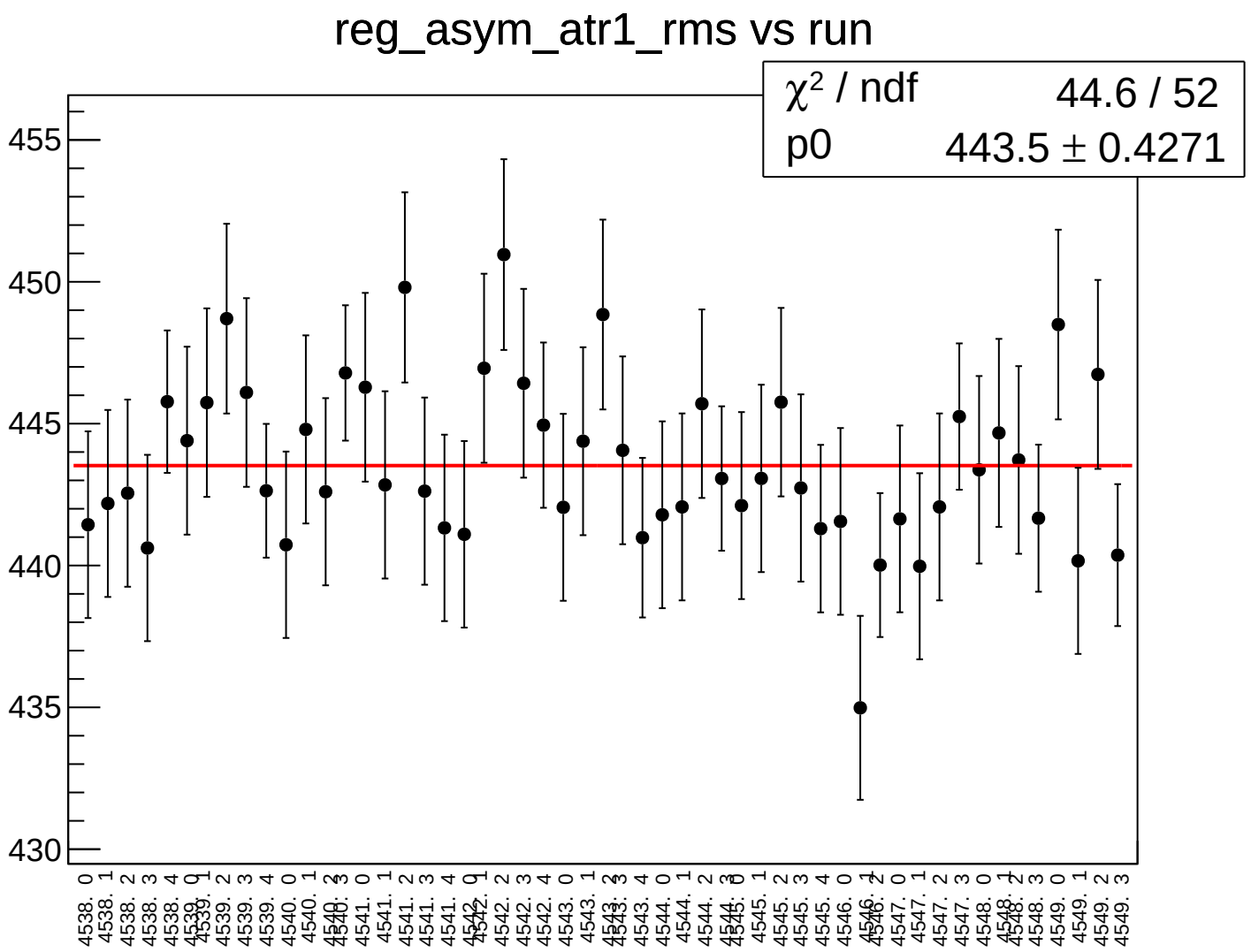
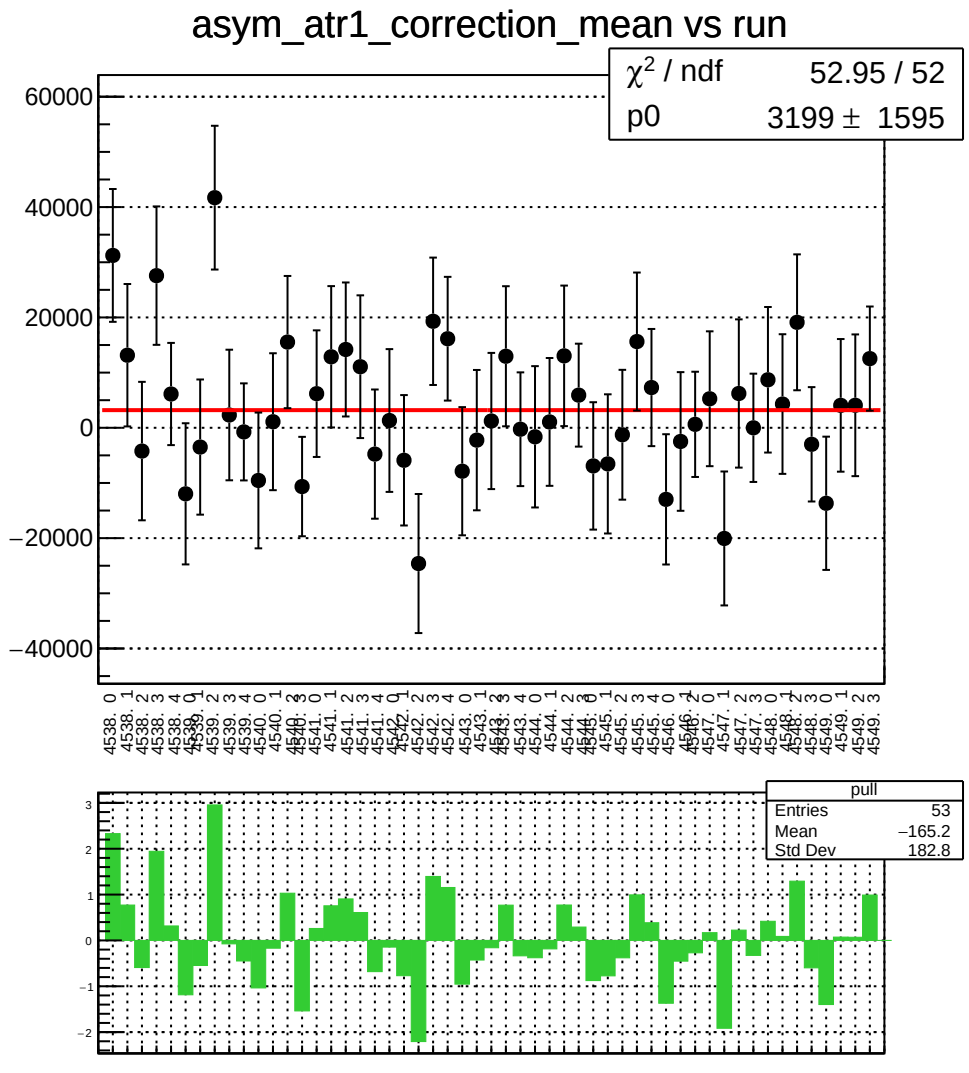
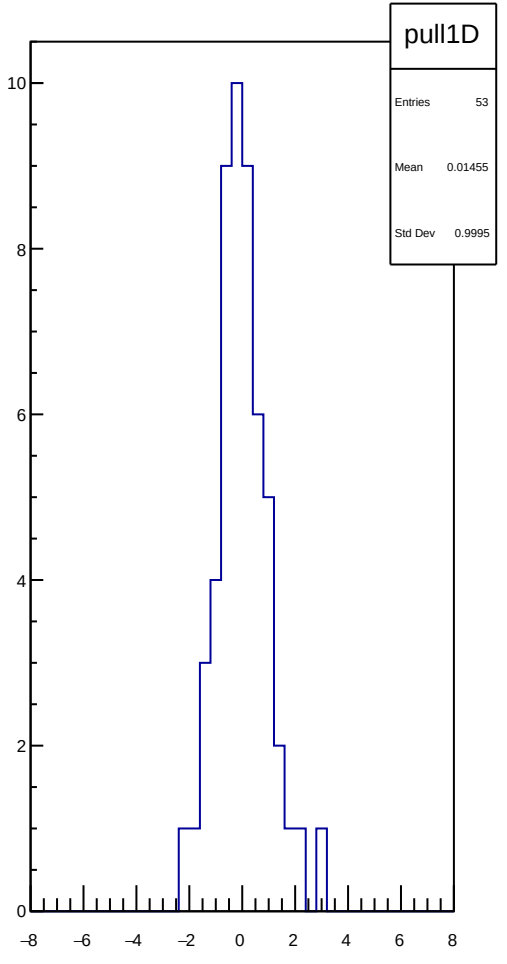
4549. 2
4549. 3

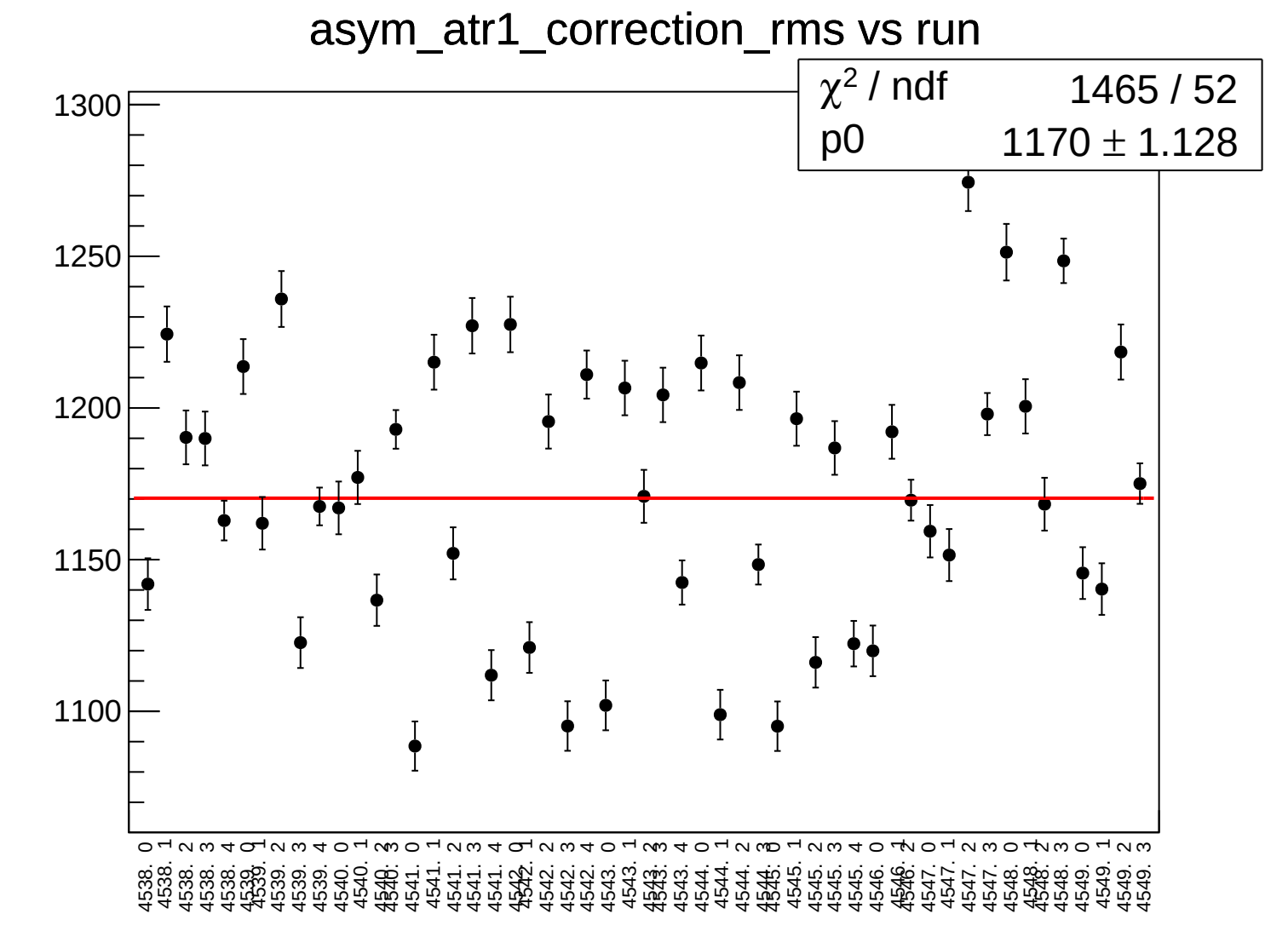

reg_asym_atr1_mean vs run
χ² / ndf 38.64 / 52
p0 918.2 ± 604
pull
Entries 53
Mean −1054
Std Dev 1082

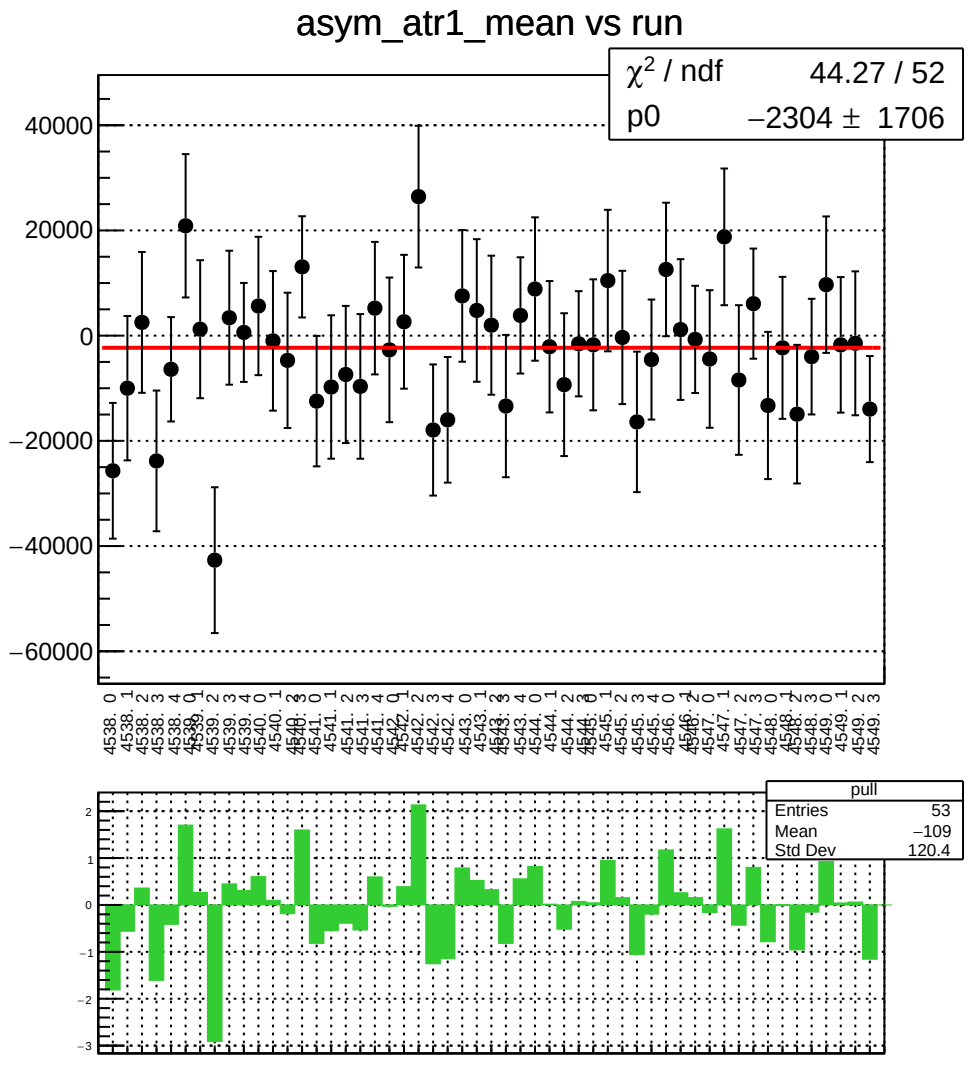

pull1D
Entries 53
Mean 0.002619
Std Dev 0.8538

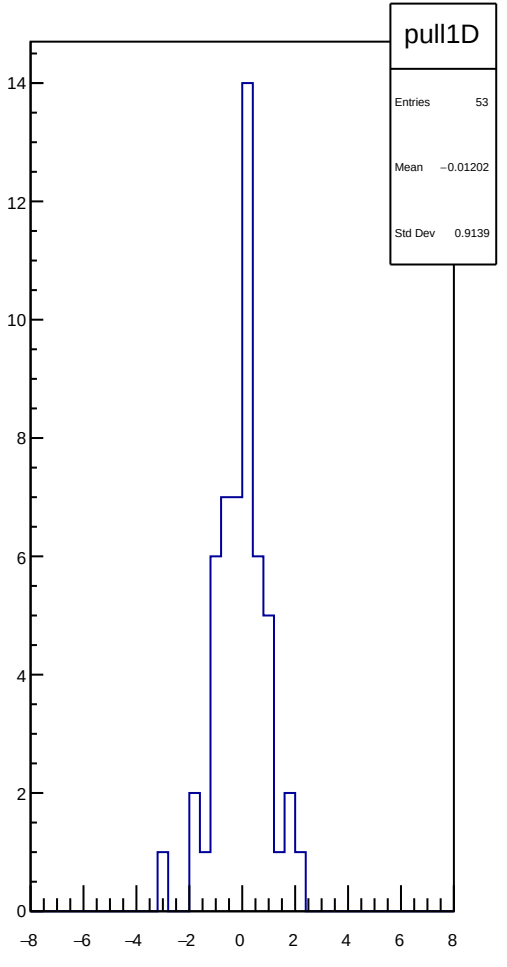

reg_asym_atr1_rms vs run
χ² / ndf 44.6 / 52
p0 443.5 ± 0.4271
455
450
445
440
435
430
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

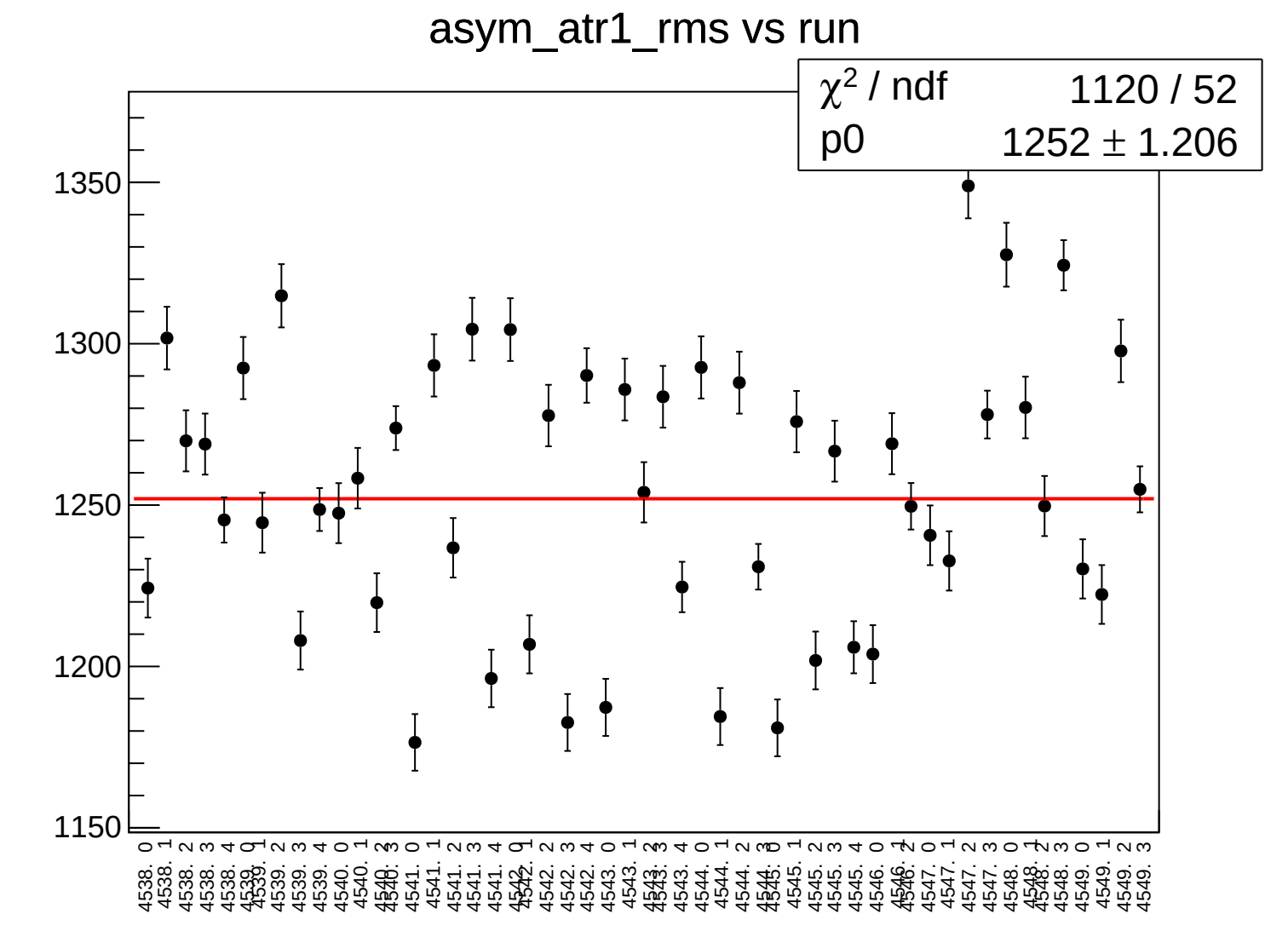

asym_atr1_correction_mean vs run
χ² / ndf 52.95 / 52
p0 3199 ± 1595
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −165.2
Std Dev 182.8
3
2
1
0
−1
−2

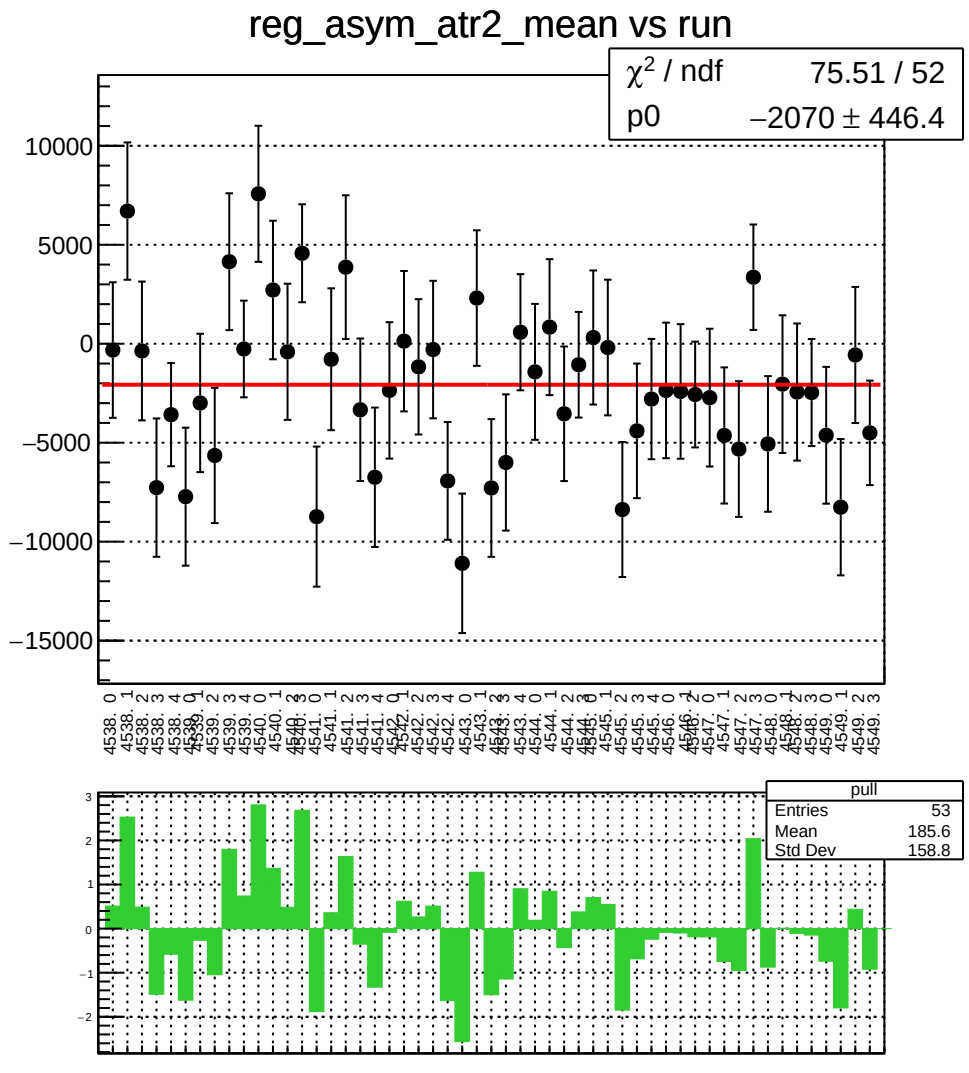

pull1D
Entries 53
Mean 0.01455
Std Dev 0.9995
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

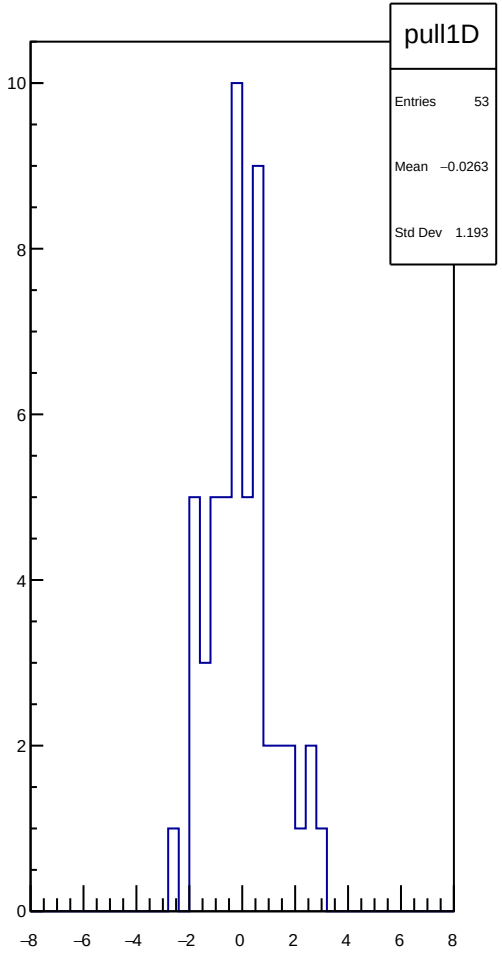

asym_atr1_correction_rms vs run
χ² / ndf 1465 / 52
p0 1170 ± 1.128
1300
1250
1200
1150
1100
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

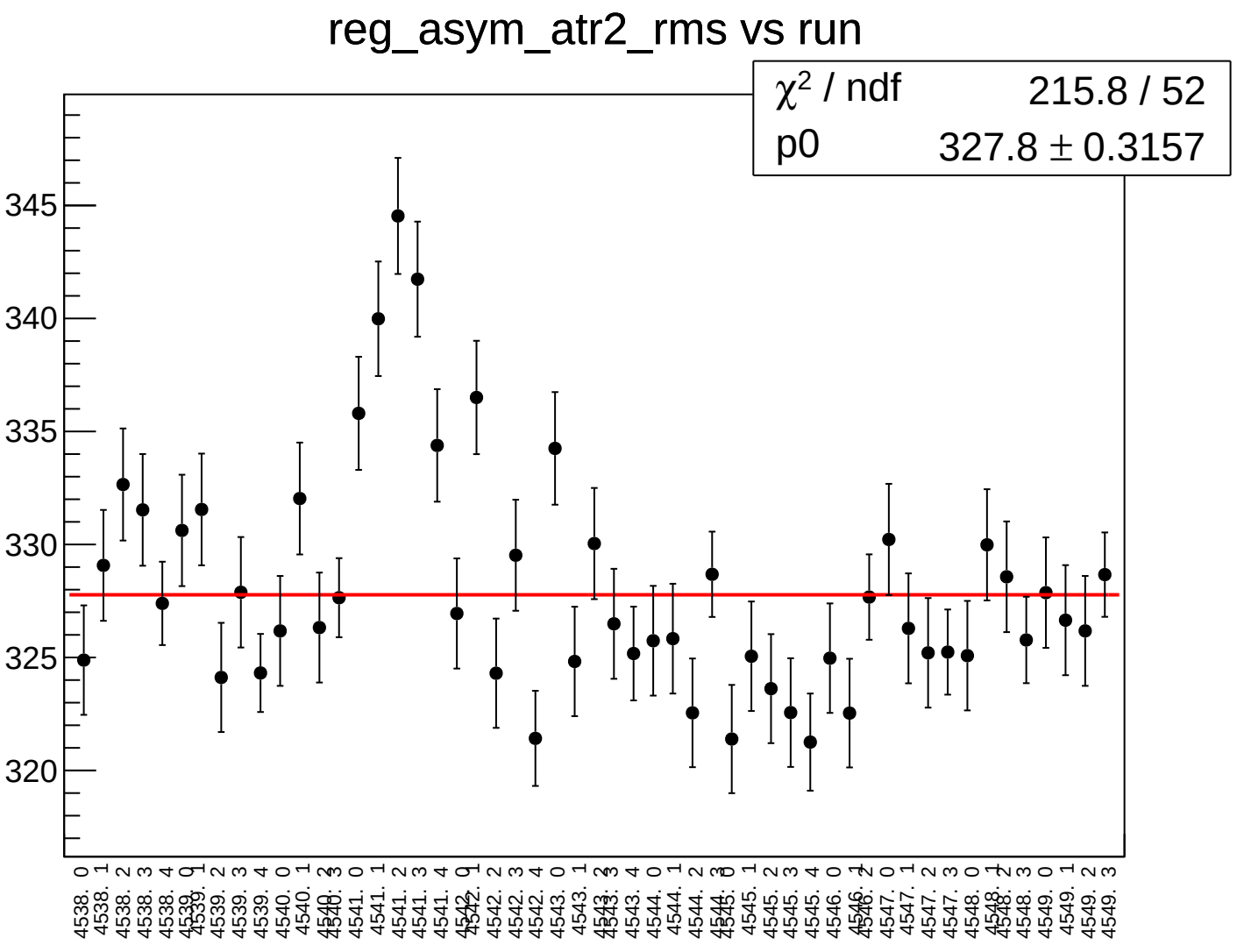

asym_atr1_mean vs run
χ² / ndf 44.27 / 52
p0 −2304 ± 1706
pull
Entries 53
Mean −109
Std Dev 120.4

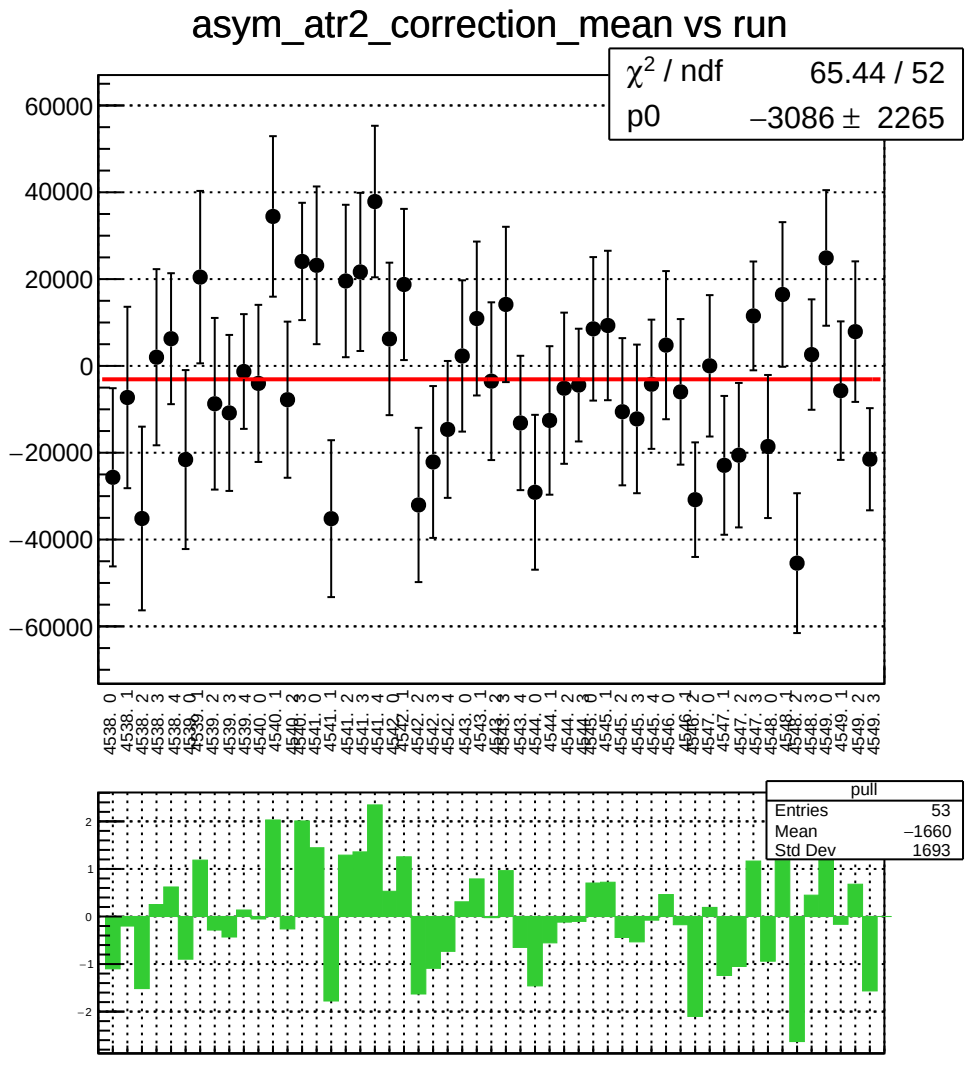

pull1D
Entries 53
Mean −0.01202
Std Dev 0.9139

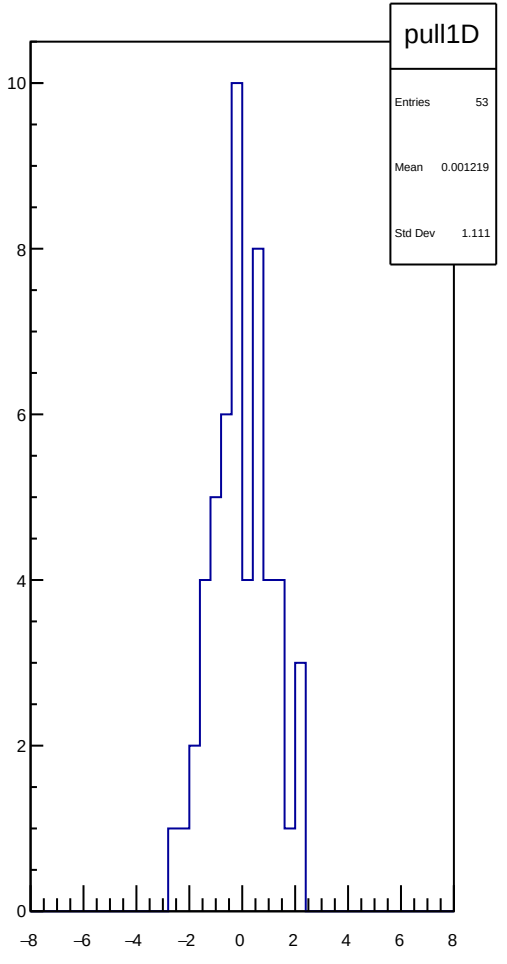

asym_atr1_rms vs run
χ² / ndf 1120 / 52
p0 1252 ± 1.206
1350
1300
1250
1200
1150
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

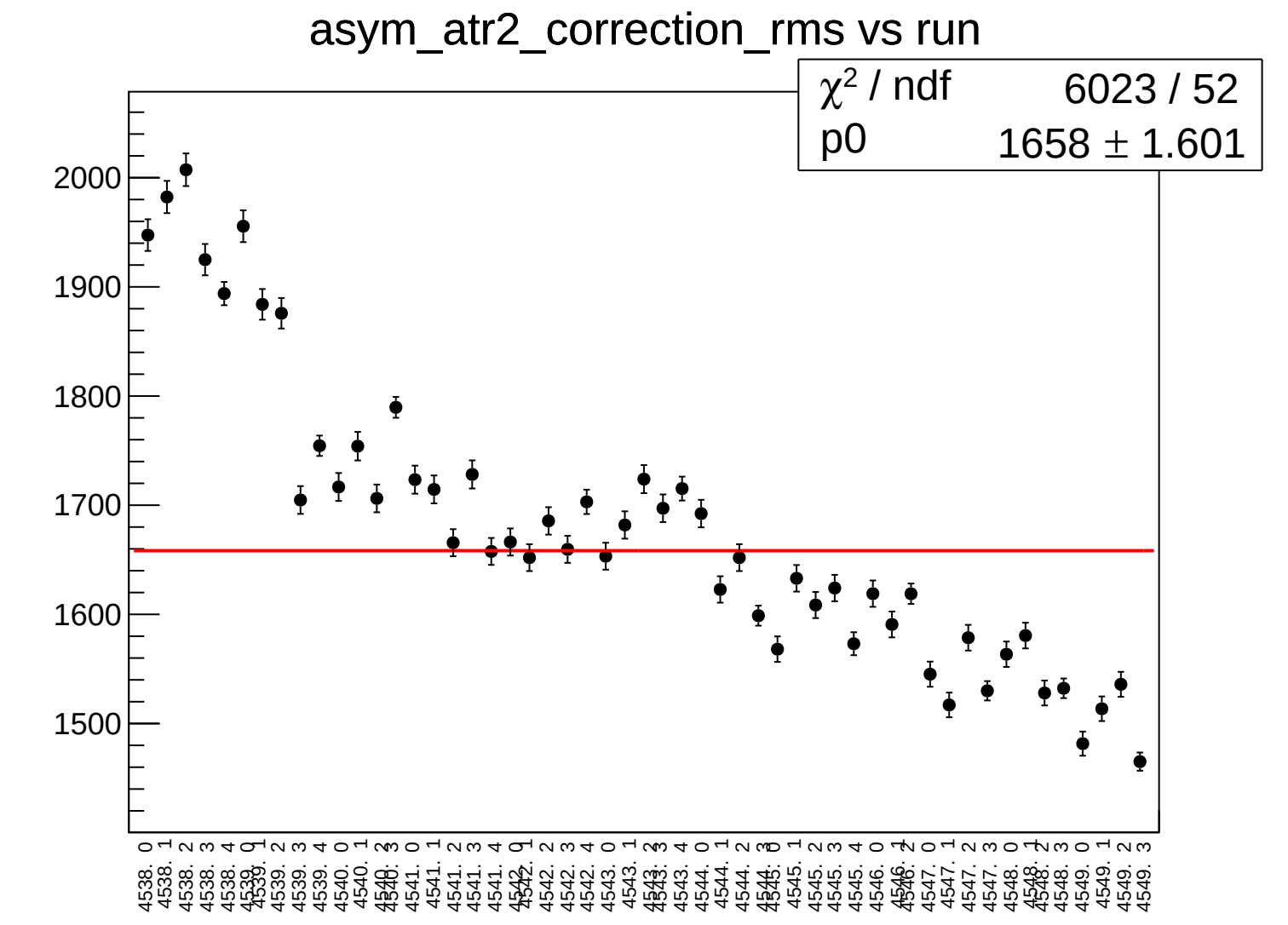

reg_asym_atr2_mean vs run
χ² / ndf 75.51 / 52
p0 −2070 ± 446.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 185.6
Std Dev 158.8
3
2
1
0
−1
−2

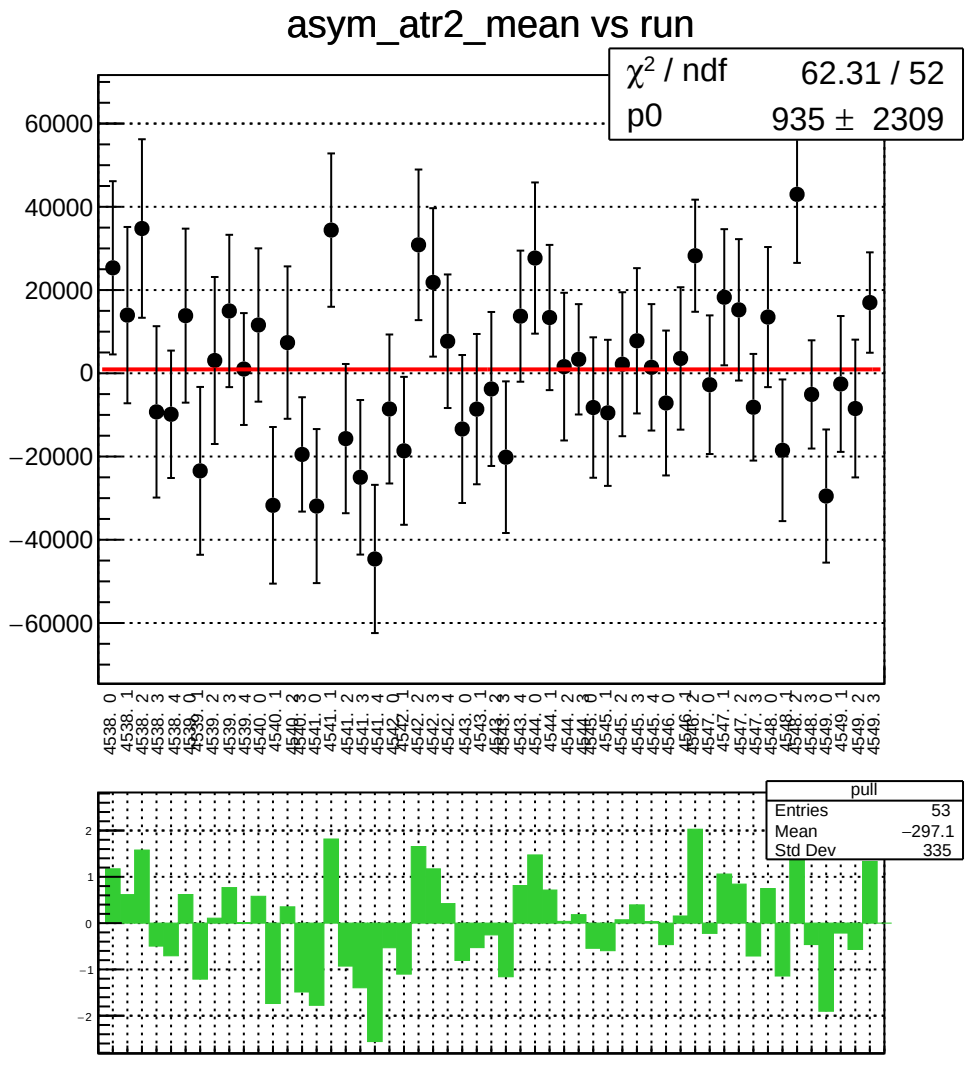

pull1D
Entries 53
Mean −0.0263
Std Dev 1.193
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

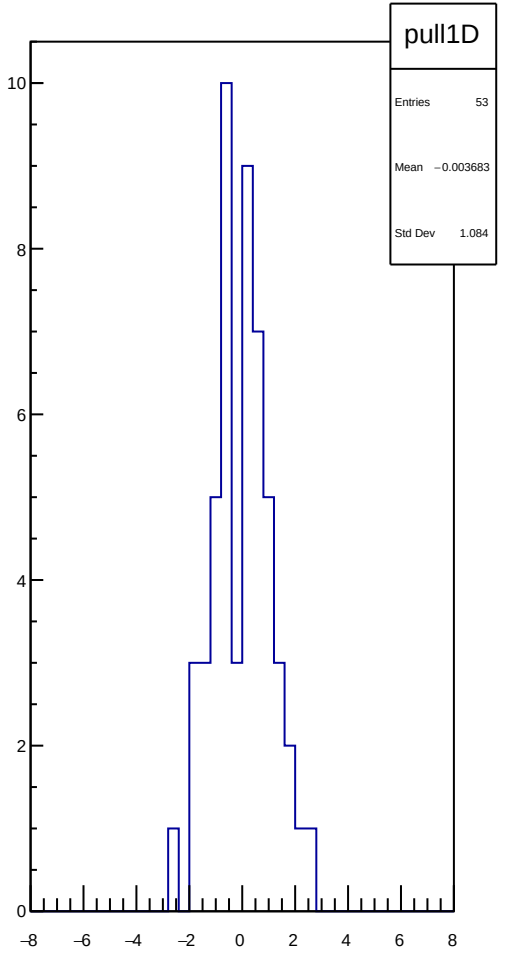

reg_asym_atr2_rms vs run
χ² / ndf 215.8 / 52
p0 327.8 ± 0.3157
345
340
335
330
325
320
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

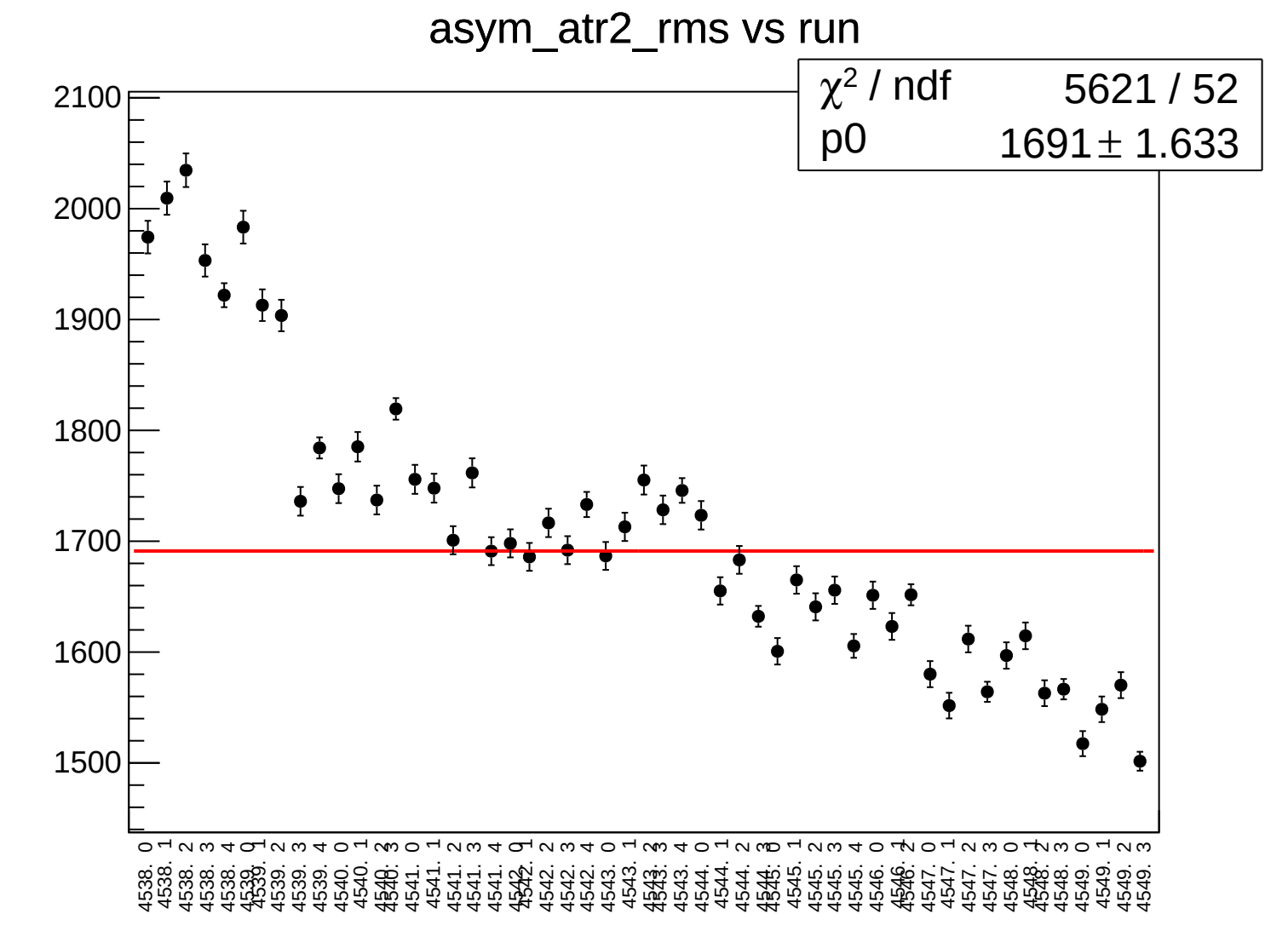

asym_atr2_correction_mean vs run
χ² / ndf 65.44 / 52
p0 −3086 ± 2265
pull
Entries 53
Mean −1660
Std Dev 1693

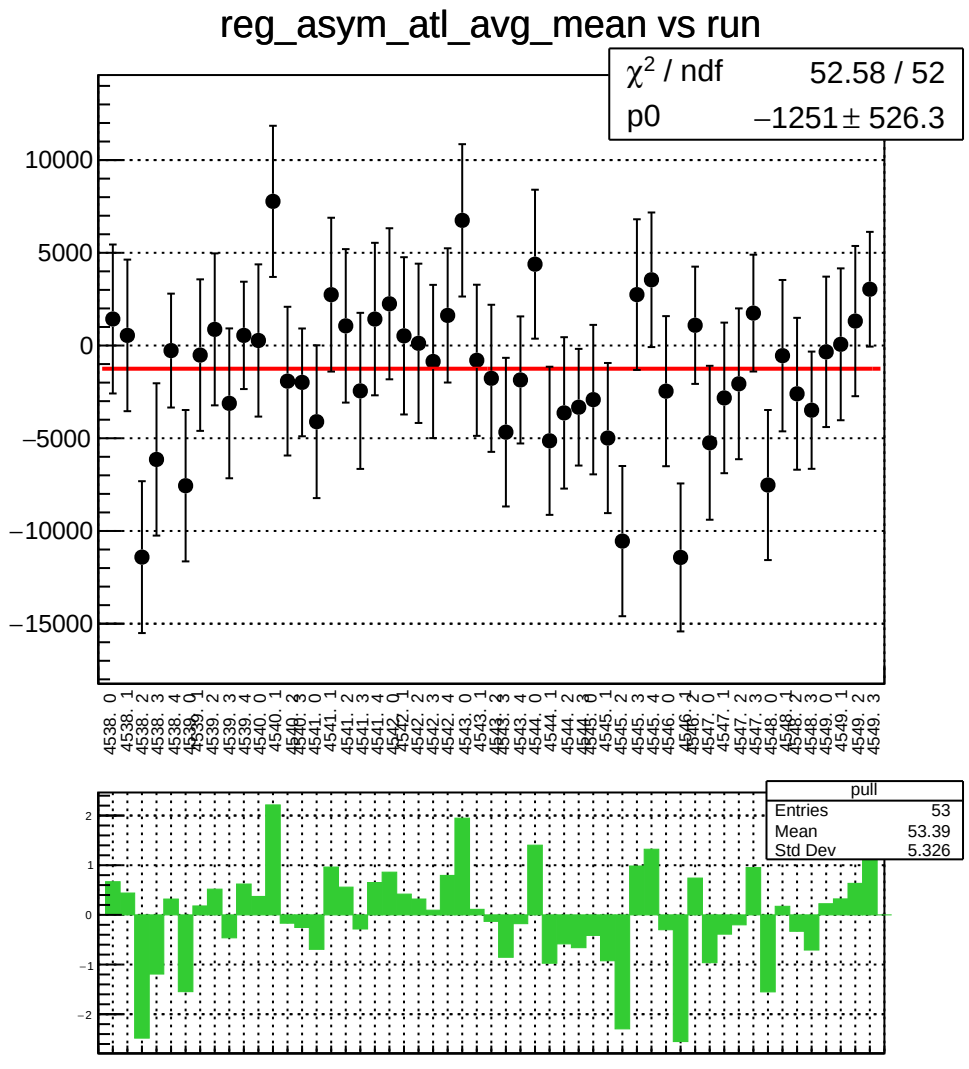

pull1D
Entries 53
Mean 0.001219
Std Dev 1.111

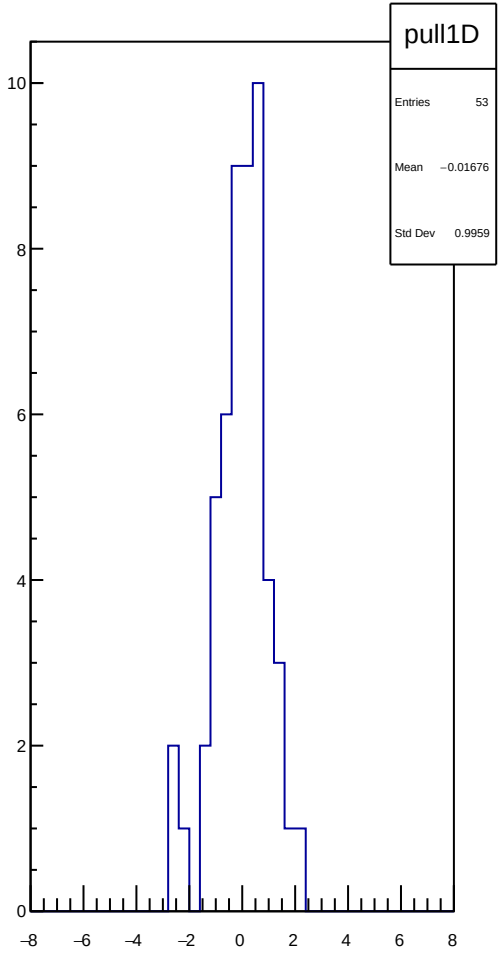

asym_atr2_correction_rms vs run
χ² / ndf 6023 / 52
p0 1658 ± 1.601
2000
1900
1800
1700
1600
1500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

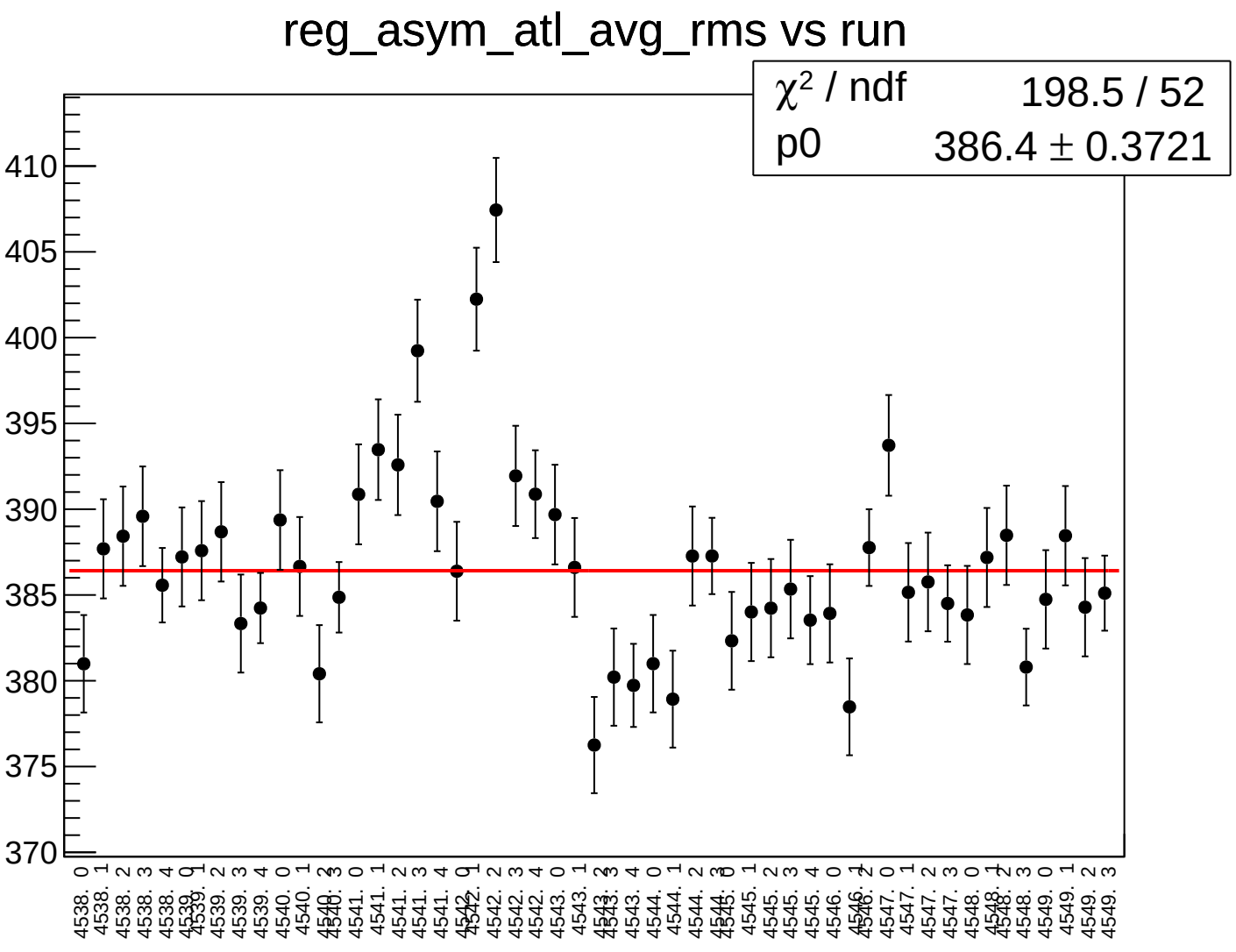

asym_atr2_mean vs run
χ² / ndf 62.31 / 52
p0 935 ± 2309
pull
Entries 53
Mean −297.1
Std Dev 335

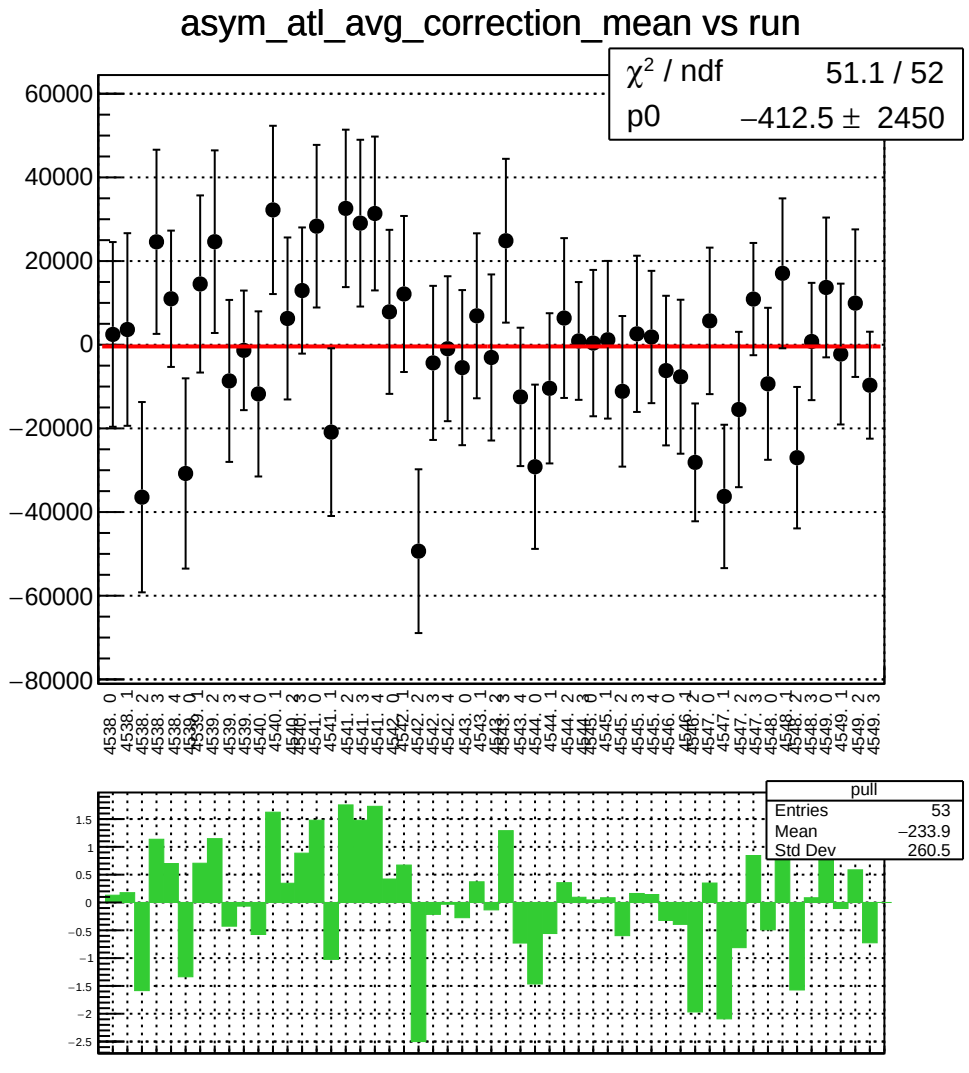

pull1D
Entries 53
Mean −0.003683
Std Dev 1.084

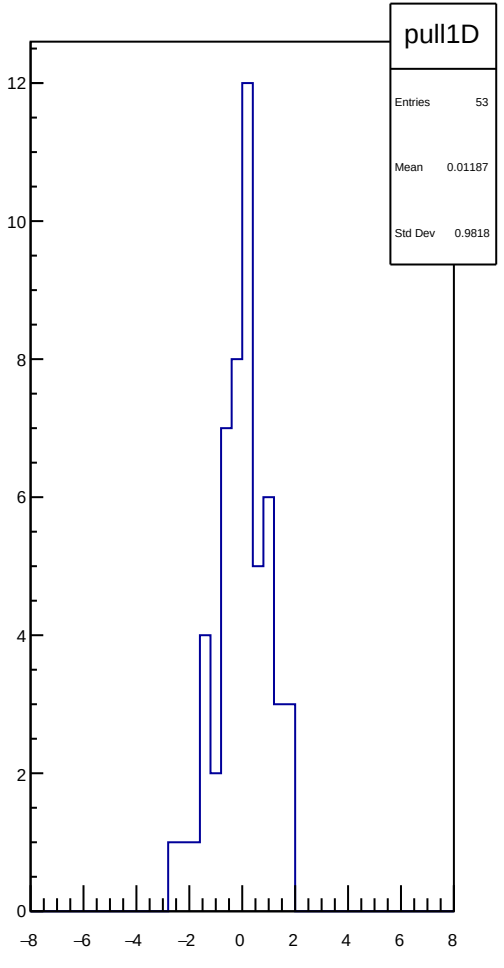

asym_atr2_rms vs run
χ² / ndf 5621 / 52
p0 1691 ± 1.633
2100
2000
1900
1800
1700
1600
1500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

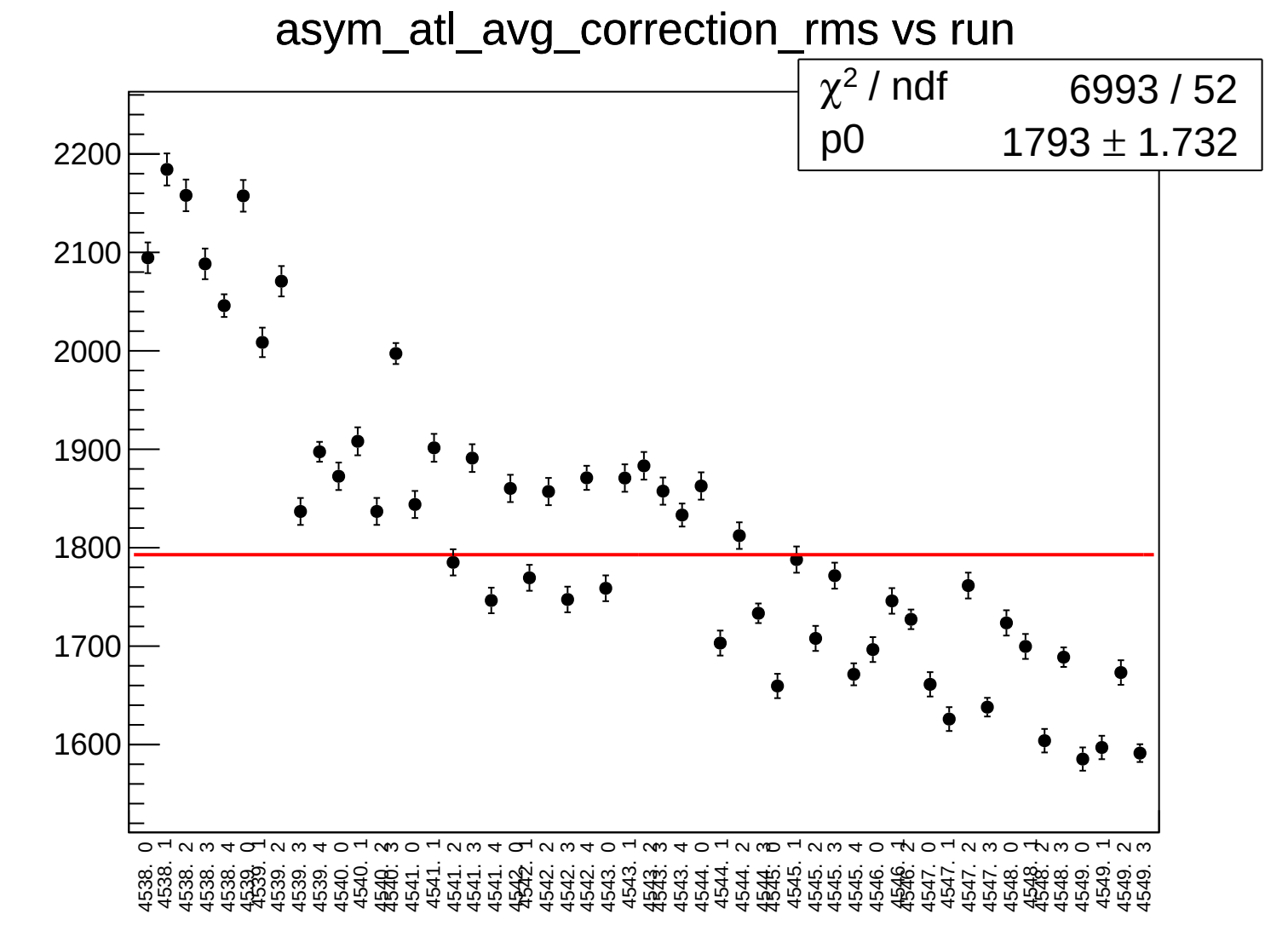

reg_asym_atl_avg_mean vs run
χ² / ndf 52.58 / 52
p0 −1251 ± 526.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 53.39
Std Dev 5.326
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01676
Std Dev 0.9959
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_avg_rms vs run
χ² / ndf 198.5 / 52
p0 386.4 ± 0.3721
410
405
400
395
390
385
380
375
370
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_atl_avg_correction_mean vs run
χ² / ndf 51.1 / 52
p0 −412.5 ± 2450
pull
Entries 53
Mean −233.9
Std Dev 260.5


pull1D
Entries 53
Mean 0.01187
Std Dev 0.9818


asym_atl_avg_correction_rms vs run
χ² / ndf 6993 / 52
p0 1793 ± 1.732
2200
2100
2000
1900
1800
1700
1600
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
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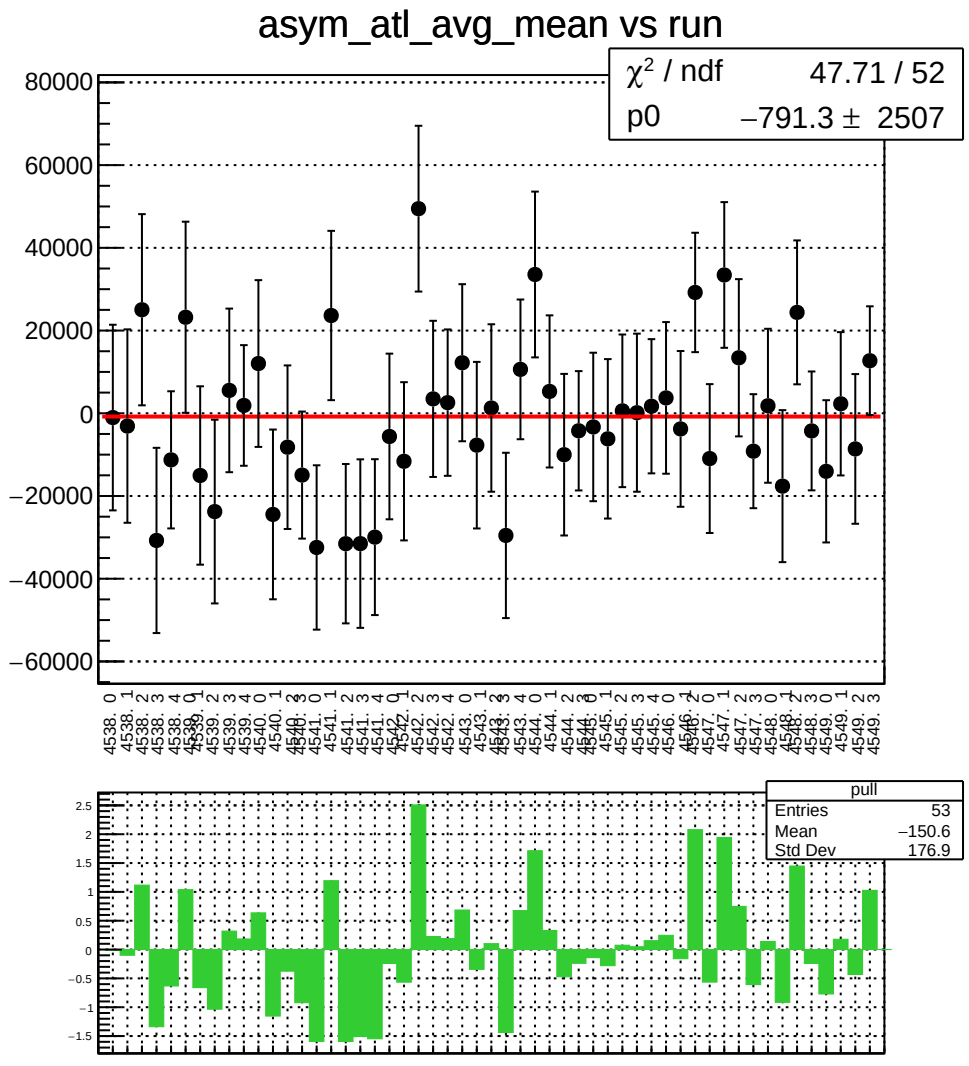
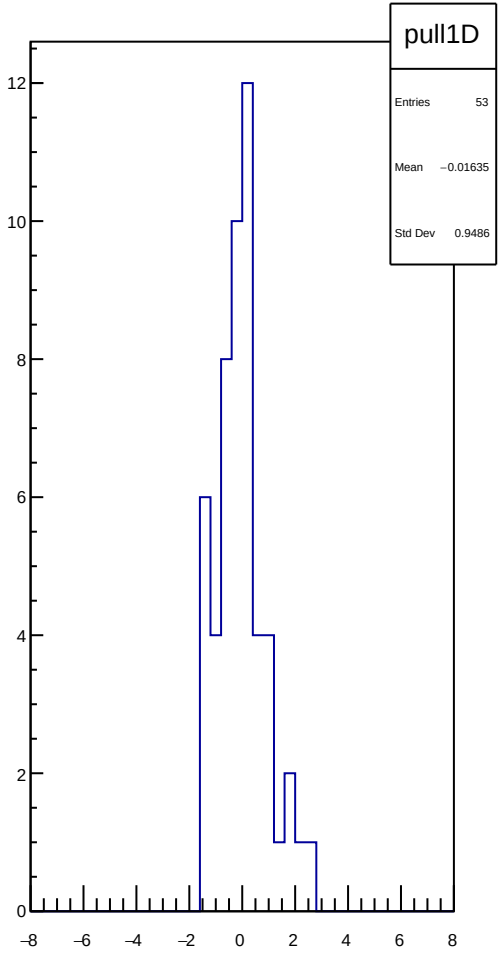
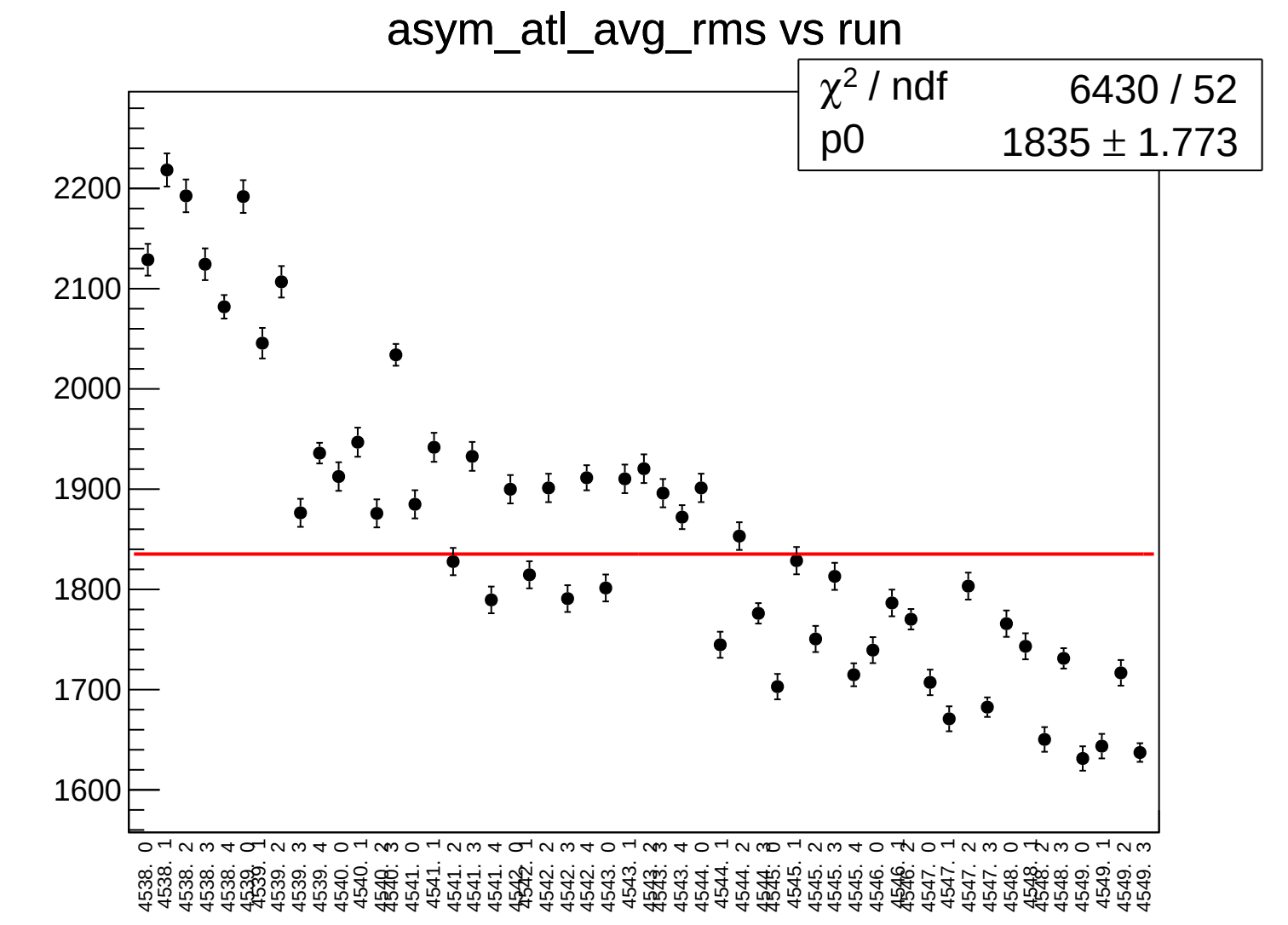
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_atl_avg_mean vs run
χ² / ndf 47.71 / 52
p0 −791.3 ± 2507
pull
Entries 53
Mean −150.6
Std Dev 176.9


pull1D
Entries 53
Mean −0.01635
Std Dev 0.9486


asym_atl_avg_rms vs run
χ² / ndf 6430 / 52
p0 1835 ± 1.773
2200
2100
2000
1900
1800
1700
1600
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
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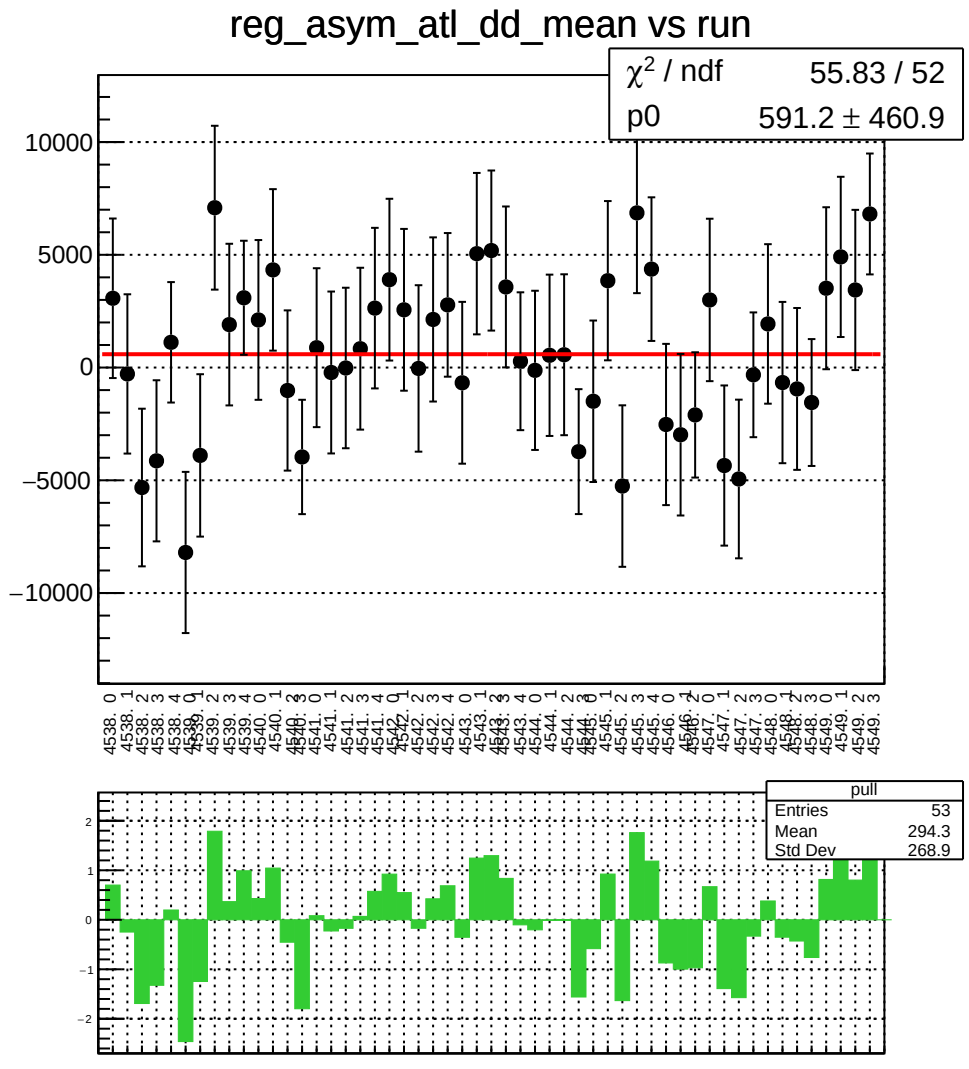
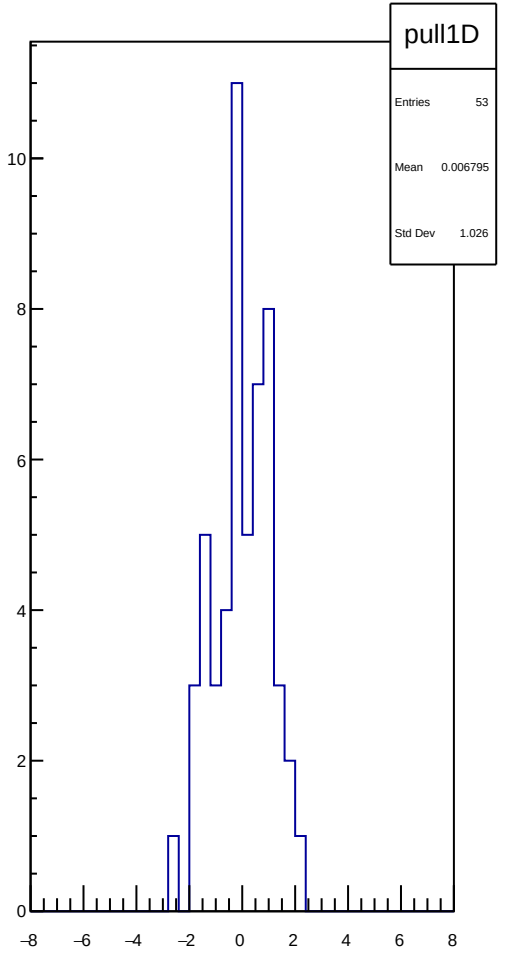
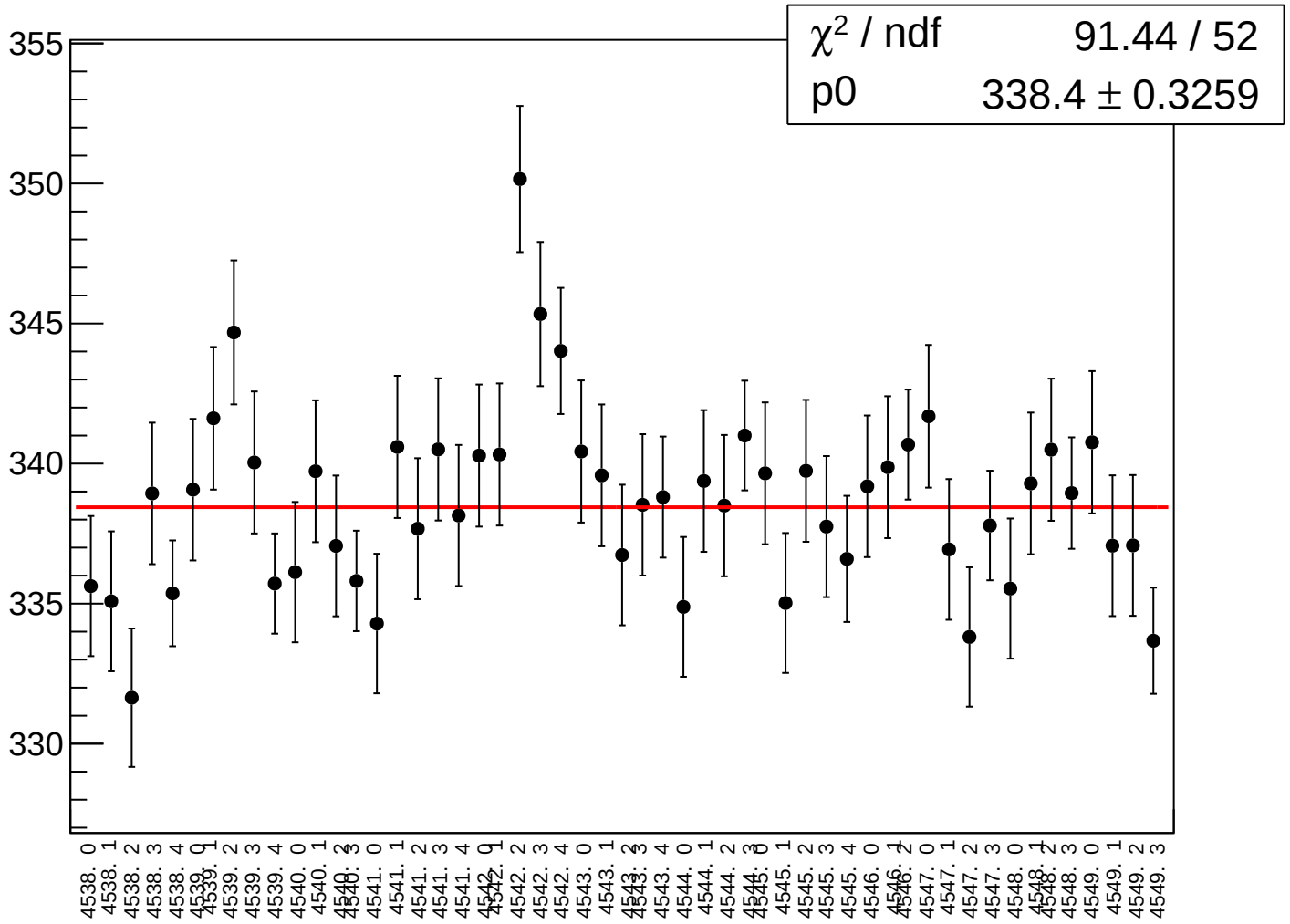
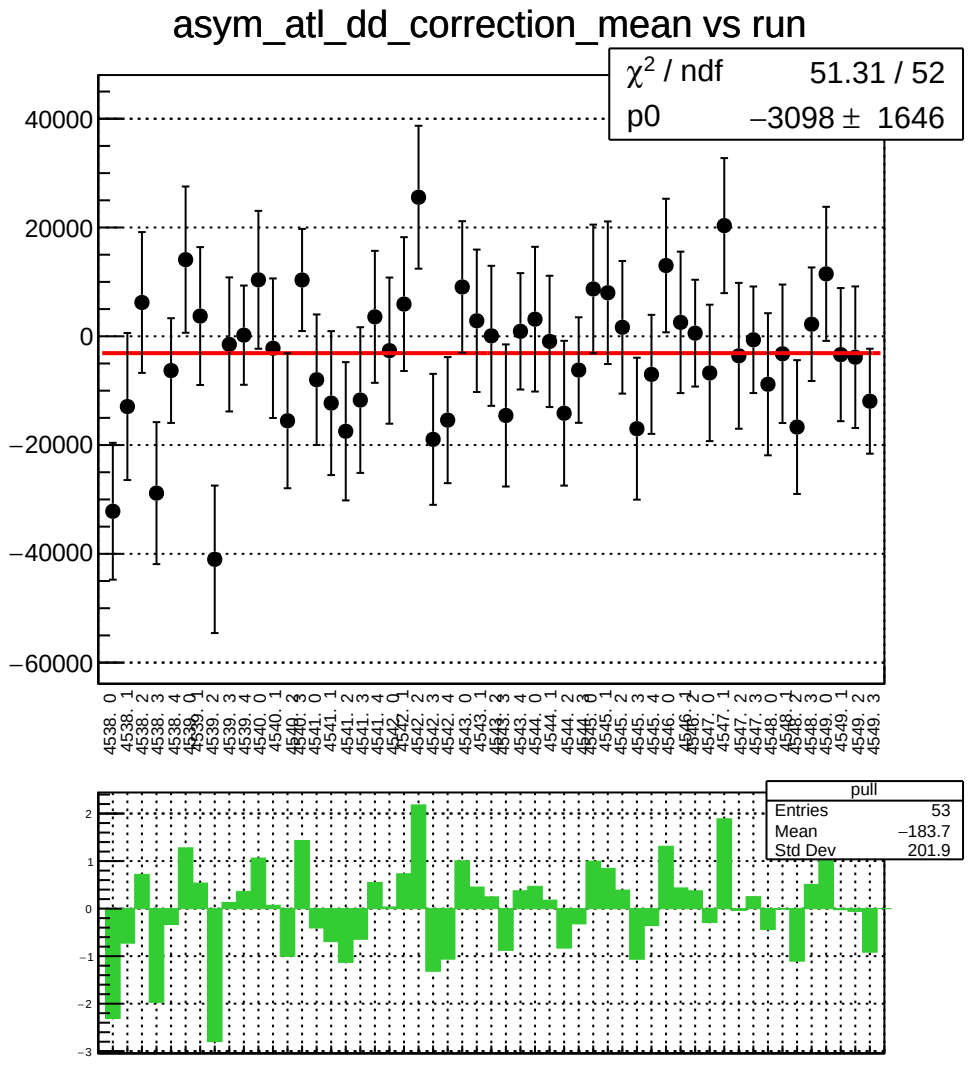
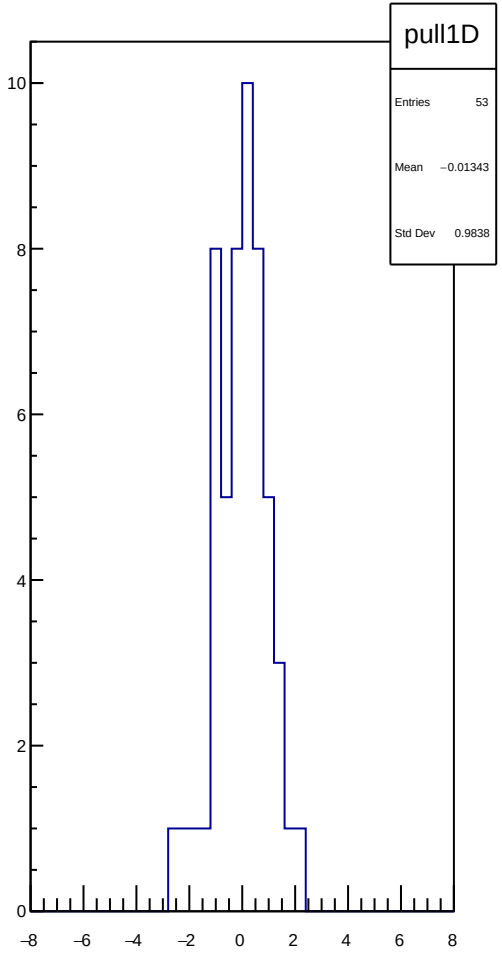
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

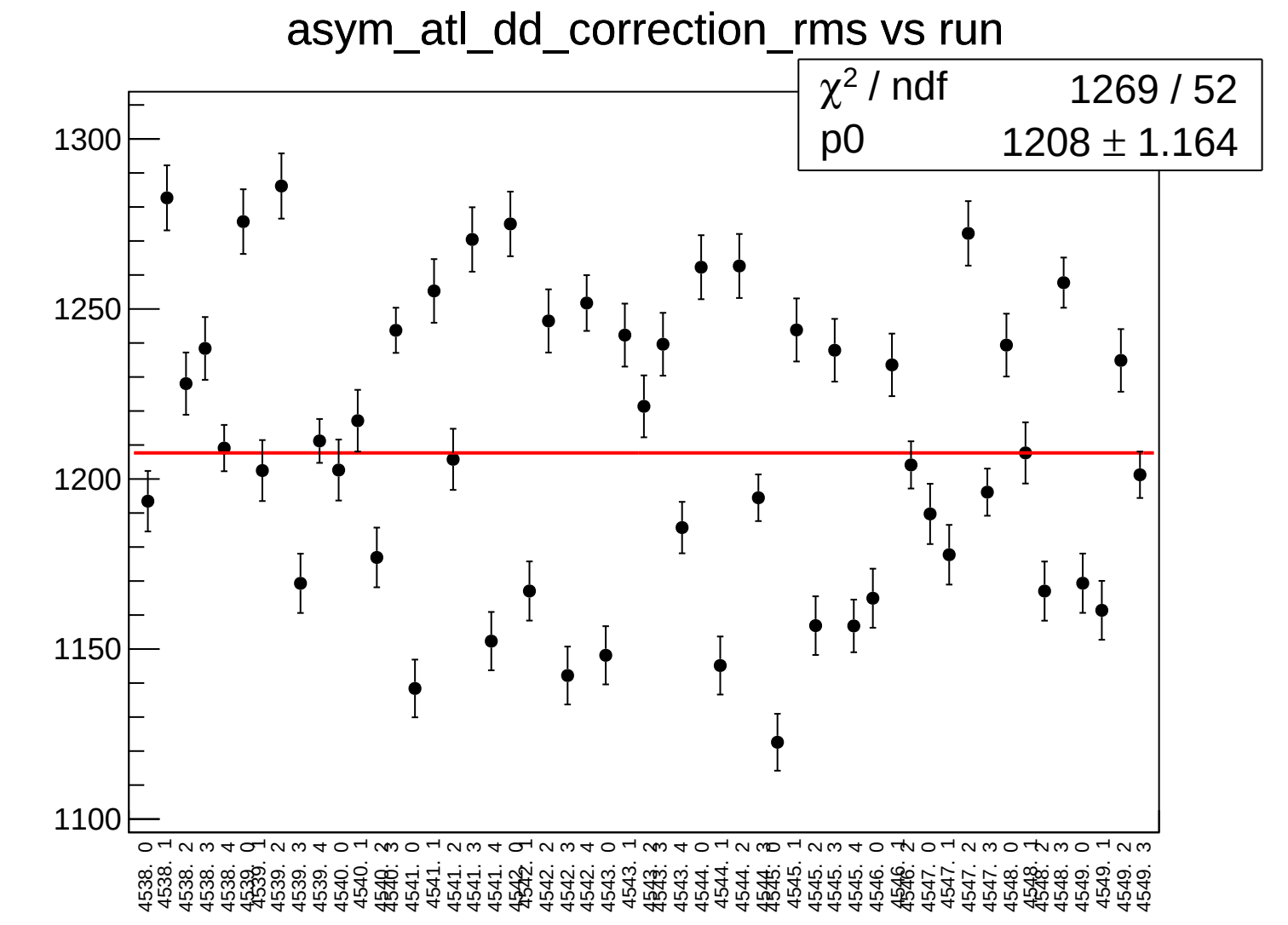

reg_asym_atl_dd_mean vs run
χ² / ndf 55.83 / 52
p0 591.2 ± 460.9
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 294.3
Std Dev 268.9
2
1
0
−1
−2

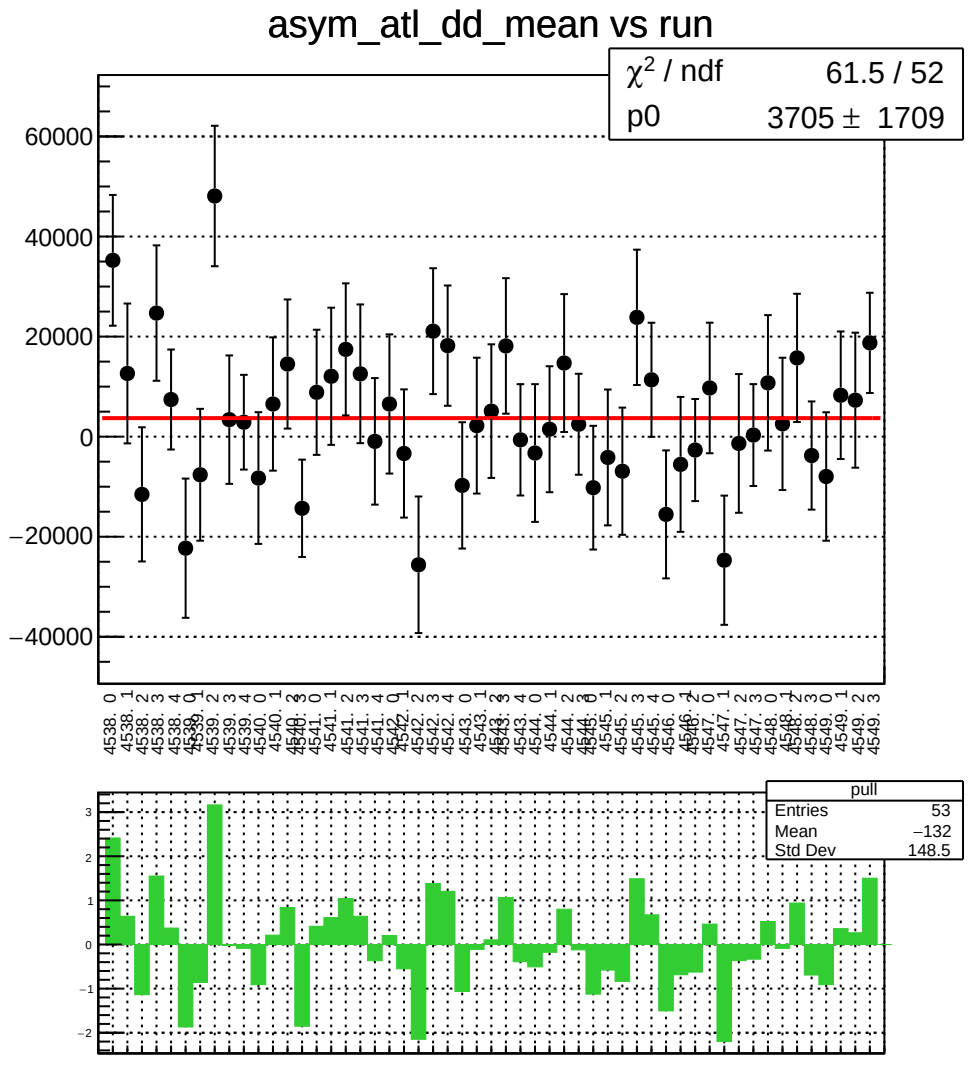

pull1D
Entries 53
Mean 0.006795
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

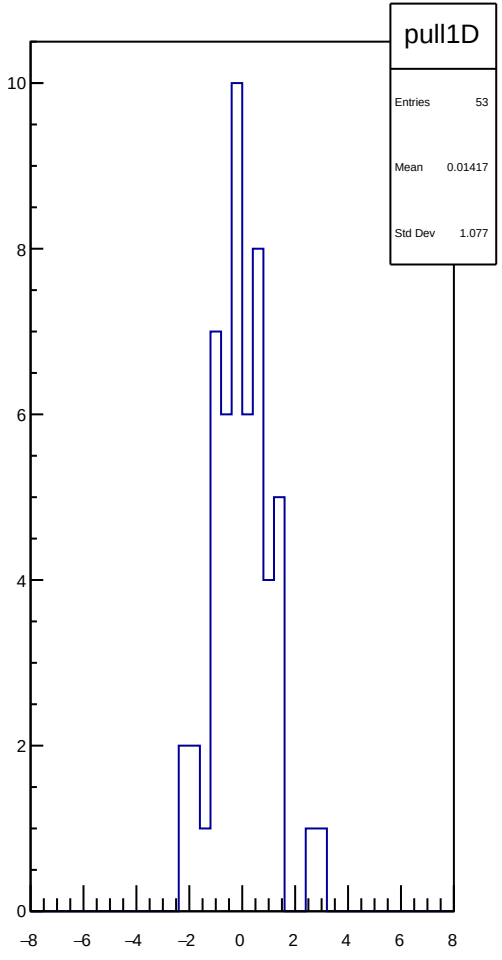

reg_asym_atl_dd_rms vs run
χ^2 / ndf 91.44 / 52
p0 338.4 ± 0.3259
355
350
345
340
335
330
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

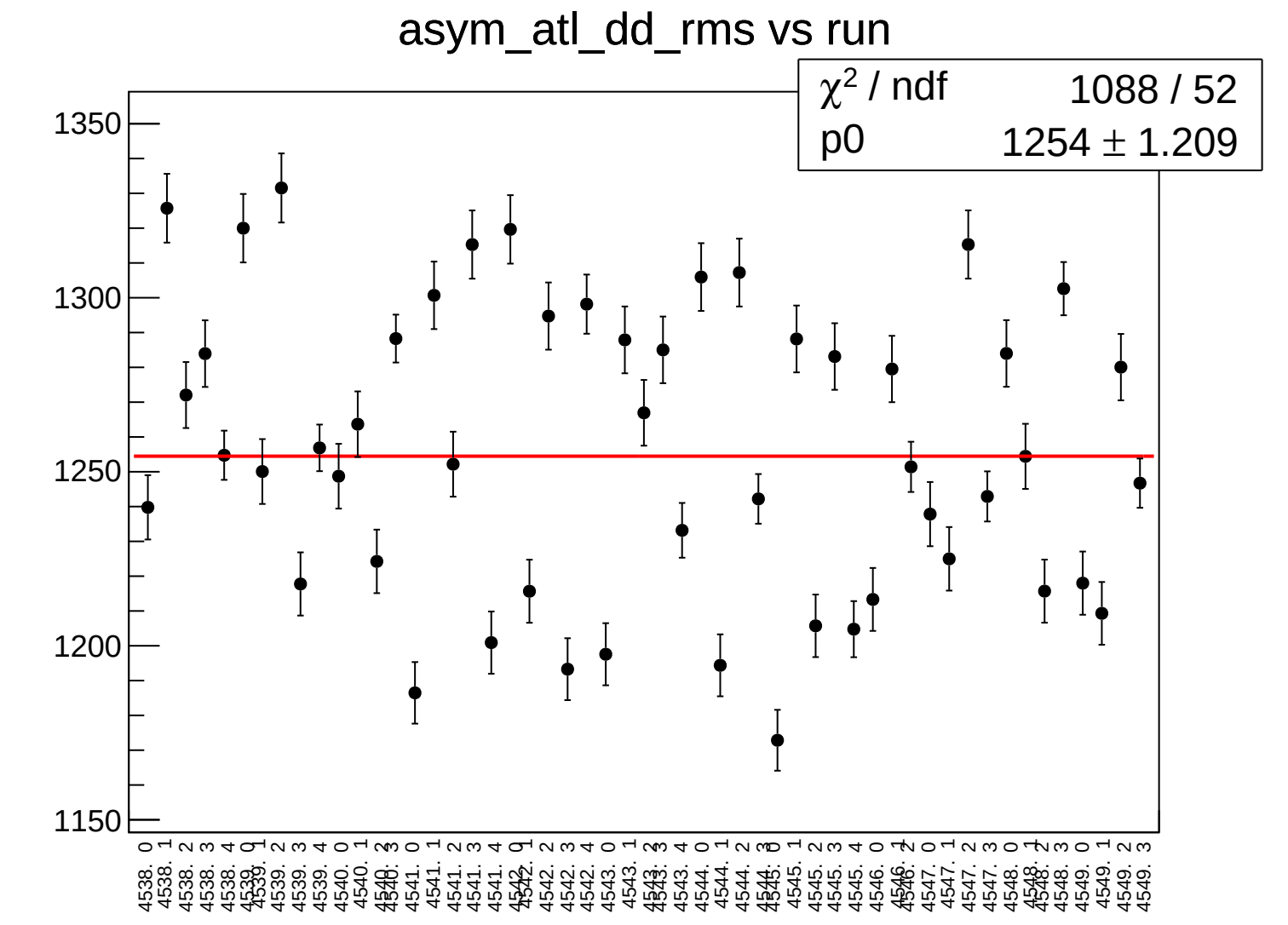

asym_atl_dd_correction_mean vs run
χ² / ndf 51.31 / 52
p0 −3098 ± 1646
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −183.7
Std Dev 201.9
2
1
0
−1
−2
−3

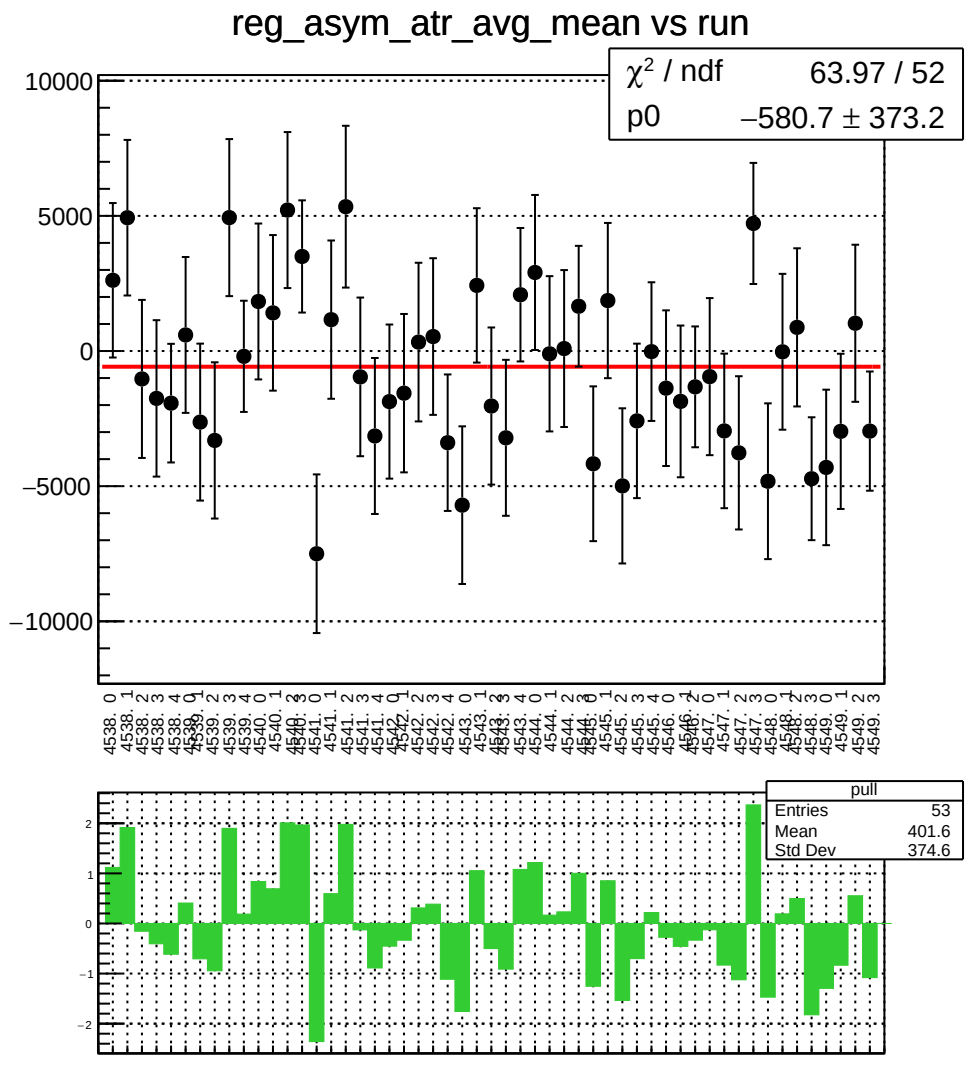

pull1D
Entries 53
Mean −0.01343
Std Dev 0.9838
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

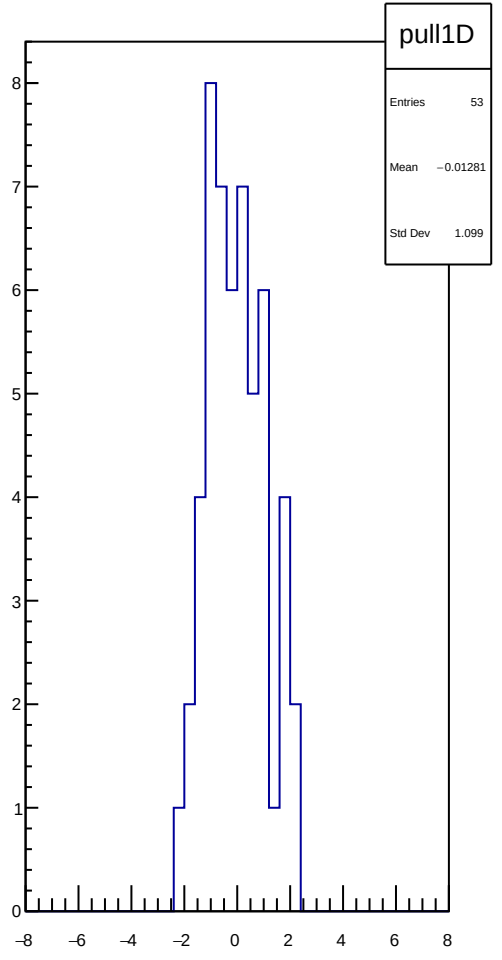

asym_atl_dd_correction_rms vs run
χ² / ndf 1269 / 52
p0 1208 ± 1.164
1300
1250
1200
1150
1100
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

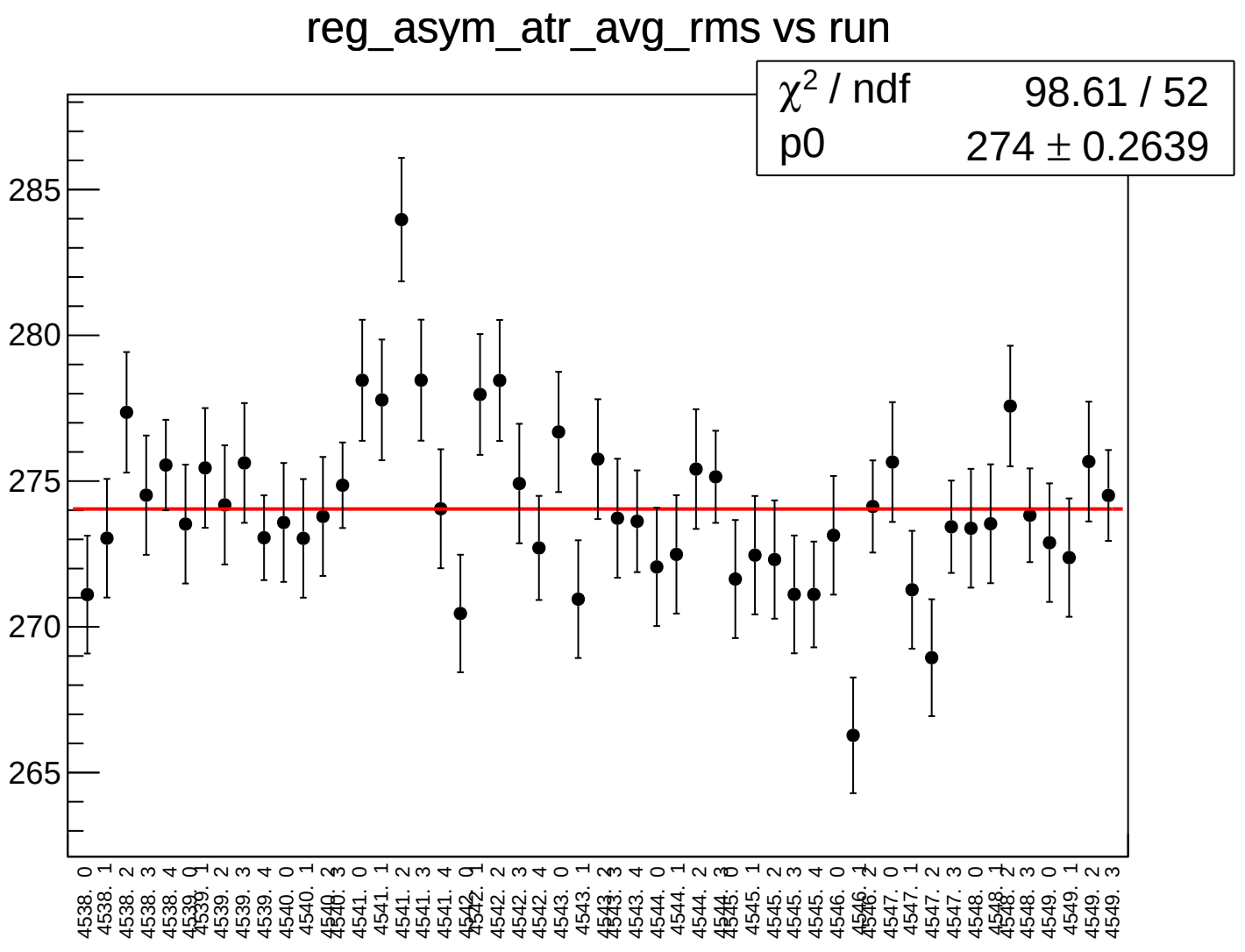

asym_atl_dd_mean vs run
χ² / ndf 61.5 / 52
p0 3705 ± 1709
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −132
Std Dev 148.5
3
2
1
0
−1
−2

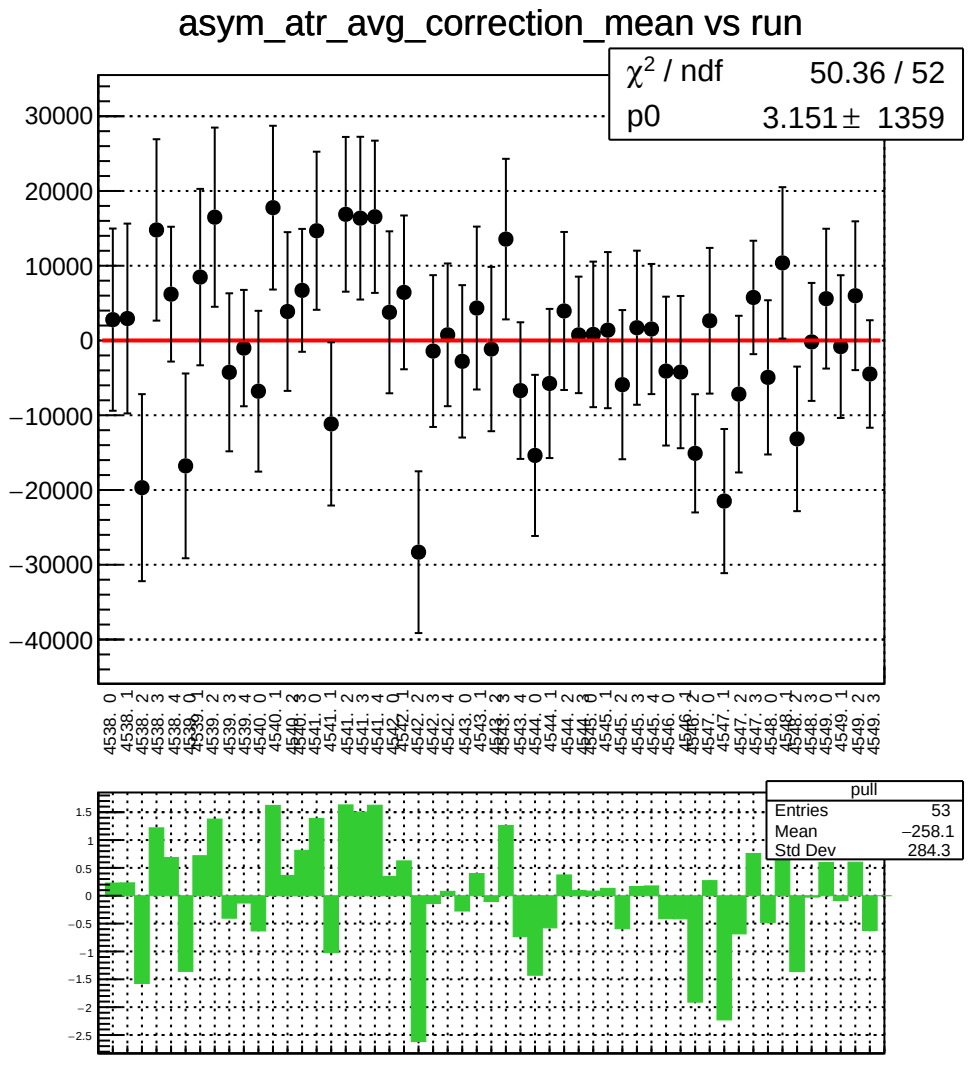

pull1D
Entries 53
Mean 0.01417
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

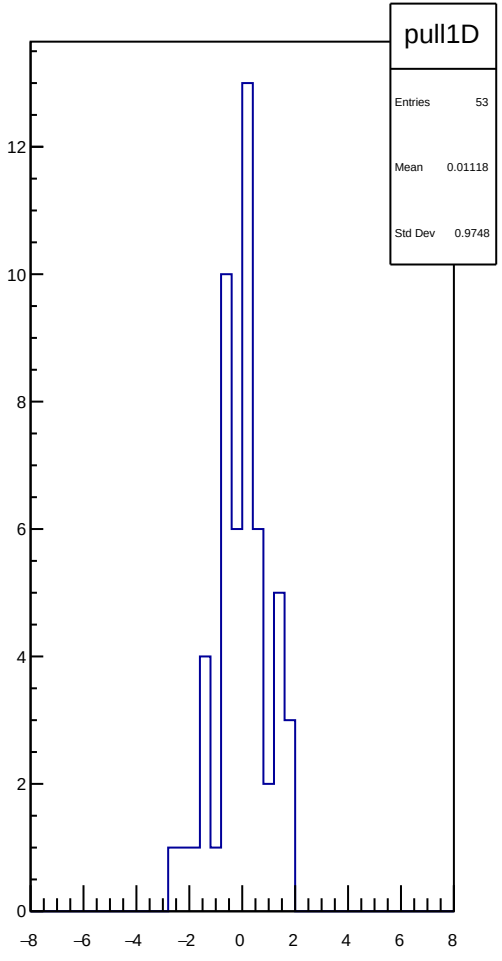

asym_atl_dd_rms vs run
χ² / ndf 1088 / 52
p0 1254 ± 1.209
1350
1300
1250
1200
1150
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

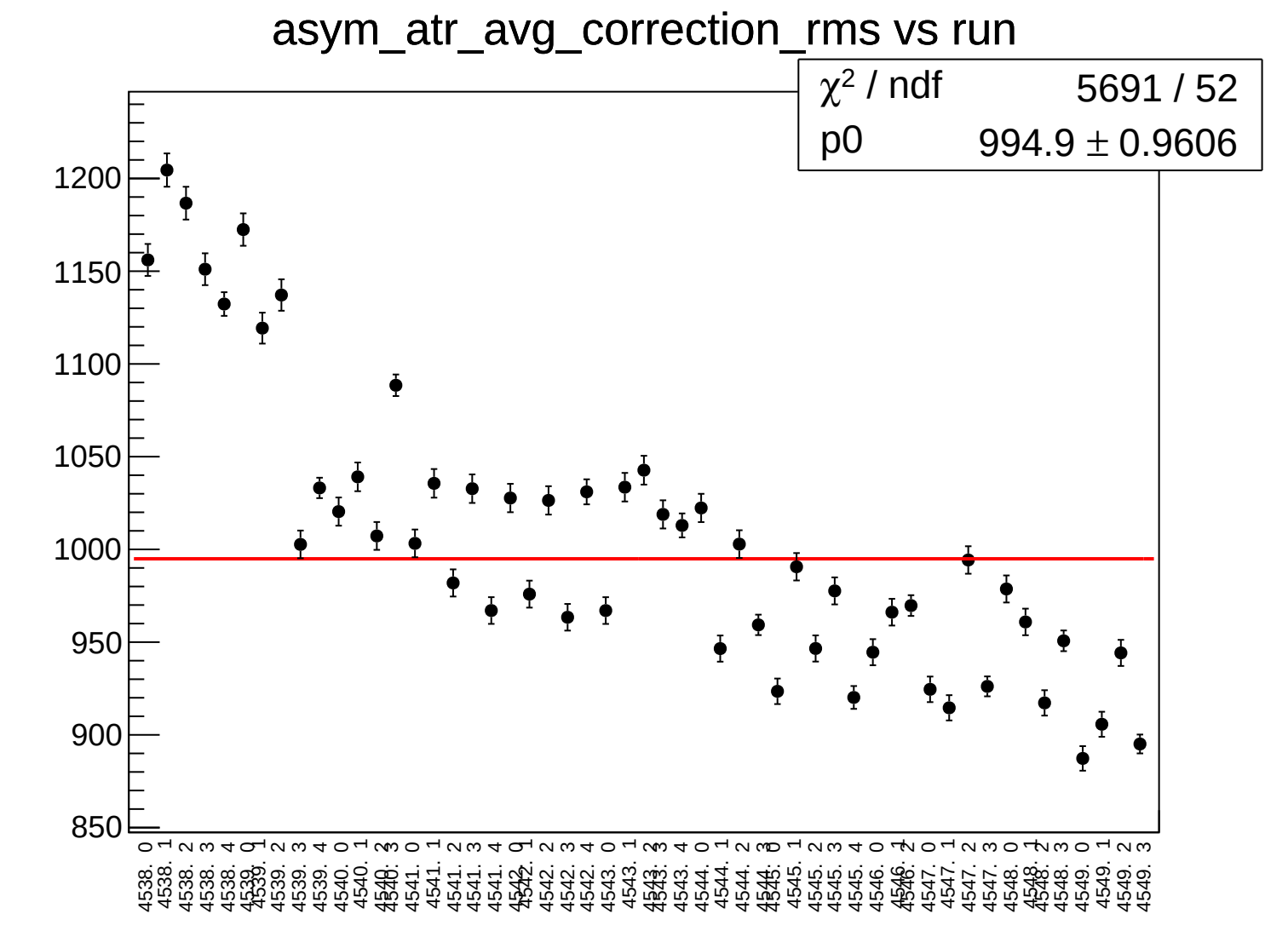

reg_asym_atr_avg_mean vs run
χ² / ndf 63.97 / 52
p0 −580.7 ± 373.2
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 401.6
Std Dev 374.6
2
1
0
−1
−2

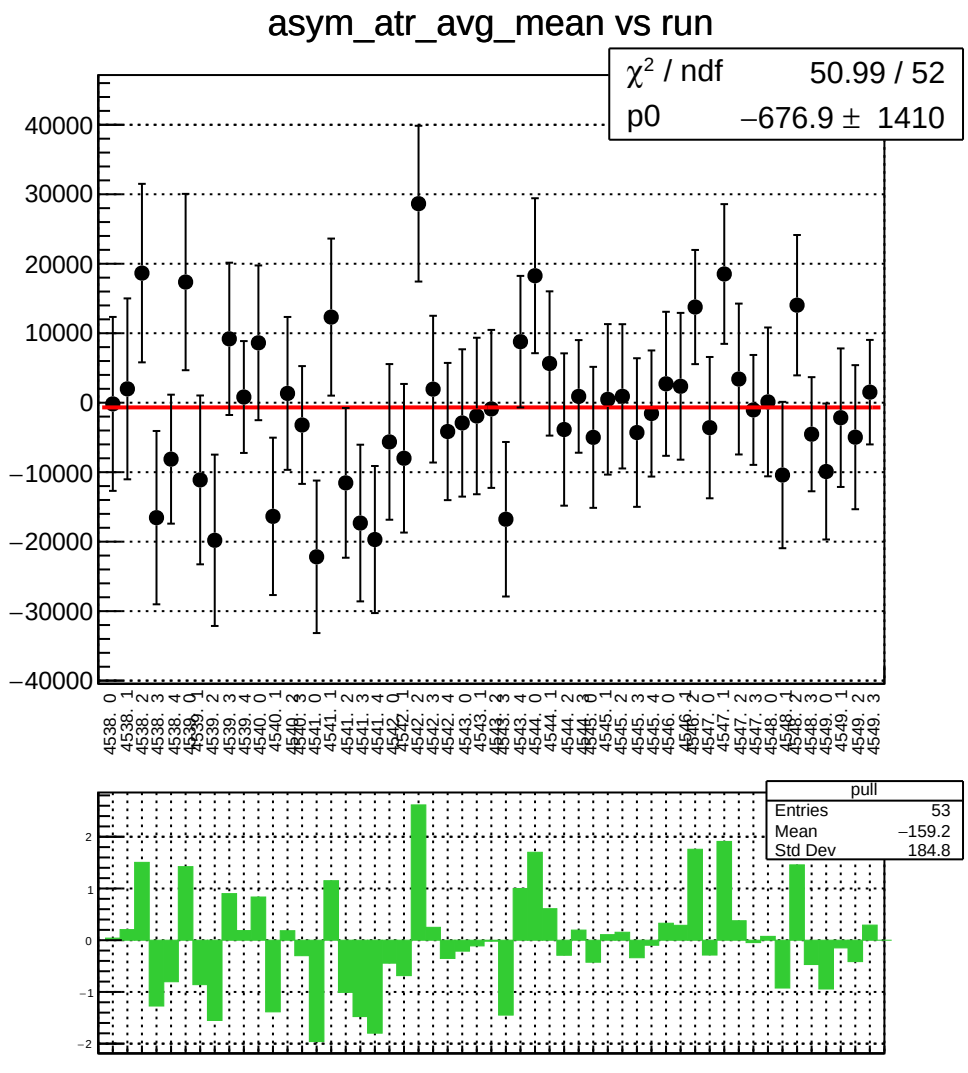

pull1D
Entries 53
Mean −0.01281
Std Dev 1.099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

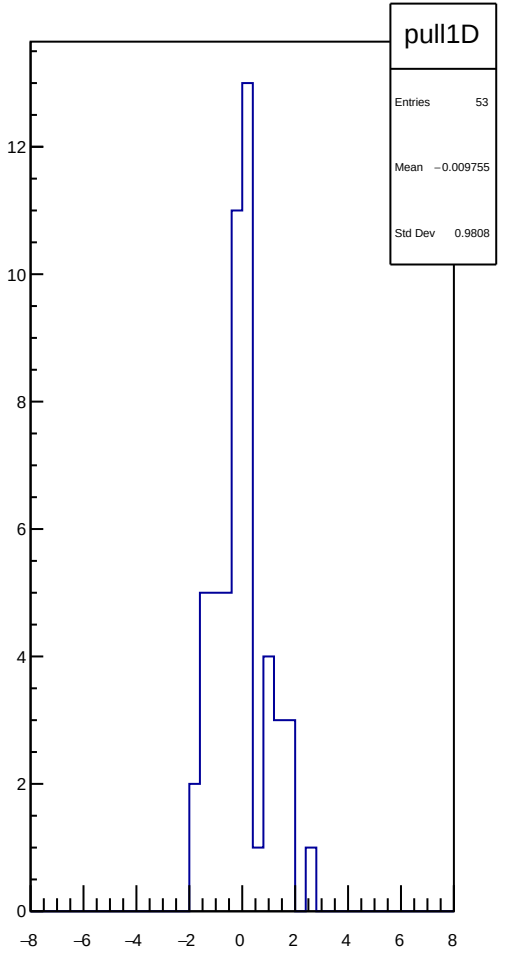

reg_asym_atr_avg_rms vs run
χ² / ndf 98.61 / 52
p0 274 ± 0.2639
285
280
275
270
265
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

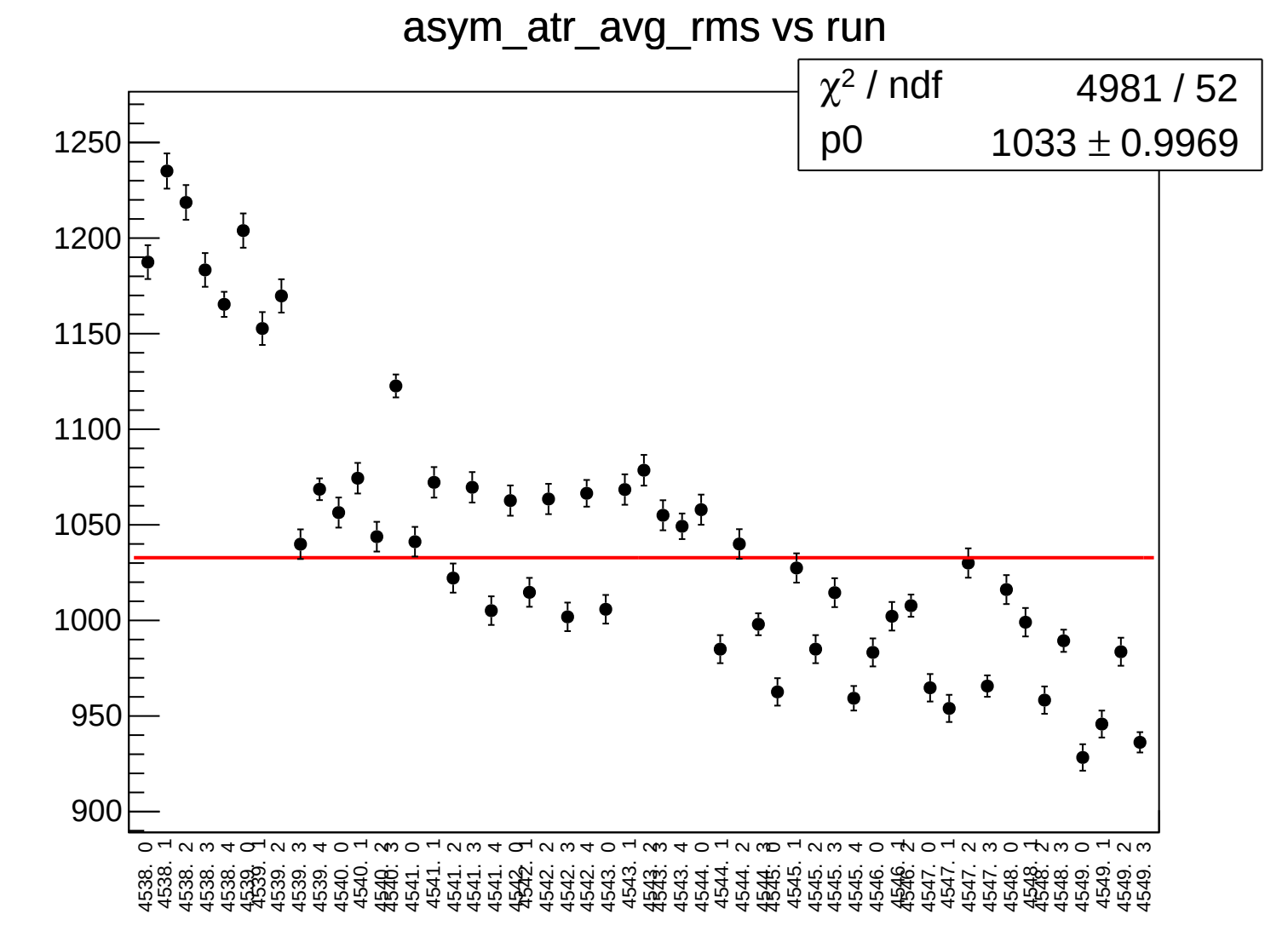

asym_atr_avg_correction_mean vs run
χ² / ndf 50.36 / 52
p0 3.151 ± 1359
pull
Entries 53
Mean −258.1
Std Dev 284.3

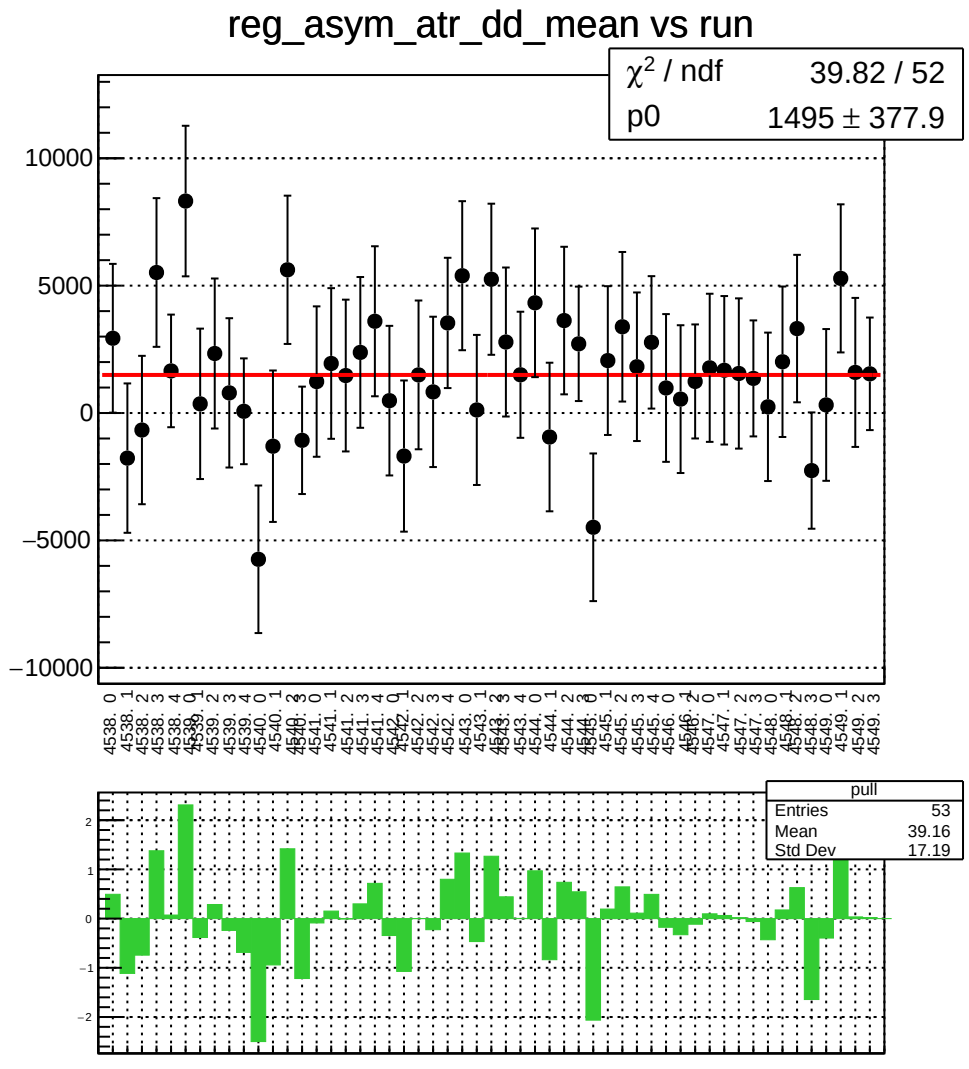

pull1D
Entries 53
Mean 0.01118
Std Dev 0.9748

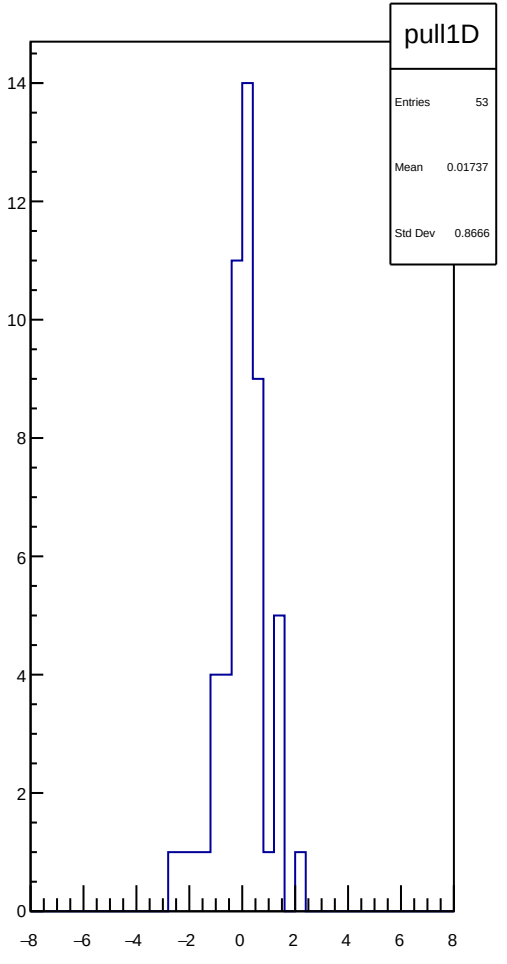

asym_atr_avg_correction_rms vs run
χ² / ndf 5691 / 52
p0 994.9 ± 0.9606
1200
1150
1100
1050
1000
950
900
850
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

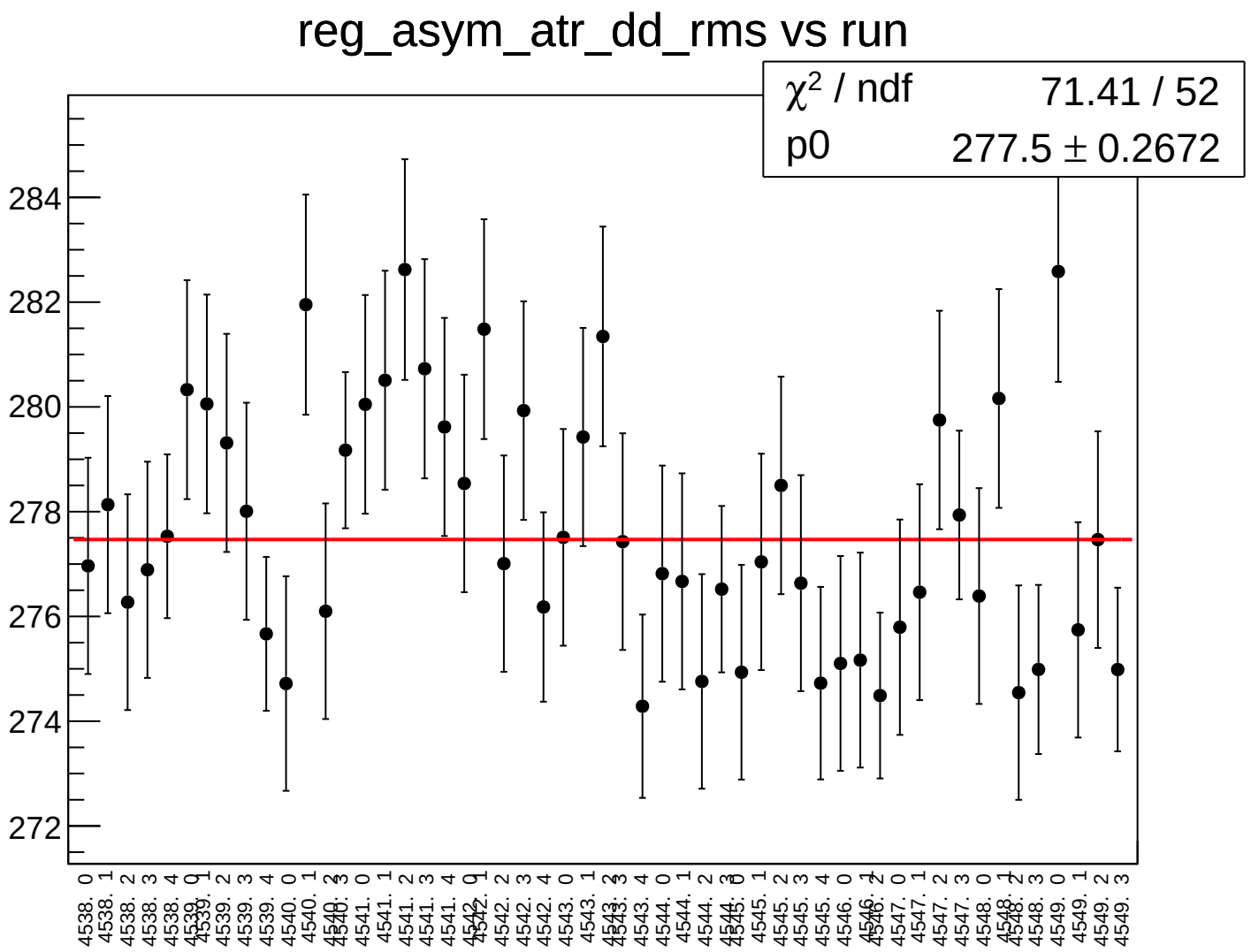

asym_atr_avg_mean vs run
χ² / ndf 50.99 / 52
p0 −676.9 ± 1410
pull
Entries 53
Mean −159.2
Std Dev 184.8

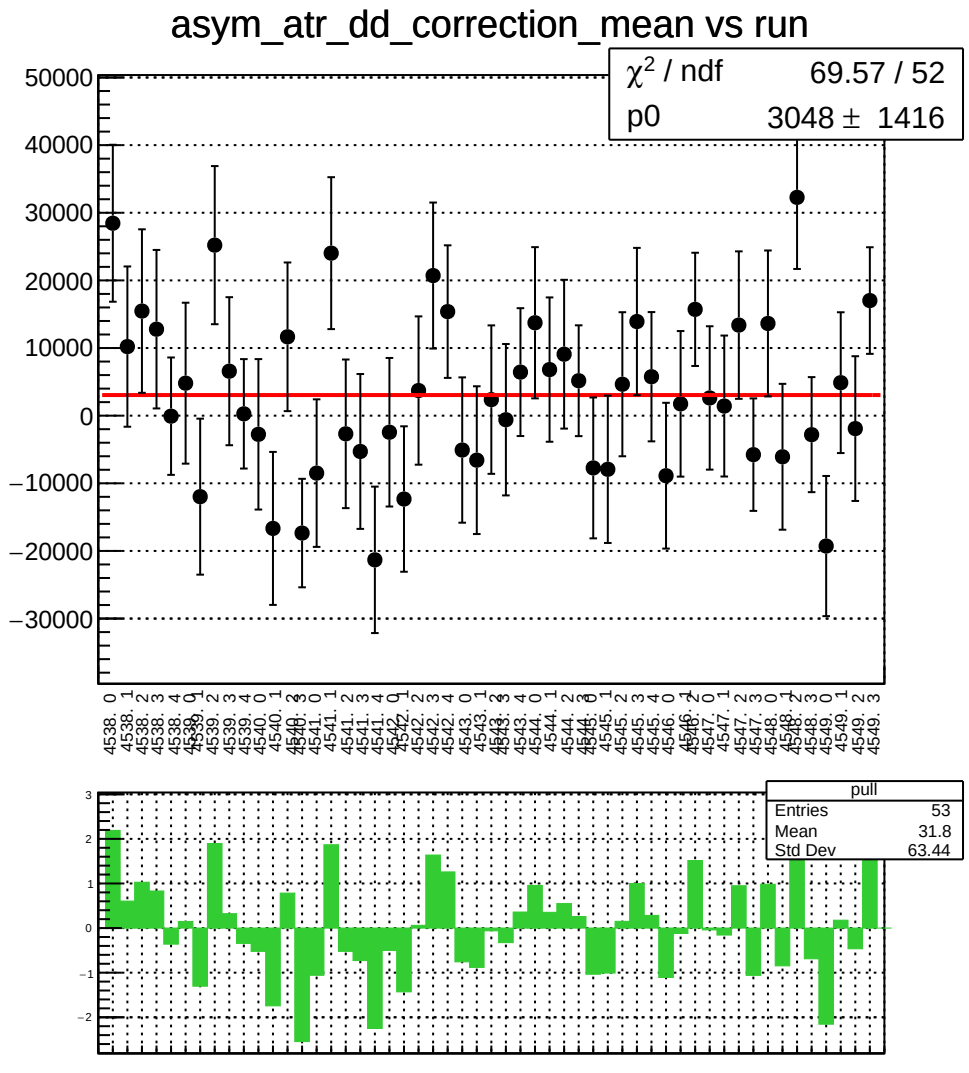

pull1D
Entries 53
Mean −0.009755
Std Dev 0.9808

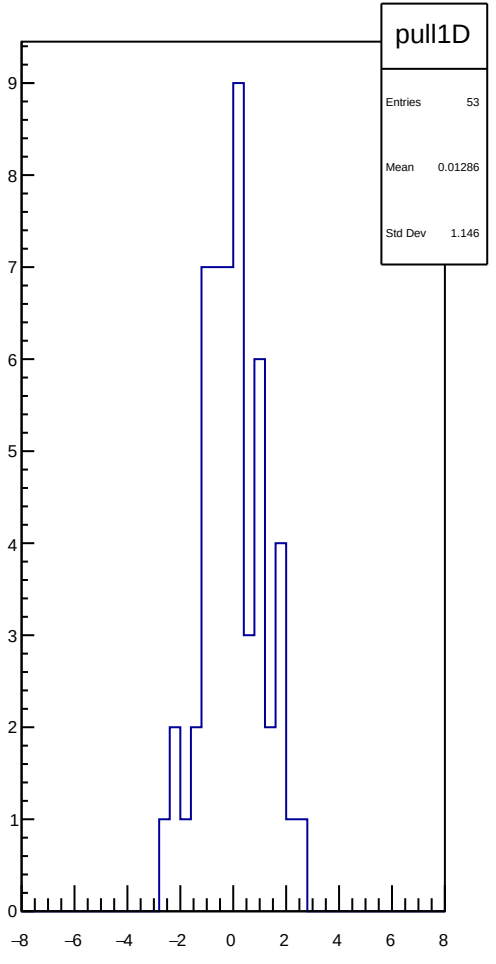

asym_atr_avg_rms vs run
χ² / ndf 4981 / 52
p0 1033 ± 0.9969
1250
1200
1150
1100
1050
1000
950
900
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

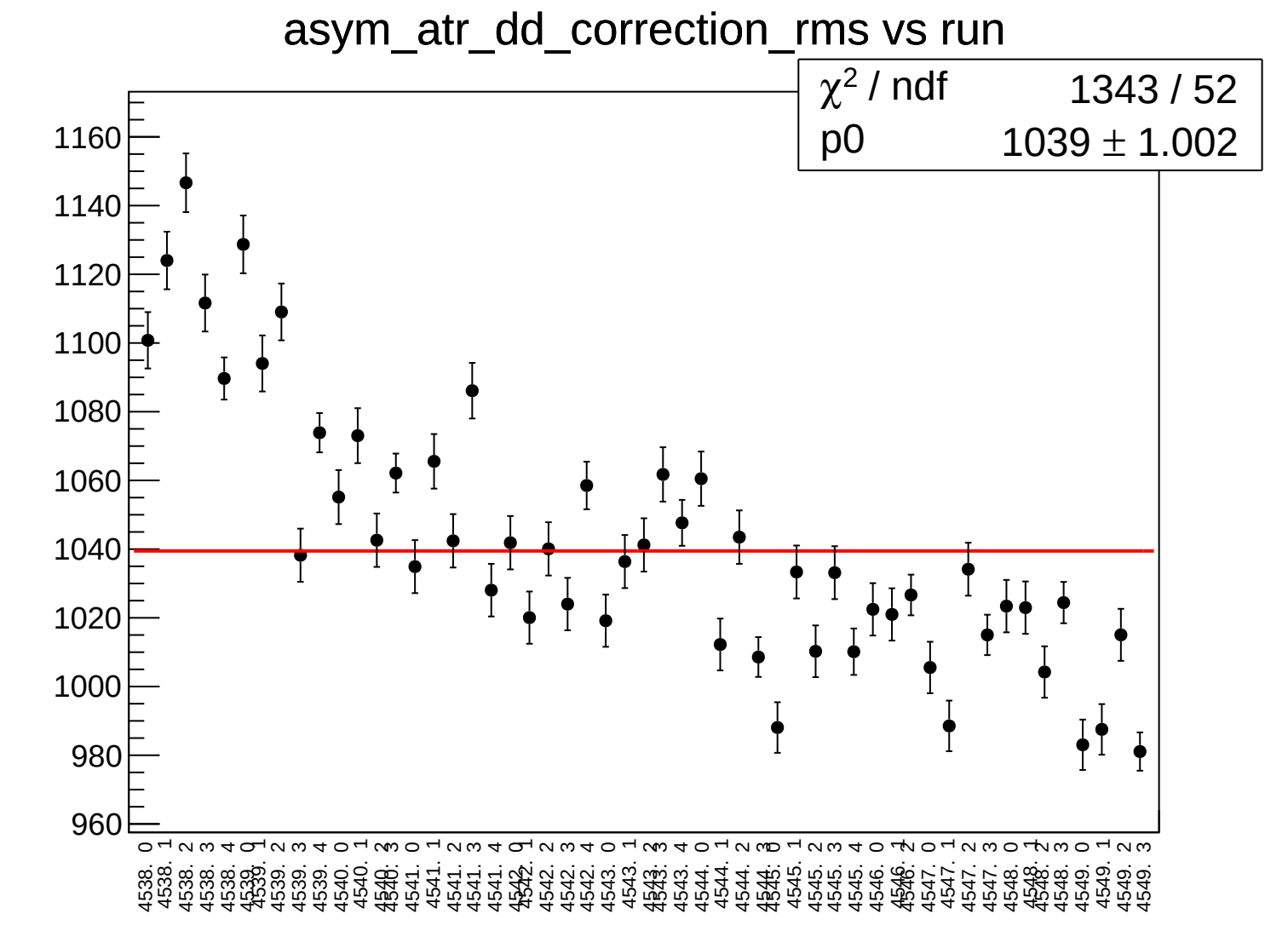

reg_asym_atr_dd_mean vs run
χ² / ndf 39.82 / 52
p0 1495 ± 377.9
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 39.16
Std Dev 17.19
2
1
0
−1
−2

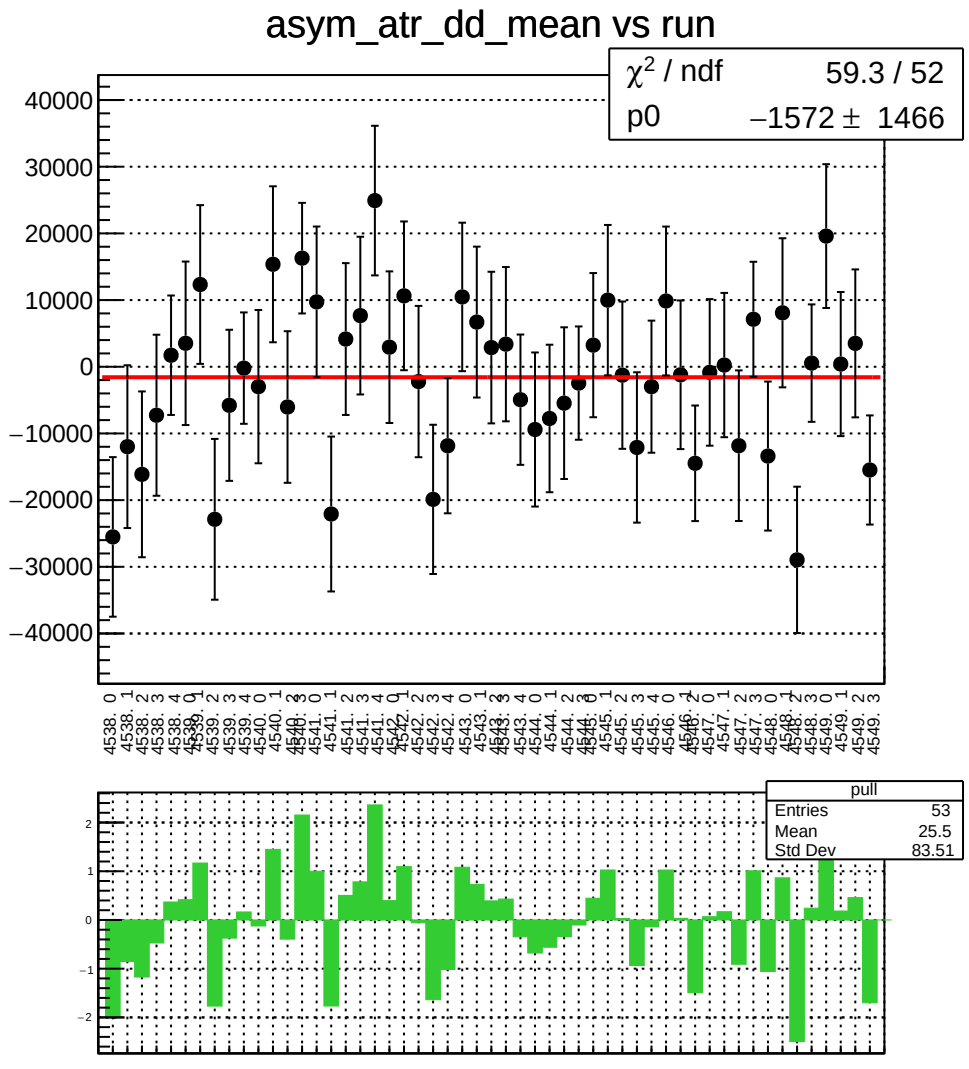

pull1D
Entries 53
Mean 0.01737
Std Dev 0.8666
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

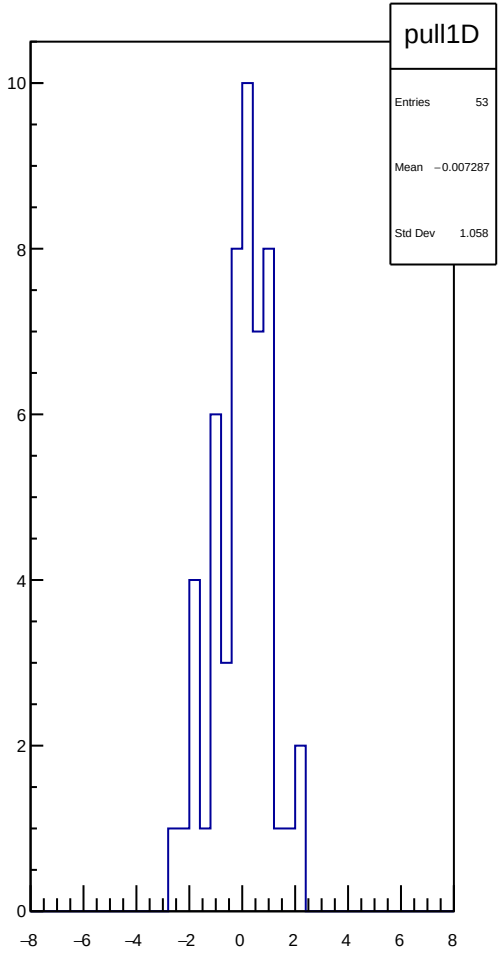

reg_asym_atr_dd_rms vs run
χ² / ndf 71.41 / 52
p0 277.5 ± 0.2672
284
282
280
278
276
274
272
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

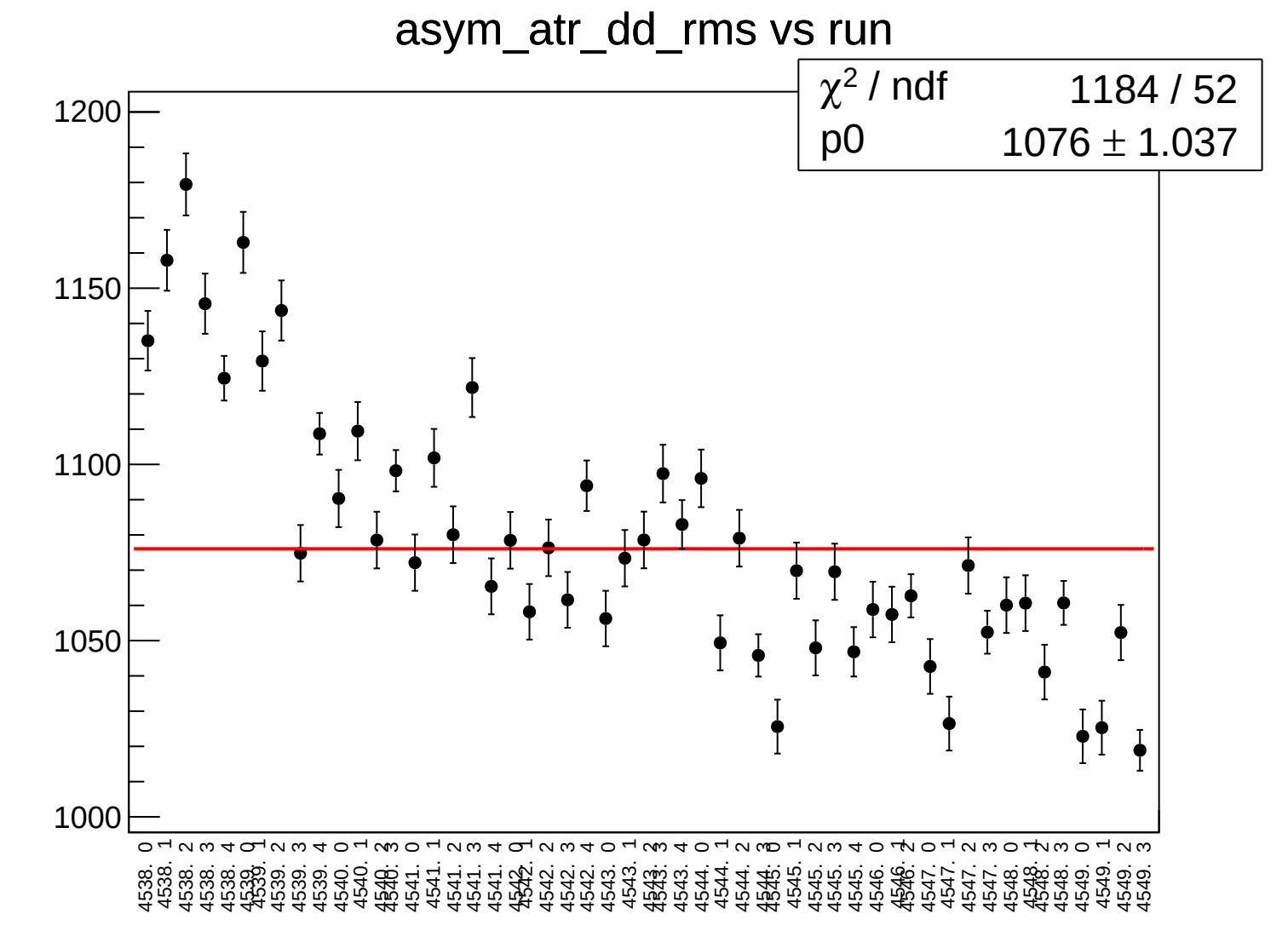

asym_atr_dd_correction_mean vs run
χ² / ndf 69.57 / 52
p0 3048 ± 1416
pull
Entries 53
Mean 31.8
Std Dev 63.44

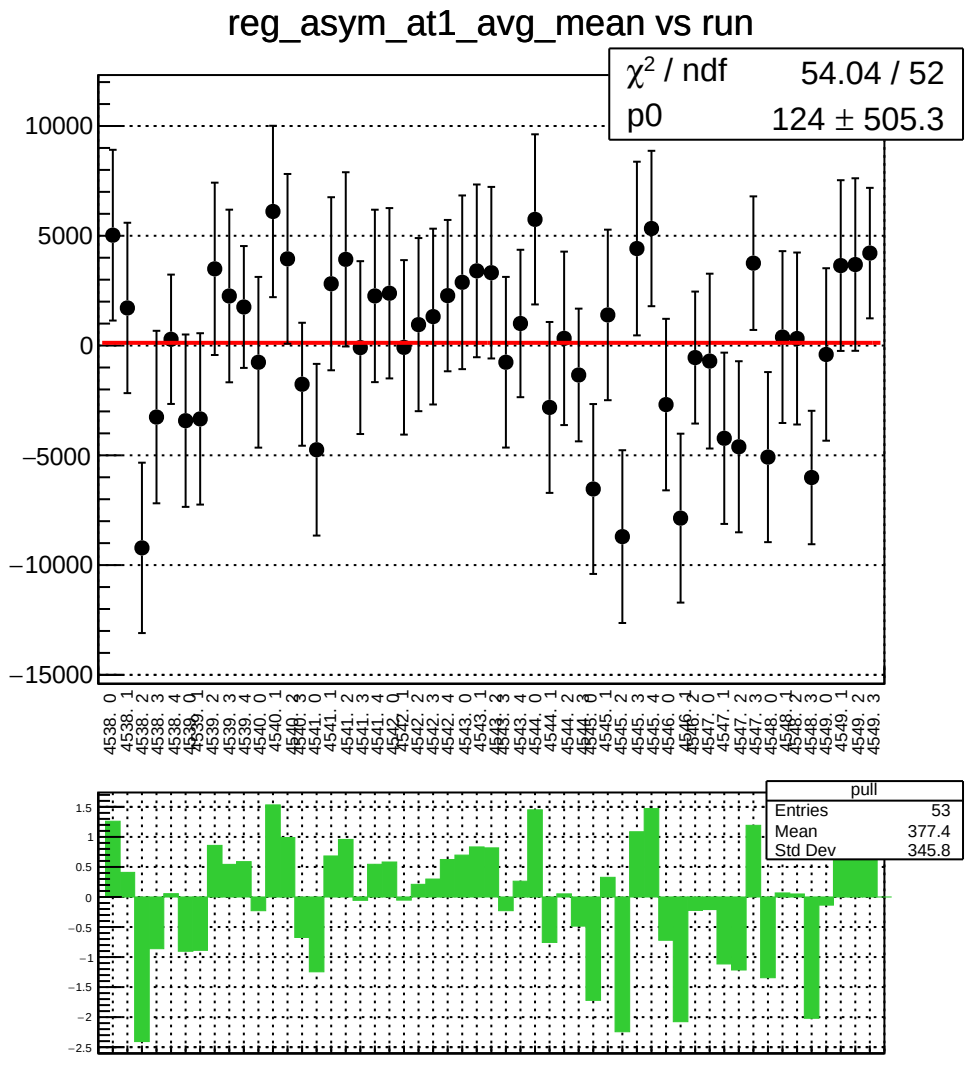

pull1D
Entries 53
Mean 0.01286
Std Dev 1.146

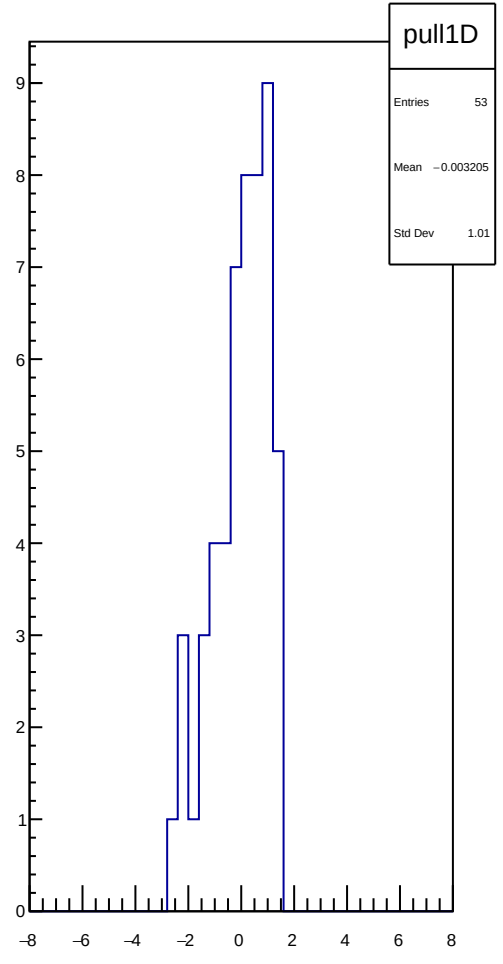

asym_atr_dd_correction_rms vs run
χ² / ndf 1343 / 52
p0 1039 ± 1.002
1160
1140
1120
1100
1080
1060
1040
1020
1000
980
960
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

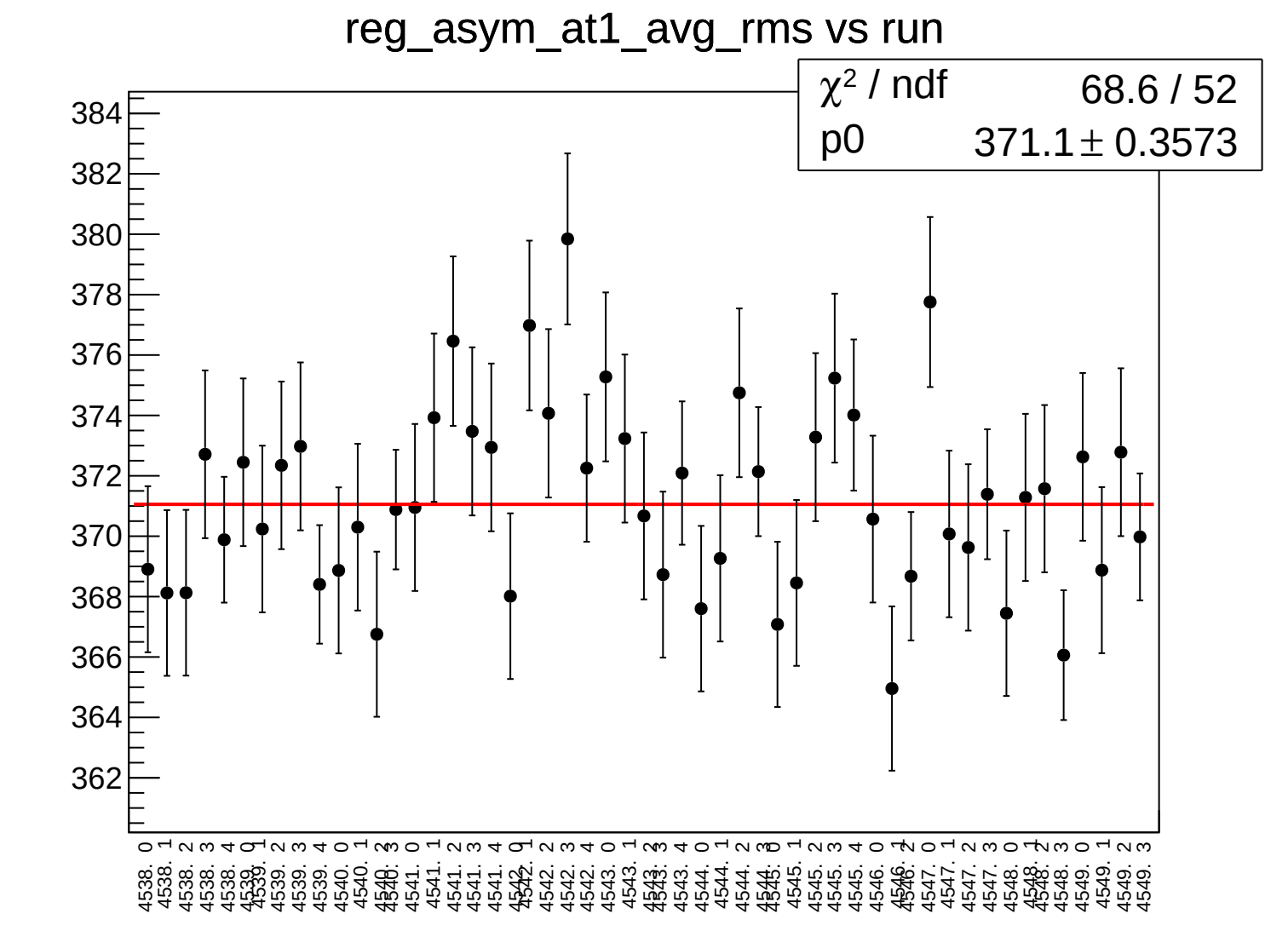

asym_atr_dd_mean vs run
χ² / ndf 59.3 / 52
p0 −1572 ± 1466
pull
Entries 53
Mean 25.5
Std Dev 83.51

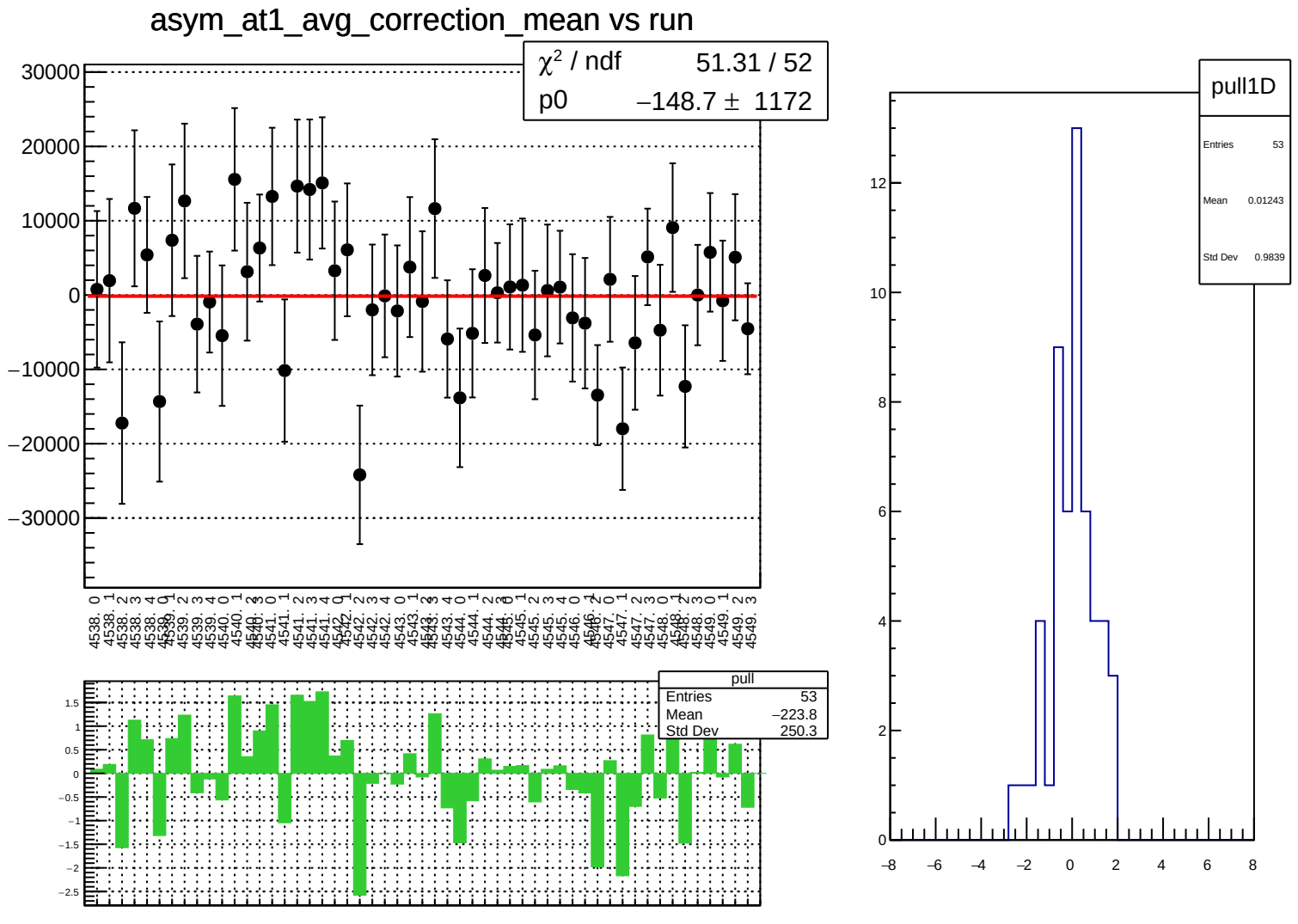

pull1D
Entries 53
Mean −0.007287
Std Dev 1.058

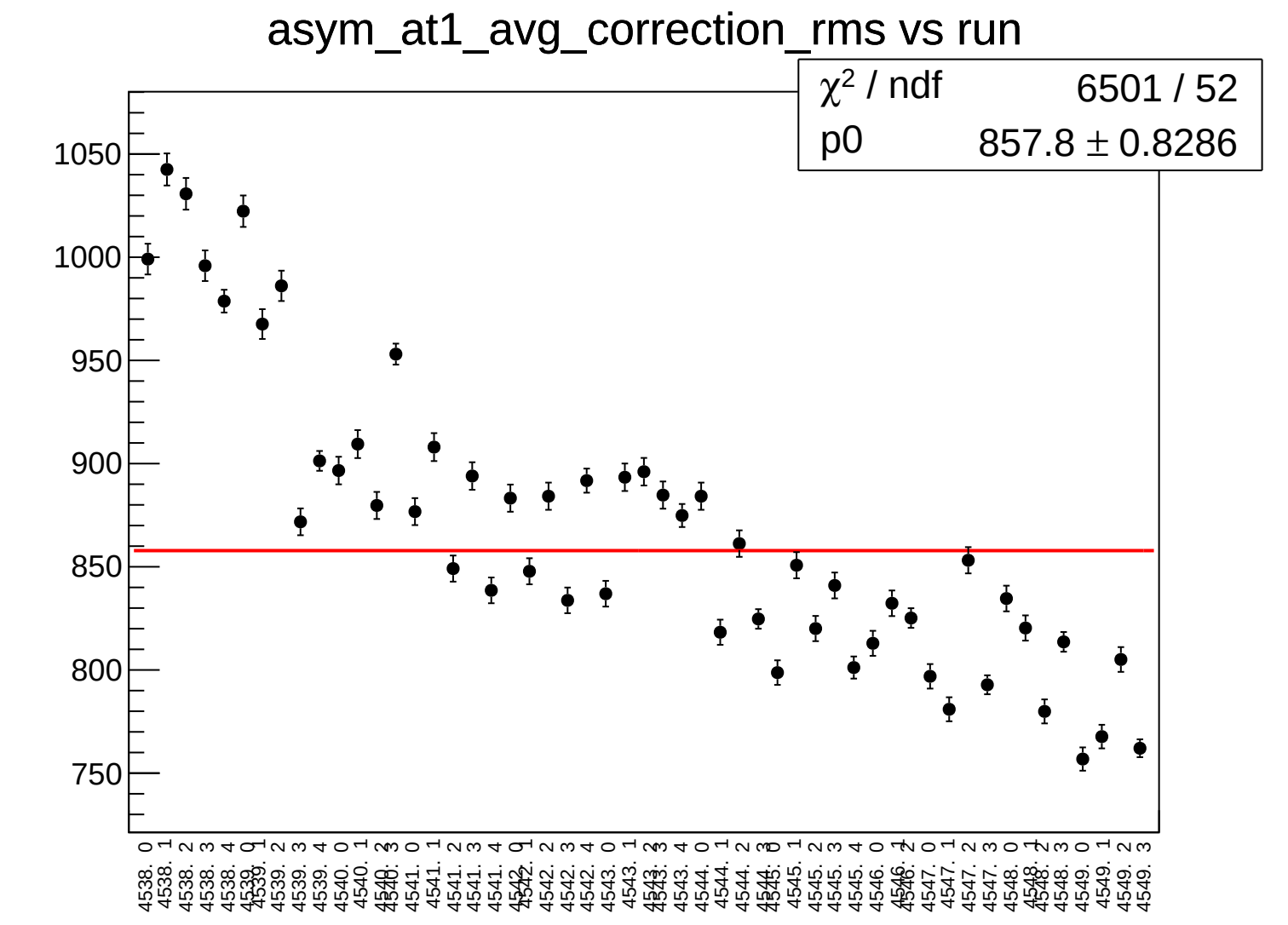

asym_atr_dd_rms vs run
χ² / ndf 1184 / 52
p0 1076 ± 1.037
1200
1150
1100
1050
1000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

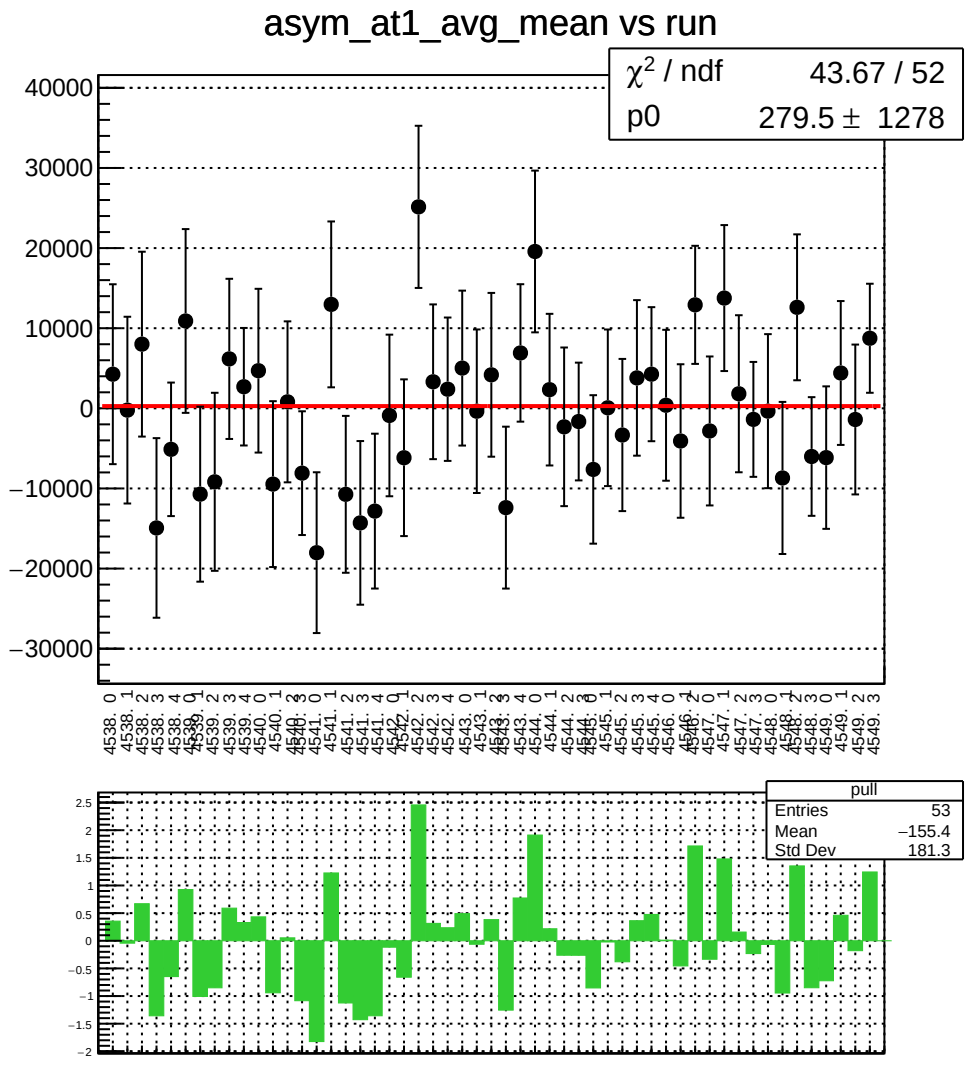

reg_asym_at1_avg_mean vs run
χ² / ndf 54.04 / 52
p0 124 ± 505.3
pull
Entries 53
Mean 377.4
Std Dev 345.8

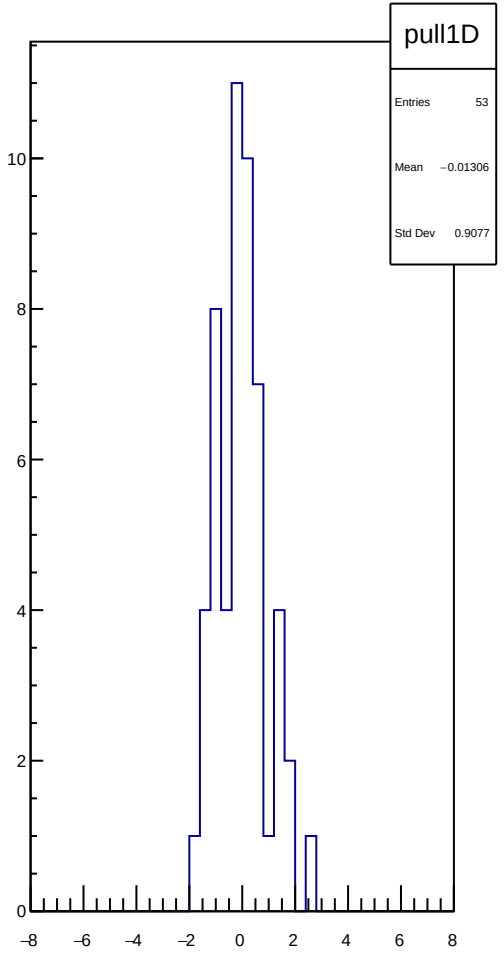

pull1D
Entries 53
Mean −0.003205
Std Dev 1.01

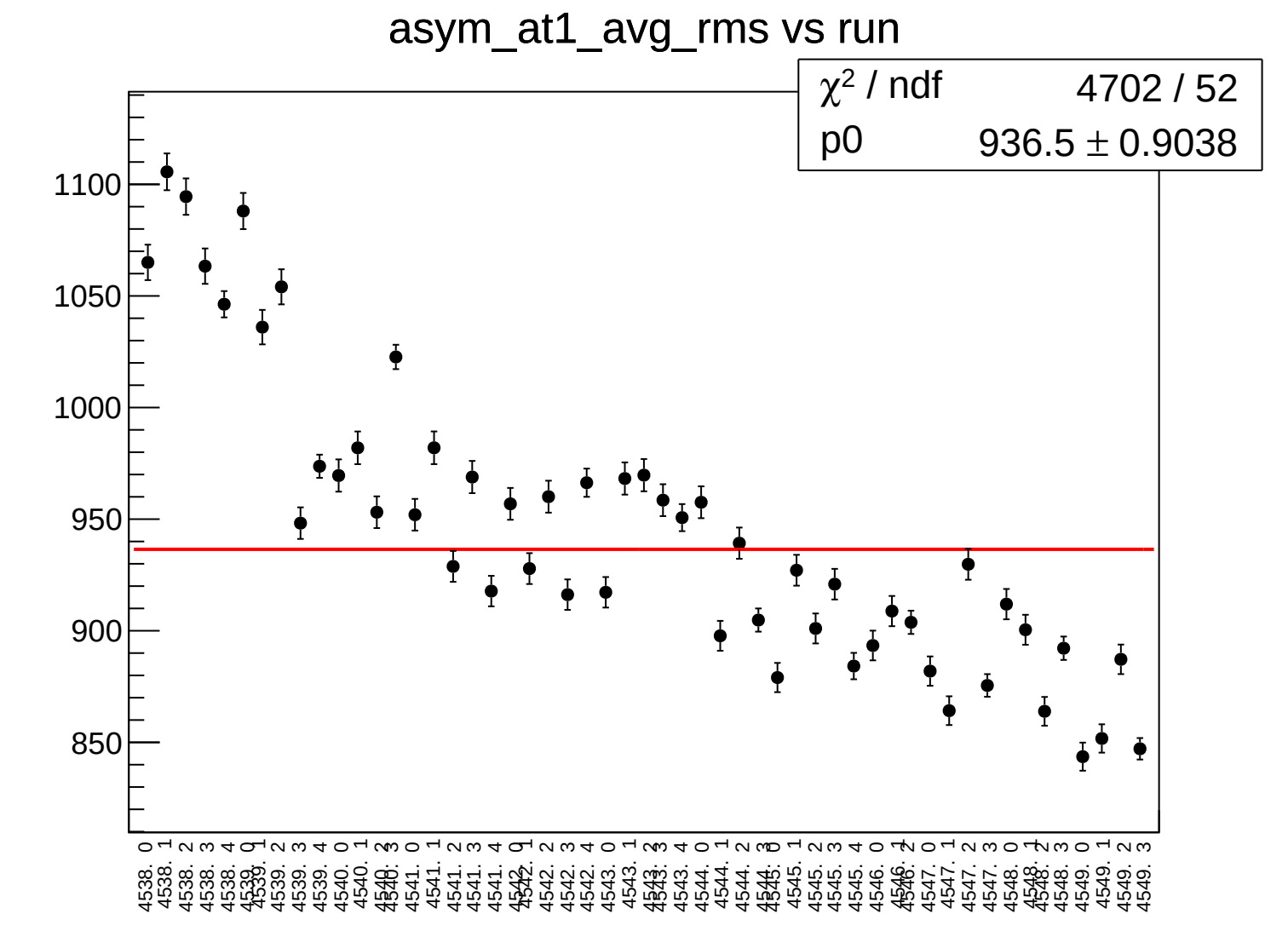

reg_asym_at1_avg_rms vs run
χ² / ndf 68.6 / 52
p0 371.1 ± 0.3573
384
382
380
378
376
374
372
370
368
366
364
362
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

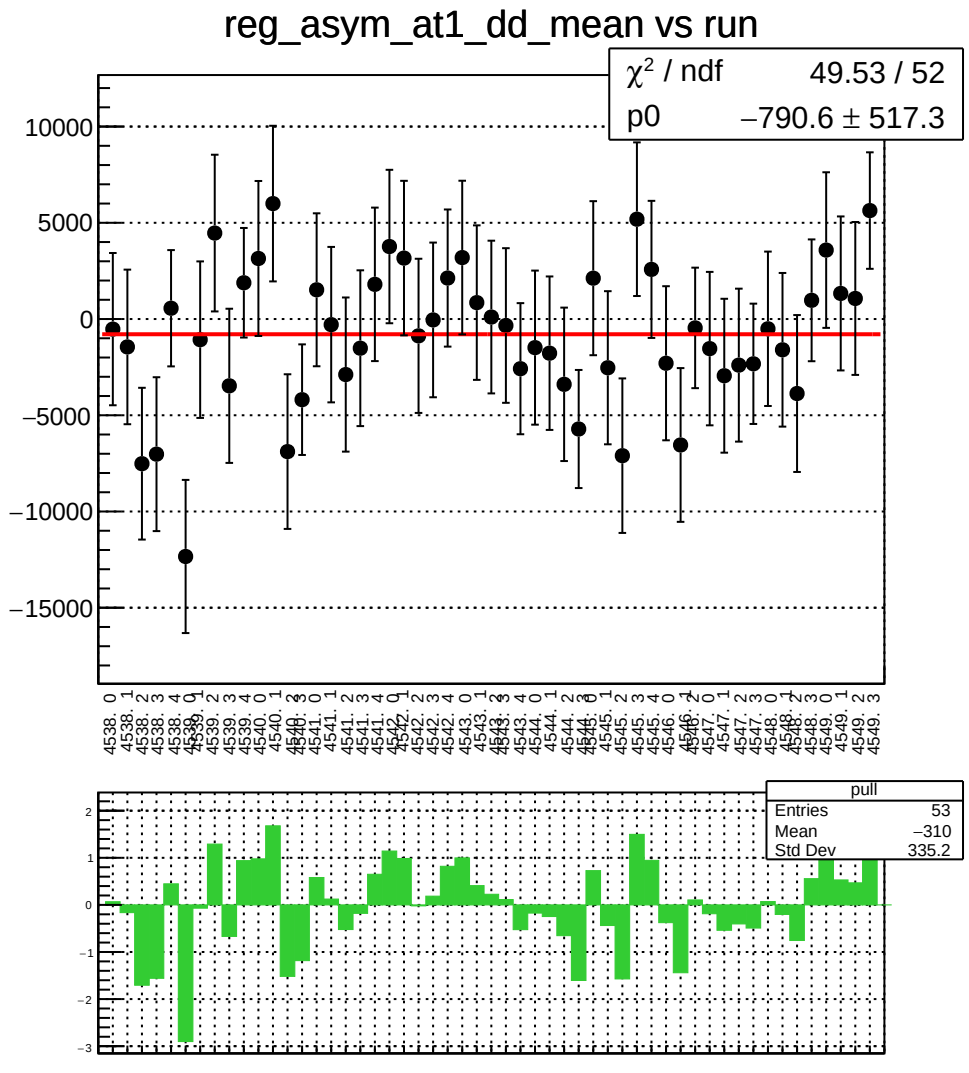

asym_at1_avg_correction_mean vs run
χ² / ndf 51.31 / 52
p0 −148.7 ± 1172
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −223.8
Std Dev 250.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 53
Mean 0.01243
Std Dev 0.9839
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

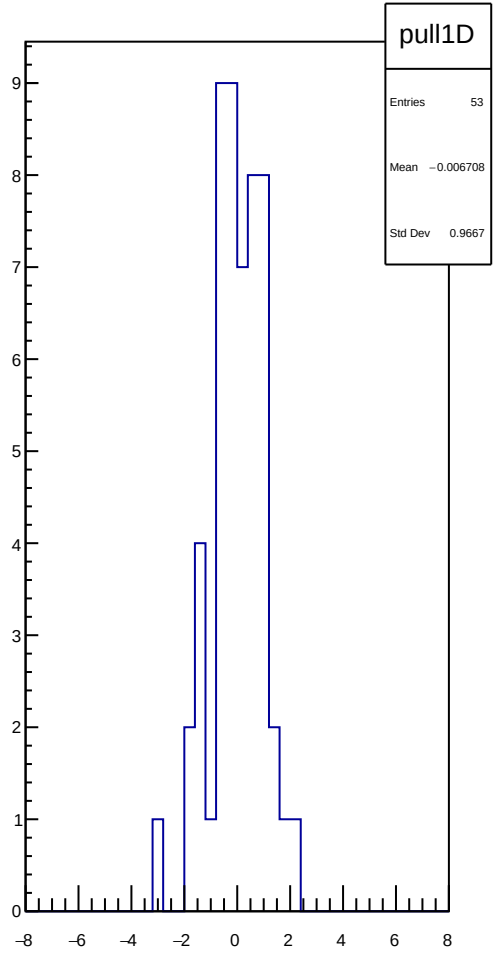

asym_at1_avg_correction_rms vs run
χ² / ndf 6501 / 52
p0 857.8 ± 0.8286
1050
1000
950
900
850
800
750
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

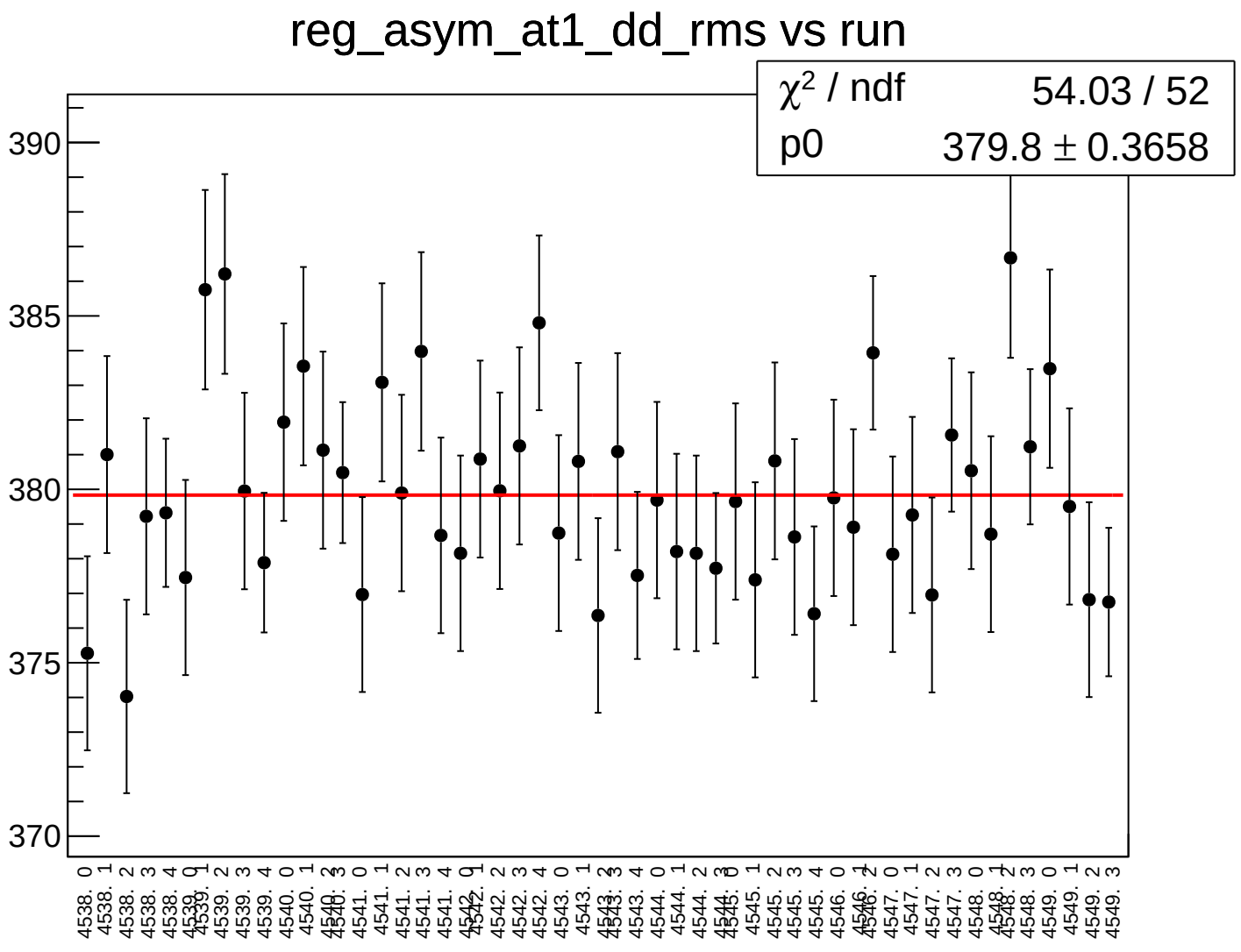

asym_at1_avg_mean vs run
χ² / ndf 43.67 / 52
p0 279.5 ± 1278
pull
Entries 53
Mean −155.4
Std Dev 181.3

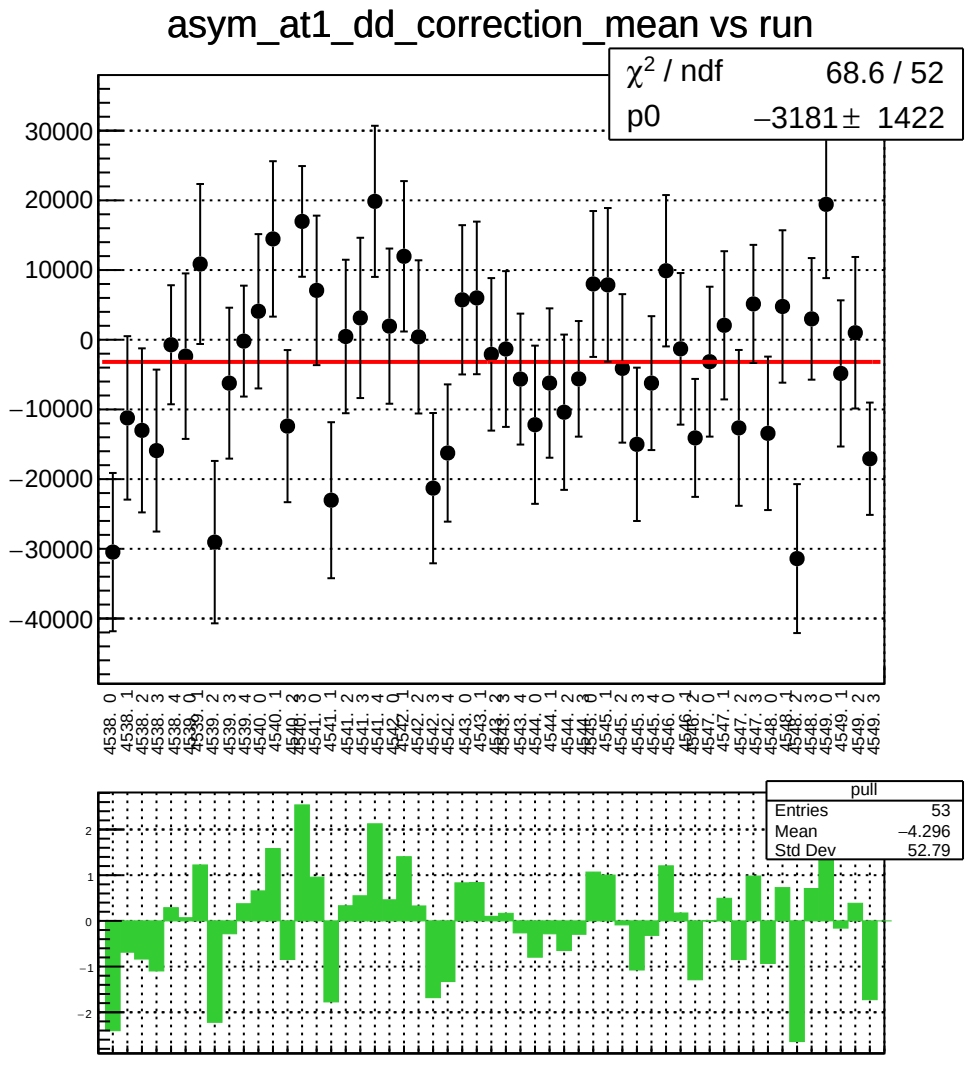

pull1D
Entries 53
Mean −0.01306
Std Dev 0.9077

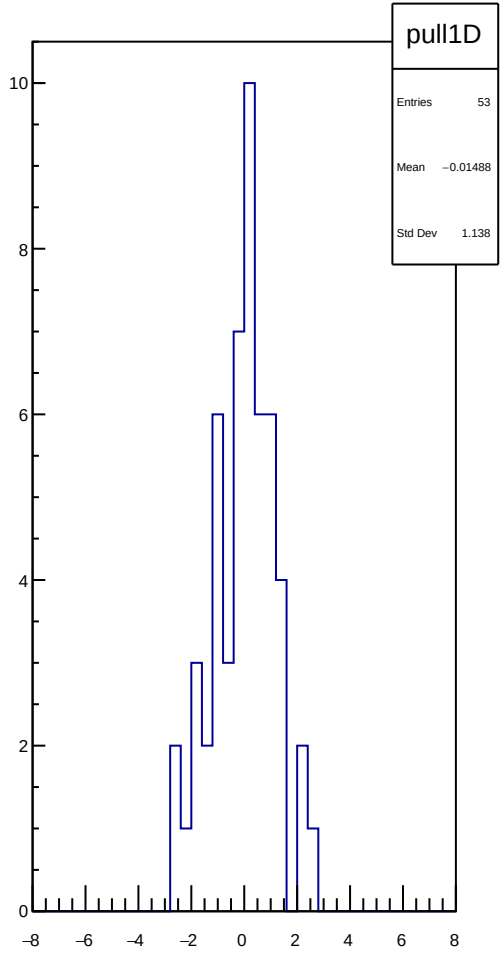

asym_at1_avg_rms vs run
χ² / ndf 4702 / 52
p0 936.5 ± 0.9038
1100
1050
1000
950
900
850
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

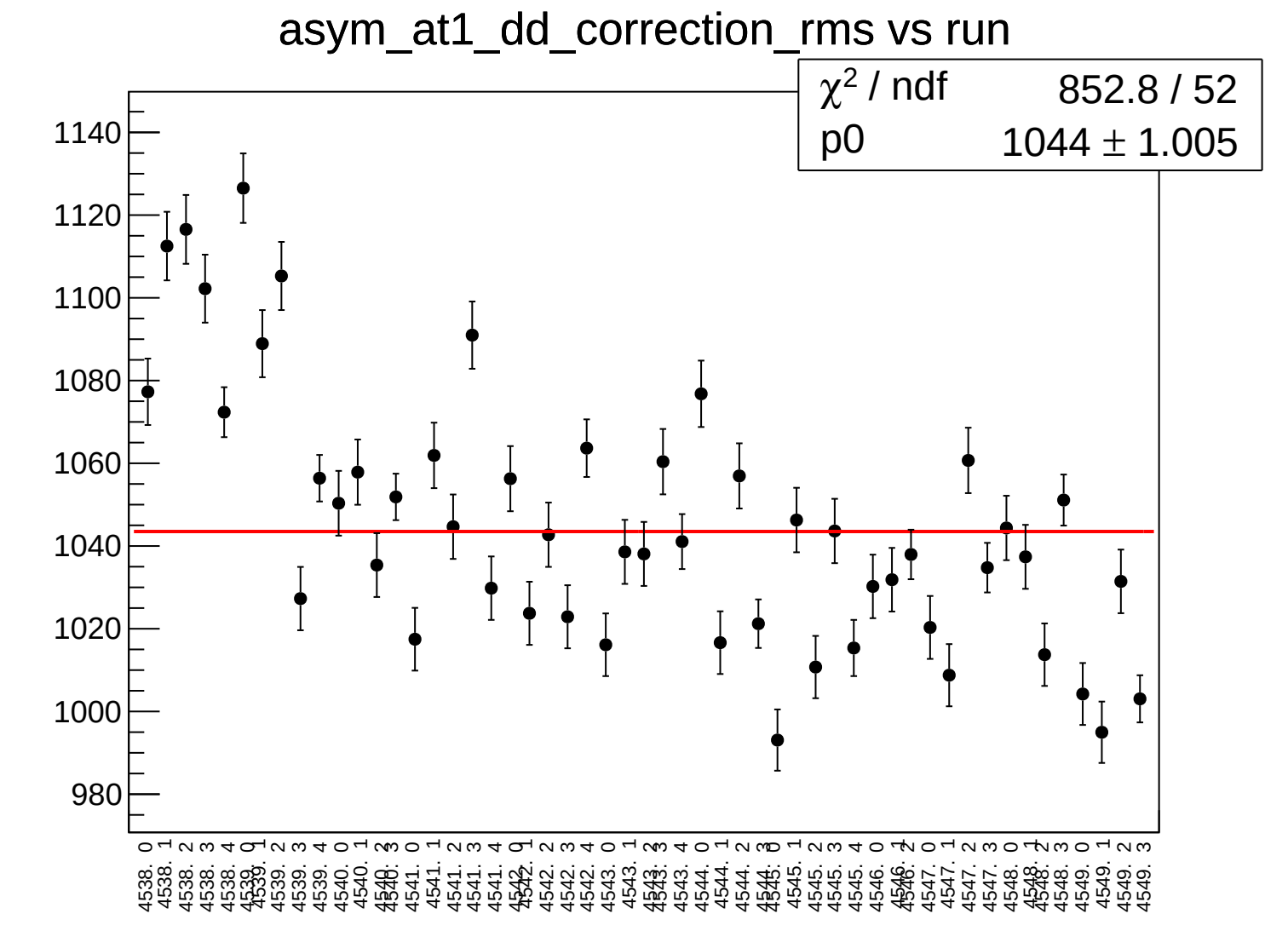

reg_asym_at1_dd_mean vs run
χ² / ndf 49.53 / 52
p0 −790.6 ± 517.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −310
Std Dev 335.2
2
1
0
−1
−2
−3

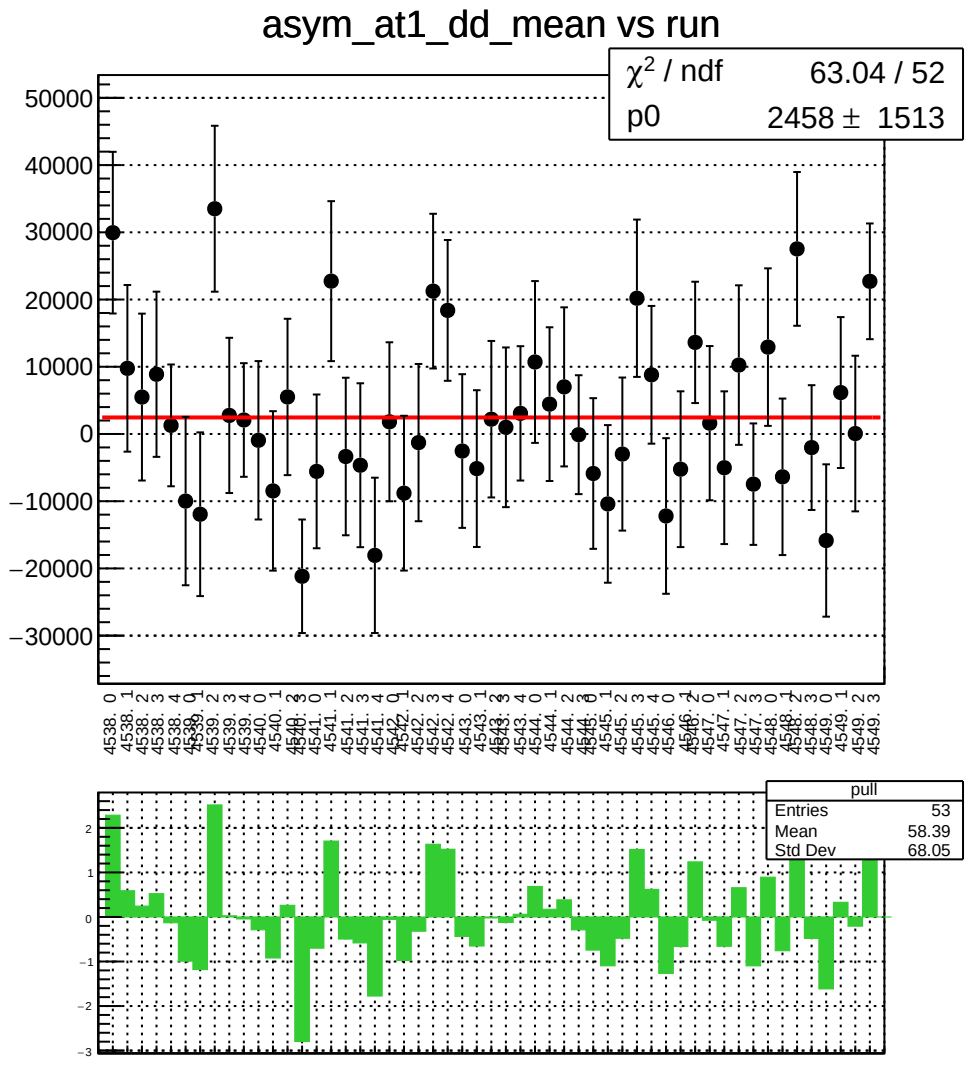

pull1D
Entries 53
Mean −0.006708
Std Dev 0.9667
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

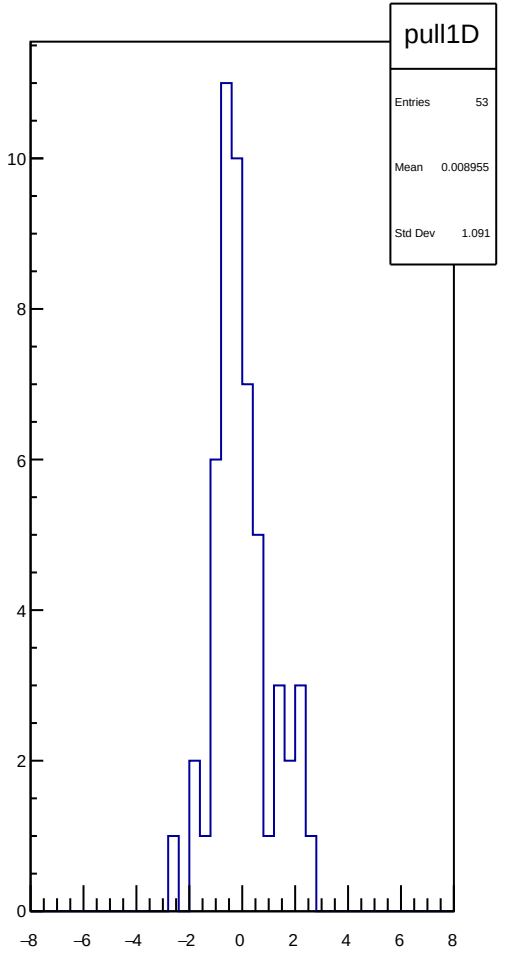

reg_asym_at1_dd_rms vs run
χ² / ndf 54.03 / 52
p0 379.8 ± 0.3658
390
385
380
375
370
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

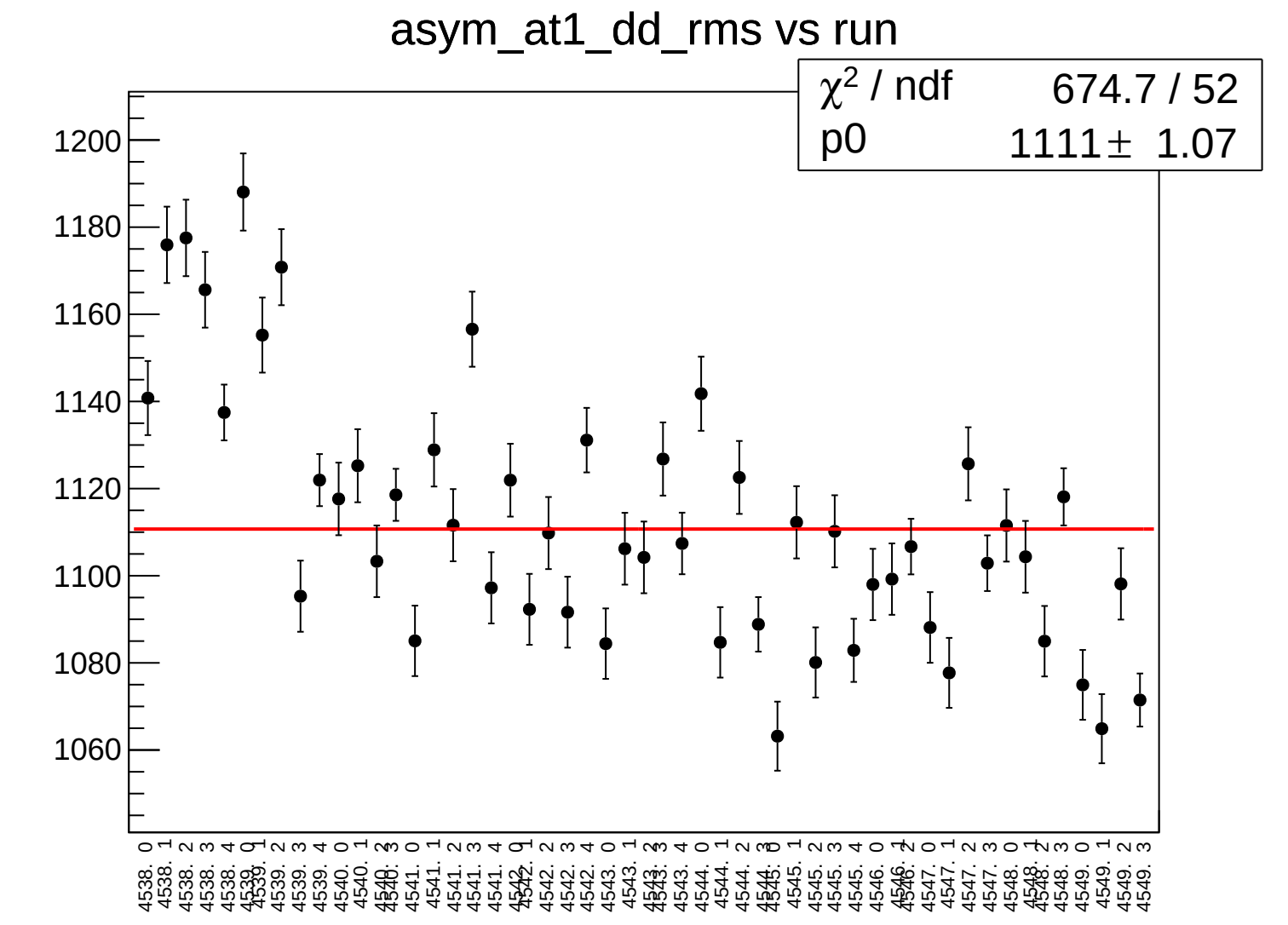

asym_at1_dd_correction_mean vs run
χ² / ndf 68.6 / 52
p0 −3181 ± 1422
pull
Entries 53
Mean −4.296
Std Dev 52.79

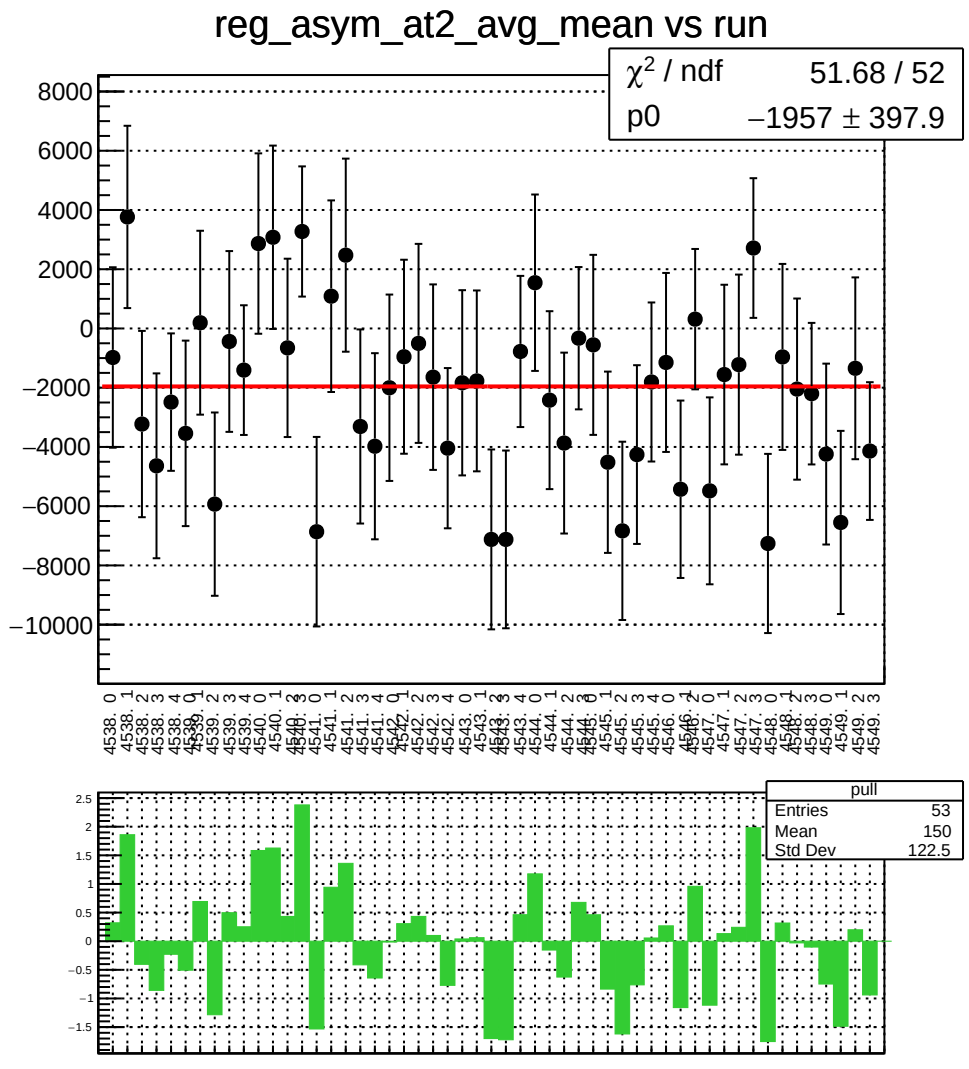

pull1D
Entries 53
Mean −0.01488
Std Dev 1.138

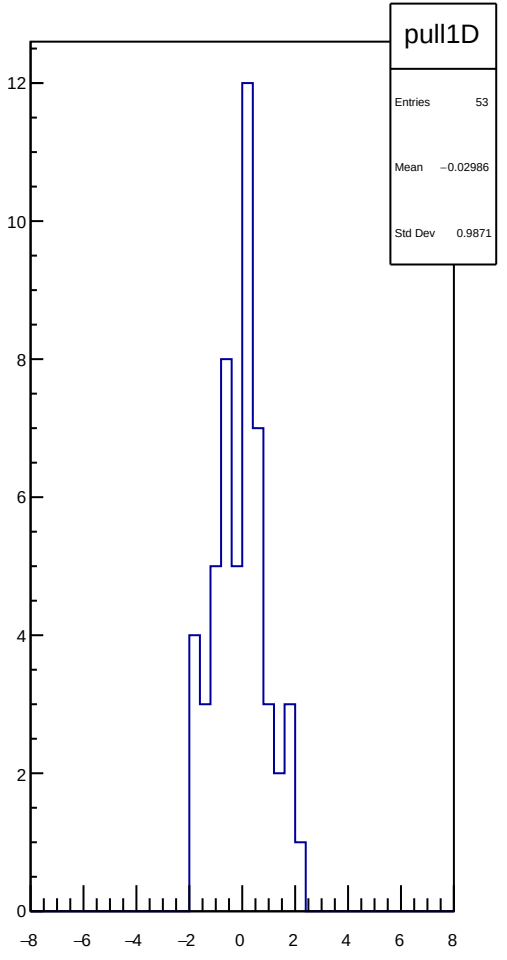

asym_at1_dd_correction_rms vs run
χ² / ndf 852.8 / 52
p0 1044 ± 1.005
1140
1120
1100
1080
1060
1040
1020
1000
980
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

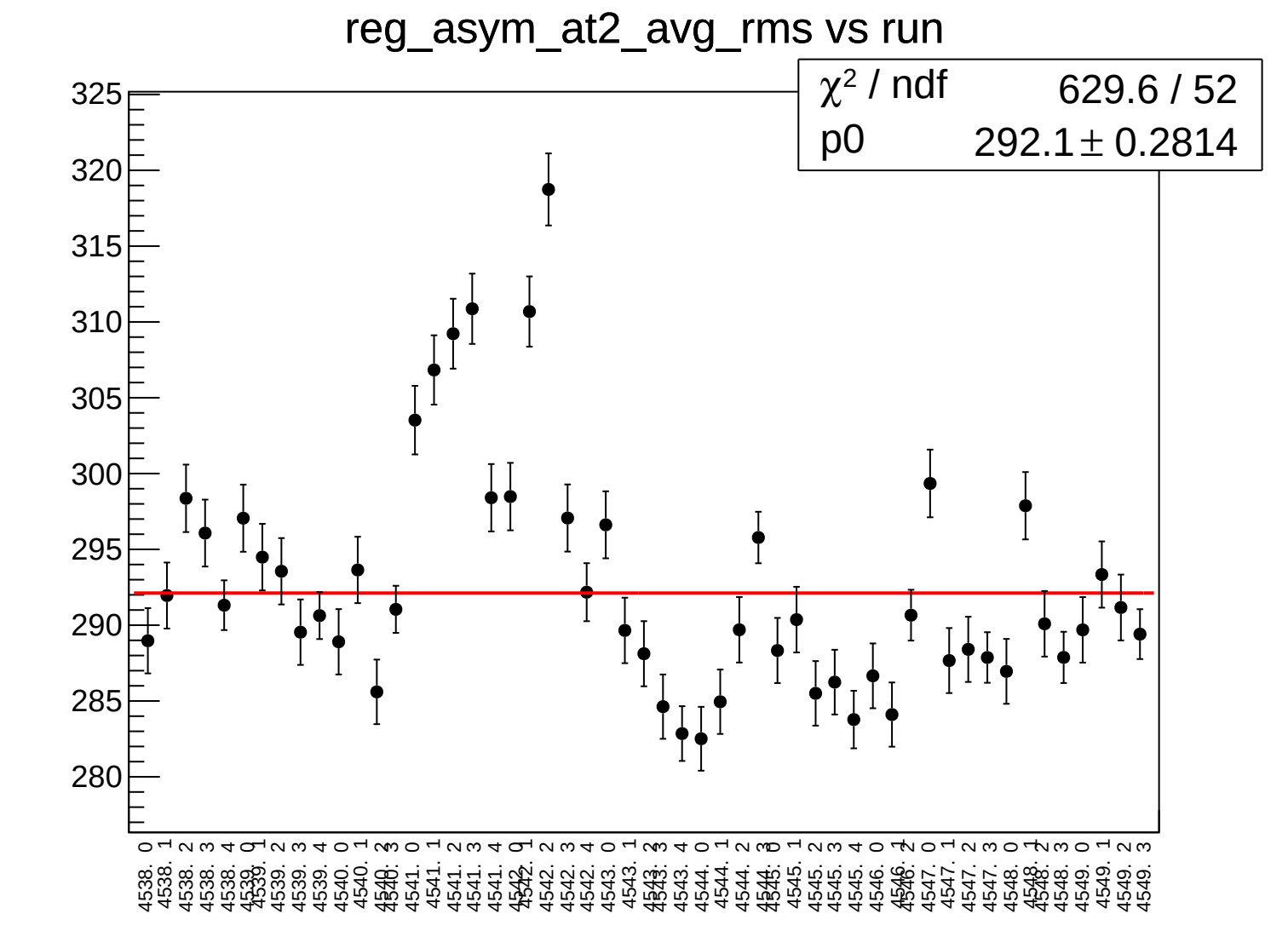

asym_at1_dd_mean vs run
χ² / ndf 63.04 / 52
p0 2458 ± 1513
pull
Entries 53
Mean 58.39
Std Dev 68.05

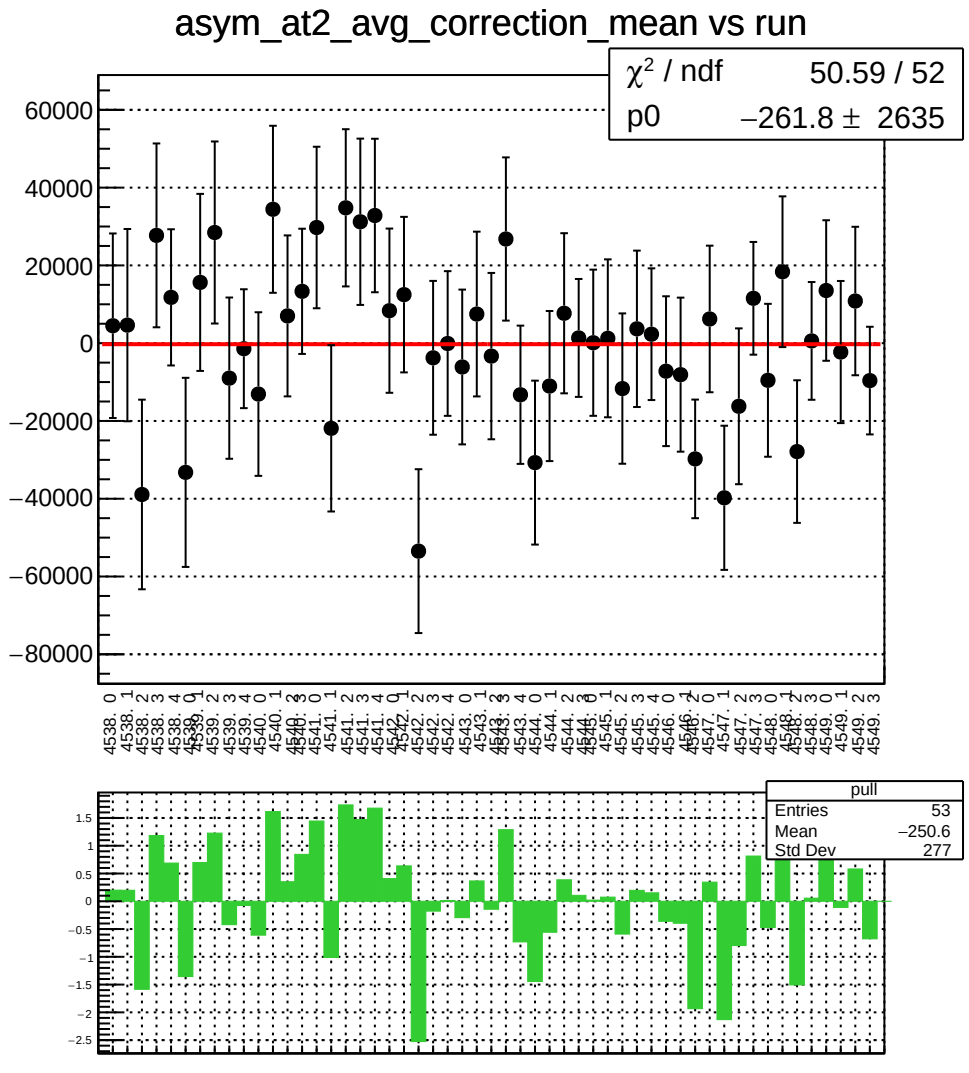

pull1D
Entries 53
Mean 0.008955
Std Dev 1.091

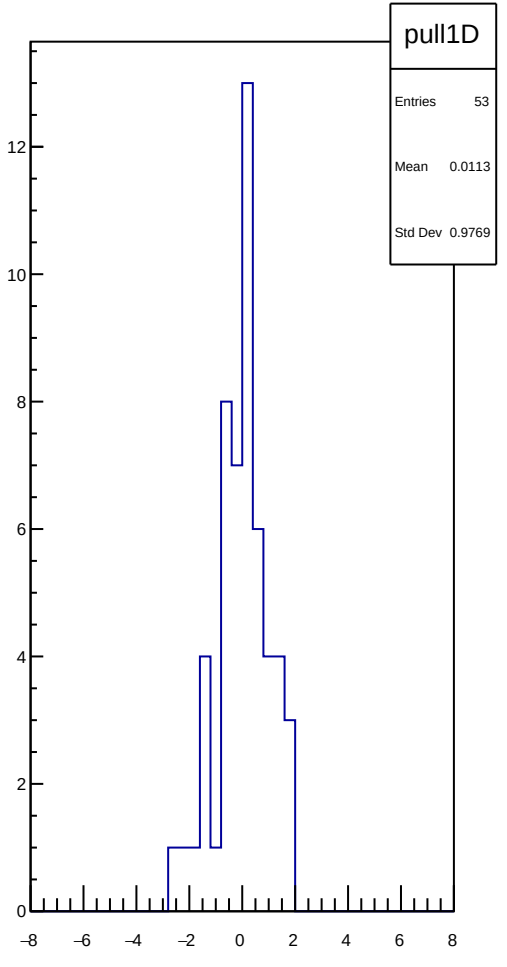

asym_at1_dd_rms vs run
χ² / ndf 674.7 / 52
p0 1111 ± 1.07
1200
1180
1160
1140
1120
1100
1080
1060
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

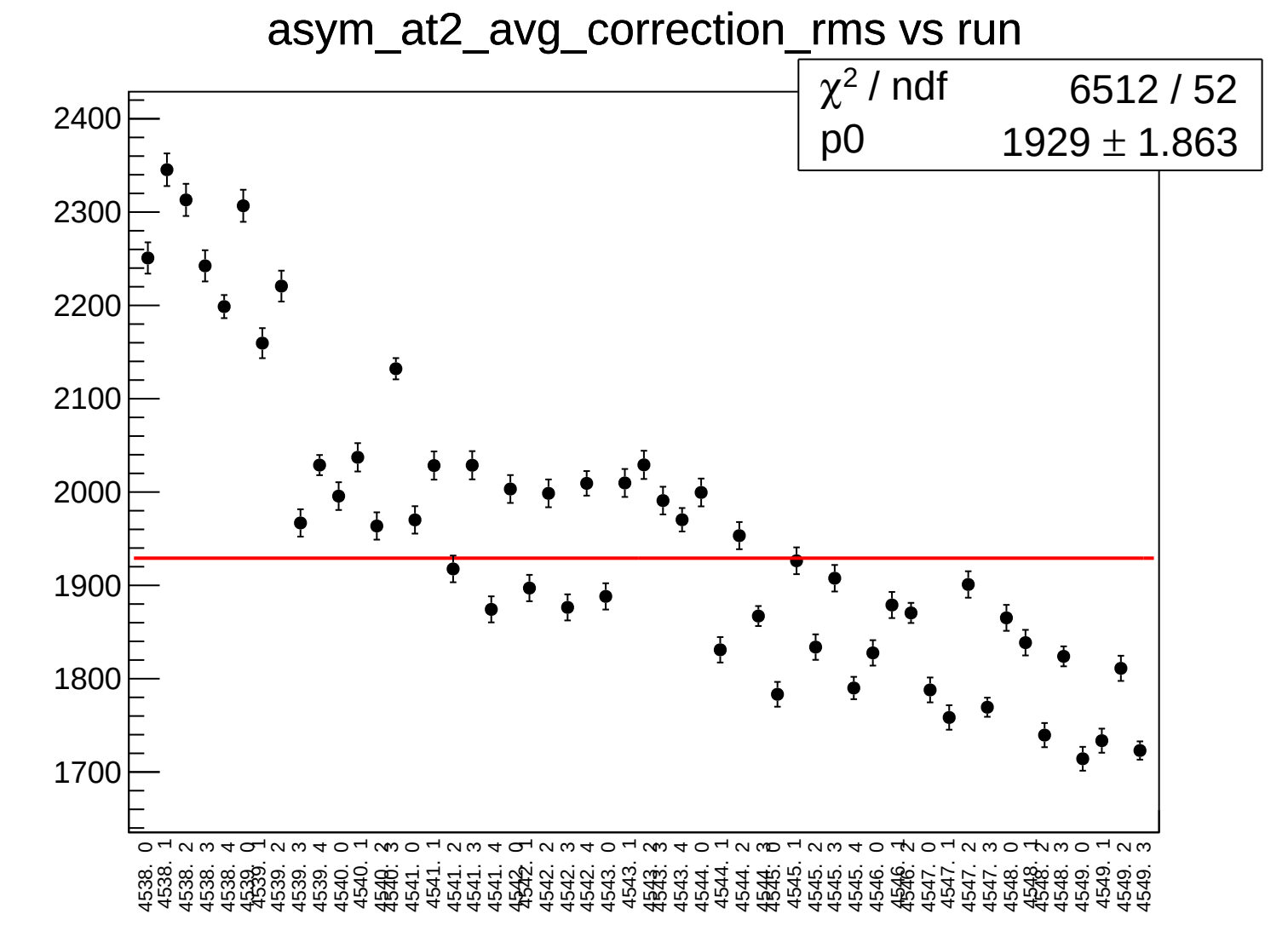

reg_asym_at2_avg_mean vs run
χ² / ndf 51.68 / 52
p0 −1957 ± 397.9
pull
Entries 53
Mean 150
Std Dev 122.5

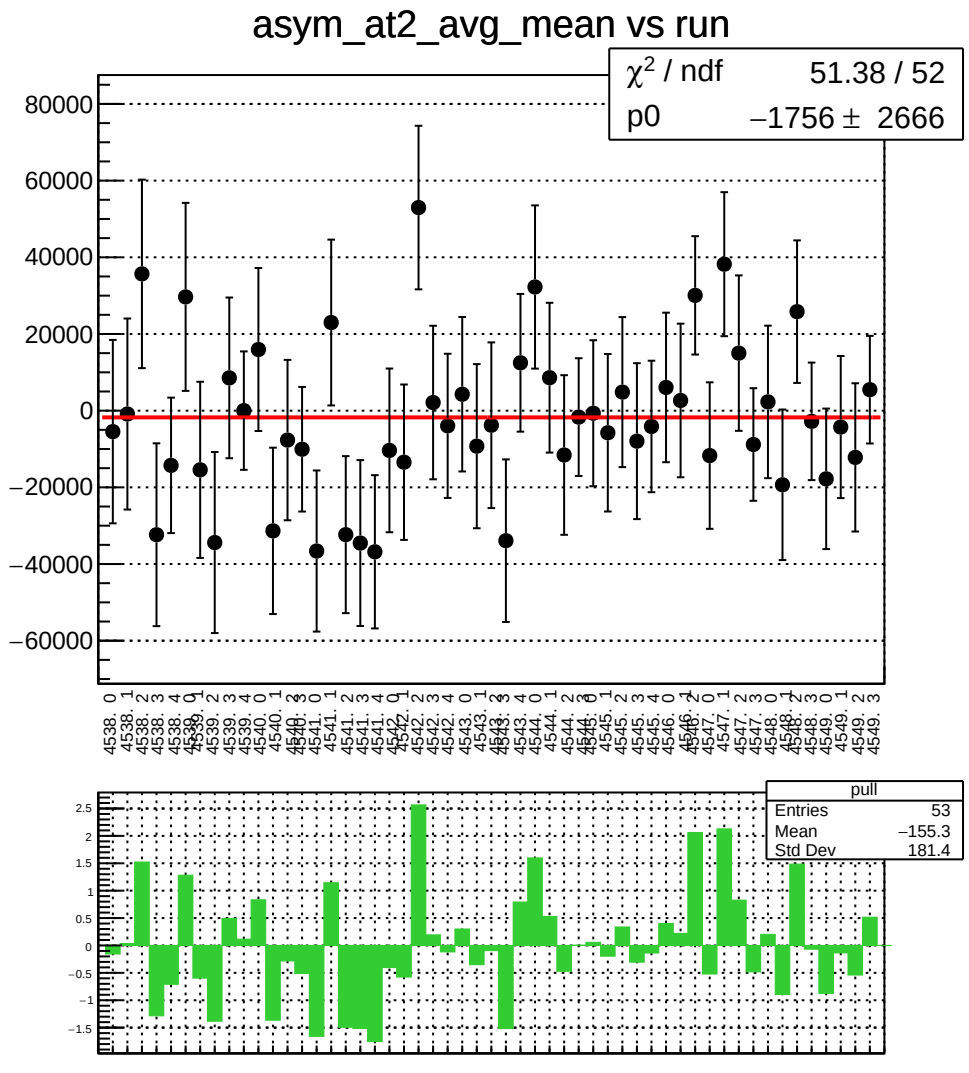

pull1D
Entries 53
Mean −0.02986
Std Dev 0.9871

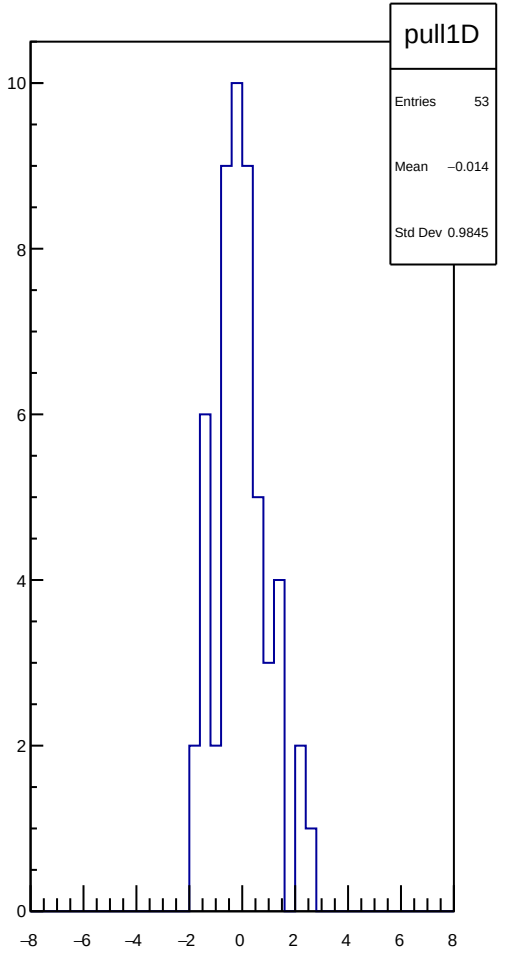

reg_asym_at2_avg_rms vs run
χ² / ndf 629.6 / 52
p0 292.1 ± 0.2814
325
320
315
310
305
300
295
290
285
280
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

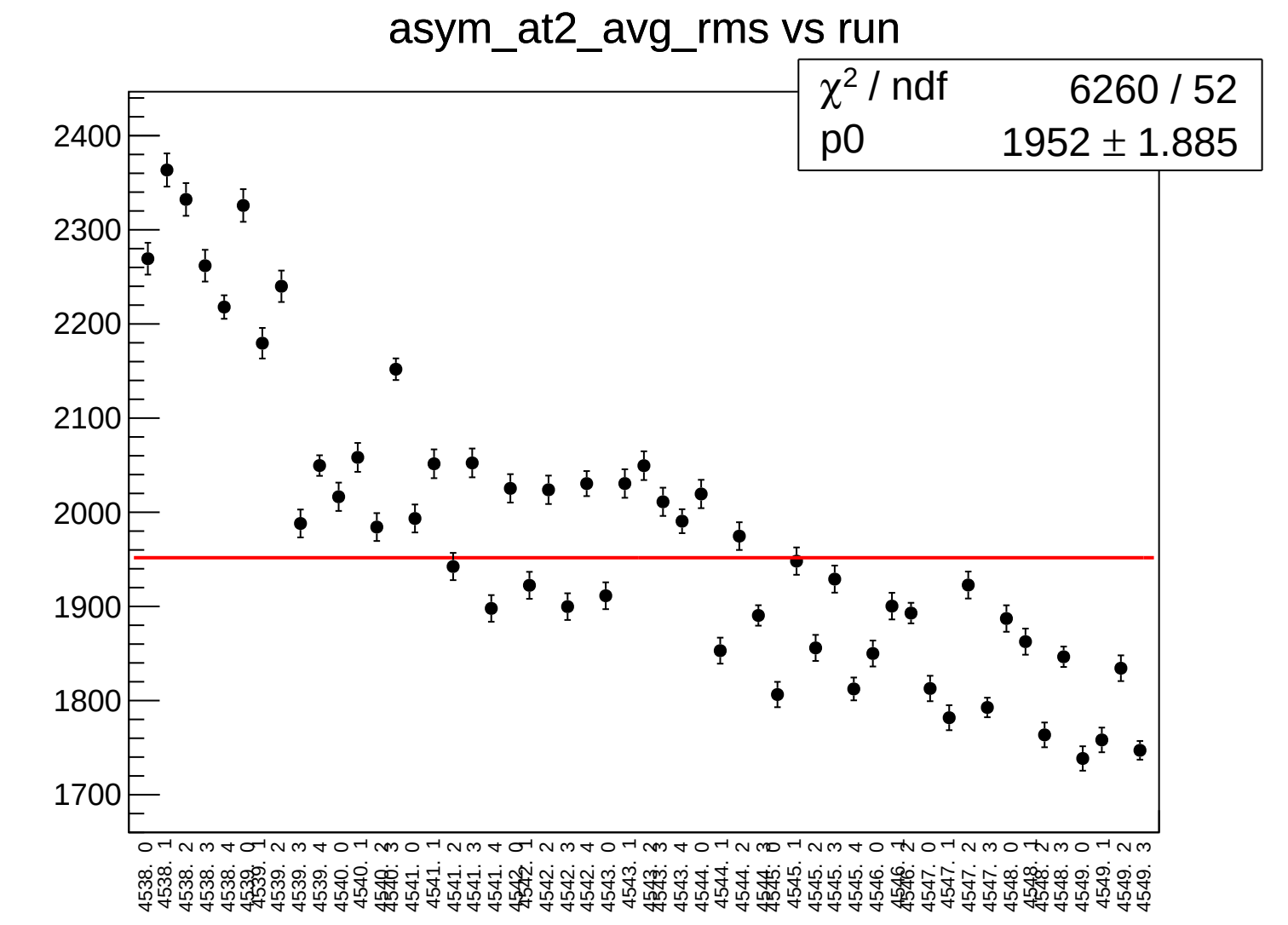

asym_at2_avg_correction_mean vs run
χ² / ndf 50.59 / 52
p0 −261.8 ± 2635
pull
Entries 53
Mean −250.6
Std Dev 277

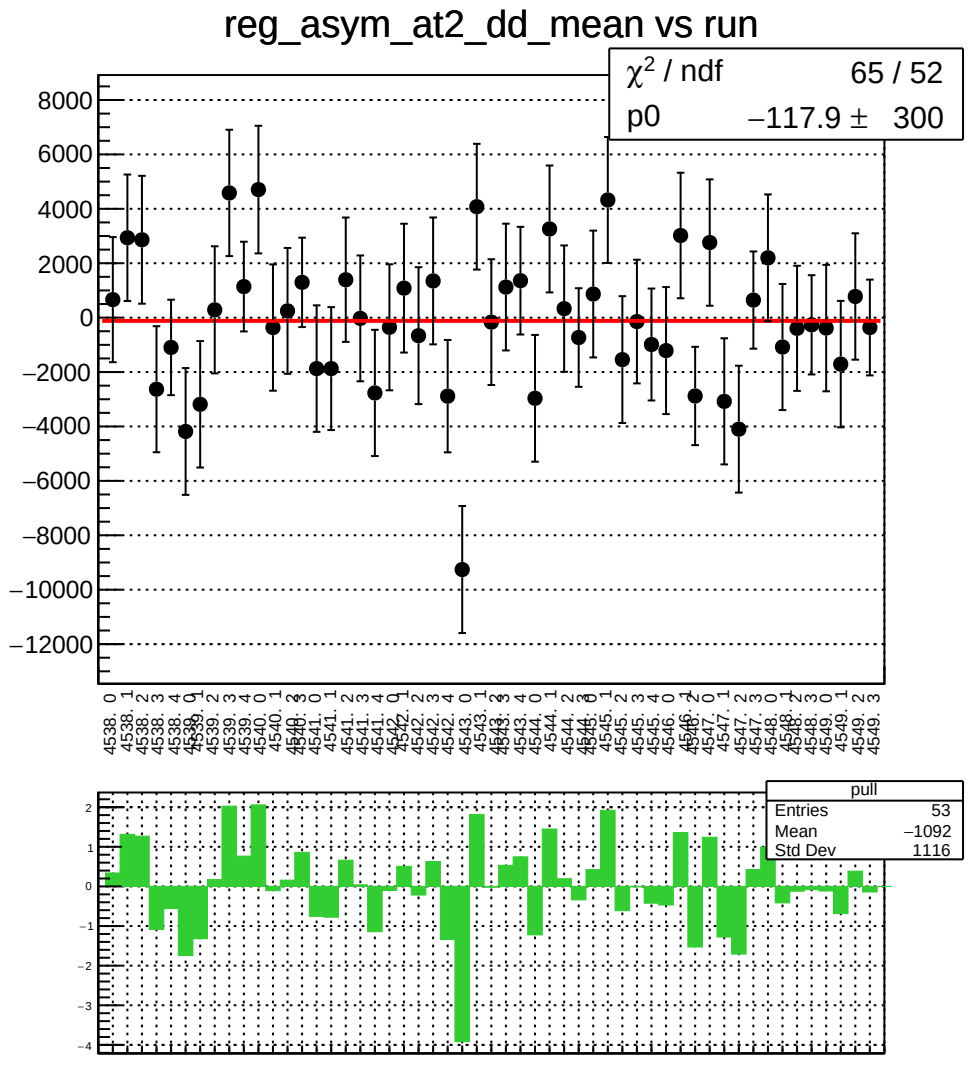

pull1D
Entries 53
Mean 0.0113
Std Dev 0.9769

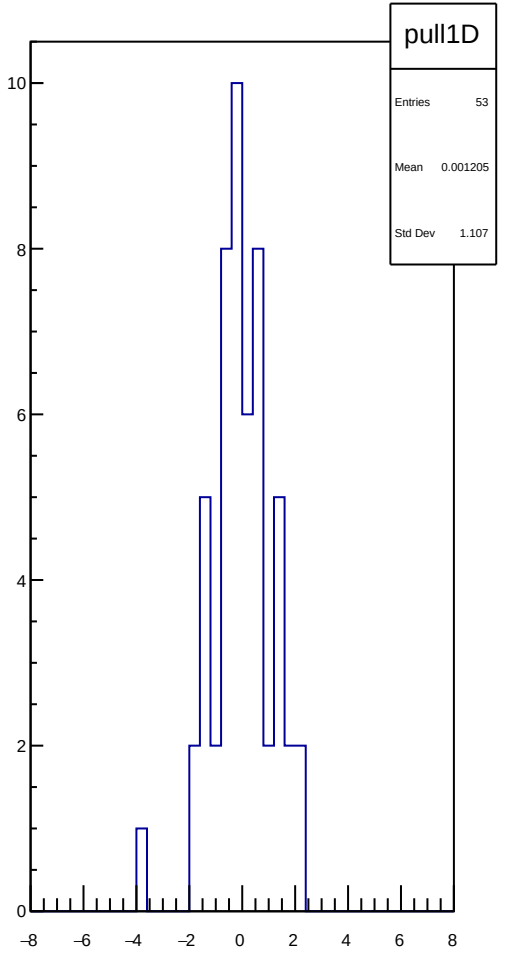

asym_at2_avg_correction_rms vs run
χ² / ndf 6512 / 52
p0 1929 ± 1.863
2400
2300
2200
2100
2000
1900
1800
1700
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

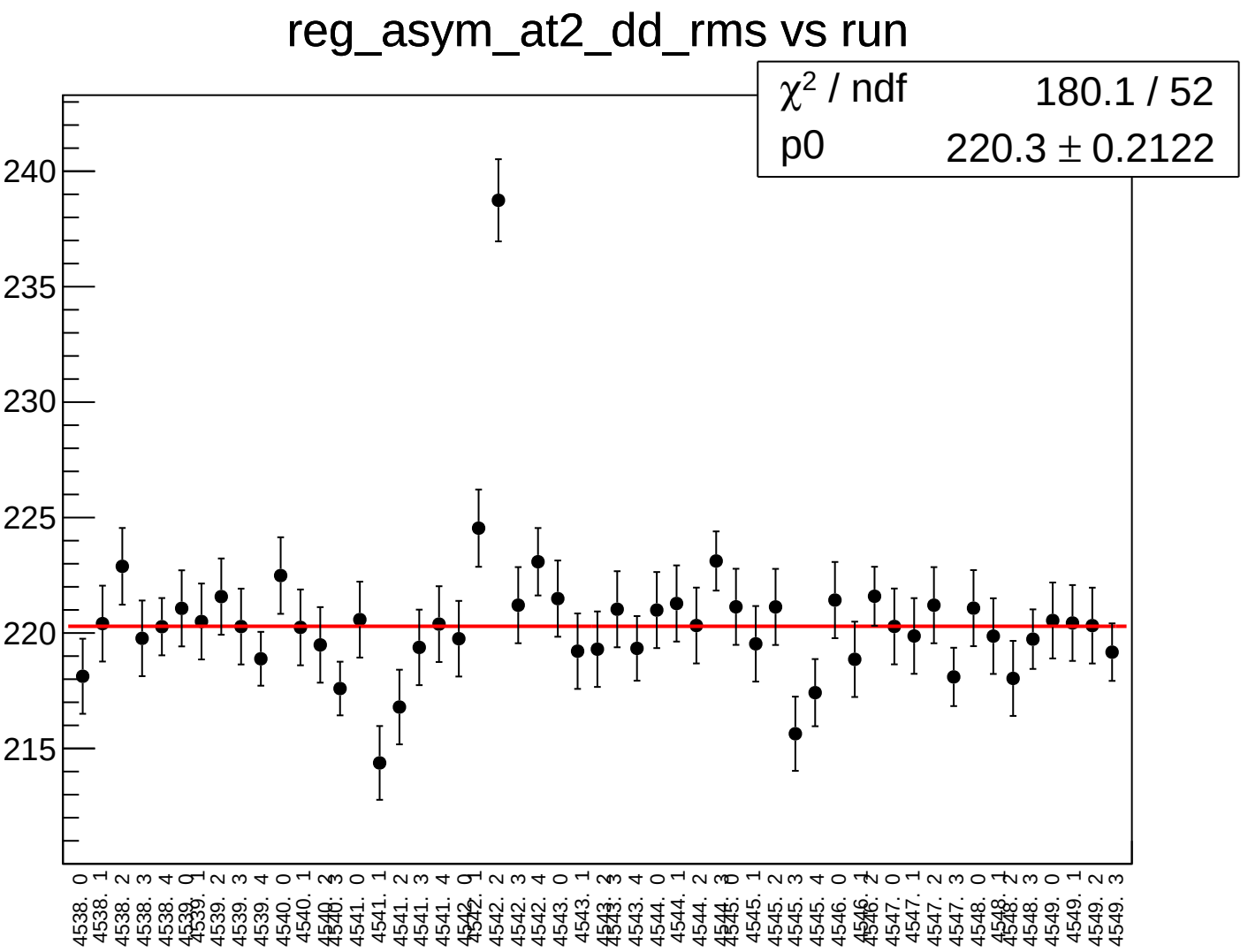

asym_at2_avg_mean vs run
χ² / ndf 51.38 / 52
p0 −1756 ± 2666
pull
Entries 53
Mean −155.3
Std Dev 181.4


pull1D
Entries 53
Mean −0.014
Std Dev 0.9845


asym_at2_avg_rms vs run
χ² / ndf 6260 / 52
p0 1952 ± 1.885
2400
2300
2200
2100
2000
1900
1800
1700
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


reg_asym_at2_dd_mean vs run
χ² / ndf 65 / 52
p0 −117.9 ± 300
pull
Entries 53
Mean −1092
Std Dev 1116


pull1D
Entries 53
Mean 0.001205
Std Dev 1.107


reg_asym_at2_dd_rms vs run
χ² / ndf 180.1 / 52
p0 220.3 ± 0.2122
240
235
230
225
220
215
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
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4547. 2
4547. 3
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4548. 2
4548. 3
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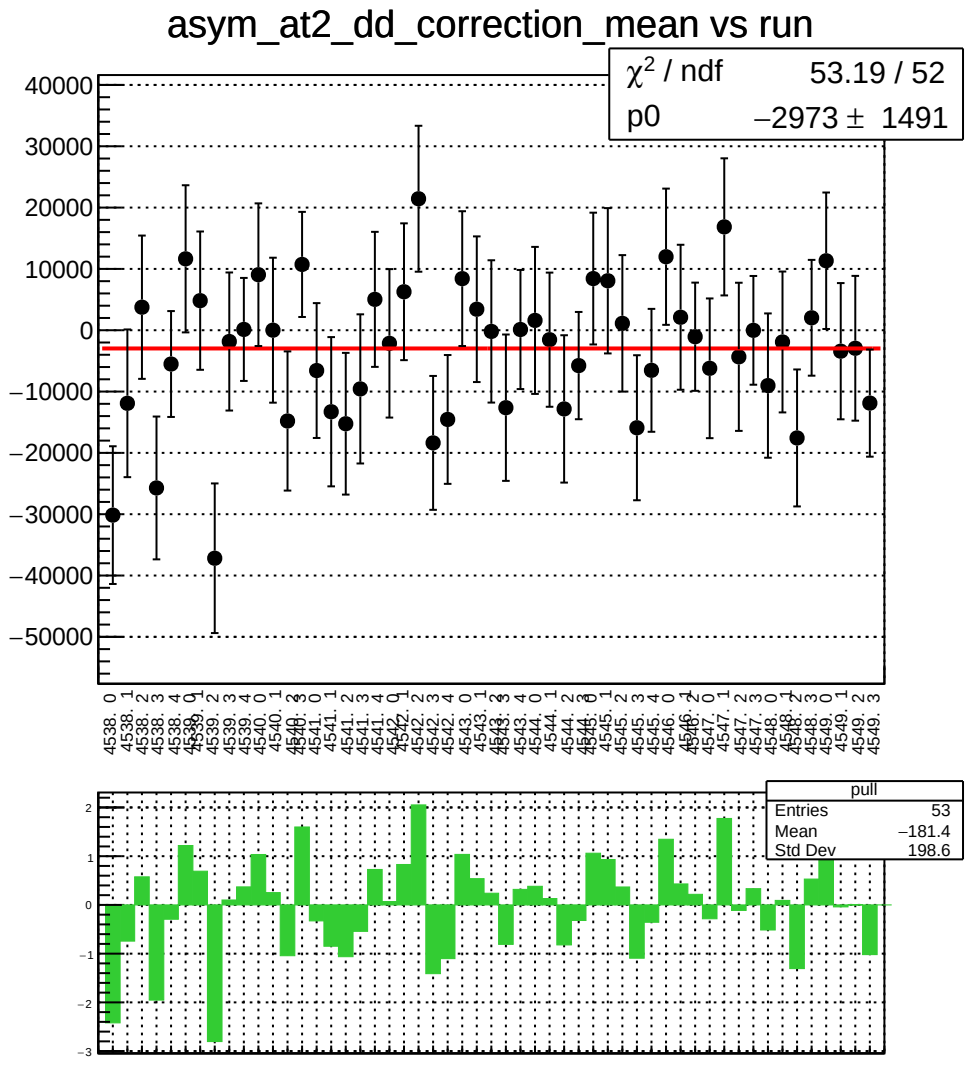
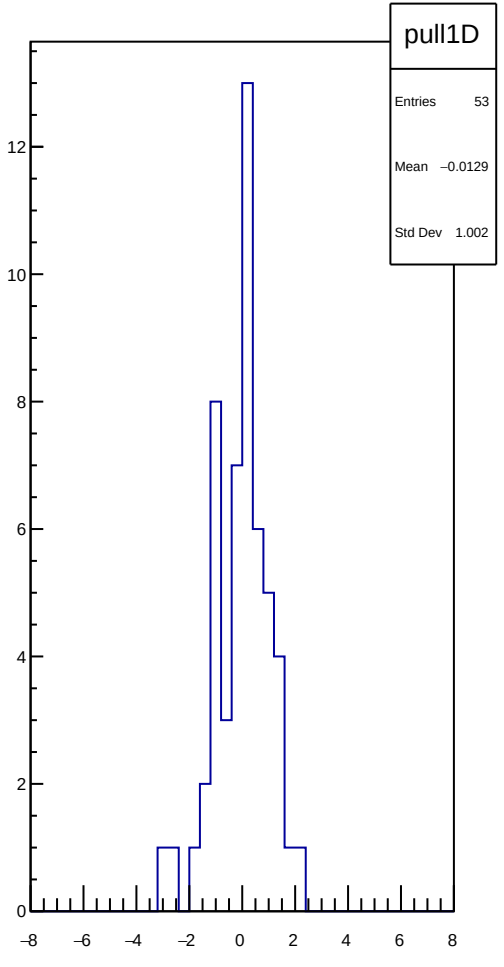
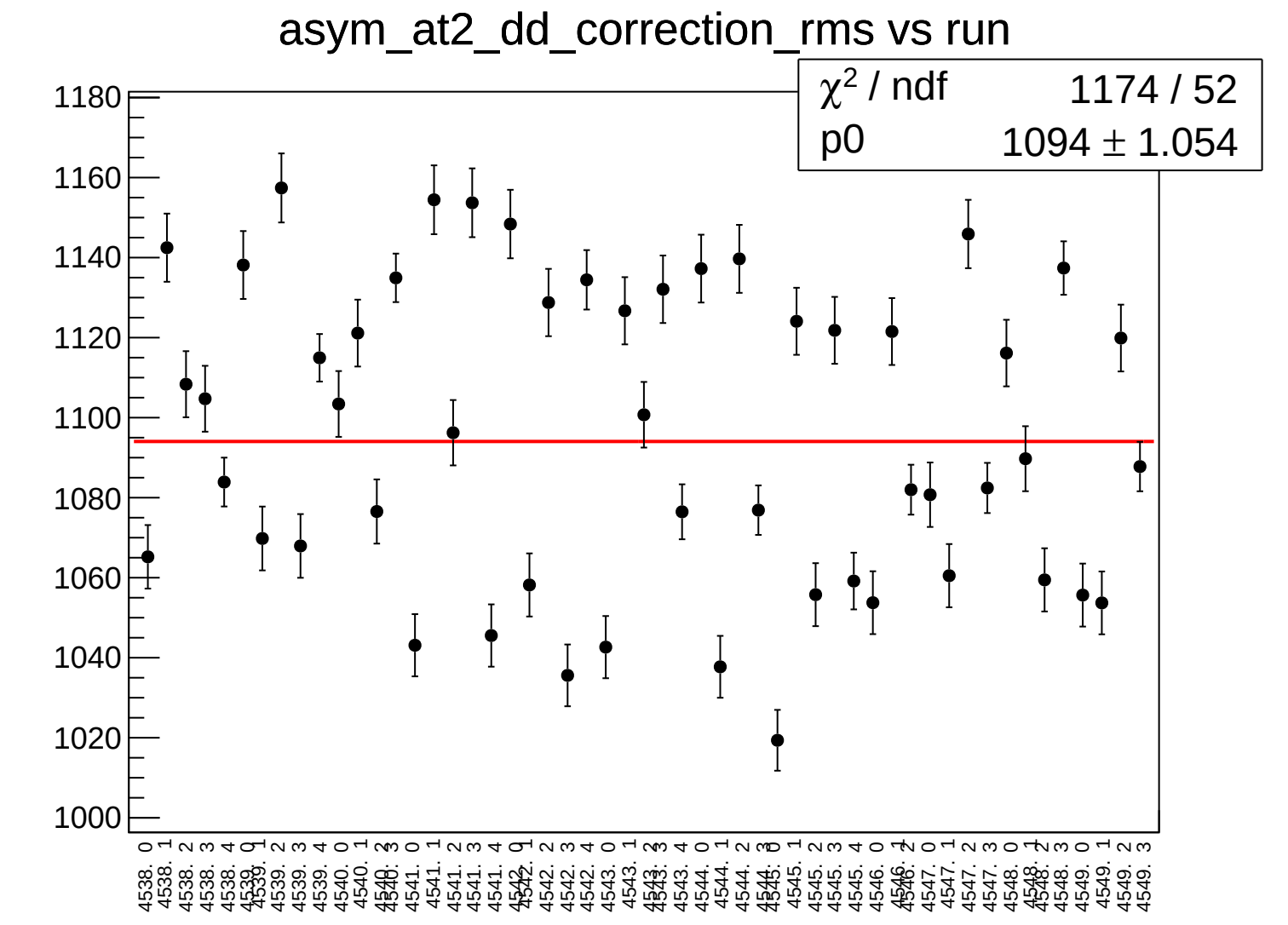
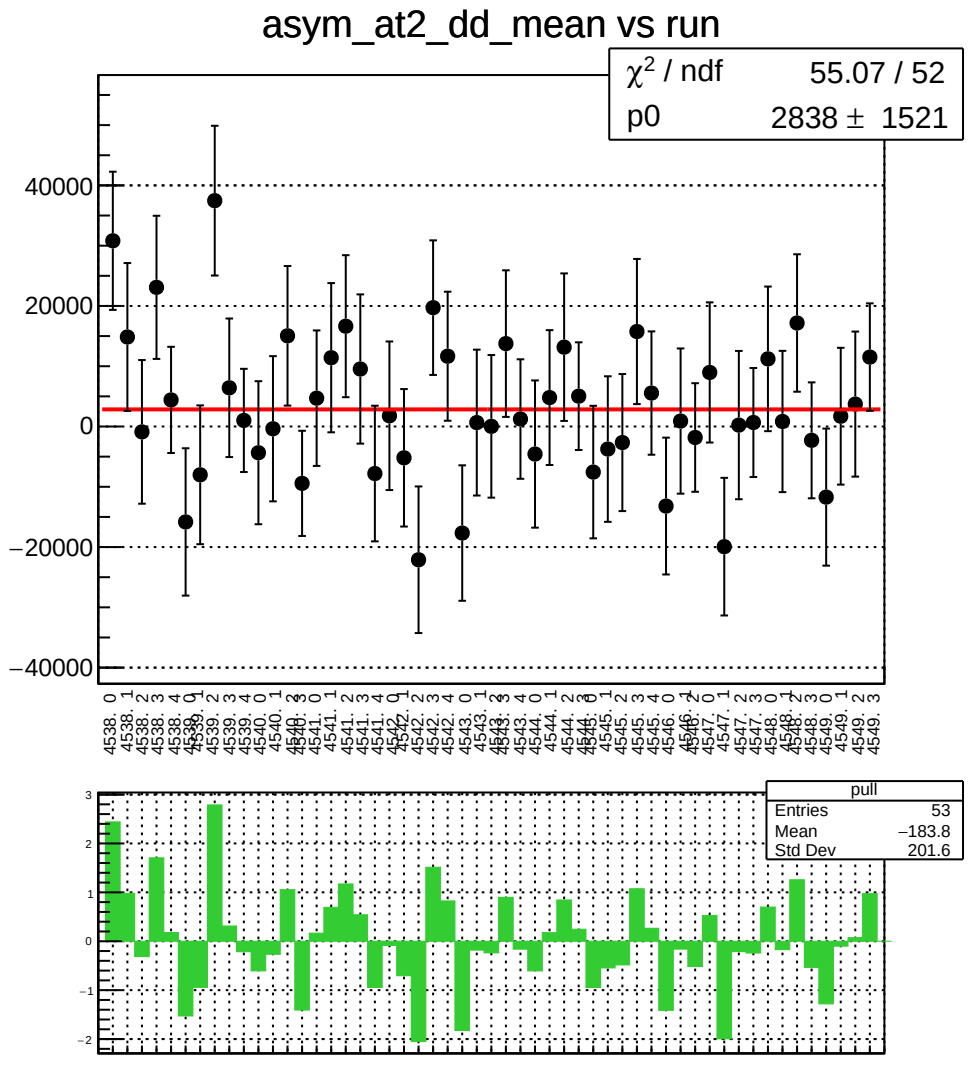
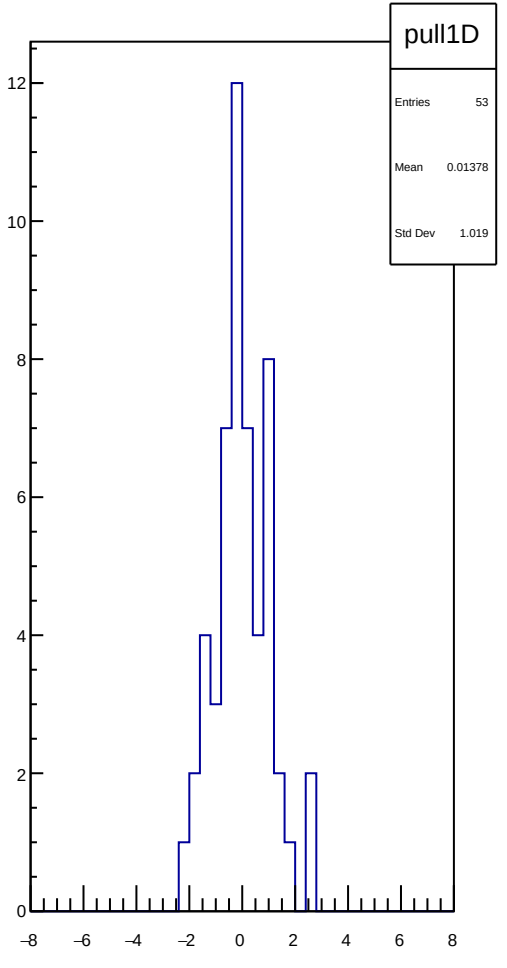
4549. 1
4549. 2
4549. 3

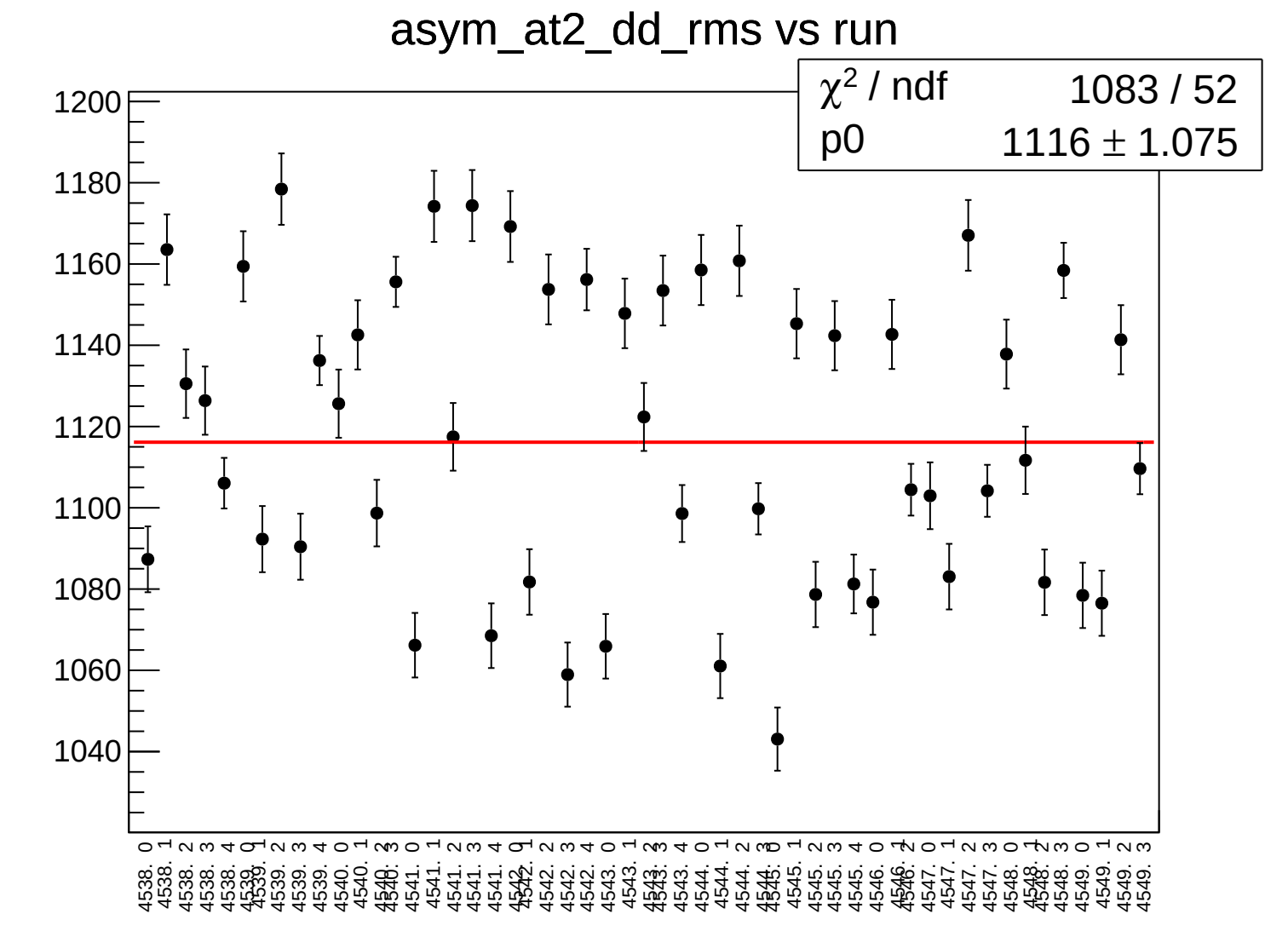

asym_at2_dd_correction_mean vs run
χ² / ndf 53.19 / 52
p0 −2973 ± 1491
pull
Entries 53
Mean −181.4
Std Dev 198.6

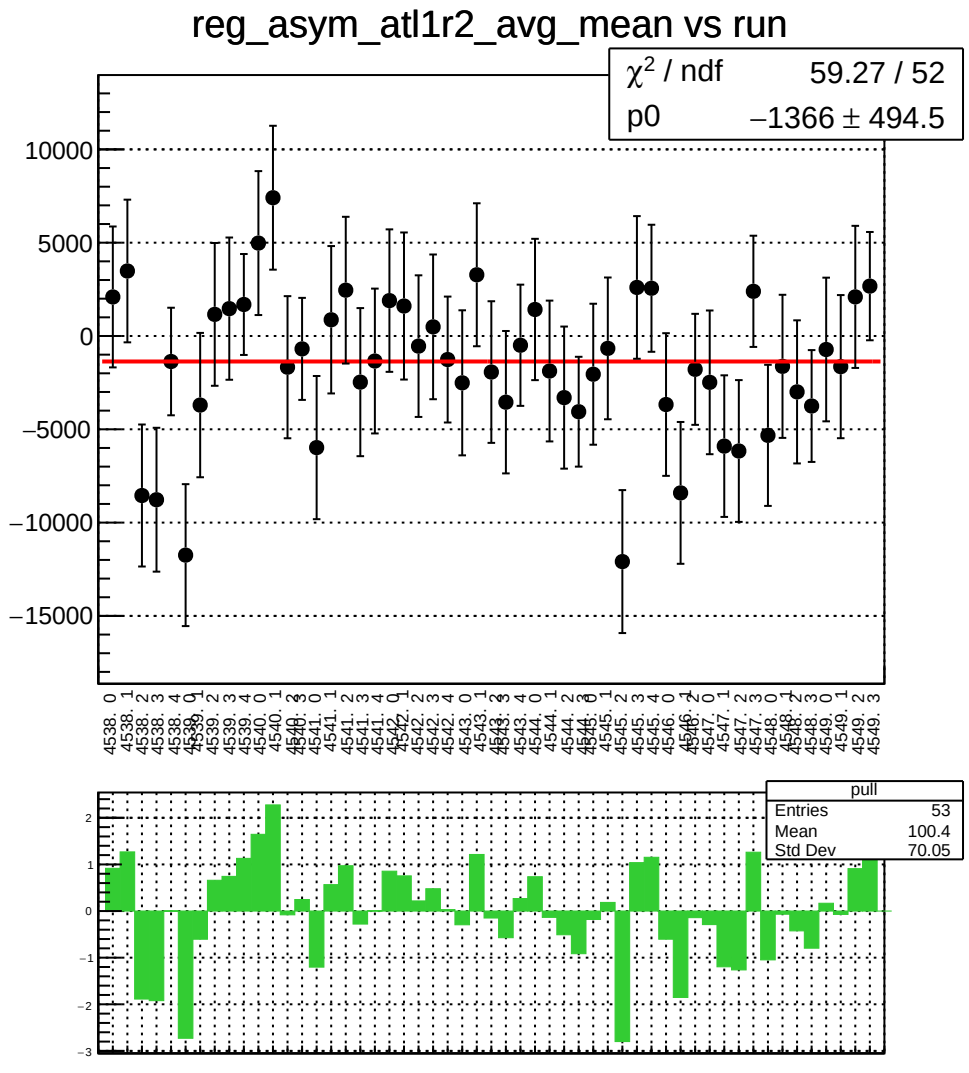

pull1D
Entries 53
Mean −0.0129
Std Dev 1.002

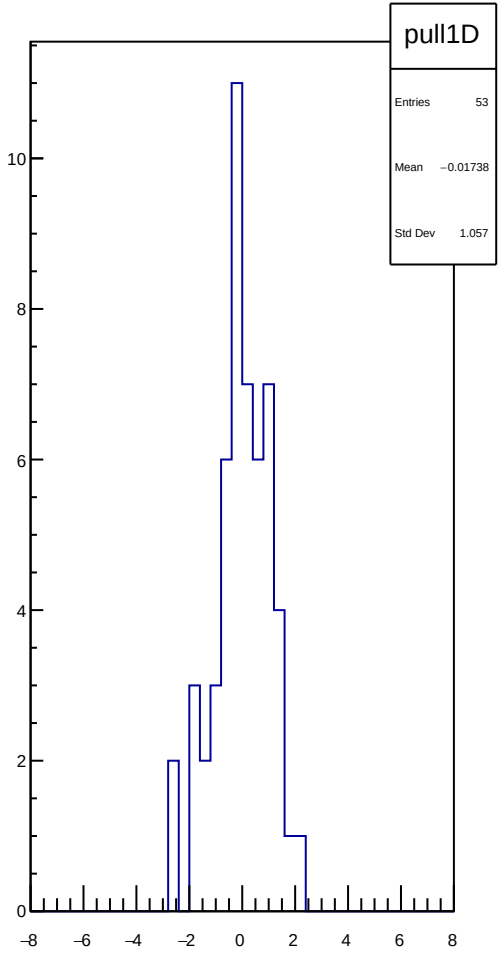

asym_at2_dd_correction_rms vs run
χ² / ndf 1174 / 52
p0 1094 ± 1.054
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

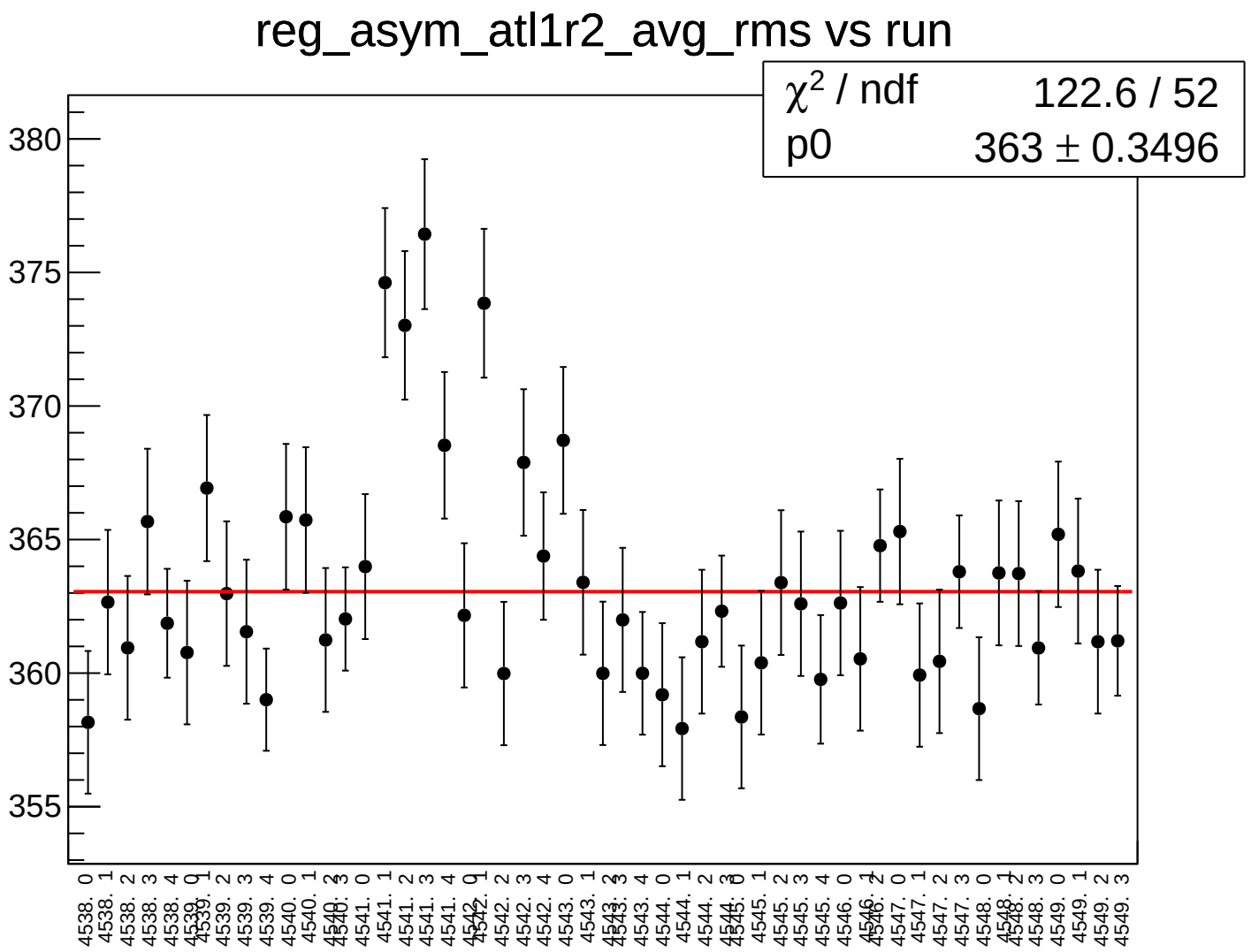

asym_at2_dd_mean vs run
χ² / ndf 55.07 / 52
p0 2838 ± 1521
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −183.8
Std Dev 201.6
3
2
1
0
−1
−2

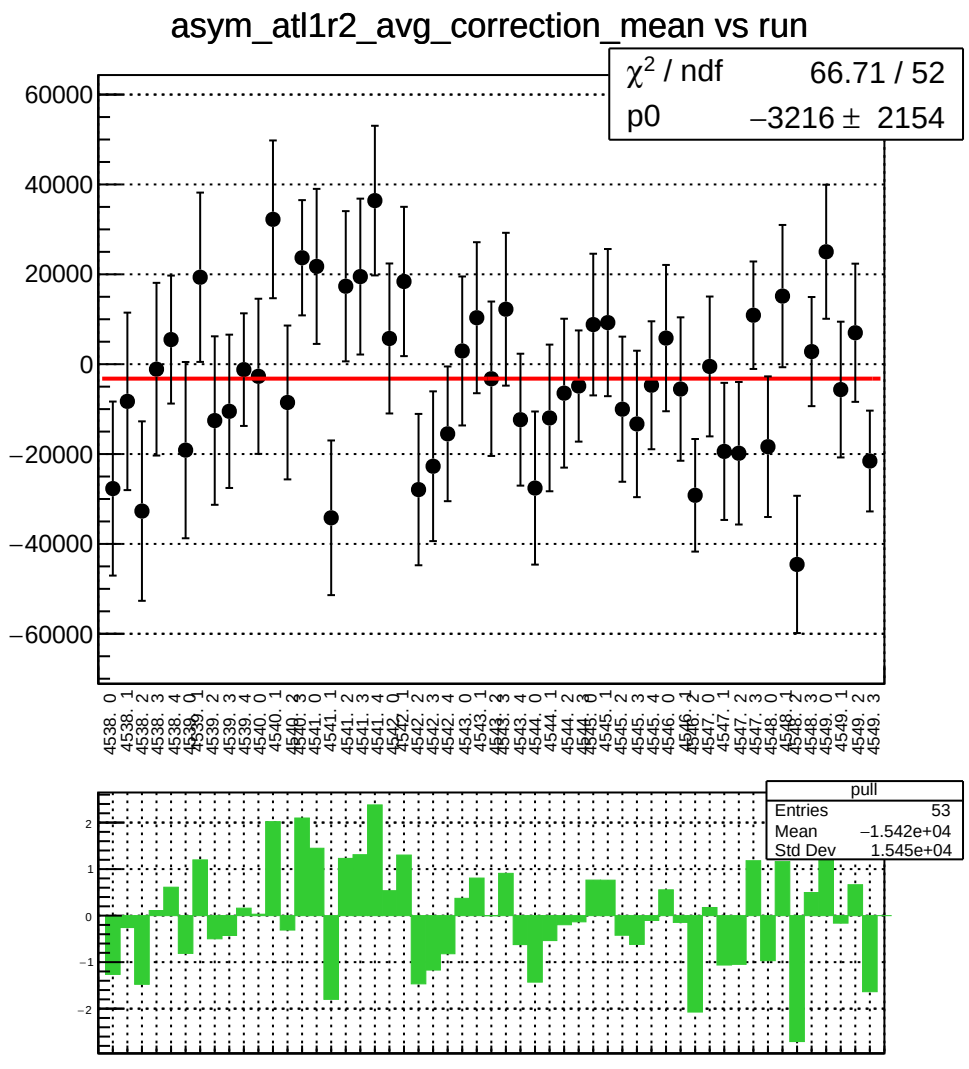

pull1D
Entries 53
Mean 0.01378
Std Dev 1.019
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

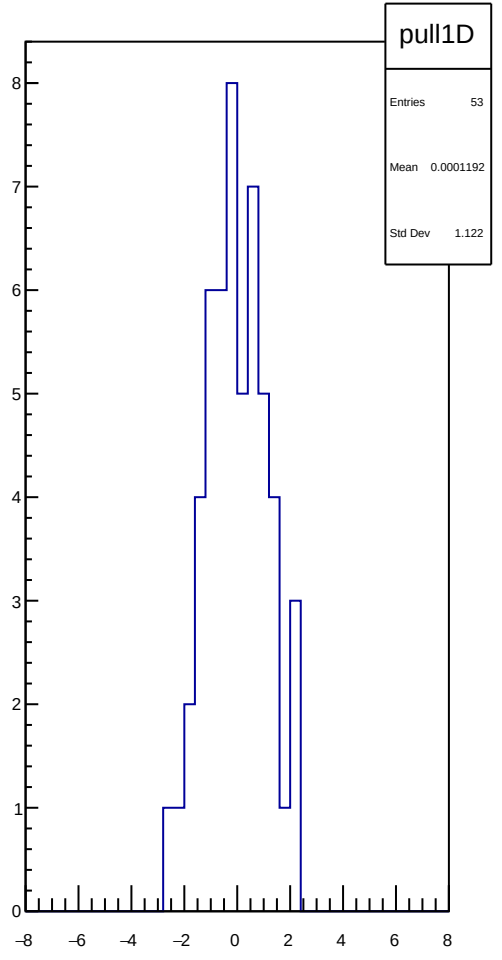

asym_at2_dd_rms vs run
χ² / ndf 1083 / 52
p0 1116 ± 1.075
1200
1180
1160
1140
1120
1100
1080
1060
1040
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

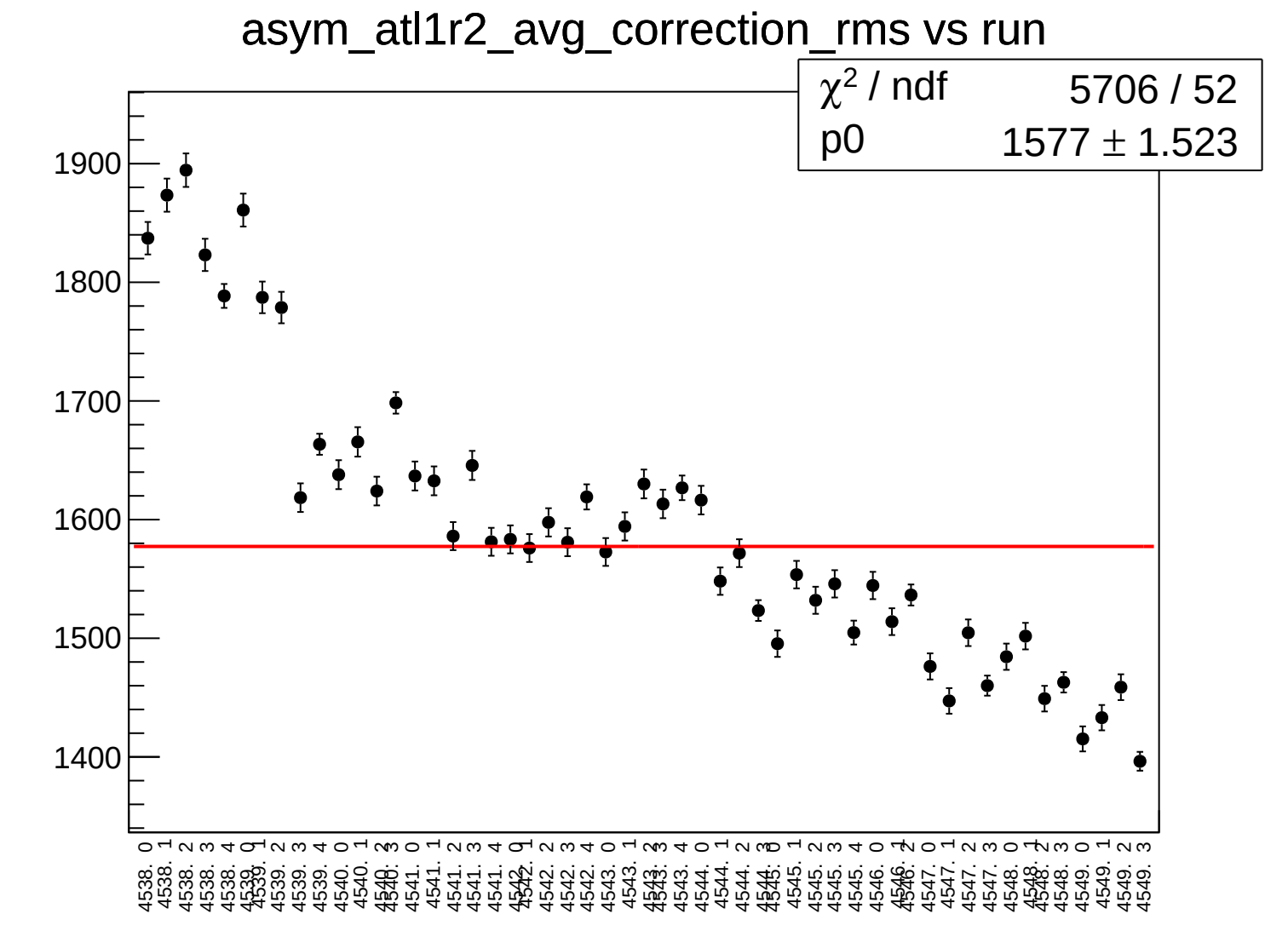

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 59.27 / 52
p0 −1366 ± 494.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 100.4
Std Dev 70.05
2
1
0
−1
−2
−3

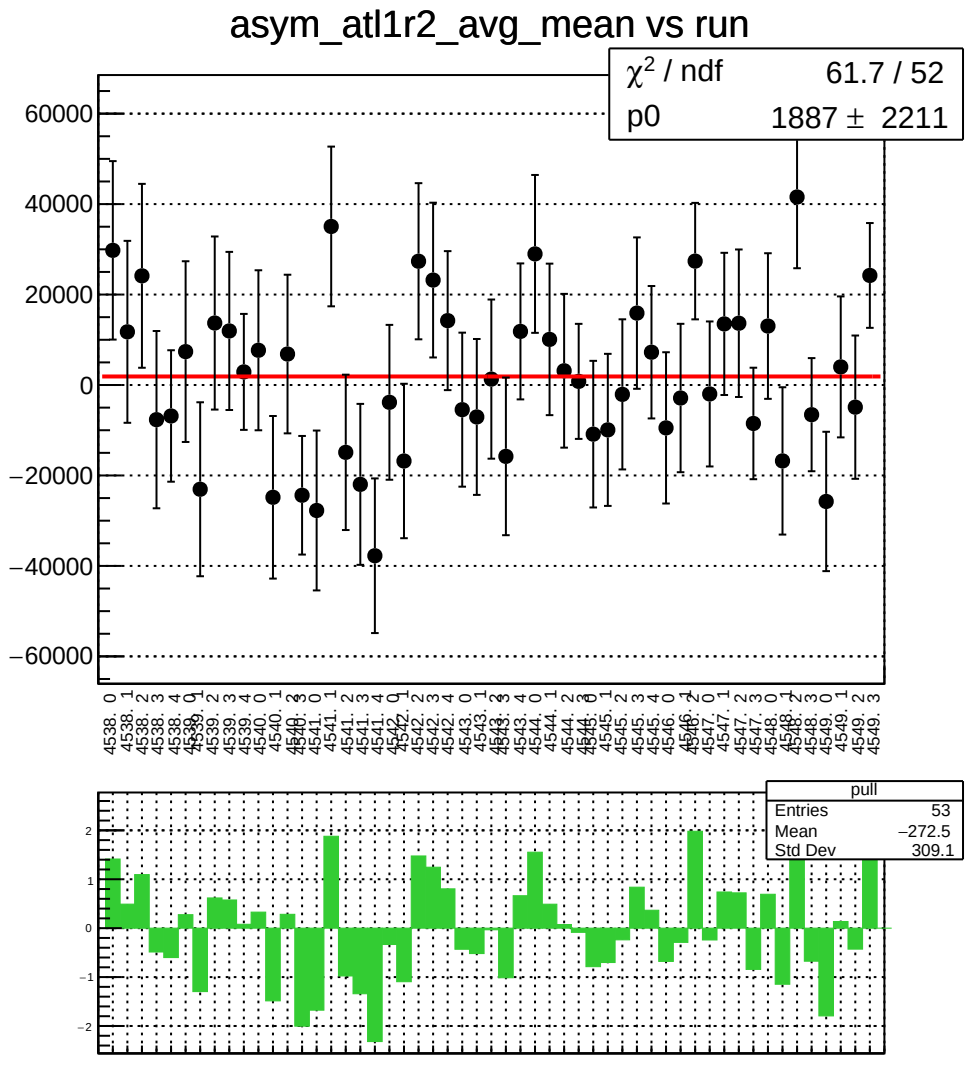

pull1D
Entries 53
Mean −0.01738
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

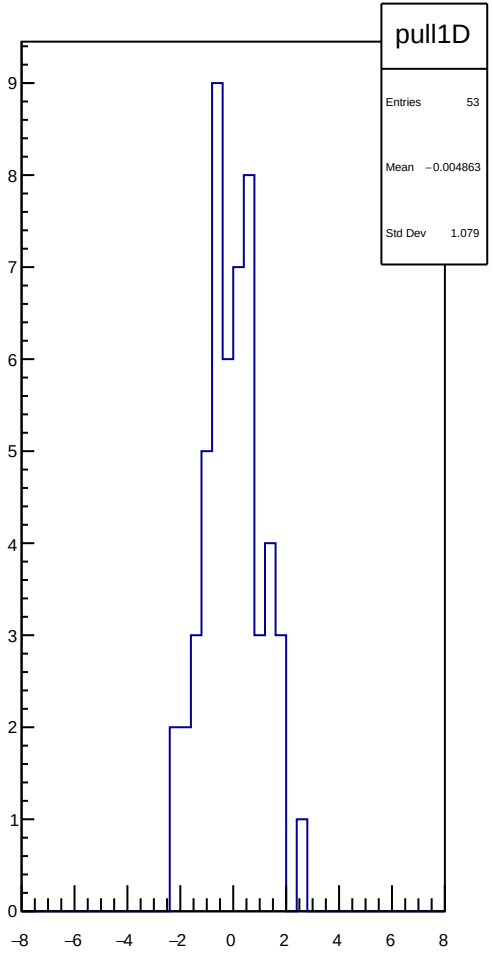

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 122.6 / 52
p0 363 ± 0.3496
380
375
370
365
360
355
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

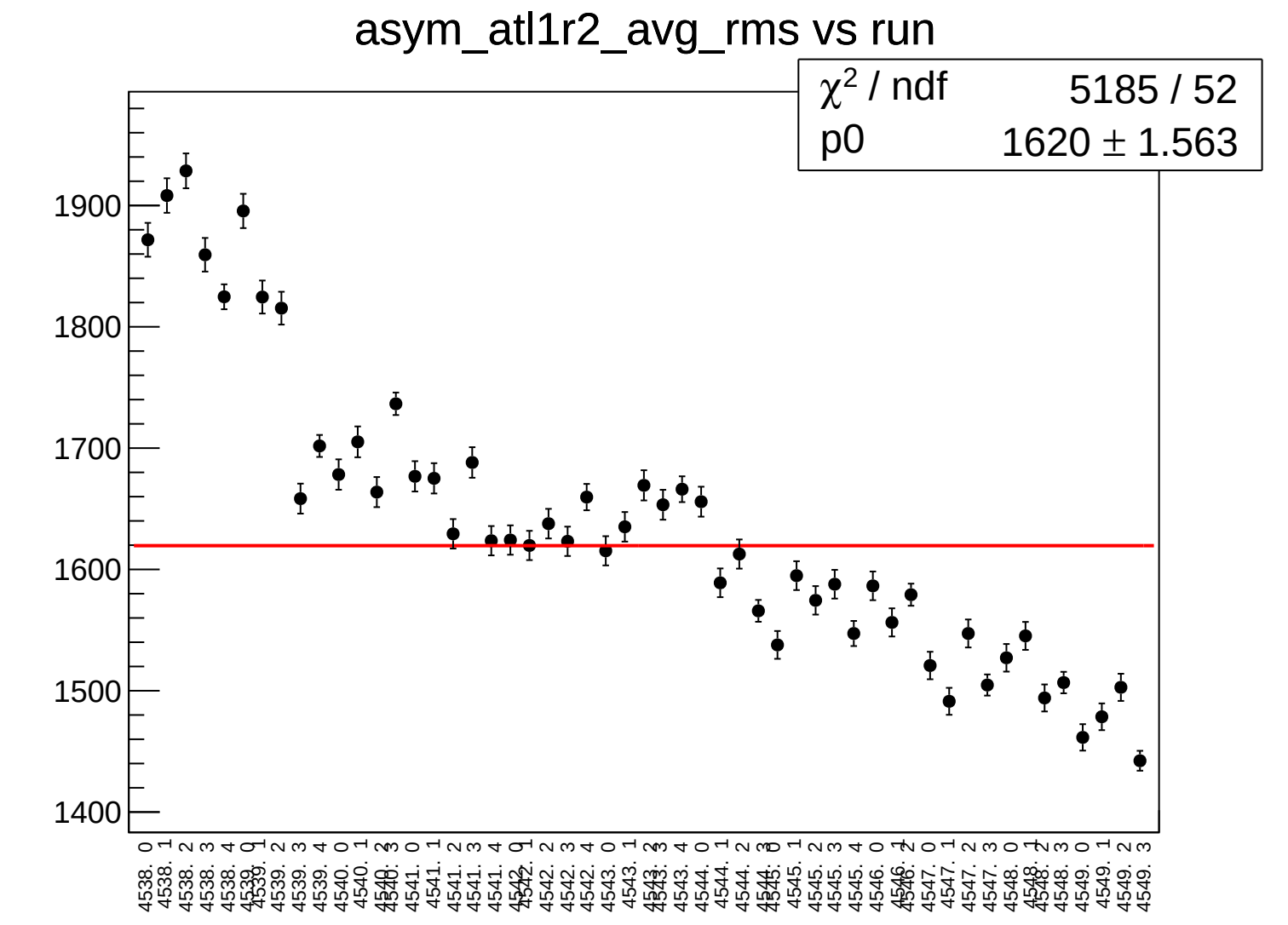

asym_atl1r2_avg_correction_mean vs run
χ² / ndf 66.71 / 52
p0 −3216 ± 2154
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −1.542e+04
Std Dev 1.545e+04
2
1
0
−1
−2

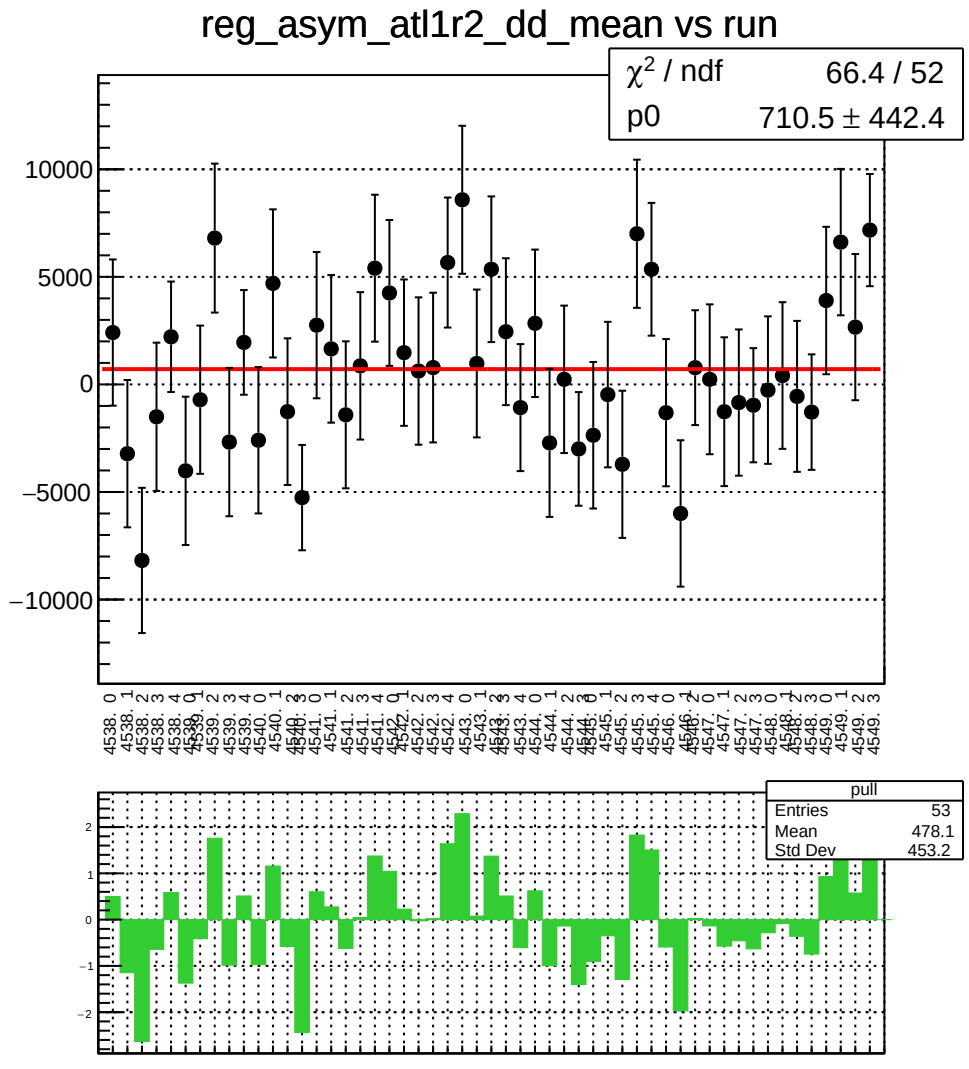

pull1D
Entries 53
Mean 0.0001192
Std Dev 1.122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

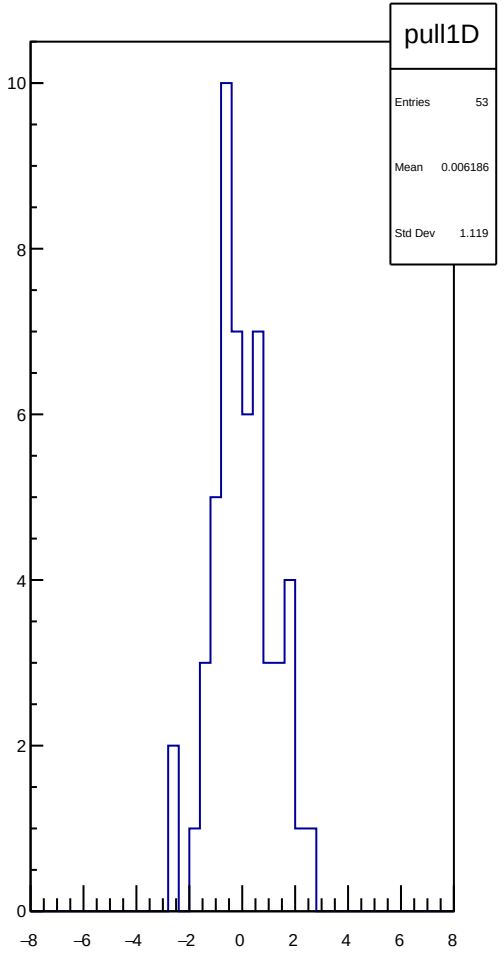

asym_atl1r2_avg_correction_rms vs run
χ² / ndf 5706 / 52
p0 1577 ± 1.523
1900
1800
1700
1600
1500
1400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

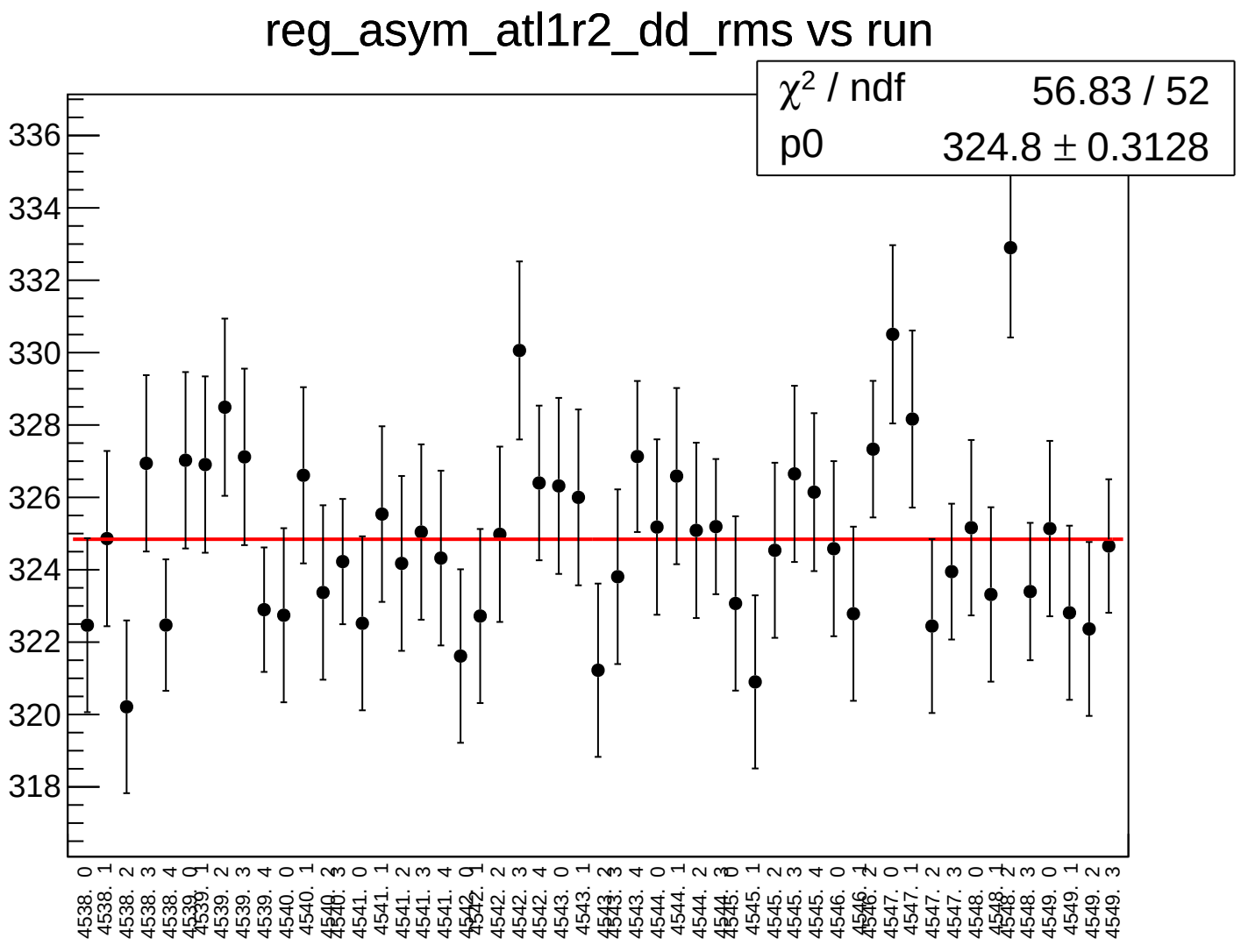

asym_atl1r2_avg_mean vs run
χ² / ndf 61.7 / 52
p0 1887 ± 2211
pull
Entries 53
Mean −272.5
Std Dev 309.1

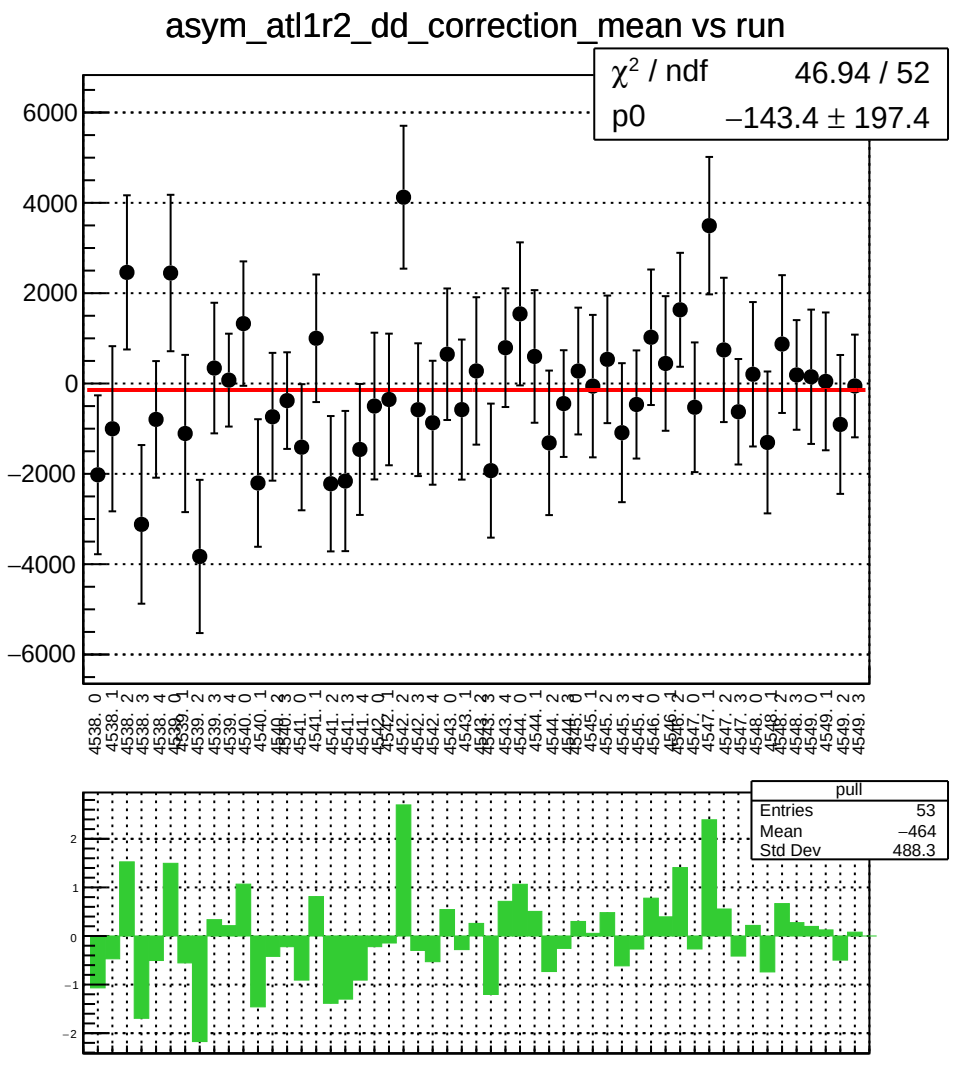

pull1D
Entries 53
Mean −0.004863
Std Dev 1.079

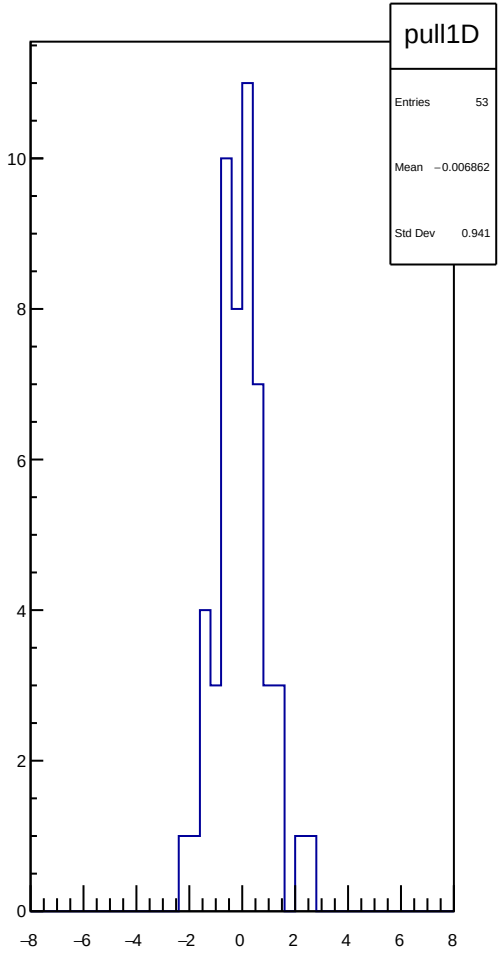

asym_atl1r2_avg_rms vs run
χ^2 / ndf 5185 / 52
p0 1620 ± 1.563
1900
1800
1700
1600
1500
1400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

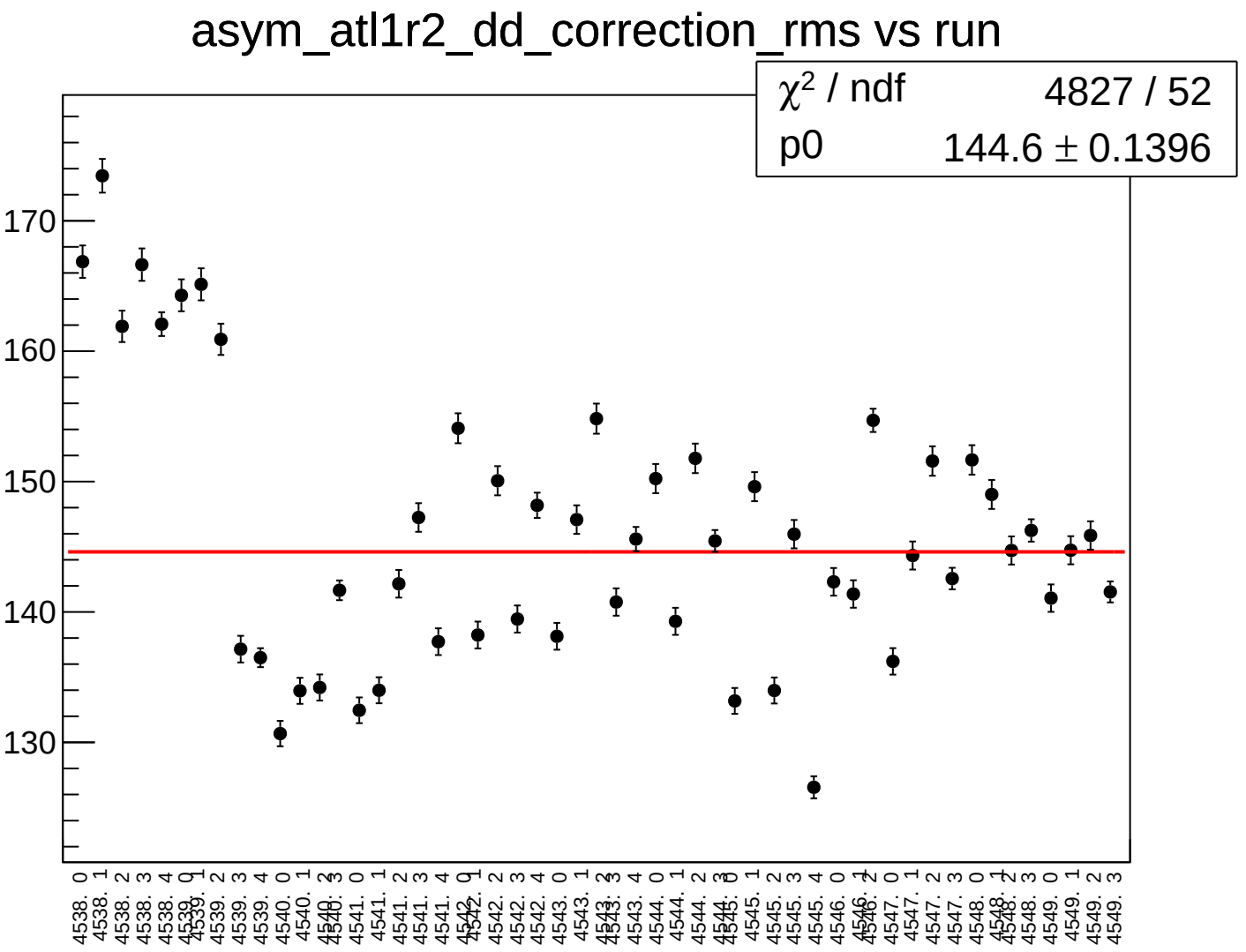

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 66.4 / 52
p0 710.5 ± 442.4
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 478.1
Std Dev 453.2
2
1
0
−1
−2

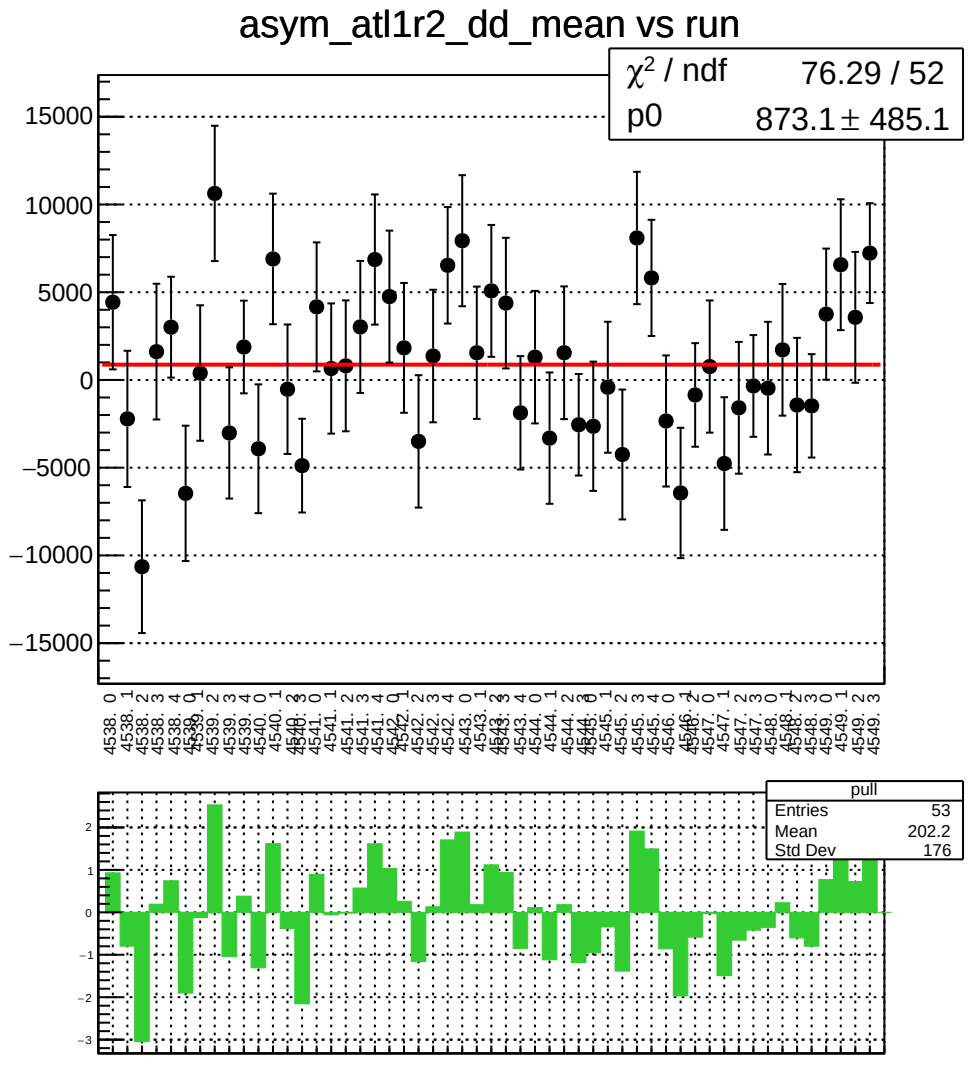

pull1D
Entries 53
Mean 0.006186
Std Dev 1.119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

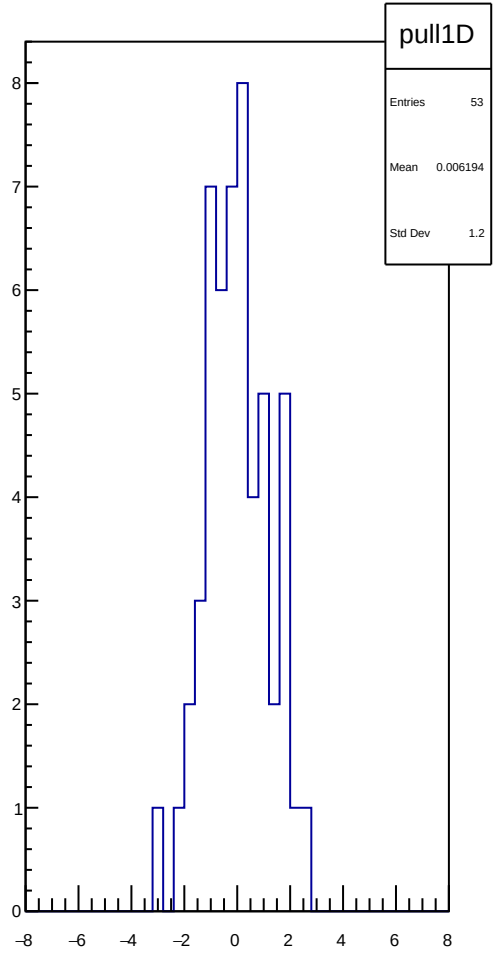

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 56.83 / 52
p0 324.8 ± 0.3128
336
334
332
330
328
326
324
322
320
318
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

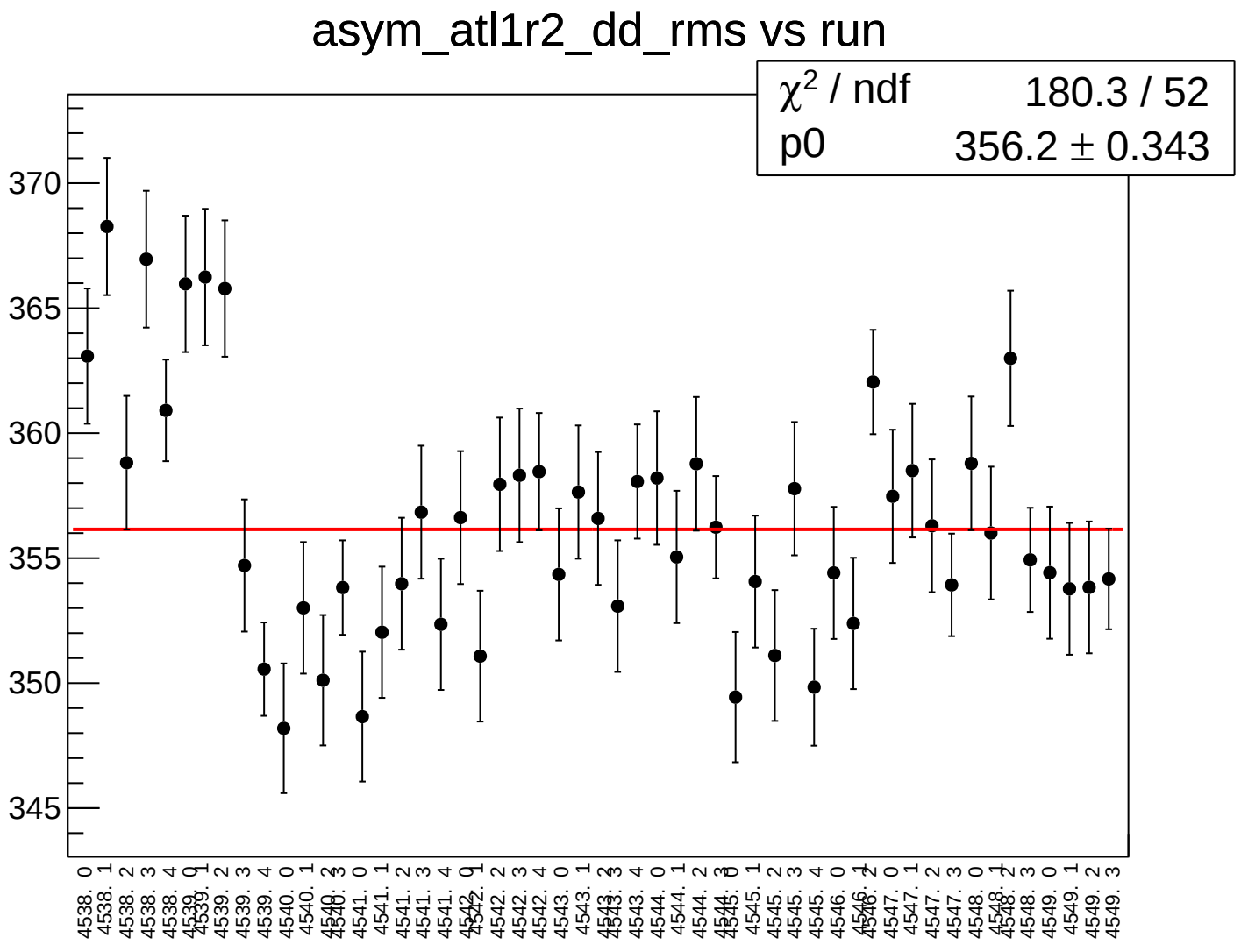

asym_atl1r2_dd_correction_mean vs run
χ² / ndf 46.94 / 52
p0 −143.4 ± 197.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −464
Std Dev 488.3
2
1
0
−1
−2

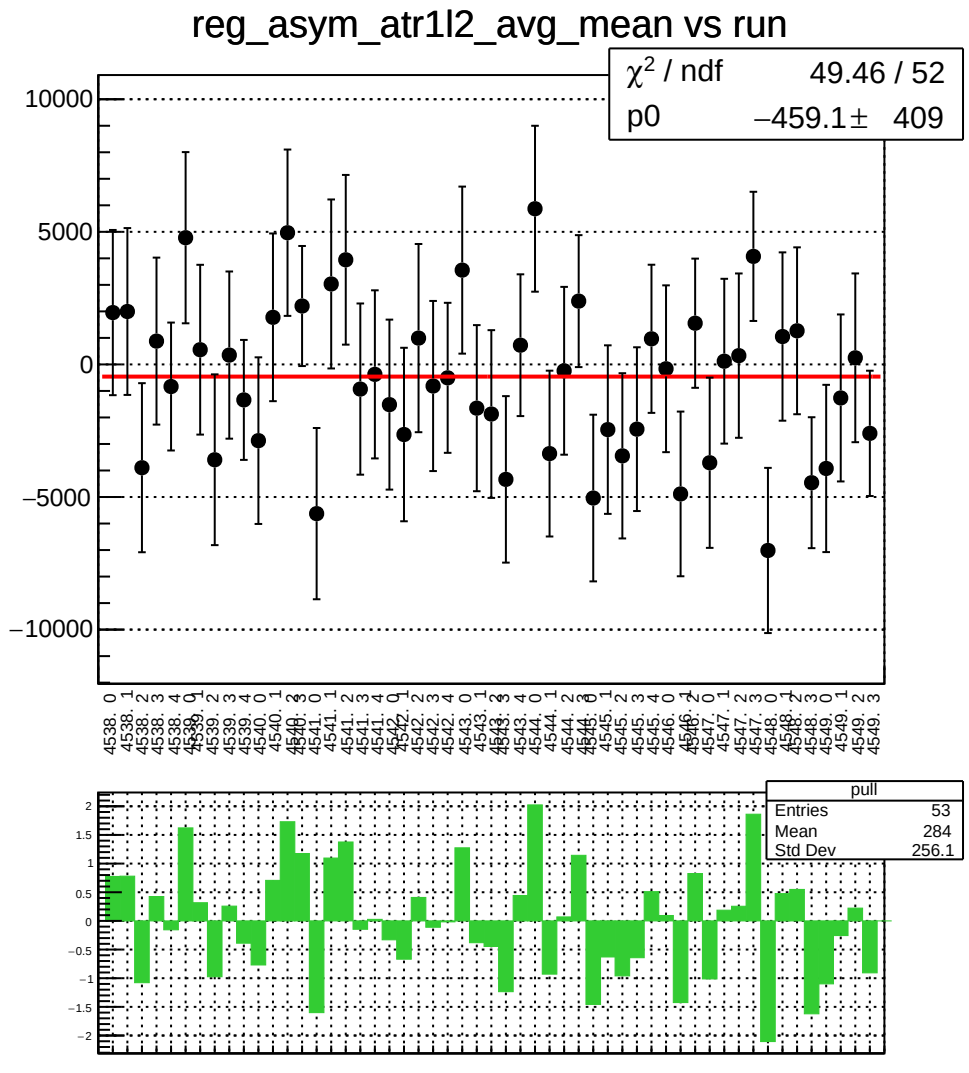

pull1D
Entries 53
Mean −0.006862
Std Dev 0.941
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

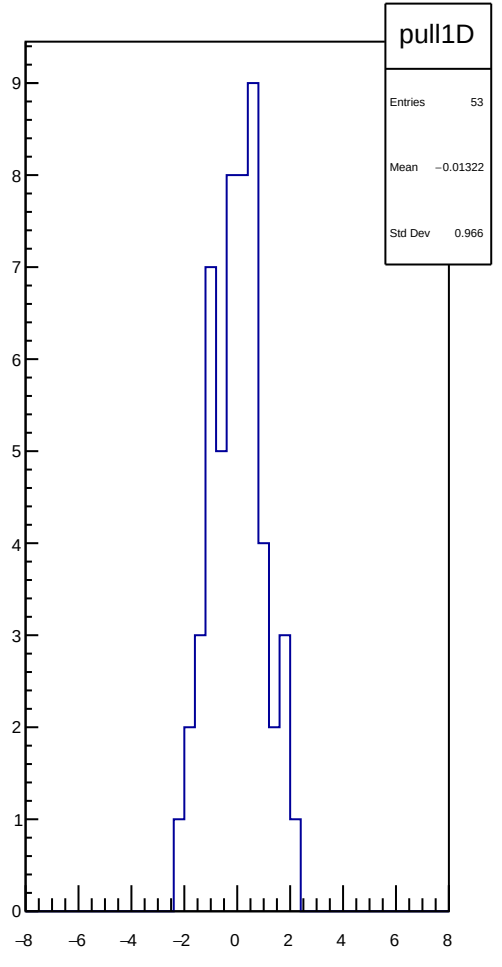

asym_atl1r2_dd_correction_rms vs run
χ² / ndf 4827 / 52
p0 144.6 ± 0.1396
170
160
150
140
130
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

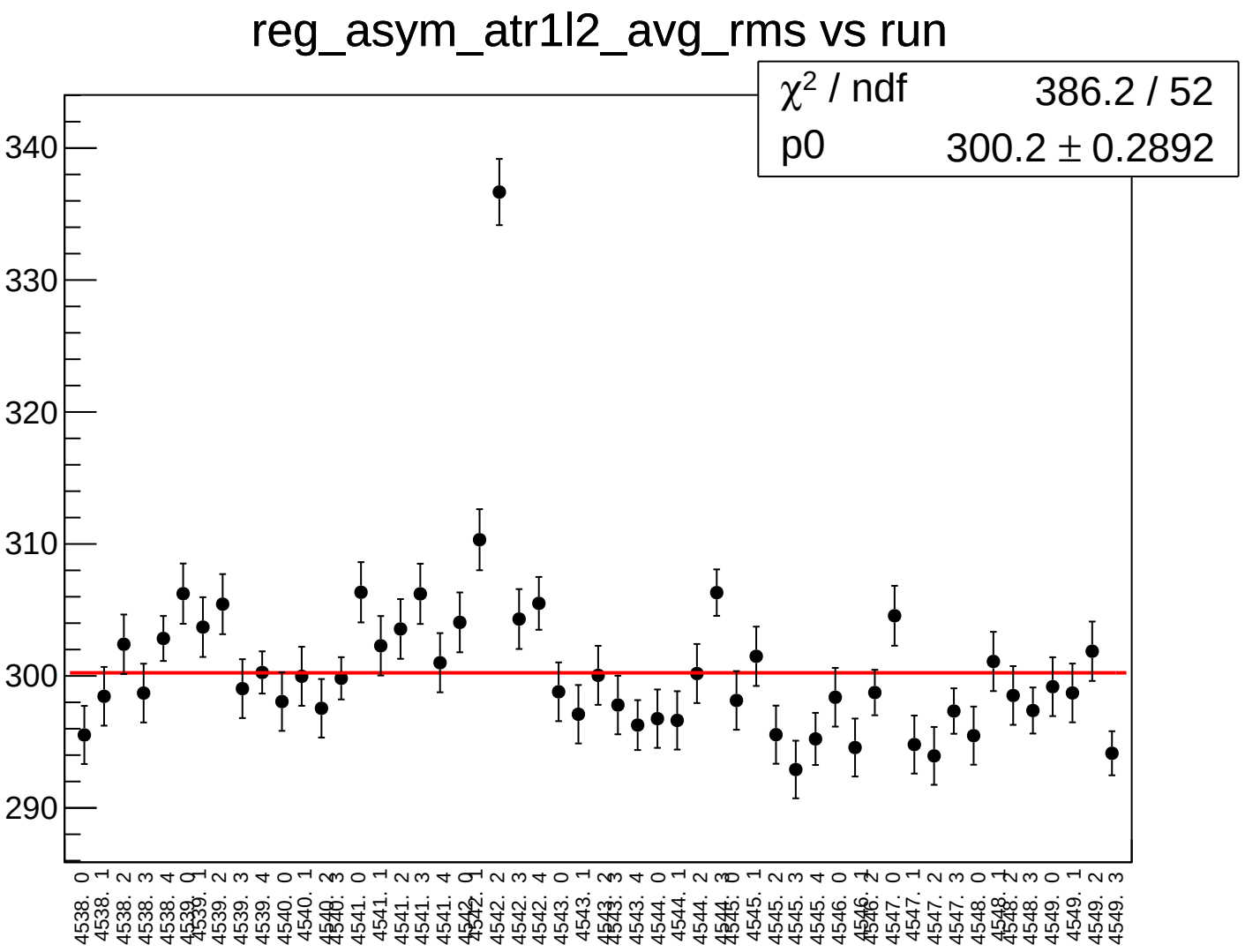

asym_atl1r2_dd_mean vs run
χ² / ndf 76.29 / 52
p0 873.1 ± 485.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 202.2
Std Dev 176
2
1
0
−1
−2
−3

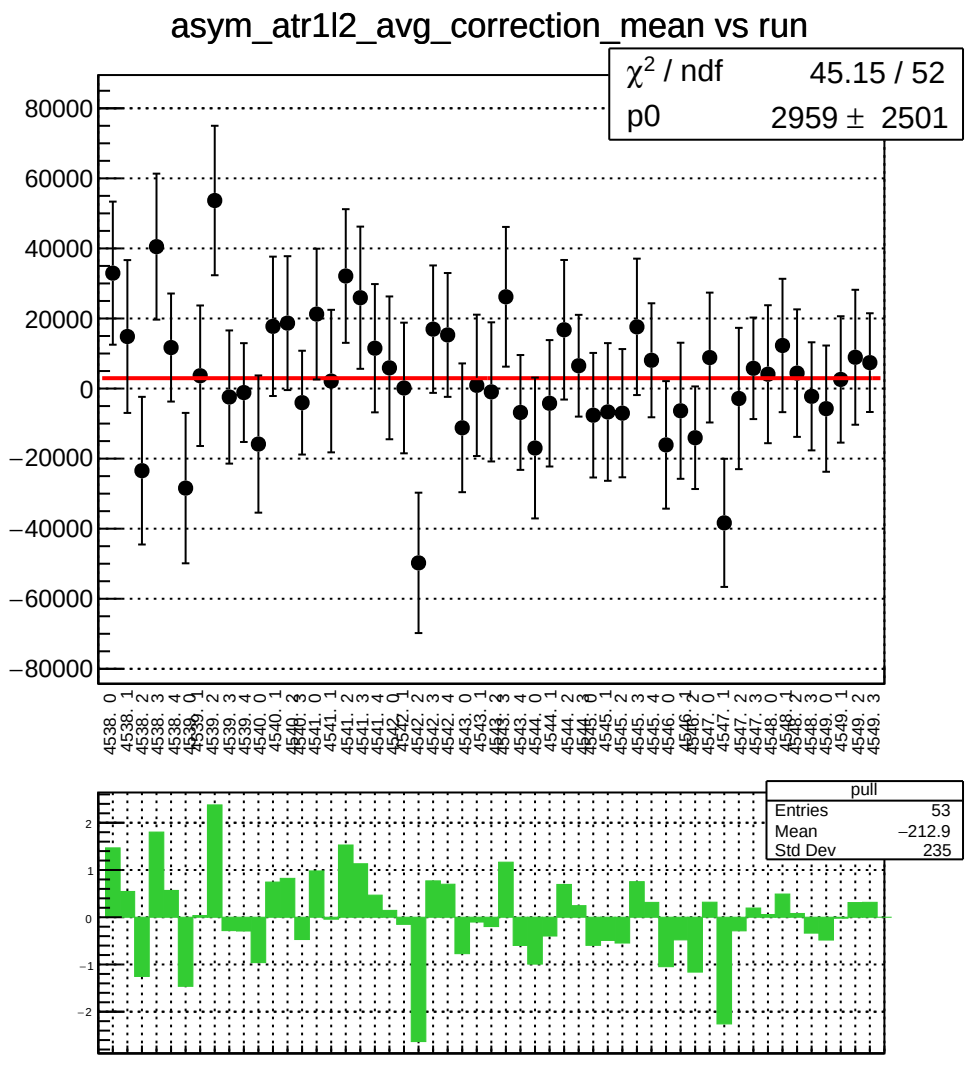

pull1D
Entries 53
Mean 0.006194
Std Dev 1.2
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

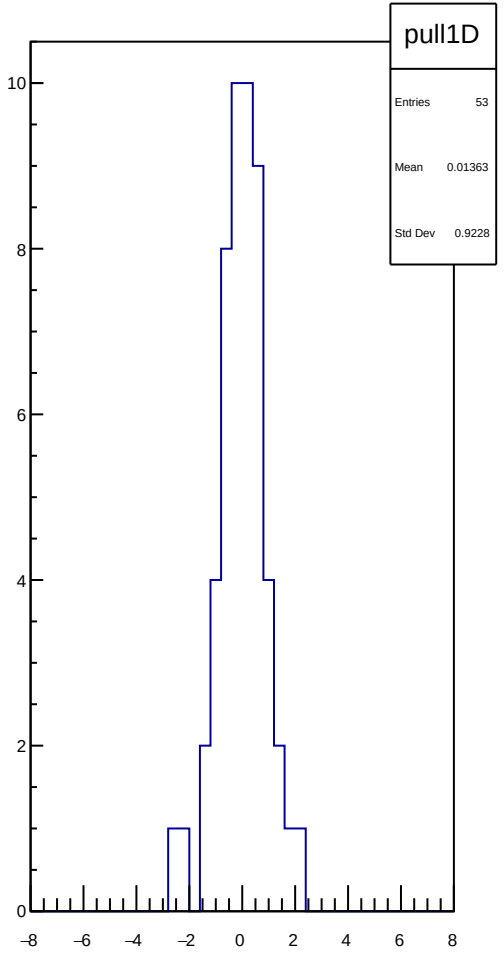

asym_atl1r2_dd_rms vs run
χ² / ndf 180.3 / 52
p0 356.2 ± 0.343
370
365
360
355
350
345
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

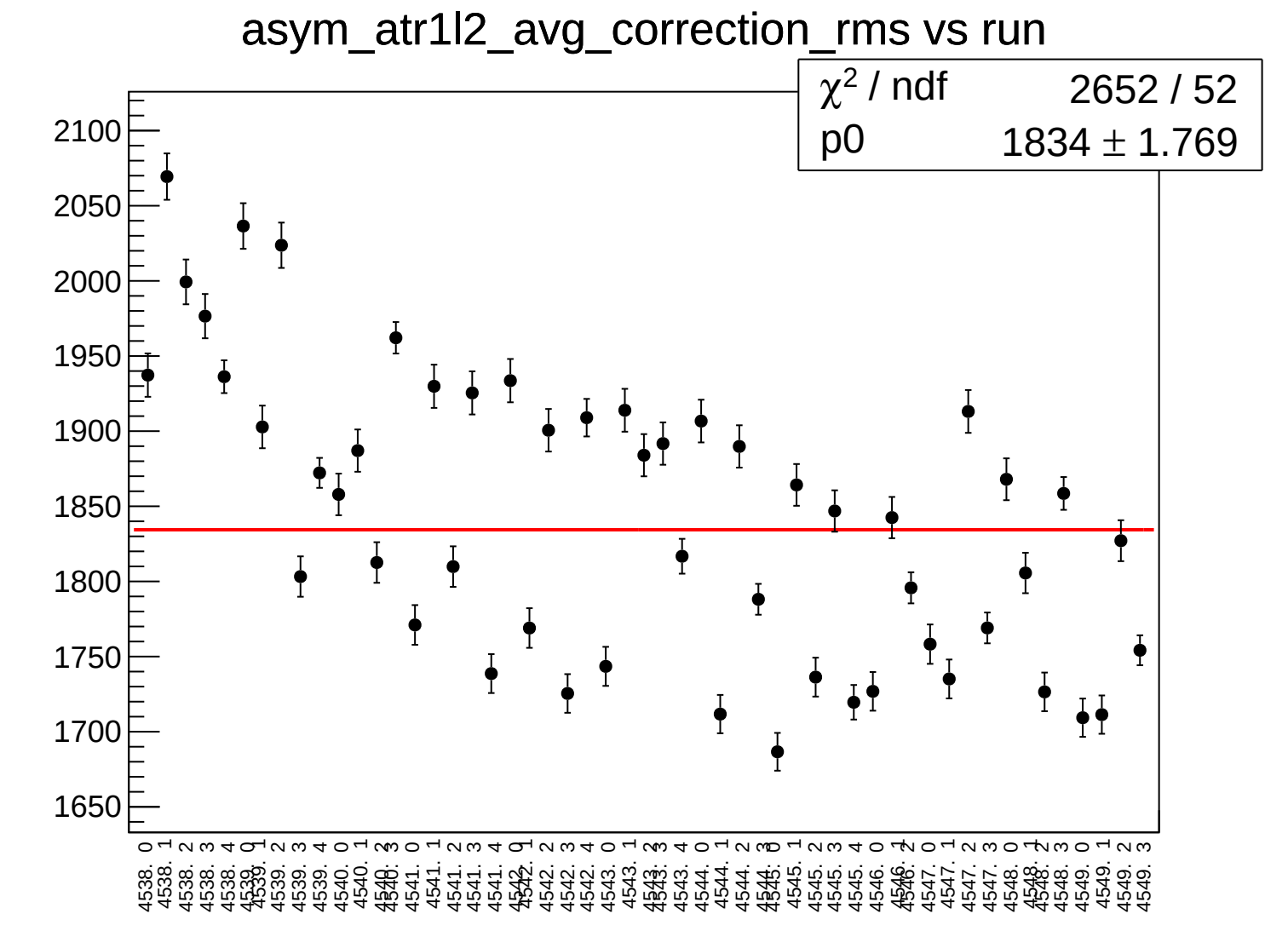

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 49.46 / 52
p0 −459.1± 409
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 284
Std Dev 256.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

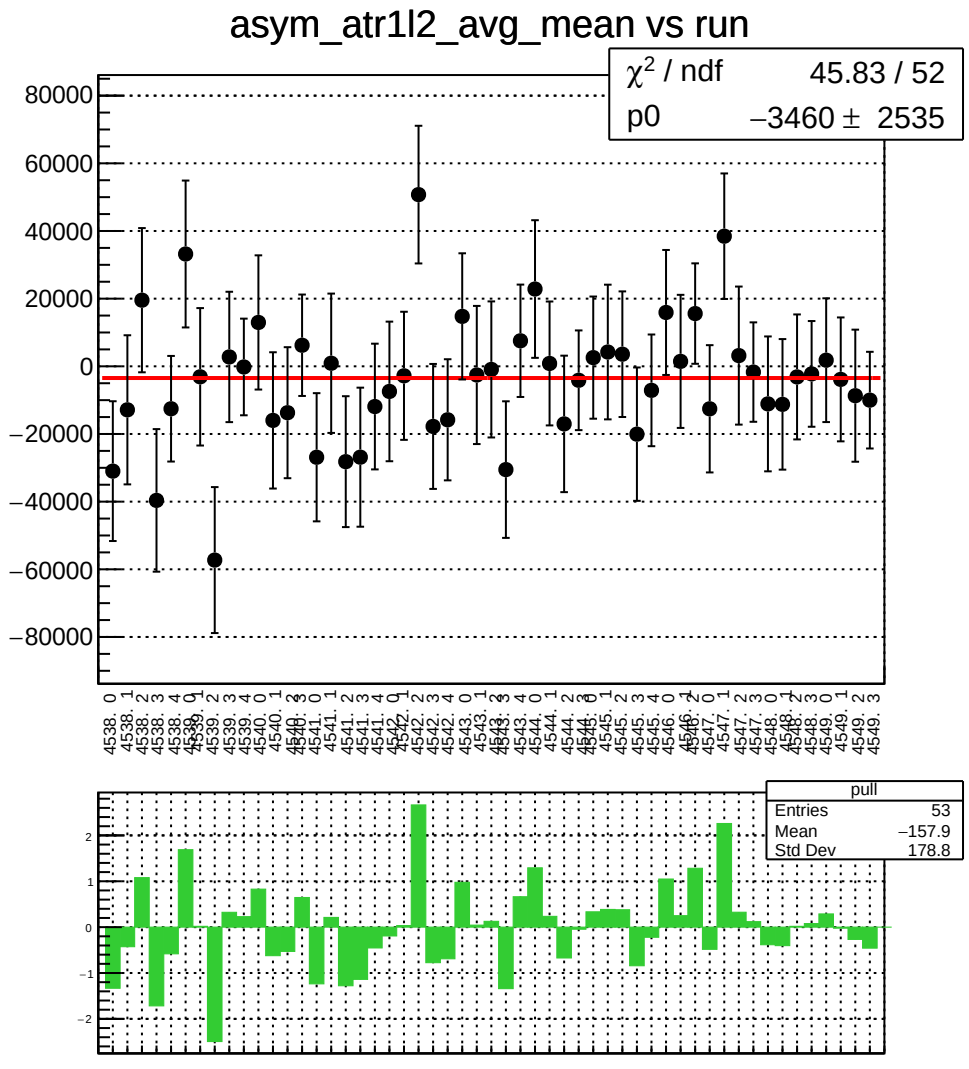

pull1D
Entries 53
Mean −0.01322
Std Dev 0.966
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

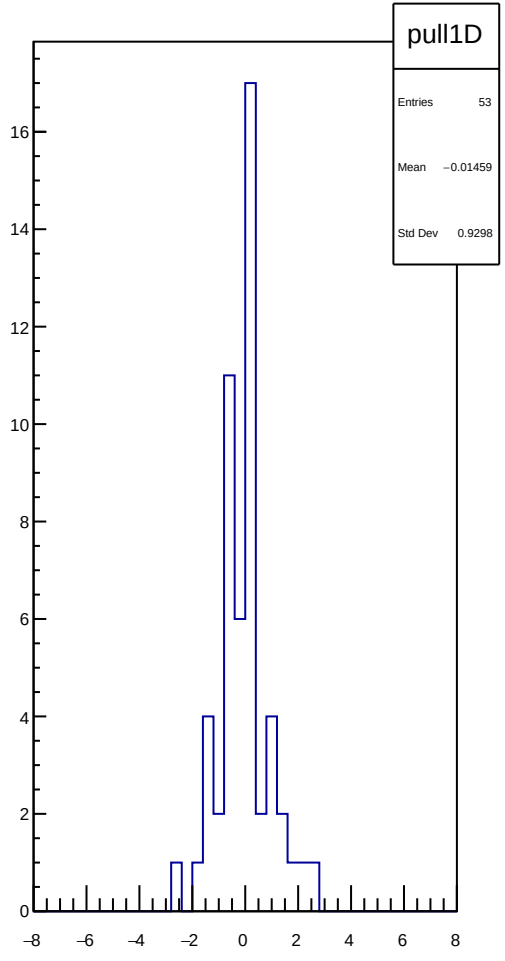

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 386.2 / 52
p0 300.2 ± 0.2892
340
330
320
310
300
290
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

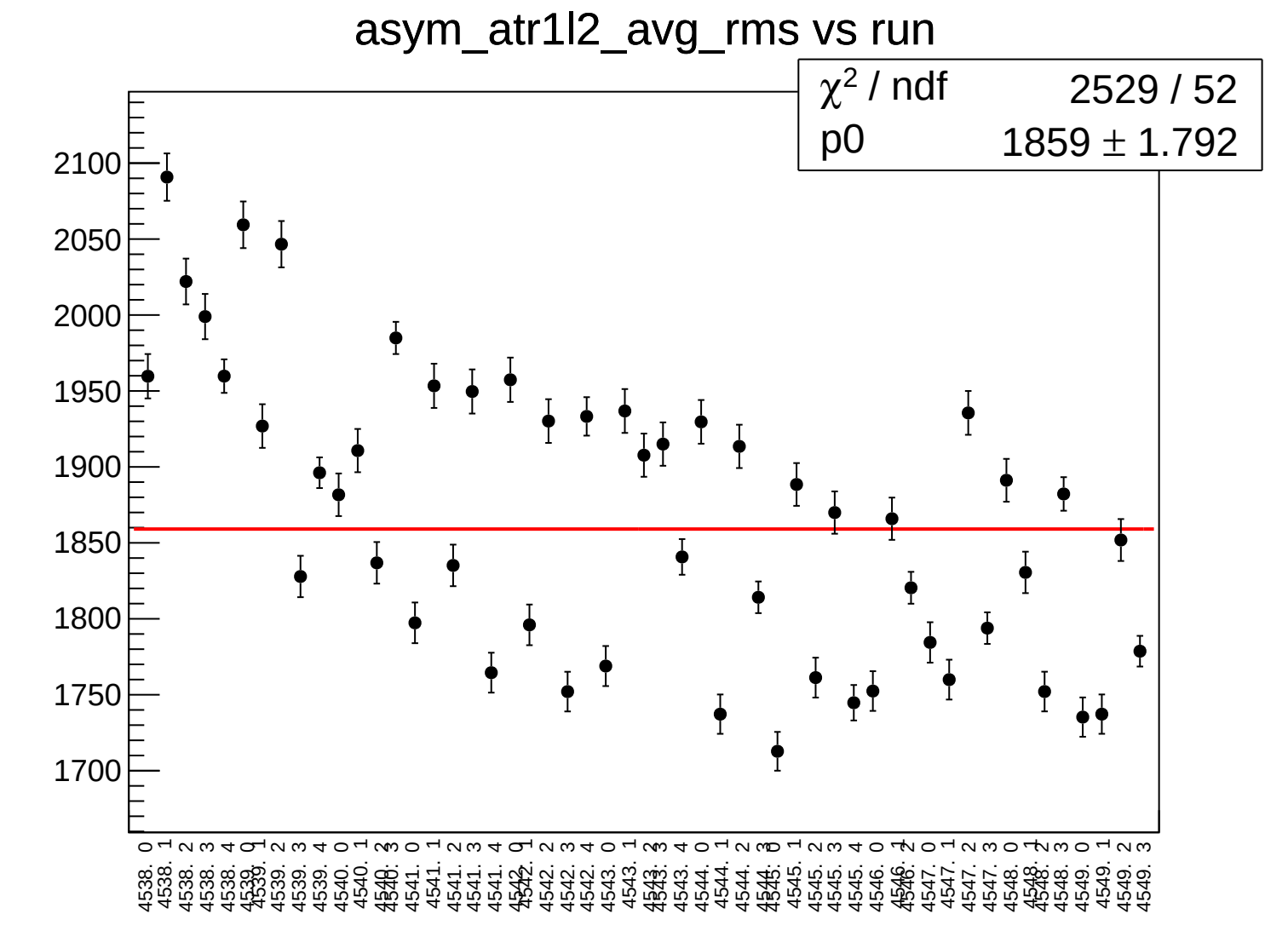

asym_atr1l2_avg_correction_mean vs run
χ² / ndf 45.15 / 52
p0 2959 ± 2501
pull
Entries 53
Mean −212.9
Std Dev 235

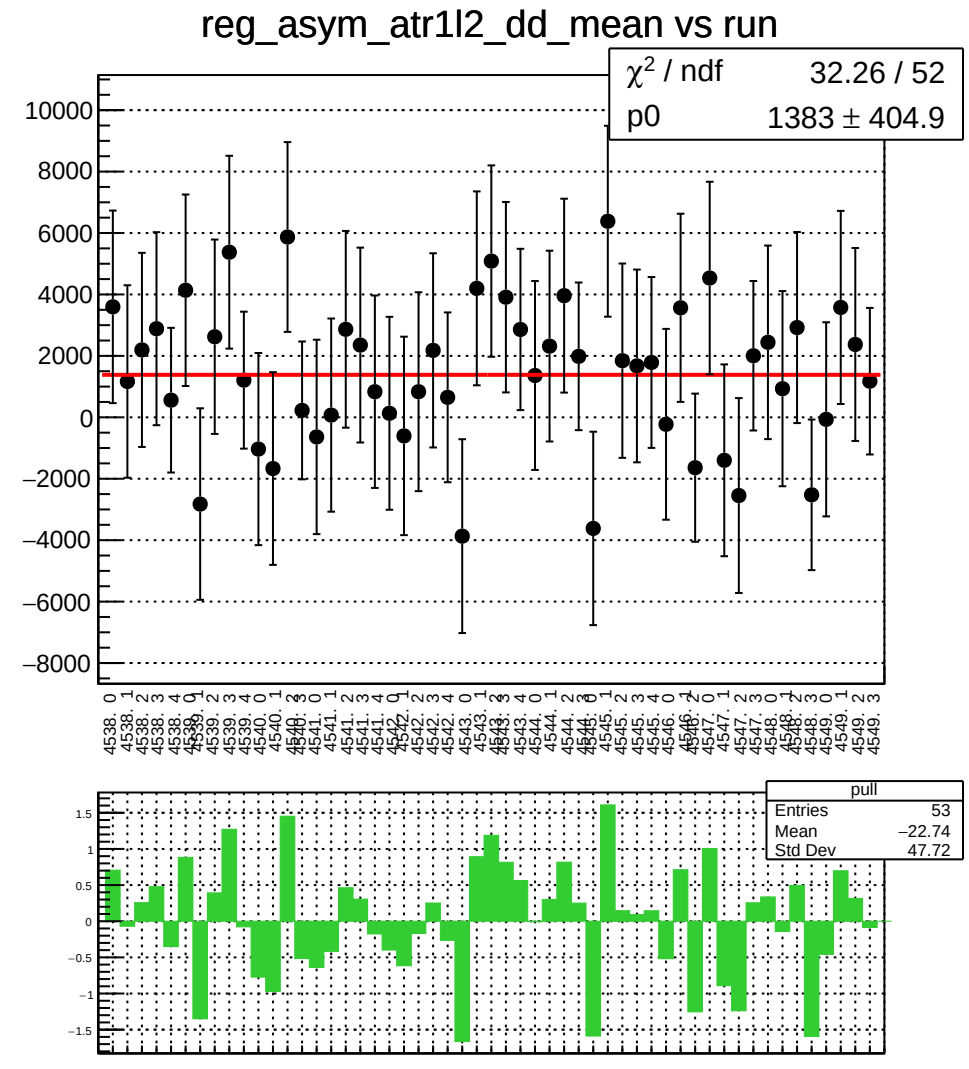

pull1D
Entries 53
Mean 0.01363
Std Dev 0.9228

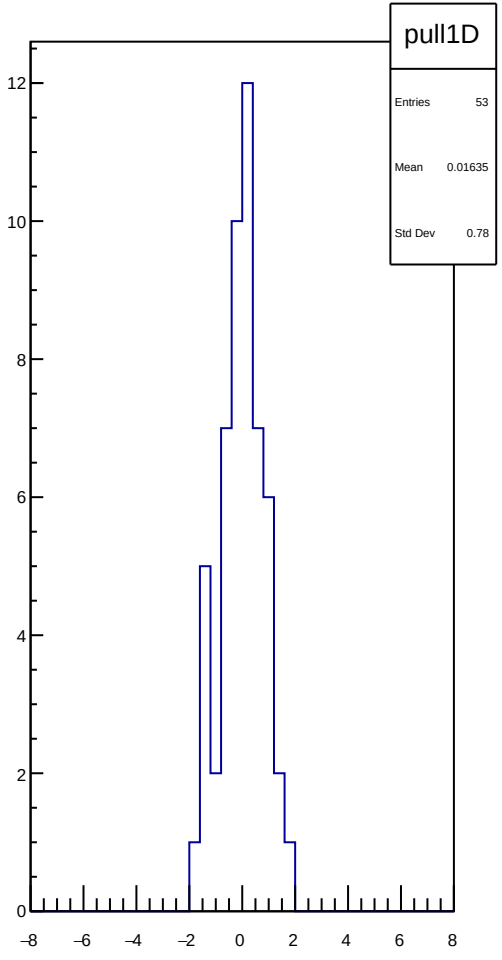

asym_atr1l2_avg_correction_rms vs run
χ² / ndf 2652 / 52
p0 1834 ± 1.769
2100
2050
2000
1950
1900
1850
1800
1750
1700
1650
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

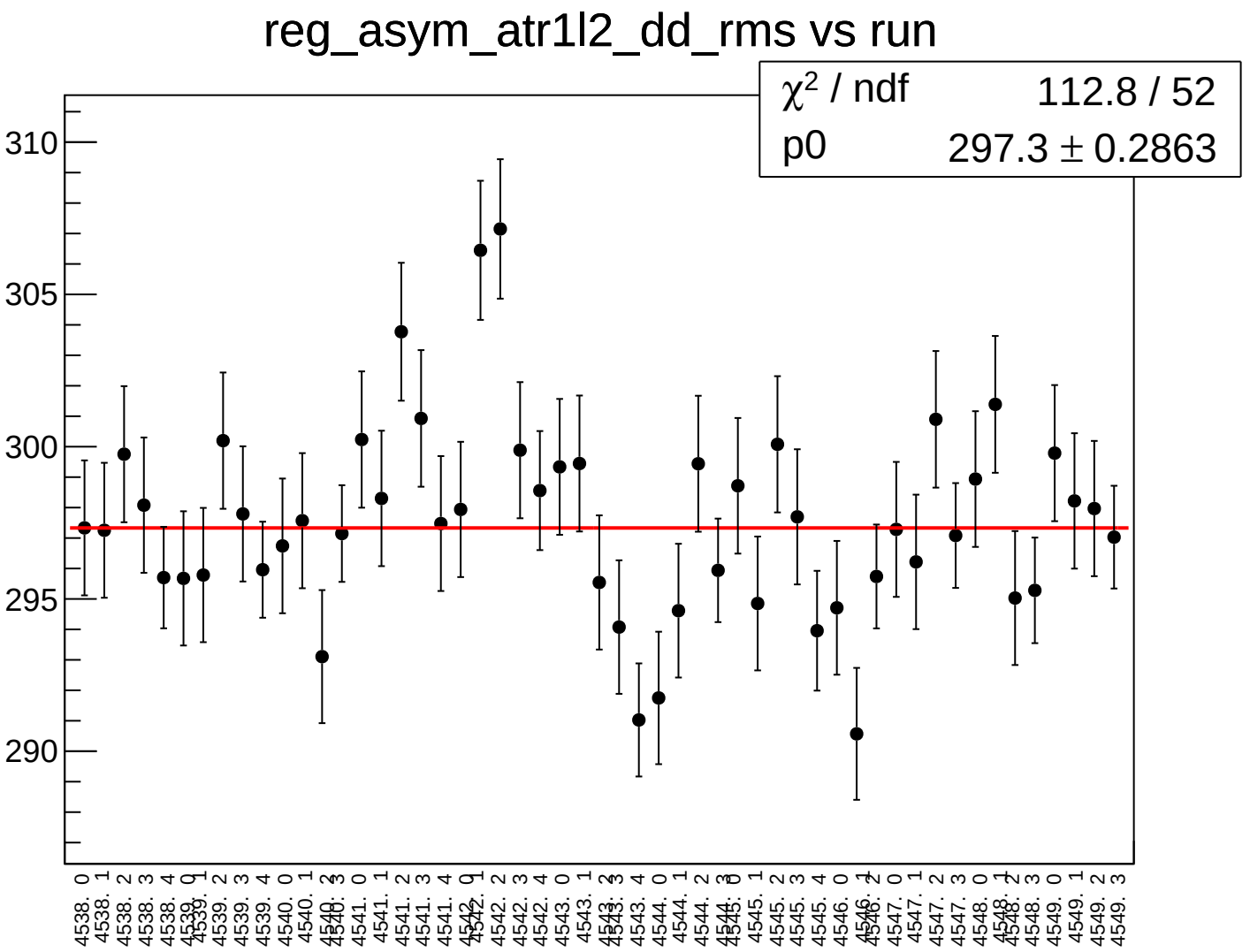

asym_atr1l2_avg_mean vs run
χ² / ndf 45.83 / 52
p0 −3460 ± 2535
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −157.9
Std Dev 178.8
2
1
0
−1
−2

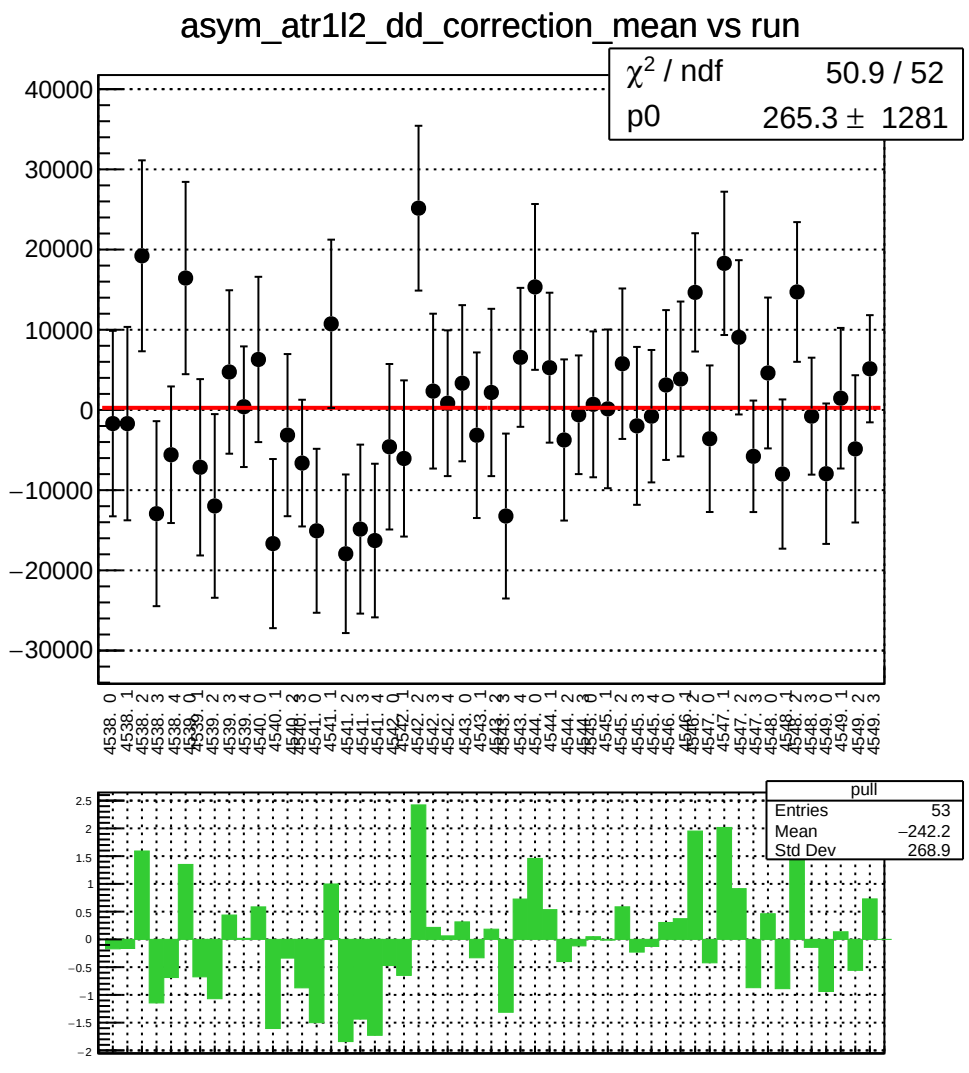

pull1D
Entries 53
Mean −0.01459
Std Dev 0.9298
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

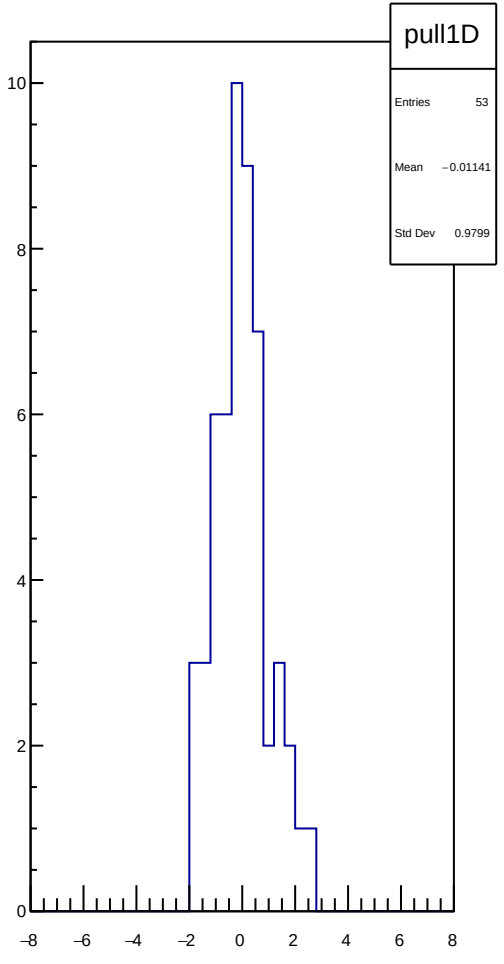

asym_atr1l2_avg_rms vs run
χ^2 / ndf 2529 / 52
p0 1859 ± 1.792
2100
2050
2000
1950
1900
1850
1800
1750
1700
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

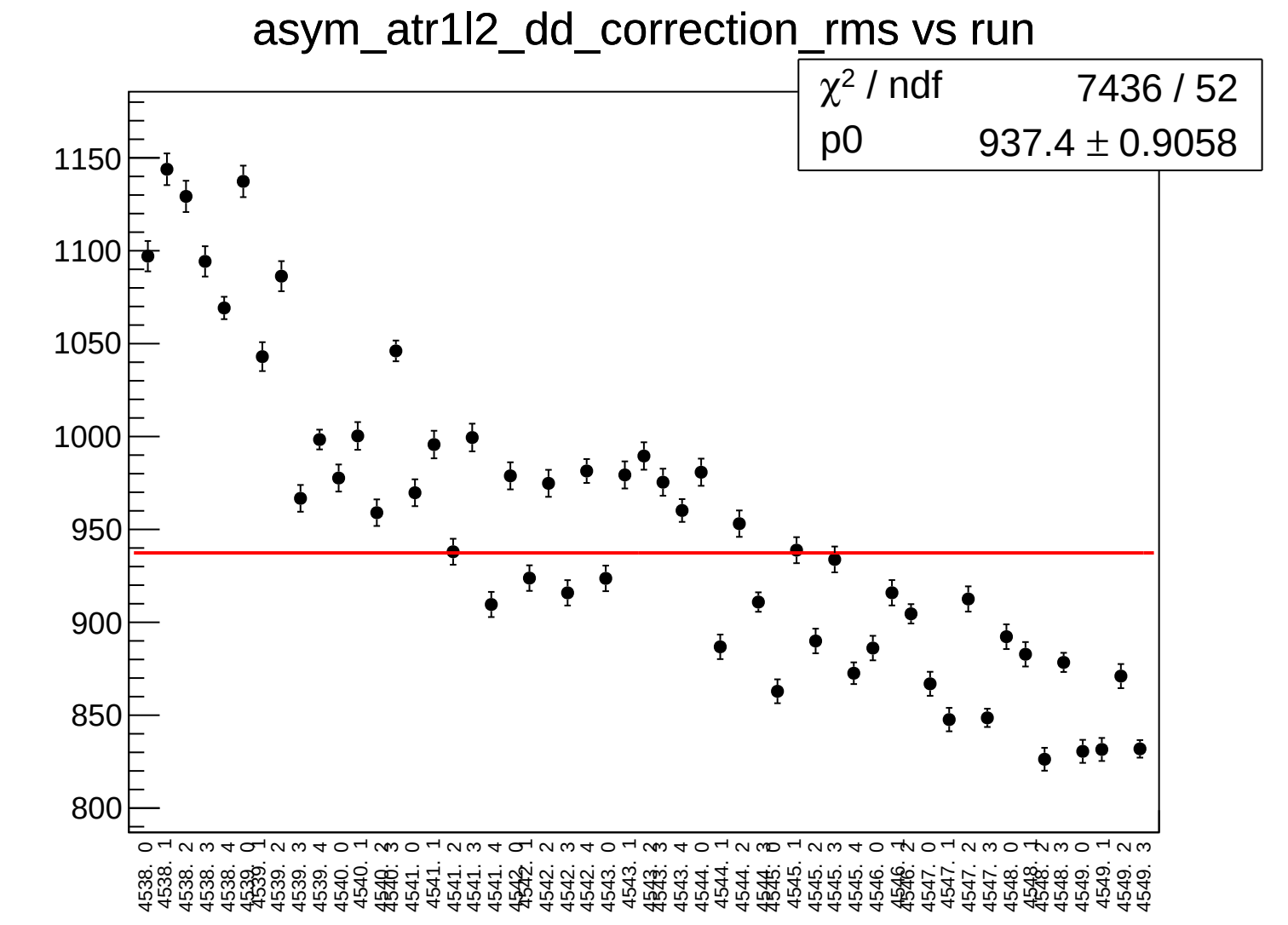

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 32.26 / 52
p0 1383 ± 404.9
pull
Entries 53
Mean −22.74
Std Dev 47.72

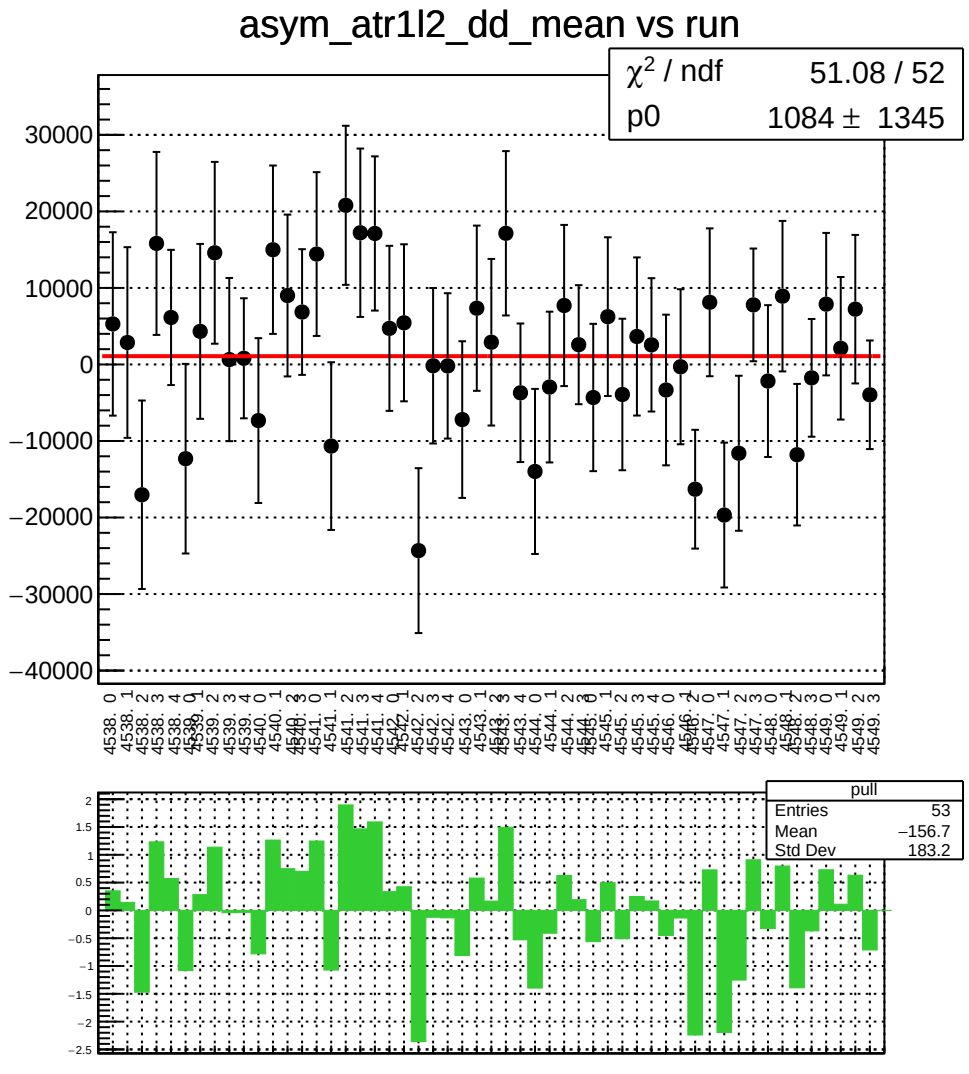

pull1D
Entries 53
Mean 0.01635
Std Dev 0.78

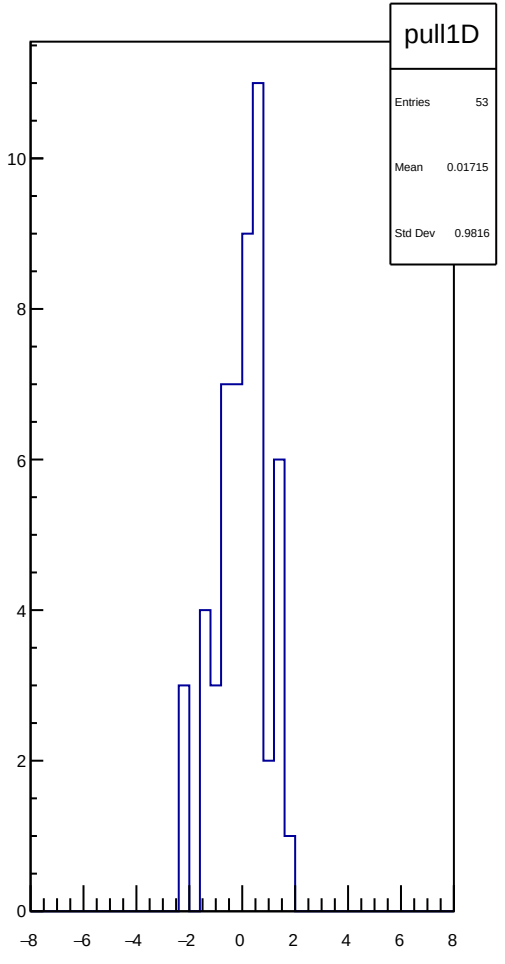

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 112.8 / 52
p0 297.3 ± 0.2863
310
305
300
295
290
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

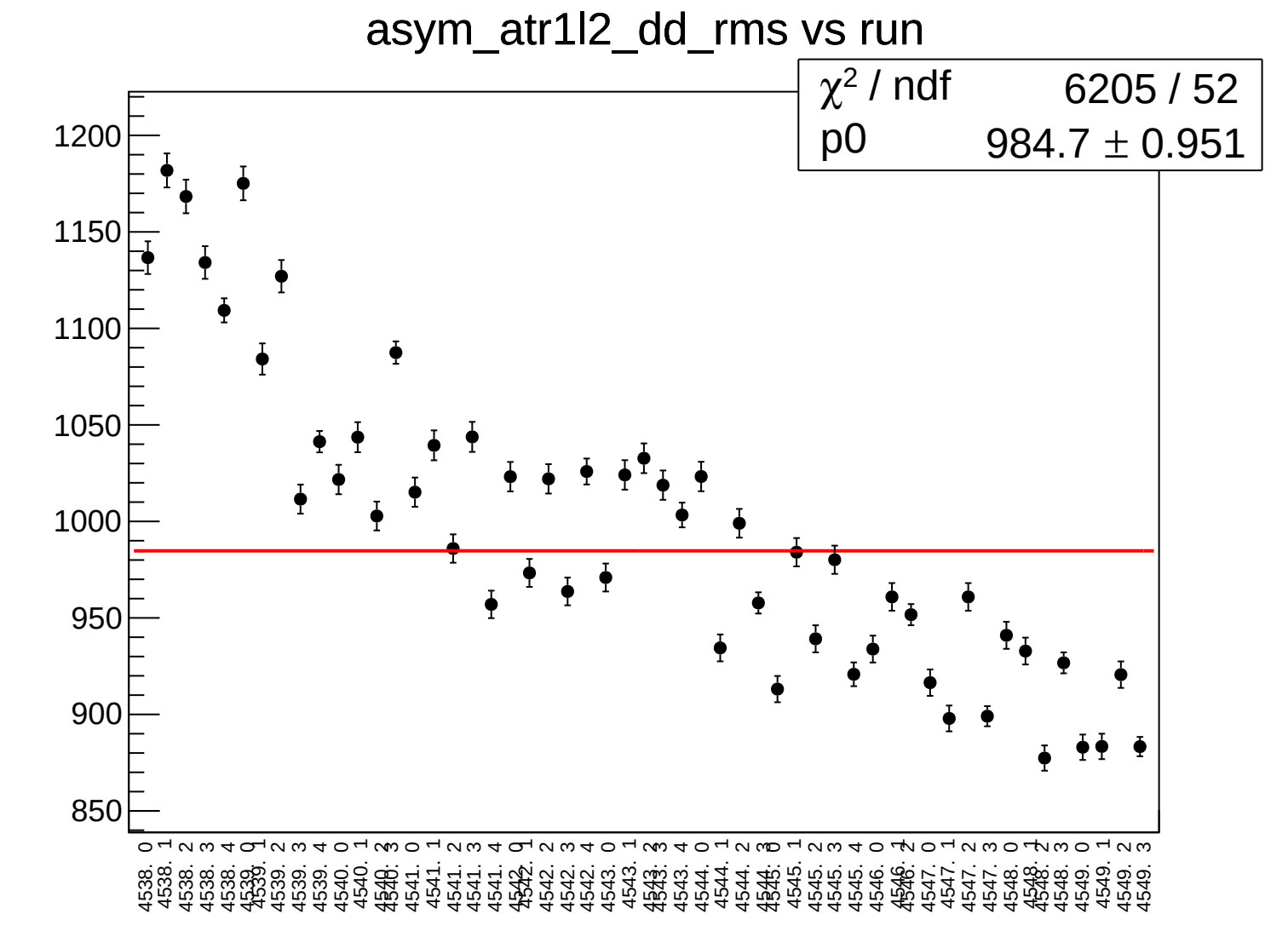

asym_atr1l2_dd_correction_mean vs run
χ² / ndf 50.9 / 52
p0 265.3 ± 1281
pull
Entries 53
Mean −242.2
Std Dev 268.9

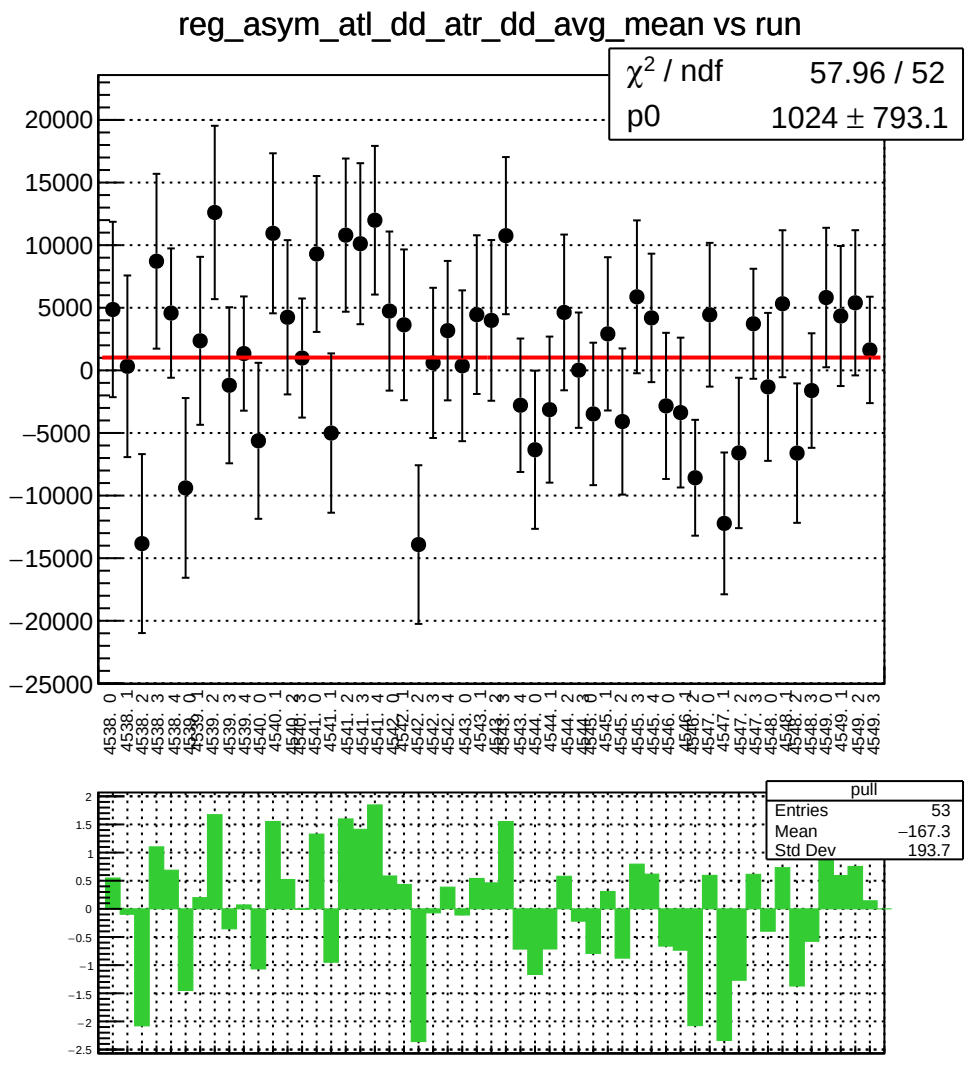

pull1D
Entries 53
Mean −0.01141
Std Dev 0.9799

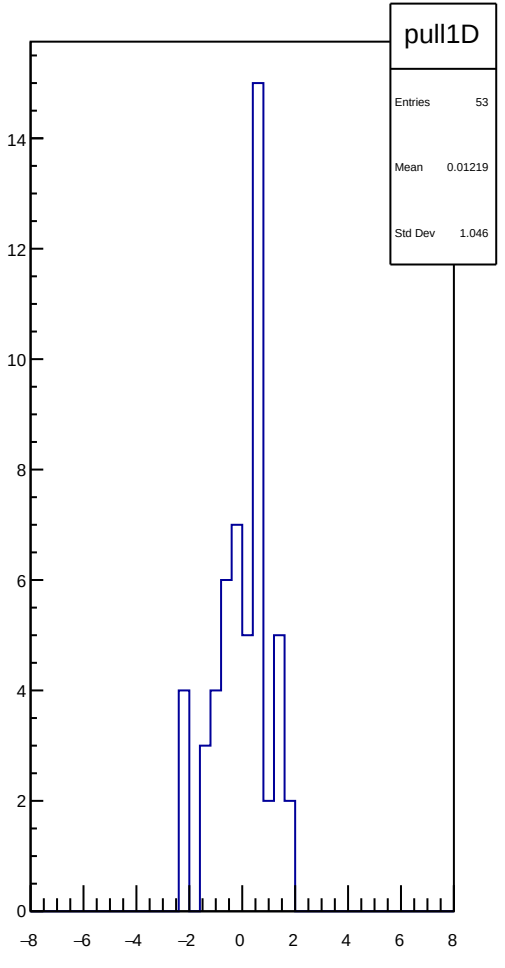

asym_atr1l2_dd_correction_rms vs run
χ² / ndf 7436 / 52
p0 937.4 ± 0.9058
1150
1100
1050
1000
950
900
850
800
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

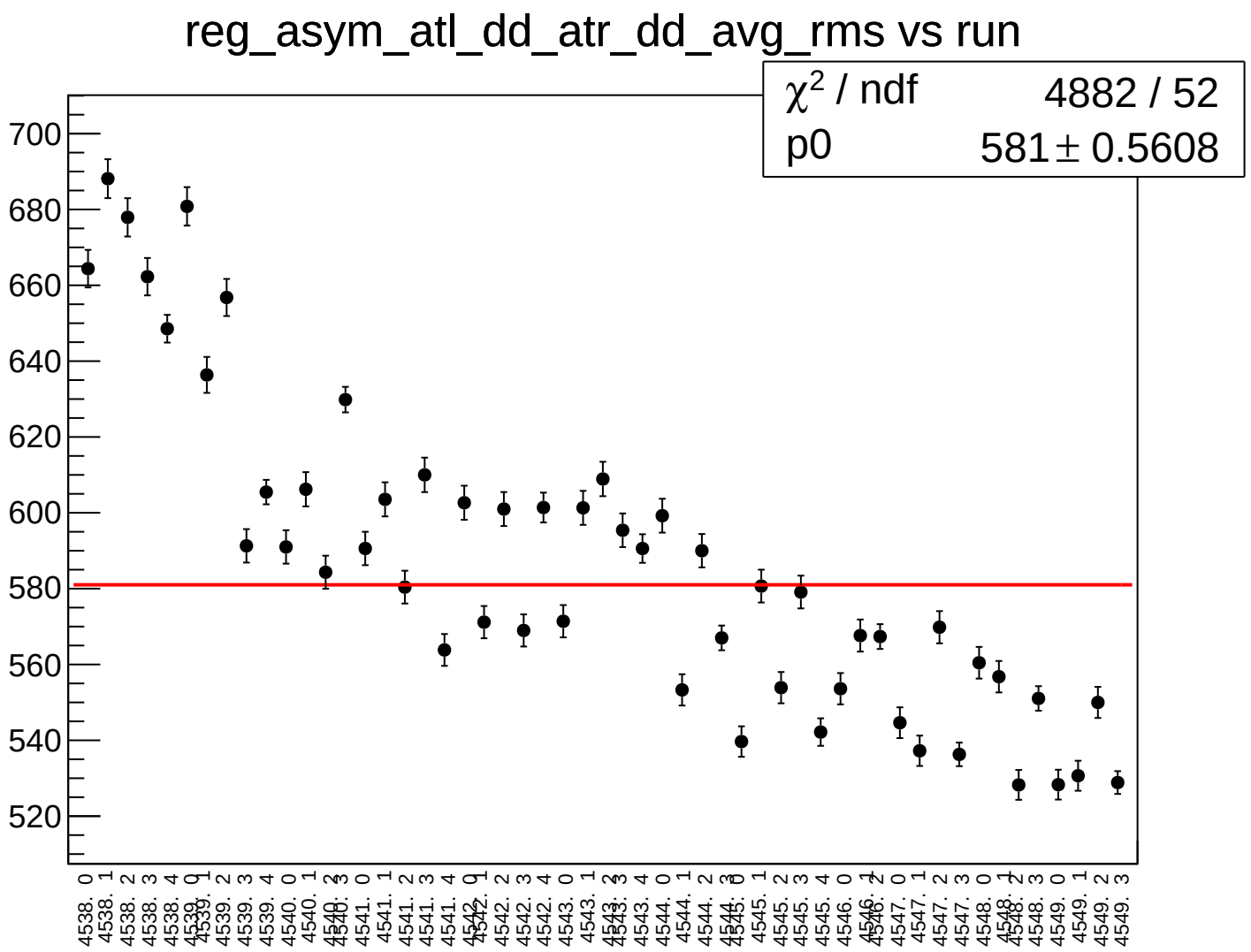

asym_atr1l2_dd_mean vs run
χ² / ndf 51.08 / 52
p0 1084 ± 1345
pull
Entries 53
Mean −156.7
Std Dev 183.2

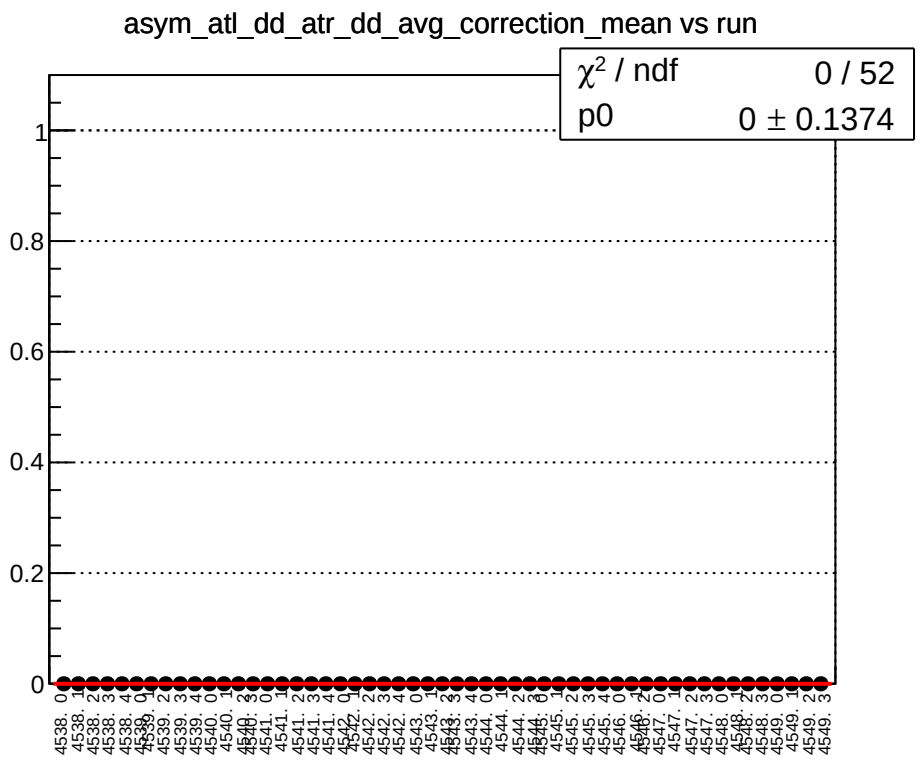

pull1D
Entries 53
Mean 0.01715
Std Dev 0.9816

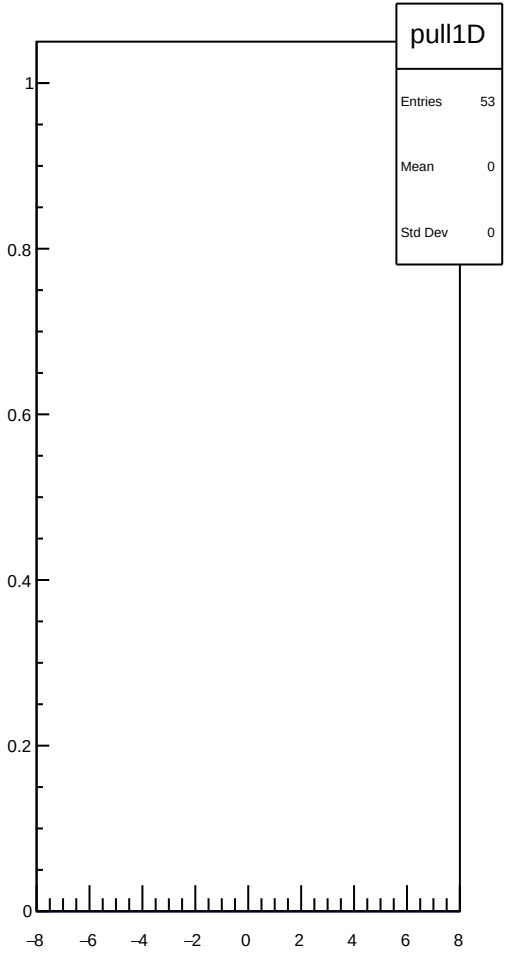

asym_atr1l2_dd_rms vs run
χ² / ndf 6205 / 52
p0 984.7 ± 0.951
1200
1150
1100
1050
1000
950
900
850
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

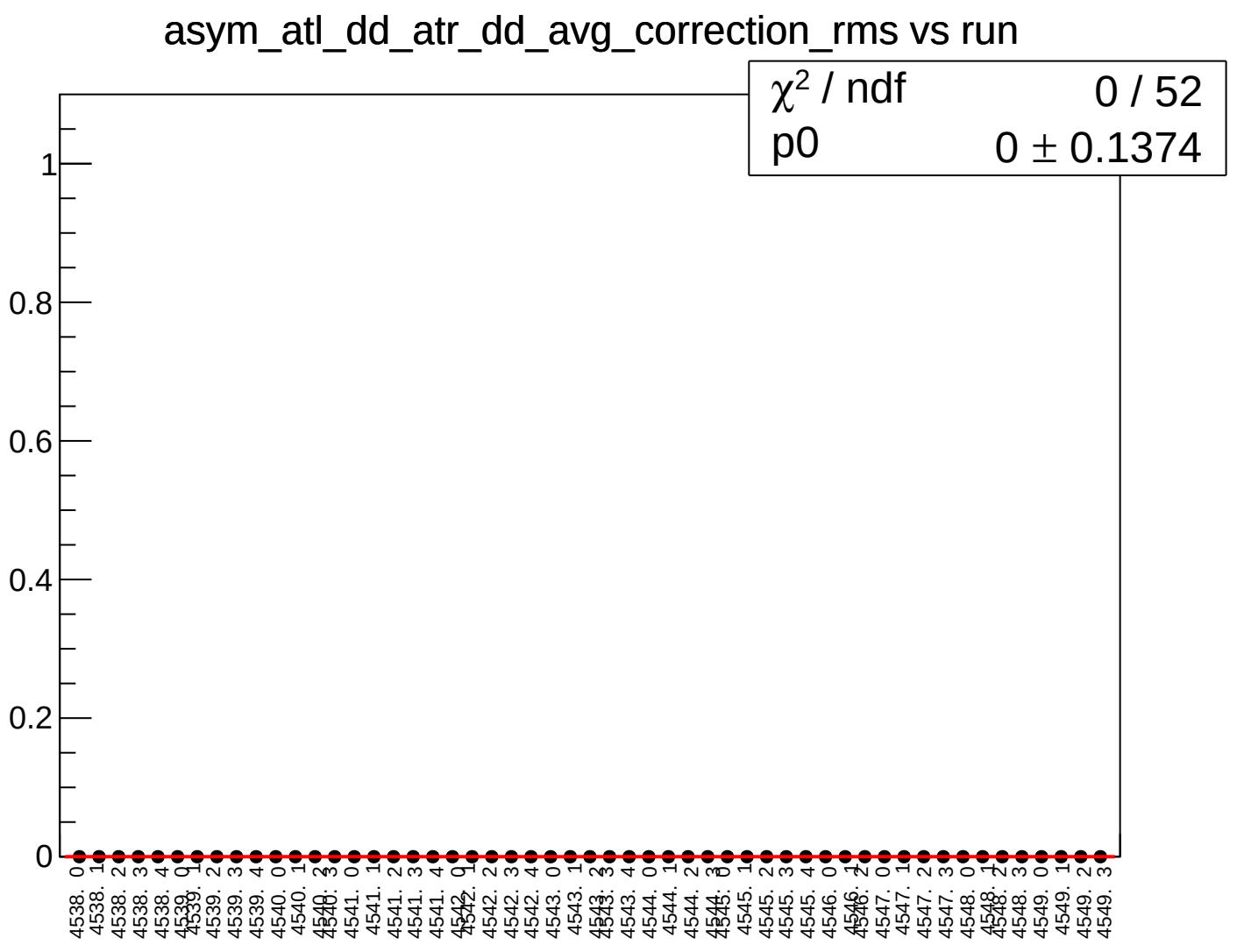

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 57.96 / 52
p0 1024 ± 793.1
pull
Entries 53
Mean −167.3
Std Dev 193.7


pull1D
Entries 53
Mean 0.01219
Std Dev 1.046


reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4882 / 52
p0 581 ± 0.5608
700
680
660
640
620
600
580
560
540
520
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


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


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


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
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4545. 0
4545. 1
4545. 2
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4545. 4
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4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
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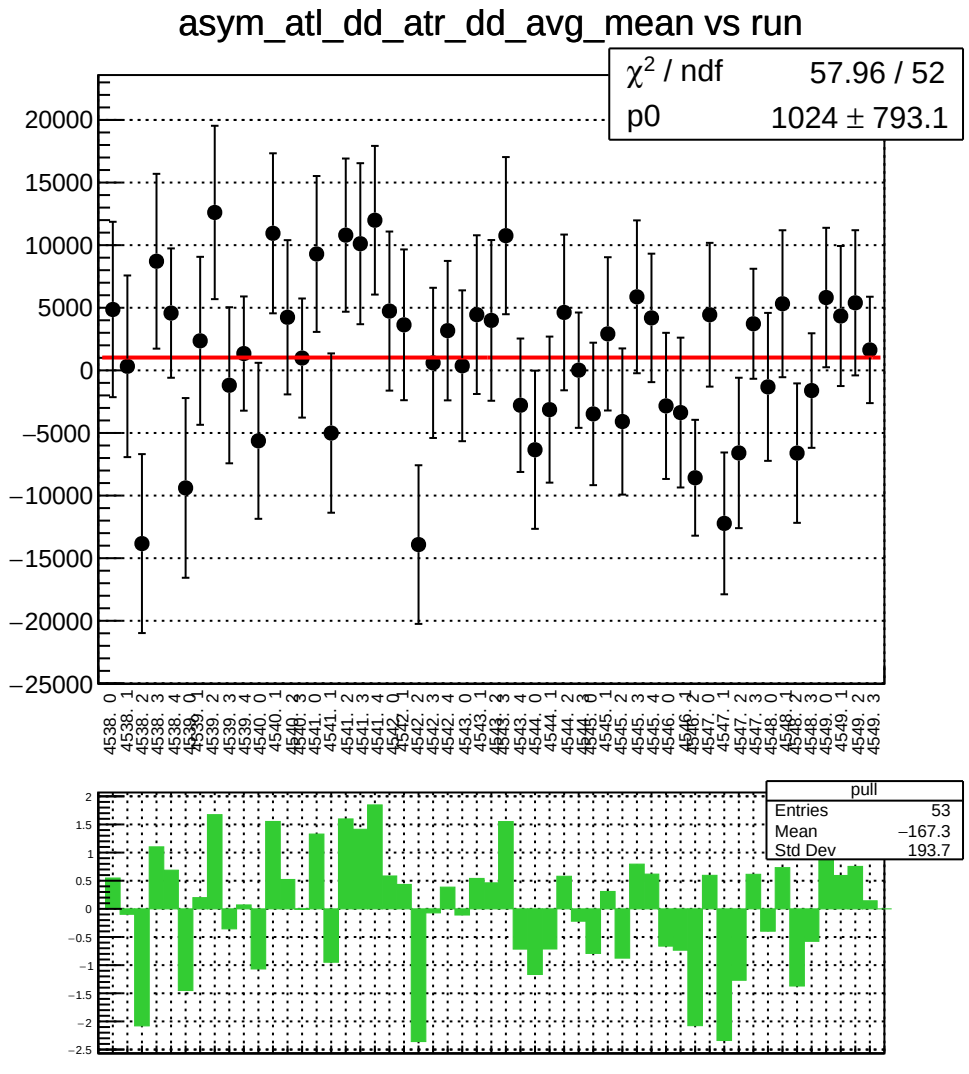
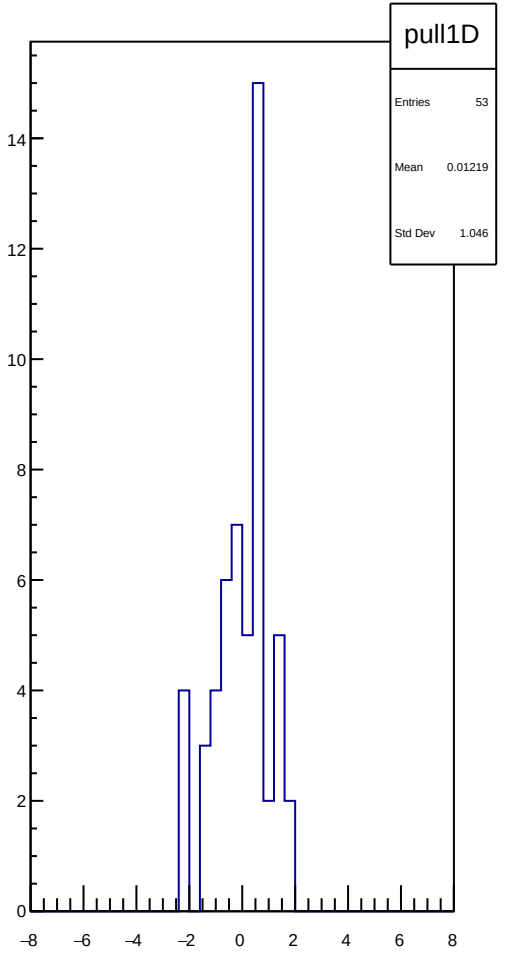
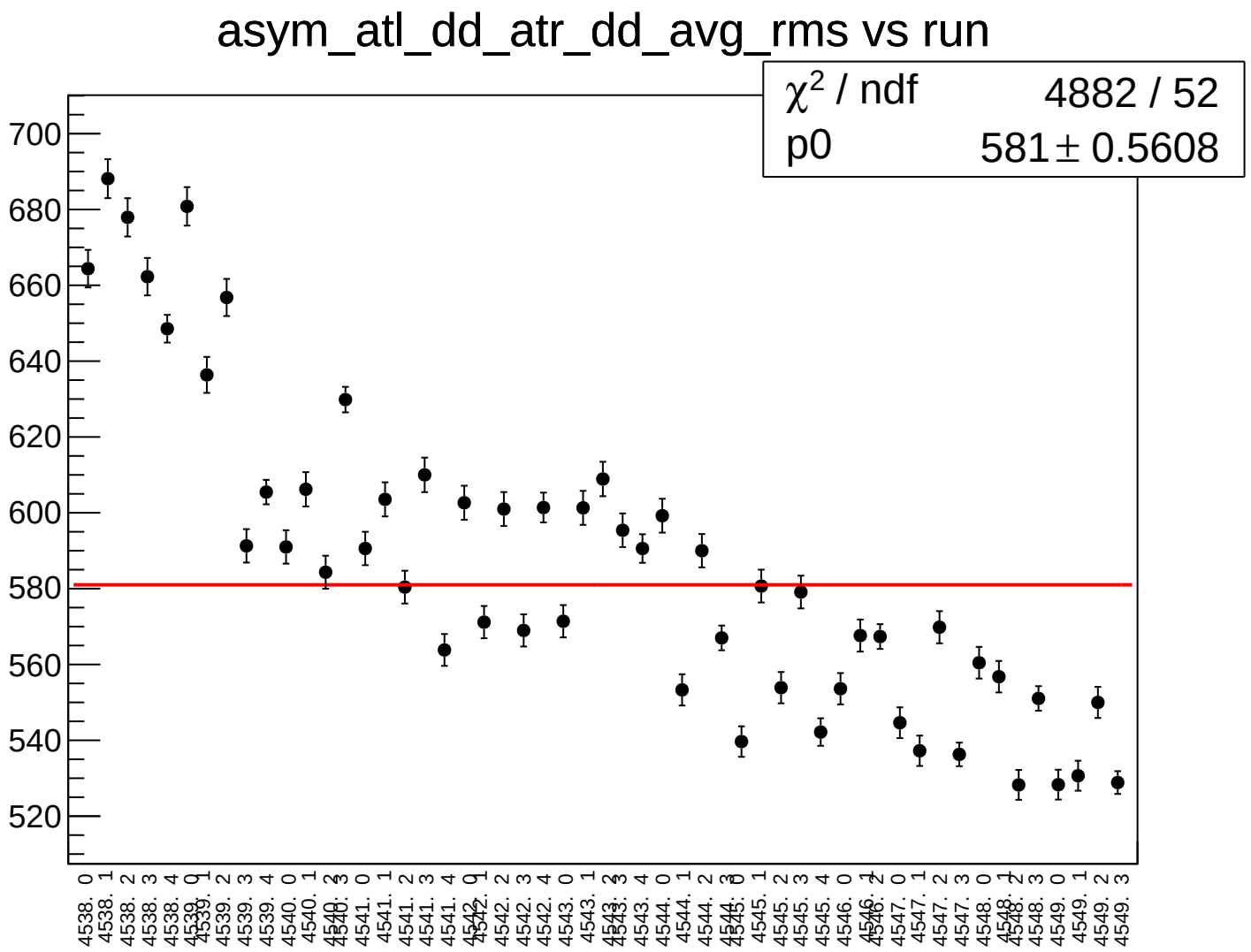
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 57.96 / 52
p0 1024 ± 793.1
pull
Entries 53
Mean −167.3
Std Dev 193.7


pull1D
Entries 53
Mean 0.01219
Std Dev 1.046


asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4882 / 52
p0 581 ± 0.5608
700
680
660
640
620
600
580
560
540
520
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
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4544. 0
4544. 1
4544. 2
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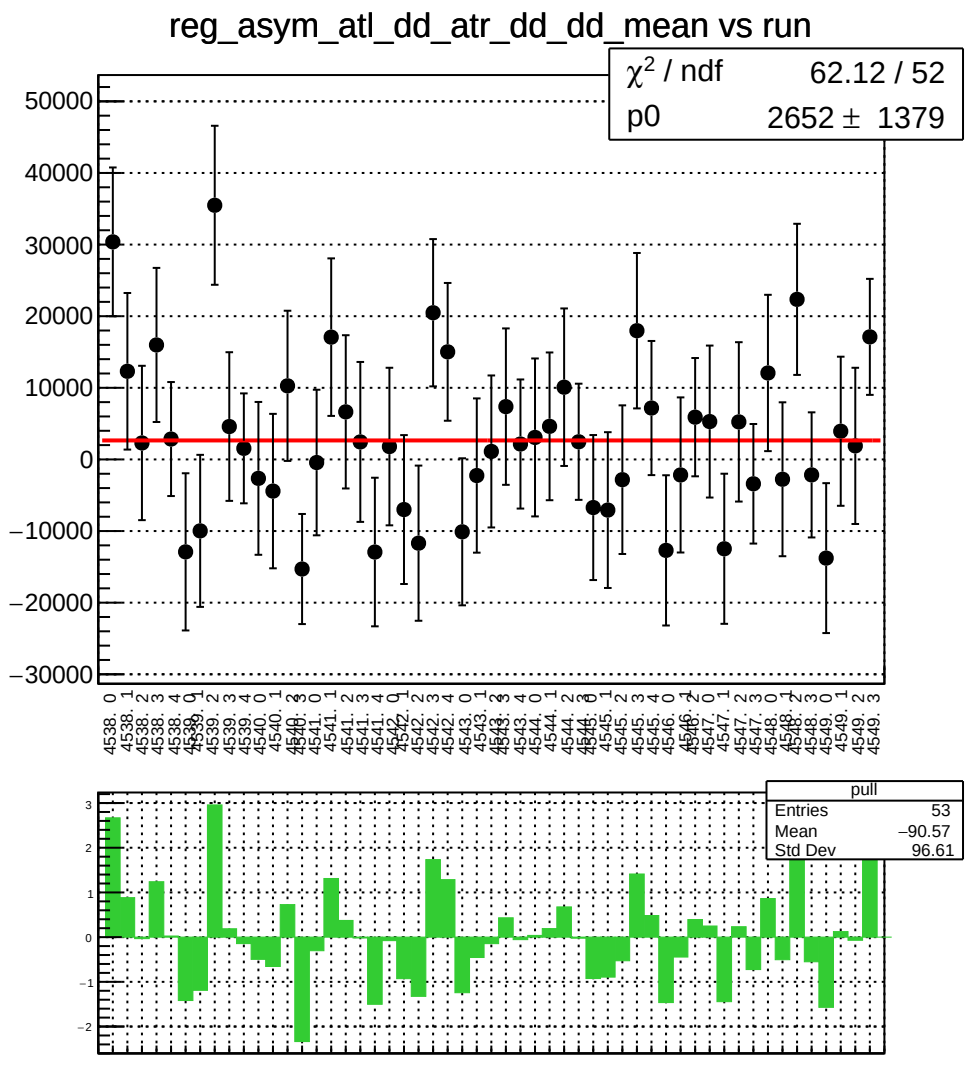
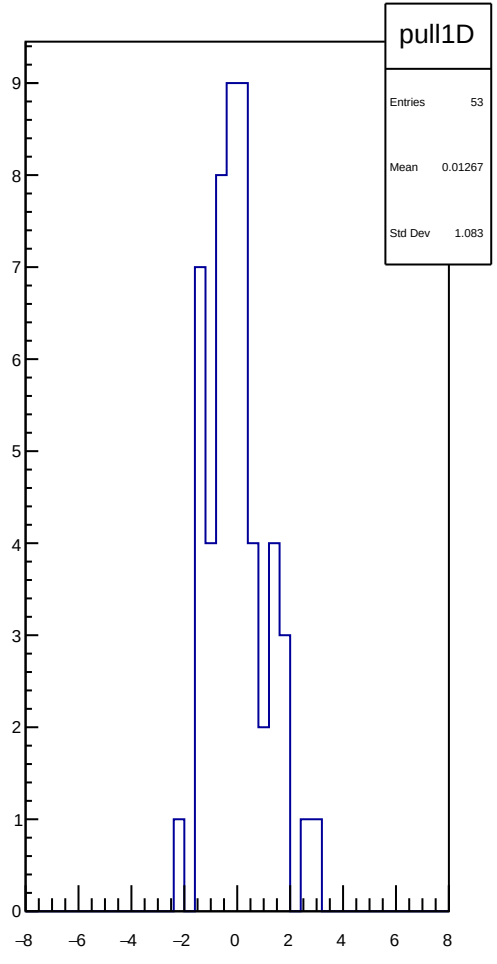
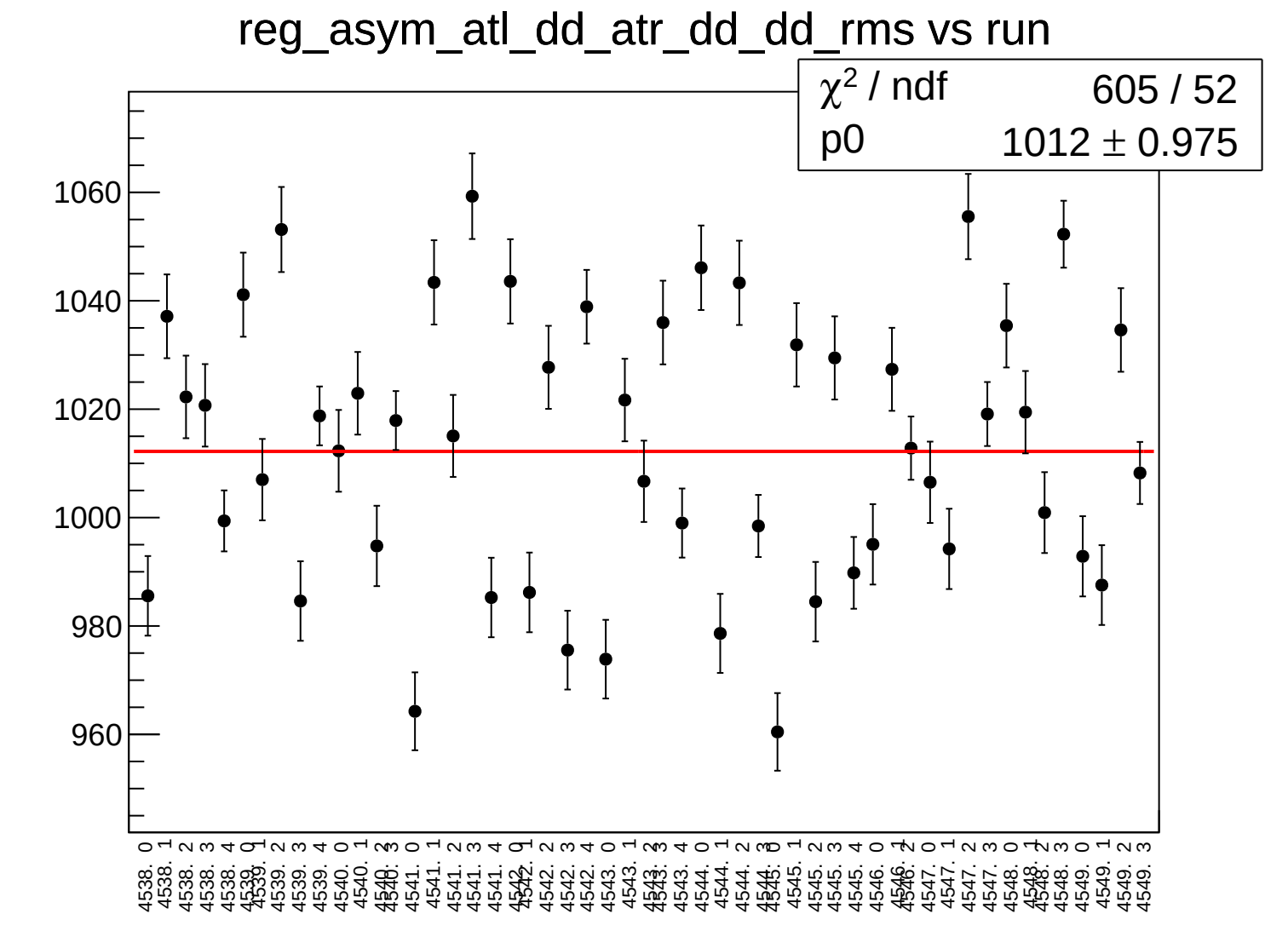
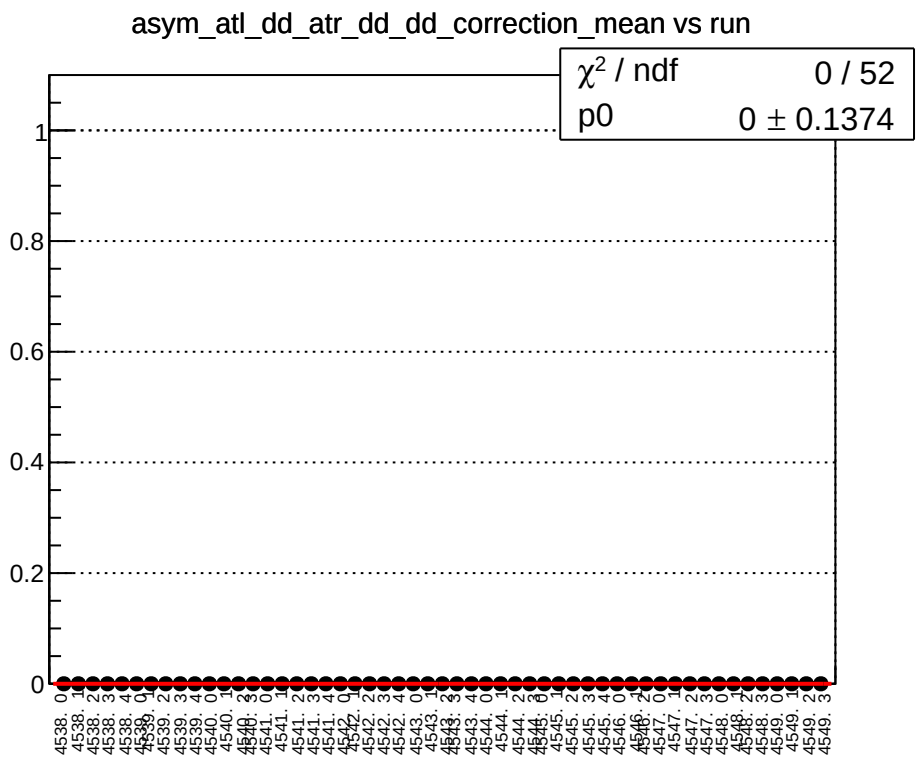
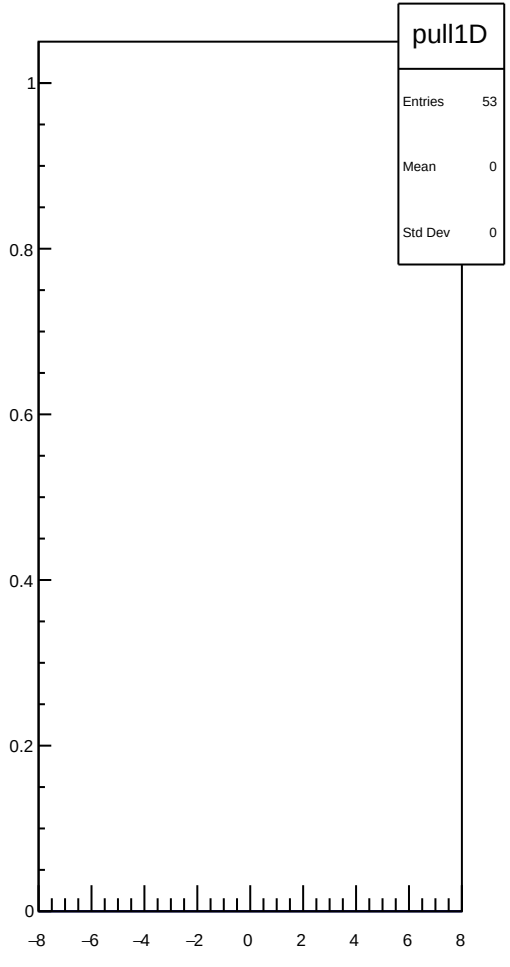
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

