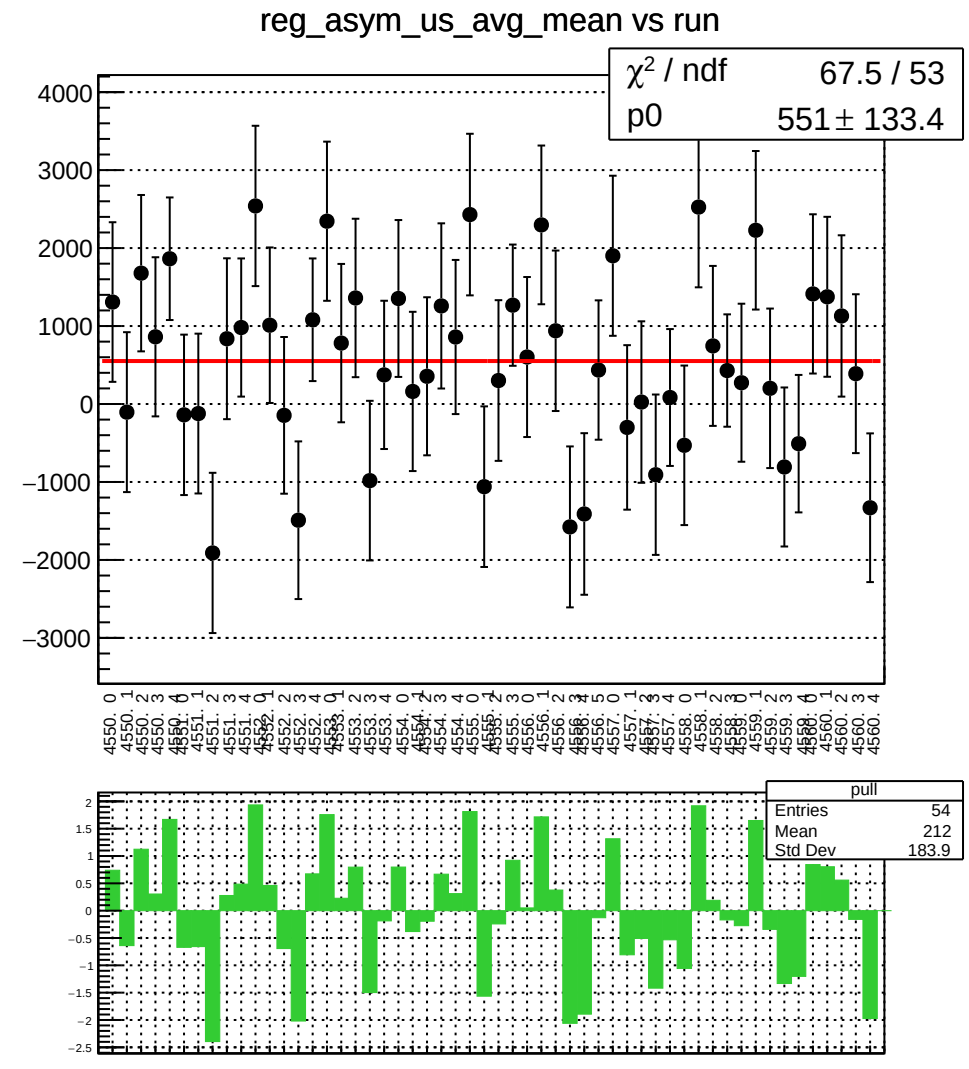
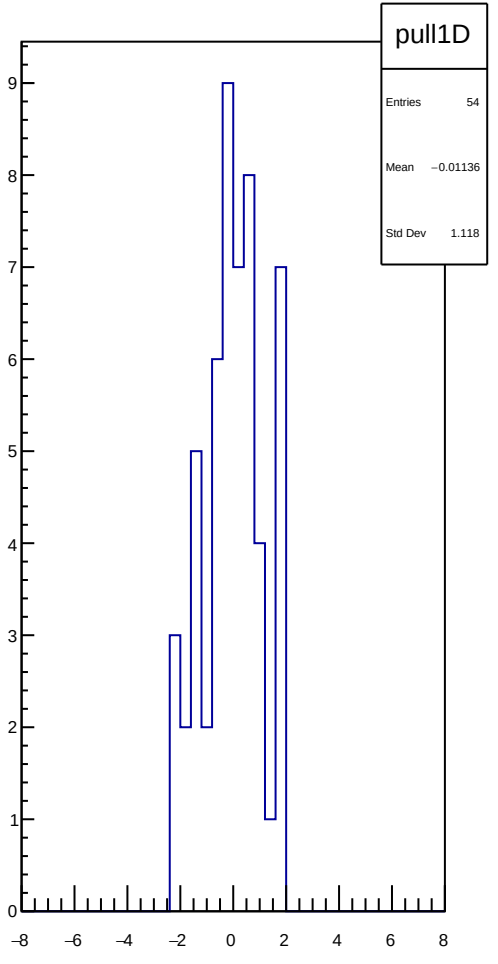
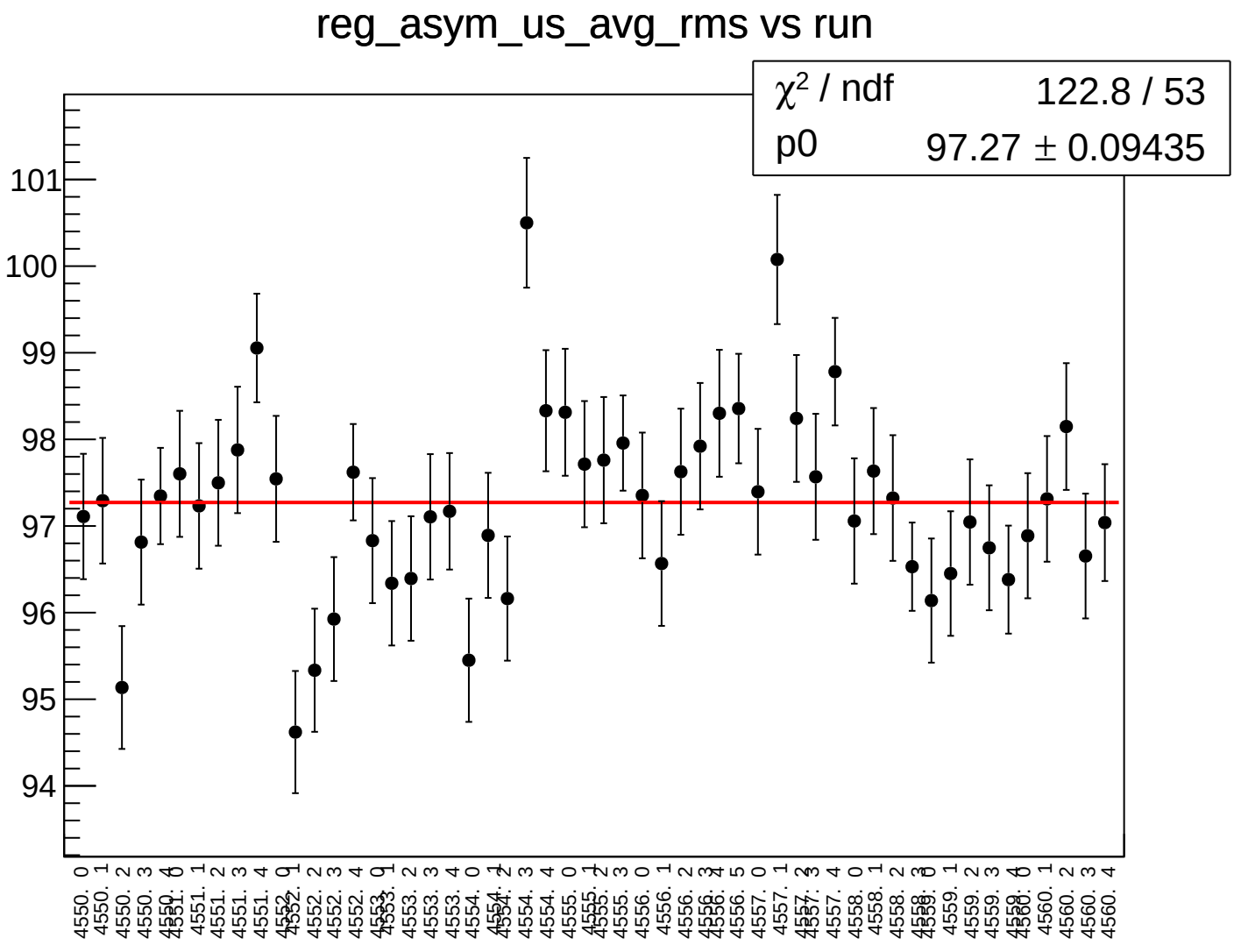
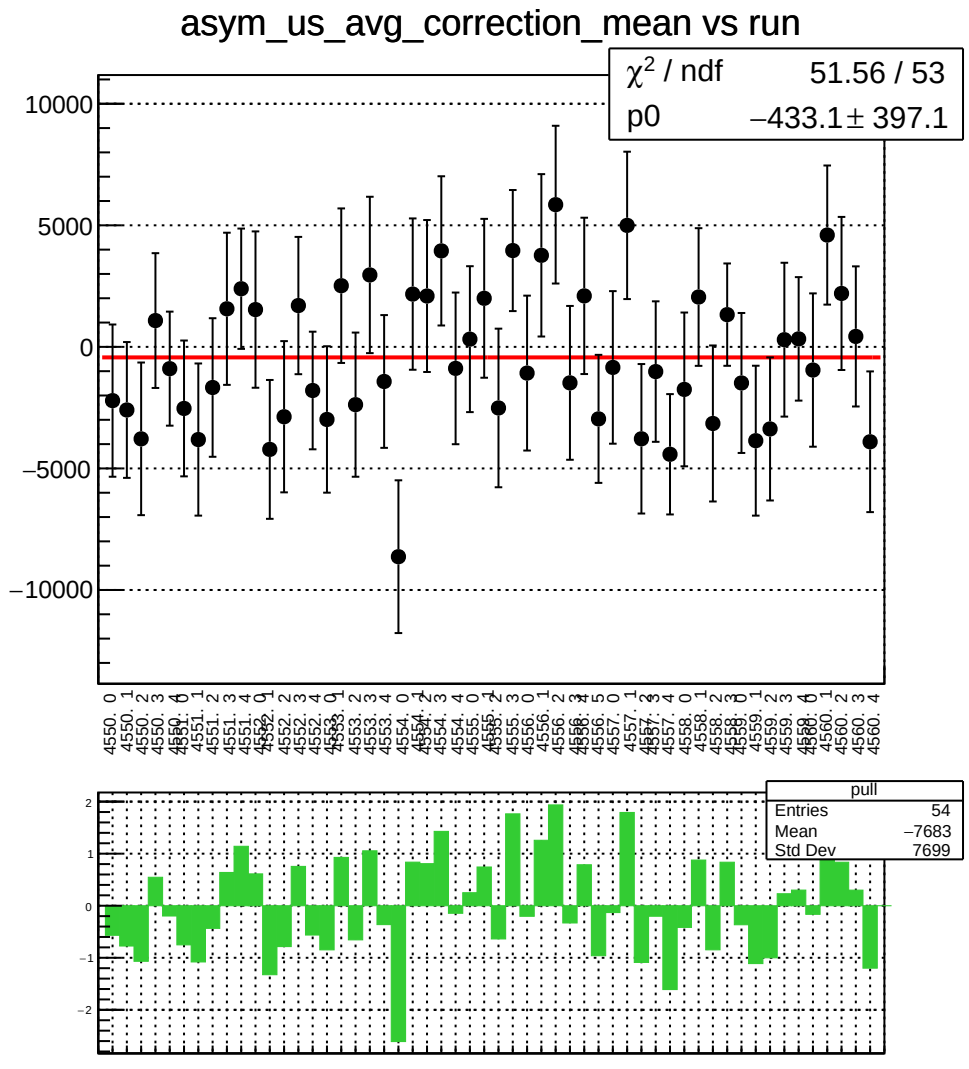
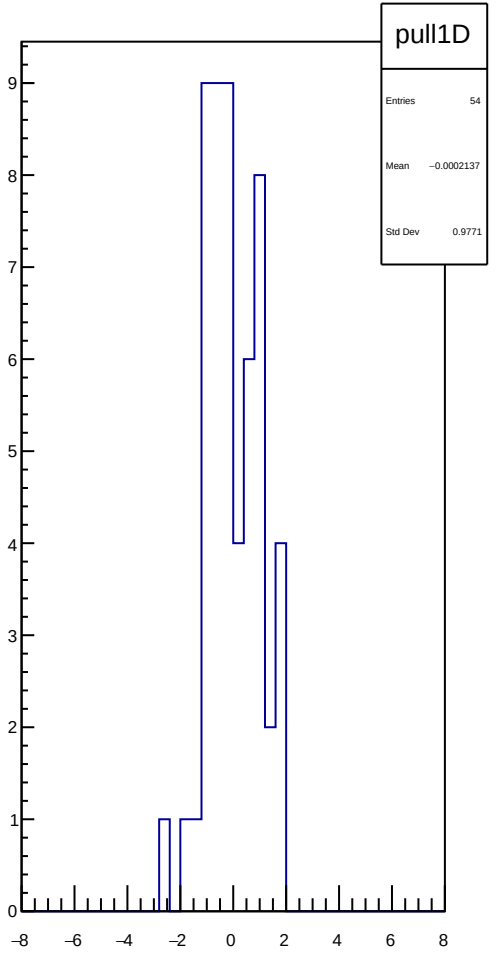
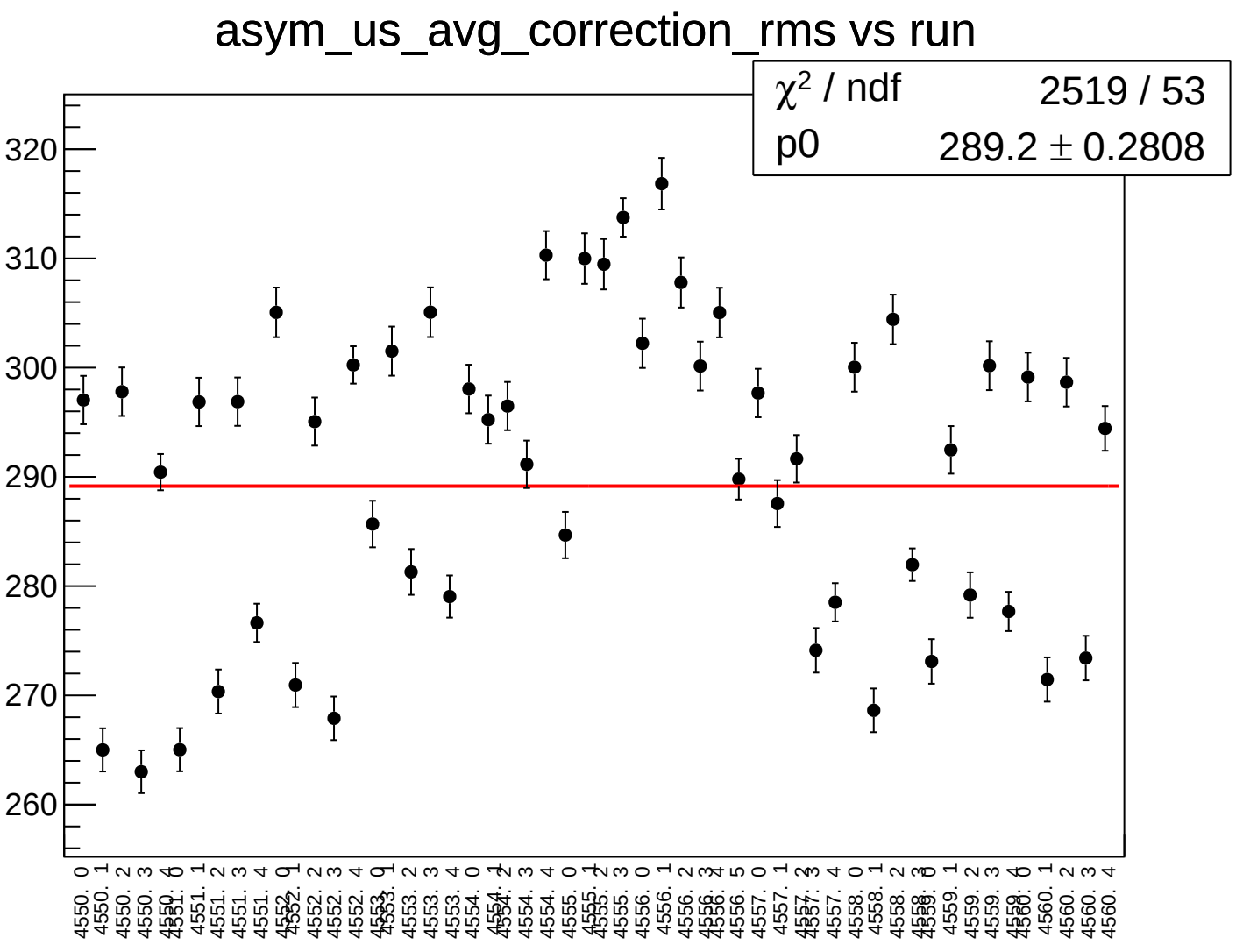

reg_asym_us_avg_mean vs run
χ² / ndf 67.5 / 53
p0 551 ± 133.4
pull
Entries 54
Mean 212
Std Dev 183.9

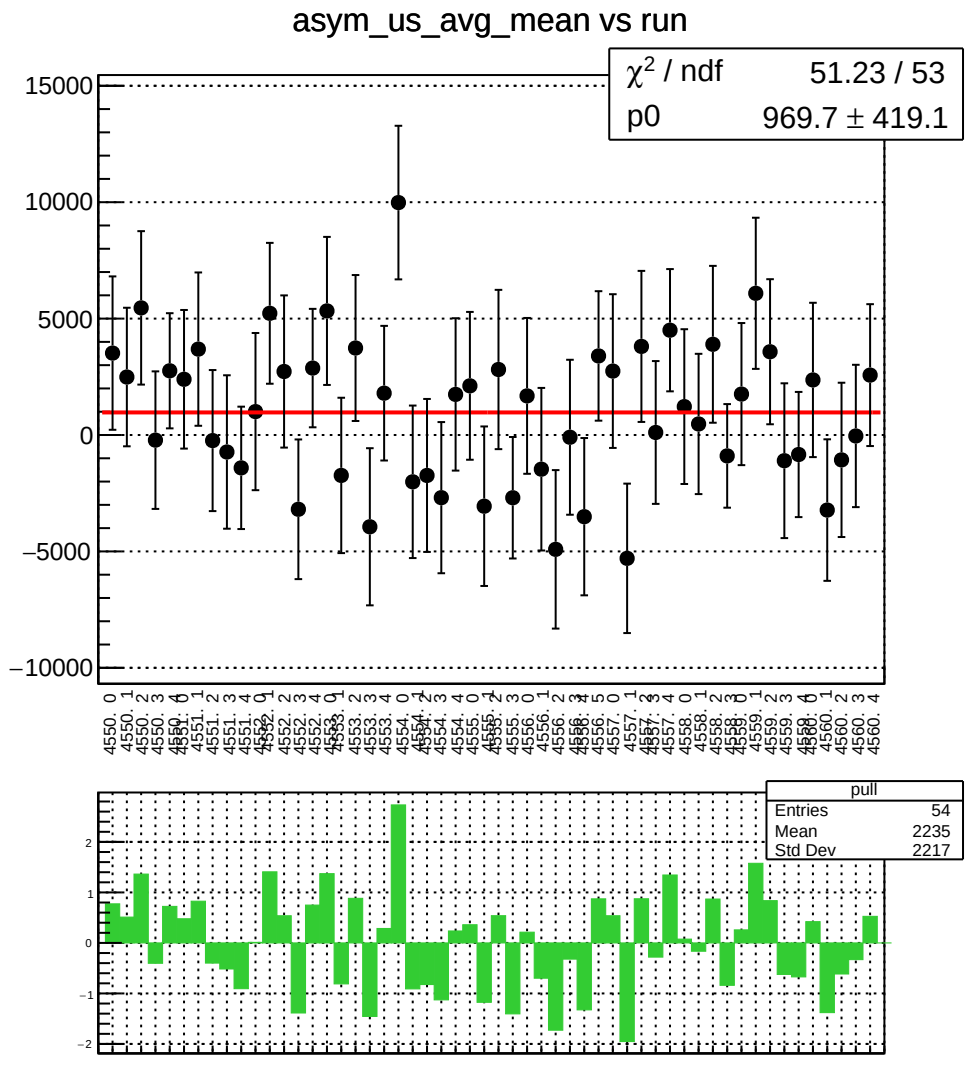

pull1D
Entries 54
Mean −0.01136
Std Dev 1.118

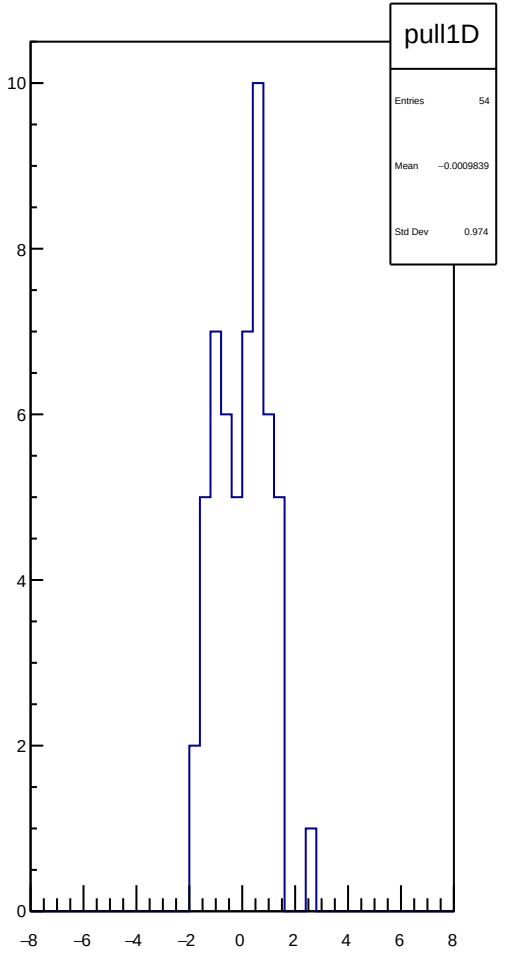

reg_asym_us_avg_rms vs run
χ² / ndf 122.8 / 53
p0 97.27 ± 0.09435
101
100
99
98
97
96
95
94
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

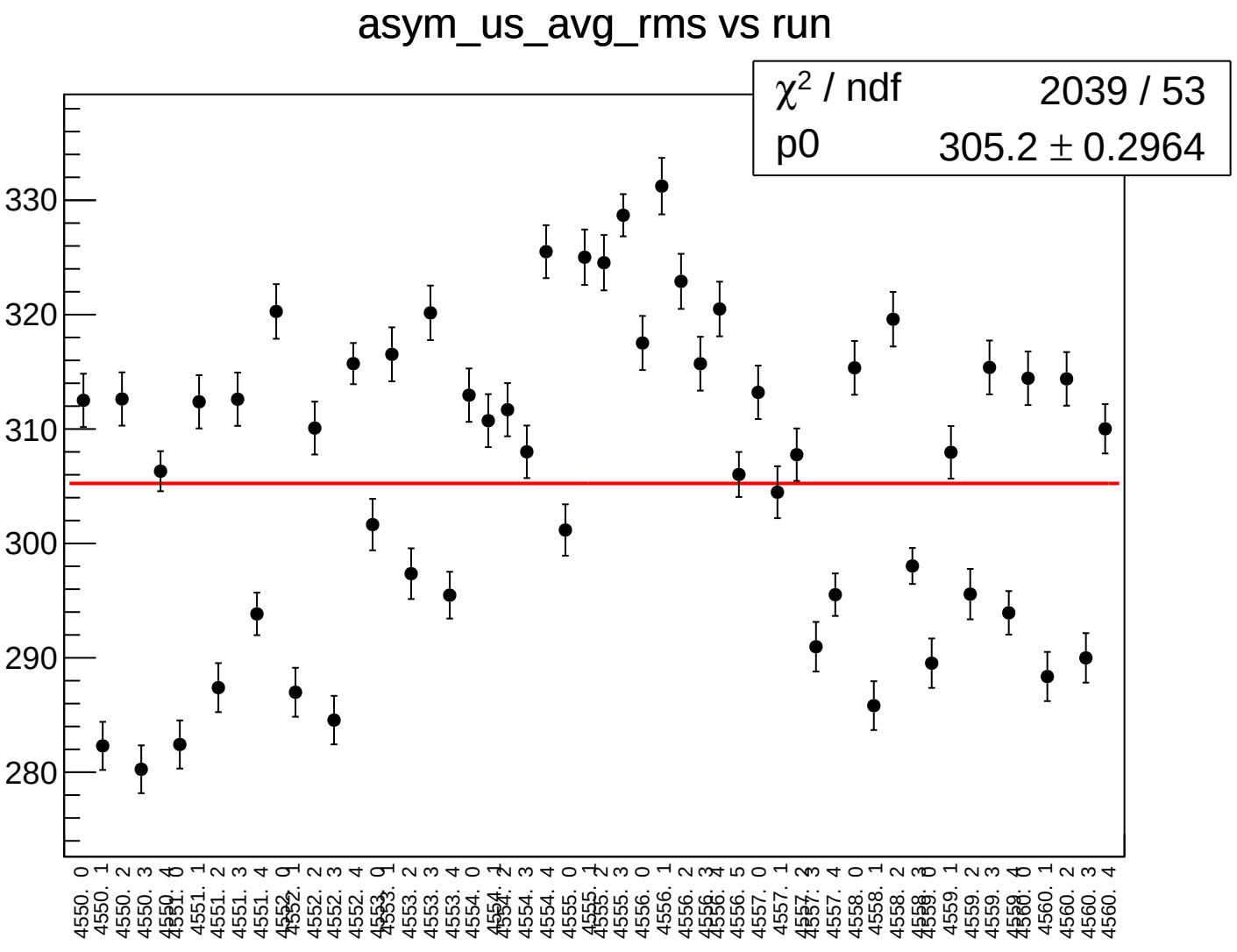

asym_us_avg_correction_mean vs run
χ² / ndf 51.56 / 53
p0 −433.1 ± 397.1
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −7683
Std Dev 7699
2
1
0
−1
−2

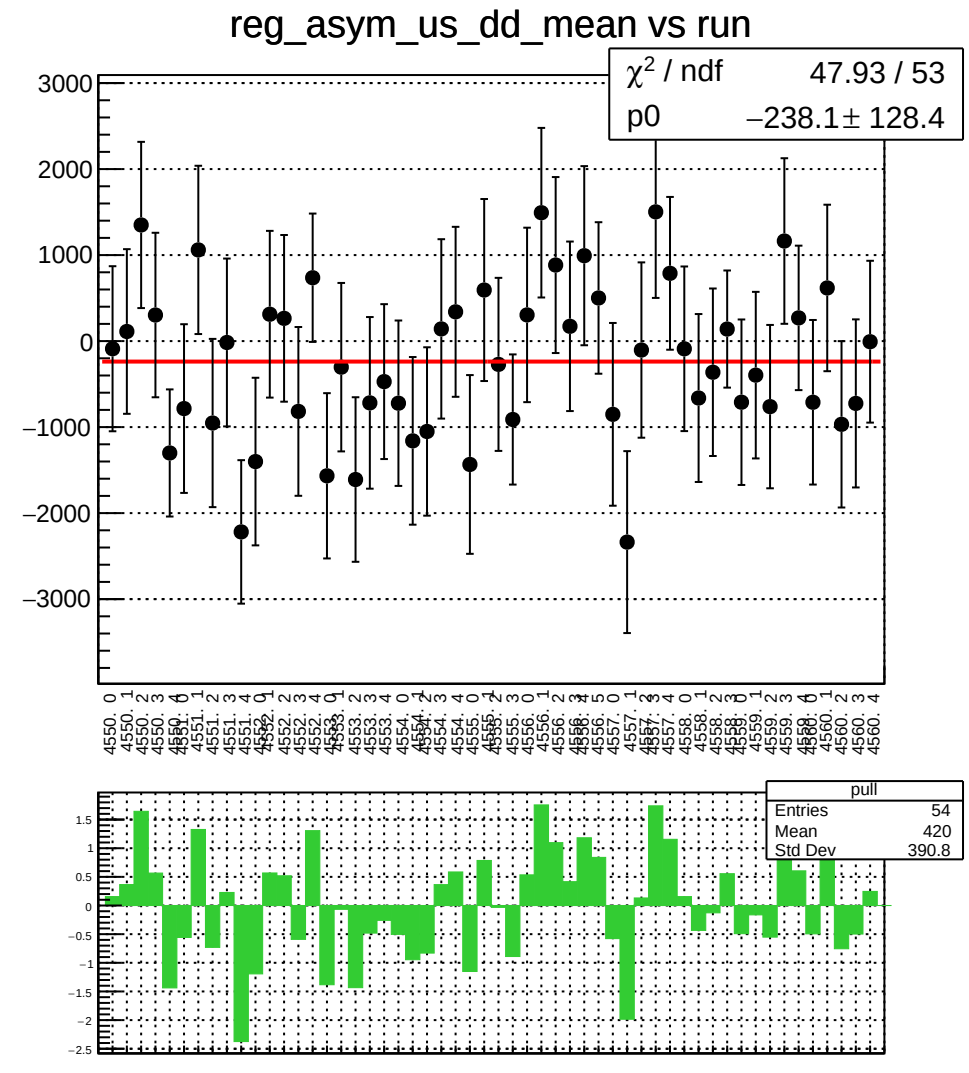

pull1D
Entries 54
Mean −0.0002137
Std Dev 0.9771
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

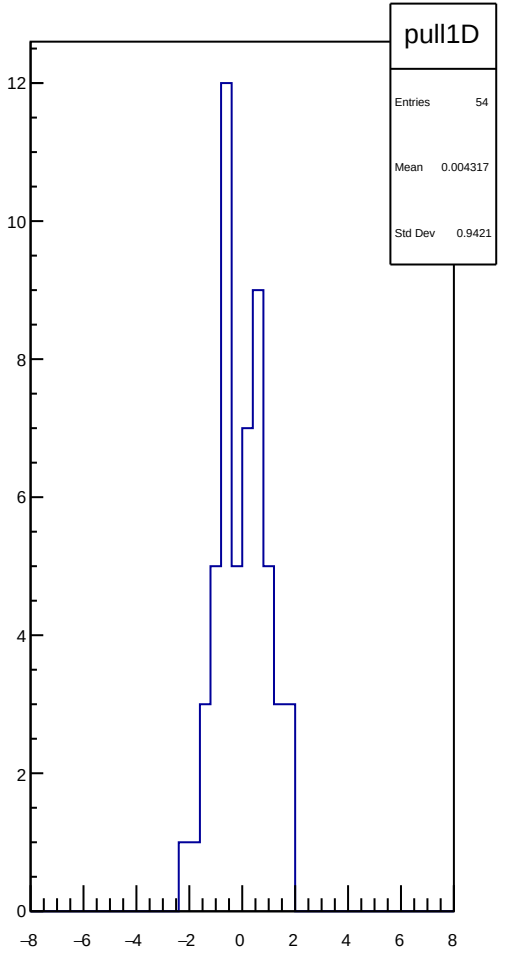

asym_us_avg_correction_rms vs run
χ² / ndf 2519 / 53
p0 289.2 ± 0.2808
320
310
300
290
280
270
260
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

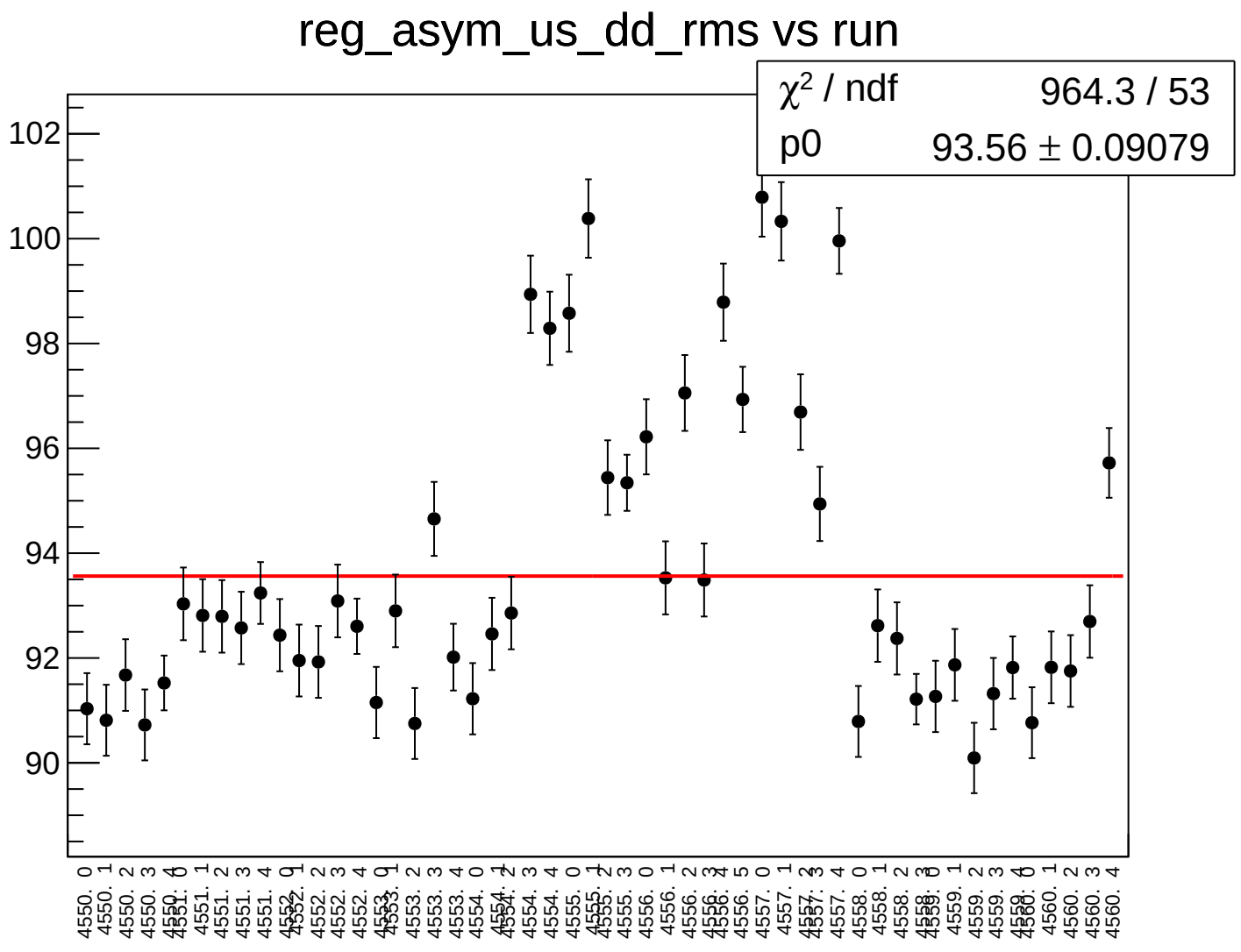

asym_us_avg_mean vs run
χ² / ndf 51.23 / 53
p0 969.7 ± 419.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 2235
Std Dev 2217
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.0009839
Std Dev 0.974
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_rms vs run
χ² / ndf 2039 / 53
p0 305.2 ± 0.2964
330
320
310
300
290
280
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


reg_asym_us_dd_mean vs run
χ² / ndf 47.93 / 53
p0 −238.1± 128.4
pull
Entries 54
Mean 420
Std Dev 390.8


pull1D
Entries 54
Mean 0.004317
Std Dev 0.9421


reg_asym_us_dd_rms vs run
χ² / ndf 964.3 / 53
p0 93.56 ± 0.09079
102
100
98
96
94
92
90
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
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4553. 2
4553. 3
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4554. 0
4554. 1
4554. 2
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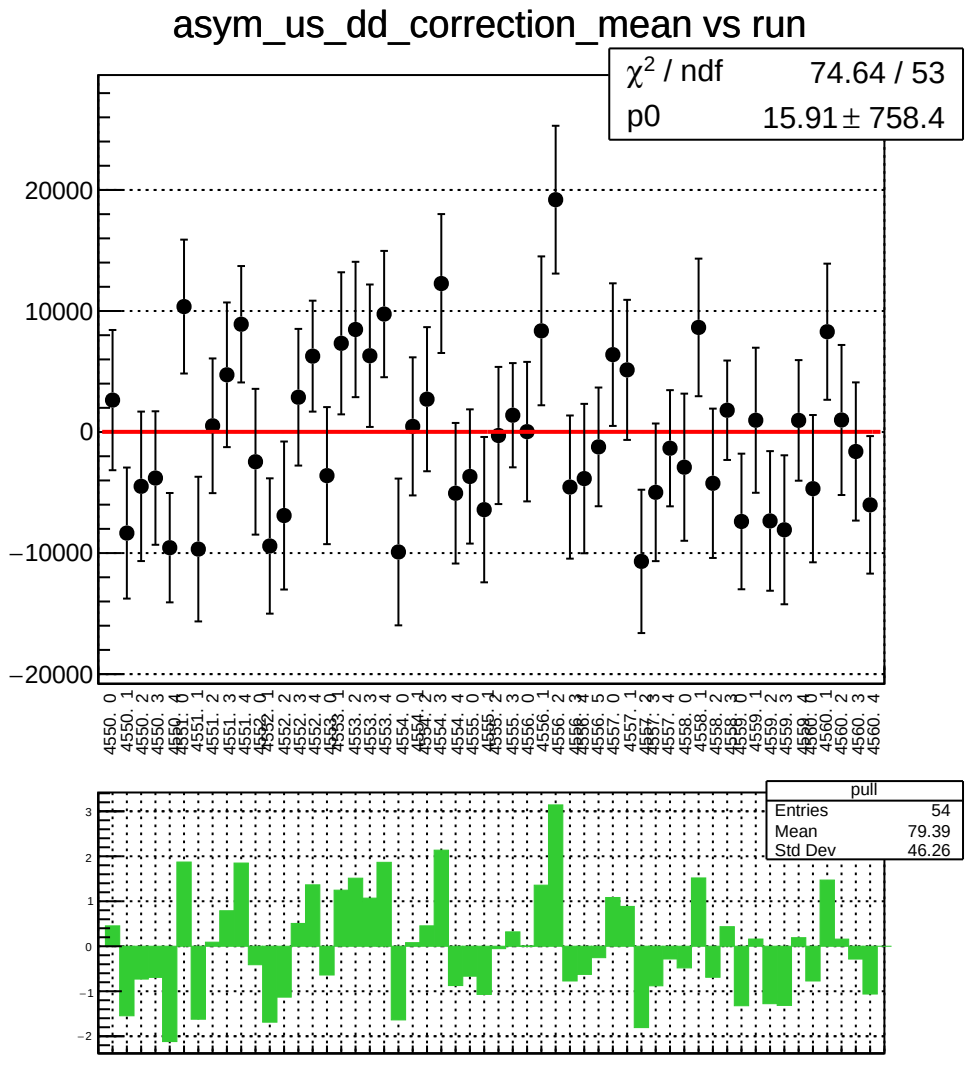
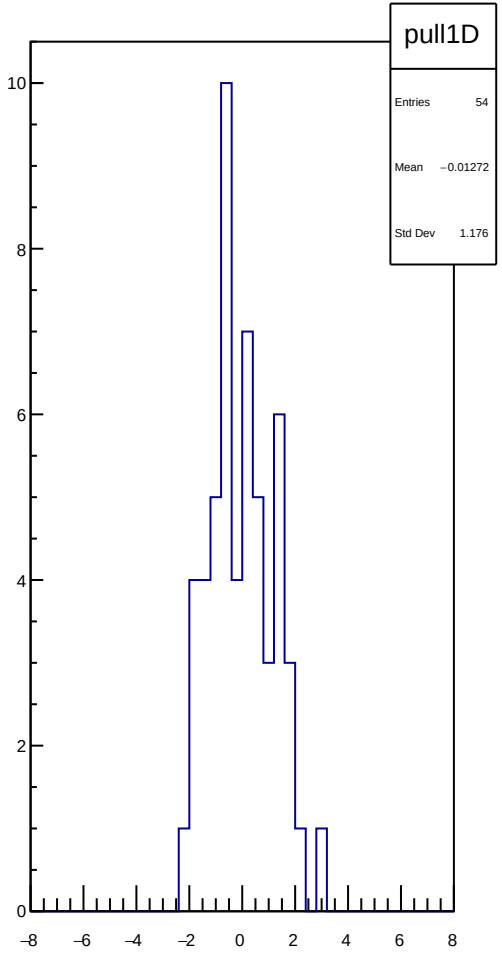
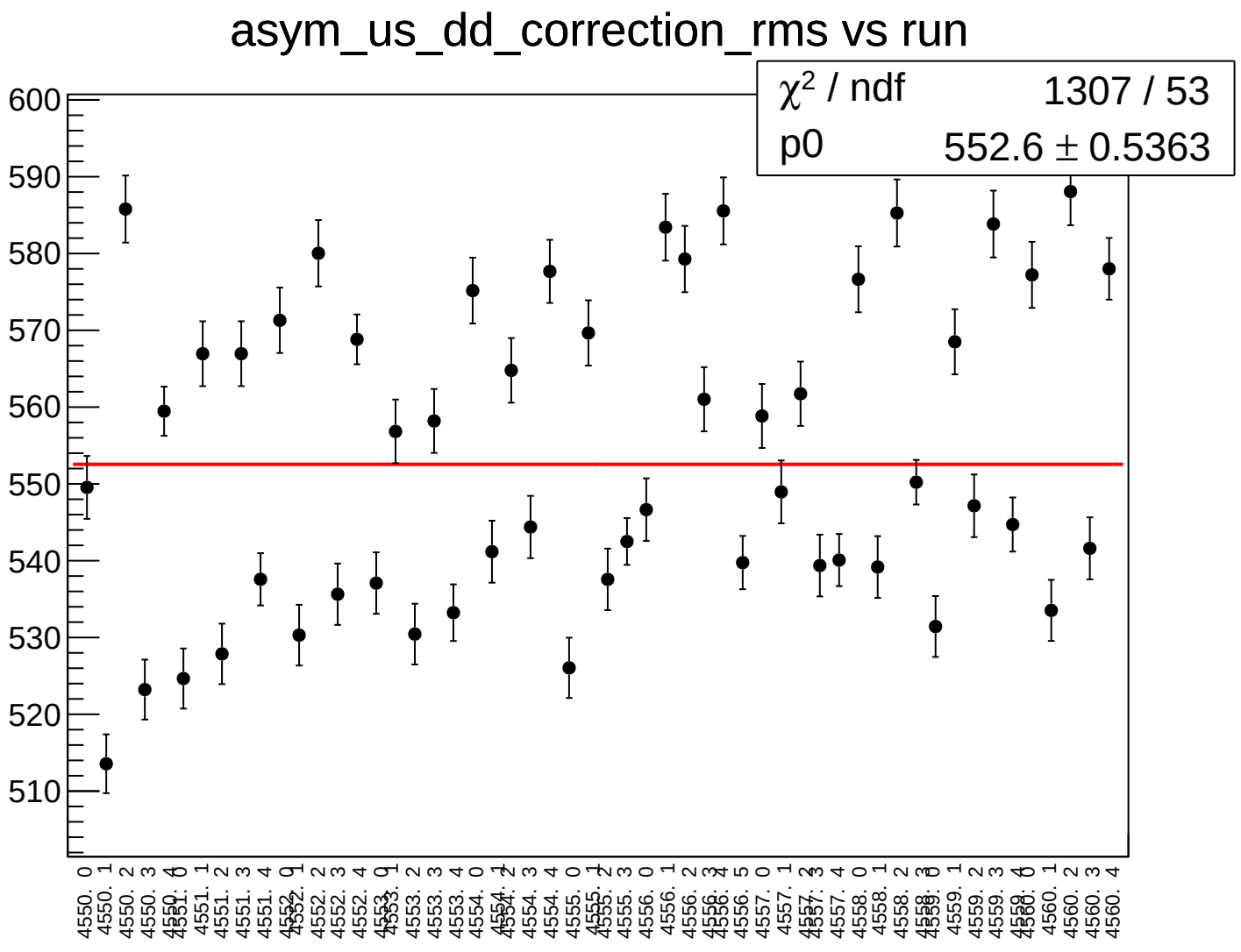
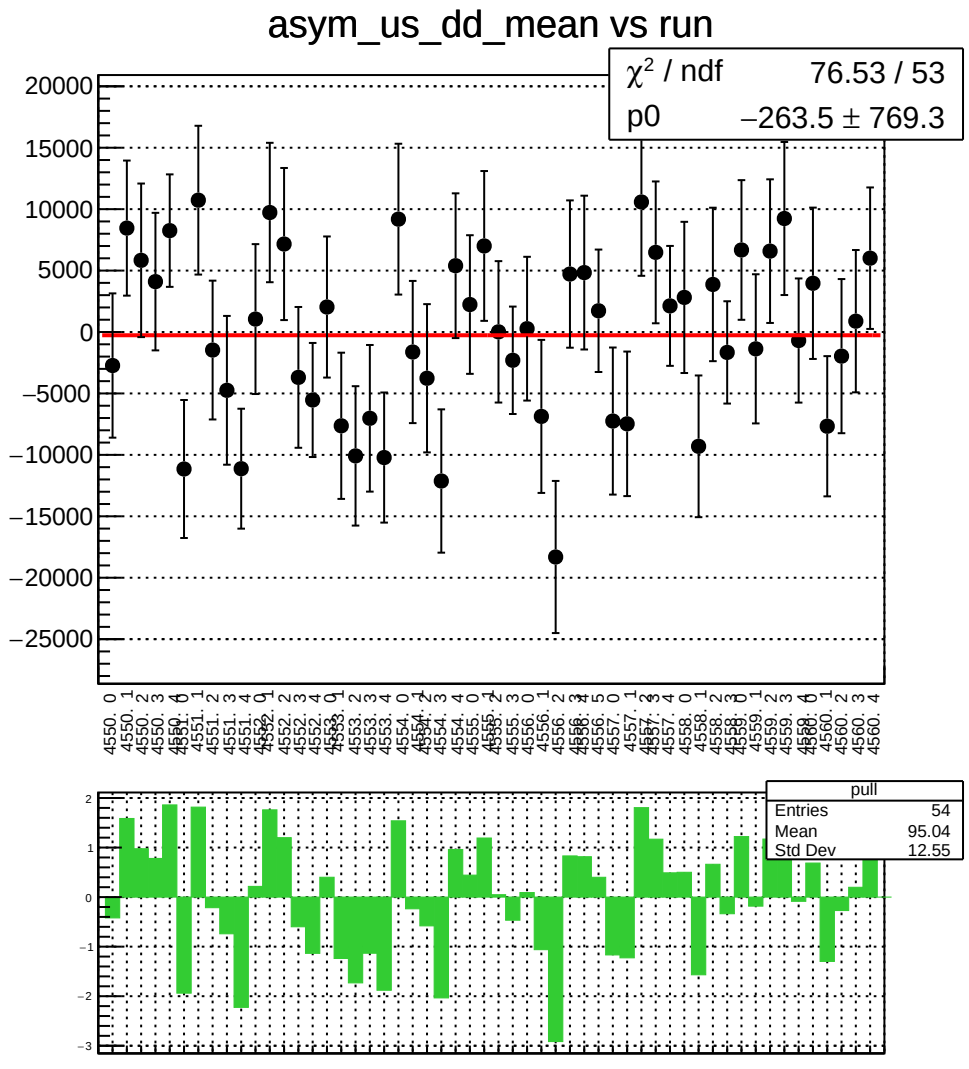
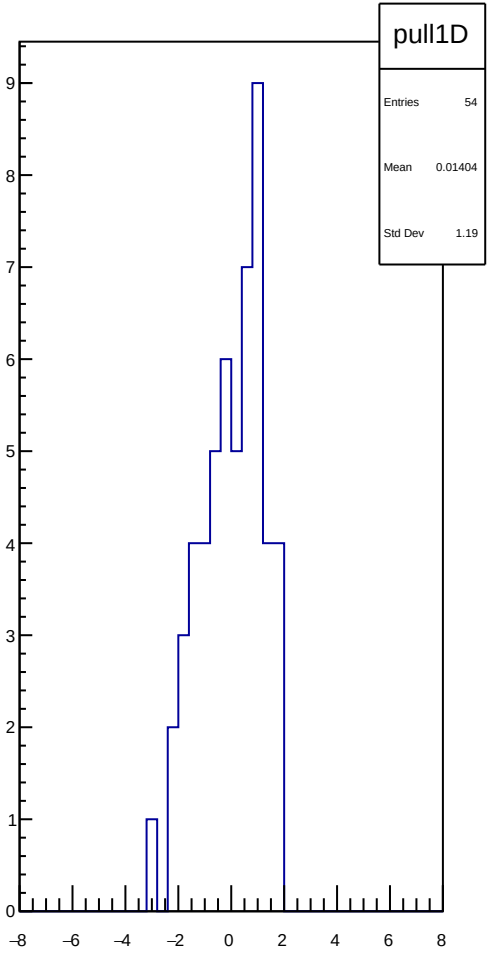
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

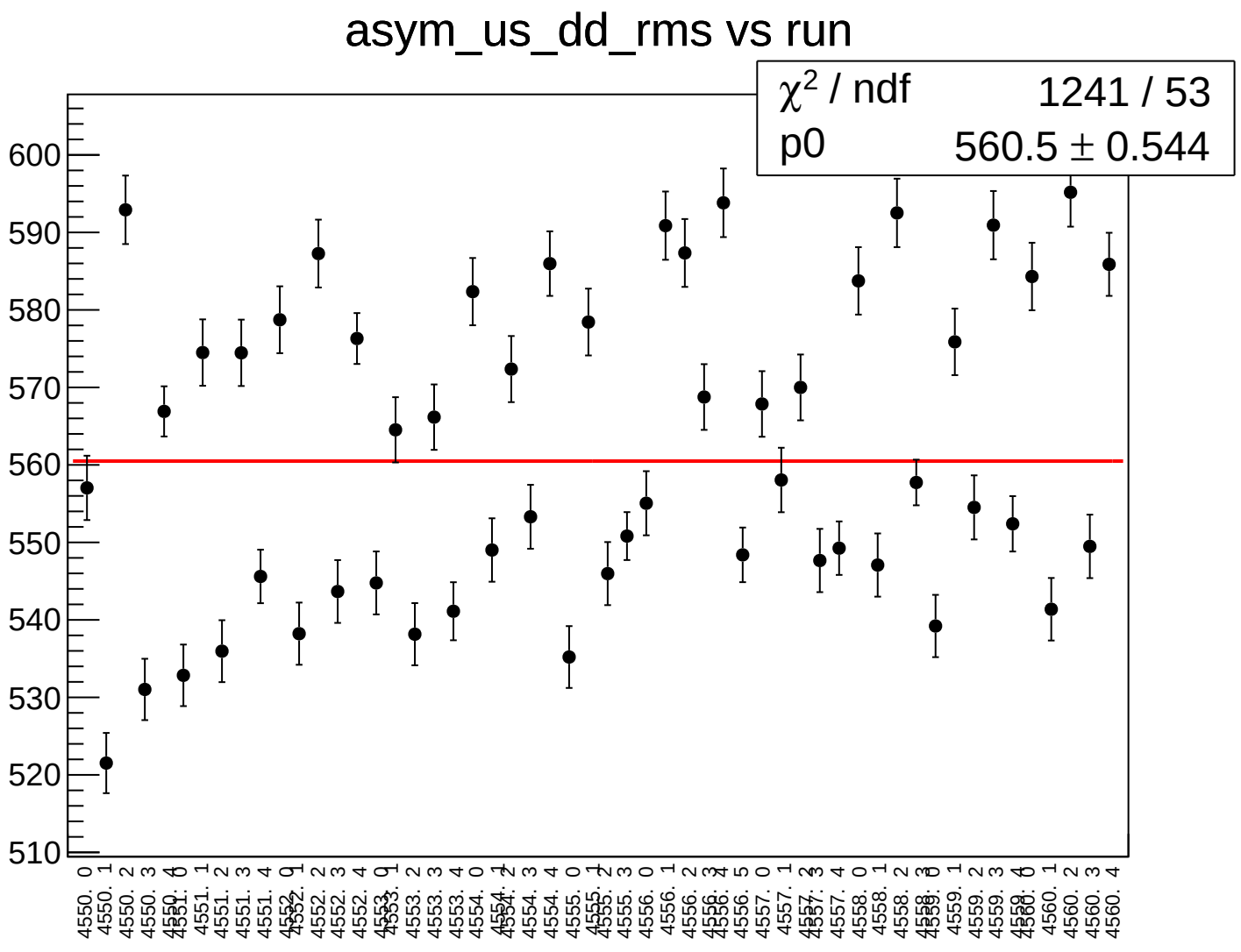

asym_us_dd_correction_mean vs run
χ² / ndf 74.64 / 53
p0 15.91 ± 758.4
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 79.39
Std Dev 46.26
3
2
1
0
−1
−2