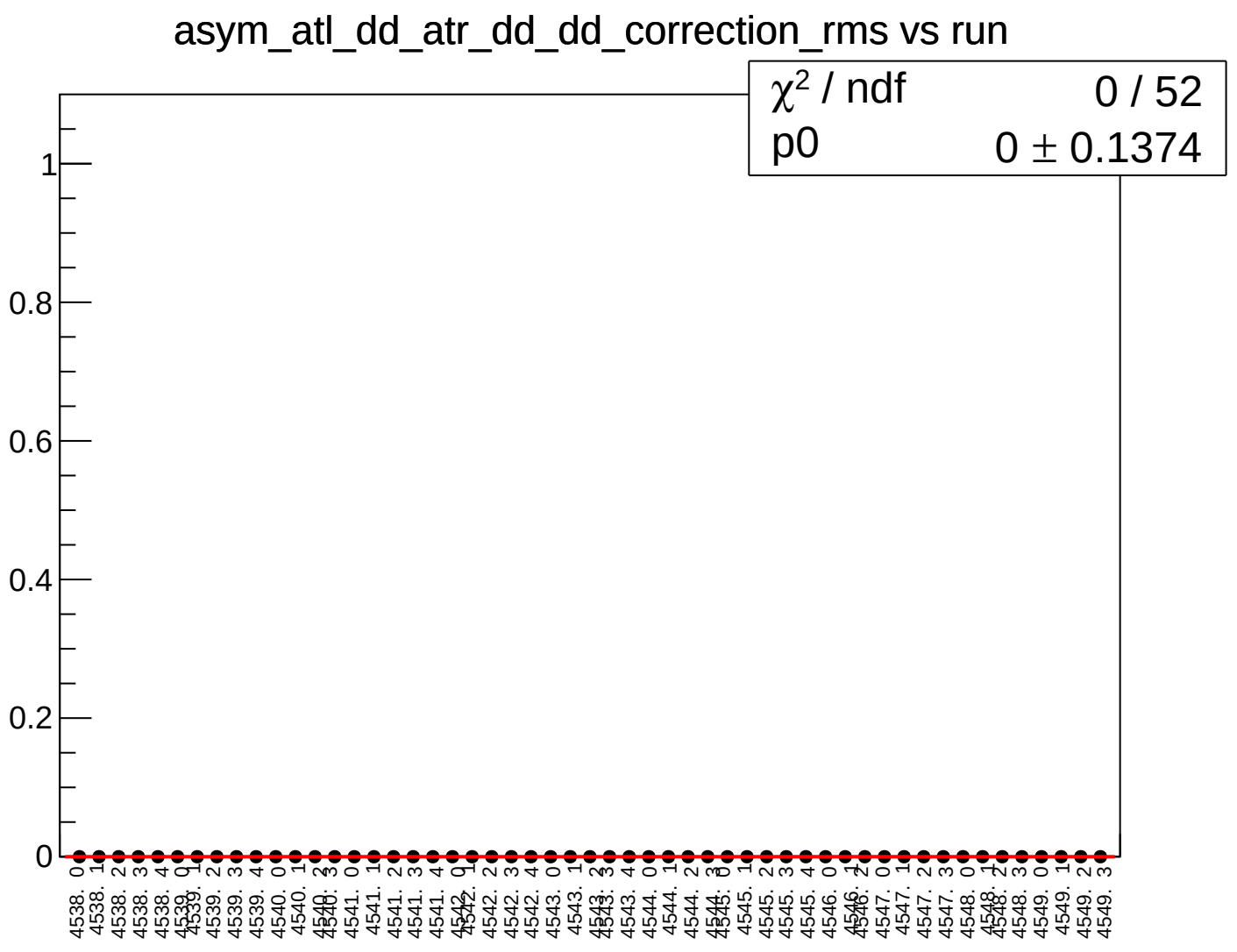

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 62.12 / 52
p0 2652 ± 1379
pull
Entries 53
Mean −90.57
Std Dev 96.61

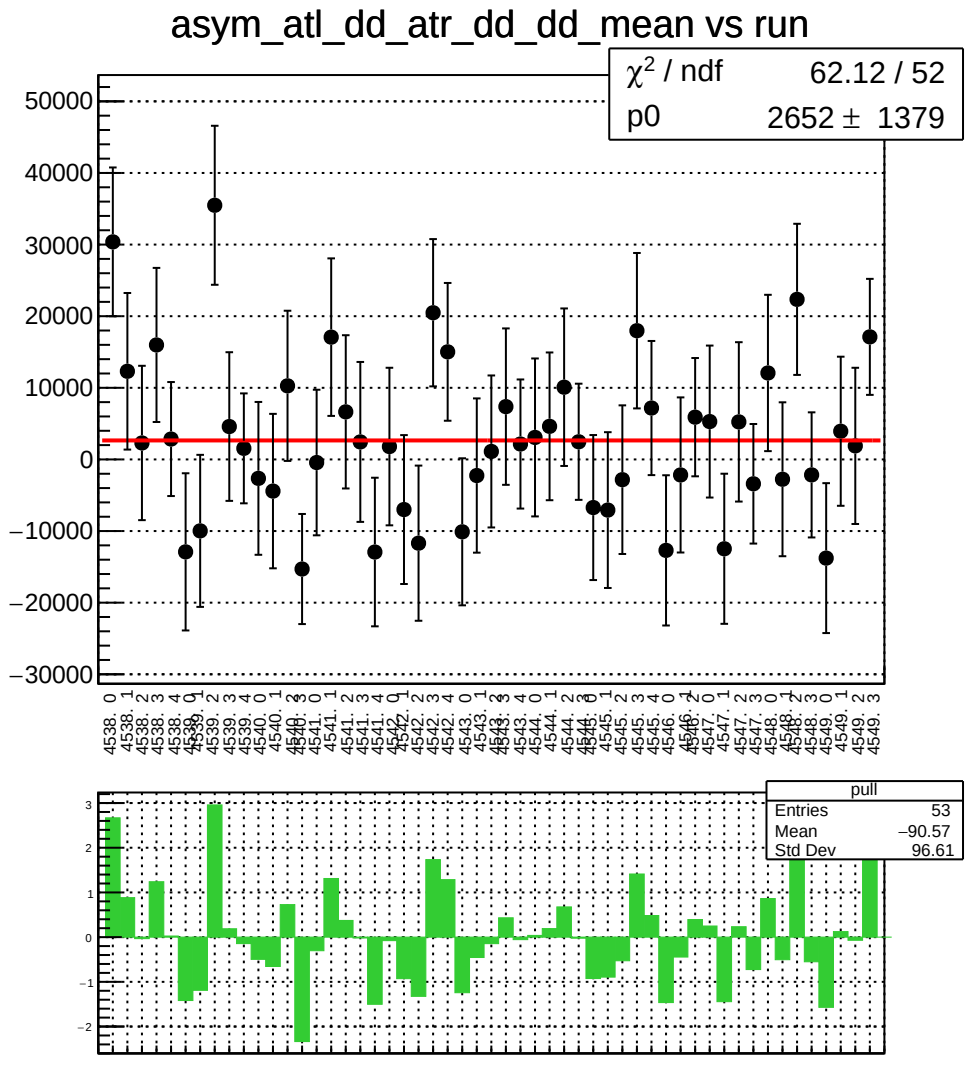

pull1D
Entries 53
Mean 0.01267
Std Dev 1.083

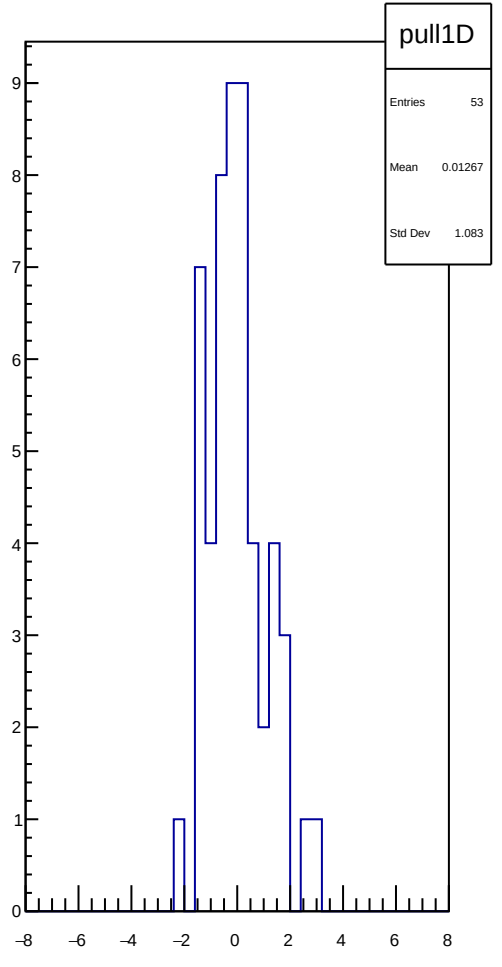

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 605 / 52
p0 1012 ± 0.975
1060
1040
1020
1000
980
960
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

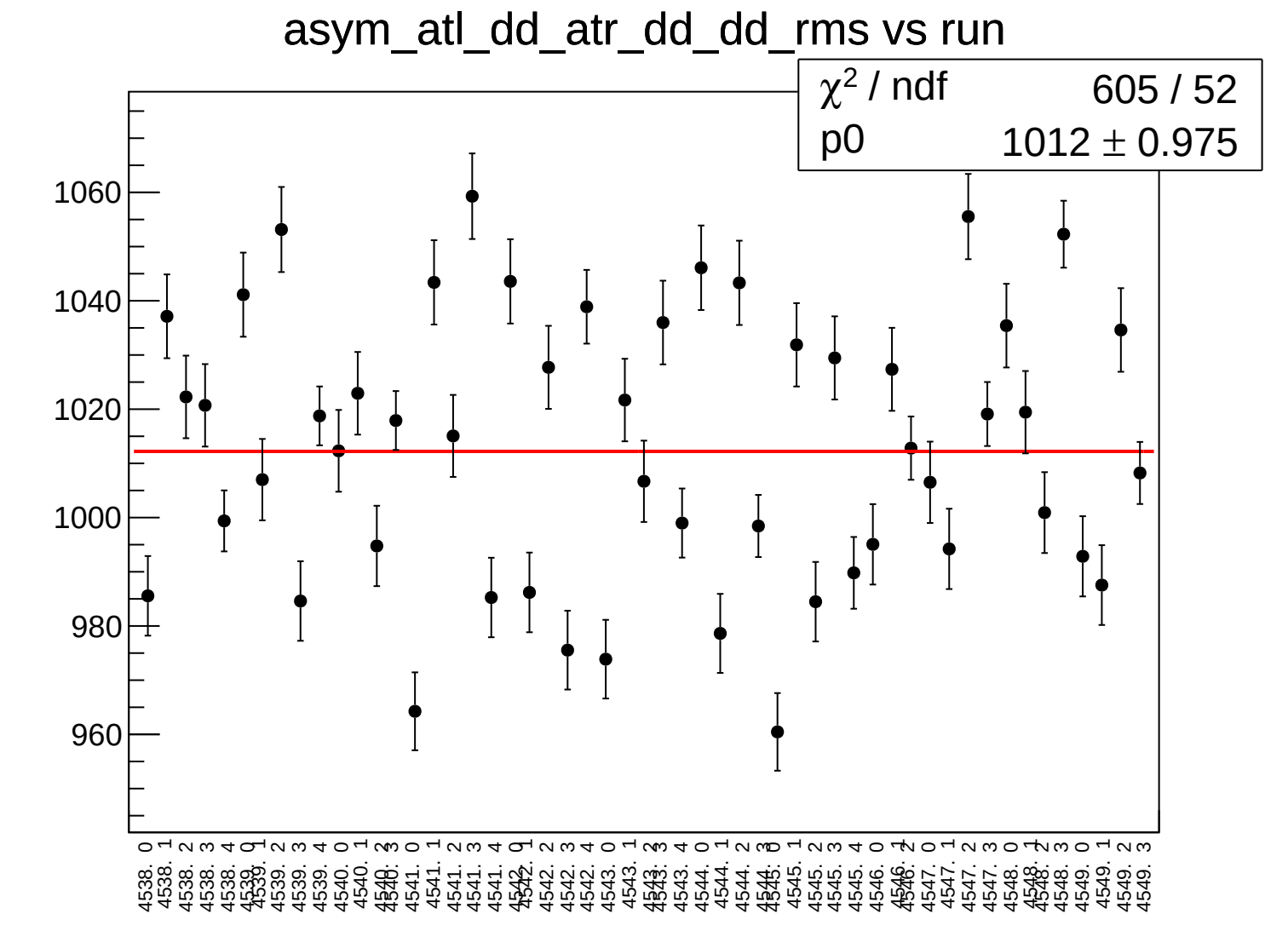

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

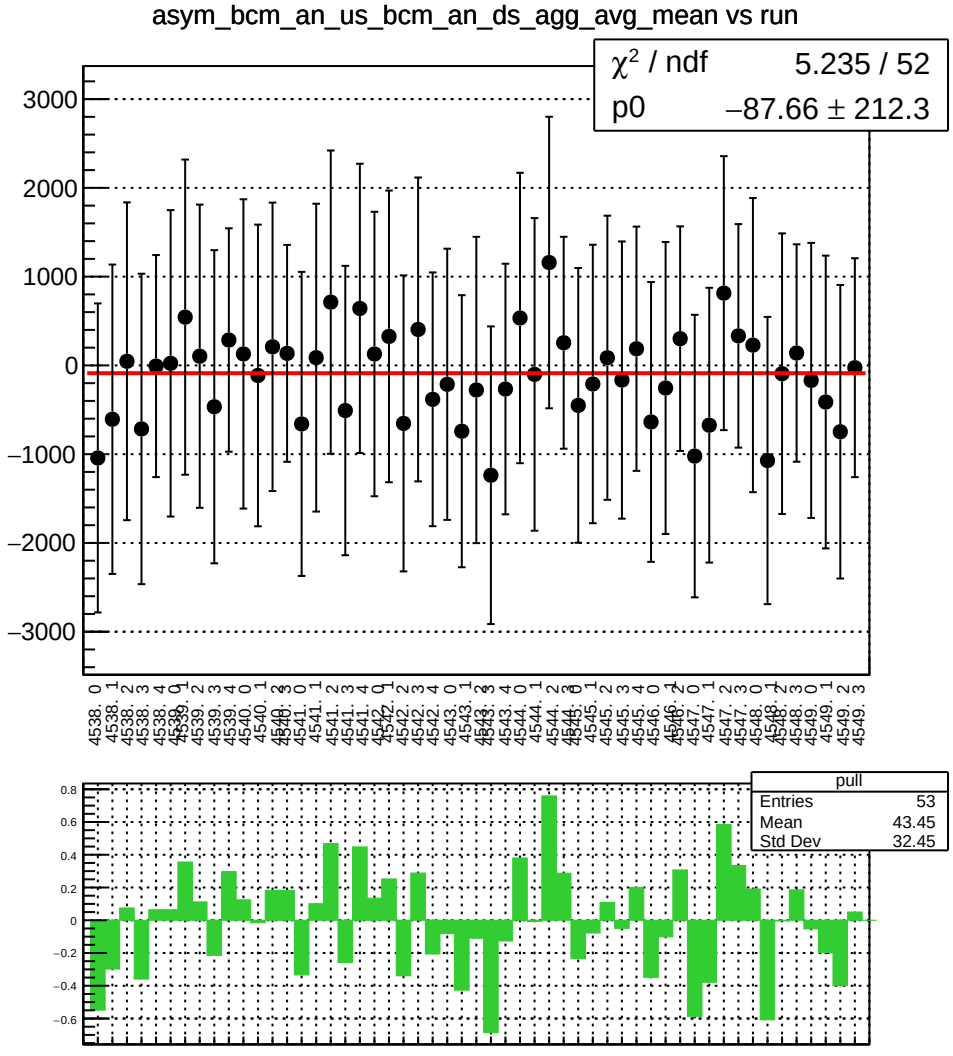

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

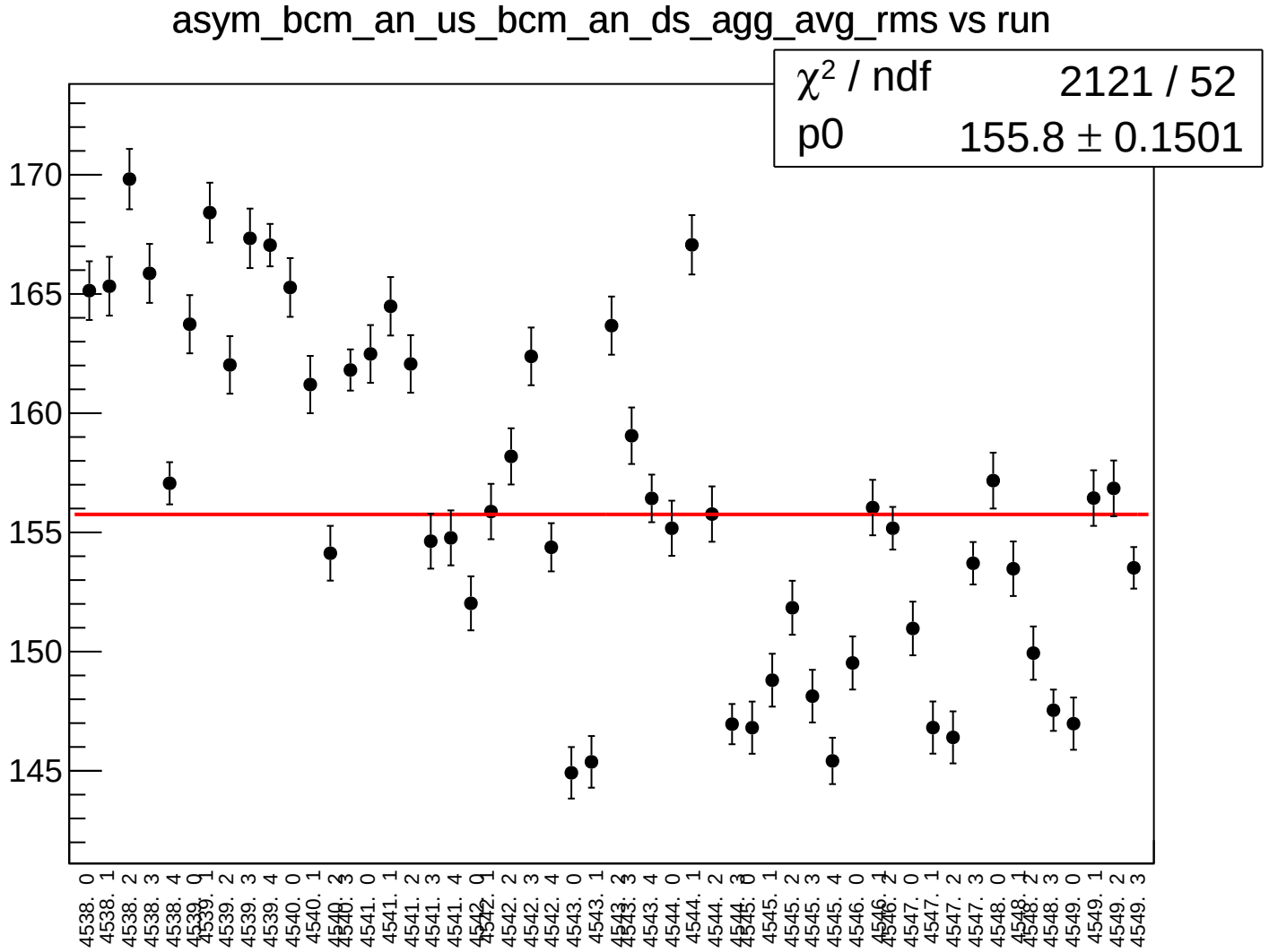

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

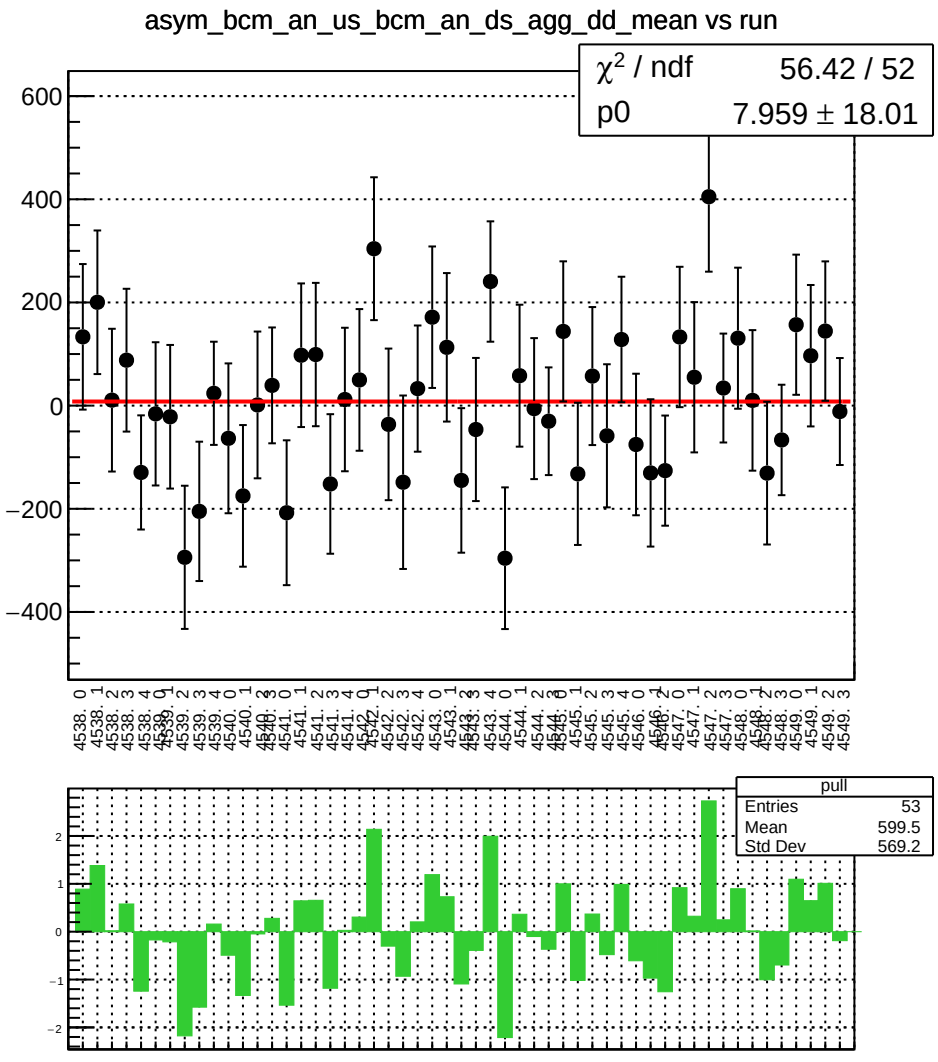

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 62.12 / 52
p0 2652 ± 1379
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −90.57
Std Dev 96.61
3
2
1
0
−1
−2

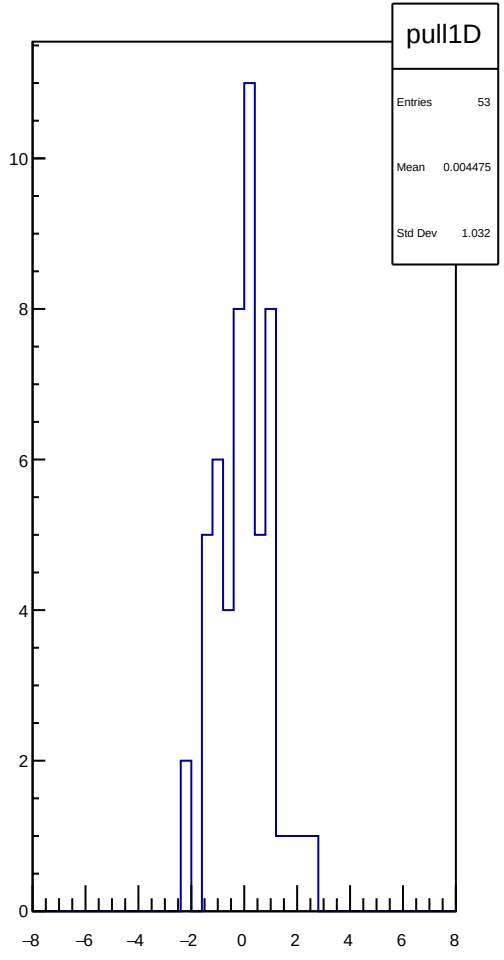

pull1D
Entries 53
Mean 0.01267
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

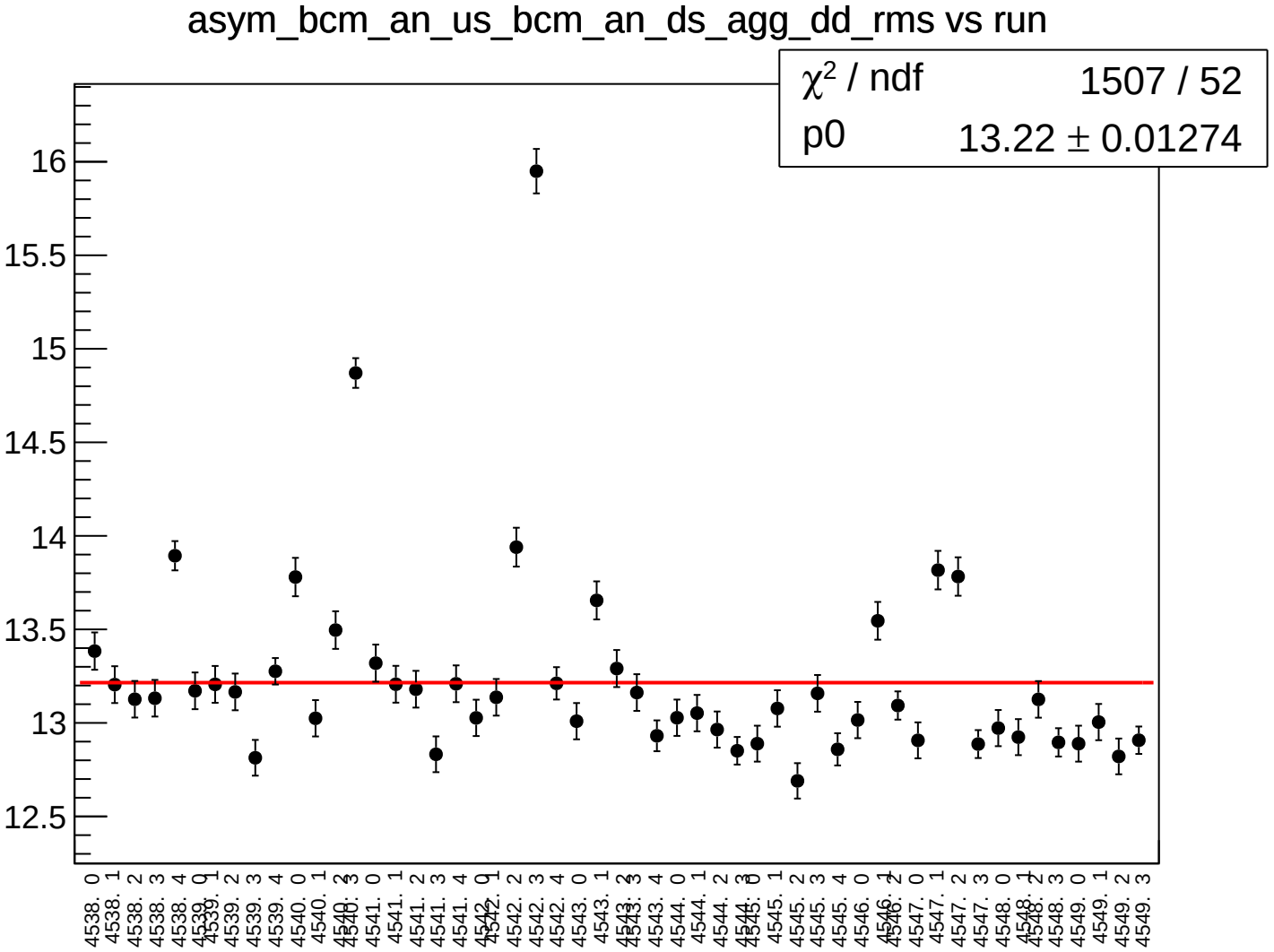

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 605 / 52
p0 1012 ± 0.975
1060
1040
1020
1000
980
960
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

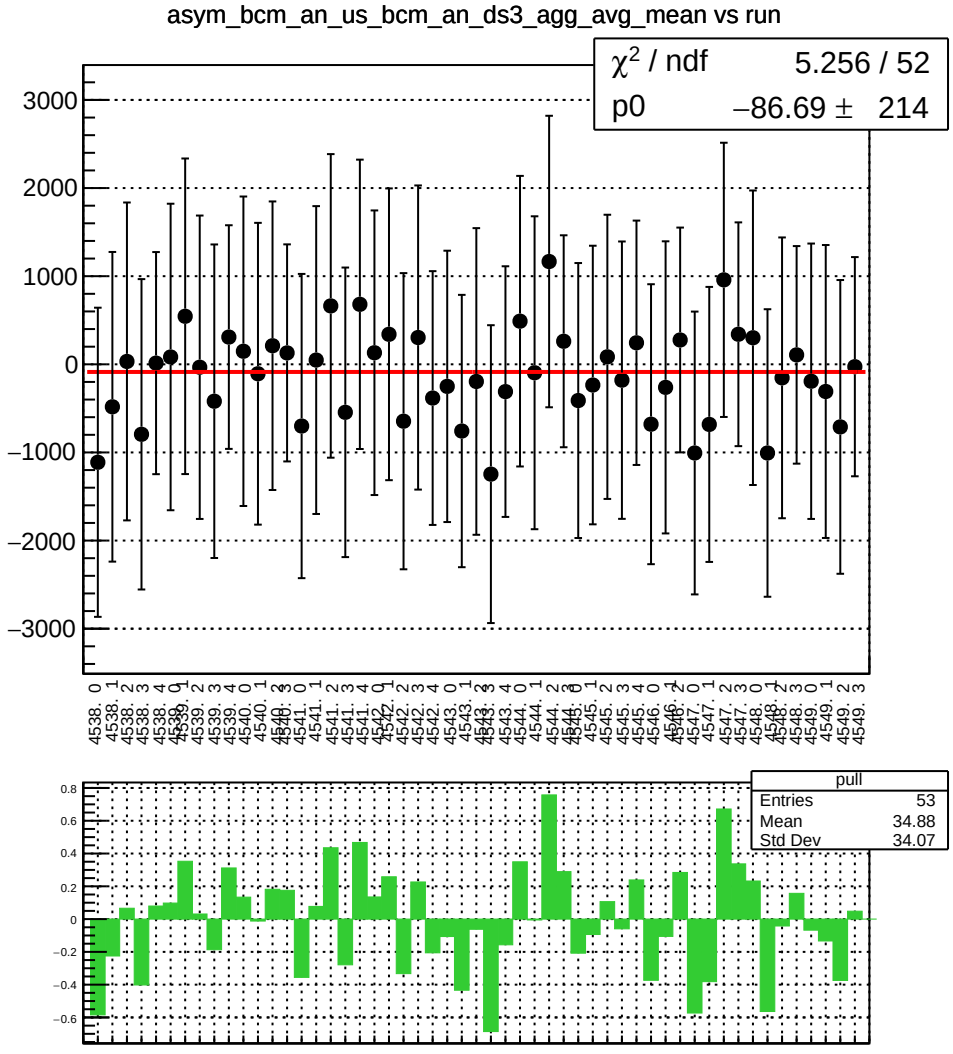

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 5.235 / 52
p0 −87.66 ± 212.3
pull
Entries 53
Mean 43.45
Std Dev 32.45
pull1D
Entries 53
Mean −0.009583
Std Dev 0.3141

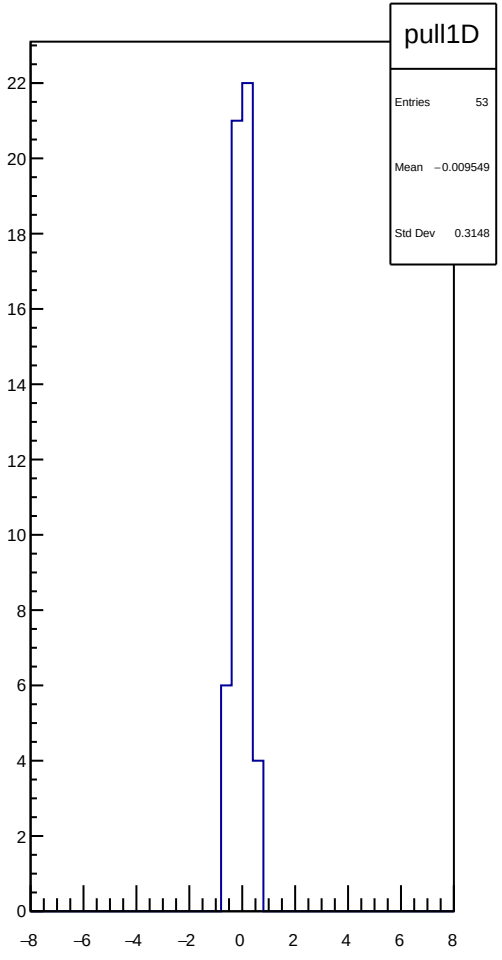

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2121 / 52
p0 155.8 ± 0.1501
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4540. 4
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4544. 4
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4546. 3
4546. 4
4547. 0
4547. 1
4547. 2
4547. 3
4547. 4
4548. 0
4548. 1
4548. 2
4548. 3
4548. 4
4549. 0
4549. 1
4549. 2
4549. 3

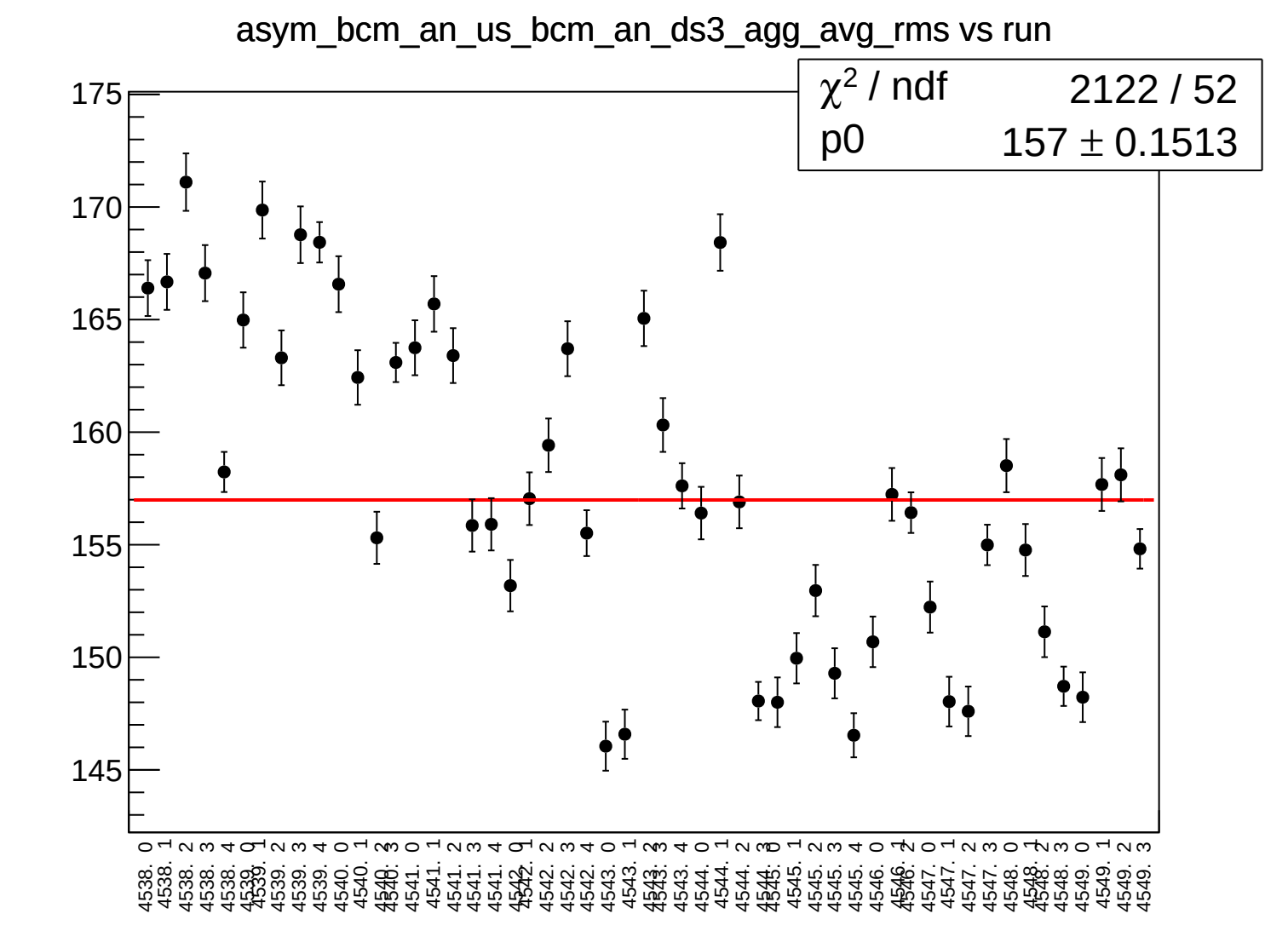

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 56.42 / 52
p0 7.959 ± 18.01
pull
Entries 53
Mean 599.5
Std Dev 569.2

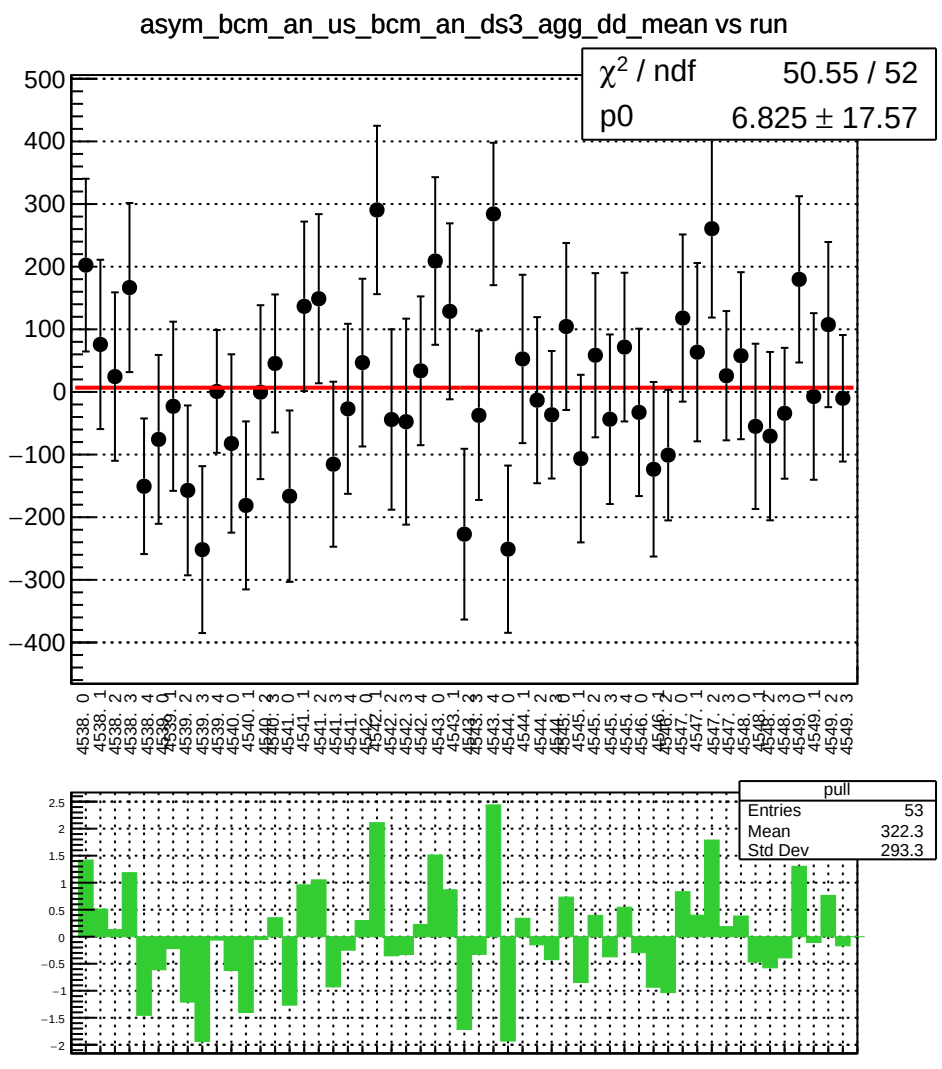

pull1D
Entries 53
Mean 0.004475
Std Dev 1.032

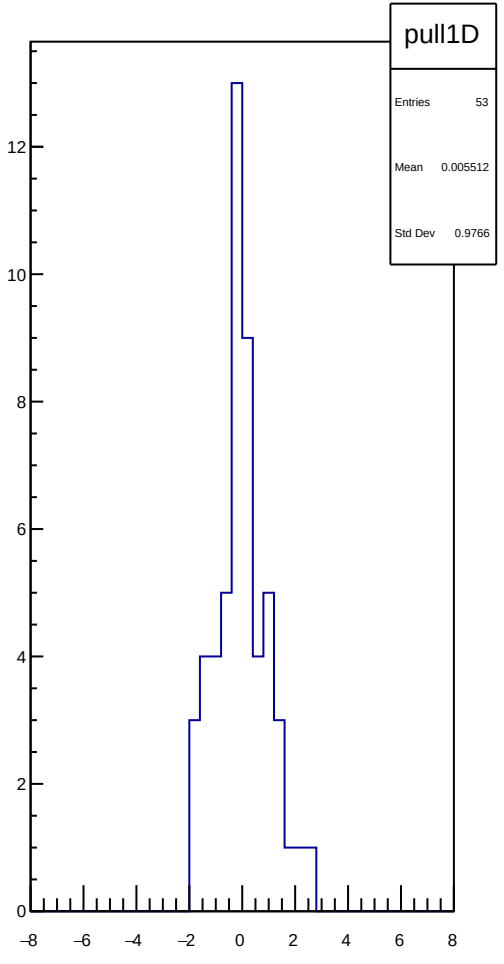

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1507 / 52
p0 13.22 ± 0.01274
16
15.5
15
14.5
14
13.5
13
12.5
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

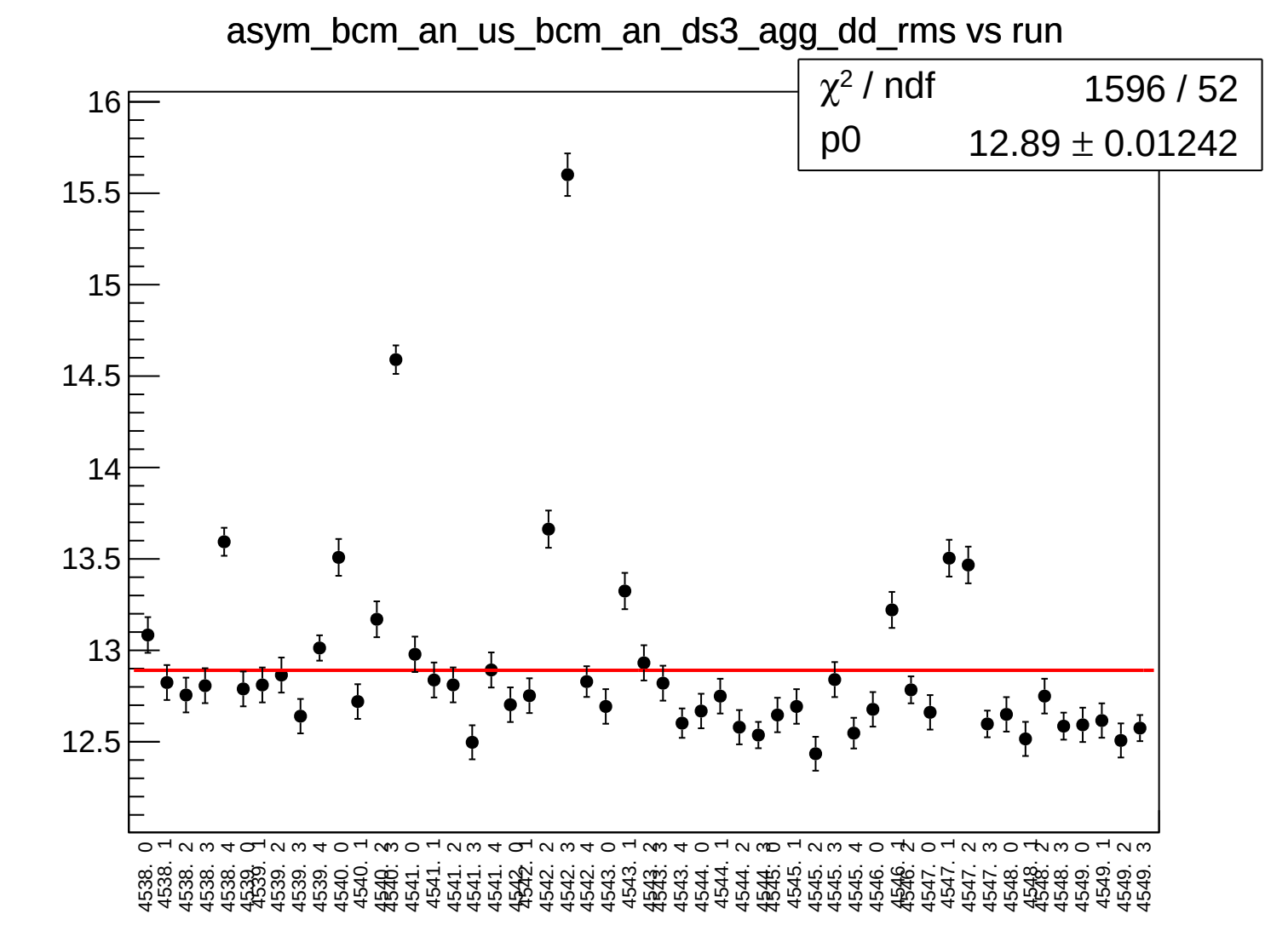

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 5.256 / 52
p0 −86.69 ± 214
pull
Entries 53
Mean 34.88
Std Dev 34.07

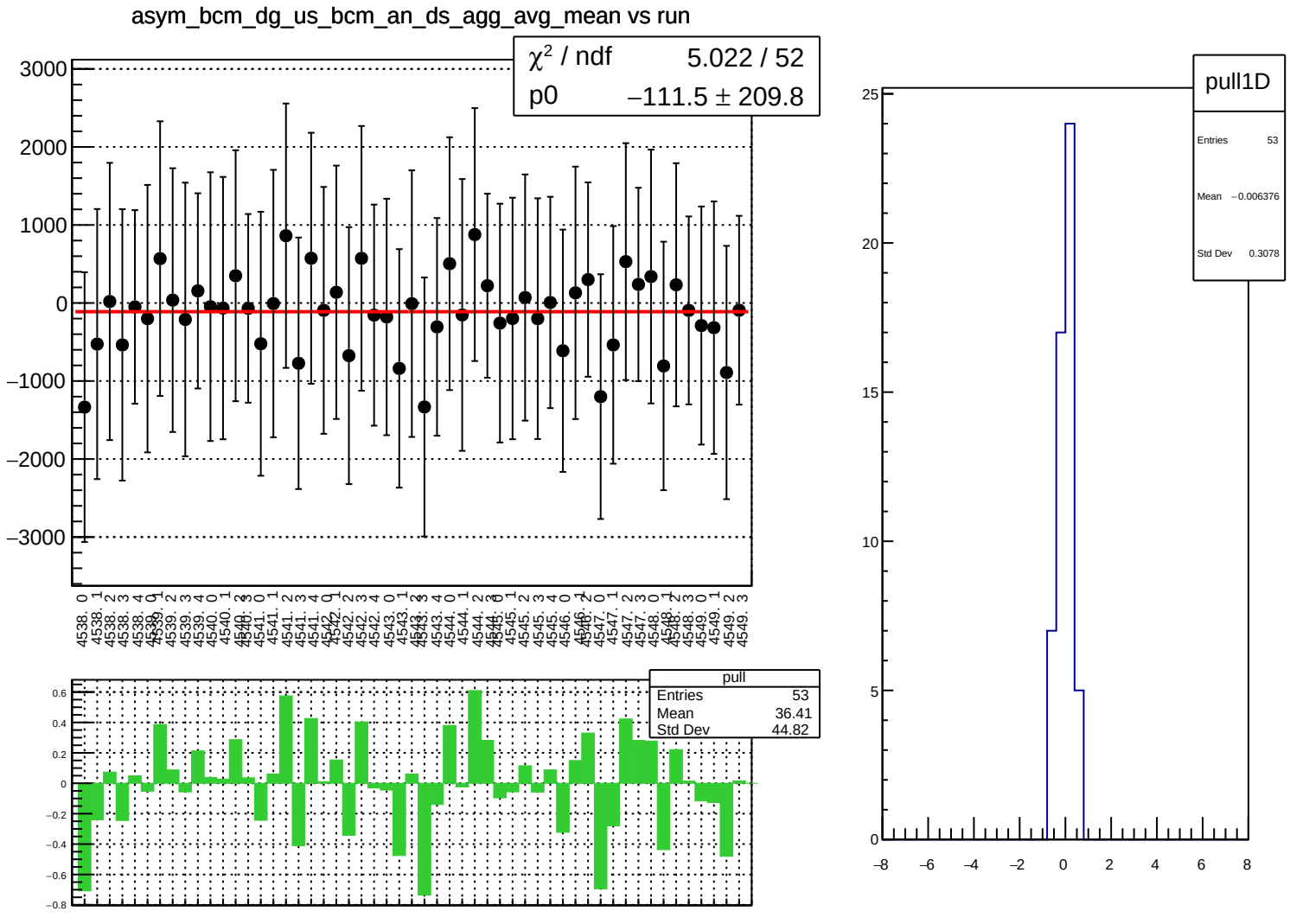

pull1D
Entries 53
Mean −0.009549
Std Dev 0.3148

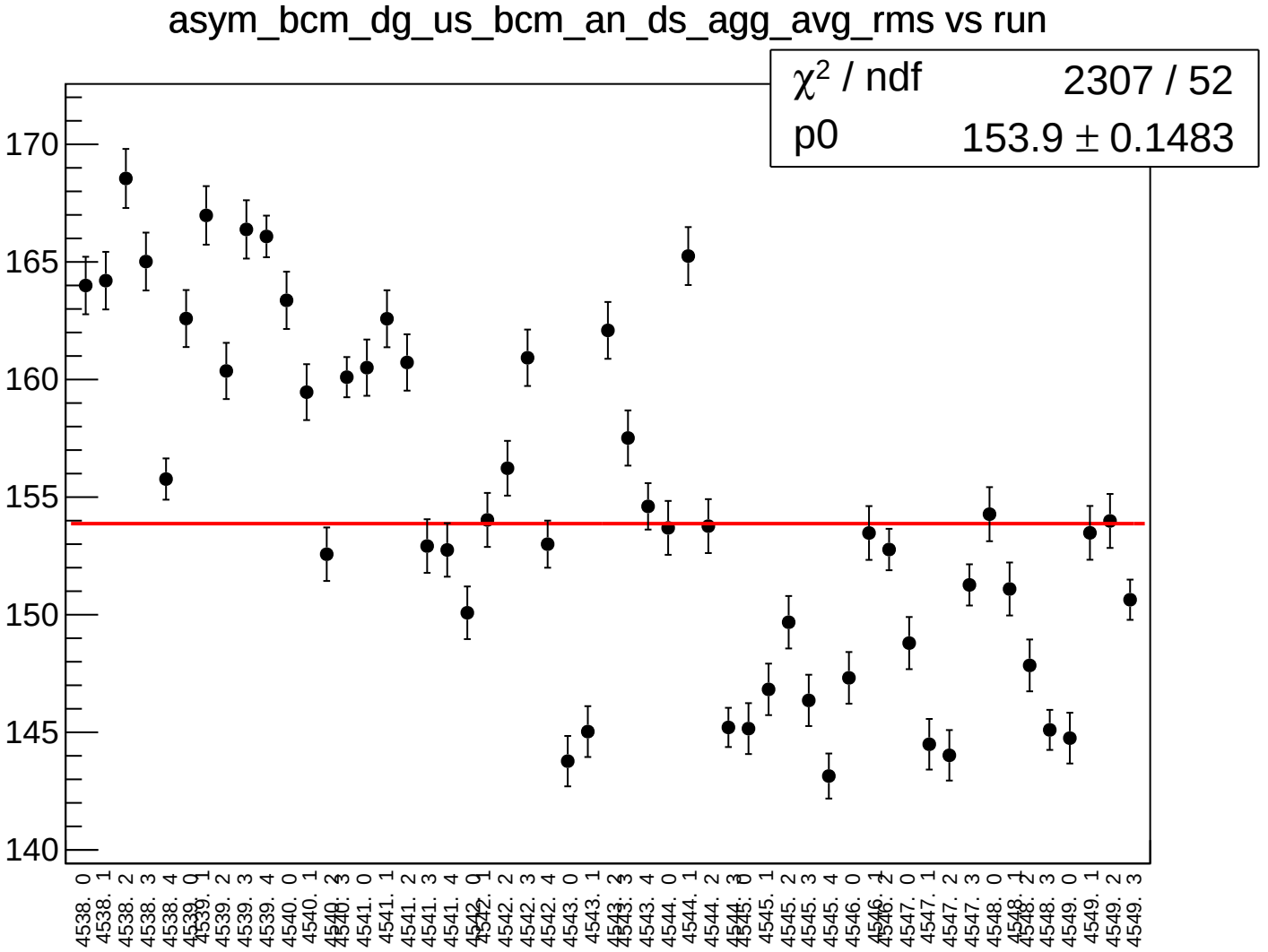

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 2122 / 52
p0 157 ± 0.1513
175
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 50.55 / 52
p0 6.825 ± 17.57
pull
Entries 53
Mean 322.3
Std Dev 293.3


pull1D
Entries 53
Mean 0.005512
Std Dev 0.9766


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1596 / 52
p0 12.89 ± 0.01242
16
15.5
15
14.5
14
13.5
13
12.5
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 5.022 / 52
p0 −111.5 ± 209.8
pull
Entries 53
Mean 36.41
Std Dev 44.82
pull1D
Entries 53
Mean −0.006376
Std Dev 0.3078


asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2307 / 52
p0 153.9 ± 0.1483
170
165
160
155
150
145
140
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
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4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
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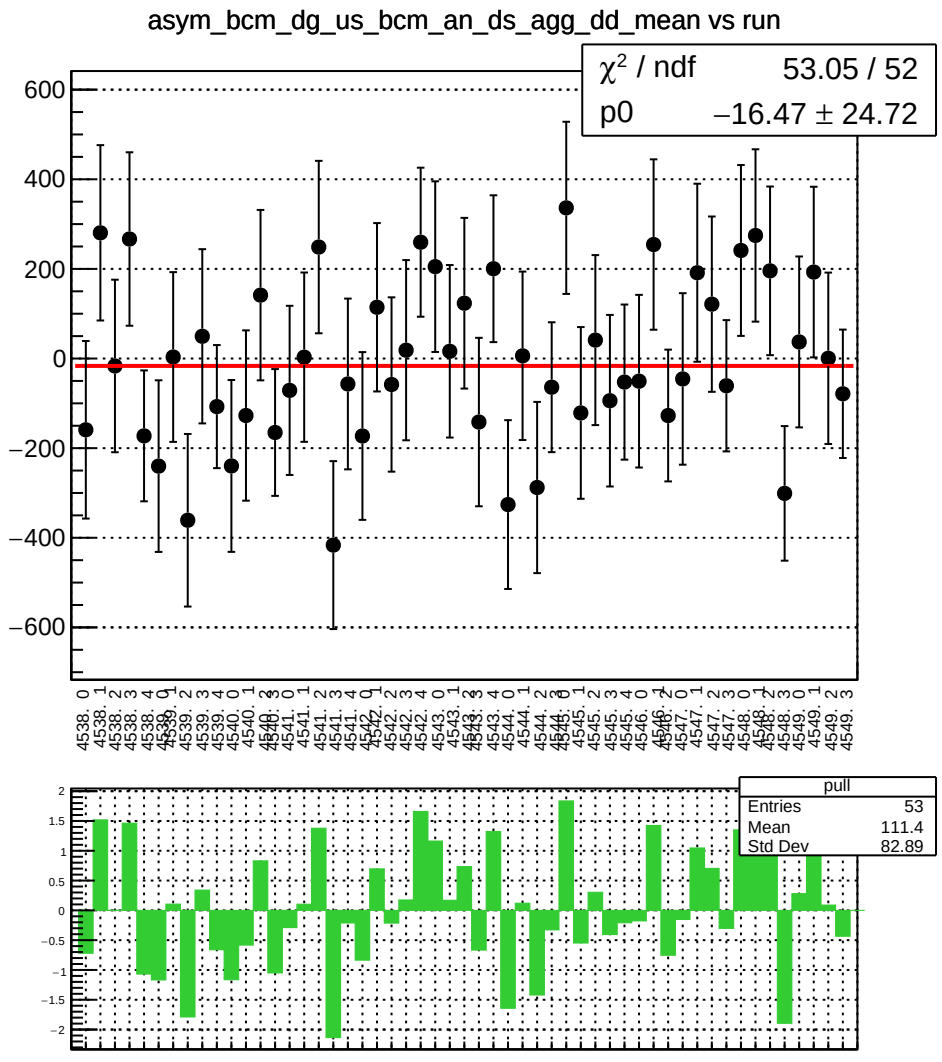
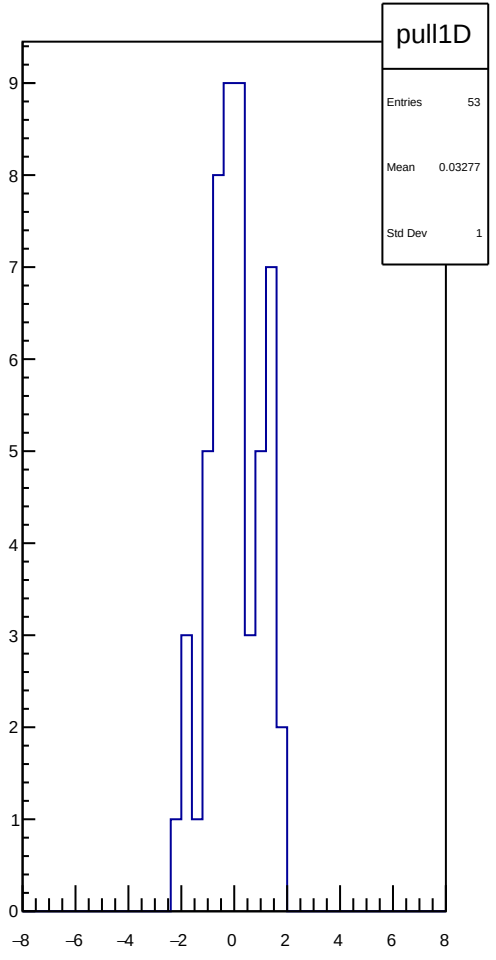
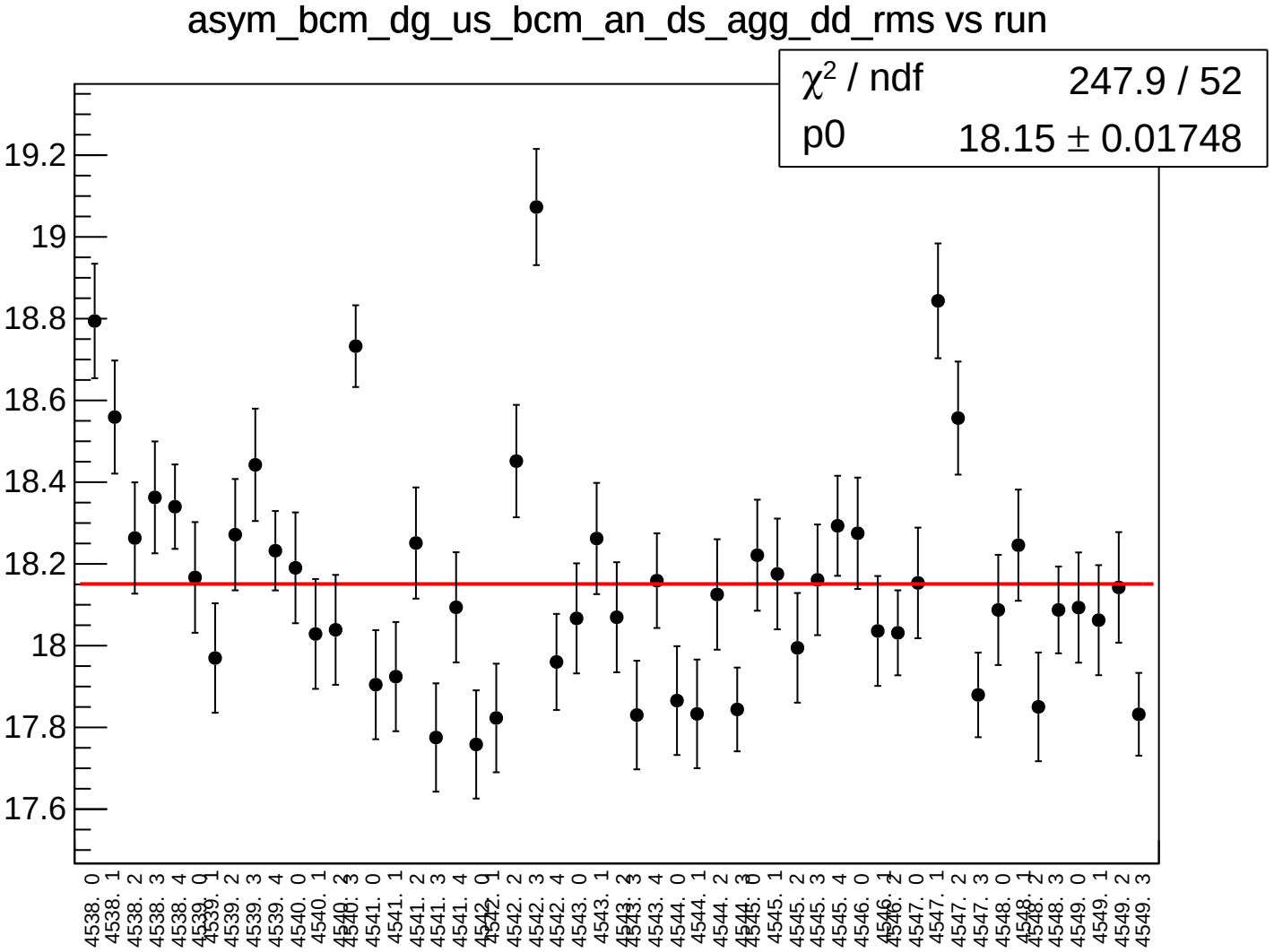
4549. 3


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 53.05 / 52
p0 −16.47 ± 24.72
pull
Entries 53
Mean 111.4
Std Dev 82.89


pull1D
Entries 53
Mean 0.03277
Std Dev 1


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 247.9 / 52
p0 18.15 ± 0.01748
19.2
19
18.8
18.6
18.4
18.2
18
17.8
17.6
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
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4543. 2
4543. 3
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4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
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4545. 4
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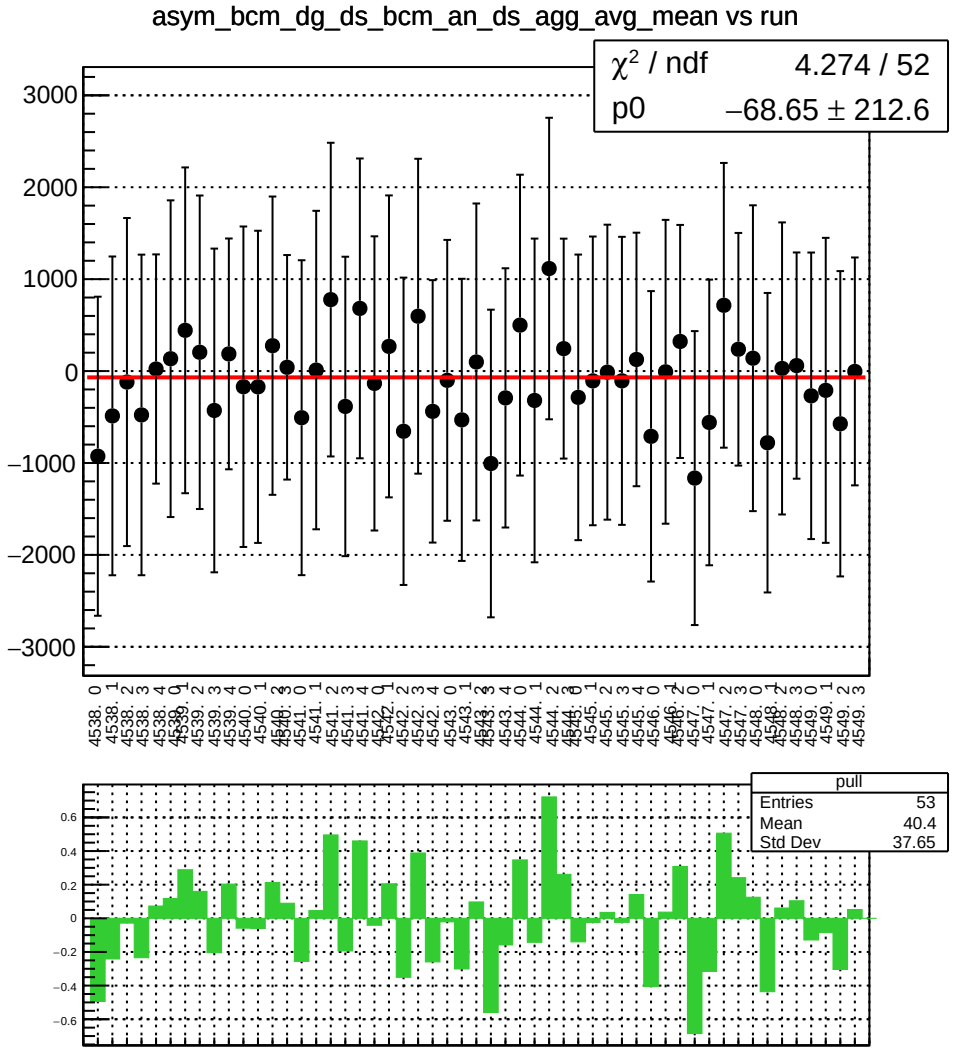
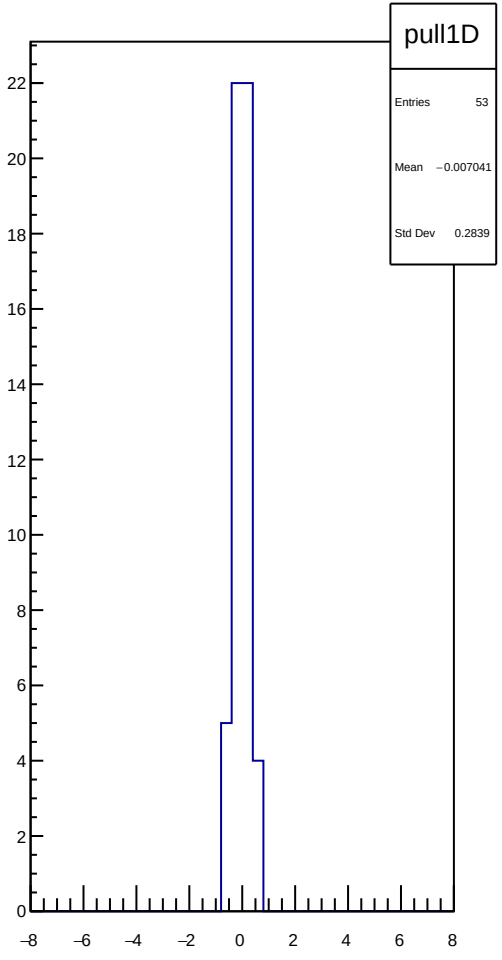
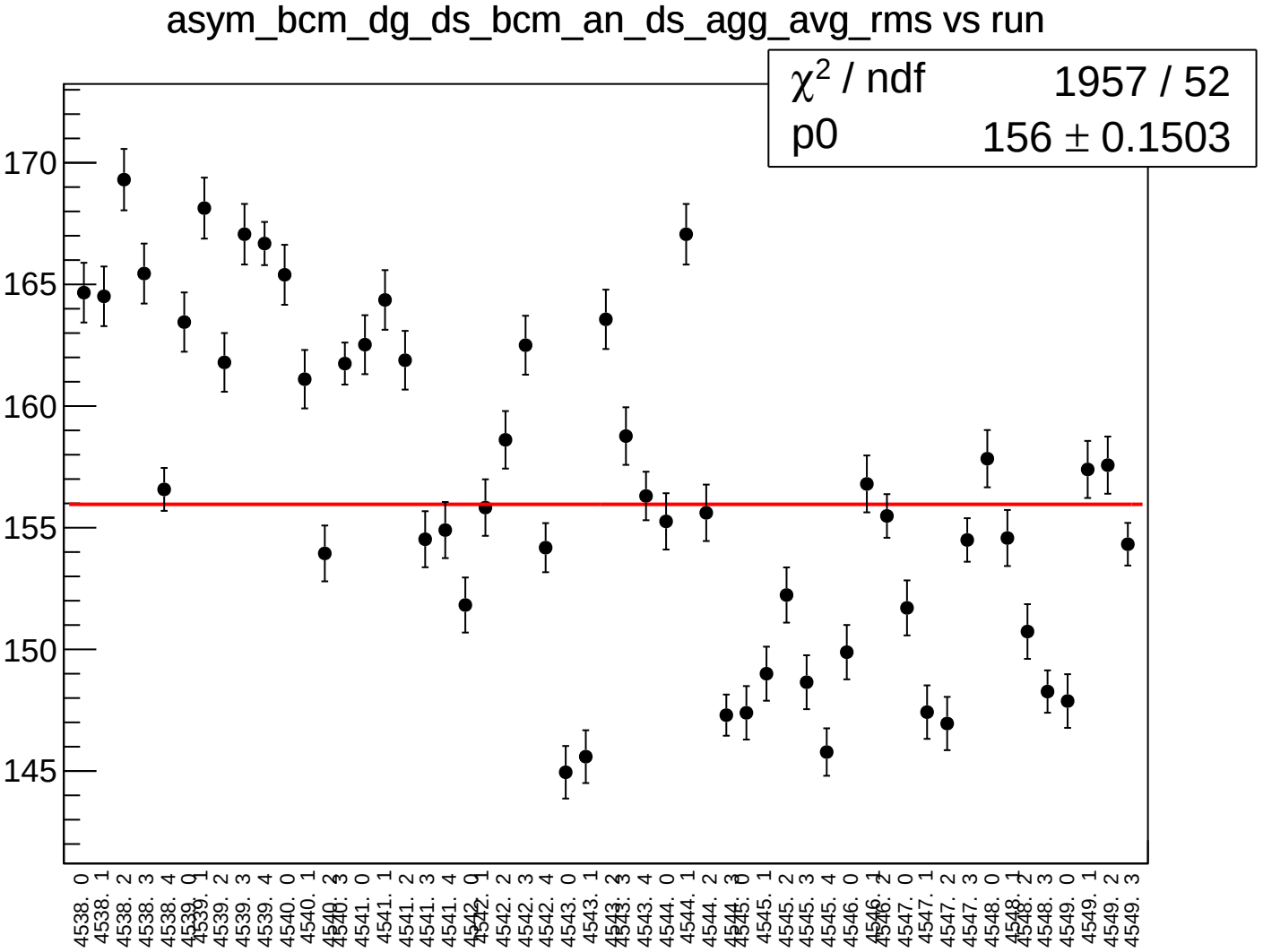
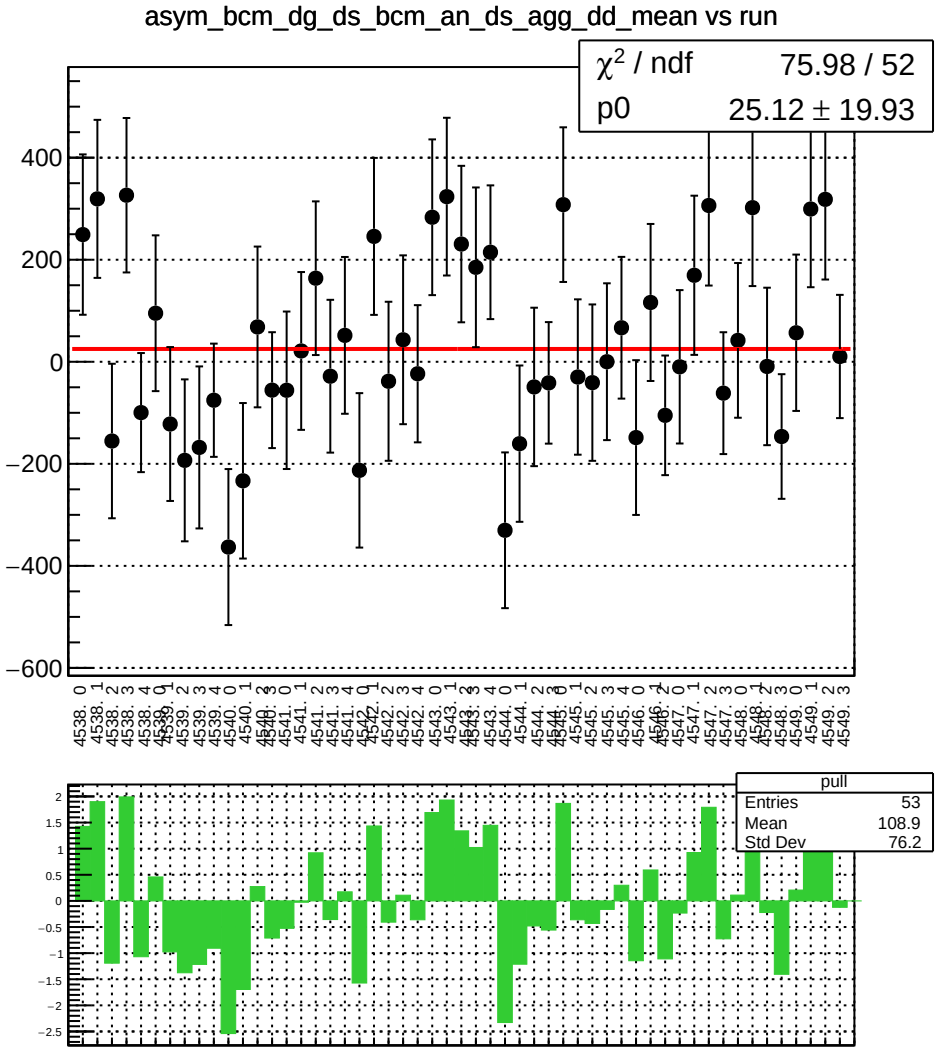
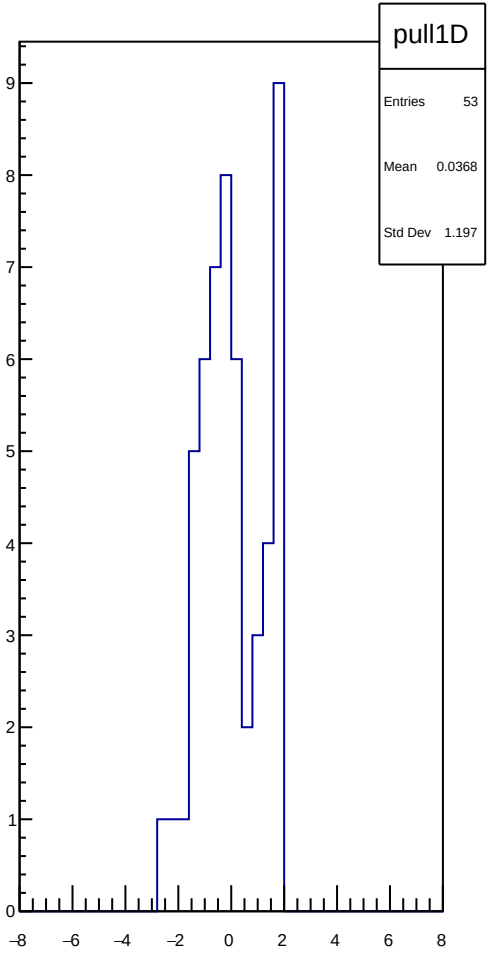
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

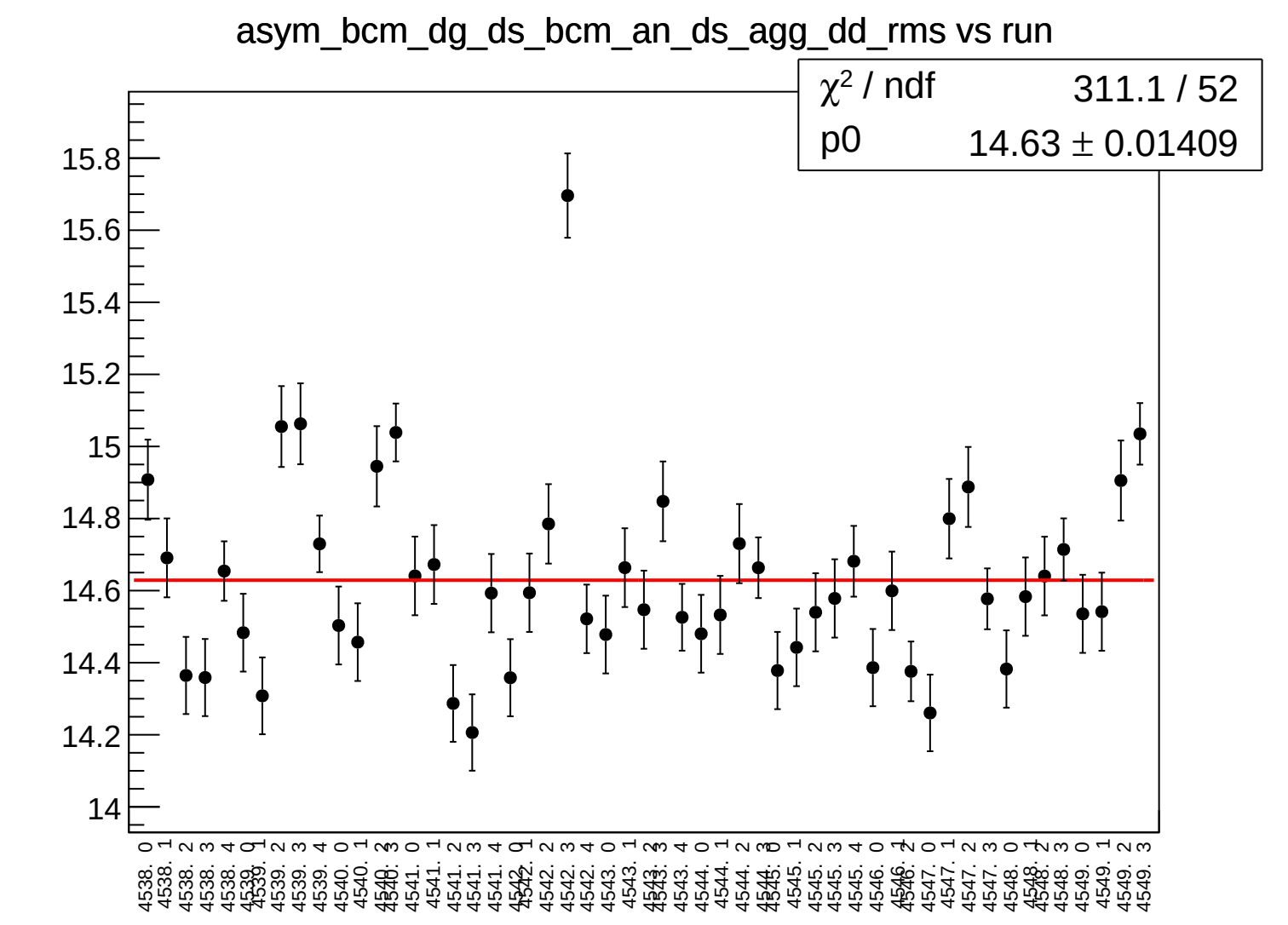

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.274 / 52
p0 −68.65 ± 212.6
pull
Entries 53
Mean 40.4
Std Dev 37.65


pull1D
Entries 53
Mean −0.007041
Std Dev 0.2839


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1957 / 52
p0 156 ± 0.1503
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 75.98 / 52
p0 25.12 ± 19.93
pull
Entries 53
Mean 108.9
Std Dev 76.2


pull1D
Entries 53
Mean 0.0368
Std Dev 1.197


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 311.1 / 52
p0 14.63 ± 0.01409
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
14.2
14
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
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4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
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4545. 3
4545. 4
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4546. 2
4547. 0
4547. 1
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4549. 0
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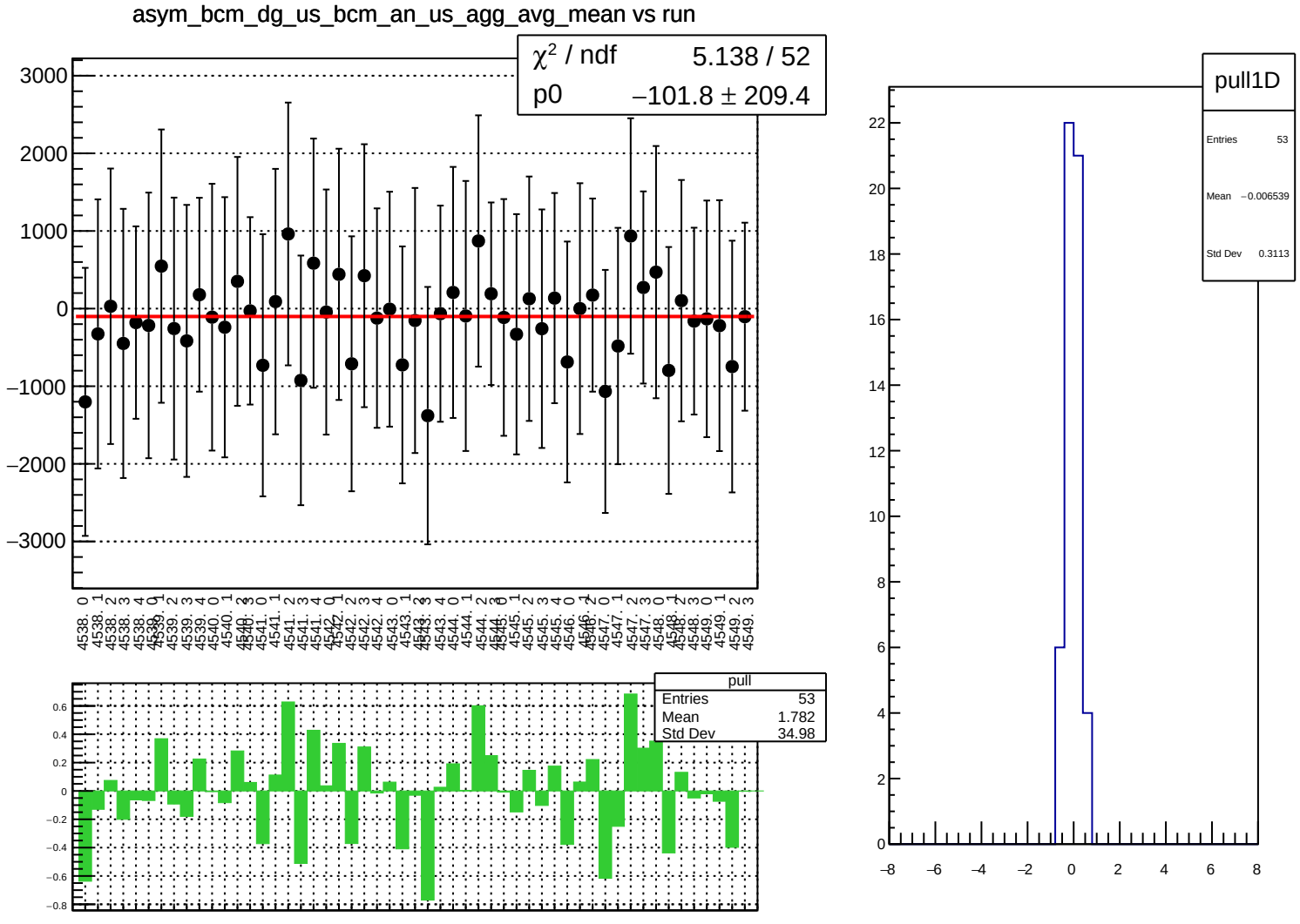
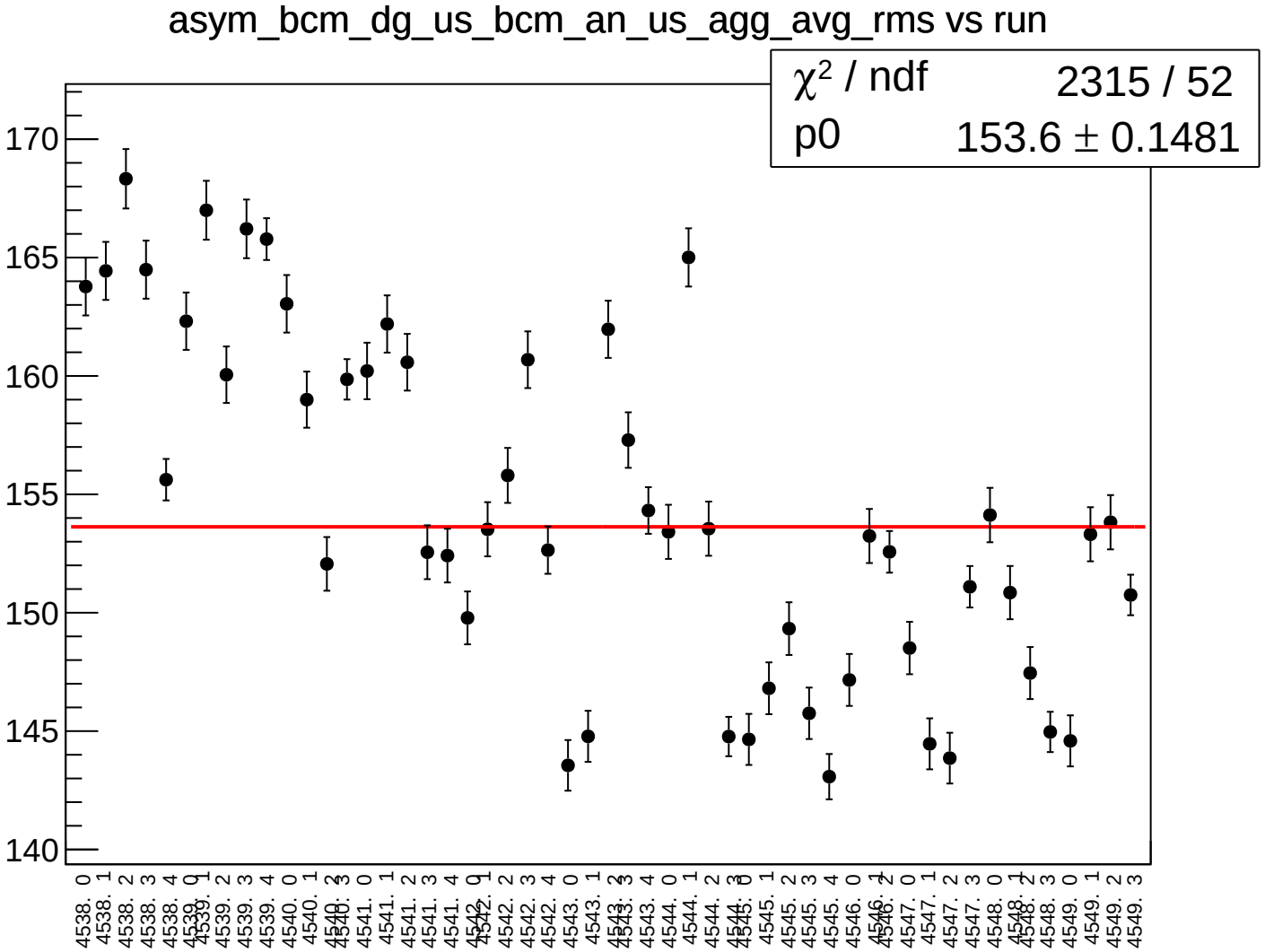
4549. 2
4549. 3


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 5.138 / 52
p0 −101.8 ± 209.4
pull
Entries 53
Mean 1.782
Std Dev 34.98
pull1D
Entries 53
Mean −0.006539
Std Dev 0.3113


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2315 / 52
p0 153.6 ± 0.1481
170
165
160
155
150
145
140
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
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4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
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4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
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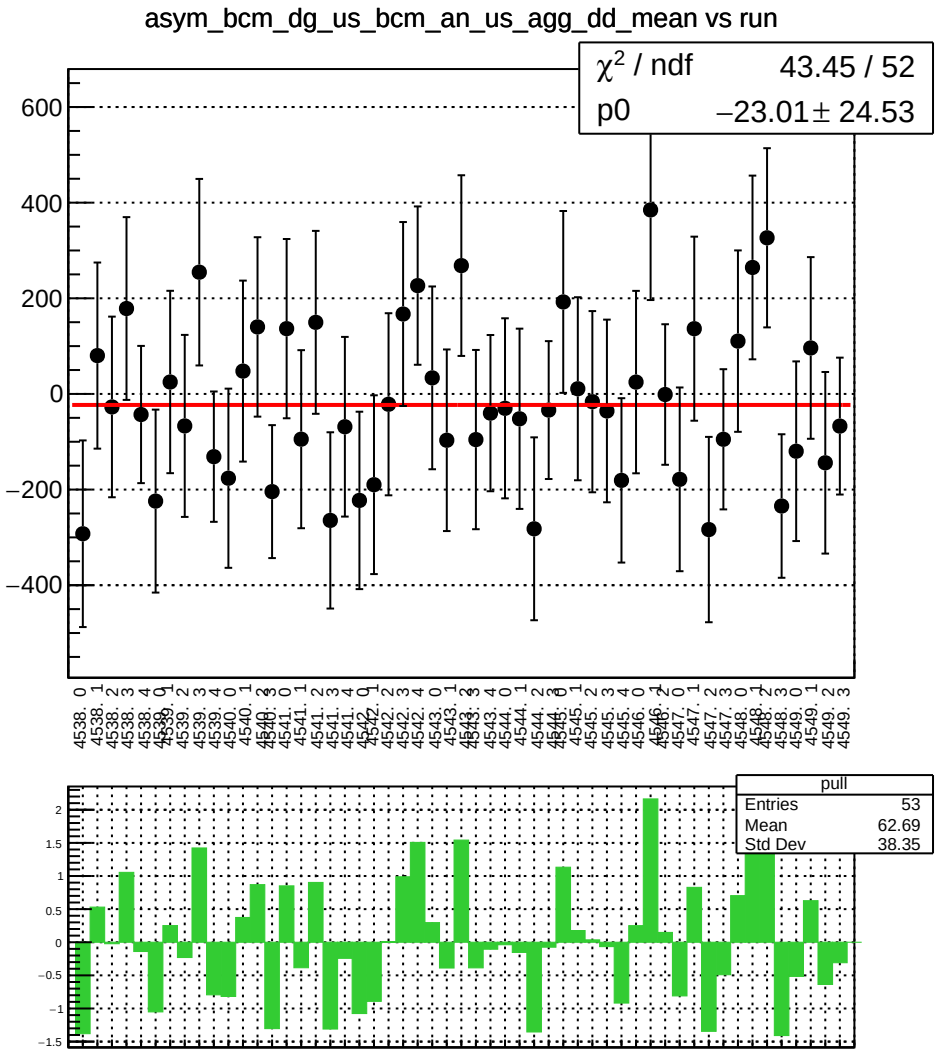
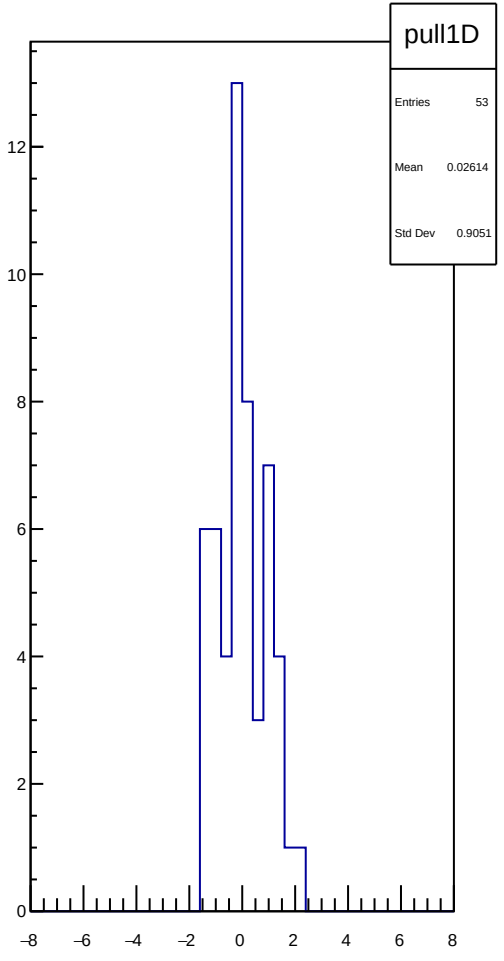
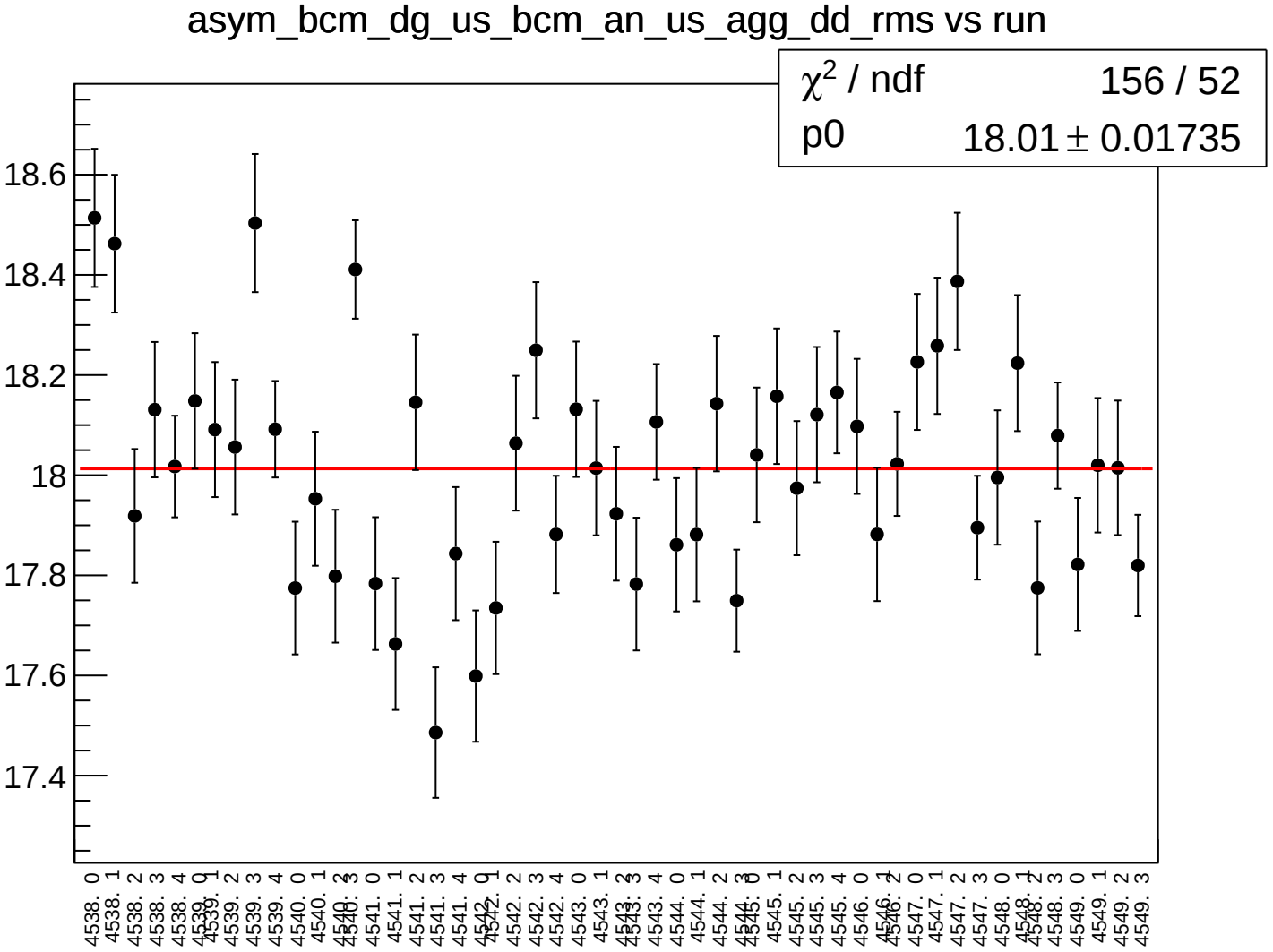
4549. 2
4549. 3


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 43.45 / 52
p0 −23.01 ± 24.53
pull
Entries 53
Mean 62.69
Std Dev 38.35


pull1D
Entries 53
Mean 0.02614
Std Dev 0.9051


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 156 / 52
p0 18.01 ± 0.01735
18.6
18.4
18.2
18
17.8
17.6
17.4
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
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4544. 2
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4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
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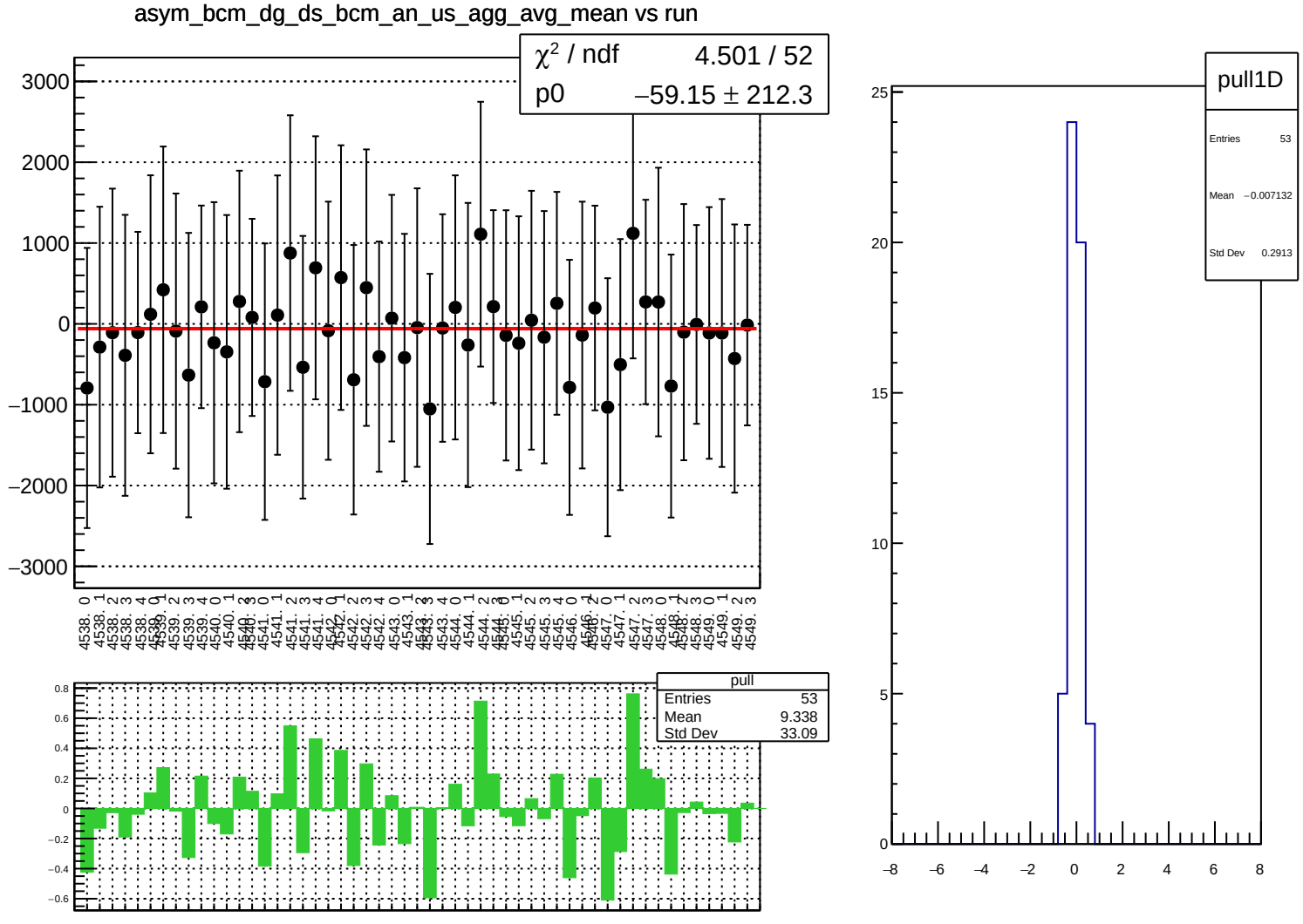
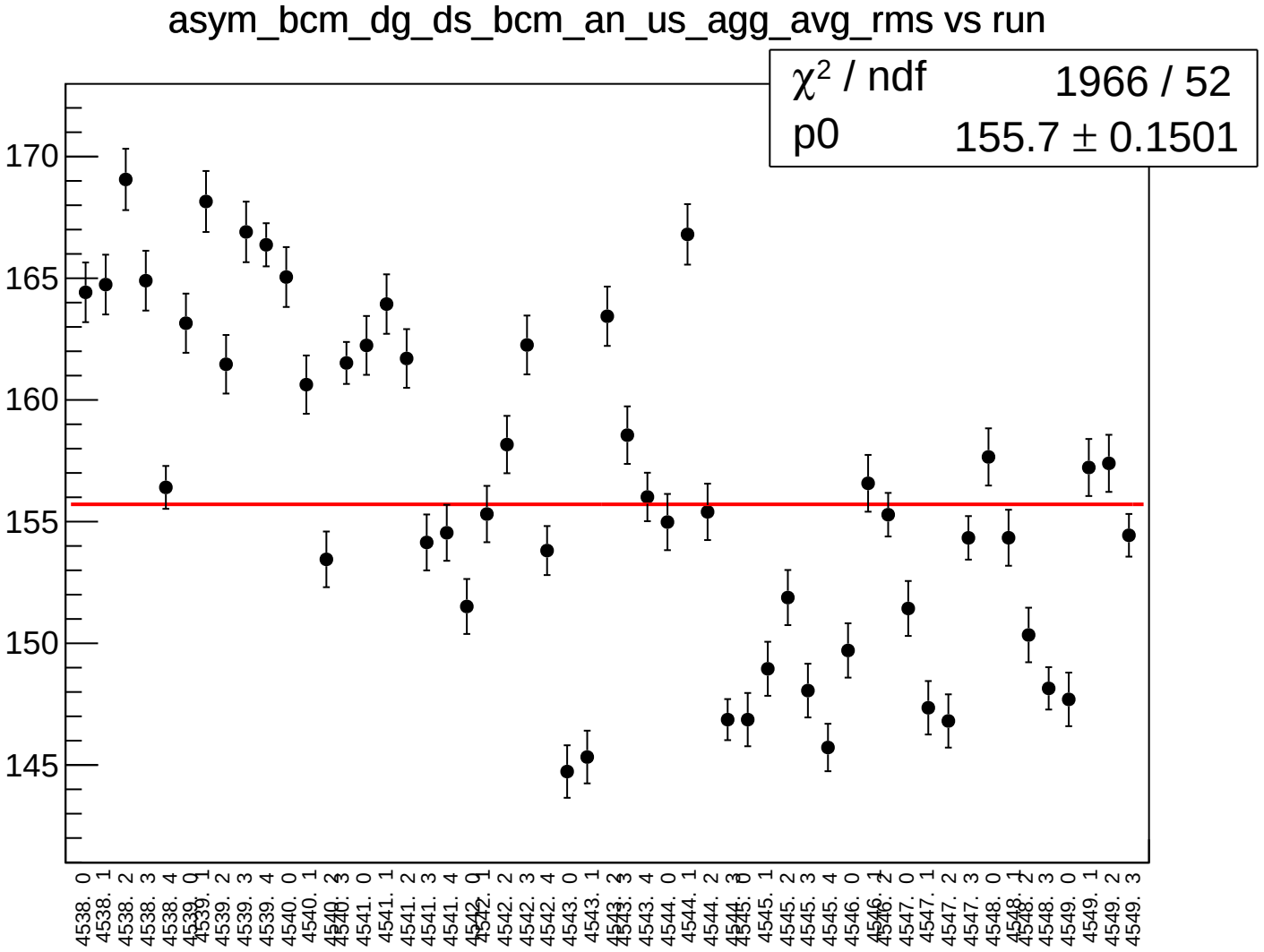
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 4.501 / 52
p0 −59.15 ± 212.3
pull
Entries 53
Mean 9.338
Std Dev 33.09
pull1D
Entries 53
Mean −0.007132
Std Dev 0.2913


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1966 / 52
p0 155.7 ± 0.1501
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
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4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
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4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
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4542. 3
4542. 4
4543. 0
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4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
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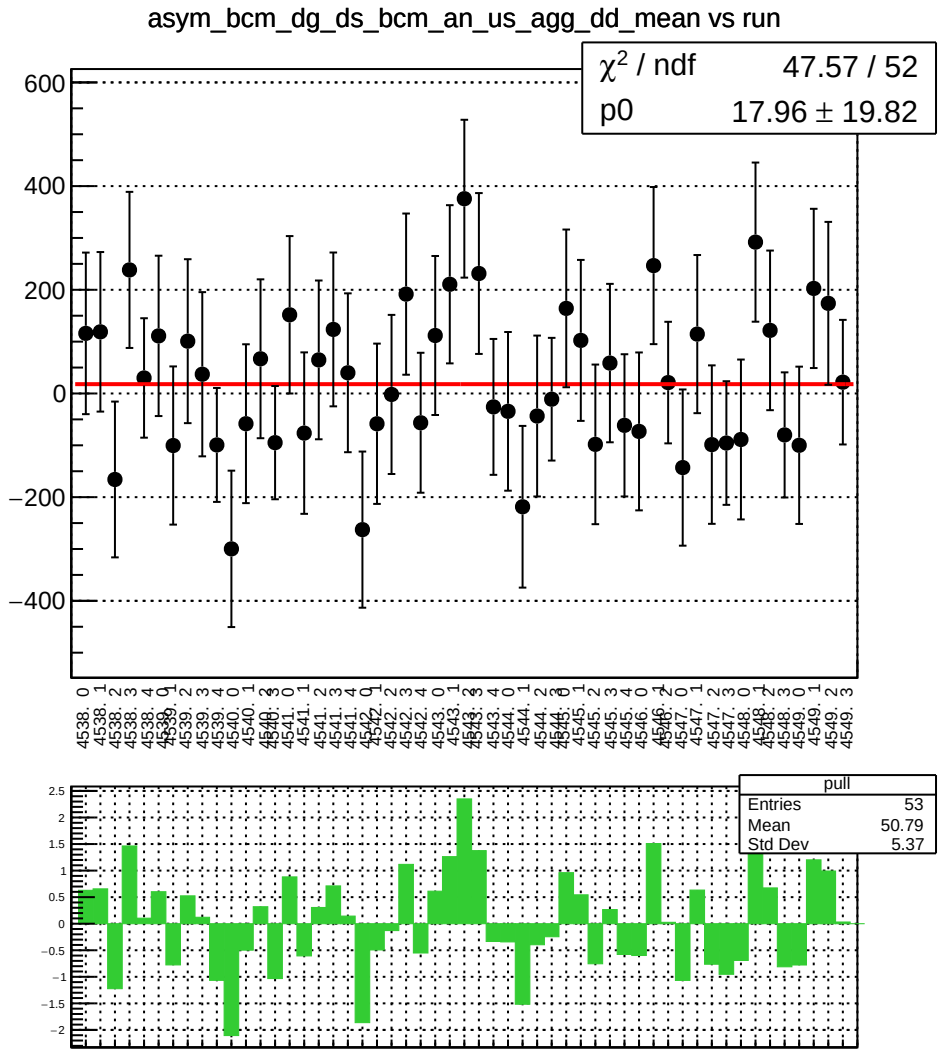
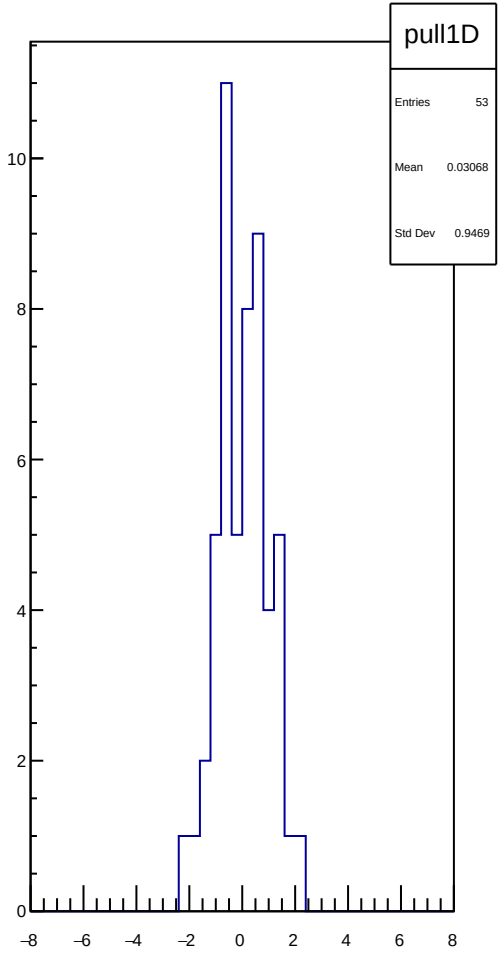
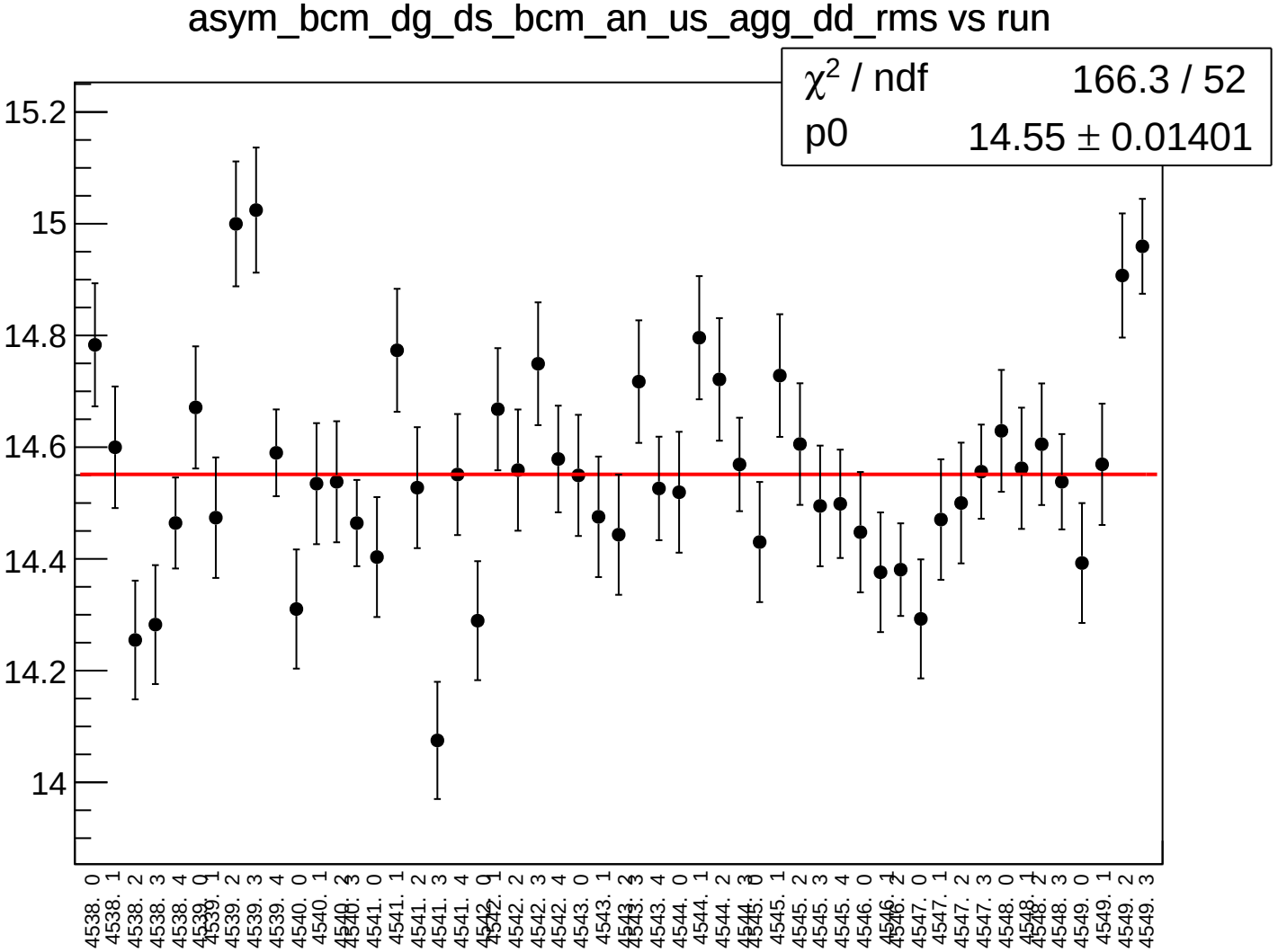
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 47.57 / 52
p0 17.96 ± 19.82
pull
Entries 53
Mean 50.79
Std Dev 5.37


pull1D
Entries 53
Mean 0.03068
Std Dev 0.9469


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 166.3 / 52
p0 14.55 ± 0.01401
15.2
15
14.8
14.6
14.4
14.2
14
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
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4542. 1
4542. 2
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4543. 0
4543. 1
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4544. 0
4544. 1
4544. 2
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4545. 2
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4546. 2
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4547. 1
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4548. 3
4549. 0
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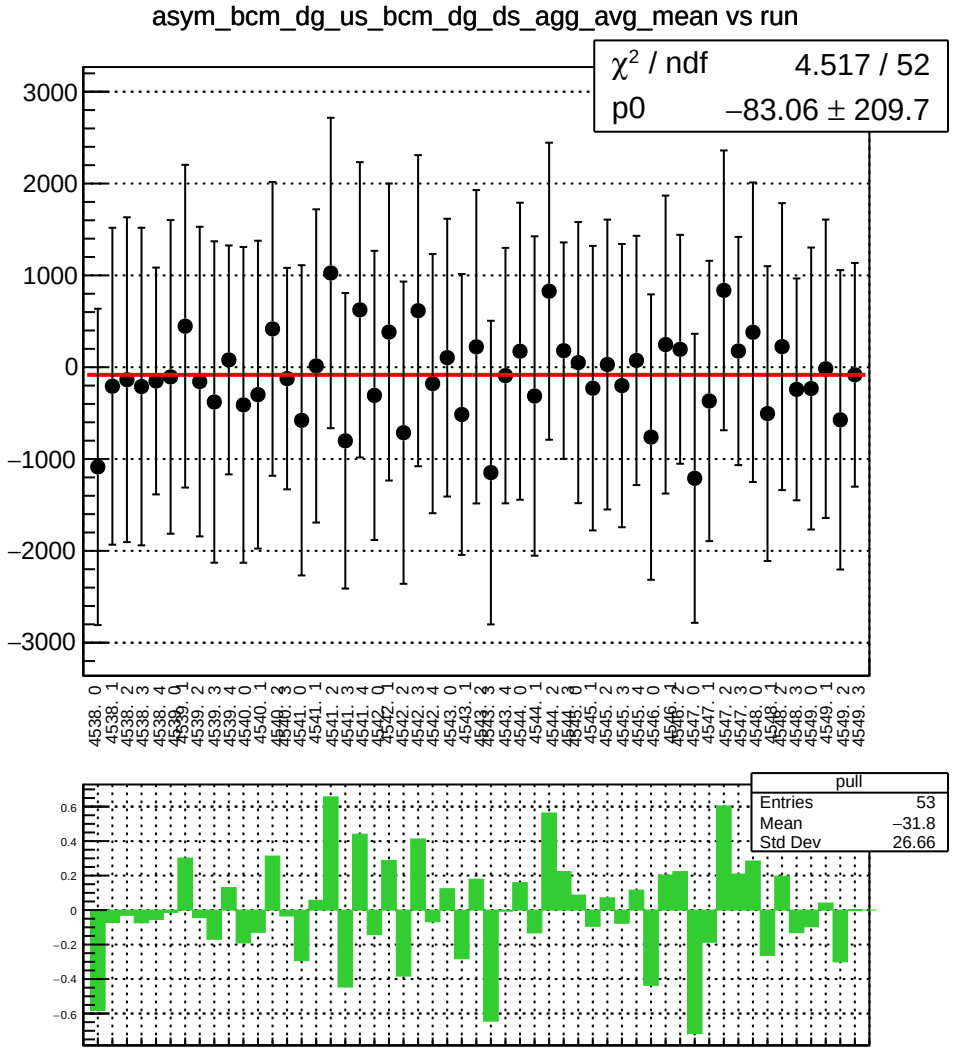
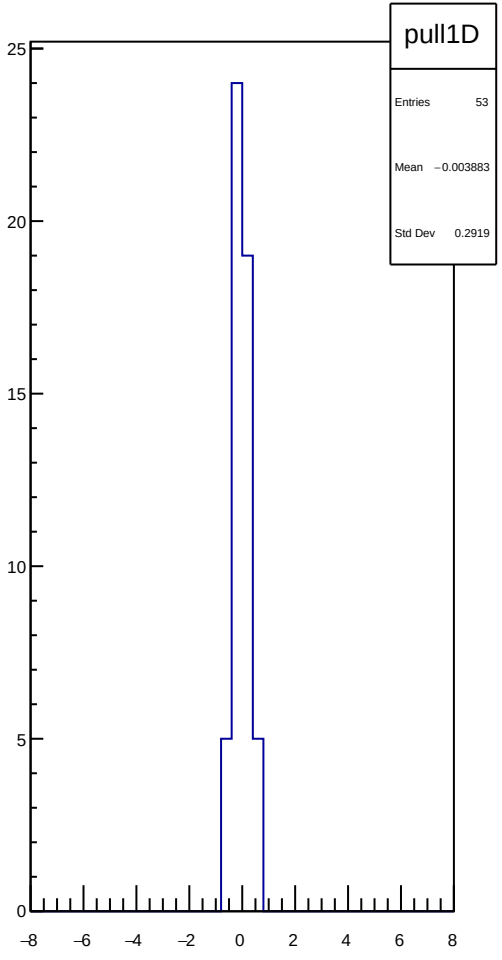
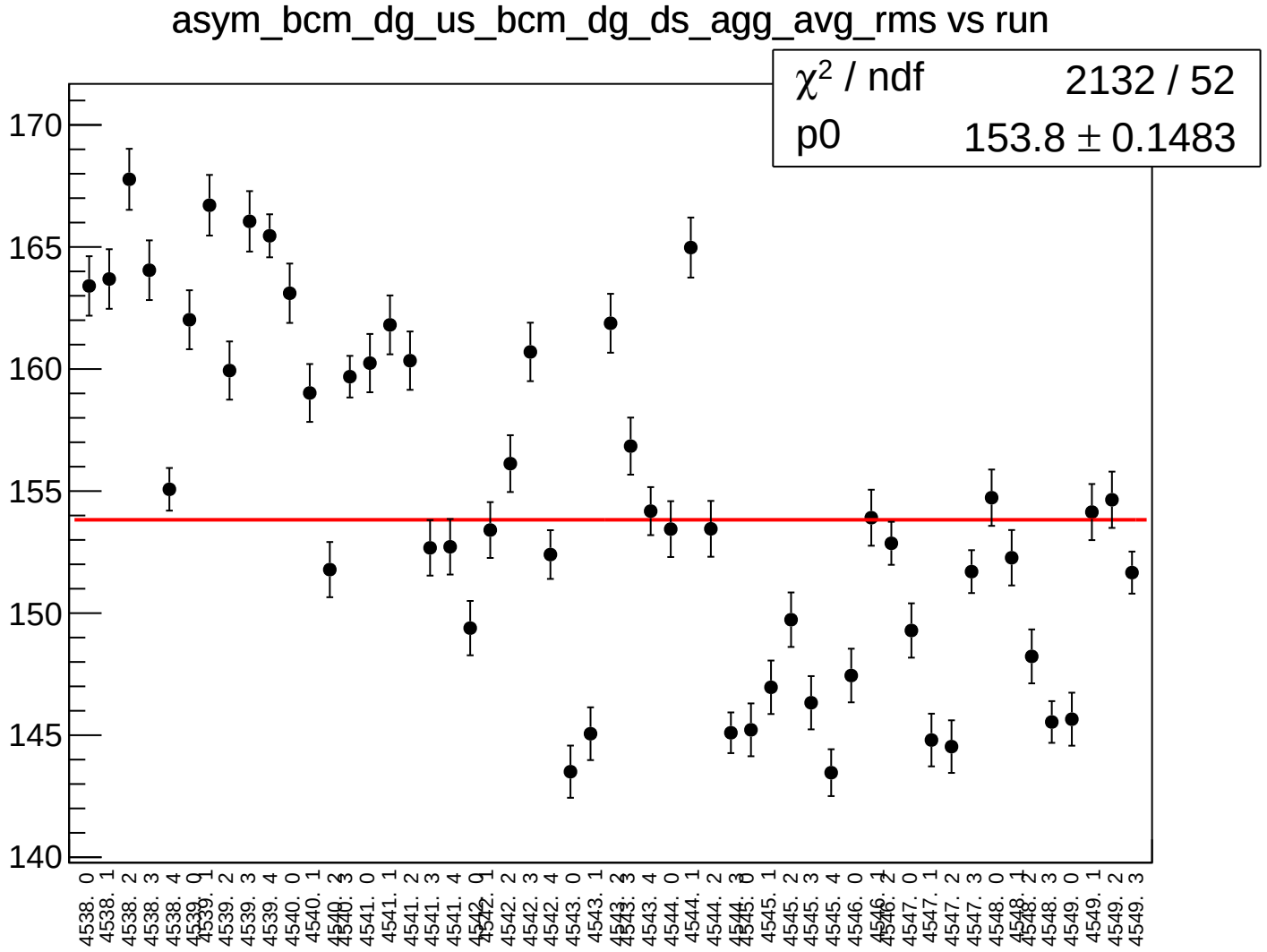
4549. 2
4549. 3


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 4.517 / 52
p0 −83.06 ± 209.7
pull
Entries 53
Mean −31.8
Std Dev 26.66


pull1D
Entries 53
Mean −0.003883
Std Dev 0.2919


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2132 / 52
p0 153.8 ± 0.1483
170
165
160
155
150
145
140
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
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4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
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4544. 2
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4546. 2
4547. 0
4547. 1
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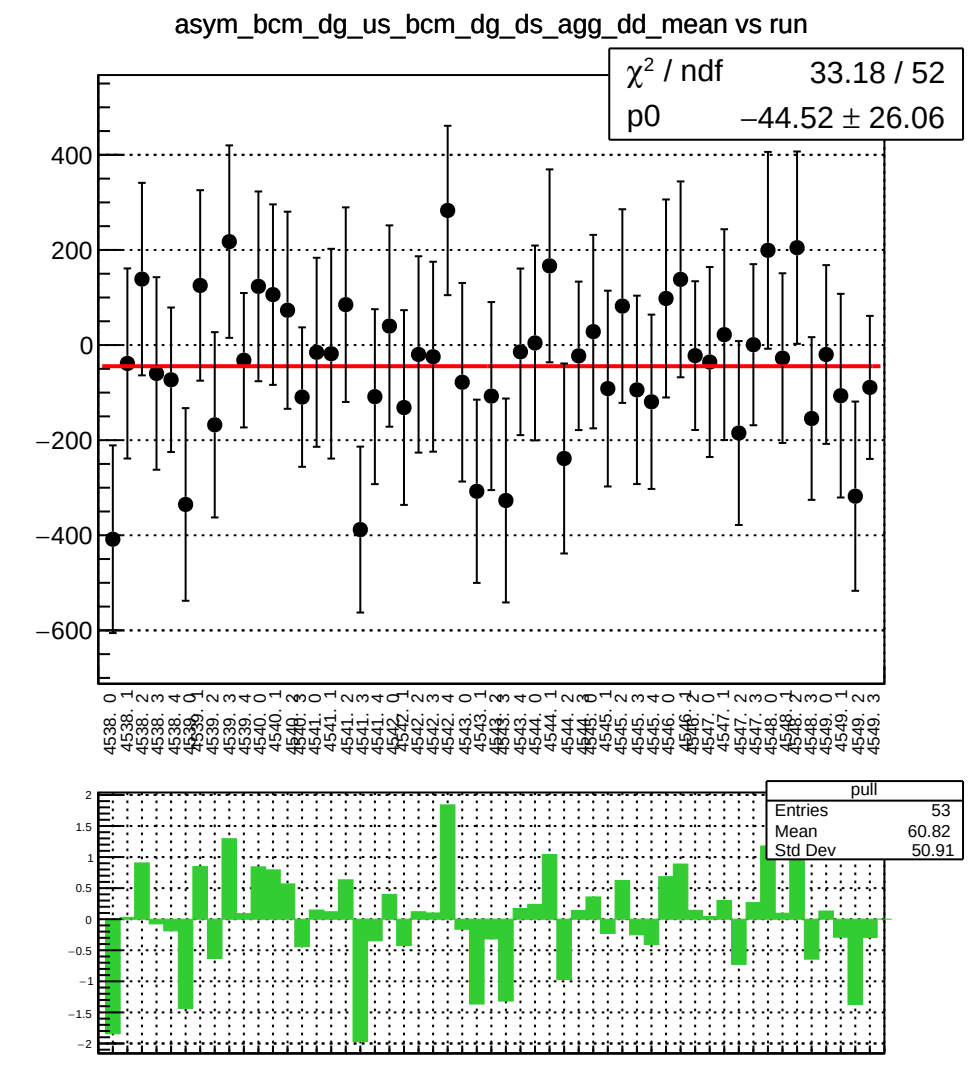
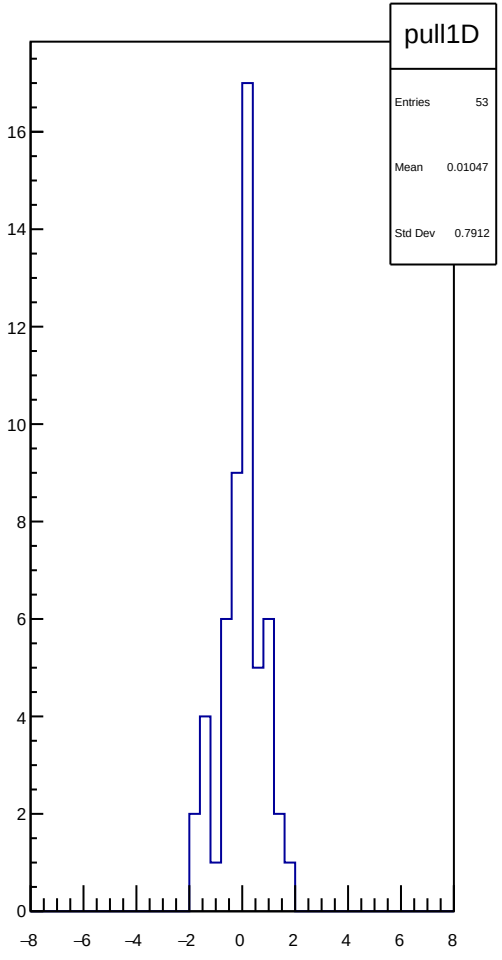
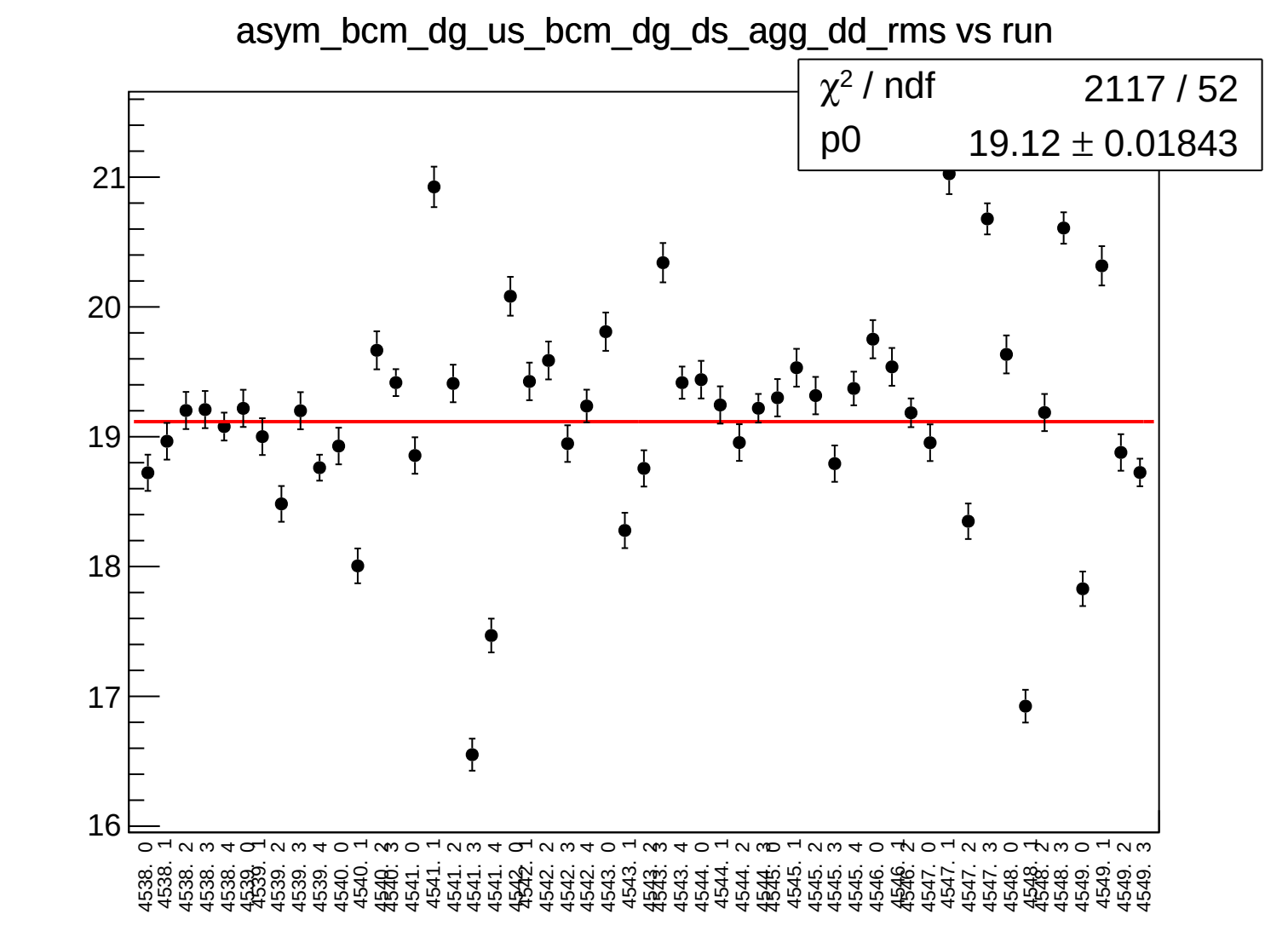
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 33.18 / 52
p0 −44.52 ± 26.06
pull
Entries 53
Mean 60.82
Std Dev 50.91


pull1D
Entries 53
Mean 0.01047
Std Dev 0.7912


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2117 / 52
p0 19.12 ± 0.01843
21
20
19
18
17
16
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
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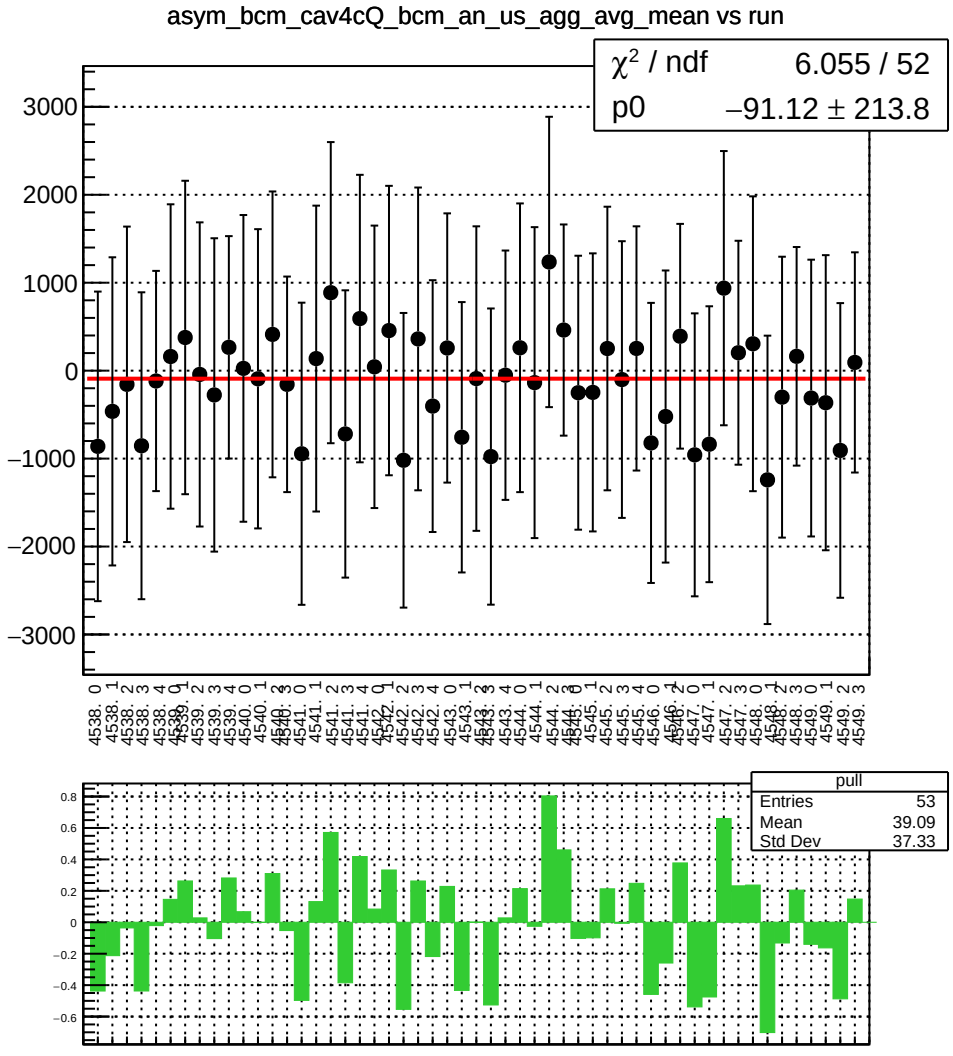
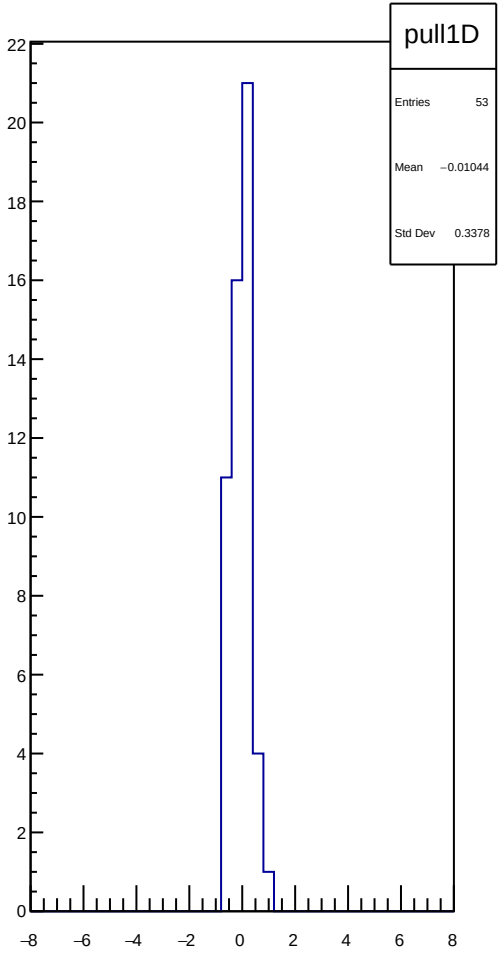
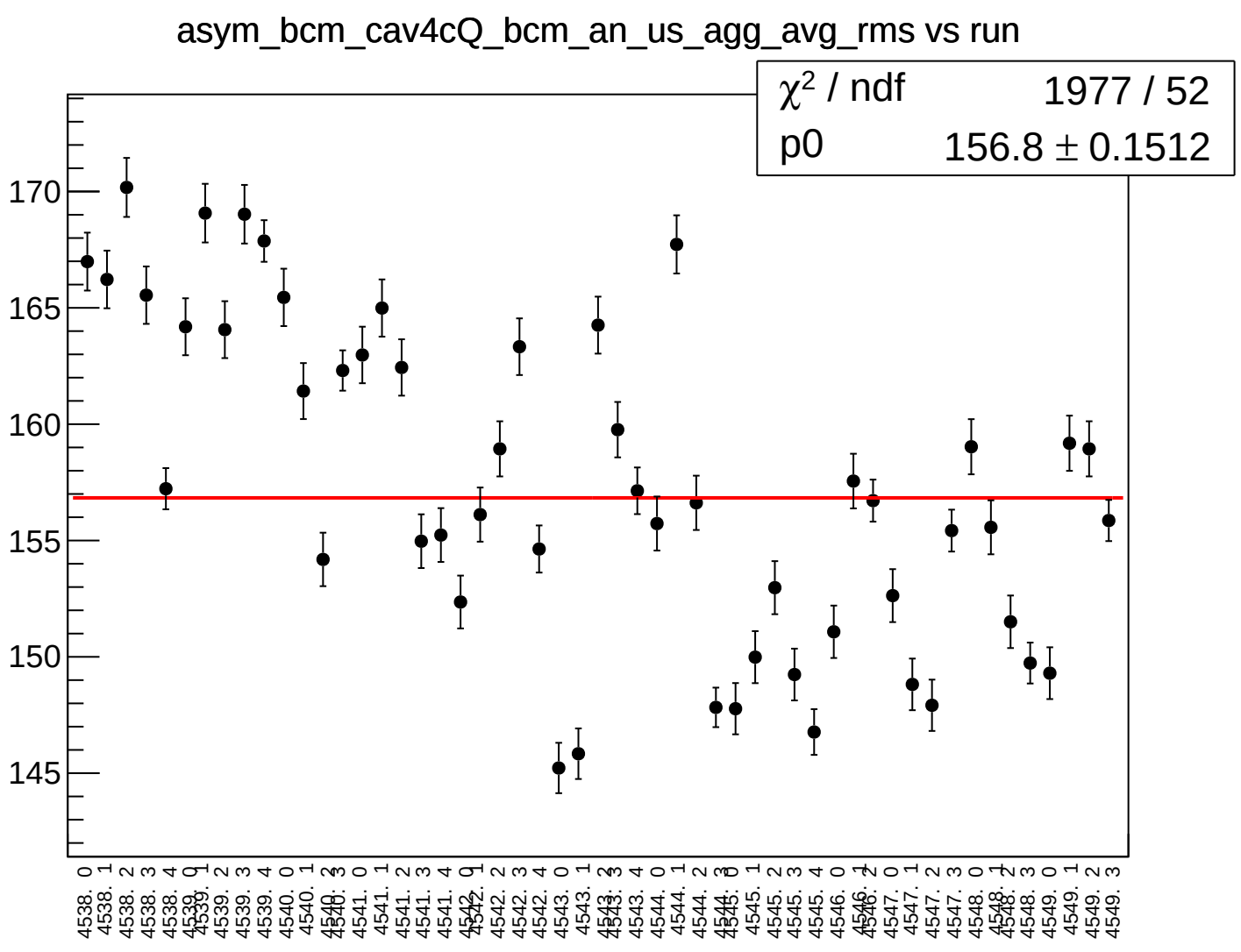

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 6.055 / 52
p0 −91.12 ± 213.8
pull
Entries 53
Mean 39.09
Std Dev 37.33


pull1D
Entries 53
Mean −0.01044
Std Dev 0.3378


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1977 / 52
p0 156.8 ± 0.1512
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
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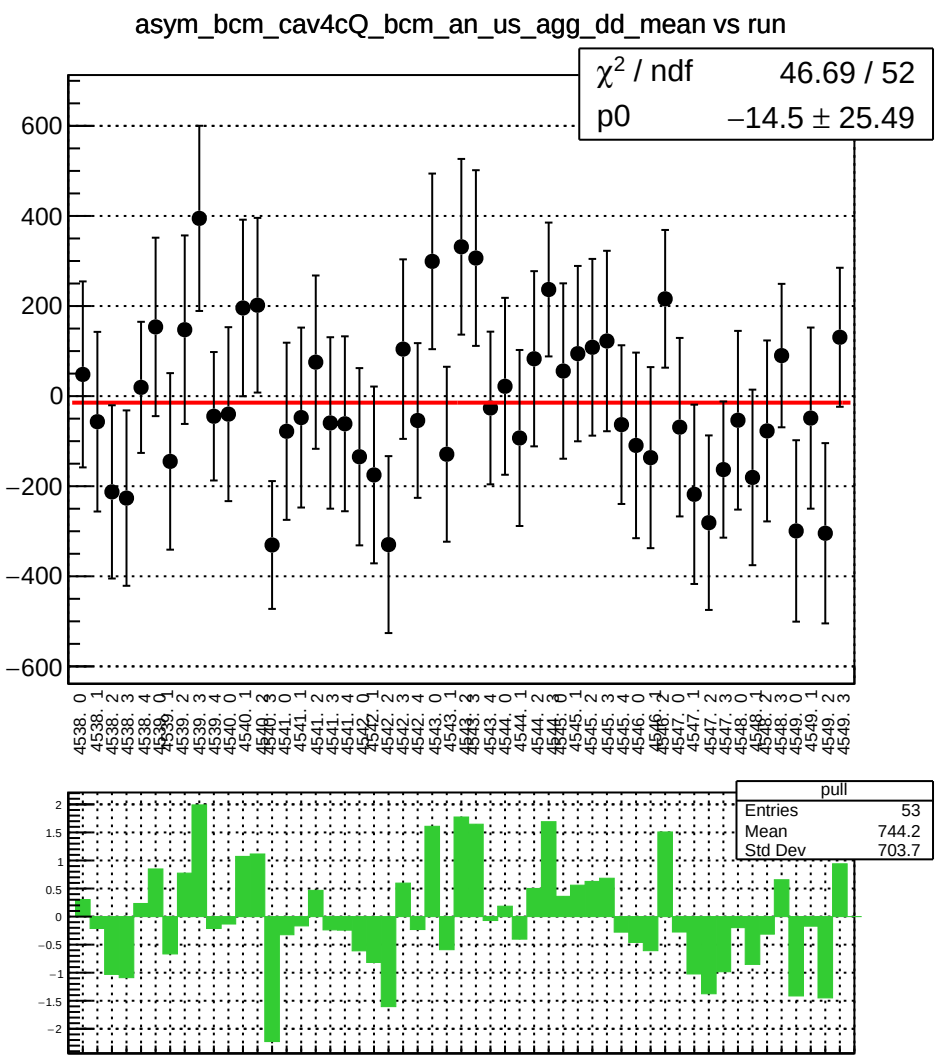
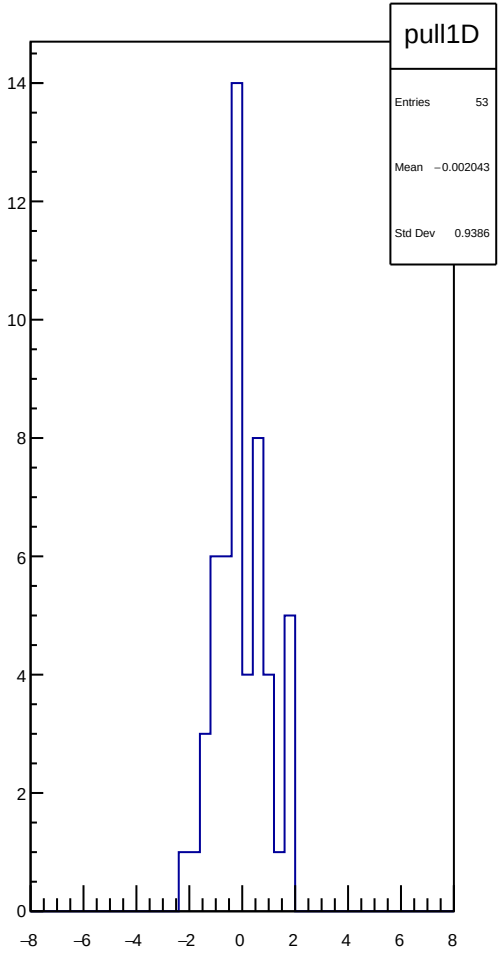
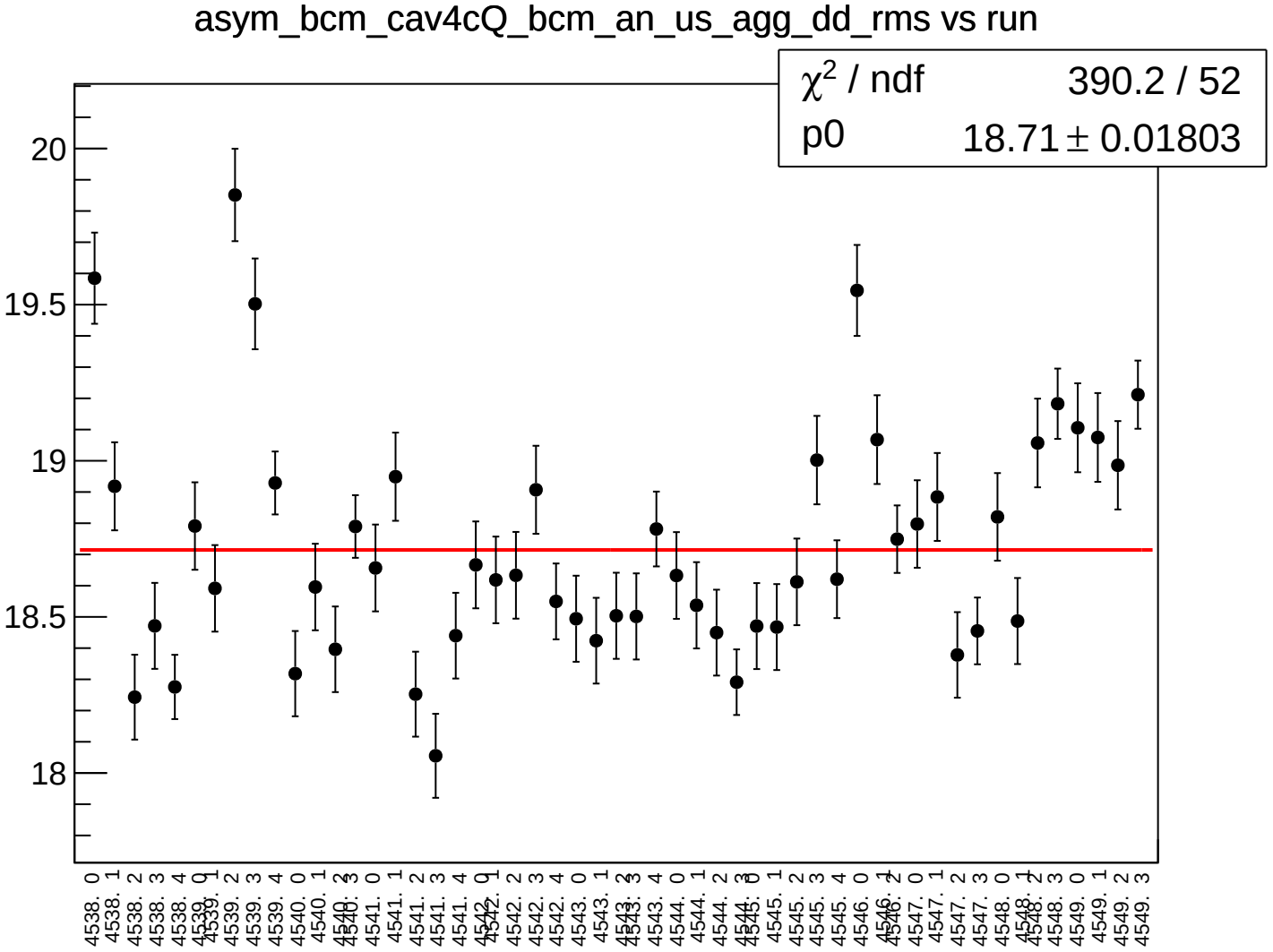
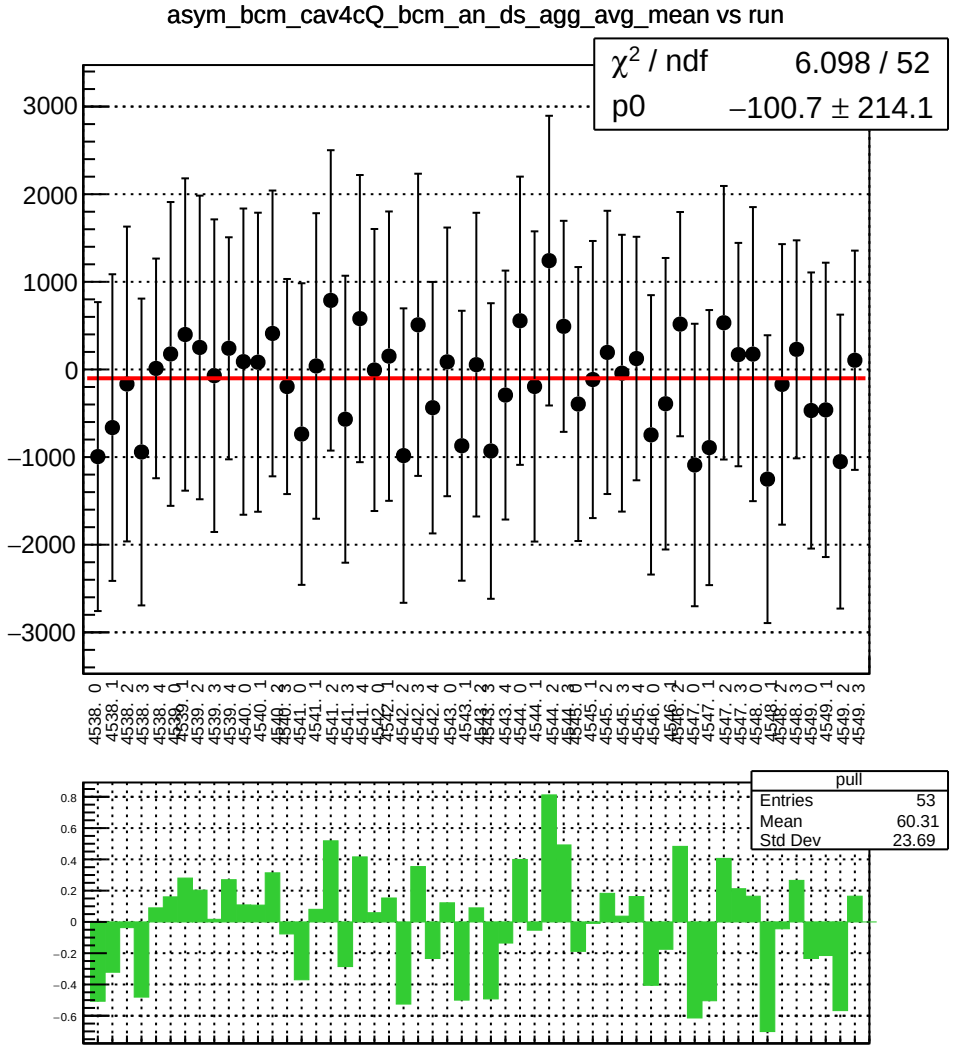
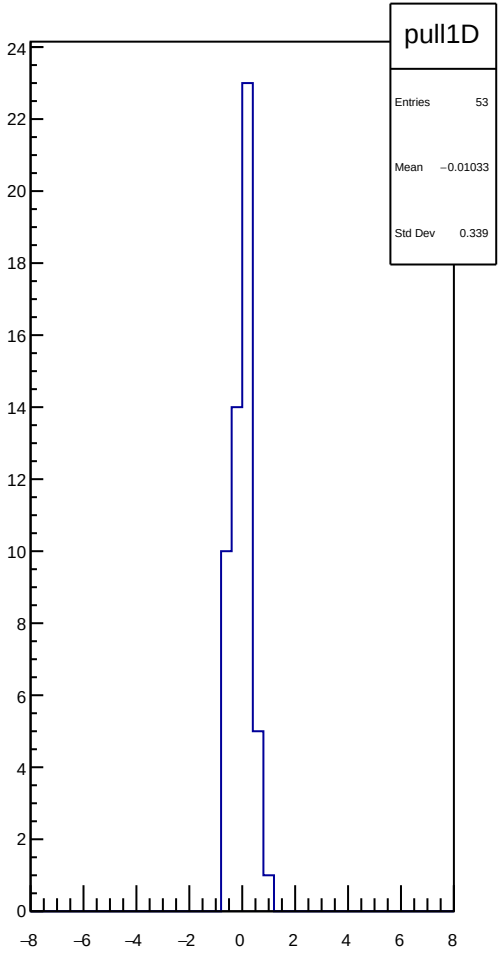
4549. 3

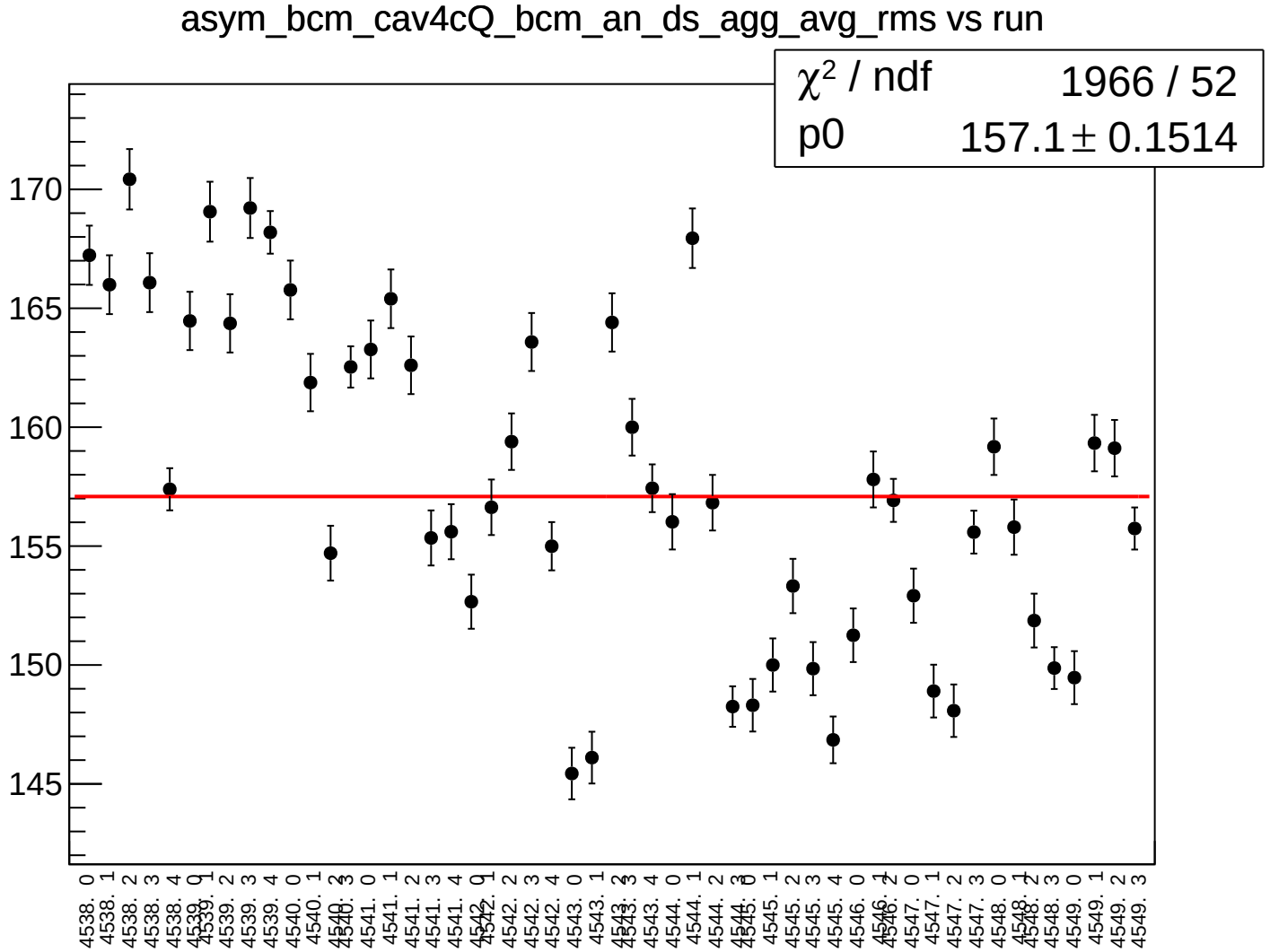

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 46.69 / 52
p0 −14.5 ± 25.49
pull
Entries 53
Mean 744.2
Std Dev 703.7

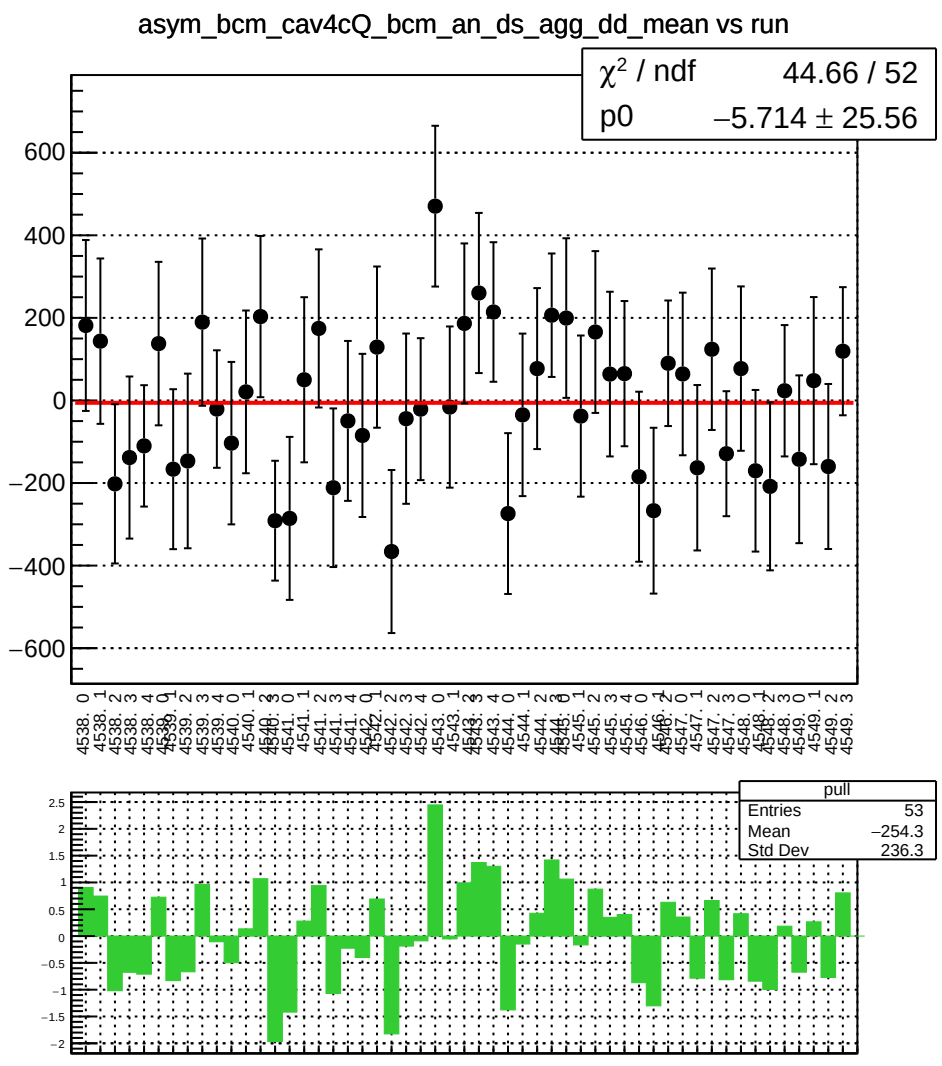

pull1D
Entries 53
Mean −0.002043
Std Dev 0.9386

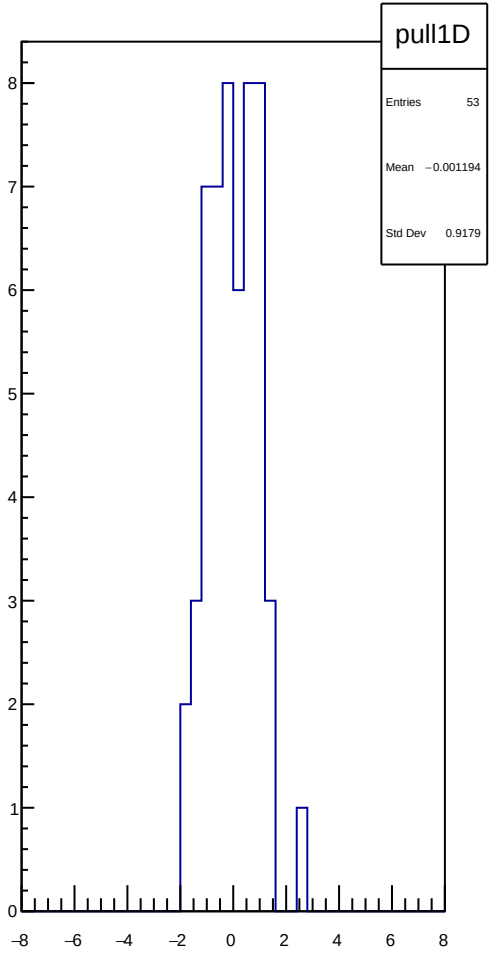

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 390.2 / 52
p0 18.71 ± 0.01803
20
19.5
19
18.5
18

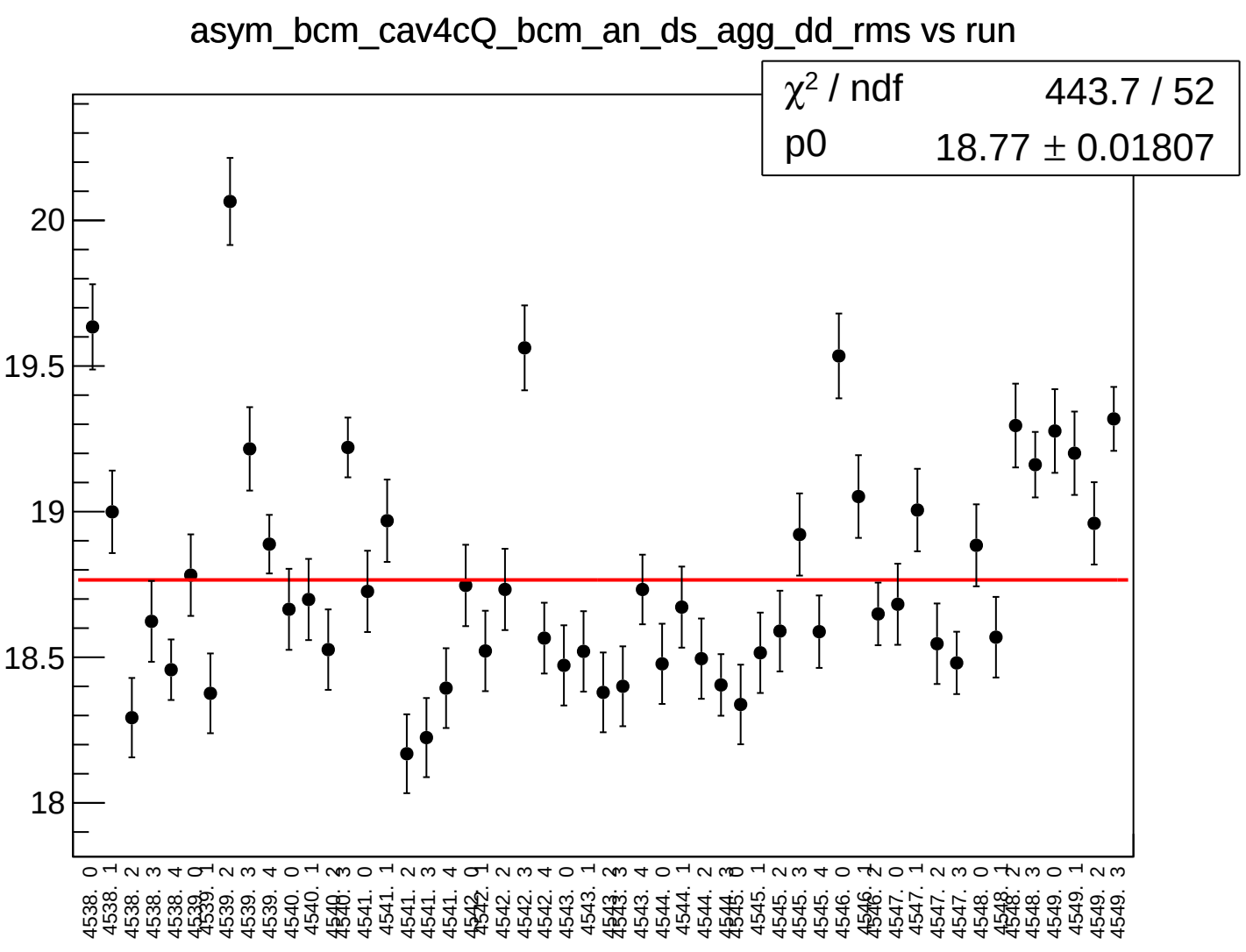

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 6.098 / 52
p0 −100.7 ± 214.1
pull
Entries 53
Mean 60.31
Std Dev 23.69

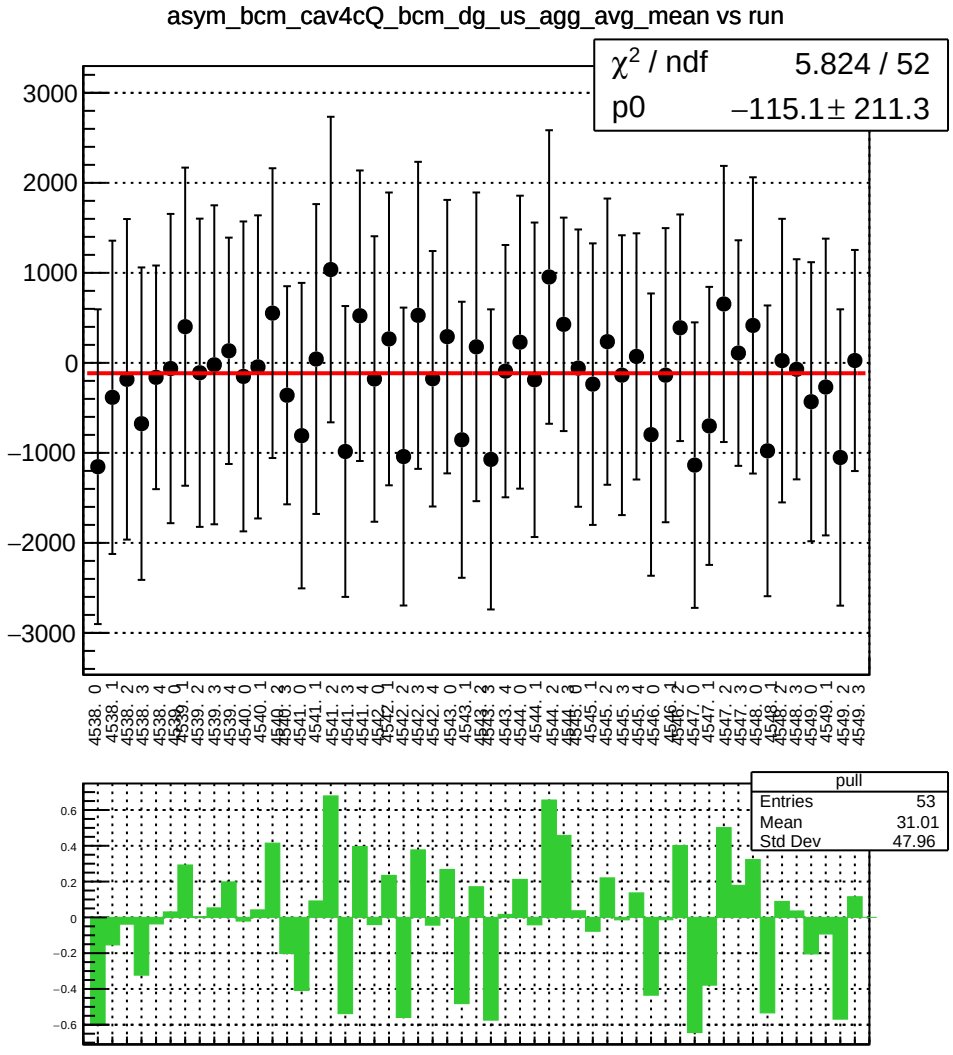

pull1D
Entries 53
Mean −0.01033
Std Dev 0.339

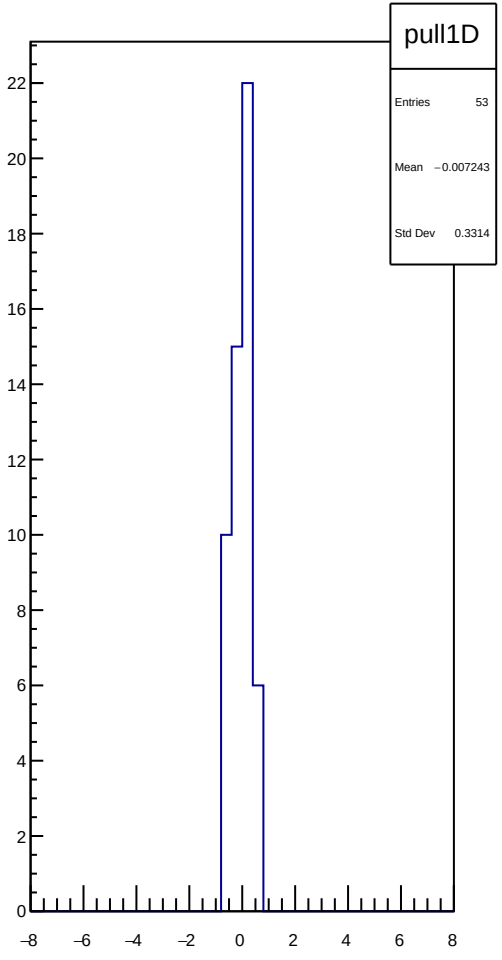

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1966 / 52
p0 157.1 ± 0.1514
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

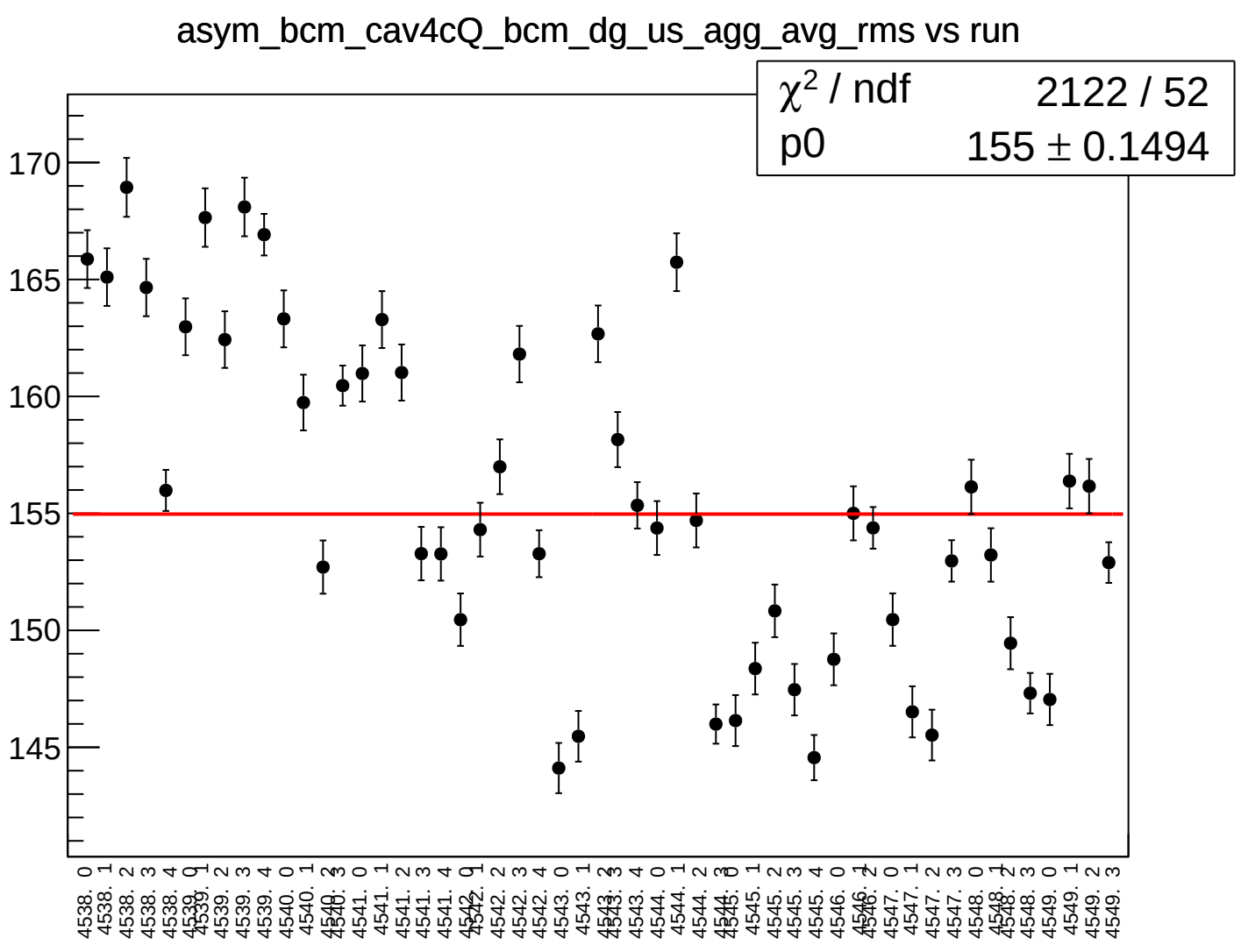

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 44.66 / 52
p0 −5.714 ± 25.56
pull
Entries 53
Mean −254.3
Std Dev 236.3

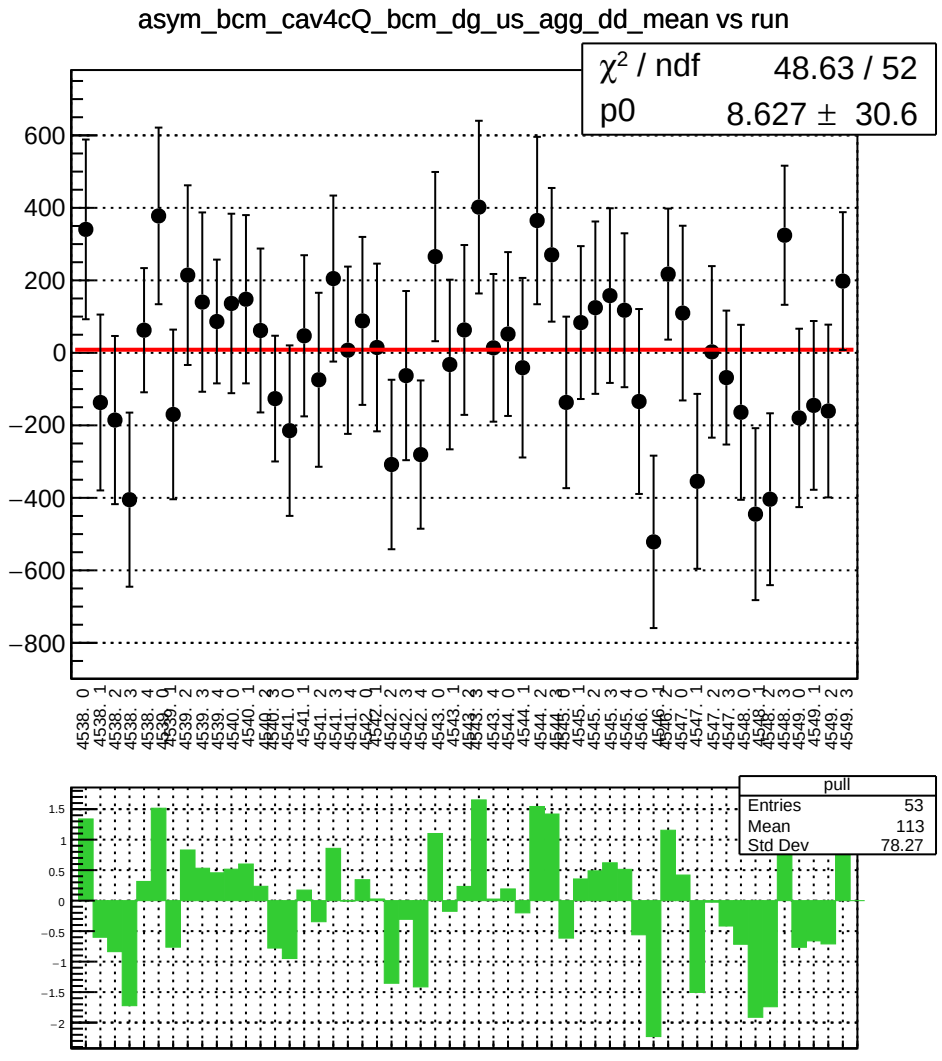

pull1D
Entries 53
Mean −0.001194
Std Dev 0.9179

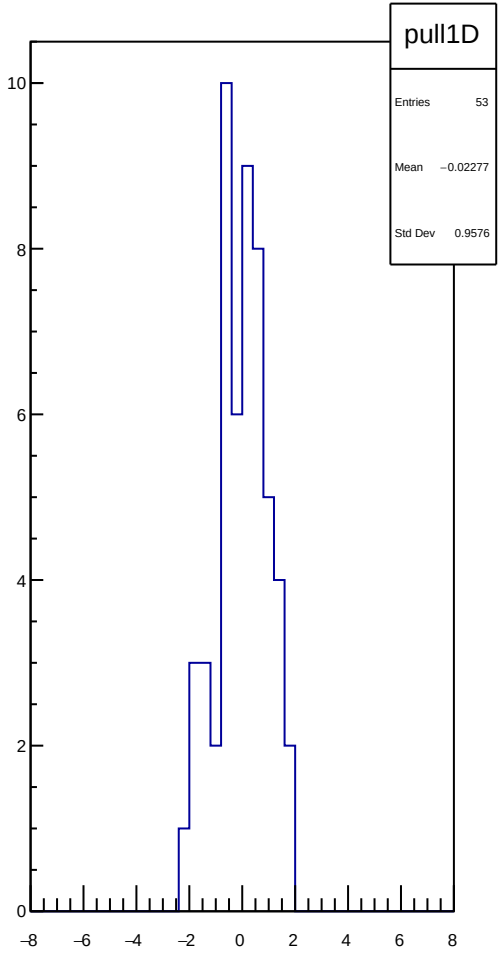

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 443.7 / 52
p0 18.77 ± 0.01807
20
19.5
19
18.5
18
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

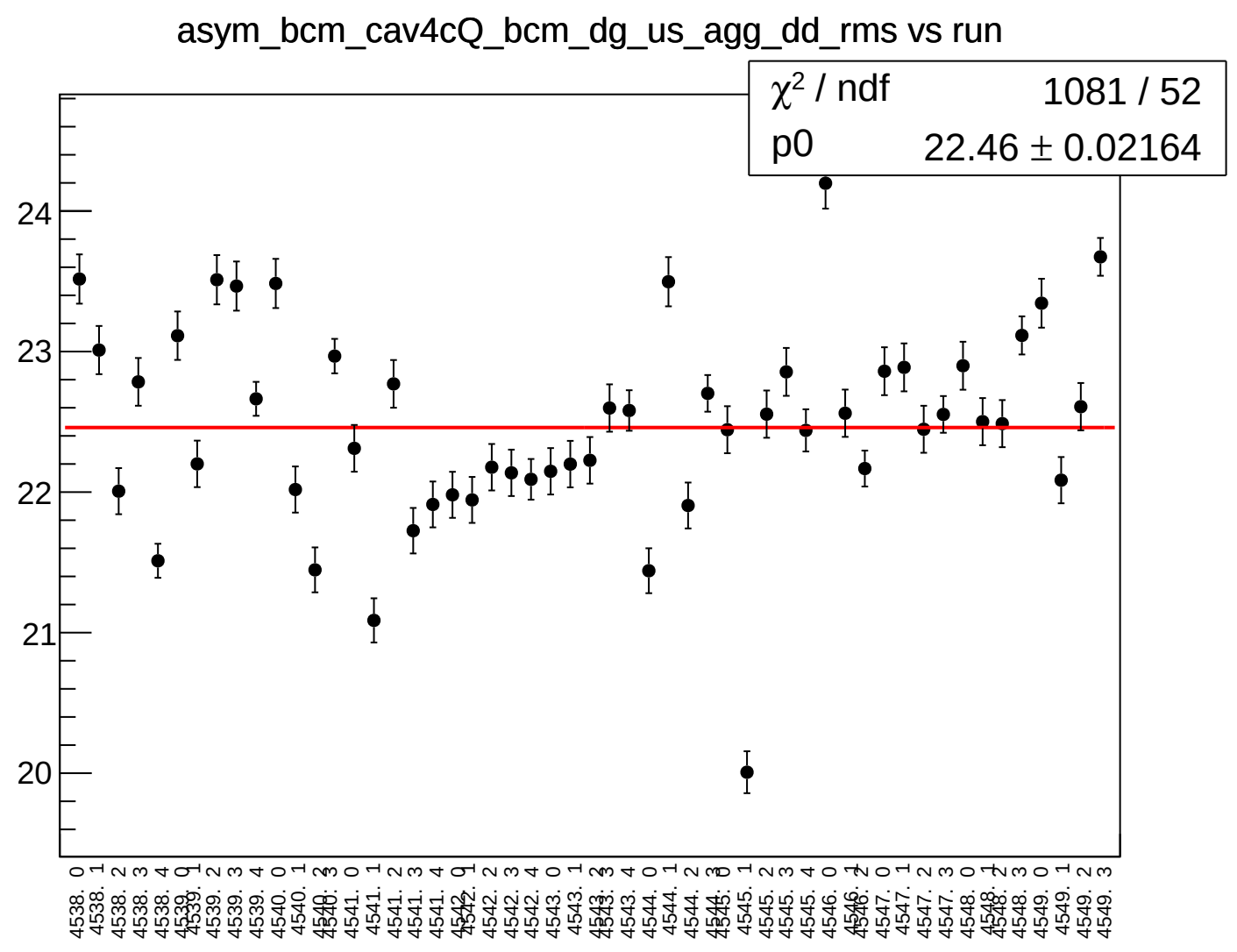

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 5.824 / 52
p0 −115.1± 211.3
pull
Entries 53
Mean 31.01
Std Dev 47.96

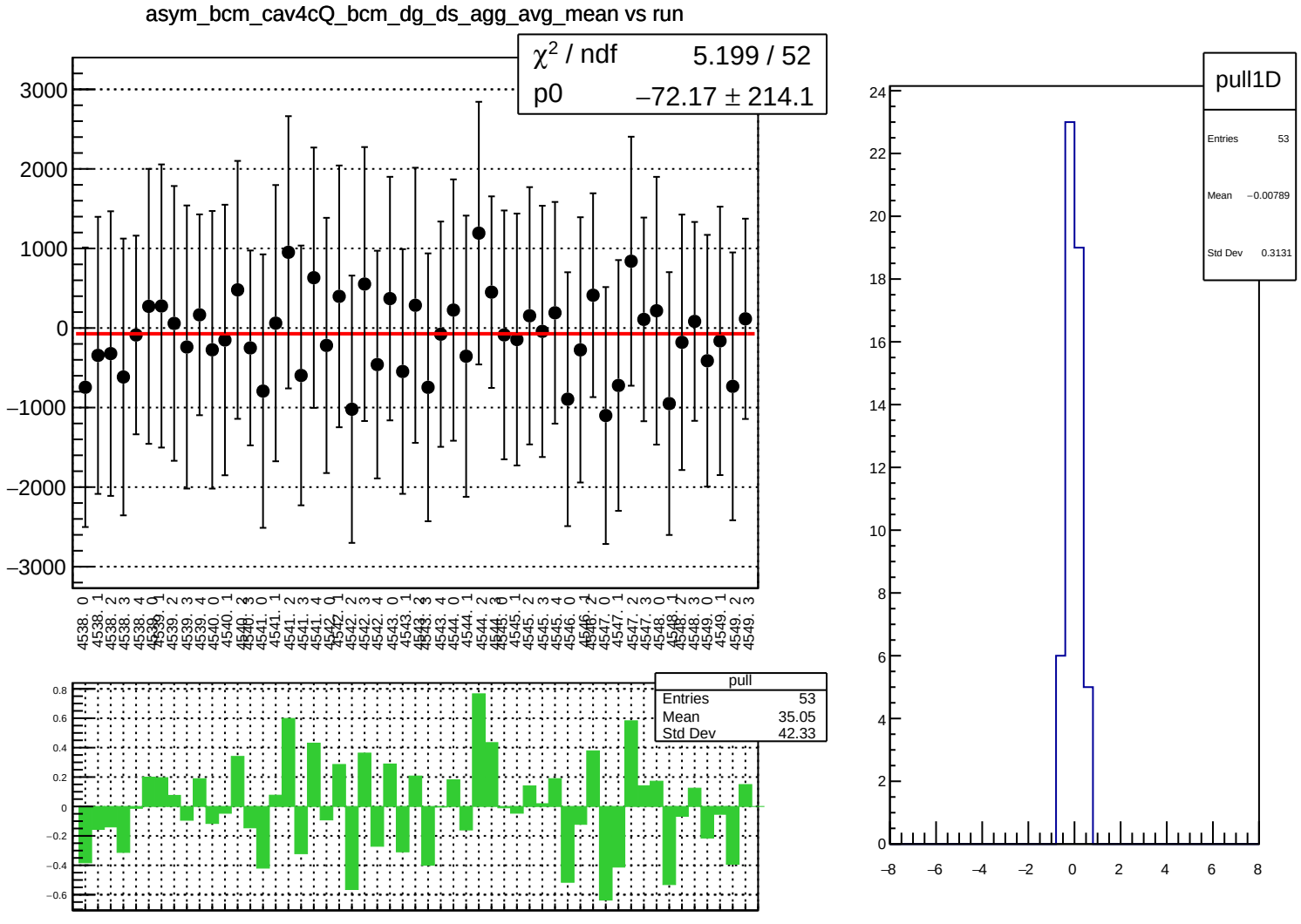

pull1D
Entries 53
Mean −0.007243
Std Dev 0.3314

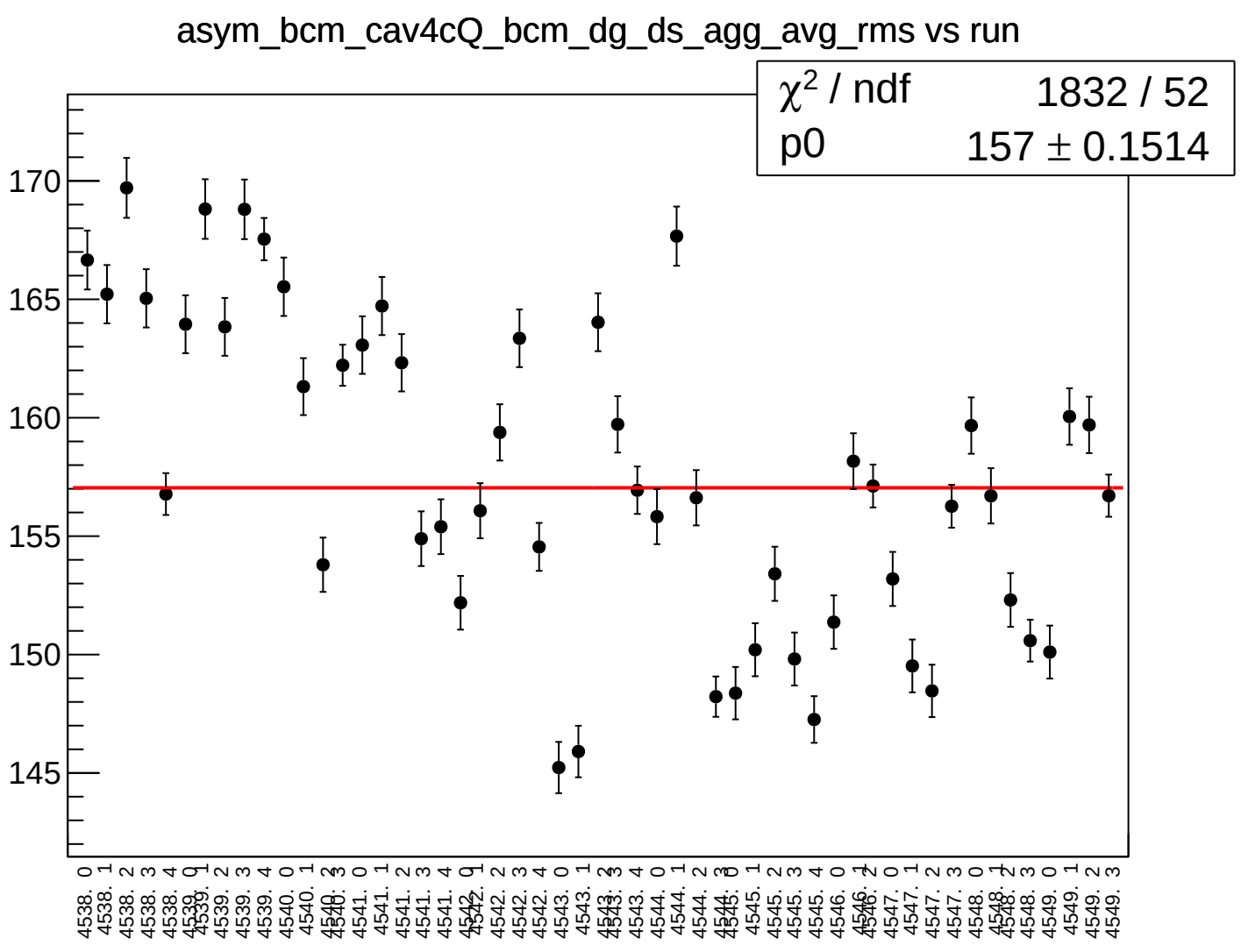

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 2122 / 52
p0 155 ± 0.1494
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

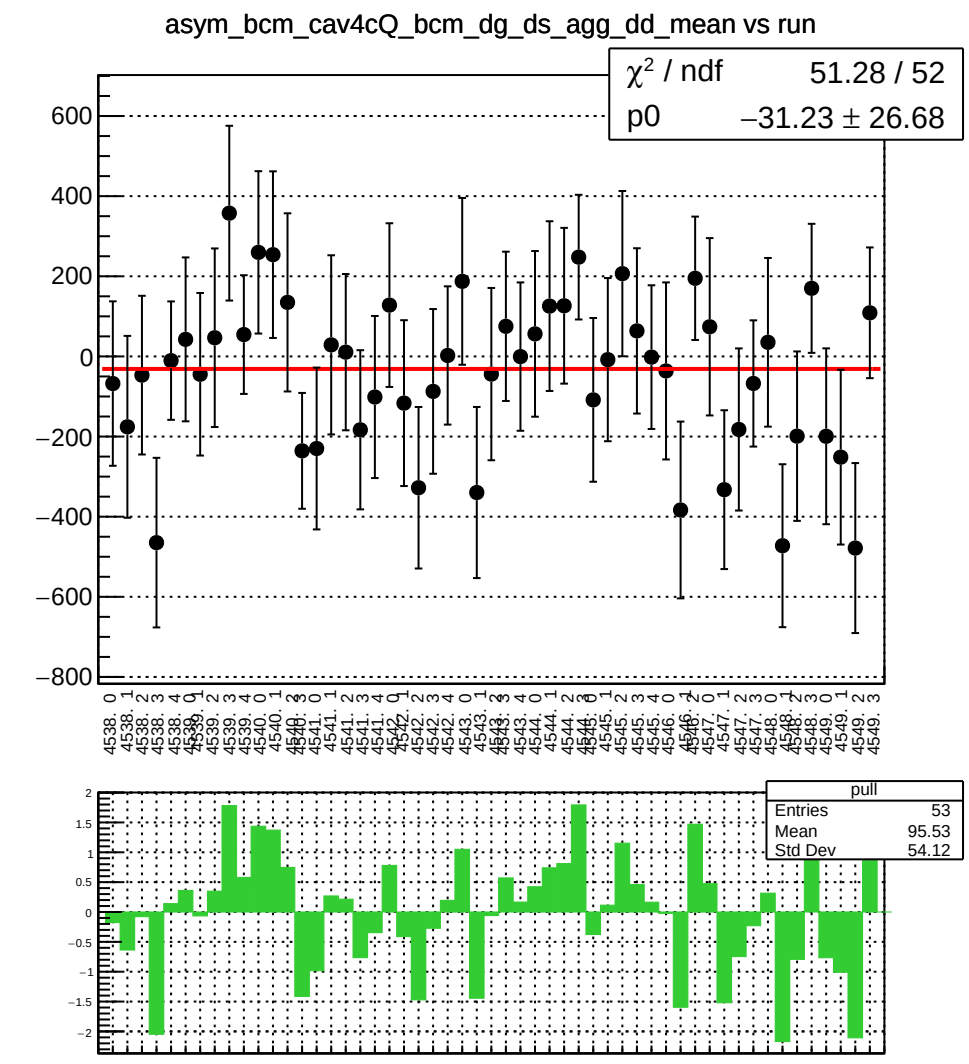

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 48.63 / 52
p0 8.627 ± 30.6
pull
Entries 53
Mean 113
Std Dev 78.27

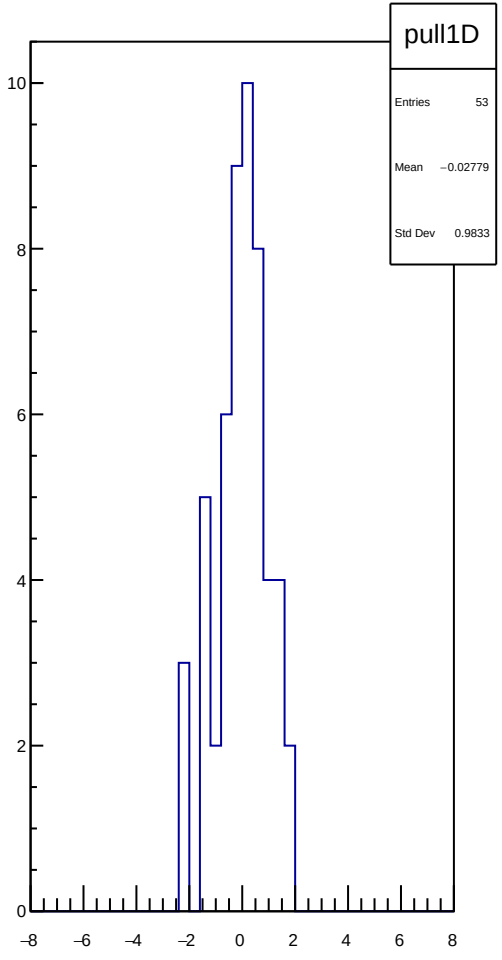

pull1D
Entries 53
Mean −0.02277
Std Dev 0.9576

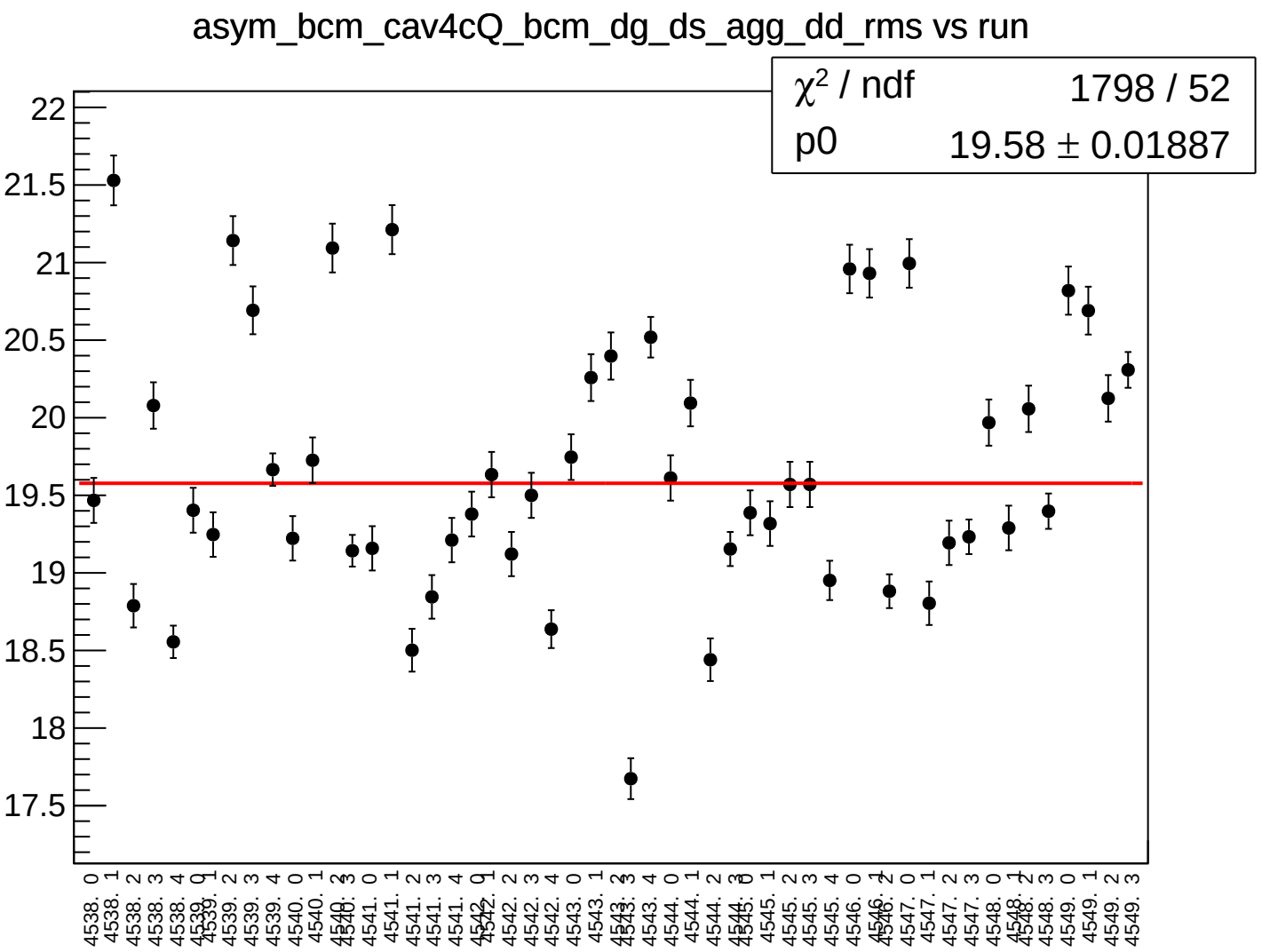

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1081 / 52
p0 22.46 ± 0.02164
24
23
22
21
20
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

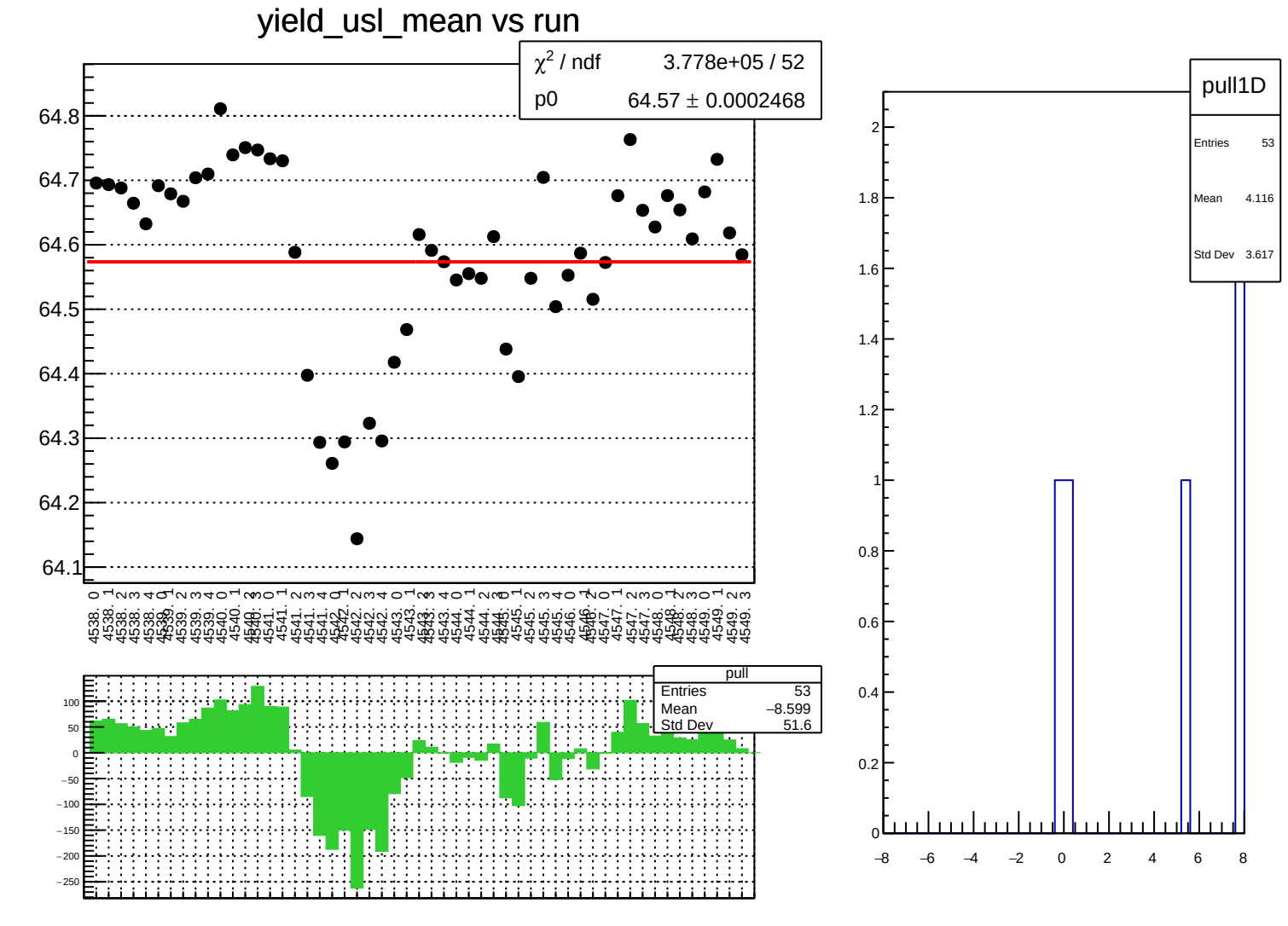

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 5.199 / 52
p0 −72.17 ± 214.1
pull
Entries 53
Mean 35.05
Std Dev 42.33
pull1D
Entries 53
Mean −0.00789
Std Dev 0.3131

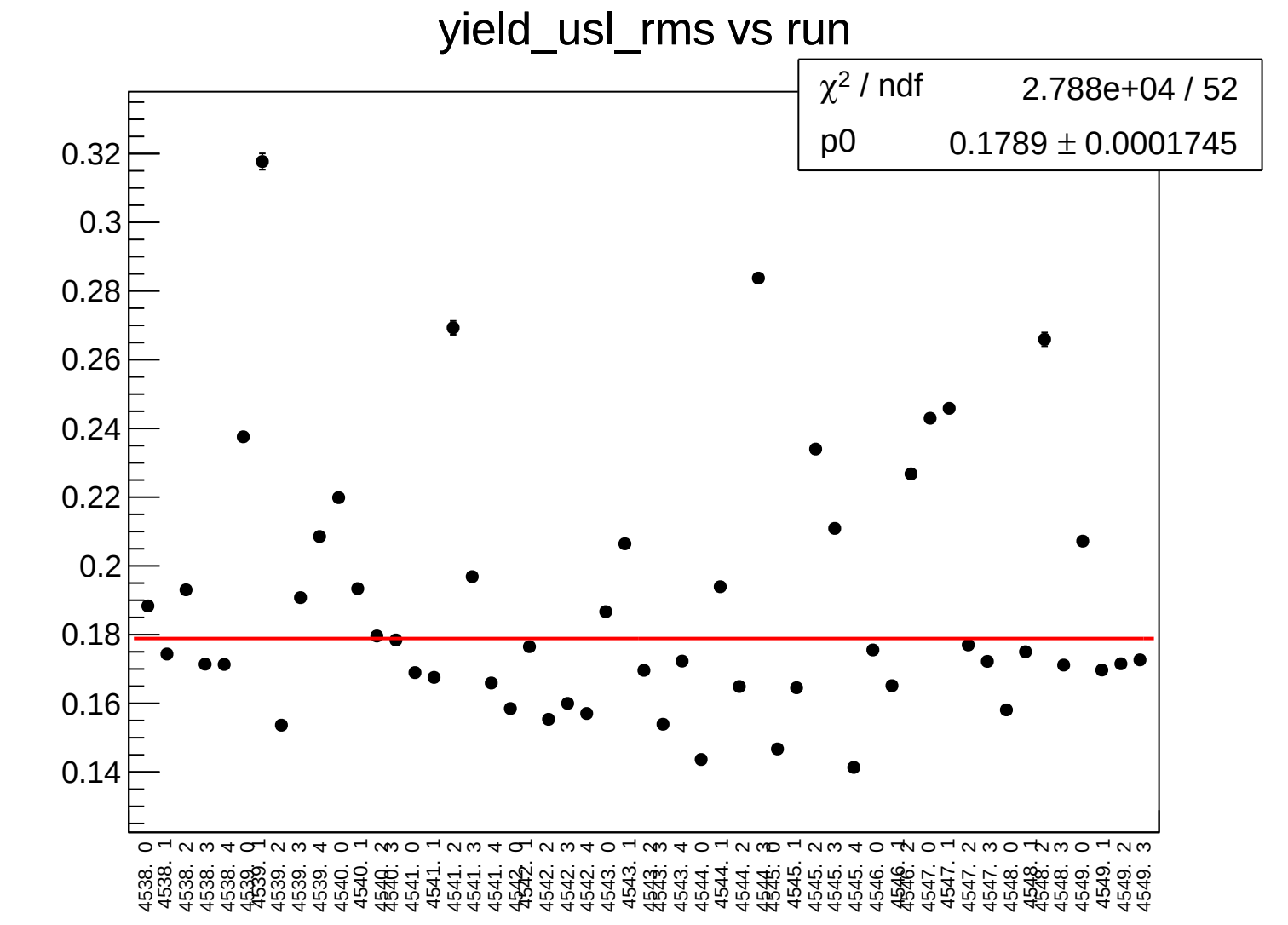

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1832 / 52
p0 157 ± 0.1514
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 51.28 / 52
p0 −31.23 ± 26.68
pull
Entries 53
Mean 95.53
Std Dev 54.12


pull1D
Entries 53
Mean −0.02779
Std Dev 0.9833


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1798 / 52
p0 19.58 ± 0.01887
22
21.5
21
20.5
20
19.5
19
18.5
18
17.5
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


yield_usl_mean vs run
χ² / ndf 3.778e+05 / 52
p0 64.57 ± 0.0002468
64.8
64.7
64.6
64.5
64.4
64.3
64.2
64.1
pull
Entries 53
Mean −8.599
Std Dev 51.6
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 53
Mean 4.116
Std Dev 3.617
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_usl_rms vs run
χ² / ndf 2.788e+04 / 52
p0 0.1789 ± 0.0001745
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
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4544. 2
4544. 3
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4545. 2
4545. 3
4545. 4
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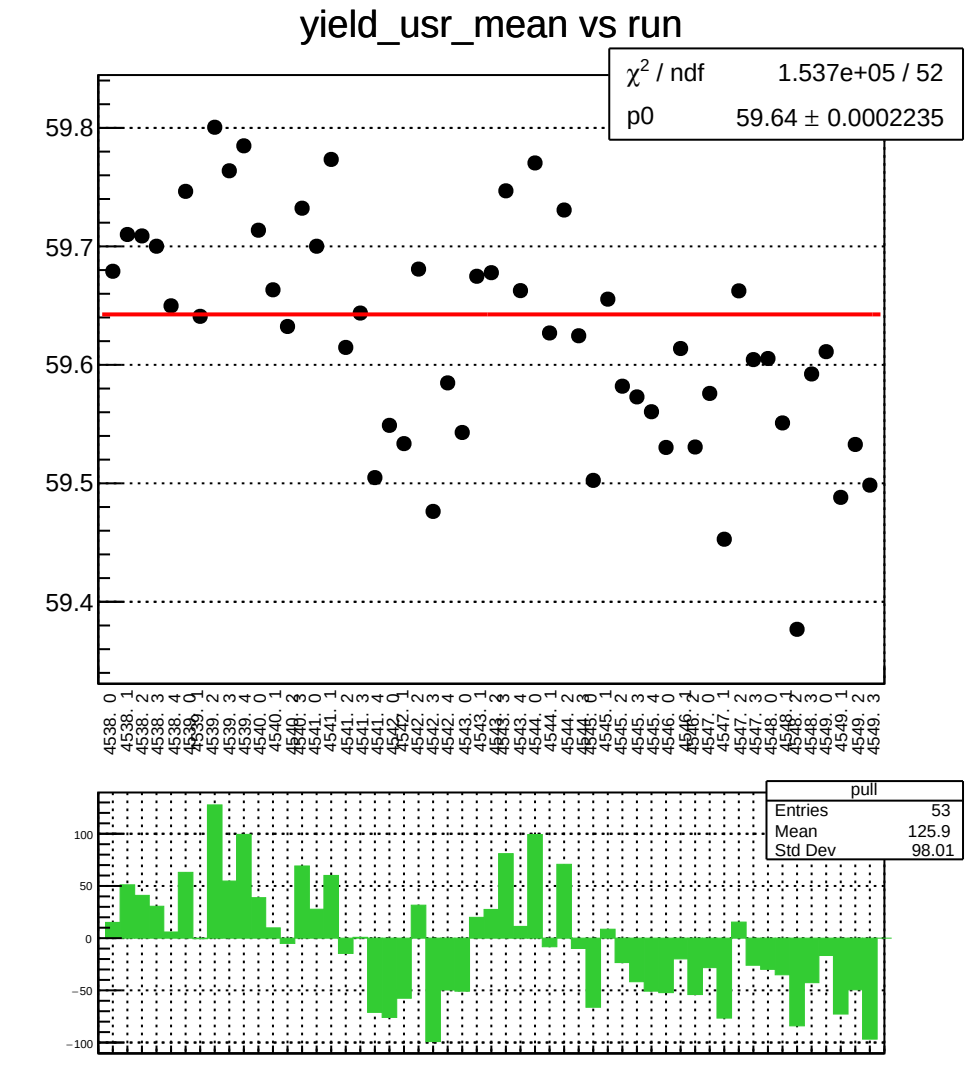
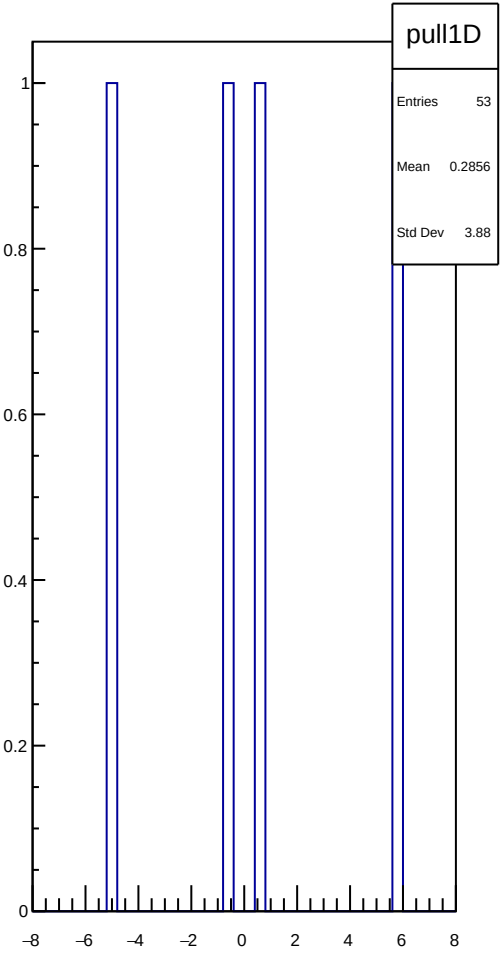
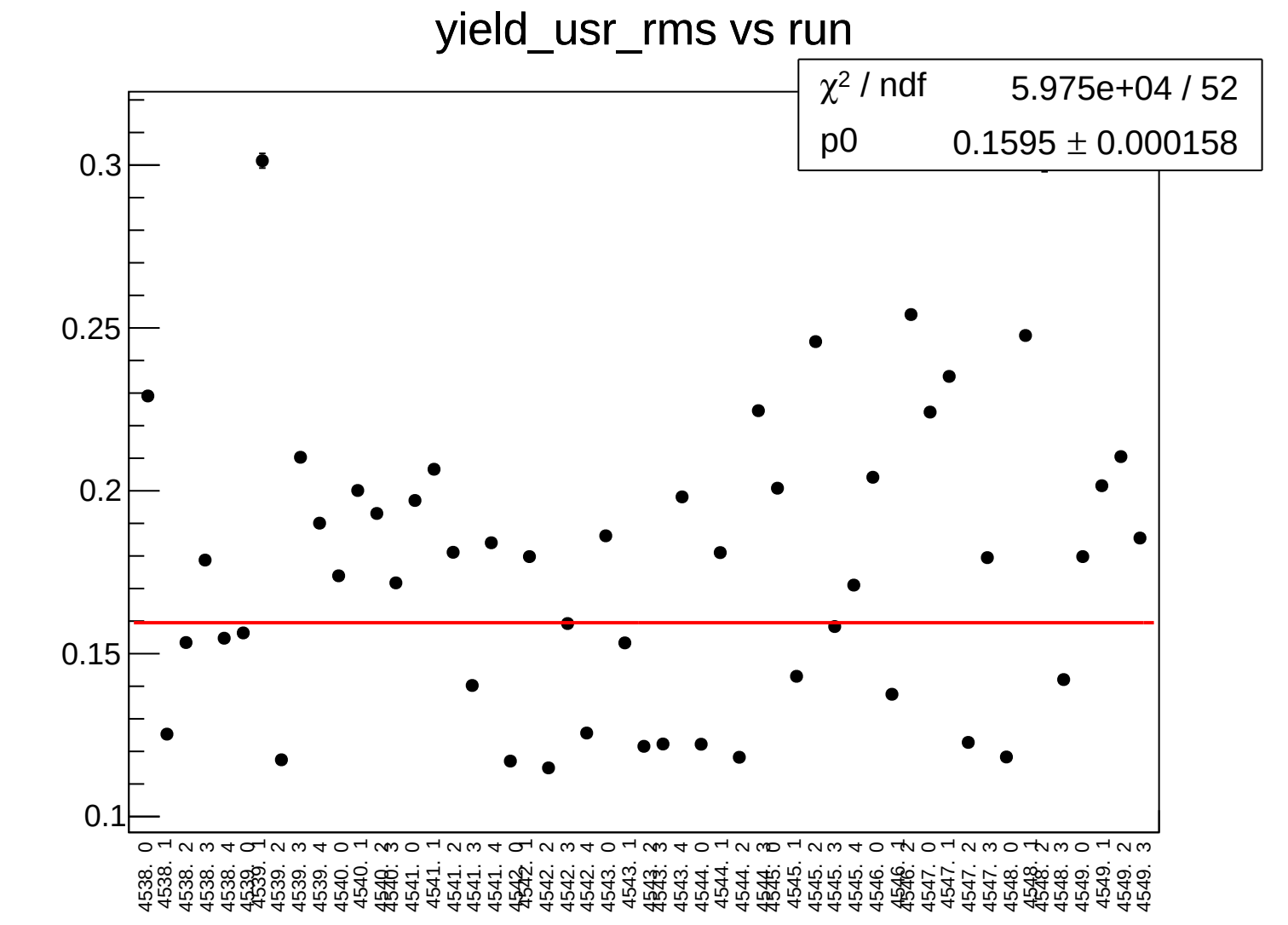
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


yield_usr_mean vs run
χ² / ndf 1.537e+05 / 52
p0 59.64 ± 0.0002235
59.8
59.7
59.6
59.5
59.4
pull
Entries 53
Mean 125.9
Std Dev 98.01
100
50
0
−50
−100


pull1D
Entries 53
Mean 0.2856
Std Dev 3.88
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_usr_rms vs run
χ² / ndf 5.975e+04 / 52
p0 0.1595 ± 0.000158
0.3
0.25
0.2
0.15
0.1
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
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4545. 1
4545. 2
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4546. 1
4546. 2
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4547. 1
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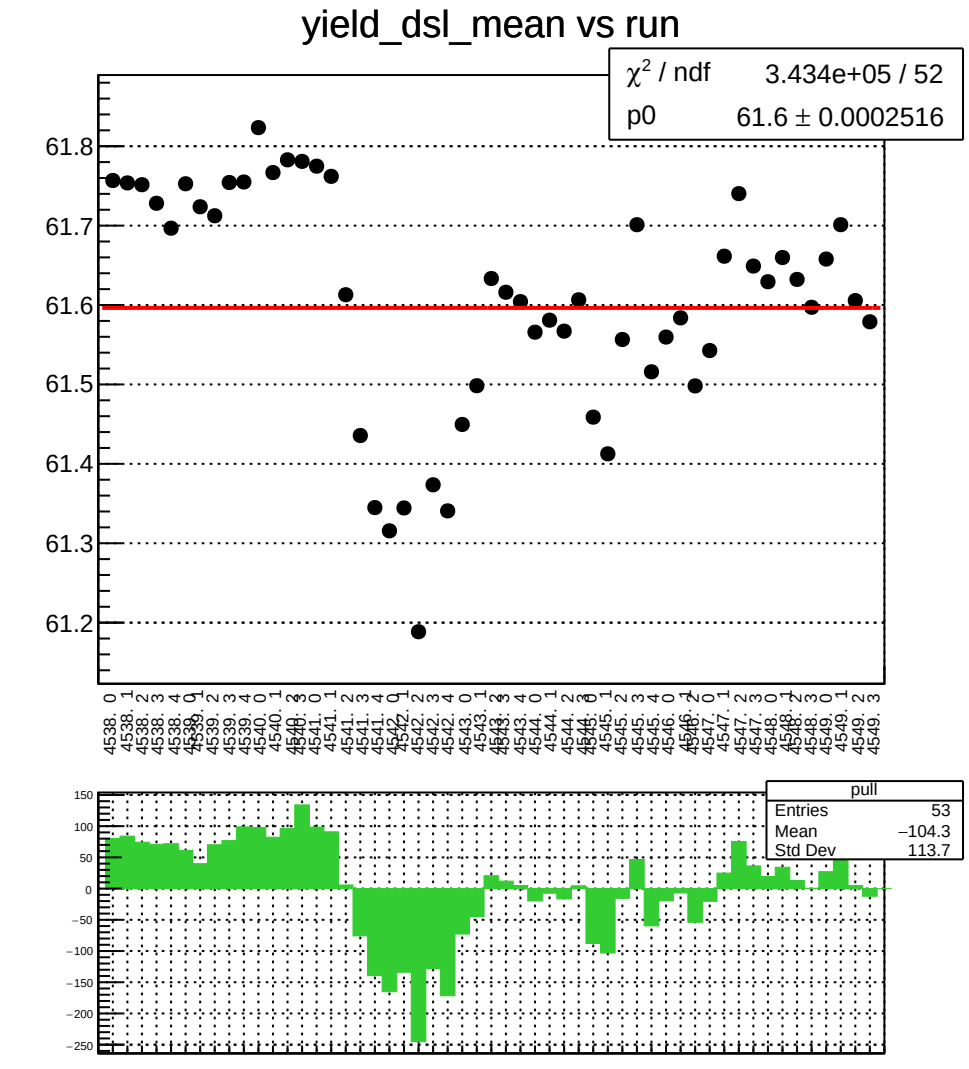
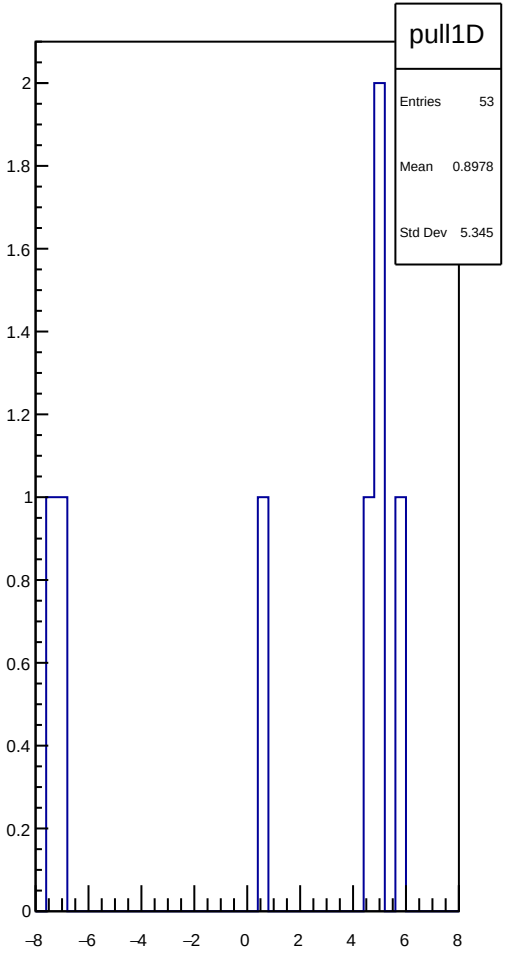
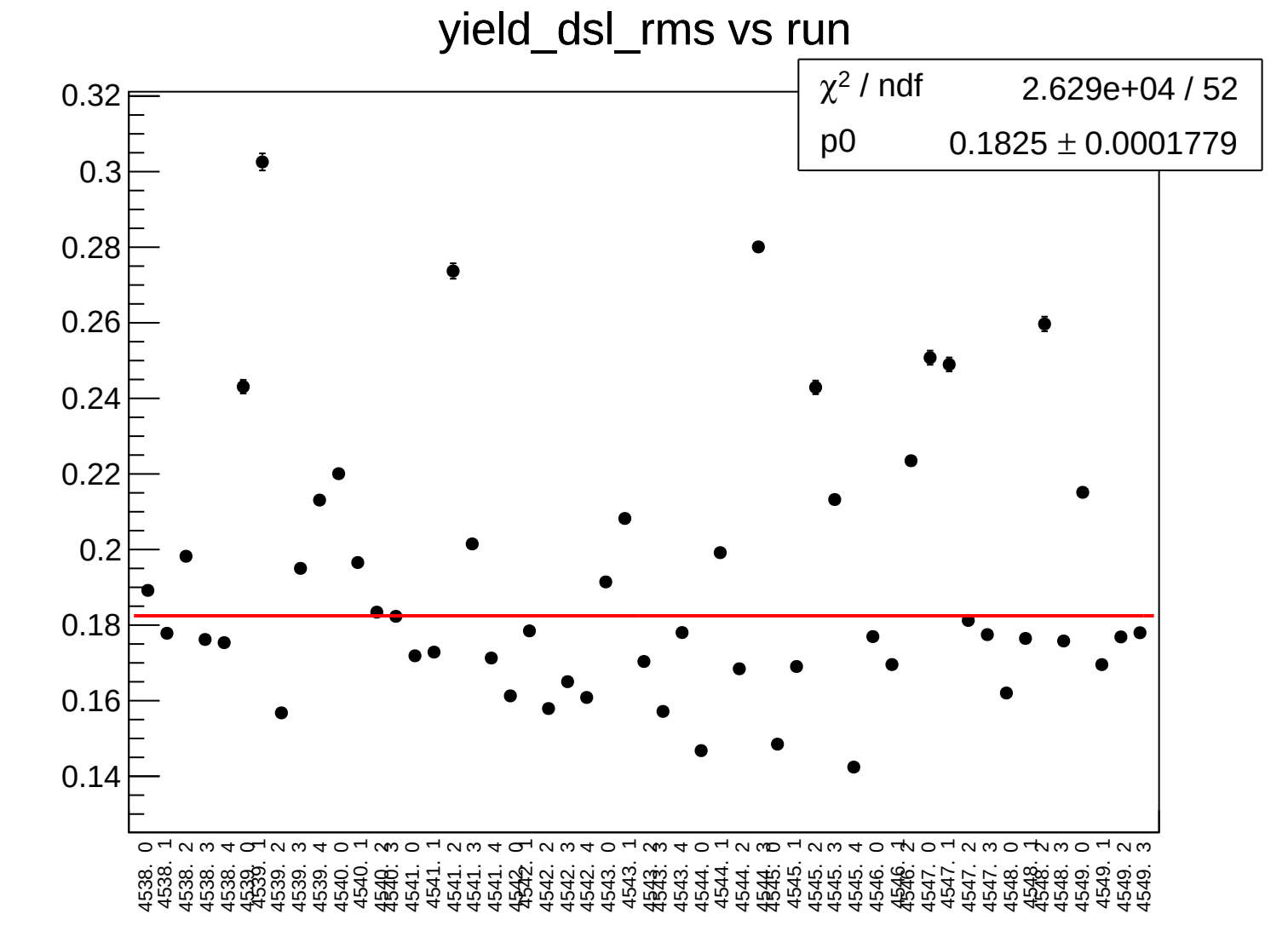
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


yield_dsl_mean vs run
χ² / ndf 3.434e+05 / 52
p0 61.6 ± 0.0002516
61.8
61.7
61.6
61.5
61.4
61.3
61.2
pull
Entries 53
Mean −104.3
Std Dev 113.7
150
100
50
0
−50
−100
−150
−200
−250


pull1D
Entries 53
Mean 0.8978
Std Dev 5.345
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_dsl_rms vs run
χ² / ndf 2.629e+04 / 52
p0 0.1825 ± 0.0001779
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
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4541. 1
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4542. 1
4542. 2
4542. 3
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4543. 1
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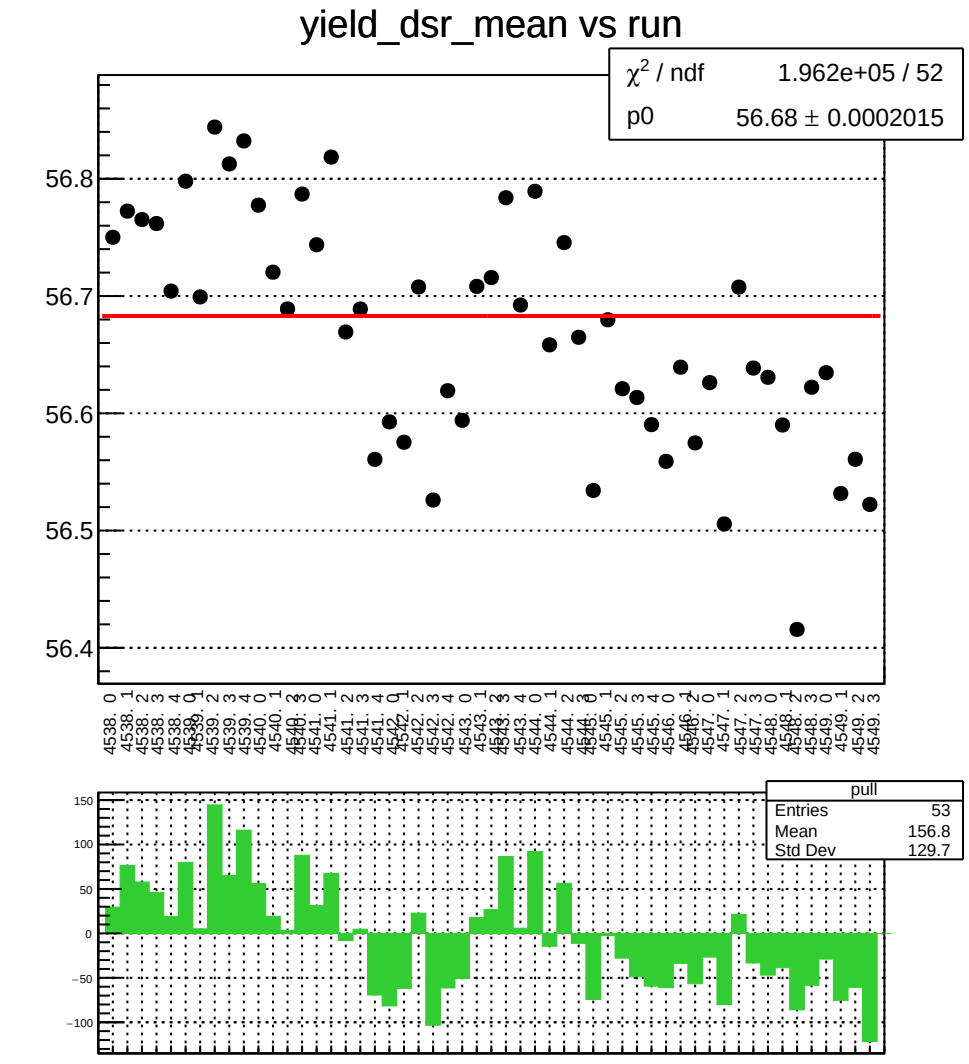
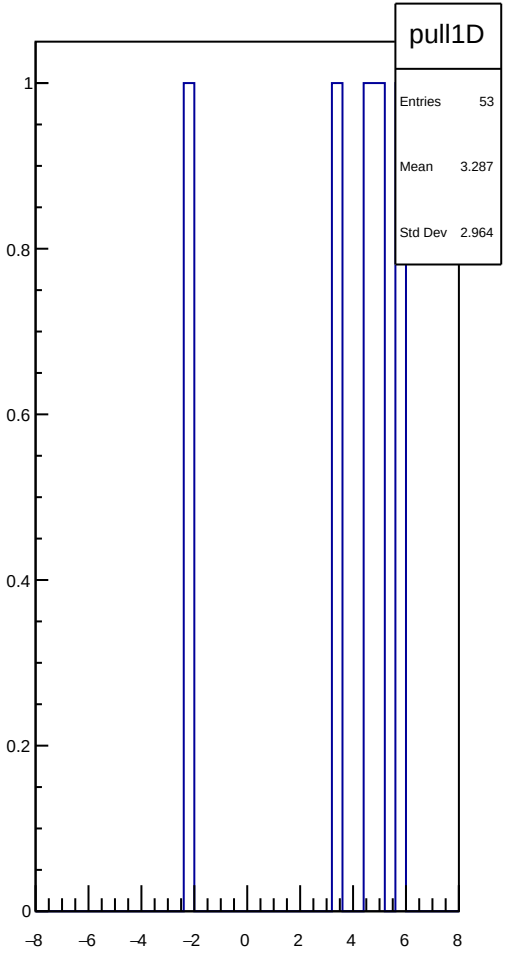
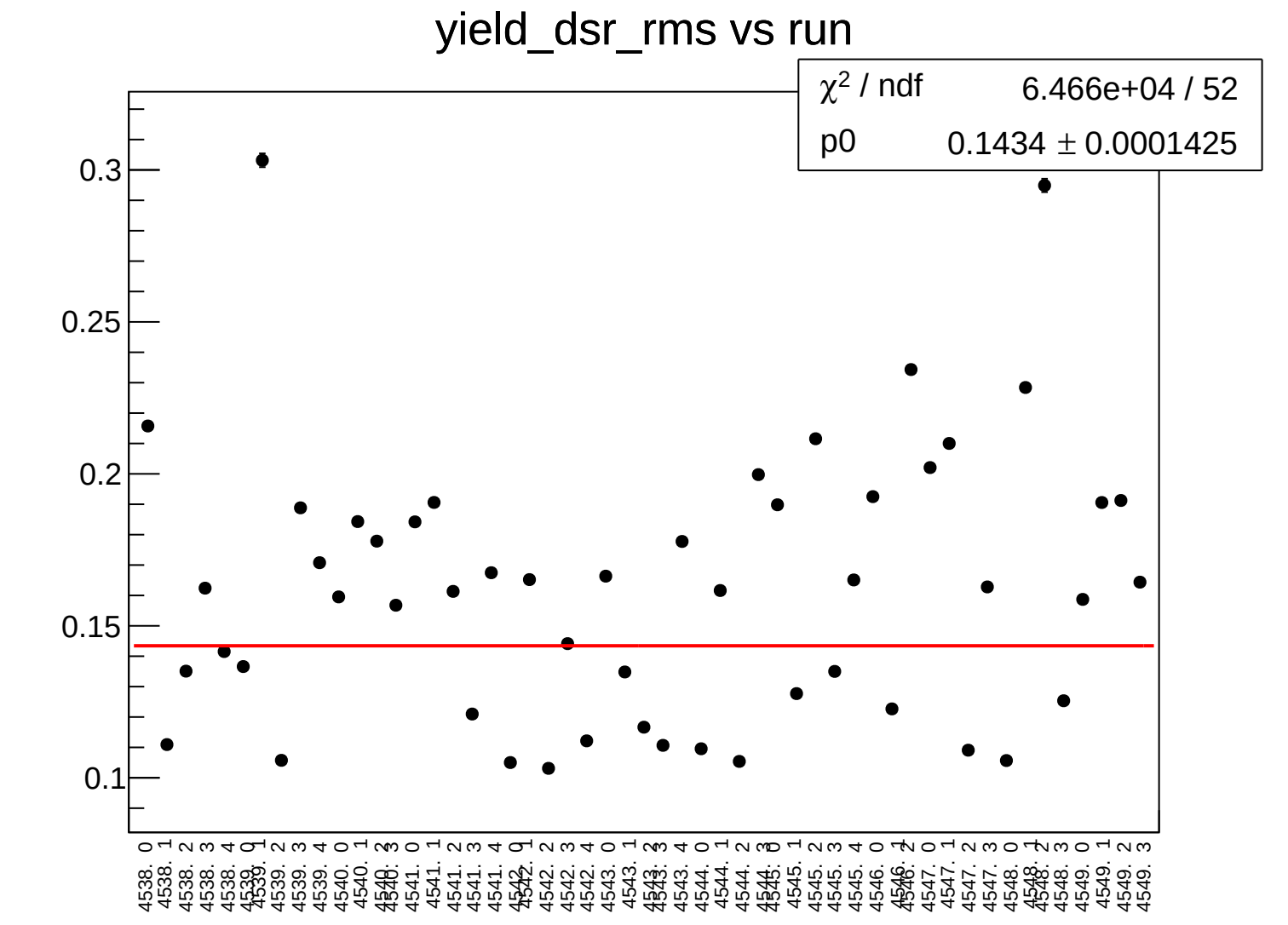
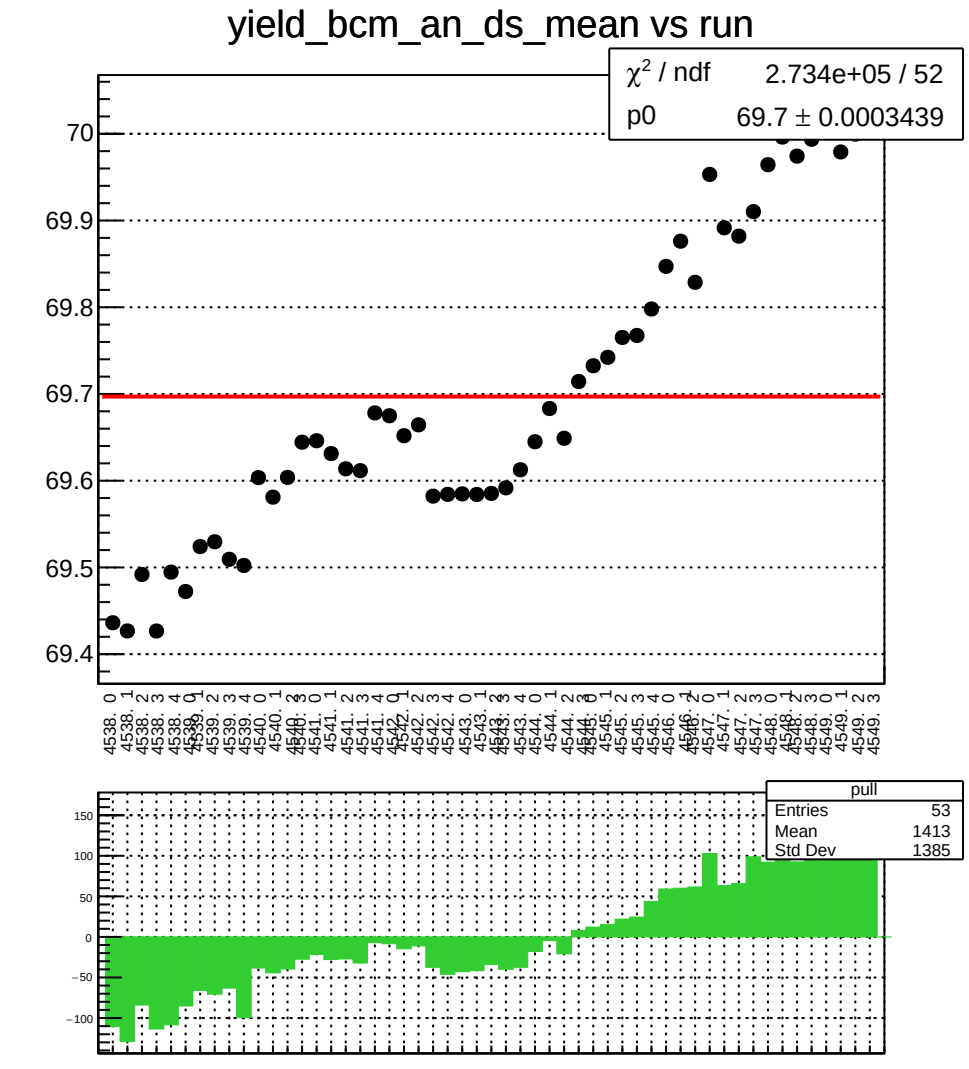
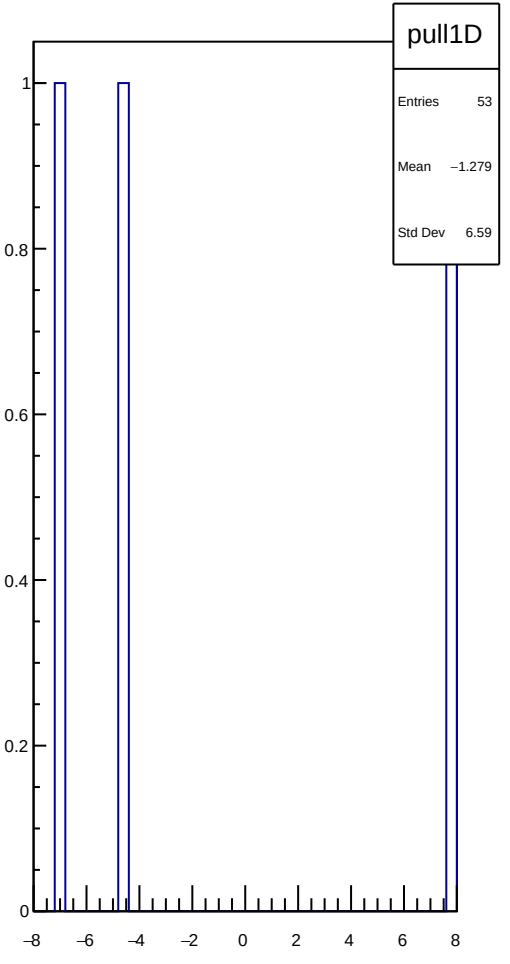
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

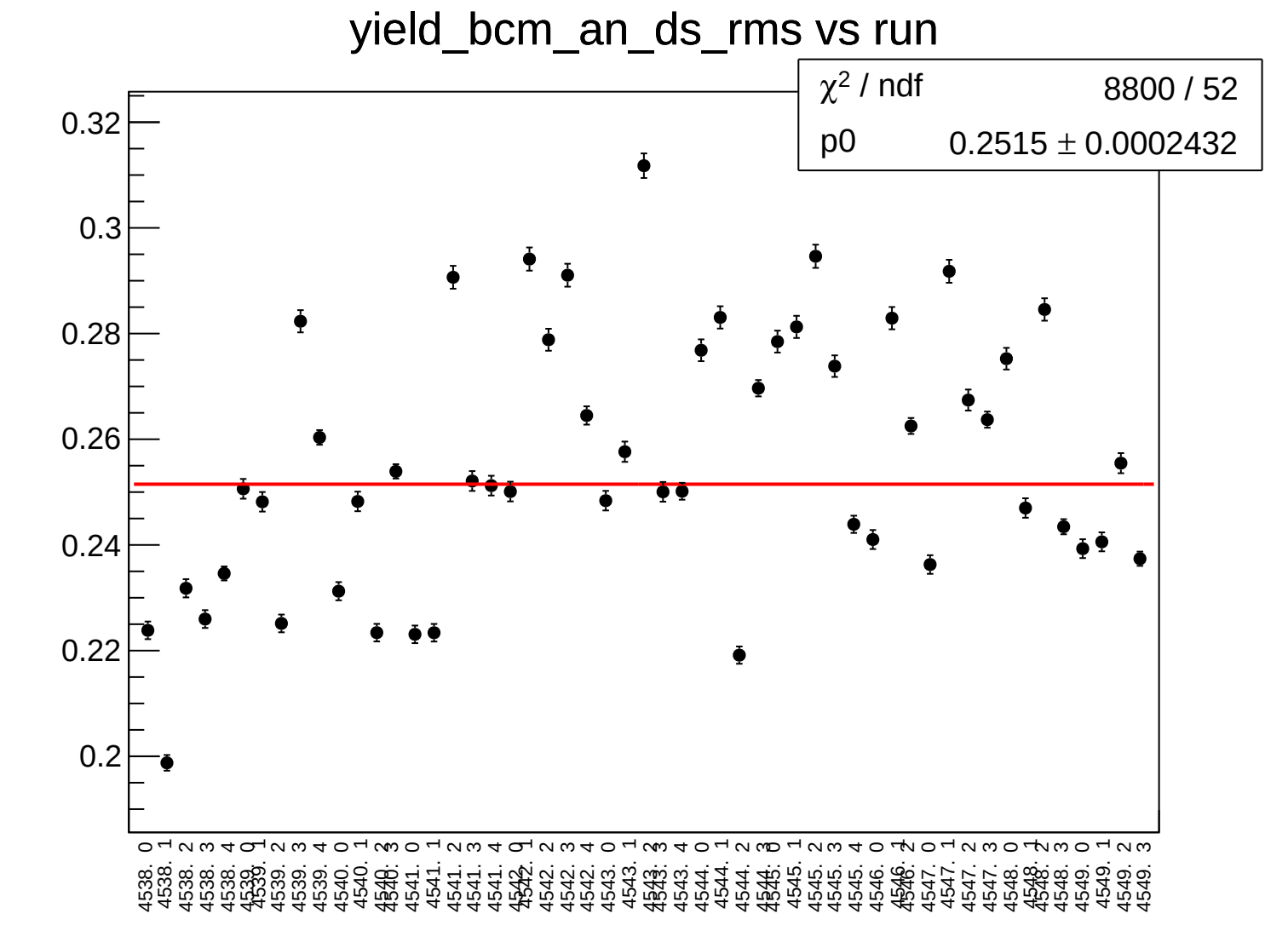

yield_dsr_mean vs run
χ² / ndf 1.962e+05 / 52
p0 56.68 ± 0.0002015
56.8
56.7
56.6
56.5
56.4
pull
Entries 53
Mean 156.8
Std Dev 129.7
150
100
50
0
−50
−100

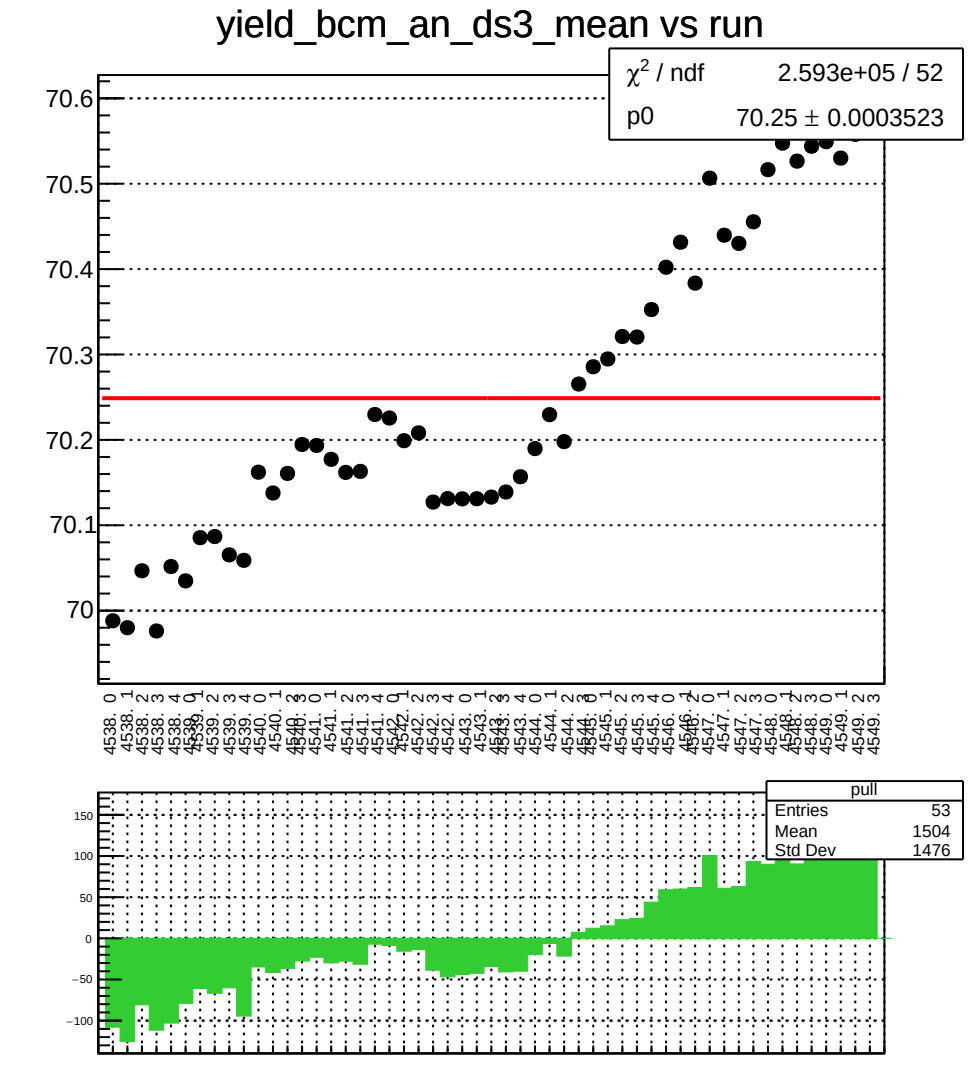

pull1D
Entries 53
Mean 3.287
Std Dev 2.964
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

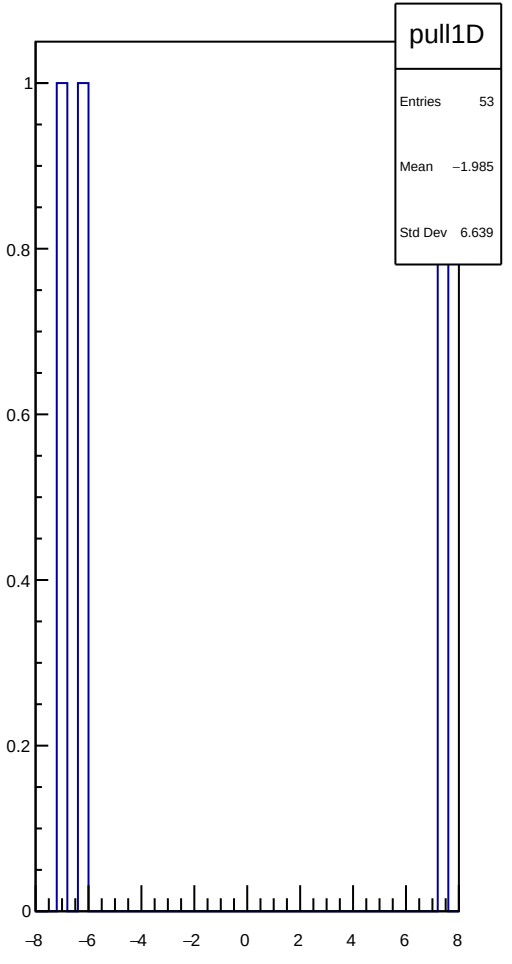

yield_dsr_rms vs run
χ2 / ndf 6.466e+04 / 52
p0 0.1434 ± 0.0001425
0.3
0.25
0.2
0.15
0.1
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

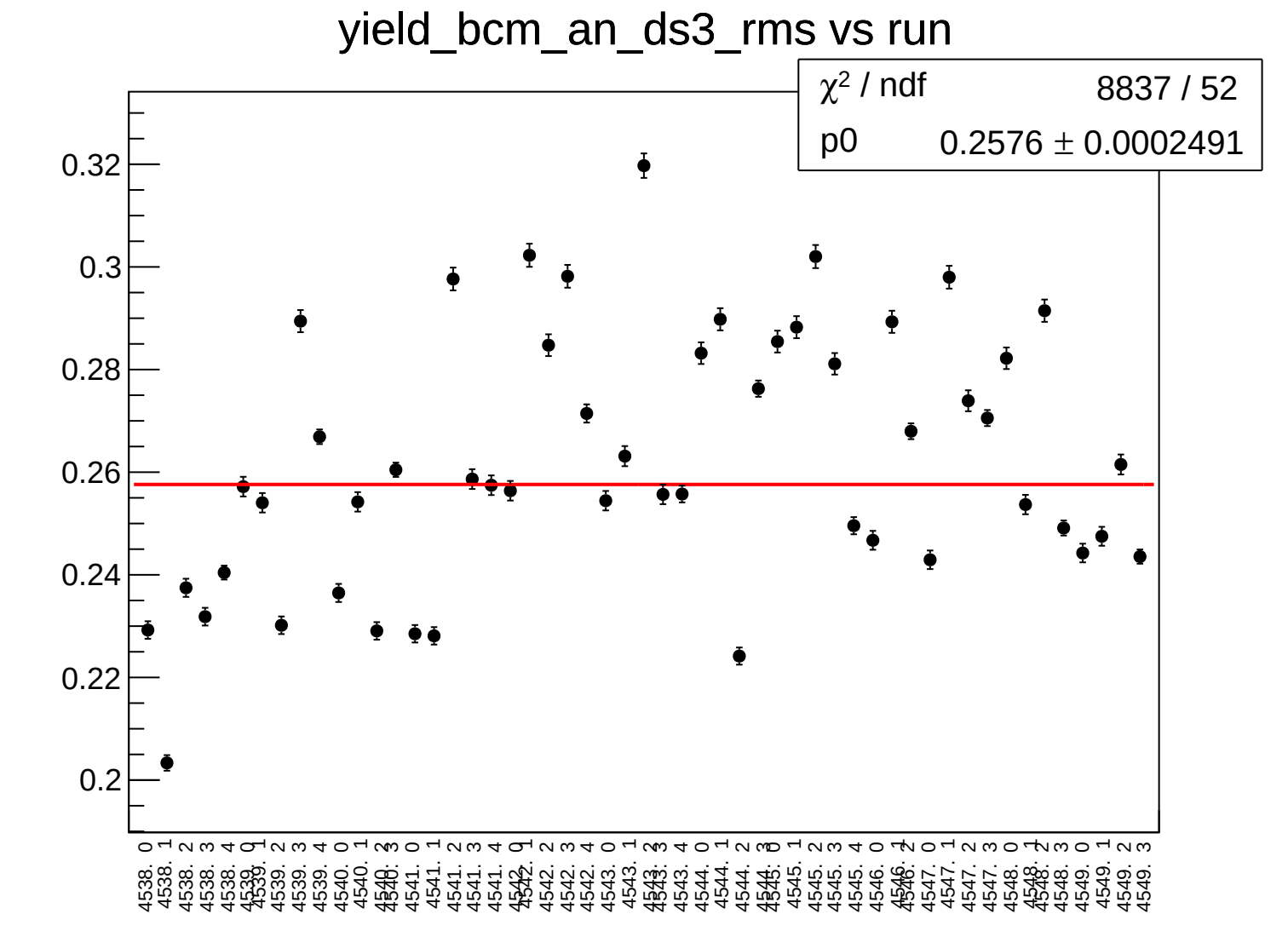

yield_bcm_an_ds_mean vs run
χ² / ndf 2.734e+05 / 52
p0 69.7 ± 0.0003439
70
69.9
69.8
69.7
69.6
69.5
69.4
pull
Entries 53
Mean 1413
Std Dev 1385
150
100
50
0
−50
−100

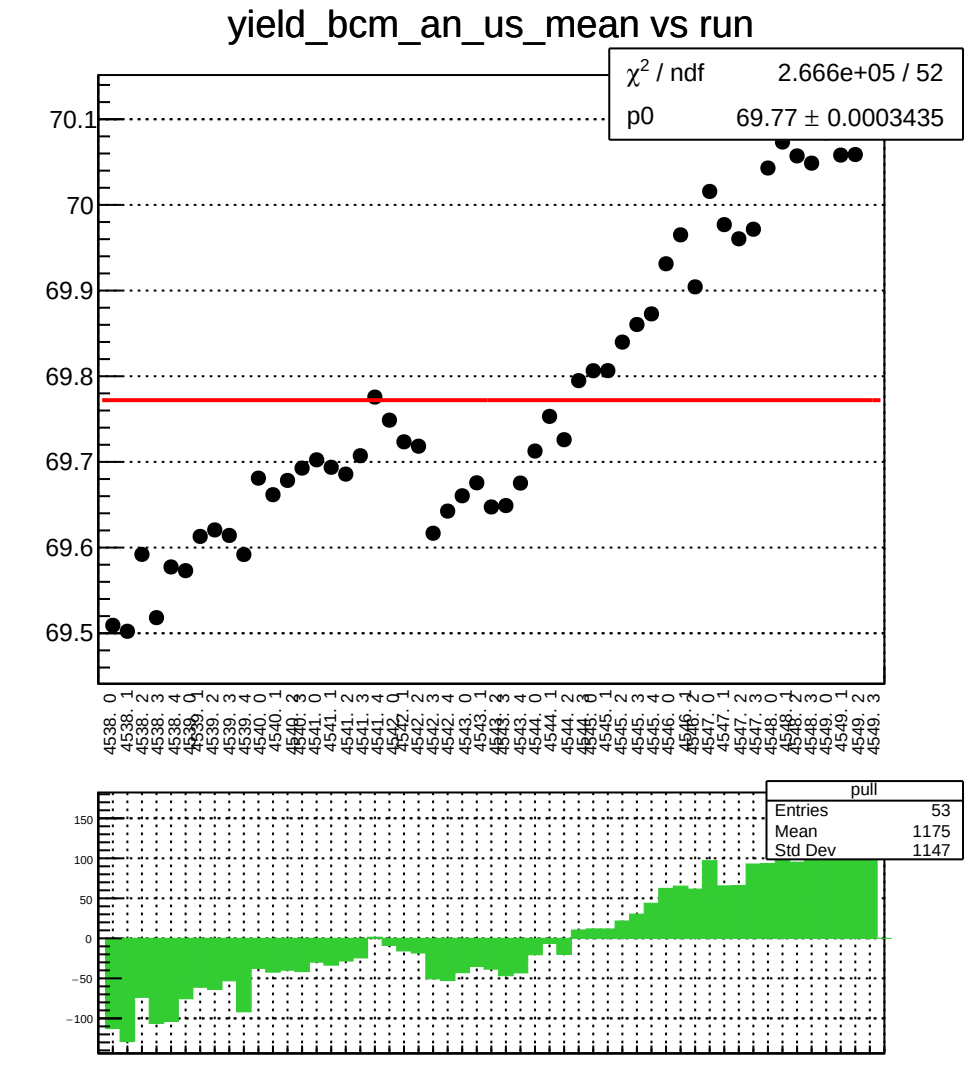

pull1D
Entries 53
Mean −1.279
Std Dev 6.59
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

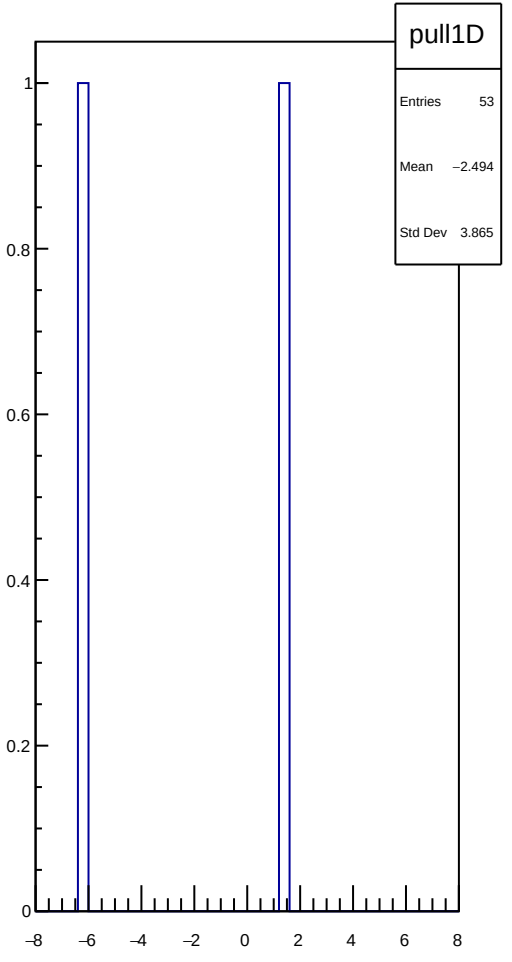

yield_bcm_an_ds_rms vs run
χ2 / ndf 8800 / 52
p0 0.2515 ± 0.0002432
0.32
0.3
0.28
0.26
0.24
0.22
0.2
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

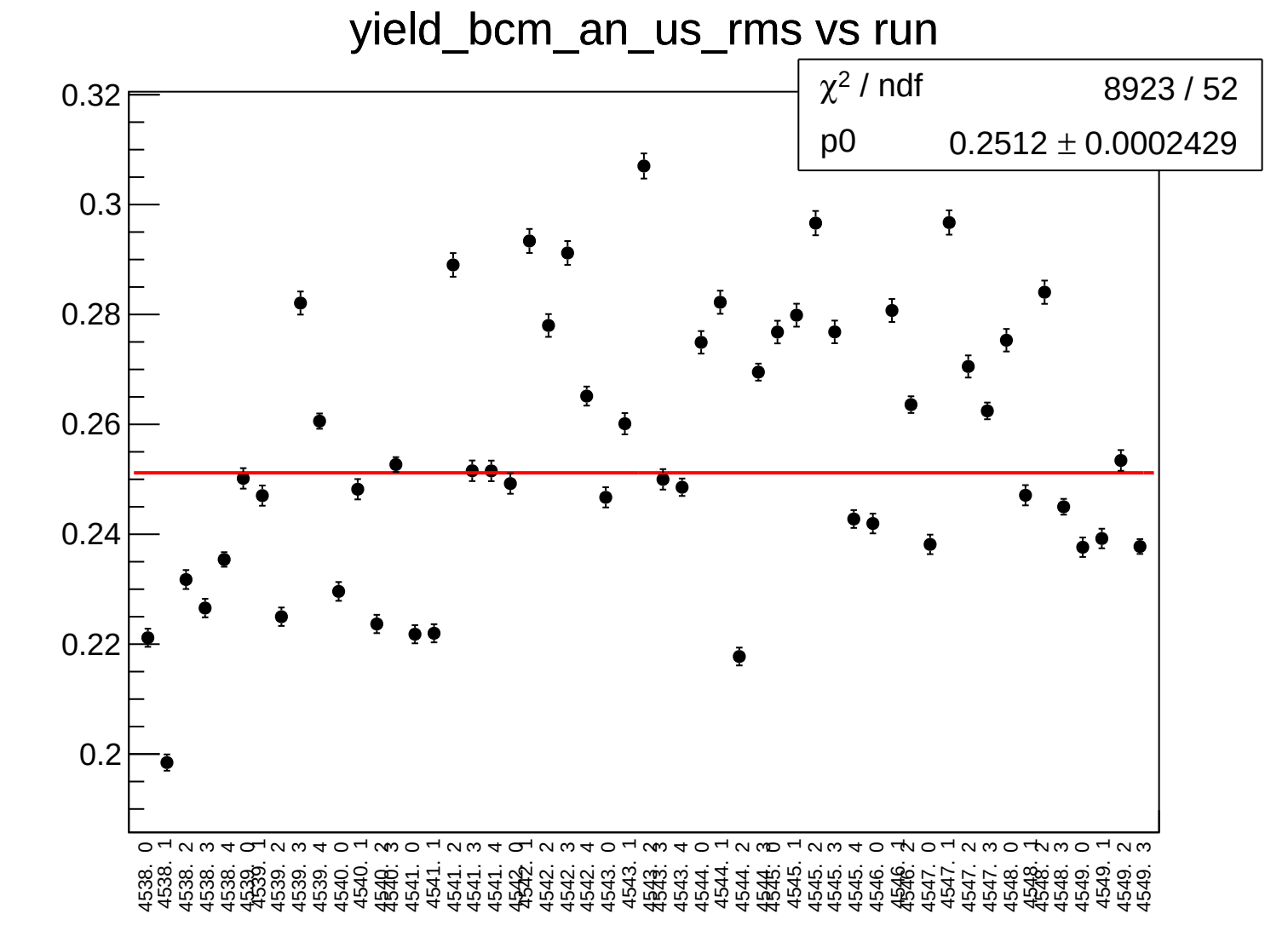

yield_bcm_an_ds3_mean vs run
χ² / ndf 2.593e+05 / 52
p0 70.25 ± 0.0003523
70.6
70.5
70.4
70.3
70.2
70.1
70
pull
Entries 53
Mean 1504
Std Dev 1476
150
100
50
0
−50
−100

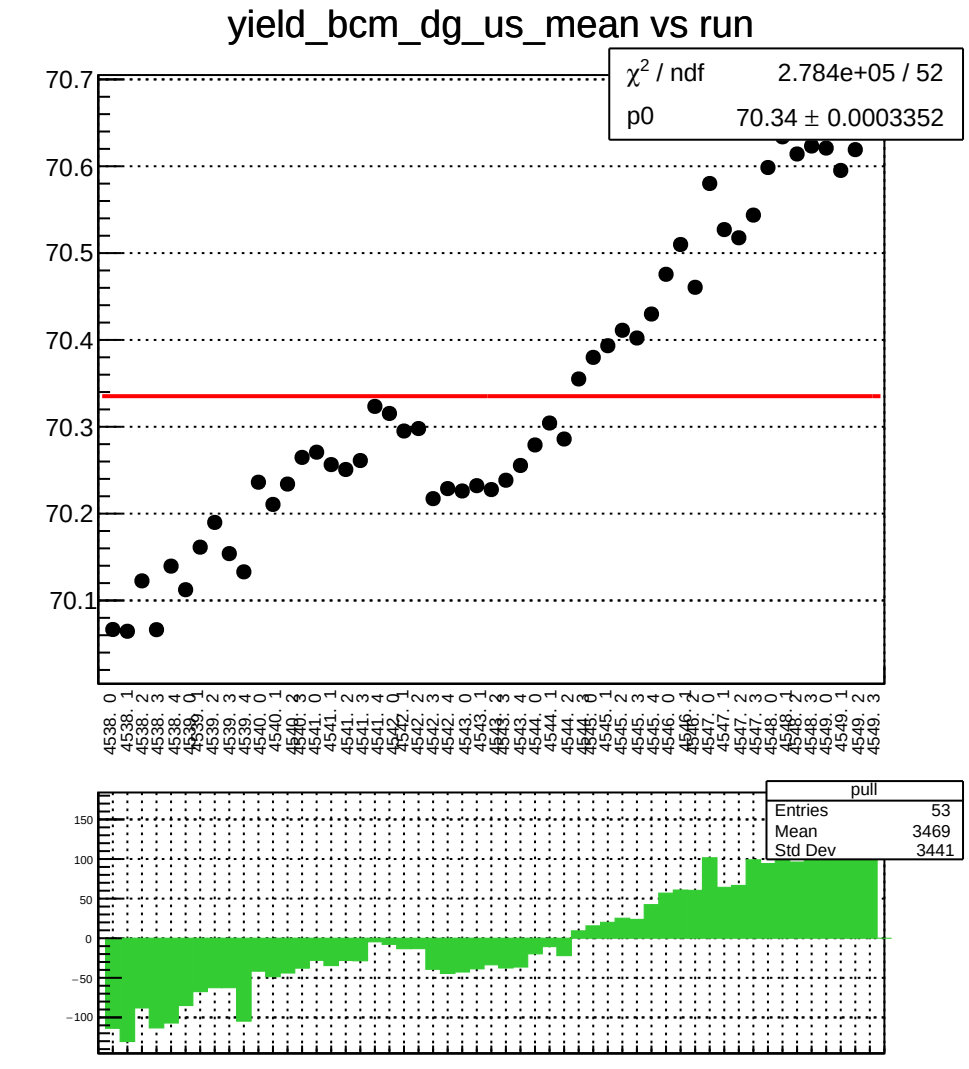

pull1D
Entries 53
Mean −1.985
Std Dev 6.639
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

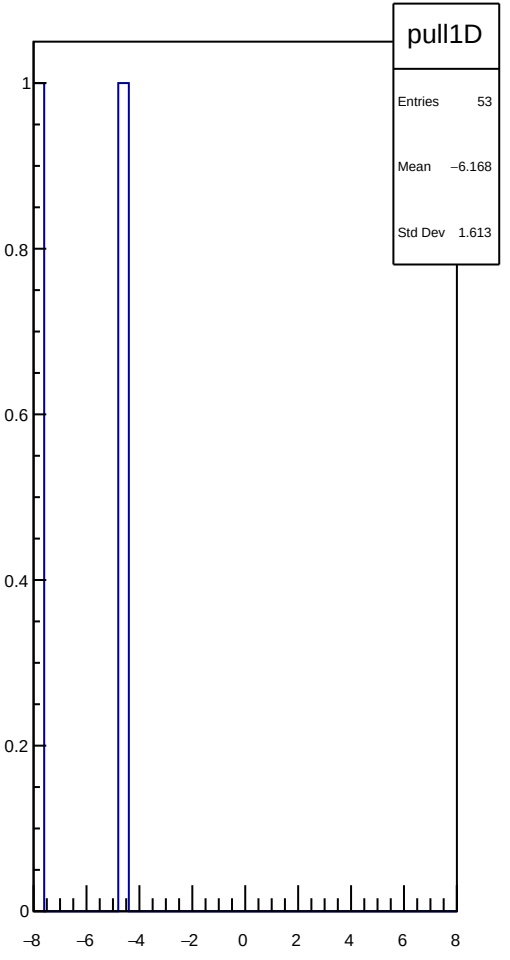

yield_bcm_an_ds3_rms vs run
χ² / ndf 8837 / 52
p0 0.2576 ± 0.0002491
0.32
0.3
0.28
0.26
0.24
0.22
0.2
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

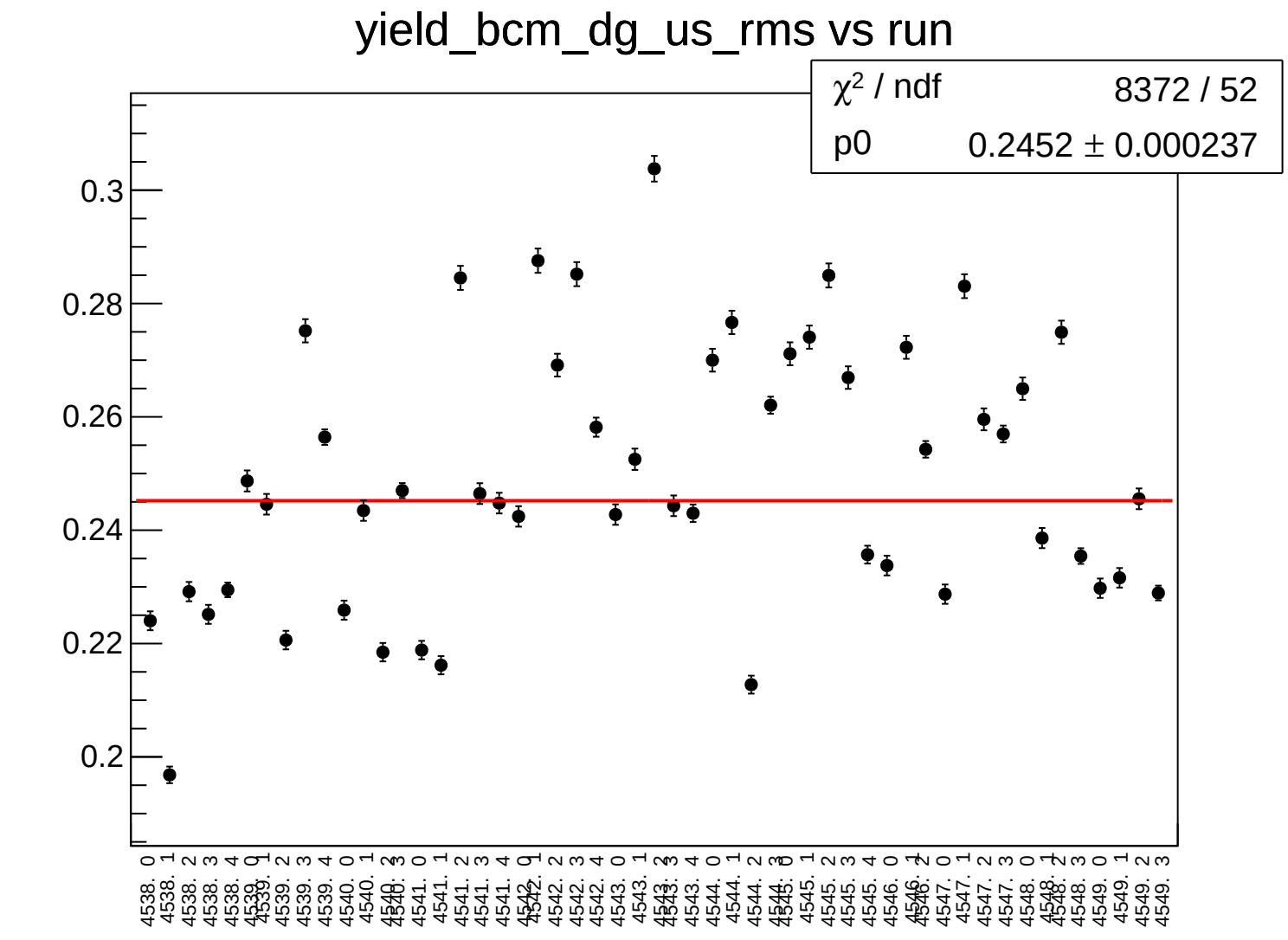

yield_bcm_an_us_mean vs run
χ² / ndf 2.666e+05 / 52
p0 69.77 ± 0.0003435
70.1
70
69.9
69.8
69.7
69.6
69.5
pull
Entries 53
Mean 1175
Std Dev 1147
150
100
50
0
−50
−100

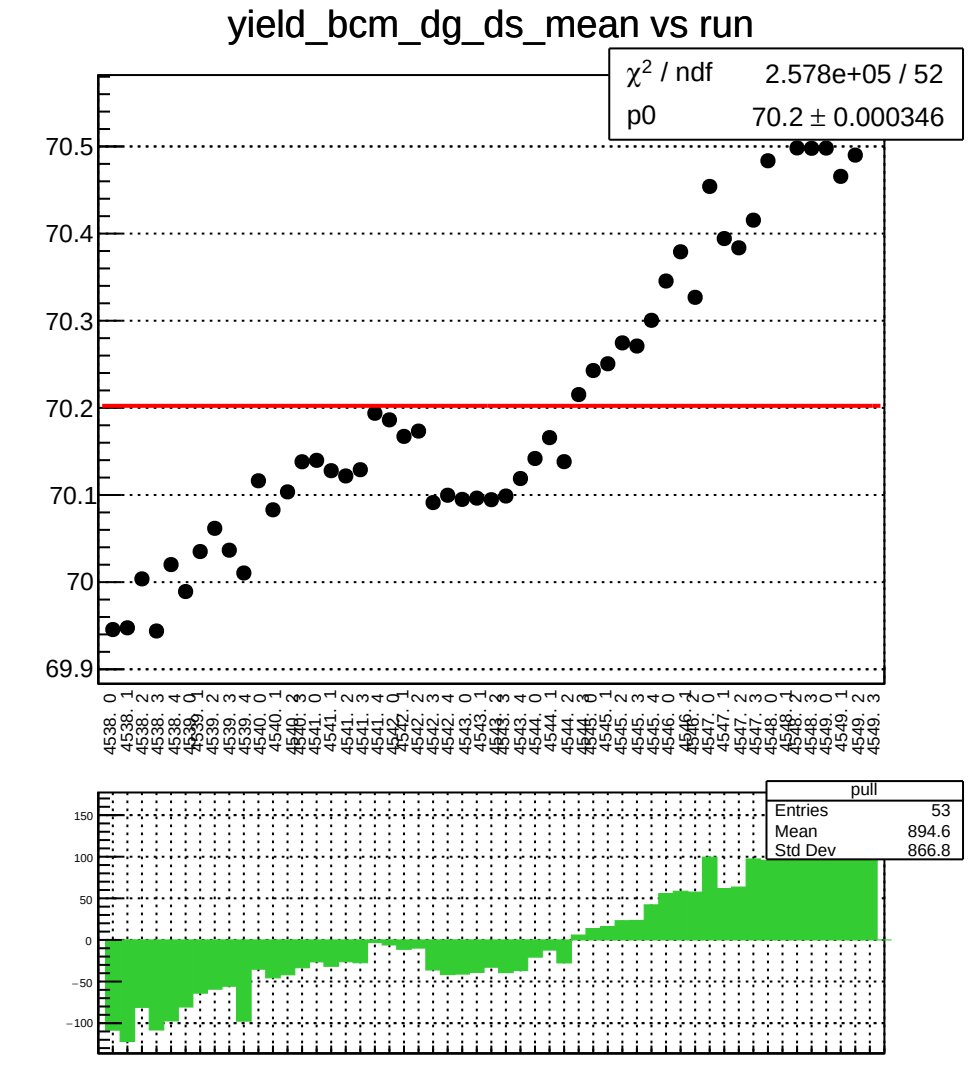

pull1D
Entries 53
Mean −2.494
Std Dev 3.865
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

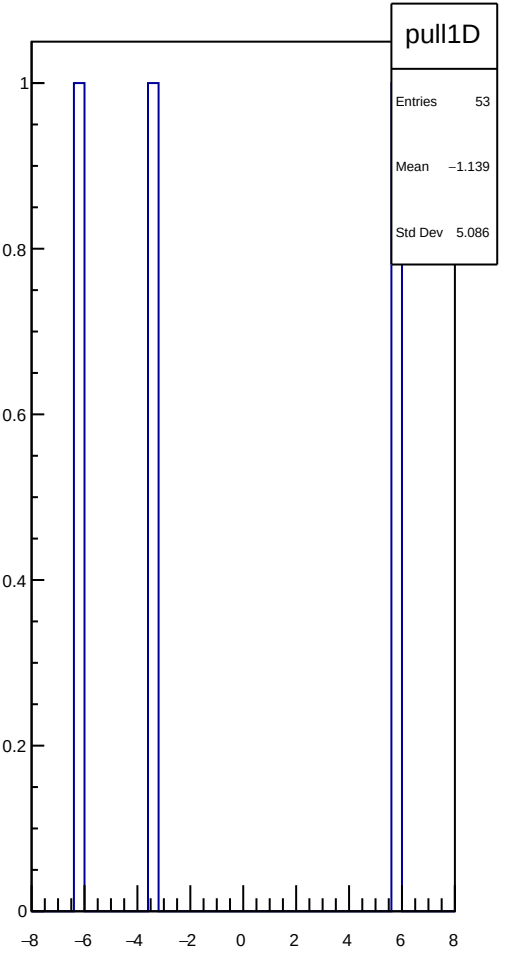

yield_bcm_an_us_rms vs run
χ2 / ndf 8923 / 52
p0 0.2512 ± 0.0002429
0.32
0.3
0.28
0.26
0.24
0.22
0.2
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

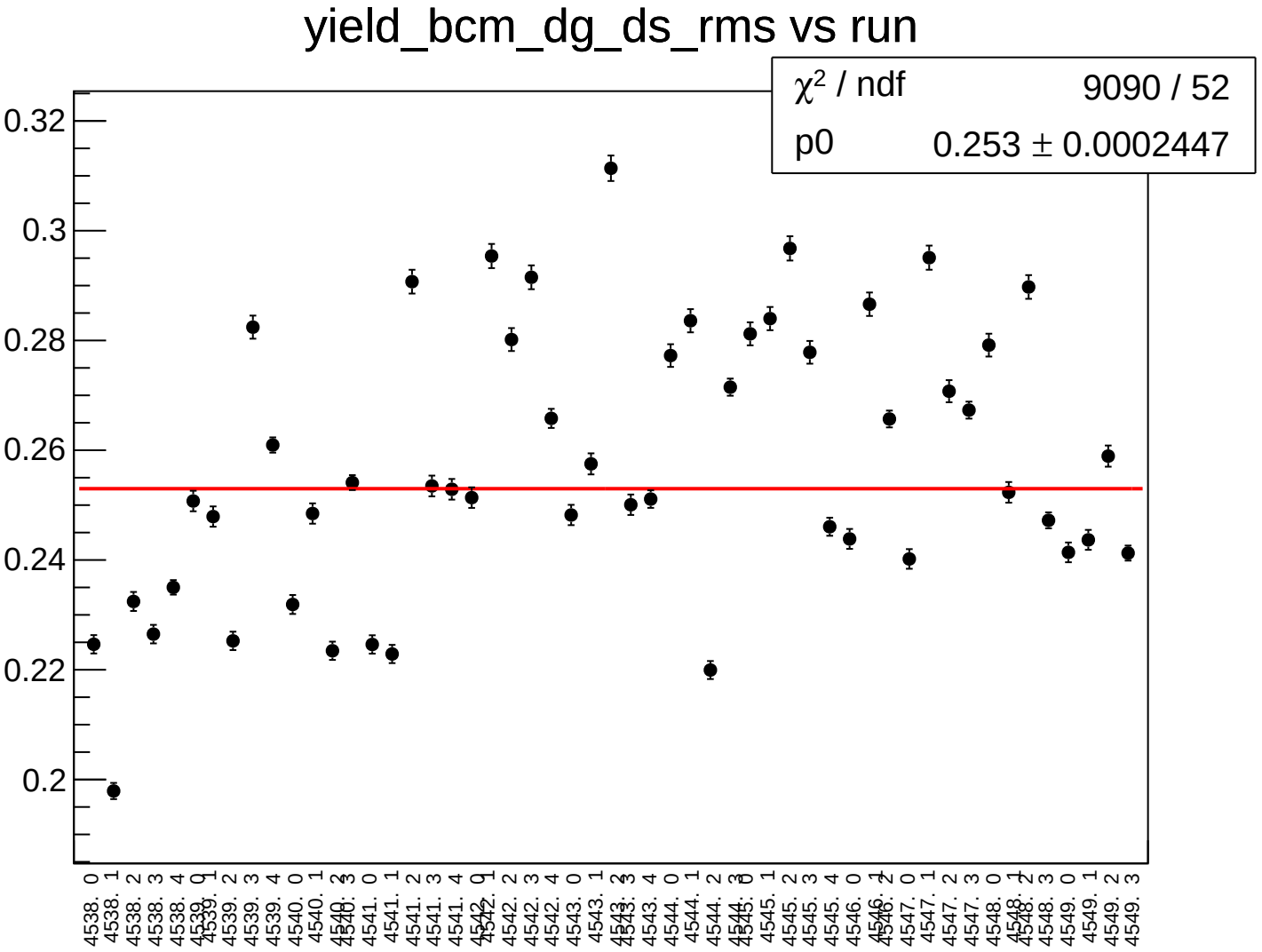

yield_bcm_dg_us_mean vs run
χ² / ndf 2.784e+05 / 52
p0 70.34 ± 0.0003352
70.7
70.6
70.5
70.4
70.3
70.2
70.1
pull
Entries 53
Mean 3469
Std Dev 3441
150
100
50
0
−50
−100

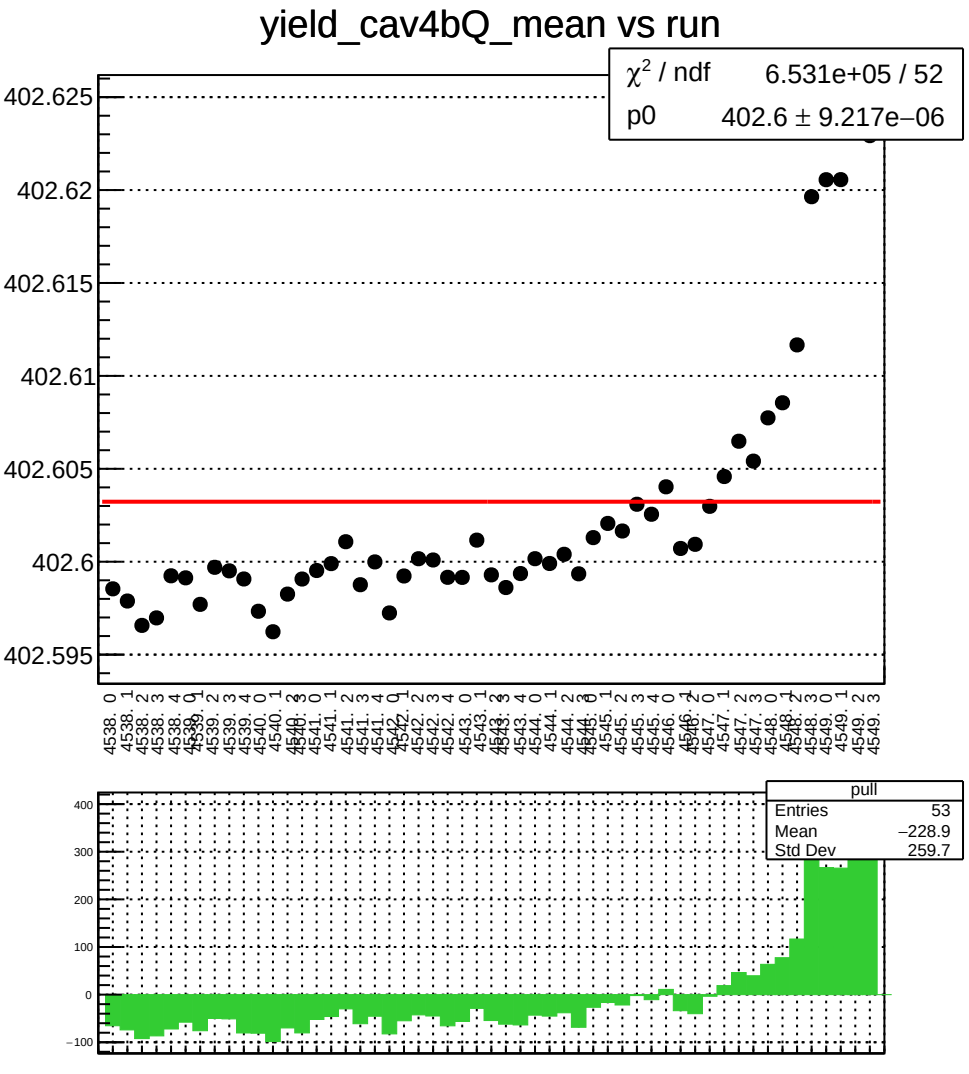

pull1D
Entries 53
Mean −6.168
Std Dev 1.613
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

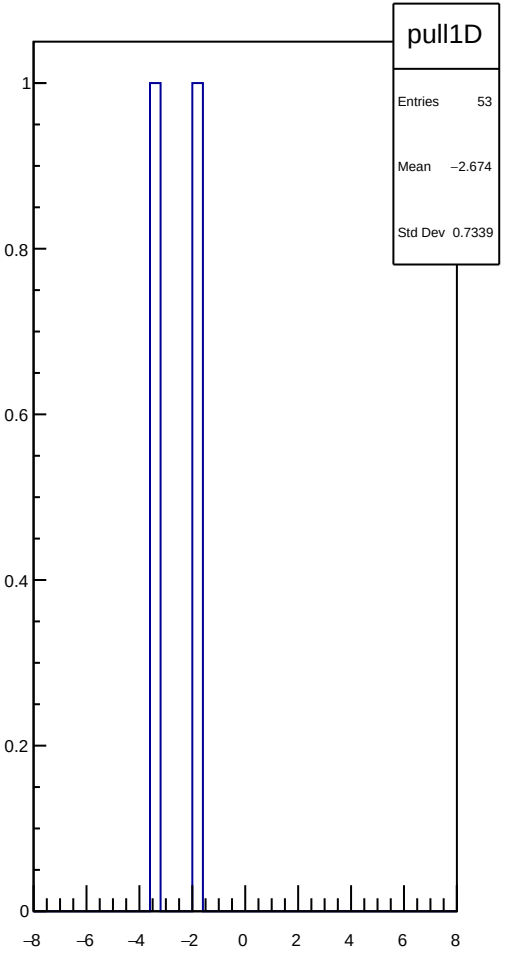

yield_bcm_dg_us_rms vs run
χ² / ndf 8372 / 52
p0 0.2452 ± 0.000237
0.3
0.28
0.26
0.24
0.22
0.2
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

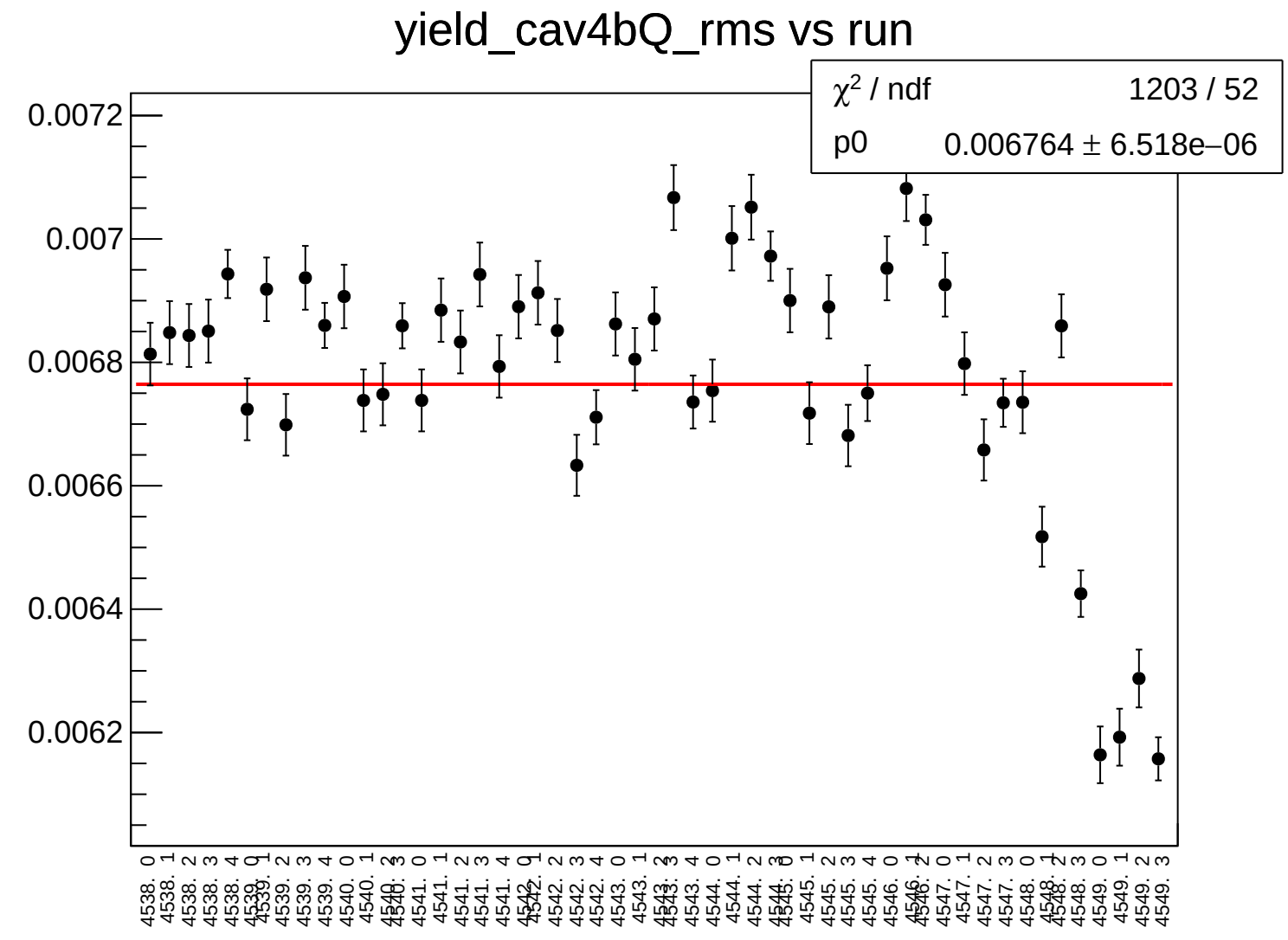

yield_bcm_dg_ds_mean vs run
χ² / ndf 2.578e+05 / 52
p0 70.2 ± 0.000346
70.5
70.4
70.3
70.2
70.1
70
69.9
pull
Entries 53
Mean 894.6
Std Dev 866.8
150
100
50
0
−50
−100


pull1D
Entries 53
Mean −1.139
Std Dev 5.086
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 9090 / 52
p0 0.253 ± 0.0002447
0.32
0.3
0.28
0.26
0.24
0.22
0.2
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


yield_cav4bQ_mean vs run
χ² / ndf 6.531e+05 / 52
p0 402.6 ± 9.217e−06
402.625
402.62
402.615
402.61
402.605
402.6
402.595
pull
Entries 53
Mean −228.9
Std Dev 259.7
400
300
200
100
0
−100


pull1D
Entries 53
Mean −2.674
Std Dev 0.7339
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_cav4bQ_rms vs run
χ² / ndf 1203 / 52
p0 0.006764 ± 6.518e−06
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
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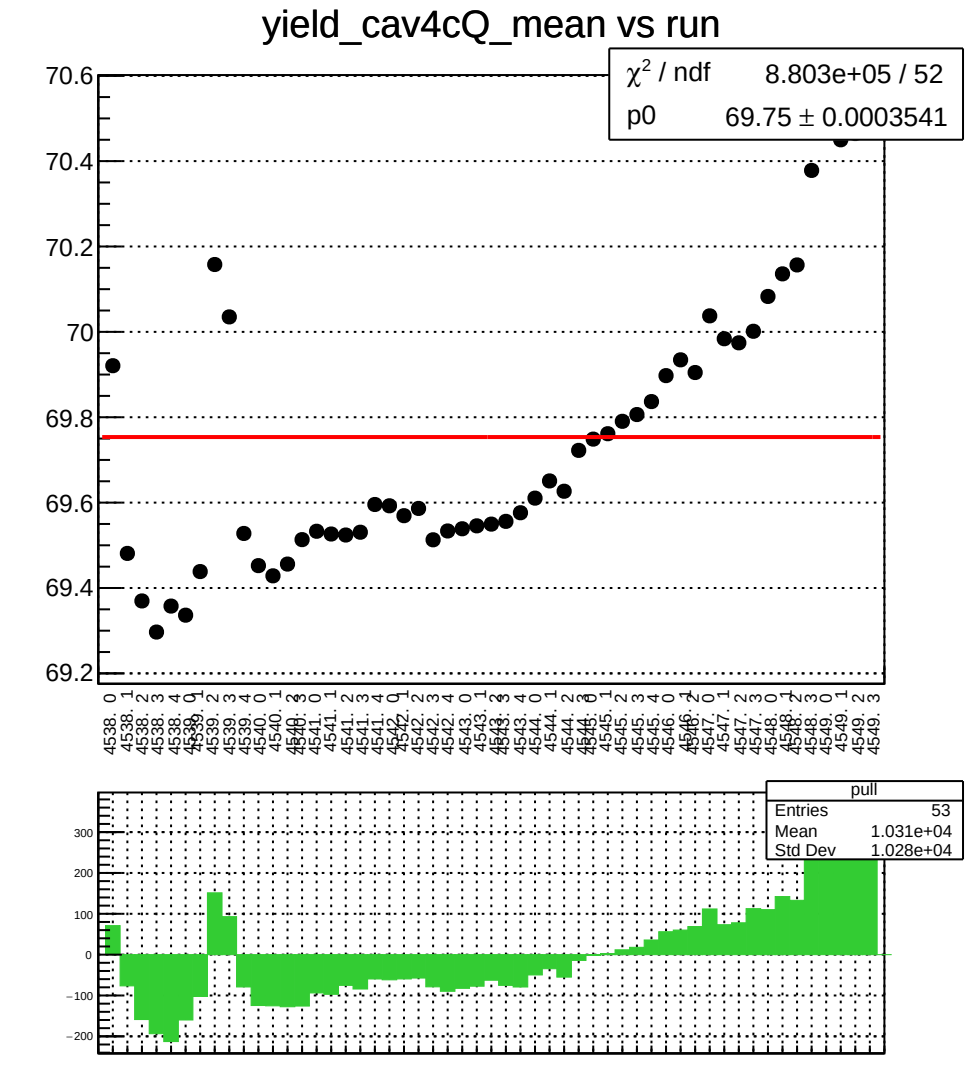
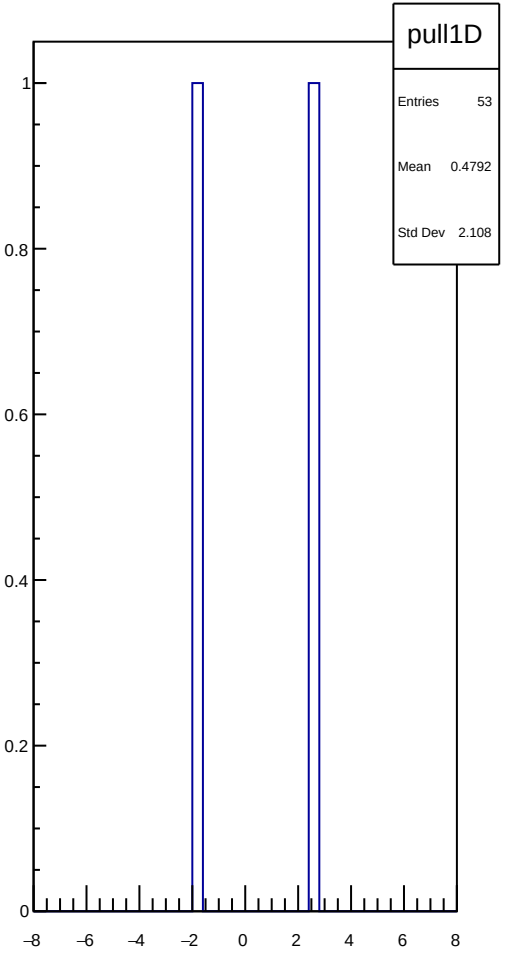
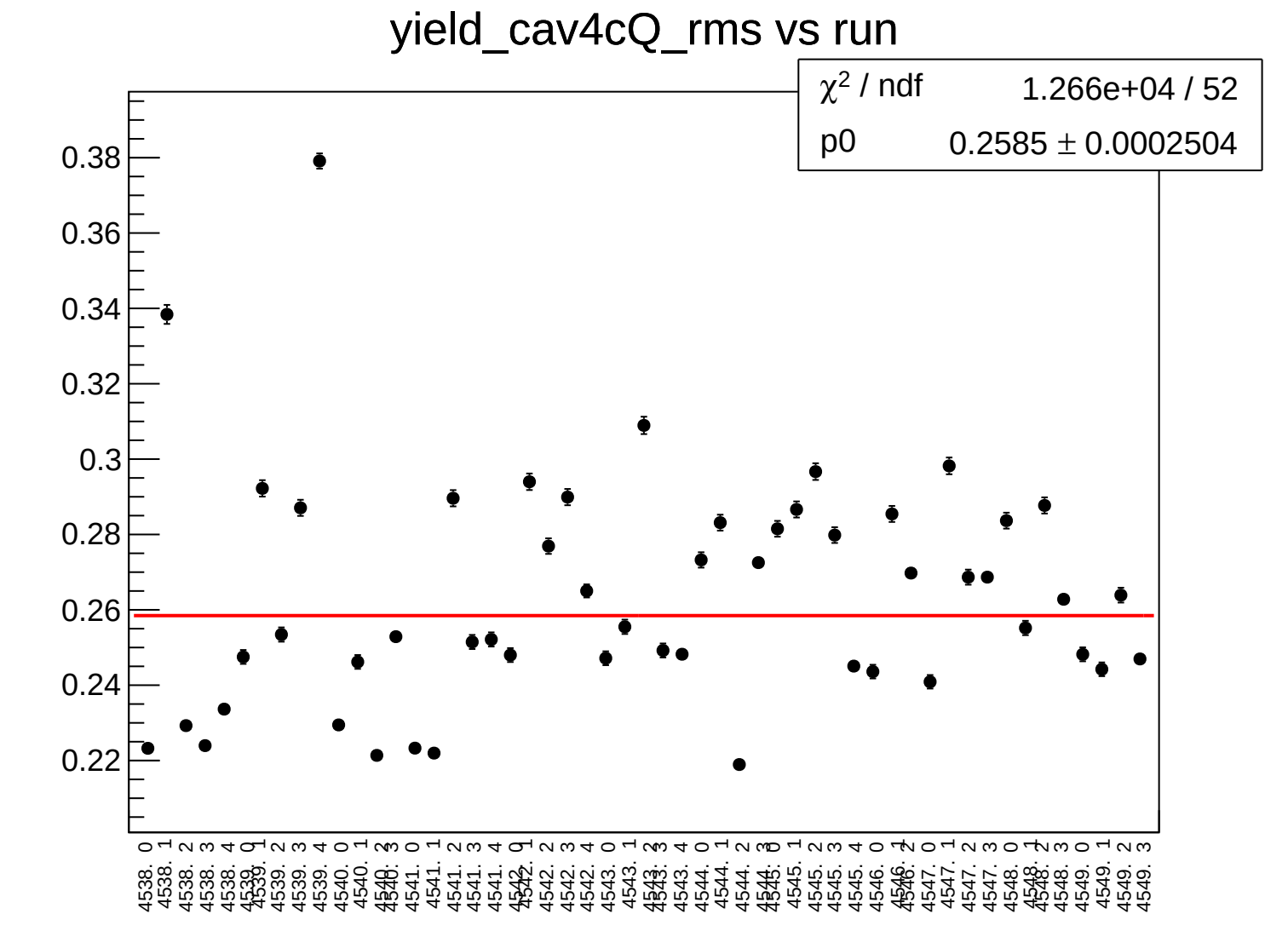
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


yield_cav4cQ_mean vs run
χ² / ndf 8.803e+05 / 52
p0 69.75 ± 0.0003541
70.6
70.4
70.2
70
69.8
69.6
69.4
69.2
pull
Entries 53
Mean 1.031e+04
Std Dev 1.028e+04
300
200
100
0
−100
−200


pull1D
Entries 53
Mean 0.4792
Std Dev 2.108
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_cav4cQ_rms vs run
χ² / ndf 1.266e+04 / 52
p0 0.2585 ± 0.0002504
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
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4541. 1
4541. 2
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4542. 1
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4544. 1
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4545. 1
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4546. 2
4547. 0
4547. 1
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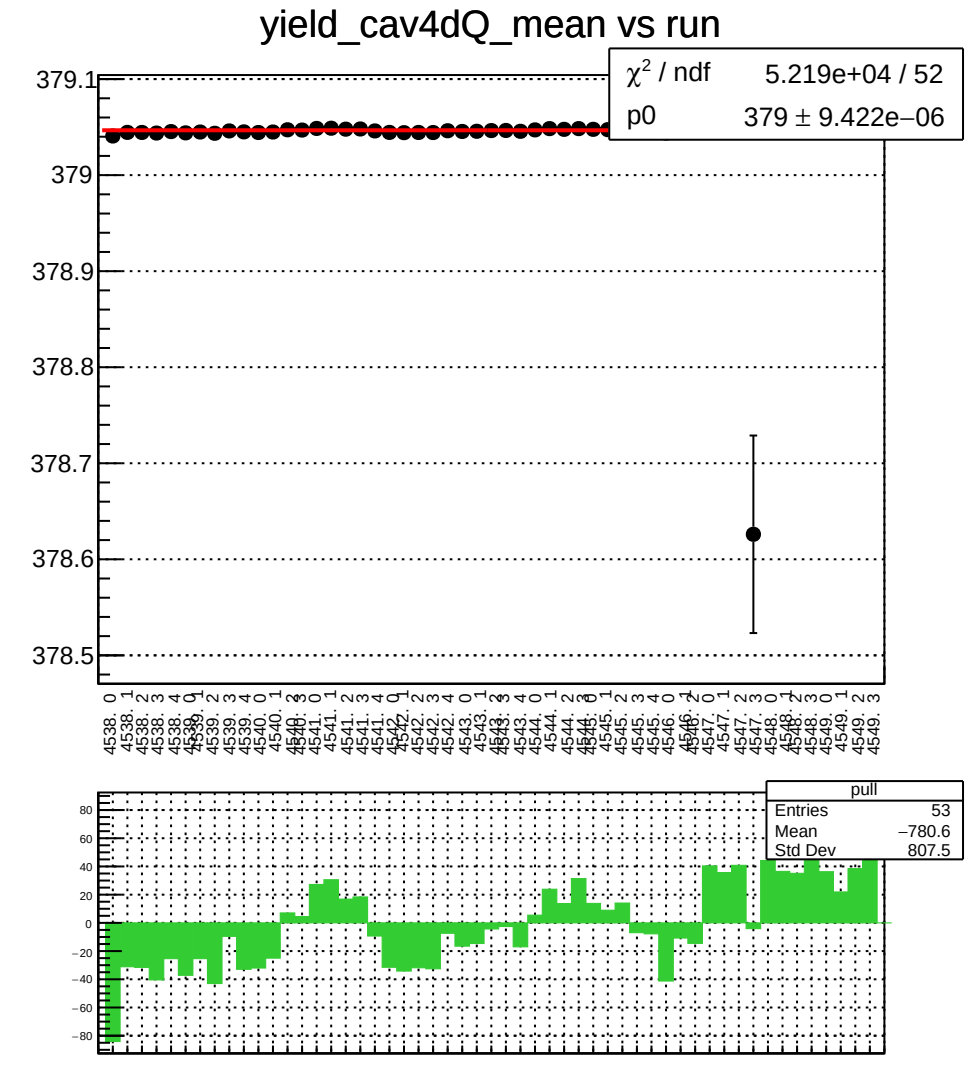
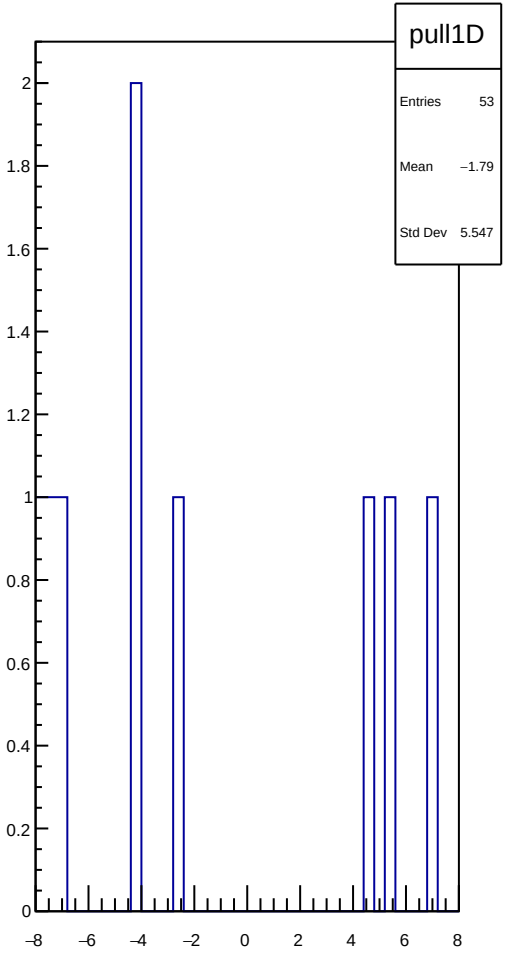
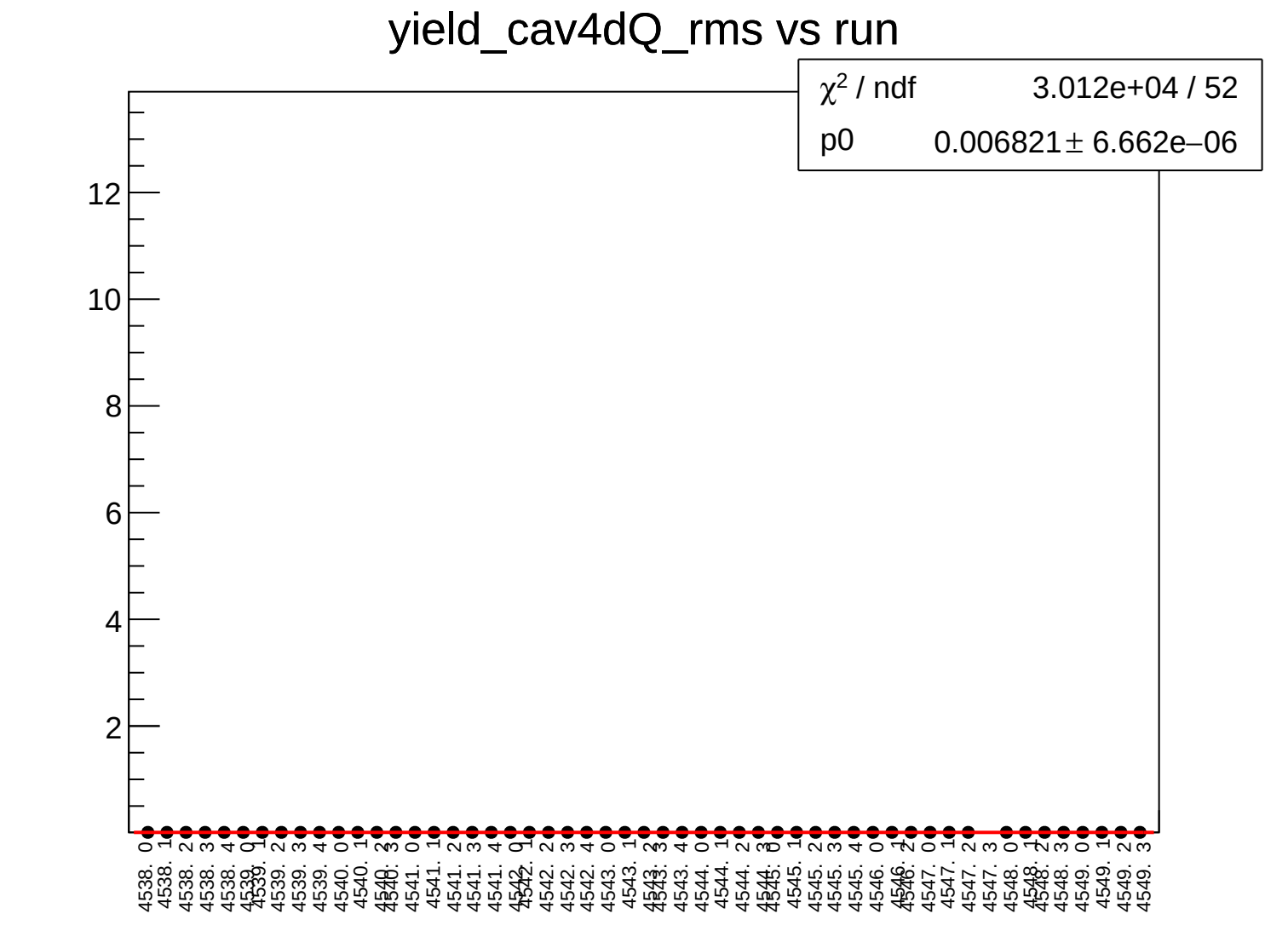
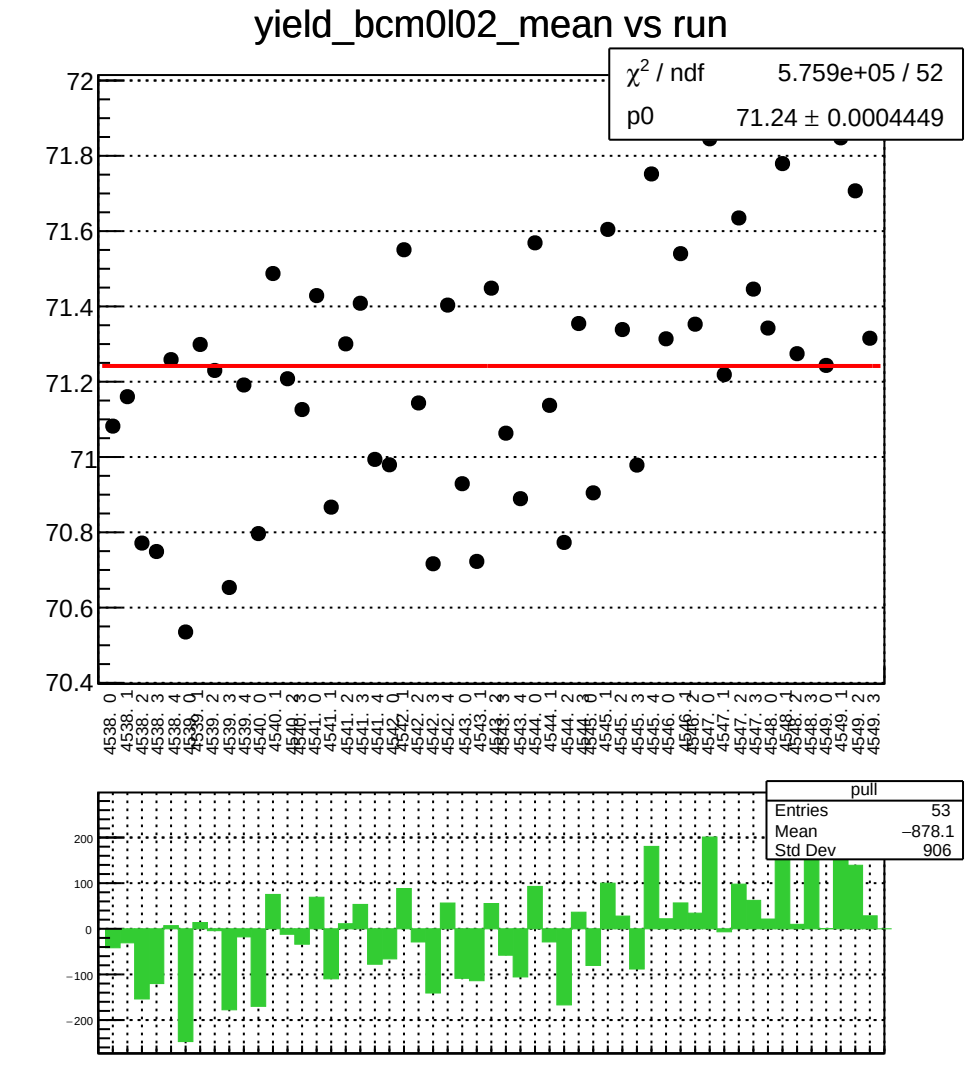
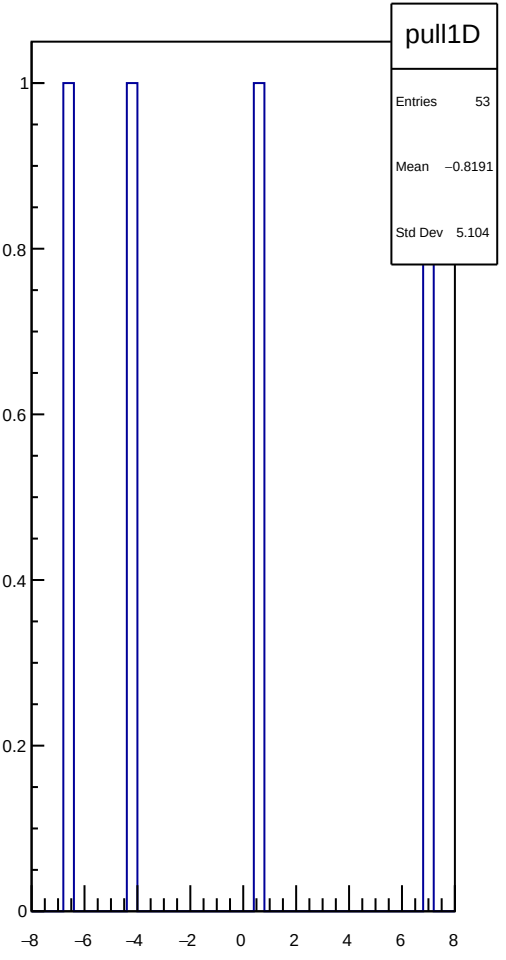
4549. 2
4549. 3

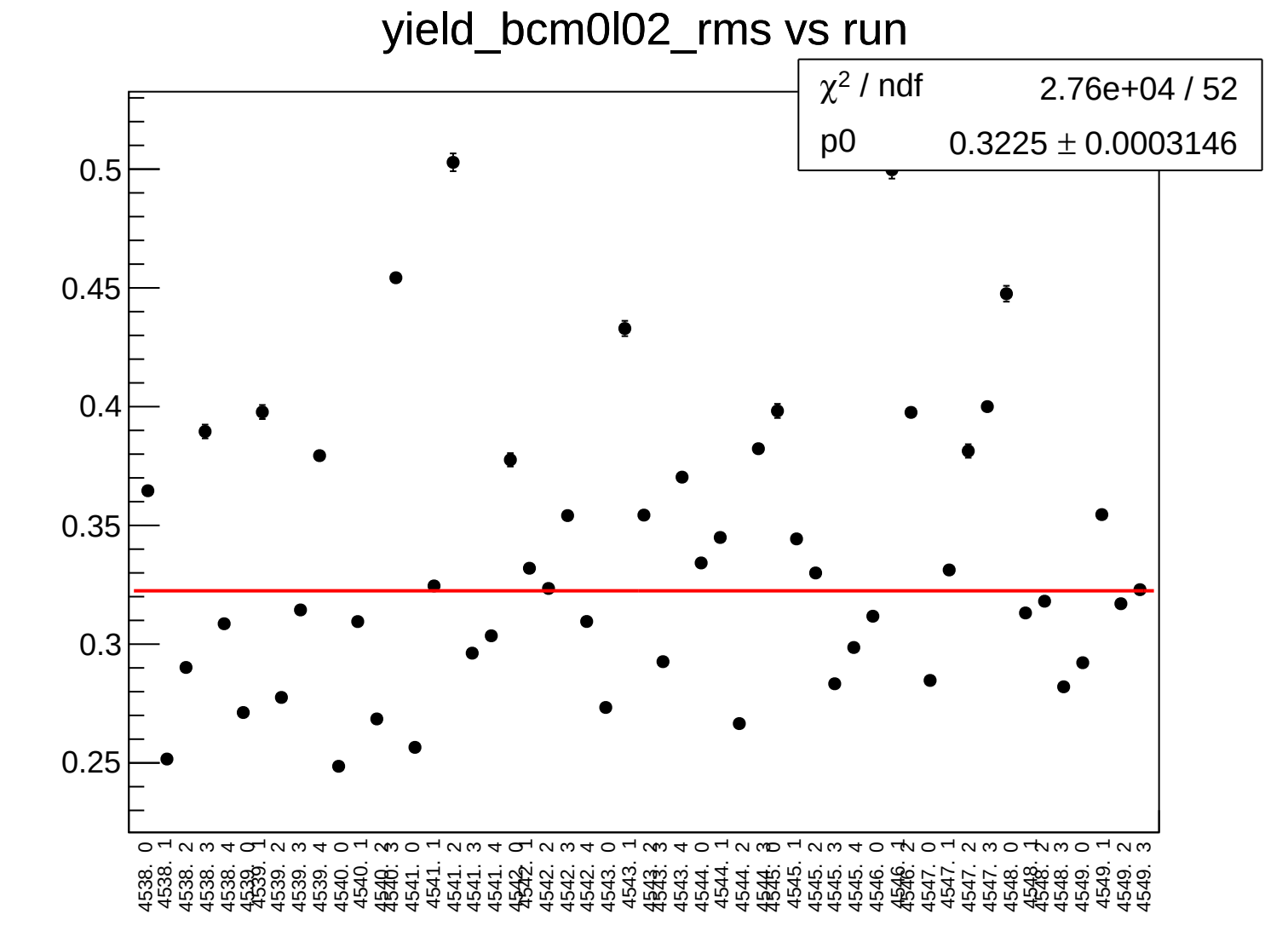

yield_cav4dQ_mean vs run
χ² / ndf 5.219e+04 / 52
p0 379 ± 9.422e−06
379.1
379
378.9
378.8
378.7
378.6
378.5
pull
Entries 53
Mean −780.6
Std Dev 807.5
80
60
40
20
0
−20
−40
−60
−80

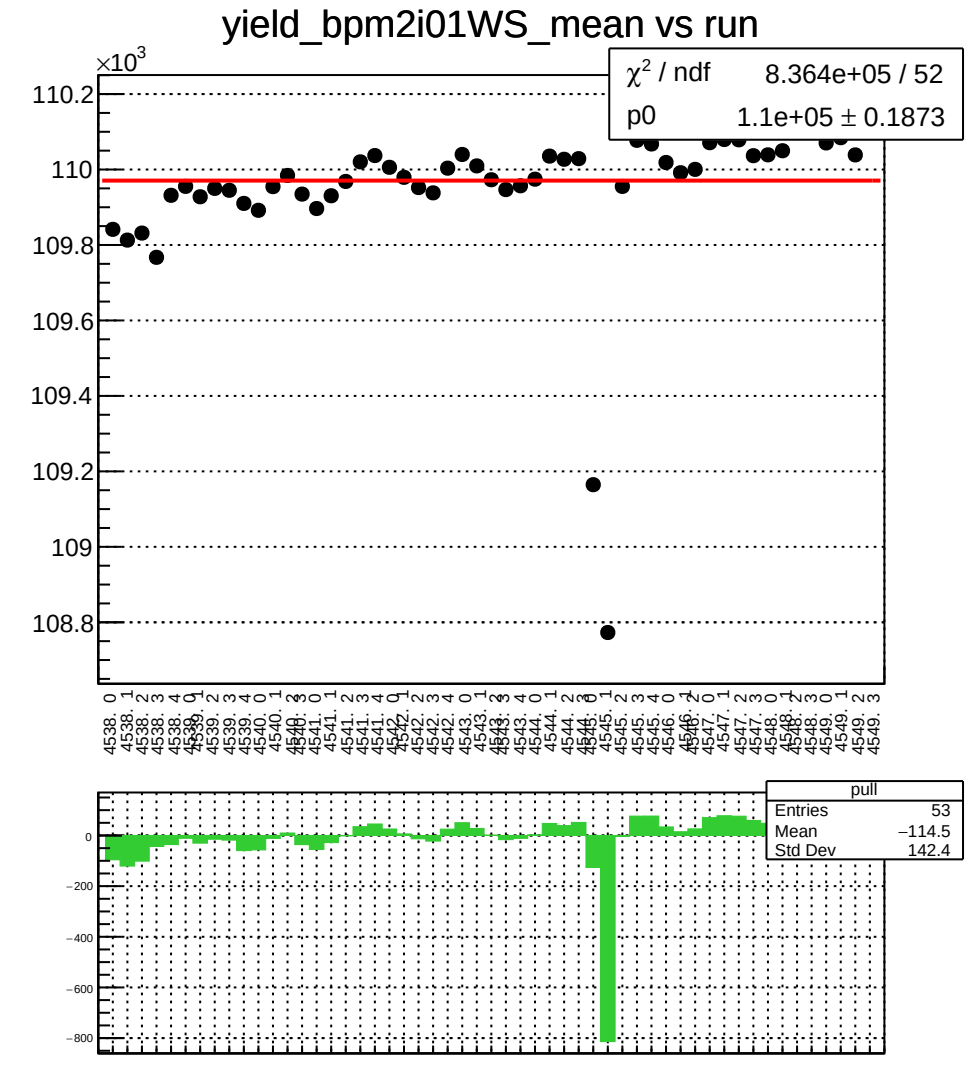

pull1D
Entries 53
Mean −1.79
Std Dev 5.547
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

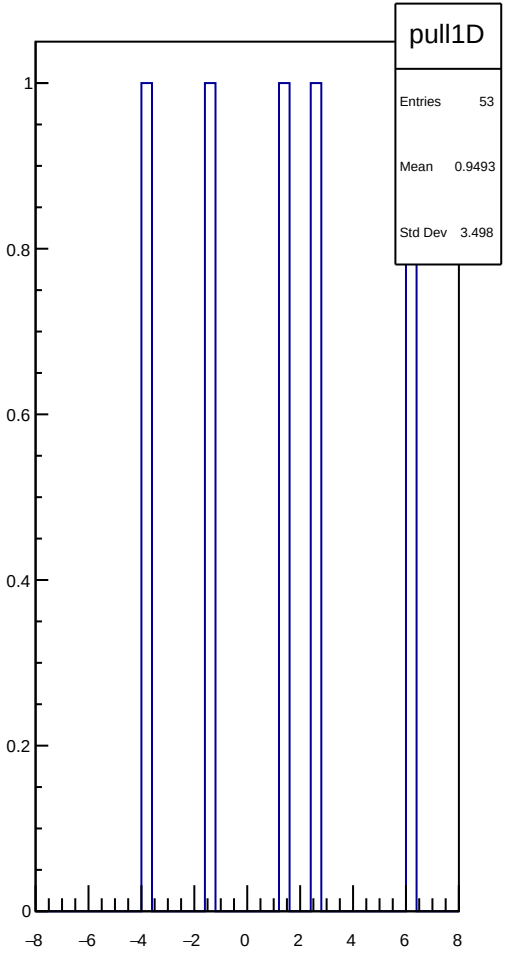

yield_cav4dQ_rms vs run
χ² / ndf 3.012e+04 / 52
p0 0.006821 ± 6.662e−06
12
10
8
6
4
2
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

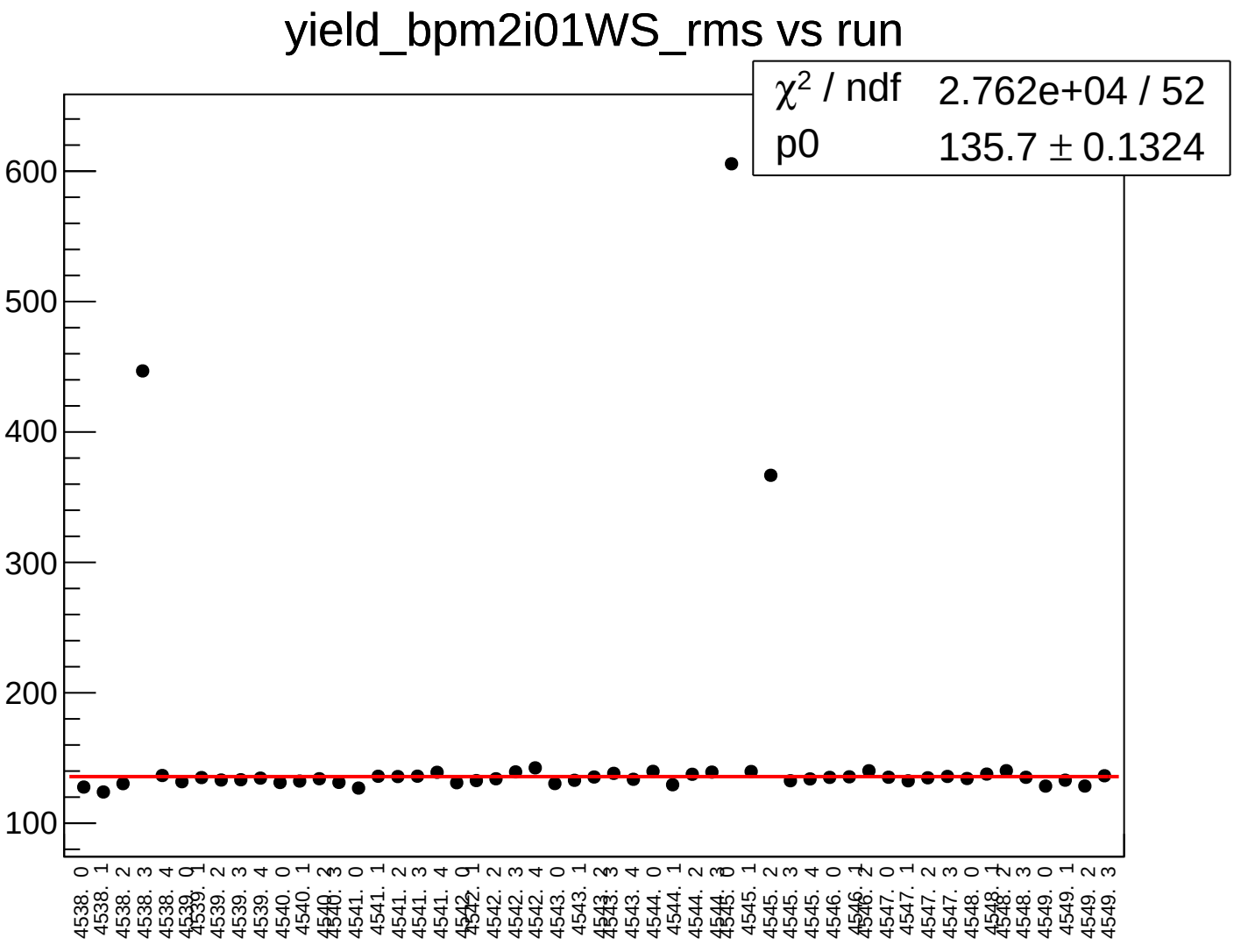

yield_bcm0l02_mean vs run
χ² / ndf 5.759e+05 / 52
p0 71.24 ± 0.0004449
pull
Entries 53
Mean −878.1
Std Dev 906

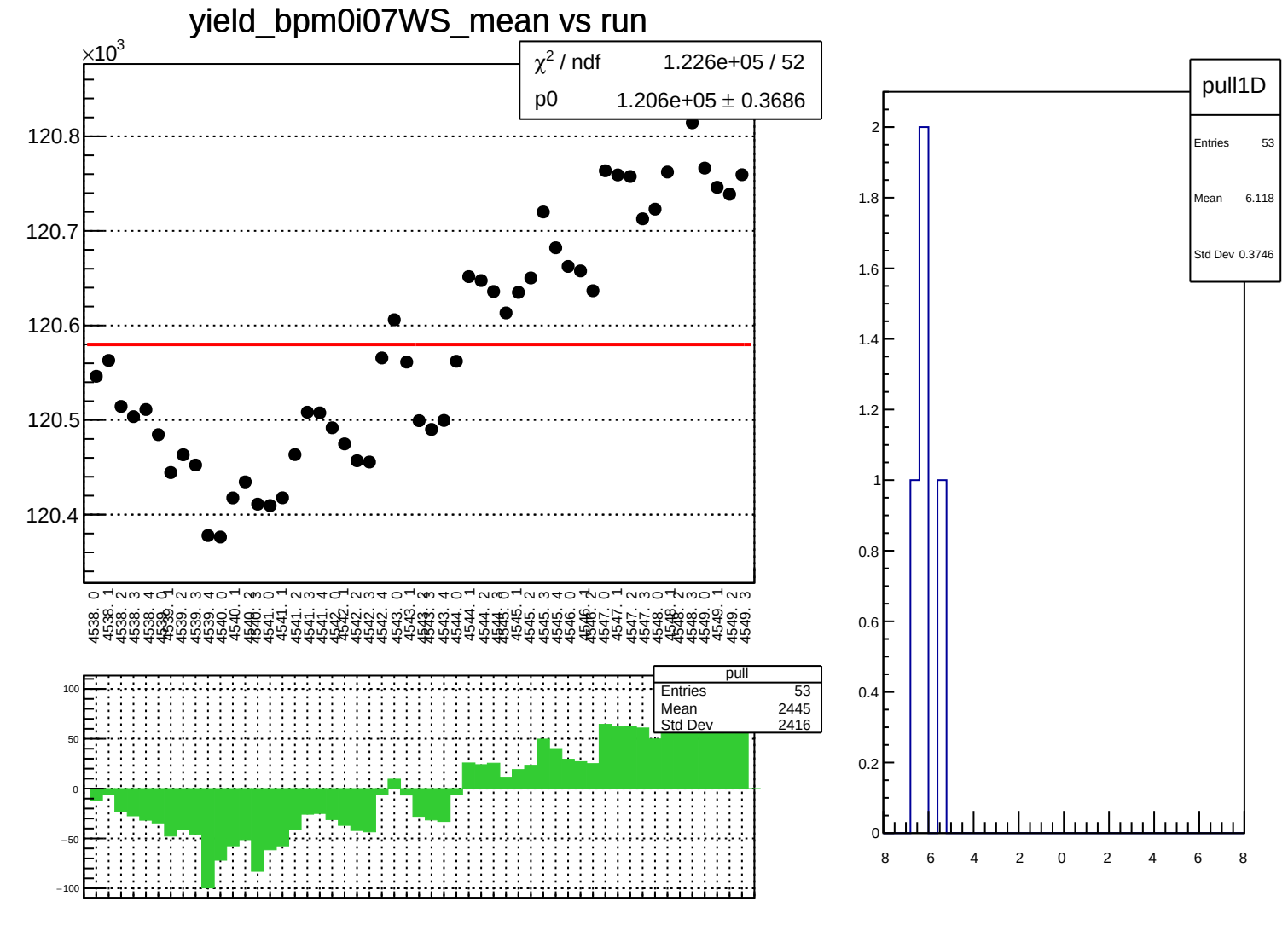

pull1D
Entries 53
Mean −0.8191
Std Dev 5.104

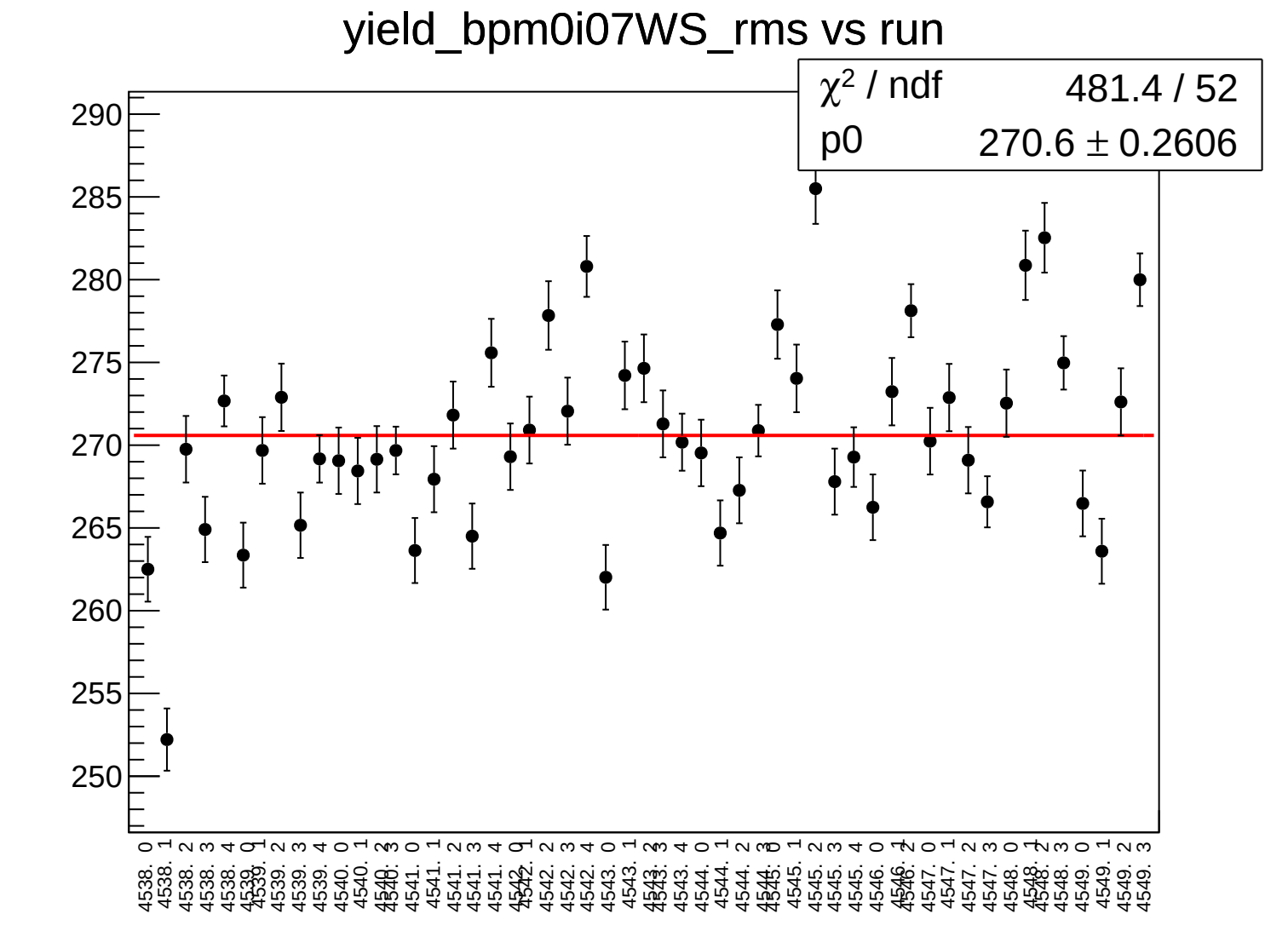

yield_bcm0l02_rms vs run
χ² / ndf 2.76e+04 / 52
p0 0.3225 ± 0.0003146
0.5
0.45
0.4
0.35
0.3
0.25
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

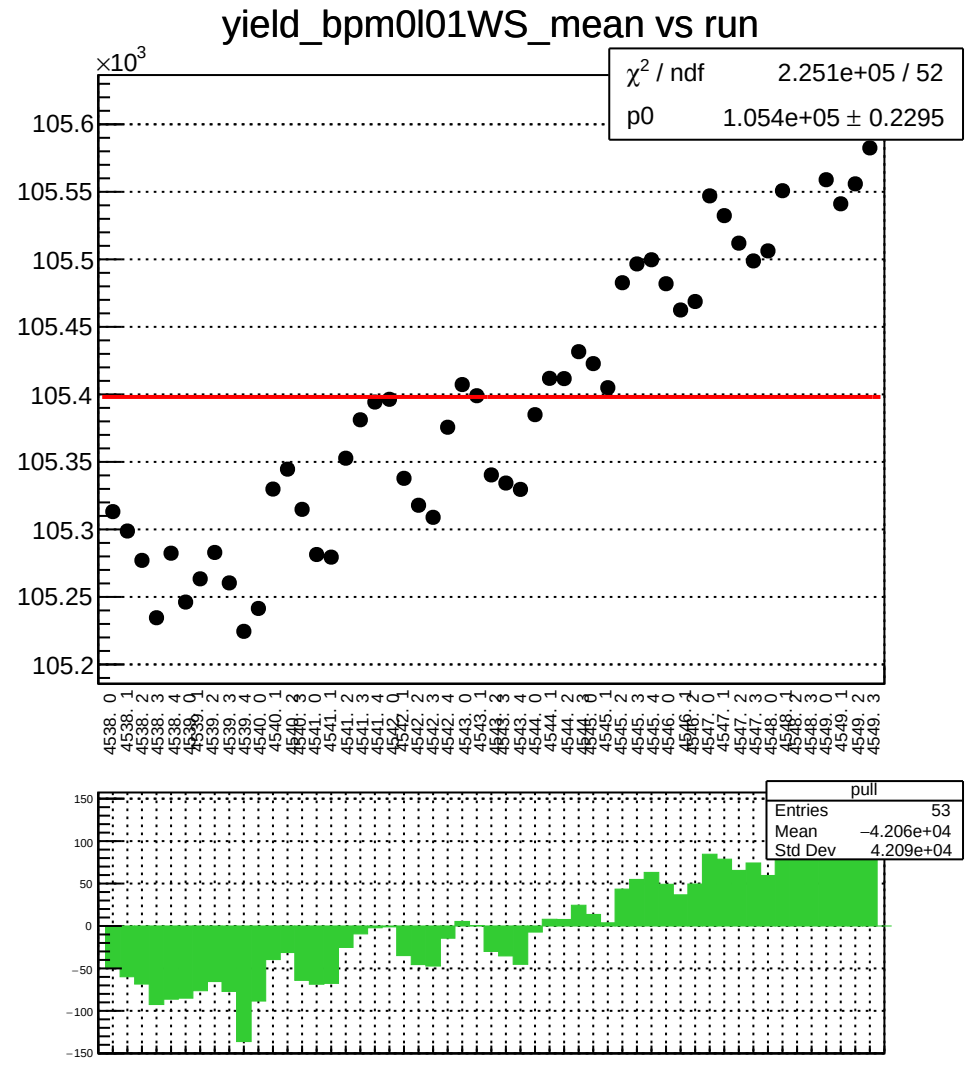

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 8.364e+05 / 52
p0 1.1e+05 ± 0.1873
110.2
110
109.8
109.6
109.4
109.2
109
108.8
pull
Entries 53
Mean −114.5
Std Dev 142.4
0
−200
−400
−600
−800

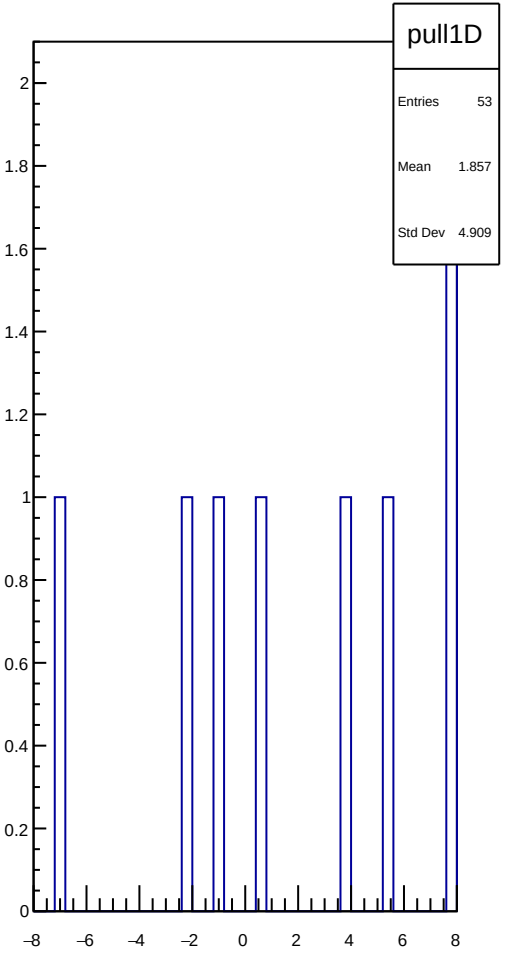

pull1D
Entries 53
Mean 0.9493
Std Dev 3.498
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

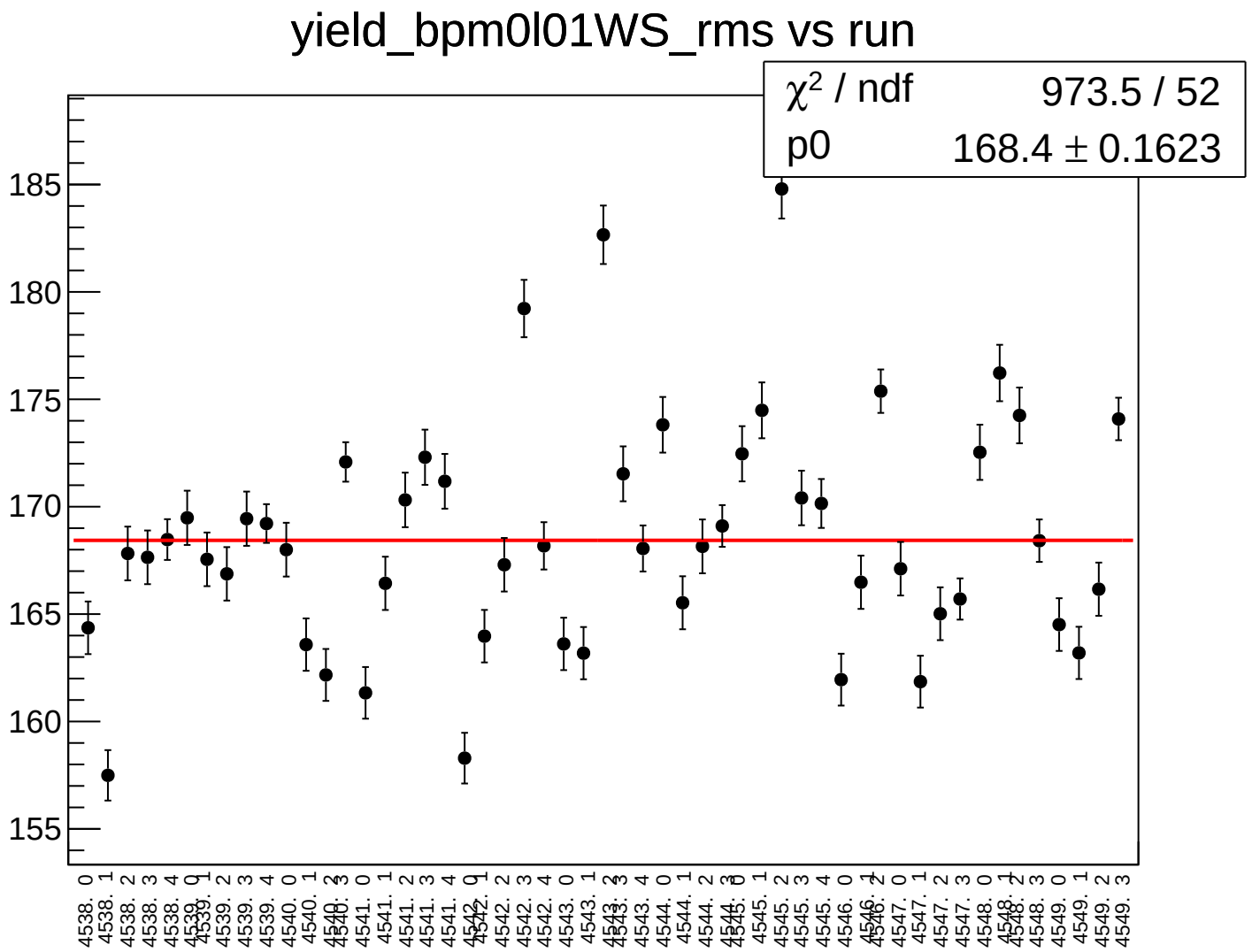

yield_bpm2i01WS_rms vs run
χ² / ndf 2.762e+04 / 52
p0 135.7 ± 0.1324
600
500
400
300
200
100
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

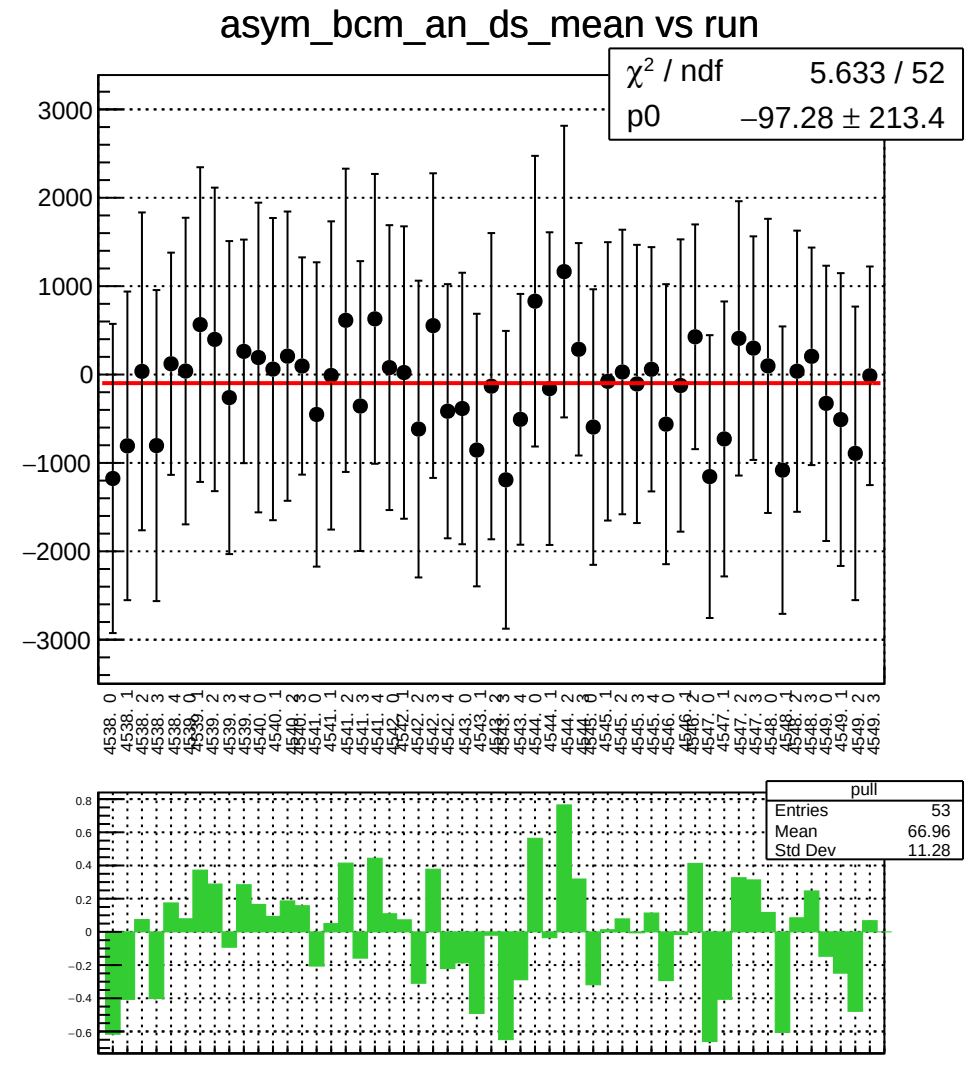

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.226e+05 / 52
p0 1.206e+05 ± 0.3686
120.8
120.7
120.6
120.5
120.4
pull
Entries 53
Mean 2445
Std Dev 2416
100
50
0
−50
−100
pull1D
Entries 53
Mean −6.118
Std Dev 0.3746
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

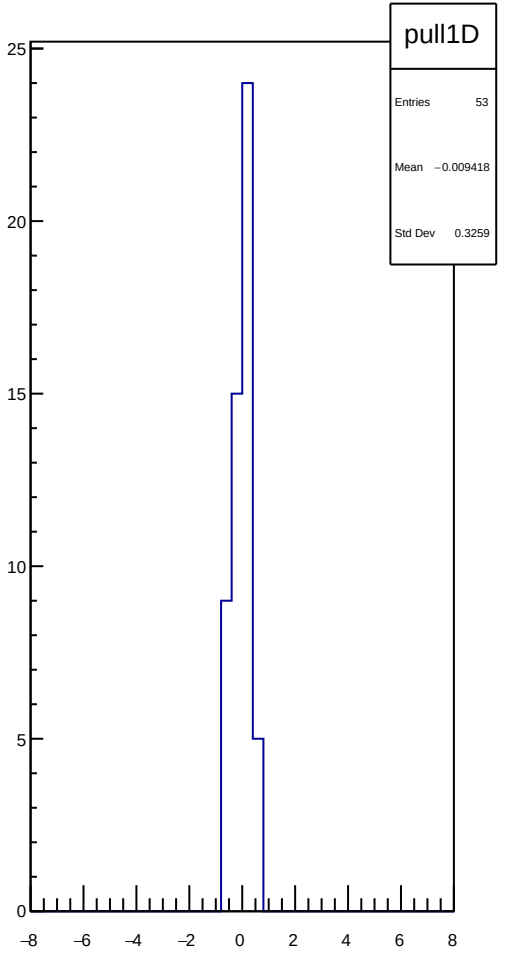

yield_bpm0i07WS_rms vs run
χ² / ndf 481.4 / 52
p0 270.6 ± 0.2606
290
285
280
275
270
265
260
255
250
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 4
4544. 0
4544. 1
4544. 2
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

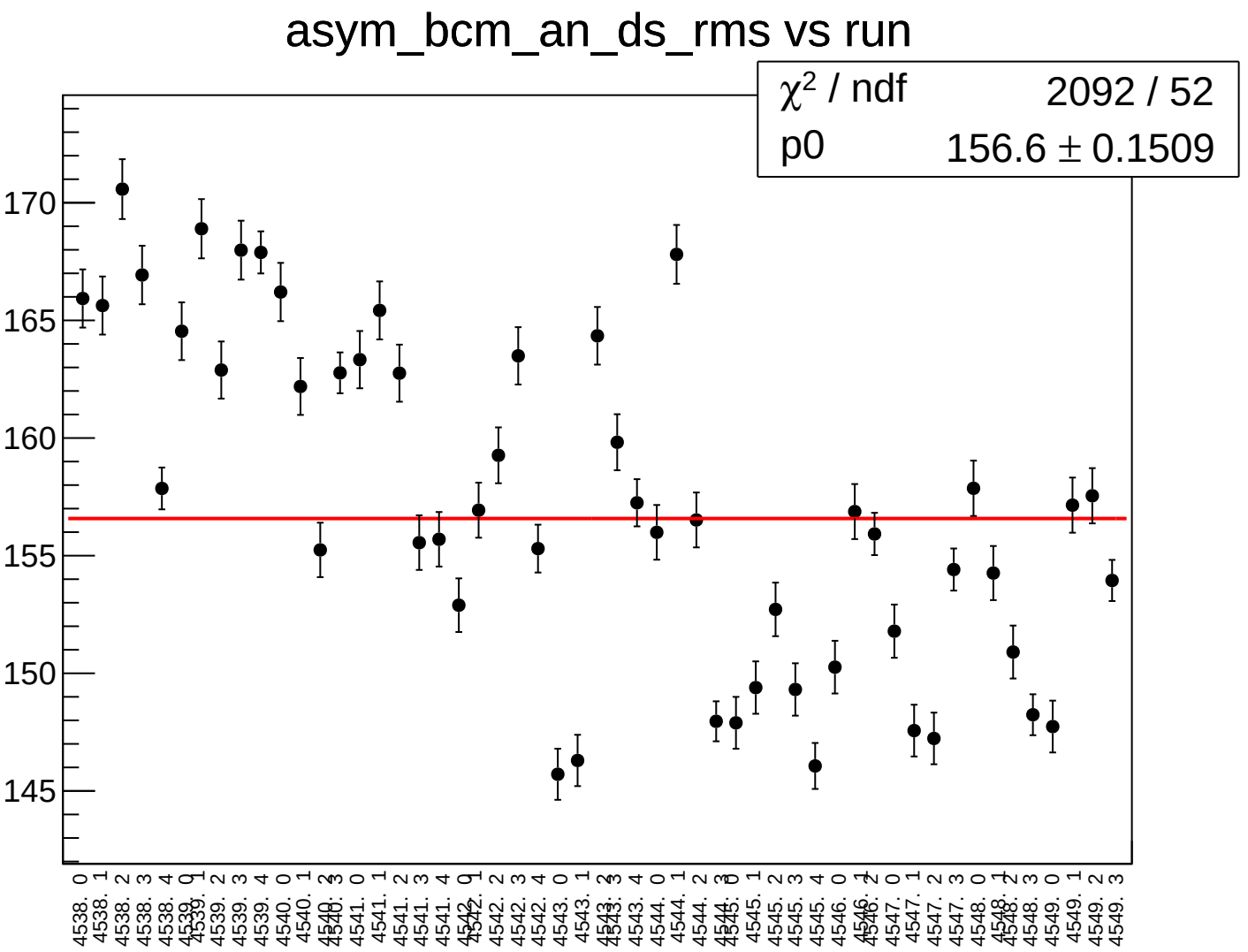

yield_bpm0l01WS_mean vs run
×10^3
χ^2 / ndf 2.251e+05 / 52
p0 1.054e+05 ± 0.2295
105.6
105.55
105.5
105.45
105.4
105.35
105.3
105.25
105.2
pull
Entries 53
Mean −4.206e+04
Std Dev 4.209e+04
150
100
50
0
−50
−100
−150


pull1D
Entries 53
Mean 1.857
Std Dev 4.909
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_bpm0l01WS_rms vs run
χ² / ndf 973.5 / 52
p0 168.4 ± 0.1623
185
180
175
170
165
160
155
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_bcm_an_ds_mean vs run
χ² / ndf 5.633 / 52
p0 −97.28 ± 213.4
pull
Entries 53
Mean 66.96
Std Dev 11.28


pull1D
Entries 53
Mean −0.009418
Std Dev 0.3259


asym_bcm_an_ds_rms vs run
χ² / ndf 2092 / 52
p0 156.6 ± 0.1509
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
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4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
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4547. 1
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4549. 0
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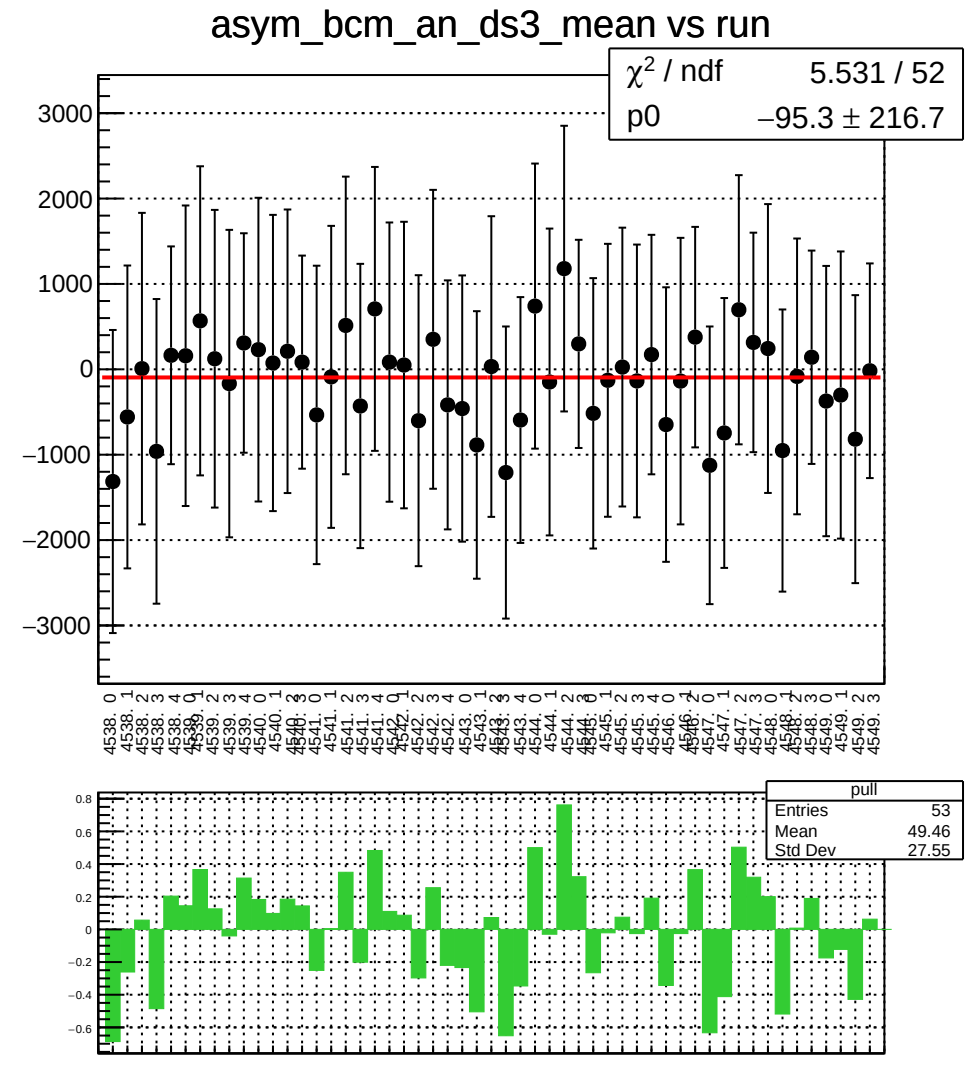
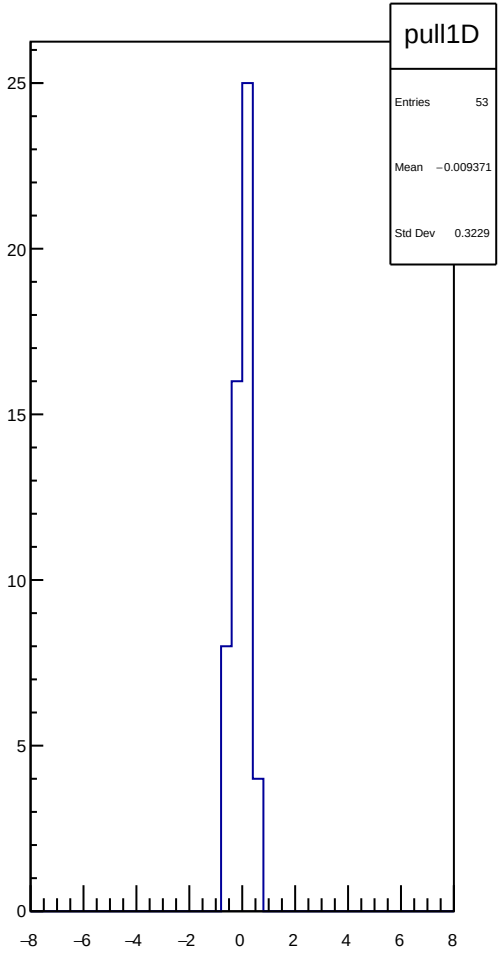
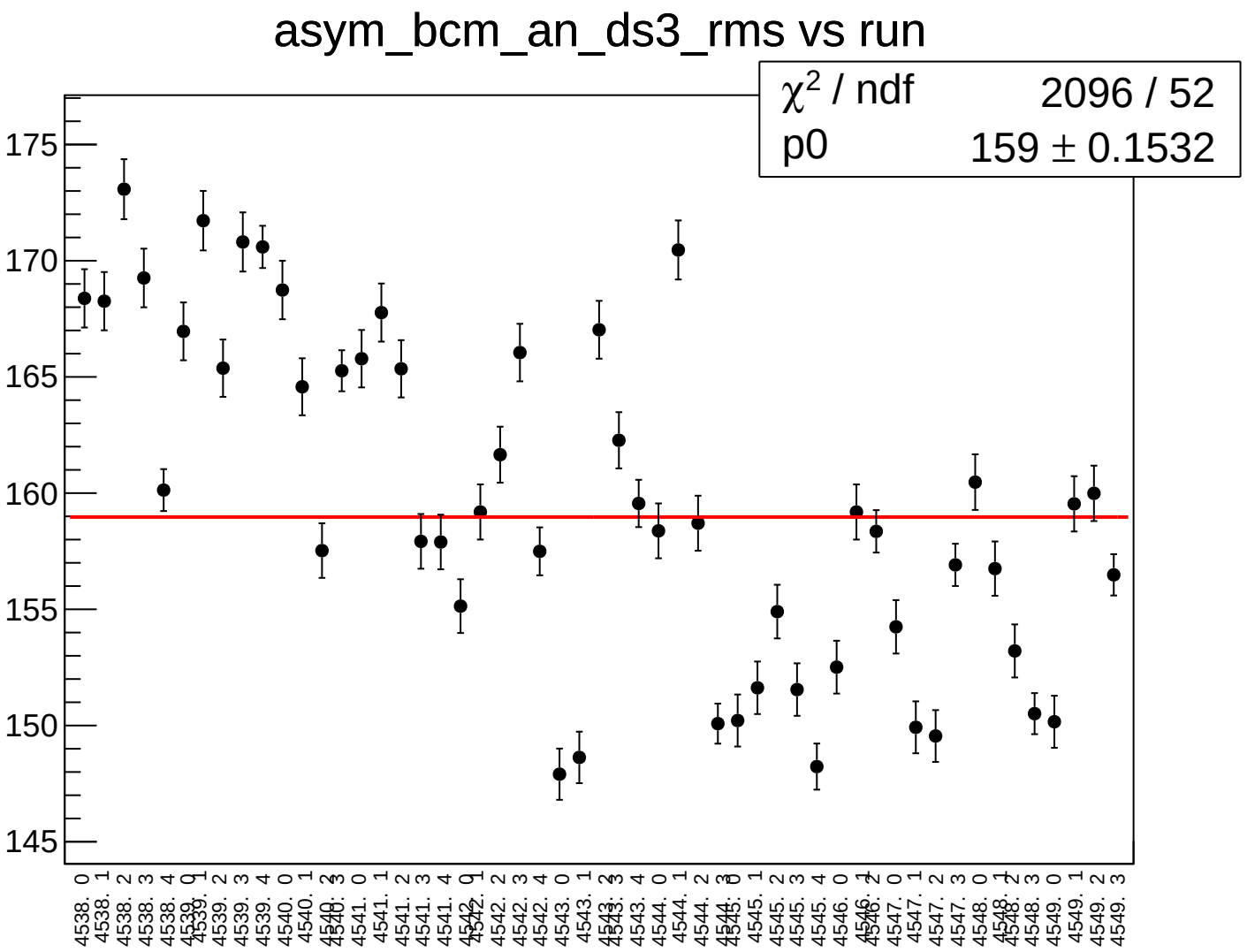
4549. 2
4549. 3


asym_bcm_an_ds3_mean vs run
χ² / ndf 5.531 / 52
p0 −95.3 ± 216.7
pull
Entries 53
Mean 49.46
Std Dev 27.55


pull1D
Entries 53
Mean −0.009371
Std Dev 0.3229


asym_bcm_an_ds3_rms vs run
χ^2 / ndf 2096 / 52
p0 159 ± 0.1532
175
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
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4543. 1
4543. 2
4543. 3
4543. 4
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4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
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4546. 1
4546. 2
4547. 0
4547. 1
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4548. 2
4548. 3
4549. 0
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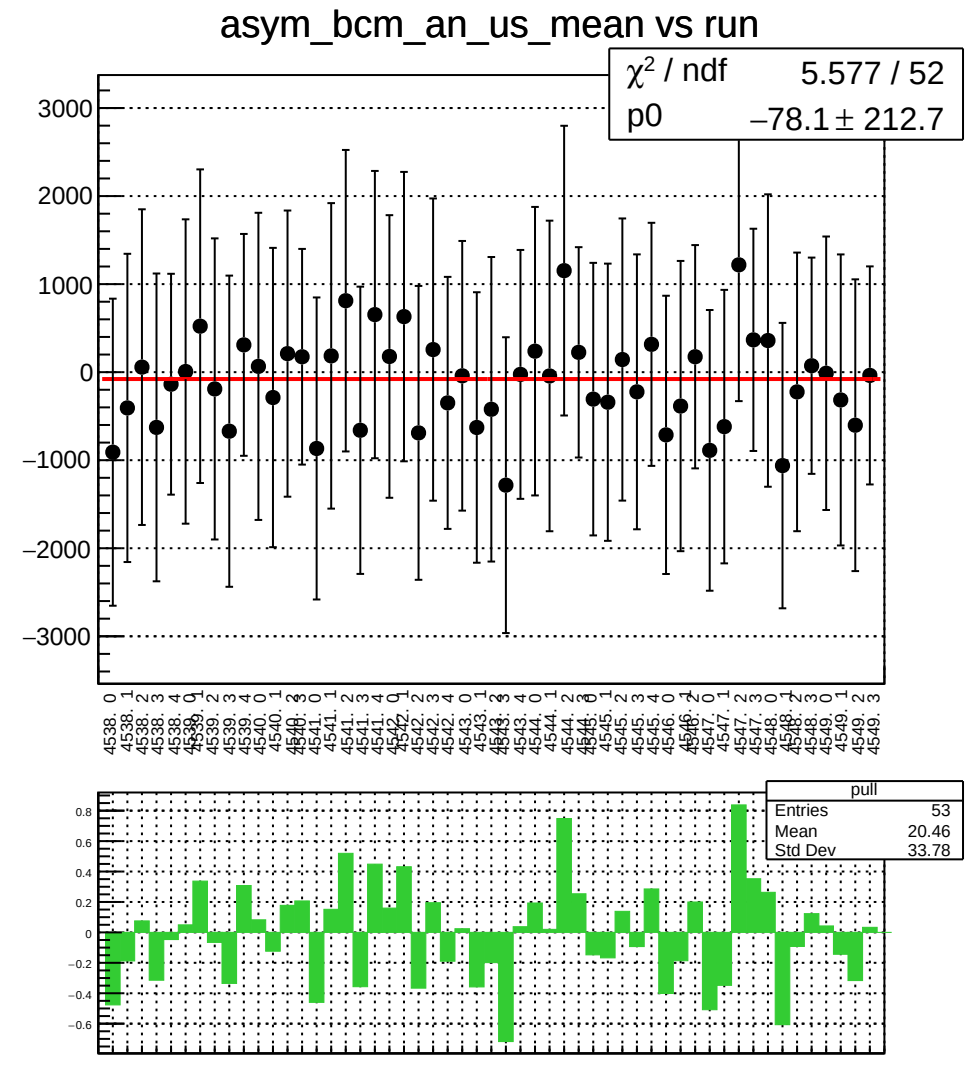
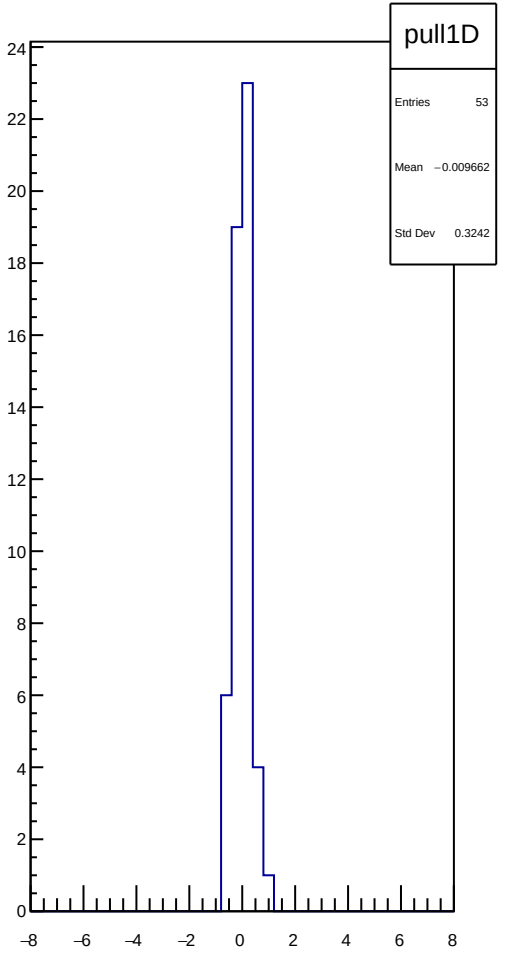
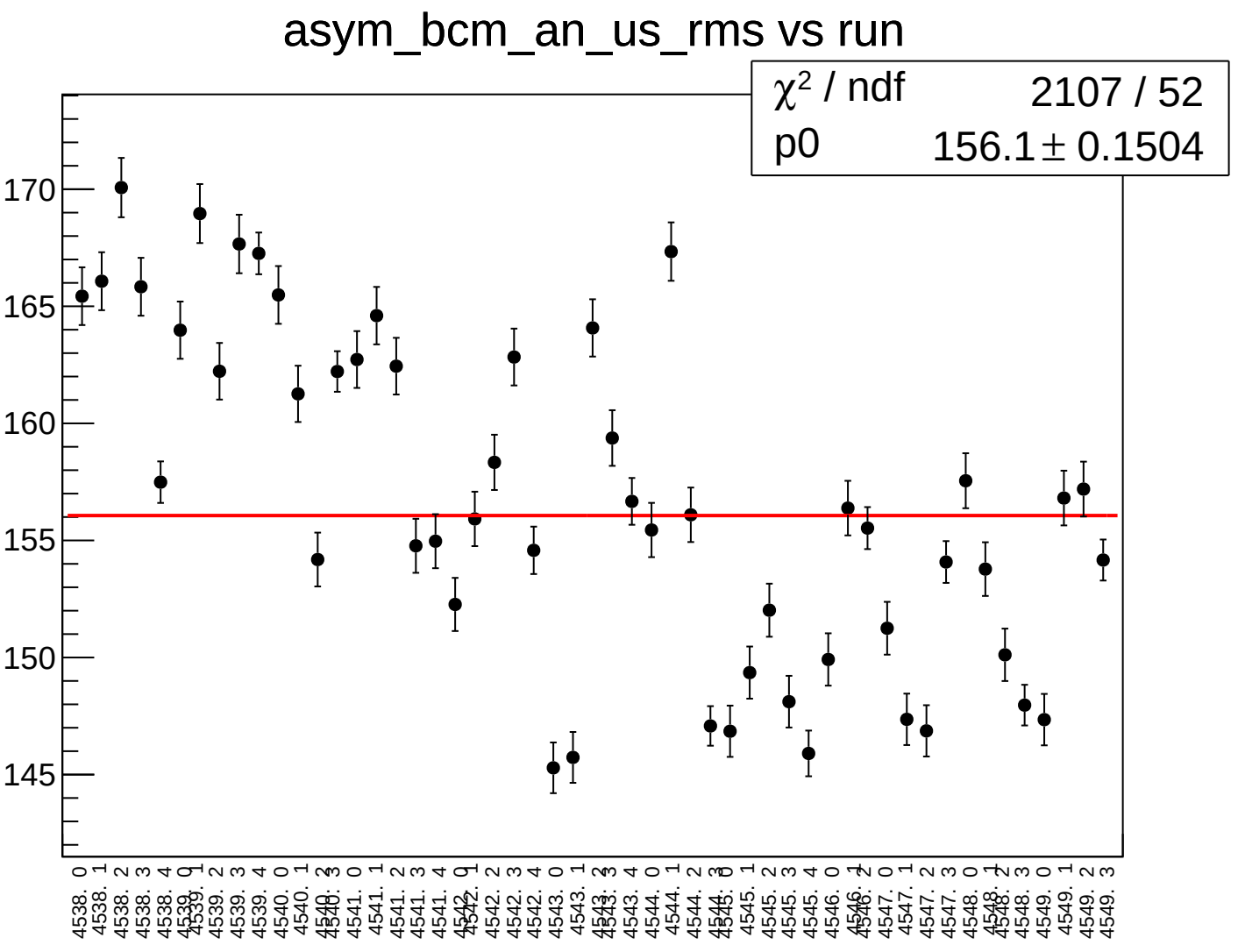
4549. 2
4549. 3


asym_bcm_an_us_mean vs run
χ² / ndf 5.577 / 52
p0 −78.1 ± 212.7
pull
Entries 53
Mean 20.46
Std Dev 33.78


pull1D
Entries 53
Mean −0.009662
Std Dev 0.3242


asym_bcm_an_us_rms vs run
χ² / ndf 2107 / 52
p0 156.1 ± 0.1504
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
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4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
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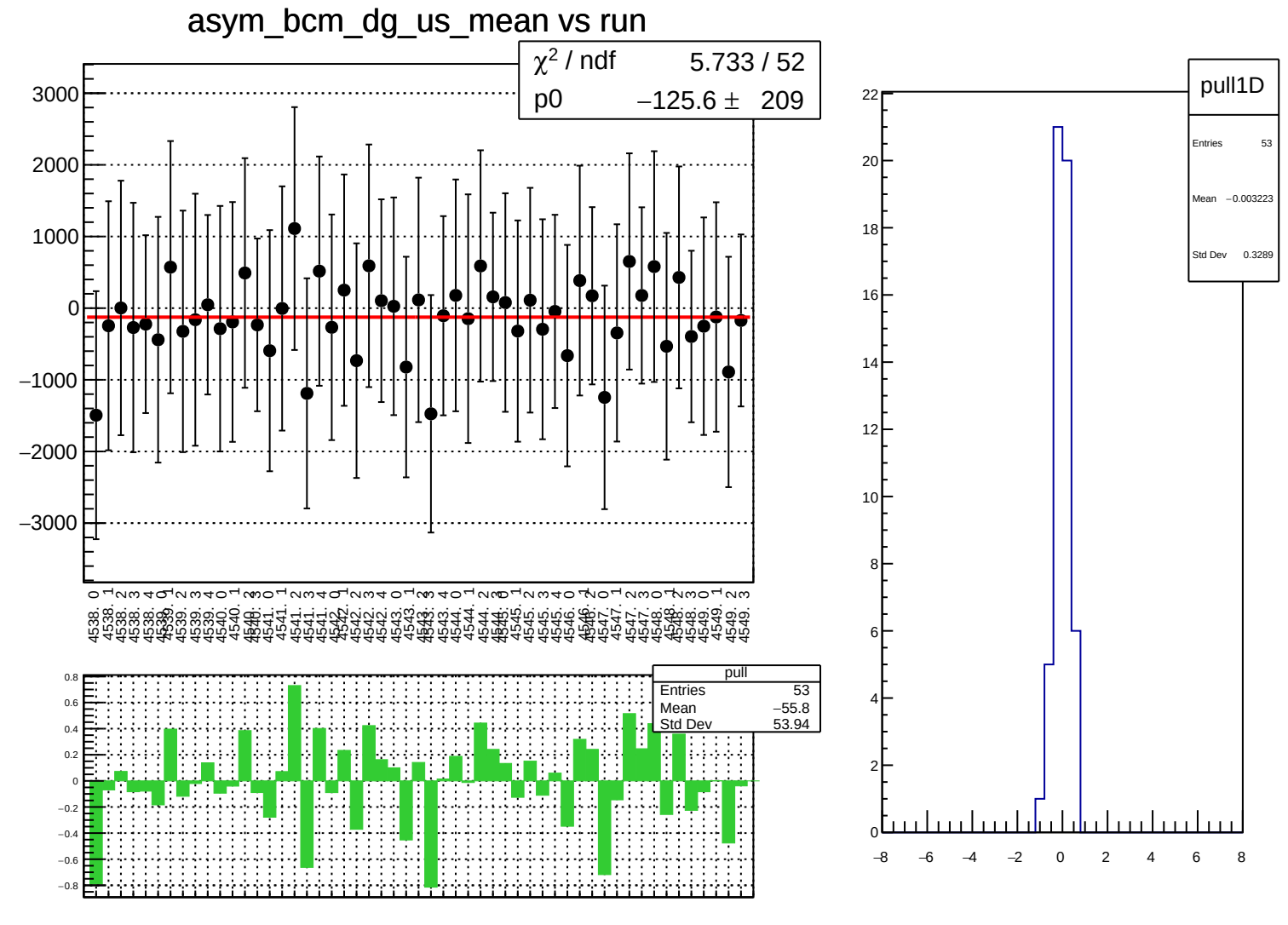
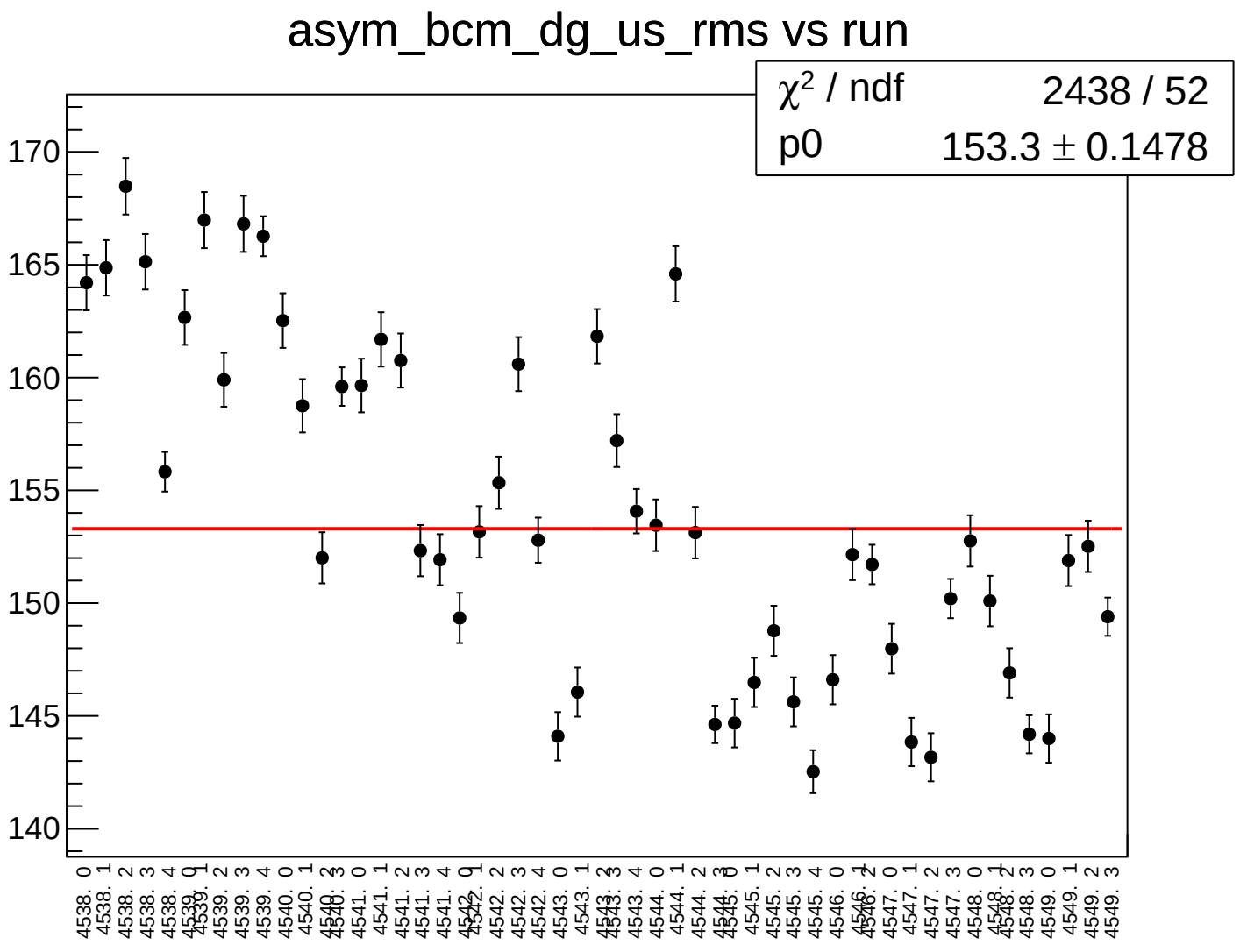
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_bcm_dg_us_mean vs run
χ² / ndf 5.733 / 52
p0 −125.6 ± 209
pull
Entries 53
Mean −55.8
Std Dev 53.94
pull1D
Entries 53
Mean −0.003223
Std Dev 0.3289


asym_bcm_dg_us_rms vs run
χ² / ndf 2438 / 52
p0 153.3 ± 0.1478
170
165
160
155
150
145
140
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
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4543. 1
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4548. 1
4548. 2
4548. 3
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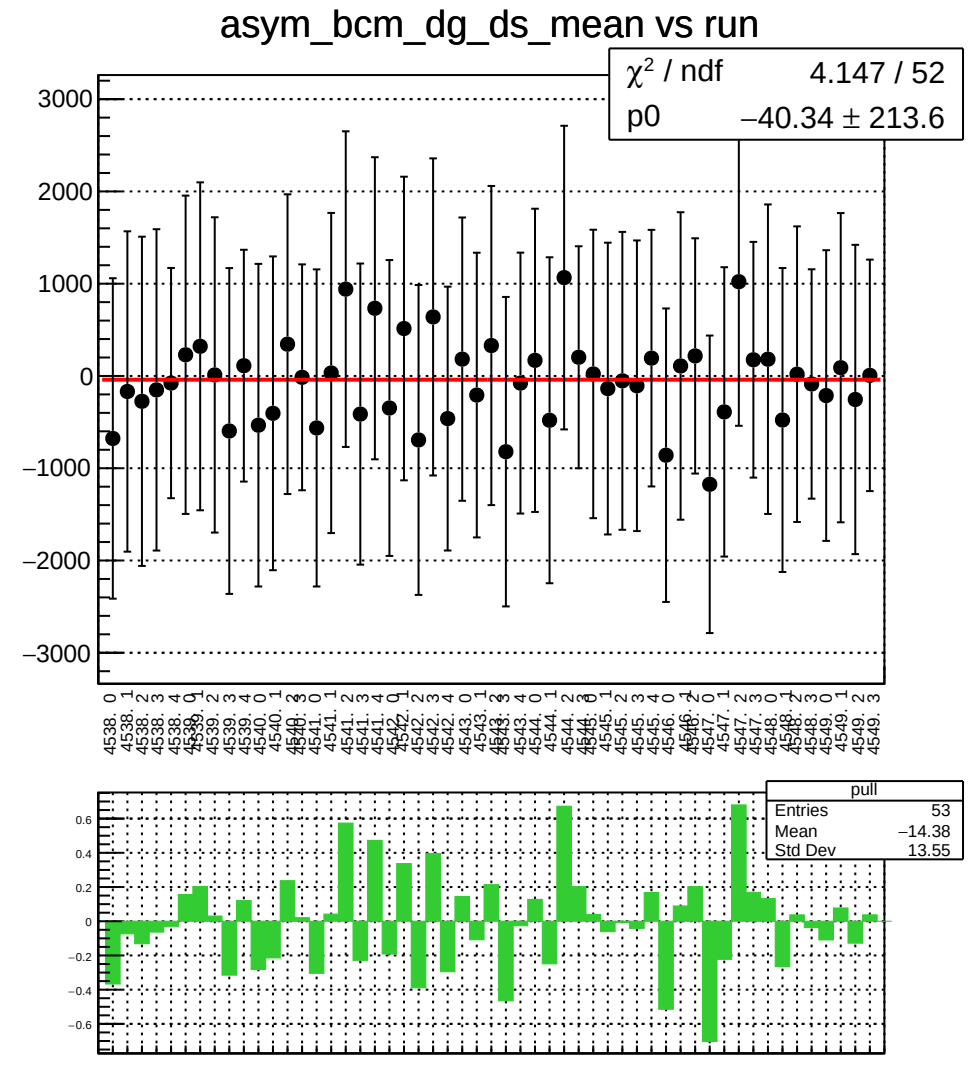
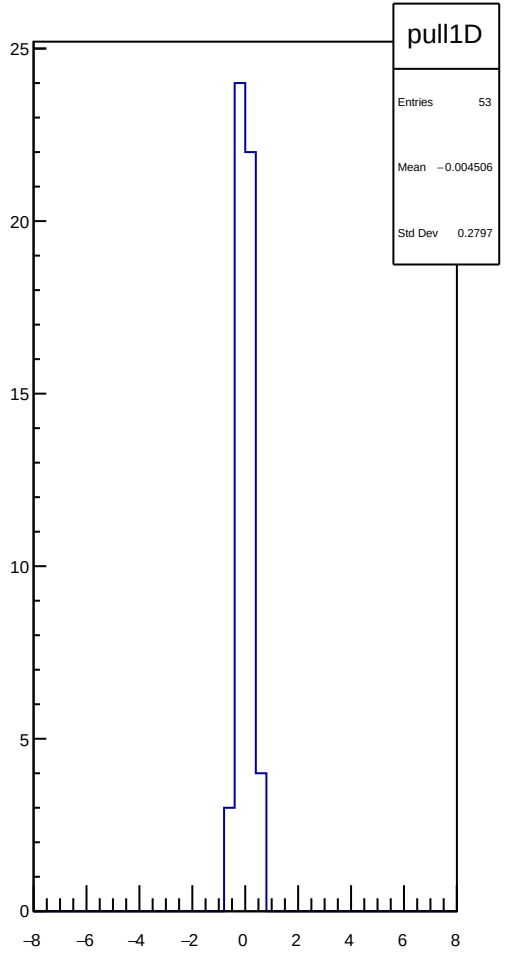
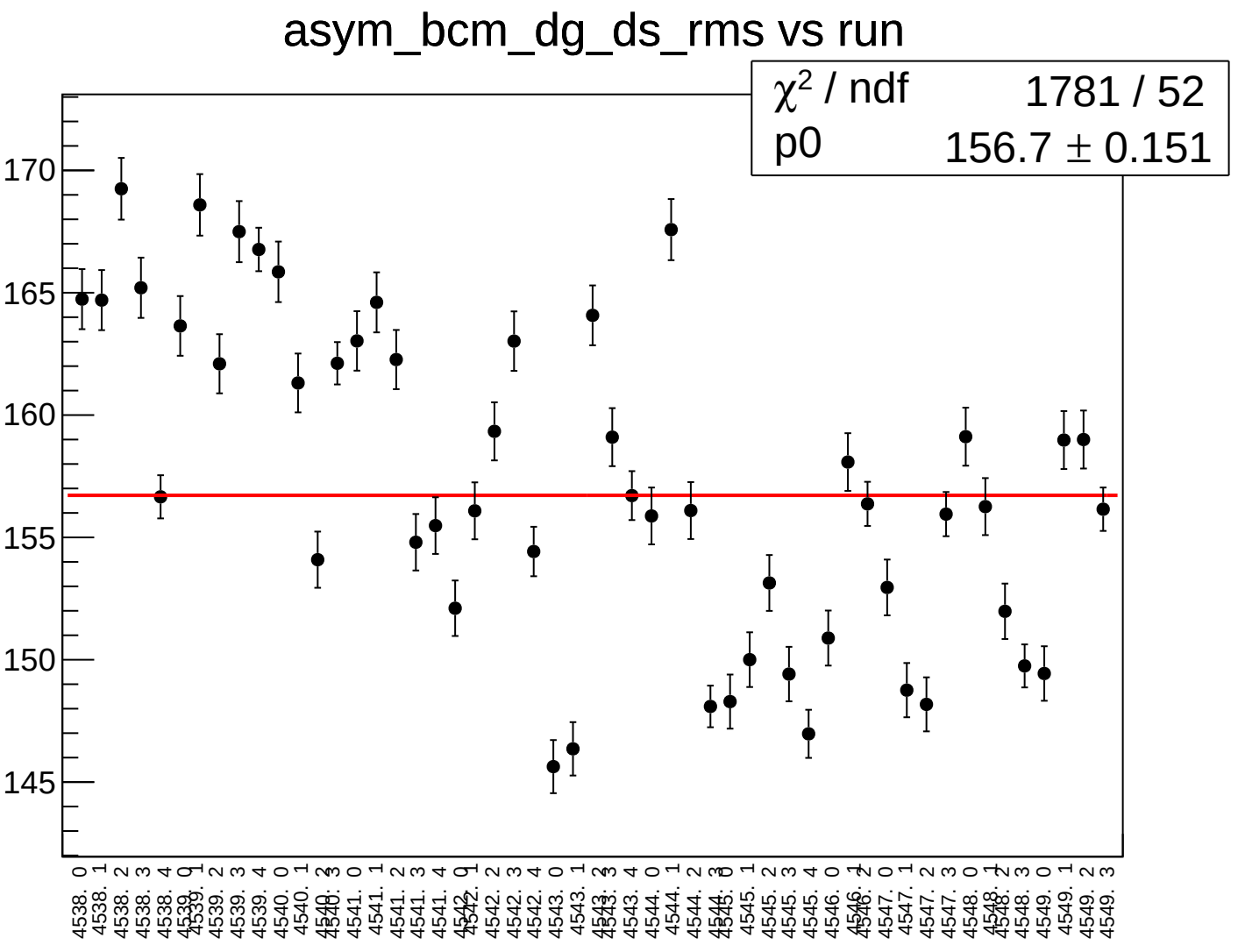
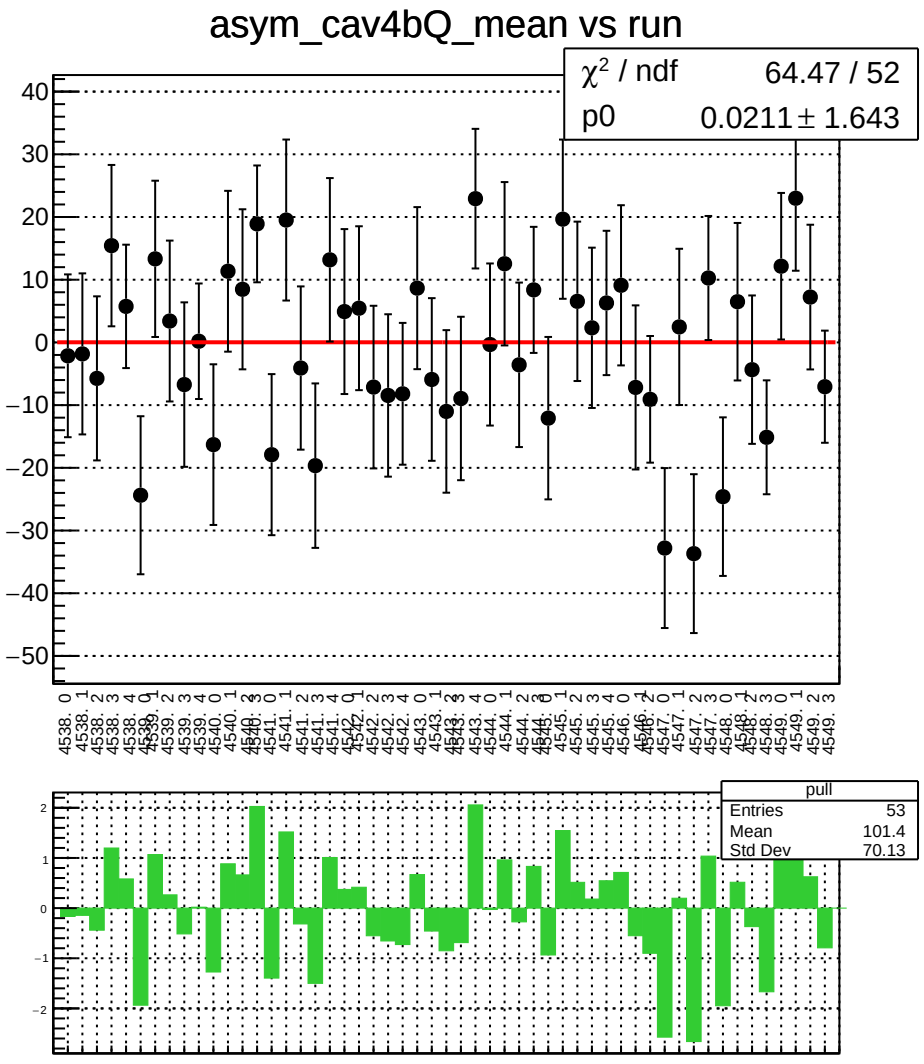
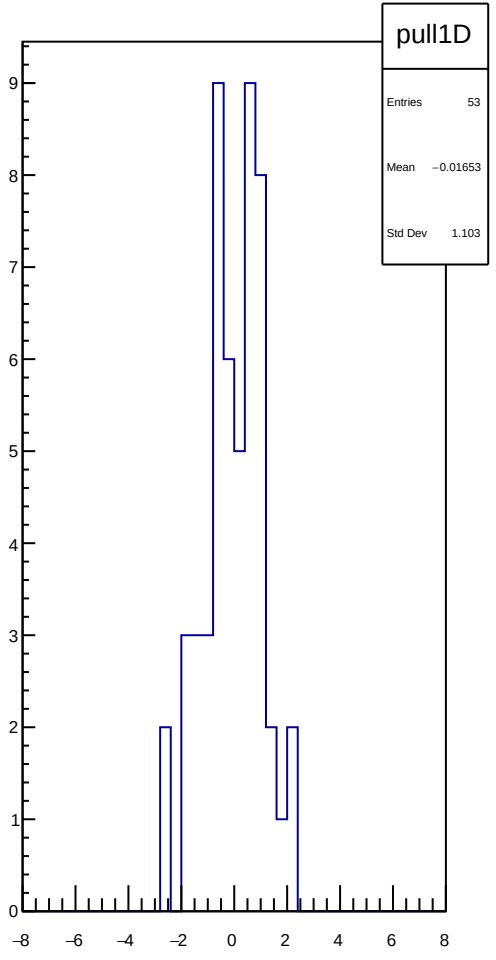
4549. 1
4549. 2
4549. 3