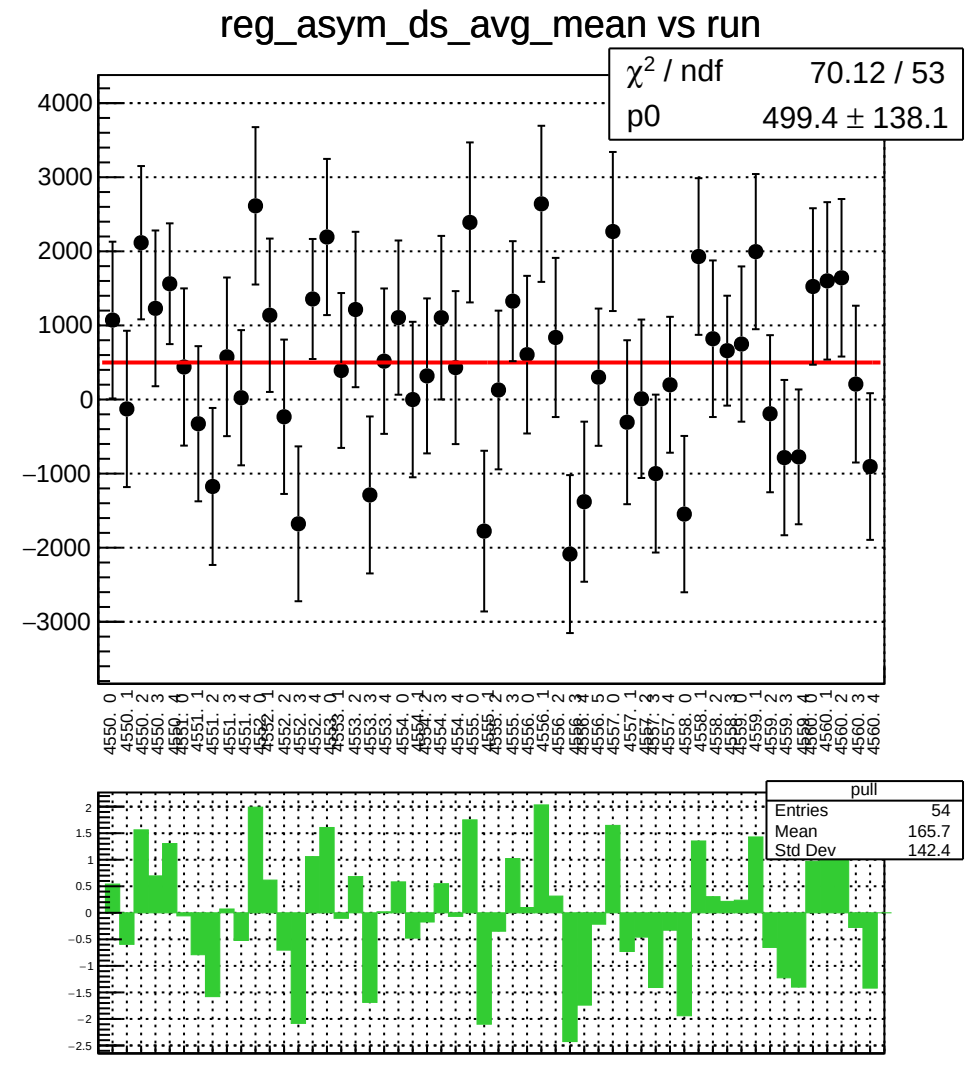

pull1D
Entries 54
Mean −0.01272
Std Dev 1.176
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

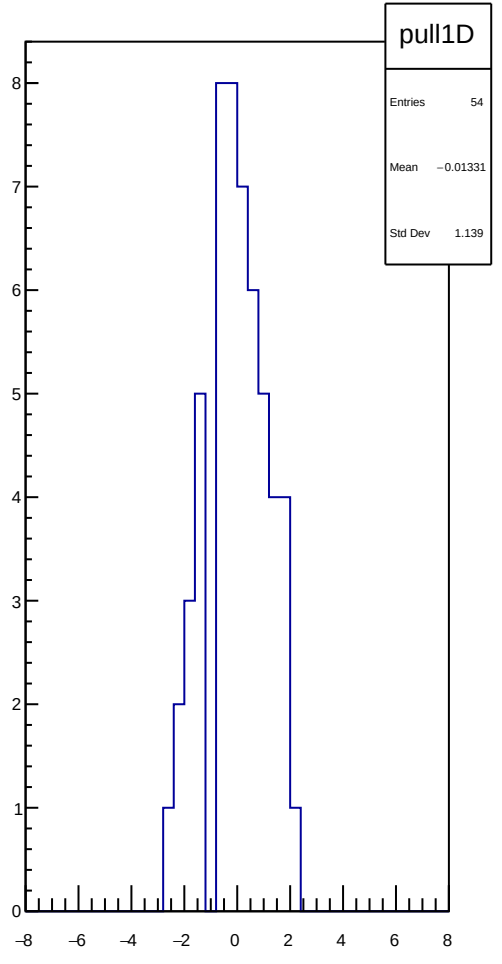

asym_us_dd_correction_rms vs run
χ² / ndf 1307 / 53
p0 552.6 ± 0.5363
600
590
580
570
560
550
540
530
520
510
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

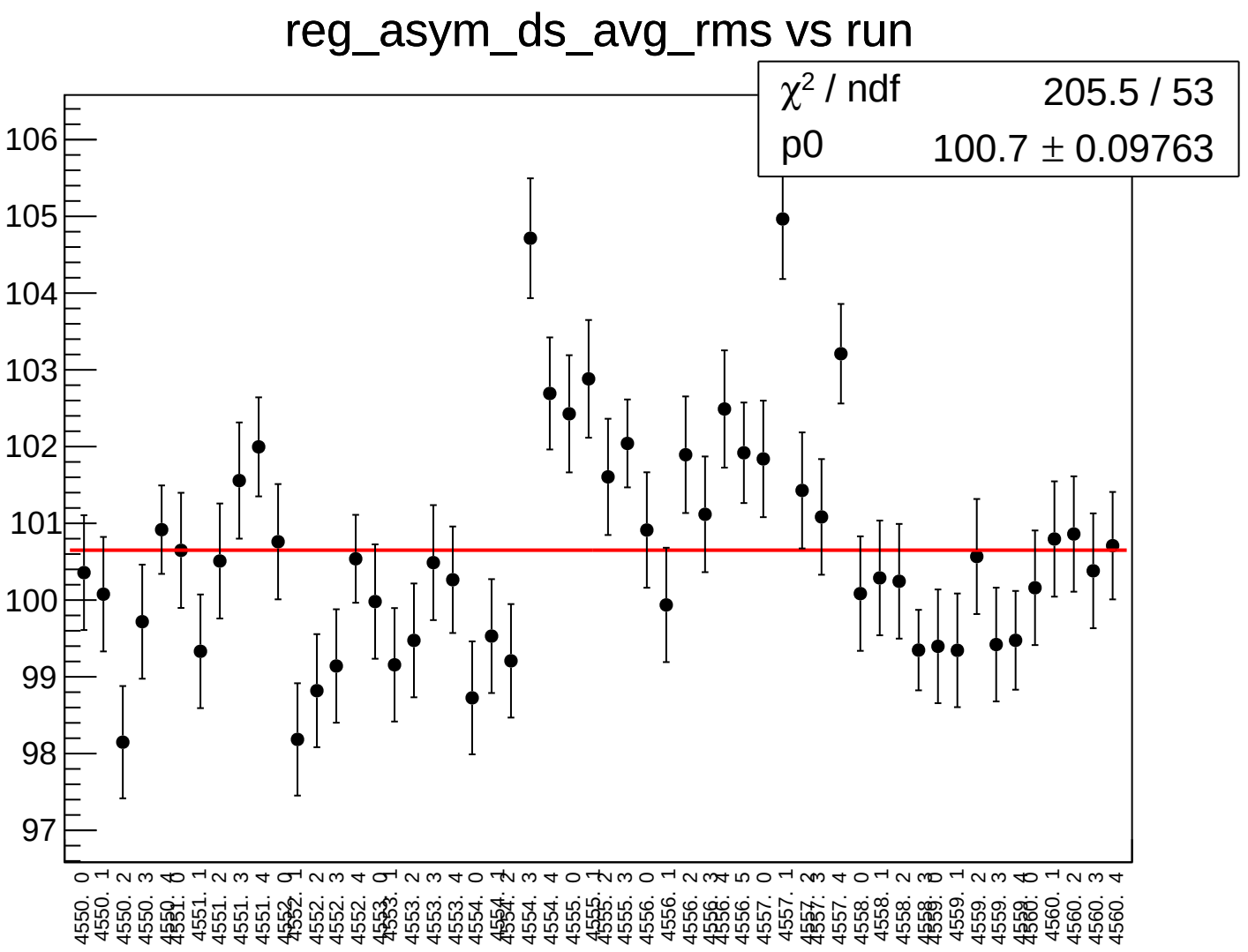

asym_us_dd_mean vs run
χ² / ndf 76.53 / 53
p0 −263.5 ± 769.3
pull
Entries 54
Mean 95.04
Std Dev 12.55


pull1D
Entries 54
Mean 0.01404
Std Dev 1.19


asym_us_dd_rms vs run
χ^2 / ndf 1241 / 53
p0 560.5 ± 0.544
600
590
580
570
560
550
540
530
520
510
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


reg_asym_ds_avg_mean vs run
χ² / ndf 70.12 / 53
p0 499.4 ± 138.1
pull
Entries 54
Mean 165.7
Std Dev 142.4


pull1D
Entries 54
Mean −0.01331
Std Dev 1.139


reg_asym_ds_avg_rms vs run
χ² / ndf 205.5 / 53
p0 100.7 ± 0.09763
106
105
104
103
102
101
100
99
98
97
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
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4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
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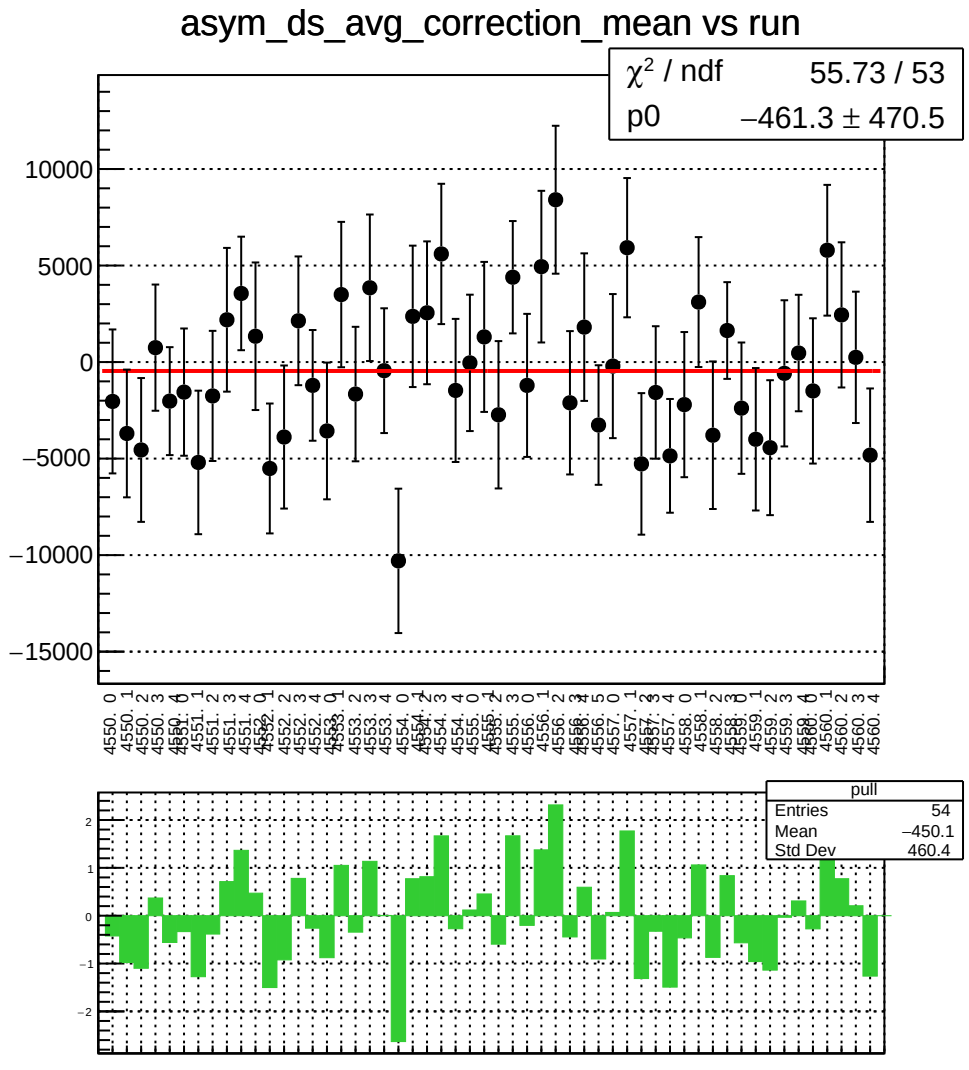
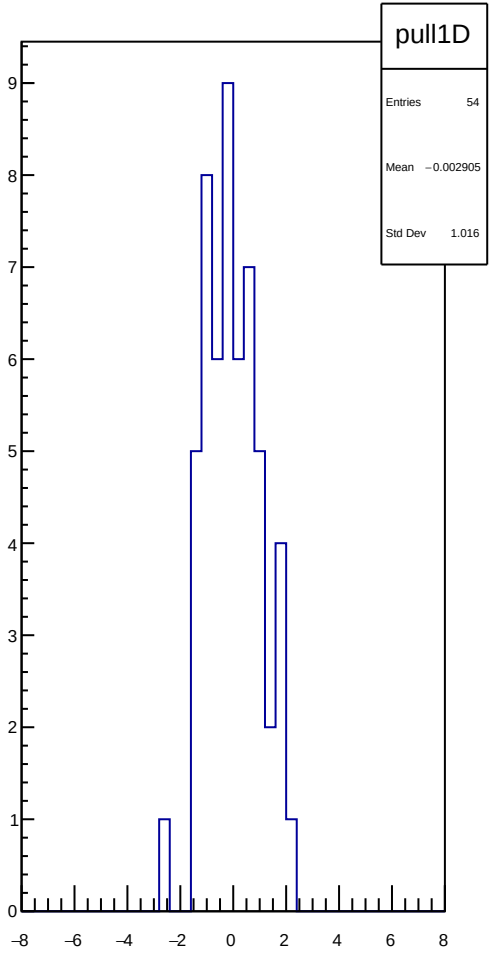
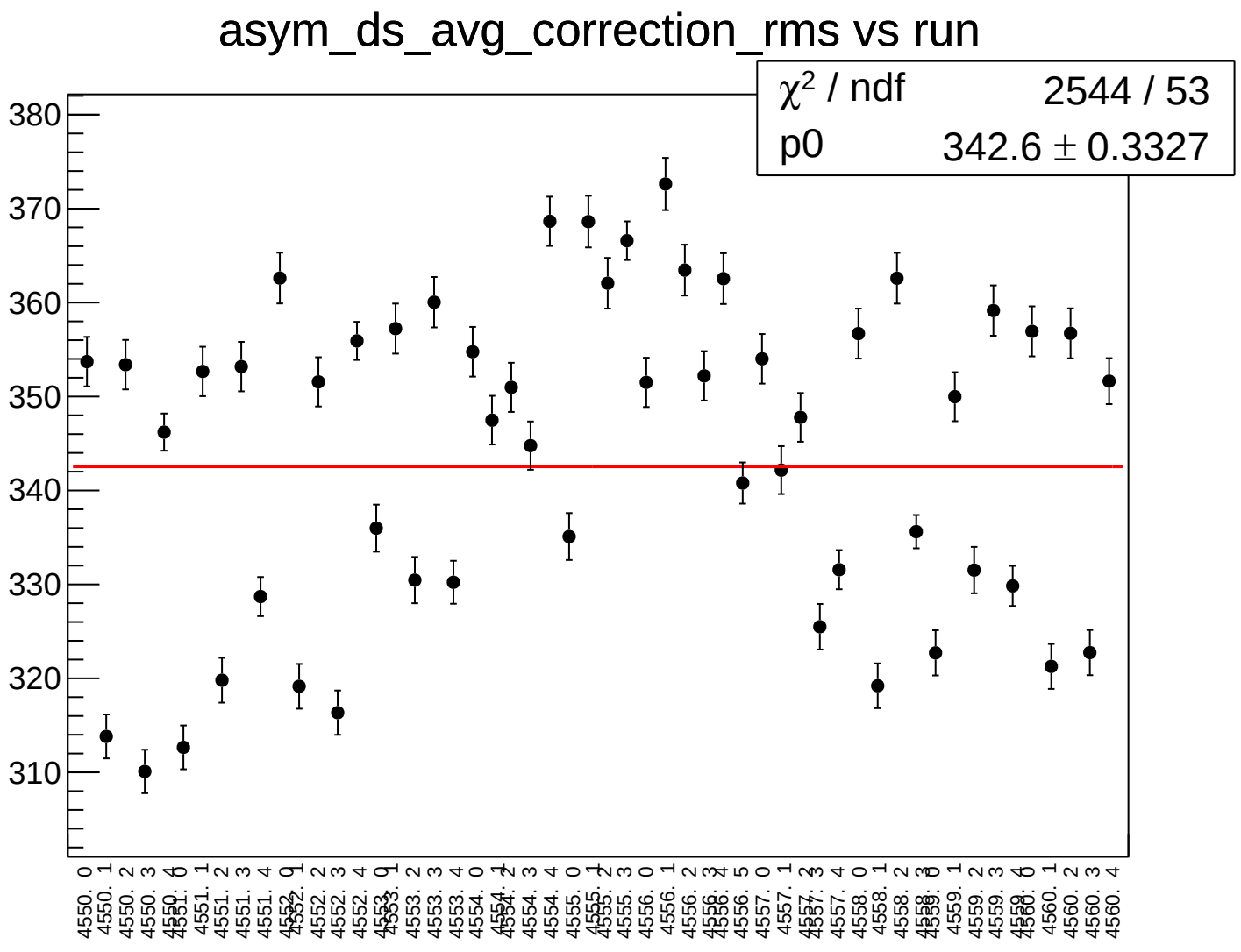
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_ds_avg_correction_mean vs run
χ² / ndf 55.73 / 53
p0 −461.3 ± 470.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −450.1
Std Dev 460.4
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.002905
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_avg_correction_rms vs run
χ² / ndf 2544 / 53
p0 342.6 ± 0.3327
380
370
360
350
340
330
320
310
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
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4553. 2
4553. 3
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4554. 2
4554. 3
4554. 4
4555. 0
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4555. 2
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4557. 2
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4557. 4
4558. 0
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4558. 4
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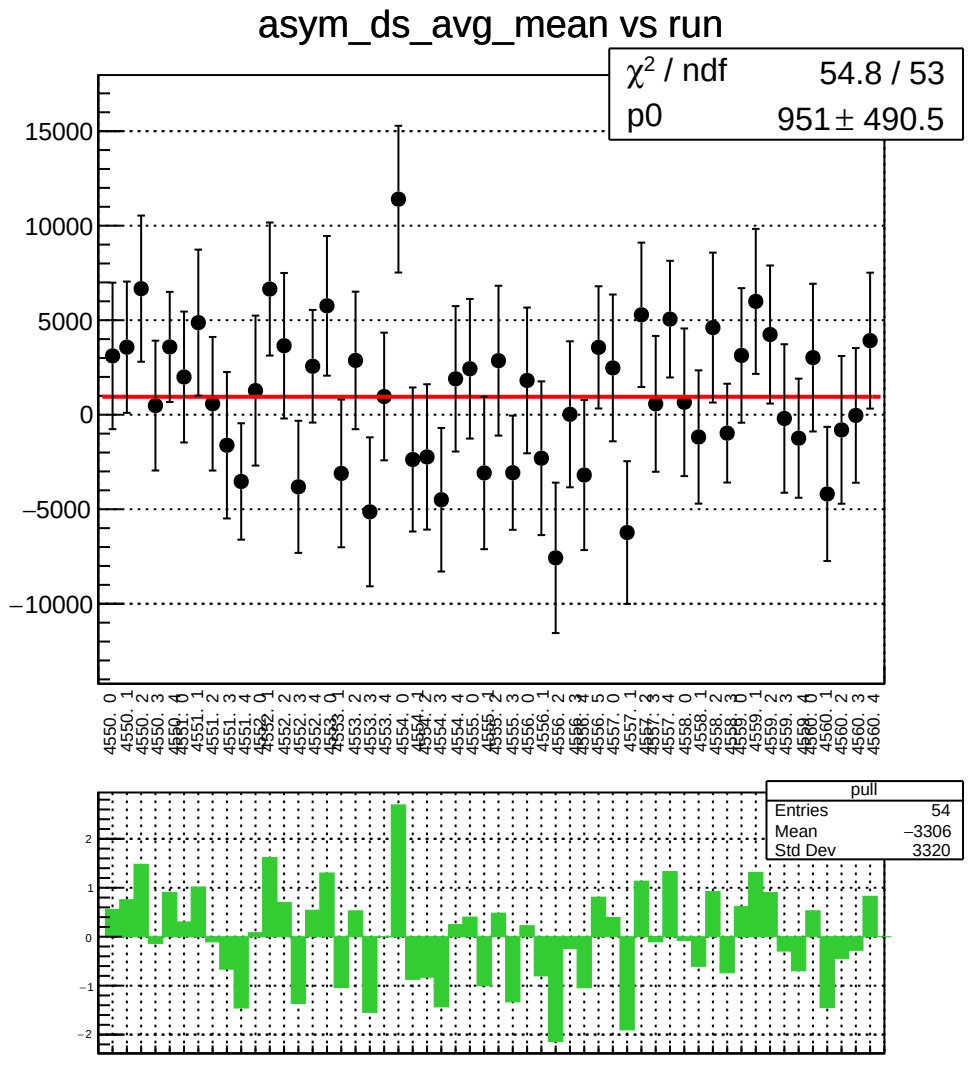
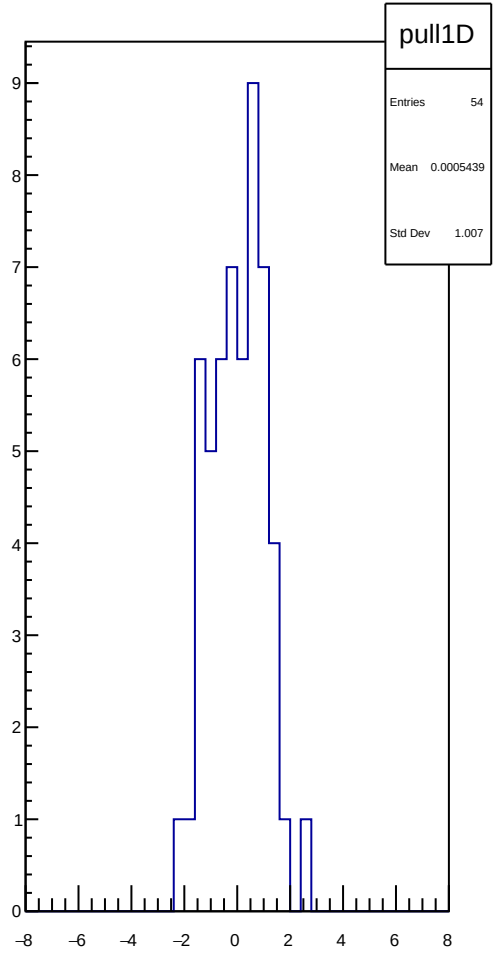
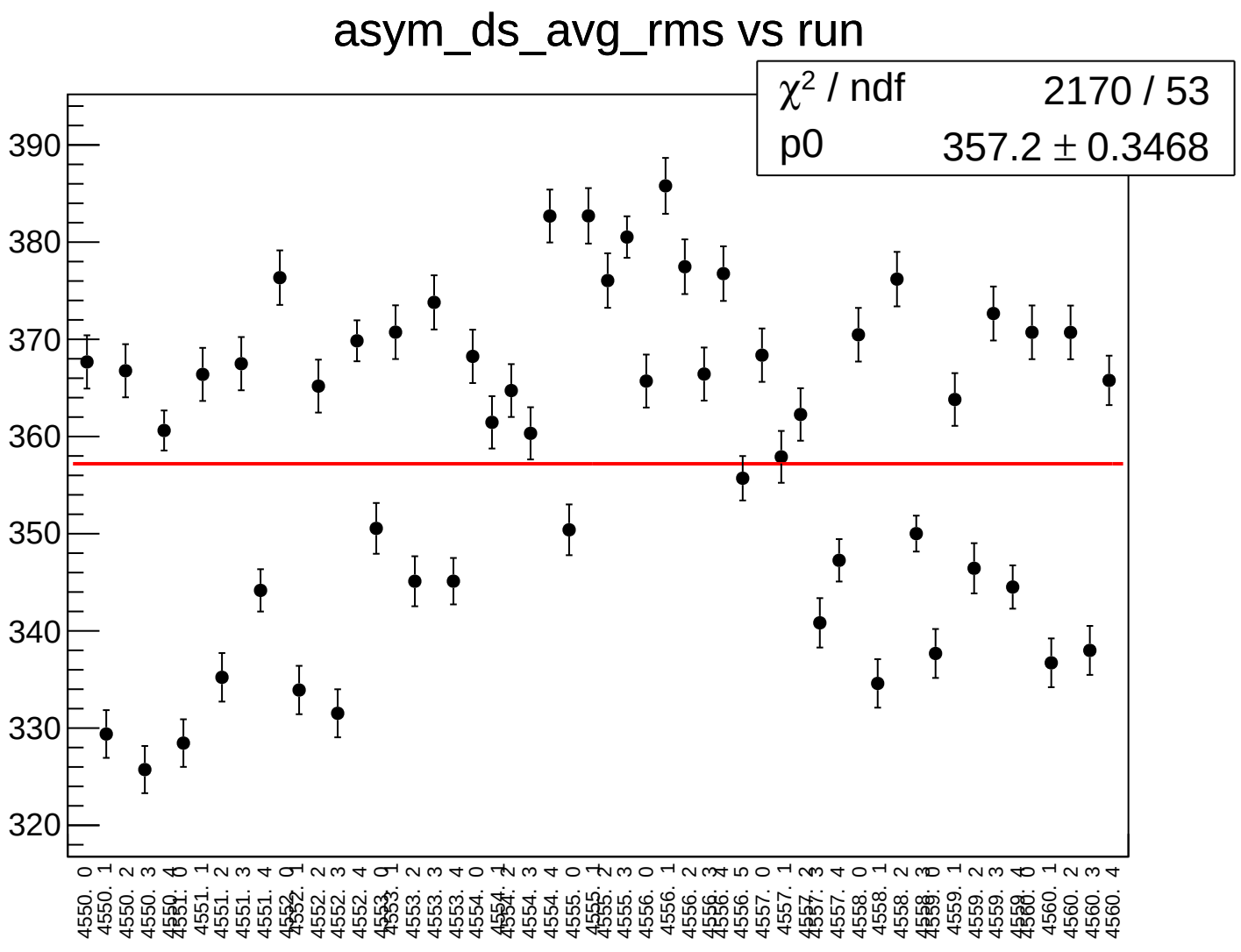
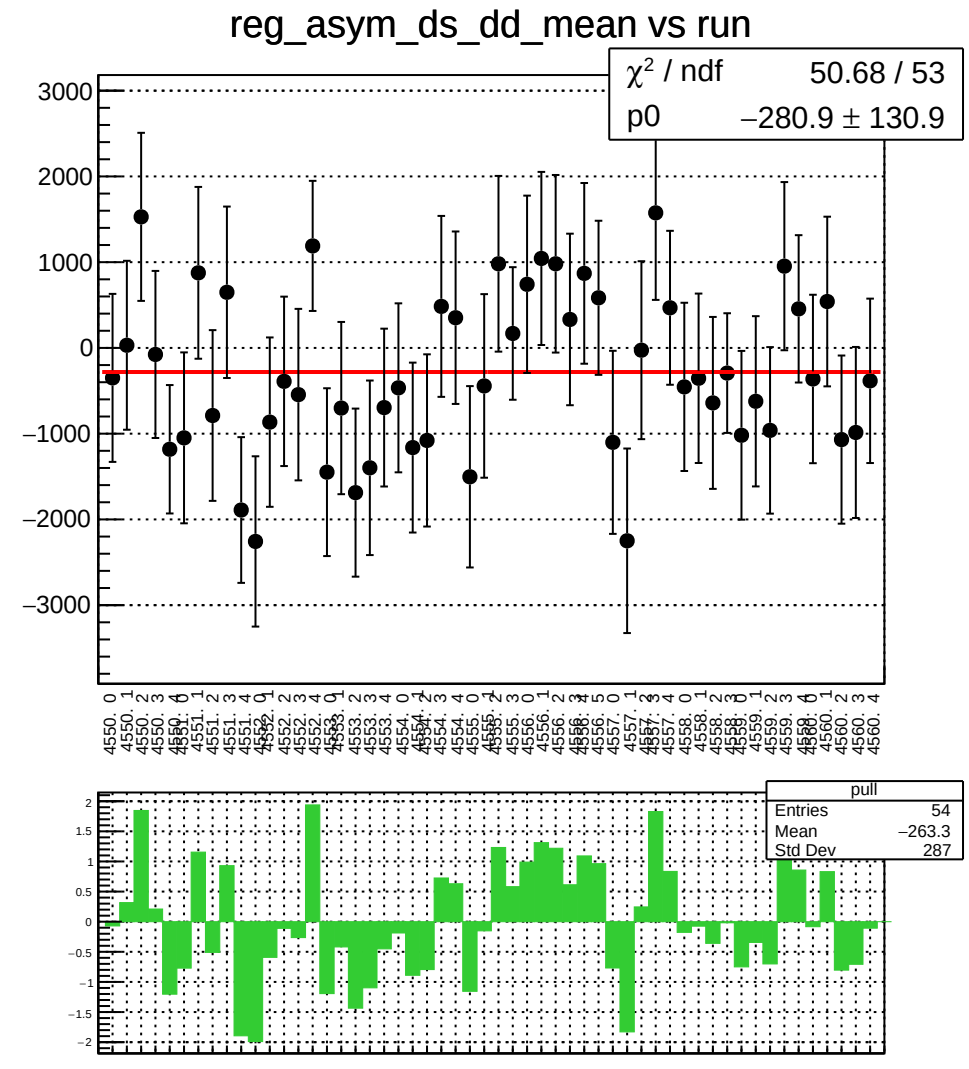
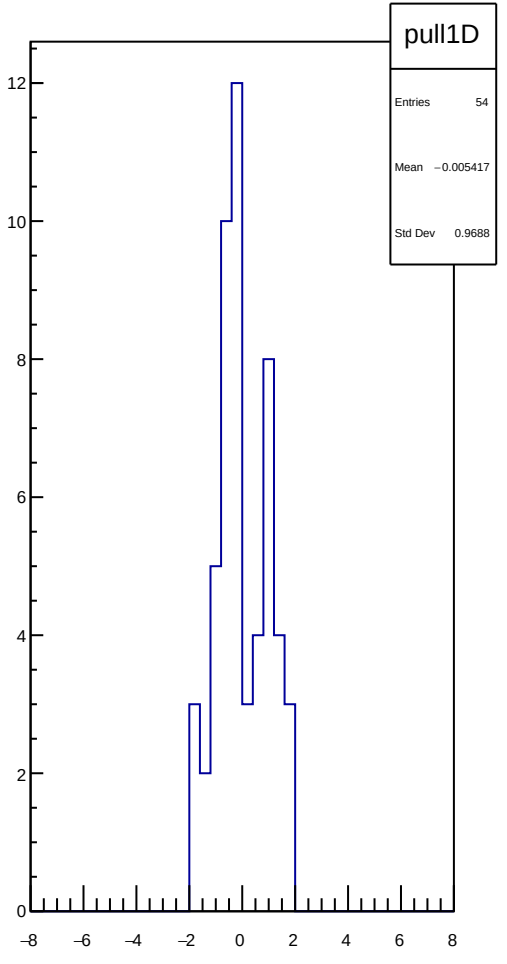
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

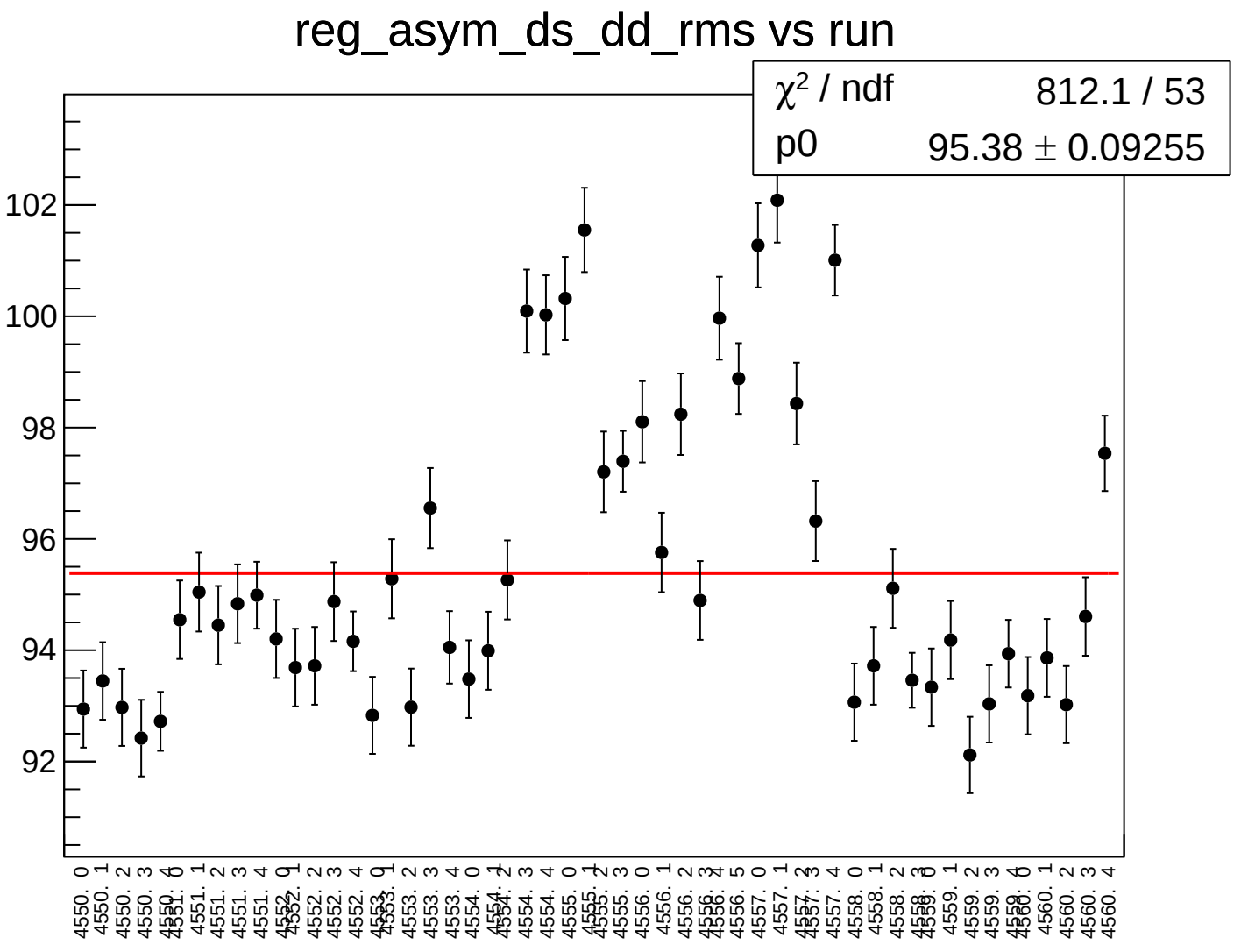

asym_ds_avg_mean vs run
χ² / ndf 54.8 / 53
p0 951 ± 490.5
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −3306
Std Dev 3320
2
1
0
−1
−2

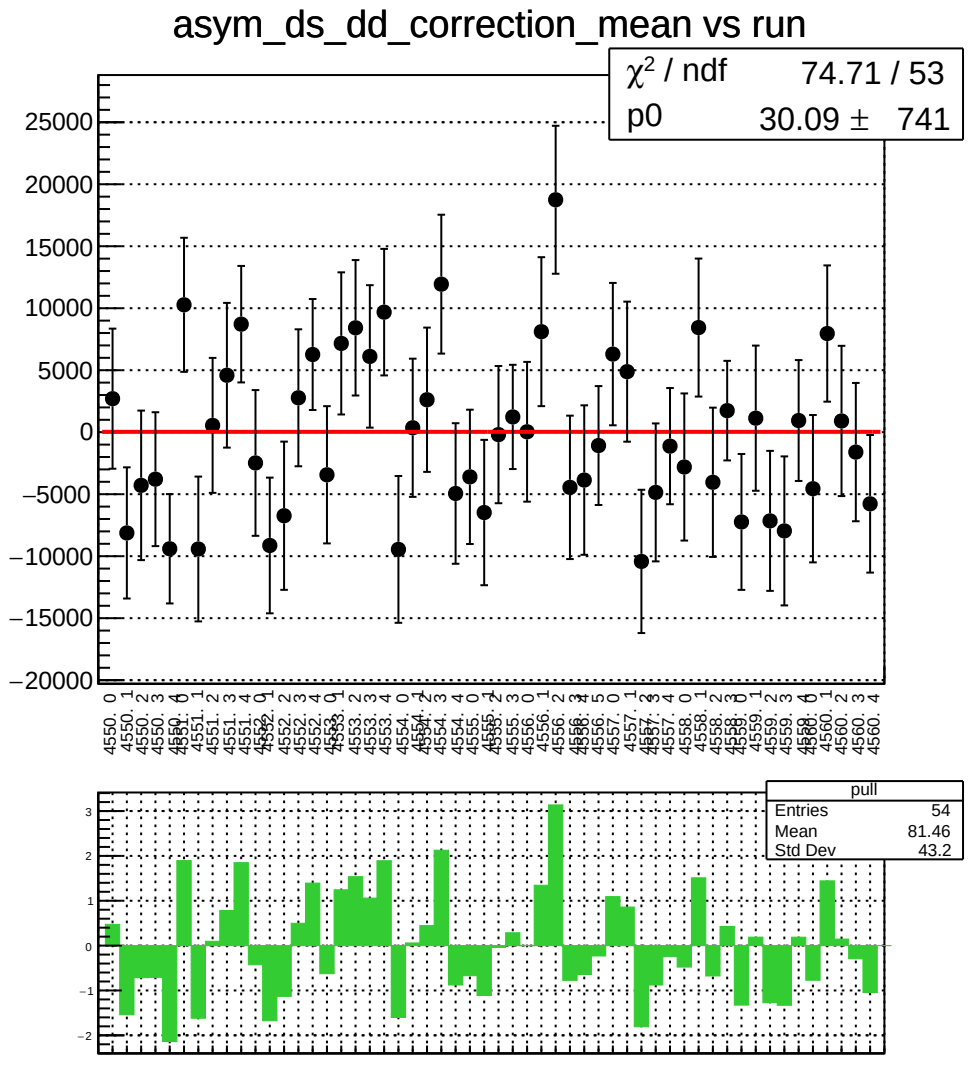

pull1D
Entries 54
Mean 0.0005439
Std Dev 1.007
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

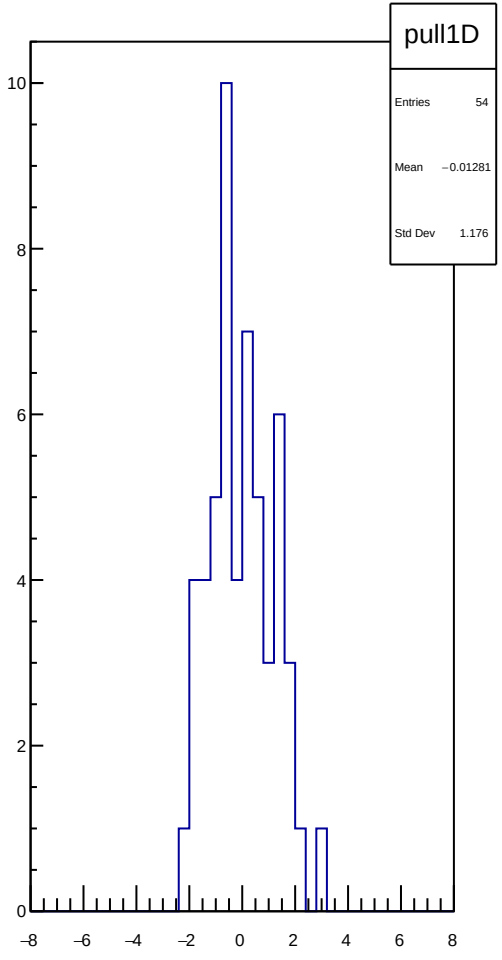

asym_ds_avg_rms vs run
χ² / ndf 2170 / 53
p0 357.2 ± 0.3468
390
380
370
360
350
340
330
320
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

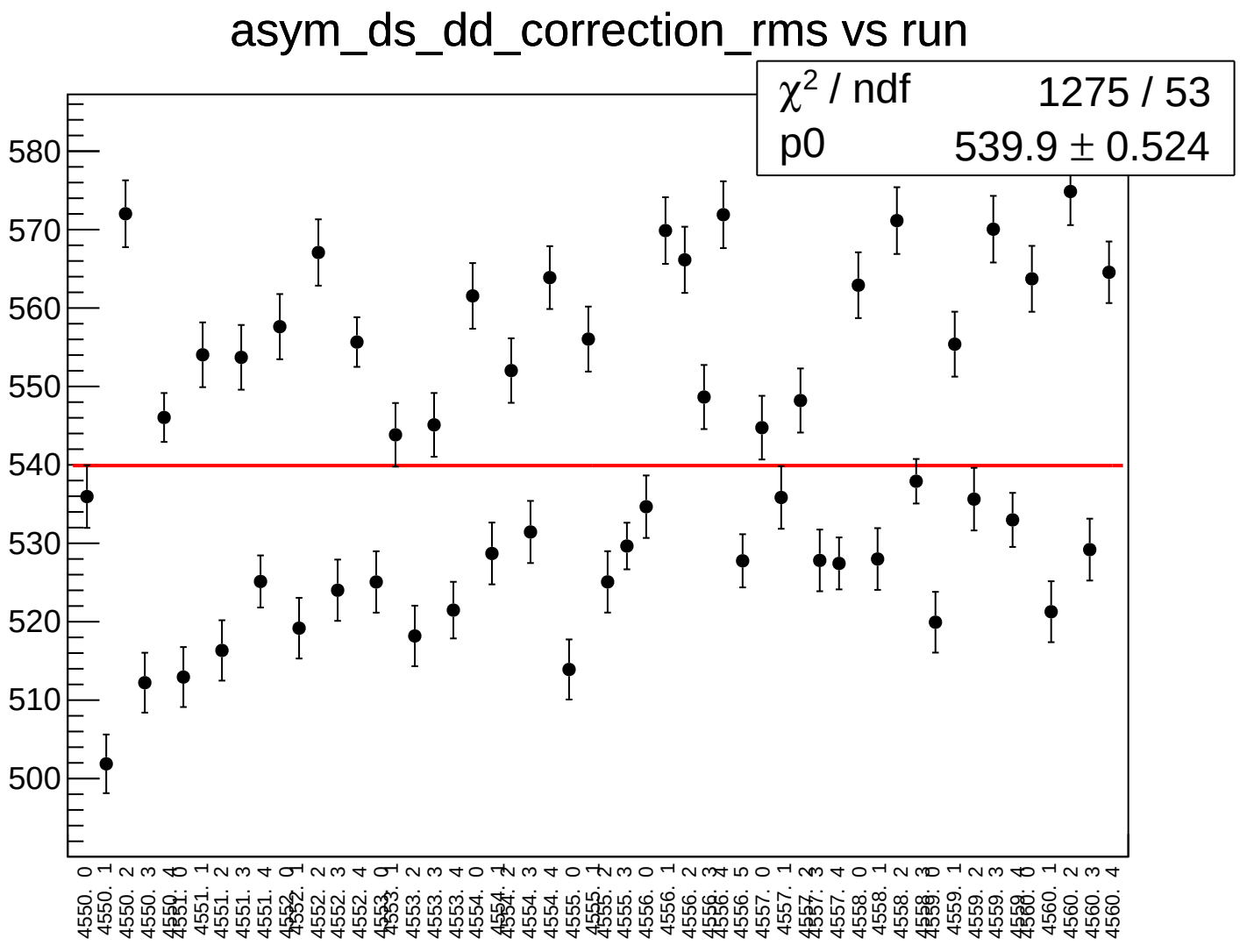

reg_asym_ds_dd_mean vs run
χ² / ndf 50.68 / 53
p0 −280.9 ± 130.9
pull
Entries 54
Mean −263.3
Std Dev 287

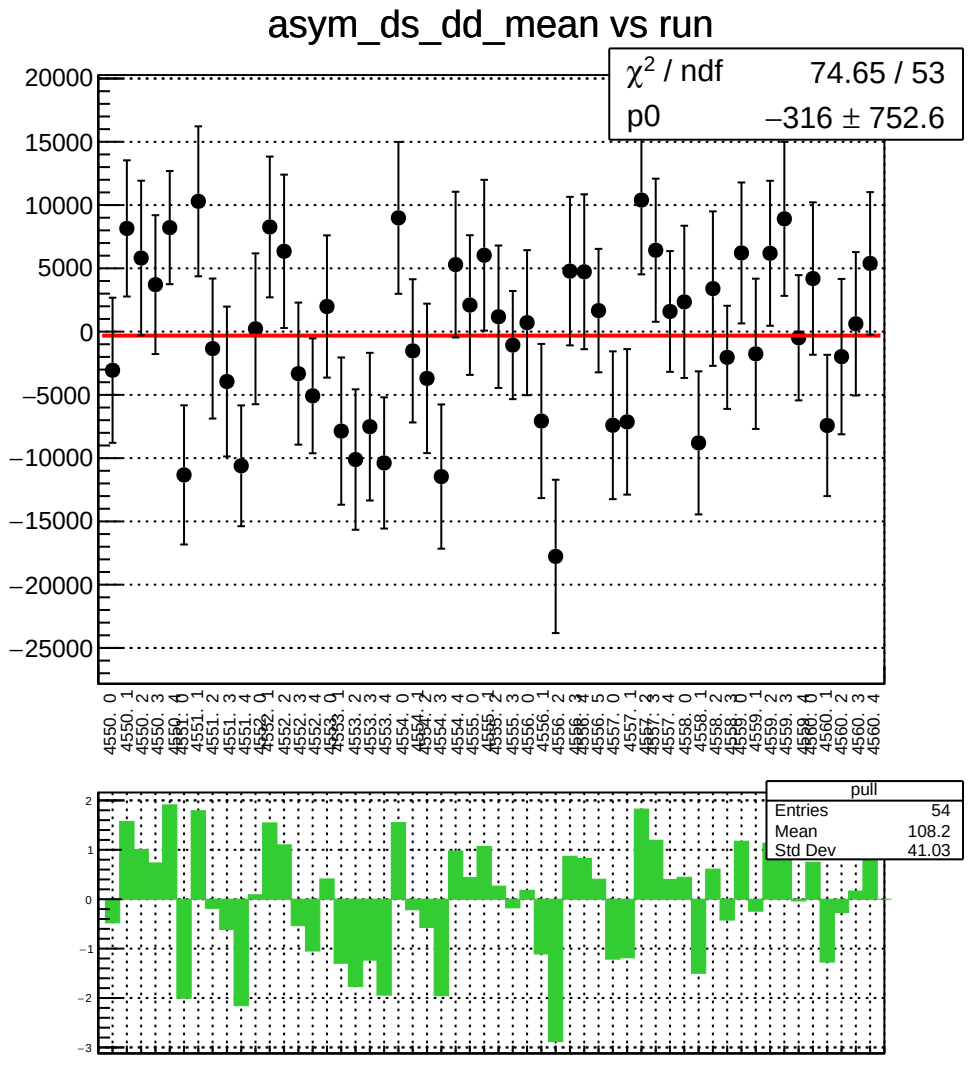

pull1D
Entries 54
Mean −0.005417
Std Dev 0.9688

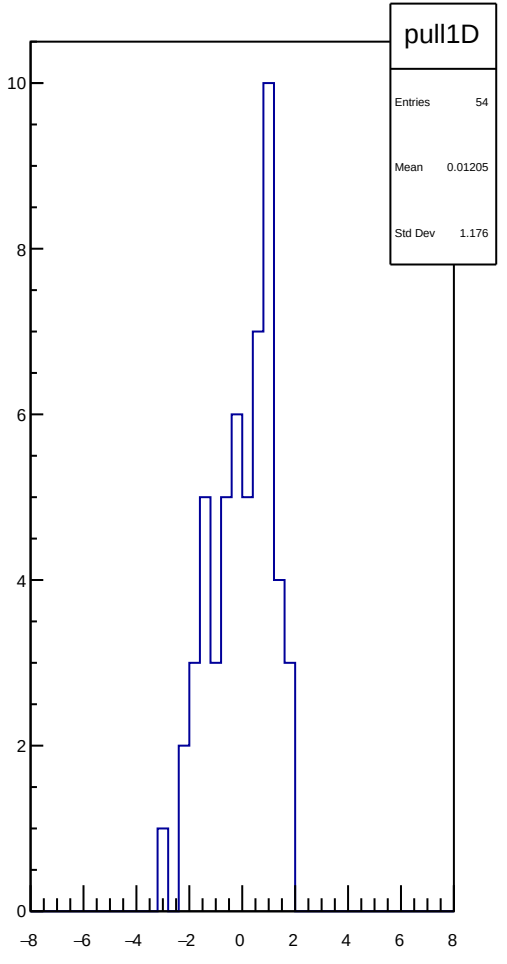

reg_asym_ds_dd_rms vs run
χ² / ndf 812.1 / 53
p0 95.38 ± 0.09255
102
100
98
96
94
92
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

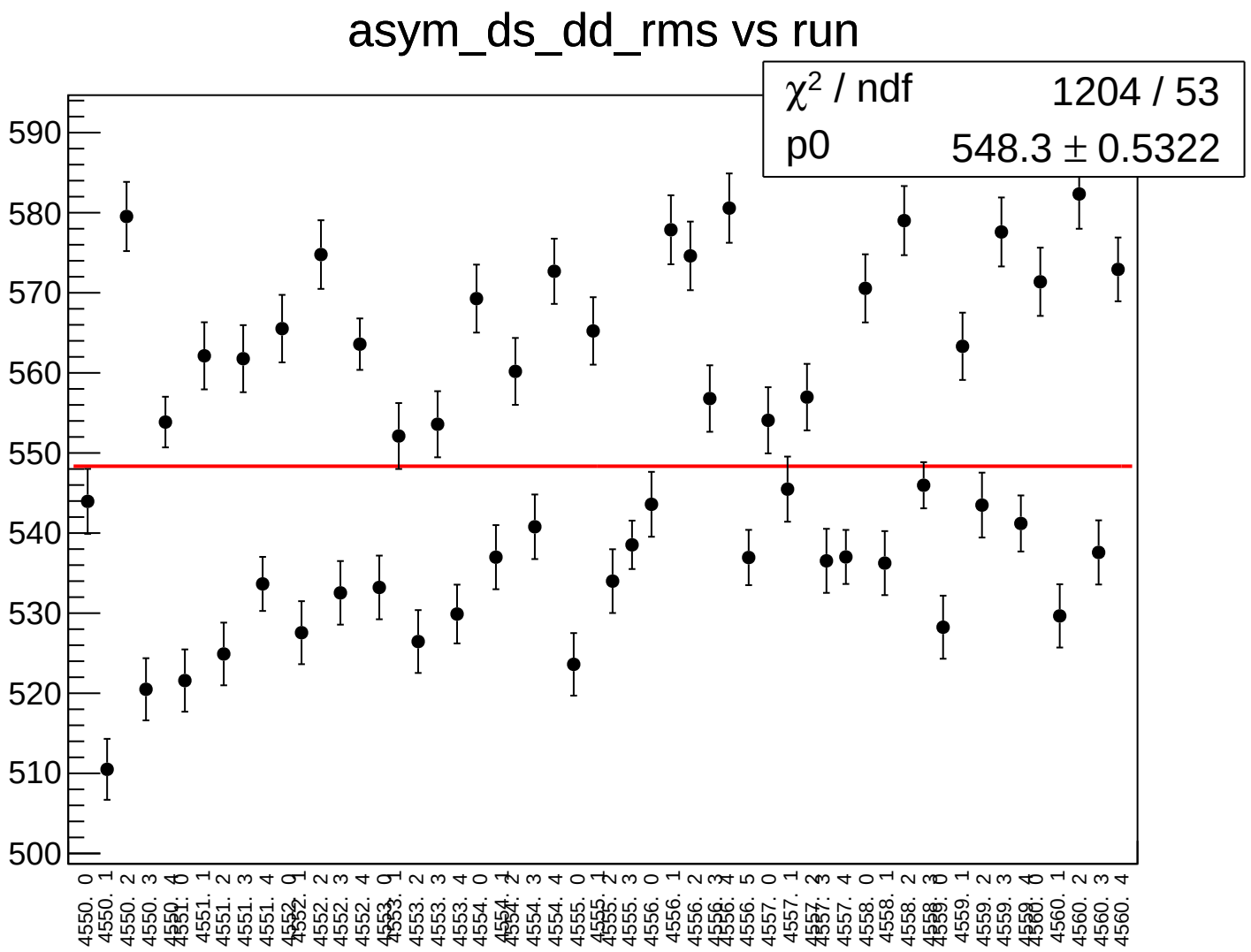

asym_ds_dd_correction_mean vs run
χ² / ndf 74.71 / 53
p0 30.09 ± 741
pull
Entries 54
Mean 81.46
Std Dev 43.2

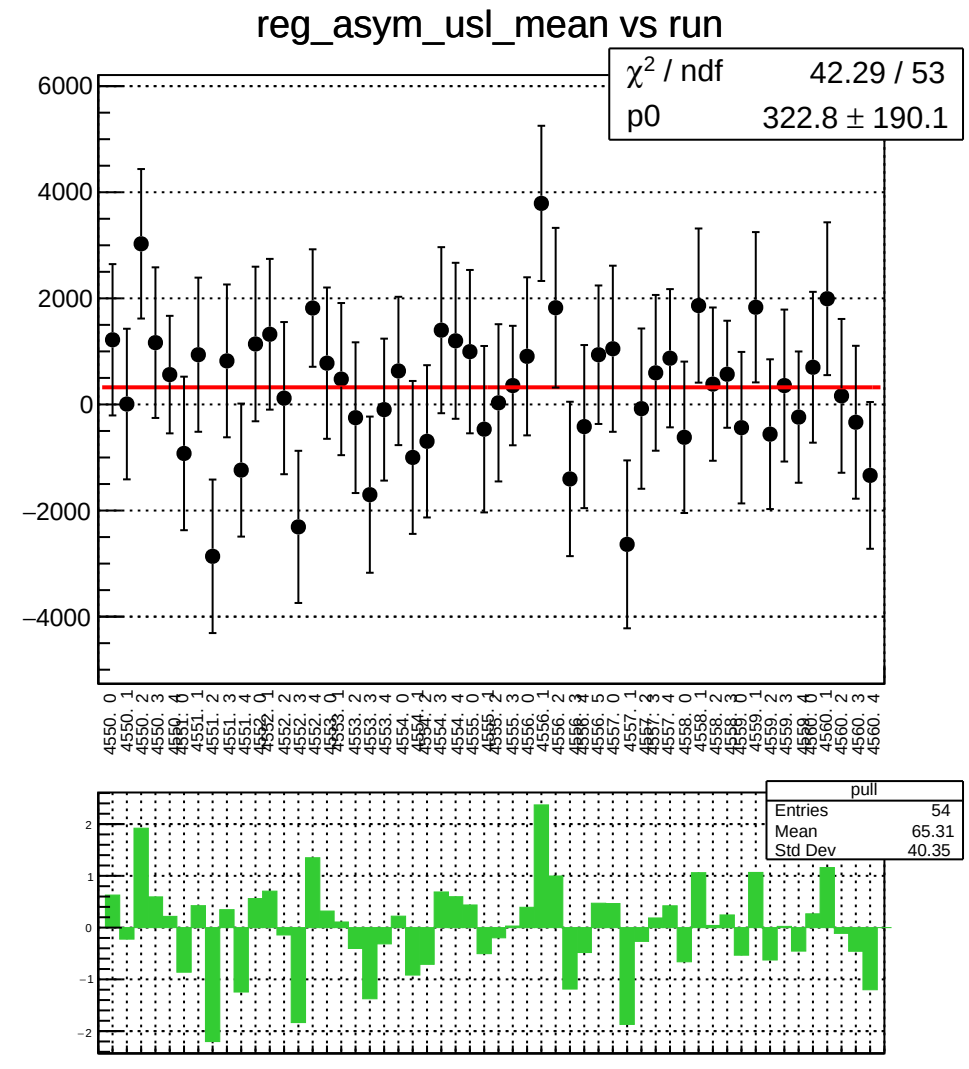

pull1D
Entries 54
Mean −0.01281
Std Dev 1.176

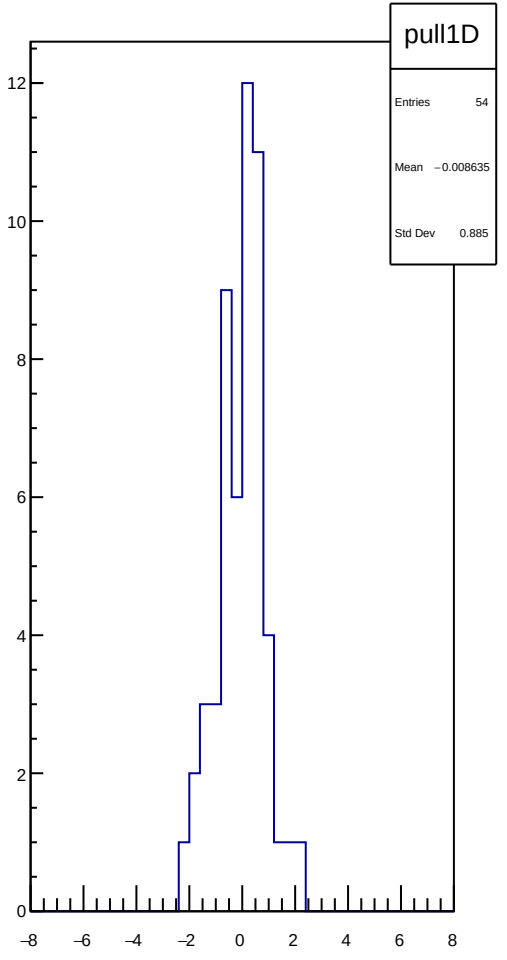

asym_ds_dd_correction_rms vs run
χ² / ndf 1275 / 53
p0 539.9 ± 0.524
580
570
560
550
540
530
520
510
500
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

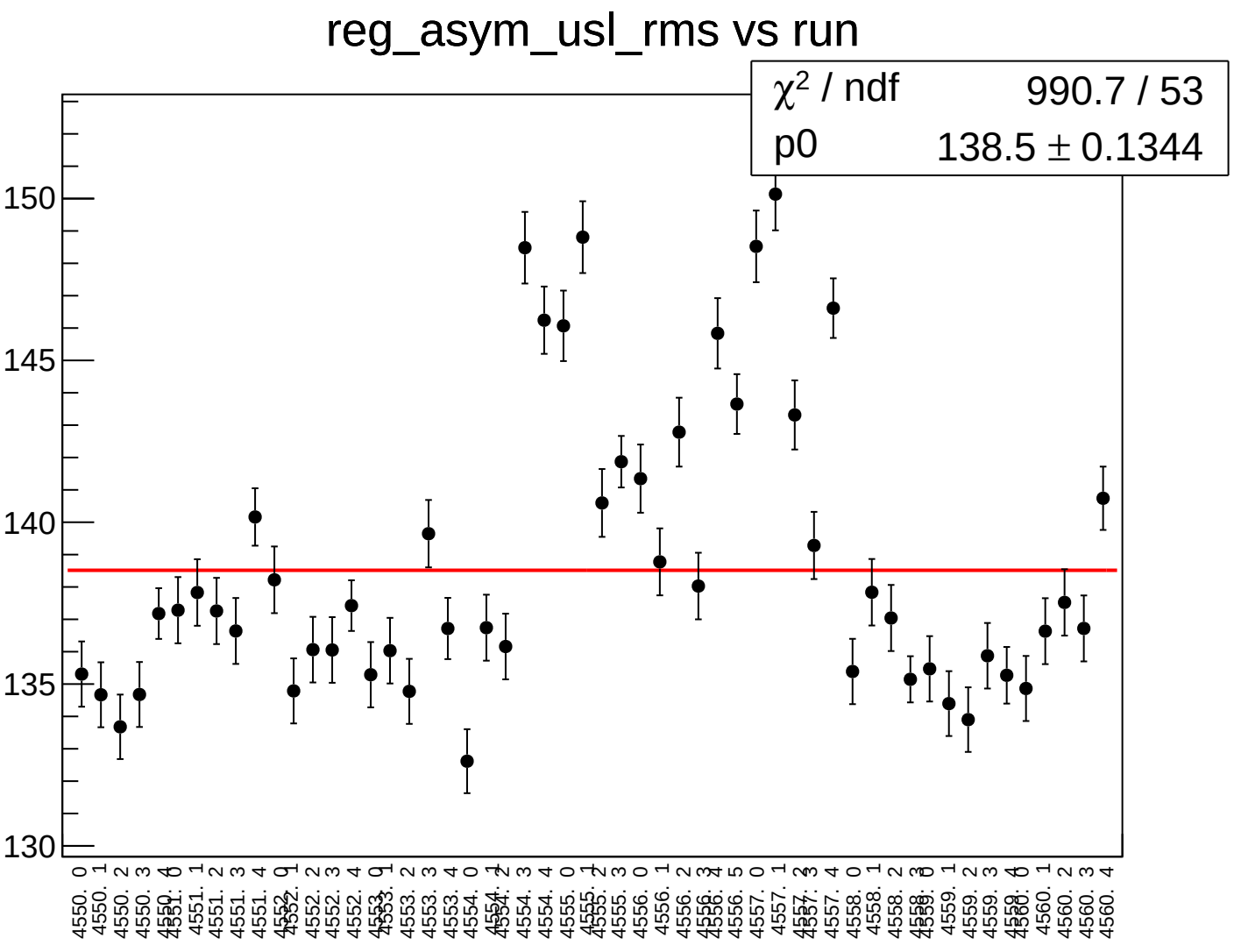

asym_ds_dd_mean vs run
χ² / ndf 74.65 / 53
p0 −316 ± 752.6
pull
Entries 54
Mean 108.2
Std Dev 41.03

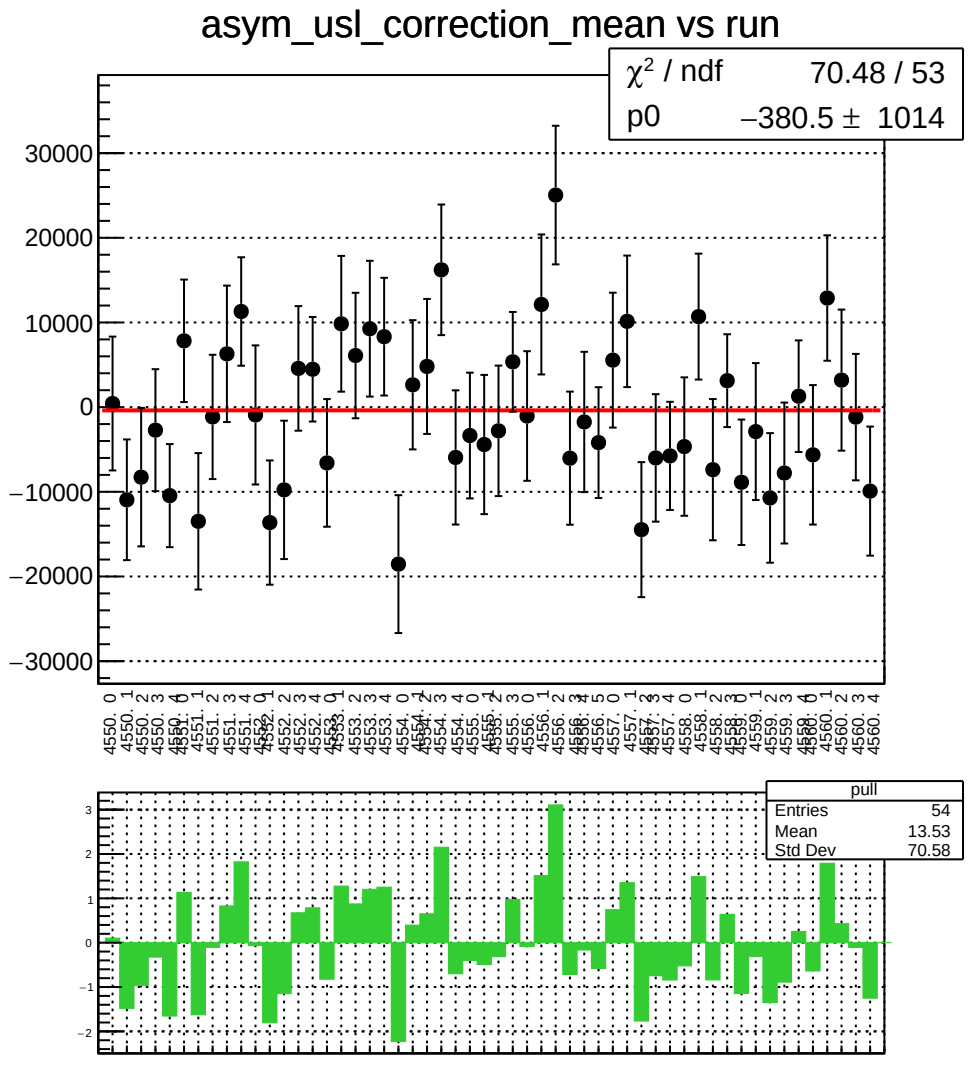

pull1D
Entries 54
Mean 0.01205
Std Dev 1.176

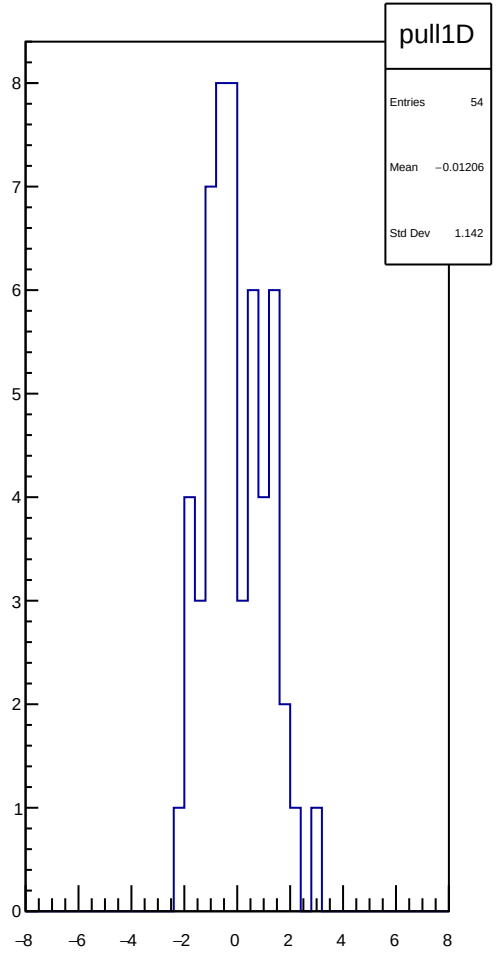

asym_ds_dd_rms vs run
χ² / ndf 1204 / 53
p0 548.3 ± 0.5322
590
580
570
560
550
540
530
520
510
500
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

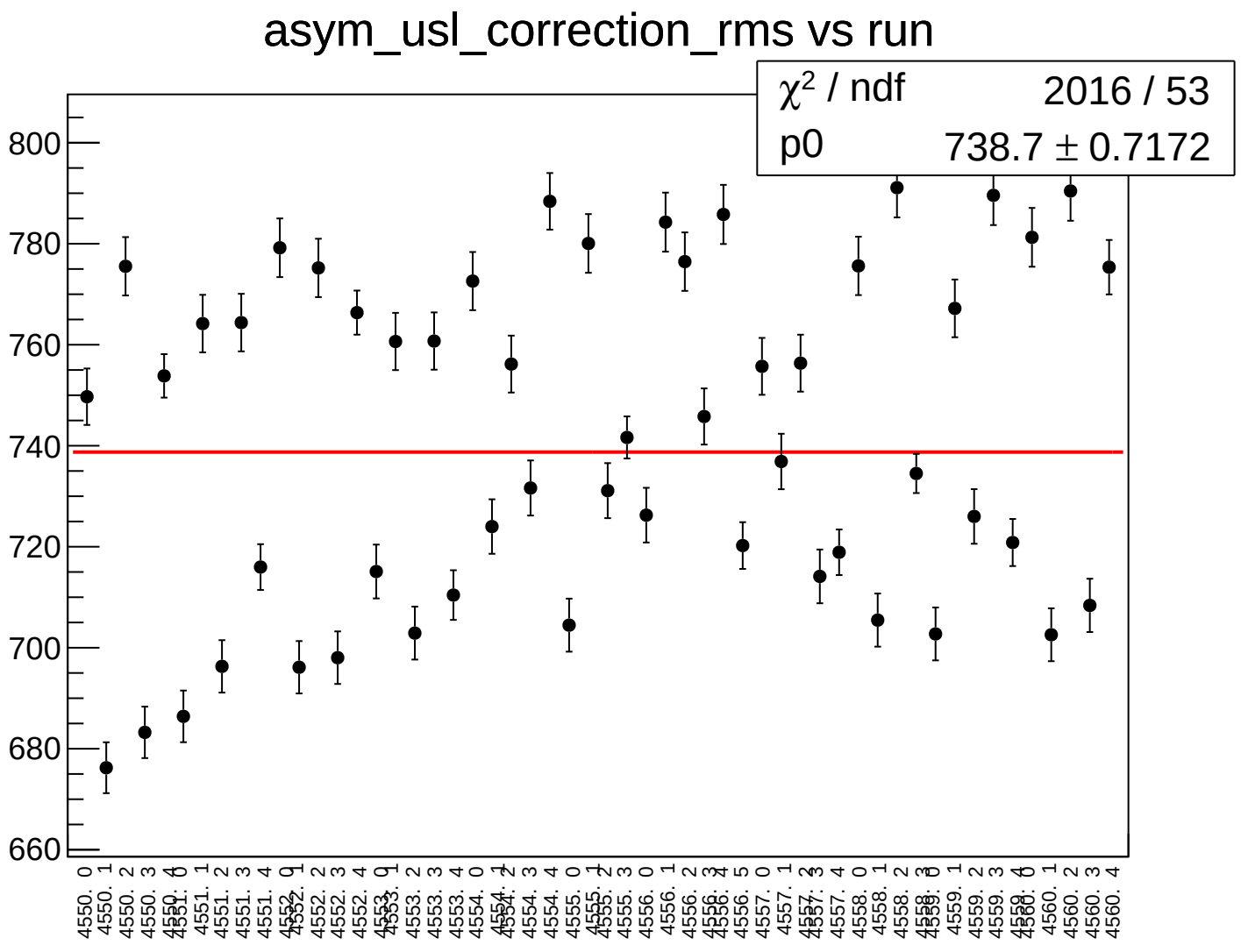

reg_asym_usl_mean vs run
χ² / ndf 42.29 / 53
p0 322.8 ± 190.1
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 65.31
Std Dev 40.35
2
1
0
−1
−2

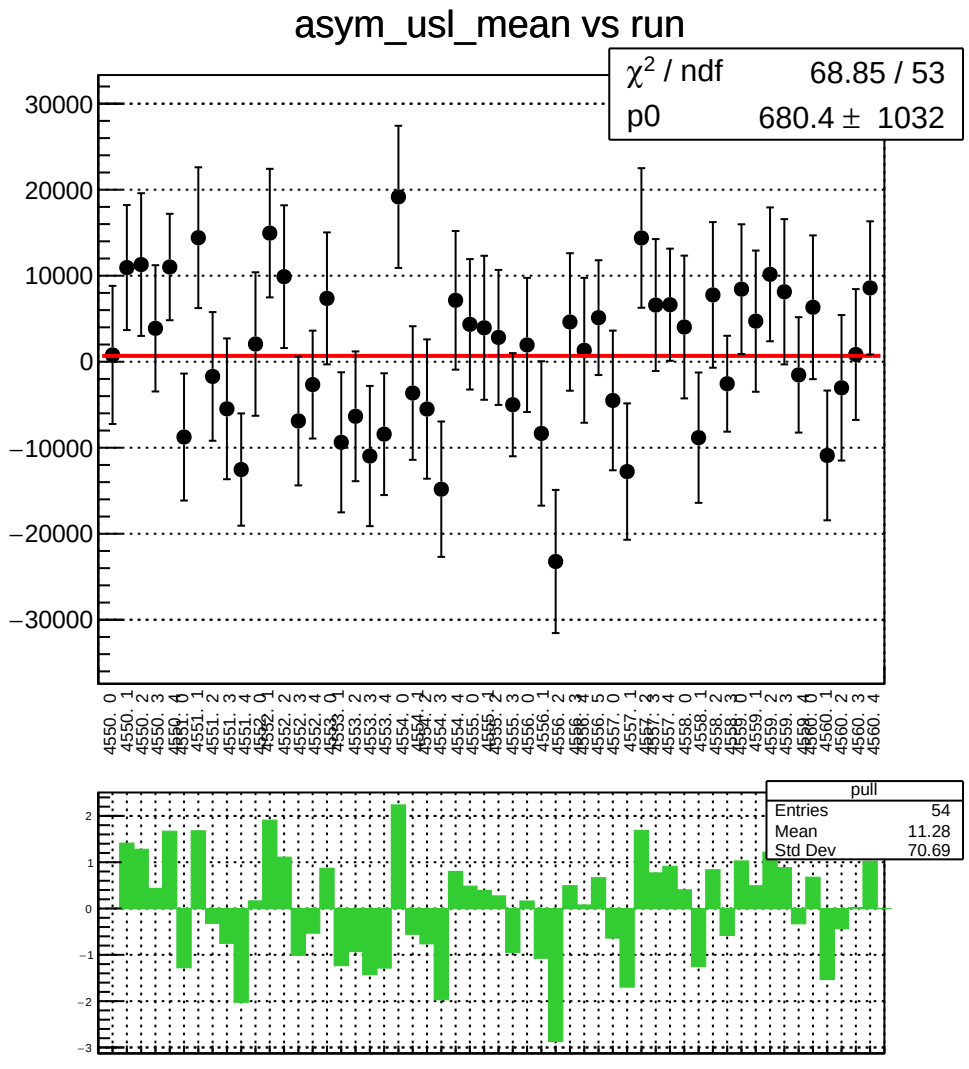

pull1D
Entries 54
Mean −0.008635
Std Dev 0.885
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

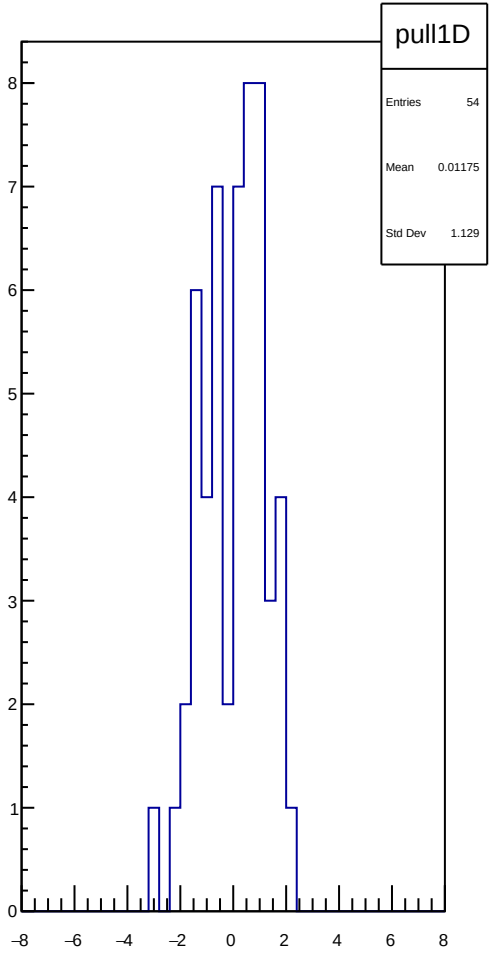

reg_asym_usl_rms vs run
χ² / ndf 990.7 / 53
p0 138.5 ± 0.1344
150
145
140
135
130

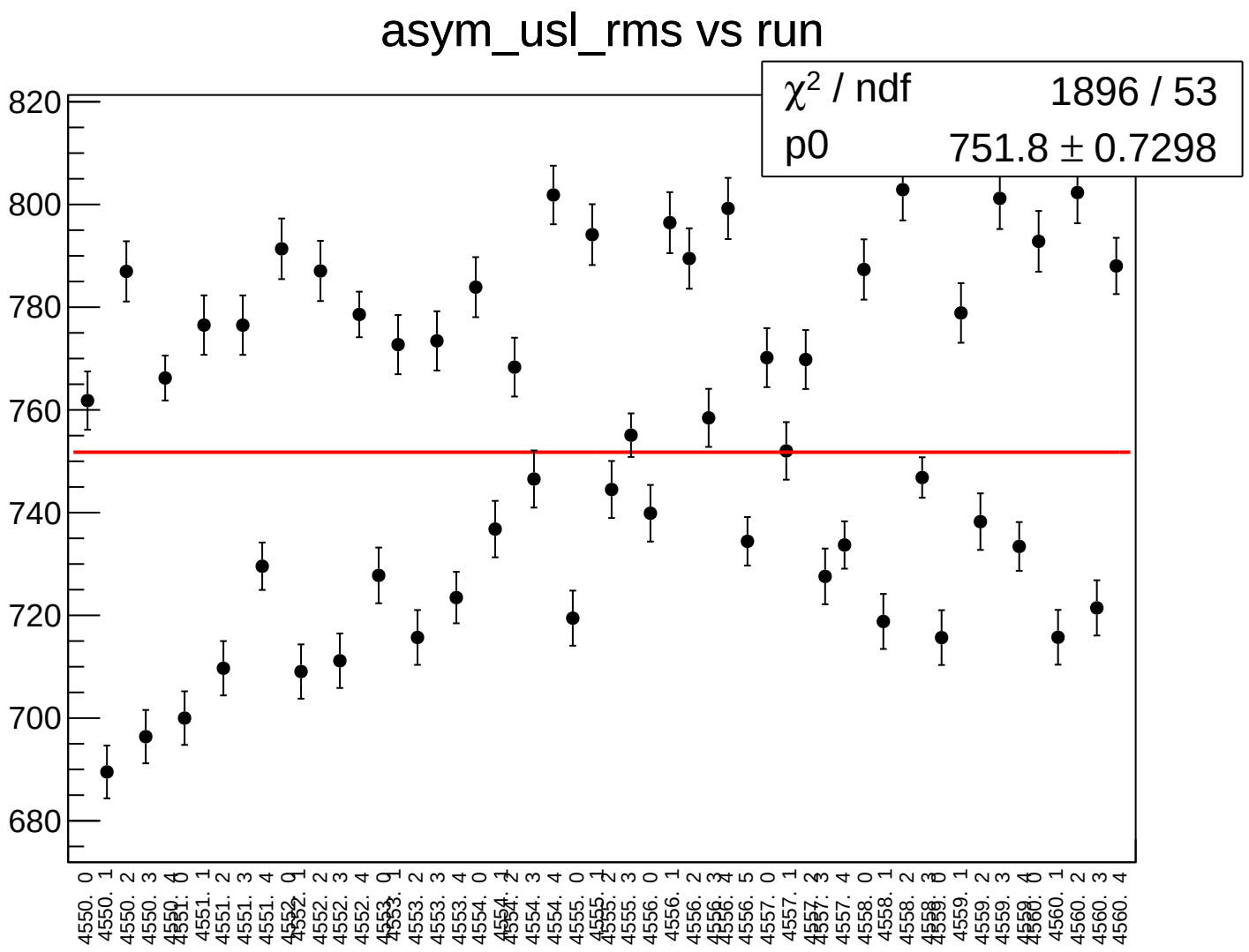

asym_usl_correction_mean vs run
χ² / ndf 70.48 / 53
p0 −380.5 ± 1014
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean 13.53
Std Dev 70.58
3
2
1
0
−1
−2

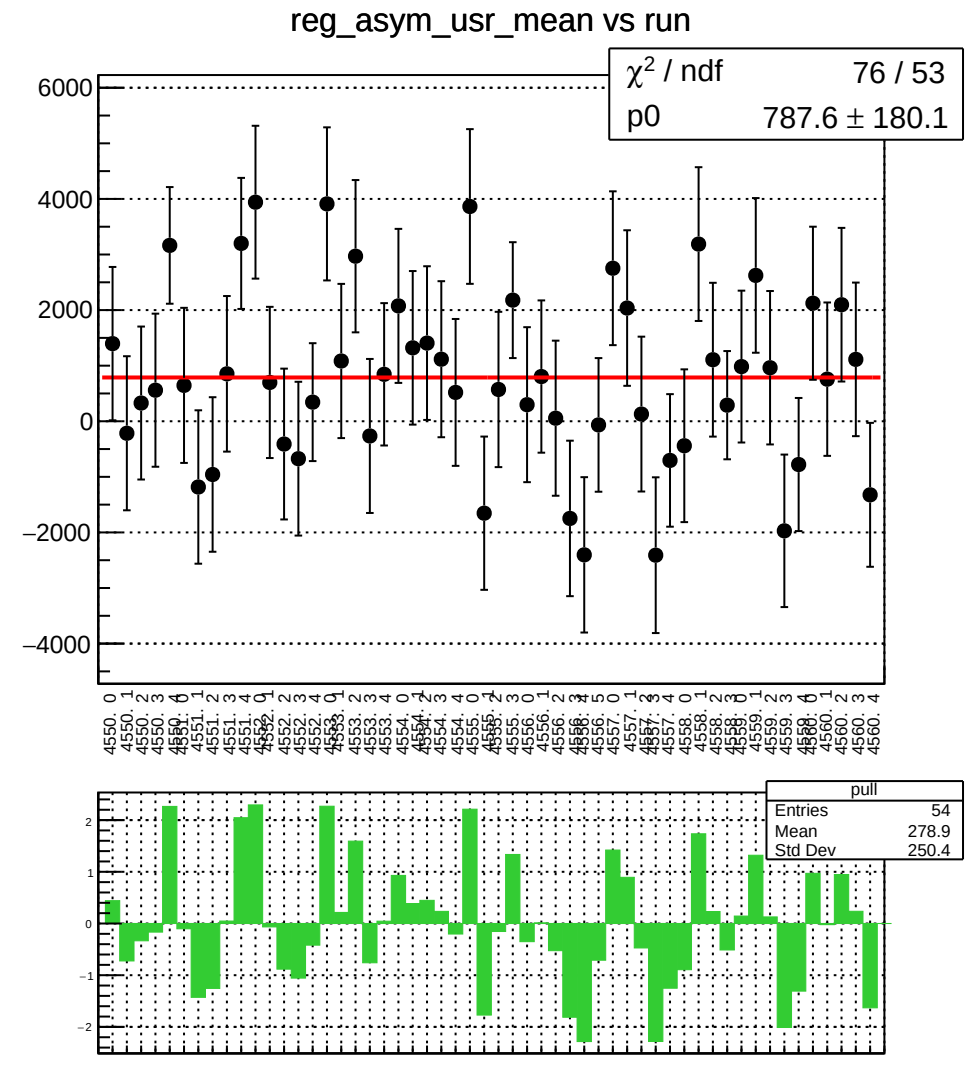

pull1D
Entries 54
Mean −0.01206
Std Dev 1.142
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

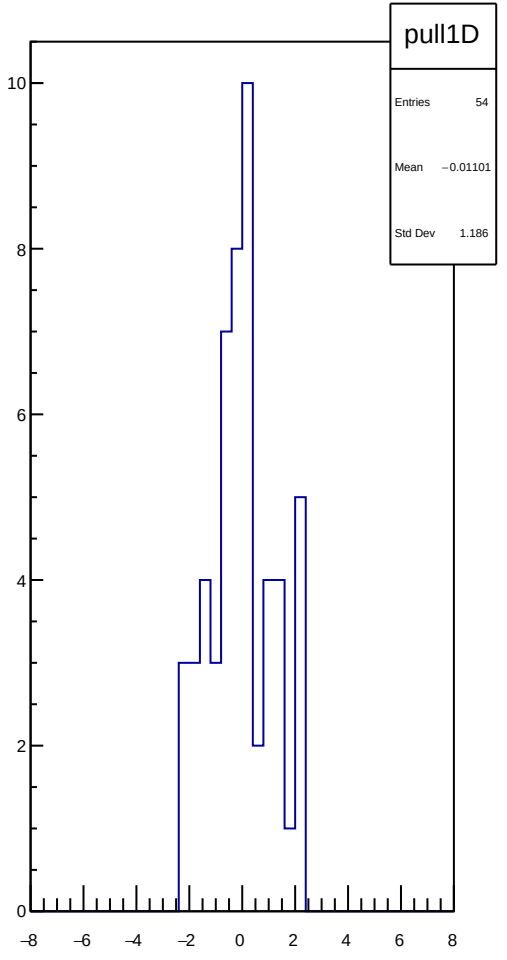

asym_usl_correction_rms vs run
χ² / ndf 2016 / 53
p0 738.7 ± 0.7172
800
780
760
740
720
700
680
660

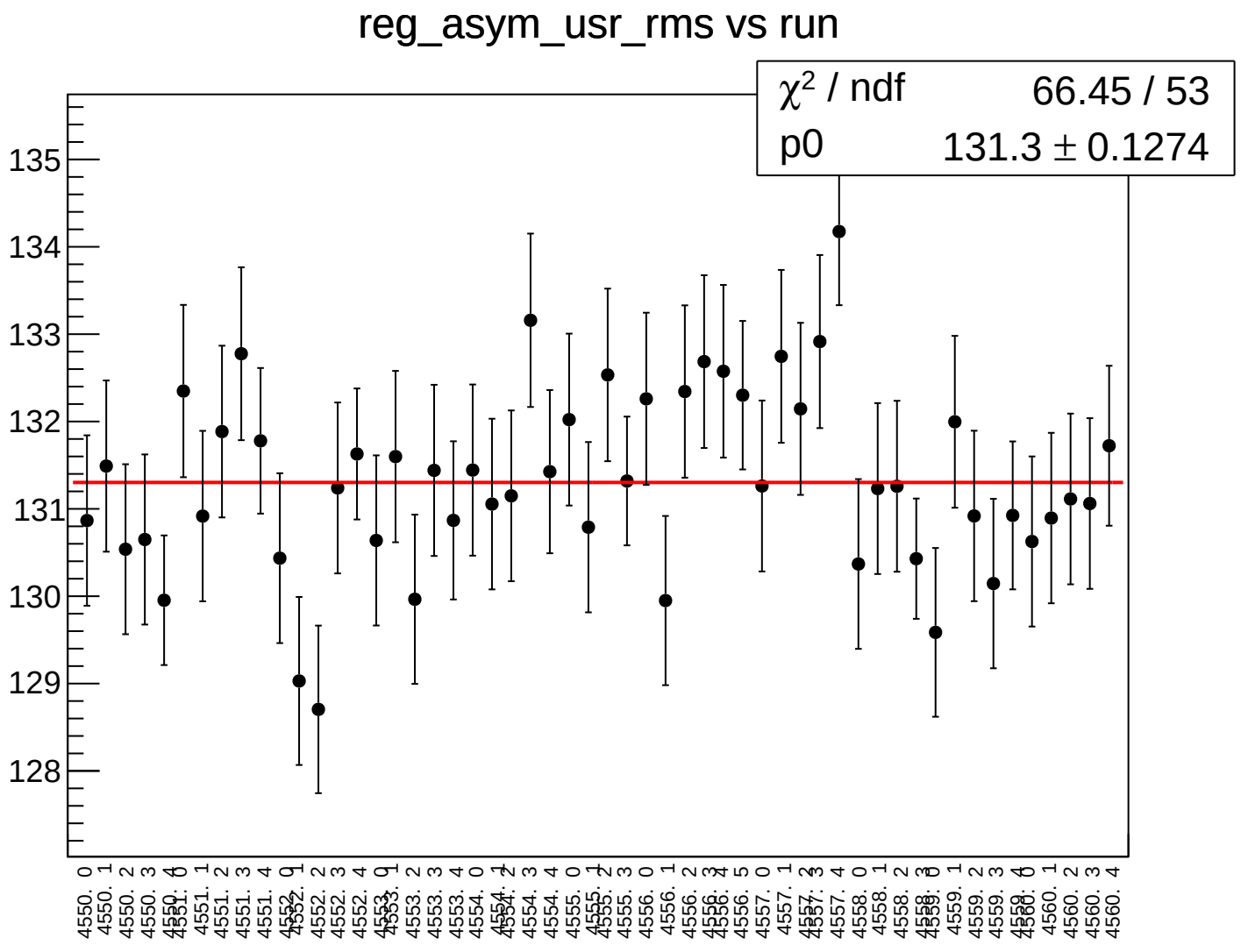

asym_usl_mean vs run
χ² / ndf 68.85 / 53
p0 680.4 ± 1032
pull
Entries 54
Mean 11.28
Std Dev 70.69

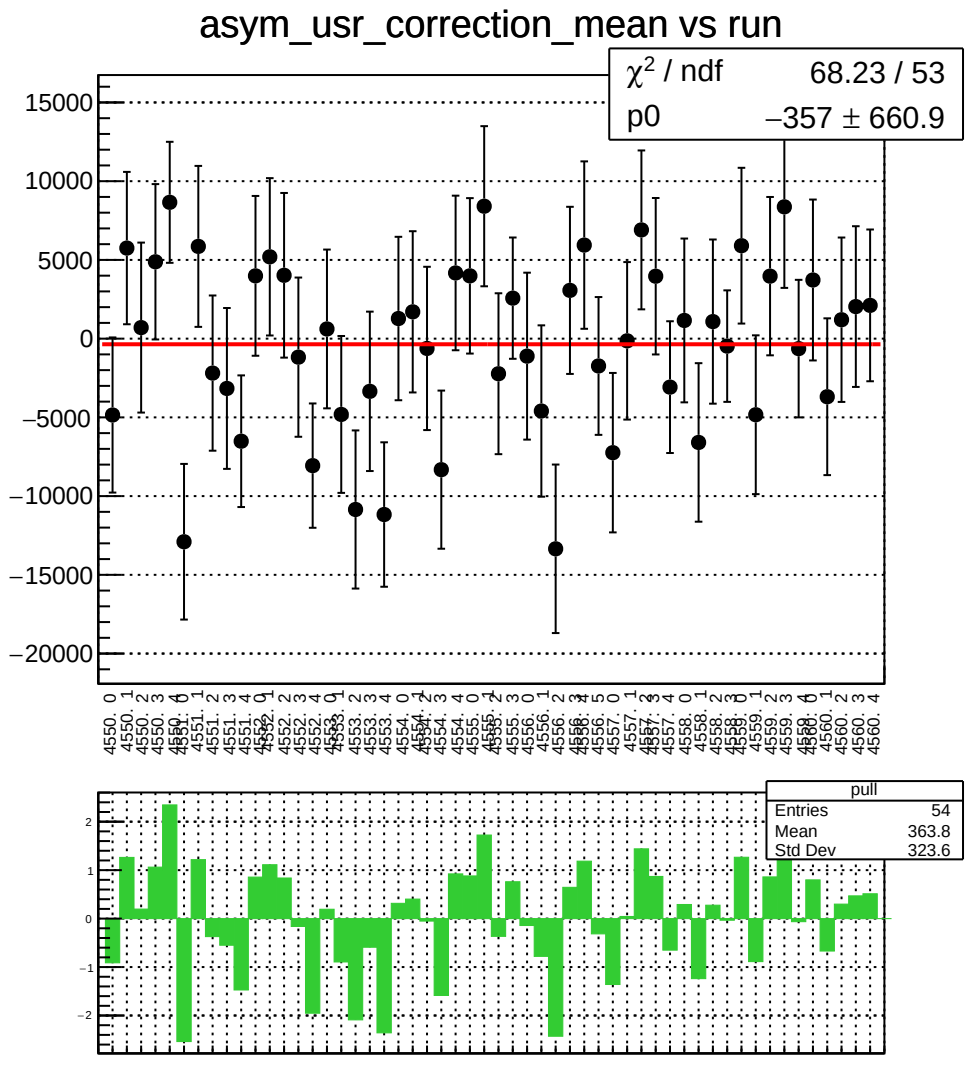

pull1D
Entries 54
Mean 0.01175
Std Dev 1.129

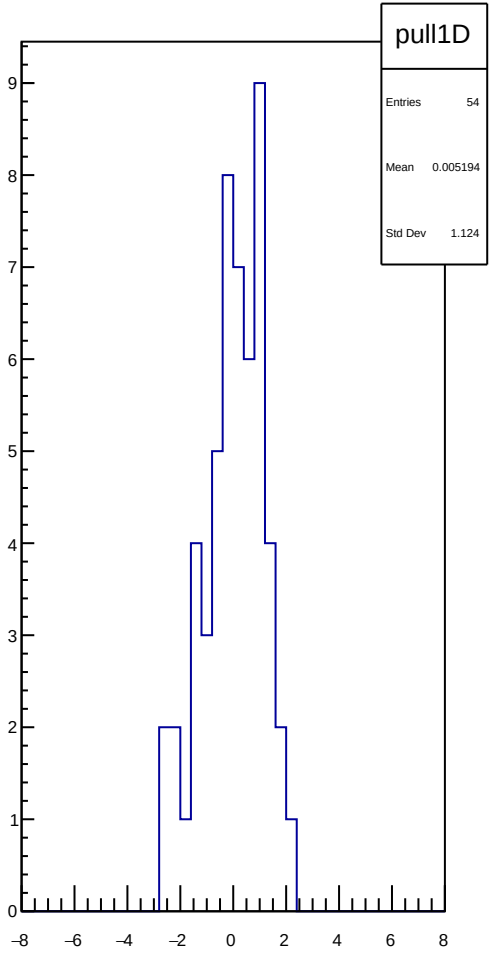

asym_usl_rms vs run
χ² / ndf 1896 / 53
p0 751.8 ± 0.7298
820
800
780
760
740
720
700
680
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

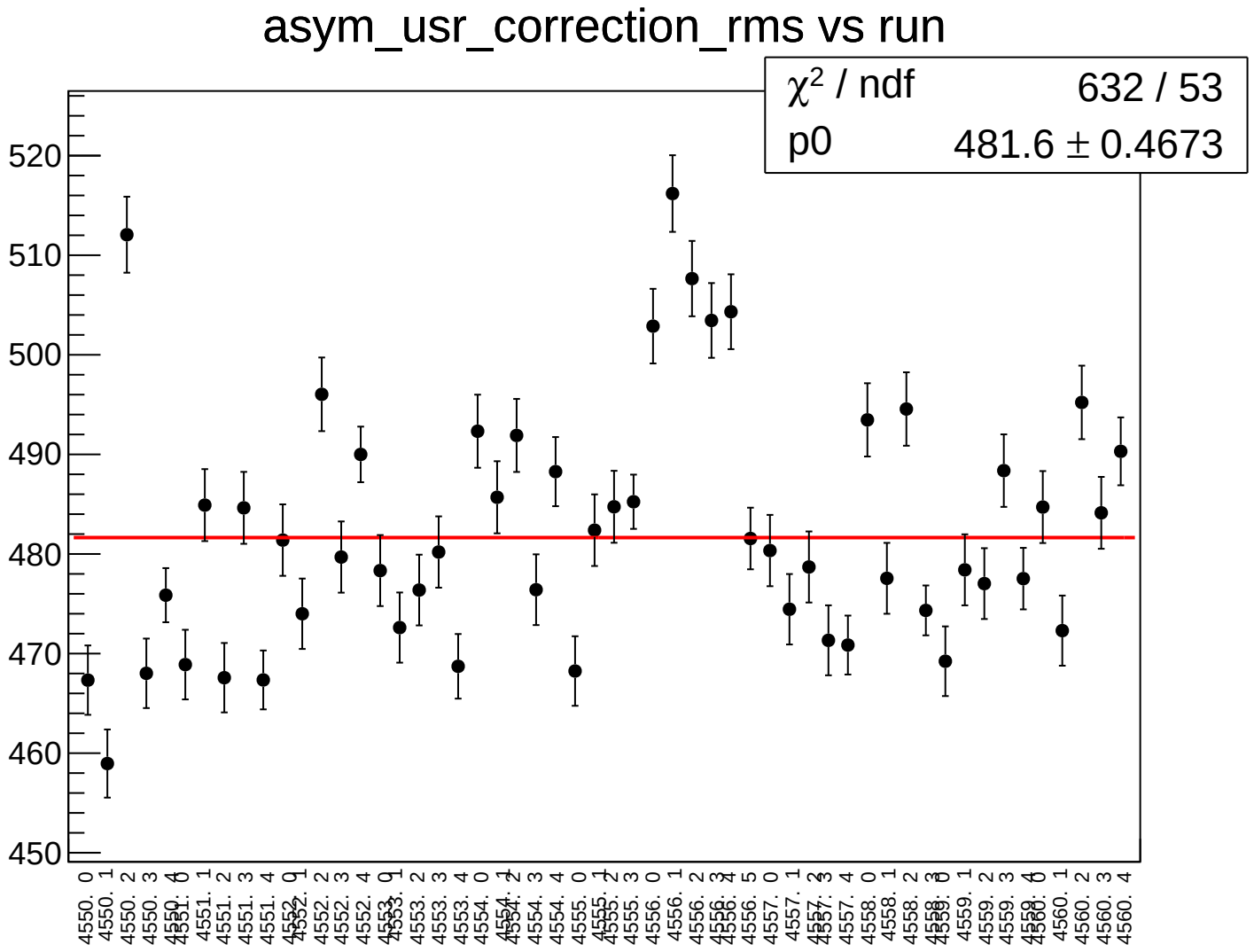

reg_asym_usr_mean vs run
χ^2 / ndf 76 / 53
p0 787.6 ± 180.1
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 278.9
Std Dev 250.4
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.01101
Std Dev 1.186
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_rms vs run
χ² / ndf 66.45 / 53
p0 131.3 ± 0.1274
135
134
133
132
131
130
129
128


asym_usr_correction_mean vs run
χ² / ndf 68.23 / 53
p0 −357 ± 660.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean 363.8
Std Dev 323.6
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.005194
Std Dev 1.124
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 632 / 53
p0 481.6 ± 0.4673
520
510
500
490
480
470
460
450
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
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4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
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4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
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4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
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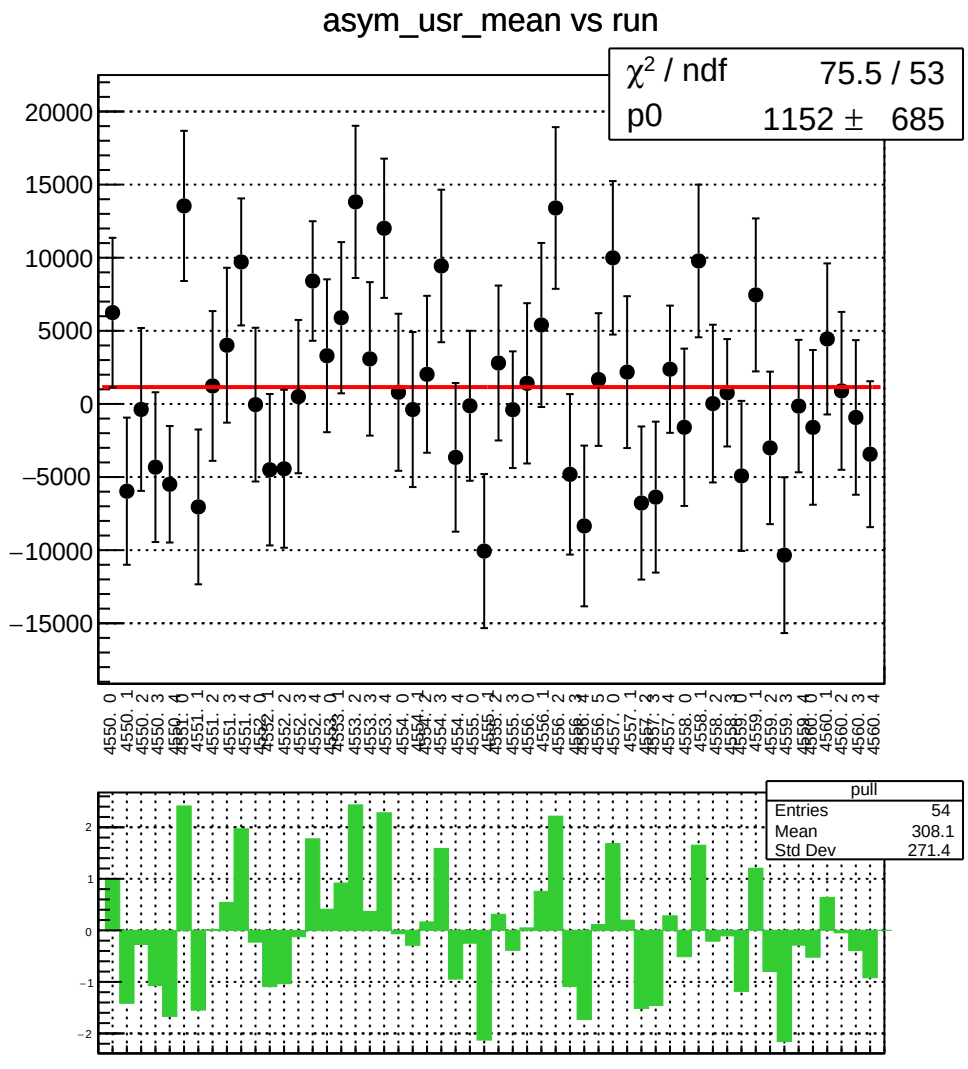
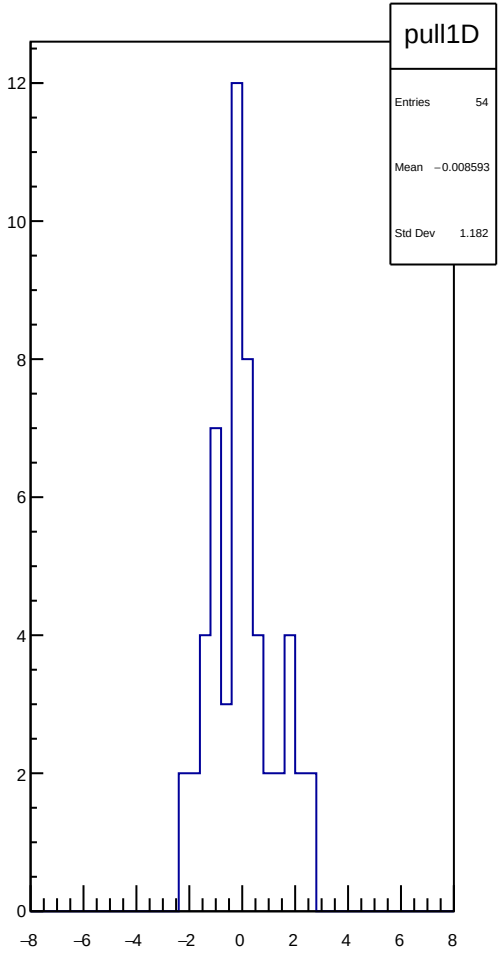
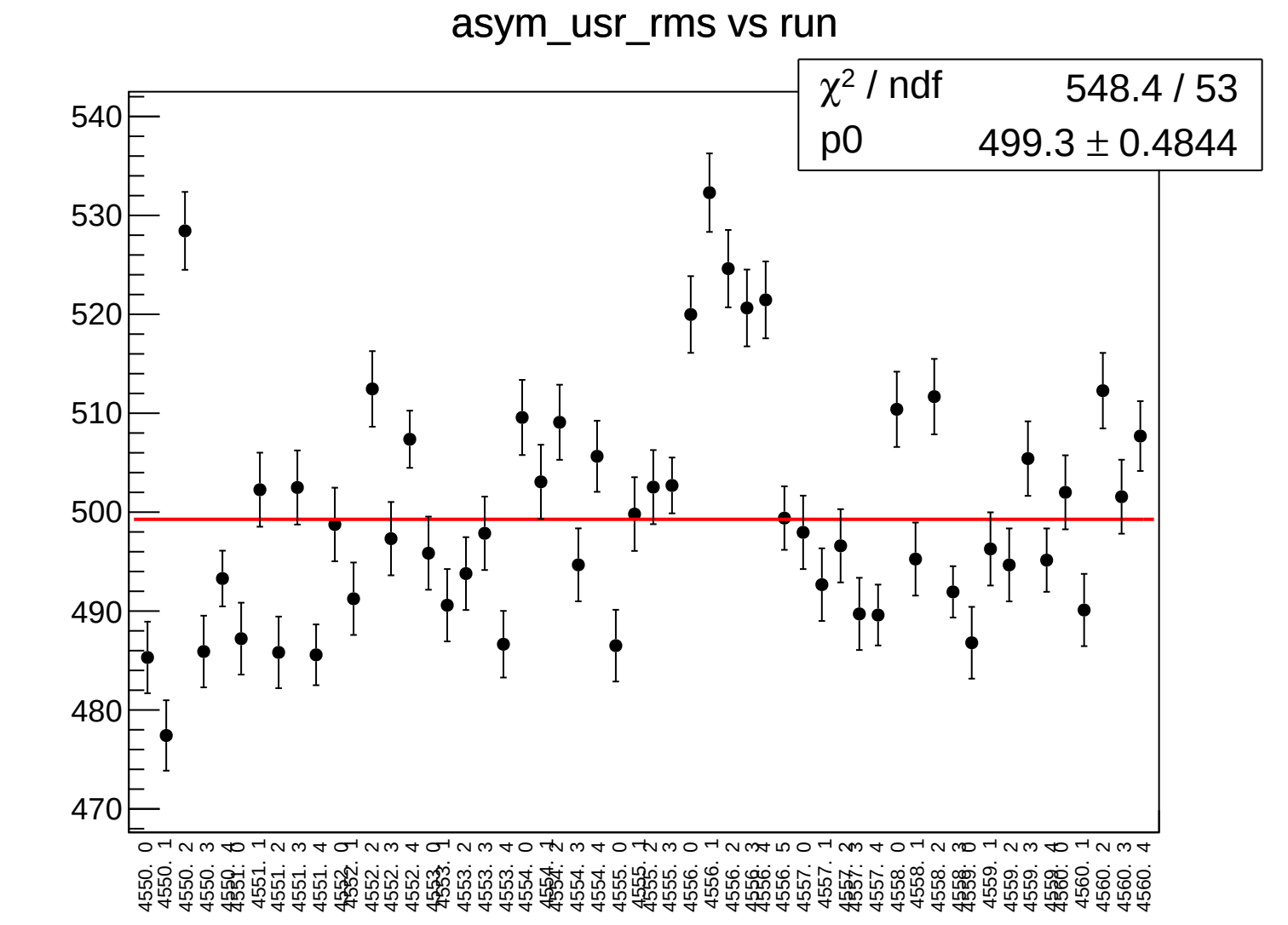
4560. 3
4560. 4