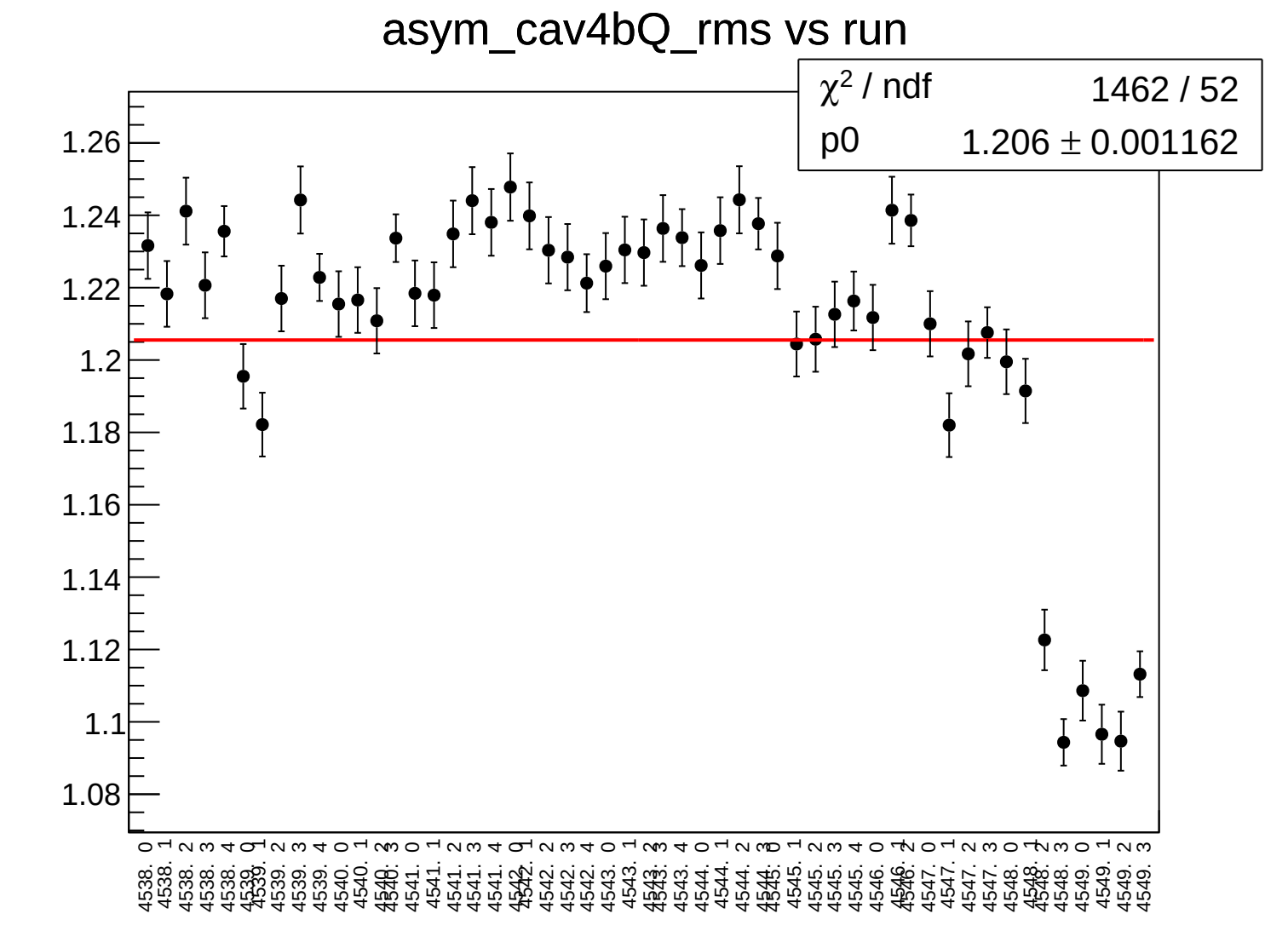

asym_bcm_dg_ds_mean vs run
χ² / ndf 4.147 / 52
p0 −40.34 ± 213.6
pull
Entries 53
Mean −14.38
Std Dev 13.55

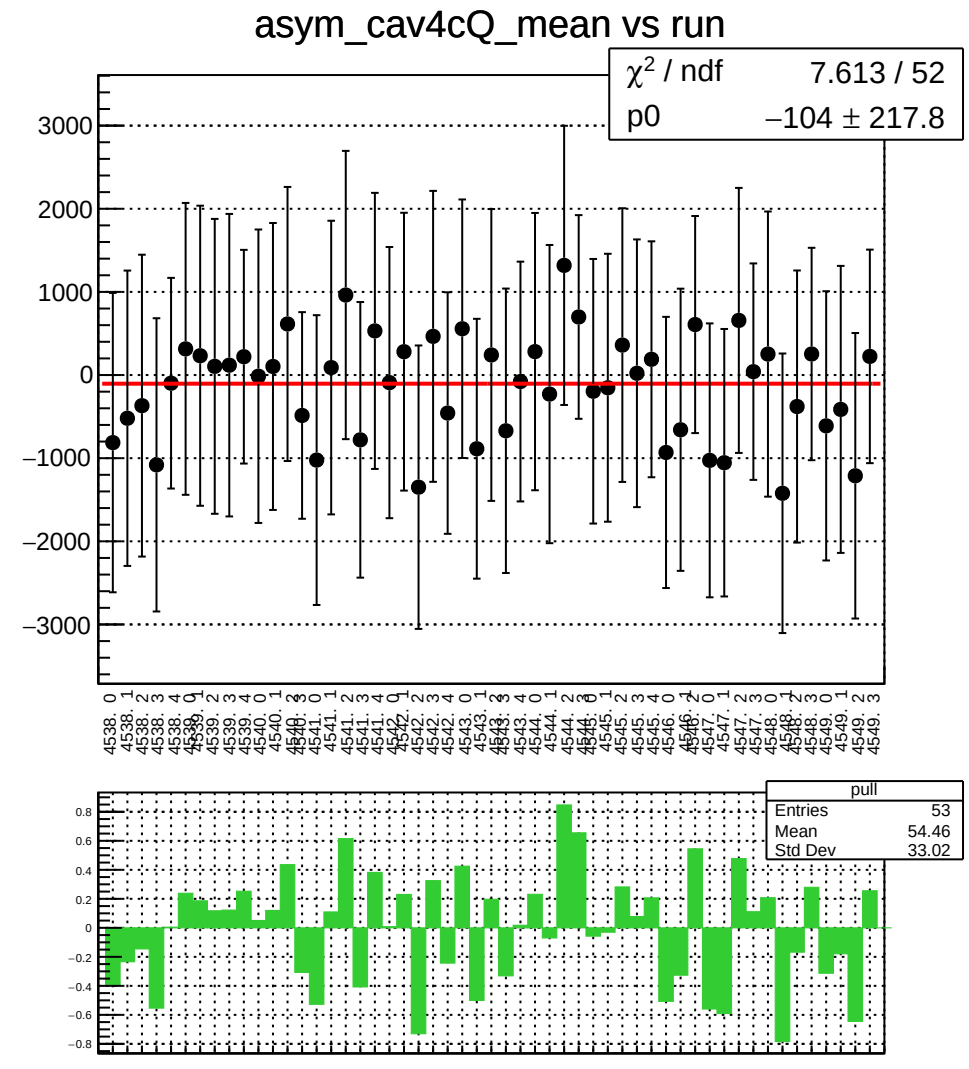

pull1D
Entries 53
Mean −0.004506
Std Dev 0.2797

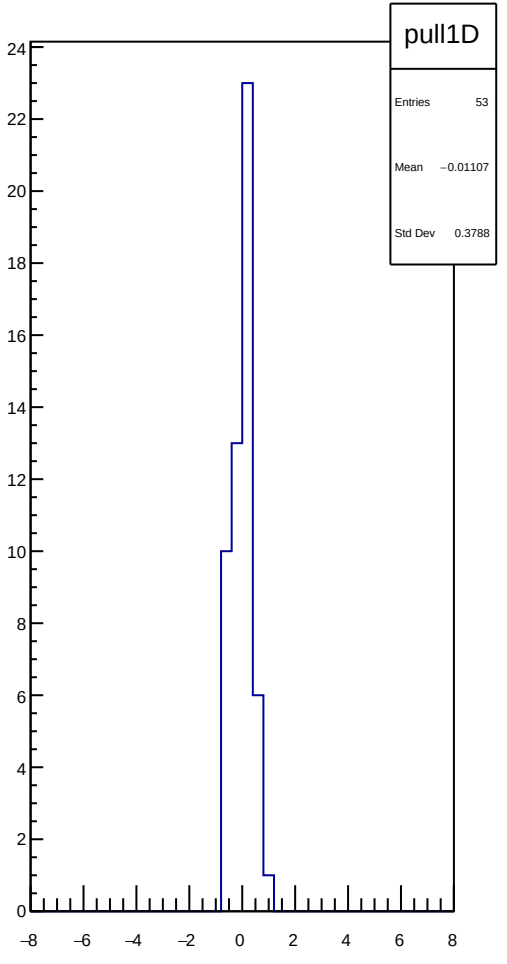

asym_bcm_dg_ds_rms vs run
χ² / ndf 1781 / 52
p0 156.7 ± 0.151
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

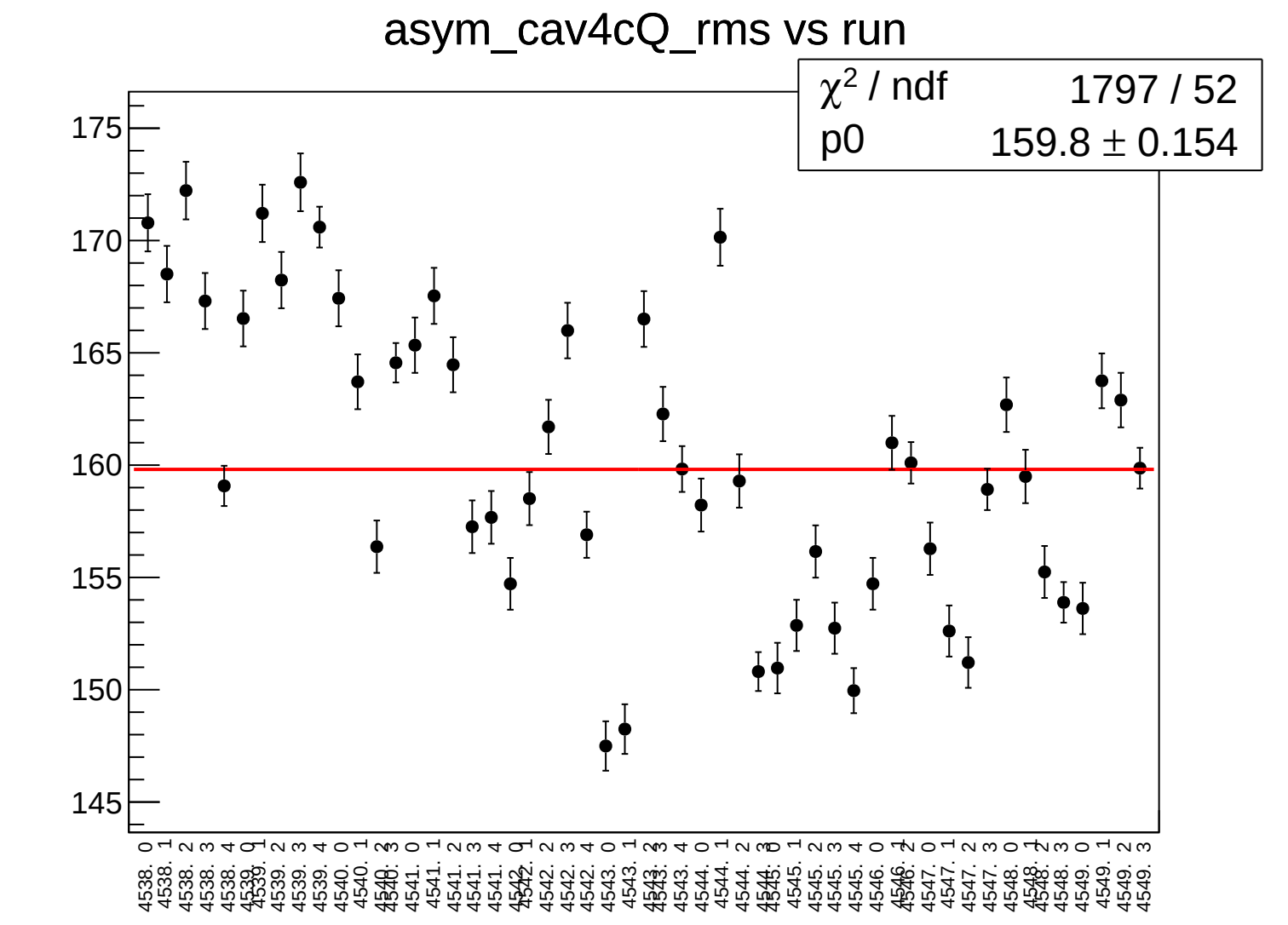

asym_cav4bQ_mean vs run
χ² / ndf 64.47 / 52
p0 0.0211 ± 1.643
pull
Entries 53
Mean 101.4
Std Dev 70.13

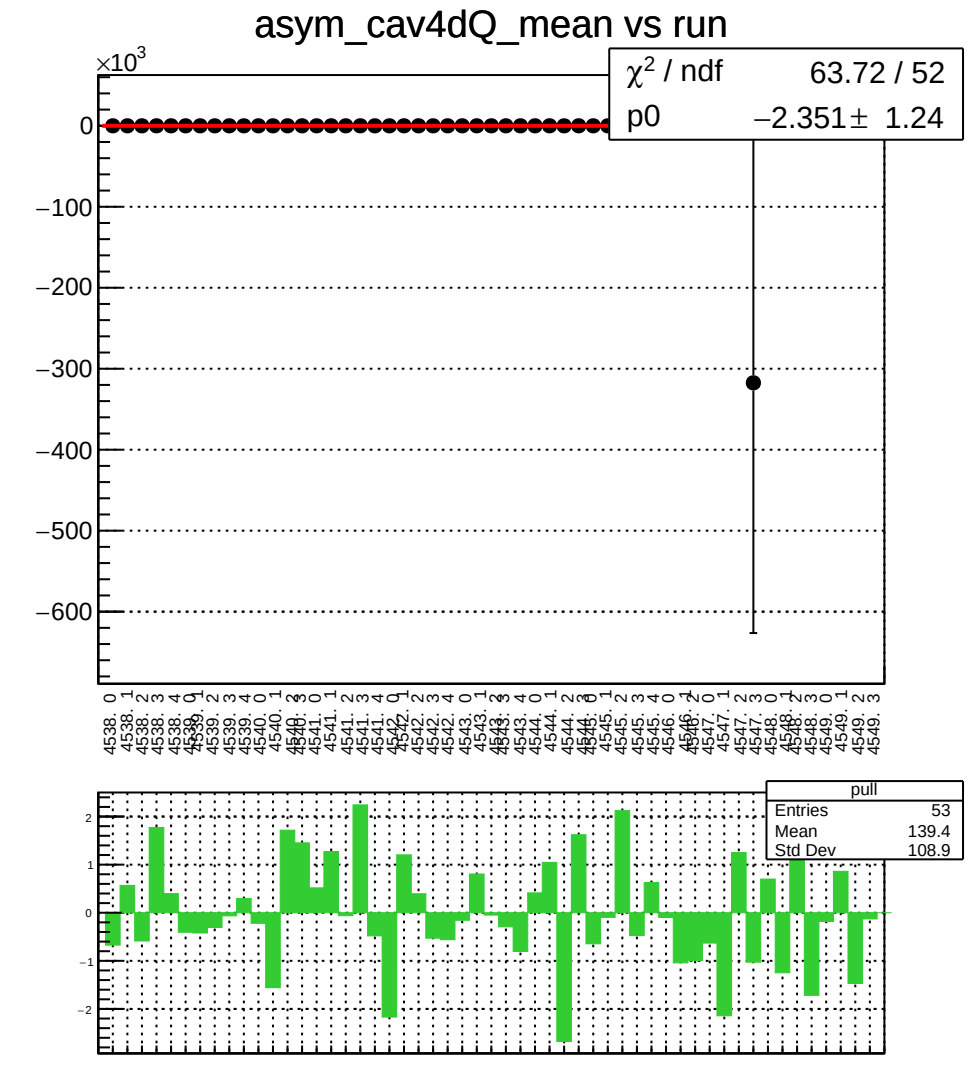

pull1D
Entries 53
Mean −0.01653
Std Dev 1.103

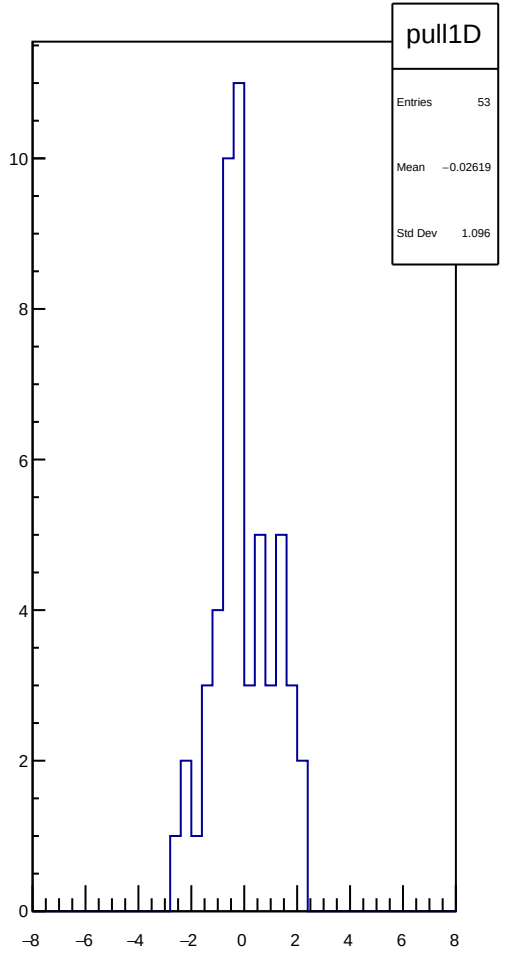

asym_cav4bQ_rms vs run
χ² / ndf 1462 / 52
p0 1.206 ± 0.001162
1.26
1.24
1.22
1.2
1.18
1.16
1.14
1.12
1.1
1.08

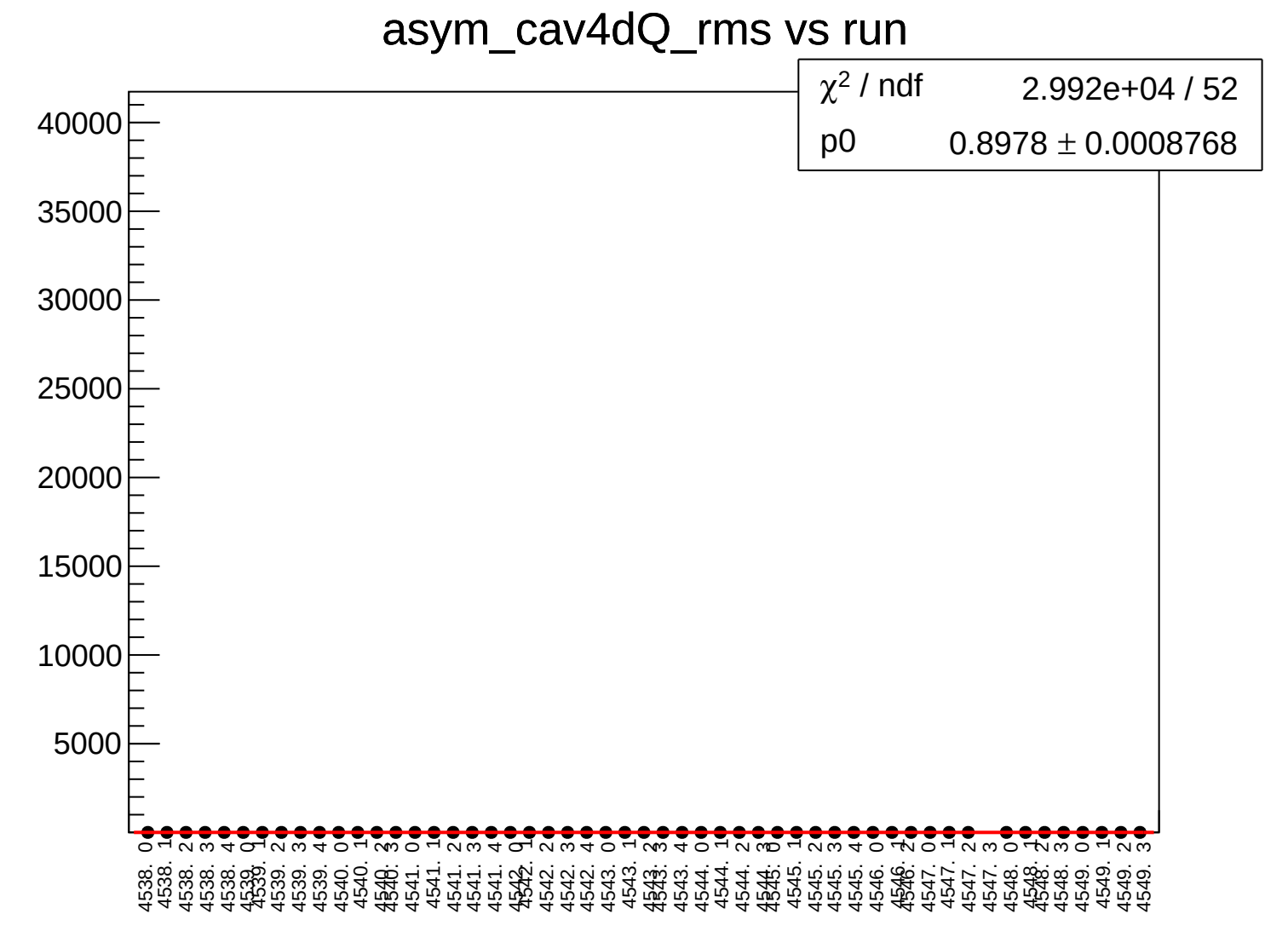

asym_cav4cQ_mean vs run
χ² / ndf 7.613 / 52
p0 −104 ± 217.8
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 53
Mean 54.46
Std Dev 33.02
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

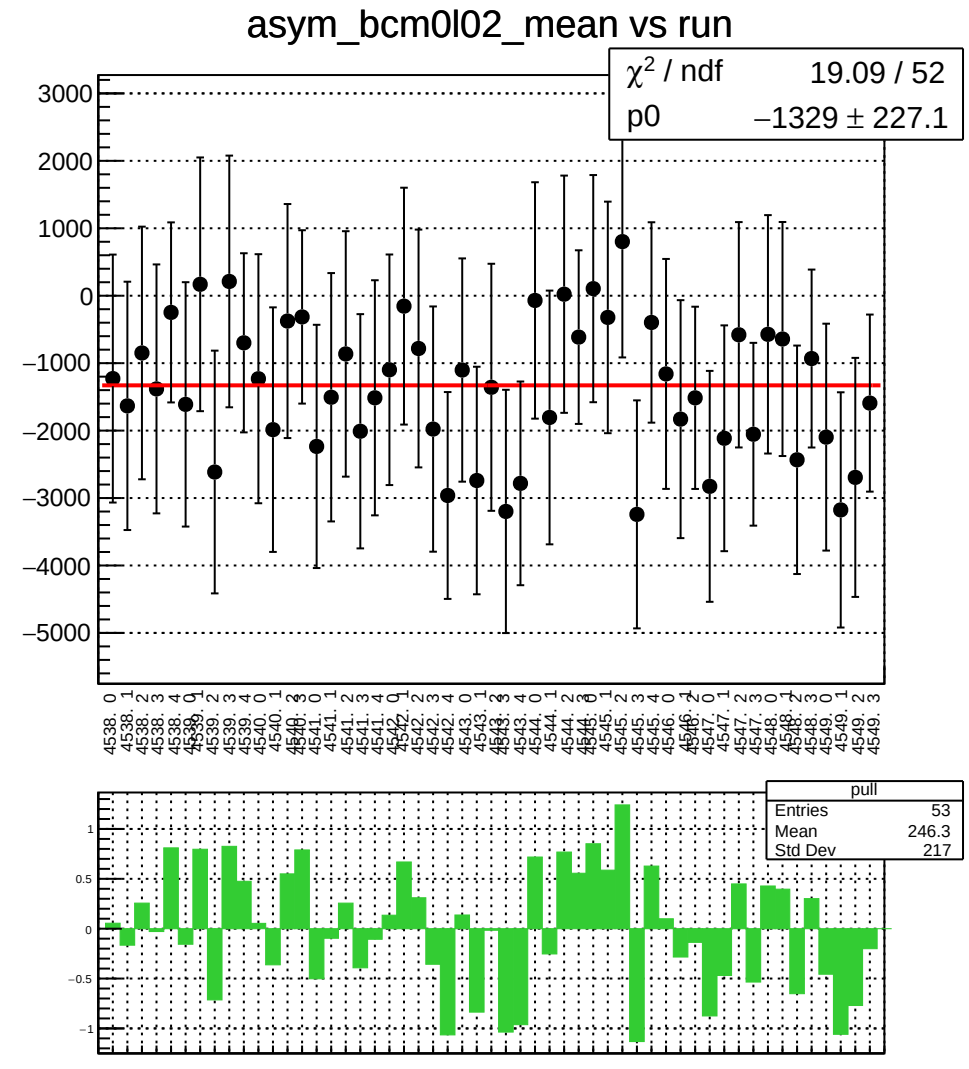

pull1D
Entries 53
Mean −0.01107
Std Dev 0.3788
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

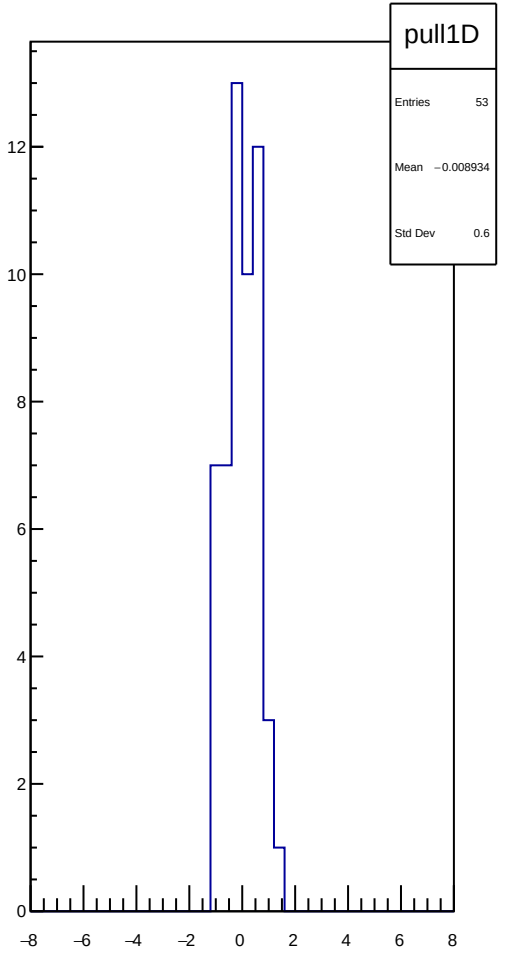

asym_cav4cQ_rms vs run
χ² / ndf 1797 / 52
p0 159.8 ± 0.154
175
170
165
160
155
150
145
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

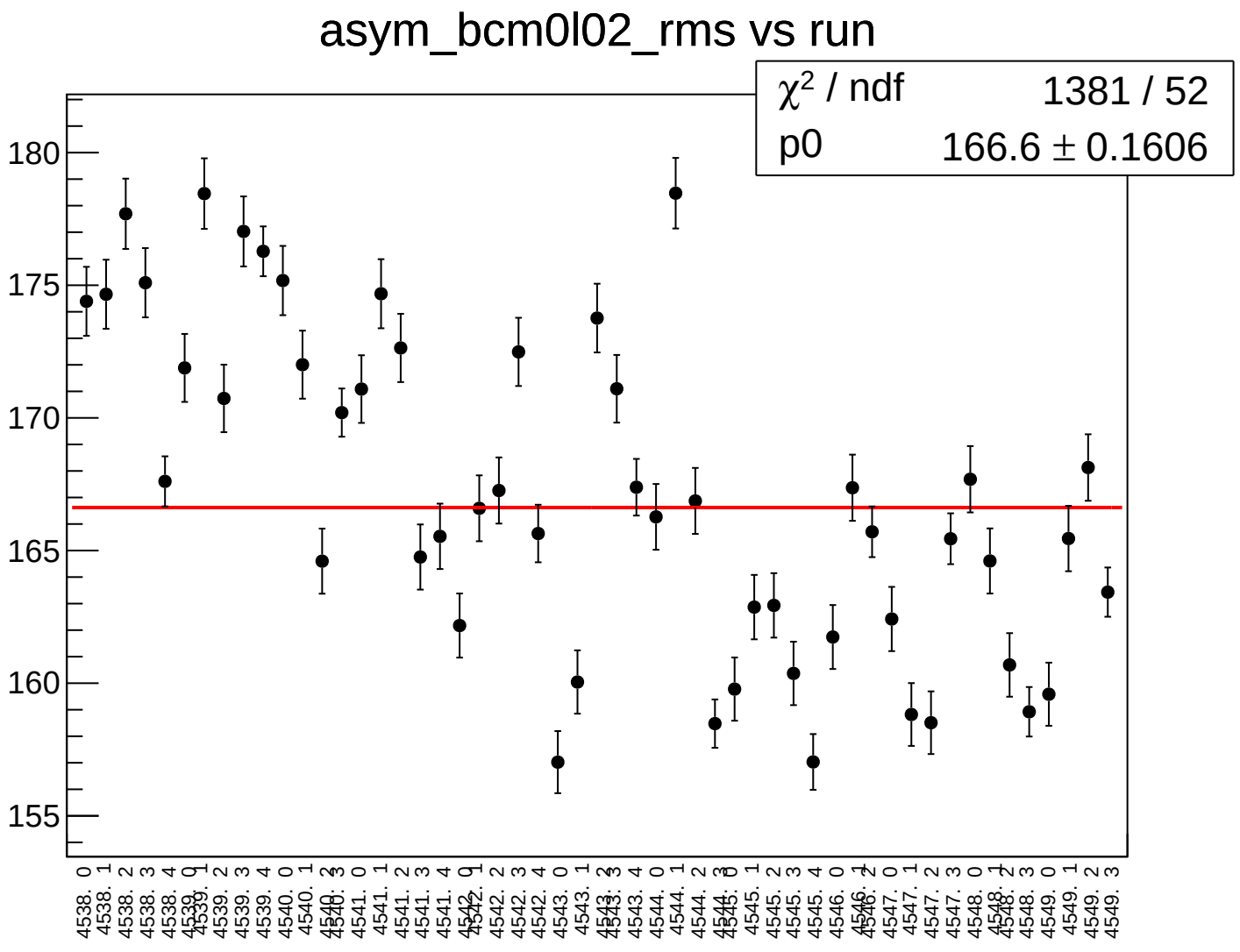

asym_cav4dQ_mean vs run
×10^3
χ^2 / ndf 63.72 / 52
p0 −2.351 ± 1.24
0
−100
−200
−300
−400
−500
−600
pull
Entries 53
Mean 139.4
Std Dev 108.9
2
1
0
−1
−2

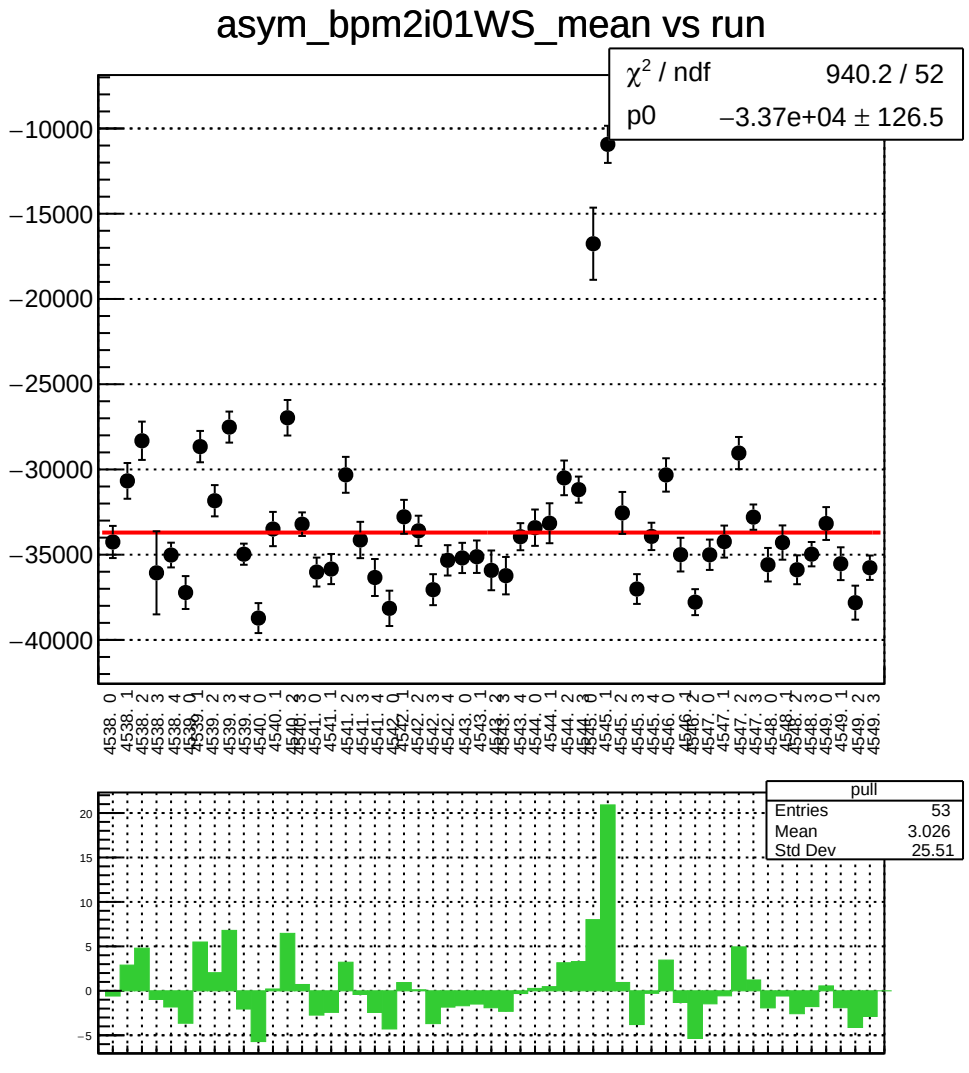

pull1D
Entries 53
Mean −0.02619
Std Dev 1.096
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

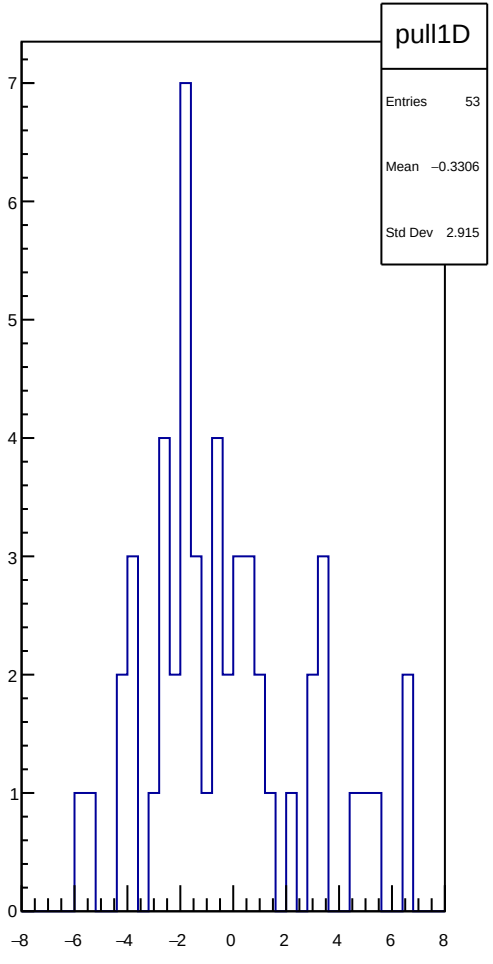

asym_cav4dQ_rms vs run
χ2 / ndf 2.992e+04 / 52
p0 0.8978 ± 0.0008768
40000
35000
30000
25000
20000
15000
10000
5000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

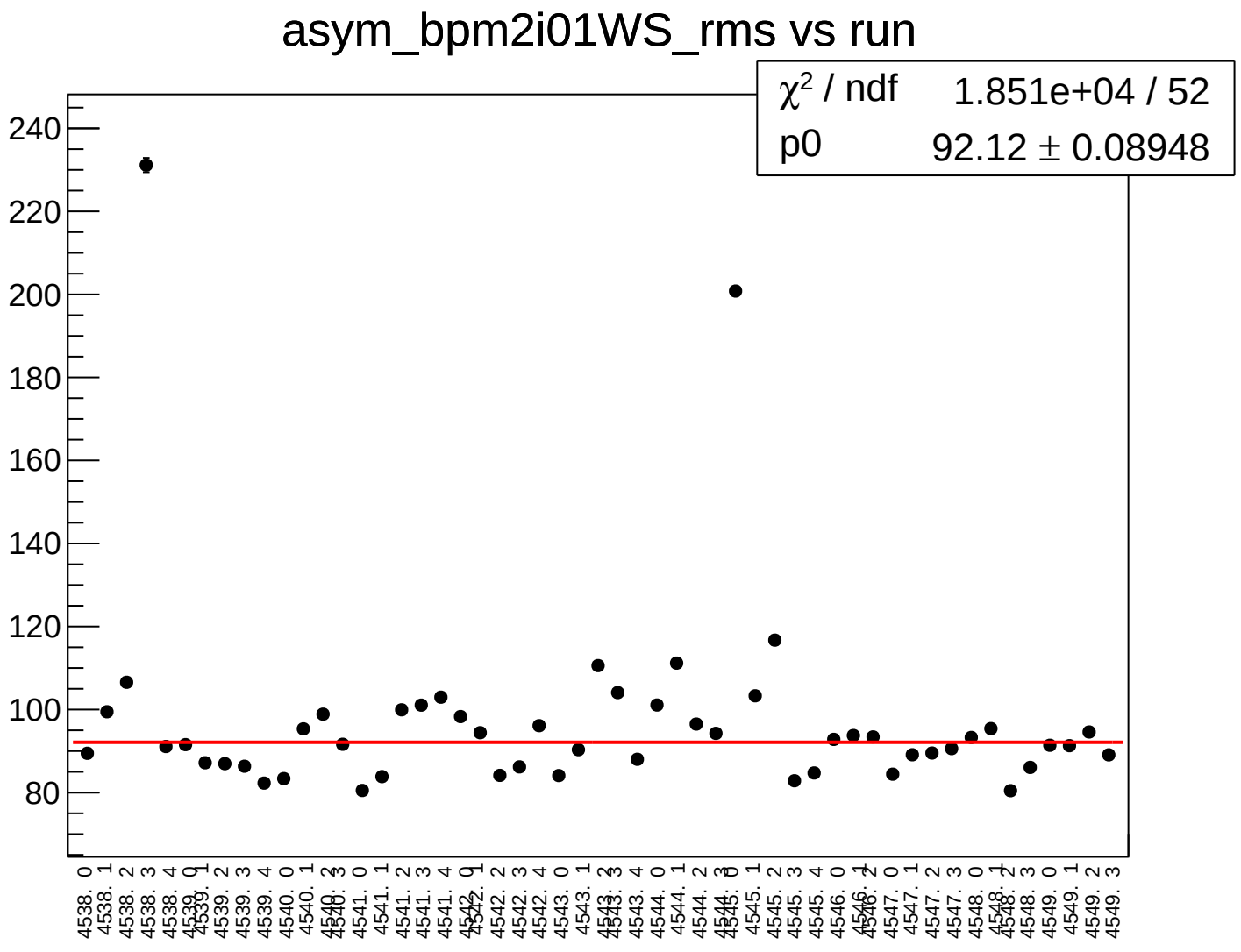

asym_bcm0l02_mean vs run
χ² / ndf 19.09 / 52
p0 −1329 ± 227.1
pull
Entries 53
Mean 246.3
Std Dev 217

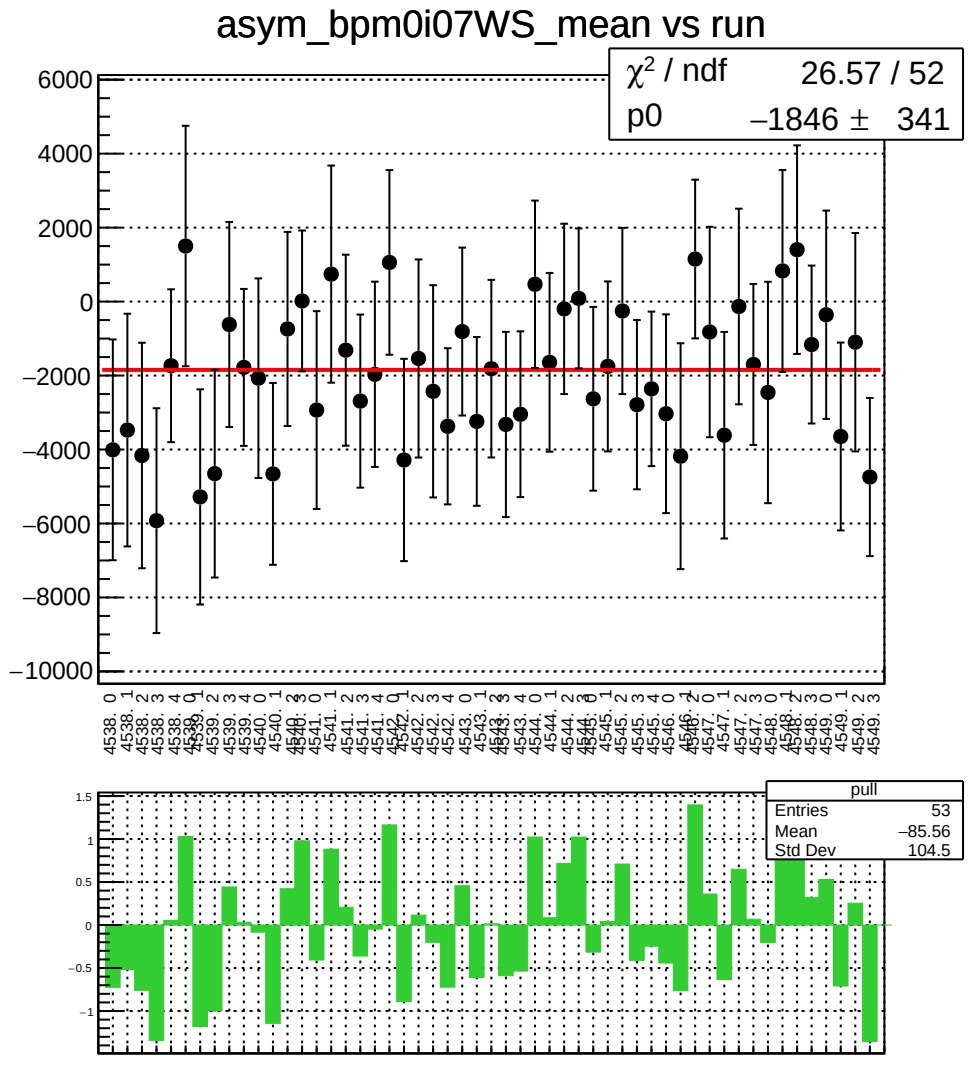

pull1D
Entries 53
Mean −0.008934
Std Dev 0.6

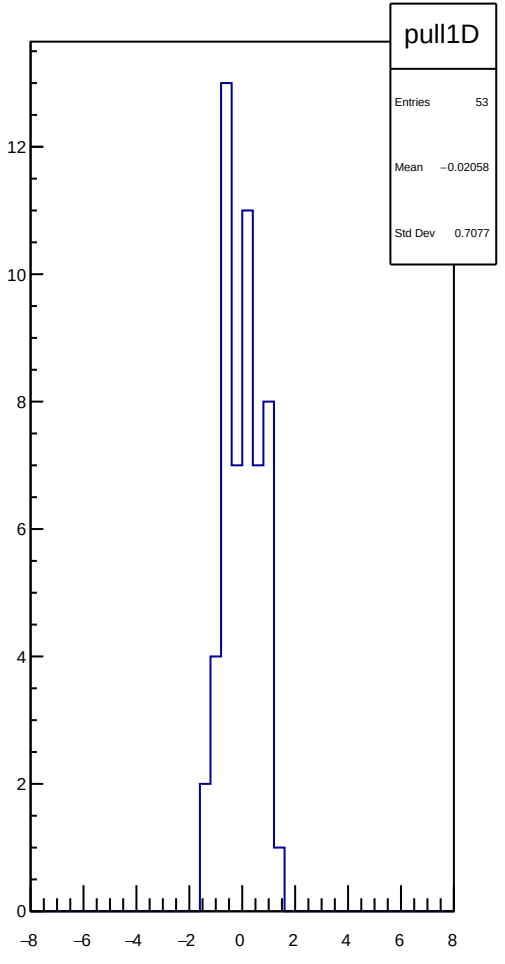

asym_bcm0l02_rms vs run
χ² / ndf 1381 / 52
p0 166.6 ± 0.1606
180
175
170
165
160
155
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

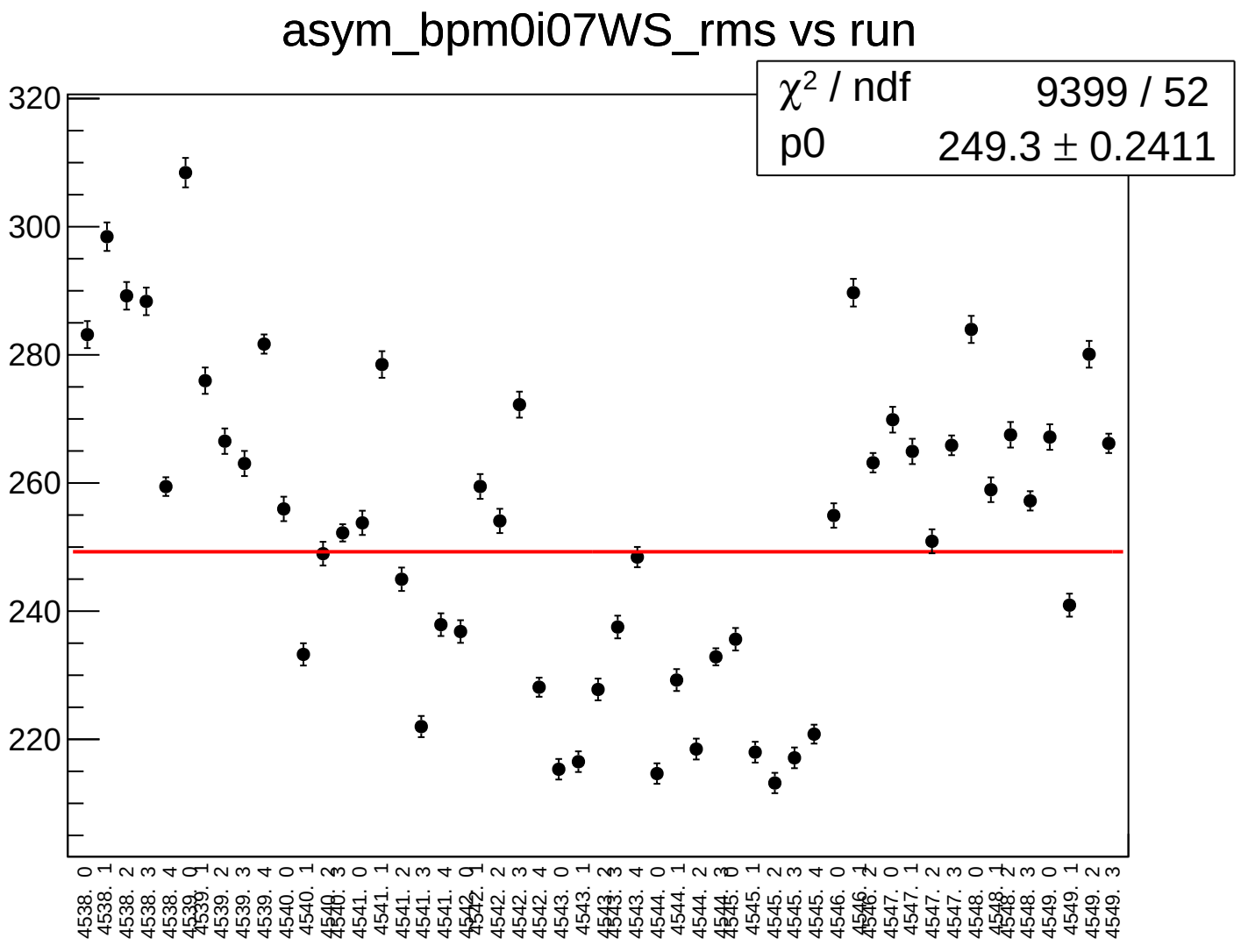

asym_bpm2i01WS_mean vs run
χ^2 / ndf 940.2 / 52
p0 −3.37e+04 ± 126.5
pull
Entries 53
Mean 3.026
Std Dev 25.51

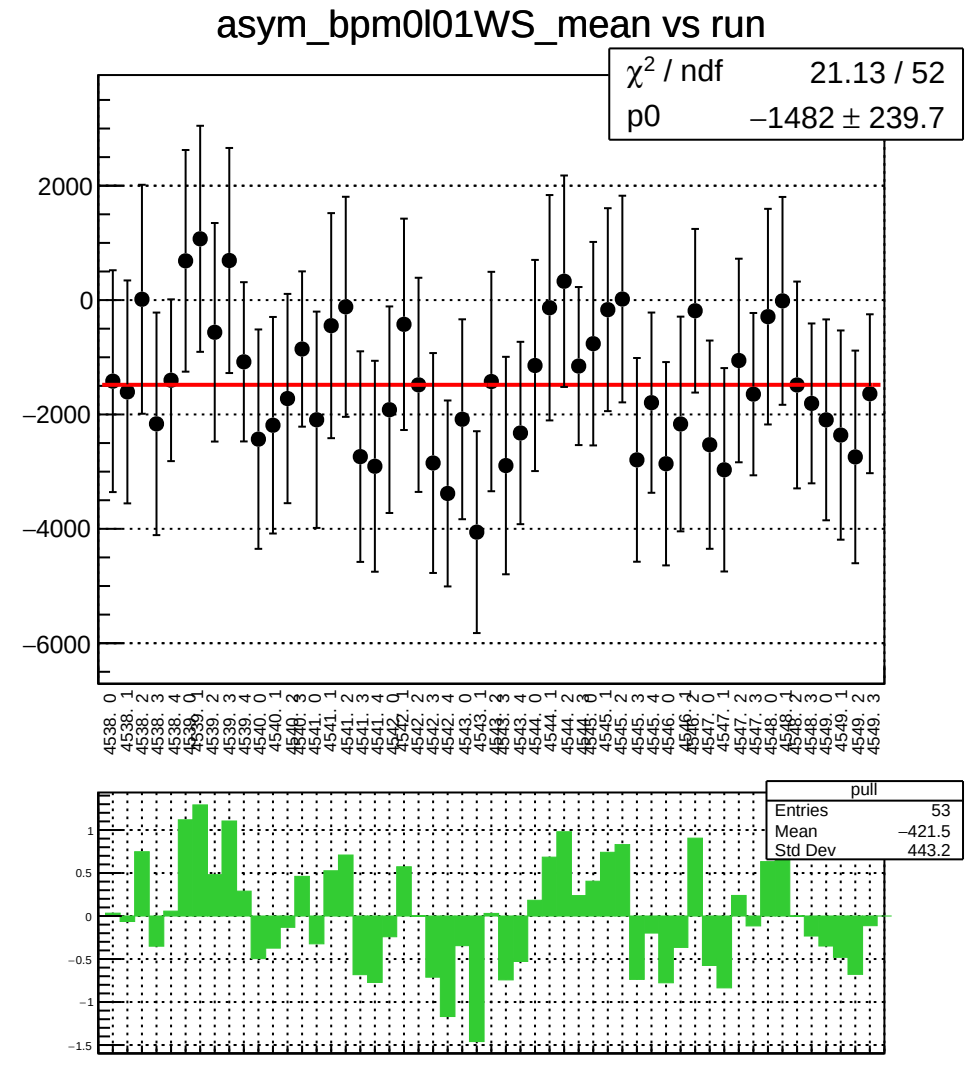

pull1D
Entries 53
Mean −0.3306
Std Dev 2.915

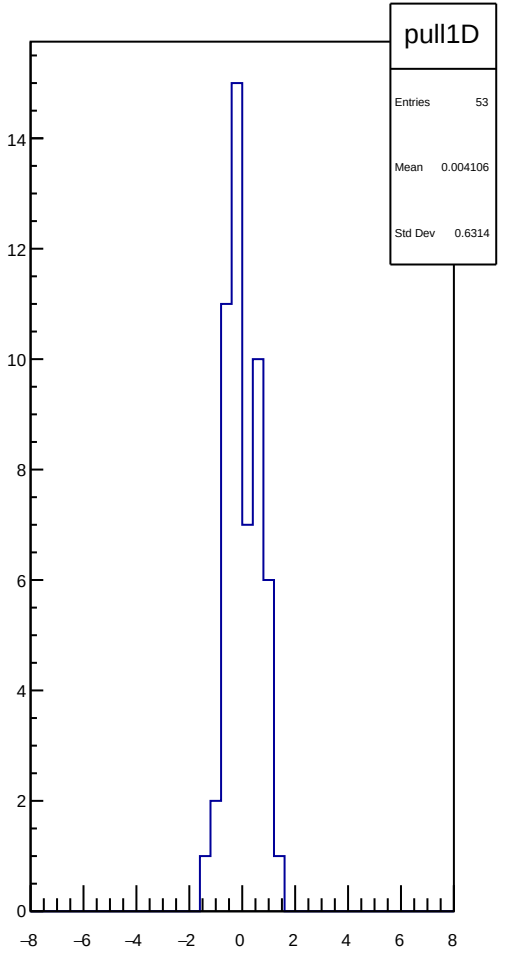

asym_bpm2i01WS_rms vs run
χ² / ndf 1.851e+04 / 52
p0 92.12 ± 0.08948
240
220
200
180
160
140
120
100
80
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

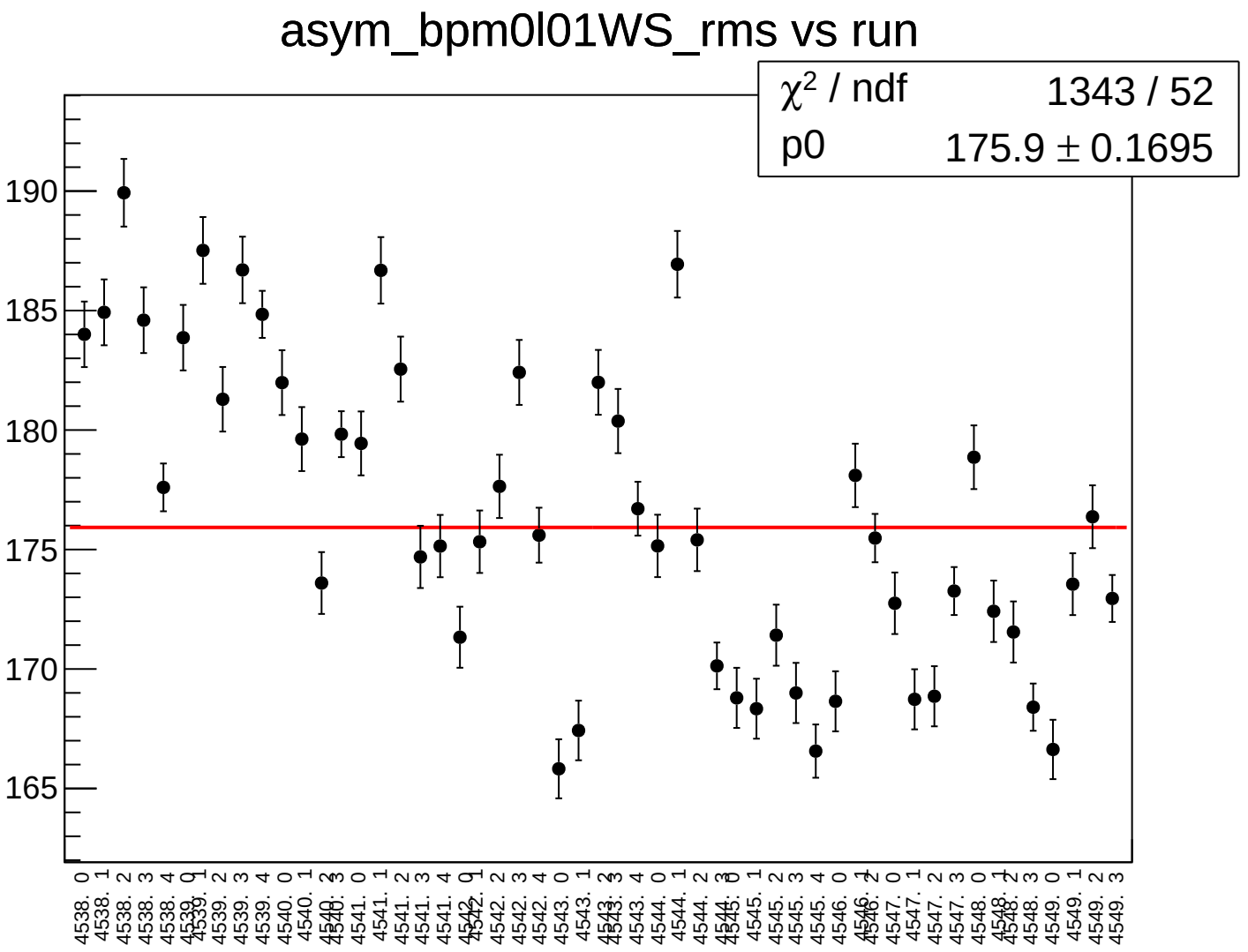

asym_bpm0i07WS_mean vs run
χ² / ndf 26.57 / 52
p0 −1846 ± 341
pull
Entries 53
Mean −85.56
Std Dev 104.5


pull1D
Entries 53
Mean −0.02058
Std Dev 0.7077


asym_bpm0i07WS_rms vs run
χ² / ndf 9399 / 52
p0 249.3 ± 0.2411
320
300
280
260
240
220
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_bpm0l01WS_mean vs run
χ² / ndf 21.13 / 52
p0 −1482 ± 239.7
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −421.5
Std Dev 443.2
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean 0.004106
Std Dev 0.6314
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0l01WS_rms vs run
χ² / ndf 1343 / 52
p0 175.9 ± 0.1695
190
185
180
175
170
165
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
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4541. 3
4541. 4
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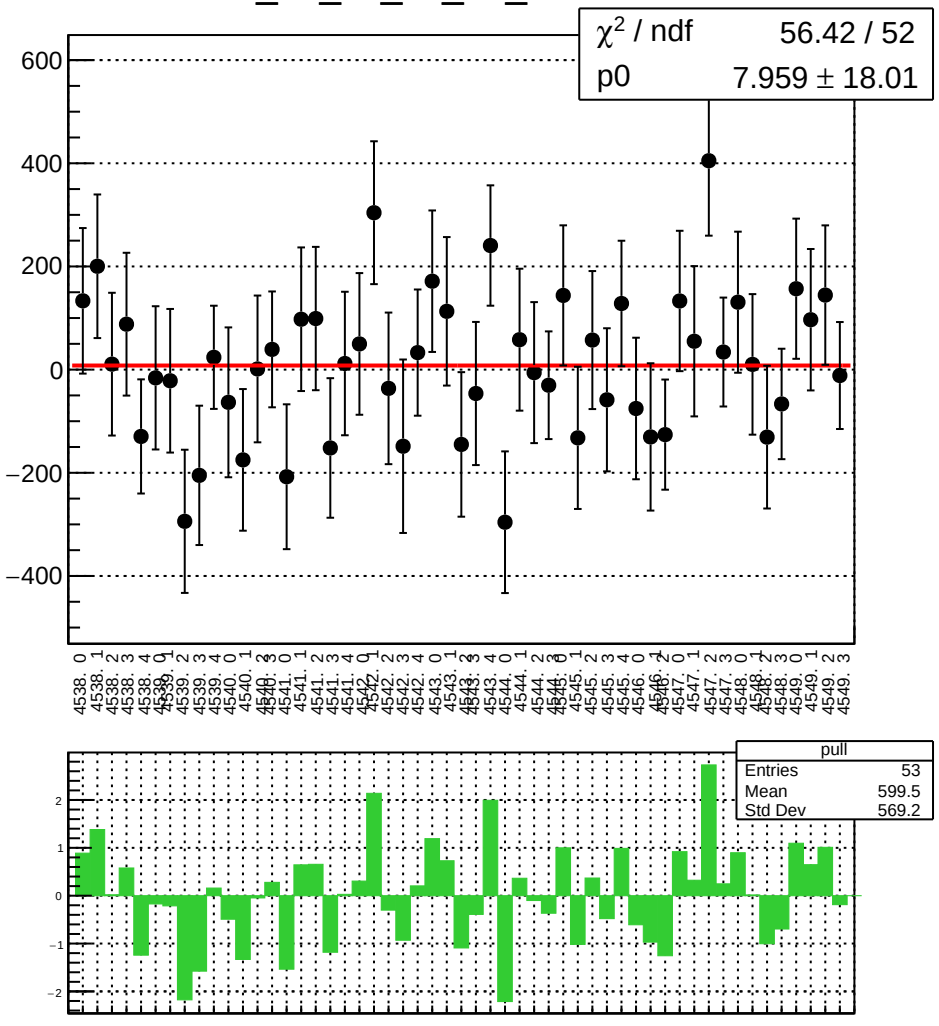
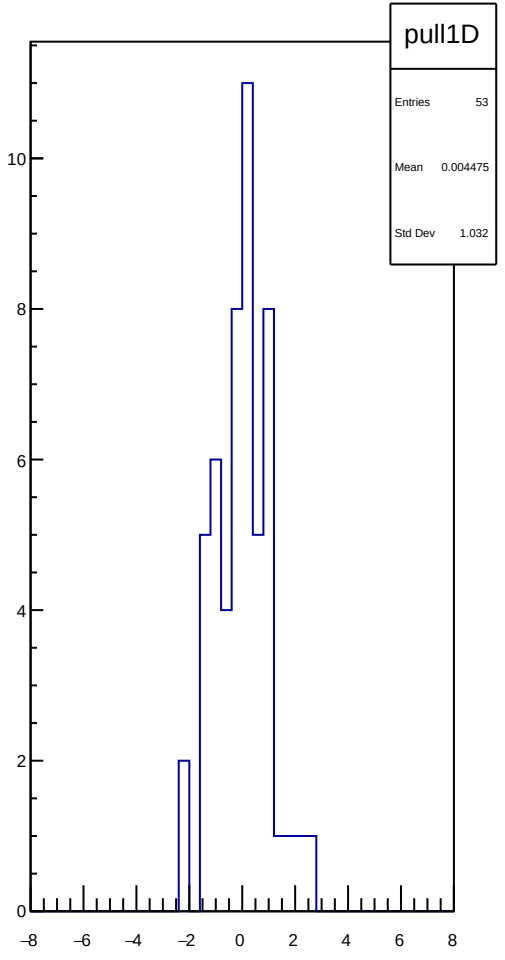
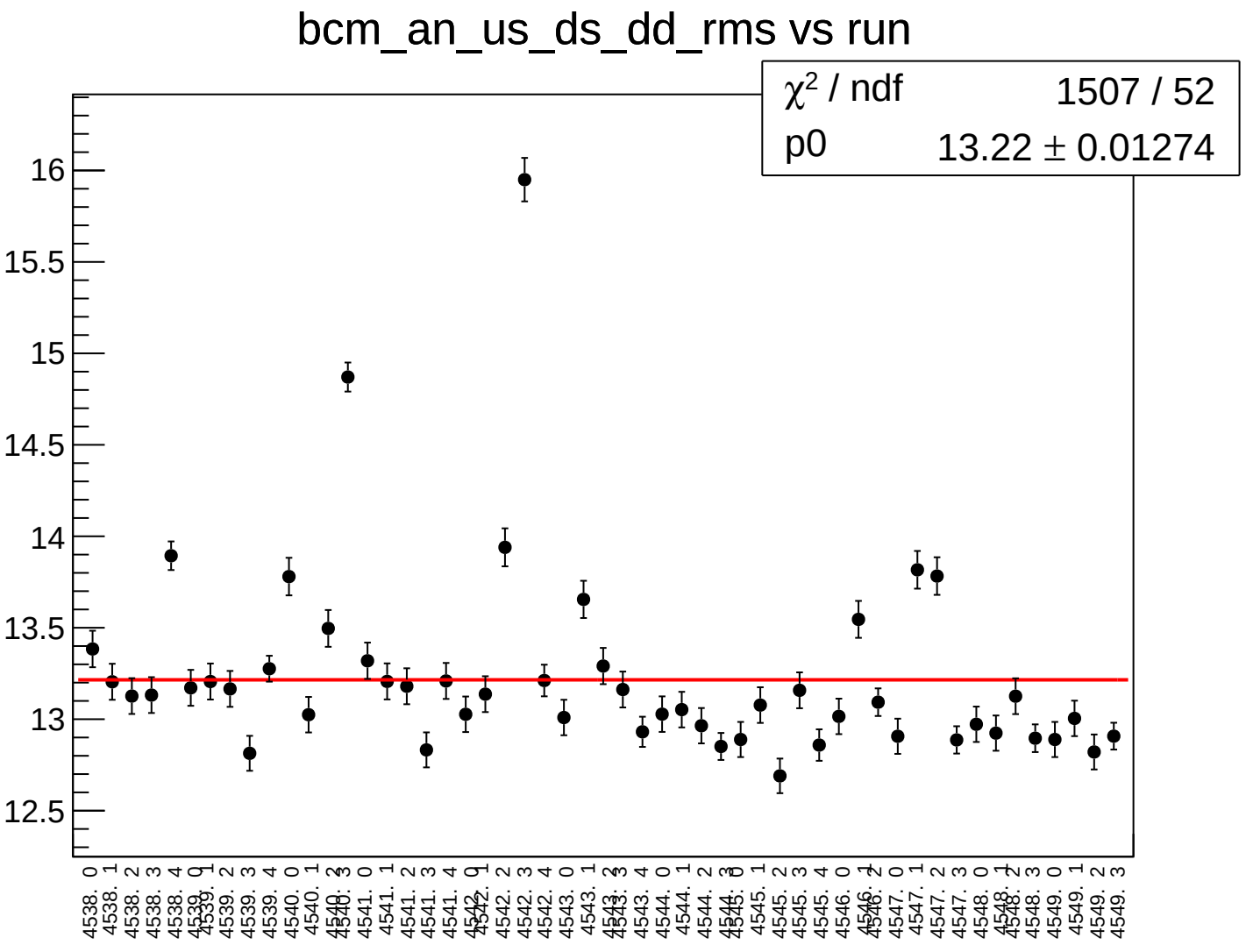
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


bcm_an_us_ds_dd_mean vs run
χ² / ndf 56.42 / 52
p0 7.959 ± 18.01
pull
Entries 53
Mean 599.5
Std Dev 569.2


pull1D
Entries 53
Mean 0.004475
Std Dev 1.032


bcm_an_us_ds_dd_rms vs run
χ² / ndf 1507 / 52
p0 13.22 ± 0.01274
16
15.5
15
14.5
14
13.5
13
12.5
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
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4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
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4547. 3
4548. 0
4548. 1
4548. 2
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4549. 0
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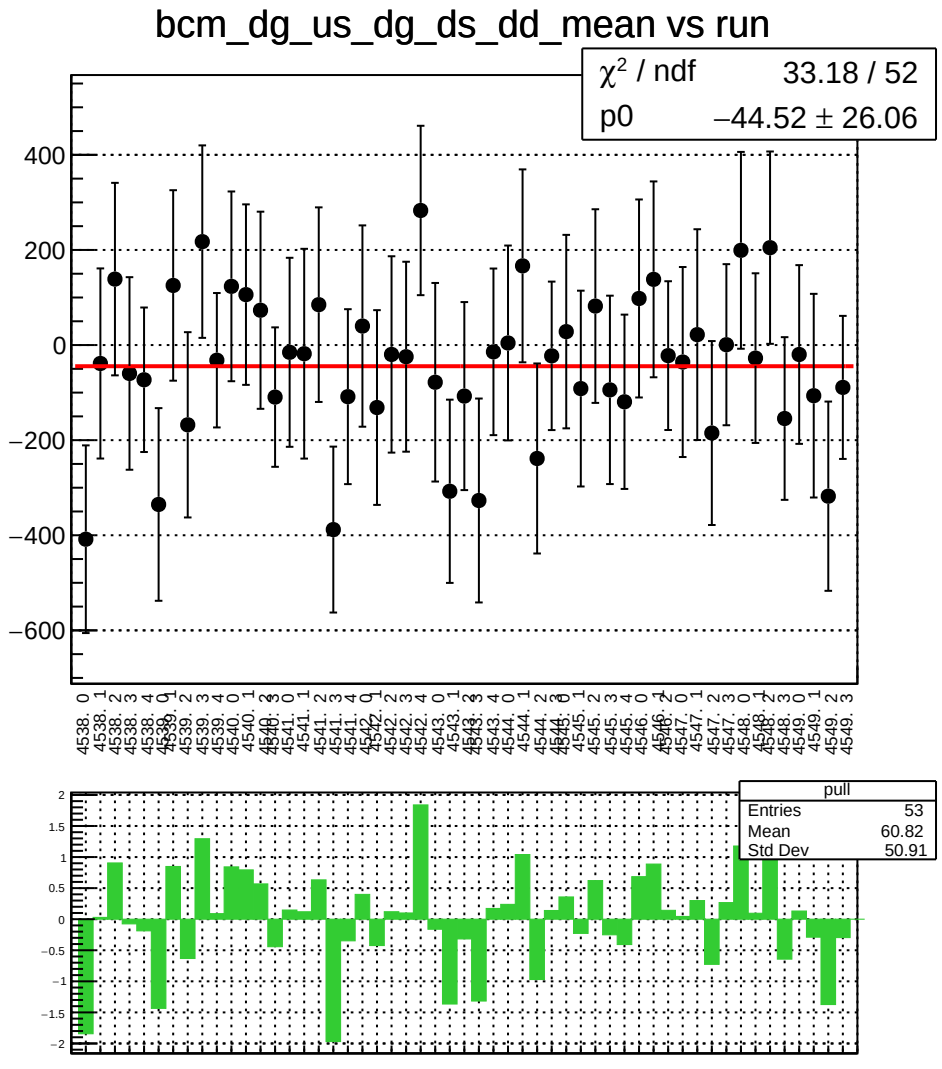
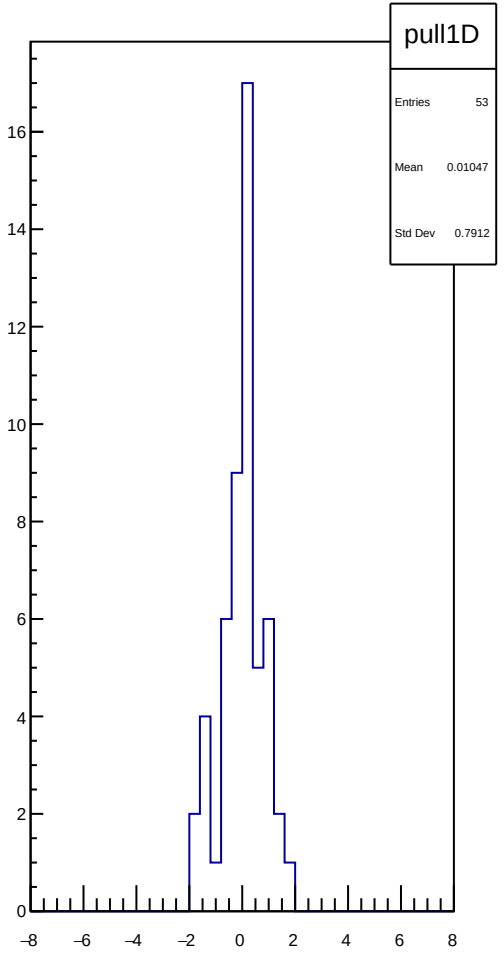
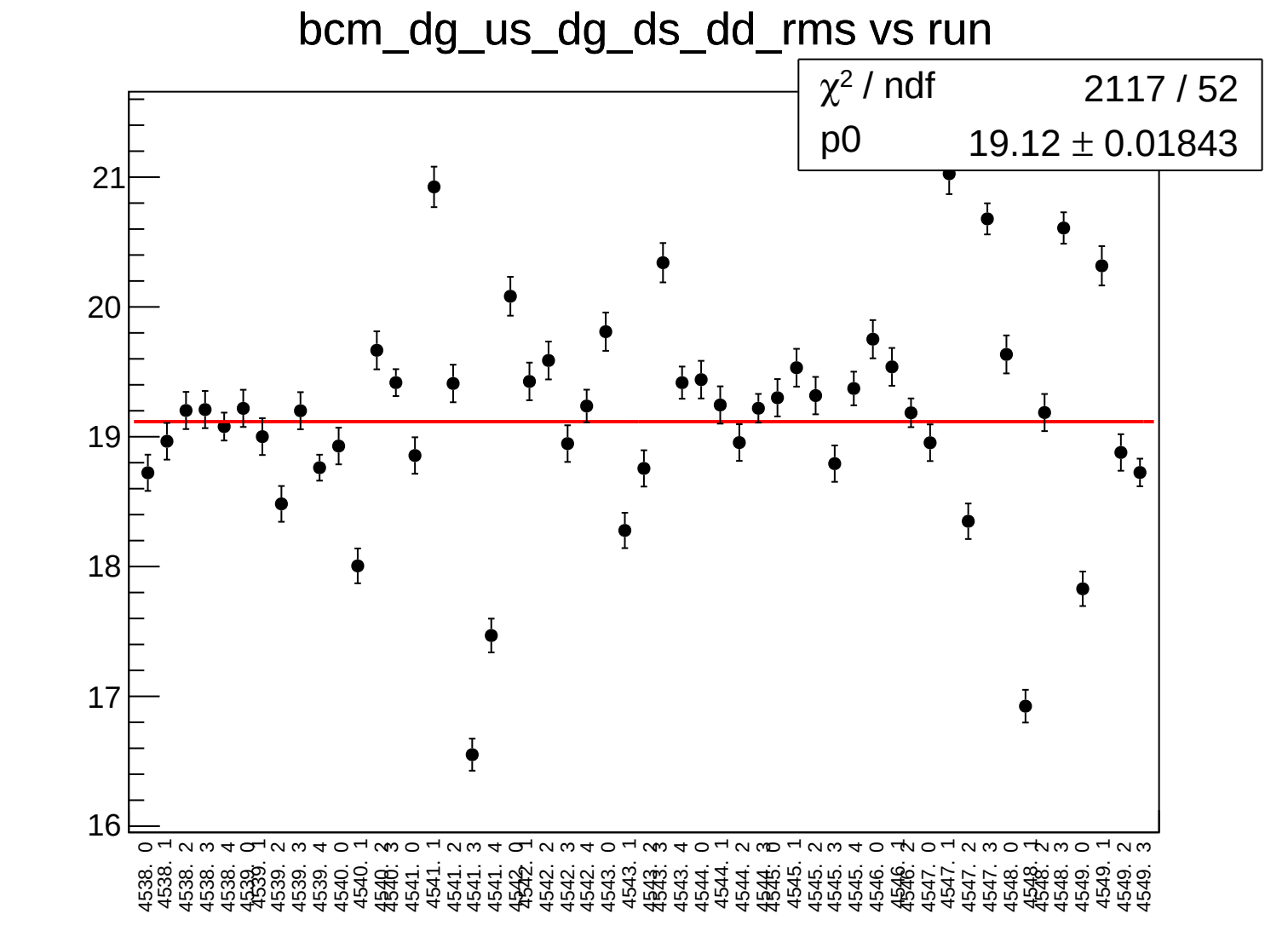
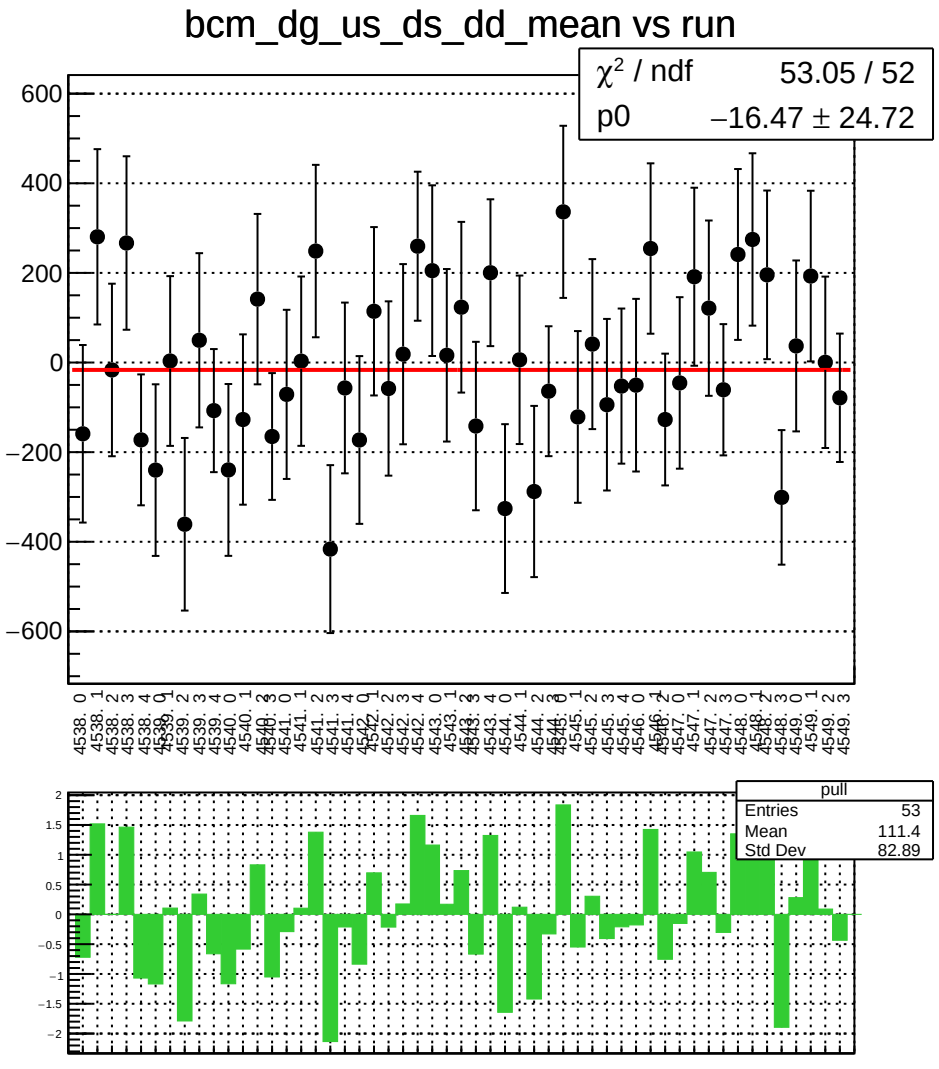
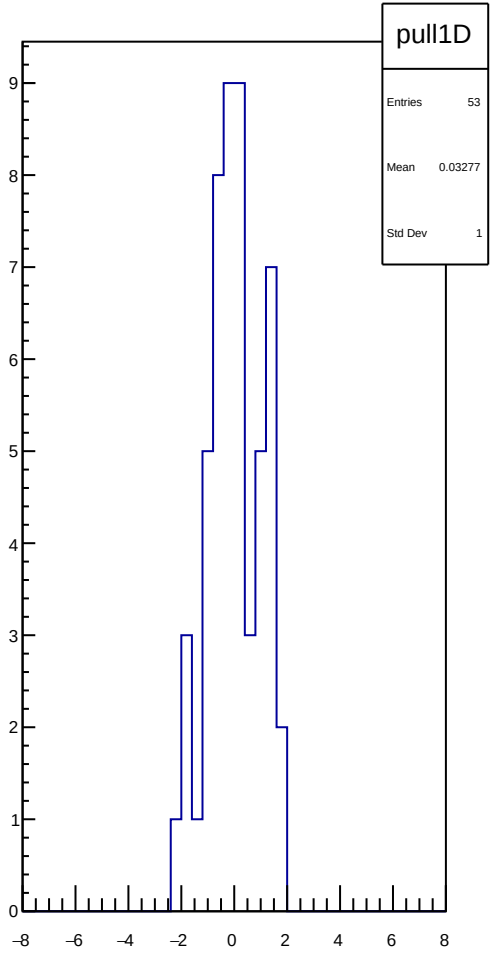
4549. 2
4549. 3

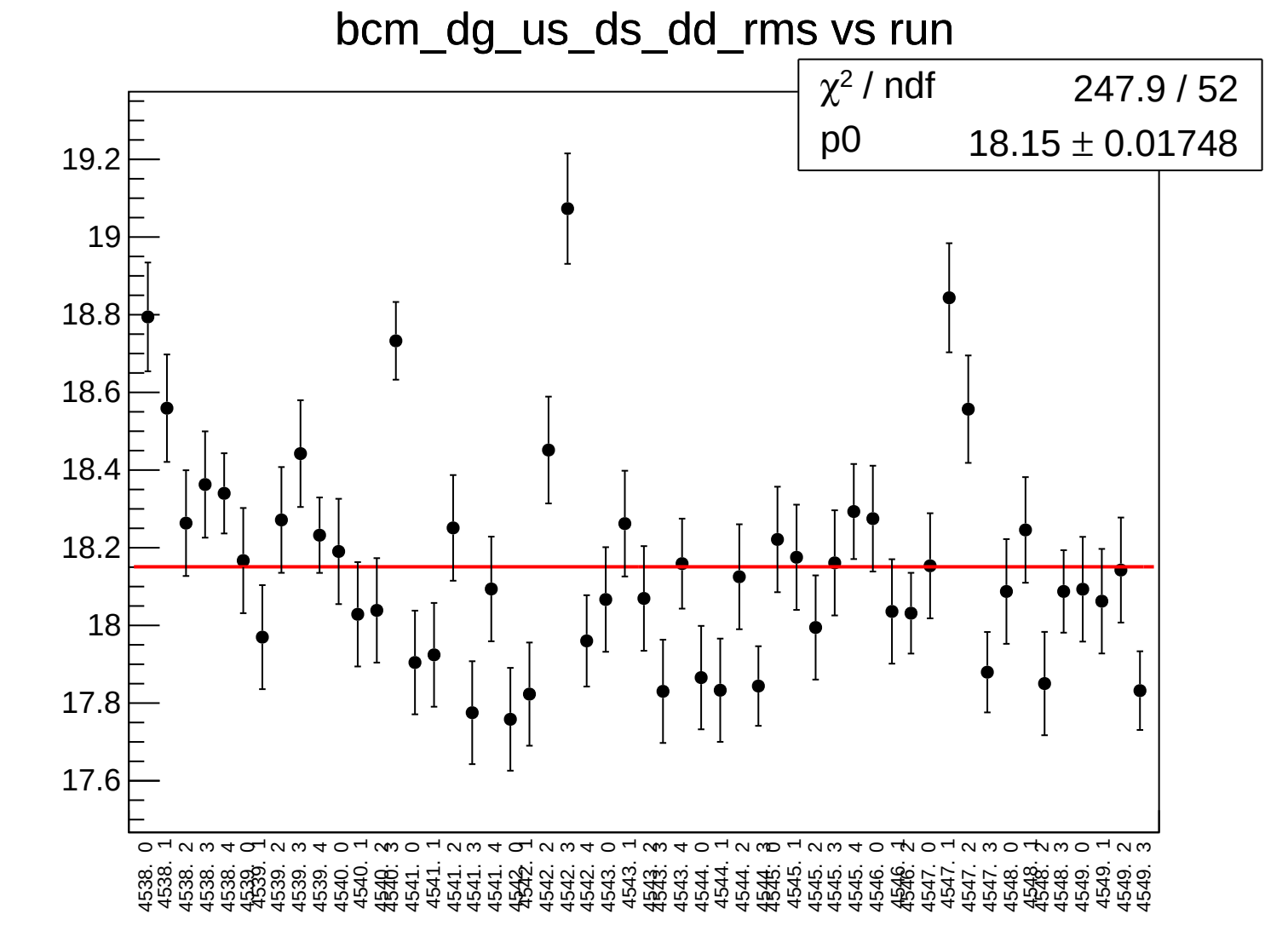

bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 33.18 / 52
p0 −44.52 ± 26.06
pull
Entries 53
Mean 60.82
Std Dev 50.91

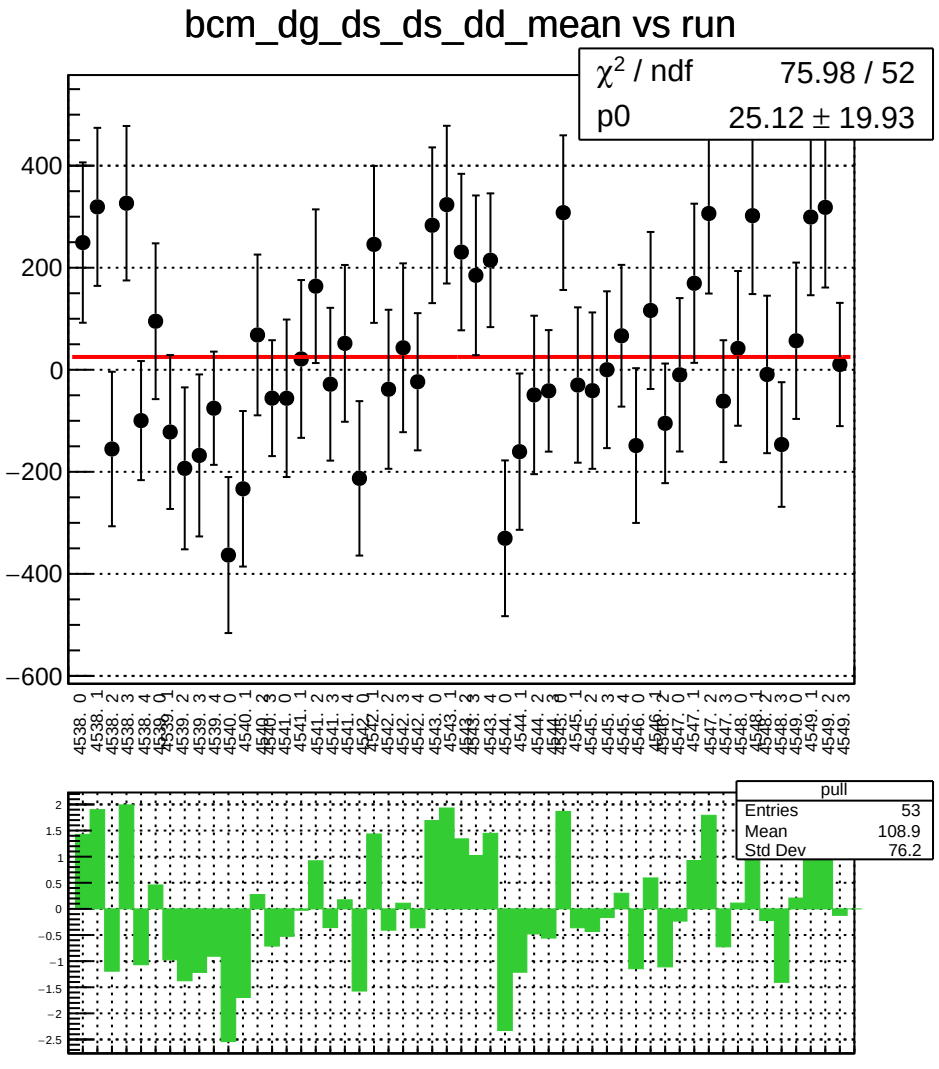

pull1D
Entries 53
Mean 0.01047
Std Dev 0.7912

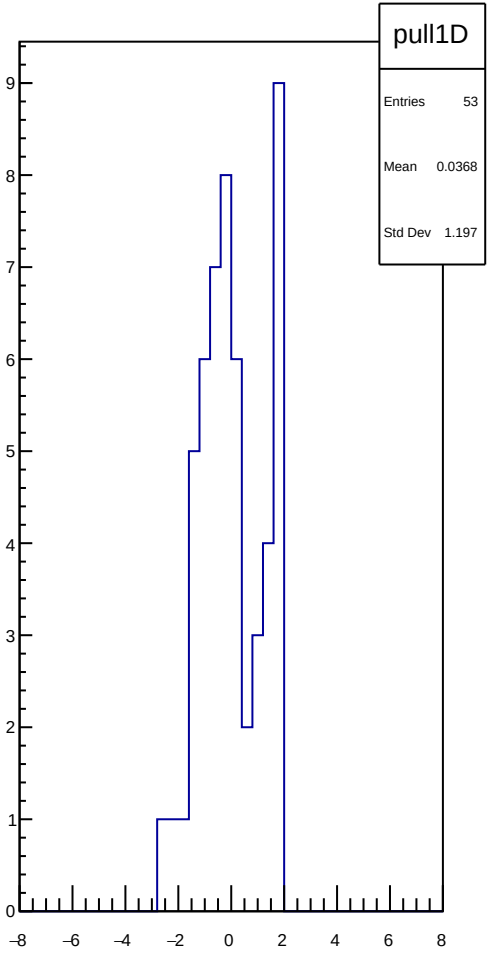

bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 2117 / 52
p0 19.12 ± 0.01843
21
20
19
18
17
16
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

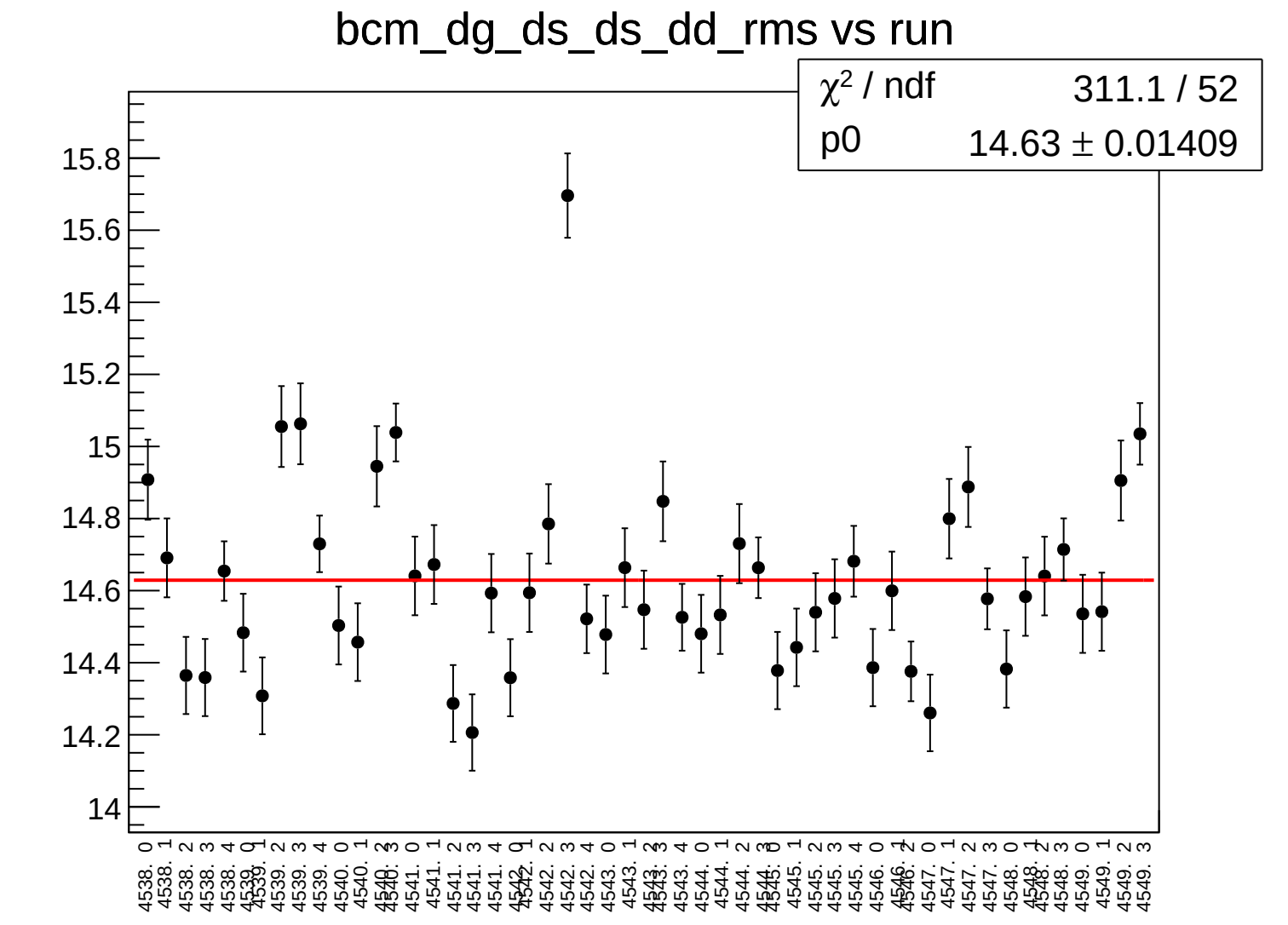

bcm_dg_us_ds_dd_mean vs run
χ² / ndf 53.05 / 52
p0 −16.47 ± 24.72
pull
Entries 53
Mean 111.4
Std Dev 82.89

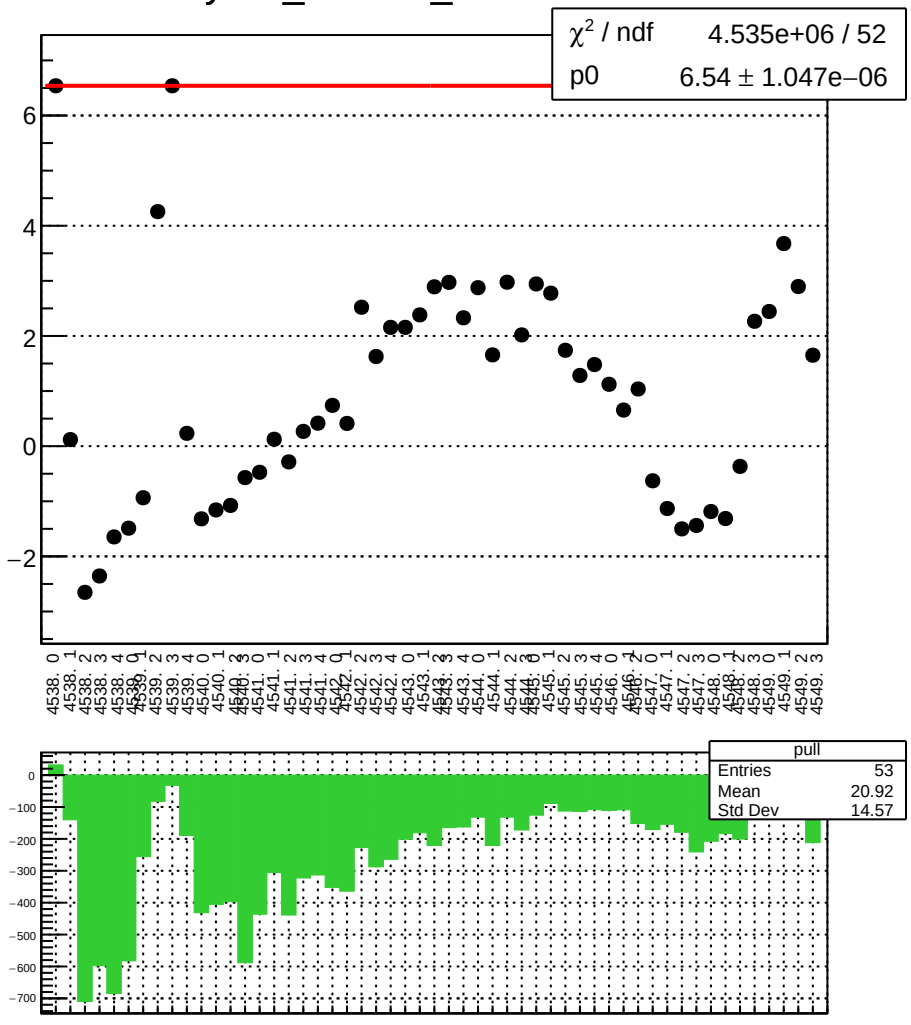

pull1D
Entries 53
Mean 0.03277
Std Dev 1

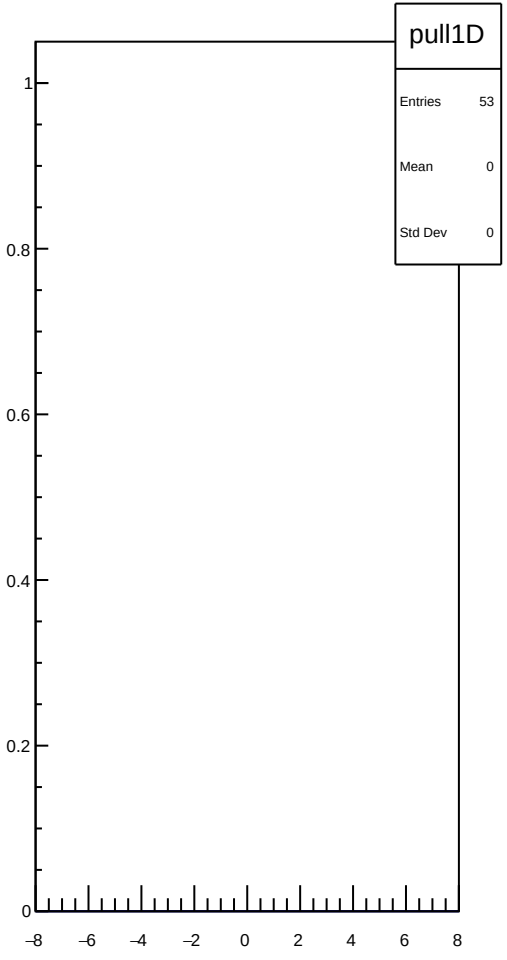

bcm_dg_us_ds_dd_rms vs run
χ² / ndf 247.9 / 52
p0 18.15 ± 0.01748
19.2
19
18.8
18.6
18.4
18.2
18
17.8
17.6
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

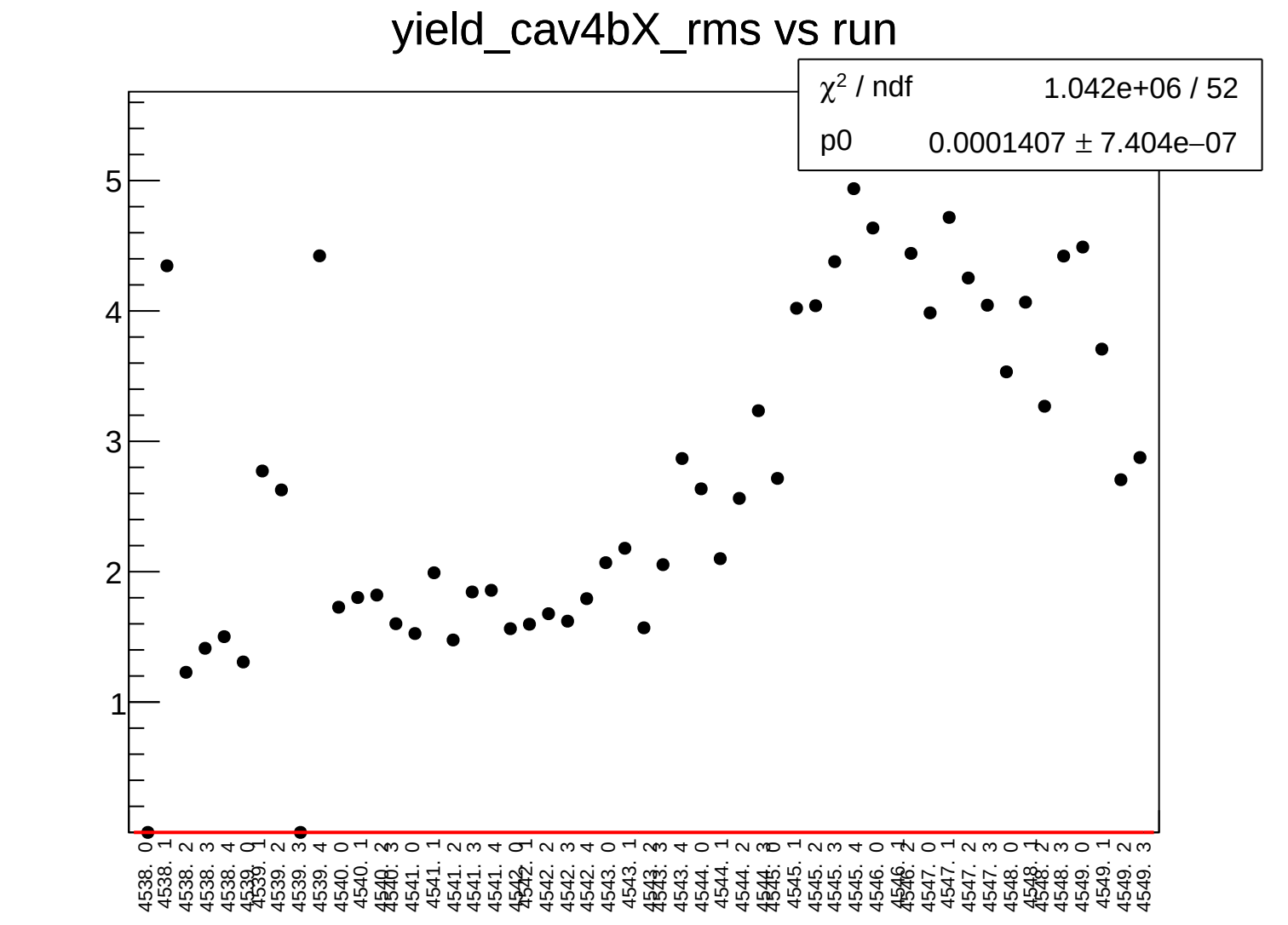

bcm_dg_ds_ds_dd_mean vs run
χ² / ndf 75.98 / 52
p0 25.12 ± 19.93
pull
Entries 53
Mean 108.9
Std Dev 76.2

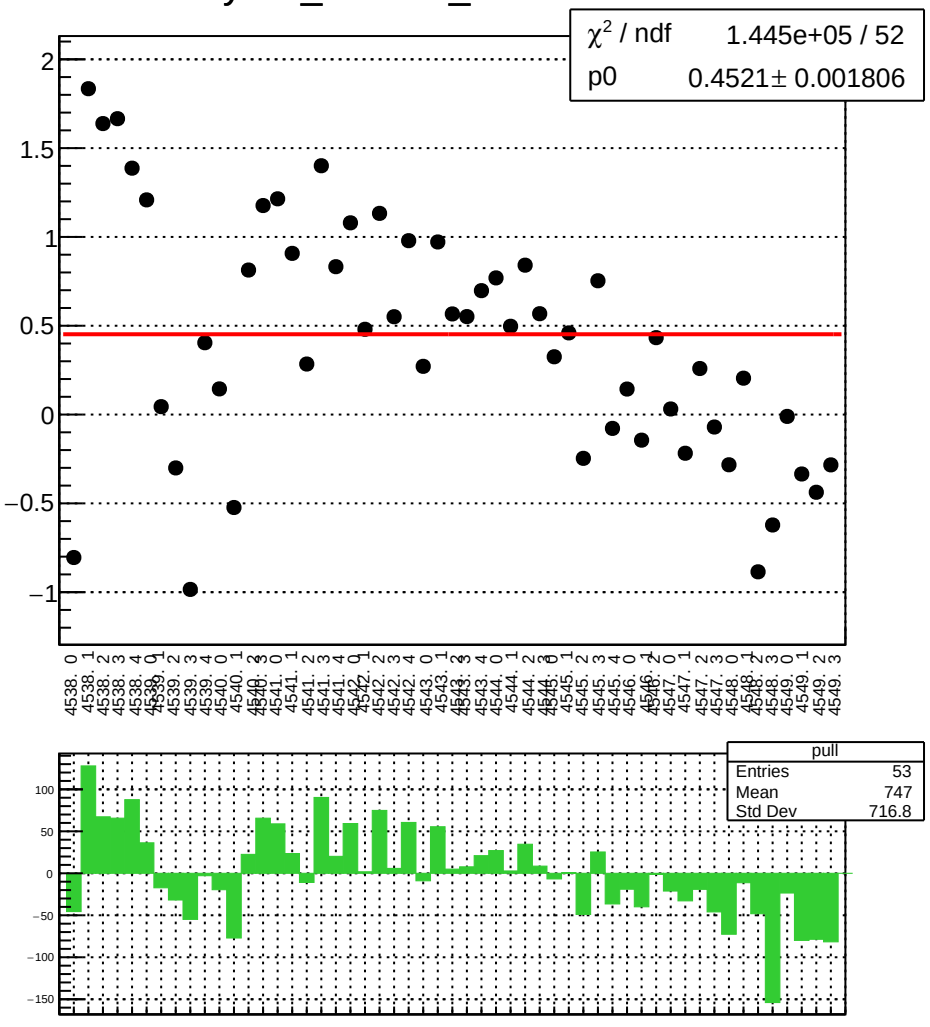

pull1D
Entries 53
Mean 0.0368
Std Dev 1.197

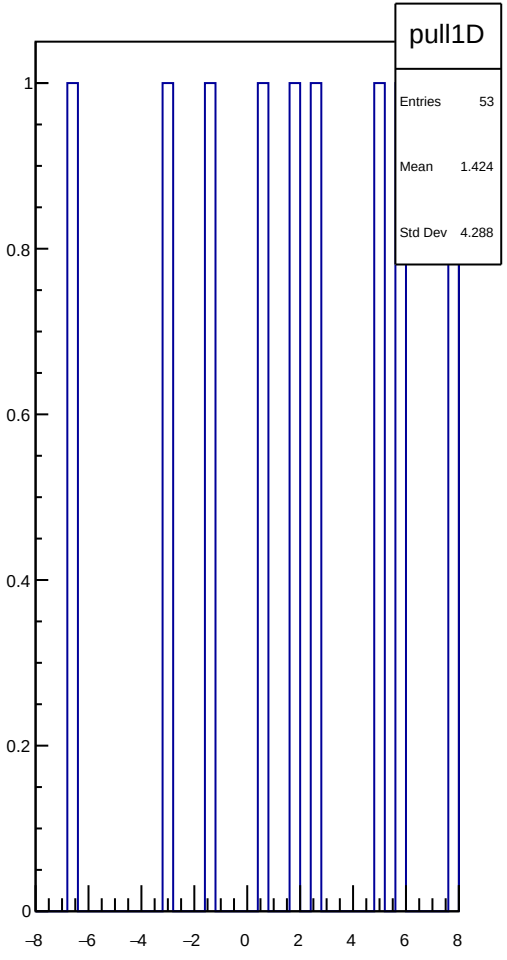

bcm_dg_ds_ds_dd_rms vs run
χ² / ndf 311.1 / 52
p0 14.63 ± 0.01409
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
14.2
14
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

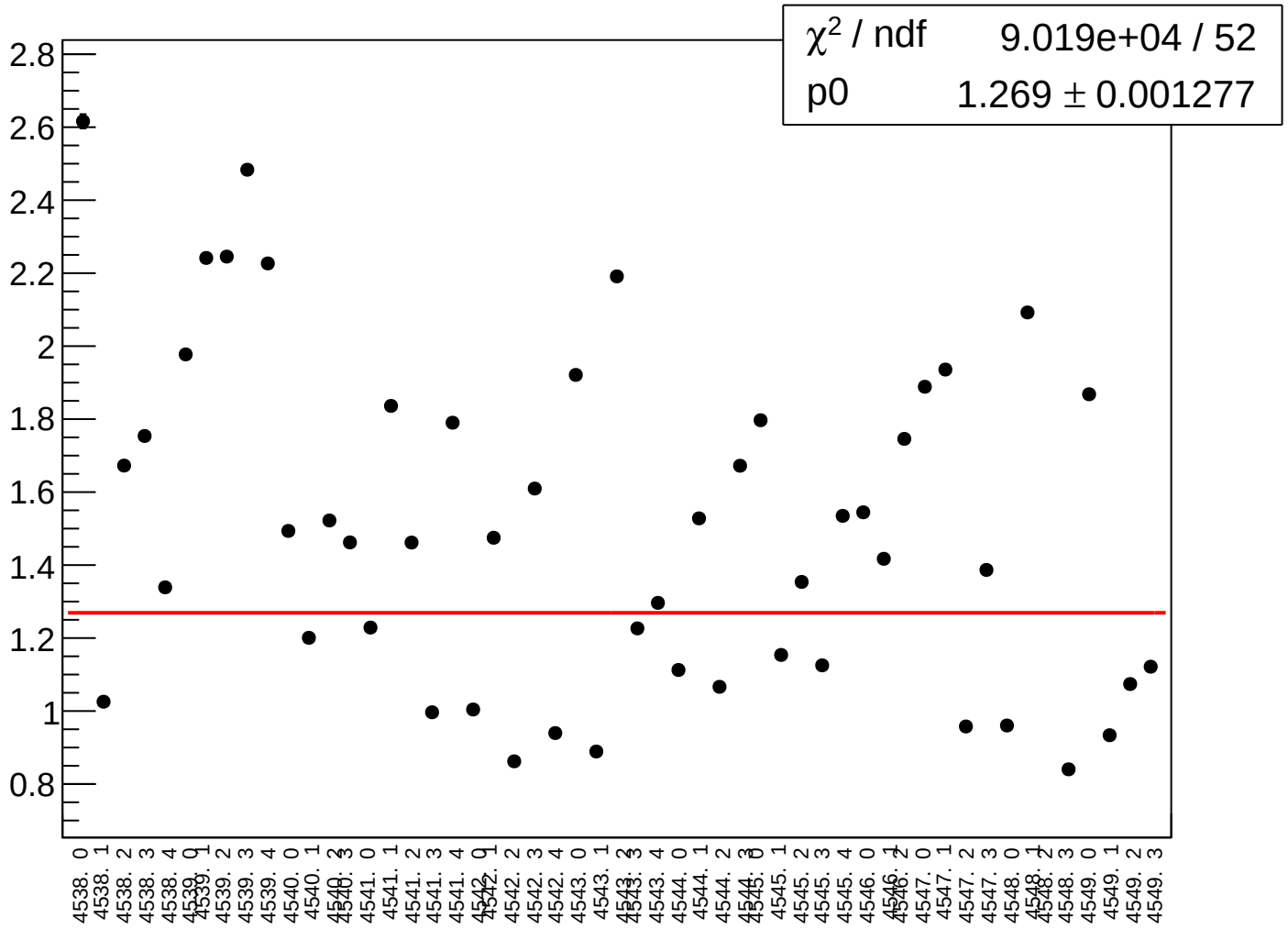

yield_cav4bX_mean vs run
χ² / ndf 4.535e+06 / 52
p0 6.54 ± 1.047e−06
pull
Entries 53
Mean 20.92
Std Dev 14.57

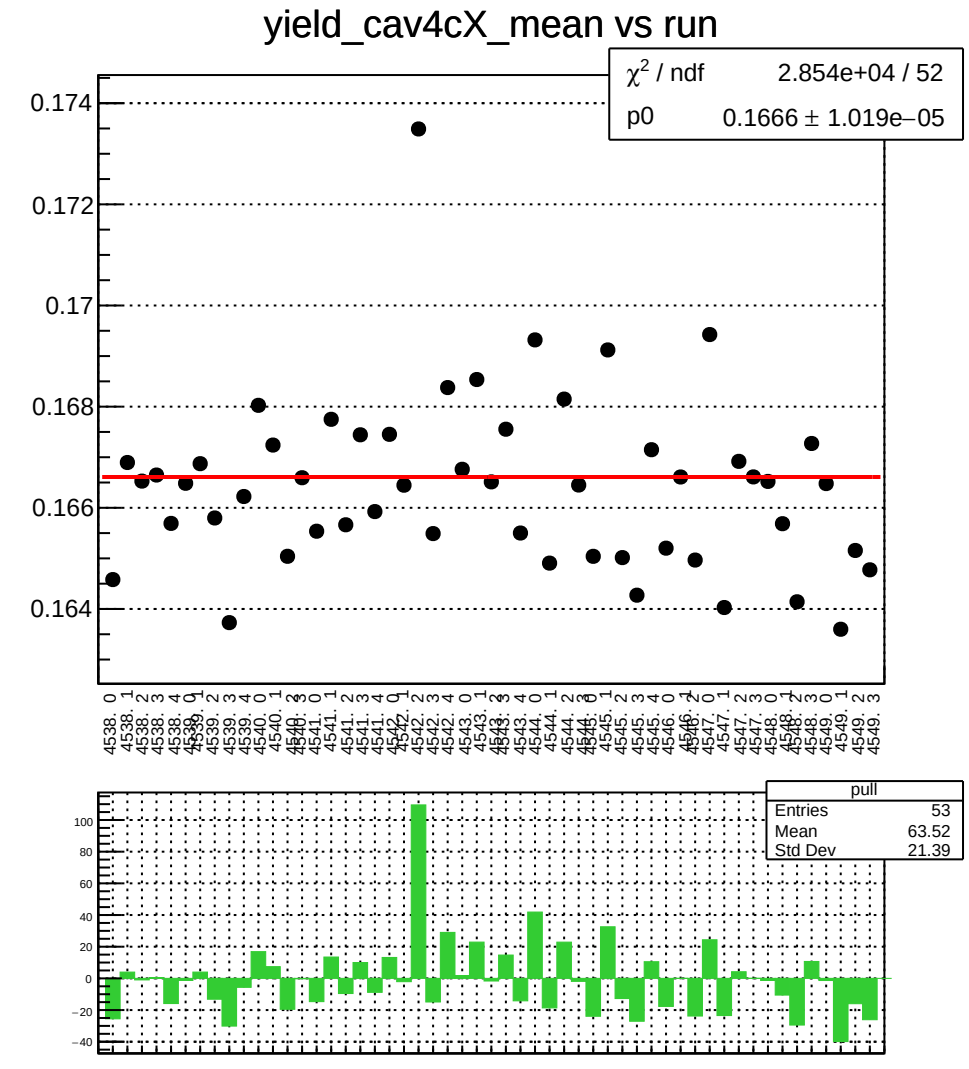

pull1D
Entries 53
Mean 0
Std Dev 0

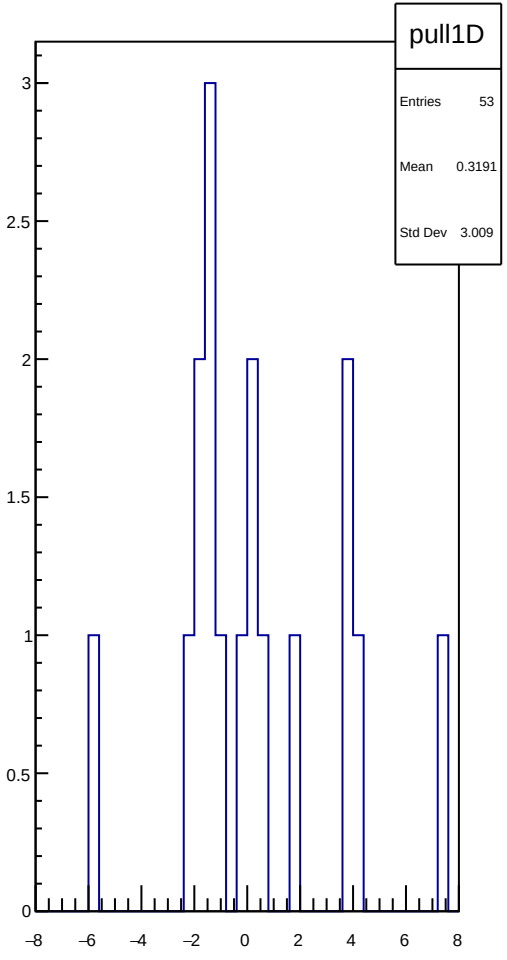

yield_cav4bX_rms vs run
χ² / ndf 1.042e+06 / 52
p0 0.0001407 ± 7.404e−07
5
4
3
2
1
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

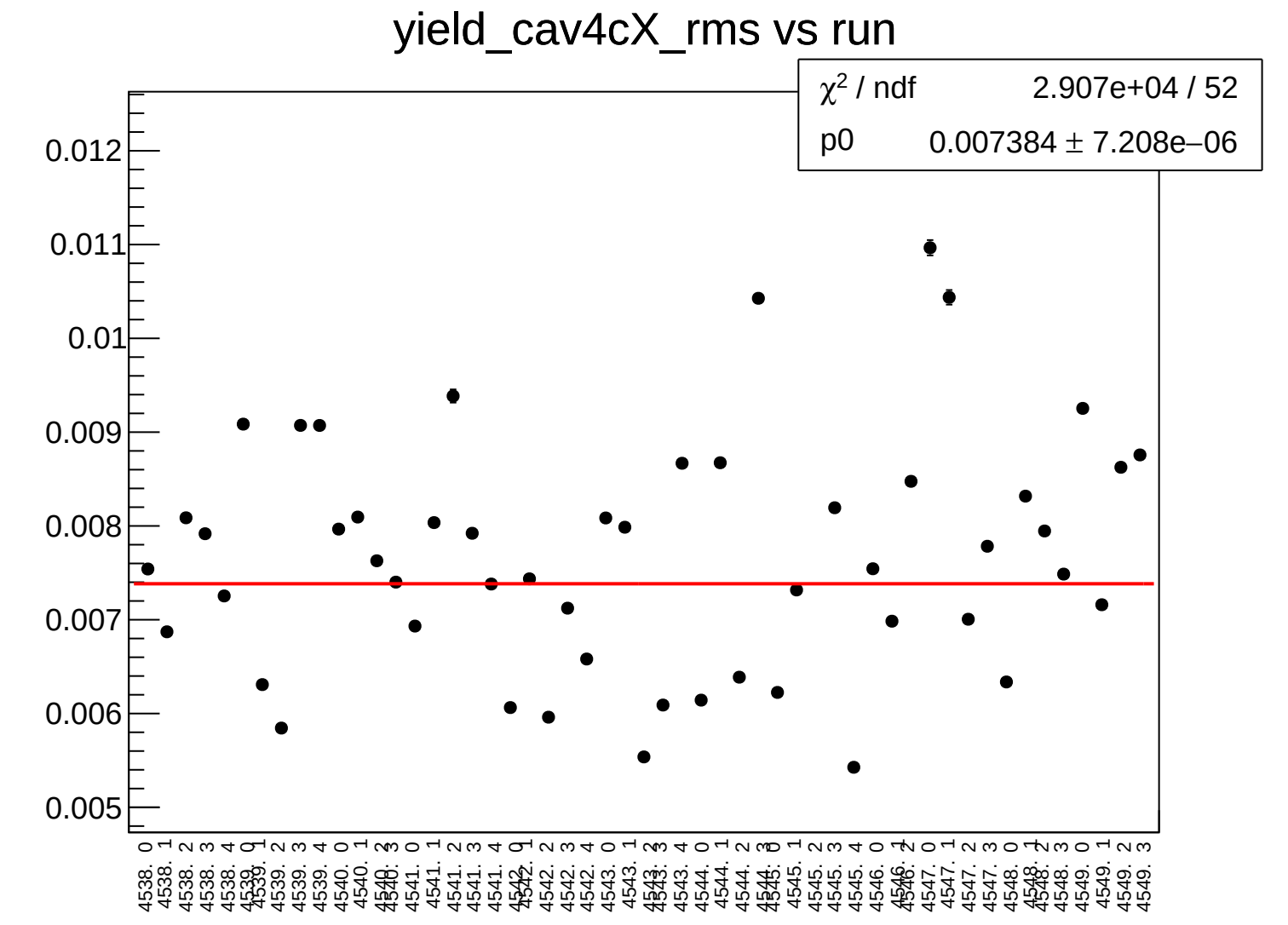

yield_cav4bY_mean vs run
χ² / ndf 1.445e+05 / 52
p0 0.4521± 0.001806
pull
Entries 53
Mean 747
Std Dev 716.8

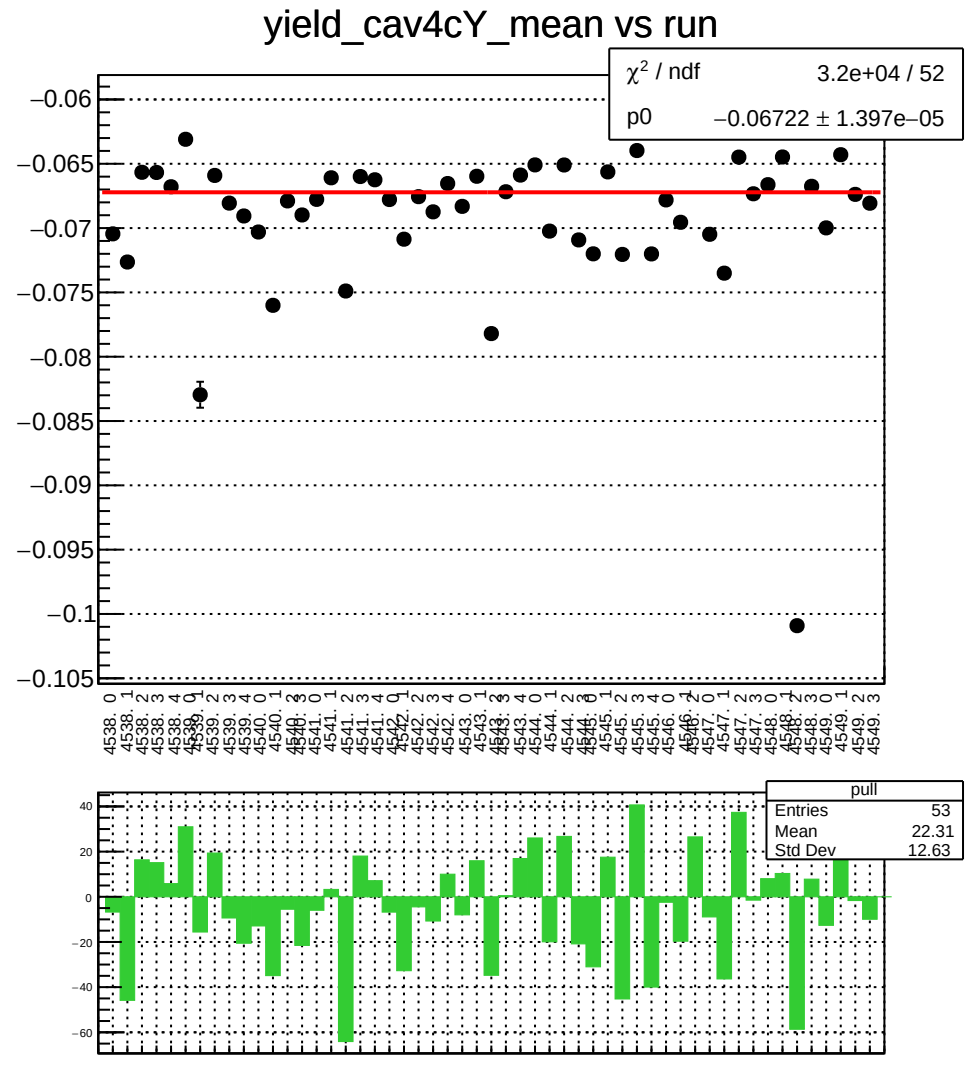

pull1D
Entries 53
Mean 1.424
Std Dev 4.288

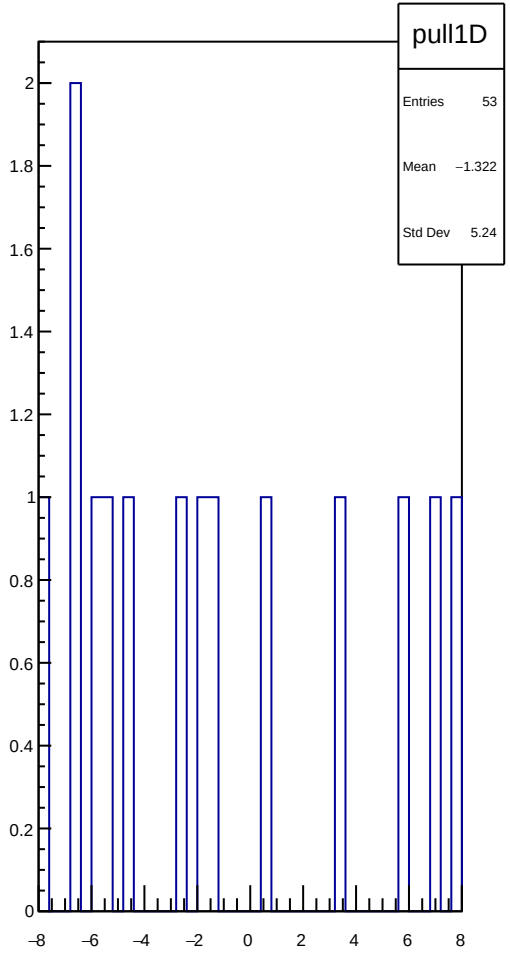

yield_cav4bY_rms vs run
χ^2 / ndf 9.019e+04 / 52
p0 1.269 ± 0.001277
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

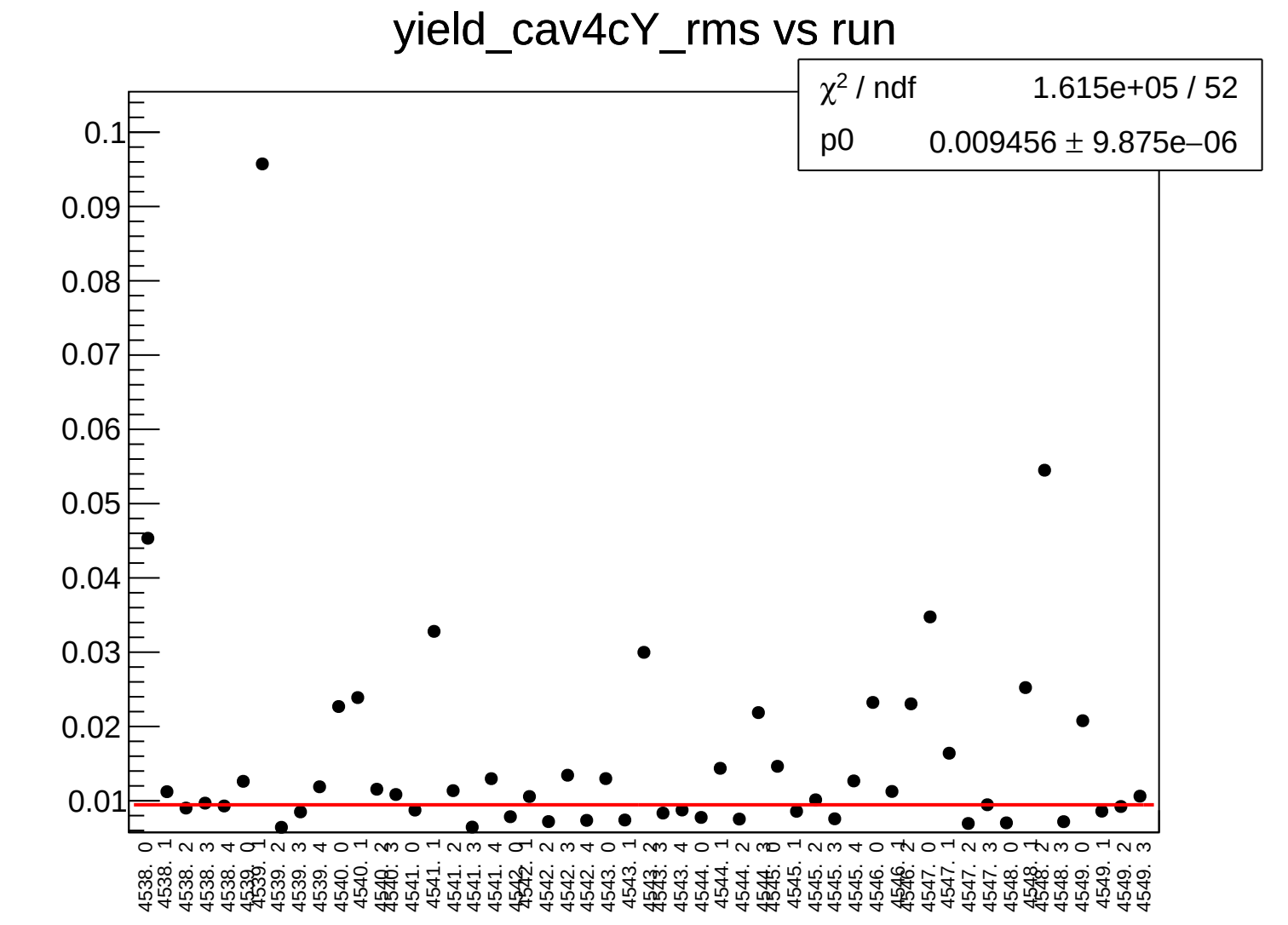

yield_cav4cX_mean vs run
χ² / ndf 2.854e+04 / 52
p0 0.1666 ± 1.019e−05
0.174
0.172
0.17
0.168
0.166
0.164
pull
Entries 53
Mean 63.52
Std Dev 21.39
100
80
60
40
20
0
−20
−40

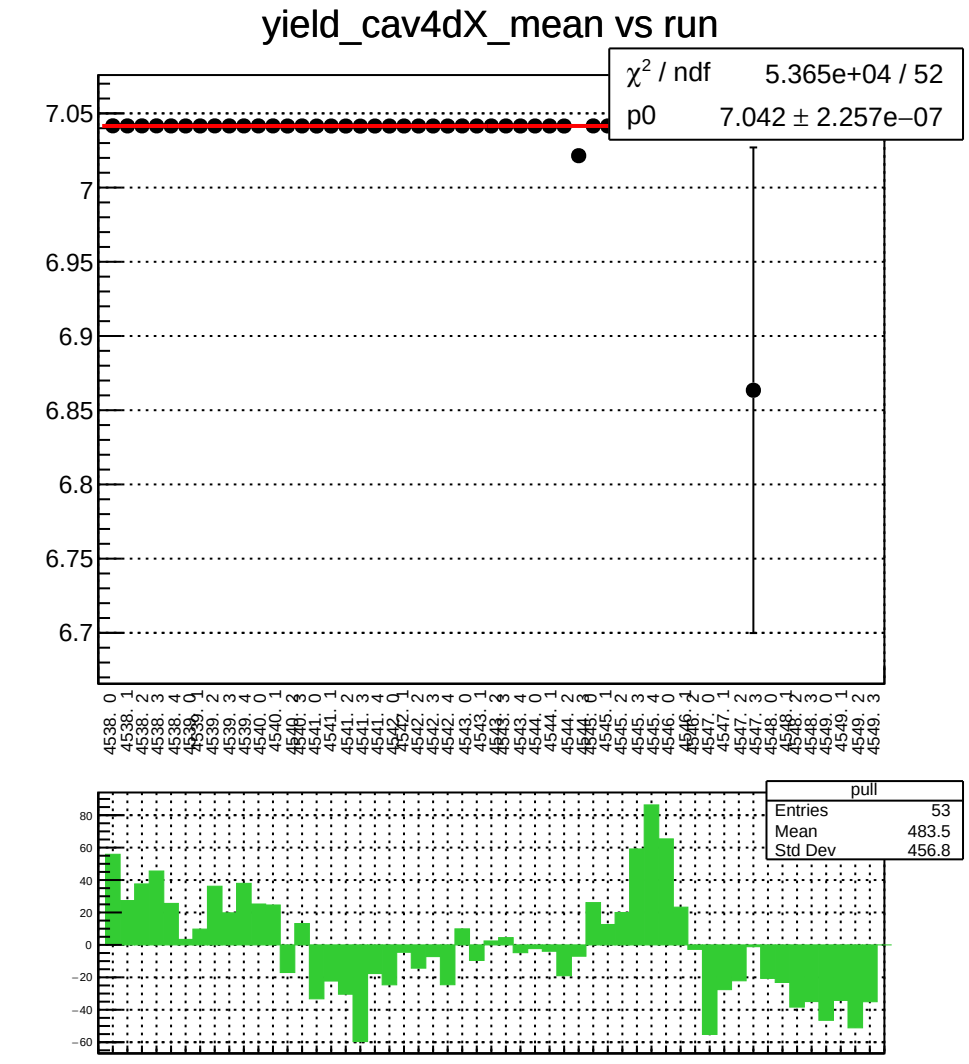

pull1D
Entries 53
Mean 0.3191
Std Dev 3.009
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

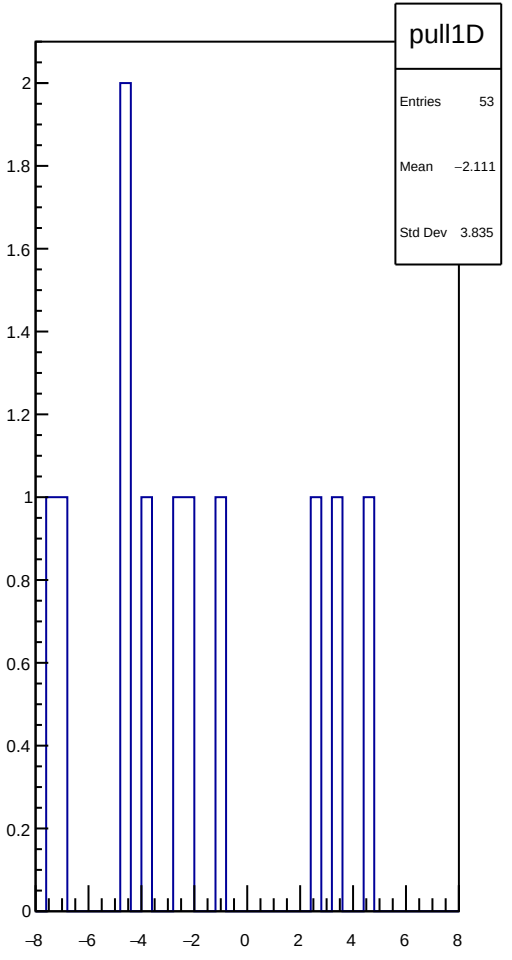

yield_cav4cX_rms vs run
χ² / ndf 2.907e+04 / 52
p0 0.007384 ± 7.208e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

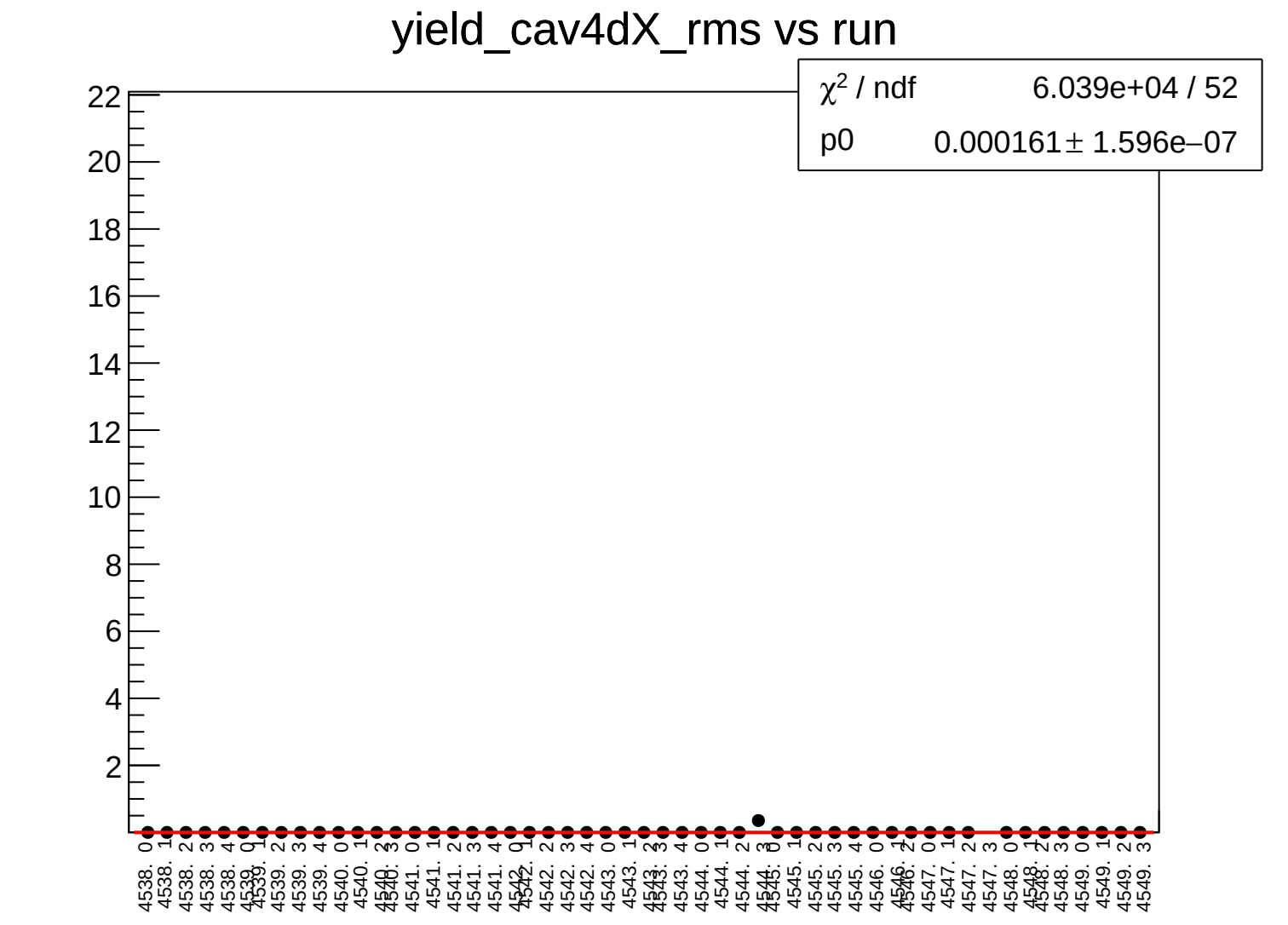

yield_cav4cY_mean vs run
χ² / ndf 3.2e+04 / 52
p0 −0.06722 ± 1.397e−05
pull
Entries 53
Mean 22.31
Std Dev 12.63

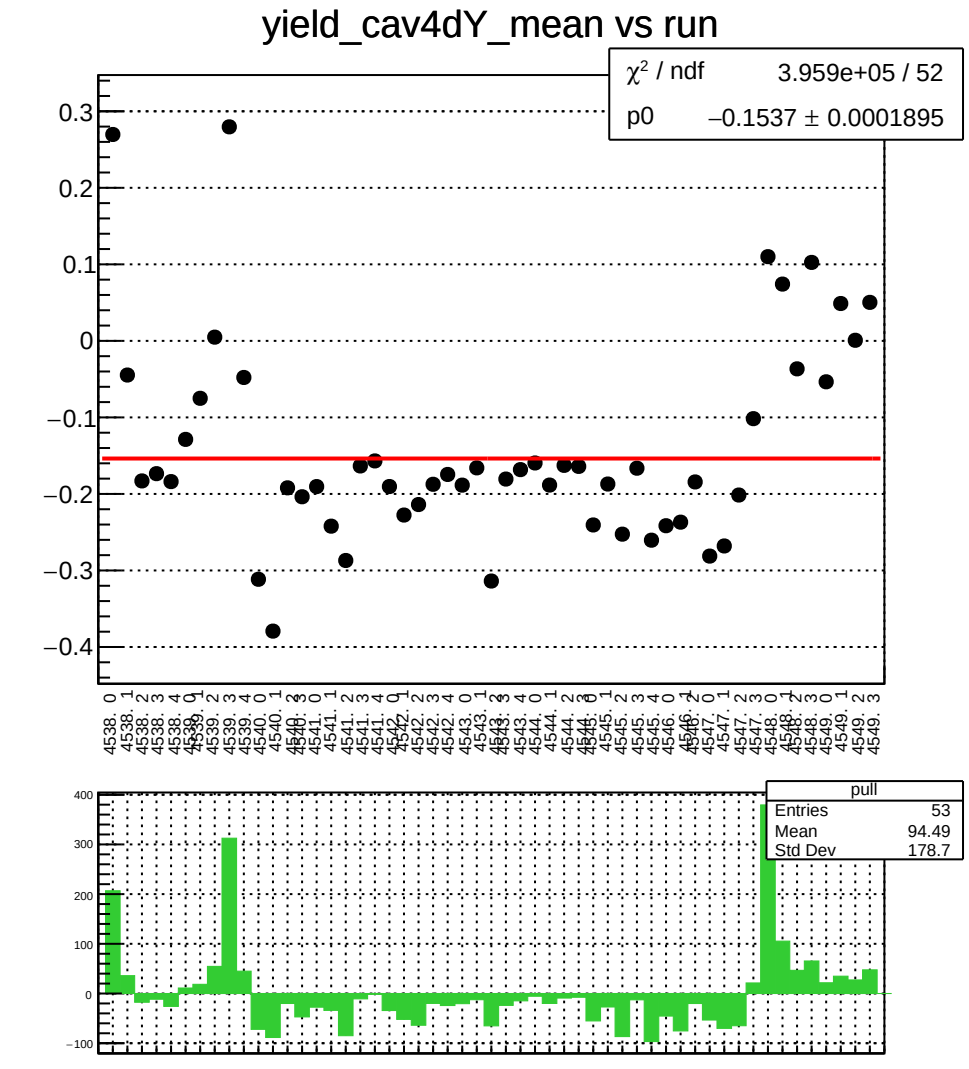

pull1D
Entries 53
Mean −1.322
Std Dev 5.24

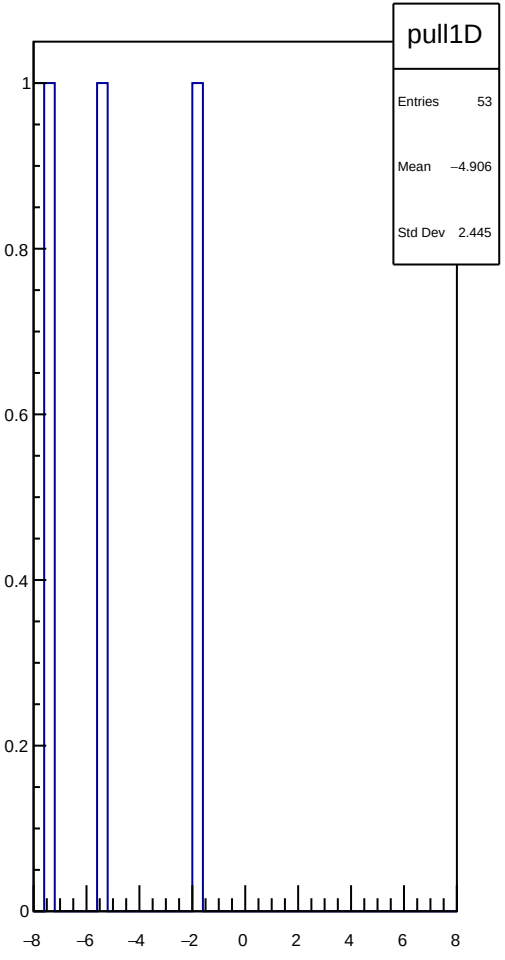

yield_cav4cY_rms vs run
χ² / ndf 1.615e+05 / 52
p0 0.009456 ± 9.875e−06
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

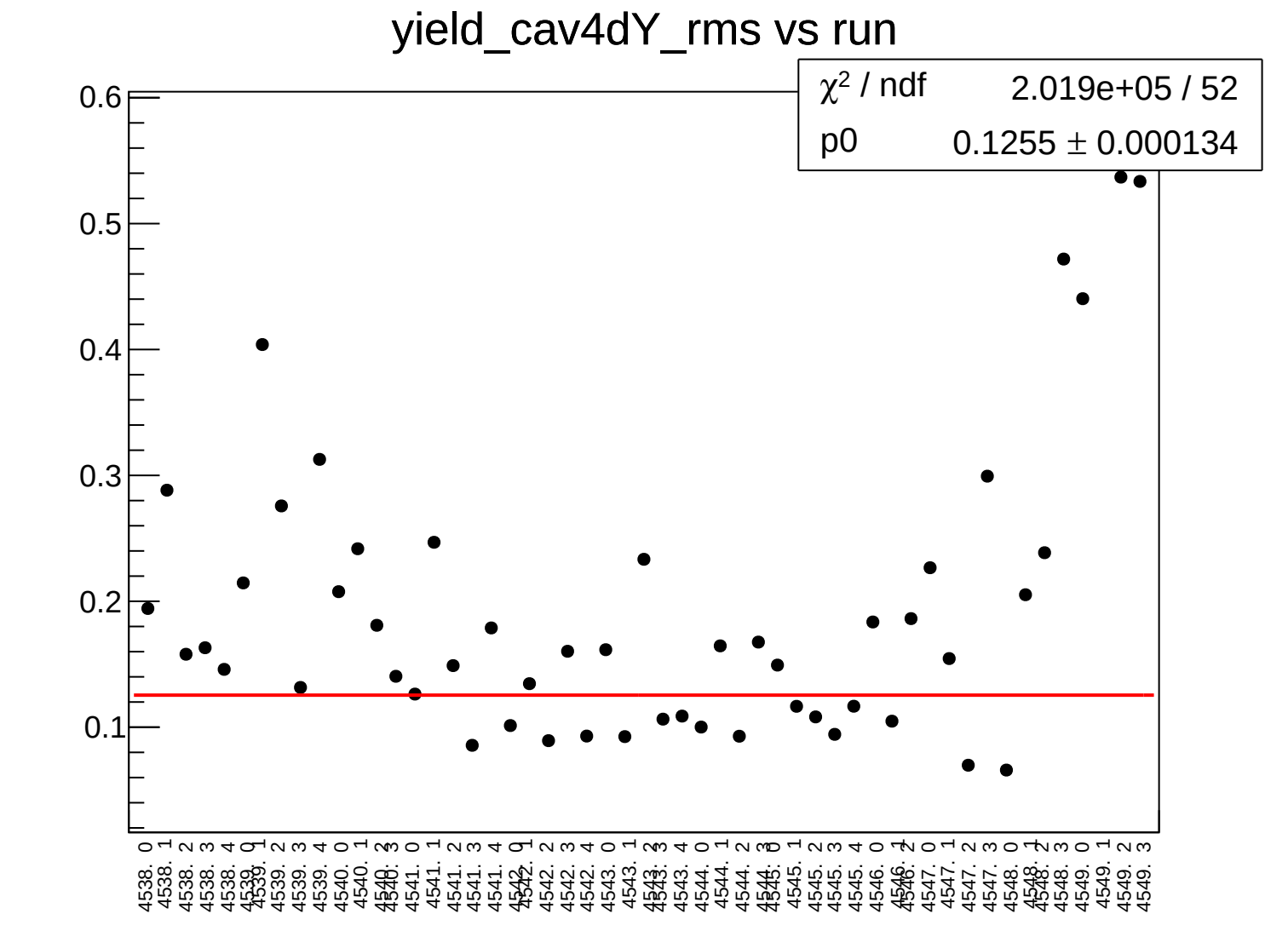

yield_cav4dX_mean vs run
χ² / ndf 5.365e+04 / 52
p0 7.042 ± 2.257e−07
7.05
7
6.95
6.9
6.85
6.8
6.75
6.7
pull
Entries 53
Mean 483.5
Std Dev 456.8
80
60
40
20
0
−20
−40
−60

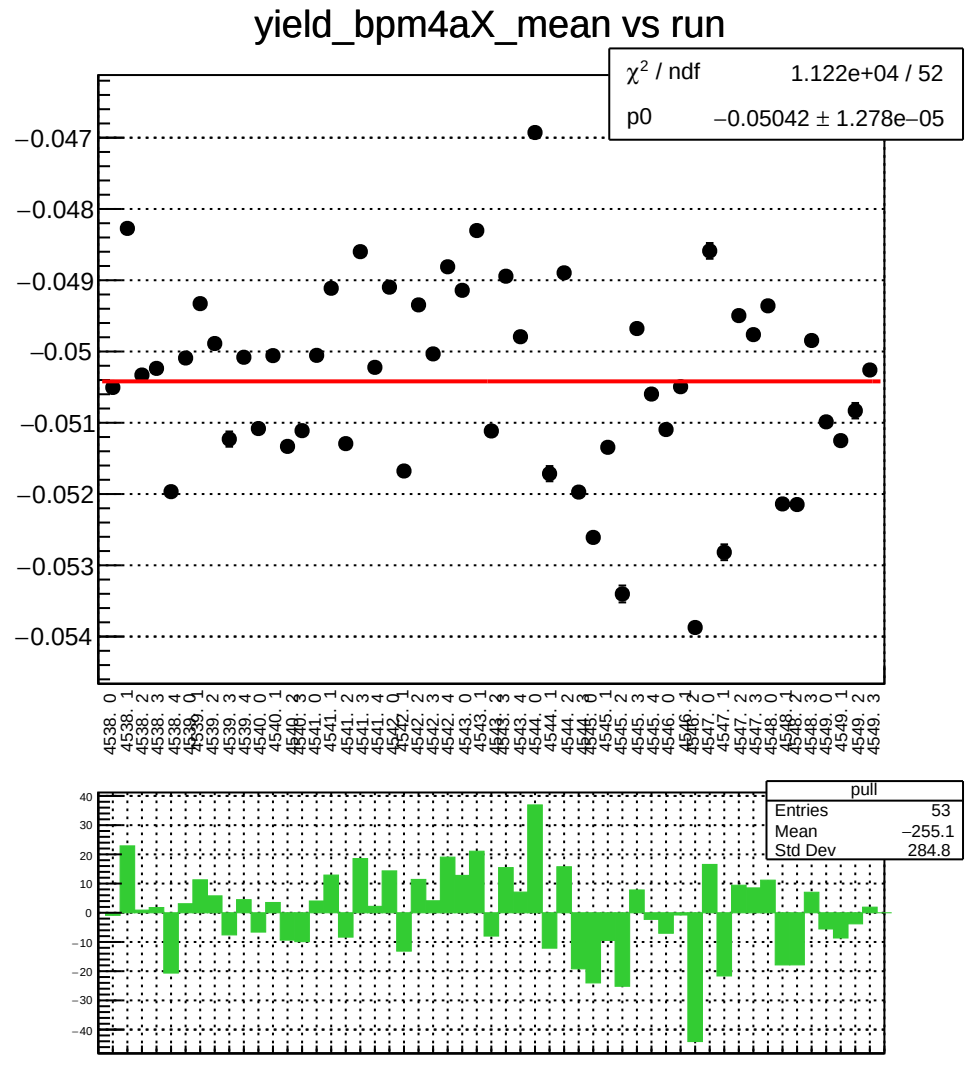

pull1D
Entries 53
Mean −2.111
Std Dev 3.835
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

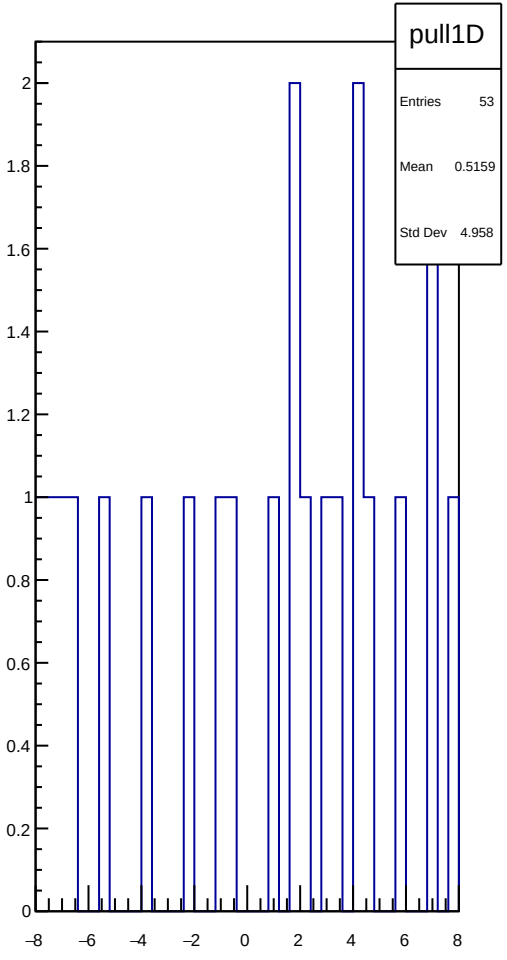

yield_cav4dX_rms vs run
χ^2 / ndf 6.039e+04 / 52
p0 0.000161 ± 1.596e−07
22
20
18
16
14
12
10
8
6
4
2
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

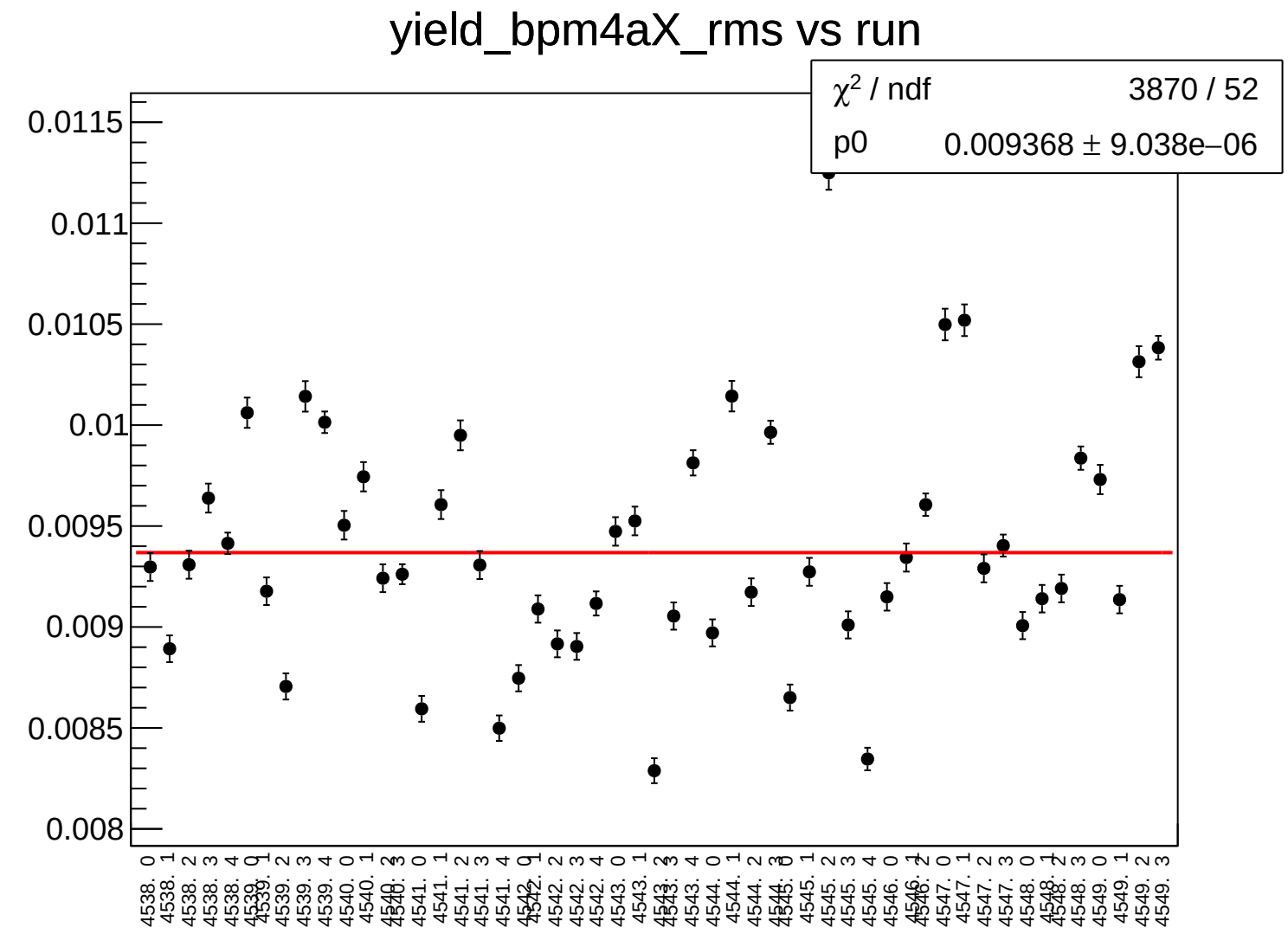

yield_cav4dY_mean vs run
χ² / ndf 3.959e+05 / 52
p0 −0.1537 ± 0.0001895
pull
Entries 53
Mean 94.49
Std Dev 178.7

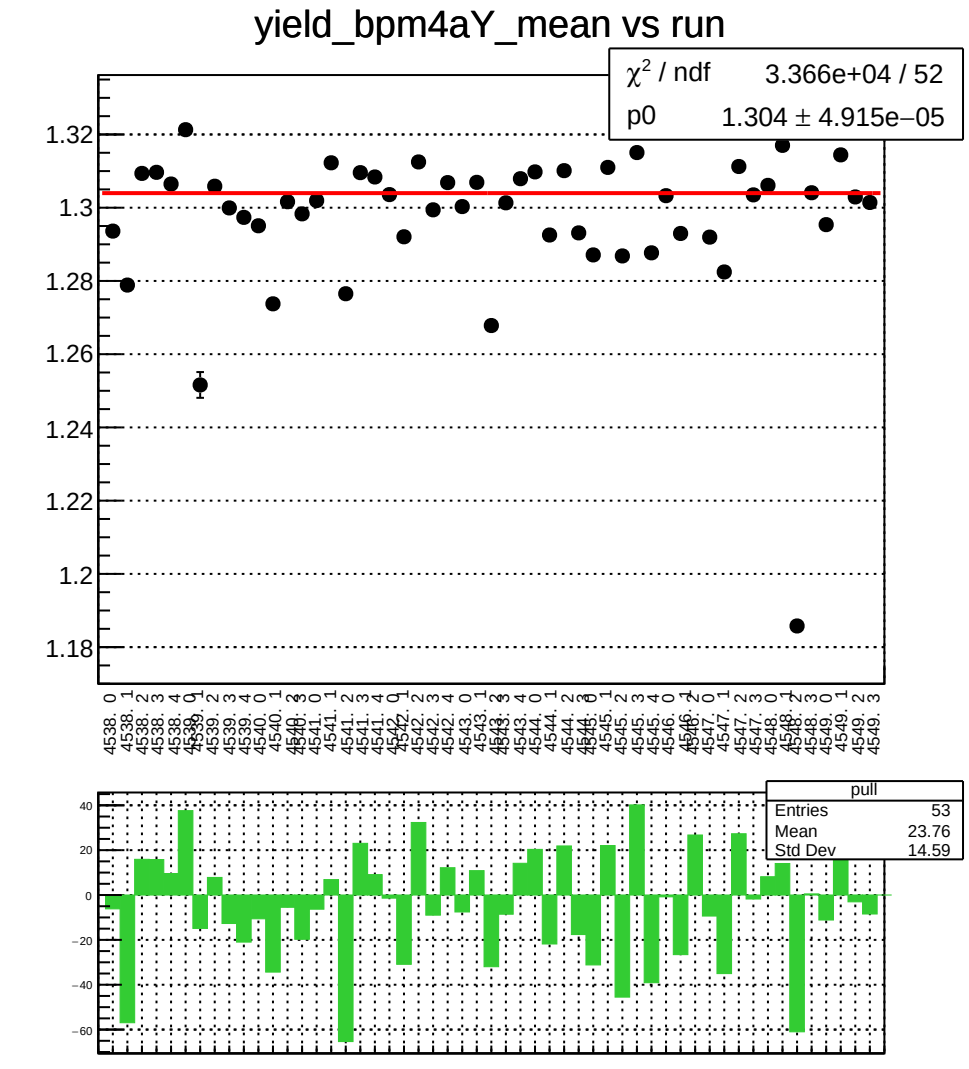

pull1D
Entries 53
Mean −4.906
Std Dev 2.445

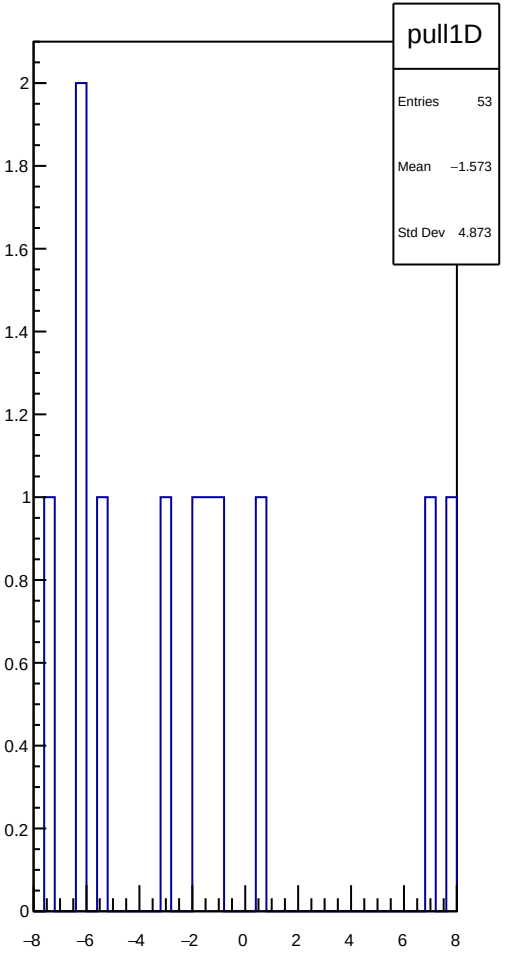

yield_cav4dY_rms vs run
χ² / ndf 2.019e+05 / 52
p0 0.1255 ± 0.000134
0.6
0.5
0.4
0.3
0.2
0.1
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

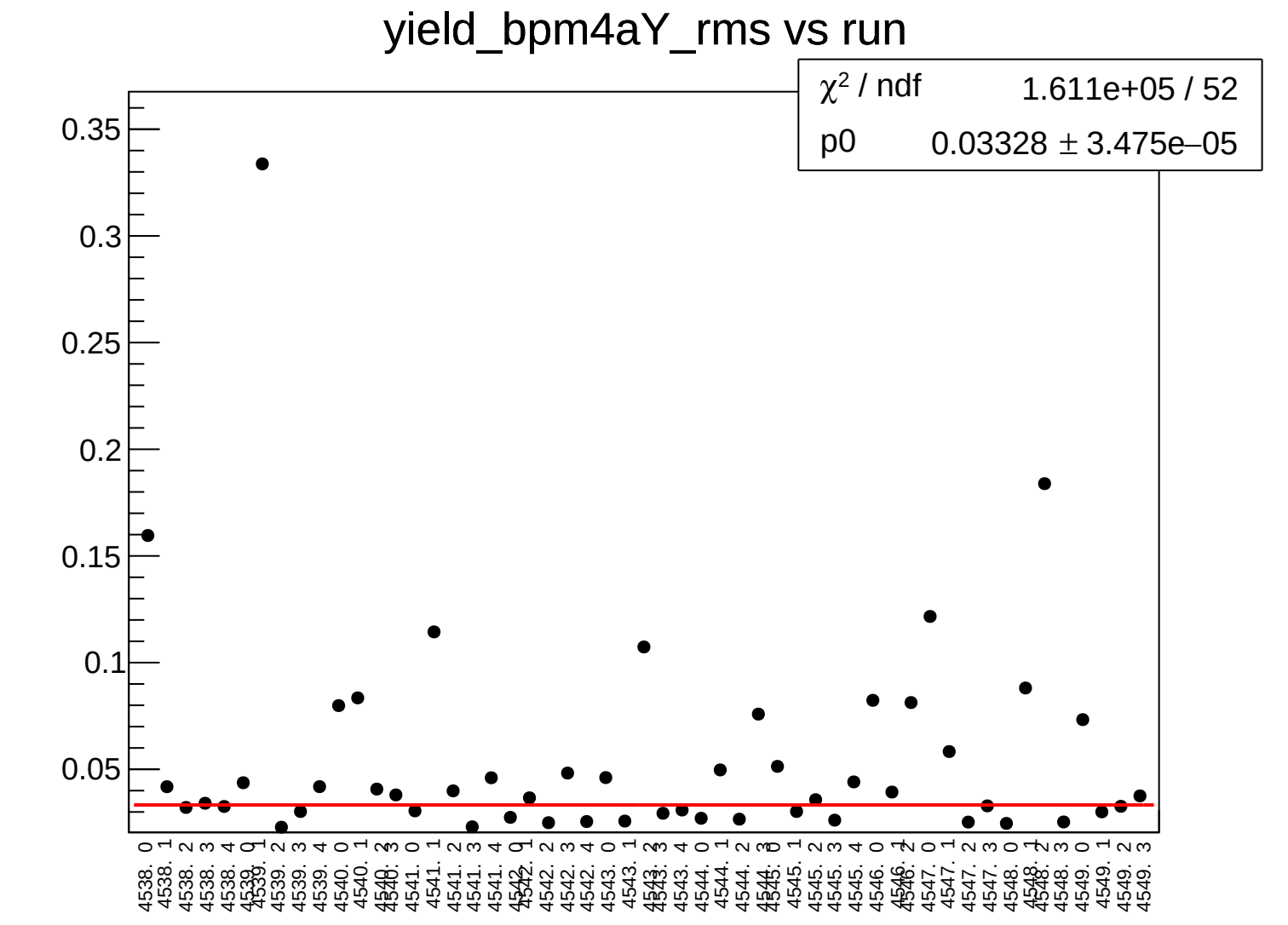

yield_bpm4aX_mean vs run
χ² / ndf 1.122e+04 / 52
p0 −0.05042 ± 1.278e−05
pull
Entries 53
Mean −255.1
Std Dev 284.8

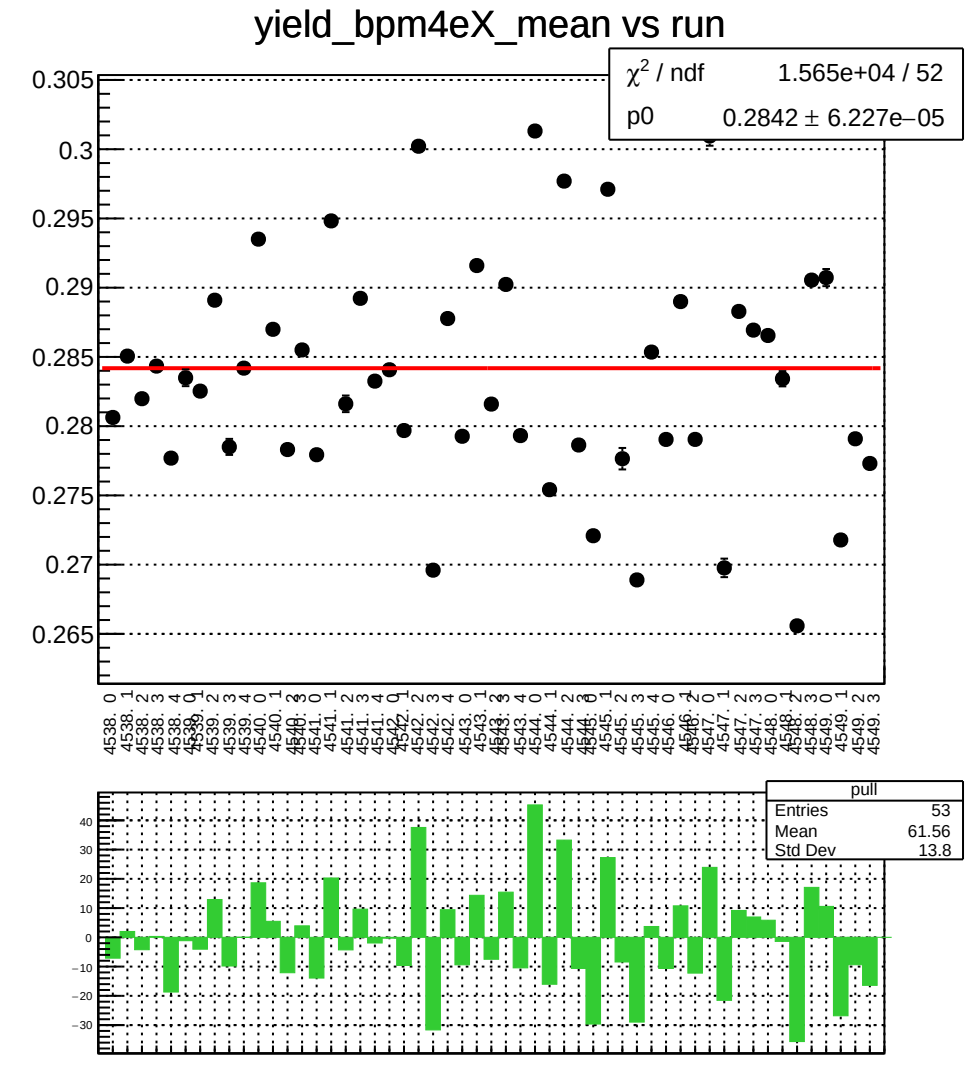

pull1D
Entries 53
Mean 0.5159
Std Dev 4.958

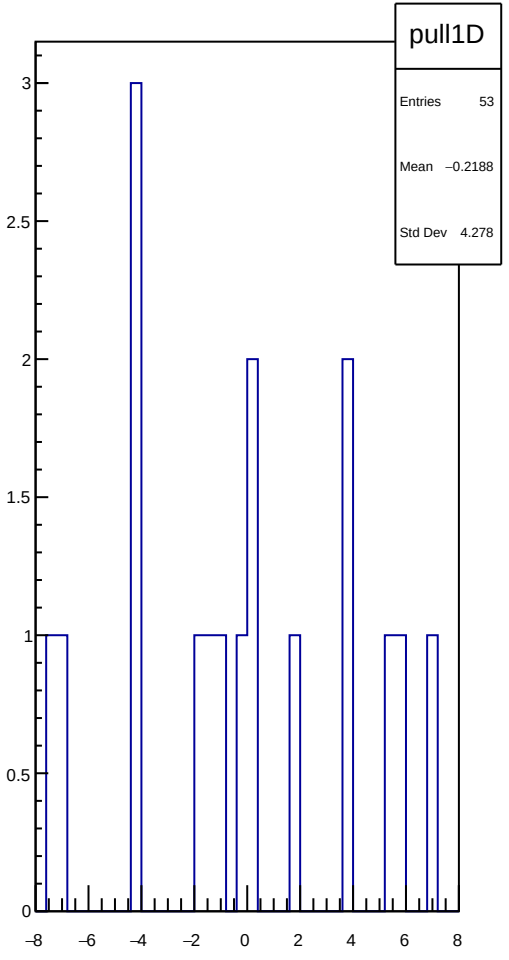

yield_bpm4aX_rms vs run
χ2 / ndf 3870 / 52
p0 0.009368 ± 9.038e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008

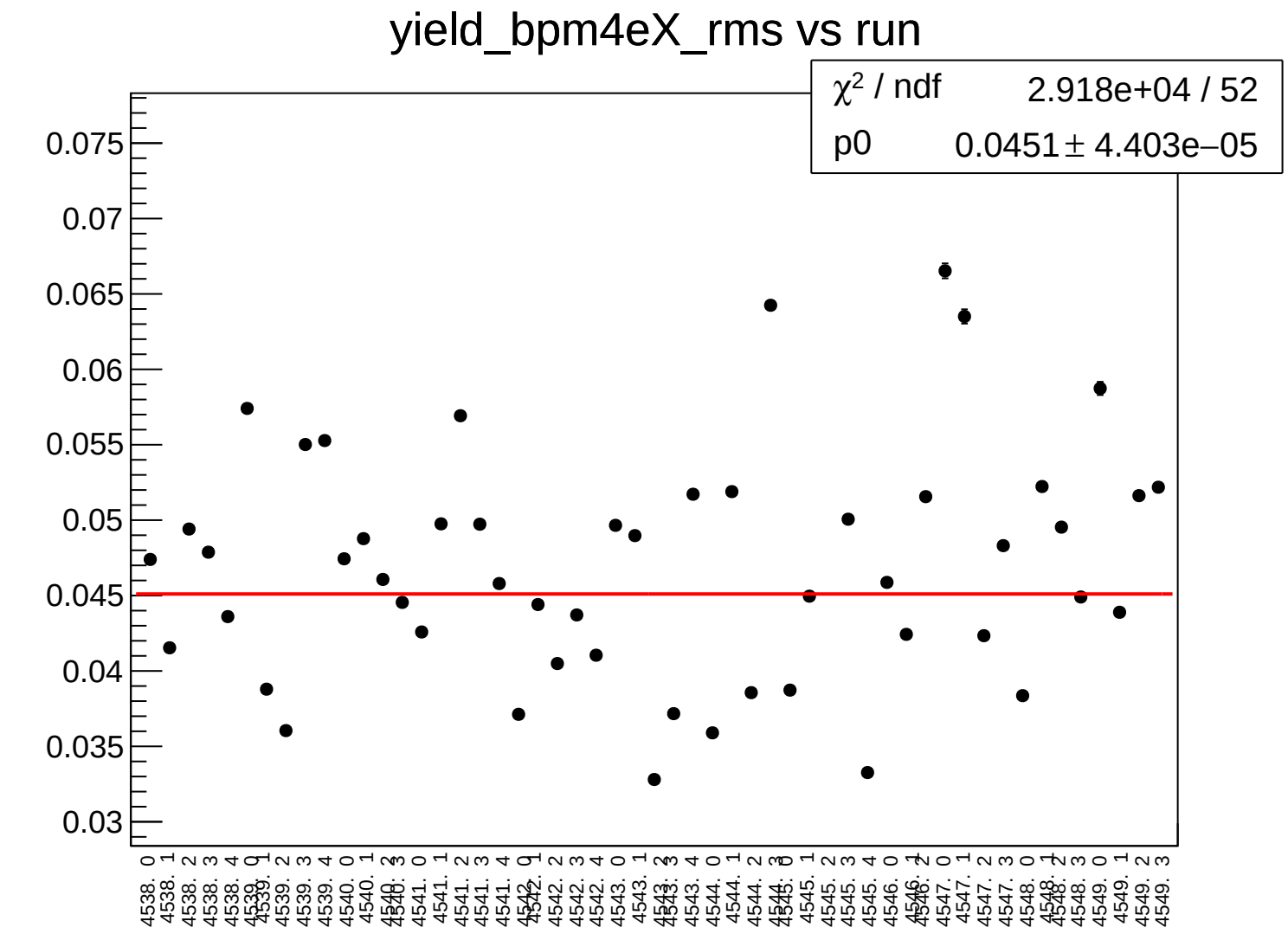

yield_bpm4aY_mean vs run
χ² / ndf 3.366e+04 / 52
p0 1.304 ± 4.915e−05
pull
Entries 53
Mean 23.76
Std Dev 14.59

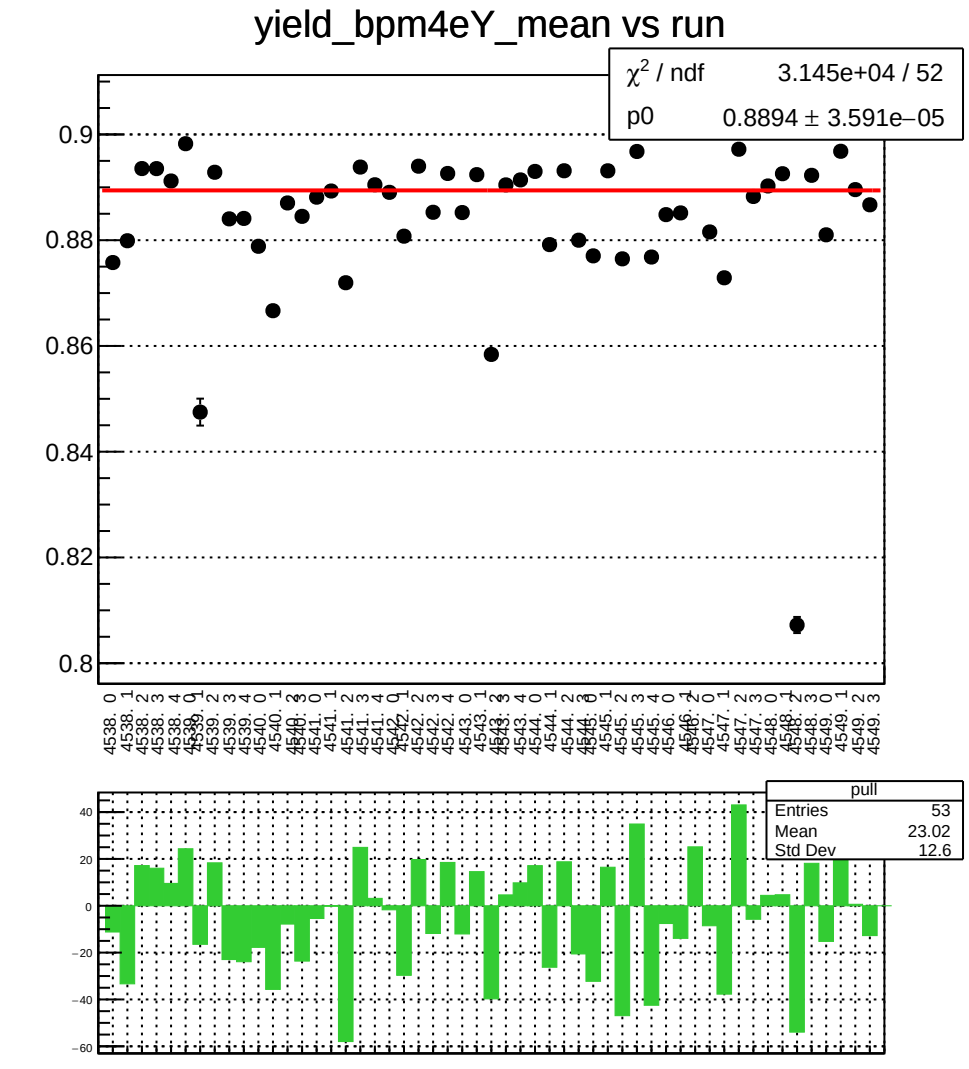

pull1D
Entries 53
Mean −1.573
Std Dev 4.873

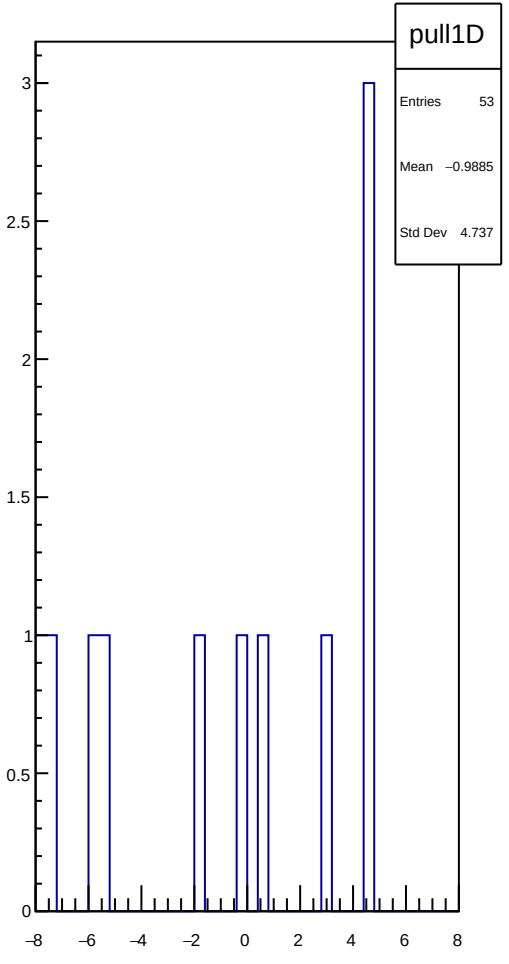

yield_bpm4aY_rms vs run
χ² / ndf 1.611e+05 / 52
p0 0.03328 ± 3.475e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05

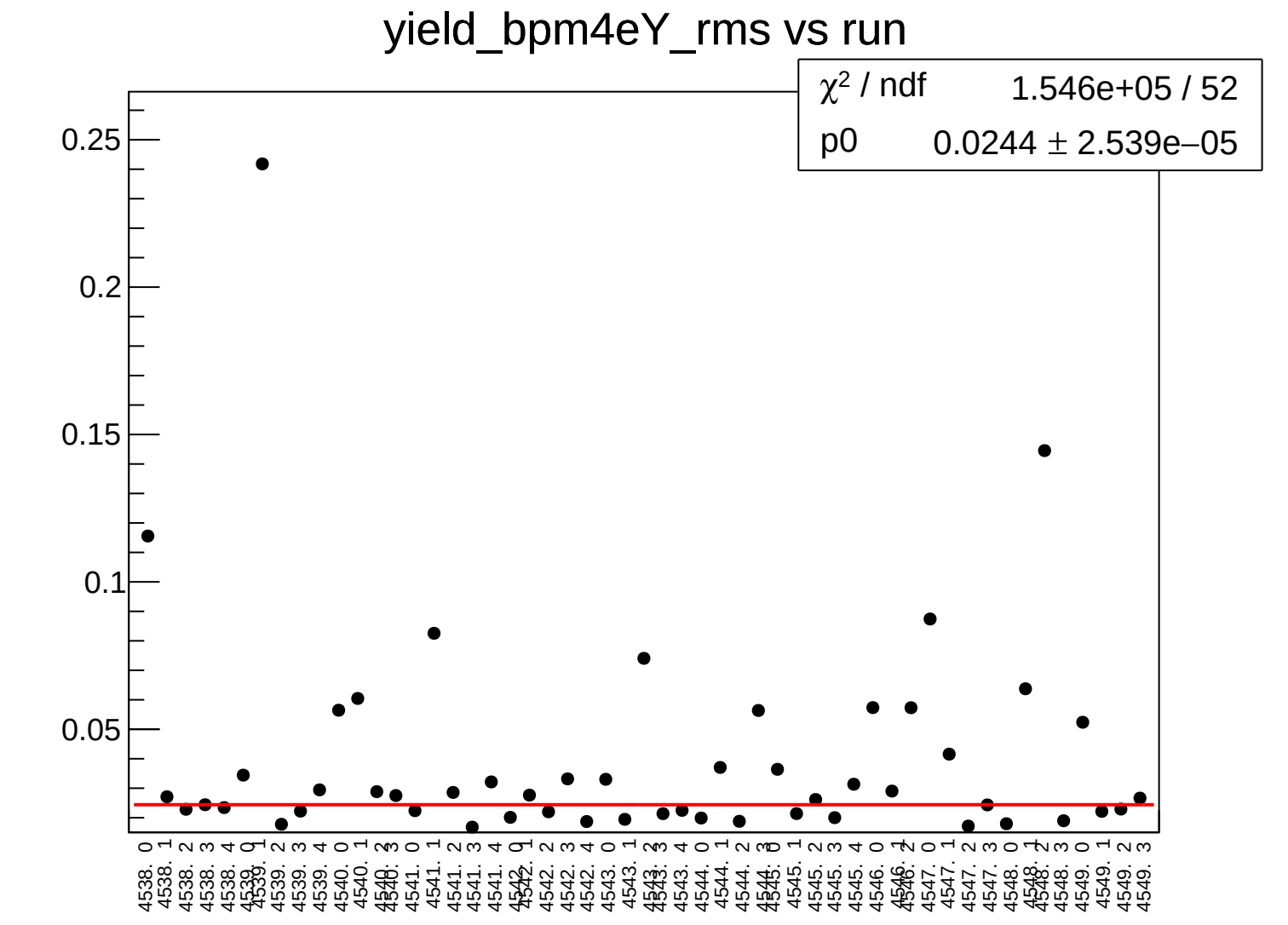

yield_bpm4eX_mean vs run
χ² / ndf 1.565e+04 / 52
p0 0.2842 ± 6.227e−05
pull
Entries 53
Mean 61.56
Std Dev 13.8

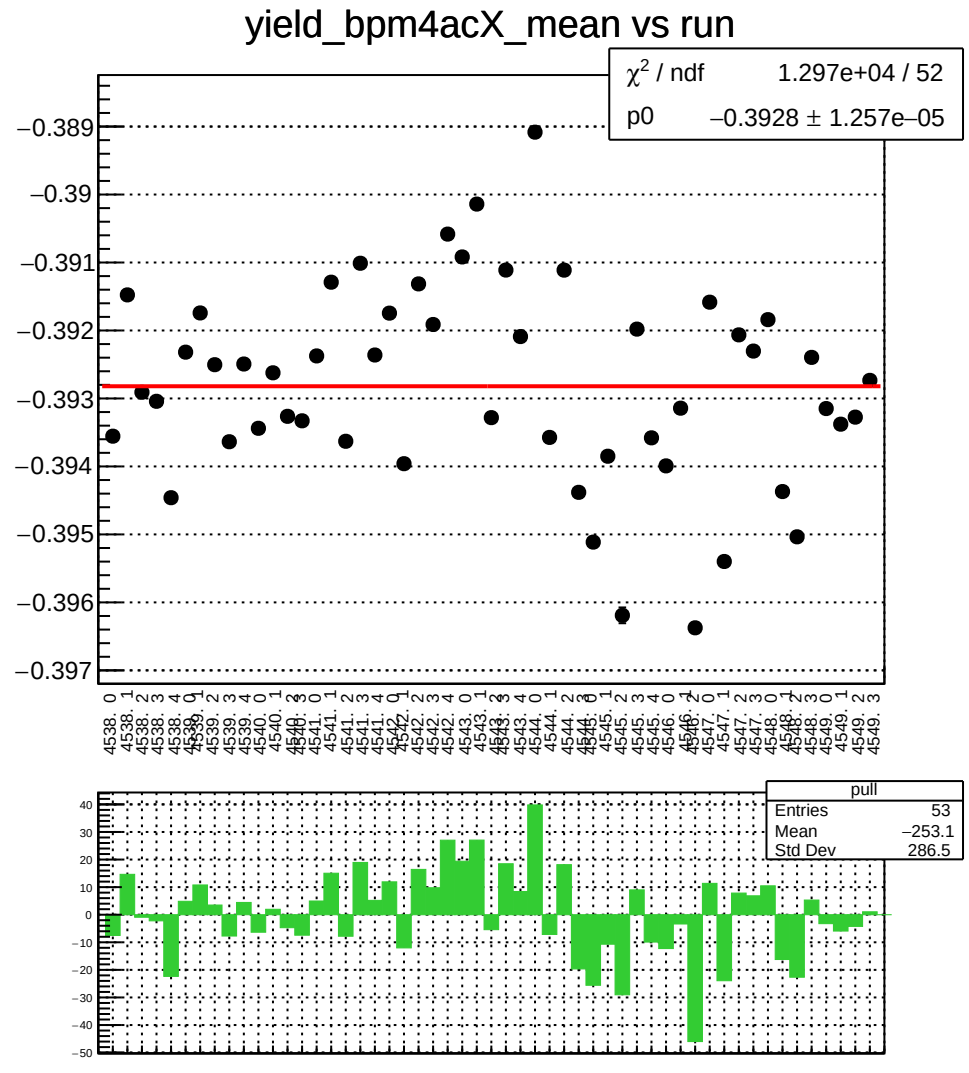

pull1D
Entries 53
Mean −0.2188
Std Dev 4.278

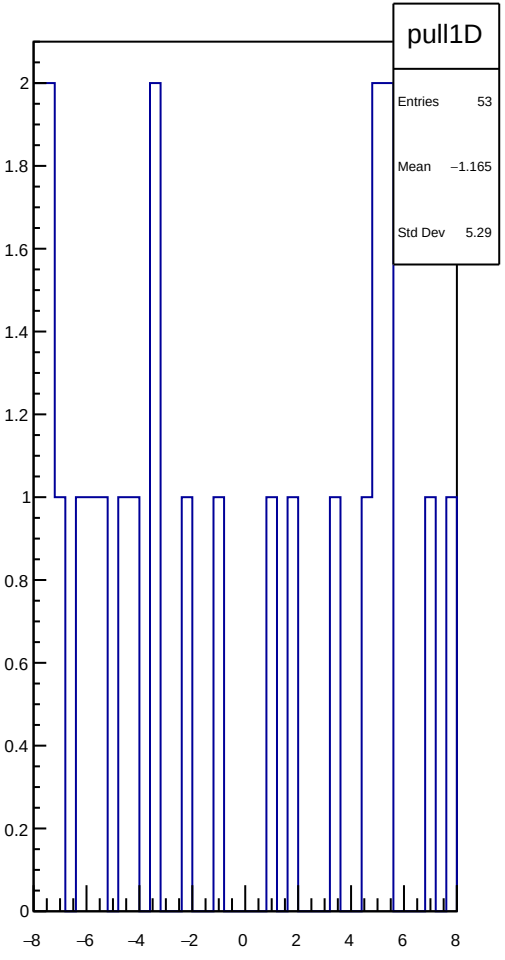

yield_bpm4eX_rms vs run
χ² / ndf 2.918e+04 / 52
p0 0.0451 ± 4.403e−05
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03

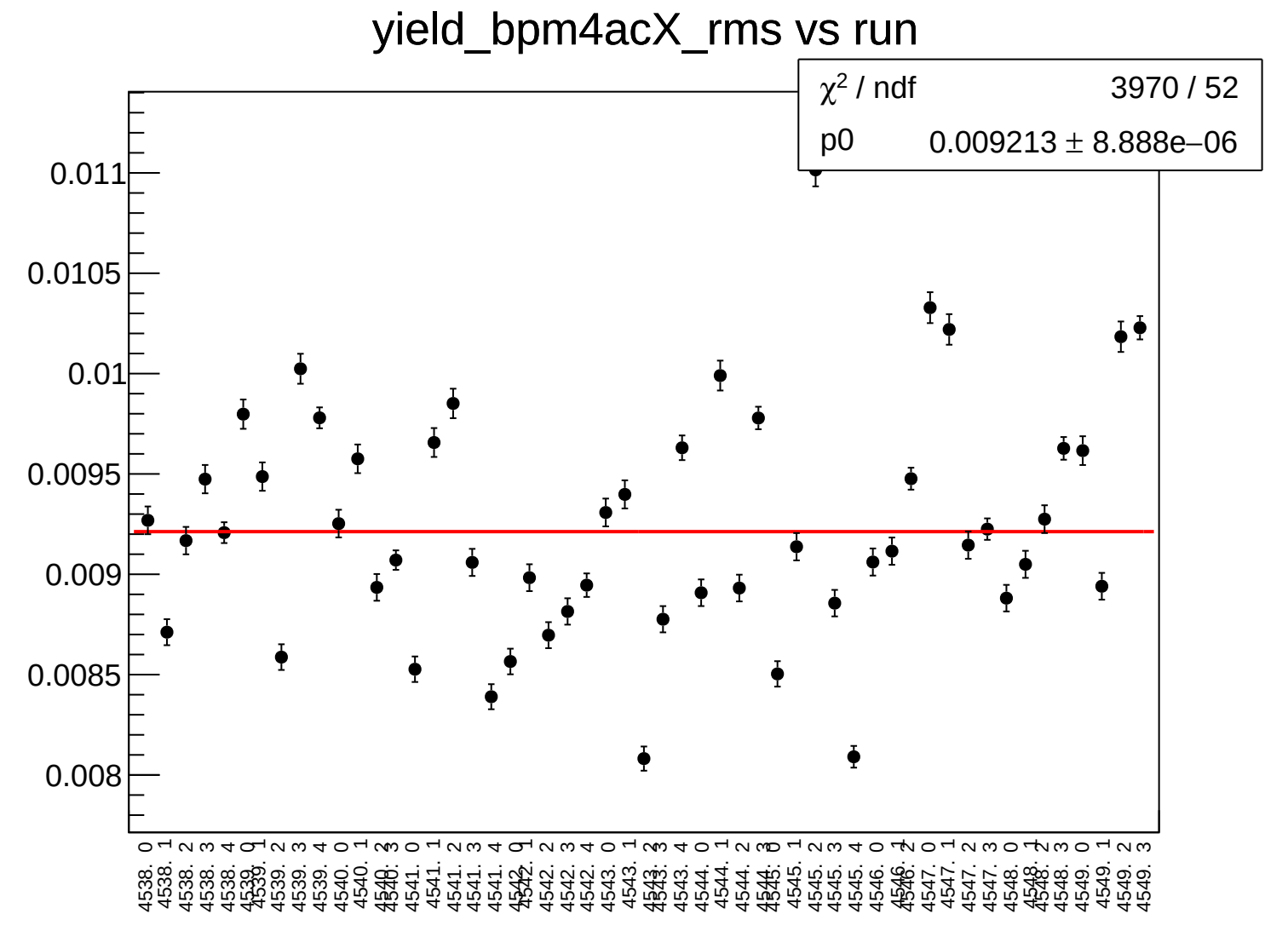

yield_bpm4eY_mean vs run
χ² / ndf 3.145e+04 / 52
p0 0.8894 ± 3.591e−05
0.9
0.88
0.86
0.84
0.82
0.8
pull
Entries 53
Mean 23.02
Std Dev 12.6
40
20
0
−20
−40
−60

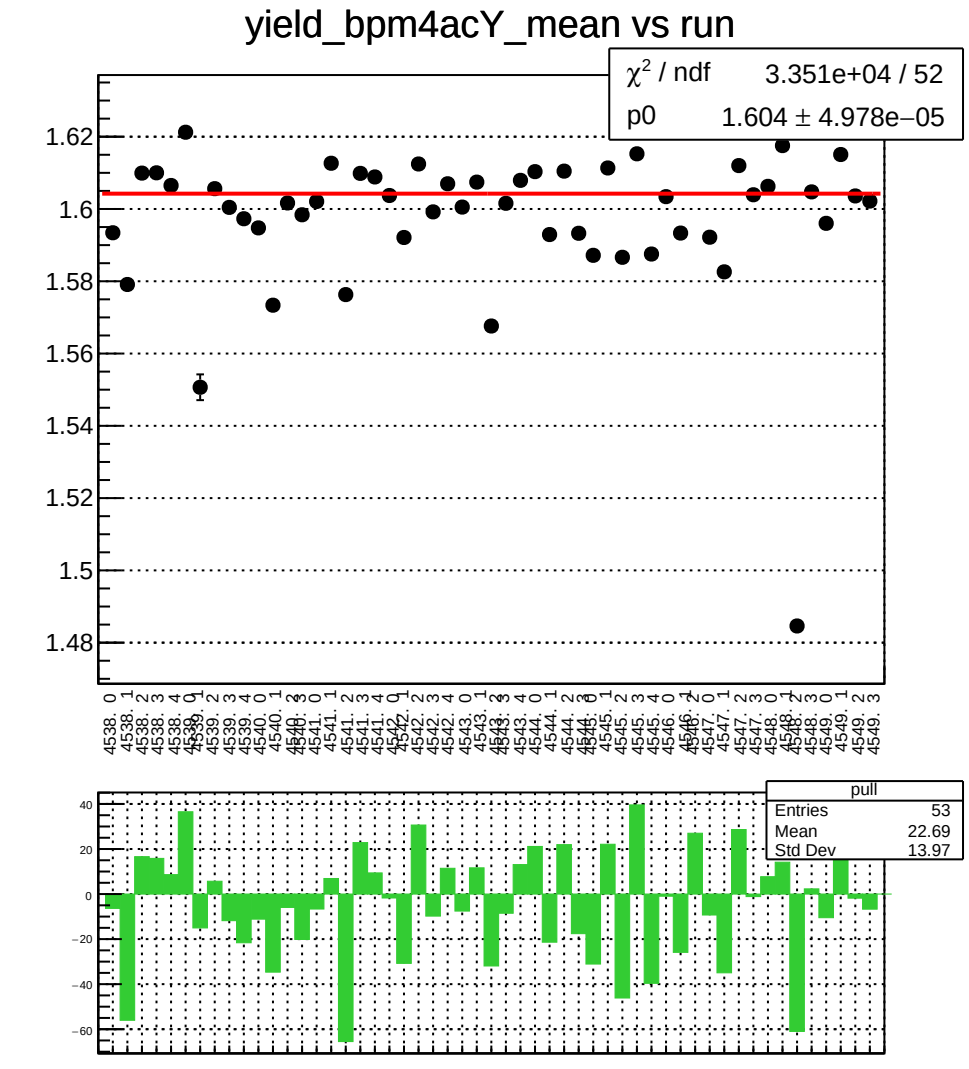

pull1D
Entries 53
Mean −0.9885
Std Dev 4.737
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

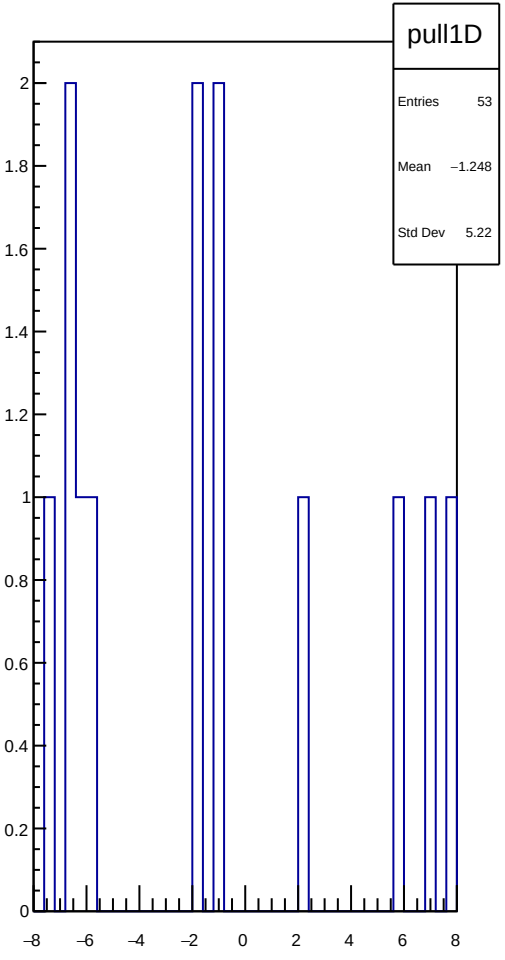

yield_bpm4eY_rms vs run
χ² / ndf 1.546e+05 / 52
p0 0.0244 ± 2.539e−05
0.25
0.2
0.15
0.1
0.05
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

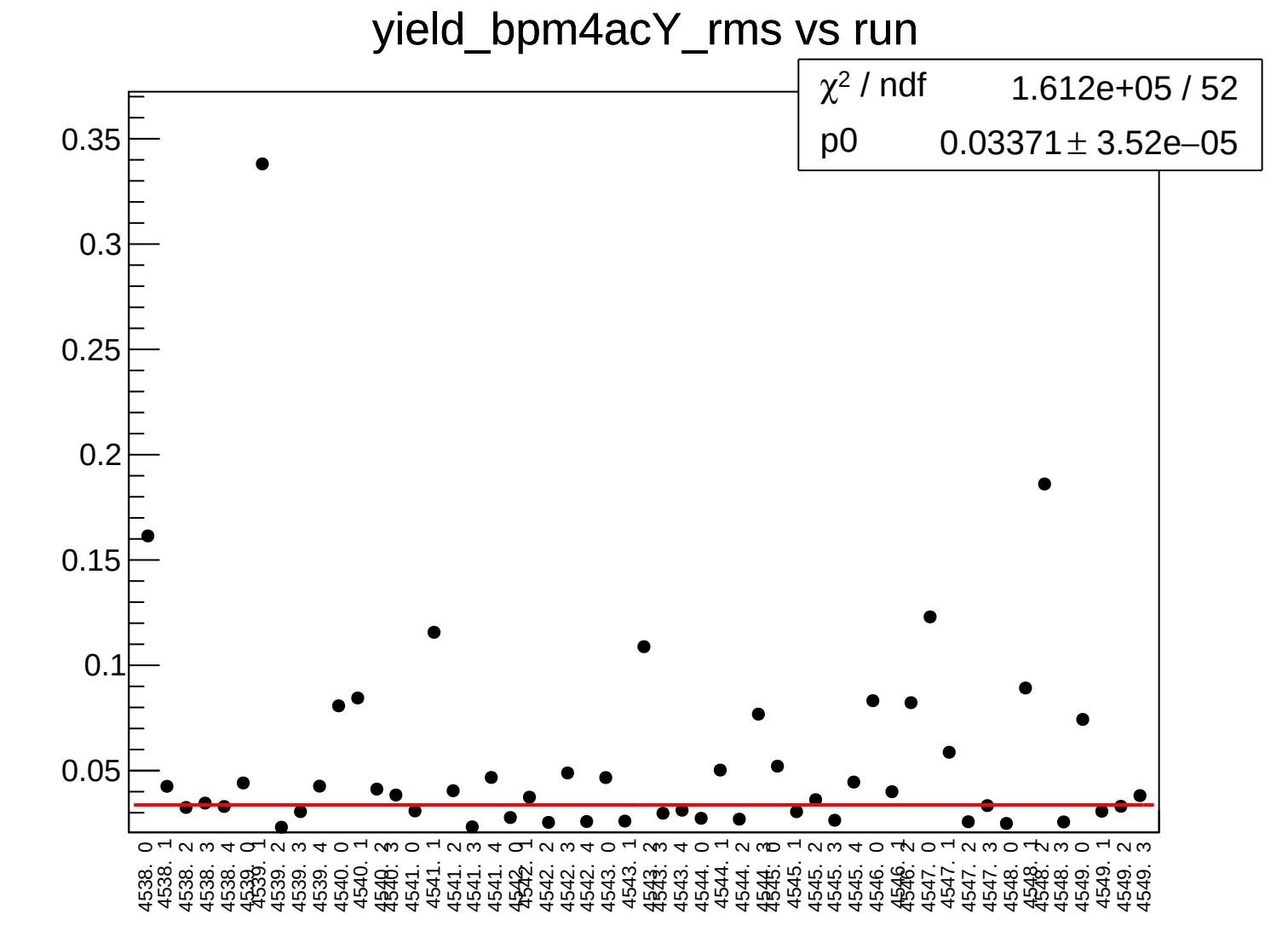

yield_bpm4acX_mean vs run
χ² / ndf 1.297e+04 / 52
p0 −0.3928 ± 1.257e−05
−0.389
−0.39
−0.391
−0.392
−0.393
−0.394
−0.395
−0.396
−0.397
pull
Entries 53
Mean −253.1
Std Dev 286.5

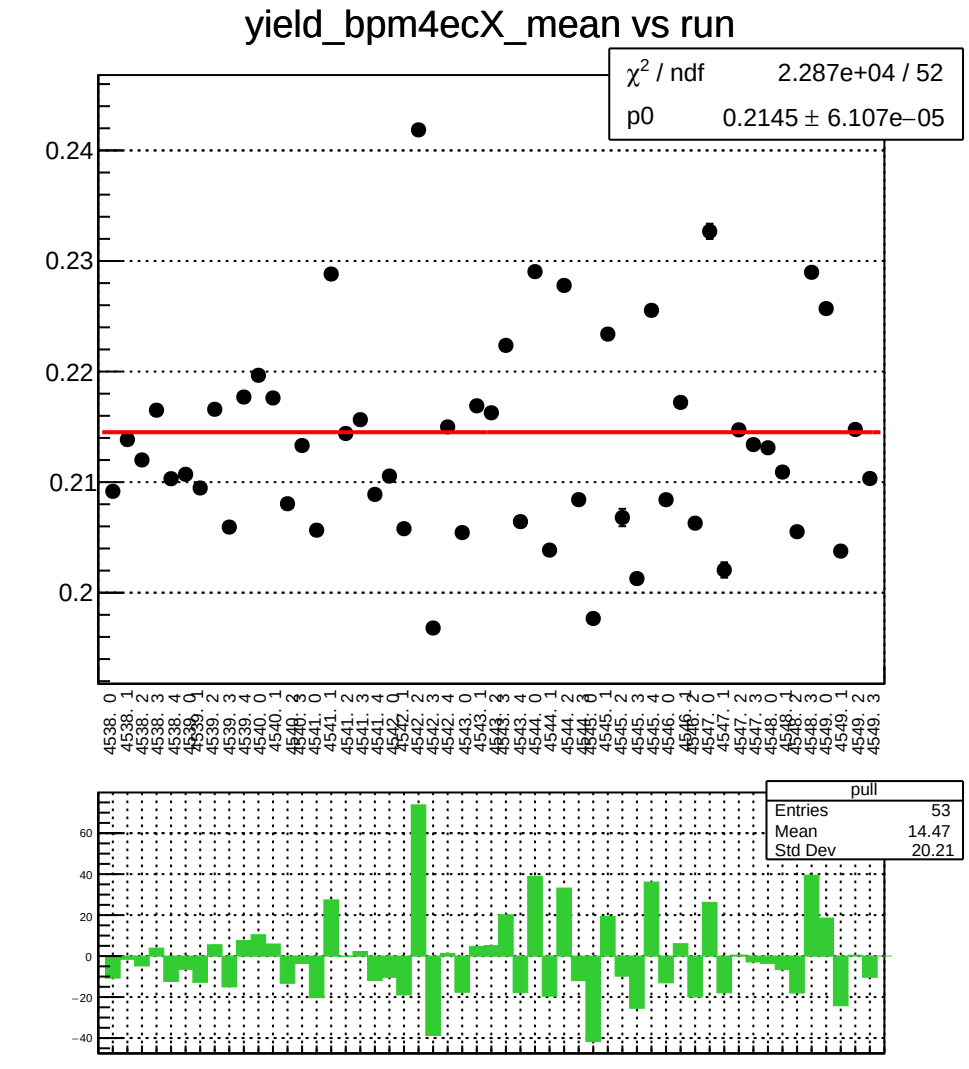

pull1D
Entries 53
Mean −1.165
Std Dev 5.29

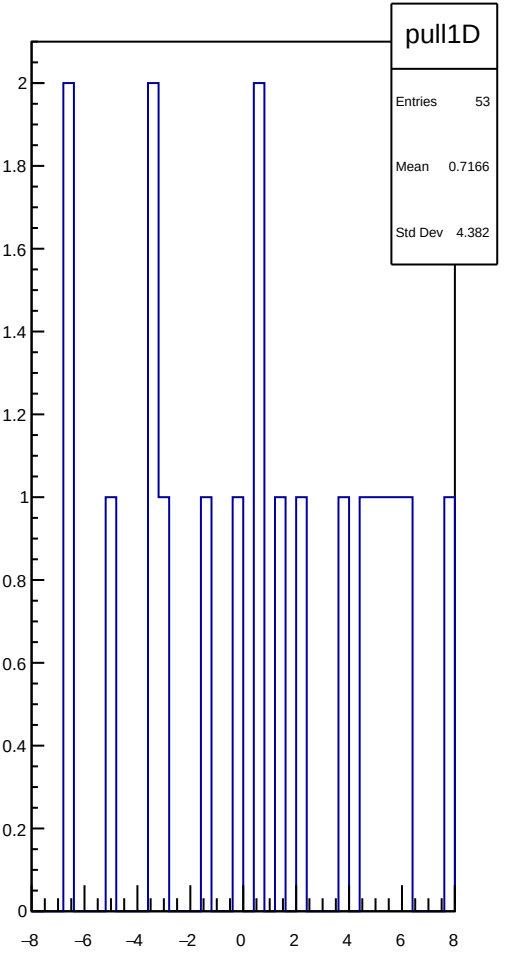

yield_bpm4acX_rms vs run
χ2 / ndf 3970 / 52
p0 0.009213 ± 8.888e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4540. 4
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4544. 4
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

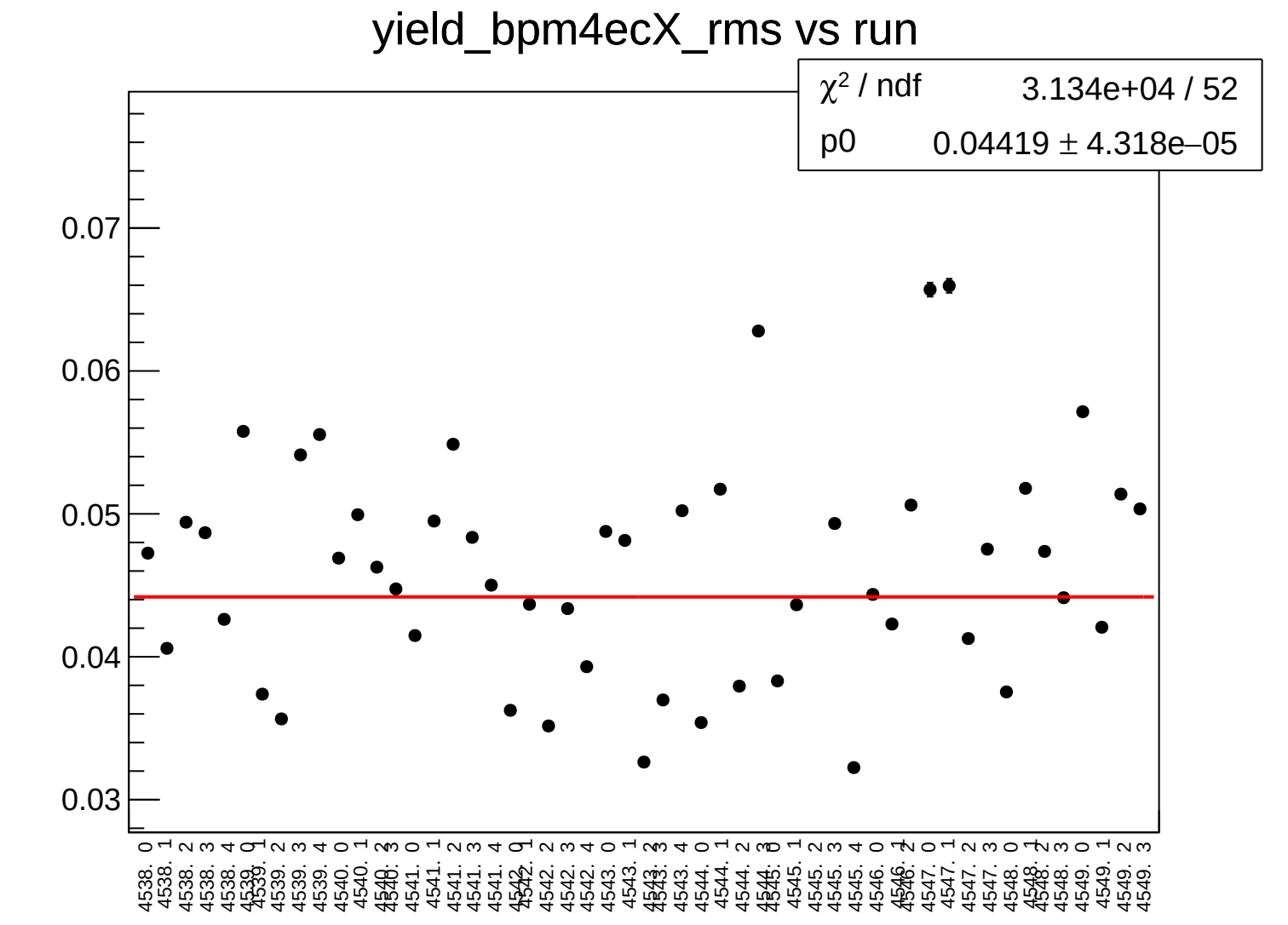

yield_bpm4acY_mean vs run
χ² / ndf 3.351e+04 / 52
p0 1.604 ± 4.978e−05
pull
Entries 53
Mean 22.69
Std Dev 13.97

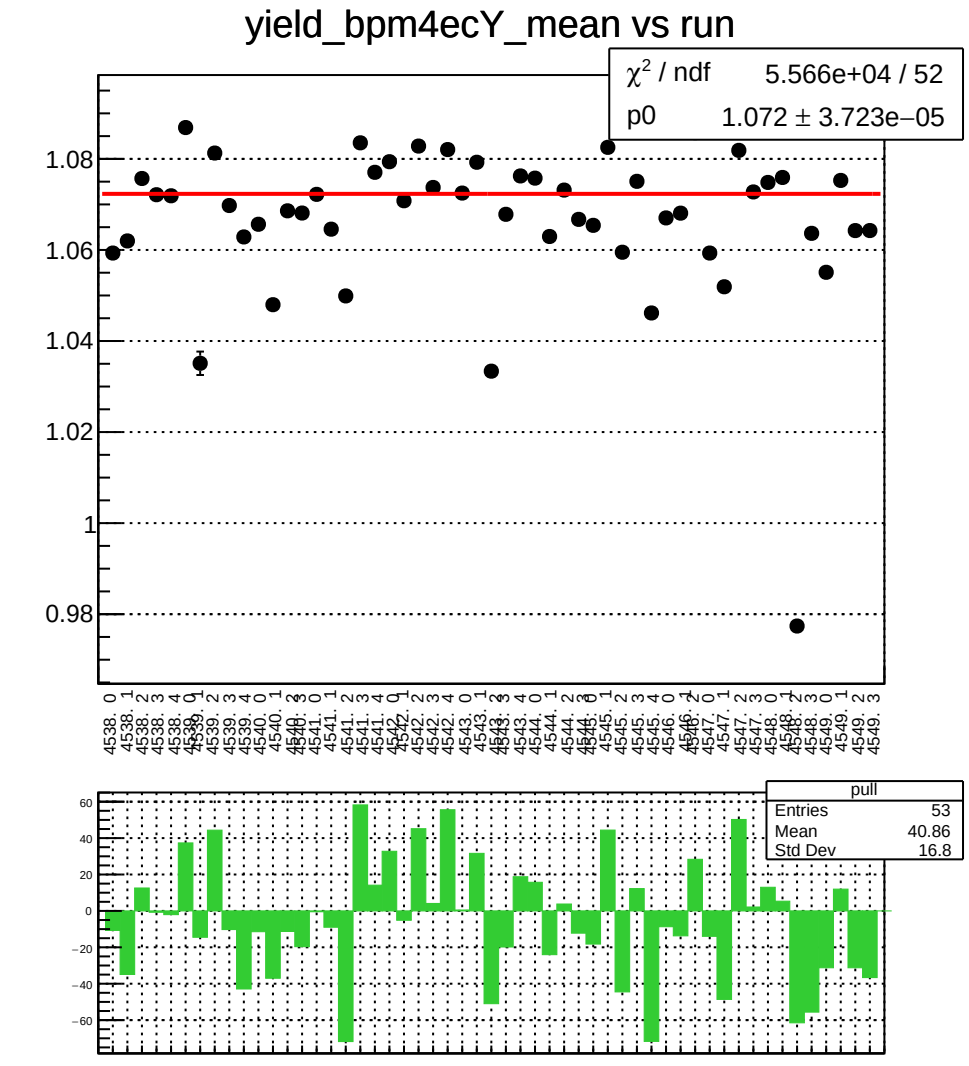

pull1D
Entries 53
Mean −1.248
Std Dev 5.22

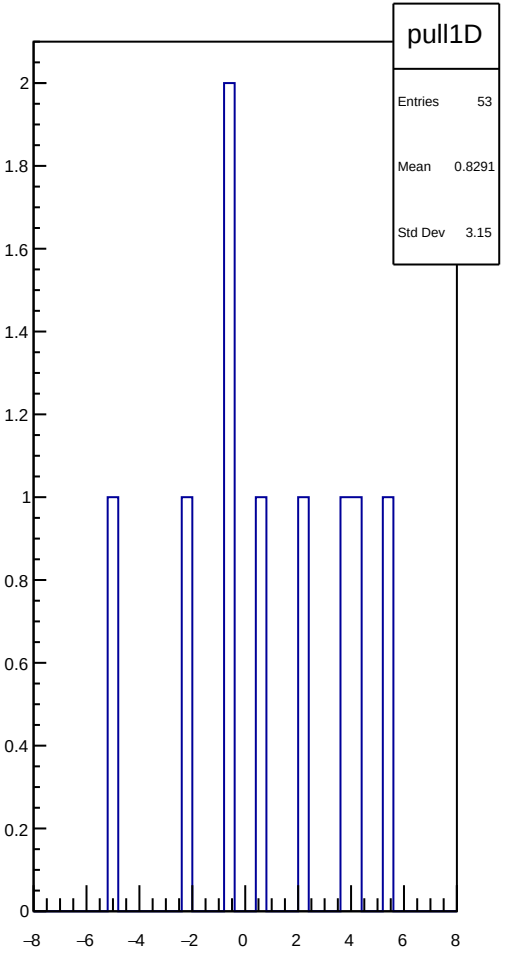

yield_bpm4acY_rms vs run
χ² / ndf 1.612e+05 / 52
p0 0.03371 ± 3.52e–05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

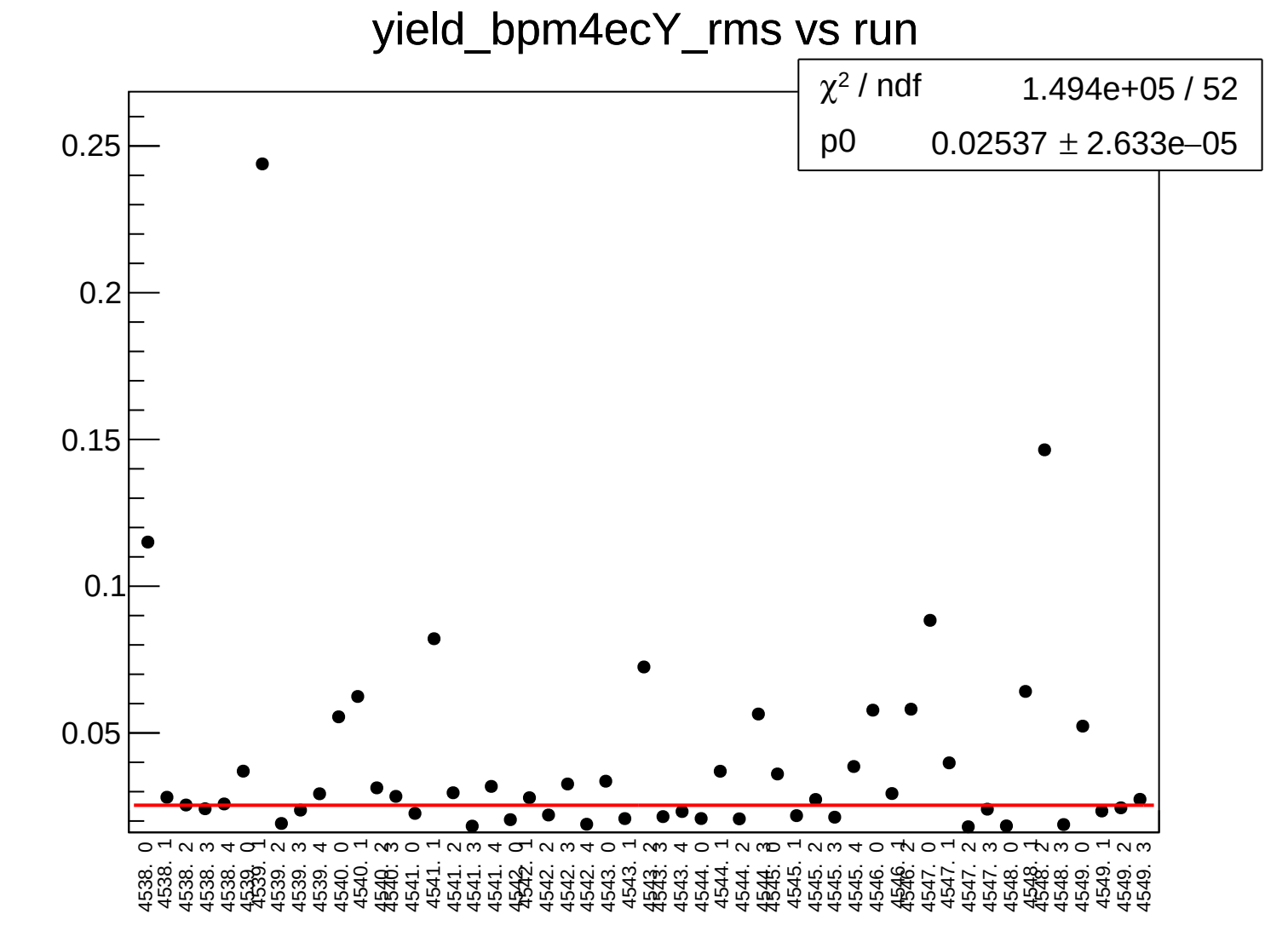

yield_bpm4ecX_mean vs run
χ² / ndf 2.287e+04 / 52
p0 0.2145 ± 6.107e−05
0.24
0.23
0.22
0.21
0.2
pull
Entries 53
Mean 14.47
Std Dev 20.21
60
40
20
0
−20
−40

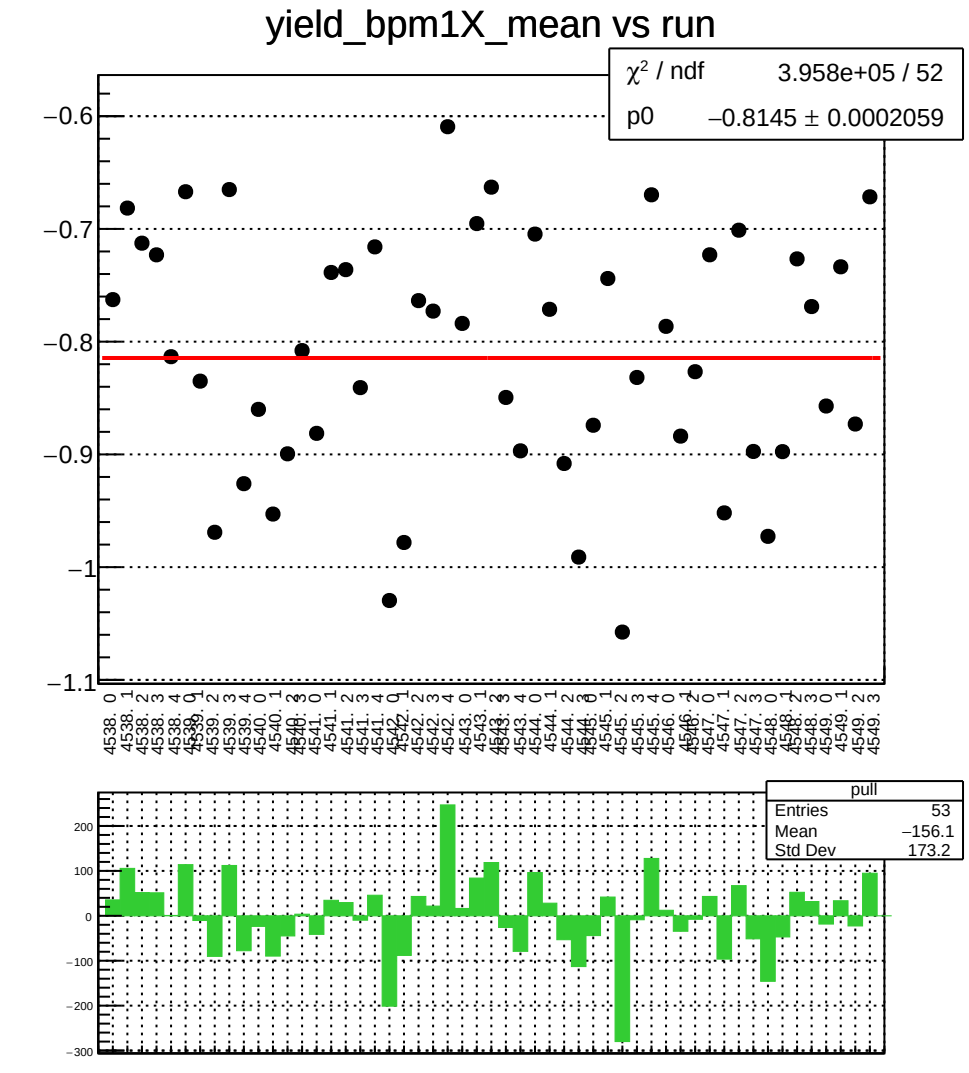

pull1D
Entries 53
Mean 0.7166
Std Dev 4.382
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

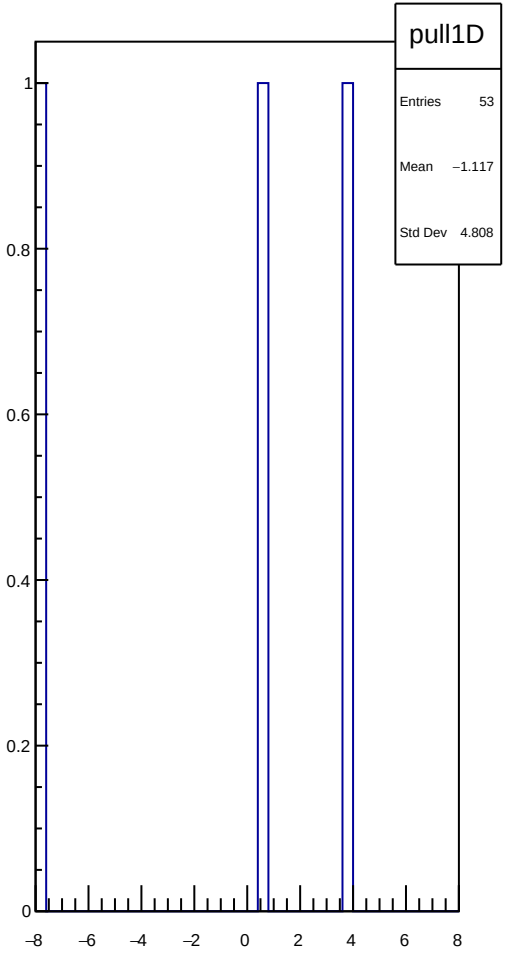

yield_bpm4ecX_rms vs run
χ² / ndf 3.134e+04 / 52
p0 0.04419 ± 4.318e–05
0.07
0.06
0.05
0.04
0.03
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

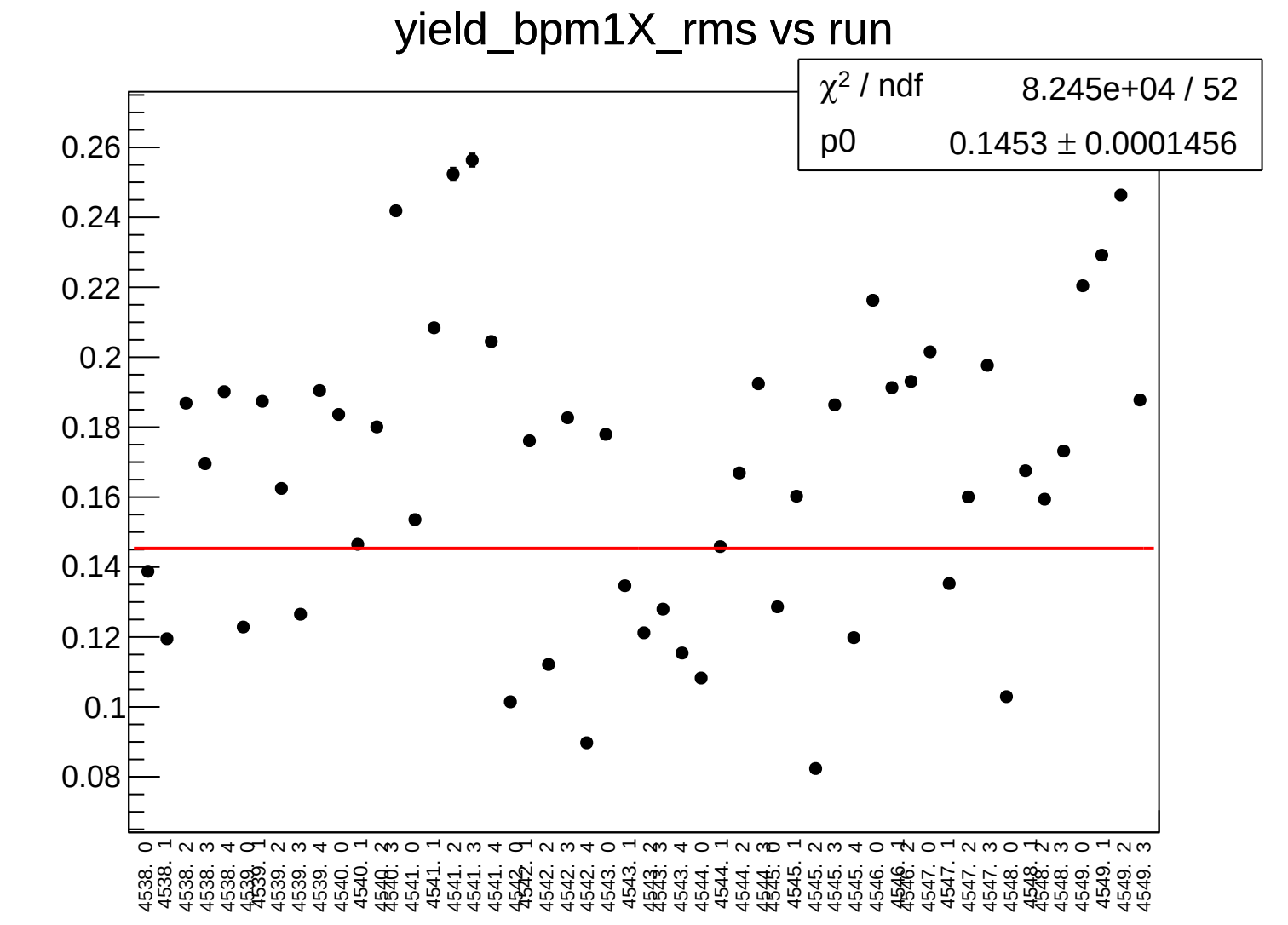

yield_bpm4ecY_mean vs run
χ² / ndf 5.566e+04 / 52
p0 1.072 ± 3.723e−05
1.08
1.06
1.04
1.02
1
0.98
pull
Entries 53
Mean 40.86
Std Dev 16.8
60
40
20
0
−20
−40
−60

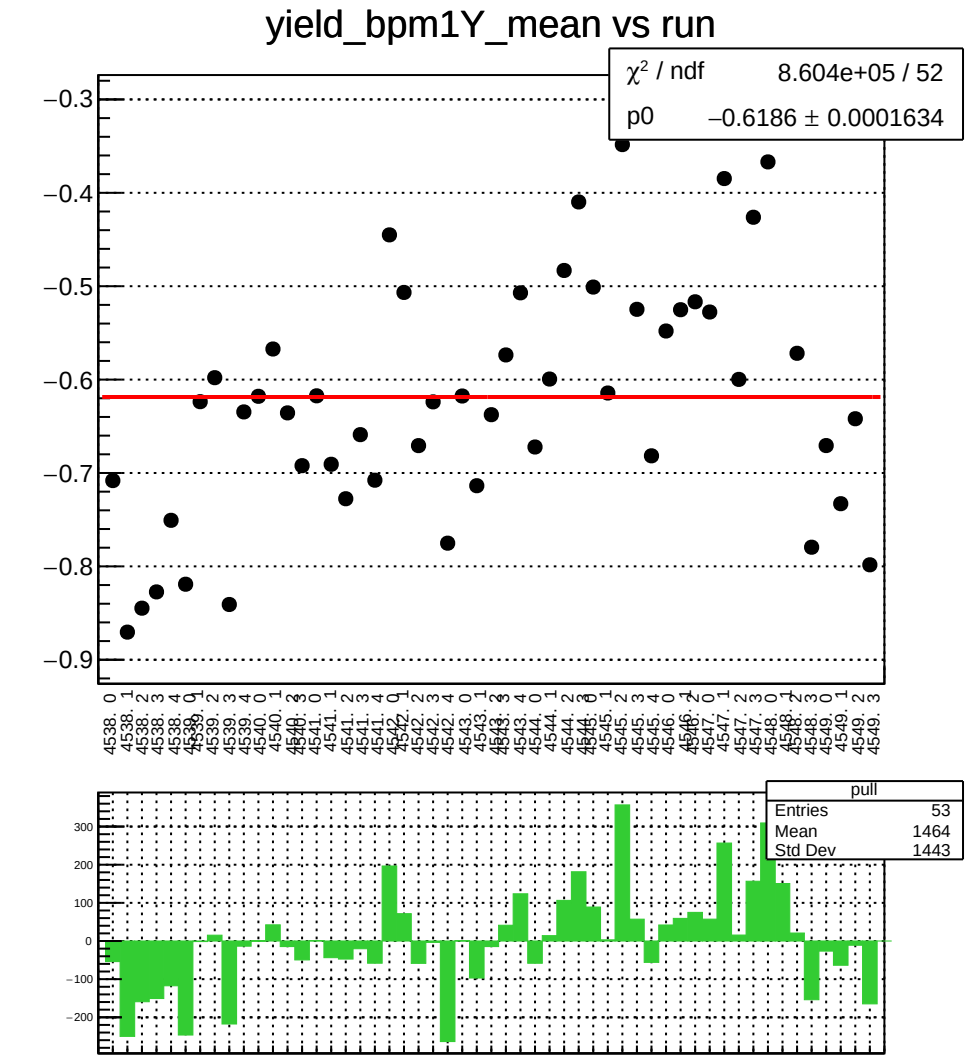

pull1D
Entries 53
Mean 0.8291
Std Dev 3.15
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

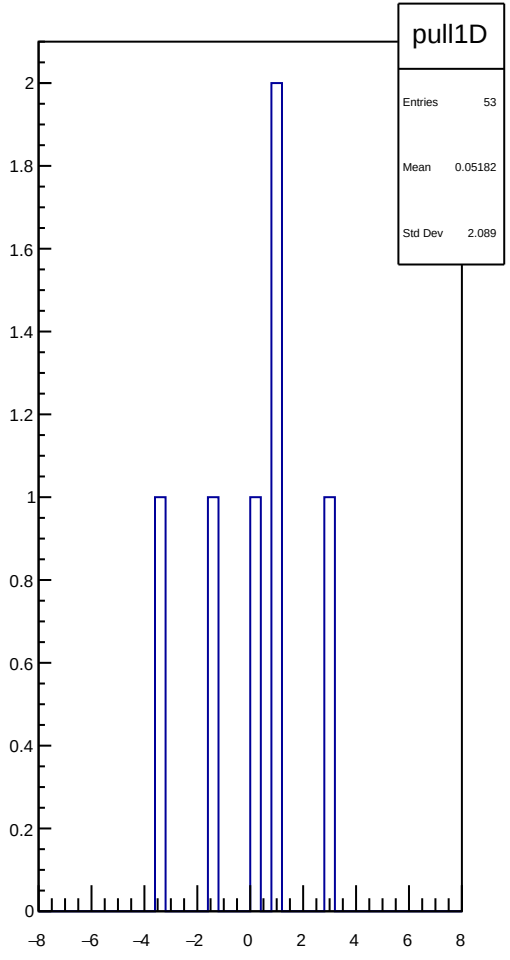

yield_bpm4ecY_rms vs run
χ² / ndf 1.494e+05 / 52
p0 0.02537 ± 2.633e−05
0.25
0.2
0.15
0.1
0.05
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

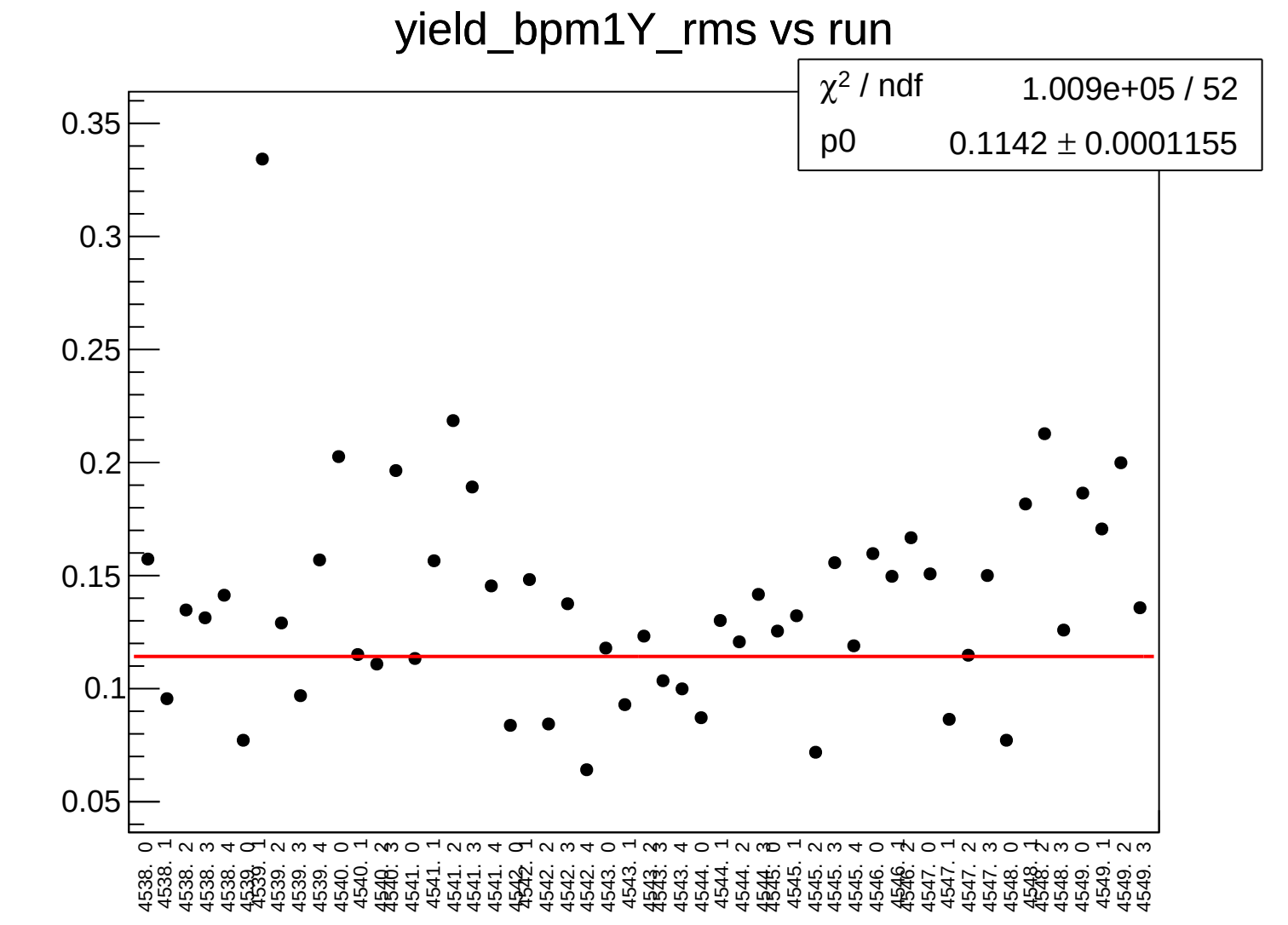

yield_bpm1X_mean vs run
χ² / ndf 3.958e+05 / 52
p0 −0.8145 ± 0.0002059
pull
Entries 53
Mean −156.1
Std Dev 173.2

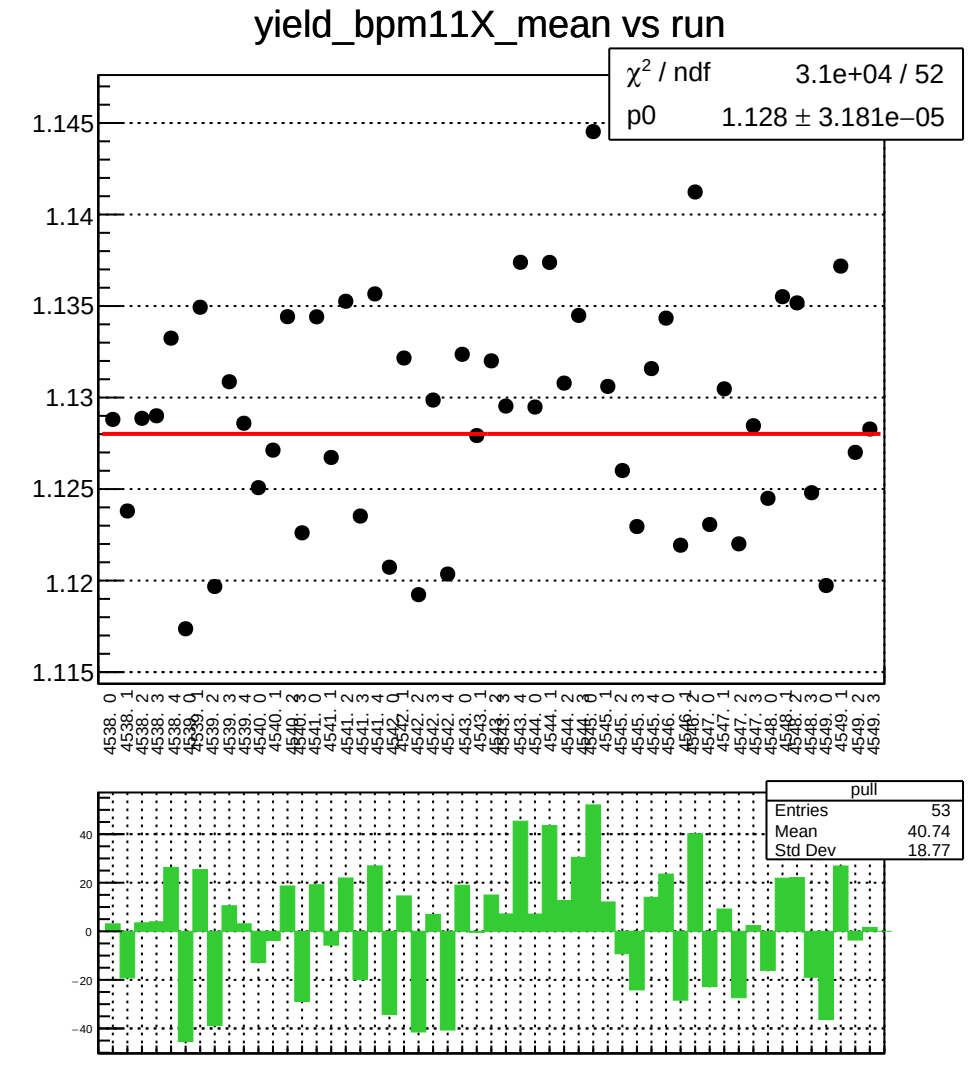

pull1D
Entries 53
Mean −1.117
Std Dev 4.808

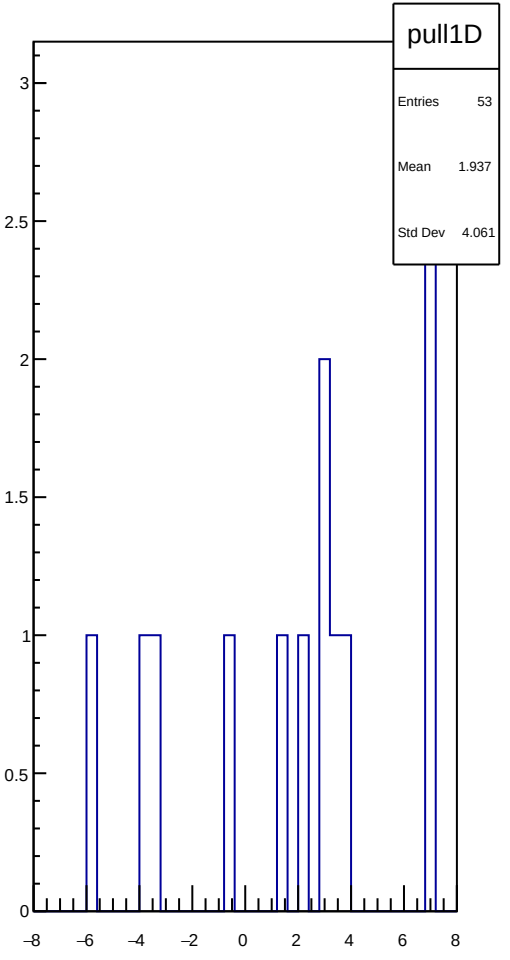

yield_bpm1X_rms vs run
χ² / ndf 8.245e+04 / 52
p0 0.1453 ± 0.0001456
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

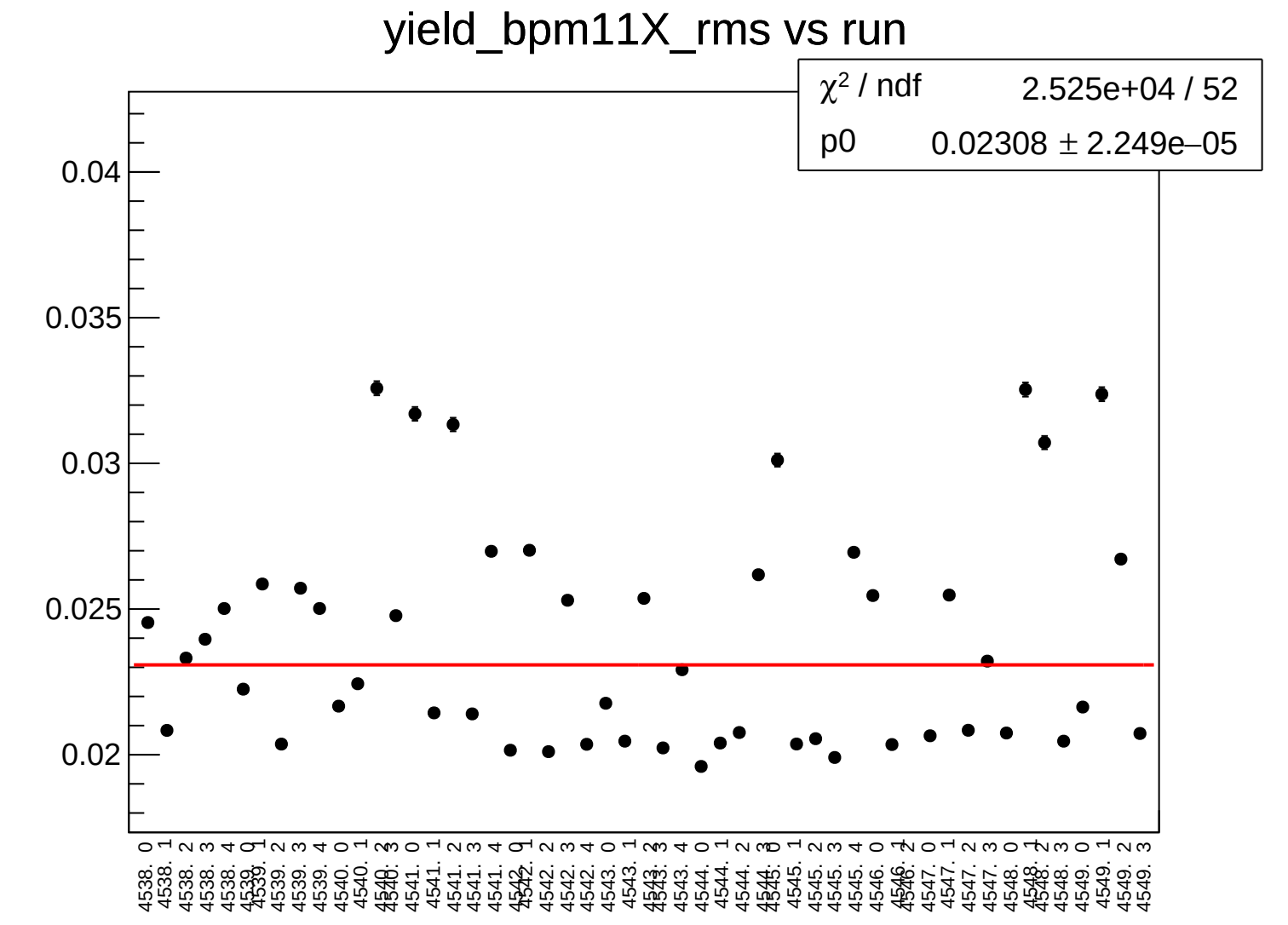

yield_bpm1Y_mean vs run
χ² / ndf 8.604e+05 / 52
p0 −0.6186 ± 0.0001634
pull
Entries 53
Mean 1464
Std Dev 1443

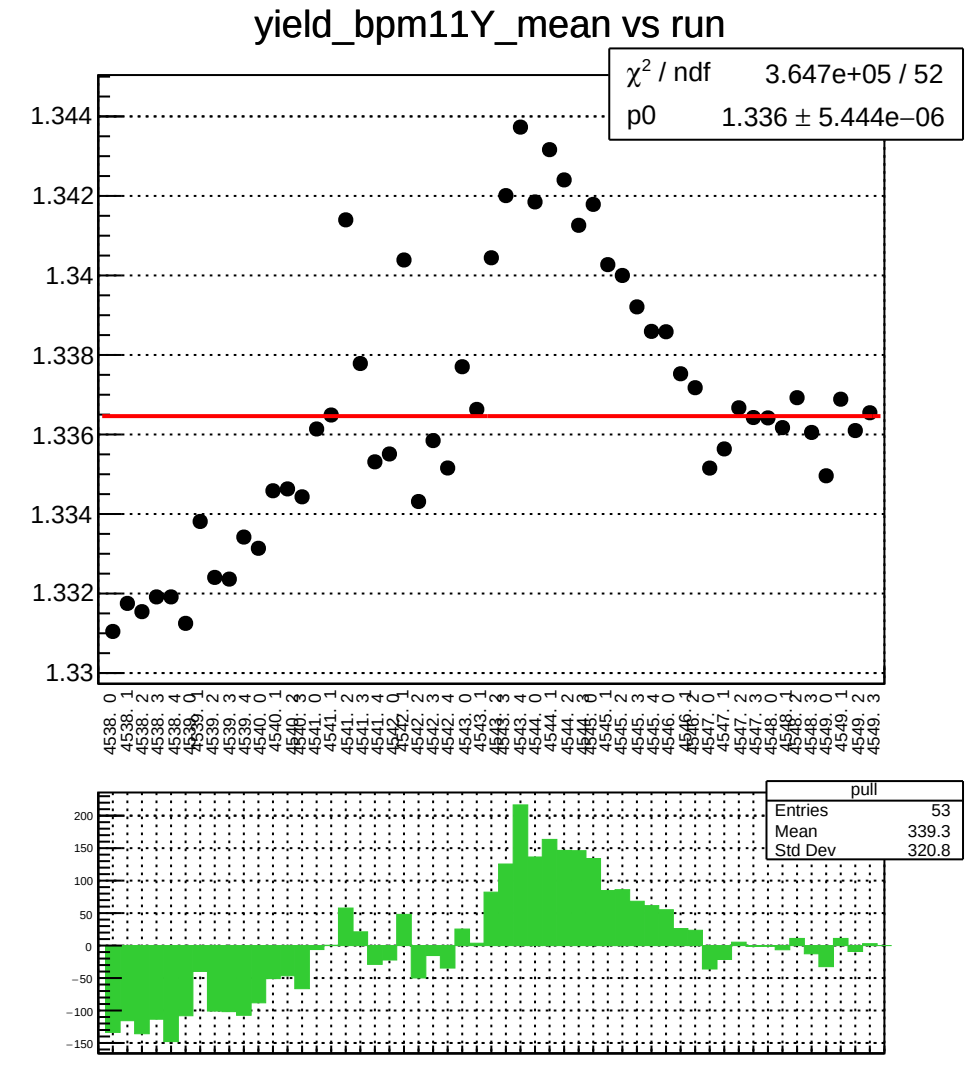

pull1D
Entries 53
Mean 0.05182
Std Dev 2.089

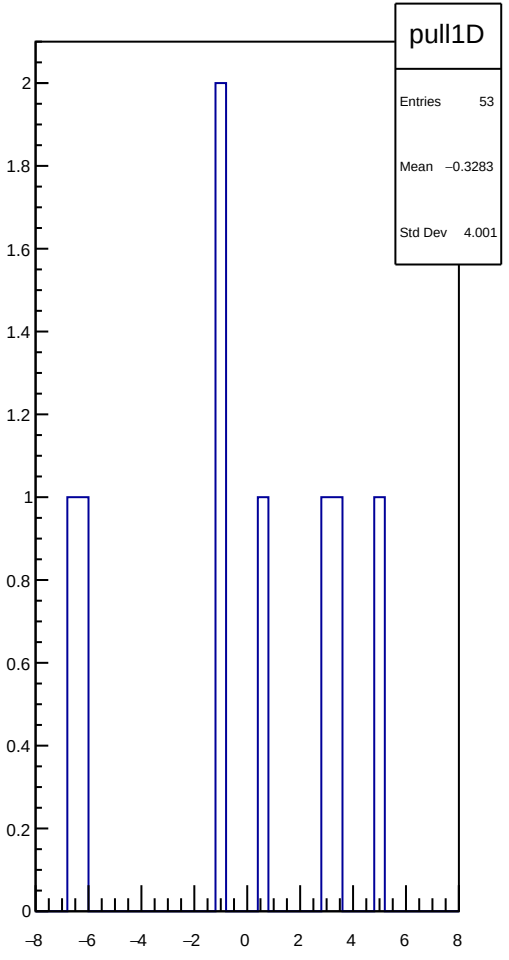

yield_bpm1Y_rms vs run
χ² / ndf 1.009e+05 / 52
p0 0.1142 ± 0.0001155
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

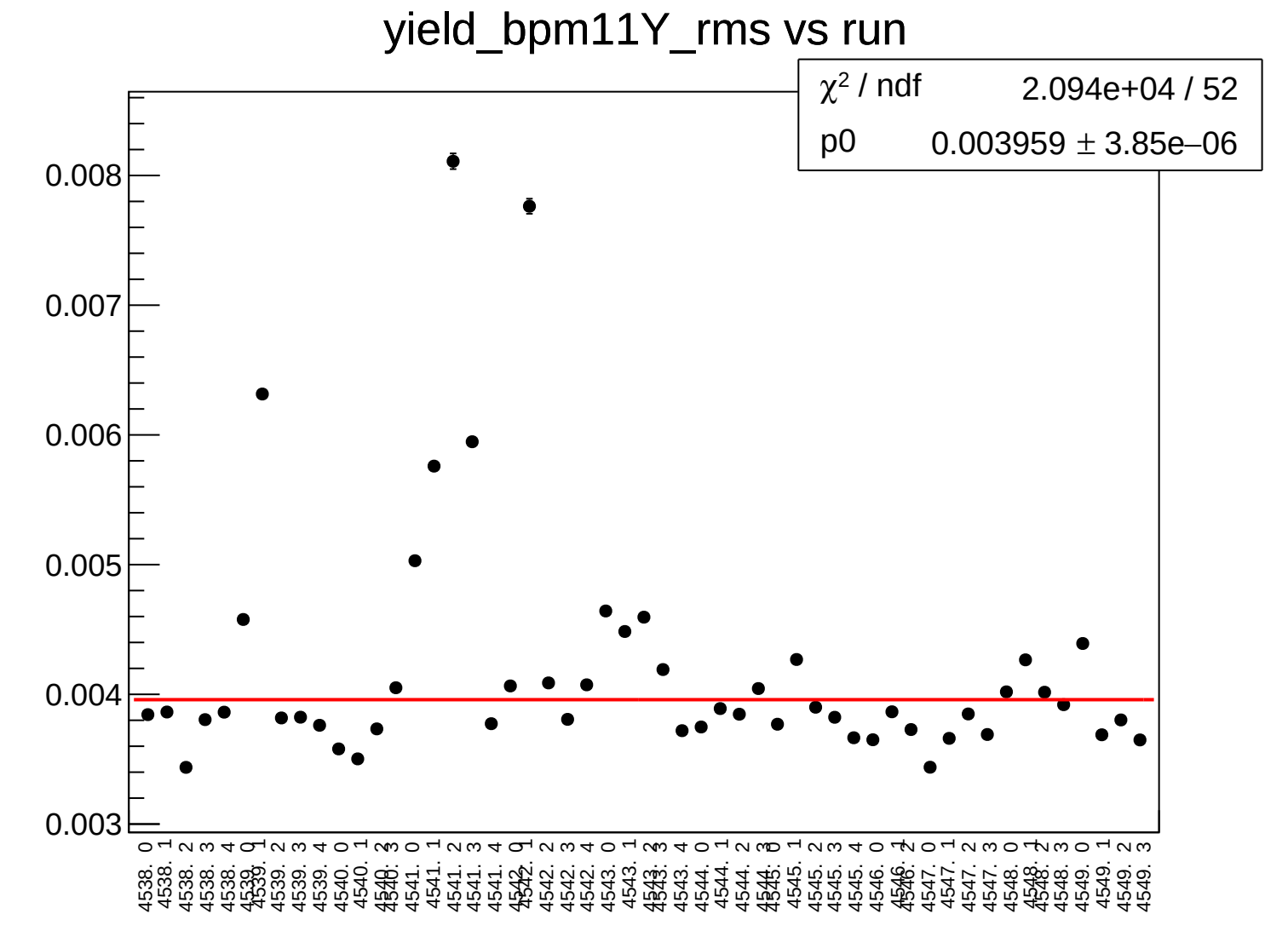

yield_bpm11X_mean vs run
χ² / ndf 3.1e+04 / 52
p0 1.128 ± 3.181e−05
1.145
1.14
1.135
1.13
1.125
1.12
1.115
pull
Entries 53
Mean 40.74
Std Dev 18.77
40
20
0
−20
−40

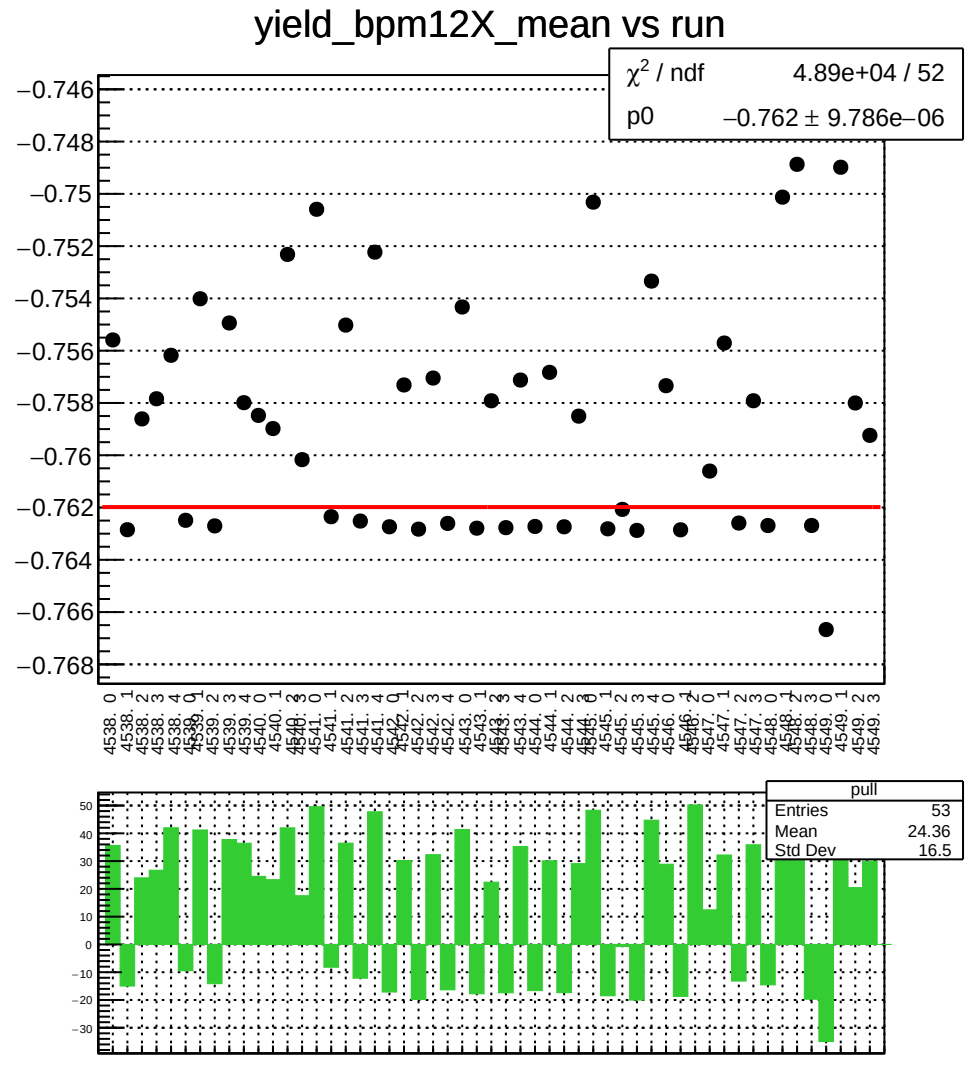

pull1D
Entries 53
Mean 1.937
Std Dev 4.061
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

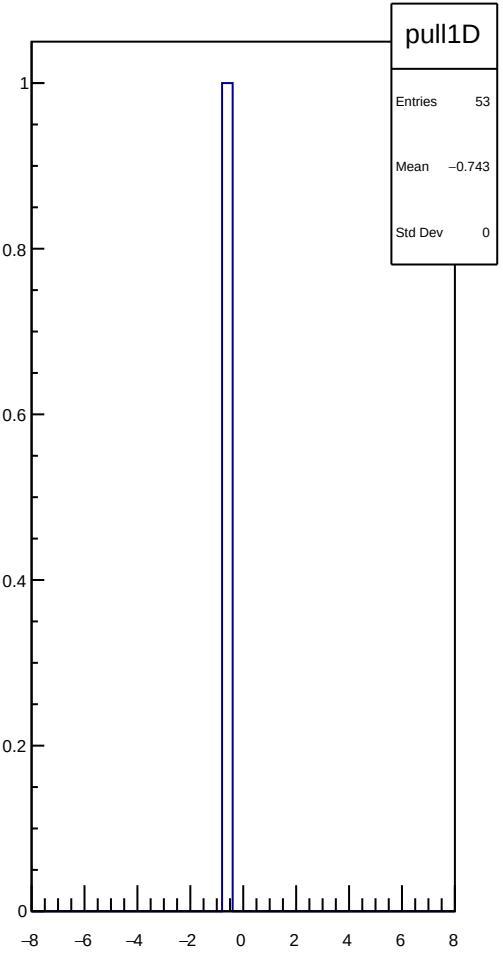

yield_bpm11X_rms vs run
χ² / ndf 2.525e+04 / 52
p0 0.02308 ± 2.249e−05
0.04
0.035
0.03
0.025
0.02
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

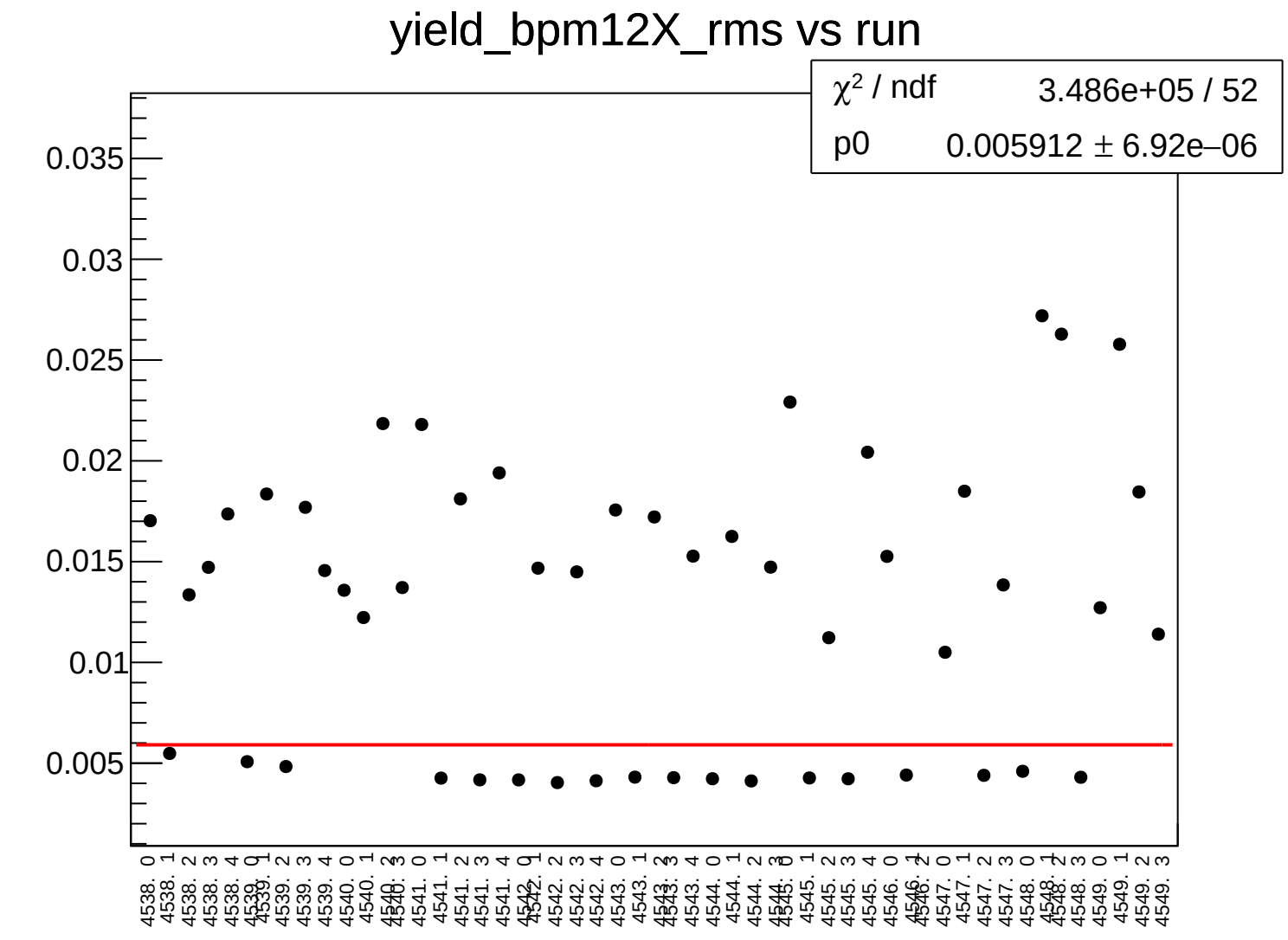

yield_bpm11Y_mean vs run
χ² / ndf 3.647e+05 / 52
p0 1.336 ± 5.444e−06
pull
Entries 53
Mean 339.3
Std Dev 320.8

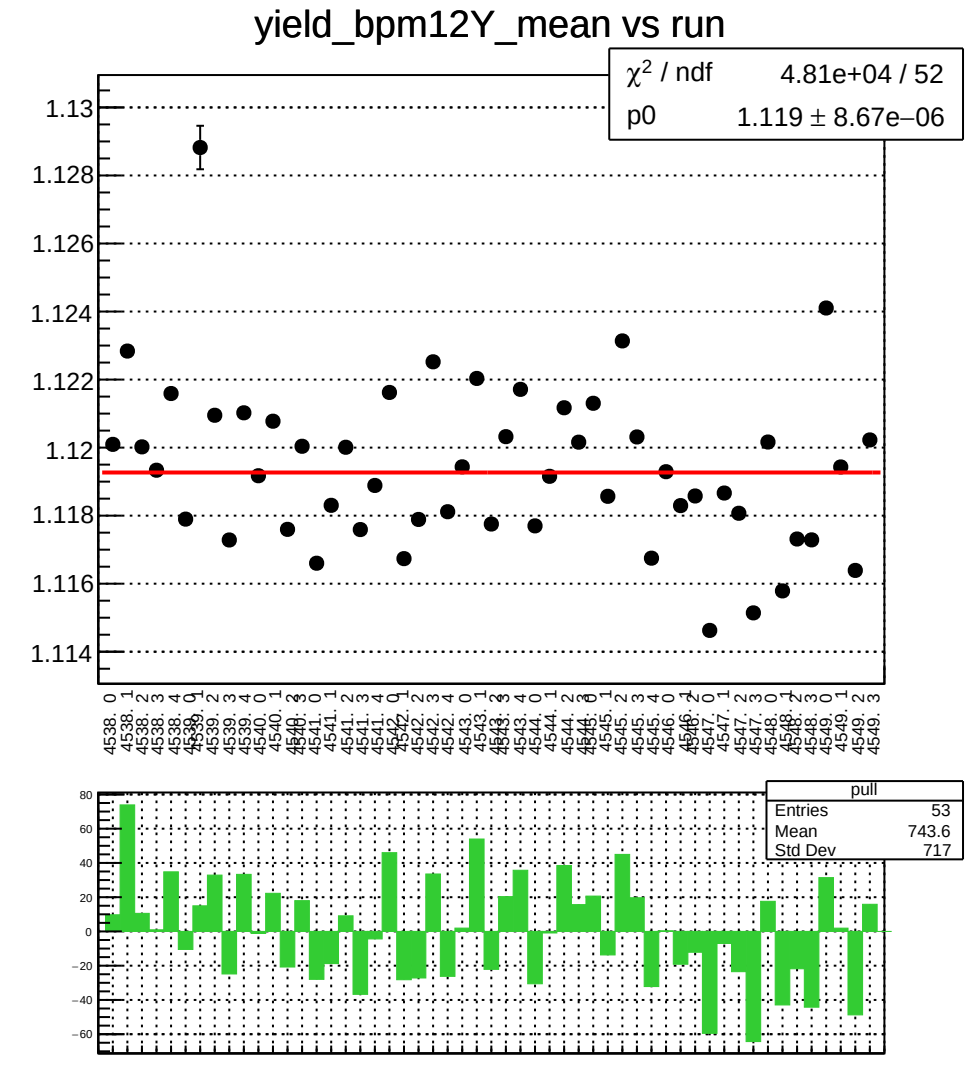

pull1D
Entries 53
Mean −0.3283
Std Dev 4.001

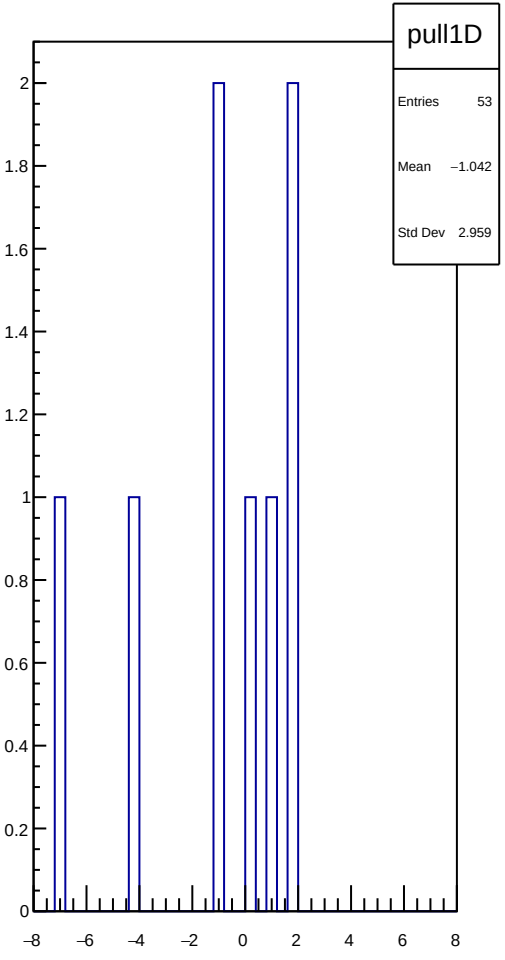

yield_bpm11Y_rms vs run
χ² / ndf 2.094e+04 / 52
p0 0.003959 ± 3.85e–06
0.008
0.007
0.006
0.005
0.004
0.003
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

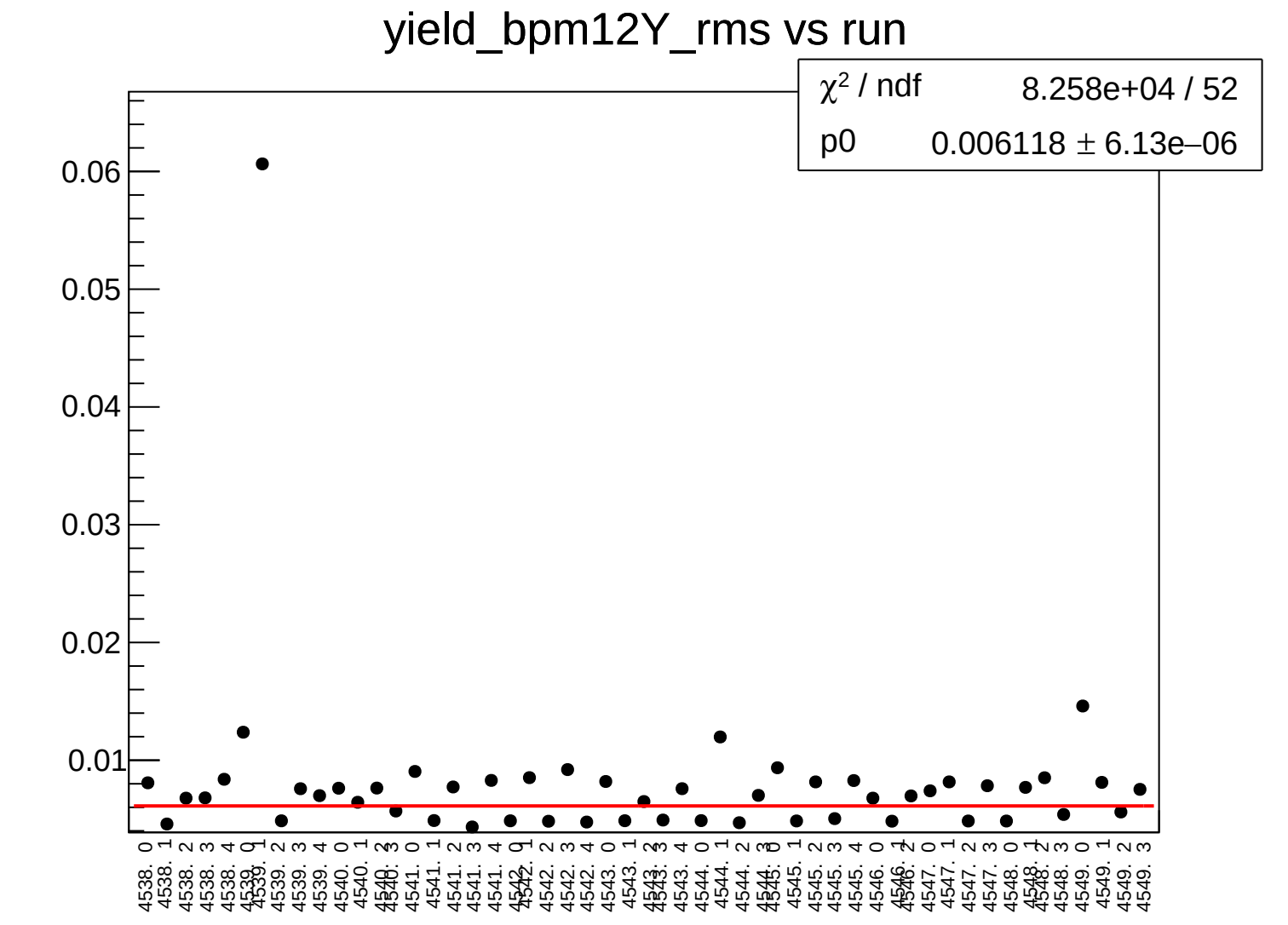

yield_bpm12X_mean vs run
χ² / ndf 4.89e+04 / 52
p0 −0.762 ± 9.786e−06
pull
Entries 53
Mean 24.36
Std Dev 16.5

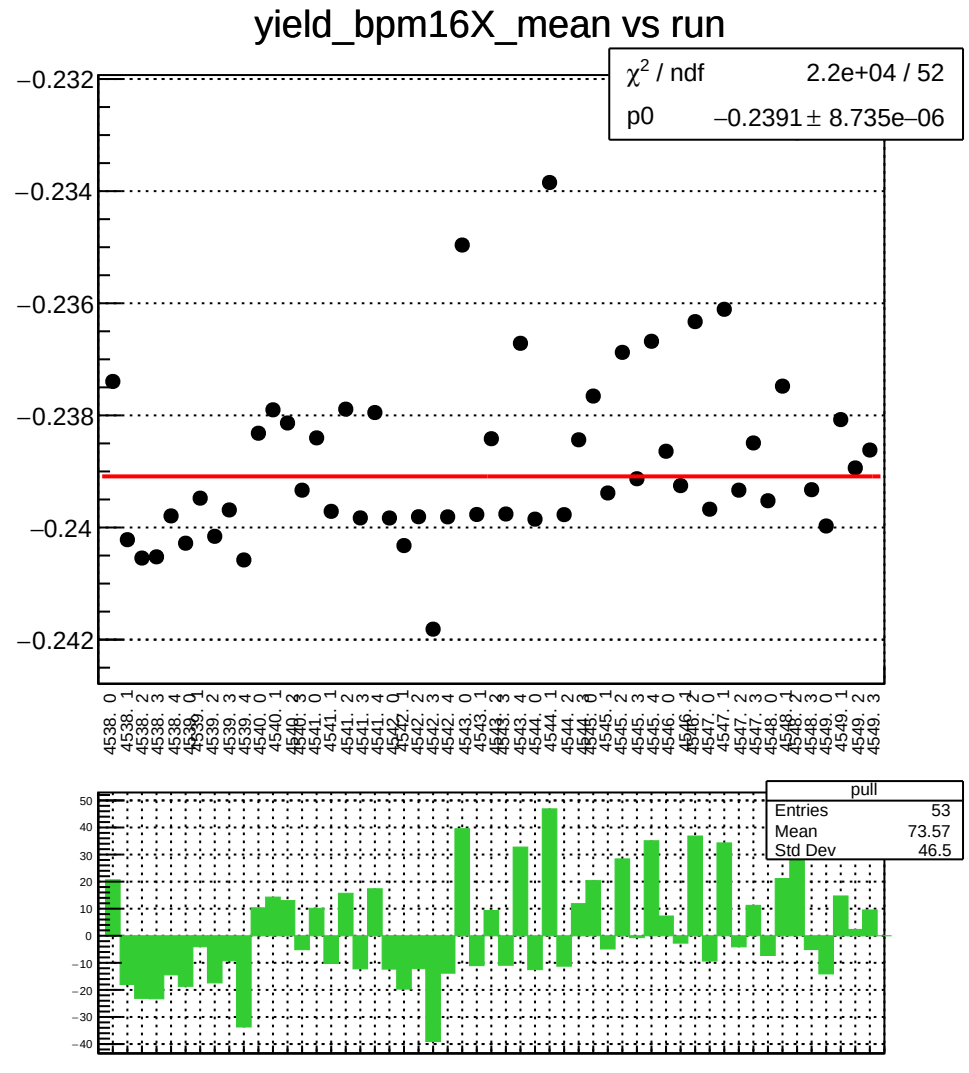

pull1D
Entries 53
Mean −0.743
Std Dev 0

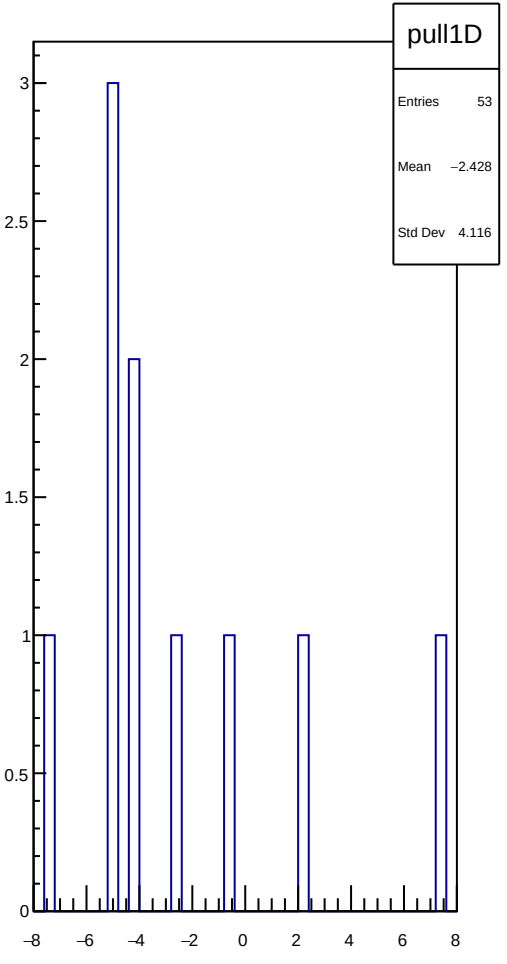

yield_bpm12X_rms vs run
χ² / ndf 3.486e+05 / 52
p0 0.005912 ± 6.92e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

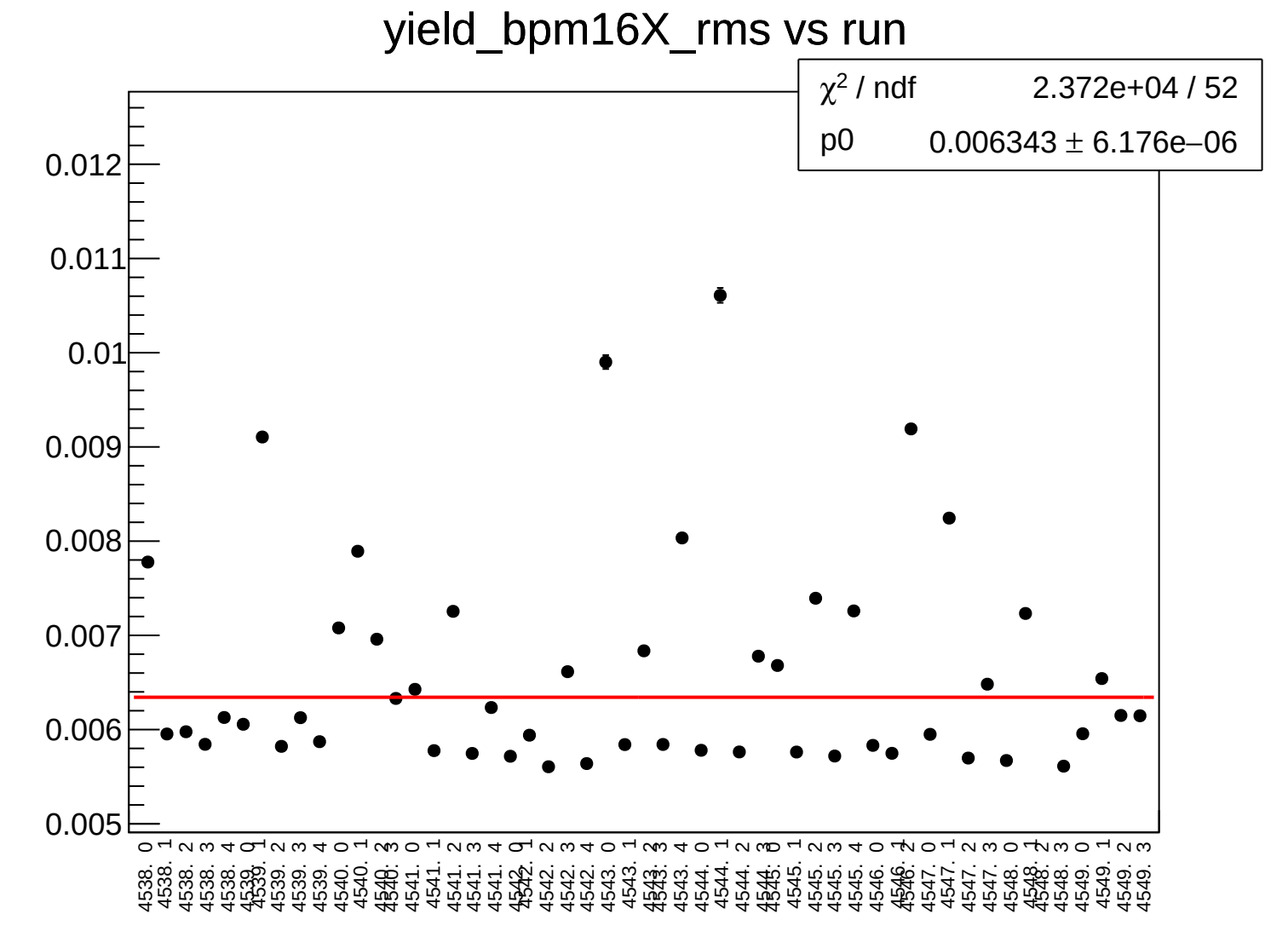

yield_bpm12Y_mean vs run
χ² / ndf 4.81e+04 / 52
p0 1.119 ± 8.67e−06
1.13
1.128
1.126
1.124
1.122
1.12
1.118
1.116
1.114
pull
Entries 53
Mean 743.6
Std Dev 717
80
60
40
20
0
−20
−40
−60

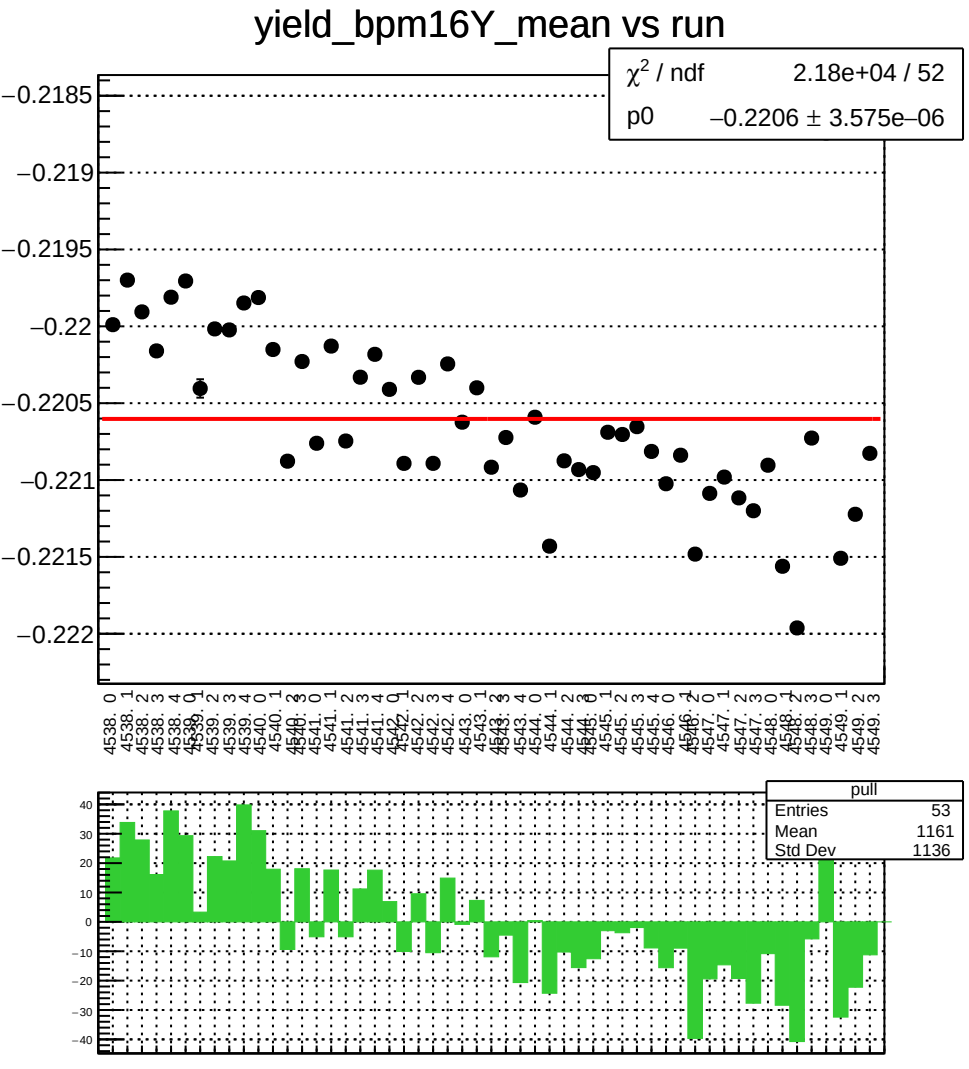

pull1D
Entries 53
Mean −1.042
Std Dev 2.959
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

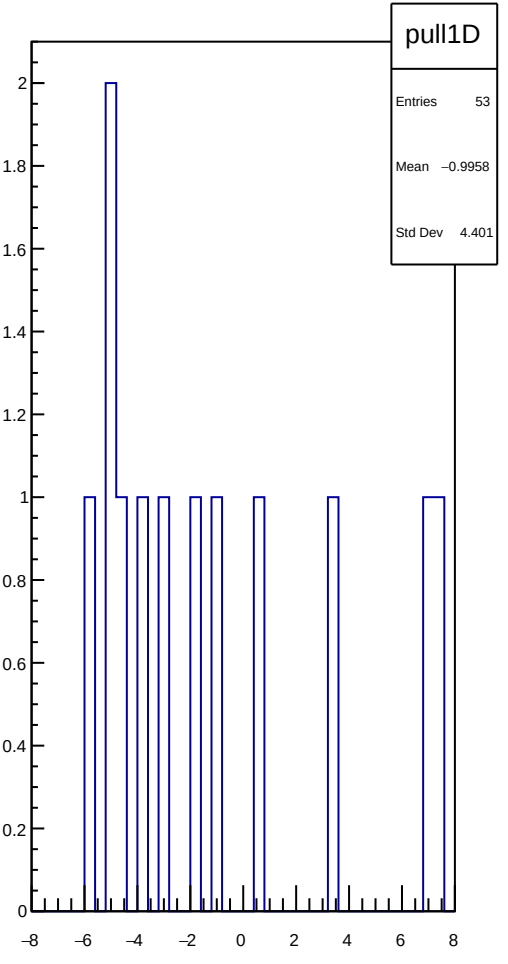

yield_bpm12Y_rms vs run
χ² / ndf 8.258e+04 / 52
p0 0.006118 ± 6.13e–06
0.06
0.05
0.04
0.03
0.02
0.01
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

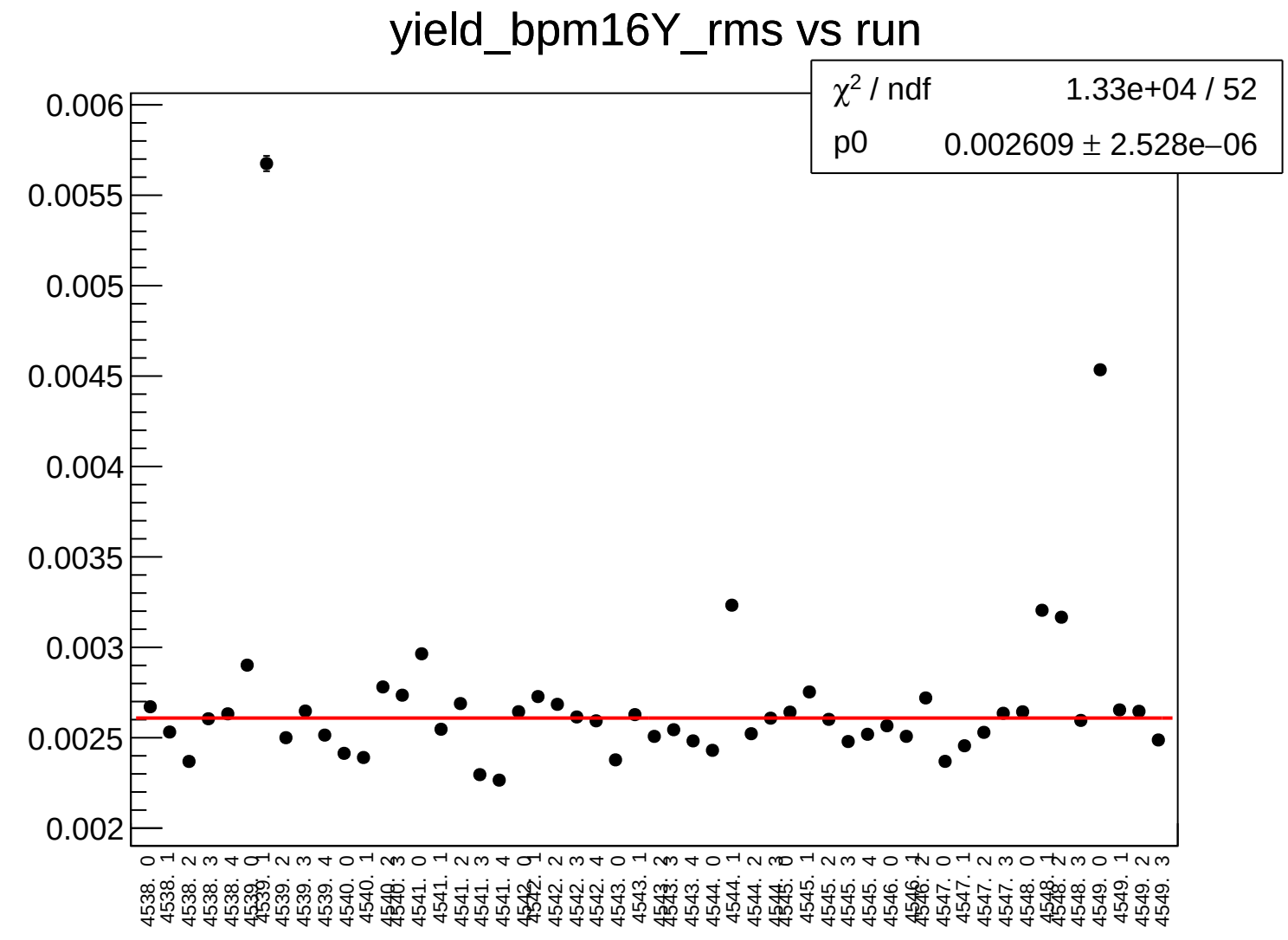

yield_bpm16X_mean vs run
χ² / ndf 2.2e+04 / 52
p0 −0.2391 ± 8.735e−06
−0.232
−0.234
−0.236
−0.238
−0.24
−0.242
pull
Entries 53
Mean 73.57
Std Dev 46.5
50
40
30
20
10
0
−10
−20
−30
−40

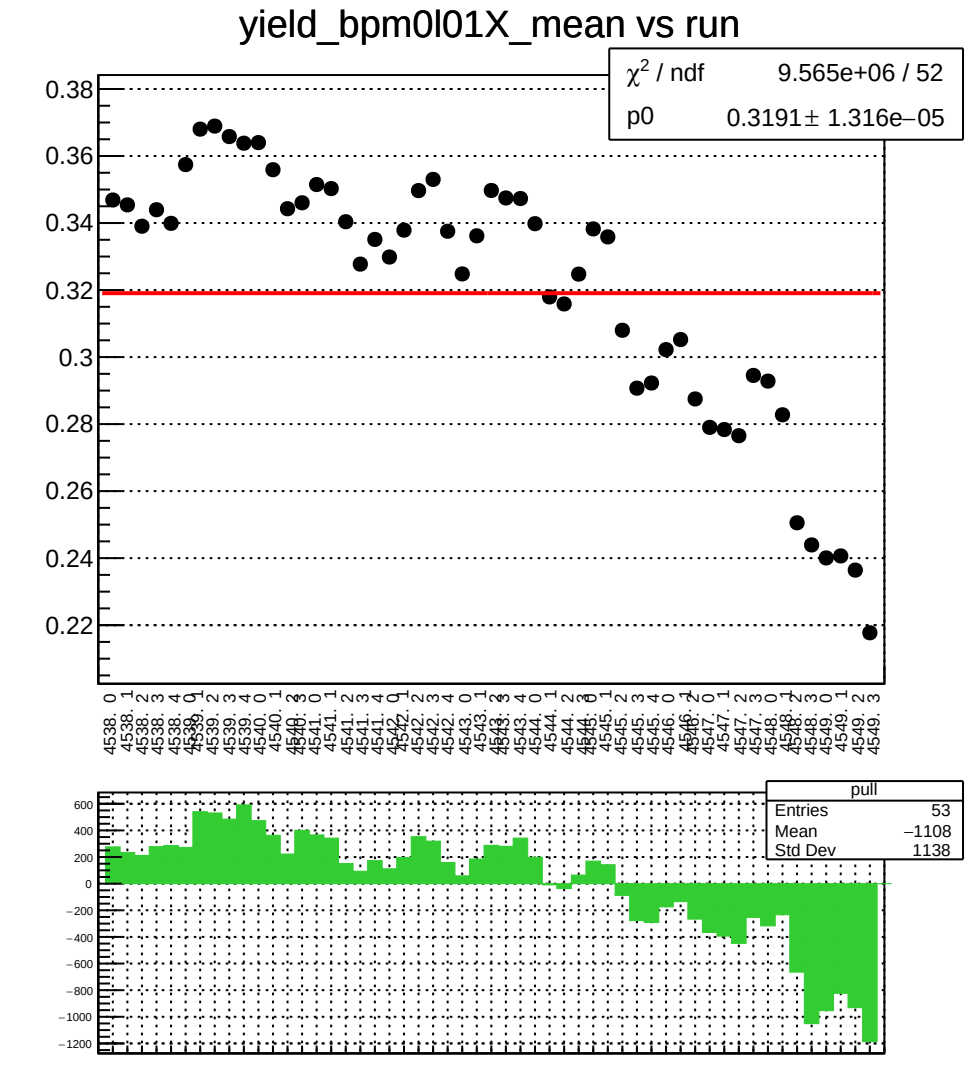

pull1D
Entries 53
Mean −2.428
Std Dev 4.116
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

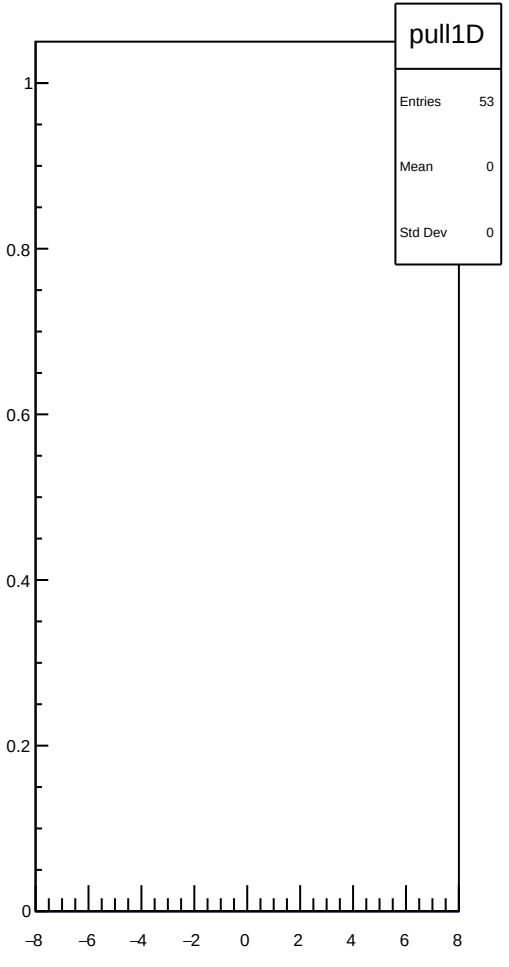

yield_bpm16X_rms vs run
χ² / ndf 2.372e+04 / 52
p0 0.006343 ± 6.176e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

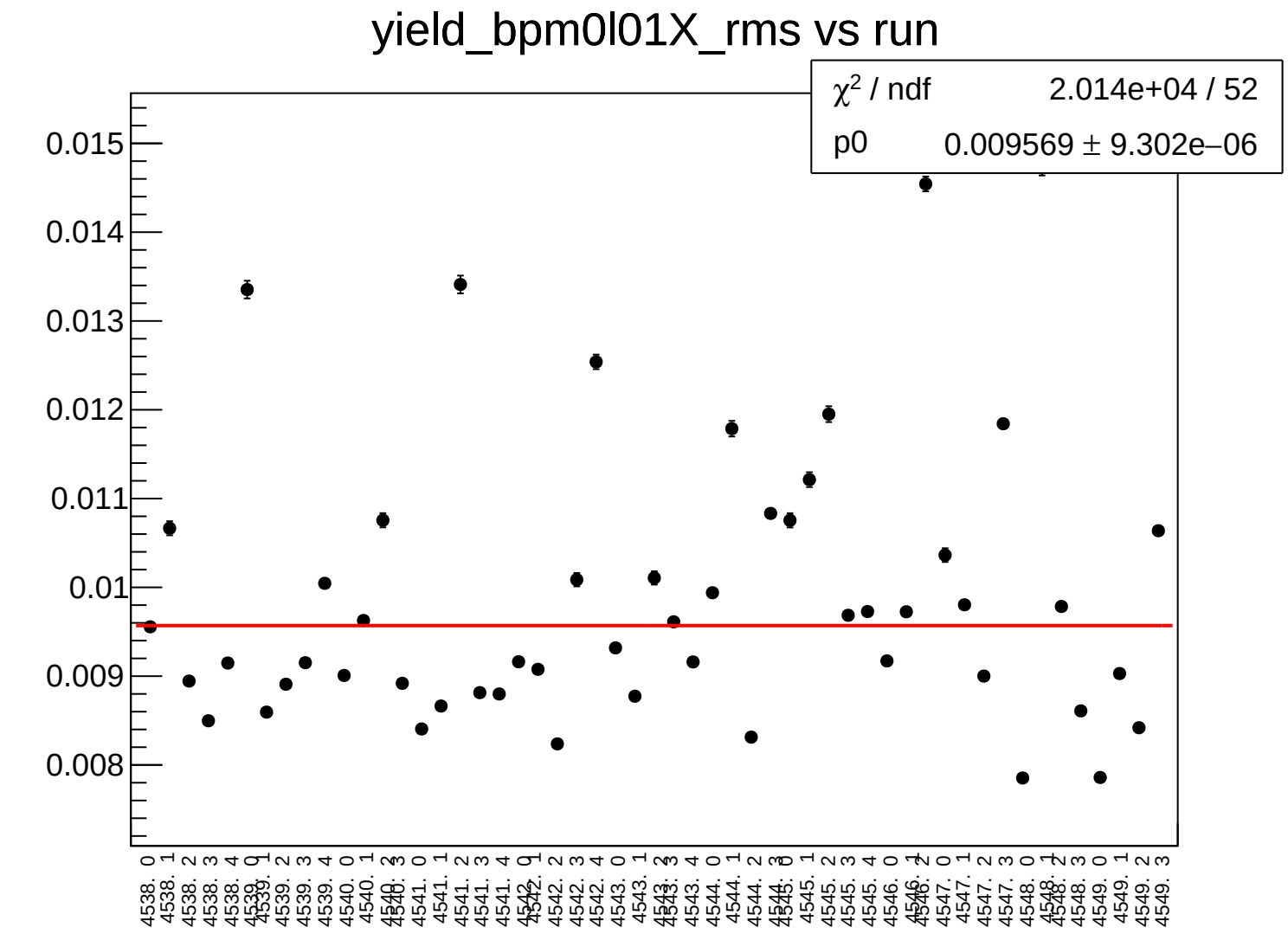

yield_bpm16Y_mean vs run
χ² / ndf 2.18e+04 / 52
p0 −0.2206 ± 3.575e−06
−0.2185
−0.219
−0.2195
−0.22
−0.2205
−0.221
−0.2215
−0.222
pull
Entries 53
Mean 1161
Std Dev 1136
40
30
20
10
0
−10
−20
−30
−40

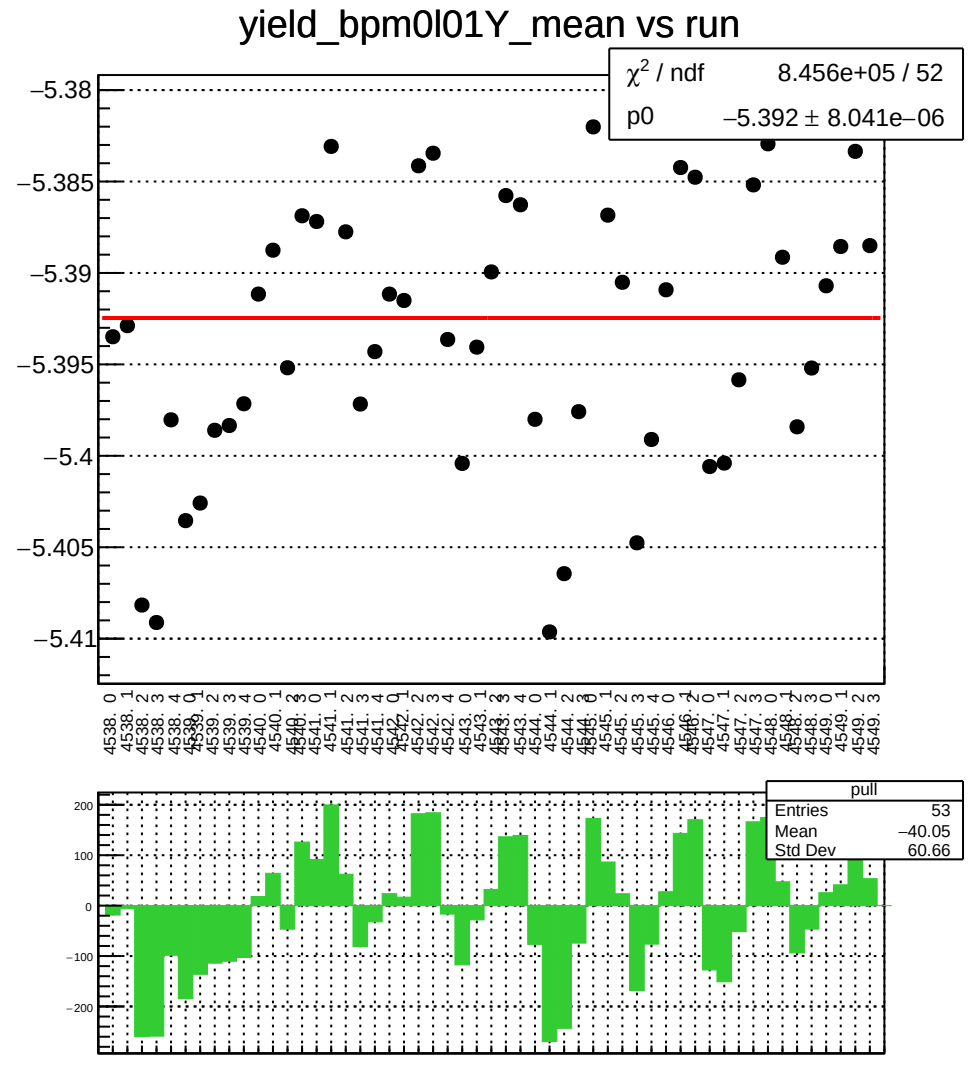

pull1D
Entries 53
Mean −0.9958
Std Dev 4.401
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

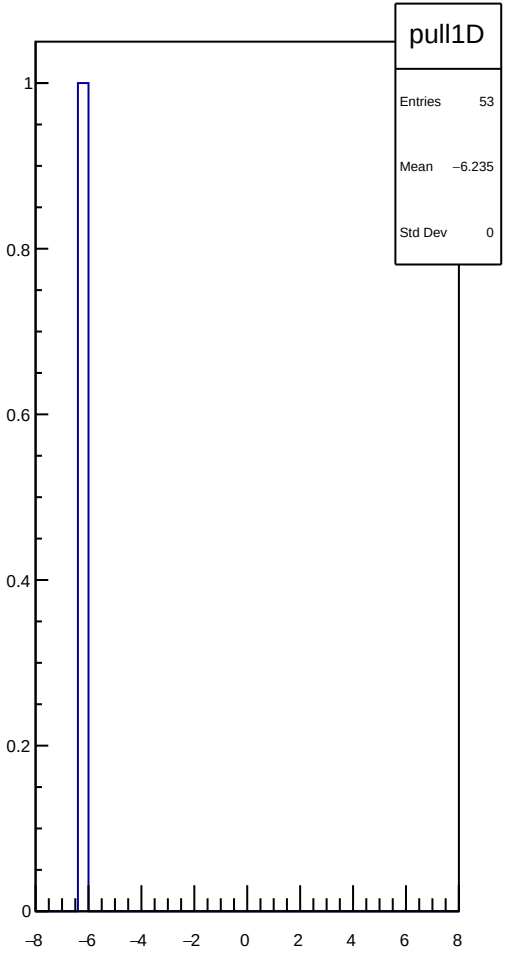

yield_bpm16Y_rms vs run
χ² / ndf 1.33e+04 / 52
p0 0.002609 ± 2.528e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

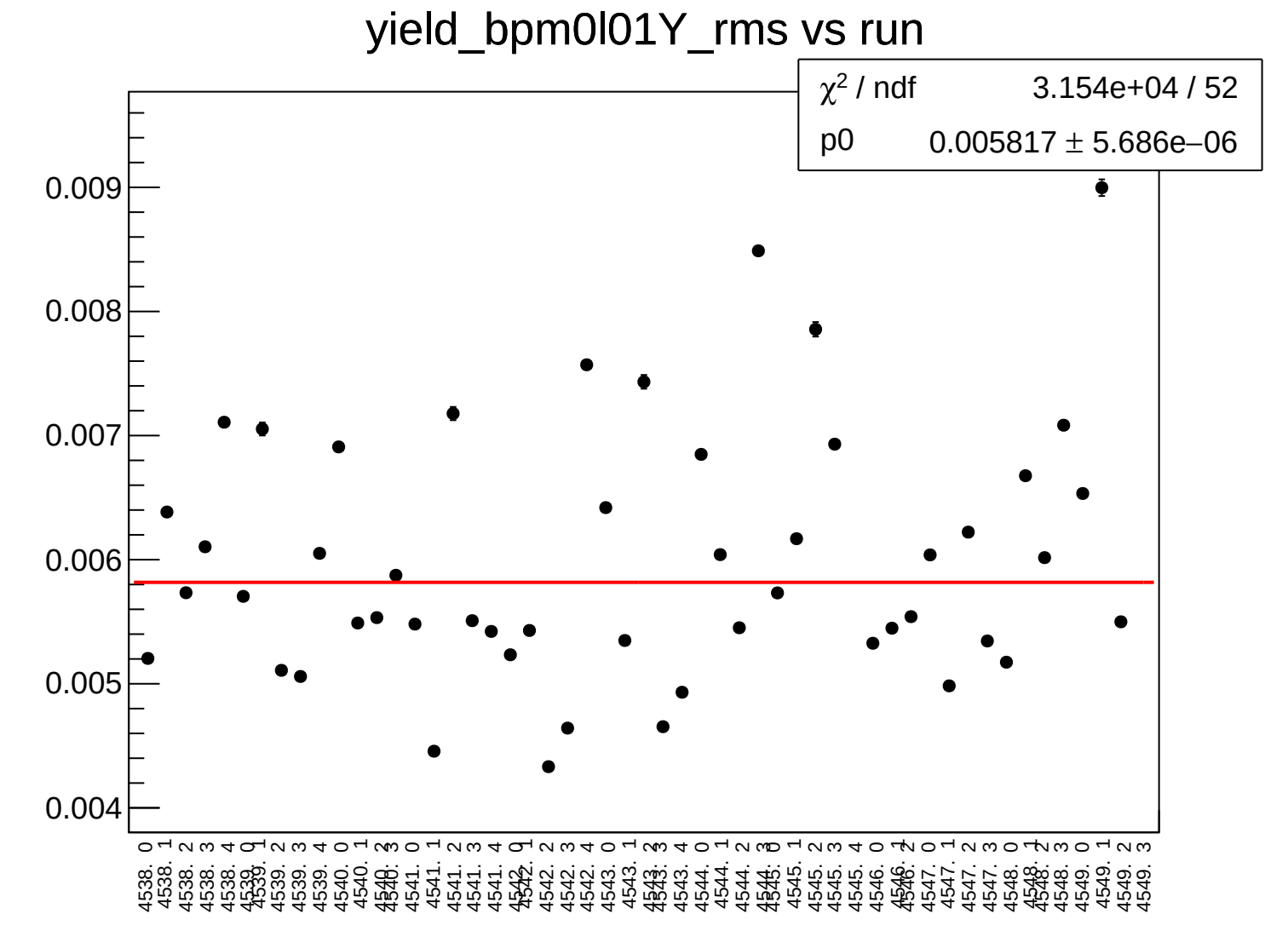

yield_bpm0l01X_mean vs run
χ² / ndf 9.565e+06 / 52
p0 0.3191 ± 1.316e−05
0.38
0.36
0.34
0.32
0.3
0.28
0.26
0.24
0.22
pull
Entries 53
Mean −1108
Std Dev 1138
600
400
200
0
−200
−400
−600
−800
−1000
−1200

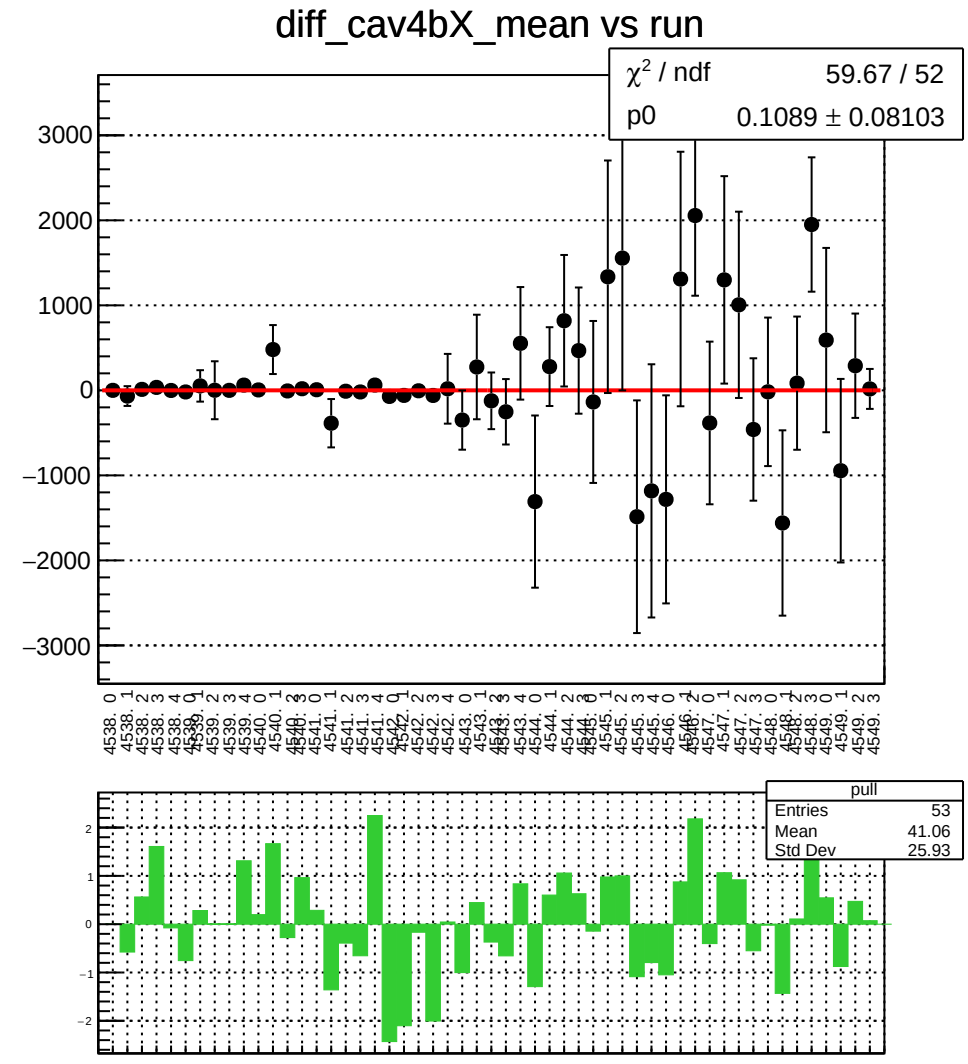

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

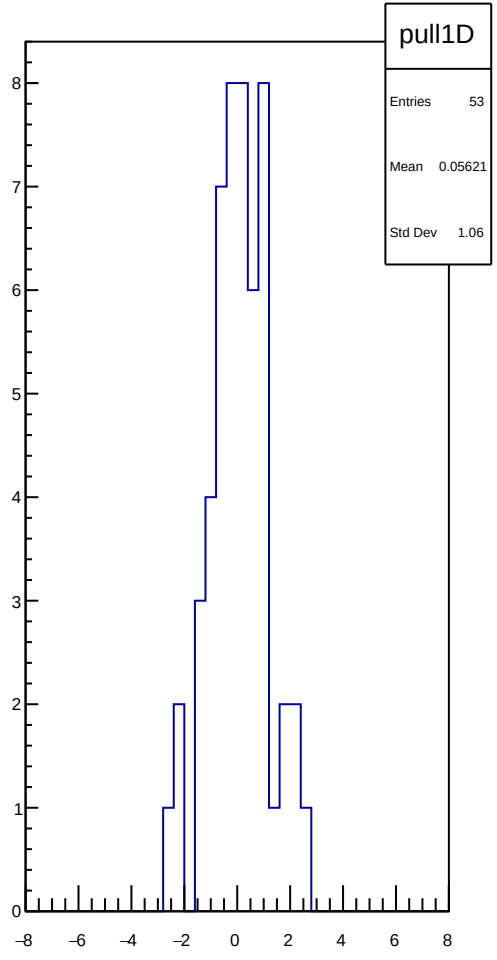

yield_bpm0l01X_rms vs run
χ² / ndf 2.014e+04 / 52
p0 0.009569 ± 9.302e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

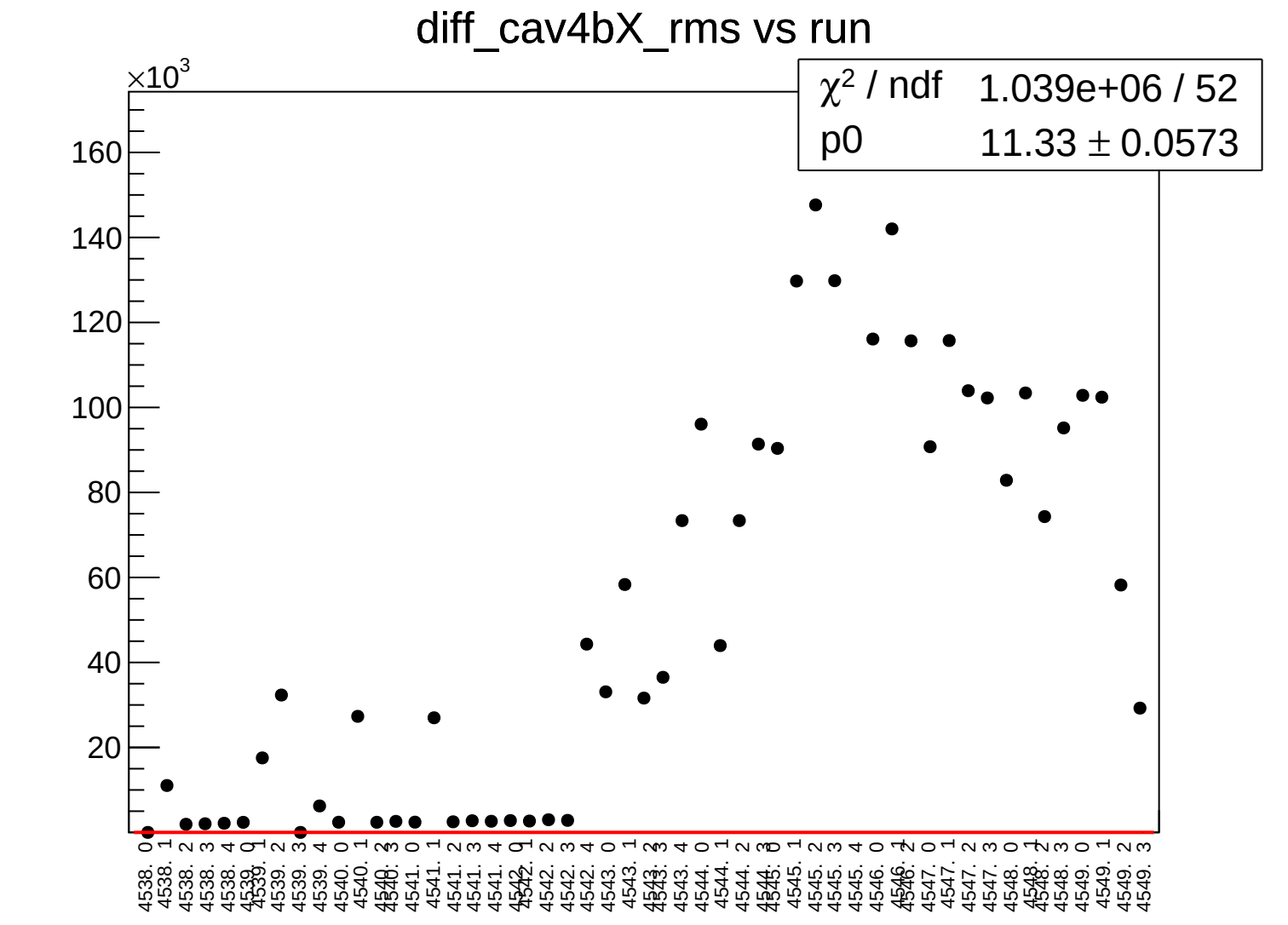

yield_bpm0l01Y_mean vs run
χ² / ndf 8.456e+05 / 52
p0 −5.392 ± 8.041e−06
−5.38
−5.385
−5.39
−5.395
−5.4
−5.405
−5.41
pull
Entries 53
Mean −40.05
Std Dev 60.66
200
100
0
−100
−200

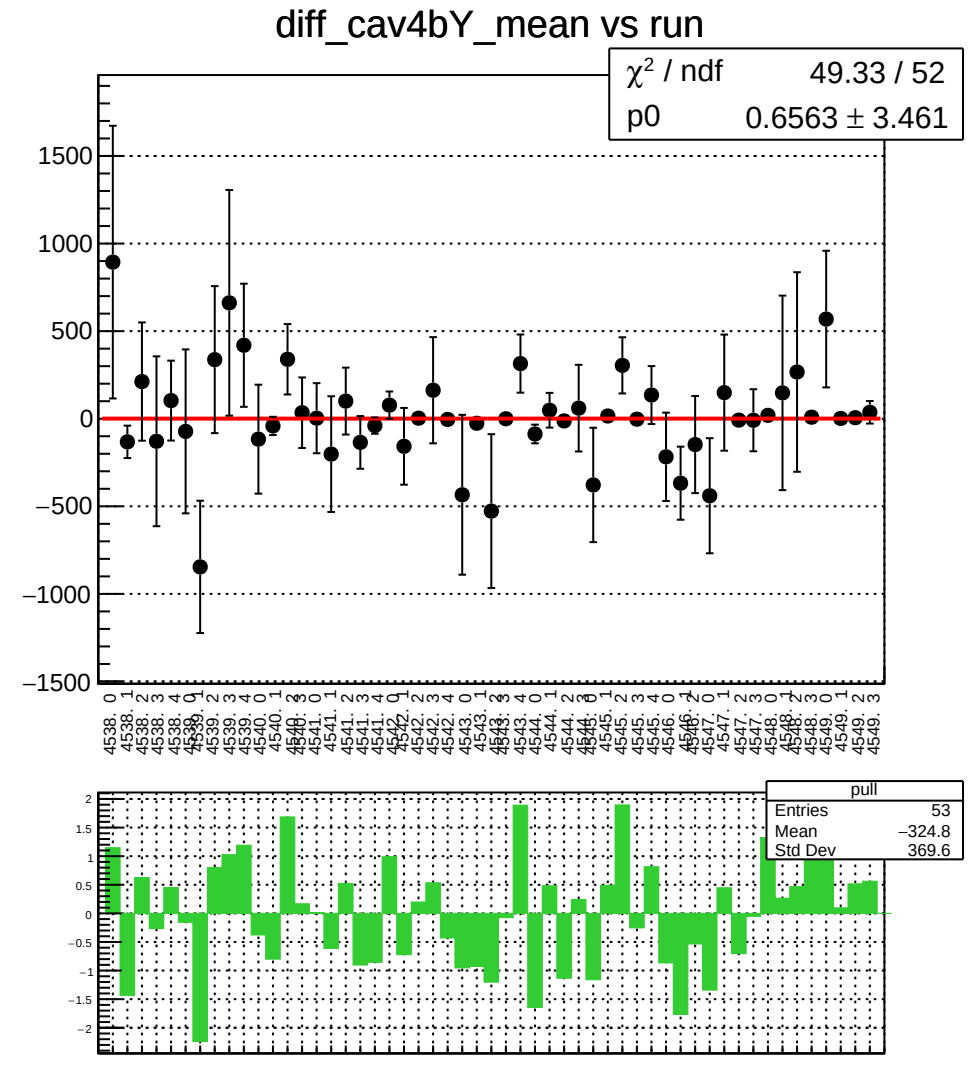

pull1D
Entries 53
Mean −6.235
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

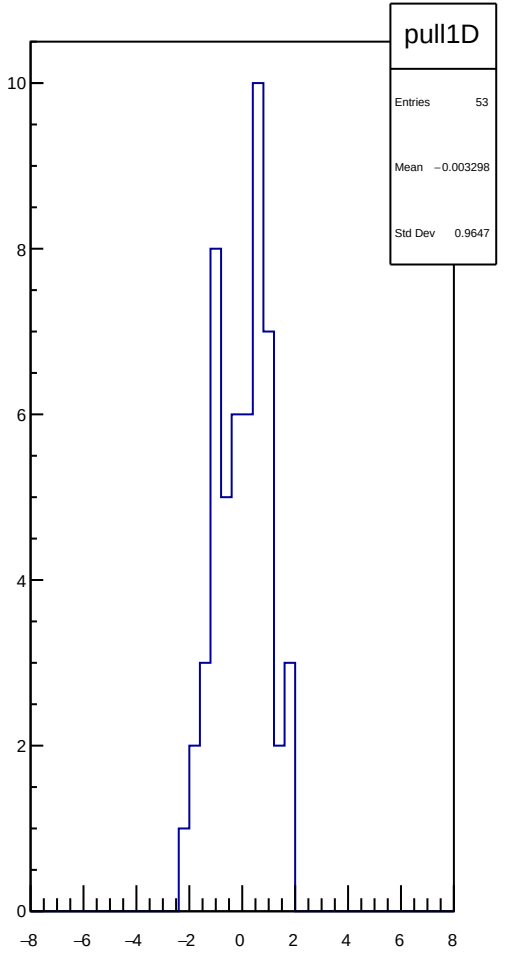

yield_bpm0l01Y_rms vs run
χ² / ndf 3.154e+04 / 52
p0 0.005817 ± 5.686e−06
0.009
0.008
0.007
0.006
0.005
0.004
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

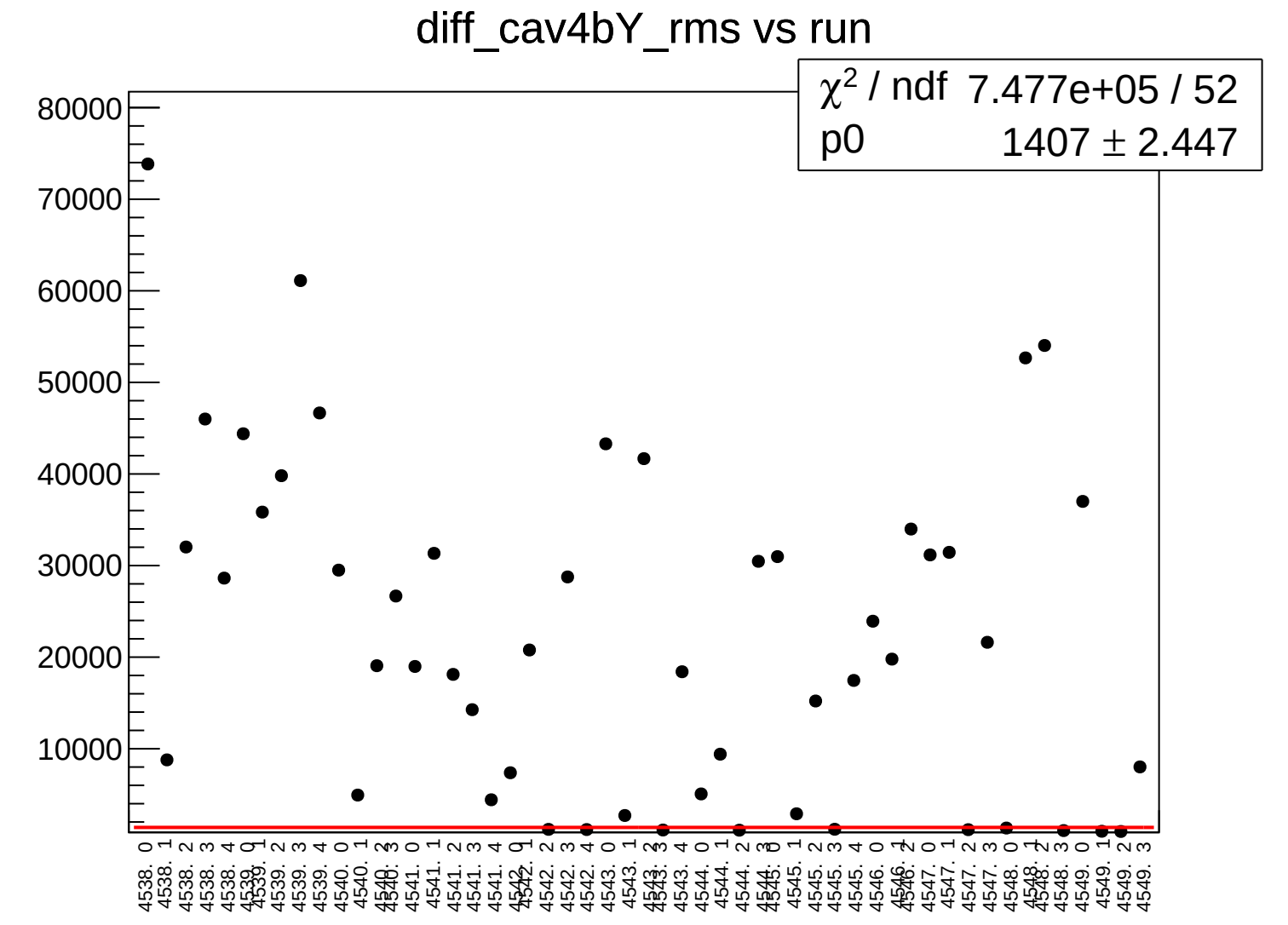

diff_cav4bX_mean vs run
χ² / ndf 59.67 / 52
p0 0.1089 ± 0.08103
pull
Entries 53
Mean 41.06
Std Dev 25.93

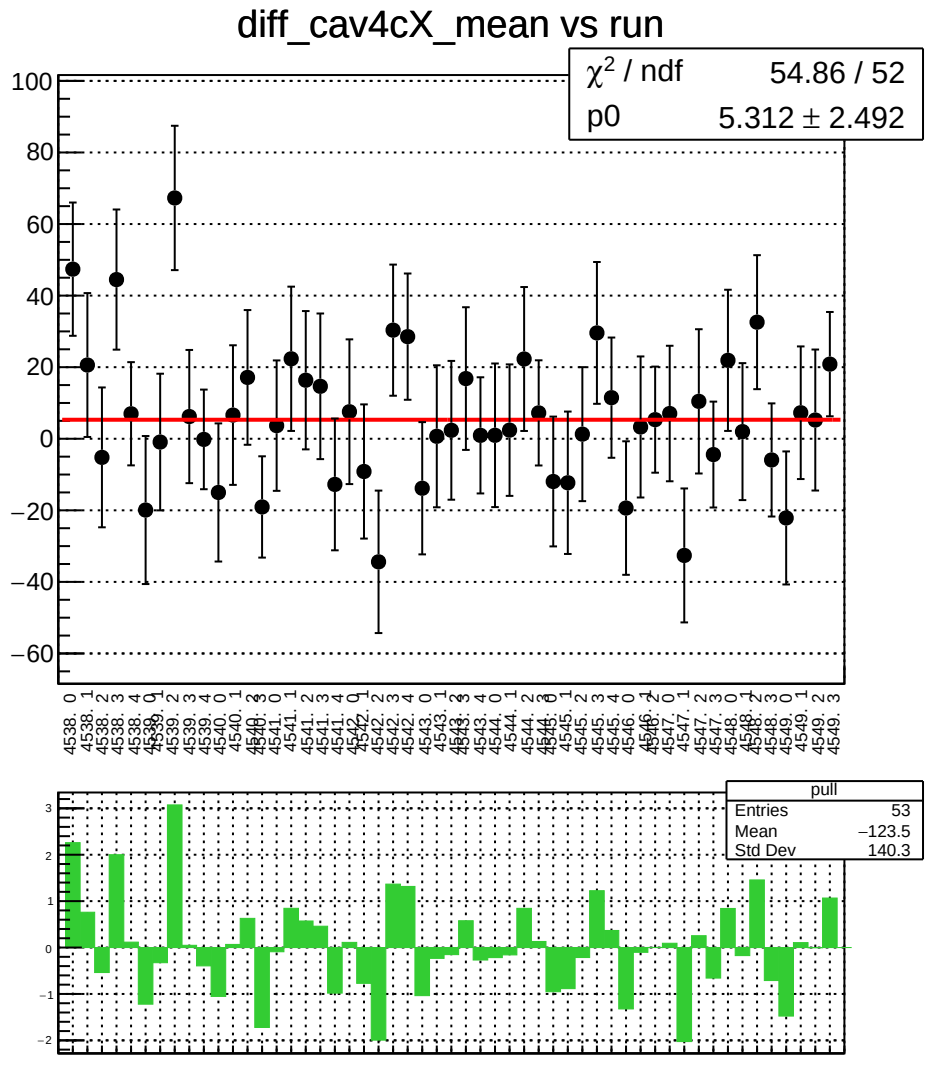

pull1D
Entries 53
Mean 0.05621
Std Dev 1.06

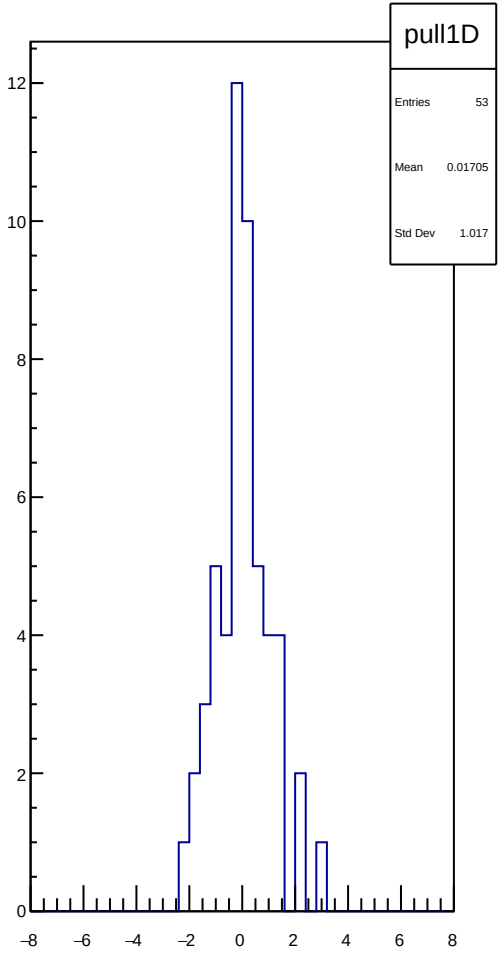

diff_cav4bX_rms vs run
×10^3
χ^2 / ndf 1.039e+06 / 52
p0 11.33 ± 0.0573
160
140
120
100
80
60
40
20
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

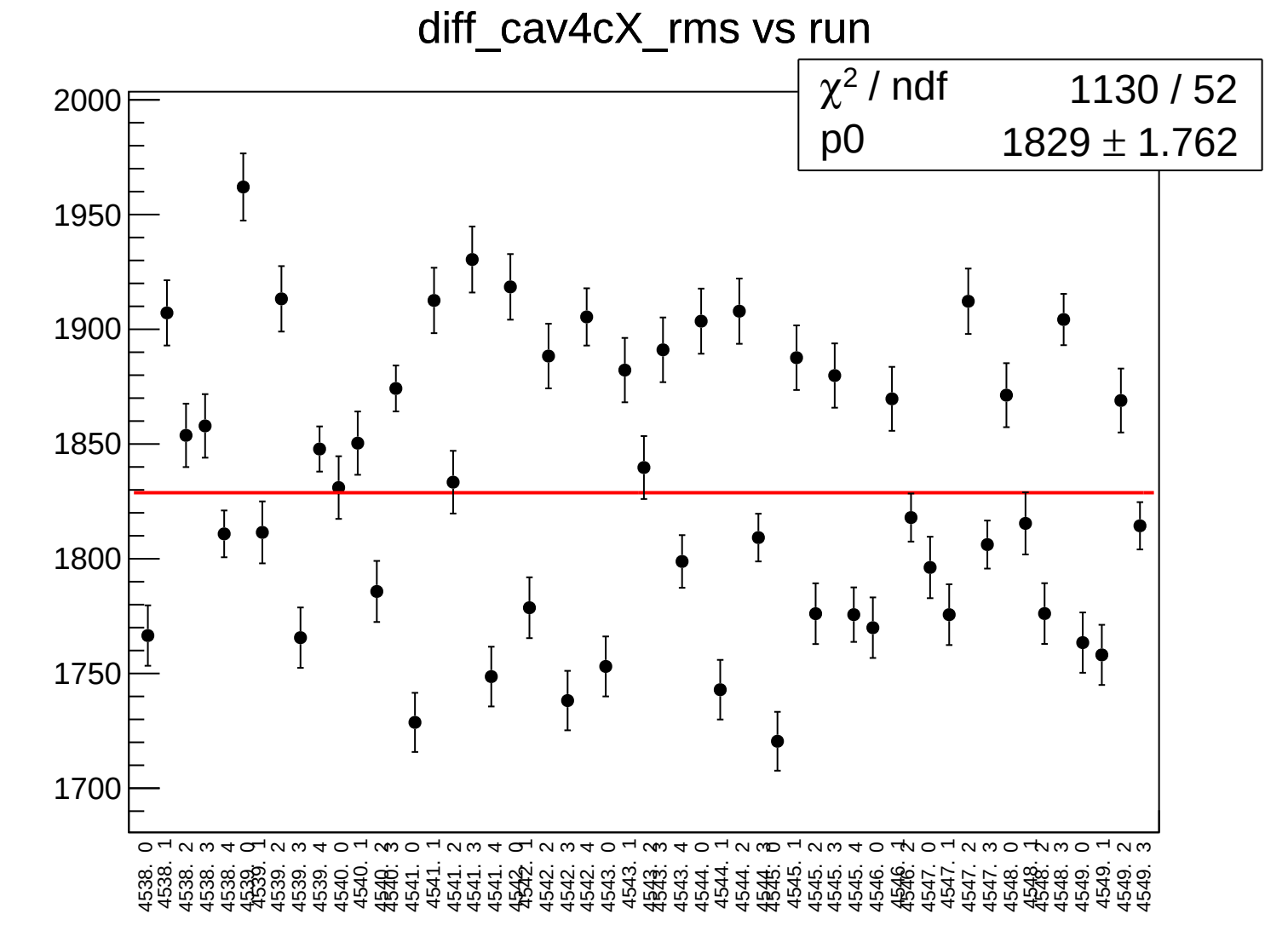

diff_cav4bY_mean vs run
χ² / ndf 49.33 / 52
p0 0.6563 ± 3.461
pull
Entries 53
Mean −324.8
Std Dev 369.6

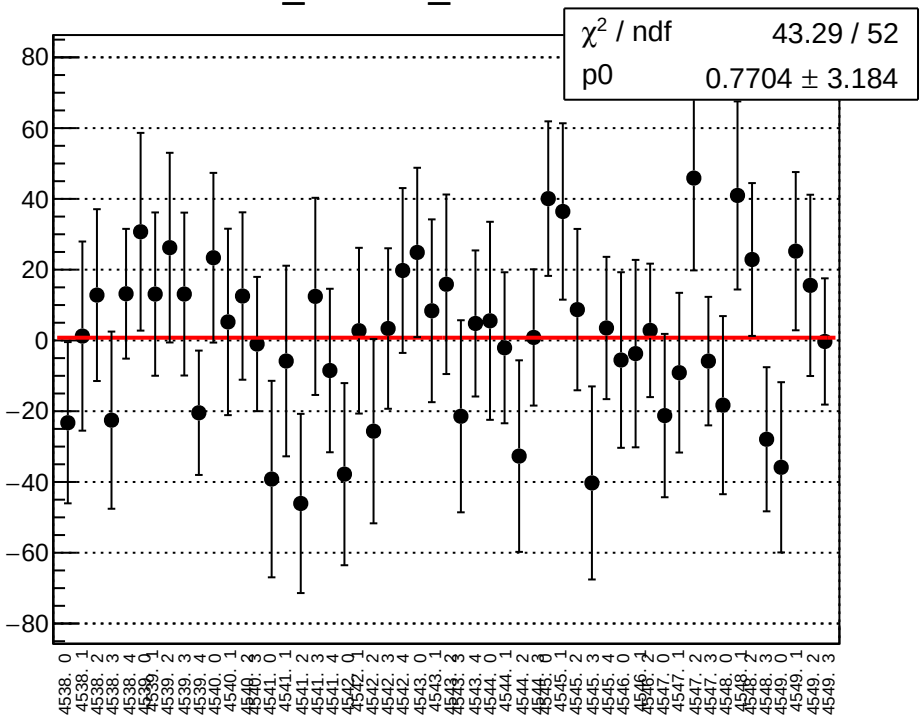

pull1D
Entries 53
Mean −0.003298
Std Dev 0.9647

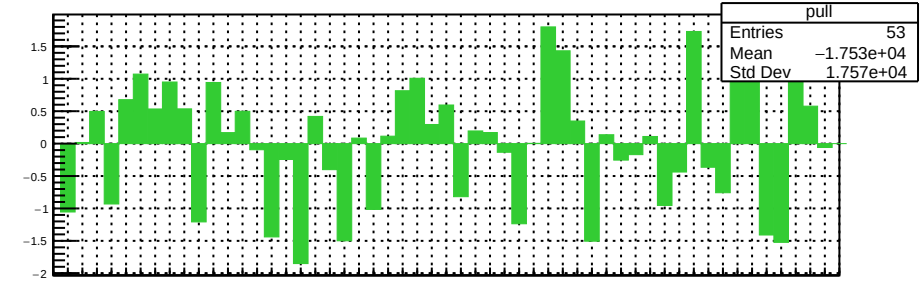

diff_cav4bY_rms vs run
χ² / ndf 7.477e+05 / 52
p0 1407 ± 2.447
80000
70000
60000
50000
40000
30000
20000
10000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

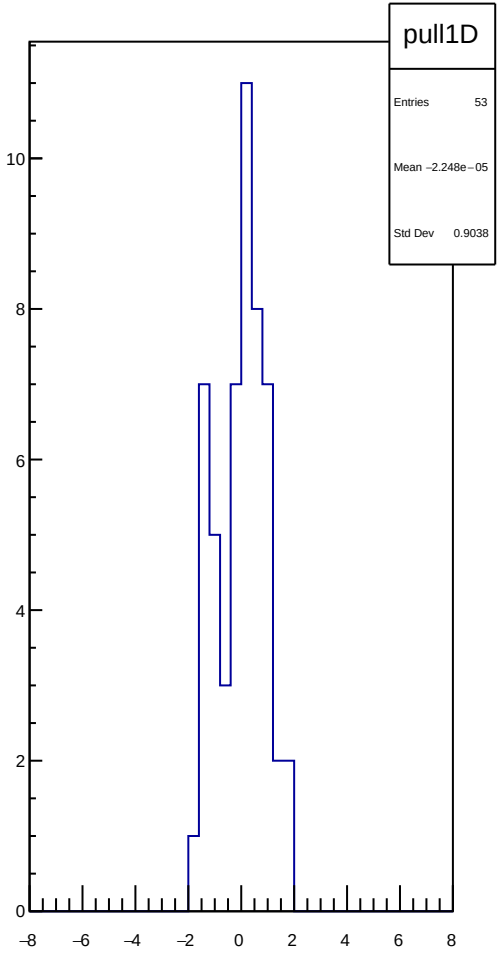

diff_cav4cX_mean vs run
χ² / ndf 54.86 / 52
p0 5.312 ± 2.492
pull
Entries 53
Mean −123.5
Std Dev 140.3

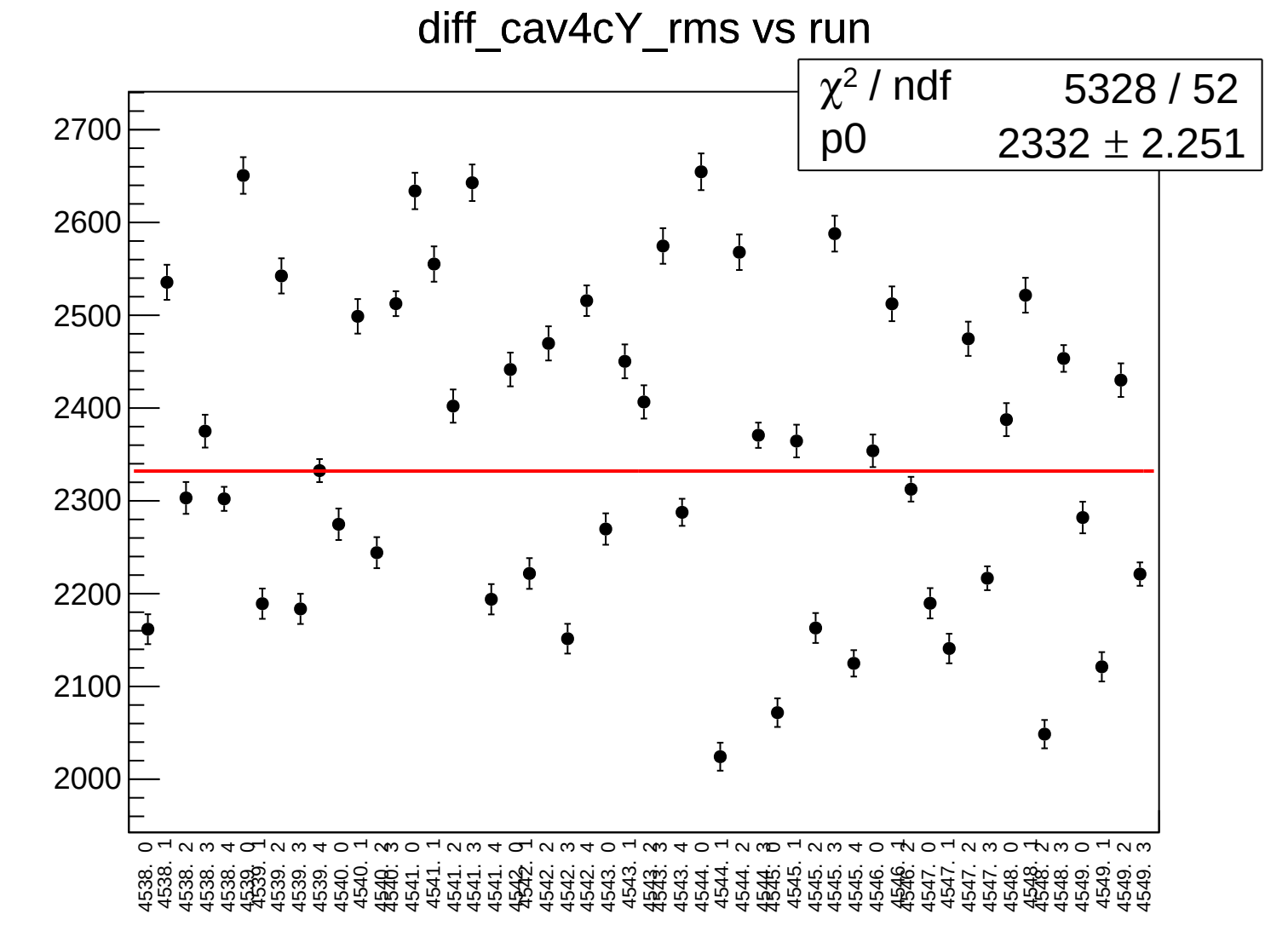

pull1D
Entries 53
Mean 0.01705
Std Dev 1.017

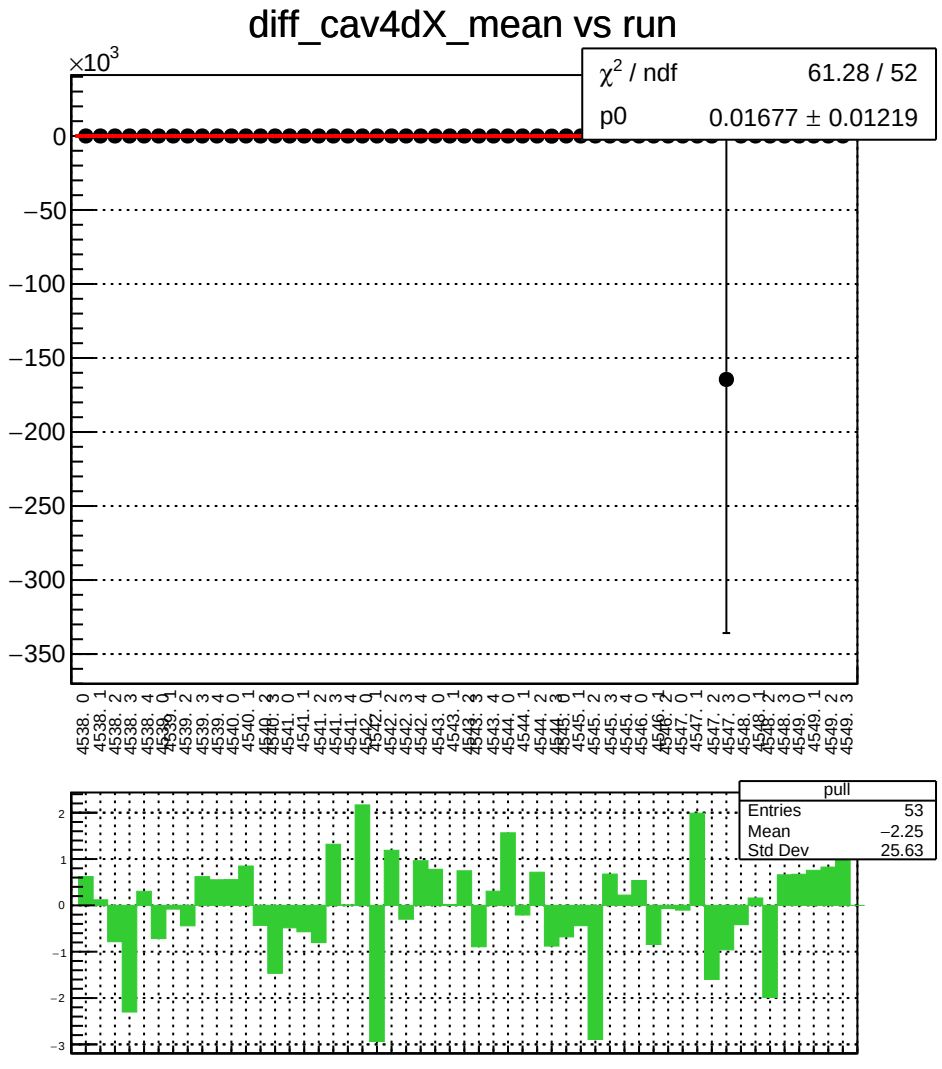

diff_cav4cX_rms vs run
χ² / ndf 1130 / 52
p0 1829 ± 1.762
2000
1950
1900
1850
1800
1750
1700
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4544. 4
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

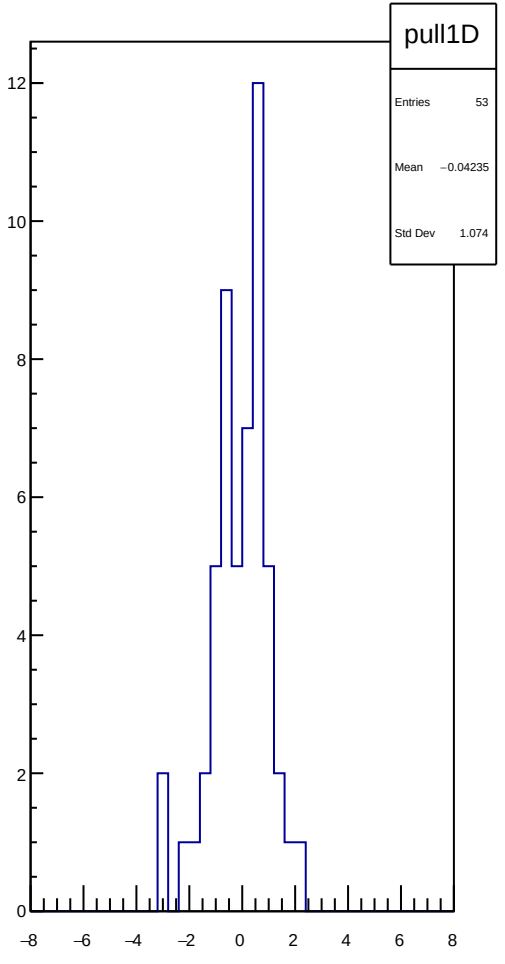

diff_cav4cY_mean vs run
χ^2 / ndf 43.29 / 52
p0 0.7704 ± 3.184

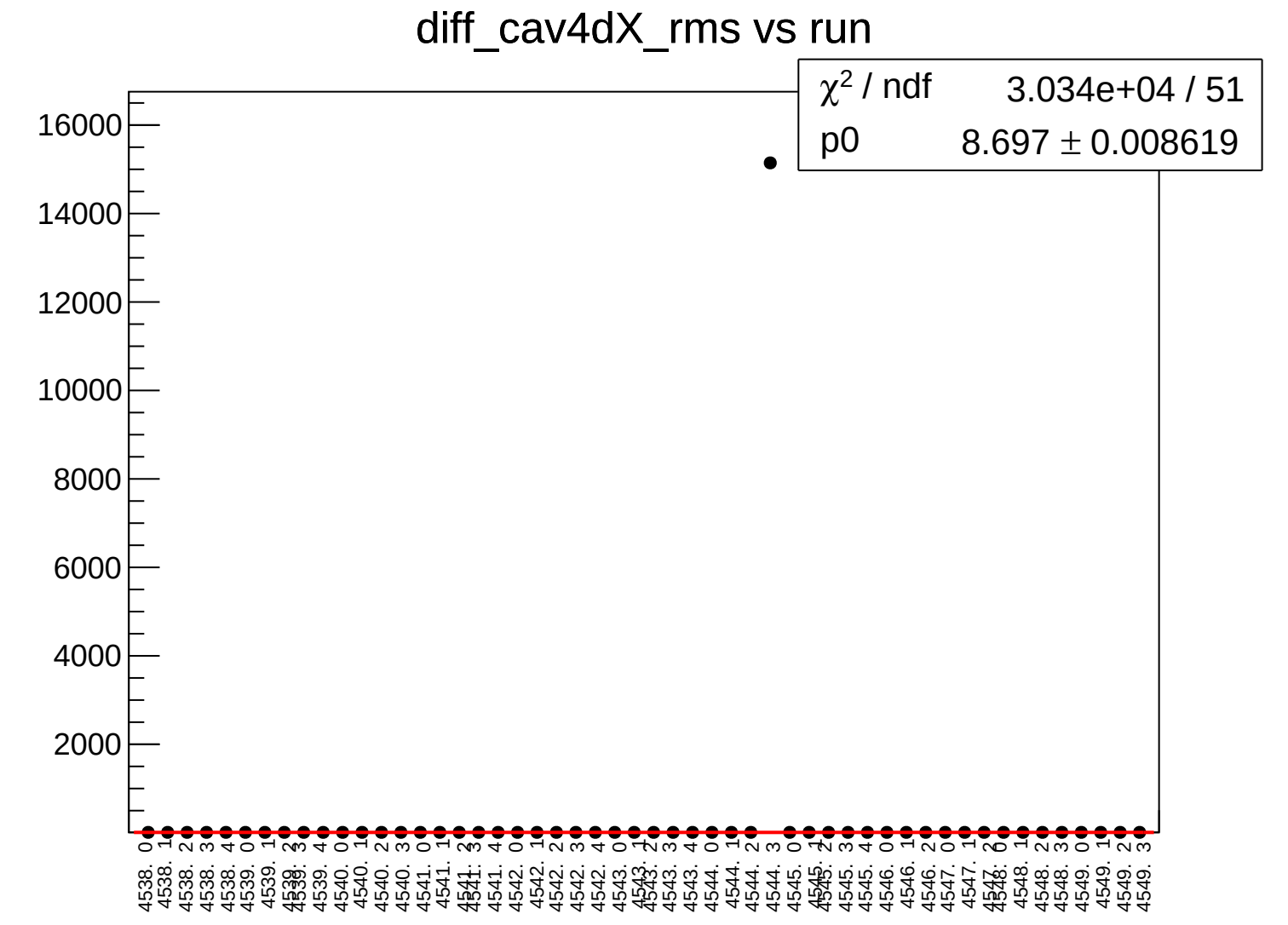

pull
Entries 53
Mean −1.753e+04
Std Dev 1.757e+04

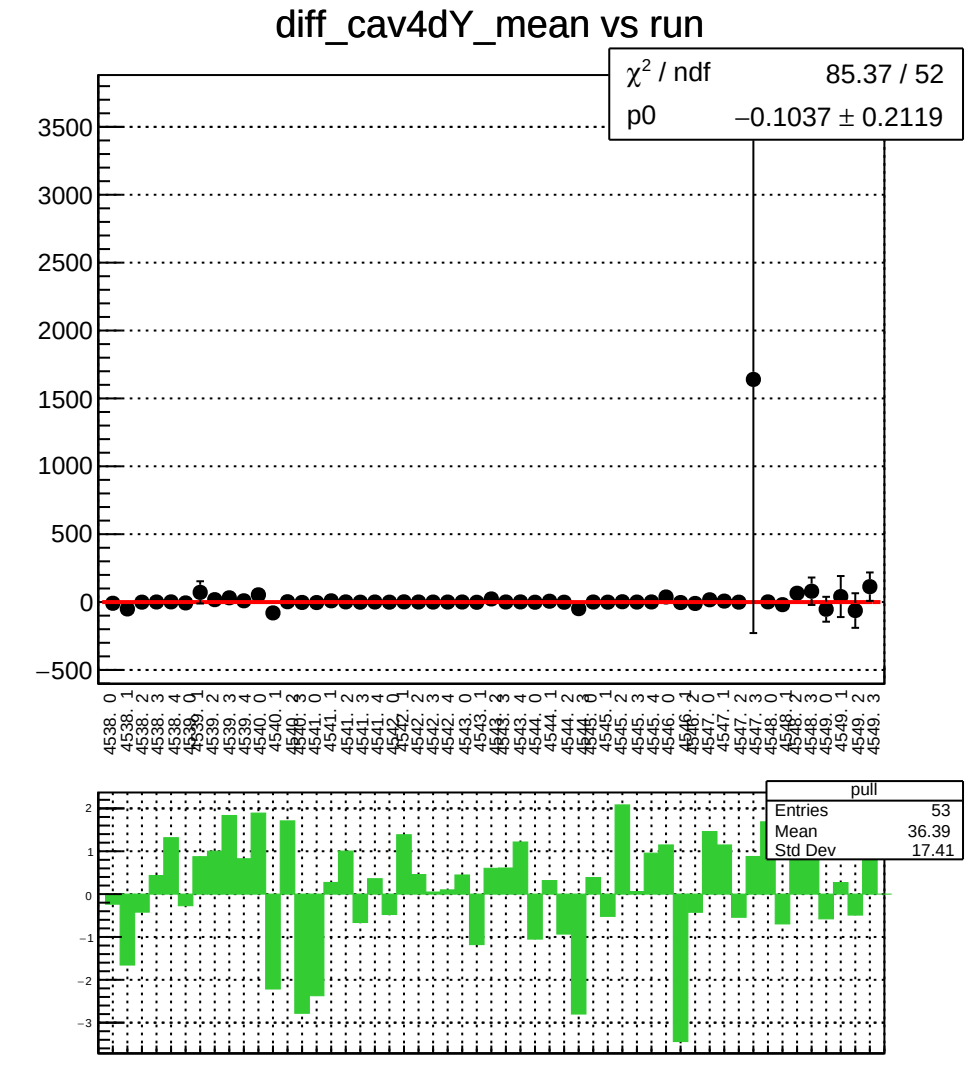

pull1D
Entries 53
Mean −2.248e−05
Std Dev 0.9038

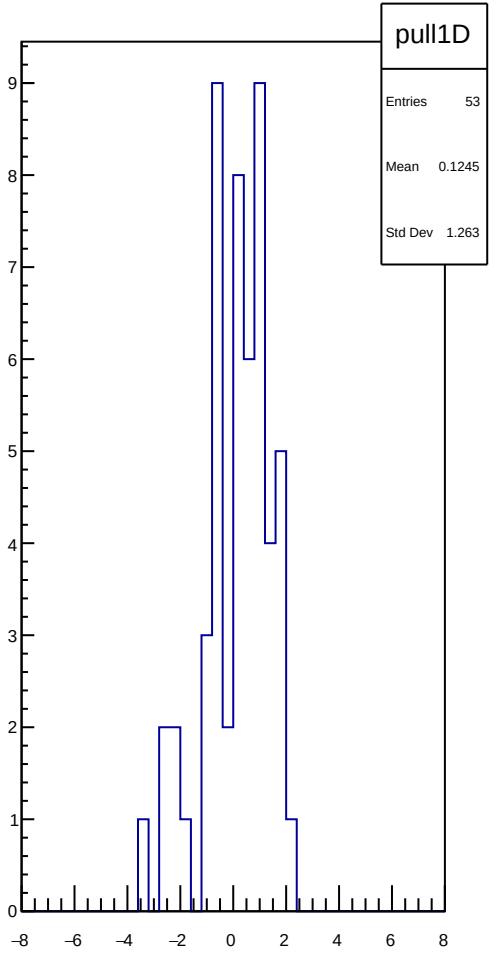

diff_cav4cY_rms vs run
χ² / ndf 5328 / 52
p0 2332 ± 2.251
2700
2600
2500
2400
2300
2200
2100
2000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

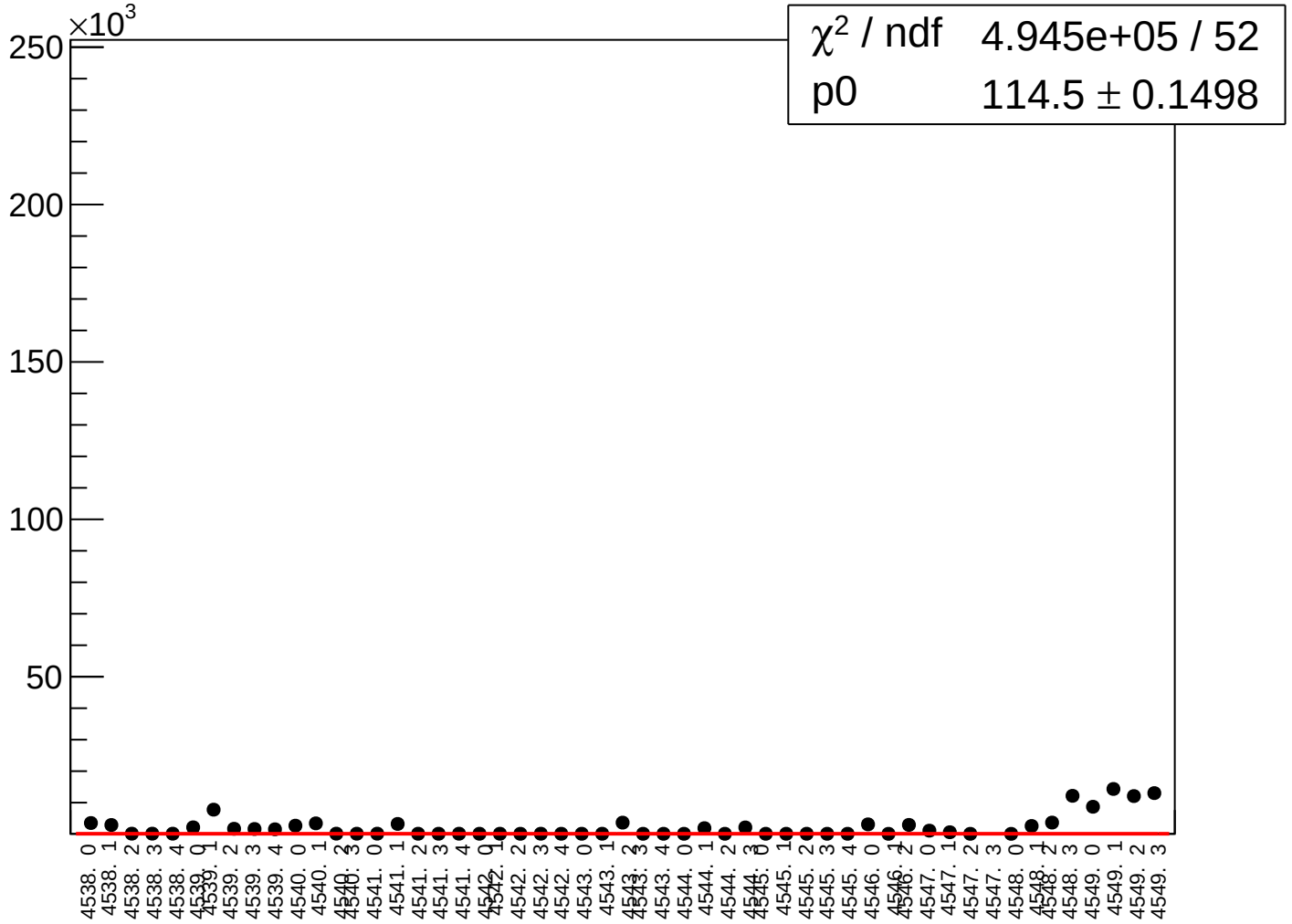

diff_cav4dX_mean vs run
×10^3
χ² / ndf 61.28 / 52
p0 0.01677 ± 0.01219
pull
Entries 53
Mean −2.25
Std Dev 25.63

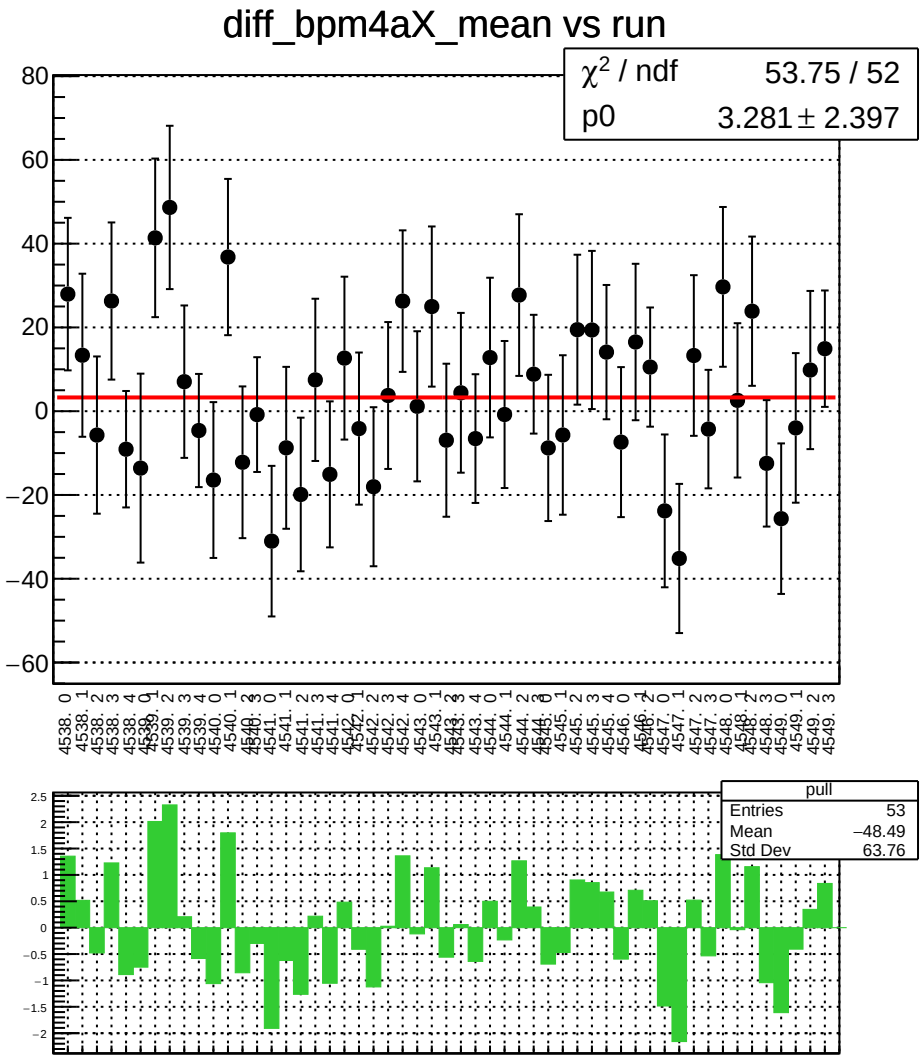

pull1D
Entries 53
Mean −0.04235
Std Dev 1.074

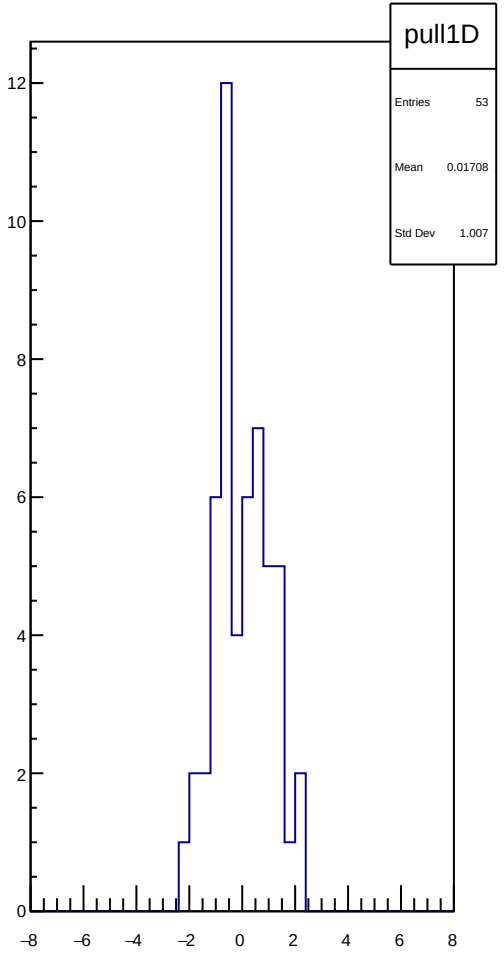

diff_cav4dX_rms vs run
χ^2 / ndf 3.034e+04 / 51
p0 8.697 ± 0.008619
16000
14000
12000
10000
8000
6000
4000
2000

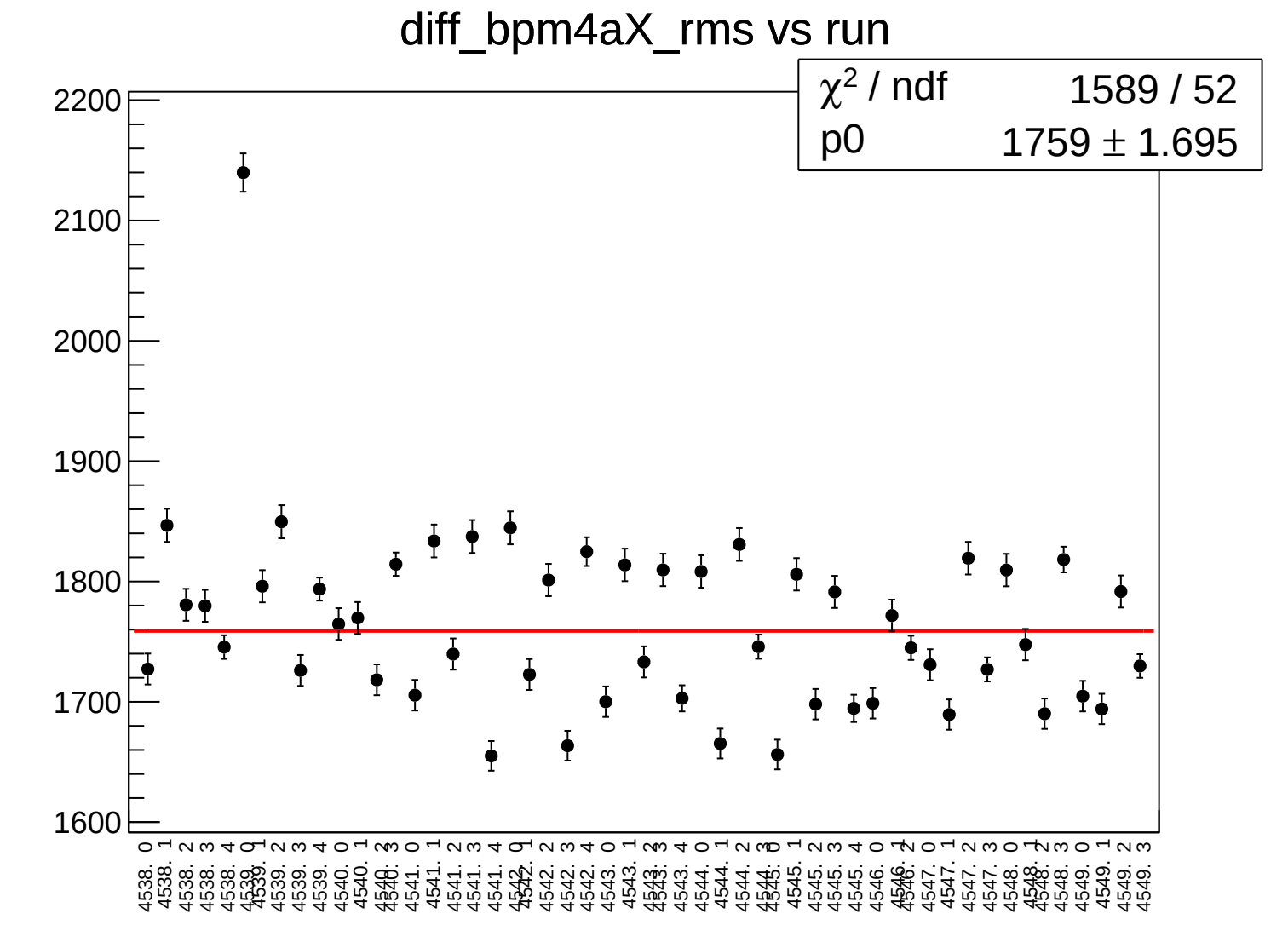

diff_cav4dY_mean vs run
χ² / ndf 85.37 / 52
p0 −0.1037 ± 0.2119
pull
Entries 53
Mean 36.39
Std Dev 17.41

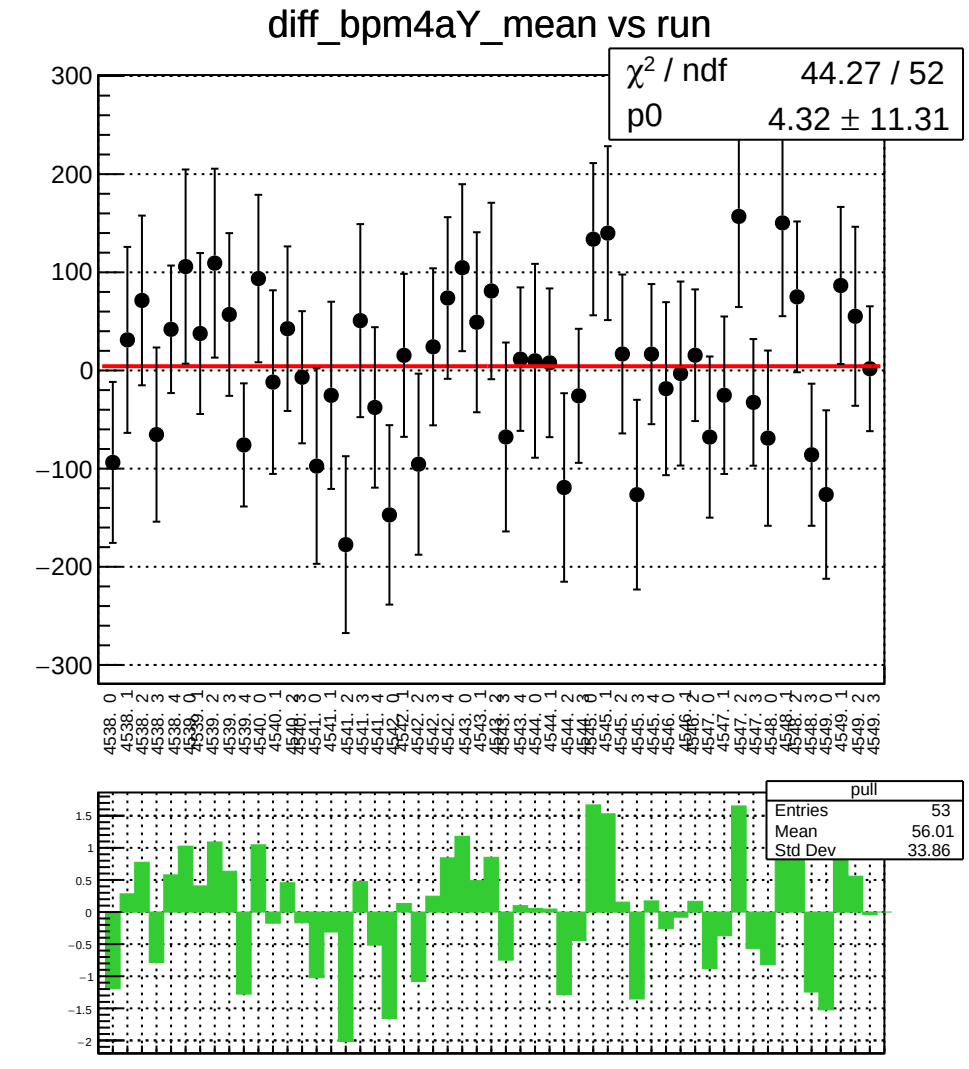

pull1D
Entries 53
Mean 0.1245
Std Dev 1.263

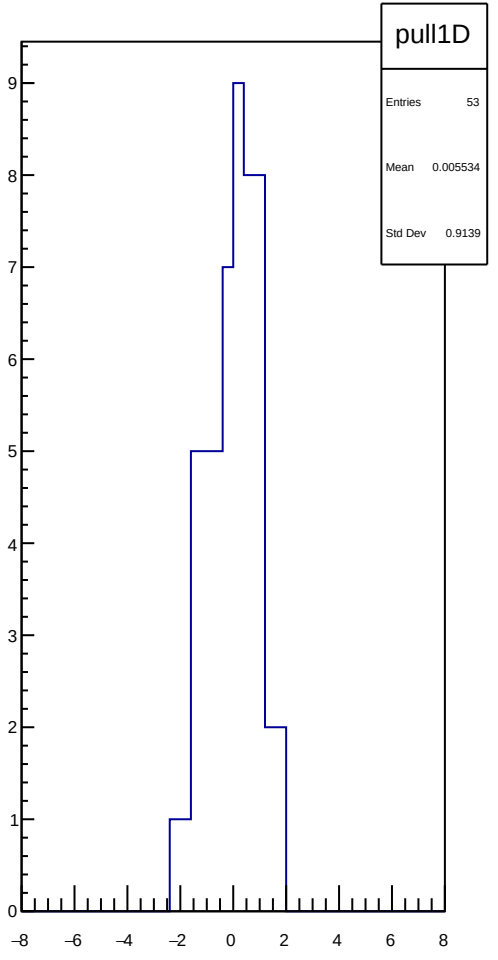

diff_cav4dY_rms vs run
×10^3
250
200
150
100
50
χ² / ndf 4.945e+05 / 52
p0 114.5 ± 0.1498
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4540. 4
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4544. 4
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

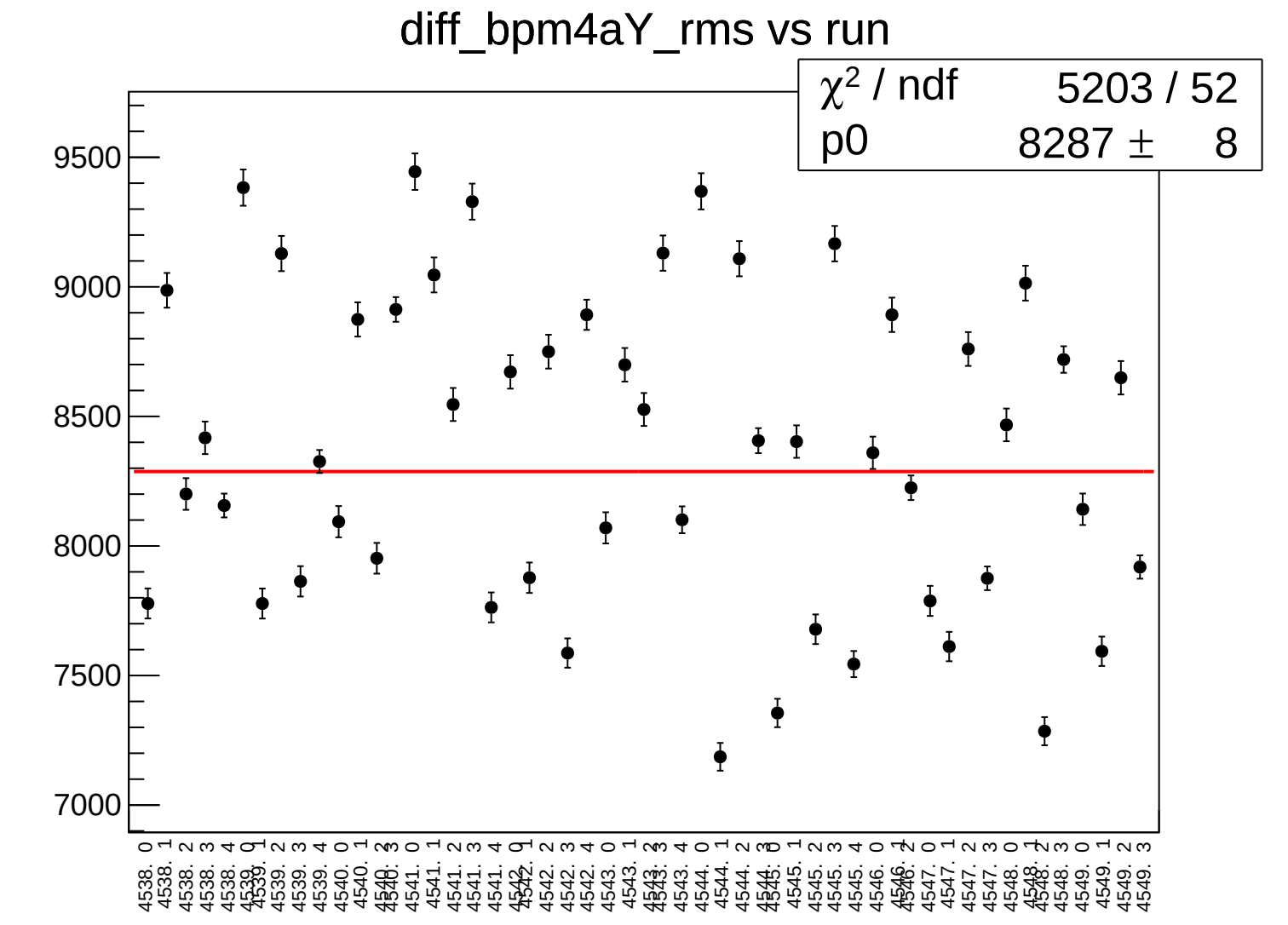

diff_bpm4aX_mean vs run
χ² / ndf 53.75 / 52
p0 3.281 ± 2.397
pull
Entries 53
Mean −48.49
Std Dev 63.76

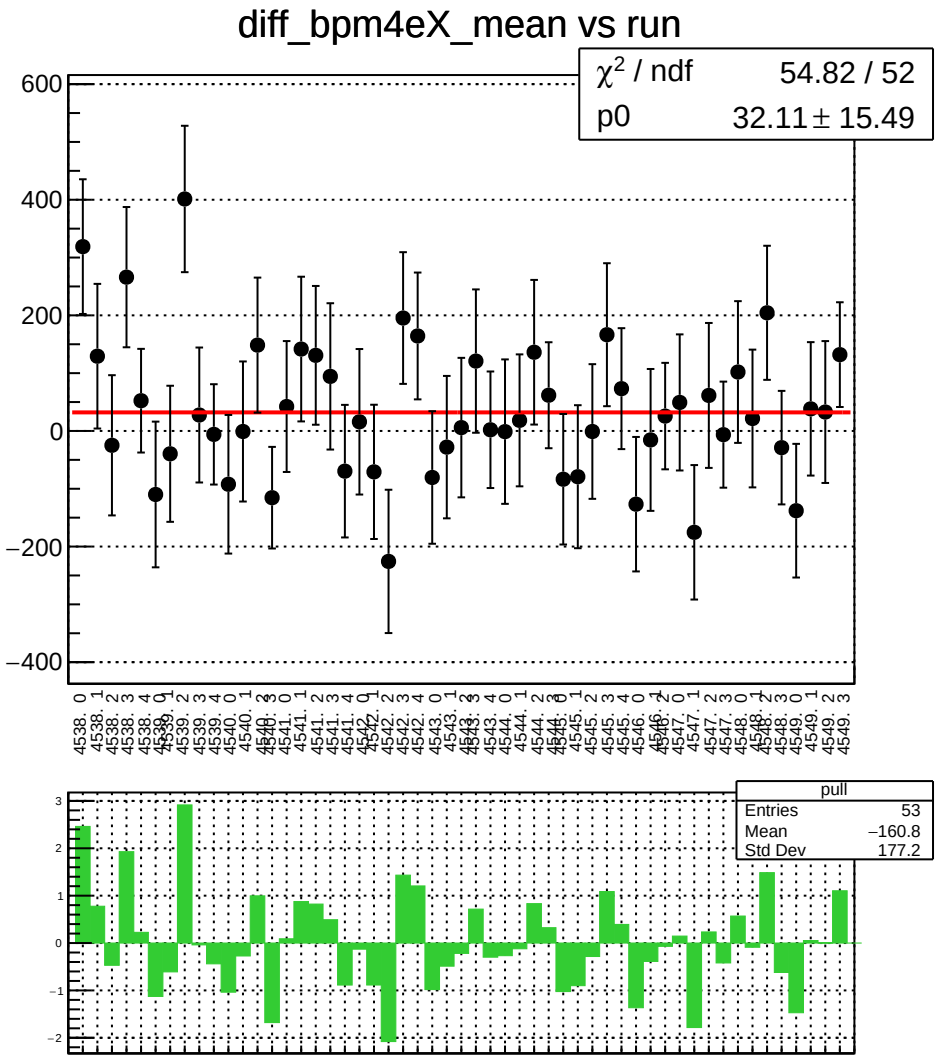

pull1D
Entries 53
Mean 0.01708
Std Dev 1.007

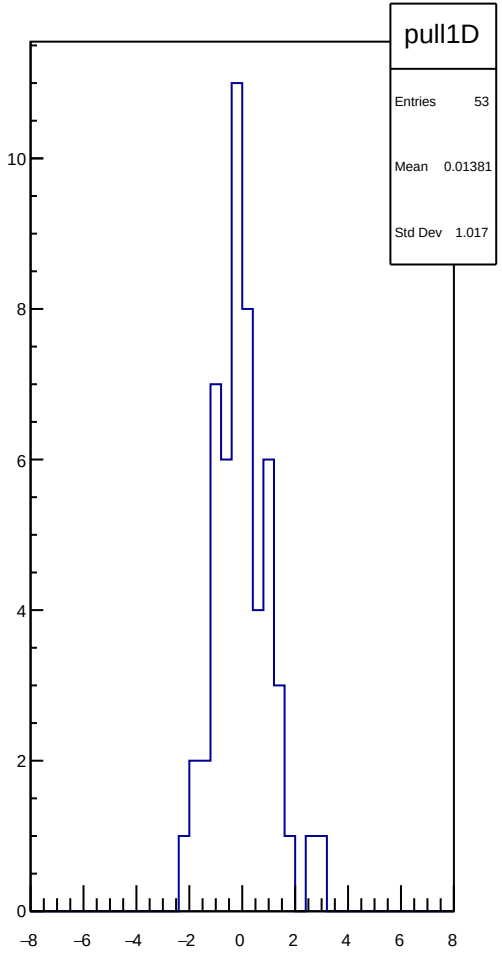

diff_bpm4aX_rms vs run
χ² / ndf 1589 / 52
p0 1759 ± 1.695
2200
2100
2000
1900
1800
1700
1600
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

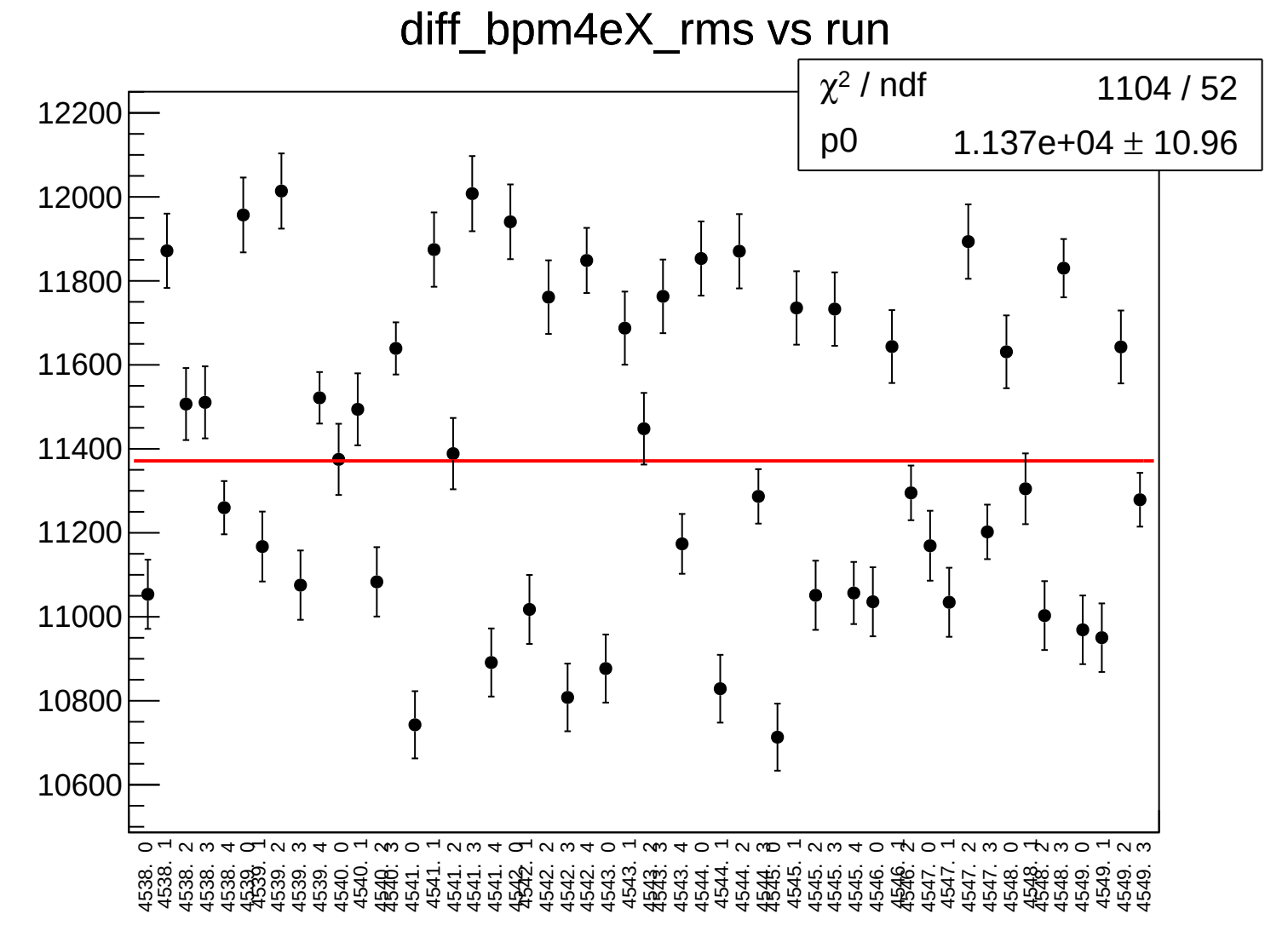

diff_bpm4aY_mean vs run
χ² / ndf 44.27 / 52
p0 4.32 ± 11.31
pull
Entries 53
Mean 56.01
Std Dev 33.86

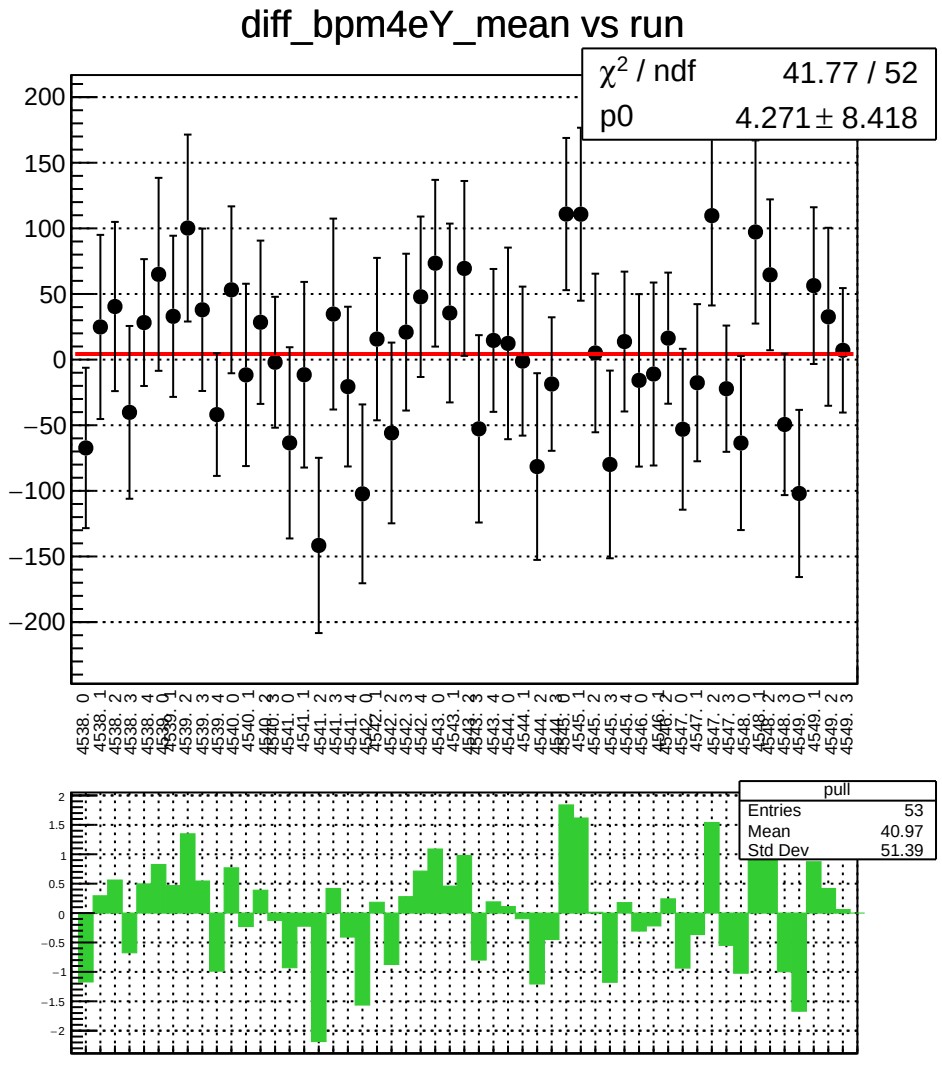

pull1D
Entries 53
Mean 0.005534
Std Dev 0.9139

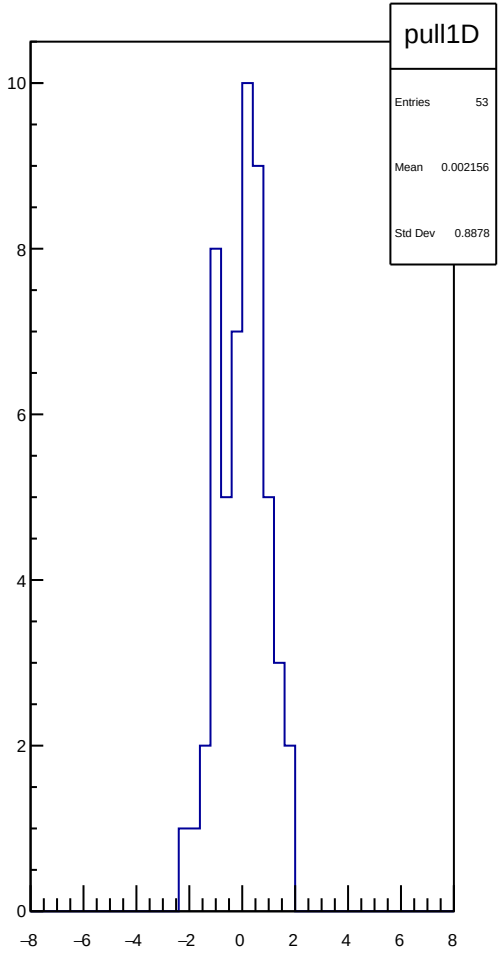

diff_bpm4aY_rms vs run
χ² / ndf 5203 / 52
p0 8287 ± 8
9500
9000
8500
8000
7500
7000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

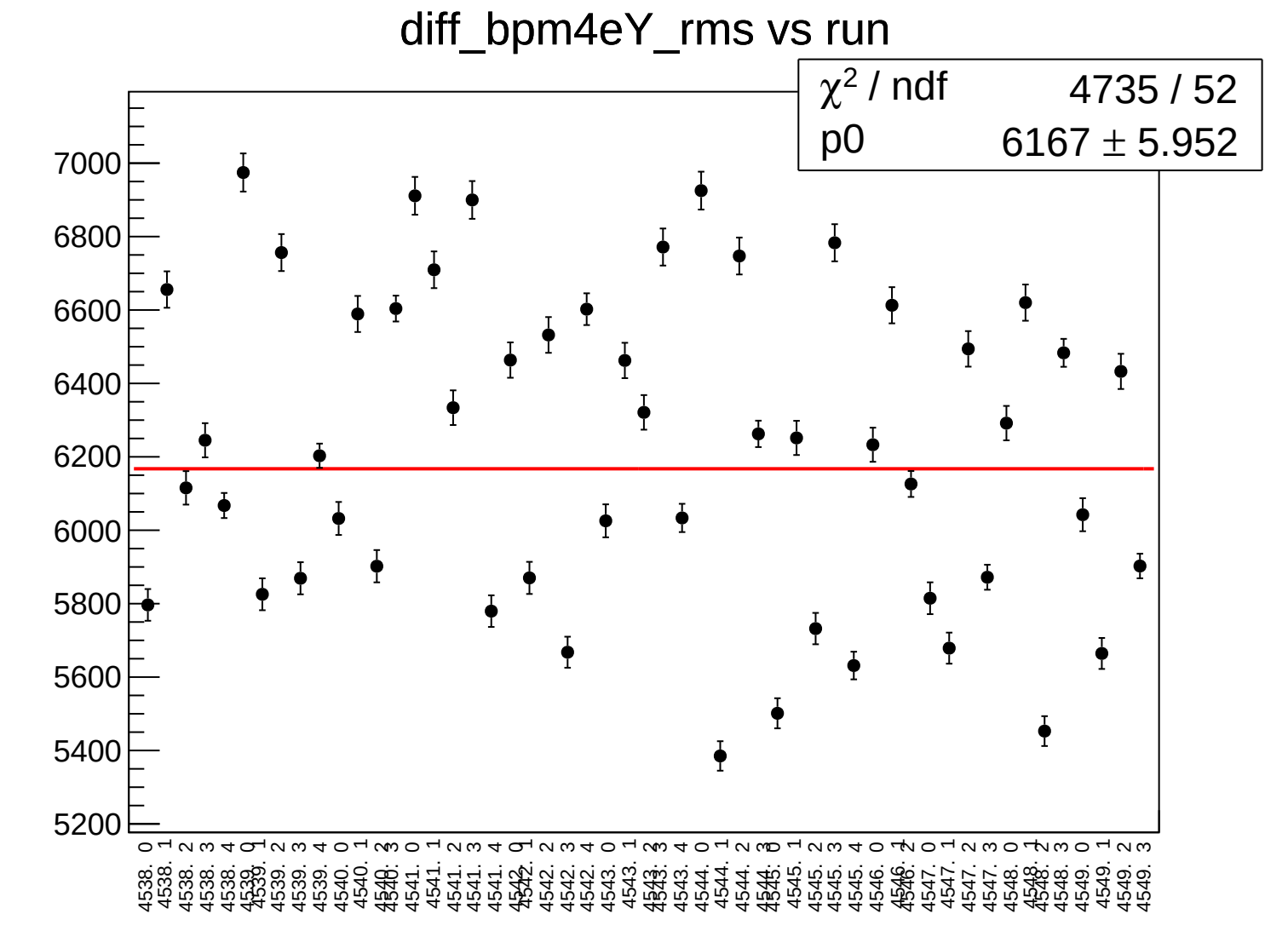

diff_bpm4eX_mean vs run
χ² / ndf 54.82 / 52
p0 32.11 ± 15.49
pull
Entries 53
Mean −160.8
Std Dev 177.2

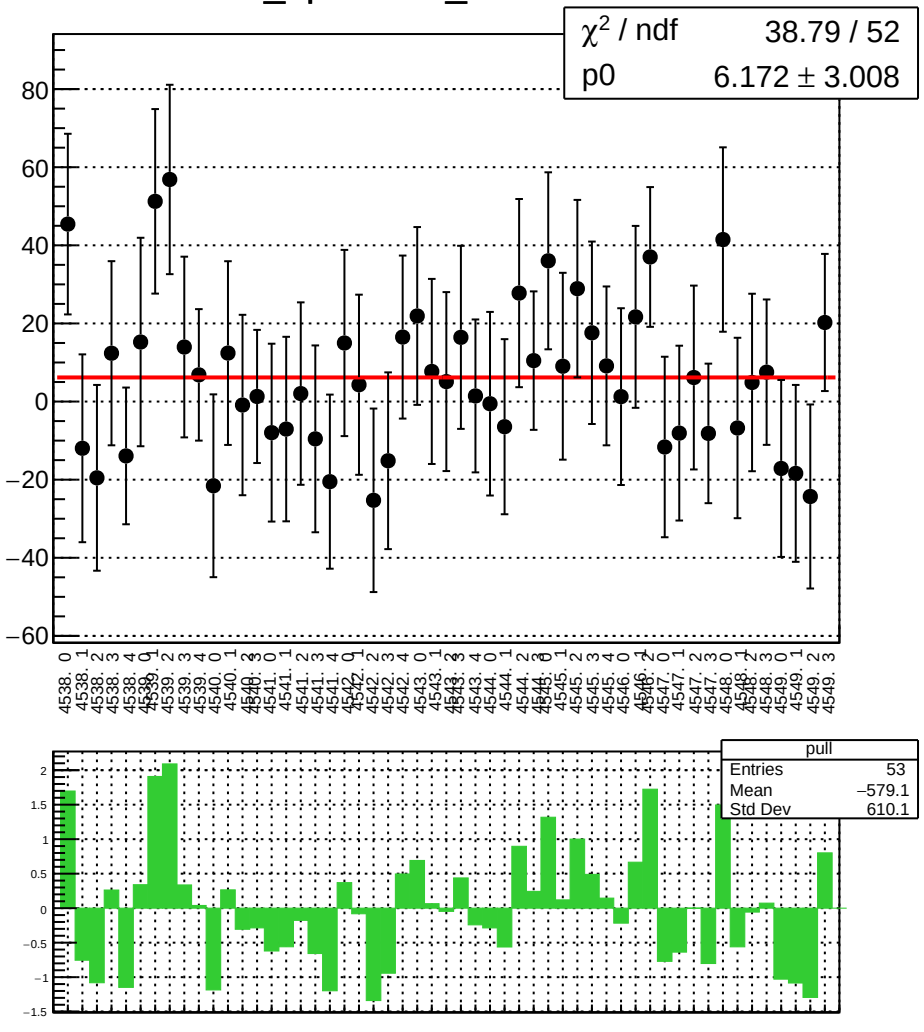

pull1D
Entries 53
Mean 0.01381
Std Dev 1.017

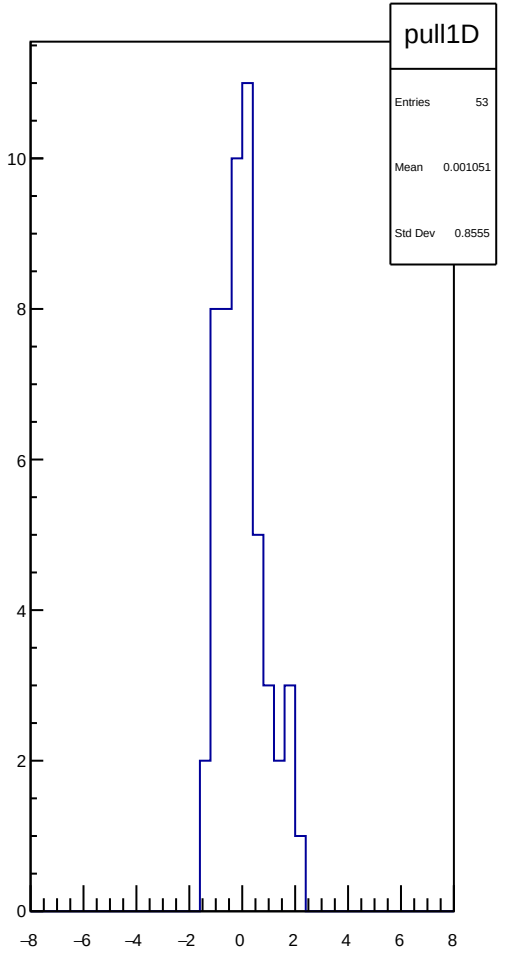

diff_bpm4eX_rms vs run
χ² / ndf 1104 / 52
p0 1.137e+04 ± 10.96
12200
12000
11800
11600
11400
11200
11000
10800
10600
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

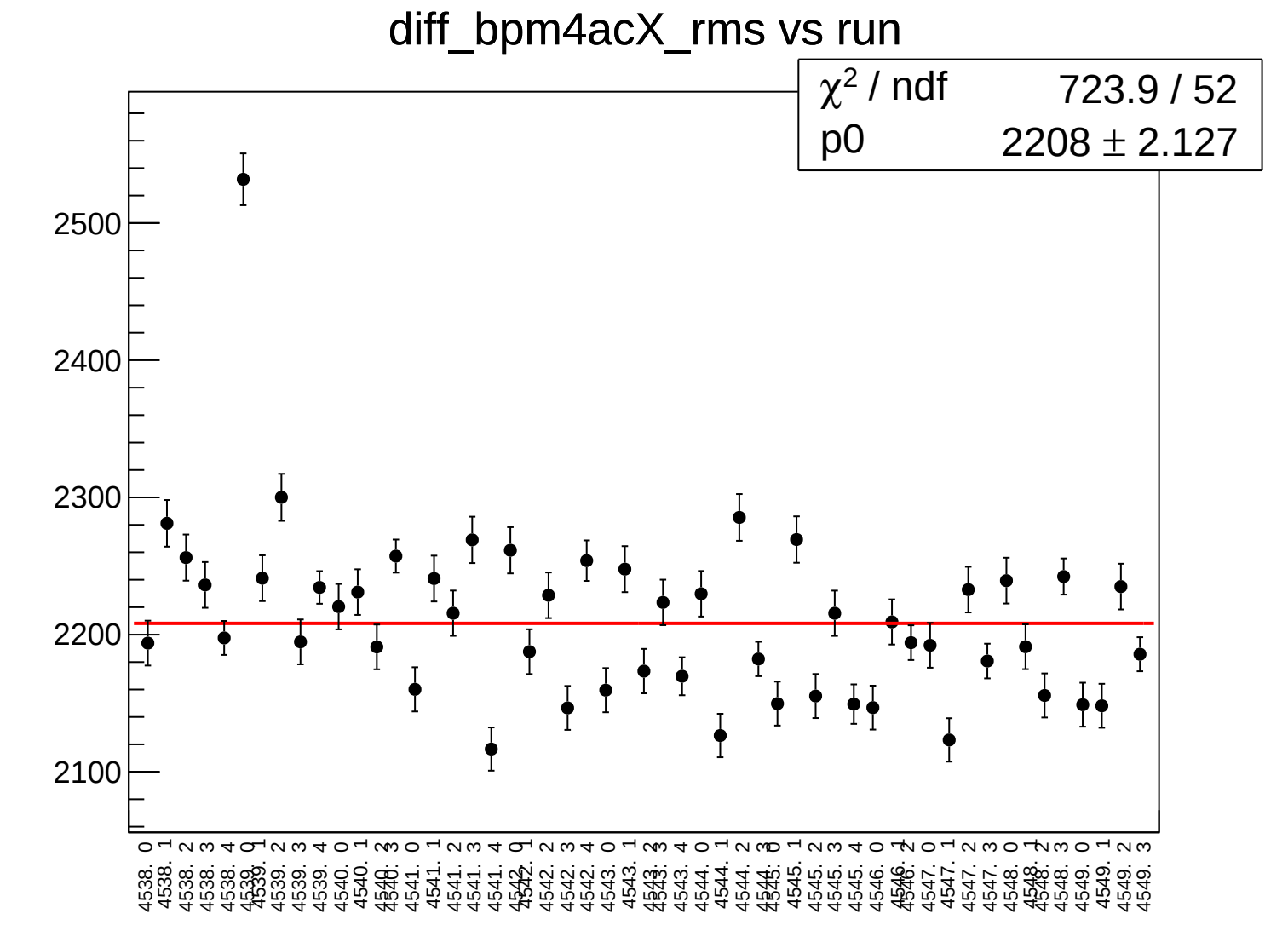

diff_bpm4eY_mean vs run
χ² / ndf 41.77 / 52
p0 4.271 ± 8.418
pull
Entries 53
Mean 40.97
Std Dev 51.39

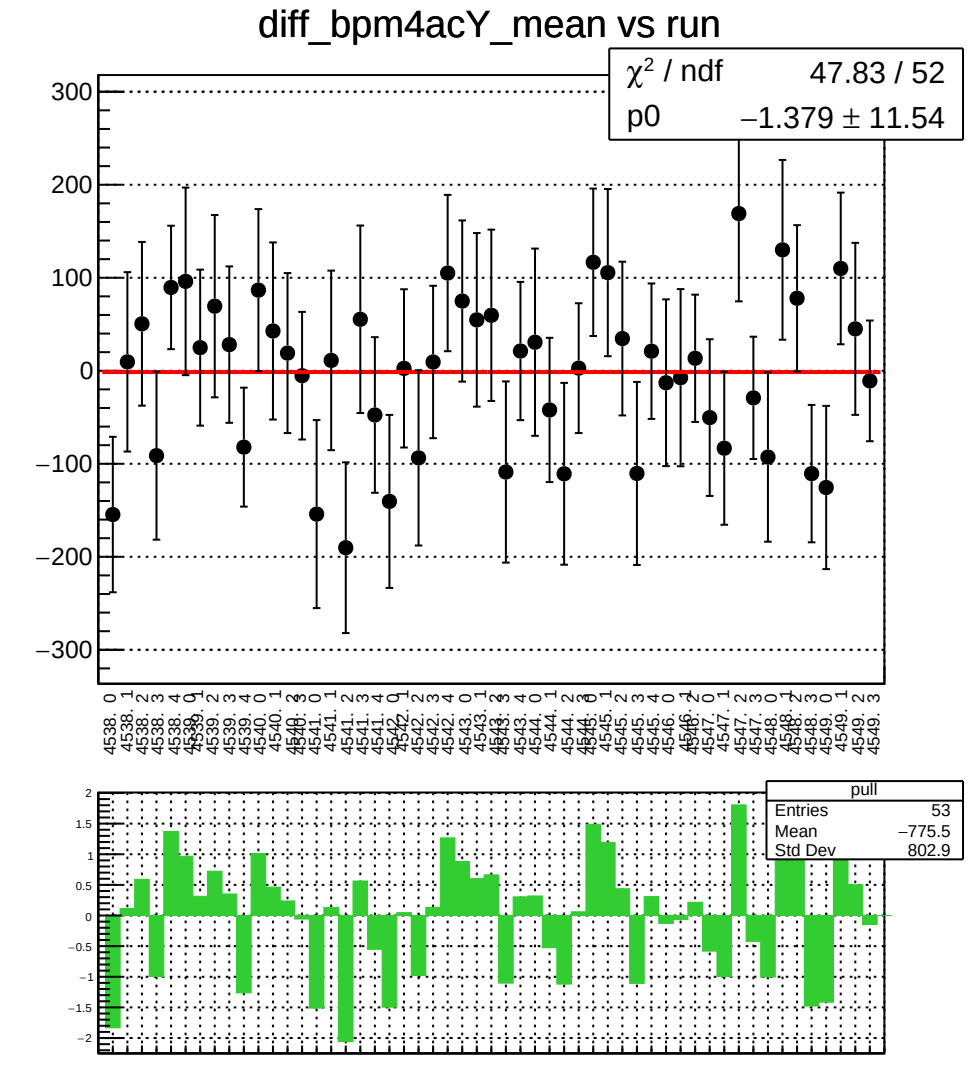

pull1D
Entries 53
Mean 0.002156
Std Dev 0.8878

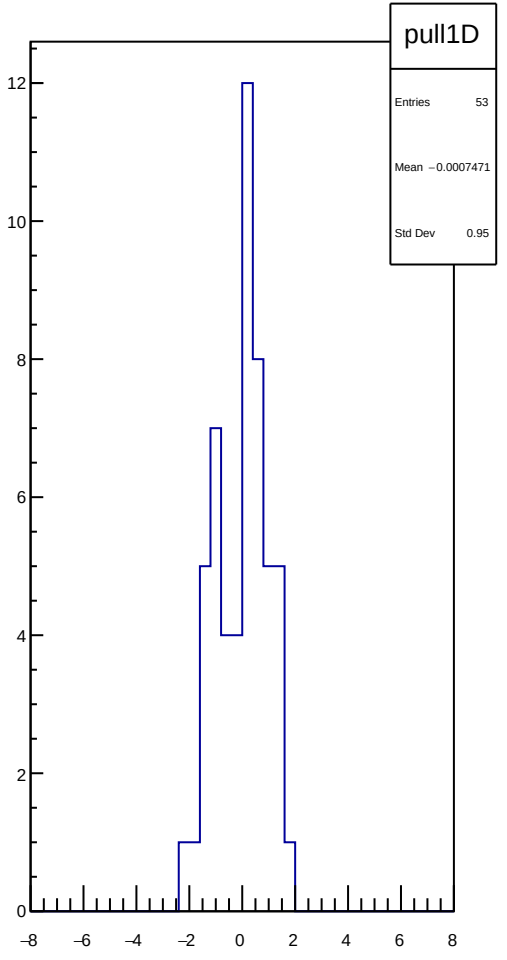

diff_bpm4eY_rms vs run
χ² / ndf 4735 / 52
p0 6167 ± 5.952
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

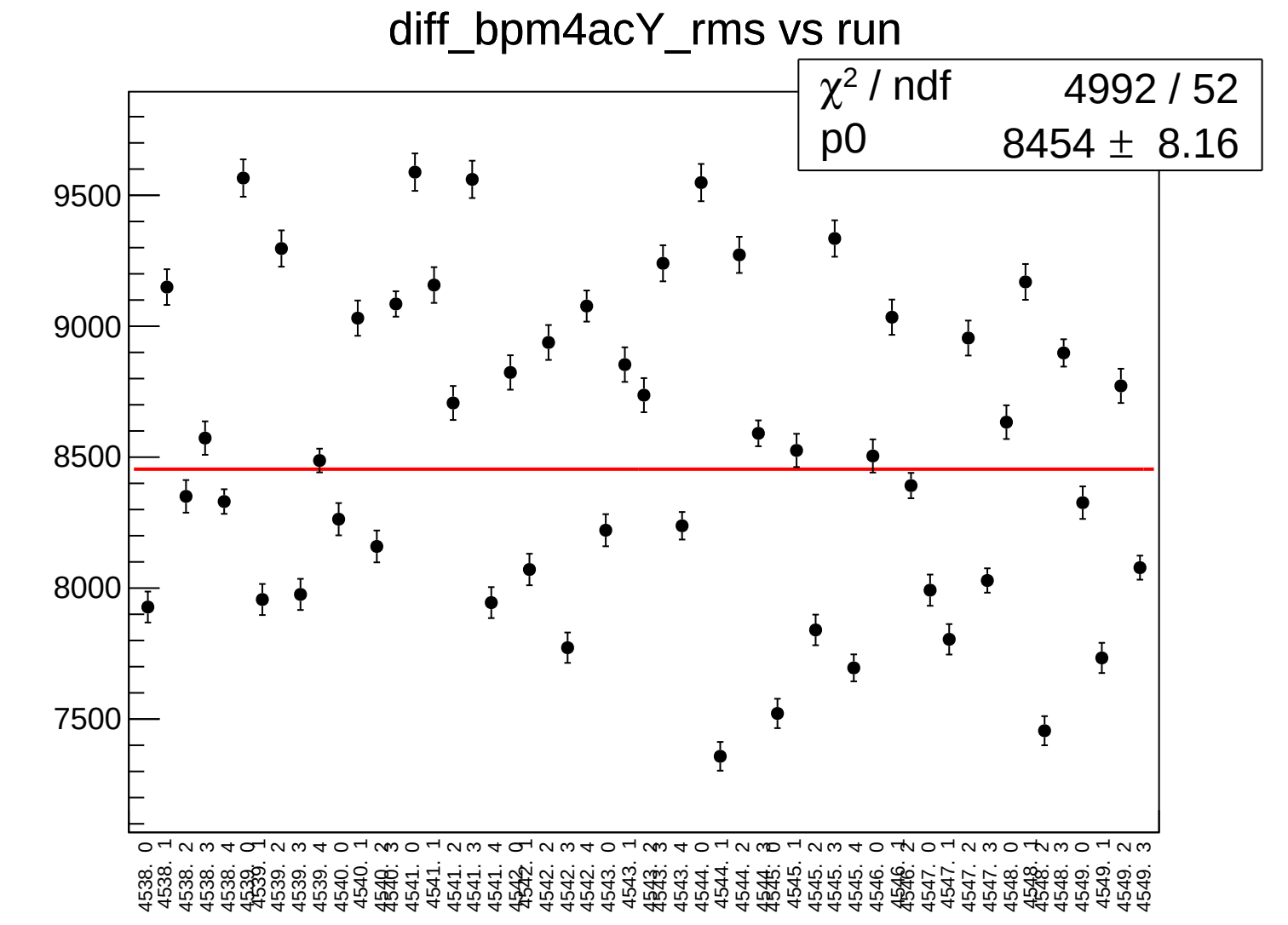

diff_bpm4acX_mean vs run
χ² / ndf 38.79 / 52
p0 6.172 ± 3.008
pull
Entries 53
Mean −579.1
Std Dev 610.1

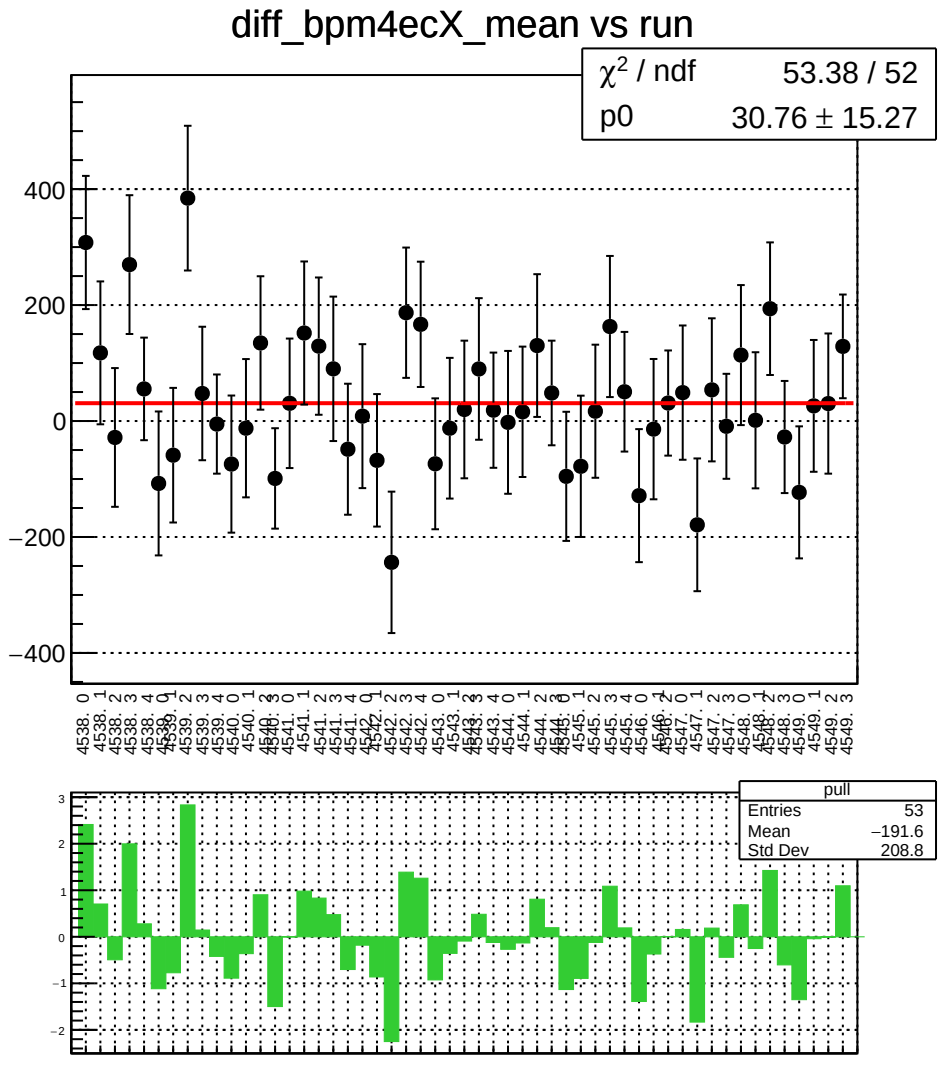

pull1D
Entries 53
Mean 0.001051
Std Dev 0.8555

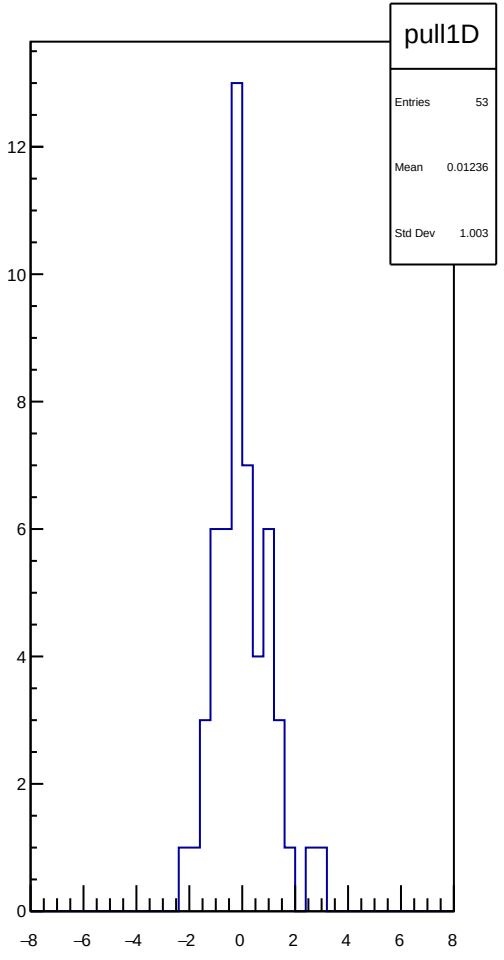

diff_bpm4acX_rms vs run
χ² / ndf 723.9 / 52
p0 2208 ± 2.127
2500
2400
2300
2200
2100
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

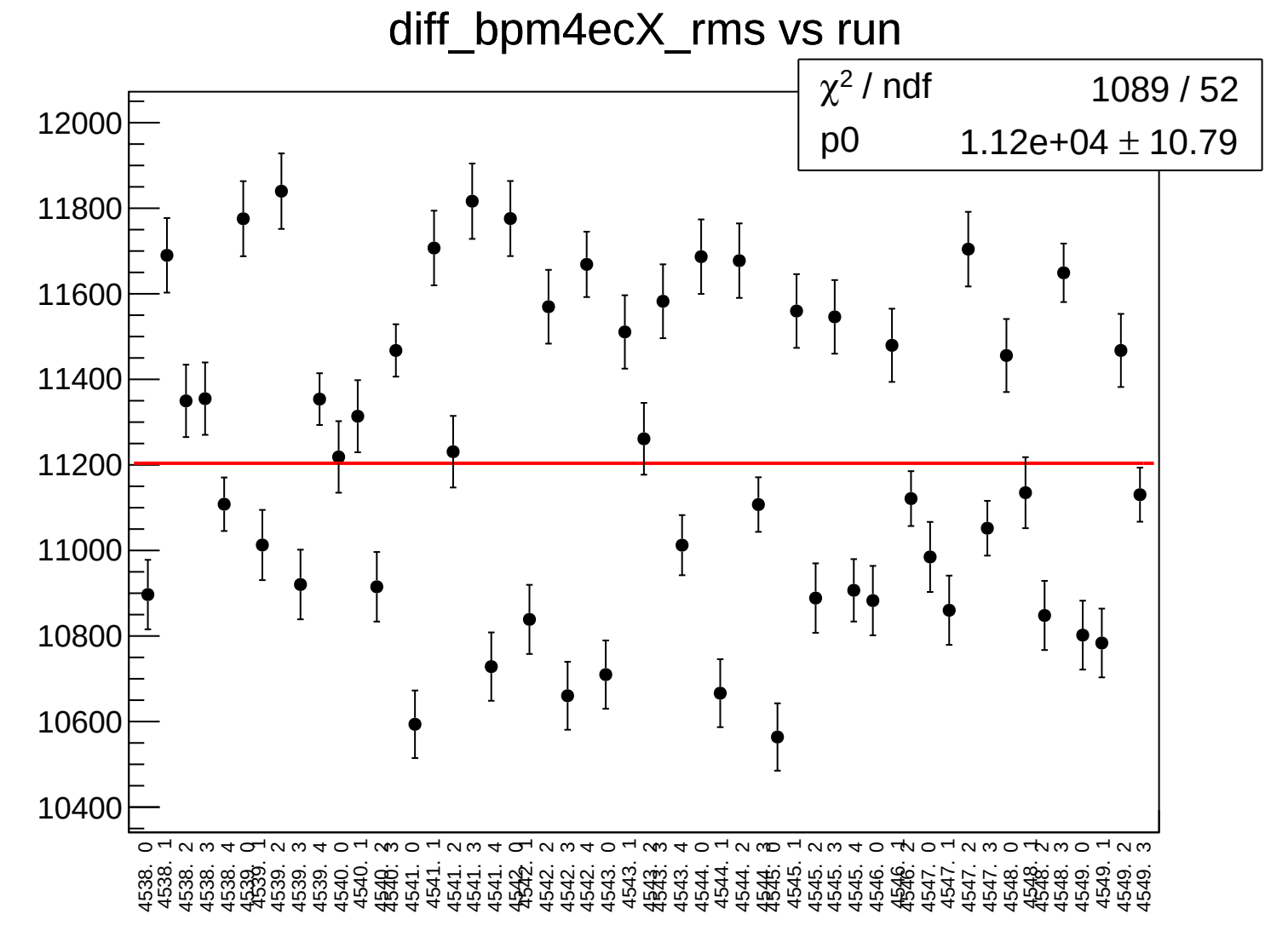

diff_bpm4acY_mean vs run
χ² / ndf 47.83 / 52
p0 −1.379 ± 11.54
pull
Entries 53
Mean −775.5
Std Dev 802.9

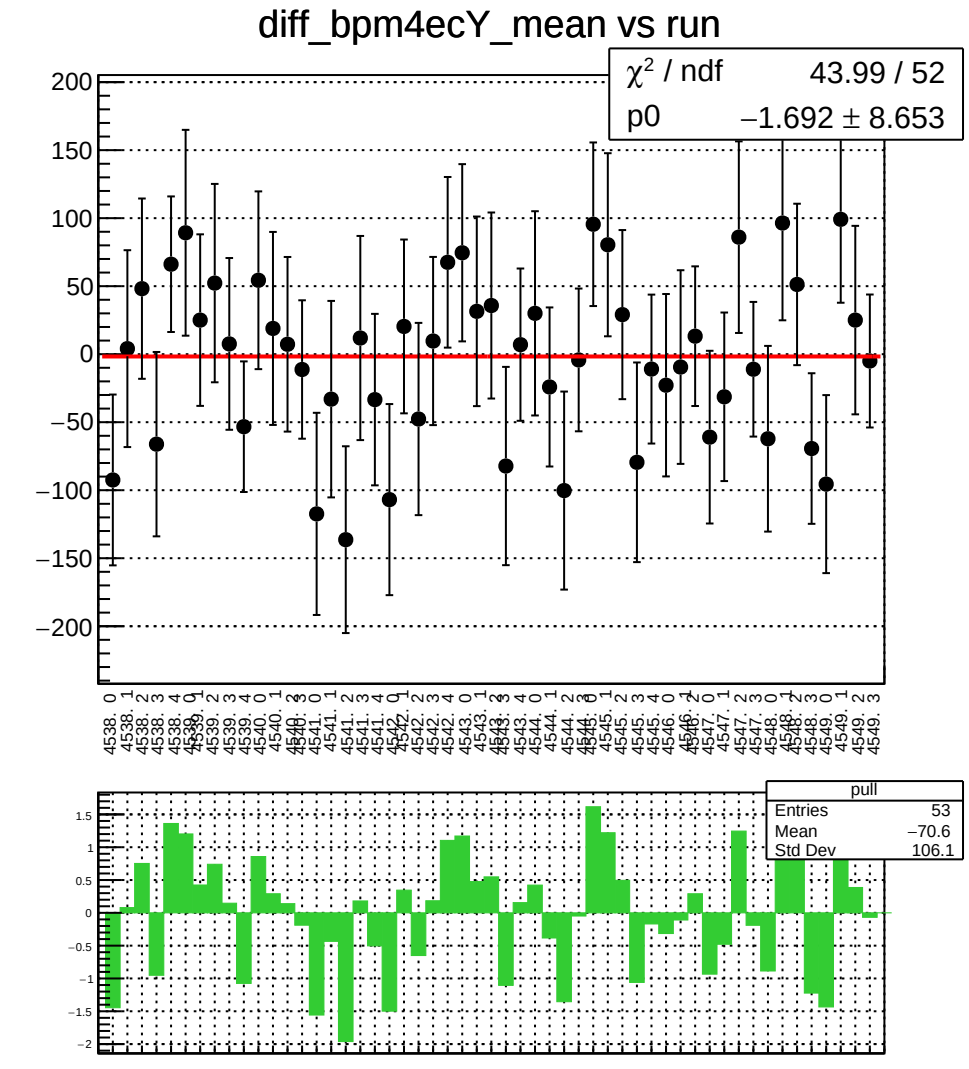

pull1D
Entries 53
Mean −0.0007471
Std Dev 0.95

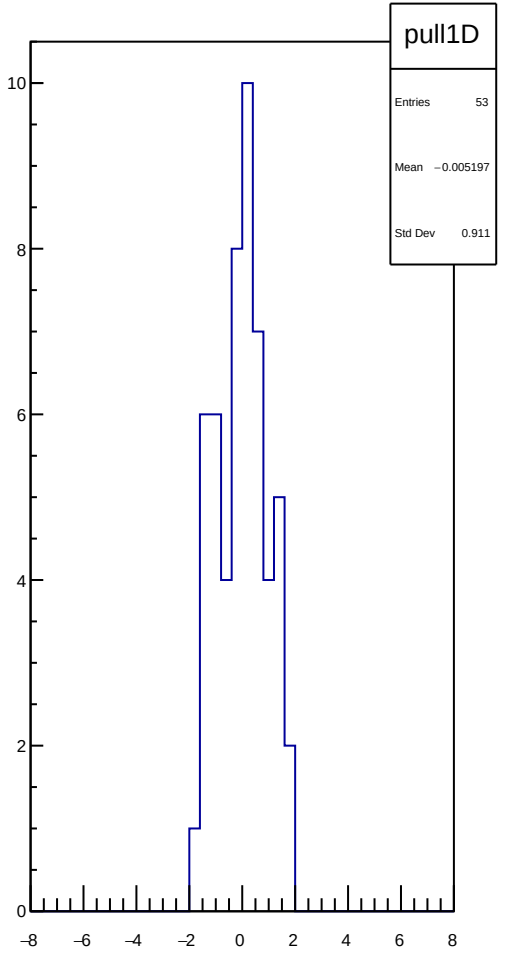

diff_bpm4acY_rms vs run
χ² / ndf 4992 / 52
p0 8454 ± 8.16
9500
9000
8500
8000
7500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

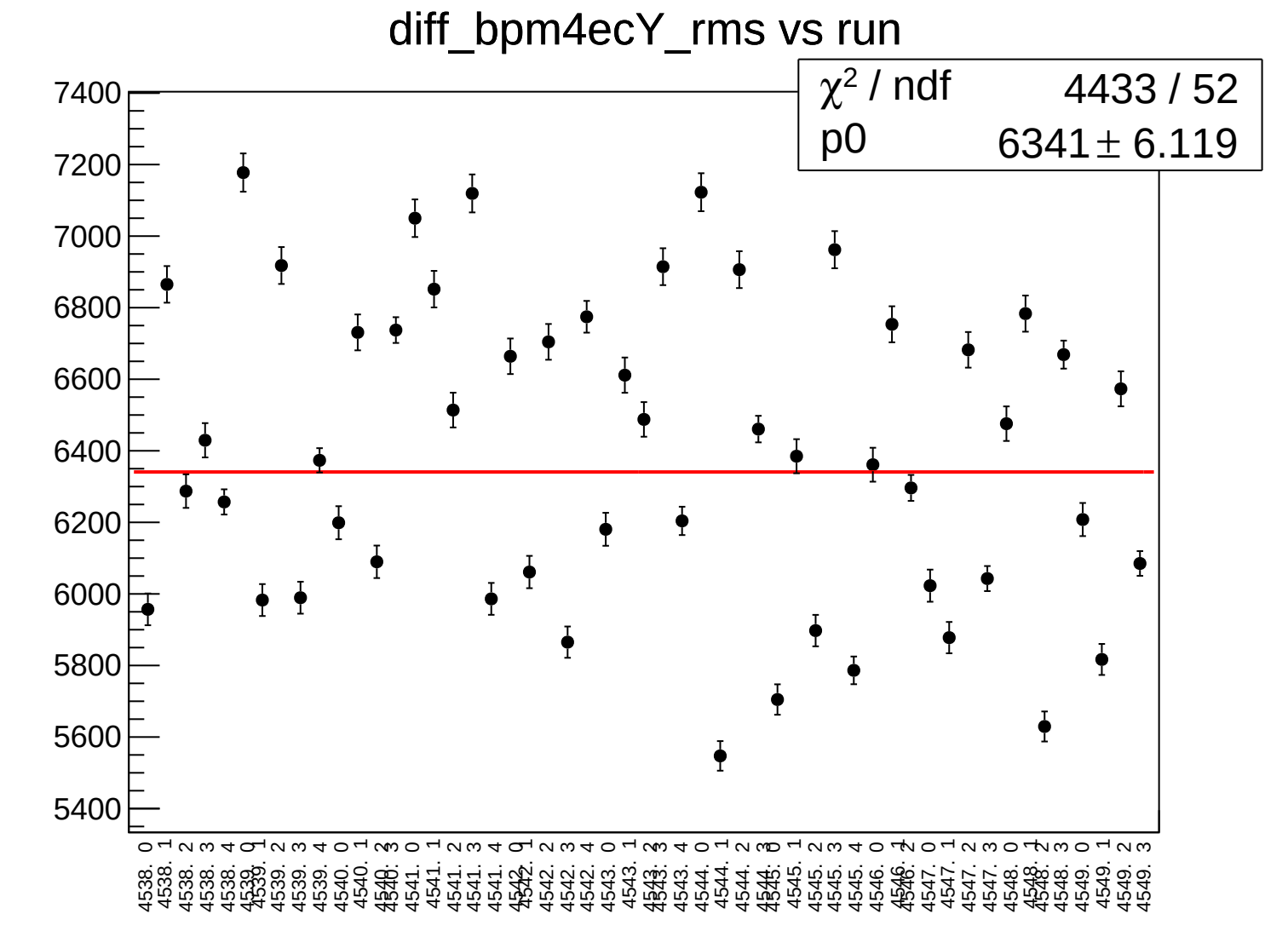

diff_bpm4ecX_mean vs run
χ² / ndf 53.38 / 52
p0 30.76 ± 15.27
400
200
0
−200
−400
pull
Entries 53
Mean −191.6
Std Dev 208.8
3
2
1
0
−1
−2

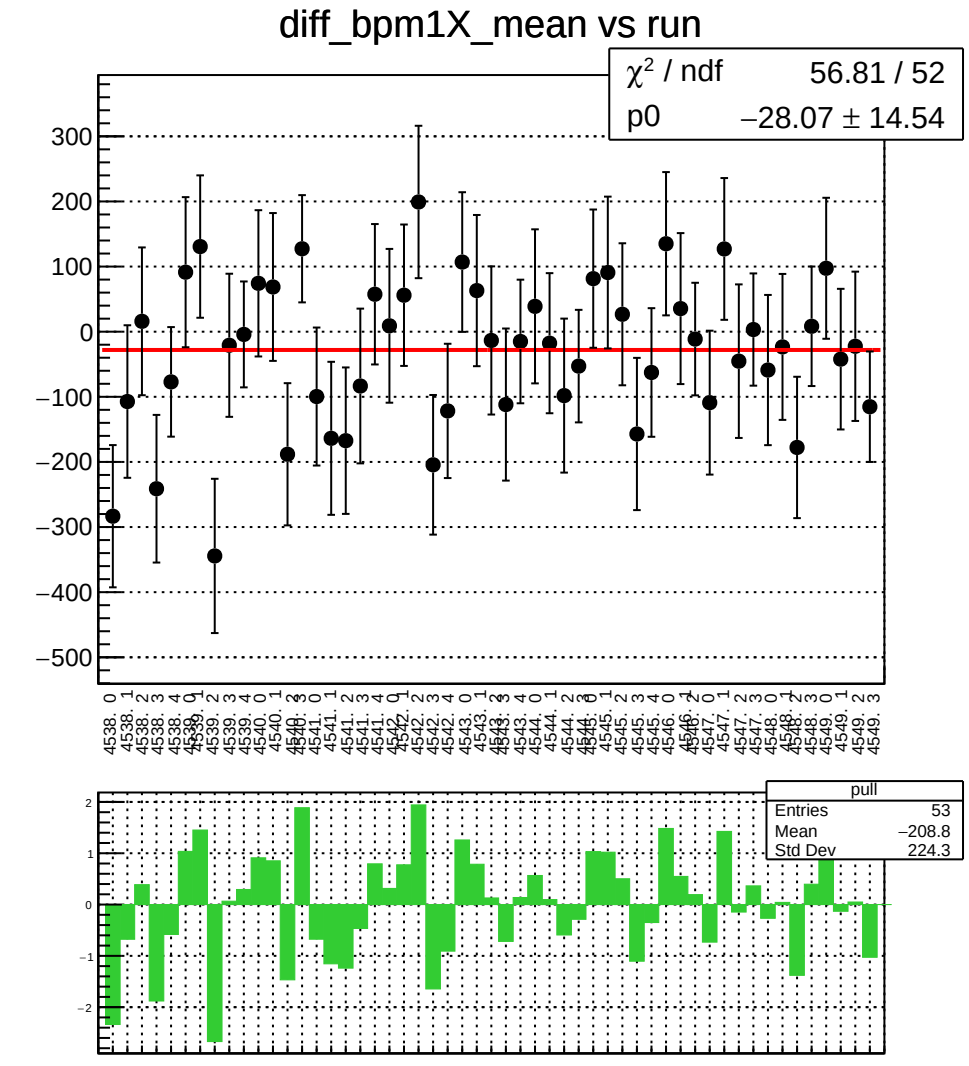

pull1D
Entries 53
Mean 0.01236
Std Dev 1.003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

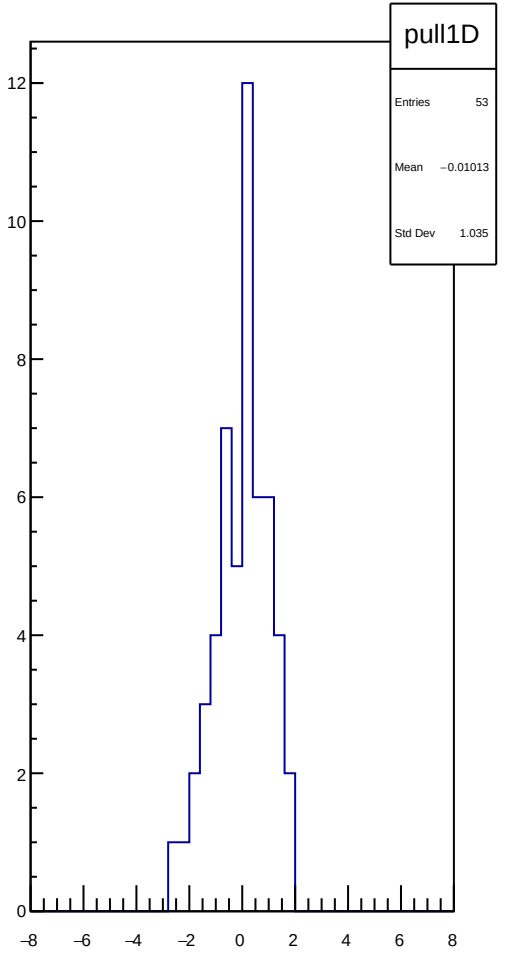

diff_bpm4ecX_rms vs run
χ² / ndf 1089 / 52
p0 1.12e+04 ± 10.79
12000
11800
11600
11400
11200
11000
10800
10600
10400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

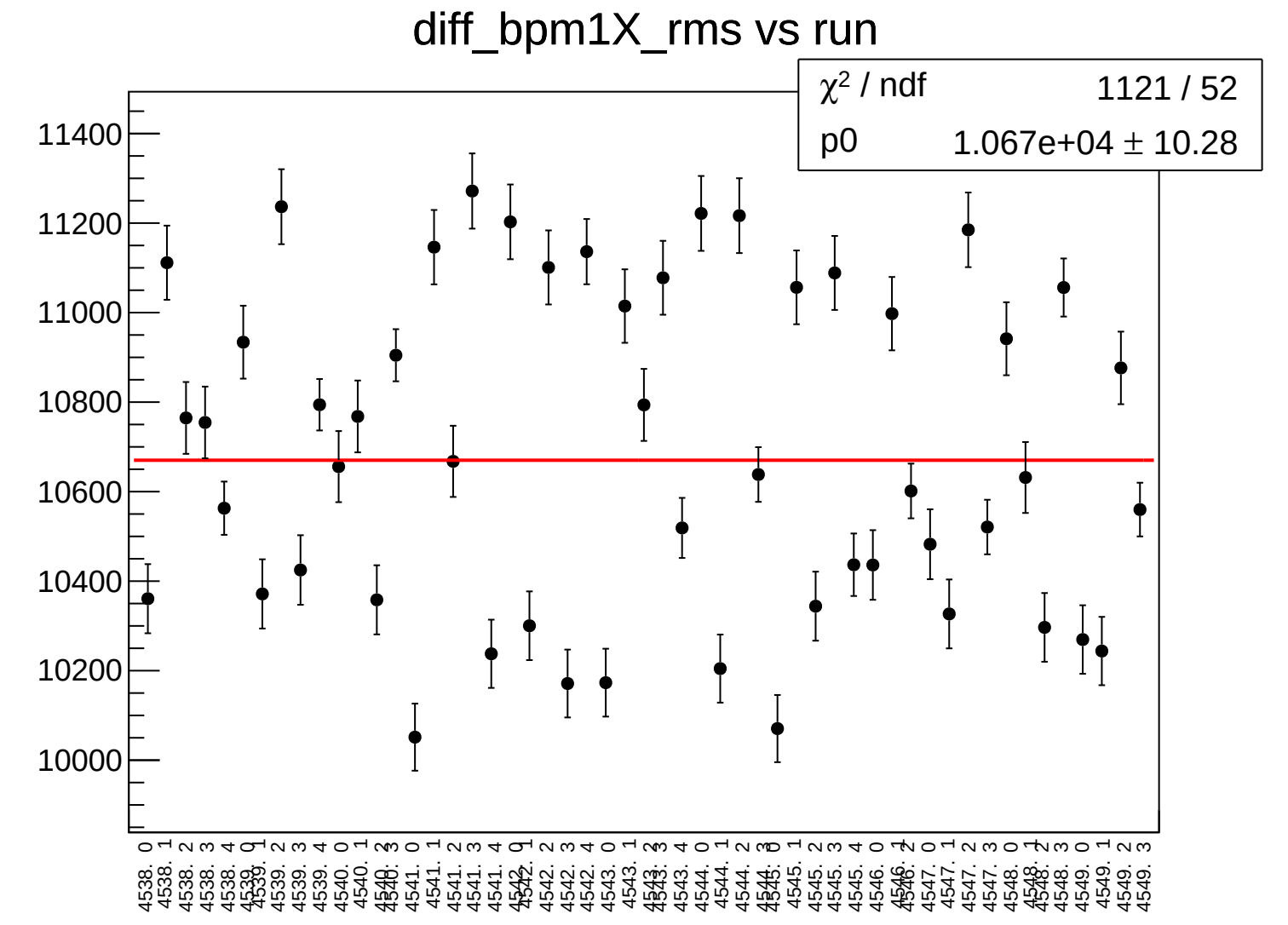

diff_bpm4ecY_mean vs run
χ² / ndf 43.99 / 52
p0 −1.692 ± 8.653
pull
Entries 53
Mean −70.6
Std Dev 106.1

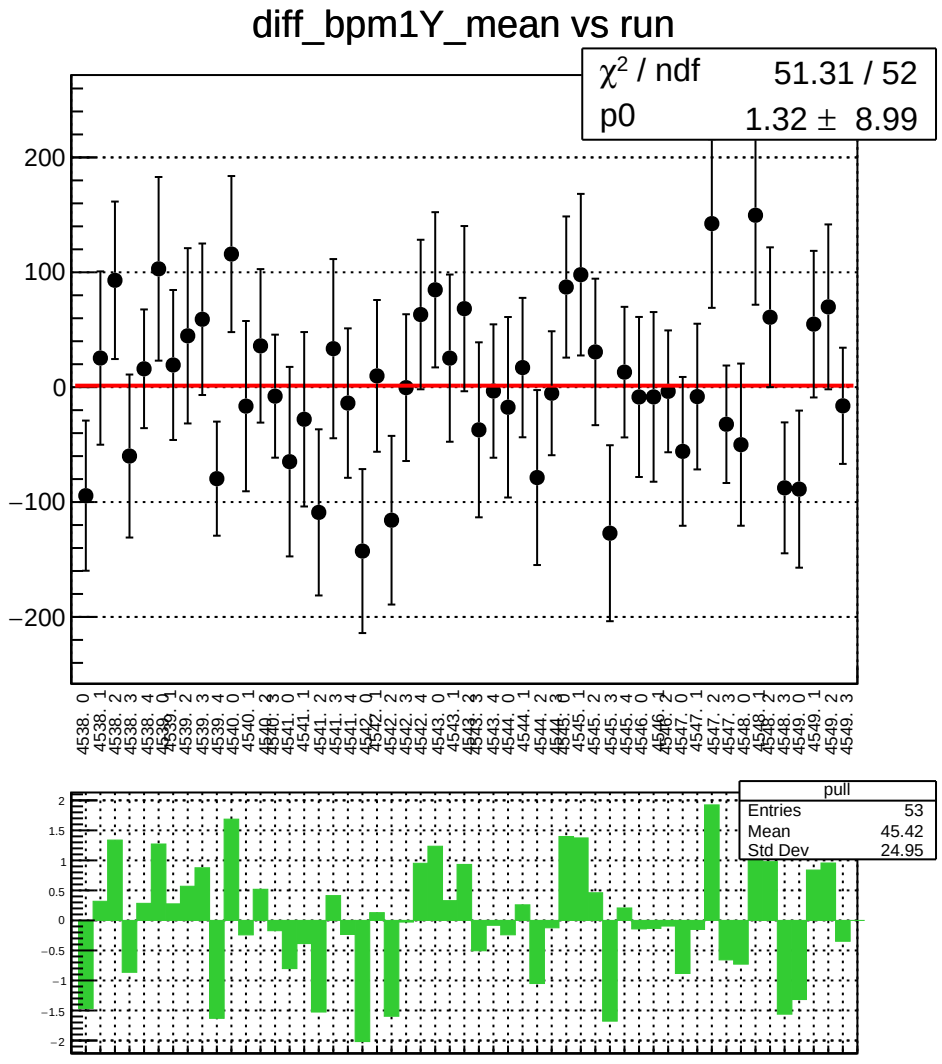

pull1D
Entries 53
Mean −0.005197
Std Dev 0.911

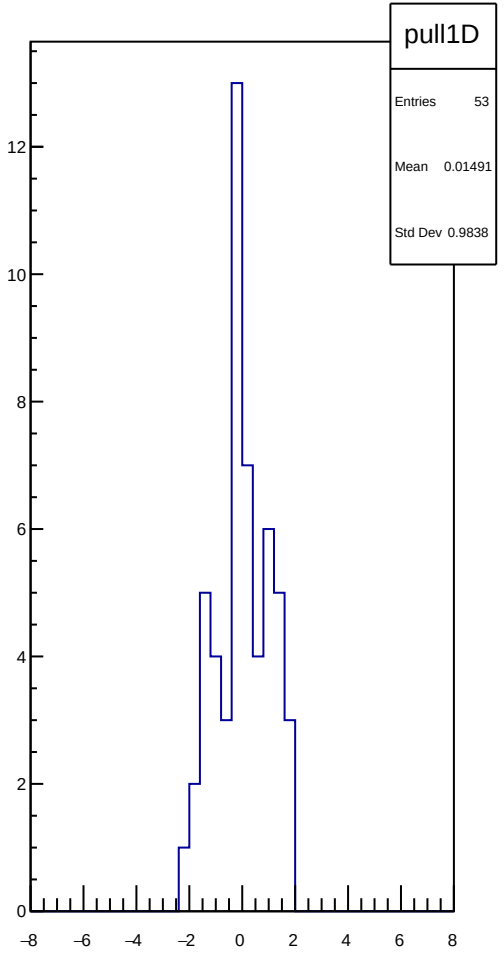

diff_bpm4ecY_rms vs run
χ² / ndf 4433 / 52
p0 6341 ± 6.119
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

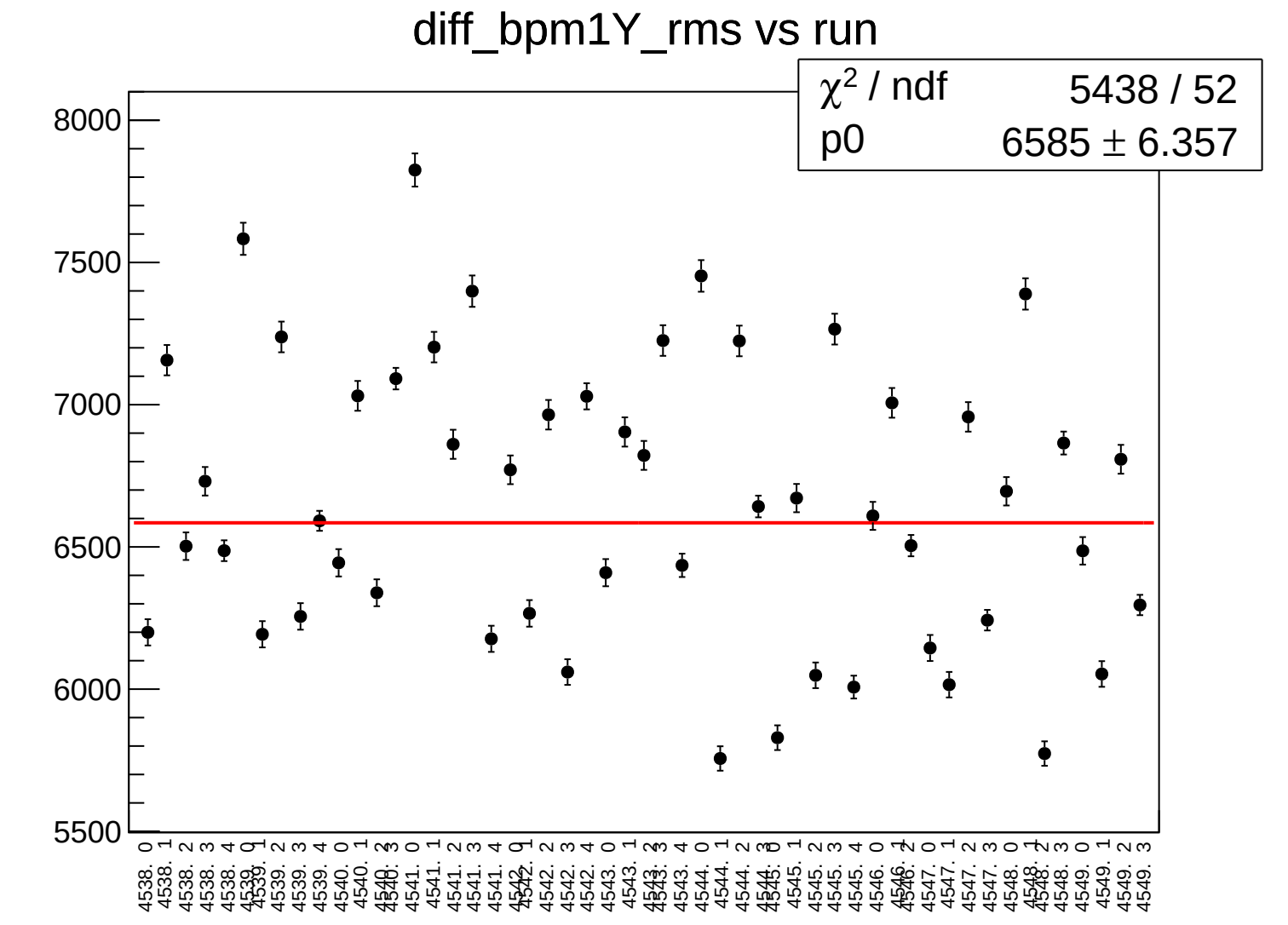

diff_bpm1X_mean vs run
χ² / ndf 56.81 / 52
p0 −28.07 ± 14.54
pull
Entries 53
Mean −208.8
Std Dev 224.3

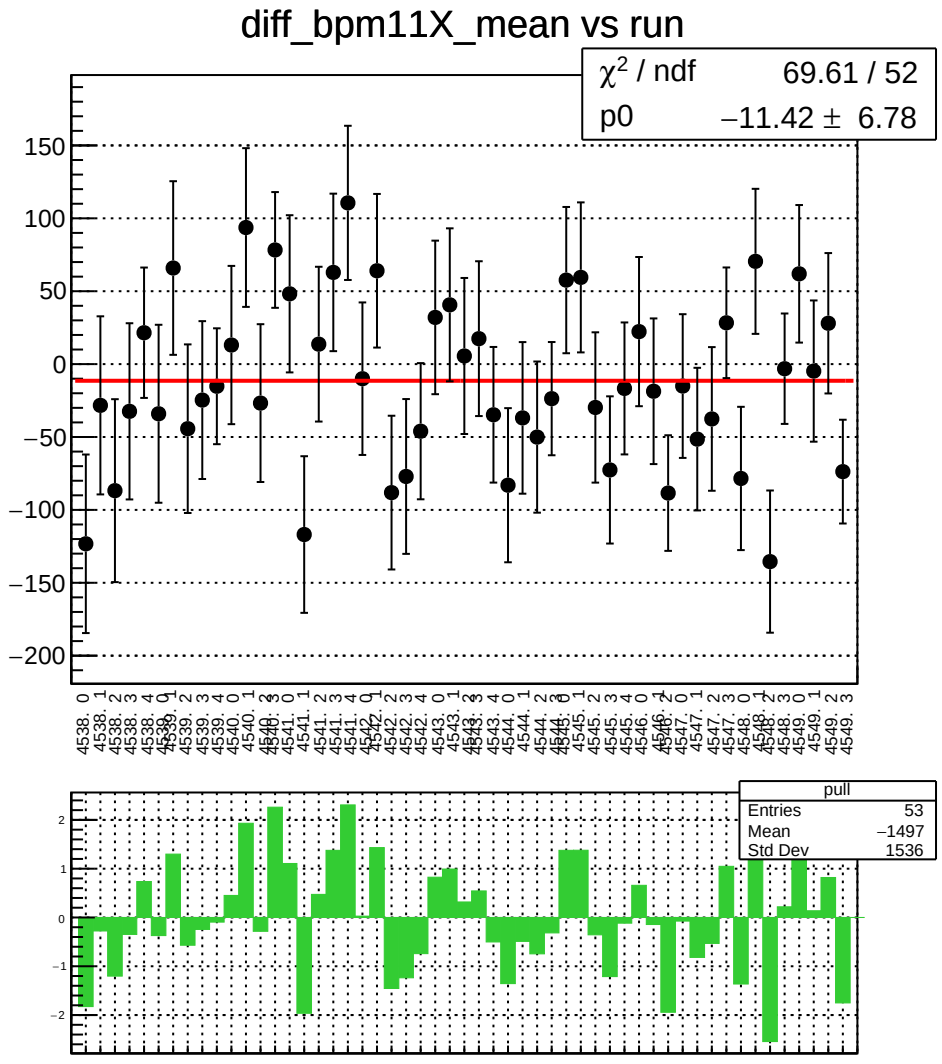

pull1D
Entries 53
Mean −0.01013
Std Dev 1.035

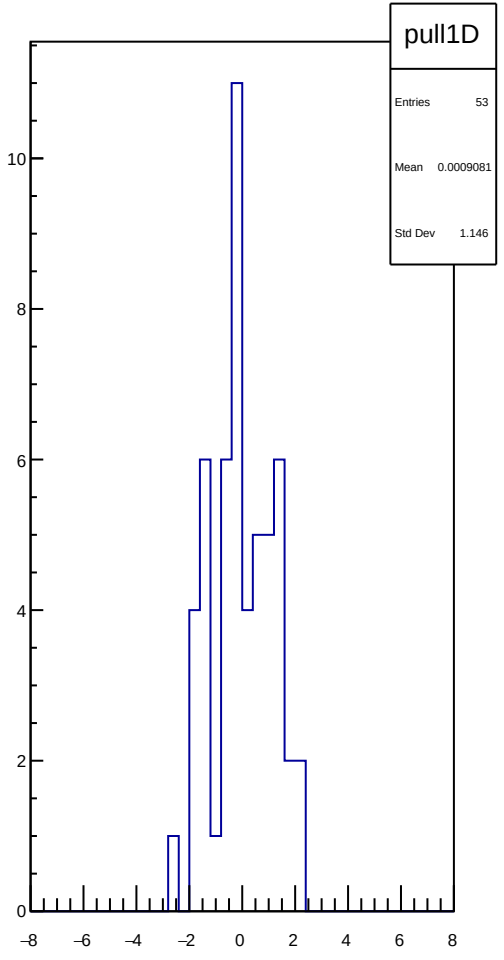

diff_bpm1X_rms vs run
χ² / ndf 1121 / 52
p0 1.067e+04 ± 10.28
11400
11200
11000
10800
10600
10400
10200
10000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

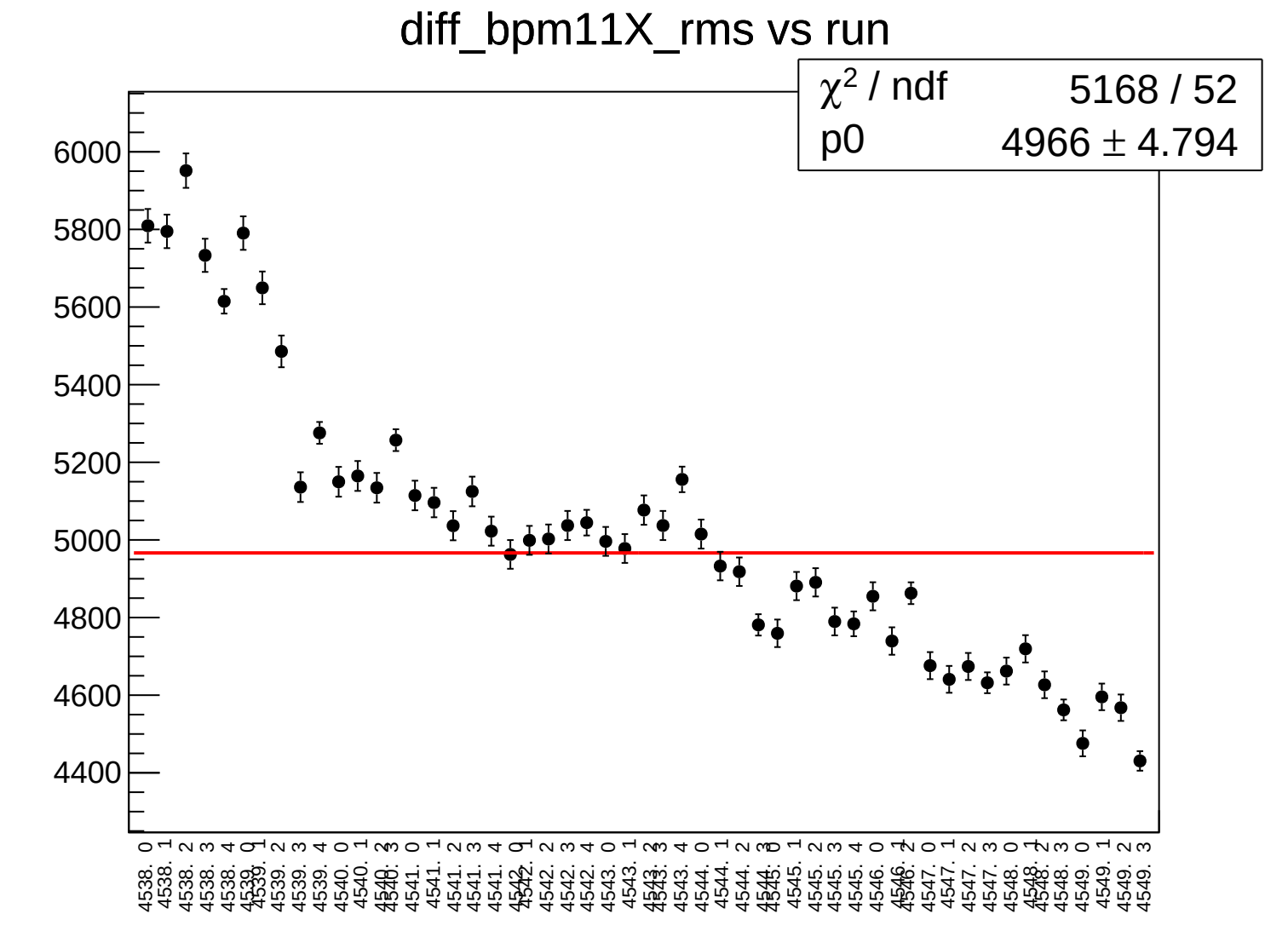

diff_bpm1Y_mean vs run
χ² / ndf 51.31 / 52
p0 1.32 ± 8.99
200
100
0
−100
−200
pull
Entries 53
Mean 45.42
Std Dev 24.95
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

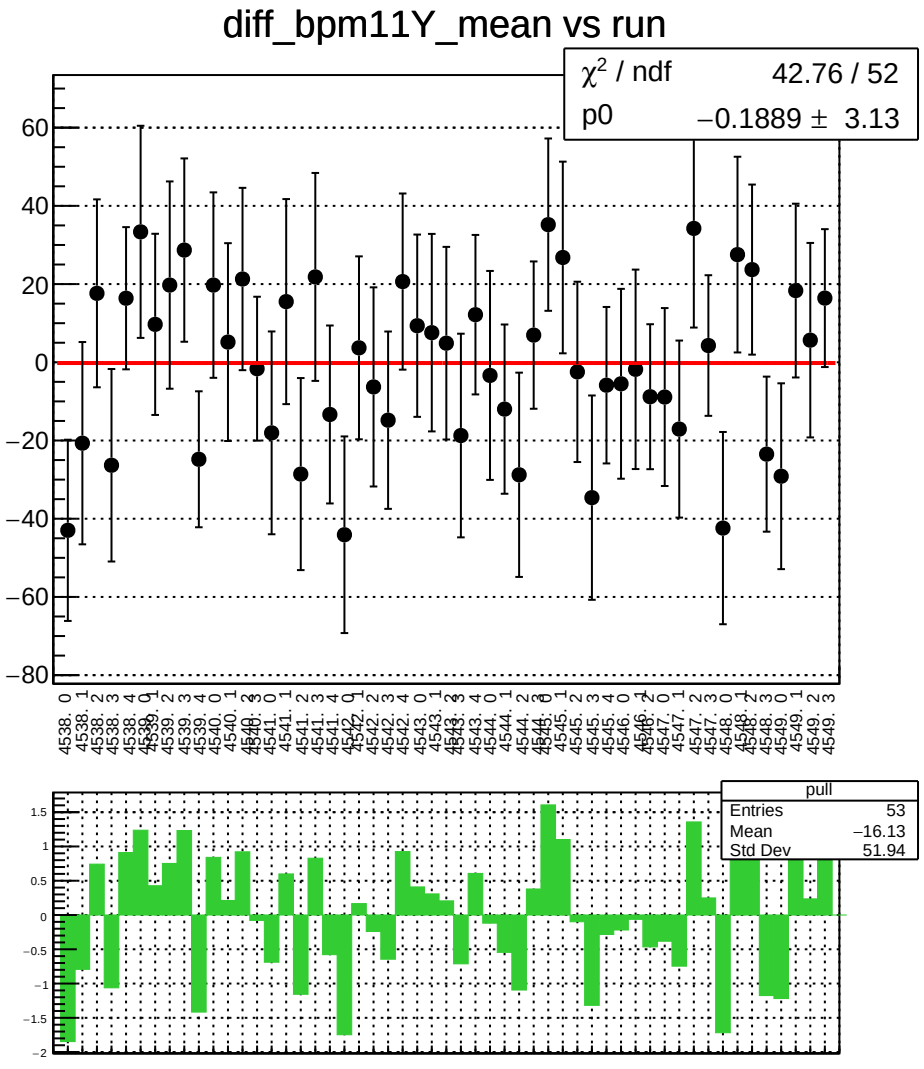

pull1D
Entries 53
Mean 0.01491
Std Dev 0.9838
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

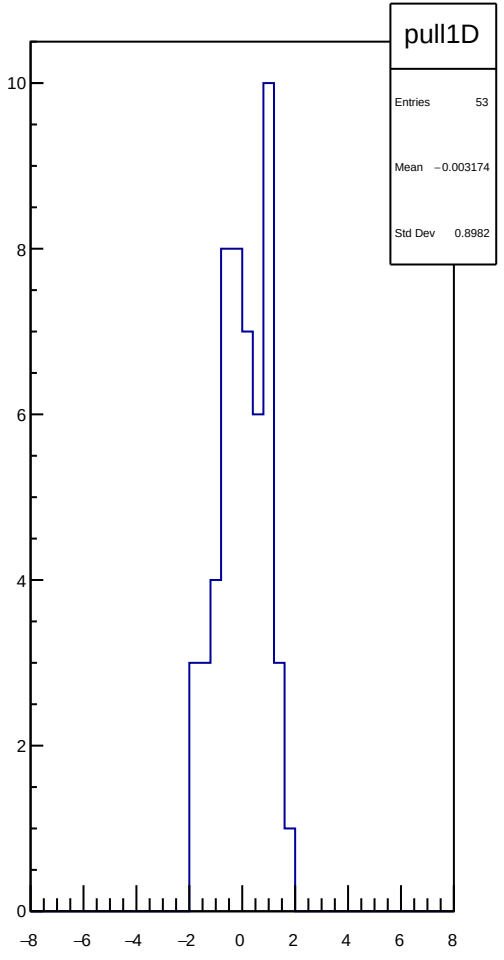

diff_bpm1Y_rms vs run
χ² / ndf 5438 / 52
p0 6585 ± 6.357
8000
7500
7000
6500
6000
5500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

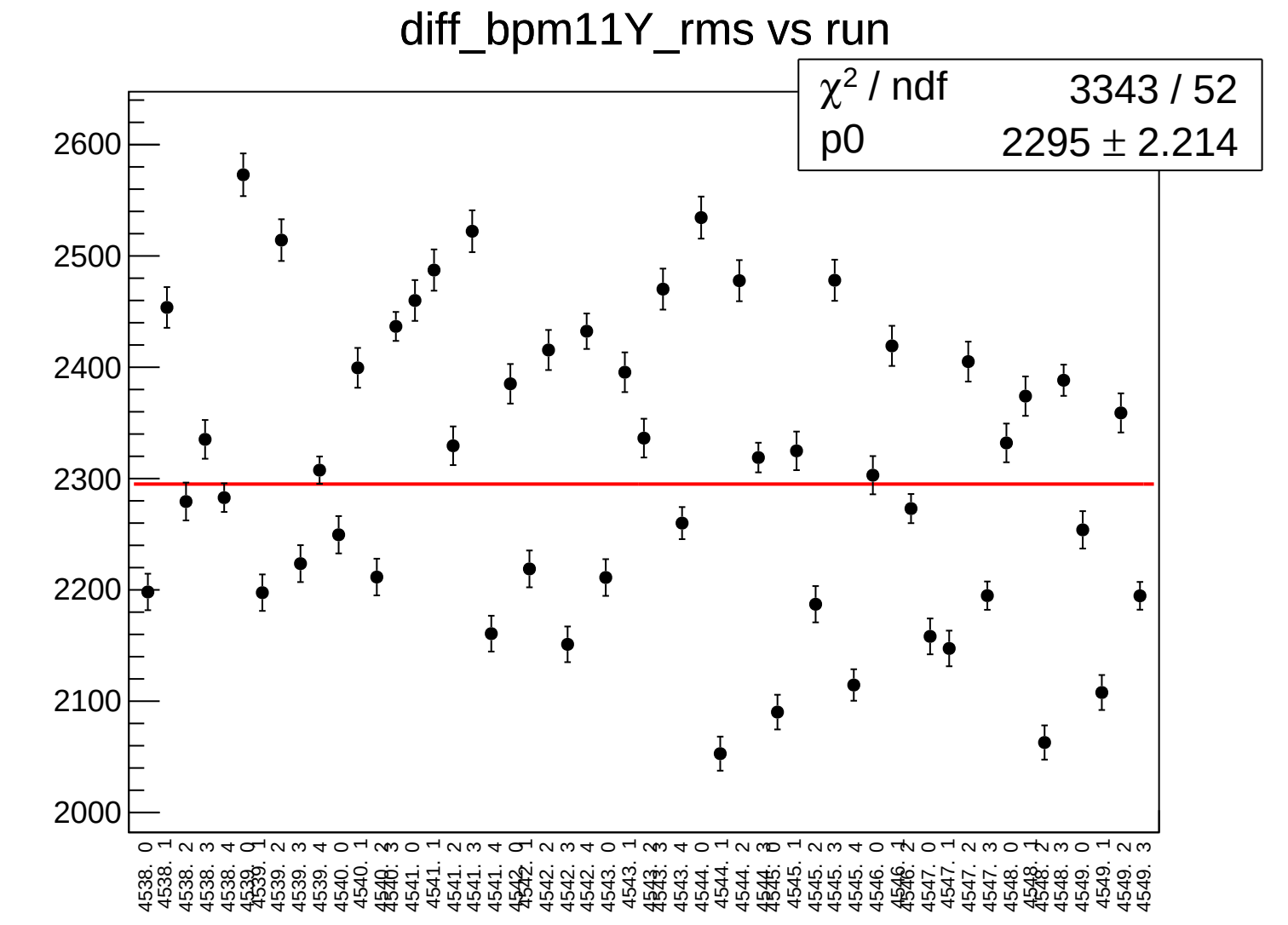

diff_bpm11X_mean vs run
χ² / ndf 69.61 / 52
p0 −11.42 ± 6.78
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −1497
Std Dev 1536
2
1
0
−1
−2

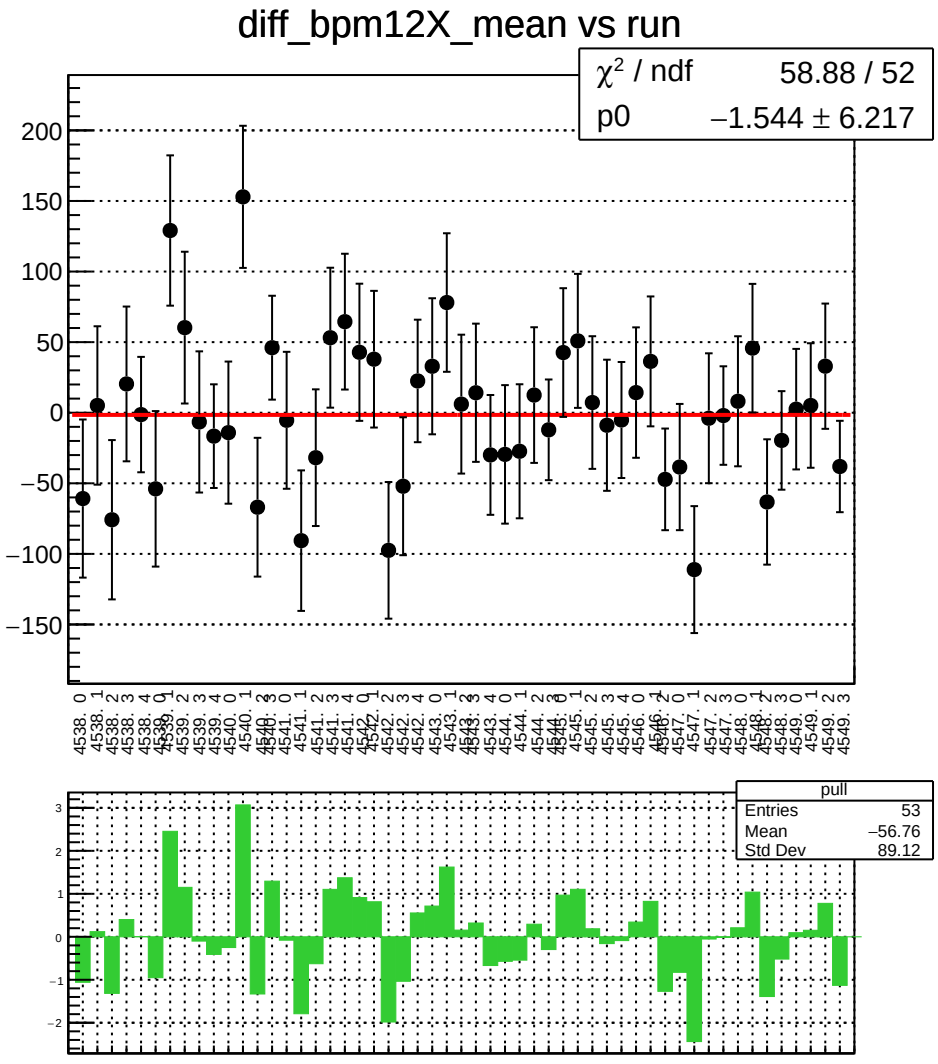

pull1D
Entries 53
Mean 0.0009081
Std Dev 1.146
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

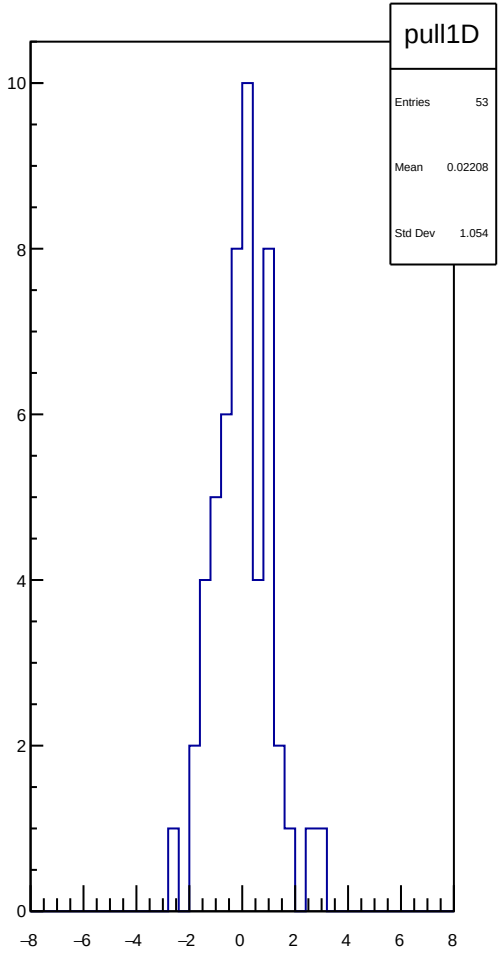

diff_bpm11X_rms vs run
χ² / ndf 5168 / 52
p0 4966 ± 4.794
6000
5800
5600
5400
5200
5000
4800
4600
4400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

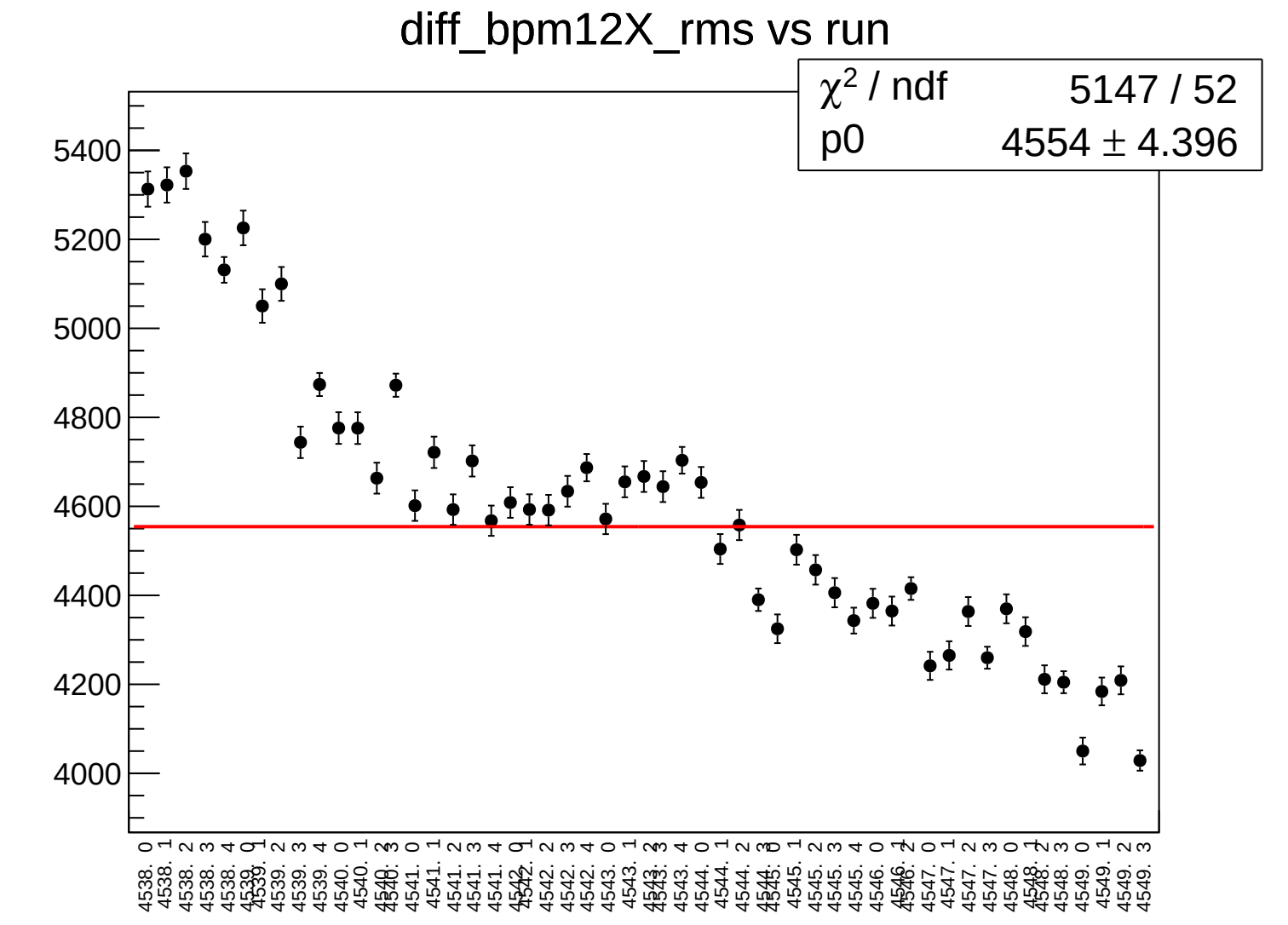

diff_bpm11Y_mean vs run
χ² / ndf 42.76 / 52
p0 −0.1889 ± 3.13
pull
Entries 53
Mean −16.13
Std Dev 51.94

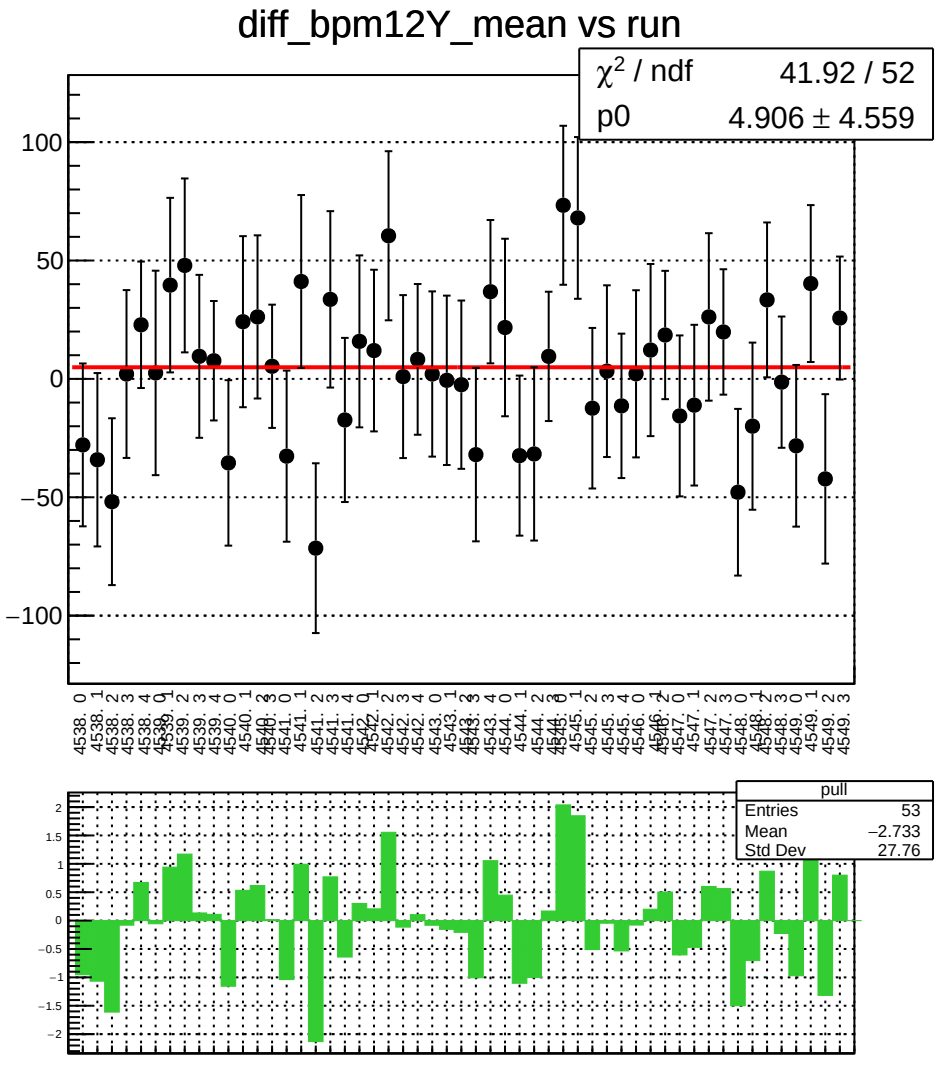

pull1D
Entries 53
Mean −0.003174
Std Dev 0.8982

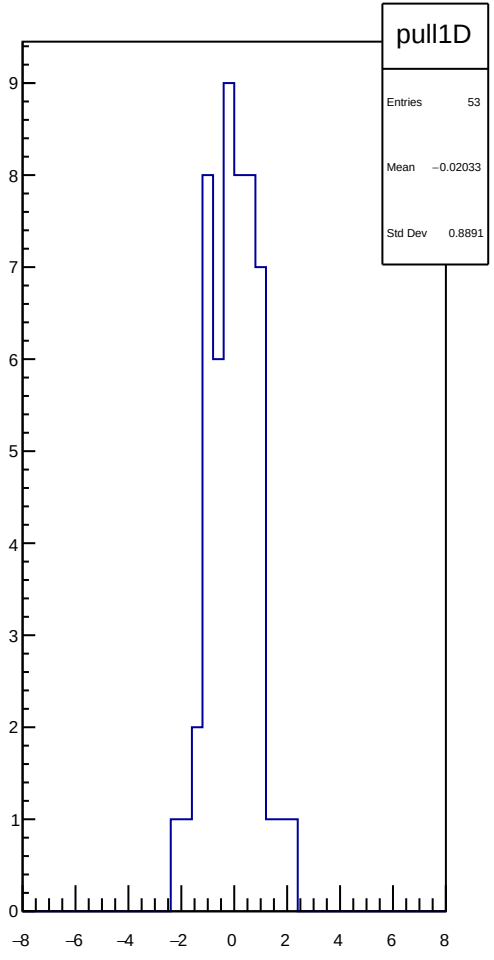

diff_bpm11Y_rms vs run
χ² / ndf 3343 / 52
p0 2295 ± 2.214
2600
2500
2400
2300
2200
2100
2000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

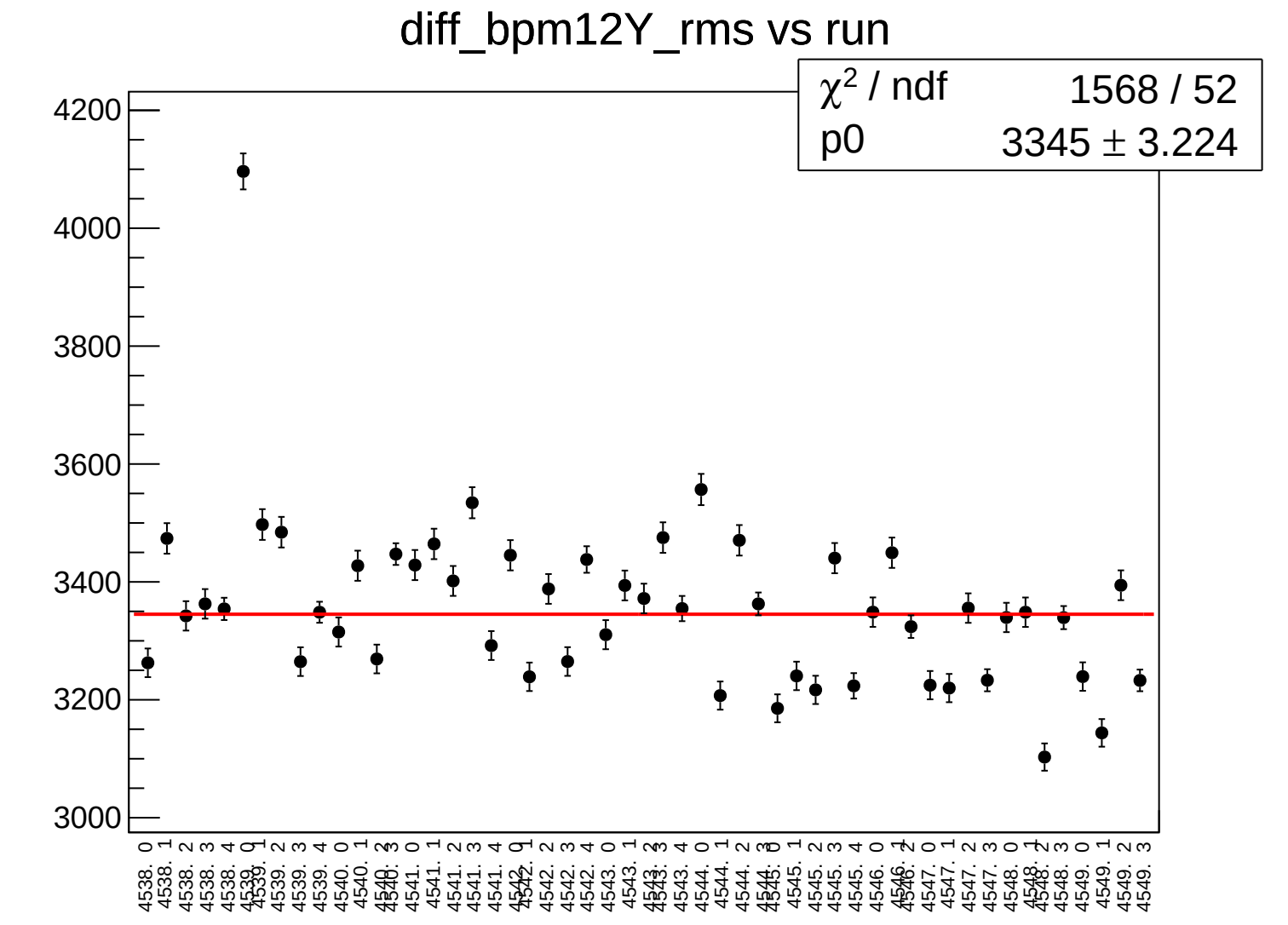

diff_bpm12X_mean vs run
χ² / ndf 58.88 / 52
p0 −1.544 ± 6.217
pull
Entries 53
Mean −56.76
Std Dev 89.12

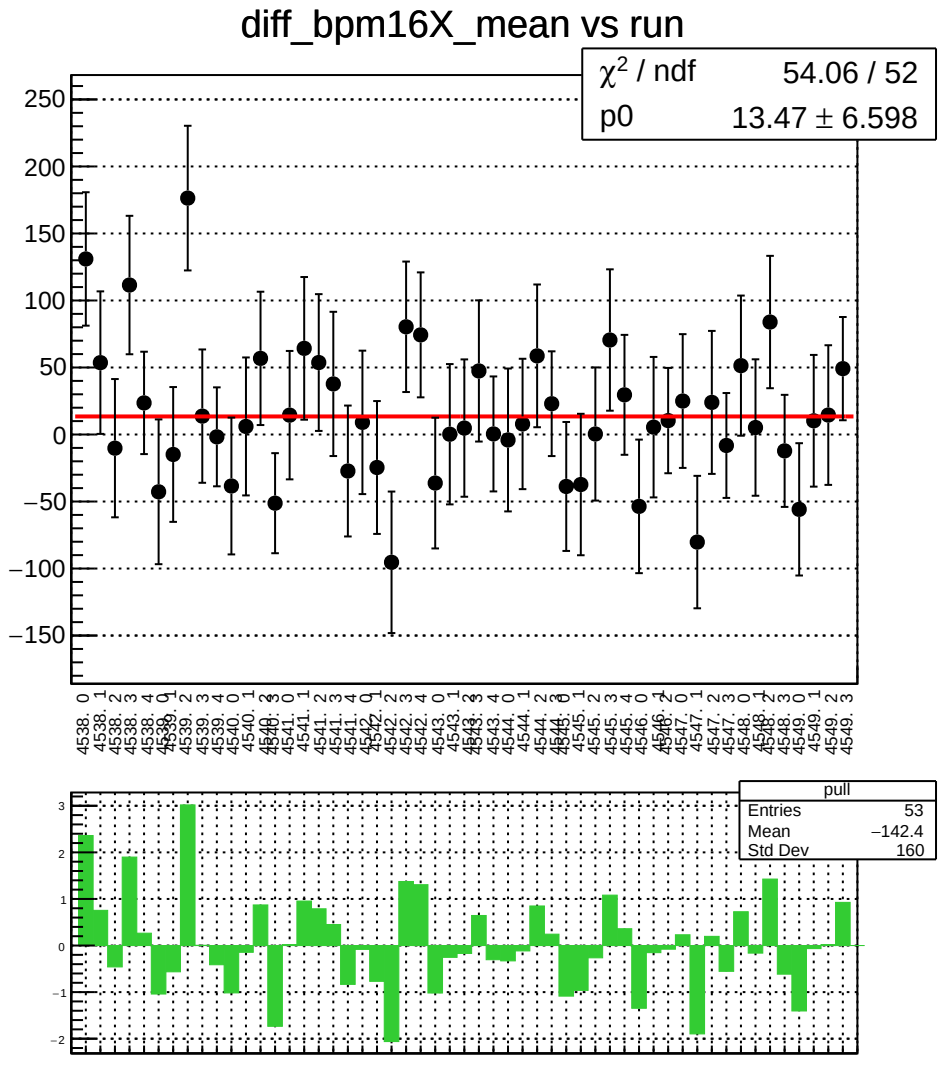

pull1D
Entries 53
Mean 0.02208
Std Dev 1.054

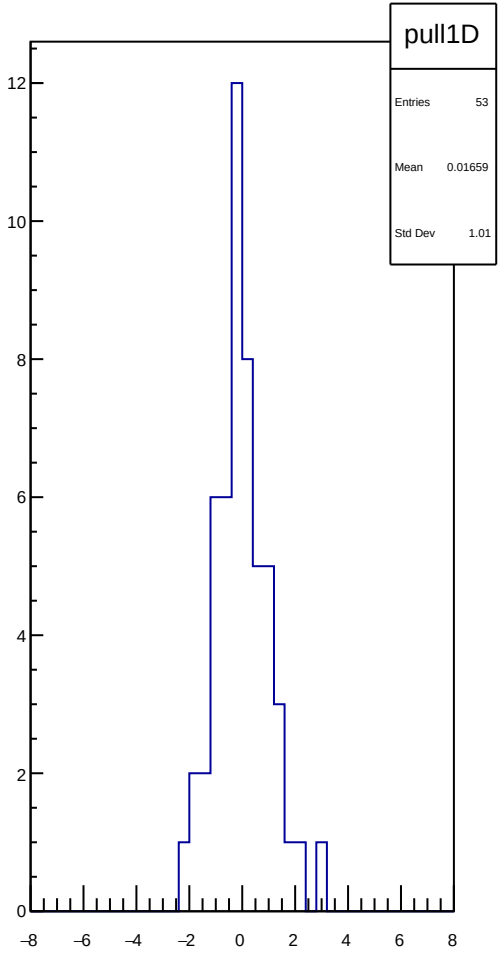

diff_bpm12X_rms vs run
χ² / ndf 5147 / 52
p0 4554 ± 4.396
5400
5200
5000
4800
4600
4400
4200
4000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

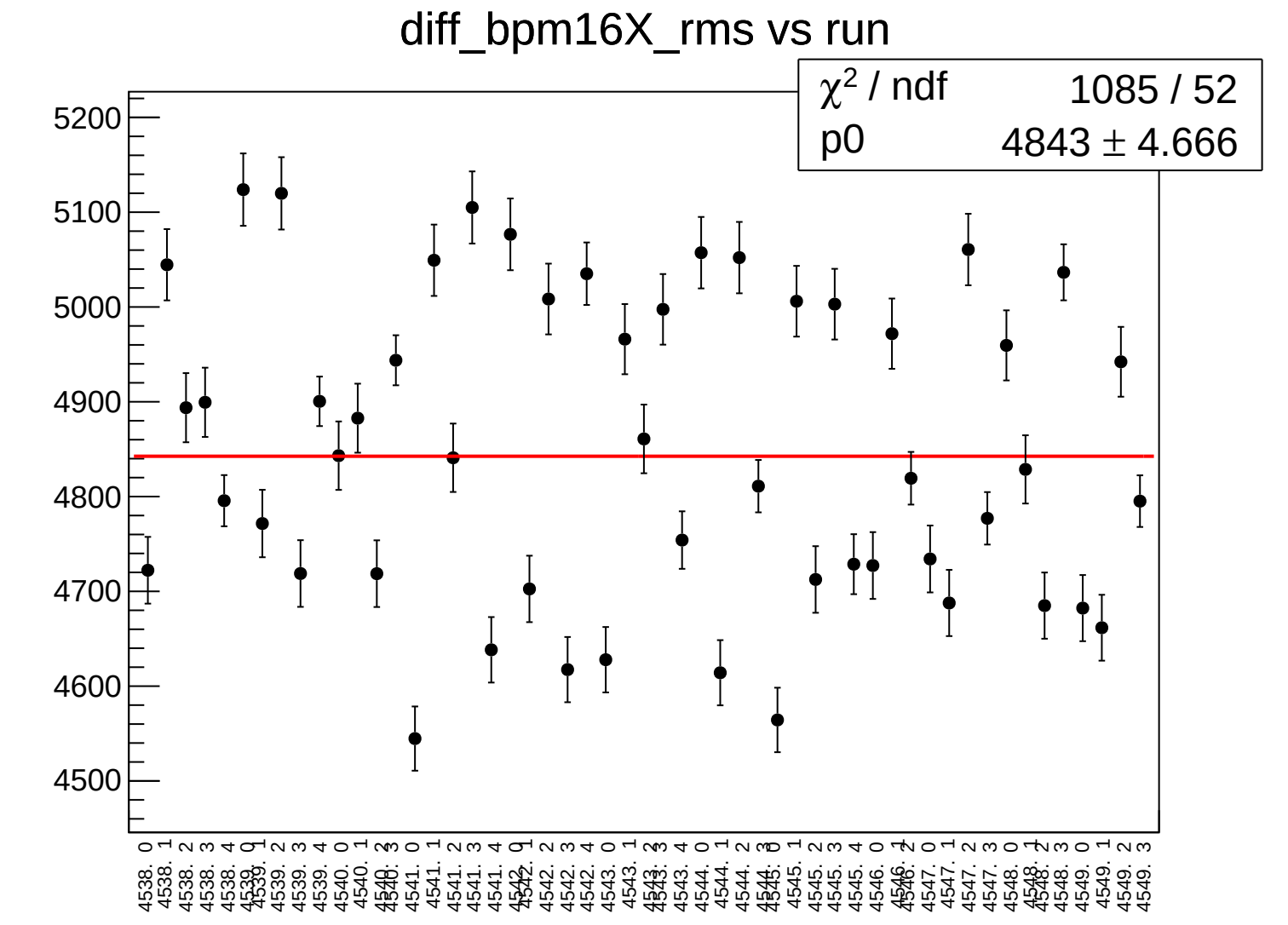

diff_bpm12Y_mean vs run
χ^2 / ndf 41.92 / 52
p0 4.906 ± 4.559
pull
Entries 53
Mean −2.733
Std Dev 27.76

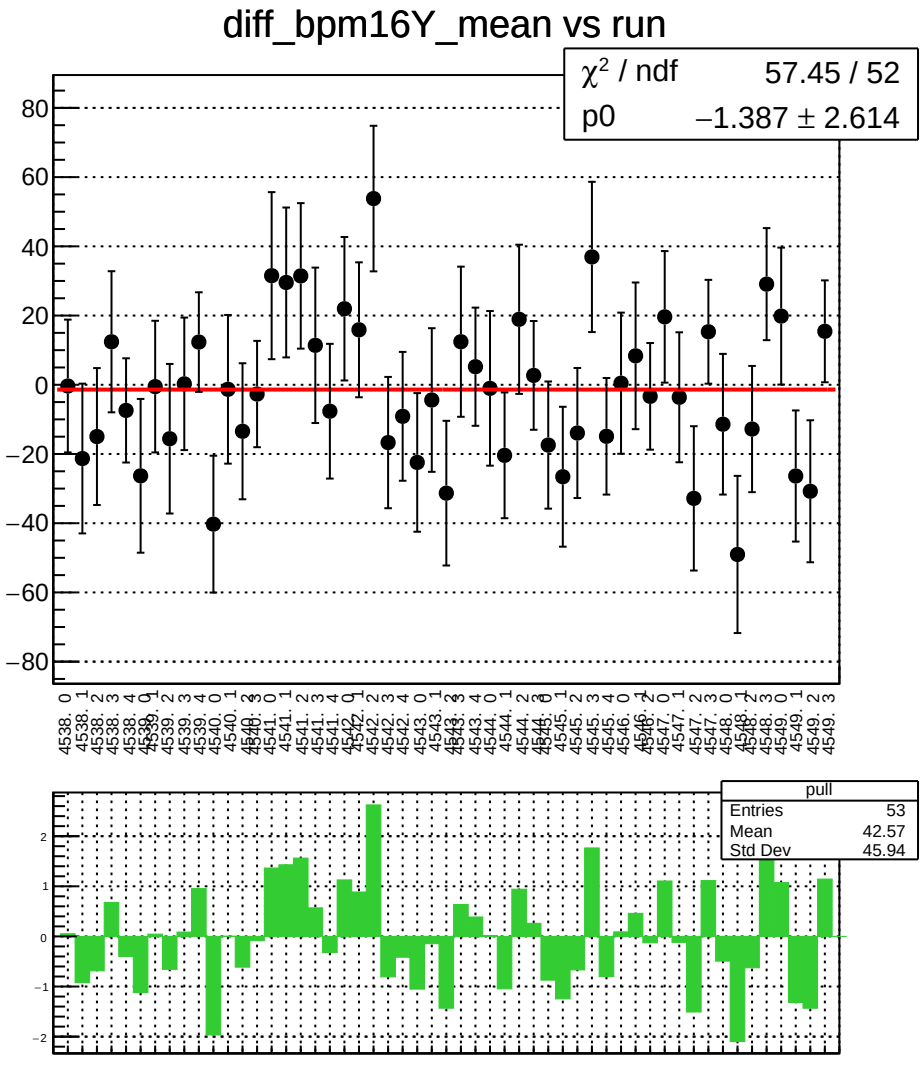

pull1D
Entries 53
Mean −0.02033
Std Dev 0.8891

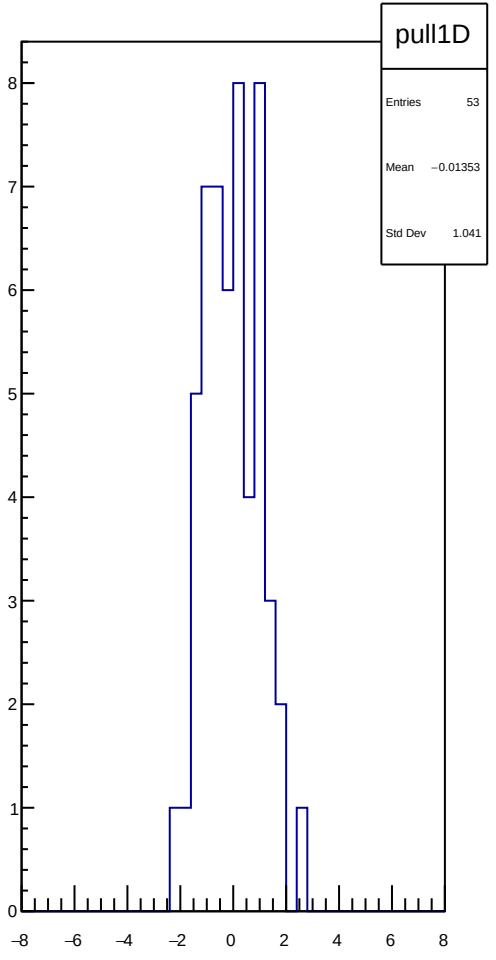

diff_bpm12Y_rms vs run
χ² / ndf 1568 / 52
p0 3345 ± 3.224
4200
4000
3800
3600
3400
3200
3000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

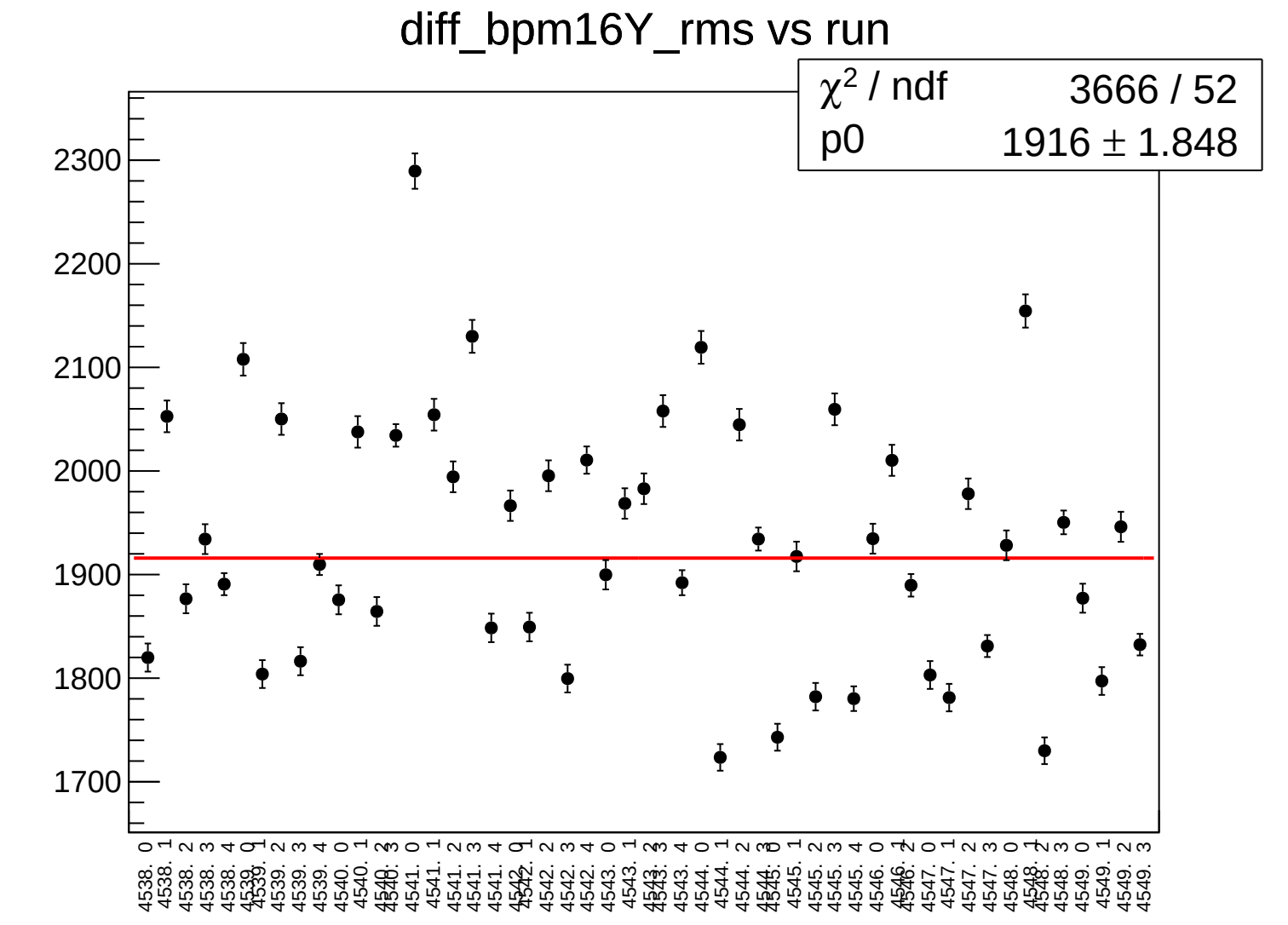

diff_bpm16X_mean vs run
χ² / ndf 54.06 / 52
p0 13.47 ± 6.598
pull
Entries 53
Mean −142.4
Std Dev 160

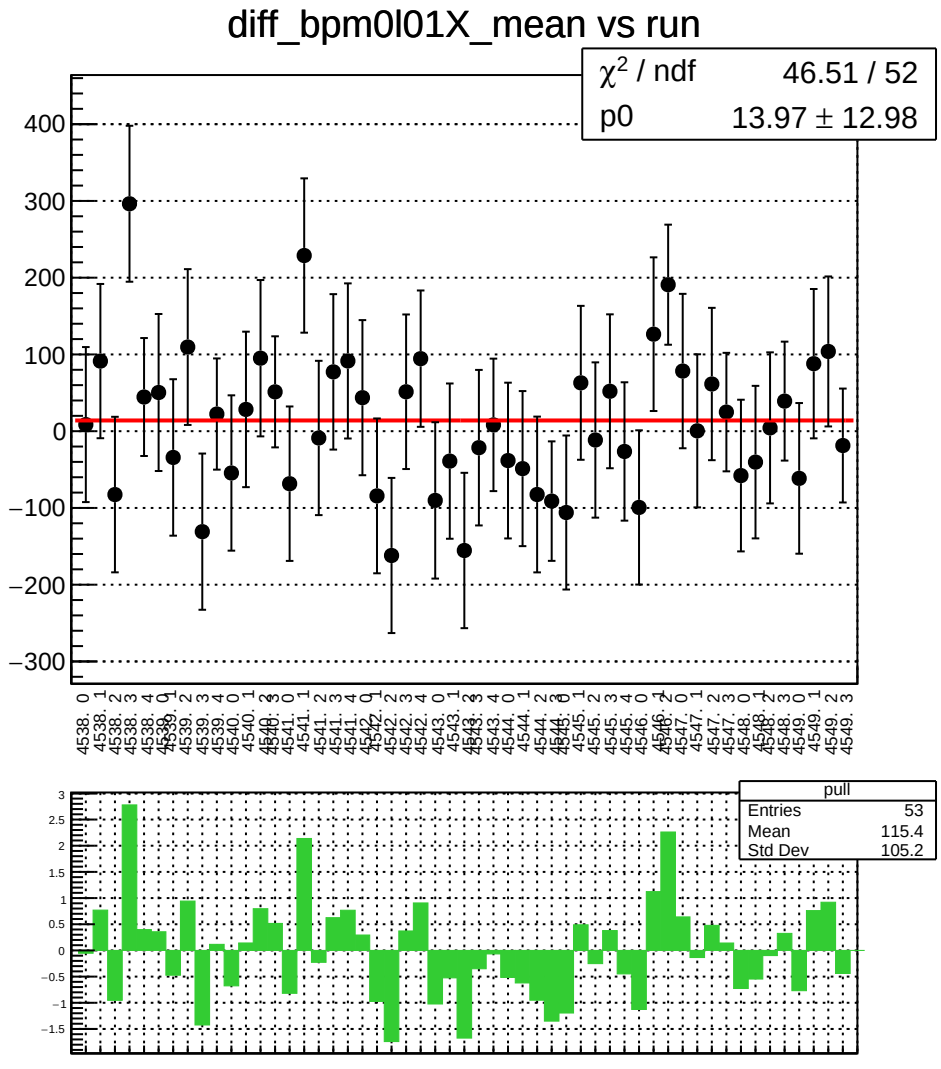

pull1D
Entries 53
Mean 0.01659
Std Dev 1.01

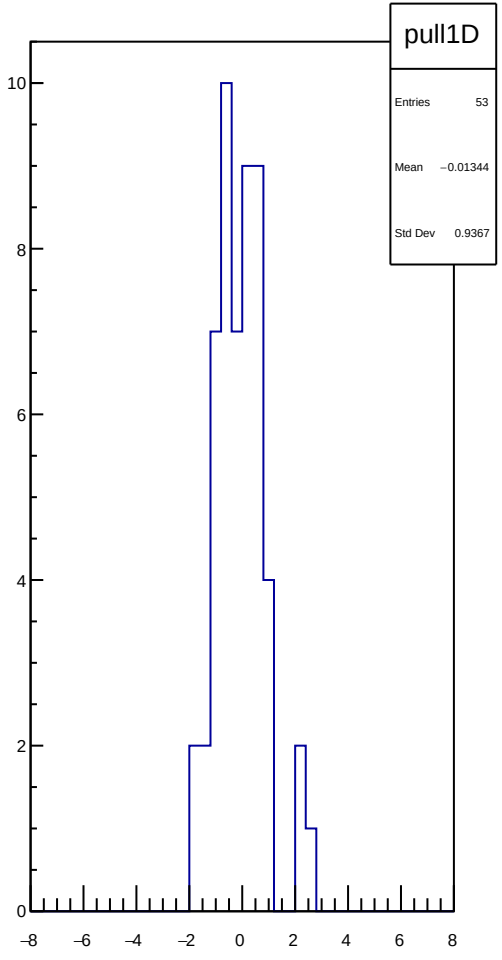

diff_bpm16X_rms vs run
χ² / ndf 1085 / 52
p0 4843 ± 4.666
5200
5100
5000
4900
4800
4700
4600
4500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

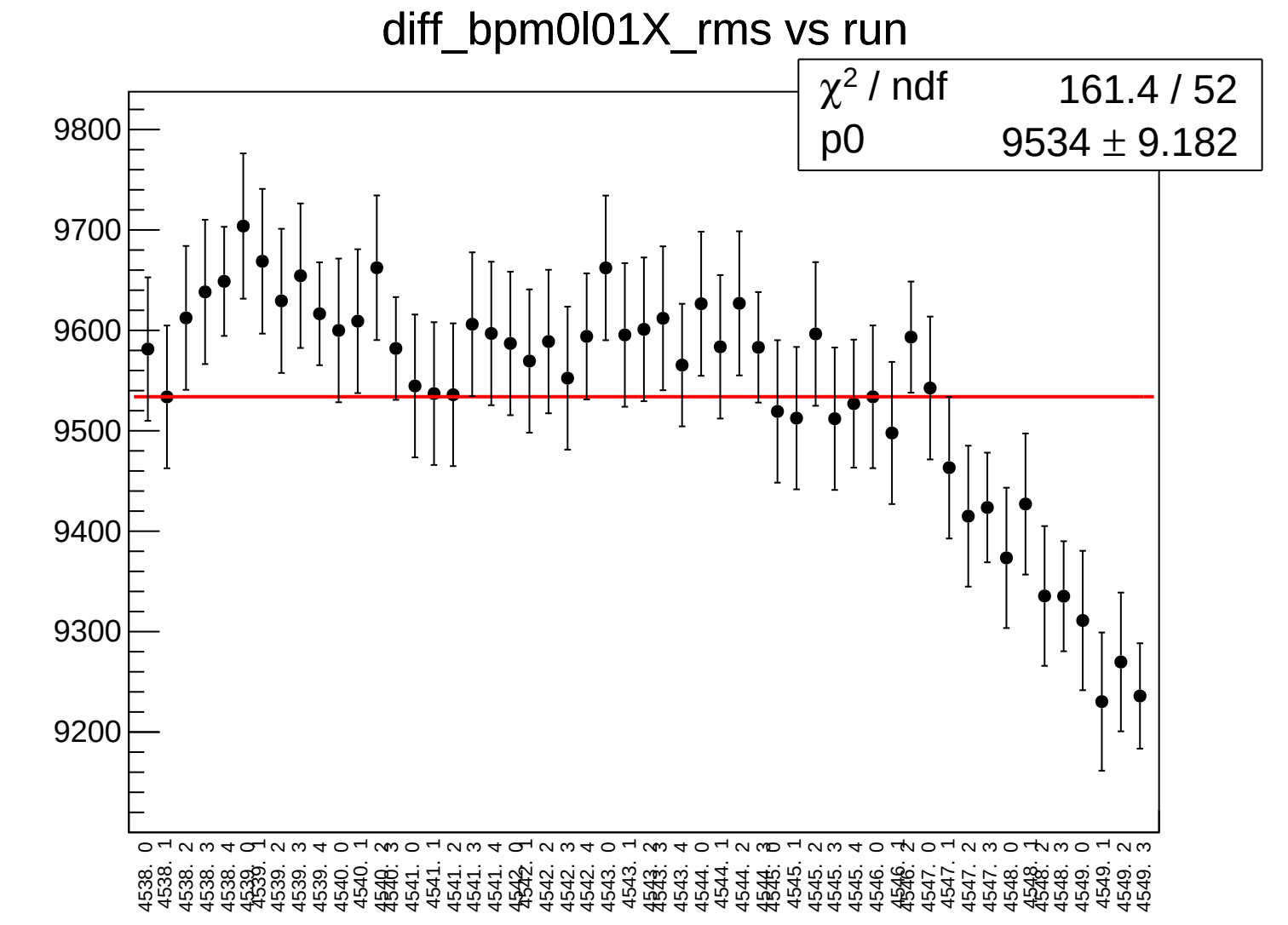

diff_bpm16Y_mean vs run
χ² / ndf 57.45 / 52
p0 −1.387 ± 2.614
pull
Entries 53
Mean 42.57
Std Dev 45.94

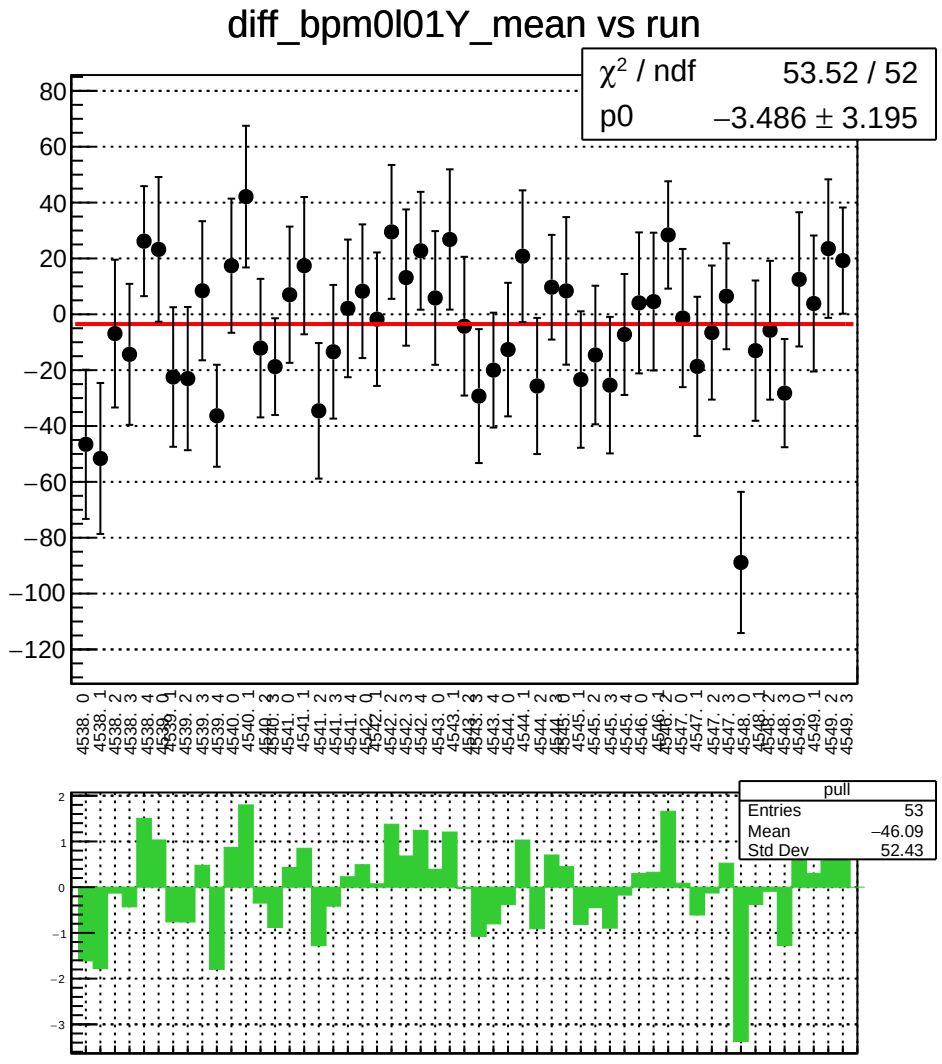

pull1D
Entries 53
Mean −0.01353
Std Dev 1.041

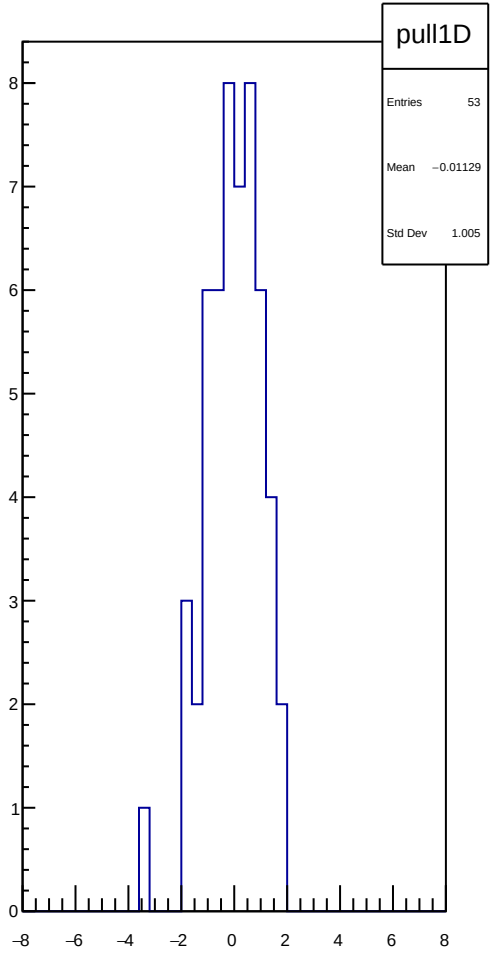

diff_bpm16Y_rms vs run
χ² / ndf 3666 / 52
p0 1916 ± 1.848
2300
2200
2100
2000
1900
1800
1700
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

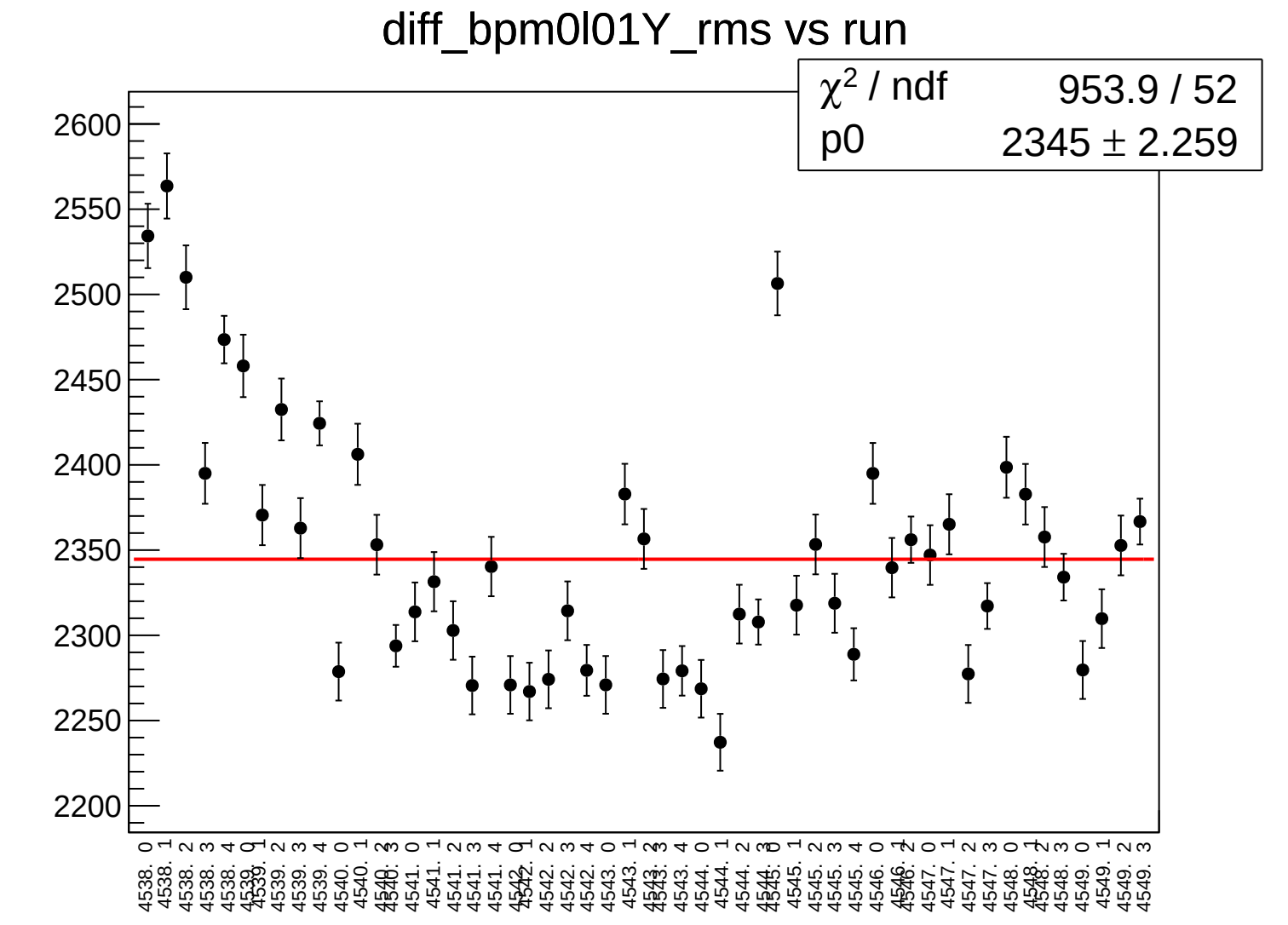

diff_bpm0l01X_mean vs run
χ² / ndf 46.51 / 52
p0 13.97 ± 12.98
pull
Entries 53
Mean 115.4
Std Dev 105.2

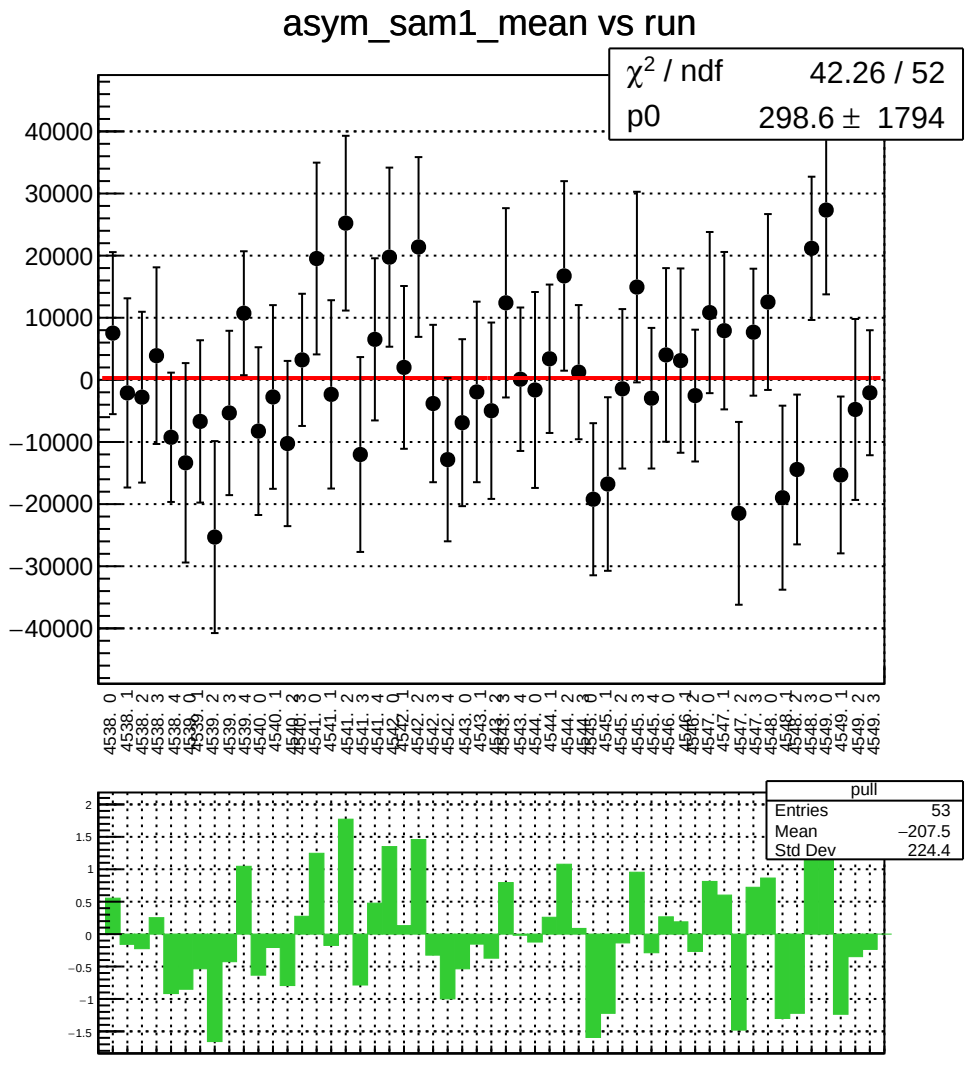

pull1D
Entries 53
Mean −0.01344
Std Dev 0.9367

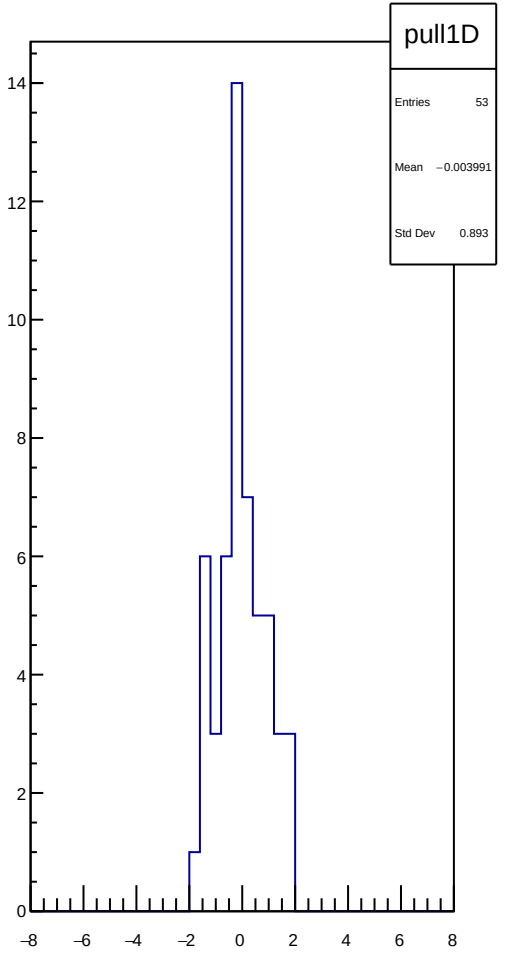

diff_bpm0l01X_rms vs run
χ² / ndf 161.4 / 52
p0 9534 ± 9.182
9800
9700
9600
9500
9400
9300
9200
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

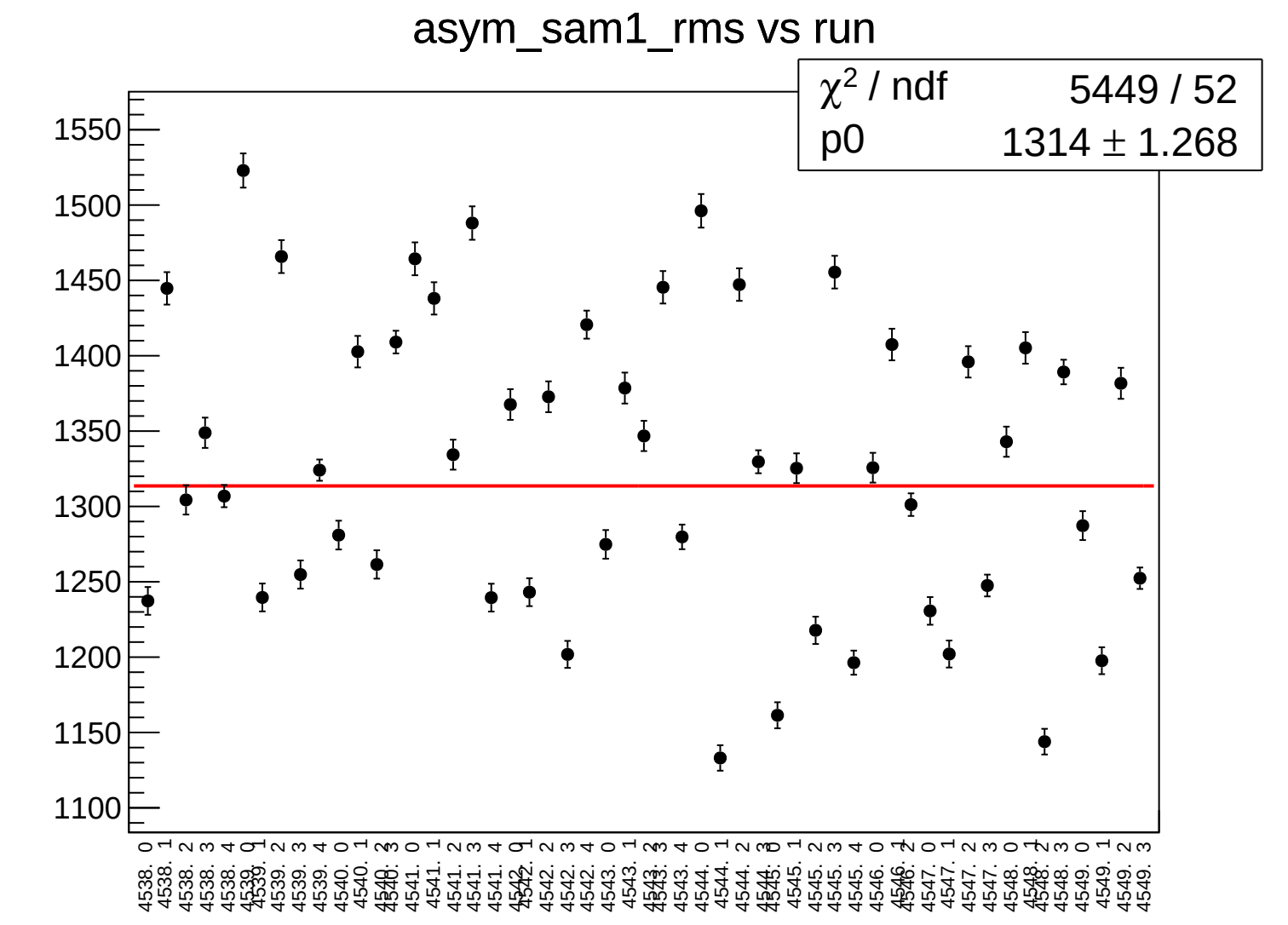

diff_bpm0l01Y_mean vs run
χ² / ndf 53.52 / 52
p0 −3.486 ± 3.195
pull
Entries 53
Mean −46.09
Std Dev 52.43

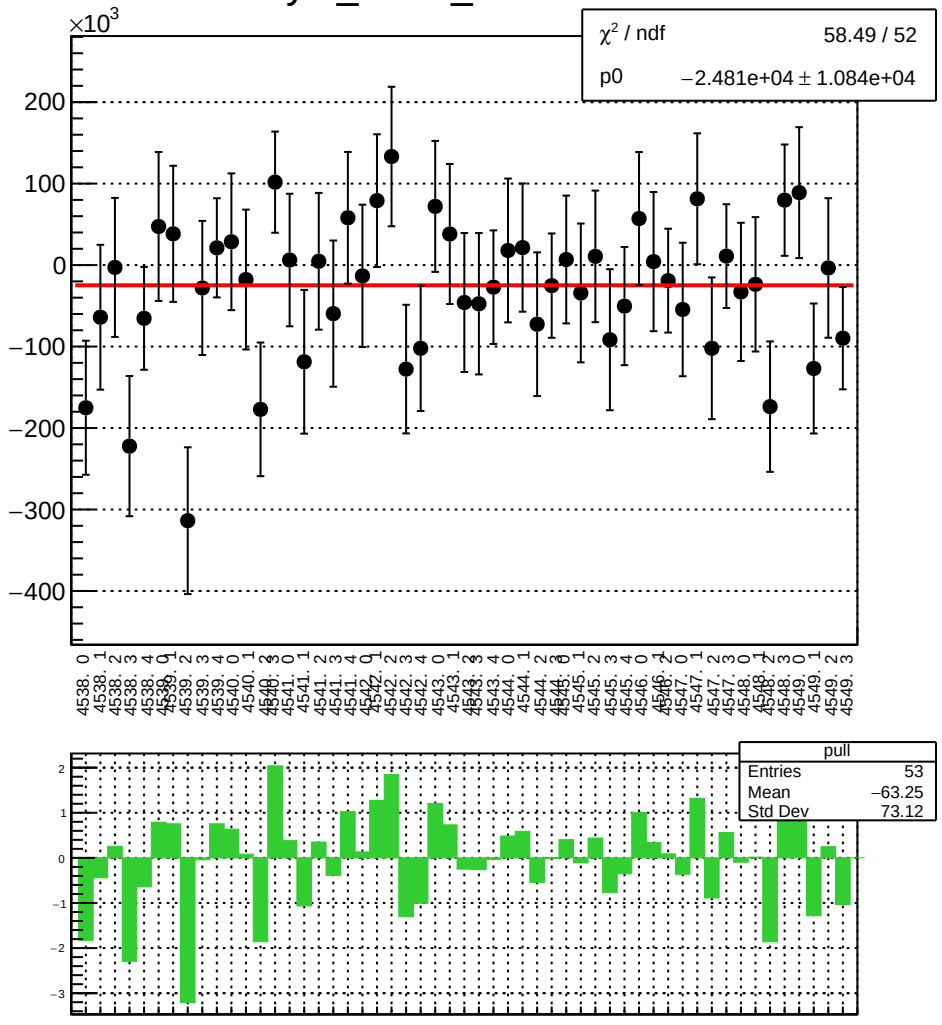

pull1D
Entries 53
Mean −0.01129
Std Dev 1.005

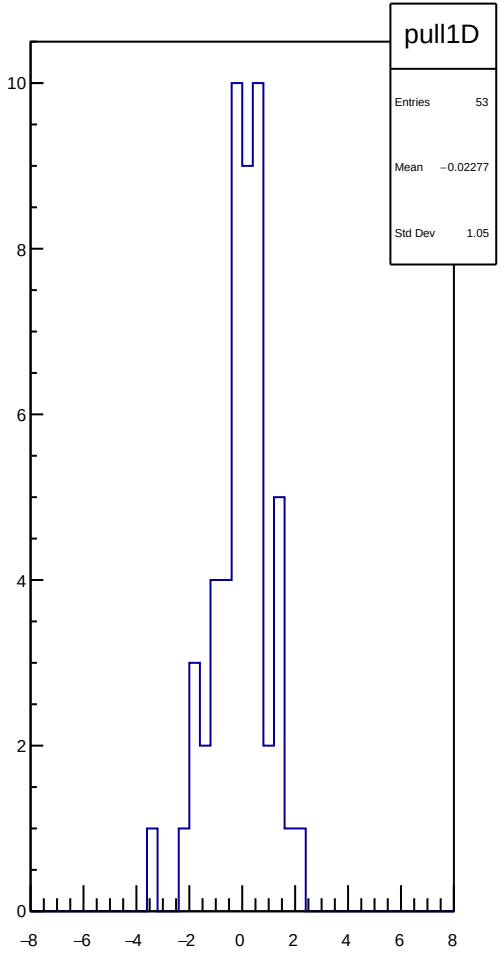

diff_bpm0l01Y_rms vs run
χ² / ndf 953.9 / 52
p0 2345 ± 2.259
2600
2550
2500
2450
2400
2350
2300
2250
2200
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

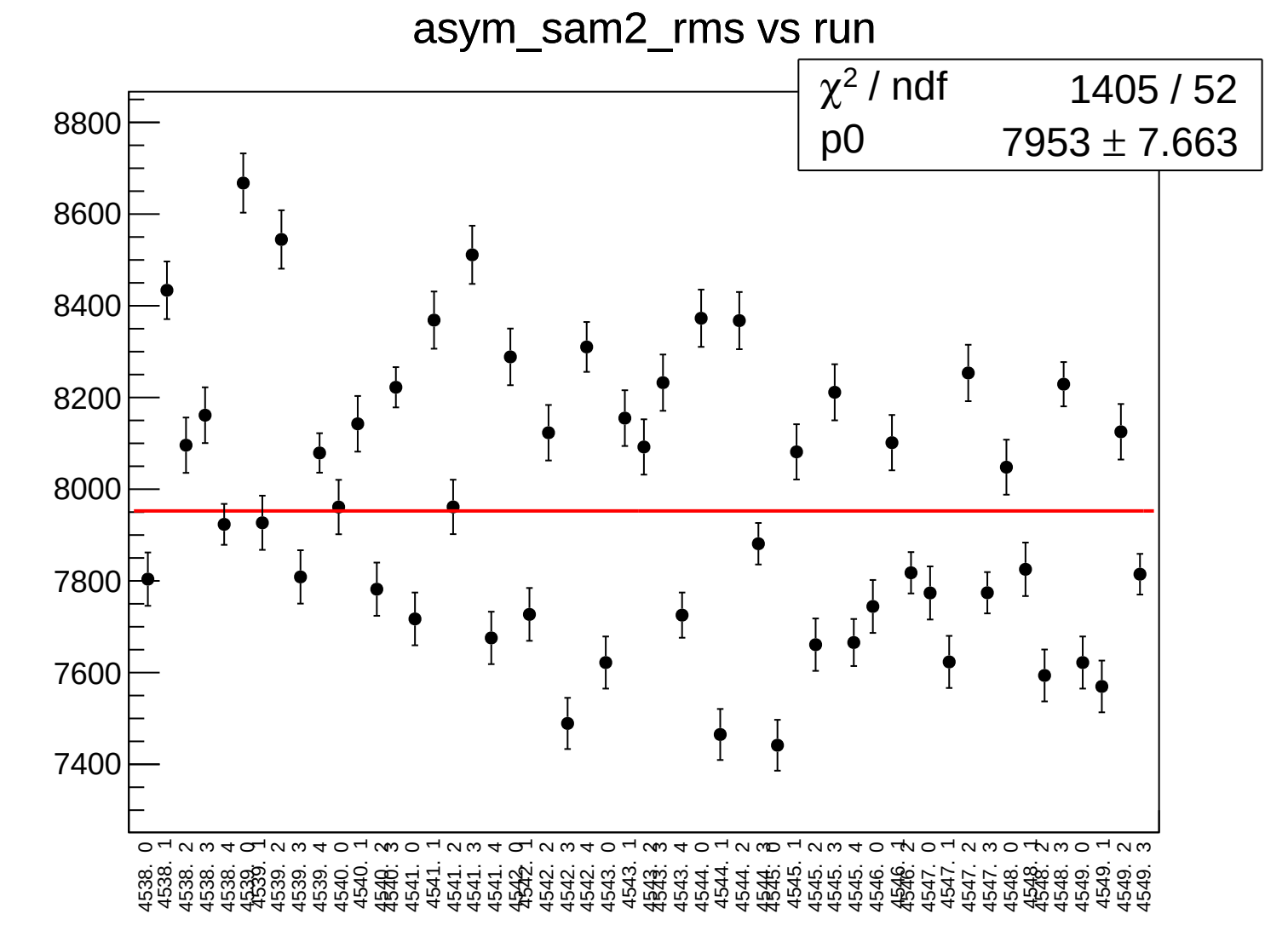

asym_sam1_mean vs run
χ² / ndf 42.26 / 52
p0 298.6 ± 1794
pull
Entries 53
Mean −207.5
Std Dev 224.4

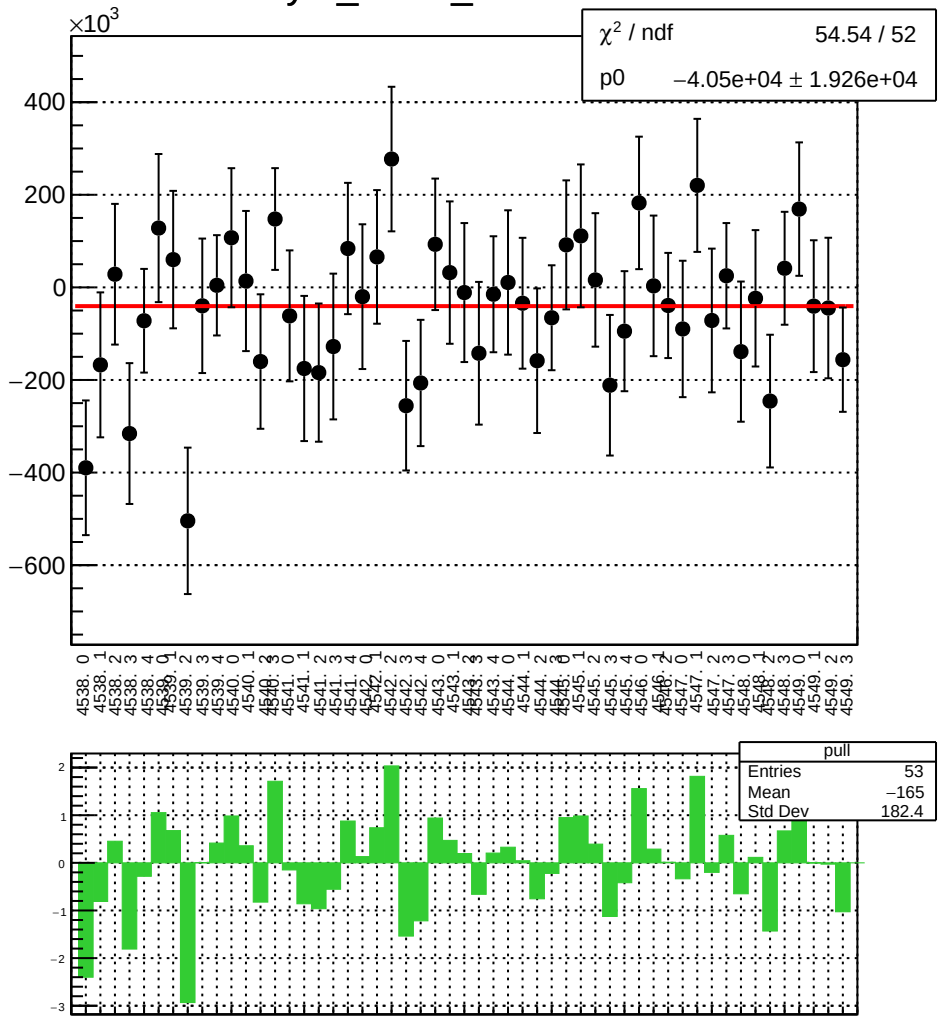

pull1D
Entries 53
Mean −0.003991
Std Dev 0.893

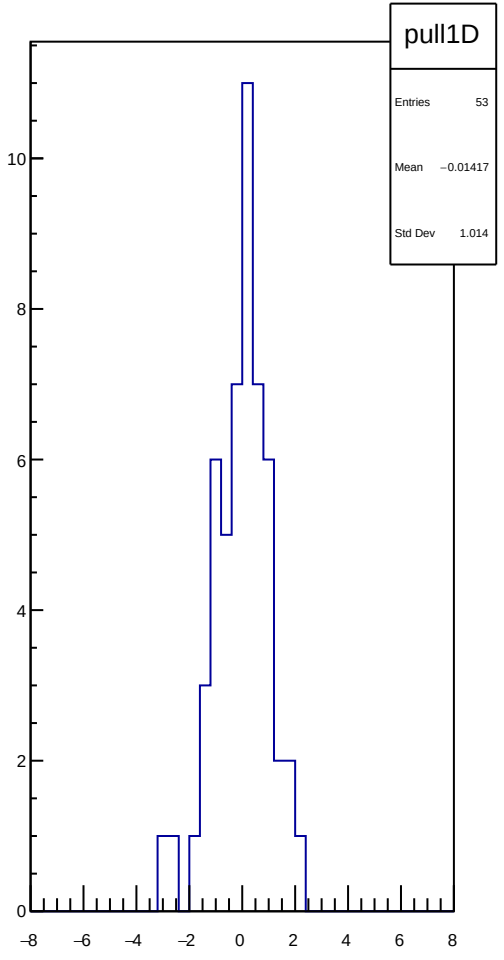

asym_sam1_rms vs run
χ² / ndf 5449 / 52
p0 1314 ± 1.268
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

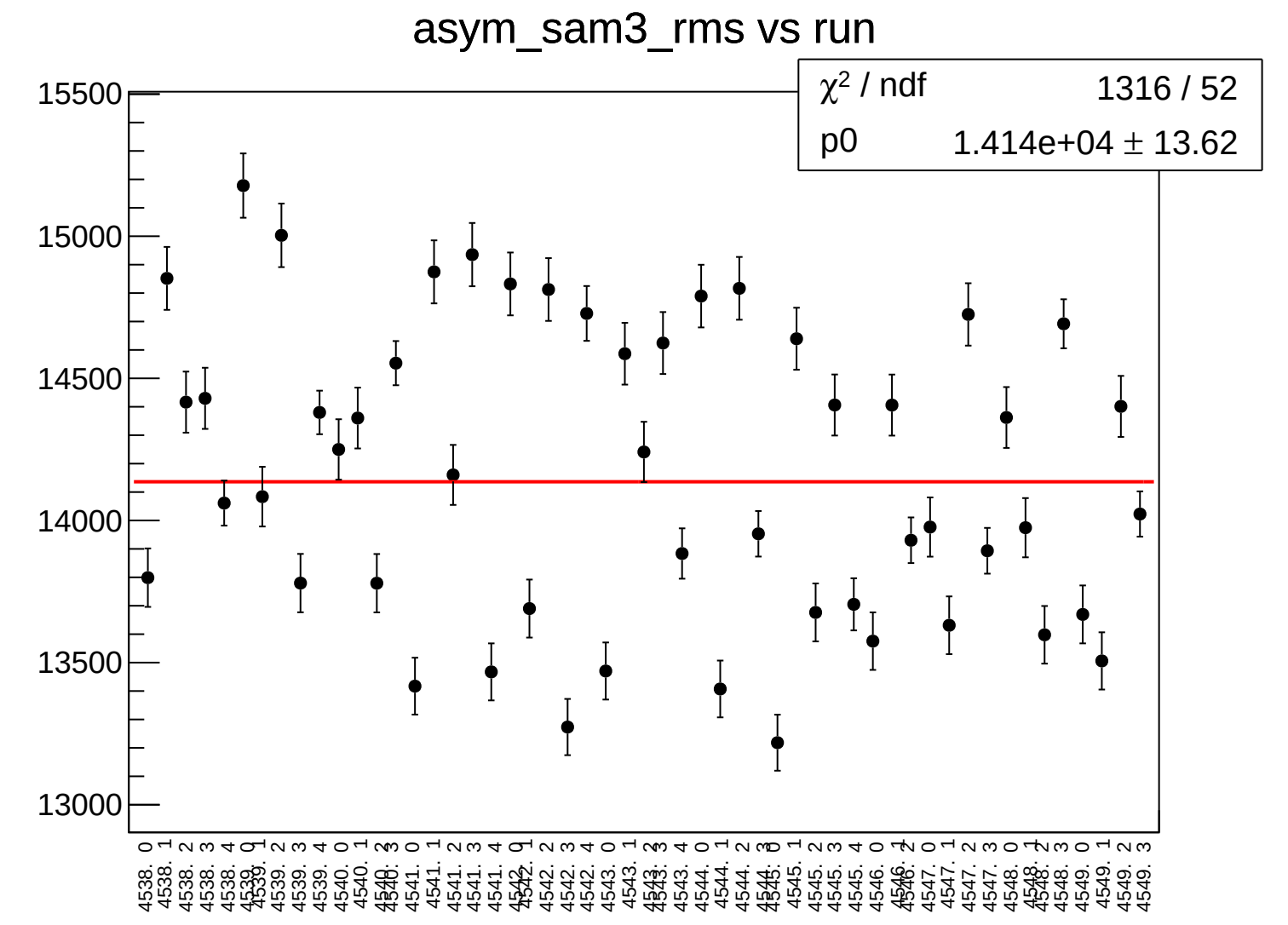

asym_sam2_mean vs run
×10^3
χ² / ndf 58.49 / 52
p0 −2.481e+04 ± 1.084e+04
200
100
0
−100
−200
−300
−400
pull
Entries 53
Mean −63.25
Std Dev 73.12
2
1
0
−1
−2
−3

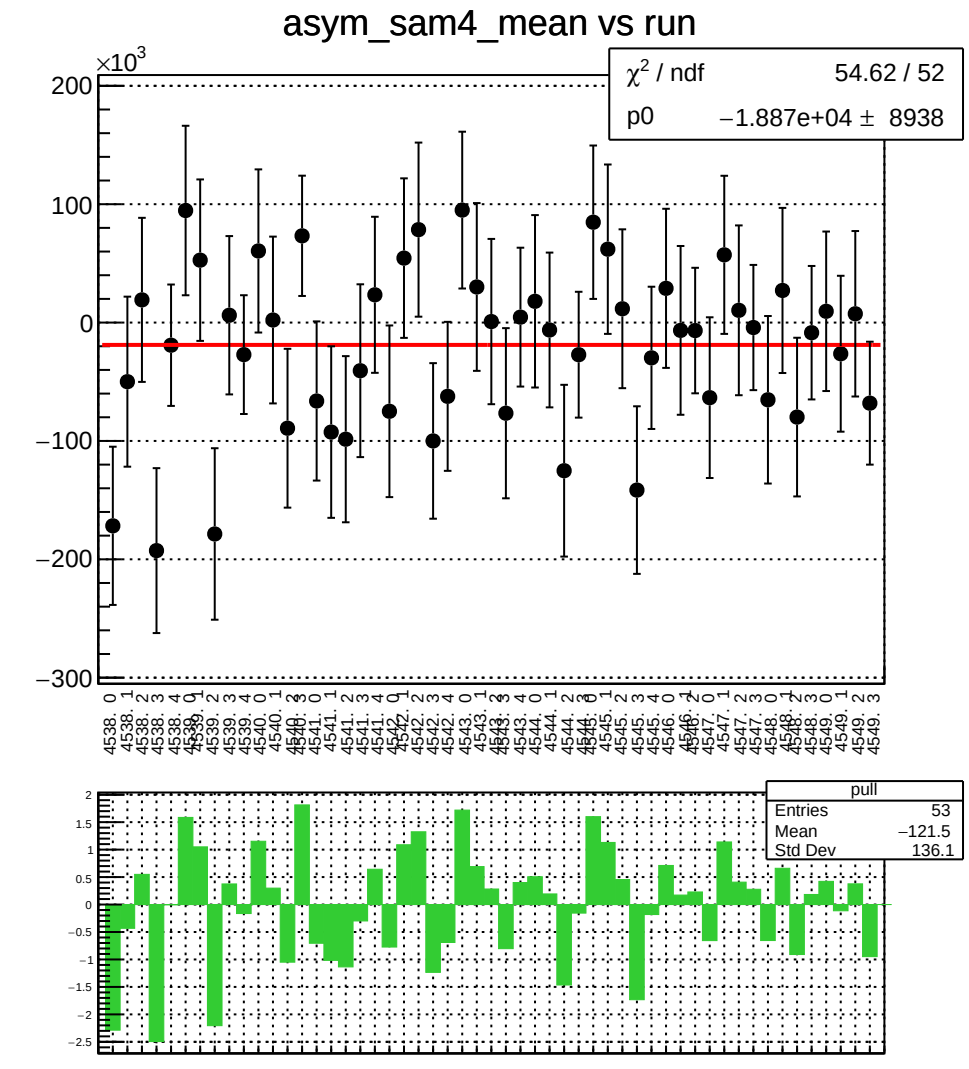

pull1D
Entries 53
Mean −0.02277
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

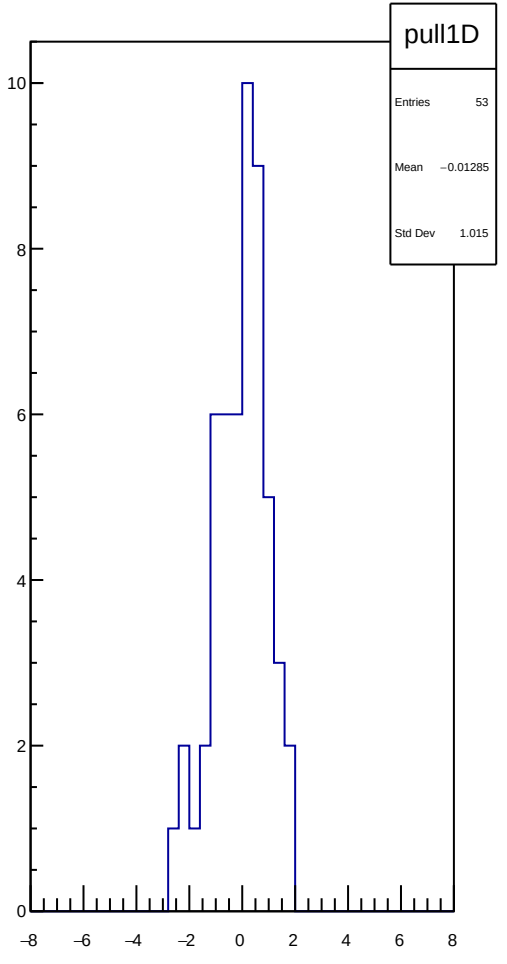

asym_sam2_rms vs run
χ² / ndf 1405 / 52
p0 7953 ± 7.663
8800
8600
8400
8200
8000
7800
7600
7400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

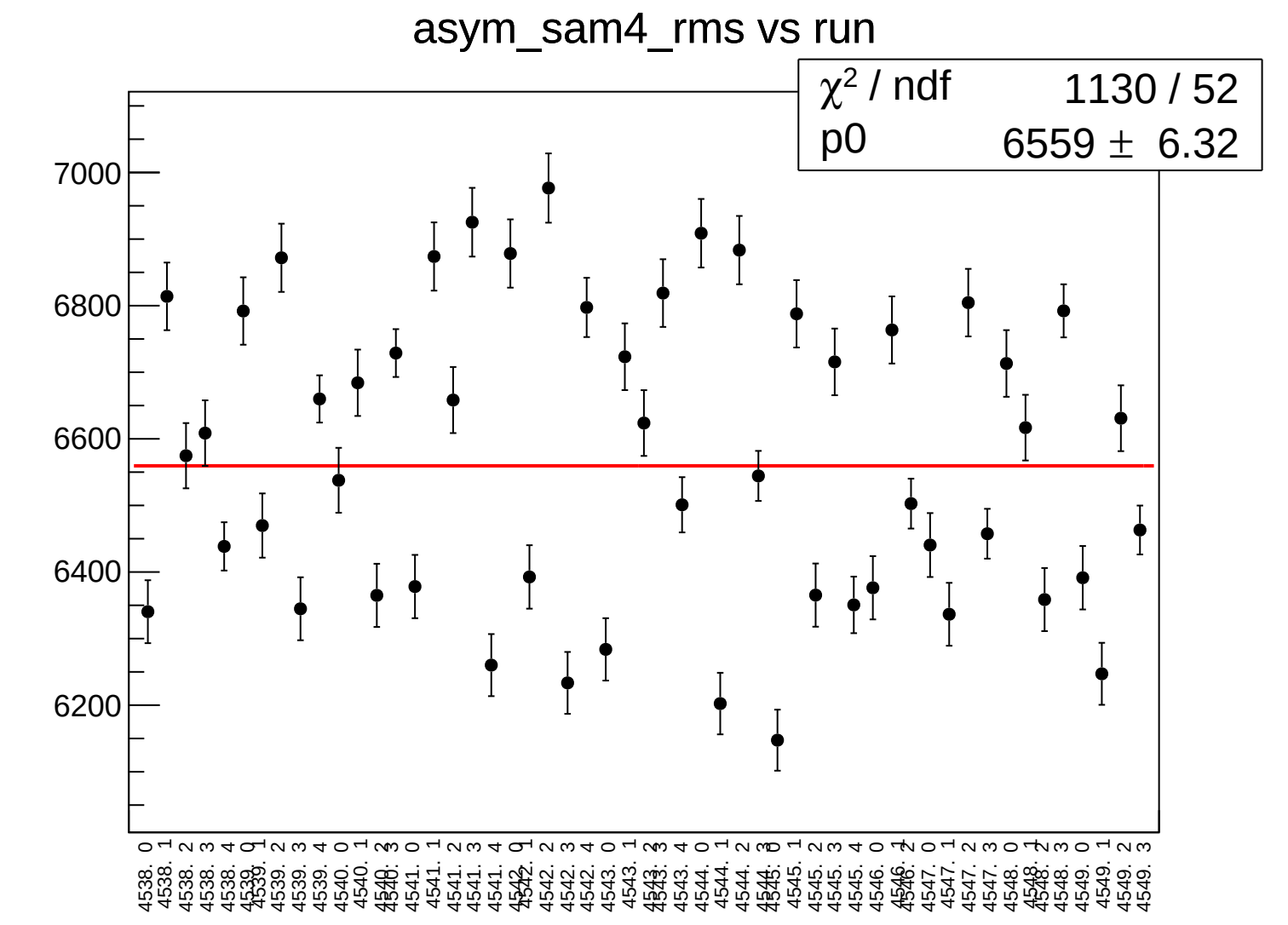

asym_sam3_mean vs run
×10^3
χ² / ndf 54.54 / 52
p0 −4.05e+04 ± 1.926e+04
pull
Entries 53
Mean −165
Std Dev 182.4

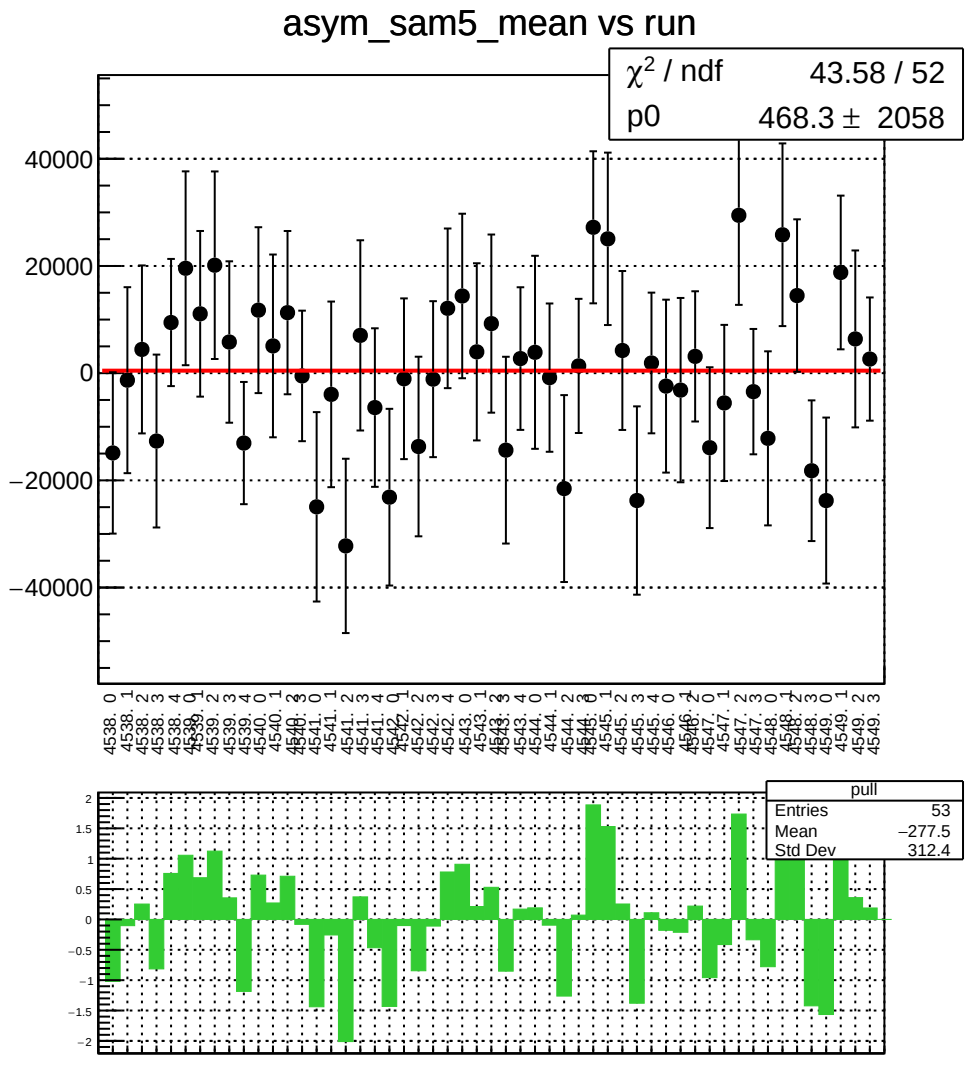

pull1D
Entries 53
Mean −0.01417
Std Dev 1.014

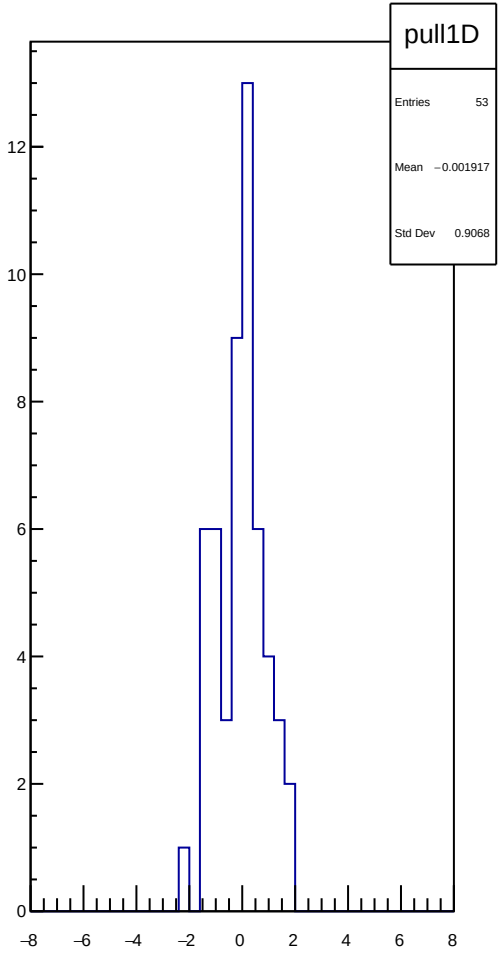

asym_sam3_rms vs run
χ² / ndf 1316 / 52
p0 1.414e+04 ± 13.62
15500
15000
14500
14000
13500
13000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 4
4544. 0
4544. 1
4544. 2
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

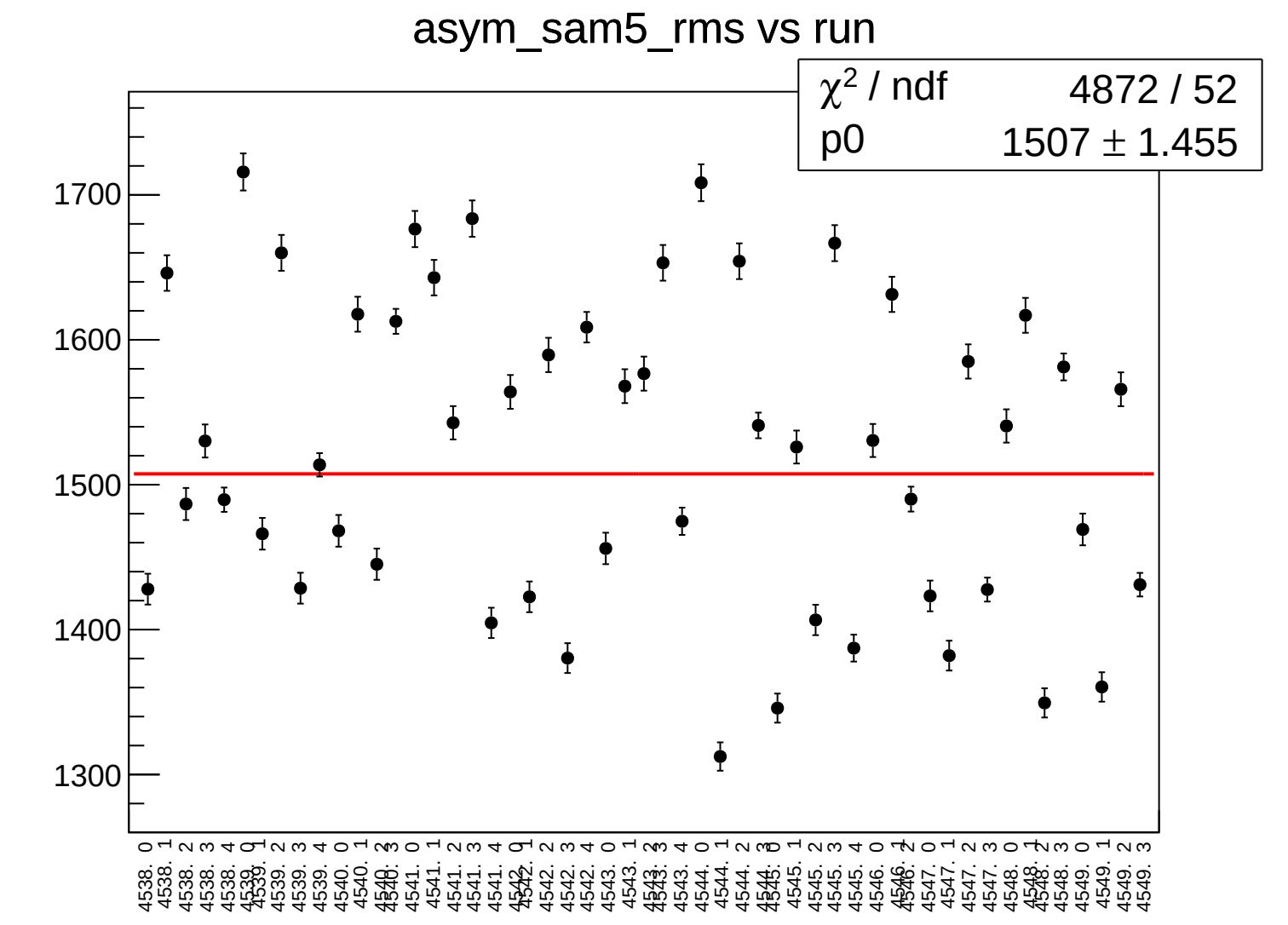

asym_sam4_mean vs run
×10^3
χ² / ndf 54.62 / 52
p0 −1.887e+04 ± 8938
pull
Entries 53
Mean −121.5
Std Dev 136.1

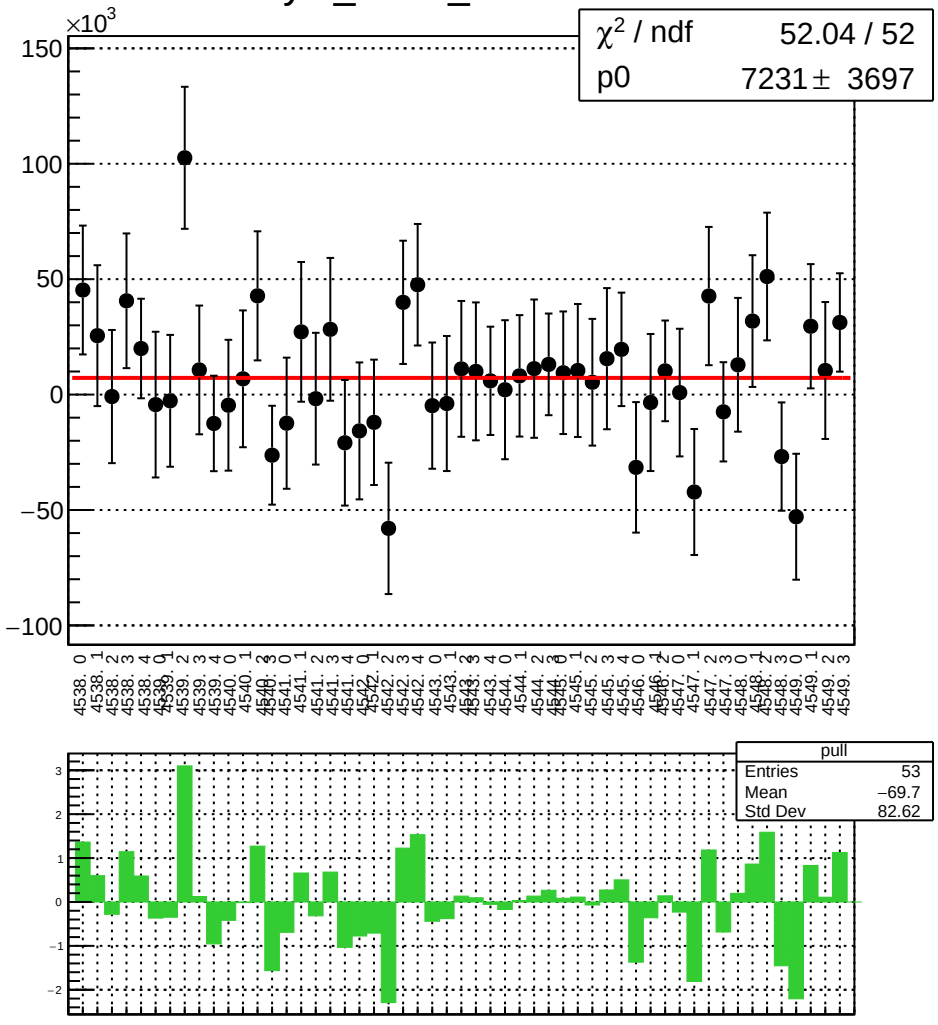

pull1D
Entries 53
Mean −0.01285
Std Dev 1.015

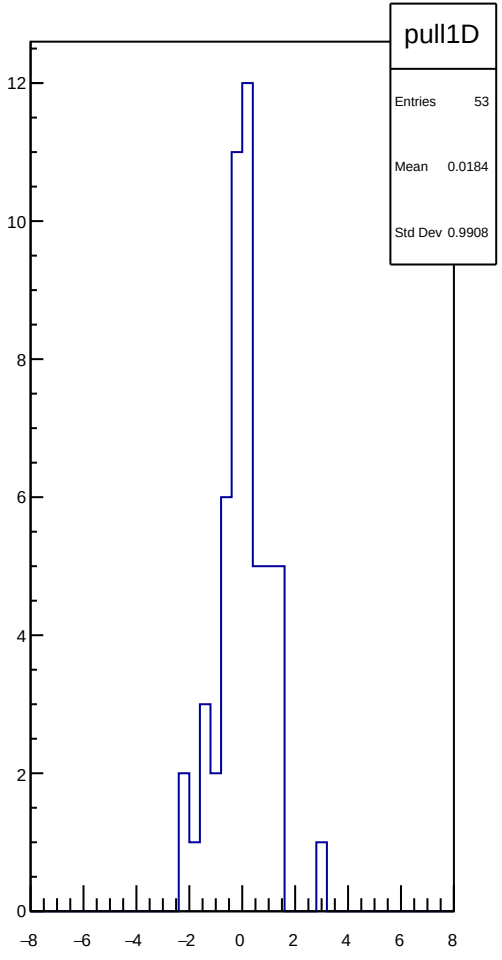

asym_sam4_rms vs run
χ² / ndf 1130 / 52
p0 6559 ± 6.32
7000
6800
6600
6400
6200
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

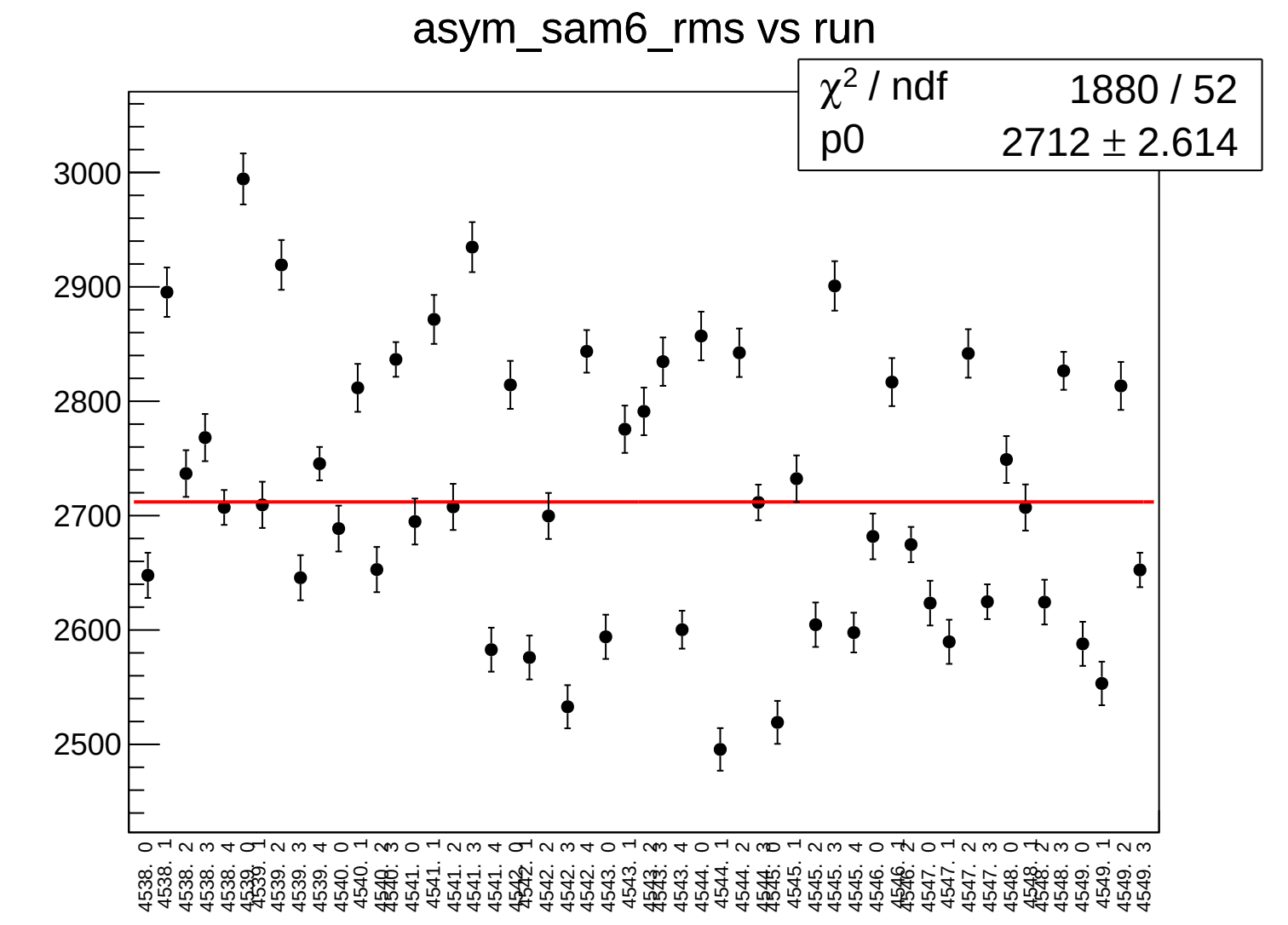

asym_sam5_mean vs run
χ² / ndf 43.58 / 52
p0 468.3 ± 2058
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −277.5
Std Dev 312.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

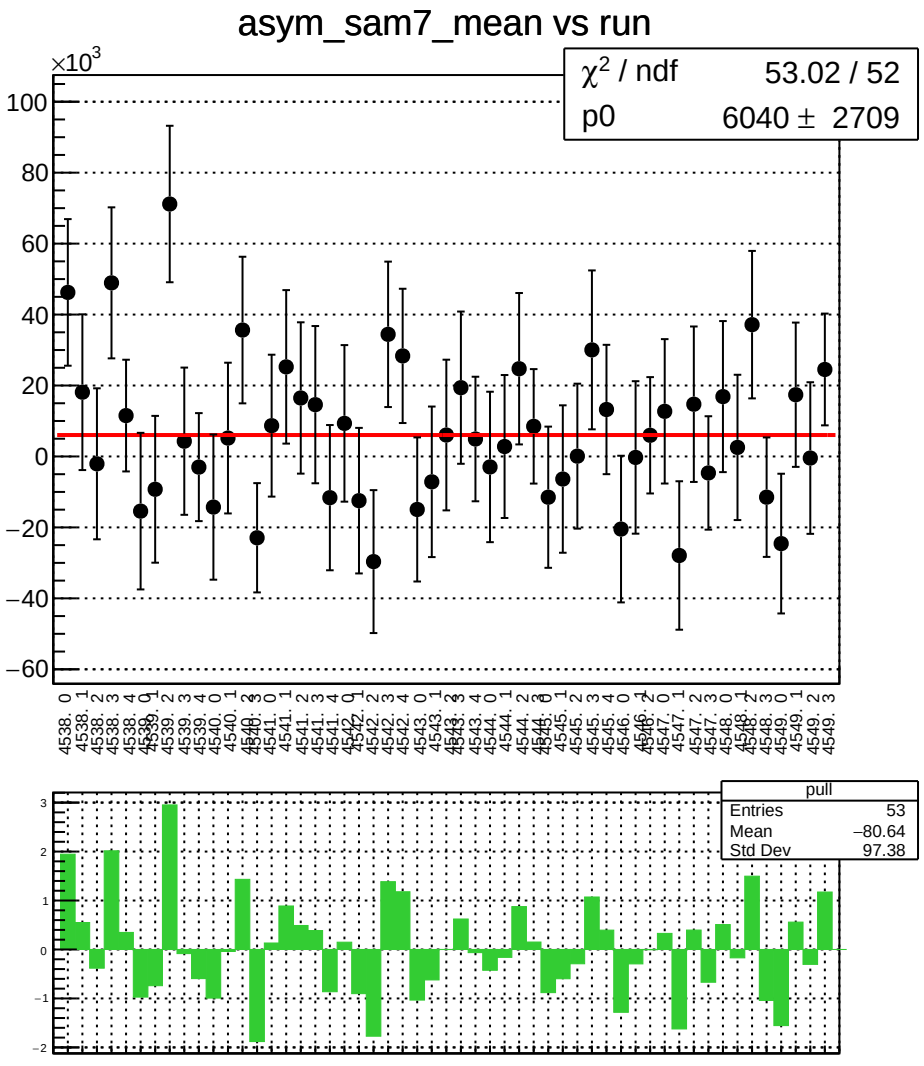

pull1D
Entries 53
Mean −0.001917
Std Dev 0.9068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

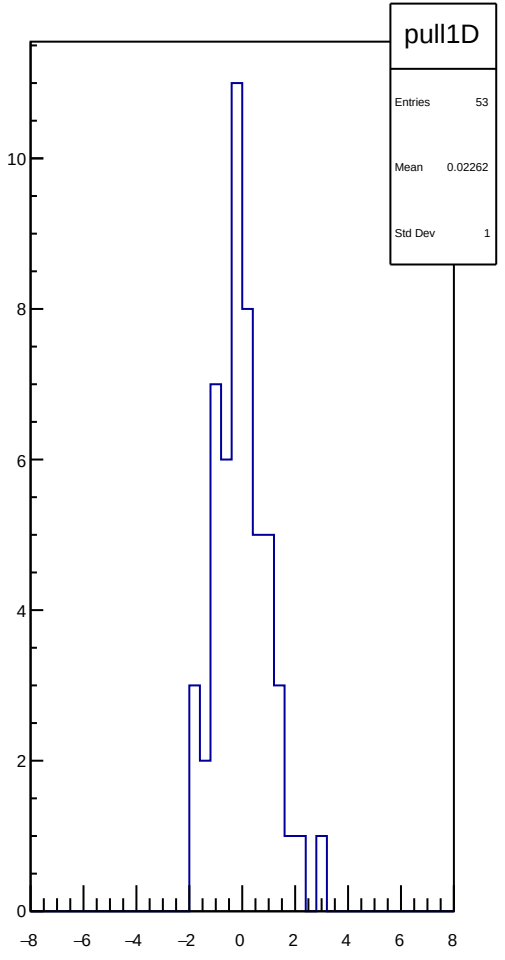

asym_sam5_rms vs run
χ² / ndf 4872 / 52
p0 1507 ± 1.455
1700
1600
1500
1400
1300
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

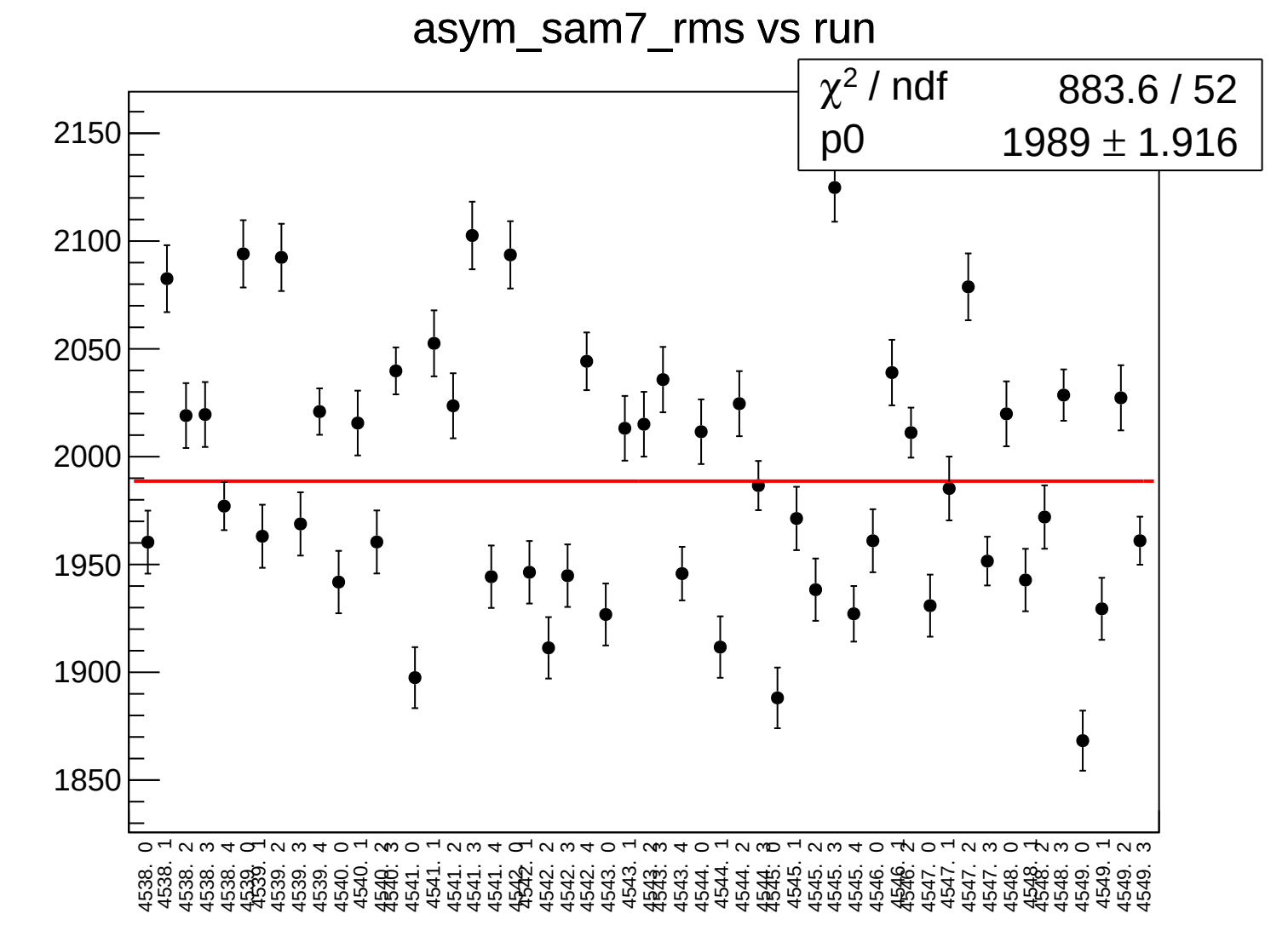

asym_sam6_mean vs run
×10^3
χ² / ndf 52.04 / 52
p0 7231 ± 3697
150
100
50
0
−50
−100
pull
Entries 53
Mean −69.7
Std Dev 82.62
3
2
1
0
−1
−2

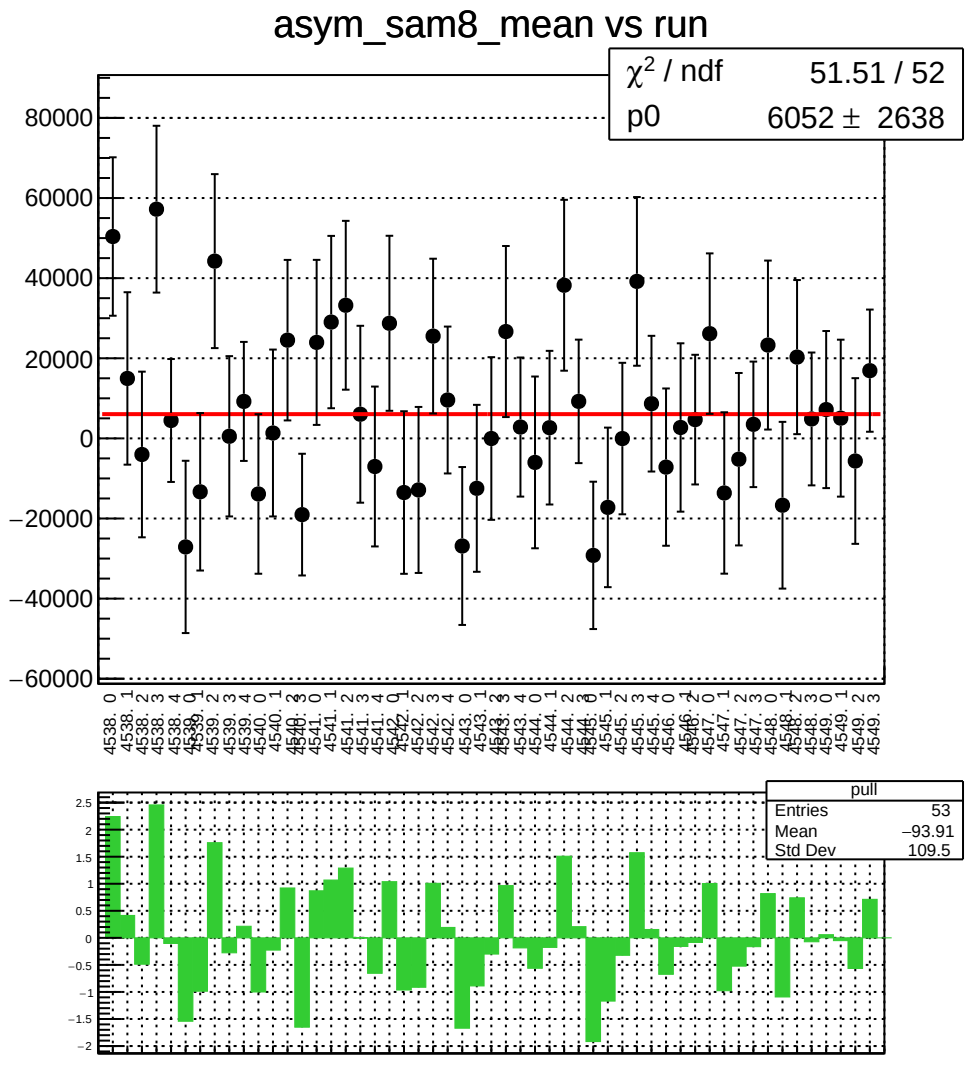

pull1D
Entries 53
Mean 0.0184
Std Dev 0.9908
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

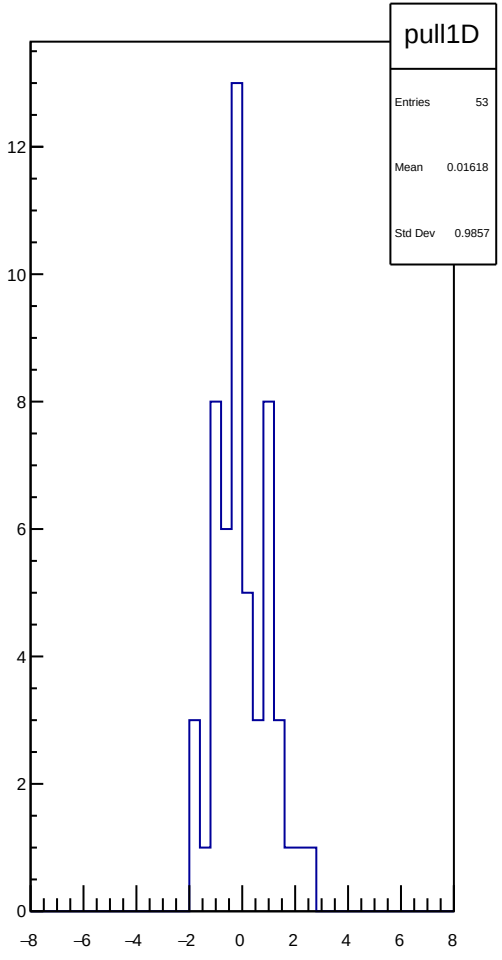

asym_sam6_rms vs run
χ² / ndf 1880 / 52
p0 2712 ± 2.614
3000
2900
2800
2700
2600
2500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

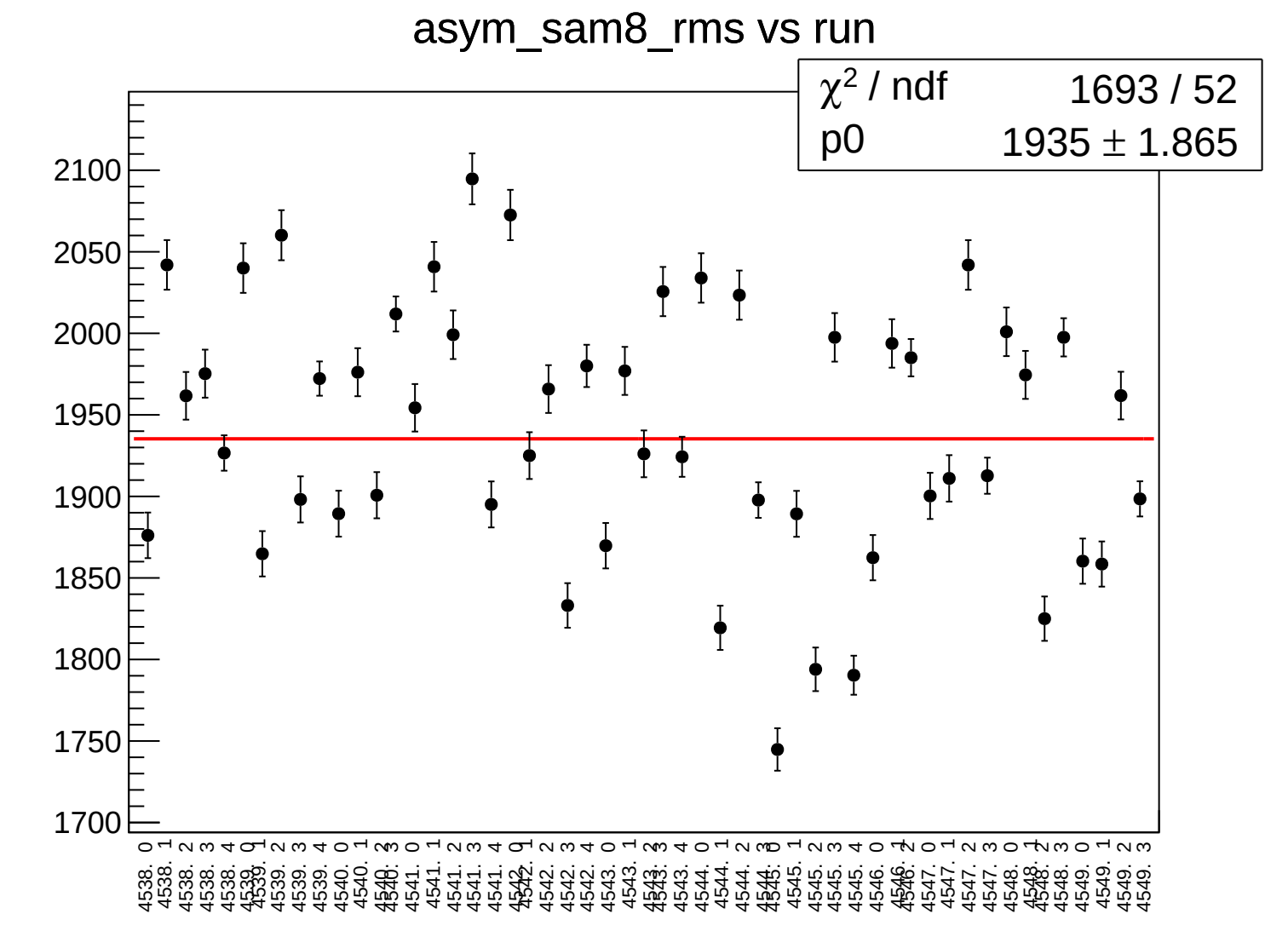

asym_sam7_mean vs run
×10^3
χ² / ndf 53.02 / 52
p0 6040 ± 2709
pull
Entries 53
Mean −80.64
Std Dev 97.38

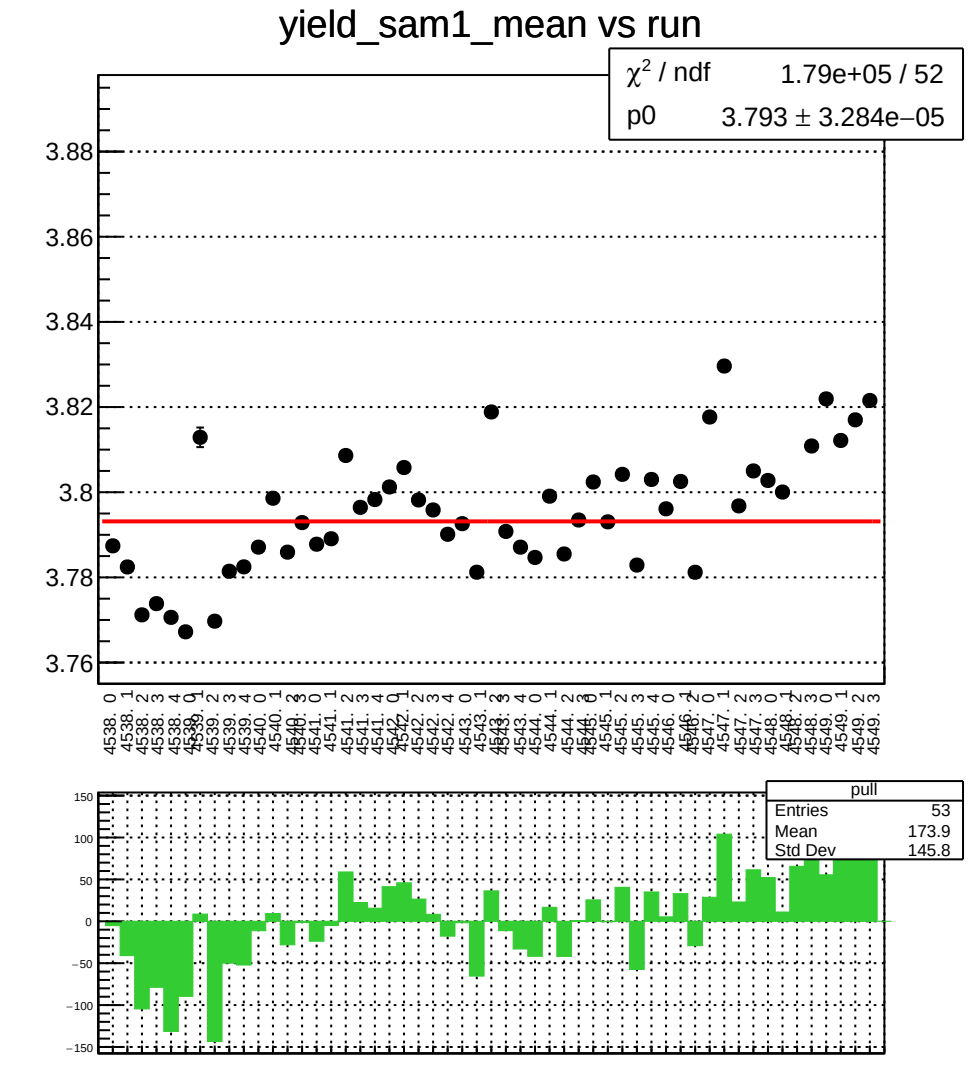

pull1D
Entries 53
Mean 0.02262
Std Dev 1

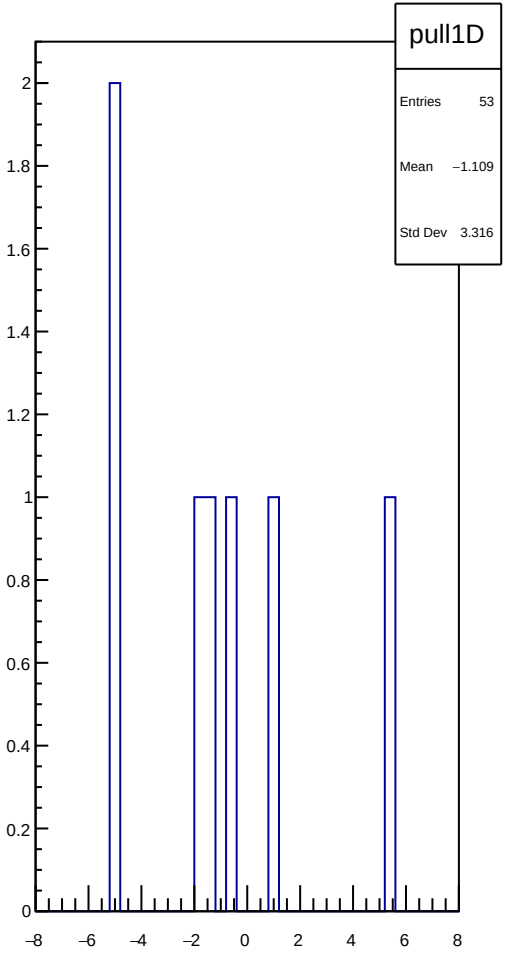

asym_sam7_rms vs run
χ^2 / ndf 883.6 / 52
p0 1989 ± 1.916
2150
2100
2050
2000
1950
1900
1850
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

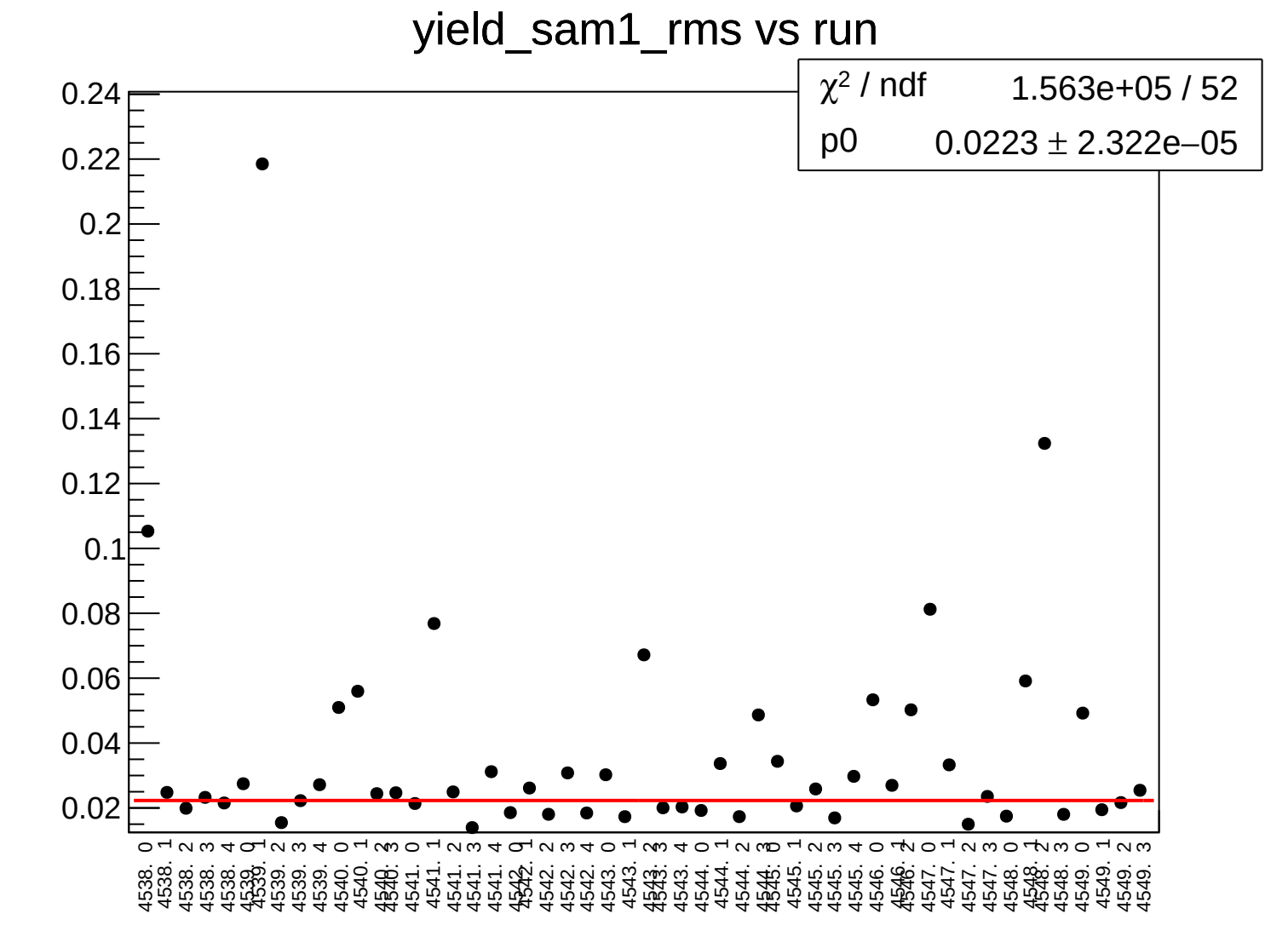

asym_sam8_mean vs run
χ² / ndf 51.51 / 52
p0 6052 ± 2638
pull
Entries 53
Mean −93.91
Std Dev 109.5

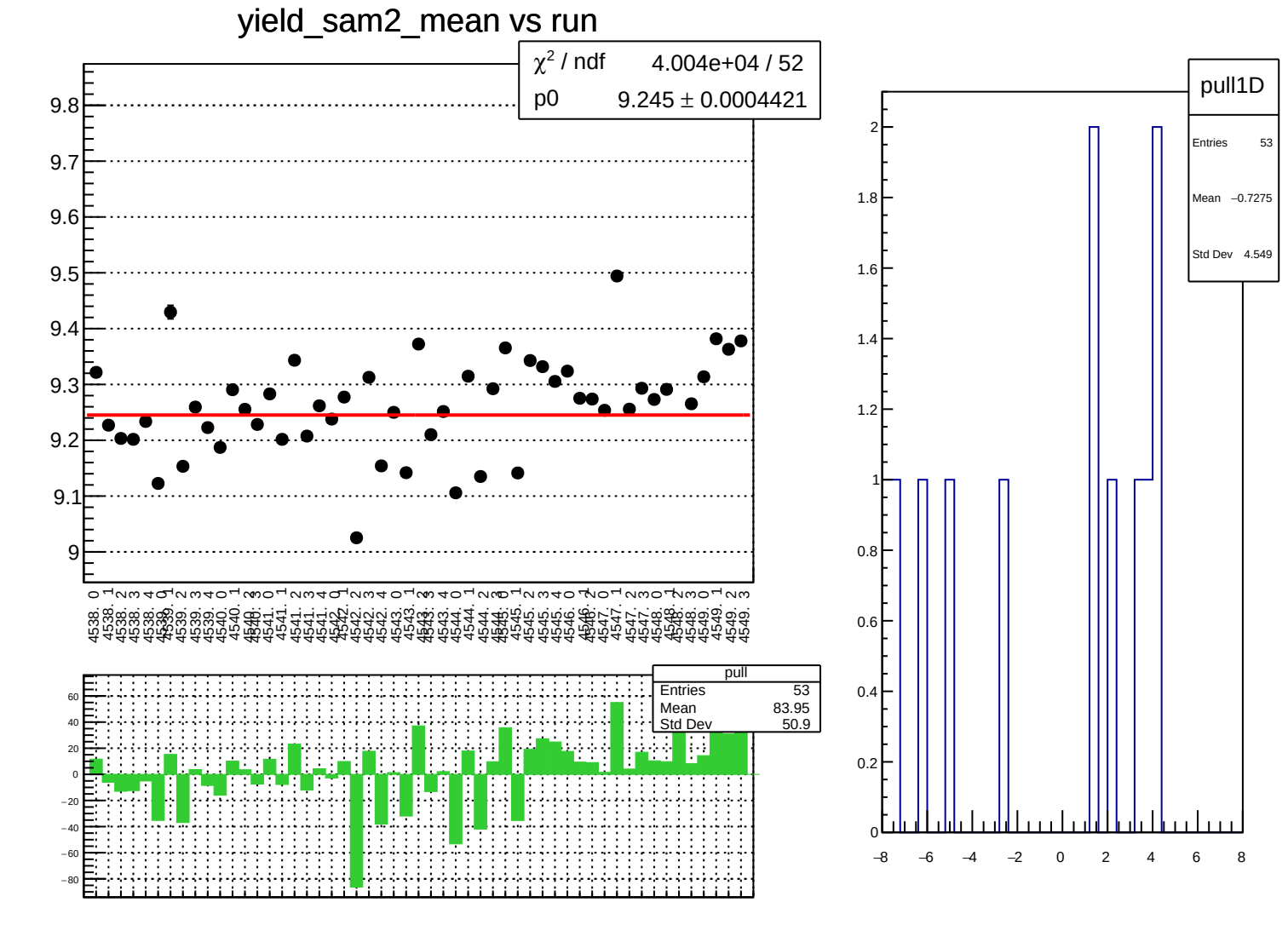

pull1D
Entries 53
Mean 0.01618
Std Dev 0.9857

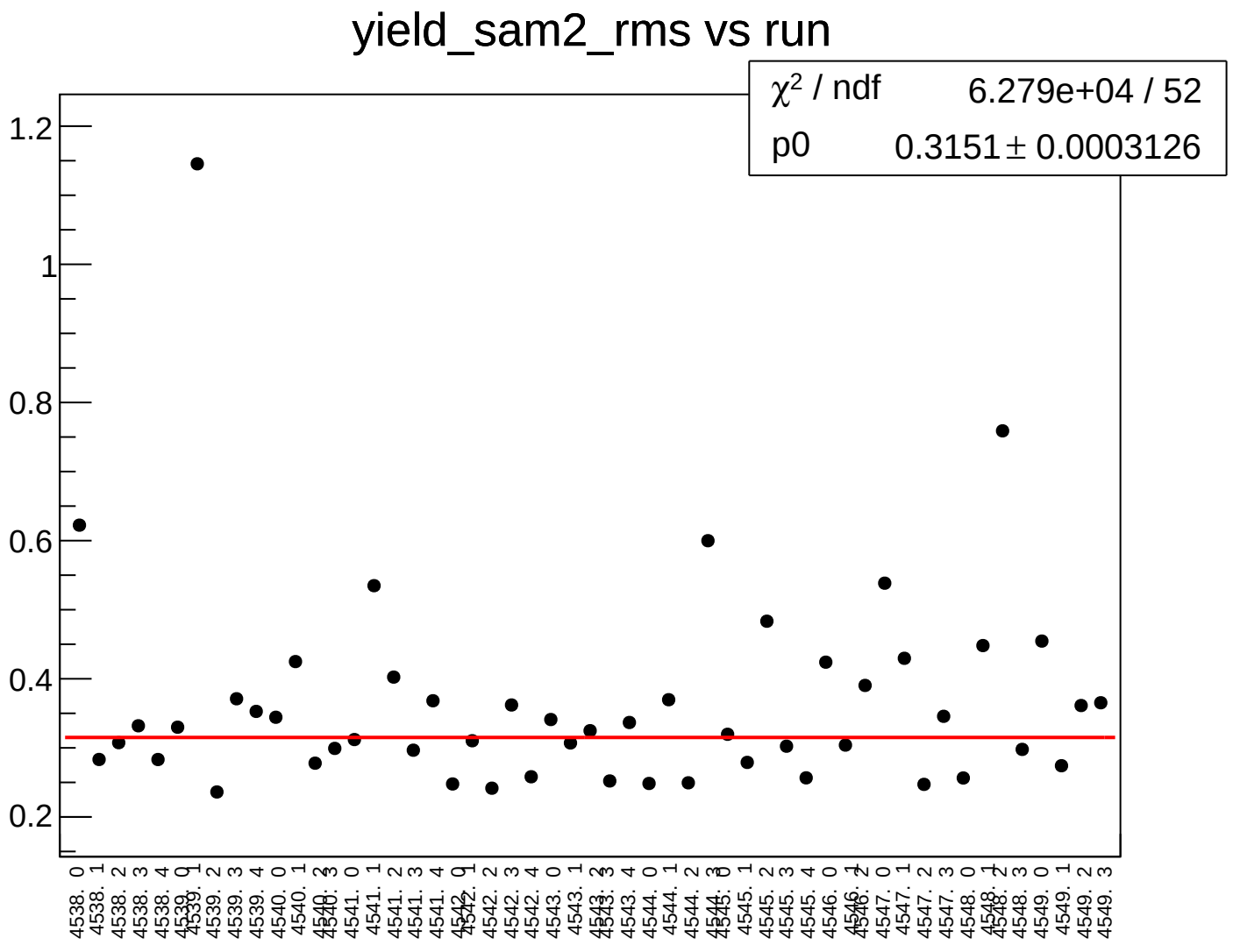

asym_sam8_rms vs run
χ² / ndf 1693 / 52
p0 1935 ± 1.865
2100
2050
2000
1950
1900
1850
1800
1750
1700
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

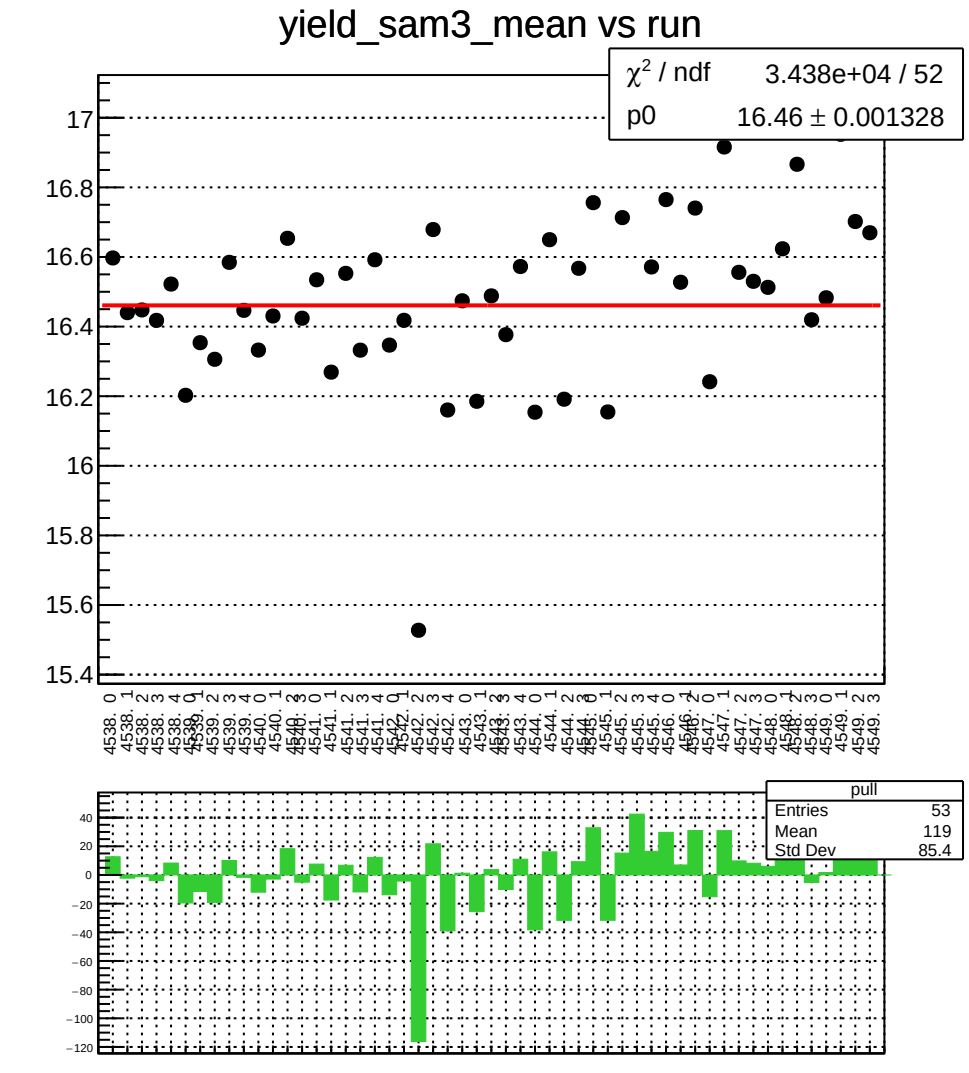

yield_sam1_mean vs run
χ² / ndf 1.79e+05 / 52
p0 3.793 ± 3.284e−05
3.88
3.86
3.84
3.82
3.8
3.78
3.76
pull
Entries 53
Mean 173.9
Std Dev 145.8
150
100
50
0
−50
−100
−150

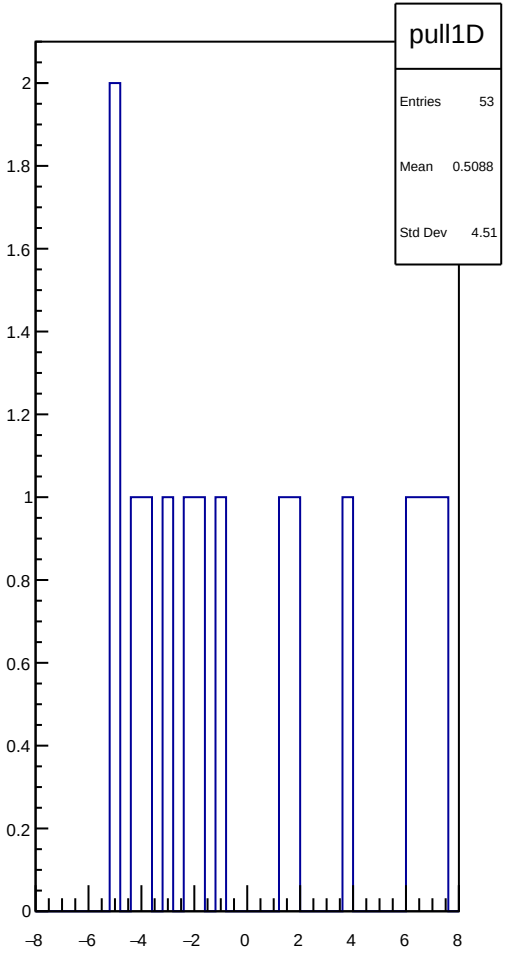

pull1D
Entries 53
Mean −1.109
Std Dev 3.316
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

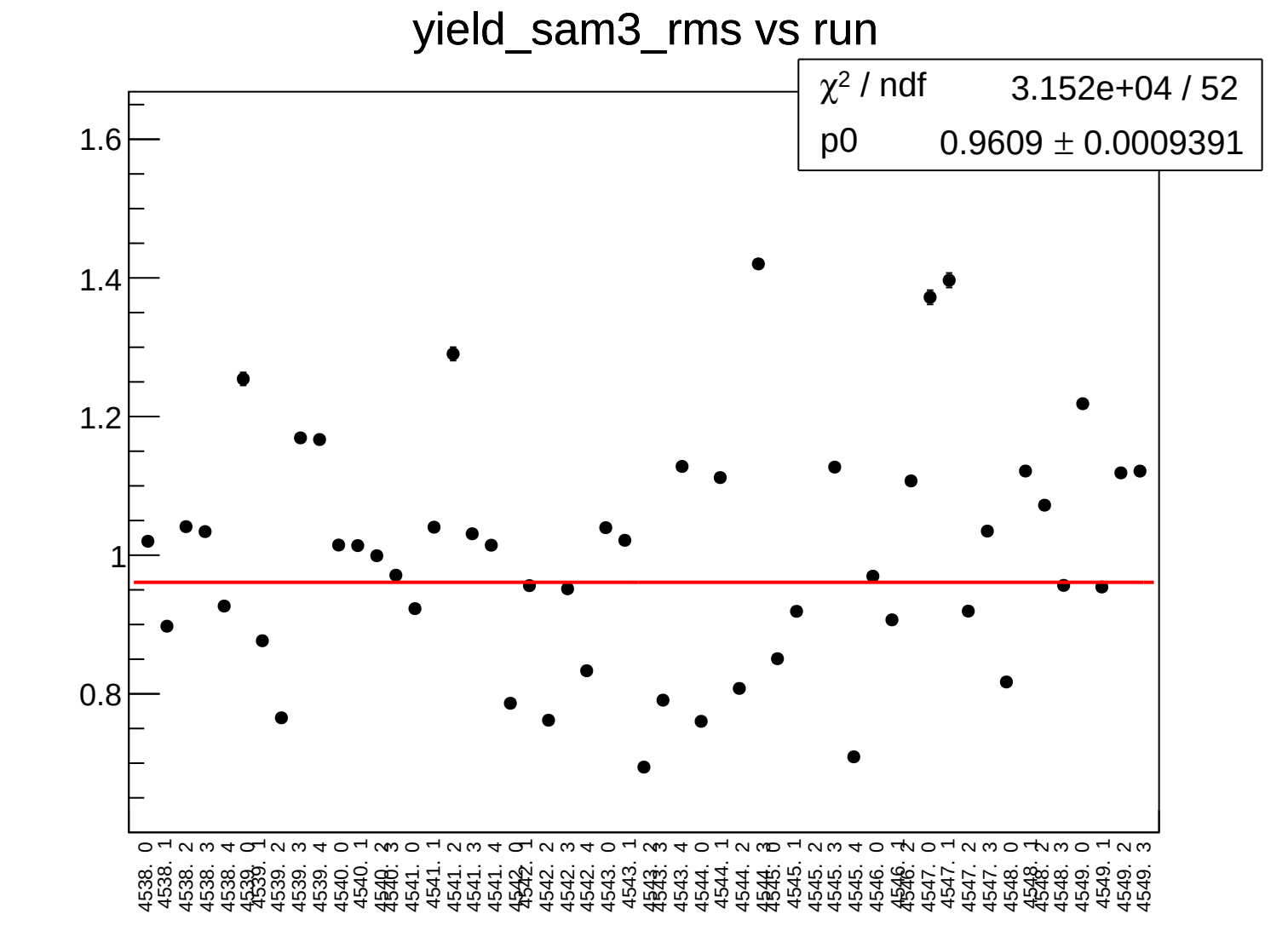

yield_sam1_rms vs run
χ² / ndf 1.563e+05 / 52
p0 0.0223 ± 2.322e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

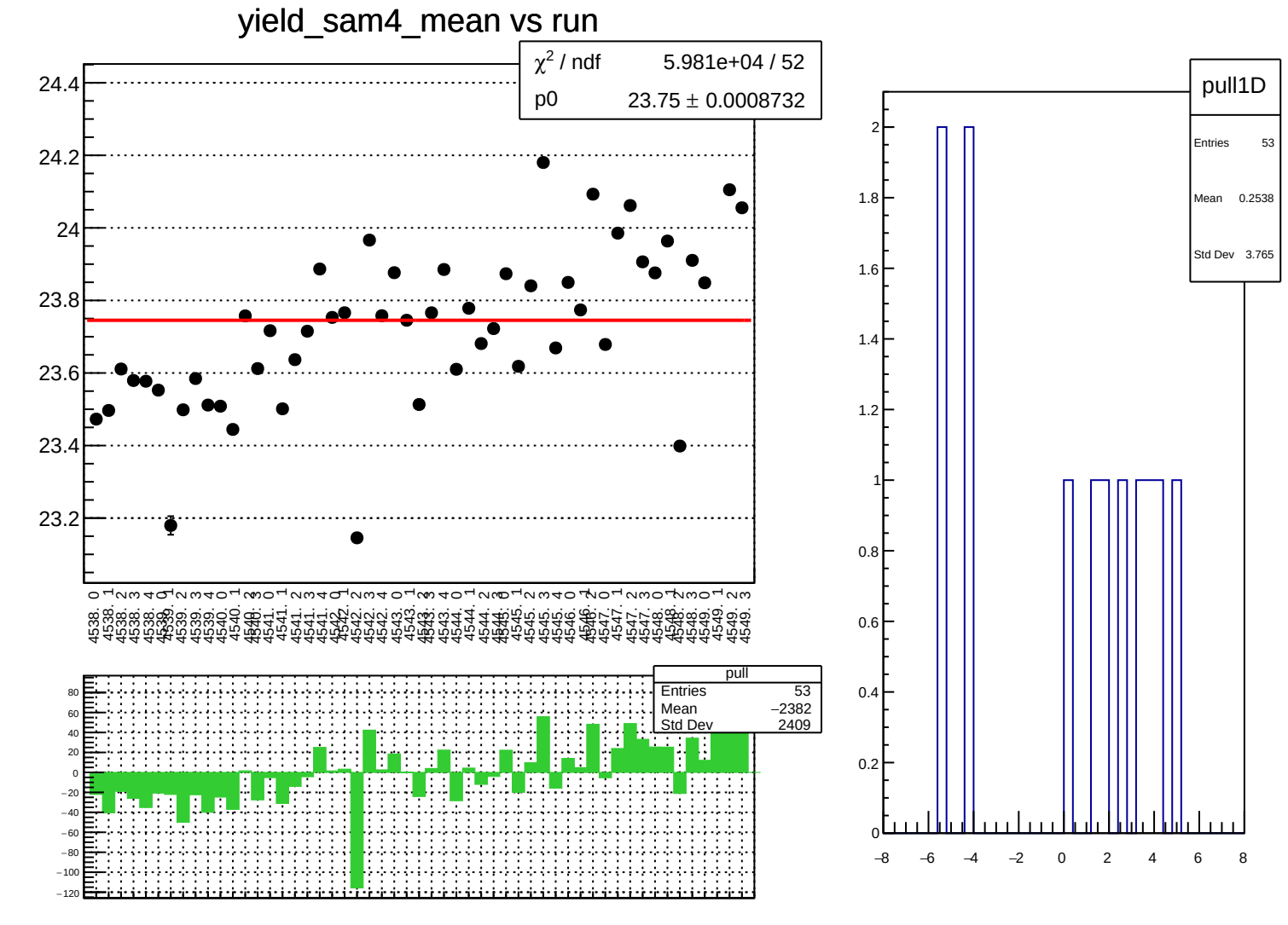

yield_sam2_mean vs run
χ² / ndf 4.004e+04 / 52
p0 9.245 ± 0.0004421
pull
Entries 53
Mean 83.95
Std Dev 50.9
pull1D
Entries 53
Mean −0.7275
Std Dev 4.549

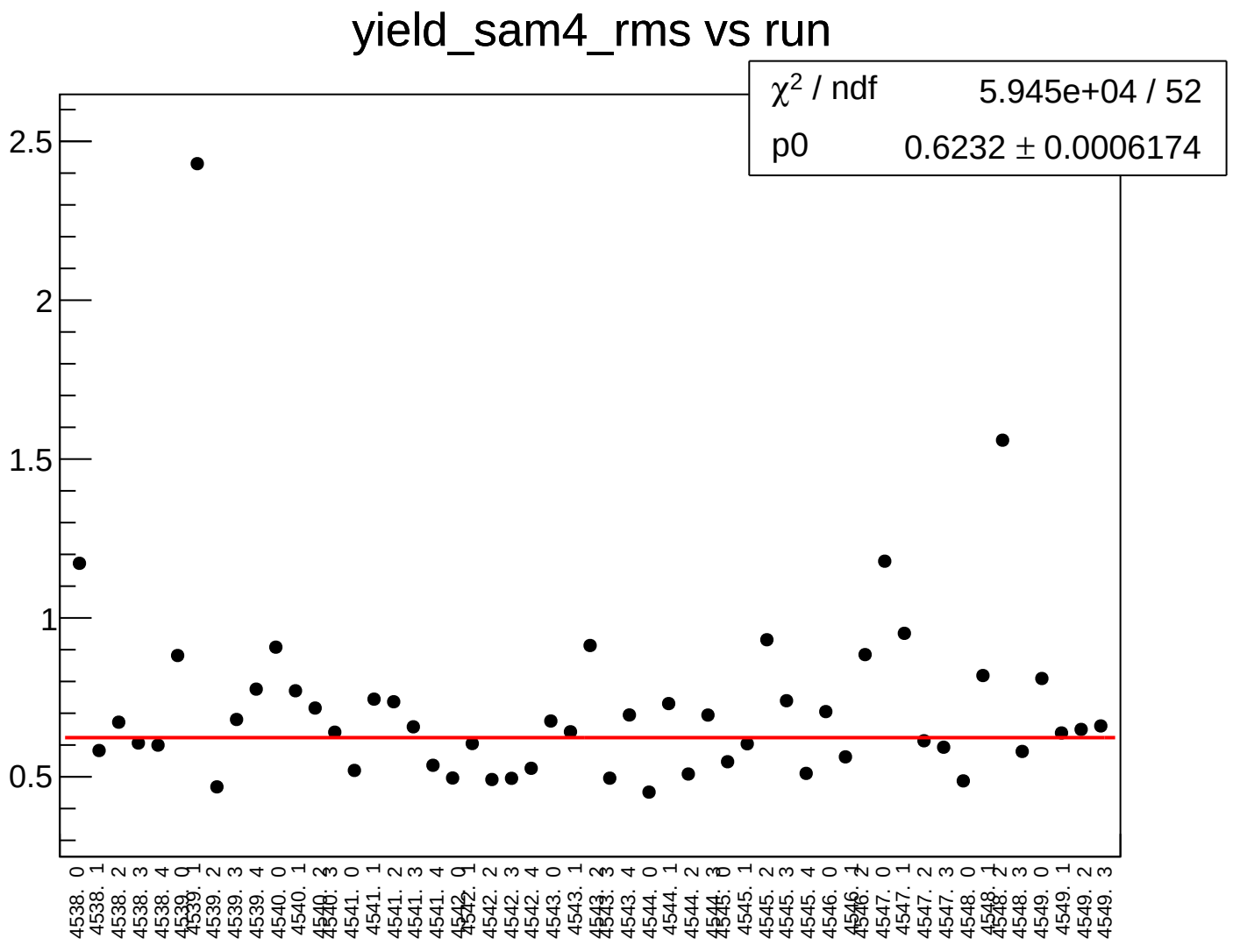

yield_sam2_rms vs run
χ² / ndf 6.279e+04 / 52
p0 0.3151 ± 0.0003126
1.2
1
0.8
0.6
0.4
0.2
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

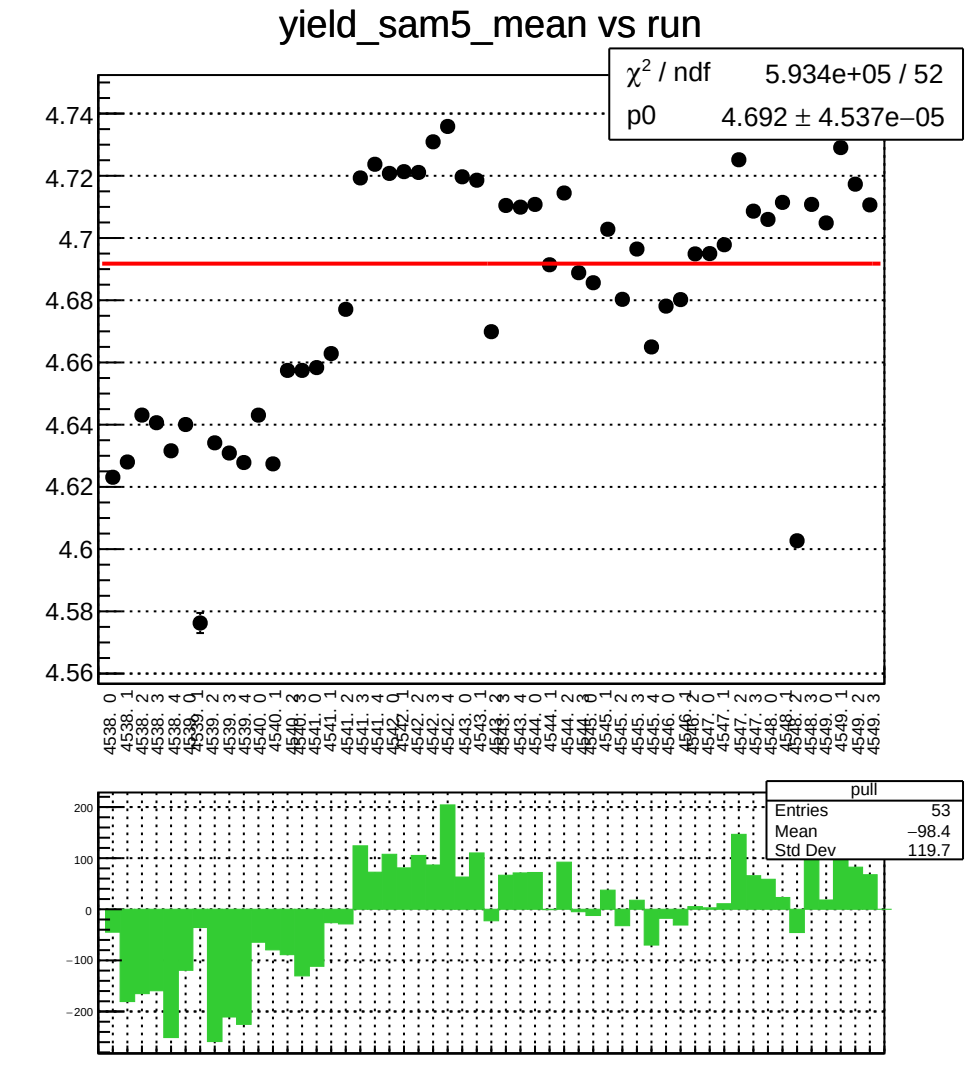

yield_sam3_mean vs run
χ² / ndf 3.438e+04 / 52
p0 16.46 ± 0.001328
pull
Entries 53
Mean 119
Std Dev 85.4

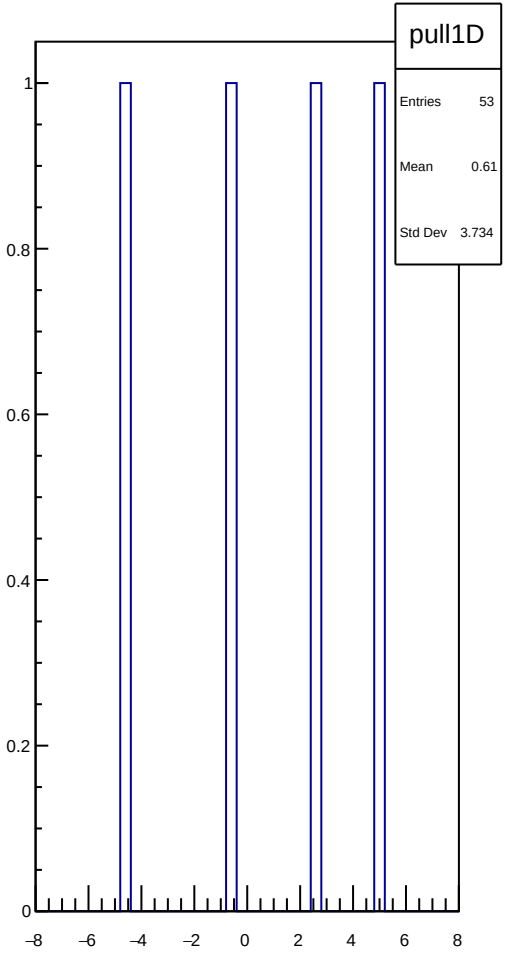

pull1D
Entries 53
Mean 0.5088
Std Dev 4.51

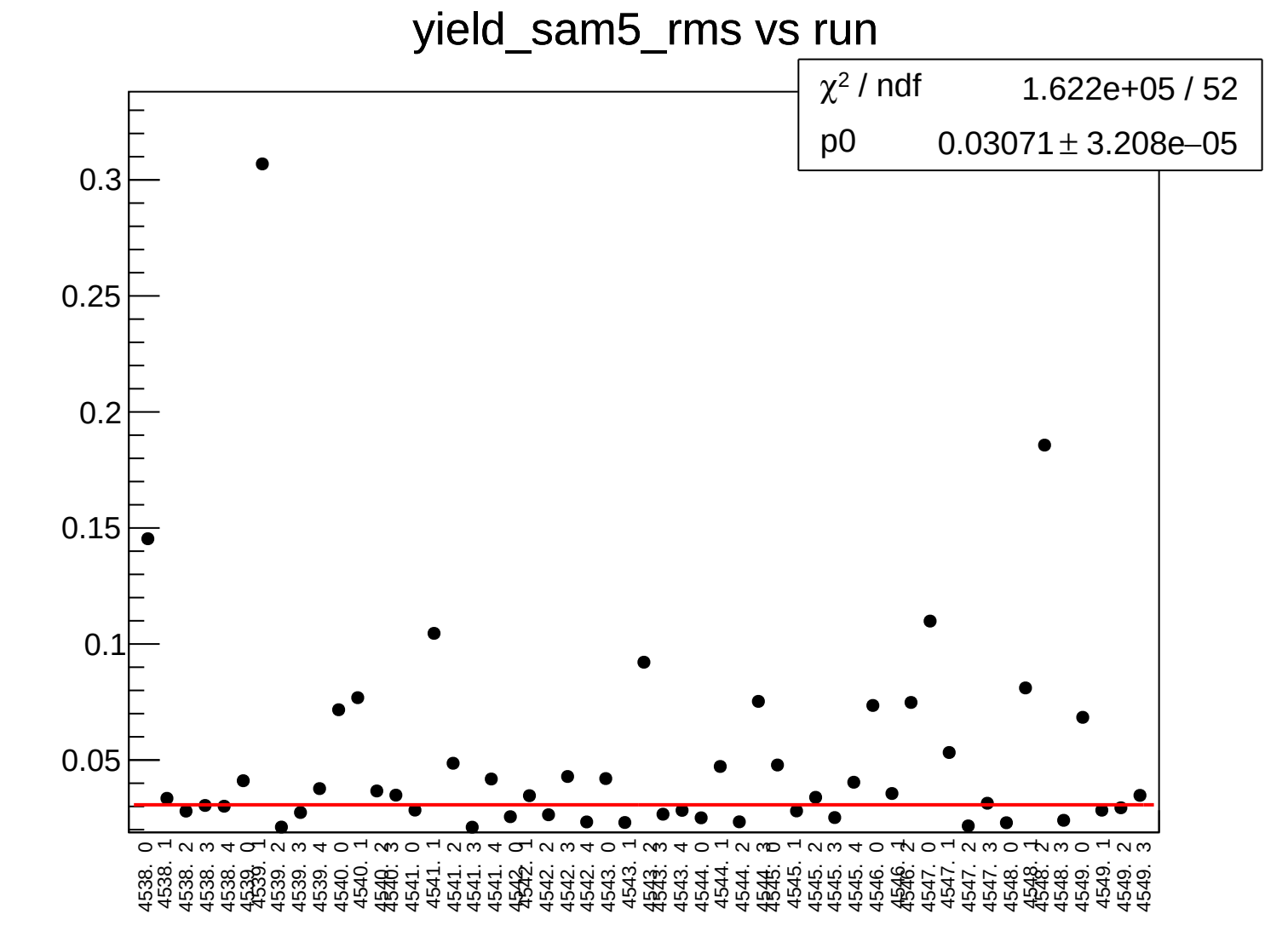

yield_sam3_rms vs run
χ² / ndf 3.152e+04 / 52
p0 0.9609 ± 0.0009391
1.6
1.4
1.2
1
0.8
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

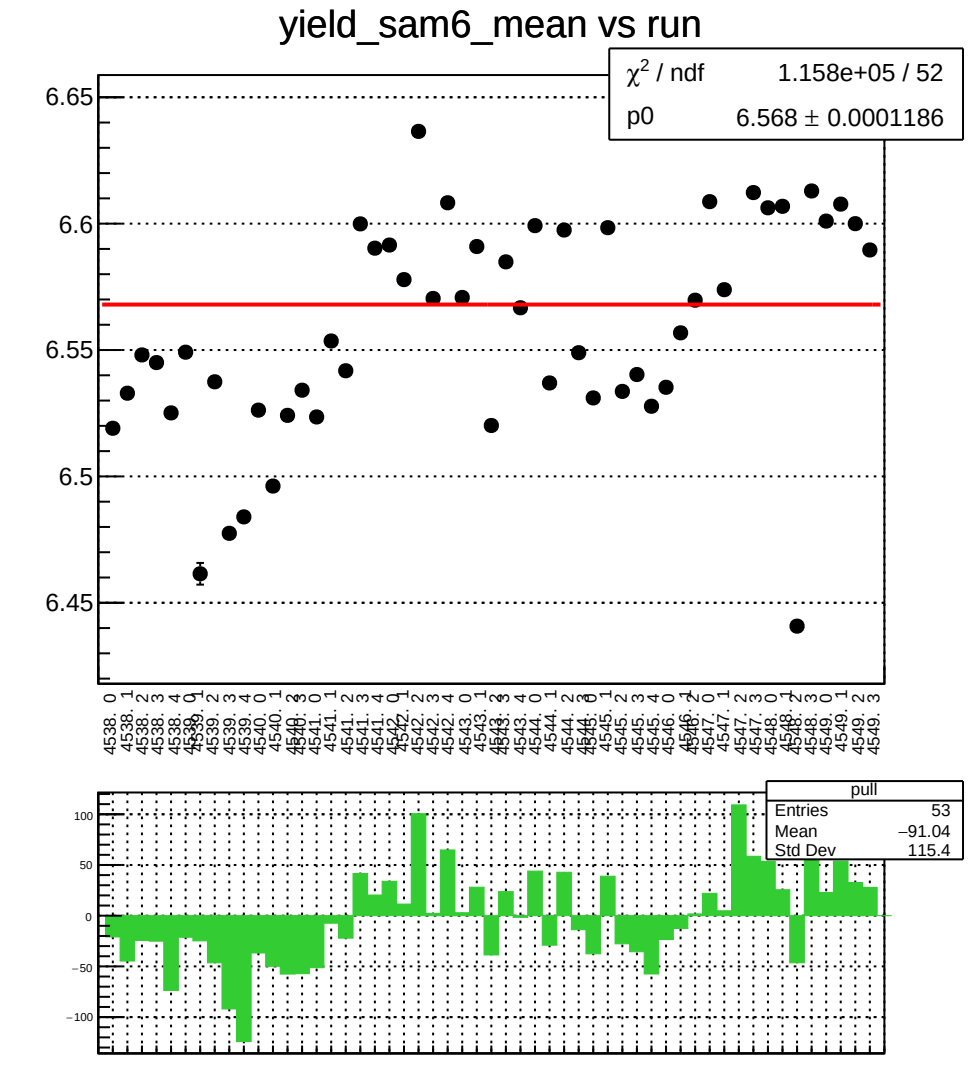

yield_sam4_mean vs run
χ² / ndf 5.981e+04 / 52
p0 23.75 ± 0.0008732
24.4
24.2
24
23.8
23.6
23.4
23.2
pull
Entries 53
Mean −2382
Std Dev 2409
80
60
40
20
0
−20
−40
−60
−80
−100
−120
pull1D
Entries 53
Mean 0.2538
Std Dev 3.765
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

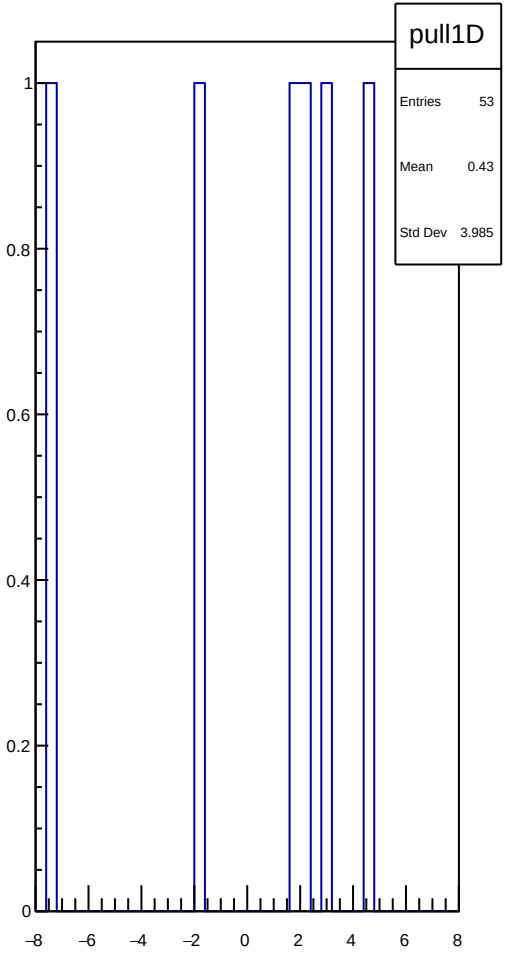

yield_sam4_rms vs run
χ² / ndf 5.945e+04 / 52
p0 0.6232 ± 0.0006174
2.5
2
1.5
1
0.5
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

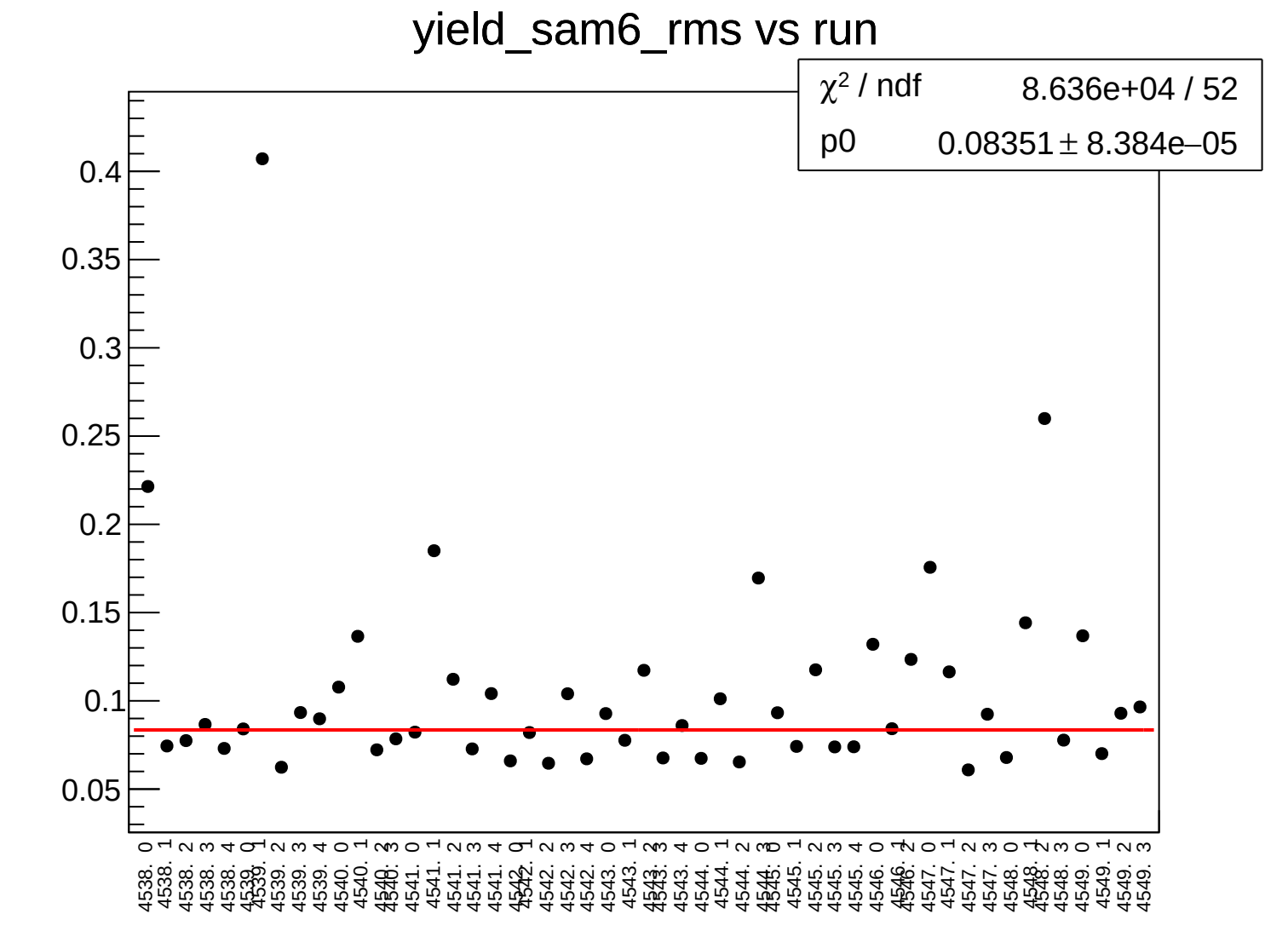

yield_sam5_mean vs run
χ² / ndf 5.934e+05 / 52
p0 4.692 ± 4.537e−05
4.74
4.72
4.7
4.68
4.66
4.64
4.62
4.6
4.58
4.56
pull
Entries 53
Mean −98.4
Std Dev 119.7
200
100
0
−100
−200

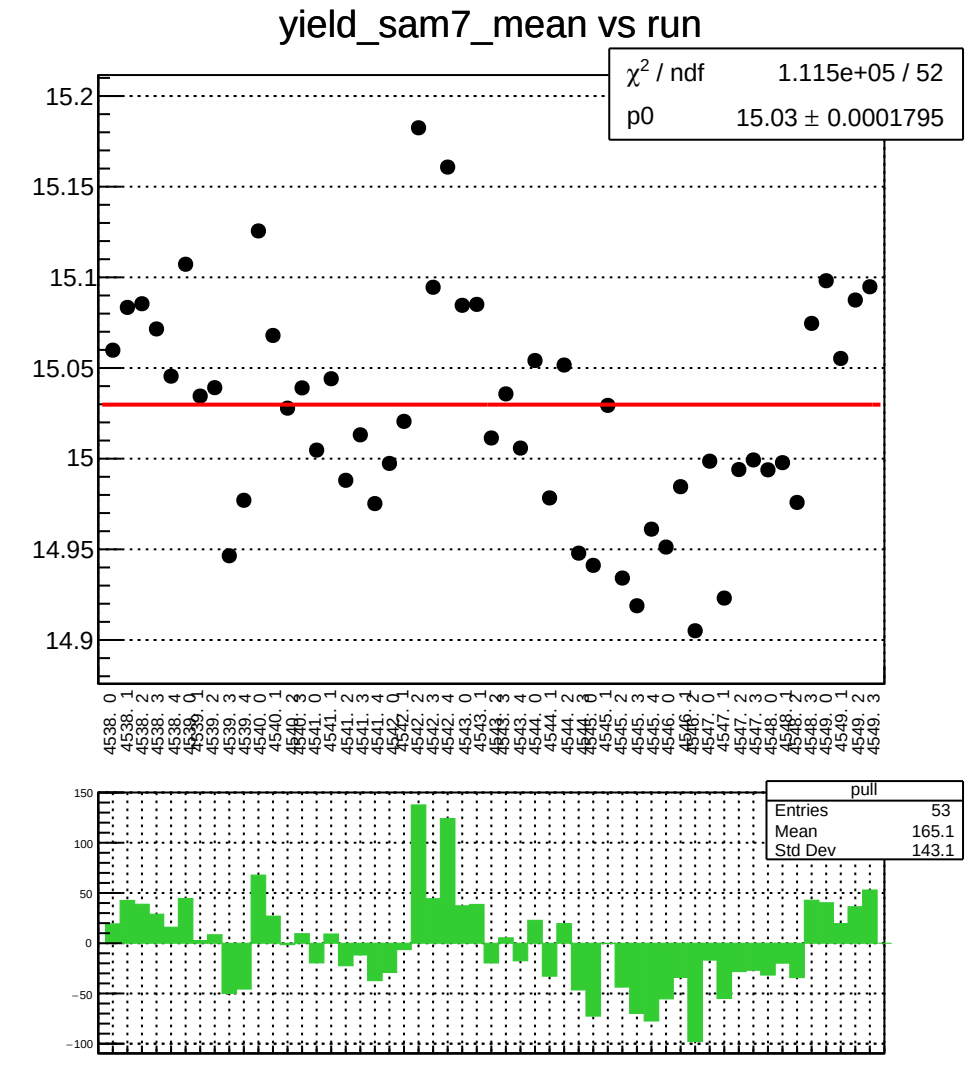

pull1D
Entries 53
Mean 0.61
Std Dev 3.734
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

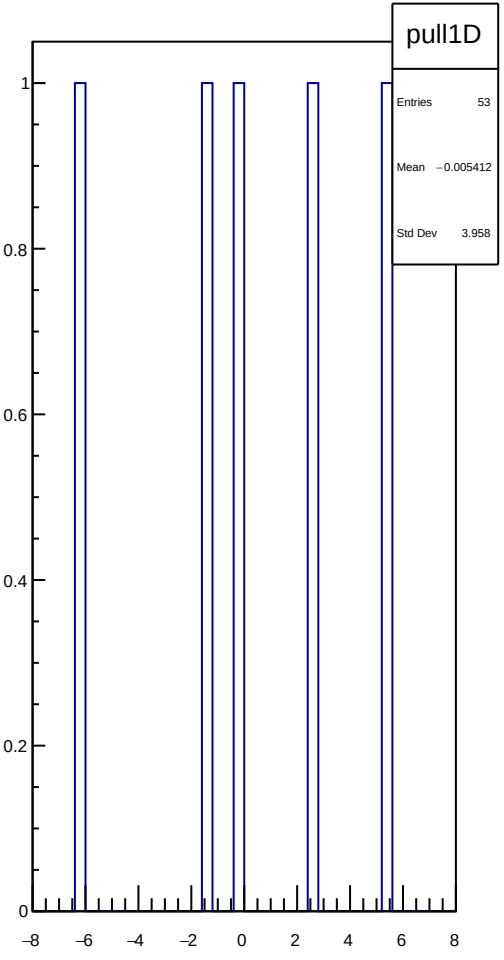

yield_sam5_rms vs run
χ² / ndf 1.622e+05 / 52
p0 0.03071 ± 3.208e–05
0.3
0.25
0.2
0.15
0.1
0.05
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

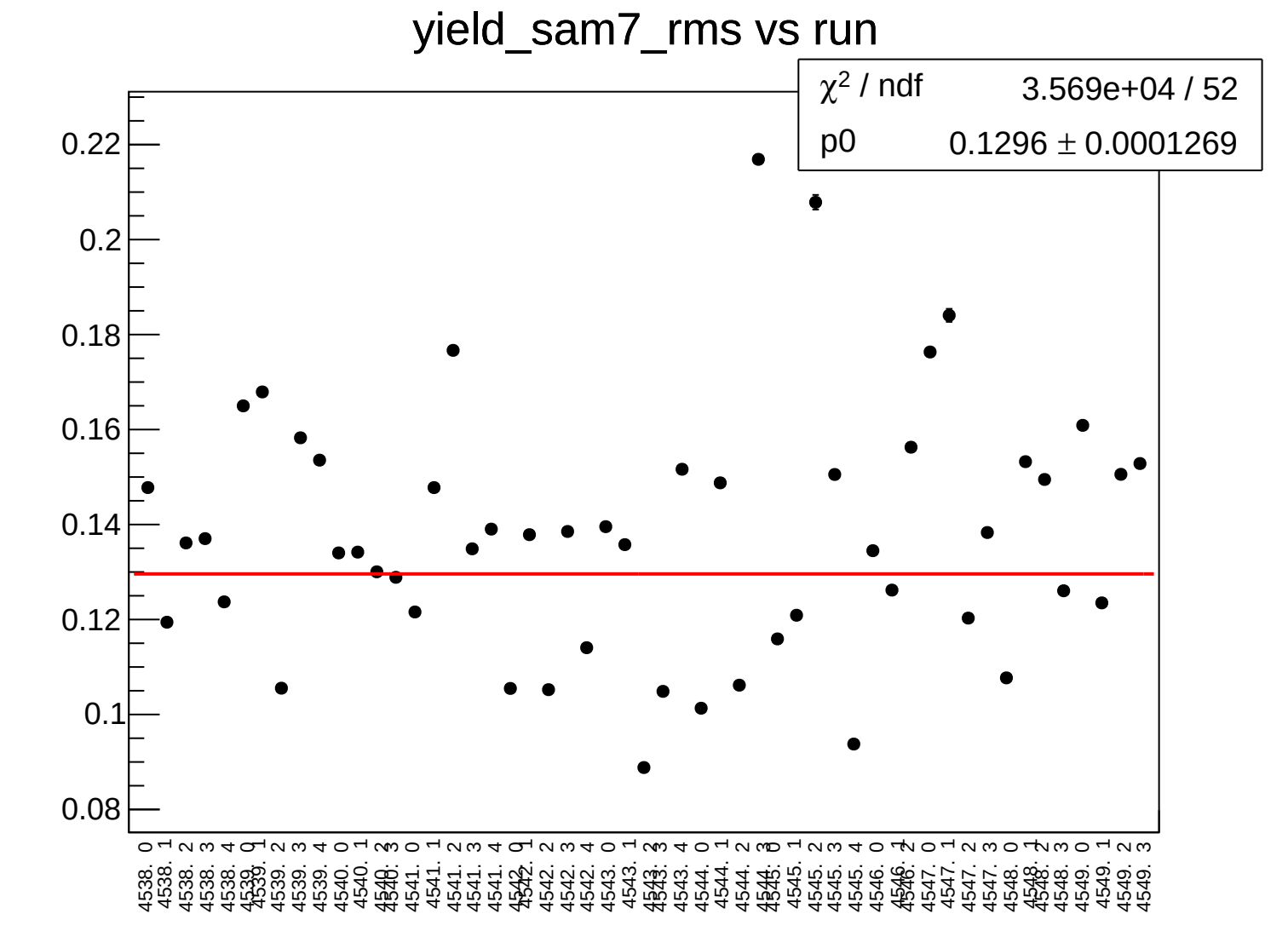

yield_sam6_mean vs run
χ² / ndf 1.158e+05 / 52
p0 6.568 ± 0.0001186
6.65
6.6
6.55
6.5
6.45
pull
Entries 53
Mean −91.04
Std Dev 115.4
100
50
0
−50
−100

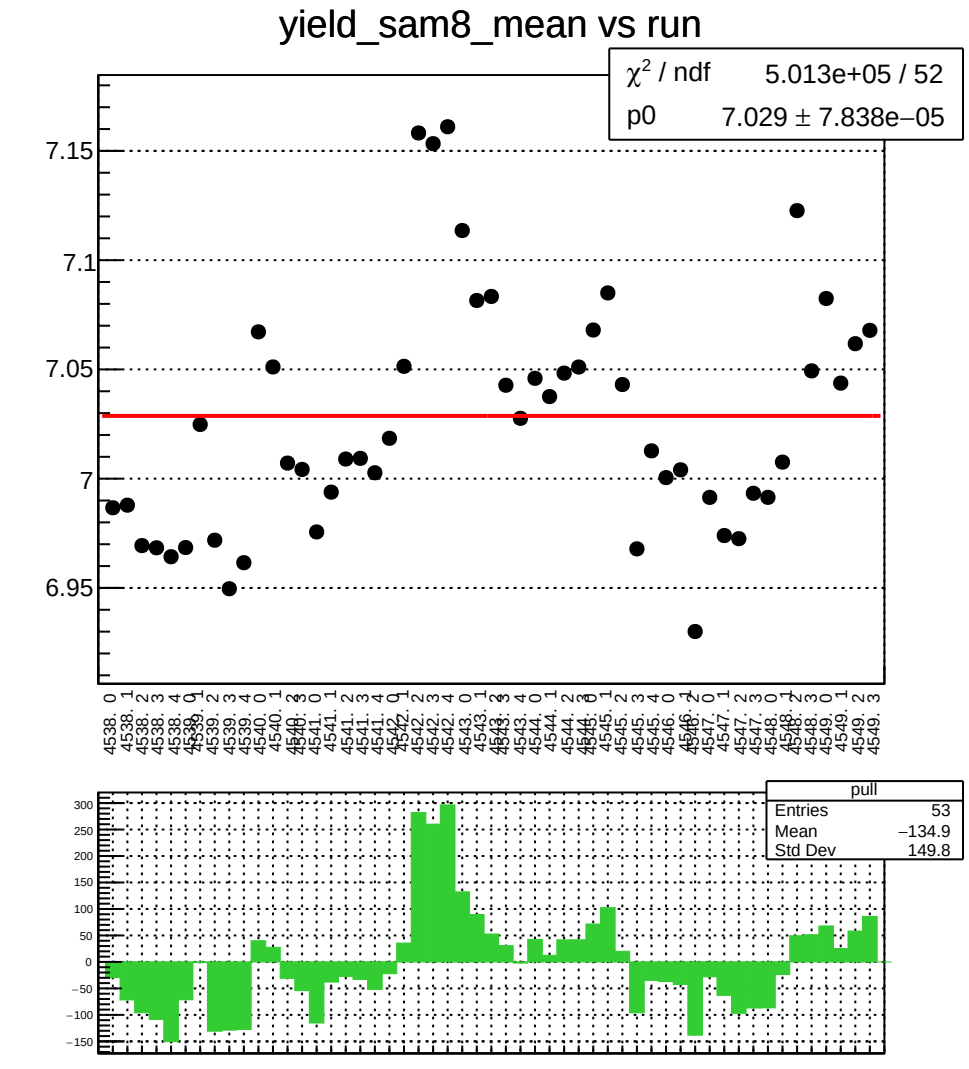

pull1D
Entries 53
Mean 0.43
Std Dev 3.985
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

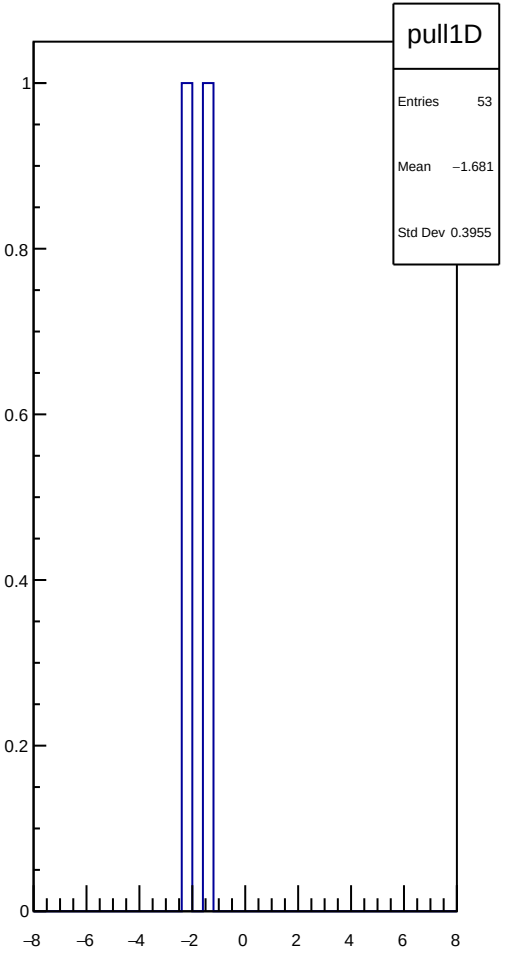

yield_sam6_rms vs run
χ² / ndf 8.636e+04 / 52
p0 0.08351 ± 8.384e–05
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

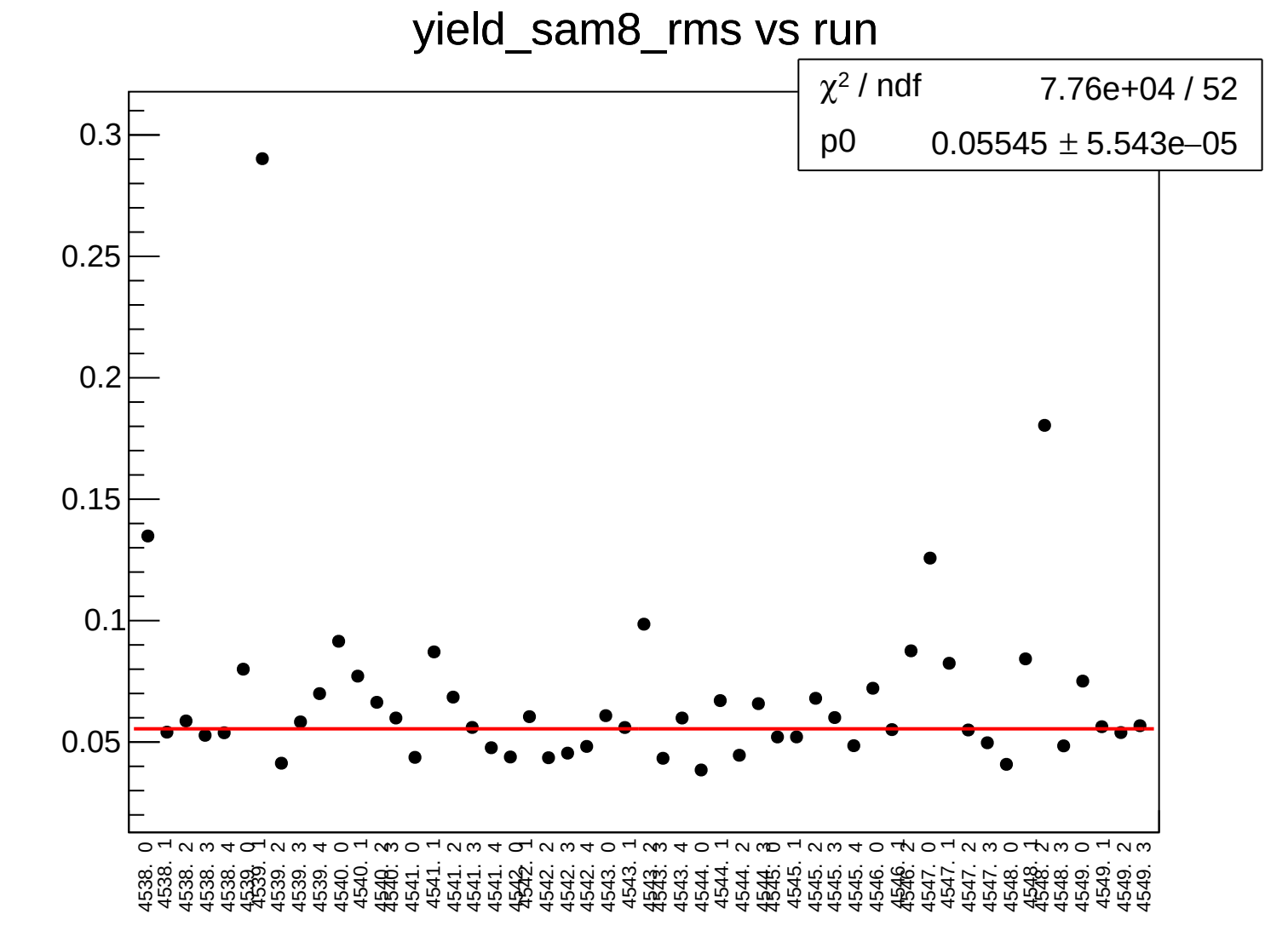

yield_sam7_mean vs run
χ² / ndf 1.115e+05 / 52
p0 15.03 ± 0.0001795
15.2
15.15
15.1
15.05
15
14.95
14.9
pull
Entries 53
Mean 165.1
Std Dev 143.1
150
100
50
0
−50
−100

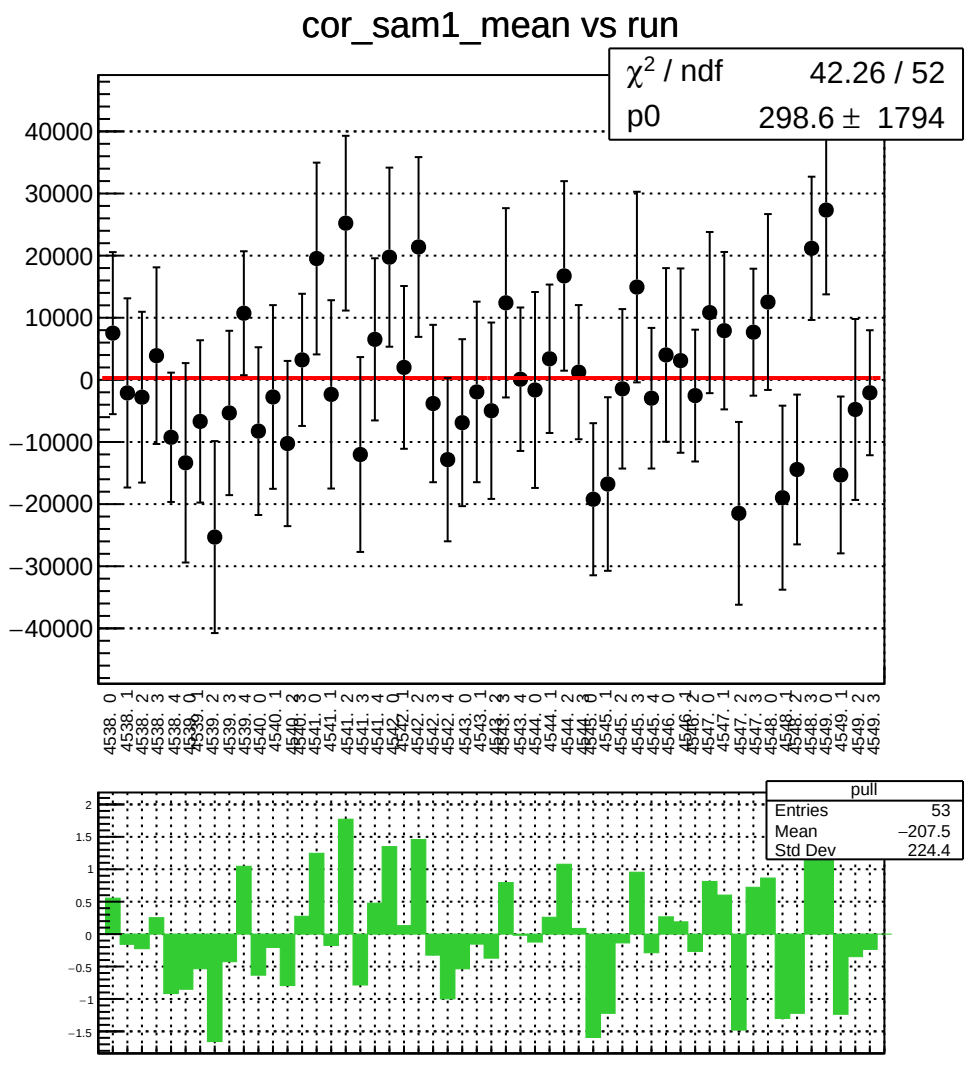

pull1D
Entries 53
Mean −0.005412
Std Dev 3.958
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

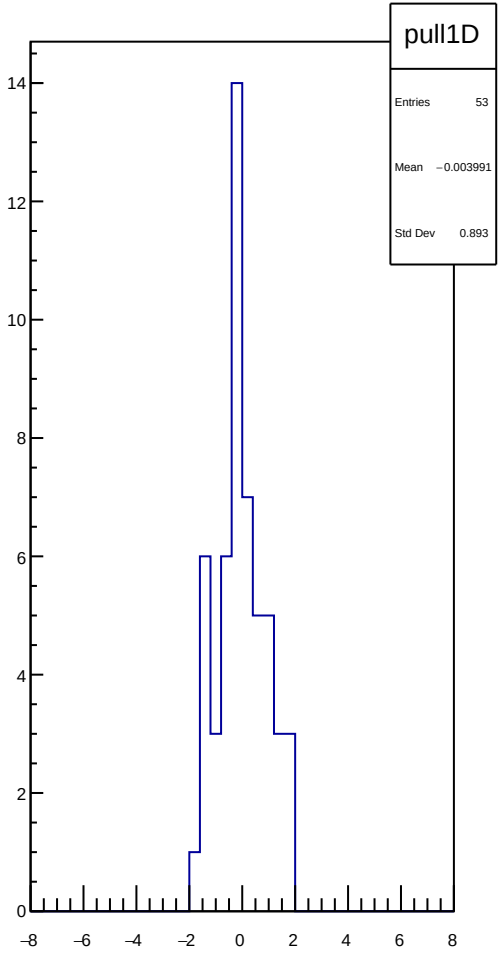

yield_sam7_rms vs run
χ² / ndf 3.569e+04 / 52
p0 0.1296 ± 0.0001269
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

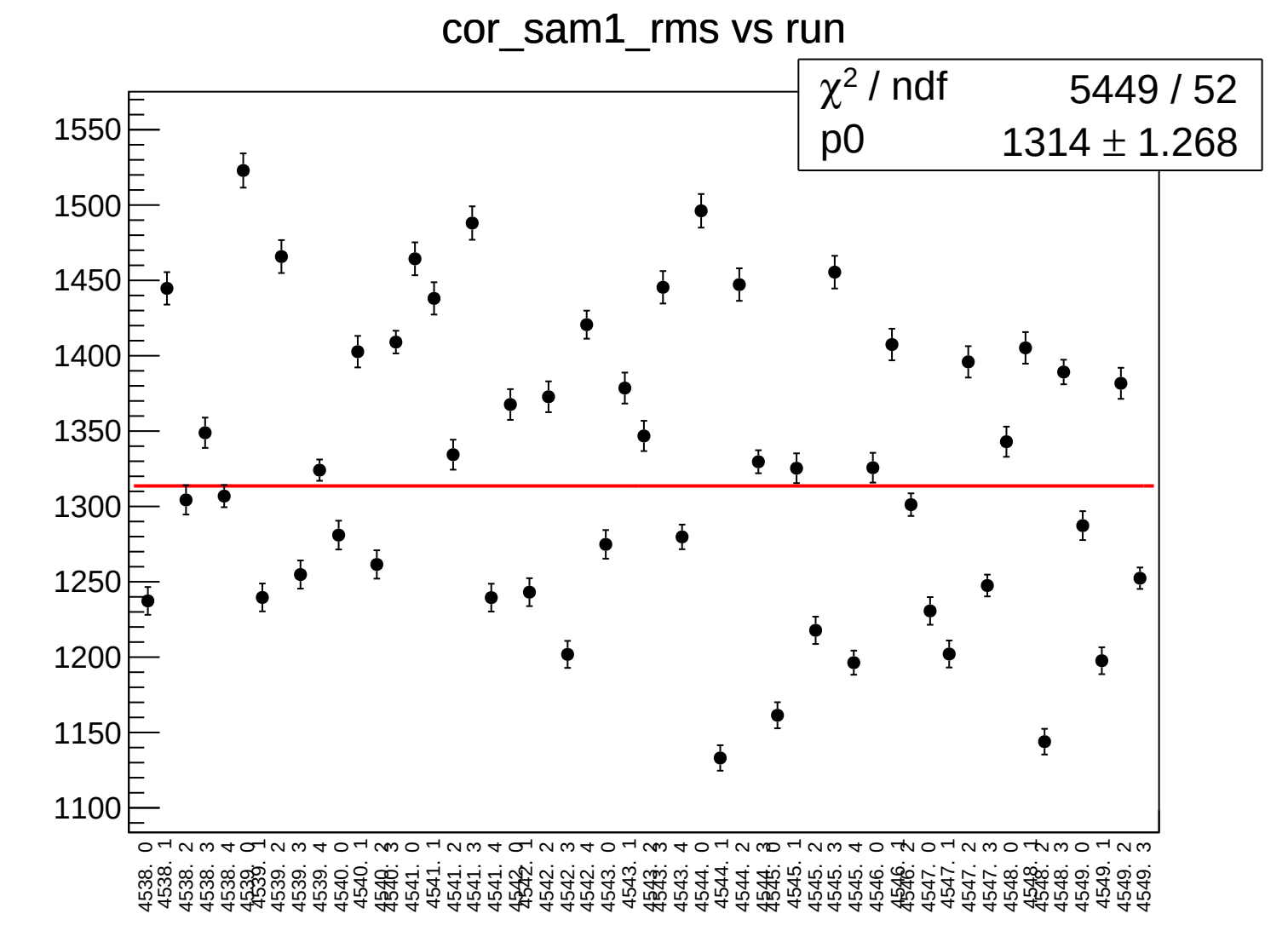

yield_sam8_mean vs run
χ² / ndf 5.013e+05 / 52
p0 7.029 ± 7.838e−05
7.15
7.1
7.05
7
6.95
pull
Entries 53
Mean −134.9
Std Dev 149.8
300
250
200
150
100
50
0
−50
−100
−150

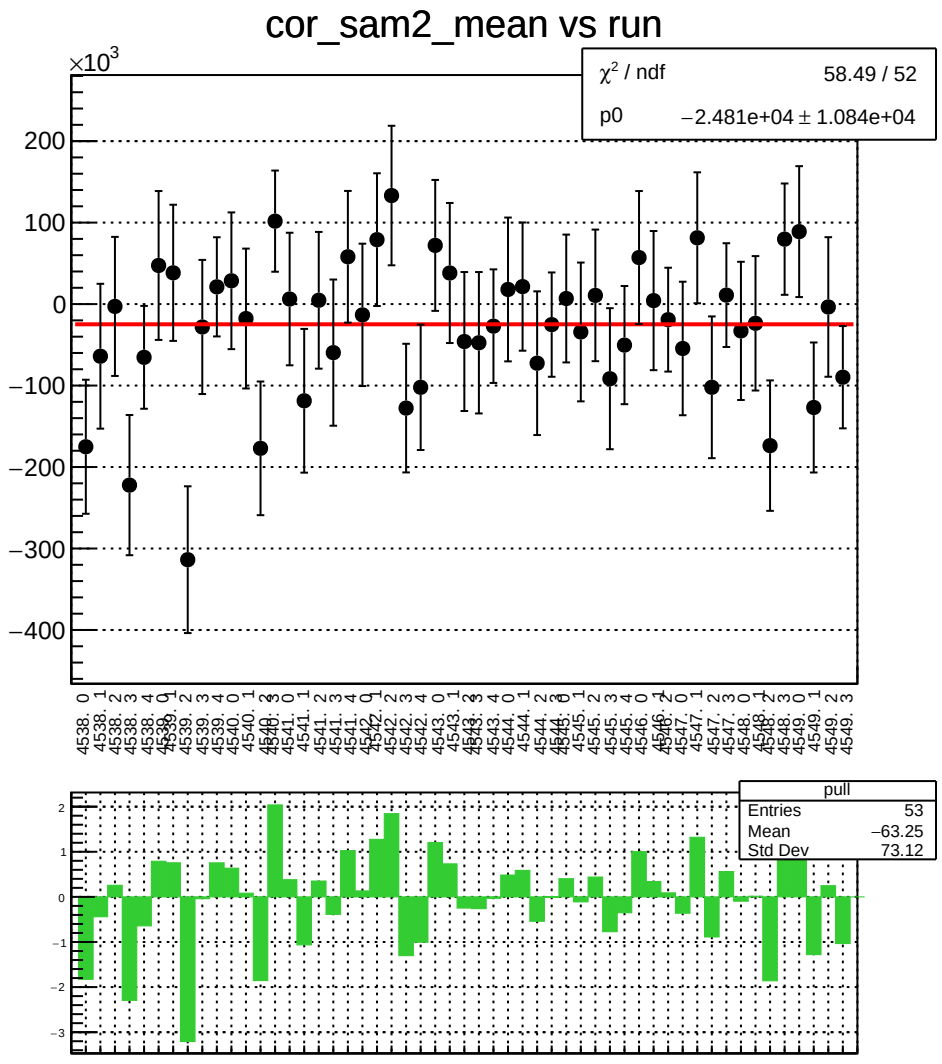

pull1D
Entries 53
Mean −1.681
Std Dev 0.3955
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

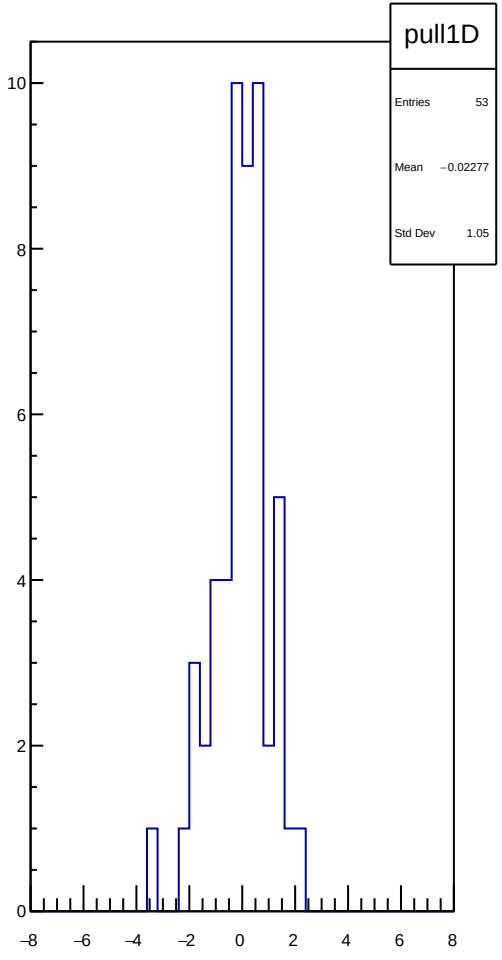

yield_sam8_rms vs run
χ² / ndf 7.76e+04 / 52
p0 0.05545 ± 5.543e−05
0.3
0.25
0.2
0.15
0.1
0.05
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

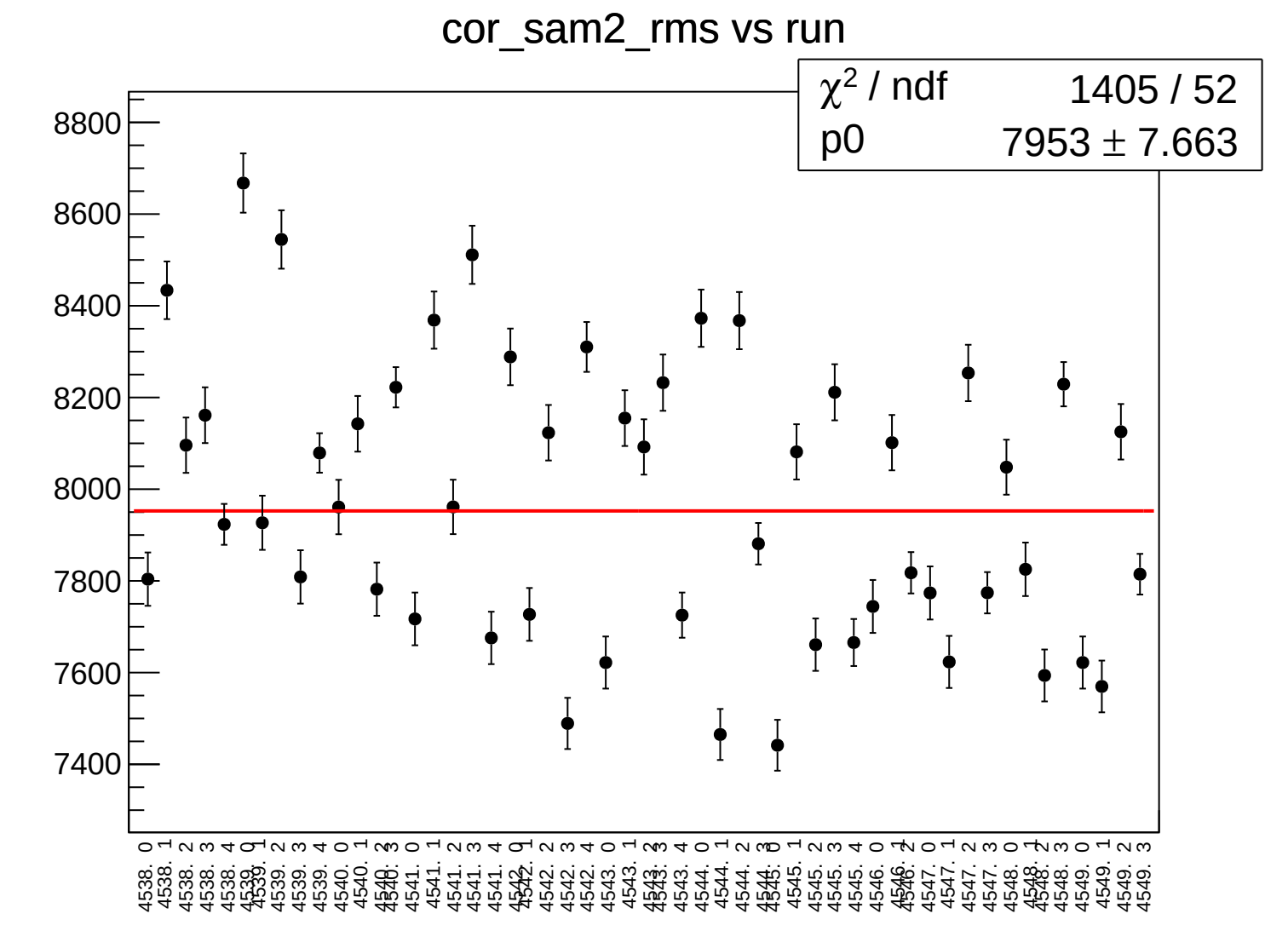

cor_sam1_mean vs run
χ² / ndf 42.26 / 52
p0 298.6 ± 1794
pull
Entries 53
Mean −207.5
Std Dev 224.4

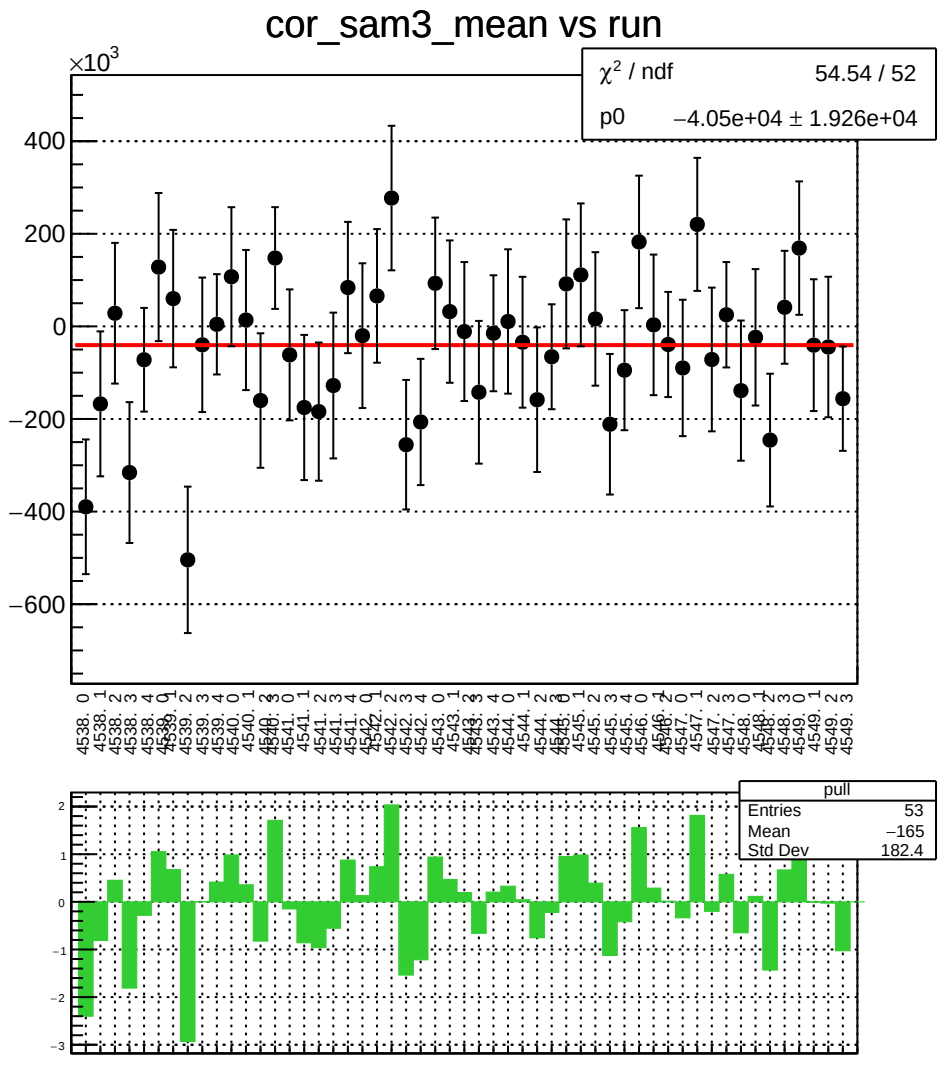

pull1D
Entries 53
Mean −0.003991
Std Dev 0.893

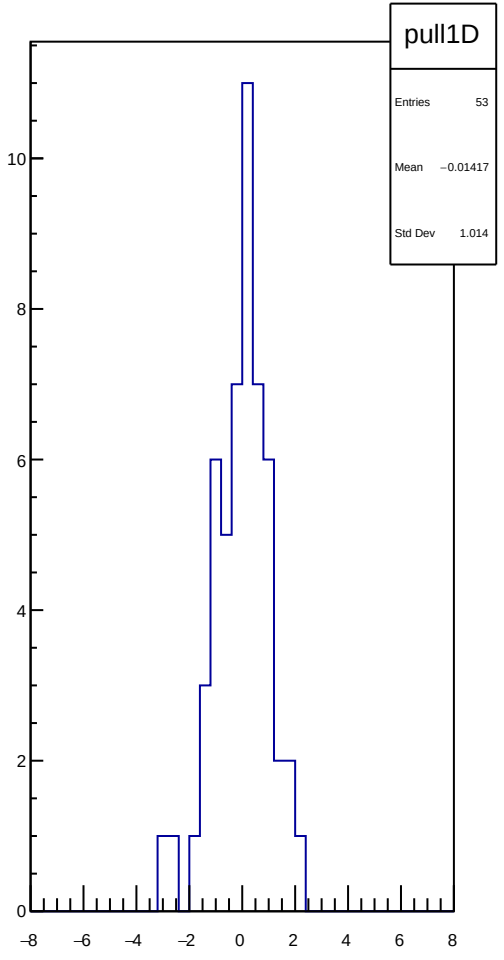

cor_sam1_rms vs run
χ² / ndf 5449 / 52
p0 1314 ± 1.268
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

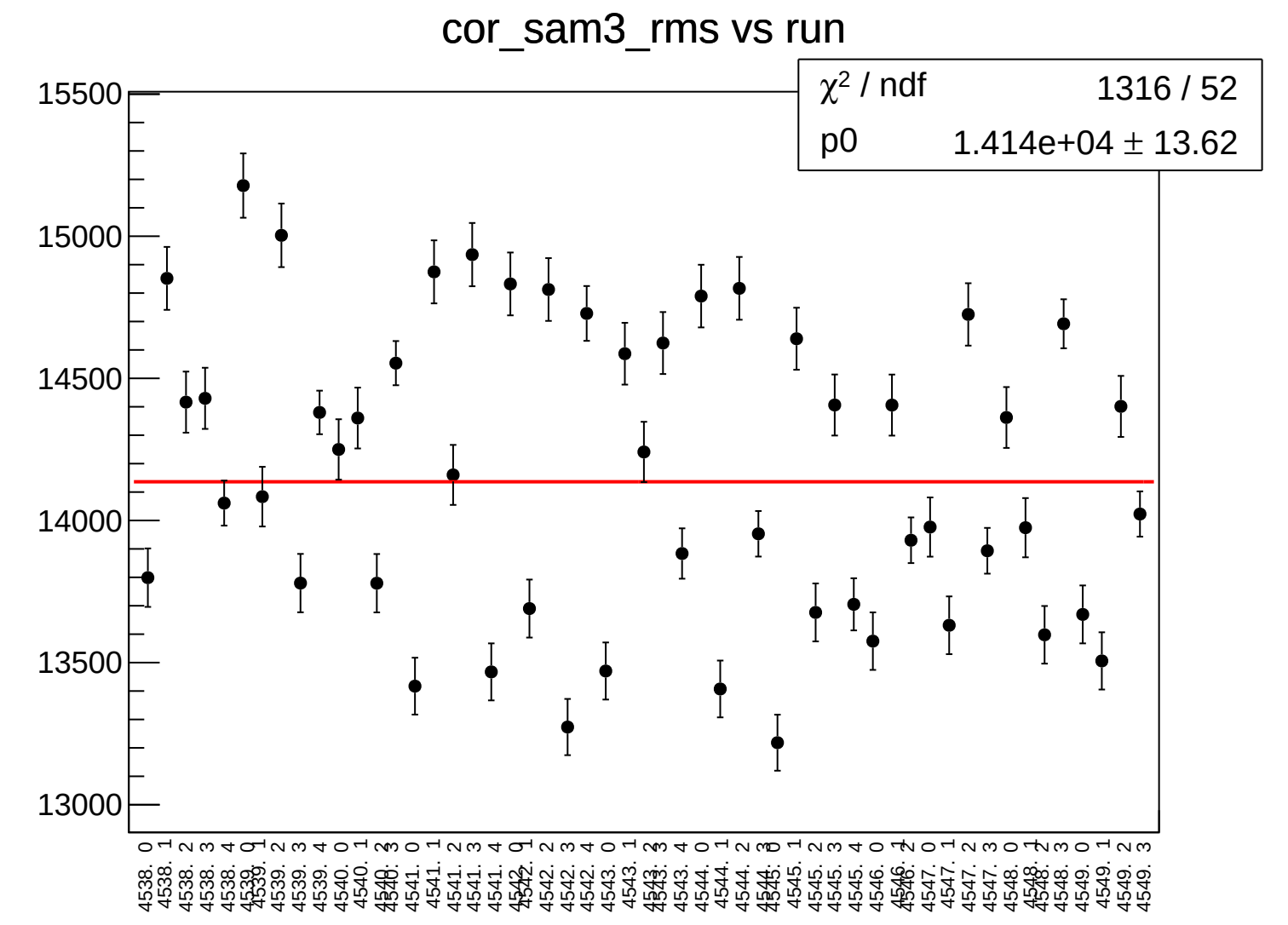

cor_sam2_mean vs run
×10^3
χ² / ndf 58.49 / 52
p0 −2.481e+04 ± 1.084e+04
200
100
0
−100
−200
−300
−400
pull
Entries 53
Mean −63.25
Std Dev 73.12
2
1
0
−1
−2
−3

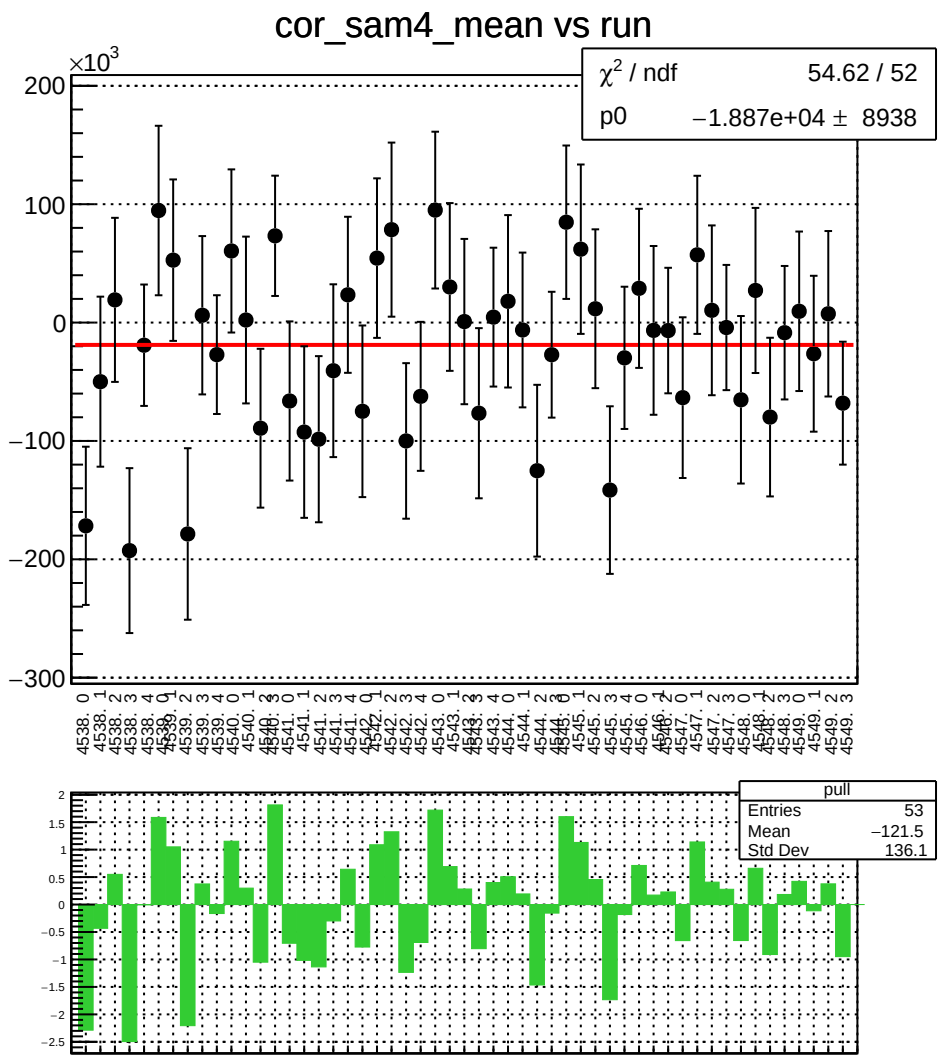

pull1D
Entries 53
Mean −0.02277
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

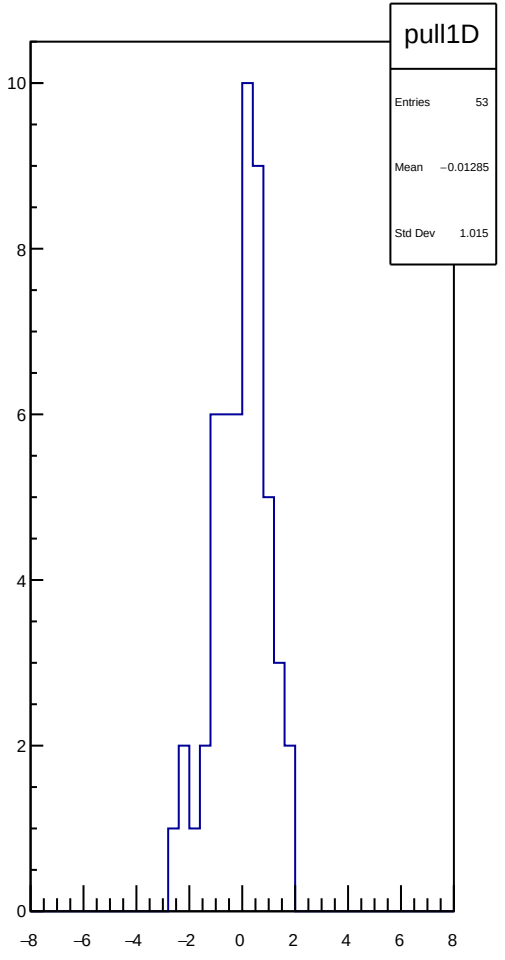

cor_sam2_rms vs run
χ² / ndf 1405 / 52
p0 7953 ± 7.663
8800
8600
8400
8200
8000
7800
7600
7400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

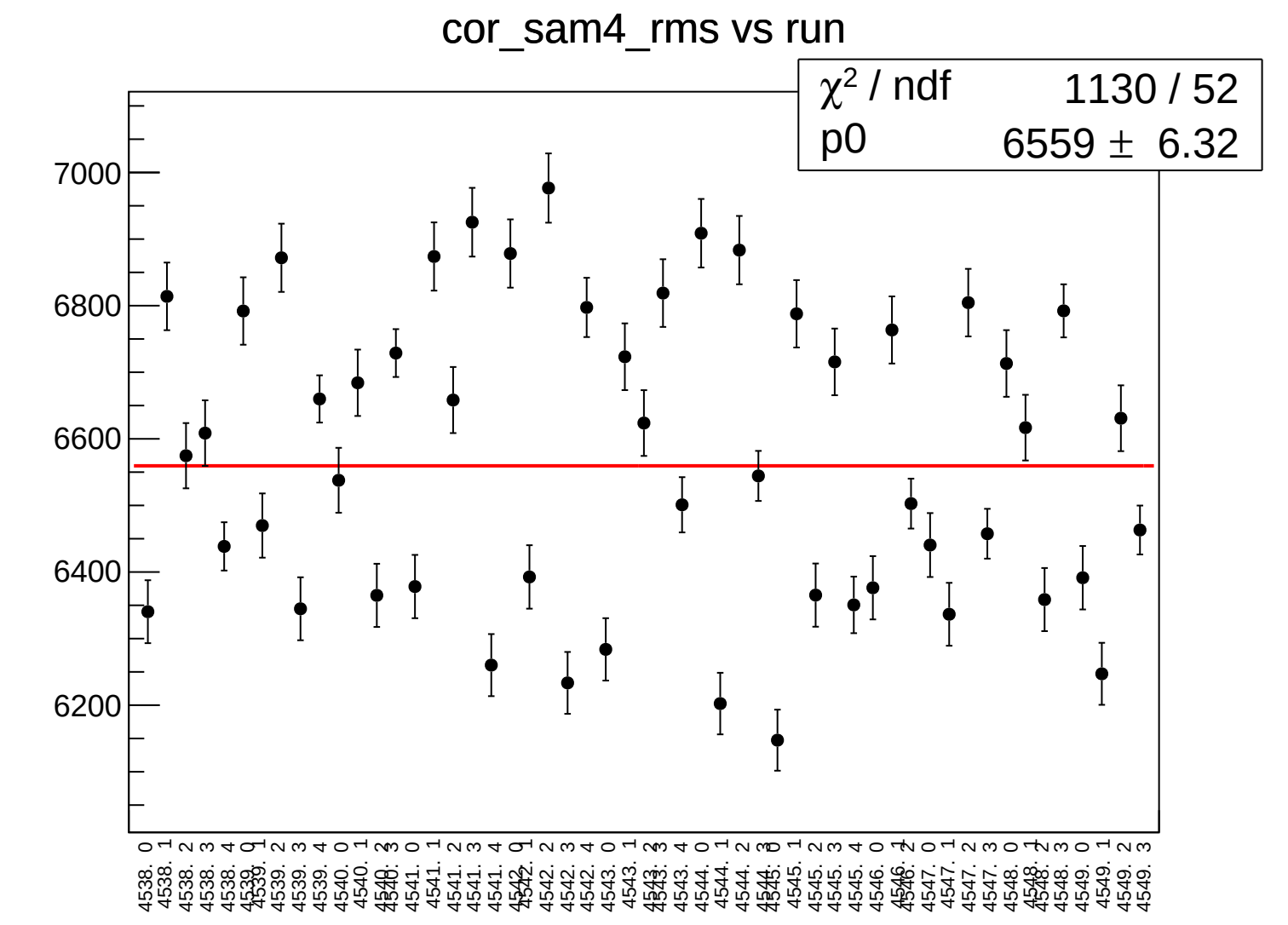

cor_sam3_mean vs run
×10^3
χ² / ndf 54.54 / 52
p0 −4.05e+04 ± 1.926e+04
400
200
0
−200
−400
−600
pull
Entries 53
Mean −165
Std Dev 182.4
2
1
0
−1
−2
−3

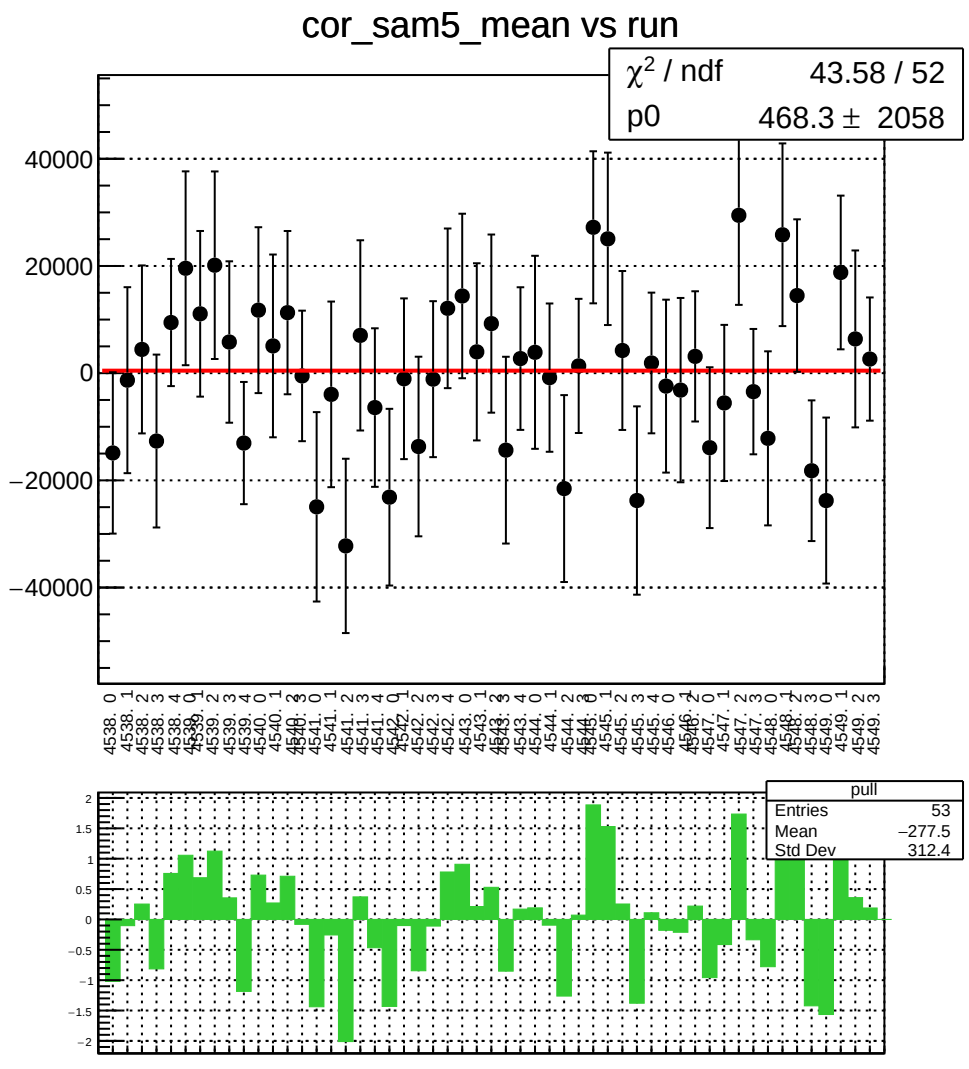

pull1D
Entries 53
Mean −0.01417
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

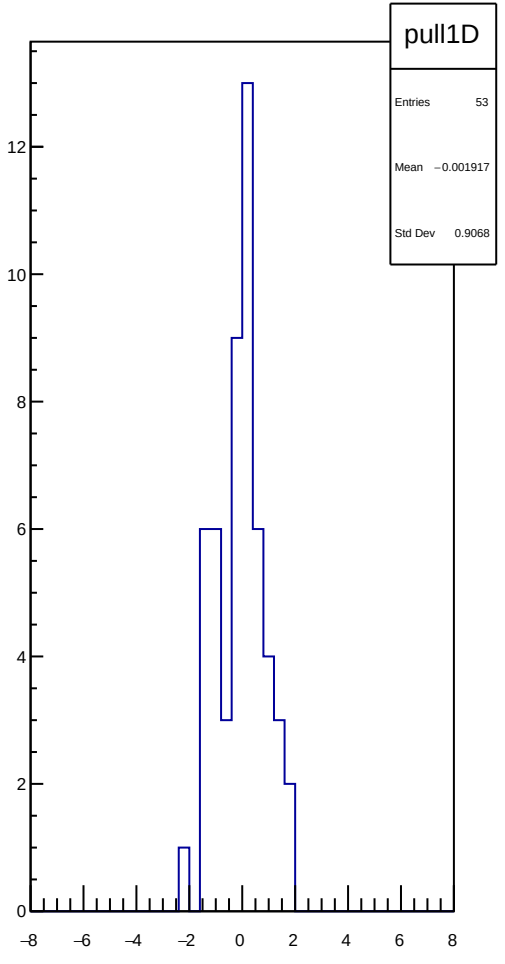

cor_sam3_rms vs run
χ² / ndf 1316 / 52
p0 1.414e+04 ± 13.62
15500
15000
14500
14000
13500
13000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

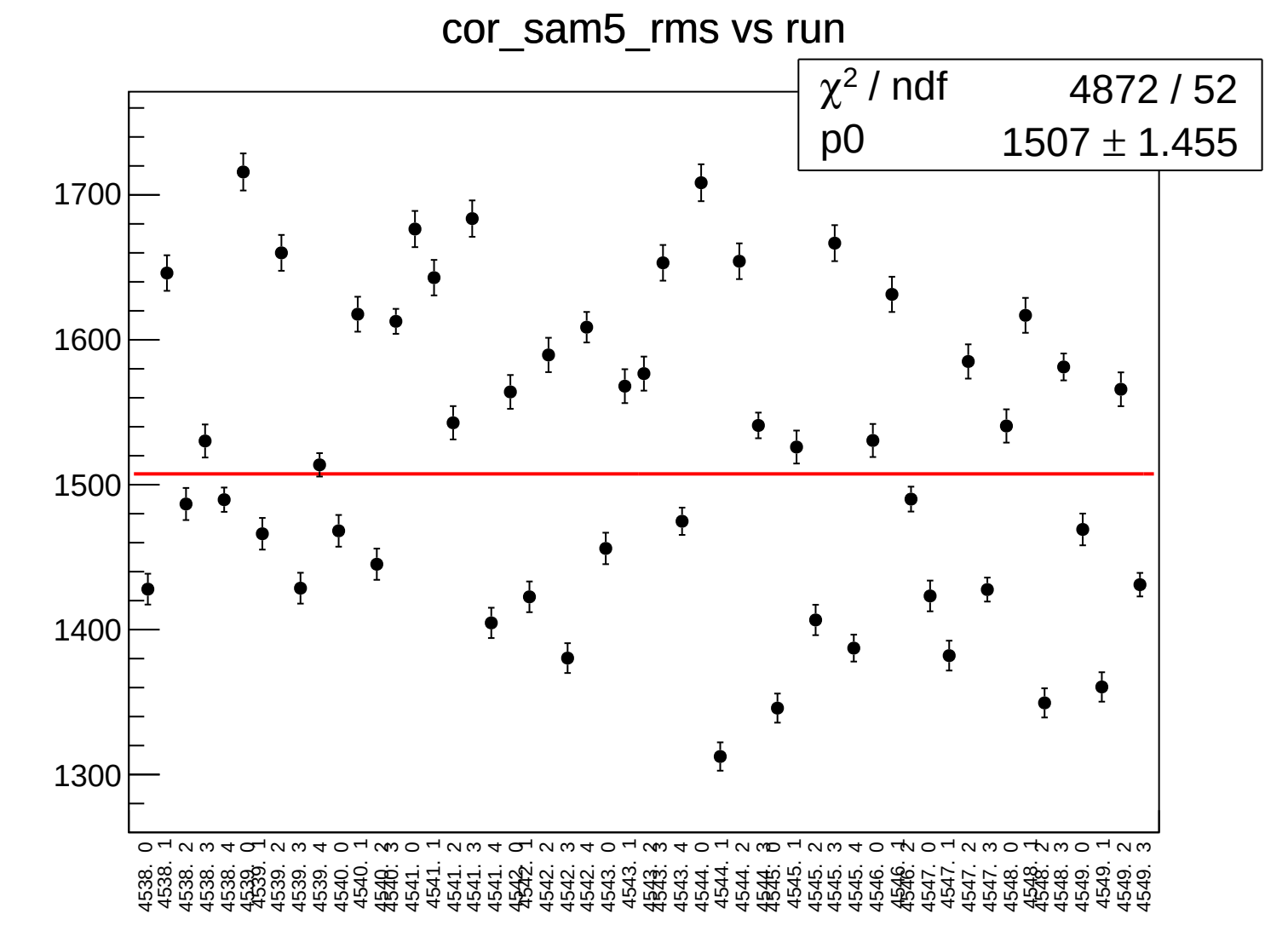

cor_sam4_mean vs run
×10^3
χ² / ndf 54.62 / 52
p0 −1.887e+04 ± 8938
pull
Entries 53
Mean −121.5
Std Dev 136.1

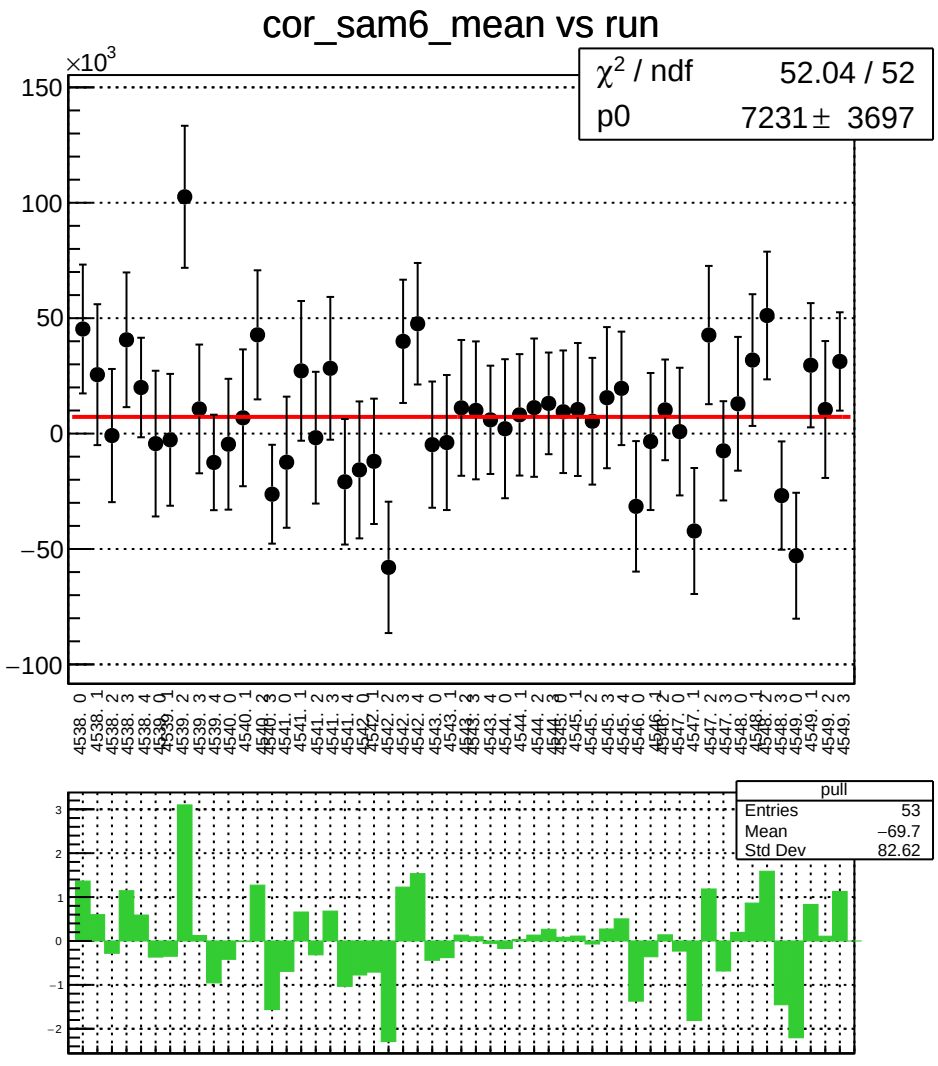

pull1D
Entries 53
Mean −0.01285
Std Dev 1.015

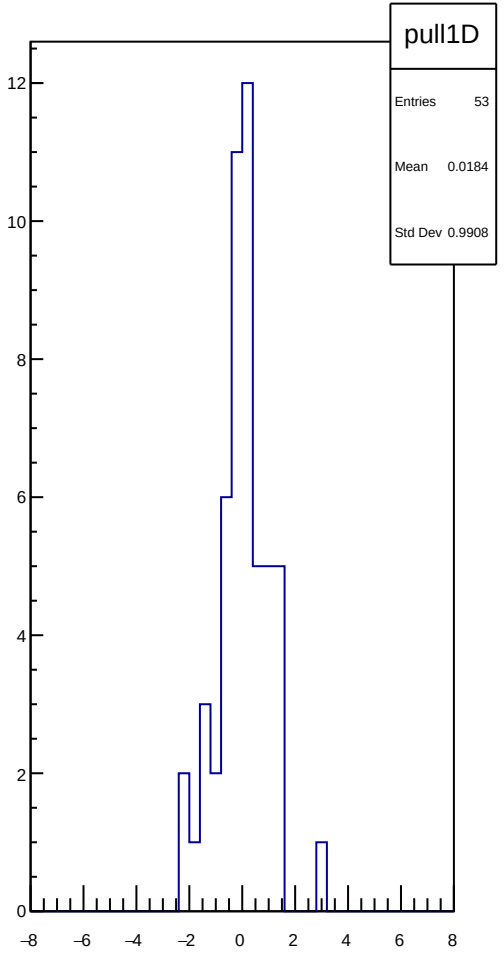

cor_sam4_rms vs run
χ² / ndf 1130 / 52
p0 6559 ± 6.32
7000
6800
6600
6400
6200
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

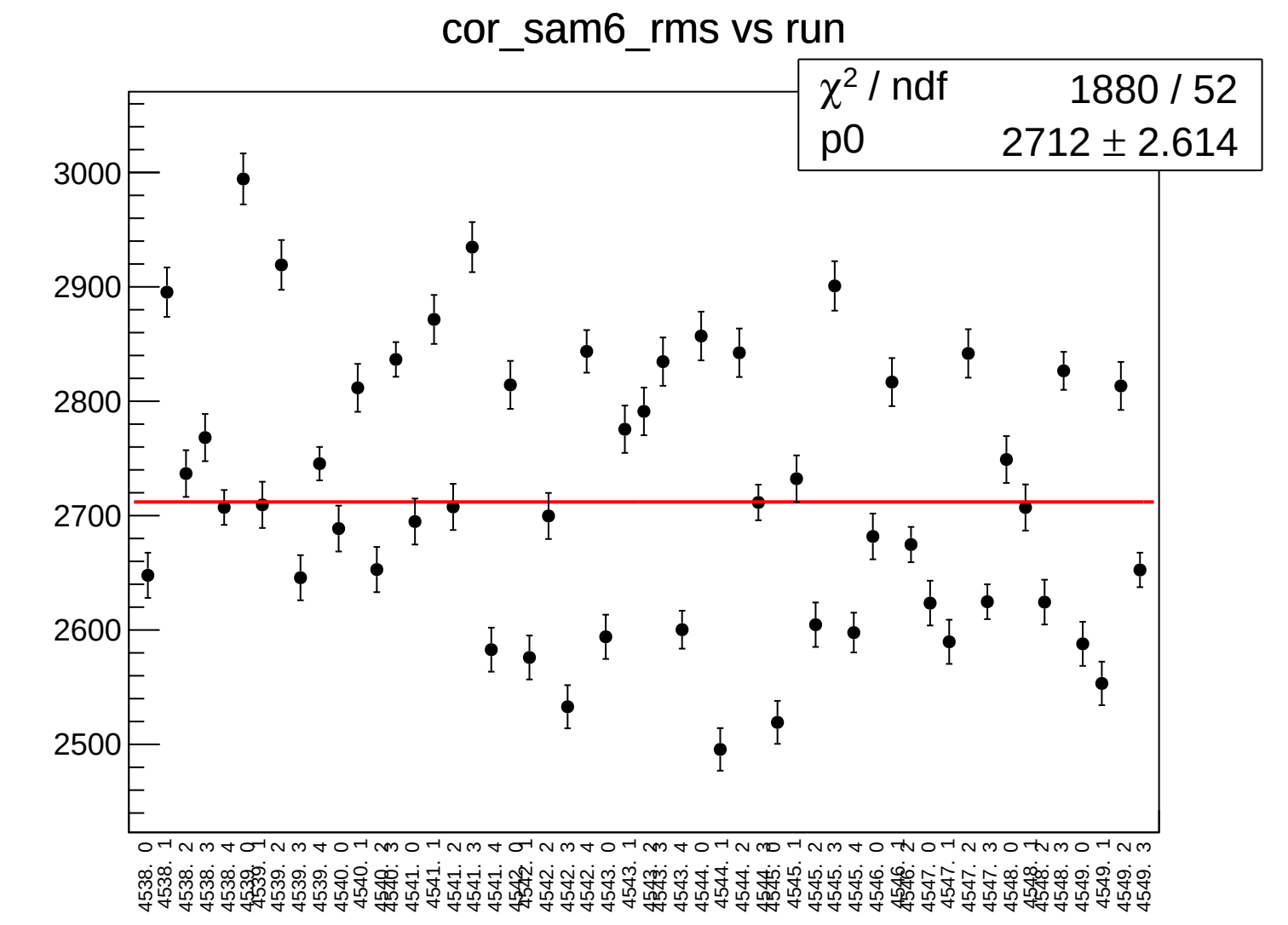

cor_sam5_mean vs run
χ² / ndf 43.58 / 52
p0 468.3 ± 2058
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −277.5
Std Dev 312.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

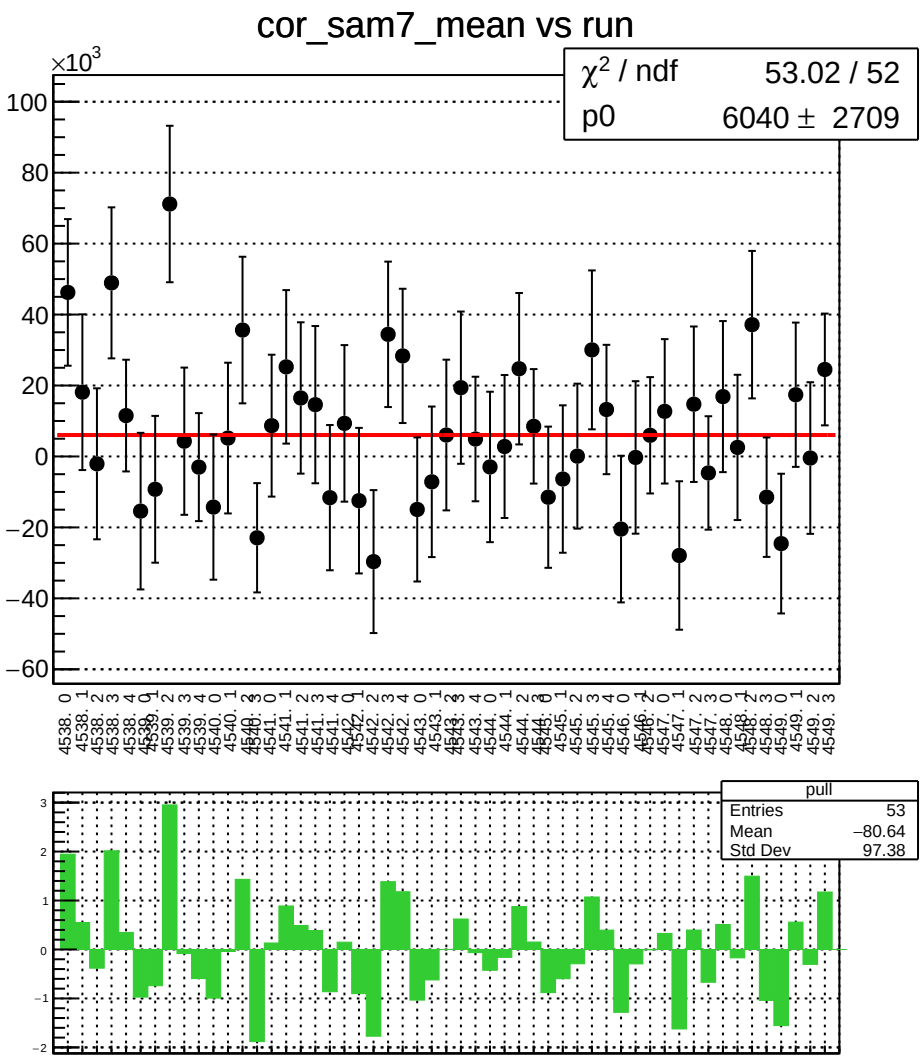

pull1D
Entries 53
Mean −0.001917
Std Dev 0.9068
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

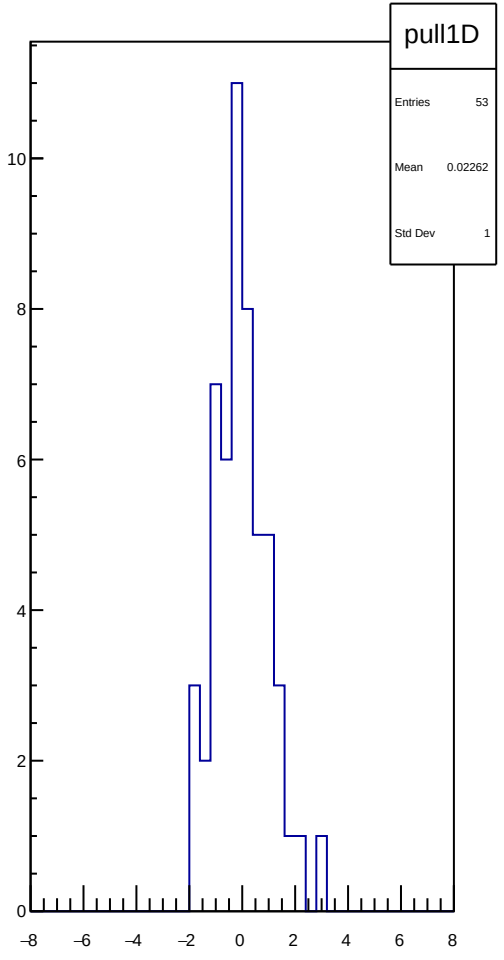

cor_sam5_rms vs run
χ² / ndf 4872 / 52
p0 1507 ± 1.455
1700
1600
1500
1400
1300
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

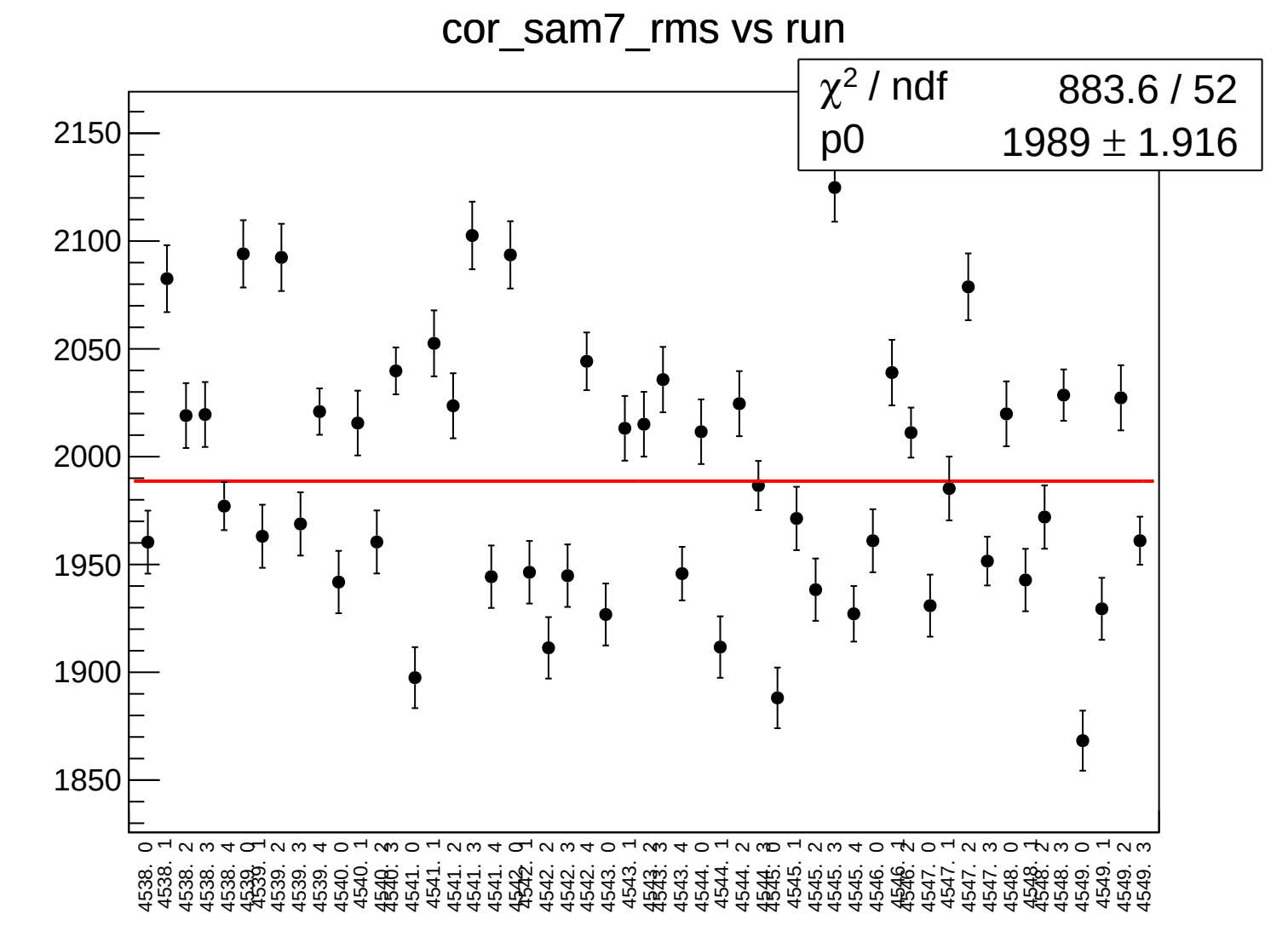

cor_sam6_mean vs run
×10^3
χ² / ndf 52.04 / 52
p0 7231 ± 3697
150
100
50
0
−50
−100
pull
Entries 53
Mean −69.7
Std Dev 82.62
3
2
1
0
−1
−2

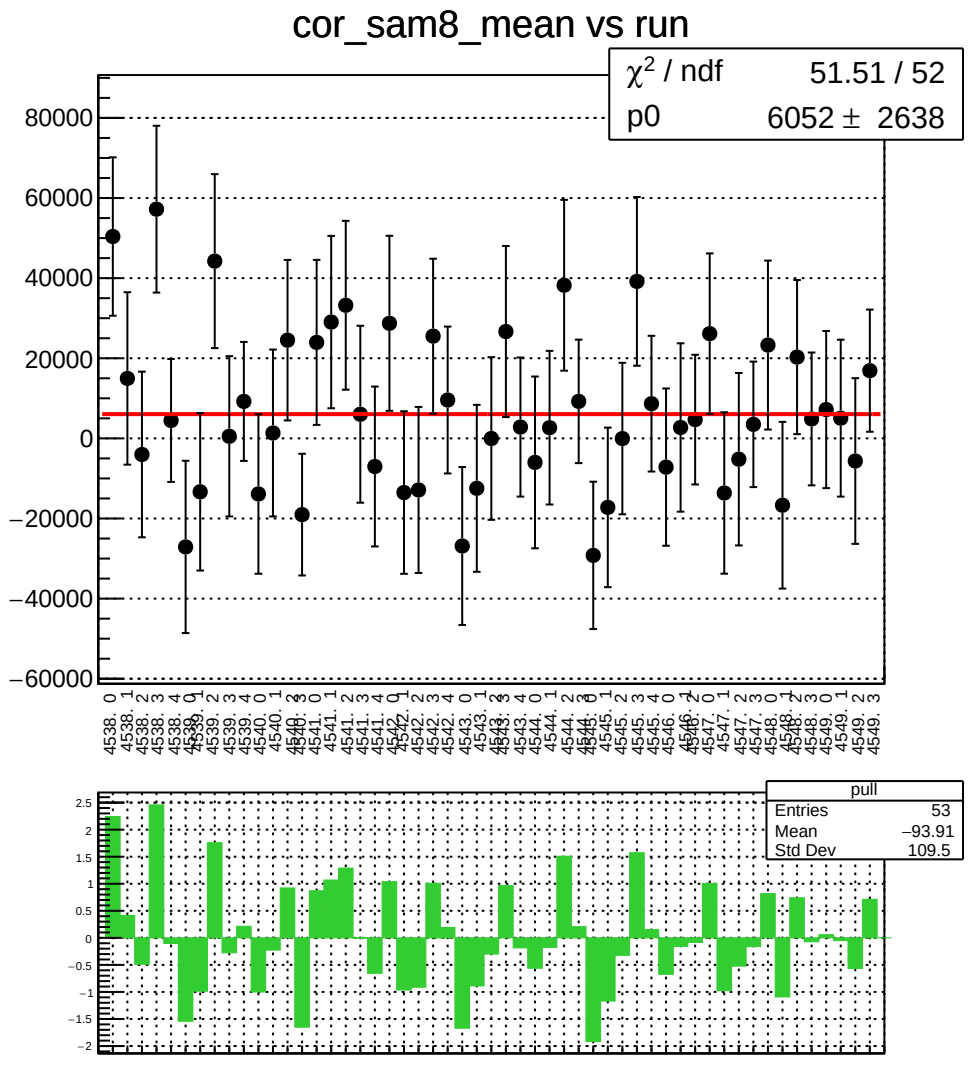

pull1D
Entries 53
Mean 0.0184
Std Dev 0.9908
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

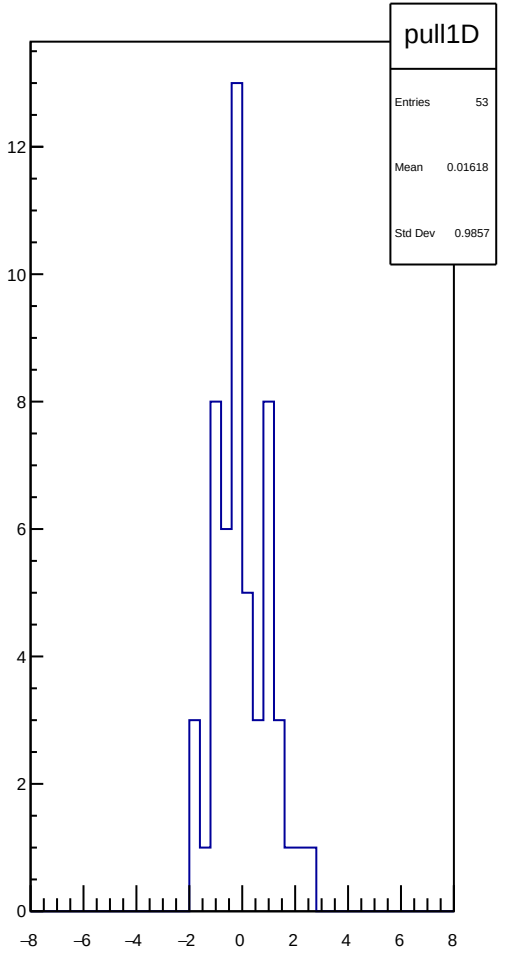

cor_sam6_rms vs run
χ² / ndf 1880 / 52
p0 2712 ± 2.614
3000
2900
2800
2700
2600
2500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

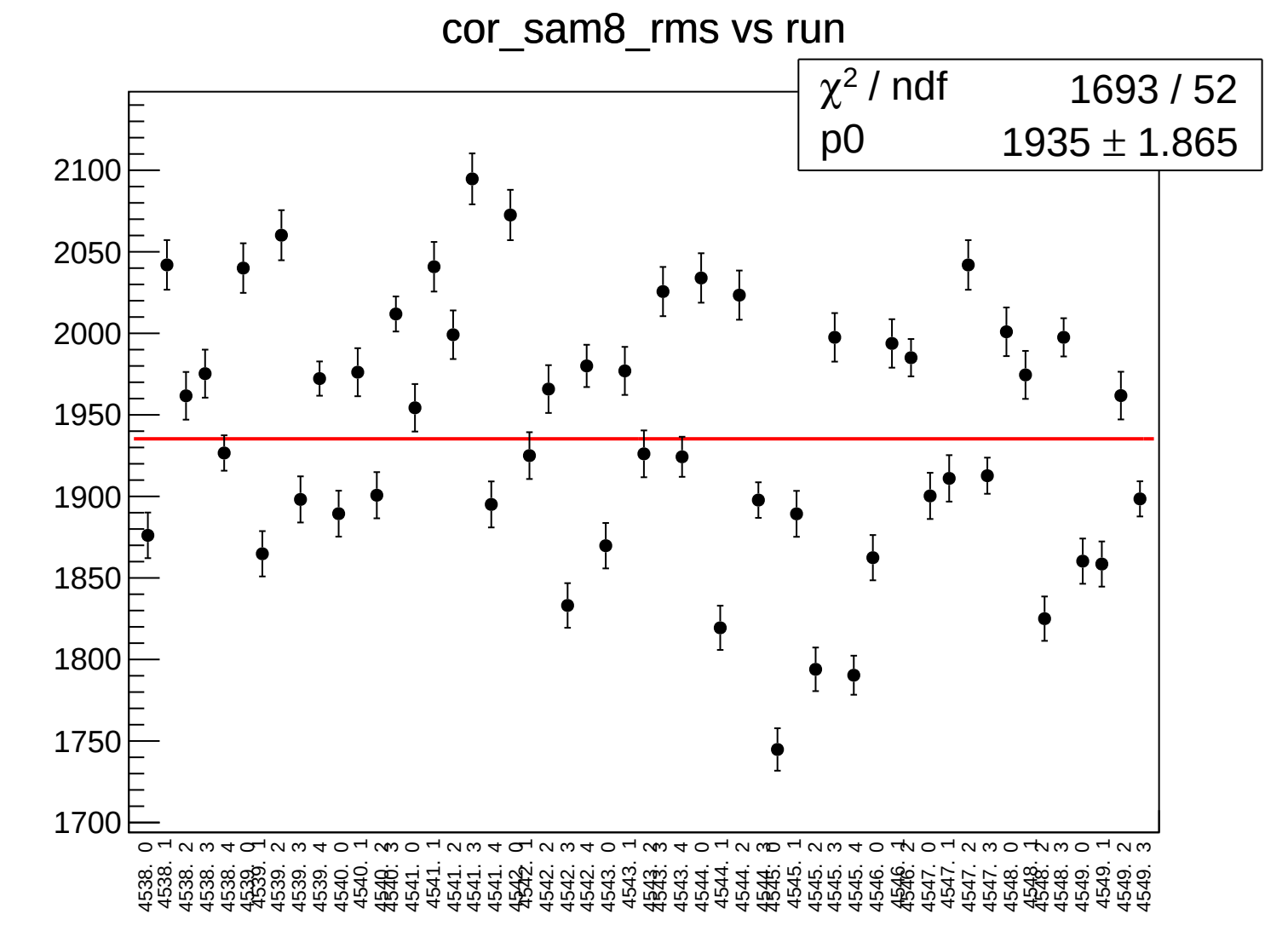

cor_sam7_mean vs run
×10^3
χ² / ndf 53.02 / 52
p0 6040 ± 2709
pull
Entries 53
Mean −80.64
Std Dev 97.38

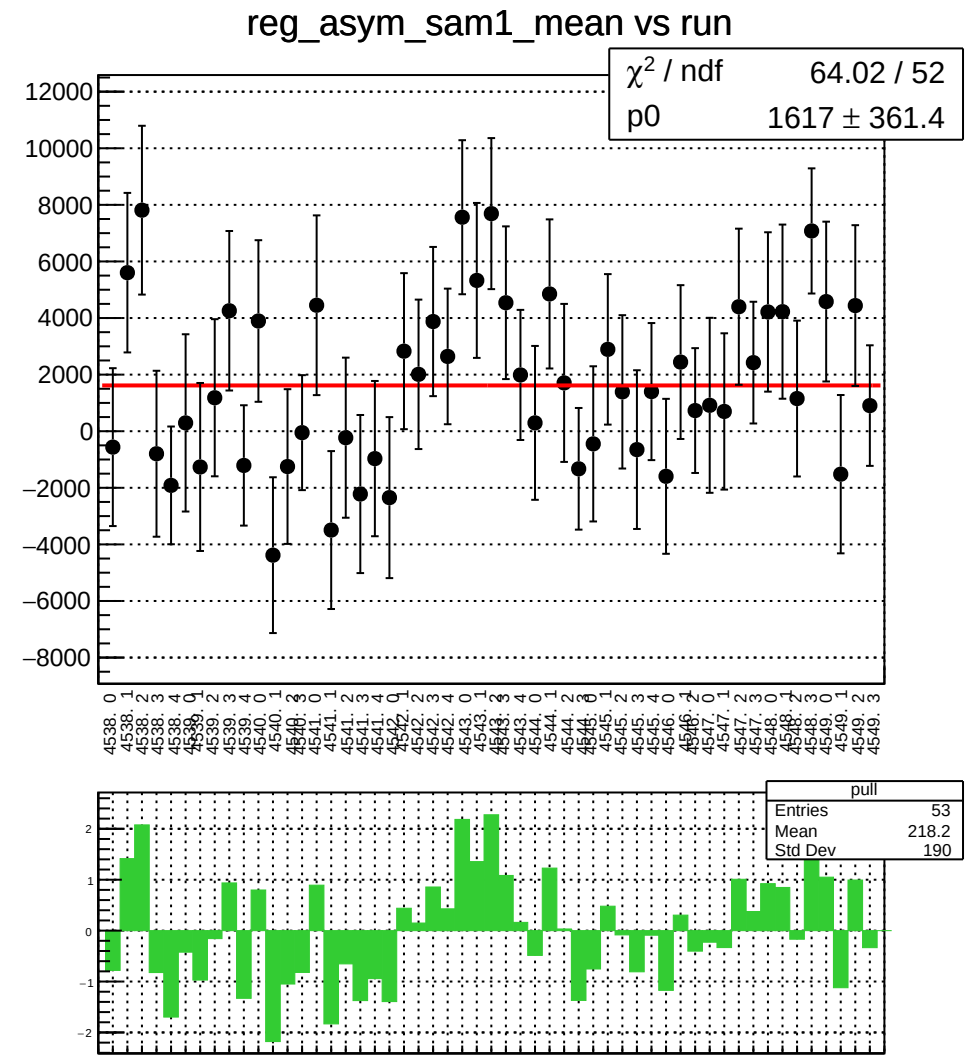

pull1D
Entries 53
Mean 0.02262
Std Dev 1

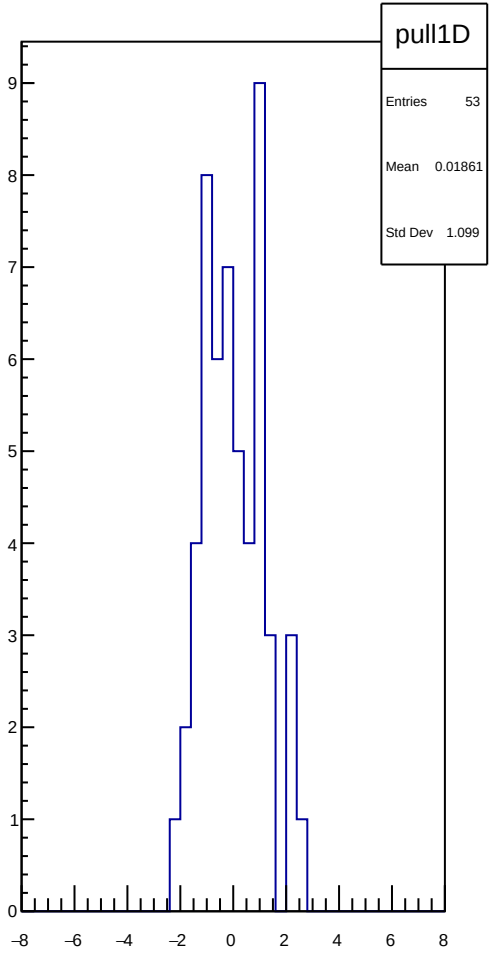

cor_sam7_rms vs run
χ² / ndf 883.6 / 52
p0 1989 ± 1.916
2150
2100
2050
2000
1950
1900
1850
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

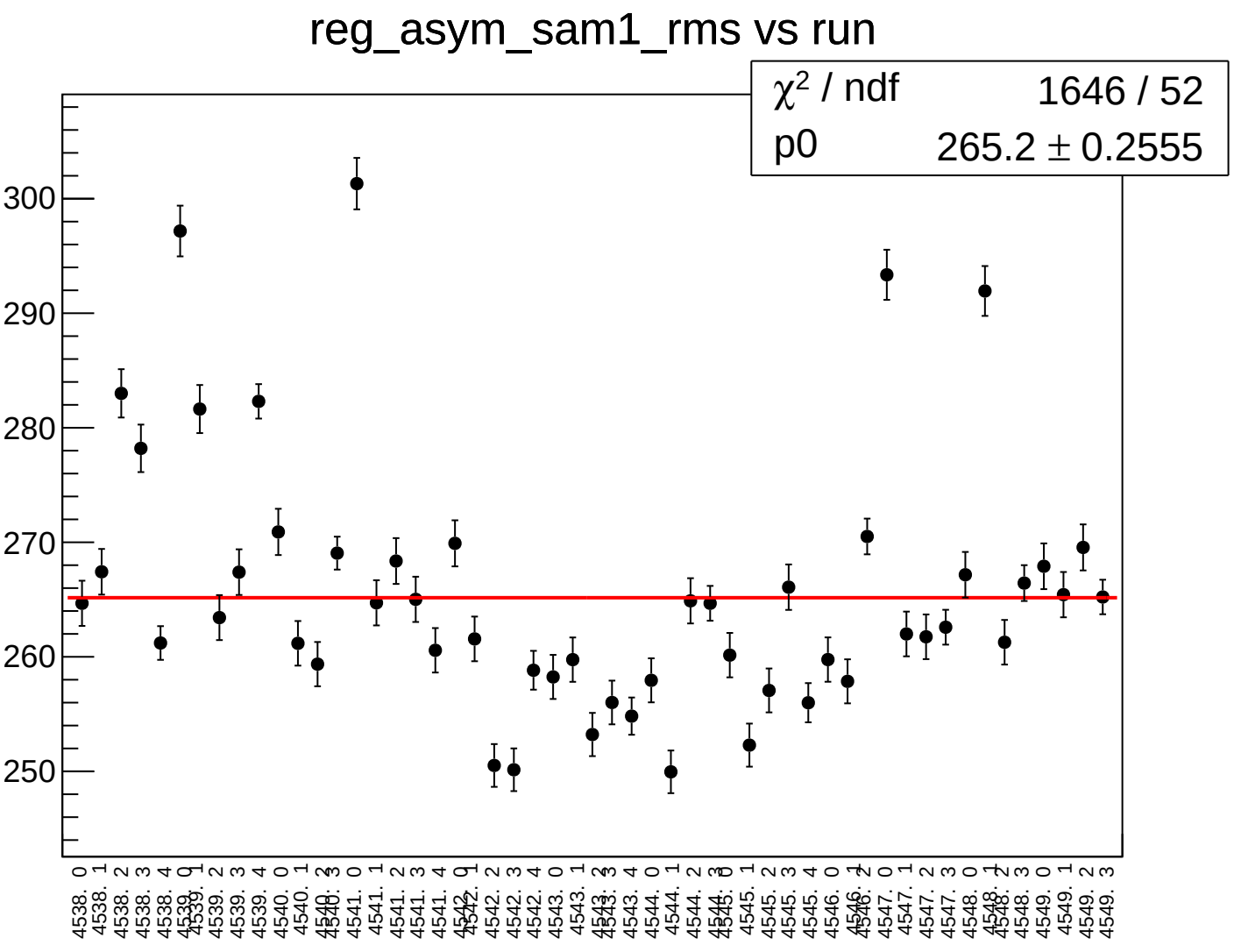

cor_sam8_mean vs run
χ² / ndf 51.51 / 52
p0 6052 ± 2638
pull
Entries 53
Mean −93.91
Std Dev 109.5

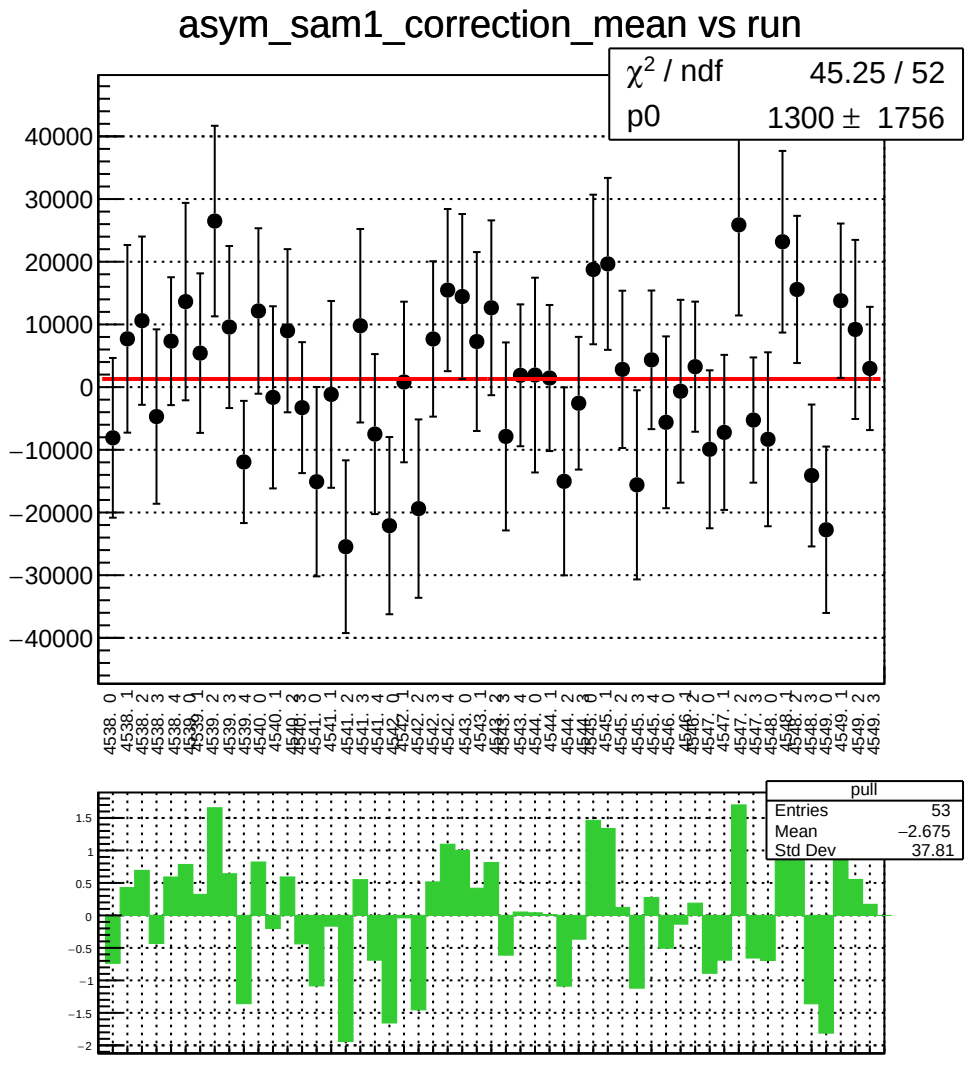

pull1D
Entries 53
Mean 0.01618
Std Dev 0.9857

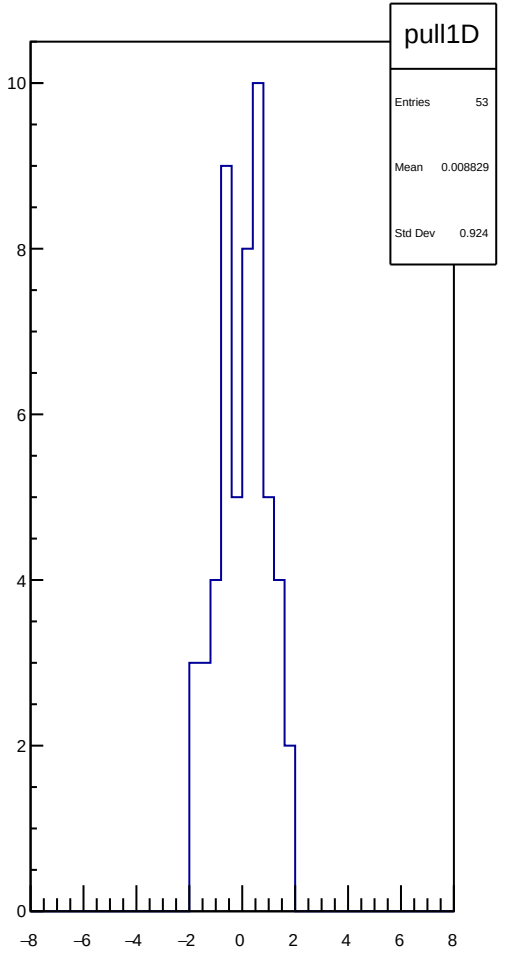

cor_sam8_rms vs run
χ^2 / ndf 1693 / 52
p0 1935 ± 1.865
2100
2050
2000
1950
1900
1850
1800
1750
1700
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

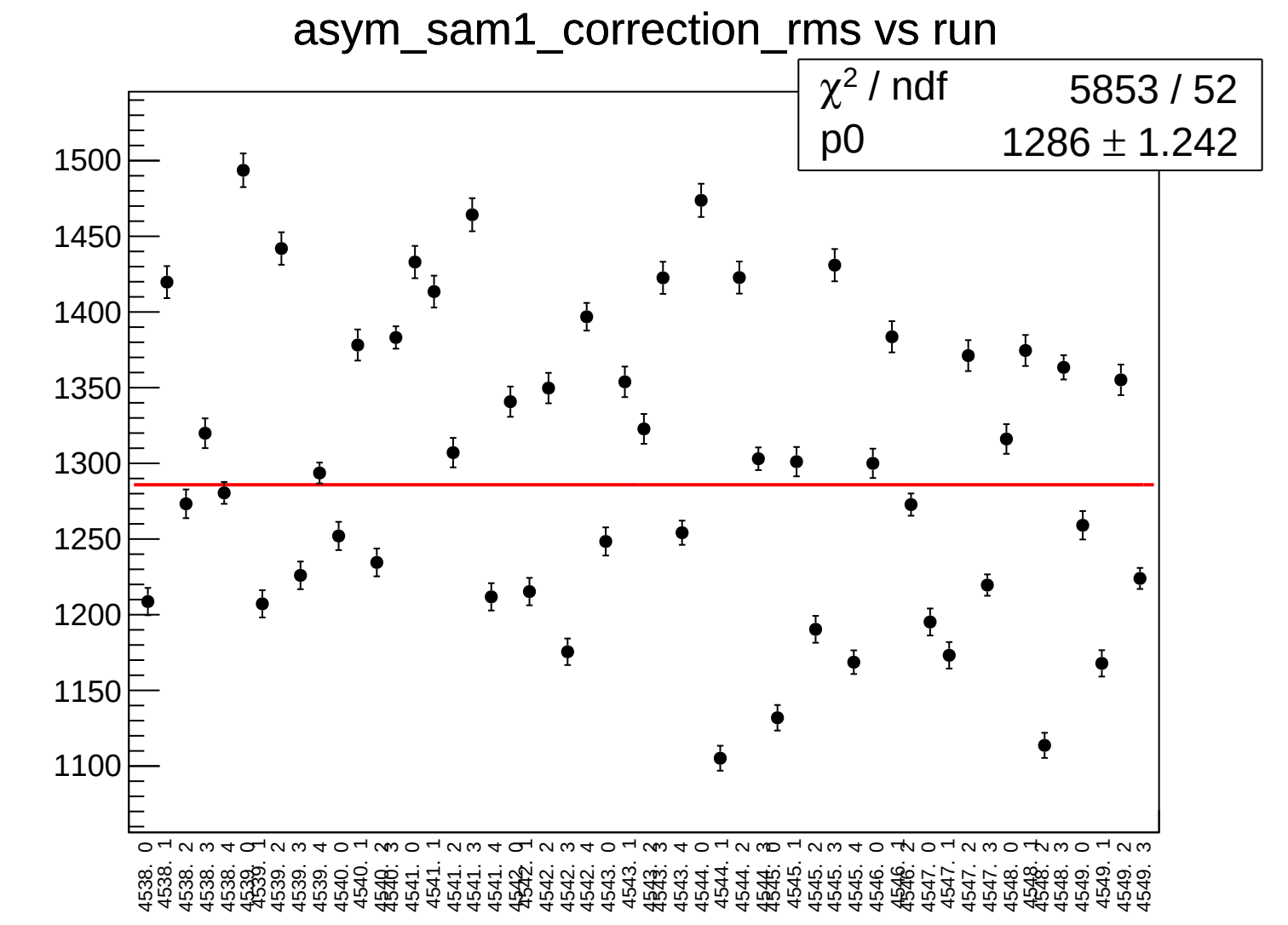

reg_asym_sam1_mean vs run
χ² / ndf 64.02 / 52
p0 1617 ± 361.4
pull
Entries 53
Mean 218.2
Std Dev 190

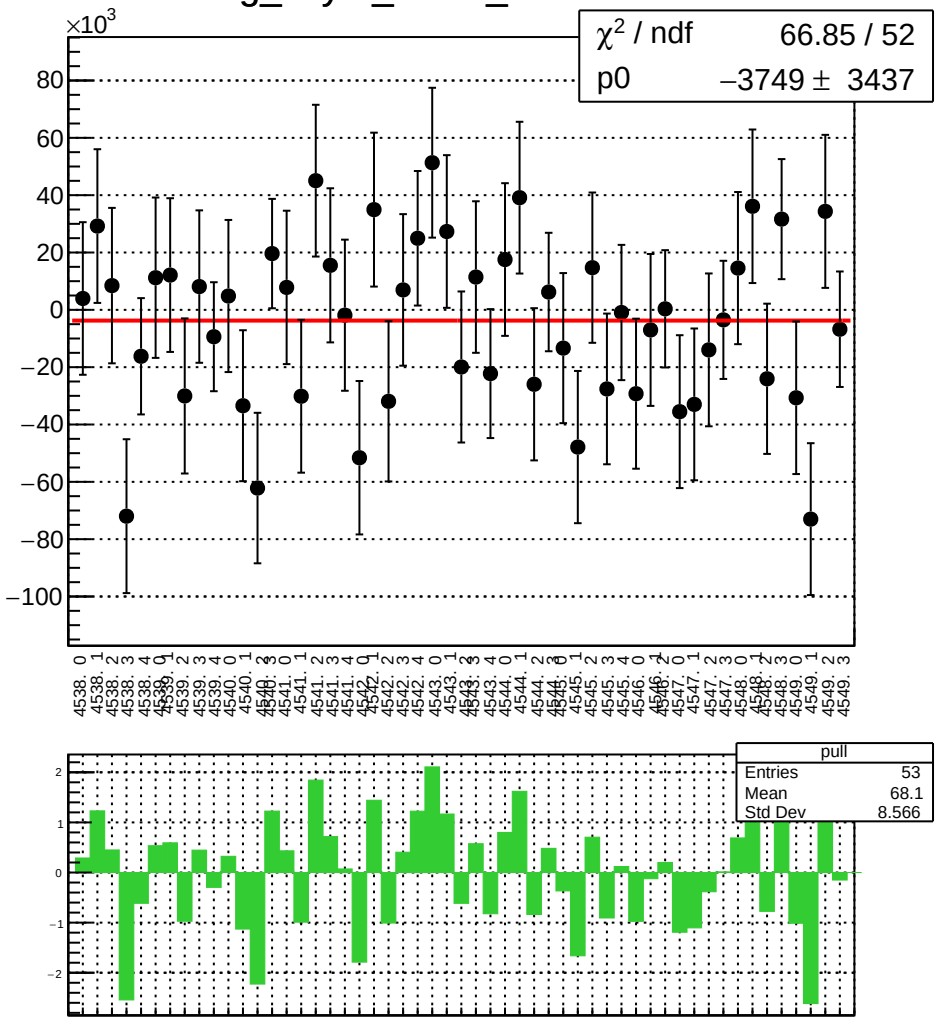

pull1D
Entries 53
Mean 0.01861
Std Dev 1.099

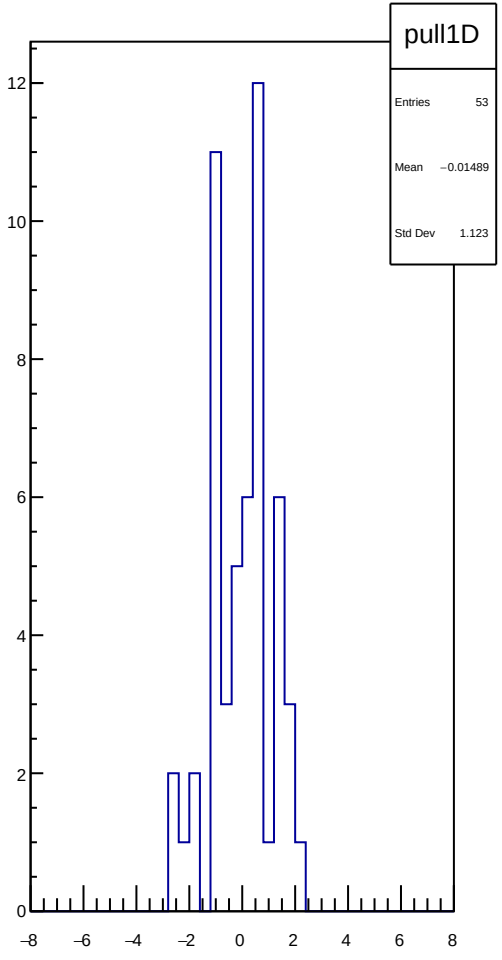

reg_asym_sam1_rms vs run
χ² / ndf 1646 / 52
p0 265.2 ± 0.2555
300
290
280
270
260
250
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 4
4544. 0
4544. 1
4544. 2
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

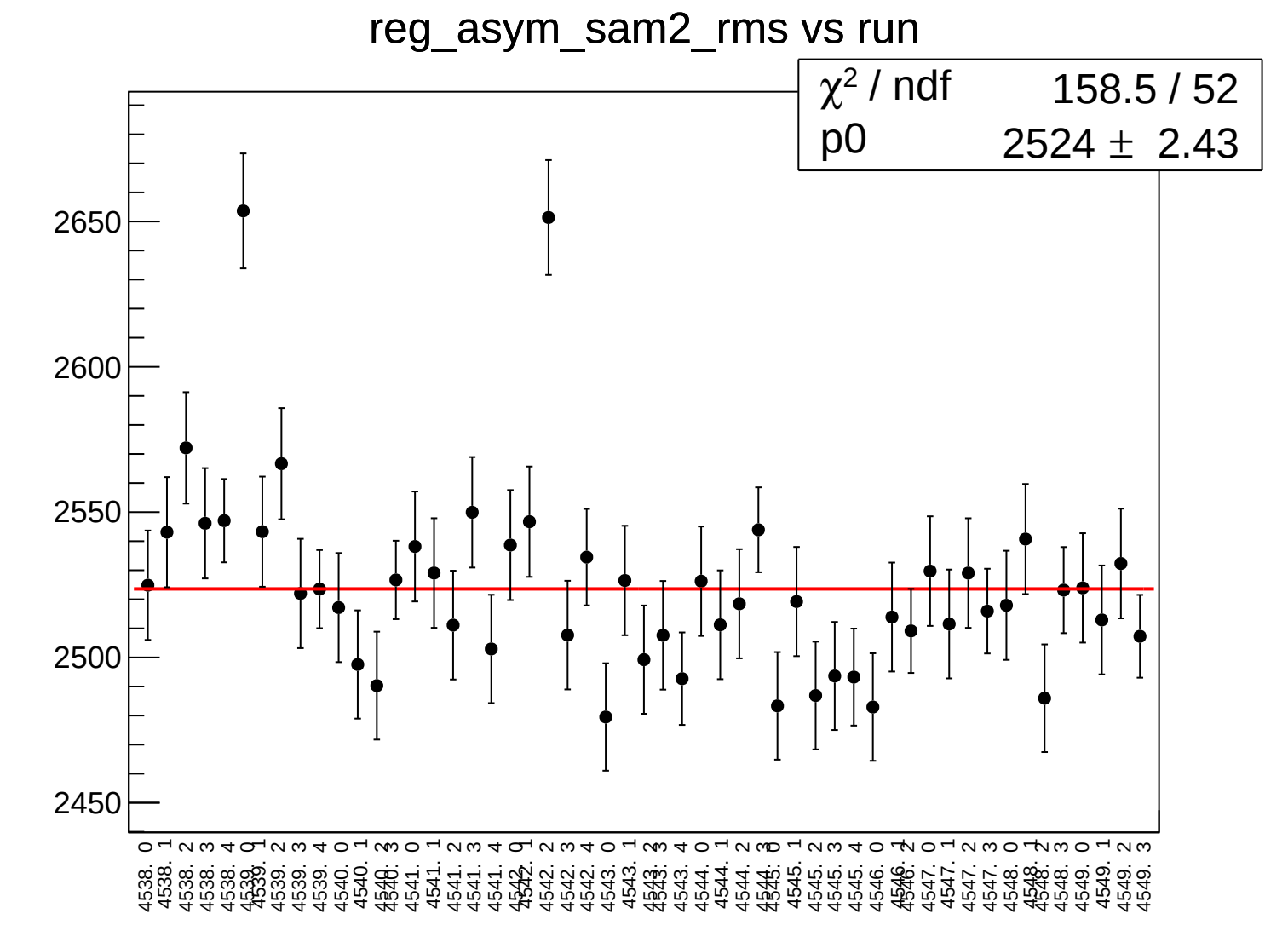

asym_sam1_correction_mean vs run
χ² / ndf 45.25 / 52
p0 1300 ± 1756
pull
Entries 53
Mean −2.675
Std Dev 37.81

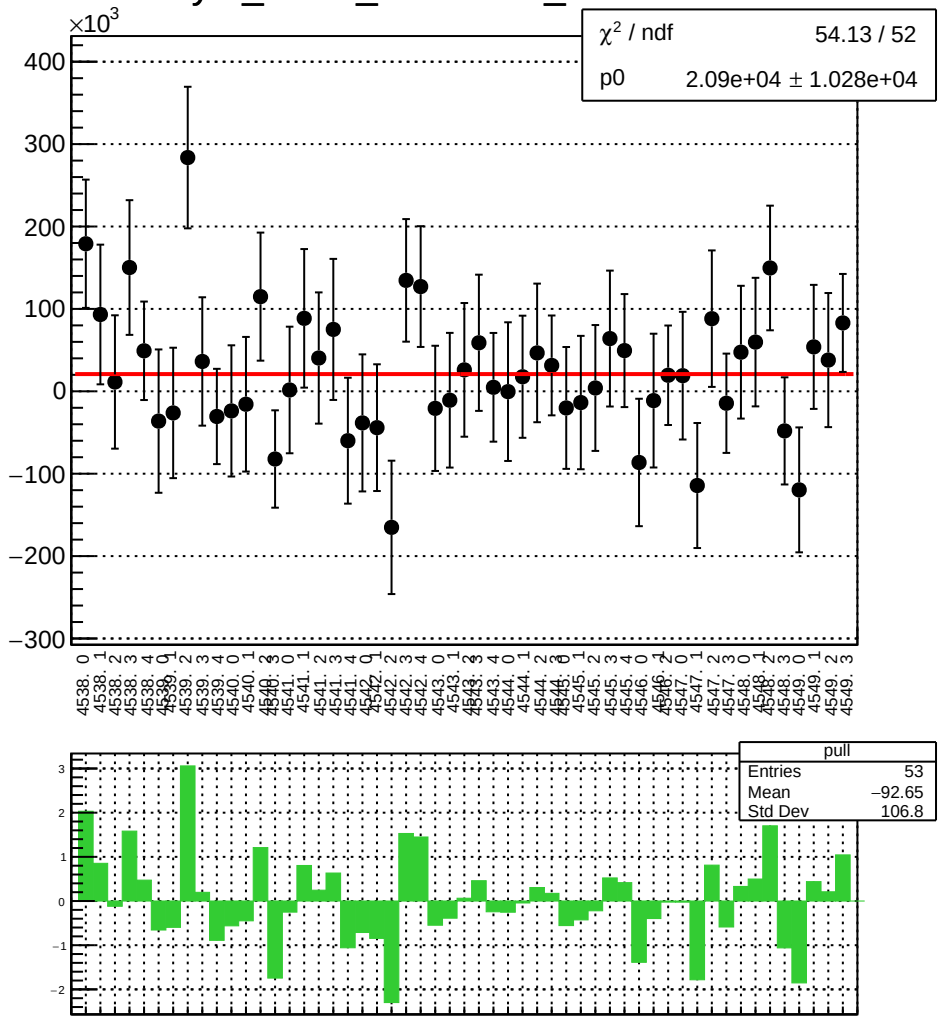

pull1D
Entries 53
Mean 0.008829
Std Dev 0.924

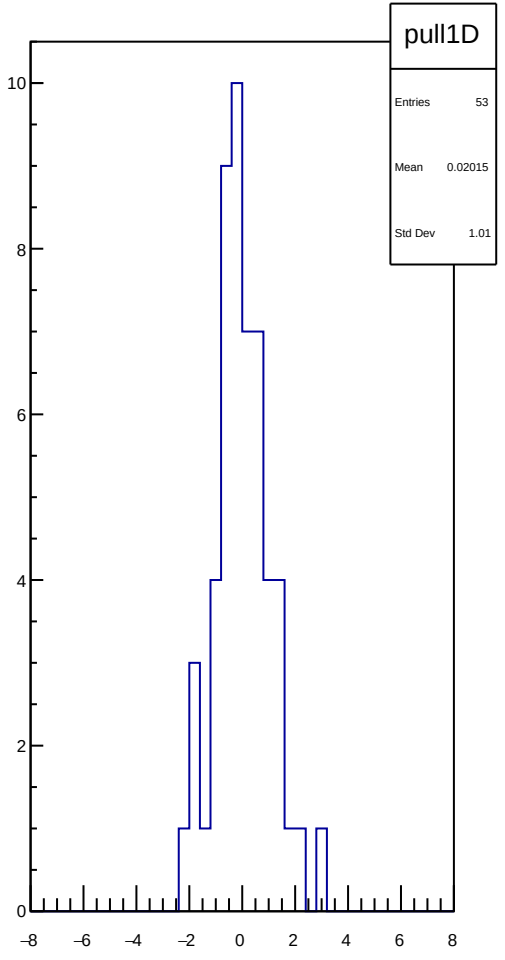

asym_sam1_correction_rms vs run
χ² / ndf 5853 / 52
p0 1286 ± 1.242
1500
1450
1400
1350
1300
1250
1200
1150
1100
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

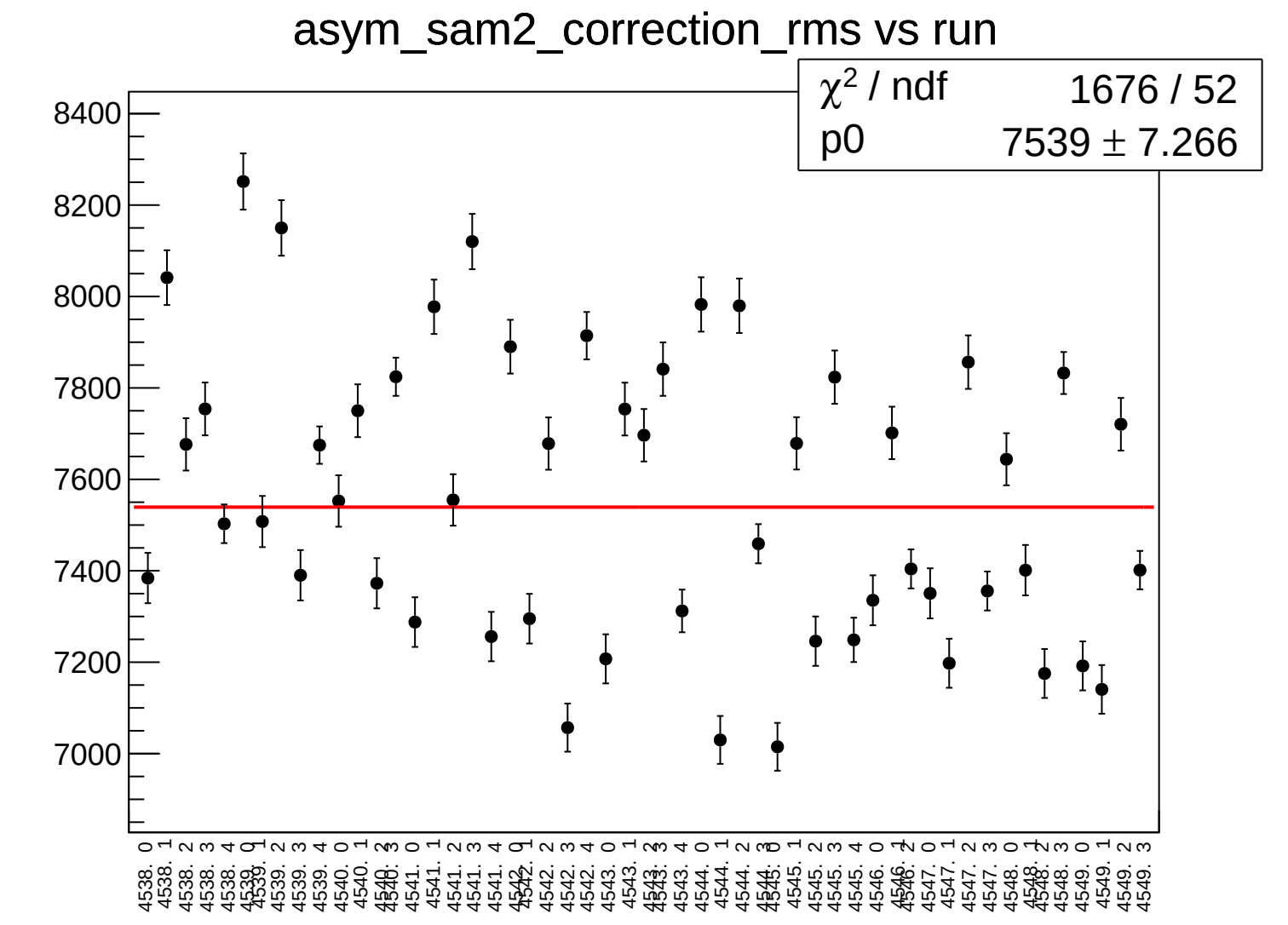

reg_asym_sam2_mean vs run
χ² / ndf 66.85 / 52
p0 −3749 ± 3437
×10³
pull
Entries 53
Mean 68.1
Std Dev 8.566

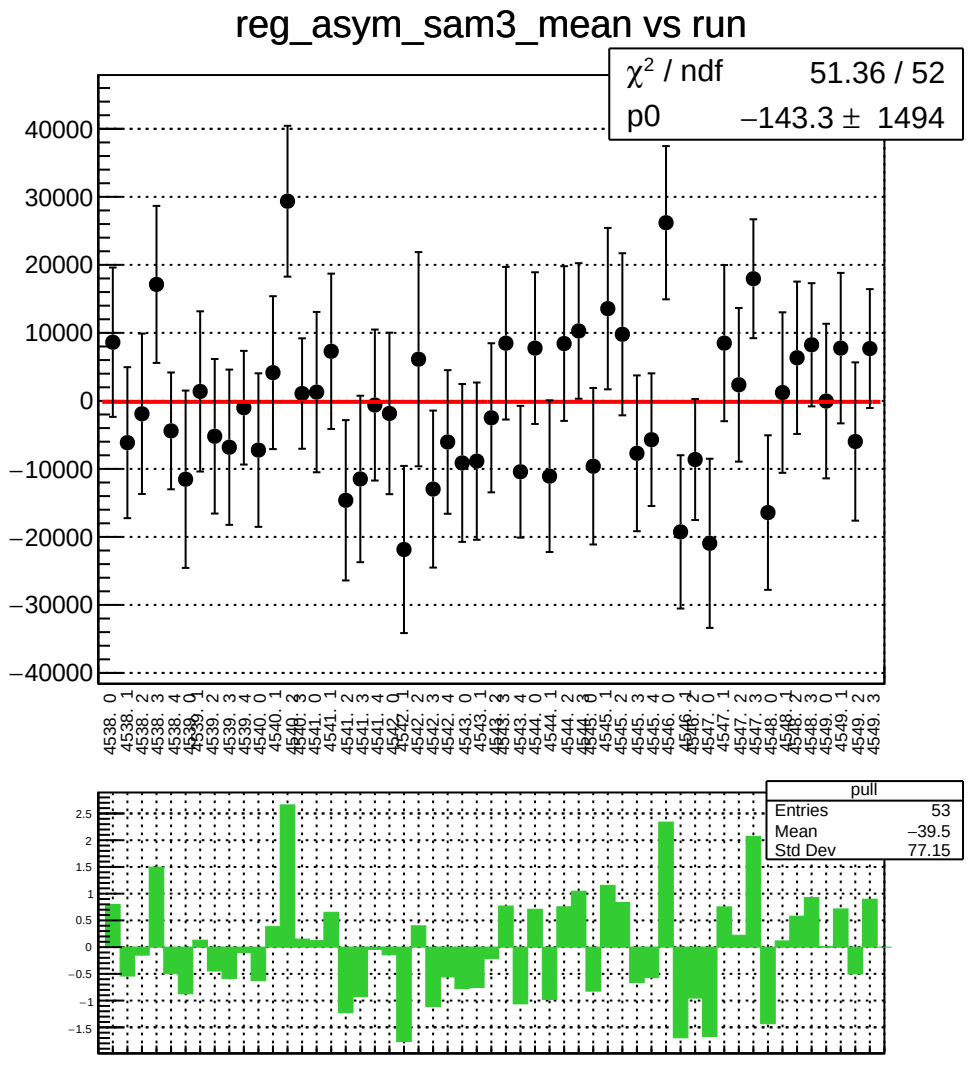

pull1D
Entries 53
Mean −0.01489
Std Dev 1.123

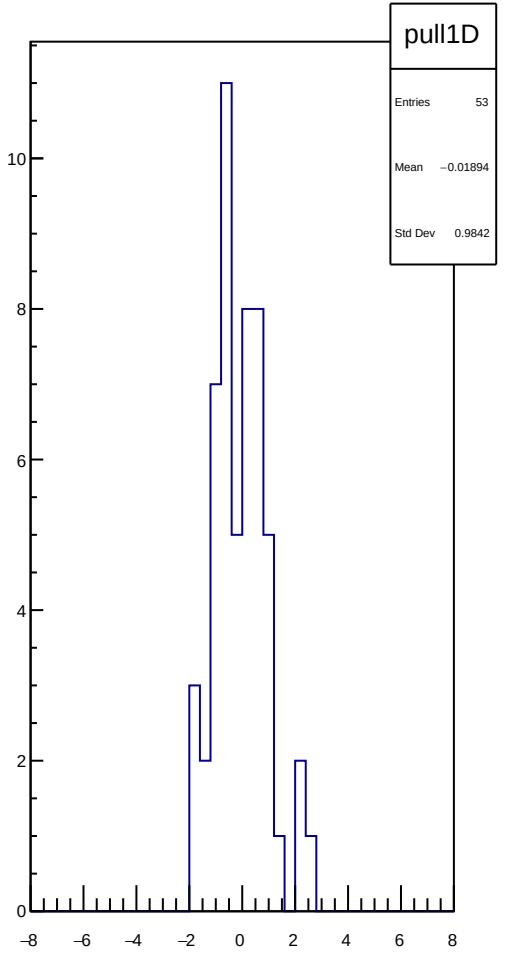

reg_asym_sam2_rms vs run
χ² / ndf 158.5 / 52
p0 2524 ± 2.43
2650
2600
2550
2500
2450
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

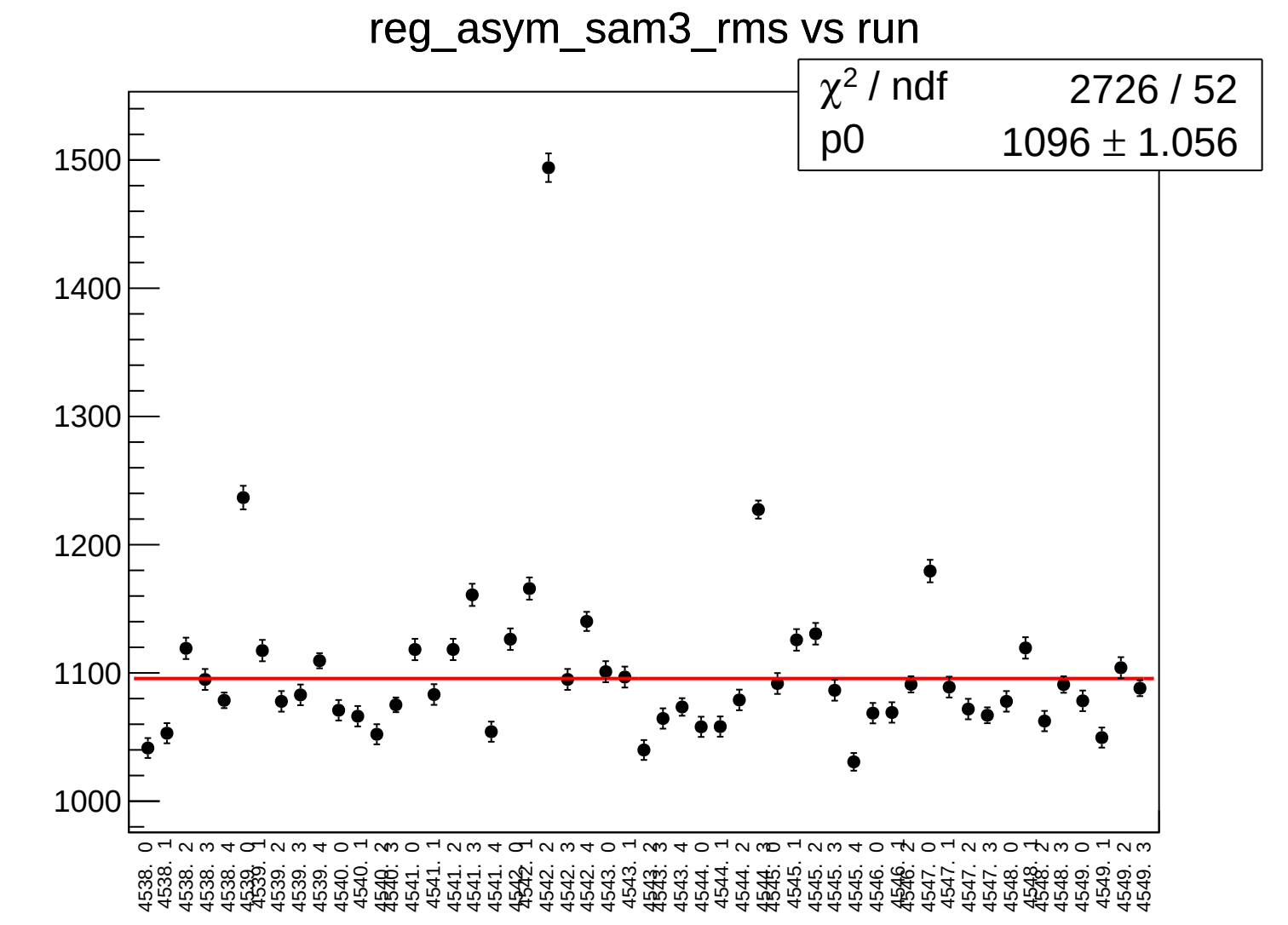

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 54.13 / 52
p0 2.09e+04 ± 1.028e+04
pull
Entries 53
Mean −92.65
Std Dev 106.8

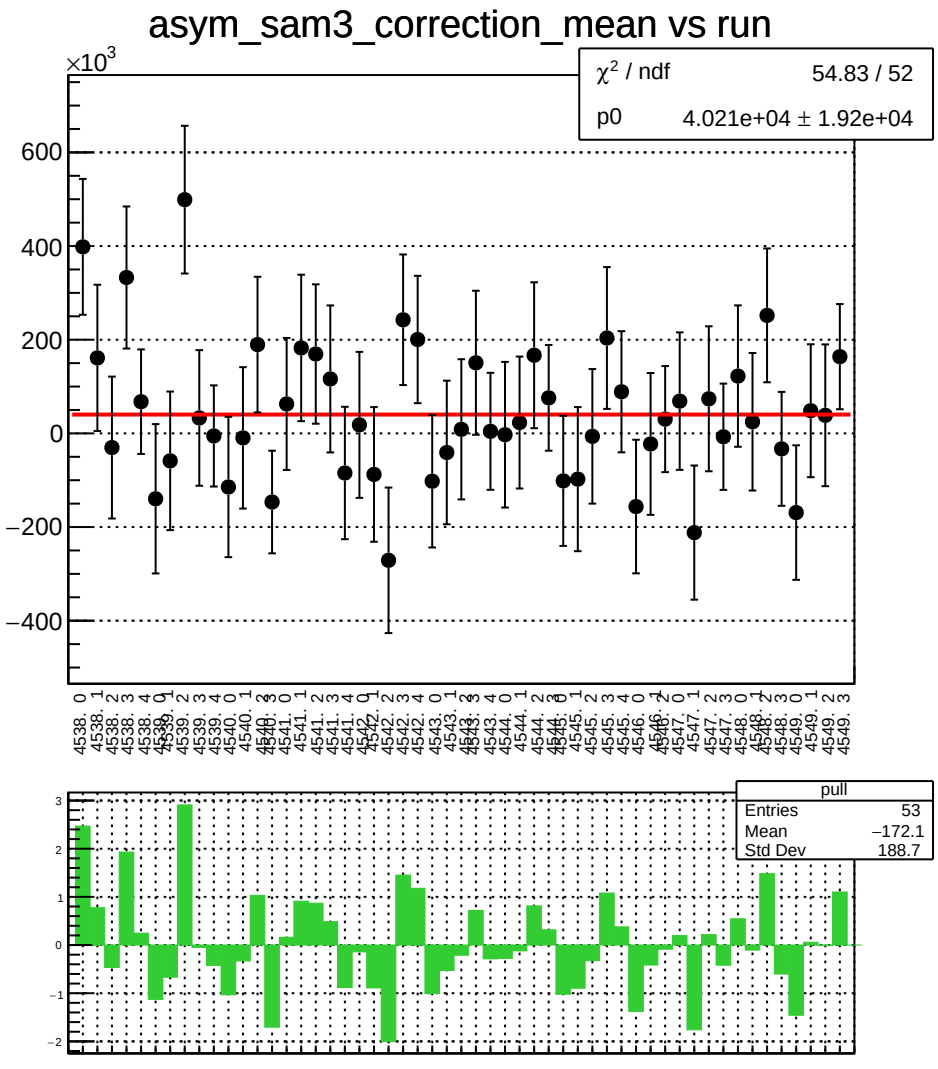

pull1D
Entries 53
Mean 0.02015
Std Dev 1.01

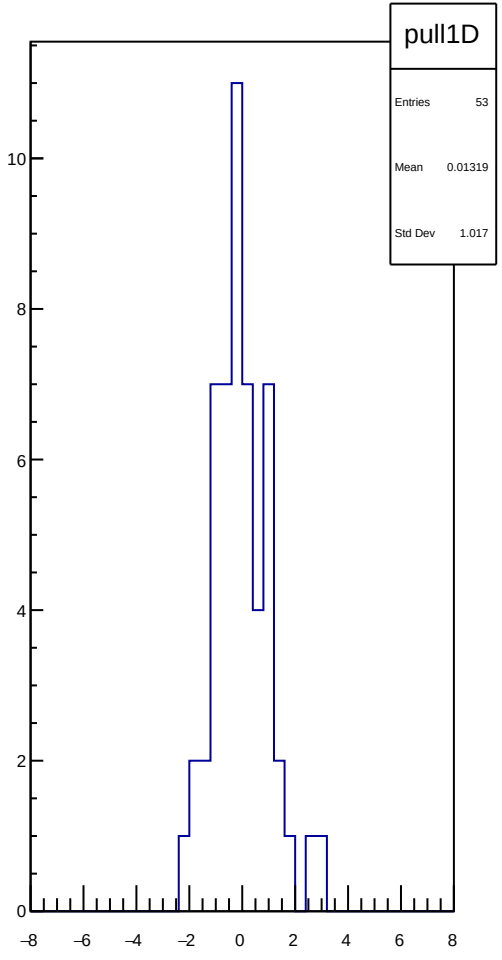

asym_sam2_correction_rms vs run
χ² / ndf 1676 / 52
p0 7539 ± 7.266
8400
8200
8000
7800
7600
7400
7200
7000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

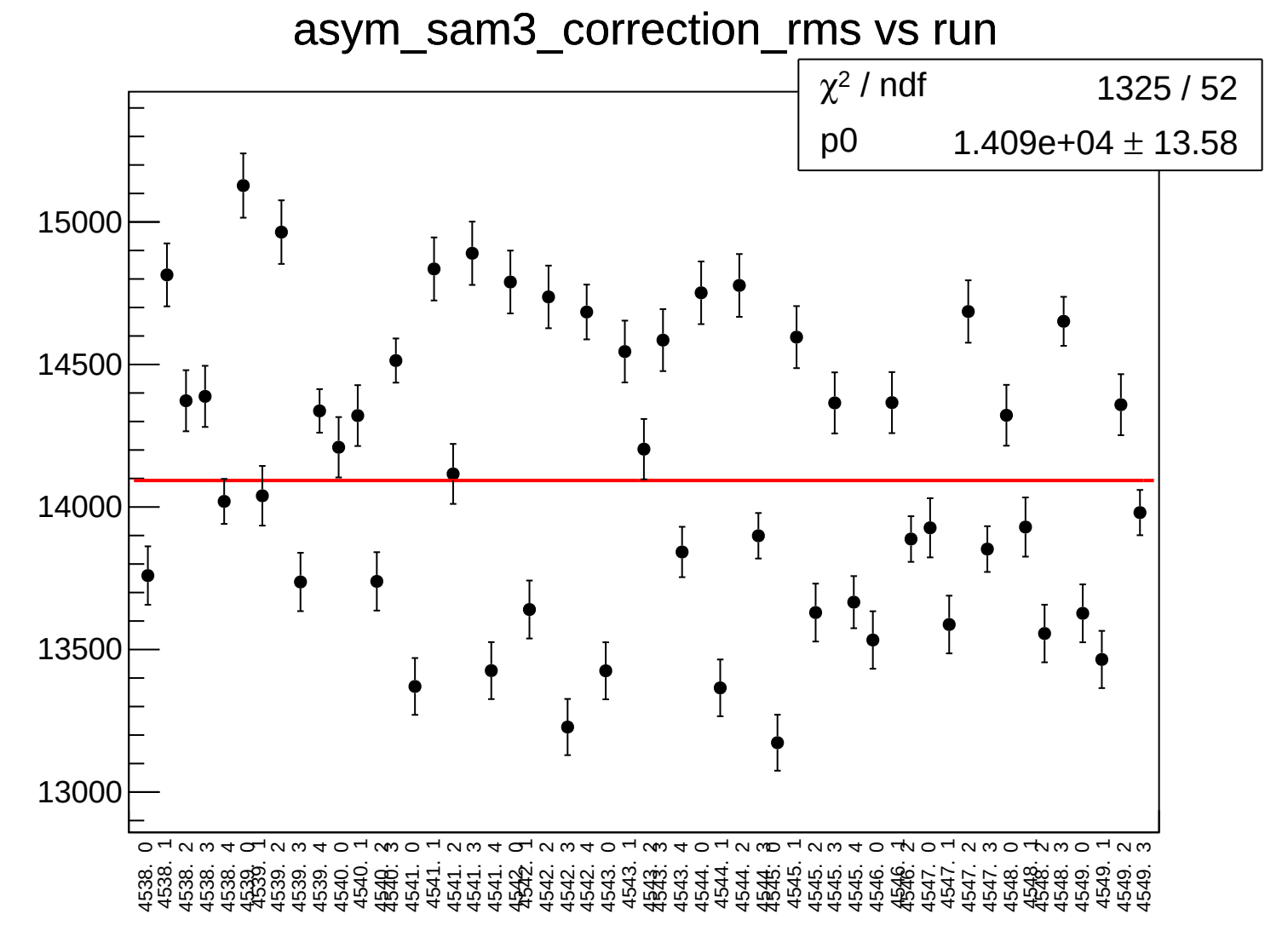

reg_asym_sam3_mean vs run
χ² / ndf 51.36 / 52
p0 −143.3 ± 1494
pull
Entries 53
Mean −39.5
Std Dev 77.15


pull1D
Entries 53
Mean −0.01894
Std Dev 0.9842


reg_asym_sam3_rms vs run
χ² / ndf 2726 / 52
p0 1096 ± 1.056
1500
1400
1300
1200
1100
1000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3


asym_sam3_correction_mean vs run
×10^3
χ² / ndf 54.83 / 52
p0 4.021e+04 ± 1.92e+04
600
400
200
0
−200
−400
pull
Entries 53
Mean −172.1
Std Dev 188.7
3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.01319
Std Dev 1.017
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_correction_rms vs run
χ² / ndf 1325 / 52
p0 1.409e+04 ± 13.58
15000
14500
14000
13500
13000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
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4545. 1
4545. 2
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4547. 2
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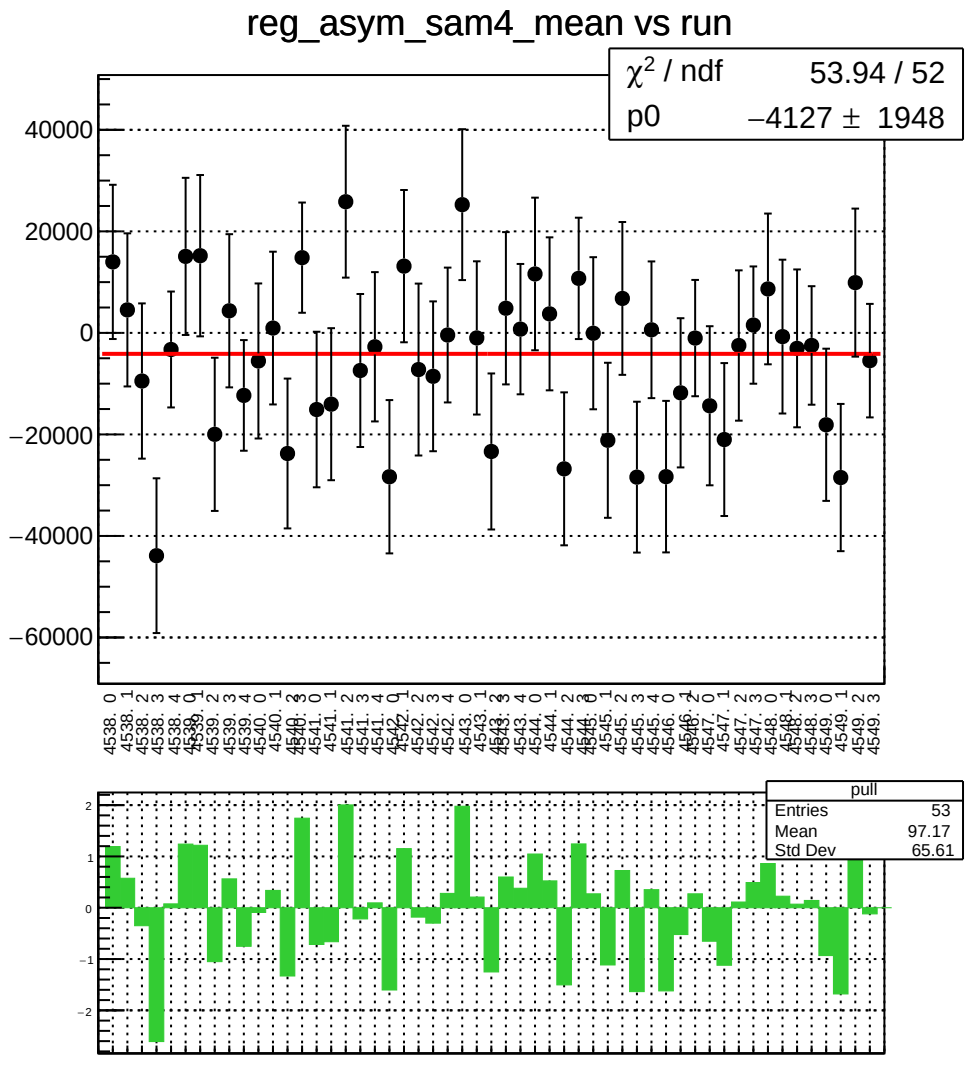
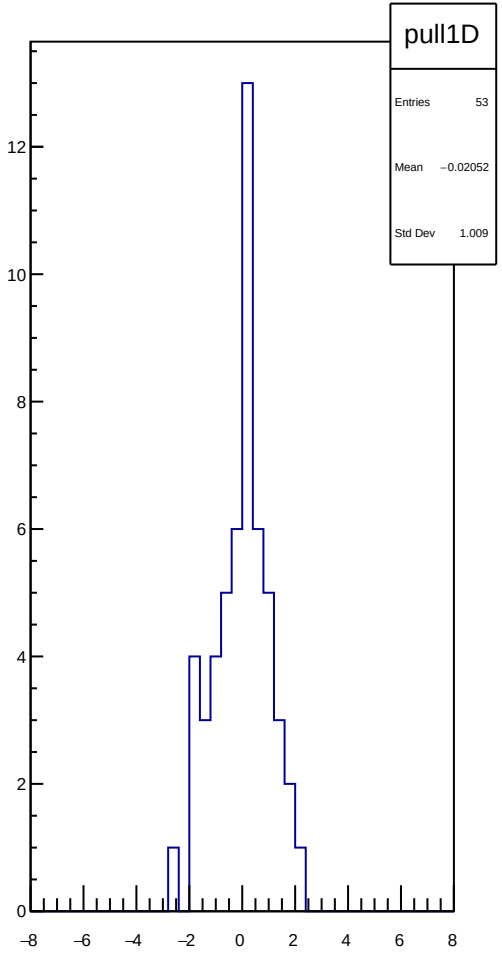
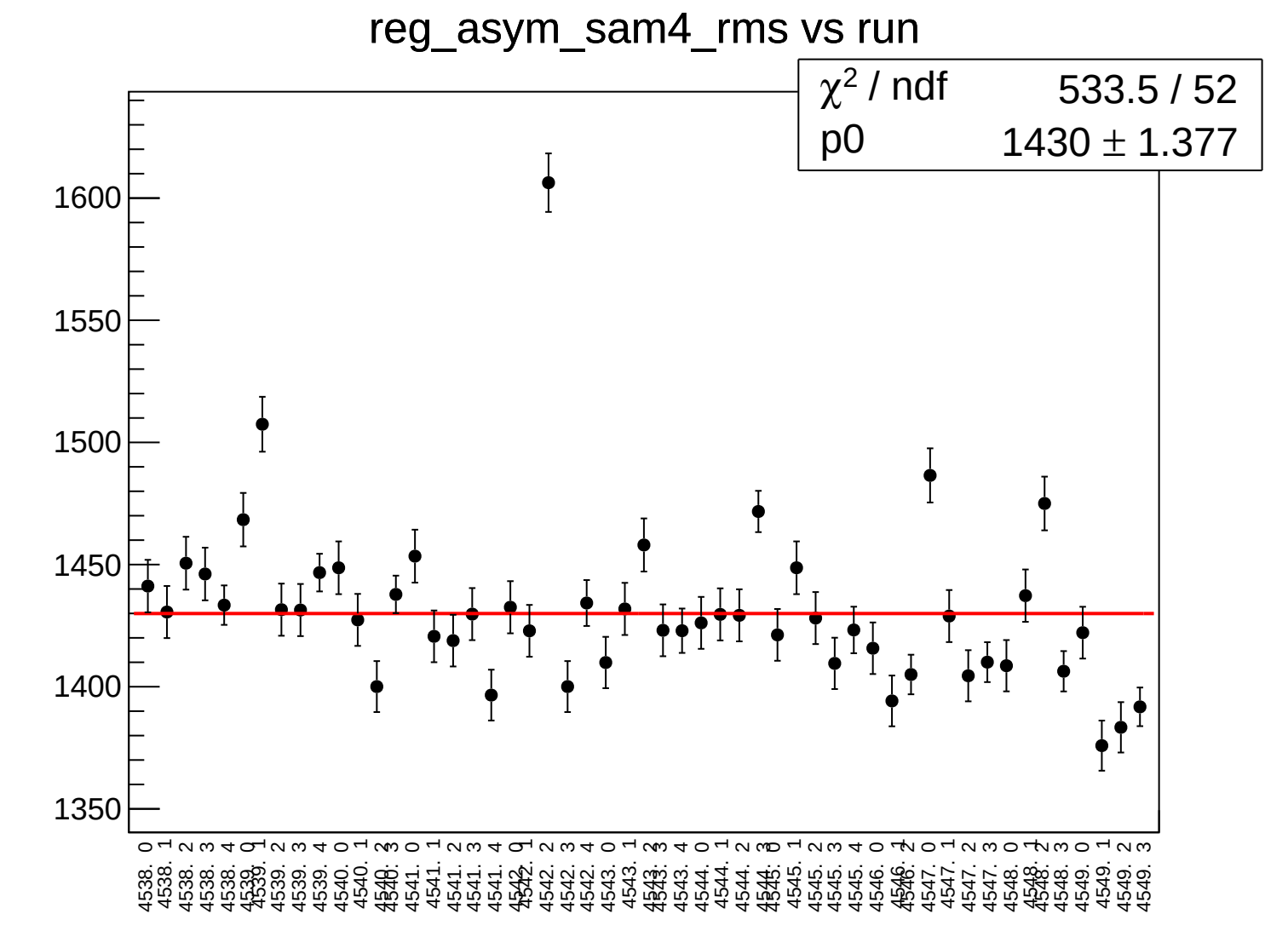
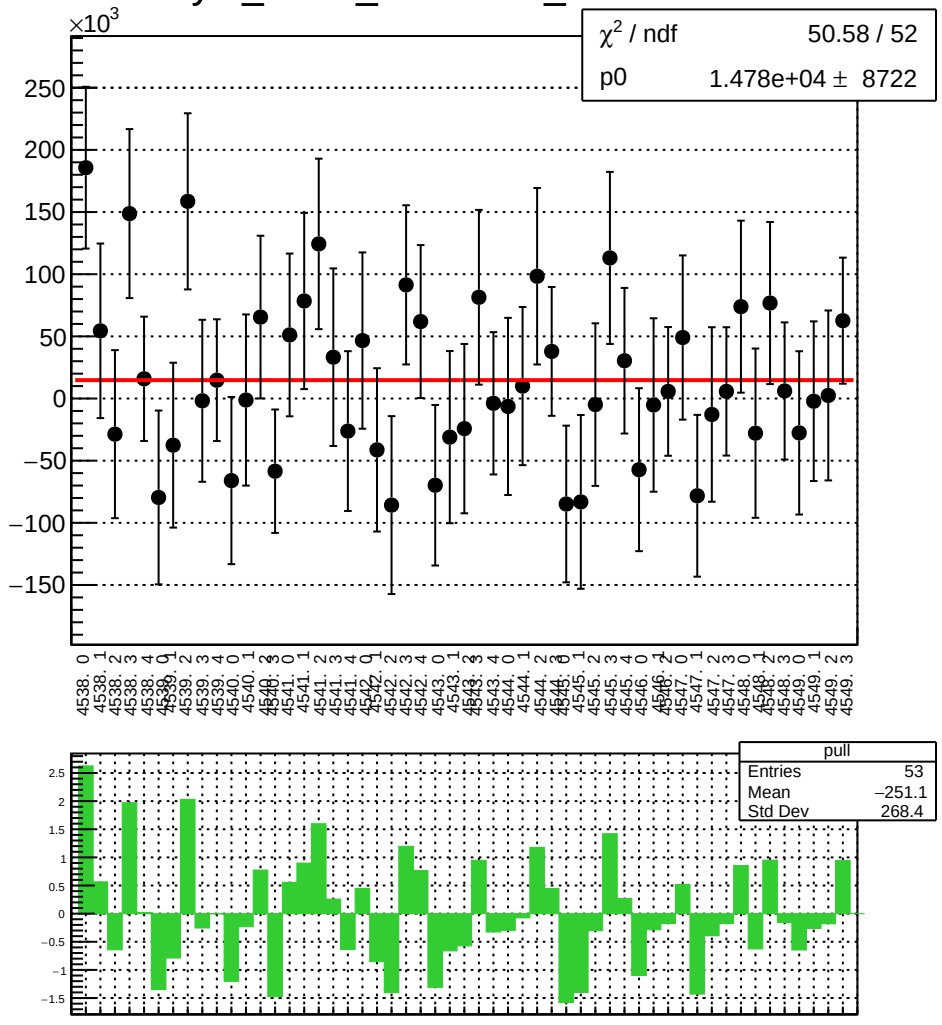
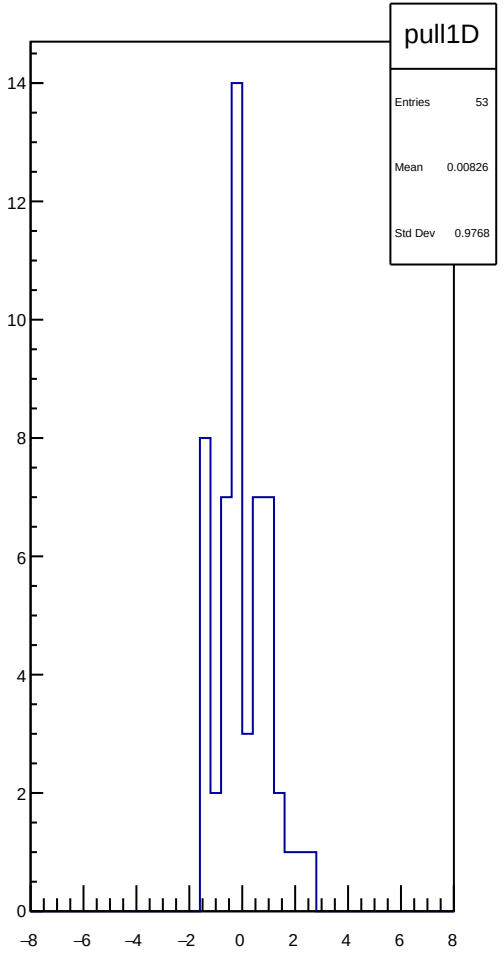
4549. 1
4549. 2
4549. 3