asym_usr_mean vs run
χ² / ndf 75.5 / 53
p0 1152 ± 685
pull
Entries 54
Mean 308.1
Std Dev 271.4


pull1D
Entries 54
Mean −0.008593
Std Dev 1.182


asym_usr_rms vs run
χ² / ndf 548.4 / 53
p0 499.3 ± 0.4844
540
530
520
510
500
490
480
470
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
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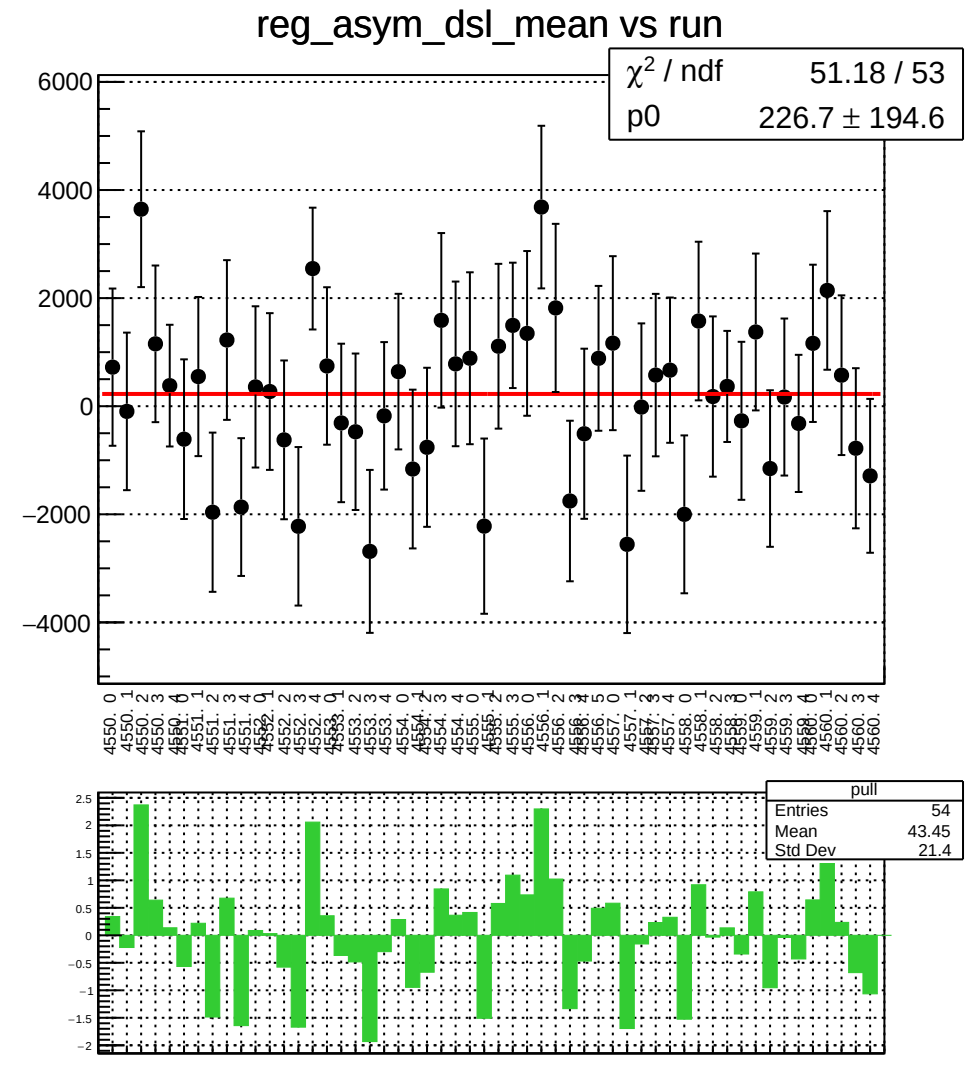
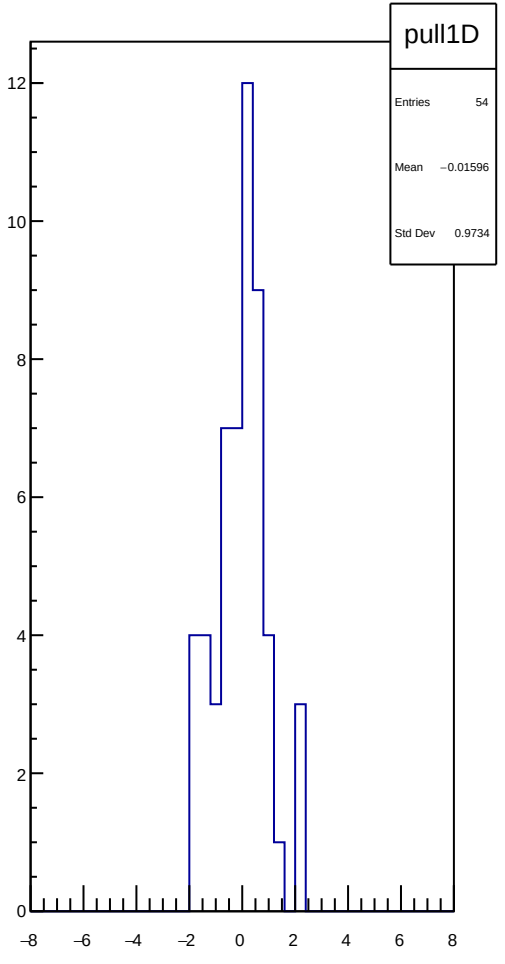
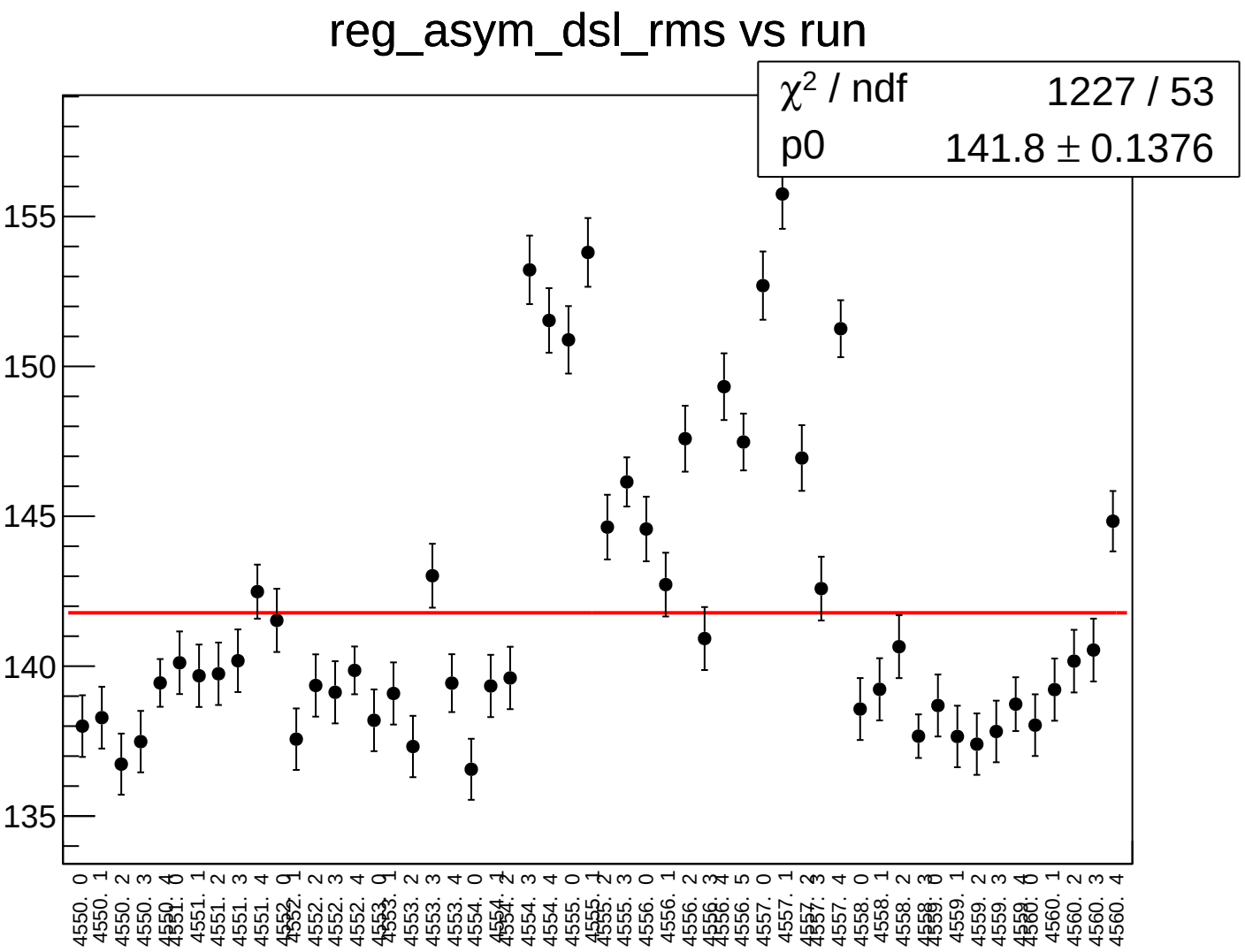
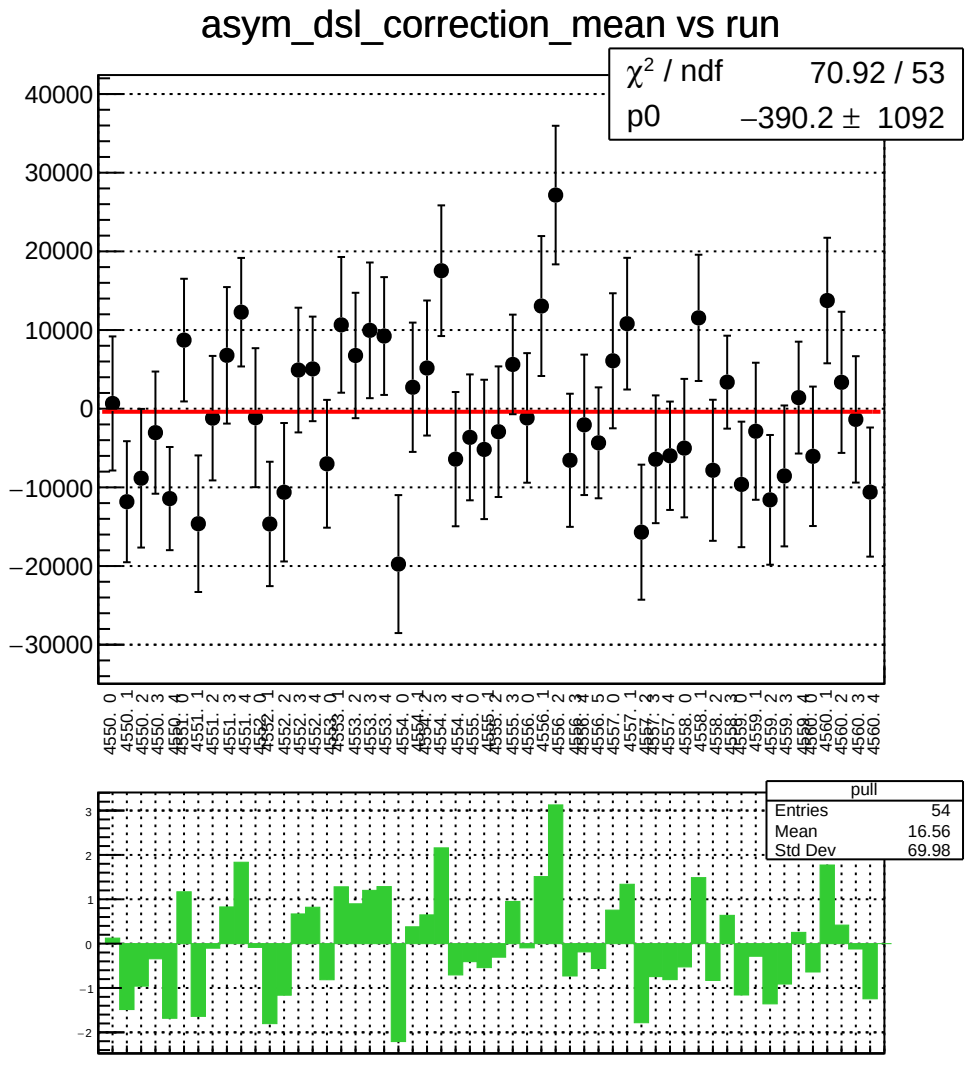
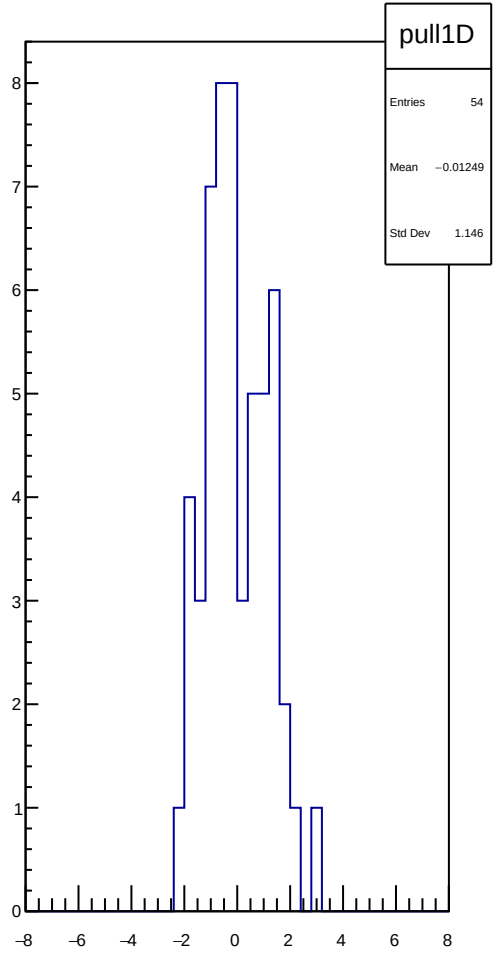
4560. 1
4560. 2
4560. 3
4560. 4

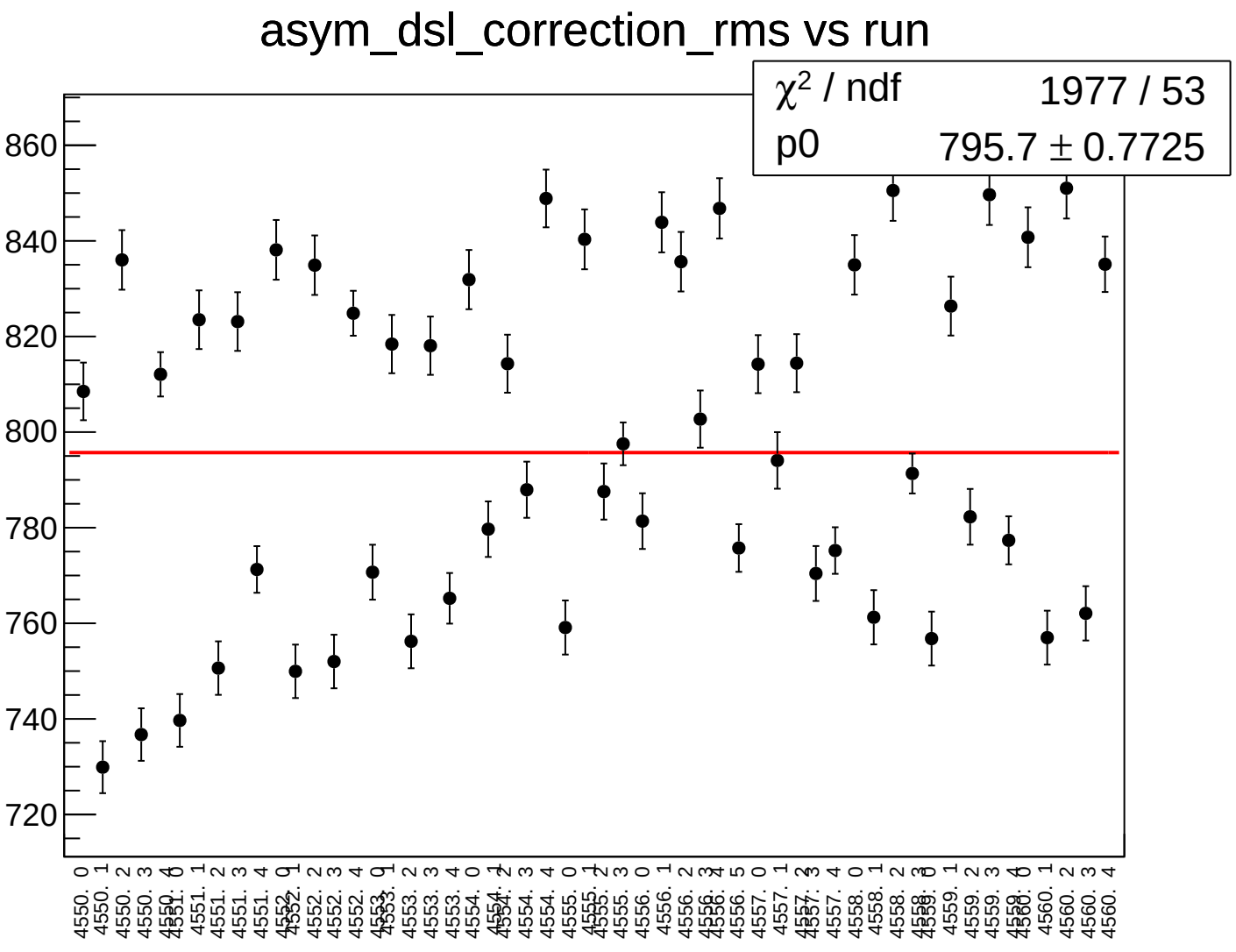

reg_asym_dsl_mean vs run
χ² / ndf 51.18 / 53
p0 226.7 ± 194.6
pull
Entries 54
Mean 43.45
Std Dev 21.4

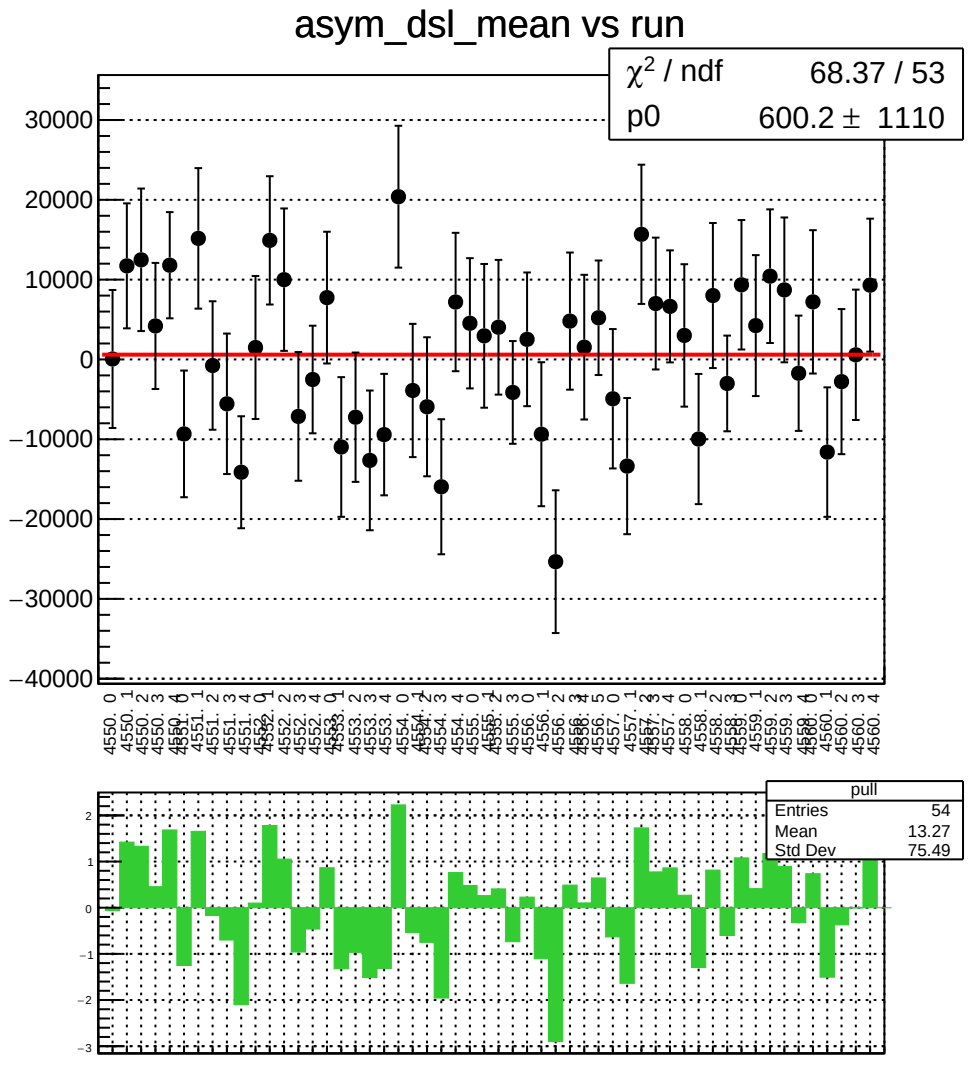

pull1D
Entries 54
Mean −0.01596
Std Dev 0.9734

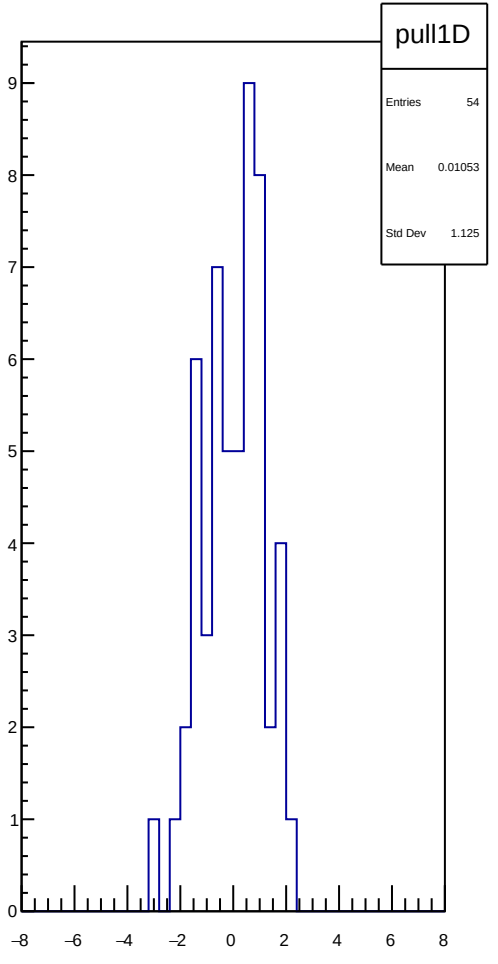

reg_asym_dsl_rms vs run
χ² / ndf 1227 / 53
p0 141.8 ± 0.1376
155
150
145
140
135

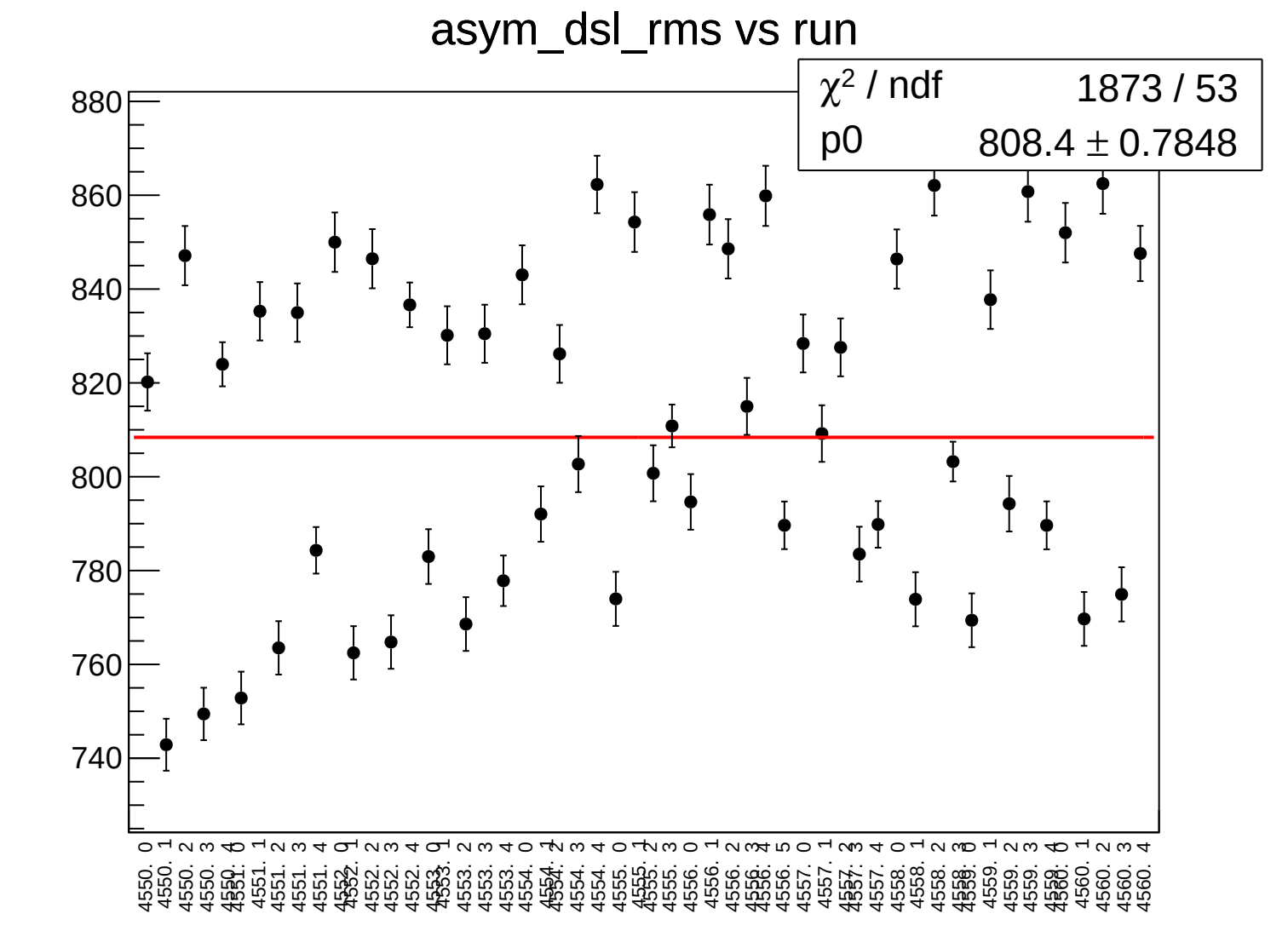

asym_dsl_correction_mean vs run
χ² / ndf 70.92 / 53
p0 −390.2 ± 1092
pull
Entries 54
Mean 16.56
Std Dev 69.98

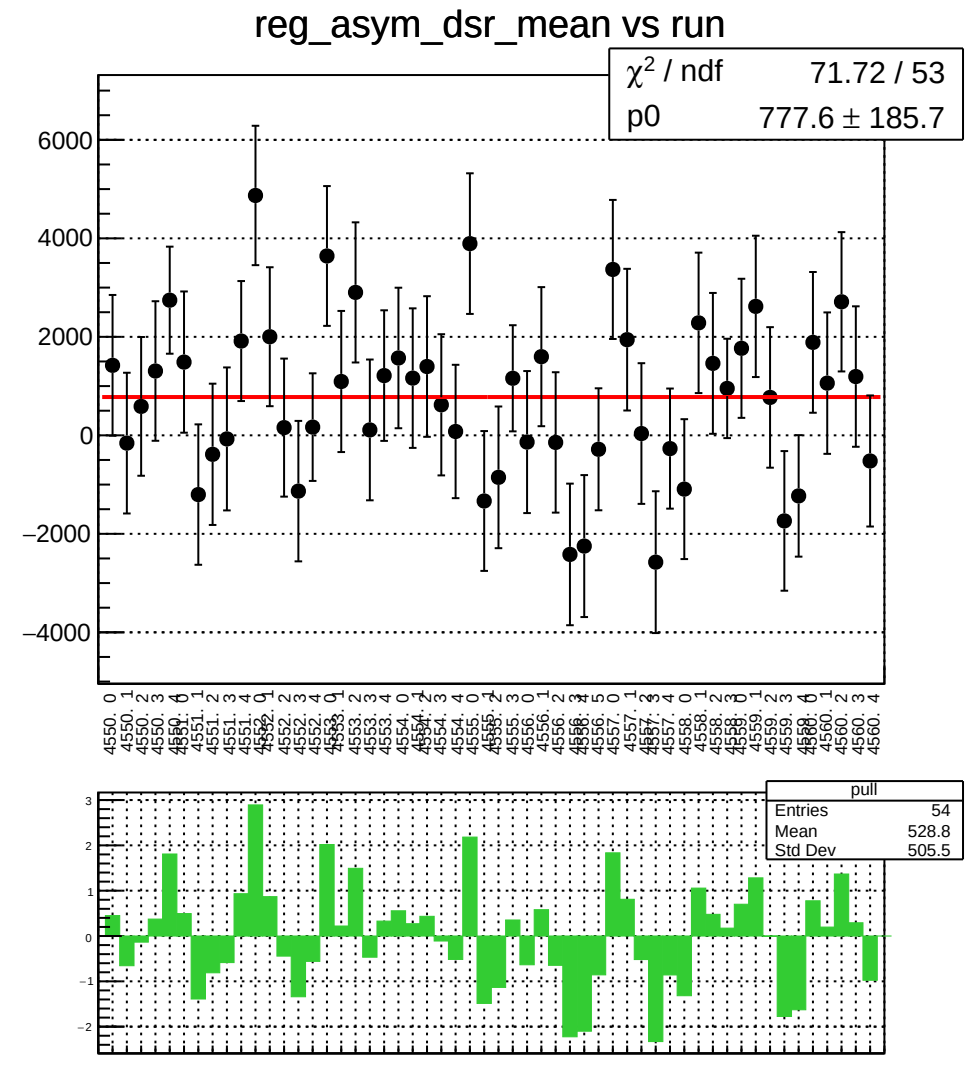

pull1D
Entries 54
Mean −0.01249
Std Dev 1.146

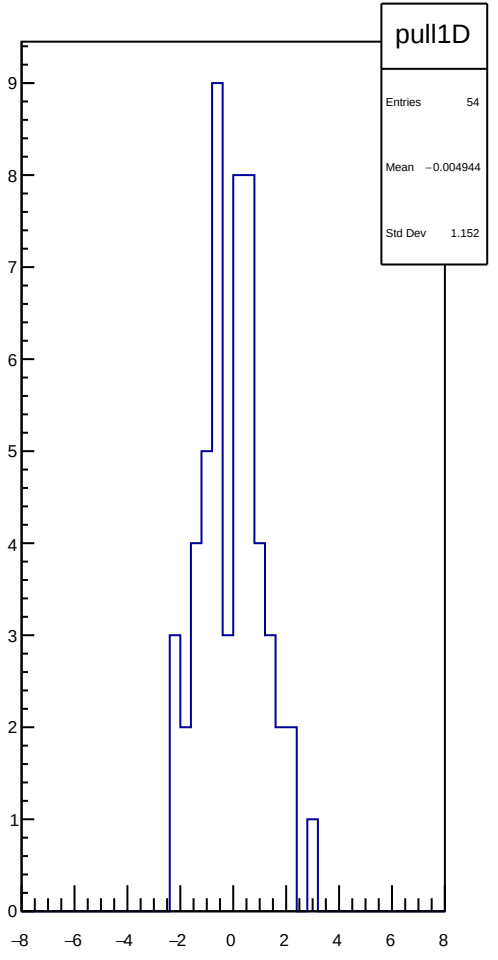

asym_dsl_correction_rms vs run
χ² / ndf 1977 / 53
p0 795.7 ± 0.7725
860
840
820
800
780
760
740
720
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

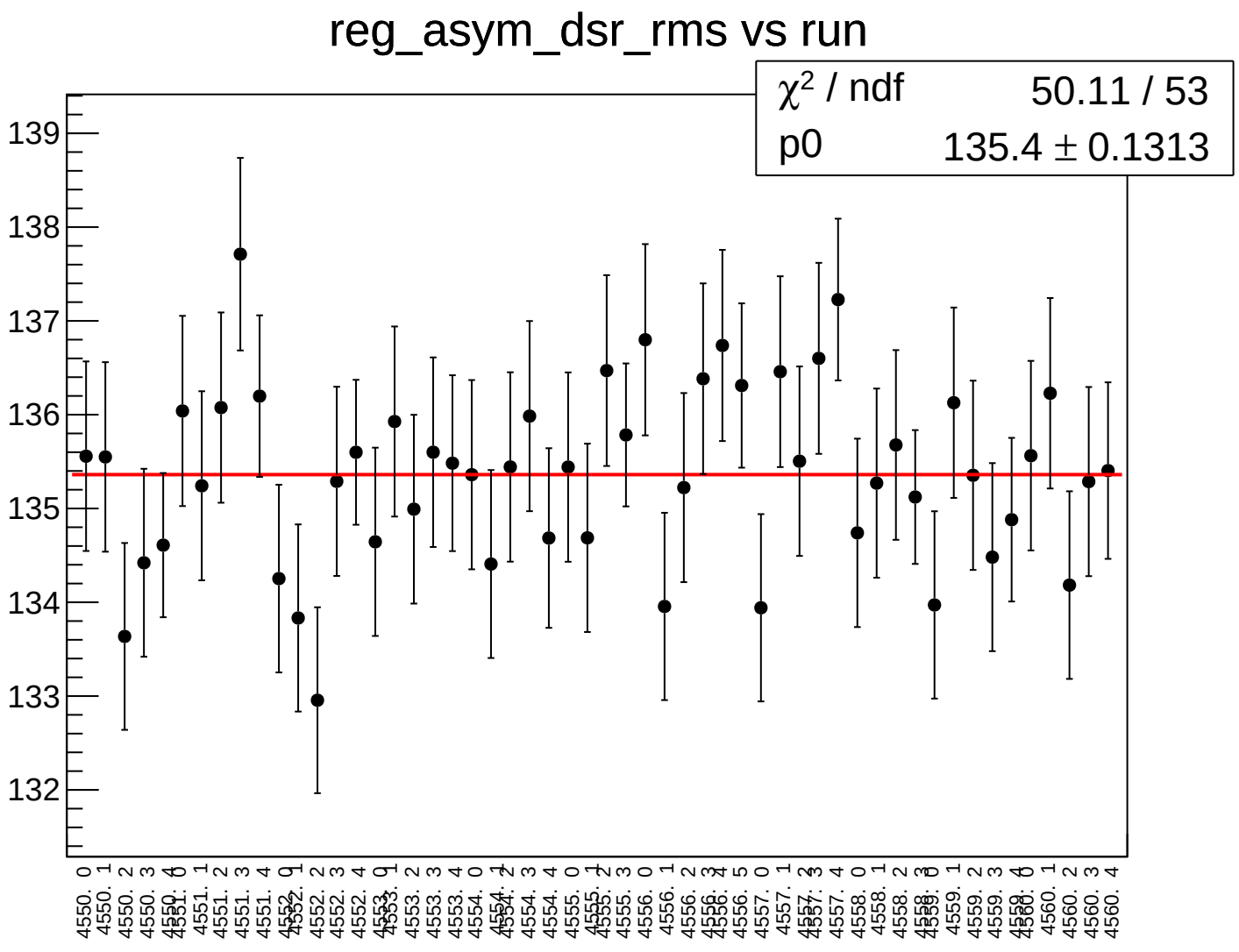

asym_dsl_mean vs run
χ² / ndf 68.37 / 53
p0 600.2 ± 1110
pull
Entries 54
Mean 13.27
Std Dev 75.49

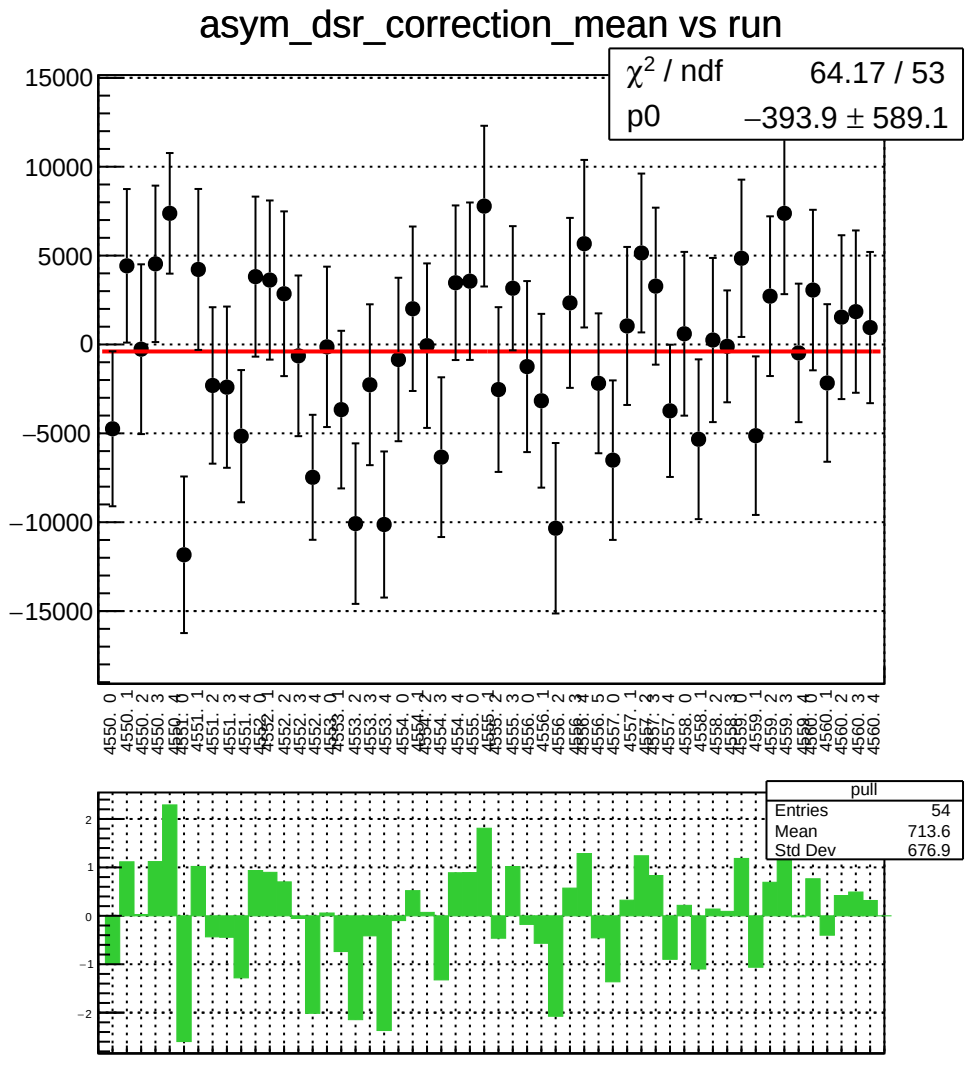

pull1D
Entries 54
Mean 0.01053
Std Dev 1.125

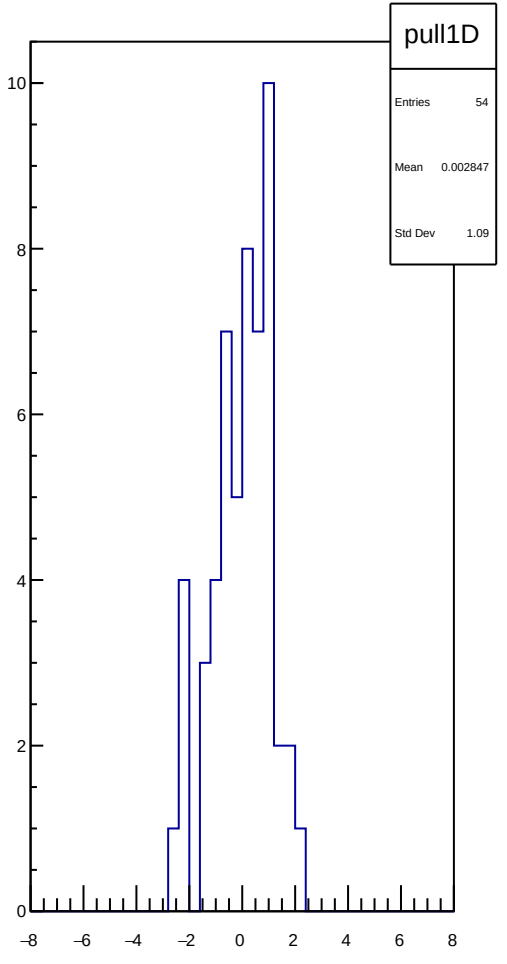

asym_dsl_rms vs run
χ² / ndf 1873 / 53
p0 808.4 ± 0.7848
880
860
840
820
800
780
760
740
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

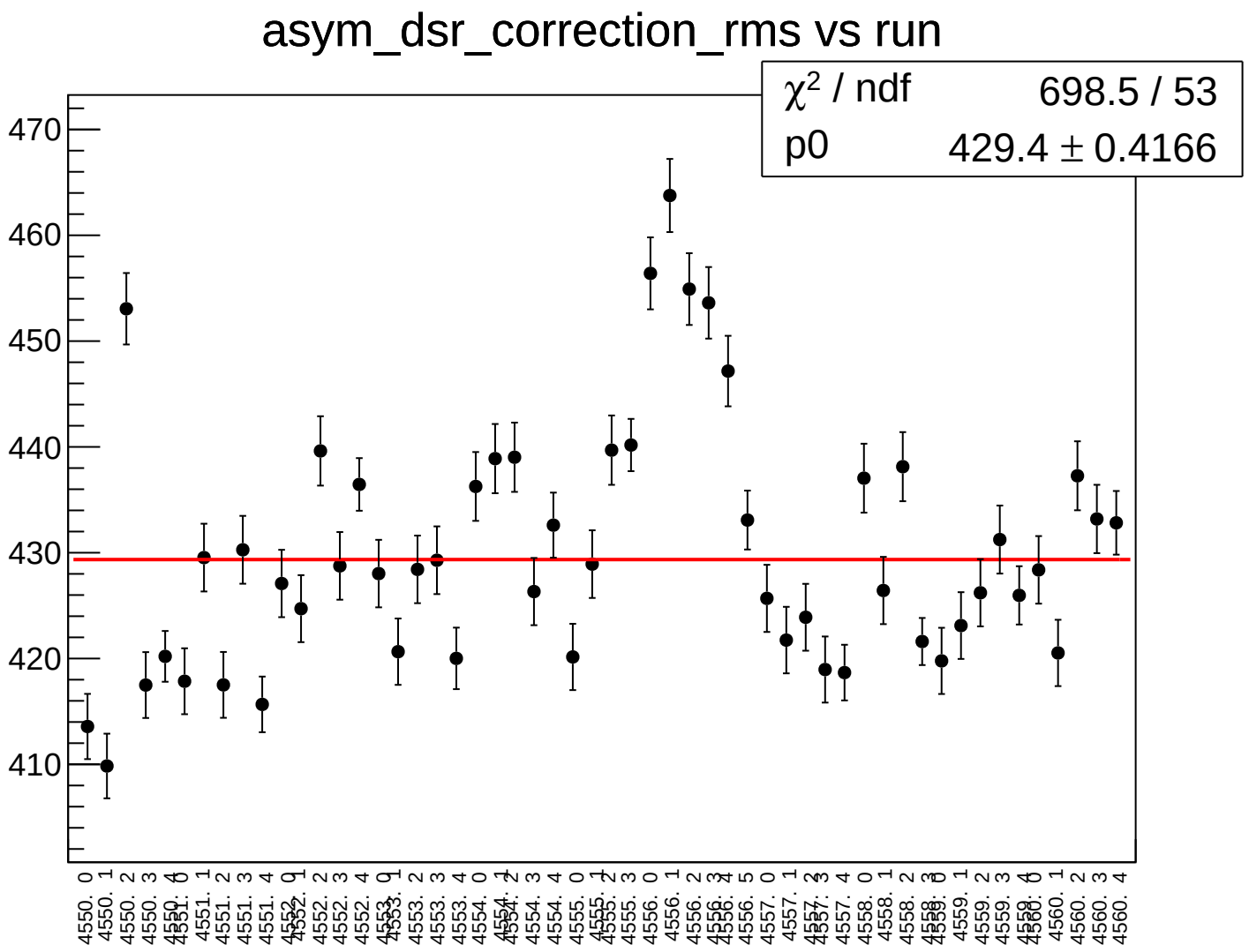

reg_asym_dsr_mean vs run
χ^2 / ndf 71.72 / 53
p0 777.6 ± 185.7
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 528.8
Std Dev 505.5
3
2
1
0
−1
−2

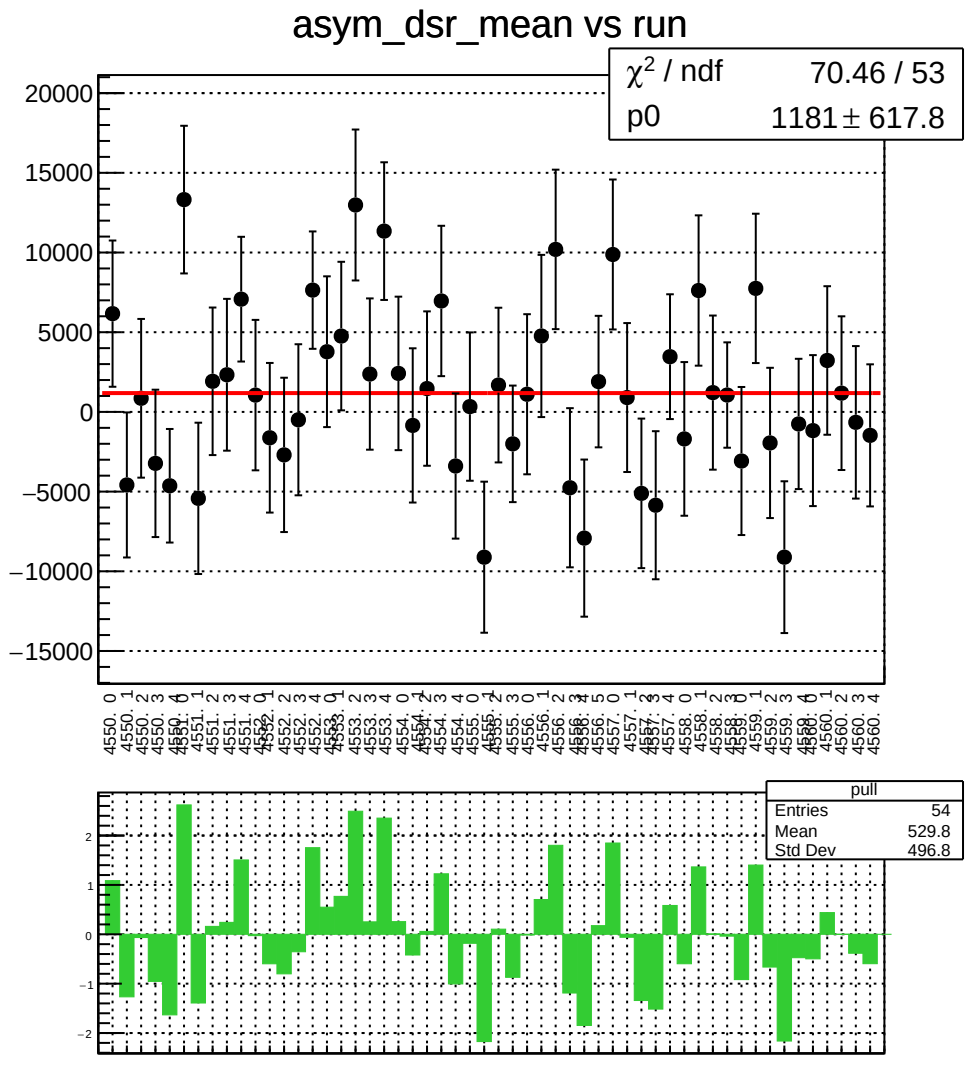

pull1D
Entries 54
Mean −0.004944
Std Dev 1.152
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

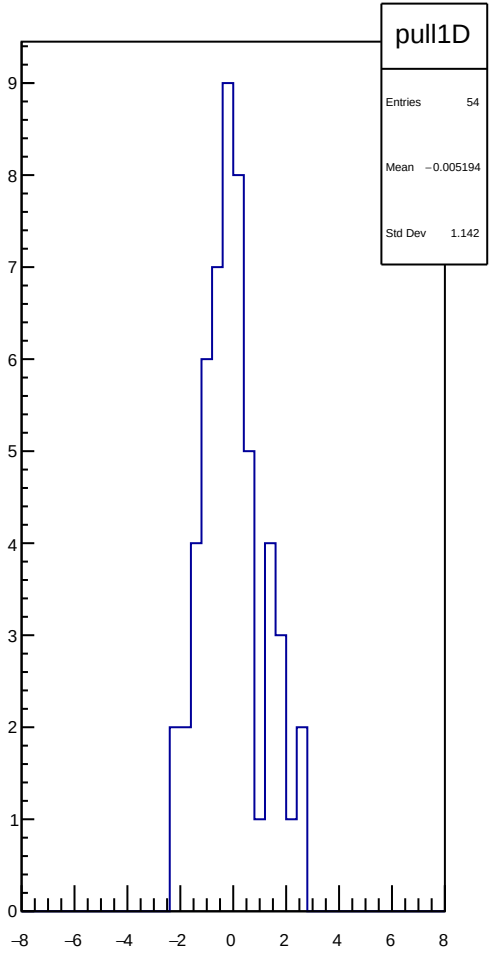

reg_asym_dsr_rms vs run
χ² / ndf 50.11 / 53
p0 135.4 ± 0.1313
139
138
137
136
135
134
133
132
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

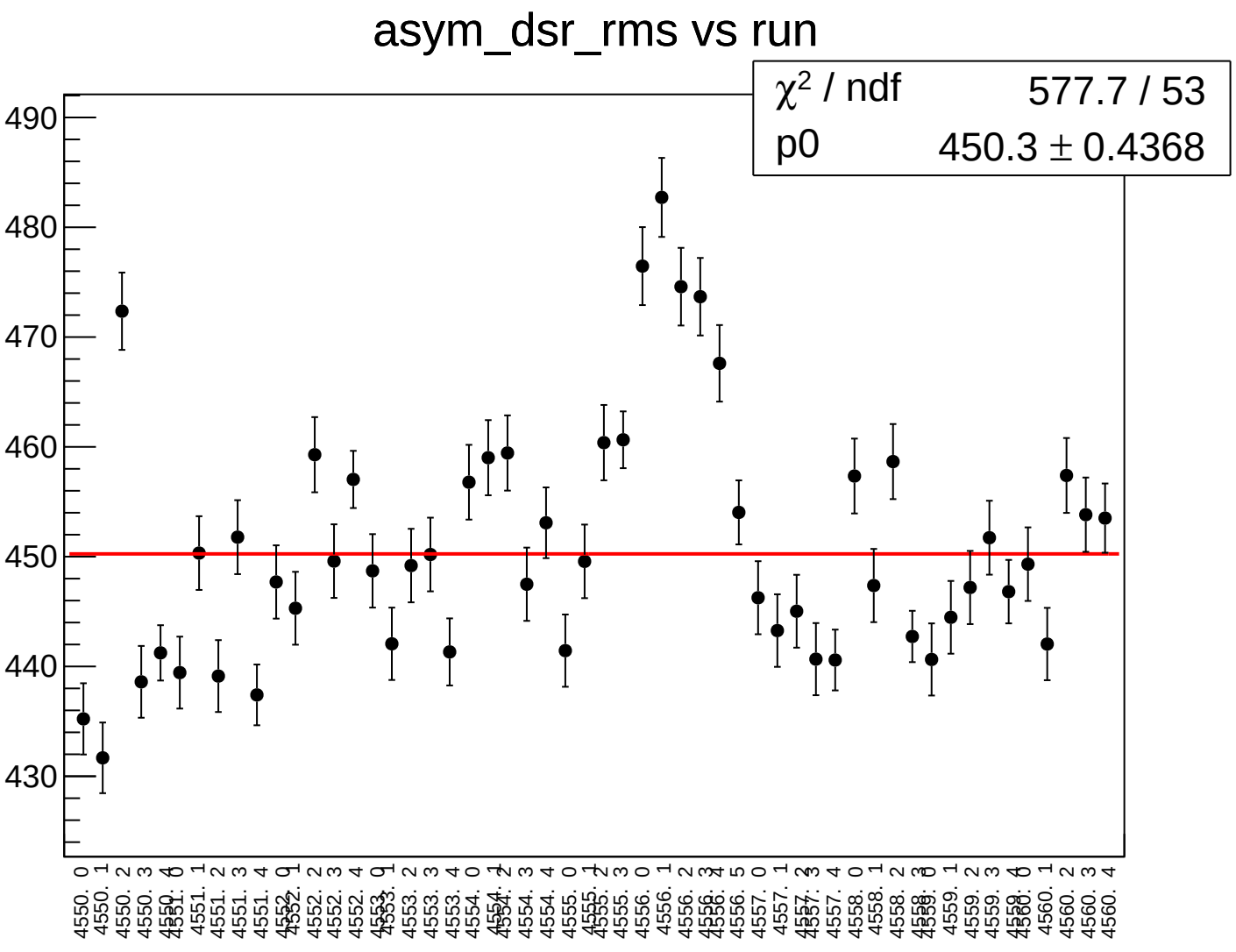

asym_dsr_correction_mean vs run
χ² / ndf 64.17 / 53
p0 −393.9 ± 589.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 713.6
Std Dev 676.9
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.002847
Std Dev 1.09
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_dsr_correction_rms vs run
χ² / ndf 698.5 / 53
p0 429.4 ± 0.4166
470
460
450
440
430
420
410
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_dsr_mean vs run
χ² / ndf 70.46 / 53
p0 1181 ± 617.8
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 529.8
Std Dev 496.8
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.005194
Std Dev 1.142
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_dsr_rms vs run
χ² / ndf 577.7 / 53
p0 450.3 ± 0.4368
490
480
470
460
450
440
430
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
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4553. 2
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4554. 2
4554. 3
4554. 4
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4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
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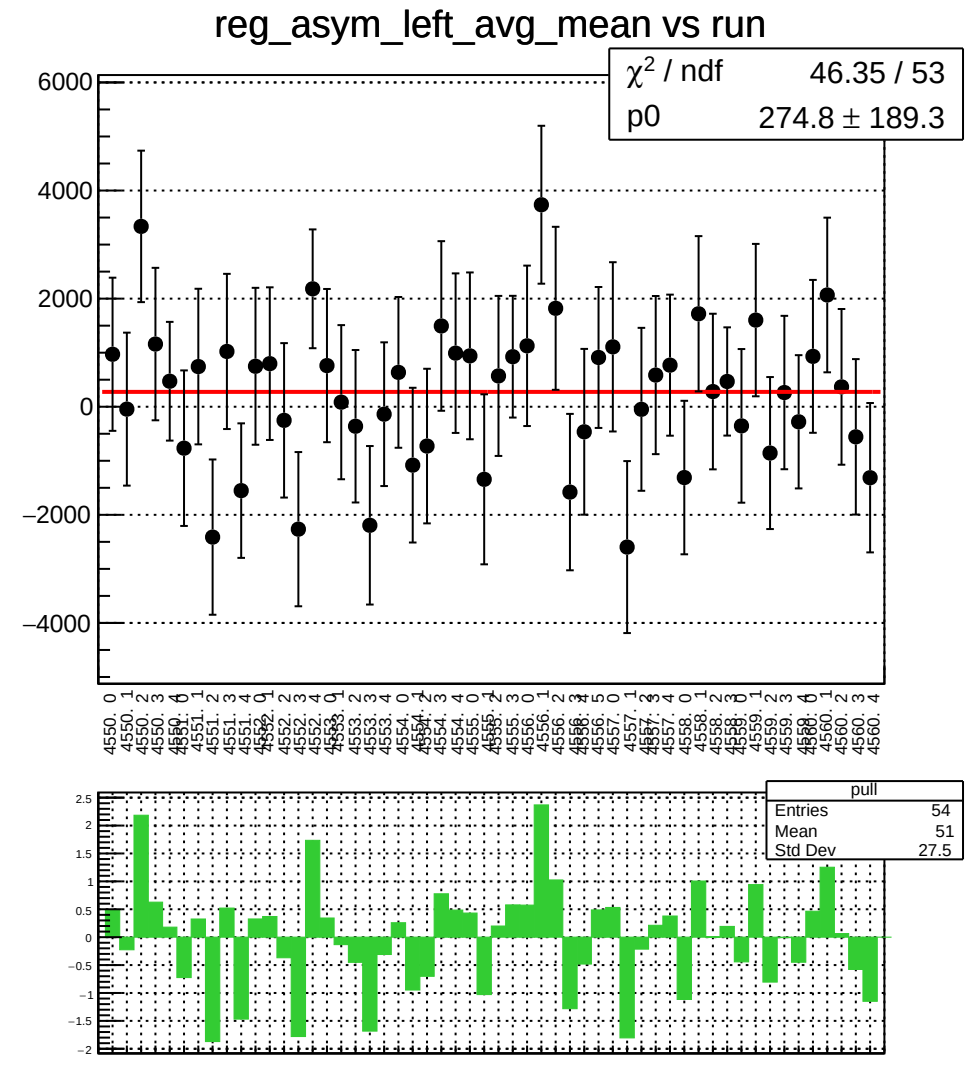
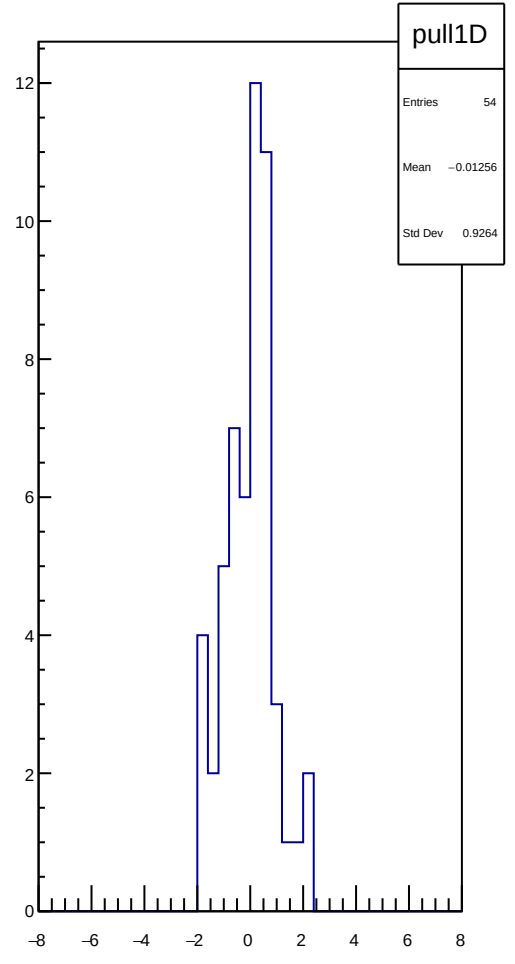
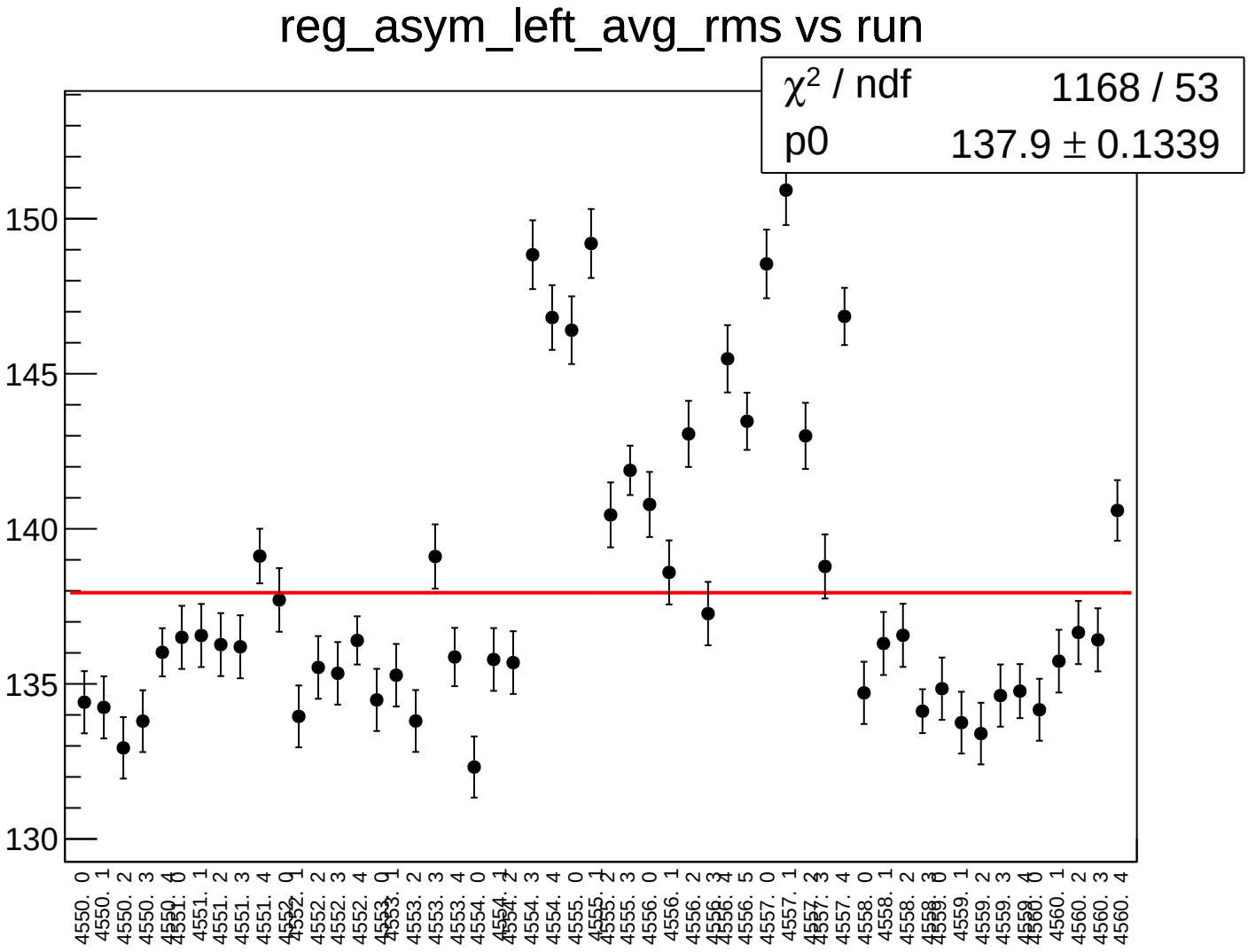
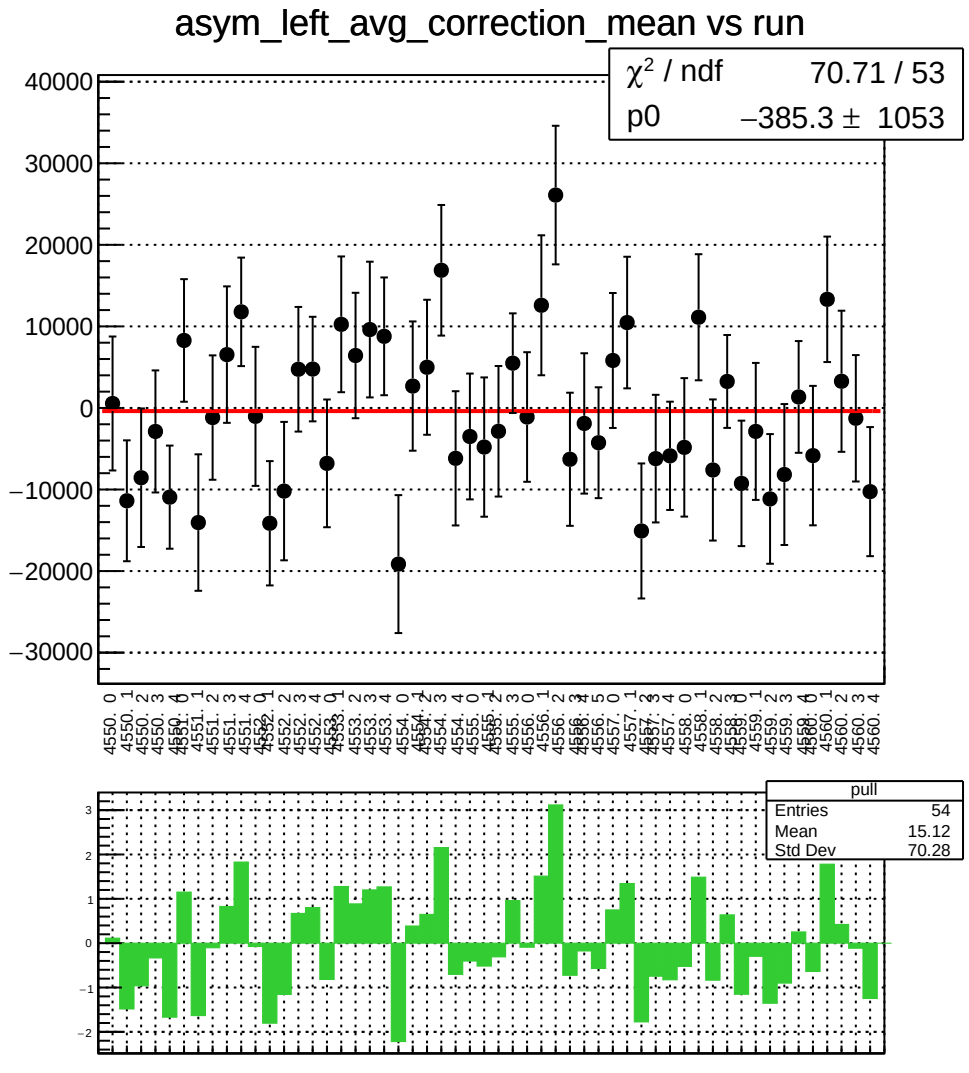
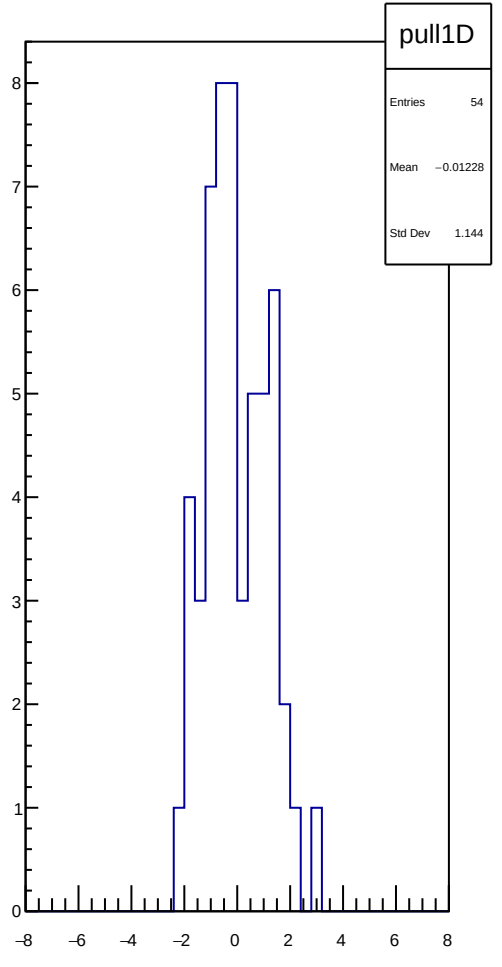
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

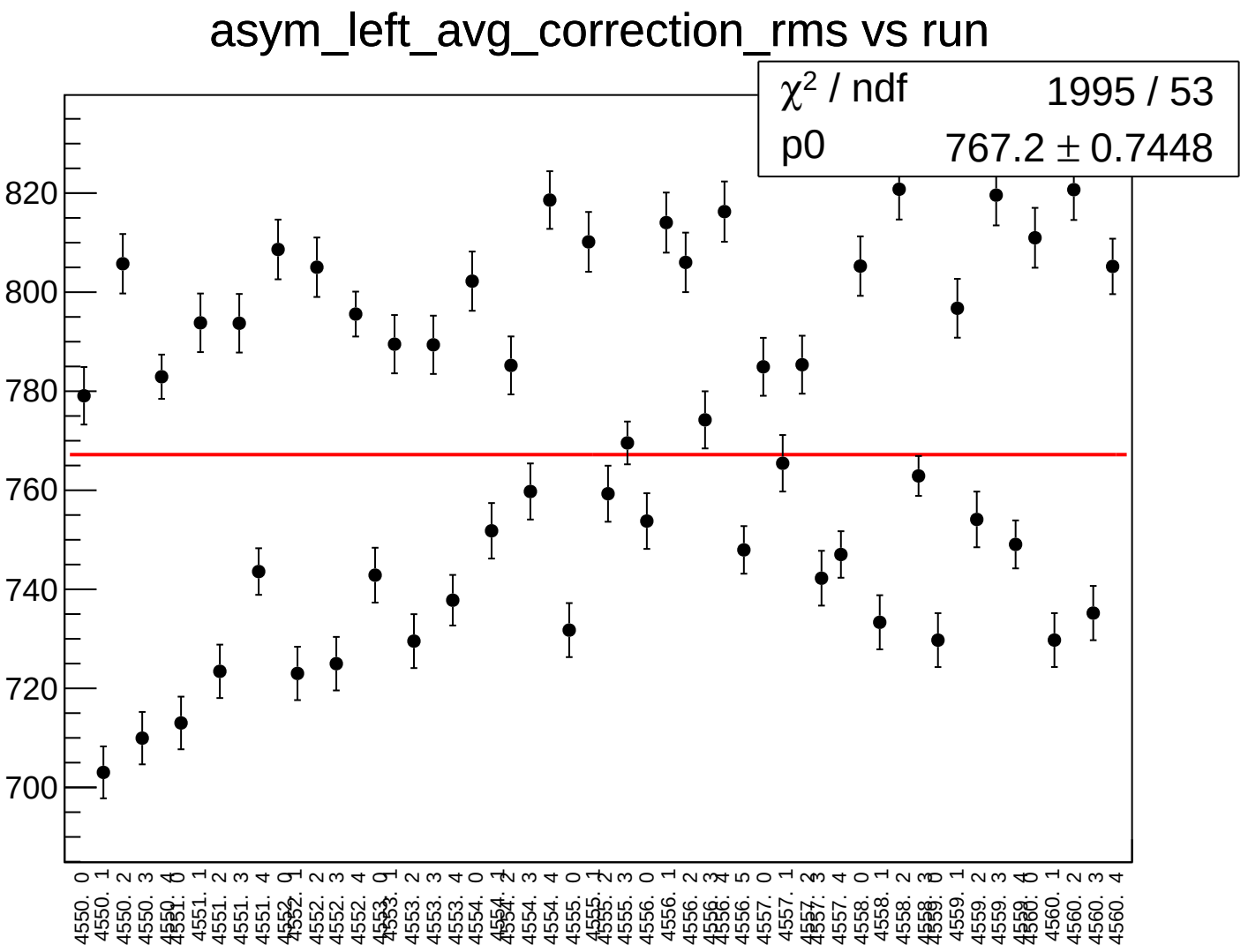

reg_asym_left_avg_mean vs run
χ² / ndf 46.35 / 53
p0 274.8 ± 189.3
pull
Entries 54
Mean 51
Std Dev 27.5

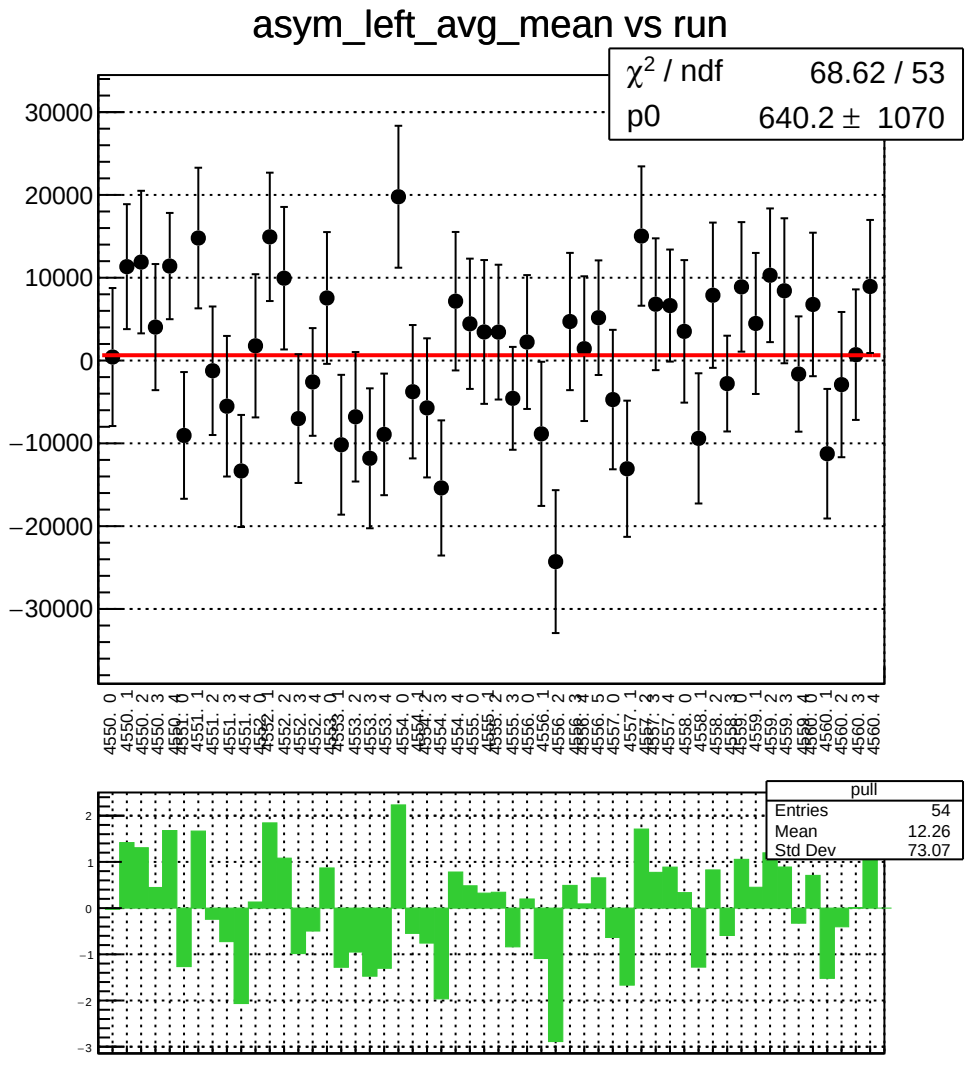

pull1D
Entries 54
Mean −0.01256
Std Dev 0.9264

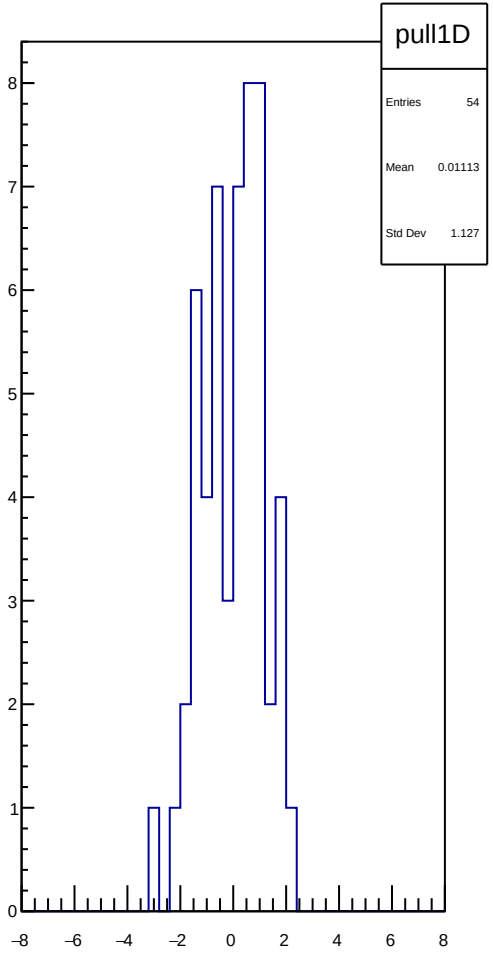

reg_asym_left_avg_rms vs run
χ^2 / ndf 1168 / 53
p0 137.9 ± 0.1339
150
145
140
135
130

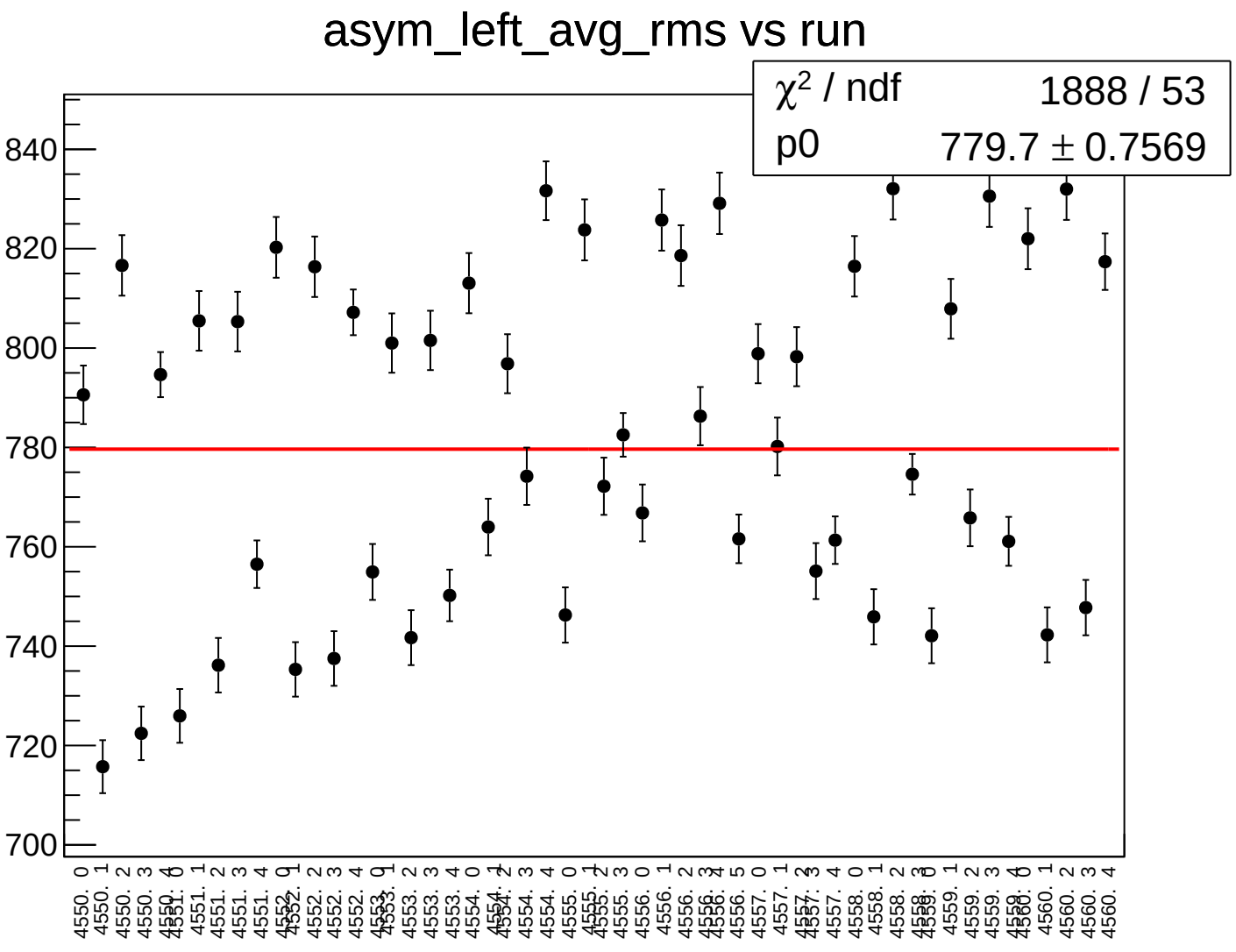

asym_left_avg_correction_mean vs run
χ² / ndf 70.71 / 53
p0 −385.3 ± 1053
pull
Entries 54
Mean 15.12
Std Dev 70.28


pull1D
Entries 54
Mean −0.01228
Std Dev 1.144


asym_left_avg_correction_rms vs run
χ² / ndf 1995 / 53
p0 767.2 ± 0.7448
820
800
780
760
740
720
700


asym_left_avg_mean vs run
χ² / ndf 68.62 / 53
p0 640.2 ± 1070
pull
Entries 54
Mean 12.26
Std Dev 73.07


pull1D
Entries 54
Mean 0.01113
Std Dev 1.127


asym_left_avg_rms vs run
χ² / ndf 1888 / 53
p0 779.7 ± 0.7569
840
820
800
780
760
740
720
700
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
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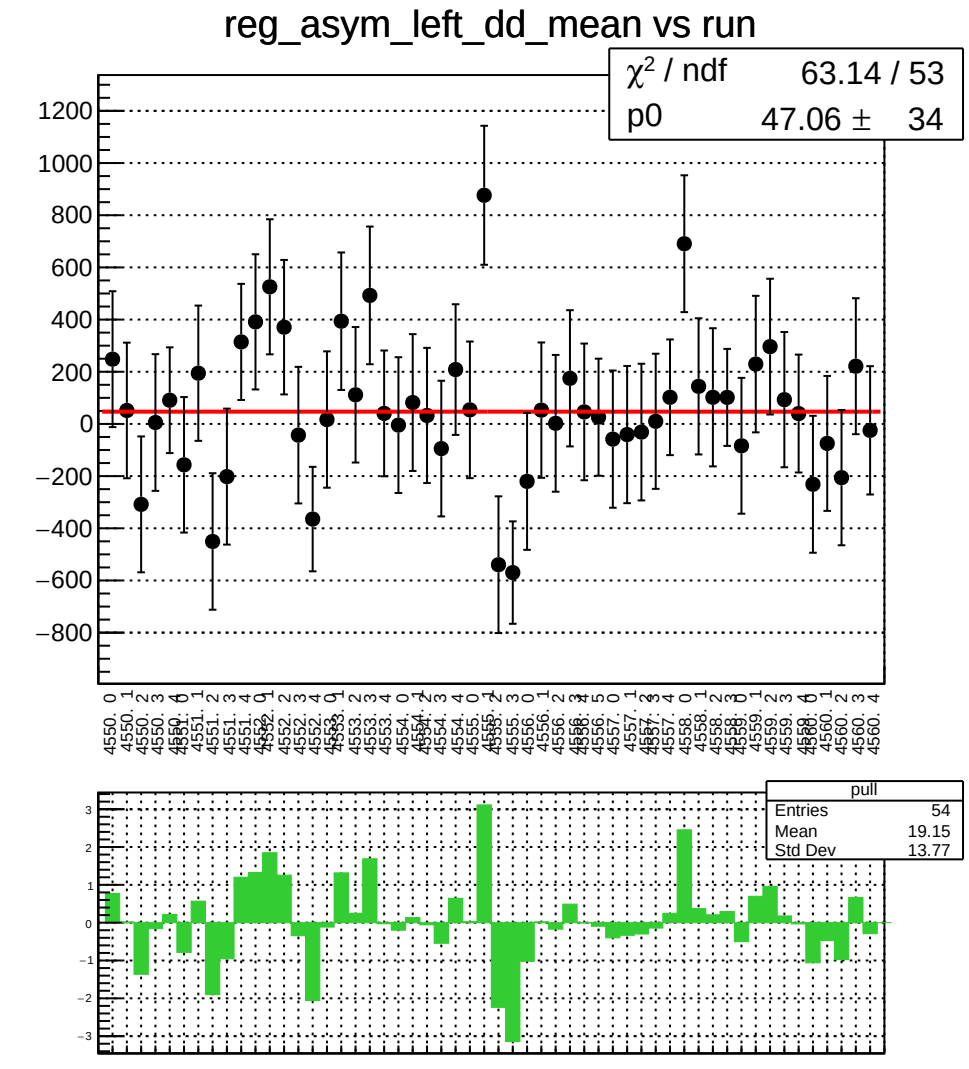
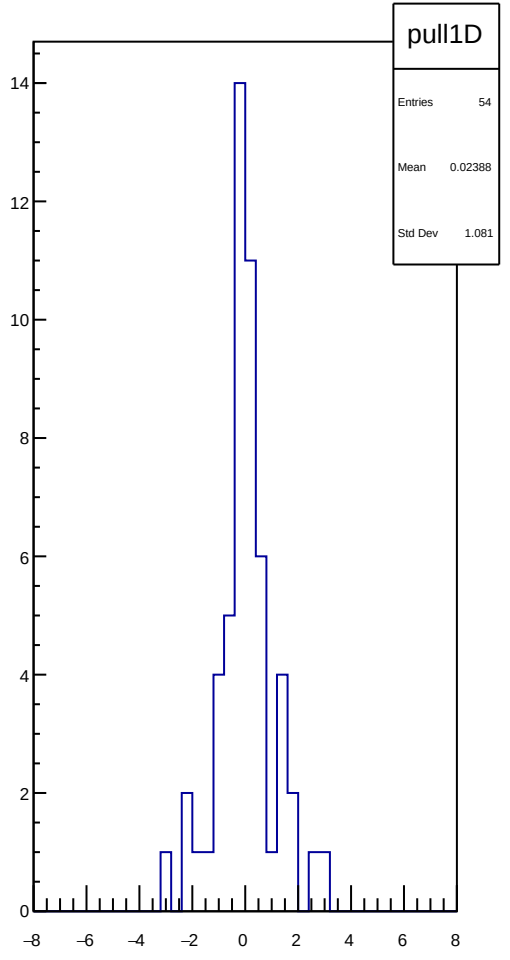
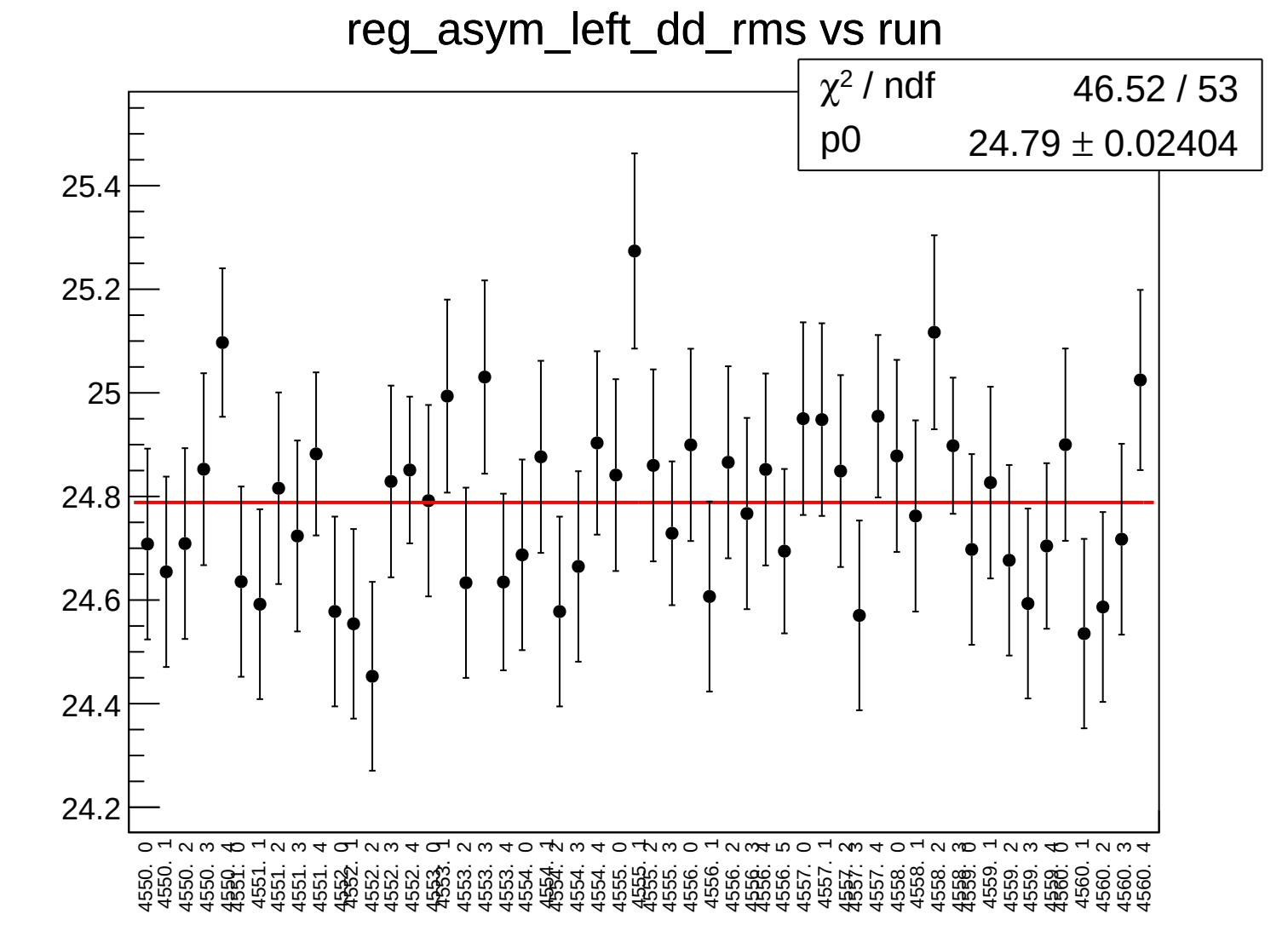
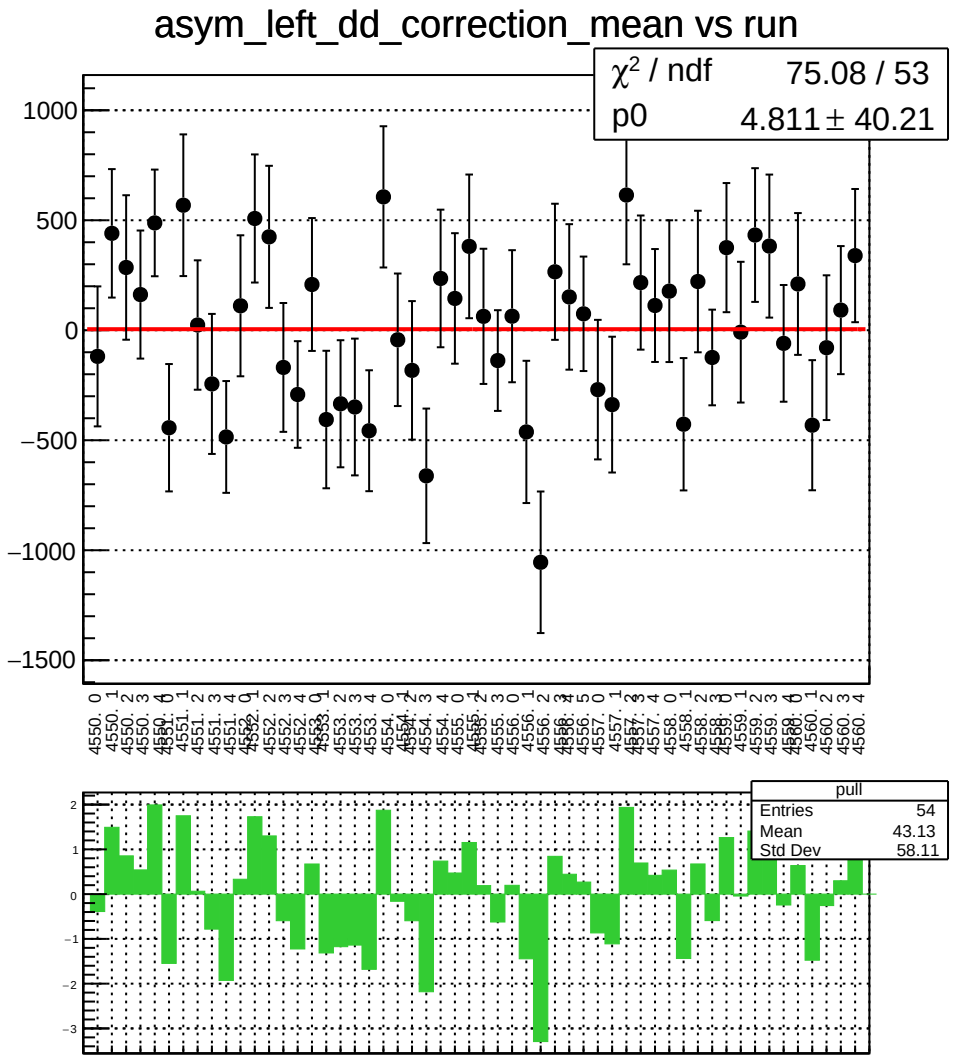
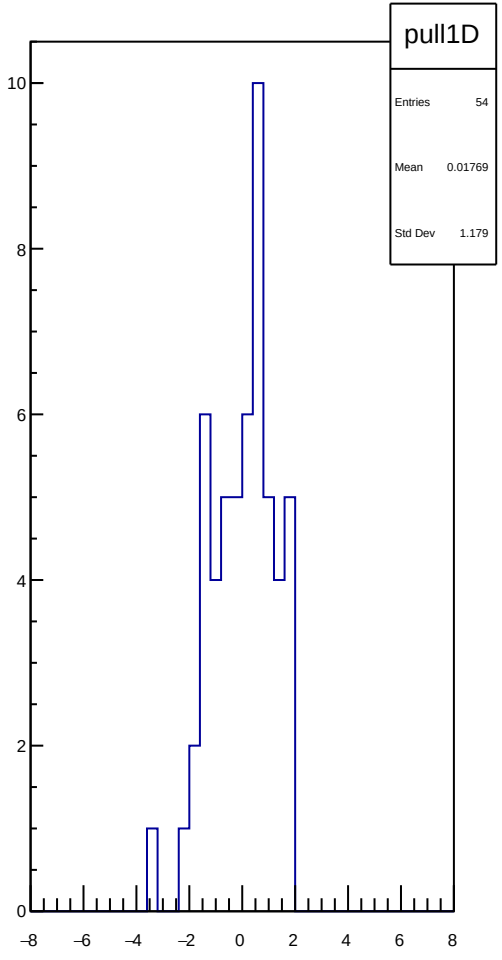
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

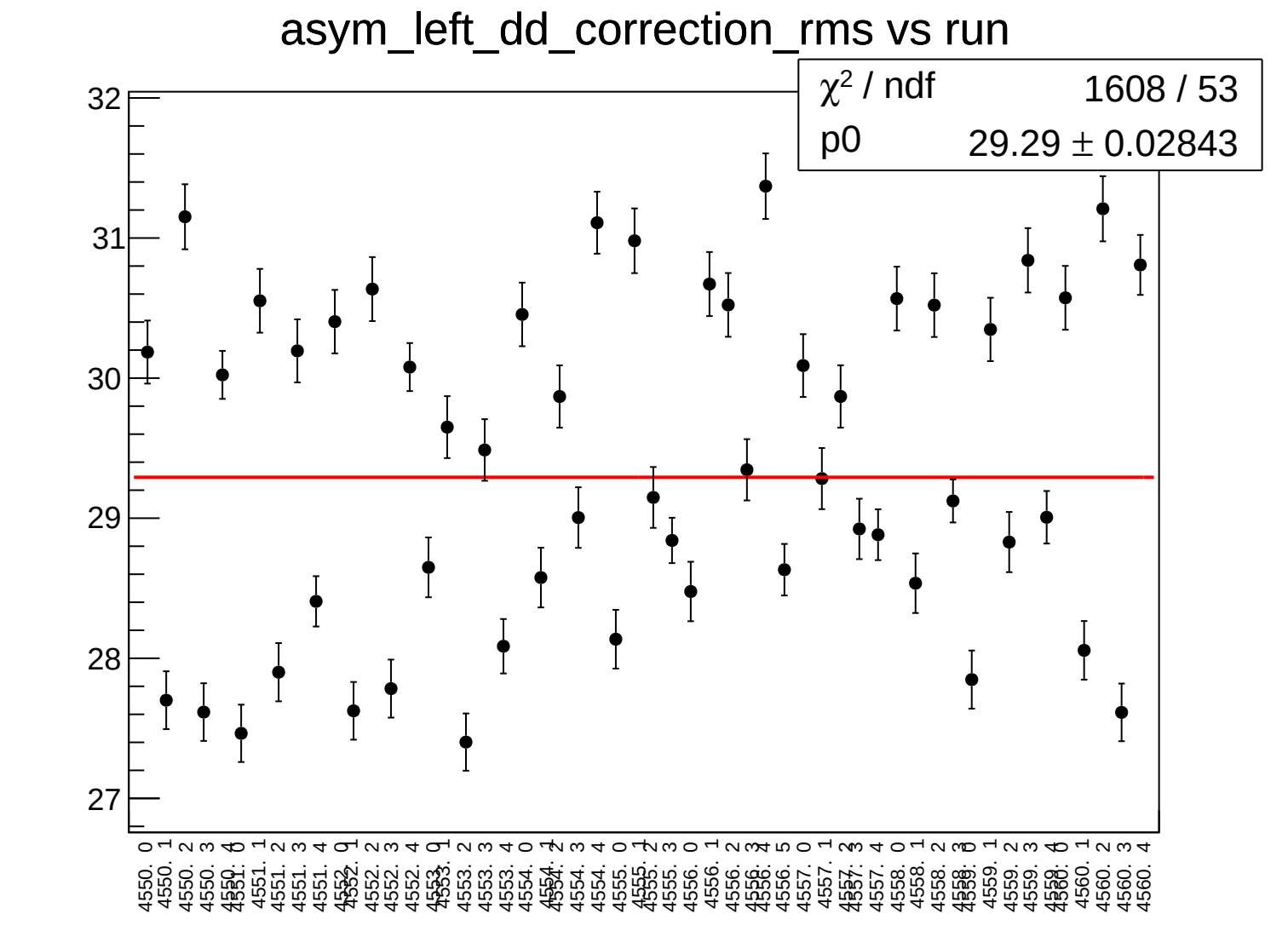

reg_asym_left_dd_mean vs run
χ² / ndf 63.14 / 53
p0 47.06 ± 34
pull
Entries 54
Mean 19.15
Std Dev 13.77

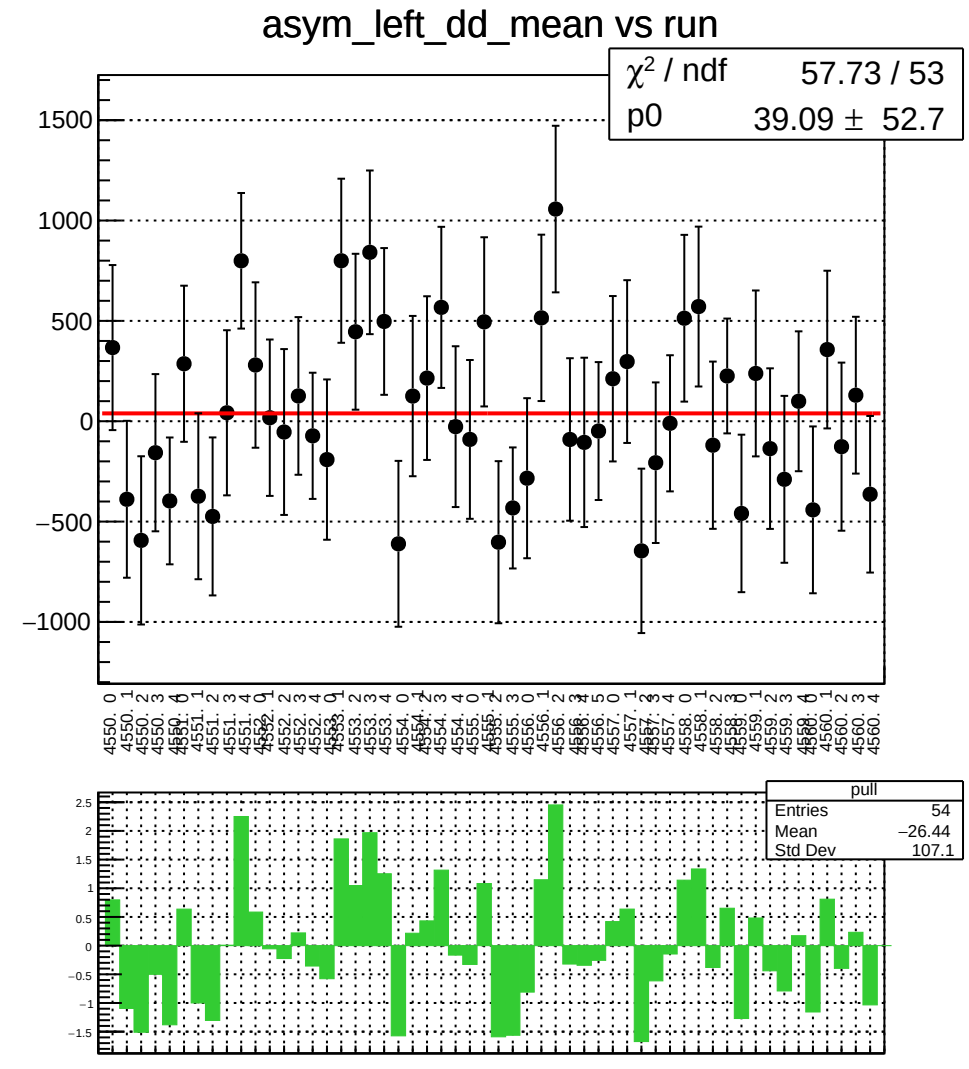

pull1D
Entries 54
Mean 0.02388
Std Dev 1.081

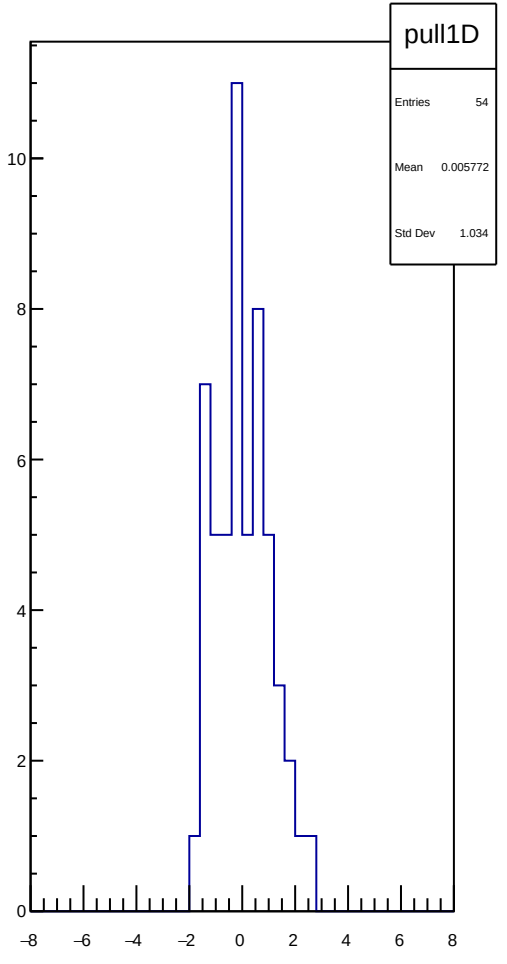

reg_asym_left_dd_rms vs run
χ² / ndf 46.52 / 53
p0 24.79 ± 0.02404
25.4
25.2
25
24.8
24.6
24.4
24.2

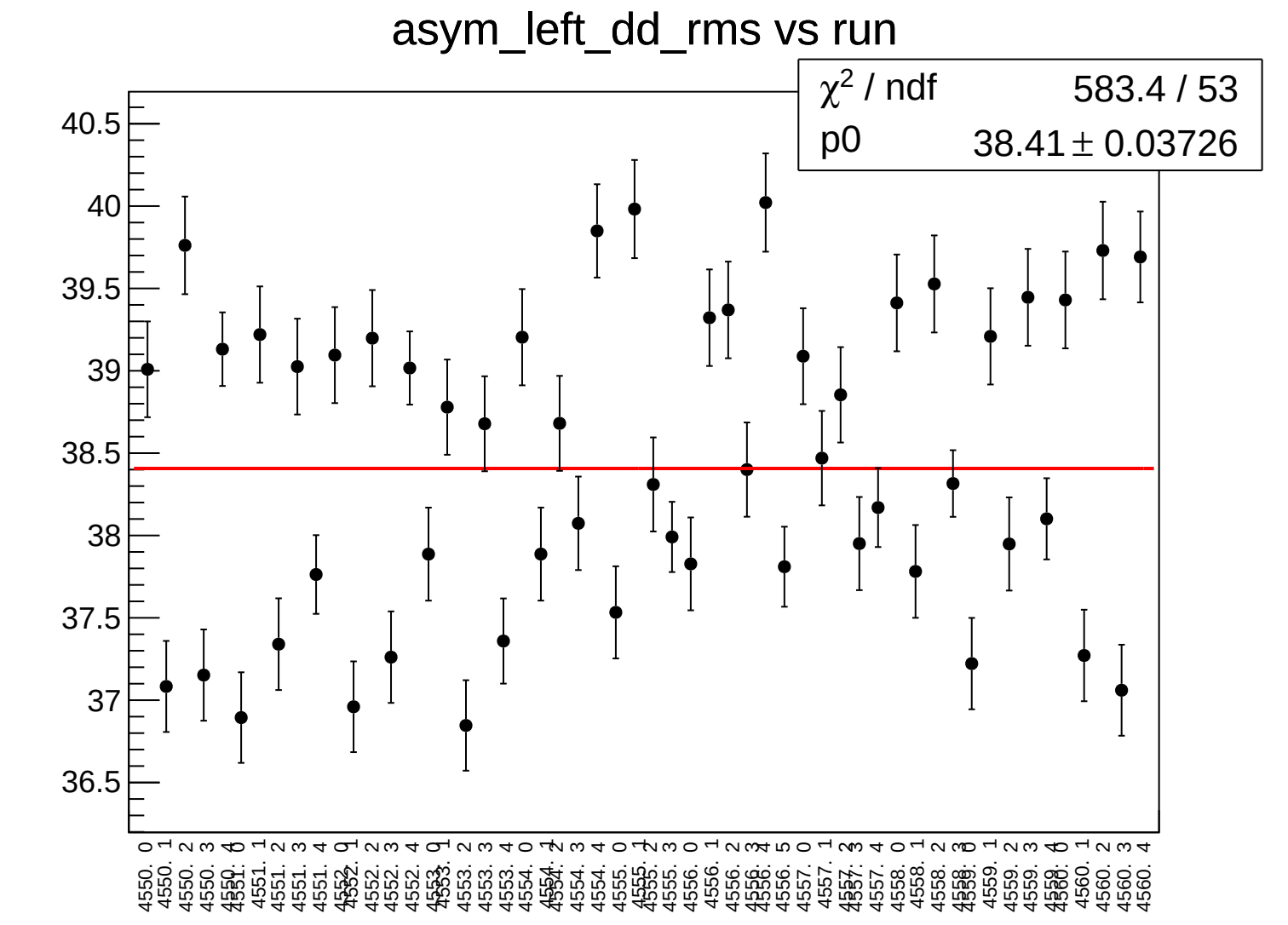

asym_left_dd_correction_mean vs run
χ² / ndf 75.08 / 53
p0 4.811 ± 40.21
pull
Entries 54
Mean 43.13
Std Dev 58.11