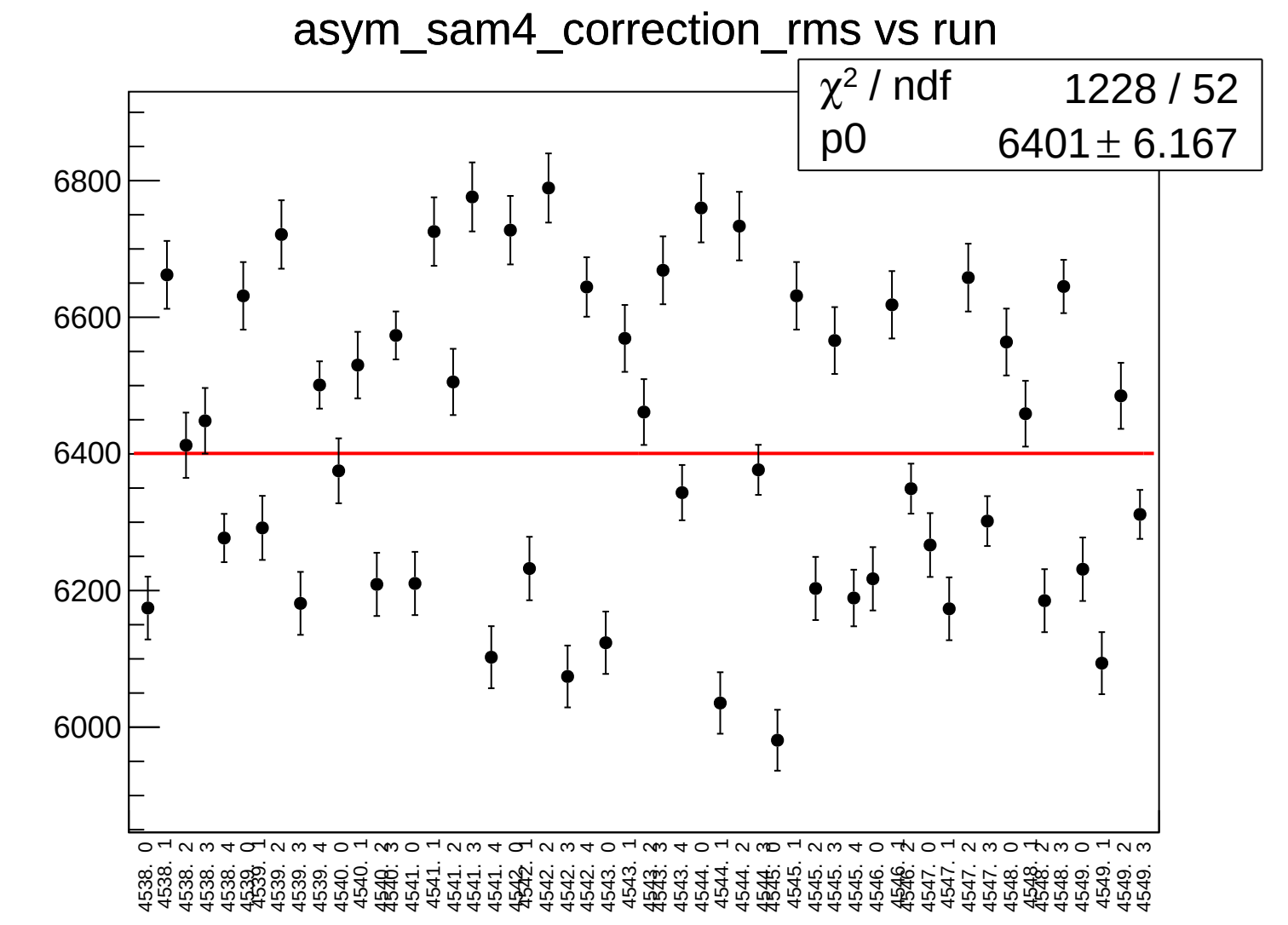

reg_asym_sam4_mean vs run
χ² / ndf 53.94 / 52
p0 −4127 ± 1948
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 97.17
Std Dev 65.61
2
1
0
−1
−2

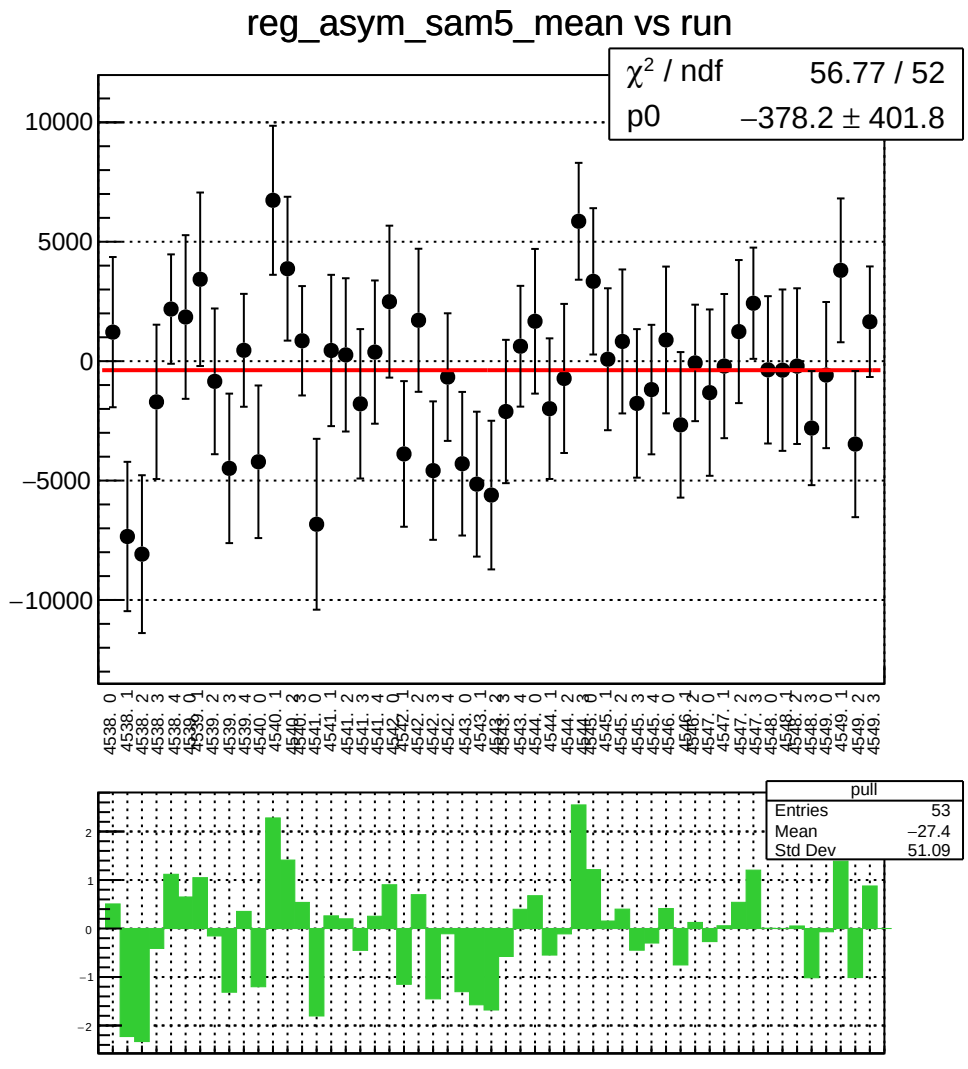

pull1D
Entries 53
Mean −0.02052
Std Dev 1.009
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

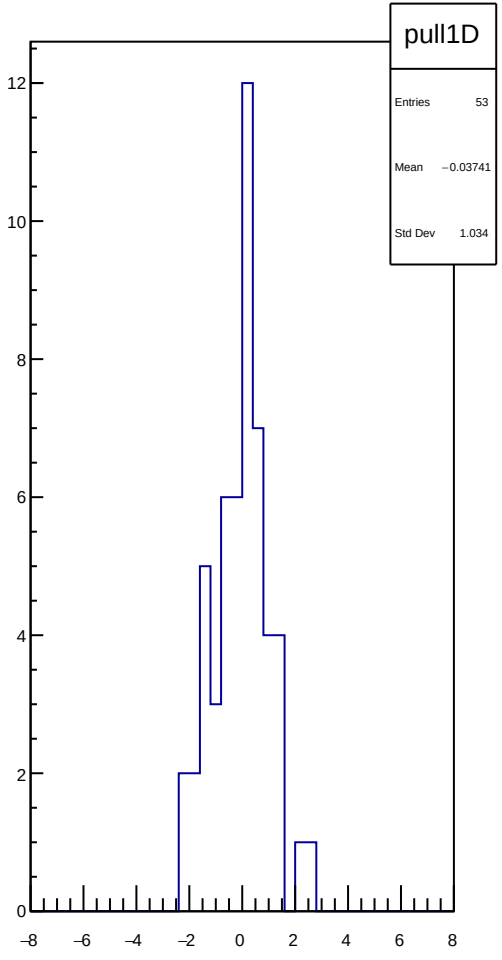

reg_asym_sam4_rms vs run
χ² / ndf 533.5 / 52
p0 1430 ± 1.377
1600
1550
1500
1450
1400
1350
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

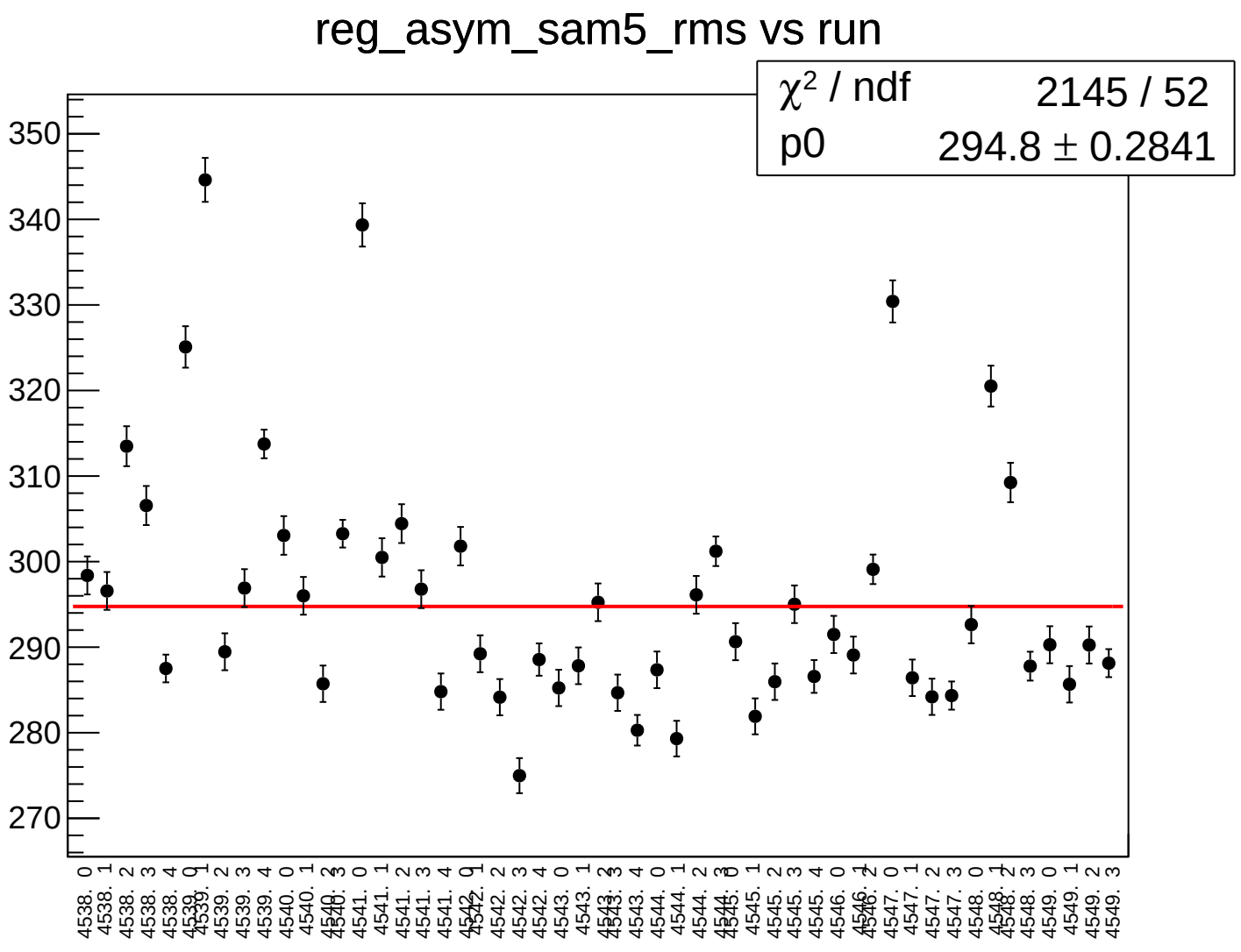

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 50.58 / 52
p0 1.478e+04 ± 8722
pull
Entries 53
Mean −251.1
Std Dev 268.4

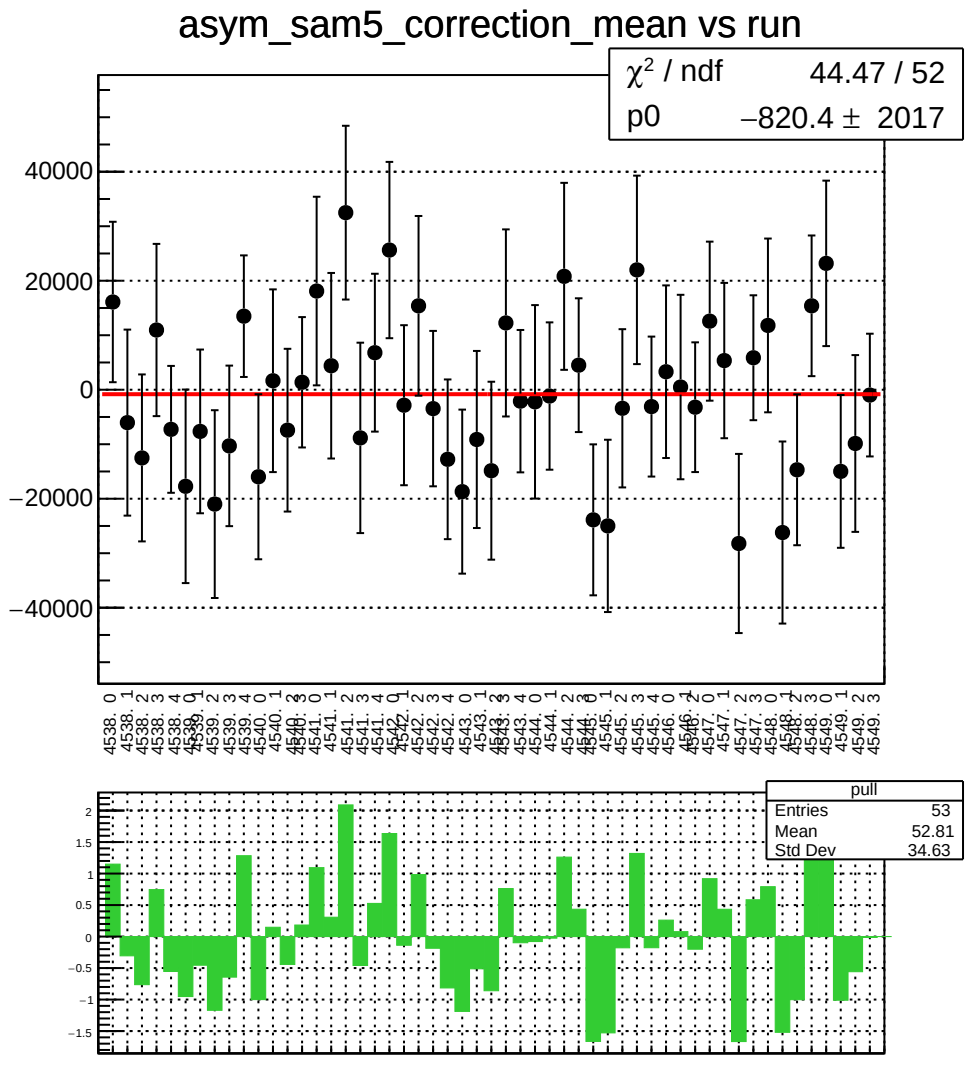

pull1D
Entries 53
Mean 0.00826
Std Dev 0.9768

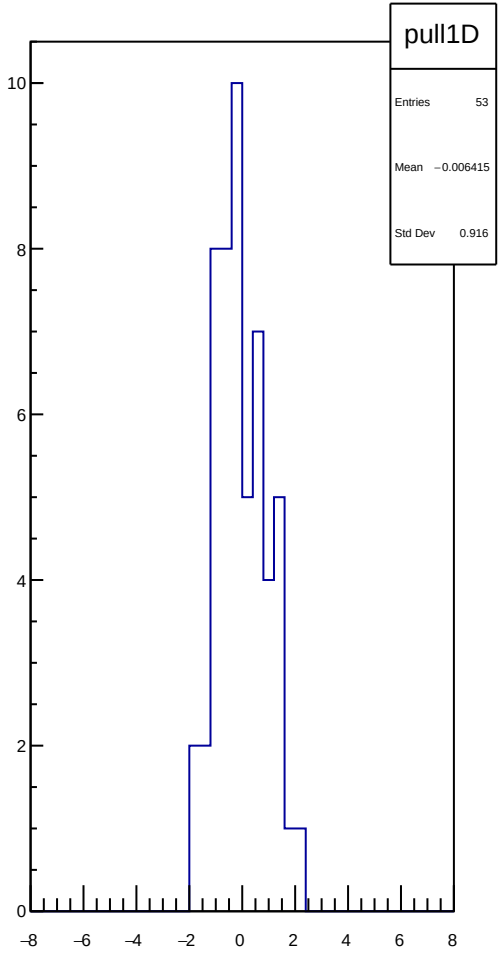

asym_sam4_correction_rms vs run
χ² / ndf 1228 / 52
p0 6401 ± 6.167
6800
6600
6400
6200
6000
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

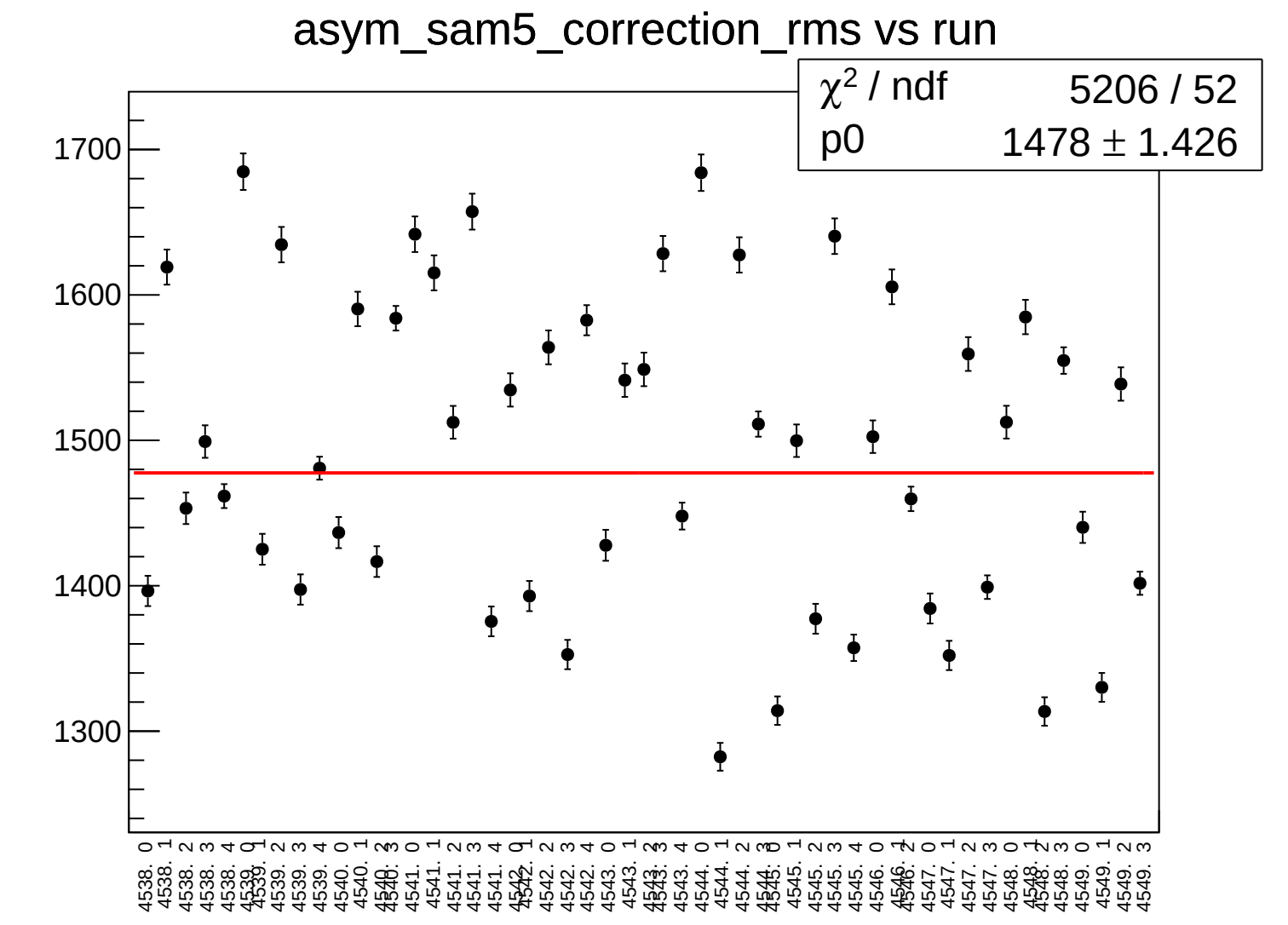

reg_asym_sam5_mean vs run
χ² / ndf 56.77 / 52
p0 −378.2 ± 401.8
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −27.4
Std Dev 51.09
2
1
0
−1
−2

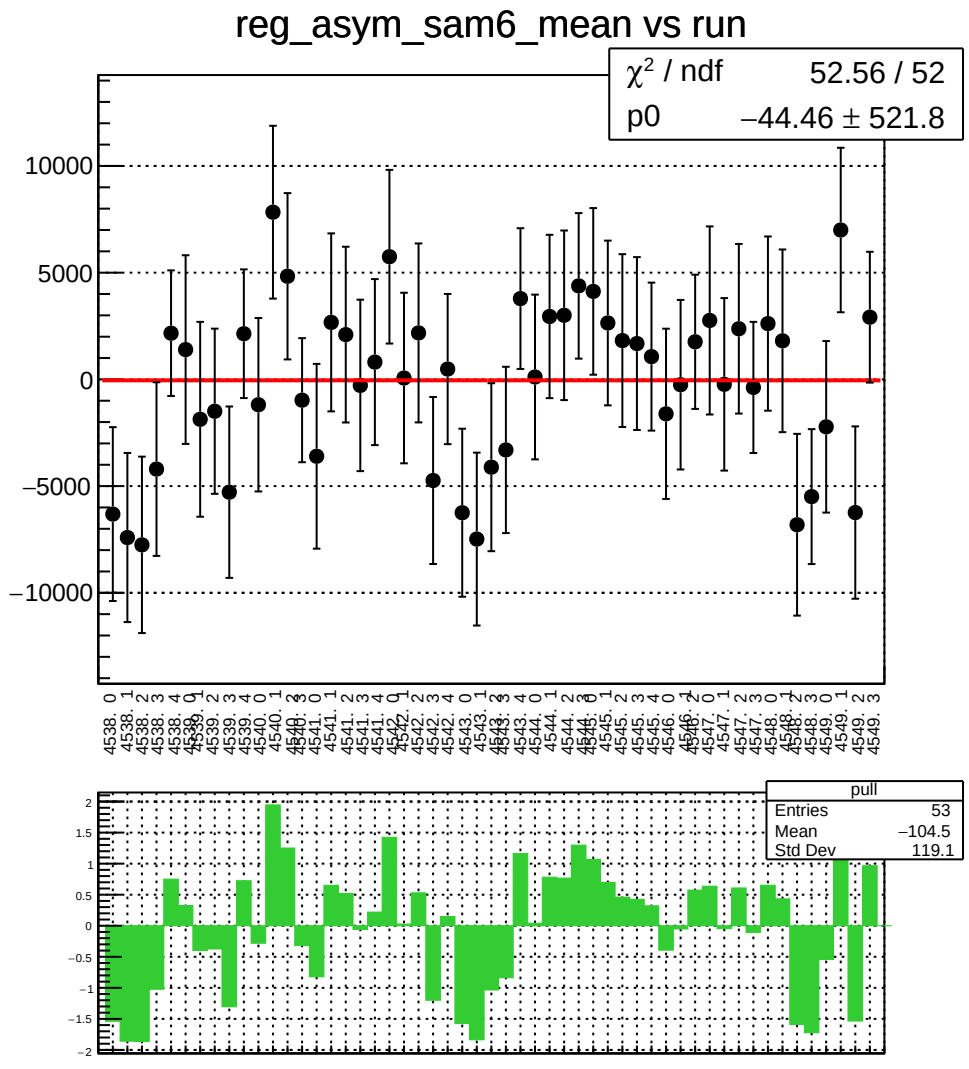

pull1D
Entries 53
Mean −0.03741
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

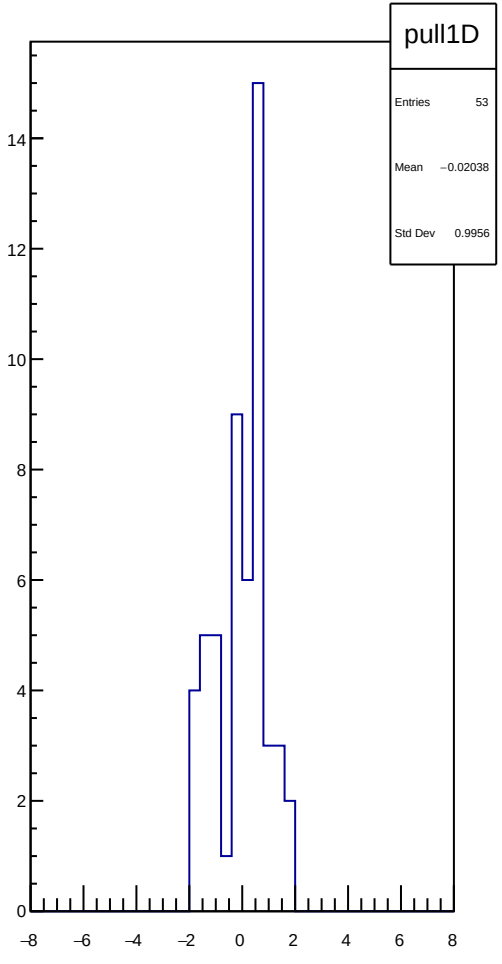

reg_asym_sam5_rms vs run
χ² / ndf 2145 / 52
p0 294.8 ± 0.2841
350
340
330
320
310
300
290
280
270
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

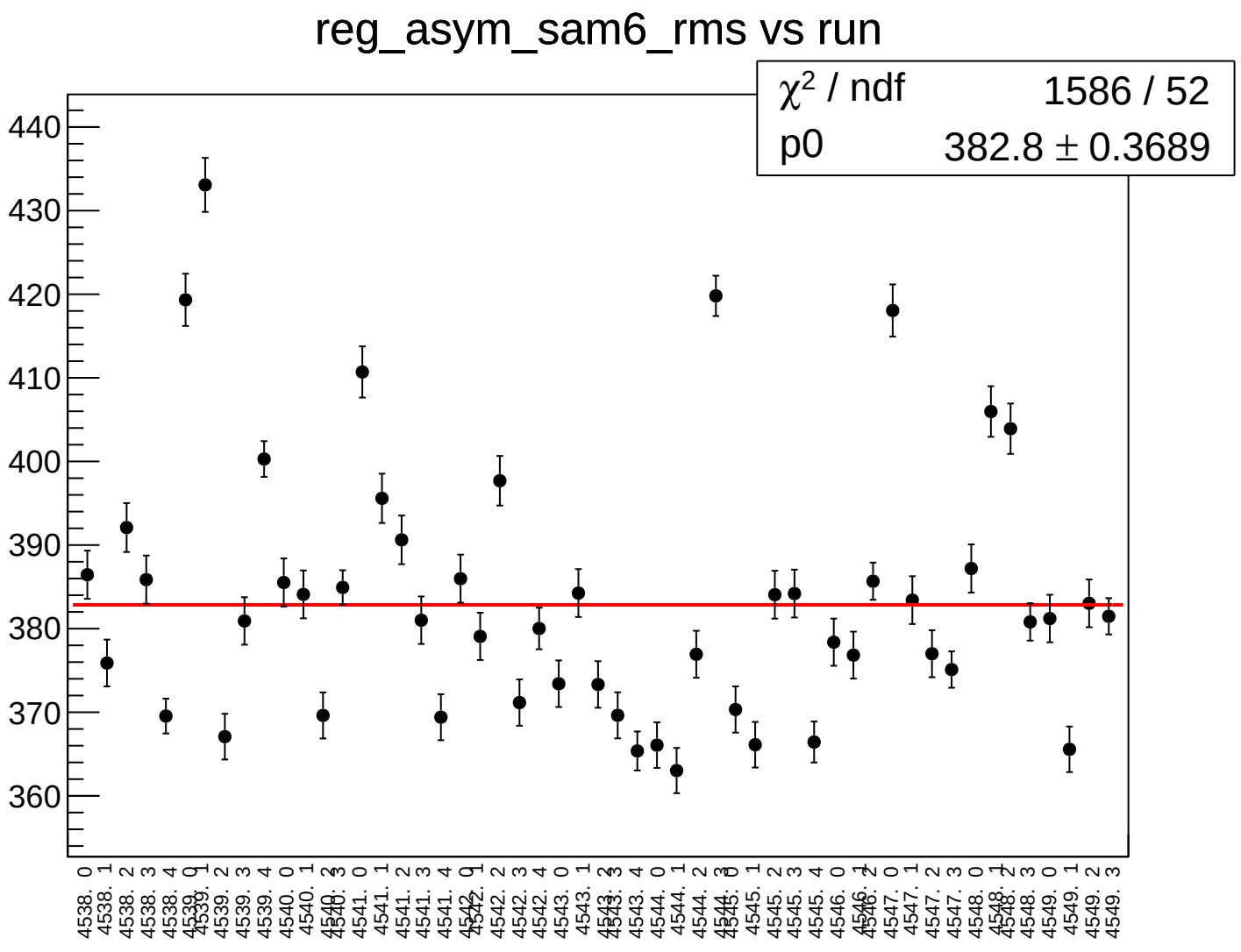

asym_sam5_correction_mean vs run
χ² / ndf 44.47 / 52
p0 −820.4 ± 2017
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 52.81
Std Dev 34.63
2
1.5
1
0.5
0
−0.5
−1
−1.5

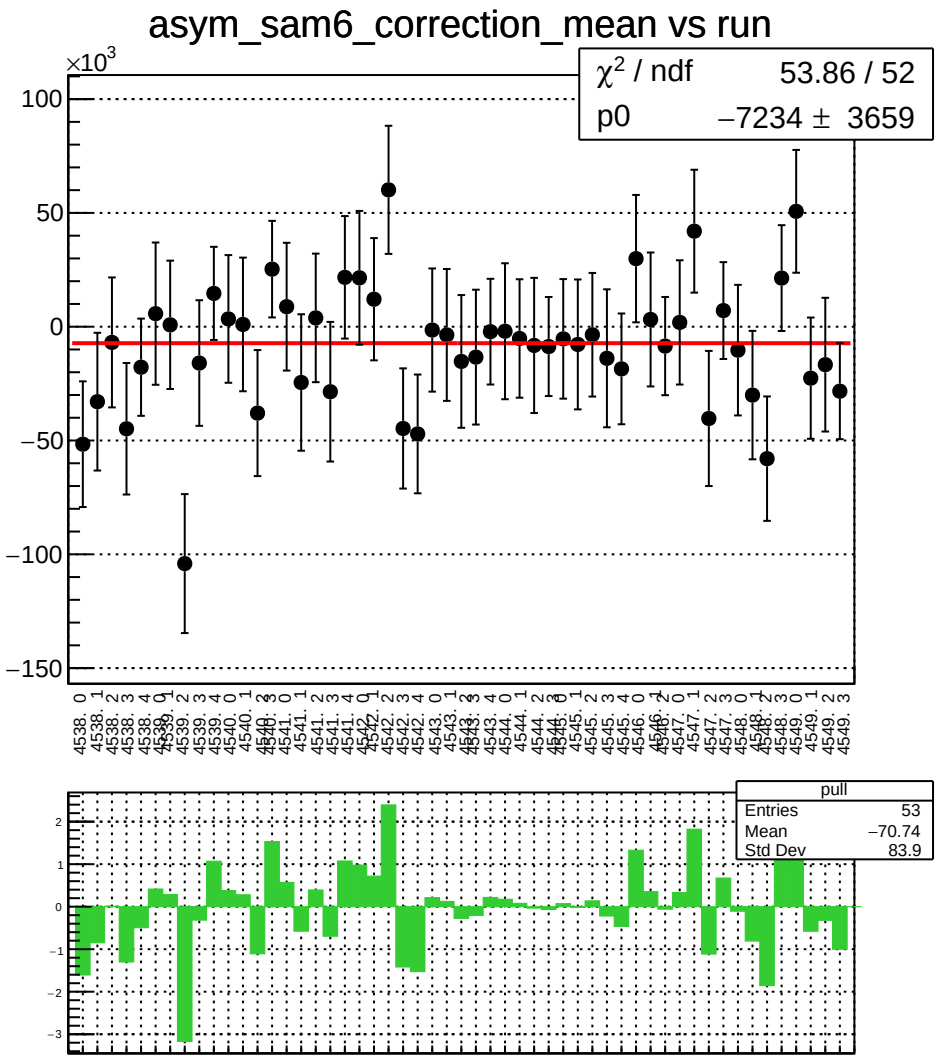

pull1D
Entries 53
Mean −0.006415
Std Dev 0.916
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

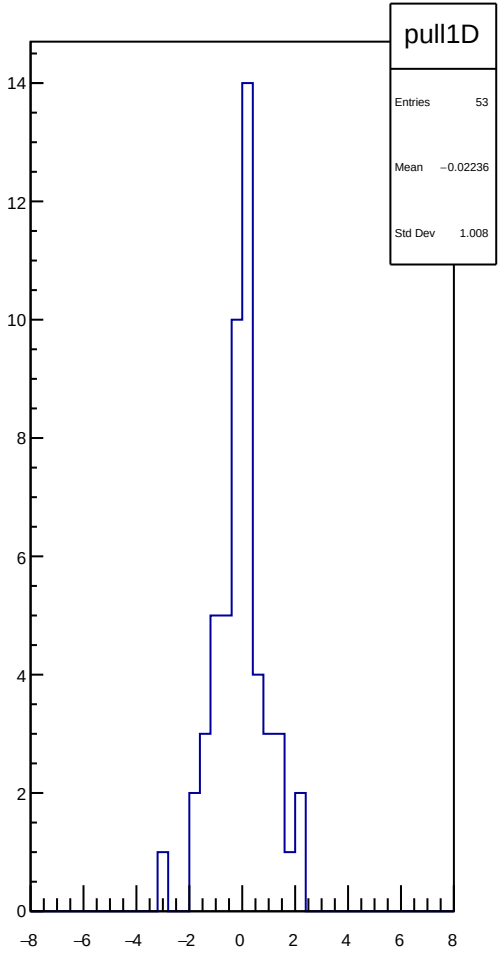

asym_sam5_correction_rms vs run
χ² / ndf 5206 / 52
p0 1478 ± 1.426
1700
1600
1500
1400
1300
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

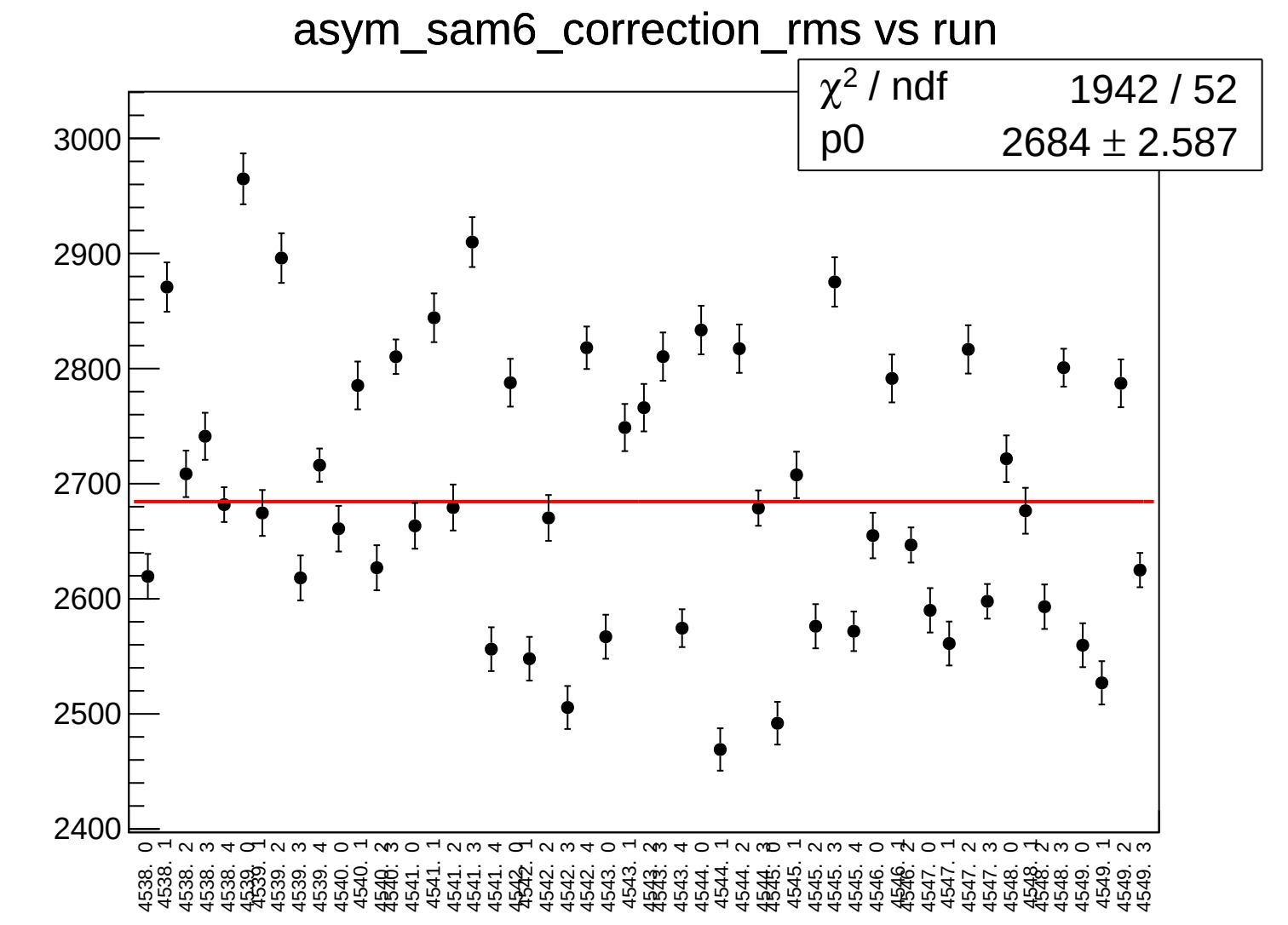

reg_asym_sam6_mean vs run
χ² / ndf 52.56 / 52
p0 −44.46 ± 521.8
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −104.5
Std Dev 119.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

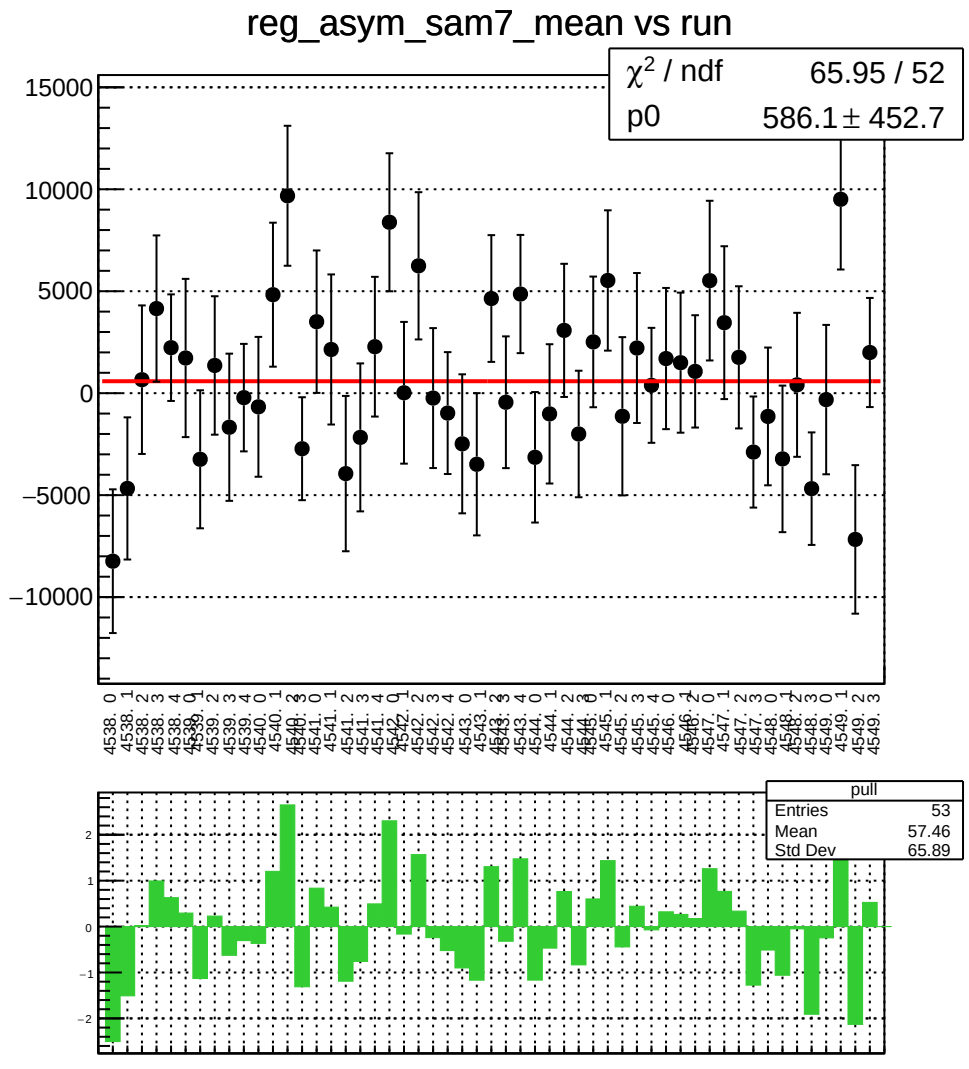

pull1D
Entries 53
Mean −0.02038
Std Dev 0.9956
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

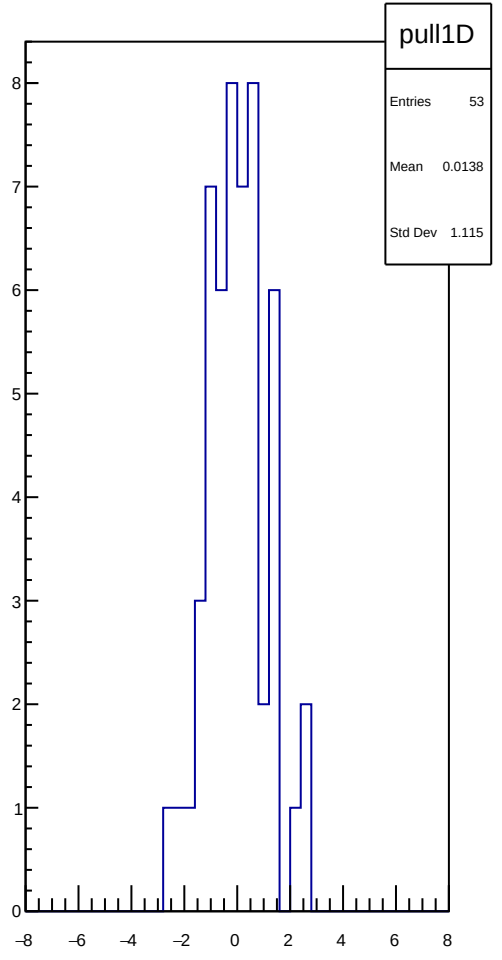

reg_asym_sam6_rms vs run
χ² / ndf 1586 / 52
p0 382.8 ± 0.3689
440
430
420
410
400
390
380
370
360
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

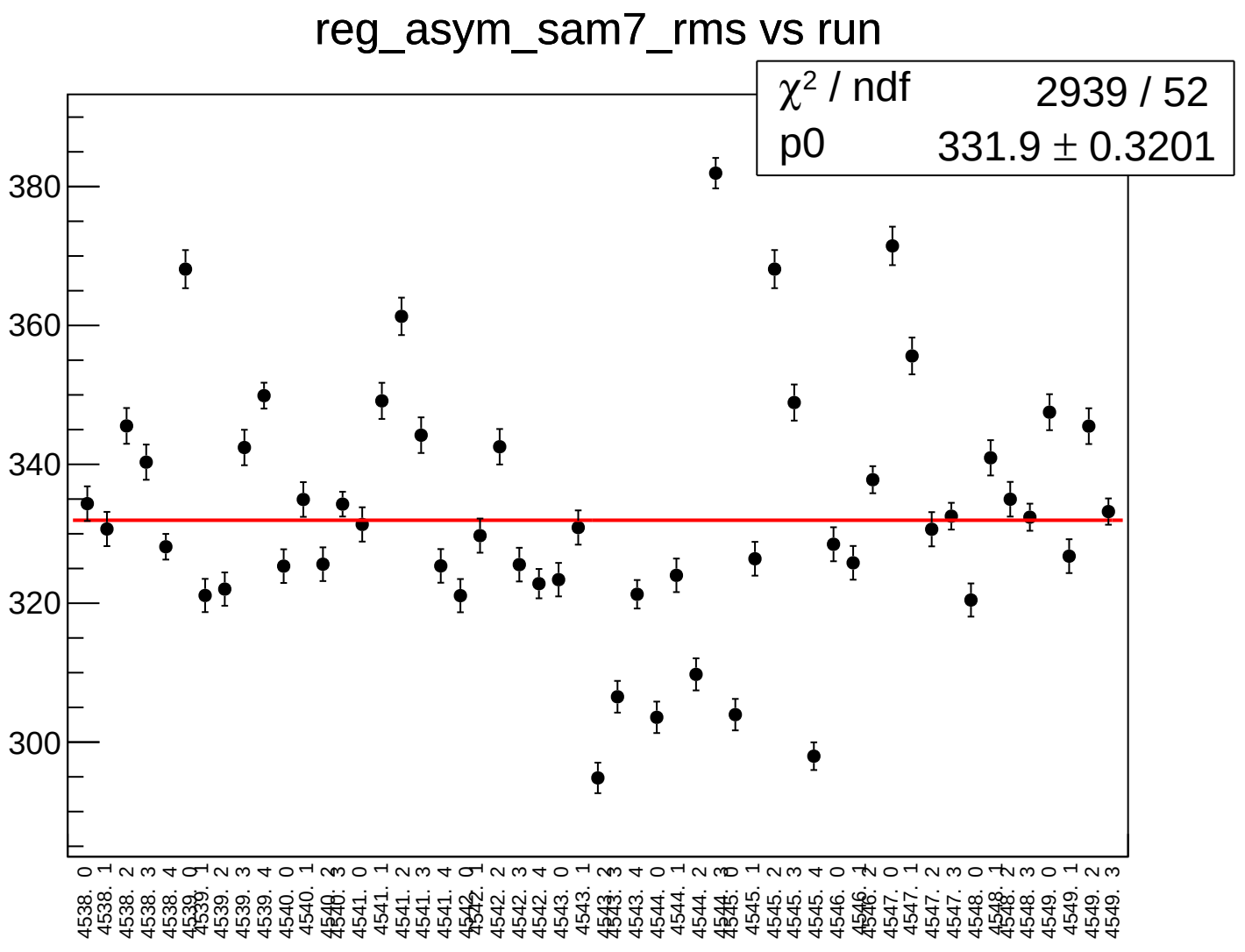

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 53.86 / 52
p0 −7234 ± 3659
pull
Entries 53
Mean −70.74
Std Dev 83.9

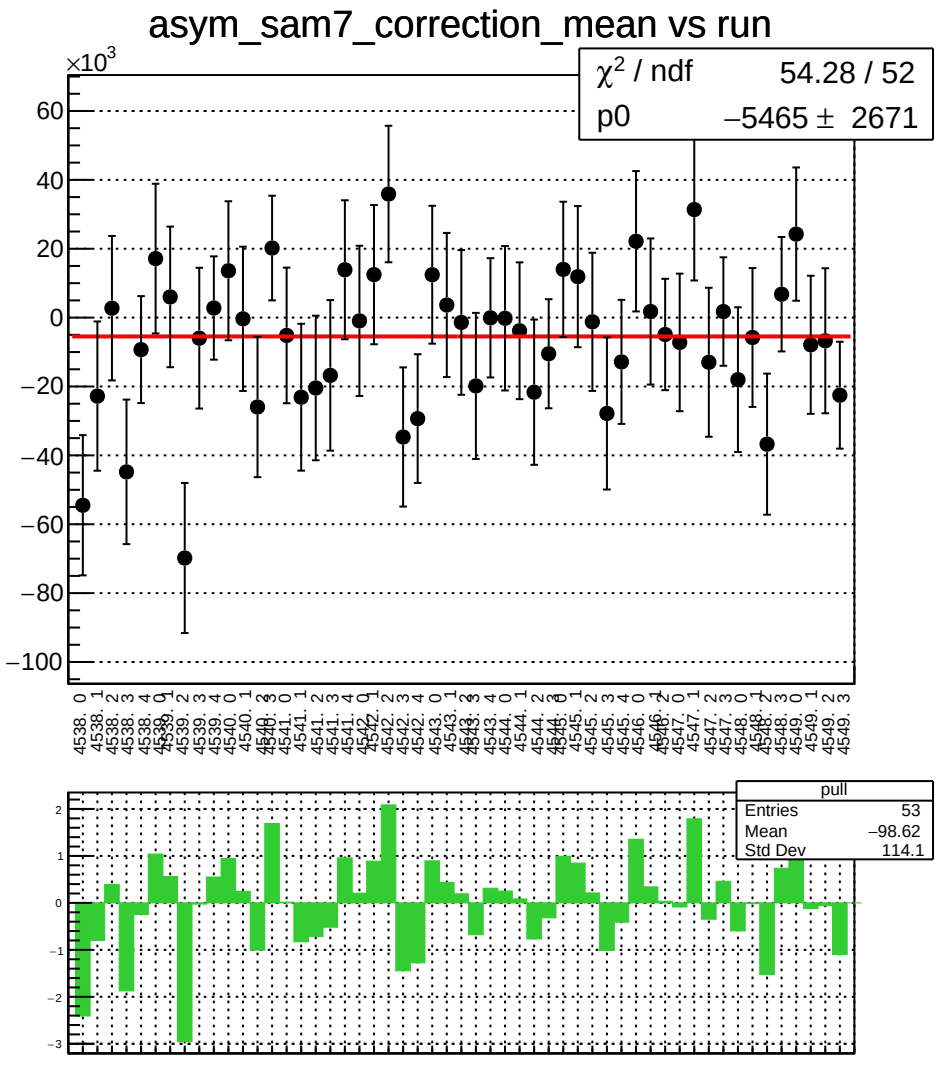

pull1D
Entries 53
Mean −0.02236
Std Dev 1.008

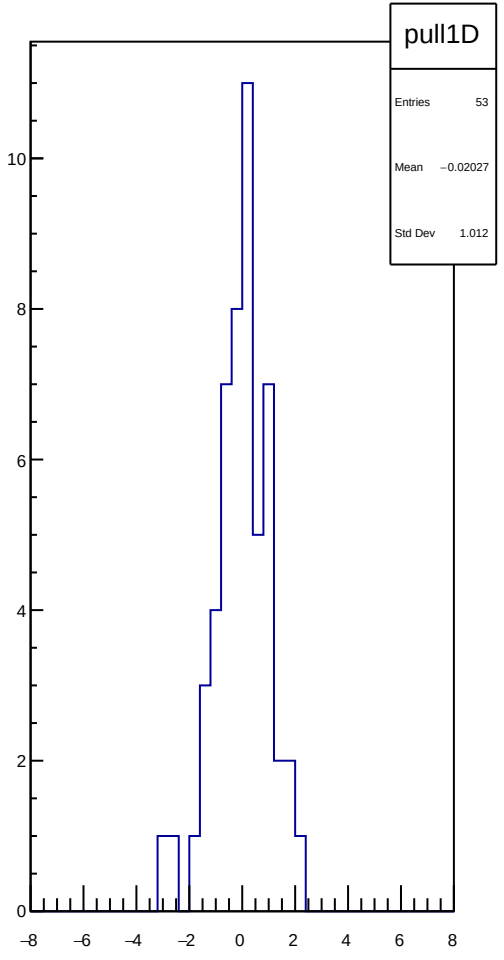

asym_sam6_correction_rms vs run
χ² / ndf 1942 / 52
p0 2684 ± 2.587
3000
2900
2800
2700
2600
2500
2400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

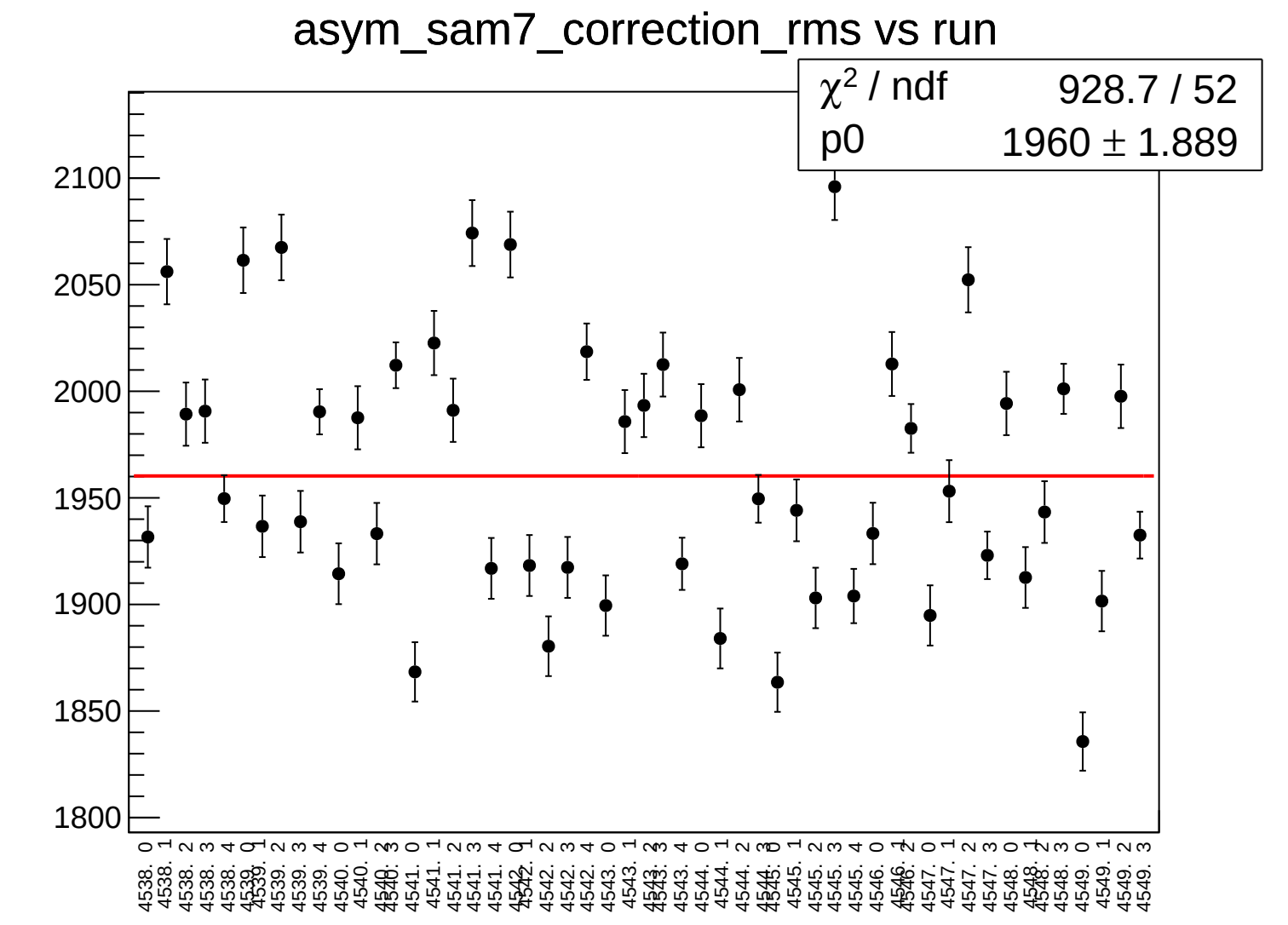

reg_asym_sam7_mean vs run
χ² / ndf 65.95 / 52
p0 586.1 ± 452.7
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 57.46
Std Dev 65.89
2
1
0
−1
−2

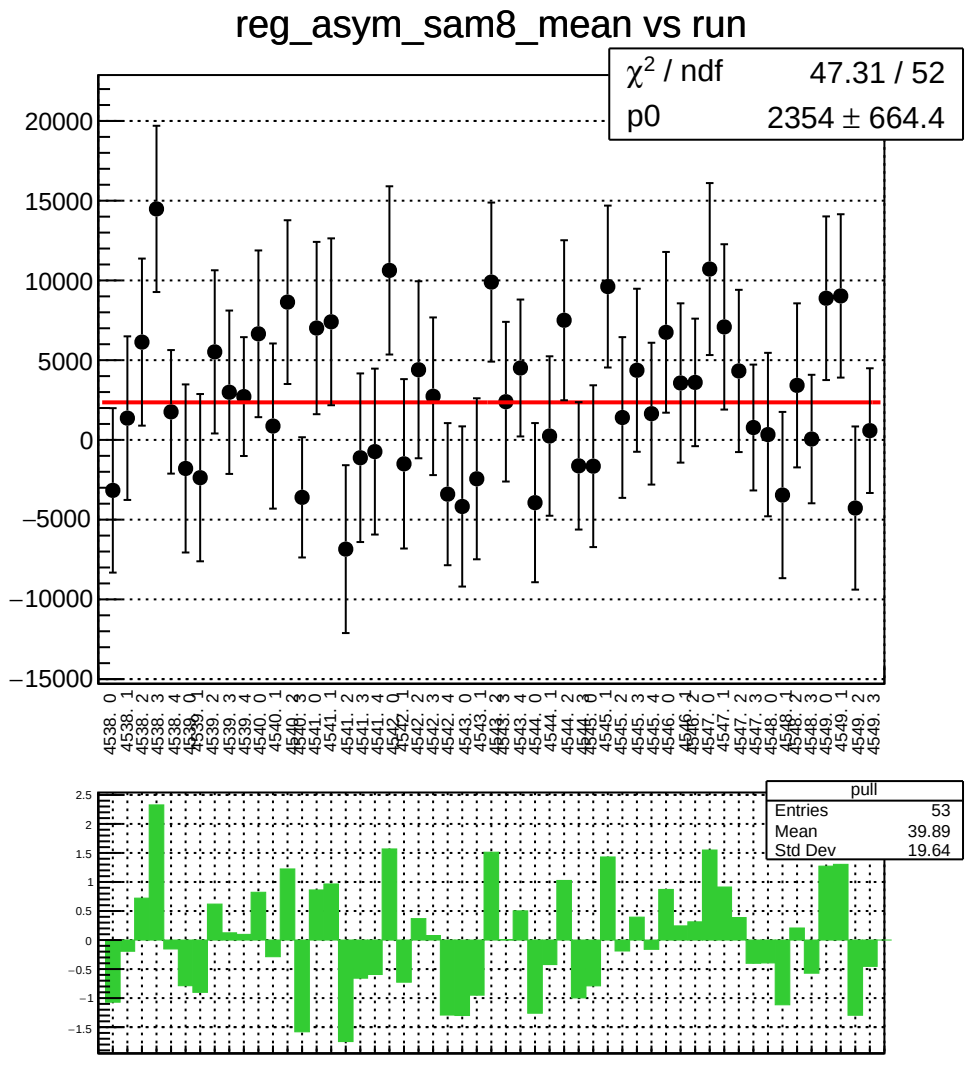

pull1D
Entries 53
Mean 0.0138
Std Dev 1.115
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

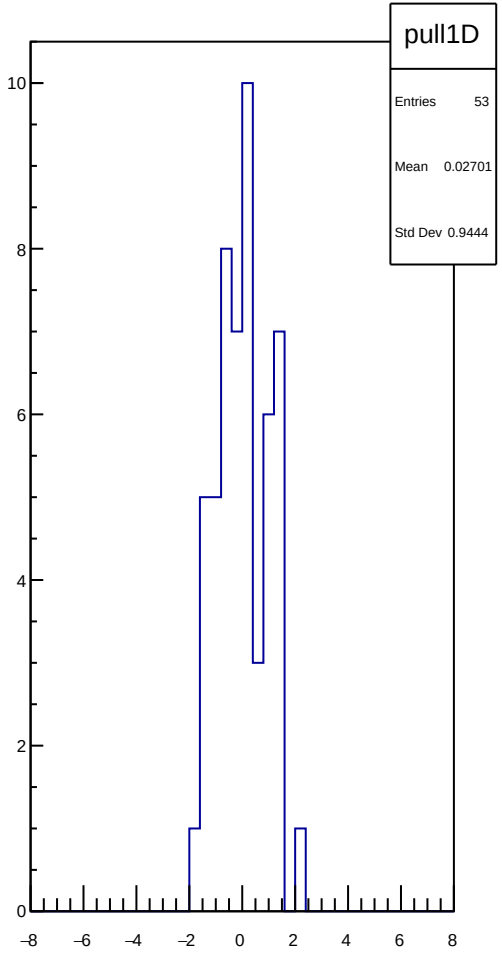

reg_asym_sam7_rms vs run
χ² / ndf 2939 / 52
p0 331.9 ± 0.3201
380
360
340
320
300
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

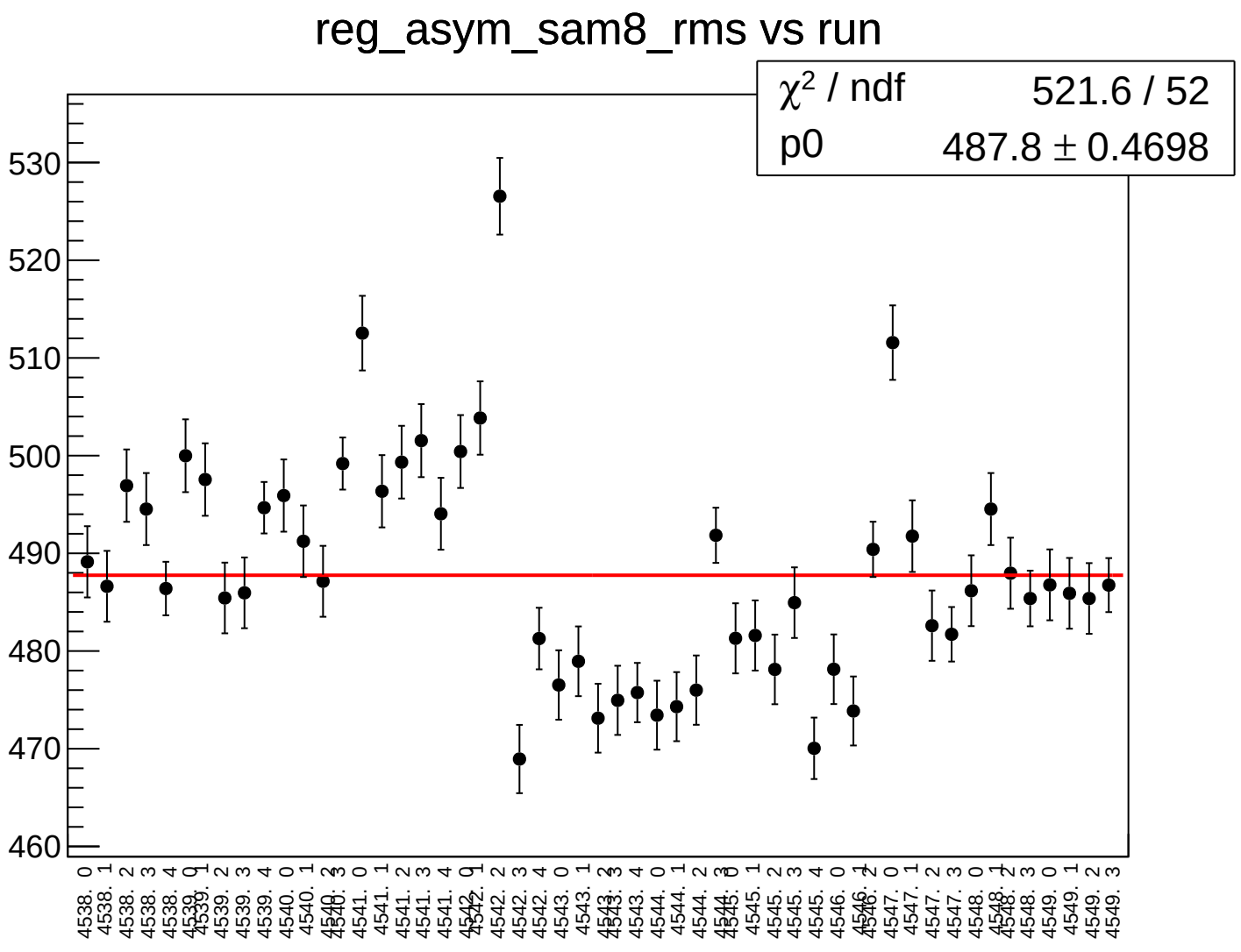

asym_sam7_correction_mean vs run
×10^3
χ² / ndf 54.28 / 52
p0 −5465 ± 2671
pull
Entries 53
Mean −98.62
Std Dev 114.1

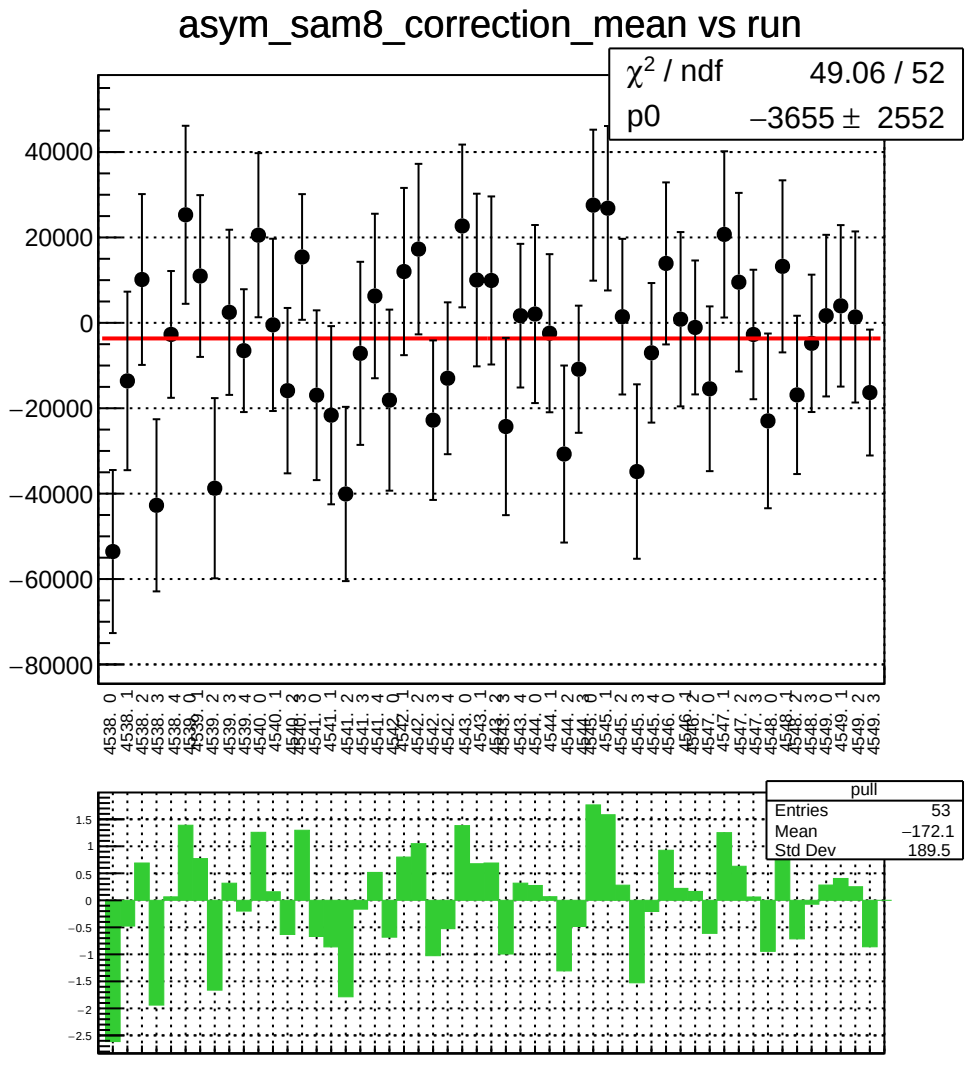

pull1D
Entries 53
Mean −0.02027
Std Dev 1.012

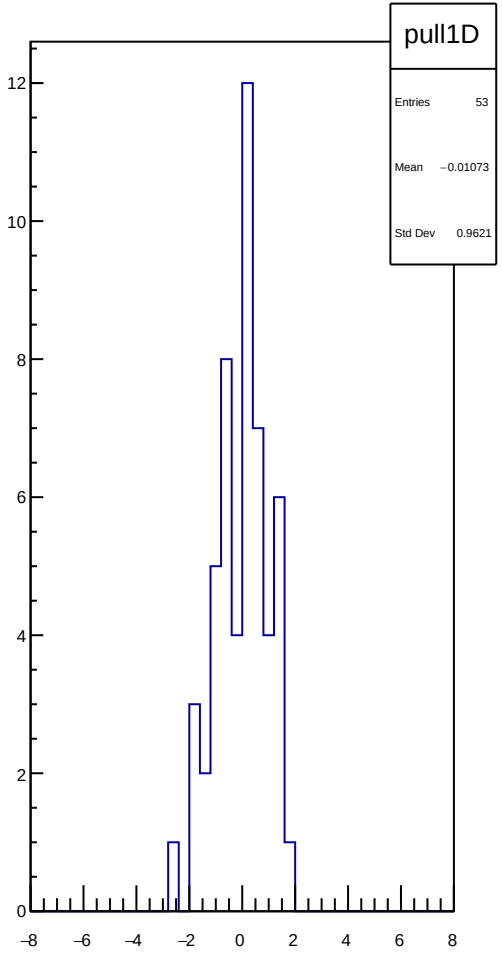

asym_sam7_correction_rms vs run
χ² / ndf 928.7 / 52
p0 1960 ± 1.889
2100
2050
2000
1950
1900
1850
1800
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

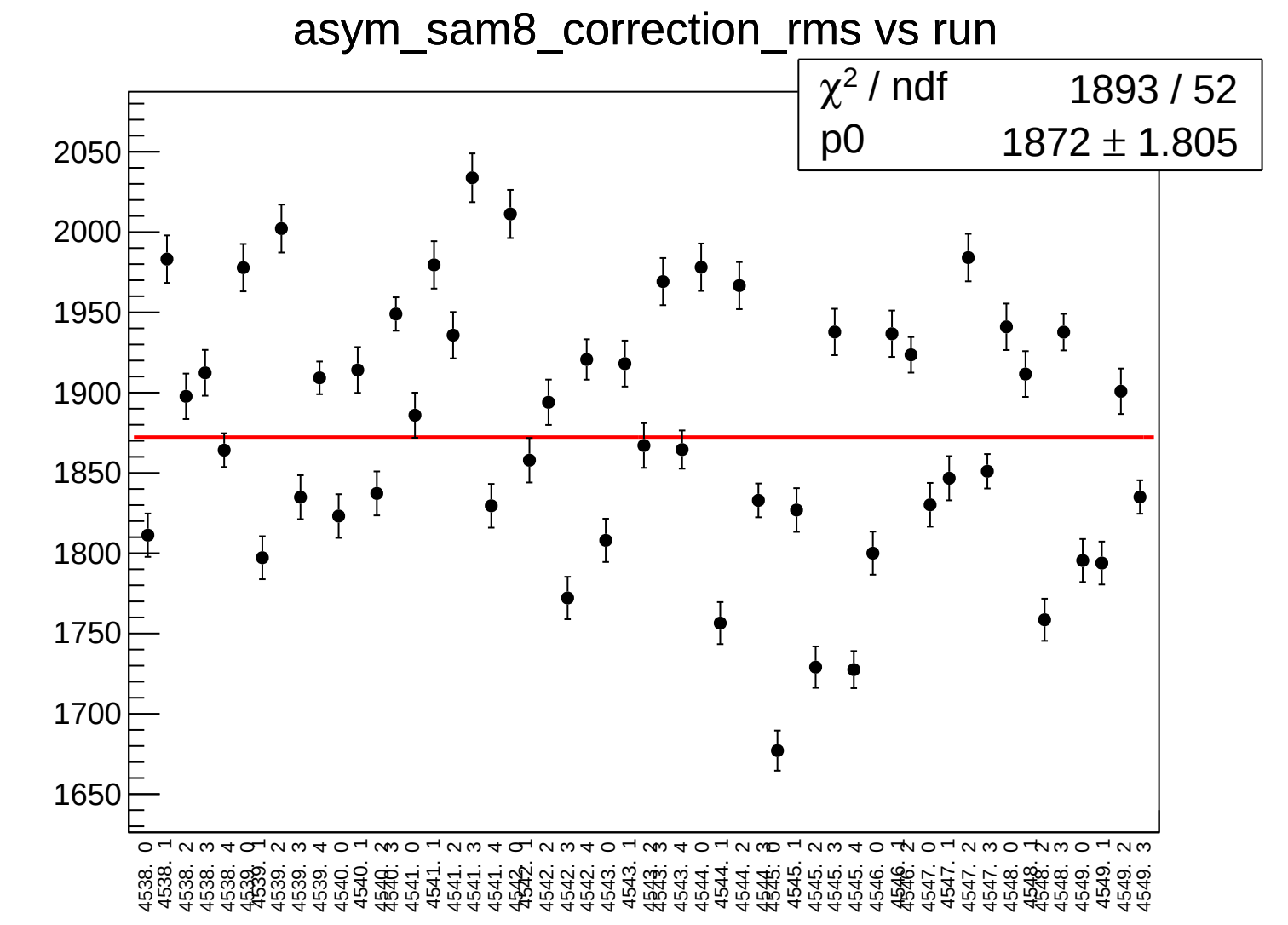

reg_asym_sam8_mean vs run
χ^2 / ndf 47.31 / 52
p0 2354 ± 664.4
pull
Entries 53
Mean 39.89
Std Dev 19.64

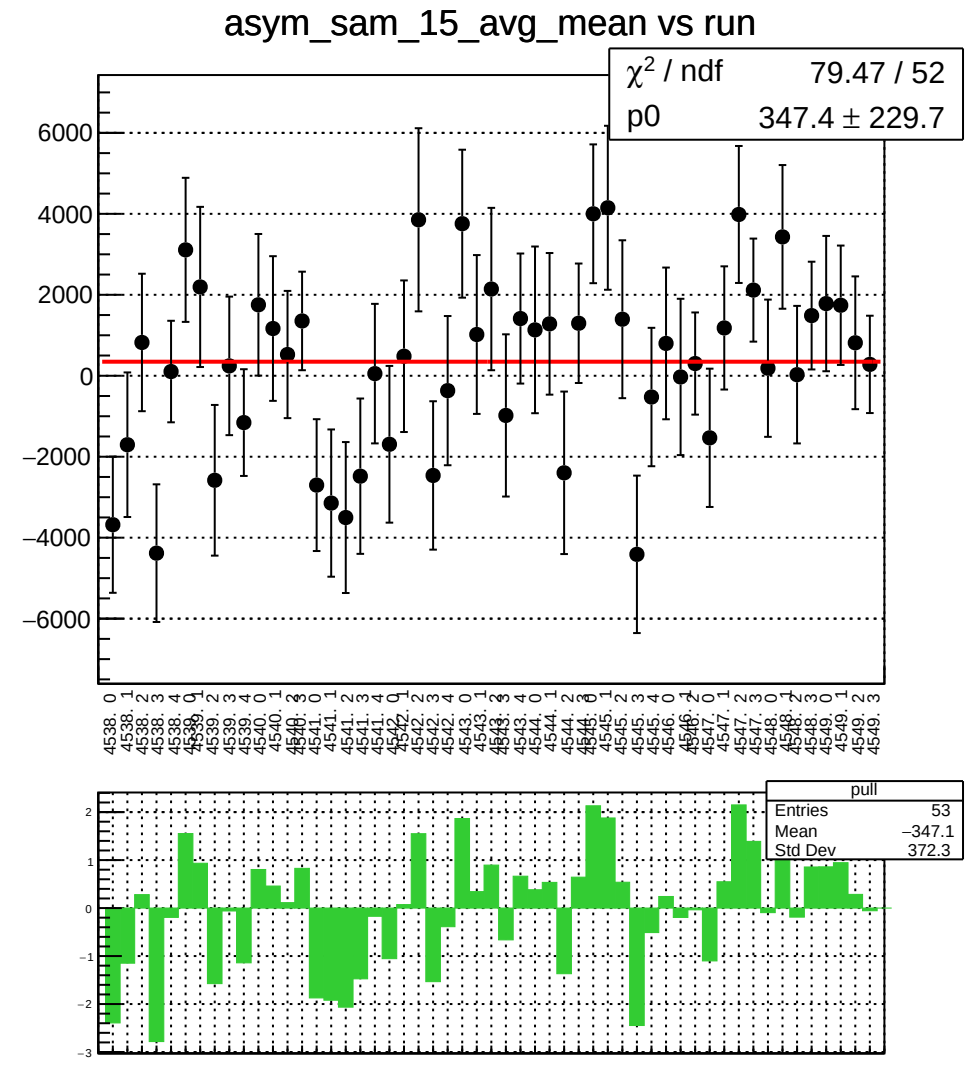

pull1D
Entries 53
Mean 0.02701
Std Dev 0.9444

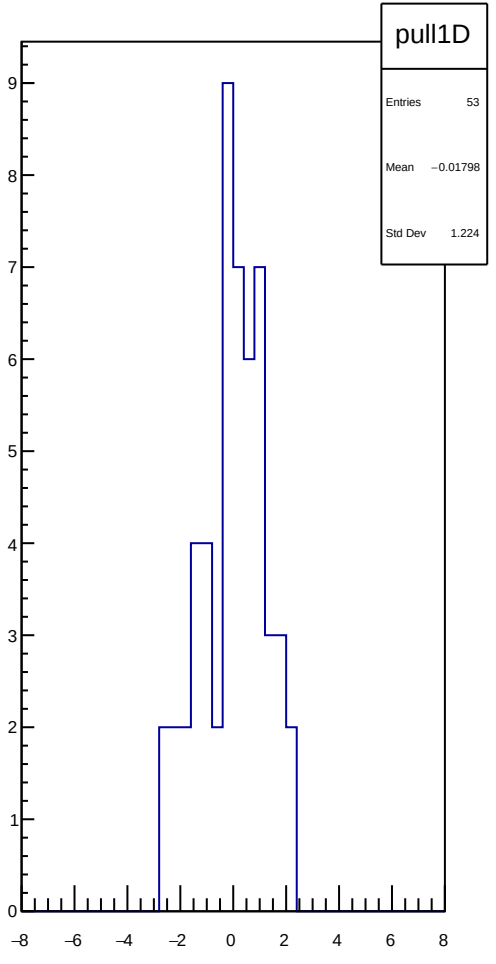

reg_asym_sam8_rms vs run
χ² / ndf 521.6 / 52
p0 487.8 ± 0.4698
530
520
510
500
490
480
470
460
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 4
4544. 0
4544. 1
4544. 2
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

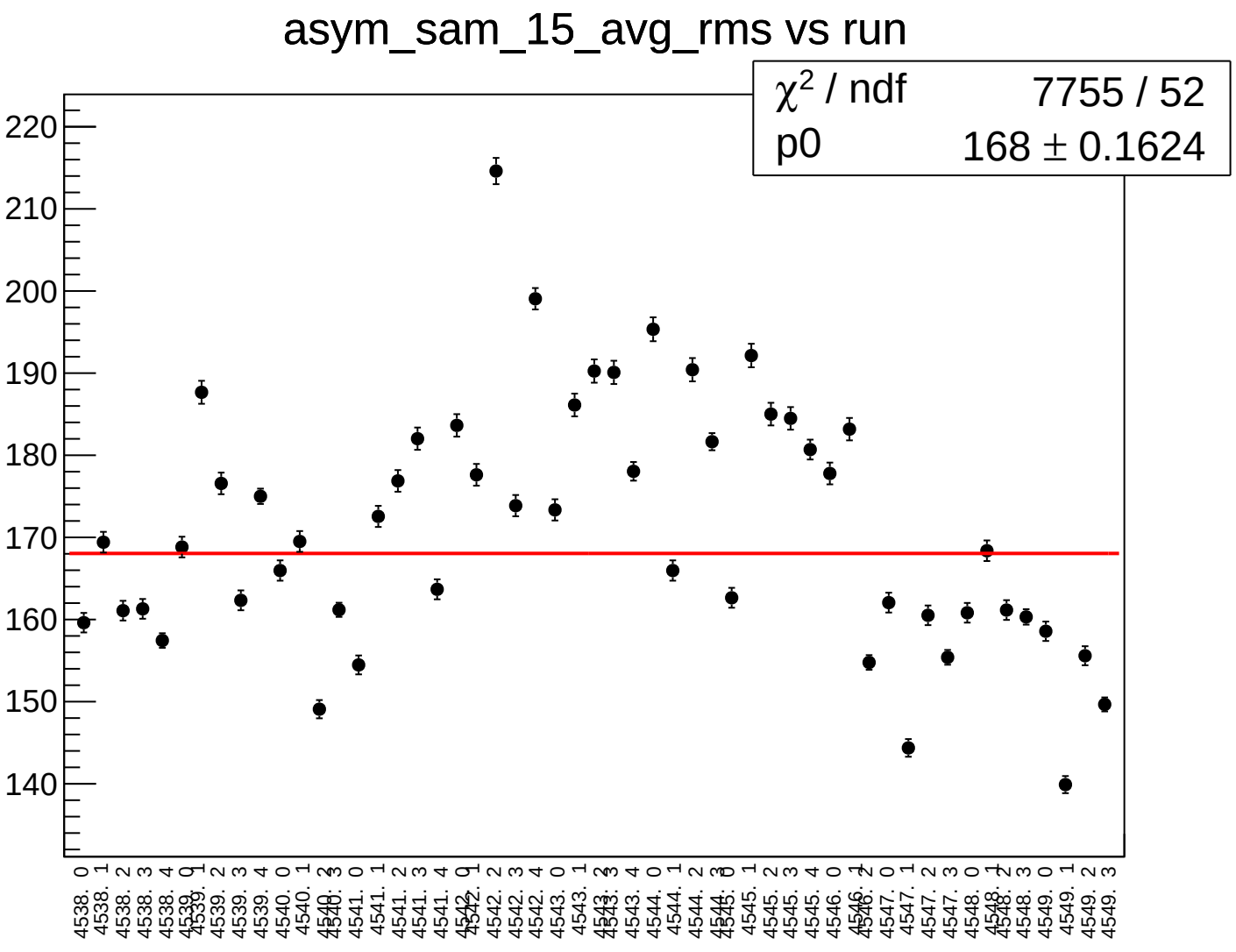

asym_sam8_correction_mean vs run
χ² / ndf 49.06 / 52
p0 −3655 ± 2552
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 53
Mean −172.1
Std Dev 189.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

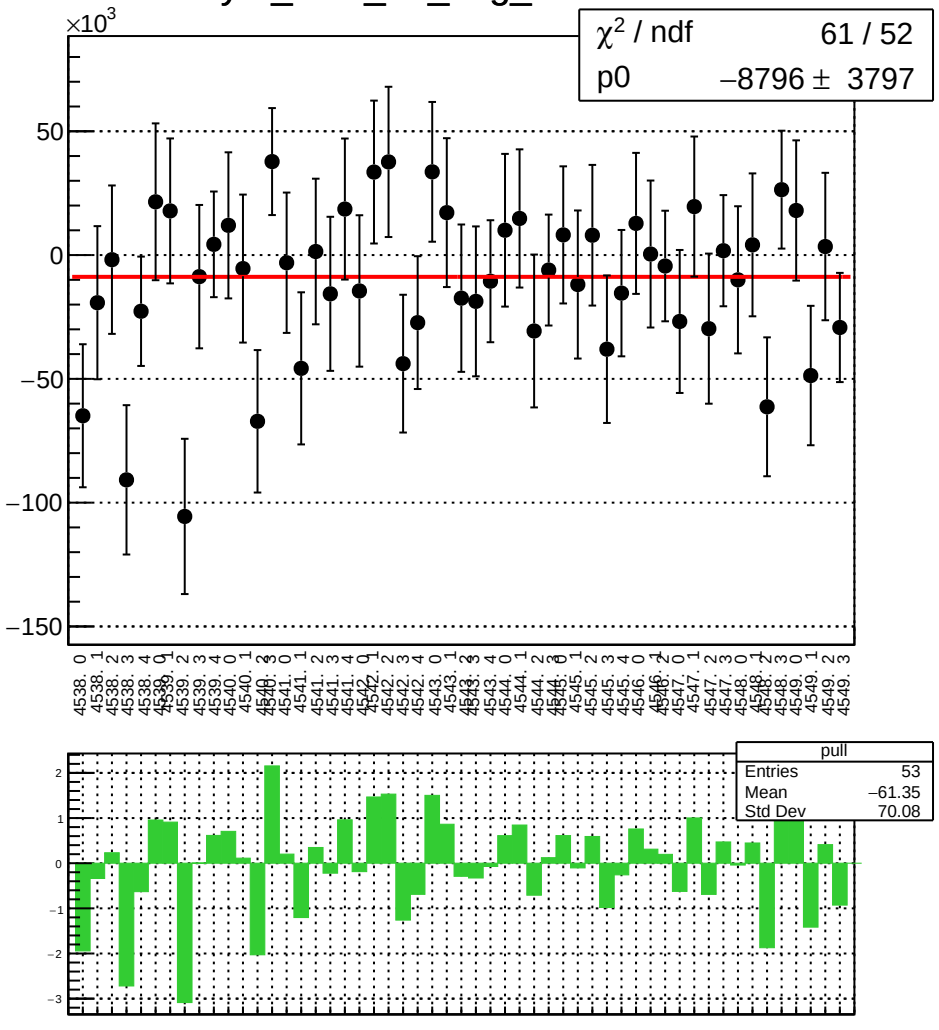

pull1D
Entries 53
Mean −0.01073
Std Dev 0.9621
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

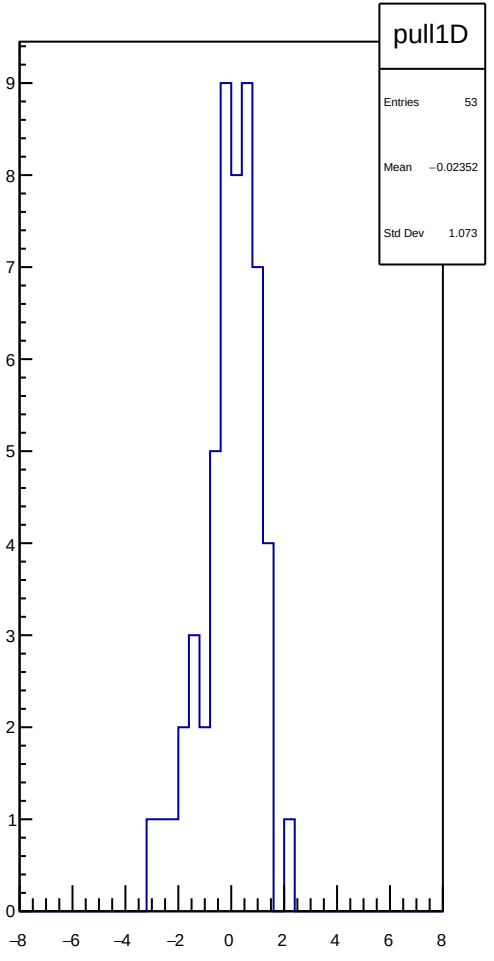

asym_sam8_correction_rms vs run
χ² / ndf 1893 / 52
p0 1872 ± 1.805
2050
2000
1950
1900
1850
1800
1750
1700
1650
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

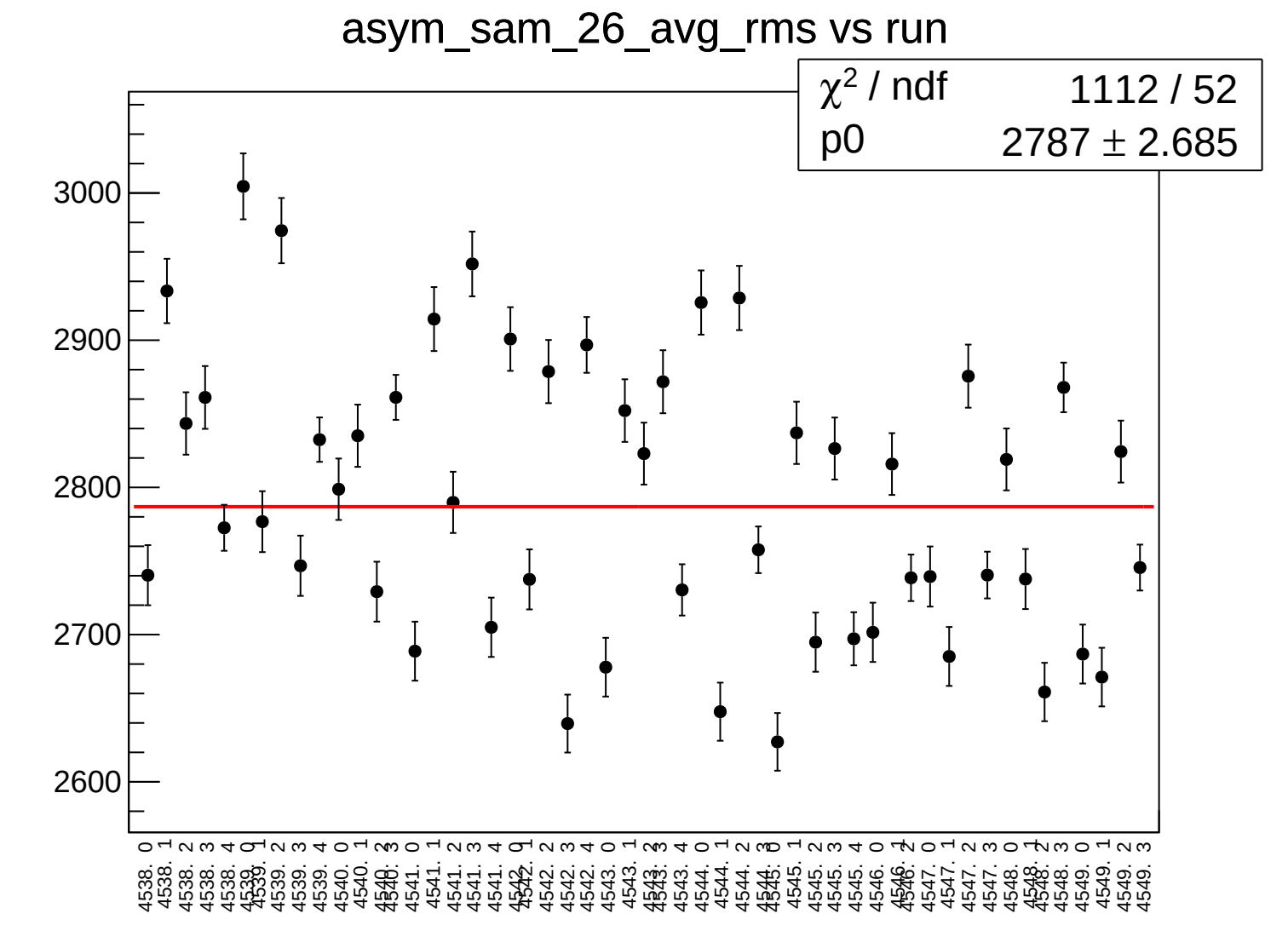

asym_sam_15_avg_mean vs run
χ² / ndf 79.47 / 52
p0 347.4 ± 229.7
pull
Entries 53
Mean −347.1
Std Dev 372.3

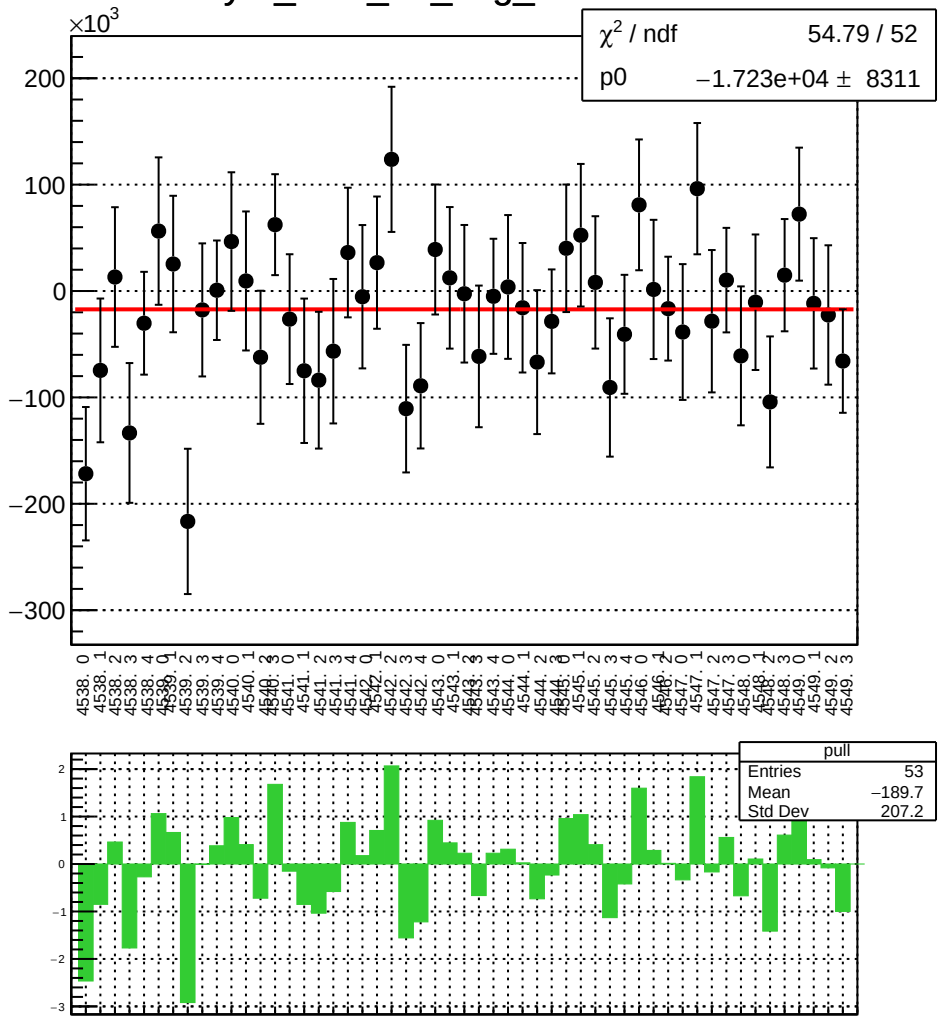

pull1D
Entries 53
Mean −0.01798
Std Dev 1.224

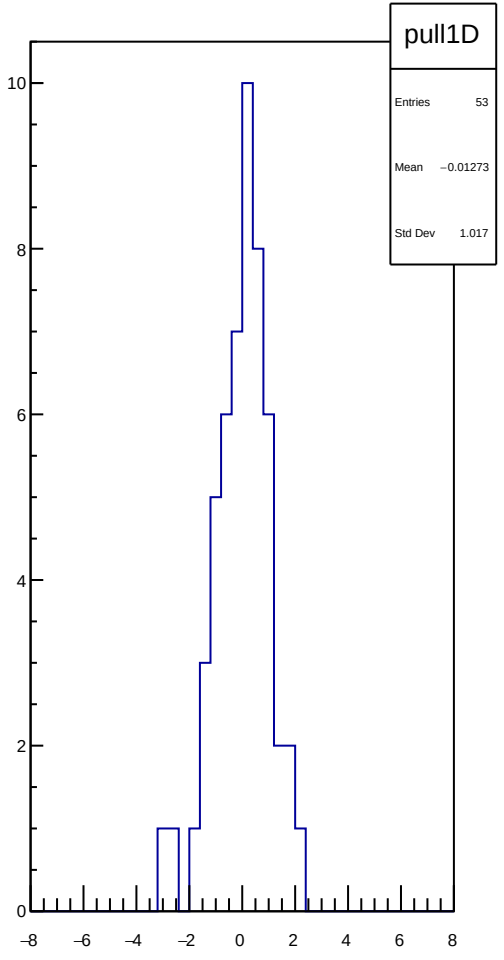

asym_sam_15_avg_rms vs run
χ^2 / ndf 7755 / 52
p0 168 ± 0.1624
220
210
200
190
180
170
160
150
140
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

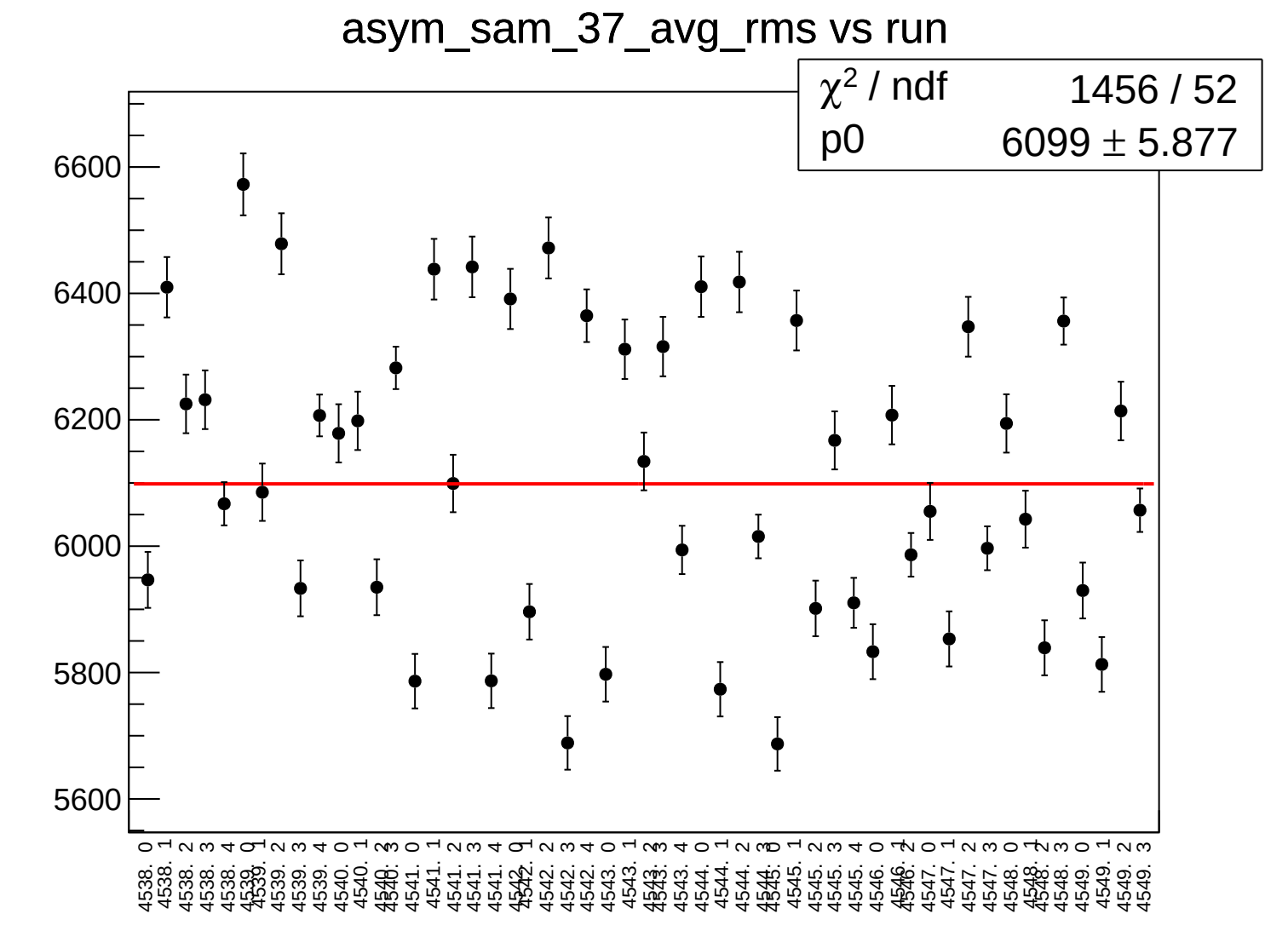

asym_sam_26_avg_mean vs run
χ² / ndf 61 / 52
p0 −8796 ± 3797
×10³
50
0
−50
−100
−150
pull
Entries 53
Mean −61.35
Std Dev 70.08
2
1
0
−1
−2
−3

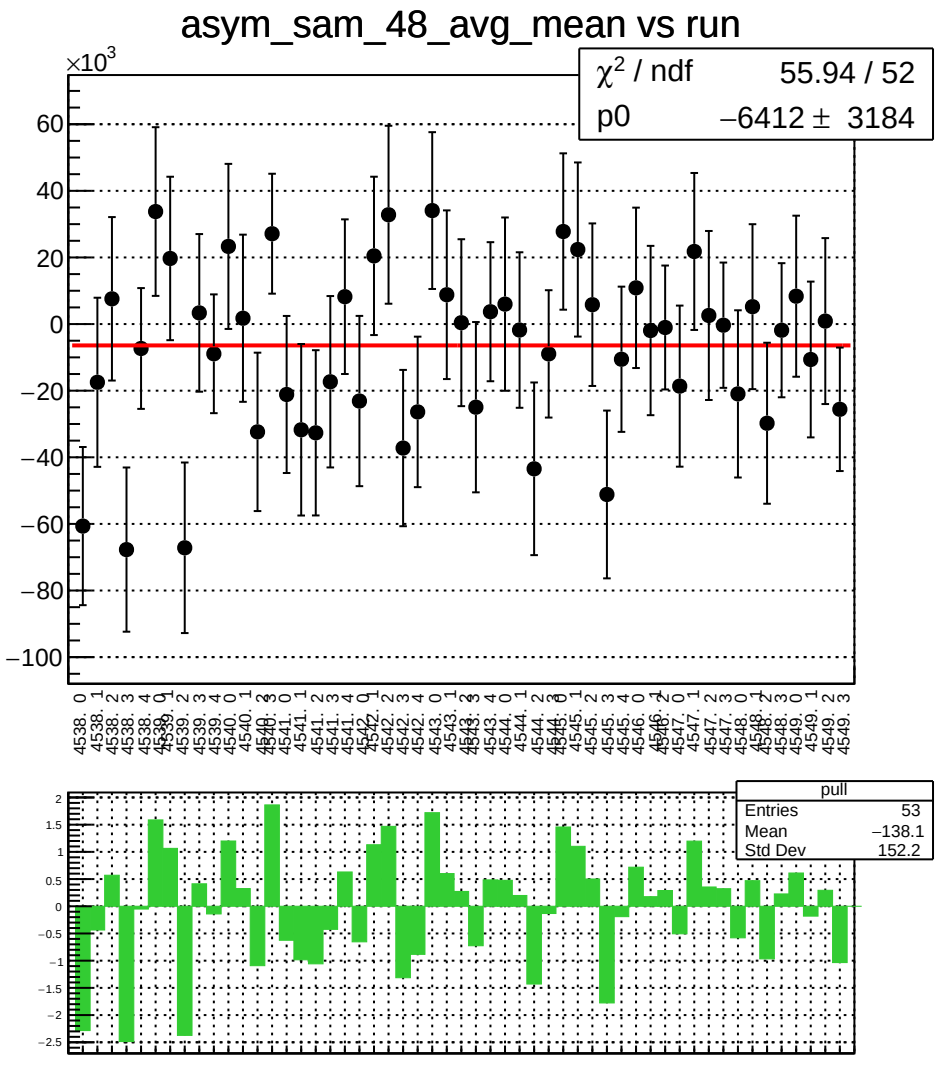

pull1D
Entries 53
Mean −0.02352
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

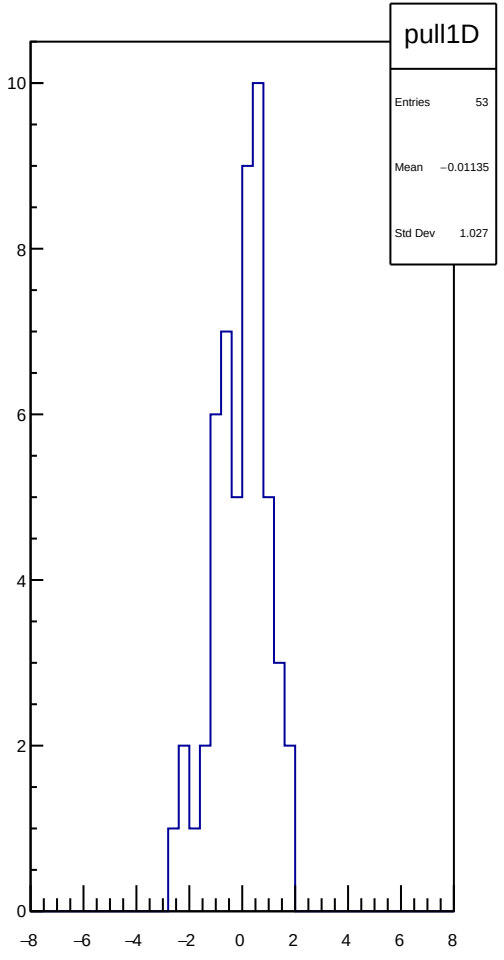

asym_sam_26_avg_rms vs run
χ² / ndf 1112 / 52
p0 2787 ± 2.685
3000
2900
2800
2700
2600
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

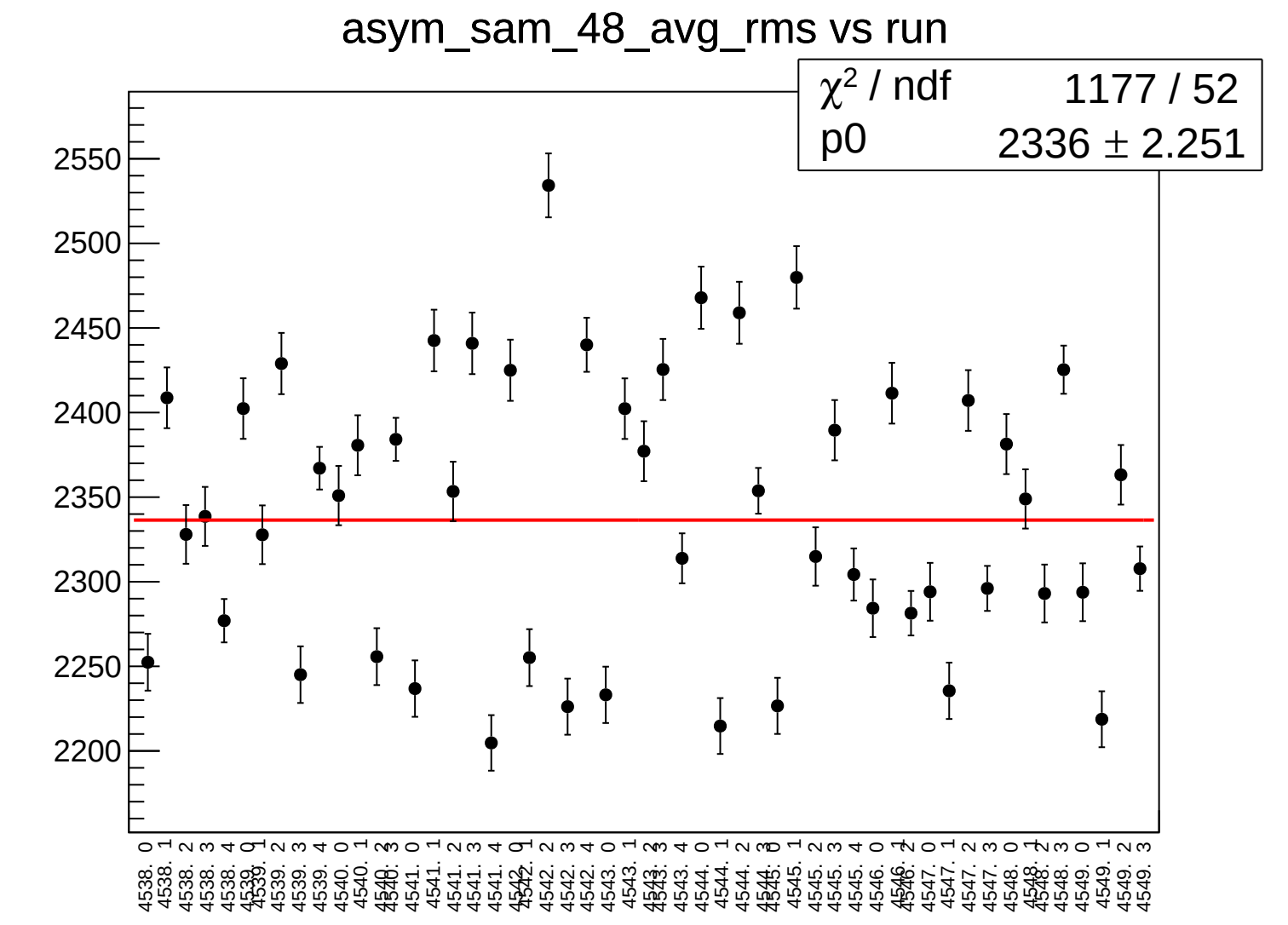

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 54.79 / 52
p0 −1.723e+04 ± 8311
pull
Entries 53
Mean −189.7
Std Dev 207.2

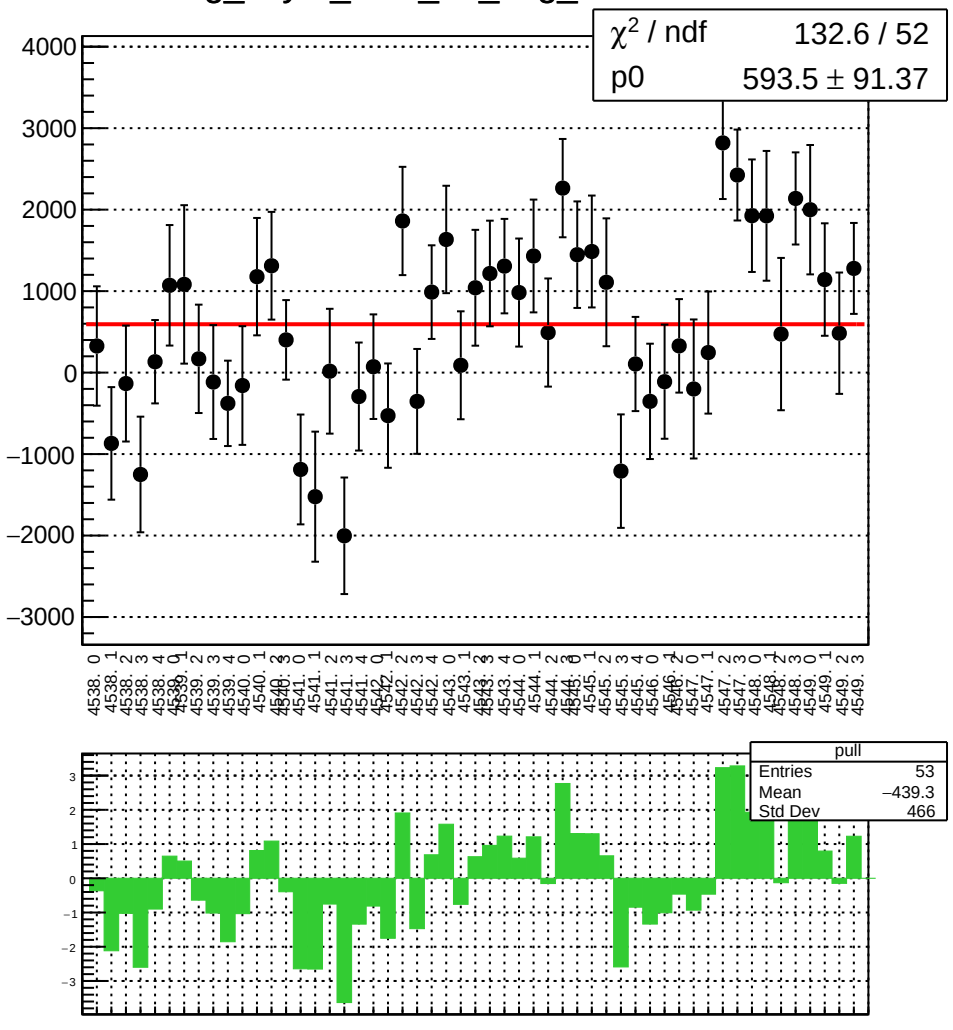

pull1D
Entries 53
Mean −0.01273
Std Dev 1.017

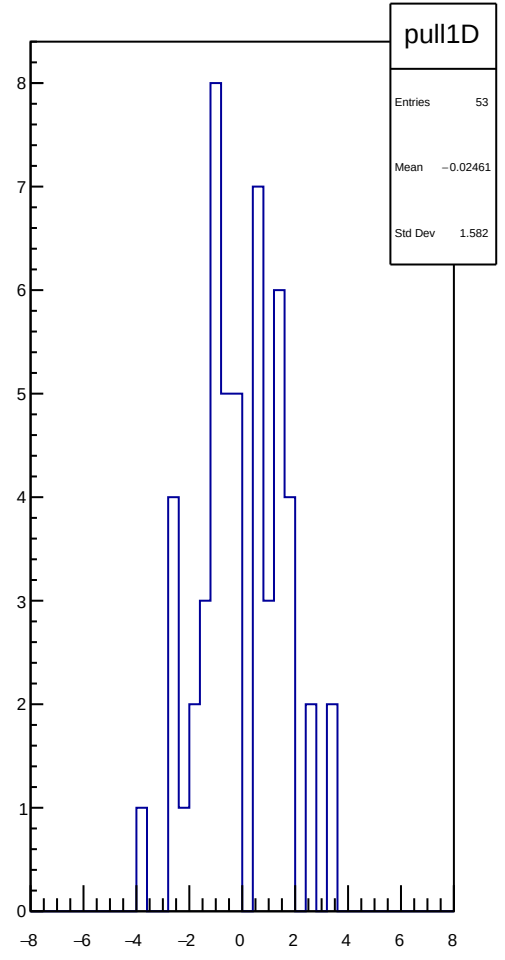

asym_sam_37_avg_rms vs run
χ² / ndf 1456 / 52
p0 6099 ± 5.877
6600
6400
6200
6000
5800
5600
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

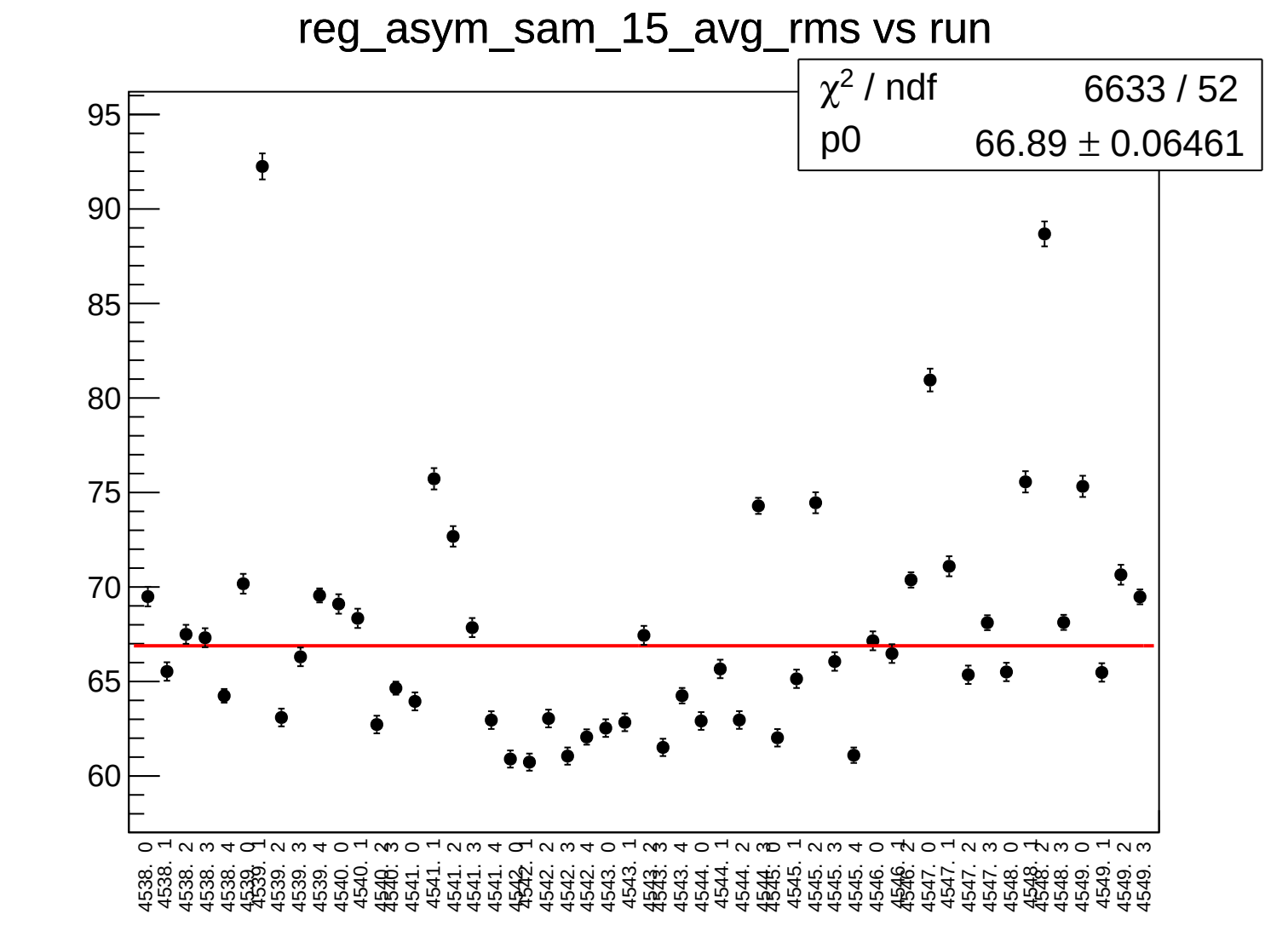

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 55.94 / 52
p0 −6412 ± 3184
pull
Entries 53
Mean −138.1
Std Dev 152.2

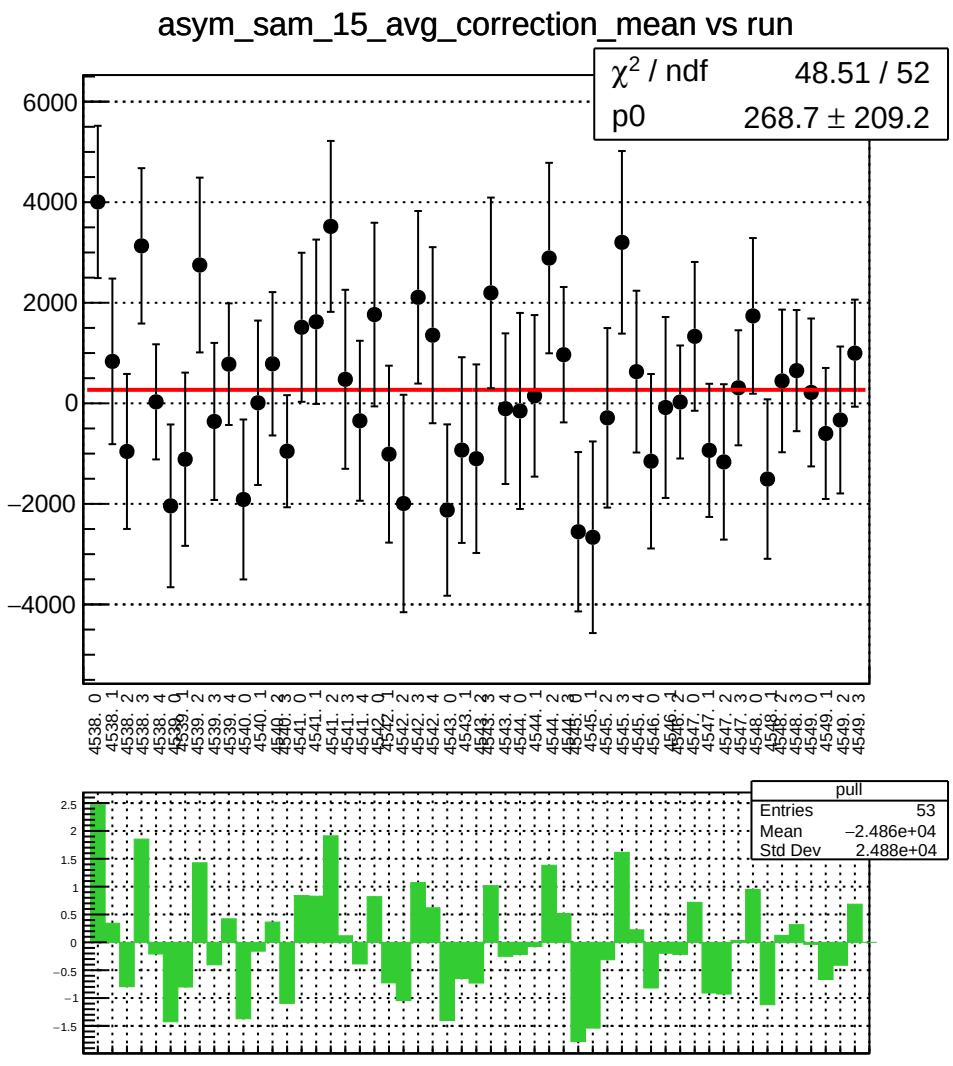

pull1D
Entries 53
Mean −0.01135
Std Dev 1.027

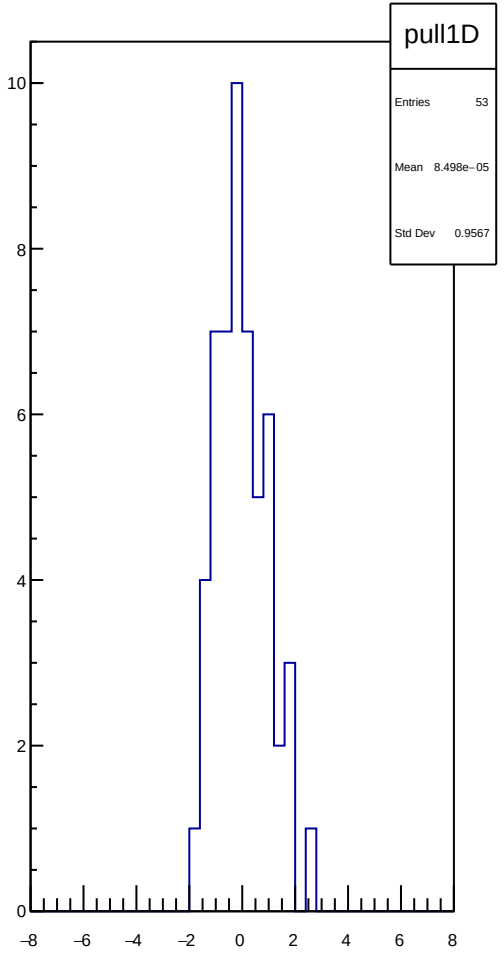

asym_sam_48_avg_rms vs run
χ² / ndf 1177 / 52
p0 2336 ± 2.251
2550
2500
2450
2400
2350
2300
2250
2200
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

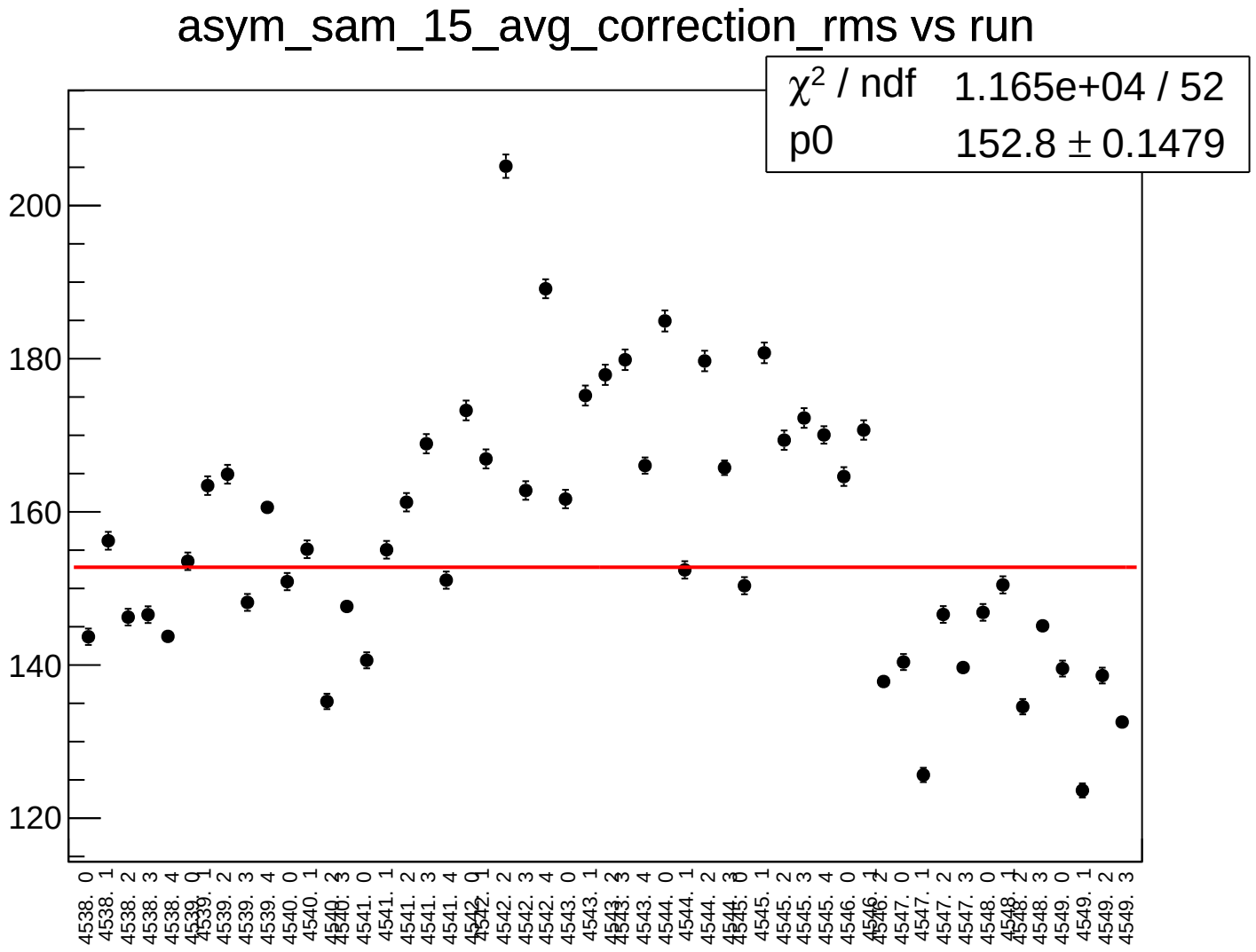

reg_asym_sam_15_avg_mean vs run
χ² / ndf 132.6 / 52
p0 593.5 ± 91.37
pull
Entries 53
Mean −439.3
Std Dev 466

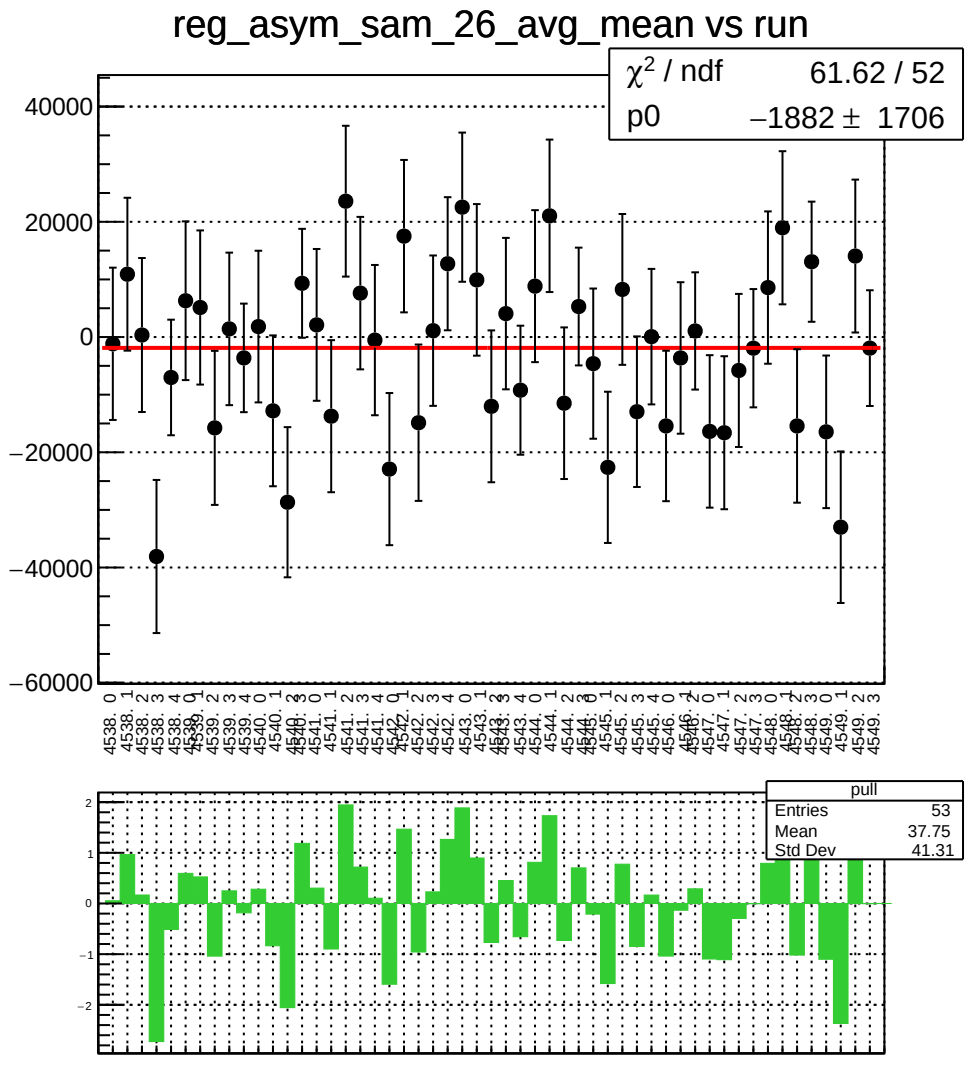

pull1D
Entries 53
Mean −0.02461
Std Dev 1.582

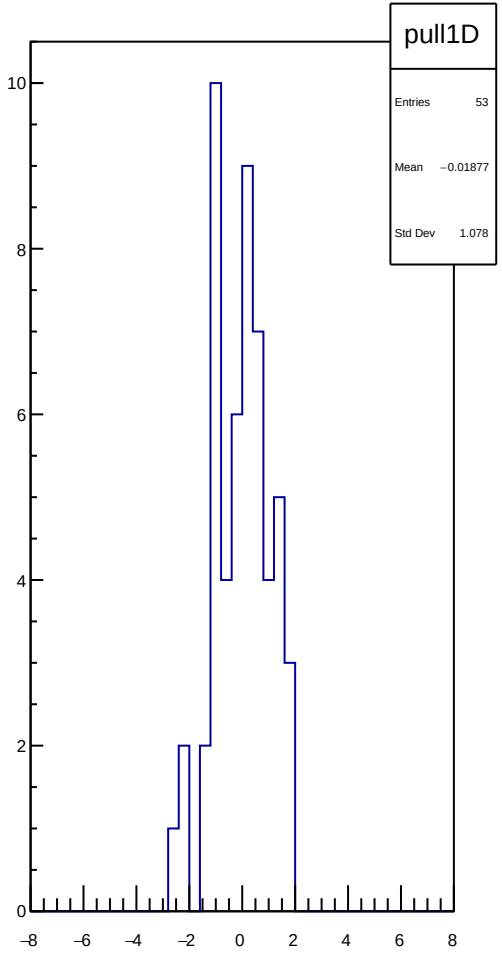

reg_asym_sam_15_avg_rms vs run
χ² / ndf 6633 / 52
p0 66.89 ± 0.06461
95
90
85
80
75
70
65
60
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

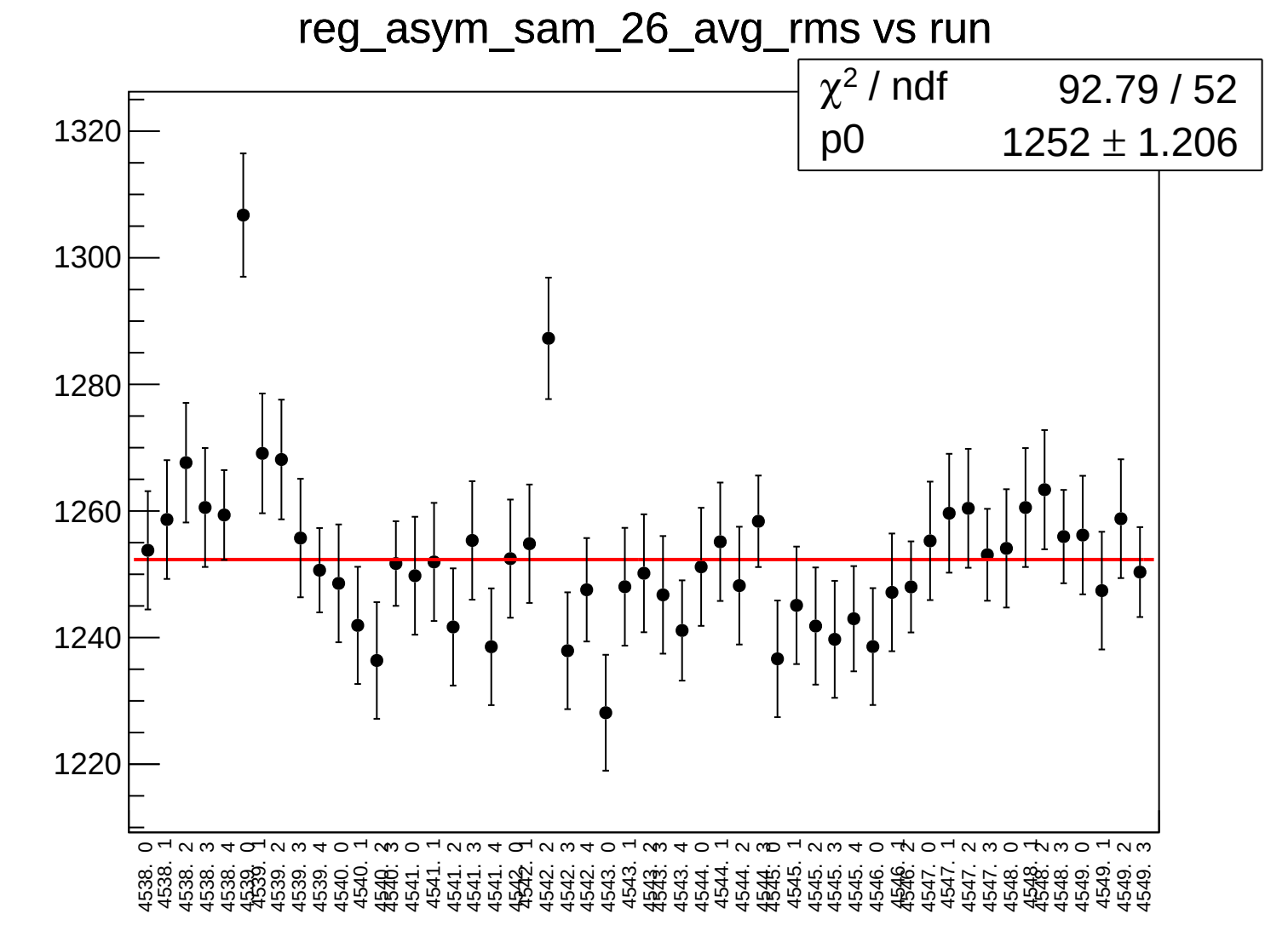

asym_sam_15_avg_correction_mean vs run
χ² / ndf 48.51 / 52
p0 268.7 ± 209.2
6000
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −2.486e+04
Std Dev 2.488e+04
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

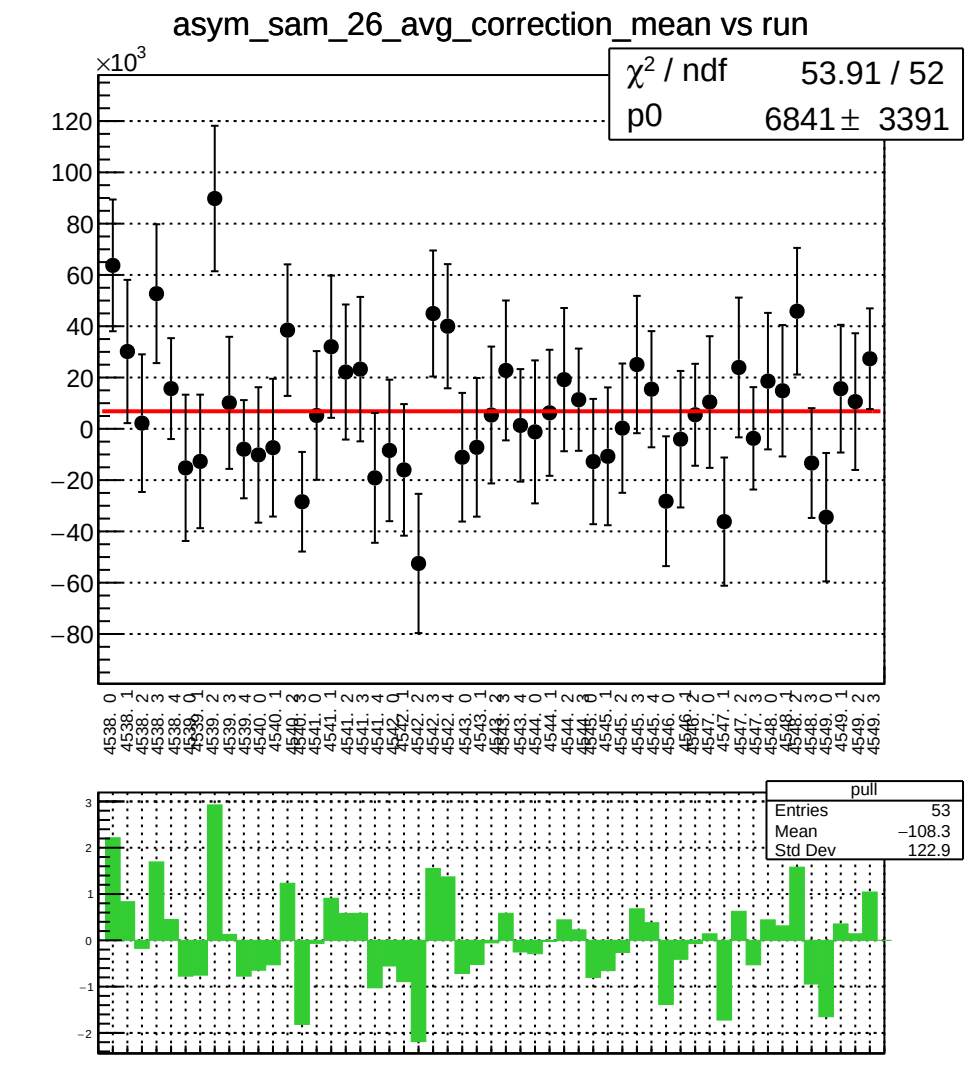

pull1D
Entries 53
Mean 8.498e−05
Std Dev 0.9567
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

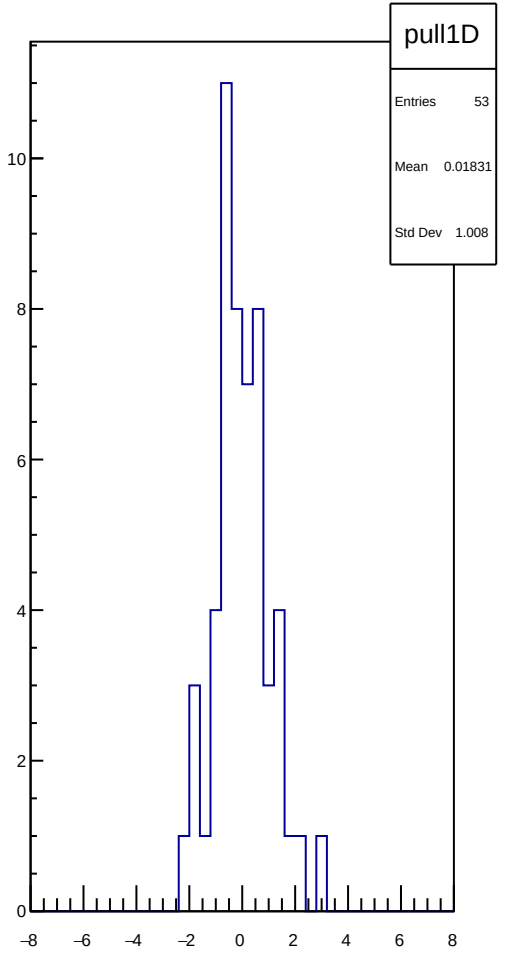

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.165e+04 / 52
p0 152.8 ± 0.1479
200
180
160
140
120
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

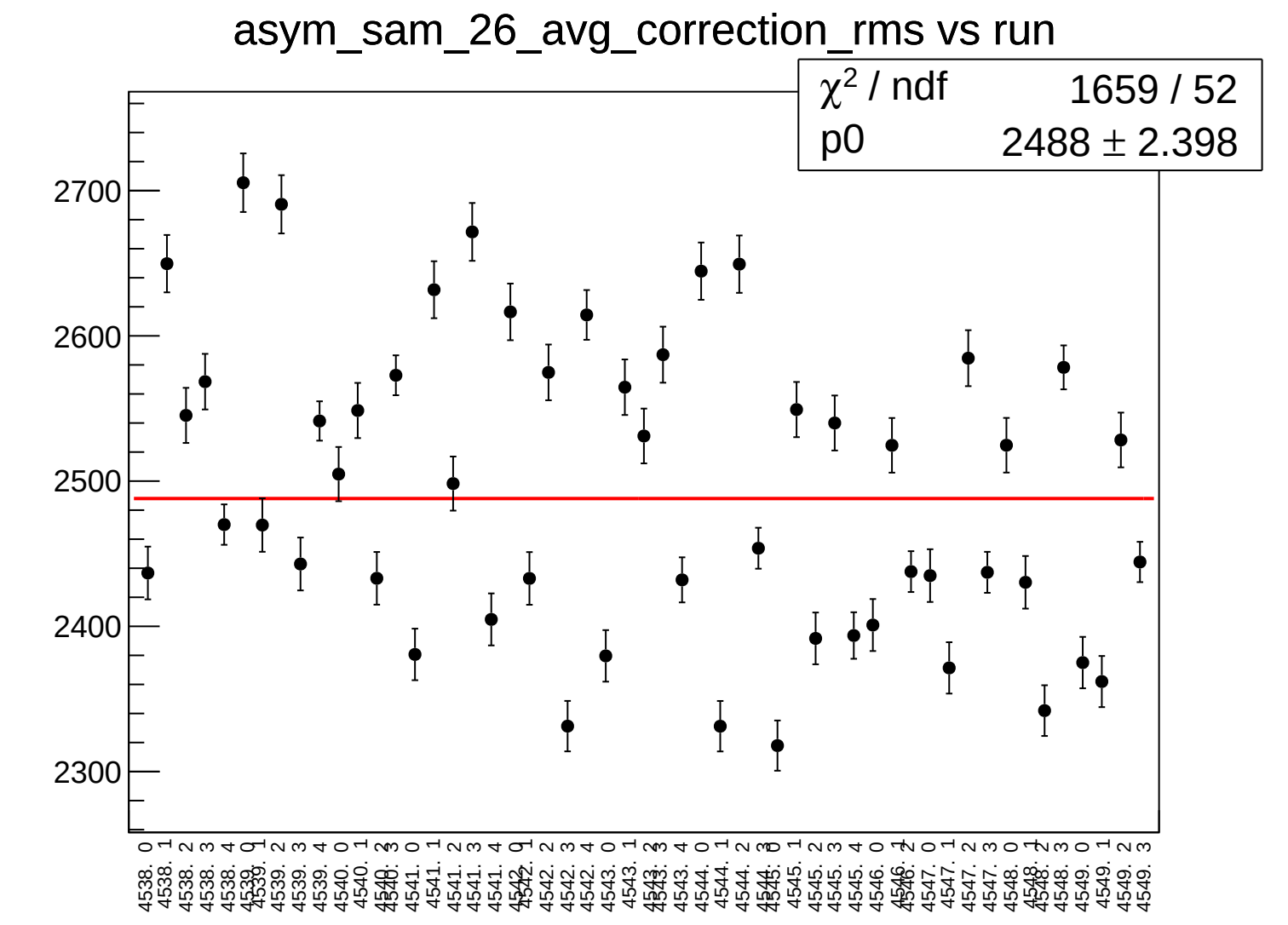

reg_asym_sam_26_avg_mean vs run
χ² / ndf 61.62 / 52
p0 −1882 ± 1706
pull
Entries 53
Mean 37.75
Std Dev 41.31

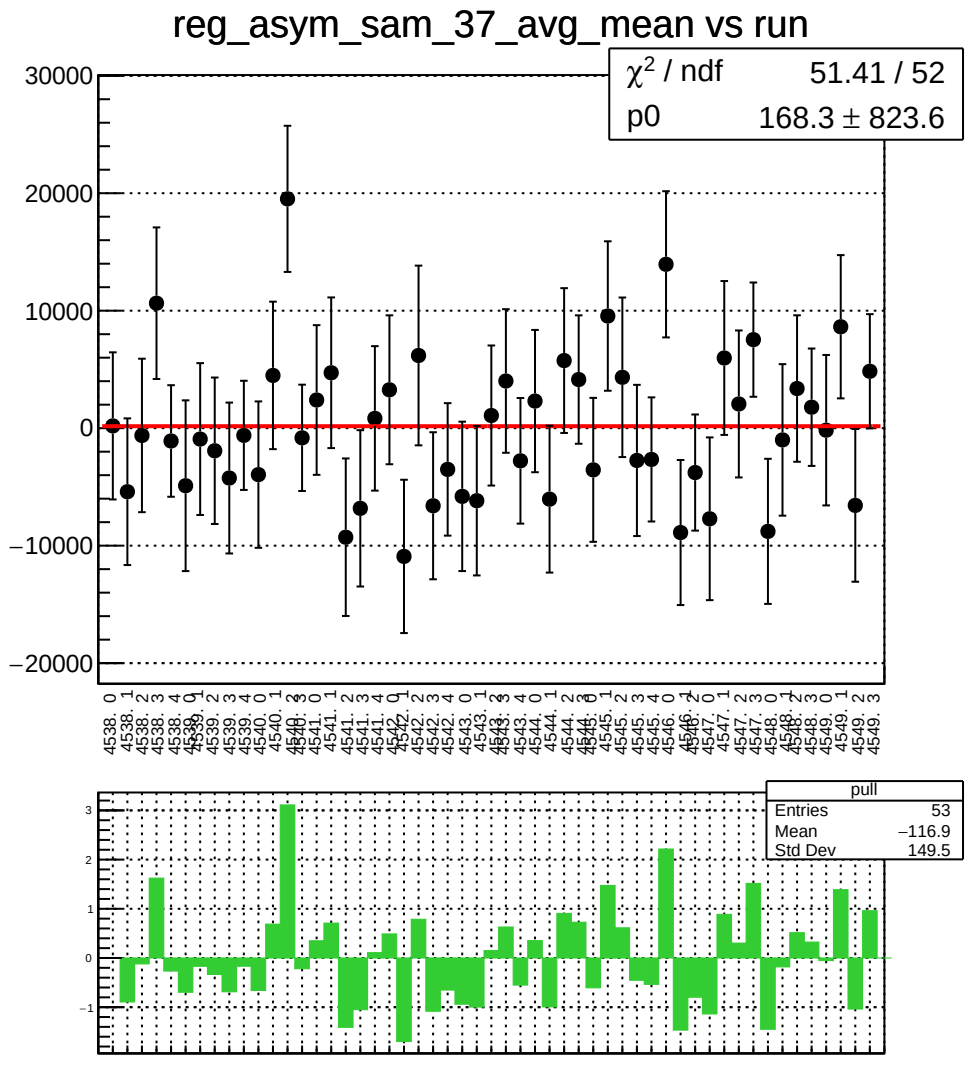

pull1D
Entries 53
Mean −0.01877
Std Dev 1.078

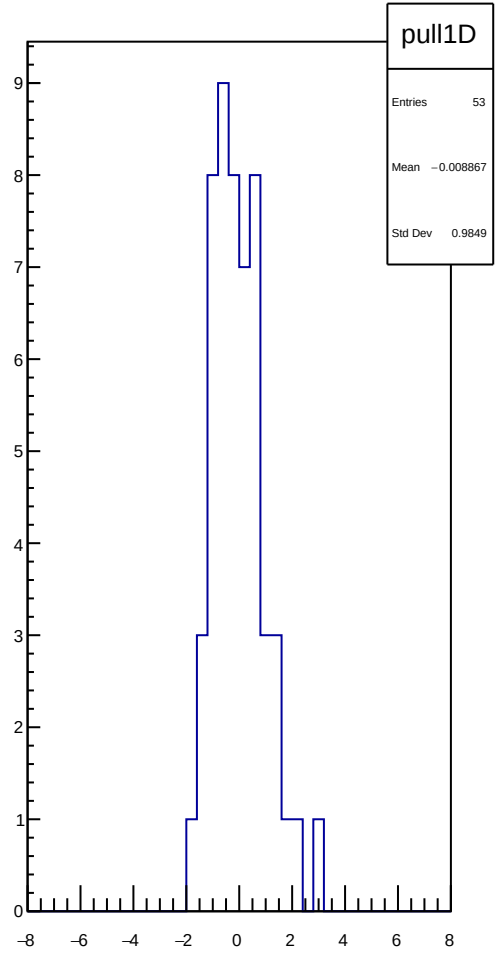

reg_asym_sam_26_avg_rms vs run
χ² / ndf 92.79 / 52
p0 1252 ± 1.206
1320
1300
1280
1260
1240
1220
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

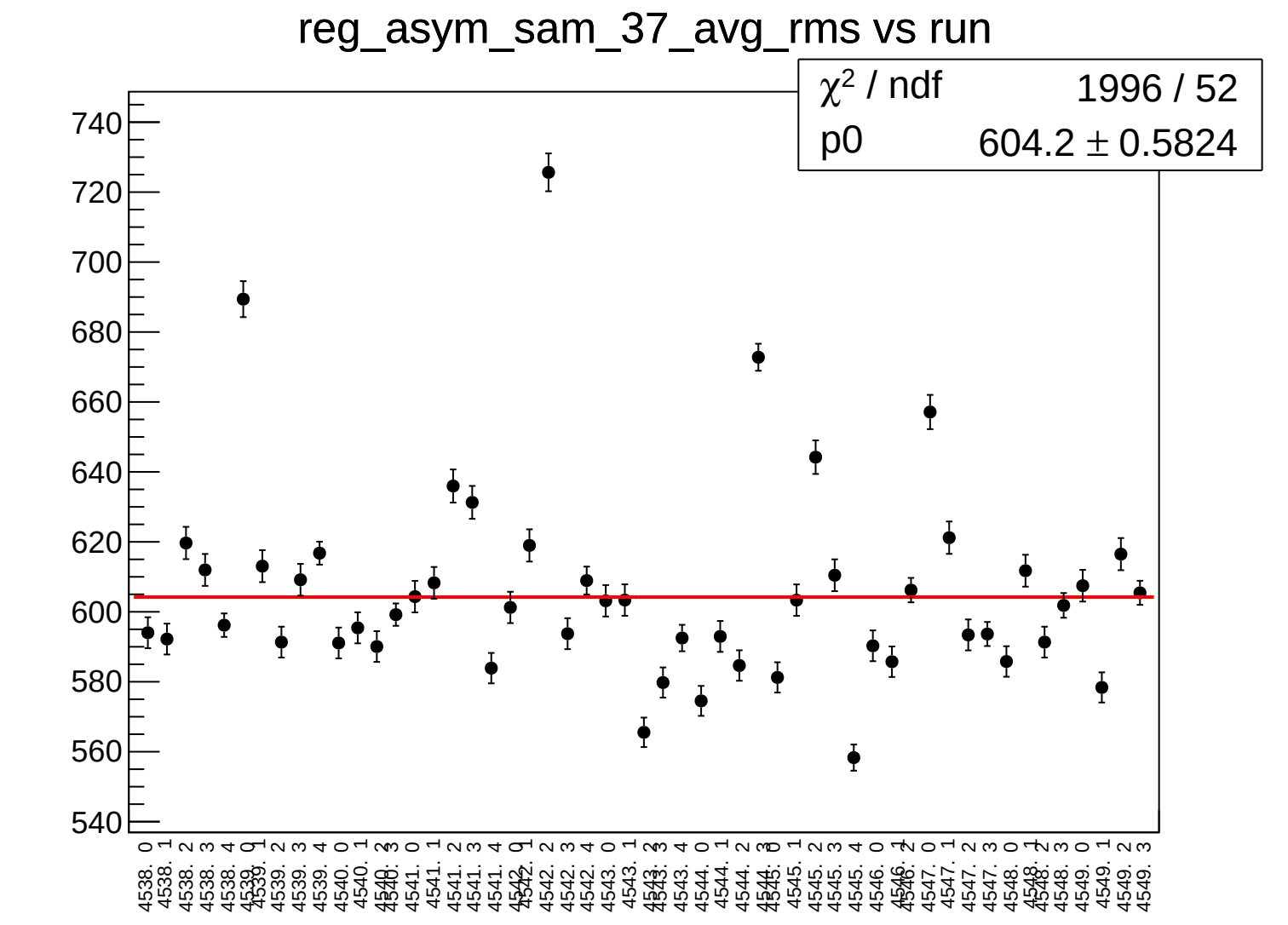

asym_sam_26_avg_correction_mean vs run
×10^3
χ^2 / ndf 53.91 / 52
p0 6841 ± 3391
pull
Entries 53
Mean −108.3
Std Dev 122.9

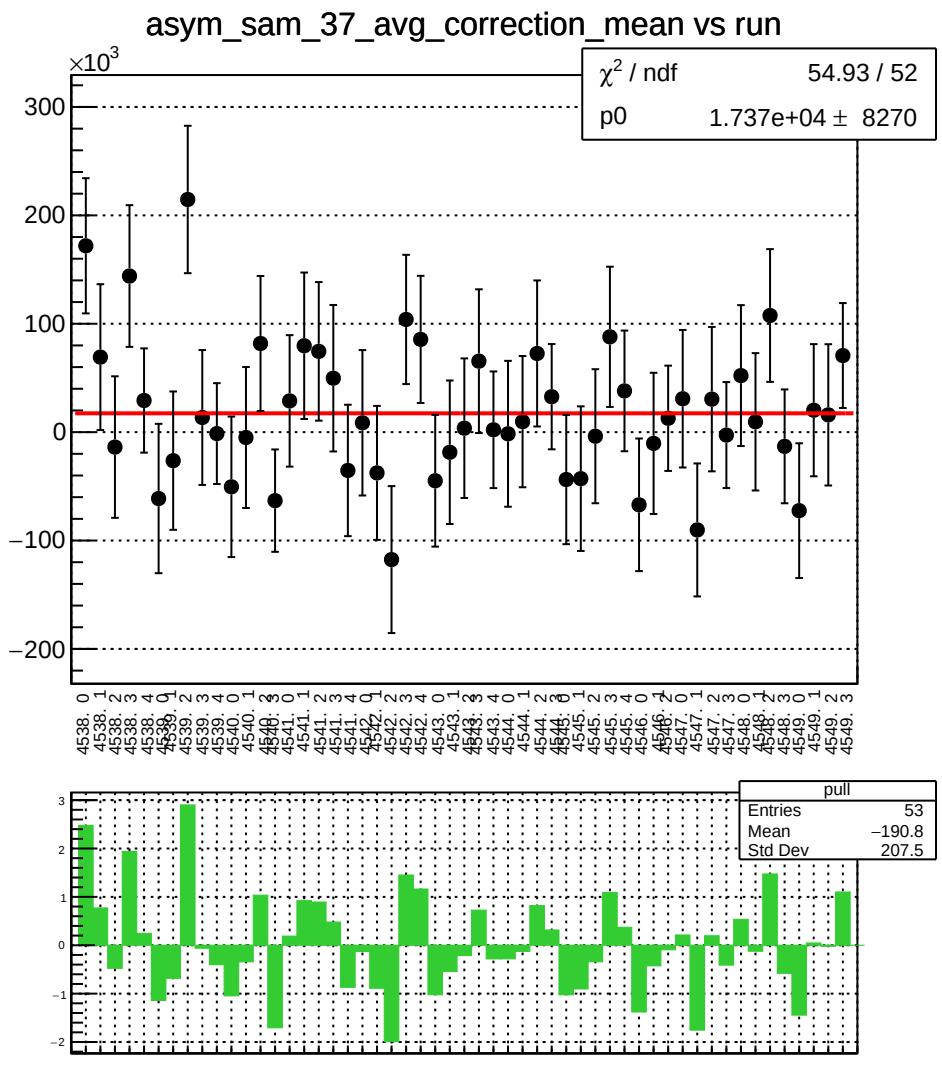

pull1D
Entries 53
Mean 0.01831
Std Dev 1.008

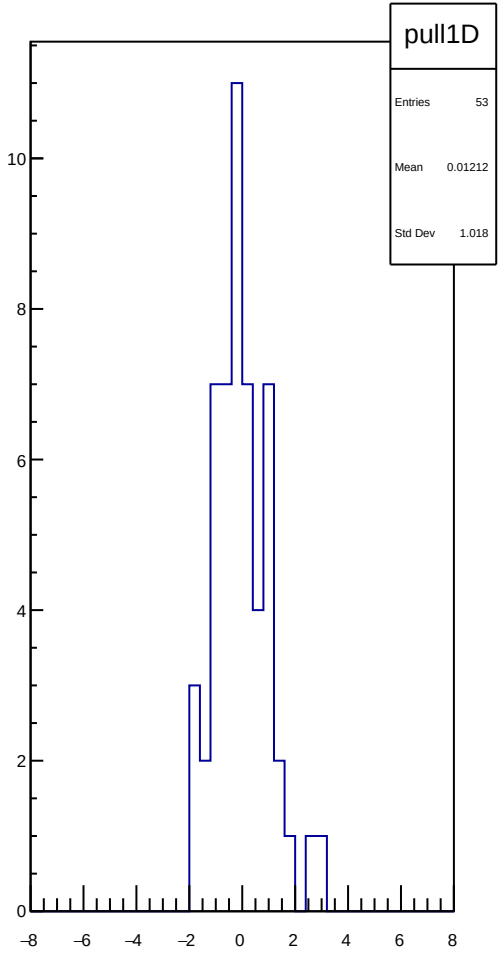

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1659 / 52
p0 2488 ± 2.398
2700
2600
2500
2400
2300
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

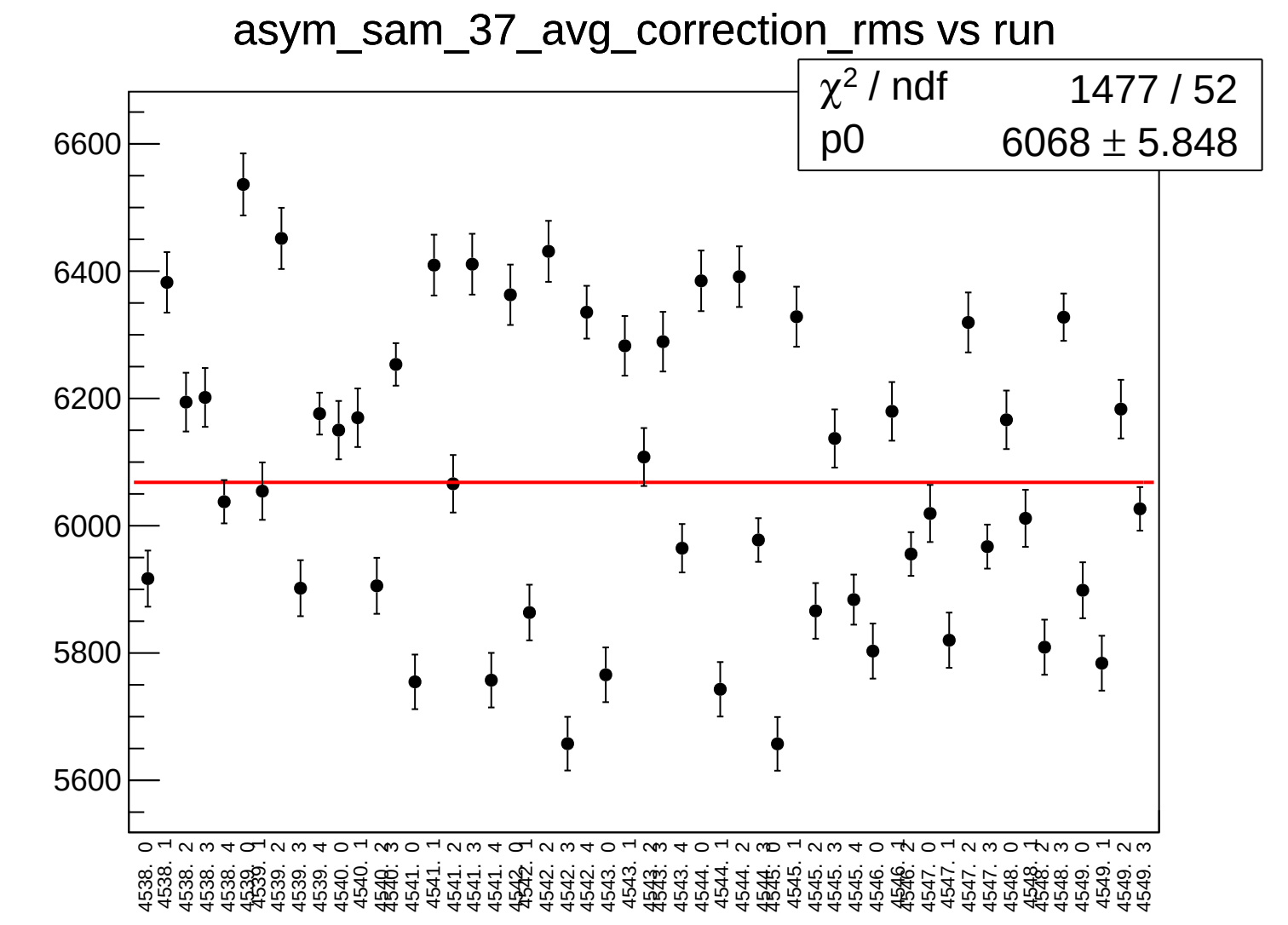

reg_asym_sam_37_avg_mean vs run
χ² / ndf 51.41 / 52
p0 168.3 ± 823.6
pull
Entries 53
Mean −116.9
Std Dev 149.5

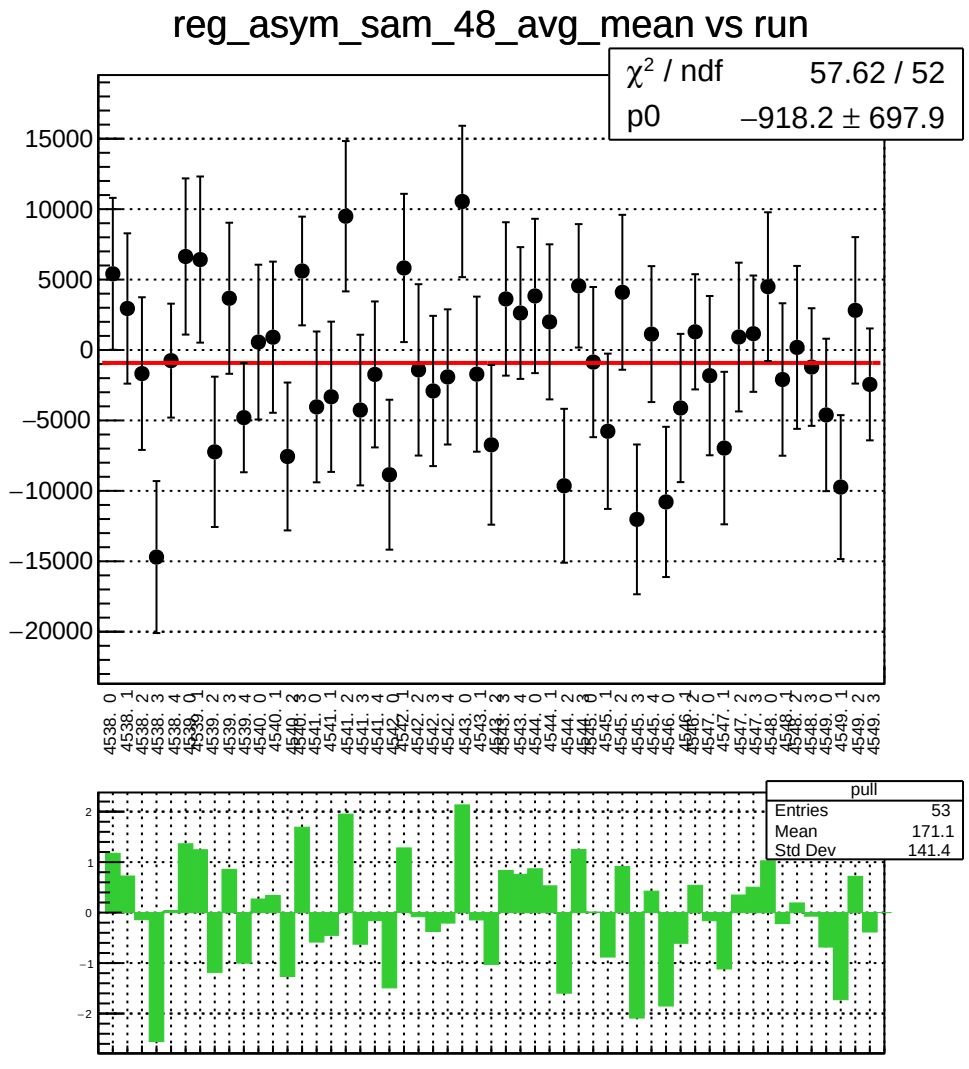

pull1D
Entries 53
Mean −0.008867
Std Dev 0.9849

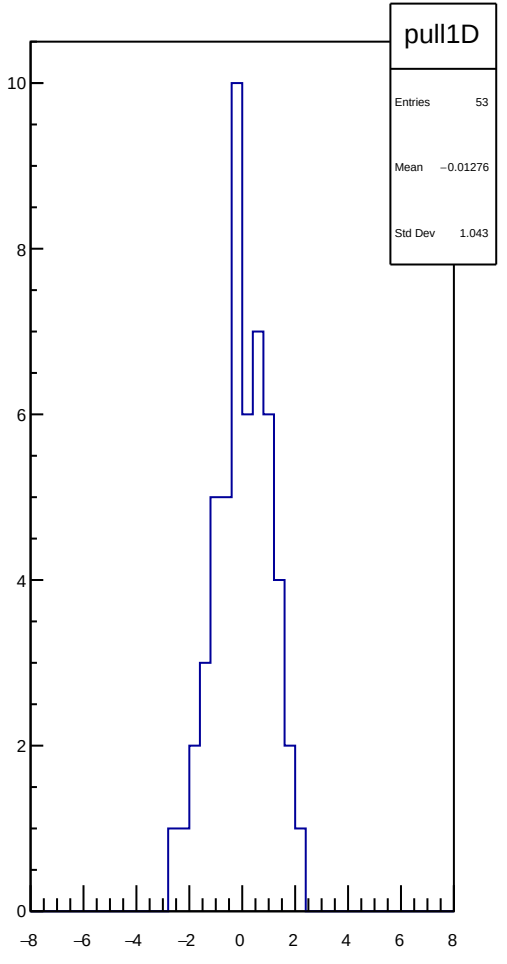

reg_asym_sam_37_avg_rms vs run
χ² / ndf 1996 / 52
p0 604.2 ± 0.5824
740
720
700
680
660
640
620
600
580
560
540
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

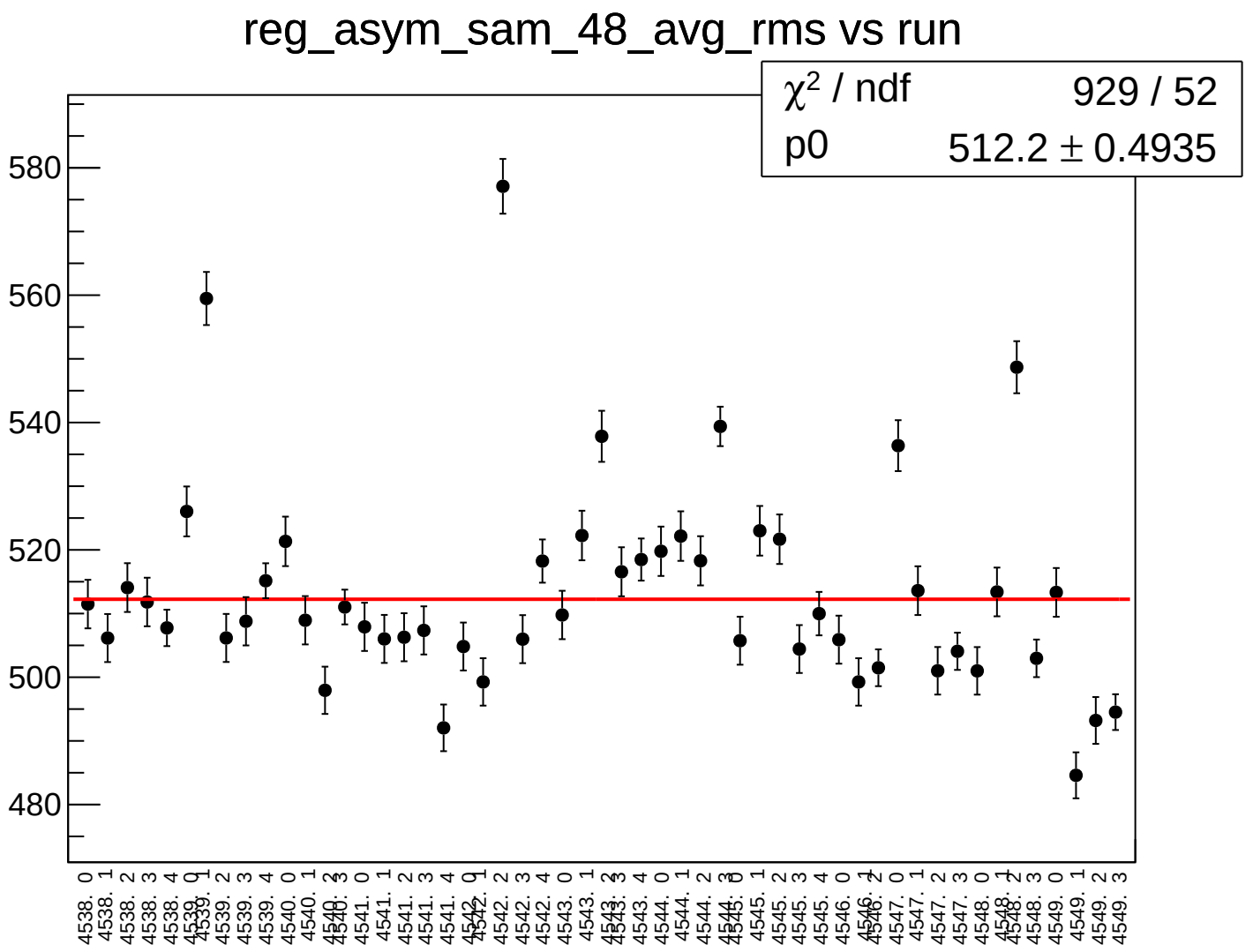

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 54.93 / 52
p0 1.737e+04 ± 8270
pull
Entries 53
Mean −190.8
Std Dev 207.5

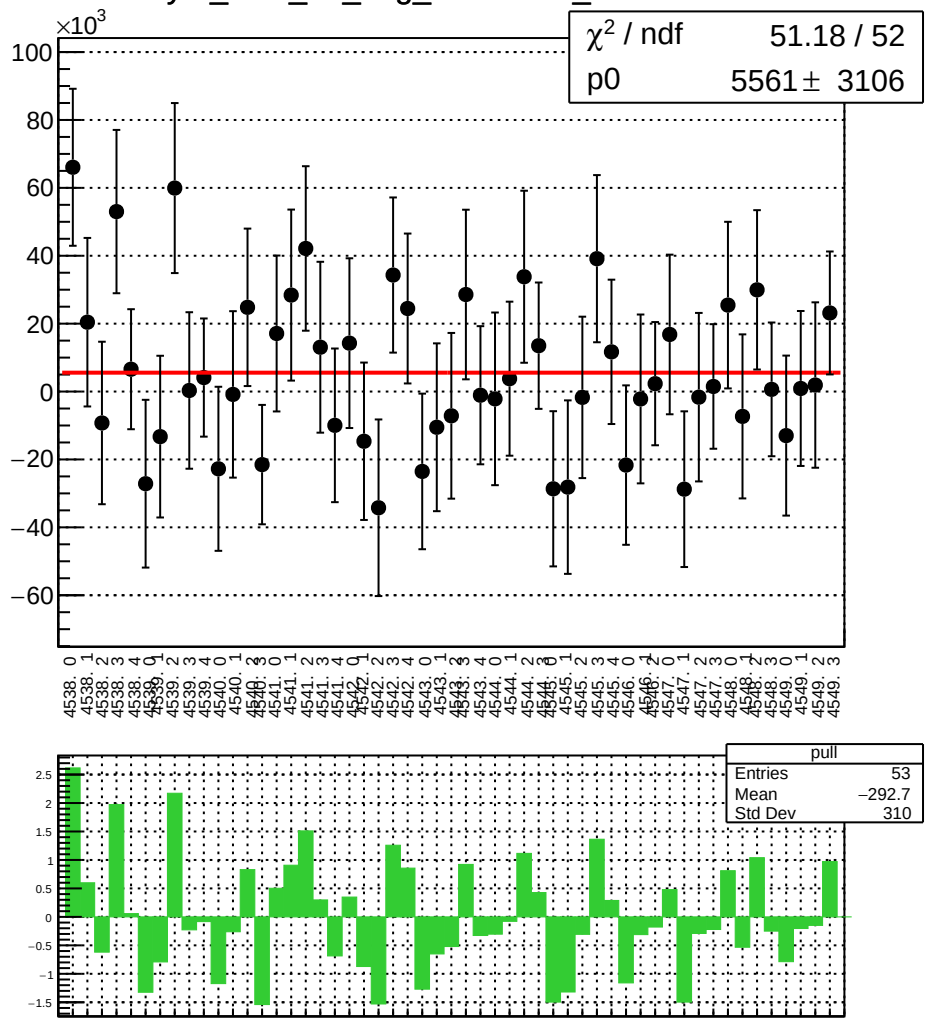

pull1D
Entries 53
Mean 0.01212
Std Dev 1.018

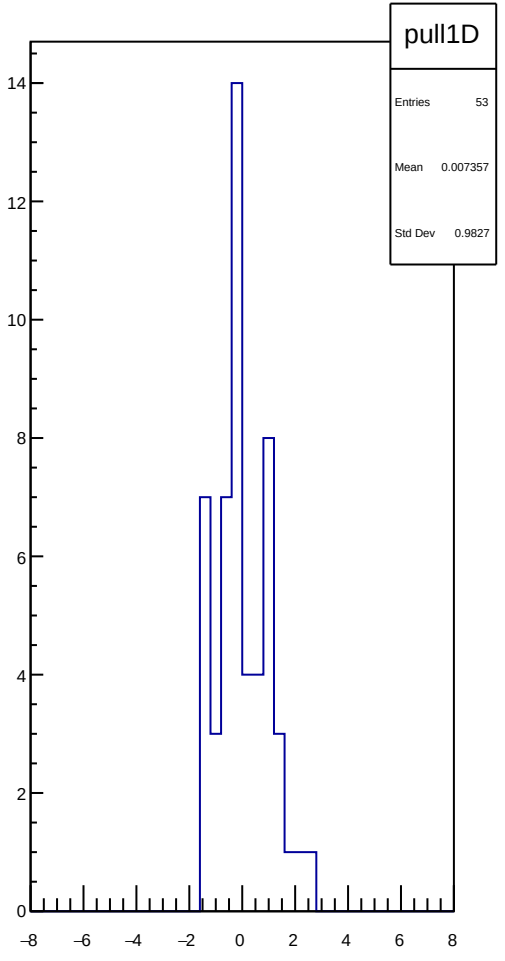

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1477 / 52
p0 6068 ± 5.848
6600
6400
6200
6000
5800
5600
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

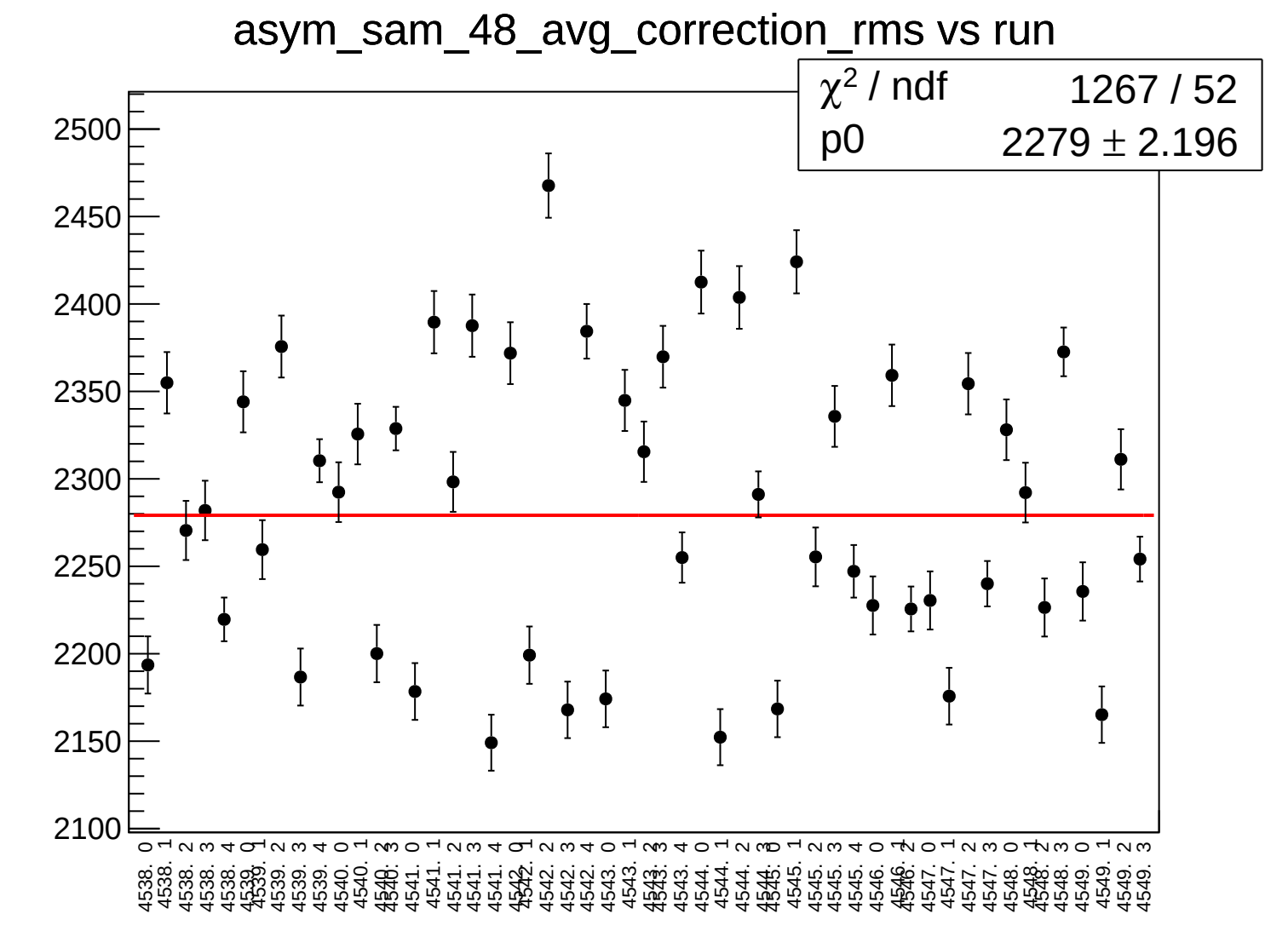

reg_asym_sam_48_avg_mean vs run
χ² / ndf 57.62 / 52
p0 −918.2 ± 697.9
pull
Entries 53
Mean 171.1
Std Dev 141.4

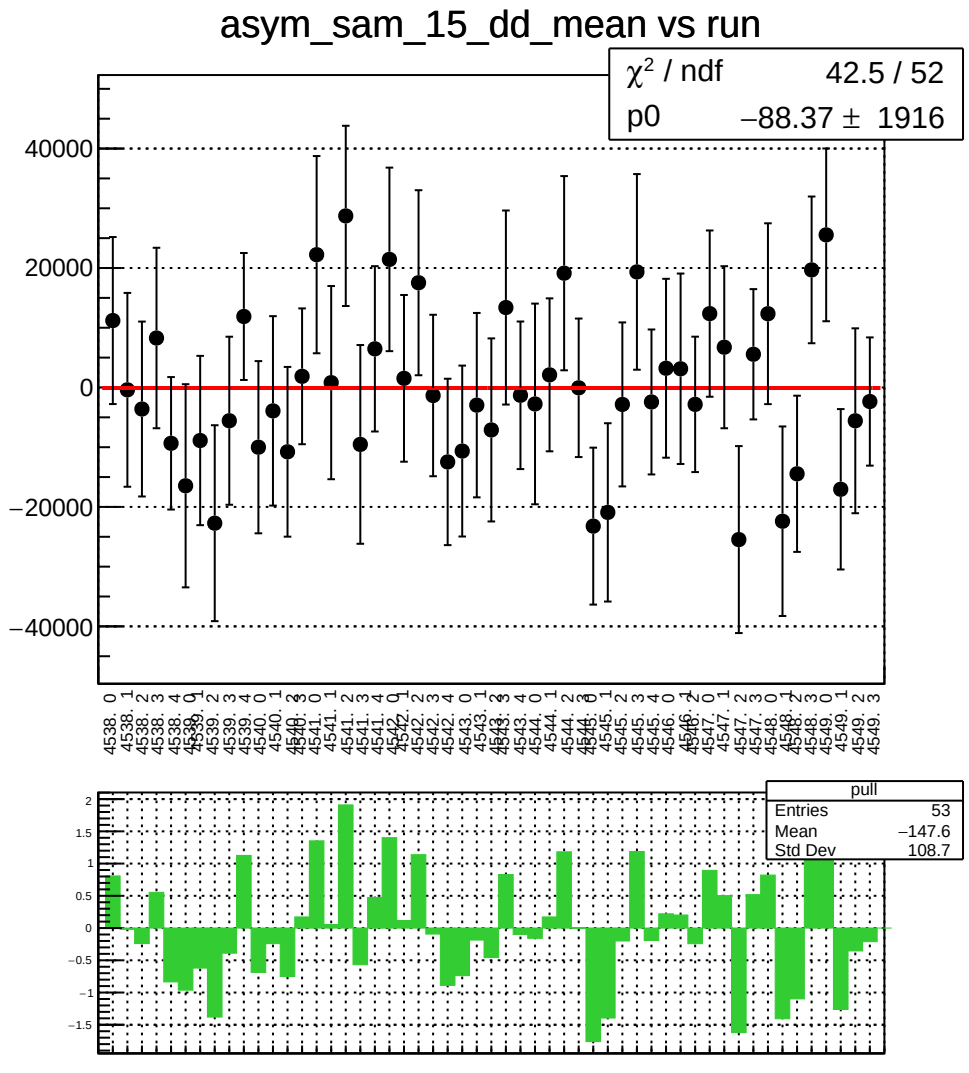

pull1D
Entries 53
Mean −0.01276
Std Dev 1.043

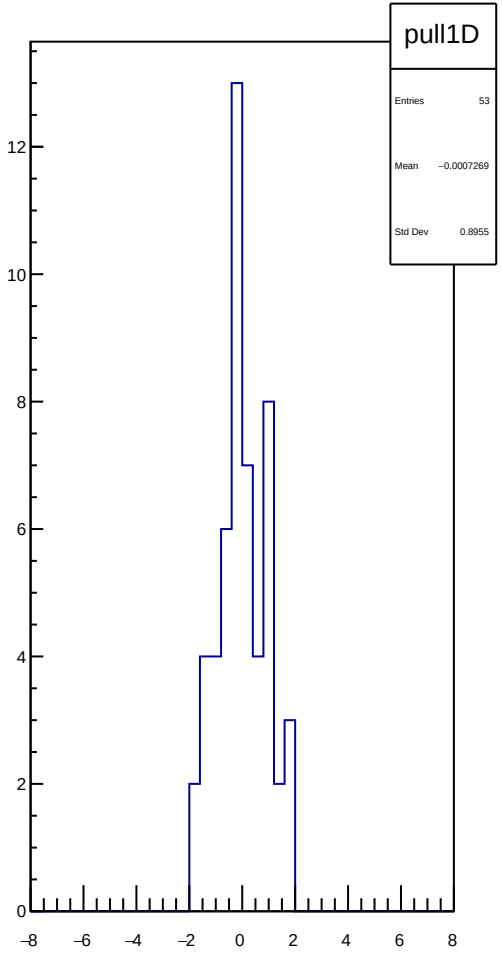

reg_asym_sam_48_avg_rms vs run
χ² / ndf 929 / 52
p0 512.2 ± 0.4935
580
560
540
520
500
480
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

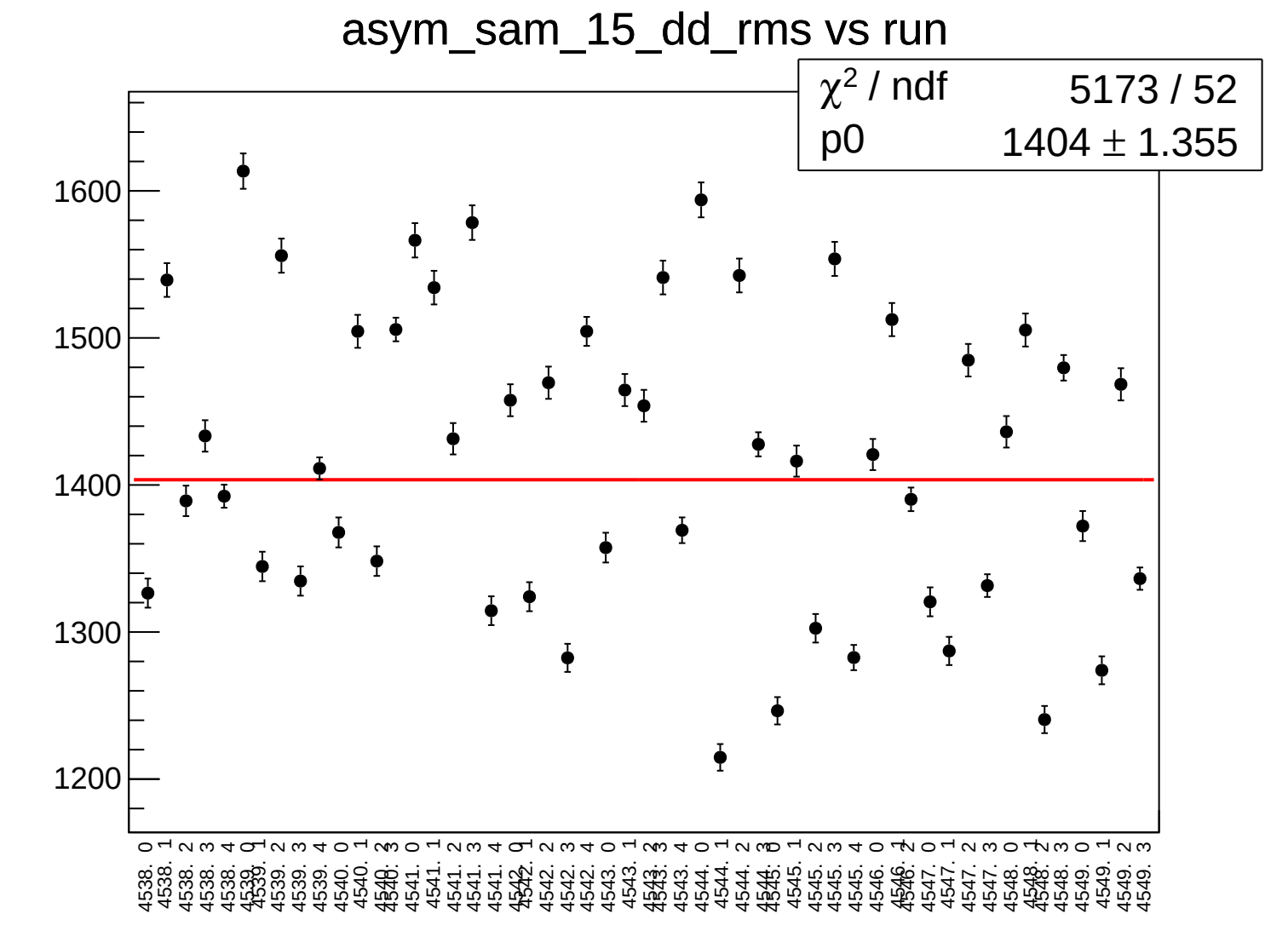

asym_sam_48_avg_correction_mean vs run
×10^3
χ^2 / ndf 51.18 / 52
p0 5561 ± 3106
pull
Entries 53
Mean −292.7
Std Dev 310

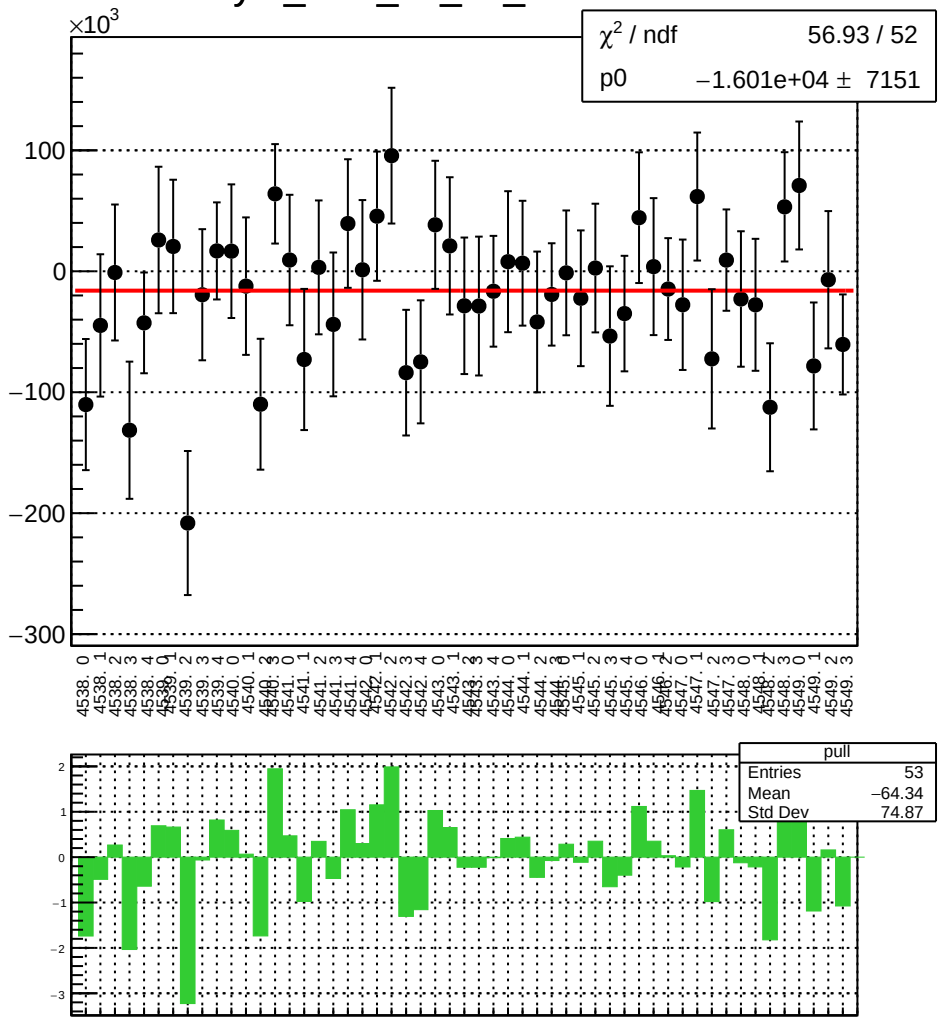

pull1D
Entries 53
Mean 0.007357
Std Dev 0.9827

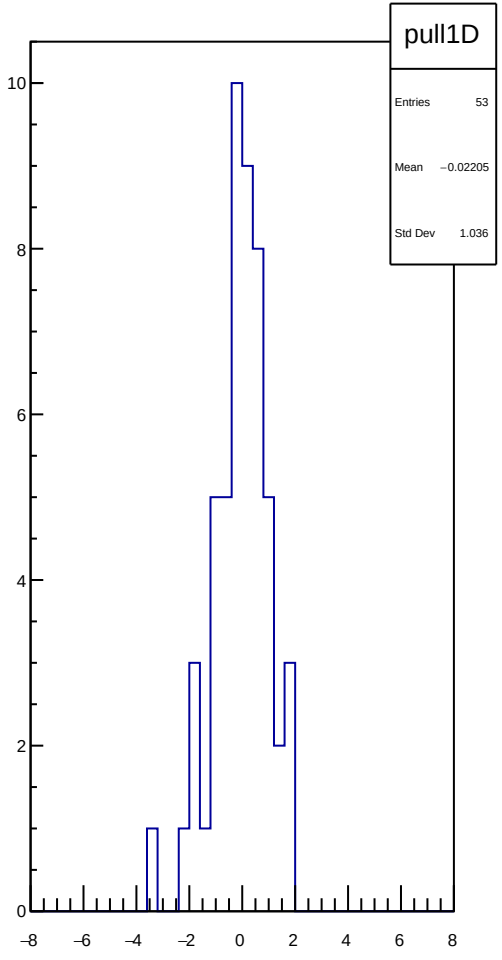

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1267 / 52
p0 2279 ± 2.196
2500
2450
2400
2350
2300
2250
2200
2150
2100
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

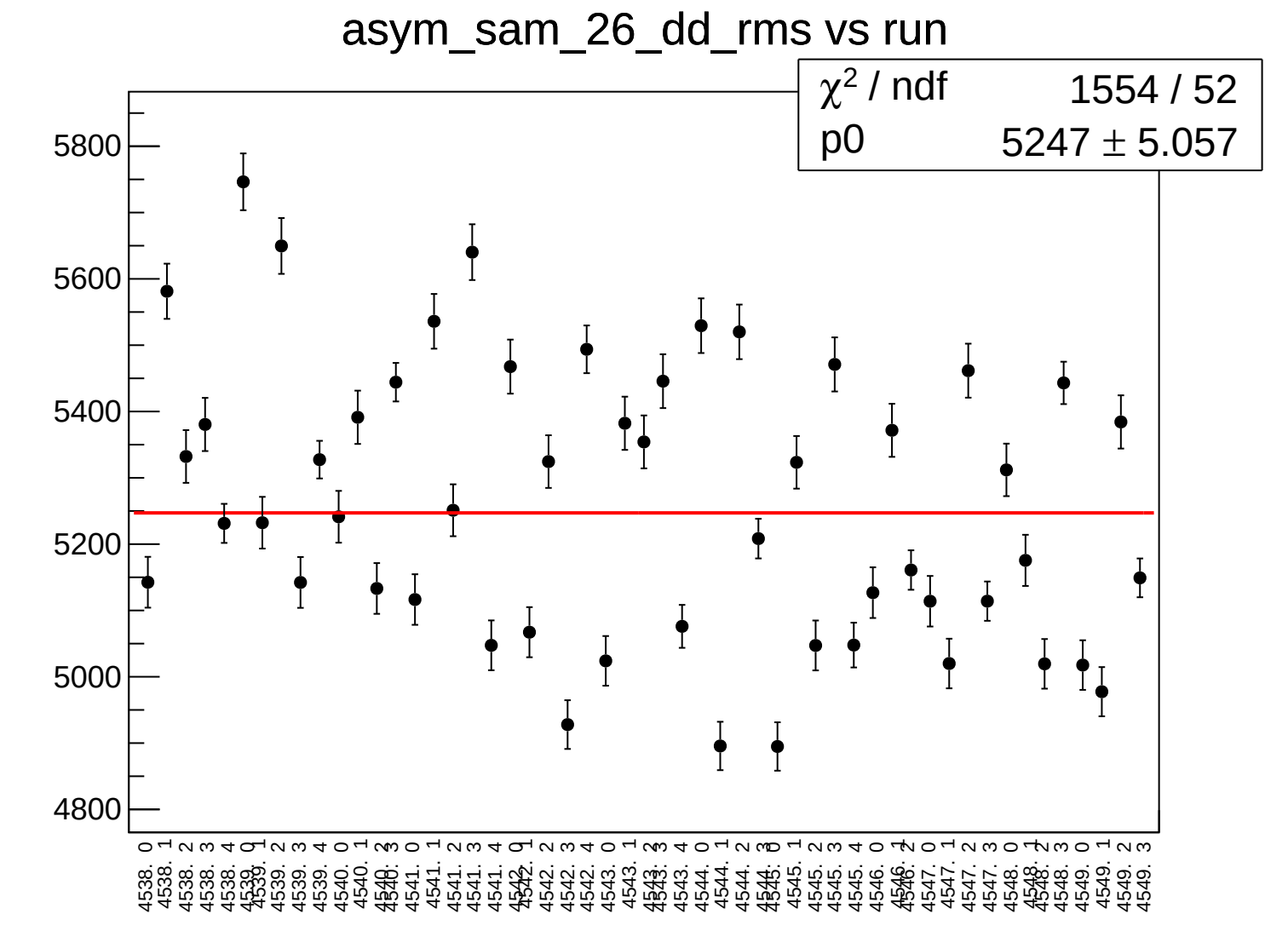

asym_sam_15_dd_mean vs run
χ² / ndf 42.5 / 52
p0 −88.37 ± 1916
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −147.6
Std Dev 108.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

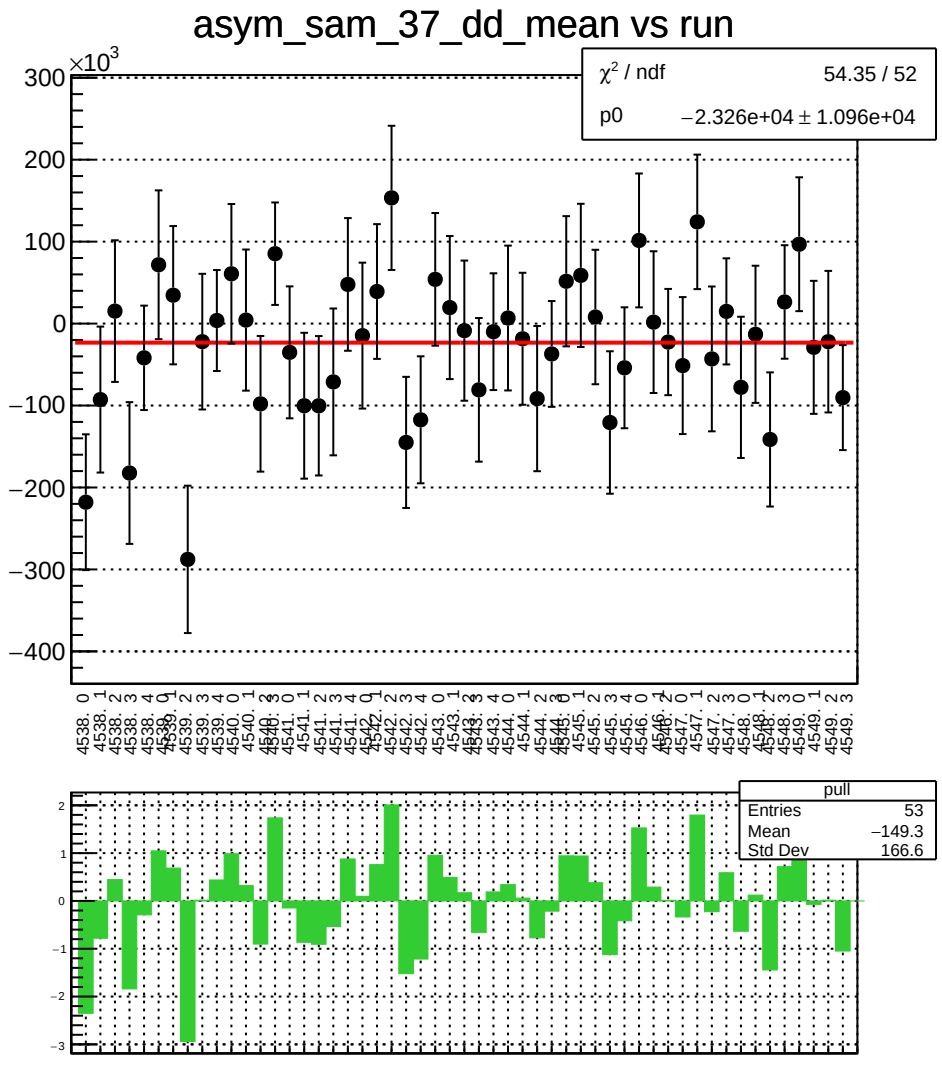

pull1D
Entries 53
Mean −0.0007269
Std Dev 0.8955
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

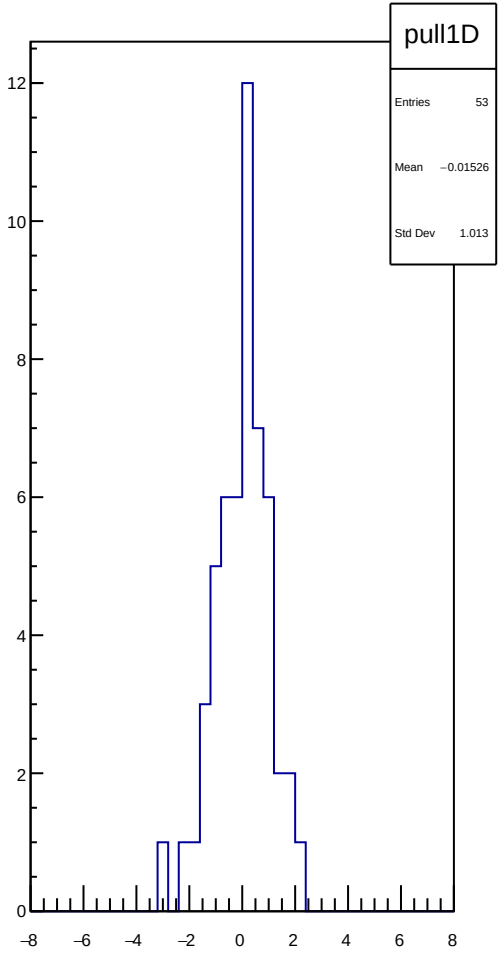

asym_sam_15_dd_rms vs run
χ² / ndf 5173 / 52
p0 1404 ± 1.355
1600
1500
1400
1300
1200
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

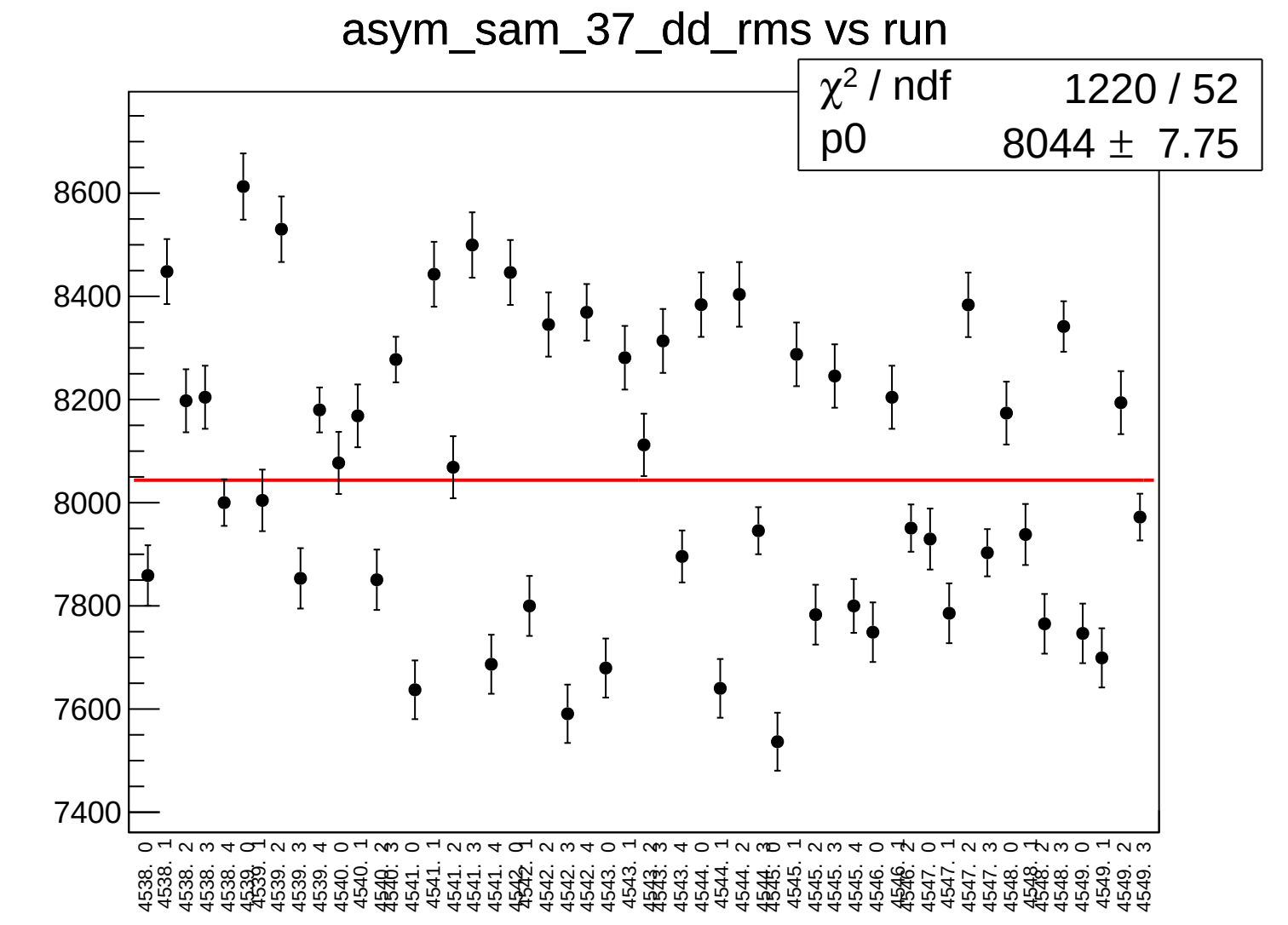

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 56.93 / 52
p0 −1.601e+04 ± 7151
100
0
−100
−200
−300
pull
Entries 53
Mean −64.34
Std Dev 74.87
2
1
0
−1
−2
−3

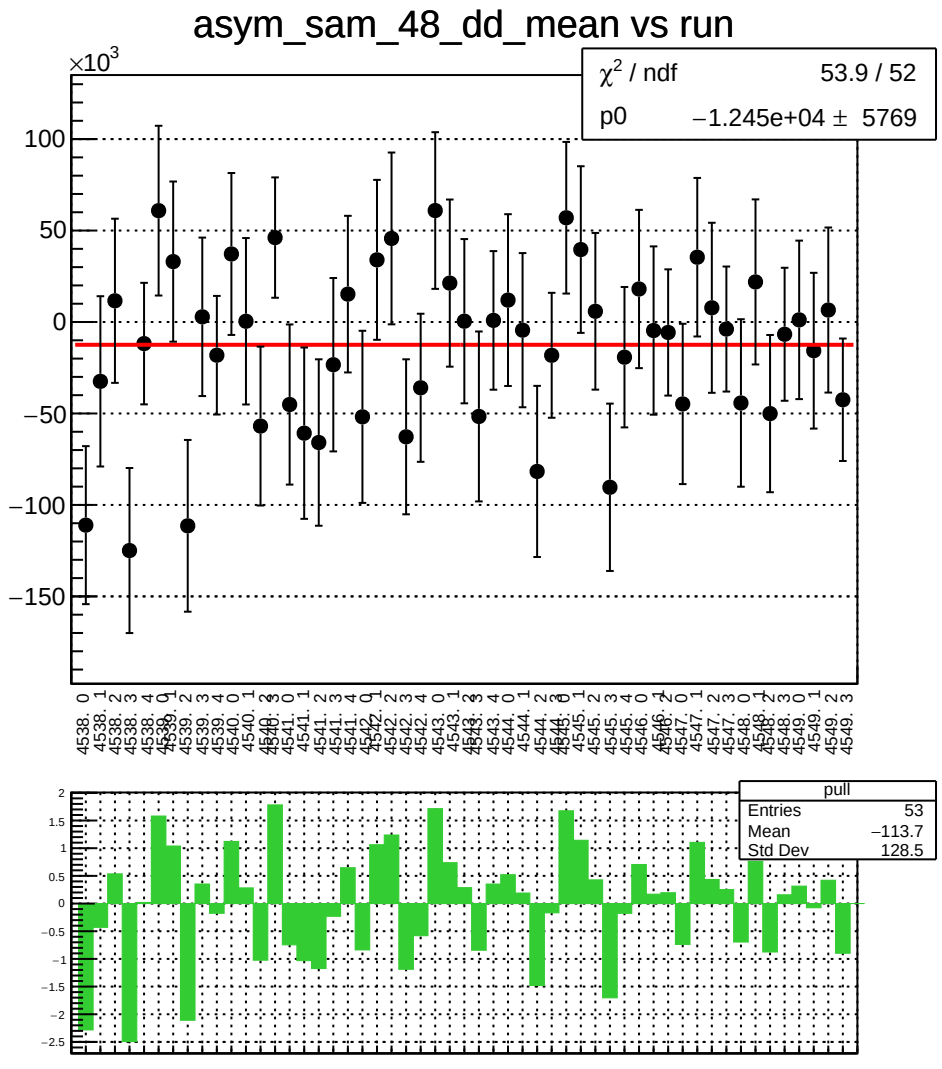

pull1D
Entries 53
Mean −0.02205
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

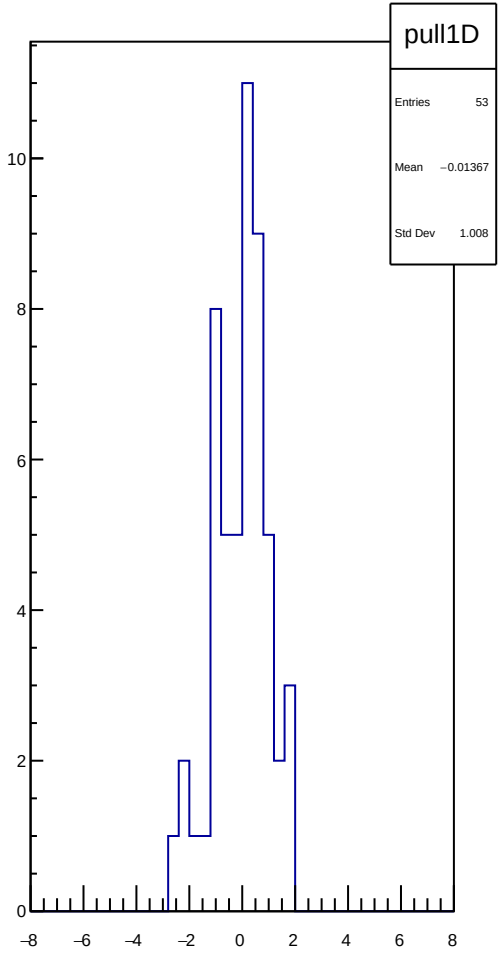

asym_sam_26_dd_rms vs run
χ^2 / ndf 1554 / 52
p0 5247 ± 5.057
5800
5600
5400
5200
5000
4800
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

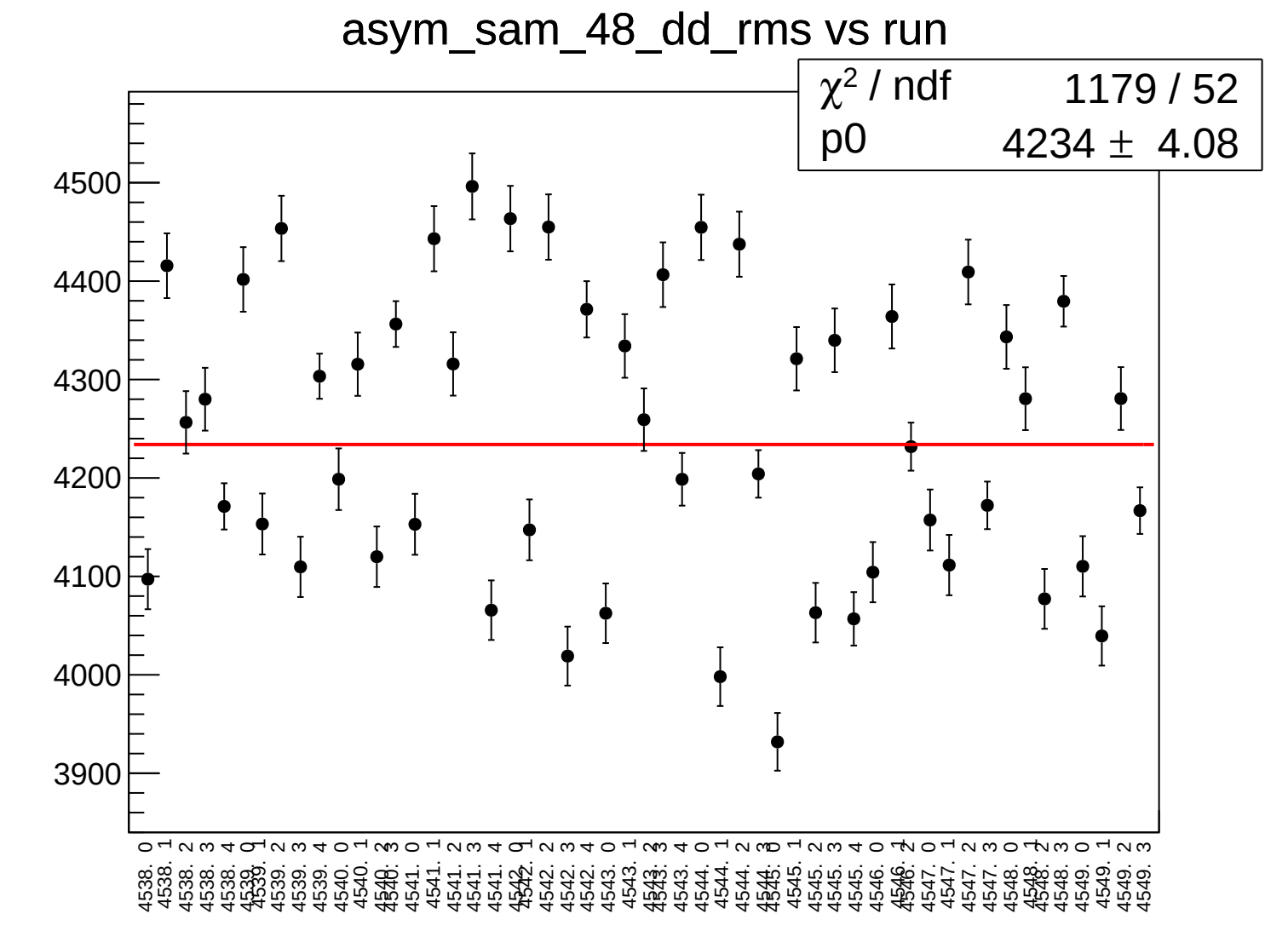

asym_sam_37_dd_mean vs run
×10^3
χ² / ndf 54.35 / 52
p0 −2.326e+04 ± 1.096e+04
pull
Entries 53
Mean −149.3
Std Dev 166.6

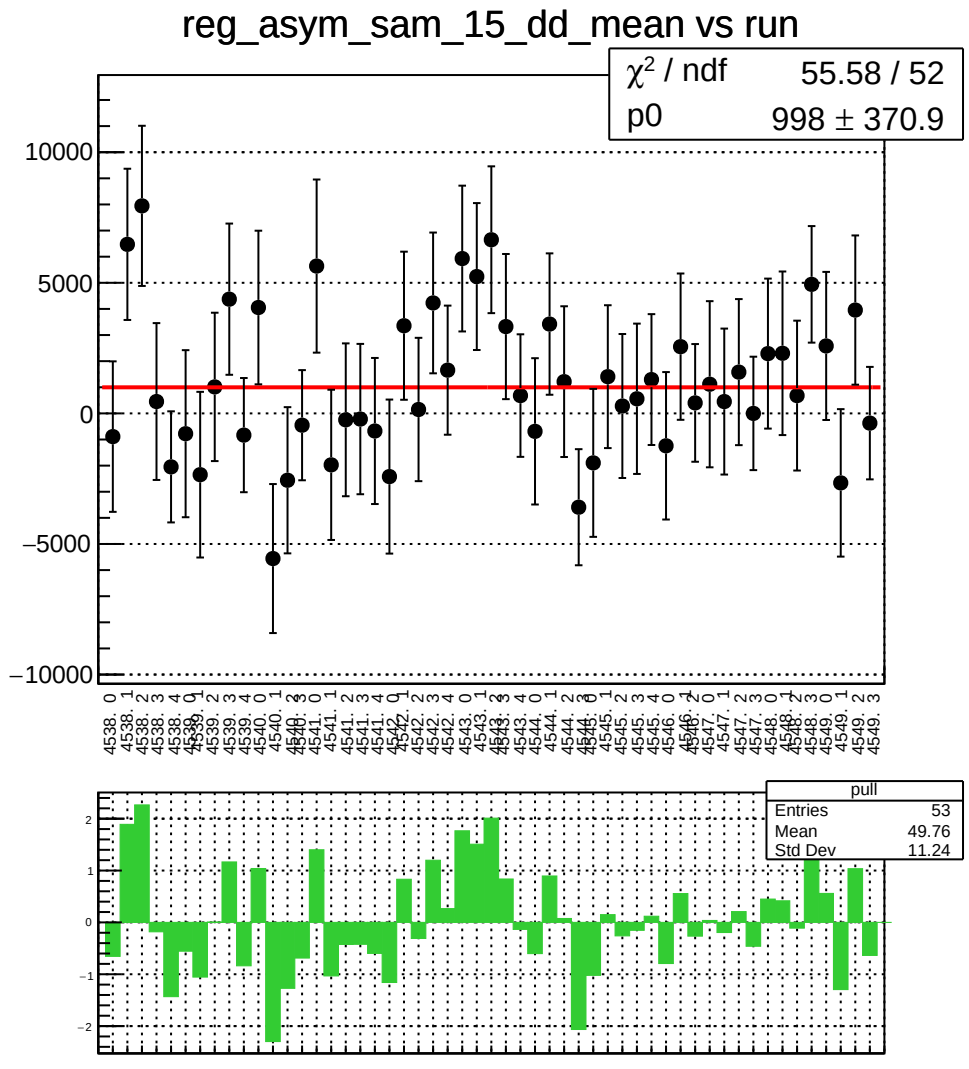

pull1D
Entries 53
Mean −0.01526
Std Dev 1.013

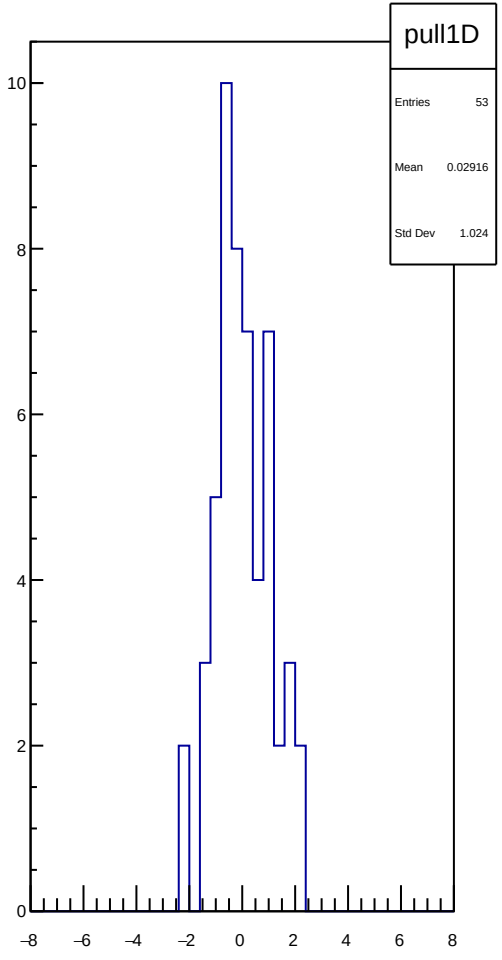

asym_sam_37_dd_rms vs run
χ² / ndf 1220 / 52
p0 8044 ± 7.75
8600
8400
8200
8000
7800
7600
7400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

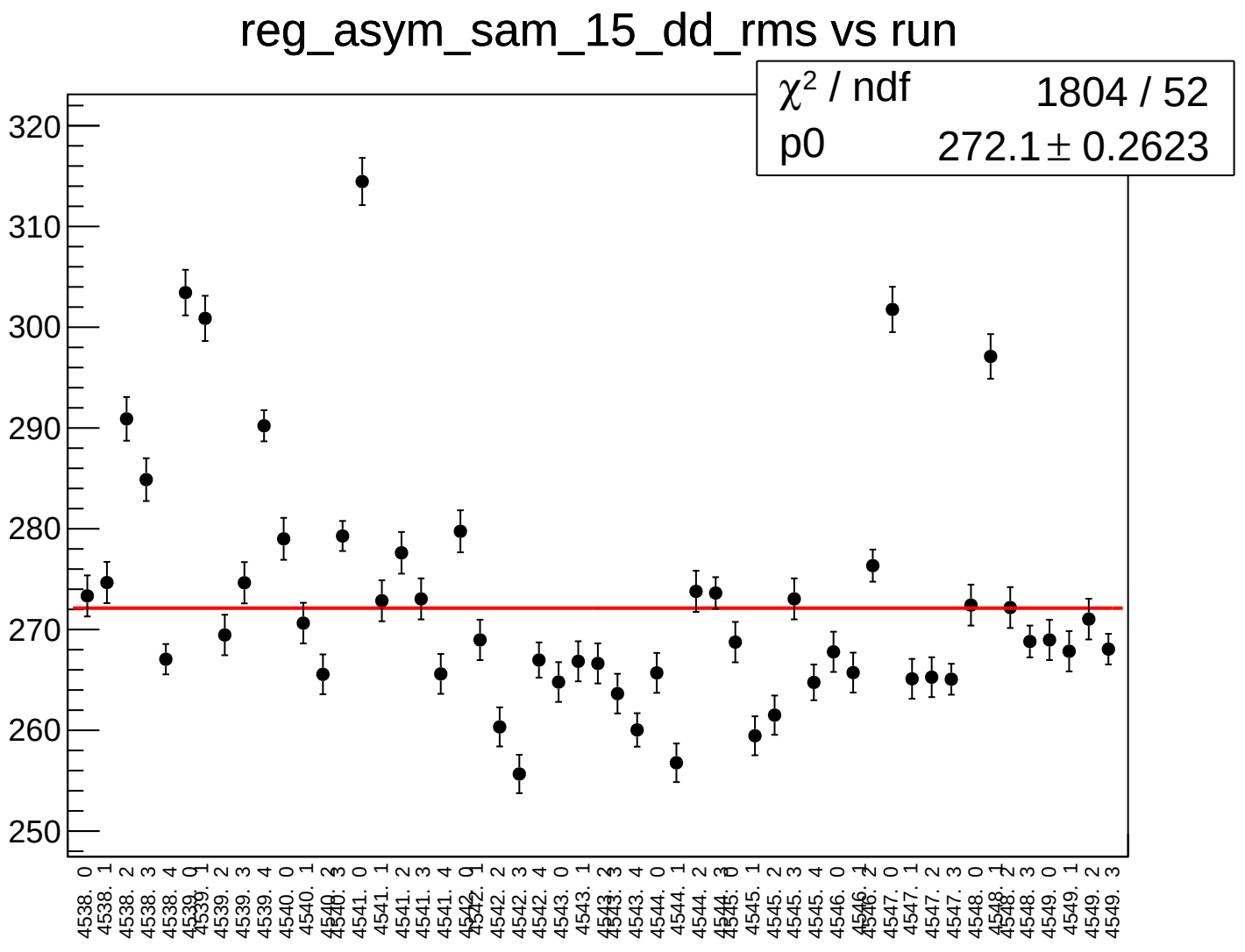

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 53.9 / 52
p0 −1.245e+04 ± 5769
100
50
0
−50
−100
−150
pull
Entries 53
Mean −113.7
Std Dev 128.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

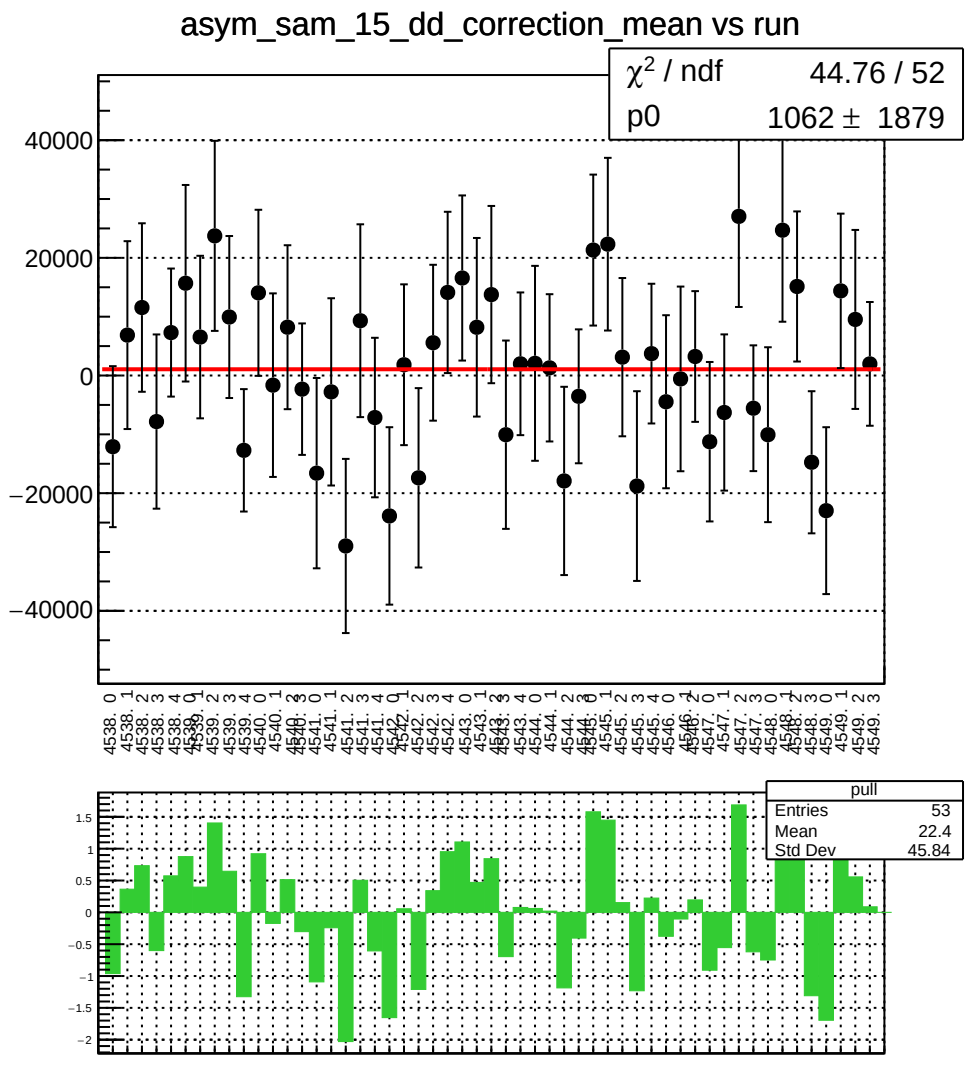

pull1D
Entries 53
Mean −0.01367
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

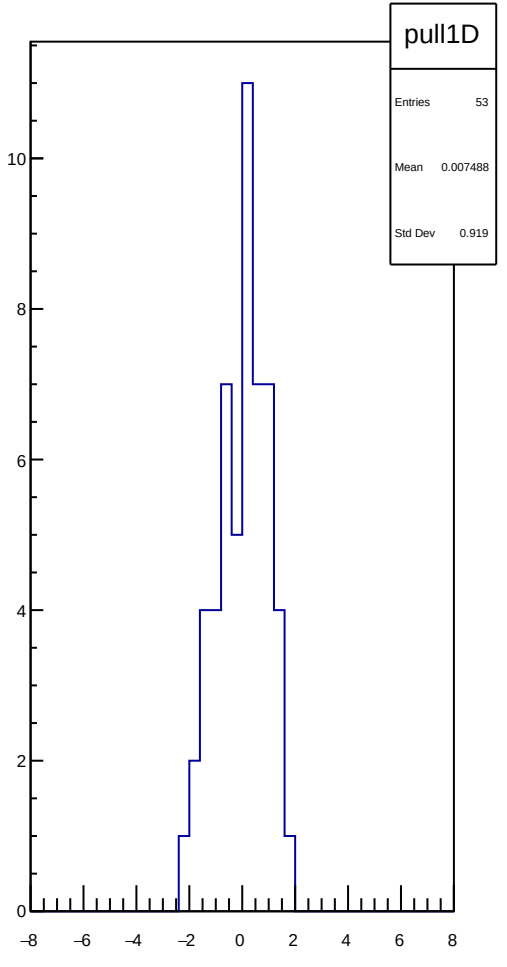

asym_sam_48_dd_rms vs run
χ² / ndf 1179 / 52
p0 4234 ± 4.08
4500
4400
4300
4200
4100
4000
3900
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

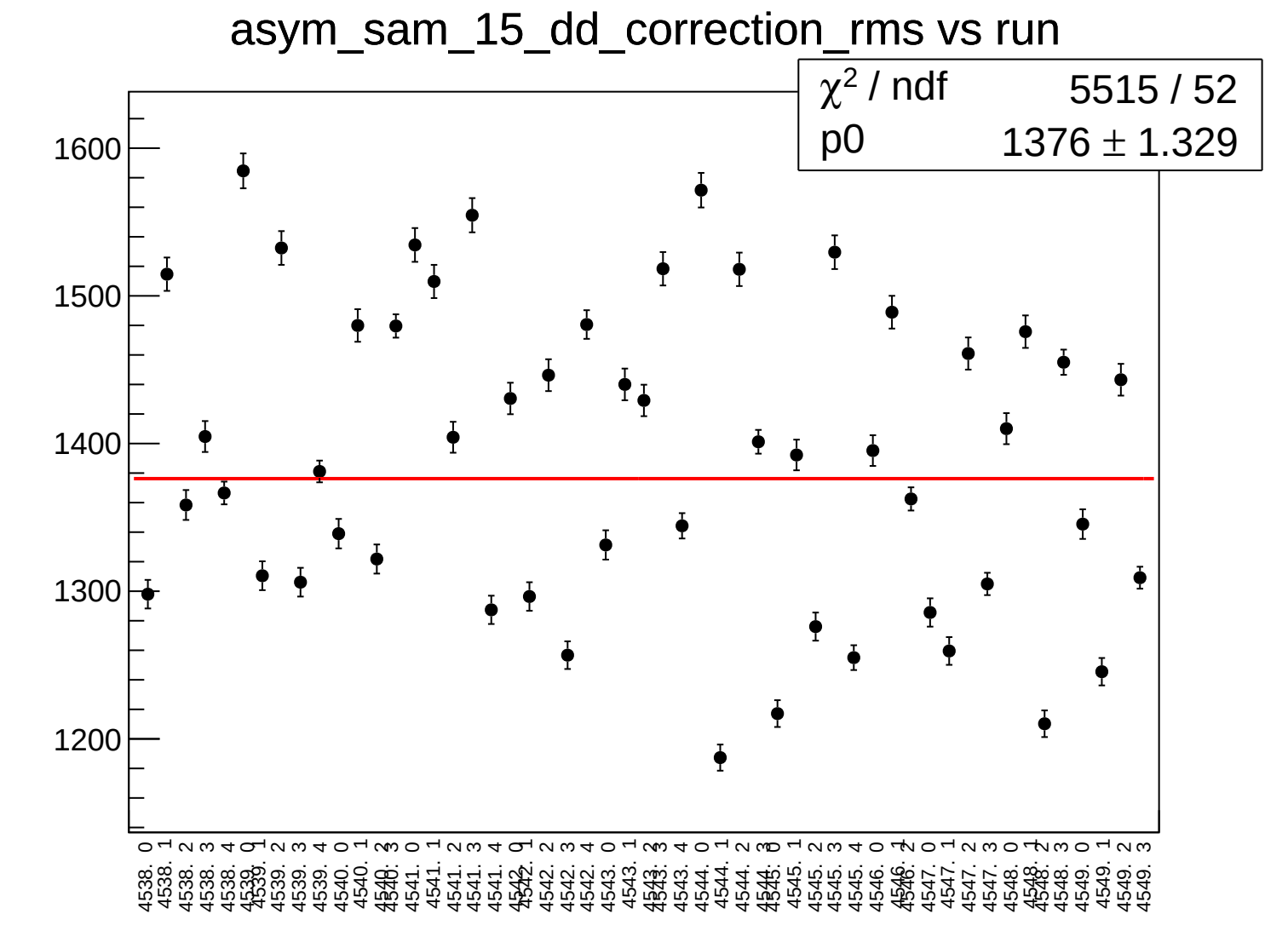

reg_asym_sam_15_dd_mean vs run
χ² / ndf 55.58 / 52
p0 998 ± 370.9
pull
Entries 53
Mean 49.76
Std Dev 11.24

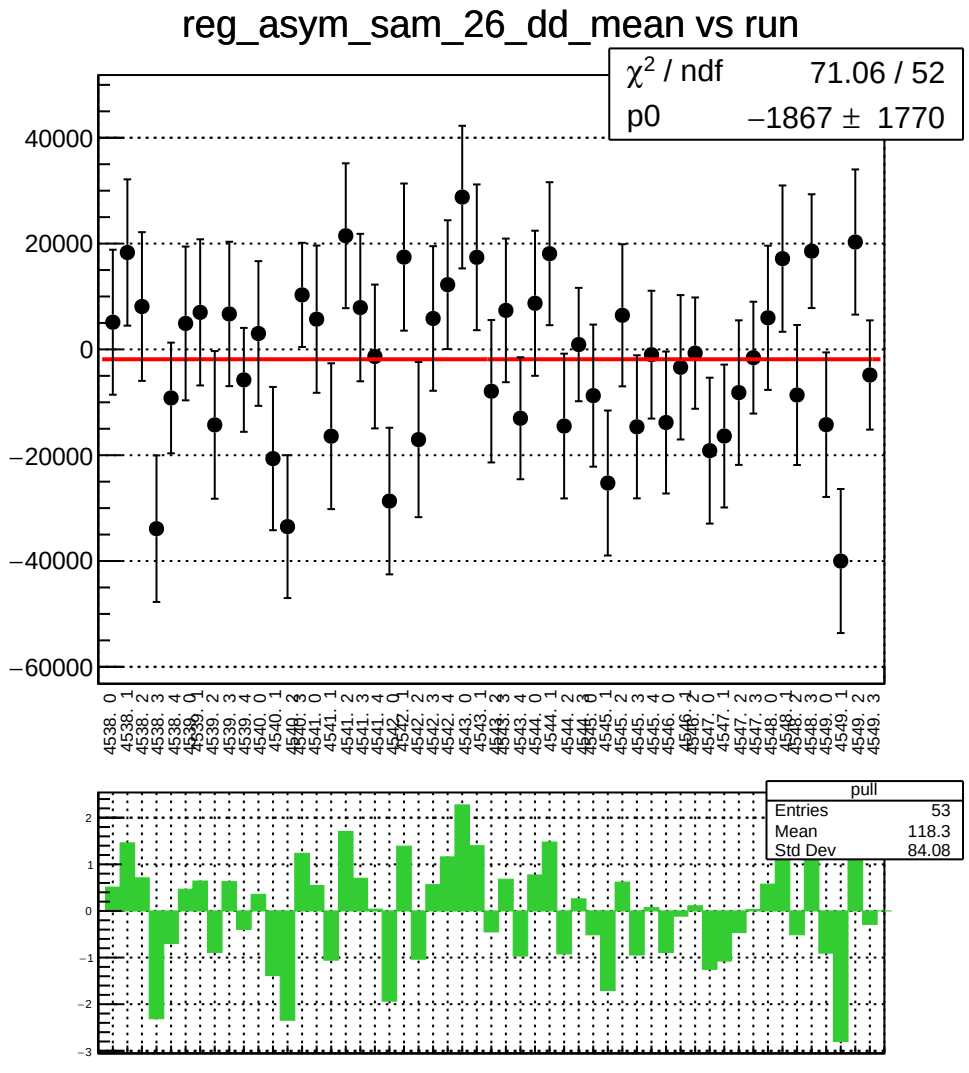

pull1D
Entries 53
Mean 0.02916
Std Dev 1.024

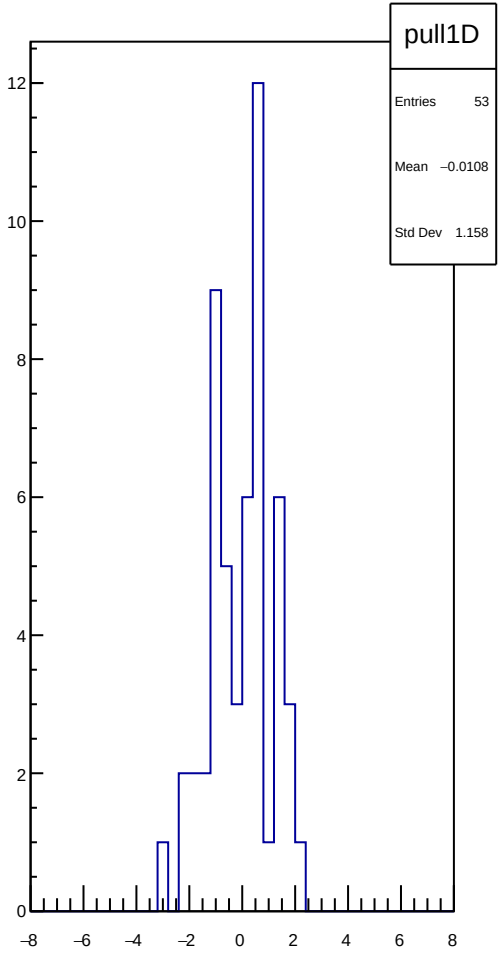

reg_asym_sam_15_dd_rms vs run
χ² / ndf 1804 / 52
p0 272.1 ± 0.2623
320
310
300
290
280
270
260
250
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

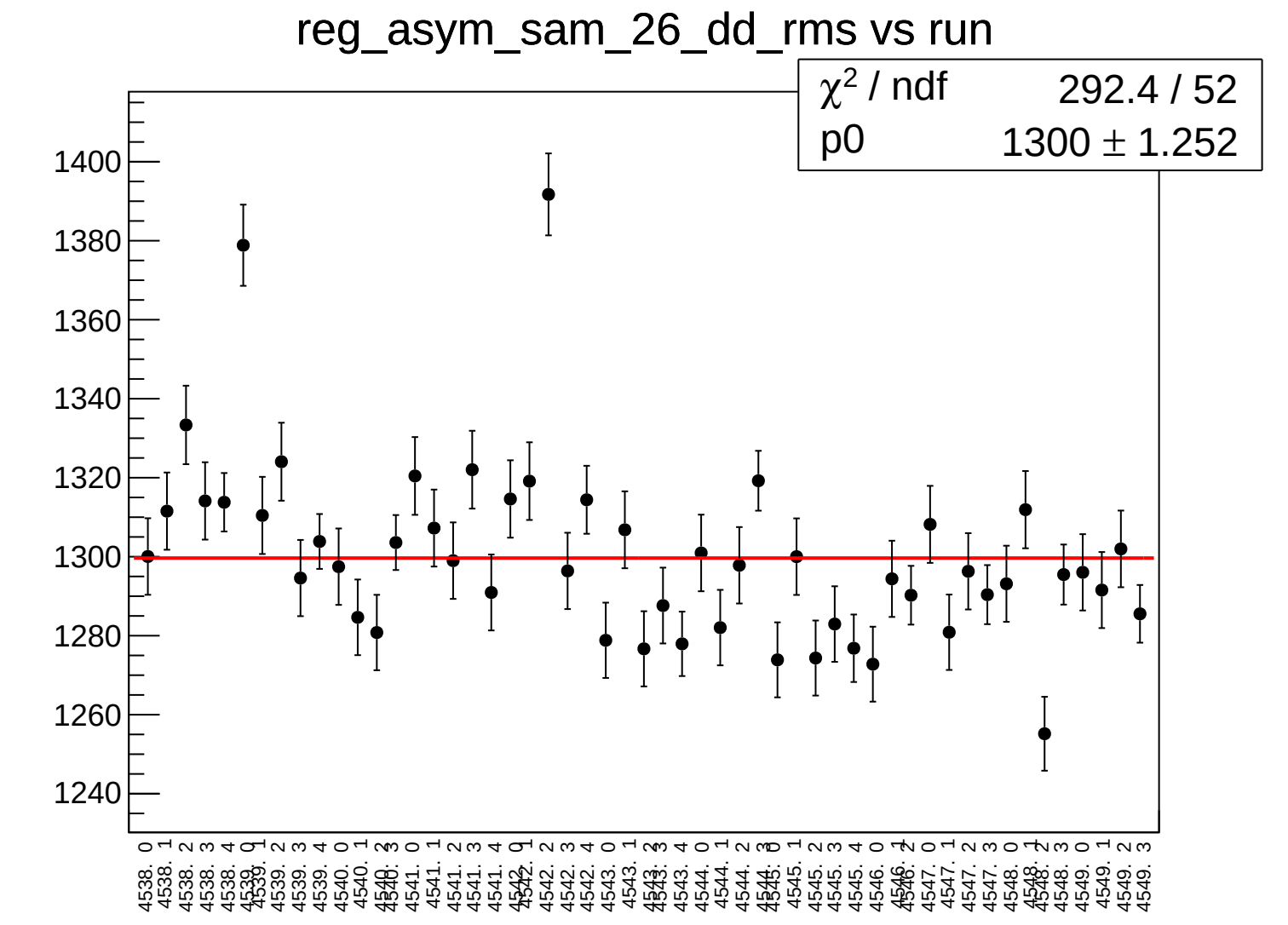

asym_sam_15_dd_correction_mean vs run
χ² / ndf 44.76 / 52
p0 1062 ± 1879
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 22.4
Std Dev 45.84
1.5
1
0.5
0
−0.5
−1
−1.5
−2

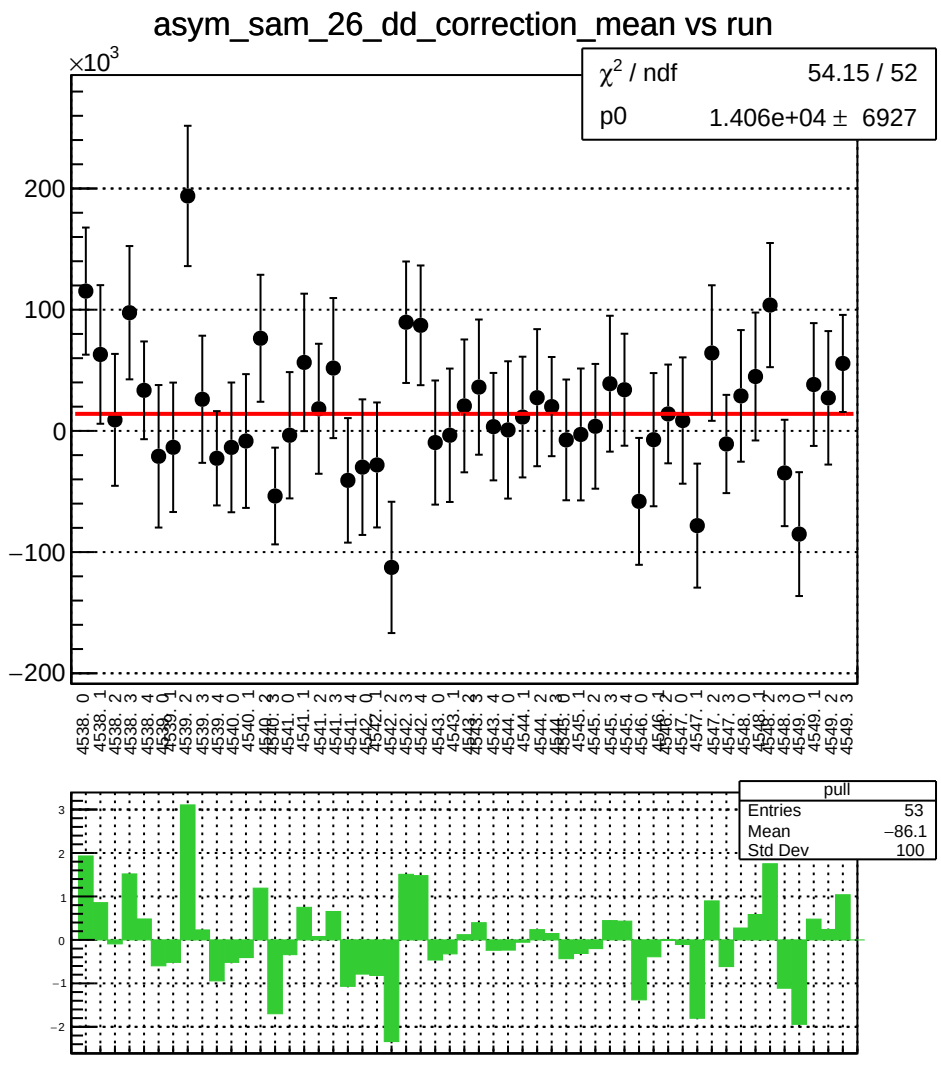

pull1D
Entries 53
Mean 0.007488
Std Dev 0.919
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

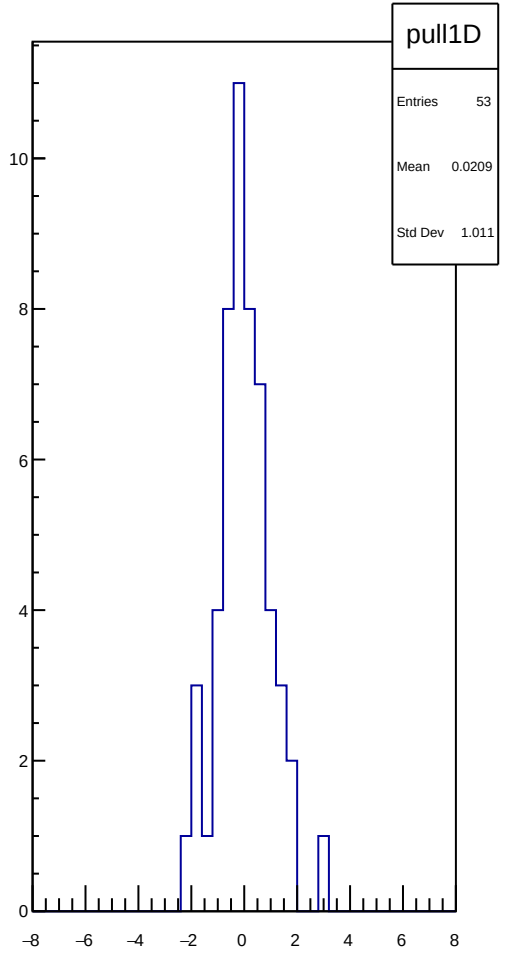

asym_sam_15_dd_correction_rms vs run
χ² / ndf 5515 / 52
p0 1376 ± 1.329
1600
1500
1400
1300
1200
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

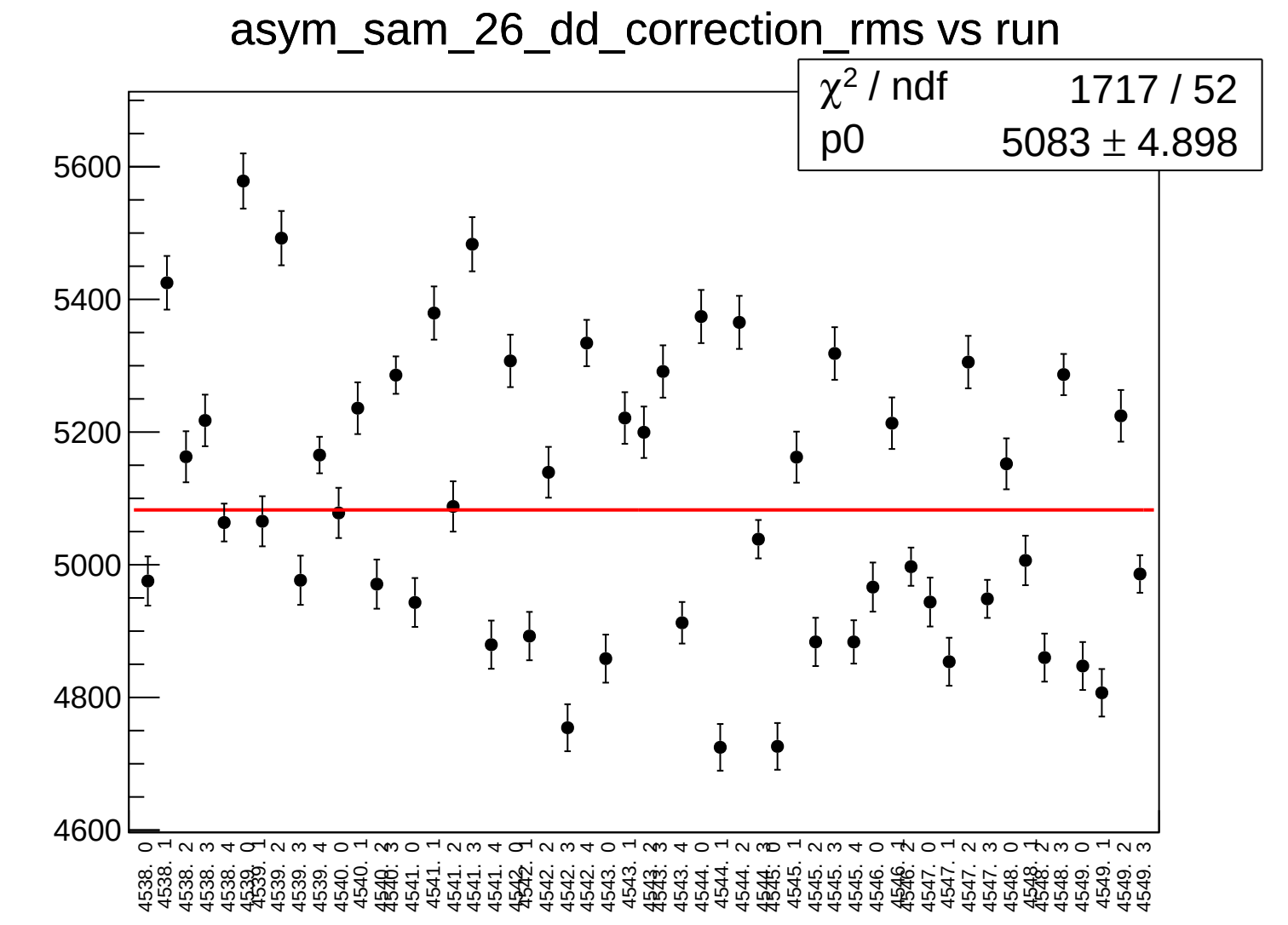

reg_asym_sam_26_dd_mean vs run
χ² / ndf 71.06 / 52
p0 −1867 ± 1770
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 118.3
Std Dev 84.08
2
1
0
−1
−2
−3

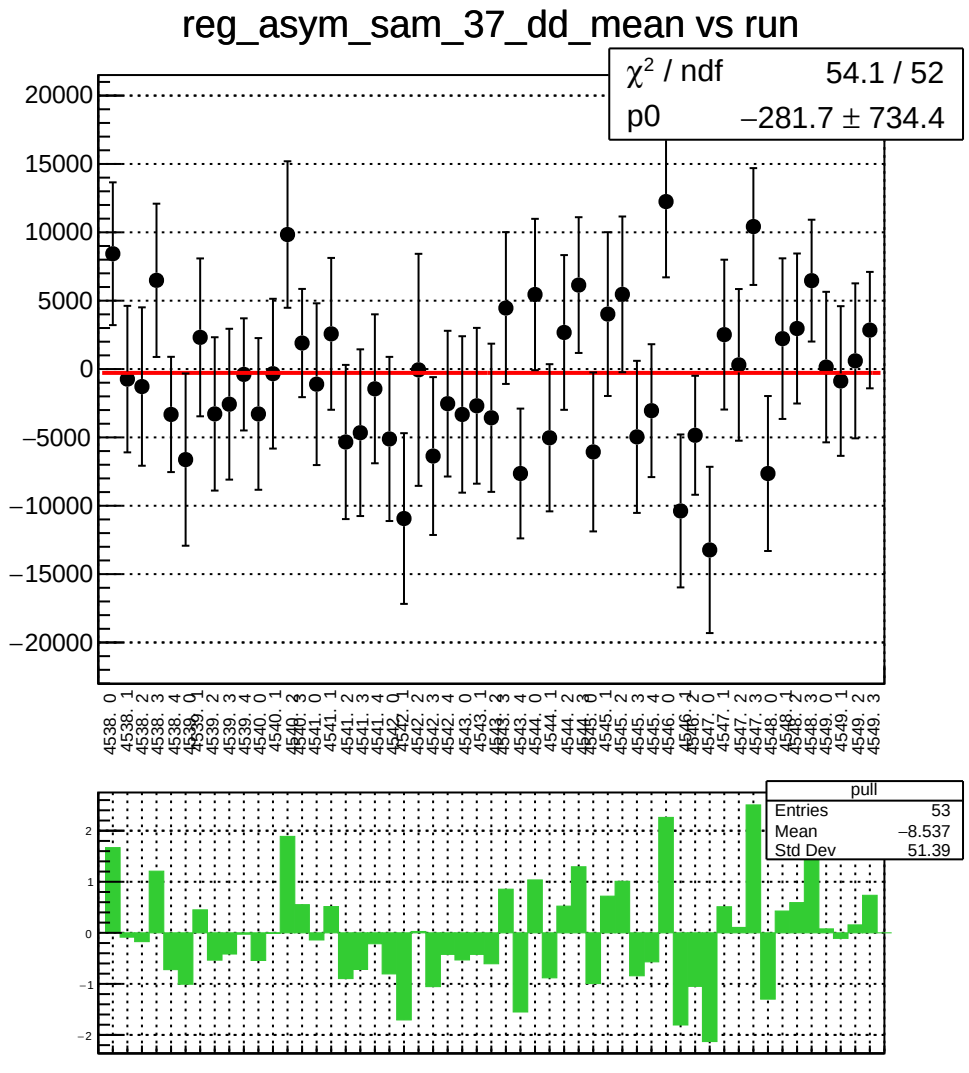

pull1D
Entries 53
Mean −0.0108
Std Dev 1.158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

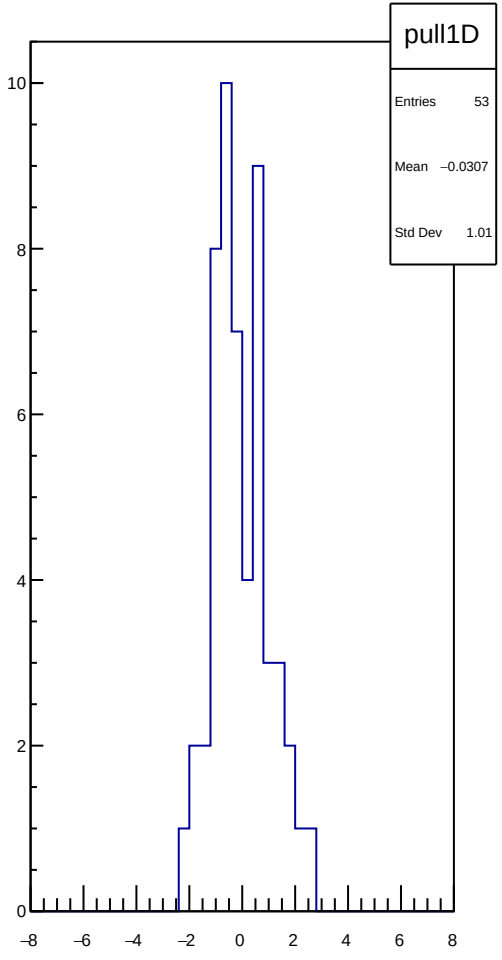

reg_asym_sam_26_dd_rms vs run
χ² / ndf 292.4 / 52
p0 1300 ± 1.252
1400
1380
1360
1340
1320
1300
1280
1260
1240
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

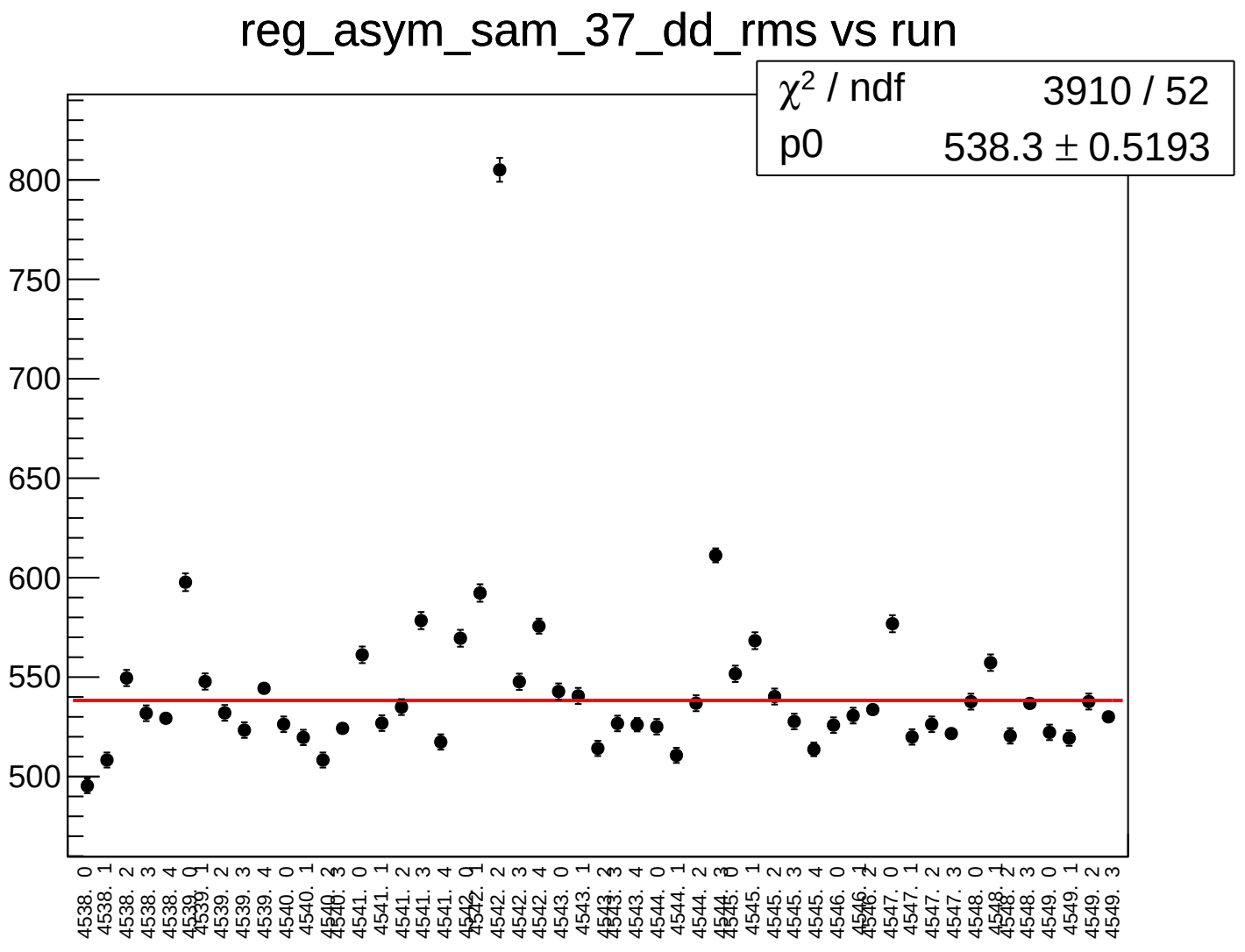

asym_sam_26_dd_correction_mean vs run
χ² / ndf 54.15 / 52
p0 1.406e+04 ± 6927
pull
Entries 53
Mean −86.1
Std Dev 100

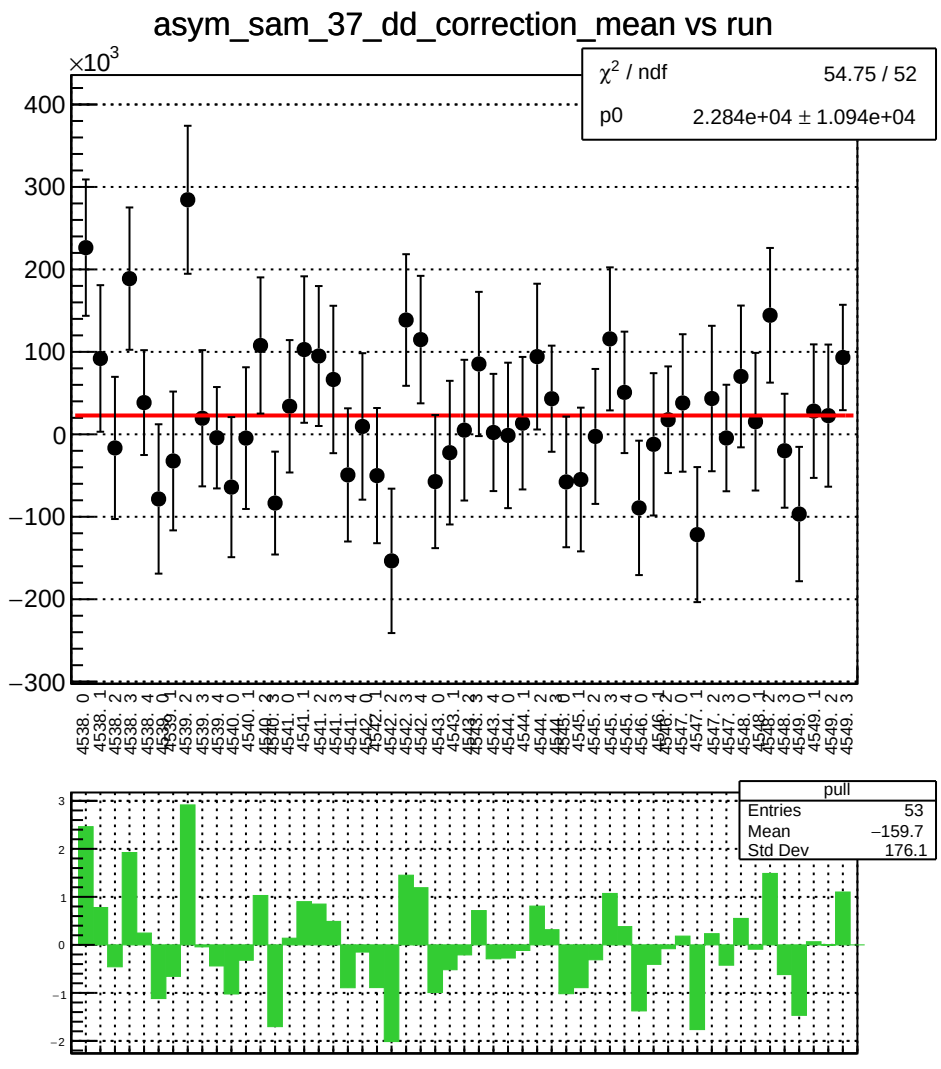

pull1D
Entries 53
Mean 0.0209
Std Dev 1.011

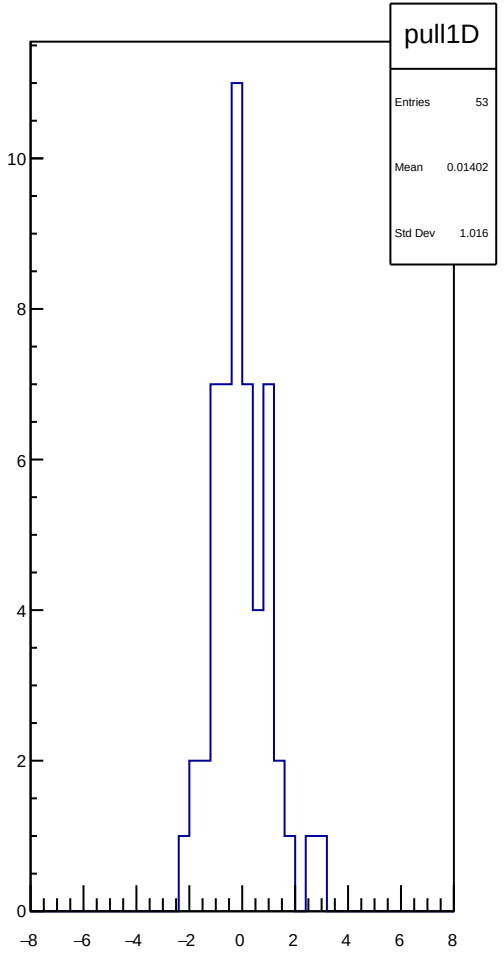

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1717 / 52
p0 5083 ± 4.898
5600
5400
5200
5000
4800
4600
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

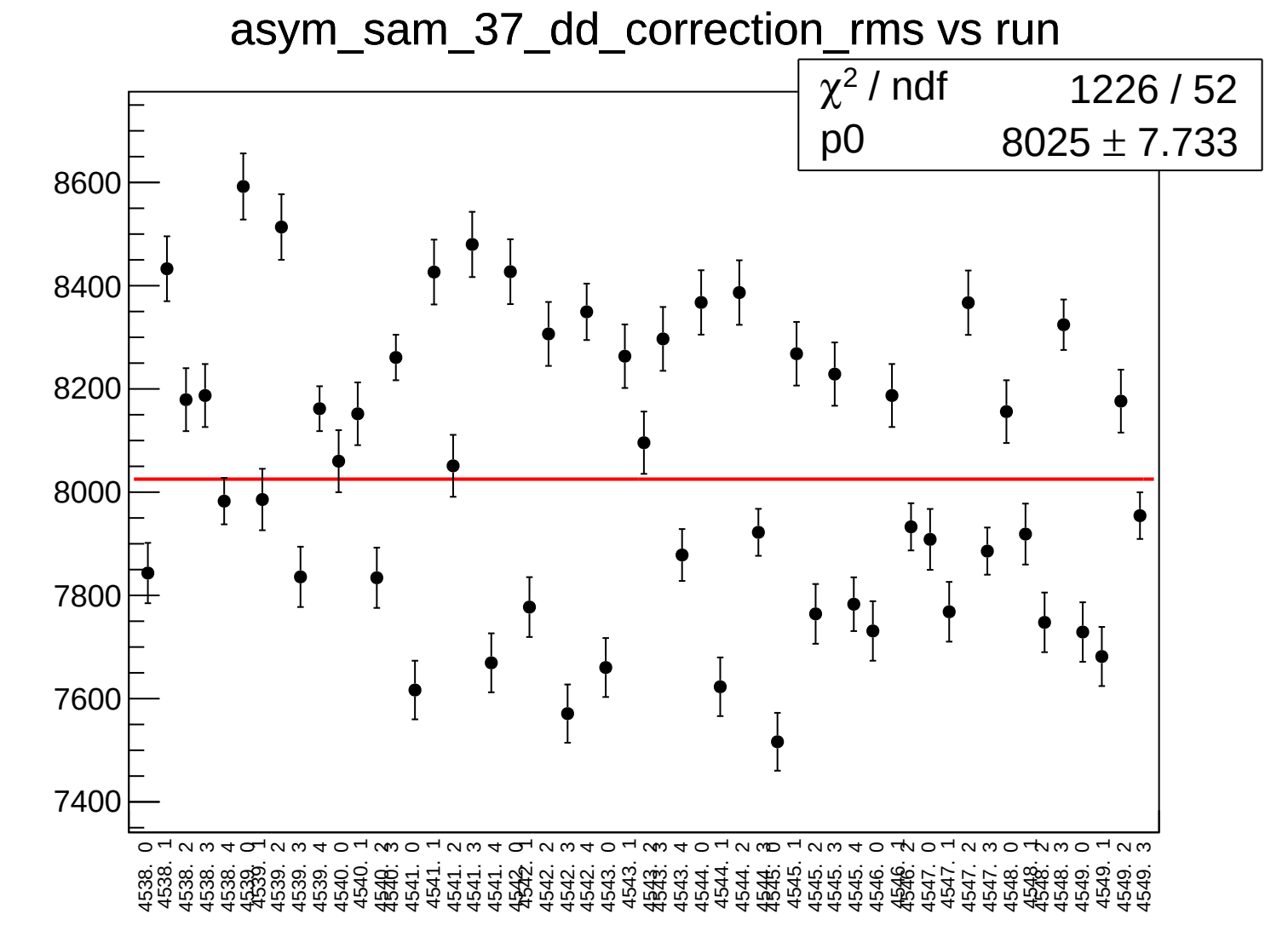

reg_asym_sam_37_dd_mean vs run
χ² / ndf 54.1 / 52
p0 −281.7 ± 734.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean −8.537
Std Dev 51.39
2
1
0
−1
−2

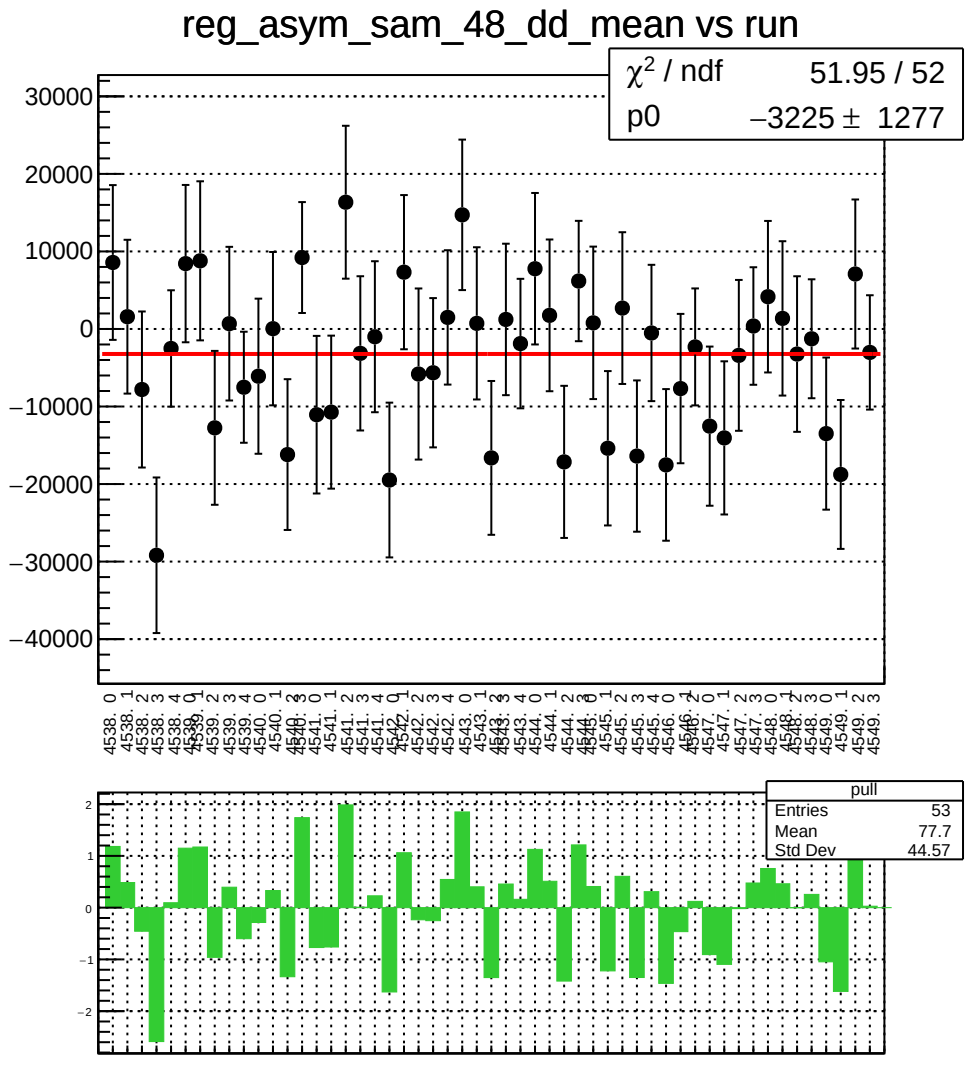

pull1D
Entries 53
Mean −0.0307
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

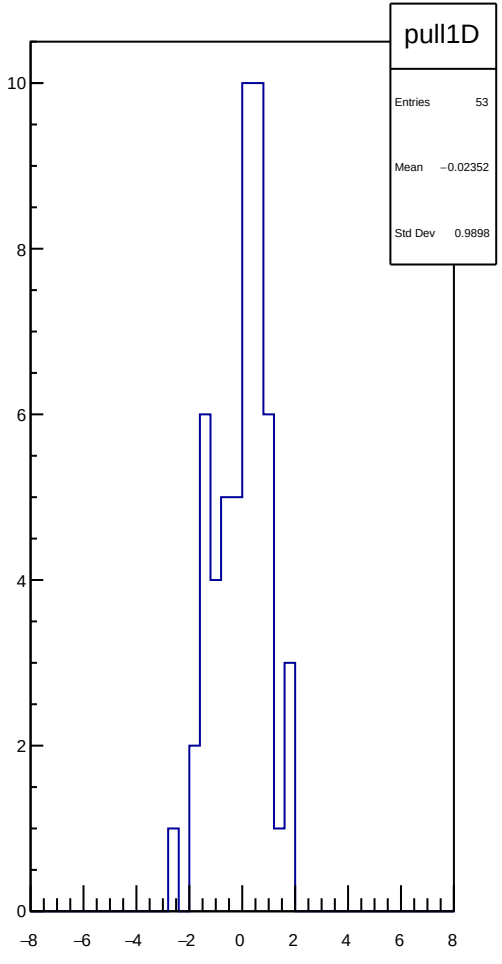

reg_asym_sam_37_dd_rms vs run
χ² / ndf 3910 / 52
p0 538.3 ± 0.5193
800
750
700
650
600
550
500
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

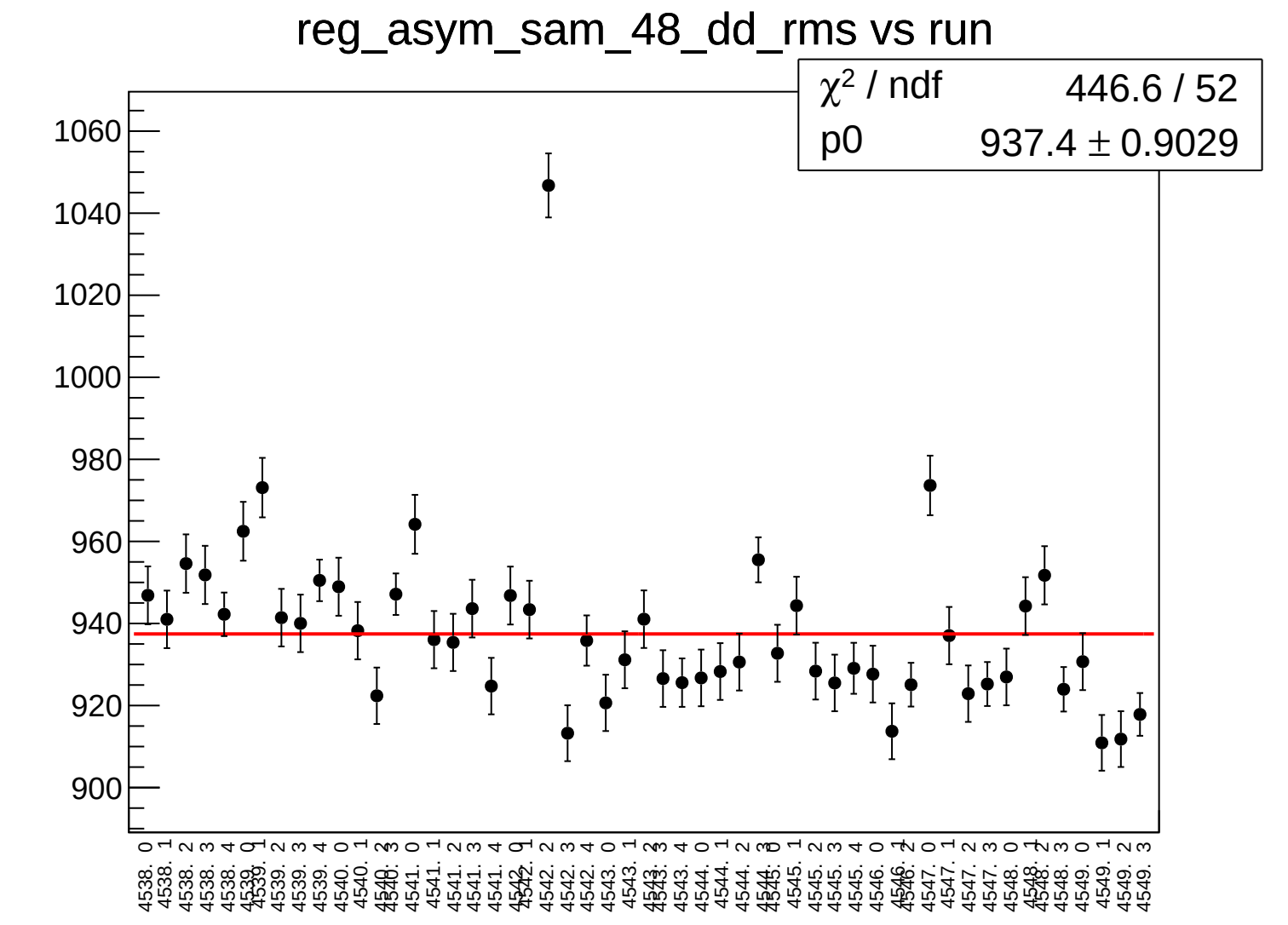

asym_sam_37_dd_correction_mean vs run
×10^3
χ² / ndf 54.75 / 52
p0 2.284e+04 ± 1.094e+04
pull
Entries 53
Mean −159.7
Std Dev 176.1

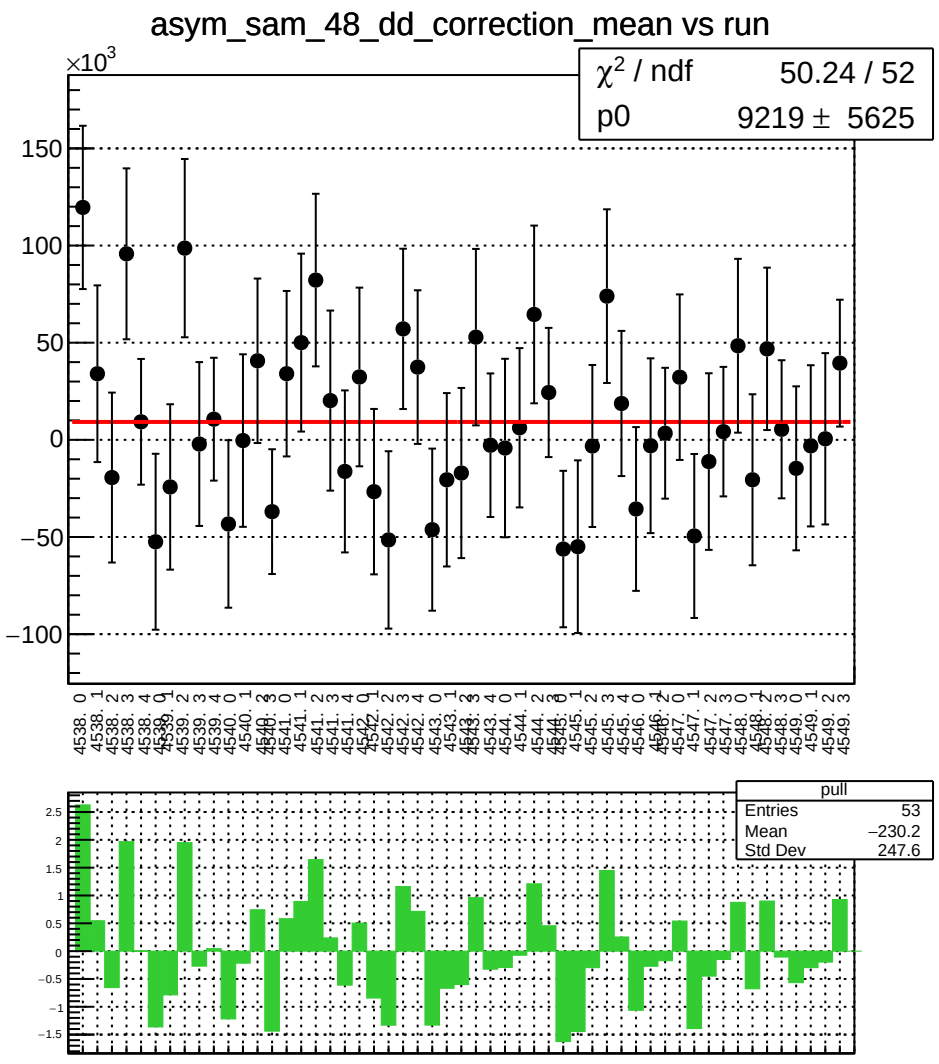

pull1D
Entries 53
Mean 0.01402
Std Dev 1.016

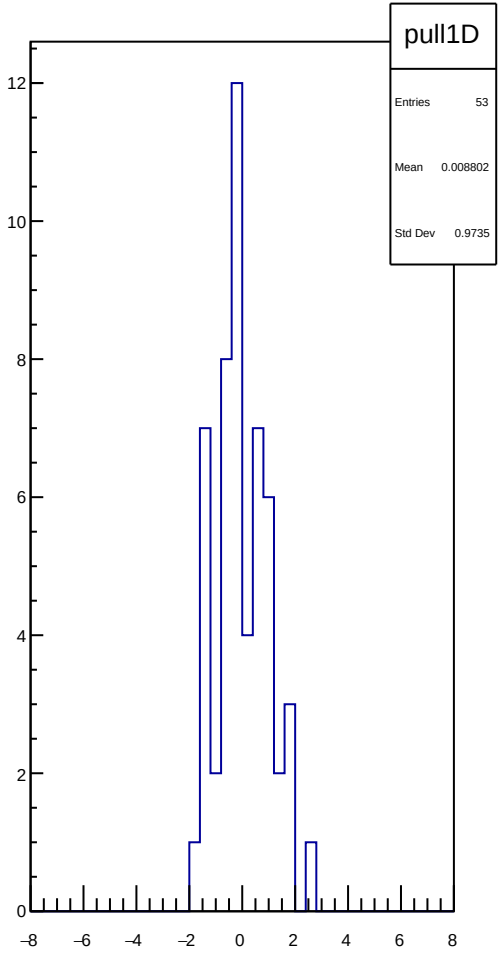

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1226 / 52
p0 8025 ± 7.733
8600
8400
8200
8000
7800
7600
7400
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

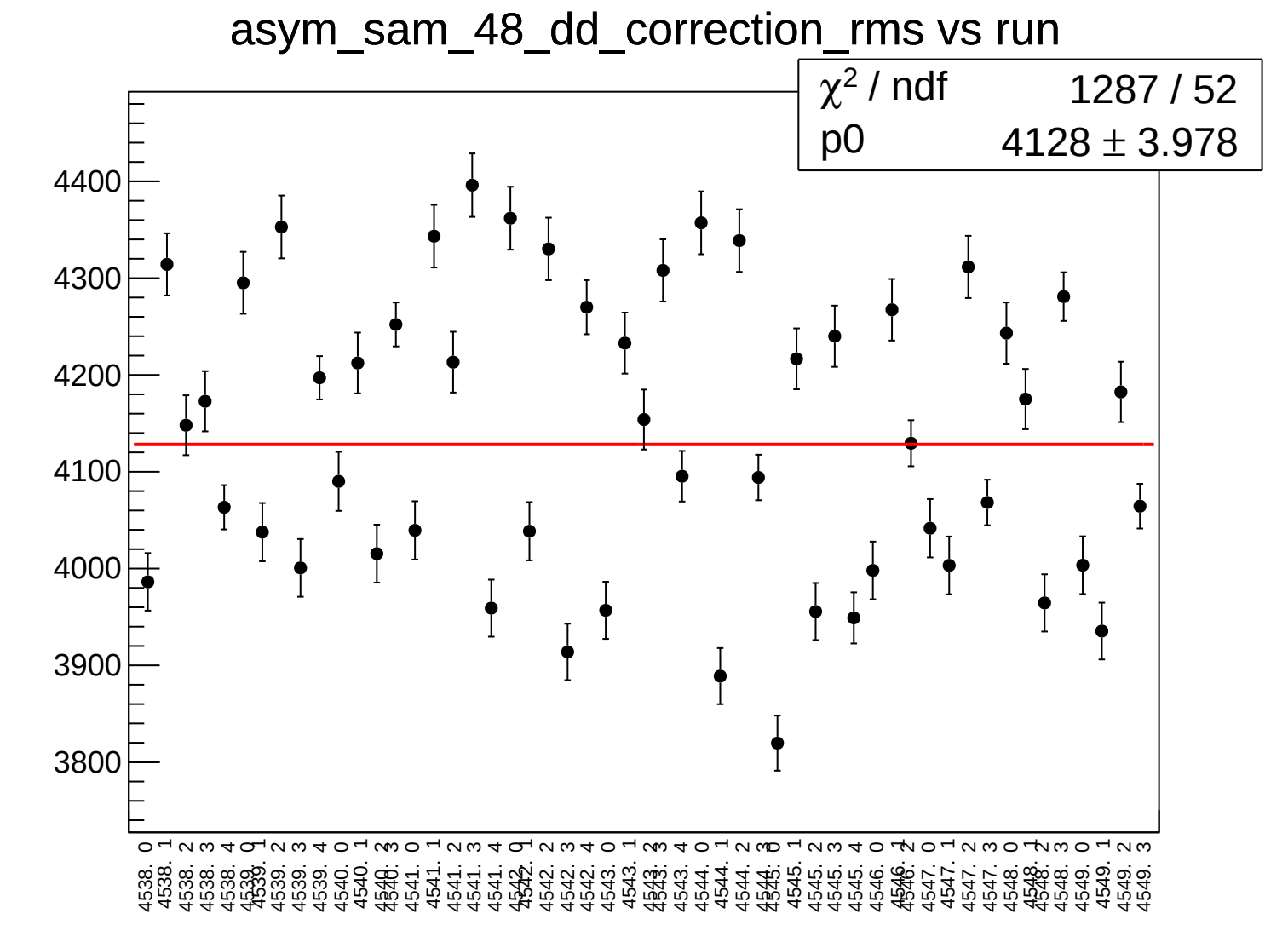

reg_asym_sam_48_dd_mean vs run
χ² / ndf 51.95 / 52
p0 −3225 ± 1277
pull
Entries 53
Mean 77.7
Std Dev 44.57

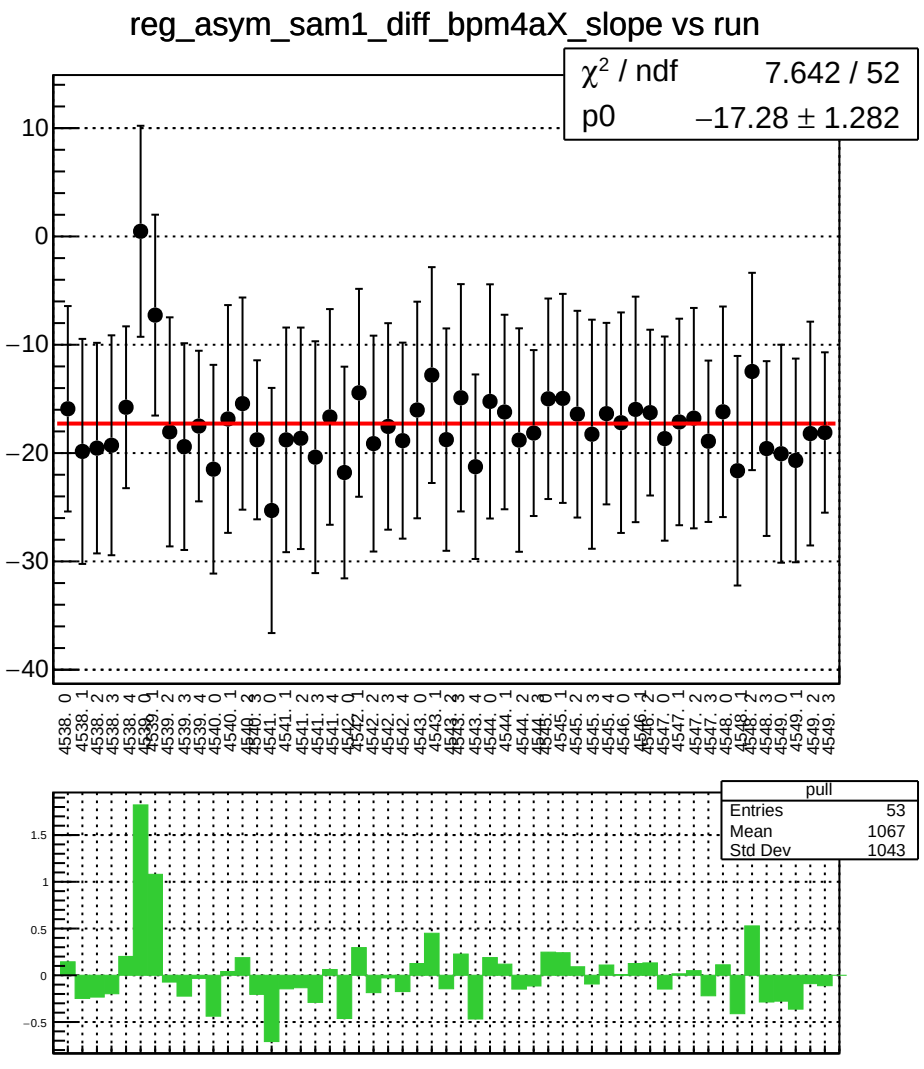

pull1D
Entries 53
Mean −0.02352
Std Dev 0.9898

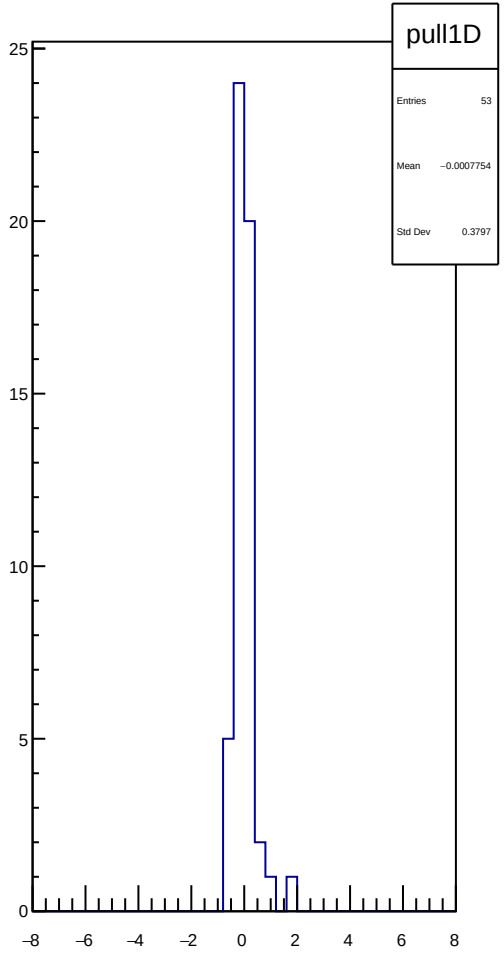

reg_asym_sam_48_dd_rms vs run
χ² / ndf 446.6 / 52
p0 937.4 ± 0.9029
1060
1040
1020
1000
980
960
940
920
900
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

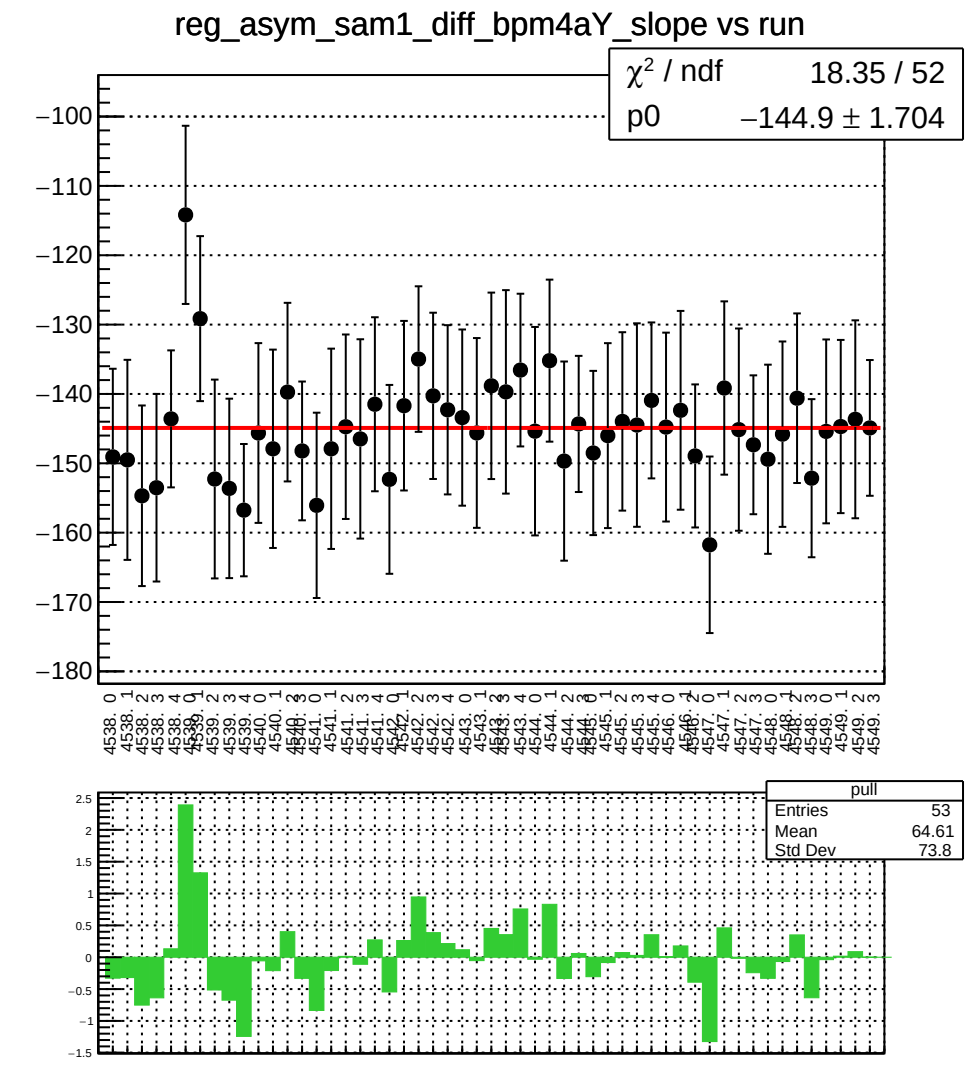

asym_sam_48_dd_correction_mean vs run
×10^3
χ^2 / ndf 50.24 / 52
p0 9219 ± 5625
150
100
50
0
−50
−100
pull
Entries 53
Mean −230.2
Std Dev 247.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

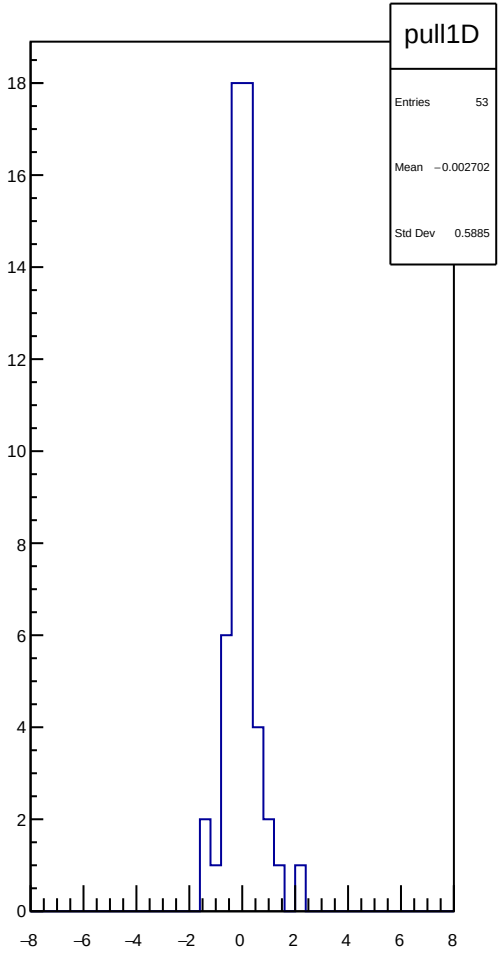

pull1D
Entries 53
Mean 0.008802
Std Dev 0.9735
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

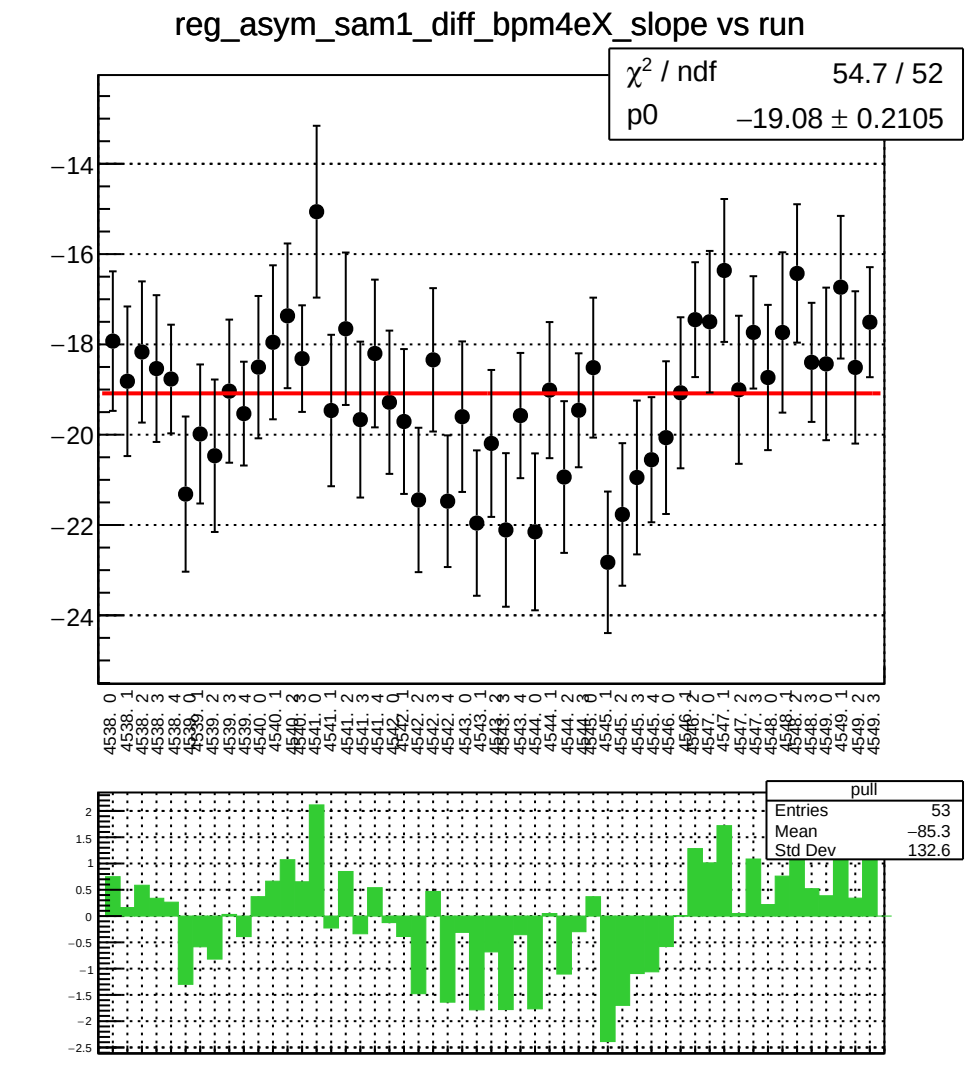

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1287 / 52
p0 4128 ± 3.978
4400
4300
4200
4100
4000
3900
3800
4538. 0
4538. 1
4538. 2
4538. 3
4538. 4
4539. 0
4539. 1
4539. 2
4539. 3
4539. 4
4540. 0
4540. 1
4540. 2
4540. 3
4541. 0
4541. 1
4541. 2
4541. 3
4541. 4
4542. 0
4542. 1
4542. 2
4542. 3
4542. 4
4543. 0
4543. 1
4543. 2
4543. 3
4543. 4
4544. 0
4544. 1
4544. 2
4544. 3
4545. 0
4545. 1
4545. 2
4545. 3
4545. 4
4546. 0
4546. 1
4546. 2
4547. 0
4547. 1
4547. 2
4547. 3
4548. 0
4548. 1
4548. 2
4548. 3
4549. 0
4549. 1
4549. 2
4549. 3

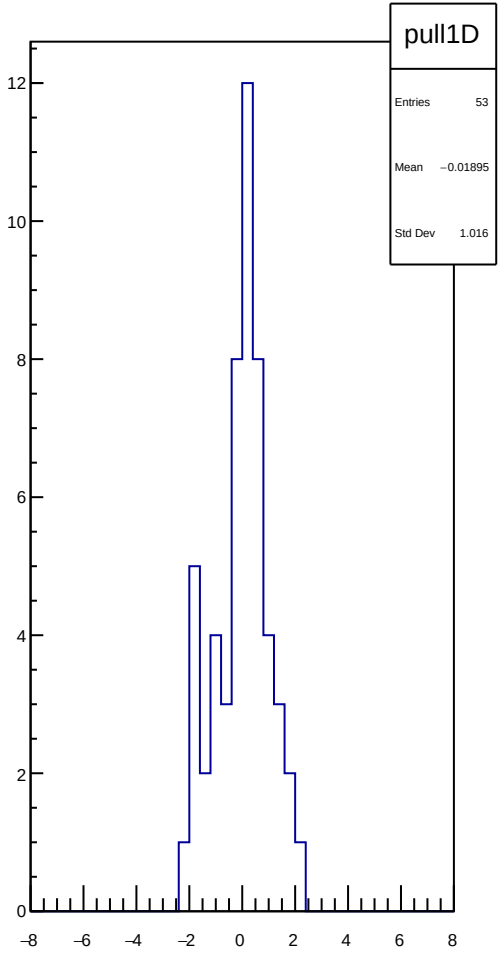

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 7.642 / 52
p0 −17.28 ± 1.282
pull
Entries 53
Mean 1067
Std Dev 1043

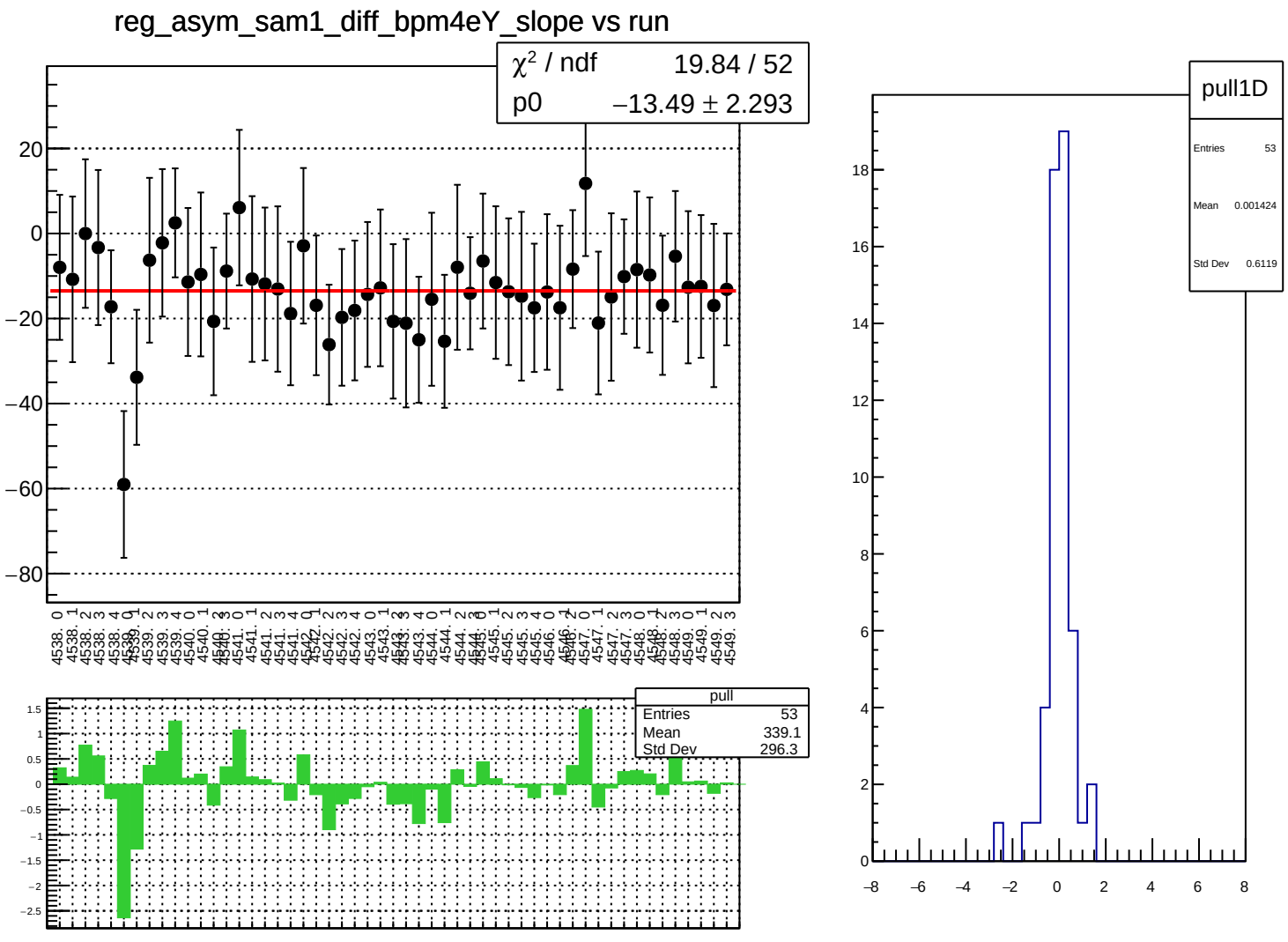

pull1D
Entries 53
Mean −0.0007754
Std Dev 0.3797

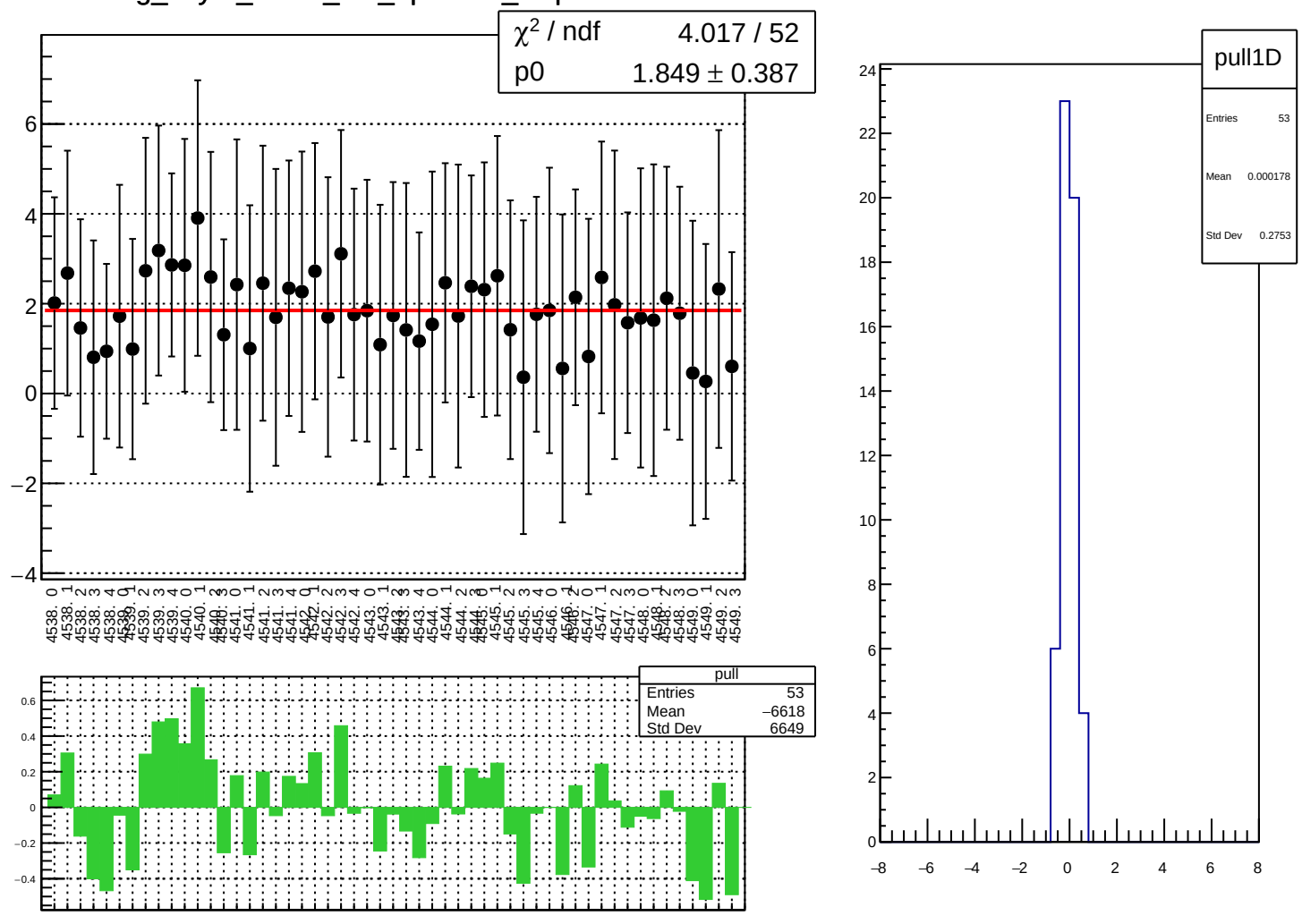

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 18.35 / 52
p0 −144.9 ± 1.704
pull
Entries 53
Mean 64.61
Std Dev 73.8

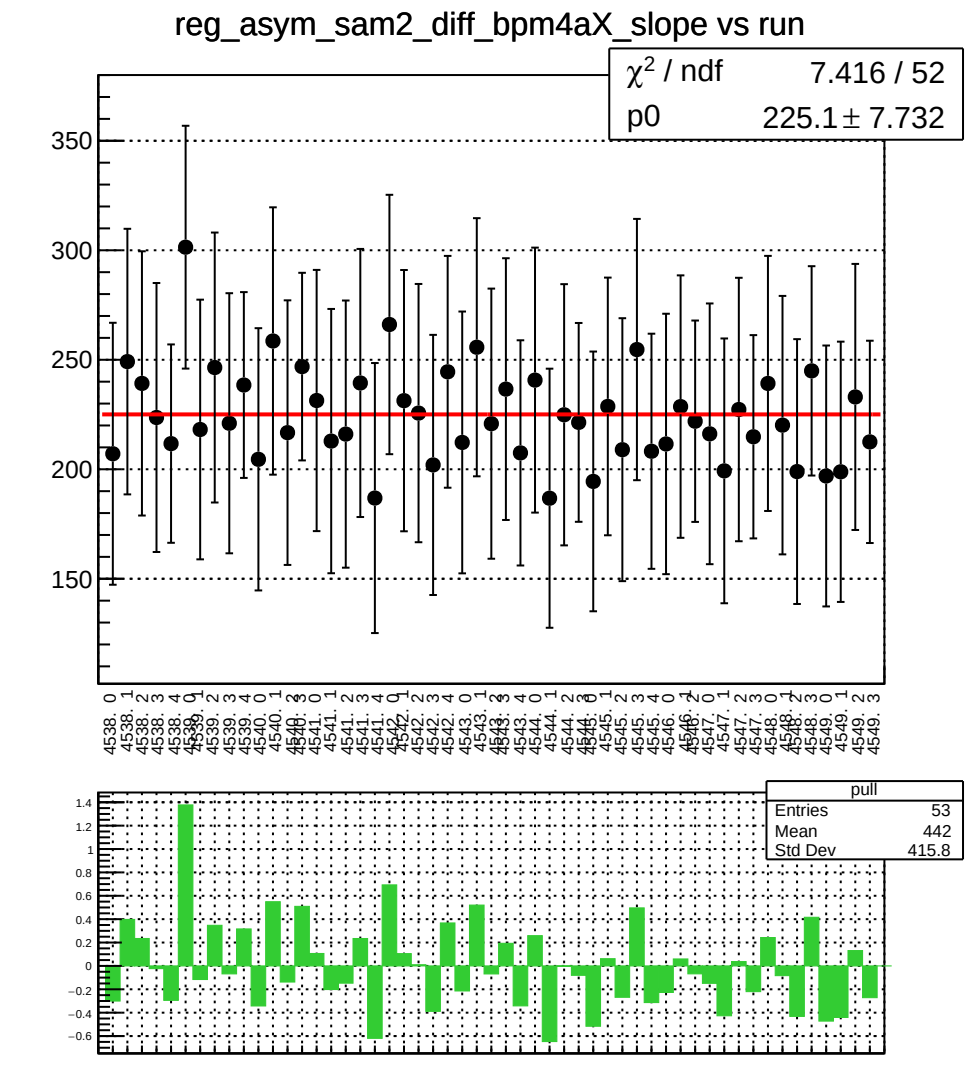

pull1D
Entries 53
Mean −0.002702
Std Dev 0.5885

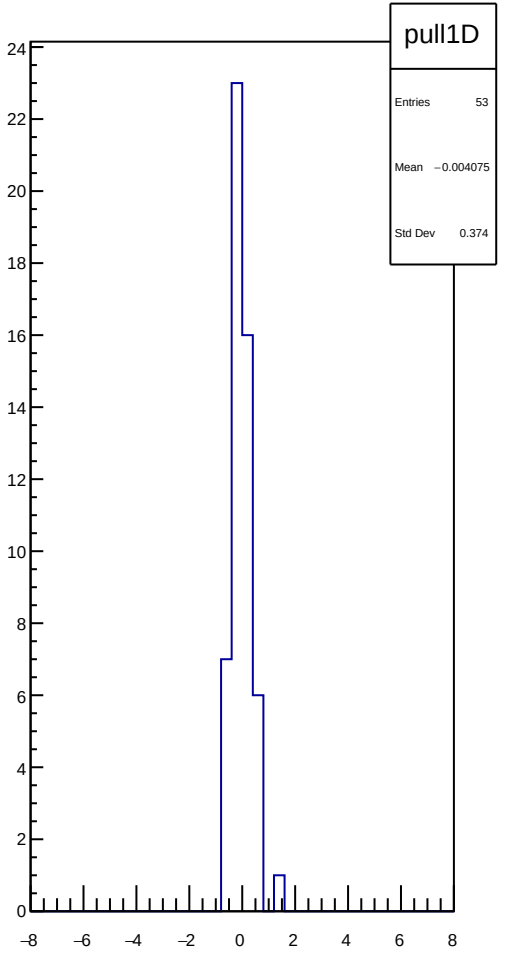

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 54.7 / 52
p0 −19.08 ± 0.2105
pull
Entries 53
Mean −85.3
Std Dev 132.6

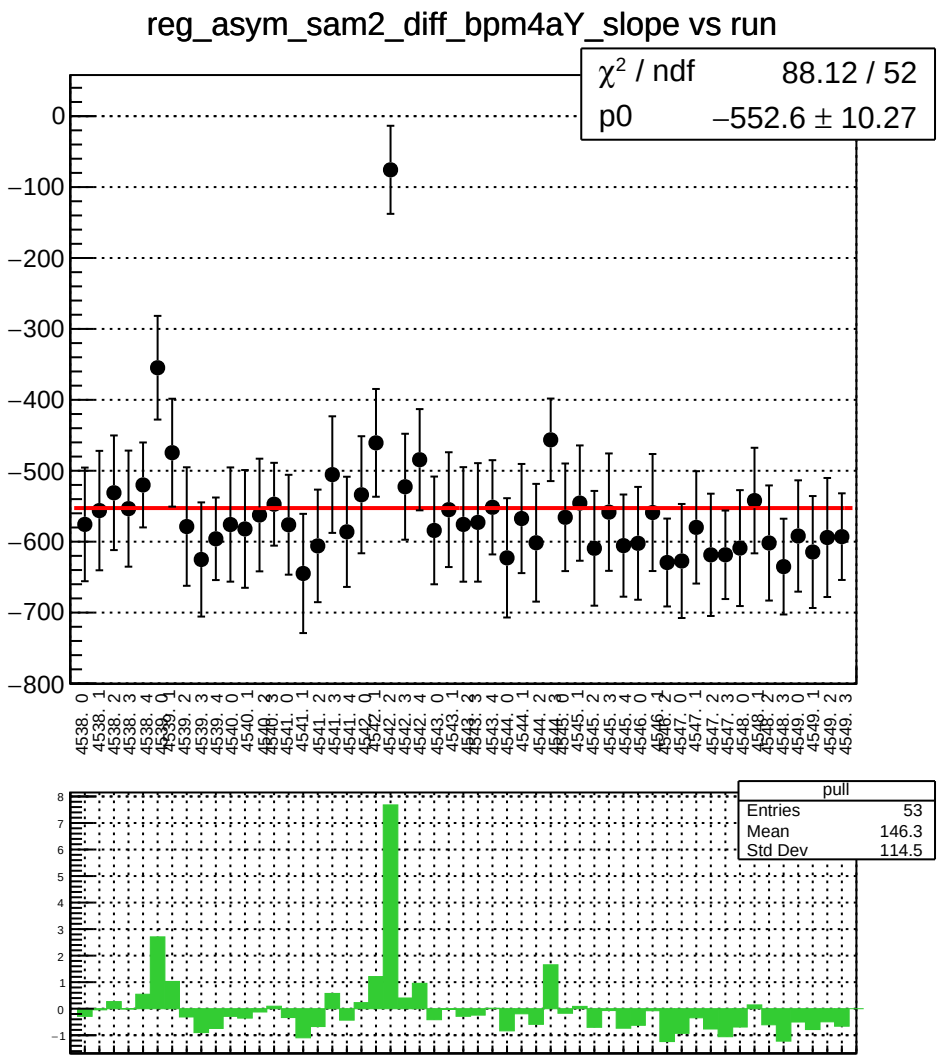

pull1D
Entries 53
Mean −0.01895
Std Dev 1.016

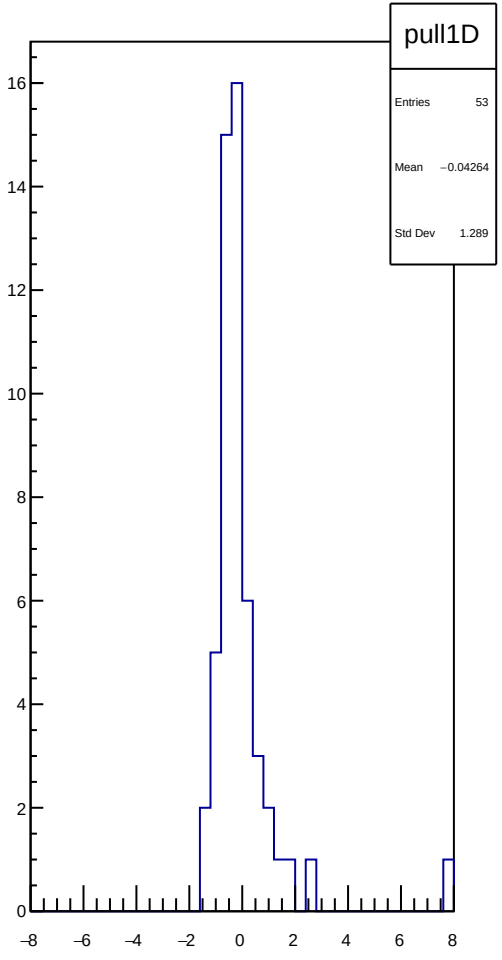

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 19.84 / 52
p0 −13.49 ± 2.293
20
0
−20
−40
−60
−80
pull
Entries 53
Mean 339.1
Std Dev 296.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 53
Mean 0.001424
Std Dev 0.6119
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

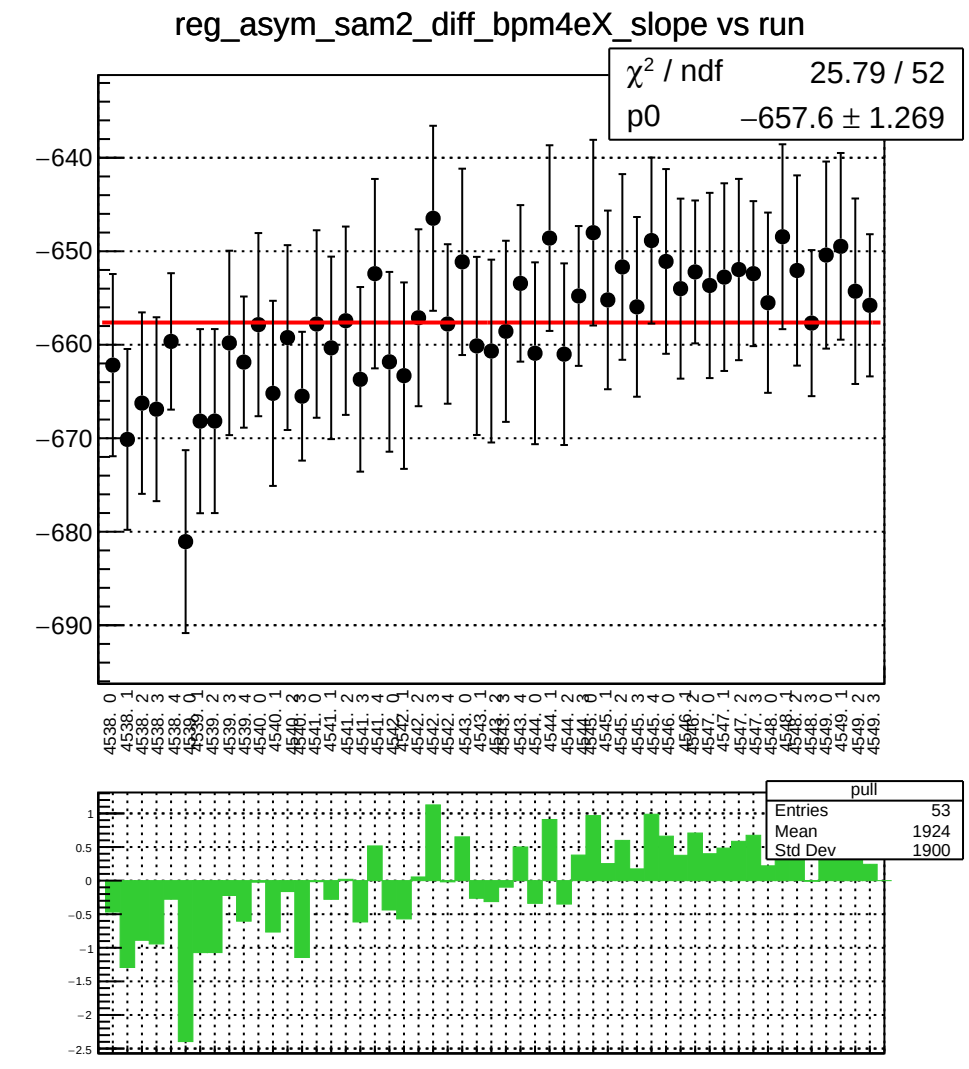

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 4.017 / 52
p0 1.849 ± 0.387
pull
Entries 53
Mean −6618
Std Dev 6649
pull1D
Entries 53
Mean 0.000178
Std Dev 0.2753

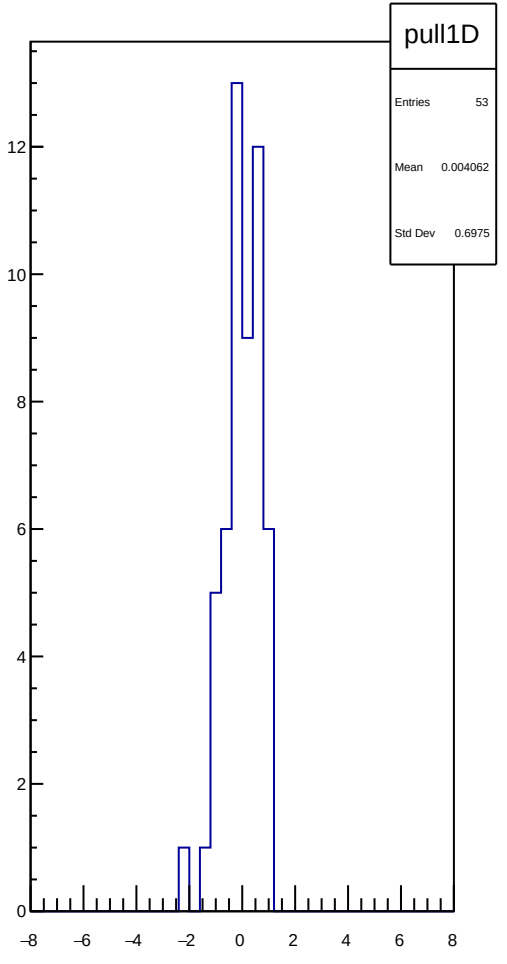

reg_asym_sam2_diff_bpm4aX_slope vs run
χ^2 / ndf 7.416 / 52
p0 225.1 ± 7.732
350
300
250
200
150
pull
Entries 53
Mean 442
Std Dev 415.8
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

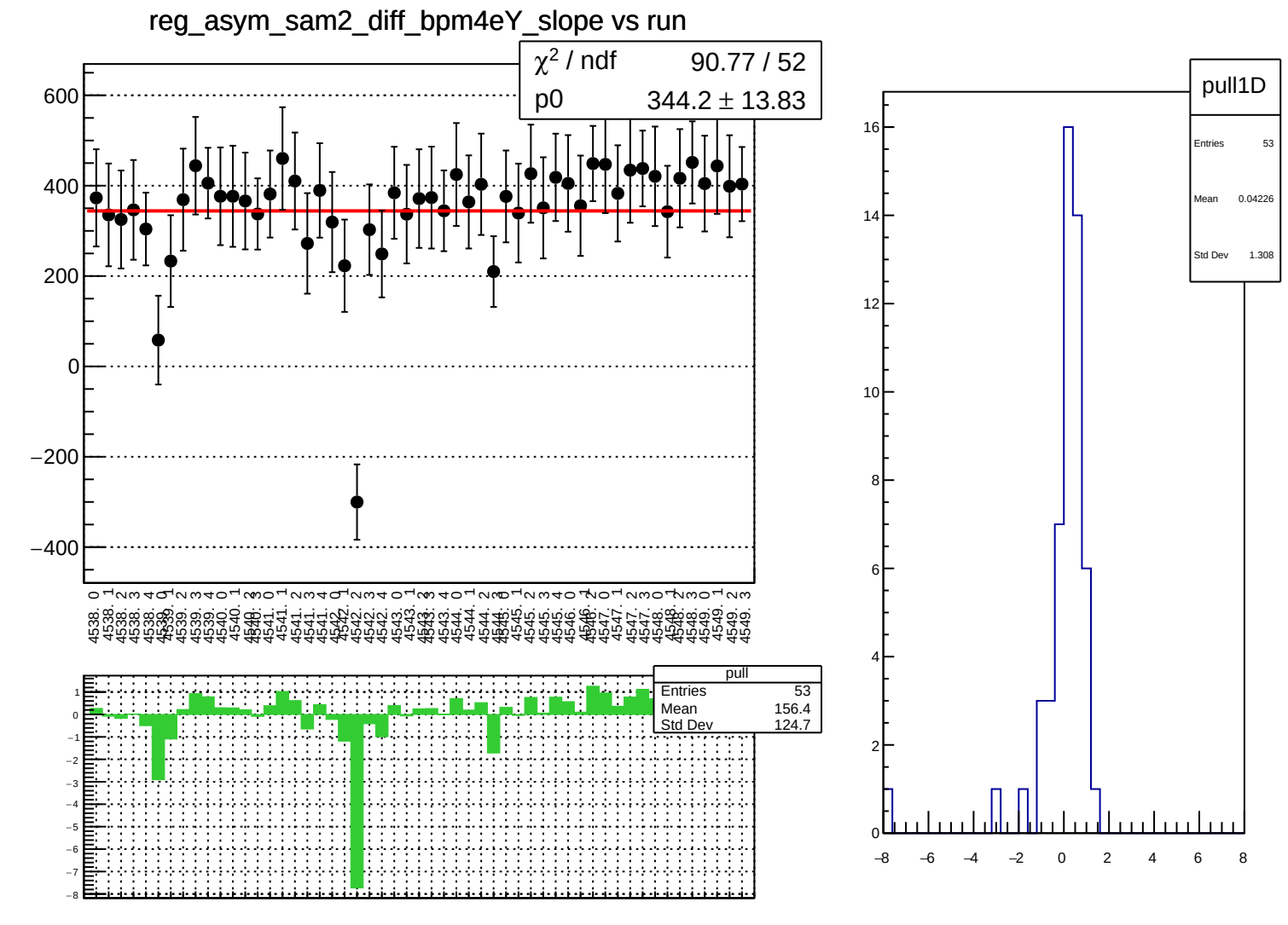

pull1D
Entries 53
Mean −0.004075
Std Dev 0.374
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

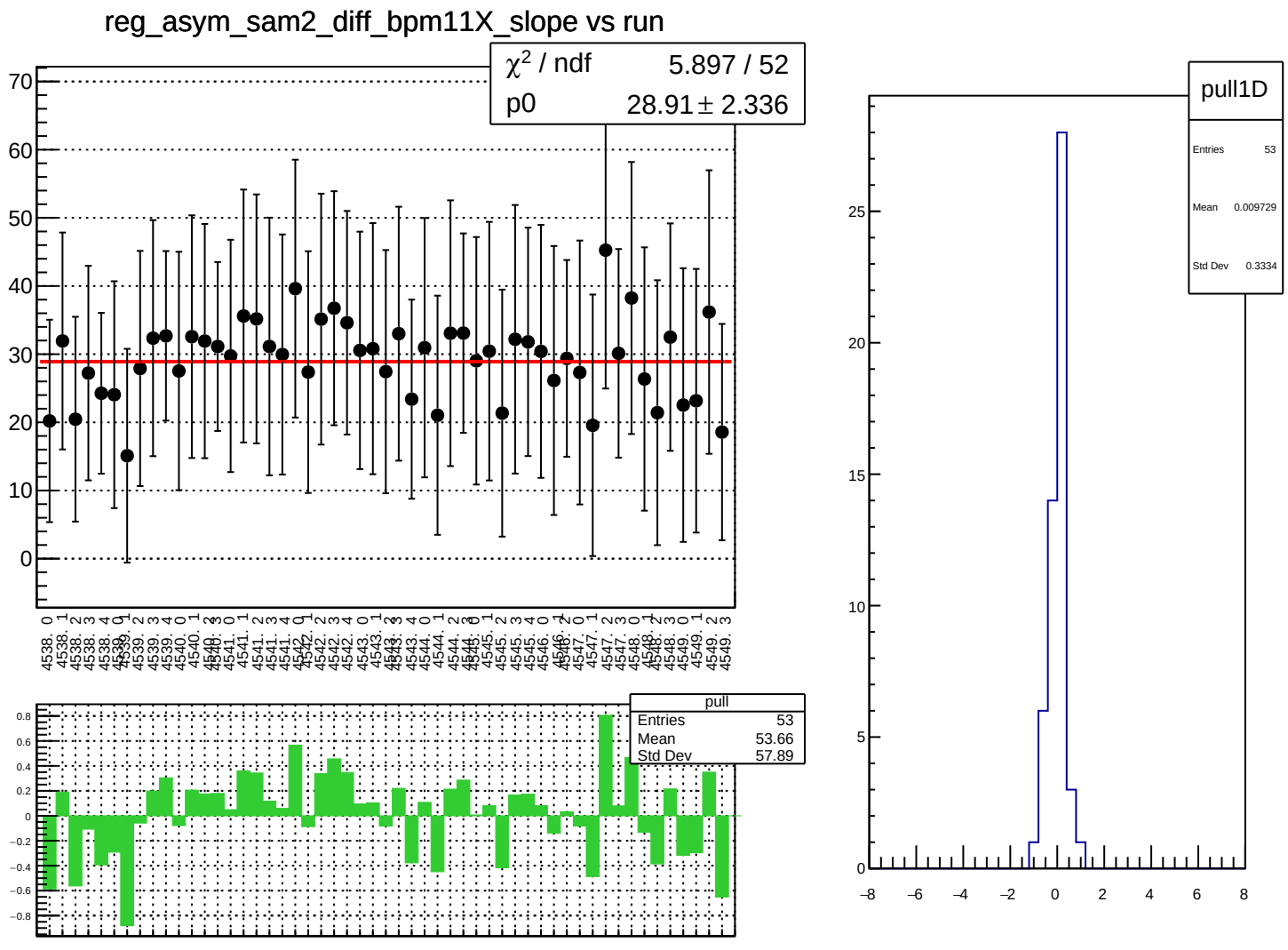

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 88.12 / 52
p0 −552.6 ± 10.27
pull
Entries 53
Mean 146.3
Std Dev 114.5

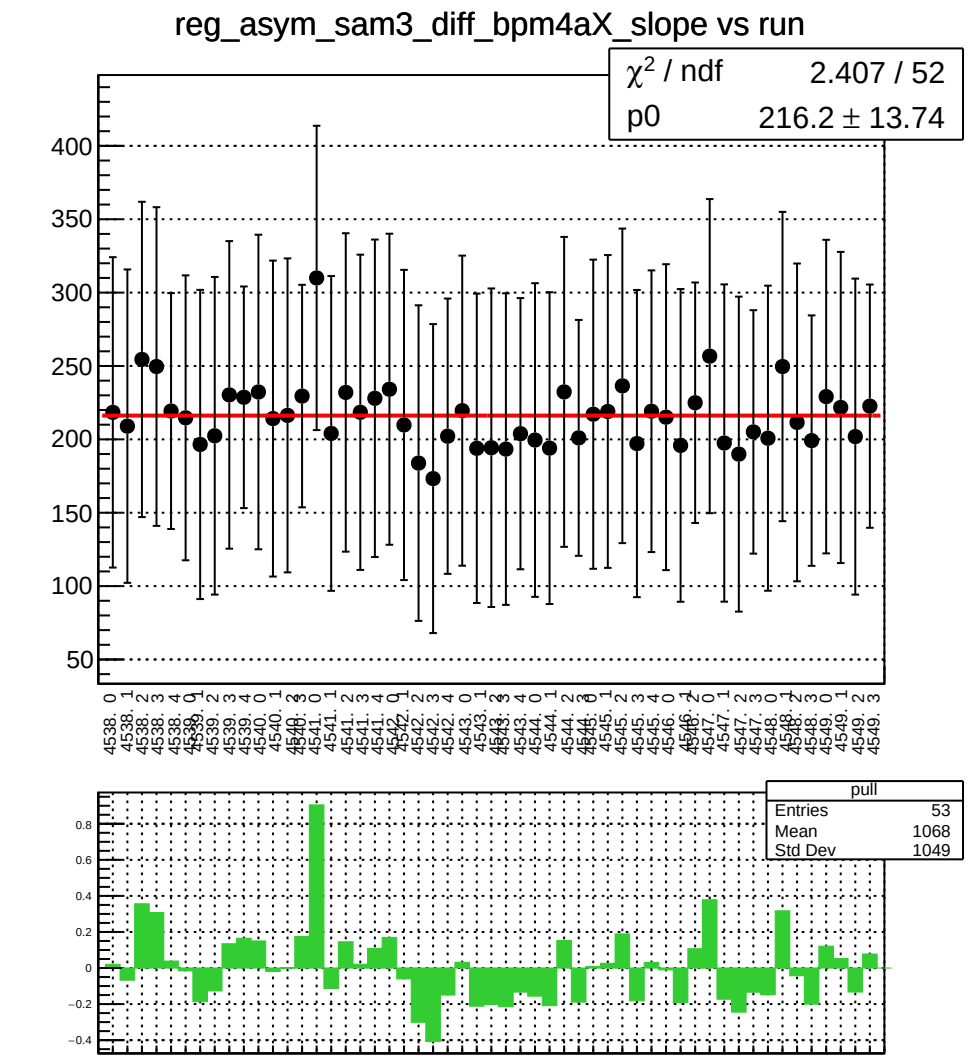

pull1D
Entries 53
Mean −0.04264
Std Dev 1.289

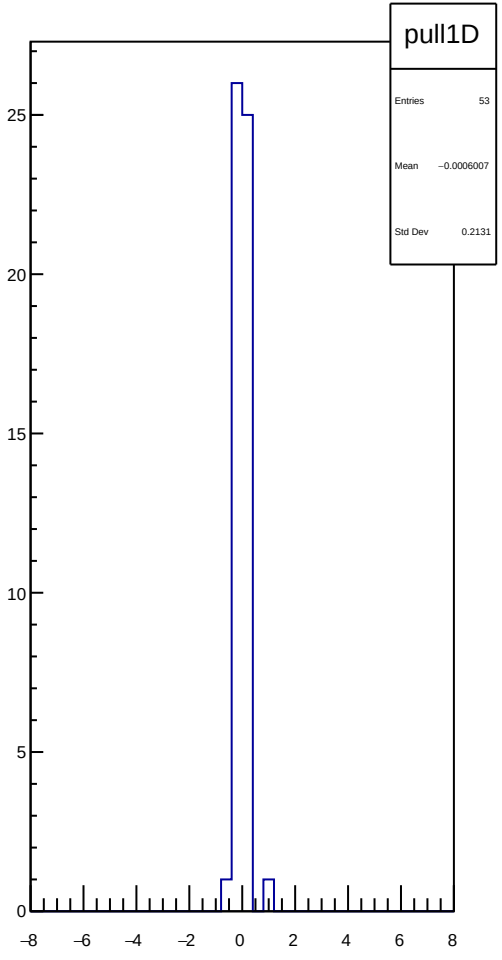

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 25.79 / 52
p0 −657.6 ± 1.269
pull
Entries 53
Mean 1924
Std Dev 1900

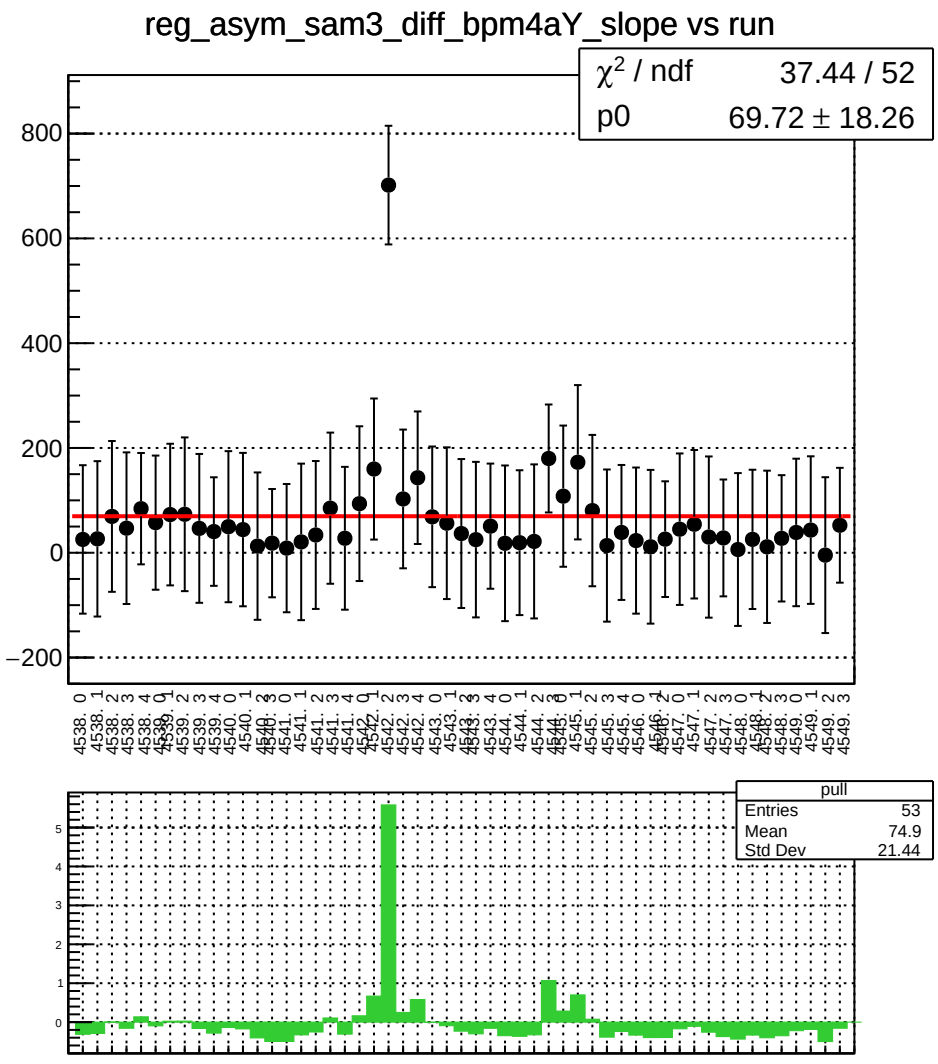

pull1D
Entries 53
Mean 0.004062
Std Dev 0.6975

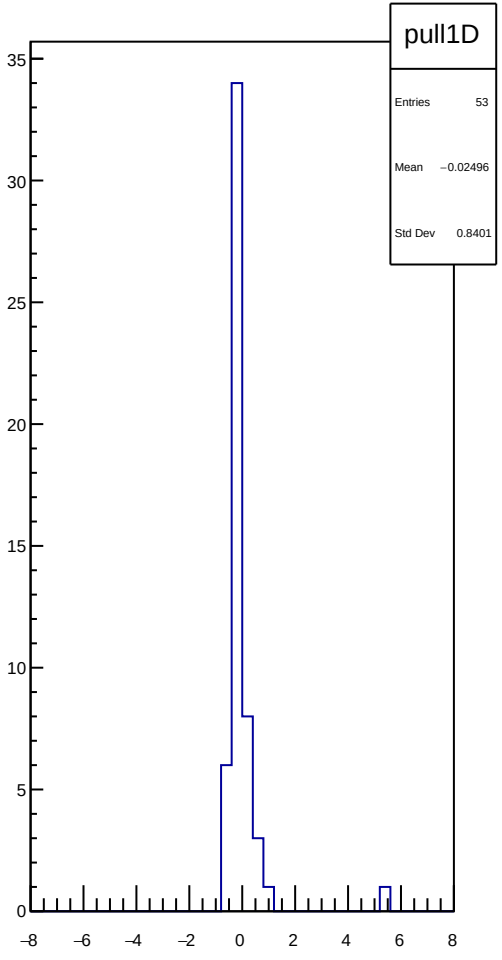

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 90.77 / 52
p0 344.2 ± 13.83
pull
Entries 53
Mean 156.4
Std Dev 124.7
pull1D
Entries 53
Mean 0.04226
Std Dev 1.308

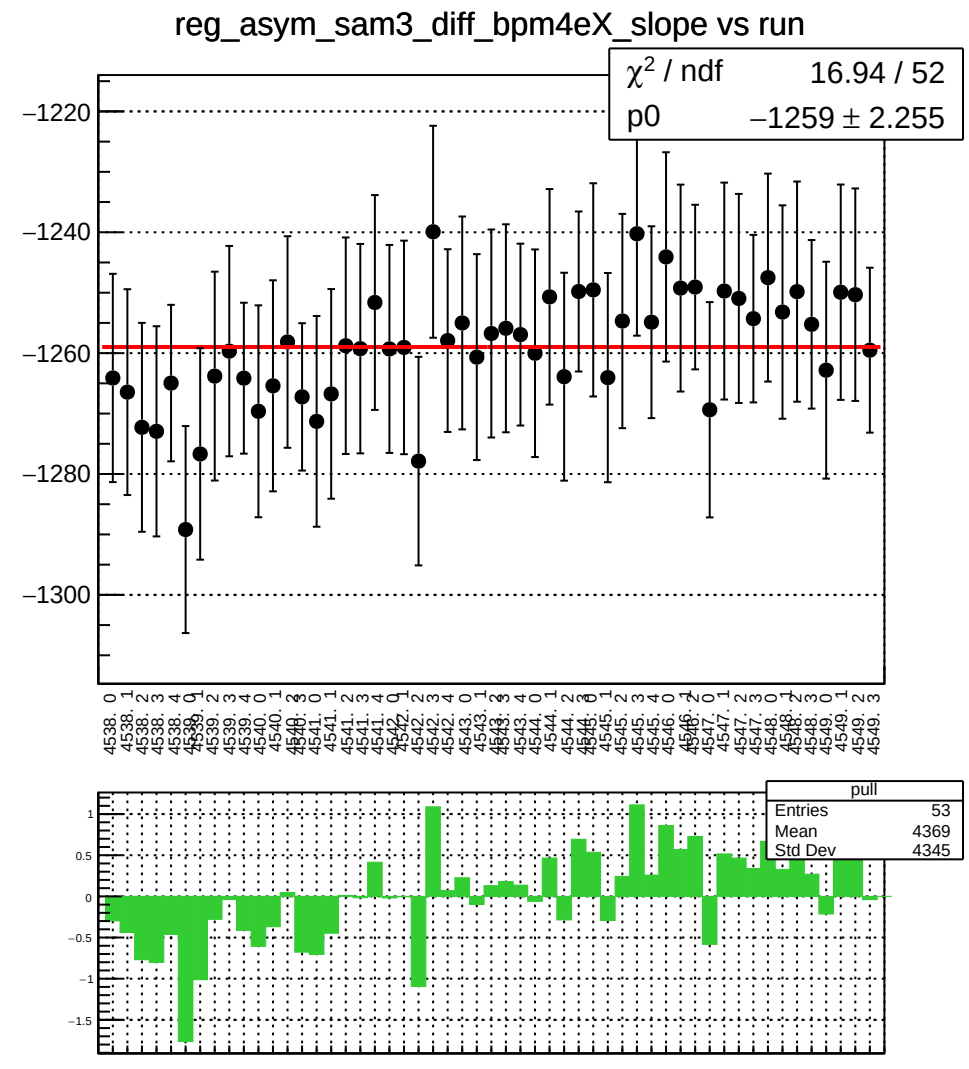

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 5.897 / 52
p0 28.91 ± 2.336
pull
Entries 53
Mean 53.66
Std Dev 57.89
pull1D
Entries 53
Mean 0.009729
Std Dev 0.3334

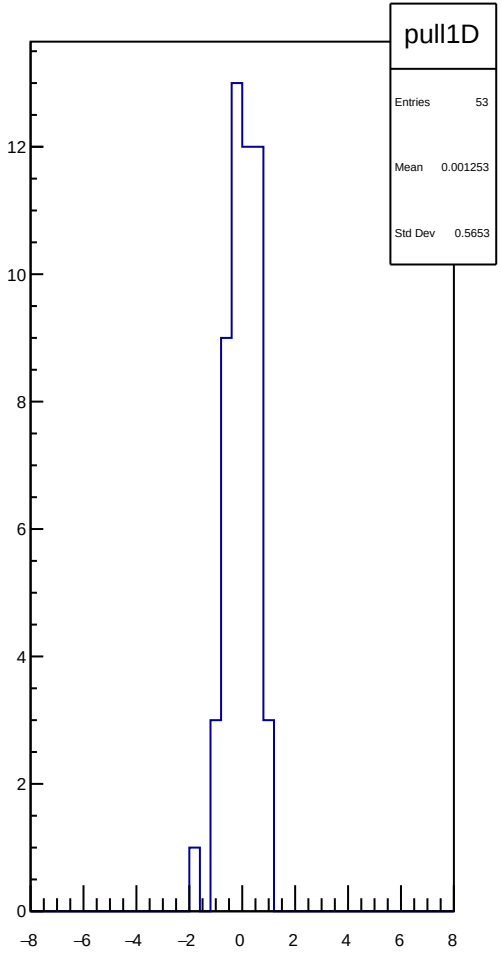

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 2.407 / 52
p0 216.2 ± 13.74
pull
Entries 53
Mean 1068
Std Dev 1049

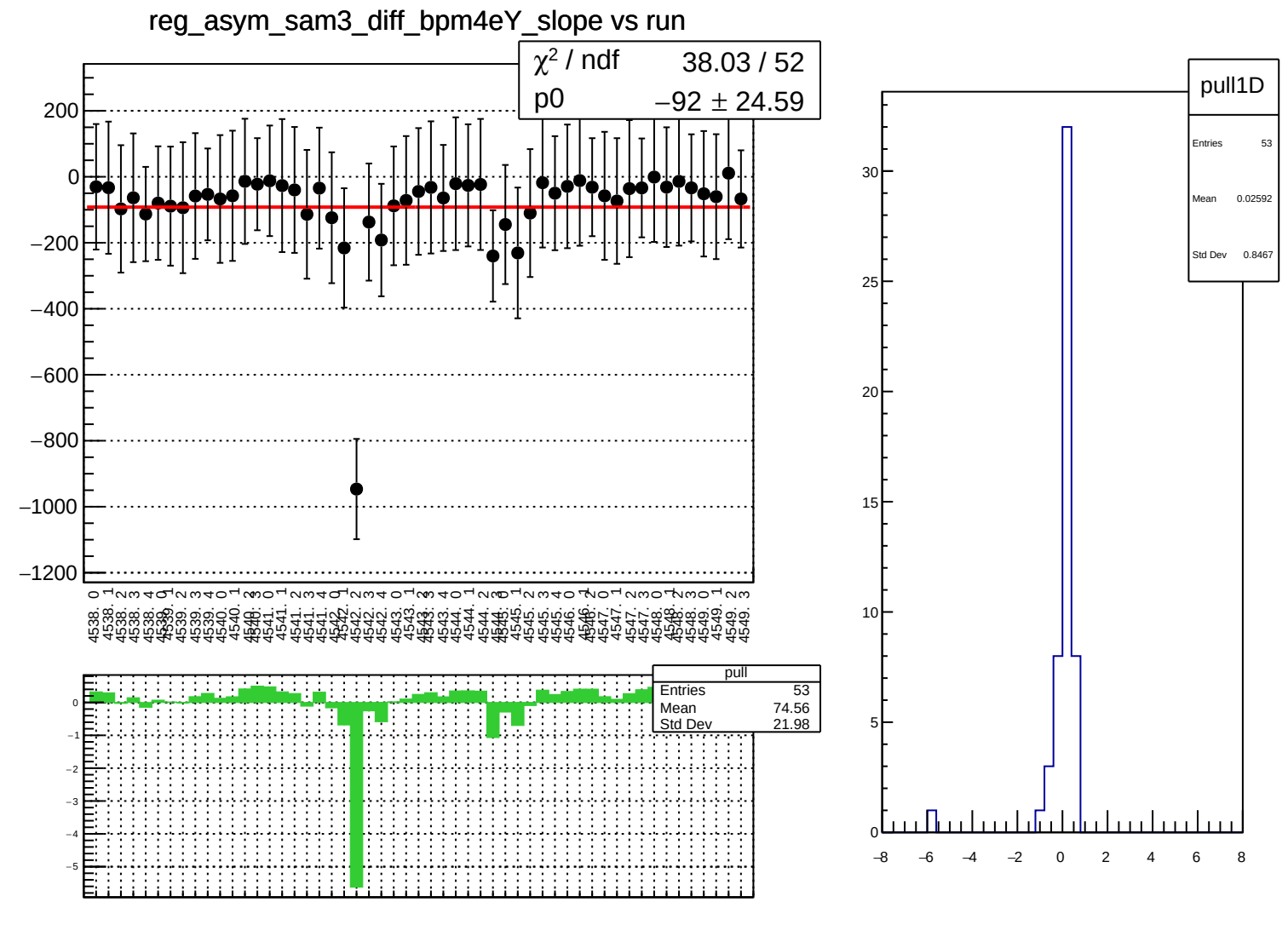

pull1D
Entries 53
Mean −0.0006007
Std Dev 0.2131

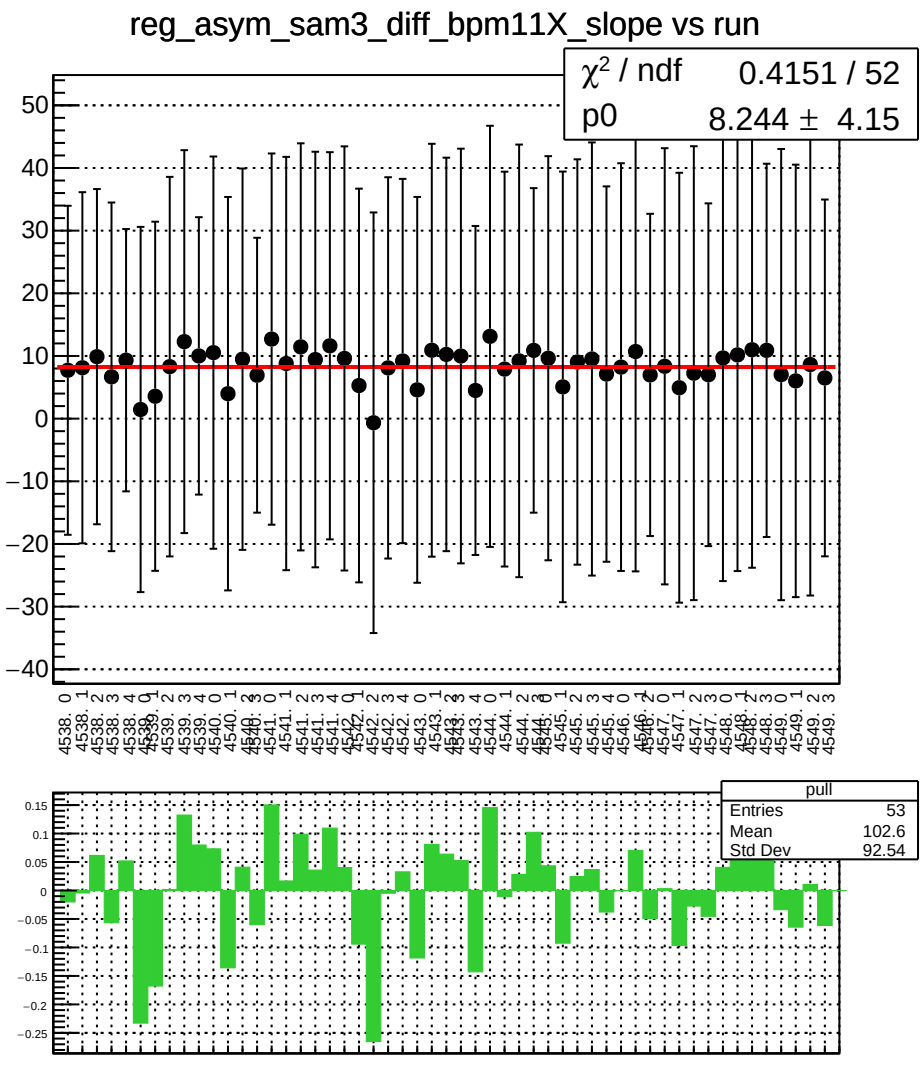

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 37.44 / 52
p0 69.72 ± 18.26
pull
Entries 53
Mean 74.9
Std Dev 21.44

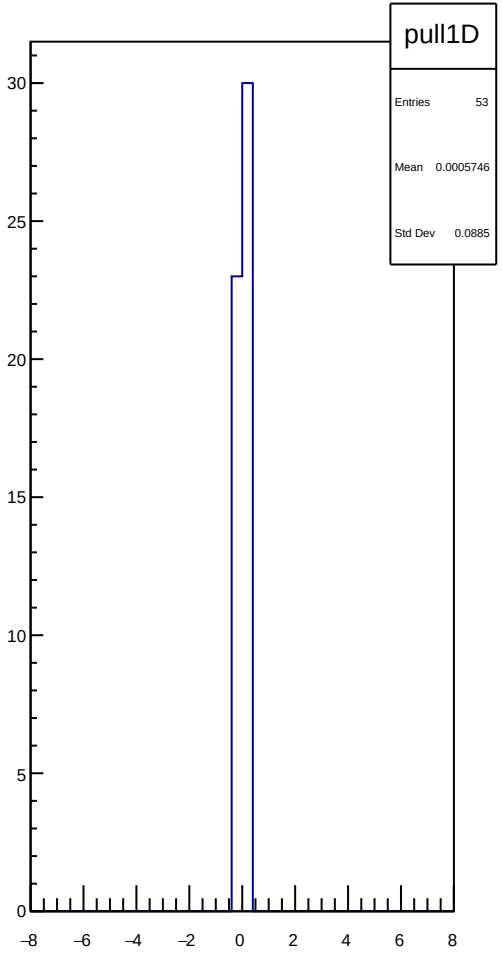

pull1D
Entries 53
Mean −0.02496
Std Dev 0.8401

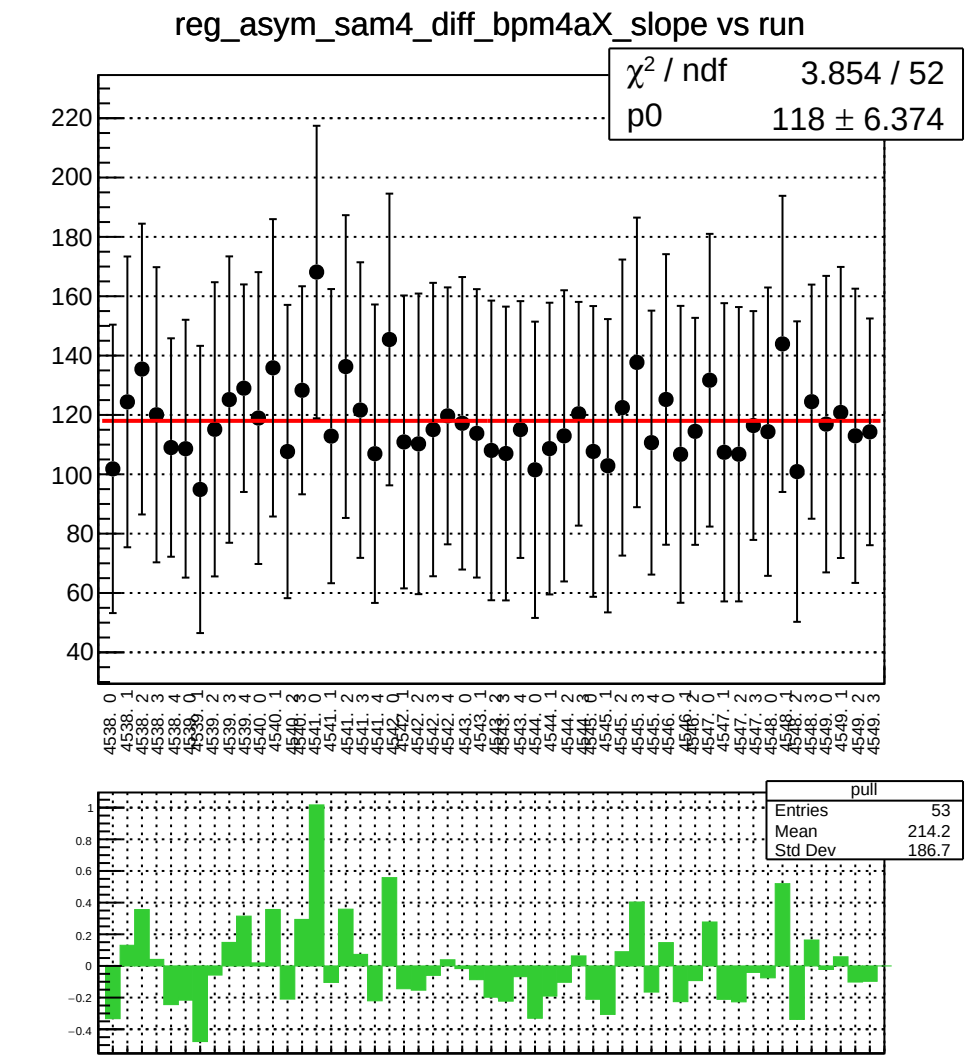

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 16.94 / 52
p0 −1259 ± 2.255
−1220
−1240
−1260
−1280
−1300
pull
Entries 53
Mean 4369
Std Dev 4345
1
0.5
0
−0.5
−1
−1.5

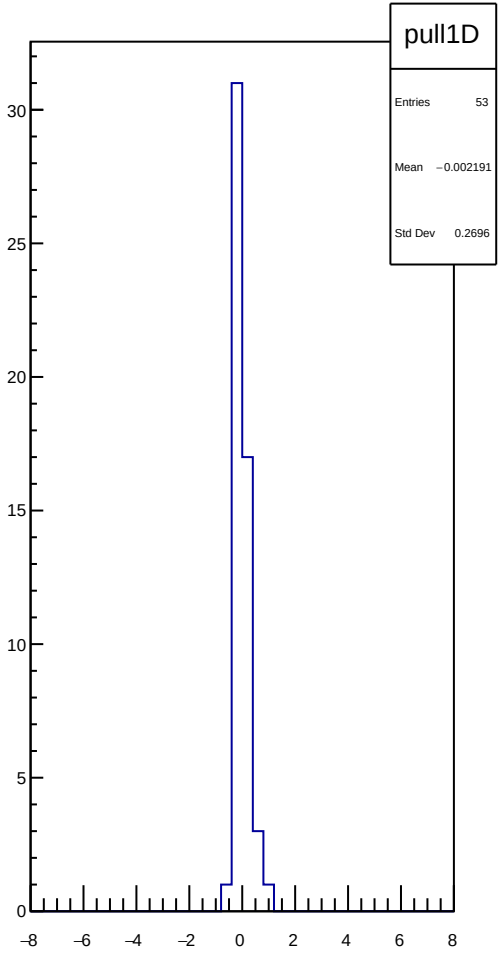

pull1D
Entries 53
Mean 0.001253
Std Dev 0.5653
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

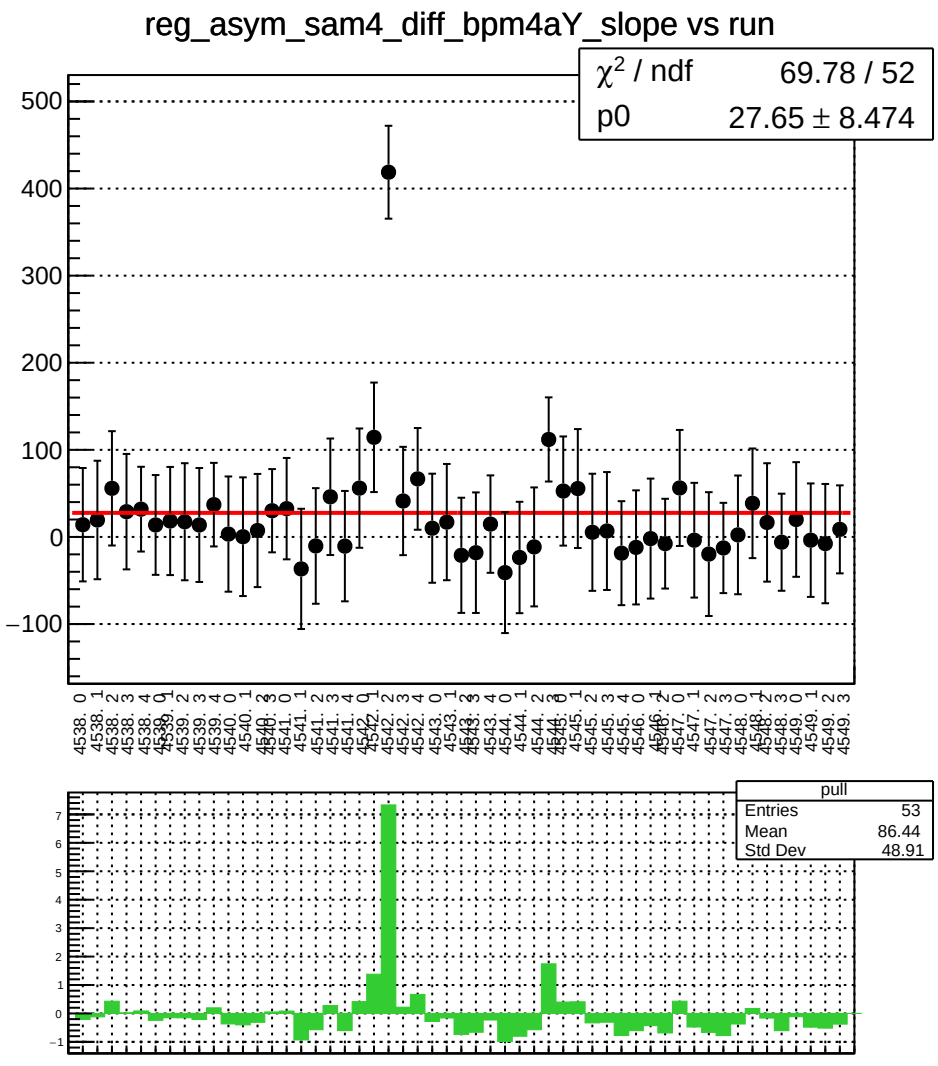

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 38.03 / 52
p0 −92 ± 24.59
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 53
Mean 74.56
Std Dev 21.98
pull1D
Entries 53
Mean 0.02592
Std Dev 0.8467
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

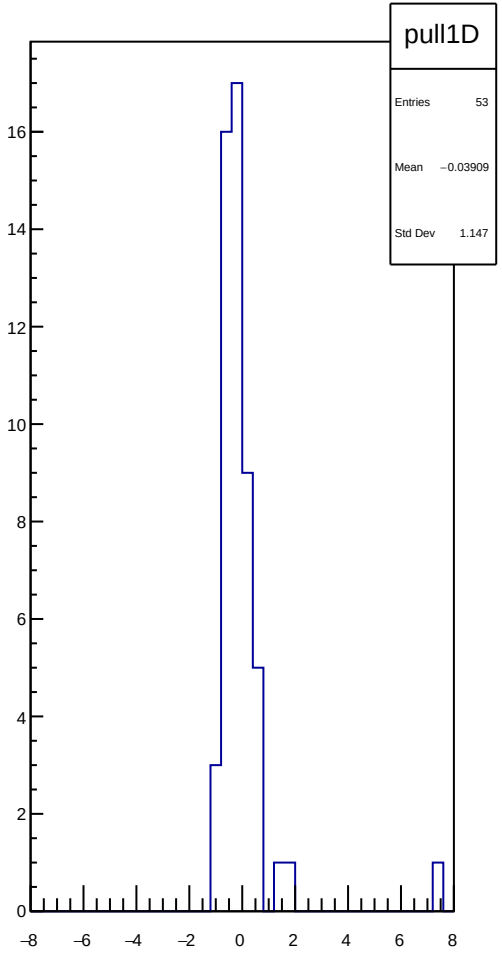

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 0.4151 / 52
p0 8.244 ± 4.15
pull
Entries 53
Mean 102.6
Std Dev 92.54

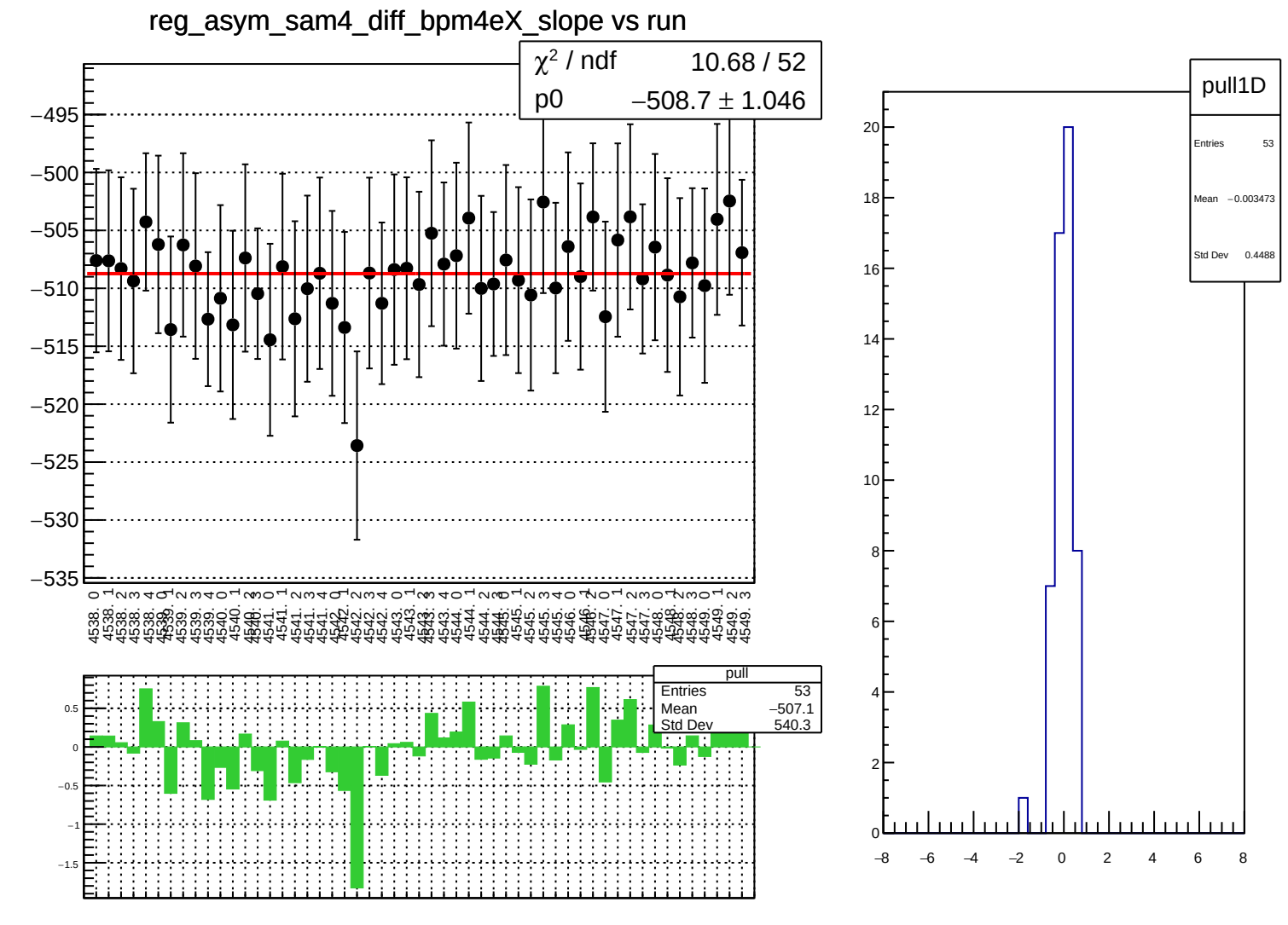

pull1D
Entries 53
Mean 0.0005746
Std Dev 0.0885

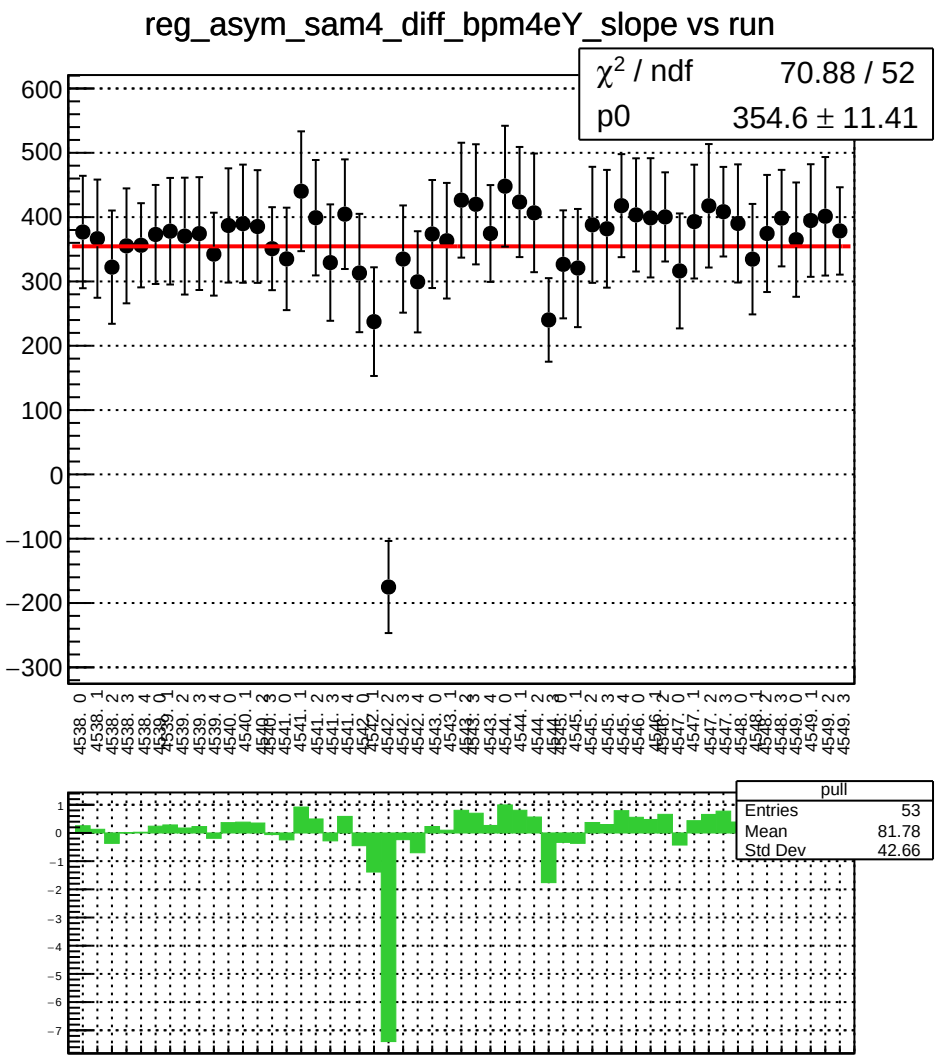

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 3.854 / 52
p0 118 ± 6.374
pull
Entries 53
Mean 214.2
Std Dev 186.7

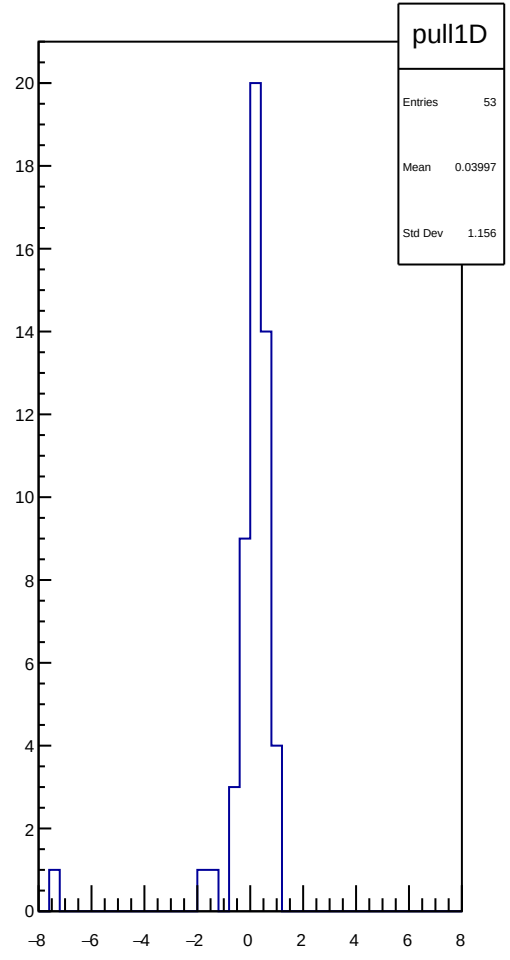

pull1D
Entries 53
Mean −0.002191
Std Dev 0.2696

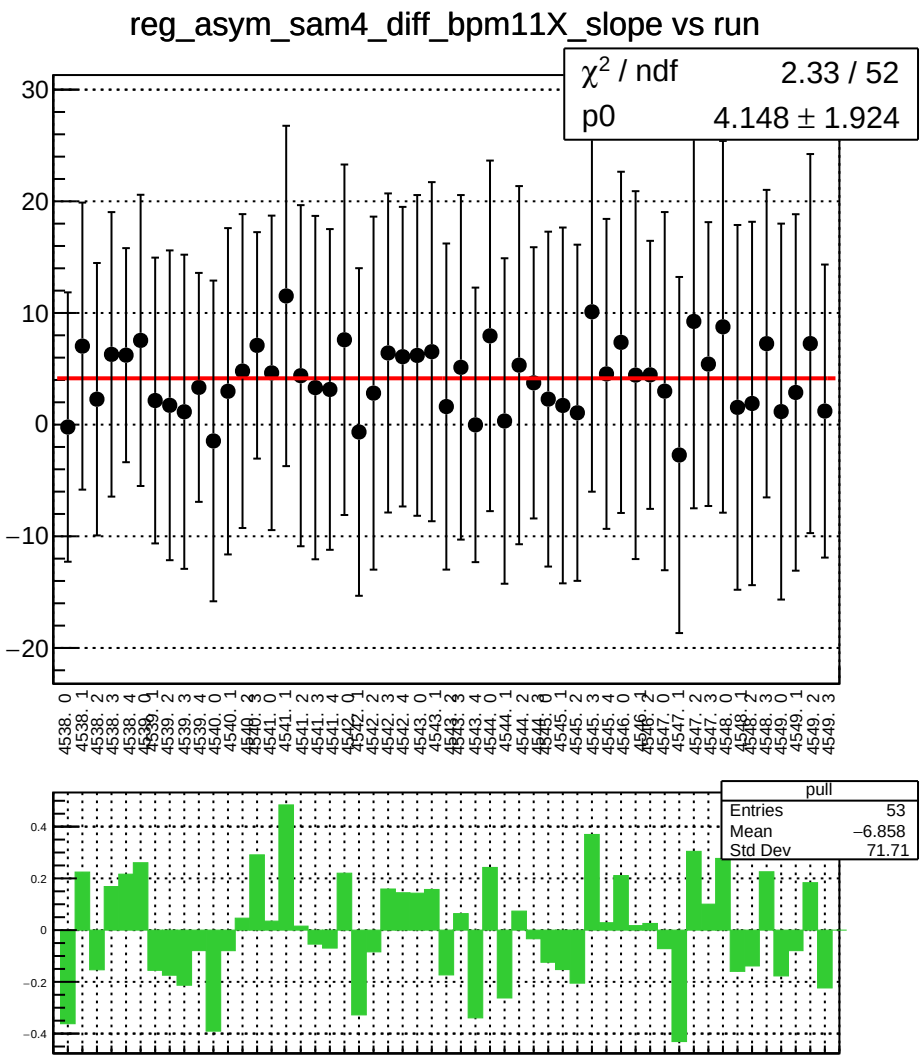

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 69.78 / 52
p0 27.65 ± 8.474
pull
Entries 53
Mean 86.44
Std Dev 48.91

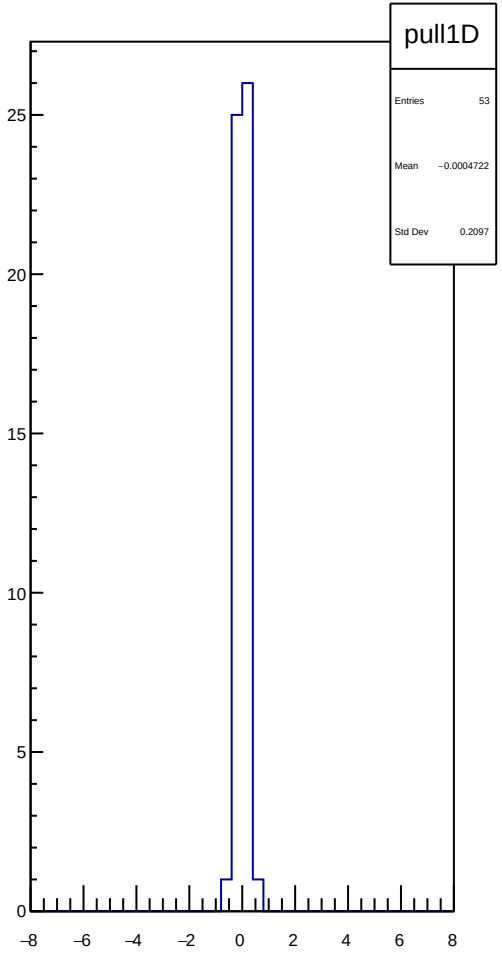

pull1D
Entries 53
Mean −0.03909
Std Dev 1.147

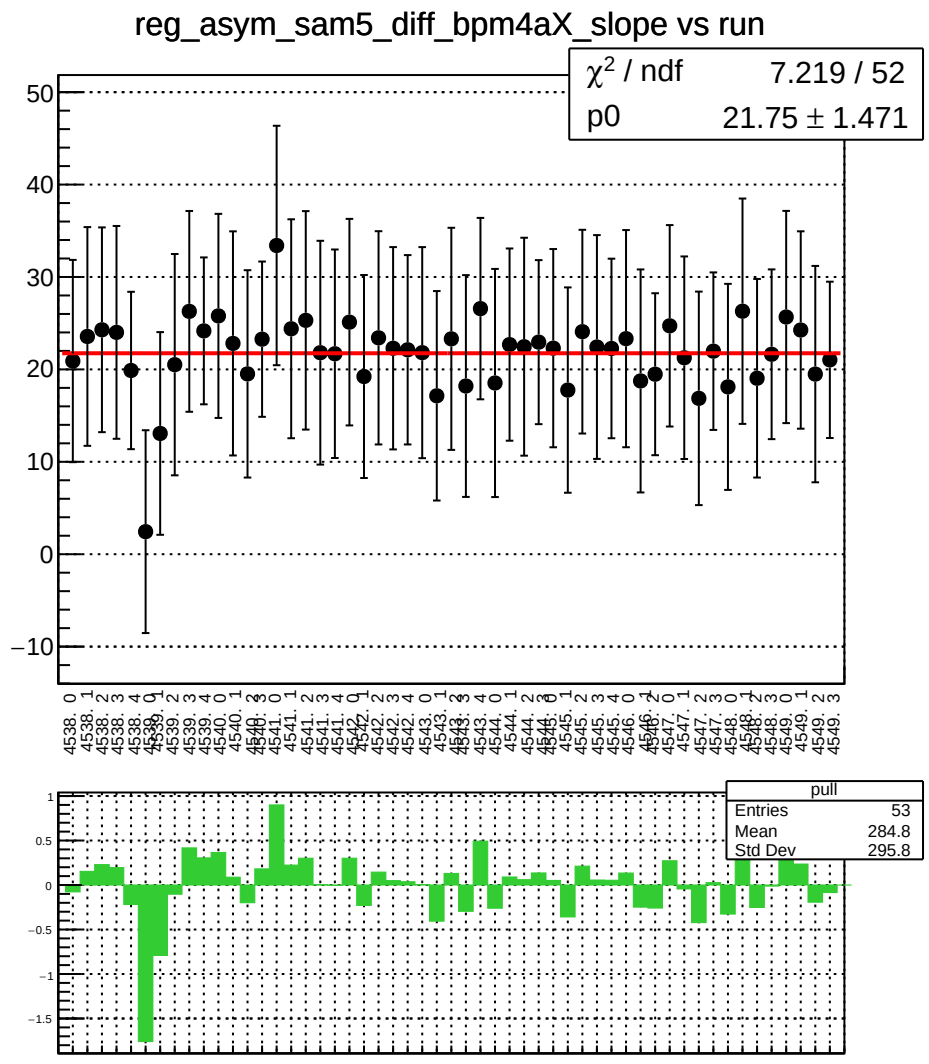

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 10.68 / 52
p0 −508.7 ± 1.046
pull
Entries 53
Mean −507.1
Std Dev 540.3
pull1D
Entries 53
Mean −0.003473
Std Dev 0.4488

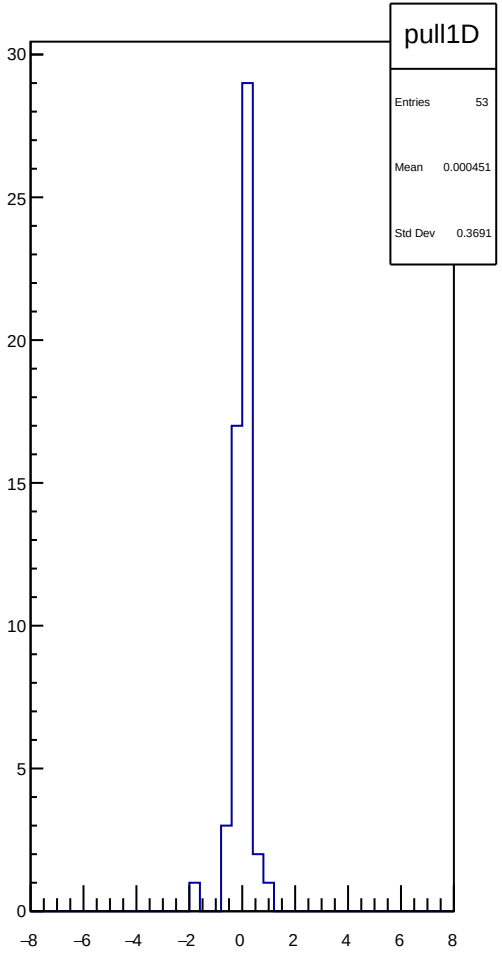

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 70.88 / 52
p0 354.6 ± 11.41
pull
Entries 53
Mean 81.78
Std Dev 42.66

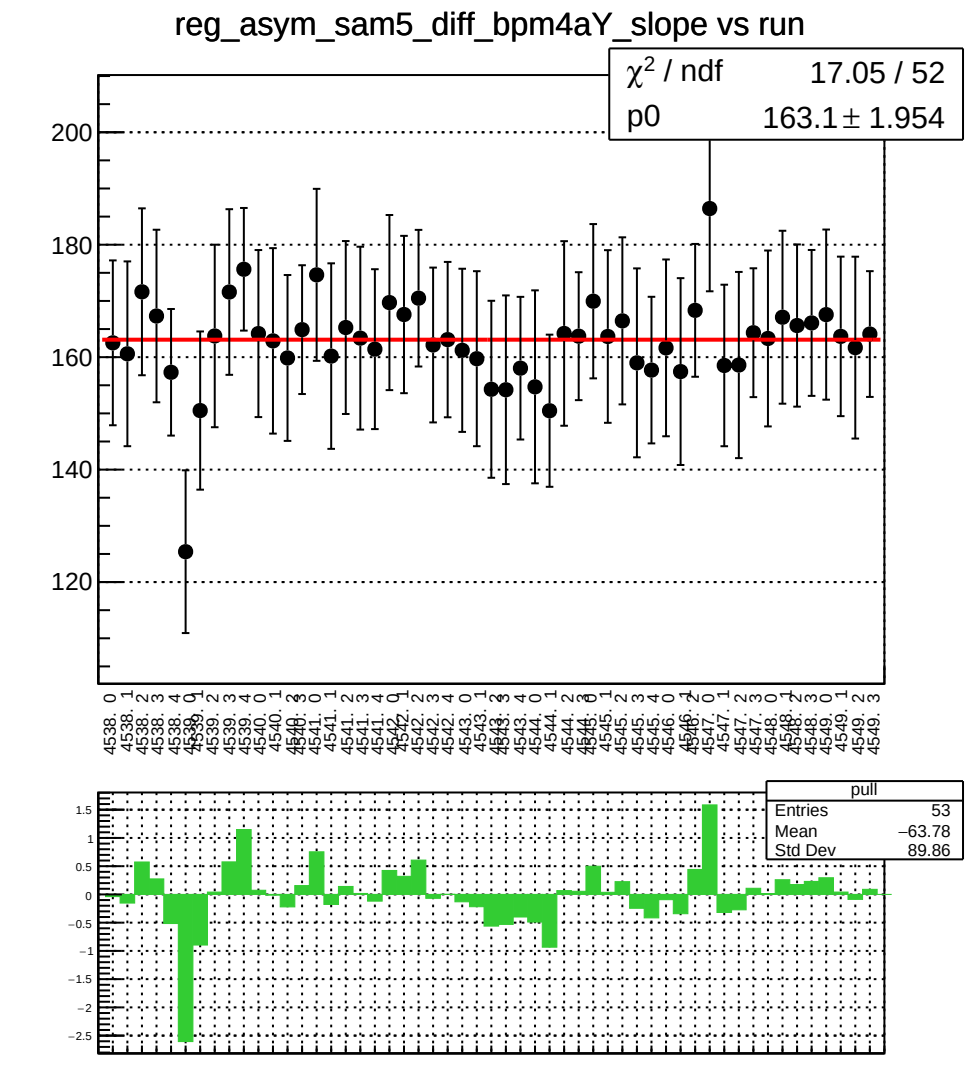

pull1D
Entries 53
Mean 0.03997
Std Dev 1.156

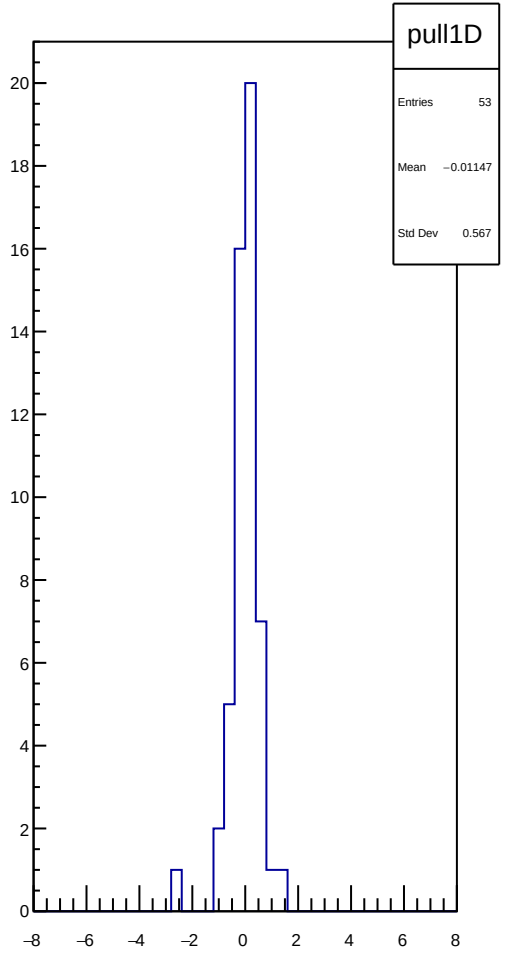

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 2.33 / 52
p0 4.148 ± 1.924
pull
Entries 53
Mean −6.858
Std Dev 71.71

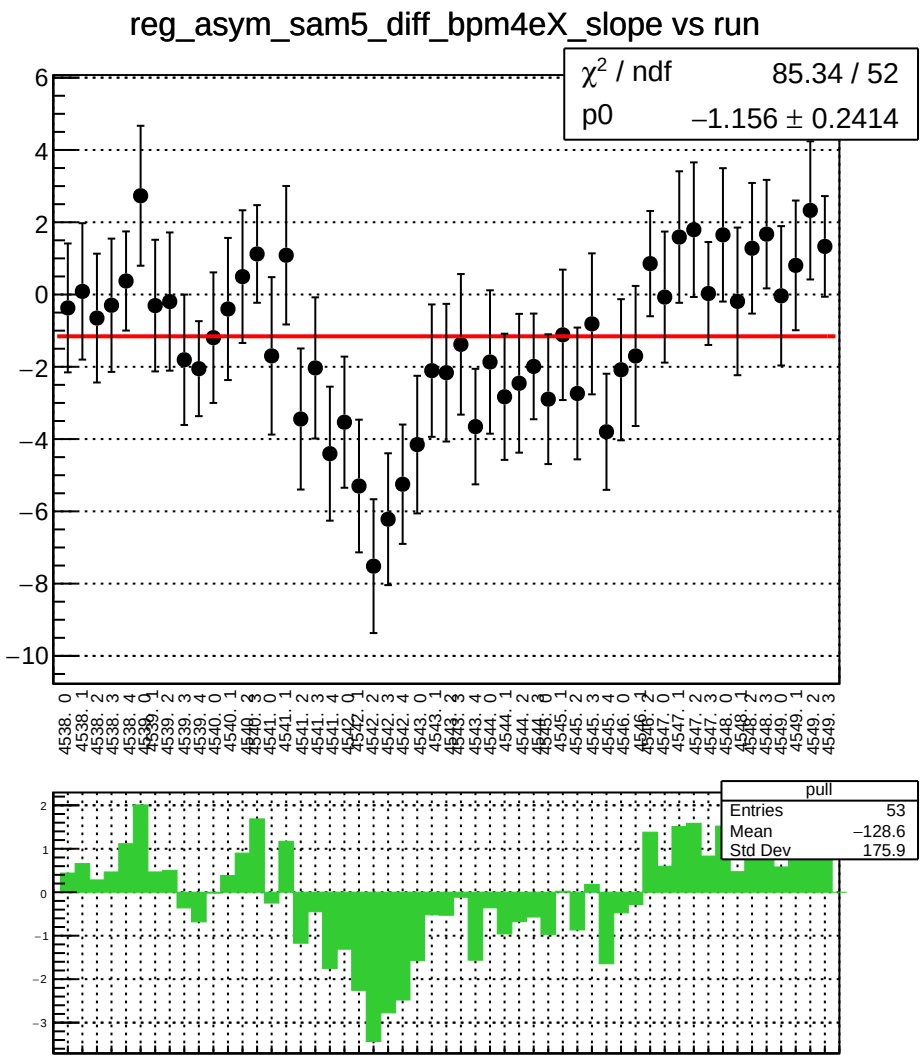

pull1D
Entries 53
Mean −0.0004722
Std Dev 0.2097

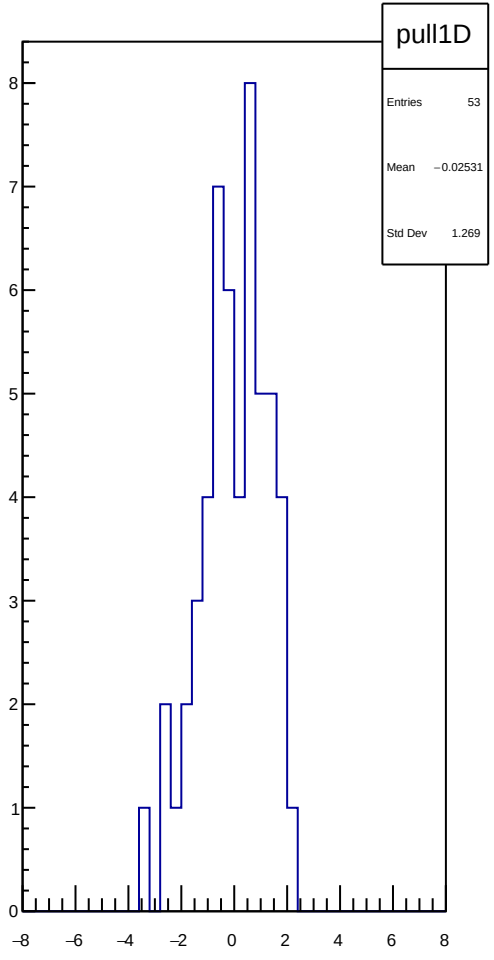

reg_asym_sam5_diff_bpm4aX_slope vs run
χ^2 / ndf 7.219 / 52
p0 21.75 ± 1.471
pull
Entries 53
Mean 284.8
Std Dev 295.8

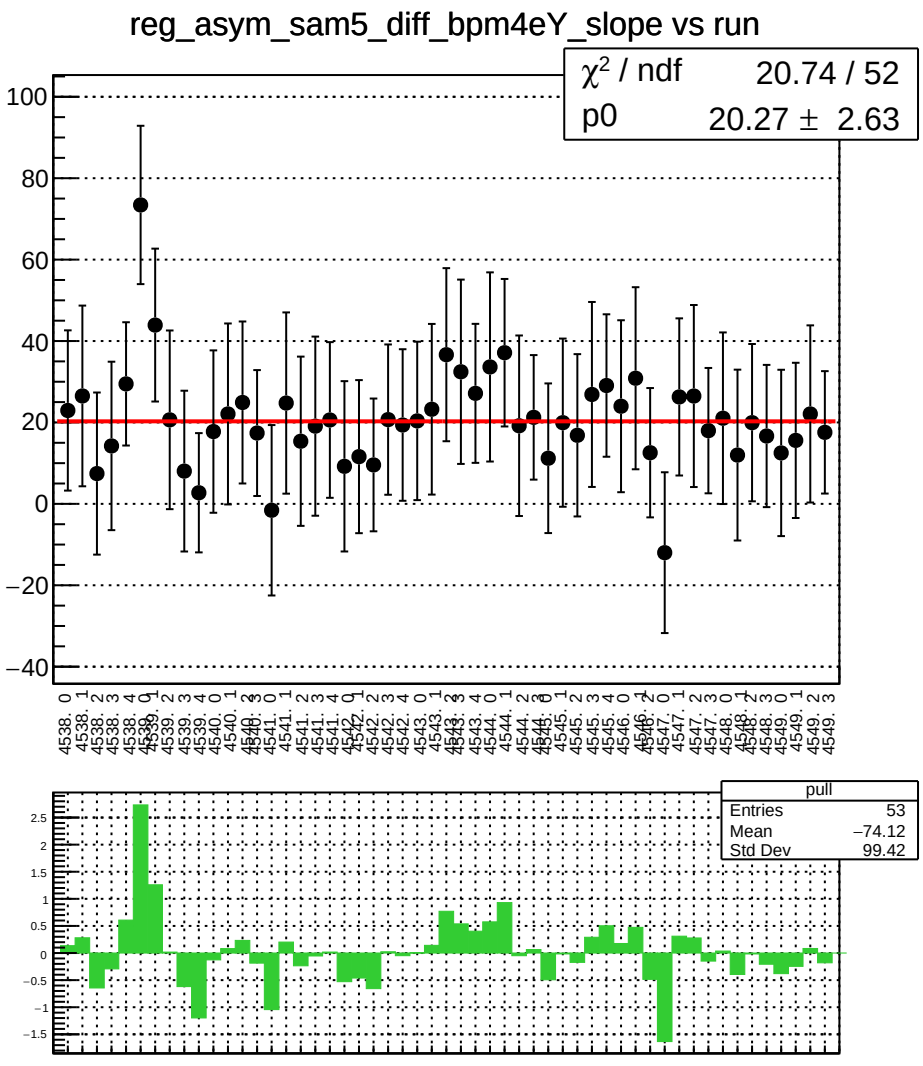

pull1D
Entries 53
Mean 0.000451
Std Dev 0.3691

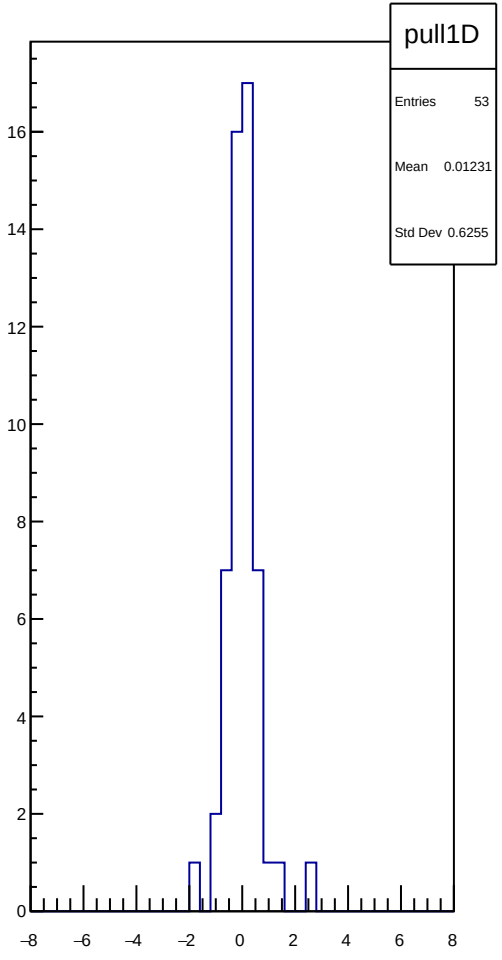

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 17.05 / 52
p0 163.1 ± 1.954
200
180
160
140
120
pull
Entries 53
Mean −63.78
Std Dev 89.86
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