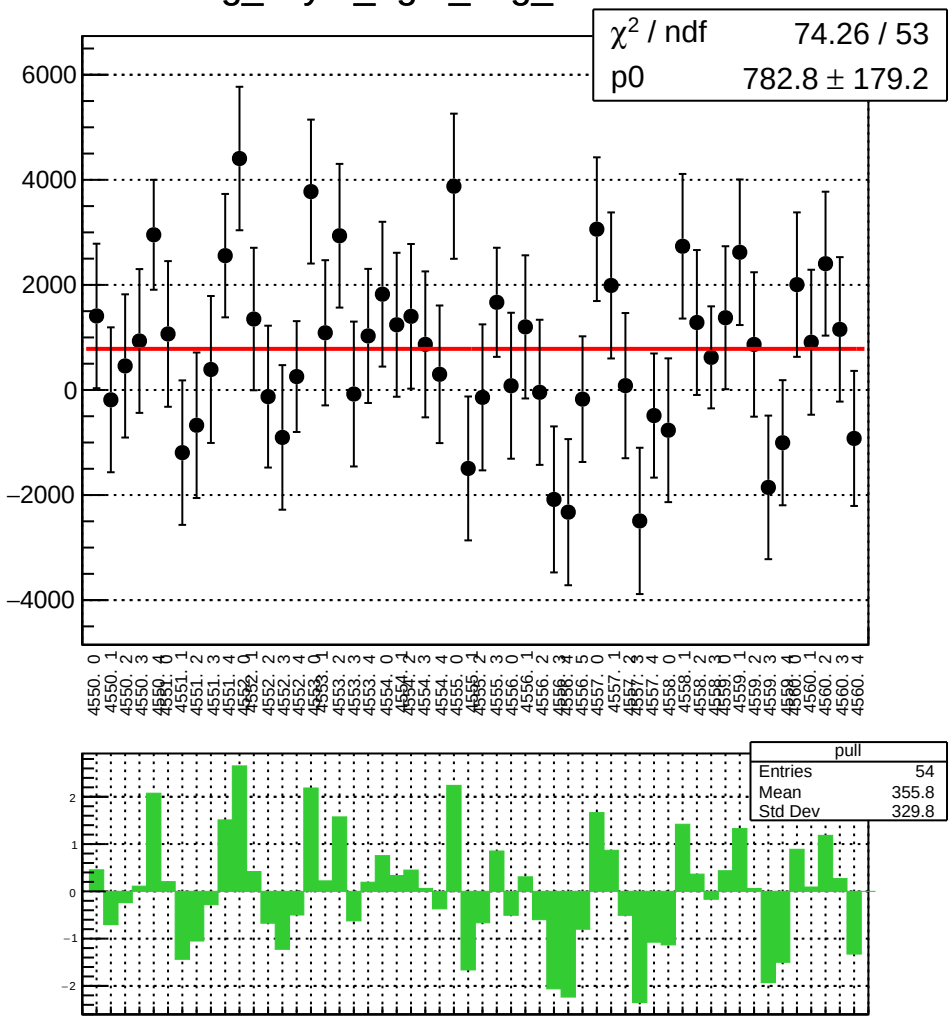

pull1D
Entries 54
Mean 0.01769
Std Dev 1.179

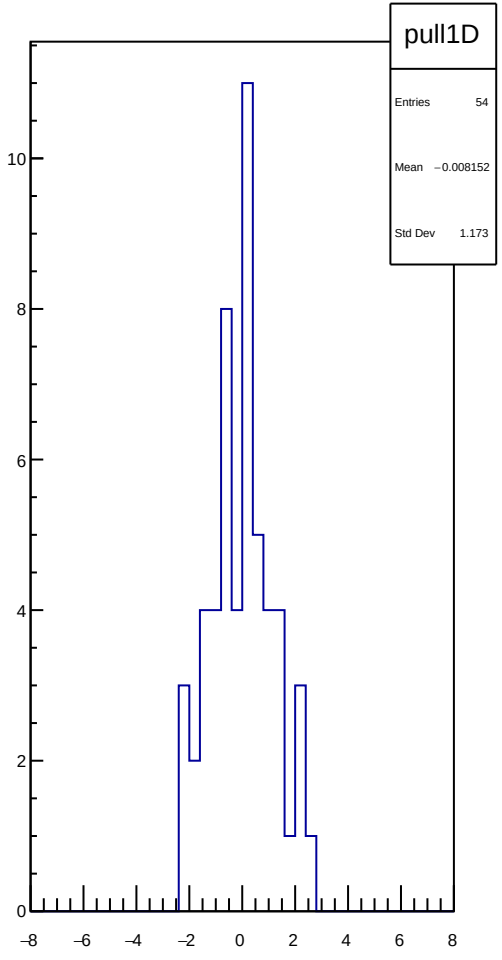

asym_left_dd_correction_rms vs run
χ² / ndf 1608 / 53
p0 29.29 ± 0.02843
32
31
30
29
28
27

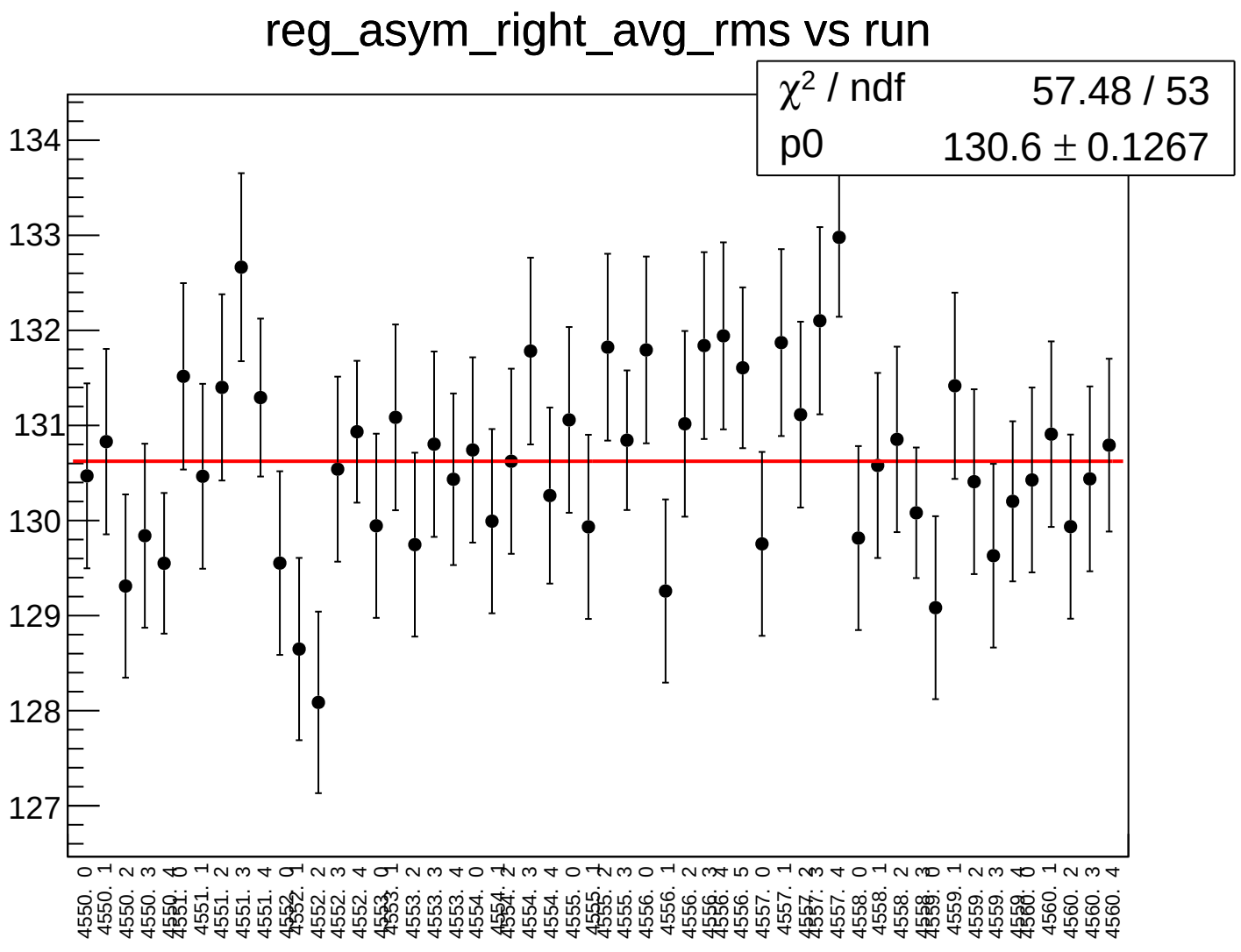

asym_left_dd_mean vs run
χ² / ndf 57.73 / 53
p0 39.09 ± 52.7
1500
1000
500
0
−500
−1000
pull
Entries 54
Mean −26.44
Std Dev 107.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

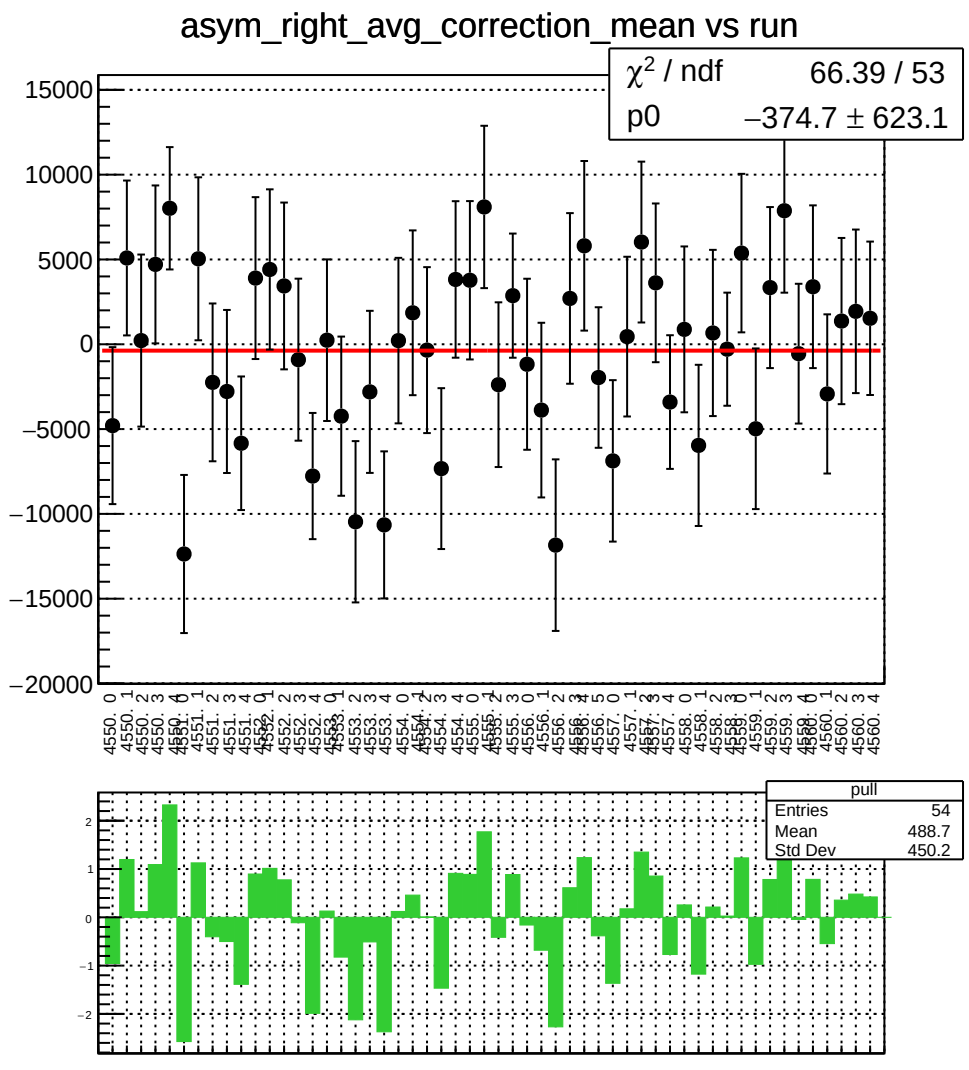

pull1D
Entries 54
Mean 0.005772
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

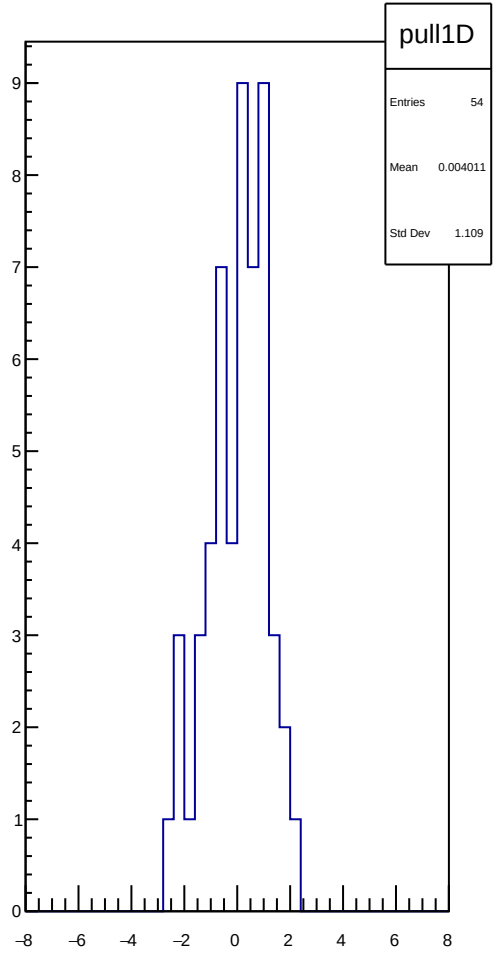

asym_left_dd_rms vs run
χ^2 / ndf 583.4 / 53
p0 38.41 ± 0.03726
40.5
40
39.5
39
38.5
38
37.5
37
36.5
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

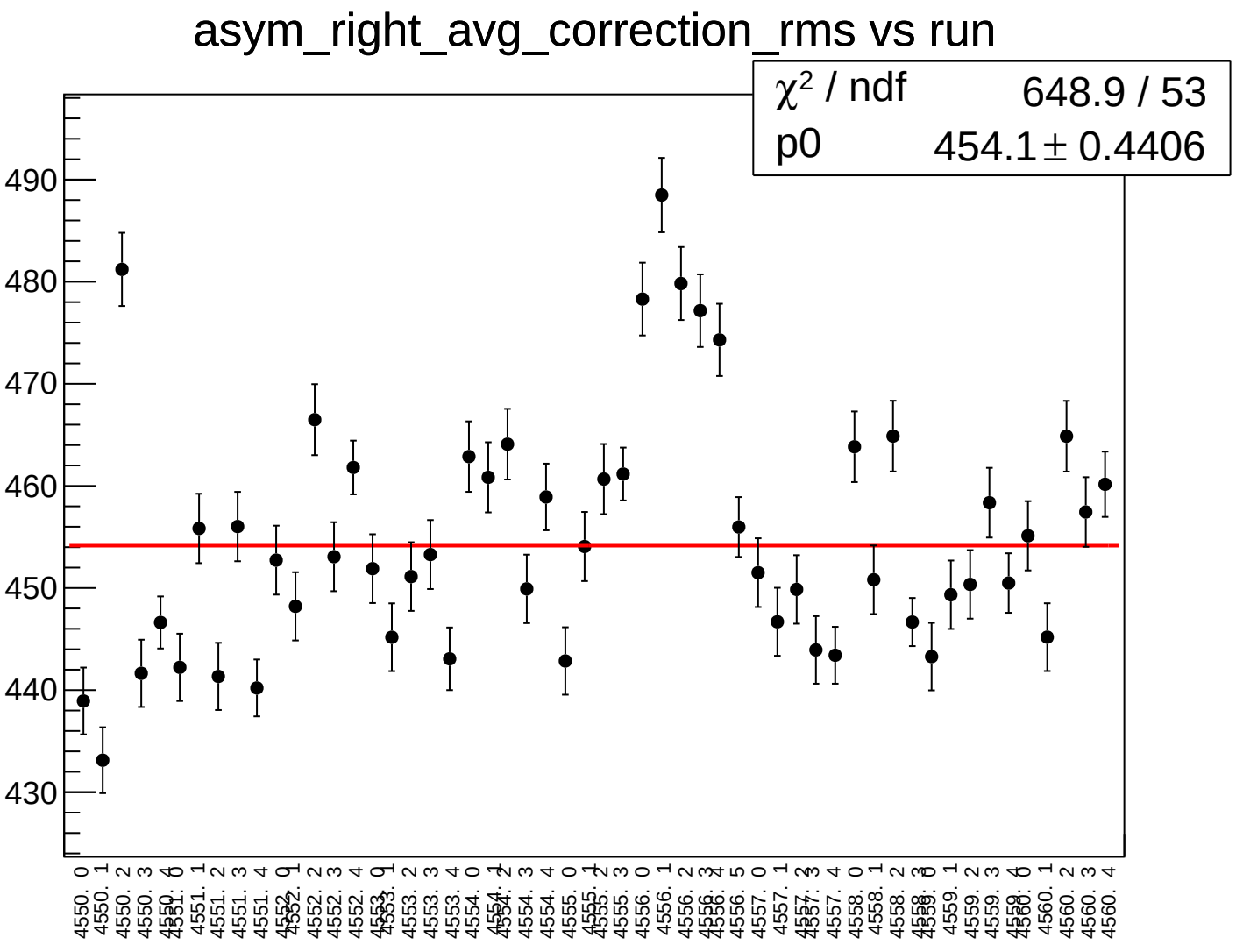

reg_asym_right_avg_mean vs run
χ² / ndf 74.26 / 53
p0 782.8 ± 179.2
pull
Entries 54
Mean 355.8
Std Dev 329.8

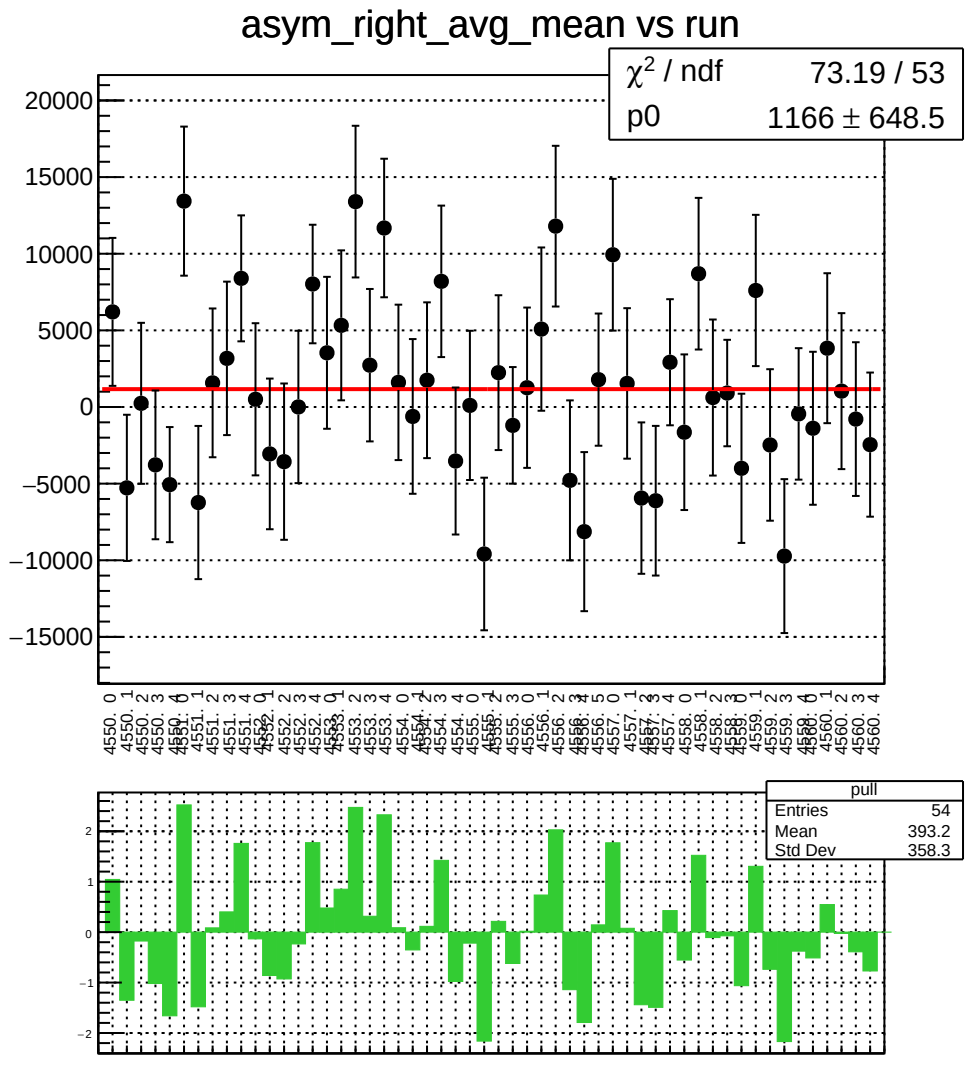

pull1D
Entries 54
Mean −0.008152
Std Dev 1.173

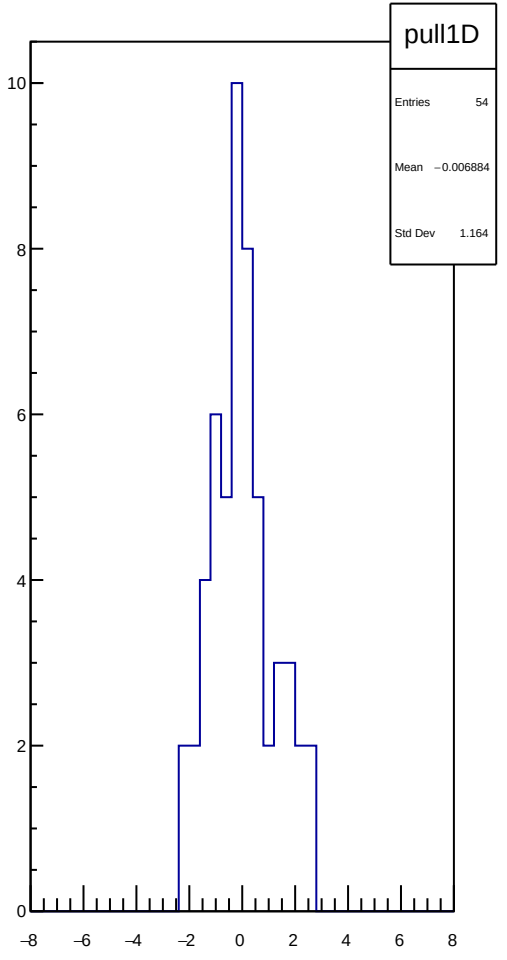

reg_asym_right_avg_rms vs run
χ² / ndf 57.48 / 53
p0 130.6 ± 0.1267
134
133
132
131
130
129
128
127

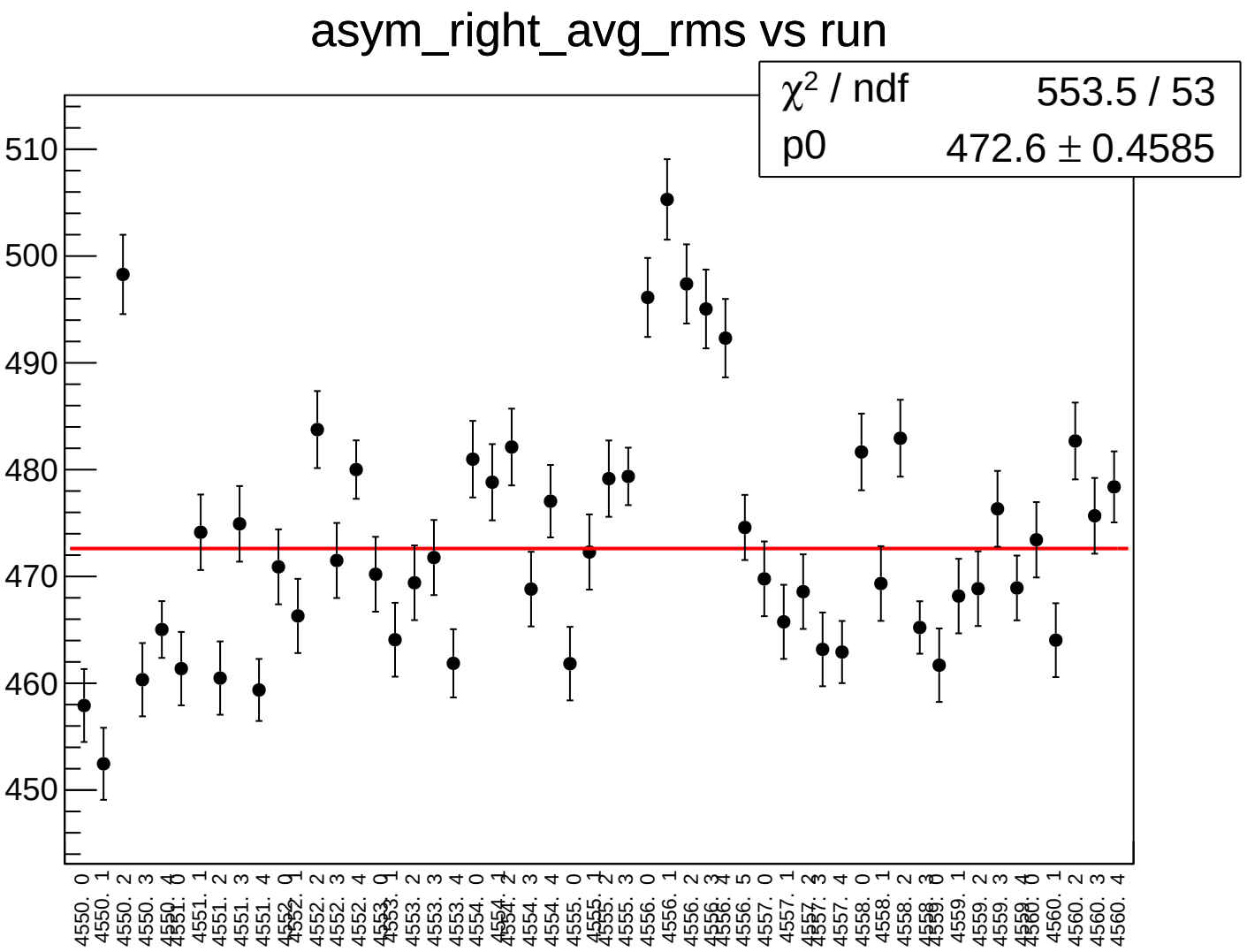

asym_right_avg_correction_mean vs run
χ² / ndf 66.39 / 53
p0 −374.7 ± 623.1
pull
Entries 54
Mean 488.7
Std Dev 450.2

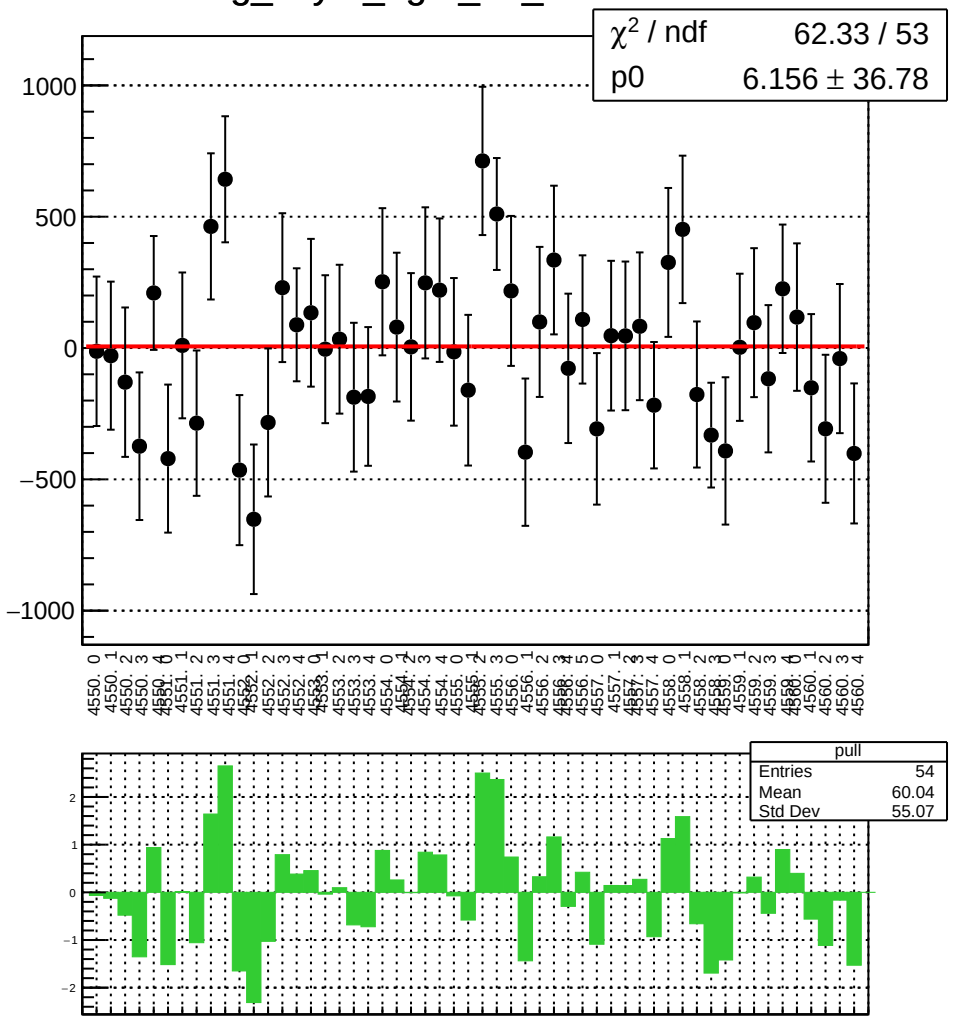

pull1D
Entries 54
Mean 0.004011
Std Dev 1.109

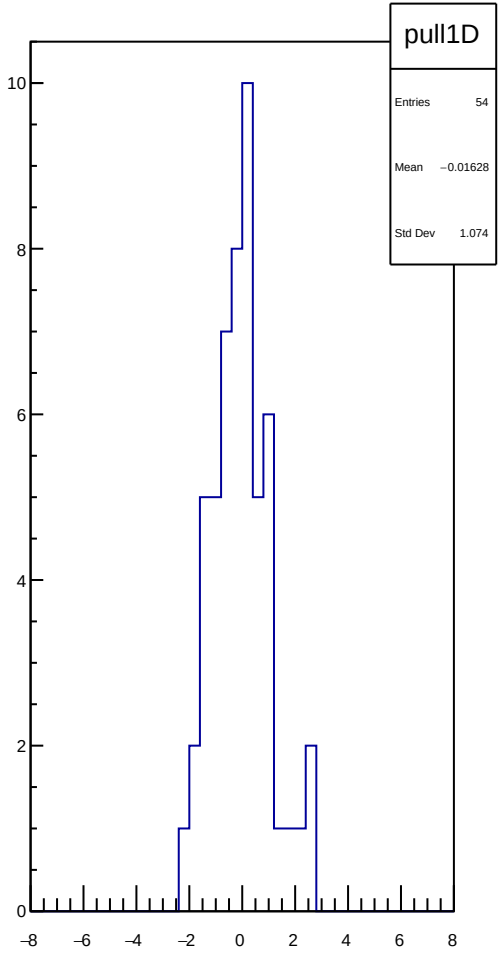

asym_right_avg_correction_rms vs run
χ² / ndf 648.9 / 53
p0 454.1 ± 0.4406
490
480
470
460
450
440
430
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

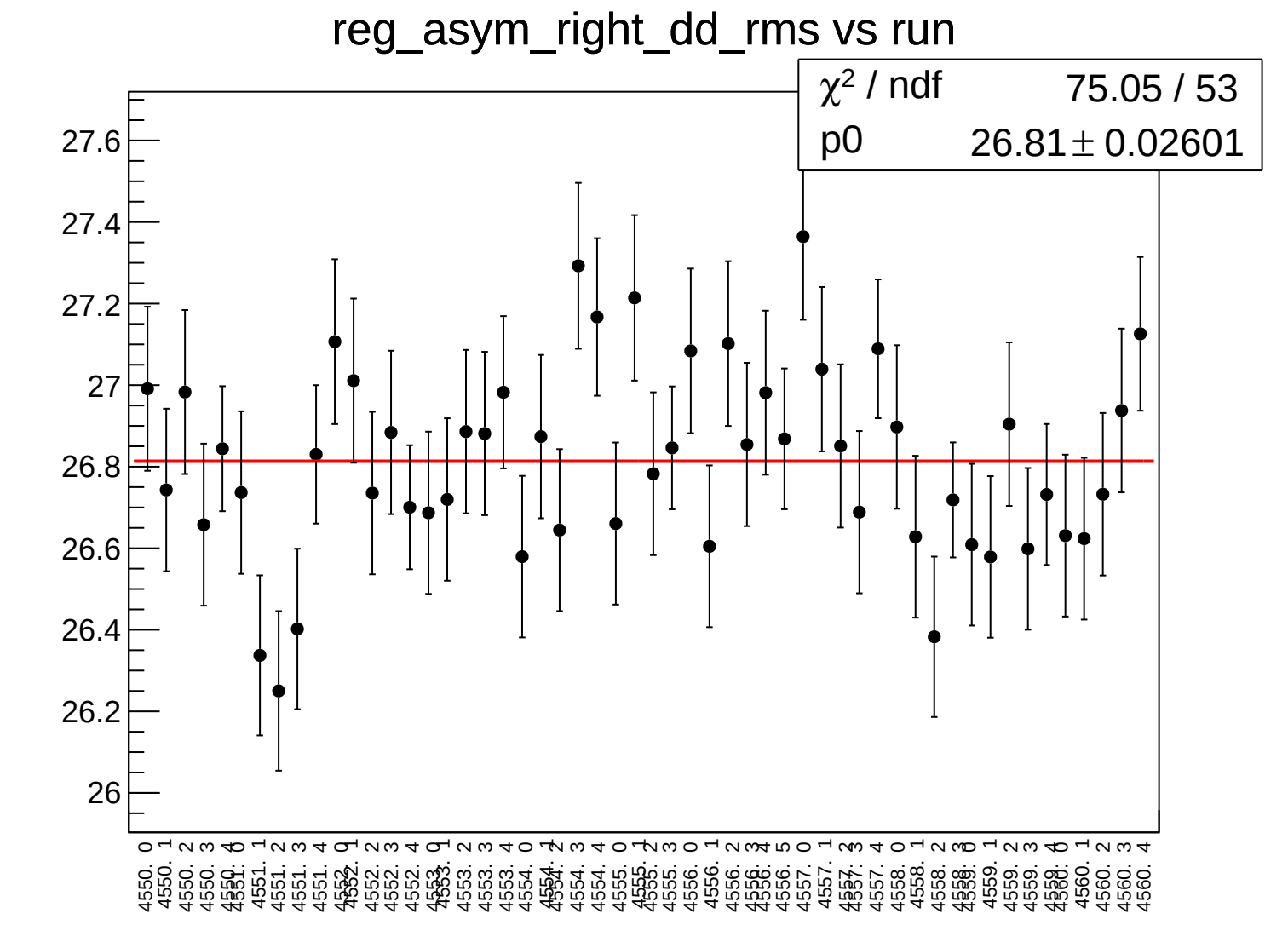

asym_right_avg_mean vs run
χ² / ndf 73.19 / 53
p0 1166 ± 648.5
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 393.2
Std Dev 358.3
2
1
0
−1
−2

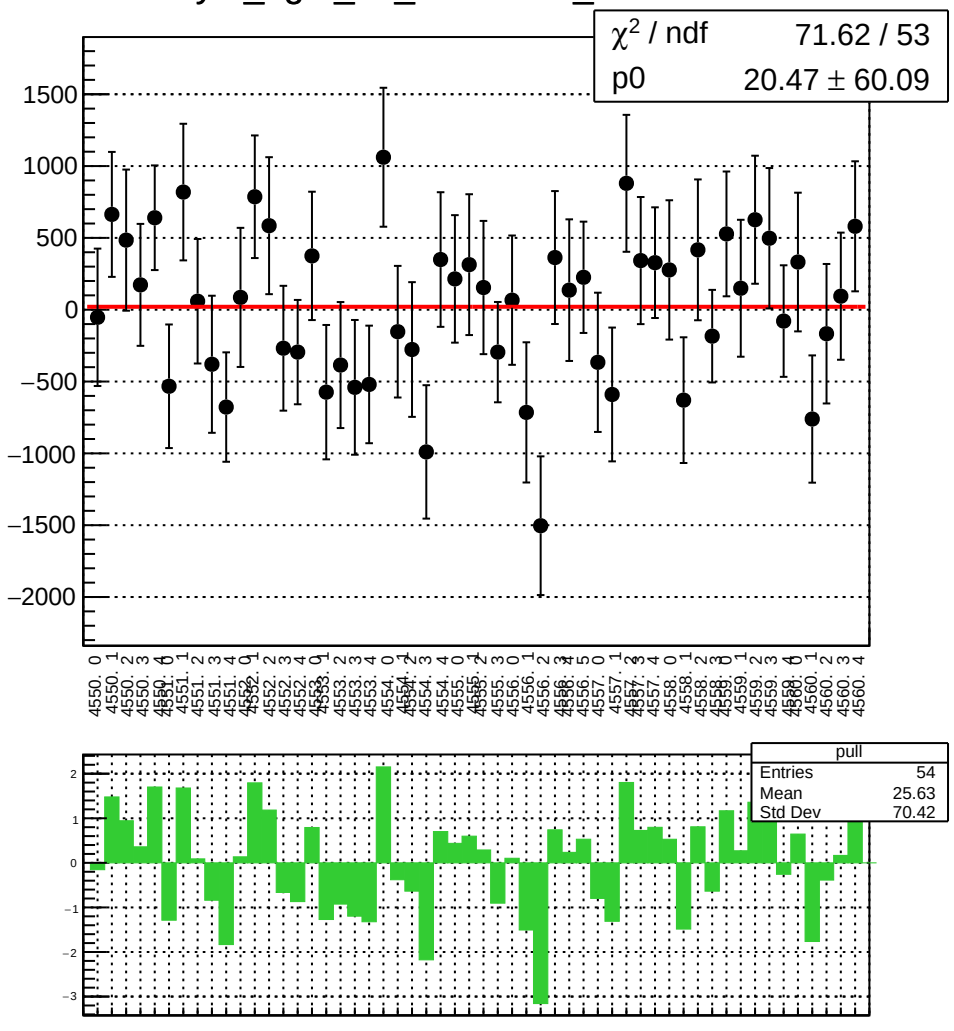

pull1D
Entries 54
Mean −0.006884
Std Dev 1.164
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

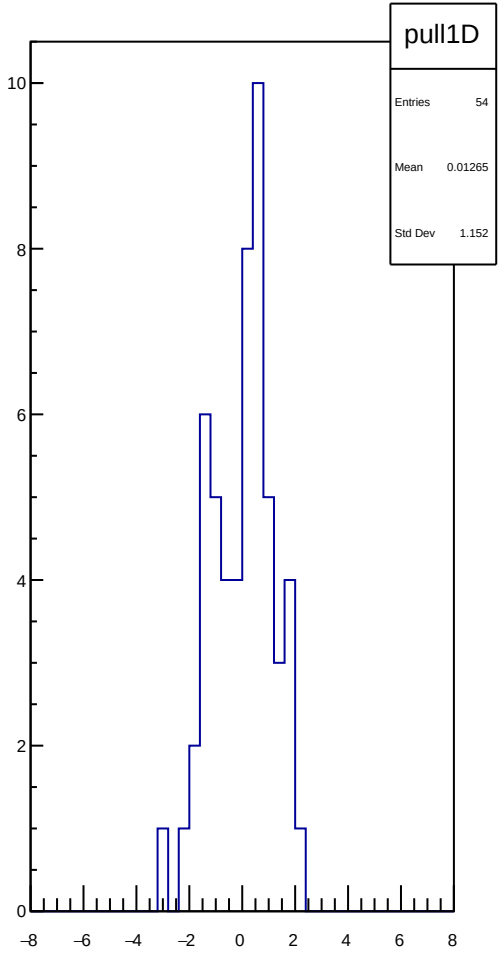

asym_right_avg_rms vs run
χ² / ndf 553.5 / 53
p0 472.6 ± 0.4585
510
500
490
480
470
460
450
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

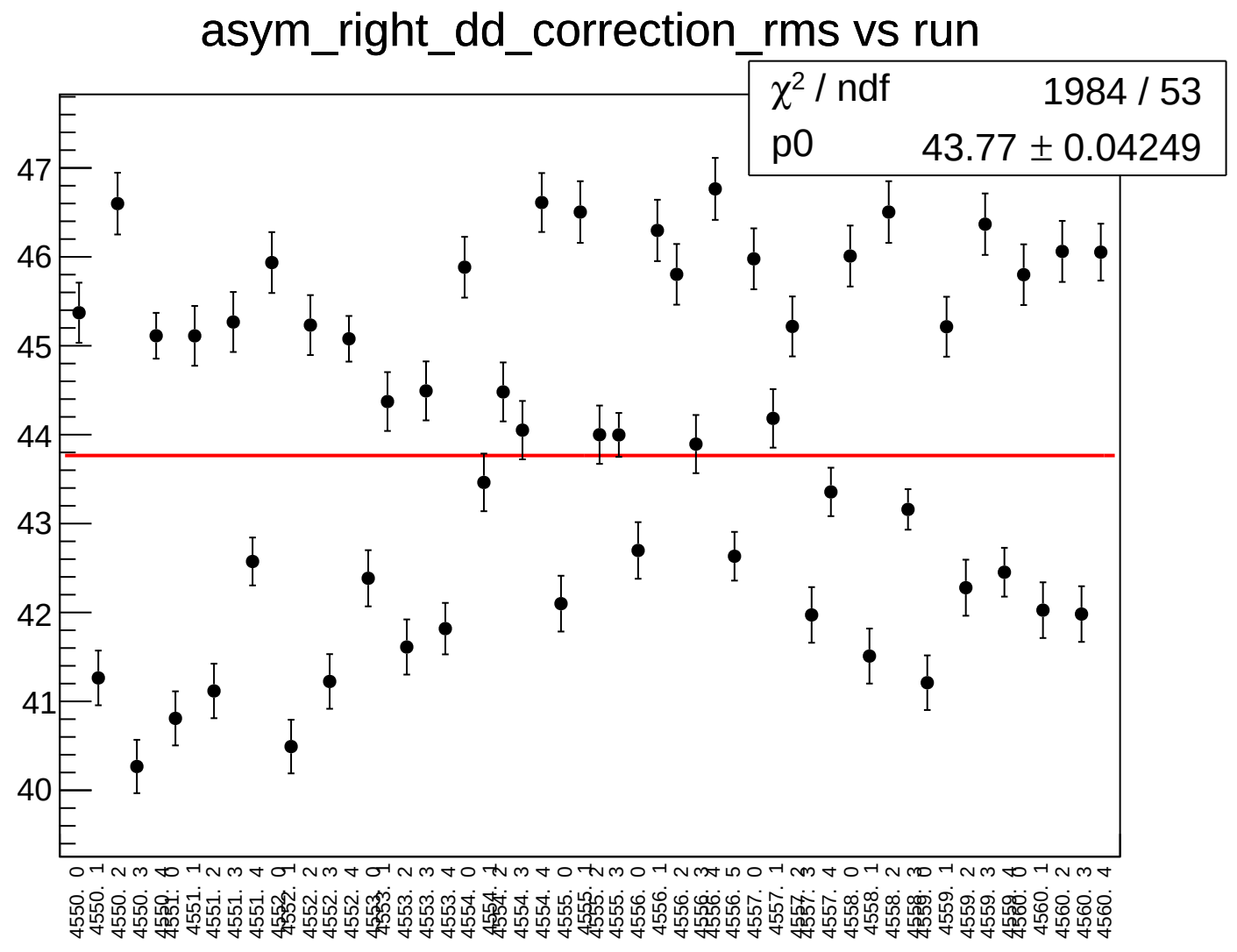

reg_asym_right_dd_mean vs run
χ² / ndf 62.33 / 53
p0 6.156 ± 36.78
pull
Entries 54
Mean 60.04
Std Dev 55.07

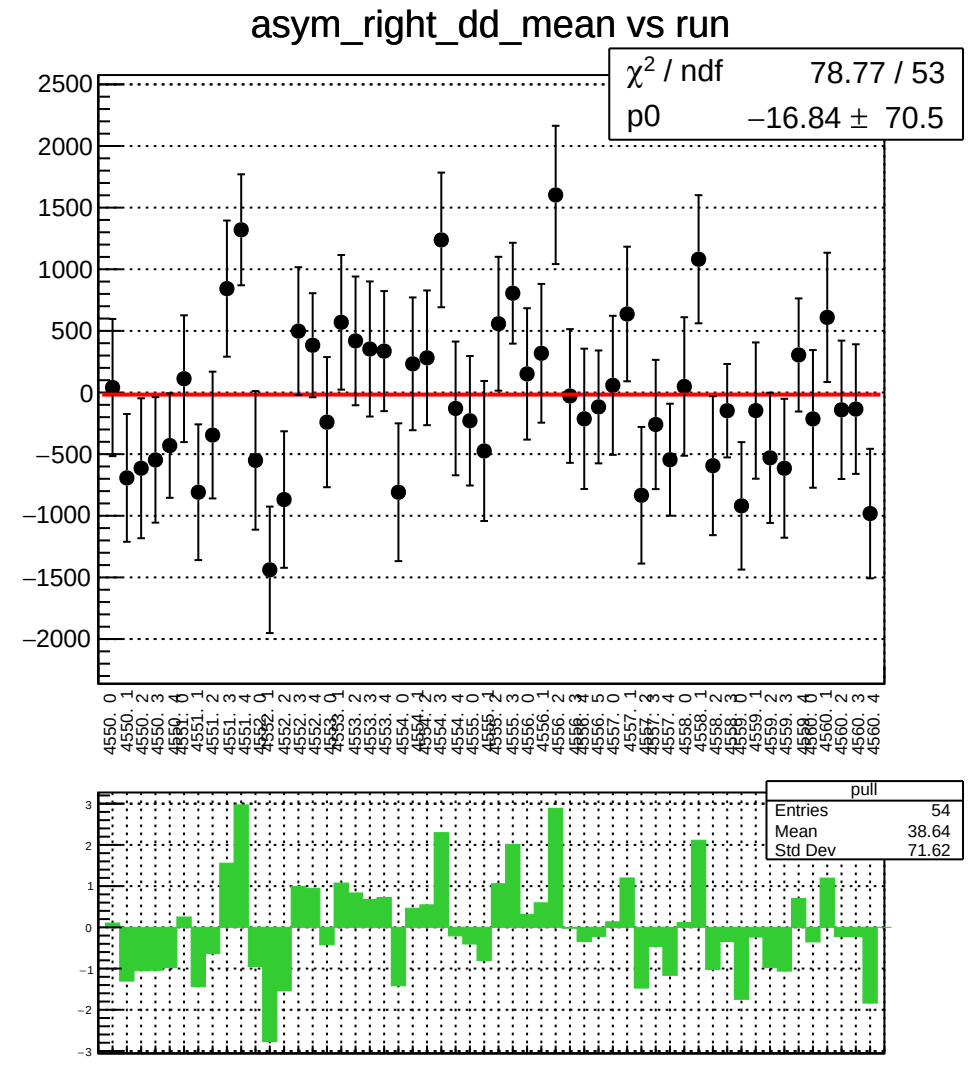

pull1D
Entries 54
Mean −0.01628
Std Dev 1.074

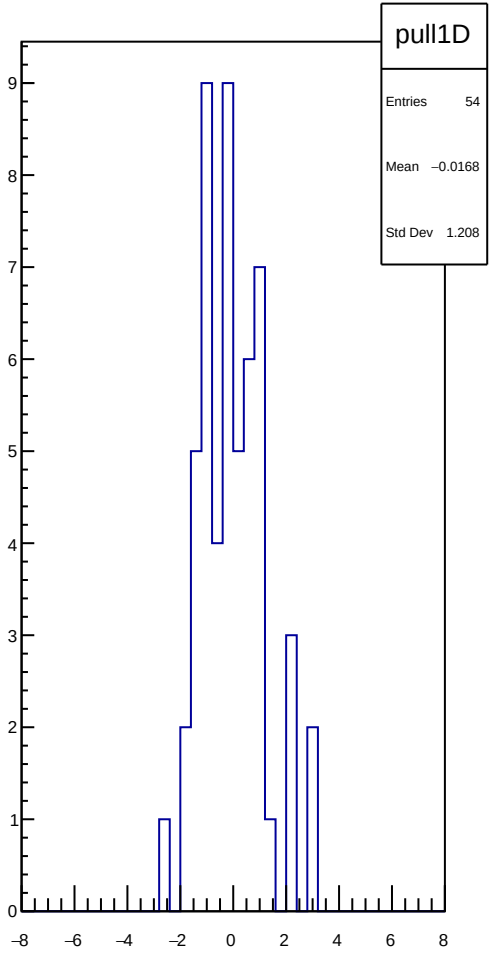

reg_asym_right_dd_rms vs run
χ² / ndf 75.05 / 53
p0 26.81 ± 0.02601
27.6
27.4
27.2
27
26.8
26.6
26.4
26.2
26