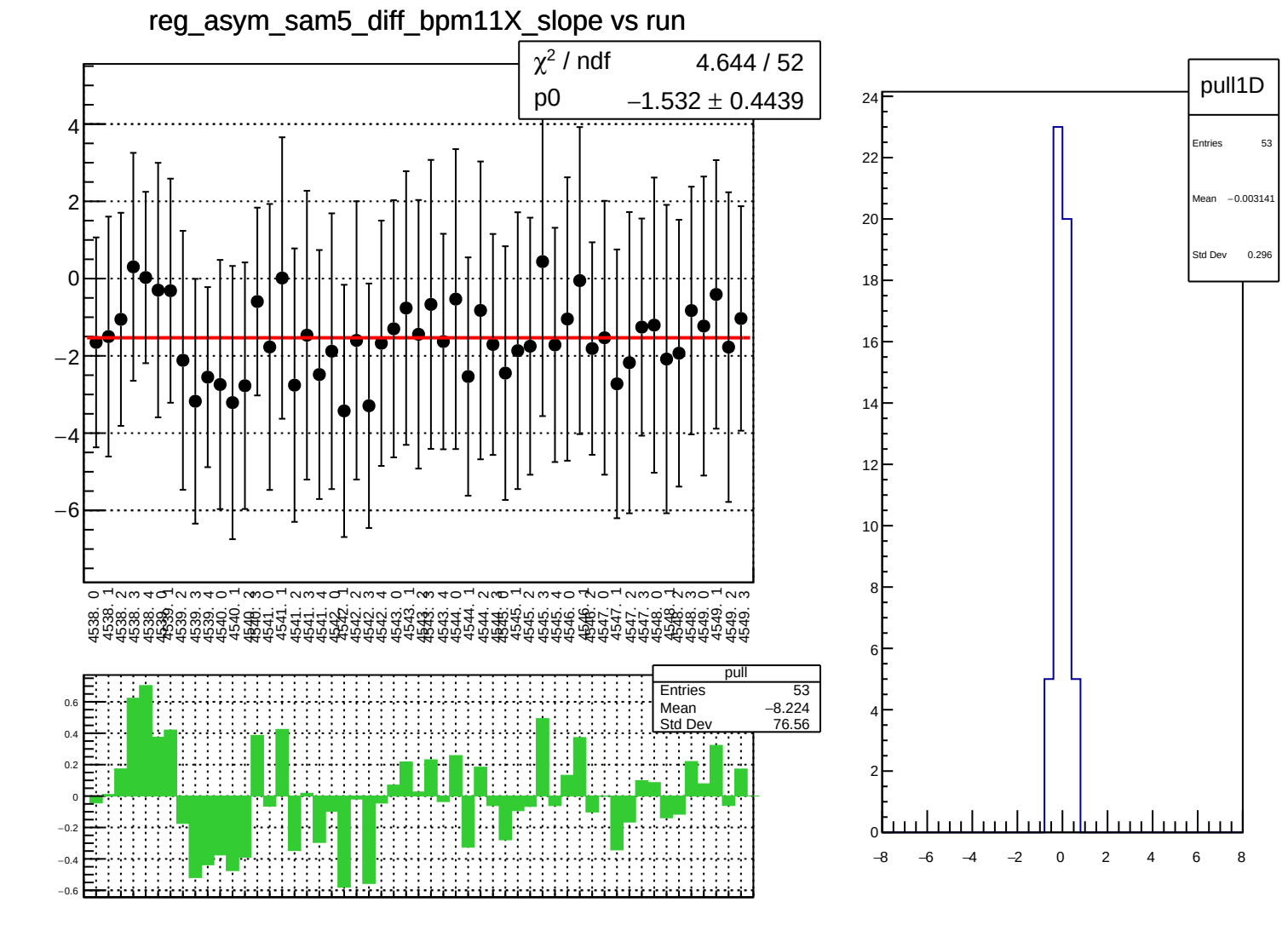

pull1D
Entries 53
Mean −0.01147
Std Dev 0.567
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

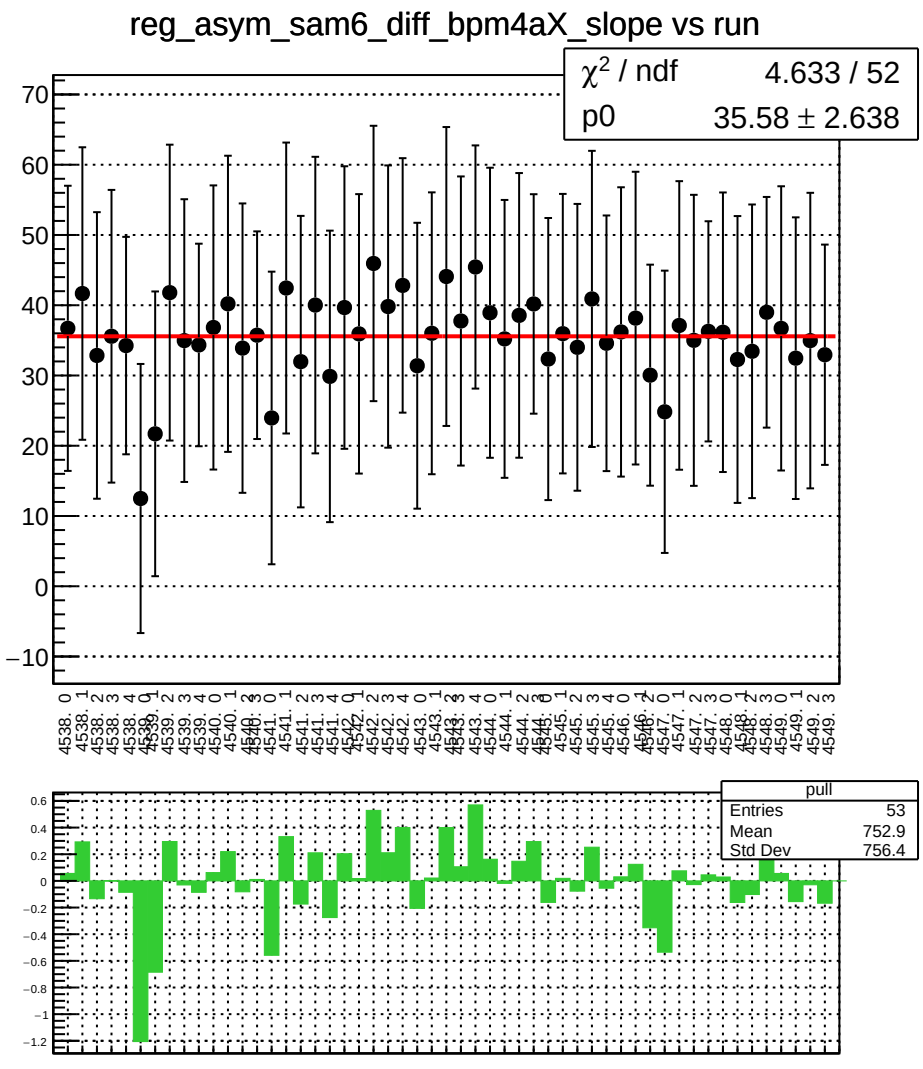

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 85.34 / 52
p0 −1.156 ± 0.2414
pull
Entries 53
Mean −128.6
Std Dev 175.9

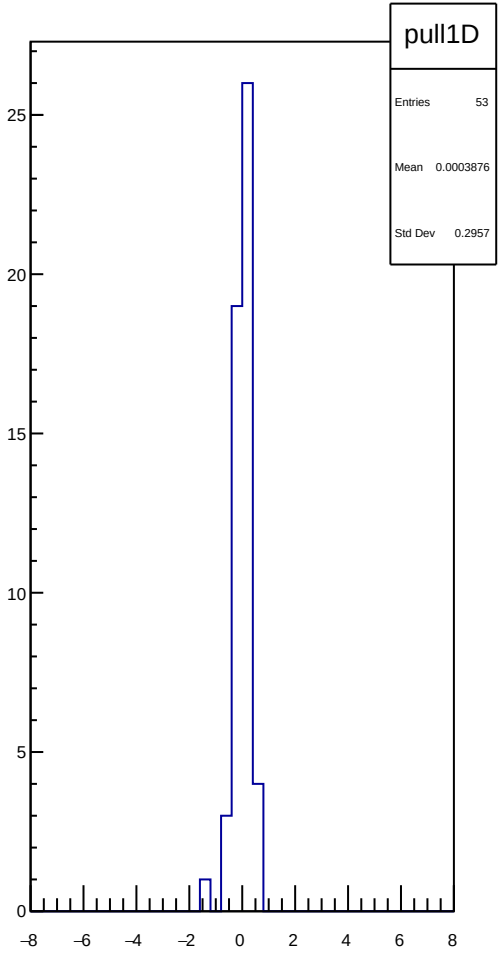

pull1D
Entries 53
Mean −0.02531
Std Dev 1.269

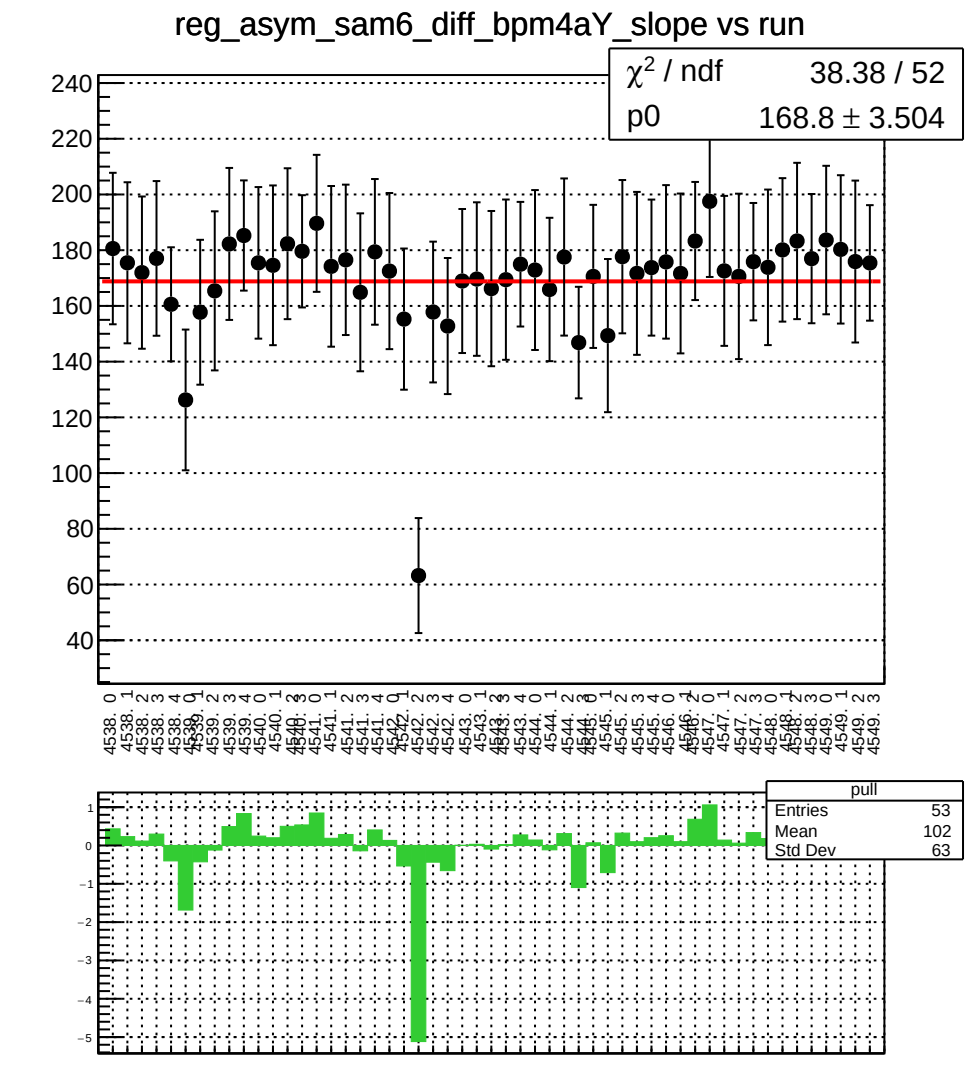

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 20.74 / 52
p0 20.27 ± 2.63
pull
Entries 53
Mean −74.12
Std Dev 99.42

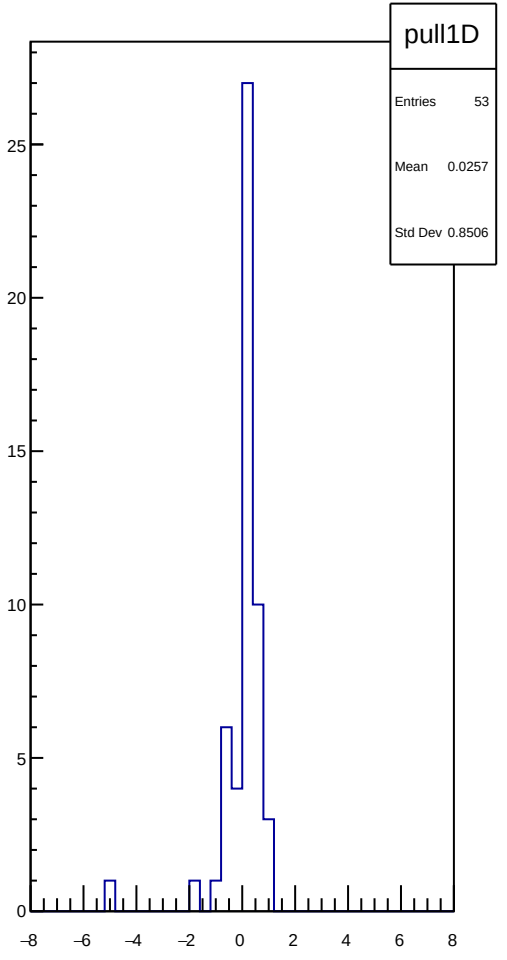

pull1D
Entries 53
Mean 0.01231
Std Dev 0.6255

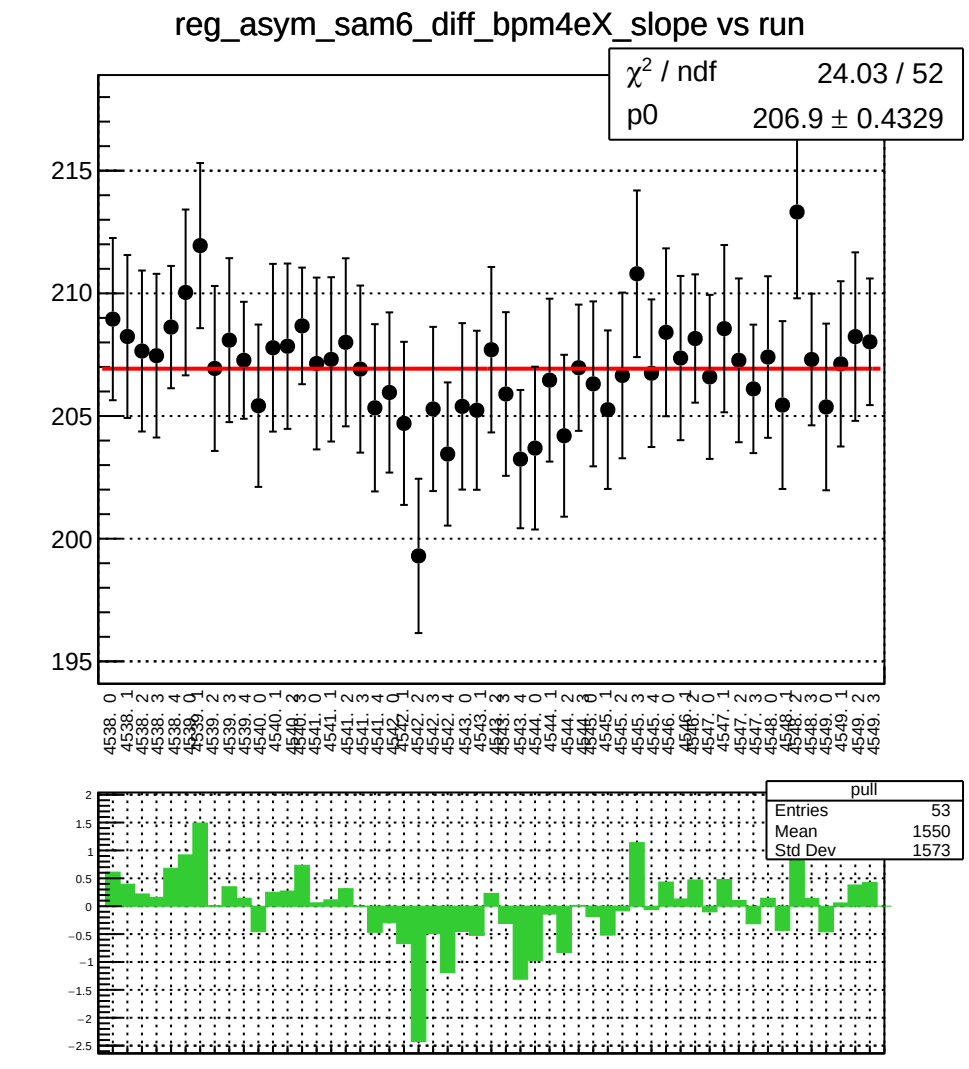

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 4.644 / 52
p0 −1.532 ± 0.4439
pull
Entries 53
Mean −8.224
Std Dev 76.56
pull1D
Entries 53
Mean −0.003141
Std Dev 0.296

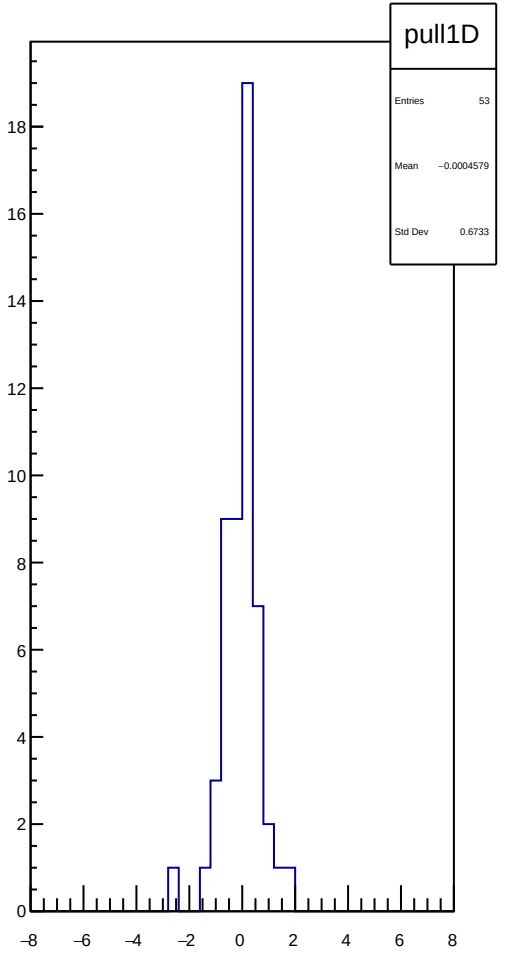

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 4.633 / 52
p0 35.58 ± 2.638
pull
Entries 53
Mean 752.9
Std Dev 756.4

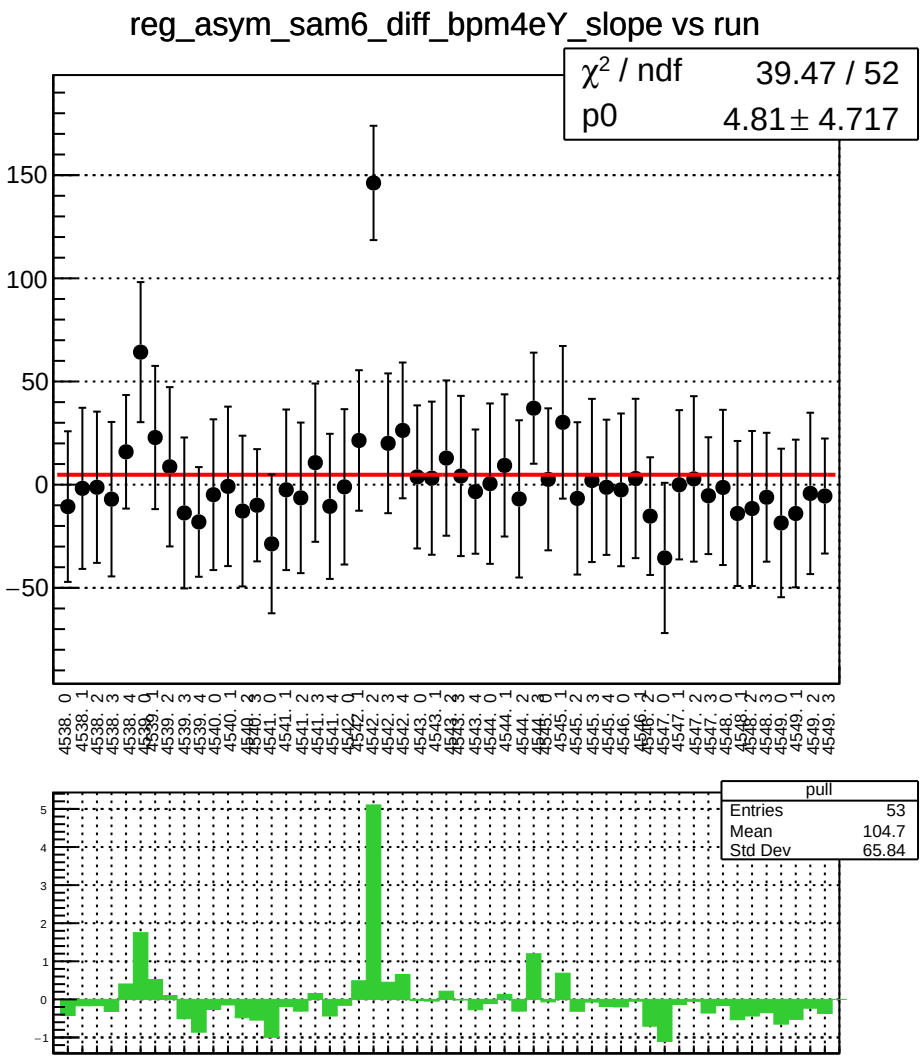

pull1D
Entries 53
Mean 0.0003876
Std Dev 0.2957

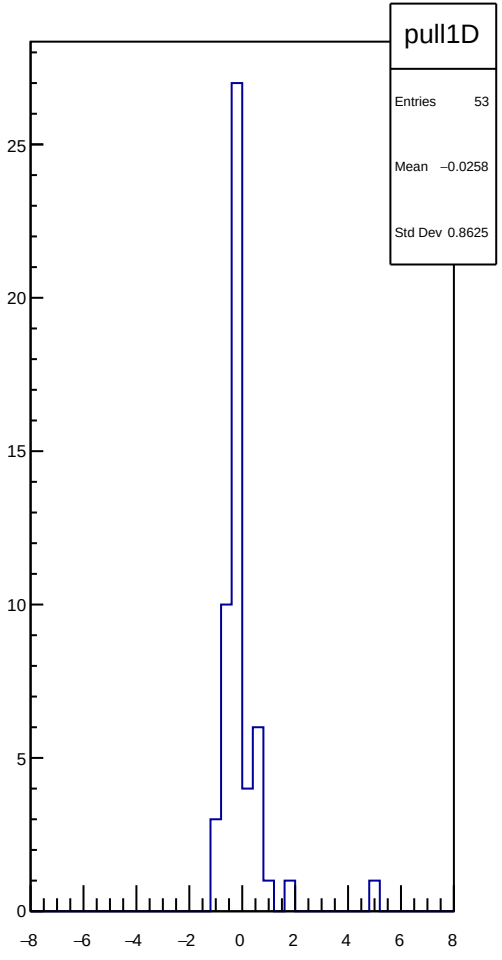

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 38.38 / 52
p0 168.8 ± 3.504
pull
Entries 53
Mean 102
Std Dev 63

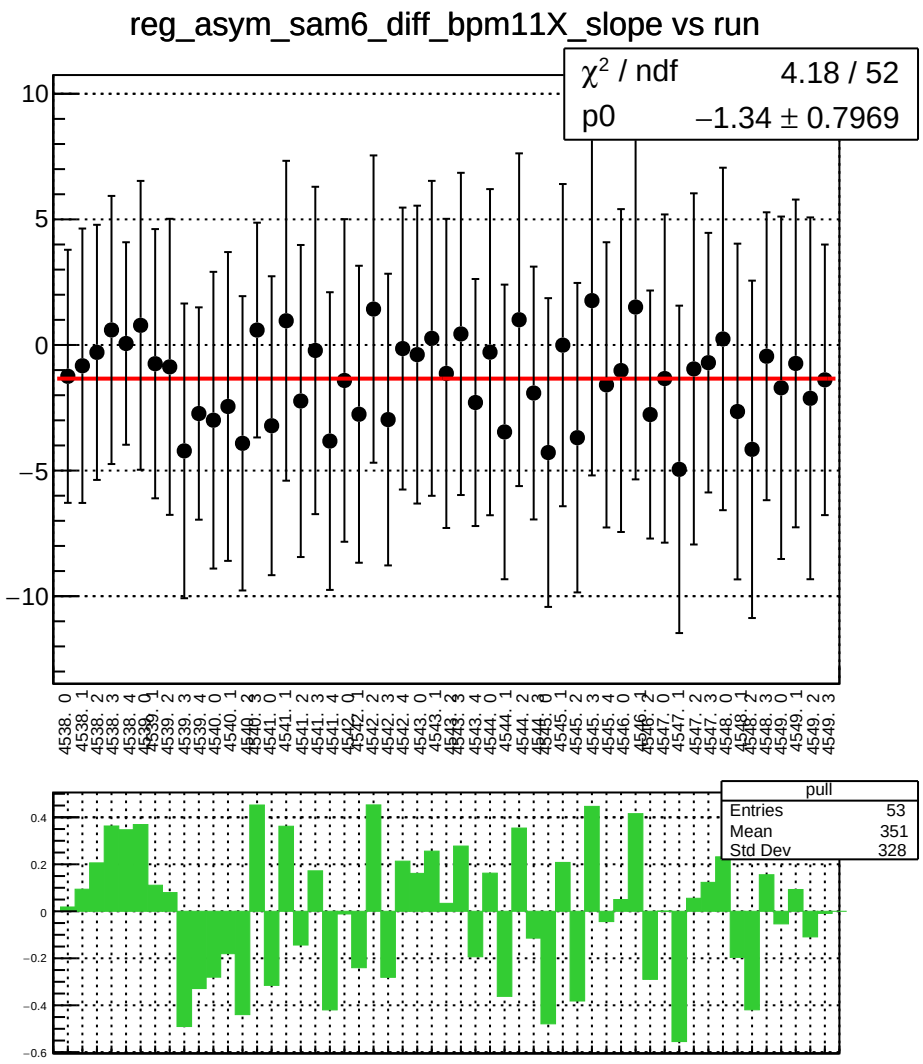

pull1D
Entries 53
Mean 0.0257
Std Dev 0.8506

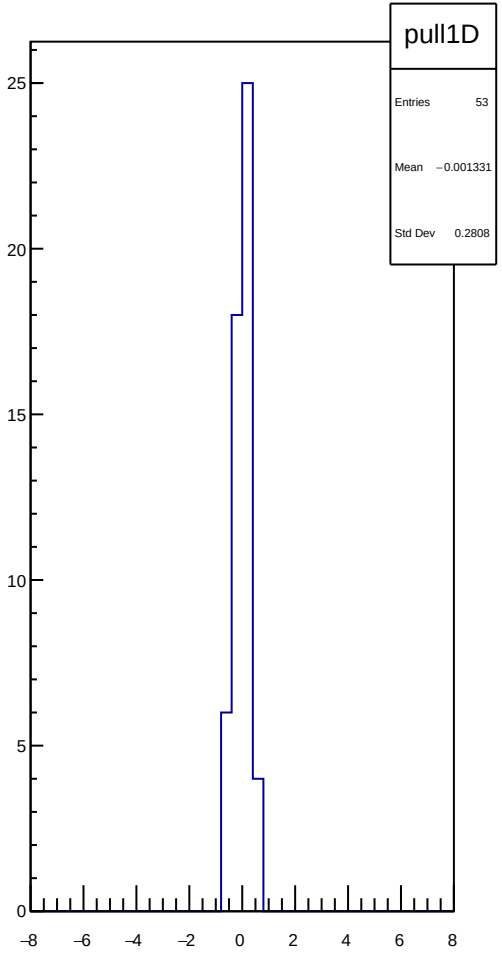

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 24.03 / 52
p0 206.9 ± 0.4329
215
210
205
200
195
pull
Entries 53
Mean 1550
Std Dev 1573
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

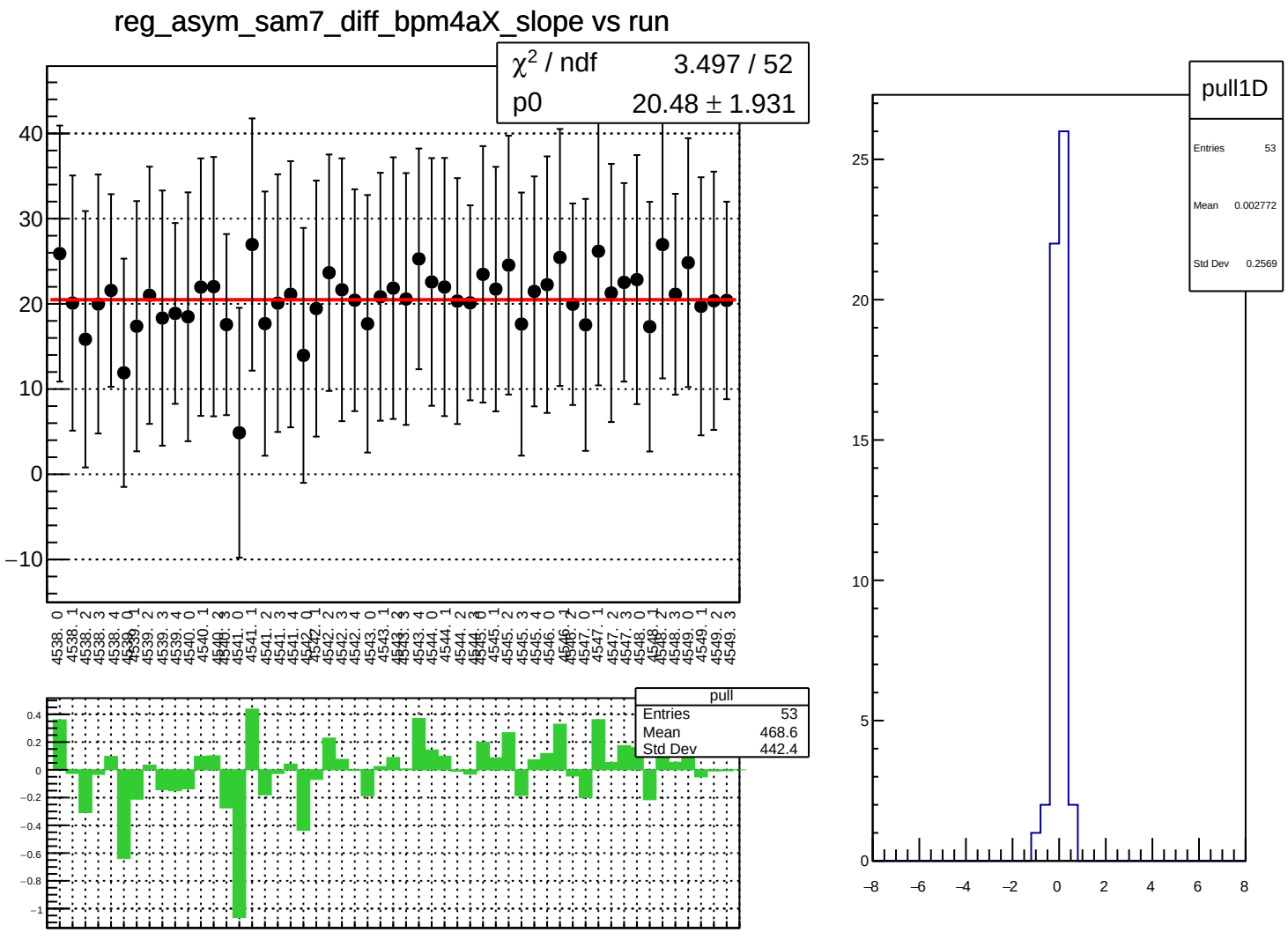

pull1D
Entries 53
Mean −0.0004579
Std Dev 0.6733
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

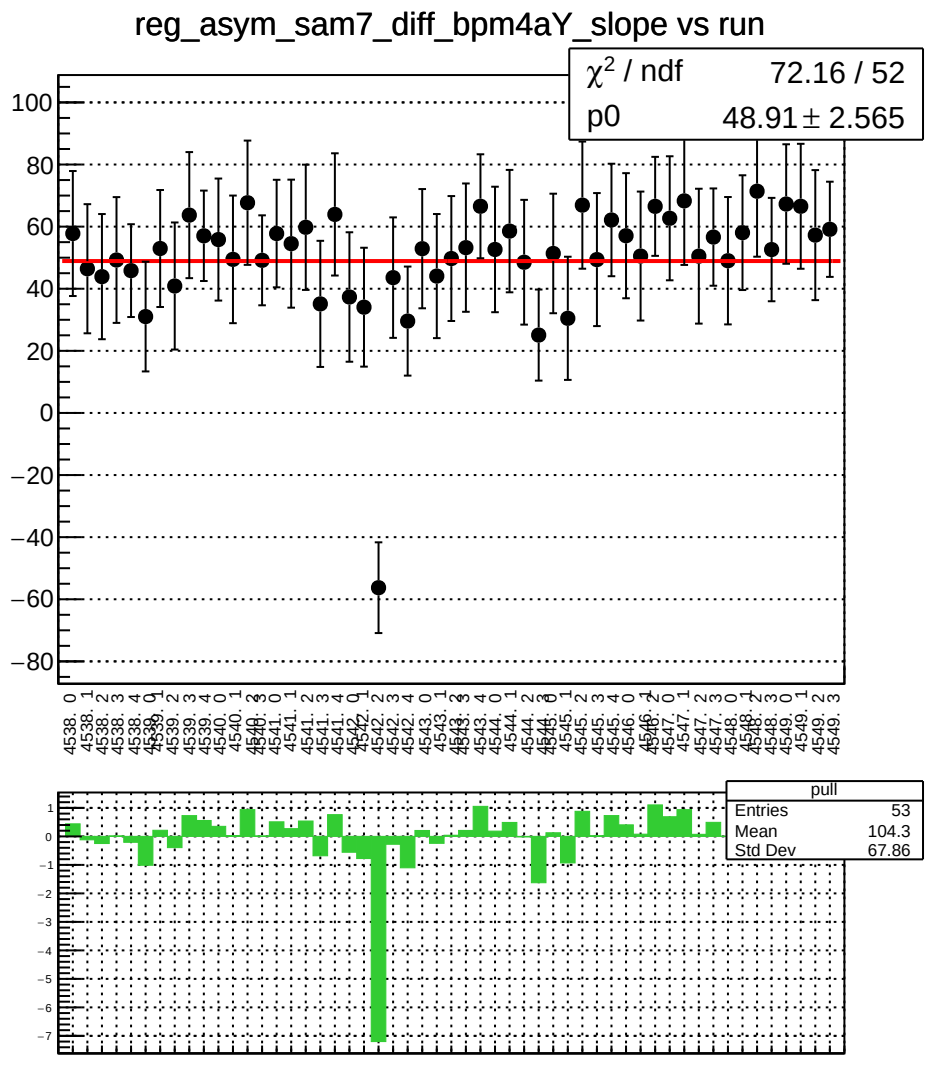

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 39.47 / 52
p0 4.81 ± 4.717
150
100
50
0
−50
pull
Entries 53
Mean 104.7
Std Dev 65.84
5
4
3
2
1
0
−1

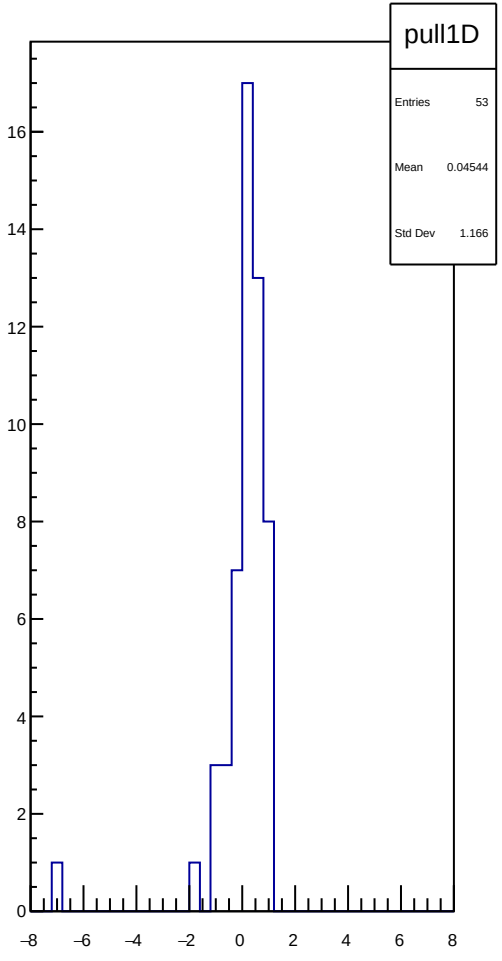

pull1D
Entries 53
Mean −0.0258
Std Dev 0.8625
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

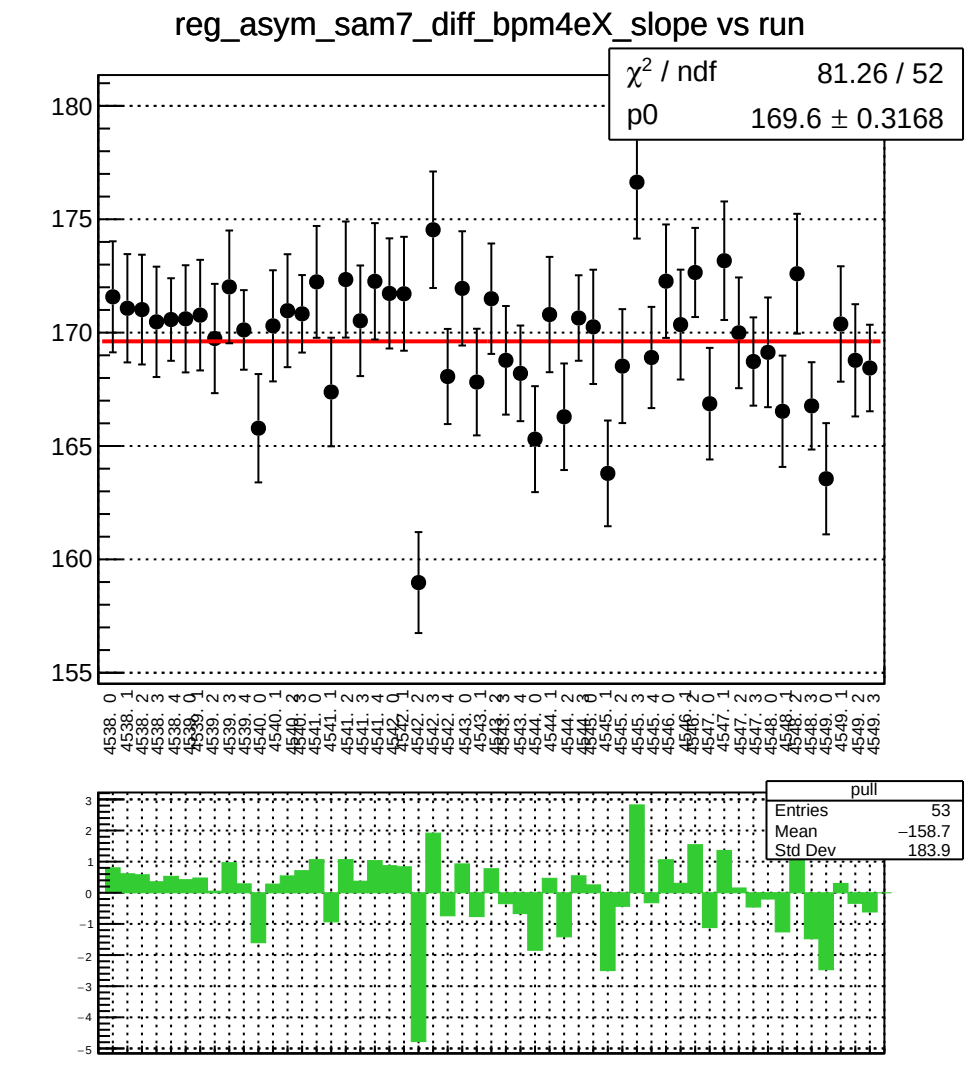

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 4.18 / 52
p0 −1.34 ± 0.7969
pull
Entries 53
Mean 351
Std Dev 328

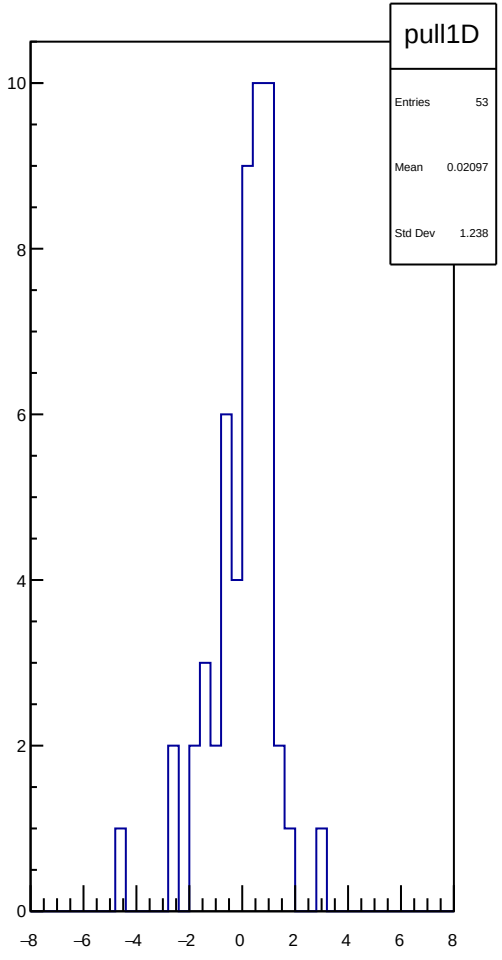

pull1D
Entries 53
Mean −0.001331
Std Dev 0.2808

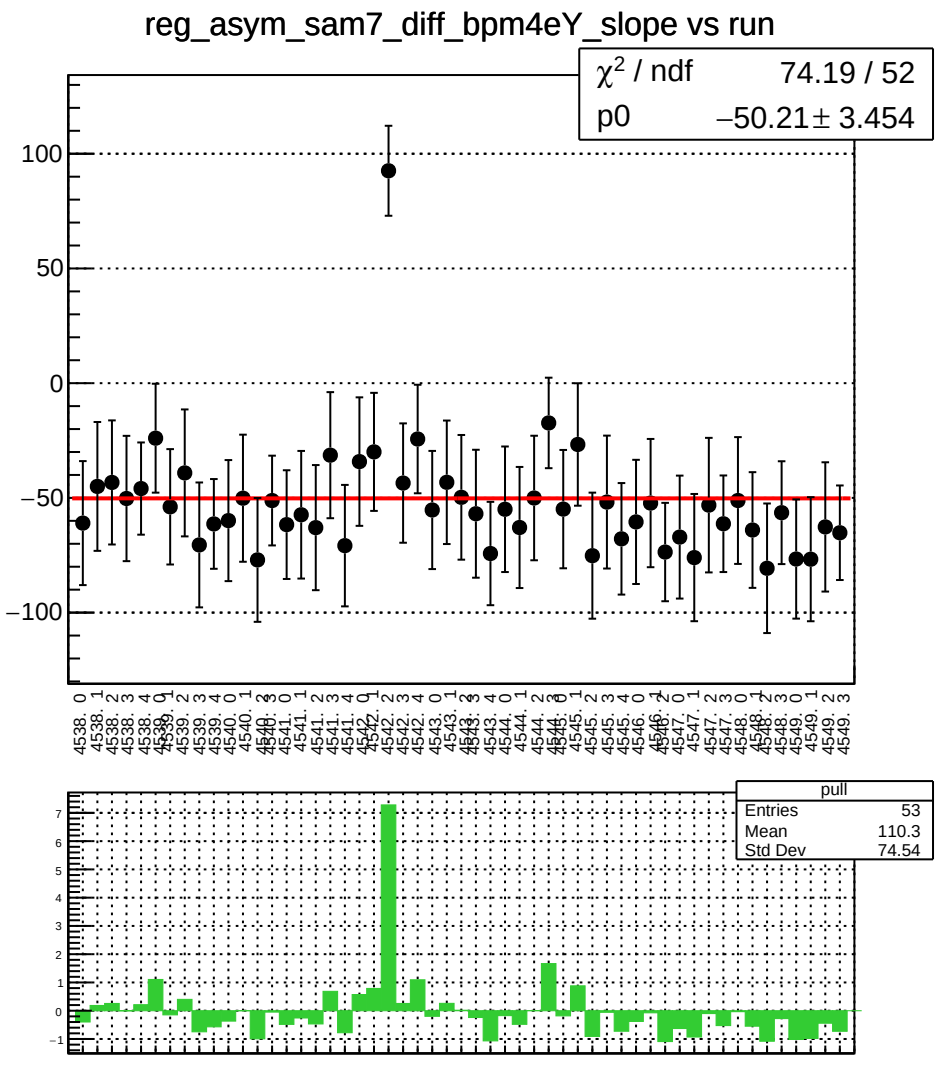

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 3.497 / 52
p0 20.48 ± 1.931
pull
Entries 53
Mean 468.6
Std Dev 442.4
pull1D
Entries 53
Mean 0.002772
Std Dev 0.2569

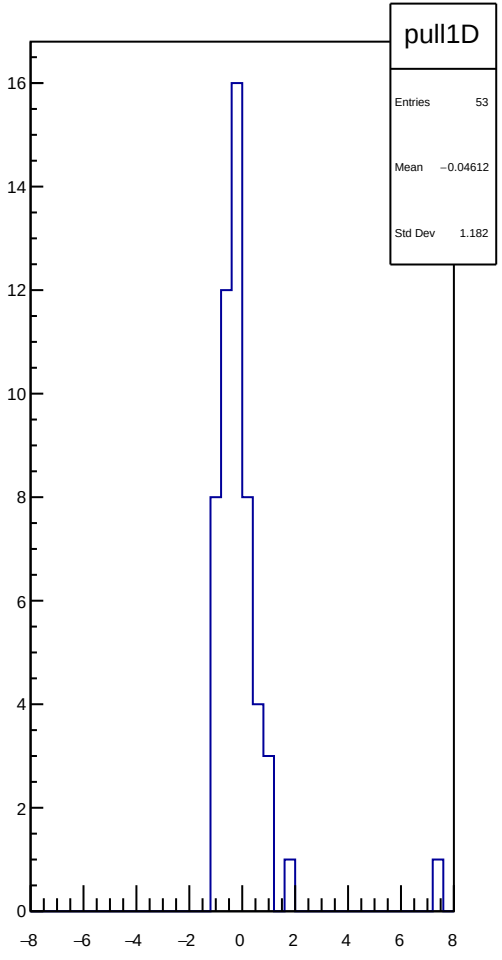

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 72.16 / 52
p0 48.91 ± 2.565
pull
Entries 53
Mean 104.3
Std Dev 67.86

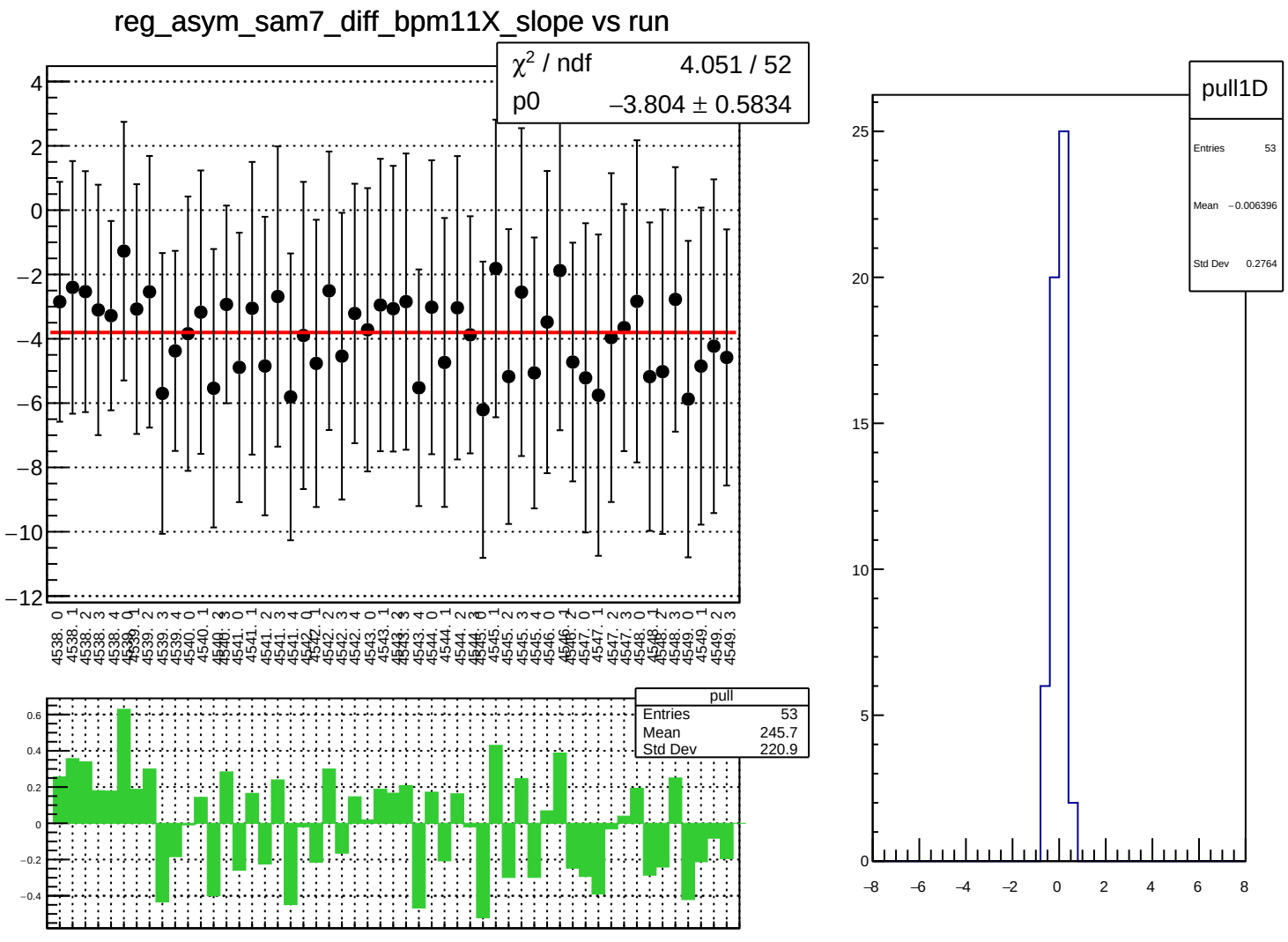

pull1D
Entries 53
Mean 0.04544
Std Dev 1.166

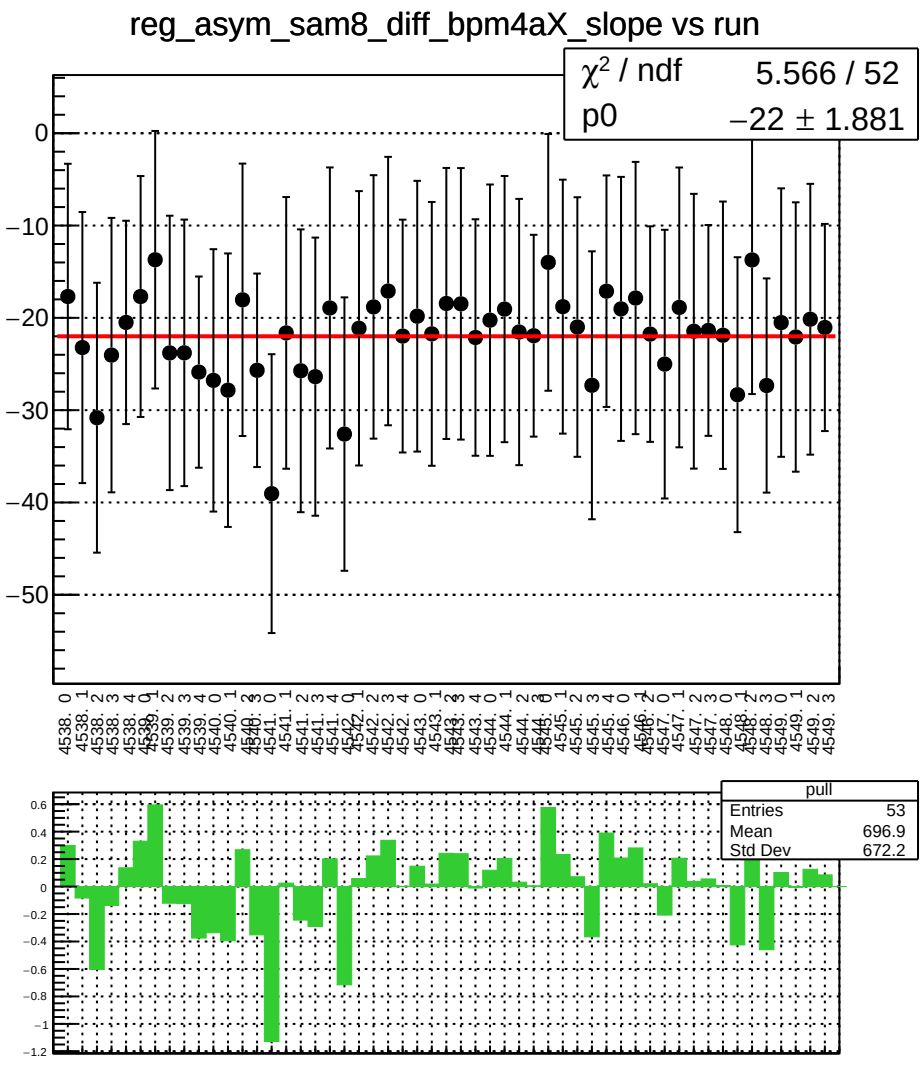

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 81.26 / 52
p0 169.6 ± 0.3168
pull
Entries 53
Mean −158.7
Std Dev 183.9

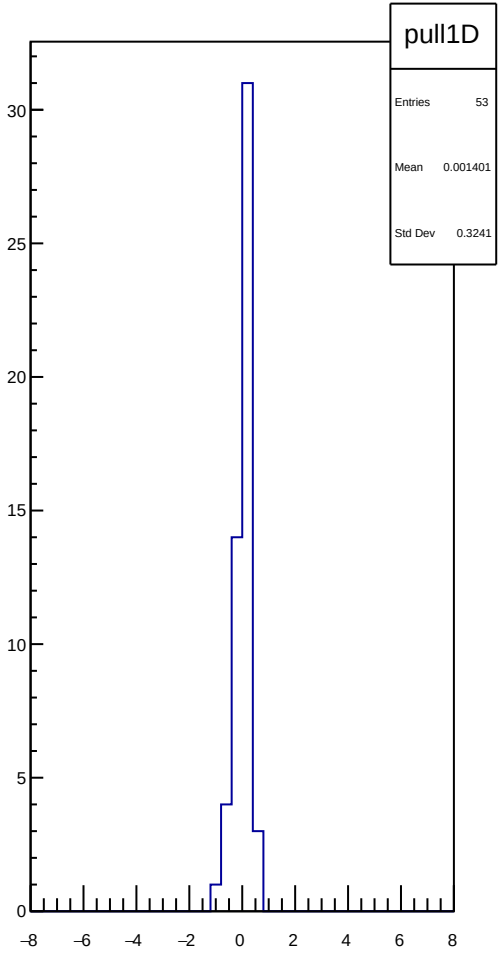

pull1D
Entries 53
Mean 0.02097
Std Dev 1.238

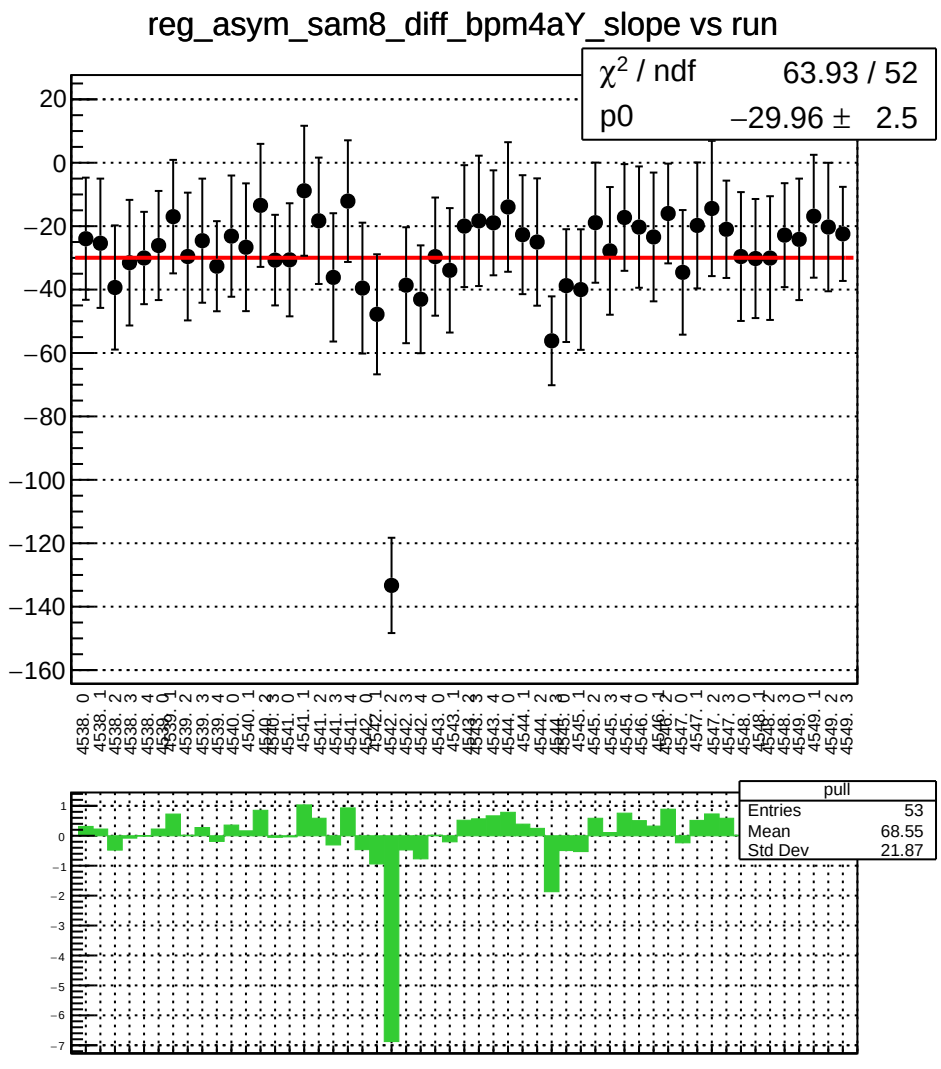

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 74.19 / 52
p0 −50.21 ± 3.454
pull
Entries 53
Mean 110.3
Std Dev 74.54

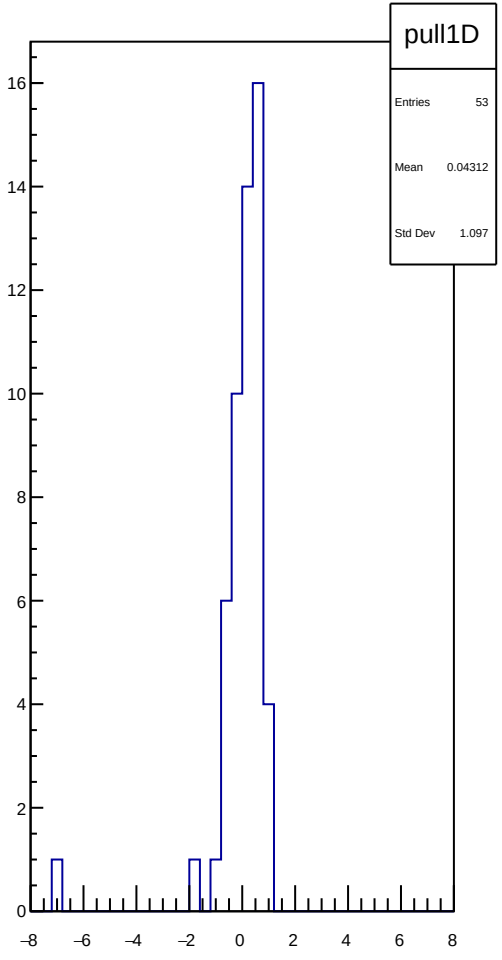

pull1D
Entries 53
Mean −0.04612
Std Dev 1.182

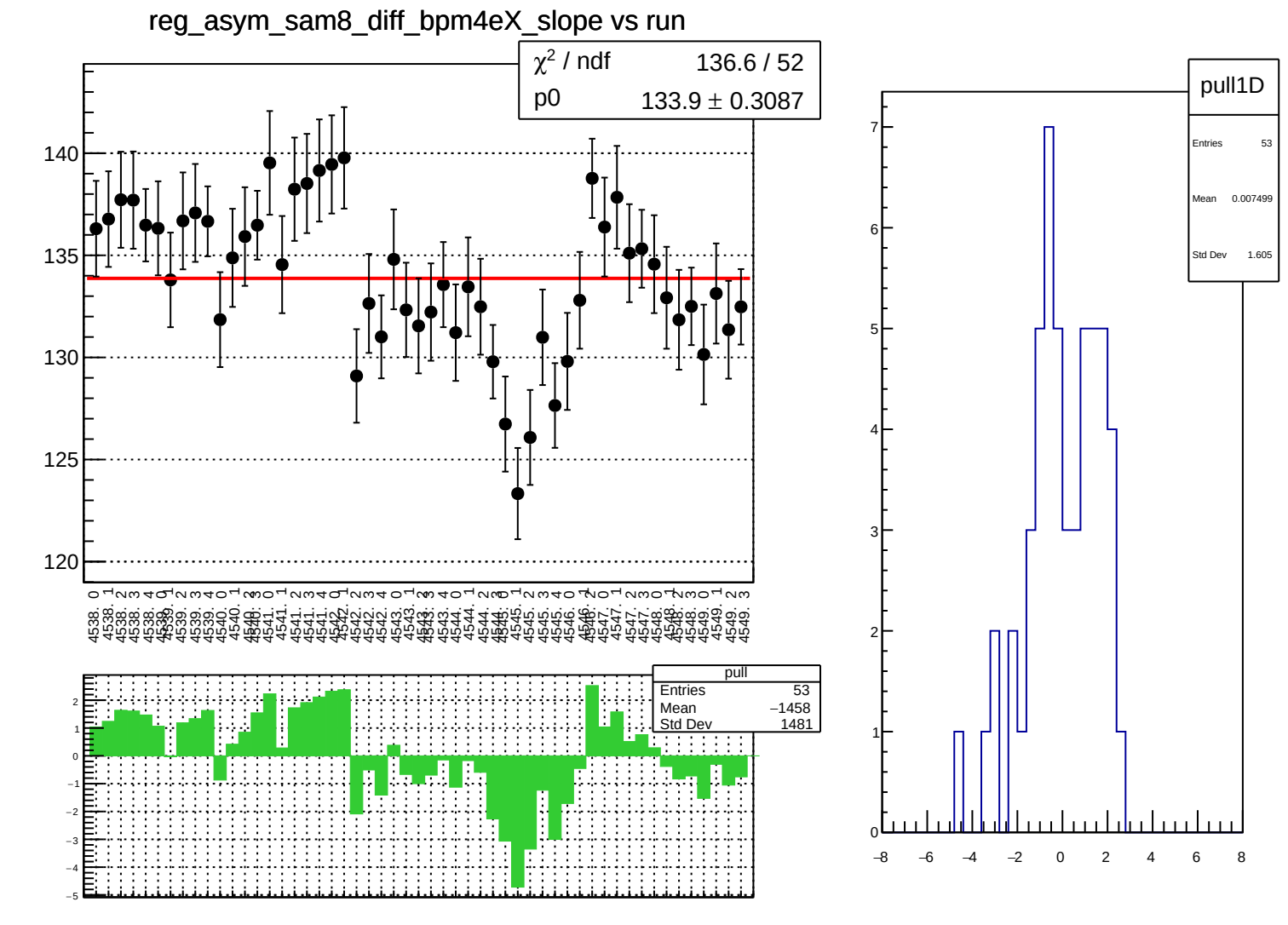

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 4.051 / 52
p0 −3.804 ± 0.5834
pull
Entries 53
Mean 245.7
Std Dev 220.9
pull1D
Entries 53
Mean −0.006396
Std Dev 0.2764

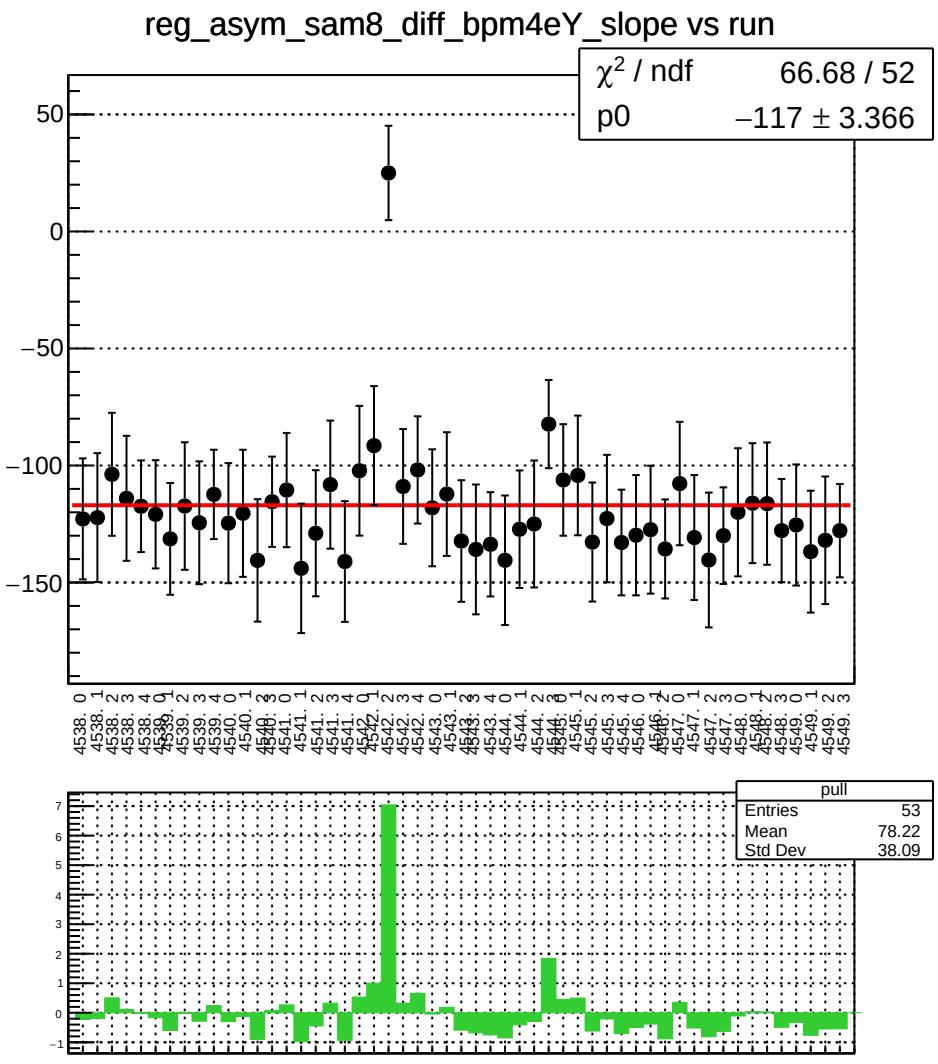

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 5.566 / 52
p0 −22 ± 1.881
pull
Entries 53
Mean 696.9
Std Dev 672.2

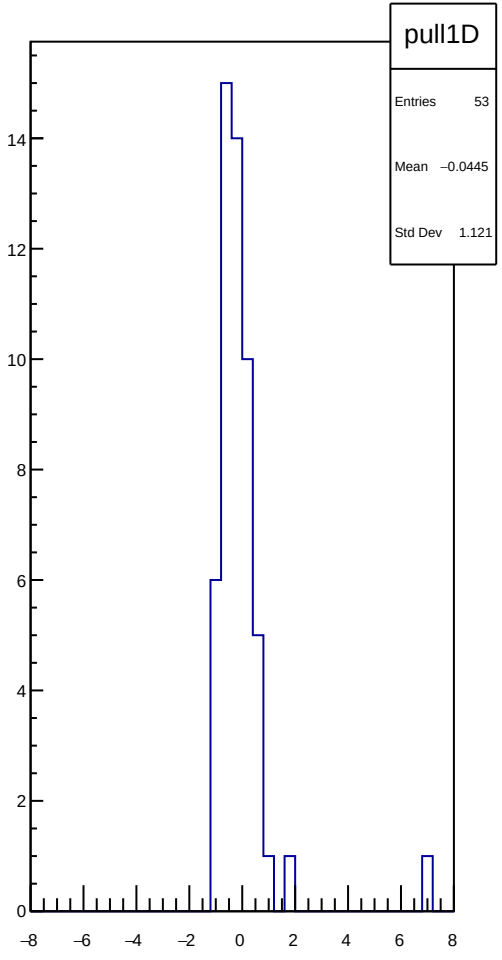

pull1D
Entries 53
Mean 0.001401
Std Dev 0.3241

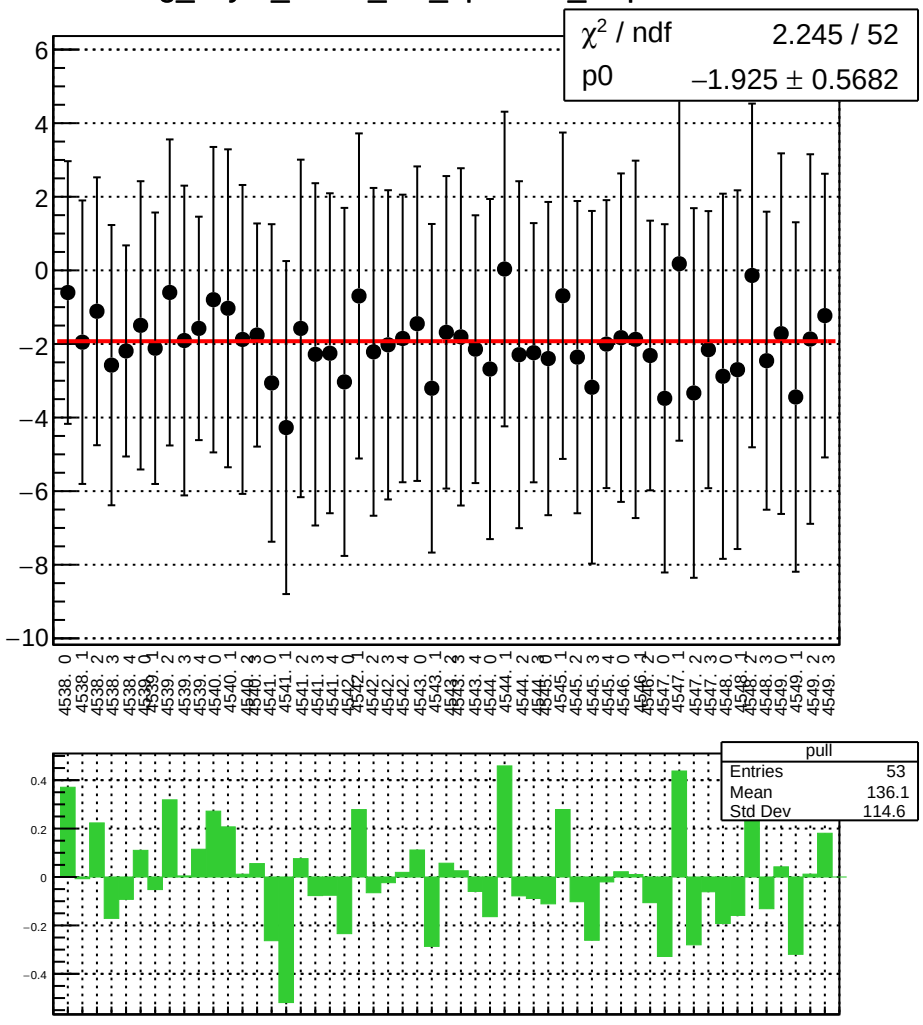

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 63.93 / 52
p0 −29.96 ± 2.5
pull
Entries 53
Mean 68.55
Std Dev 21.87

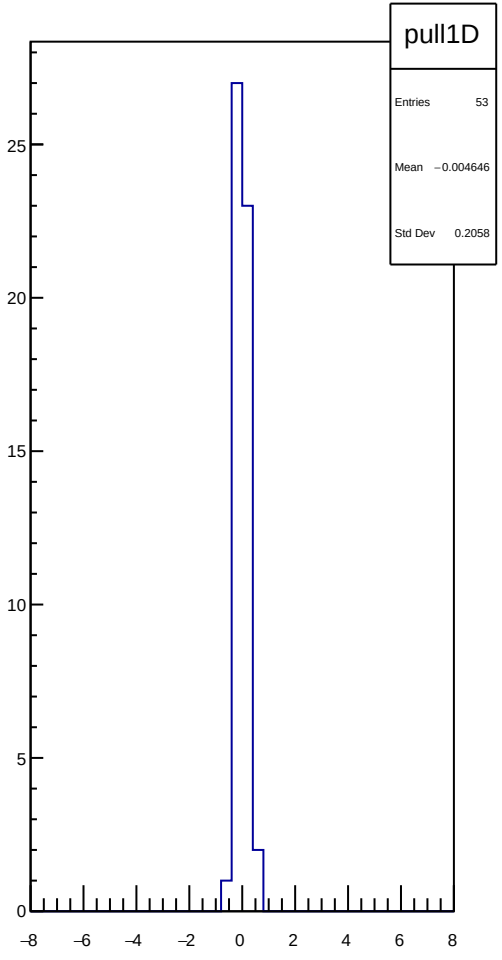

pull1D
Entries 53
Mean 0.04312
Std Dev 1.097

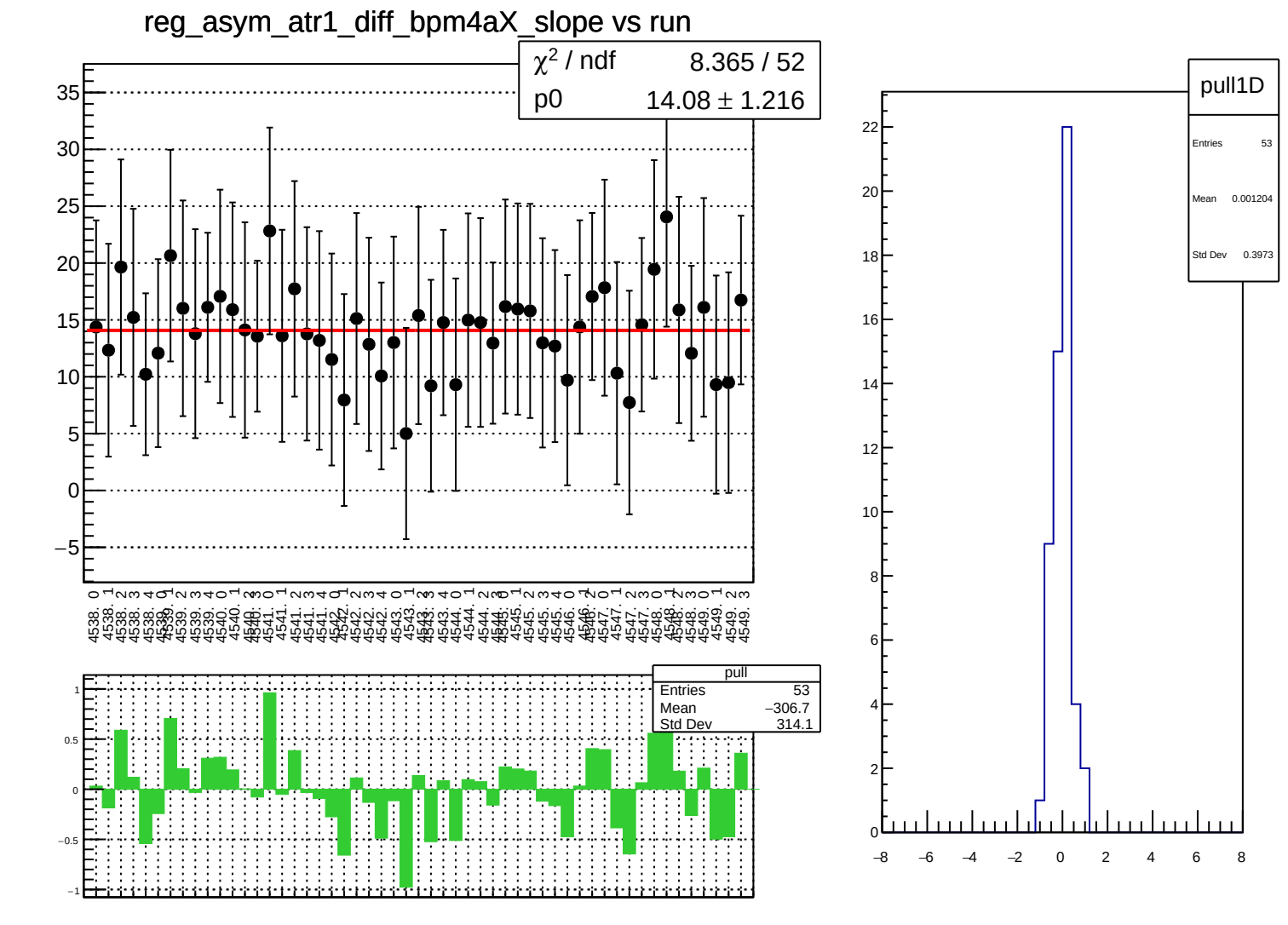

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 136.6 / 52
p0 133.9 ± 0.3087
140
135
130
125
120
pull
Entries 53
Mean −1458
Std Dev 1481
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 53
Mean 0.007499
Std Dev 1.605
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

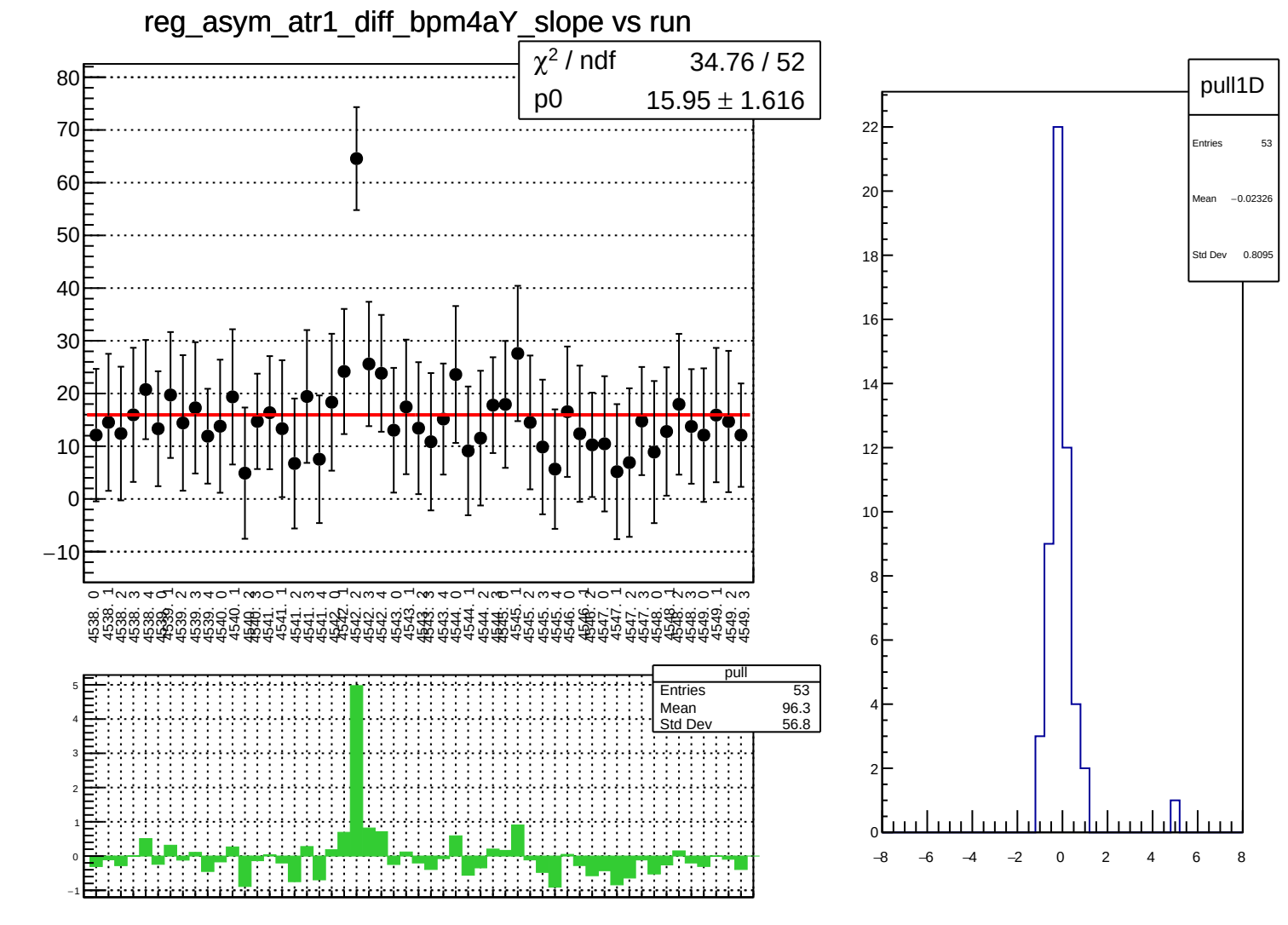

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 66.68 / 52
p0 −117 ± 3.366
pull
Entries 53
Mean 78.22
Std Dev 38.09

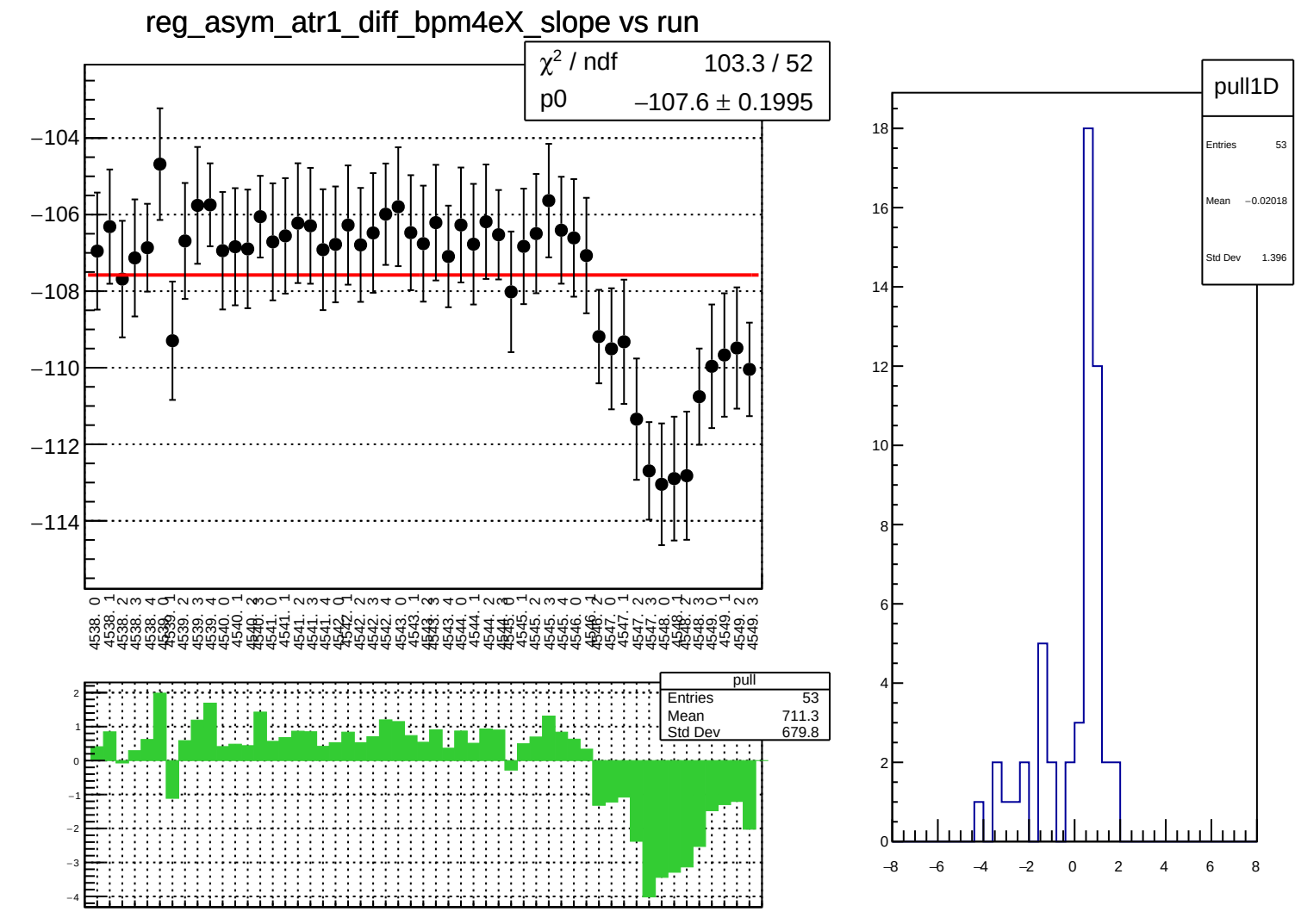

pull1D
Entries 53
Mean −0.0445
Std Dev 1.121

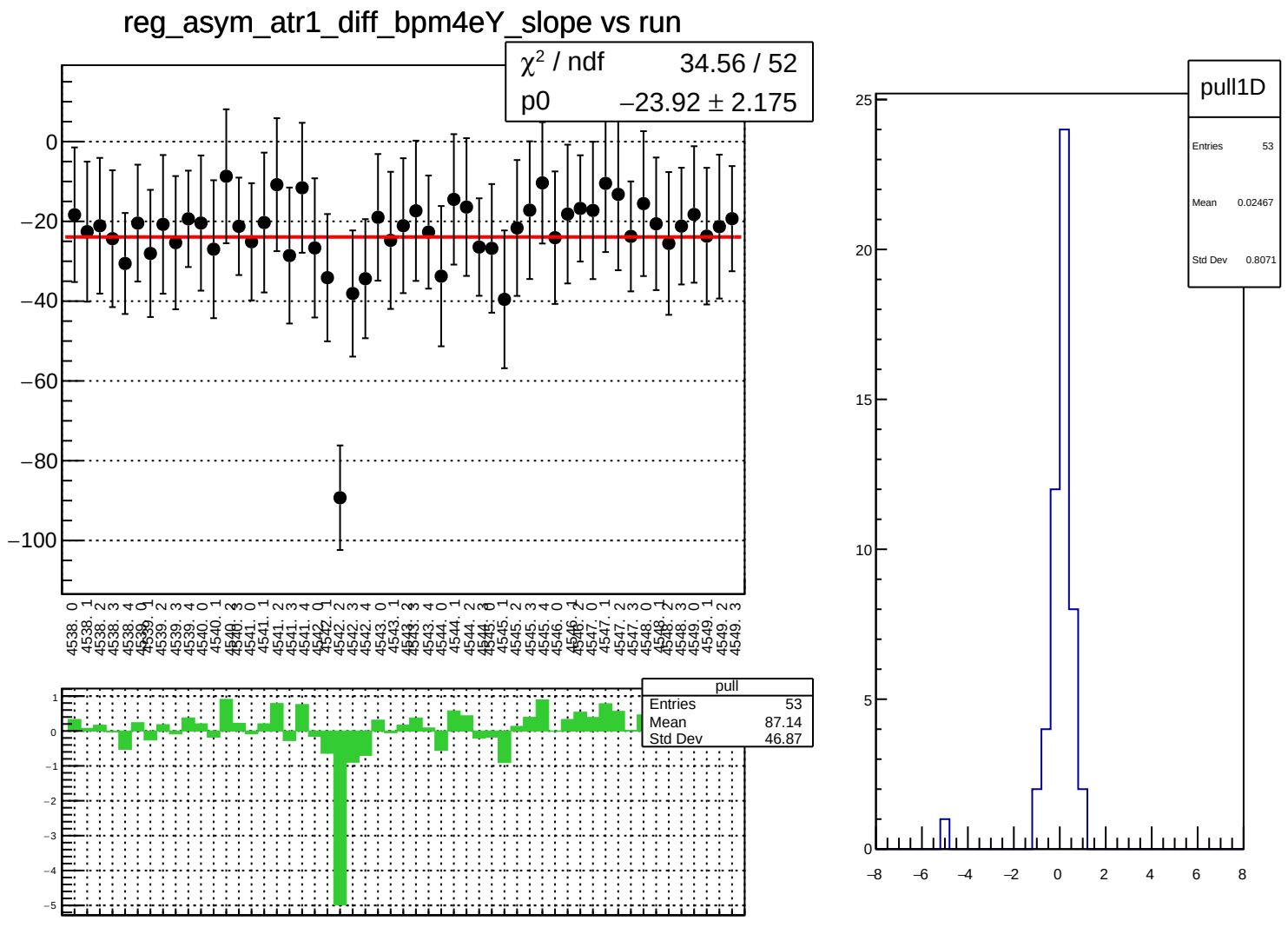

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 2.245 / 52
p0 −1.925 ± 0.5682
pull
Entries 53
Mean 136.1
Std Dev 114.6

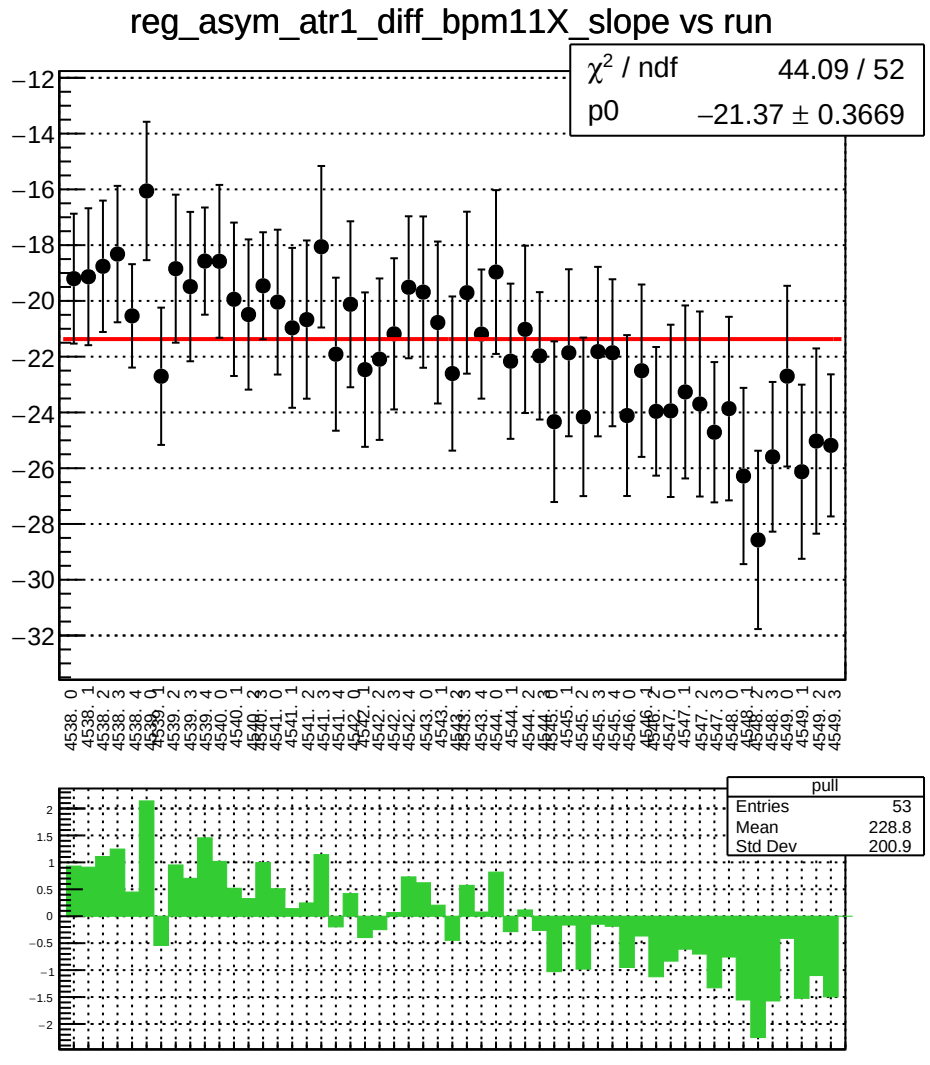

pull1D
Entries 53
Mean −0.004646
Std Dev 0.2058

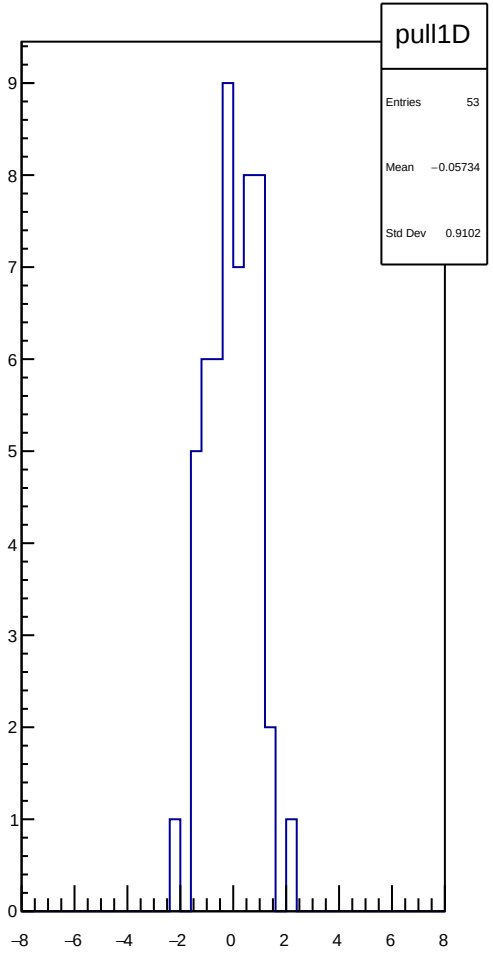

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 8.365 / 52
p0 14.08 ± 1.216
pull
Entries 53
Mean −306.7
Std Dev 314.1
pull1D
Entries 53
Mean 0.001204
Std Dev 0.3973

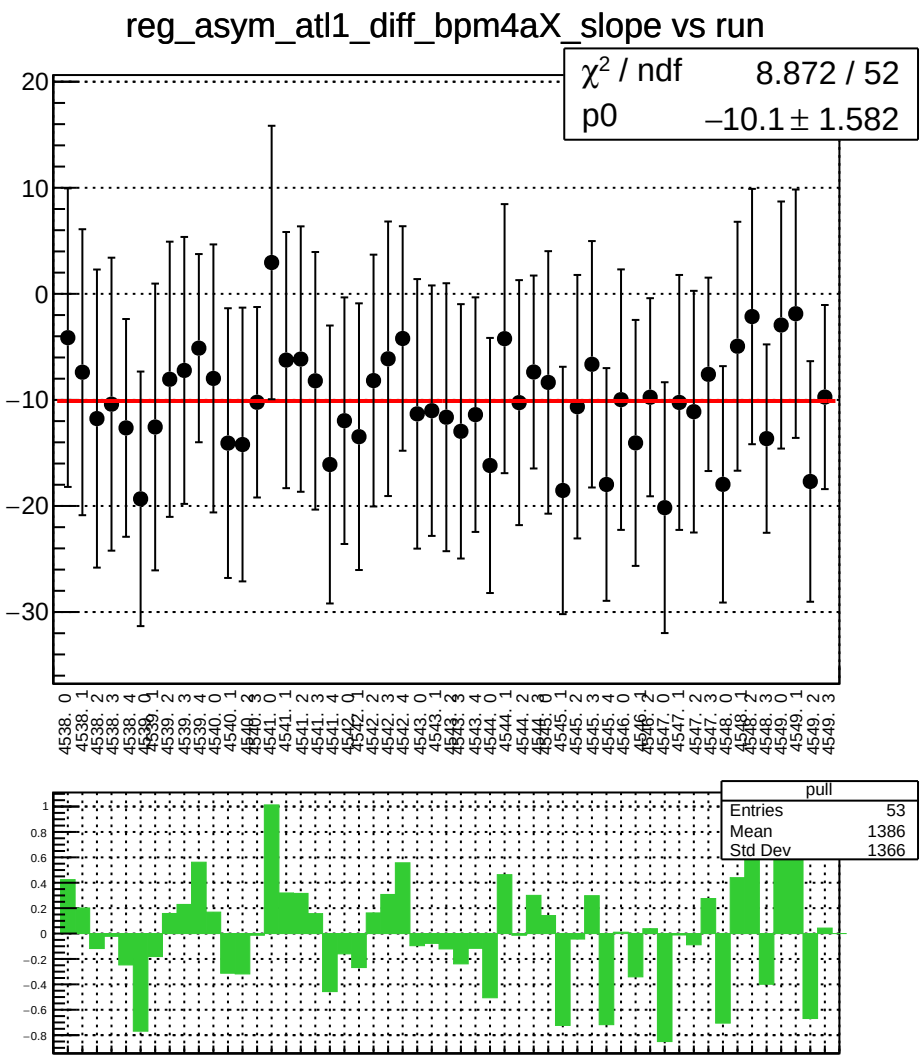

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 34.76 / 52
p0 15.95 ± 1.616
pull
Entries 53
Mean 96.3
Std Dev 56.8
pull1D
Entries 53
Mean −0.02326
Std Dev 0.8095

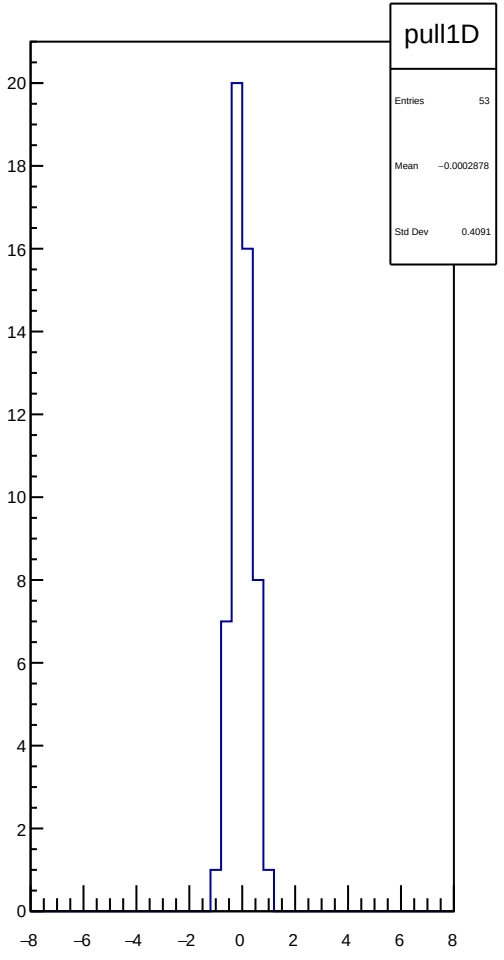

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 103.3 / 52
p0 −107.6 ± 0.1995
pull
Entries 53
Mean 711.3
Std Dev 679.8
pull1D
Entries 53
Mean −0.02018
Std Dev 1.396

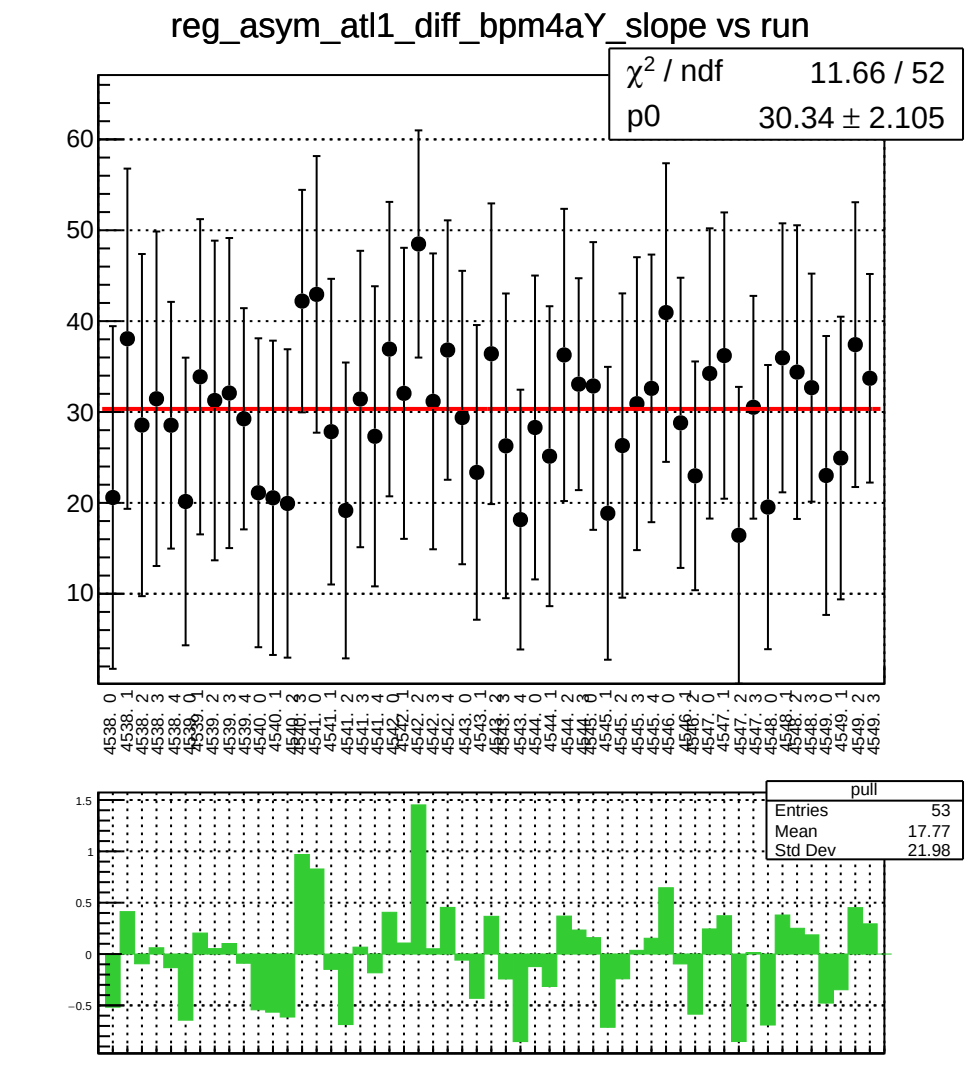

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 34.56 / 52
p0 −23.92 ± 2.175
pull
Entries 53
Mean 87.14
Std Dev 46.87
pull1D
Entries 53
Mean 0.02467
Std Dev 0.8071

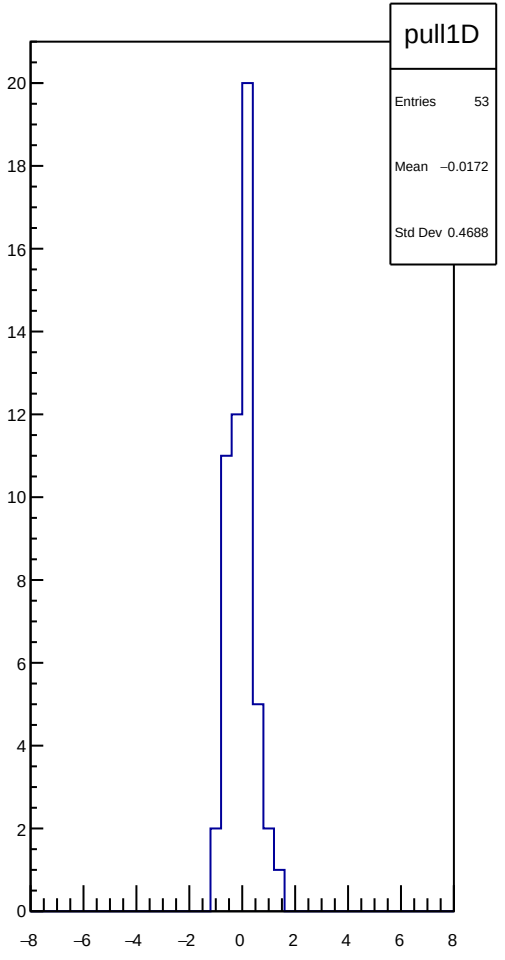

reg_asym_atr1_diff_bpm11X_slope vs run
χ² / ndf 44.09 / 52
p0 −21.37 ± 0.3669
pull
Entries 53
Mean 228.8
Std Dev 200.9

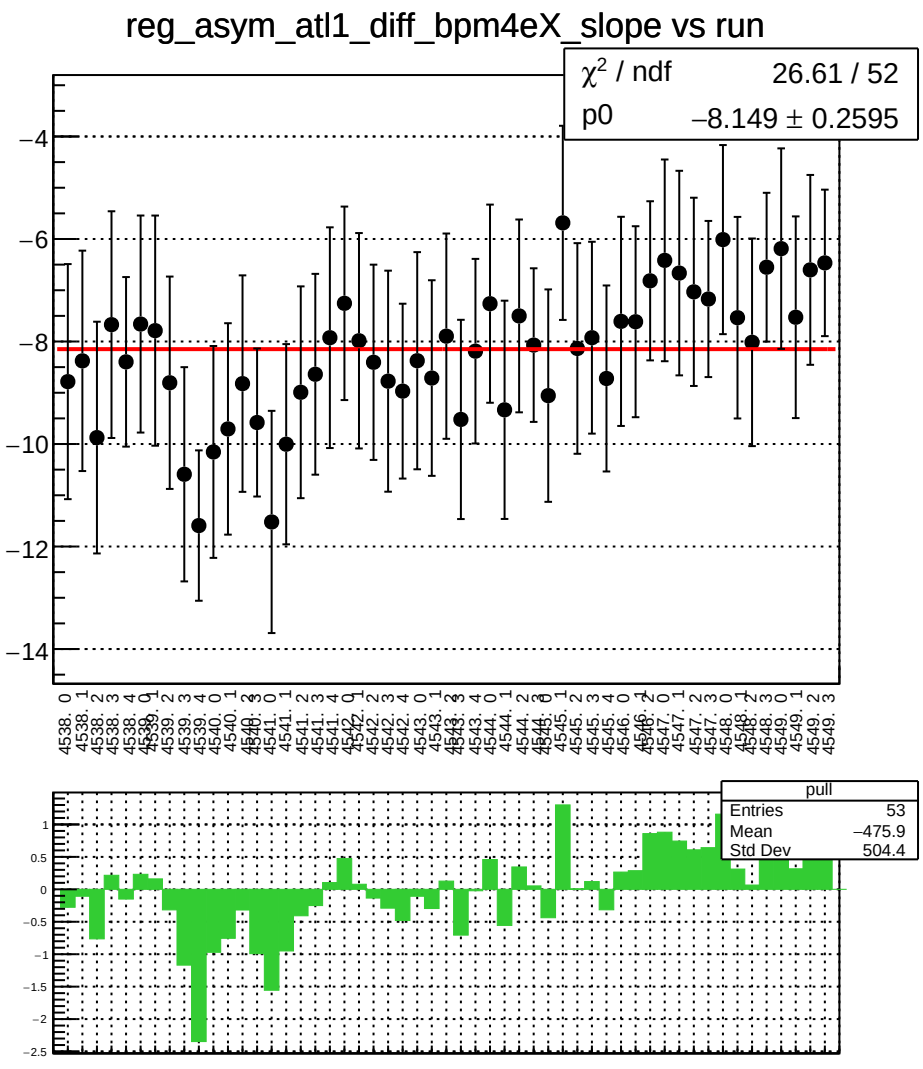

pull1D
Entries 53
Mean −0.05734
Std Dev 0.9102

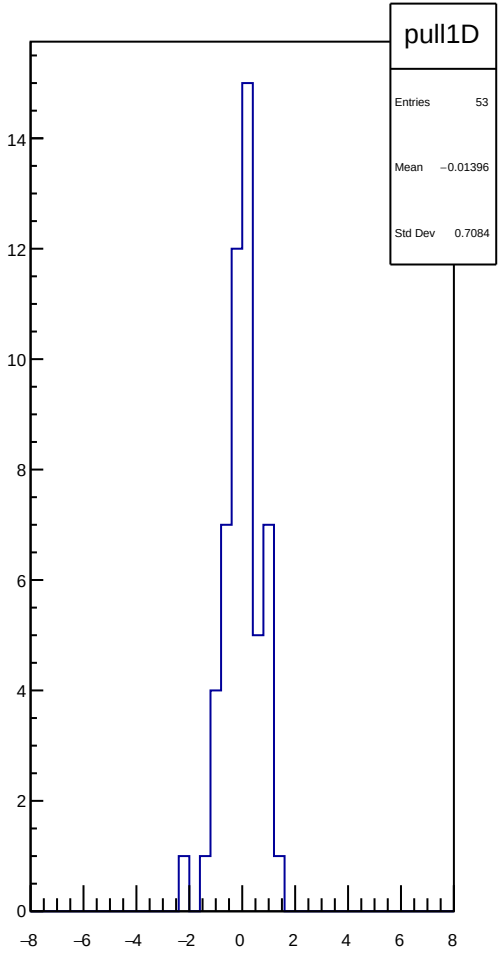

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 8.872 / 52
p0 −10.1 ± 1.582
pull
Entries 53
Mean 1386
Std Dev 1366

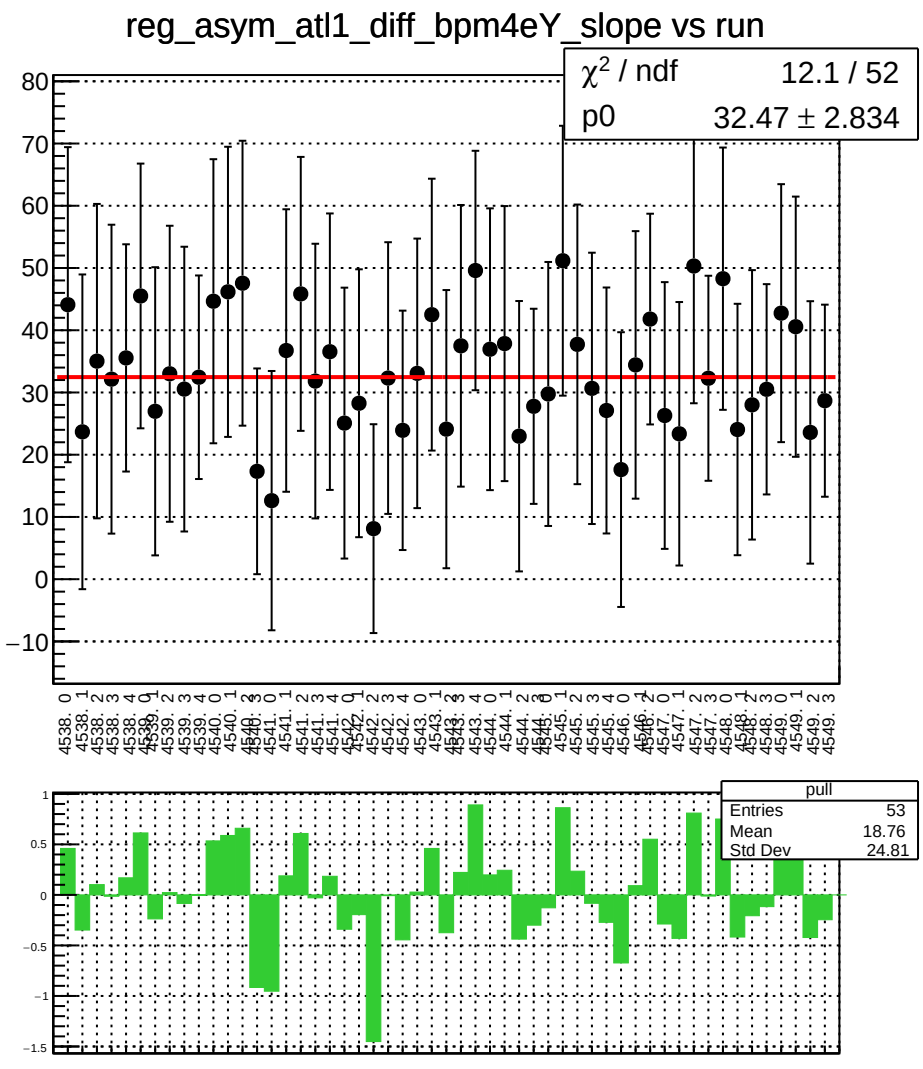

pull1D
Entries 53
Mean −0.0002878
Std Dev 0.4091

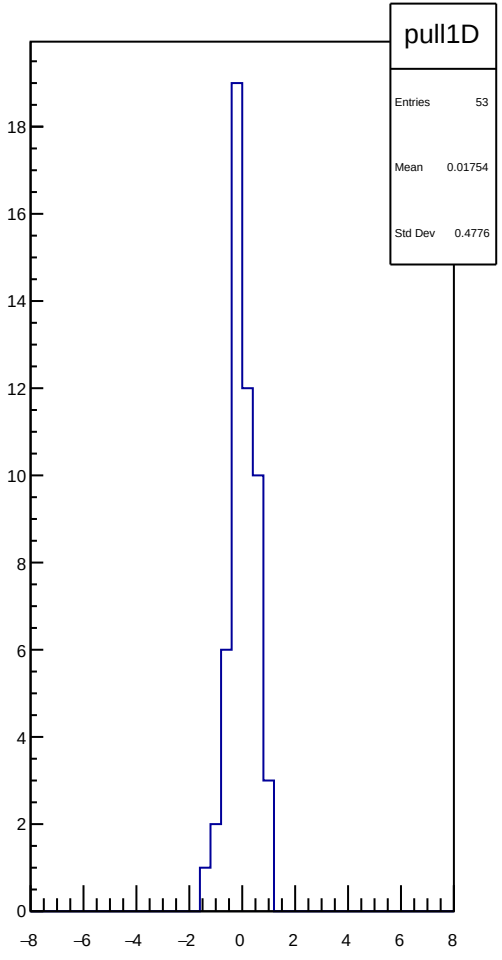

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 11.66 / 52
p0 30.34 ± 2.105
pull
Entries 53
Mean 17.77
Std Dev 21.98

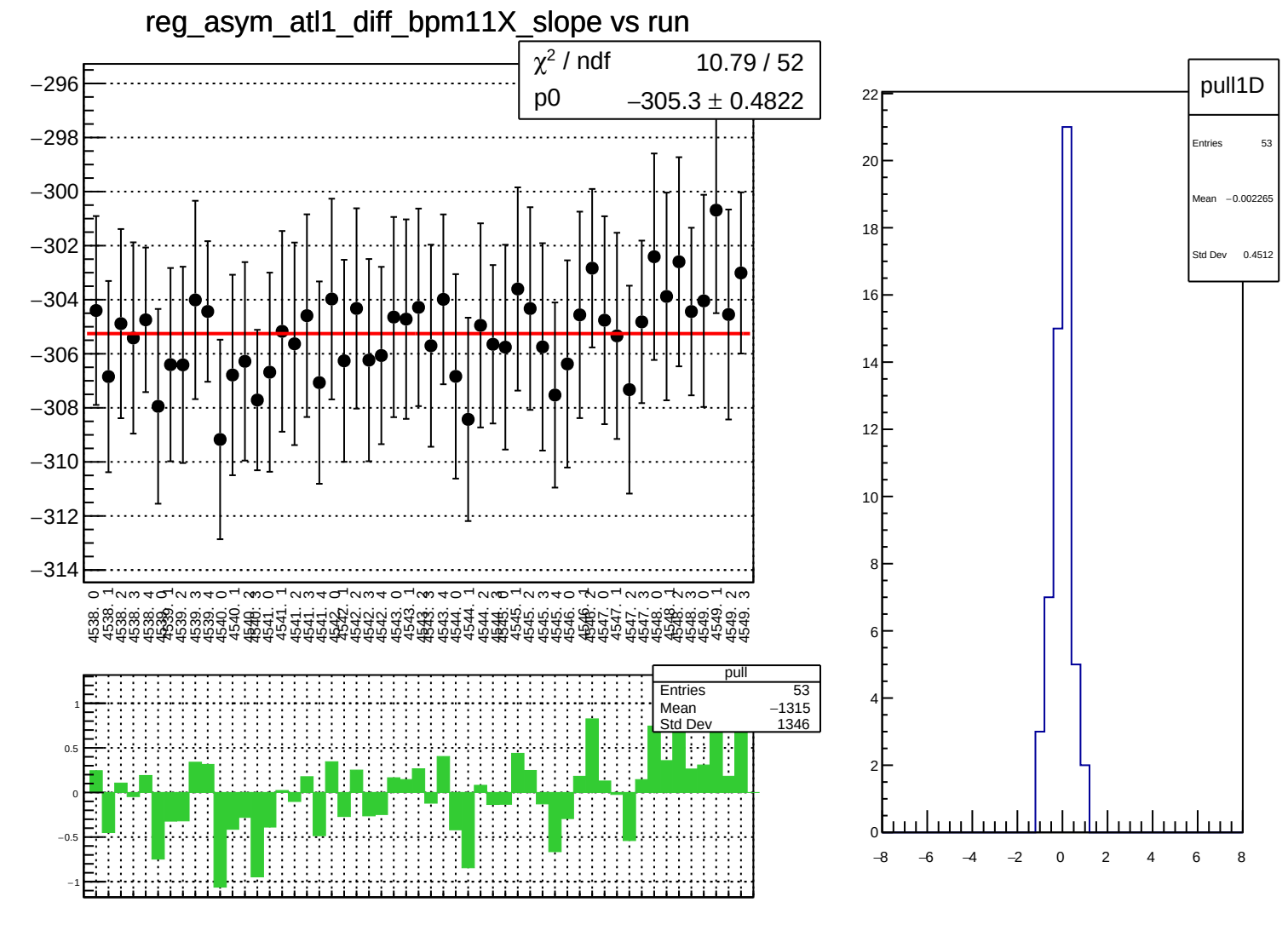

pull1D
Entries 53
Mean −0.0172
Std Dev 0.4688

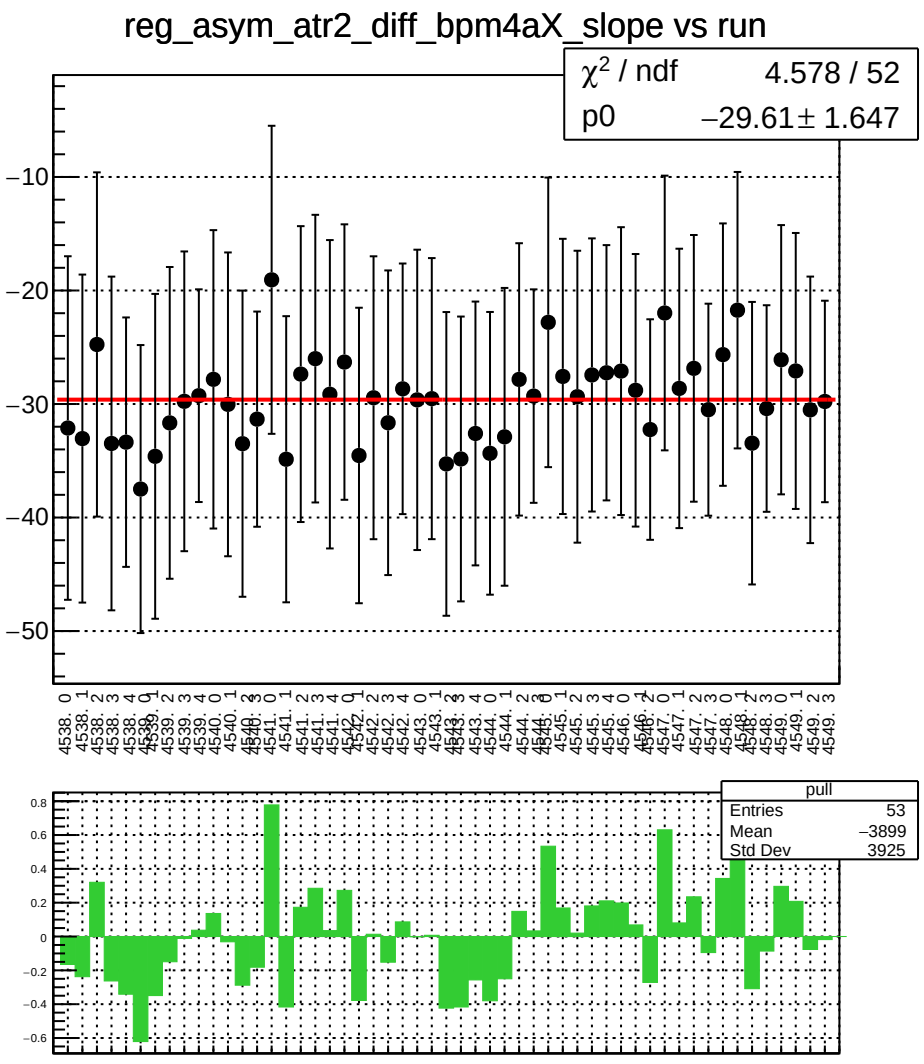

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 26.61 / 52
p0 −8.149 ± 0.2595
pull
Entries 53
Mean −475.9
Std Dev 504.4

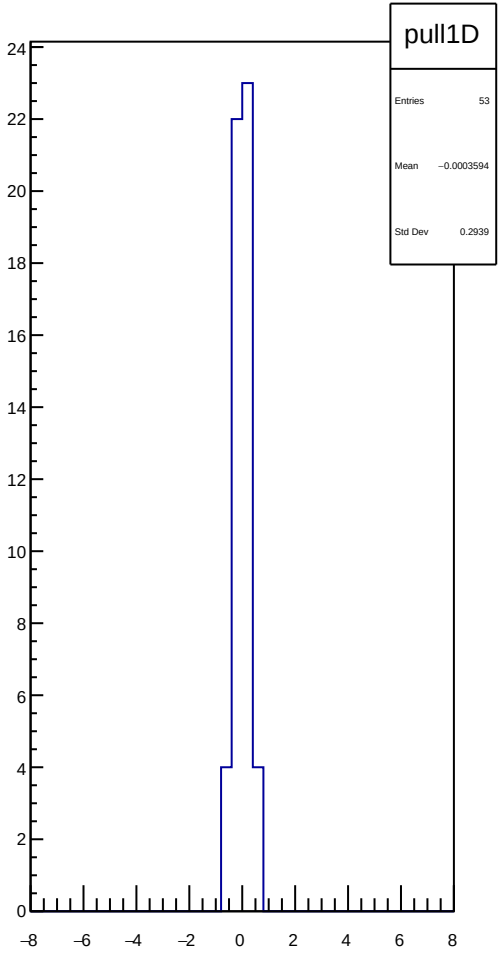

pull1D
Entries 53
Mean −0.01396
Std Dev 0.7084

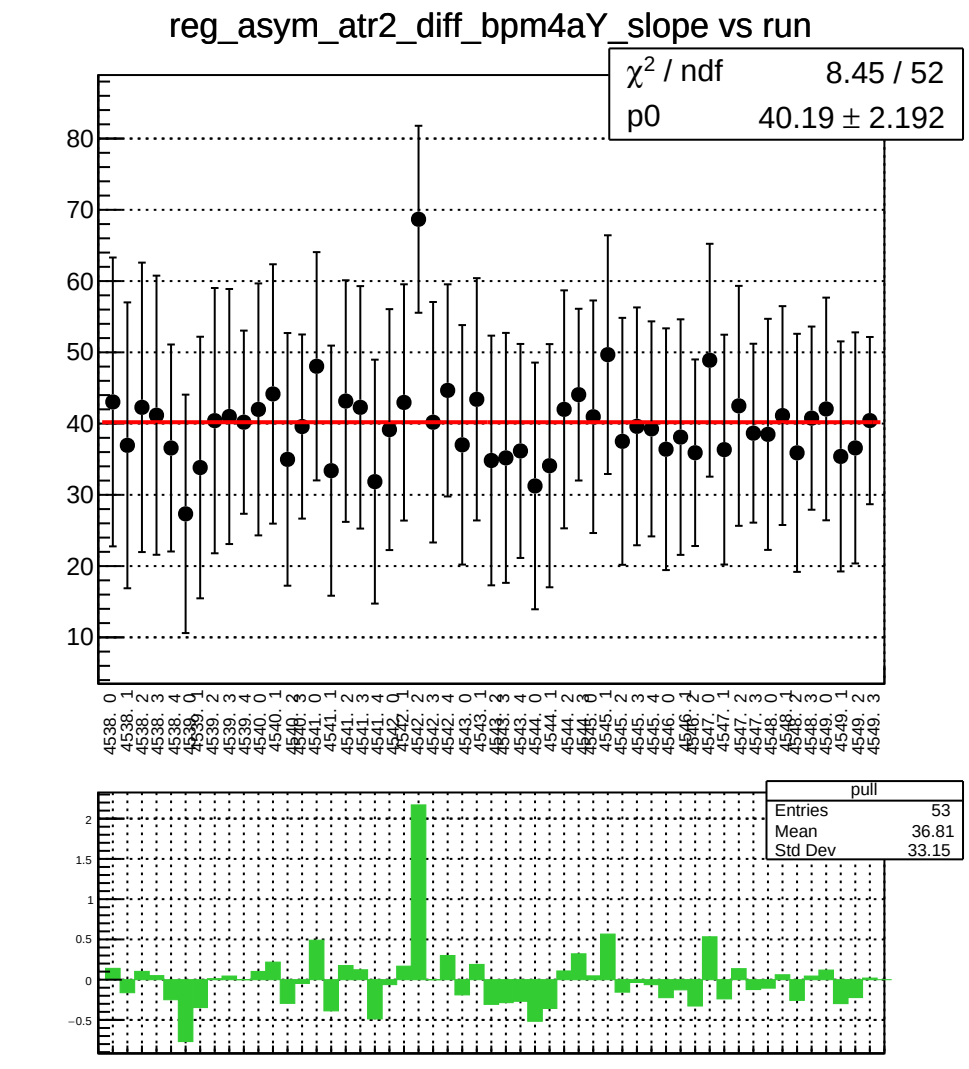

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 12.1 / 52
p0 32.47 ± 2.834
pull
Entries 53
Mean 18.76
Std Dev 24.81

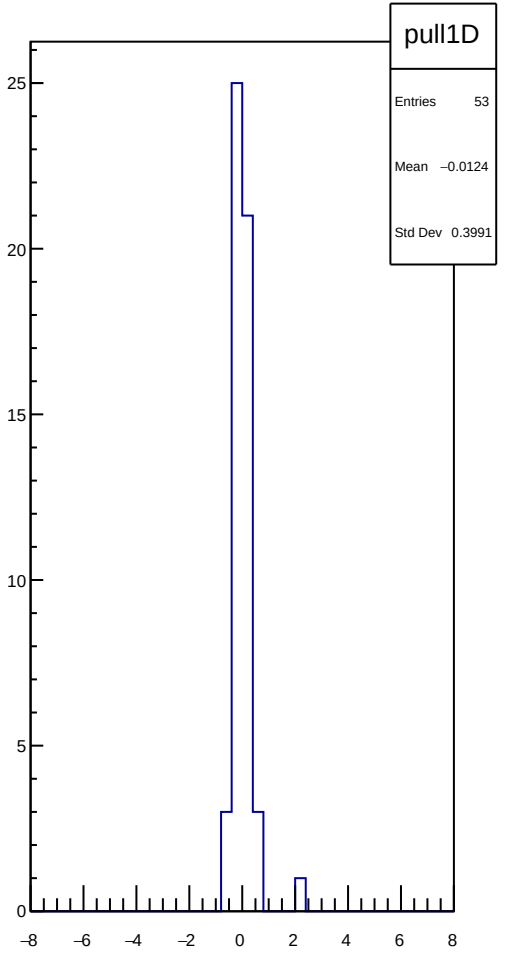

pull1D
Entries 53
Mean 0.01754
Std Dev 0.4776

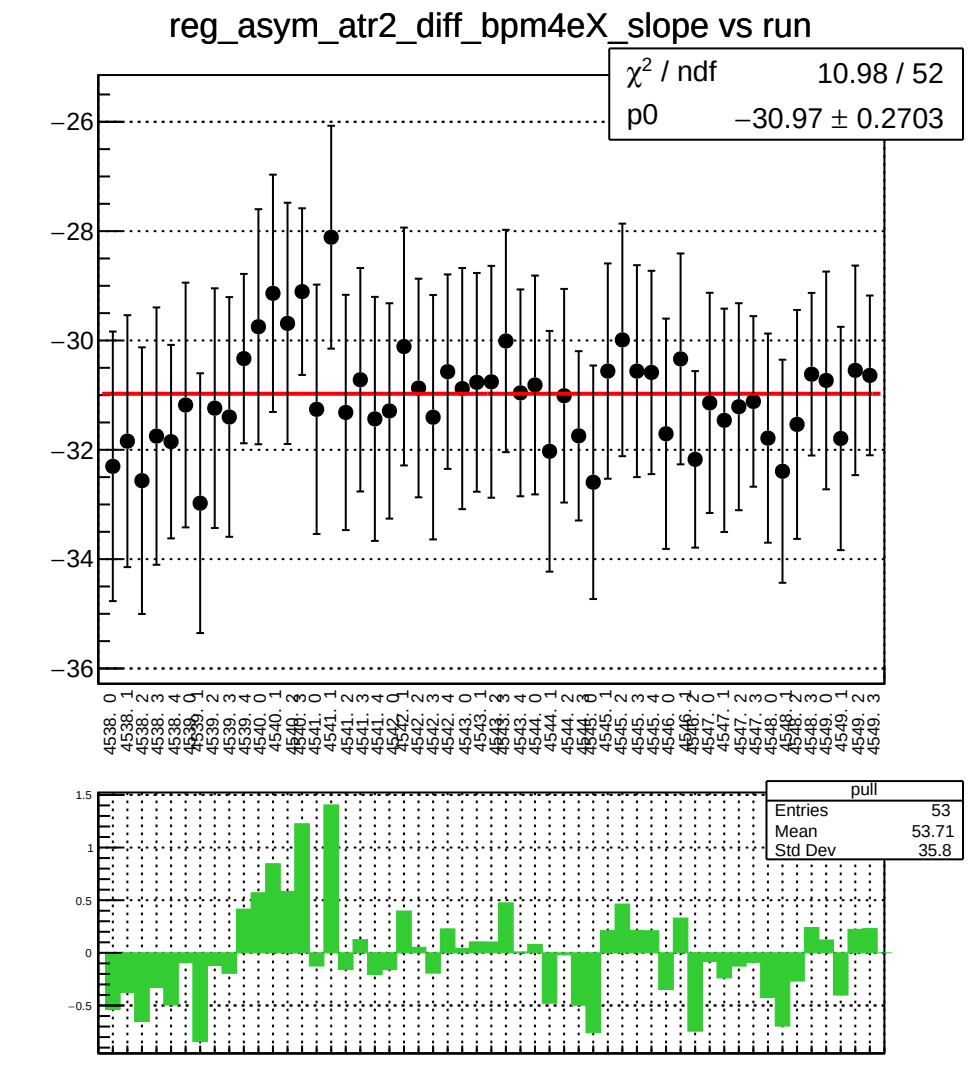

reg_asym_atl1_diff_bpm11X_slope vs run
χ² / ndf 10.79 / 52
p0 −305.3 ± 0.4822
pull
Entries 53
Mean −1315
Std Dev 1346
pull1D
Entries 53
Mean −0.002265
Std Dev 0.4512

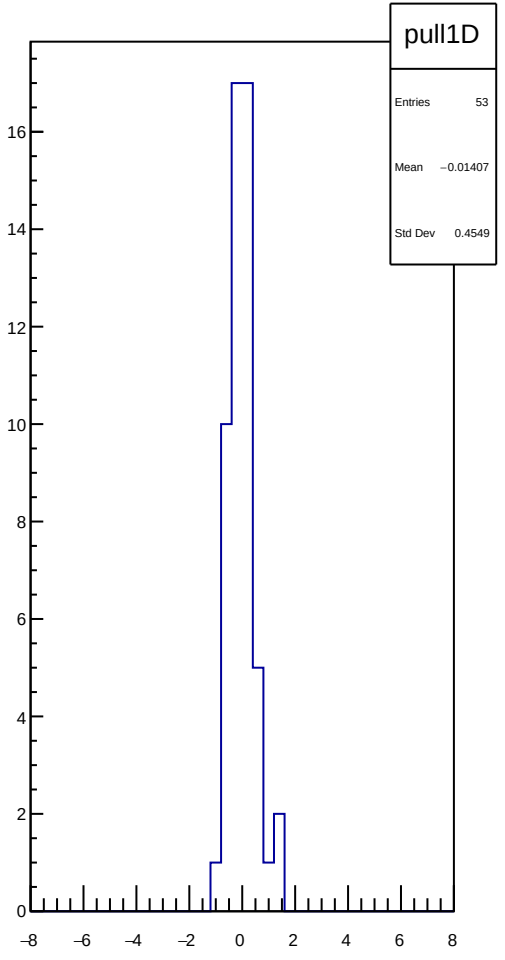

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 4.578 / 52
p0 −29.61± 1.647
pull
Entries 53
Mean −3899
Std Dev 3925

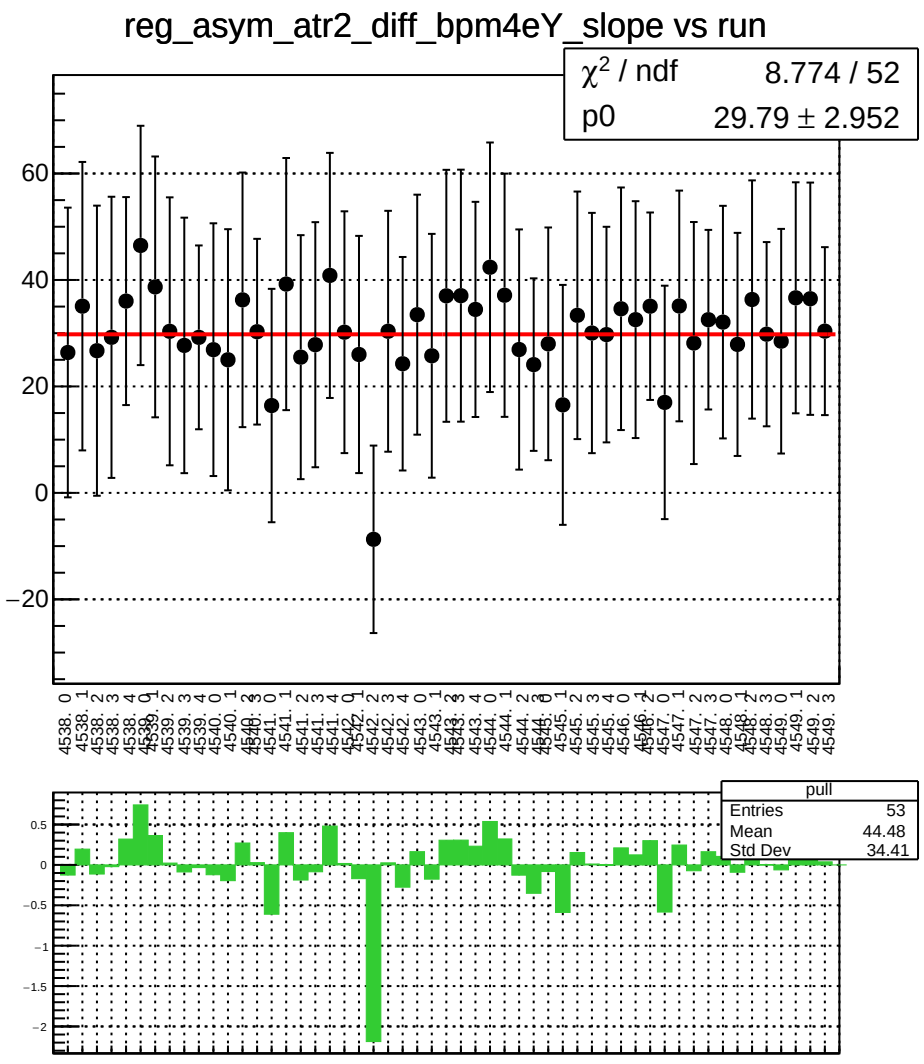

pull1D
Entries 53
Mean −0.0003594
Std Dev 0.2939

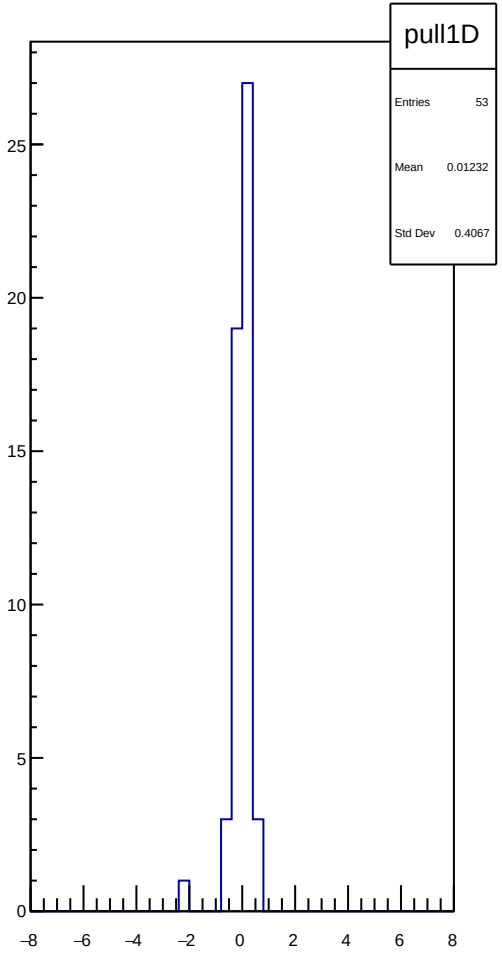

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 8.45 / 52
p0 40.19 ± 2.192
pull
Entries 53
Mean 36.81
Std Dev 33.15

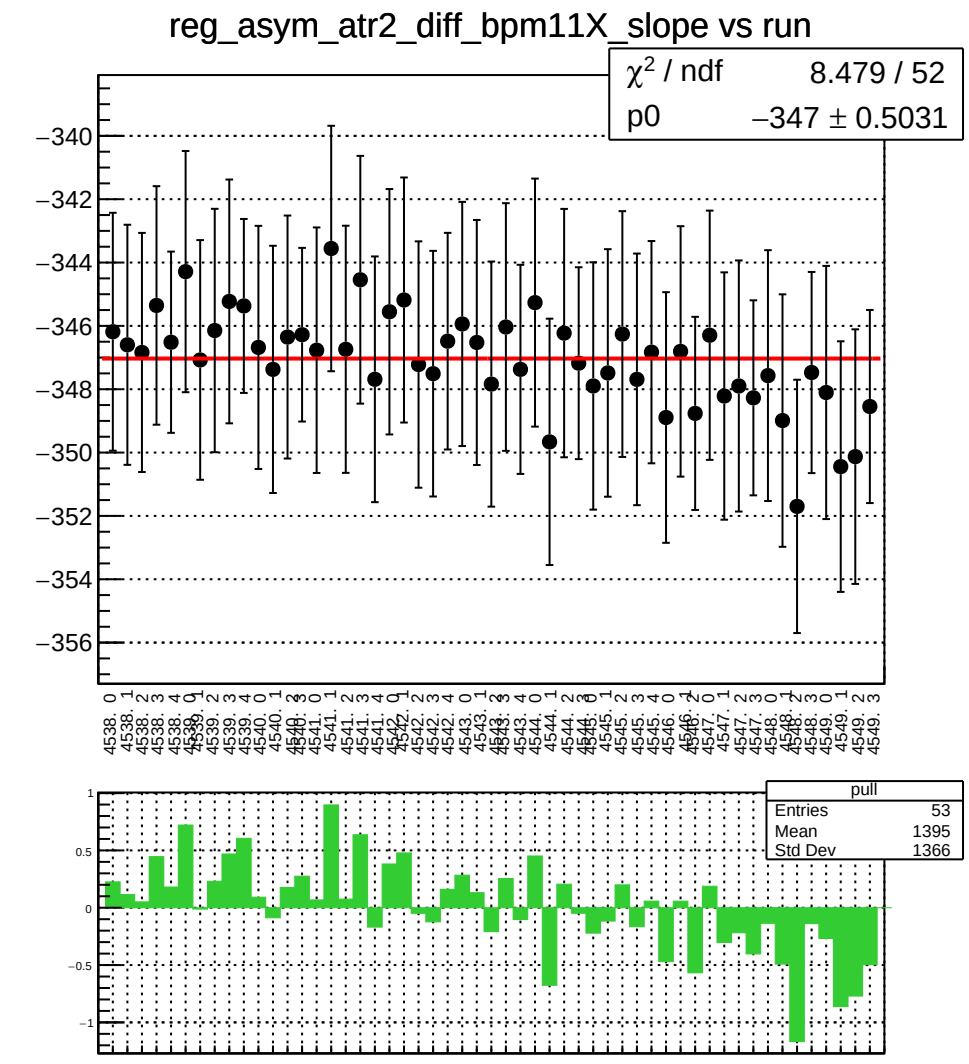

pull1D
Entries 53
Mean −0.0124
Std Dev 0.3991

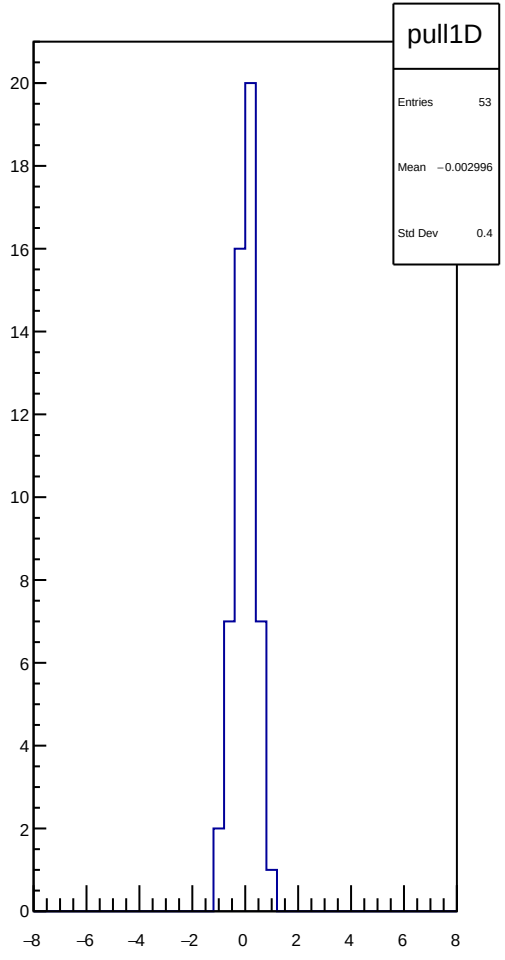

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 10.98 / 52
p0 −30.97 ± 0.2703
pull
Entries 53
Mean 53.71
Std Dev 35.8

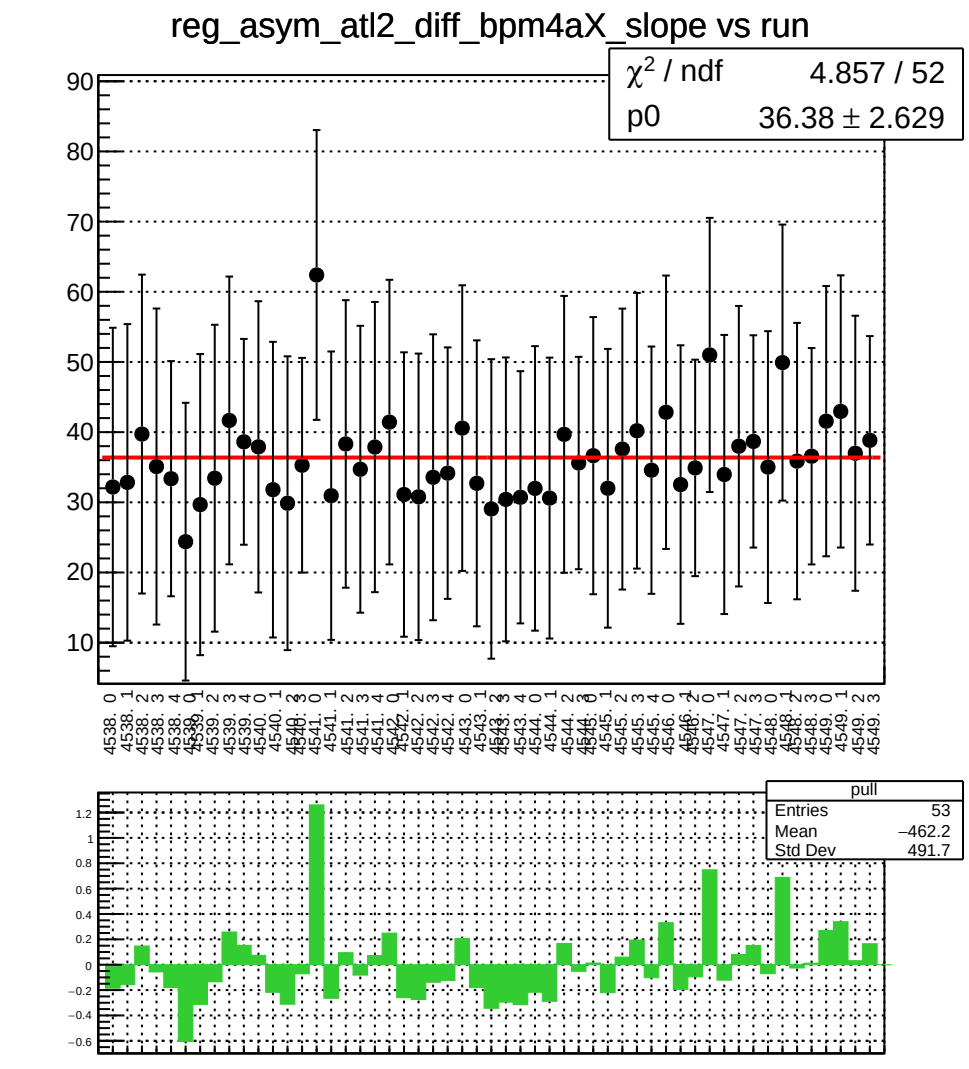

pull1D
Entries 53
Mean −0.01407
Std Dev 0.4549

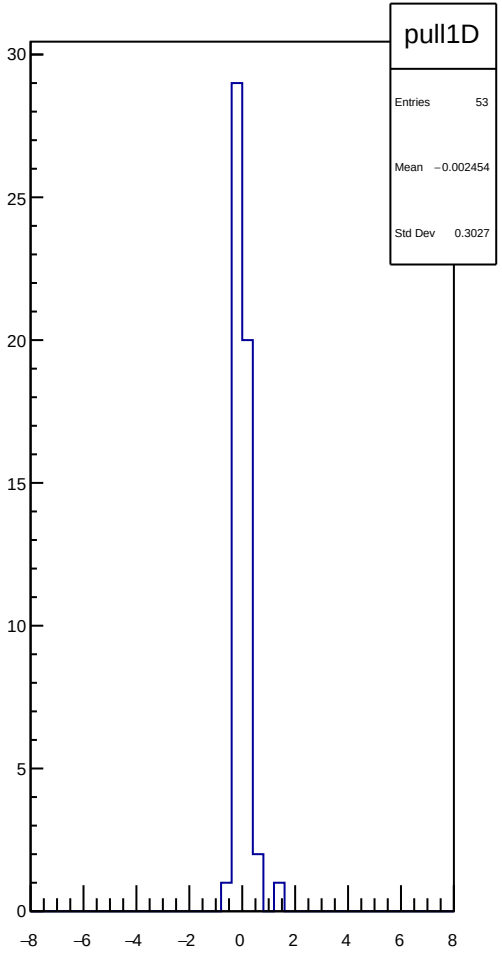

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 8.774 / 52
p0 29.79 ± 2.952
pull
Entries 53
Mean 44.48
Std Dev 34.41

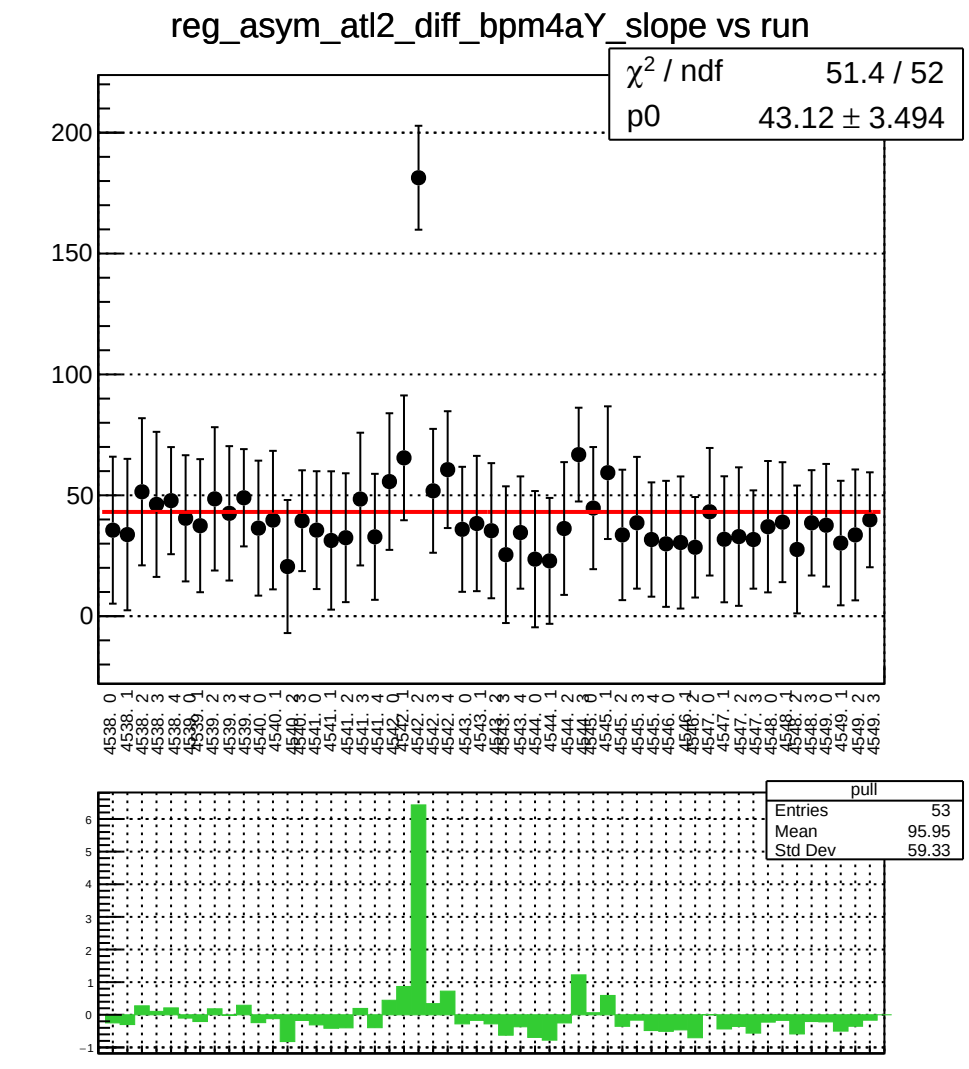

pull1D
Entries 53
Mean 0.01232
Std Dev 0.4067

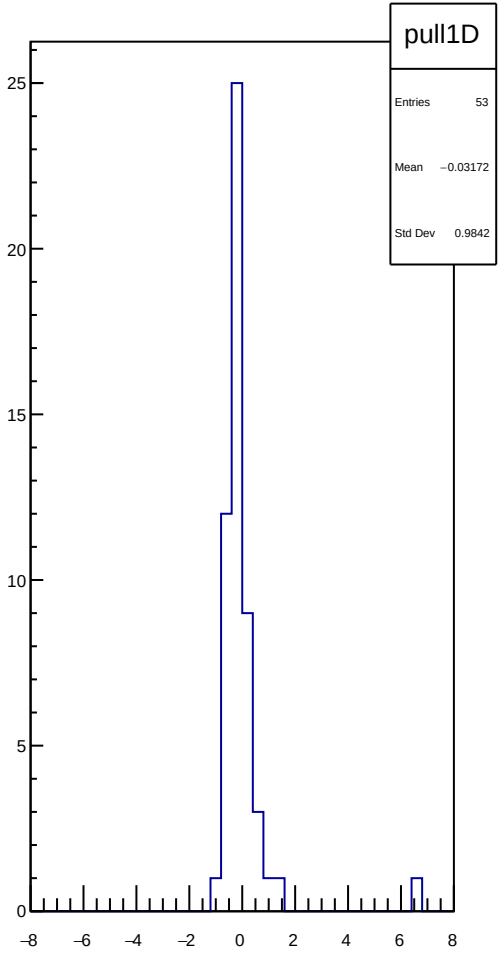

reg_asym_atr2_diff_bpm11X_slope vs run
χ² / ndf 8.479 / 52
p0 −347 ± 0.5031
pull
Entries 53
Mean 1395
Std Dev 1366

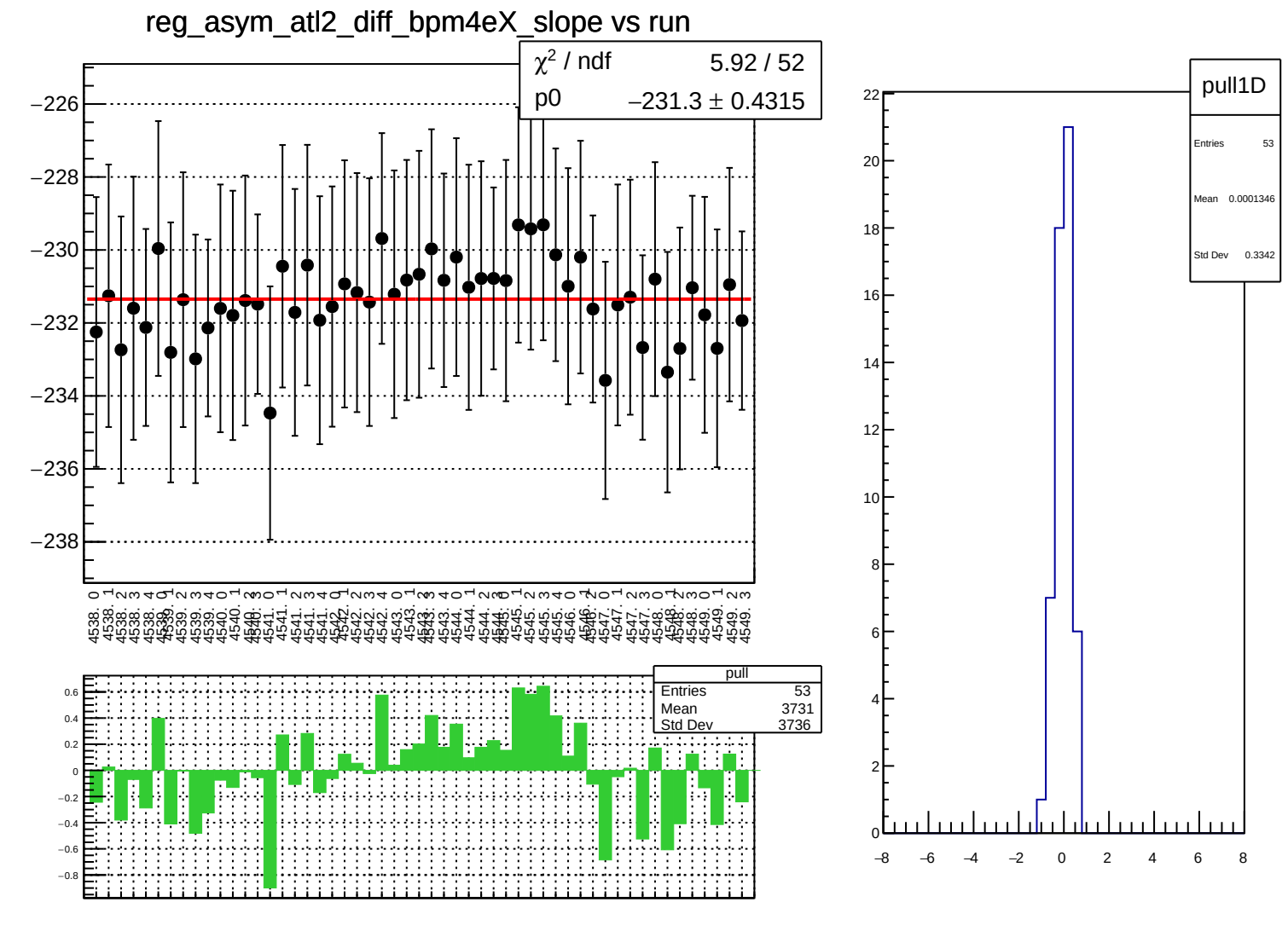

pull1D
Entries 53
Mean −0.002996
Std Dev 0.4

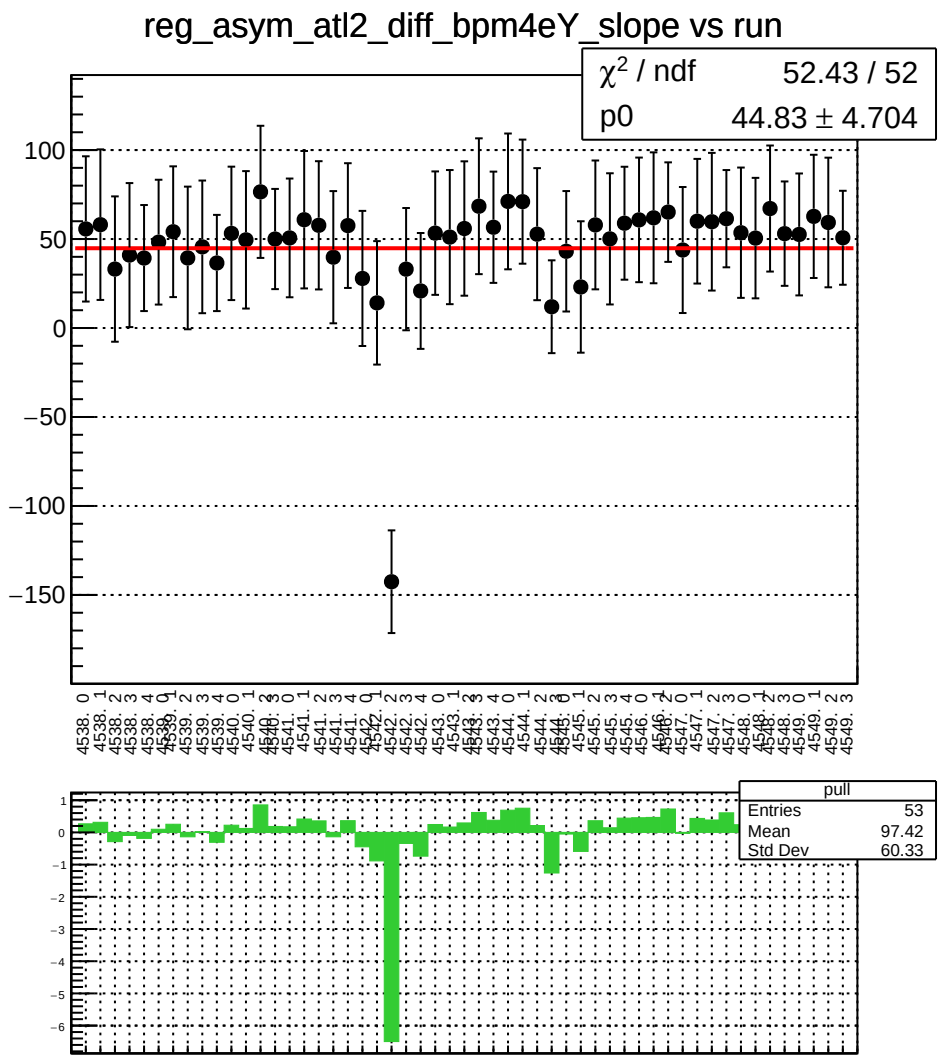

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 4.857 / 52
p0 36.38 ± 2.629
pull
Entries 53
Mean −462.2
Std Dev 491.7

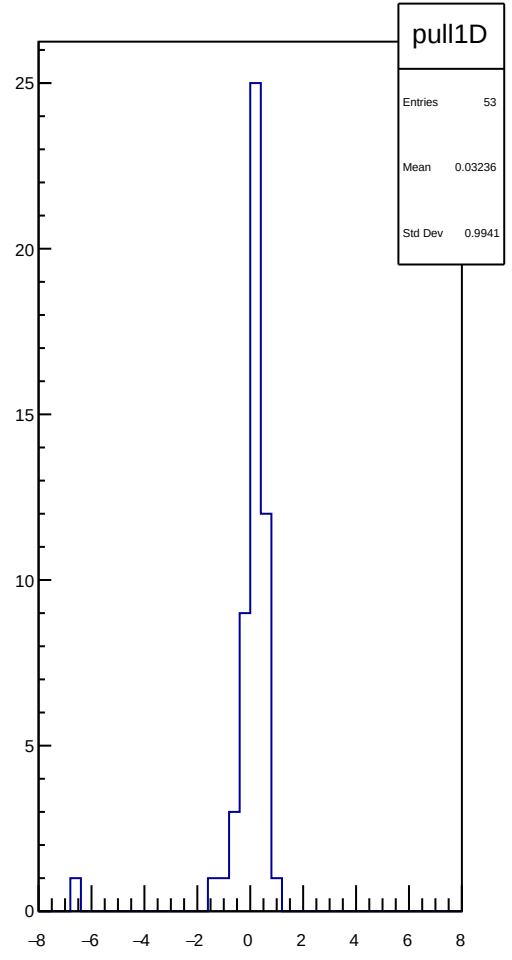

pull1D
Entries 53
Mean −0.002454
Std Dev 0.3027

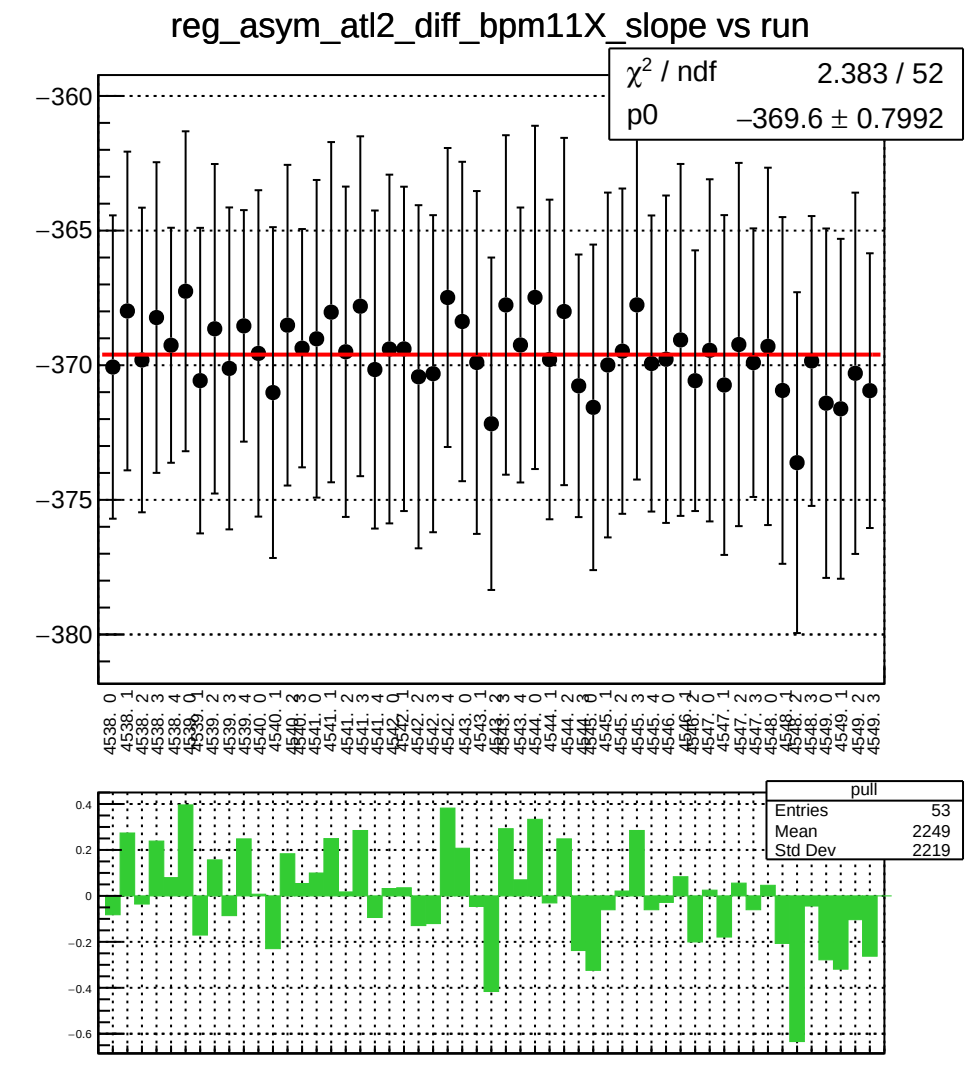

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 51.4 / 52
p0 43.12 ± 3.494
200
150
100
50
0
pull
Entries 53
Mean 95.95
Std Dev 59.33
6
5
4
3
2
1
0
−1

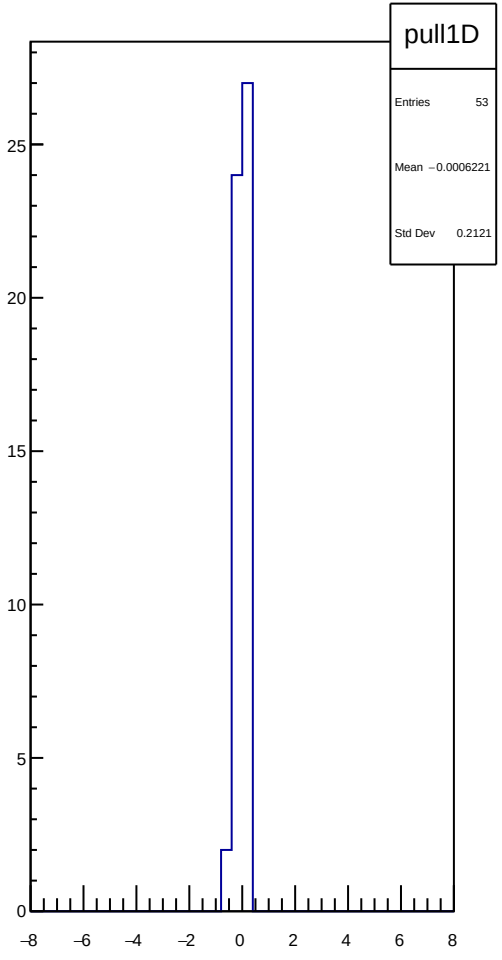

pull1D
Entries 53
Mean −0.03172
Std Dev 0.9842
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

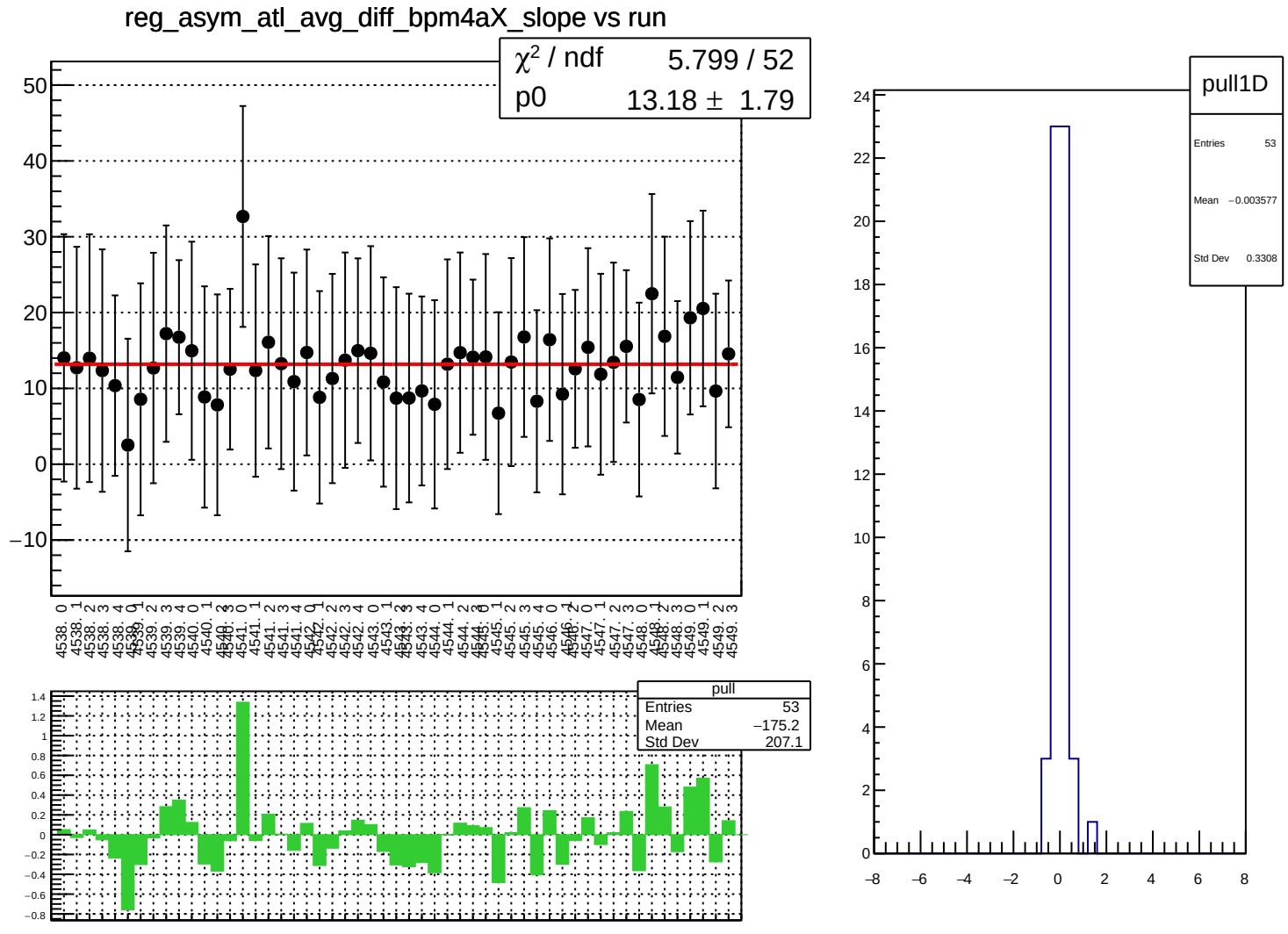

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 5.92 / 52
p0 −231.3 ± 0.4315
pull
Entries 53
Mean 3731
Std Dev 3736
pull1D
Entries 53
Mean 0.0001346
Std Dev 0.3342

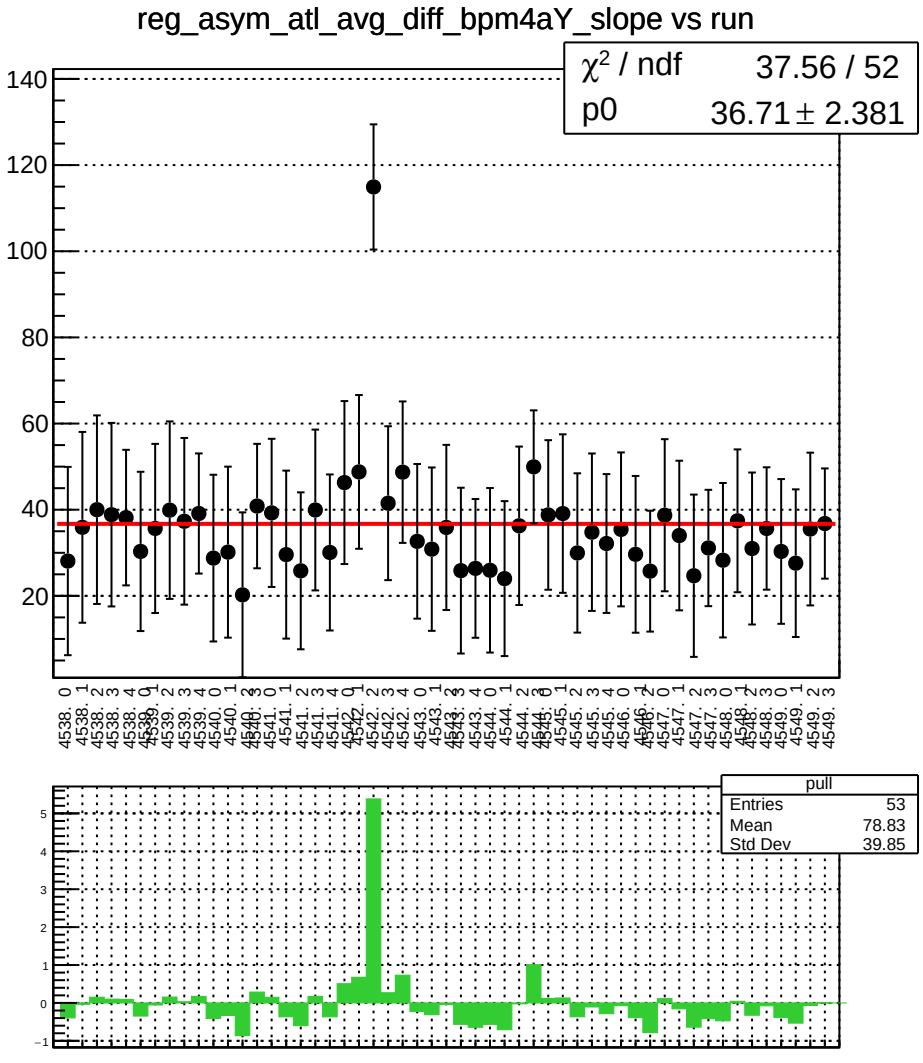

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 52.43 / 52
p0 44.83 ± 4.704
pull
Entries 53
Mean 97.42
Std Dev 60.33

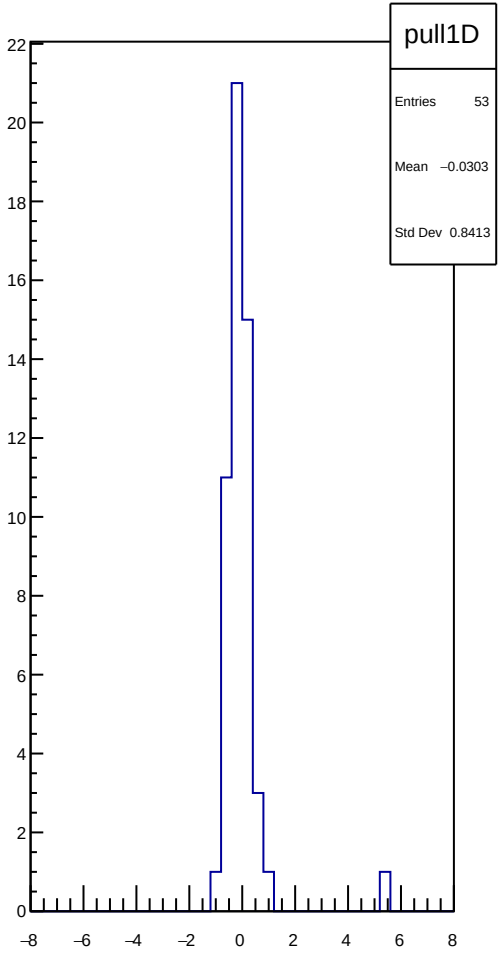

pull1D
Entries 53
Mean 0.03236
Std Dev 0.9941

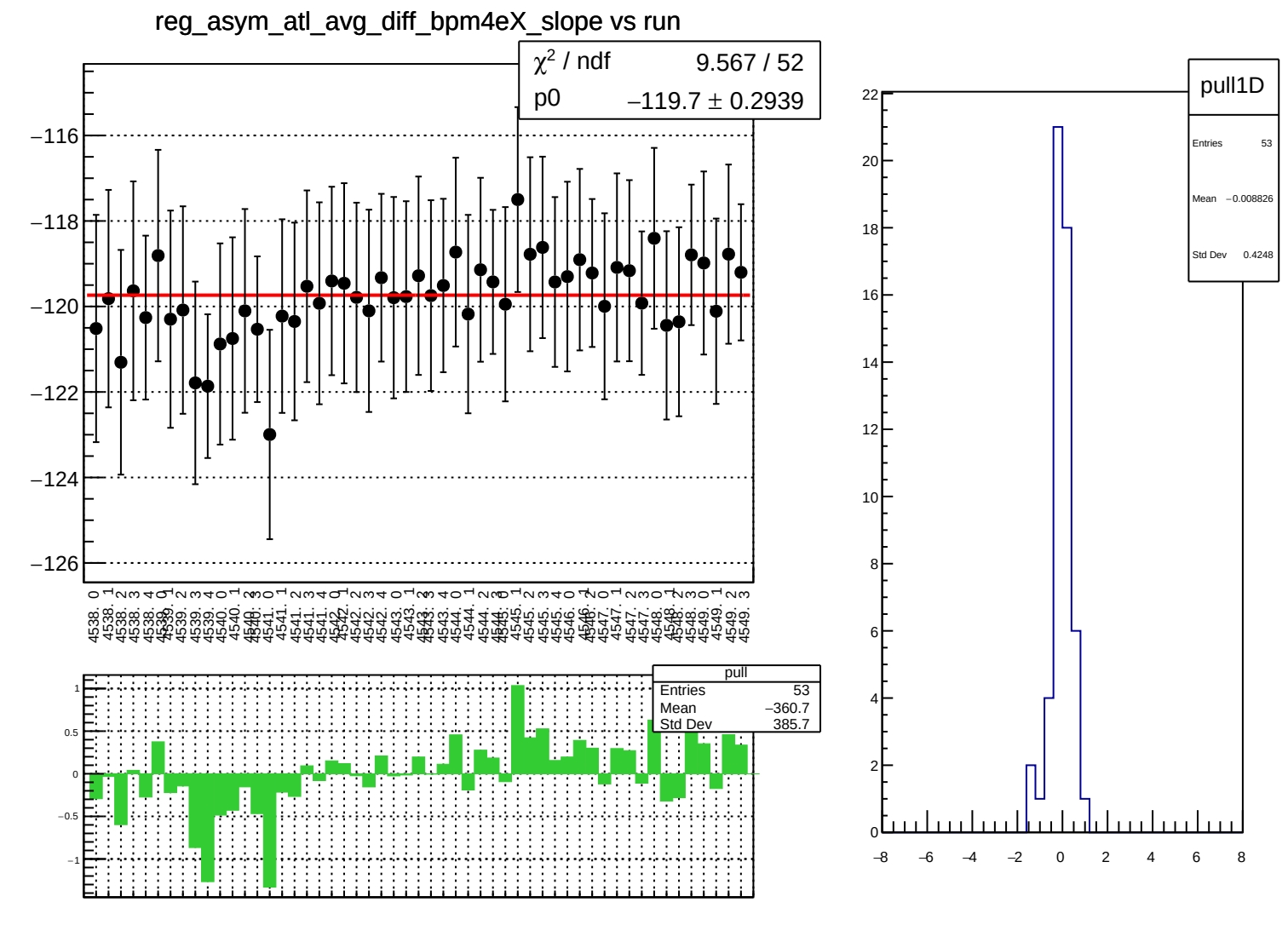

reg_asym_atl2_diff_bpm11X_slope vs run
χ² / ndf 2.383 / 52
p0 −369.6 ± 0.7992
−360
−365
−370
−375
−380
pull
Entries 53
Mean 2249
Std Dev 2219
0.4
0.2
0
−0.2
−0.4
−0.6

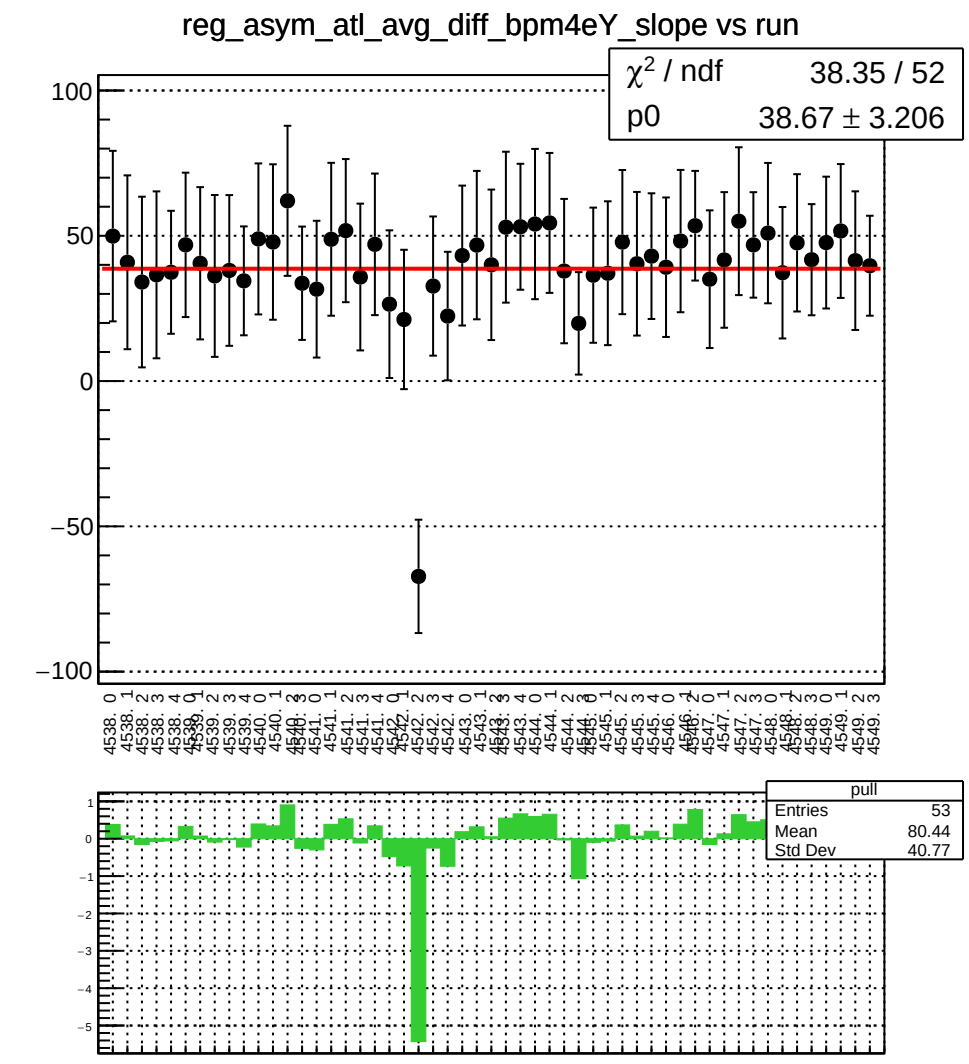

pull1D
Entries 53
Mean −0.0006221
Std Dev 0.2121
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

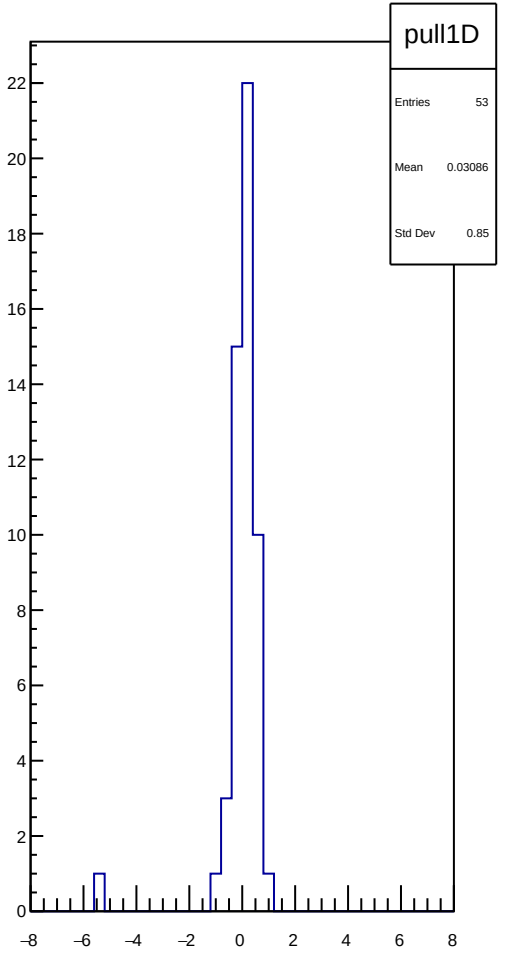

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.799 / 52
p0 13.18 ± 1.79
pull
Entries 53
Mean −175.2
Std Dev 207.1
pull1D
Entries 53
Mean −0.003577
Std Dev 0.3308

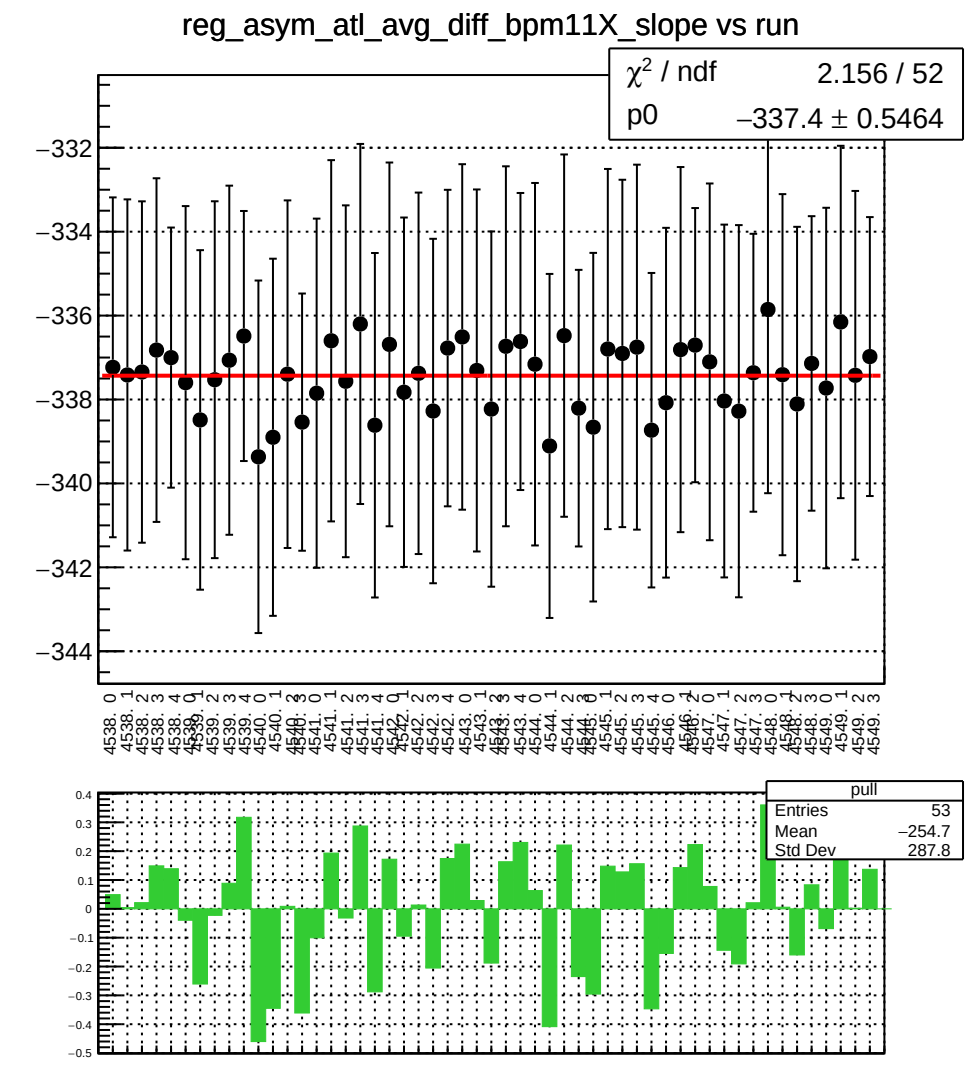

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.56 / 52
p0 36.71 ± 2.381
pull
Entries 53
Mean 78.83
Std Dev 39.85

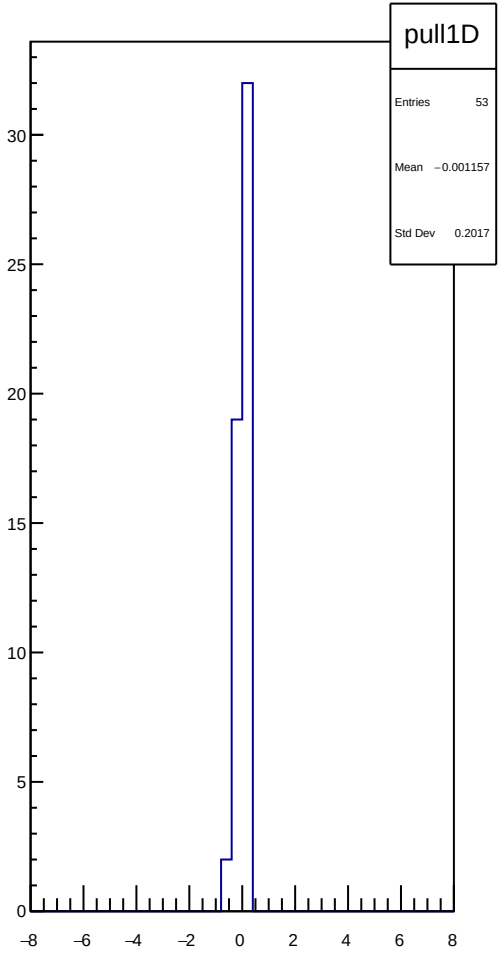

pull1D
Entries 53
Mean −0.0303
Std Dev 0.8413

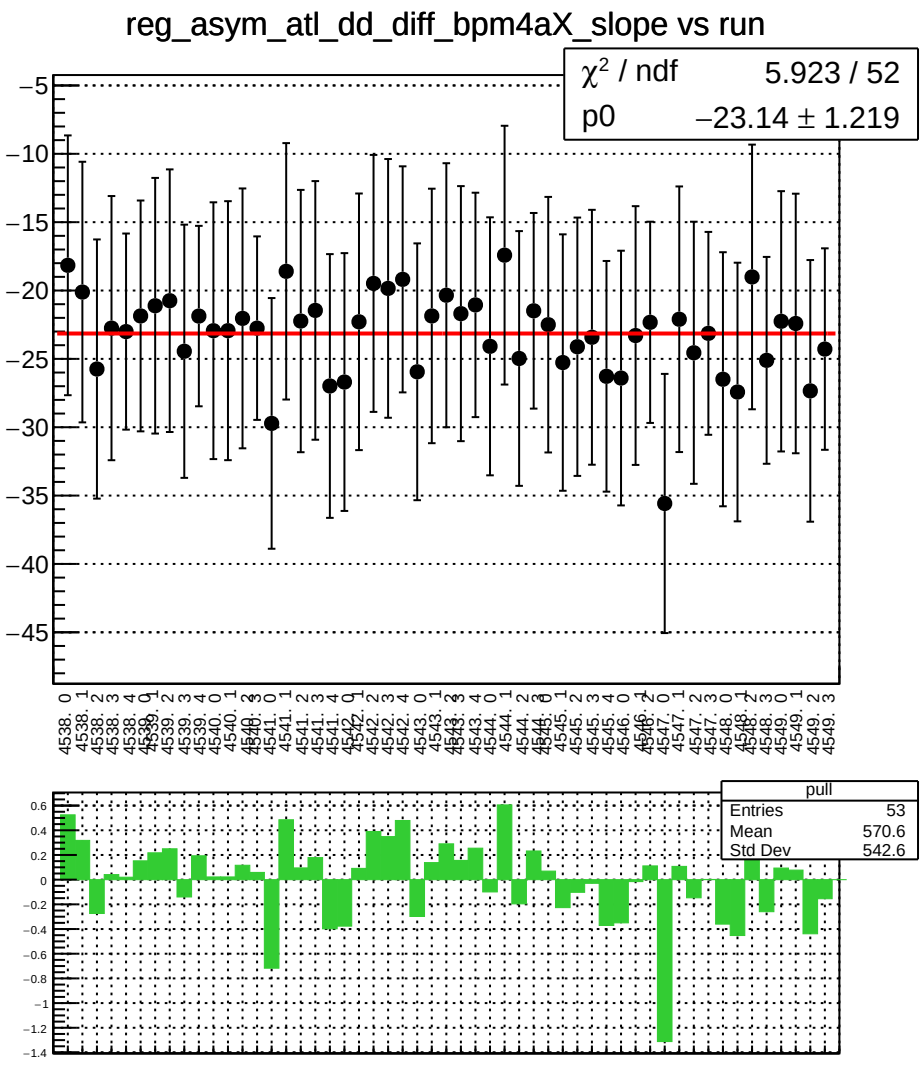

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.567 / 52
p0 −119.7 ± 0.2939
pull
Entries 53
Mean −360.7
Std Dev 385.7
pull1D
Entries 53
Mean −0.008826
Std Dev 0.4248

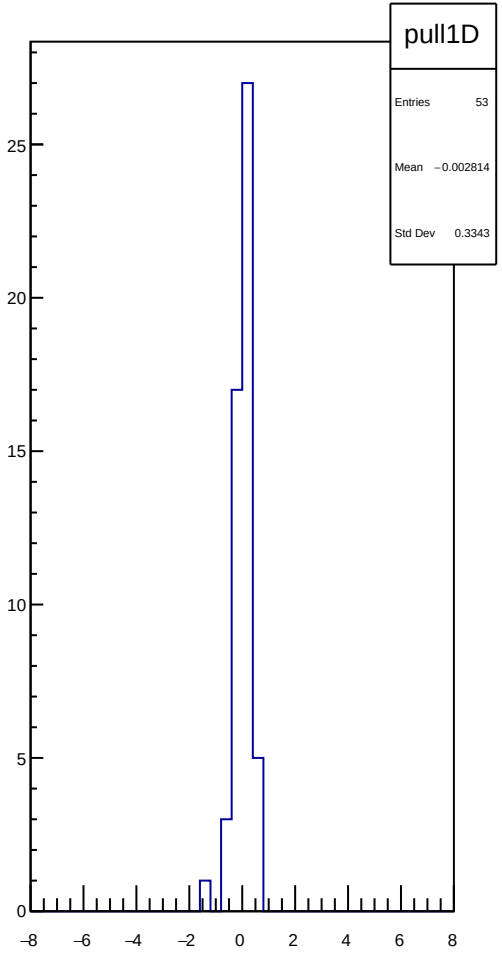

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.35 / 52
p0 38.67 ± 3.206
pull
Entries 53
Mean 80.44
Std Dev 40.77

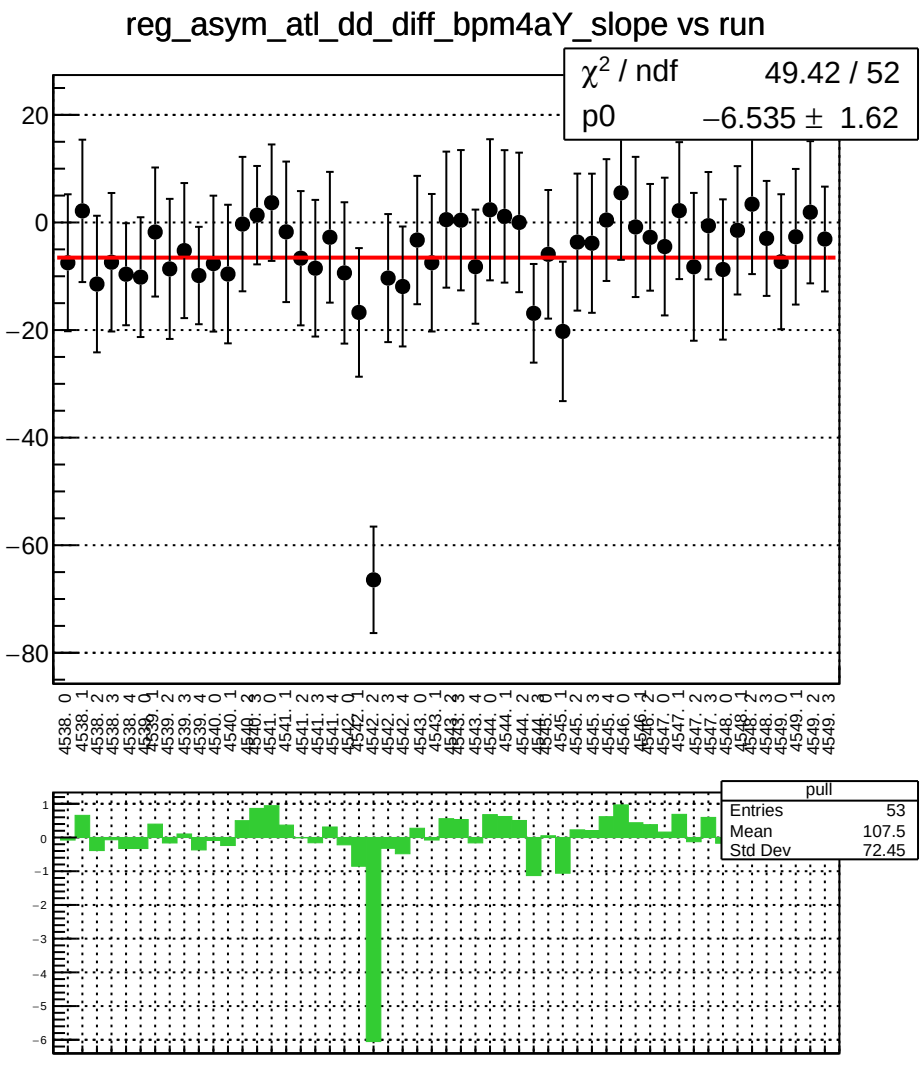

pull1D
Entries 53
Mean 0.03086
Std Dev 0.85

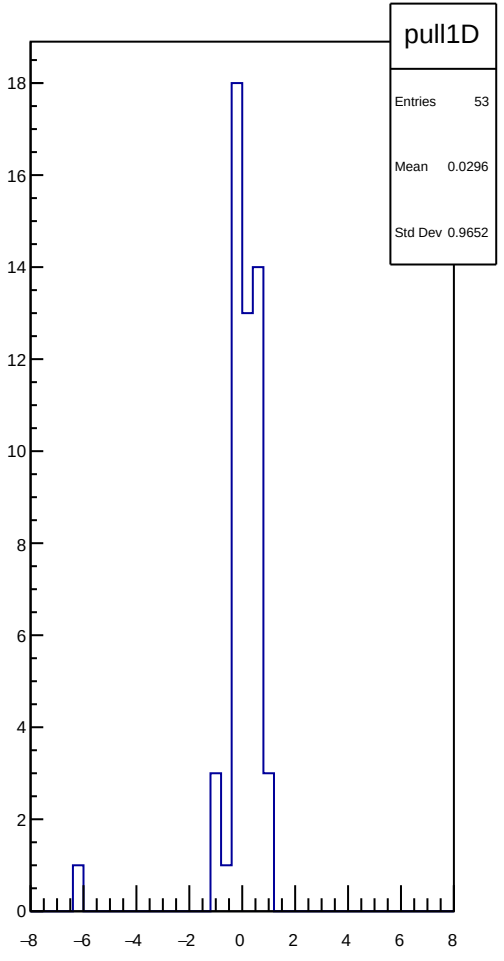

reg_asym_atl_avg_diff_bpm11X_slope vs run
χ² / ndf 2.156 / 52
p0 −337.4 ± 0.5464
pull
Entries 53
Mean −254.7
Std Dev 287.8

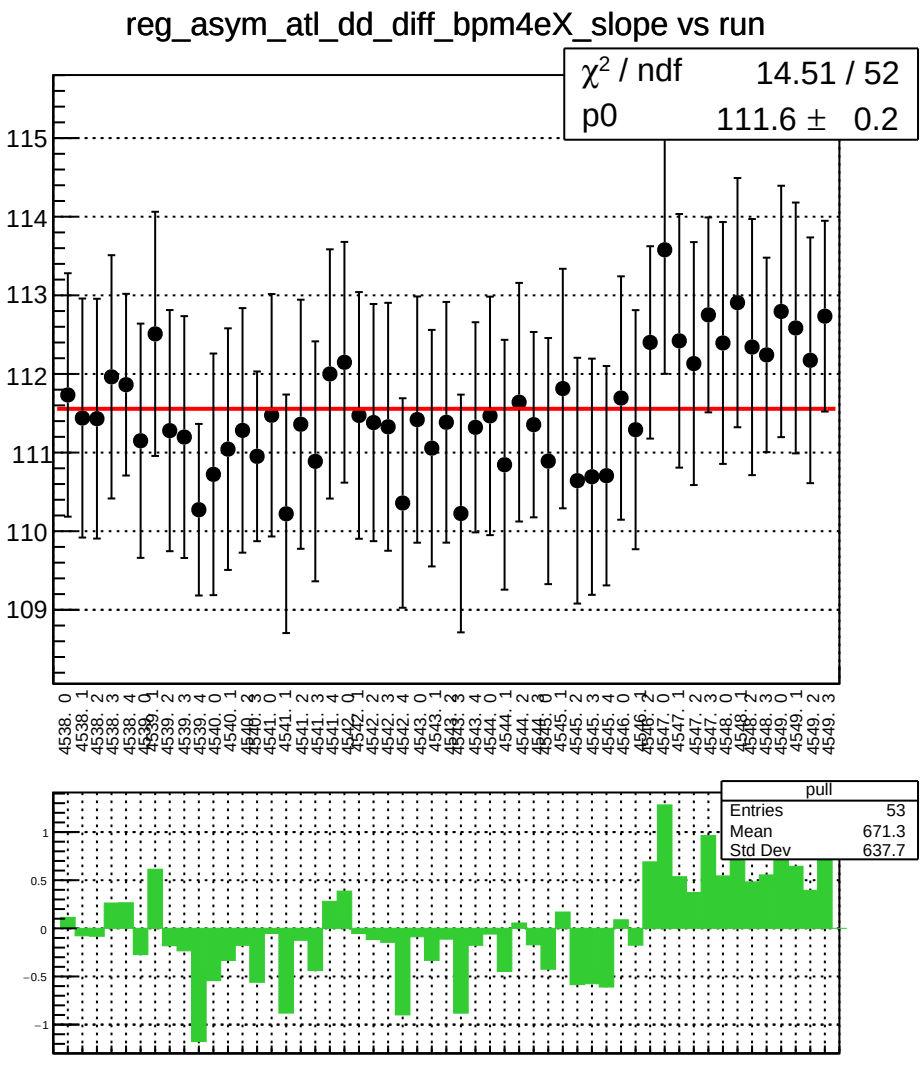

pull1D
Entries 53
Mean −0.001157
Std Dev 0.2017

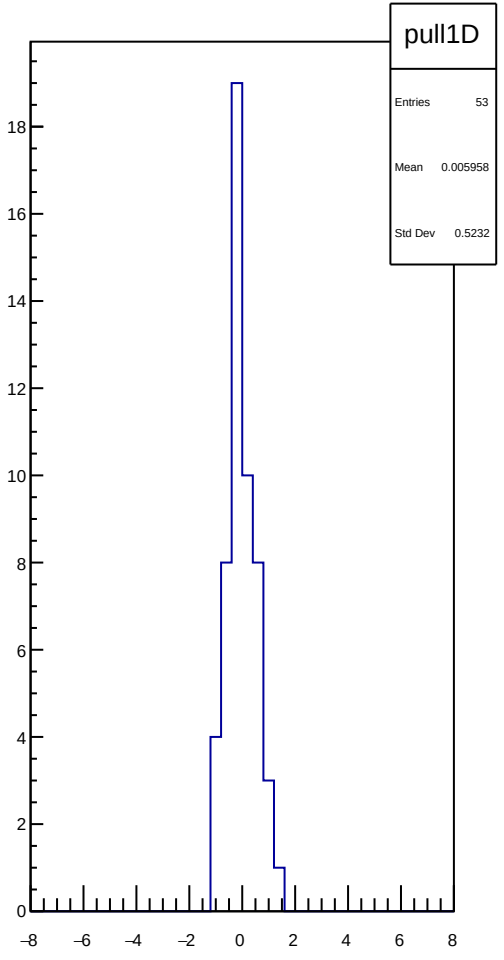

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 5.923 / 52
p0 −23.14 ± 1.219
pull
Entries 53
Mean 570.6
Std Dev 542.6

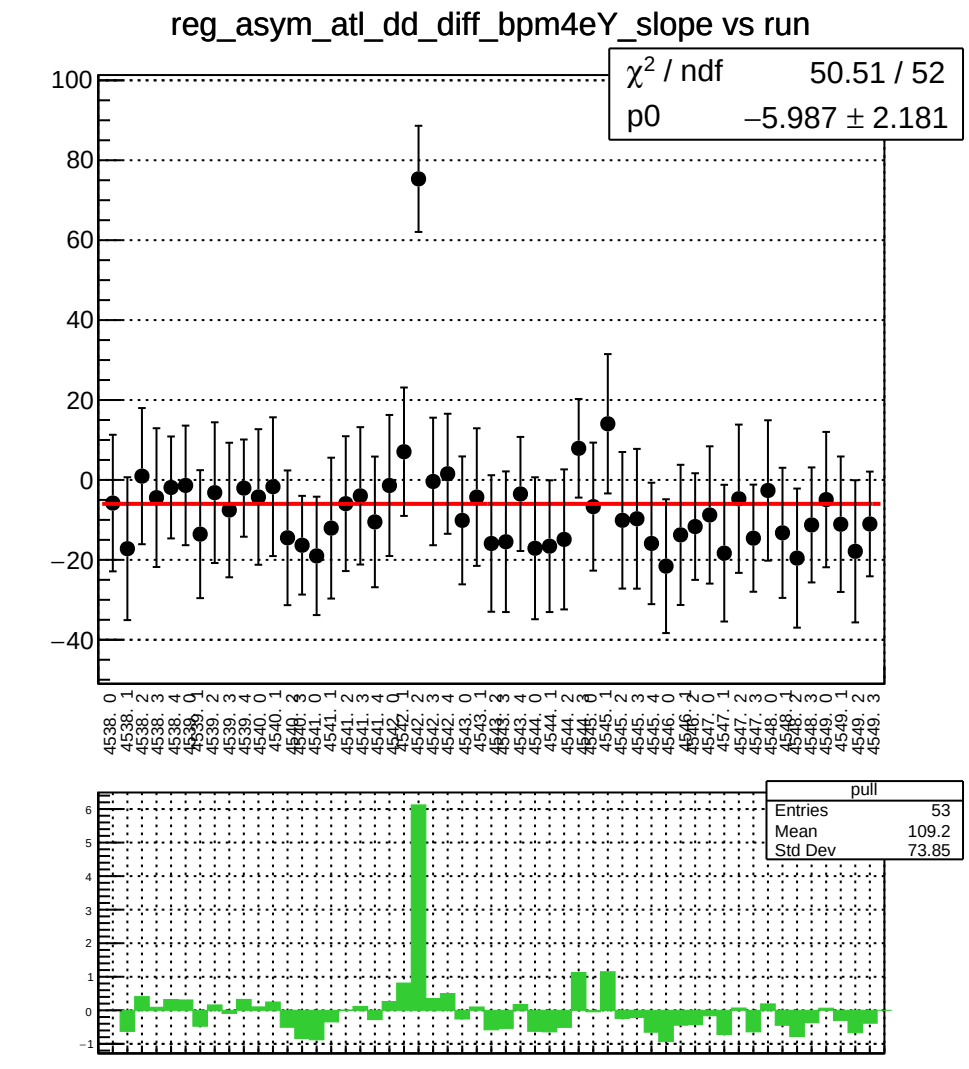

pull1D
Entries 53
Mean −0.002814
Std Dev 0.3343

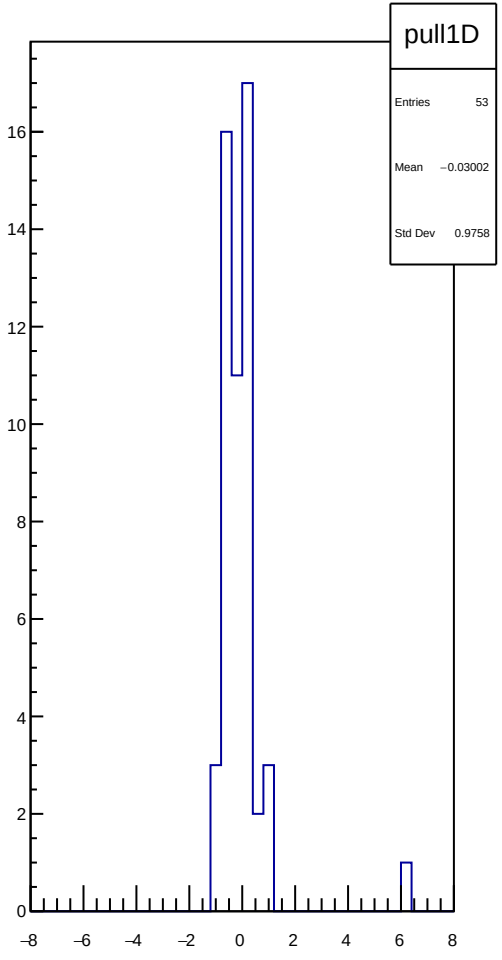

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.42 / 52
p0 −6.535 ± 1.62
pull
Entries 53
Mean 107.5
Std Dev 72.45

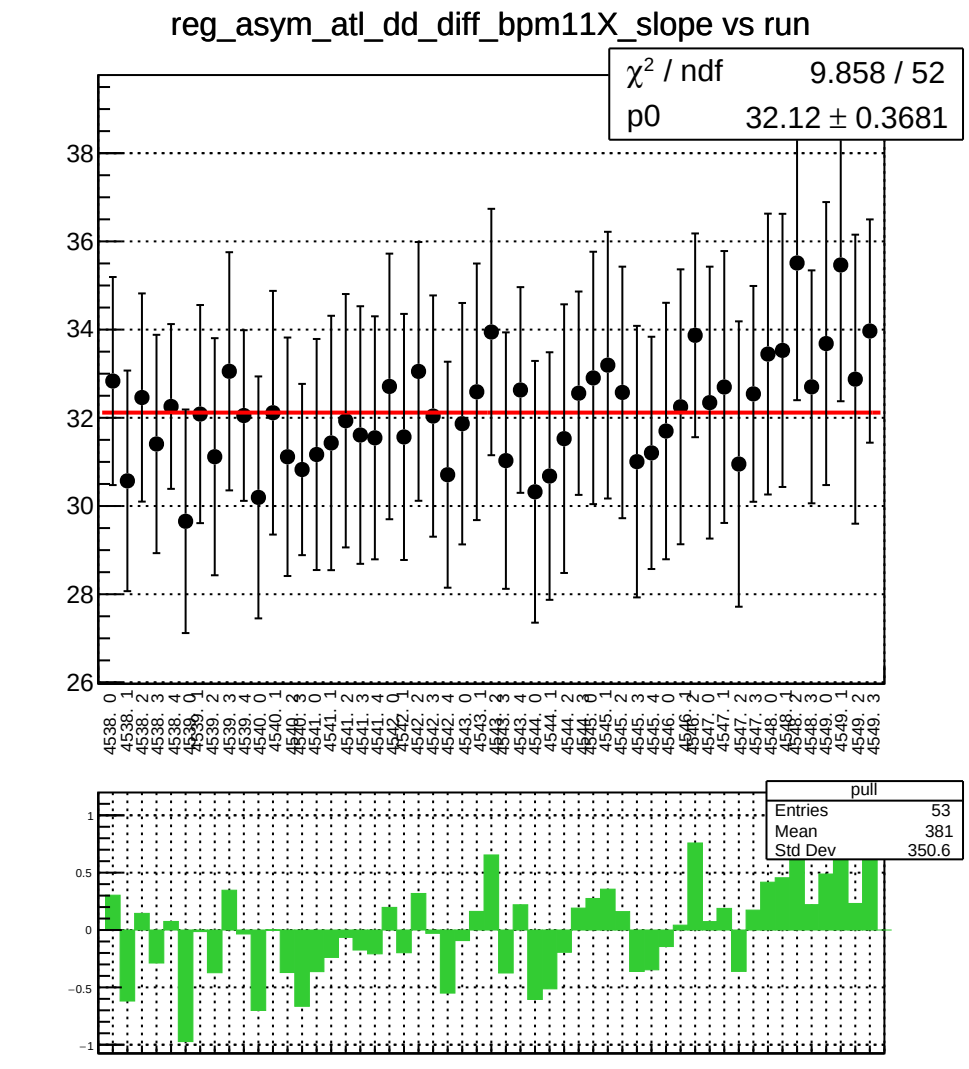

pull1D
Entries 53
Mean 0.0296
Std Dev 0.9652

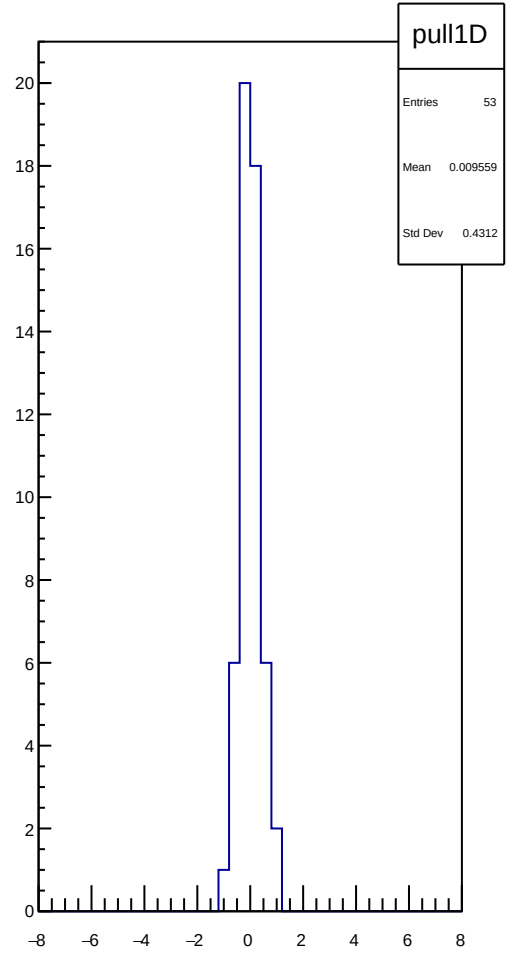

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.51 / 52
p0 111.6 ± 0.2
pull
Entries 53
Mean 671.3
Std Dev 637.7

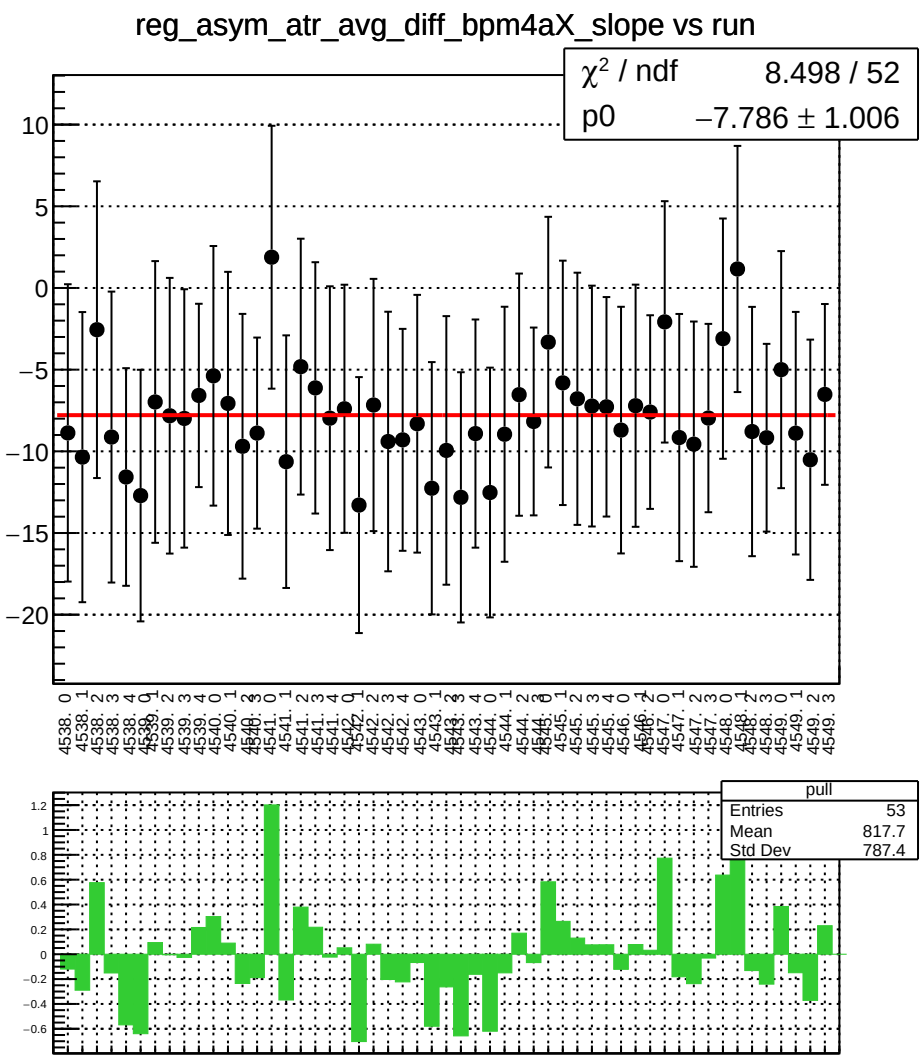

pull1D
Entries 53
Mean 0.005958
Std Dev 0.5232

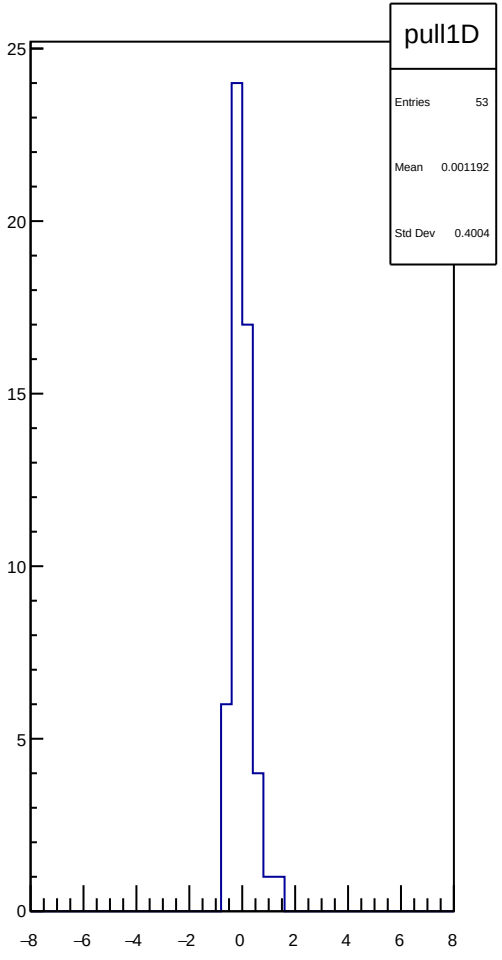

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.51 / 52
p0 −5.987 ± 2.181
pull
Entries 53
Mean 109.2
Std Dev 73.85

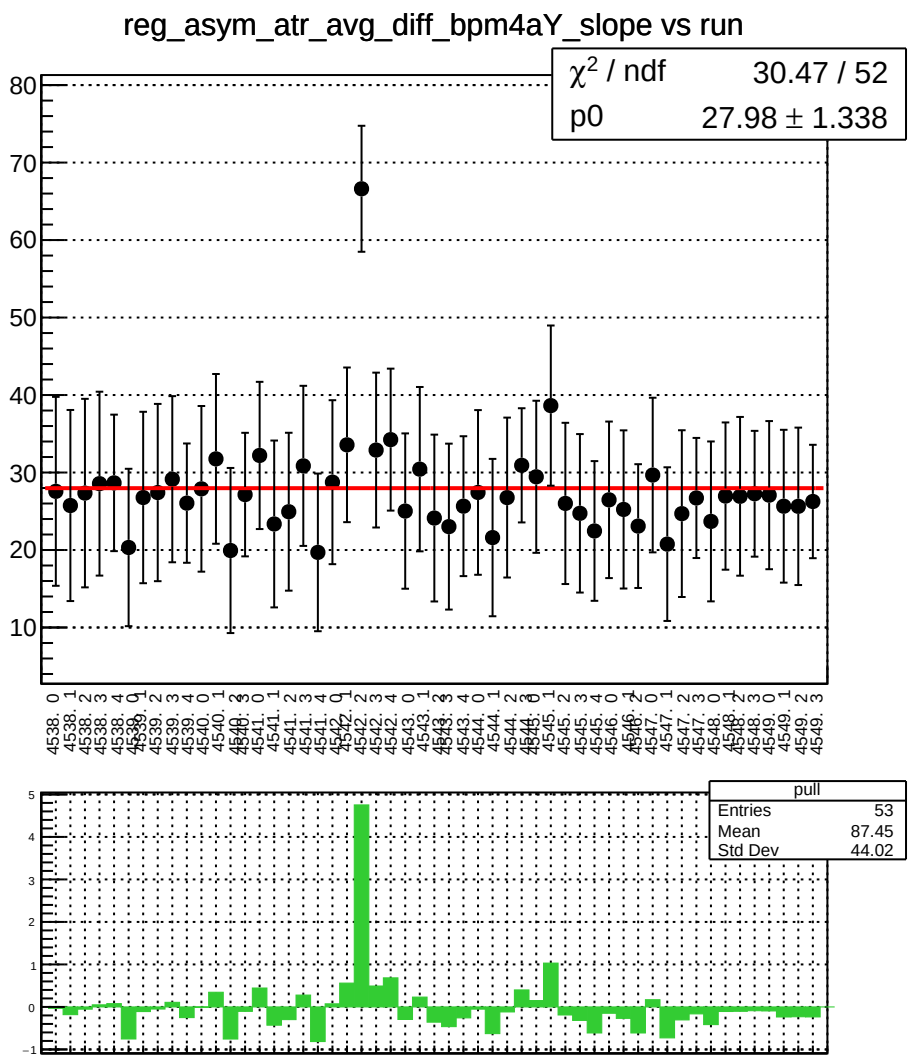

pull1D
Entries 53
Mean −0.03002
Std Dev 0.9758

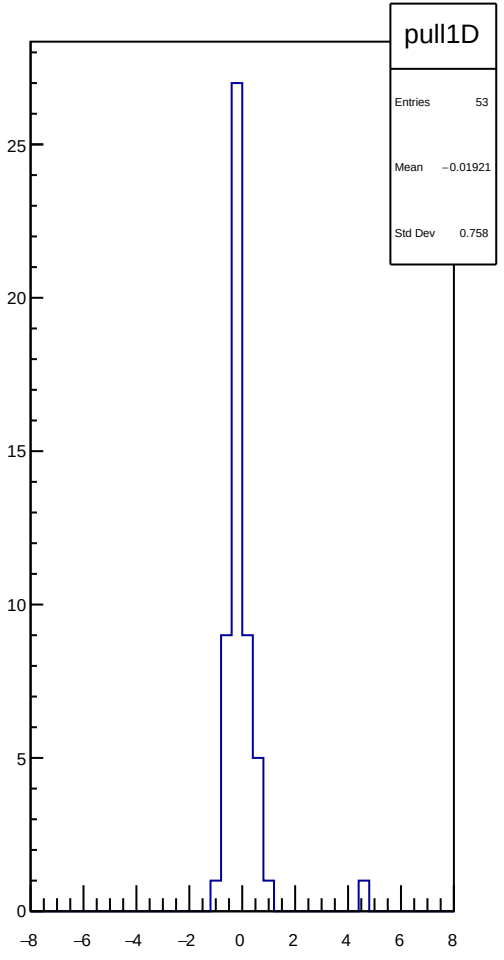

reg_asym_atl_dd_diff_bpm11X_slope vs run
χ² / ndf 9.858 / 52
p0 32.12 ± 0.3681
pull
Entries 53
Mean 381
Std Dev 350.6

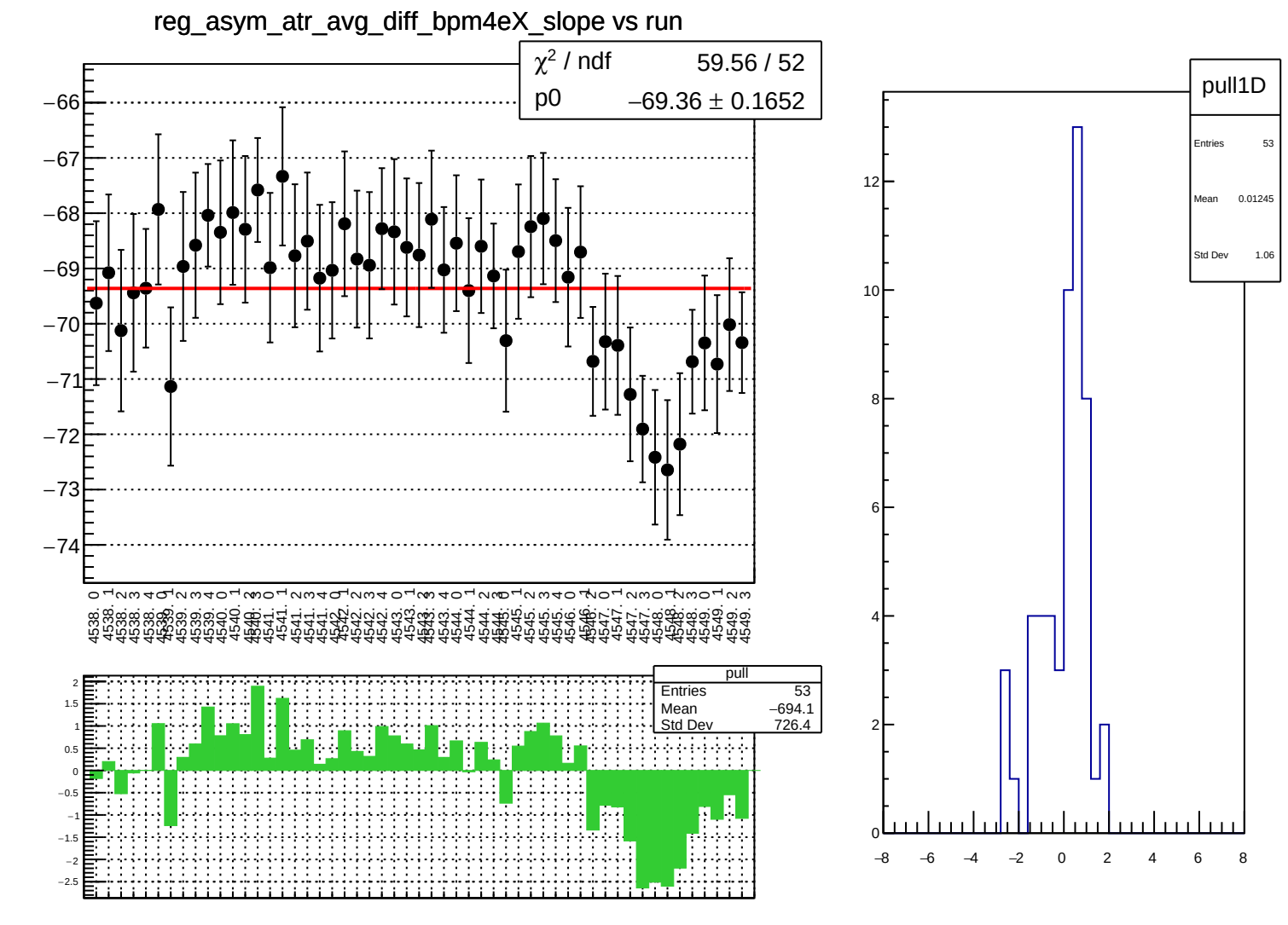

pull1D
Entries 53
Mean 0.009559
Std Dev 0.4312

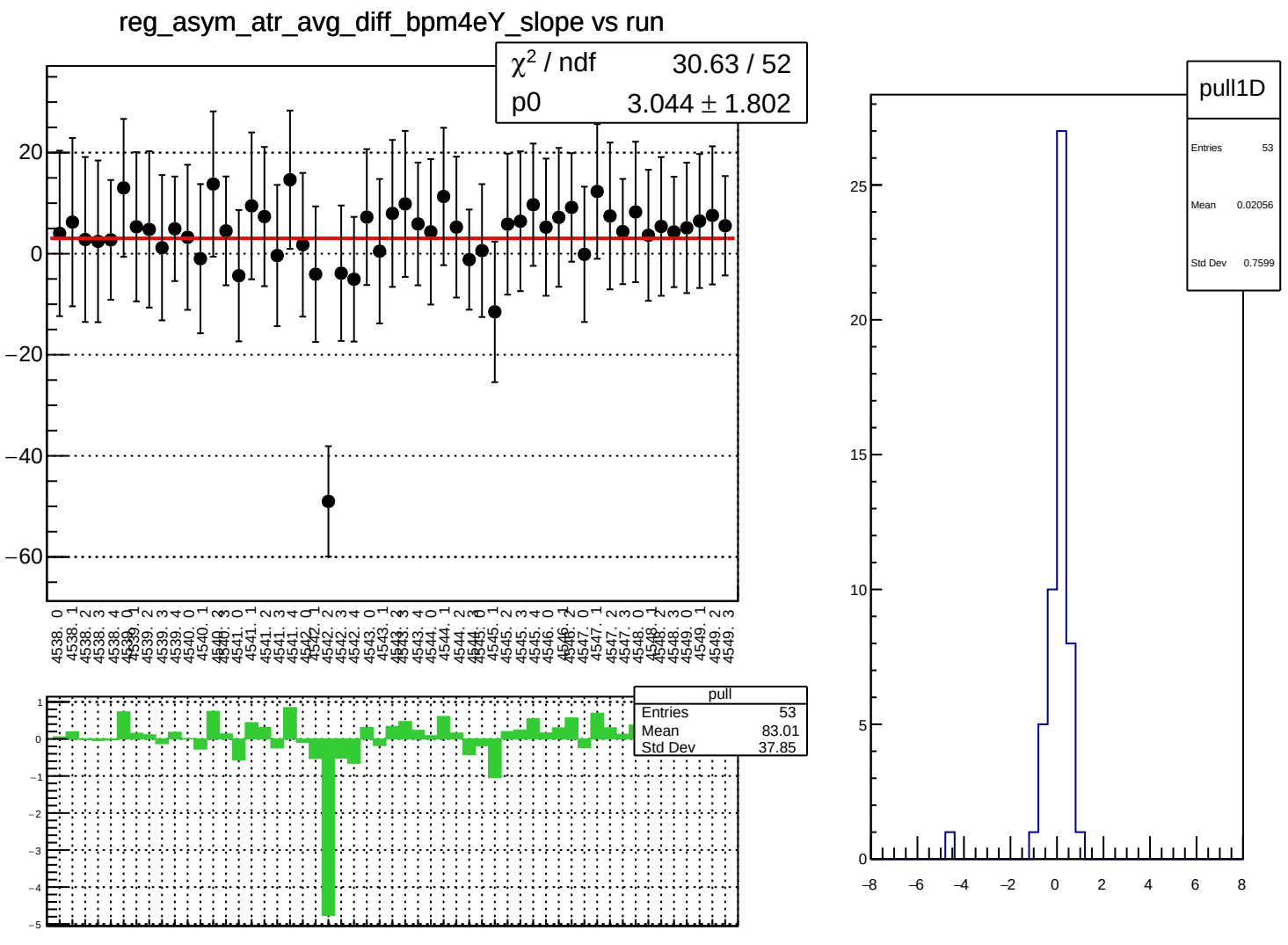

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.498 / 52
p0 −7.786 ± 1.006
pull
Entries 53
Mean 817.7
Std Dev 787.4

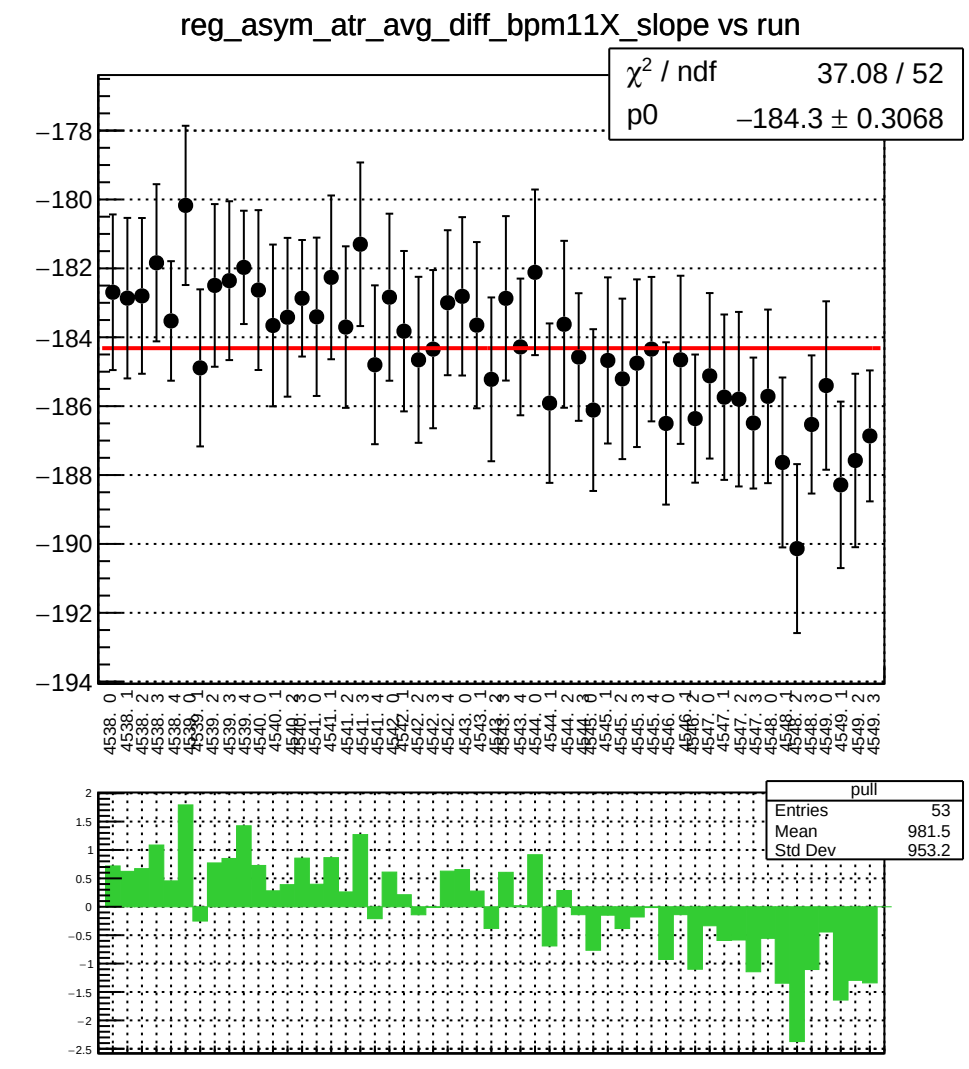

pull1D
Entries 53
Mean 0.001192
Std Dev 0.4004

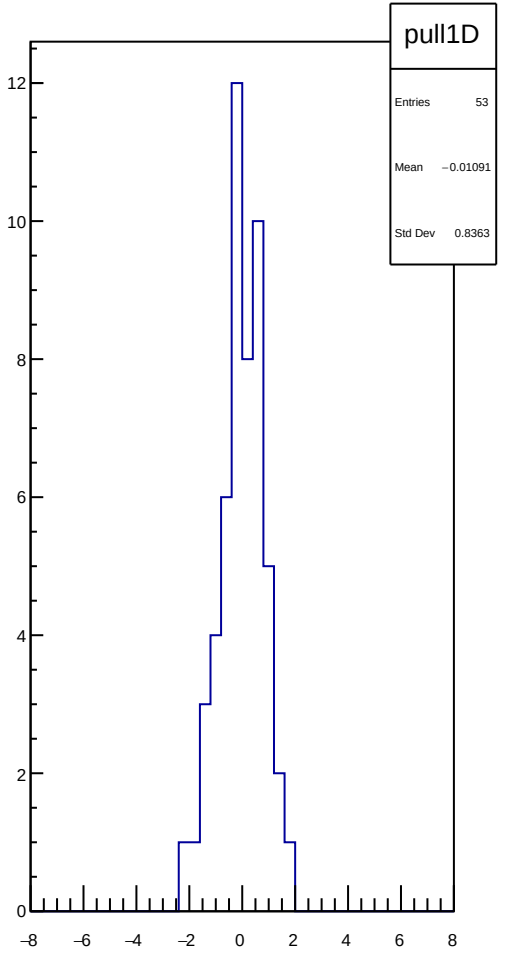

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.47 / 52
p0 27.98 ± 1.338
pull
Entries 53
Mean 87.45
Std Dev 44.02

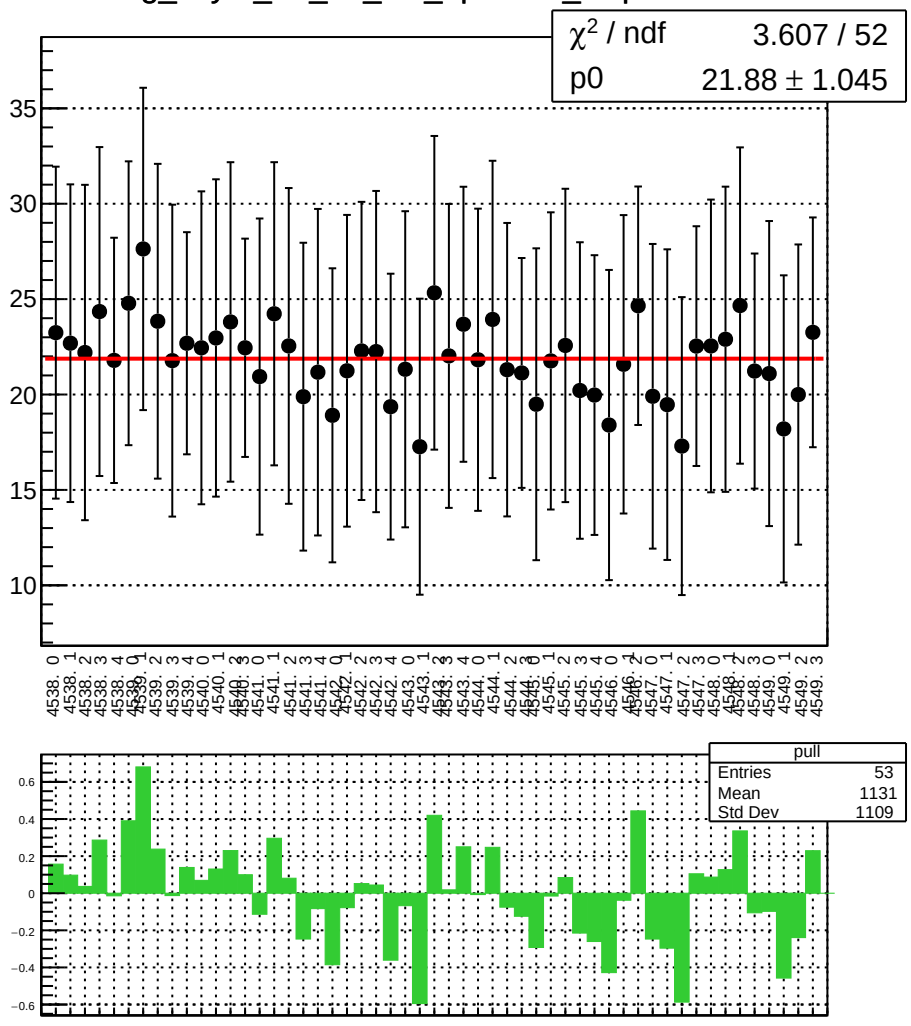

pull1D
Entries 53
Mean −0.01921
Std Dev 0.758

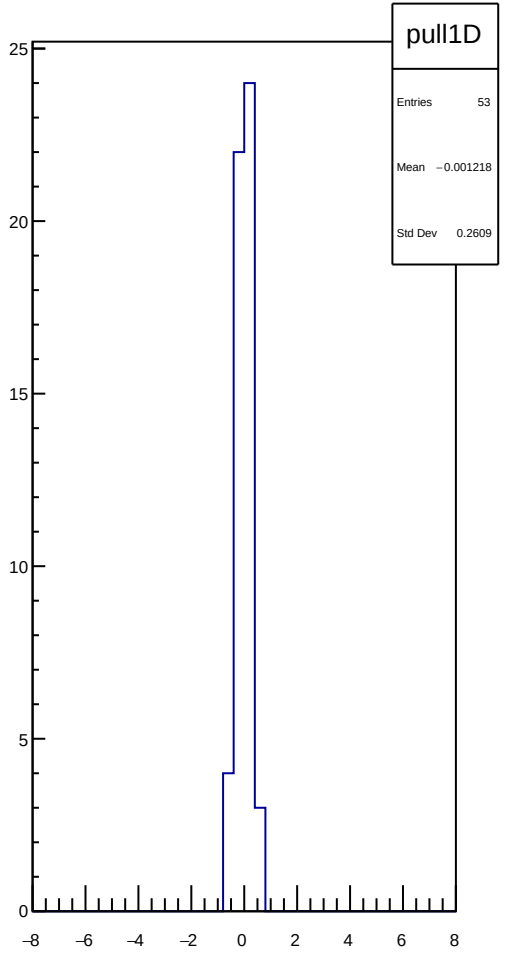

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 59.56 / 52
p0 −69.36 ± 0.1652
pull
Entries 53
Mean −694.1
Std Dev 726.4
pull1D
Entries 53
Mean 0.01245
Std Dev 1.06

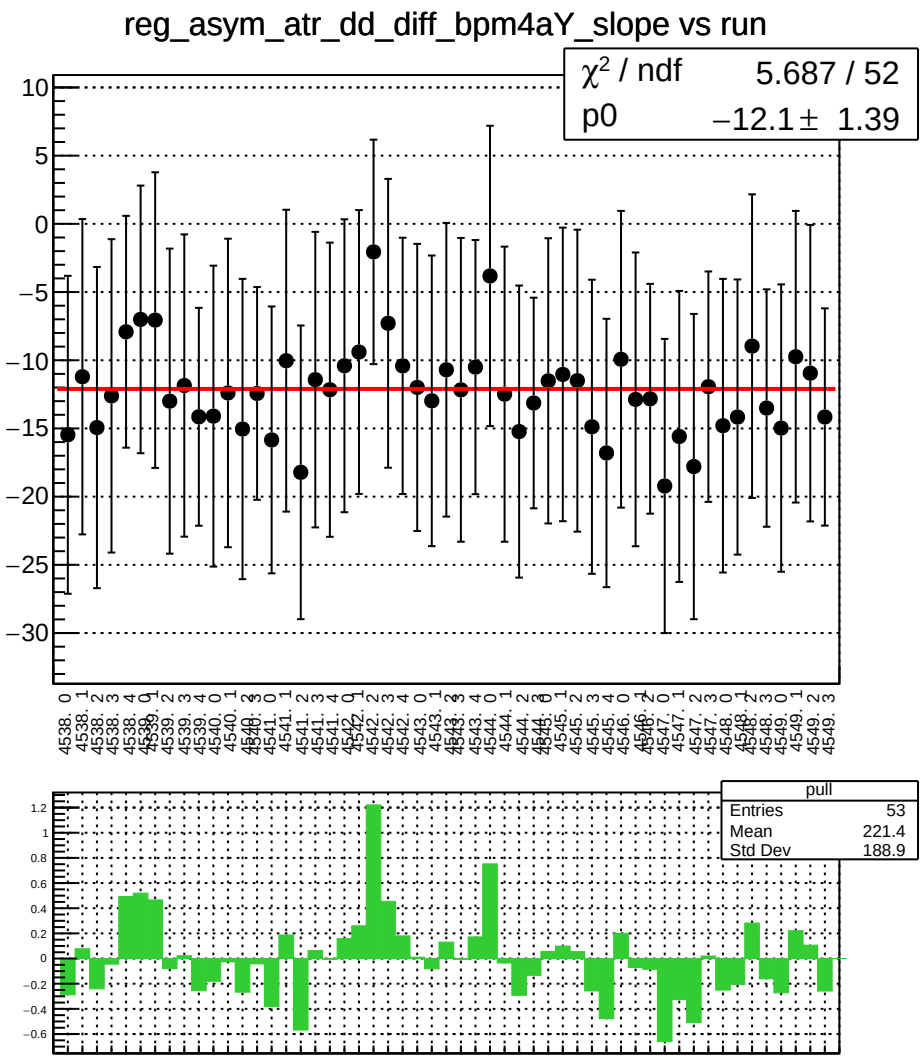

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.63 / 52
p0 3.044 ± 1.802
pull
Entries 53
Mean 83.01
Std Dev 37.85
pull1D
Entries 53
Mean 0.02056
Std Dev 0.7599

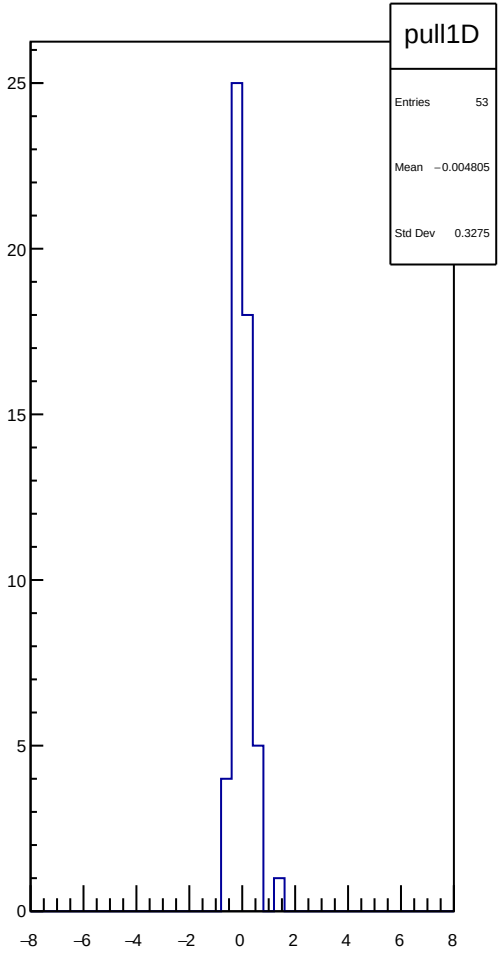

reg_asym_atr_avg_diff_bpm11X_slope vs run
χ² / ndf 37.08 / 52
p0 −184.3 ± 0.3068
pull
Entries 53
Mean 981.5
Std Dev 953.2

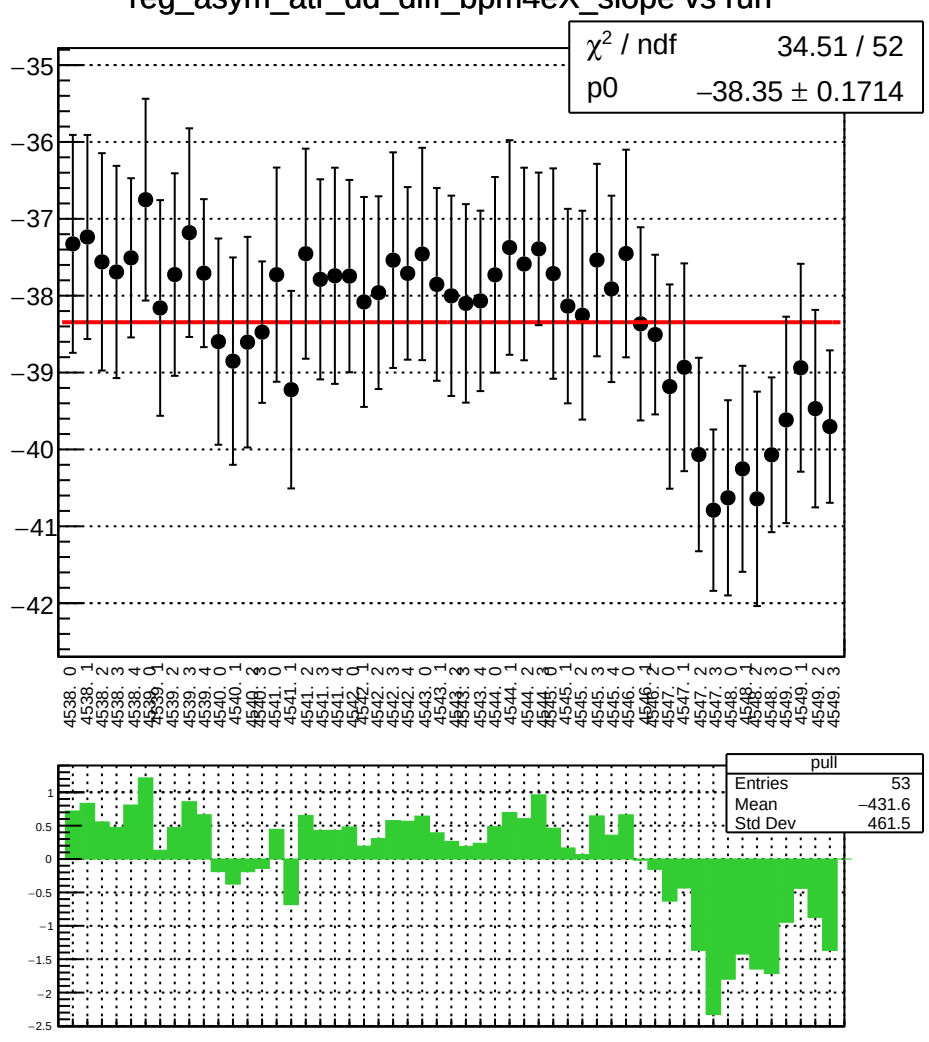

pull1D
Entries 53
Mean −0.01091
Std Dev 0.8363

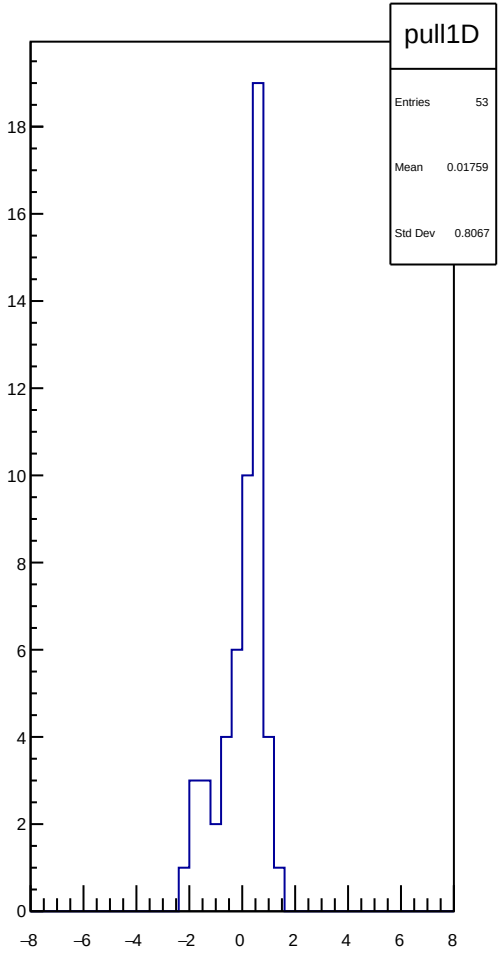

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.607 / 52
p0 21.88 ± 1.045
pull
Entries 53
Mean 1131
Std Dev 1109

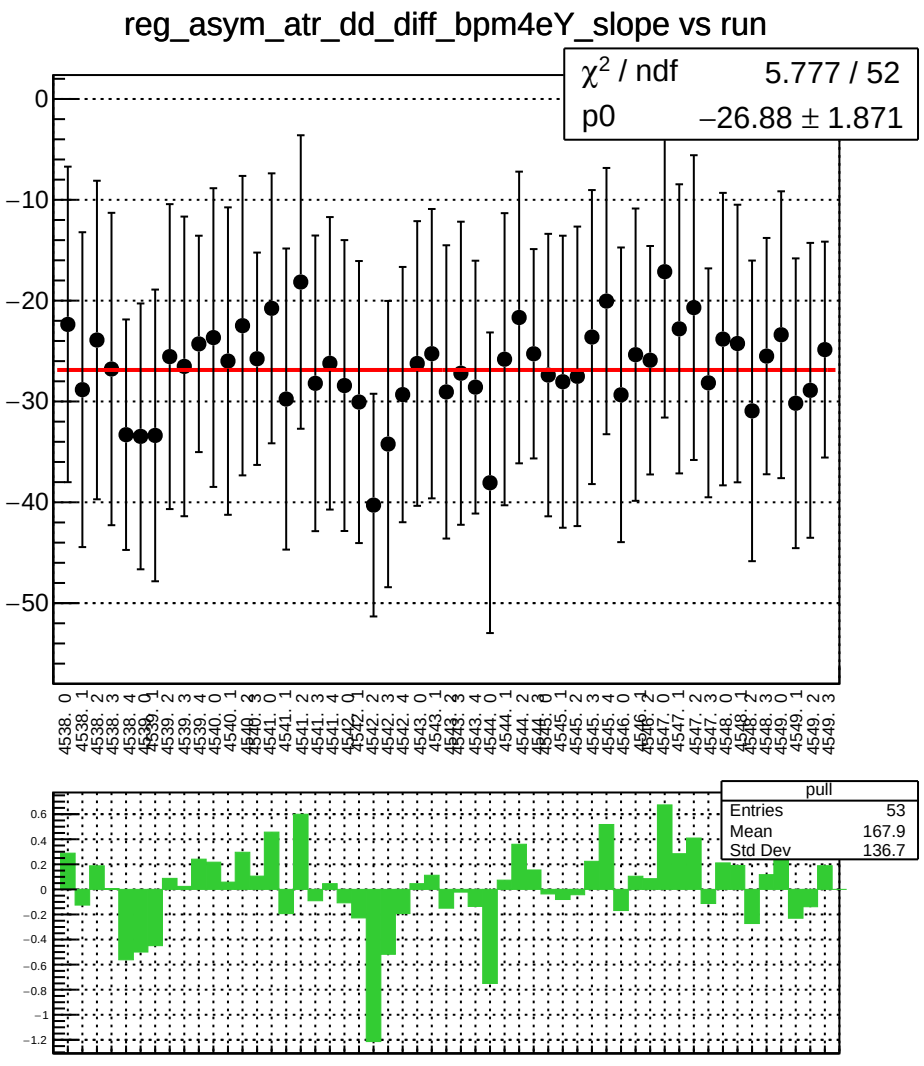

pull1D
Entries 53
Mean −0.001218
Std Dev 0.2609

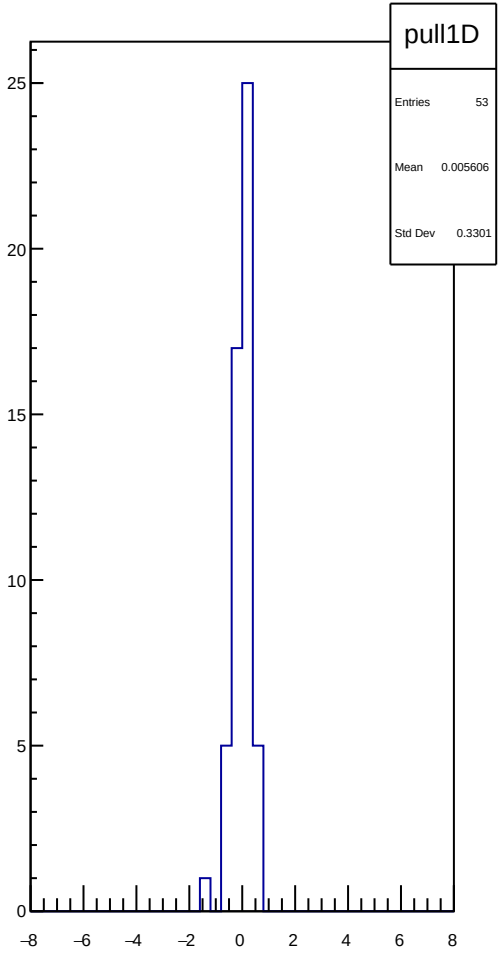

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.687 / 52
p0 −12.1 ± 1.39
pull
Entries 53
Mean 221.4
Std Dev 188.9

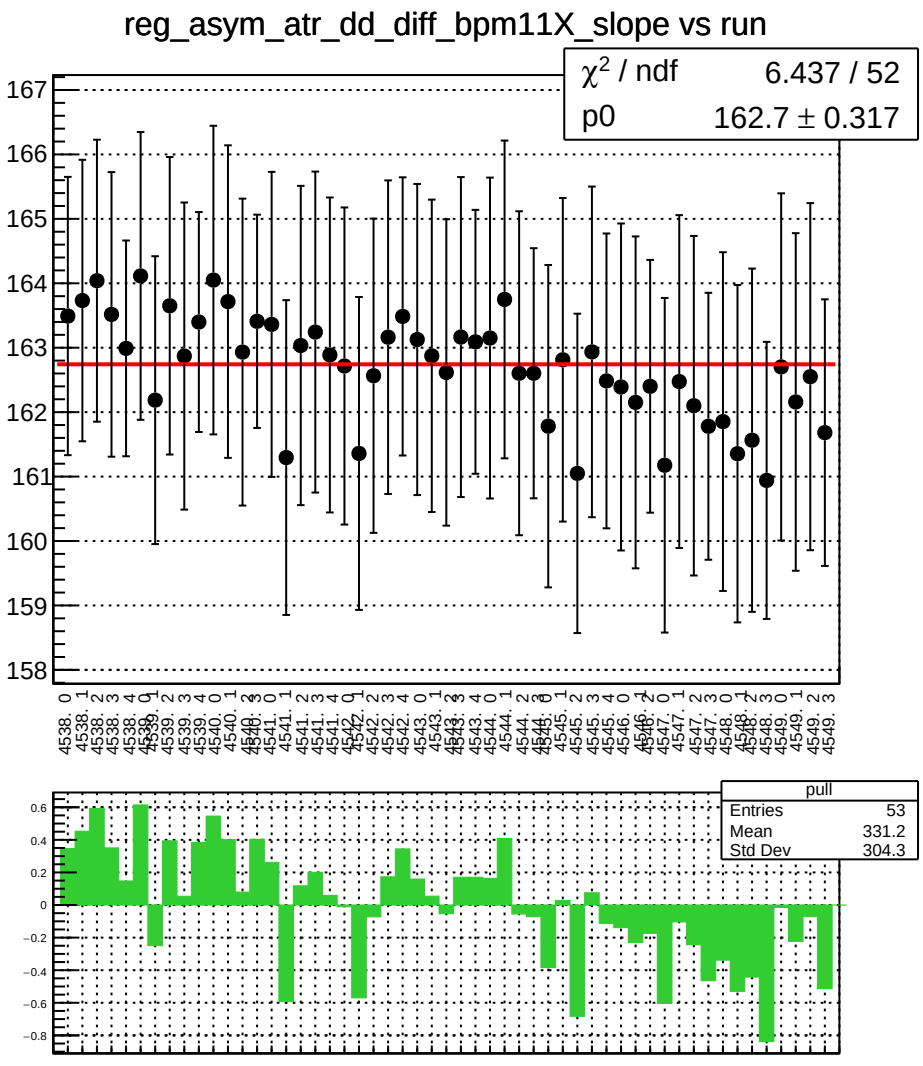

pull1D
Entries 53
Mean −0.004805
Std Dev 0.3275

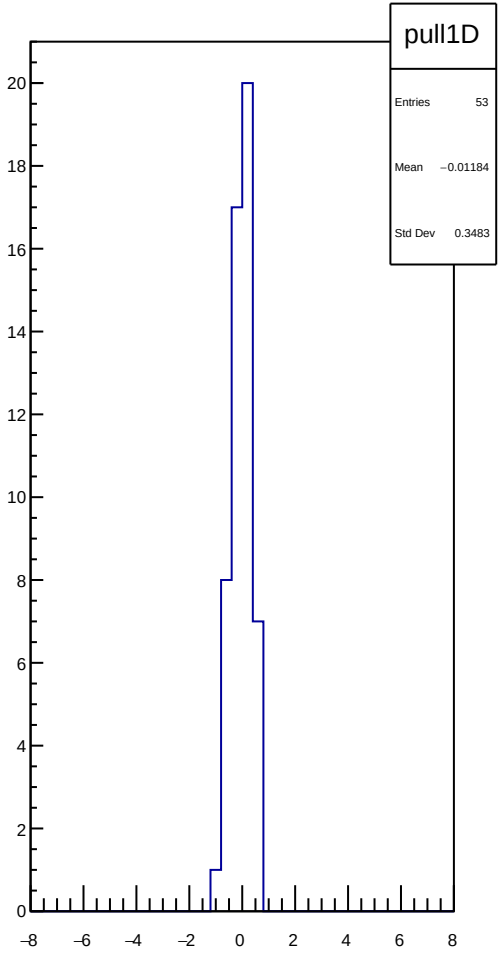

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.51 / 52
p0 −38.35 ± 0.1714
pull
Entries 53
Mean −431.6
Std Dev 461.5

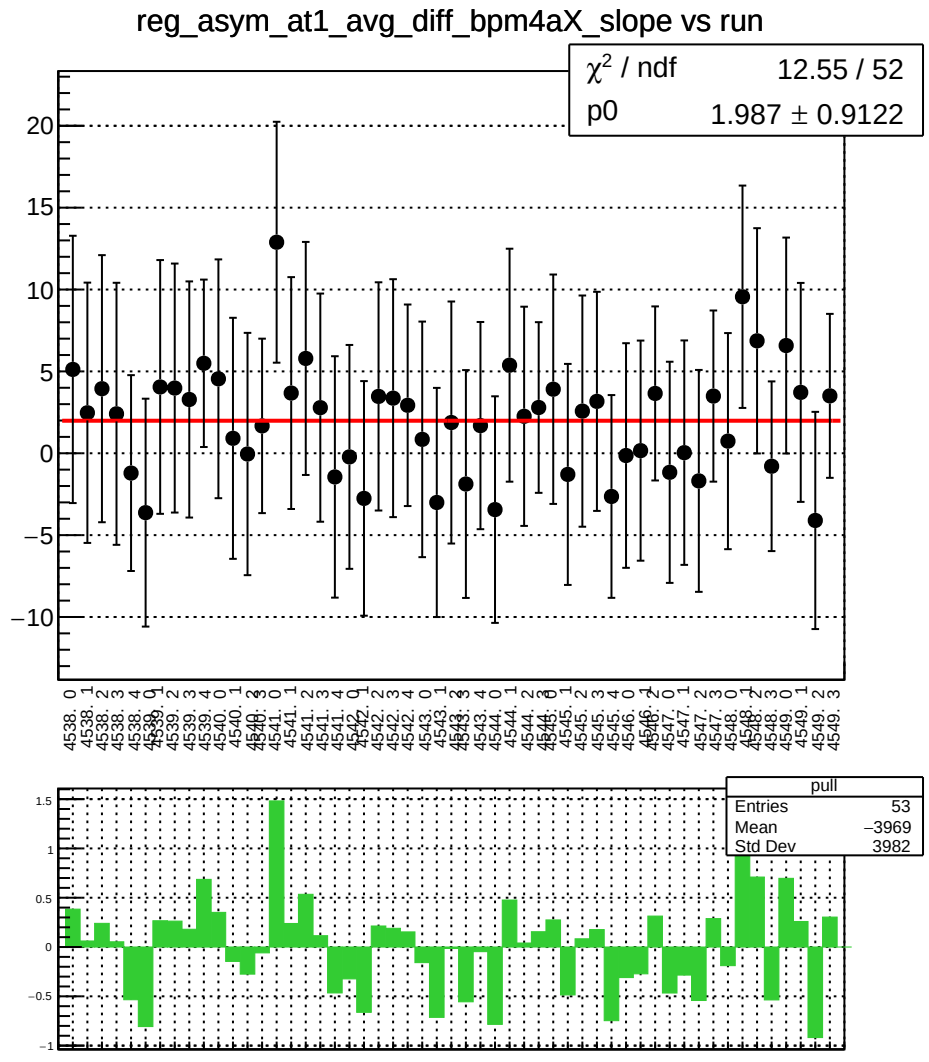

pull1D
Entries 53
Mean 0.01759
Std Dev 0.8067

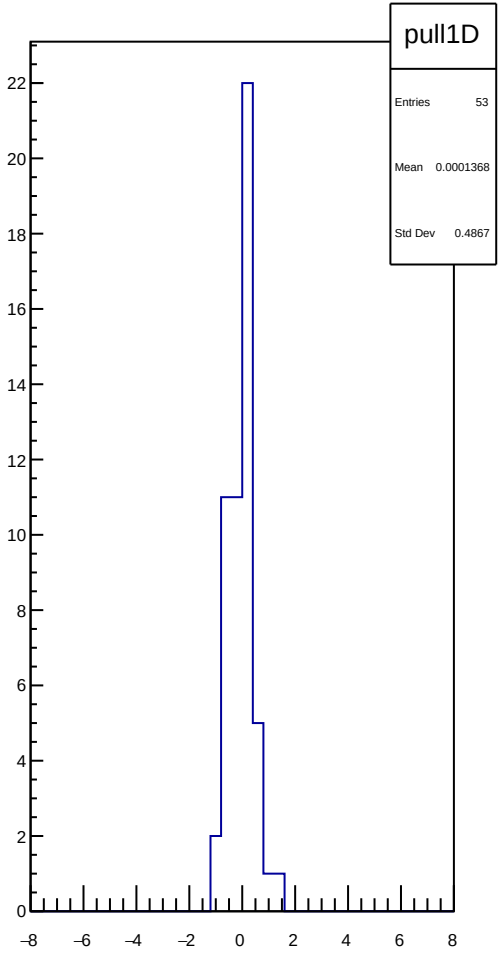

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.777 / 52
p0 −26.88 ± 1.871
pull
Entries 53
Mean 167.9
Std Dev 136.7

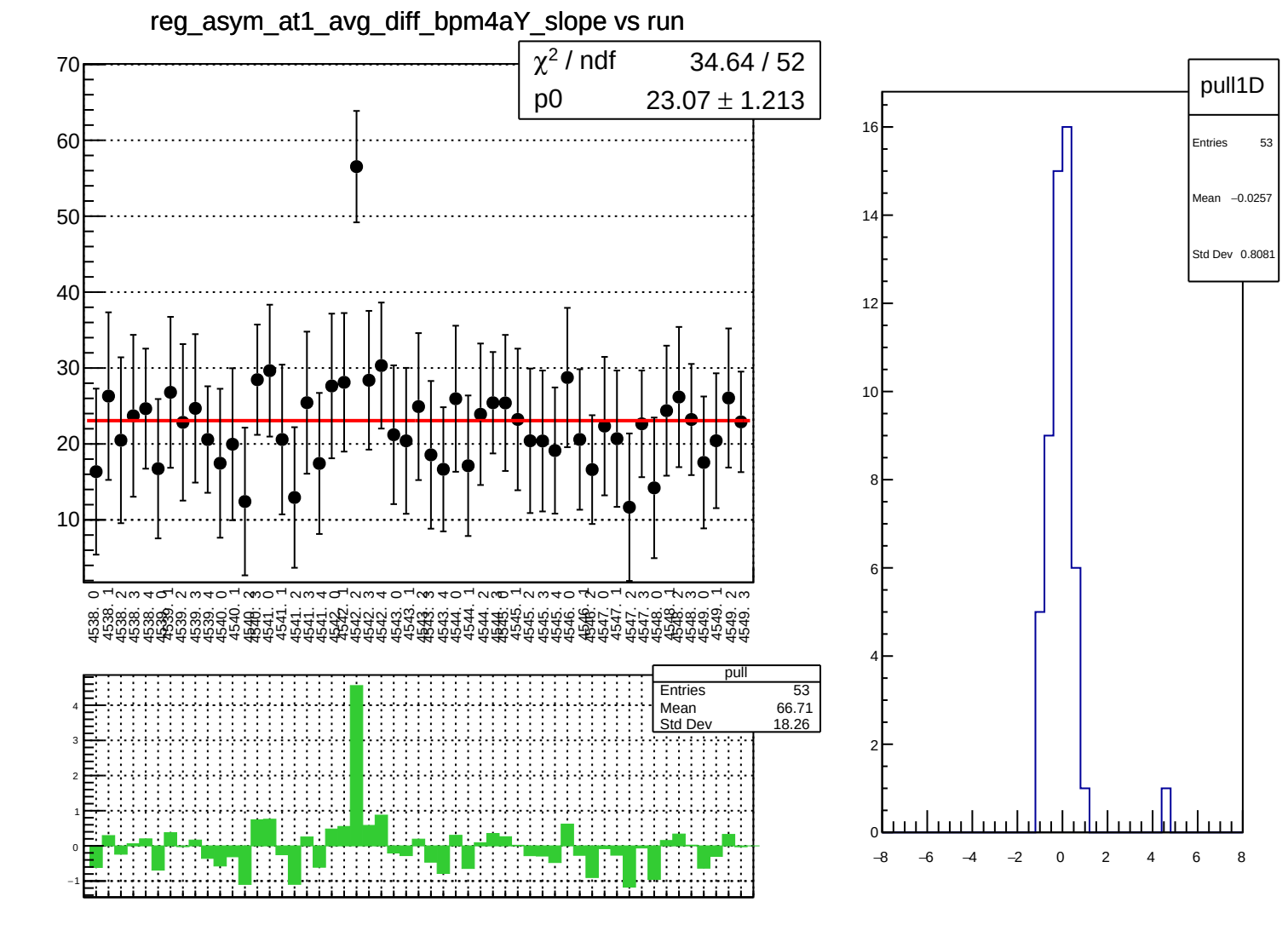

pull1D
Entries 53
Mean 0.005606
Std Dev 0.3301

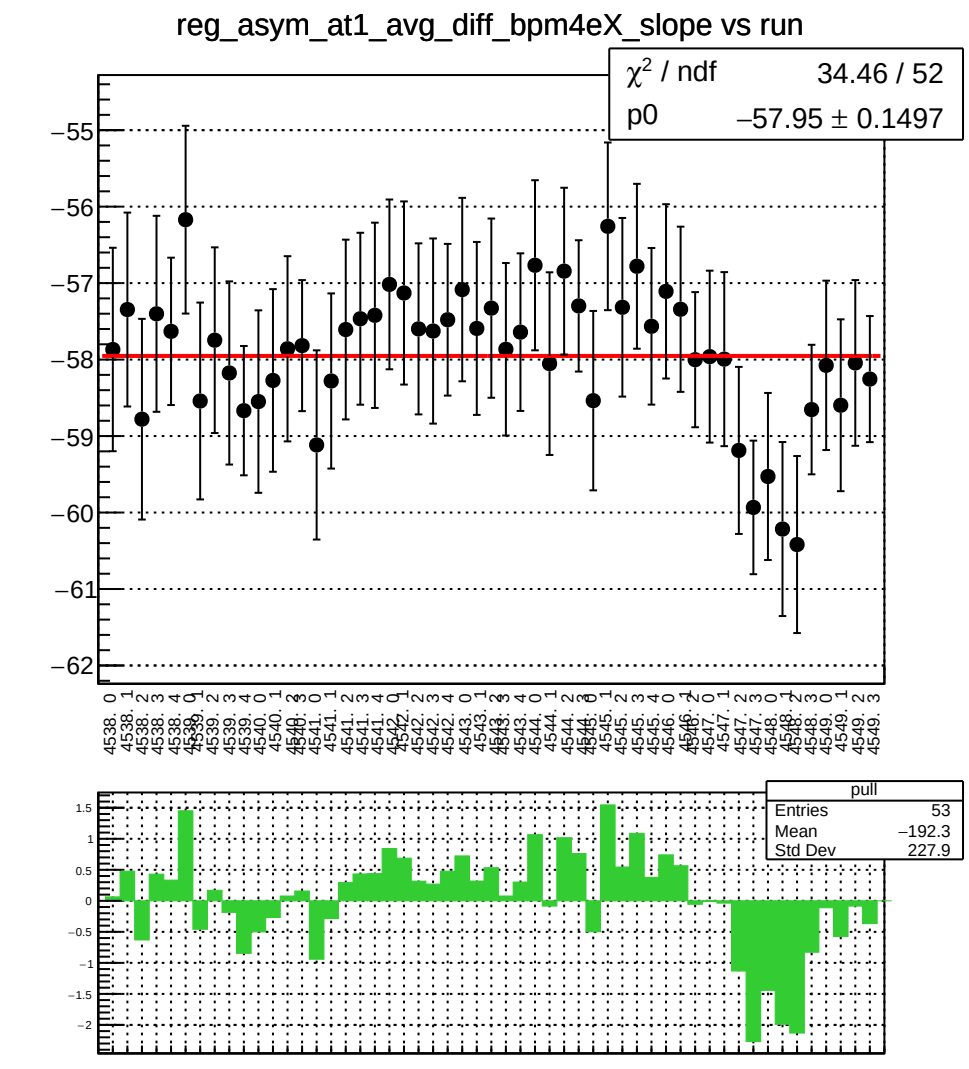

reg_asym_atr_dd_diff_bpm11X_slope vs run
χ^2 / ndf 6.437 / 52
p0 162.7 ± 0.317
pull
Entries 53
Mean 331.2
Std Dev 304.3

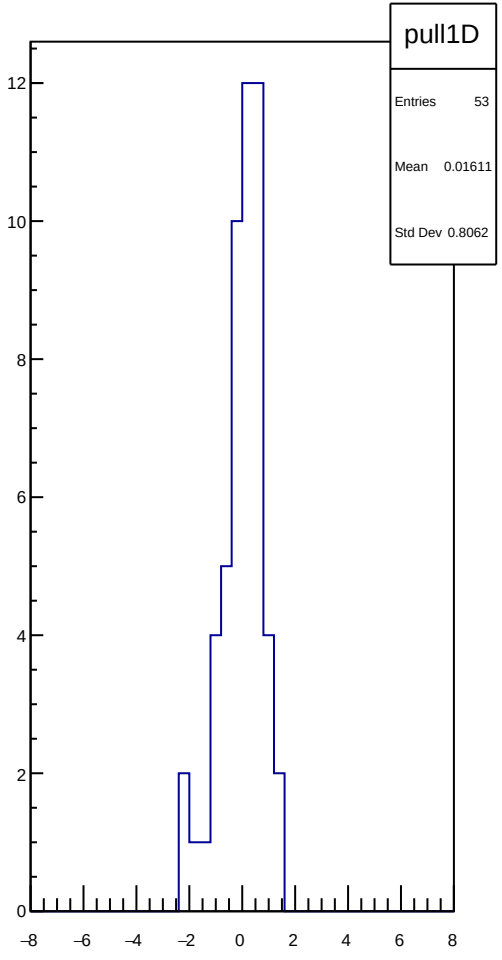

pull1D
Entries 53
Mean −0.01184
Std Dev 0.3483

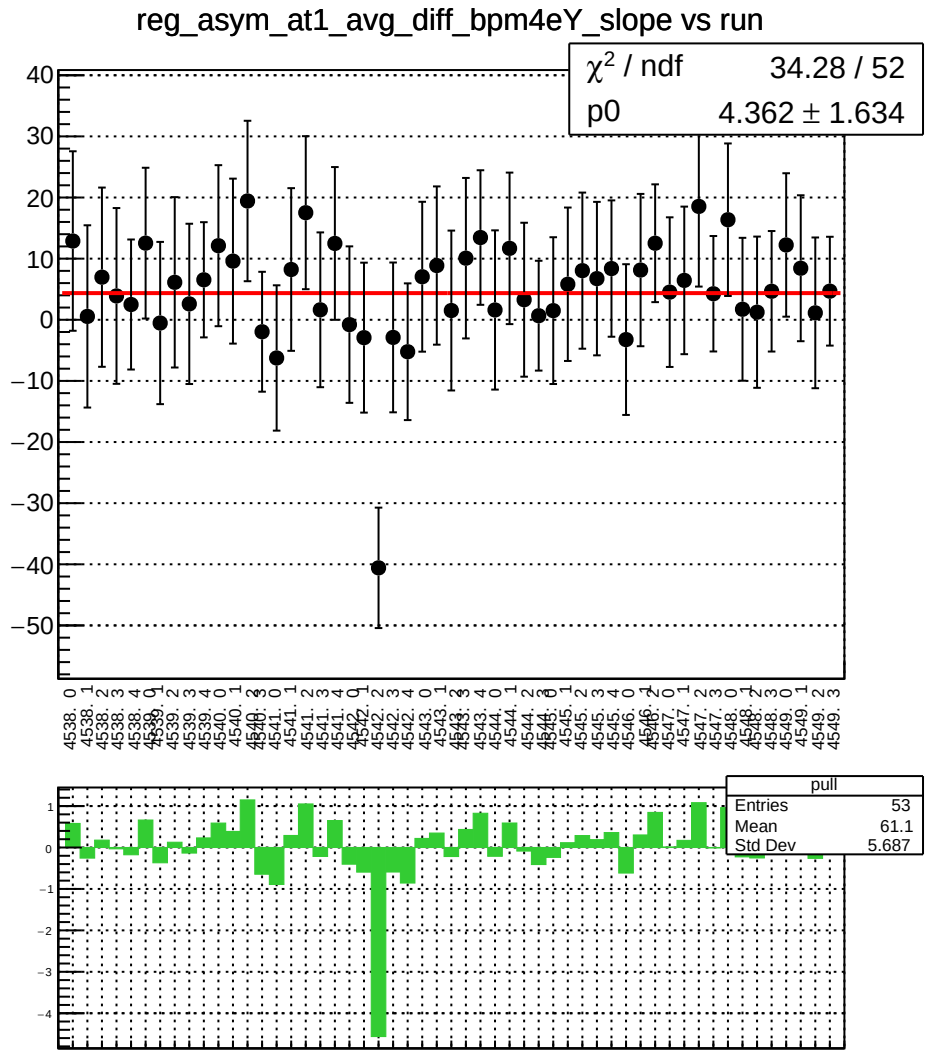

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.55 / 52
p0 1.987 ± 0.9122
pull
Entries 53
Mean −3969
Std Dev 3982

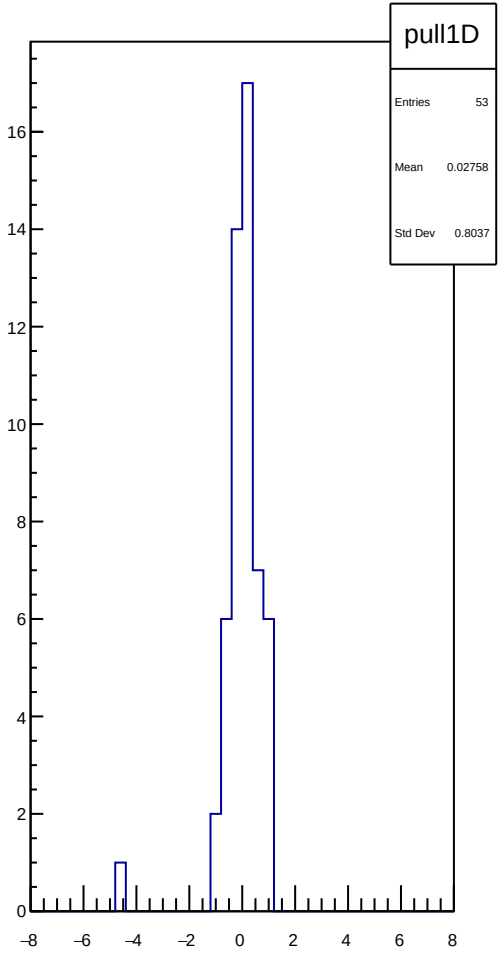

pull1D
Entries 53
Mean 0.0001368
Std Dev 0.4867

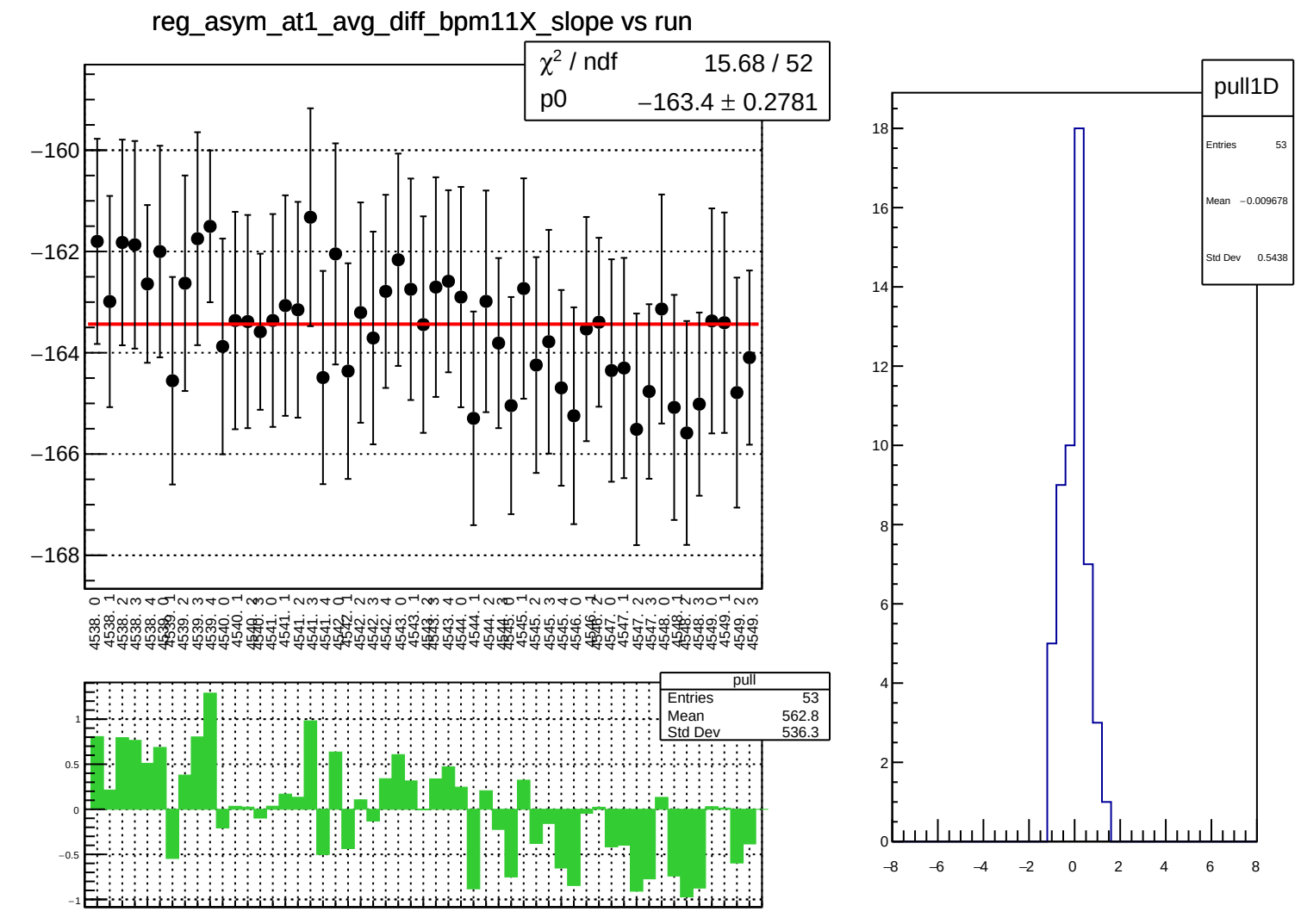

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.64 / 52
p0 23.07 ± 1.213
pull
Entries 53
Mean 66.71
Std Dev 18.26
pull1D
Entries 53
Mean −0.0257
Std Dev 0.8081

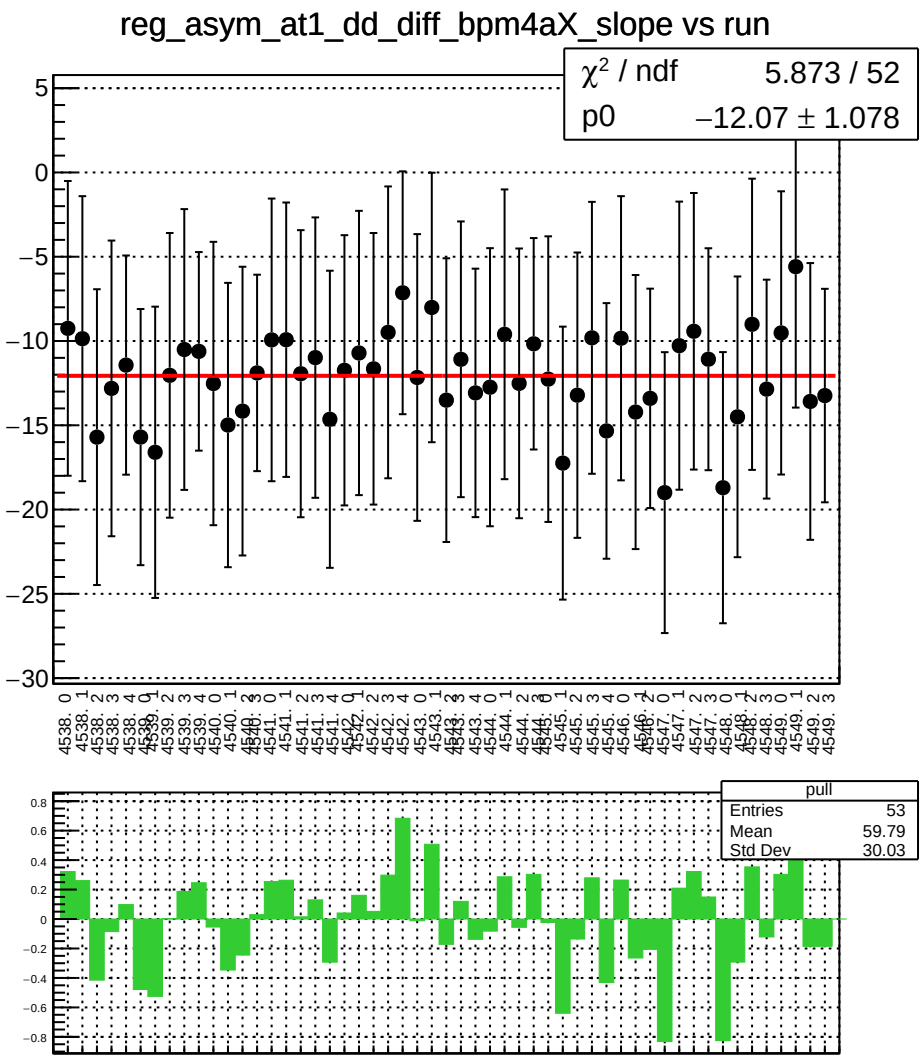

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.46 / 52
p0 −57.95 ± 0.1497
pull
Entries 53
Mean −192.3
Std Dev 227.9

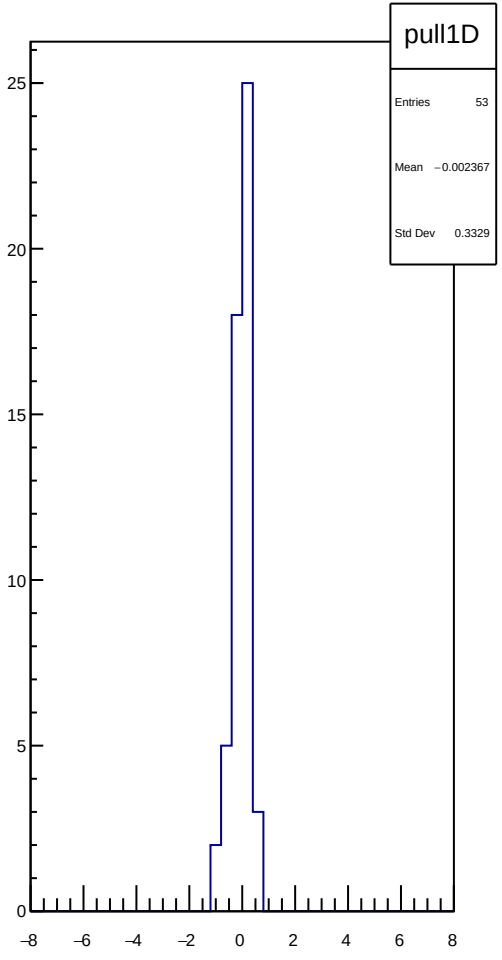

pull1D
Entries 53
Mean 0.01611
Std Dev 0.8062

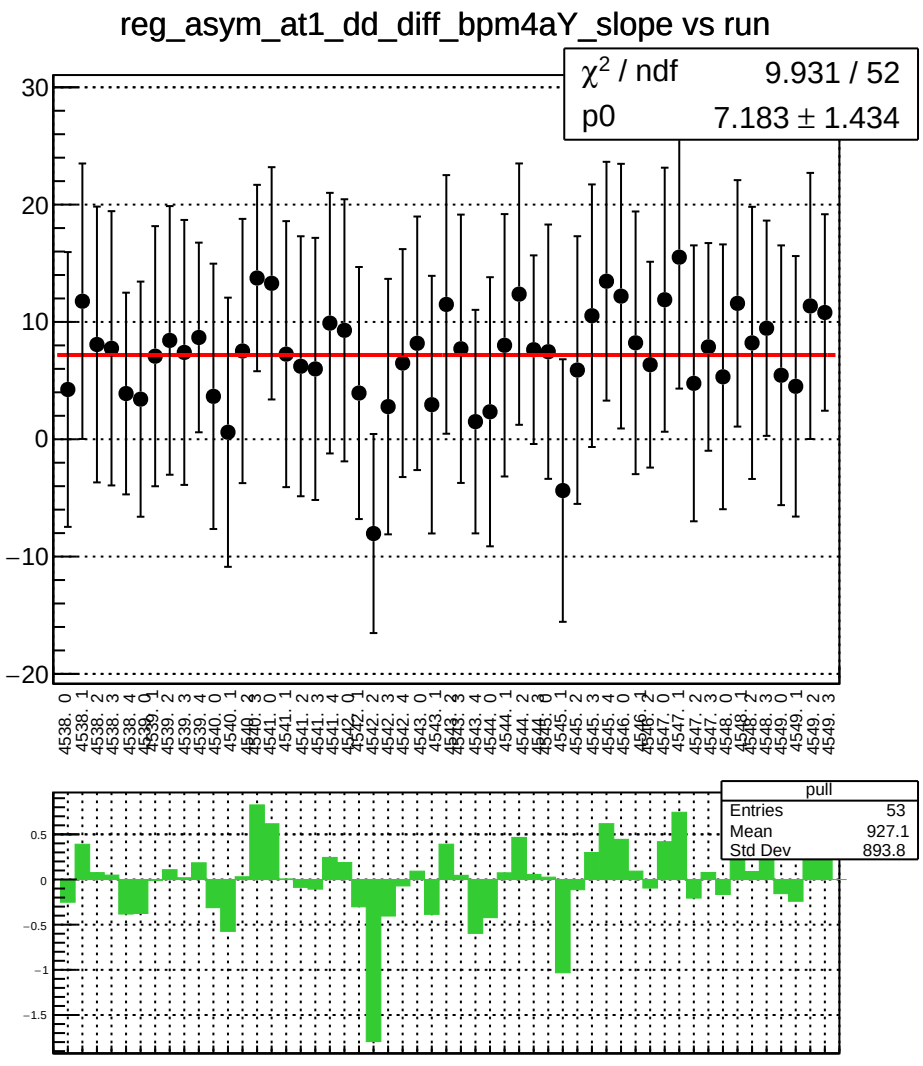

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.28 / 52
p0 4.362 ± 1.634
pull
Entries 53
Mean 61.1
Std Dev 5.687

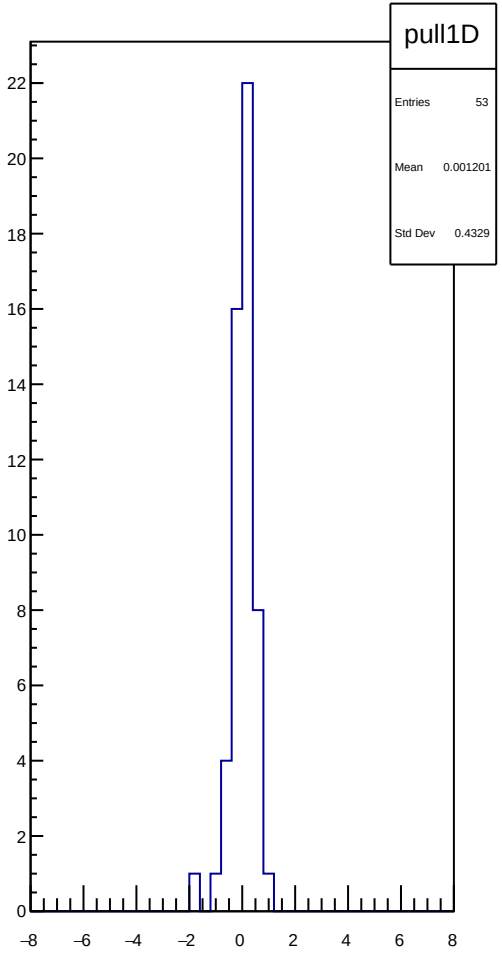

pull1D
Entries 53
Mean 0.02758
Std Dev 0.8037

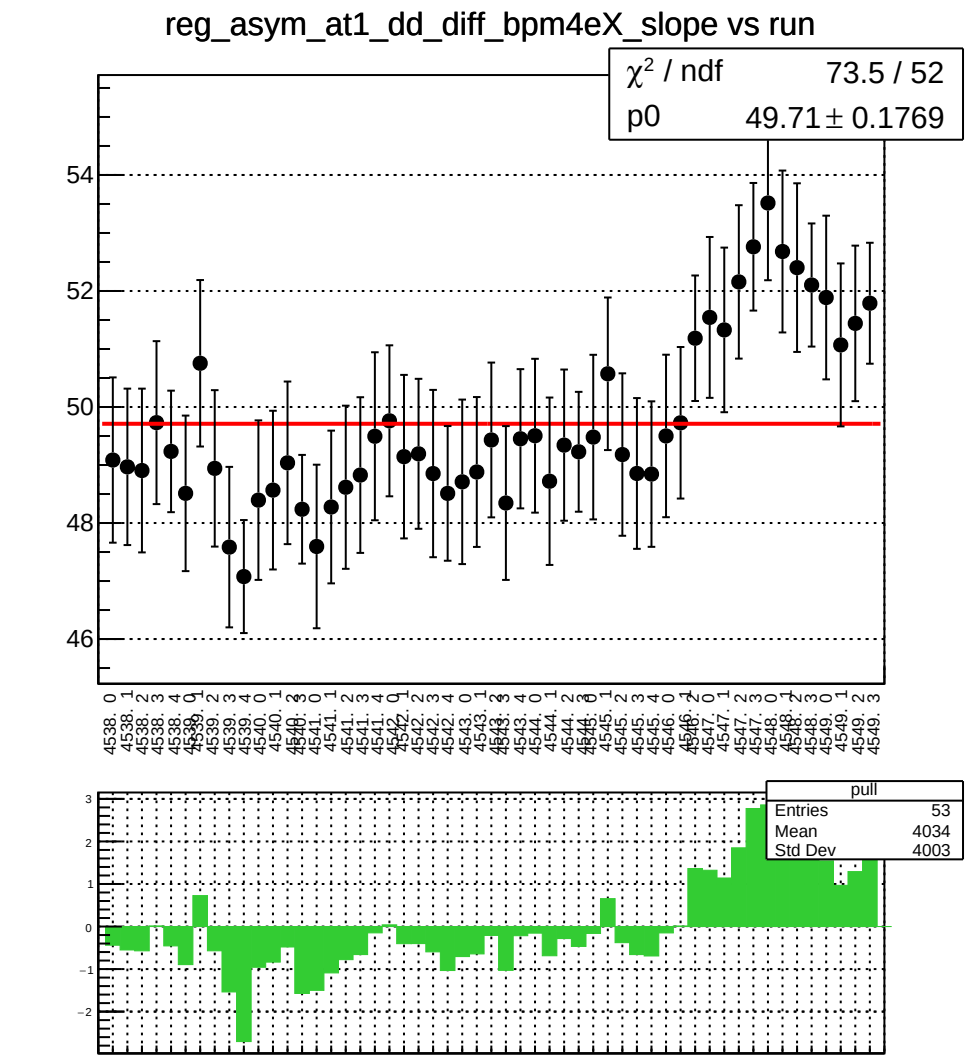

reg_asym_at1_avg_diff_bpm11X_slope vs run
χ² / ndf 15.68 / 52
p0 −163.4 ± 0.2781
−160
−162
−164
−166
−168
pull
Entries 53
Mean 562.8
Std Dev 536.3
1
0.5
0
−0.5
−1
pull1D
Entries 53
Mean −0.009678
Std Dev 0.5438
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

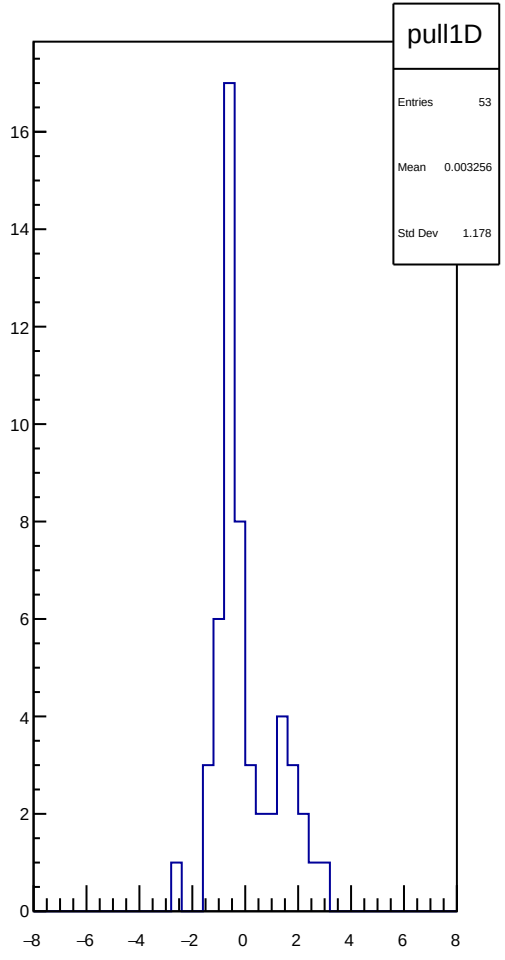

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 5.873 / 52
p0 −12.07 ± 1.078
pull
Entries 53
Mean 59.79
Std Dev 30.03

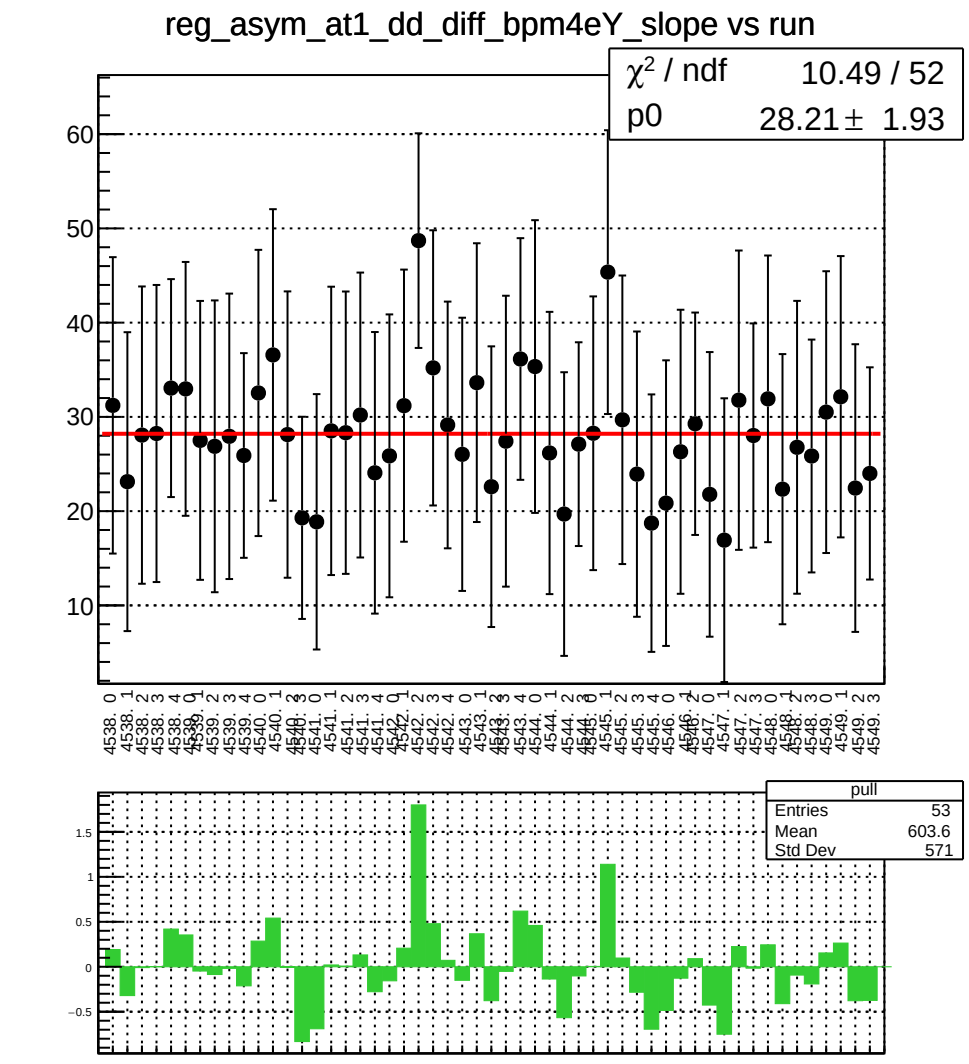

pull1D
Entries 53
Mean −0.002367
Std Dev 0.3329

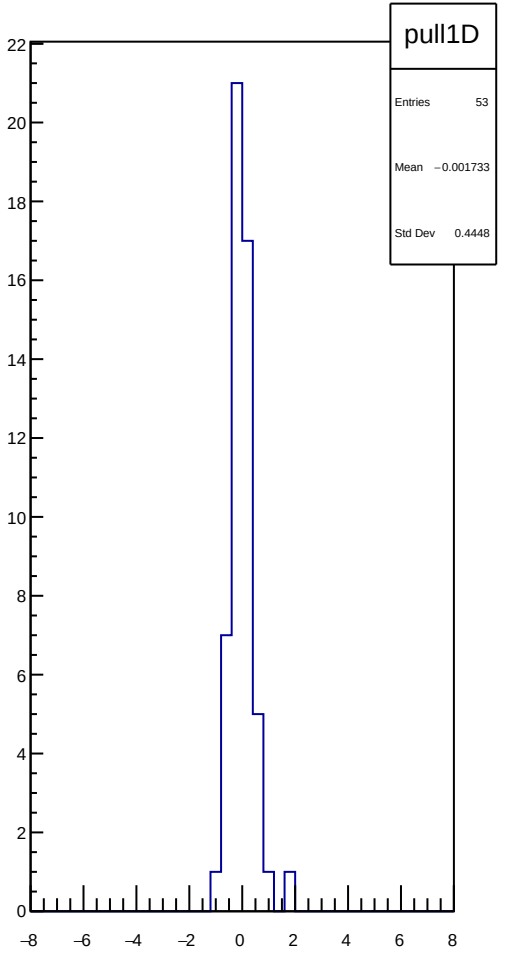

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.931 / 52
p0 7.183 ± 1.434
pull
Entries 53
Mean 927.1
Std Dev 893.8

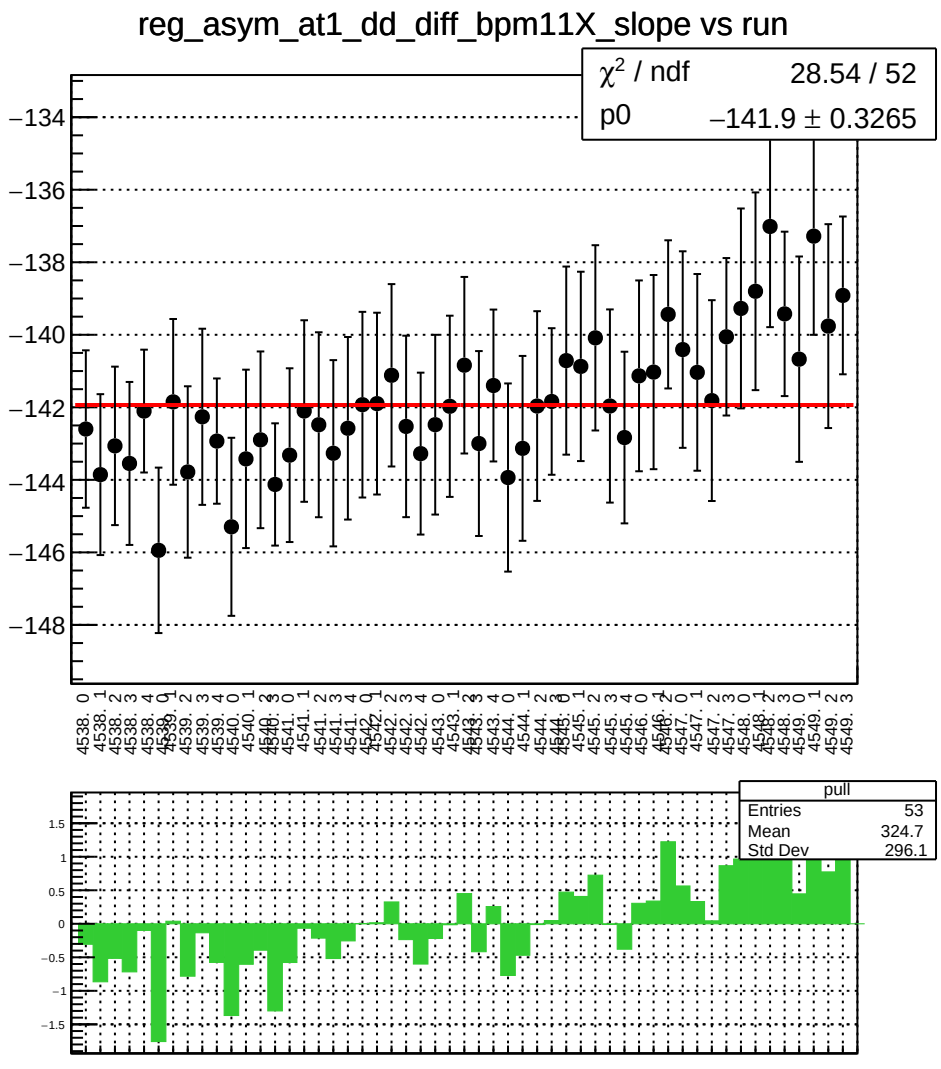

pull1D
Entries 53
Mean 0.001201
Std Dev 0.4329

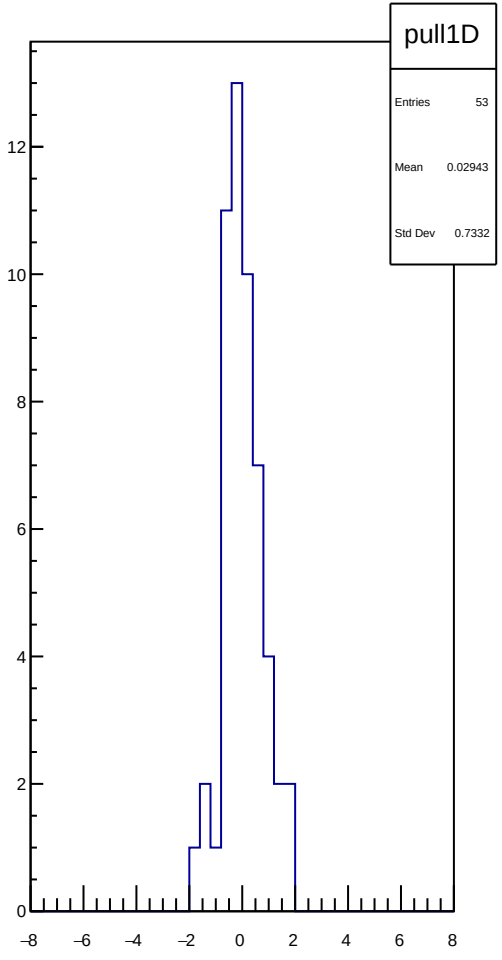

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 73.5 / 52
p0 49.71 ± 0.1769
54
52
50
48
46
pull
Entries 53
Mean 4034
Std Dev 4003
3
2
1
0
−1
−2

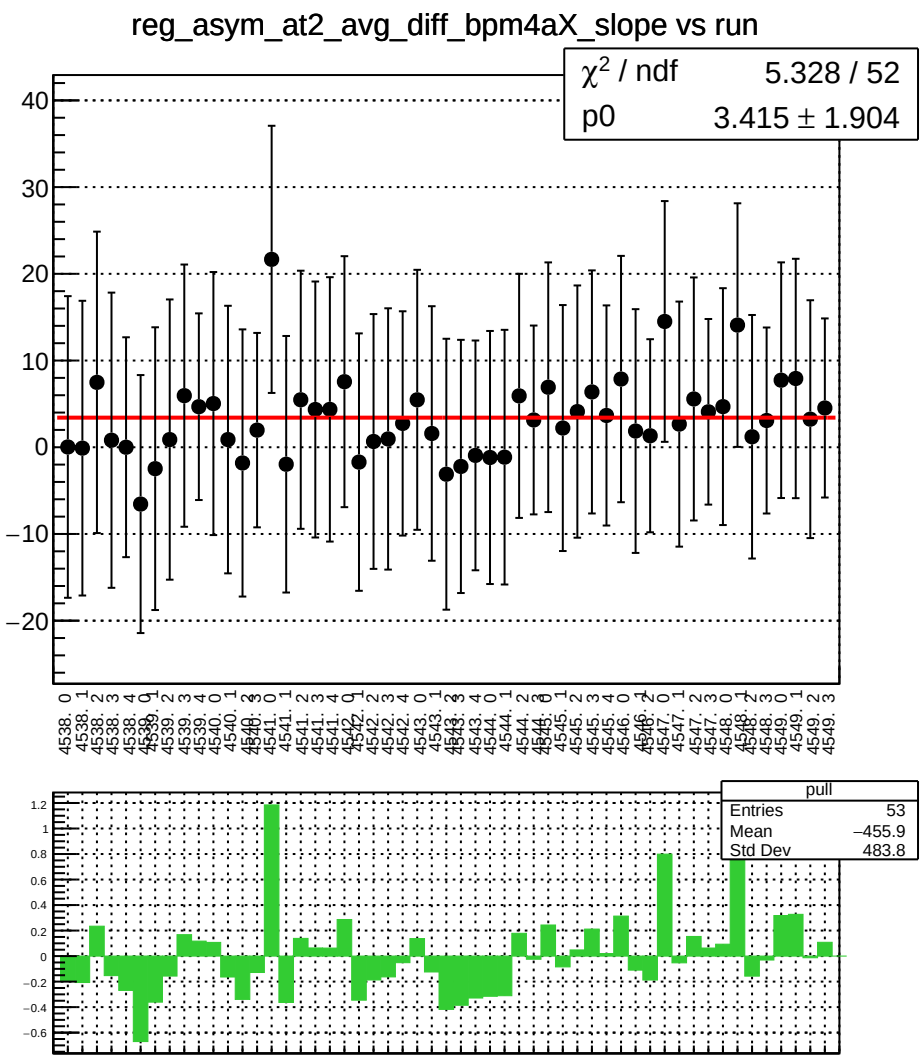

pull1D
Entries 53
Mean 0.003256
Std Dev 1.178
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

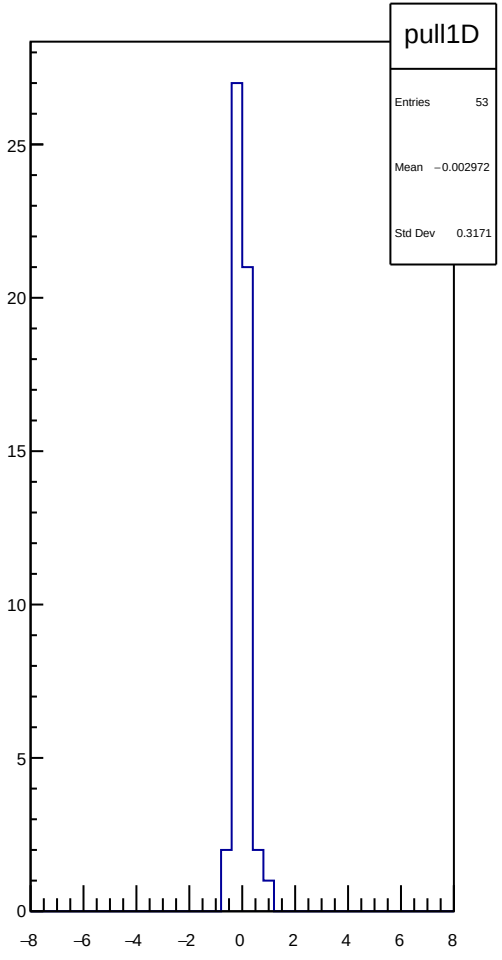

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.49 / 52
p0 28.21 ± 1.93
pull
Entries 53
Mean 603.6
Std Dev 571

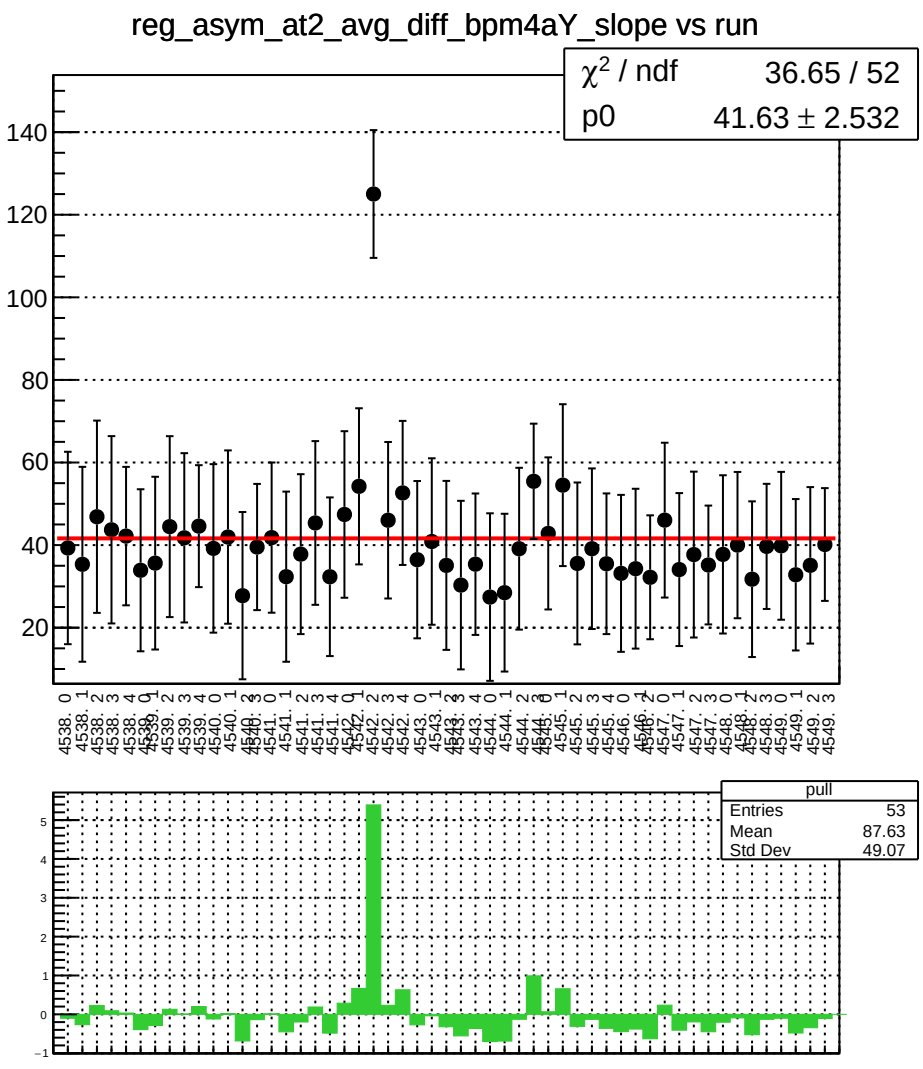

pull1D
Entries 53
Mean −0.001733
Std Dev 0.4448

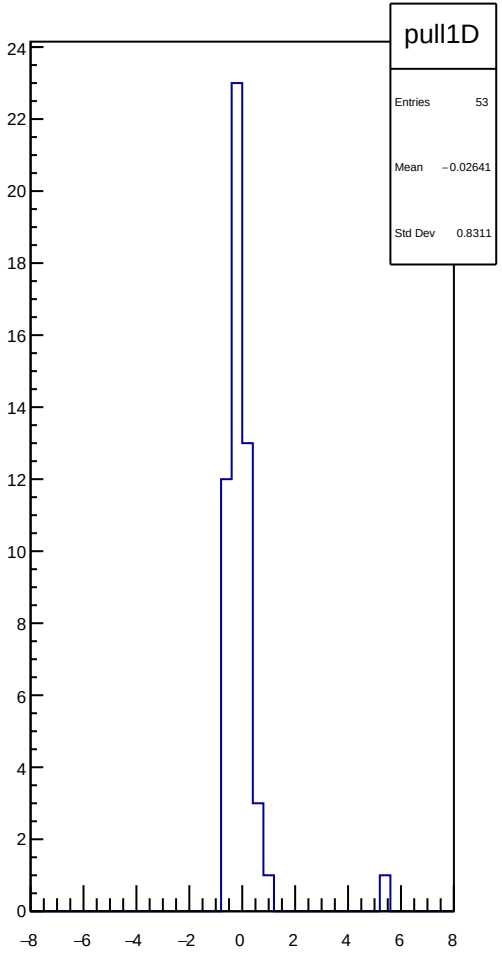

reg_asym_at1_dd_diff_bpm11X_slope vs run
χ² / ndf 28.54 / 52
p0 −141.9 ± 0.3265
pull
Entries 53
Mean 324.7
Std Dev 296.1

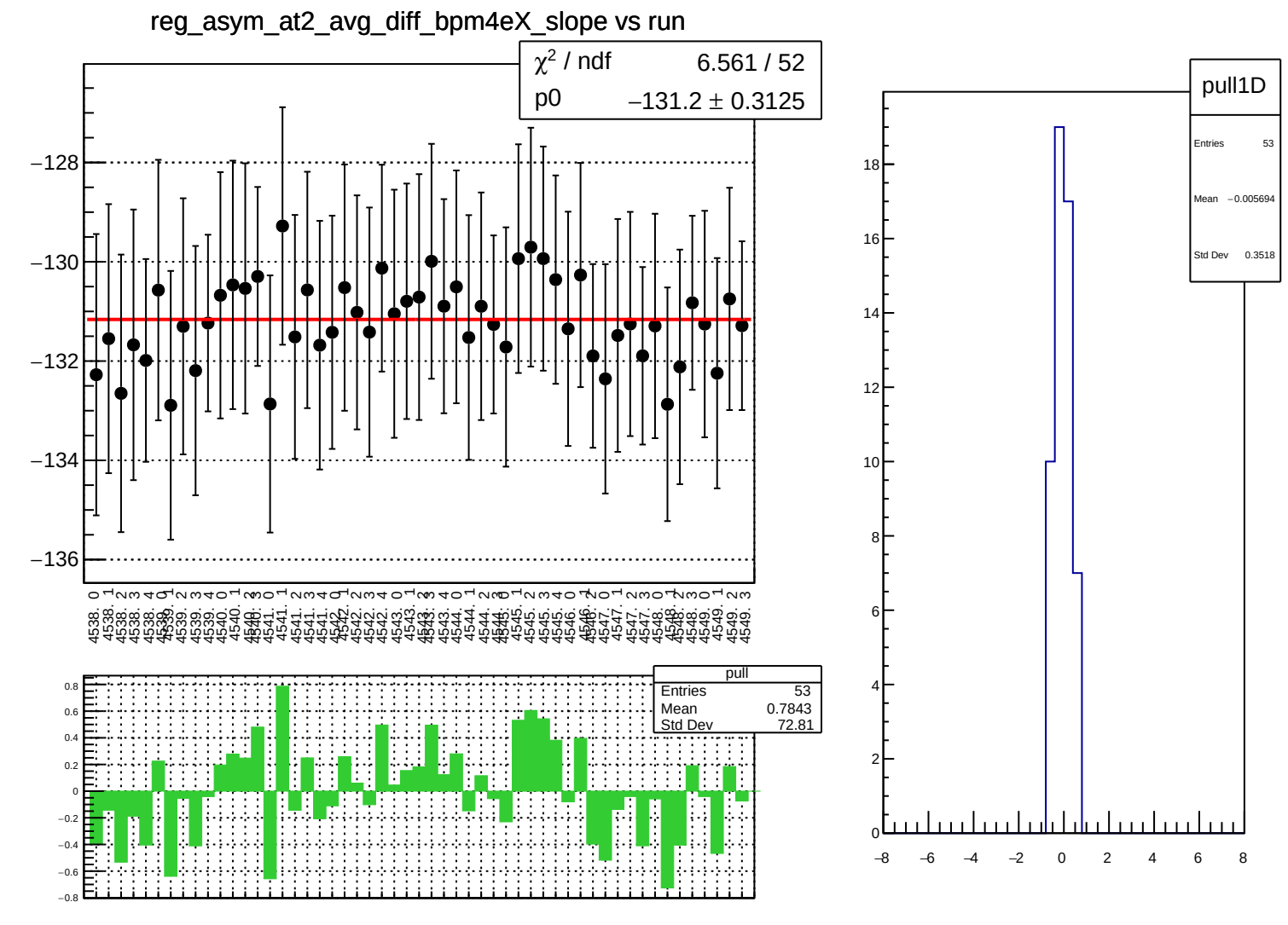

pull1D
Entries 53
Mean 0.02943
Std Dev 0.7332

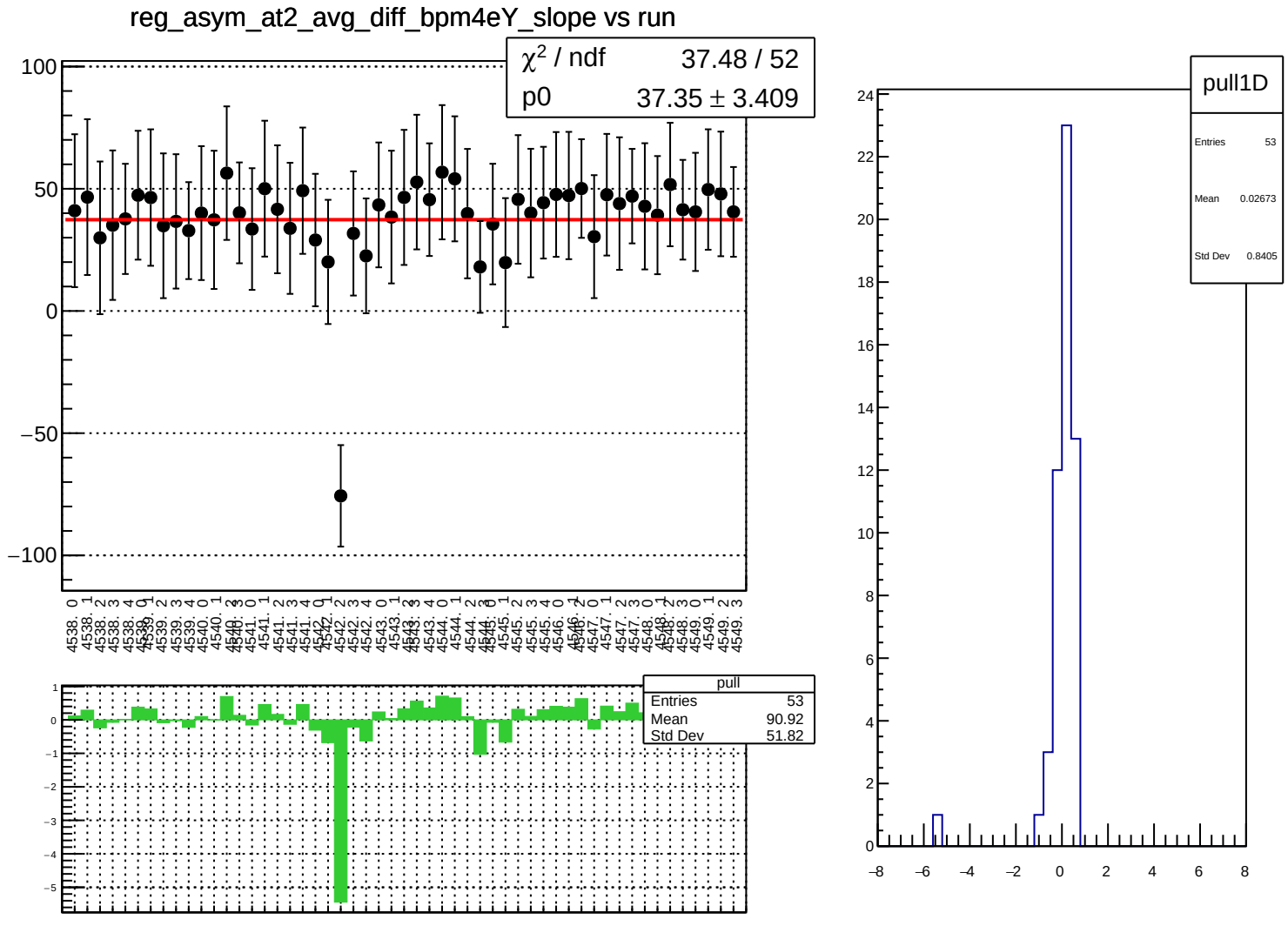

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.328 / 52
p0 3.415 ± 1.904
pull
Entries 53
Mean −455.9
Std Dev 483.8

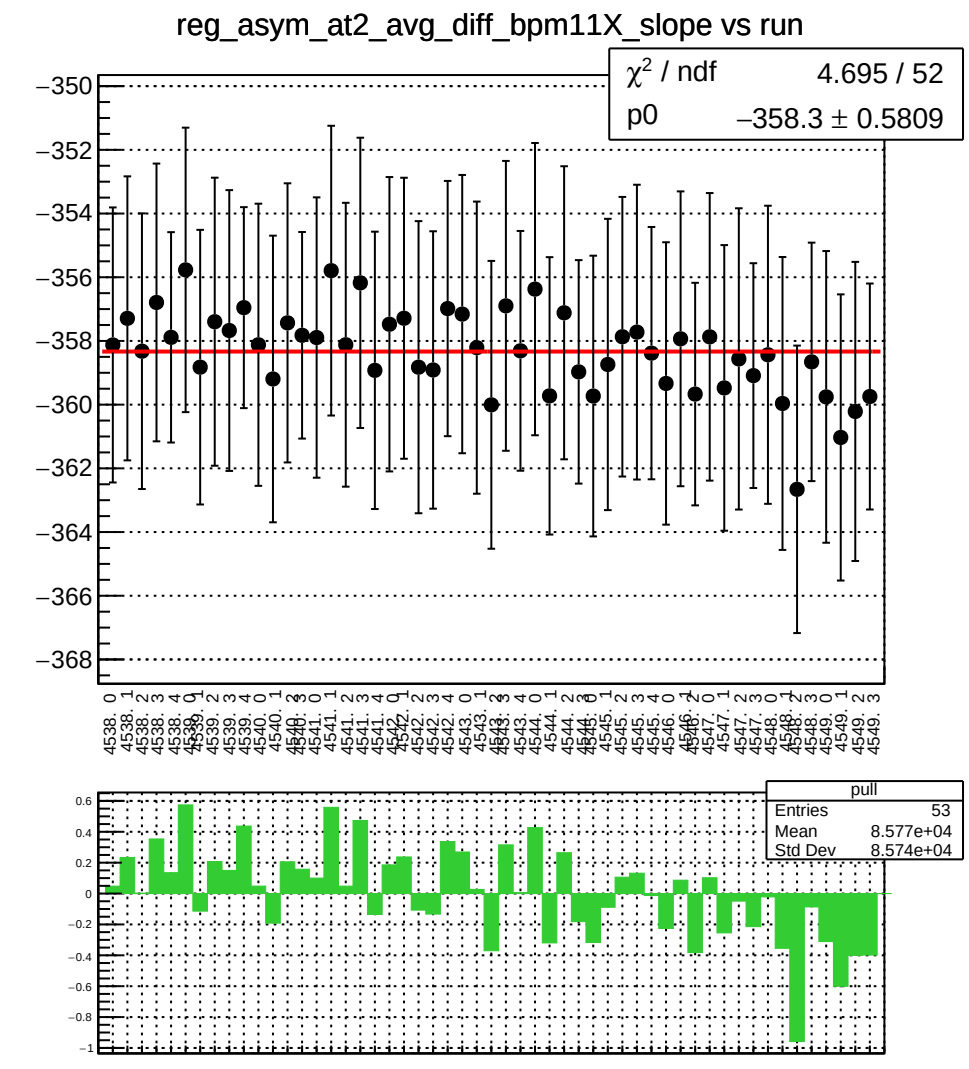

pull1D
Entries 53
Mean −0.002972
Std Dev 0.3171

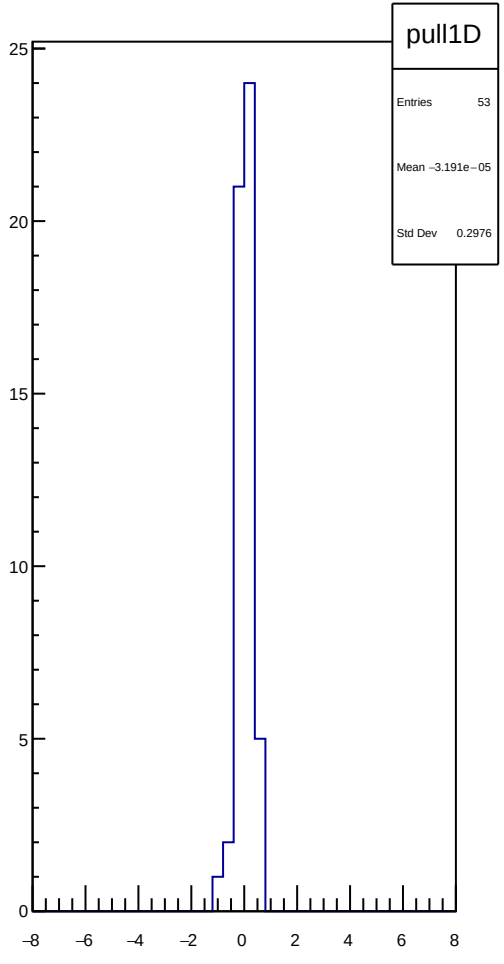

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.65 / 52
p0 41.63 ± 2.532
pull
Entries 53
Mean 87.63
Std Dev 49.07

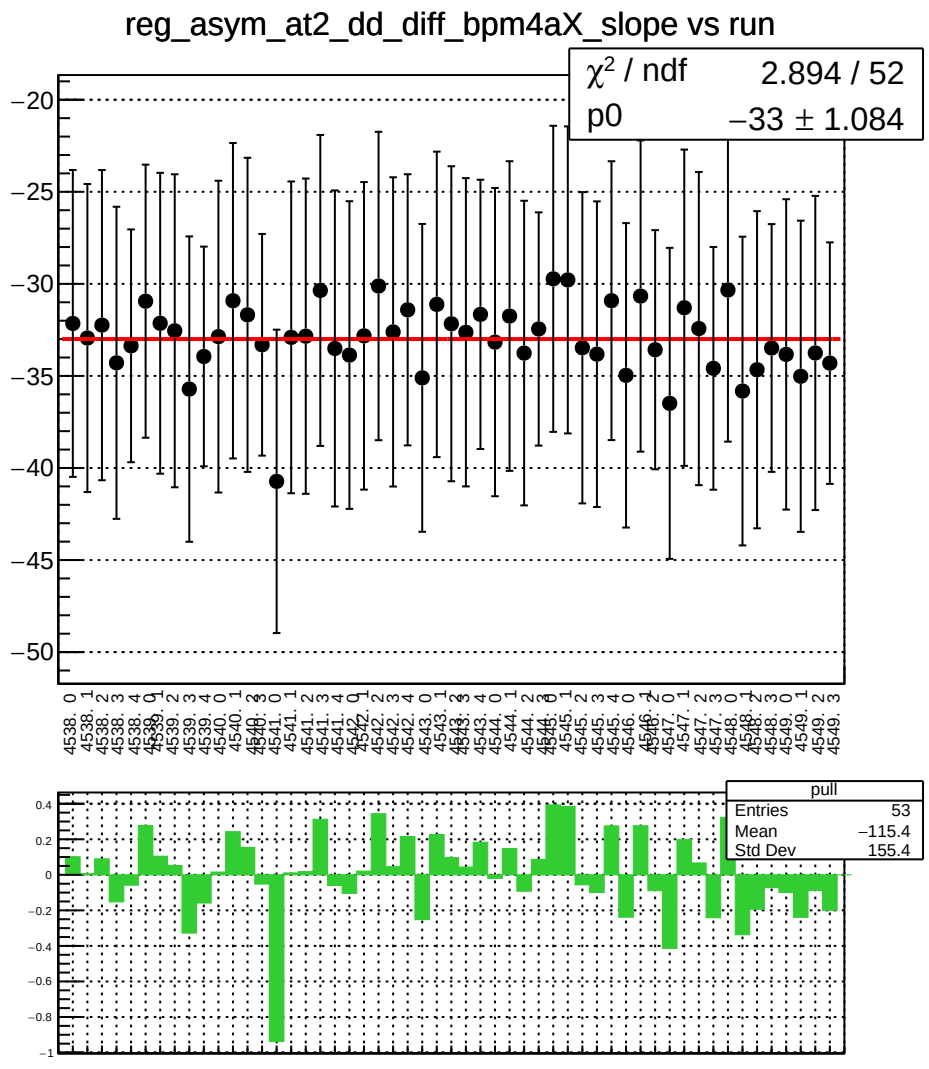

pull1D
Entries 53
Mean −0.02641
Std Dev 0.8311

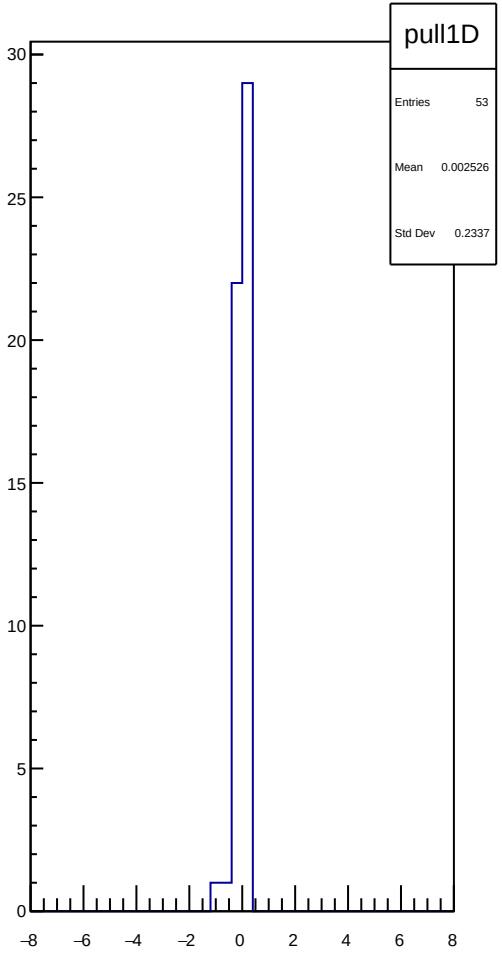

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.561 / 52
p0 −131.2 ± 0.3125
−128
−130
−132
−134
−136
pull
Entries 53
Mean 0.7843
Std Dev 72.81
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 53
Mean −0.005694
Std Dev 0.3518
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

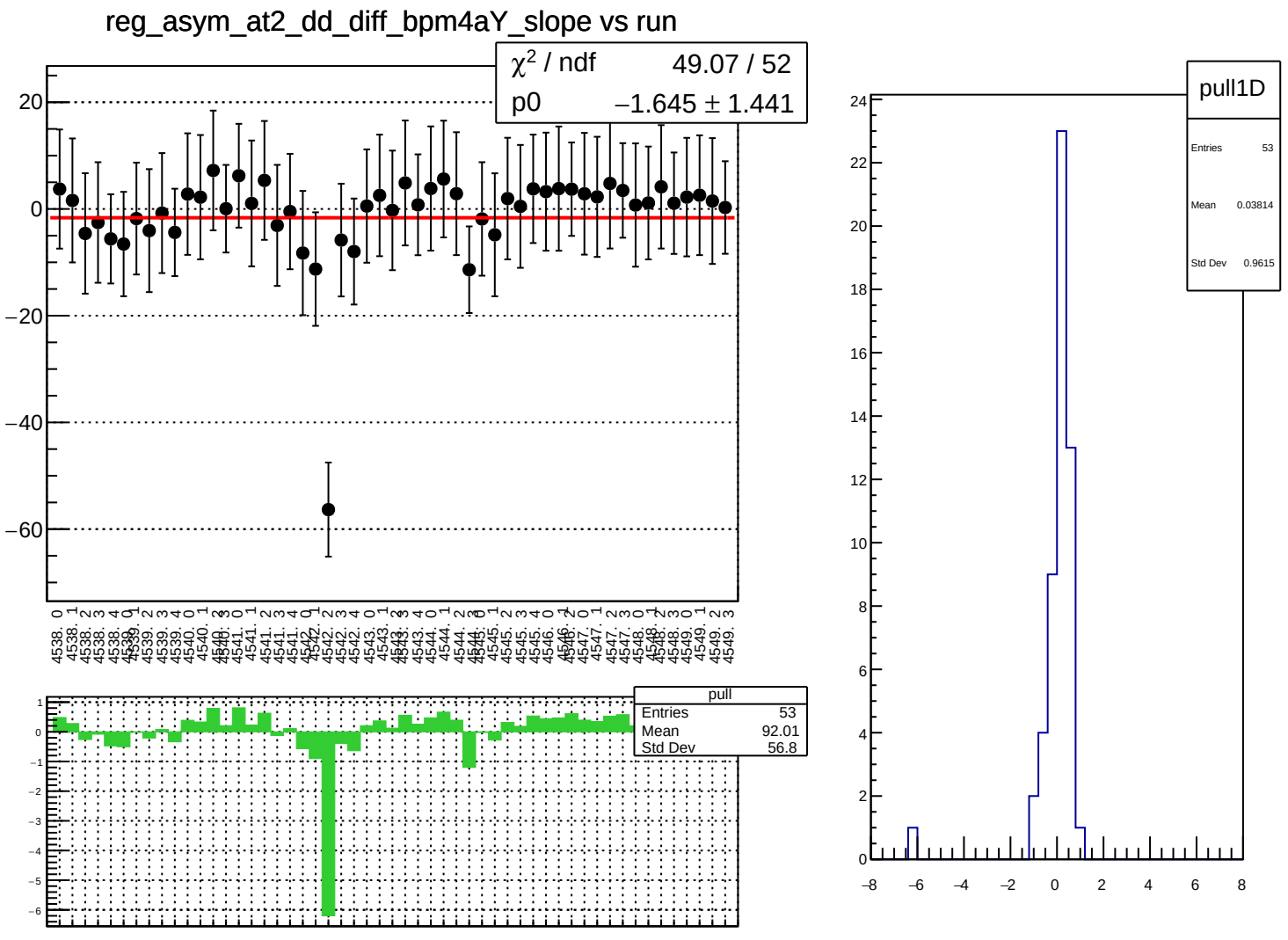

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.48 / 52
p0 37.35 ± 3.409
pull
Entries 53
Mean 90.92
Std Dev 51.82
pull1D
Entries 53
Mean 0.02673
Std Dev 0.8405

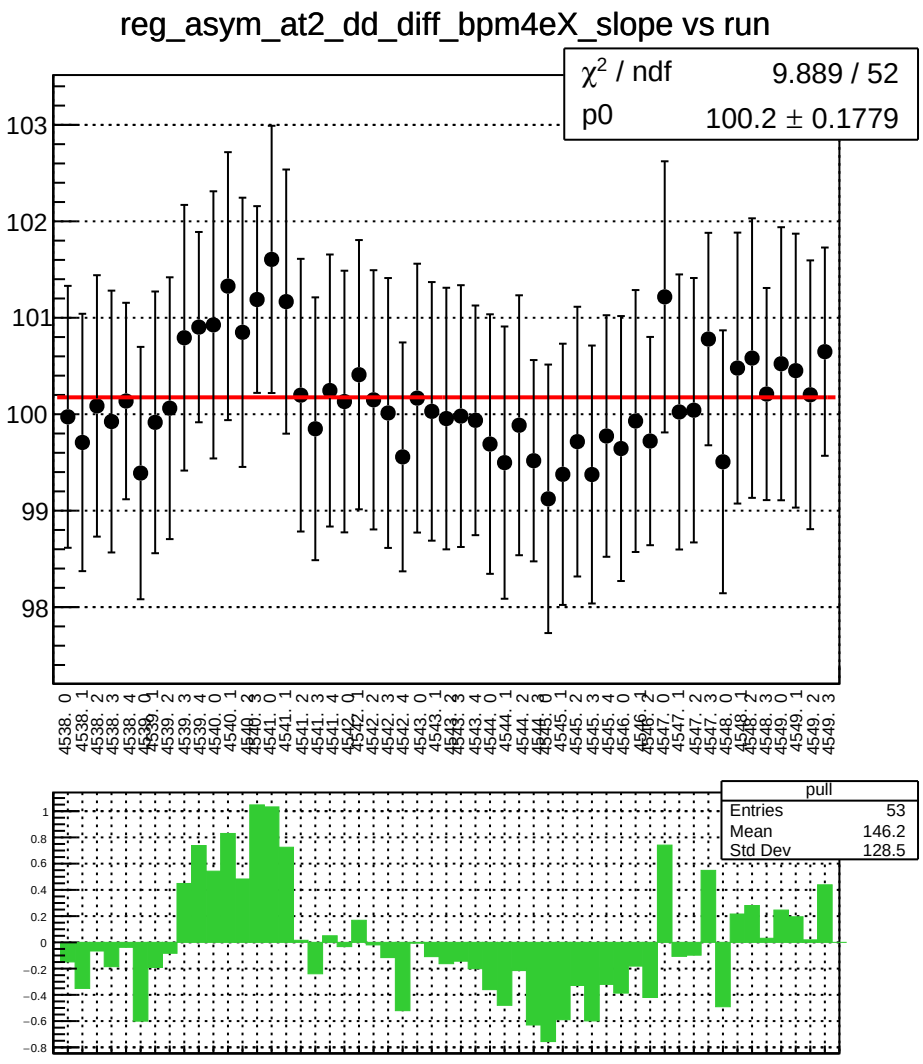

reg_asym_at2_avg_diff_bpm11X_slope vs run
χ² / ndf 4.695 / 52
p0 −358.3 ± 0.5809
pull
Entries 53
Mean 8.577e+04
Std Dev 8.574e+04

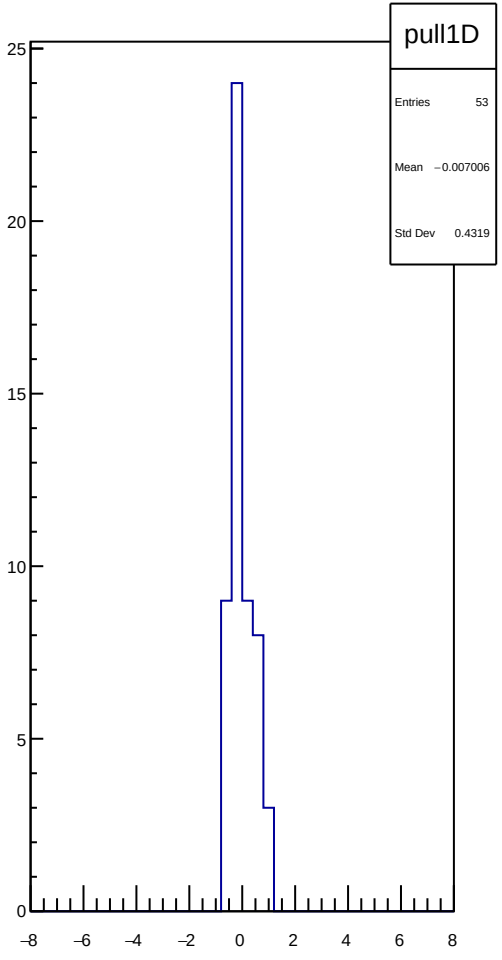

pull1D
Entries 53
Mean −3.191e−05
Std Dev 0.2976

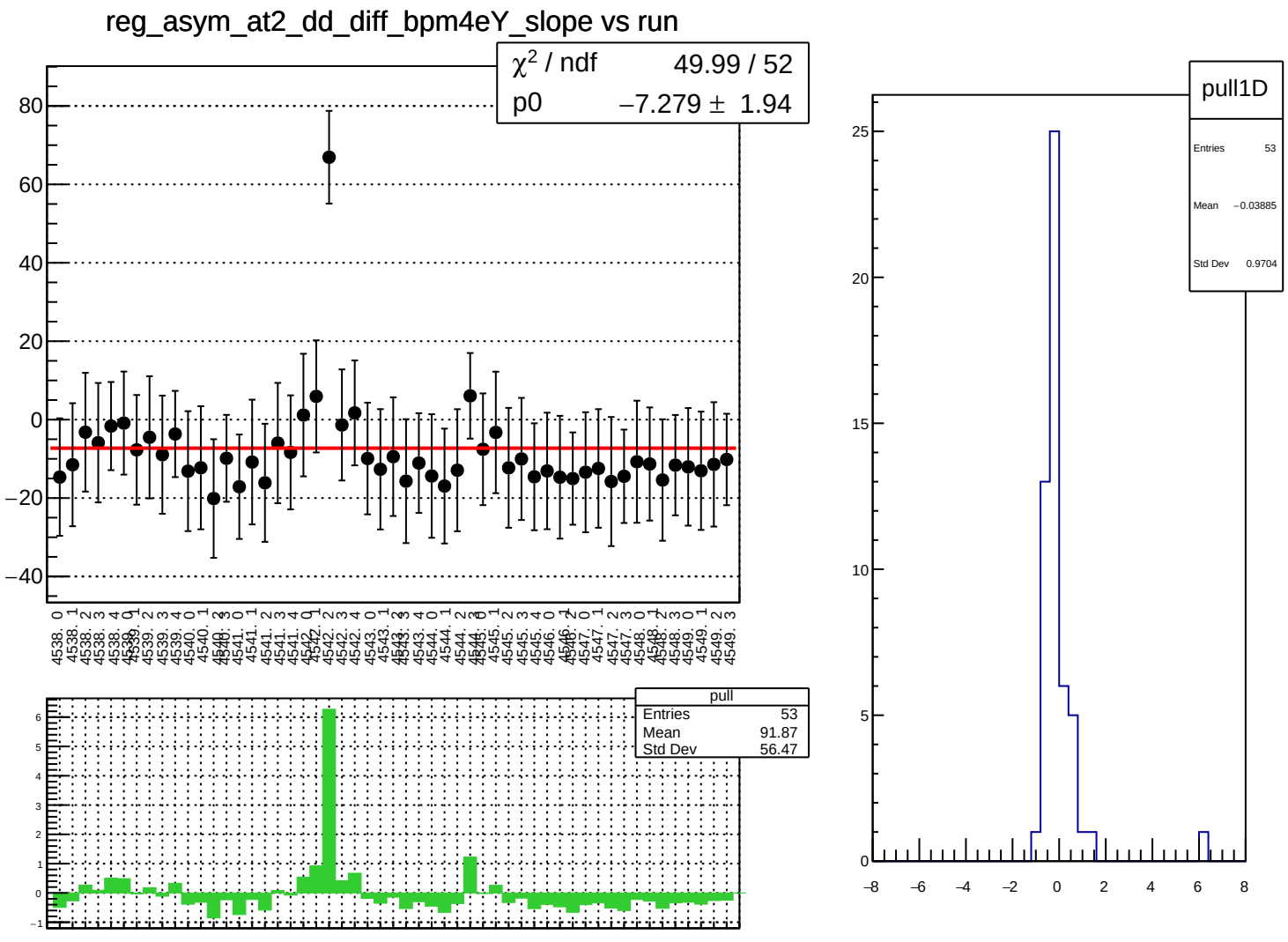

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.894 / 52
p0 −33 ± 1.084
pull
Entries 53
Mean −115.4
Std Dev 155.4

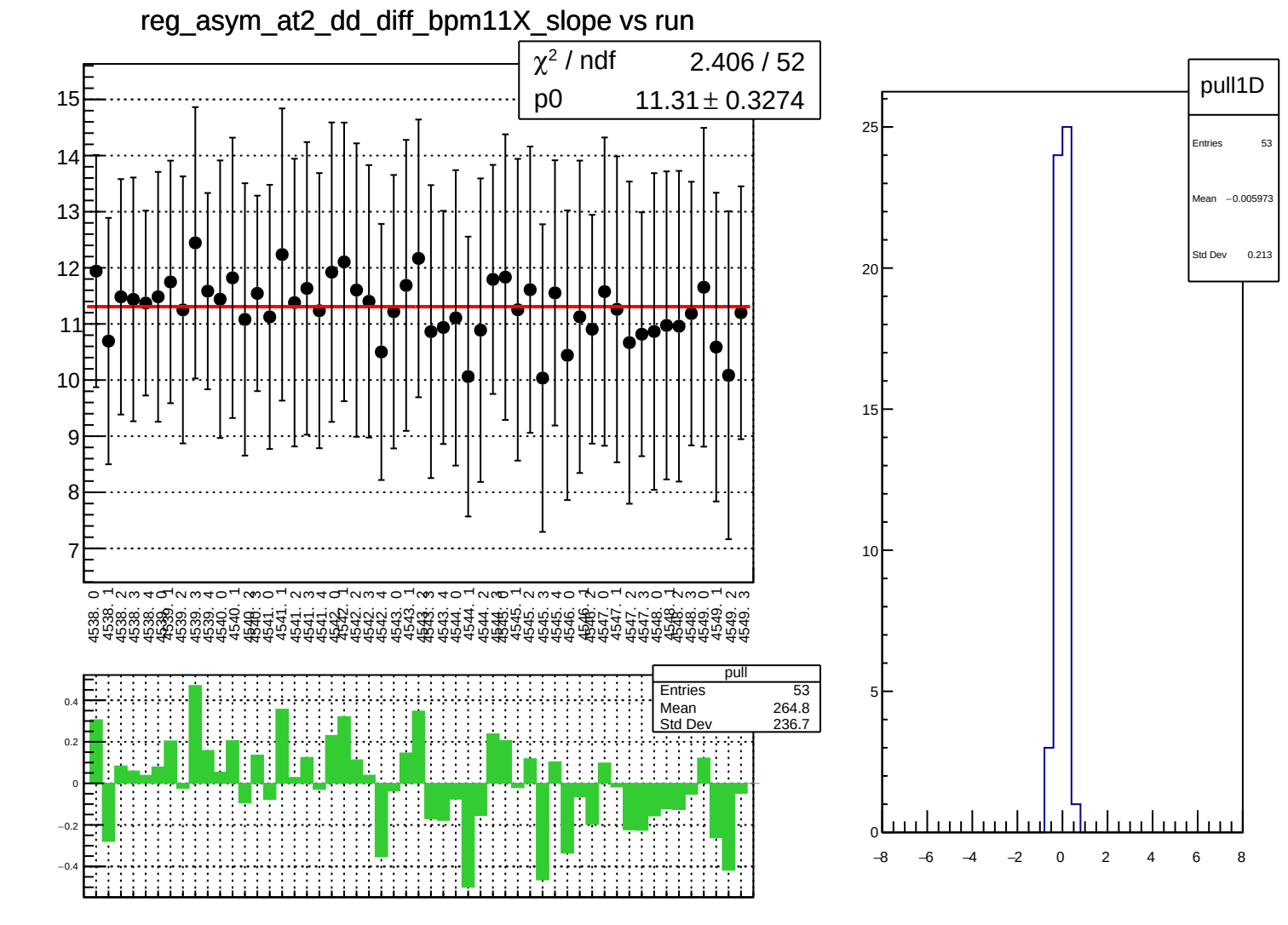

pull1D
Entries 53
Mean 0.002526
Std Dev 0.2337

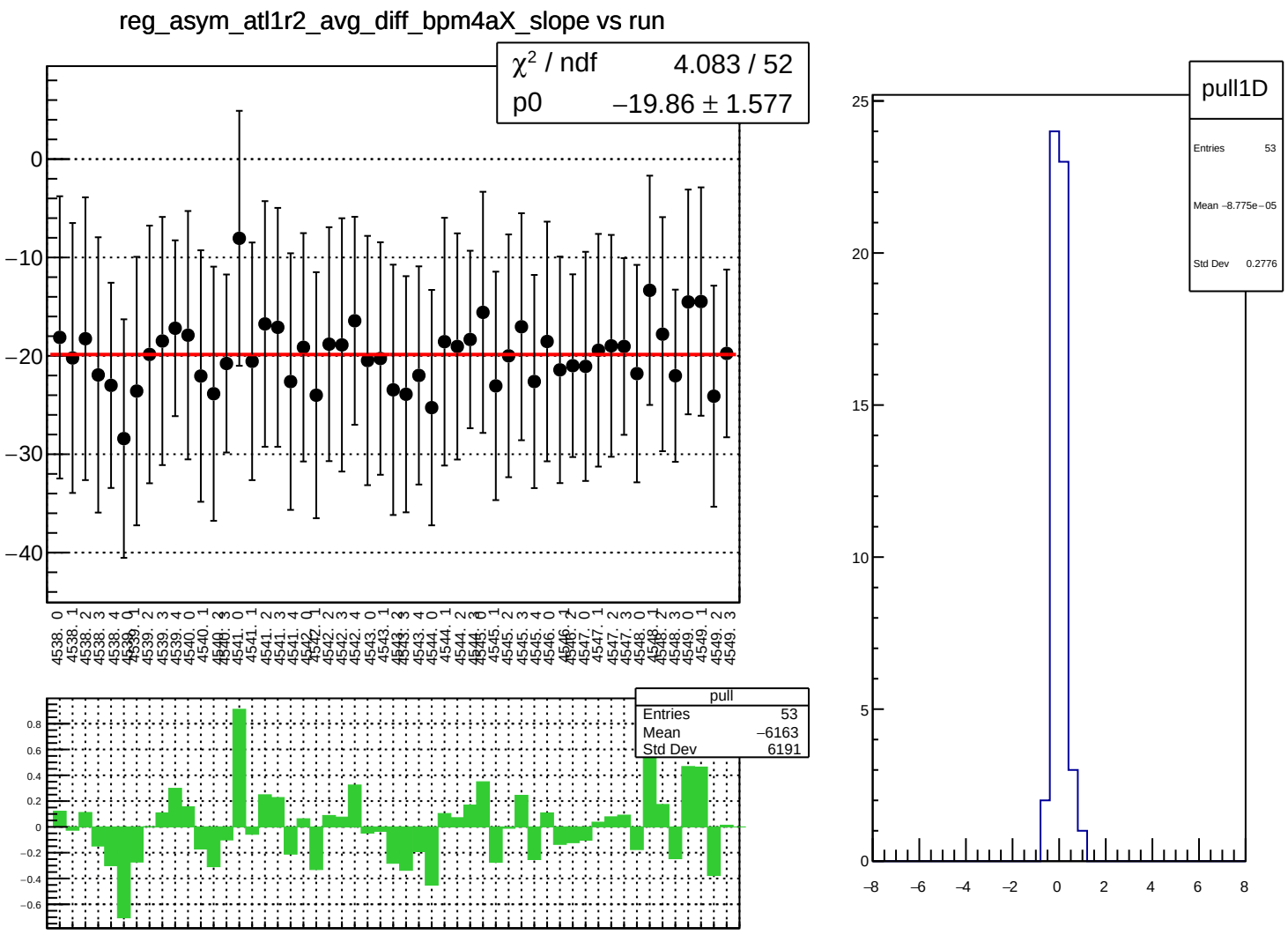

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.07 / 52
p0 −1.645 ± 1.441
pull
Entries 53
Mean 92.01
Std Dev 56.8
pull1D
Entries 53
Mean 0.03814
Std Dev 0.9615

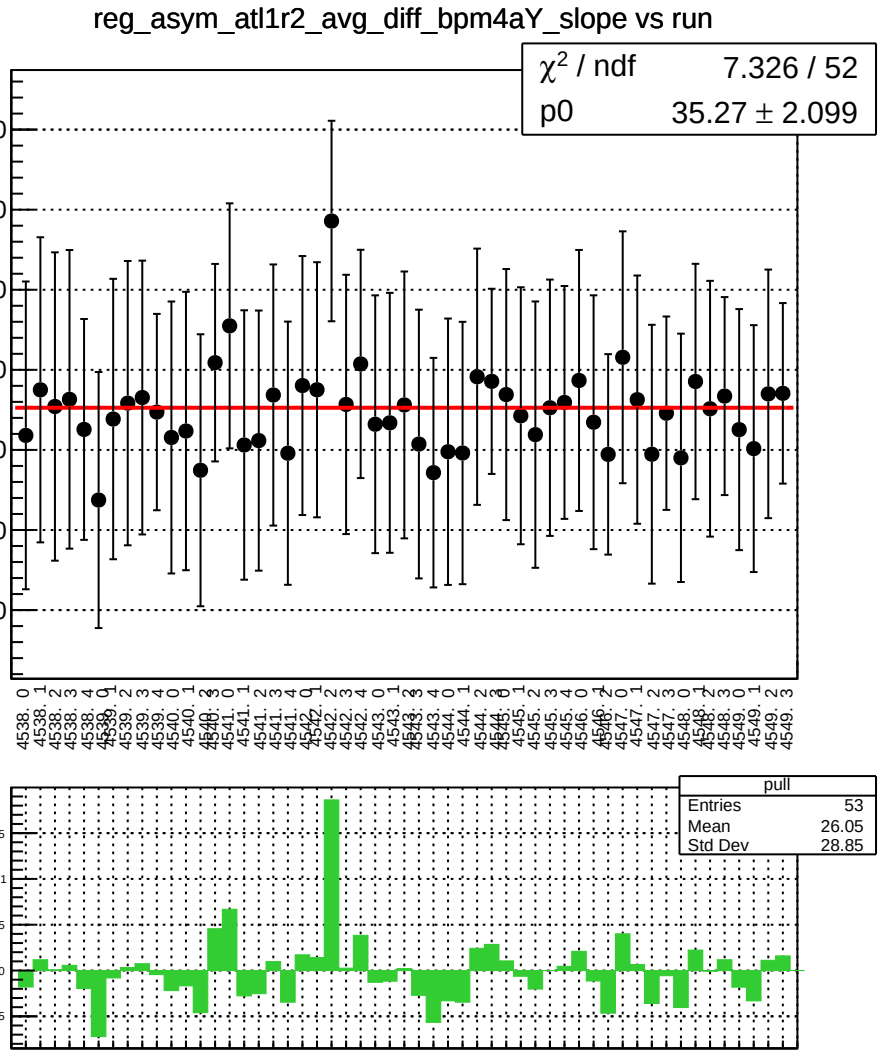

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.889 / 52
p0 100.2 ± 0.1779
pull
Entries 53
Mean 146.2
Std Dev 128.5

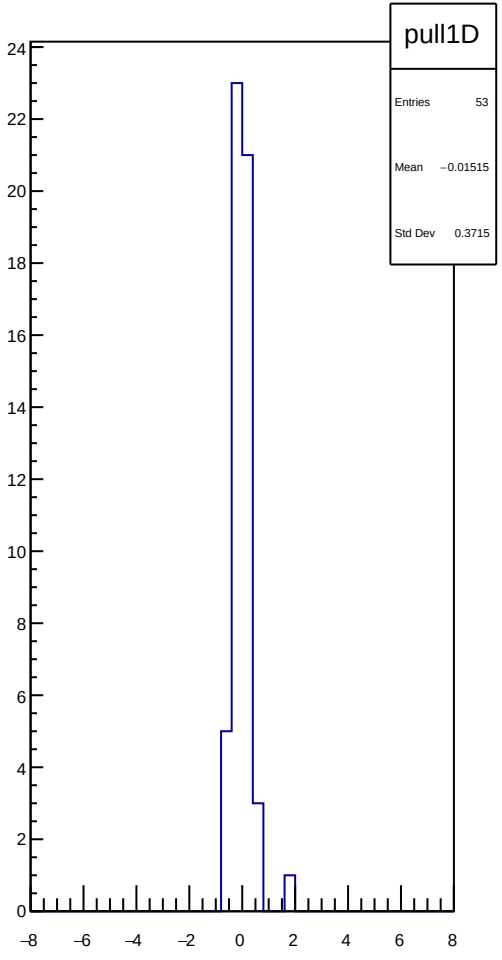

pull1D
Entries 53
Mean −0.007006
Std Dev 0.4319

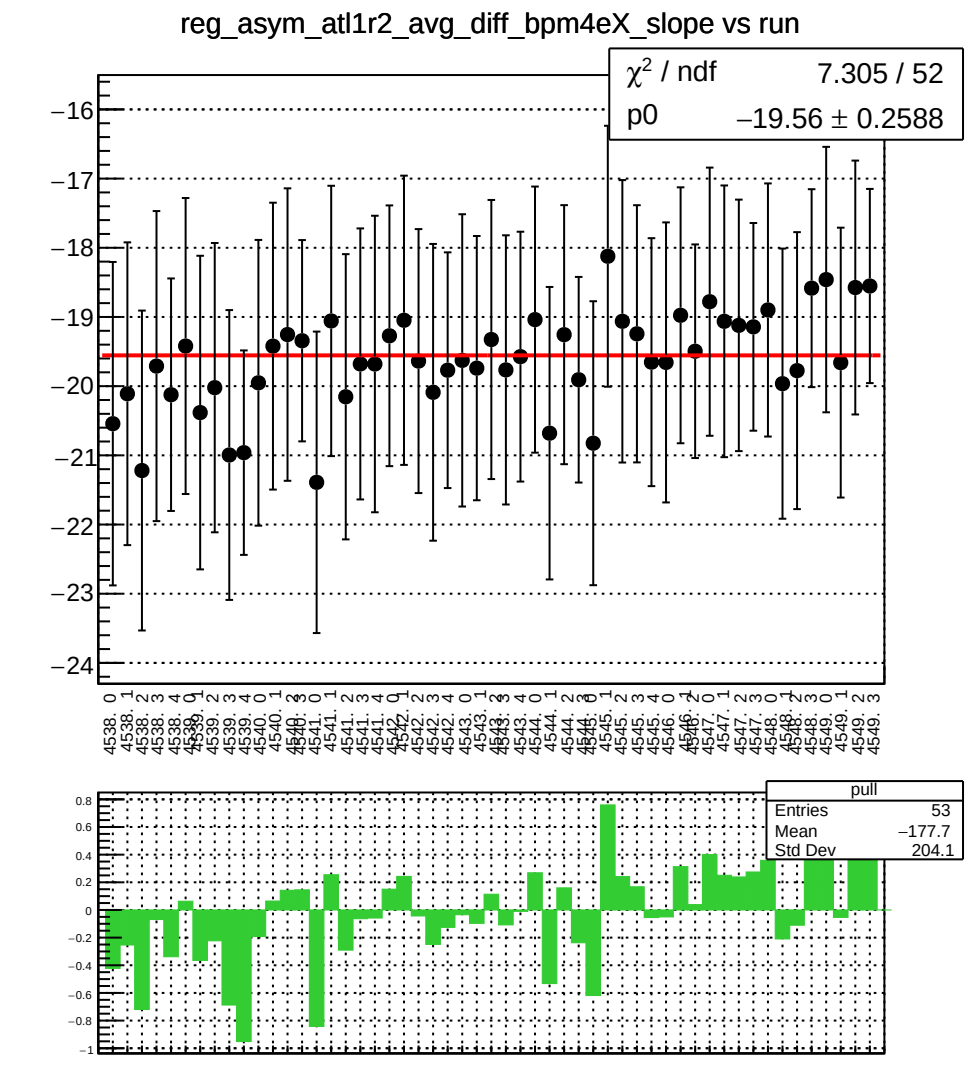

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.99 / 52
p0 −7.279 ± 1.94
pull
Entries 53
Mean 91.87
Std Dev 56.47
pull1D
Entries 53
Mean −0.03885
Std Dev 0.9704

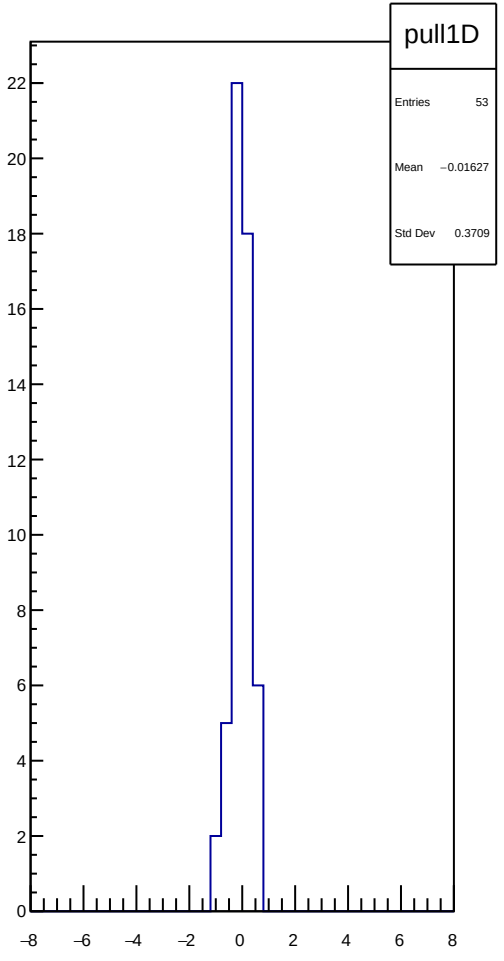

reg_asym_at2_dd_diff_bpm11X_slope vs run
χ² / ndf 2.406 / 52
p0 11.31 ± 0.3274
pull
Entries 53
Mean 264.8
Std Dev 236.7
pull1D
Entries 53
Mean −0.005973
Std Dev 0.213

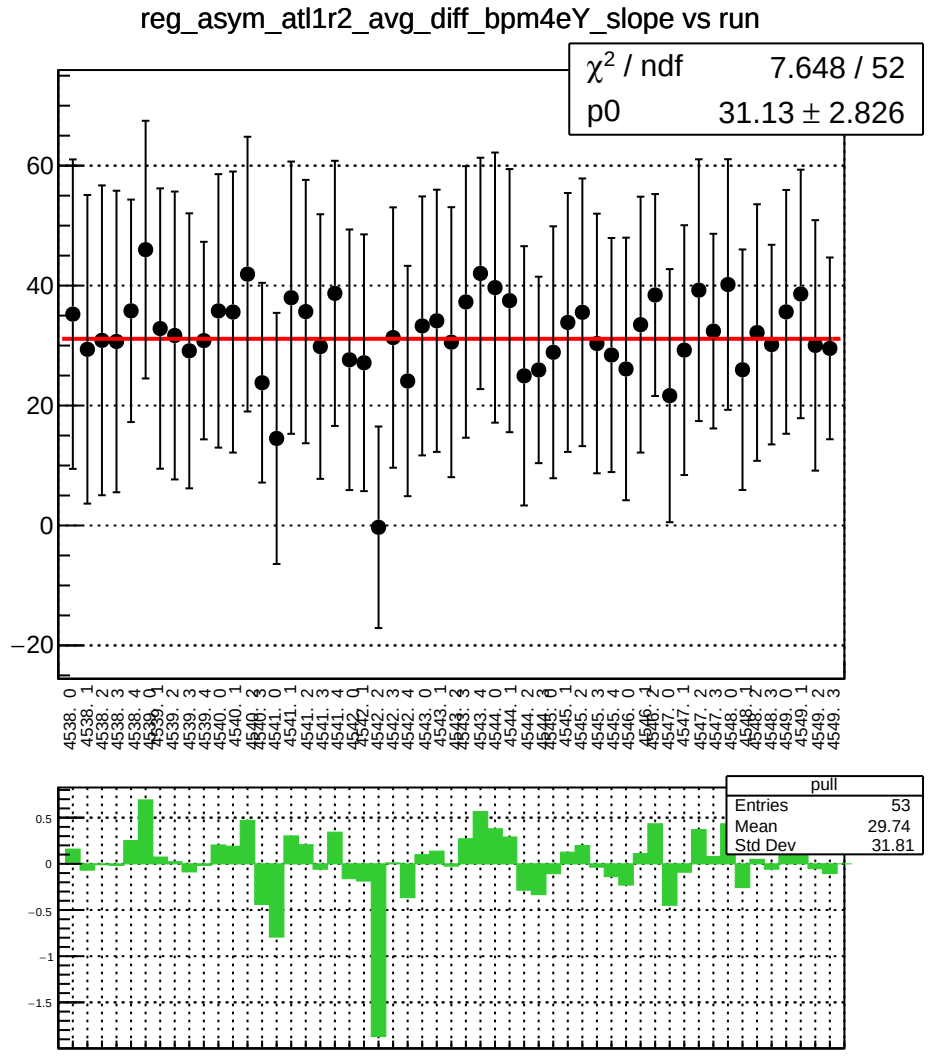

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.083 / 52
p0 −19.86 ± 1.577
pull
Entries 53
Mean −6163
Std Dev 6191
pull1D
Entries 53
Mean −8.775e−05
Std Dev 0.2776

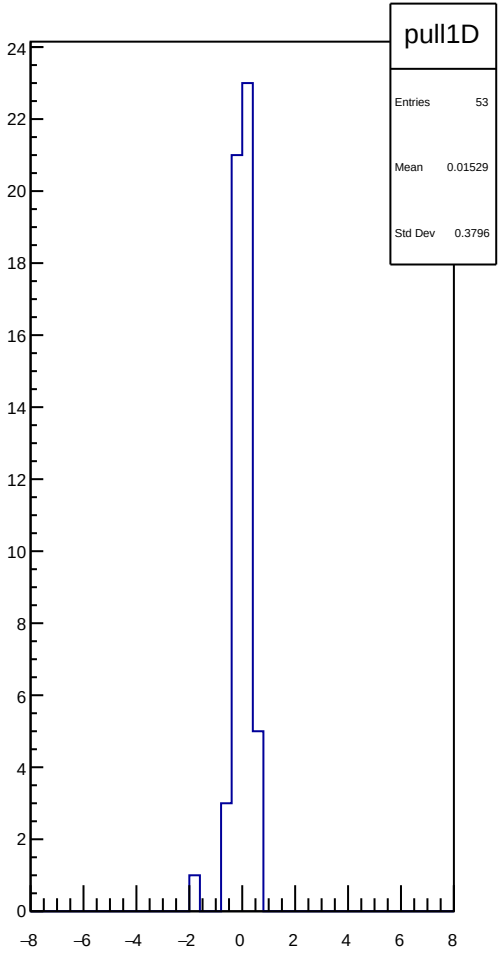

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.326 / 52
p0 35.27 ± 2.099
pull
Entries 53
Mean 26.05
Std Dev 28.85

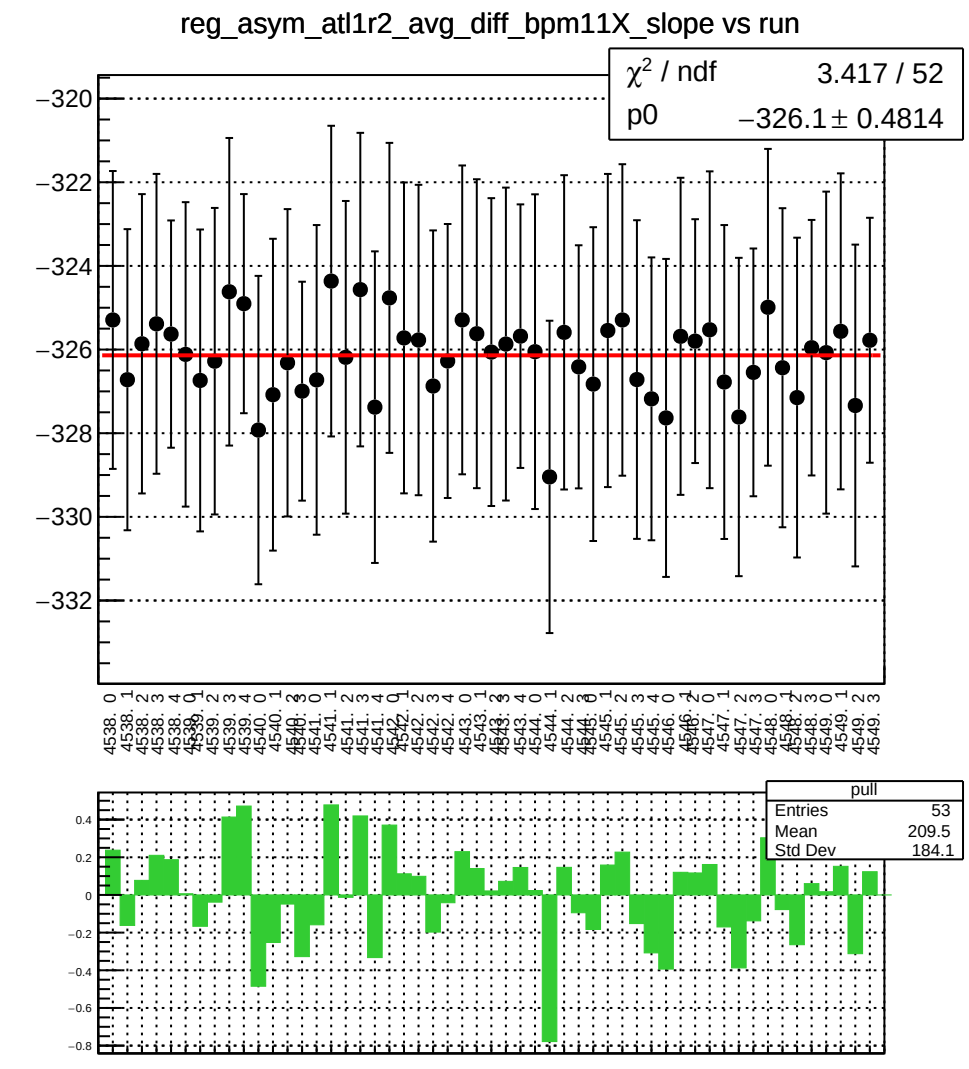

pull1D
Entries 53
Mean −0.01515
Std Dev 0.3715

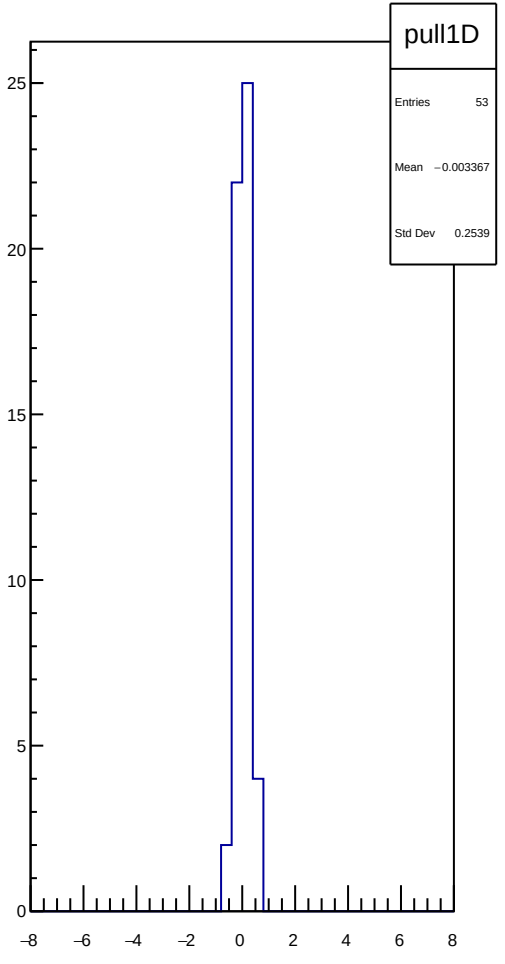

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.305 / 52
p0 −19.56 ± 0.2588
pull
Entries 53
Mean −177.7
Std Dev 204.1

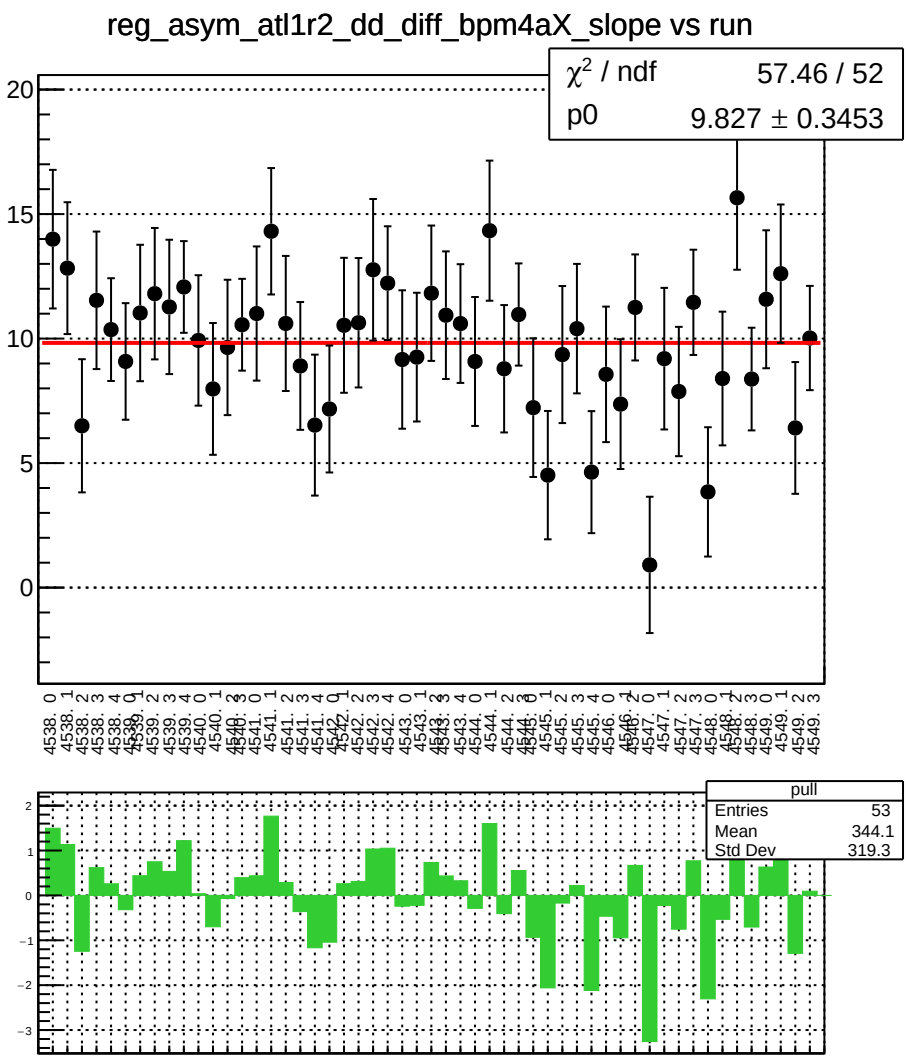

pull1D
Entries 53
Mean −0.01627
Std Dev 0.3709

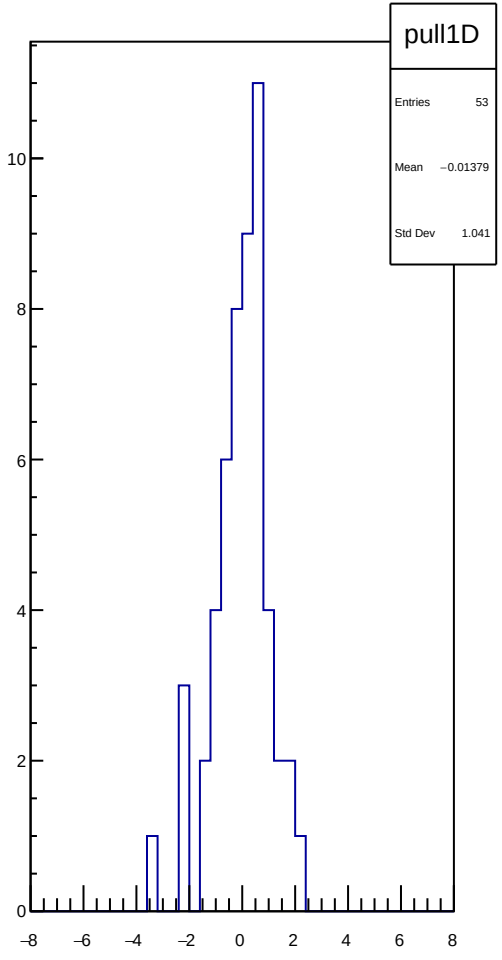

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.648 / 52
p0 31.13 ± 2.826
pull
Entries 53
Mean 29.74
Std Dev 31.81

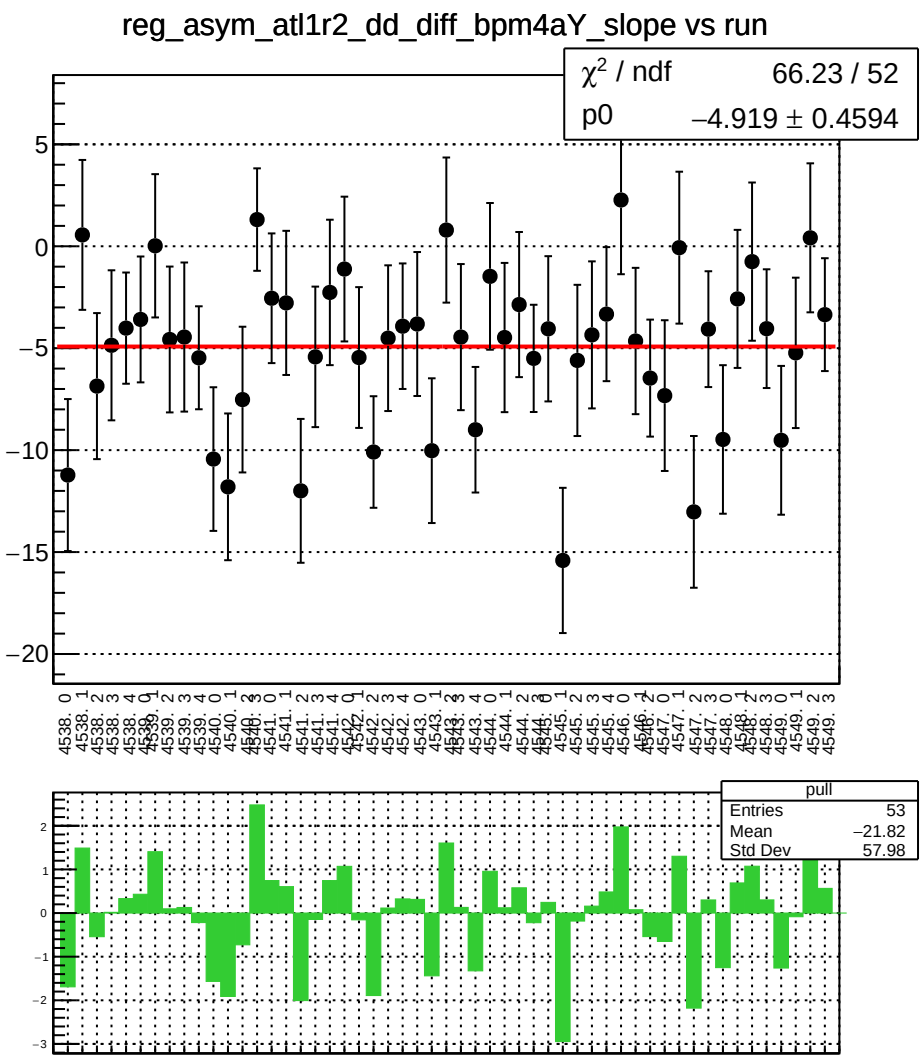

pull1D
Entries 53
Mean 0.01529
Std Dev 0.3796

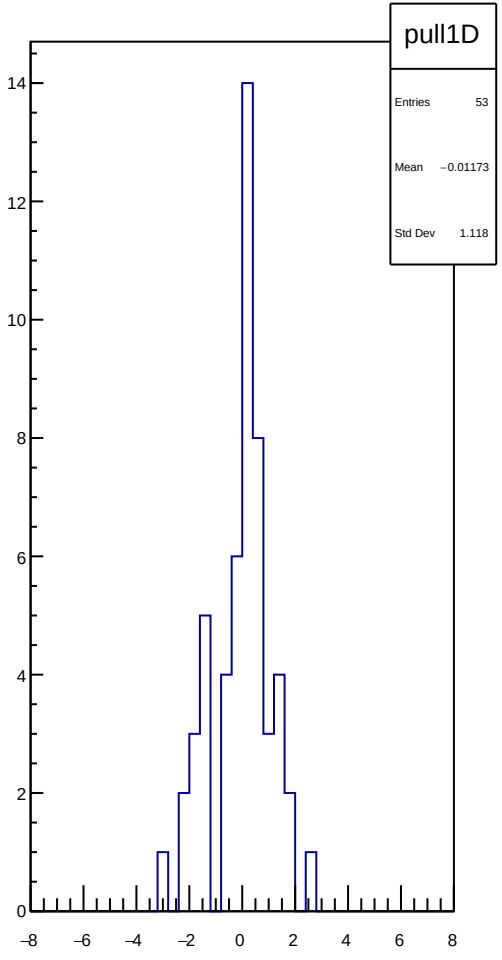

reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ² / ndf 3.417 / 52
p0 −326.1 ± 0.4814
pull
Entries 53
Mean 209.5
Std Dev 184.1

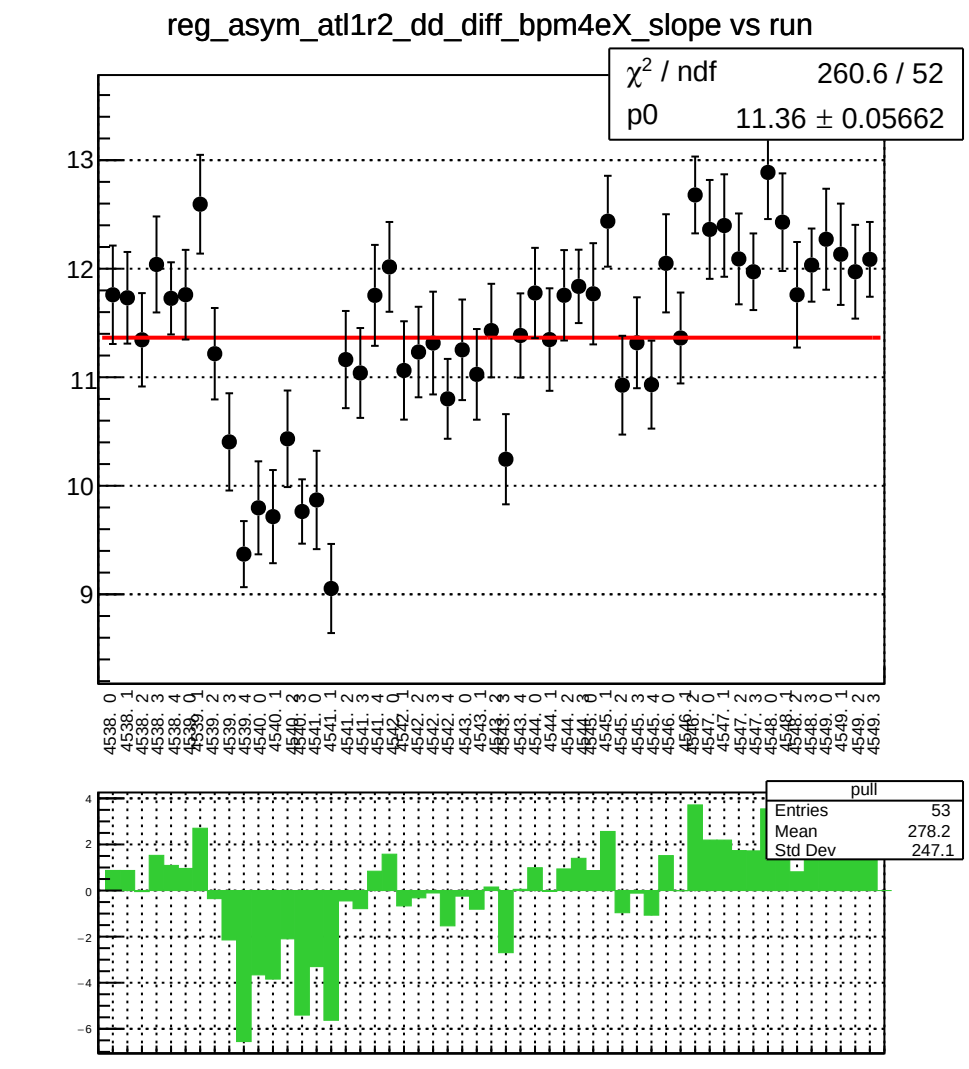

pull1D
Entries 53
Mean −0.003367
Std Dev 0.2539

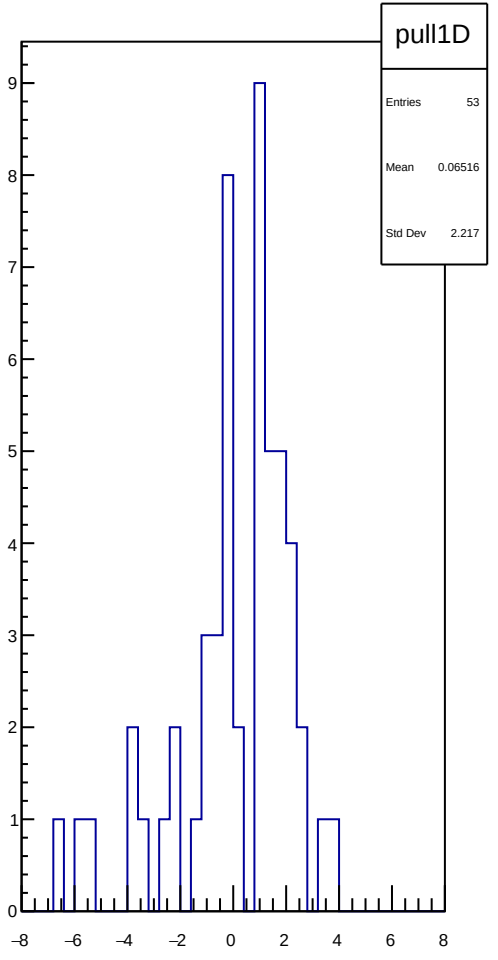

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 57.46 / 52
p0 9.827 ± 0.3453
pull
Entries 53
Mean 344.1
Std Dev 319.3

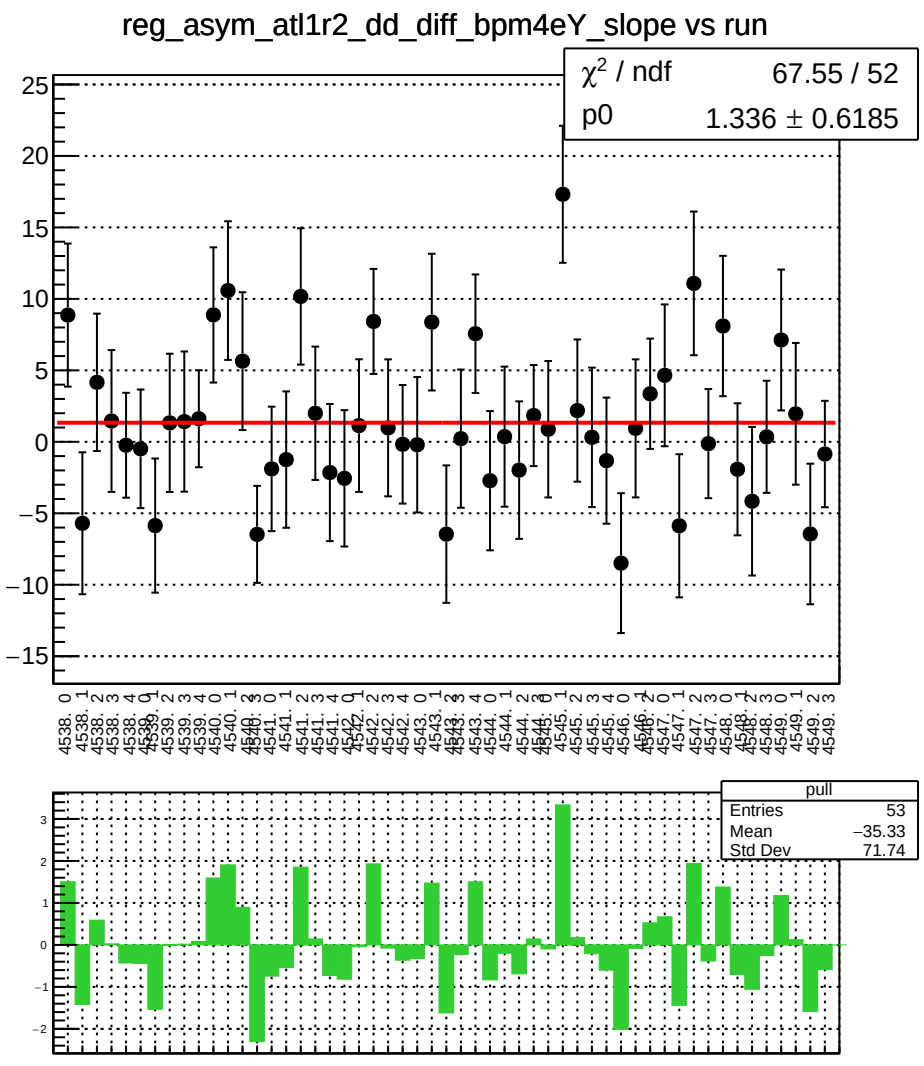

pull1D
Entries 53
Mean −0.01379
Std Dev 1.041

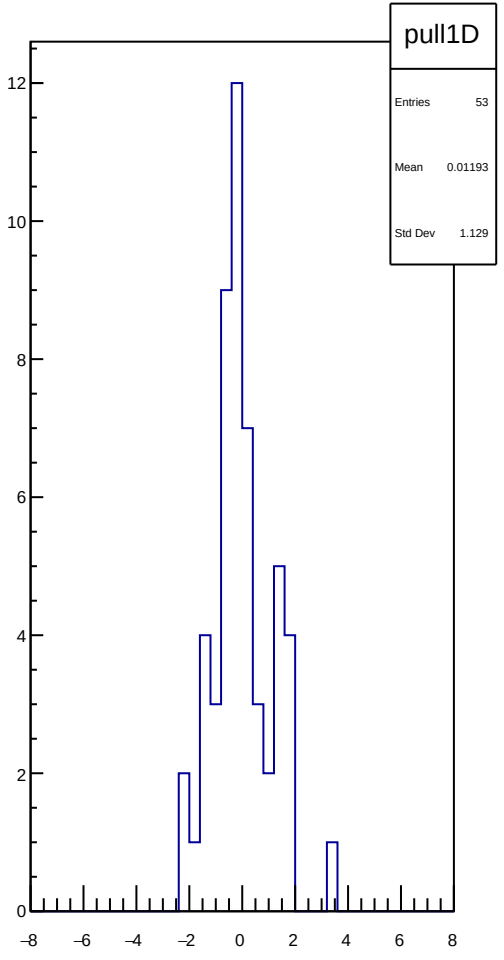

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.23 / 52
p0 −4.919 ± 0.4594
pull
Entries 53
Mean −21.82
Std Dev 57.98

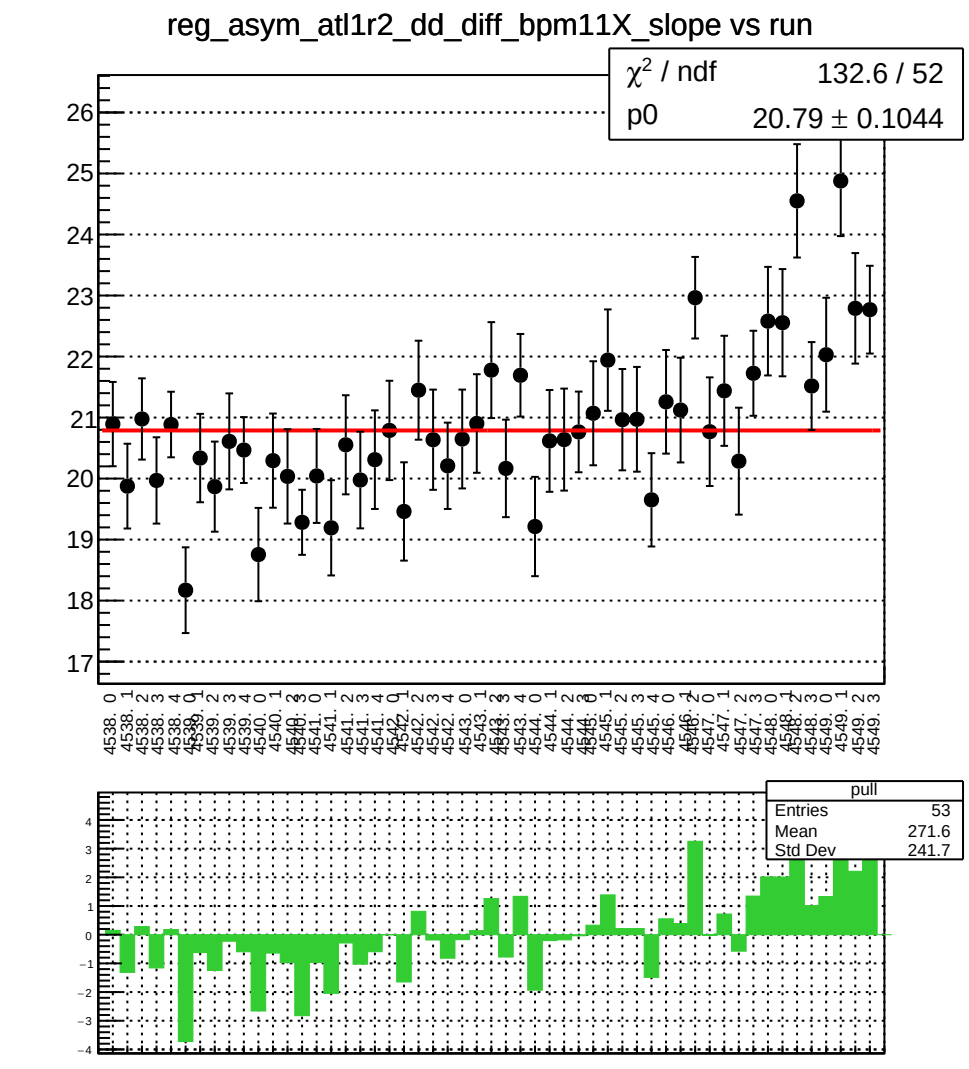

pull1D
Entries 53
Mean −0.01173
Std Dev 1.118

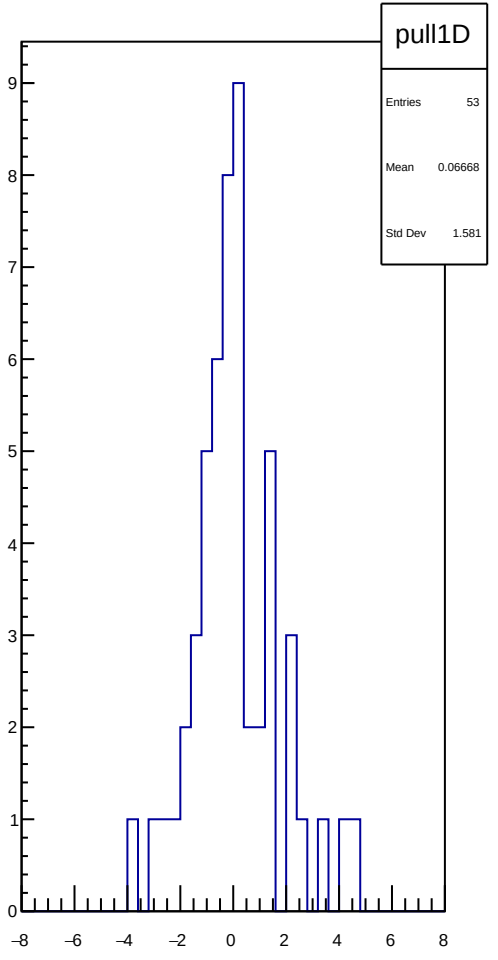

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 260.6 / 52
p0 11.36 ± 0.05662
pull
Entries 53
Mean 278.2
Std Dev 247.1

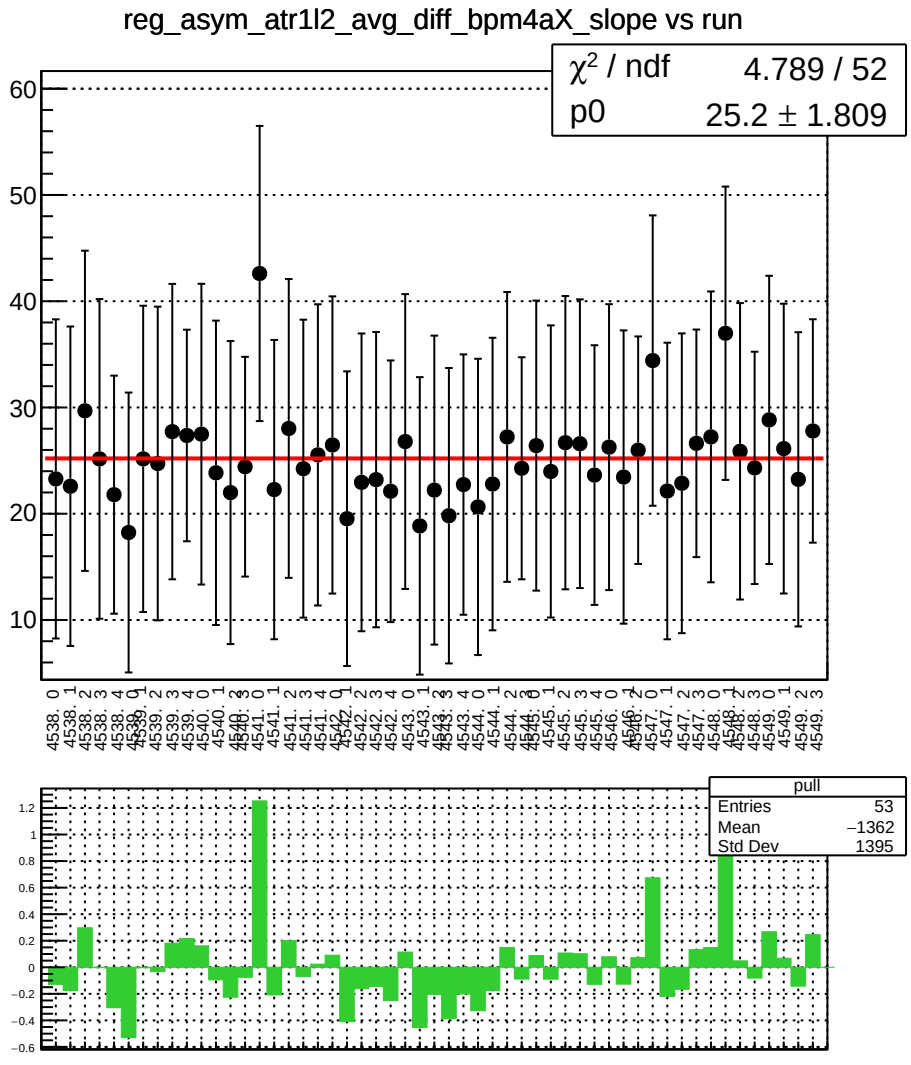

pull1D
Entries 53
Mean 0.06516
Std Dev 2.217

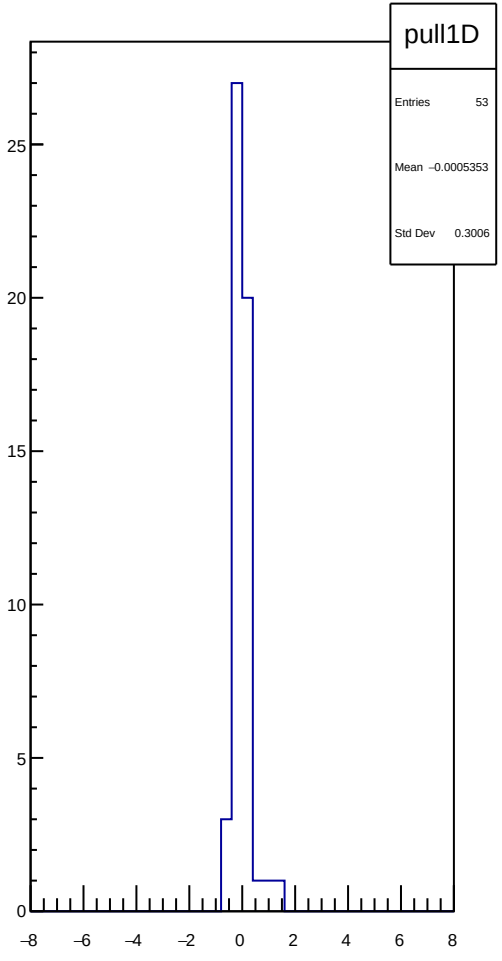

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.55 / 52
p0 1.336 ± 0.6185
pull
Entries 53
Mean −35.33
Std Dev 71.74

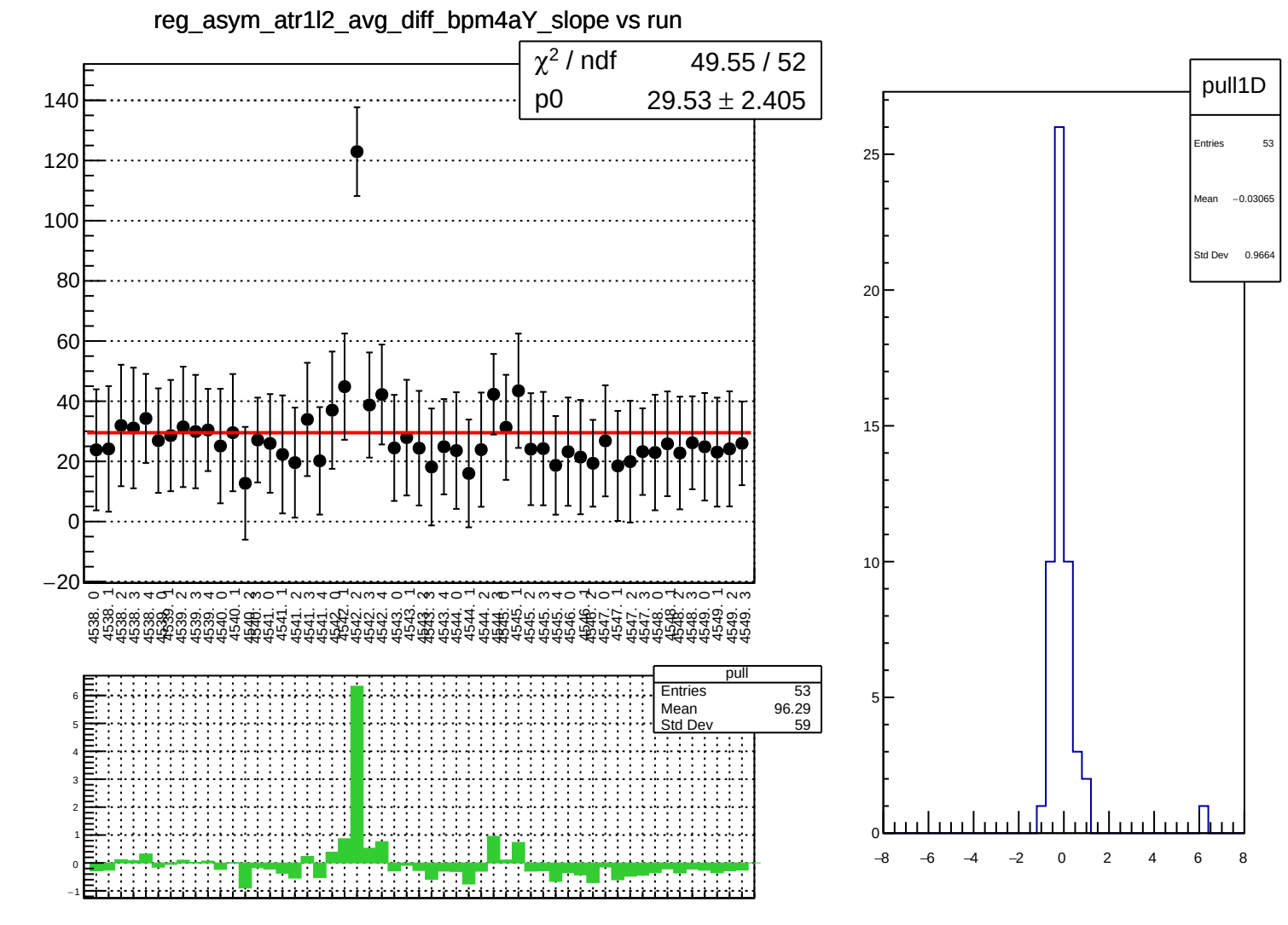

pull1D
Entries 53
Mean 0.01193
Std Dev 1.129

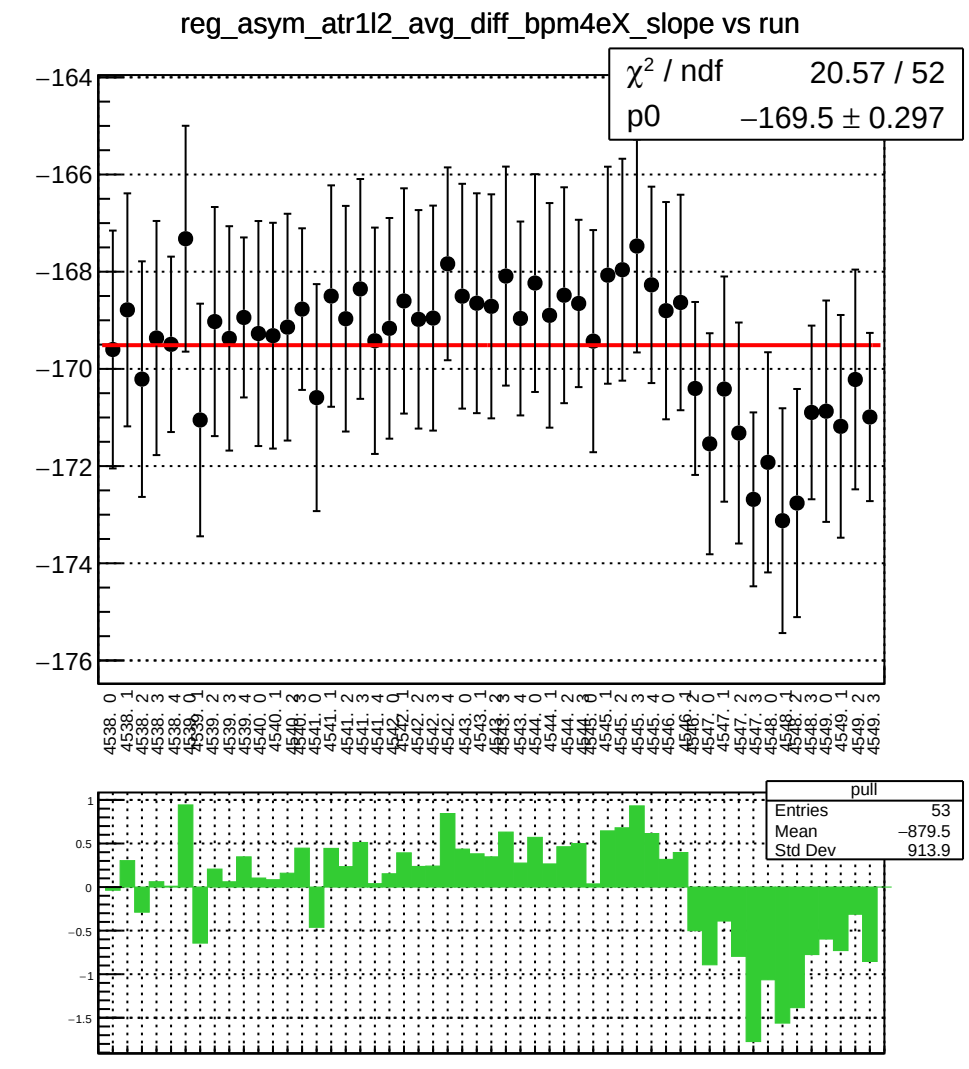

reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ² / ndf 132.6 / 52
p0 20.79 ± 0.1044
pull
Entries 53
Mean 271.6
Std Dev 241.7

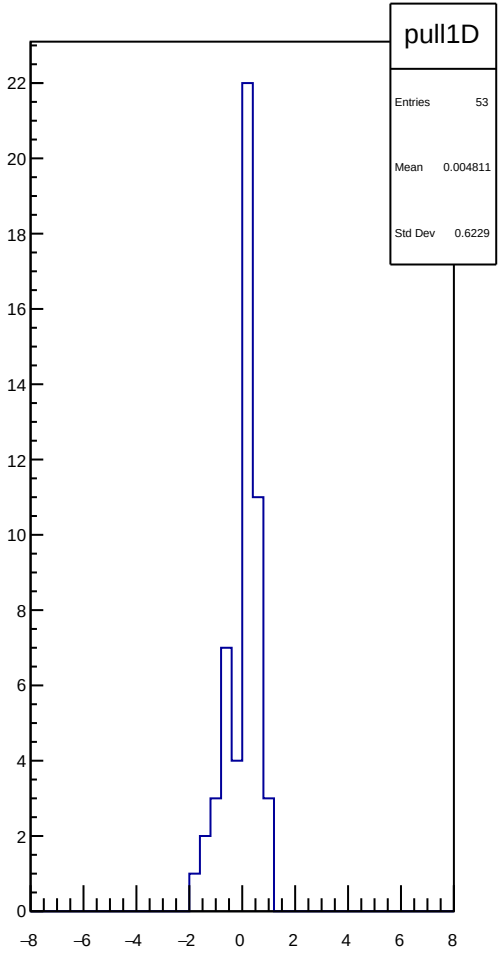

pull1D
Entries 53
Mean 0.06668
Std Dev 1.581

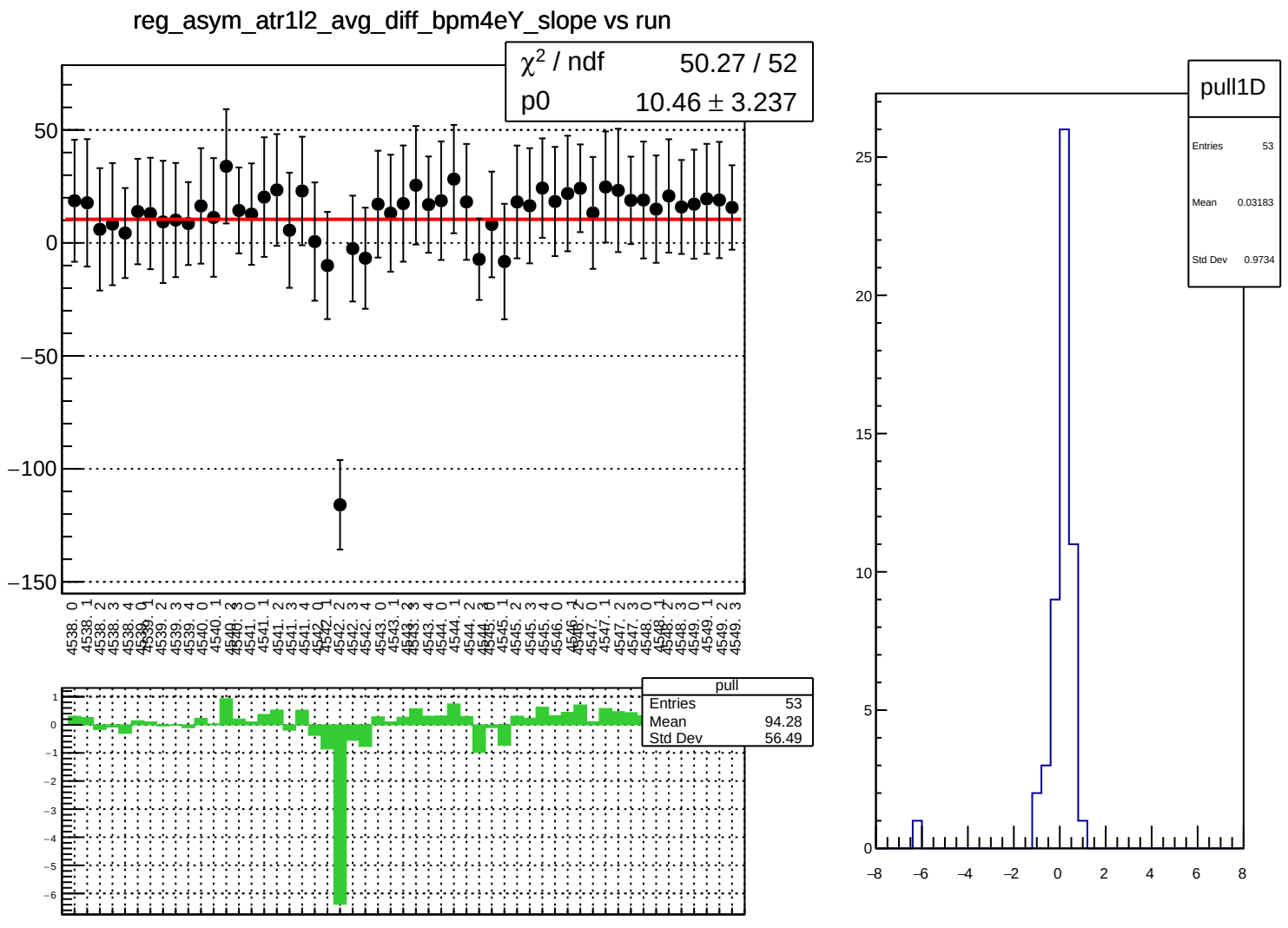

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.789 / 52
p0 25.2 ± 1.809
pull
Entries 53
Mean −1362
Std Dev 1395

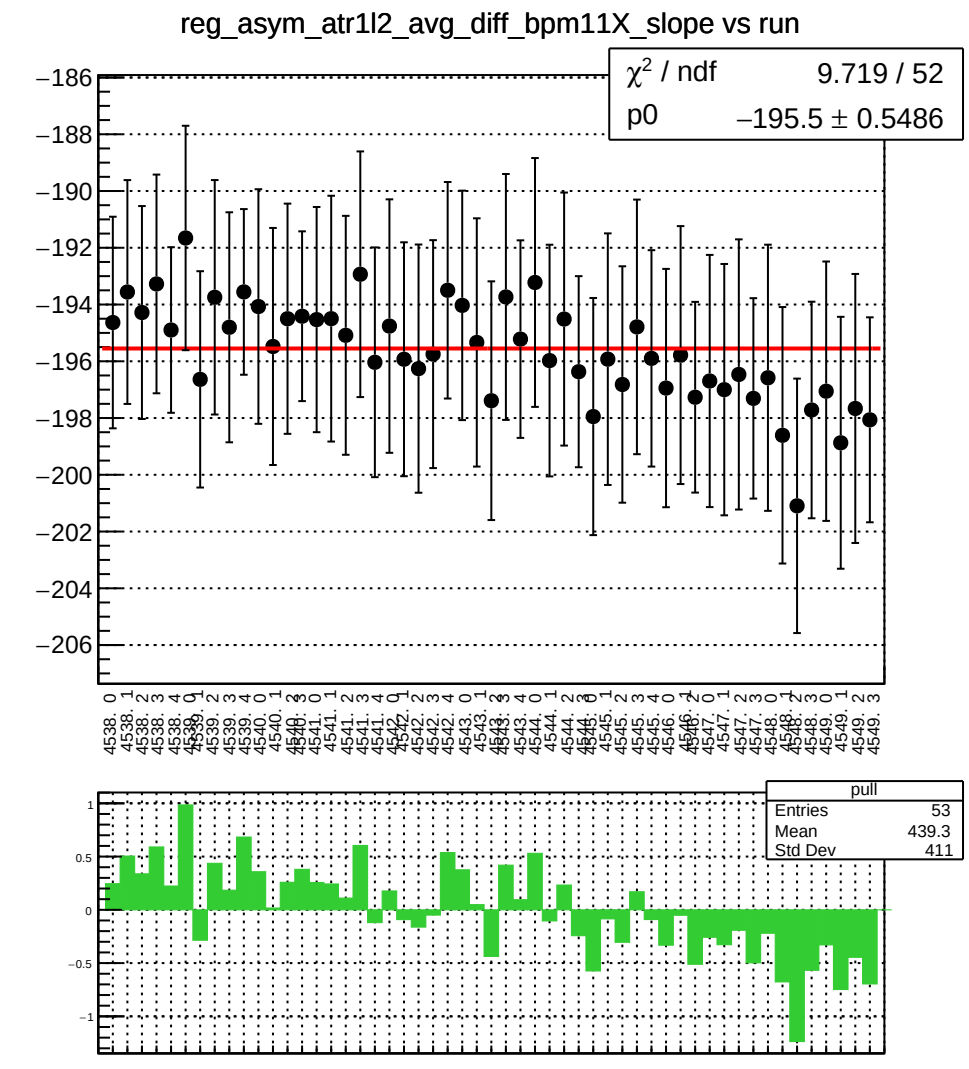

pull1D
Entries 53
Mean −0.0005353
Std Dev 0.3006

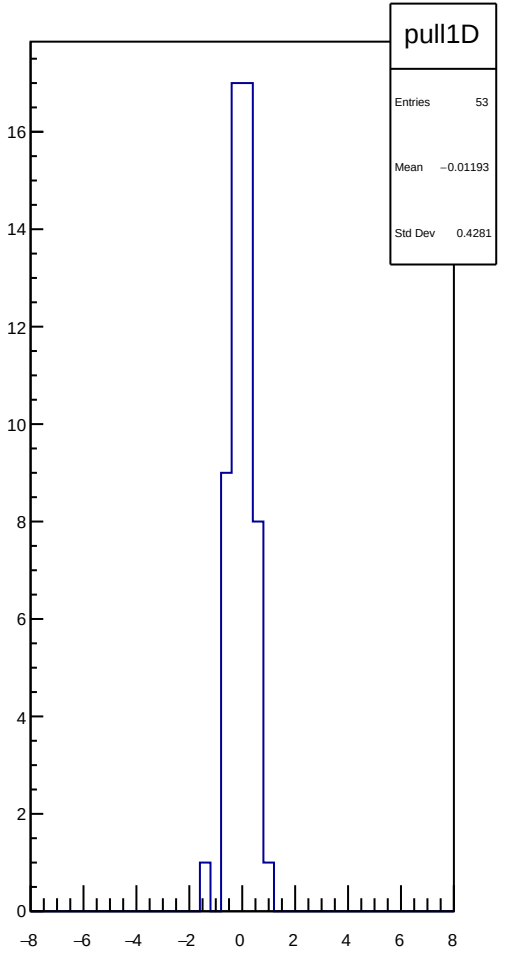

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.55 / 52
p0 29.53 ± 2.405
pull
Entries 53
Mean 96.29
Std Dev 59
pull1D
Entries 53
Mean −0.03065
Std Dev 0.9664

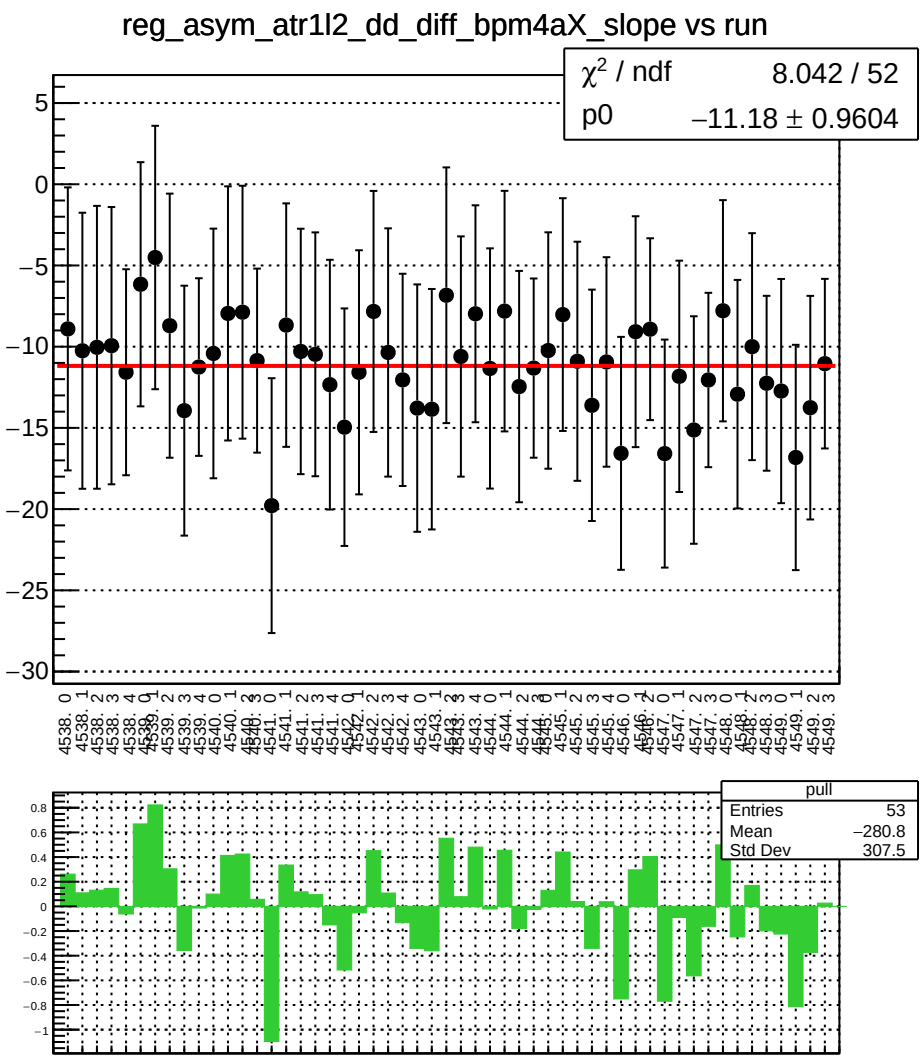

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.57 / 52
p0 −169.5 ± 0.297
pull
Entries 53
Mean −879.5
Std Dev 913.9

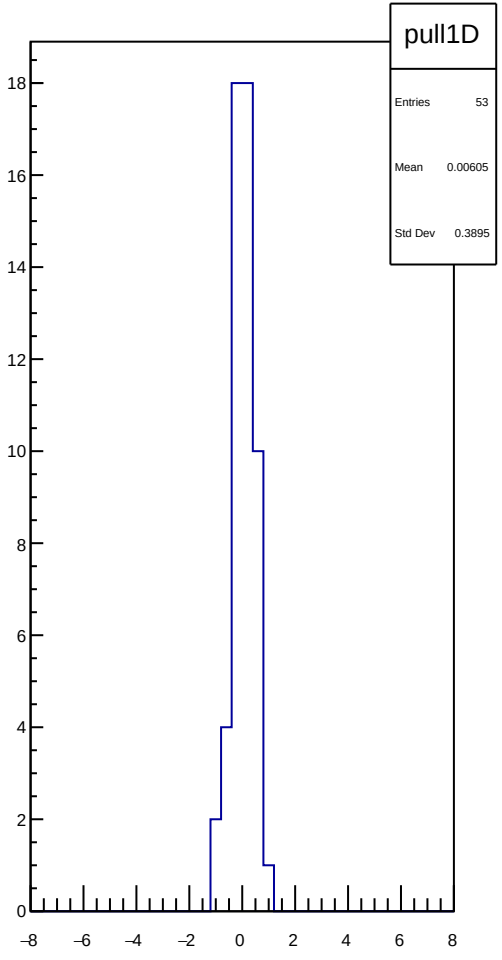

pull1D
Entries 53
Mean 0.004811
Std Dev 0.6229

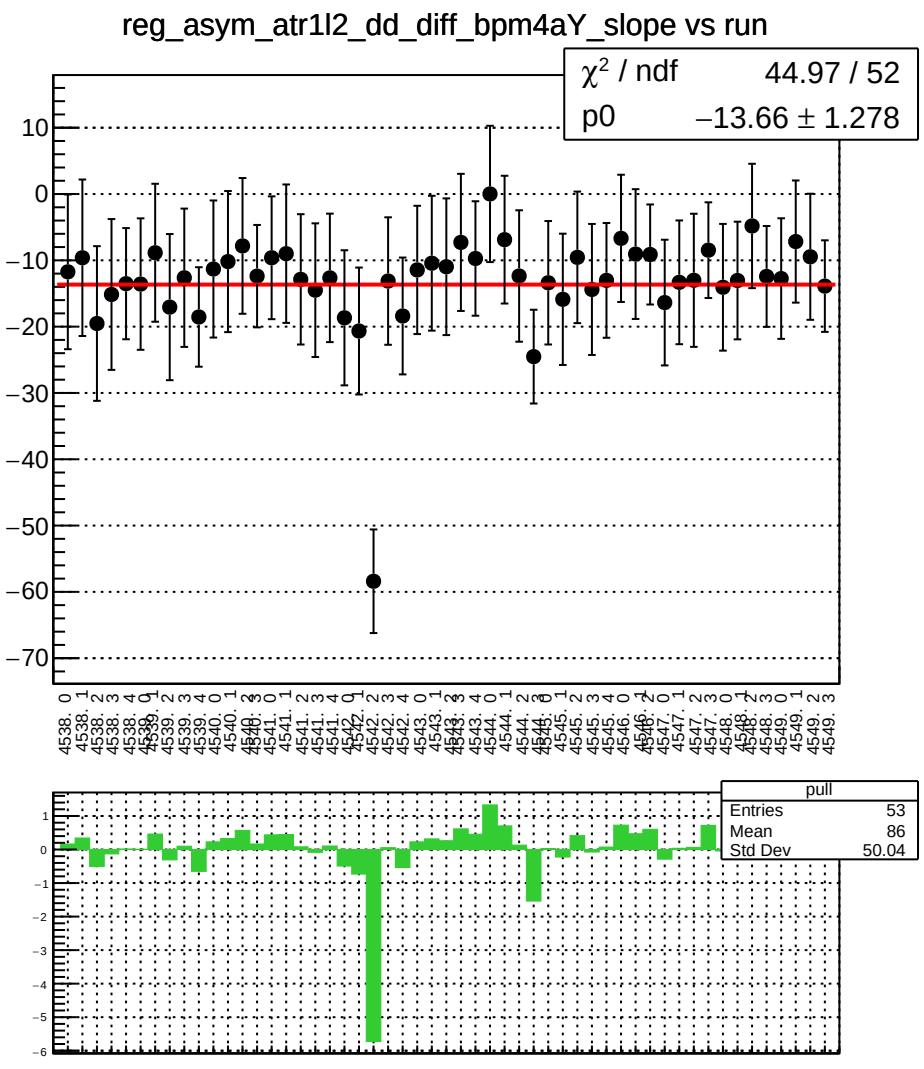

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.27 / 52
p0 10.46 ± 3.237
50
0
−50
−100
−150
pull
Entries 53
Mean 94.28
Std Dev 56.49
pull1D
Entries 53
Mean 0.03183
Std Dev 0.9734
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

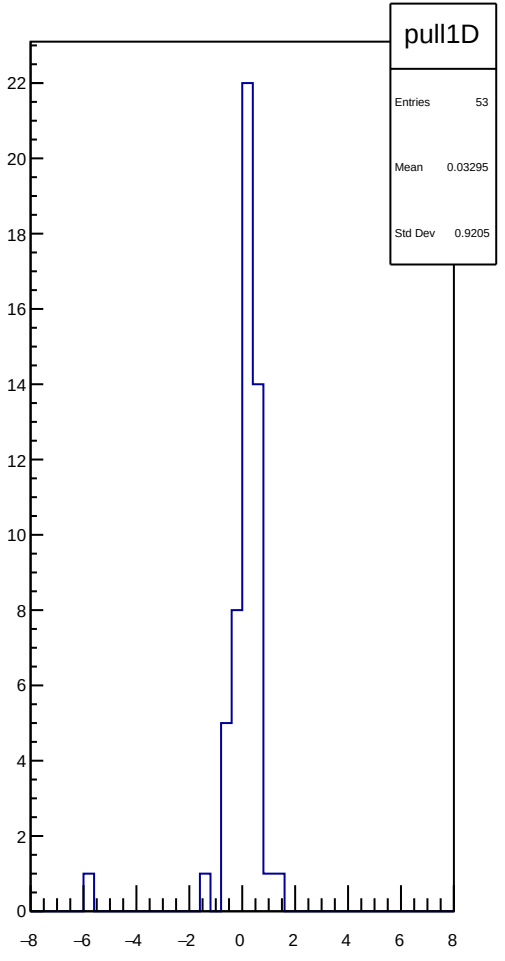

reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ² / ndf 9.719 / 52
p0 −195.5 ± 0.5486
pull
Entries 53
Mean 439.3
Std Dev 411

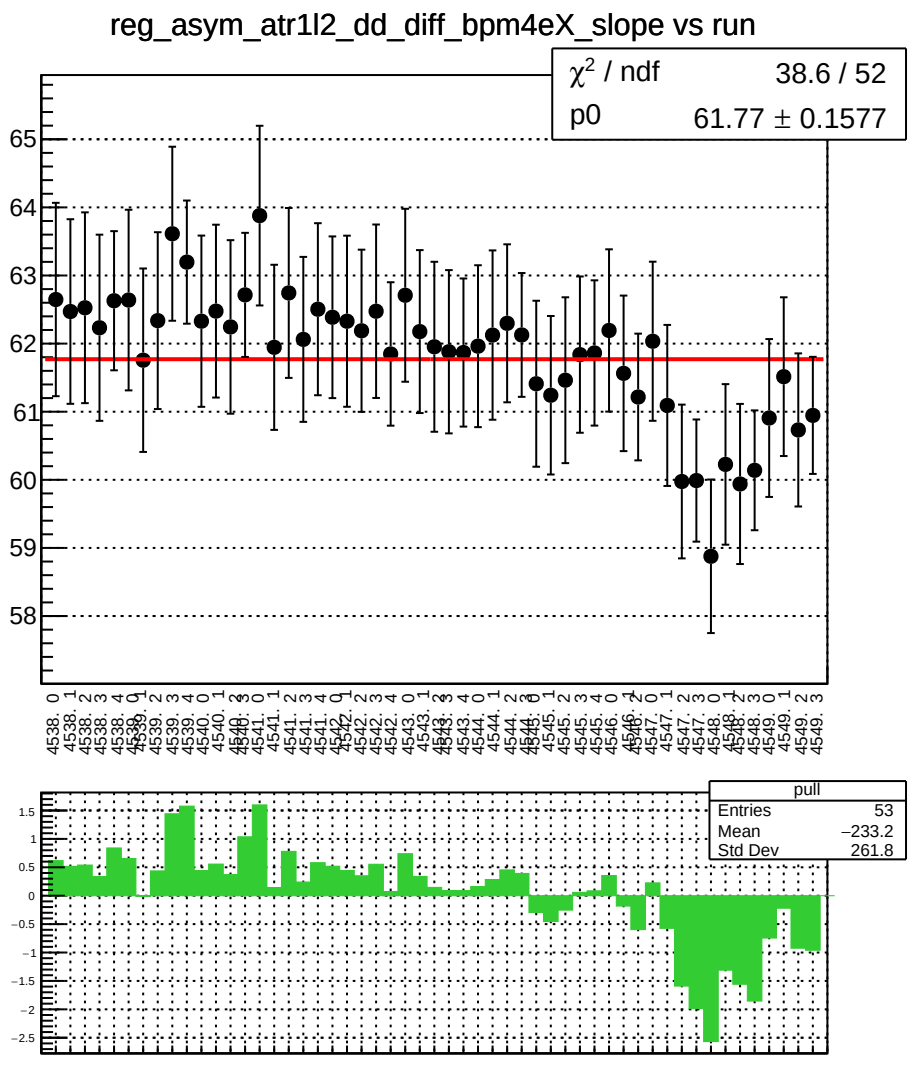

pull1D
Entries 53
Mean −0.01193
Std Dev 0.4281

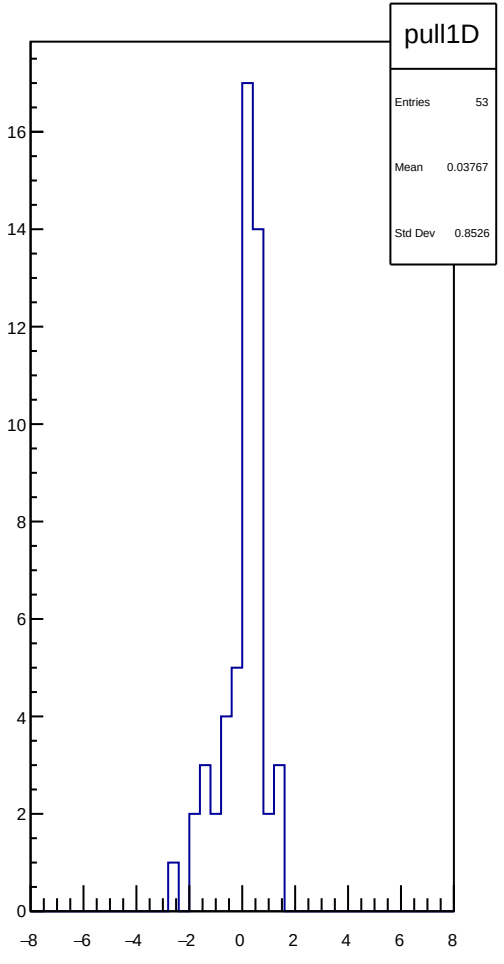

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 8.042 / 52
p0 −11.18 ± 0.9604
pull
Entries 53
Mean −280.8
Std Dev 307.5

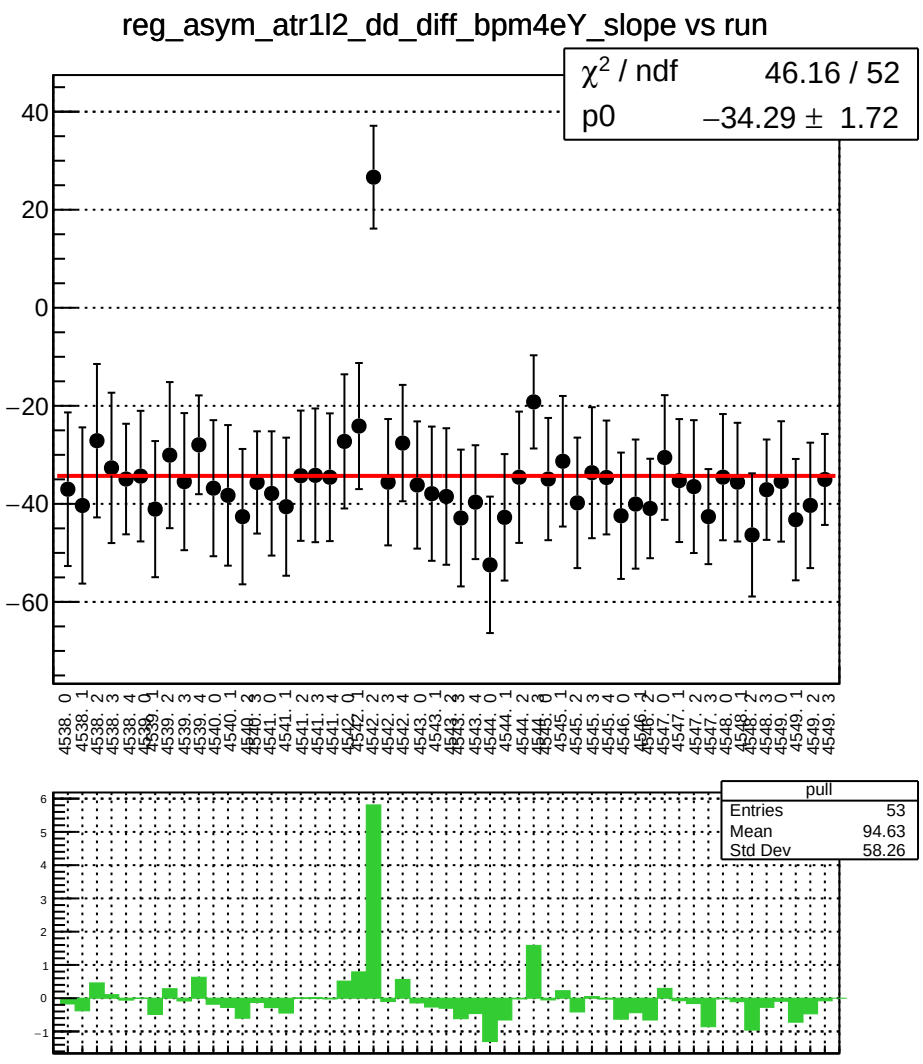

pull1D
Entries 53
Mean 0.00605
Std Dev 0.3895

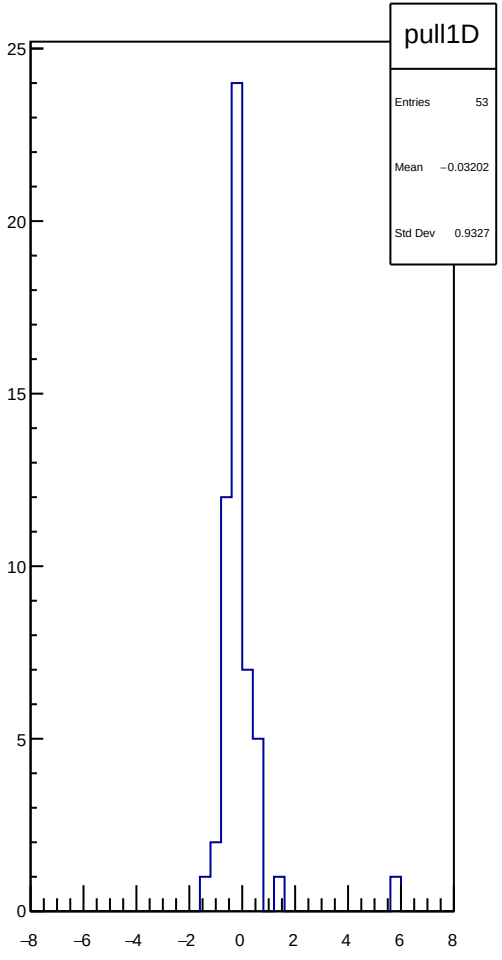

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.97 / 52
p0 −13.66 ± 1.278
pull
Entries 53
Mean 86
Std Dev 50.04

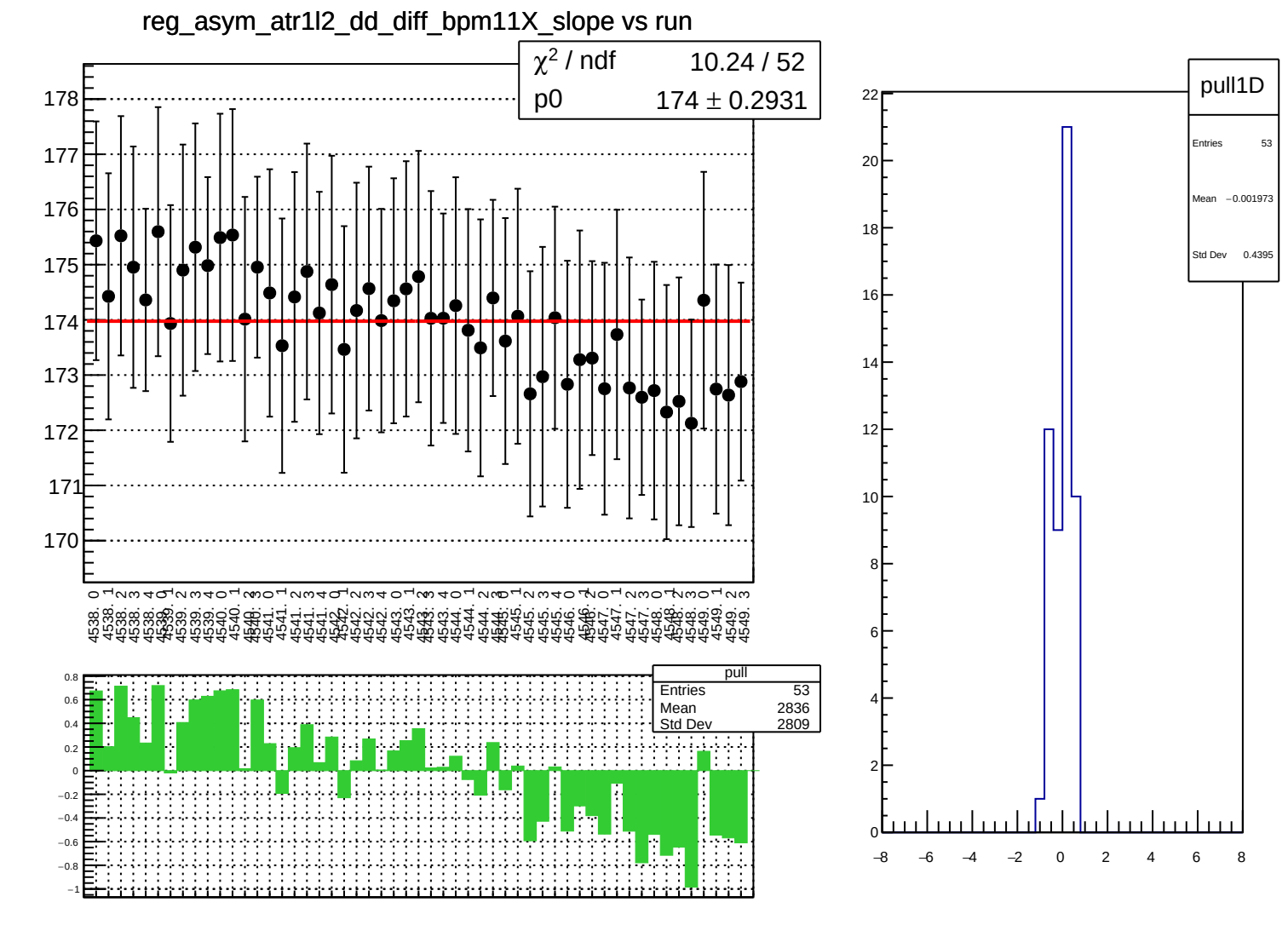

pull1D
Entries 53
Mean 0.03295
Std Dev 0.9205

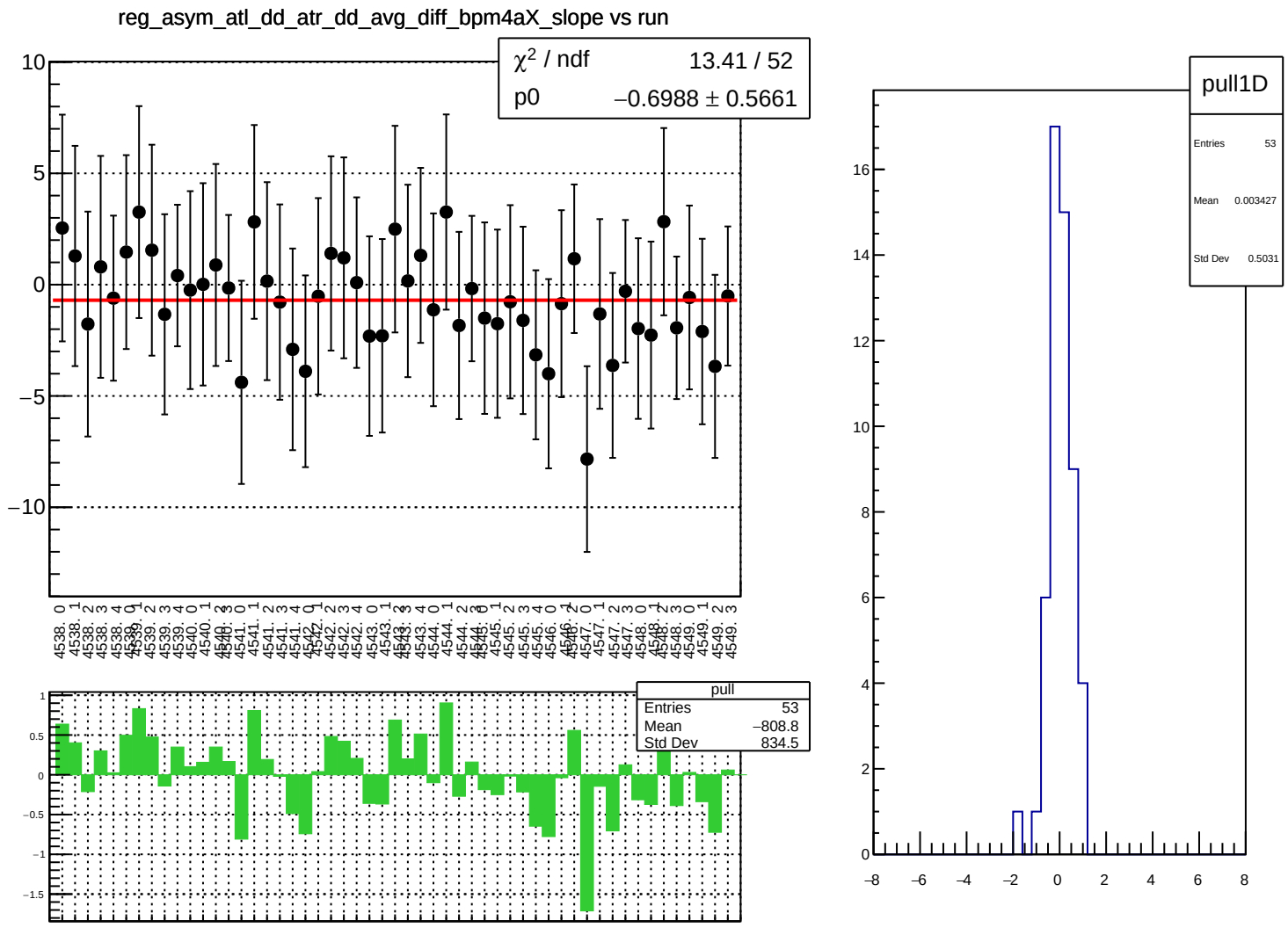

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.6 / 52
p0 61.77 ± 0.1577
pull
Entries 53
Mean −233.2
Std Dev 261.8

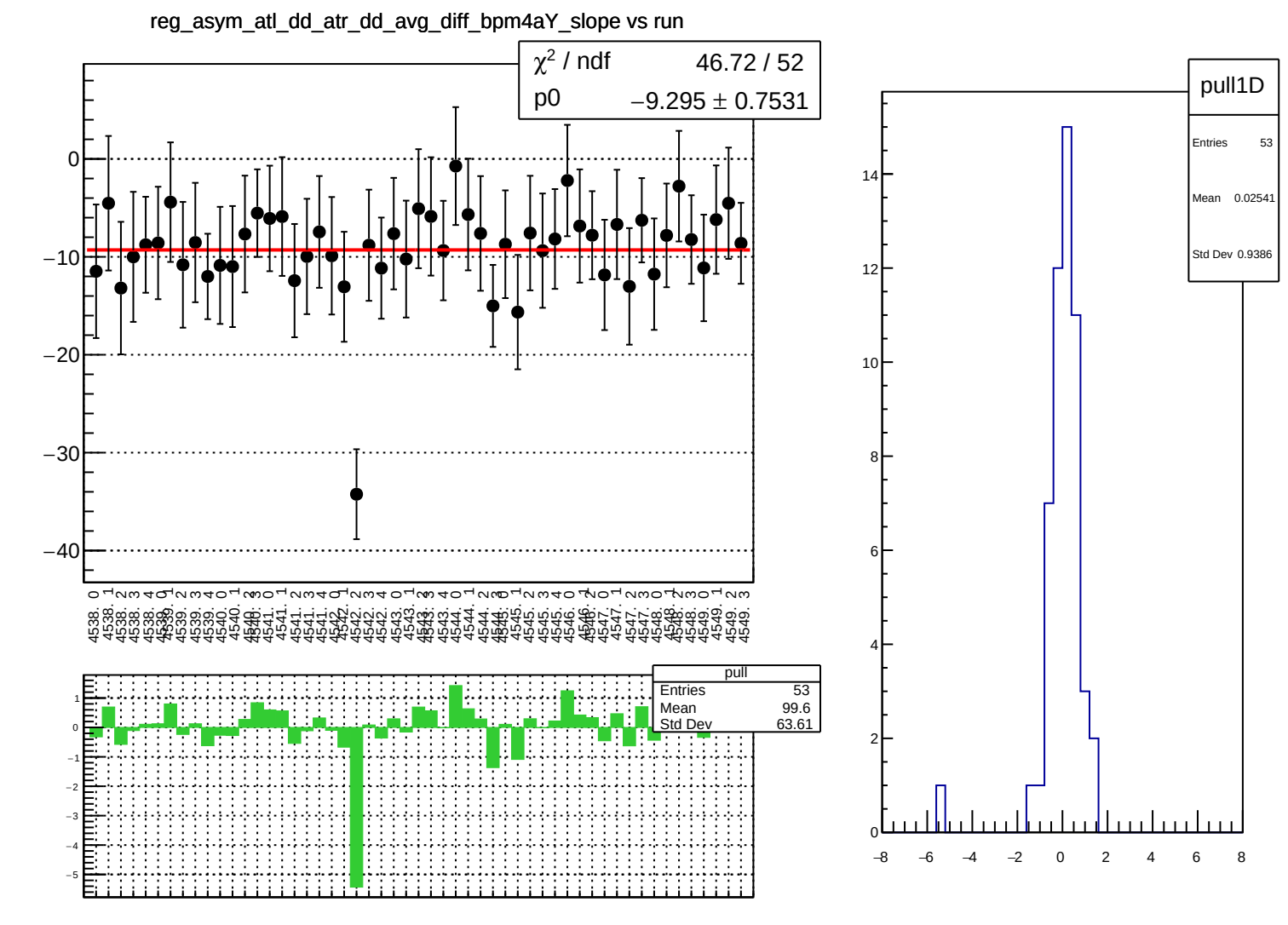

pull1D
Entries 53
Mean 0.03767
Std Dev 0.8526

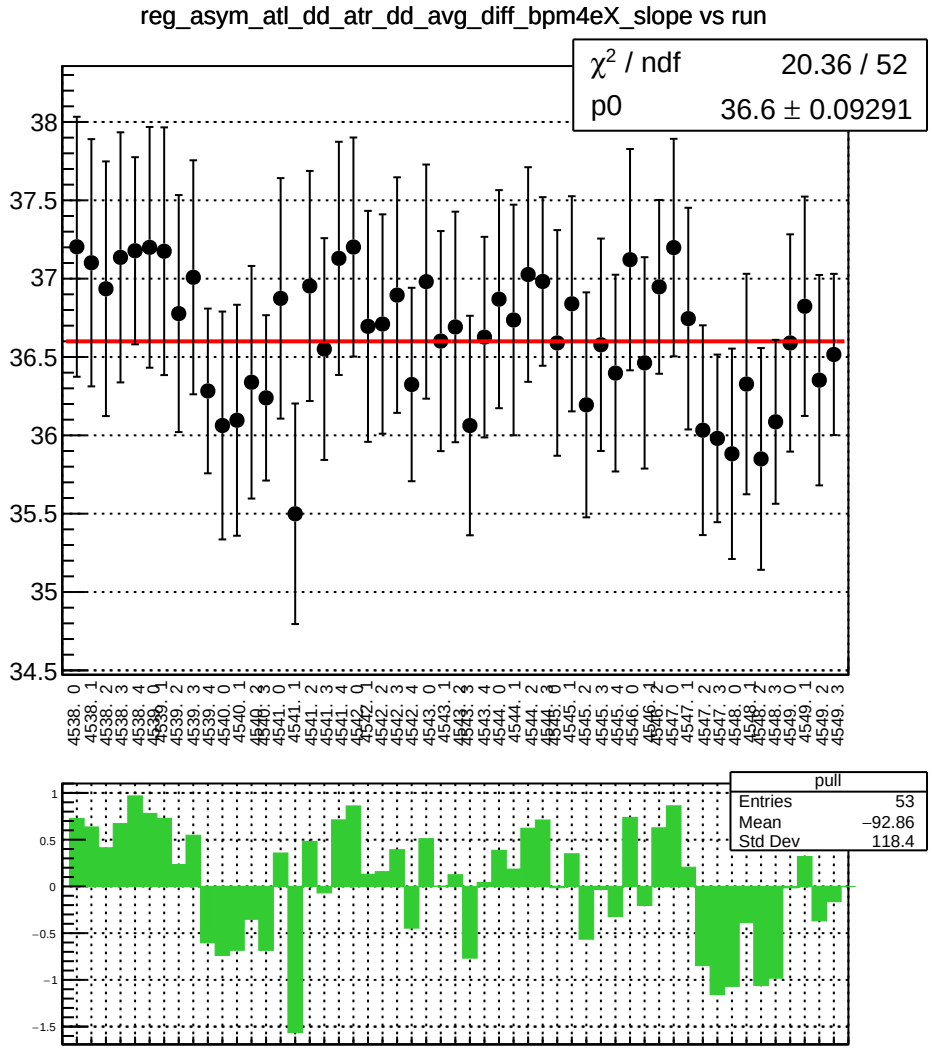

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.16 / 52
p0 −34.29 ± 1.72
pull
Entries 53
Mean 94.63
Std Dev 58.26

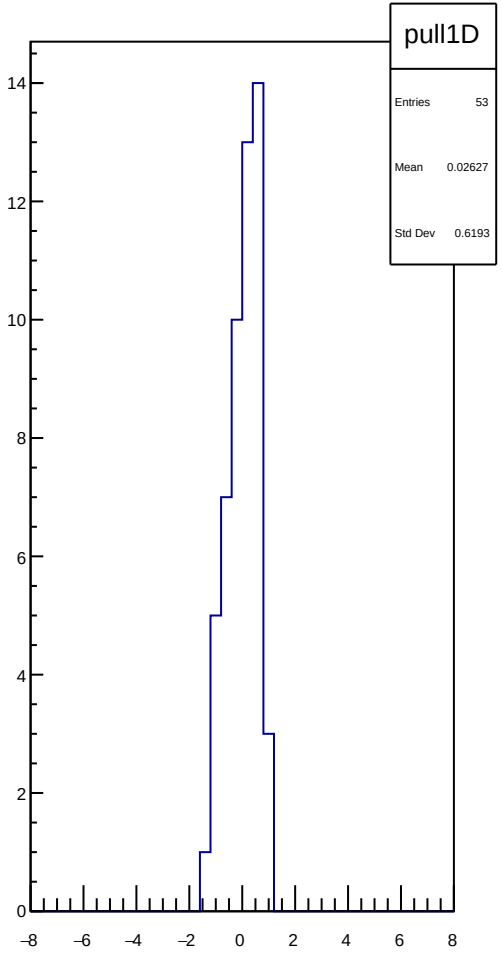

pull1D
Entries 53
Mean −0.03202
Std Dev 0.9327

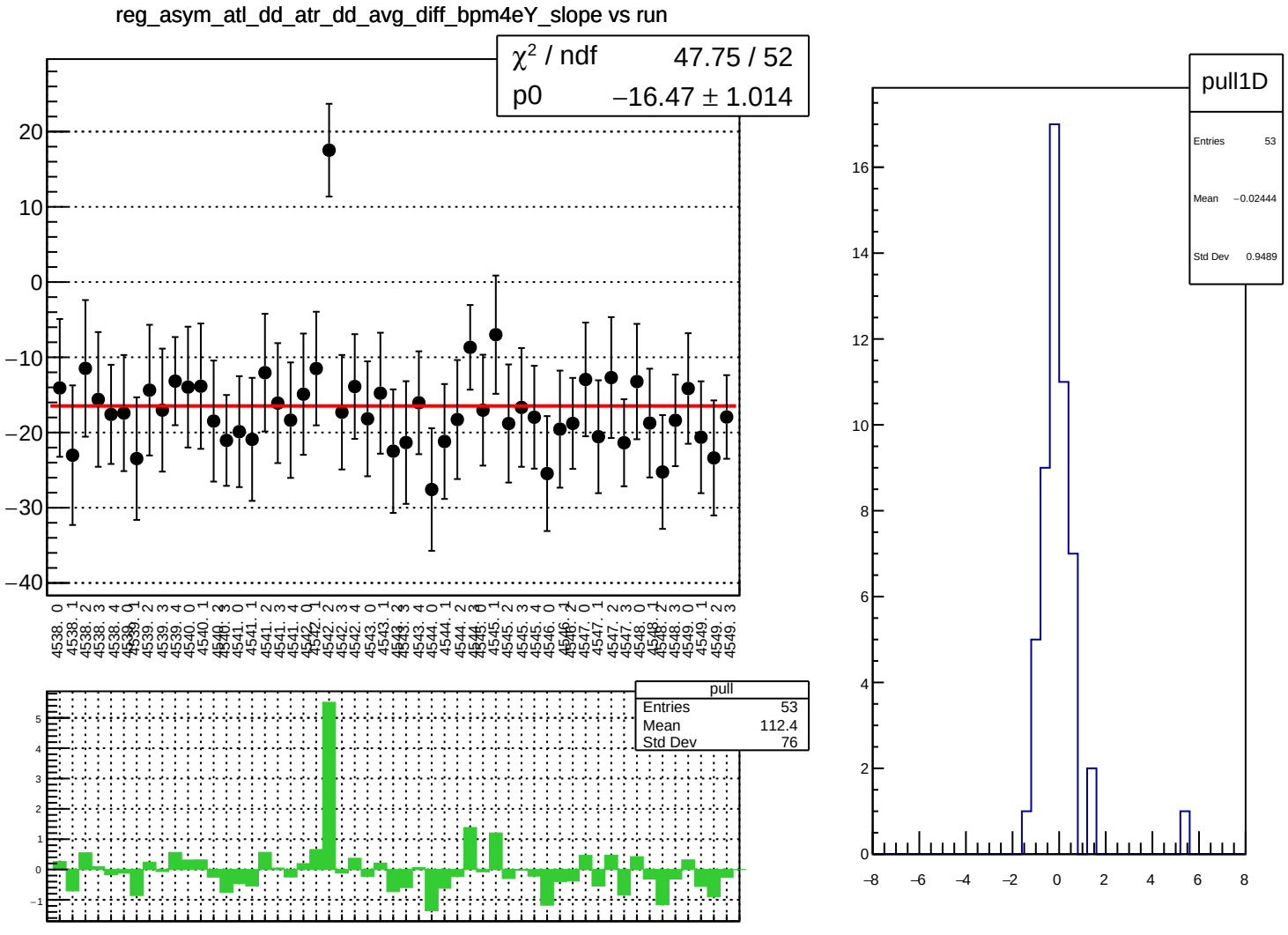

reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ² / ndf 10.24 / 52
p0 174 ± 0.2931
pull
Entries 53
Mean 2836
Std Dev 2809
pull1D
Entries 53
Mean −0.001973
Std Dev 0.4395

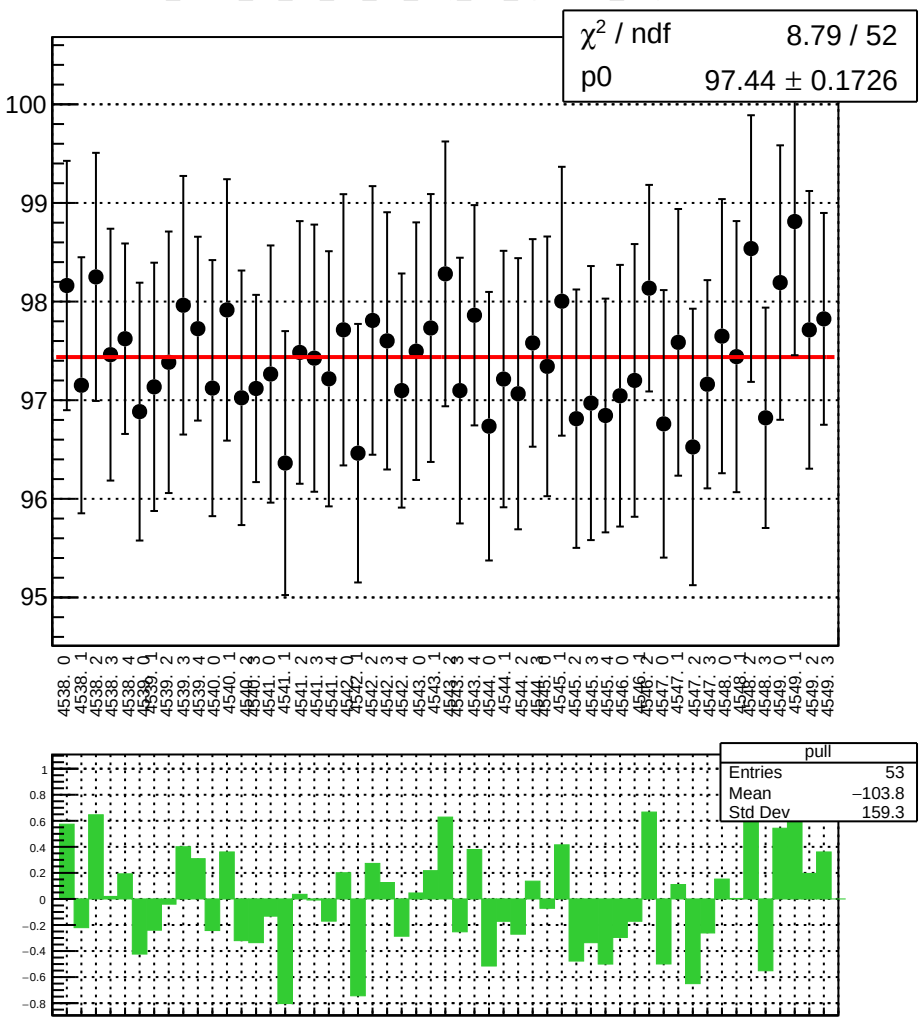

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.41 / 52
p0 −0.6988 ± 0.5661
pull
Entries 53
Mean −808.8
Std Dev 834.5
pull1D
Entries 53
Mean 0.003427
Std Dev 0.5031

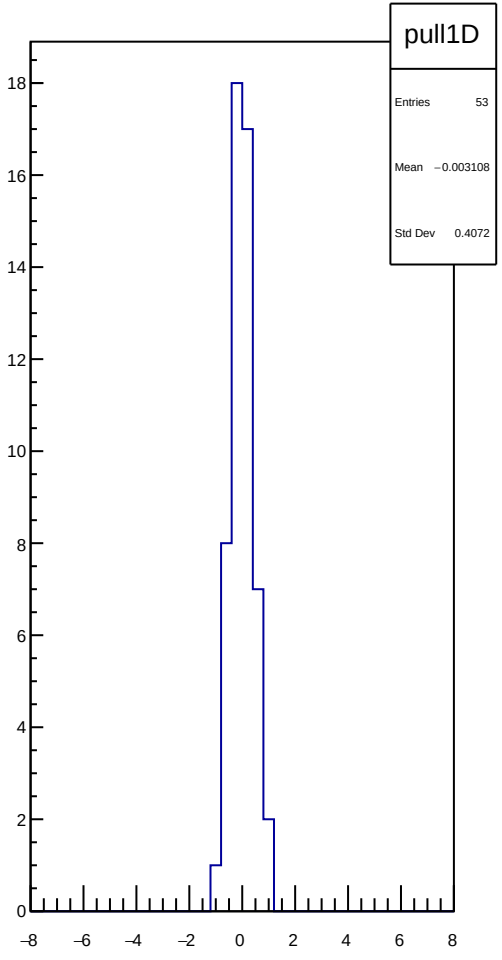

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.72 / 52
p0 −9.295 ± 0.7531
pull
Entries 53
Mean 99.6
Std Dev 63.61
pull1D
Entries 53
Mean 0.02541
Std Dev 0.9386

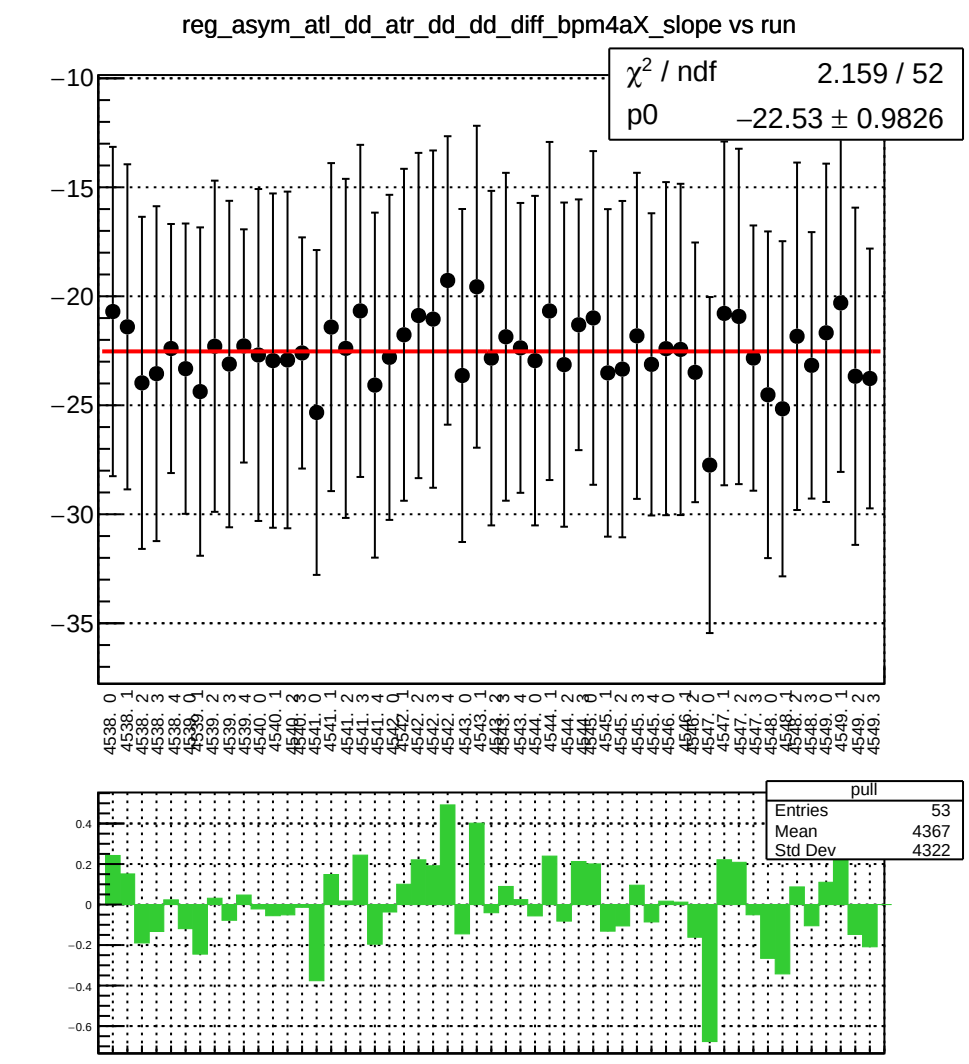

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.36 / 52
p0 36.6 ± 0.09291
pull
Entries 53
Mean −92.86
Std Dev 118.4

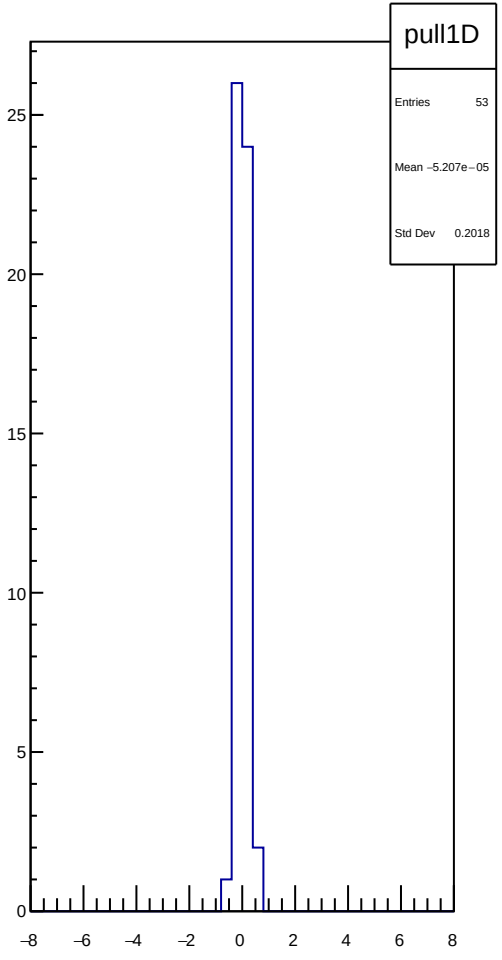

pull1D
Entries 53
Mean 0.02627
Std Dev 0.6193

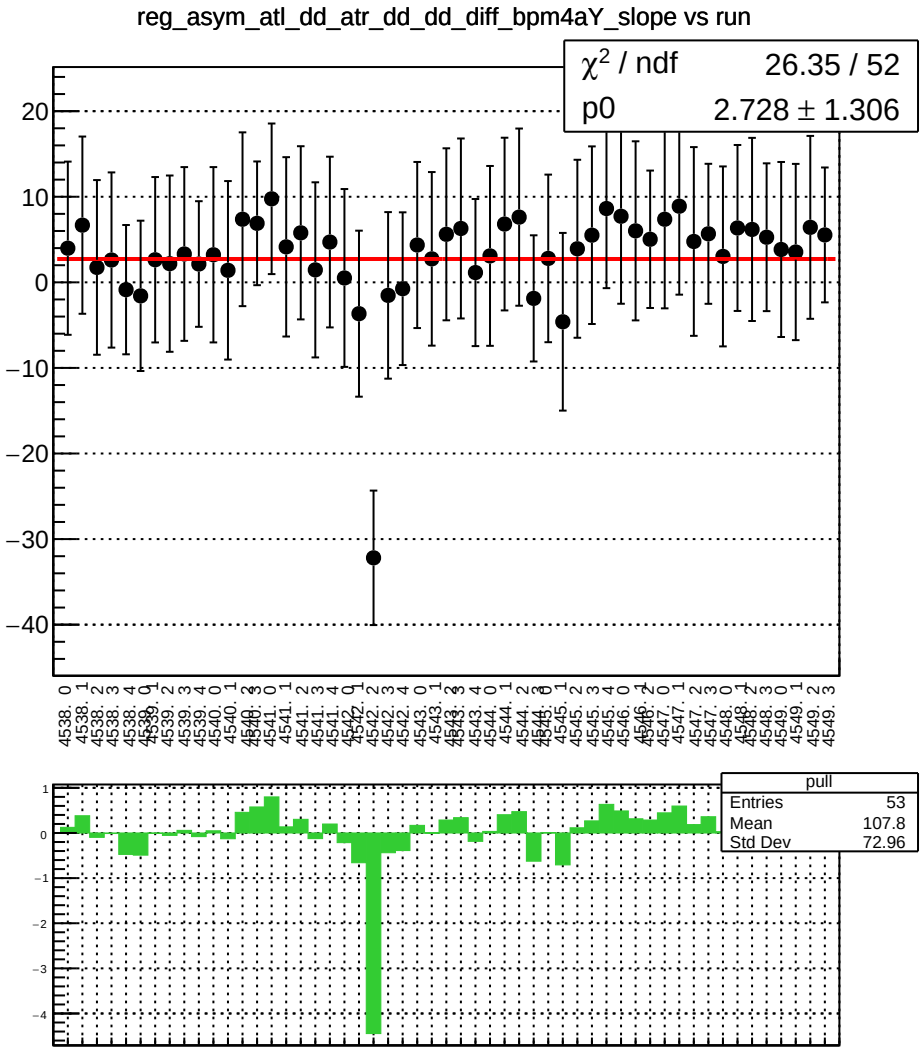

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.75 / 52
p0 −16.47 ± 1.014
pull
Entries 53
Mean 112.4
Std Dev 76
pull1D
Entries 53
Mean −0.02444
Std Dev 0.9489

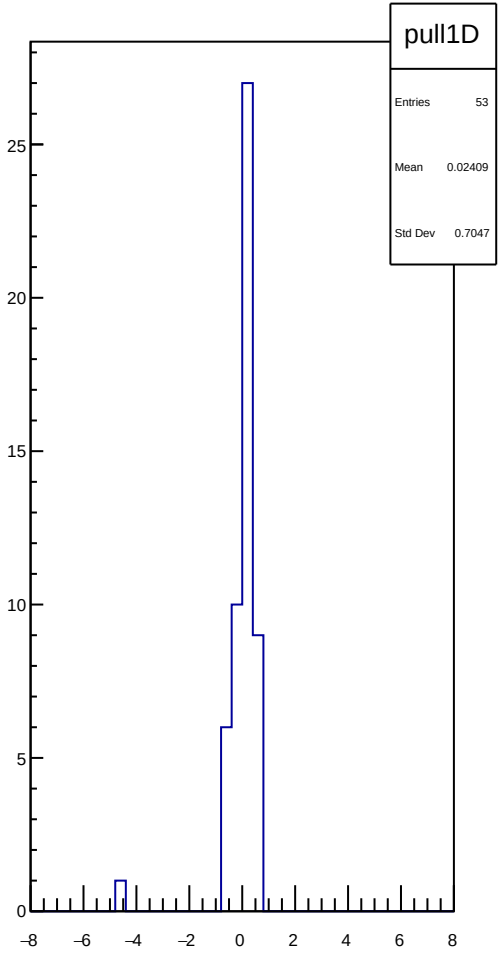

reg_asym_atl_dd_atr_dd_avg_diff_bpm11X_slope vs run
χ² / ndf 8.79 / 52
p0 97.44 ± 0.1726
pull
Entries 53
Mean −103.8
Std Dev 159.3

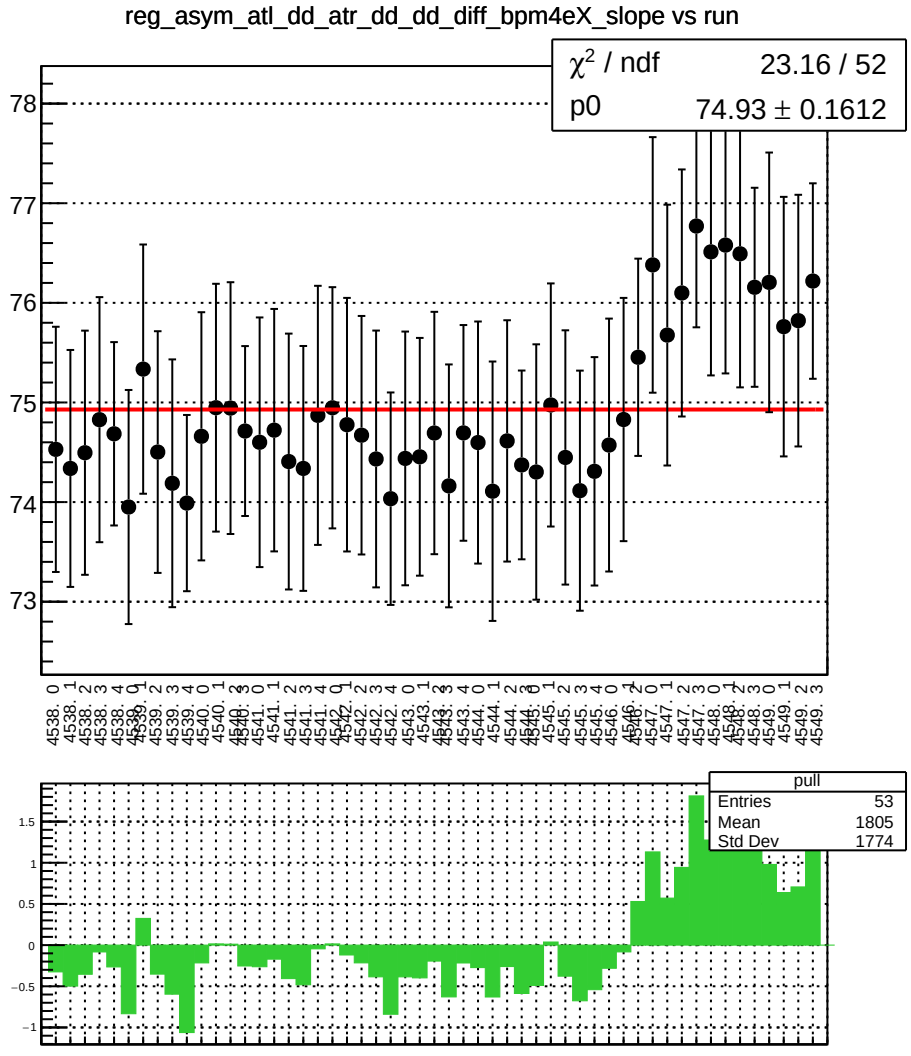

pull1D
Entries 53
Mean −0.003108
Std Dev 0.4072

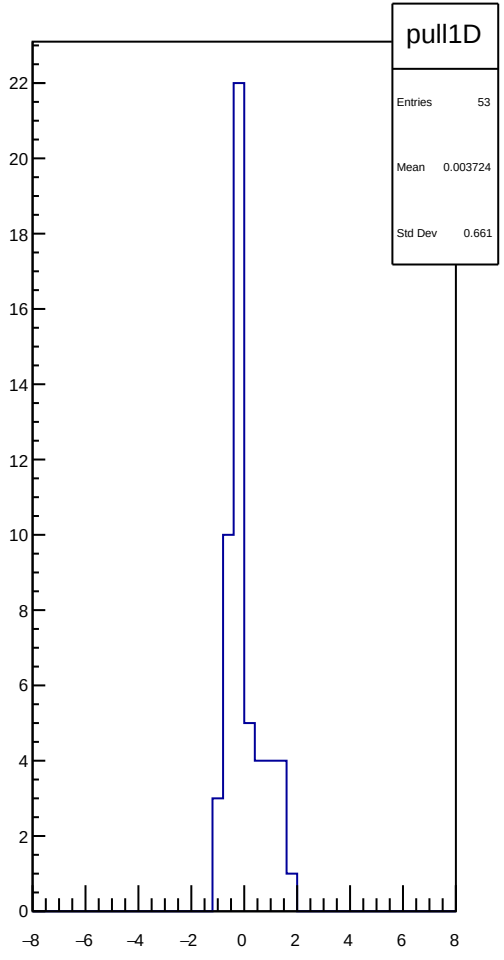

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.159 / 52
p0 −22.53 ± 0.9826
pull
Entries 53
Mean 4367
Std Dev 4322

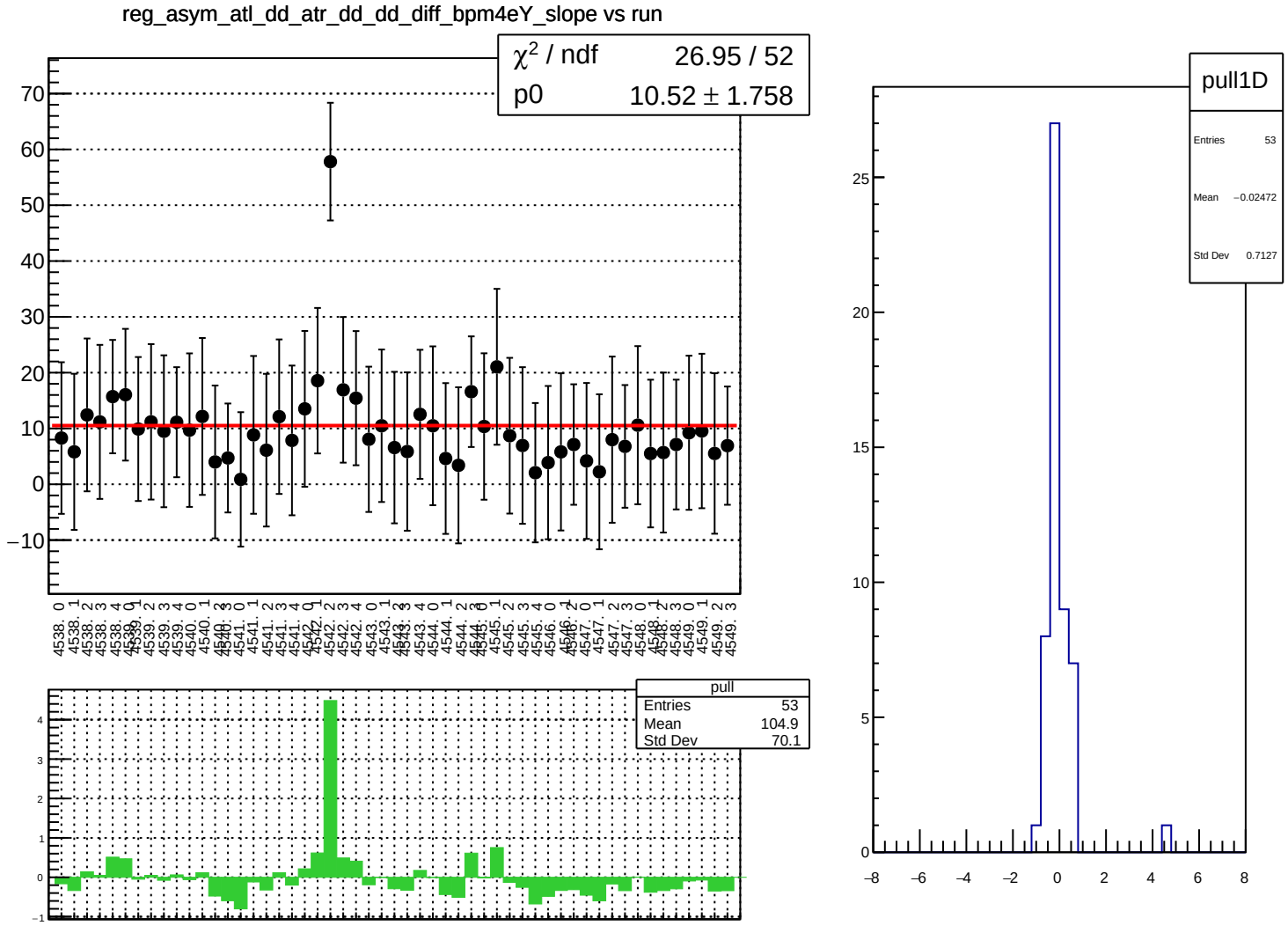

pull1D
Entries 53
Mean −5.207e−05
Std Dev 0.2018

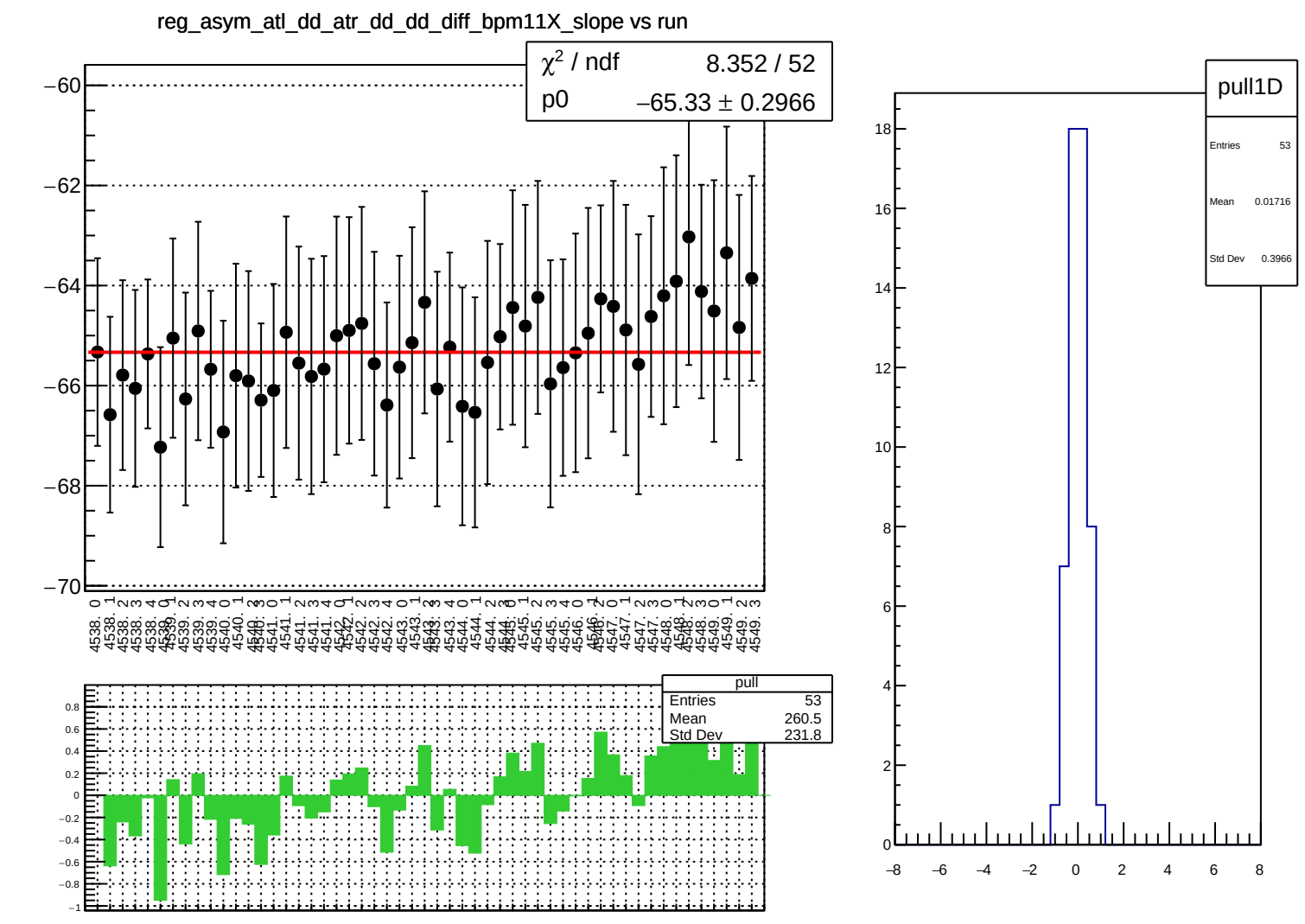

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.35 / 52
p0 2.728 ± 1.306
pull
Entries 53
Mean 107.8
Std Dev 72.96

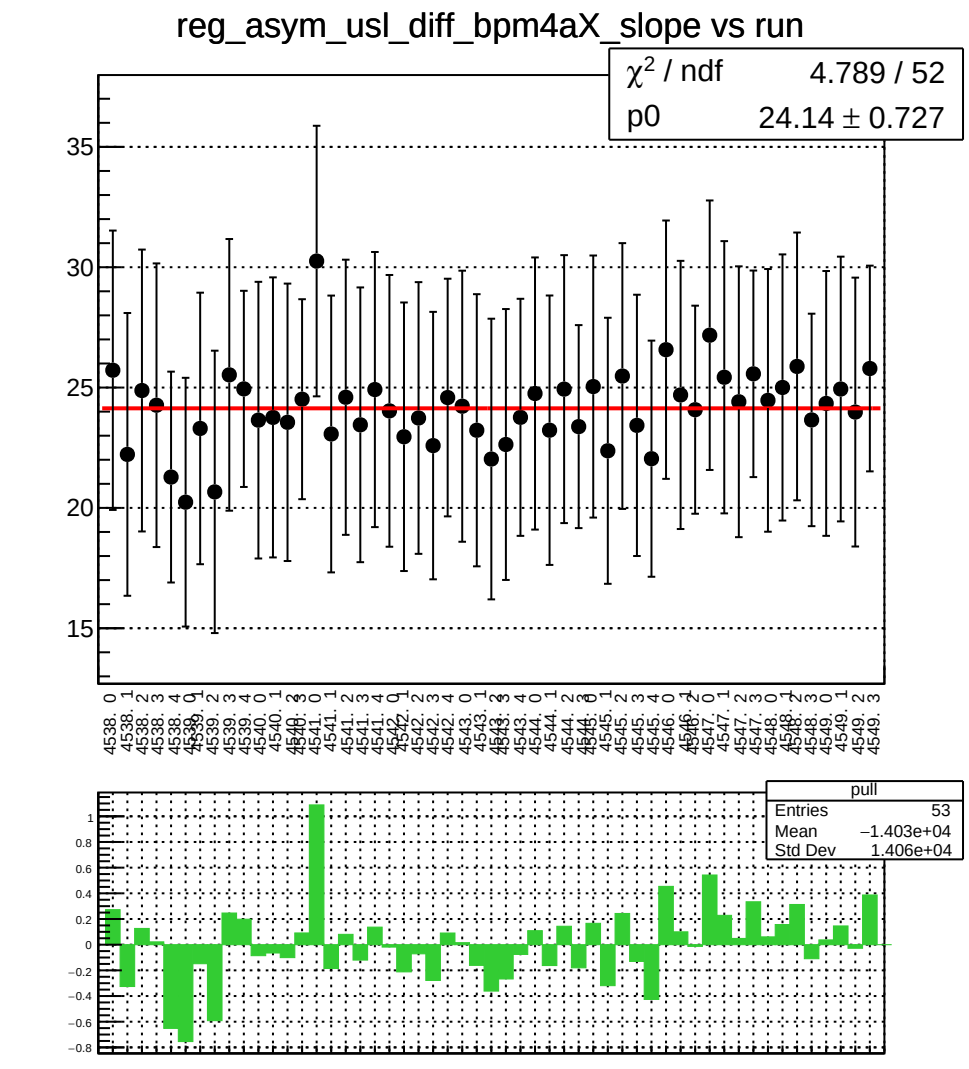

pull1D
Entries 53
Mean 0.02409
Std Dev 0.7047

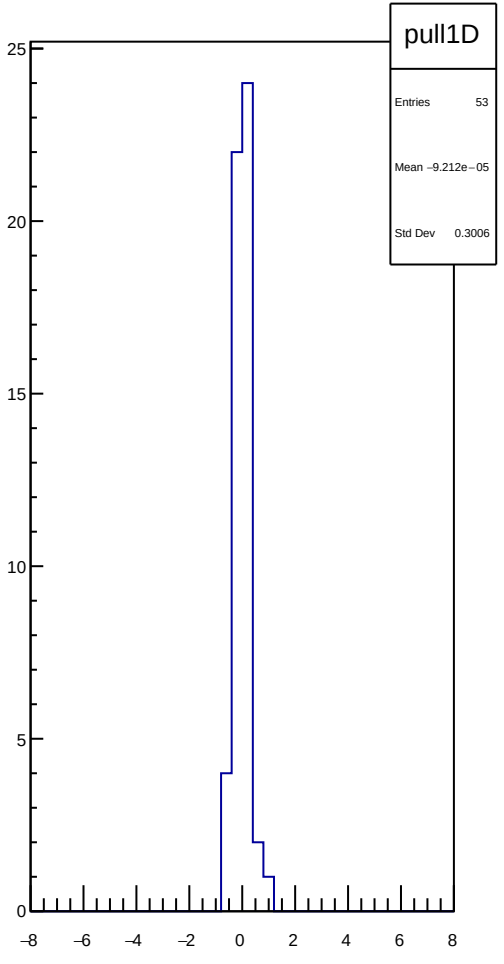

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.16 / 52
p0 74.93 ± 0.1612
78
77
76
75
74
73
pull
Entries 53
Mean 1805
Std Dev 1774
1.5
1
0.5
0
−0.5
−1

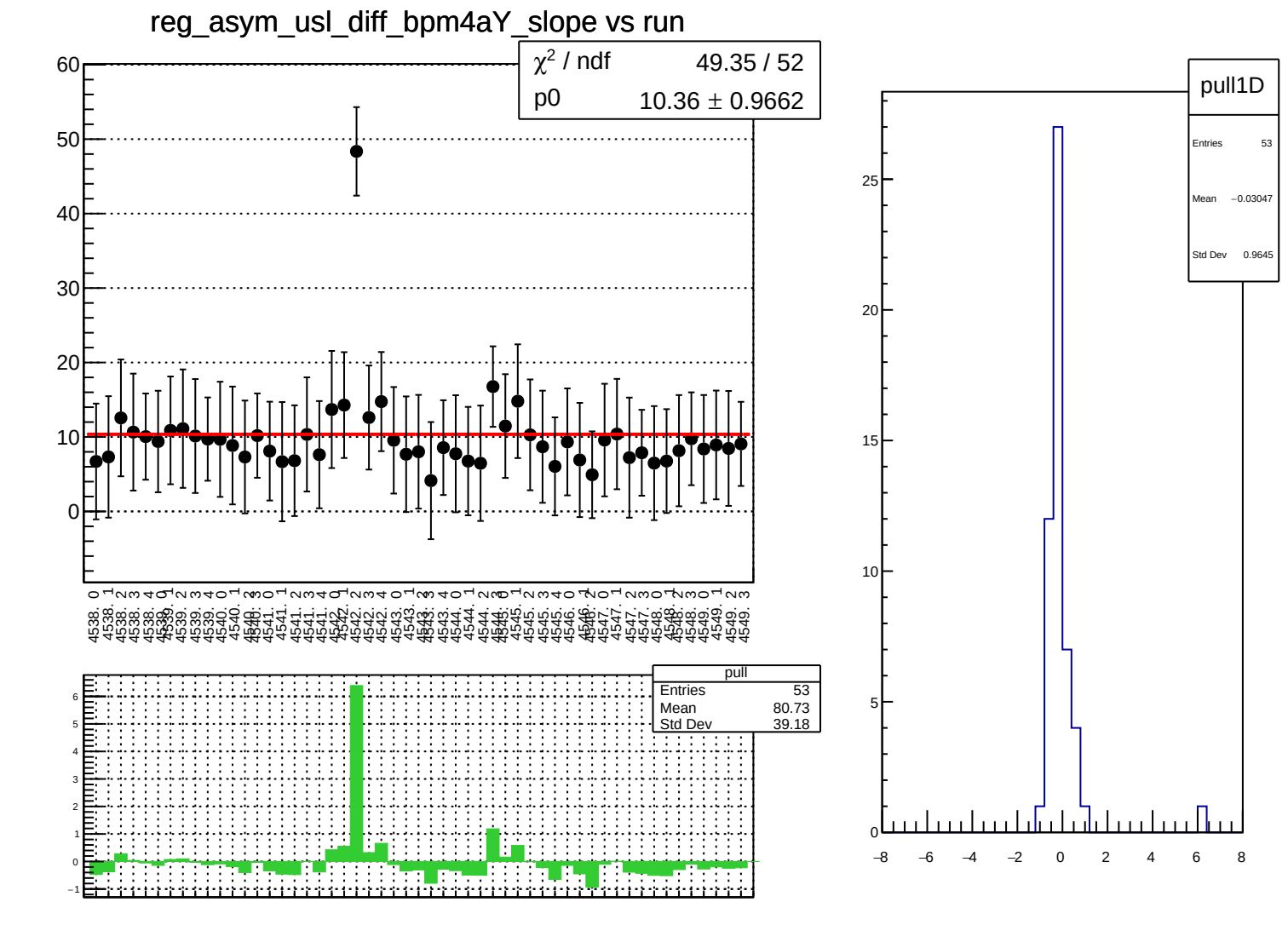

pull1D
Entries 53
Mean 0.003724
Std Dev 0.661
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

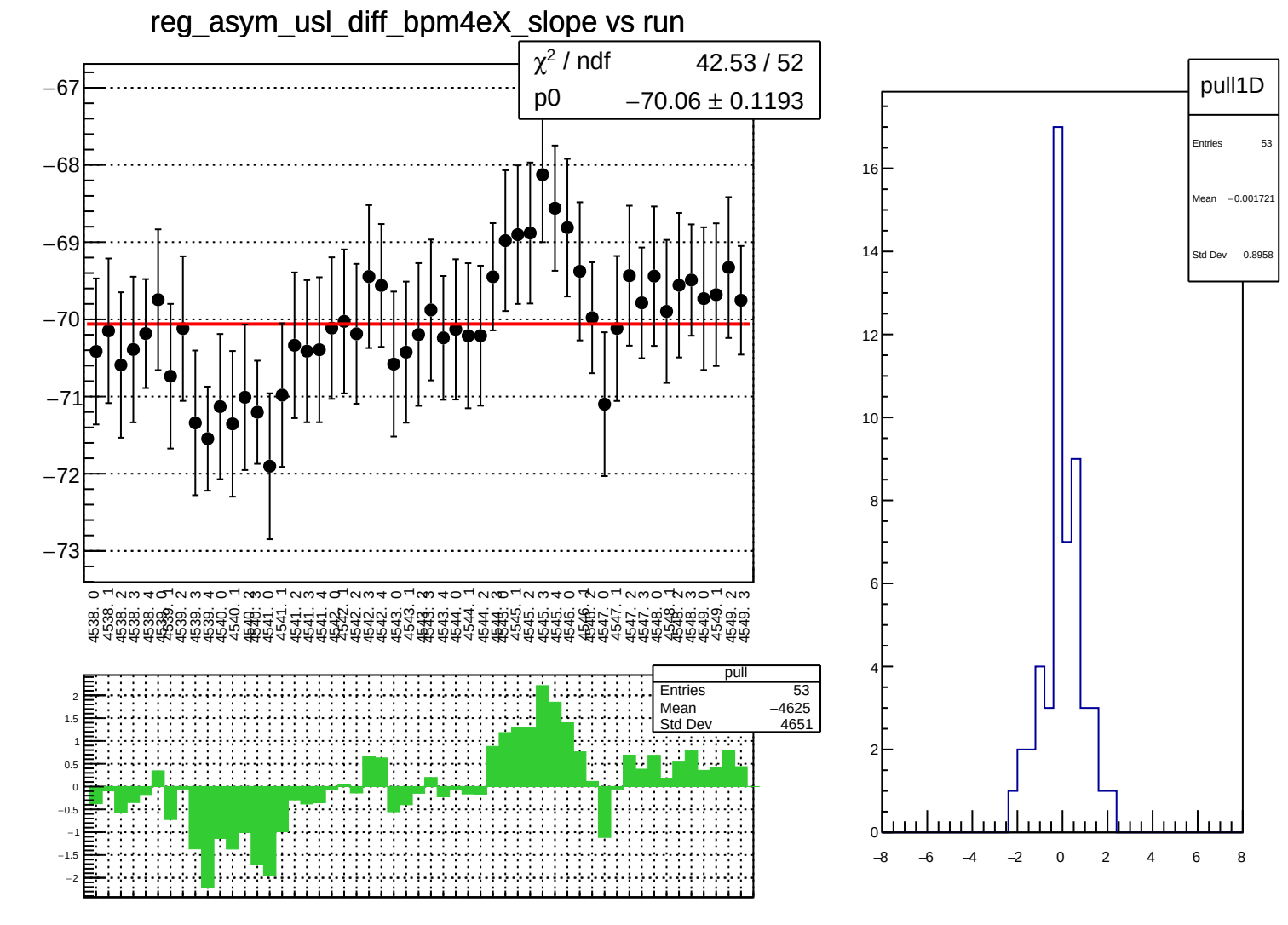

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.95 / 52
p0 10.52 ± 1.758
pull
Entries 53
Mean 104.9
Std Dev 70.1
pull1D
Entries 53
Mean −0.02472
Std Dev 0.7127

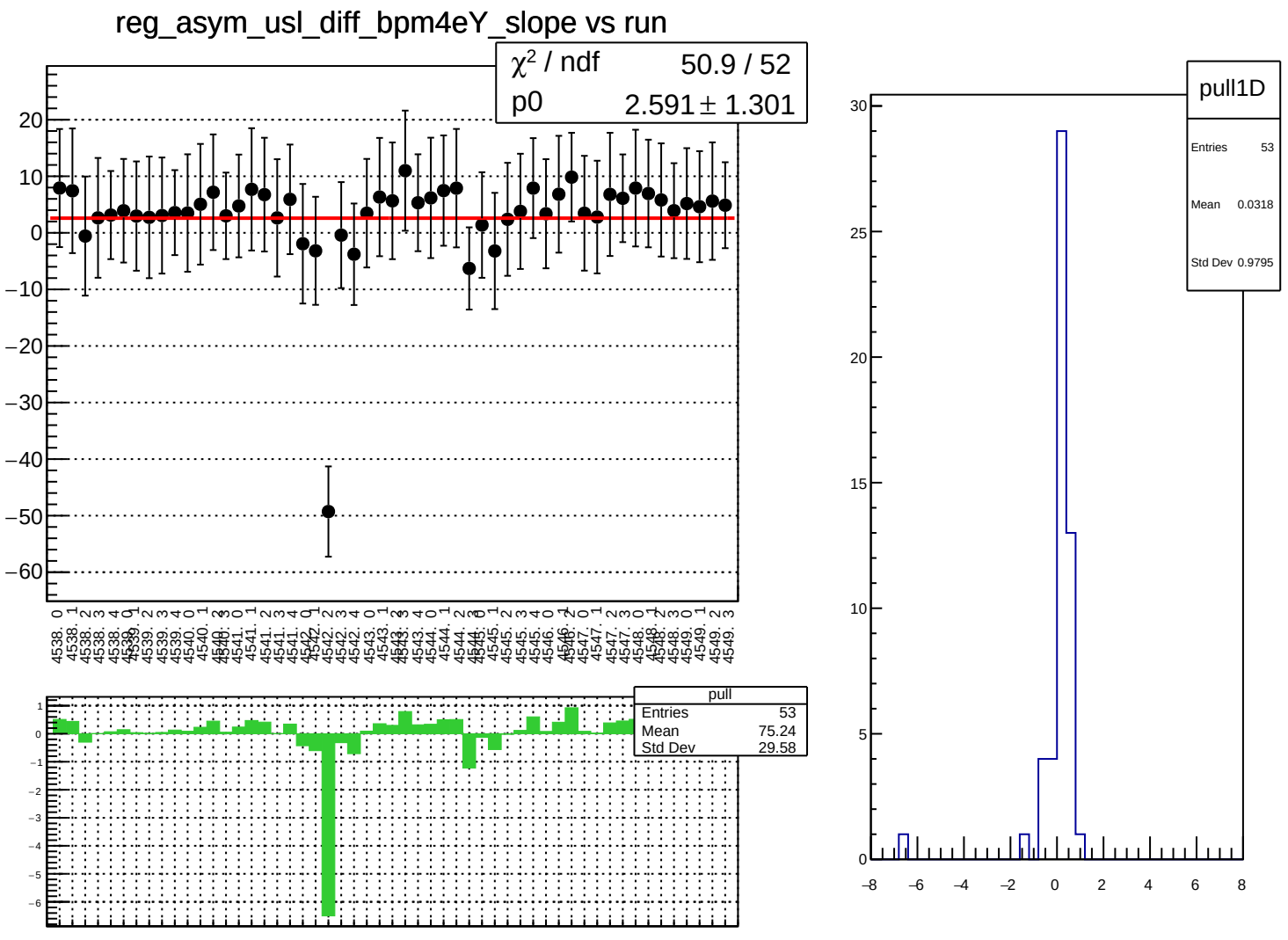

reg_asym_atl_dd_atr_dd_dd_diff_bpm11X_slope vs run
χ² / ndf 8.352 / 52
p0 −65.33 ± 0.2966
pull
Entries 53
Mean 260.5
Std Dev 231.8
pull1D
Entries 53
Mean 0.01716
Std Dev 0.3966

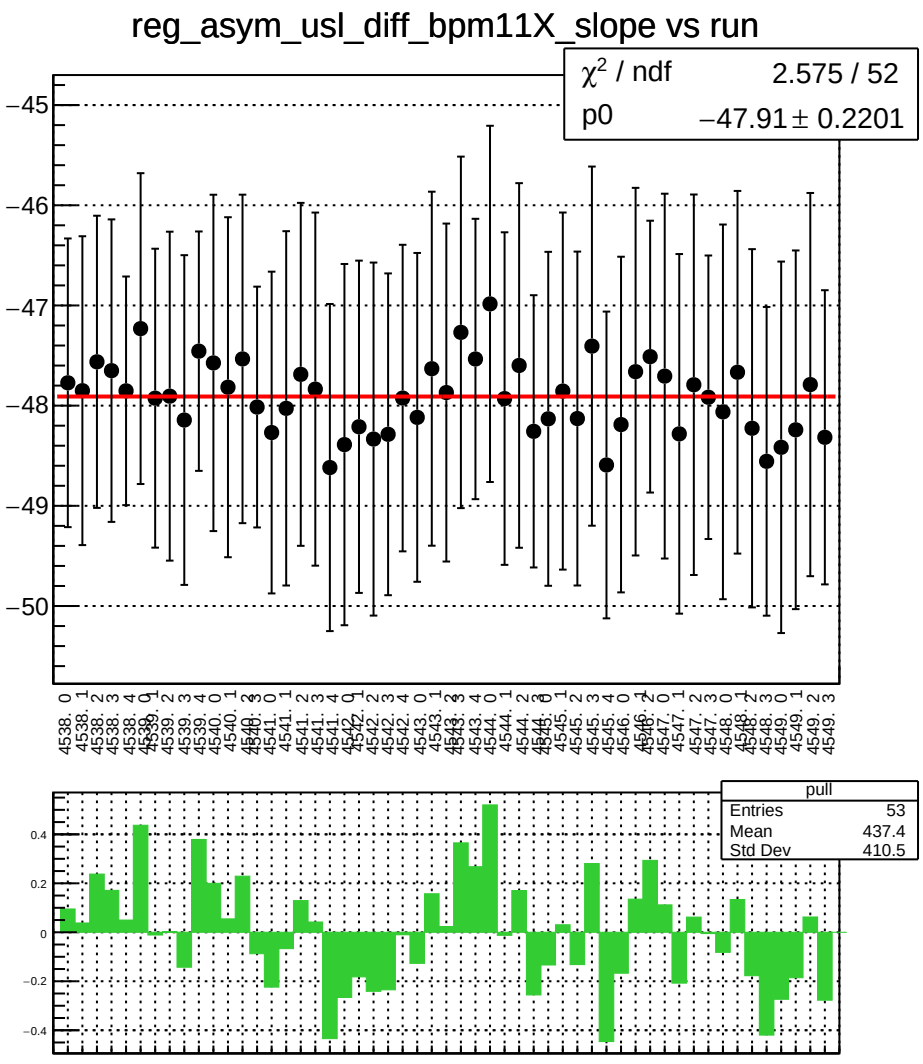

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 4.789 / 52
p0 24.14 ± 0.727
pull
Entries 53
Mean −1.403e+04
Std Dev 1.406e+04

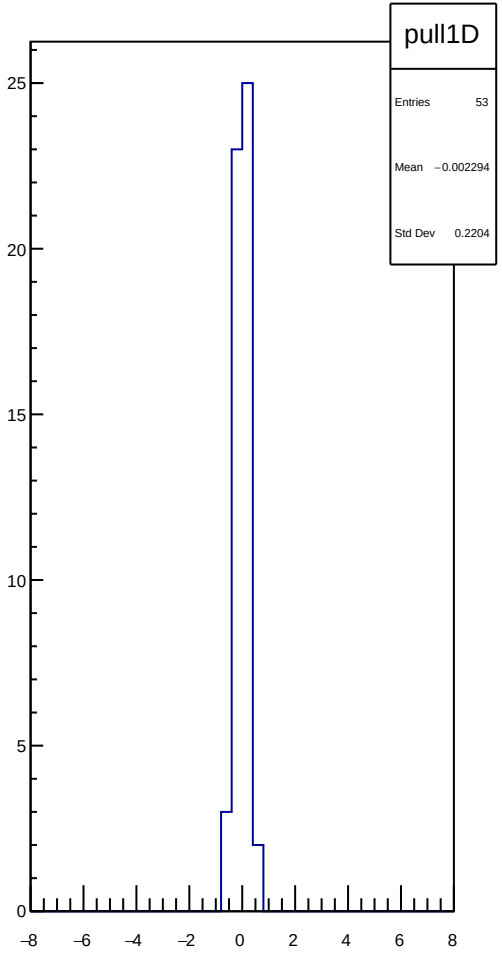

pull1D
Entries 53
Mean −9.212e−05
Std Dev 0.3006

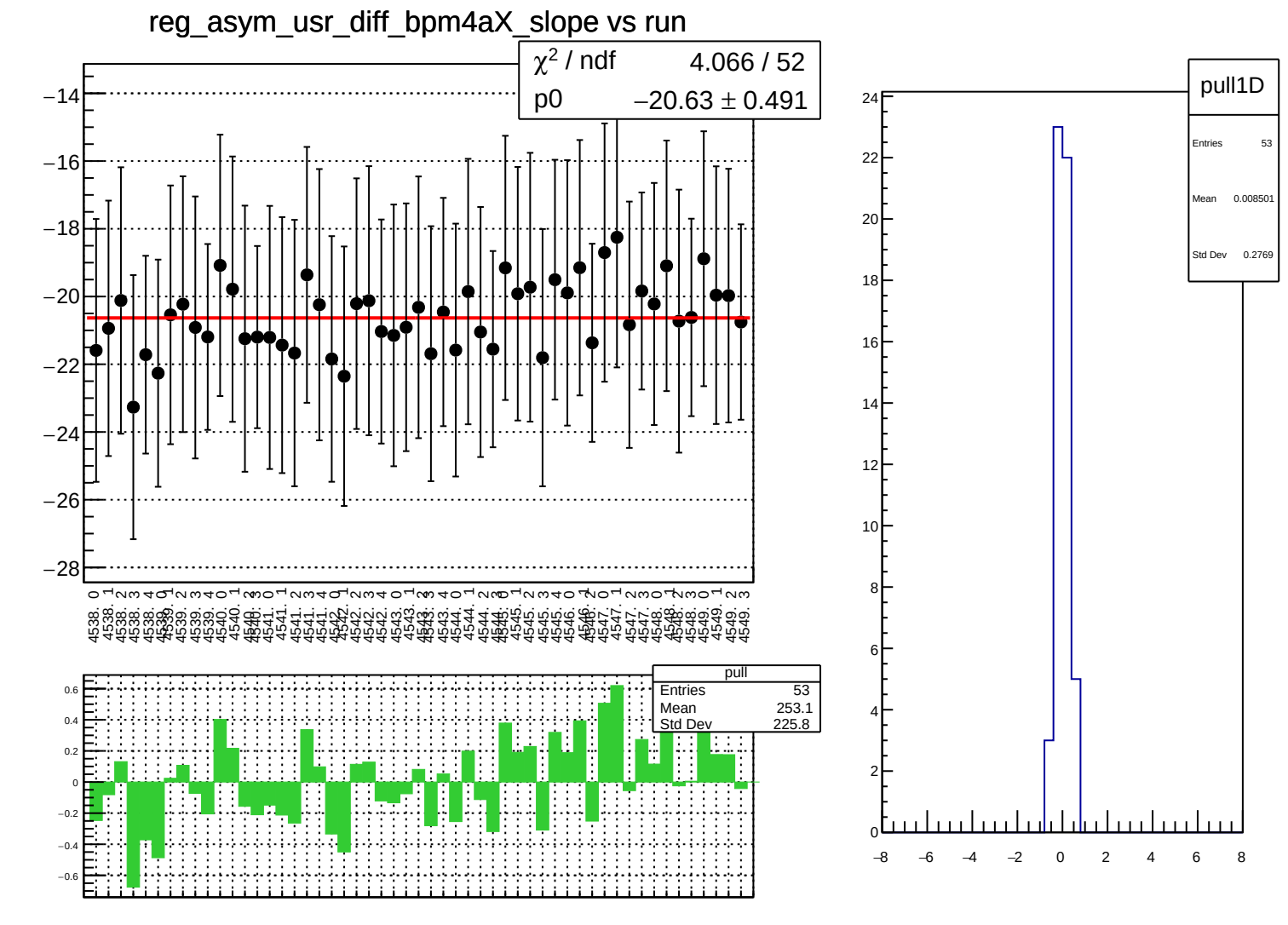

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 49.35 / 52
p0 10.36 ± 0.9662
pull
Entries 53
Mean 80.73
Std Dev 39.18
pull1D
Entries 53
Mean −0.03047
Std Dev 0.9645

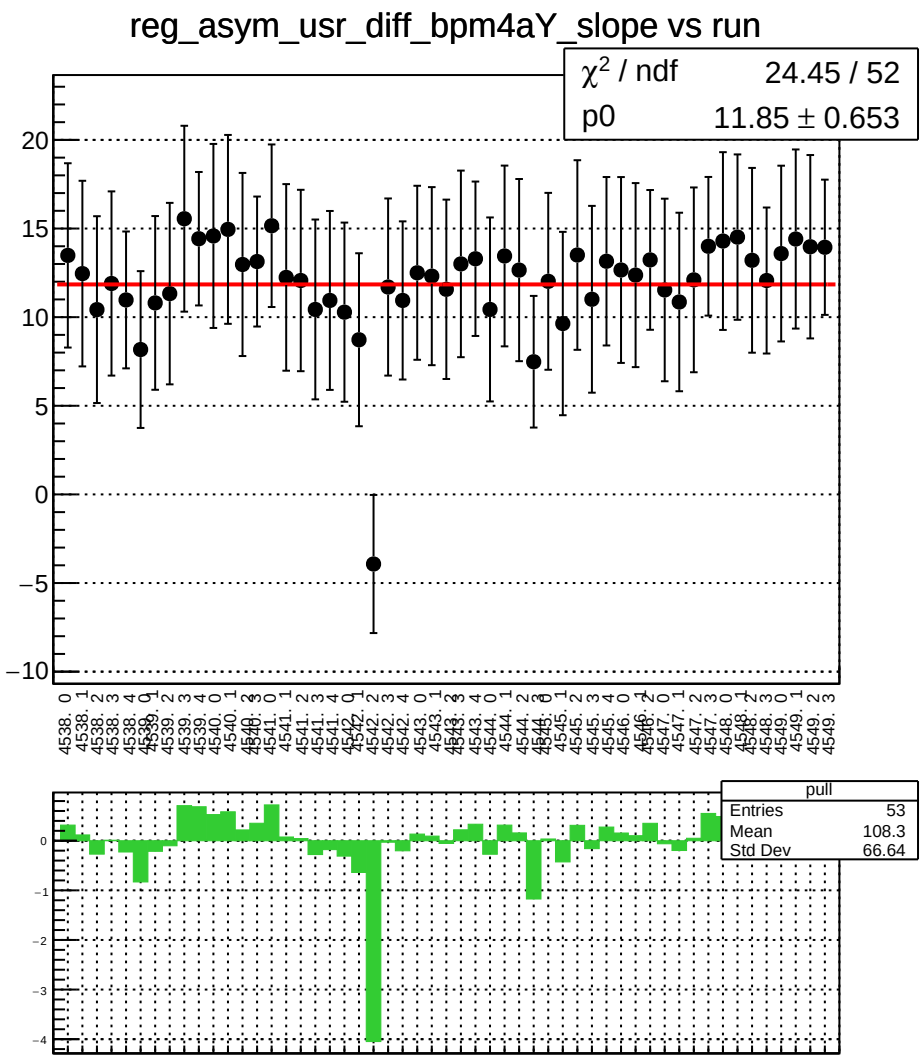

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 42.53 / 52
p0 −70.06 ± 0.1193
pull
Entries 53
Mean −4625
Std Dev 4651
pull1D
Entries 53
Mean −0.001721
Std Dev 0.8958

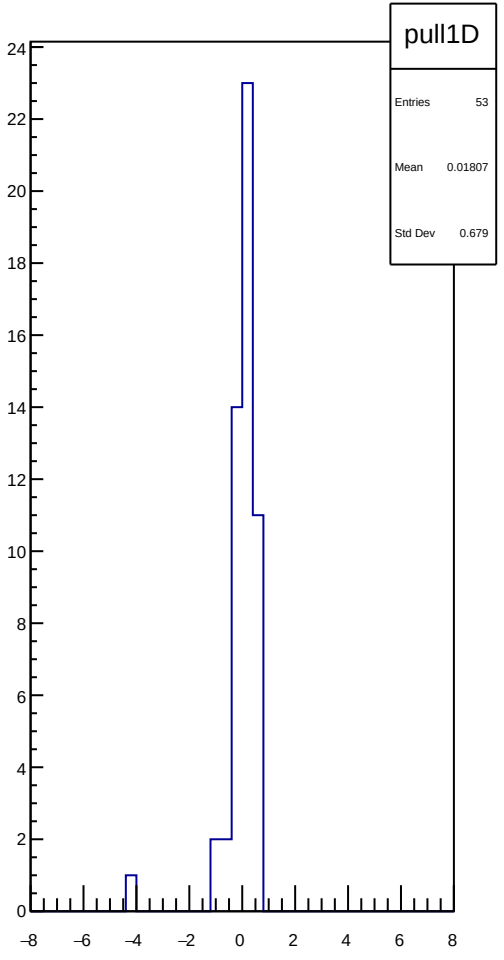

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 50.9 / 52
p0 2.591 ± 1.301
pull
Entries 53
Mean 75.24
Std Dev 29.58
pull1D
Entries 53
Mean 0.0318
Std Dev 0.9795

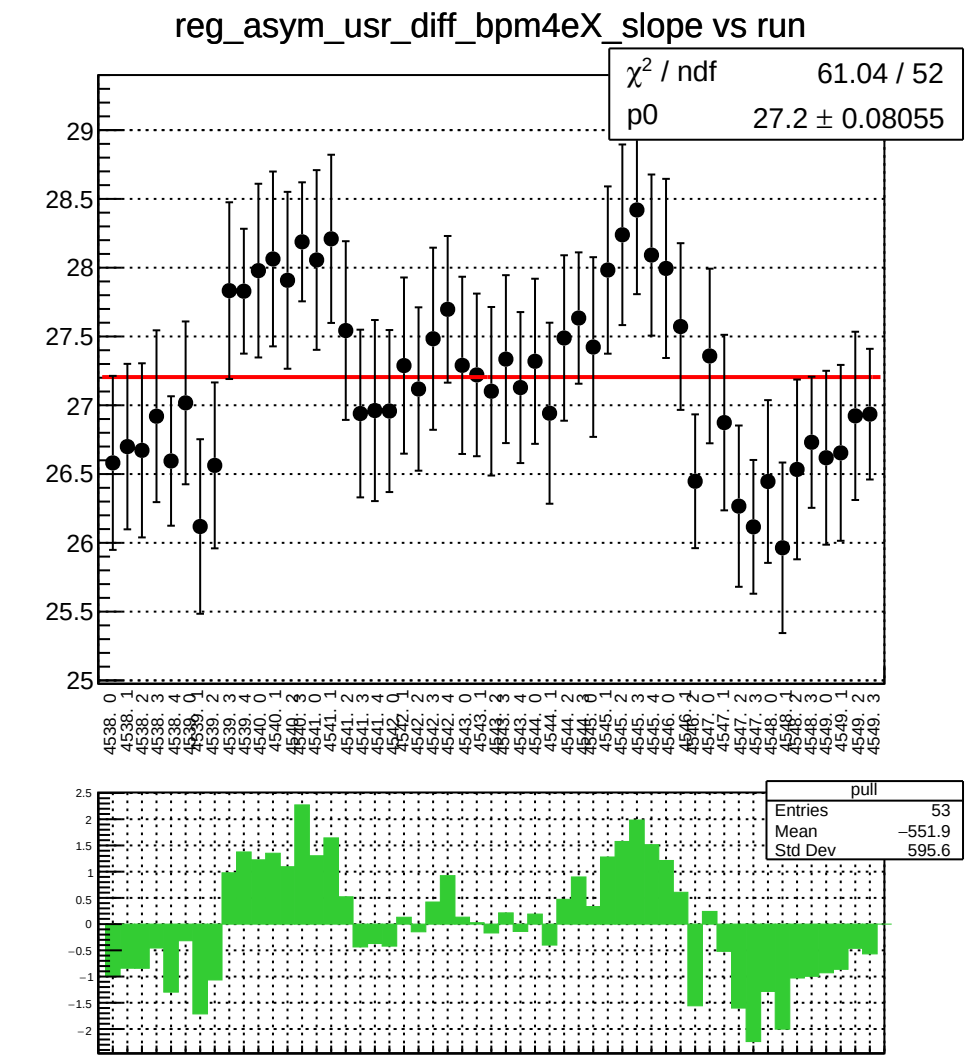

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 2.575 / 52
p0 −47.91 ± 0.2201
pull
Entries 53
Mean 437.4
Std Dev 410.5

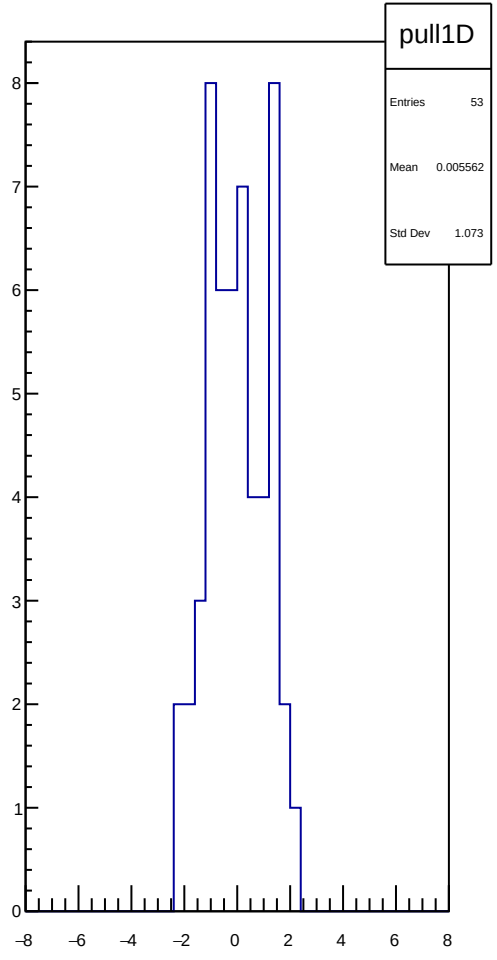

pull1D
Entries 53
Mean −0.002294
Std Dev 0.2204

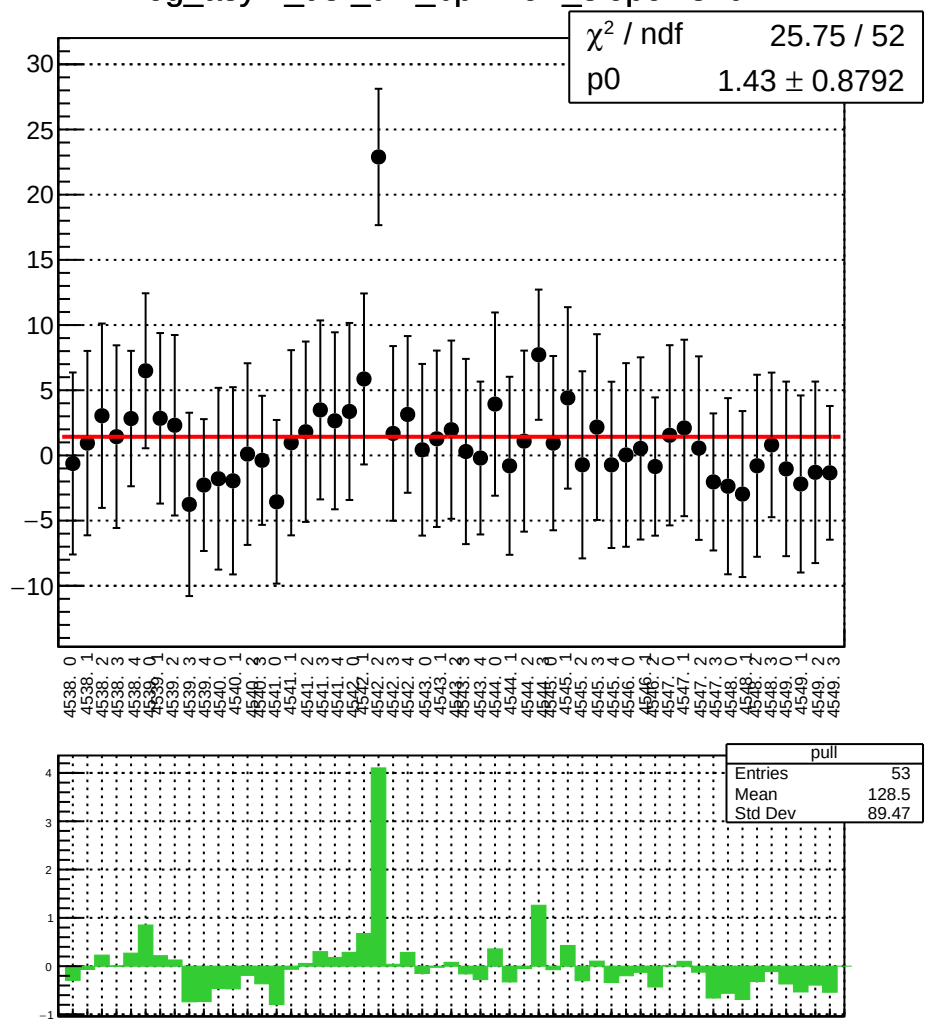

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 4.066 / 52
p0 −20.63 ± 0.491
pull
Entries 53
Mean 253.1
Std Dev 225.8
pull1D
Entries 53
Mean 0.008501
Std Dev 0.2769

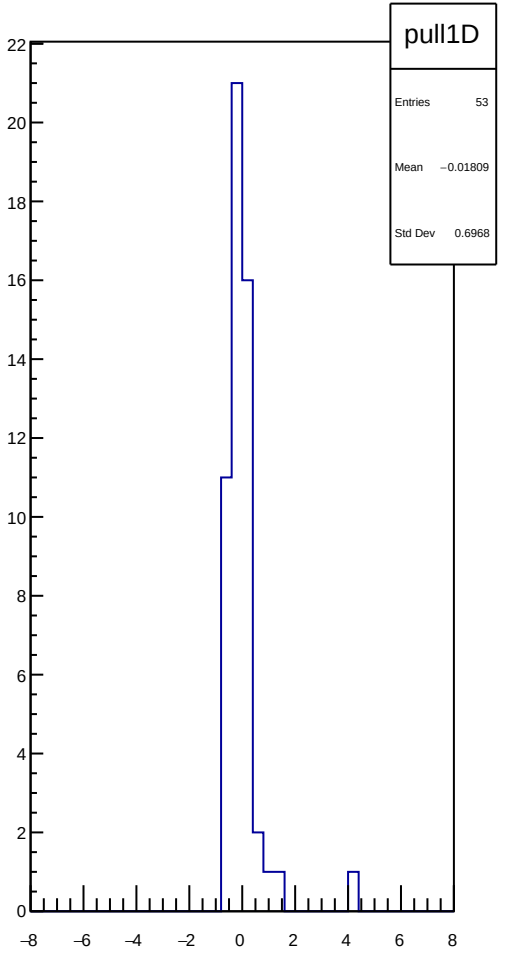

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 24.45 / 52
p0 11.85 ± 0.653
pull
Entries 53
Mean 108.3
Std Dev 66.64

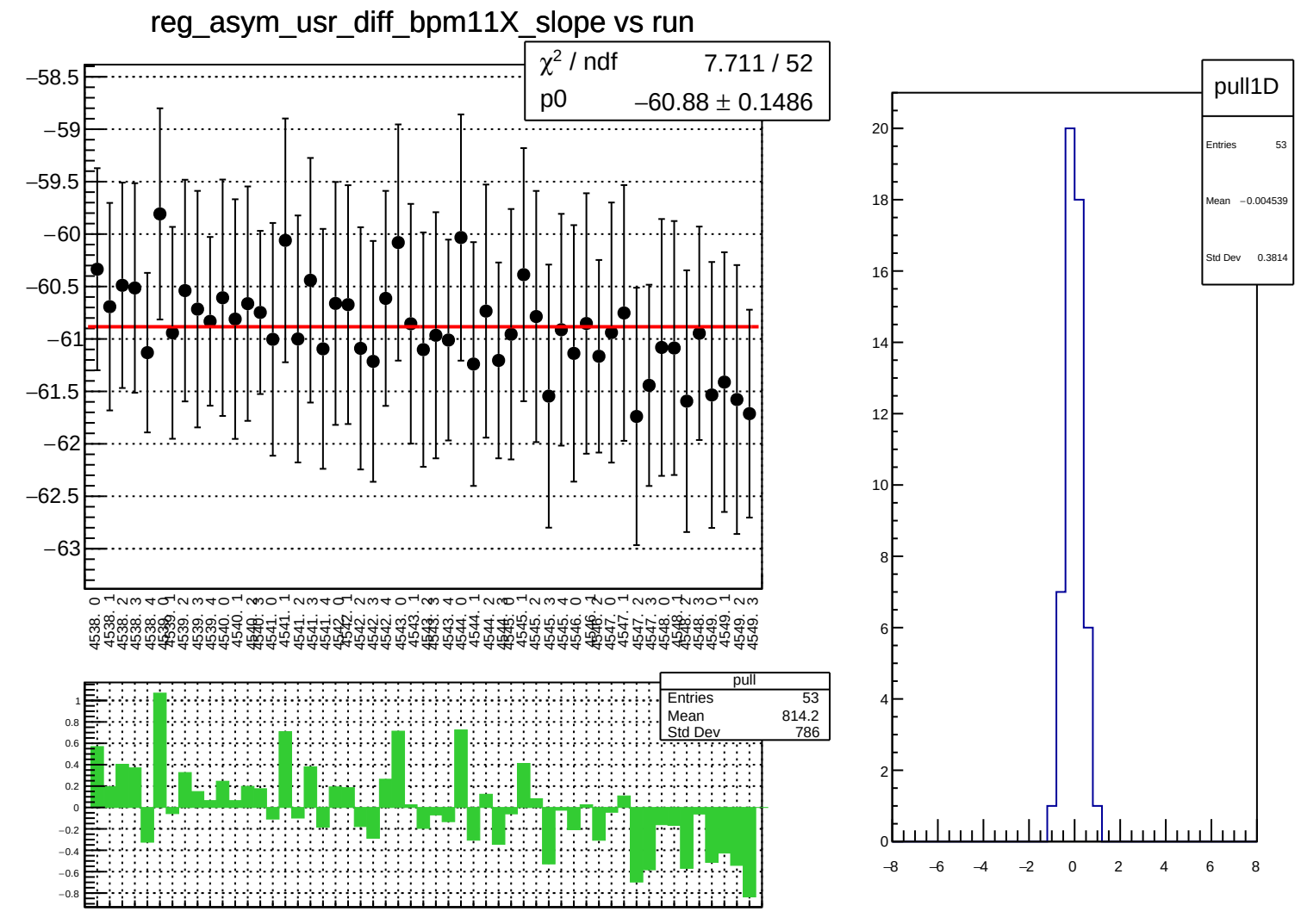

pull1D
Entries 53
Mean 0.01807
Std Dev 0.679

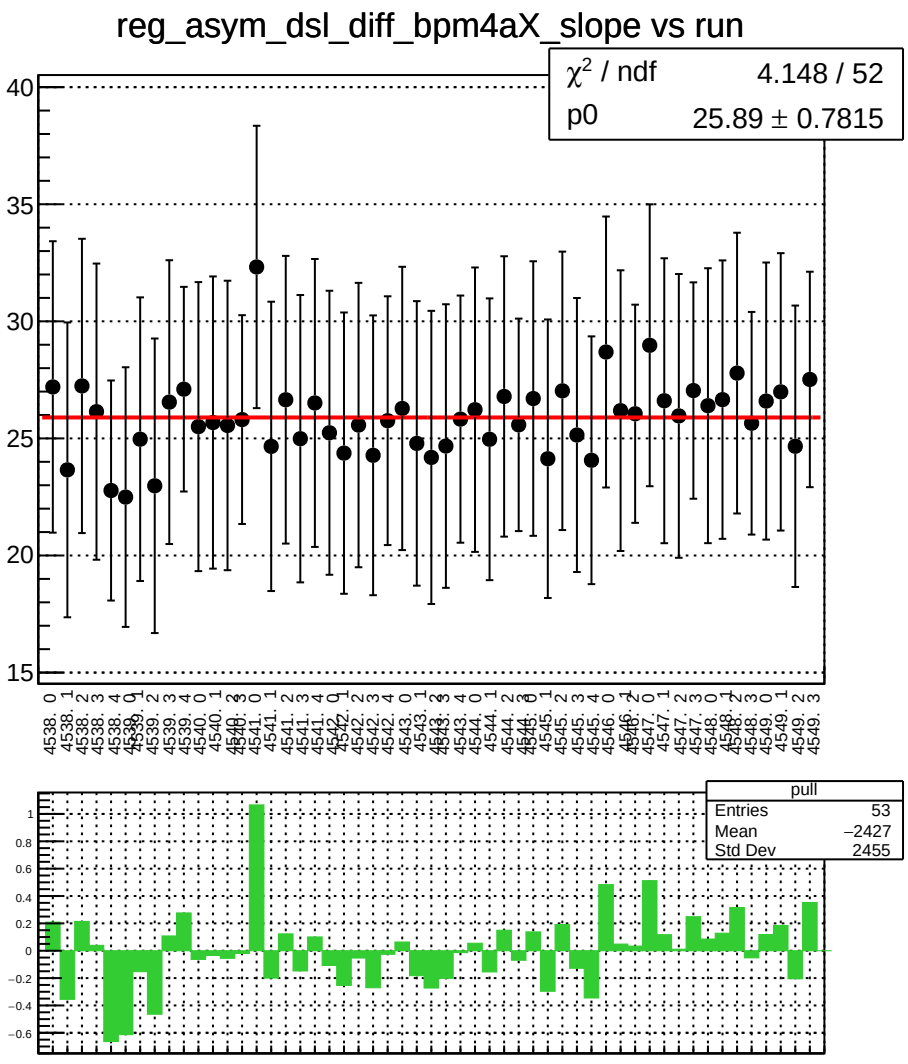

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 61.04 / 52
p0 27.2 ± 0.08055
pull
Entries 53
Mean −551.9
Std Dev 595.6

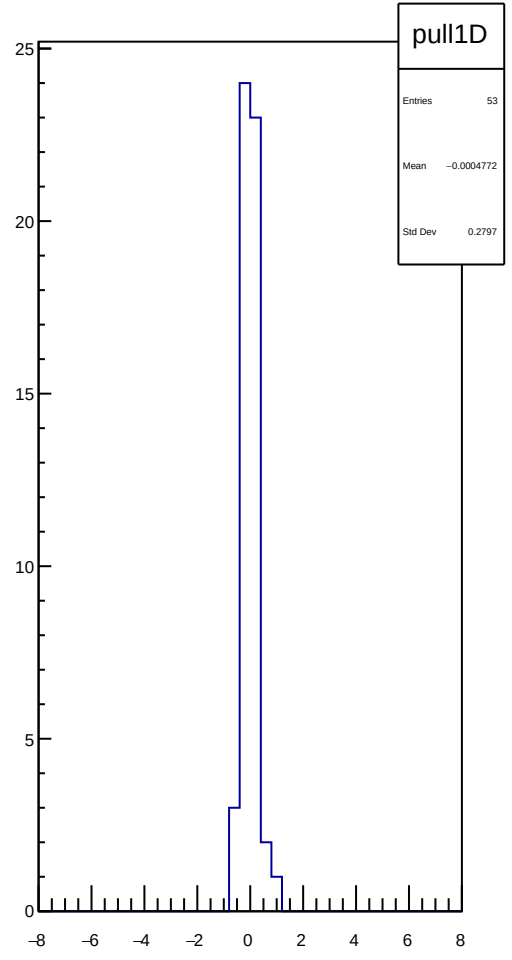

pull1D
Entries 53
Mean 0.005562
Std Dev 1.073

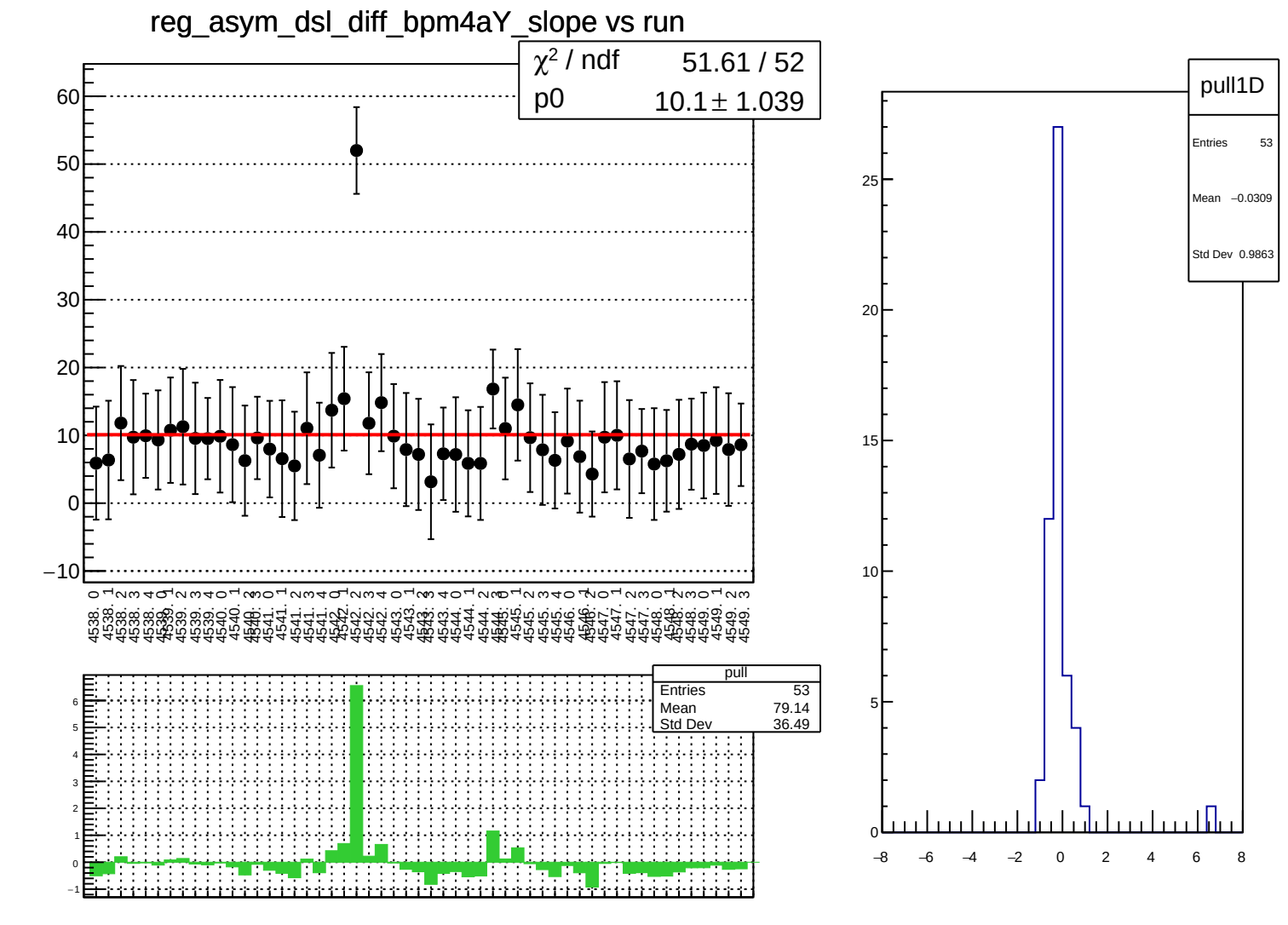

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 25.75 / 52
p0 1.43 ± 0.8792
pull
Entries 53
Mean 128.5
Std Dev 89.47

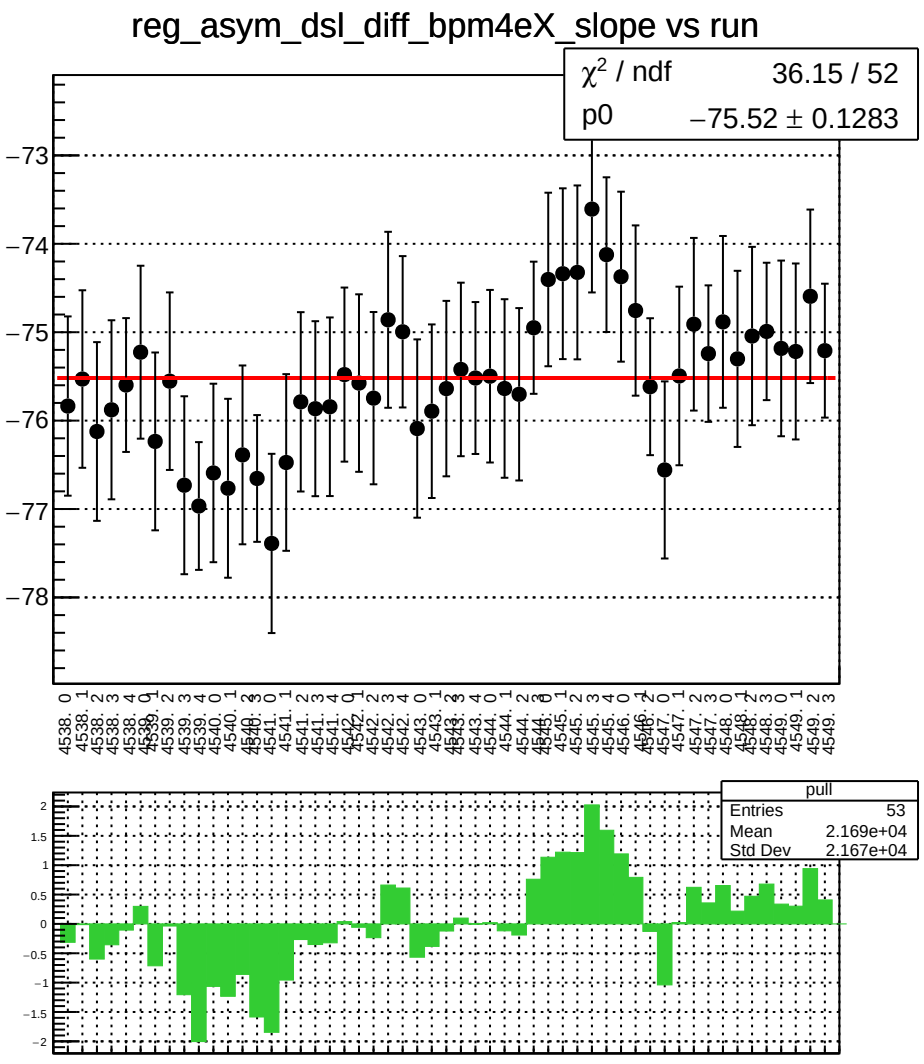

pull1D
Entries 53
Mean −0.01809
Std Dev 0.6968

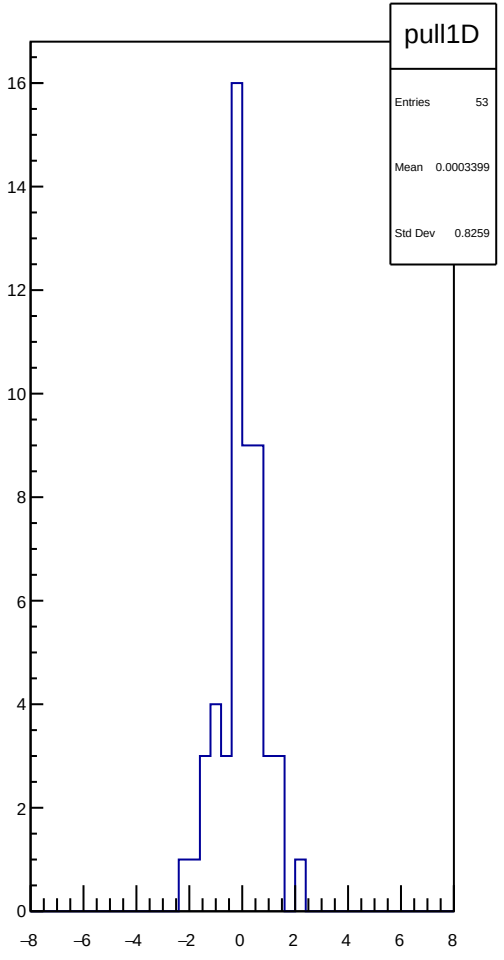

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 7.711 / 52
p0 −60.88 ± 0.1486
pull
Entries 53
Mean 814.2
Std Dev 786
pull1D
Entries 53
Mean −0.004539
Std Dev 0.3814

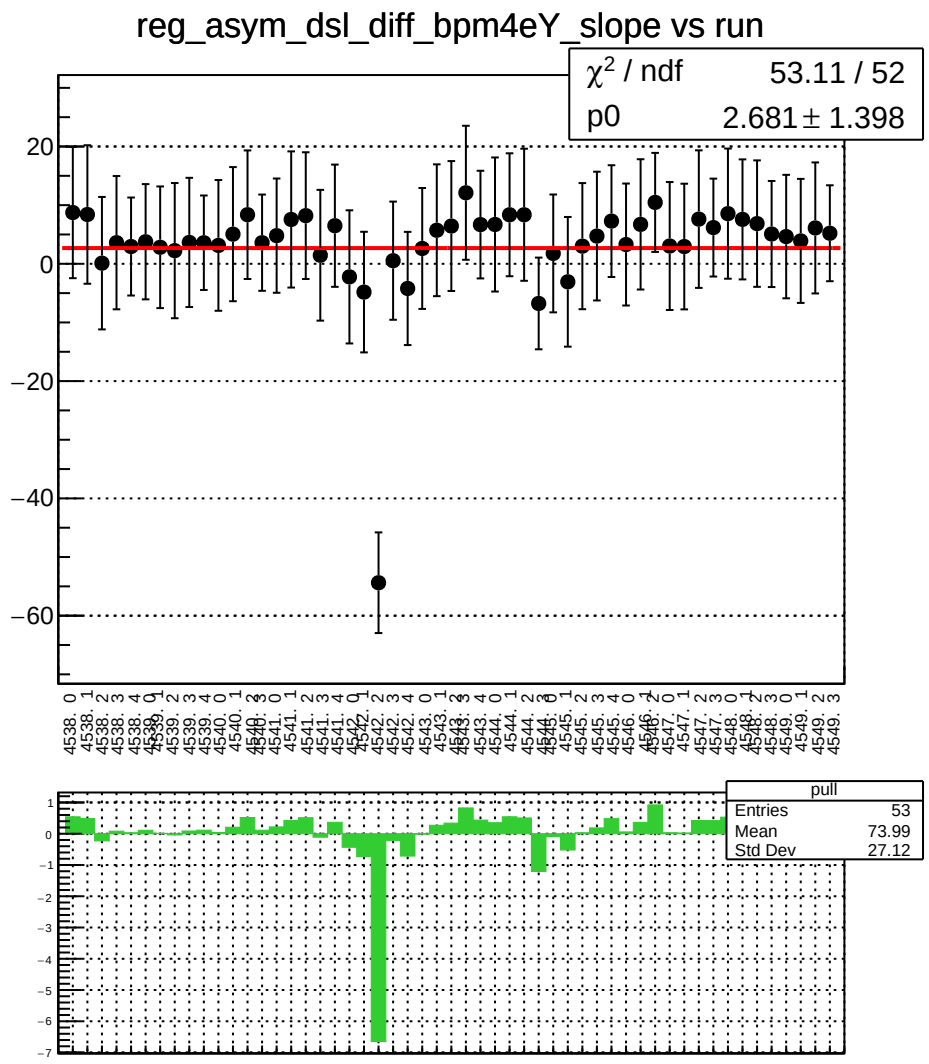

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 4.148 / 52
p0 25.89 ± 0.7815
pull
Entries 53
Mean −2427
Std Dev 2455

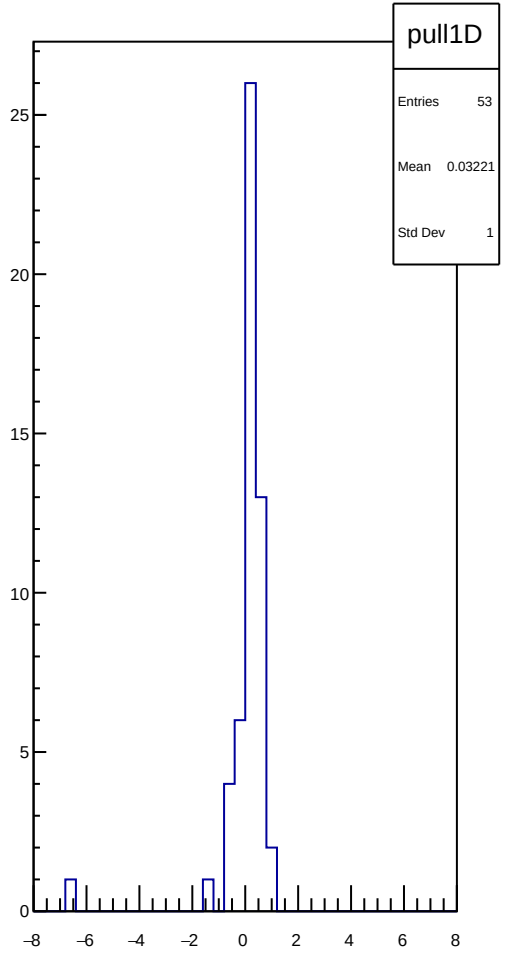

pull1D
Entries 53
Mean −0.0004772
Std Dev 0.2797

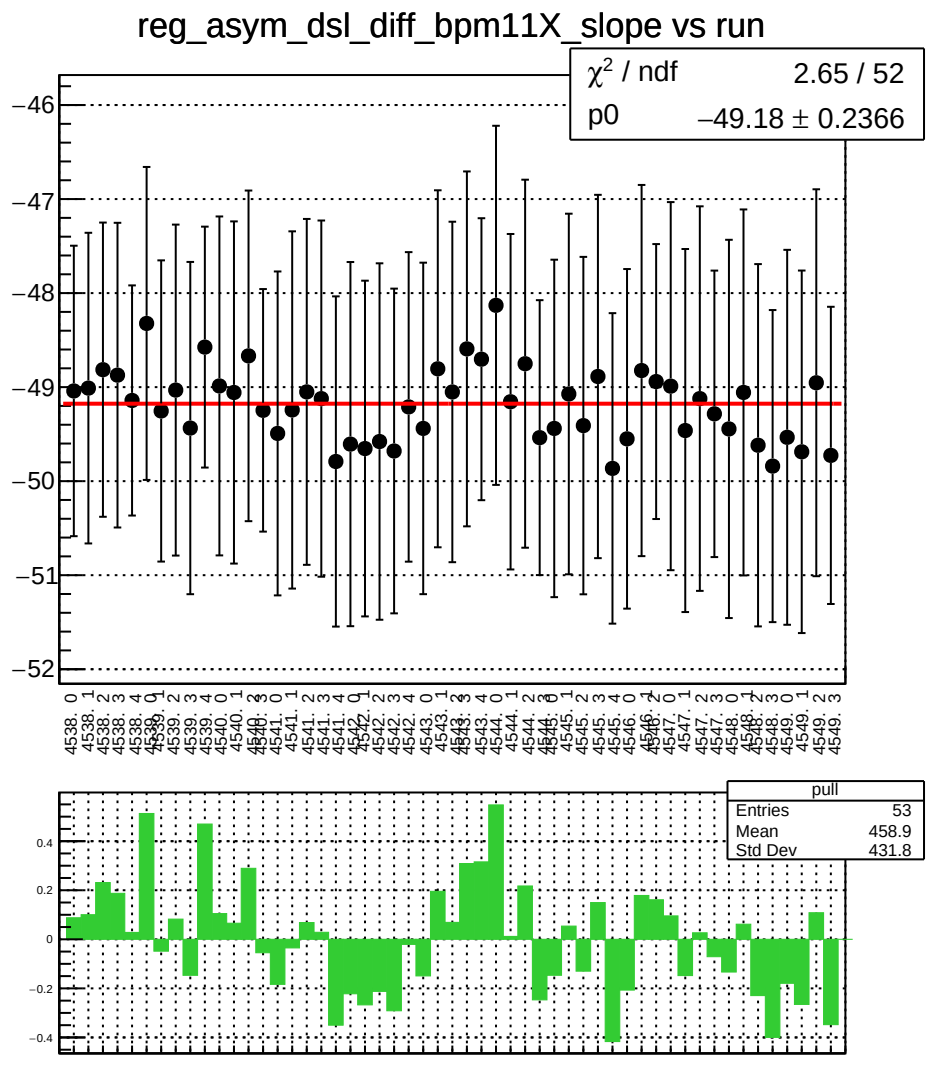

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 51.61 / 52
p0 10.1 ± 1.039
pull
Entries 53
Mean 79.14
Std Dev 36.49
pull1D
Entries 53
Mean −0.0309
Std Dev 0.9863

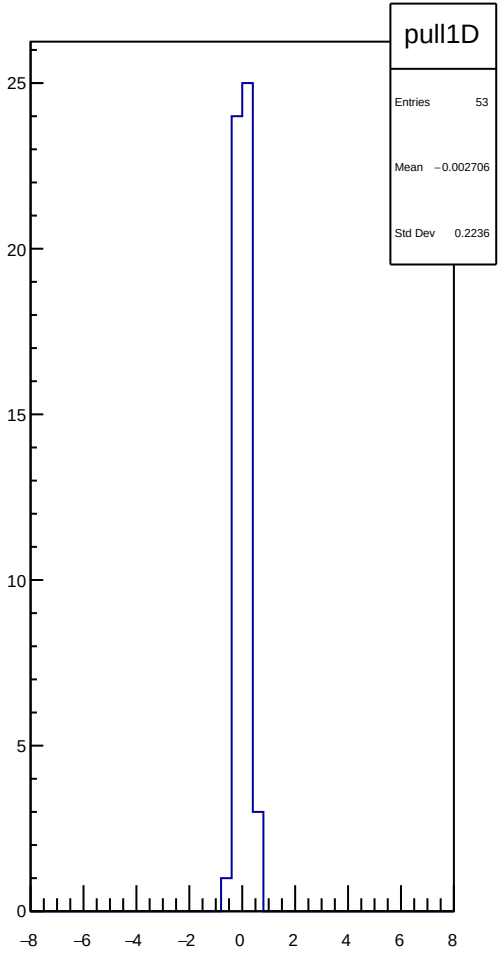

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 36.15 / 52
p0 −75.52 ± 0.1283
pull
Entries 53
Mean 2.169e+04
Std Dev 2.167e+04

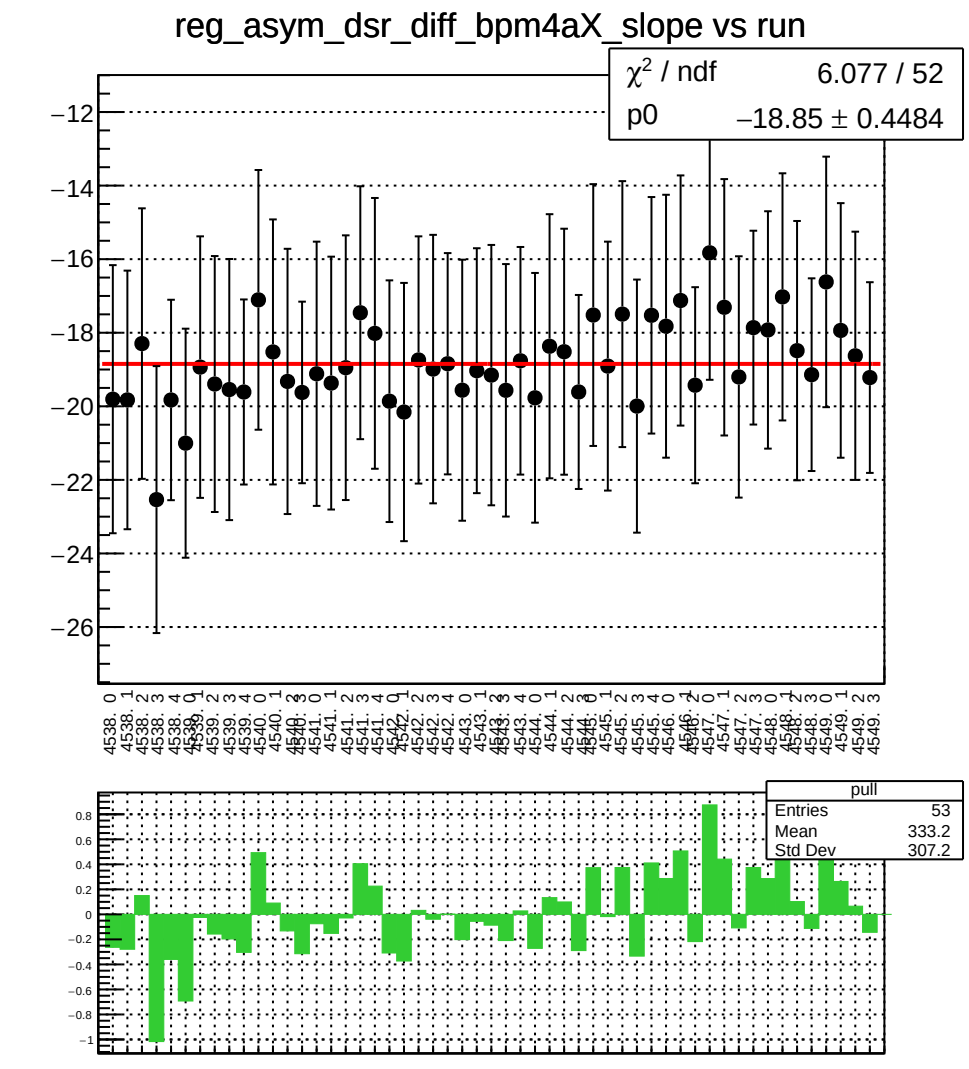

pull1D
Entries 53
Mean 0.0003399
Std Dev 0.8259

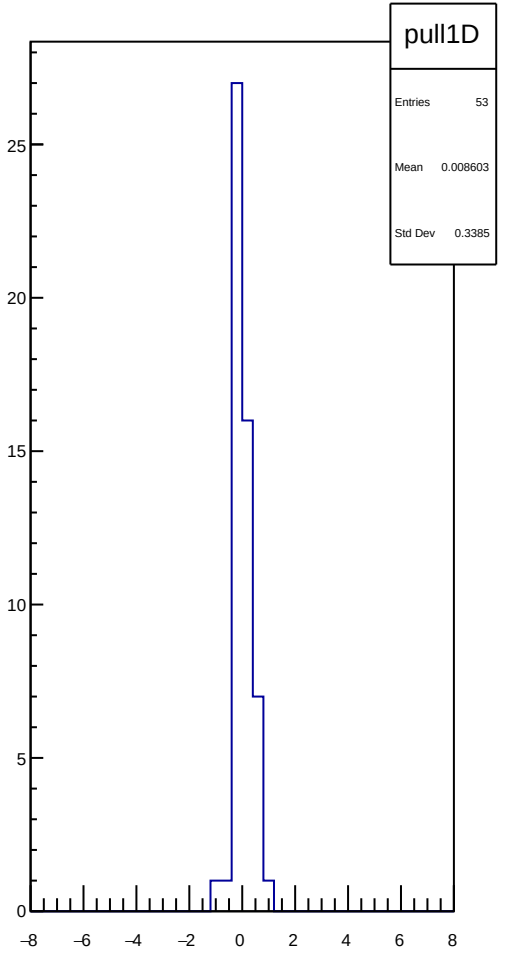

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 53.11 / 52
p0 2.681 ± 1.398
pull
Entries 53
Mean 73.99
Std Dev 27.12

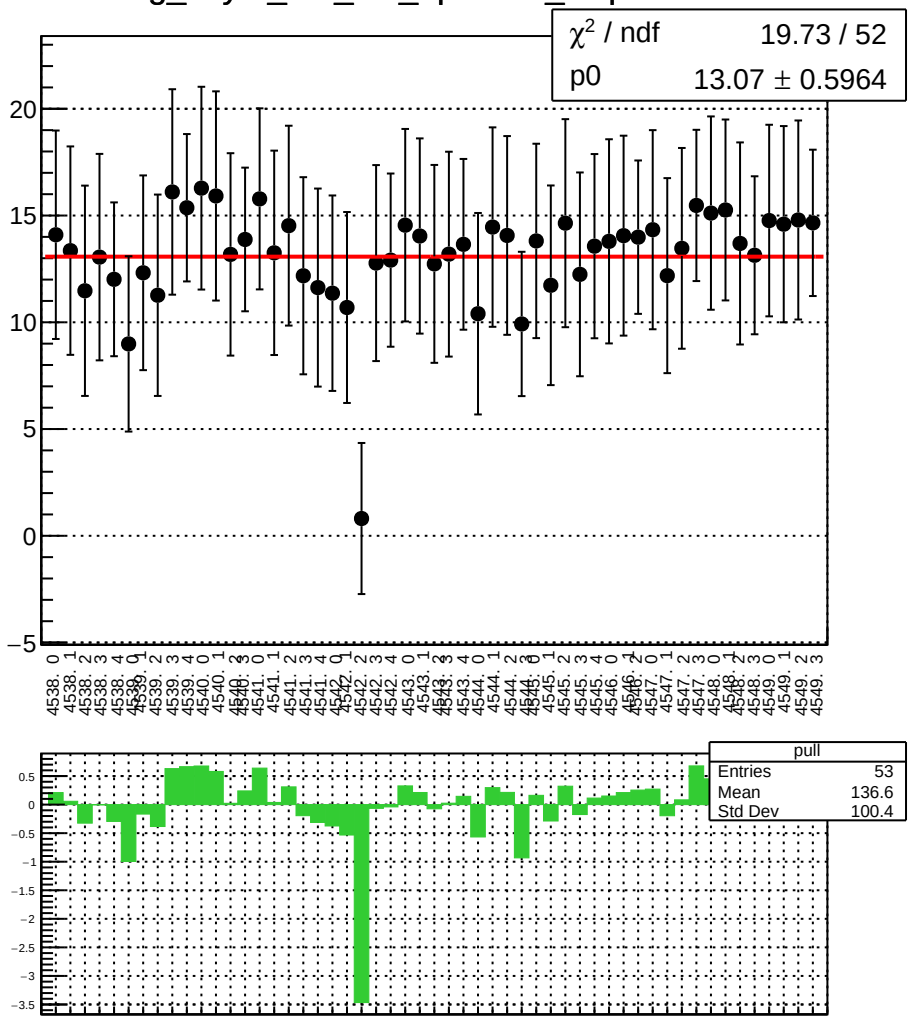

pull1D
Entries 53
Mean 0.03221
Std Dev 1

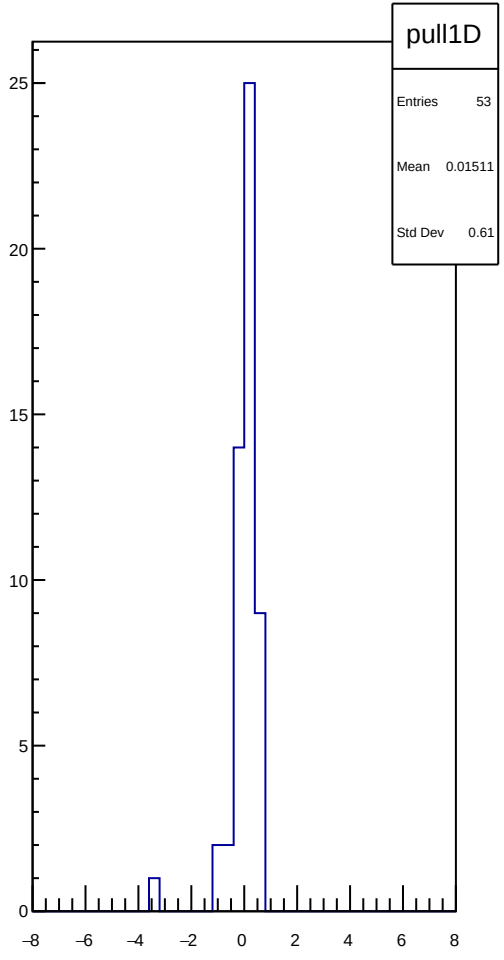

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 2.65 / 52
p0 −49.18 ± 0.2366
pull
Entries 53
Mean 458.9
Std Dev 431.8

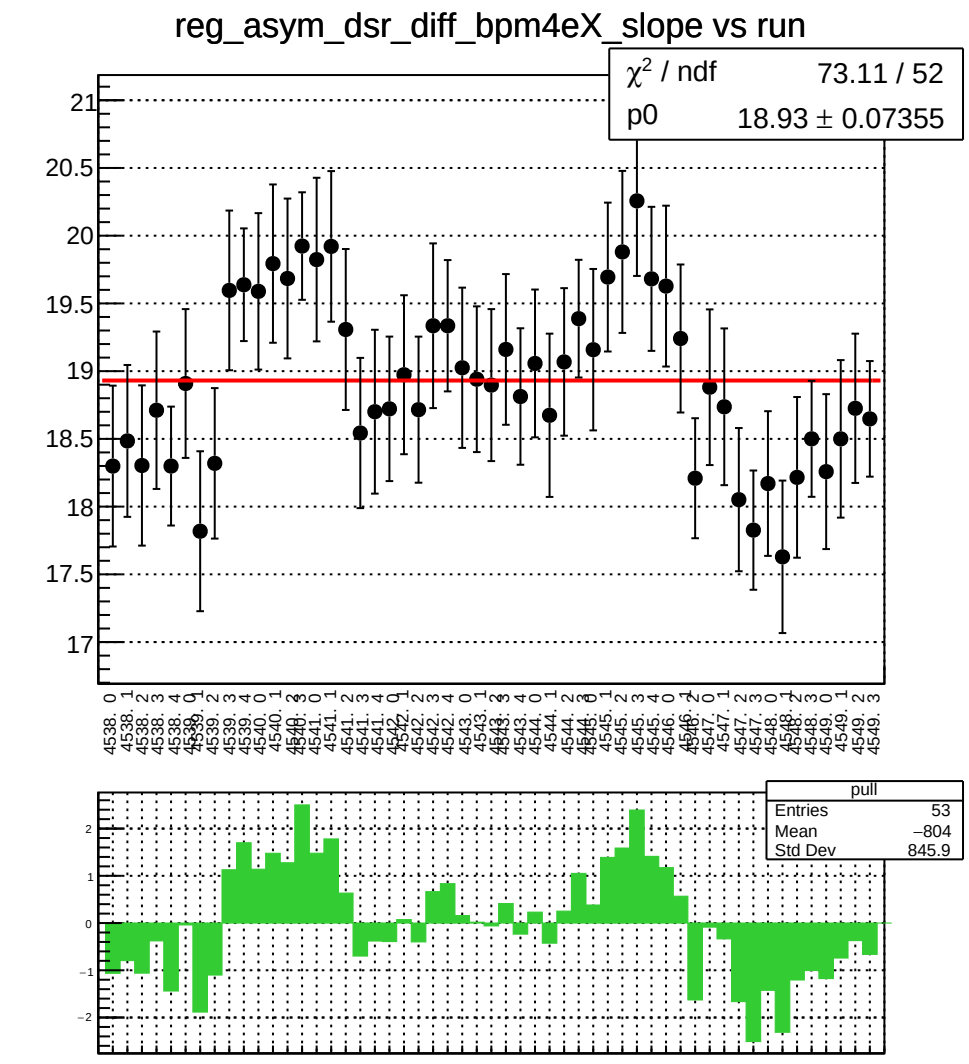

pull1D
Entries 53
Mean −0.002706
Std Dev 0.2236

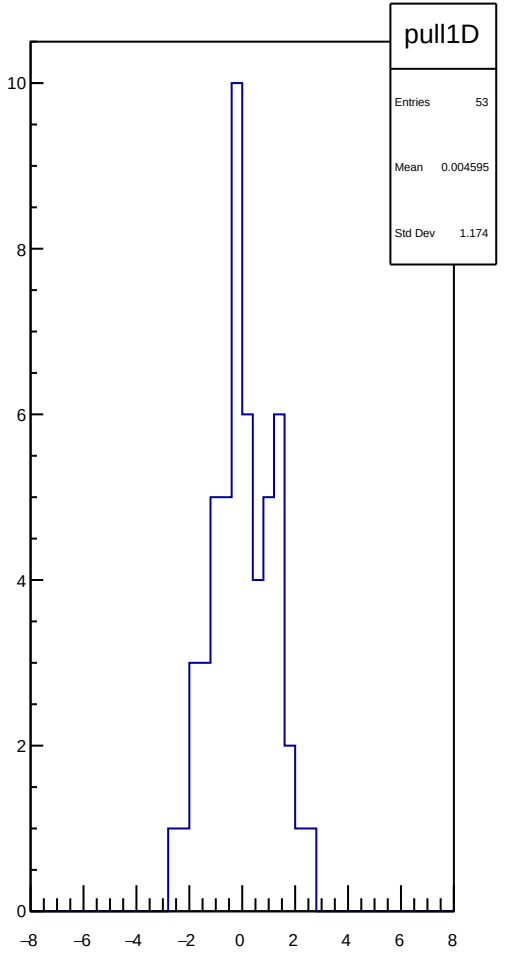

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 6.077 / 52
p0 −18.85 ± 0.4484
pull
Entries 53
Mean 333.2
Std Dev 307.2

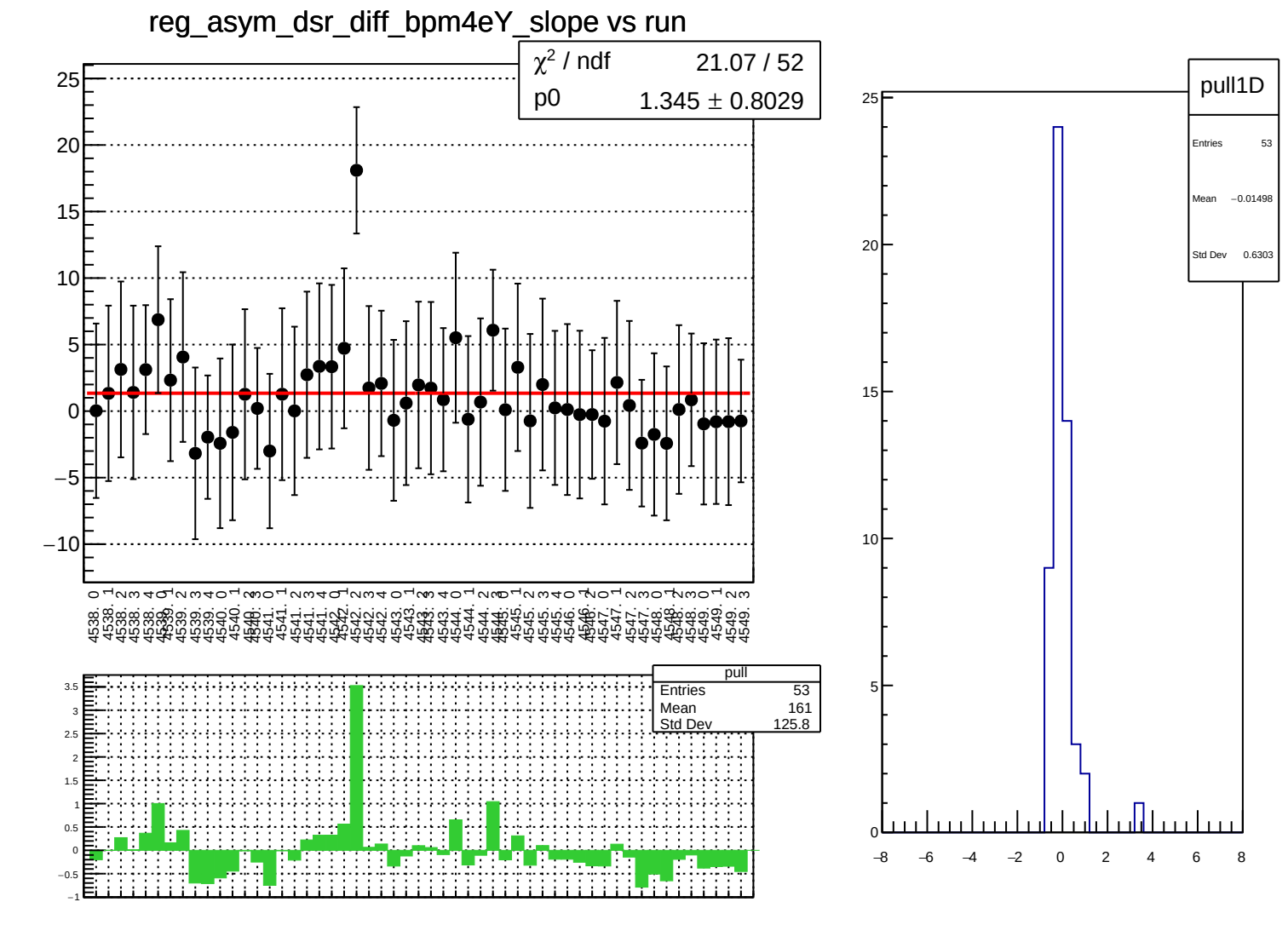

pull1D
Entries 53
Mean 0.008603
Std Dev 0.3385

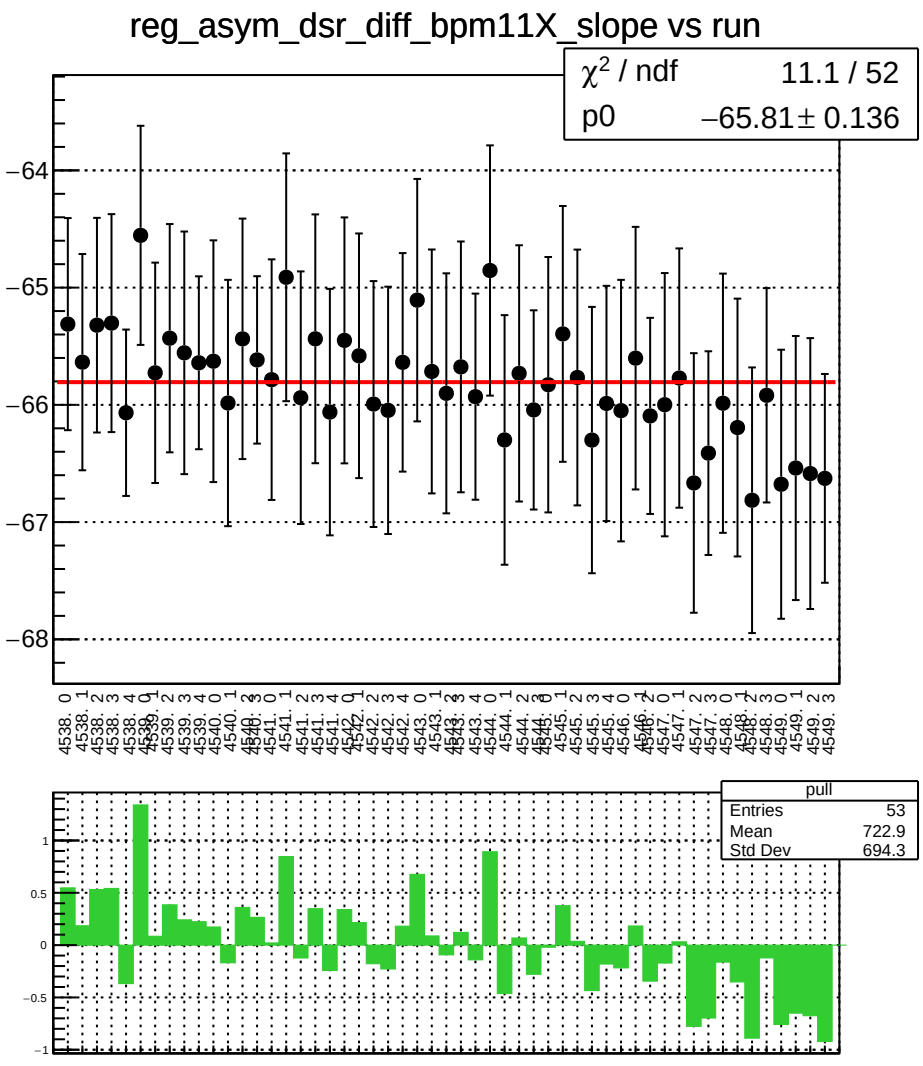

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 19.73 / 52
p0 13.07 ± 0.5964
pull
Entries 53
Mean 136.6
Std Dev 100.4

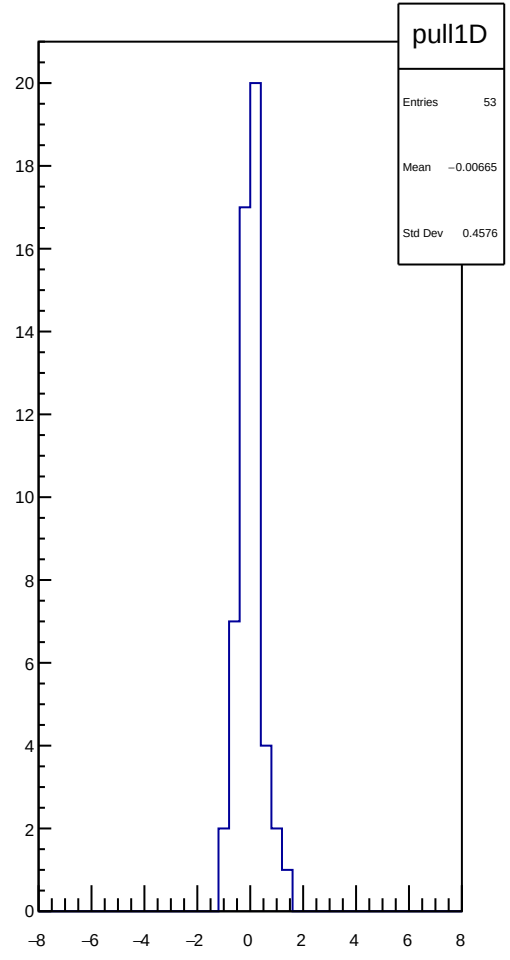

pull1D
Entries 53
Mean 0.01511
Std Dev 0.61

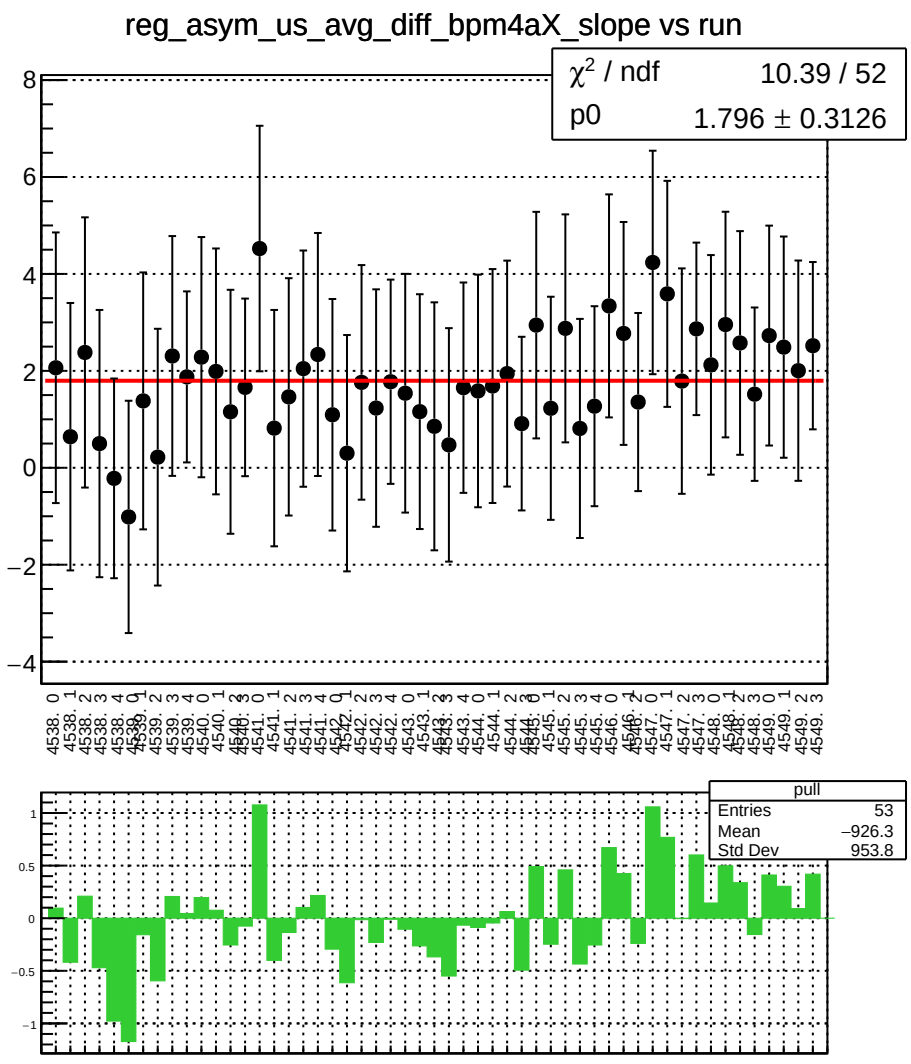

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 73.11 / 52
p0 18.93 ± 0.07355
pull
Entries 53
Mean −804
Std Dev 845.9

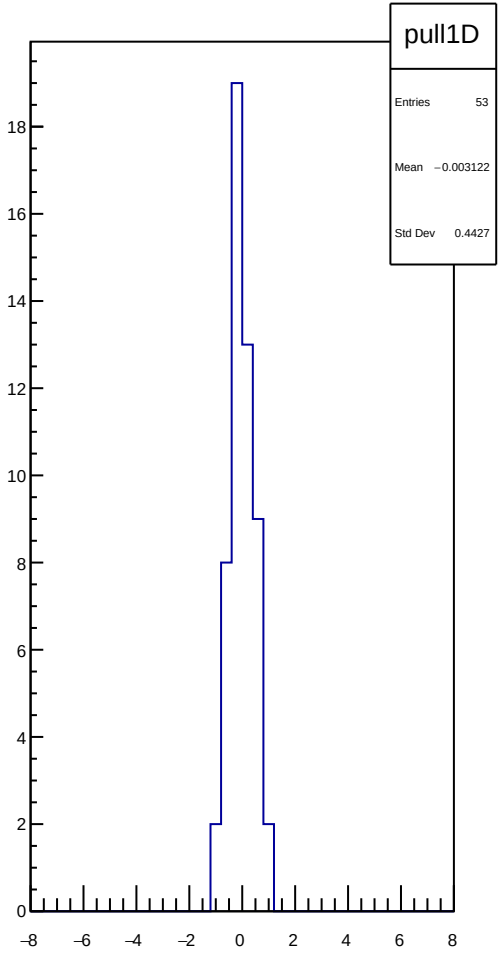

pull1D
Entries 53
Mean 0.004595
Std Dev 1.174

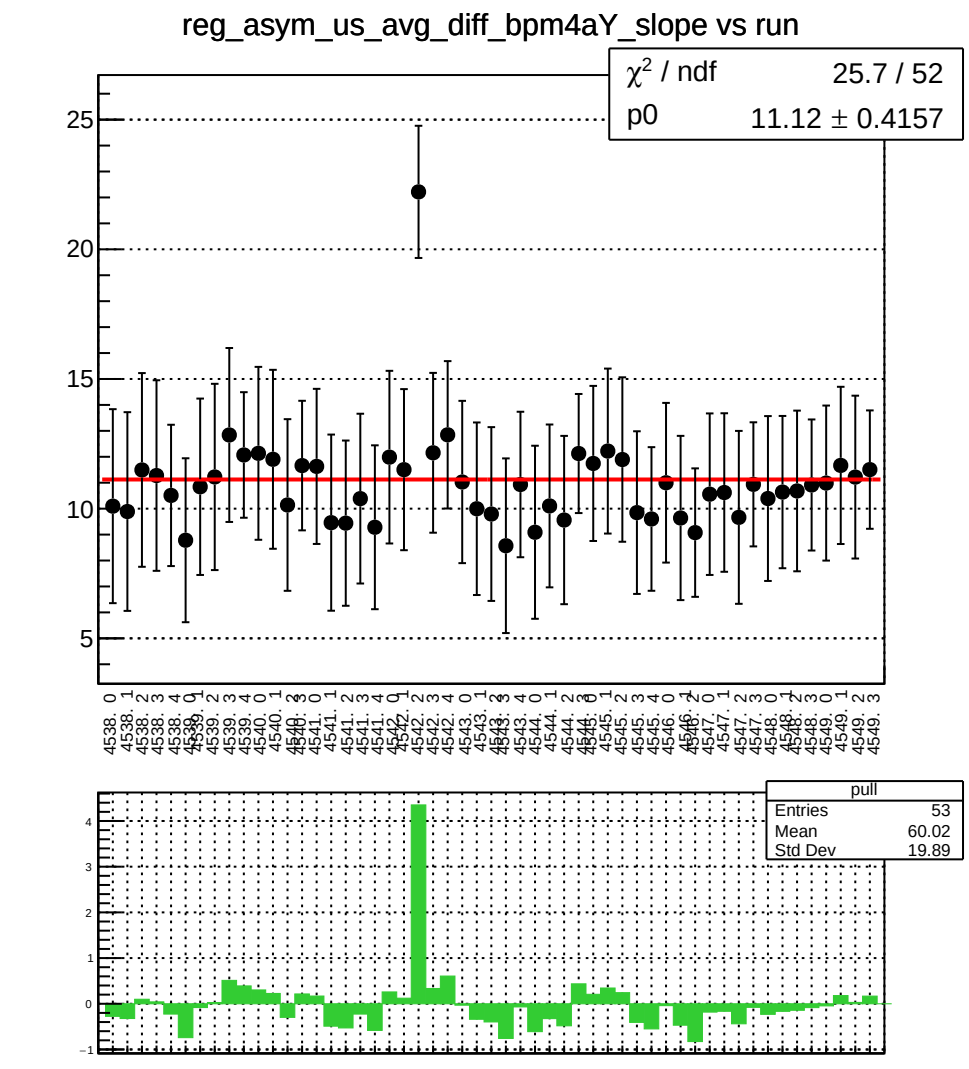

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 21.07 / 52
p0 1.345 ± 0.8029
pull
Entries 53
Mean 161
Std Dev 125.8
pull1D
Entries 53
Mean −0.01498
Std Dev 0.6303

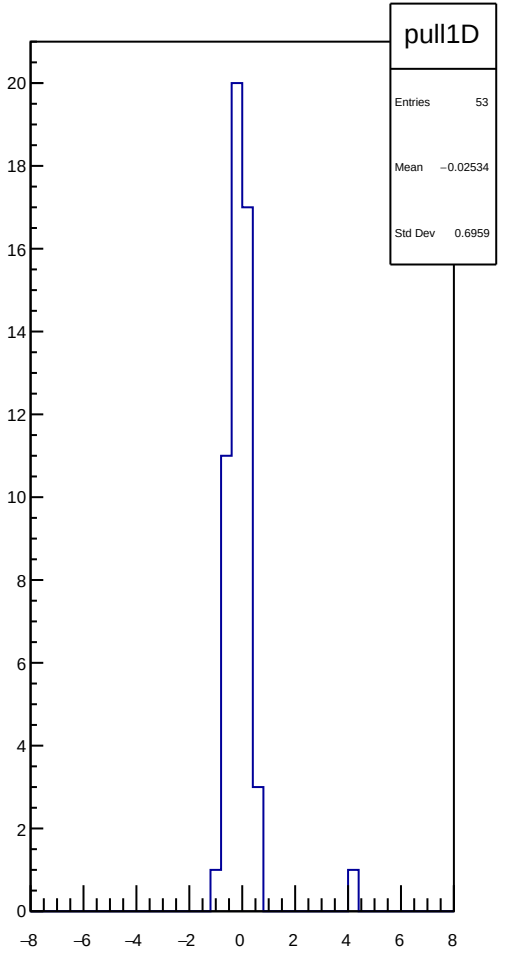

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 11.1 / 52
p0 −65.81 ± 0.136
pull
Entries 53
Mean 722.9
Std Dev 694.3

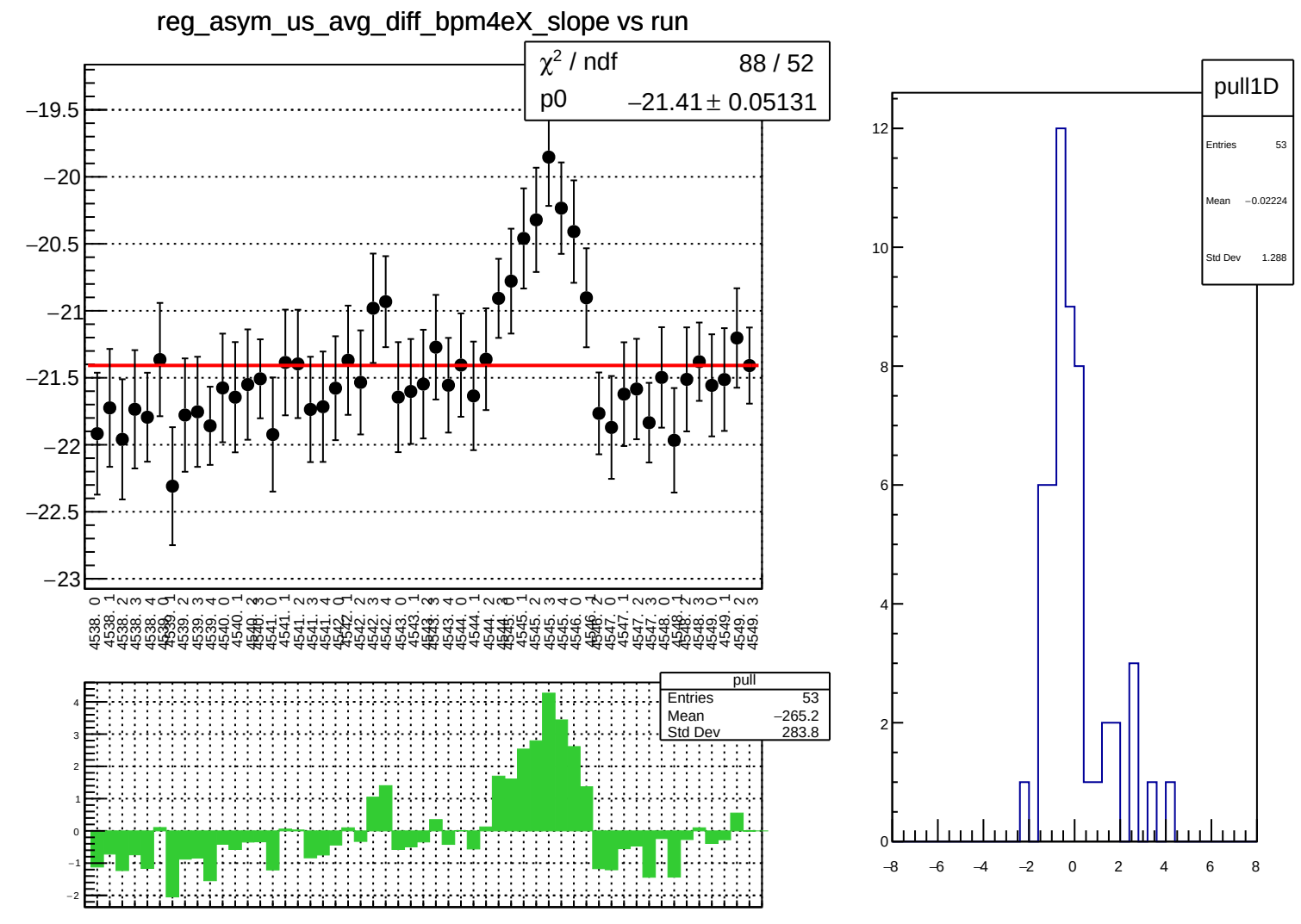

pull1D
Entries 53
Mean −0.00665
Std Dev 0.4576

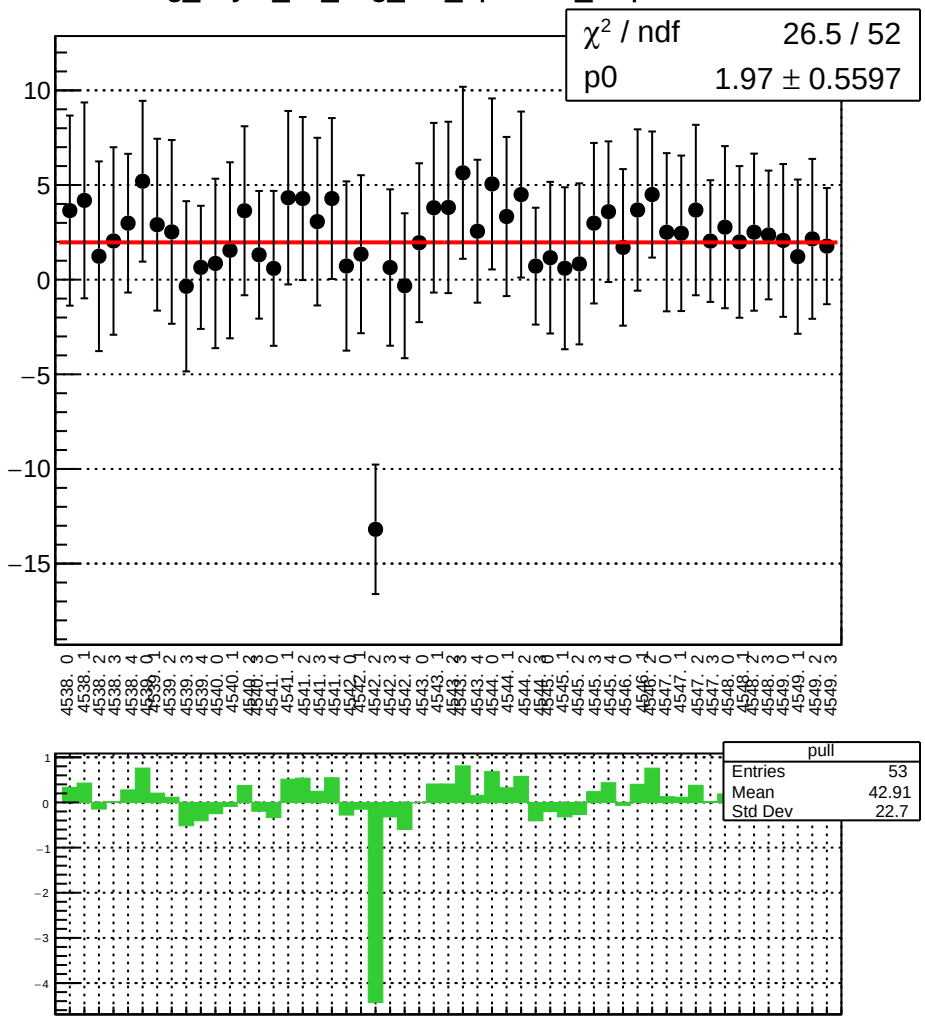

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.39 / 52
p0 1.796 ± 0.3126
pull
Entries 53
Mean −926.3
Std Dev 953.8

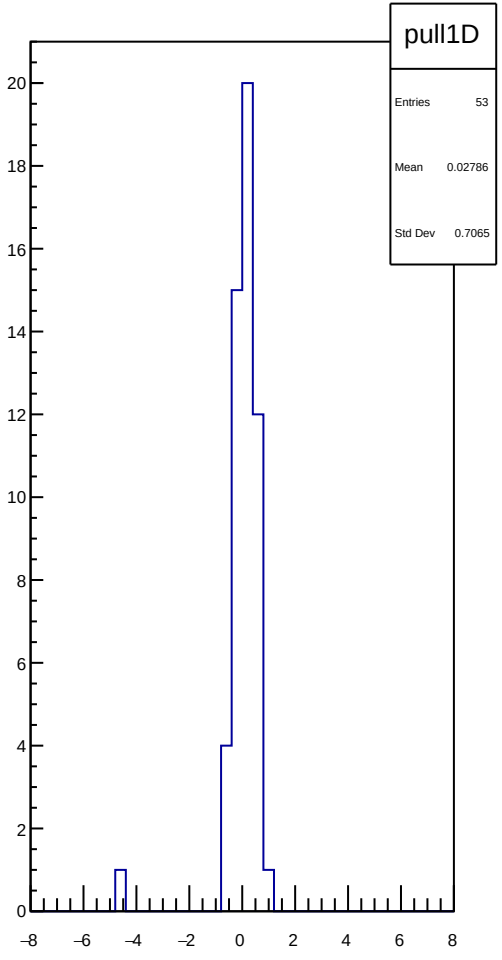

pull1D
Entries 53
Mean −0.003122
Std Dev 0.4427

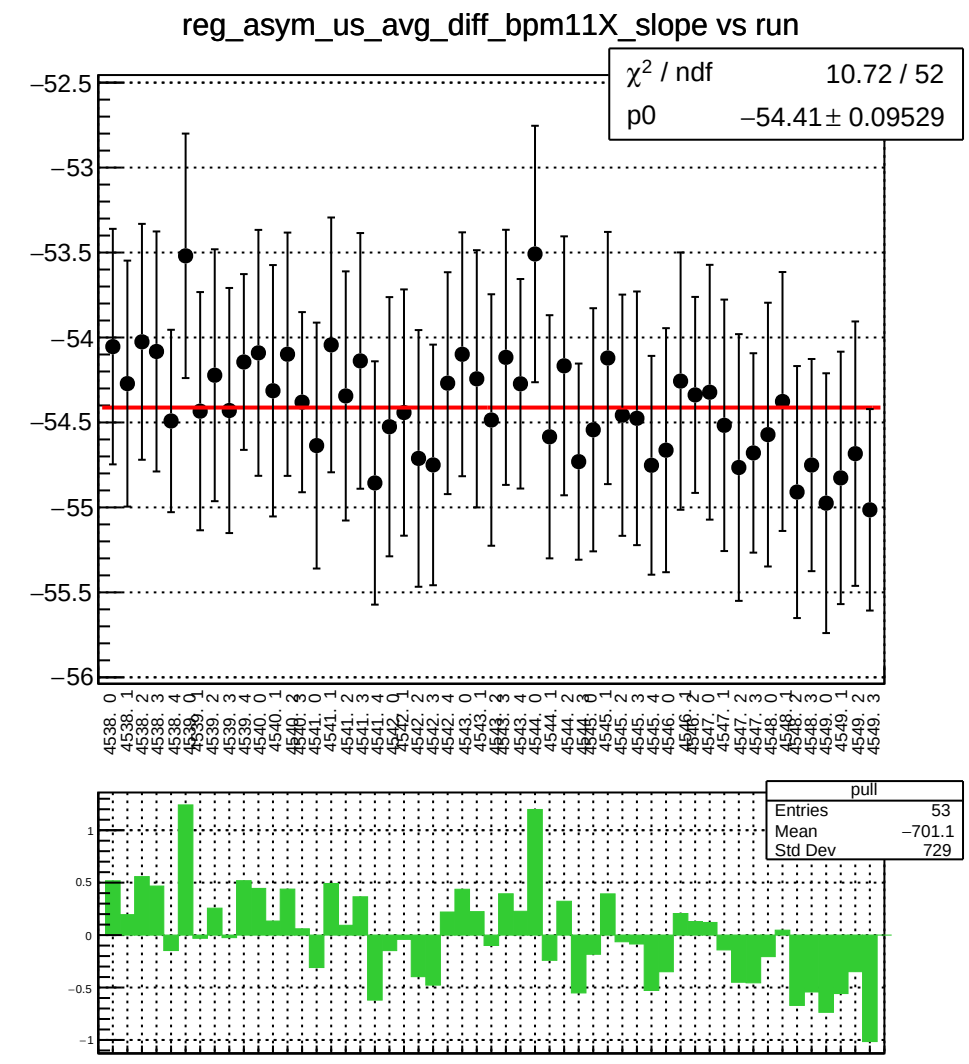

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.7 / 52
p0 11.12 ± 0.4157
pull
Entries 53
Mean 60.02
Std Dev 19.89

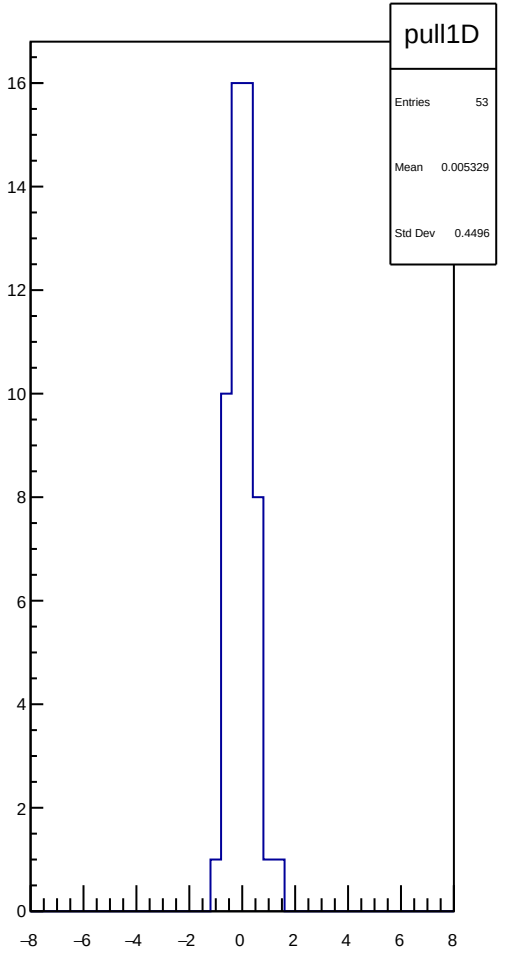

pull1D
Entries 53
Mean −0.02534
Std Dev 0.6959

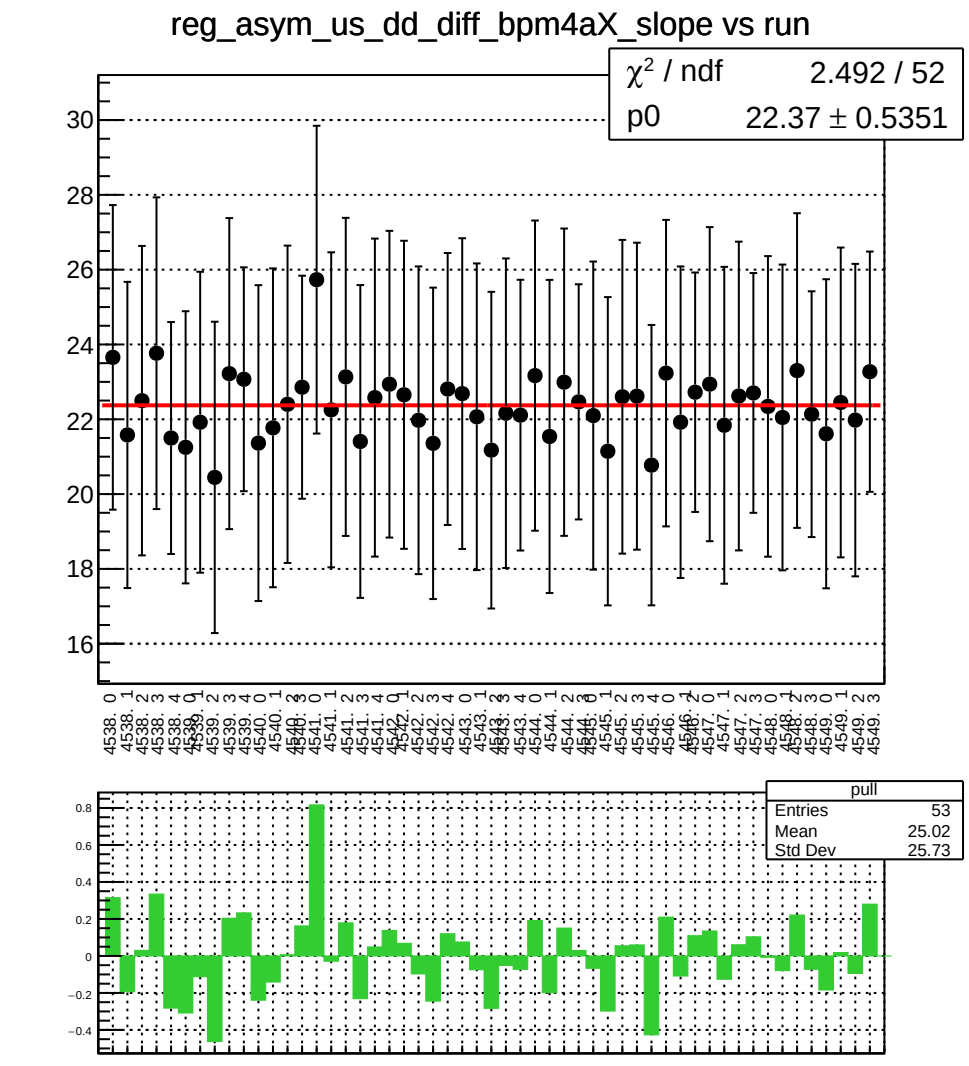

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 88 / 52
p0 −21.41 ± 0.05131
pull
Entries 53
Mean −265.2
Std Dev 283.8
pull1D
Entries 53
Mean −0.02224
Std Dev 1.288

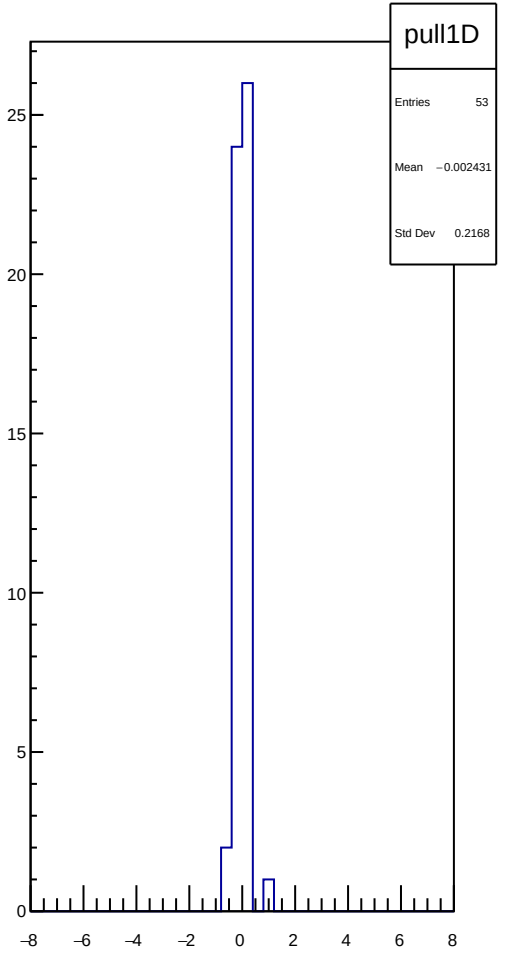

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.5 / 52
p0 1.97 ± 0.5597
pull
Entries 53
Mean 42.91
Std Dev 22.7

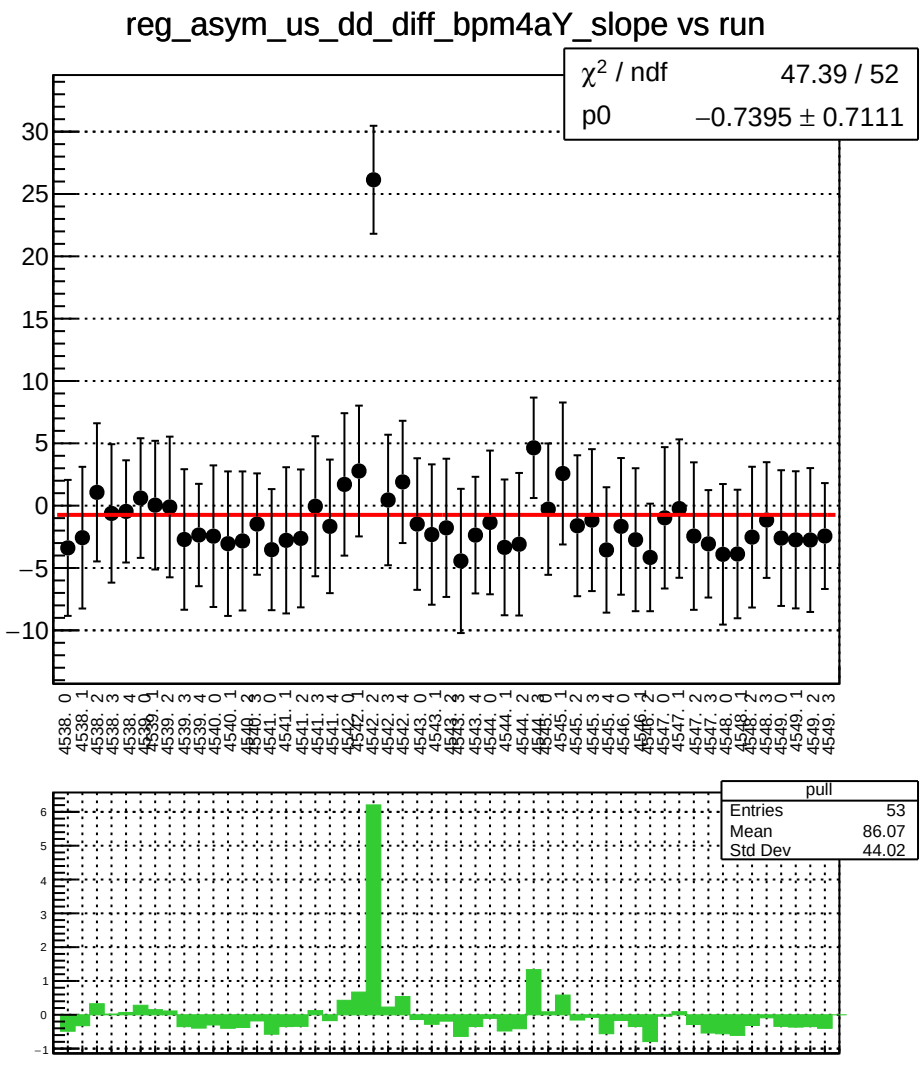

pull1D
Entries 53
Mean 0.02786
Std Dev 0.7065

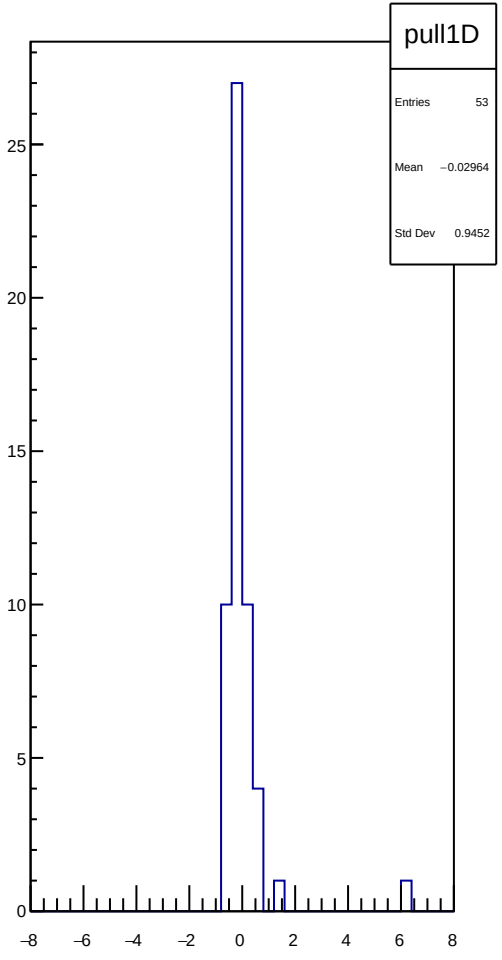

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 10.72 / 52
p0 −54.41 ± 0.09529
pull
Entries 53
Mean −701.1
Std Dev 729

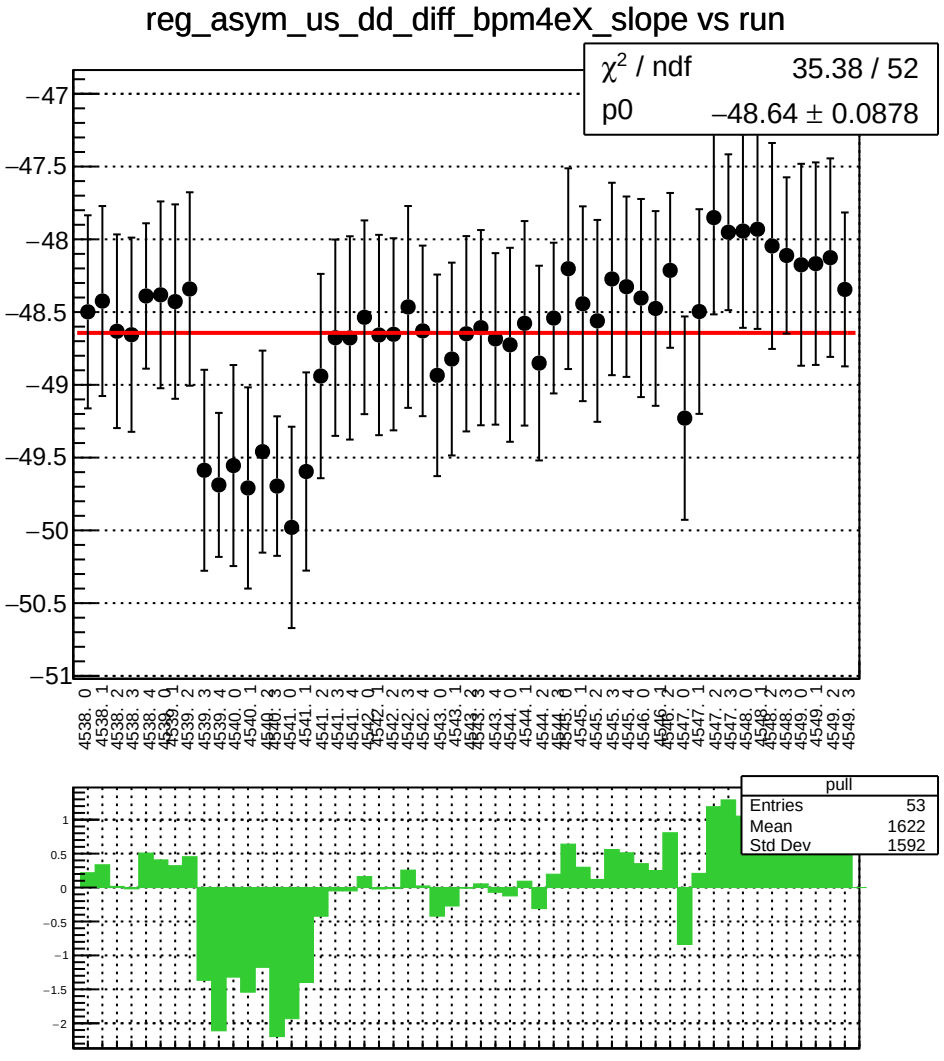

pull1D
Entries 53
Mean 0.005329
Std Dev 0.4496

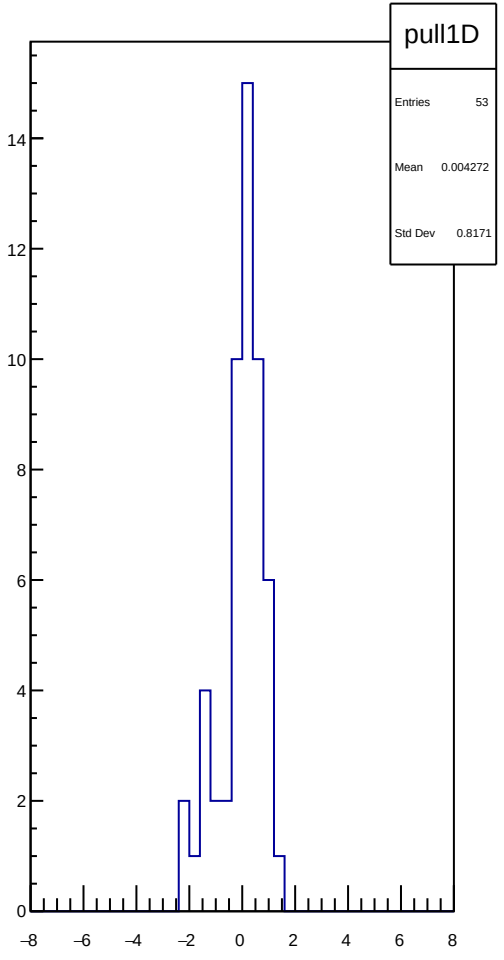

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.492 / 52
p0 22.37 ± 0.5351
pull
Entries 53
Mean 25.02
Std Dev 25.73

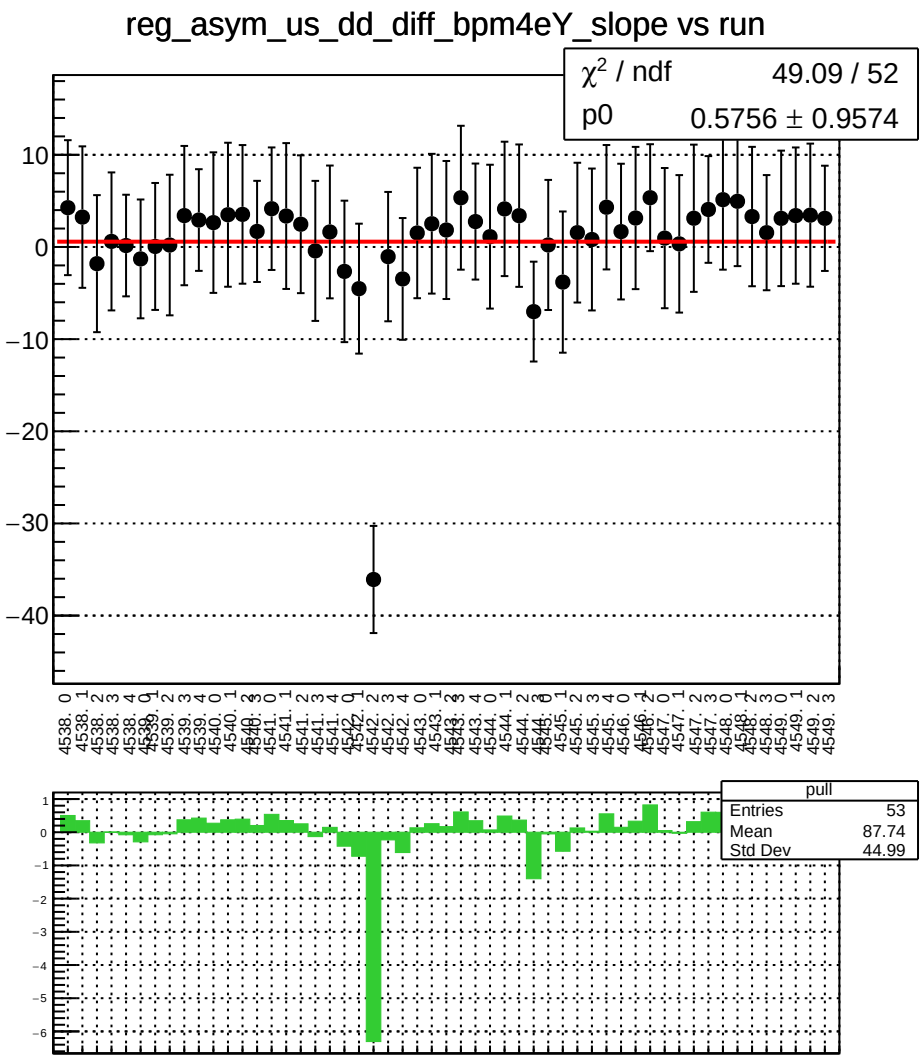

pull1D
Entries 53
Mean −0.002431
Std Dev 0.2168

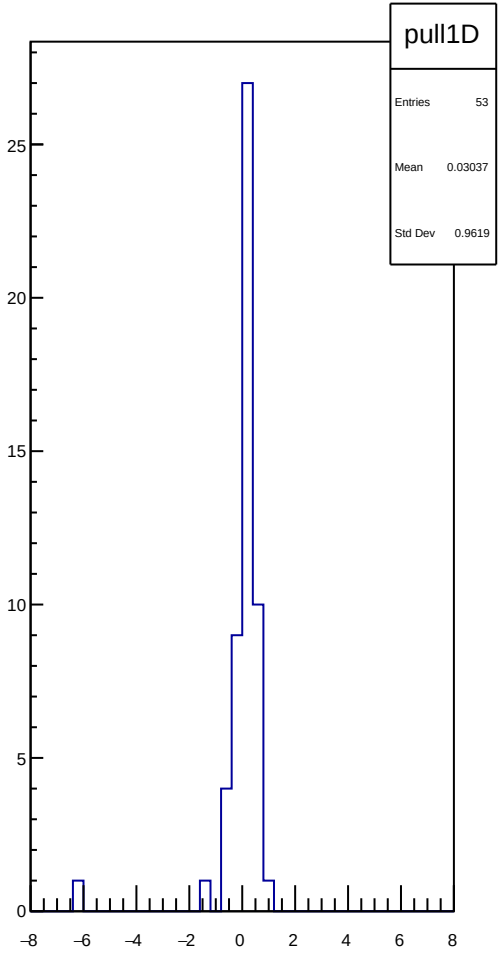

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.39 / 52
p0 −0.7395 ± 0.7111
pull
Entries 53
Mean 86.07
Std Dev 44.02

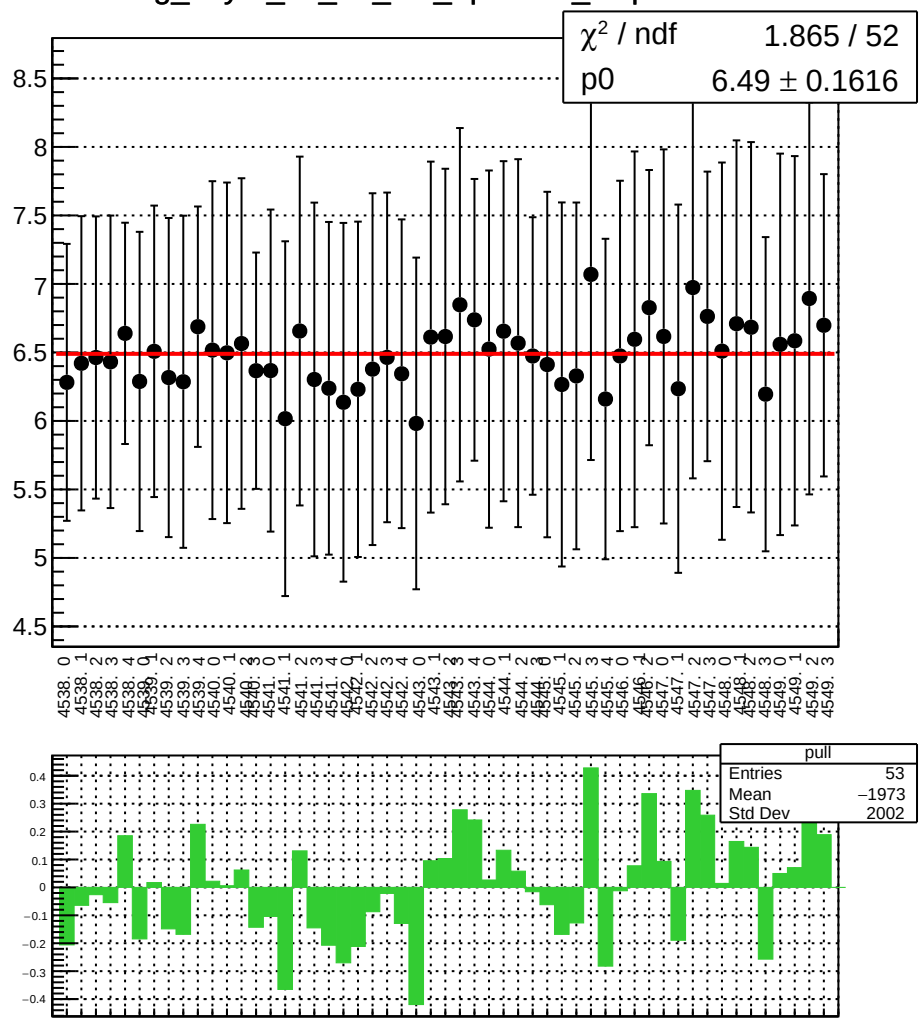

pull1D
Entries 53
Mean −0.02964
Std Dev 0.9452

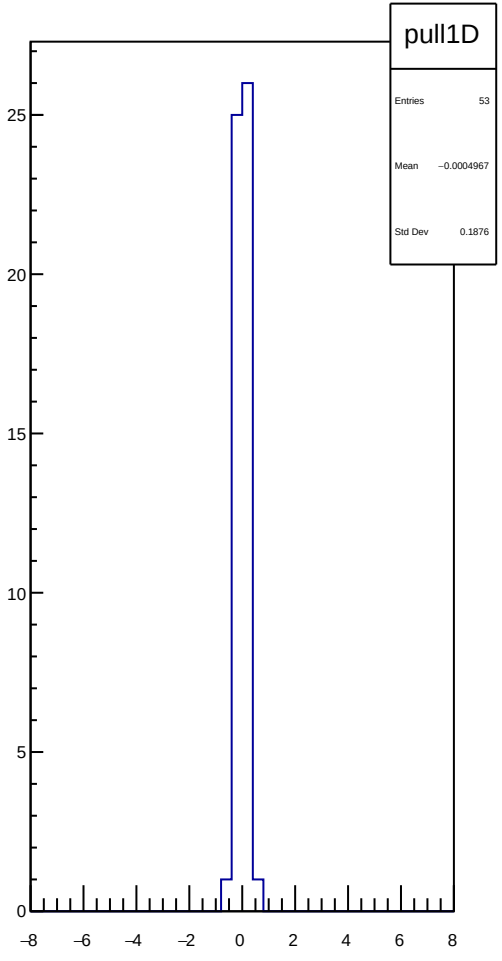

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.38 / 52
p0 −48.64 ± 0.0878
pull
Entries 53
Mean 1622
Std Dev 1592

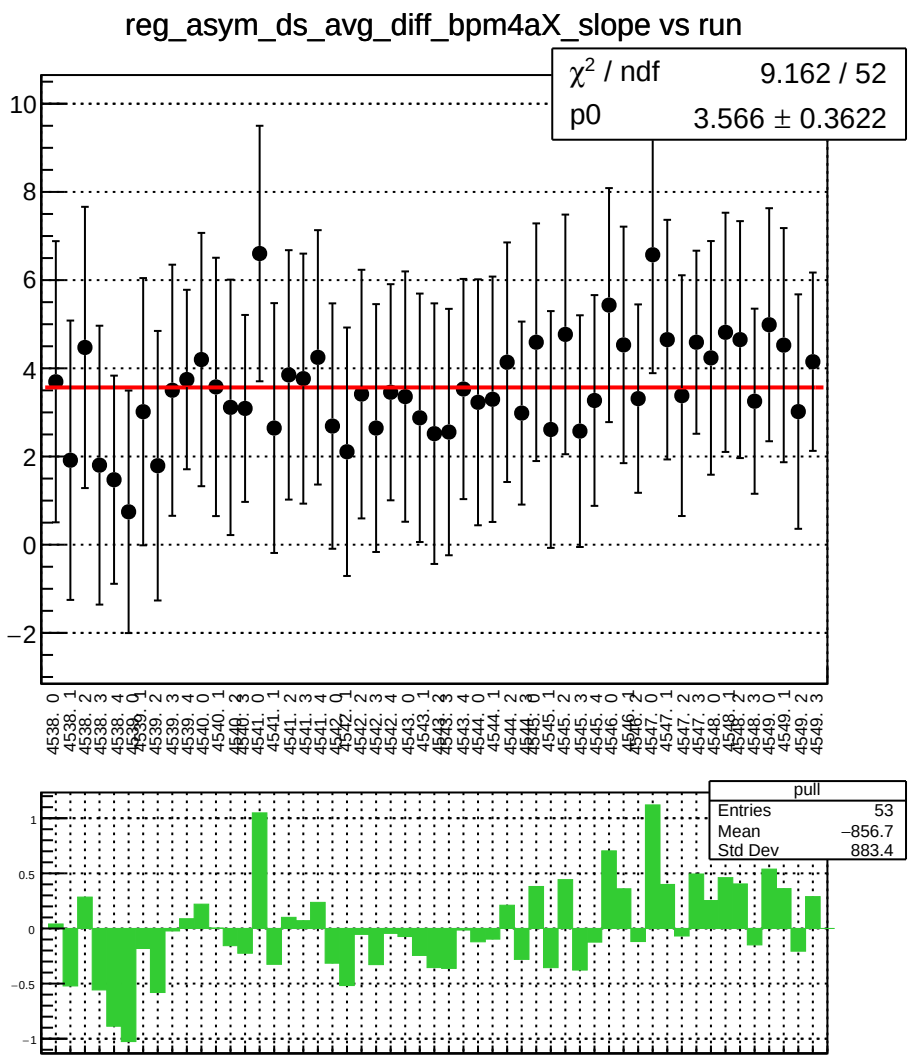

pull1D
Entries 53
Mean 0.004272
Std Dev 0.8171

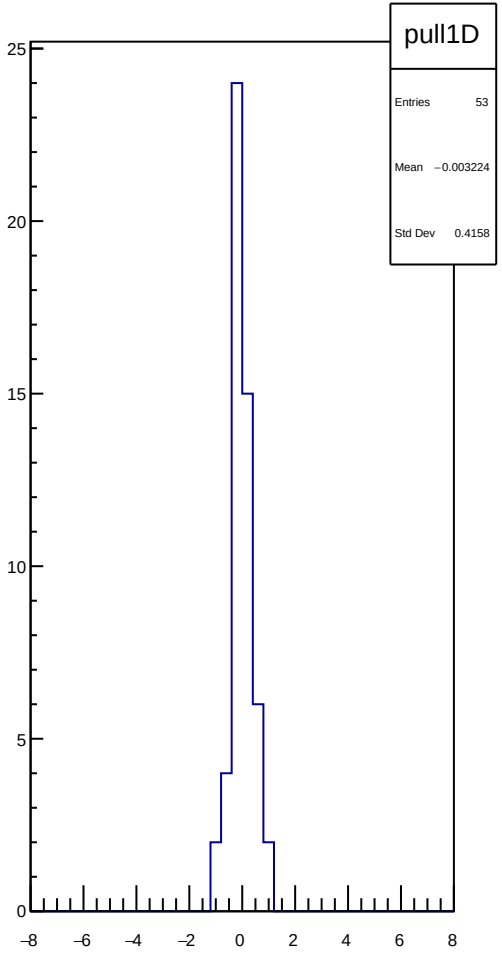

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.09 / 52
p0 0.5756 ± 0.9574
pull
Entries 53
Mean 87.74
Std Dev 44.99

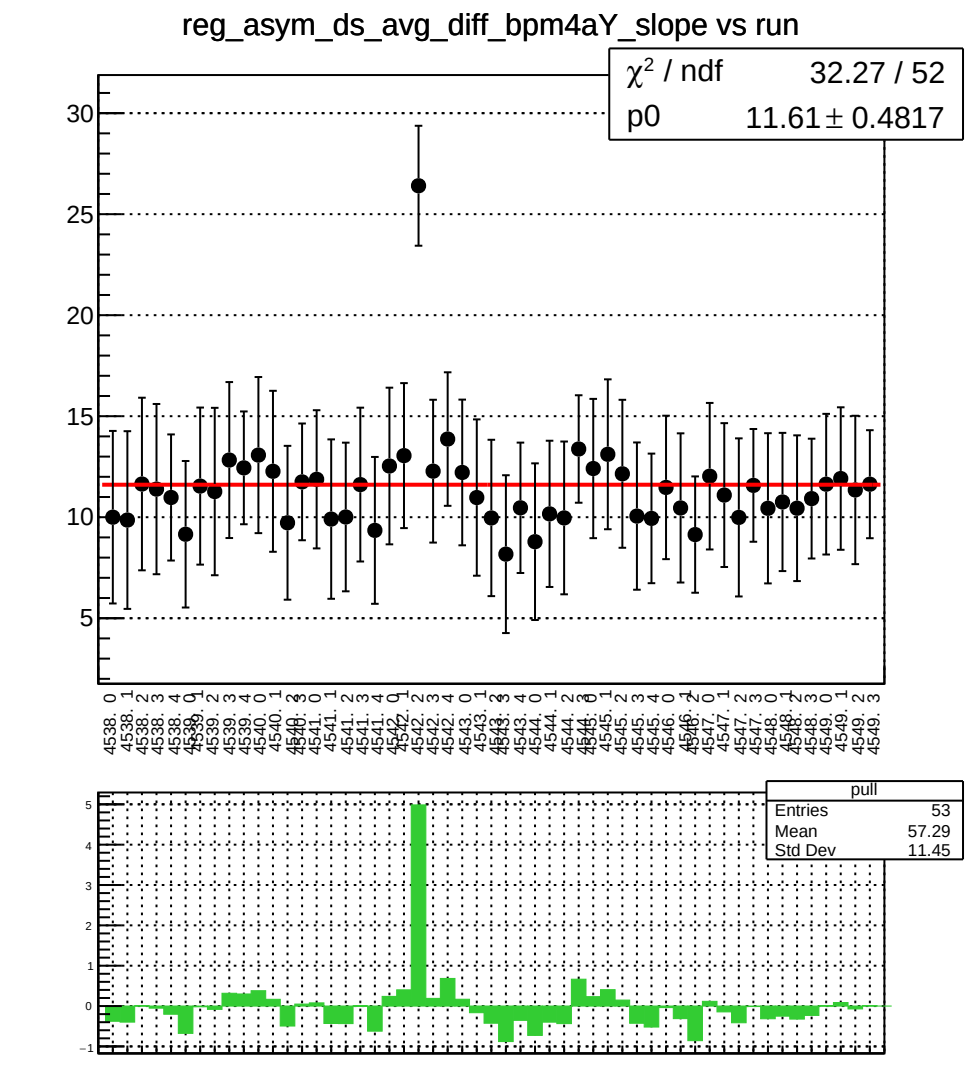

pull1D
Entries 53
Mean 0.03037
Std Dev 0.9619

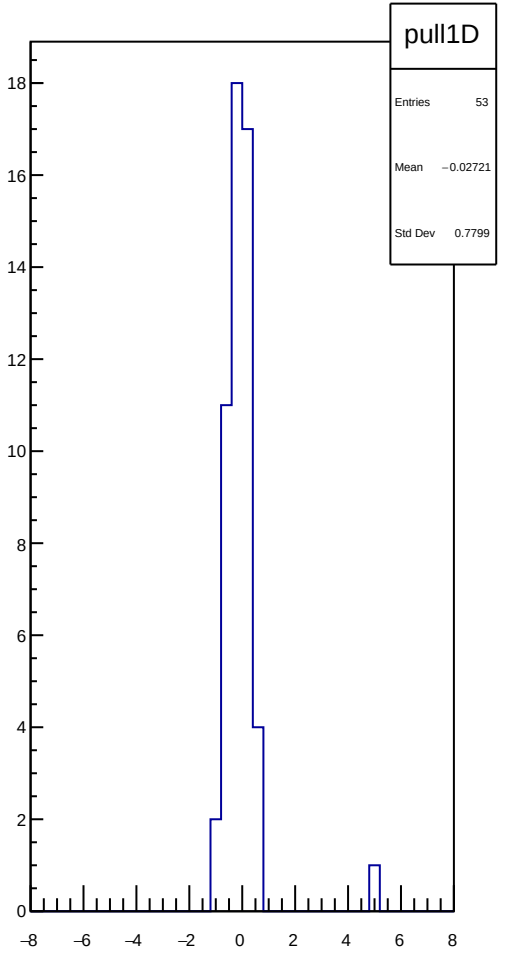

reg_asym_us_dd_diff_bpm11X_slope vs run
χ² / ndf 1.865 / 52
p0 6.49 ± 0.1616
pull
Entries 53
Mean −1973
Std Dev 2002

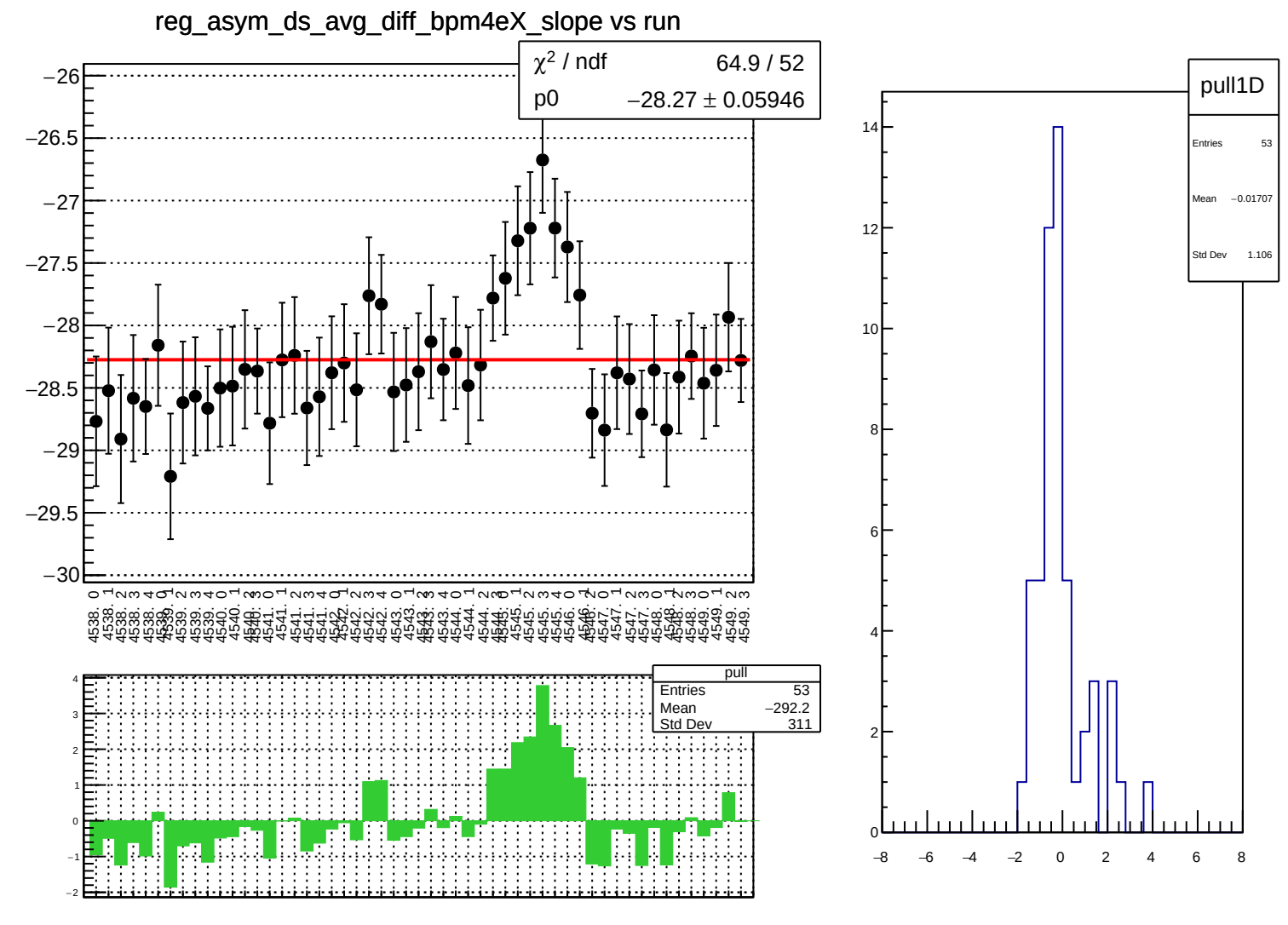

pull1D
Entries 53
Mean −0.0004967
Std Dev 0.1876

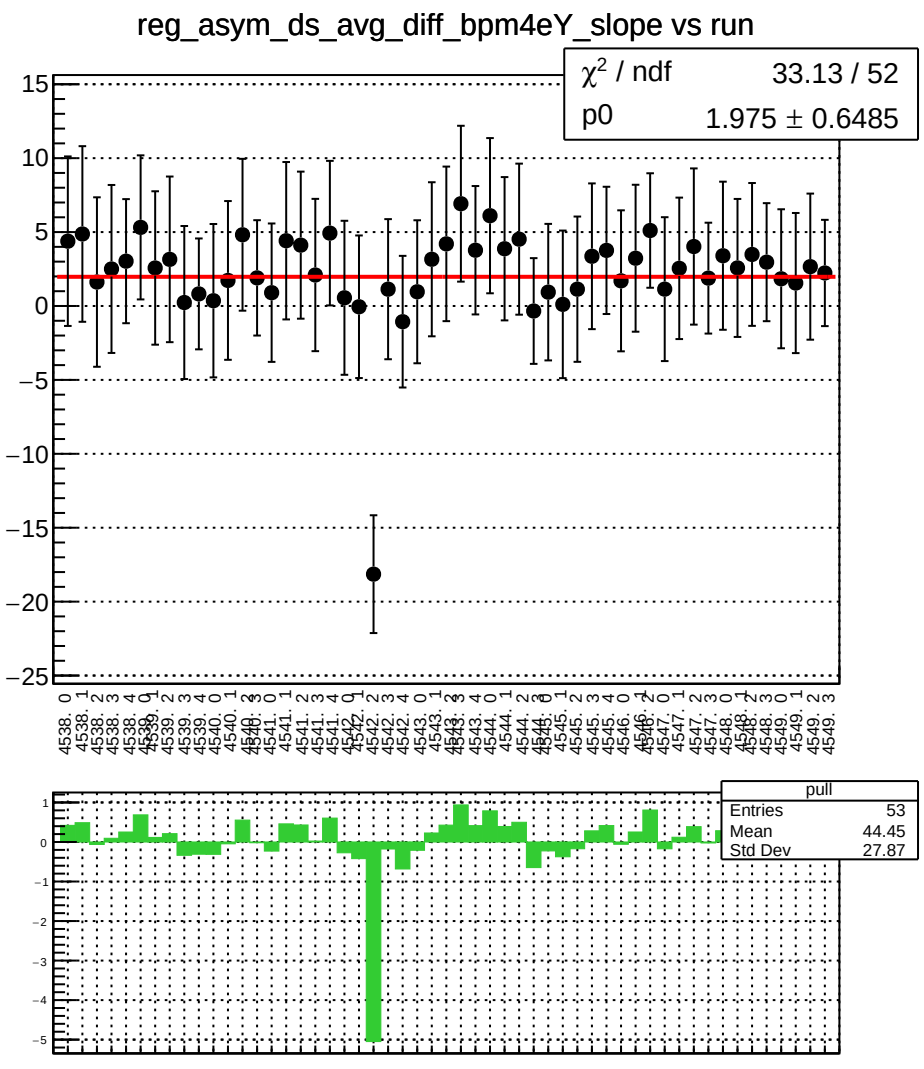

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 9.162 / 52
p0 3.566 ± 0.3622
pull
Entries 53
Mean −856.7
Std Dev 883.4

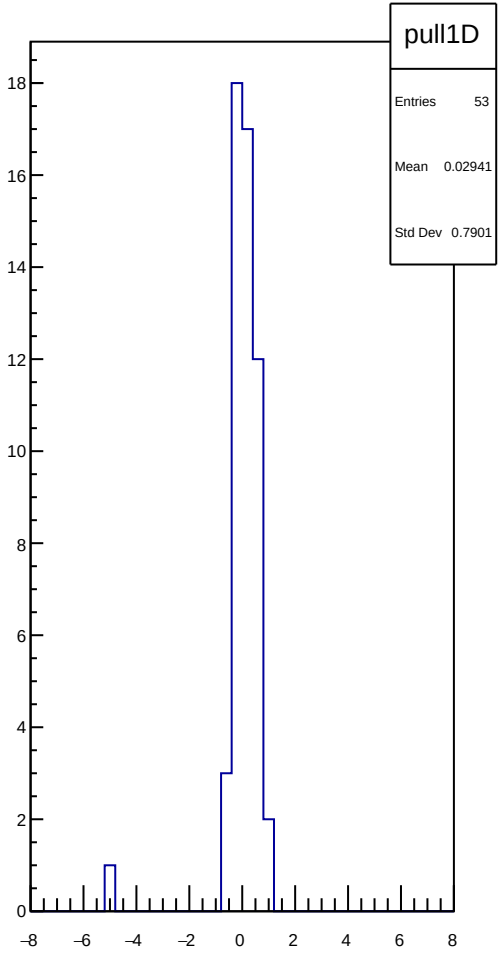

pull1D
Entries 53
Mean −0.003224
Std Dev 0.4158

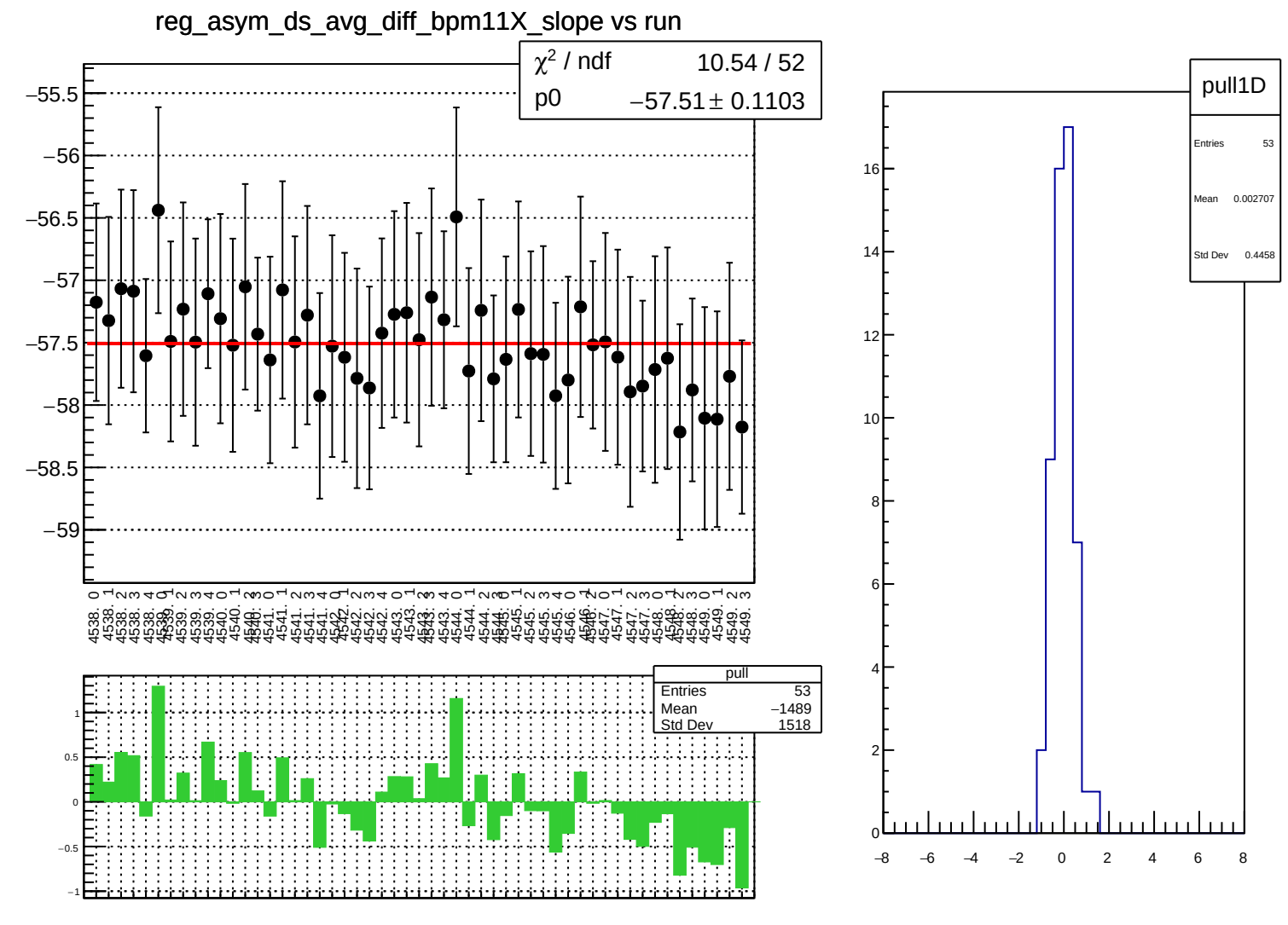

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 32.27 / 52
p0 11.61 ± 0.4817
pull
Entries 53
Mean 57.29
Std Dev 11.45

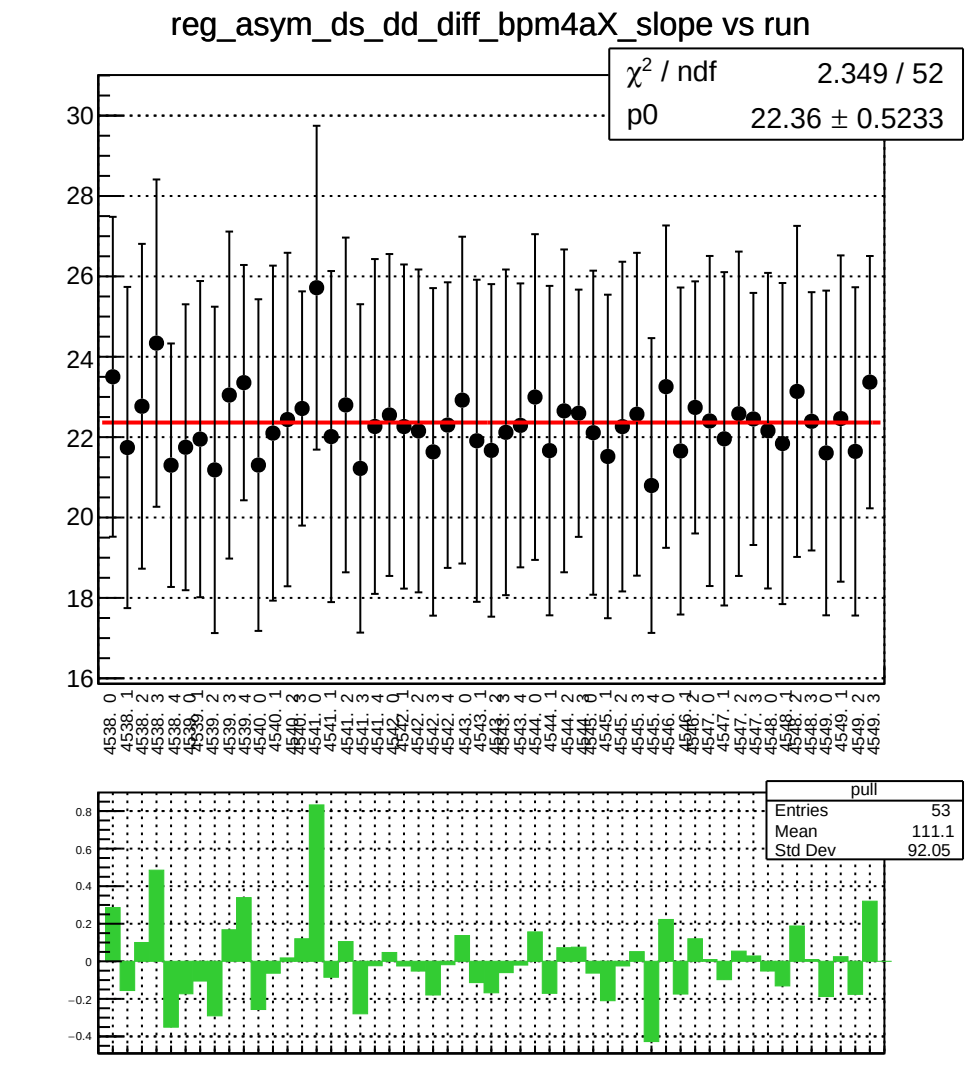

pull1D
Entries 53
Mean −0.02721
Std Dev 0.7799

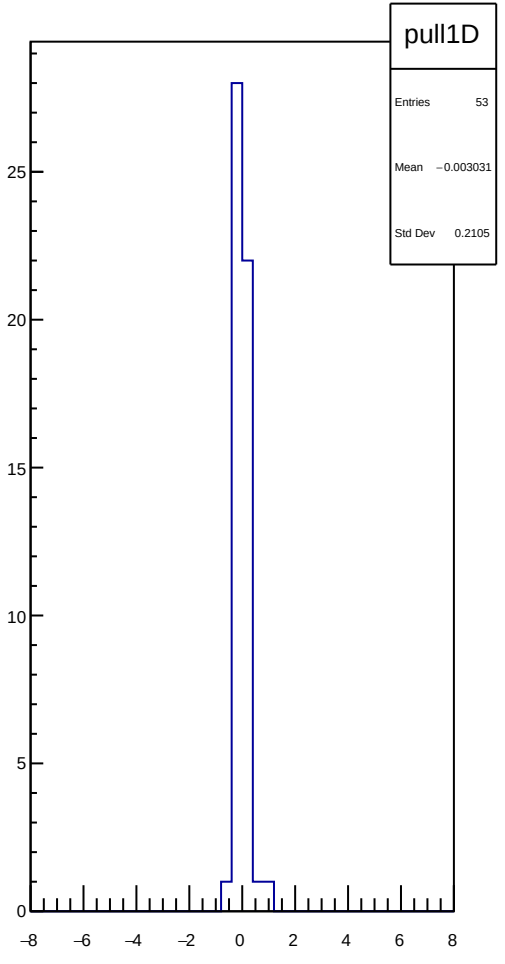

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.9 / 52
p0 −28.27 ± 0.05946
pull
Entries 53
Mean −292.2
Std Dev 311
pull1D
Entries 53
Mean −0.01707
Std Dev 1.106

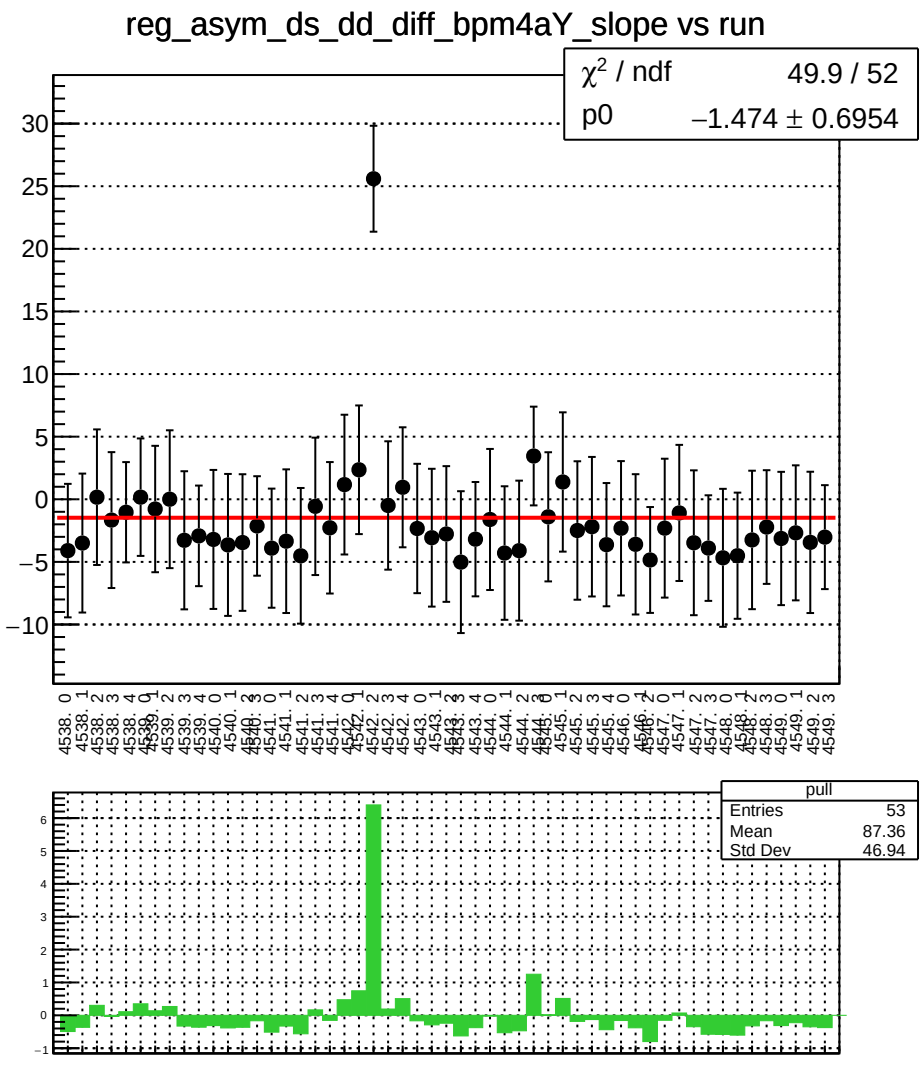

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.13 / 52
p0 1.975 ± 0.6485
pull
Entries 53
Mean 44.45
Std Dev 27.87

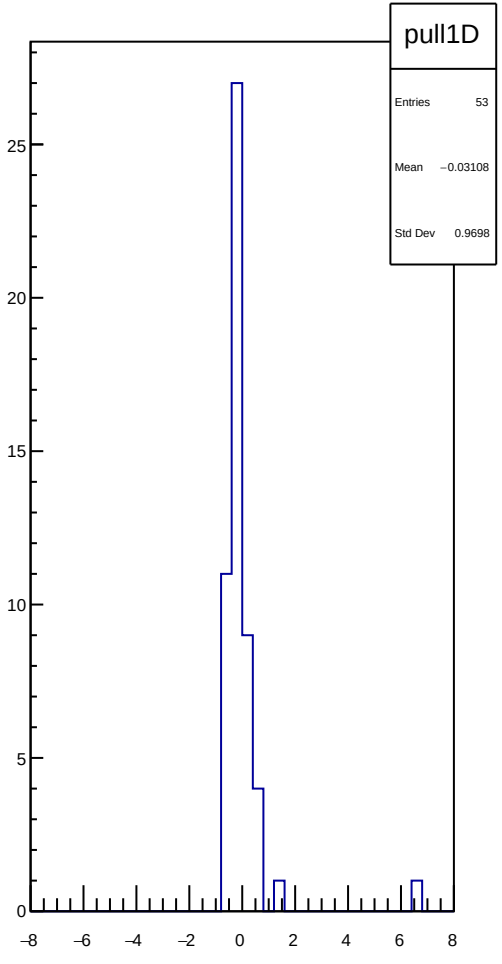

pull1D
Entries 53
Mean 0.02941
Std Dev 0.7901

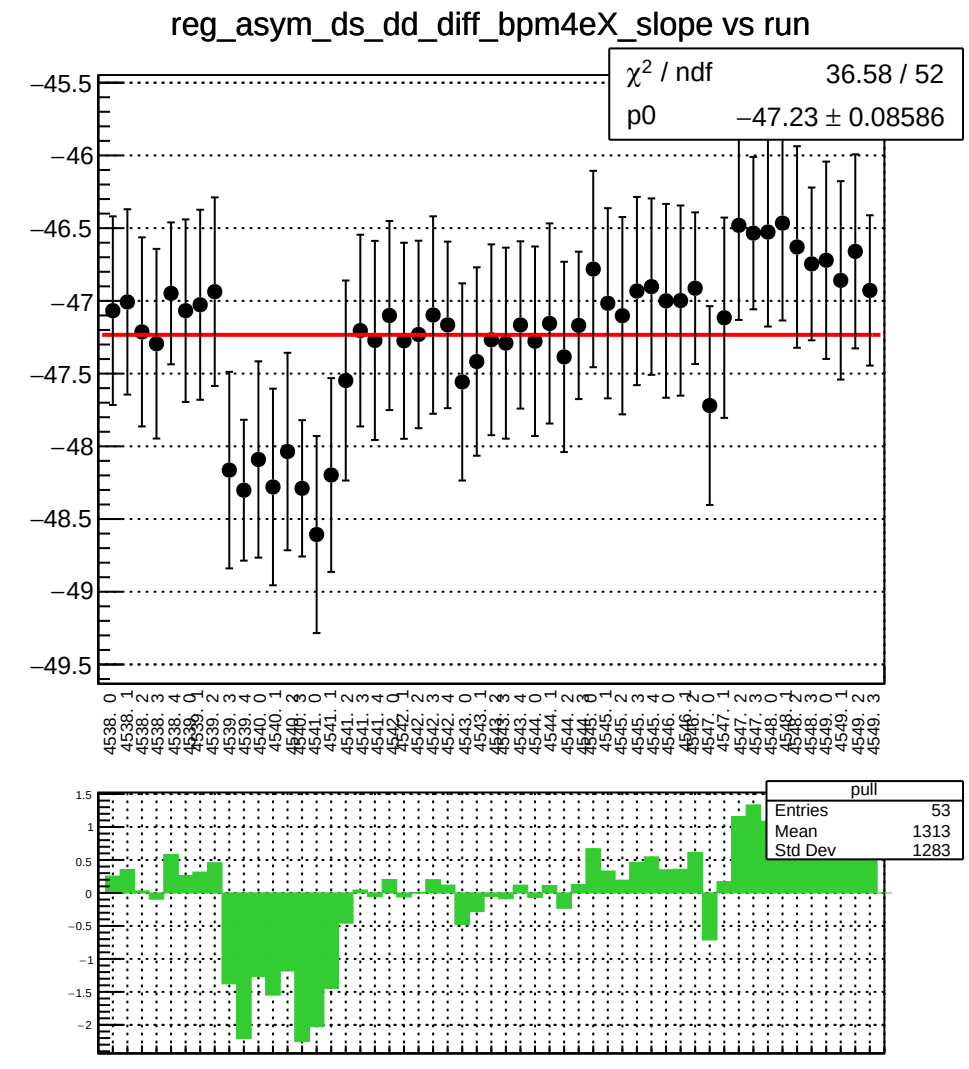

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 10.54 / 52
p0 −57.51 ± 0.1103
pull
Entries 53
Mean −1489
Std Dev 1518
pull1D
Entries 53
Mean 0.002707
Std Dev 0.4458

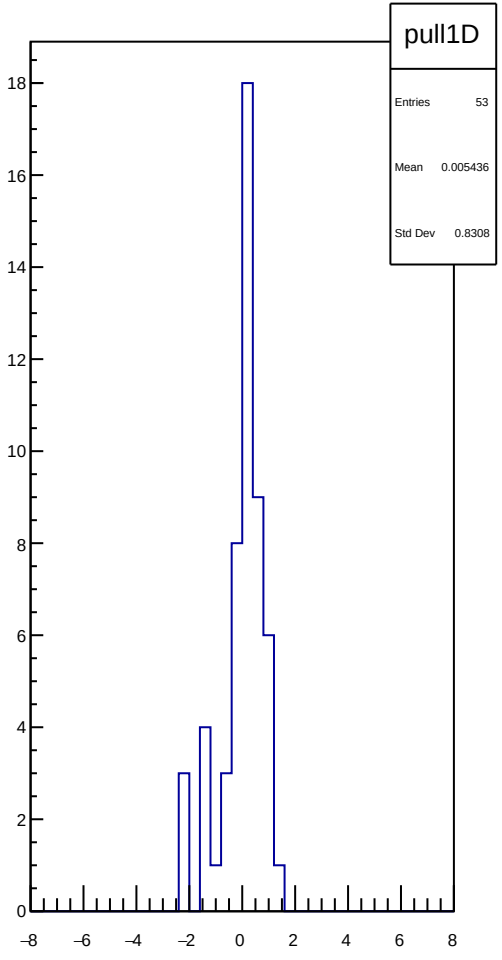

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.349 / 52
p0 22.36 ± 0.5233
pull
Entries 53
Mean 111.1
Std Dev 92.05

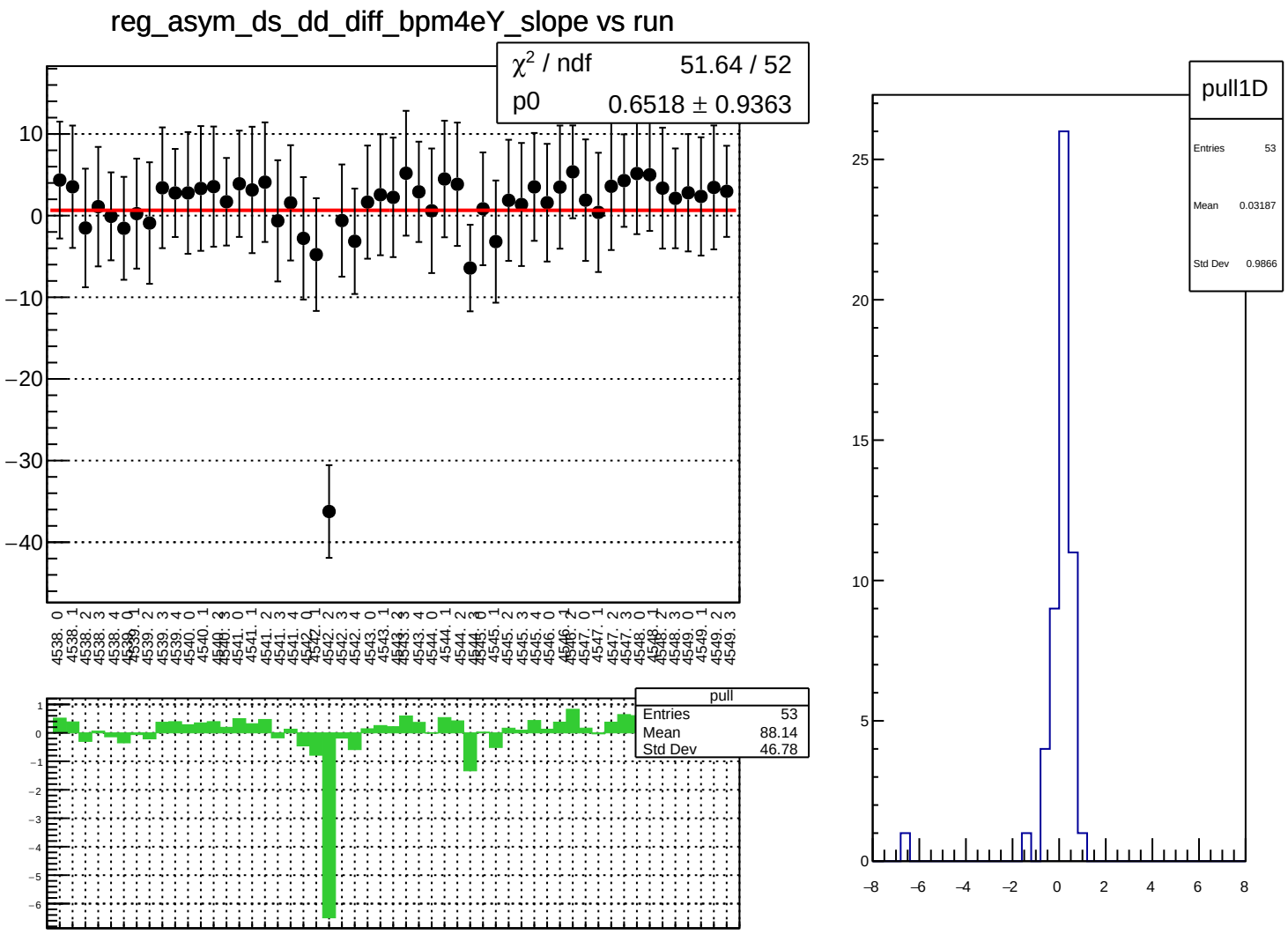

pull1D
Entries 53
Mean −0.003031
Std Dev 0.2105

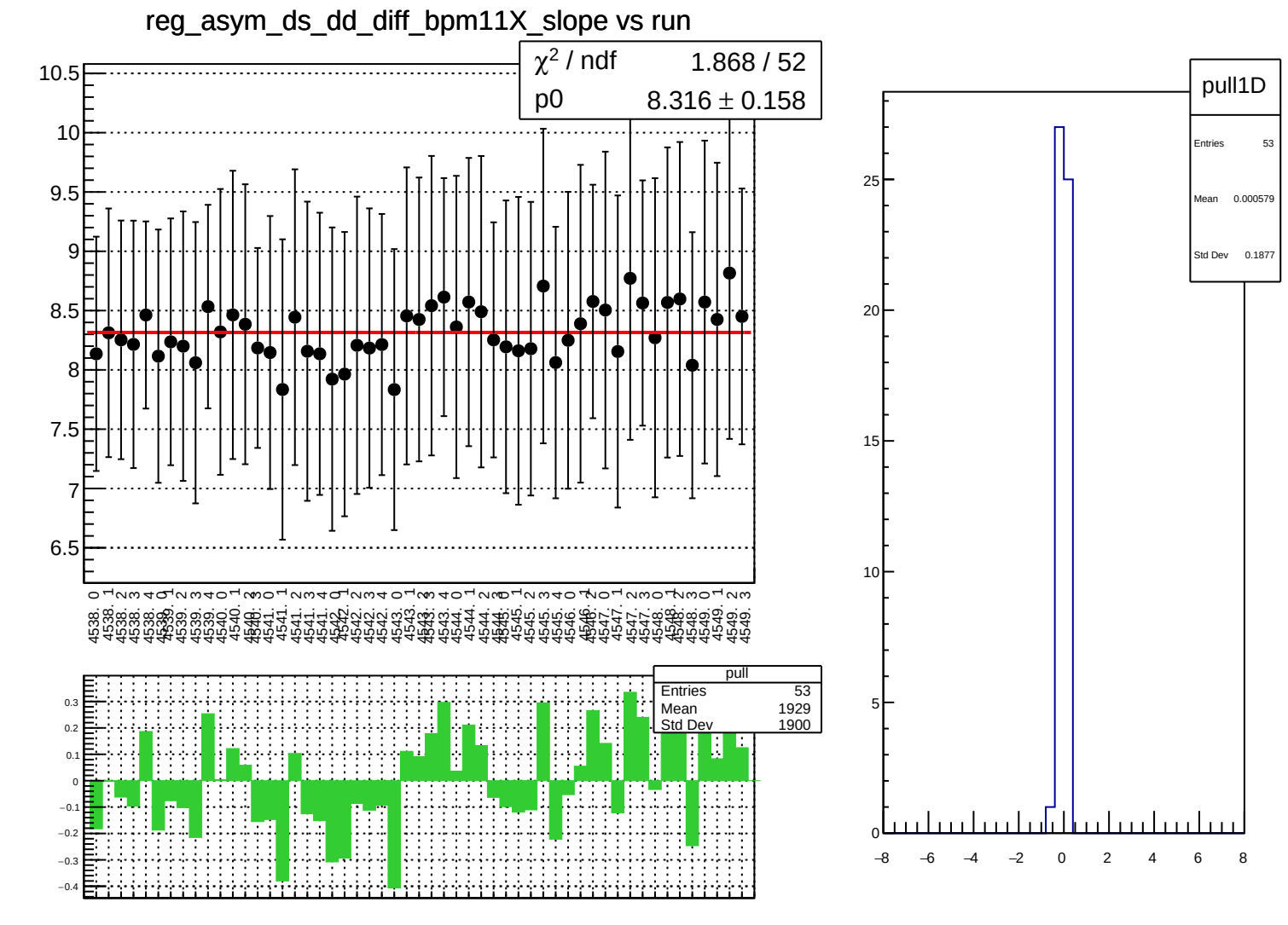

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.9 / 52
p0 −1.474 ± 0.6954
pull
Entries 53
Mean 87.36
Std Dev 46.94

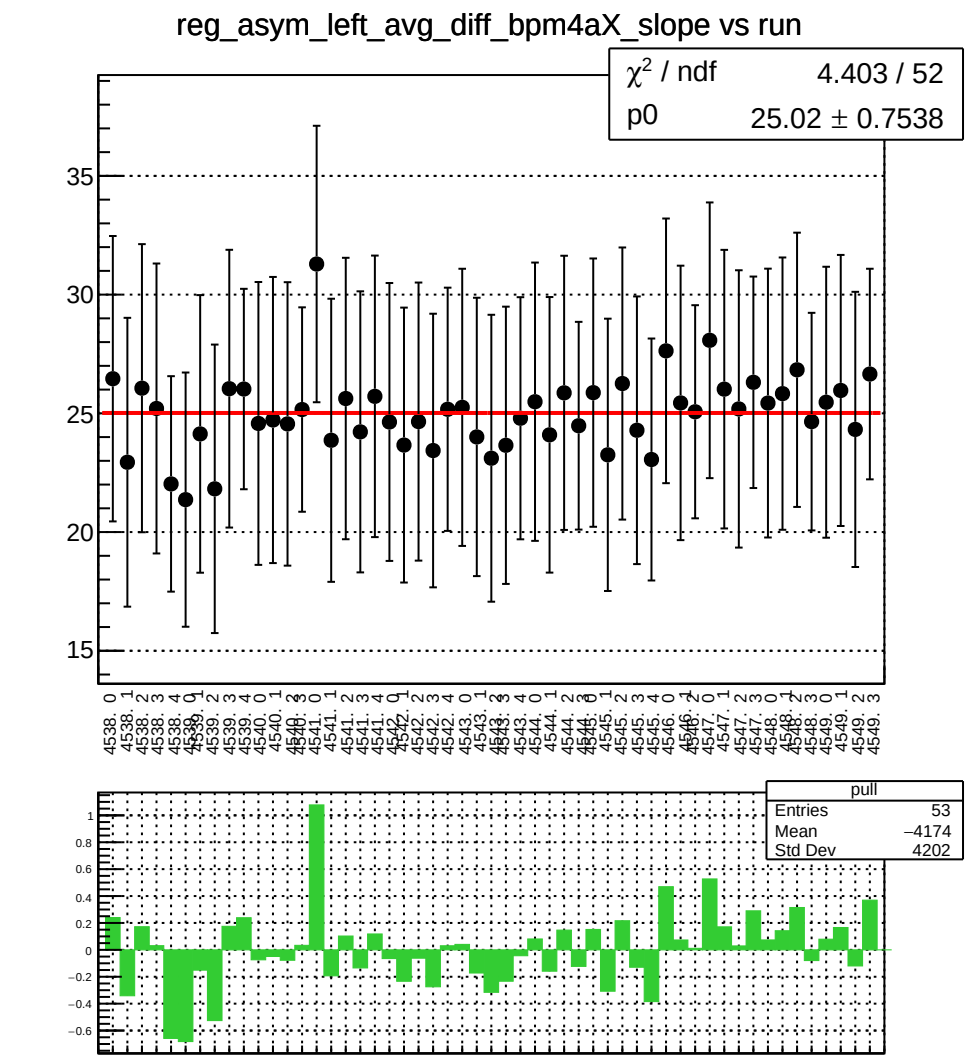

pull1D
Entries 53
Mean −0.03108
Std Dev 0.9698

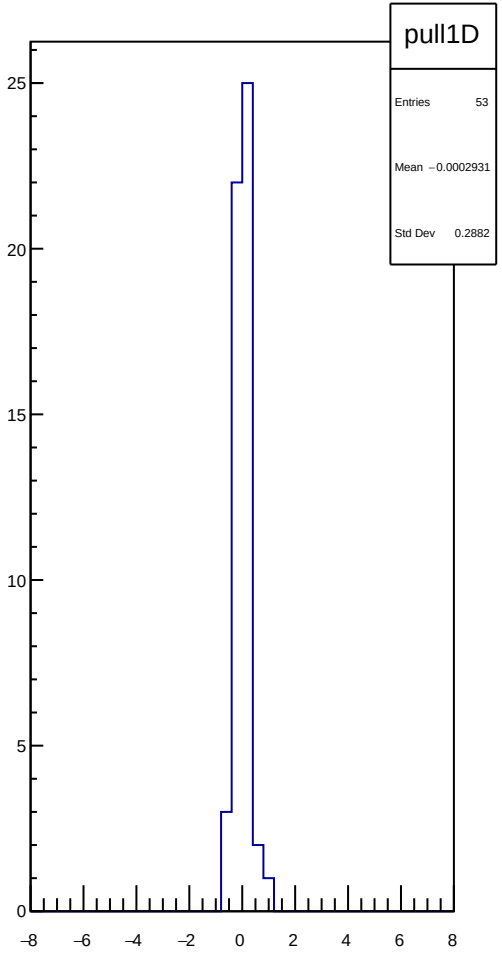

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.58 / 52
p0 −47.23 ± 0.08586
pull
Entries 53
Mean 1313
Std Dev 1283

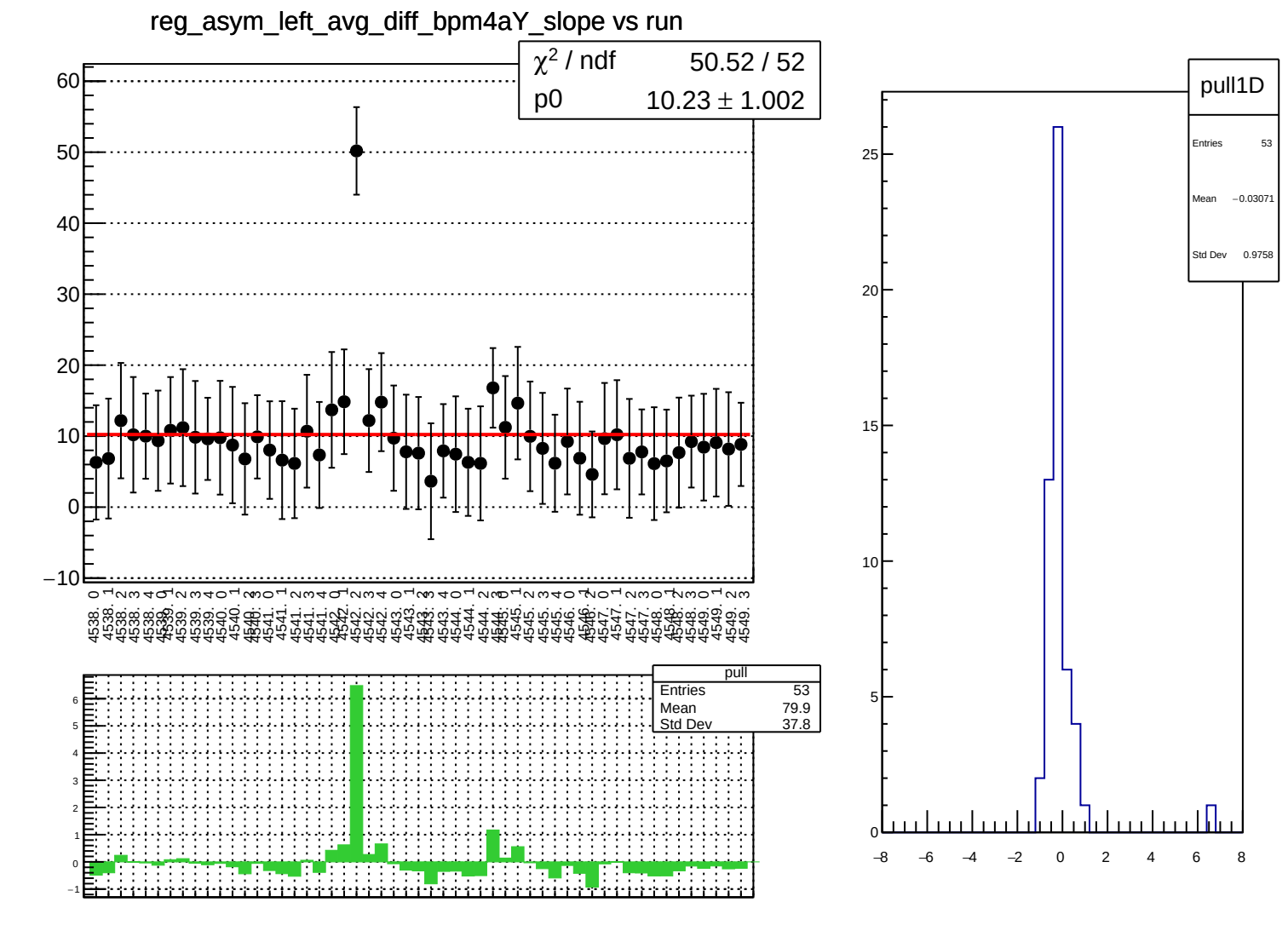

pull1D
Entries 53
Mean 0.005436
Std Dev 0.8308

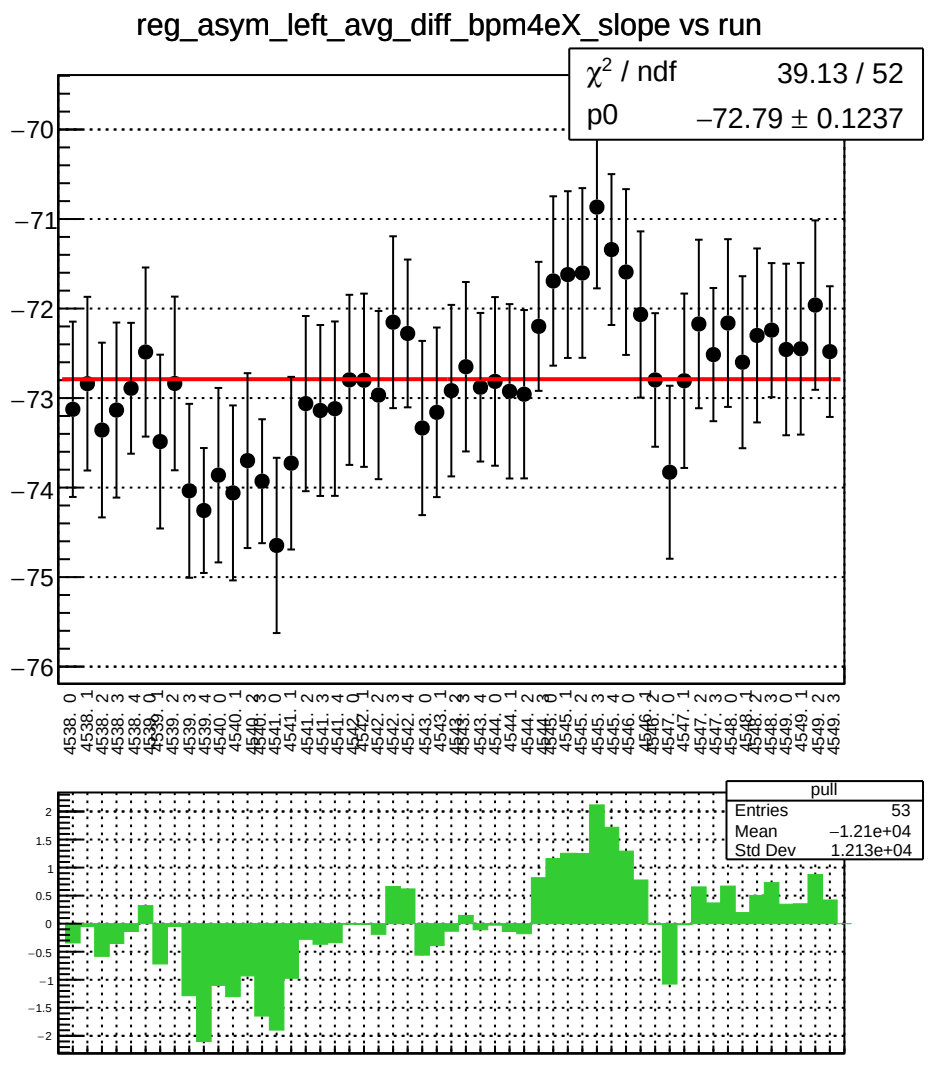

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.64 / 52
p0 0.6518 ± 0.9363
pull
Entries 53
Mean 88.14
Std Dev 46.78
pull1D
Entries 53
Mean 0.03187
Std Dev 0.9866

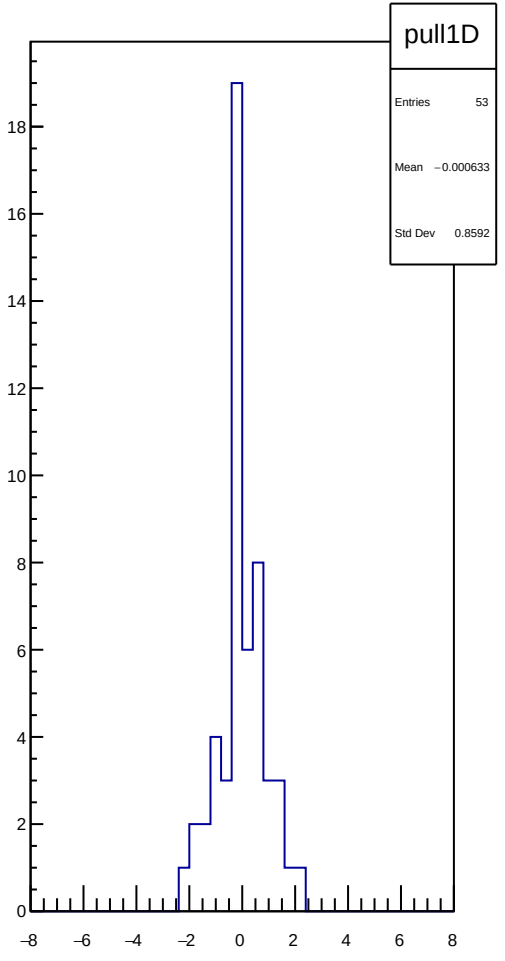

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 1.868 / 52
p0 8.316 ± 0.158
pull
Entries 53
Mean 1929
Std Dev 1900
pull1D
Entries 53
Mean 0.000579
Std Dev 0.1877

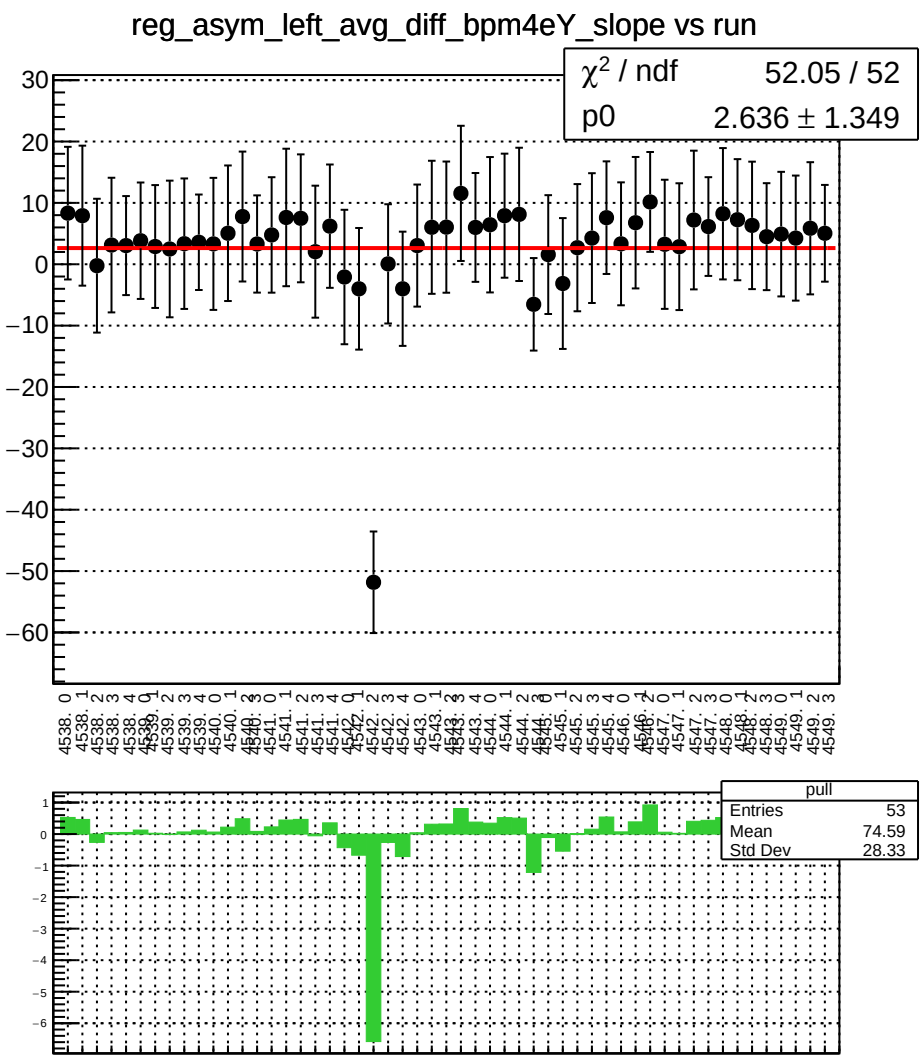

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.403 / 52
p0 25.02 ± 0.7538
pull
Entries 53
Mean −4174
Std Dev 4202

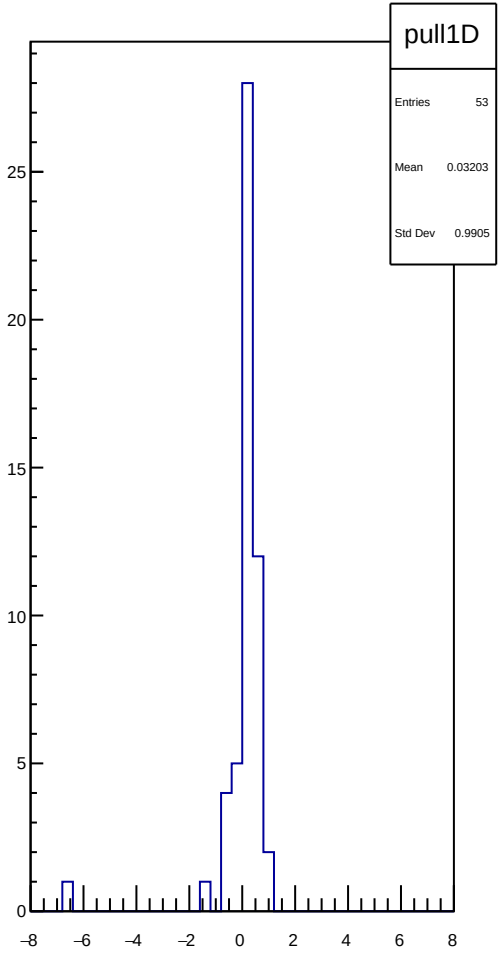

pull1D
Entries 53
Mean −0.0002931
Std Dev 0.2882

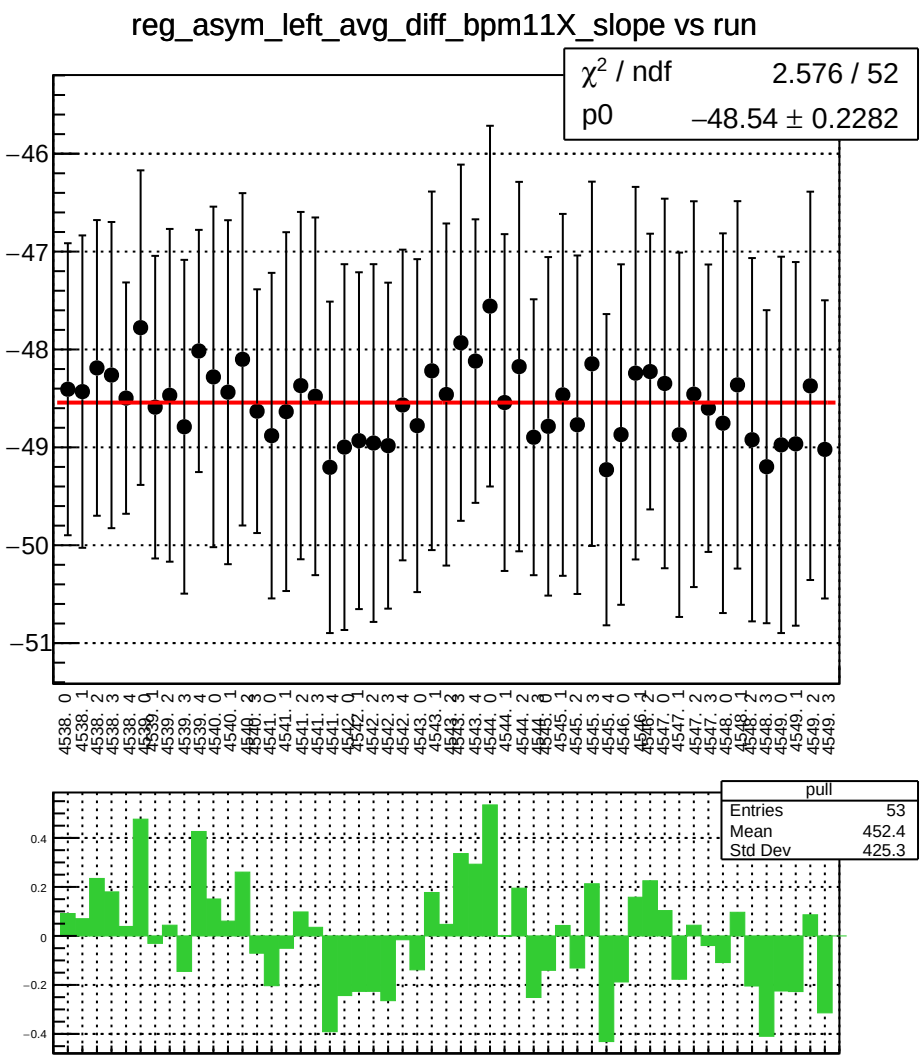

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.52 / 52
p0 10.23 ± 1.002
pull
Entries 53
Mean 79.9
Std Dev 37.8
pull1D
Entries 53
Mean −0.03071
Std Dev 0.9758

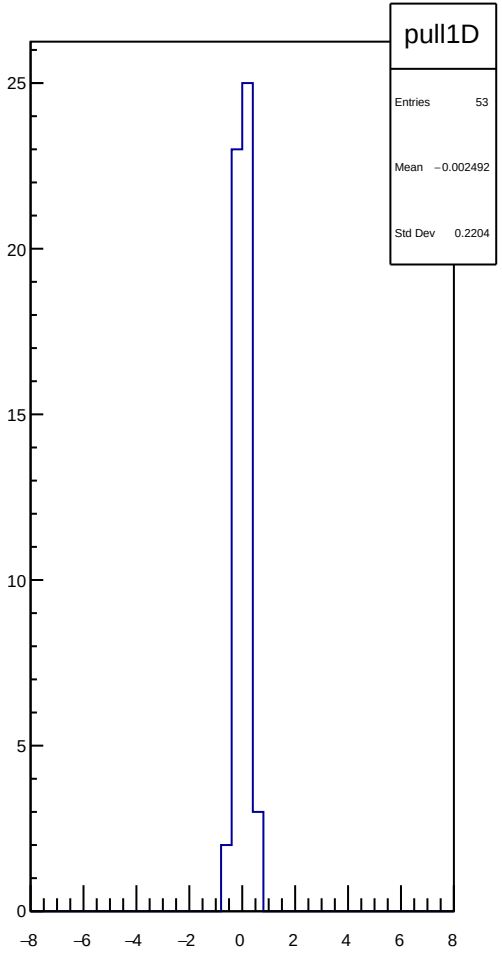

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.13 / 52
p0 −72.79 ± 0.1237
pull
Entries 53
Mean −1.21e+04
Std Dev 1.213e+04

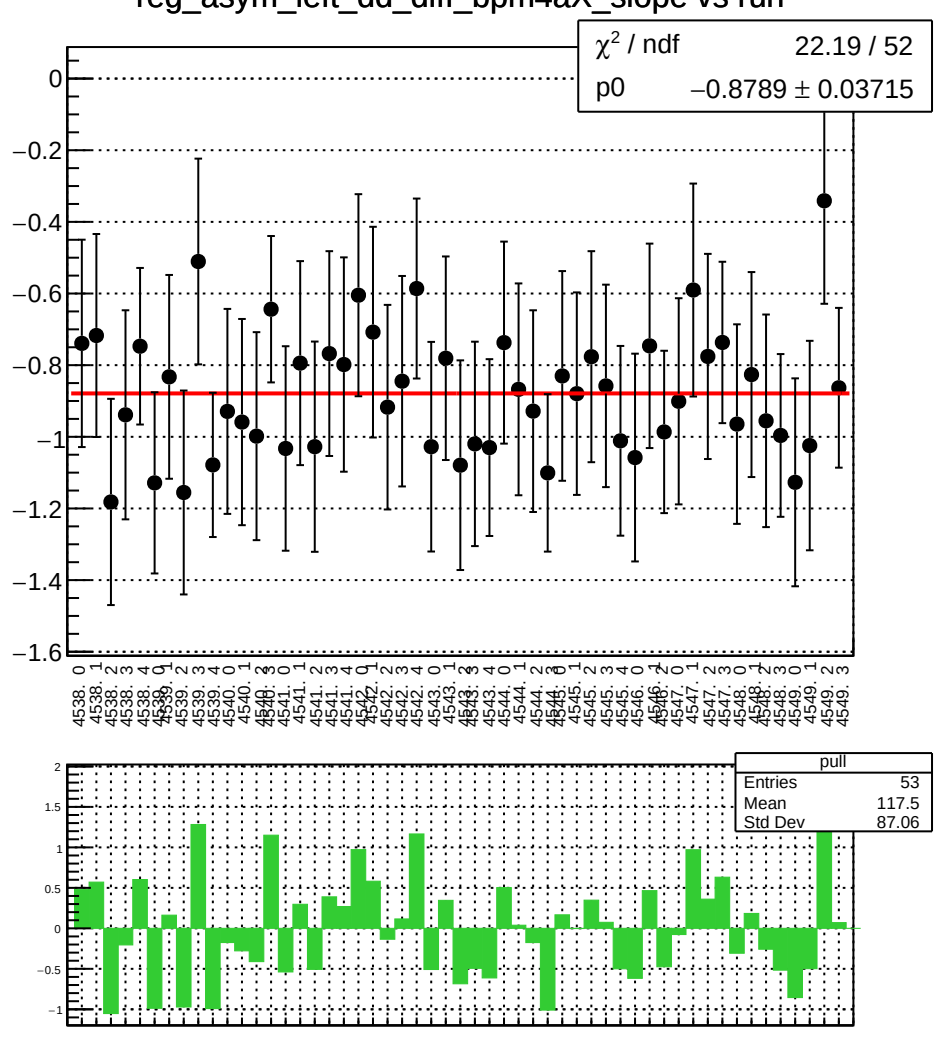

pull1D
Entries 53
Mean −0.000633
Std Dev 0.8592

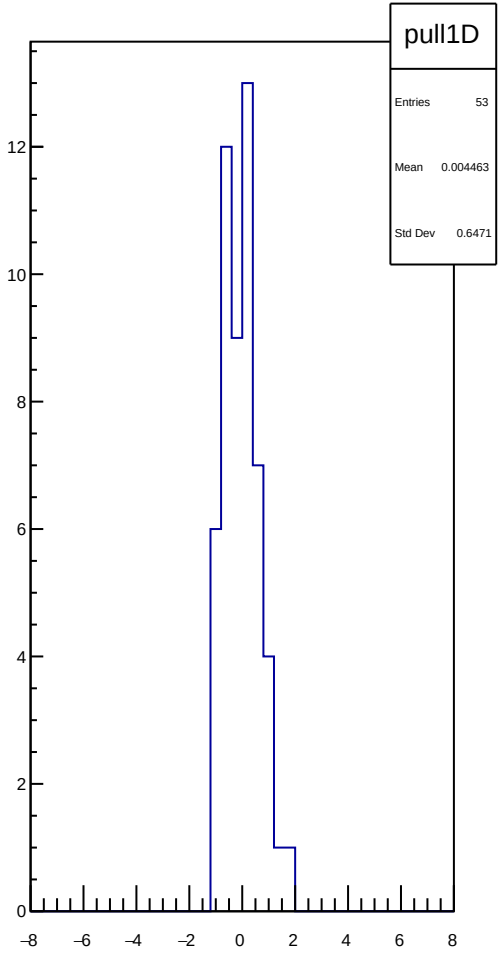

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.05 / 52
p0 2.636 ± 1.349
pull
Entries 53
Mean 74.59
Std Dev 28.33

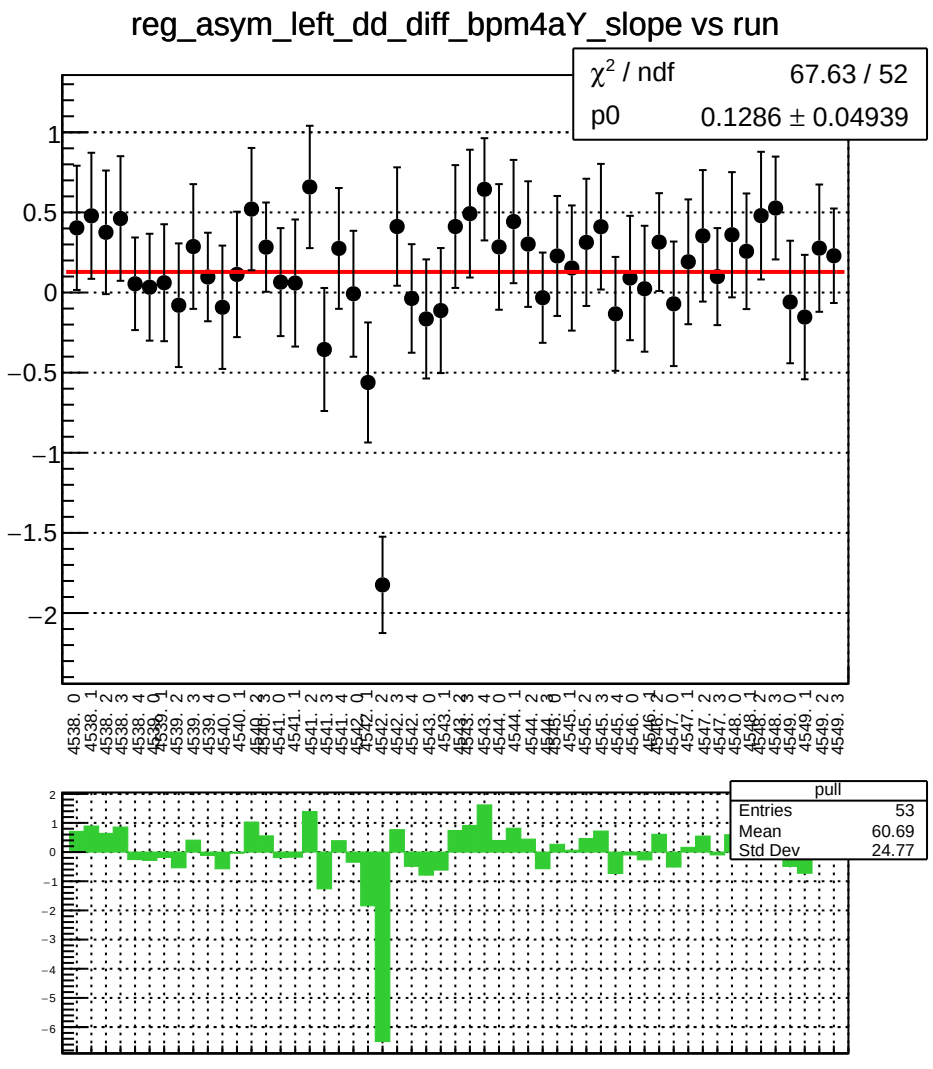

pull1D
Entries 53
Mean 0.03203
Std Dev 0.9905

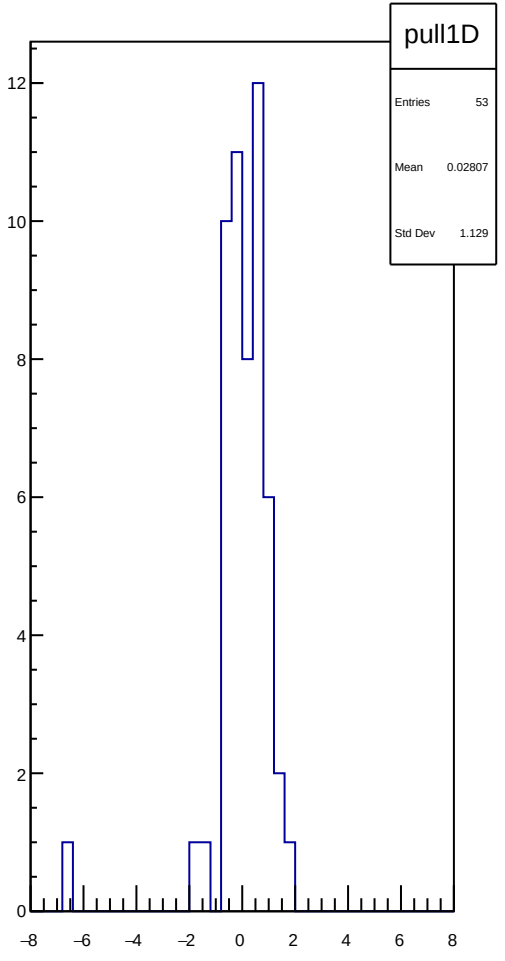

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 2.576 / 52
p0 −48.54 ± 0.2282
pull
Entries 53
Mean 452.4
Std Dev 425.3

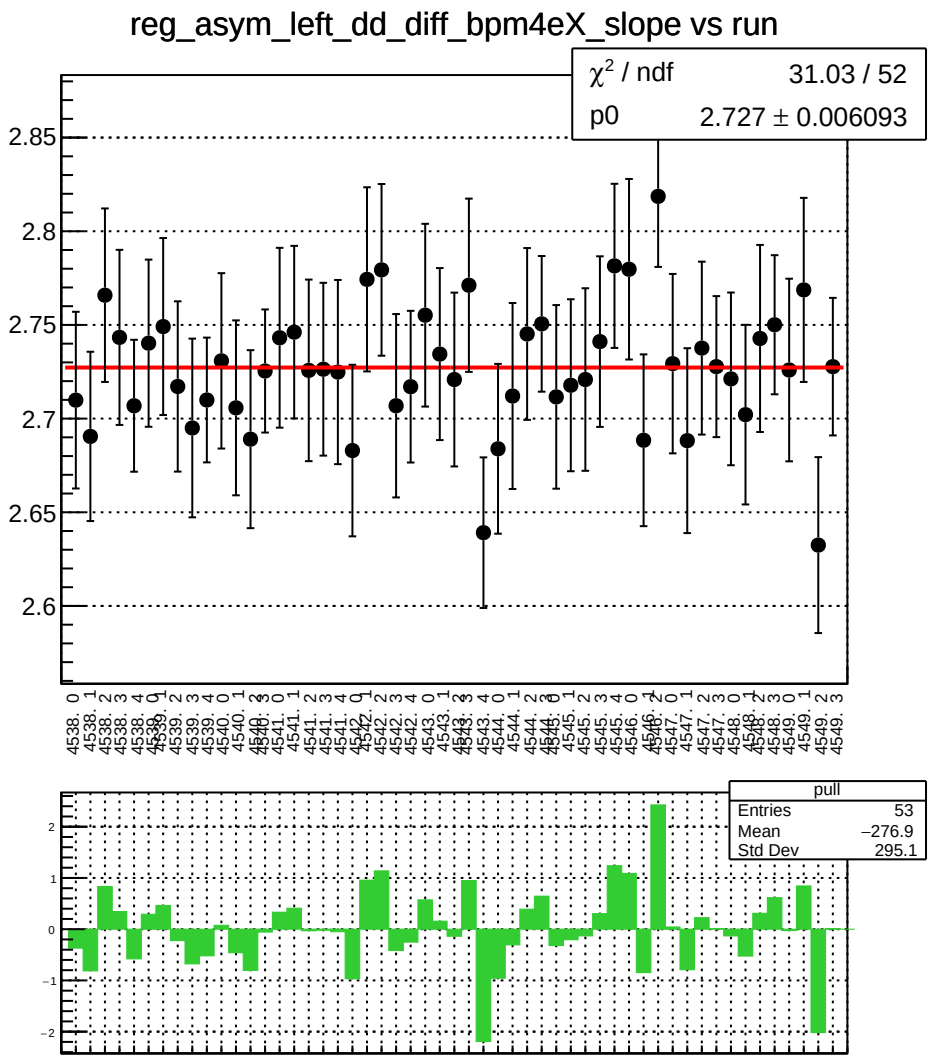

pull1D
Entries 53
Mean −0.002492
Std Dev 0.2204

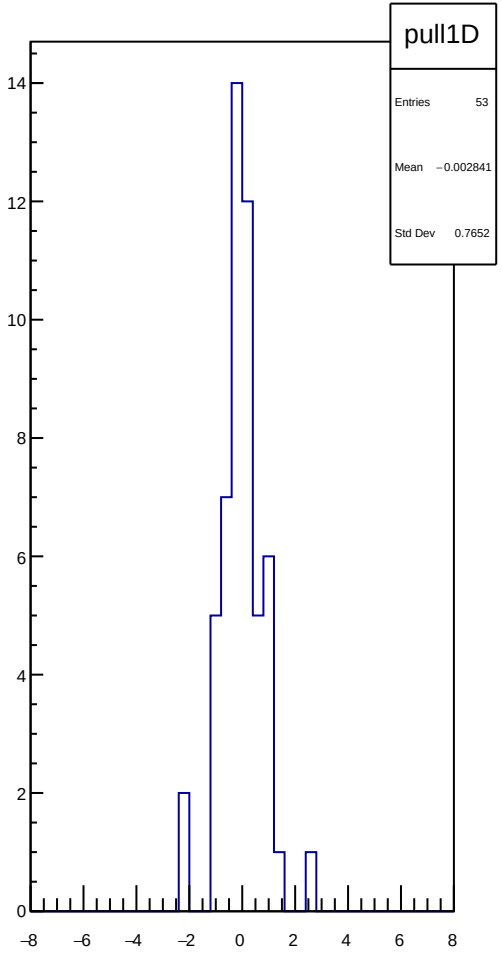

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 22.19 / 52
p0 −0.8789 ± 0.03715
pull
Entries 53
Mean 117.5
Std Dev 87.06

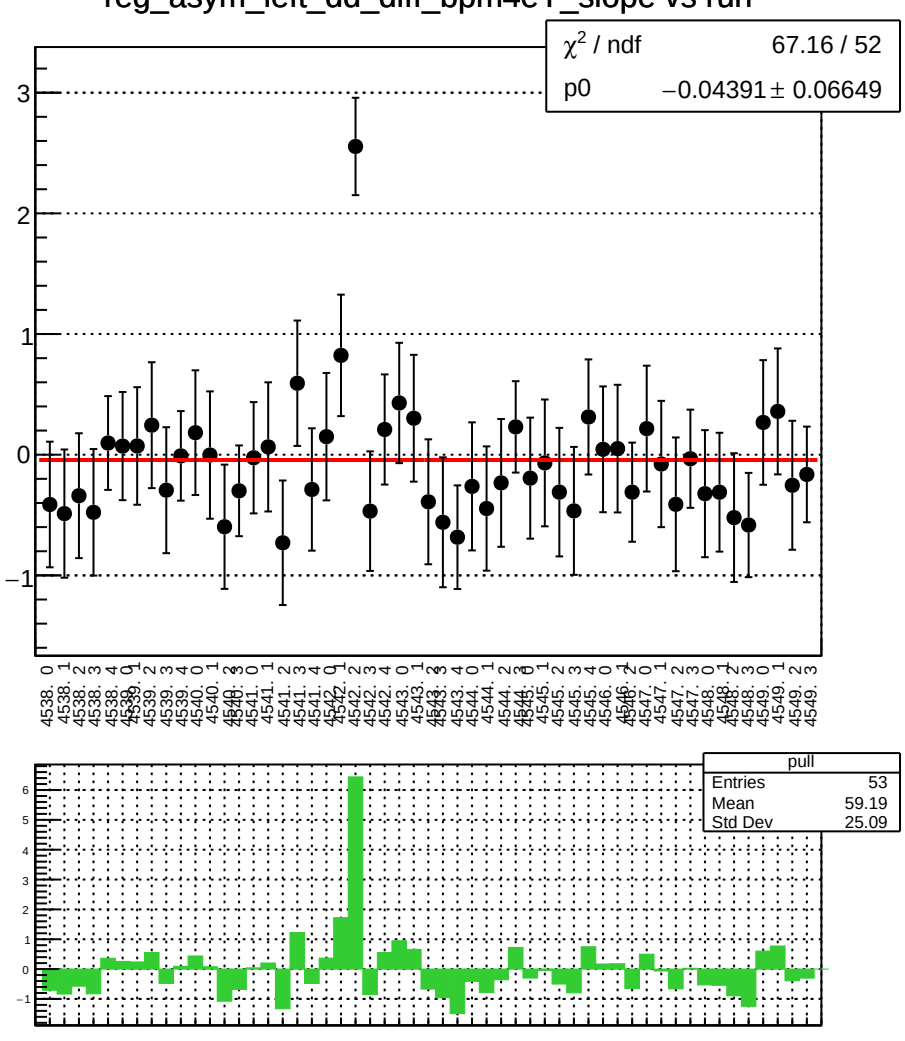

pull1D
Entries 53
Mean 0.004463
Std Dev 0.6471

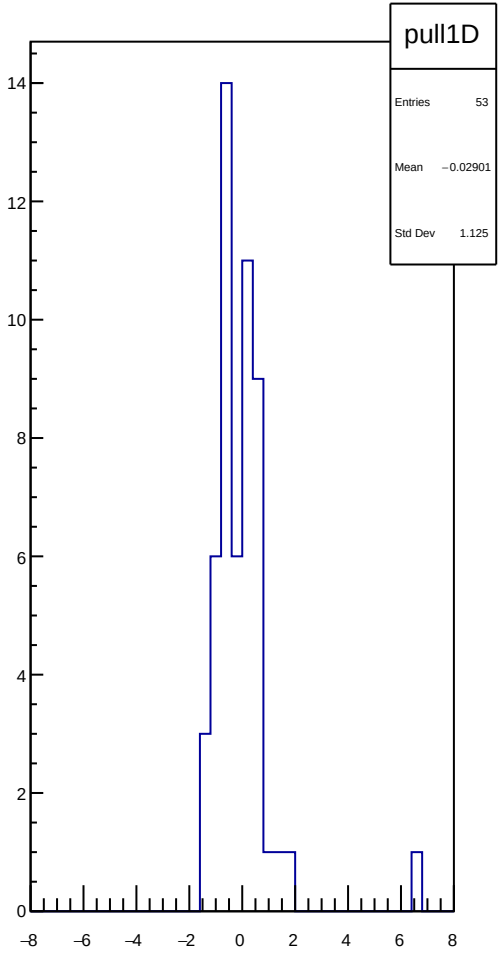

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.63 / 52
p0 0.1286 ± 0.04939
pull
Entries 53
Mean 60.69
Std Dev 24.77

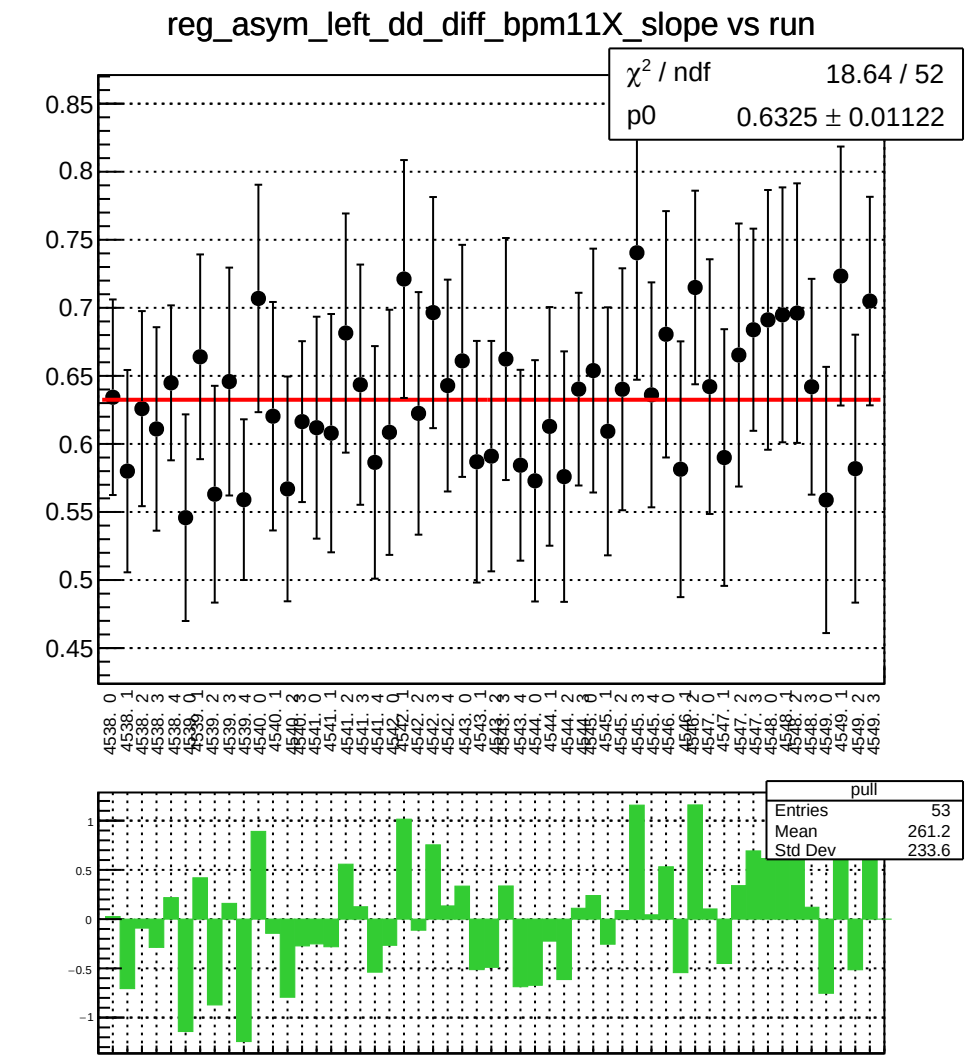

pull1D
Entries 53
Mean 0.02807
Std Dev 1.129

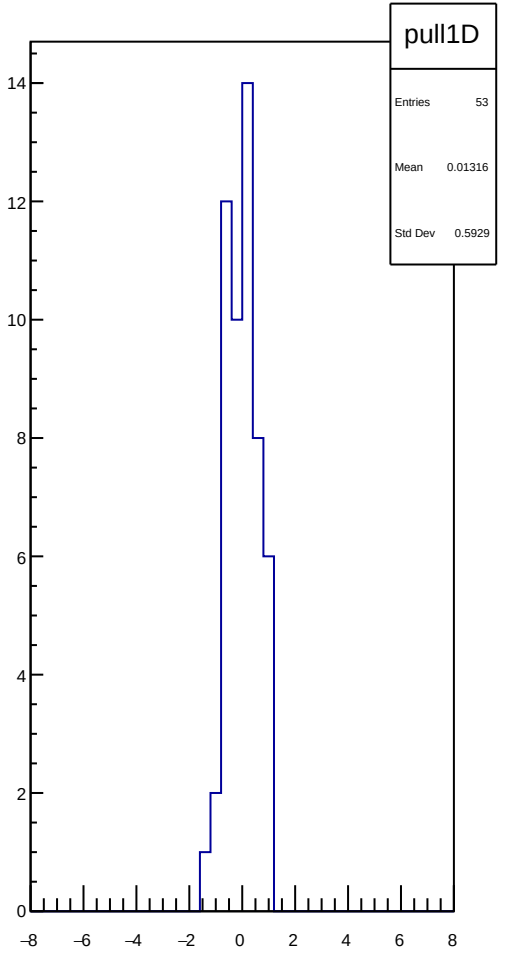

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.03 / 52
p0 2.727 ± 0.006093
2.85
2.8
2.75
2.7
2.65
2.6
pull
Entries 53
Mean −276.9
Std Dev 295.1
2
1
0
−1
−2

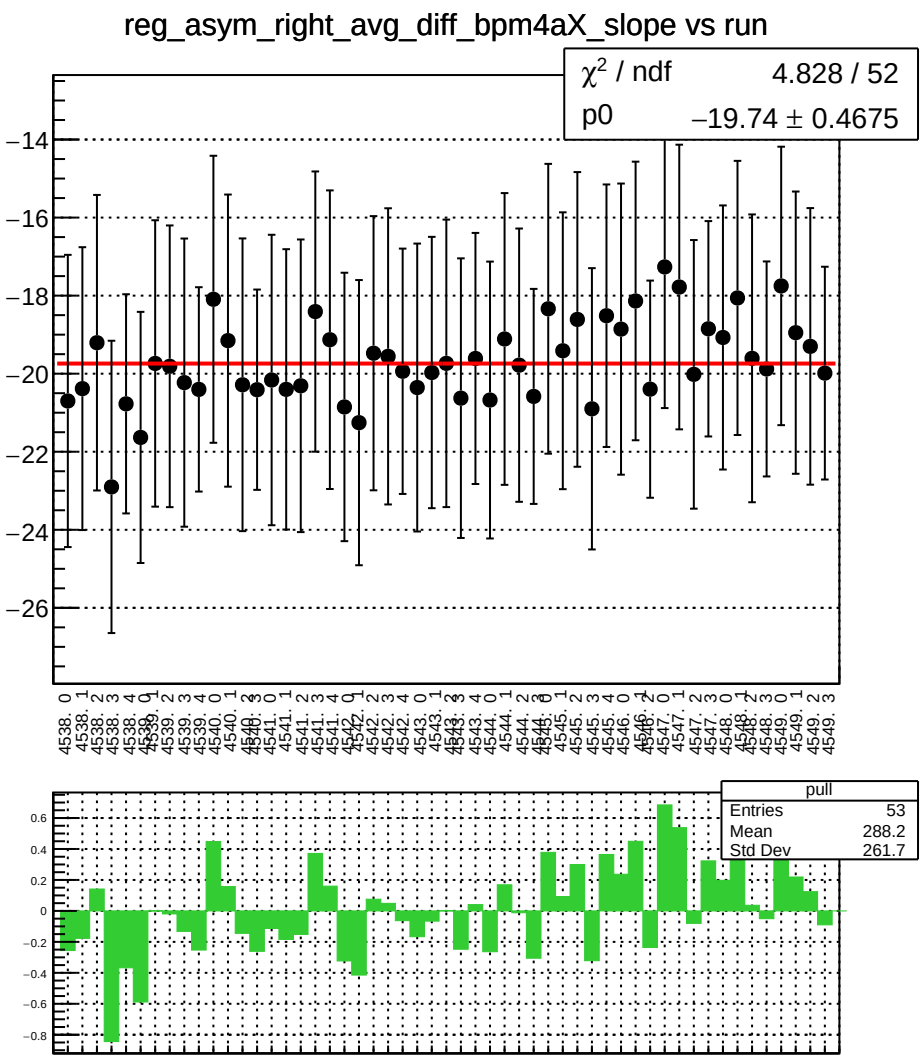

pull1D
Entries 53
Mean −0.002841
Std Dev 0.7652
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

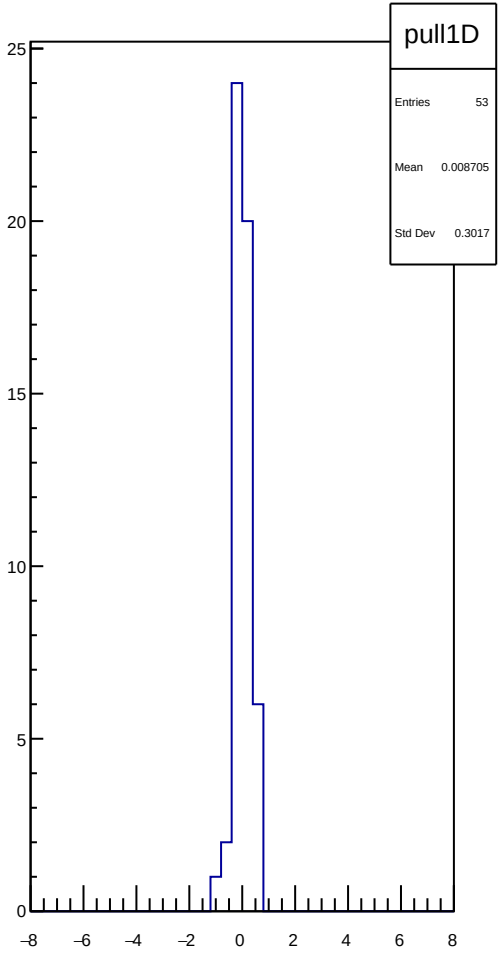

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.16 / 52
p0 −0.04391 ± 0.06649
pull
Entries 53
Mean 59.19
Std Dev 25.09

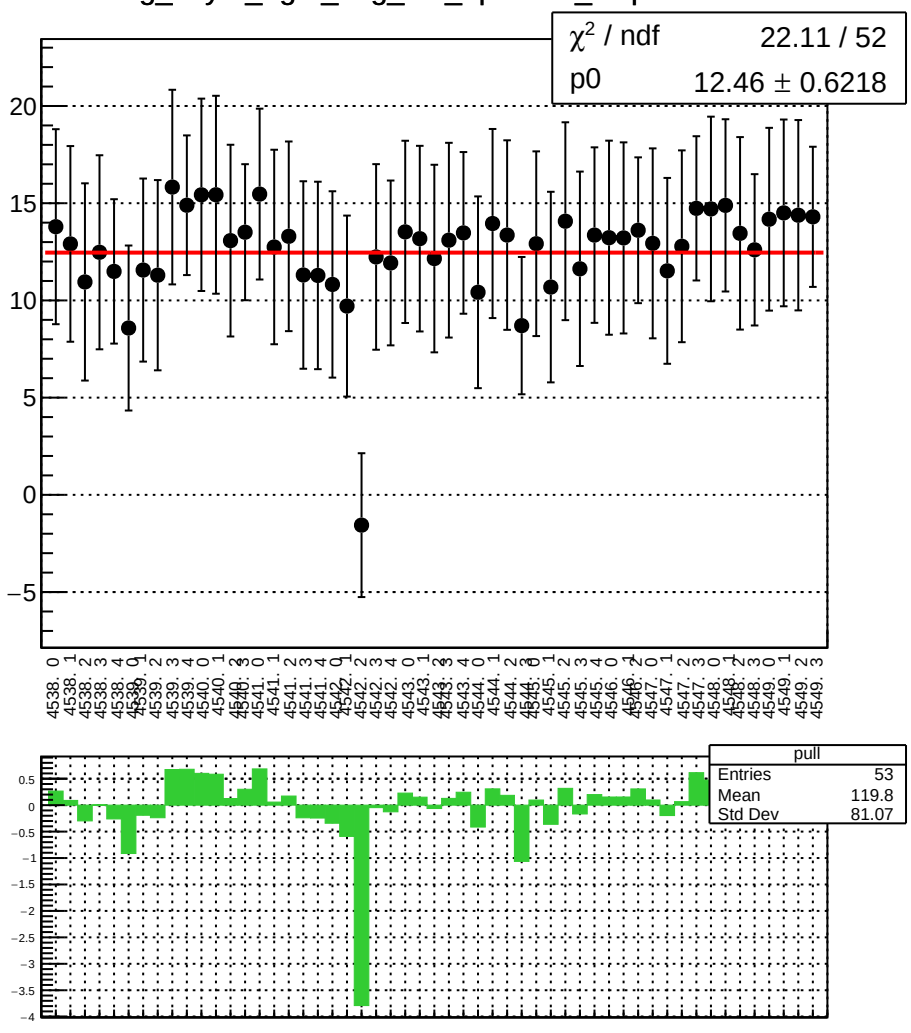

pull1D
Entries 53
Mean −0.02901
Std Dev 1.125

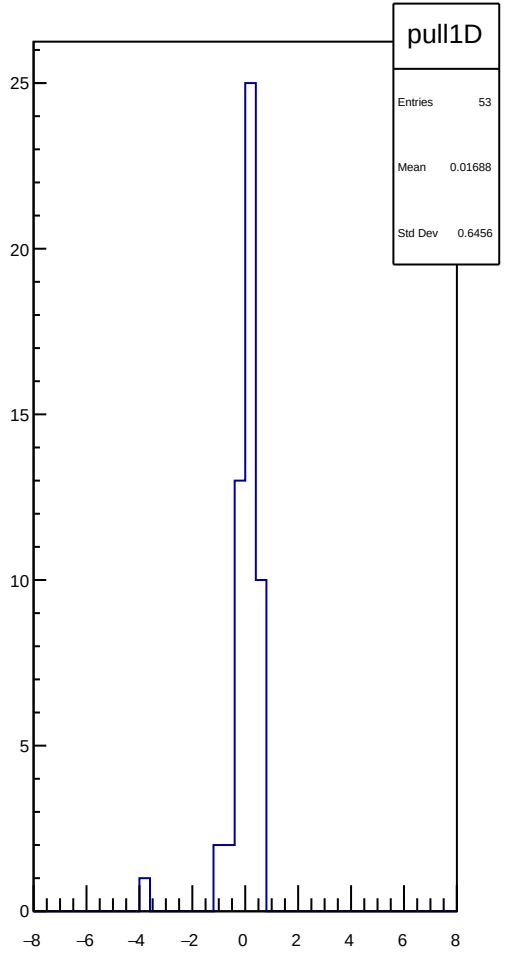

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 18.64 / 52
p0 0.6325 ± 0.01122
pull
Entries 53
Mean 261.2
Std Dev 233.6

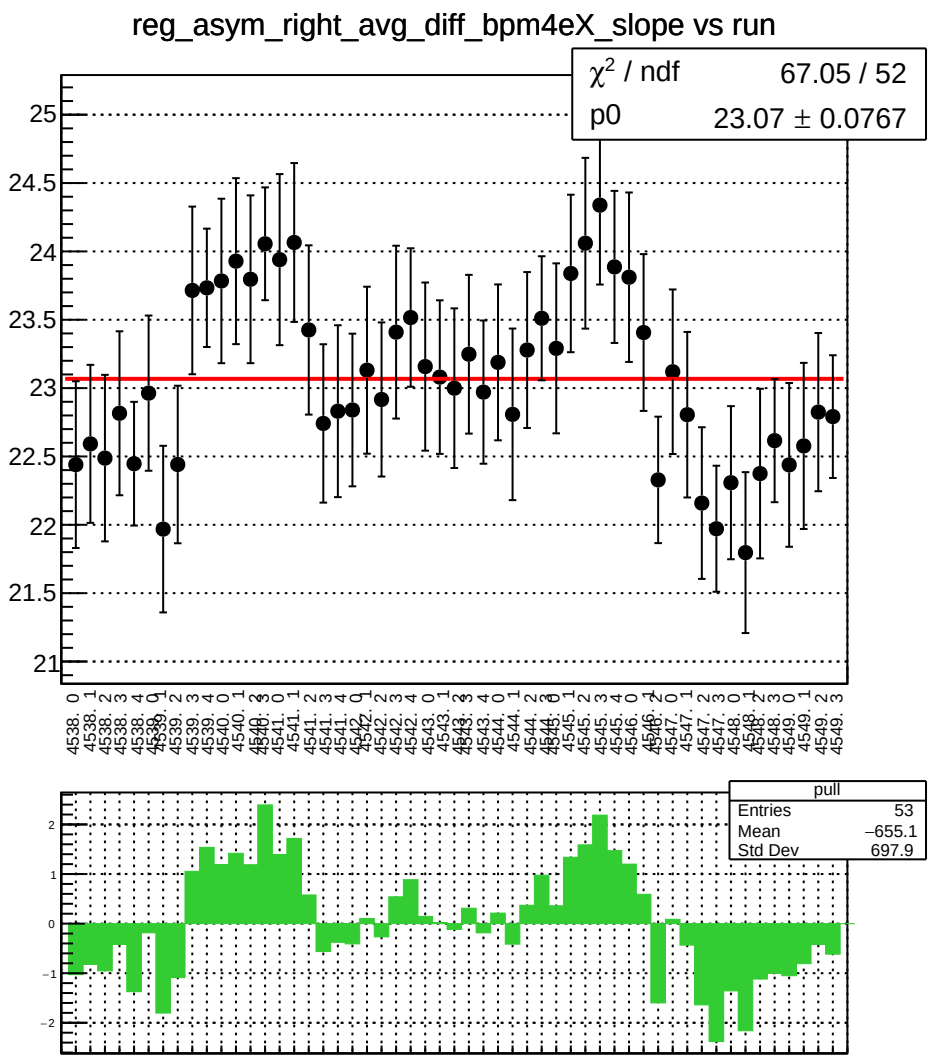

pull1D
Entries 53
Mean 0.01316
Std Dev 0.5929

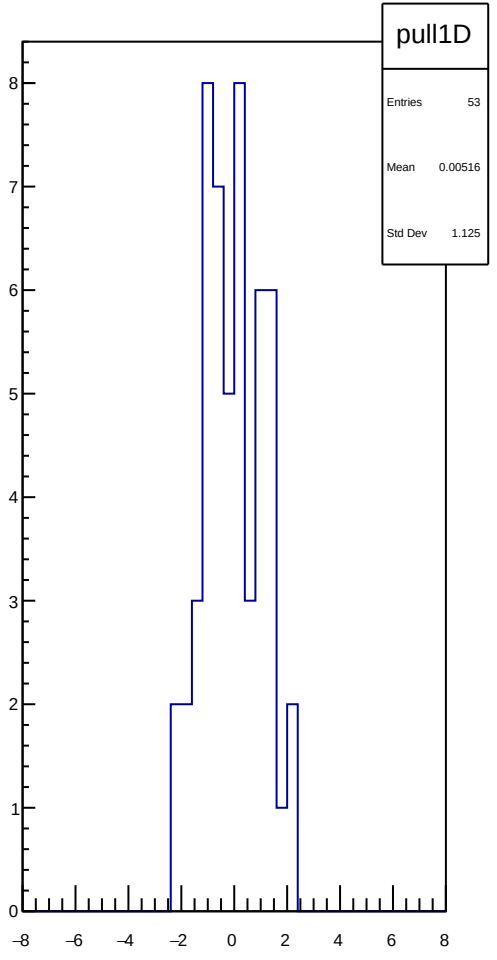

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.828 / 52
p0 −19.74 ± 0.4675
pull
Entries 53
Mean 288.2
Std Dev 261.7

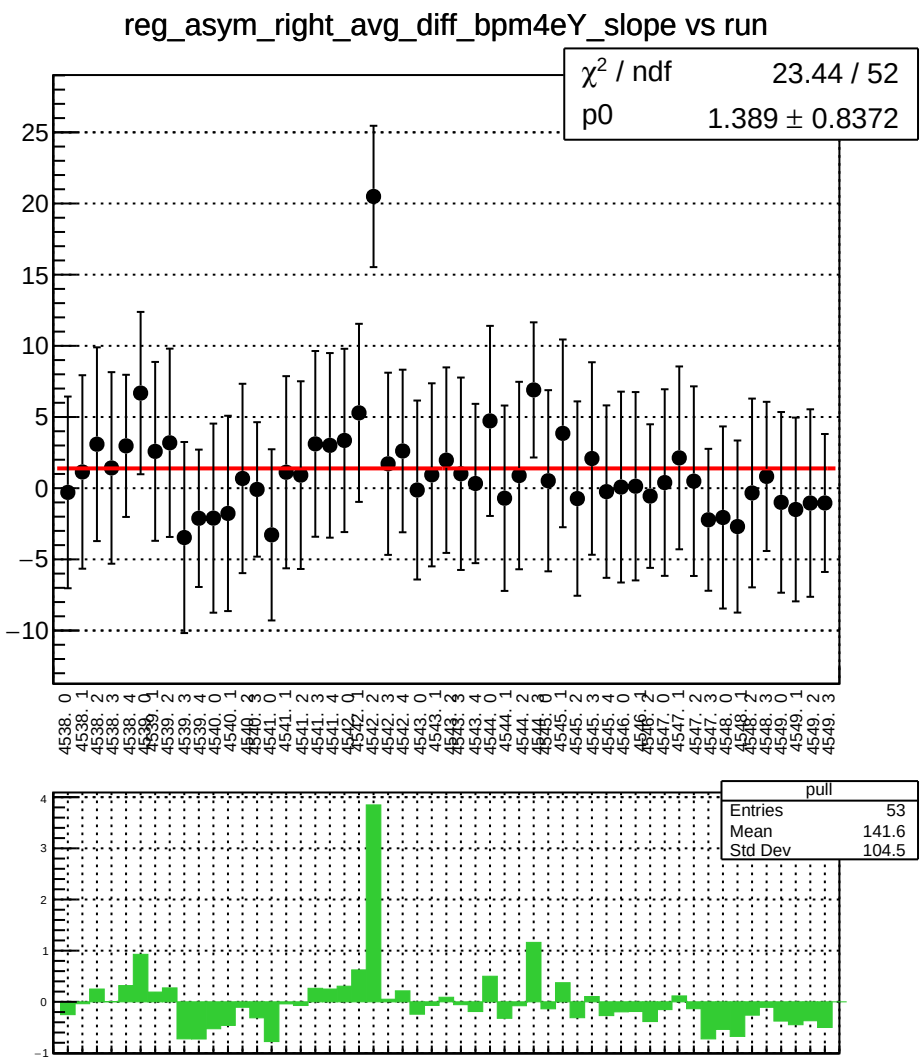

pull1D
Entries 53
Mean 0.008705
Std Dev 0.3017

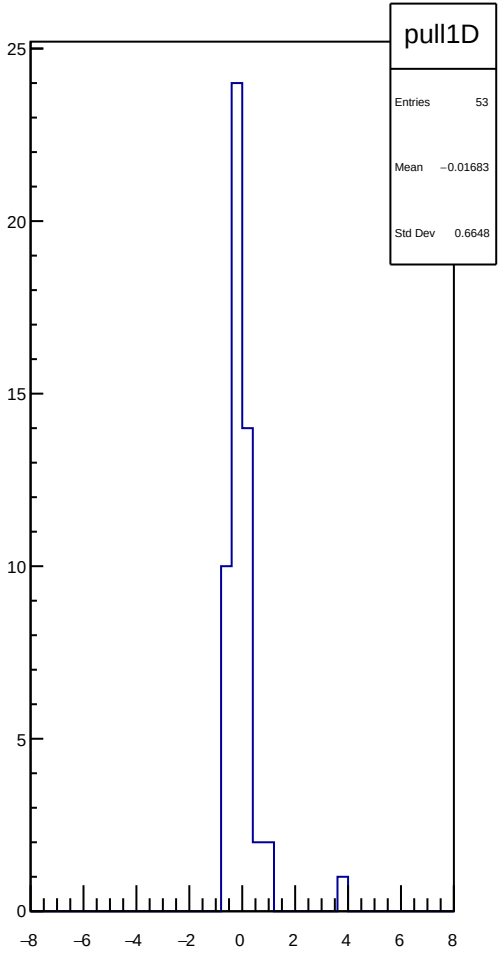

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.11 / 52
p0 12.46 ± 0.6218
pull
Entries 53
Mean 119.8
Std Dev 81.07

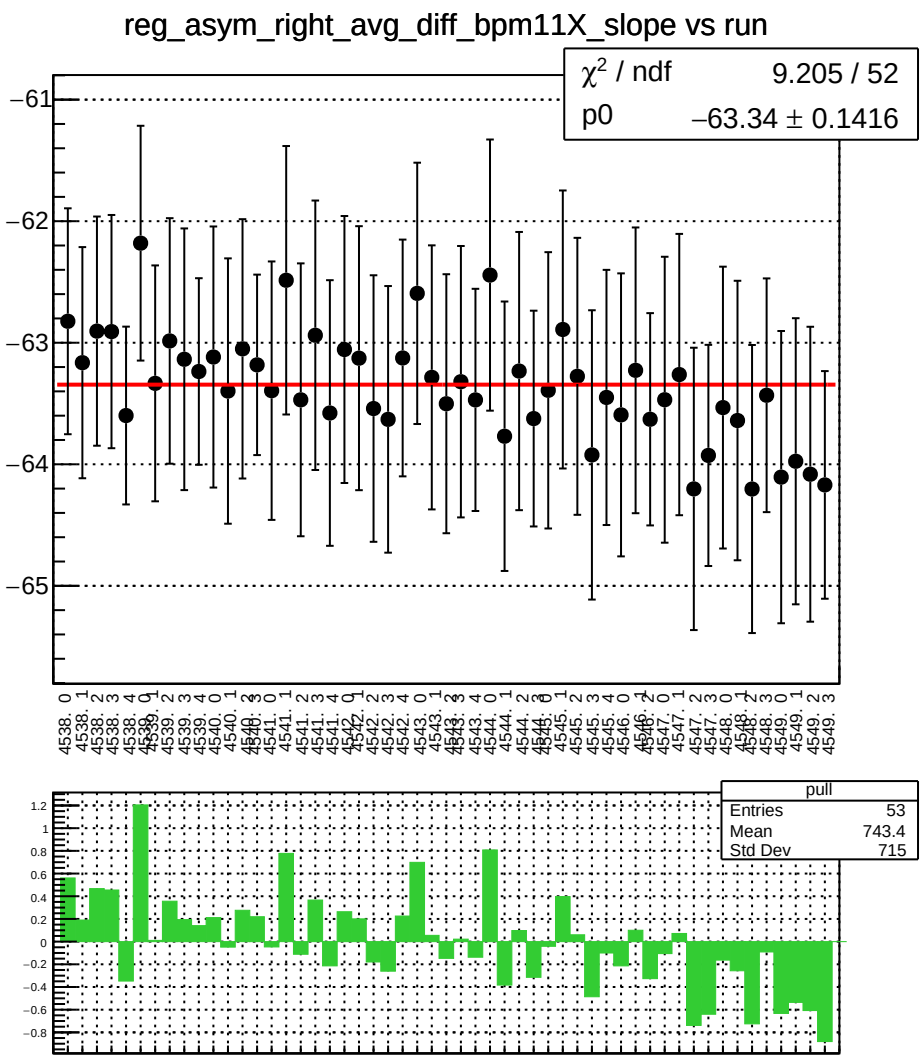

pull1D
Entries 53
Mean 0.01688
Std Dev 0.6456

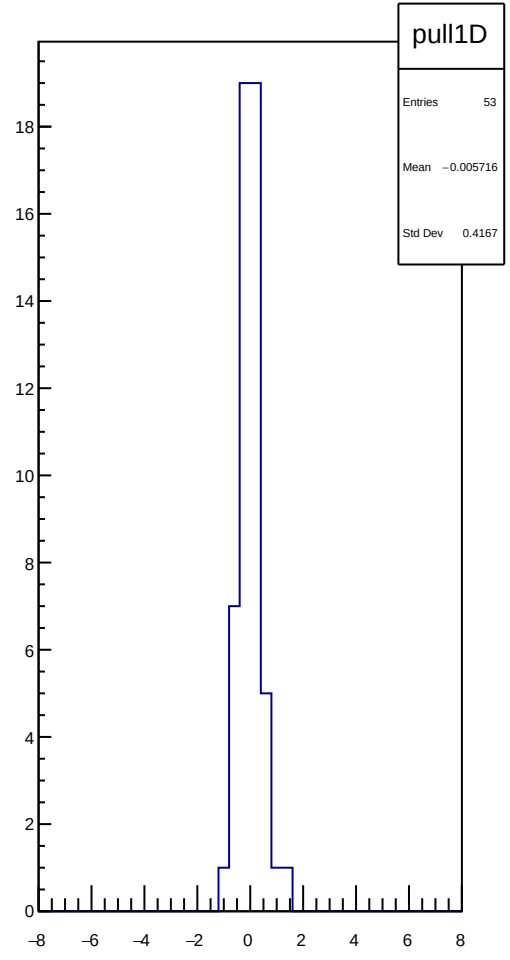

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 67.05 / 52
p0 23.07 ± 0.0767
pull
Entries 53
Mean −655.1
Std Dev 697.9

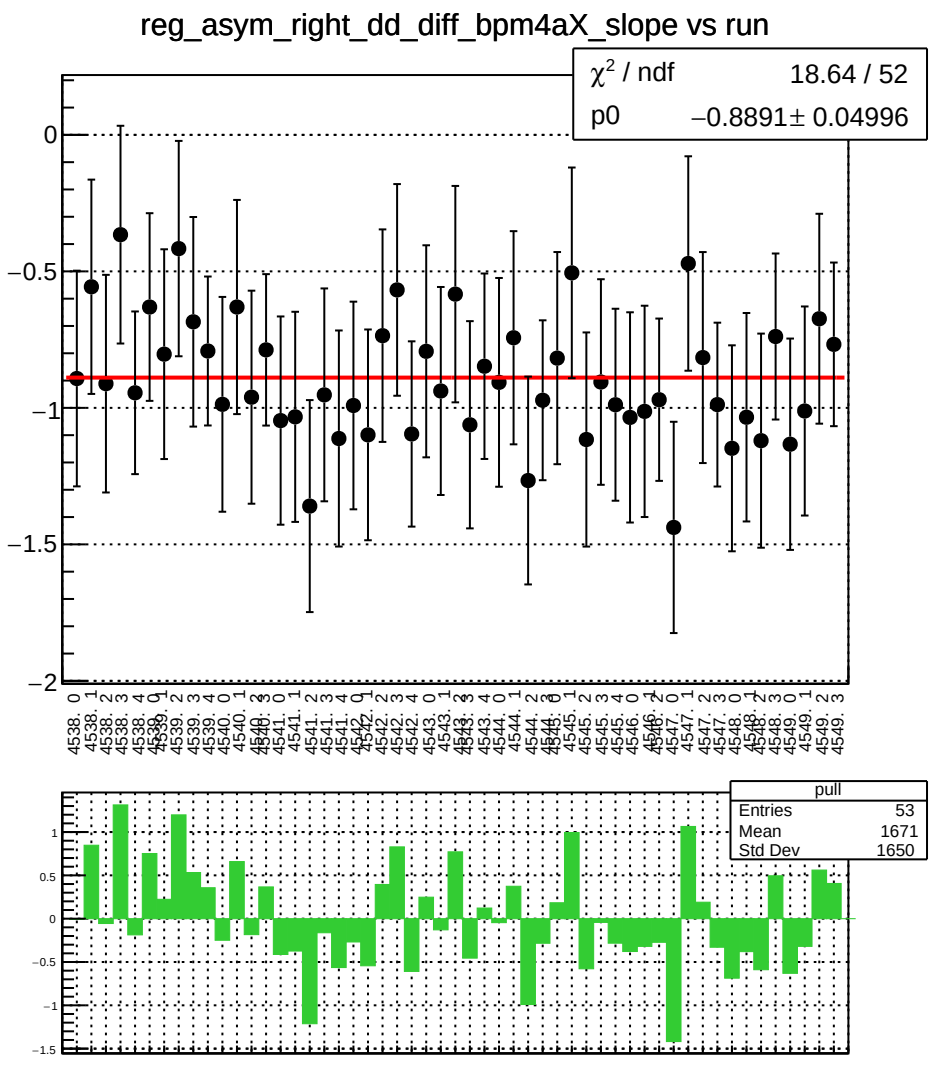

pull1D
Entries 53
Mean 0.00516
Std Dev 1.125

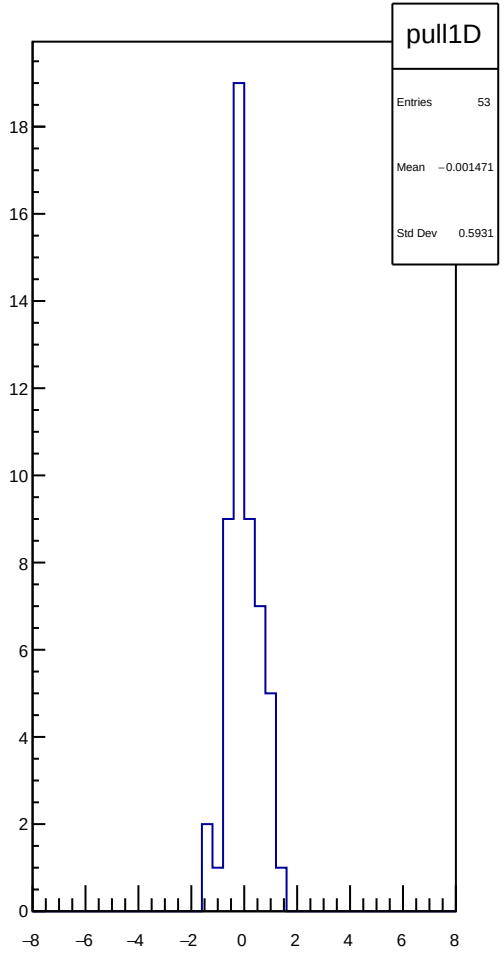

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.44 / 52
p0 1.389 ± 0.8372
pull
Entries 53
Mean 141.6
Std Dev 104.5

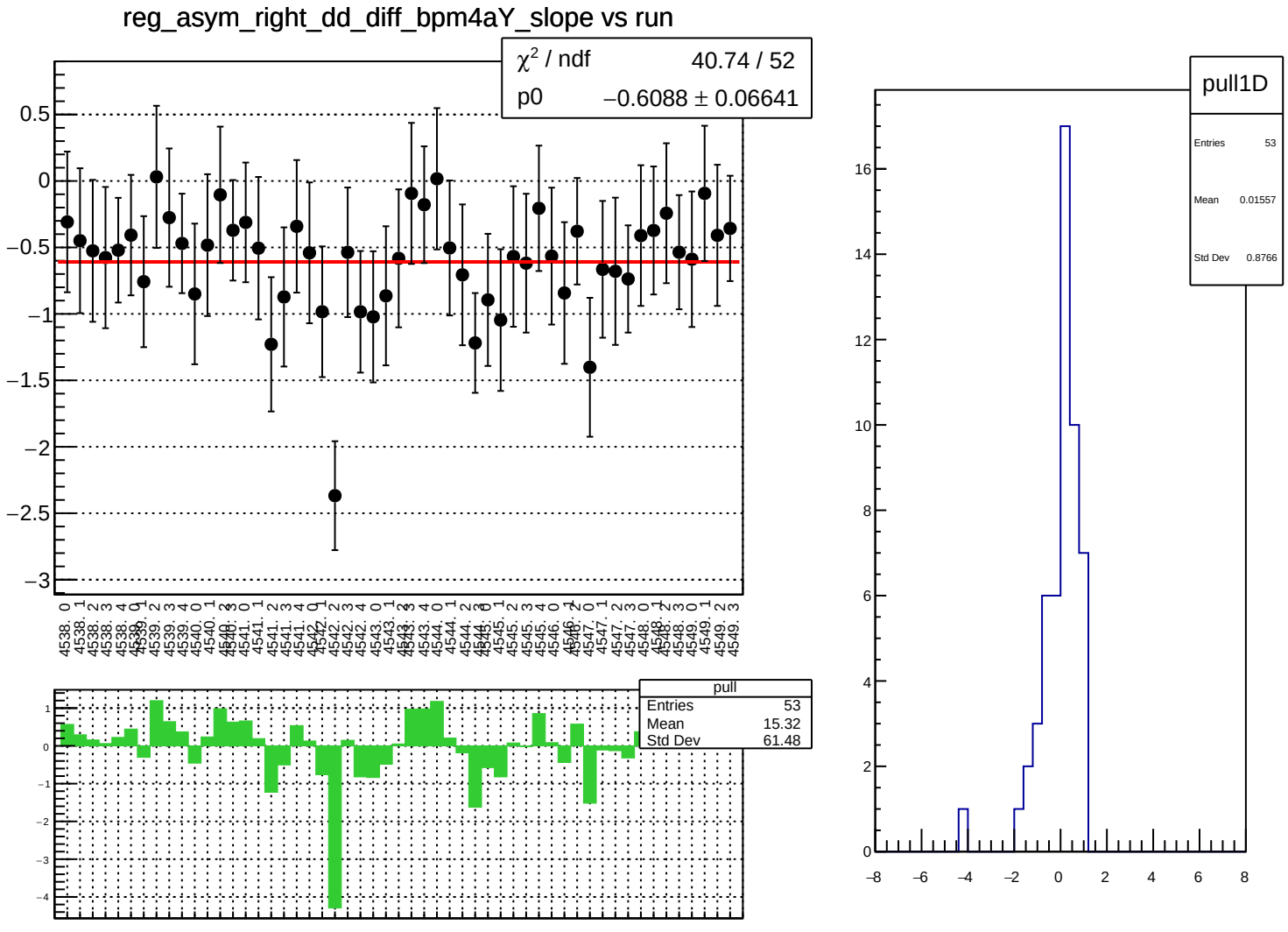

pull1D
Entries 53
Mean −0.01683
Std Dev 0.6648

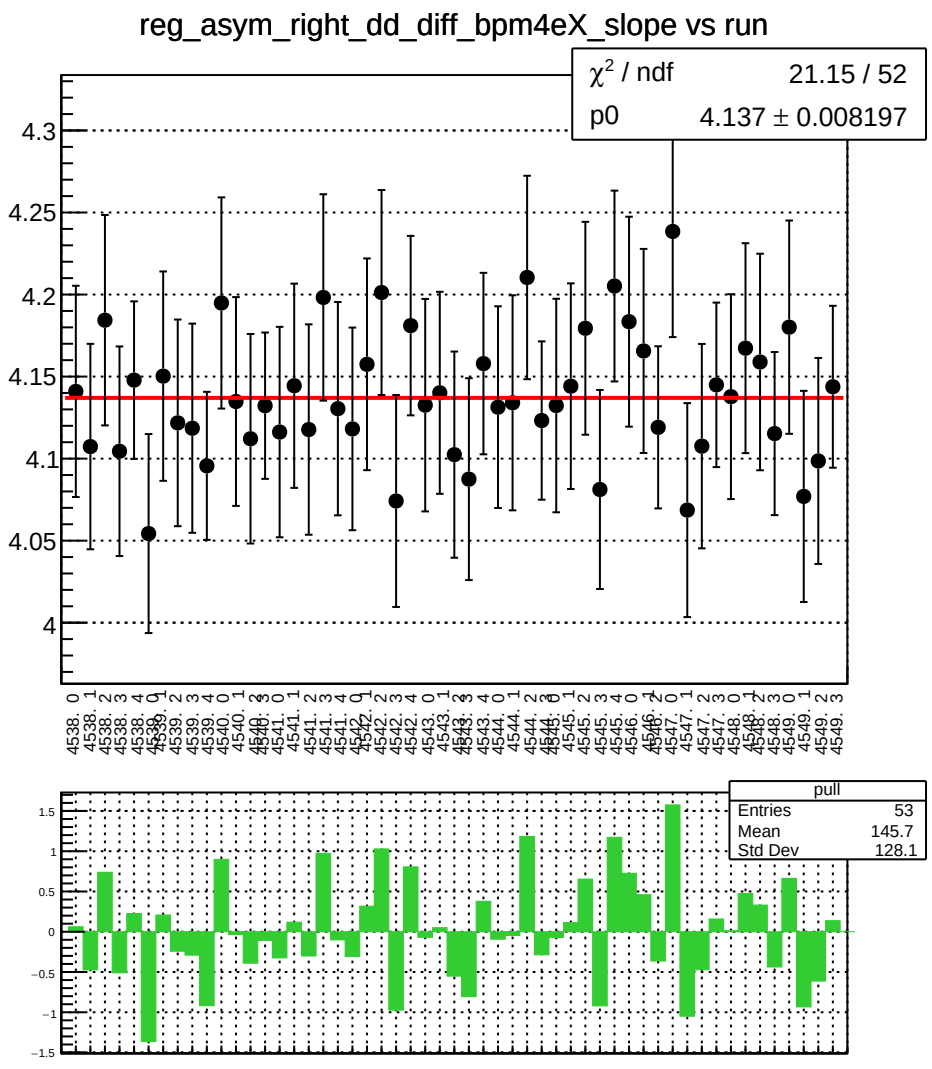

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 9.205 / 52
p0 −63.34 ± 0.1416
pull
Entries 53
Mean 743.4
Std Dev 715

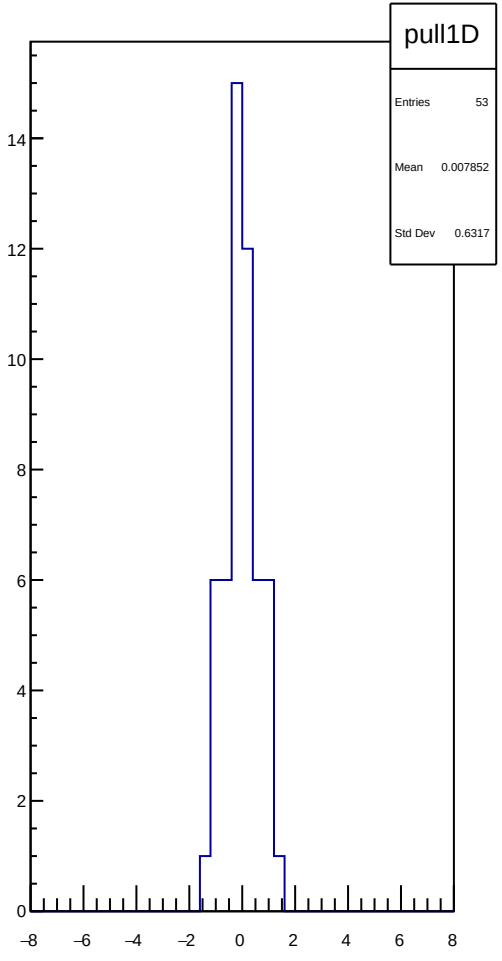

pull1D
Entries 53
Mean −0.005716
Std Dev 0.4167

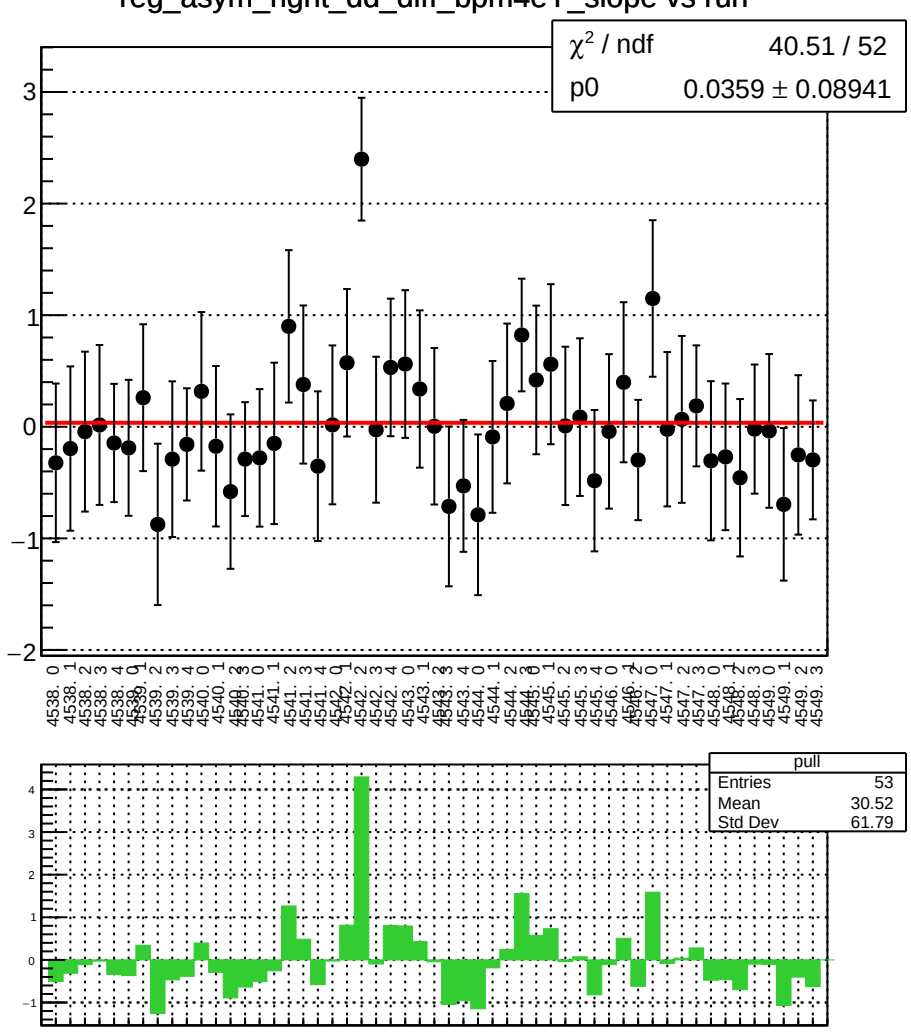

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 18.64 / 52
p0 −0.8891± 0.04996
pull
Entries 53
Mean 1671
Std Dev 1650

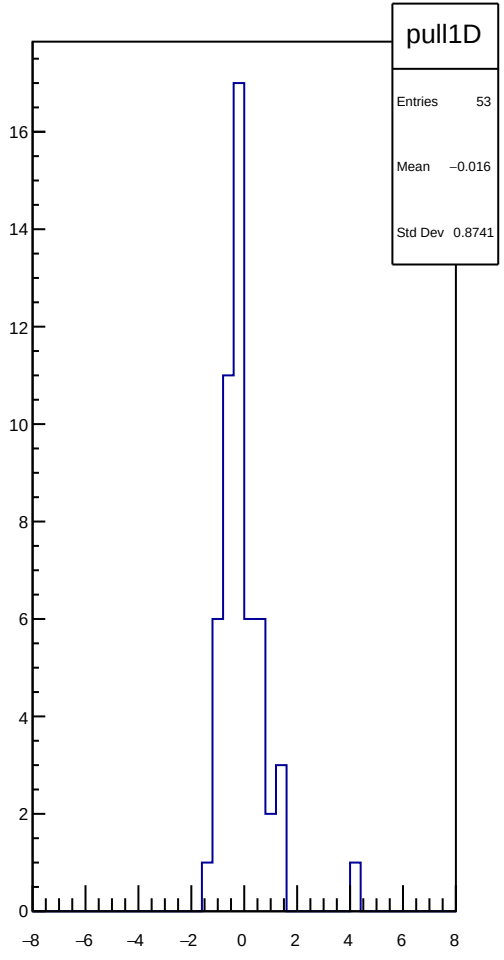

pull1D
Entries 53
Mean −0.001471
Std Dev 0.5931

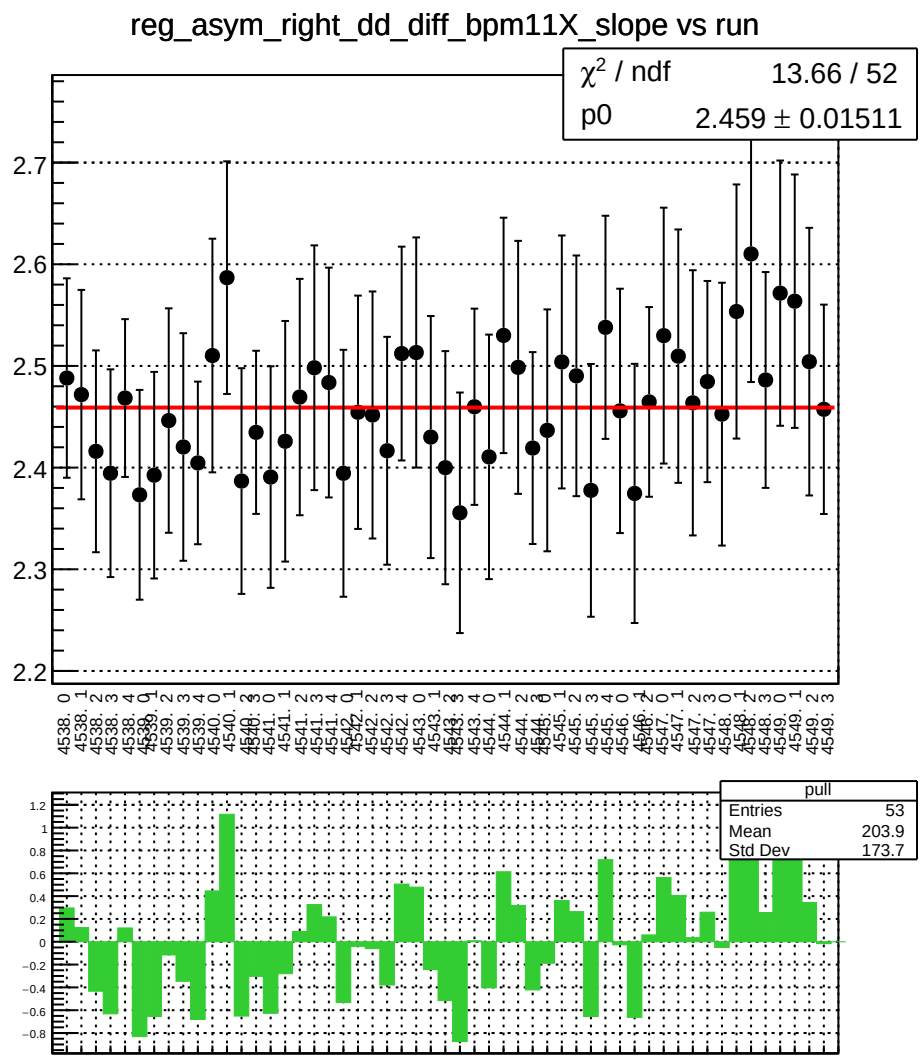

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.74 / 52
p0 −0.6088 ± 0.06641
pull
Entries 53
Mean 15.32
Std Dev 61.48
pull1D
Entries 53
Mean 0.01557
Std Dev 0.8766

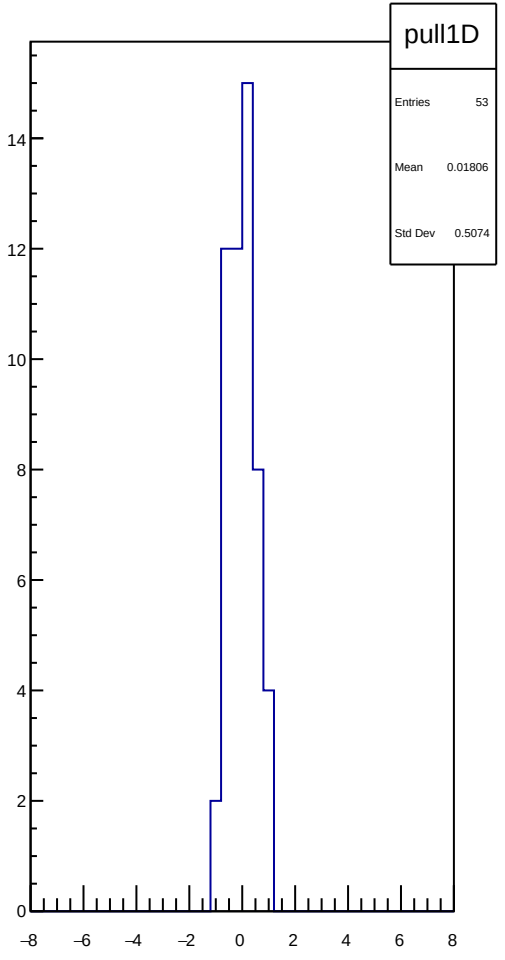

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.15 / 52
p0 4.137 ± 0.008197
4.3
4.25
4.2
4.15
4.1
4.05
4
pull
Entries 53
Mean 145.7
Std Dev 128.1
1.5
1
0.5
0
−0.5
−1
−1.5

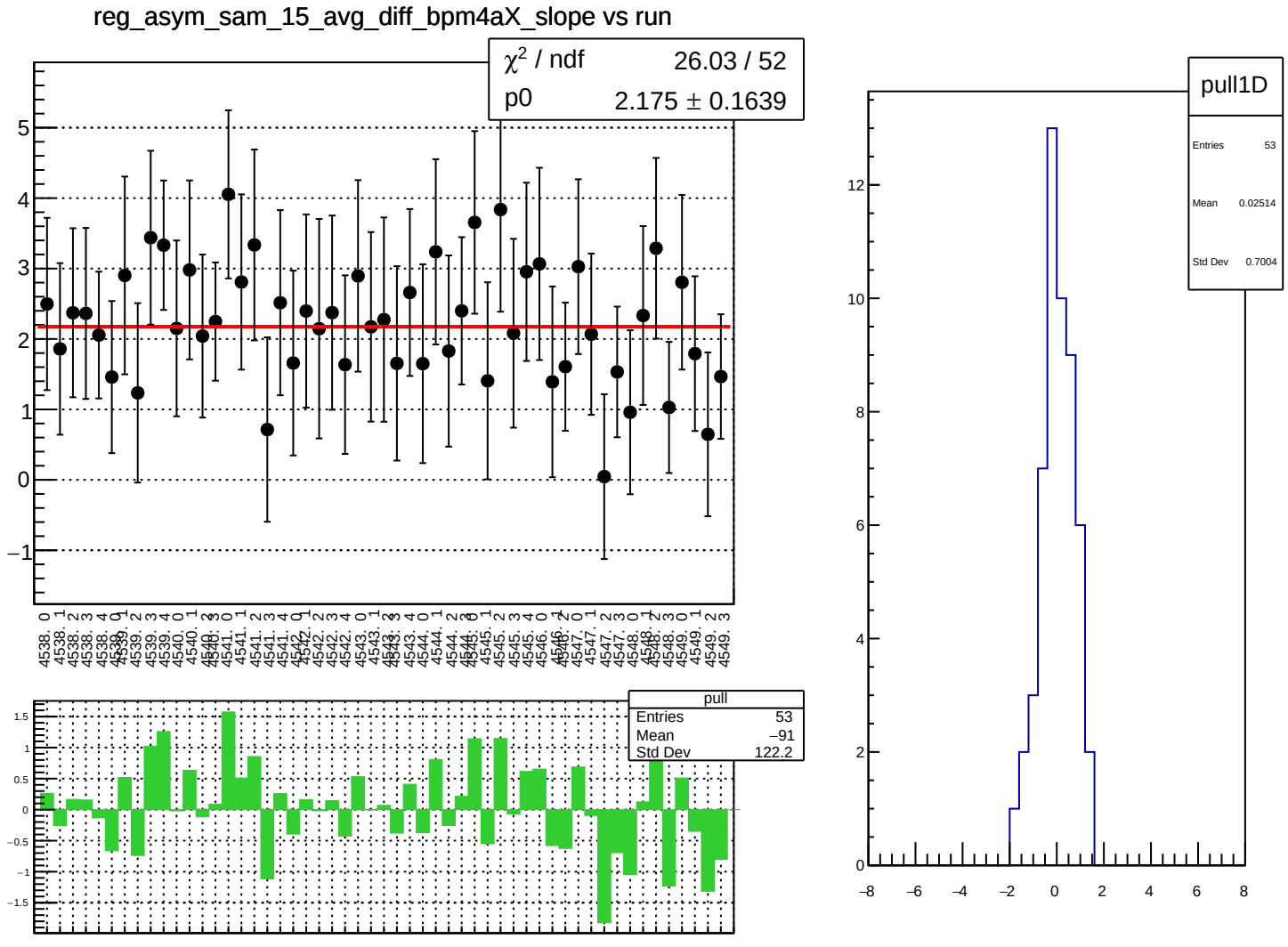

pull1D
Entries 53
Mean 0.007852
Std Dev 0.6317
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

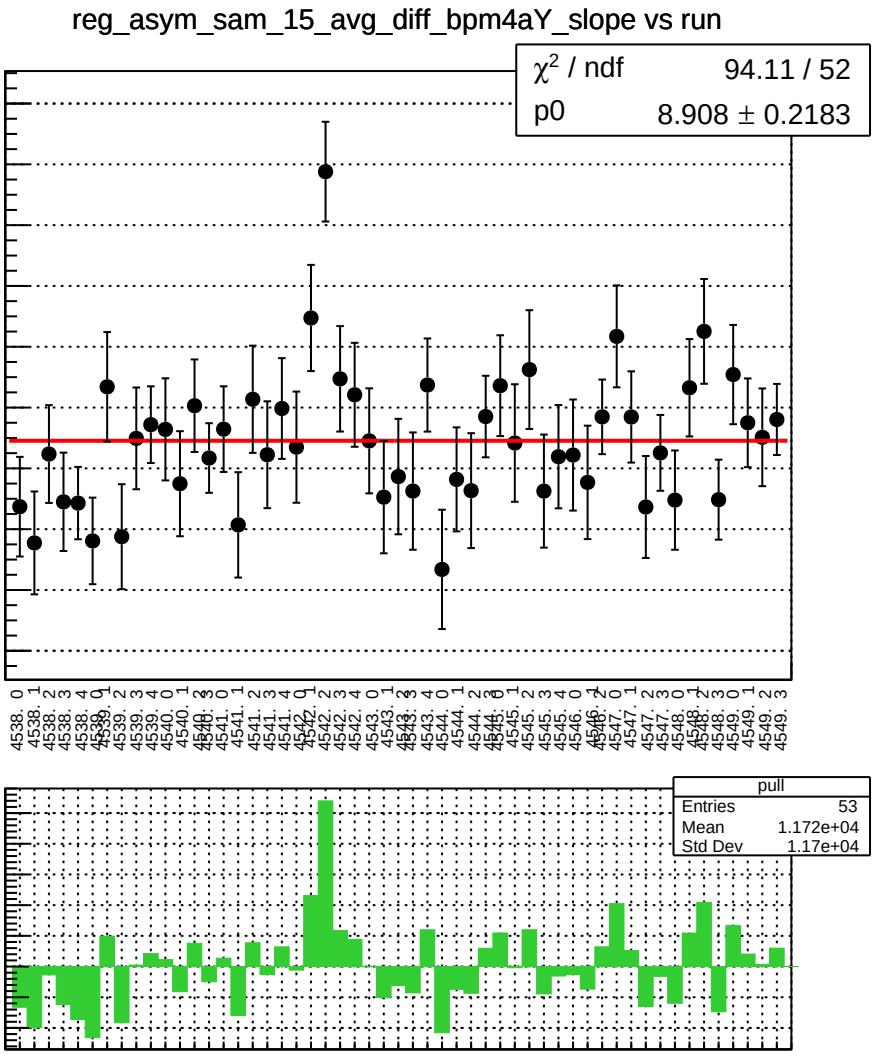

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.51 / 52
p0 0.0359 ± 0.08941
pull
Entries 53
Mean 30.52
Std Dev 61.79

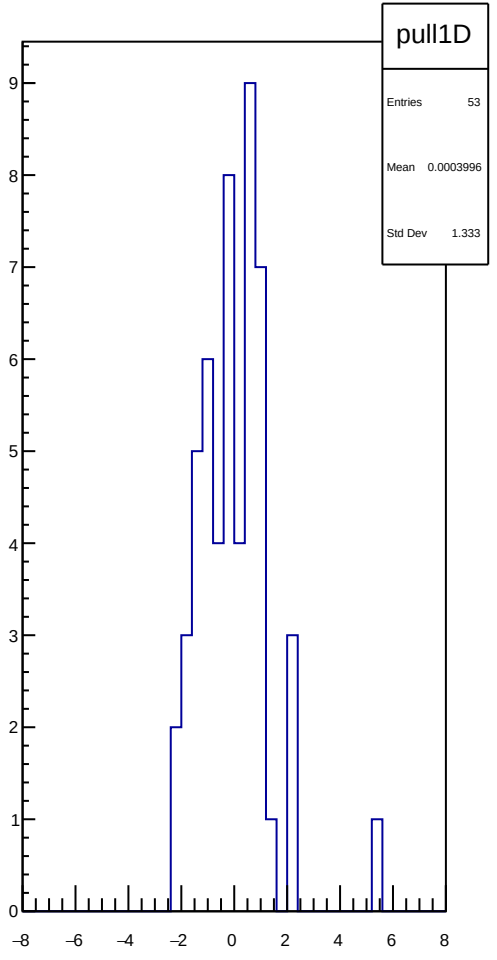

pull1D
Entries 53
Mean −0.016
Std Dev 0.8741

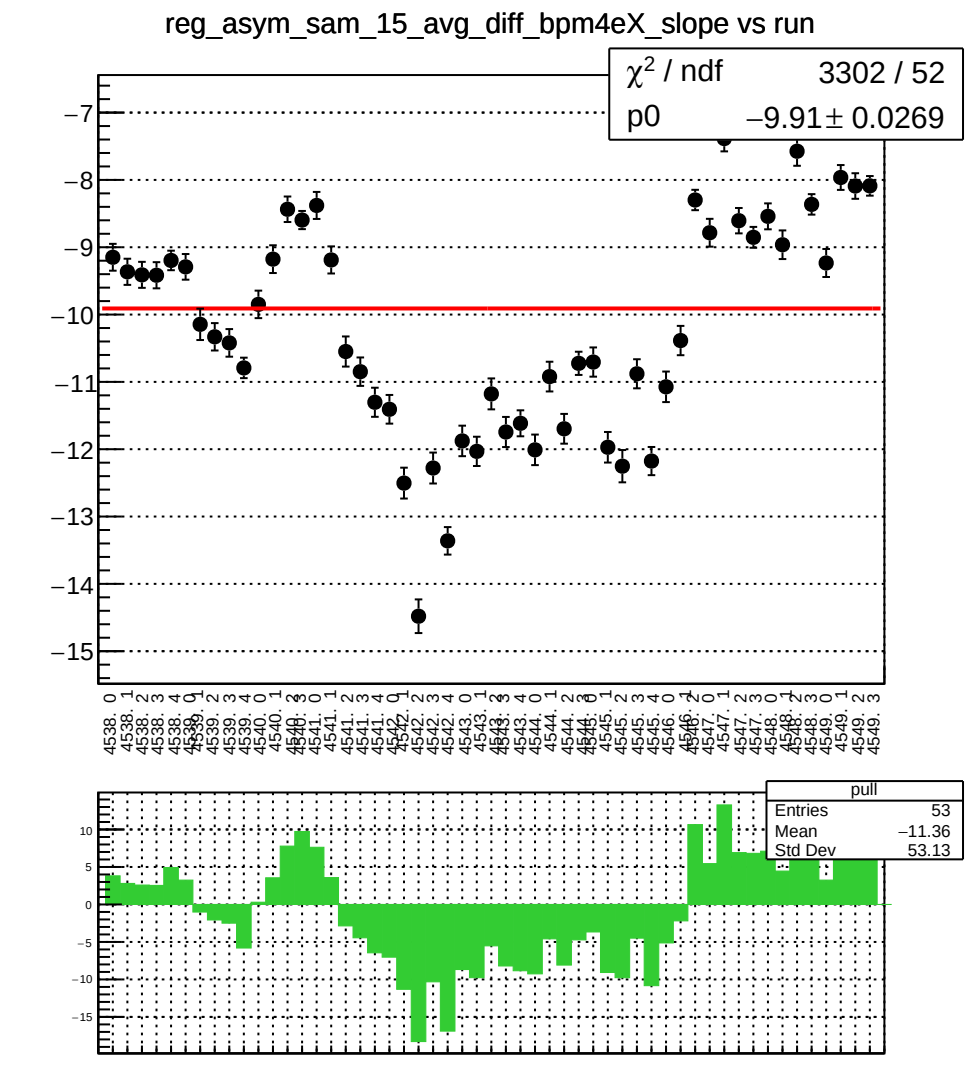

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 13.66 / 52
p0 2.459 ± 0.01511
pull
Entries 53
Mean 203.9
Std Dev 173.7

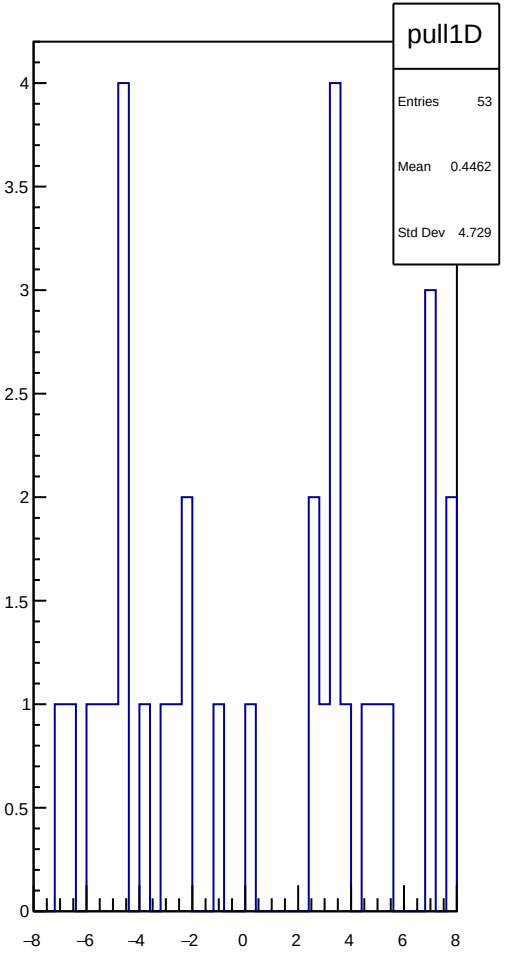

pull1D
Entries 53
Mean 0.01806
Std Dev 0.5074

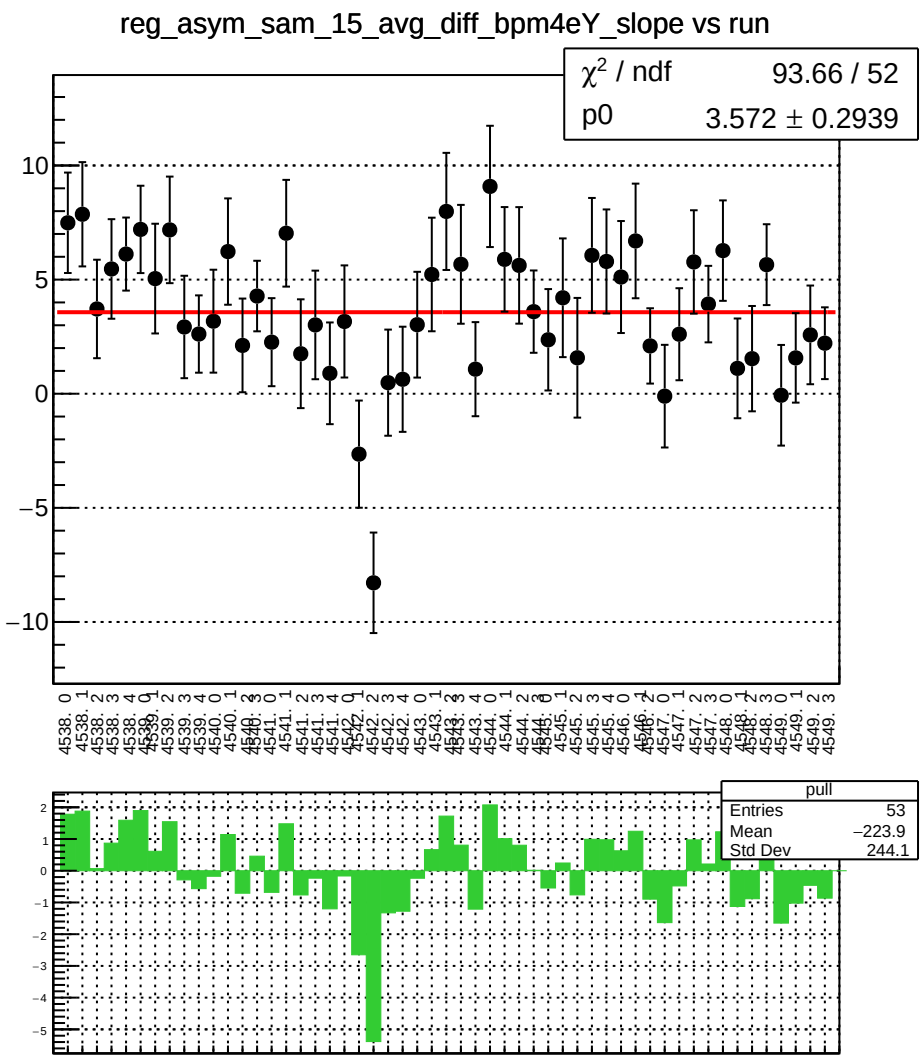

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 26.03 / 52
p0 2.175 ± 0.1639
pull
Entries 53
Mean −91
Std Dev 122.2
pull1D
Entries 53
Mean 0.02514
Std Dev 0.7004

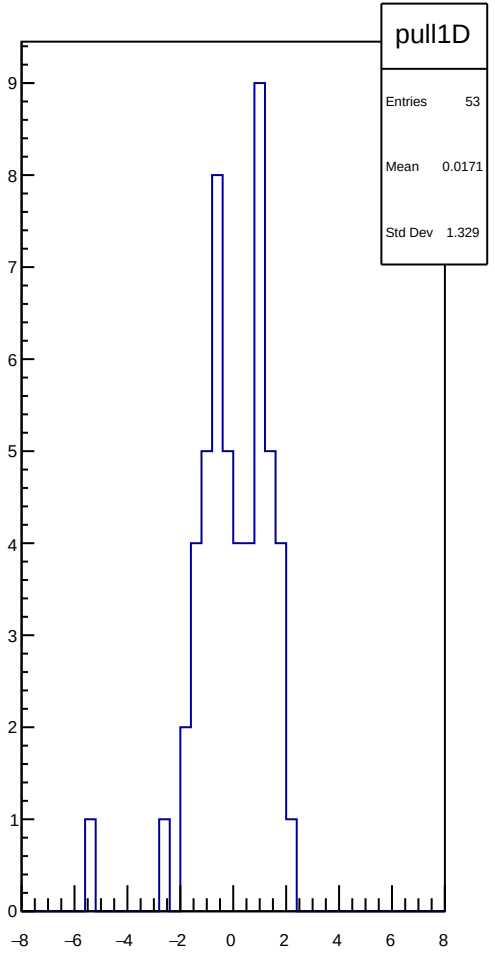

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 94.11 / 52
p0 8.908 ± 0.2183
pull
Entries 53
Mean 1.172e+04
Std Dev 1.17e+04

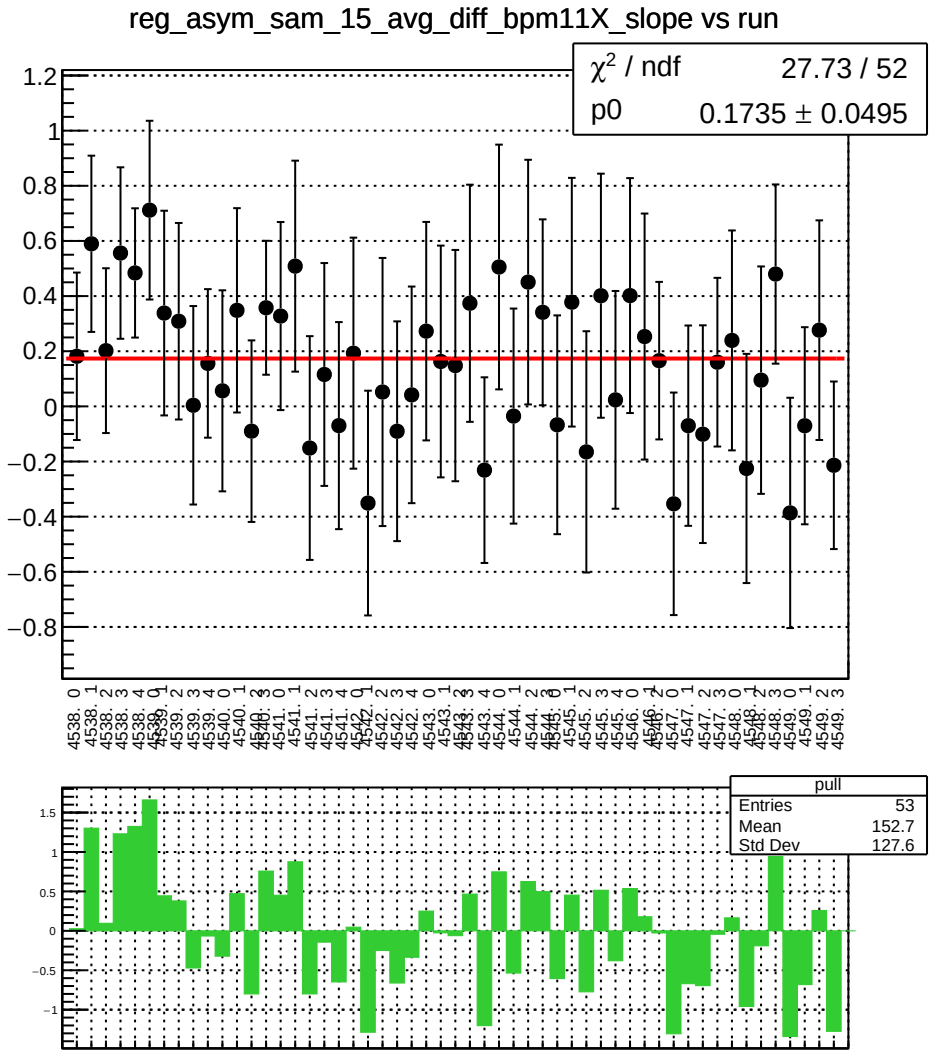

pull1D
Entries 53
Mean 0.0003996
Std Dev 1.333

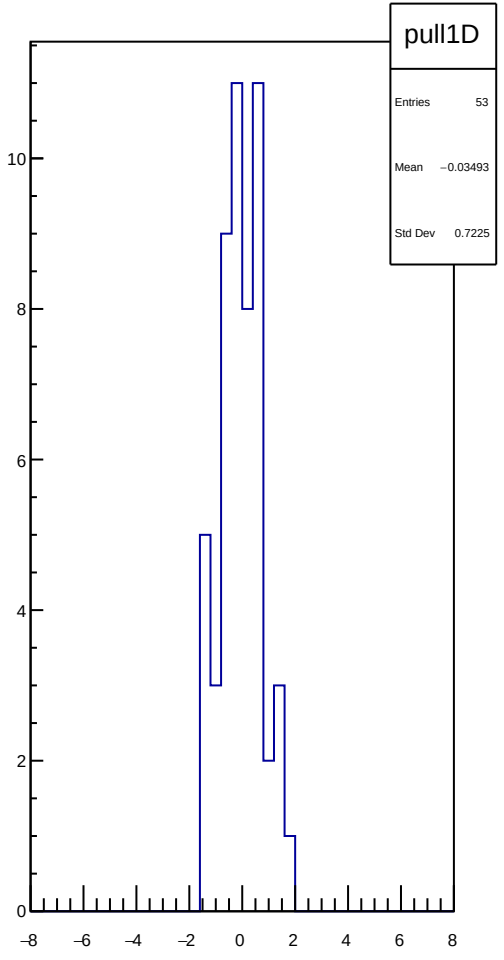

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 3302 / 52
p0 −9.91 ± 0.0269
pull
Entries 53
Mean −11.36
Std Dev 53.13

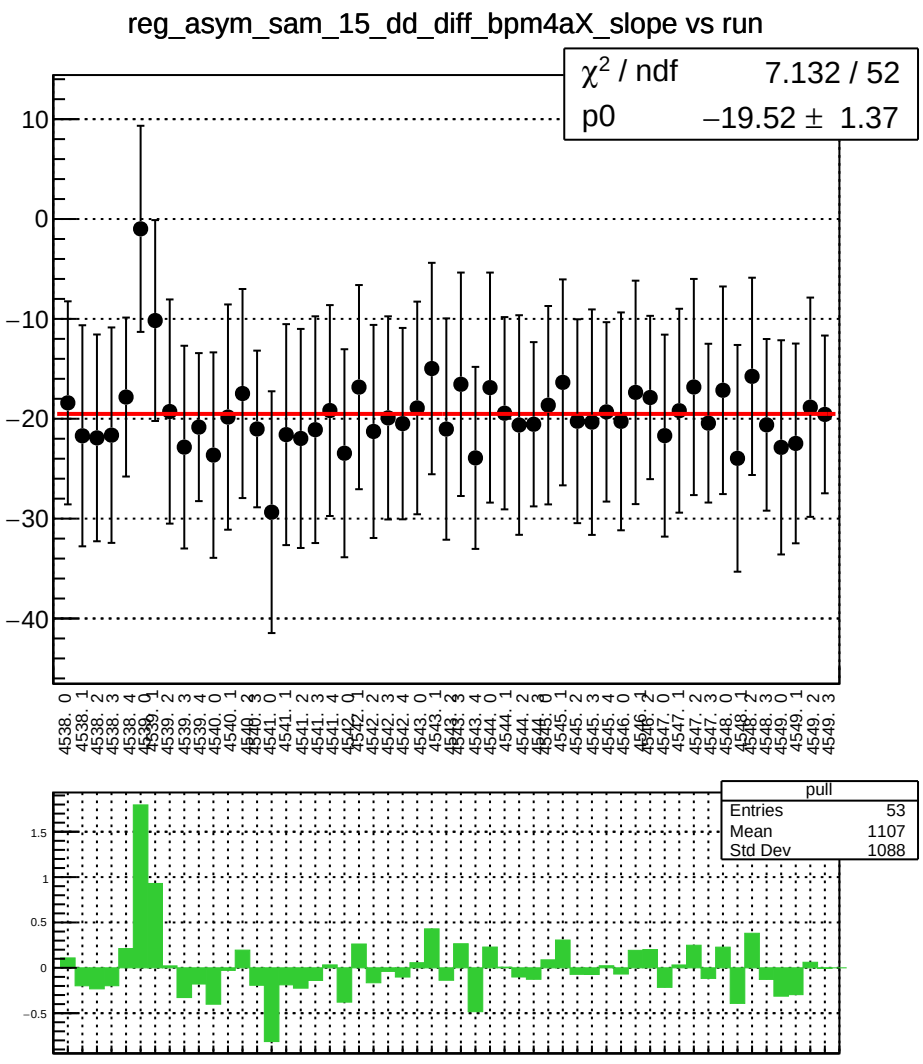

pull1D
Entries 53
Mean 0.4462
Std Dev 4.729

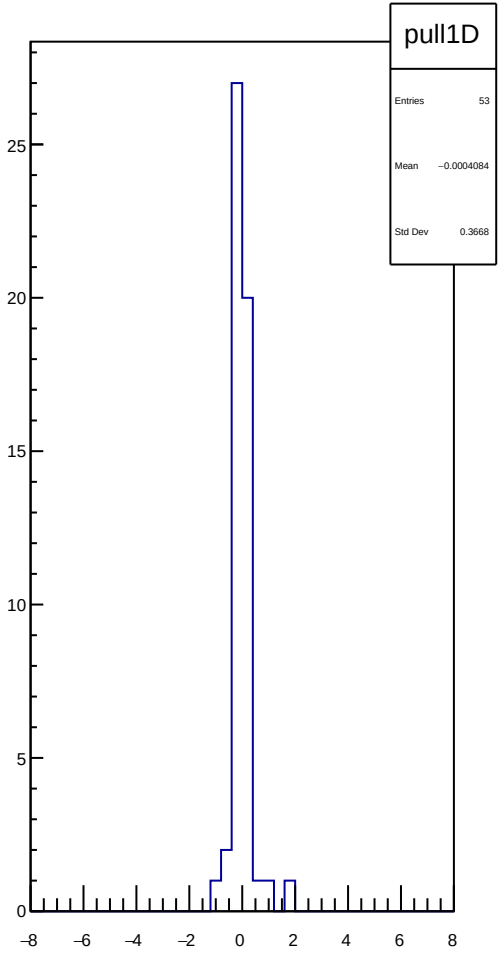

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 93.66 / 52
p0 3.572 ± 0.2939
pull
Entries 53
Mean −223.9
Std Dev 244.1

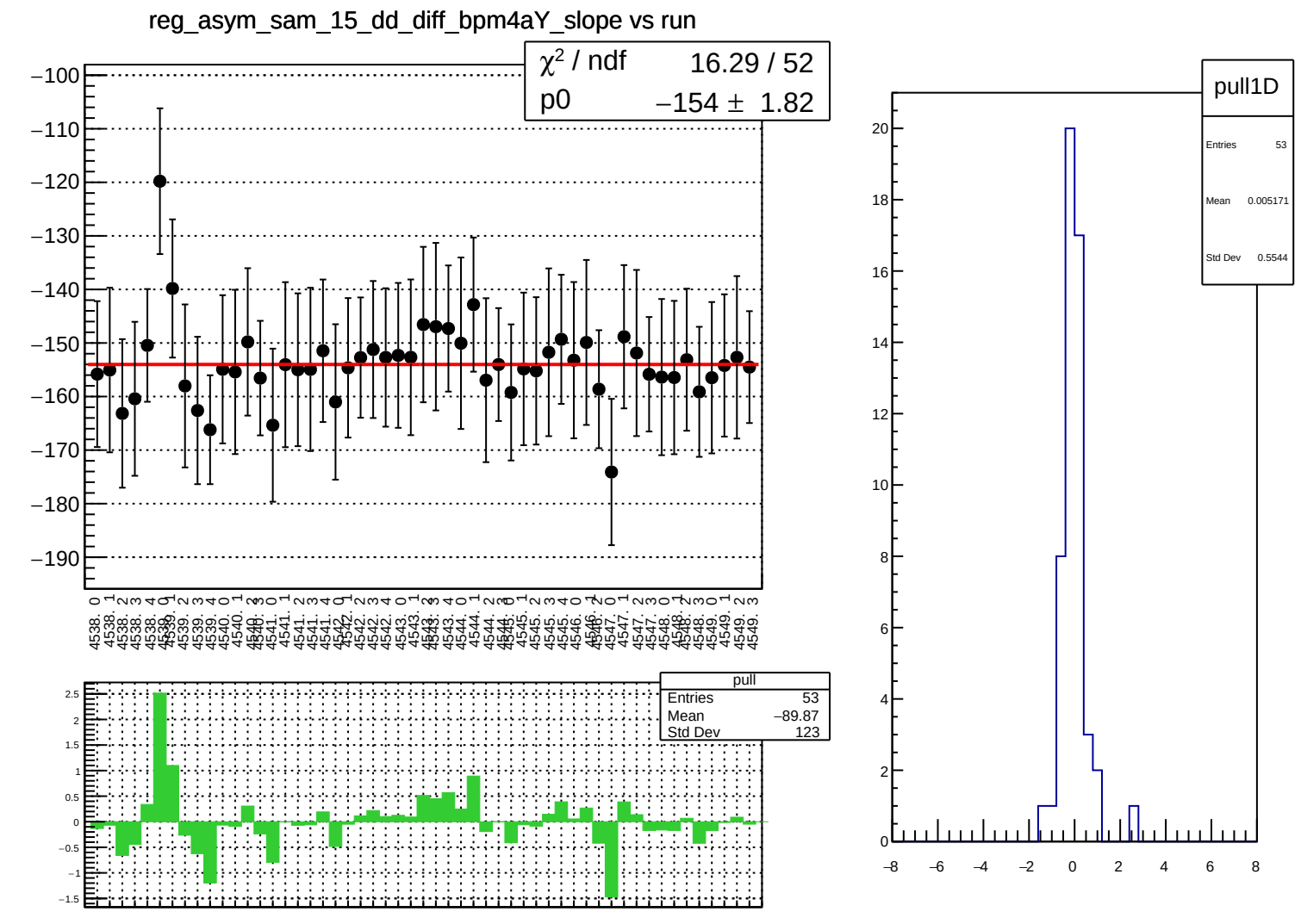

pull1D
Entries 53
Mean 0.0171
Std Dev 1.329

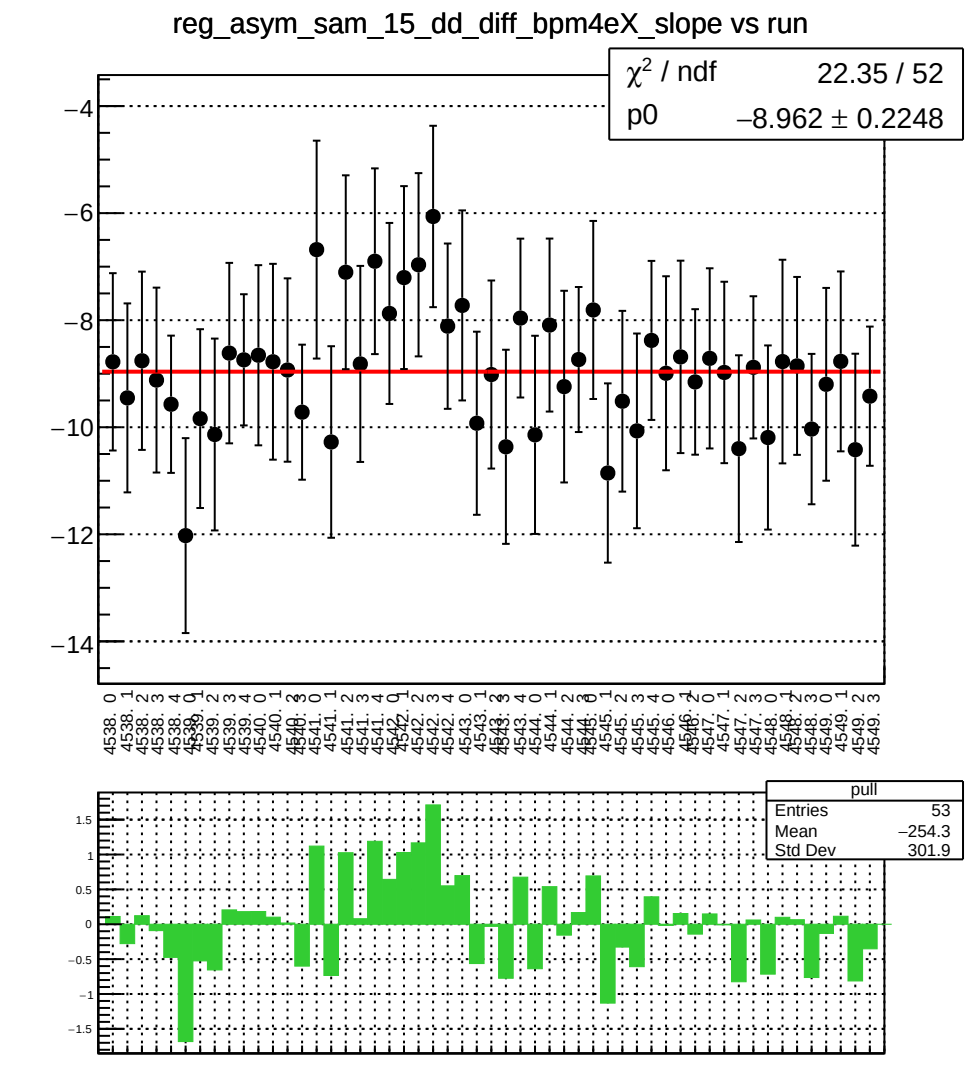

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 27.73 / 52
p0 0.1735 ± 0.0495
pull
Entries 53
Mean 152.7
Std Dev 127.6