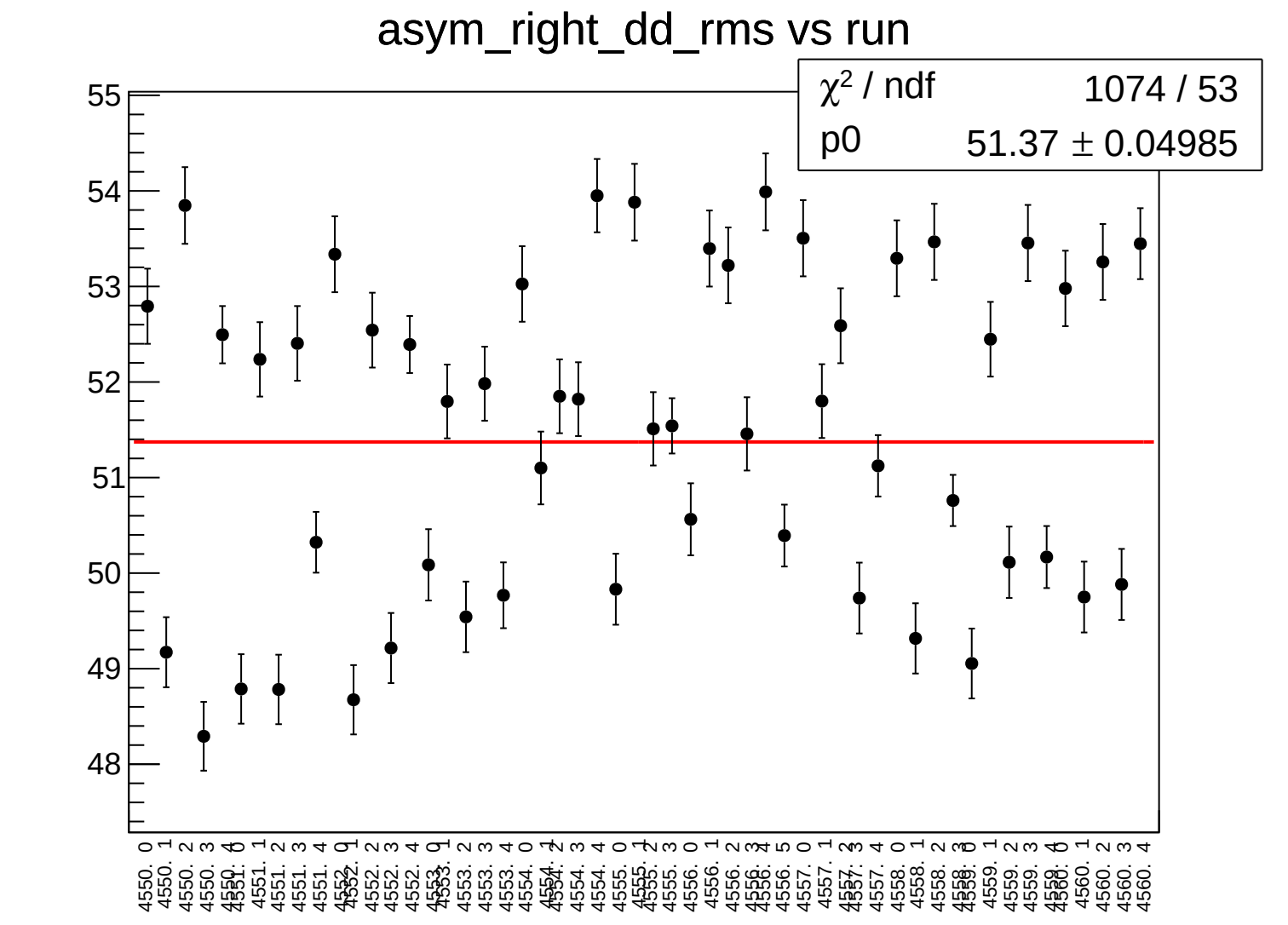

asym_right_dd_correction_mean vs run
χ² / ndf 71.62 / 53
p0 20.47 ± 60.09
pull
Entries 54
Mean 25.63
Std Dev 70.42


pull1D
Entries 54
Mean 0.01265
Std Dev 1.152


asym_right_dd_correction_rms vs run
χ² / ndf 1984 / 53
p0 43.77 ± 0.04249
47
46
45
44
43
42
41
40
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_right_dd_mean vs run
χ² / ndf 78.77 / 53
p0 −16.84 ± 70.5
pull
Entries 54
Mean 38.64
Std Dev 71.62


pull1D
Entries 54
Mean −0.0168
Std Dev 1.208


asym_right_dd_rms vs run
χ² / ndf 1074 / 53
p0 51.37 ± 0.04985
55
54
53
52
51
50
49
48
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
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4554. 2
4554. 3
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4558. 1
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4558. 4
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4559. 2
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4559. 4
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4560. 1
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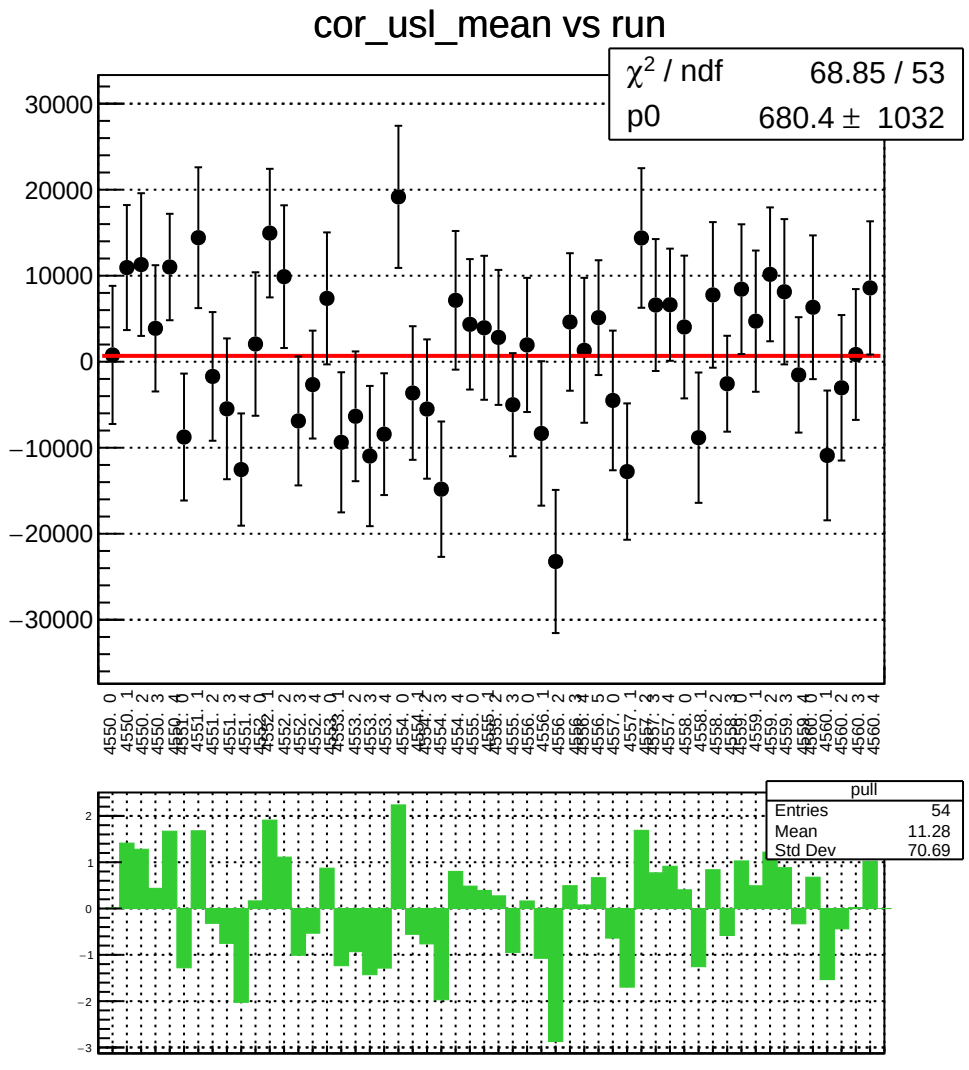
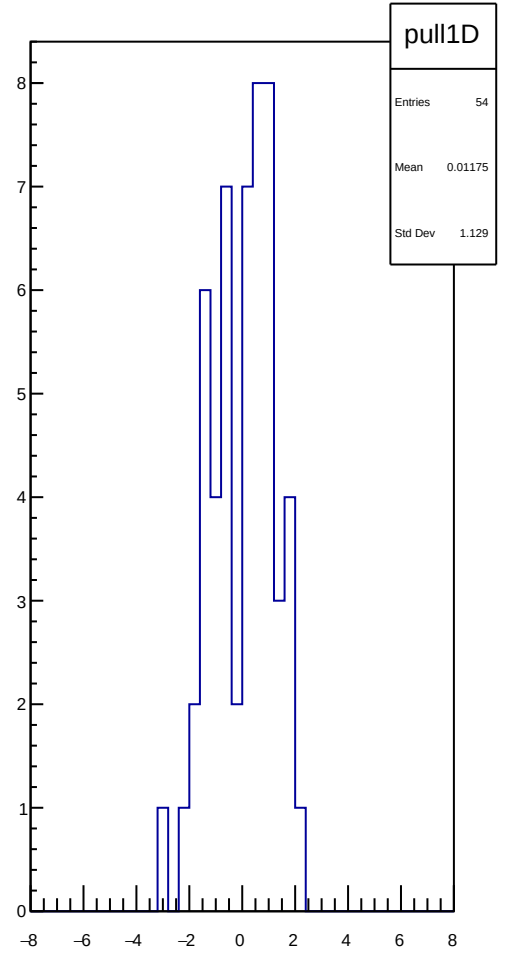
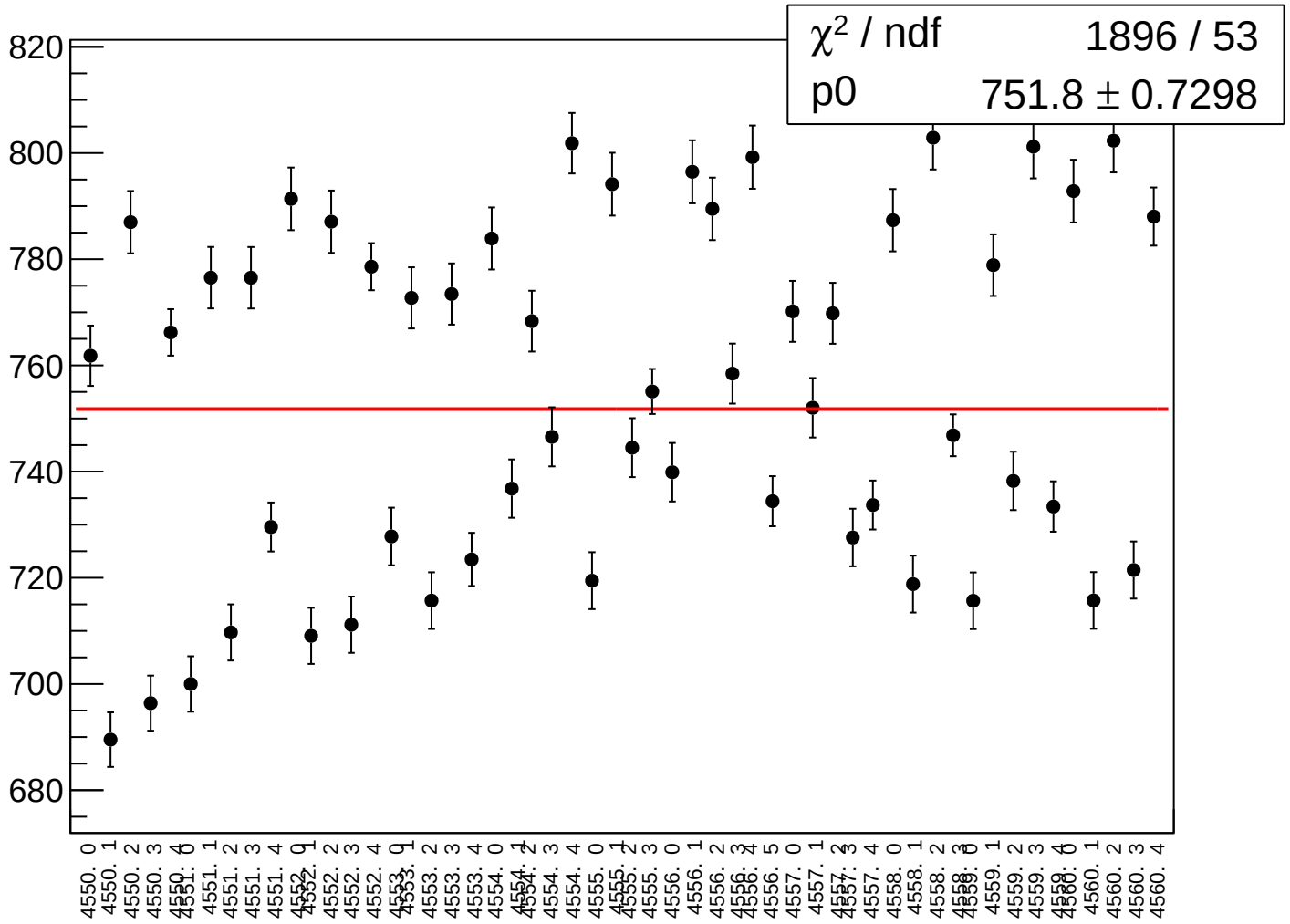
4560. 3
4560. 4


cor_usl_mean vs run
χ² / ndf 68.85 / 53
p0 680.4 ± 1032
pull
Entries 54
Mean 11.28
Std Dev 70.69


pull1D
Entries 54
Mean 0.01175
Std Dev 1.129


cor_usl_rms vs run
χ² / ndf 1896 / 53
p0 751.8 ± 0.7298
820
800
780
760
740
720
700
680
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
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4554. 2
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4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
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4558. 0
4558. 1
4558. 2
4558. 3
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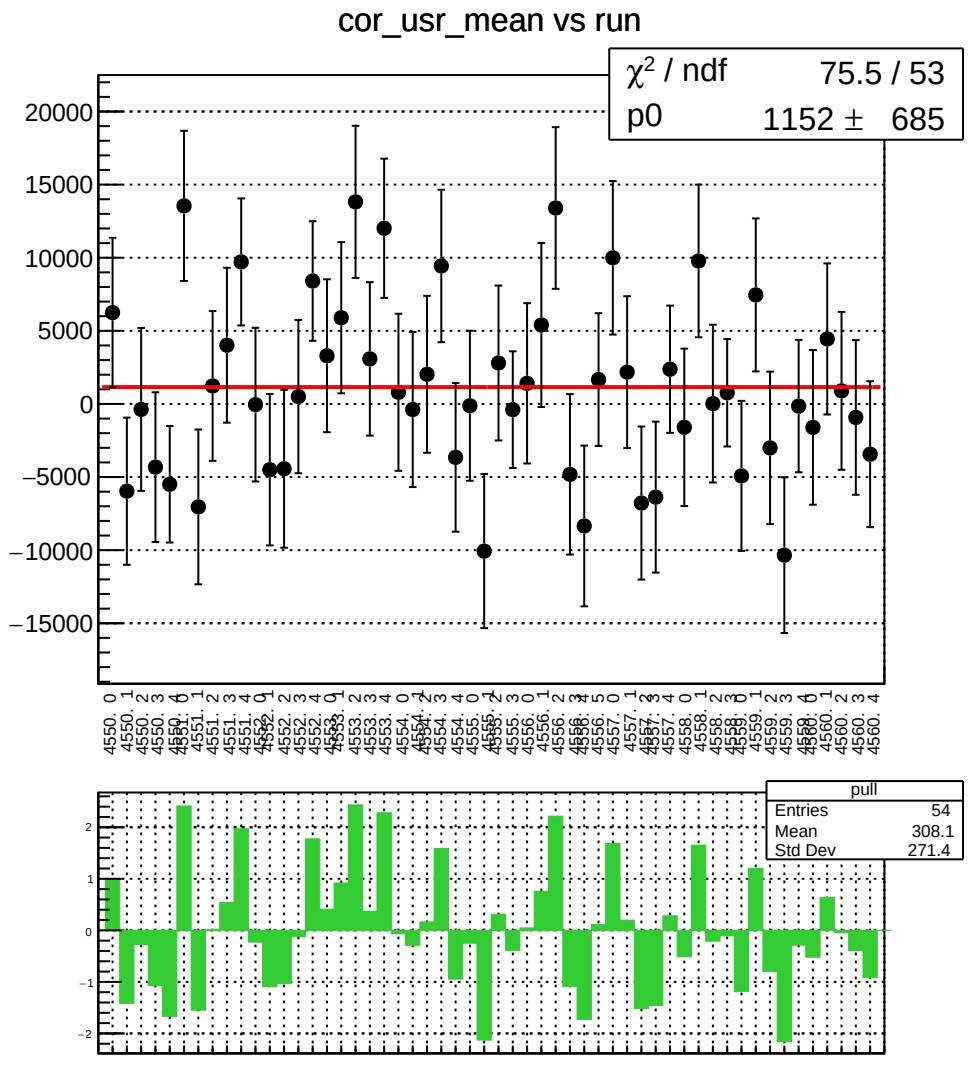
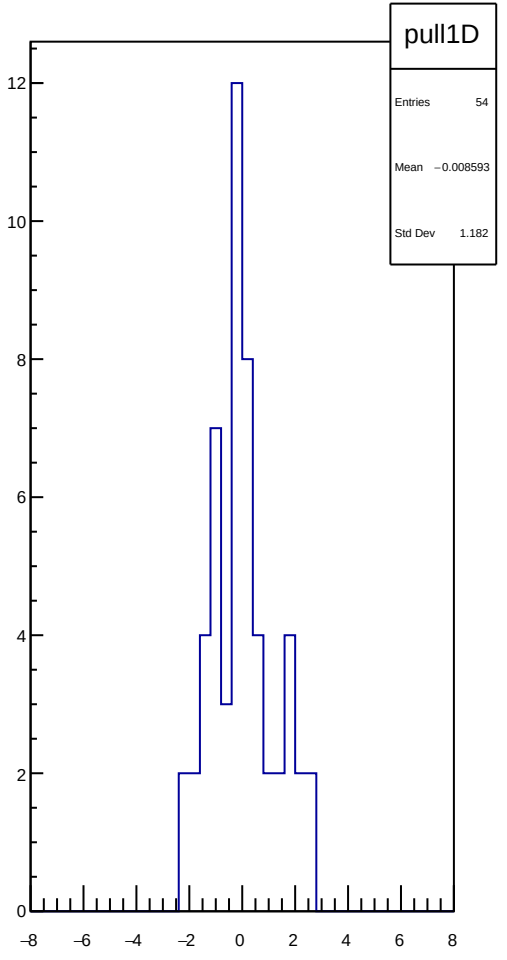
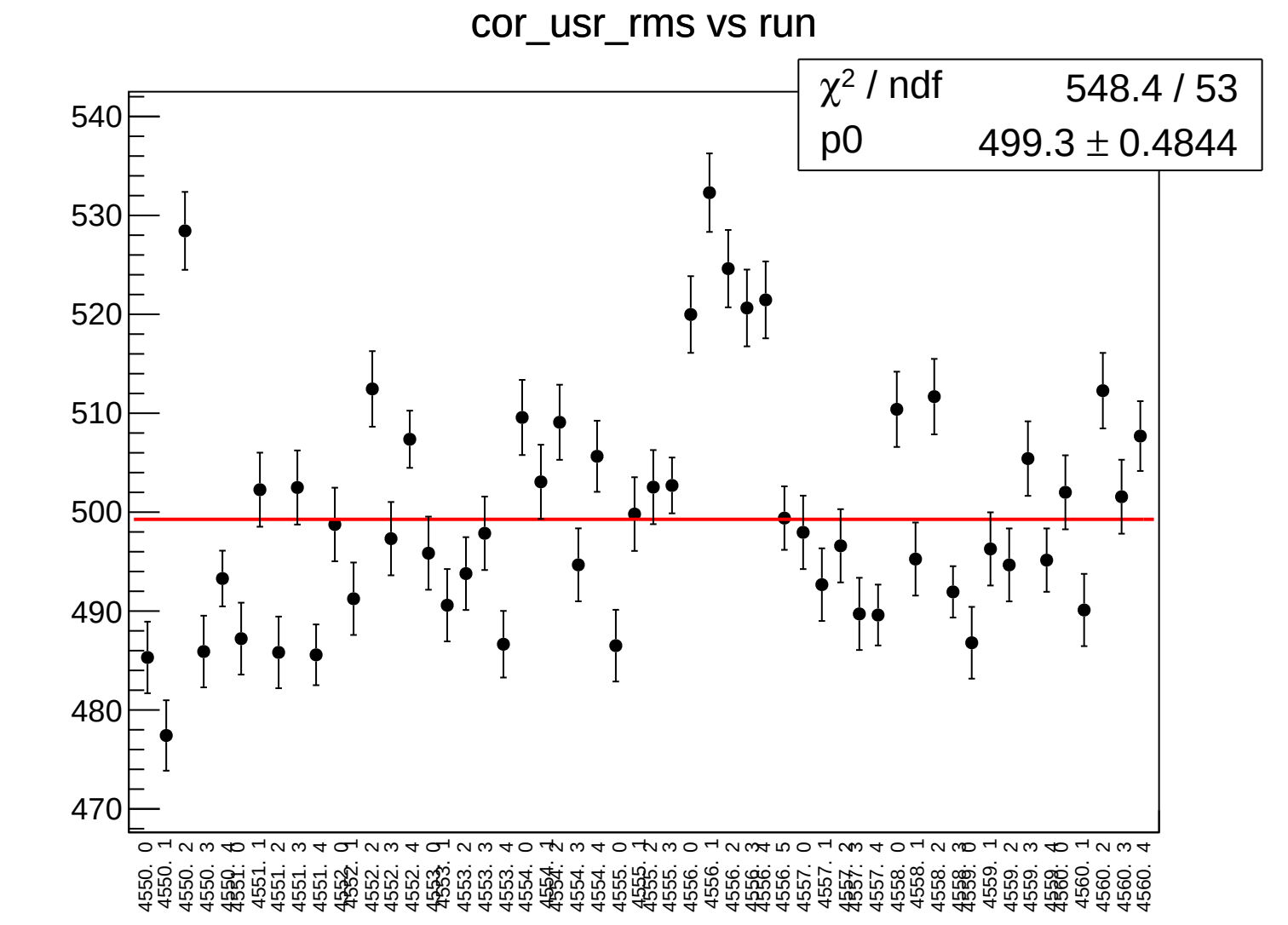
4560. 4


cor_usr_mean vs run
χ² / ndf 75.5 / 53
p0 1152 ± 685
pull
Entries 54
Mean 308.1
Std Dev 271.4


pull1D
Entries 54
Mean −0.008593
Std Dev 1.182


cor_usr_rms vs run
χ² / ndf 548.4 / 53
p0 499.3 ± 0.4844
540
530
520
510
500
490
480
470
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
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4557. 1
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4558. 1
4558. 2
4558. 3
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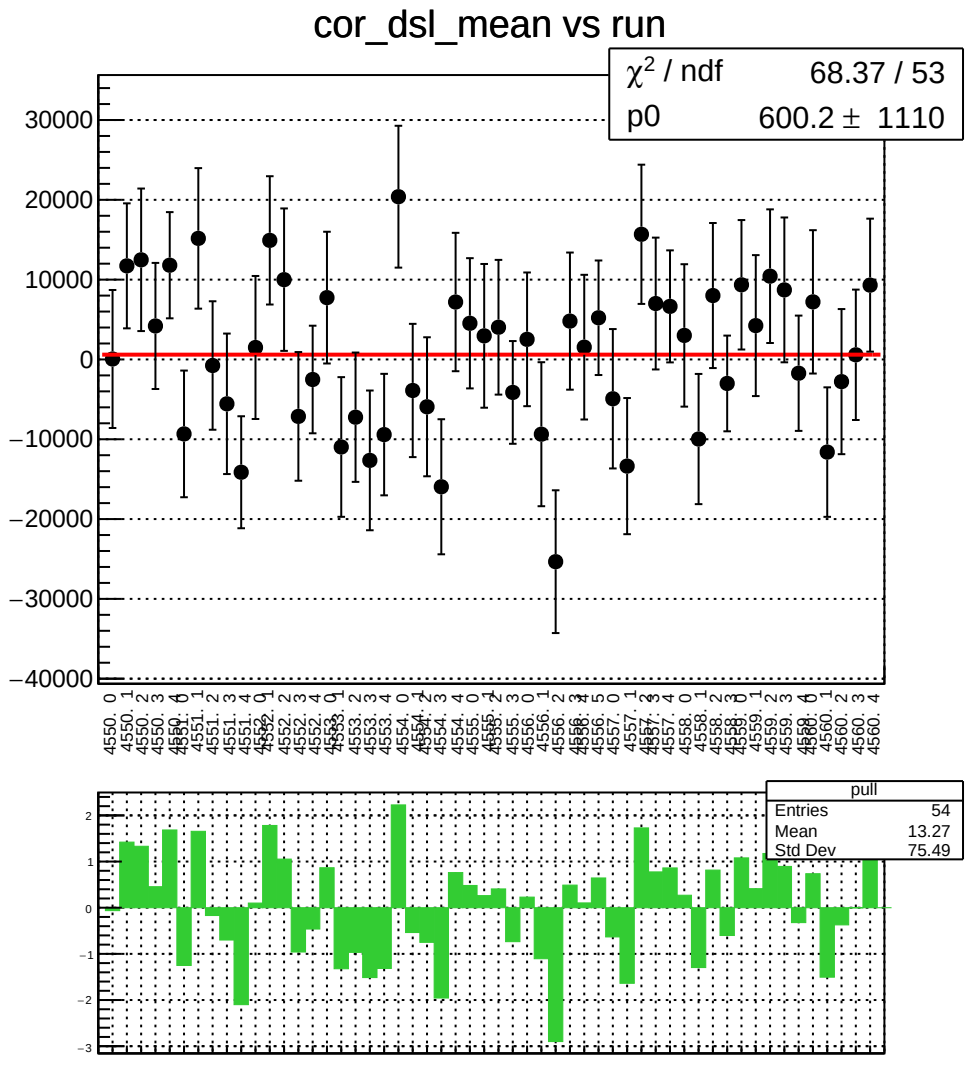
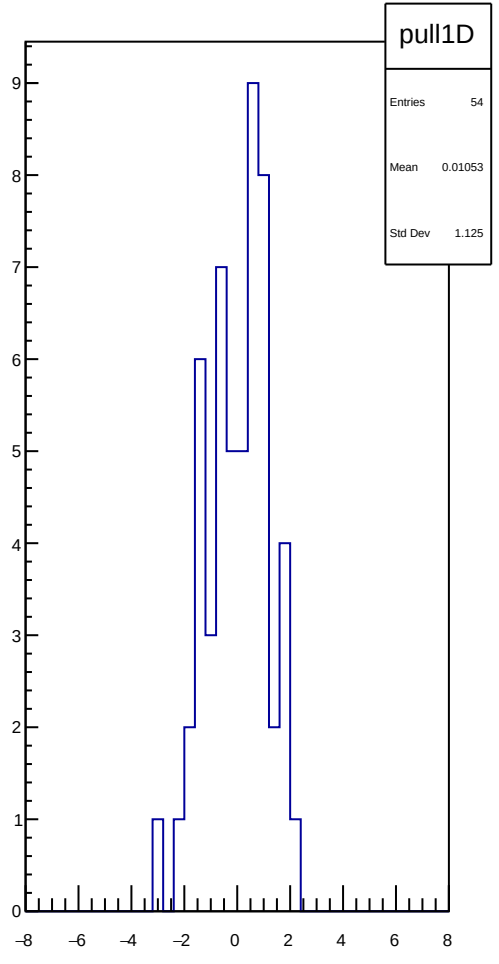
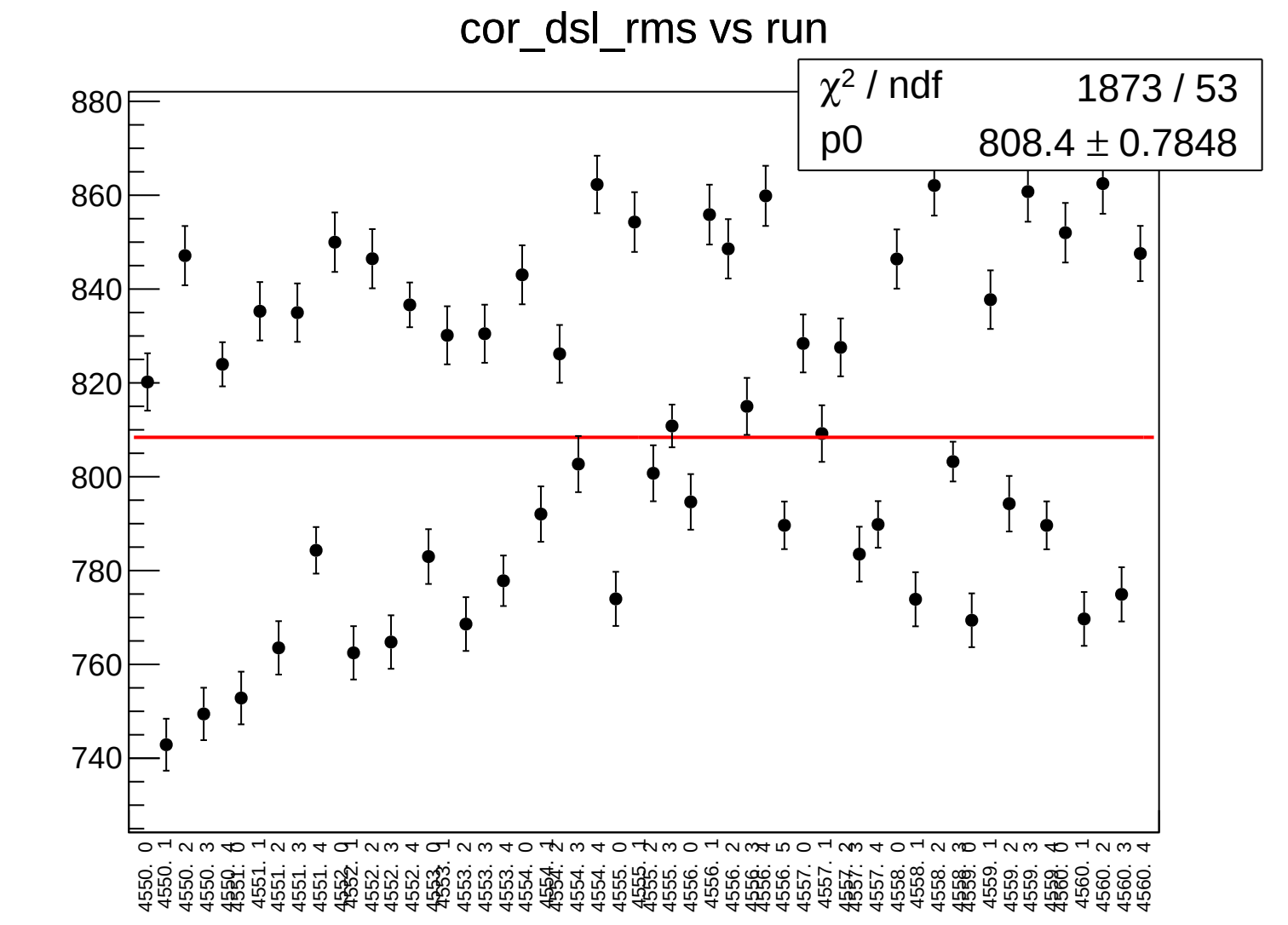
4560. 4


cor_dsl_mean vs run
χ² / ndf 68.37 / 53
p0 600.2 ± 1110
pull
Entries 54
Mean 13.27
Std Dev 75.49


pull1D
Entries 54
Mean 0.01053
Std Dev 1.125


cor_dsl_rms vs run
χ² / ndf 1873 / 53
p0 808.4 ± 0.7848
880
860
840
820
800
780
760
740
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
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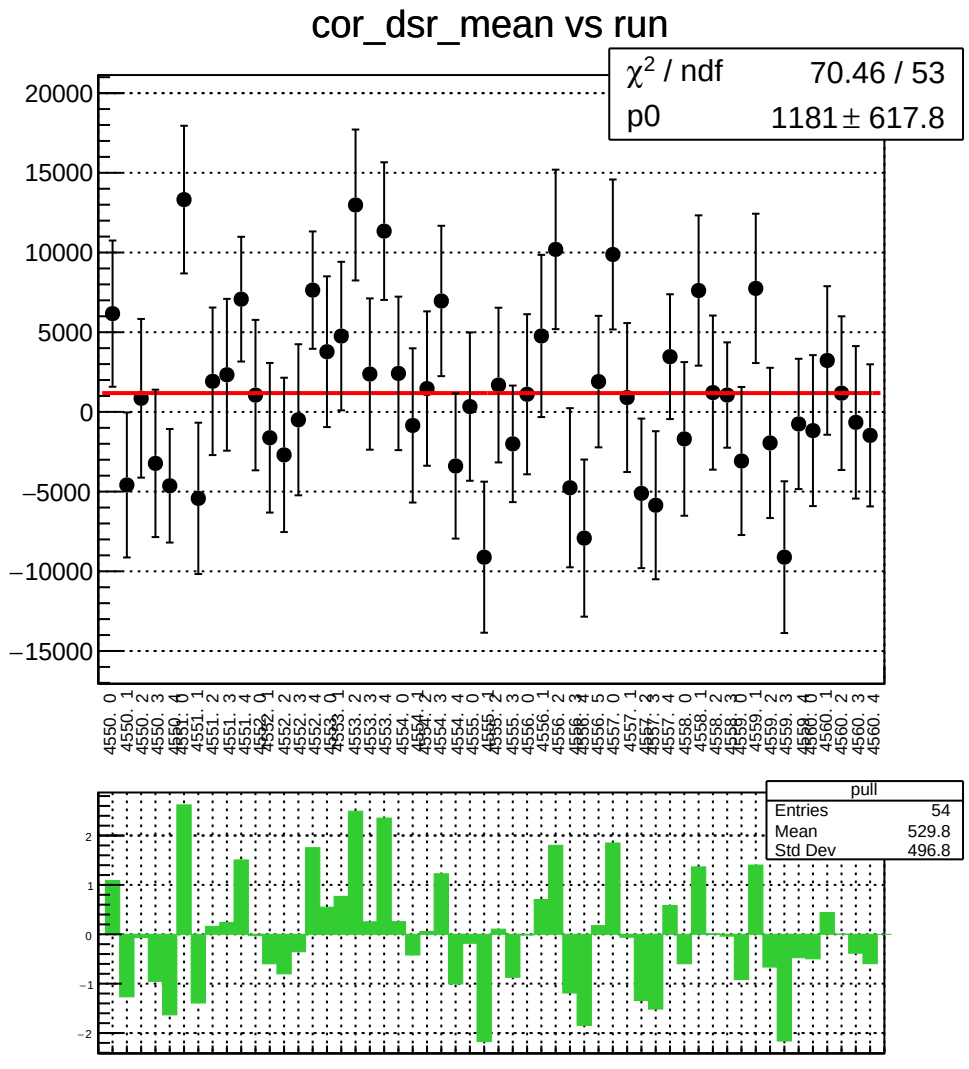
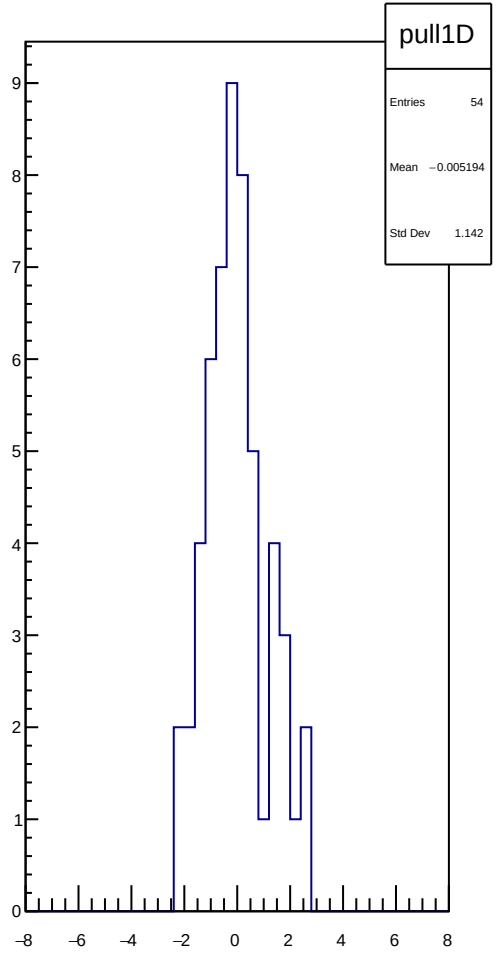
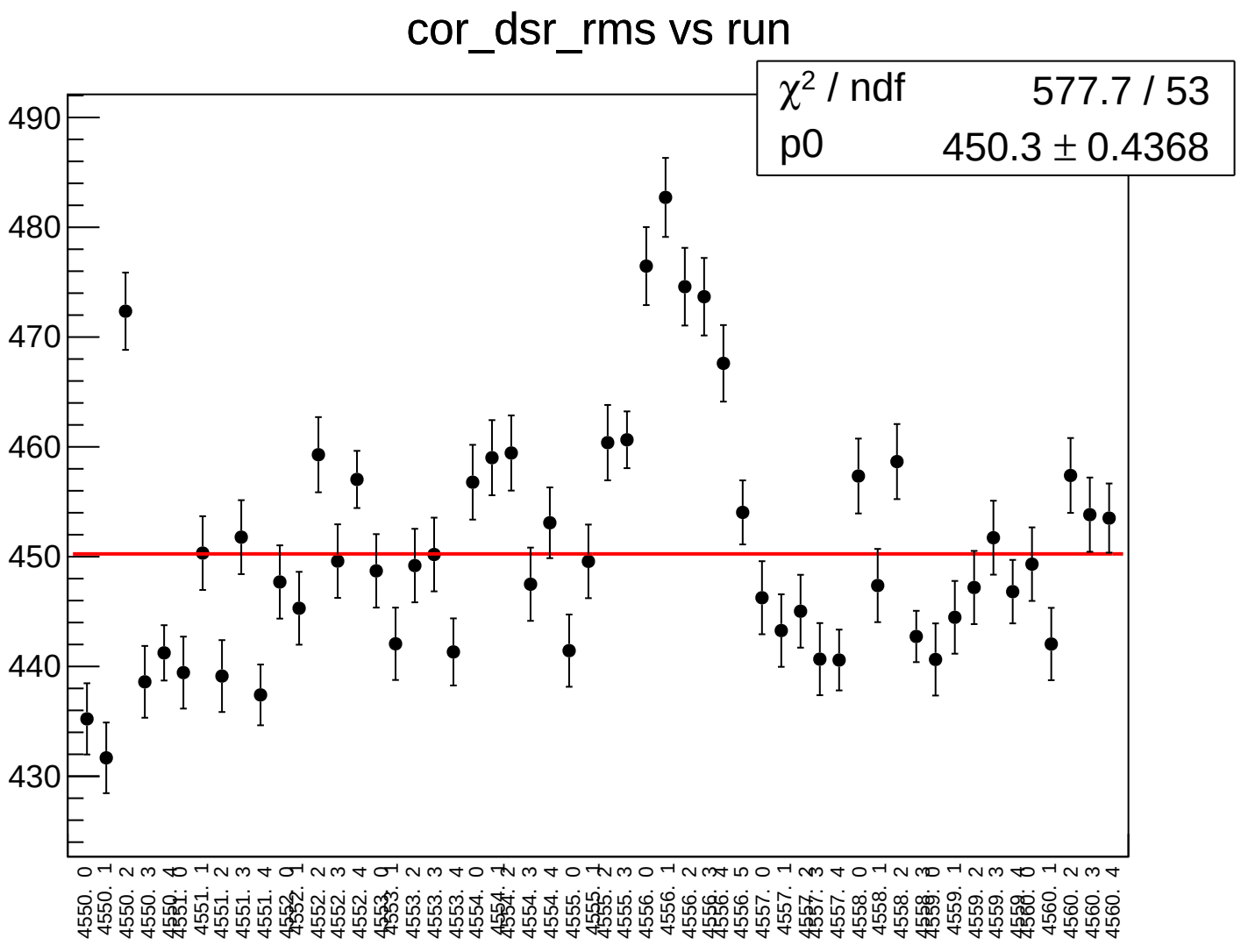
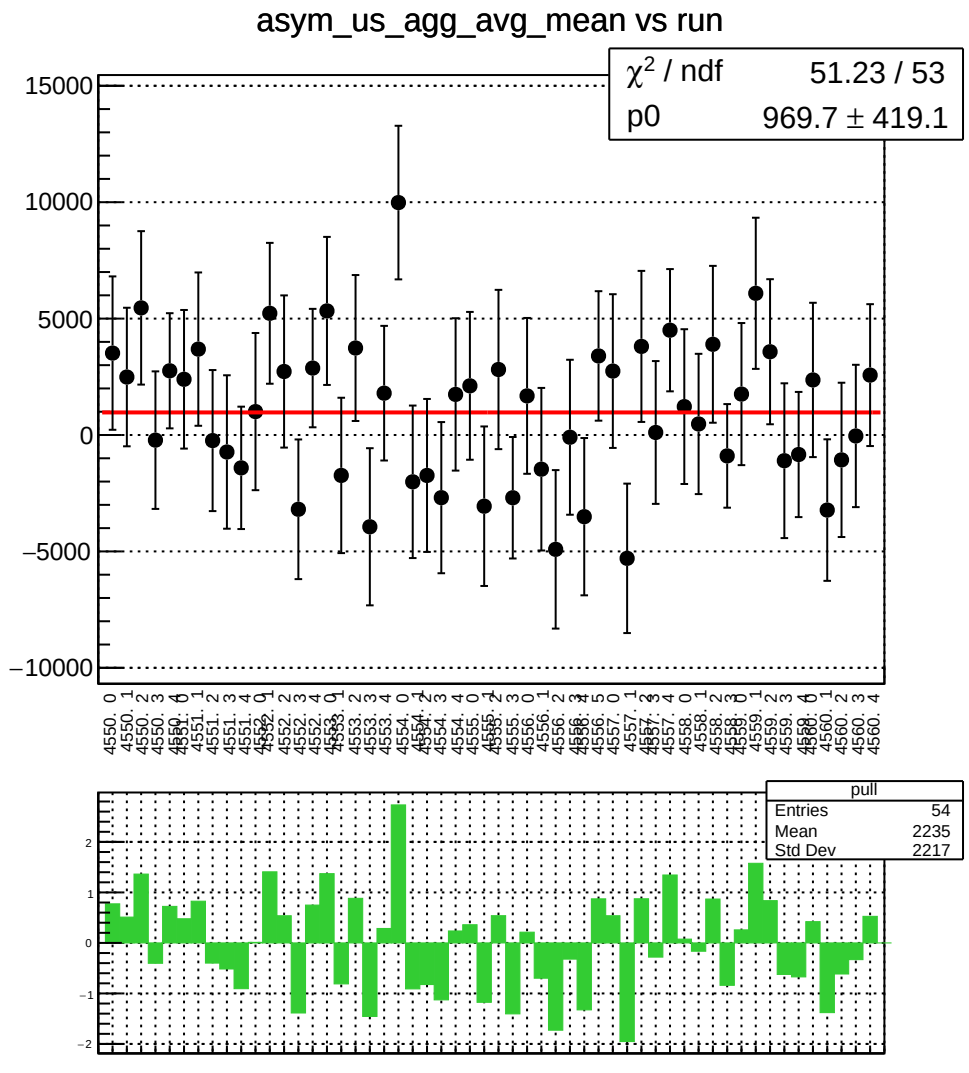
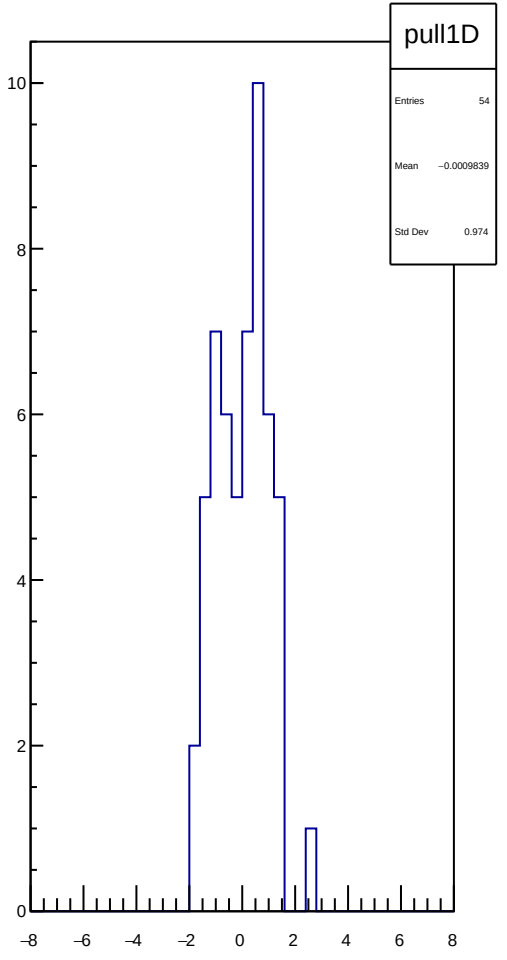
4560. 3
4560. 4

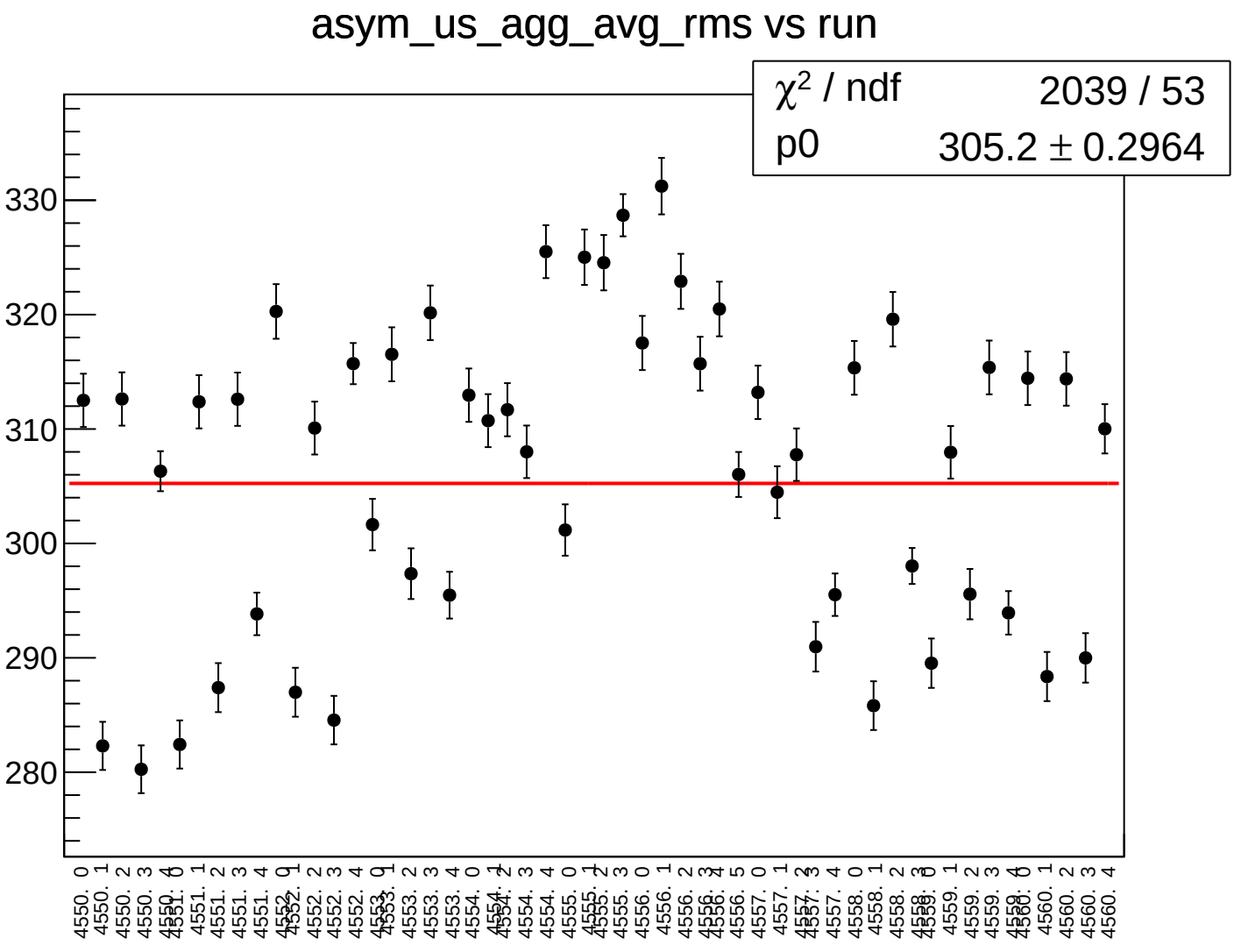

cor_dsr_mean vs run
χ² / ndf 70.46 / 53
p0 1181 ± 617.8
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 529.8
Std Dev 496.8
2
1
0
−1
−2

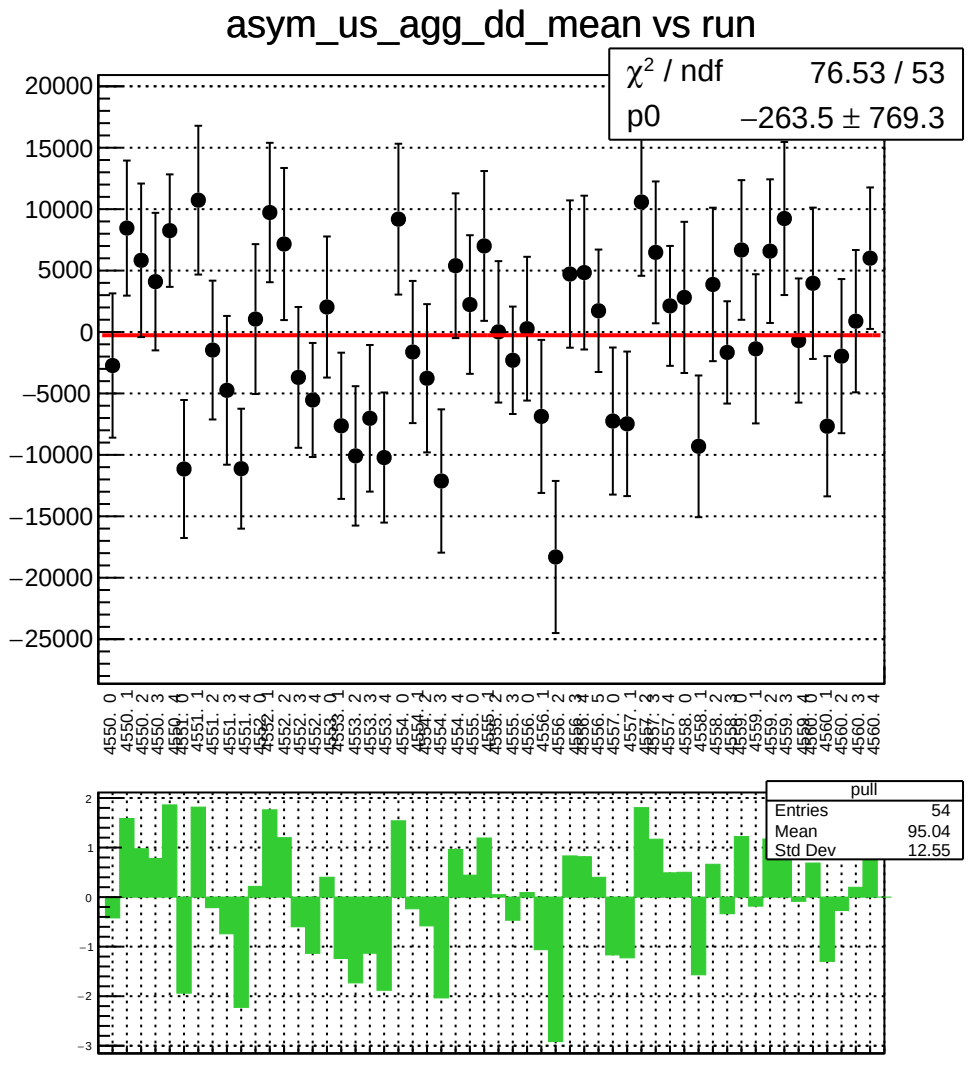

pull1D
Entries 54
Mean −0.005194
Std Dev 1.142
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

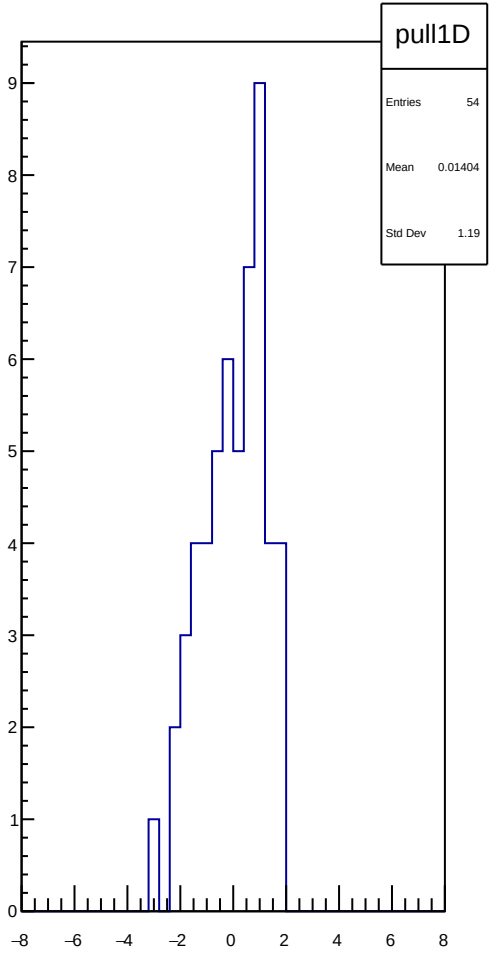

cor_dsr_rms vs run
χ² / ndf 577.7 / 53
p0 450.3 ± 0.4368
490
480
470
460
450
440
430
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