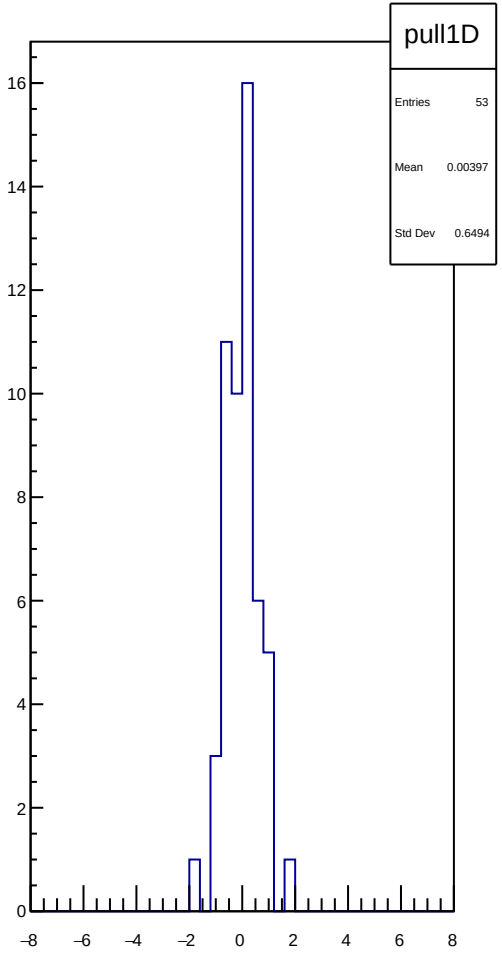

pull1D
Entries 53
Mean −0.03493
Std Dev 0.7225

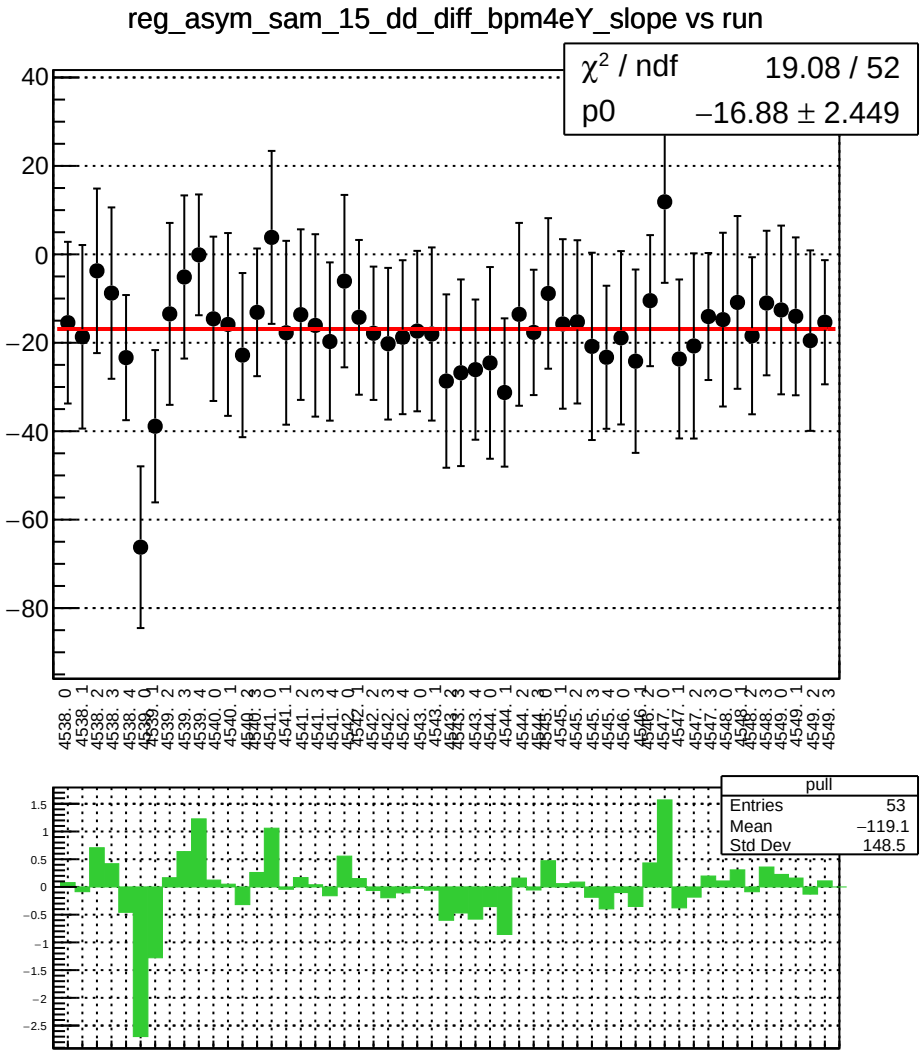

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.132 / 52
p0 −19.52 ± 1.37
pull
Entries 53
Mean 1107
Std Dev 1088

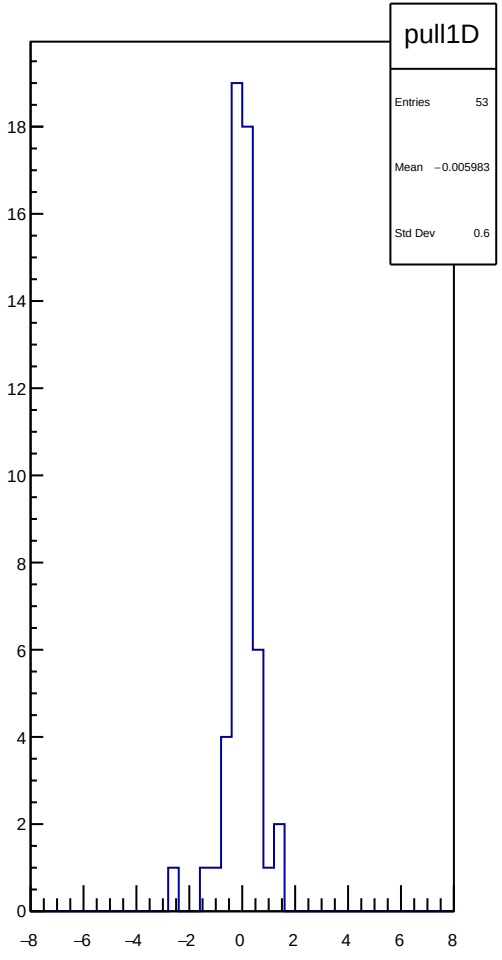

pull1D
Entries 53
Mean −0.0004084
Std Dev 0.3668

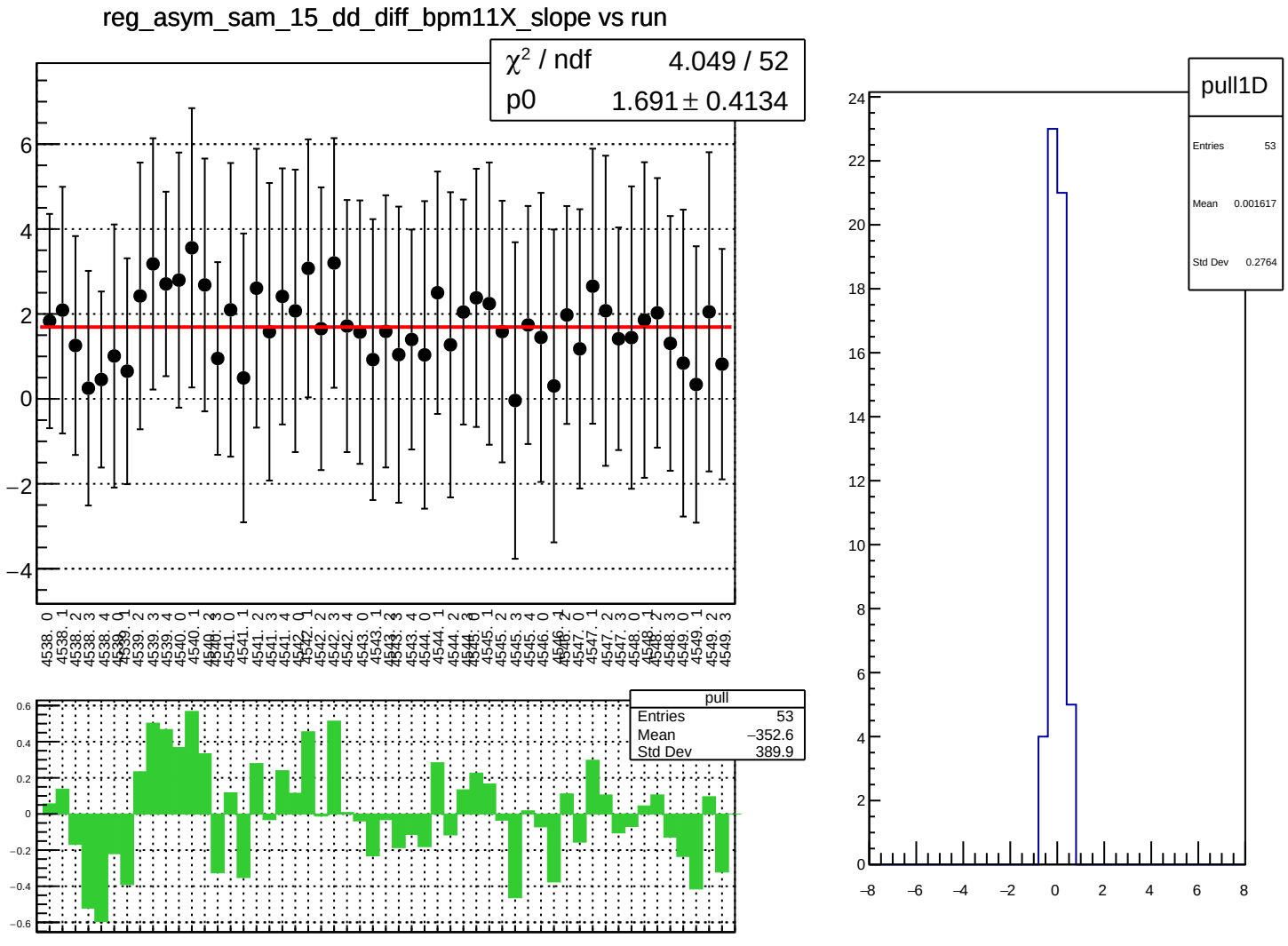

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.29 / 52
p0 −154 ± 1.82
pull
Entries 53
Mean −89.87
Std Dev 123
pull1D
Entries 53
Mean 0.005171
Std Dev 0.5544

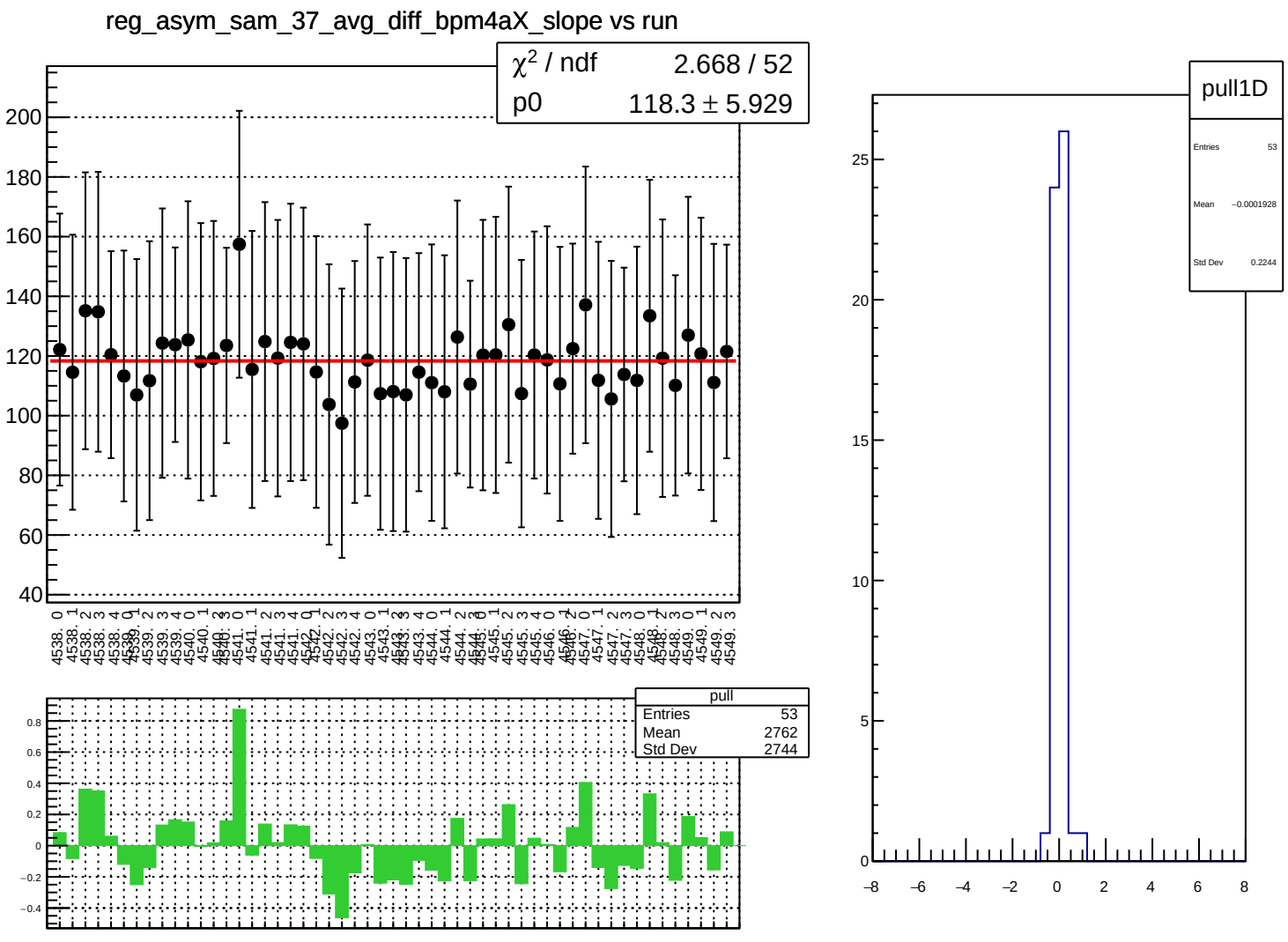

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.35 / 52
p0 −8.962 ± 0.2248
pull
Entries 53
Mean −254.3
Std Dev 301.9

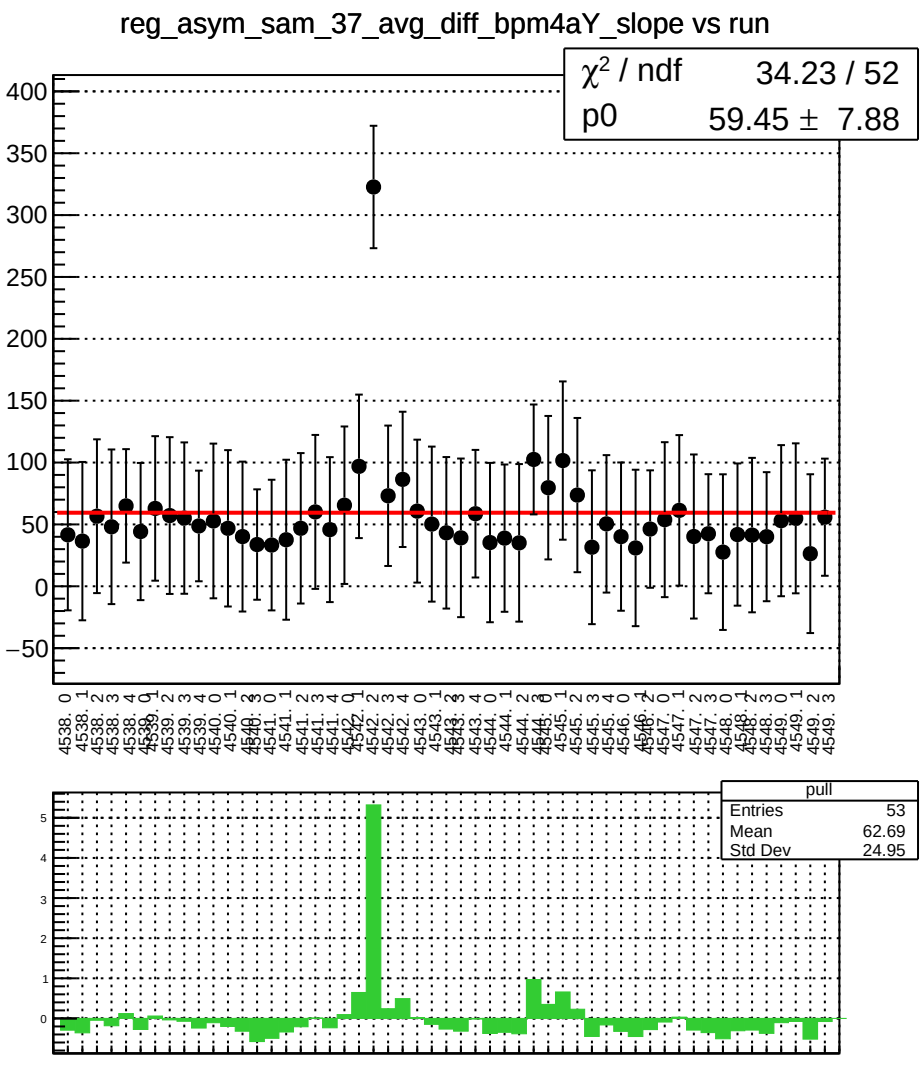

pull1D
Entries 53
Mean 0.00397
Std Dev 0.6494

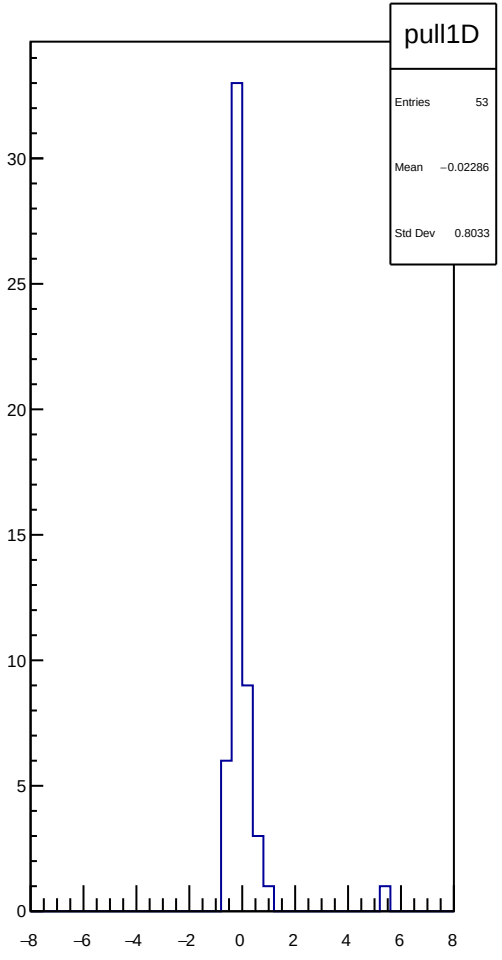

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.08 / 52
p0 −16.88 ± 2.449
pull
Entries 53
Mean −119.1
Std Dev 148.5

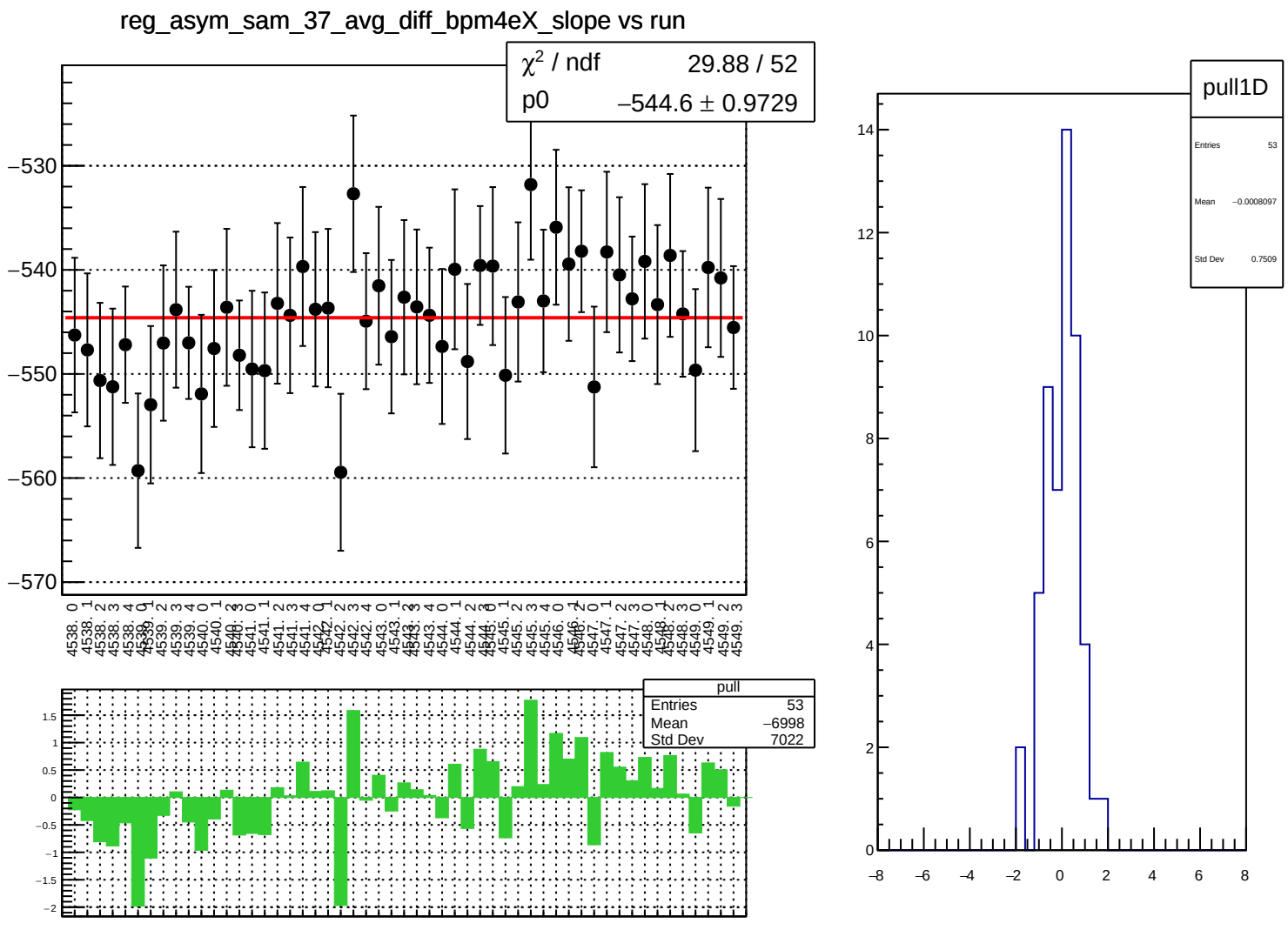

pull1D
Entries 53
Mean −0.005983
Std Dev 0.6

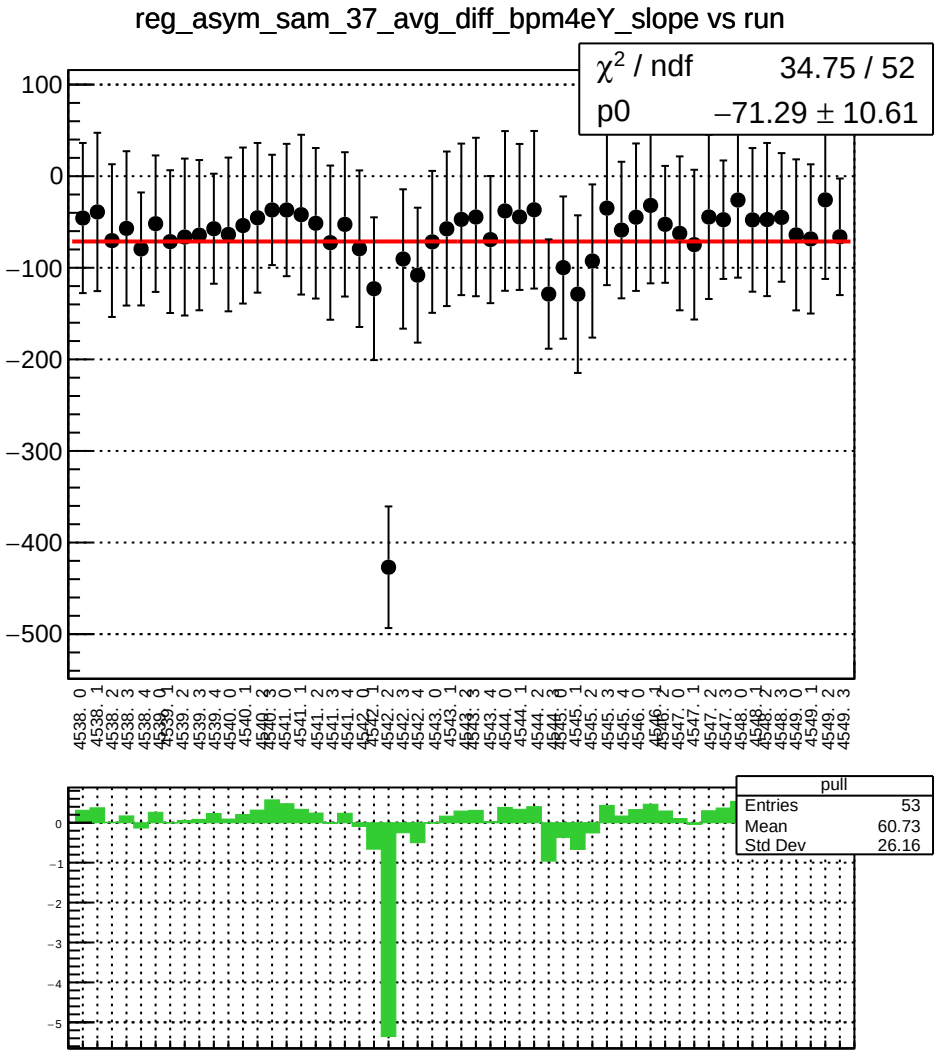

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 4.049 / 52
p0 1.691 ± 0.4134
pull
Entries 53
Mean −352.6
Std Dev 389.9
pull1D
Entries 53
Mean 0.001617
Std Dev 0.2764

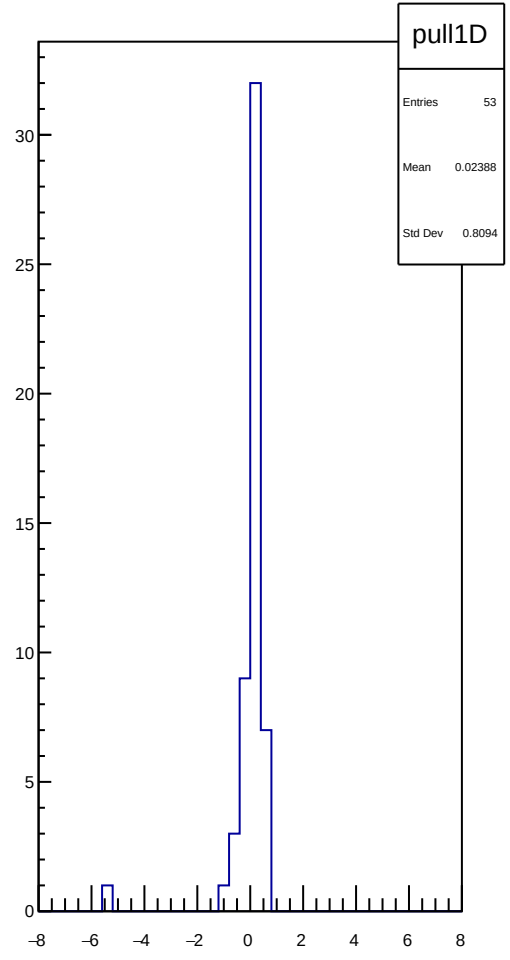

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.668 / 52
p0 118.3 ± 5.929
pull
Entries 53
Mean 2762
Std Dev 2744
pull1D
Entries 53
Mean −0.0001928
Std Dev 0.2244

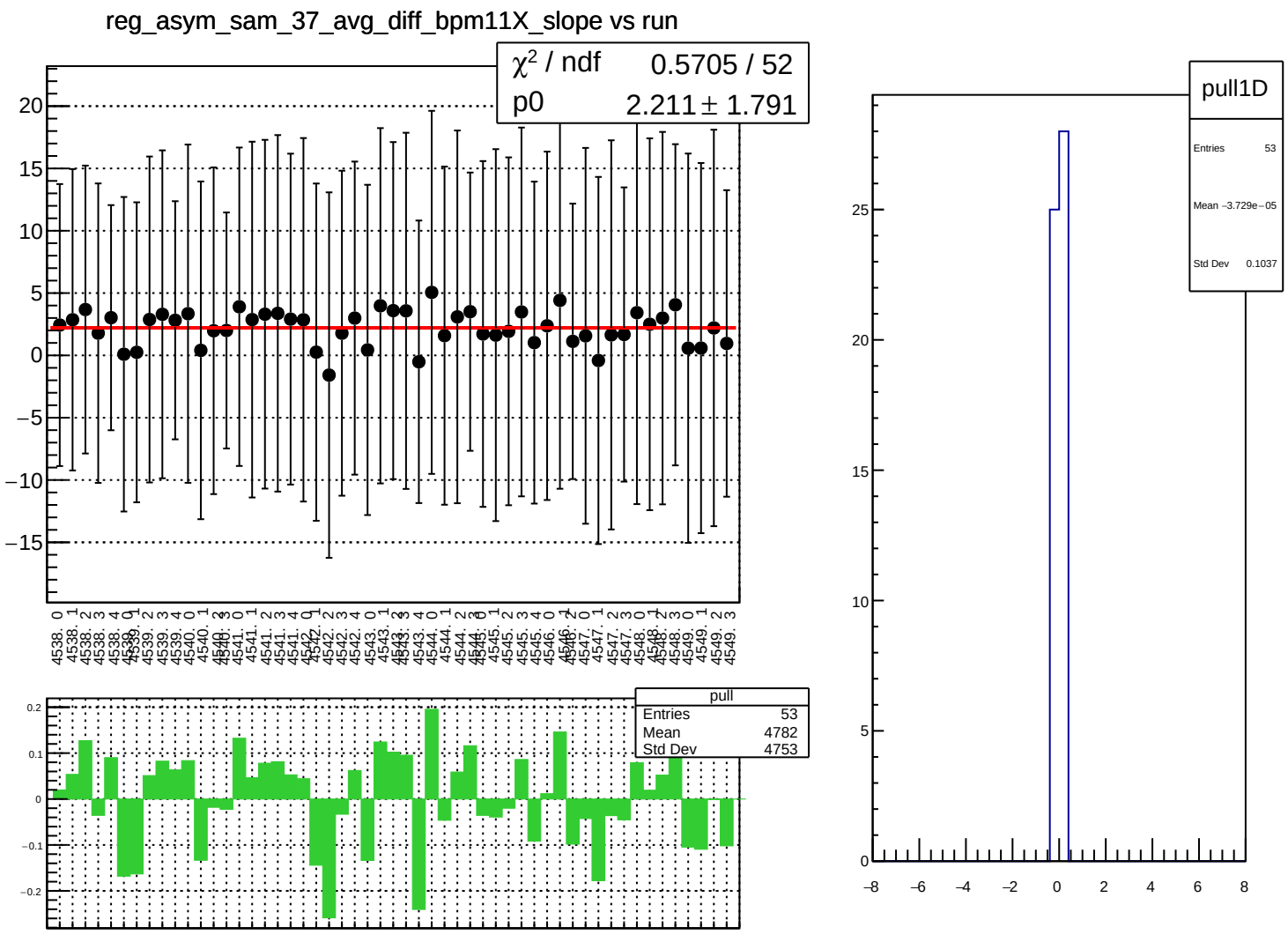

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.23 / 52
p0 59.45 ± 7.88
pull
Entries 53
Mean 62.69
Std Dev 24.95

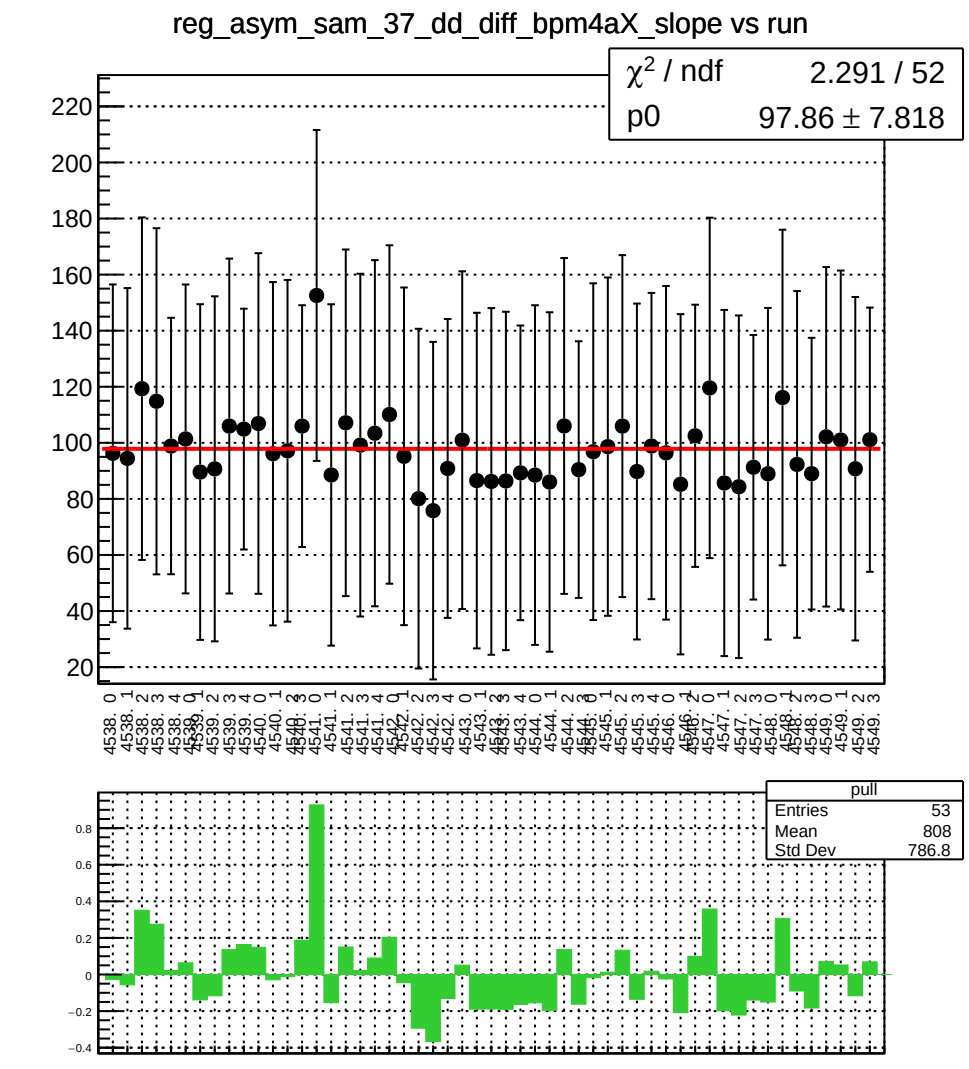

pull1D
Entries 53
Mean −0.02286
Std Dev 0.8033

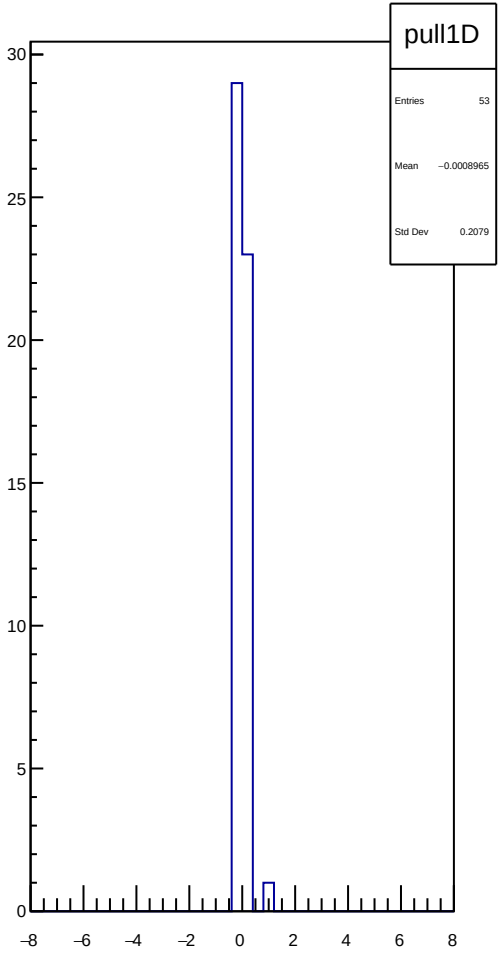

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.88 / 52
p0 −544.6 ± 0.9729
−530
−540
−550
−560
−570
pull
Entries 53
Mean −6998
Std Dev 7022
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean −0.0008097
Std Dev 0.7509
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

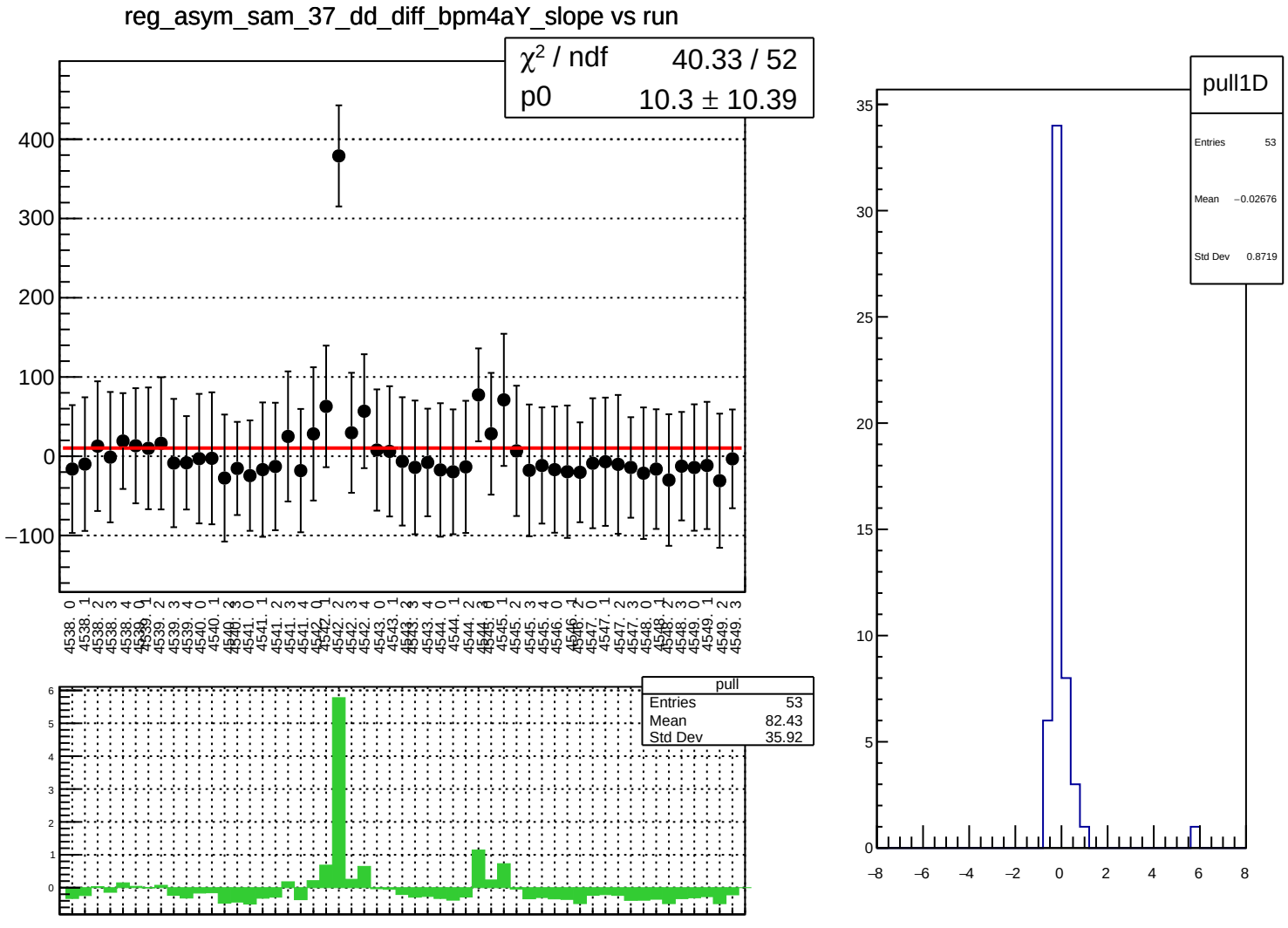

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.75 / 52
p0 −71.29 ± 10.61
pull
Entries 53
Mean 60.73
Std Dev 26.16

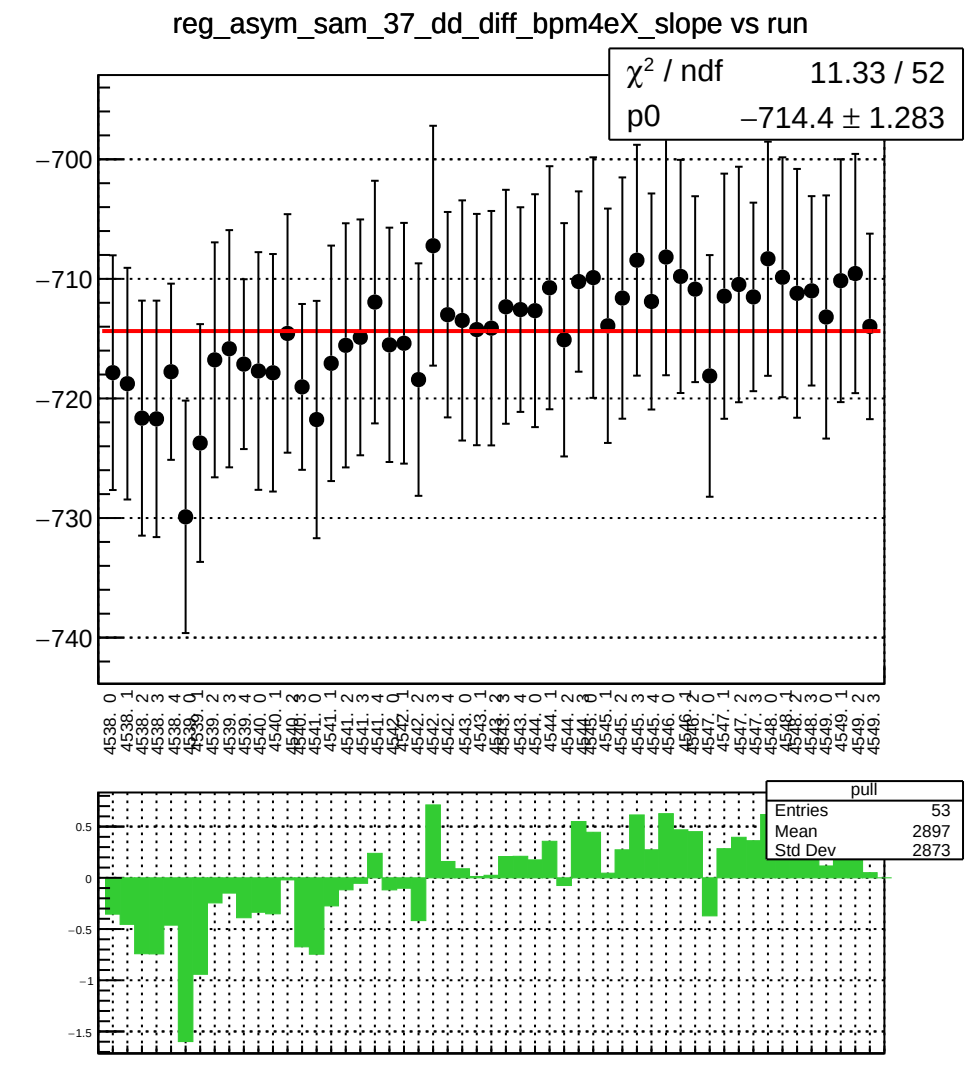

pull1D
Entries 53
Mean 0.02388
Std Dev 0.8094

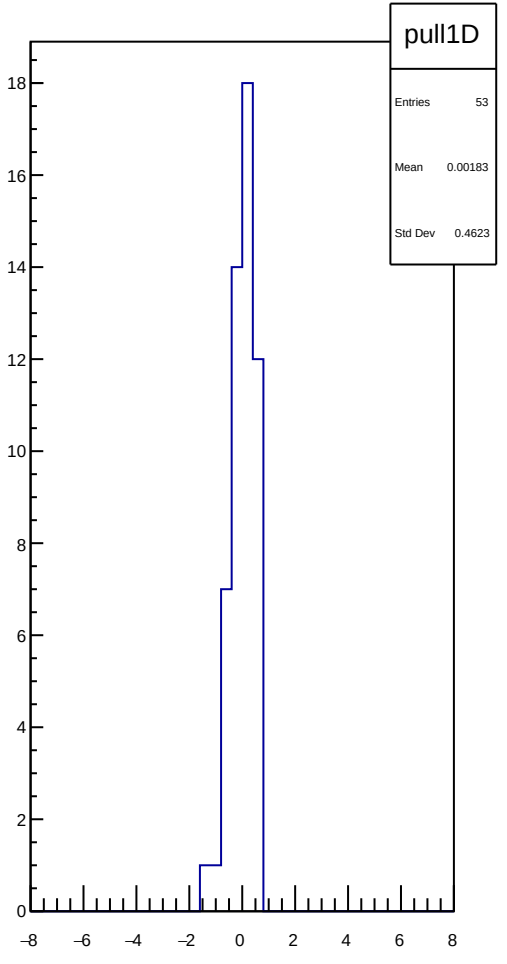

reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 0.5705 / 52
p0 2.211 ± 1.791
pull
Entries 53
Mean 4782
Std Dev 4753
pull1D
Entries 53
Mean −3.729e−05
Std Dev 0.1037

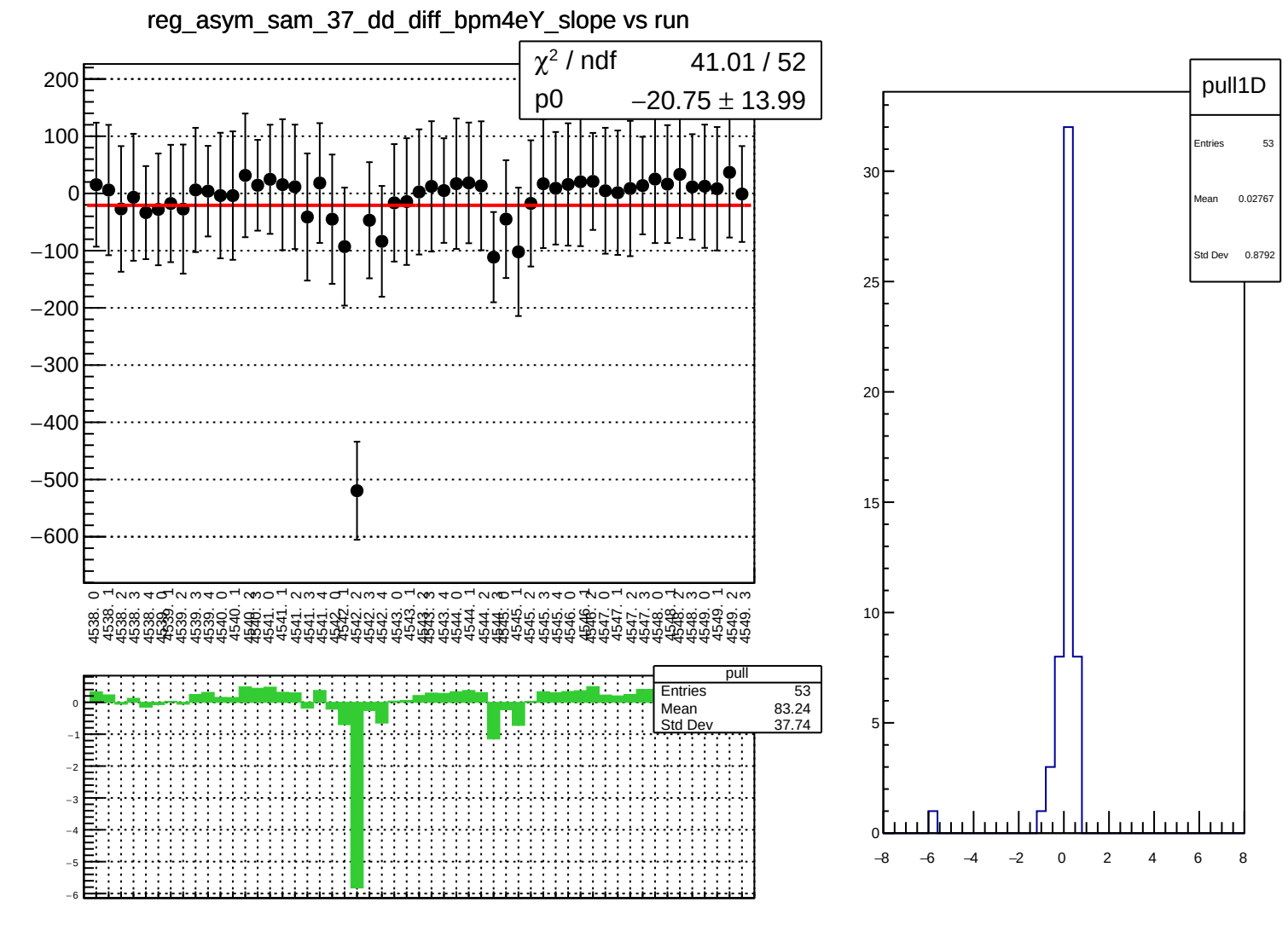

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.291 / 52
p0 97.86 ± 7.818
pull
Entries 53
Mean 808
Std Dev 786.8

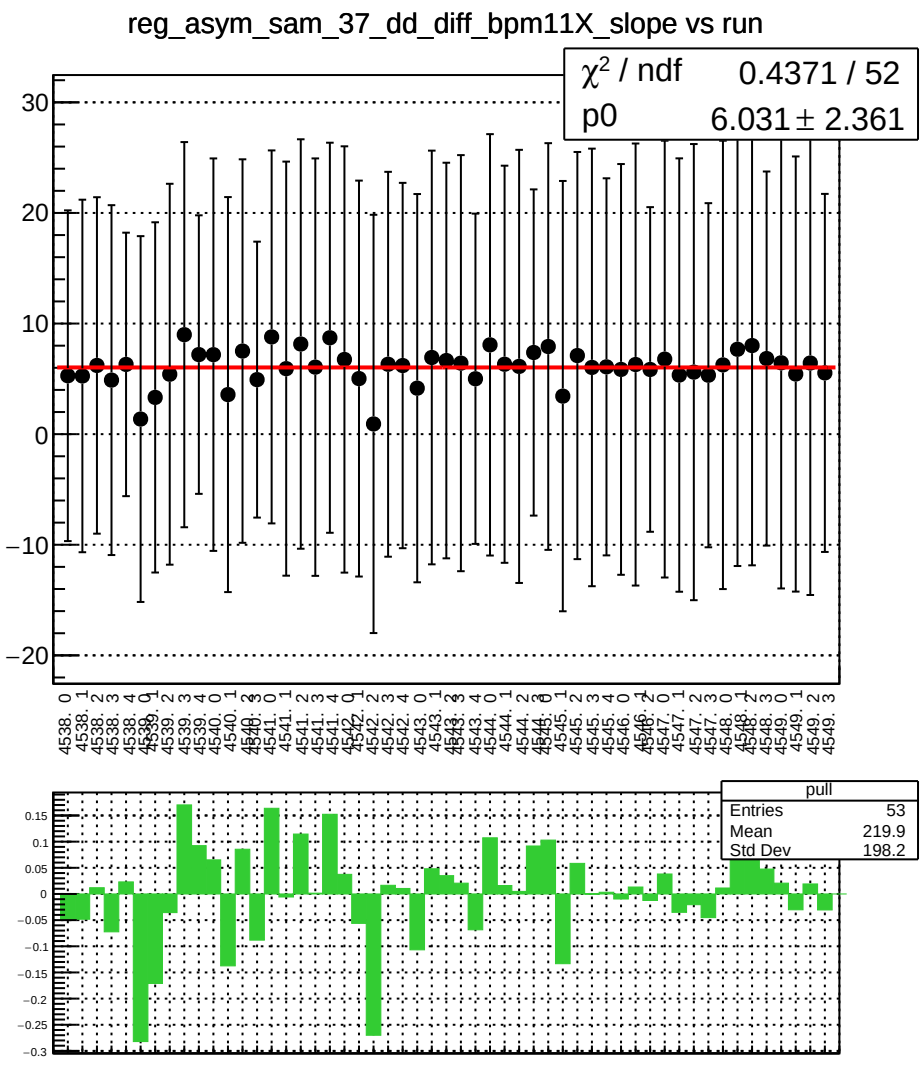

pull1D
Entries 53
Mean −0.0008965
Std Dev 0.2079

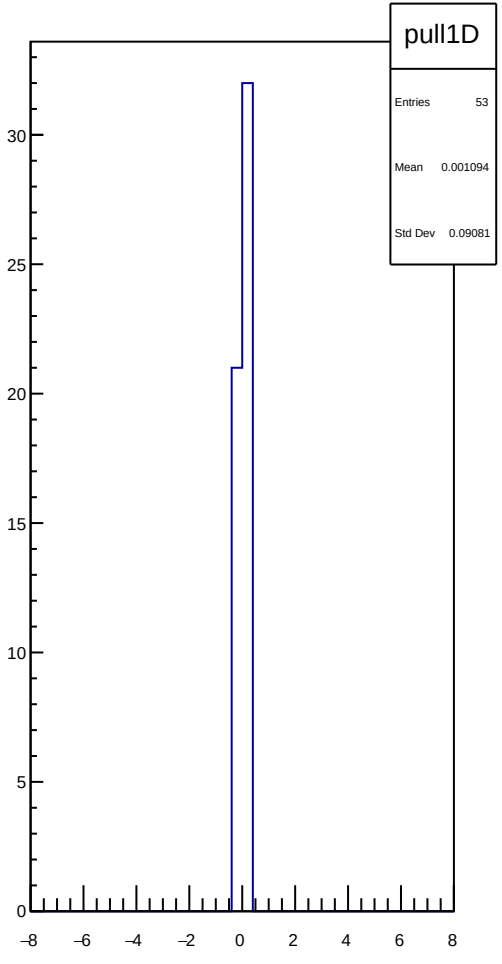

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.33 / 52
p0 10.3 ± 10.39
pull
Entries 53
Mean 82.43
Std Dev 35.92
pull1D
Entries 53
Mean −0.02676
Std Dev 0.8719

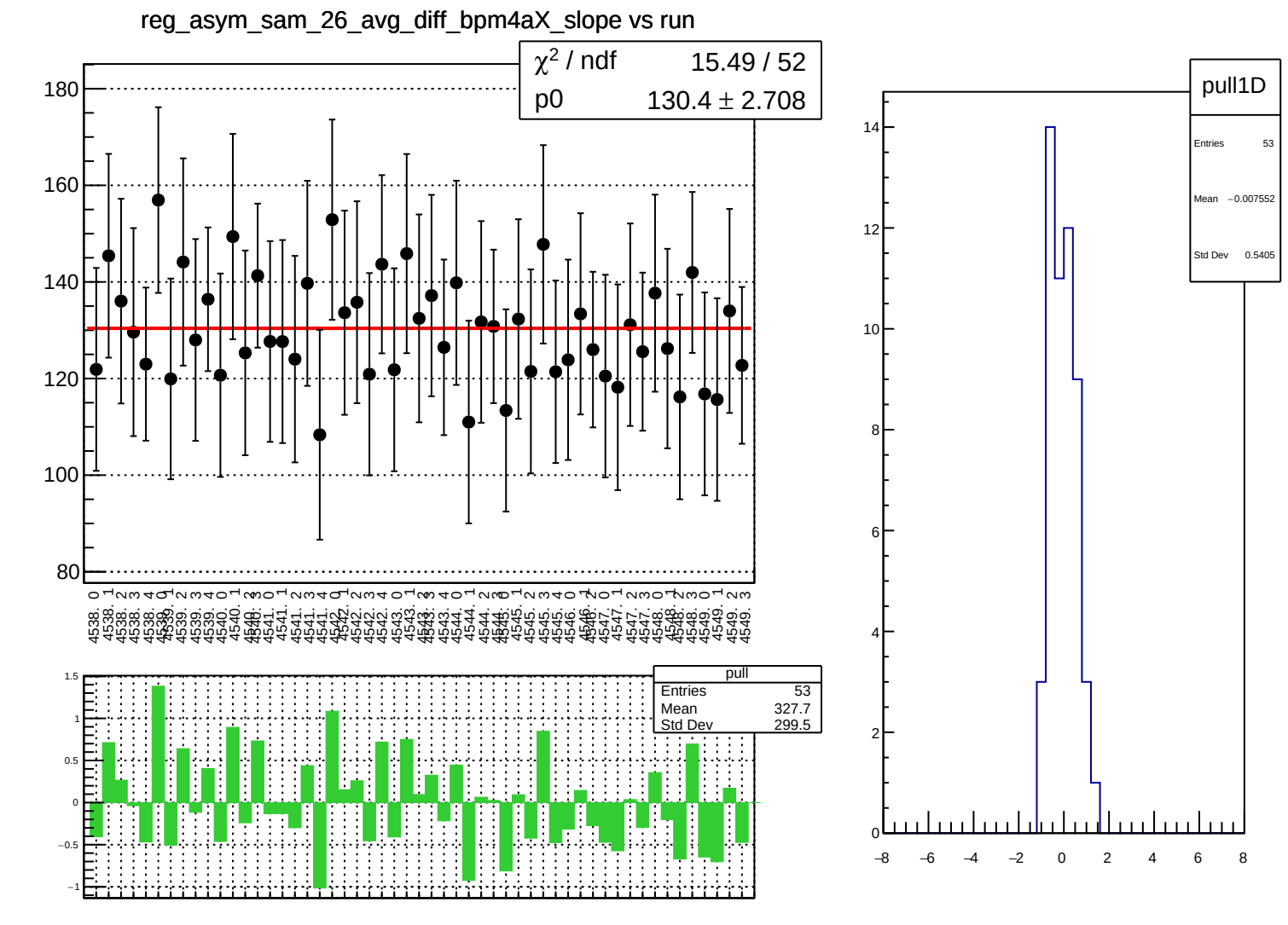

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.33 / 52
p0 −714.4 ± 1.283
−700
−710
−720
−730
−740
pull
Entries 53
Mean 2897
Std Dev 2873
0.5
0
−0.5
−1
−1.5

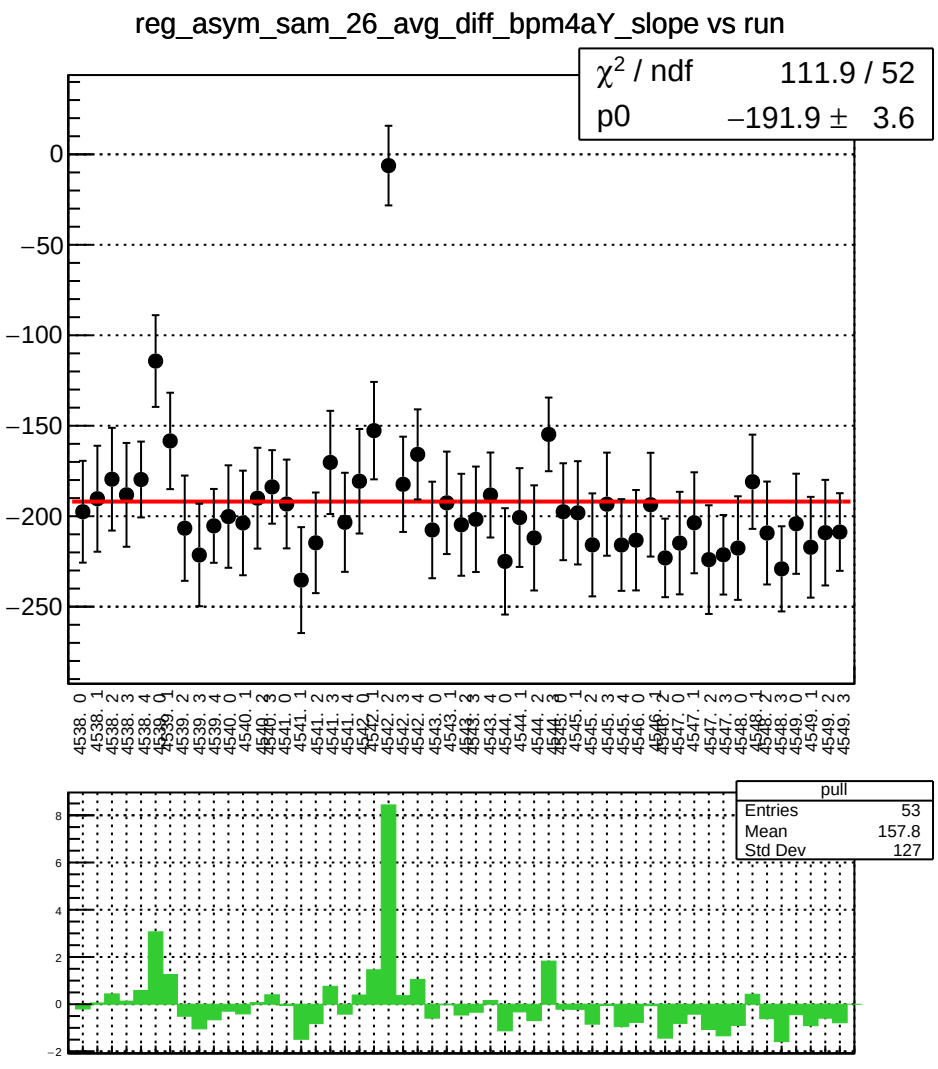

pull1D
Entries 53
Mean 0.00183
Std Dev 0.4623
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

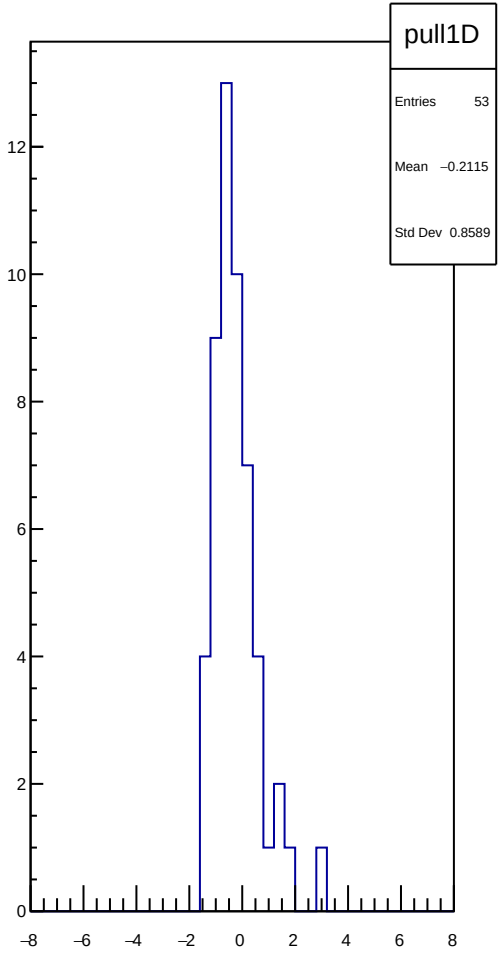

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.01 / 52
p0 −20.75 ± 13.99
pull
Entries 53
Mean 83.24
Std Dev 37.74
pull1D
Entries 53
Mean 0.02767
Std Dev 0.8792

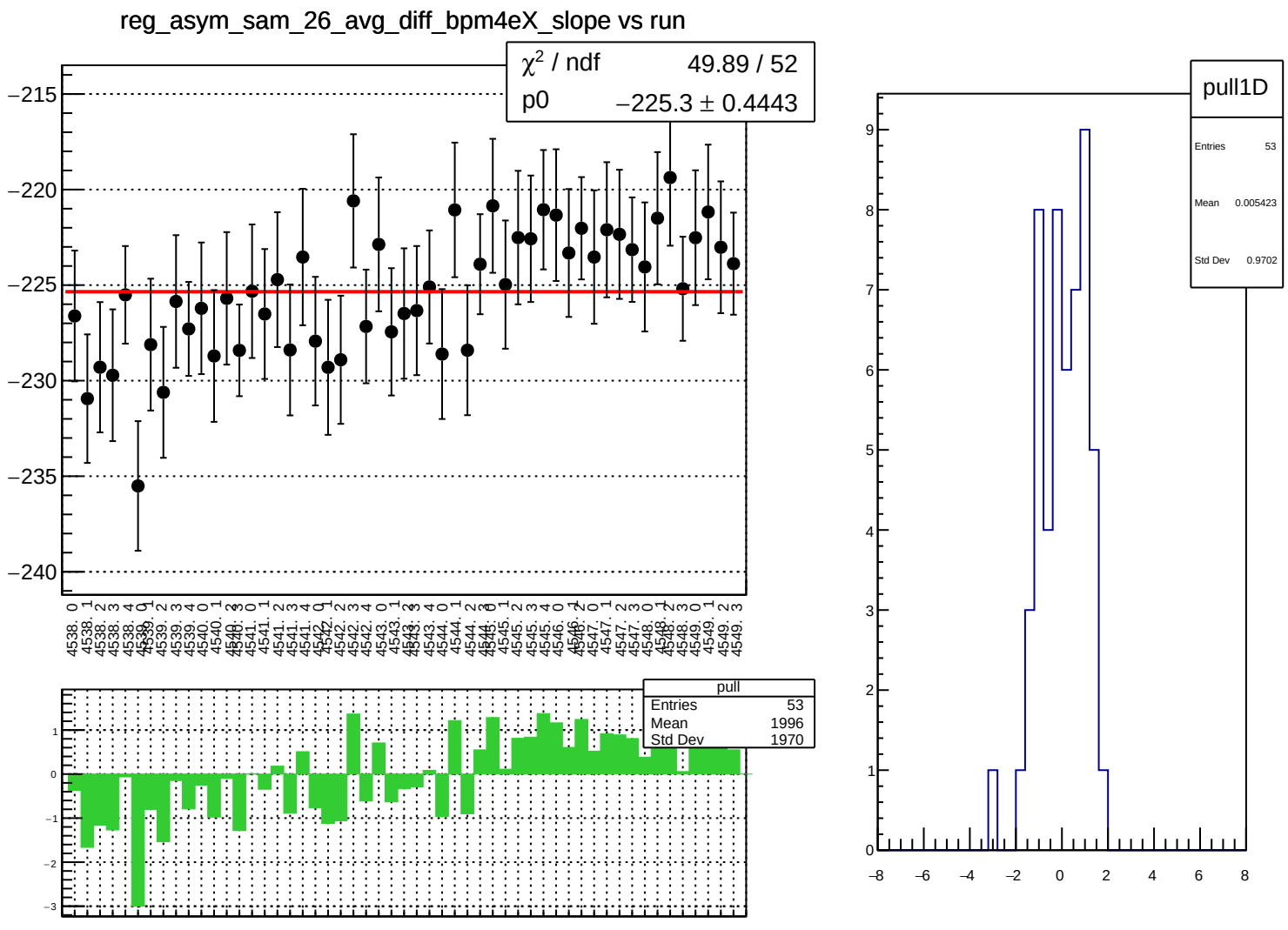

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 0.4371 / 52
p0 6.031 ± 2.361
pull
Entries 53
Mean 219.9
Std Dev 198.2

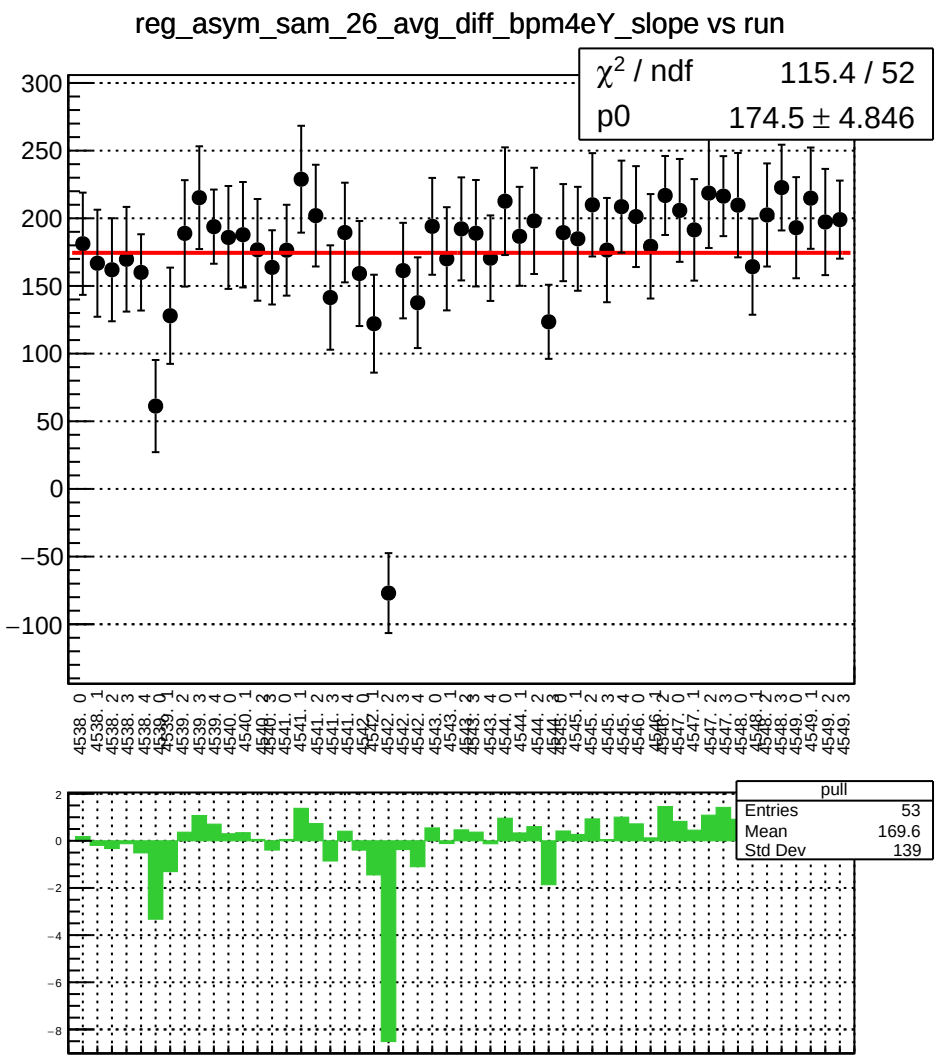

pull1D
Entries 53
Mean 0.001094
Std Dev 0.09081

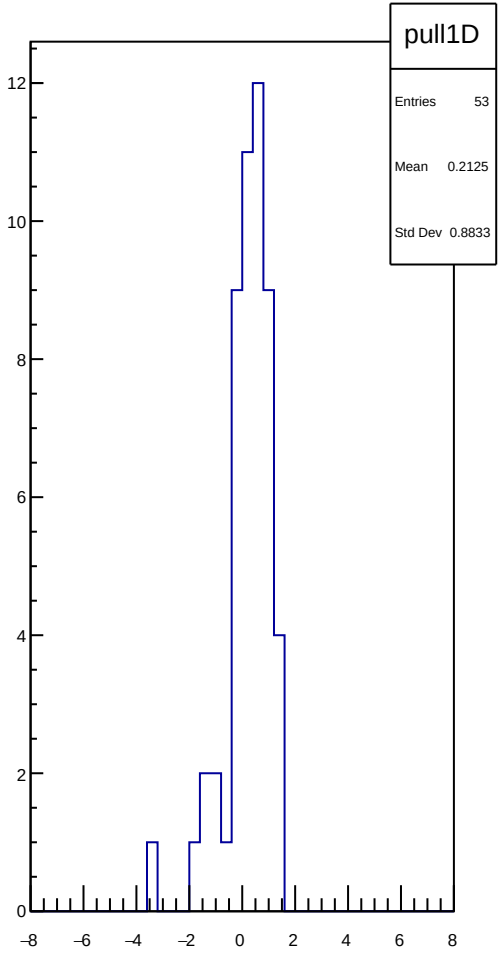

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.49 / 52
p0 130.4 ± 2.708
pull
Entries 53
Mean 327.7
Std Dev 299.5
pull1D
Entries 53
Mean −0.007552
Std Dev 0.5405

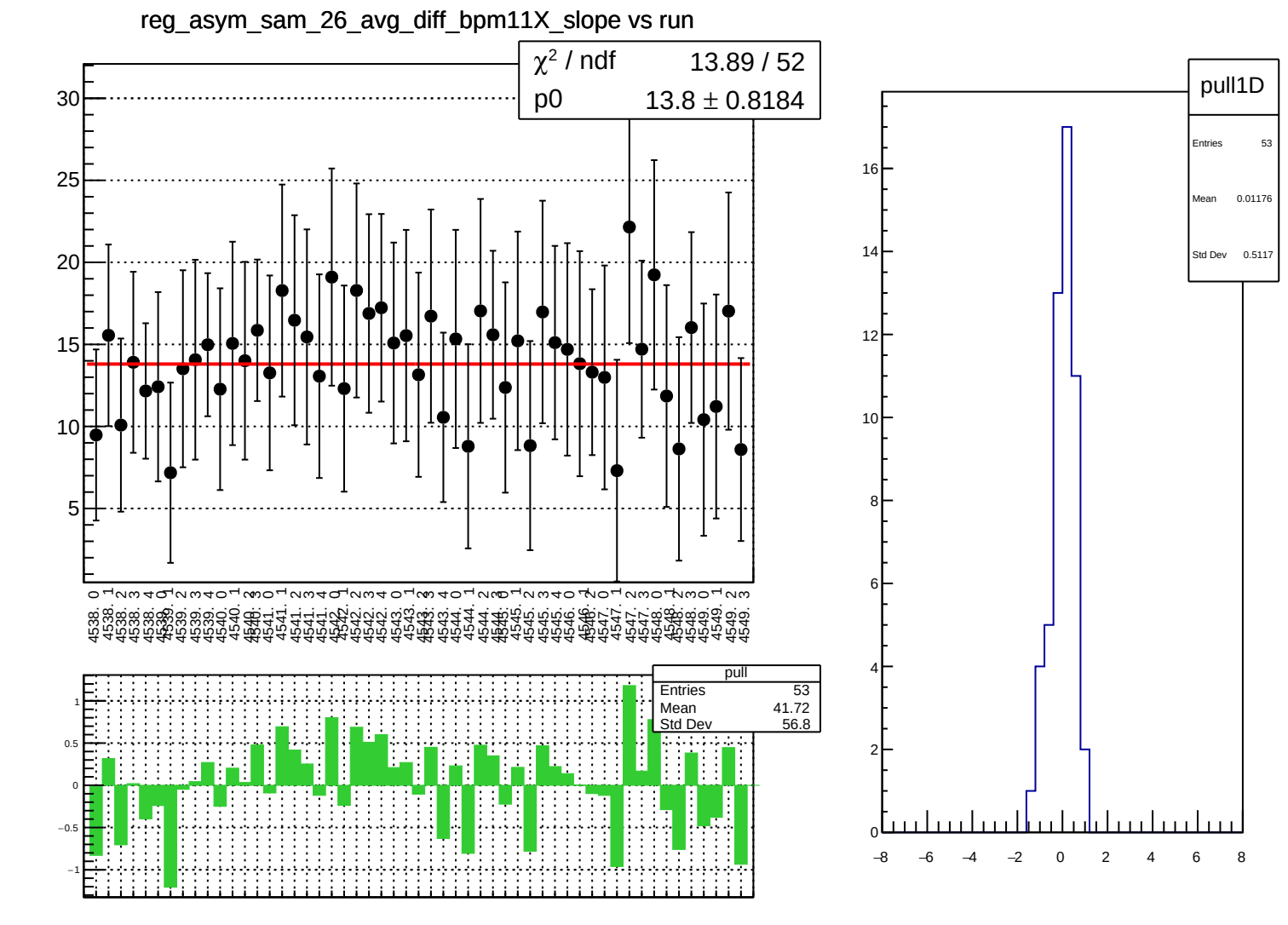

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 111.9 / 52
p0 −191.9 ± 3.6
pull
Entries 53
Mean 157.8
Std Dev 127

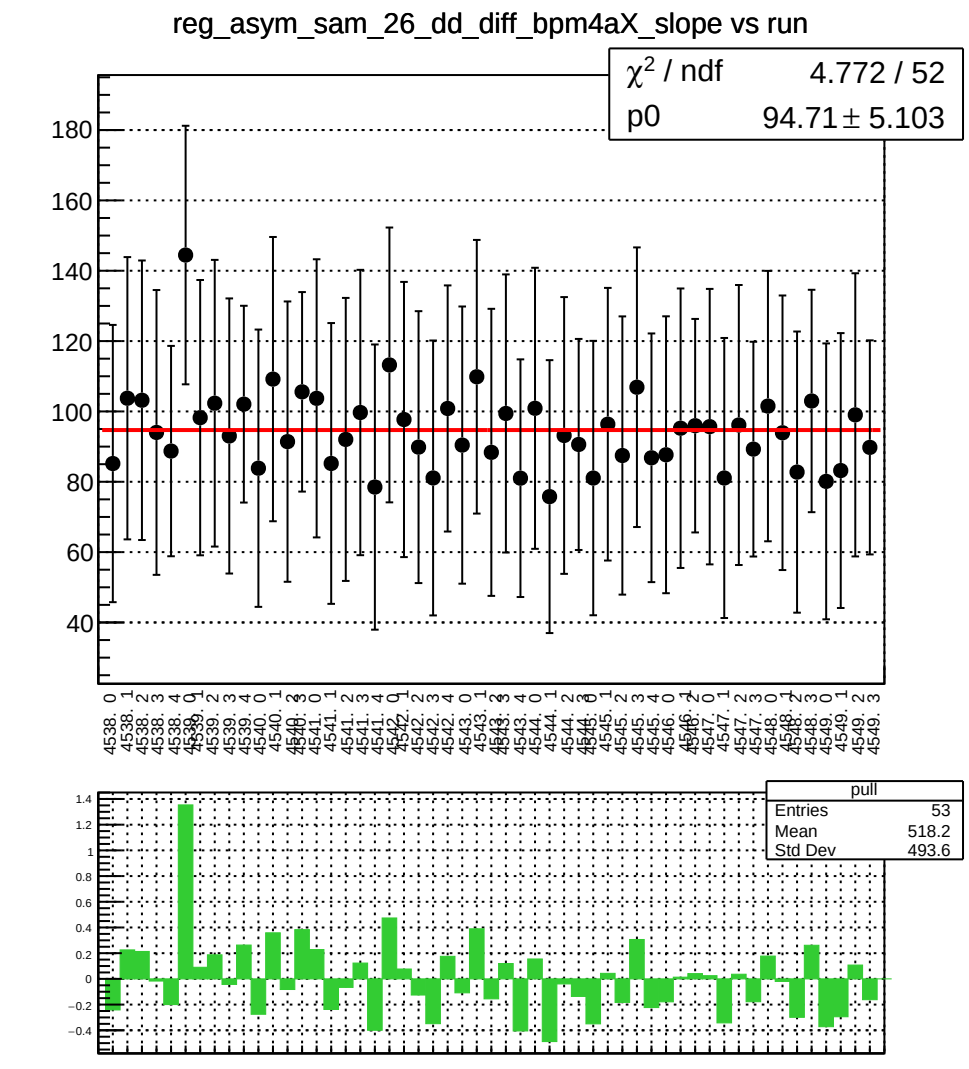

pull1D
Entries 53
Mean −0.2115
Std Dev 0.8589

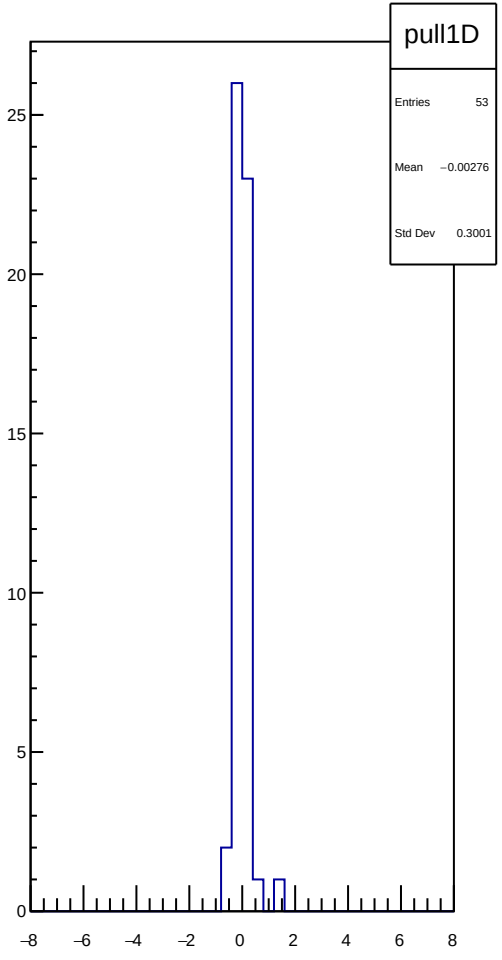

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.89 / 52
p0 −225.3 ± 0.4443
pull
Entries 53
Mean 1996
Std Dev 1970
pull1D
Entries 53
Mean 0.005423
Std Dev 0.9702

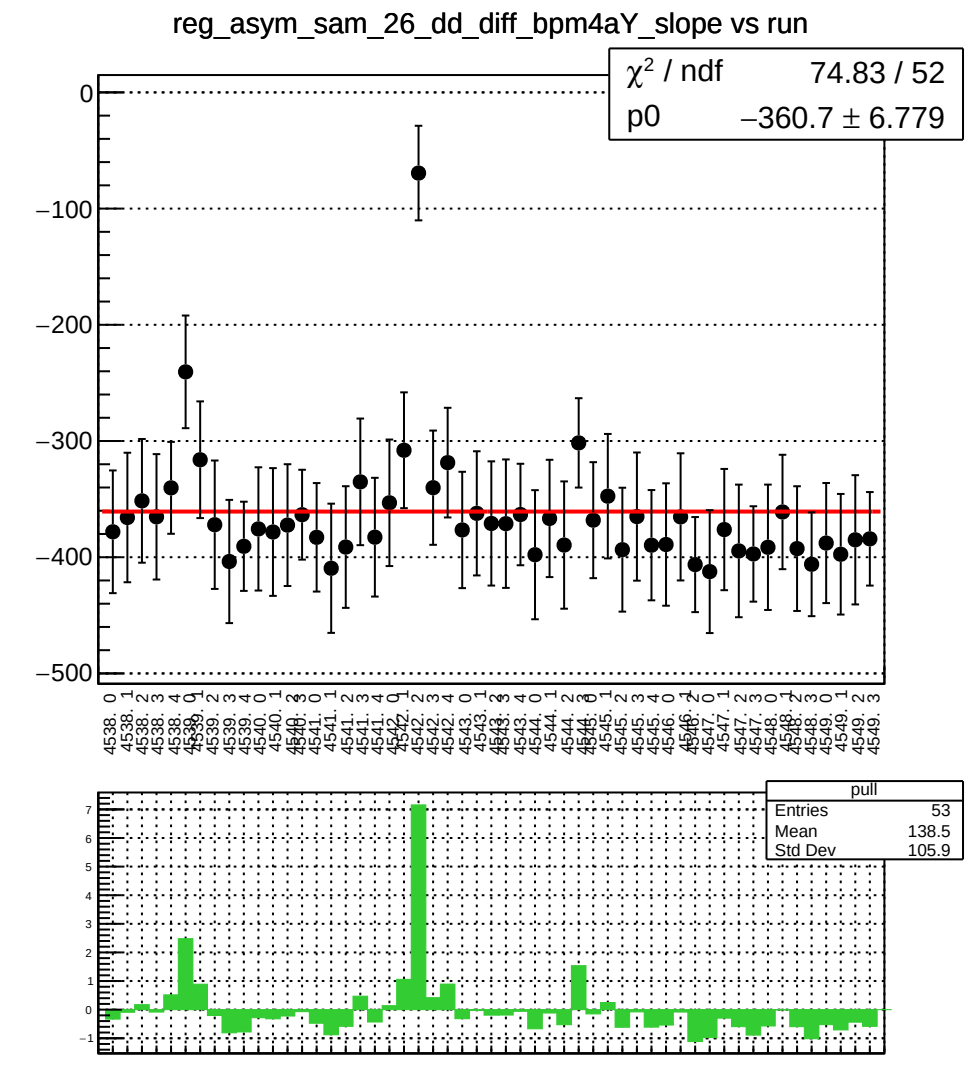

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 115.4 / 52
p0 174.5 ± 4.846
pull
Entries 53
Mean 169.6
Std Dev 139

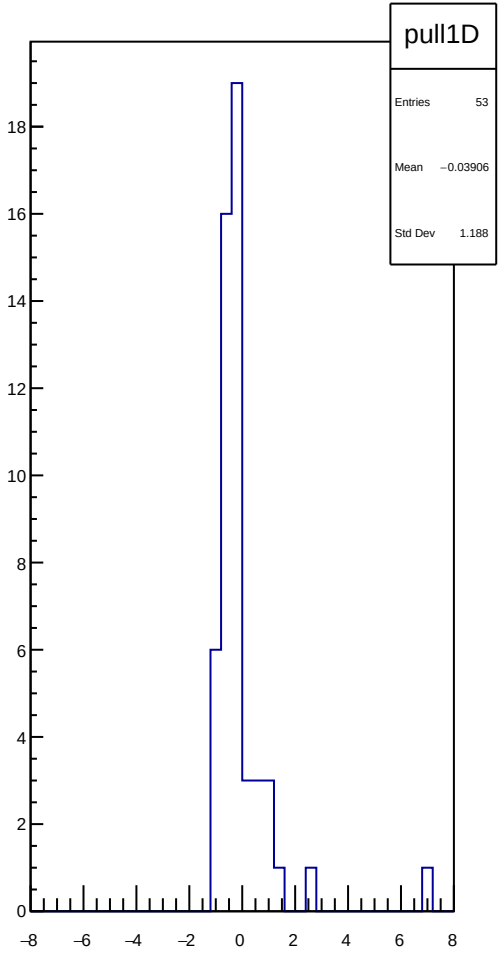

pull1D
Entries 53
Mean 0.2125
Std Dev 0.8833

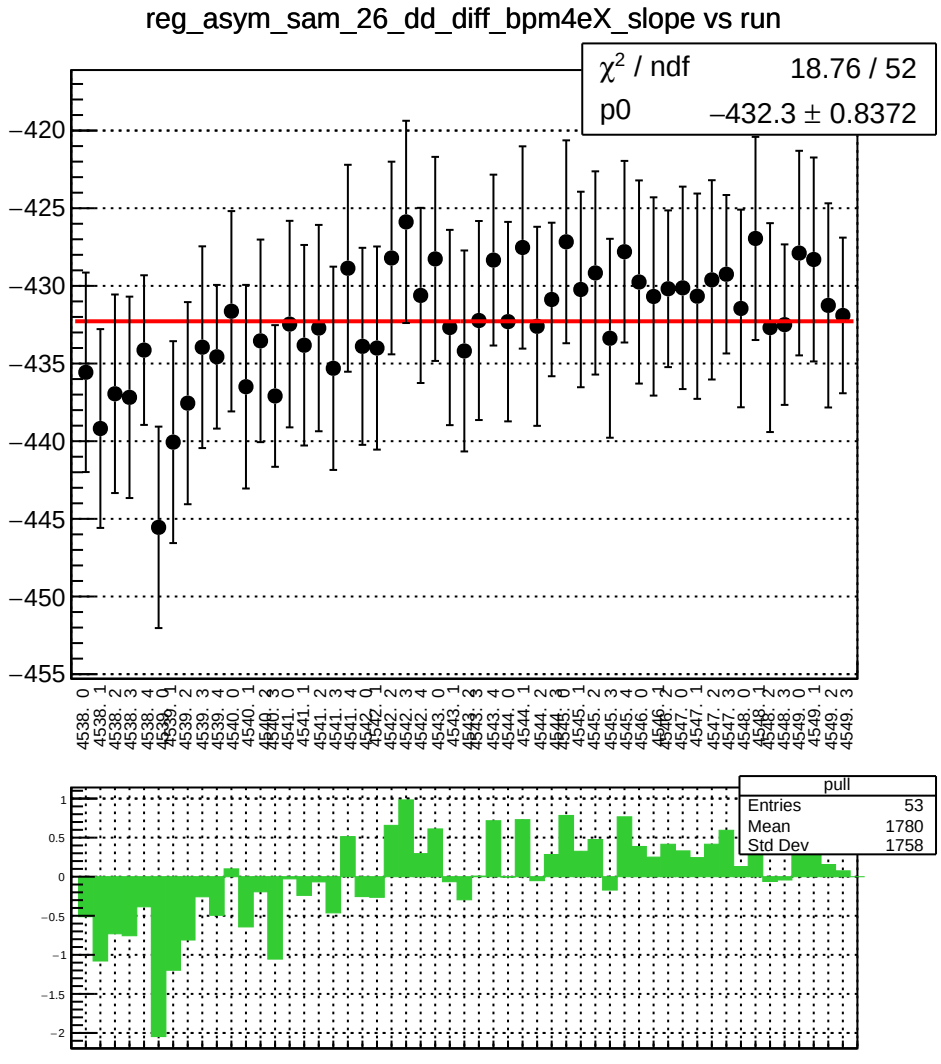

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 13.89 / 52
p0 13.8 ± 0.8184
pull
Entries 53
Mean 41.72
Std Dev 56.8
pull1D
Entries 53
Mean 0.01176
Std Dev 0.5117

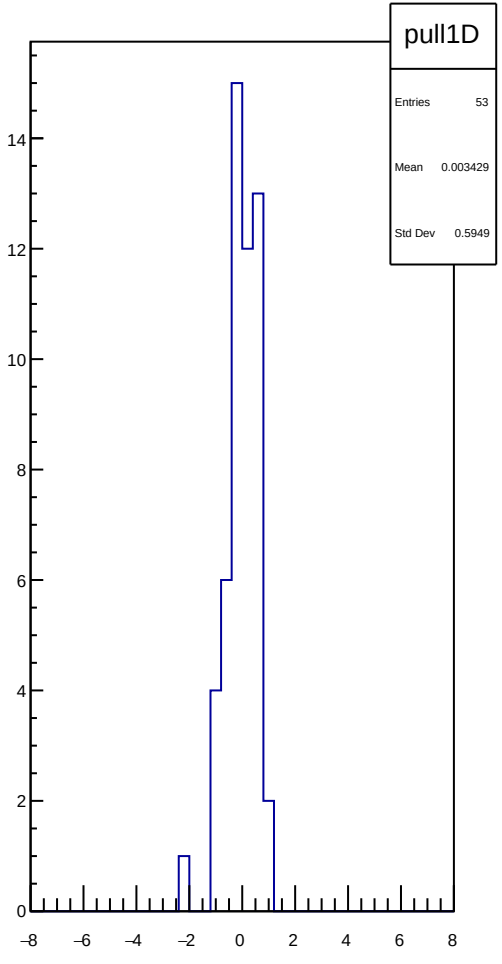

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.772 / 52
p0 94.71 ± 5.103
pull
Entries 53
Mean 518.2
Std Dev 493.6

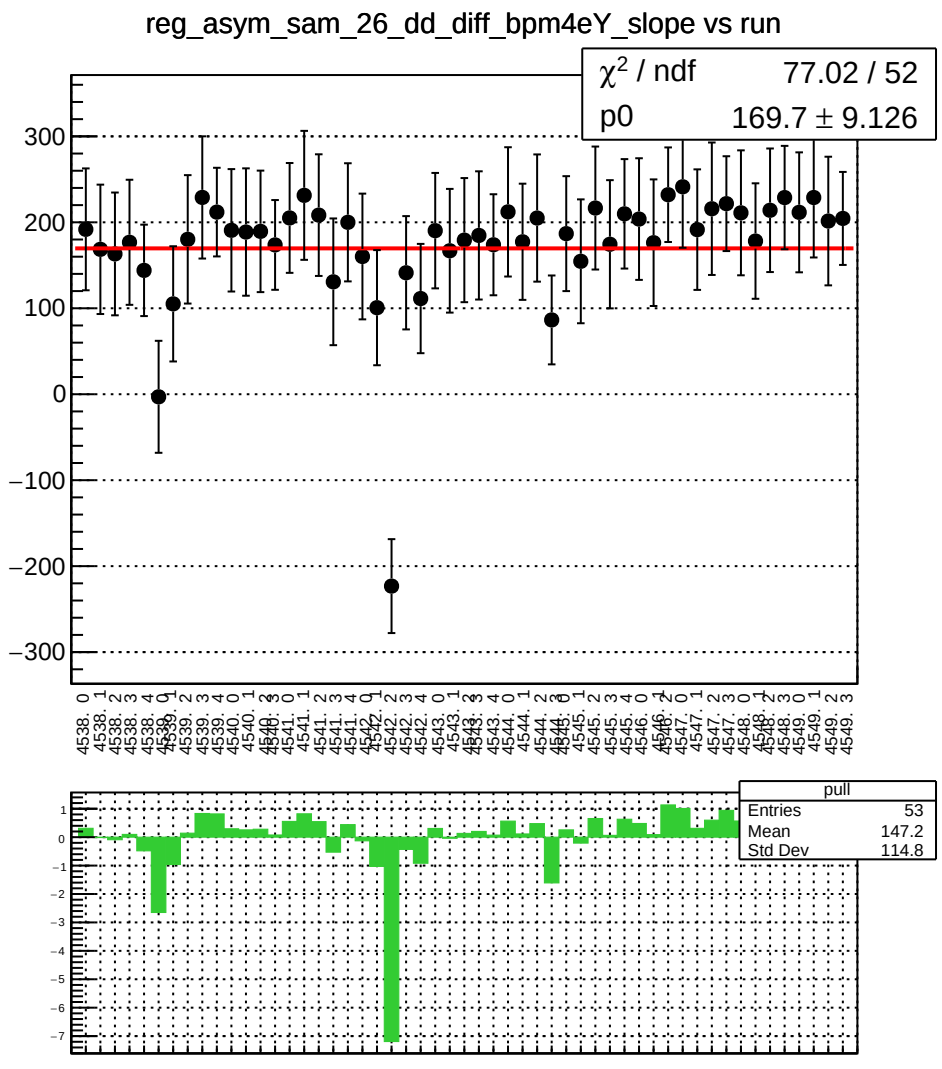

pull1D
Entries 53
Mean −0.00276
Std Dev 0.3001

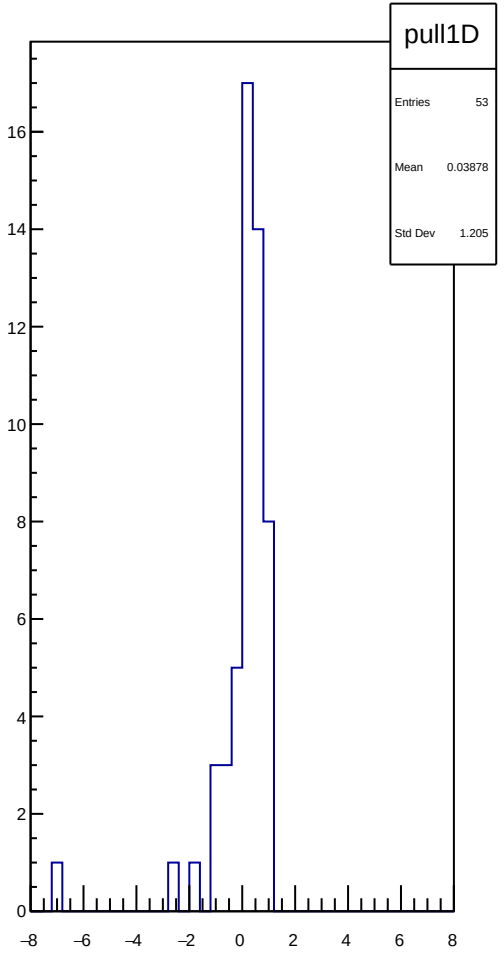

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.83 / 52
p0 −360.7 ± 6.779
pull
Entries 53
Mean 138.5
Std Dev 105.9

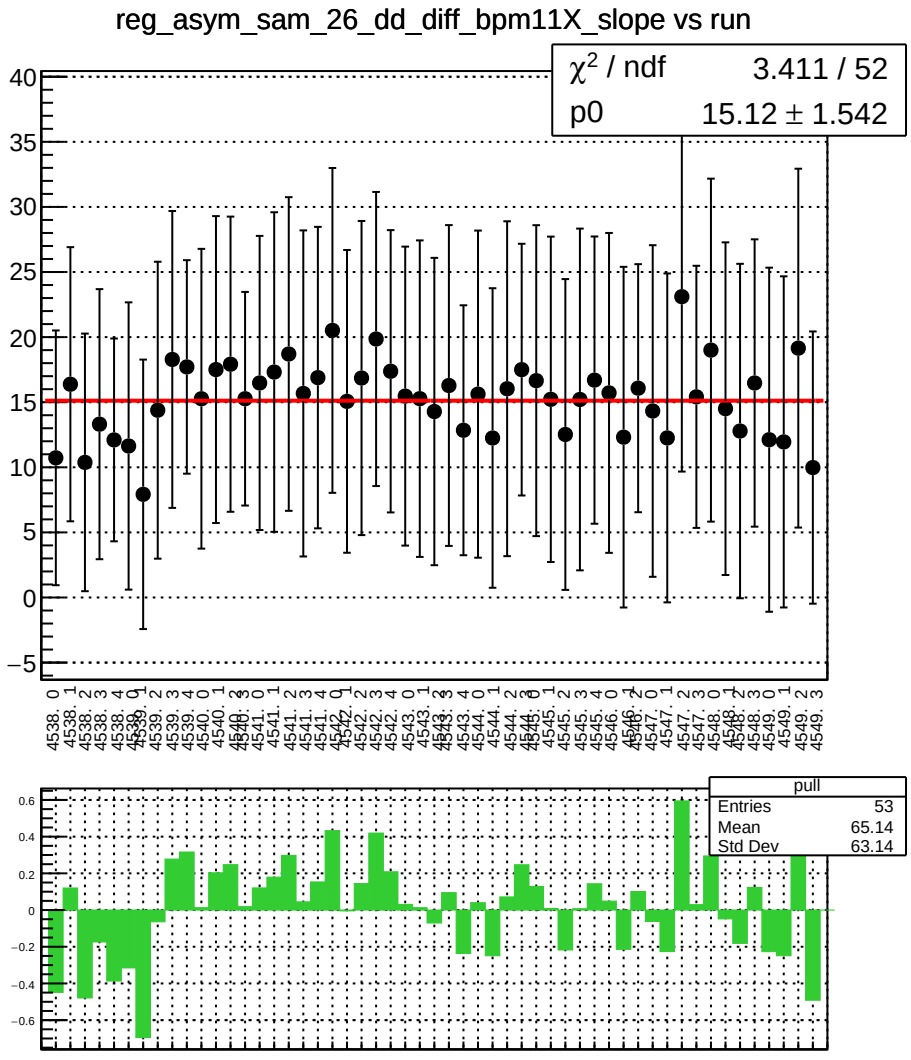

pull1D
Entries 53
Mean −0.03906
Std Dev 1.188

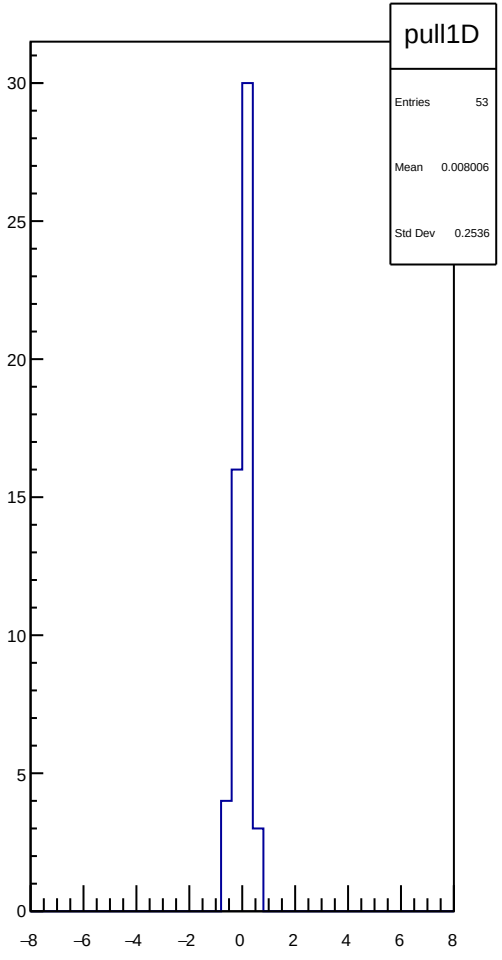

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.76 / 52
p0 −432.3 ± 0.8372
pull
Entries 53
Mean 1780
Std Dev 1758

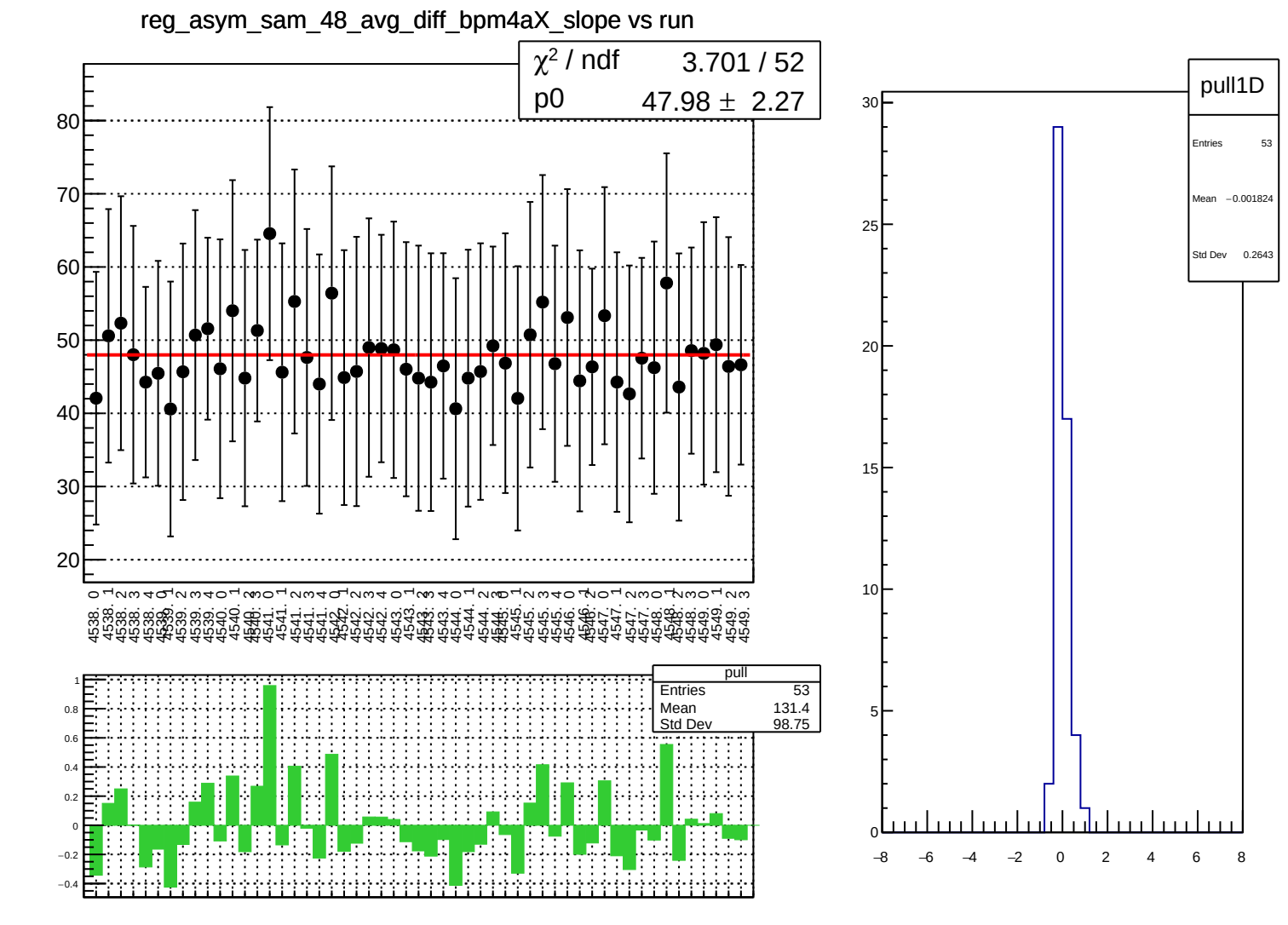

pull1D
Entries 53
Mean 0.003429
Std Dev 0.5949

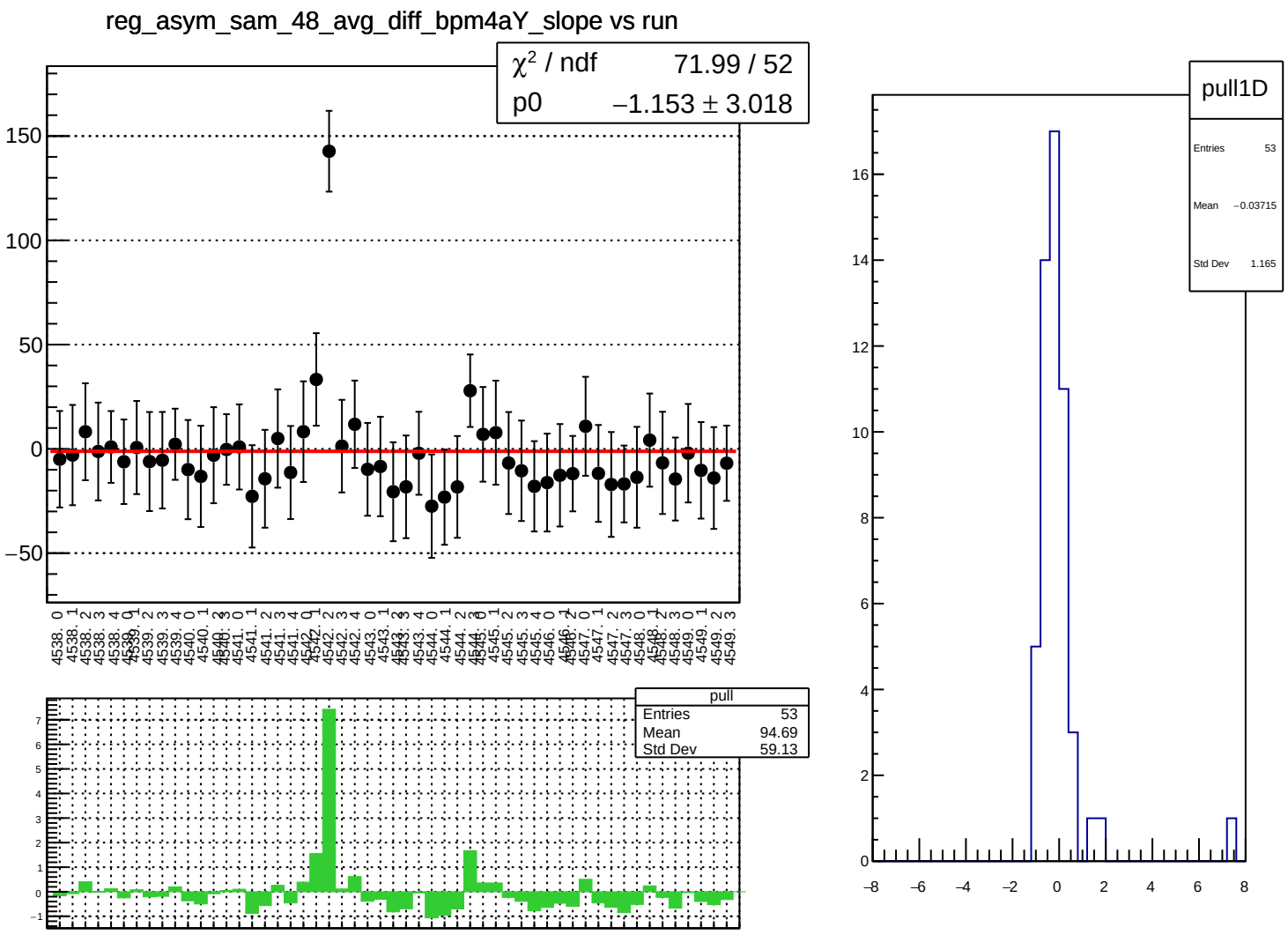

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.02 / 52
p0 169.7 ± 9.126
pull
Entries 53
Mean 147.2
Std Dev 114.8

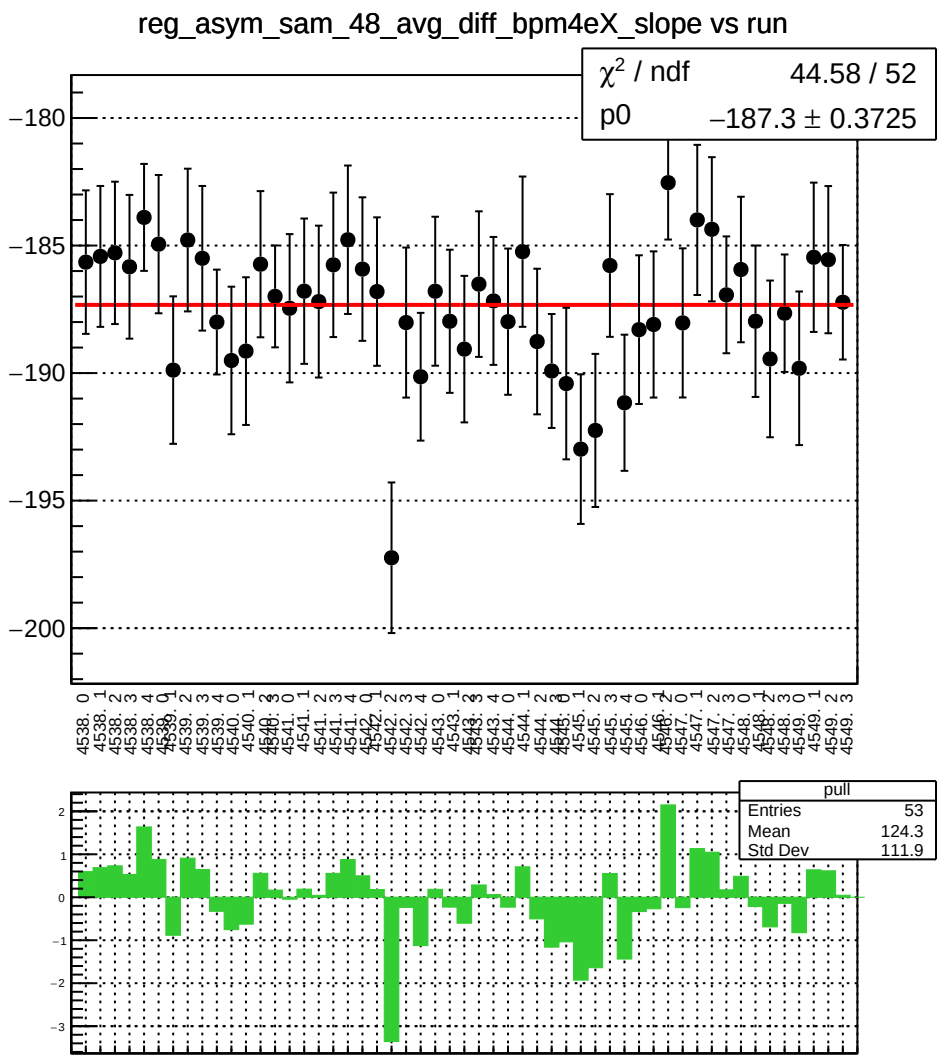

pull1D
Entries 53
Mean 0.03878
Std Dev 1.205

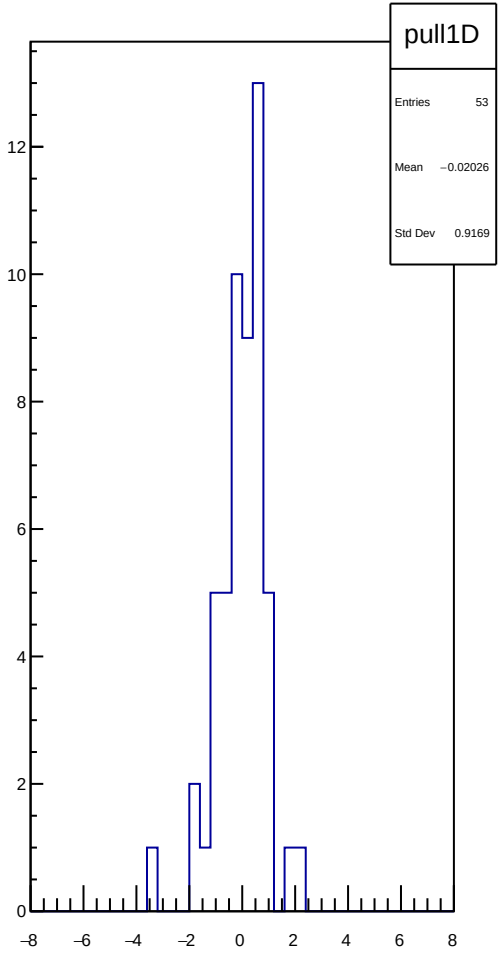

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 3.411 / 52
p0 15.12 ± 1.542
pull
Entries 53
Mean 65.14
Std Dev 63.14

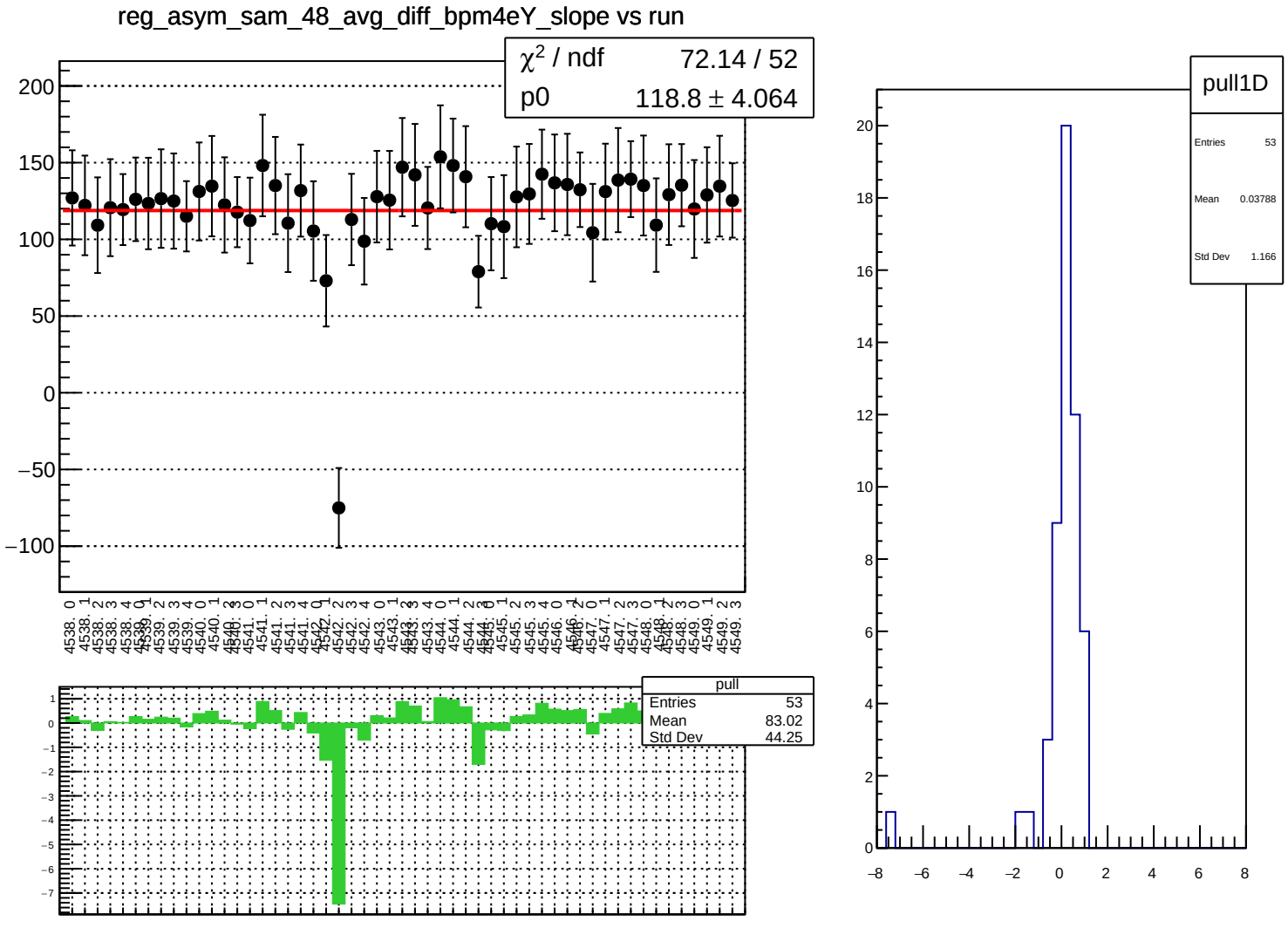

pull1D
Entries 53
Mean 0.008006
Std Dev 0.2536

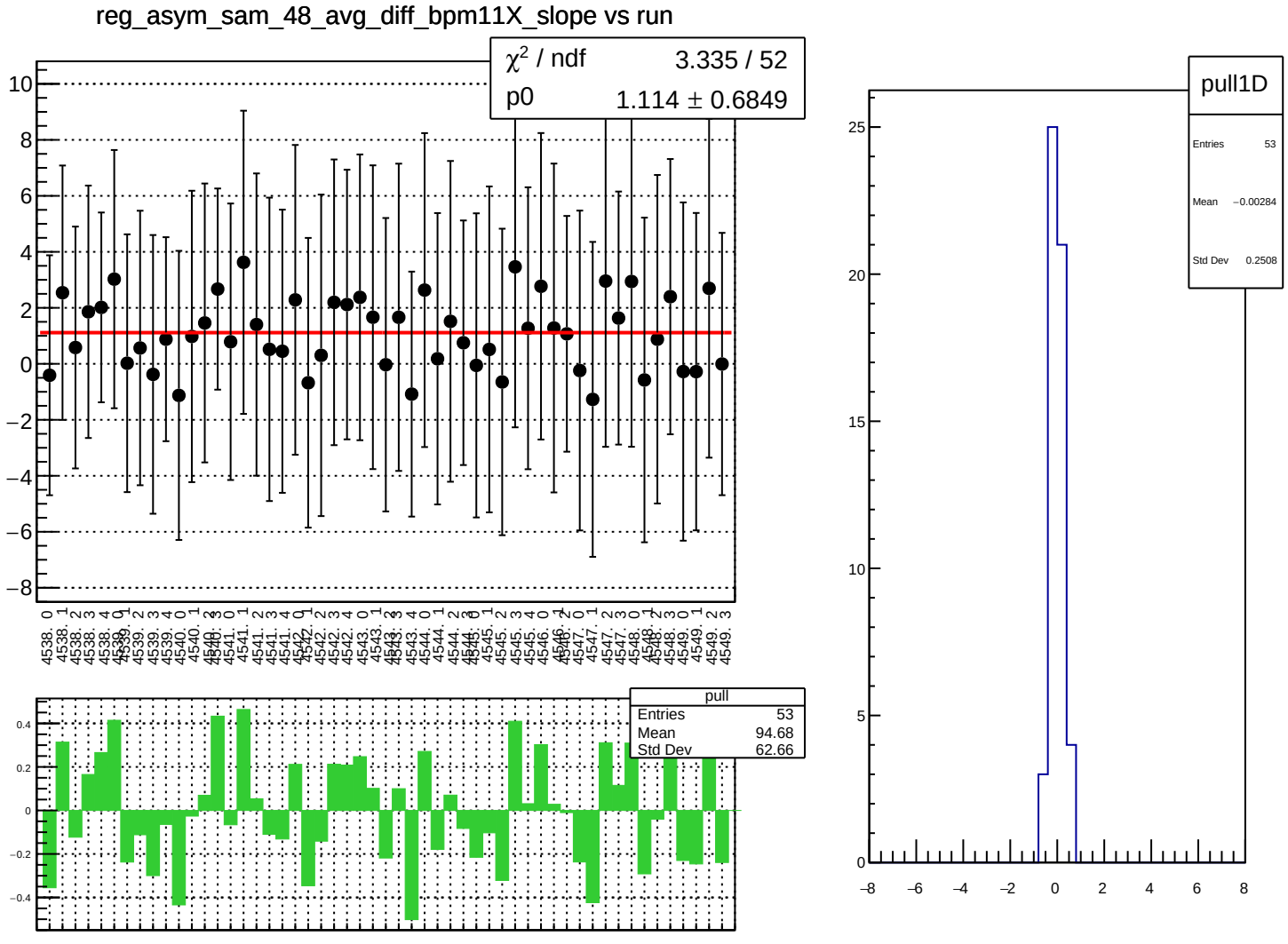

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.701 / 52
p0 47.98 ± 2.27
pull
Entries 53
Mean 131.4
Std Dev 98.75
pull1D
Entries 53
Mean −0.001824
Std Dev 0.2643

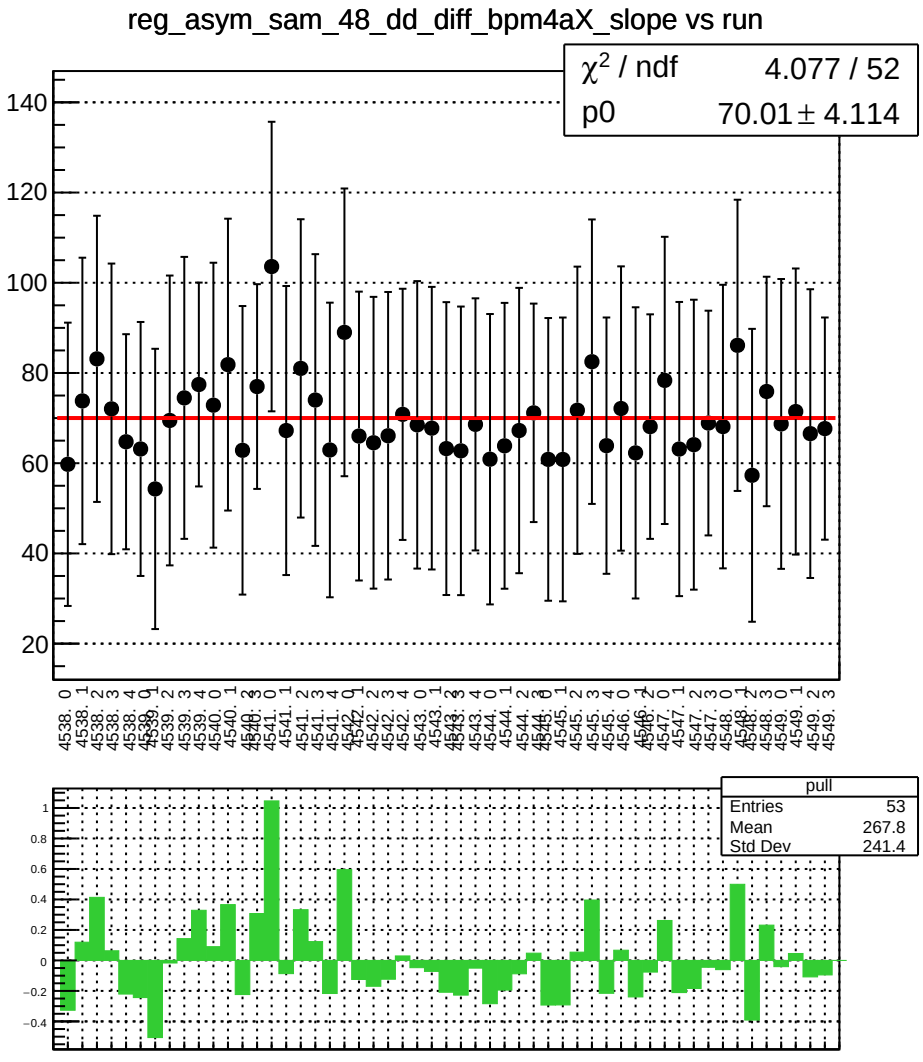

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 71.99 / 52
p0 −1.153 ± 3.018
150
100
50
0
−50
pull
Entries 53
Mean 94.69
Std Dev 59.13
pull1D
Entries 53
Mean −0.03715
Std Dev 1.165

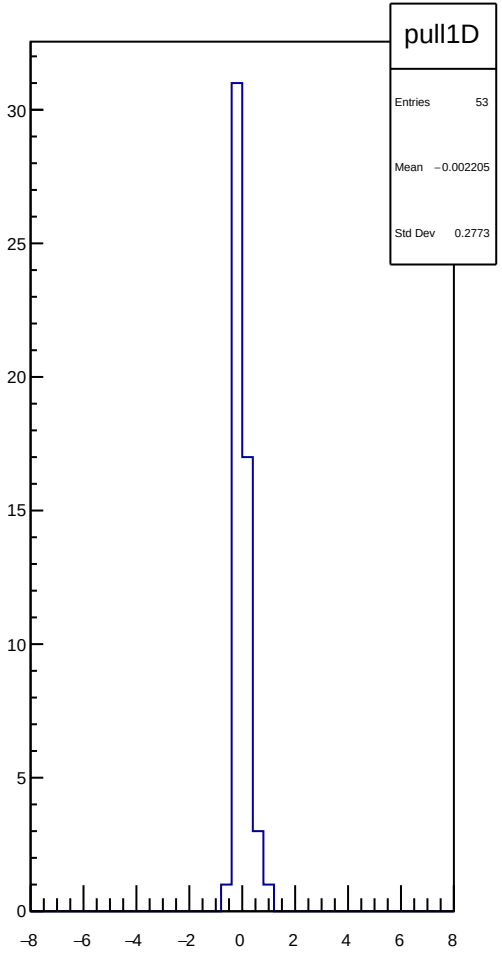

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.58 / 52
p0 −187.3 ± 0.3725
pull
Entries 53
Mean 124.3
Std Dev 111.9

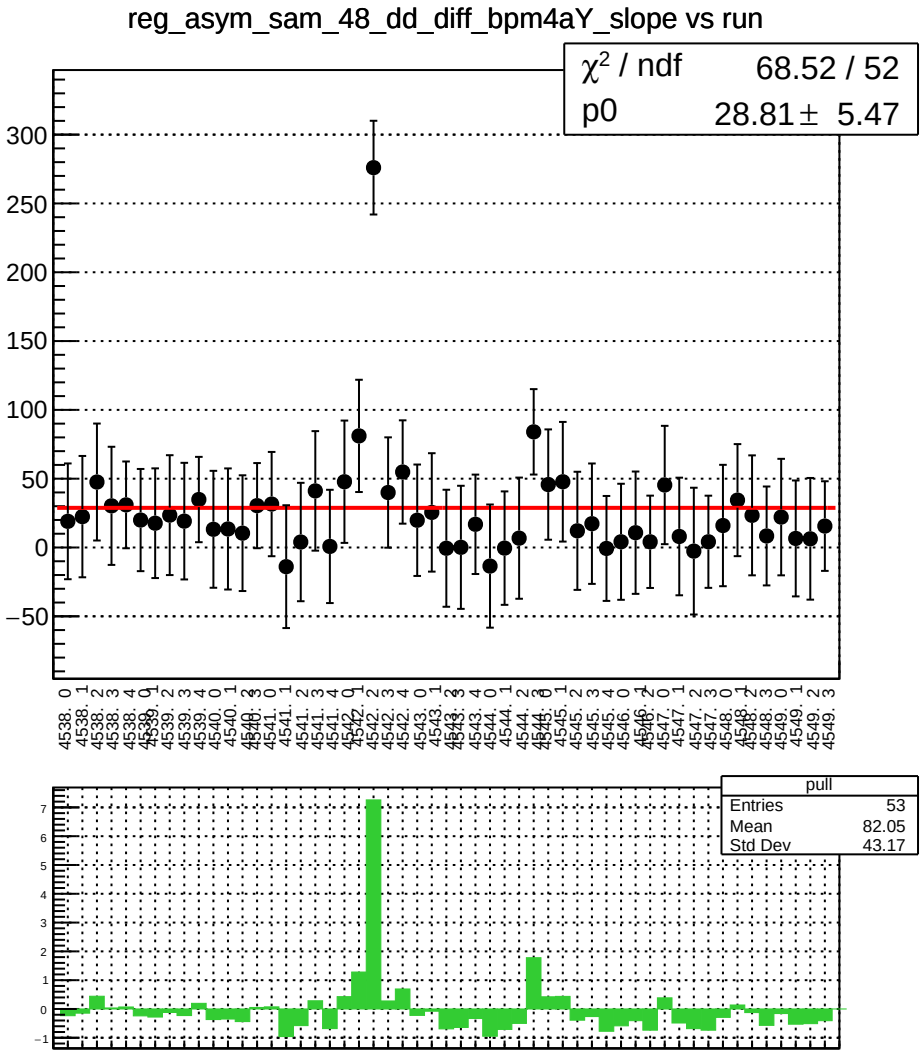

pull1D
Entries 53
Mean −0.02026
Std Dev 0.9169

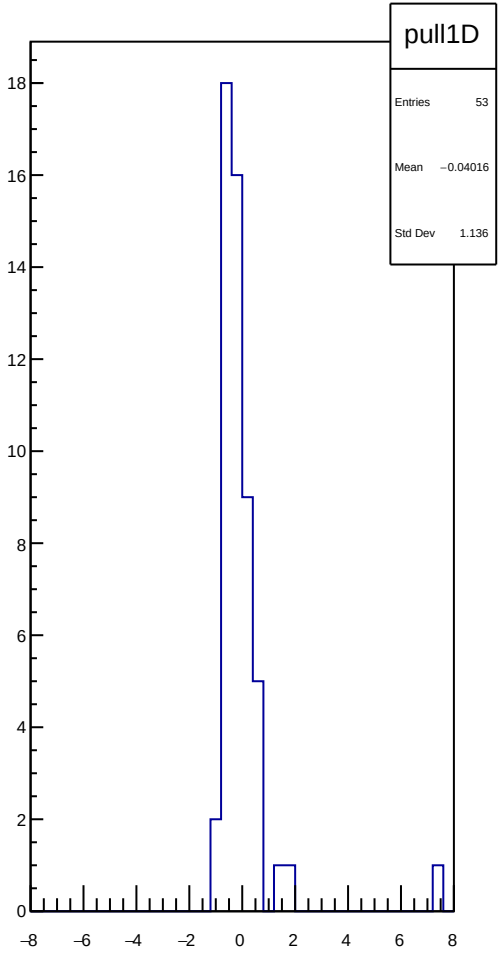

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 72.14 / 52
p0 118.8 ± 4.064
pull
Entries 53
Mean 83.02
Std Dev 44.25
pull1D
Entries 53
Mean 0.03788
Std Dev 1.166

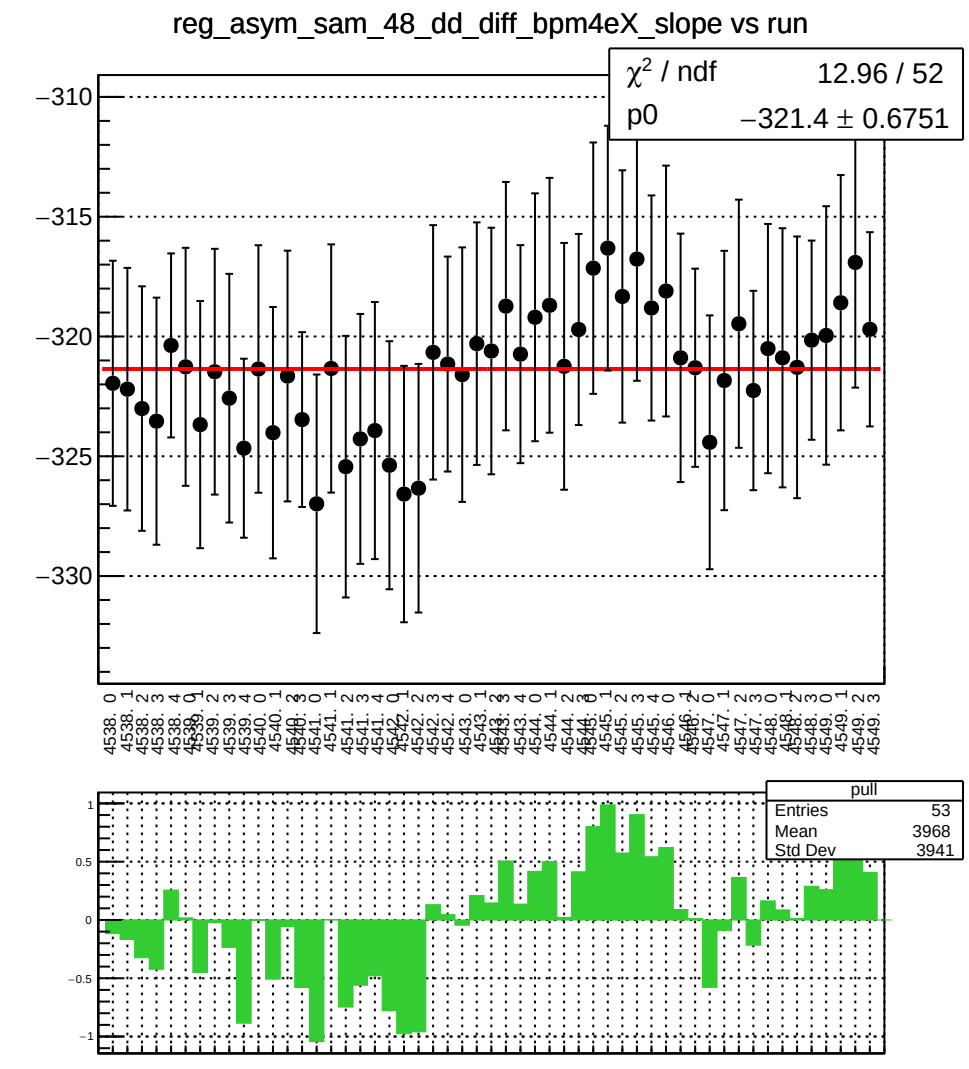

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 3.335 / 52
p0 1.114 ± 0.6849
pull
Entries 53
Mean 94.68
Std Dev 62.66
pull1D
Entries 53
Mean −0.00284
Std Dev 0.2508

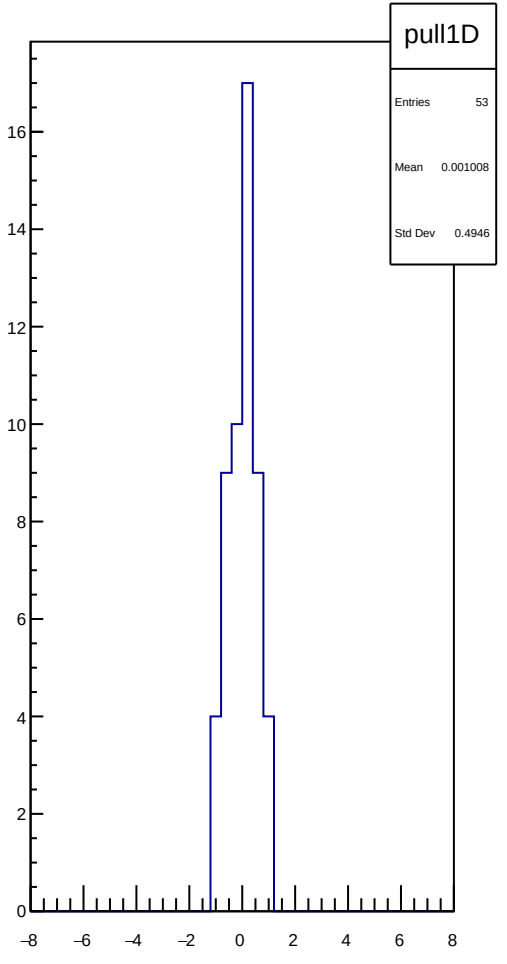

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.077 / 52
p0 70.01 ± 4.114
pull
Entries 53
Mean 267.8
Std Dev 241.4

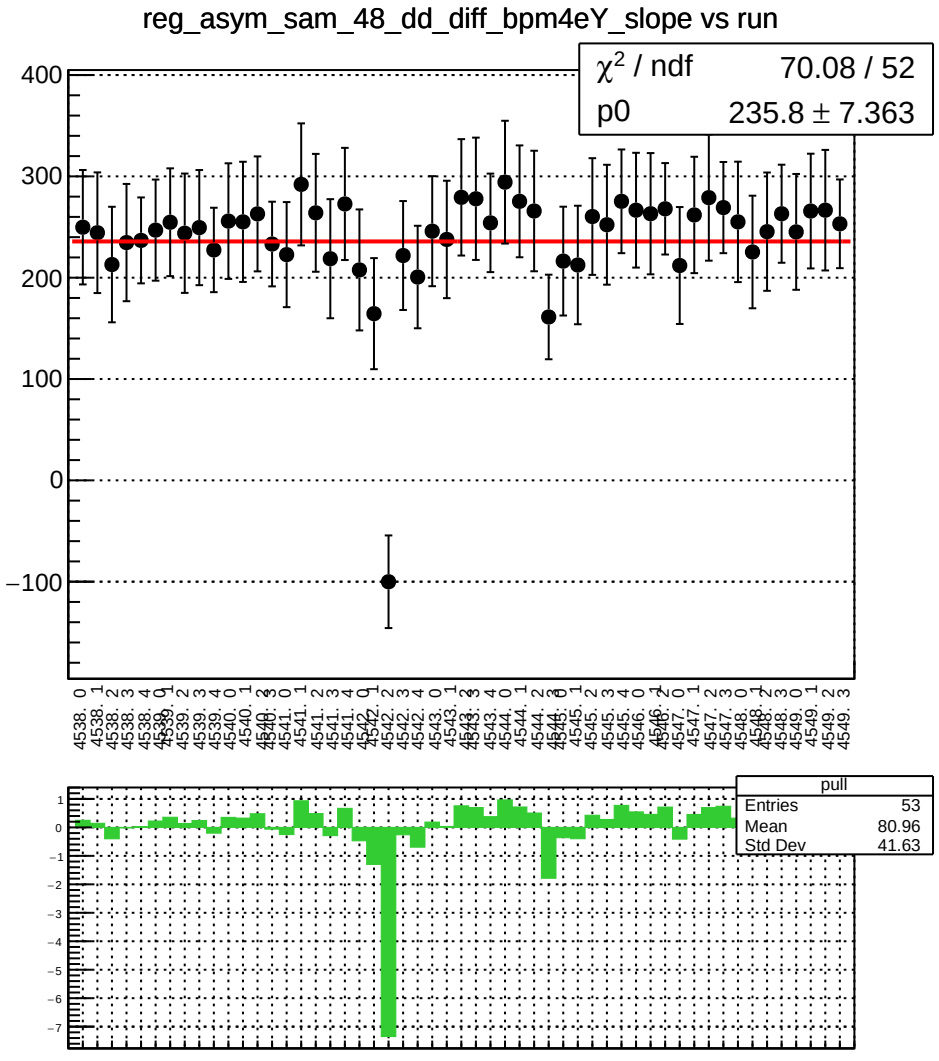

pull1D
Entries 53
Mean −0.002205
Std Dev 0.2773

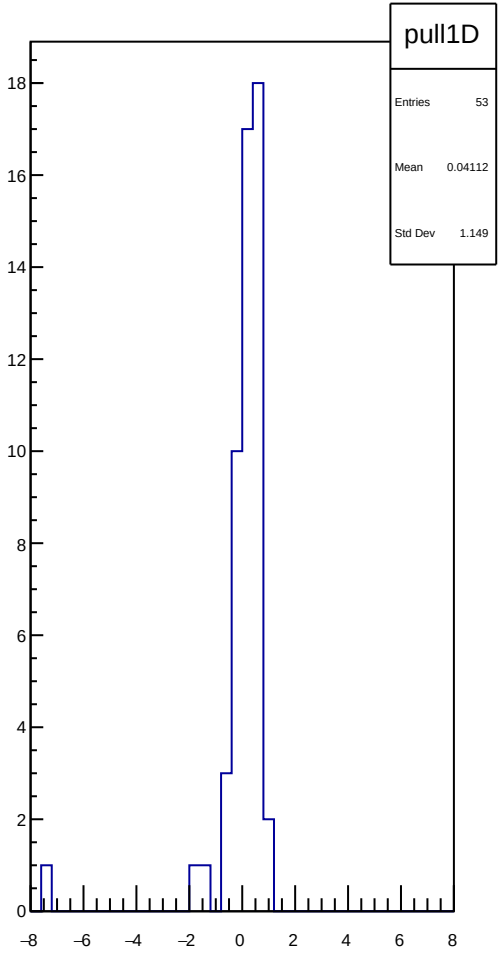

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.52 / 52
p0 28.81 ± 5.47
pull
Entries 53
Mean 82.05
Std Dev 43.17

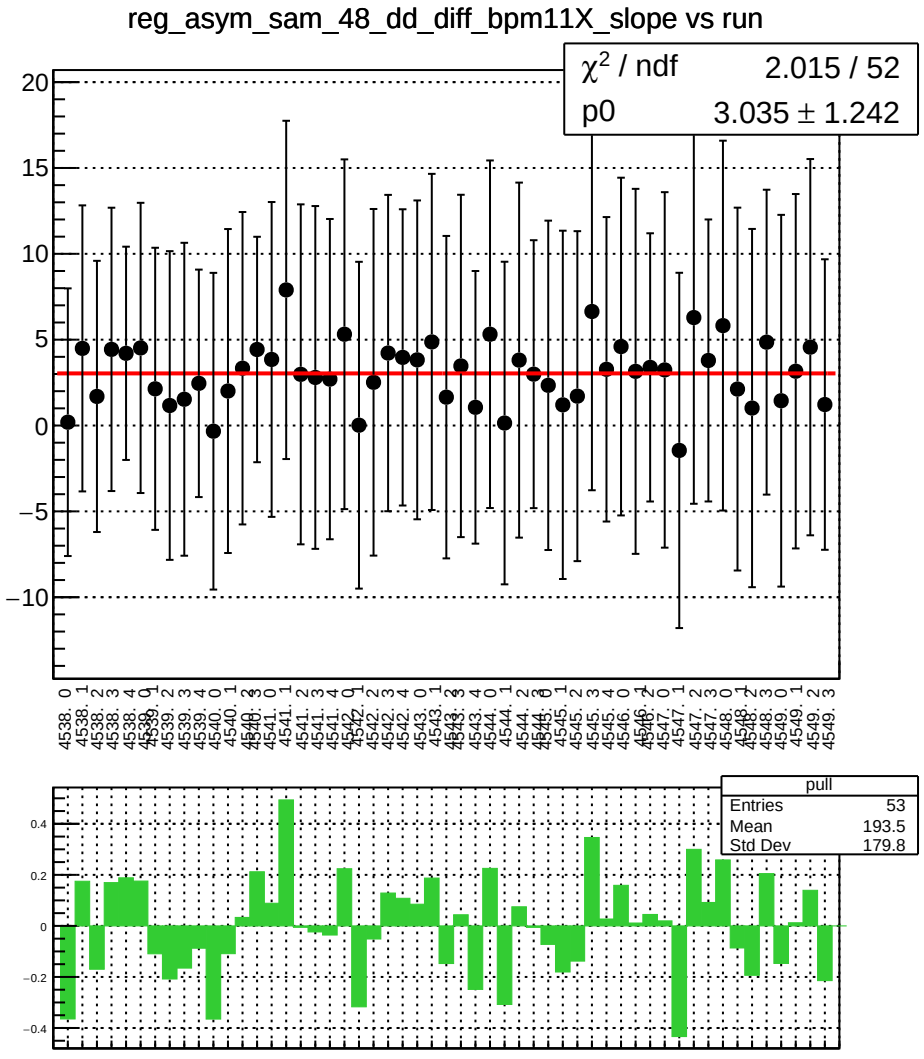

pull1D
Entries 53
Mean −0.04016
Std Dev 1.136

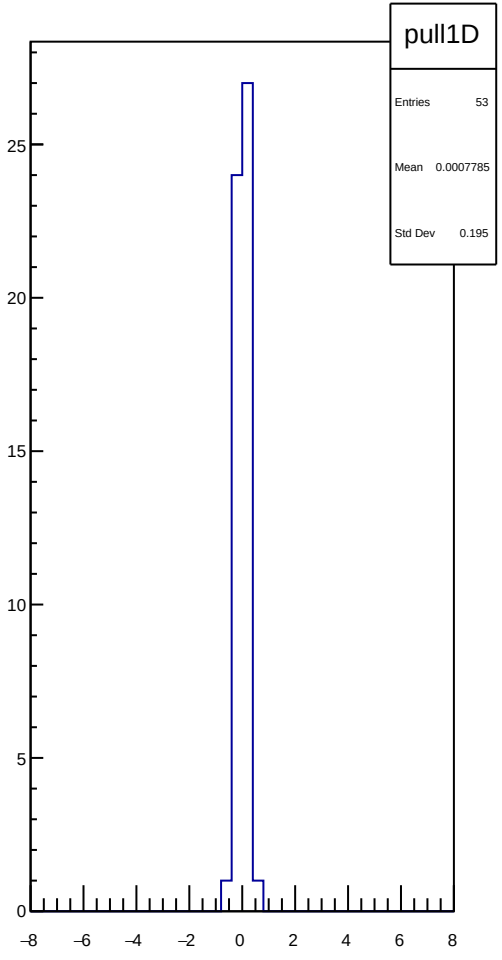

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.96 / 52
p0 −321.4 ± 0.6751
−310
−315
−320
−325
−330
pull
Entries 53
Mean 3968
Std Dev 3941
1
0.5
0
−0.5
−1

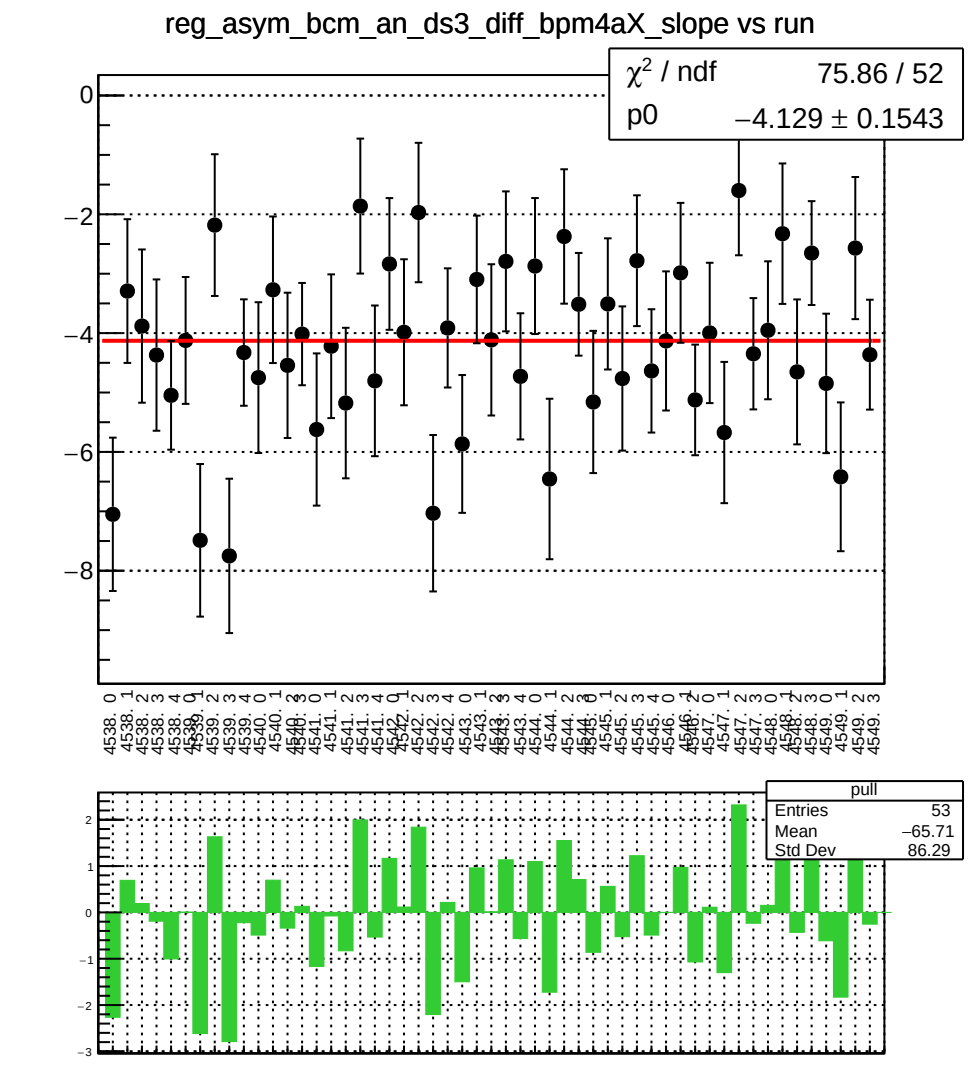

pull1D
Entries 53
Mean 0.001008
Std Dev 0.4946
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

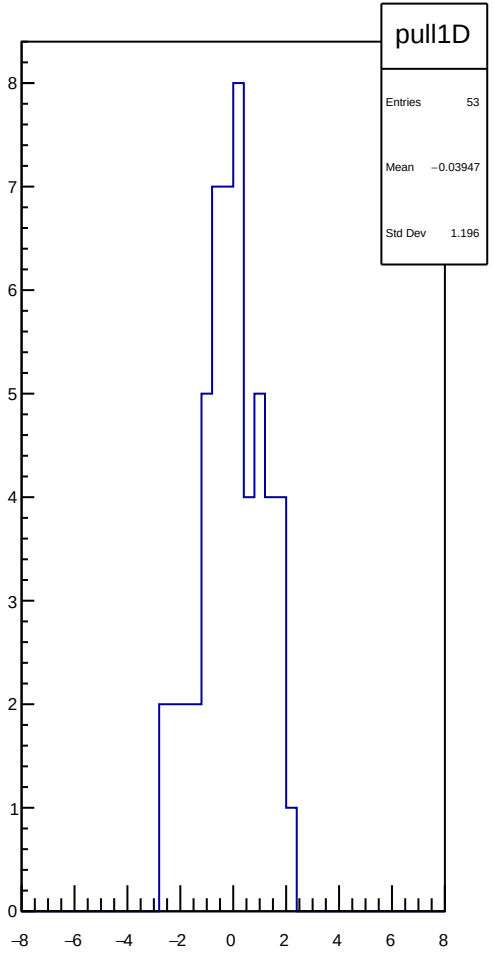

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.08 / 52
p0 235.8 ± 7.363
pull
Entries 53
Mean 80.96
Std Dev 41.63

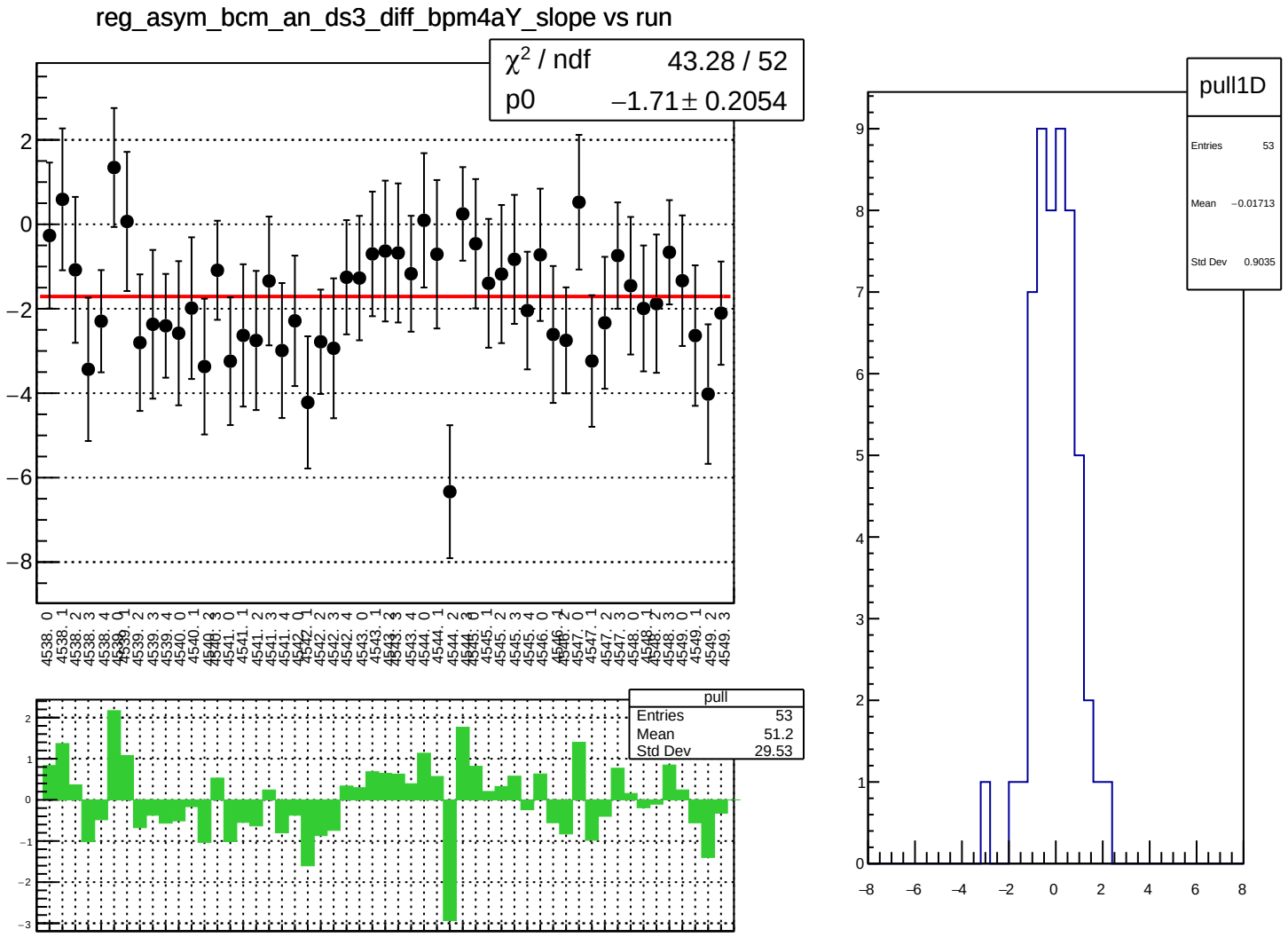

pull1D
Entries 53
Mean 0.04112
Std Dev 1.149

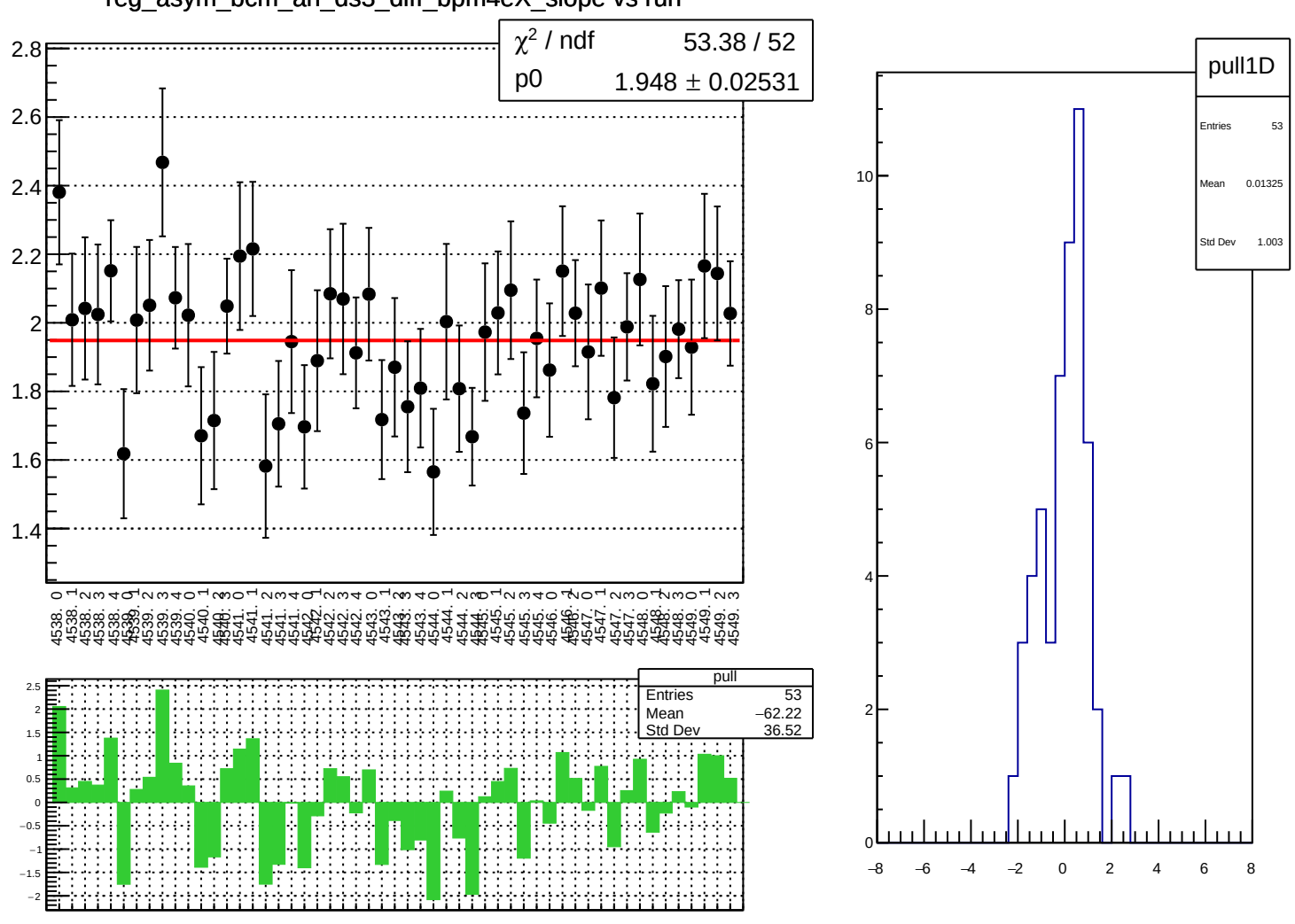

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 2.015 / 52
p0 3.035 ± 1.242
pull
Entries 53
Mean 193.5
Std Dev 179.8

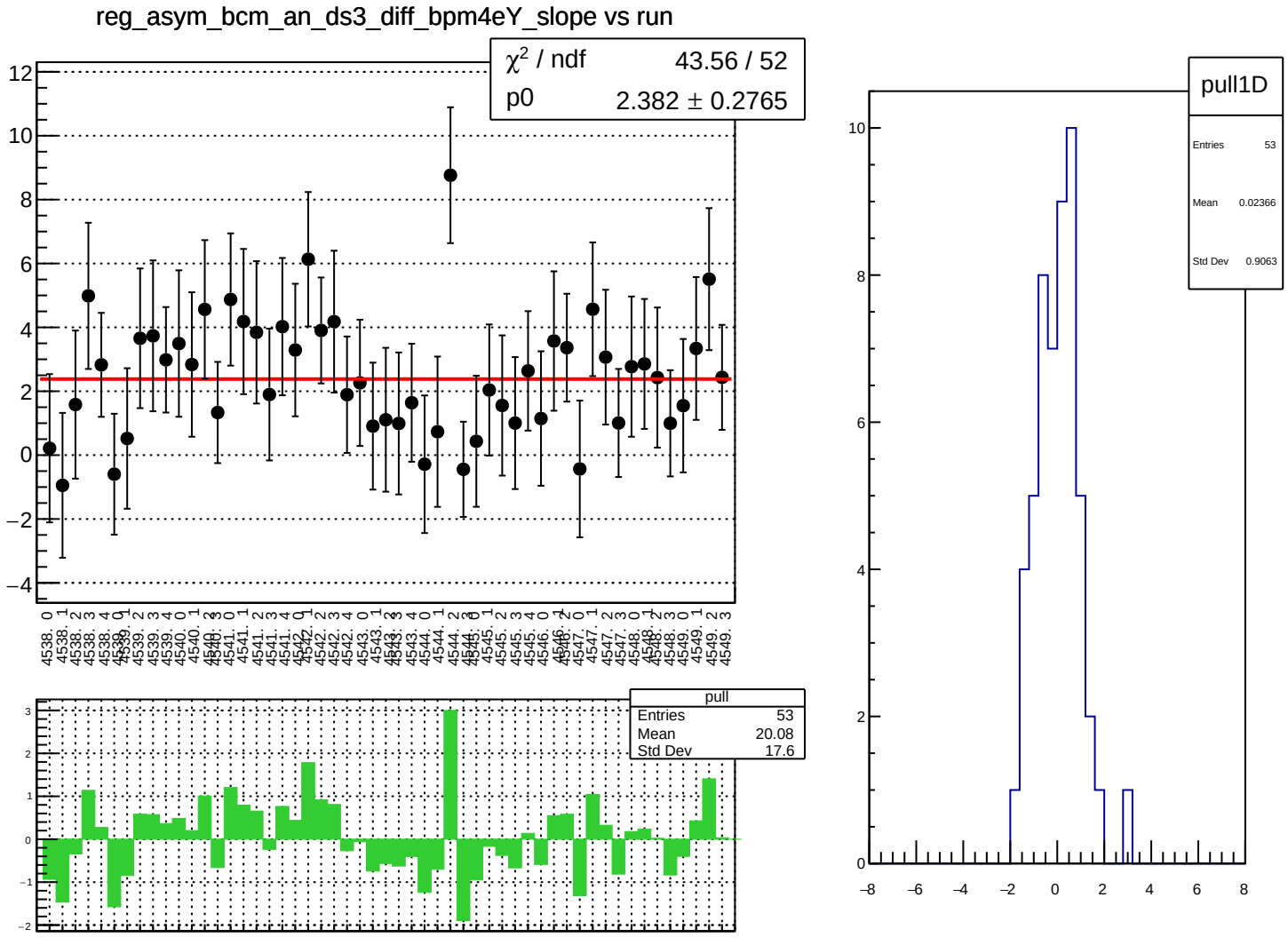

pull1D
Entries 53
Mean 0.0007785
Std Dev 0.195

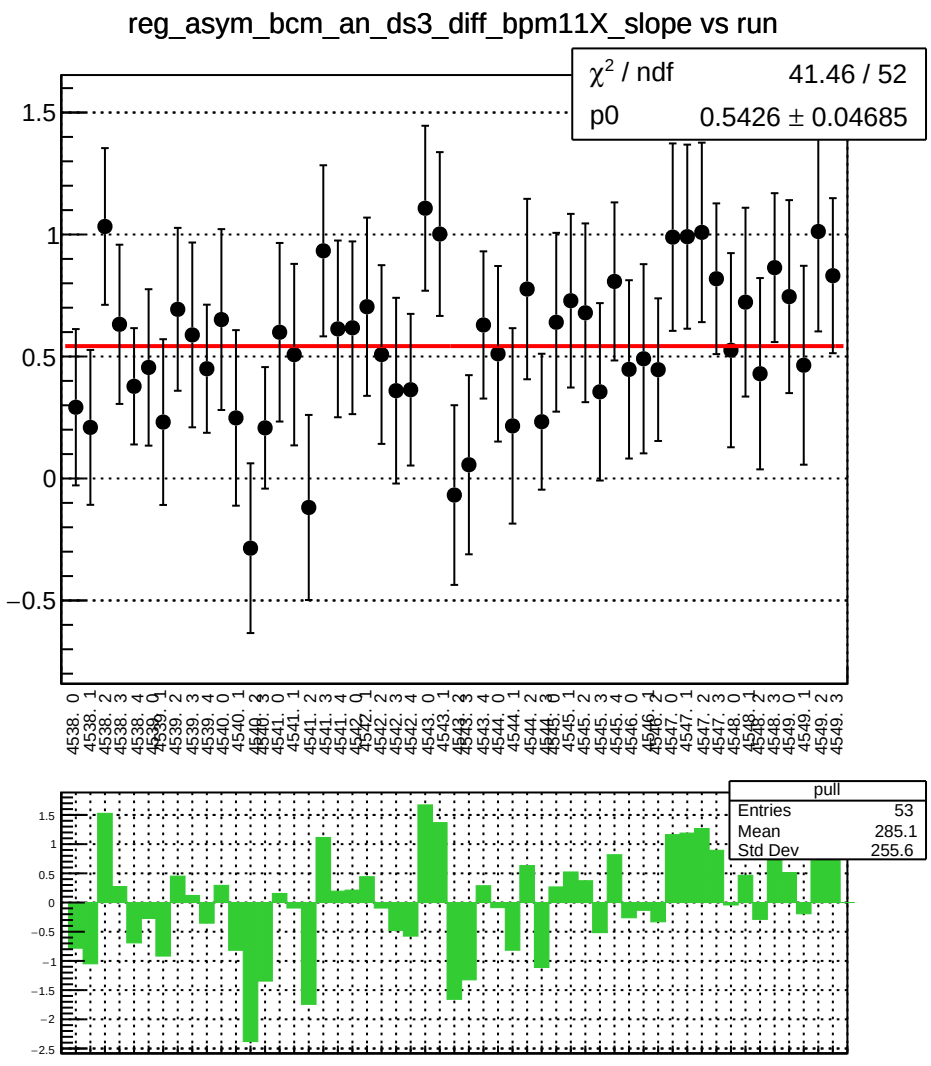

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 75.86 / 52
p0 −4.129 ± 0.1543
pull
Entries 53
Mean −65.71
Std Dev 86.29

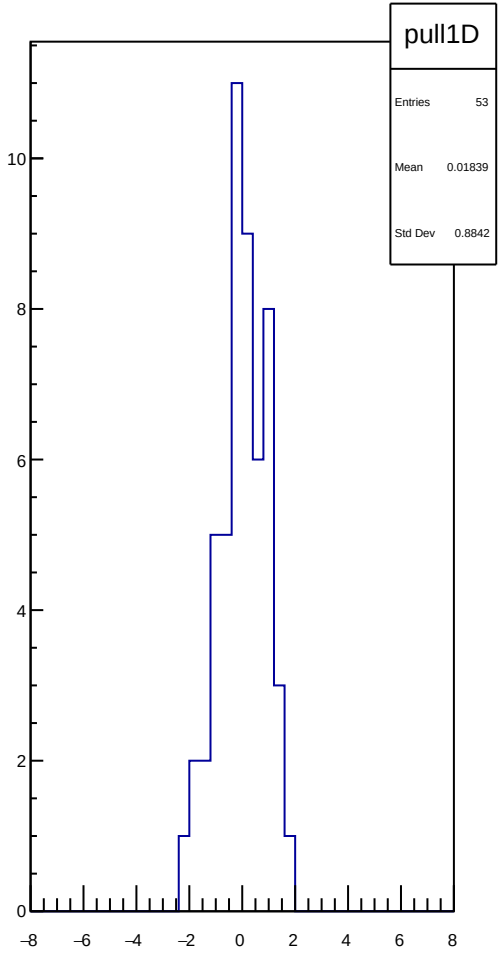

pull1D
Entries 53
Mean −0.03947
Std Dev 1.196

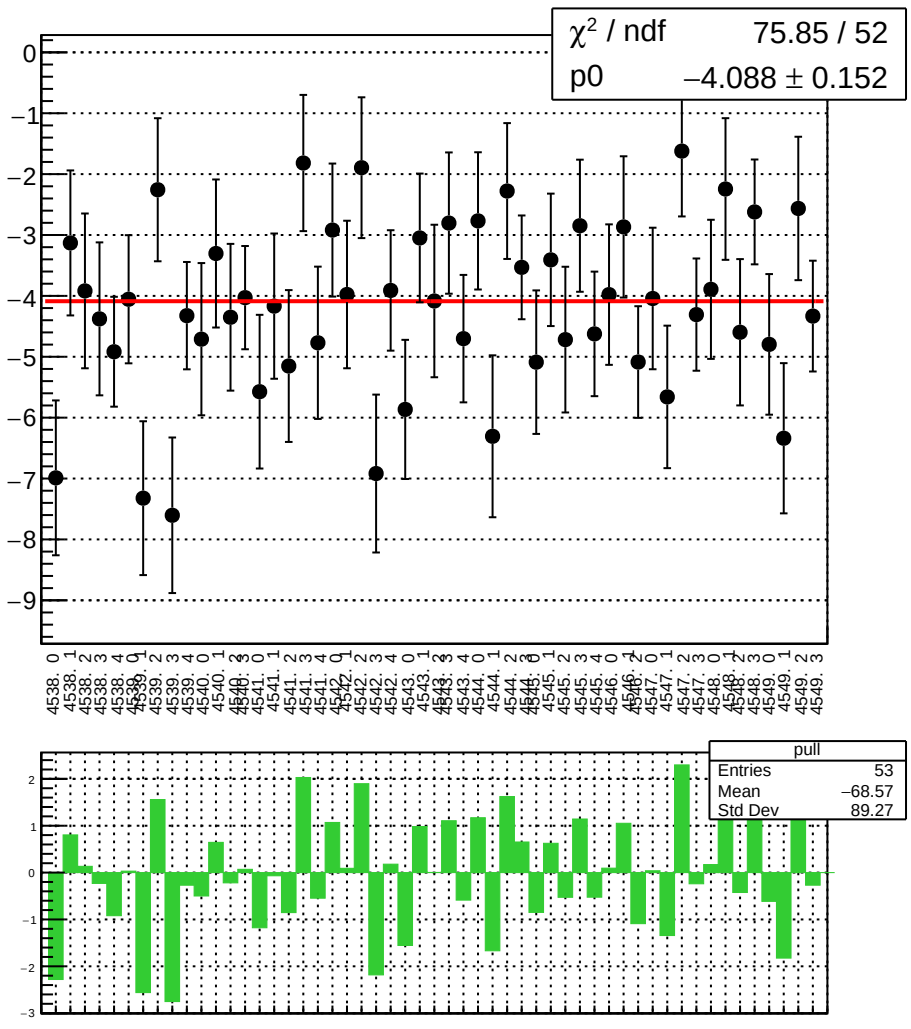

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 43.28 / 52
p0 −1.71 ± 0.2054
pull
Entries 53
Mean 51.2
Std Dev 29.53
pull1D
Entries 53
Mean −0.01713
Std Dev 0.9035

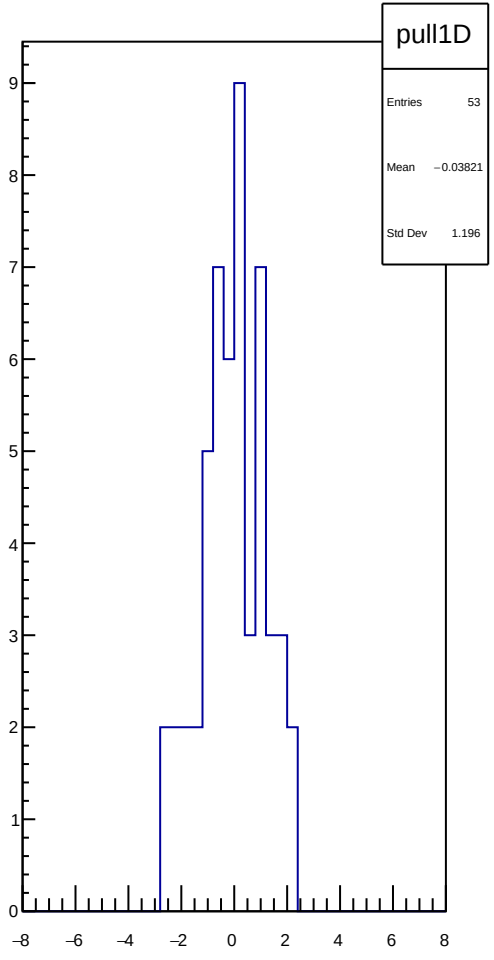

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 53.38 / 52
p0 1.948 ± 0.02531
pull
Entries 53
Mean −62.22
Std Dev 36.52
pull1D
Entries 53
Mean 0.01325
Std Dev 1.003

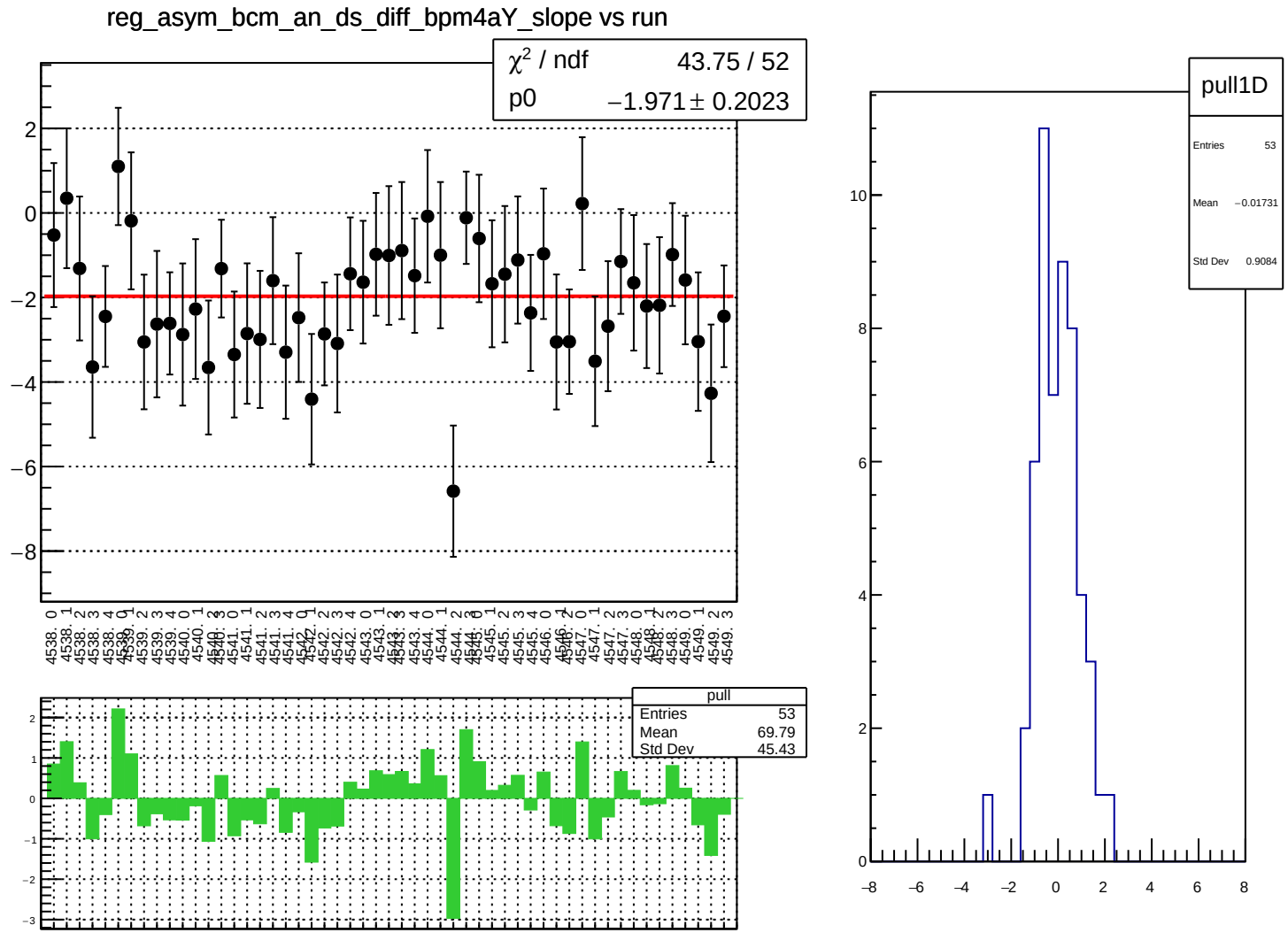

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 43.56 / 52
p0 2.382 ± 0.2765
pull
Entries 53
Mean 20.08
Std Dev 17.6
pull1D
Entries 53
Mean 0.02366
Std Dev 0.9063

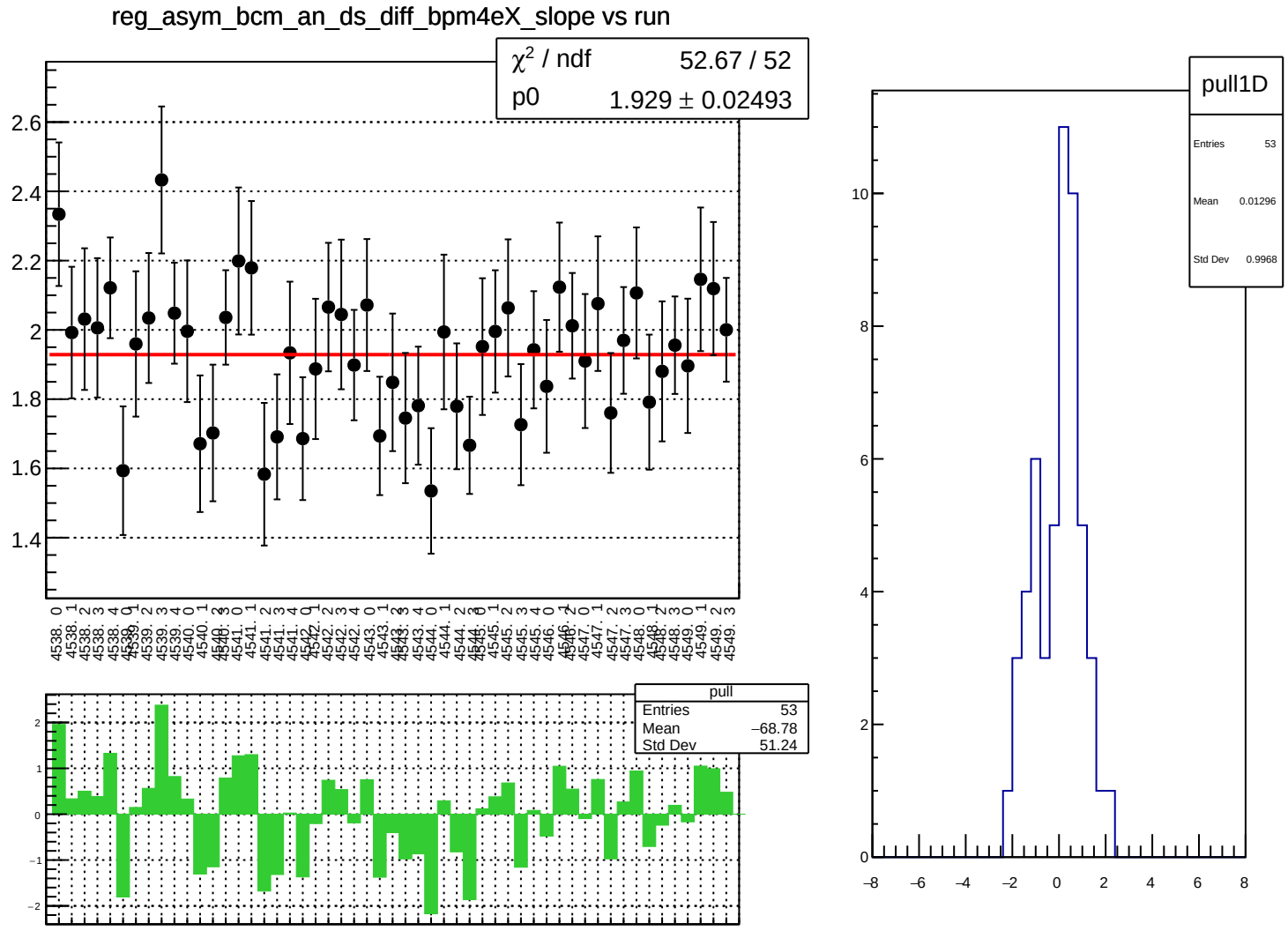

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 41.46 / 52
p0 0.5426 ± 0.04685
pull
Entries 53
Mean 285.1
Std Dev 255.6

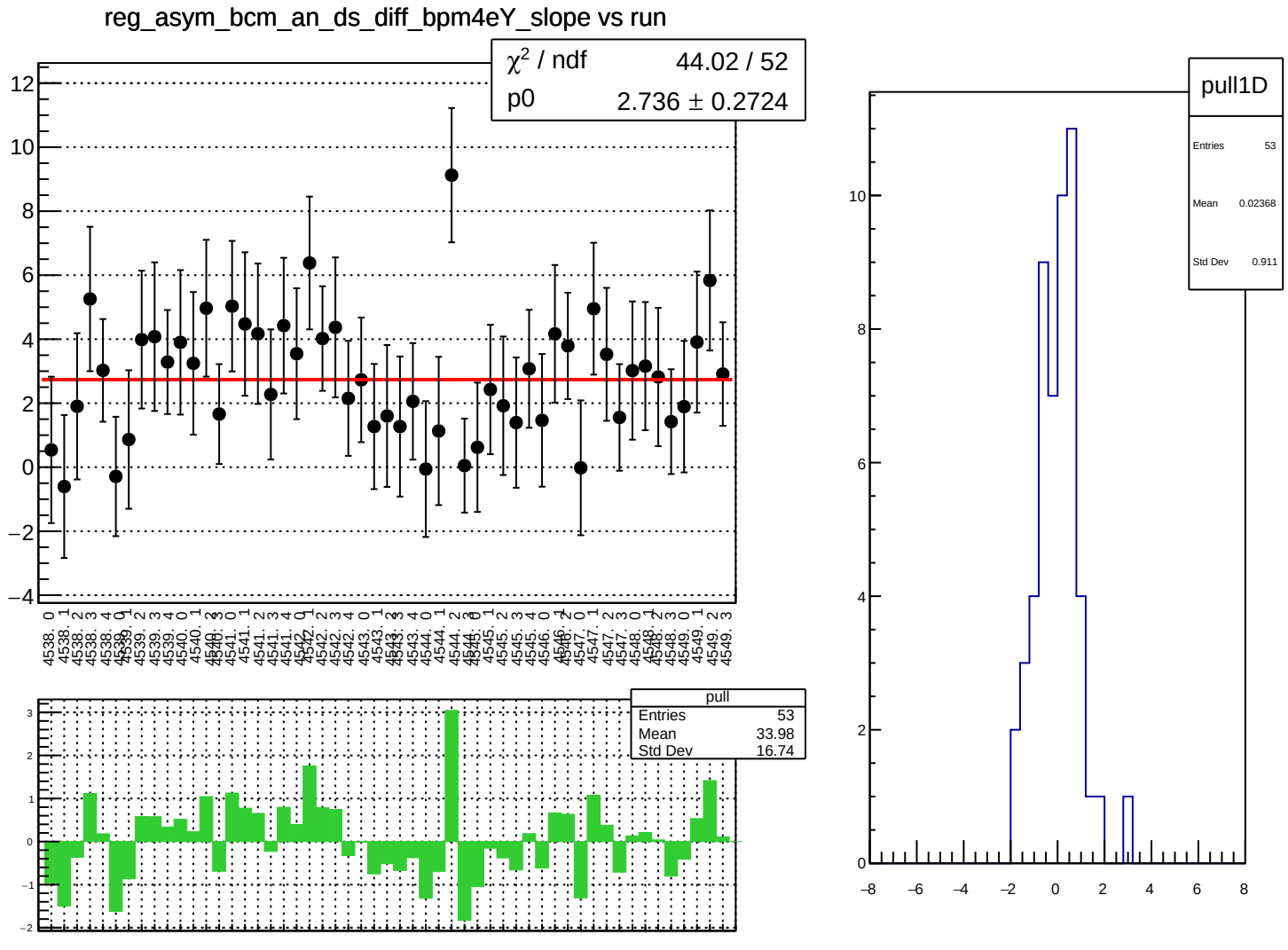

pull1D
Entries 53
Mean 0.01839
Std Dev 0.8842

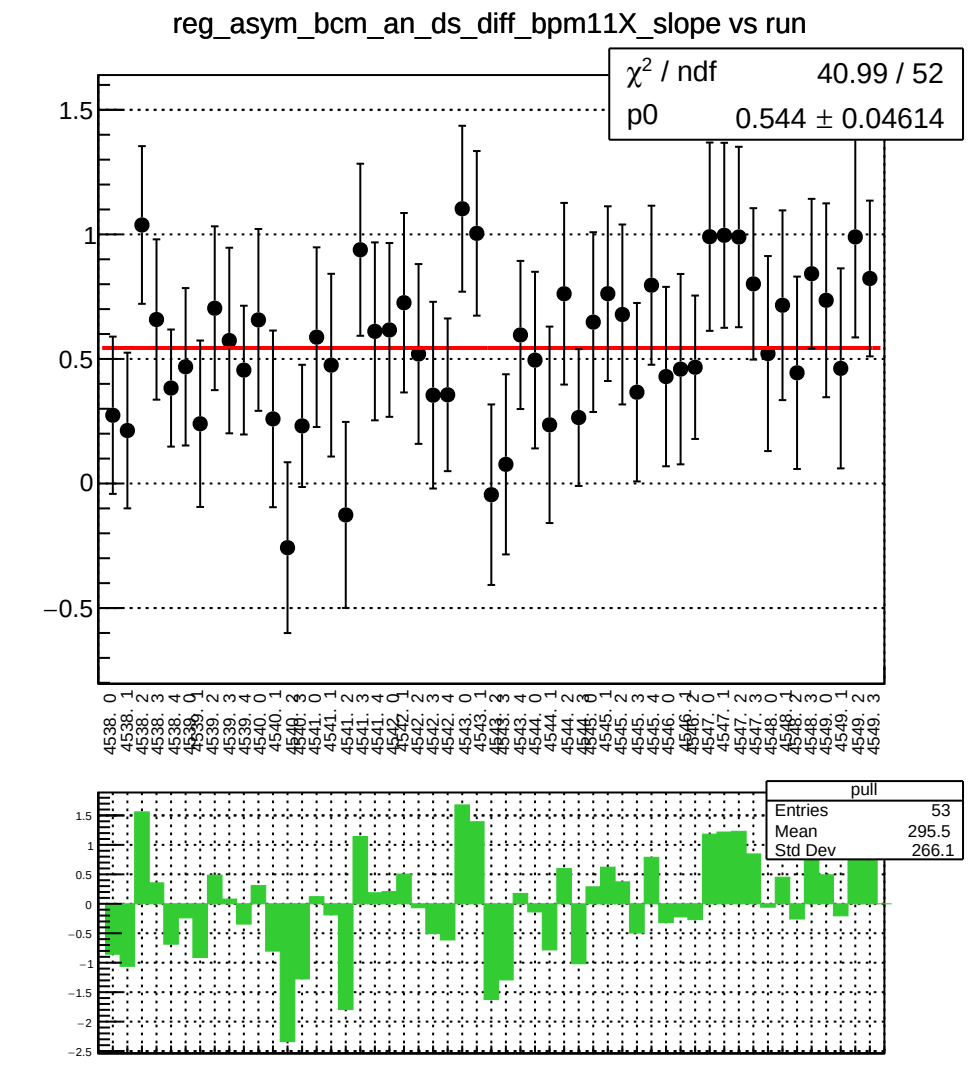

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 75.85 / 52
p0 −4.088 ± 0.152
pull
Entries 53
Mean −68.57
Std Dev 89.27

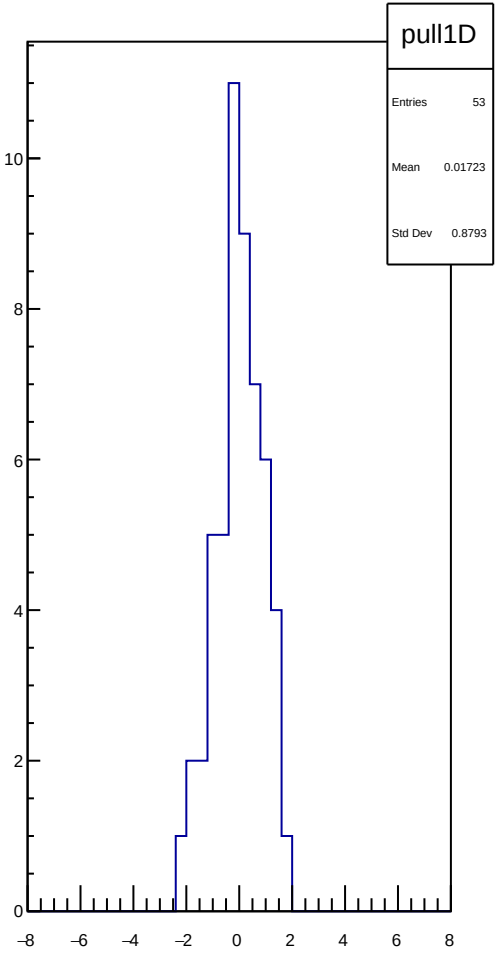

pull1D
Entries 53
Mean −0.03821
Std Dev 1.196

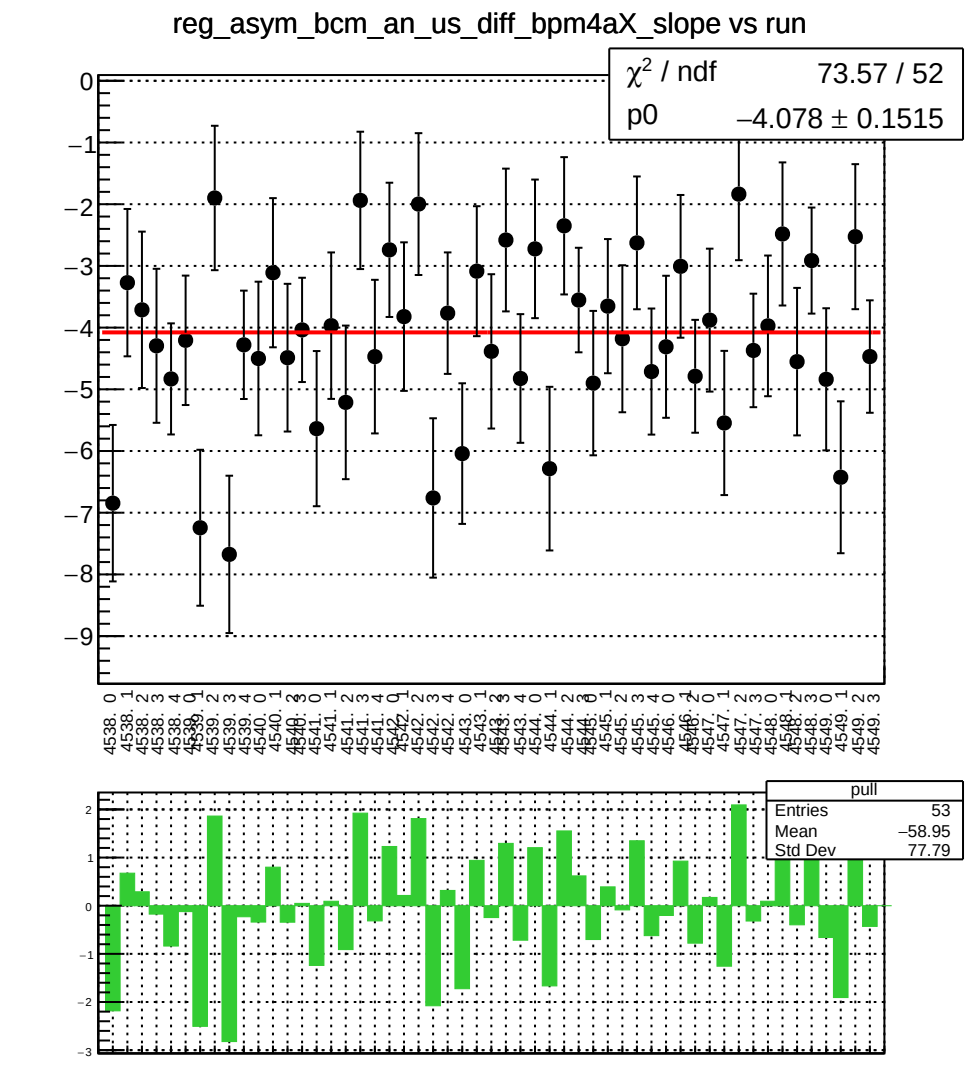

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 43.75 / 52
p0 −1.971 ± 0.2023
pull
Entries 53
Mean 69.79
Std Dev 45.43
pull1D
Entries 53
Mean −0.01731
Std Dev 0.9084

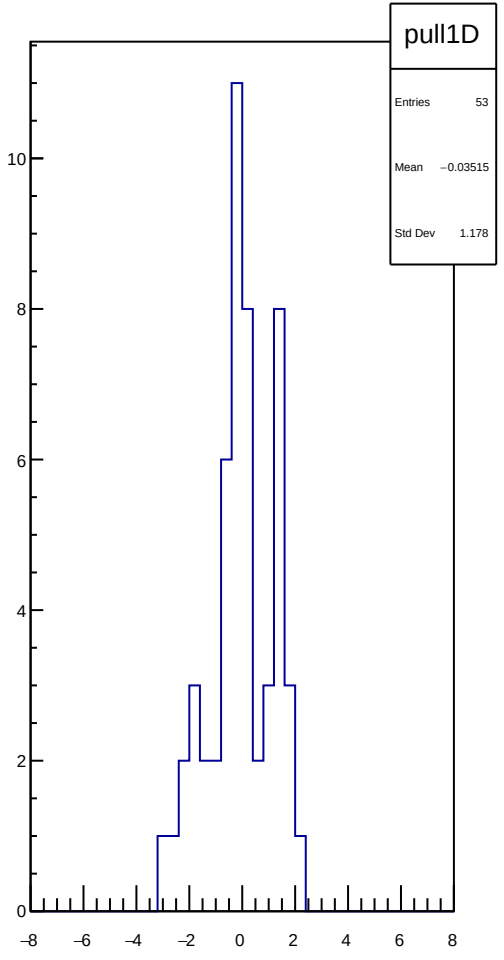

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 52.67 / 52
p0 1.929 ± 0.02493
pull
Entries 53
Mean −68.78
Std Dev 51.24
pull1D
Entries 53
Mean 0.01296
Std Dev 0.9968

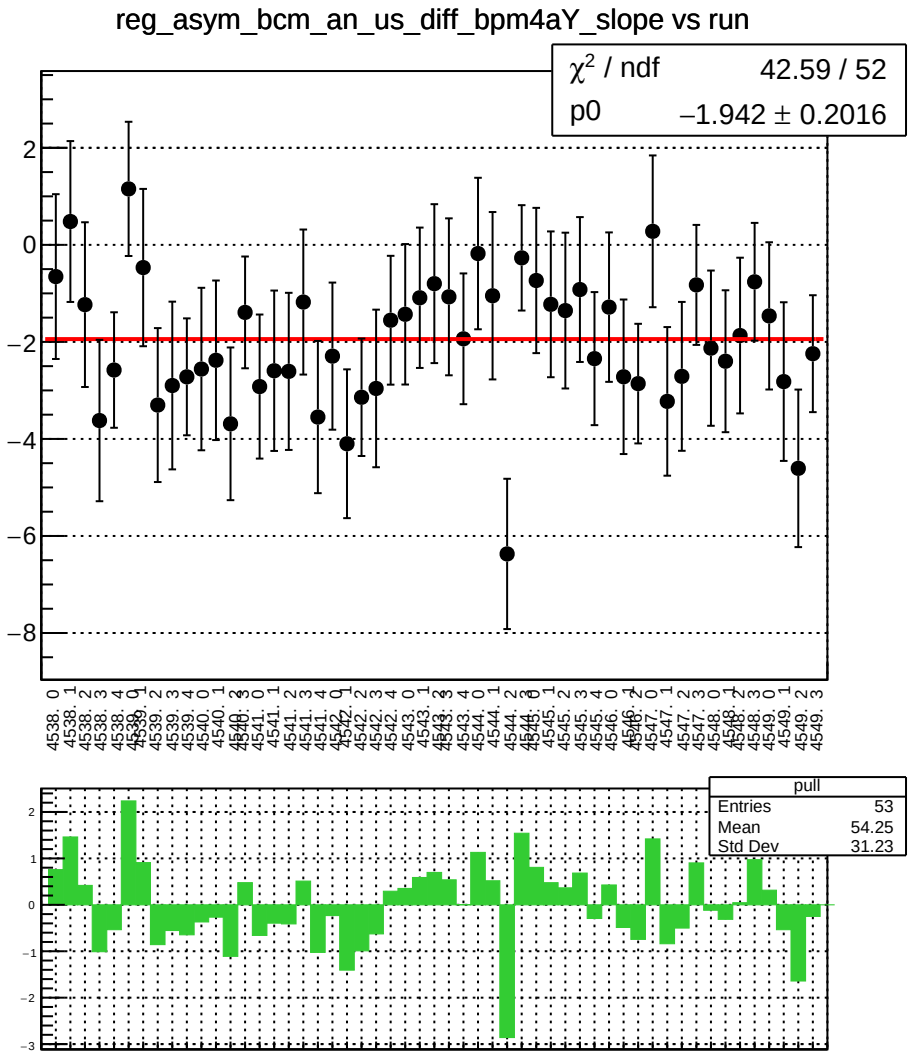

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 44.02 / 52
p0 2.736 ± 0.2724
pull
Entries 53
Mean 33.98
Std Dev 16.74
pull1D
Entries 53
Mean 0.02368
Std Dev 0.911

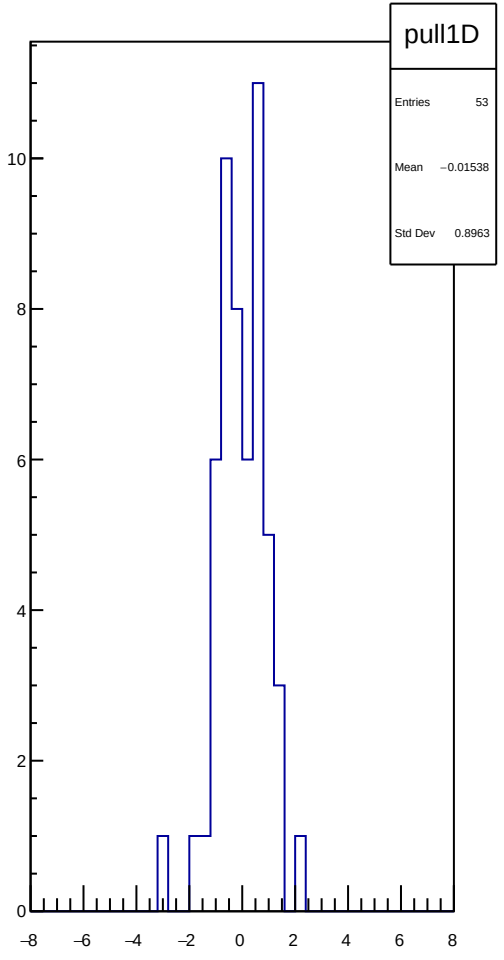

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 40.99 / 52
p0 0.544 ± 0.04614
pull
Entries 53
Mean 295.5
Std Dev 266.1

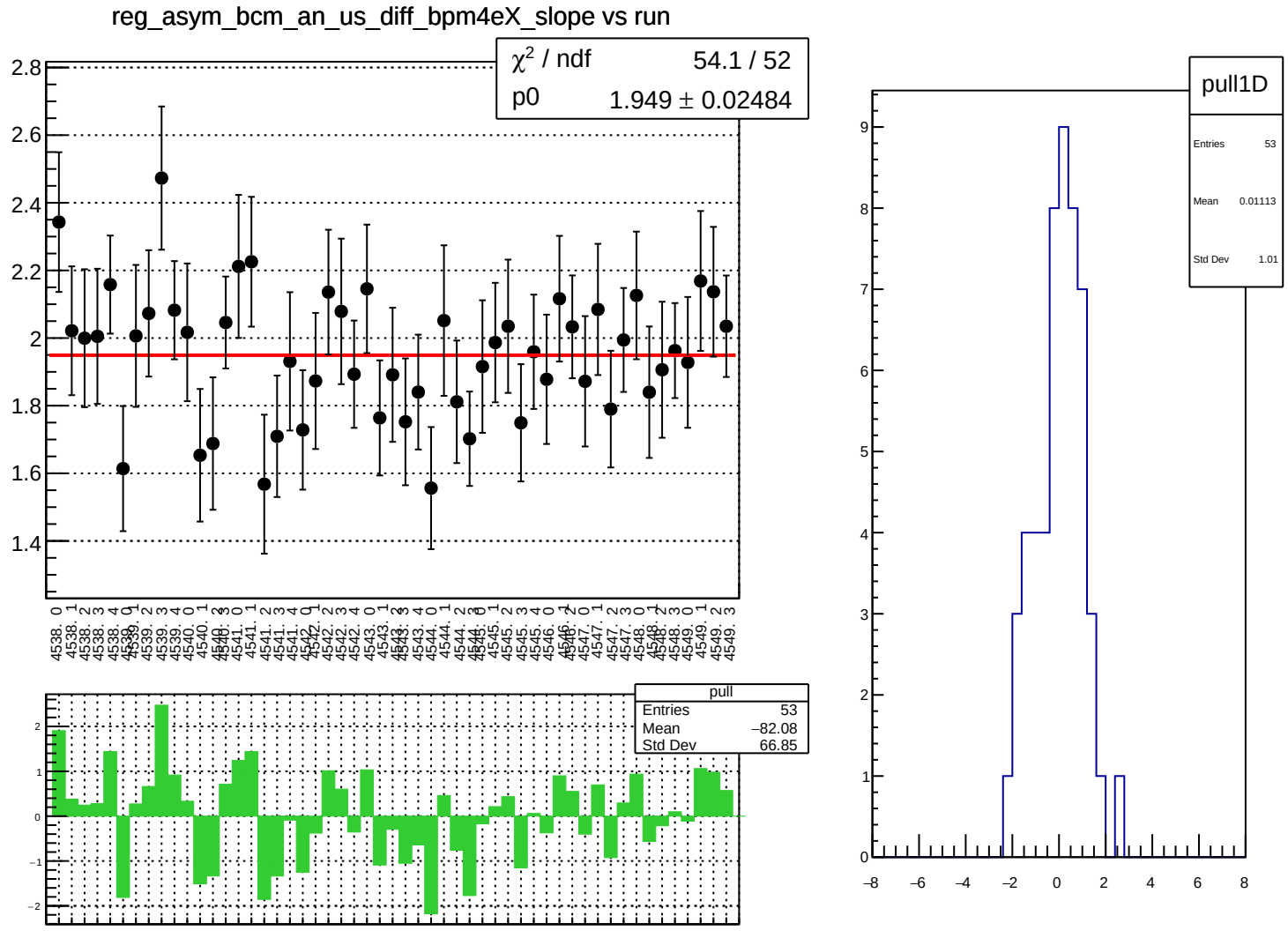

pull1D
Entries 53
Mean 0.01723
Std Dev 0.8793

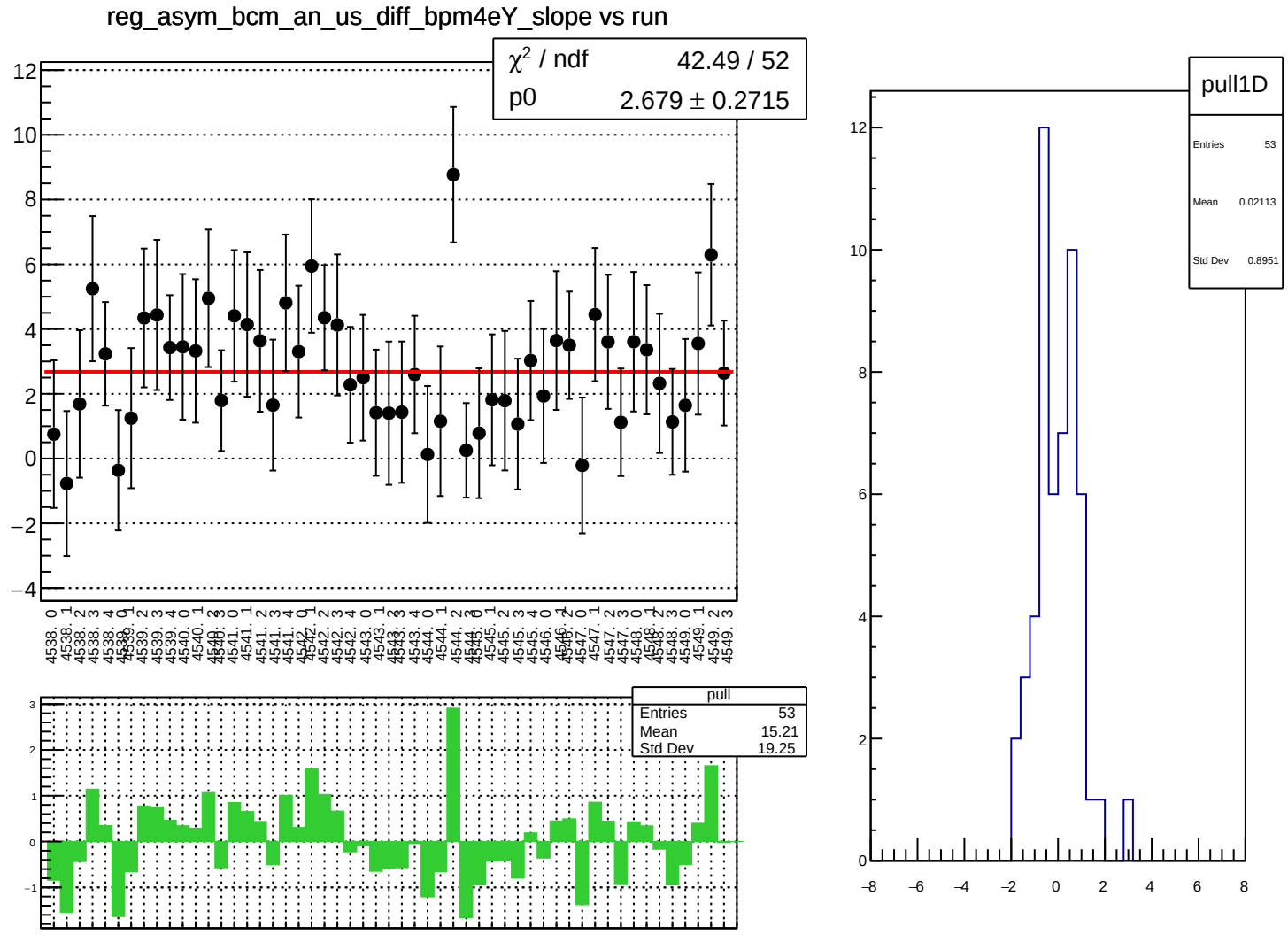

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 73.57 / 52
p0 −4.078 ± 0.1515
pull
Entries 53
Mean −58.95
Std Dev 77.79

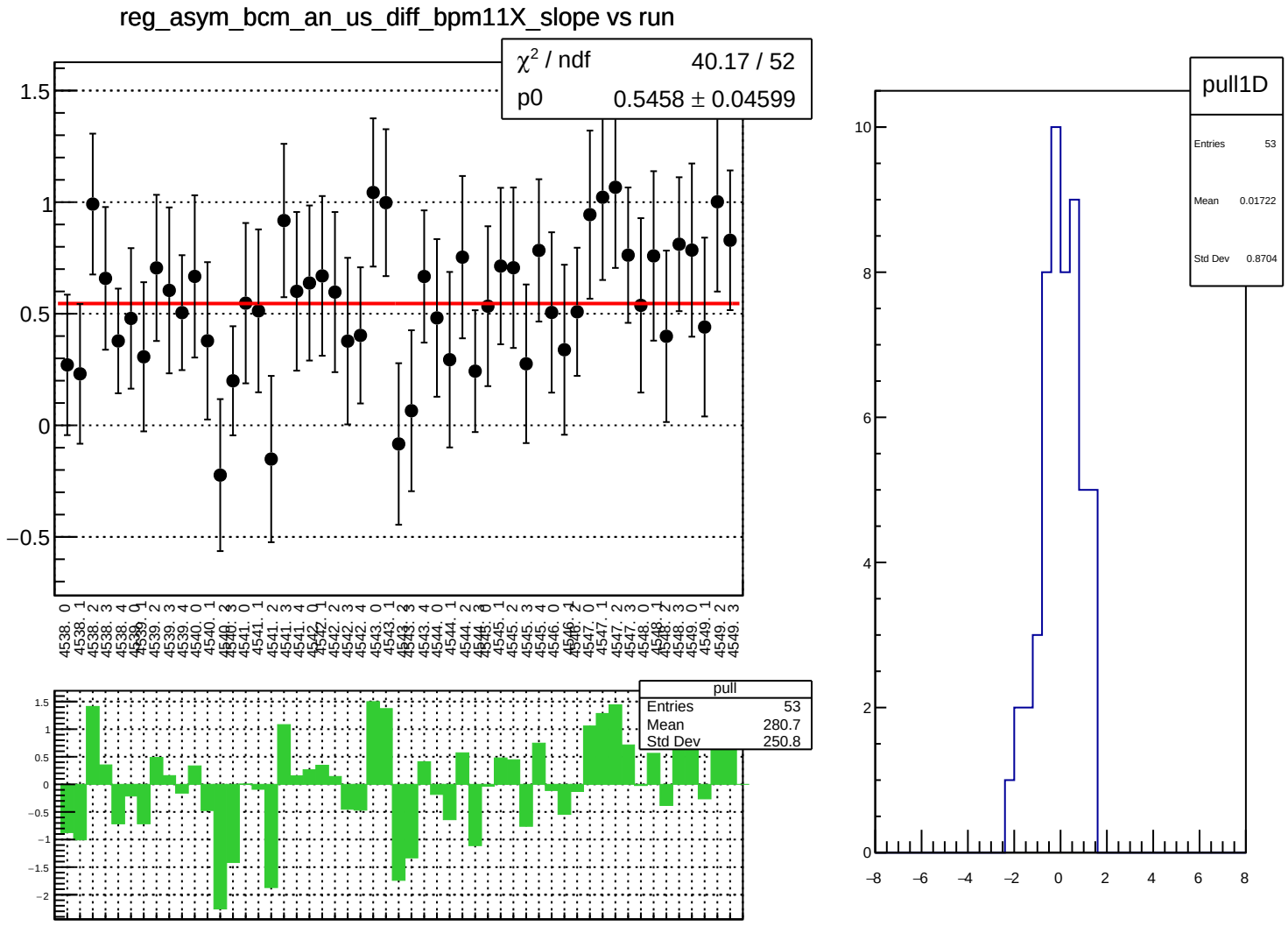

pull1D
Entries 53
Mean −0.03515
Std Dev 1.178

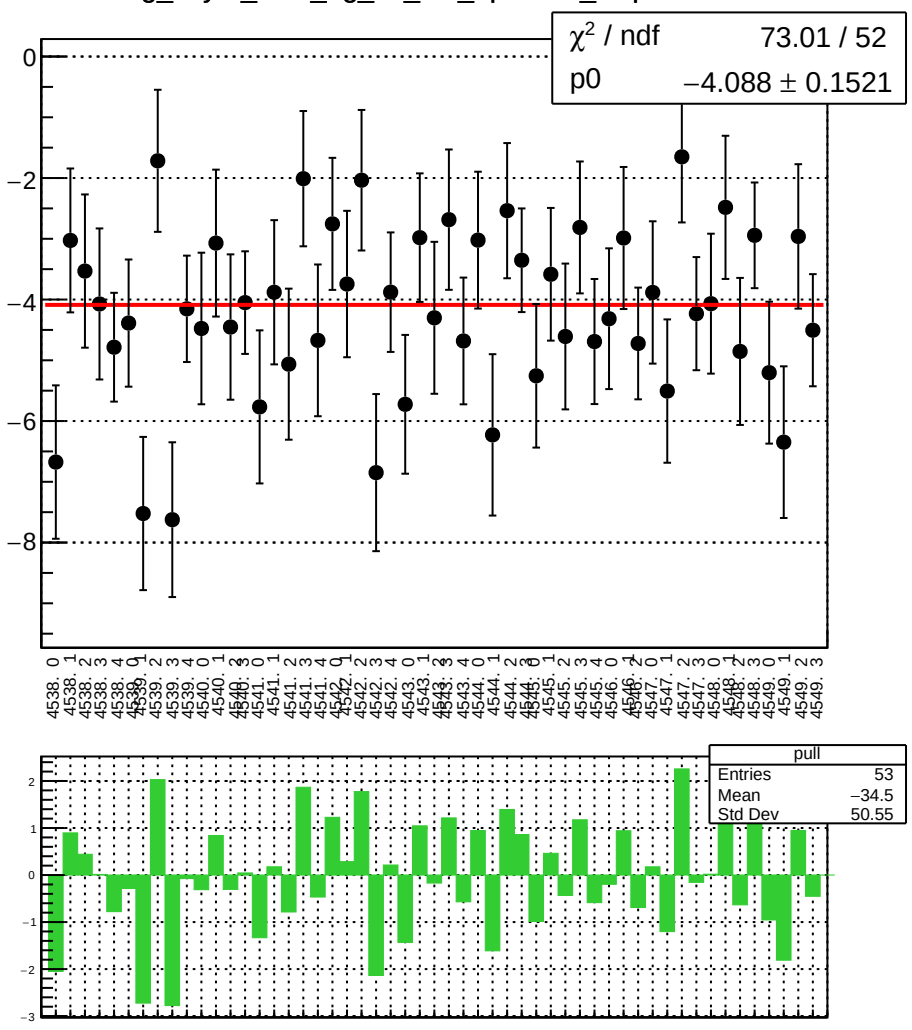

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 42.59 / 52
p0 −1.942 ± 0.2016
pull
Entries 53
Mean 54.25
Std Dev 31.23

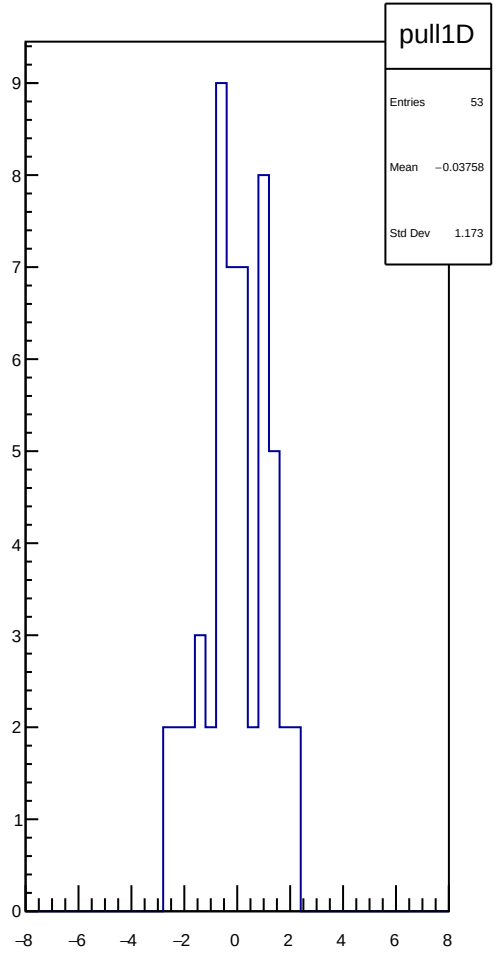

pull1D
Entries 53
Mean −0.01538
Std Dev 0.8963

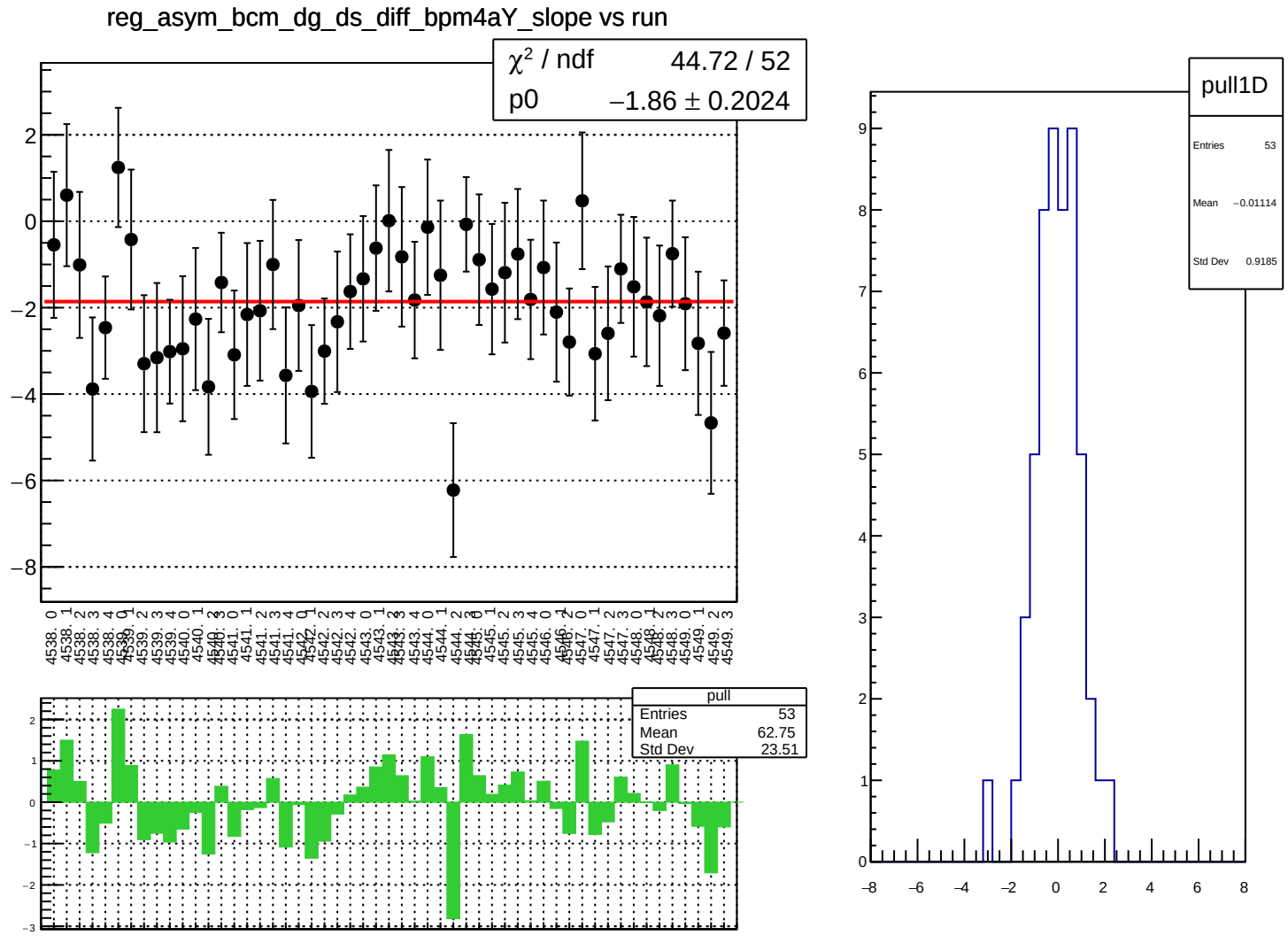

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 54.1 / 52
p0 1.949 ± 0.02484
pull
Entries 53
Mean −82.08
Std Dev 66.85
pull1D
Entries 53
Mean 0.01113
Std Dev 1.01

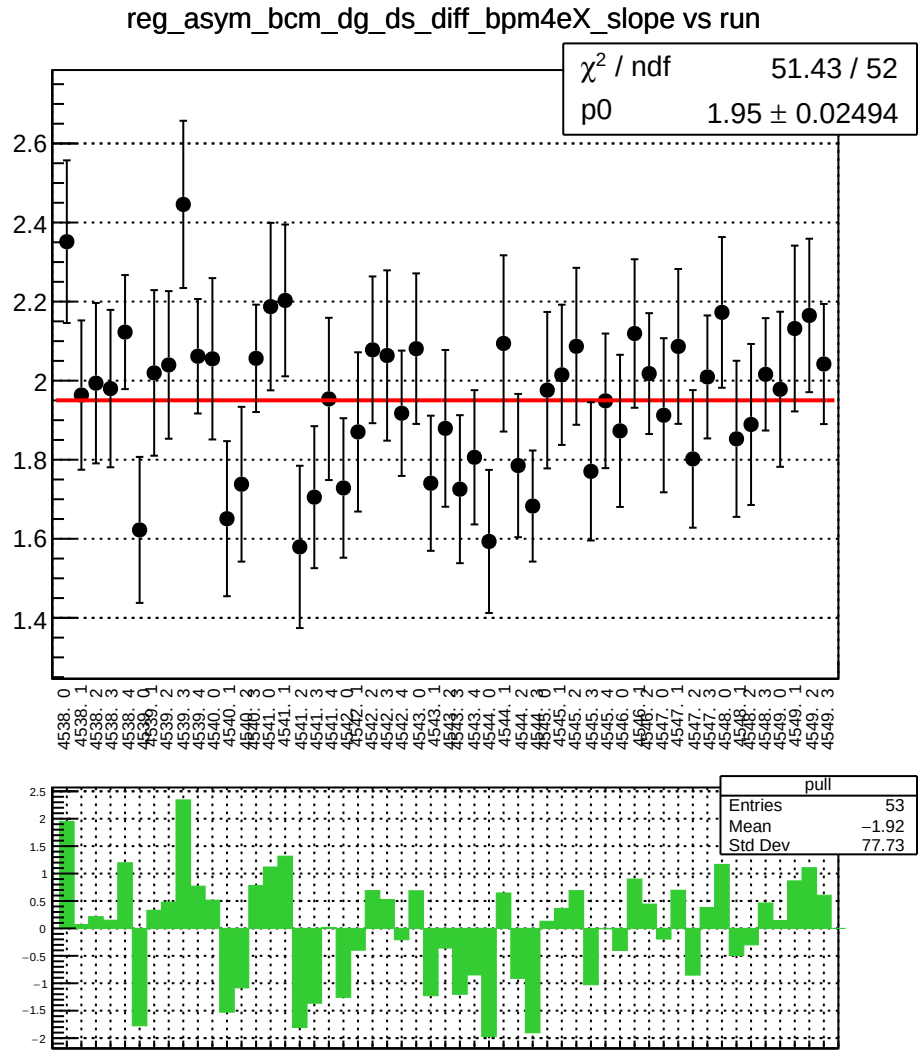

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 42.49 / 52
p0 2.679 ± 0.2715
pull
Entries 53
Mean 15.21
Std Dev 19.25
pull1D
Entries 53
Mean 0.02113
Std Dev 0.8951

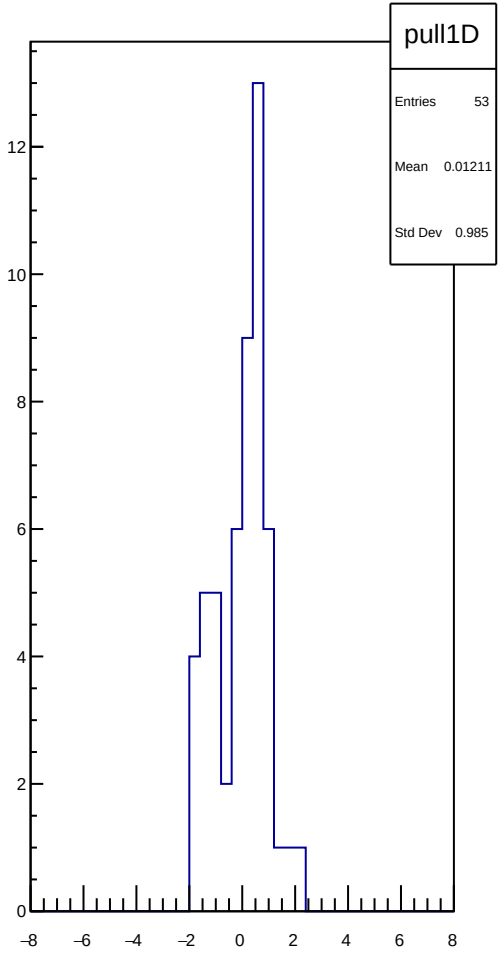

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 40.17 / 52
p0 0.5458 ± 0.04599
pull
Entries 53
Mean 280.7
Std Dev 250.8
pull1D
Entries 53
Mean 0.01722
Std Dev 0.8704

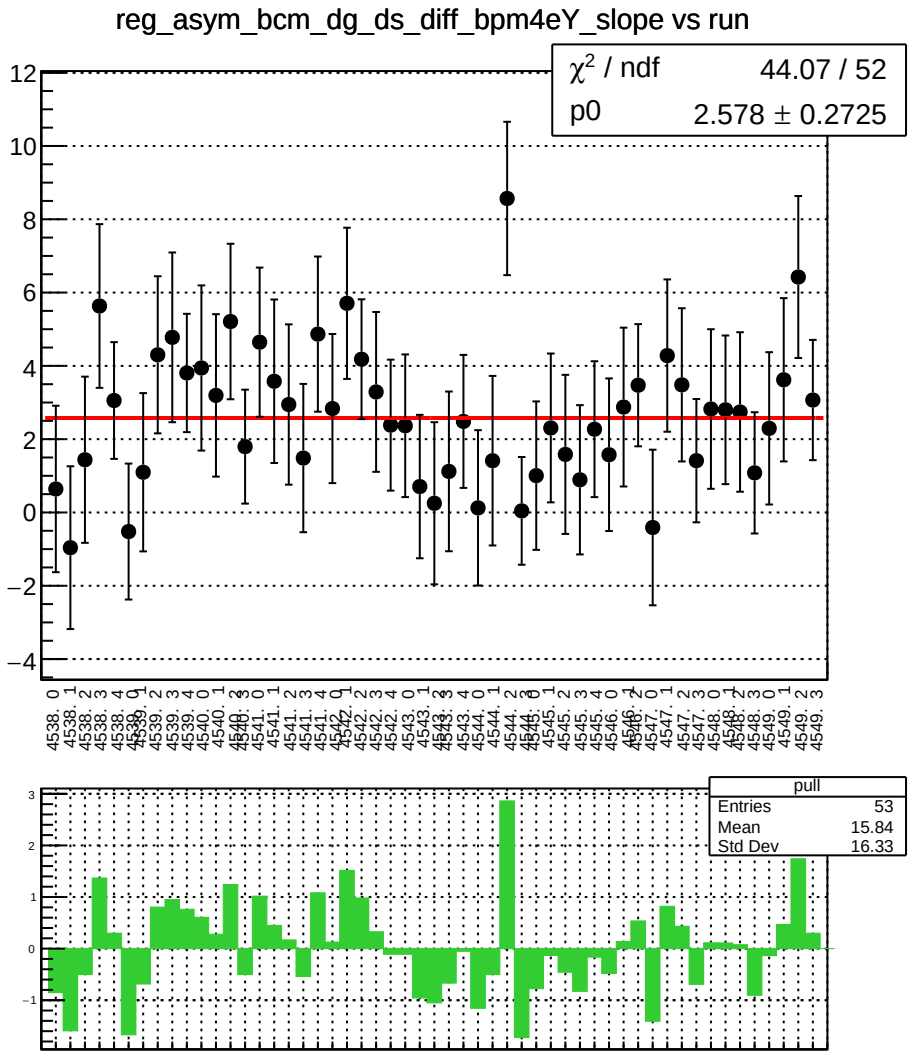

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 73.01 / 52
p0 −4.088 ± 0.1521
pull
Entries 53
Mean −34.5
Std Dev 50.55

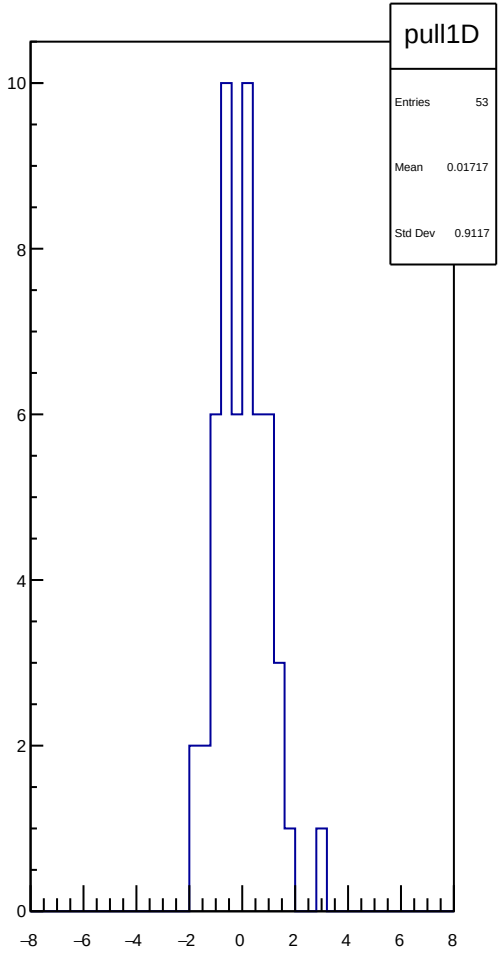

pull1D
Entries 53
Mean −0.03758
Std Dev 1.173

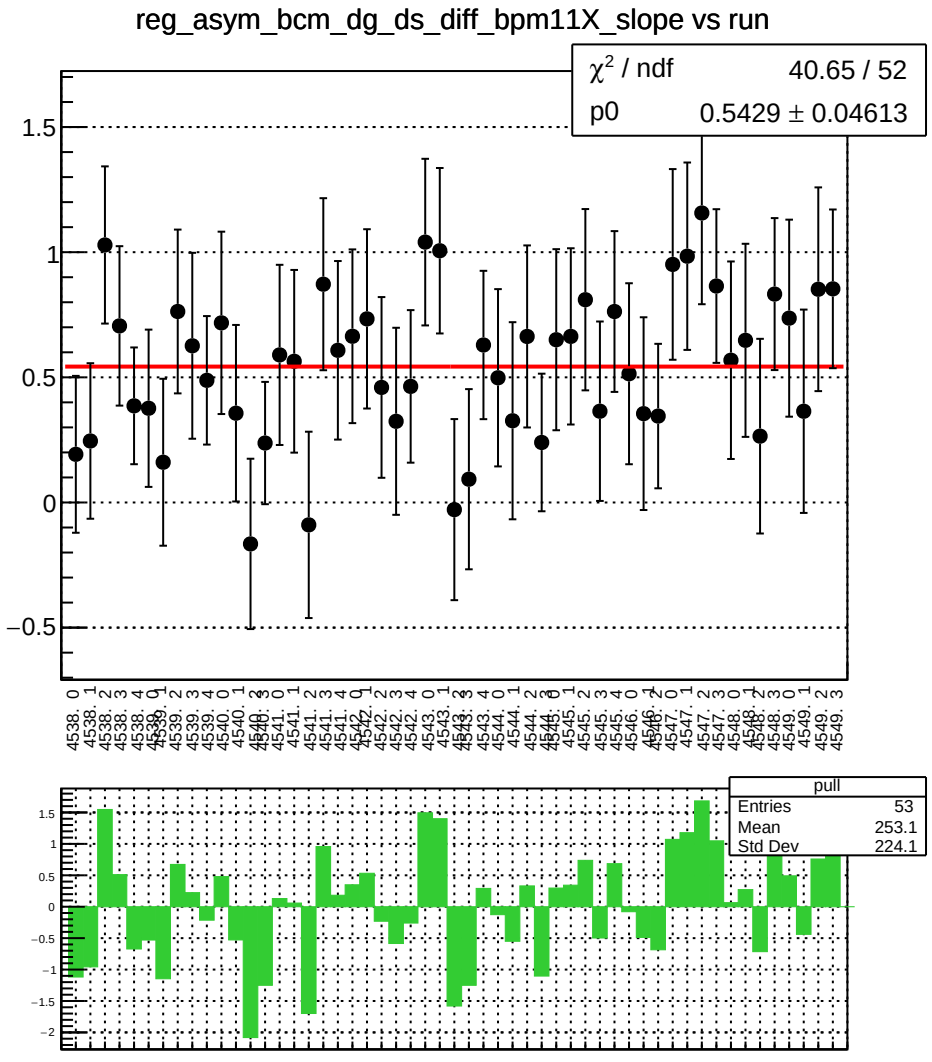

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 44.72 / 52
p0 −1.86 ± 0.2024
pull
Entries 53
Mean 62.75
Std Dev 23.51
pull1D
Entries 53
Mean −0.01114
Std Dev 0.9185

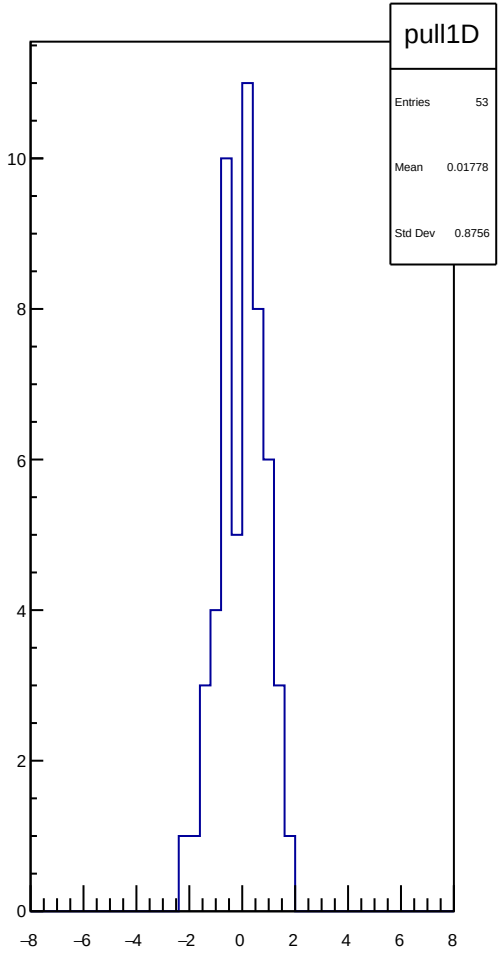

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 51.43 / 52
p0 1.95 ± 0.02494
pull
Entries 53
Mean −1.92
Std Dev 77.73

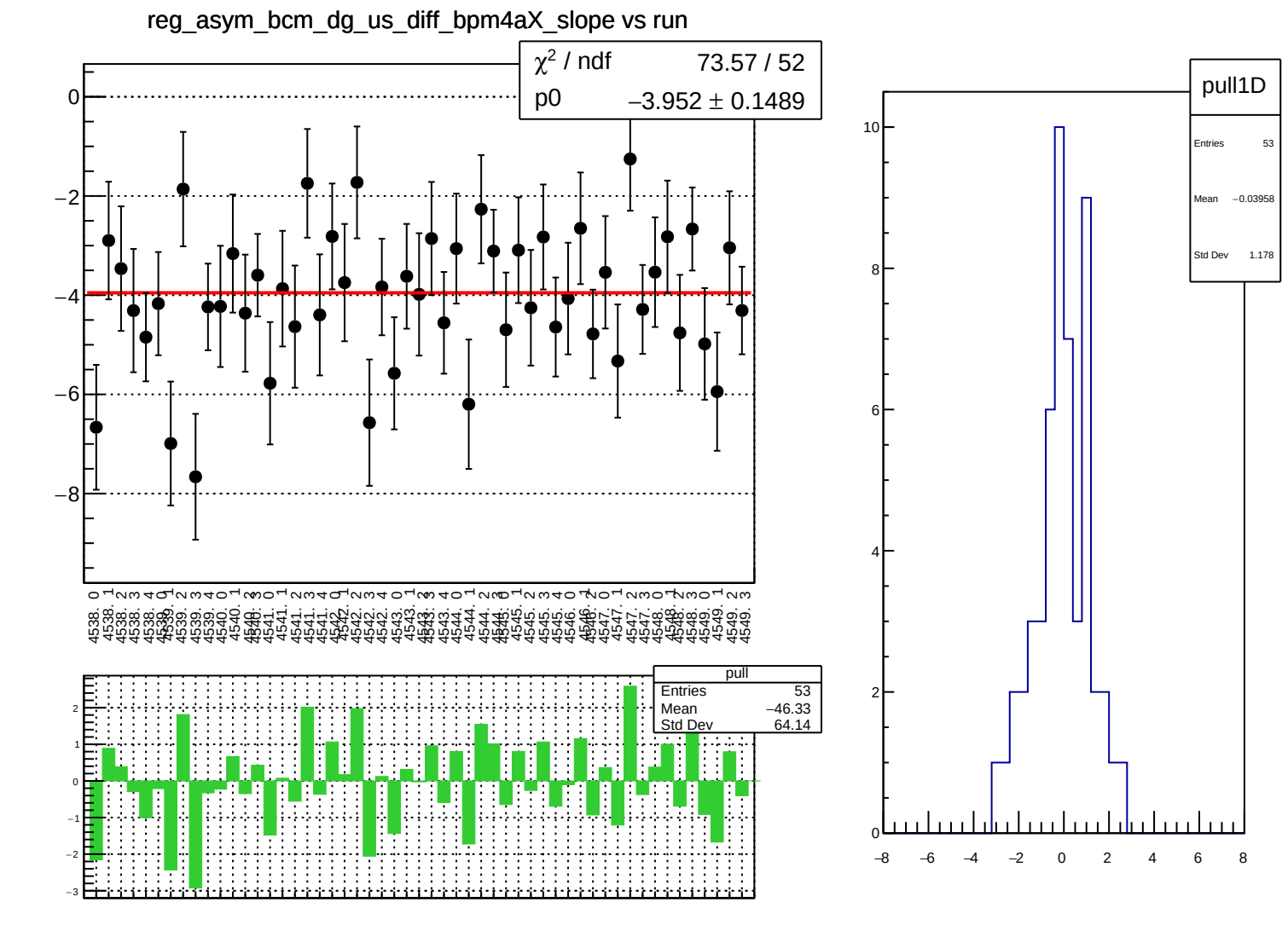

pull1D
Entries 53
Mean 0.01211
Std Dev 0.985

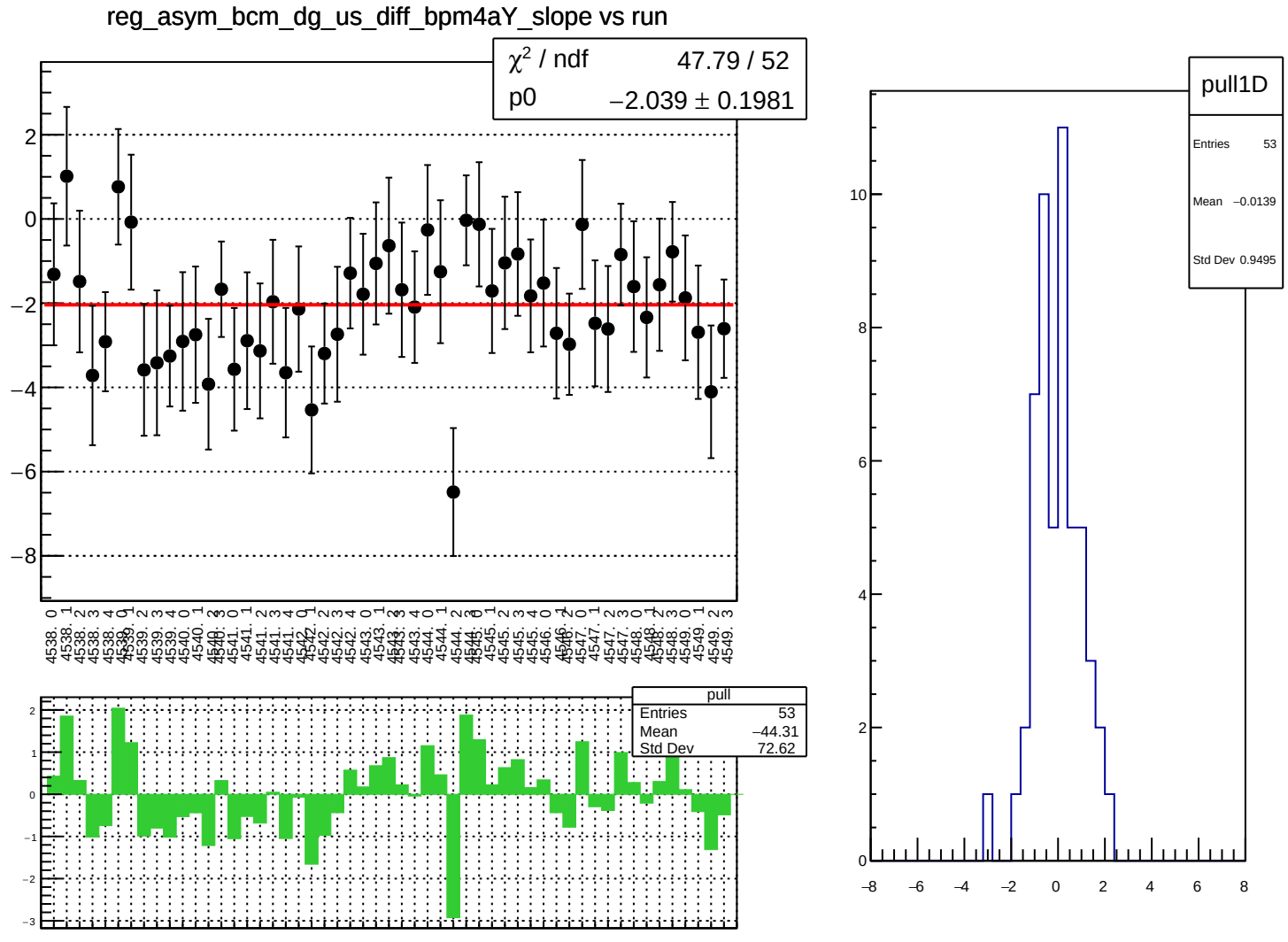

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 44.07 / 52
p0 2.578 ± 0.2725
pull
Entries 53
Mean 15.84
Std Dev 16.33

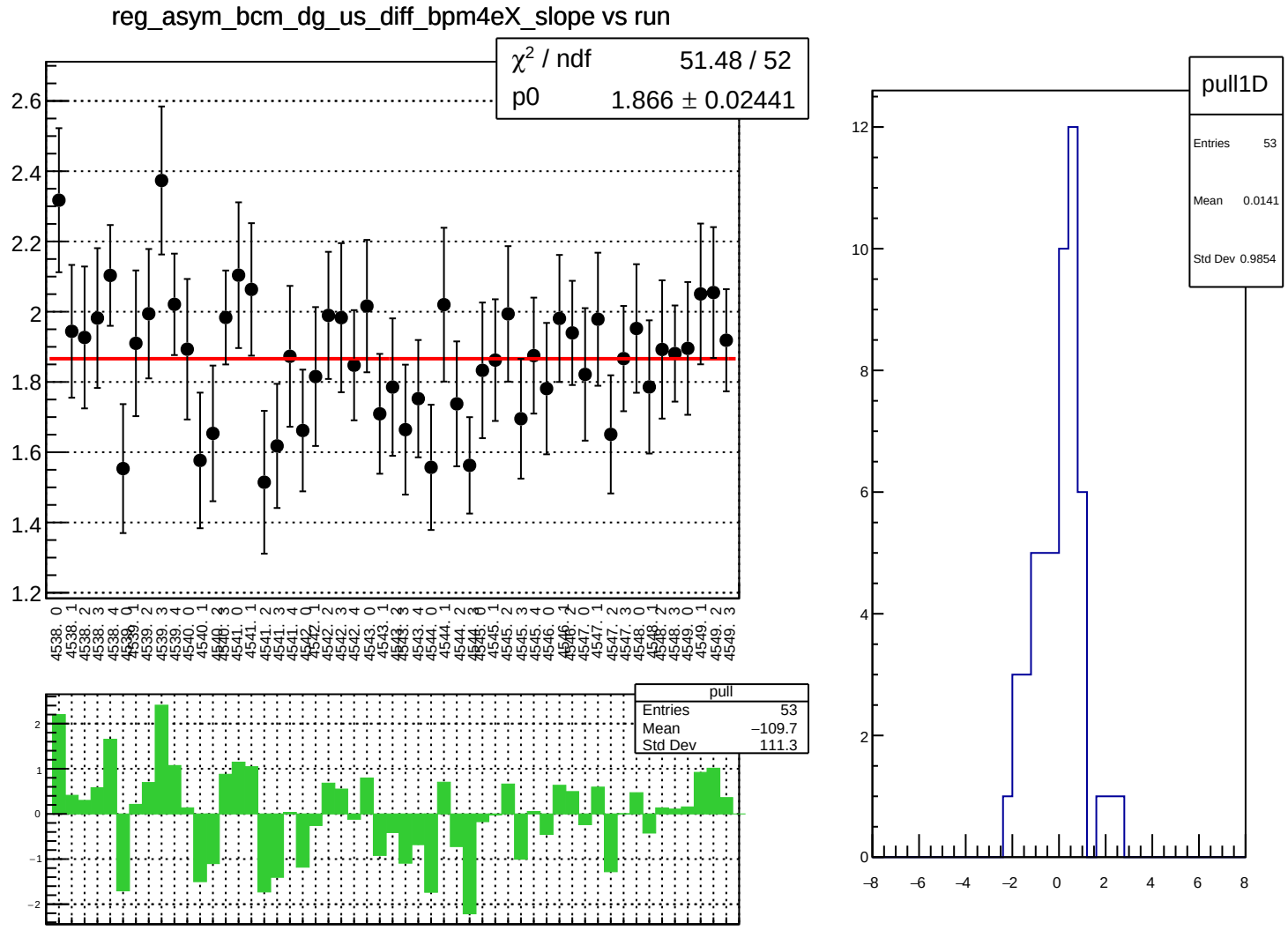

pull1D
Entries 53
Mean 0.01717
Std Dev 0.9117

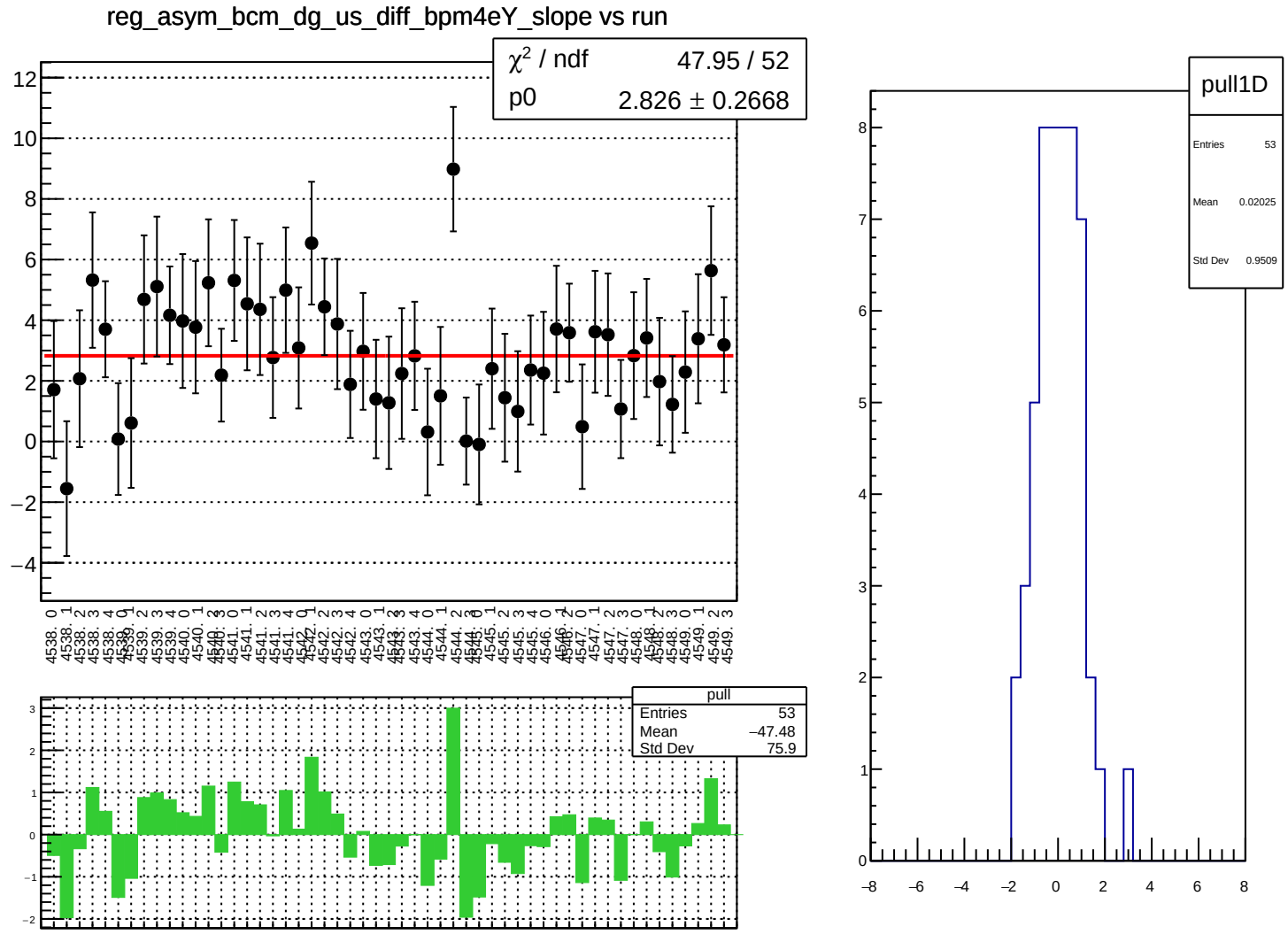

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 40.65 / 52
p0 0.5429 ± 0.04613
pull
Entries 53
Mean 253.1
Std Dev 224.1

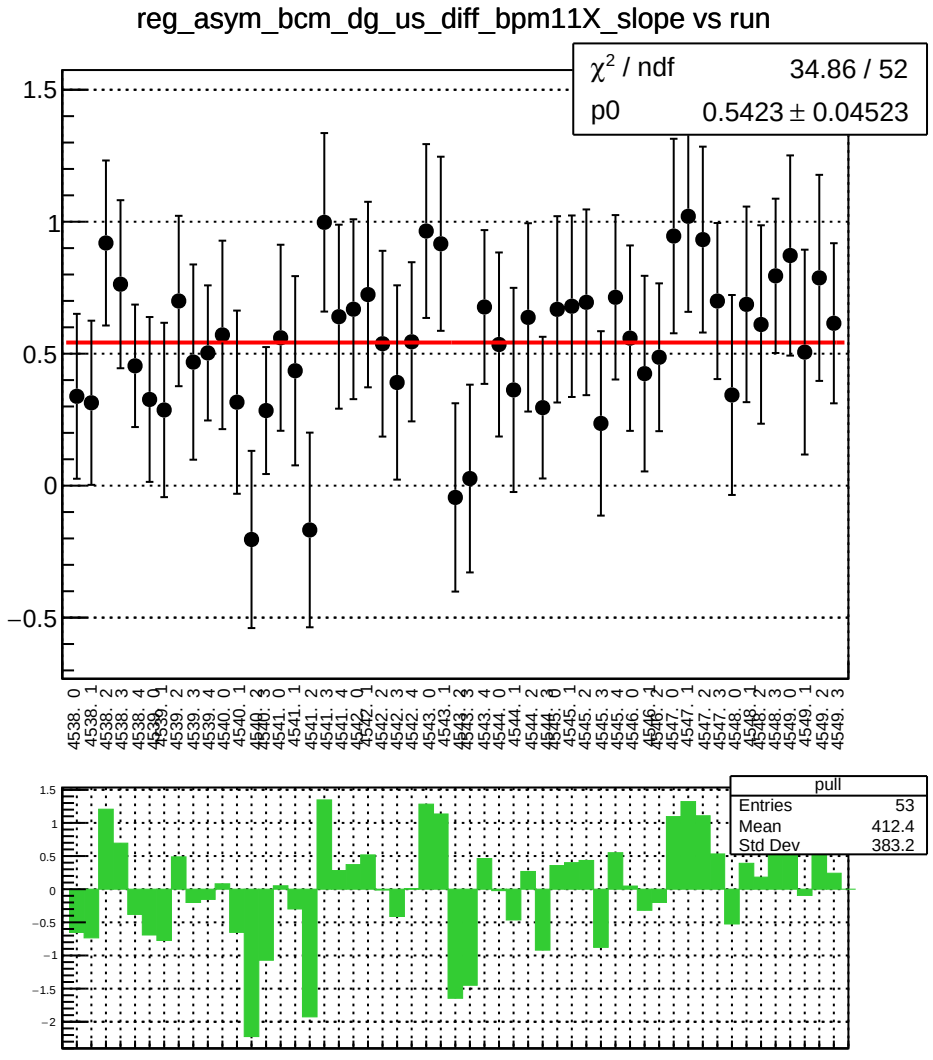

pull1D
Entries 53
Mean 0.01778
Std Dev 0.8756

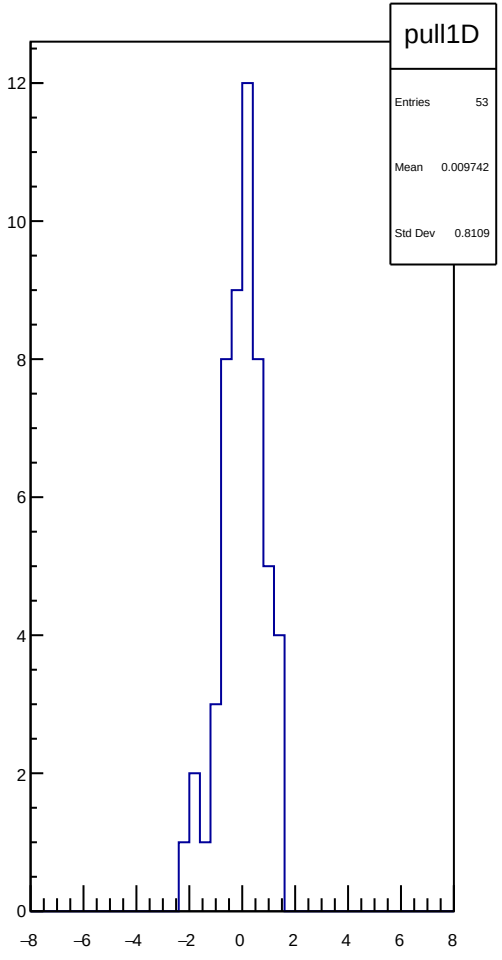

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 73.57 / 52
p0 −3.952 ± 0.1489
pull
Entries 53
Mean −46.33
Std Dev 64.14
pull1D
Entries 53
Mean −0.03958
Std Dev 1.178

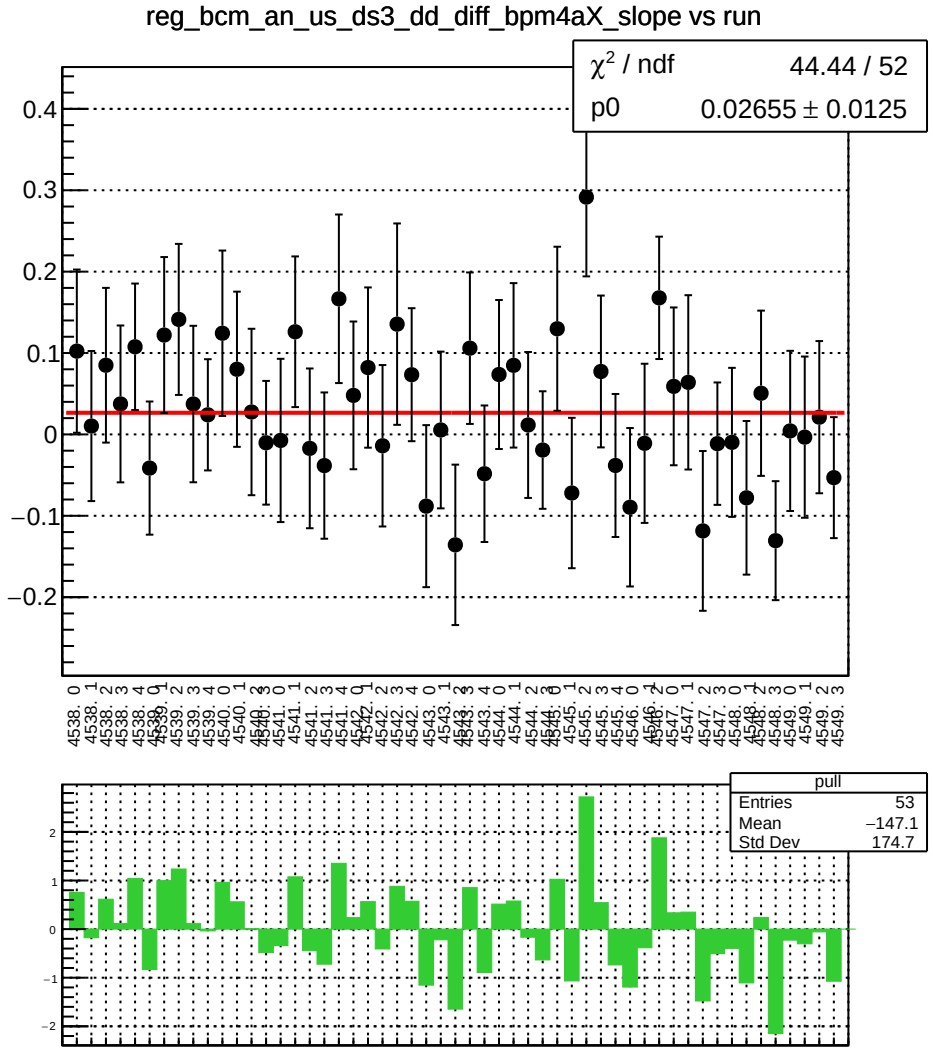

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 47.79 / 52
p0 −2.039 ± 0.1981
pull
Entries 53
Mean −44.31
Std Dev 72.62
pull1D
Entries 53
Mean −0.0139
Std Dev 0.9495

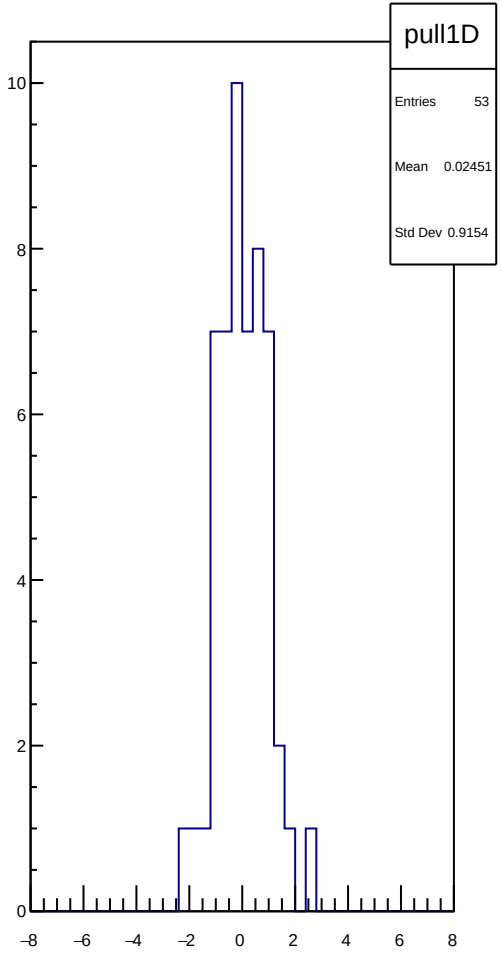

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 51.48 / 52
p0 1.866 ± 0.02441
pull
Entries 53
Mean −109.7
Std Dev 111.3
pull1D
Entries 53
Mean 0.0141
Std Dev 0.9854

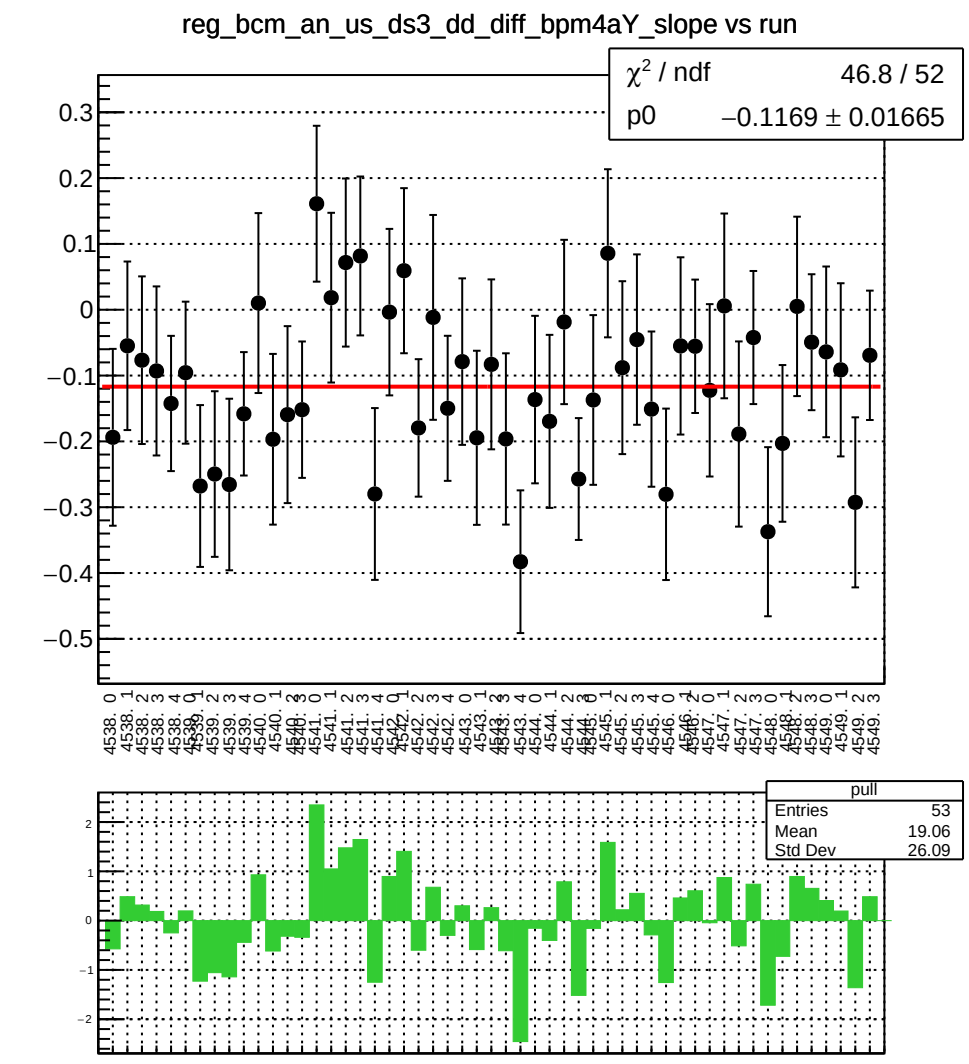

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 47.95 / 52
p0 2.826 ± 0.2668
pull
Entries 53
Mean −47.48
Std Dev 75.9
pull1D
Entries 53
Mean 0.02025
Std Dev 0.9509

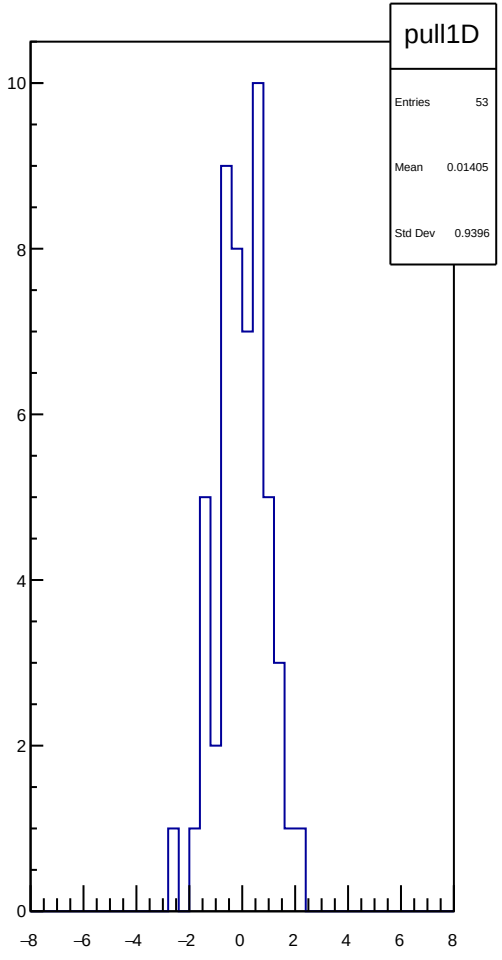

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 34.86 / 52
p0 0.5423 ± 0.04523
pull
Entries 53
Mean 412.4
Std Dev 383.2

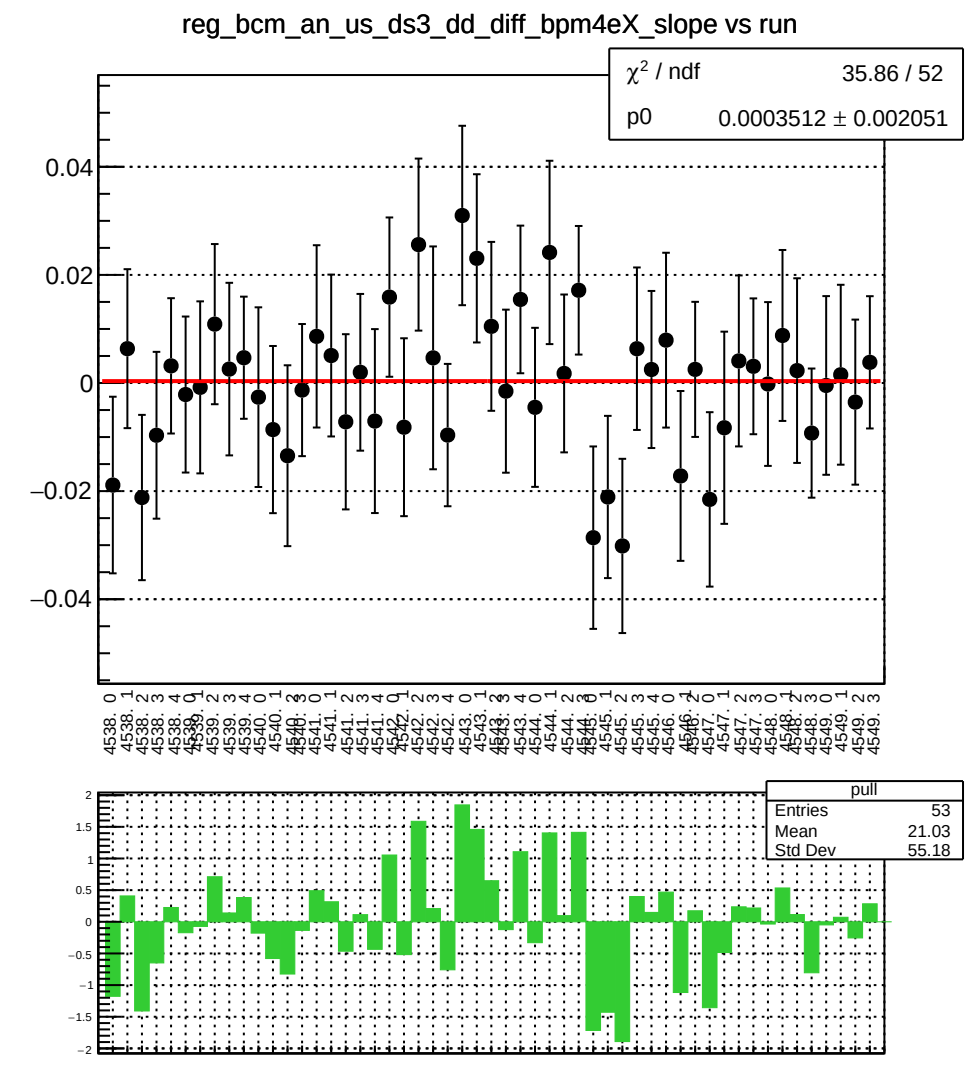

pull1D
Entries 53
Mean 0.009742
Std Dev 0.8109

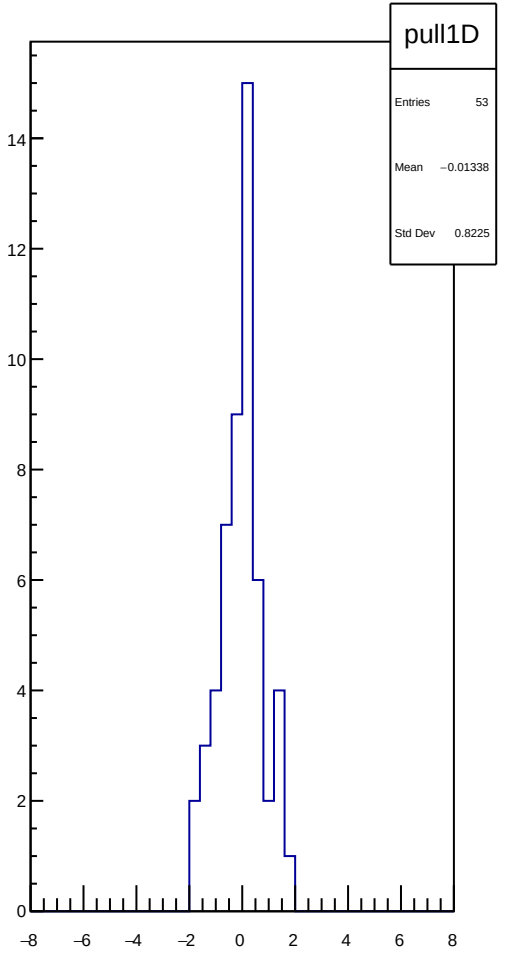

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 44.44 / 52
p0 0.02655 ± 0.0125
pull
Entries 53
Mean −147.1
Std Dev 174.7

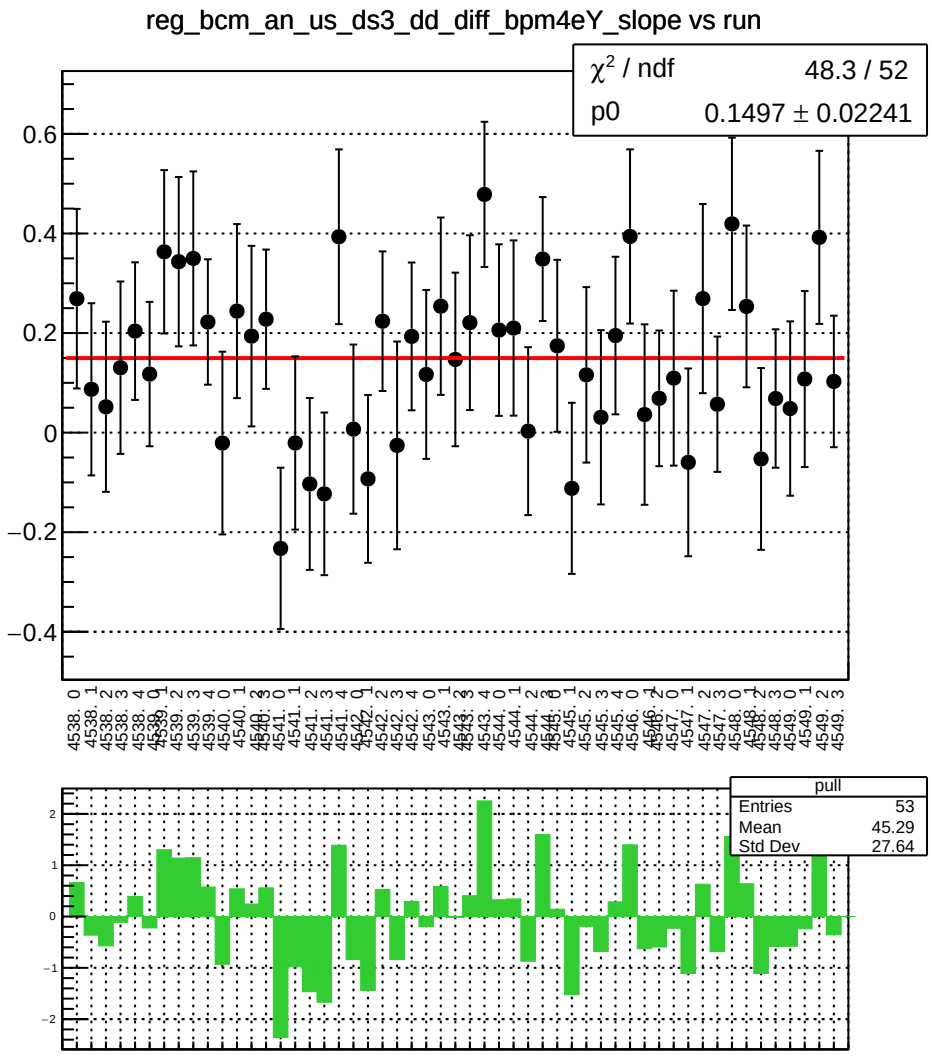

pull1D
Entries 53
Mean 0.02451
Std Dev 0.9154

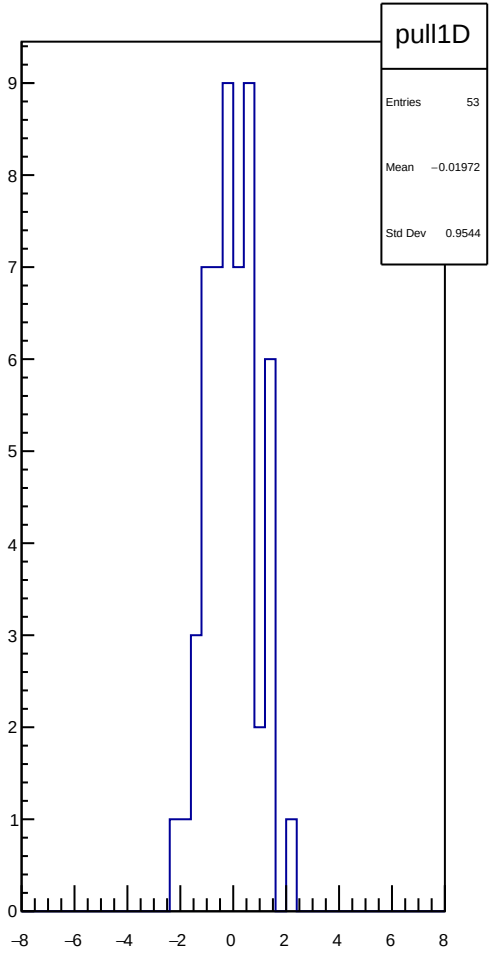

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.8 / 52
p0 −0.1169 ± 0.01665
pull
Entries 53
Mean 19.06
Std Dev 26.09

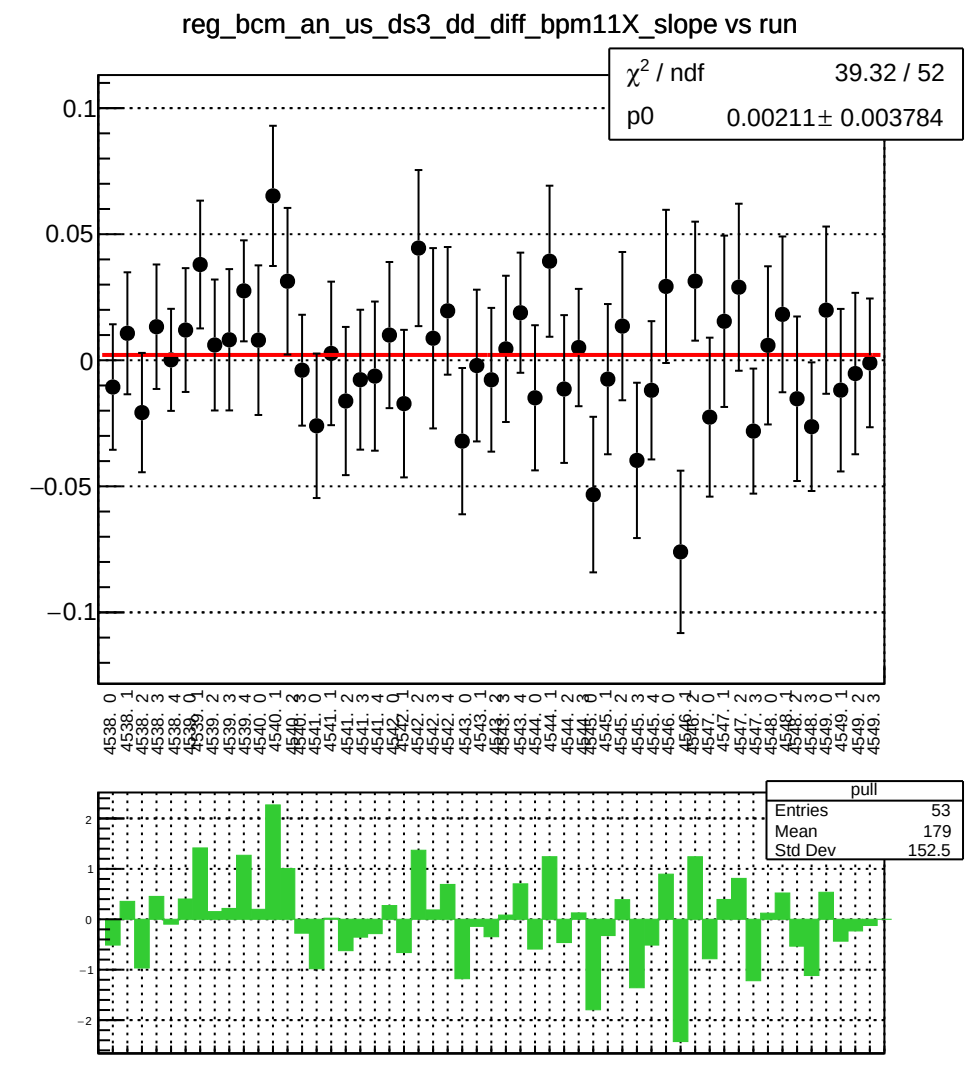

pull1D
Entries 53
Mean 0.01405
Std Dev 0.9396

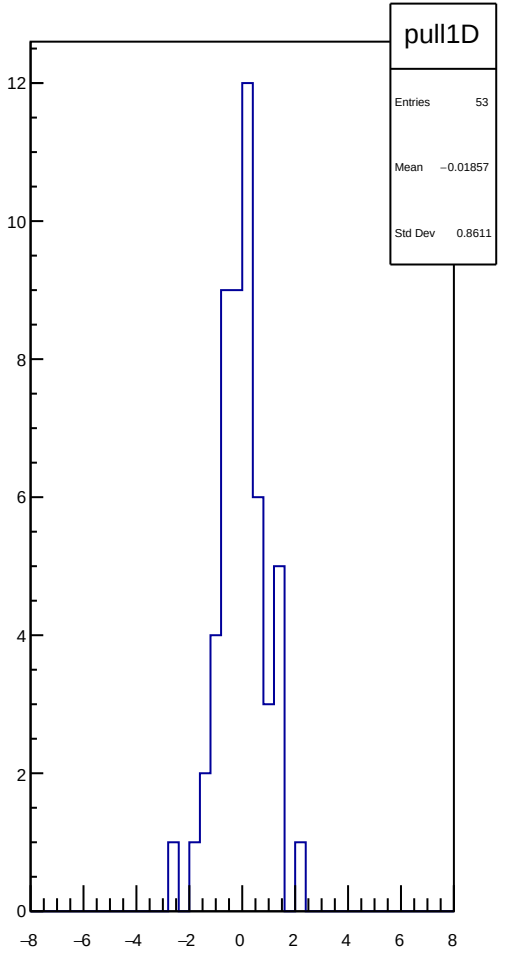

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 35.86 / 52
p0 0.0003512 ± 0.002051
0.04
0.02
0
−0.02
−0.04
pull
Entries 53
Mean 21.03
Std Dev 55.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

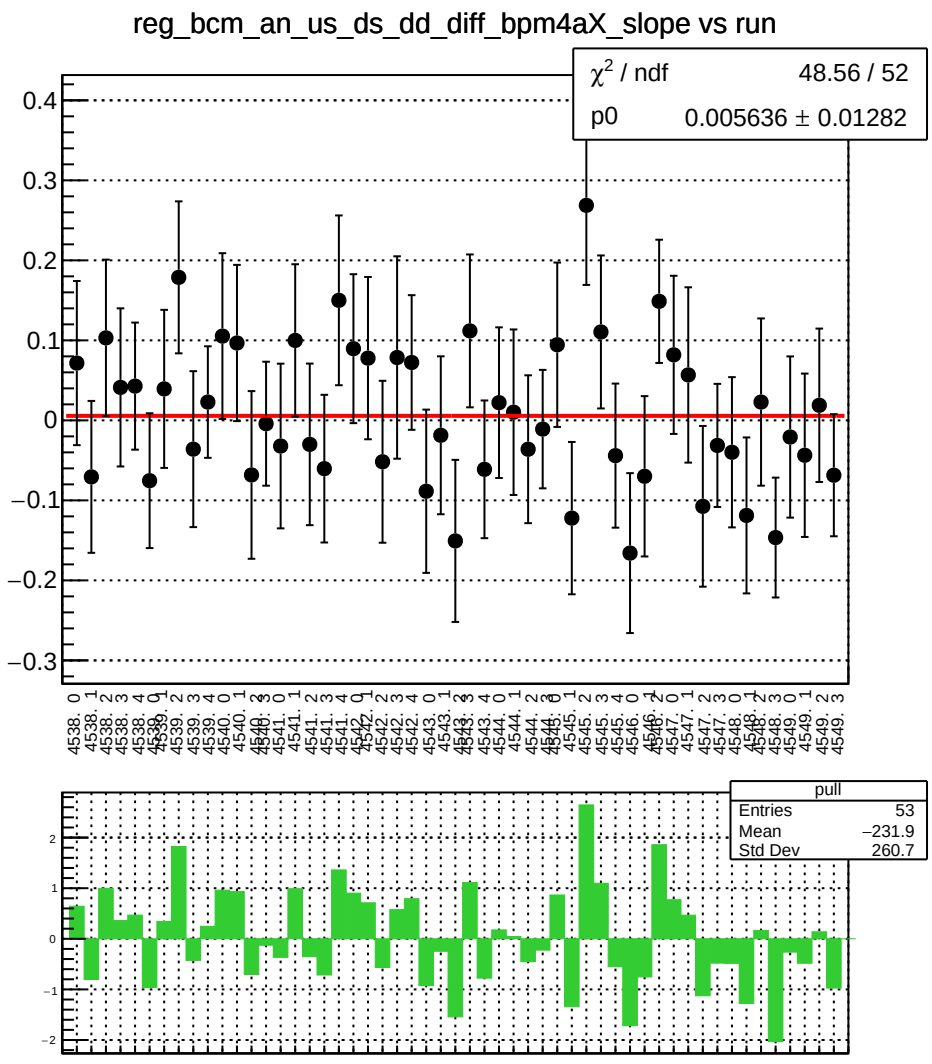

pull1D
Entries 53
Mean −0.01338
Std Dev 0.8225
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

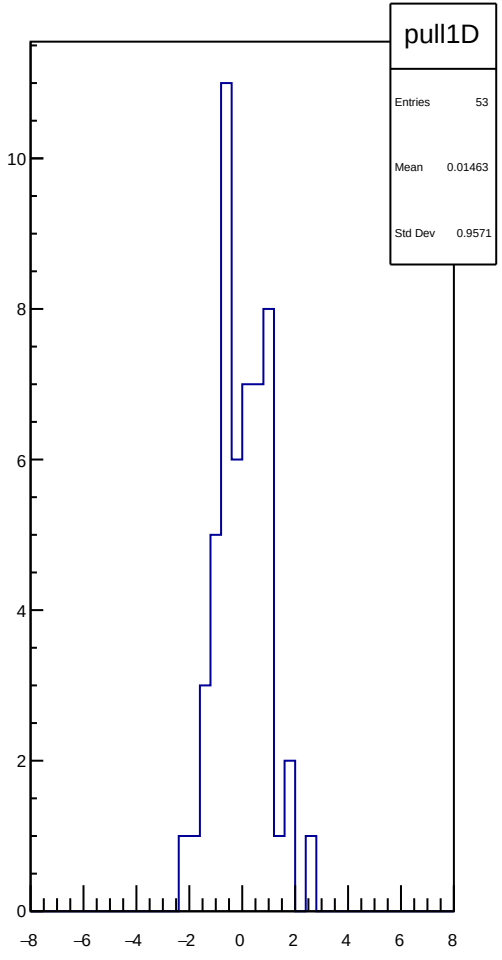

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.3 / 52
p0 0.1497 ± 0.02241
pull
Entries 53
Mean 45.29
Std Dev 27.64

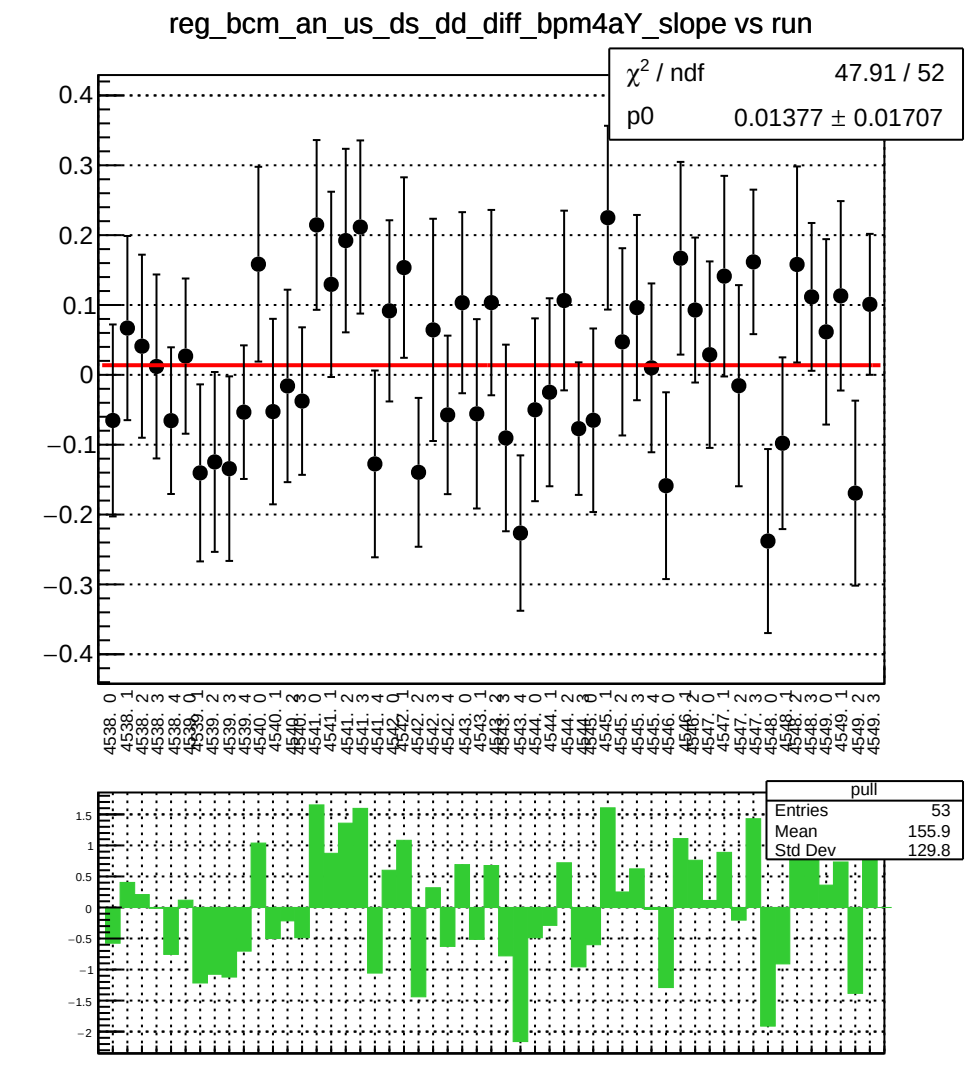

pull1D
Entries 53
Mean −0.01972
Std Dev 0.9544

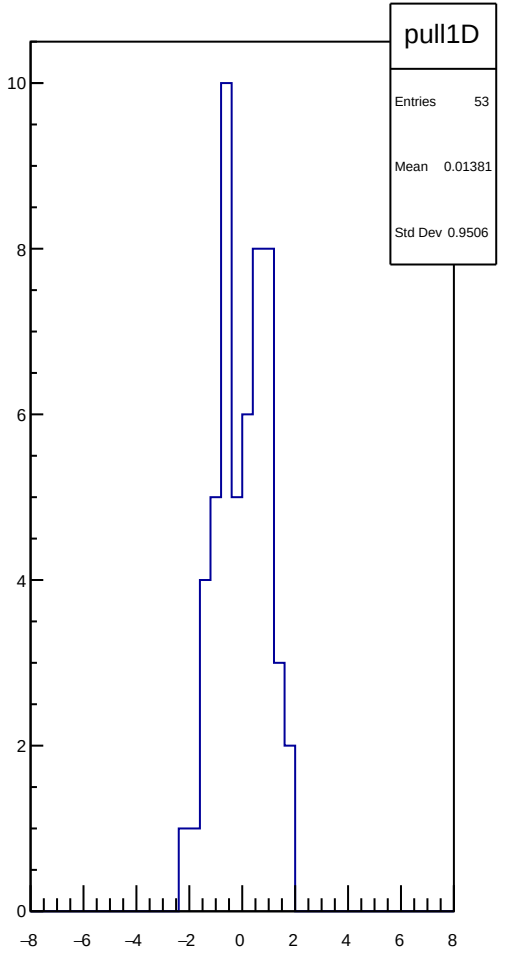

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 39.32 / 52
p0 0.00211± 0.003784
0.1
0.05
0
−0.05
−0.1
pull
Entries 53
Mean 179
Std Dev 152.5
2
1
0
−1
−2

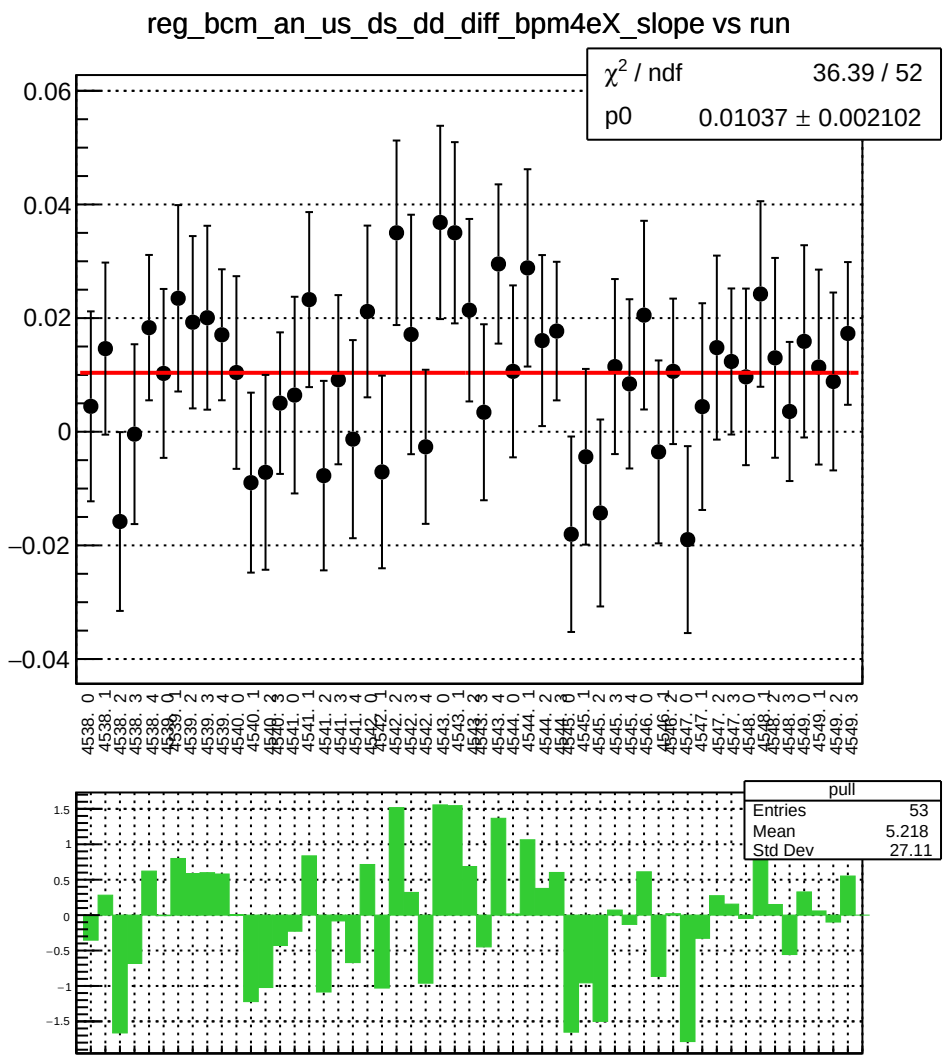

pull1D
Entries 53
Mean −0.01857
Std Dev 0.8611
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

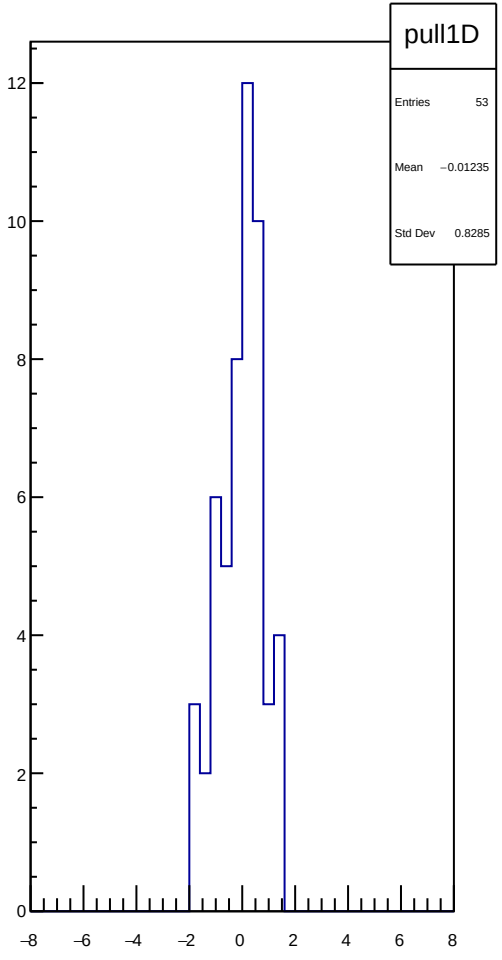

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 48.56 / 52
p0 0.005636 ± 0.01282
pull
Entries 53
Mean −231.9
Std Dev 260.7

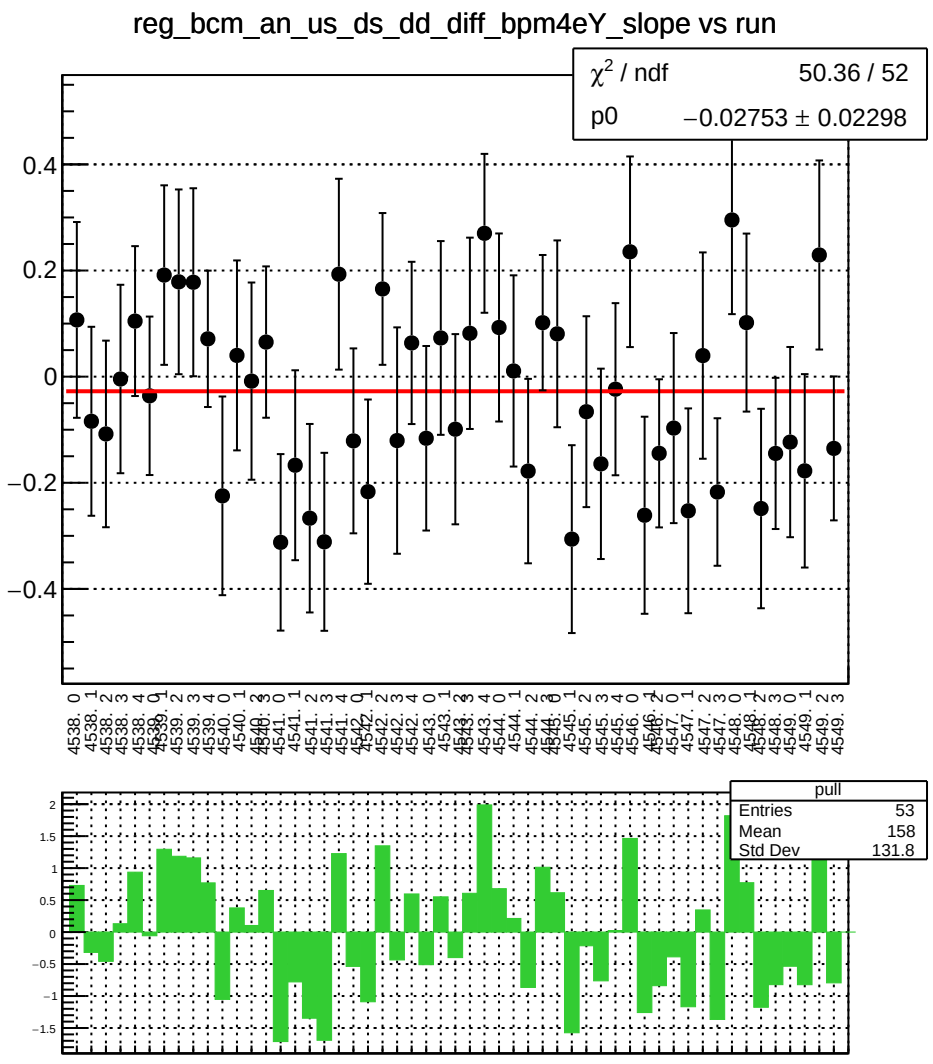

pull1D
Entries 53
Mean 0.01463
Std Dev 0.9571

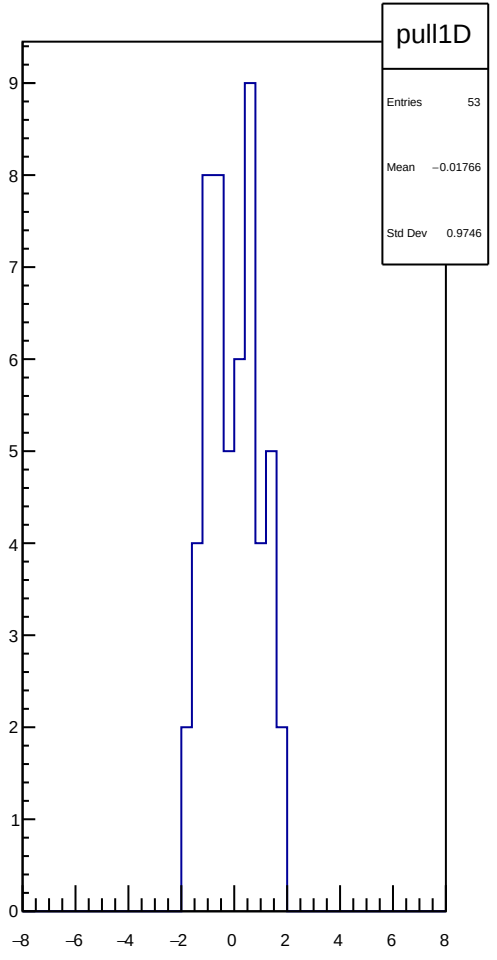

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.91 / 52
p0 0.01377 ± 0.01707
pull
Entries 53
Mean 155.9
Std Dev 129.8

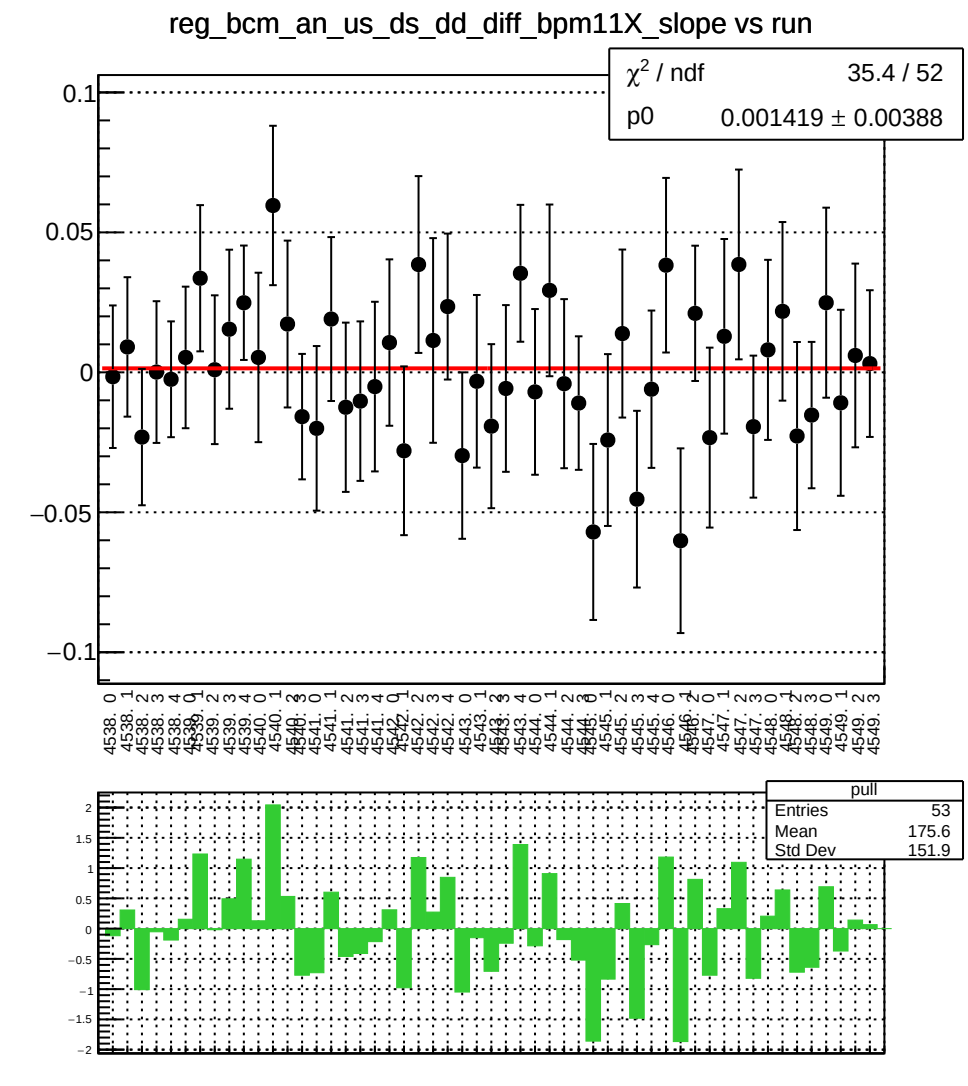

pull1D
Entries 53
Mean 0.01381
Std Dev 0.9506

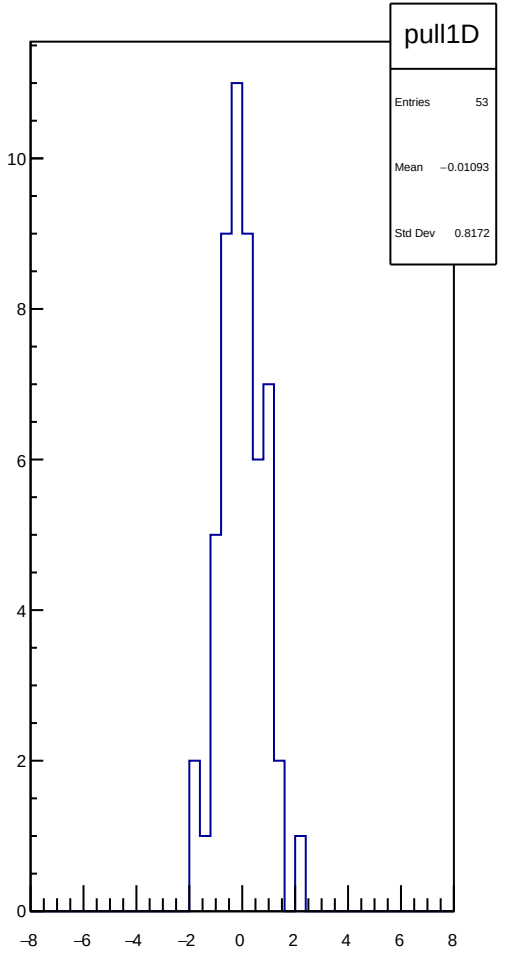

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.39 / 52
p0 0.01037 ± 0.002102
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 53
Mean 5.218
Std Dev 27.11
1.5
1
0.5
0
−0.5
−1
−1.5

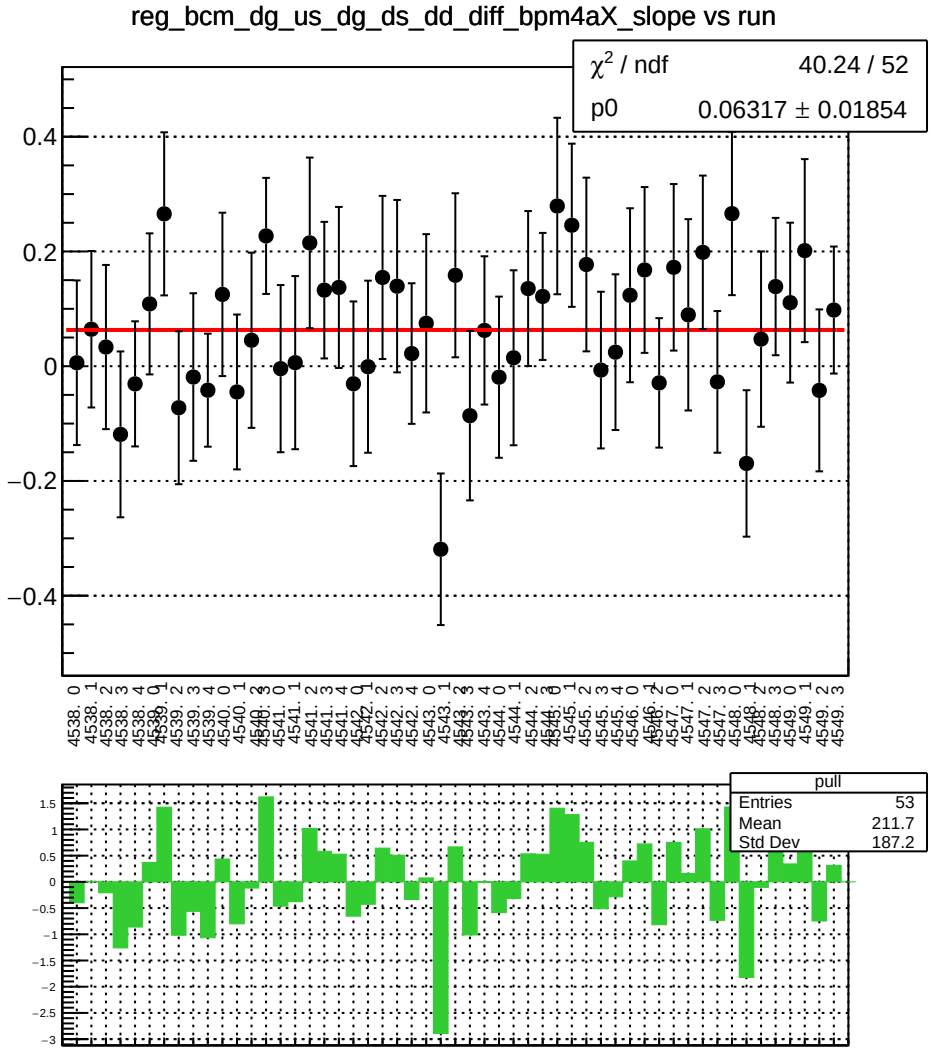

pull1D
Entries 53
Mean −0.01235
Std Dev 0.8285
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

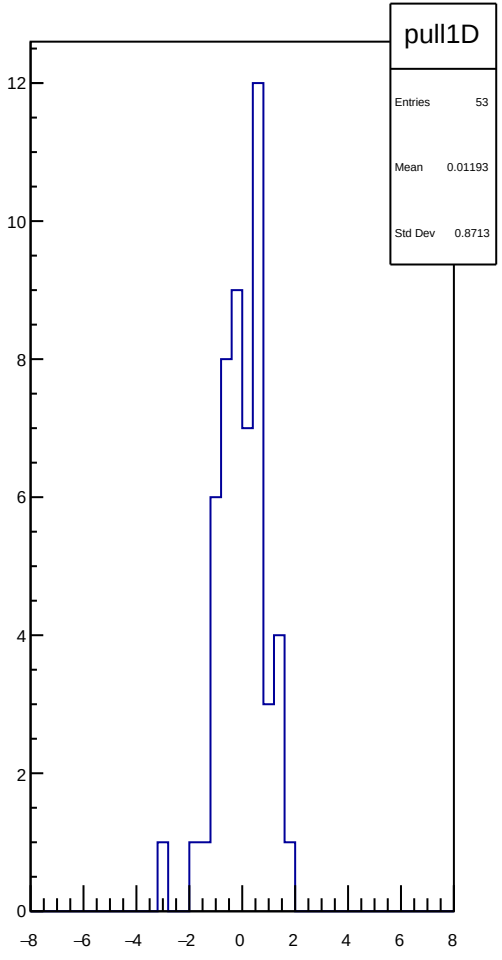

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.36 / 52
p0 −0.02753 ± 0.02298
pull
Entries 53
Mean 158
Std Dev 131.8

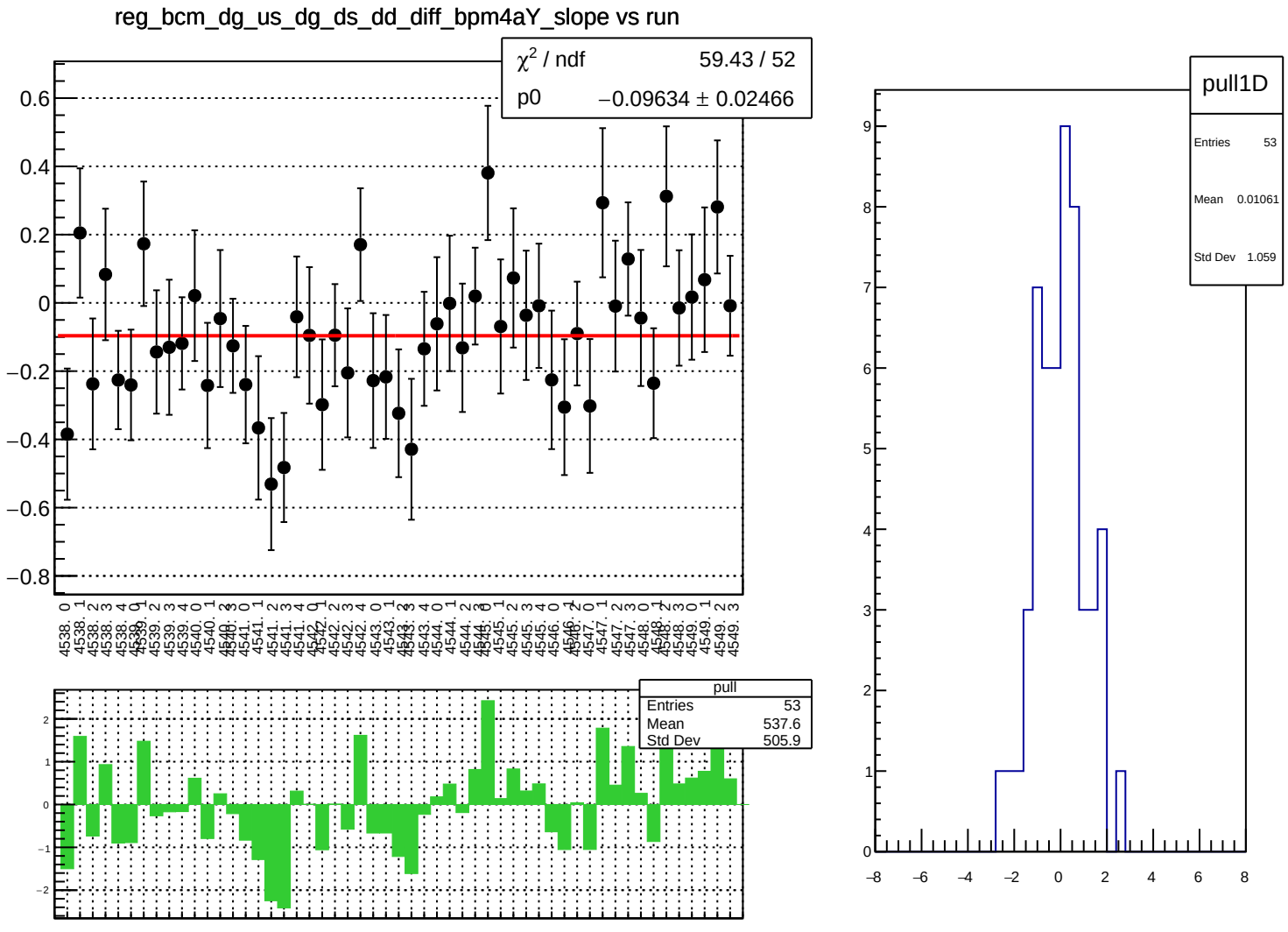

pull1D
Entries 53
Mean −0.01766
Std Dev 0.9746

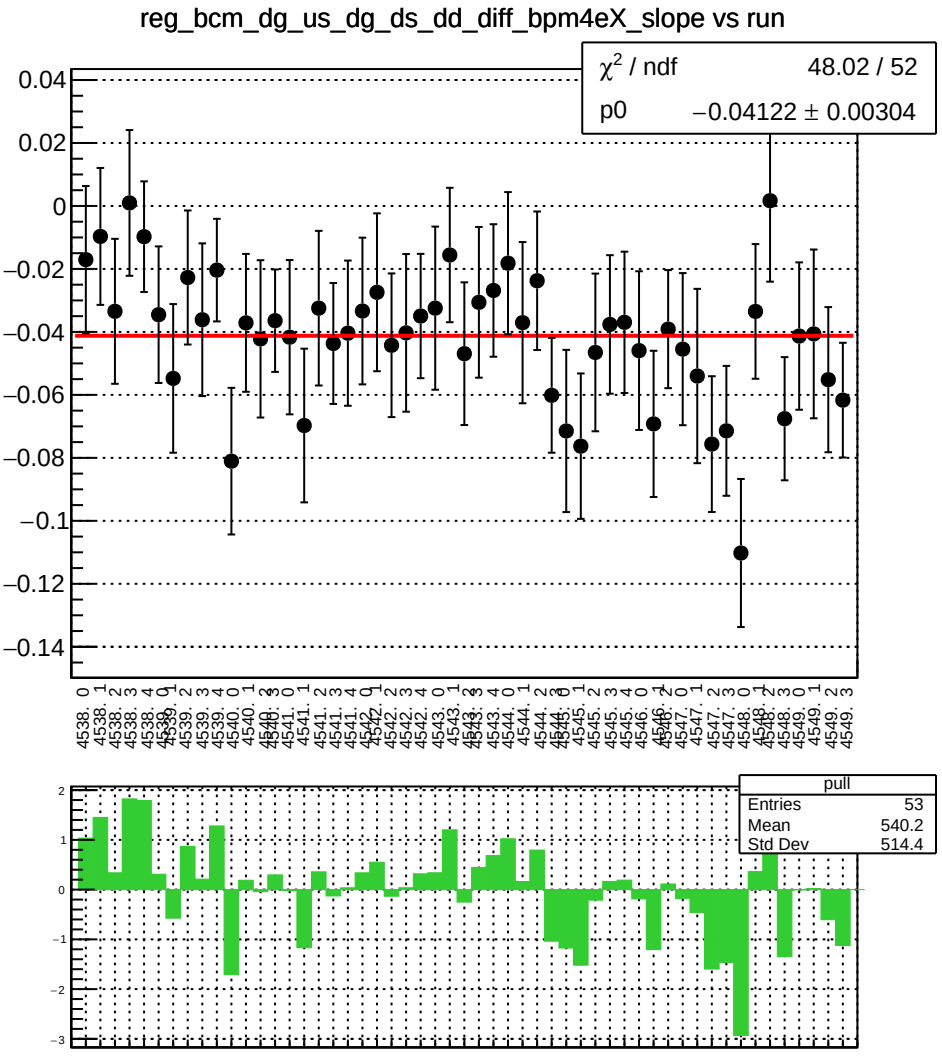

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 35.4 / 52
p0 0.001419 ± 0.00388
pull
Entries 53
Mean 175.6
Std Dev 151.9

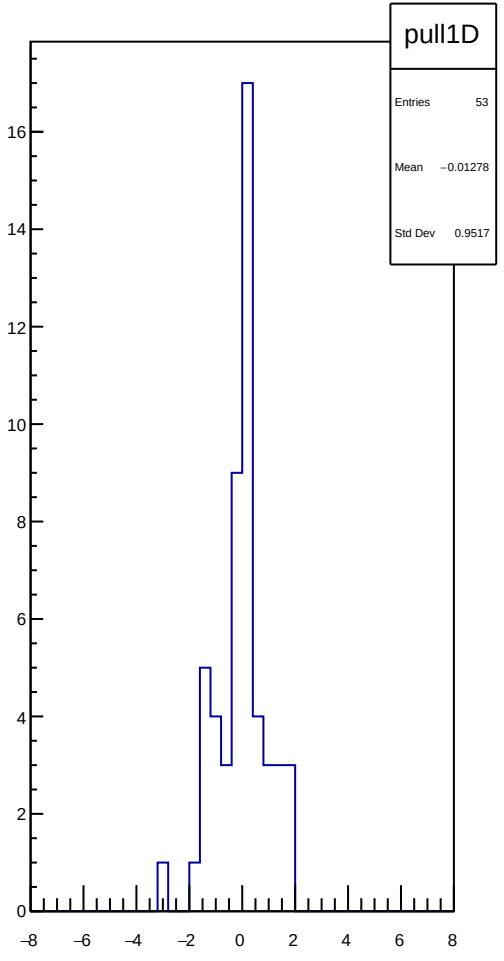

pull1D
Entries 53
Mean −0.01093
Std Dev 0.8172

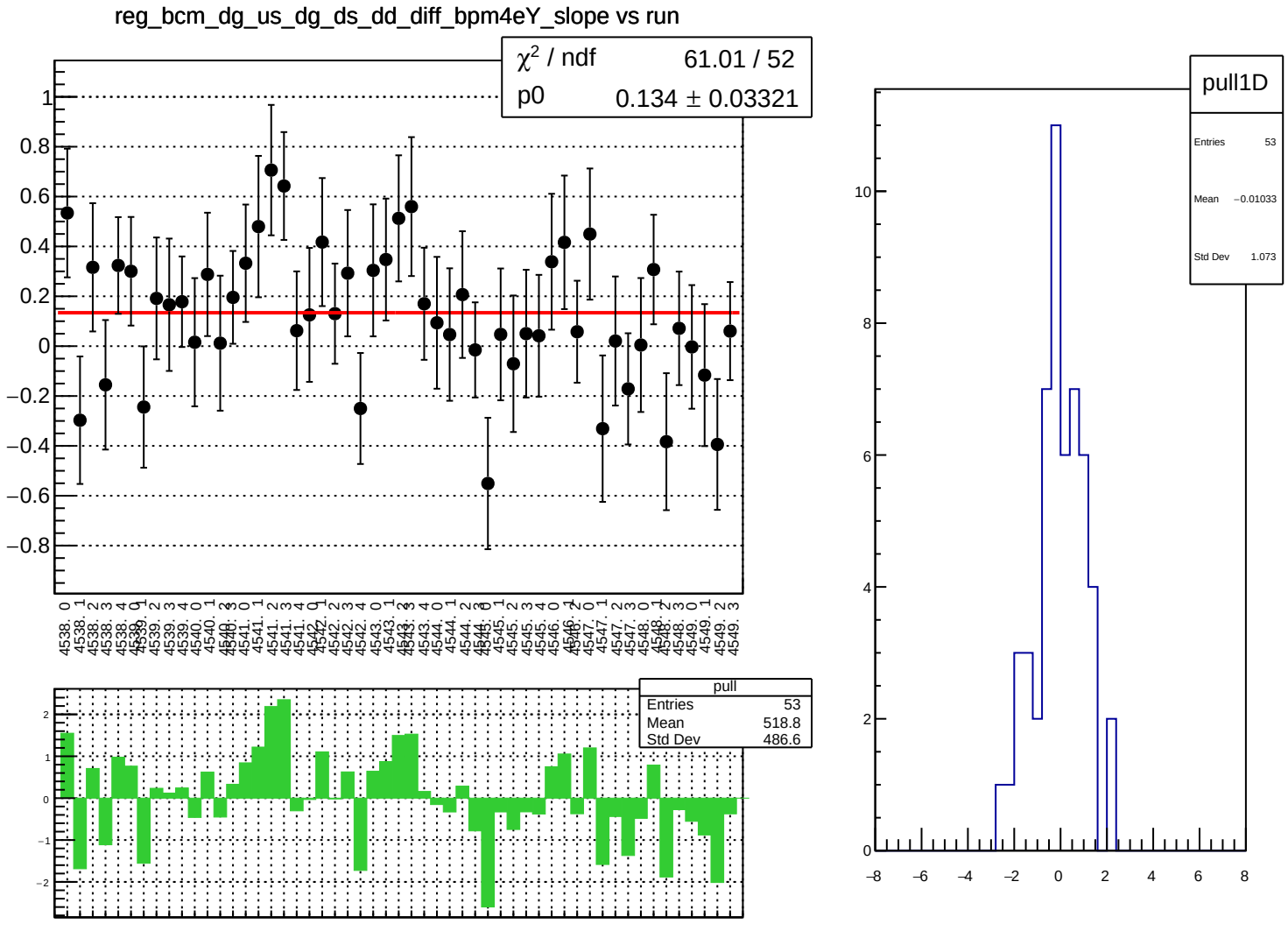

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 40.24 / 52
p0 0.06317 ± 0.01854
pull
Entries 53
Mean 211.7
Std Dev 187.2

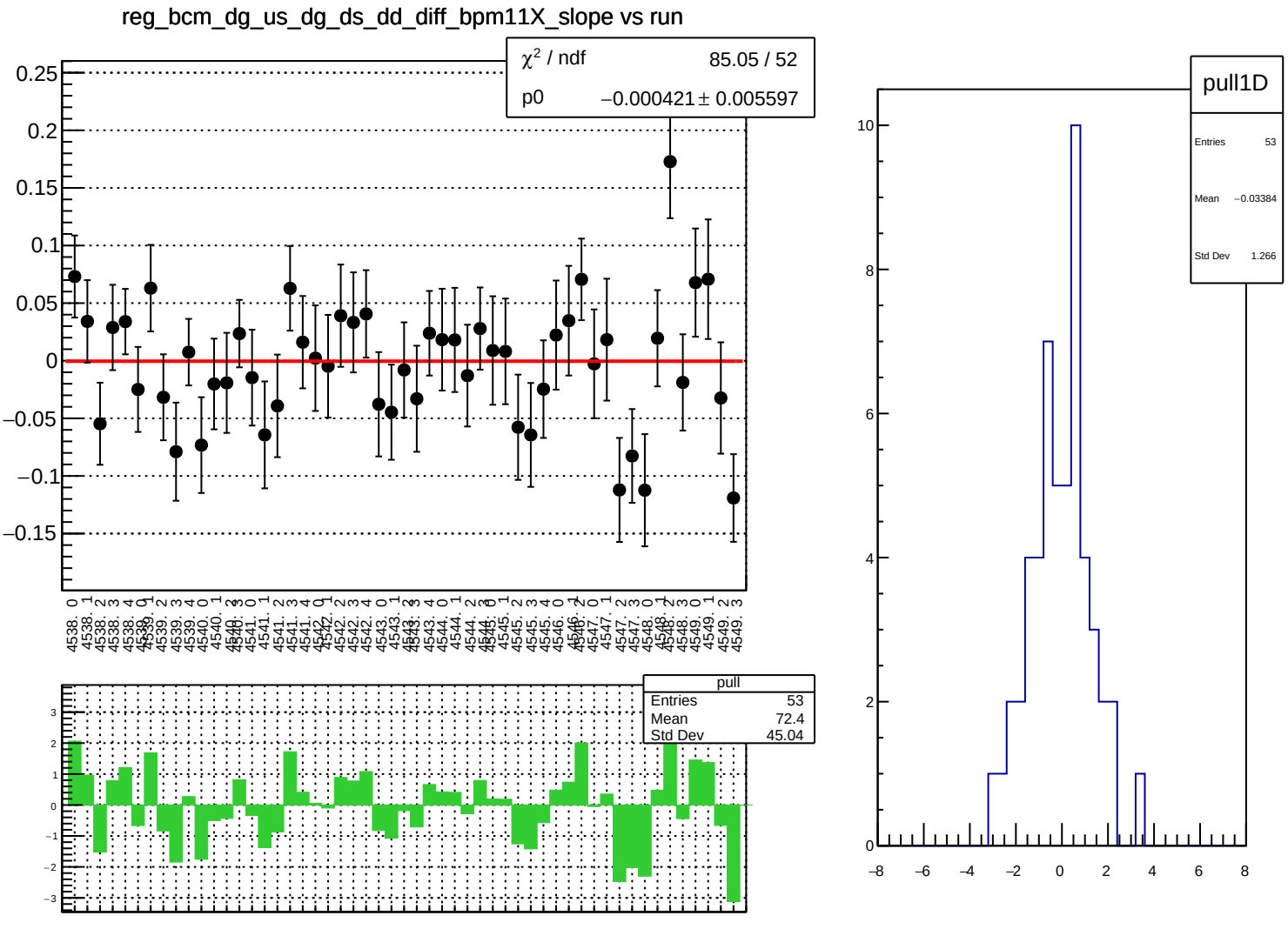

pull1D
Entries 53
Mean 0.01193
Std Dev 0.8713

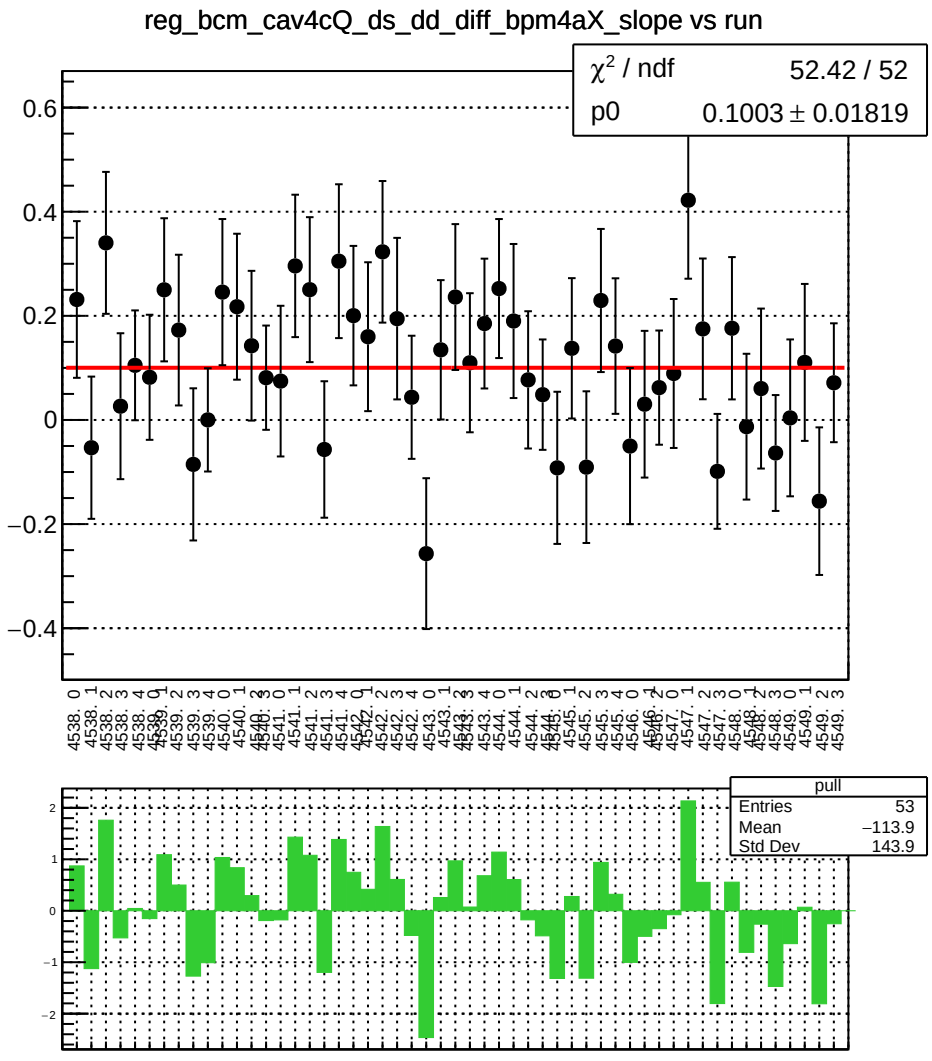

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.43 / 52
p0 −0.09634 ± 0.02466
pull
Entries 53
Mean 537.6
Std Dev 505.9
pull1D
Entries 53
Mean 0.01061
Std Dev 1.059

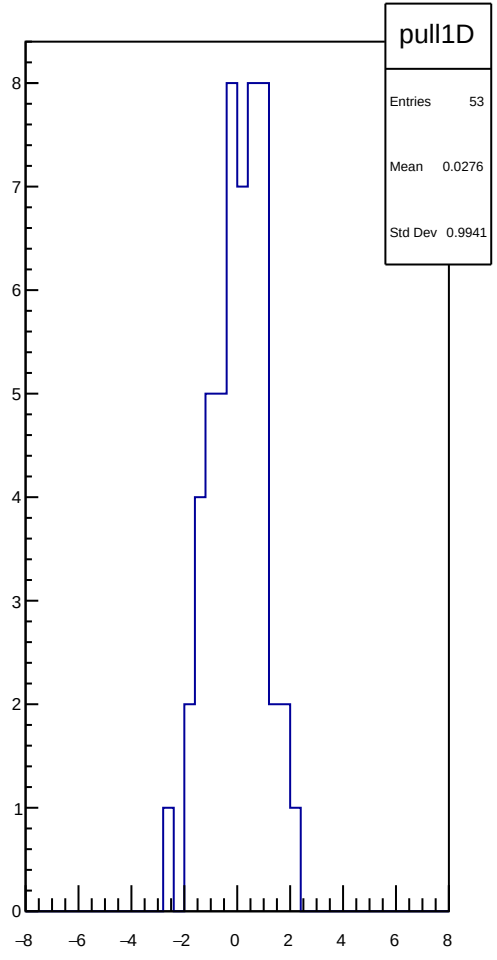

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.02 / 52
p0 −0.04122 ± 0.00304
pull
Entries 53
Mean 540.2
Std Dev 514.4

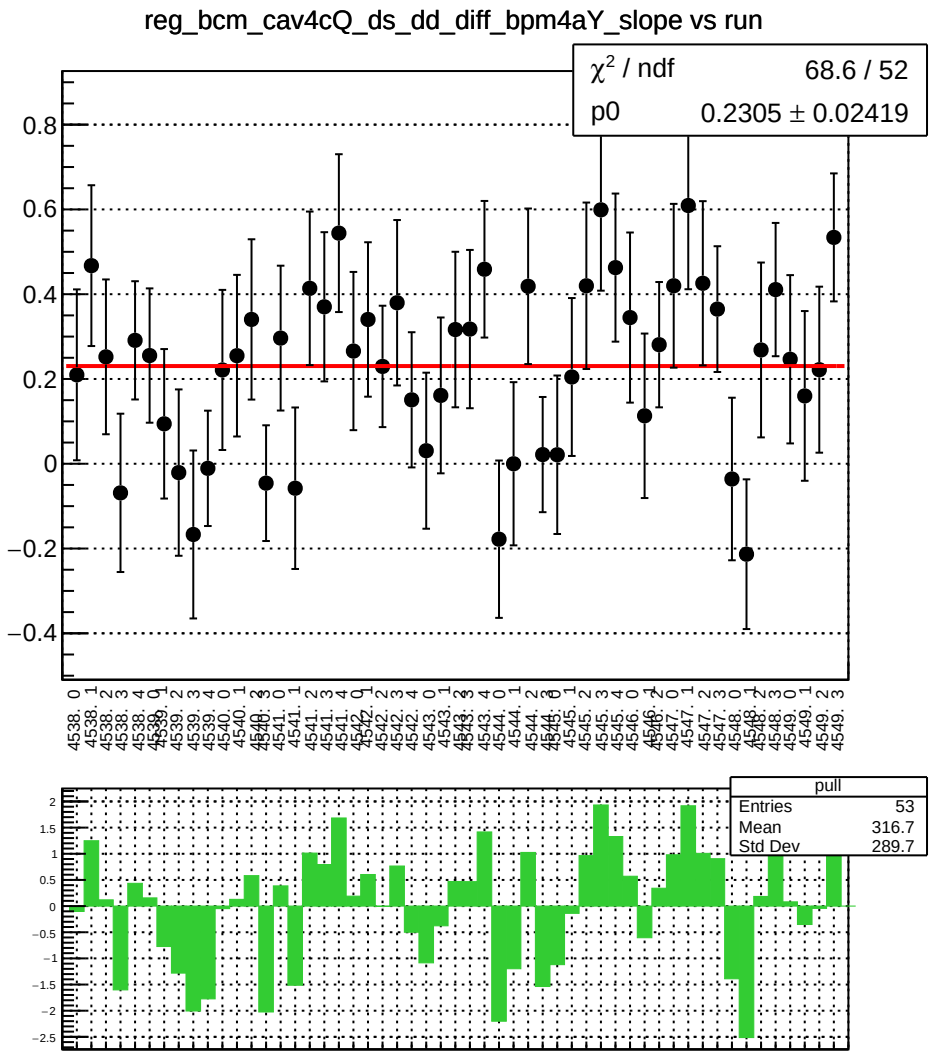

pull1D
Entries 53
Mean −0.01278
Std Dev 0.9517

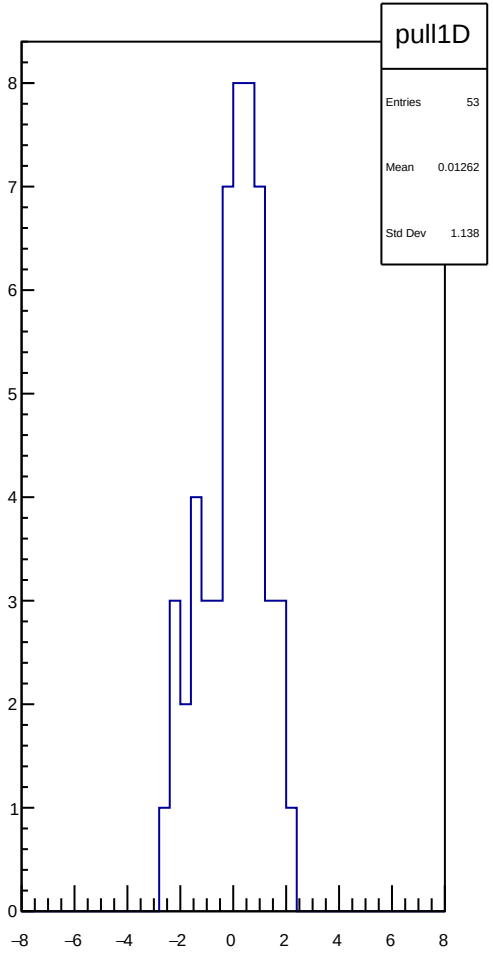

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.01 / 52
p0 0.134 ± 0.03321
pull
Entries 53
Mean 518.8
Std Dev 486.6
pull1D
Entries 53
Mean −0.01033
Std Dev 1.073

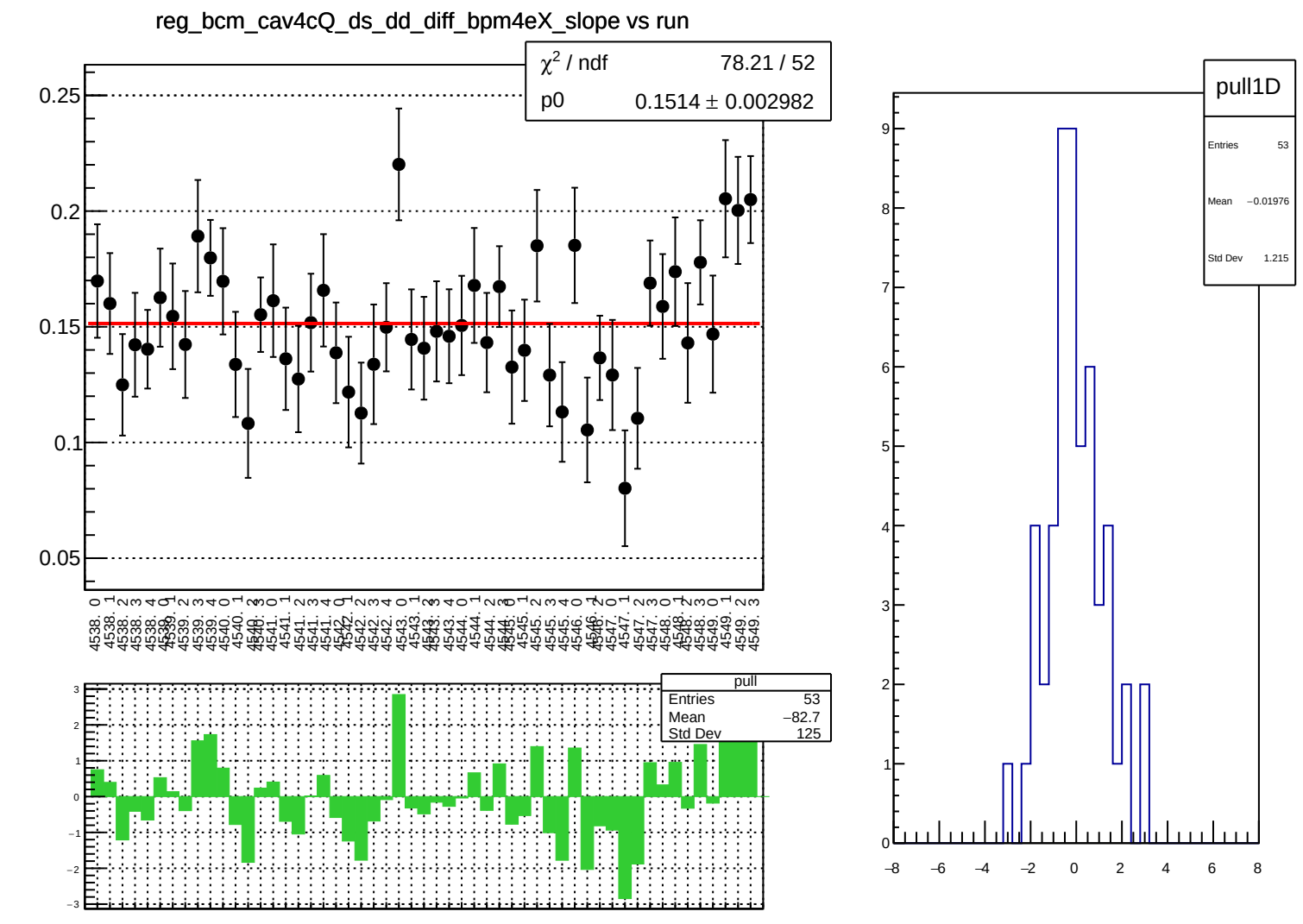

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 85.05 / 52
p0 −0.000421 ± 0.005597
pull
Entries 53
Mean 72.4
Std Dev 45.04
pull1D
Entries 53
Mean −0.03384
Std Dev 1.266

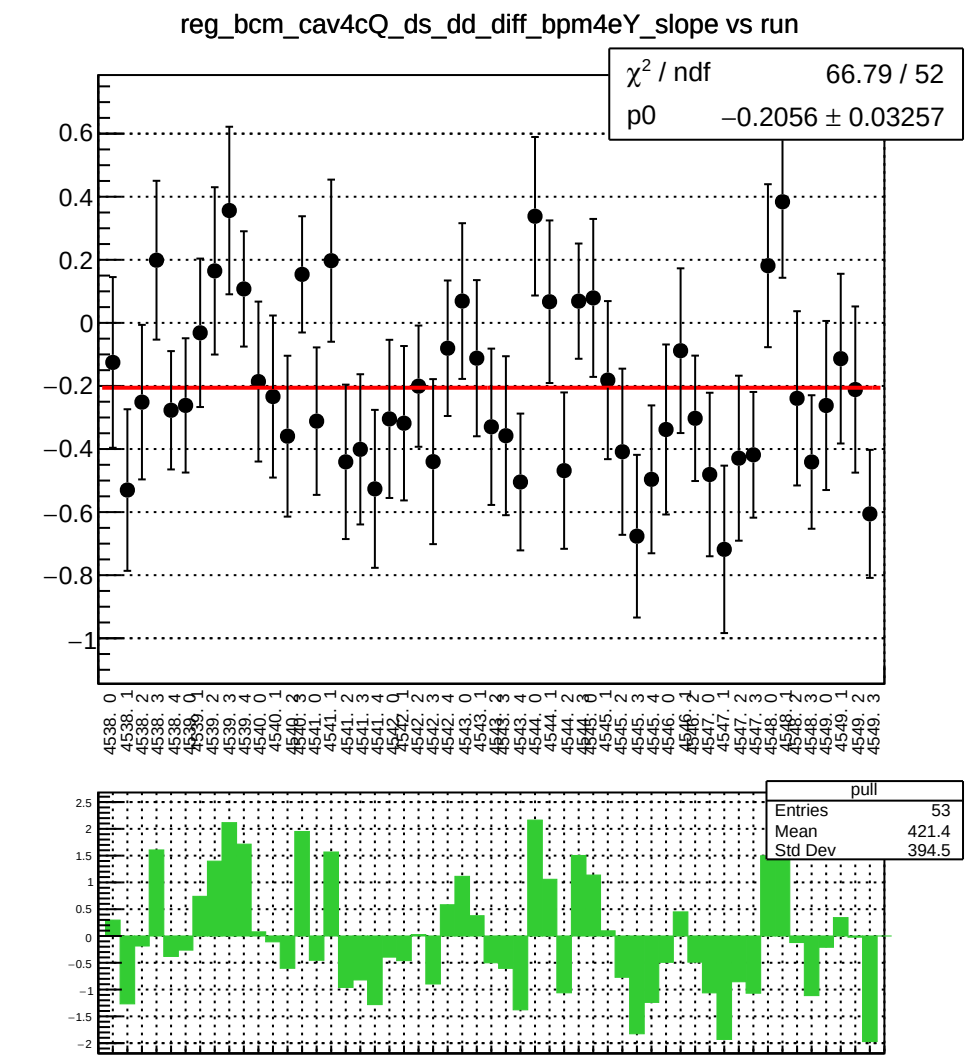

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 52.42 / 52
p0 0.1003 ± 0.01819
pull
Entries 53
Mean −113.9
Std Dev 143.9

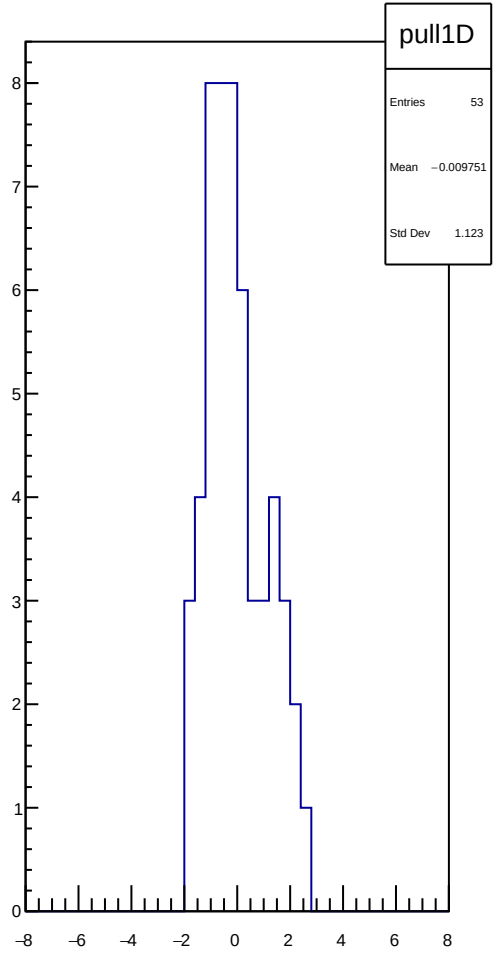

pull1D
Entries 53
Mean 0.0276
Std Dev 0.9941

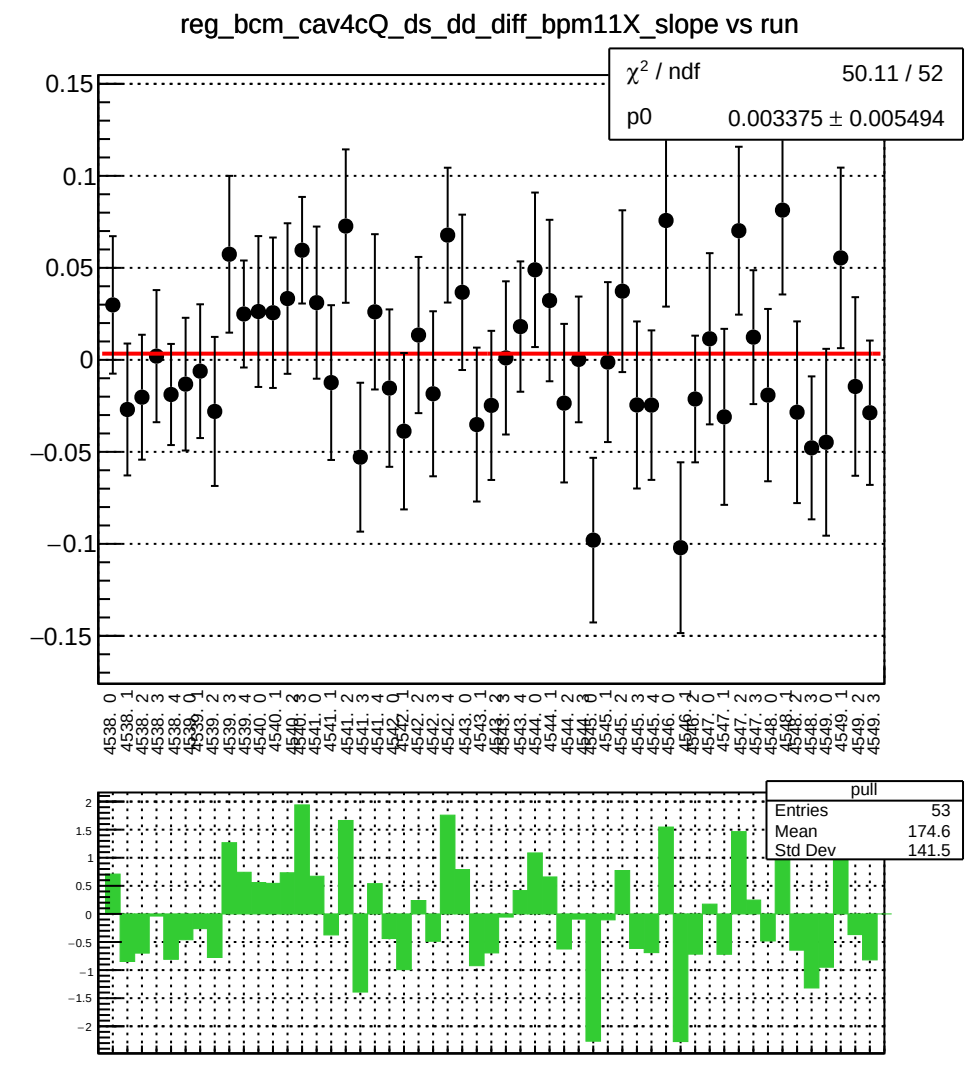

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.6 / 52
p0 0.2305 ± 0.02419
pull
Entries 53
Mean 316.7
Std Dev 289.7

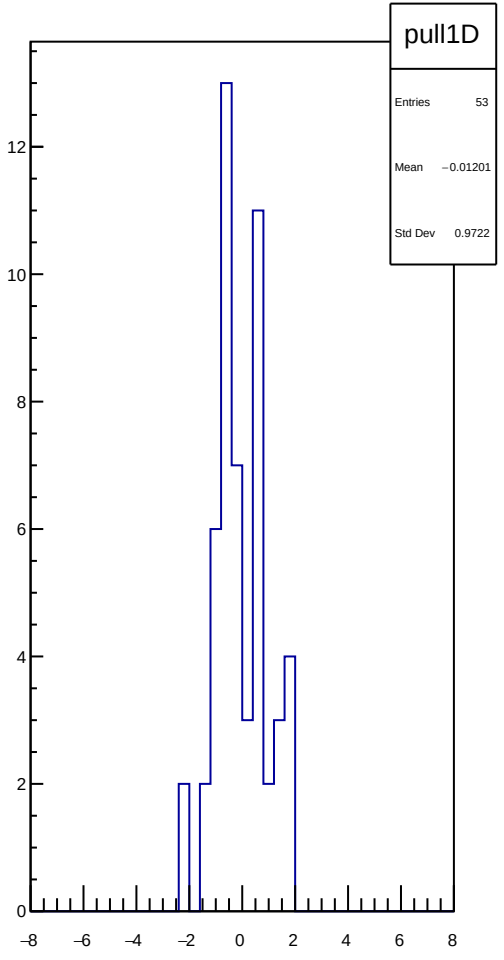

pull1D
Entries 53
Mean 0.01262
Std Dev 1.138

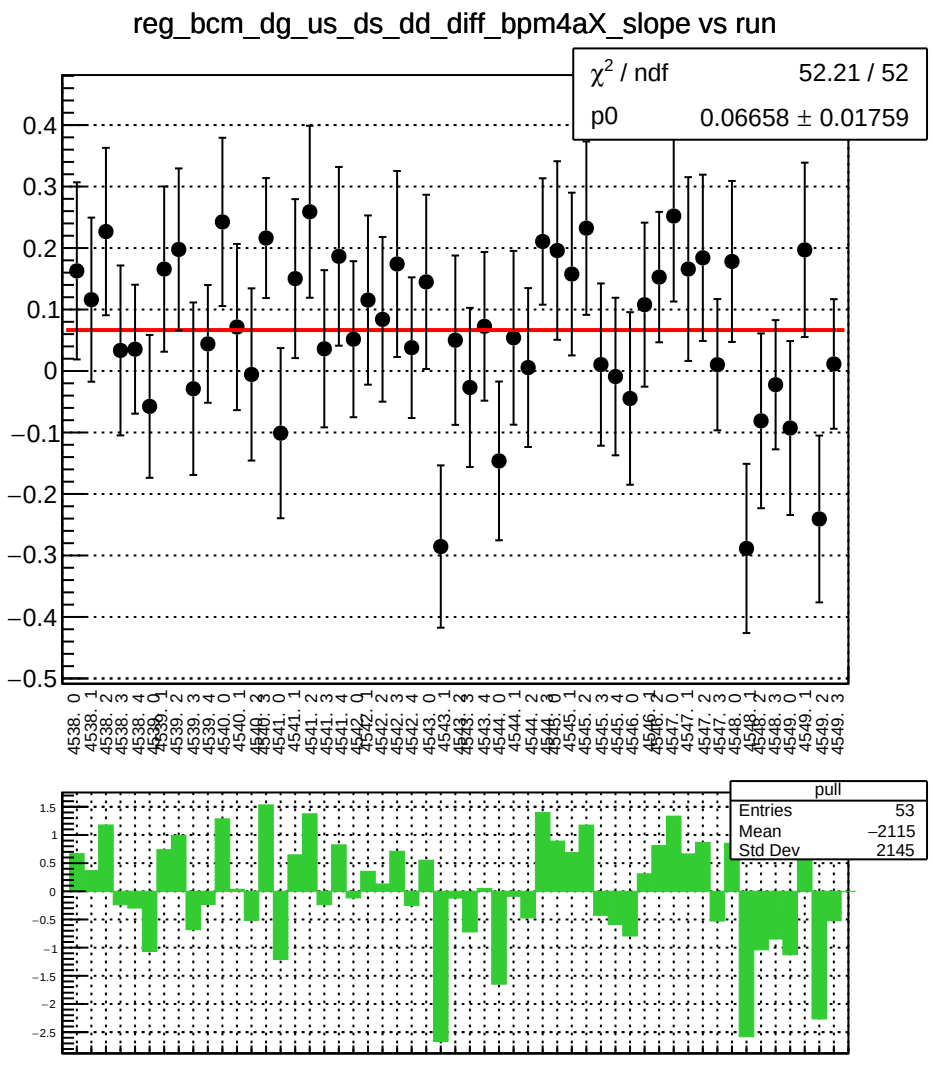

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 78.21 / 52
p0 0.1514 ± 0.002982
0.25
0.2
0.15
0.1
0.05
pull
Entries 53
Mean −82.7
Std Dev 125
pull1D
Entries 53
Mean −0.01976
Std Dev 1.215

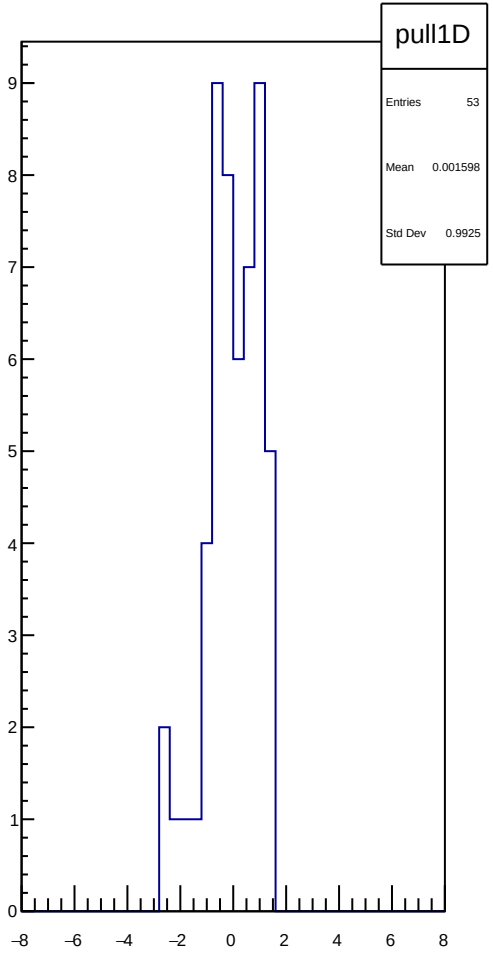

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.79 / 52
p0 −0.2056 ± 0.03257
pull
Entries 53
Mean 421.4
Std Dev 394.5

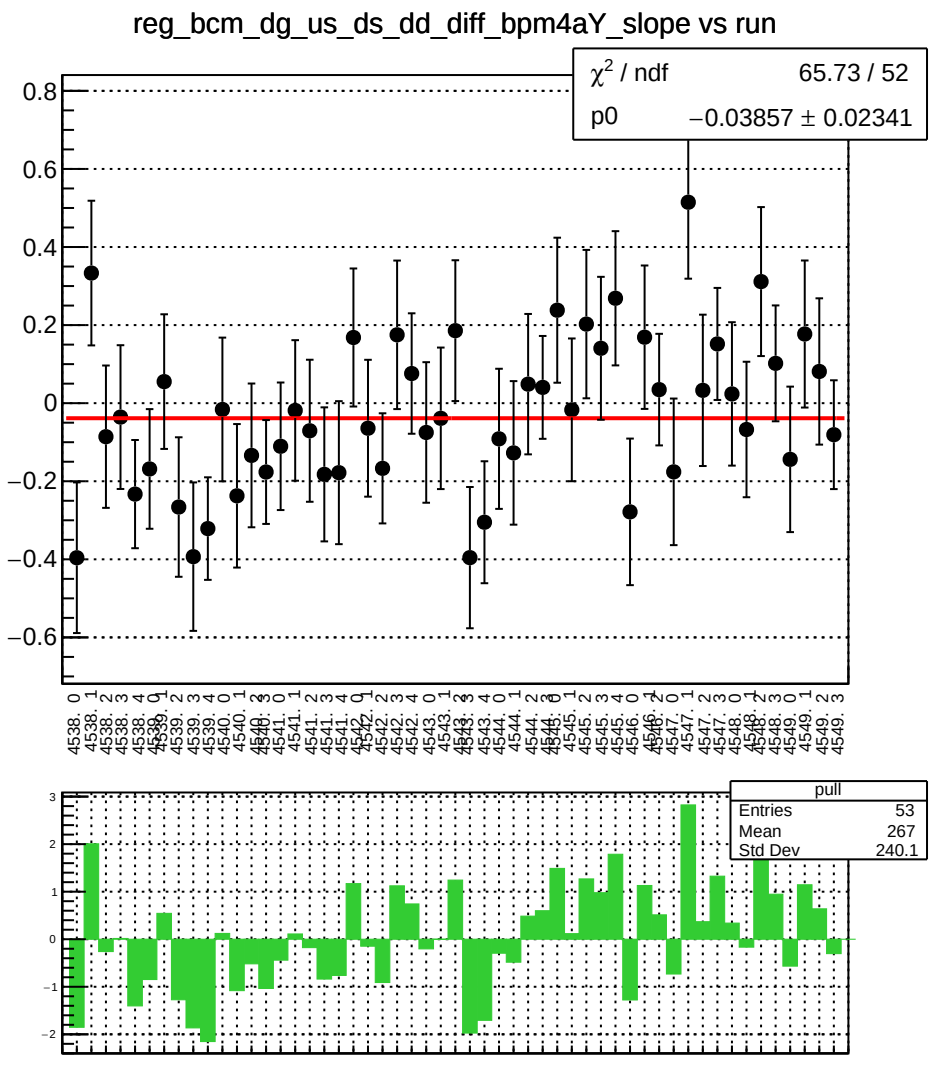

pull1D
Entries 53
Mean −0.009751
Std Dev 1.123

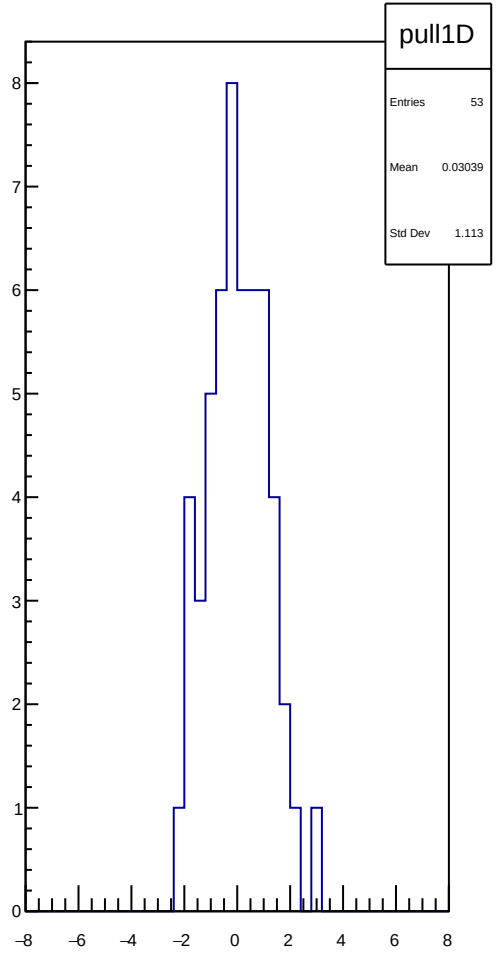

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 50.11 / 52
p0 0.003375 ± 0.005494
pull
Entries 53
Mean 174.6
Std Dev 141.5

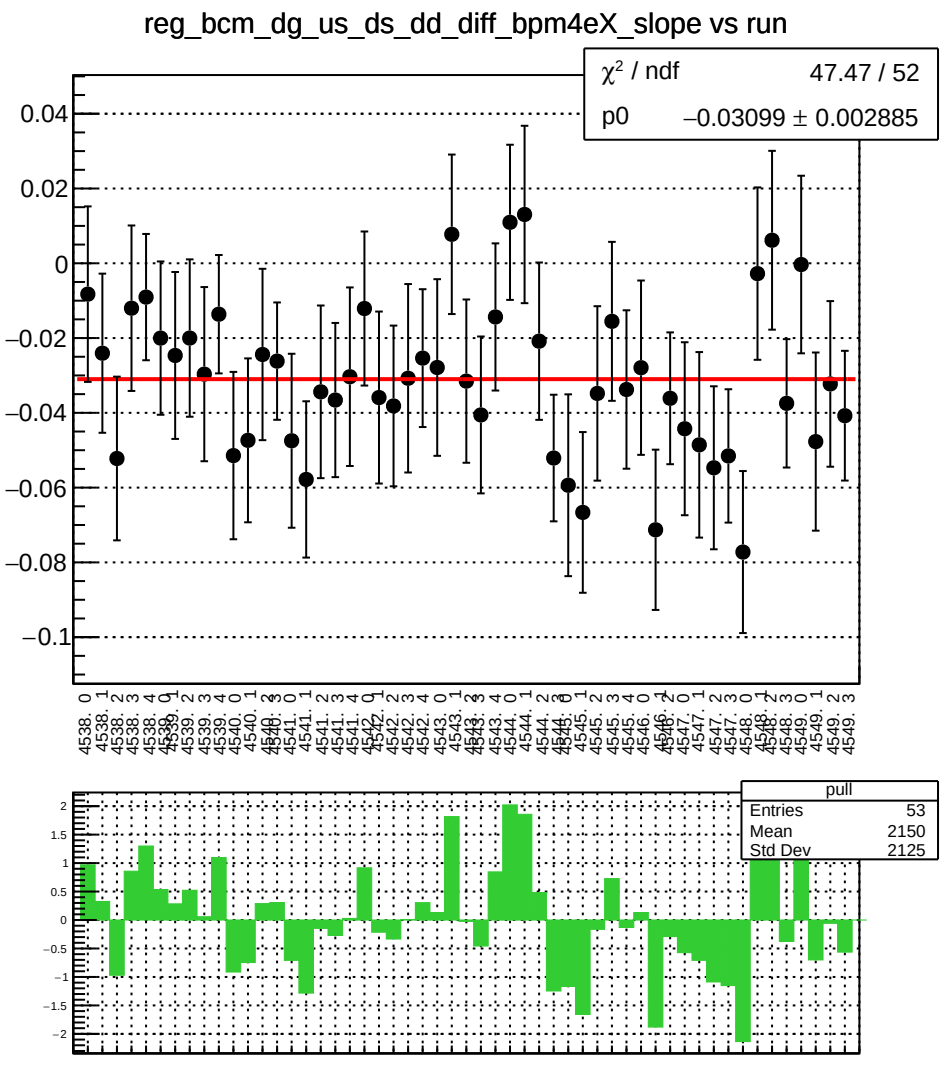

pull1D
Entries 53
Mean −0.01201
Std Dev 0.9722

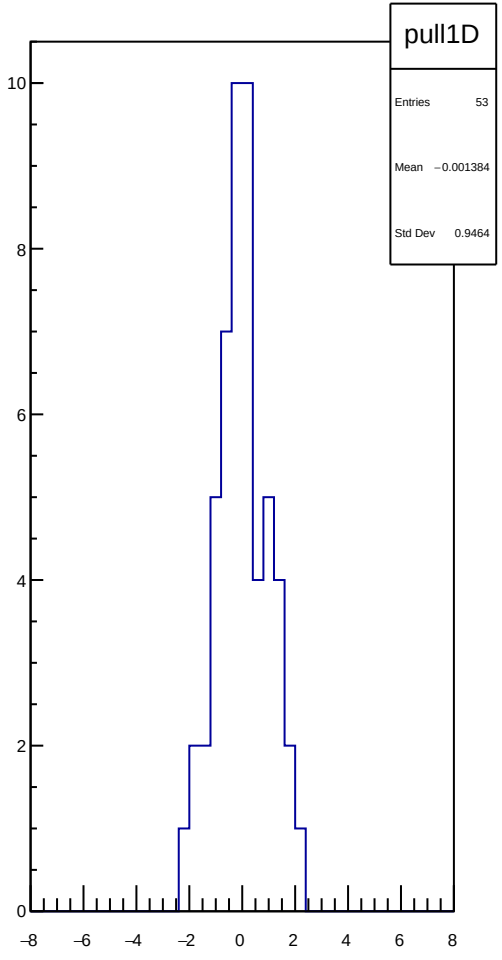

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 52.21 / 52
p0 0.06658 ± 0.01759
pull
Entries 53
Mean −2115
Std Dev 2145

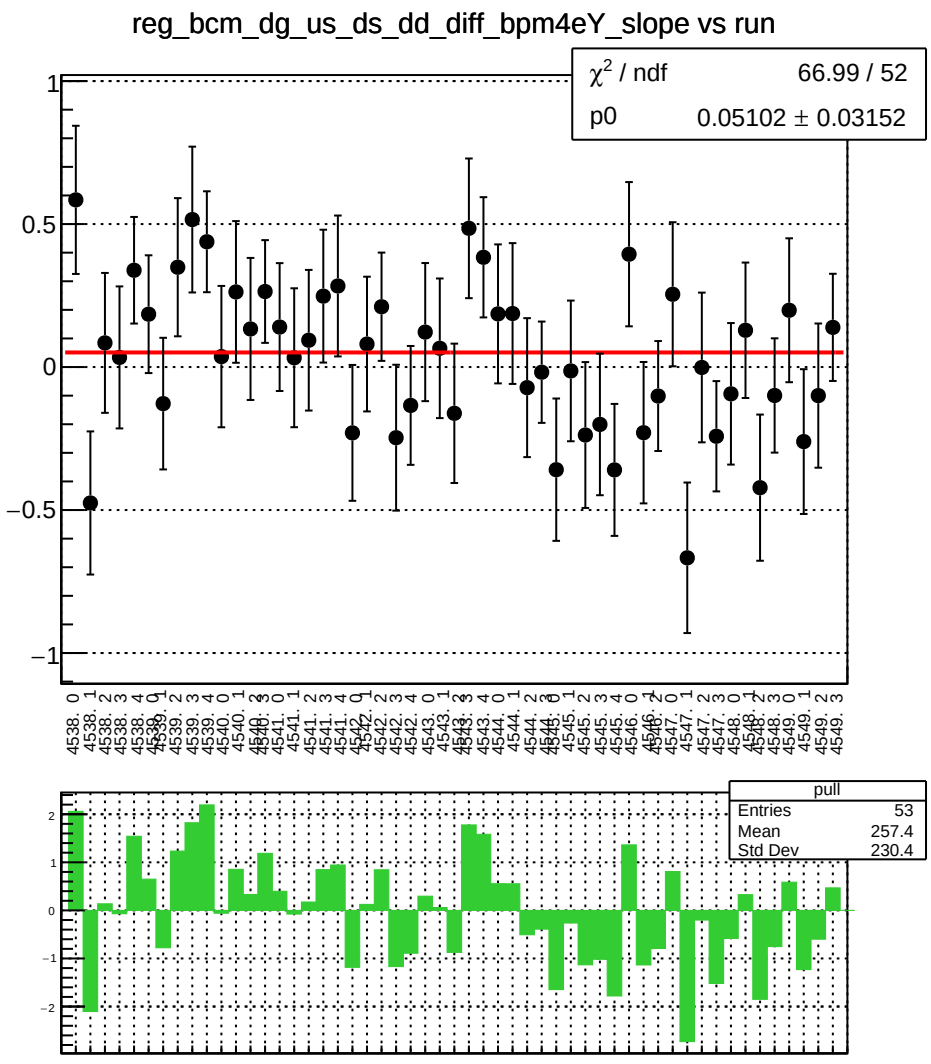

pull1D
Entries 53
Mean 0.001598
Std Dev 0.9925

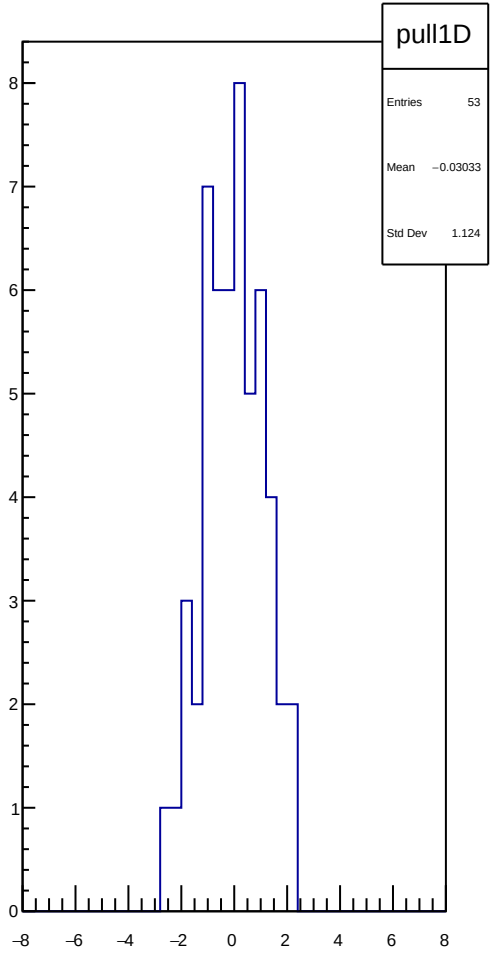

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.73 / 52
p0 −0.03857 ± 0.02341
pull
Entries 53
Mean 267
Std Dev 240.1

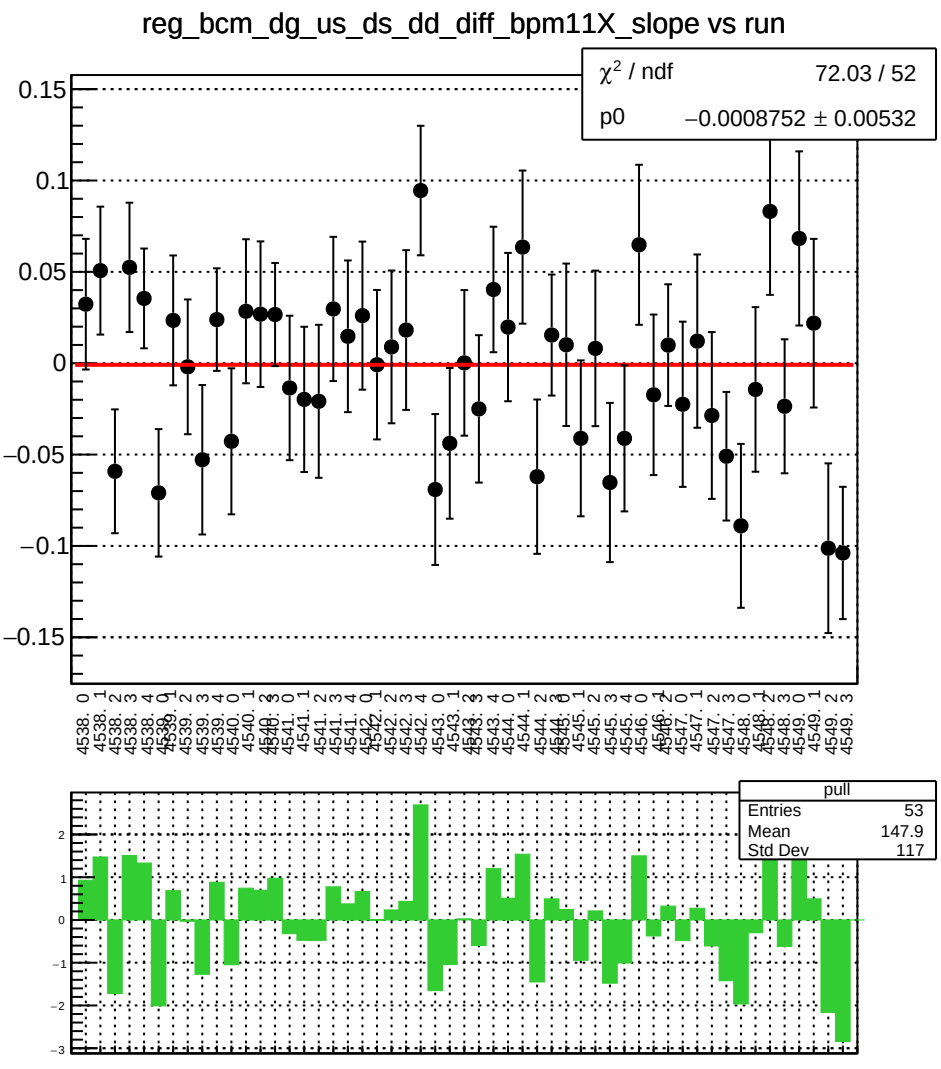

pull1D
Entries 53
Mean 0.03039
Std Dev 1.113

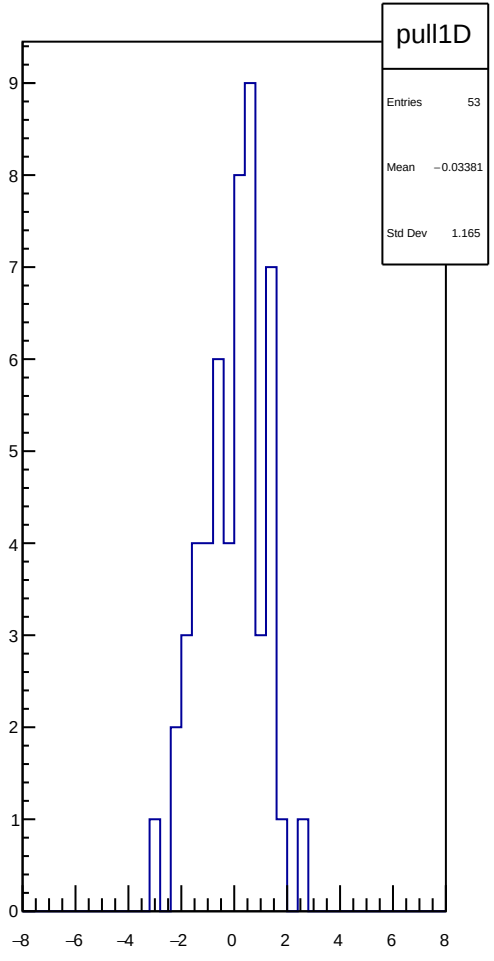

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.47 / 52
p0 −0.03099 ± 0.002885
pull
Entries 53
Mean 2150
Std Dev 2125

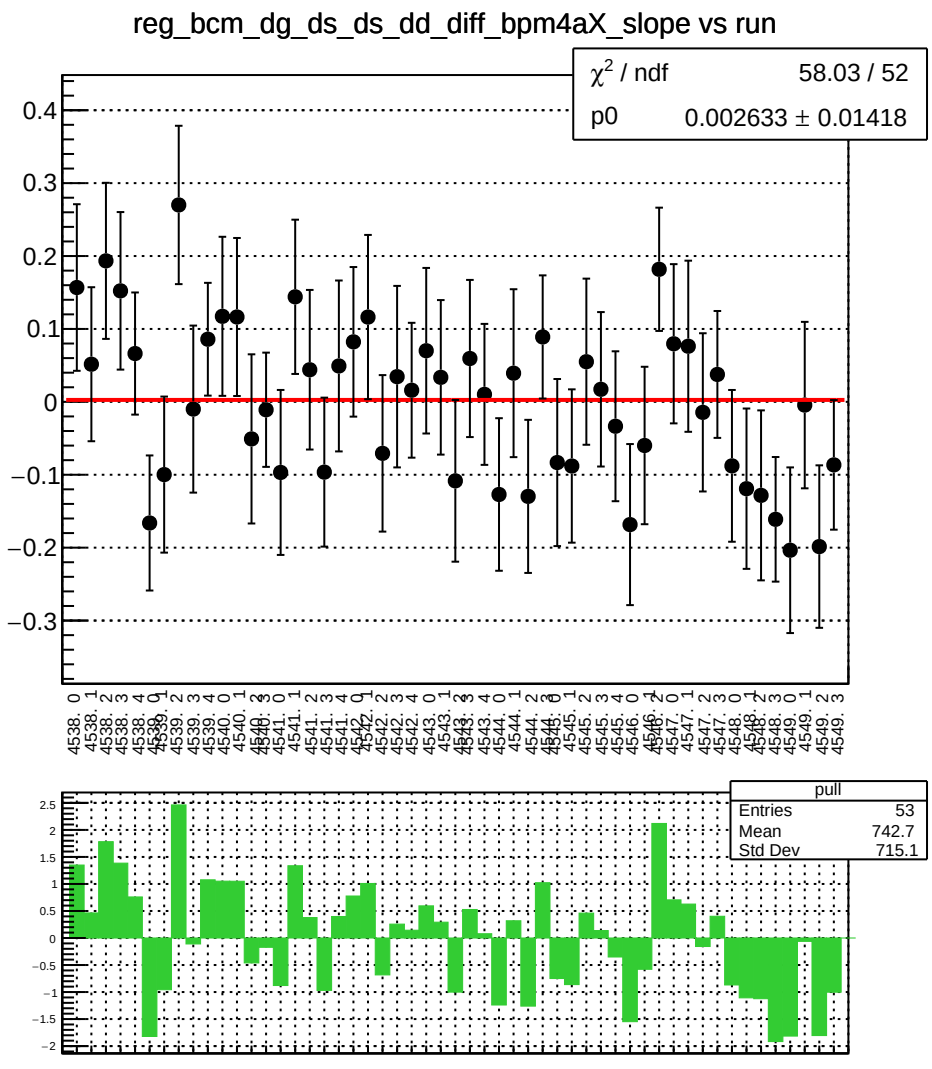

pull1D
Entries 53
Mean −0.001384
Std Dev 0.9464

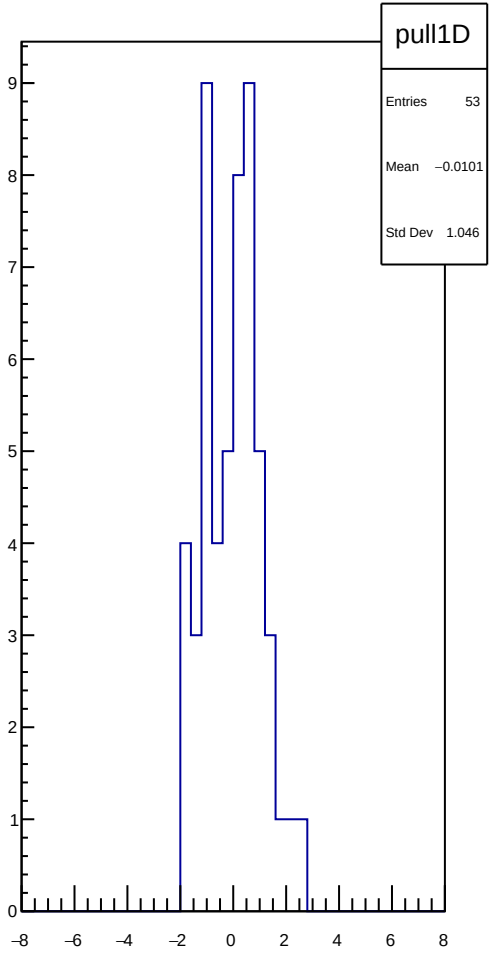

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.99 / 52
p0 0.05102 ± 0.03152
pull
Entries 53
Mean 257.4
Std Dev 230.4

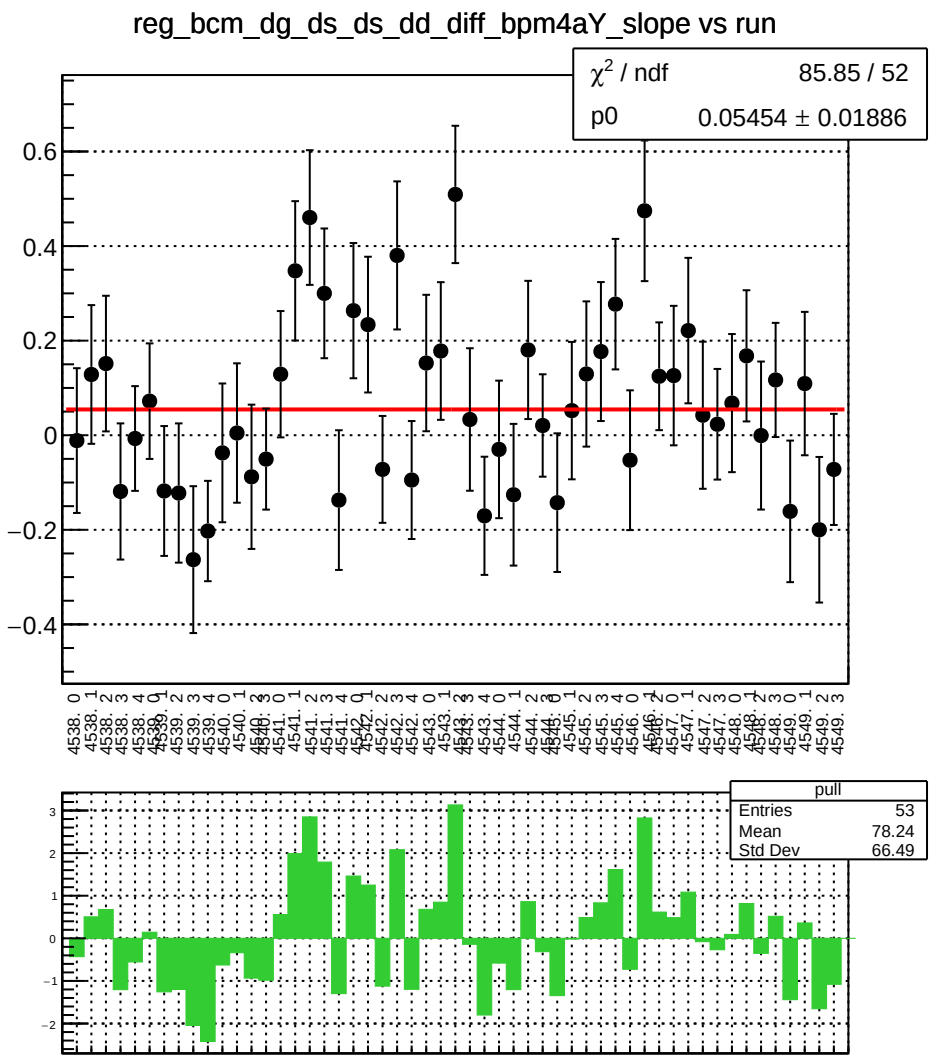

pull1D
Entries 53
Mean −0.03033
Std Dev 1.124

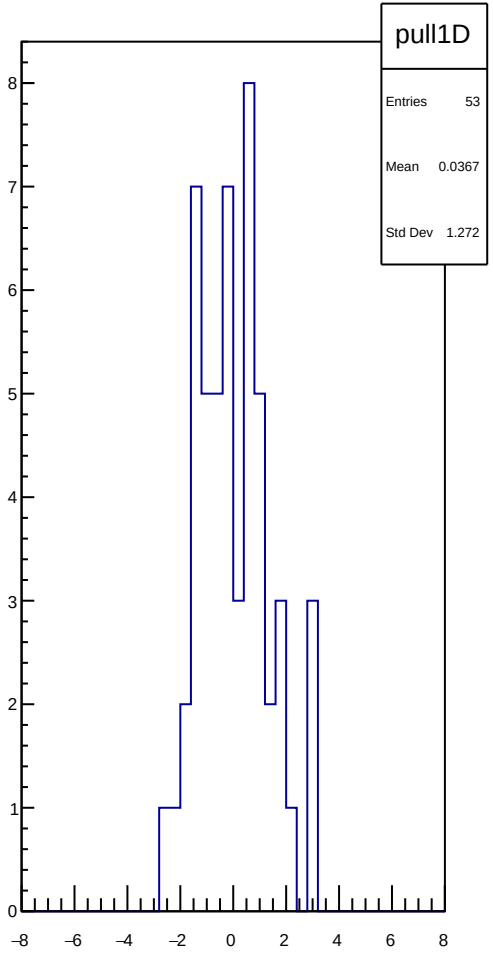

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 72.03 / 52
p0 −0.0008752 ± 0.00532
pull
Entries 53
Mean 147.9
Std Dev 117

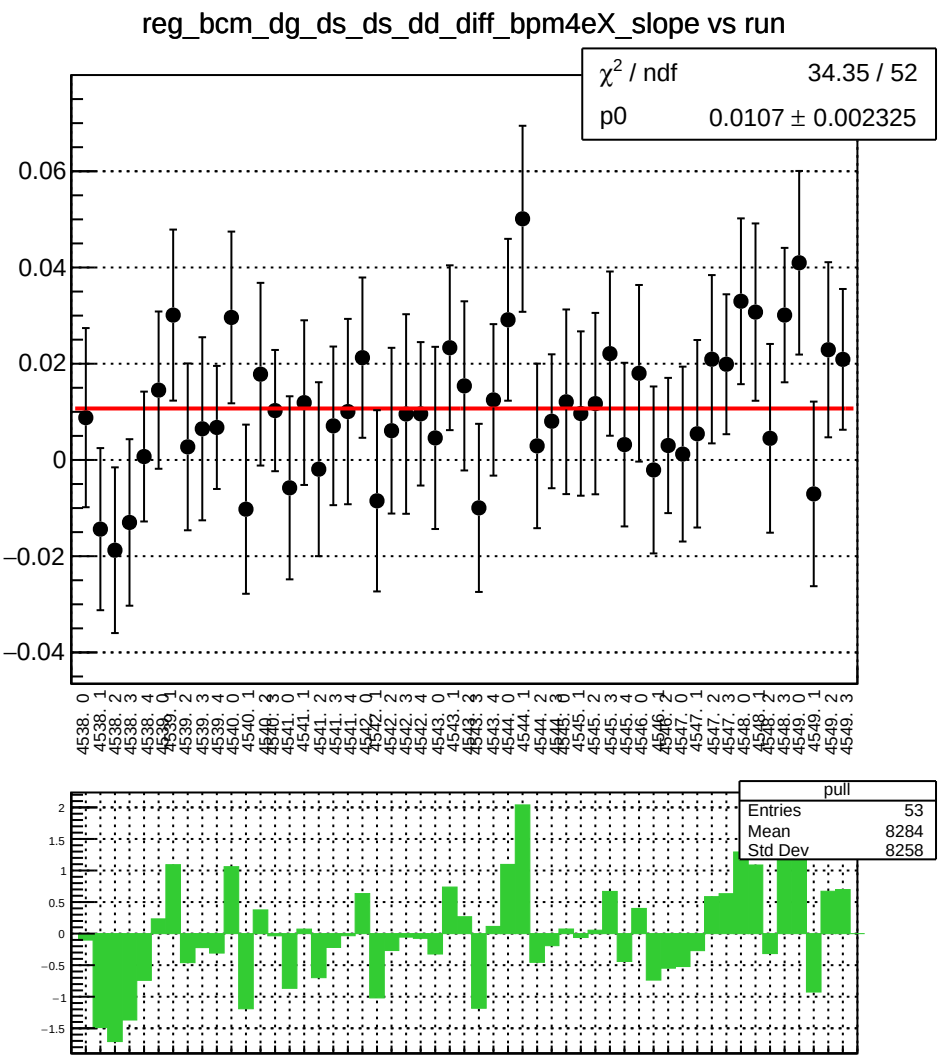

pull1D
Entries 53
Mean −0.03381
Std Dev 1.165

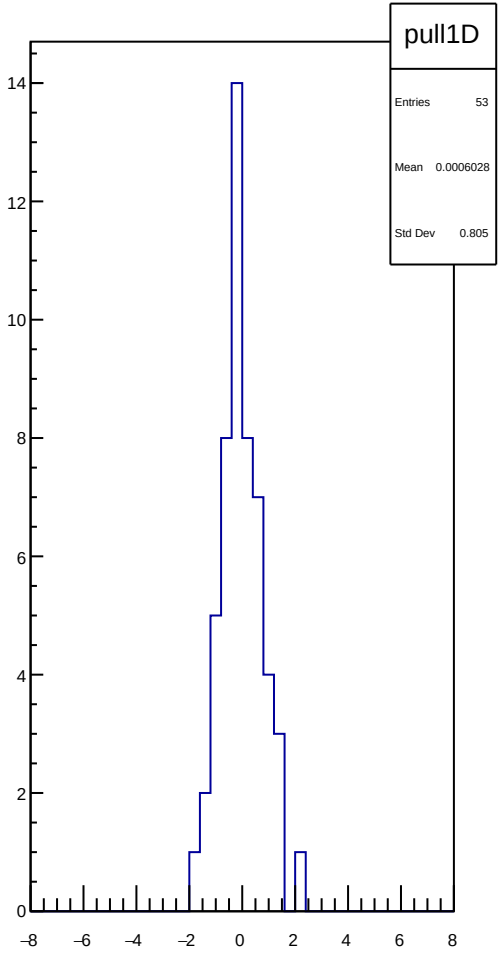

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 58.03 / 52
p0 0.002633 ± 0.01418
pull
Entries 53
Mean 742.7
Std Dev 715.1

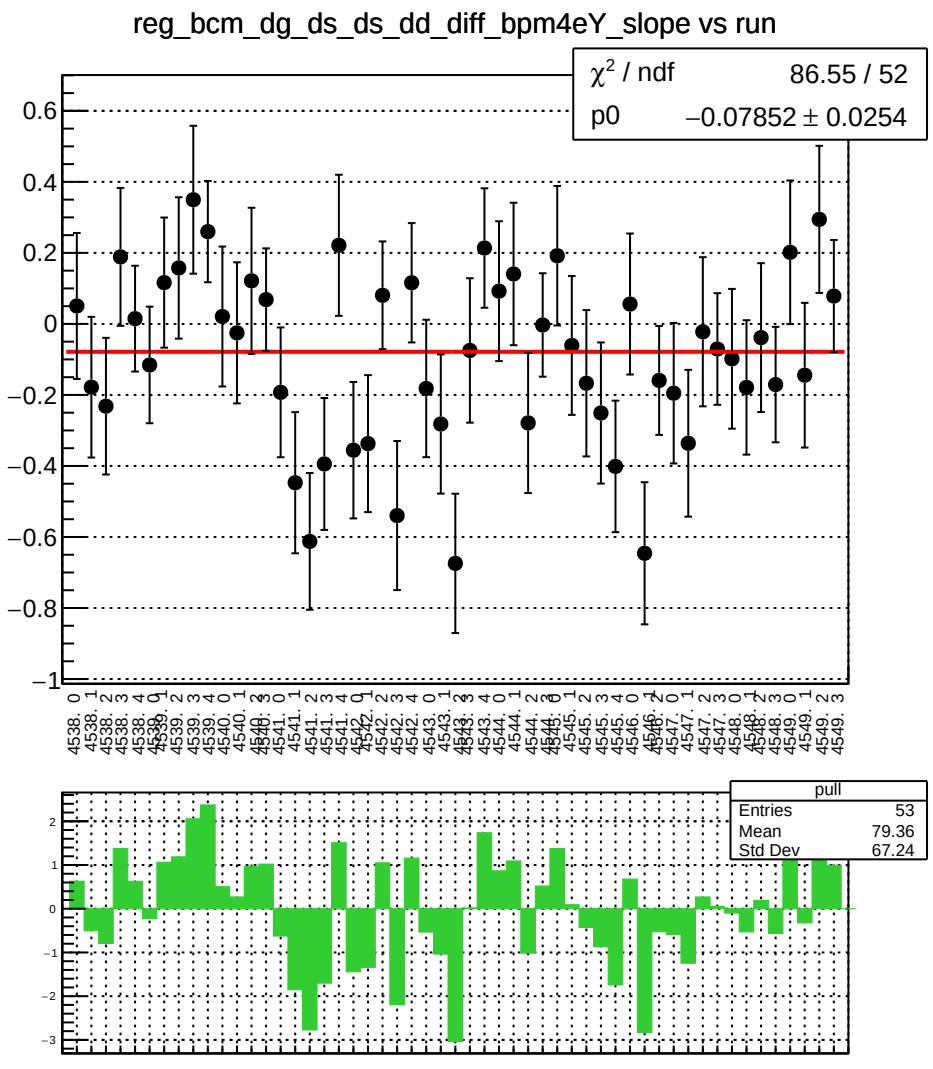

pull1D
Entries 53
Mean −0.0101
Std Dev 1.046

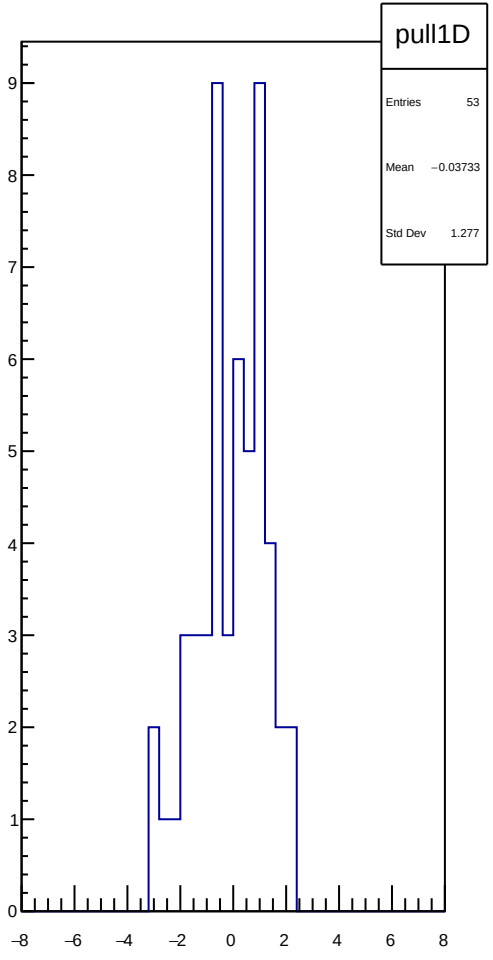

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 85.85 / 52
p0 0.05454 ± 0.01886
pull
Entries 53
Mean 78.24
Std Dev 66.49

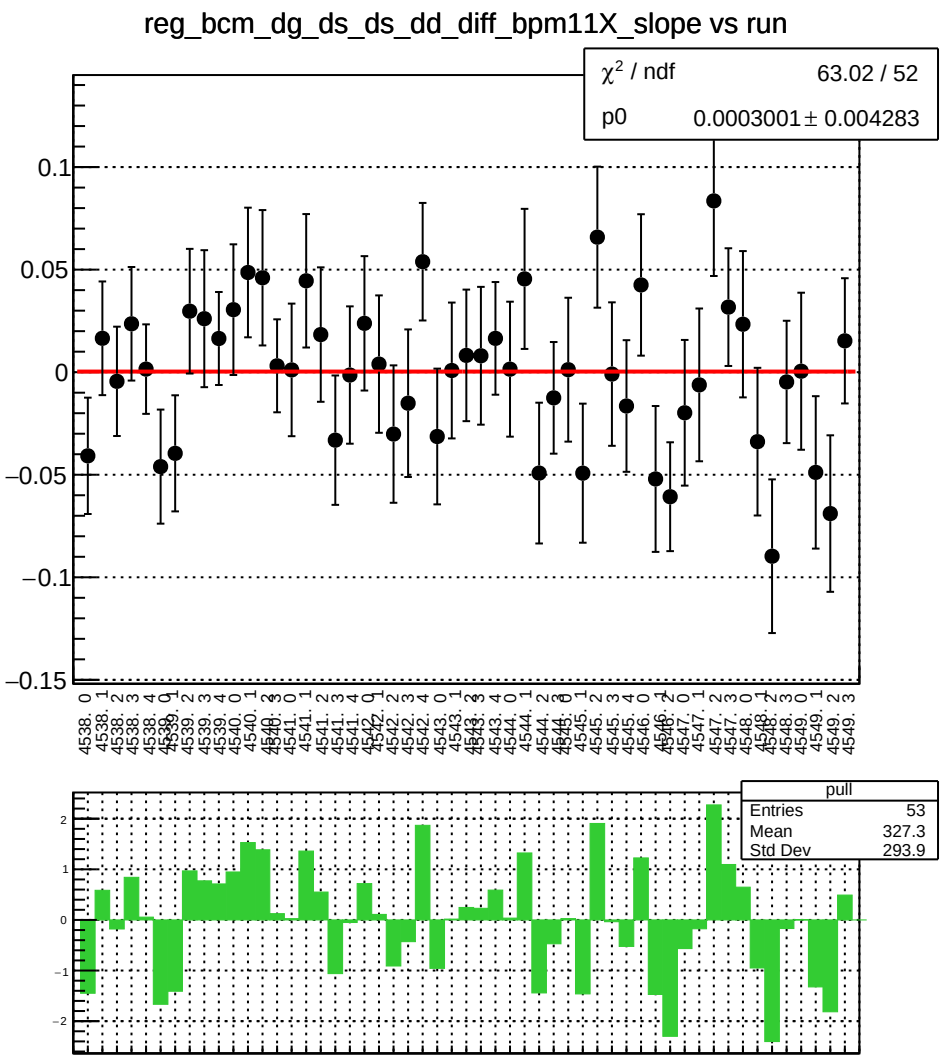

pull1D
Entries 53
Mean 0.0367
Std Dev 1.272

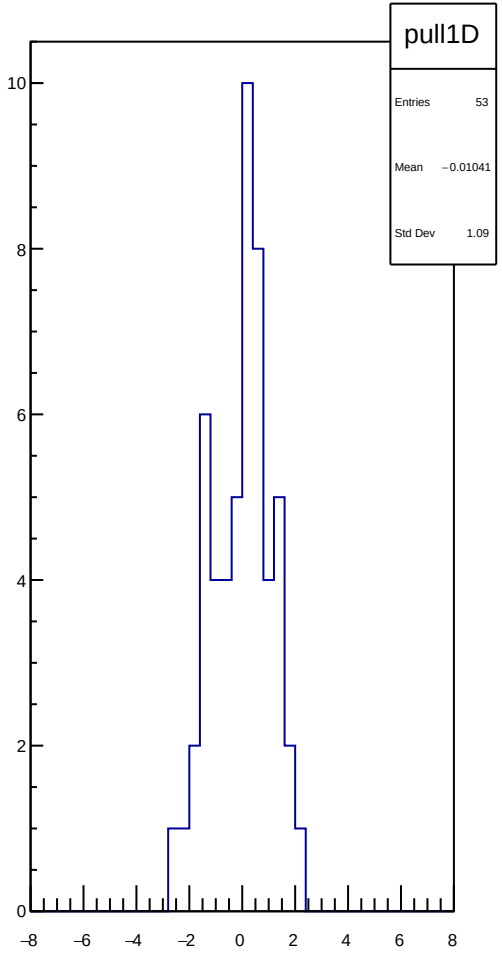

reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.35 / 52
p0 0.0107 ± 0.002325
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 53
Mean 8284
Std Dev 8258
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean 0.0006028
Std Dev 0.805
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 86.55 / 52
p0 −0.07852 ± 0.0254
pull
Entries 53
Mean 79.36
Std Dev 67.24


pull1D
Entries 53
Mean −0.03733
Std Dev 1.277


reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 63.02 / 52
p0 0.0003001 ± 0.004283
pull
Entries 53
Mean 327.3
Std Dev 293.9


pull1D
Entries 53
Mean −0.01041
Std Dev 1.09