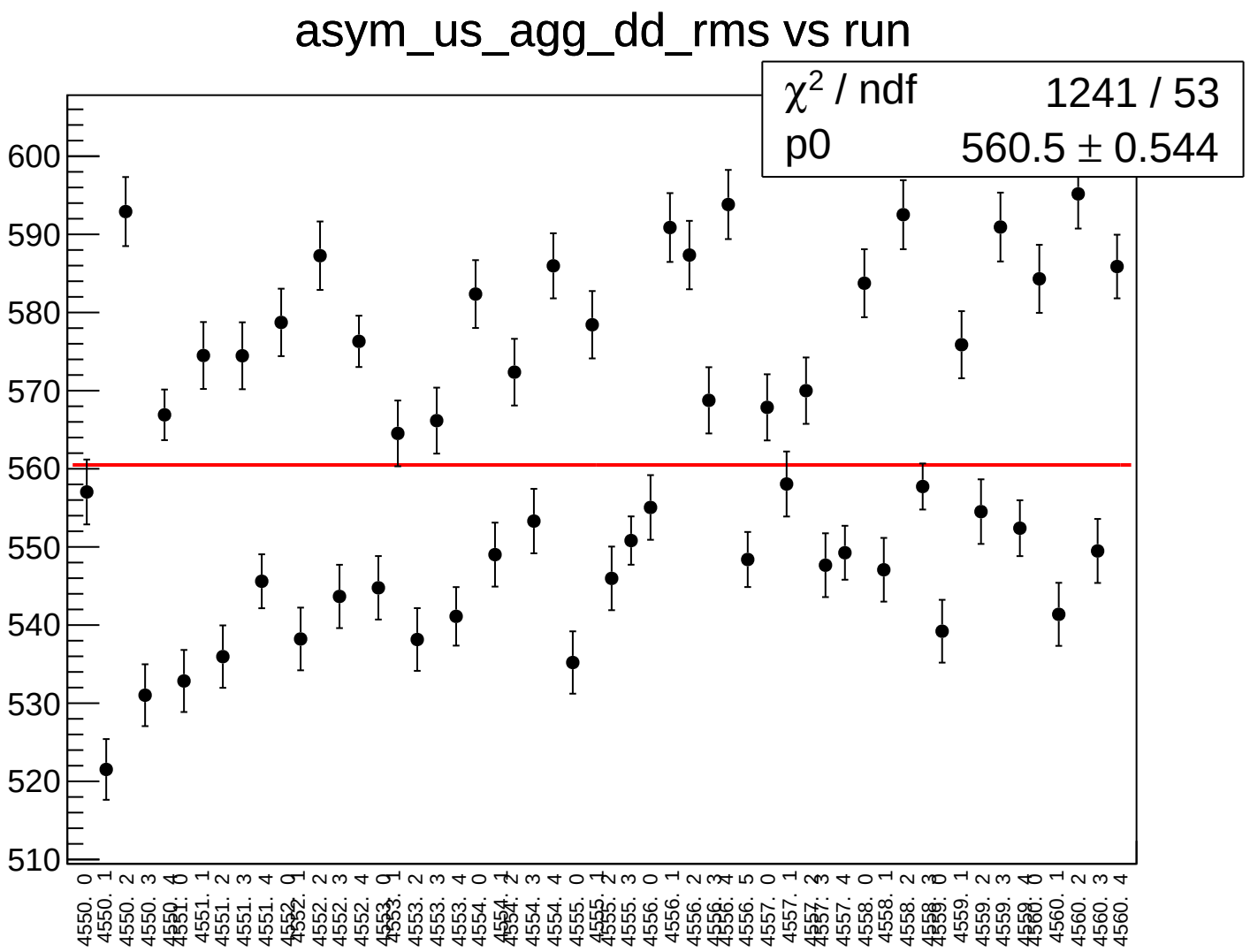

asym_us_agg_avg_mean vs run
χ² / ndf 51.23 / 53
p0 969.7 ± 419.1
pull
Entries 54
Mean 2235
Std Dev 2217

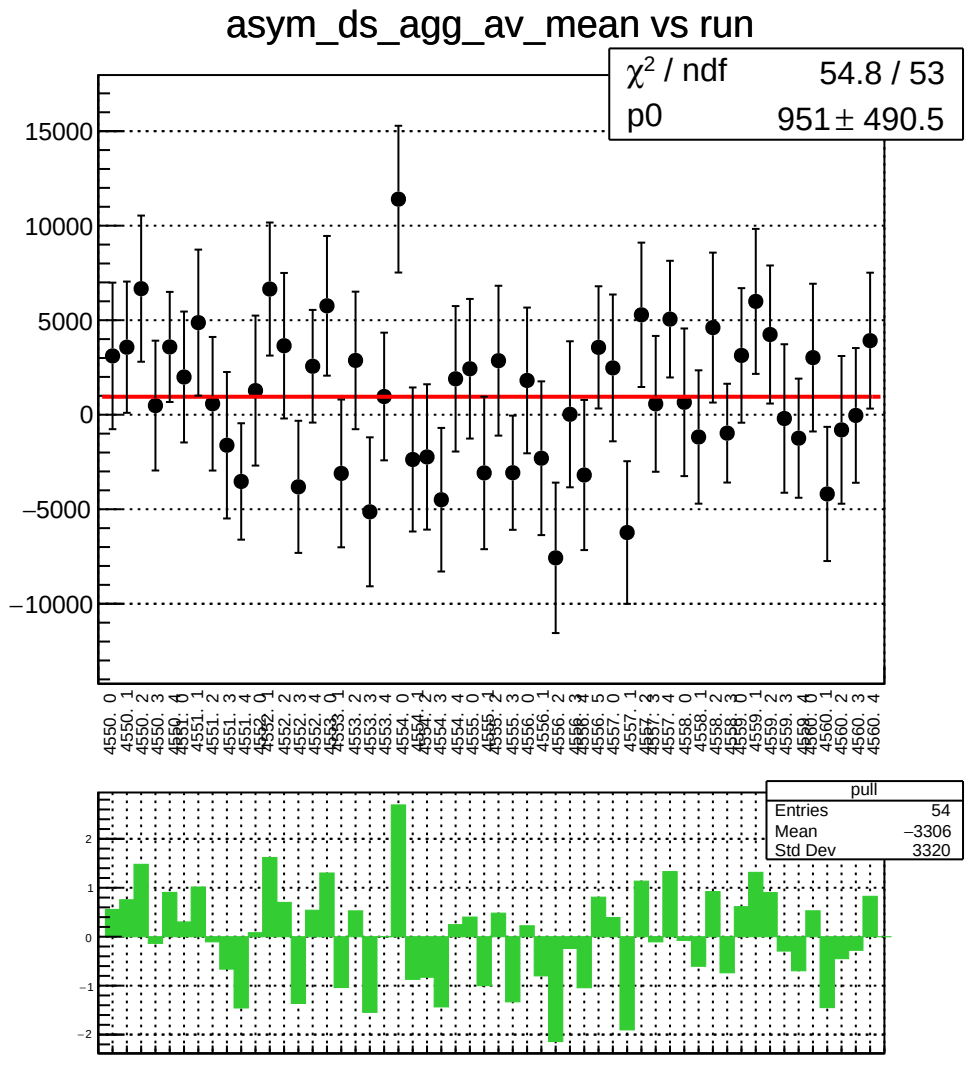

pull1D
Entries 54
Mean −0.0009839
Std Dev 0.974

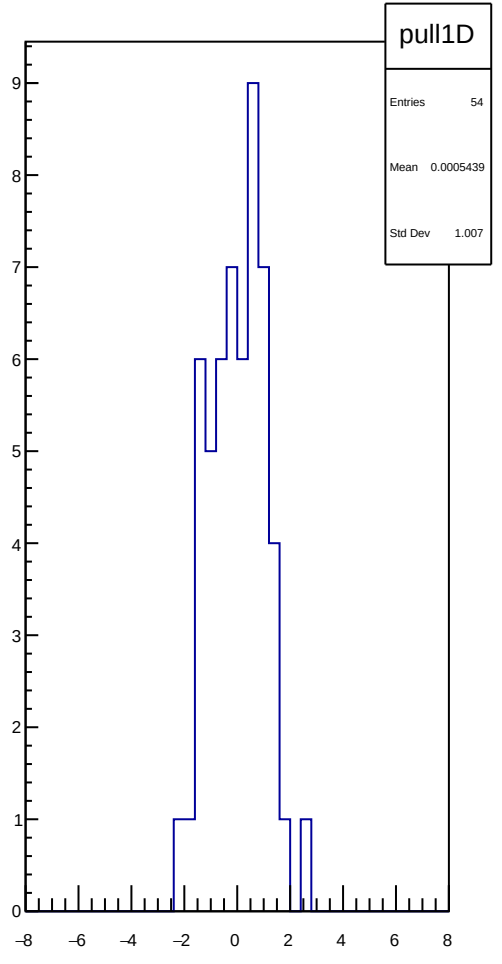

asym_us_agg_avg_rms vs run
χ^2 / ndf 2039 / 53
p0 305.2 ± 0.2964
330
320
310
300
290
280
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

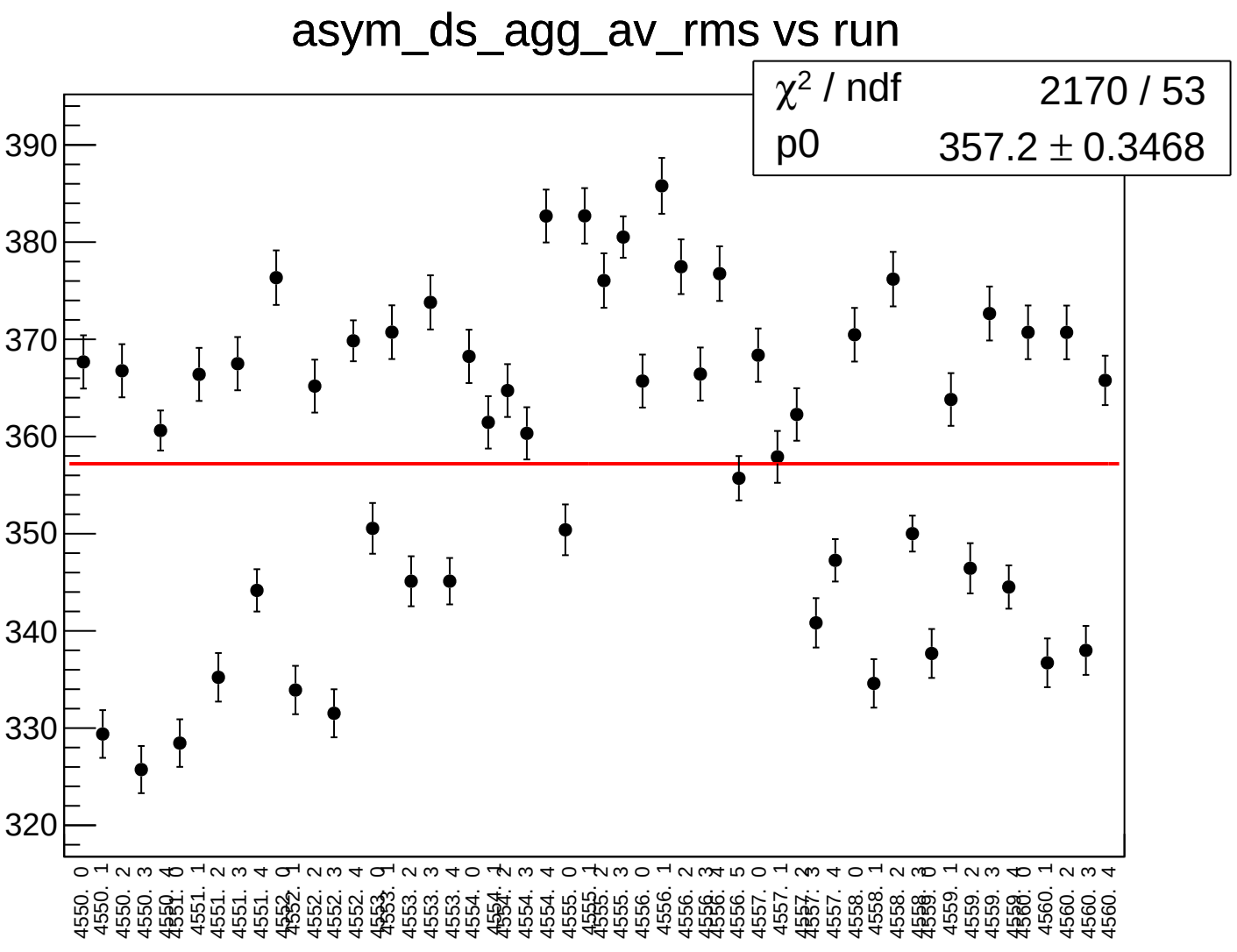

asym_us_agg_dd_mean vs run
χ² / ndf 76.53 / 53
p0 −263.5 ± 769.3
pull
Entries 54
Mean 95.04
Std Dev 12.55

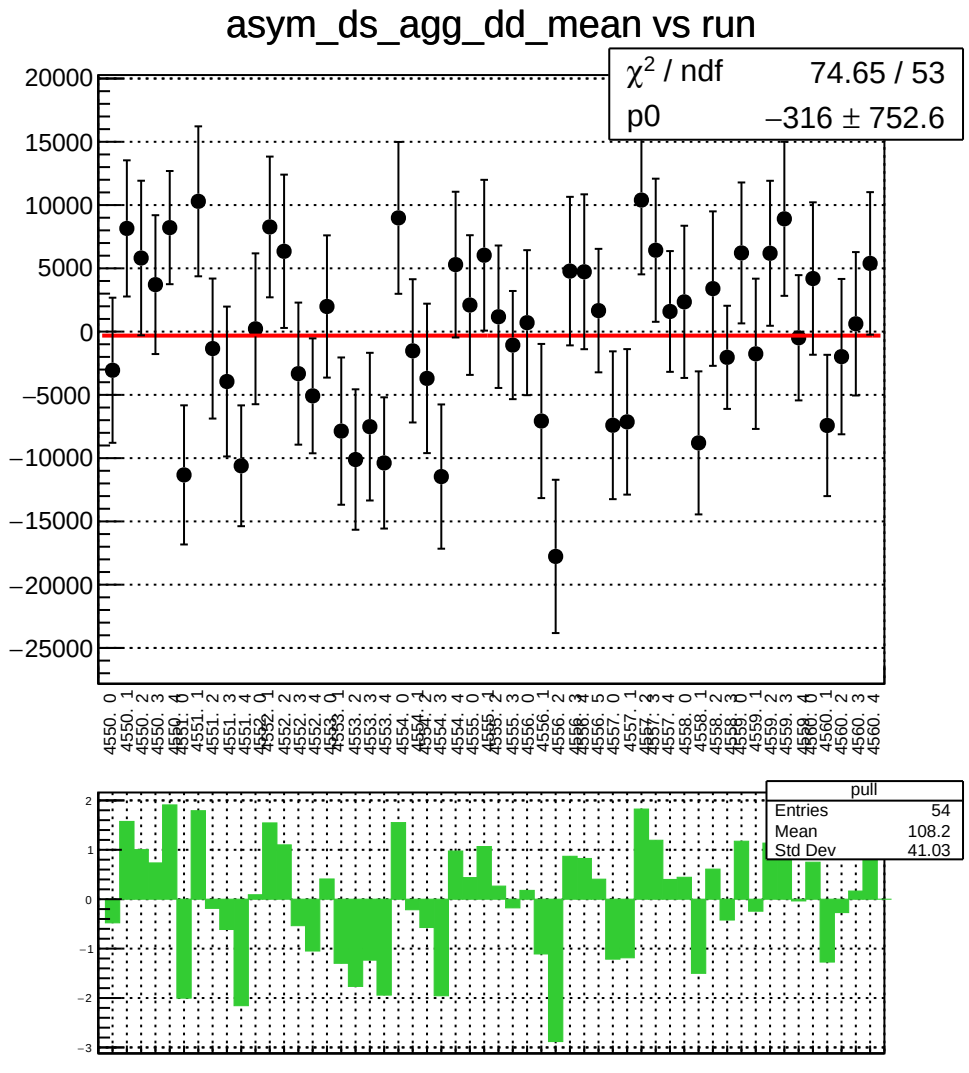

pull1D
Entries 54
Mean 0.01404
Std Dev 1.19

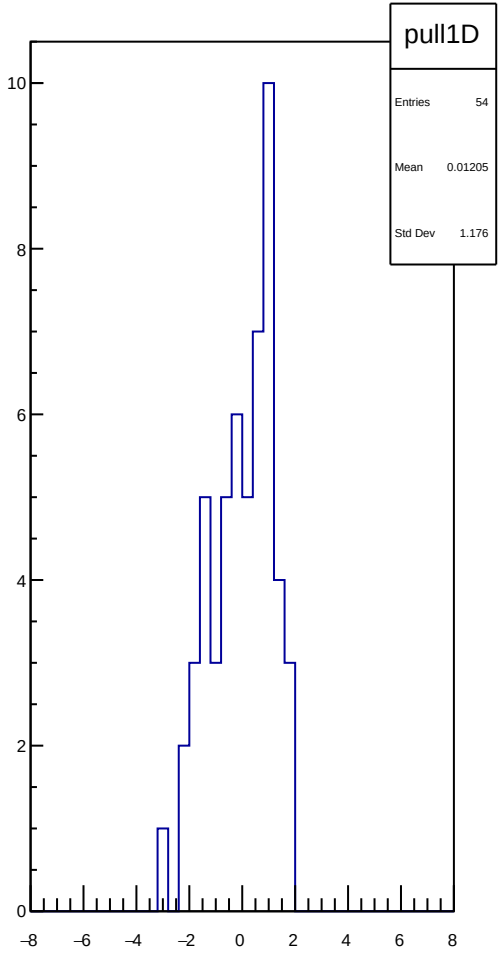

asym_us_agg_dd_rms vs run
χ^2 / ndf 1241 / 53
p0 560.5 ± 0.544
600
590
580
570
560
550
540
530
520
510
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

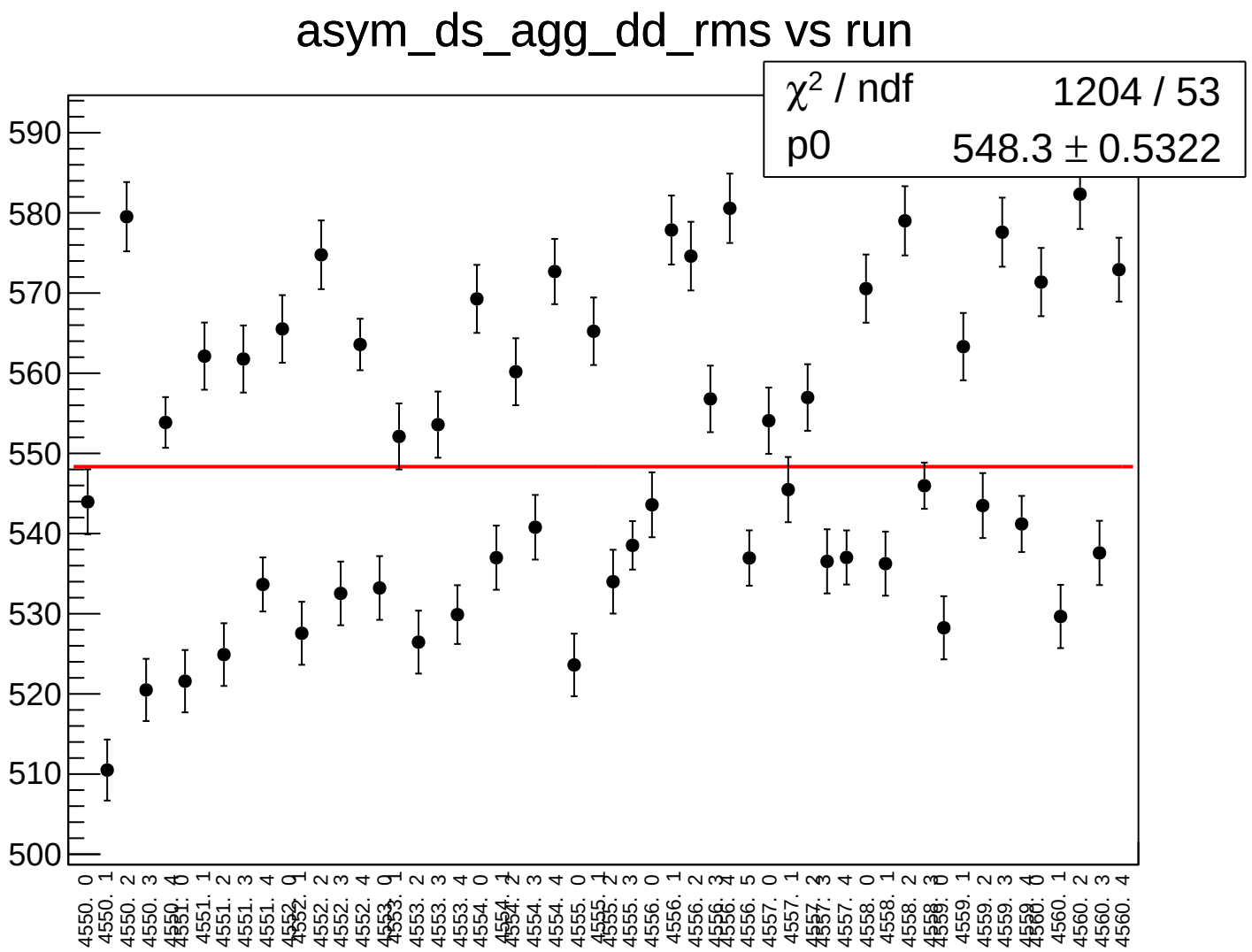

asym_ds_agg_av_mean vs run
χ² / ndf 54.8 / 53
p0 951 ± 490.5
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −3306
Std Dev 3320
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.0005439
Std Dev 1.007
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_agg_av_rms vs run
χ² / ndf 2170 / 53
p0 357.2 ± 0.3468
390
380
370
360
350
340
330
320
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_ds_agg_dd_mean vs run
χ² / ndf 74.65 / 53
p0 −316 ± 752.6
pull
Entries 54
Mean 108.2
Std Dev 41.03


pull1D
Entries 54
Mean 0.01205
Std Dev 1.176


asym_ds_agg_dd_rms vs run
χ² / ndf 1204 / 53
p0 548.3 ± 0.5322
590
580
570
560
550
540
530
520
510
500
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
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4556. 2
4556. 3
4556. 4
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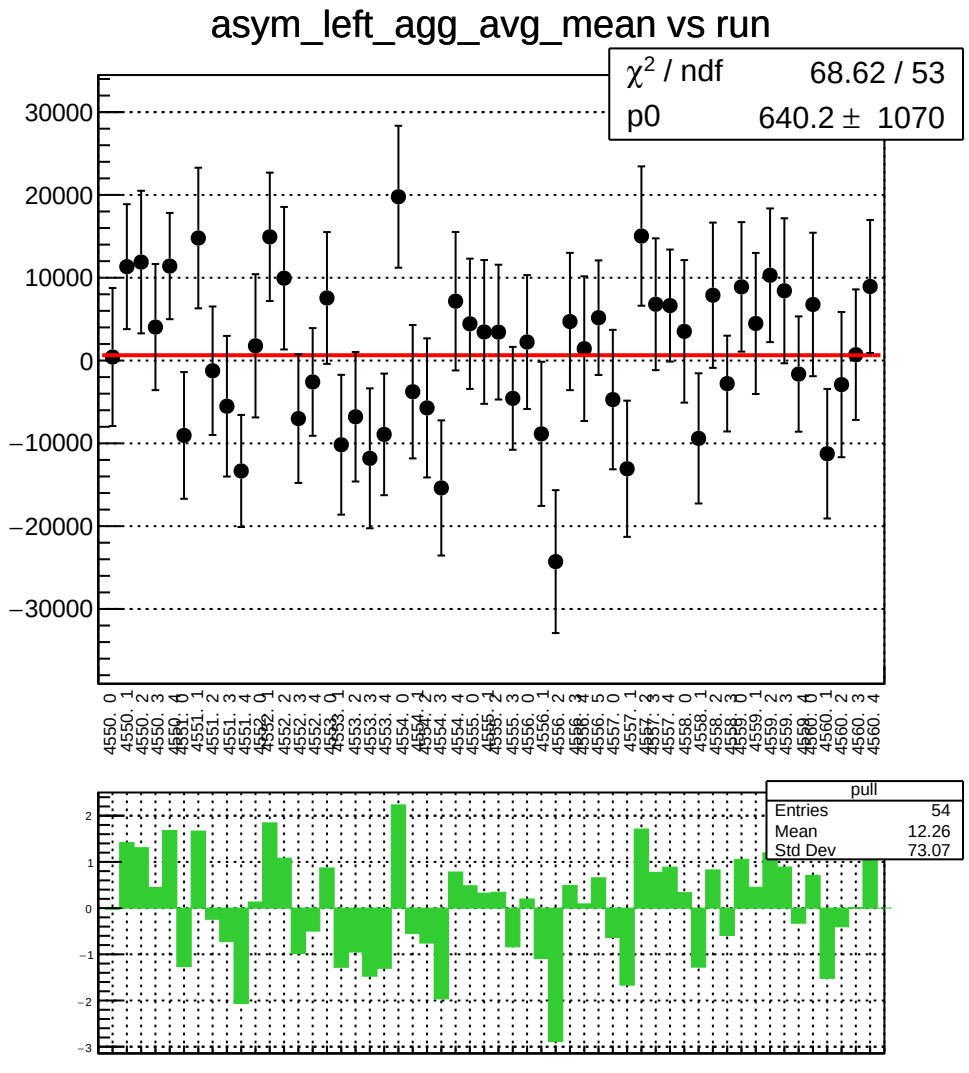
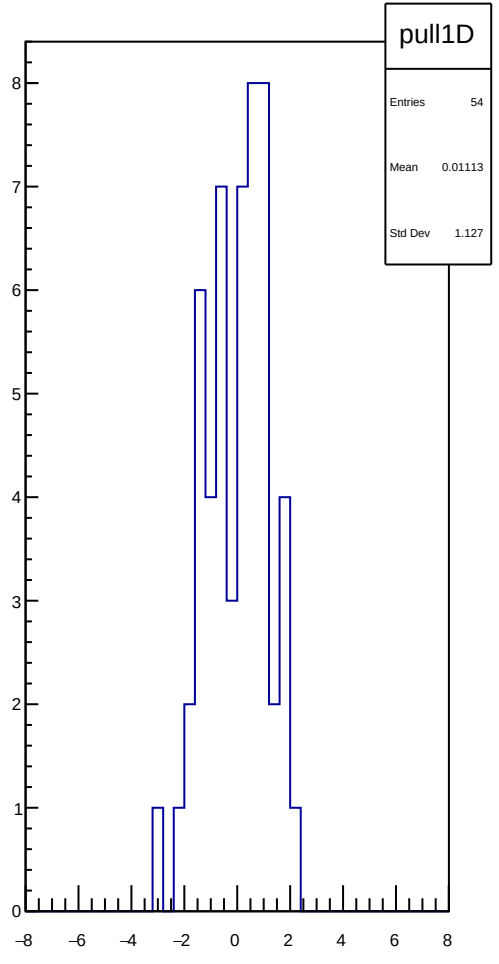
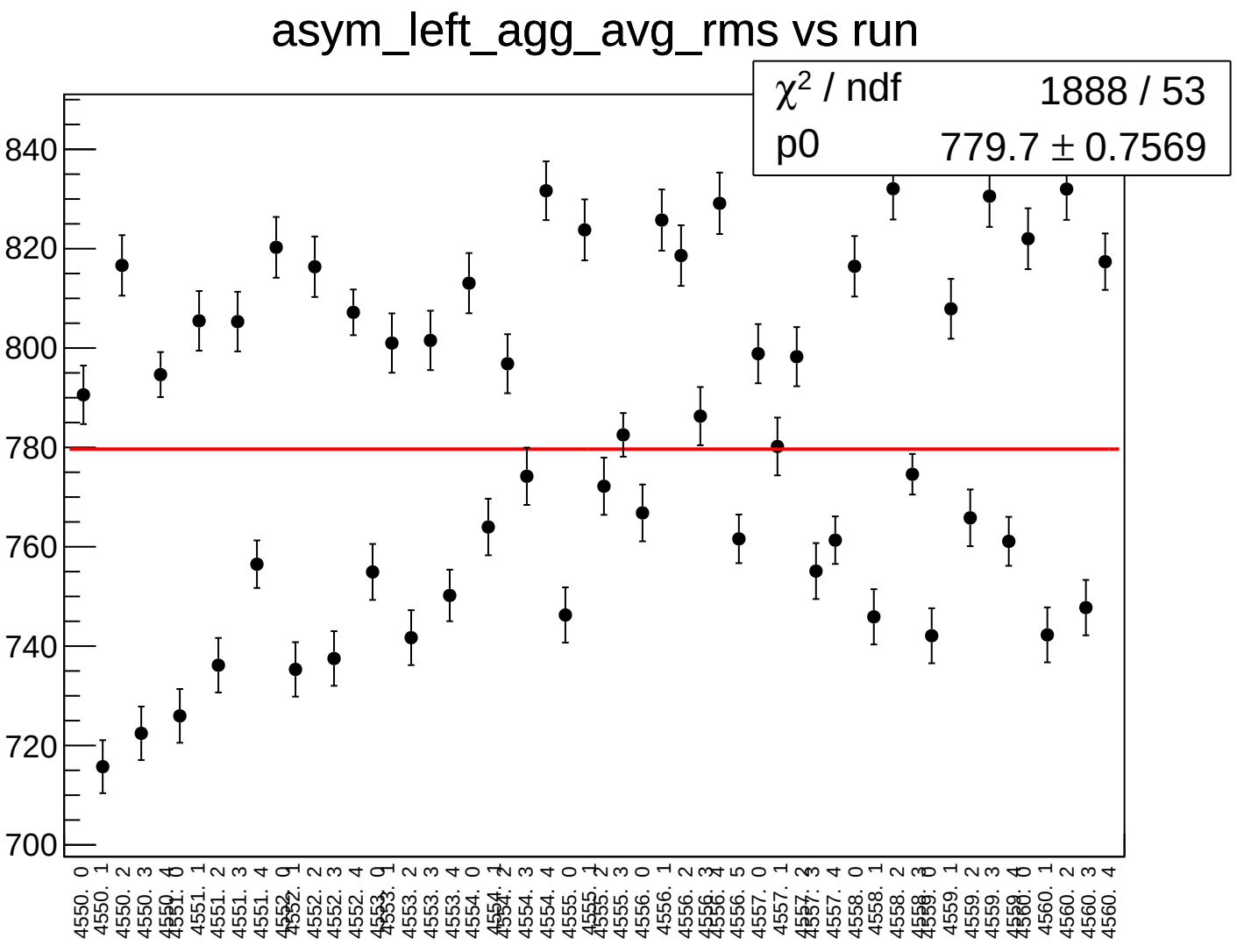
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_left_agg_avg_mean vs run
χ² / ndf 68.62 / 53
p0 640.2 ± 1070
pull
Entries 54
Mean 12.26
Std Dev 73.07


pull1D
Entries 54
Mean 0.01113
Std Dev 1.127


asym_left_agg_avg_rms vs run
χ² / ndf 1888 / 53
p0 779.7 ± 0.7569
840
820
800
780
760
740
720
700
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
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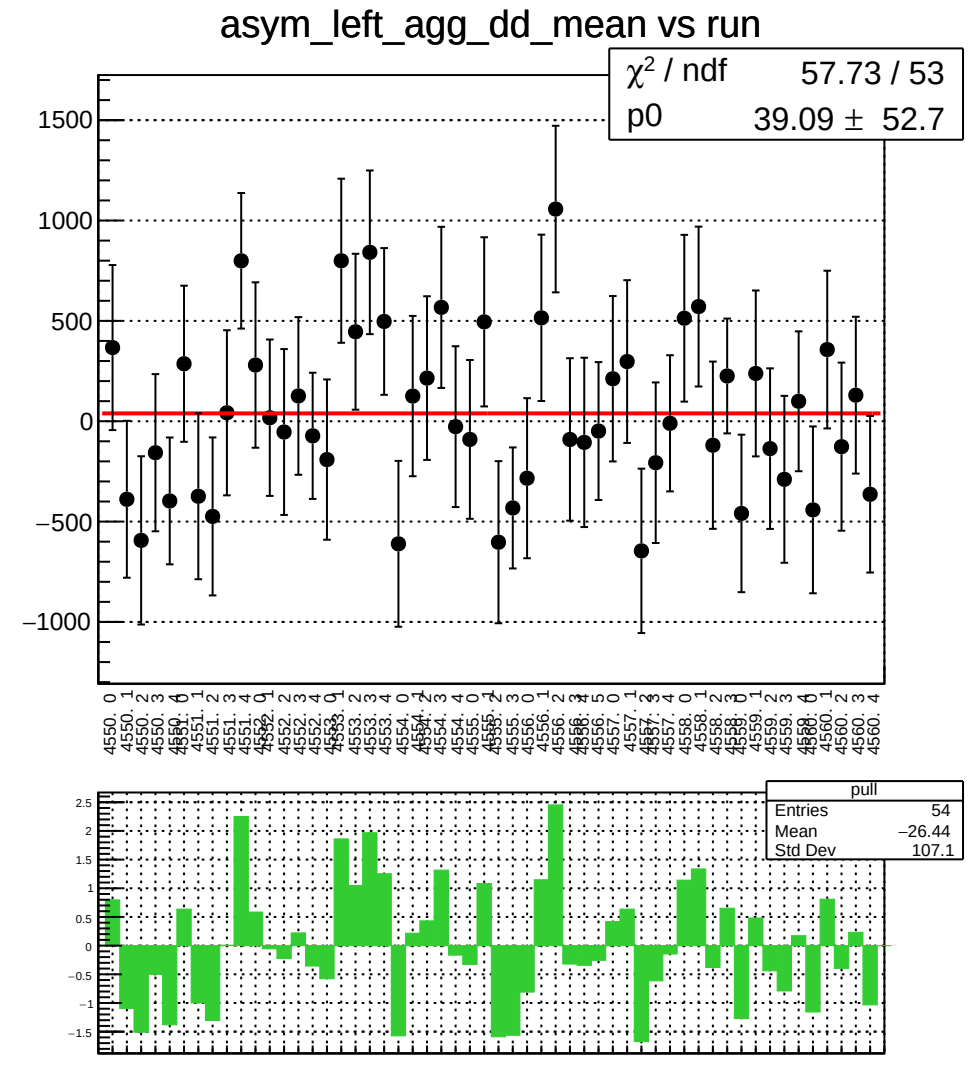
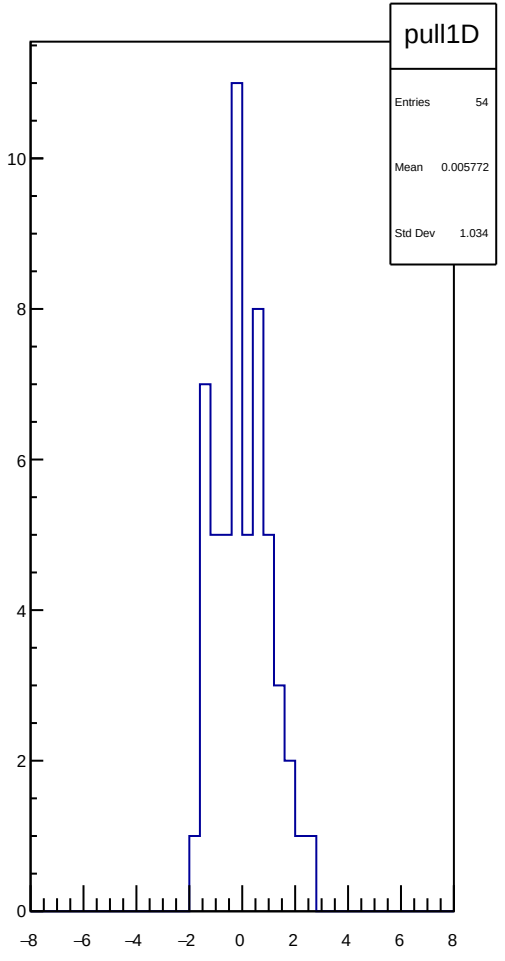
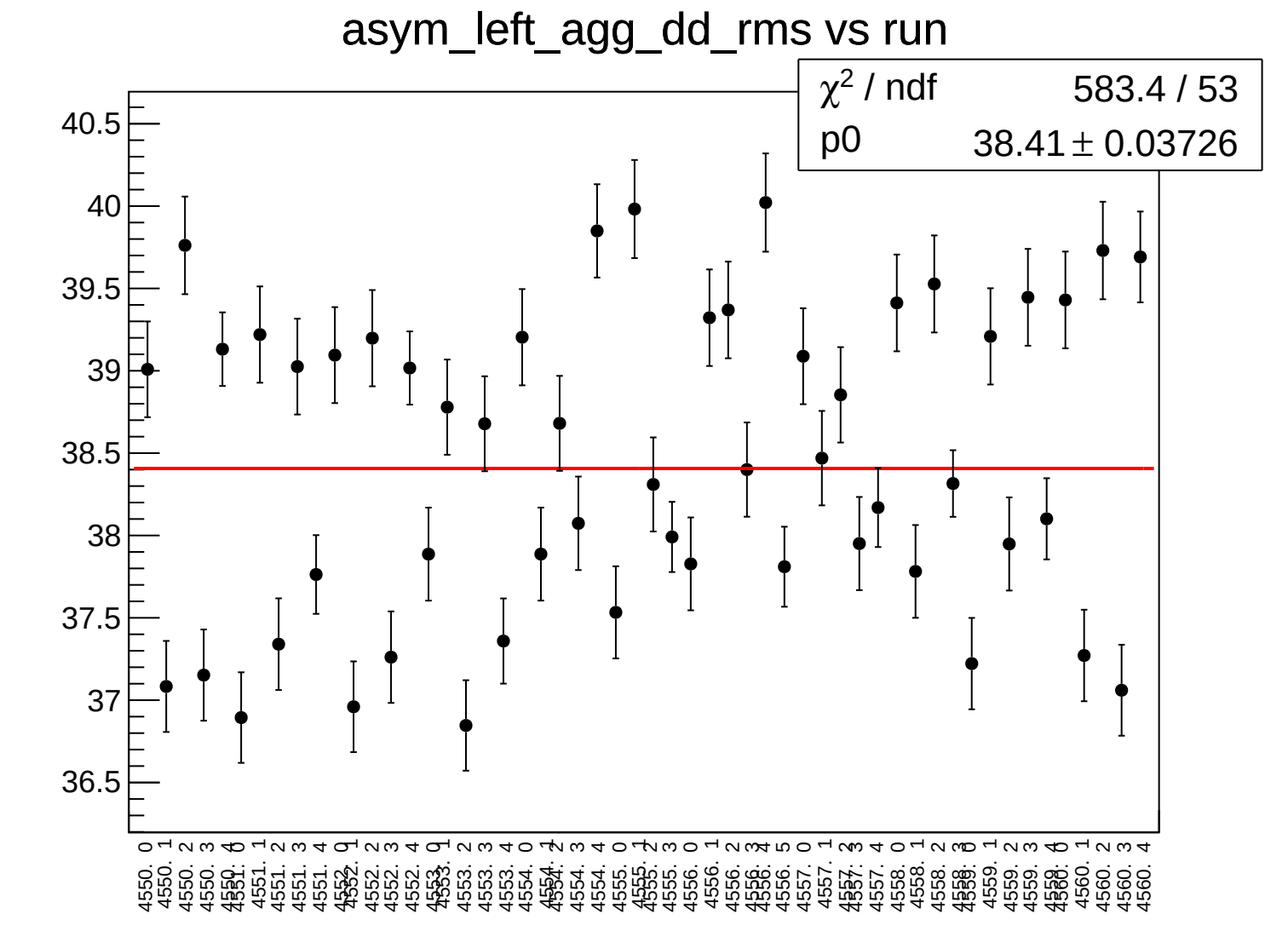
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_left_agg_dd_mean vs run
χ² / ndf 57.73 / 53
p0 39.09 ± 52.7
pull
Entries 54
Mean −26.44
Std Dev 107.1


pull1D
Entries 54
Mean 0.005772
Std Dev 1.034


asym_left_agg_dd_rms vs run
χ² / ndf 583.4 / 53
p0 38.41 ± 0.03726
40.5
40
39.5
39
38.5
38
37.5
37
36.5
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
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4554. 2
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4555. 2
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4556. 0
4556. 1
4556. 2
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4556. 4
4556. 5
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4557. 1
4557. 2
4557. 3
4557. 4
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4558. 1
4558. 2
4558. 3
4558. 4
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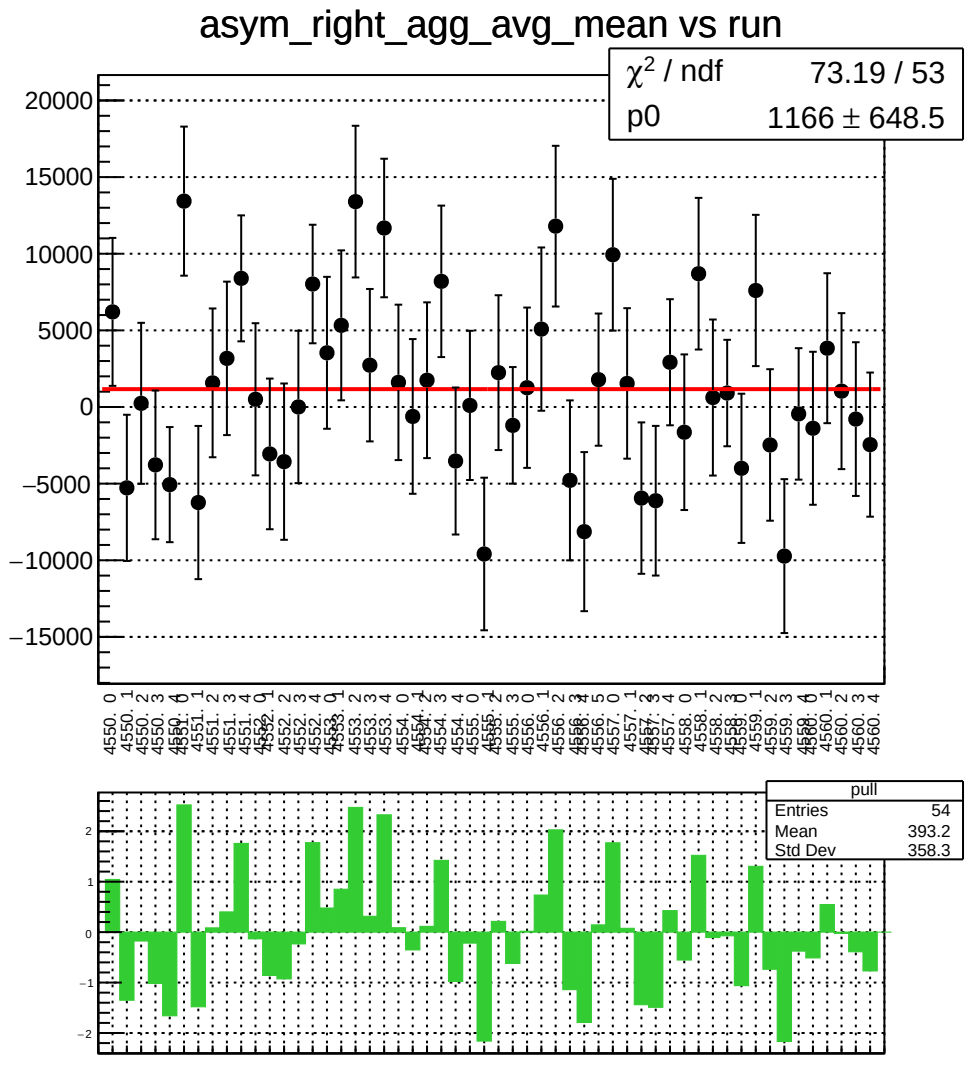
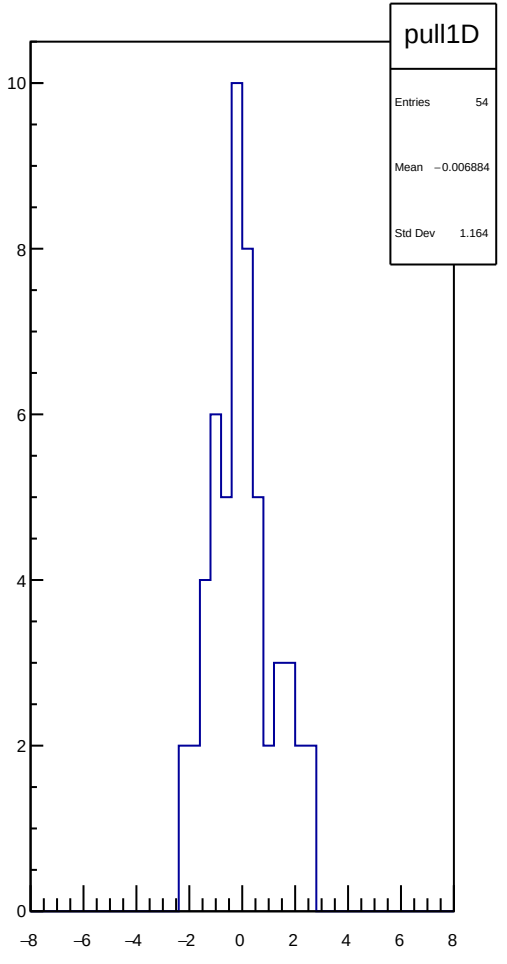
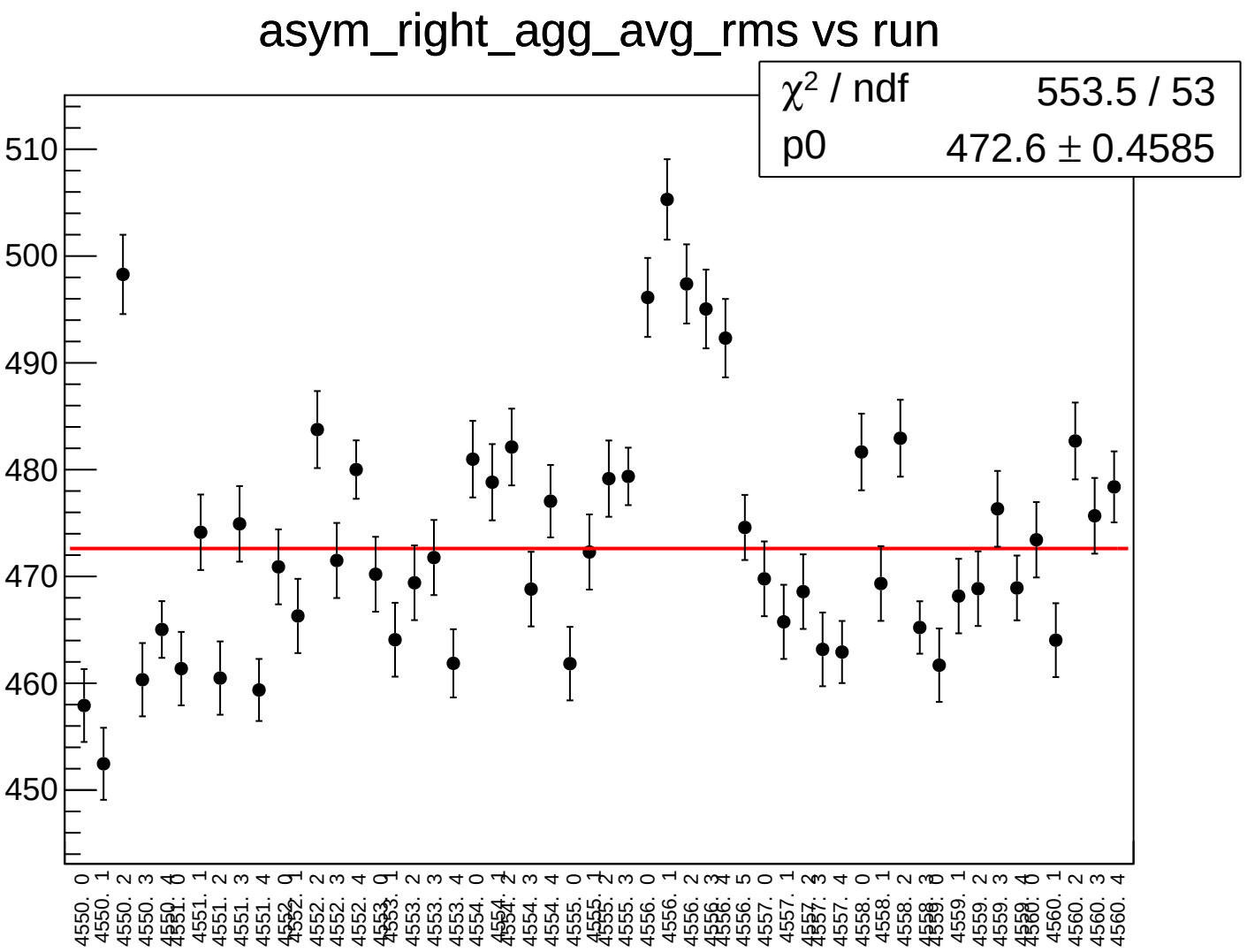
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_right_agg_avg_mean vs run
χ² / ndf 73.19 / 53
p0 1166 ± 648.5
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 393.2
Std Dev 358.3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.006884
Std Dev 1.164
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_right_agg_avg_rms vs run
χ² / ndf 553.5 / 53
p0 472.6 ± 0.4585
510
500
490
480
470
460
450
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
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4555. 1
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4557. 0
4557. 1
4557. 2
4557. 3
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4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
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4559. 2
4559. 3
4559. 4
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4560. 1
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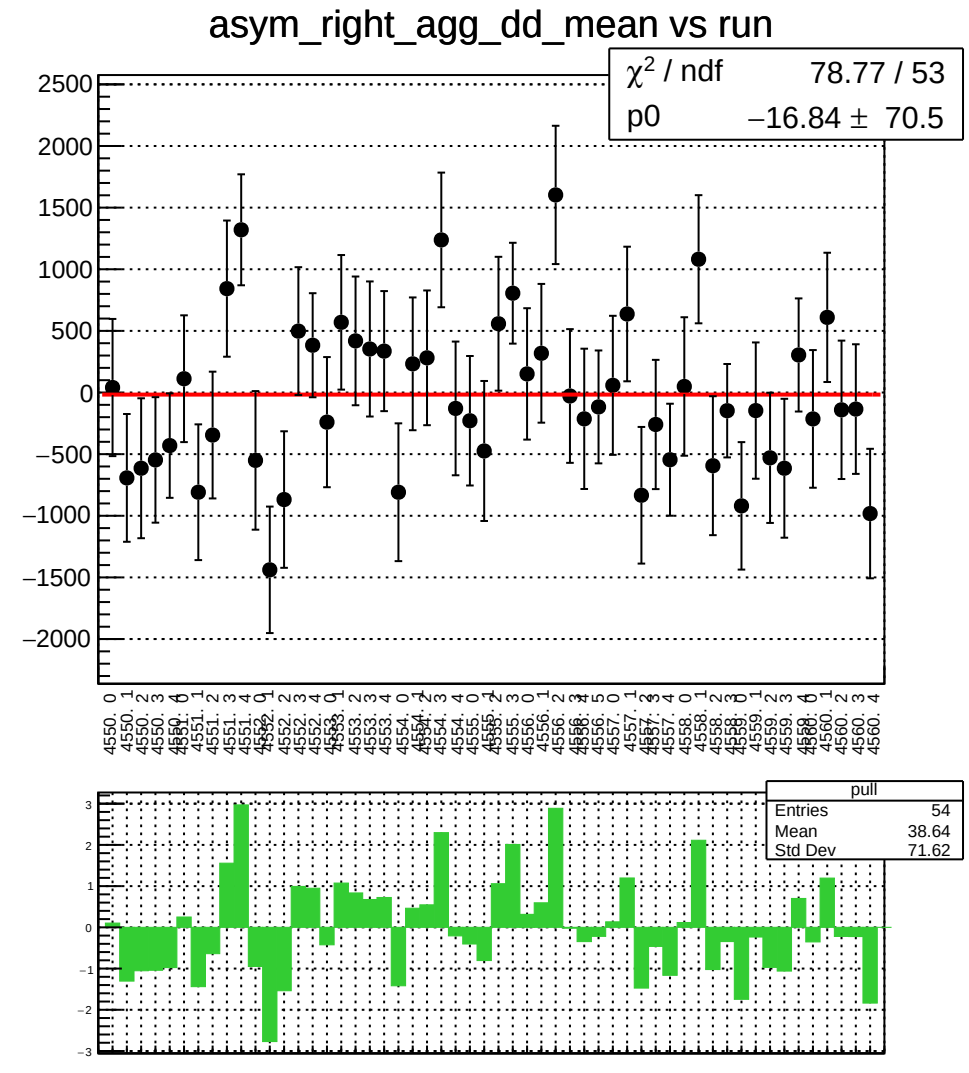
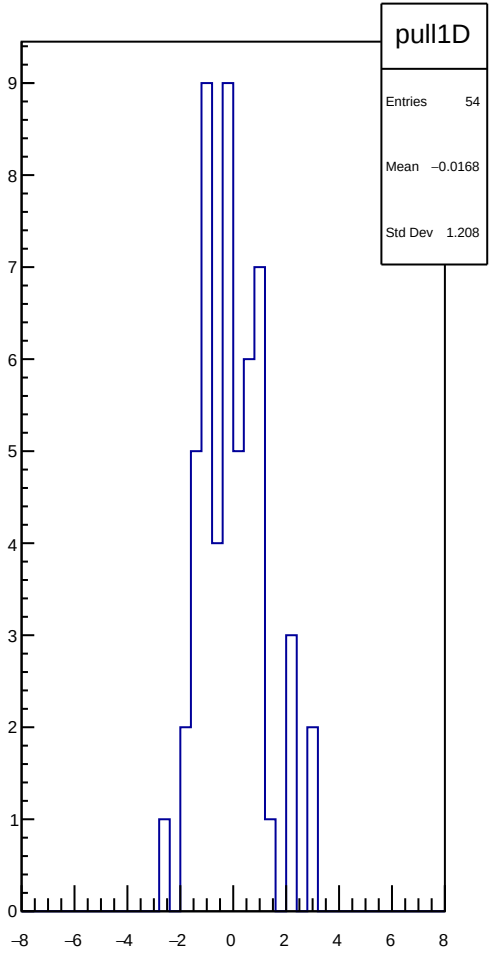
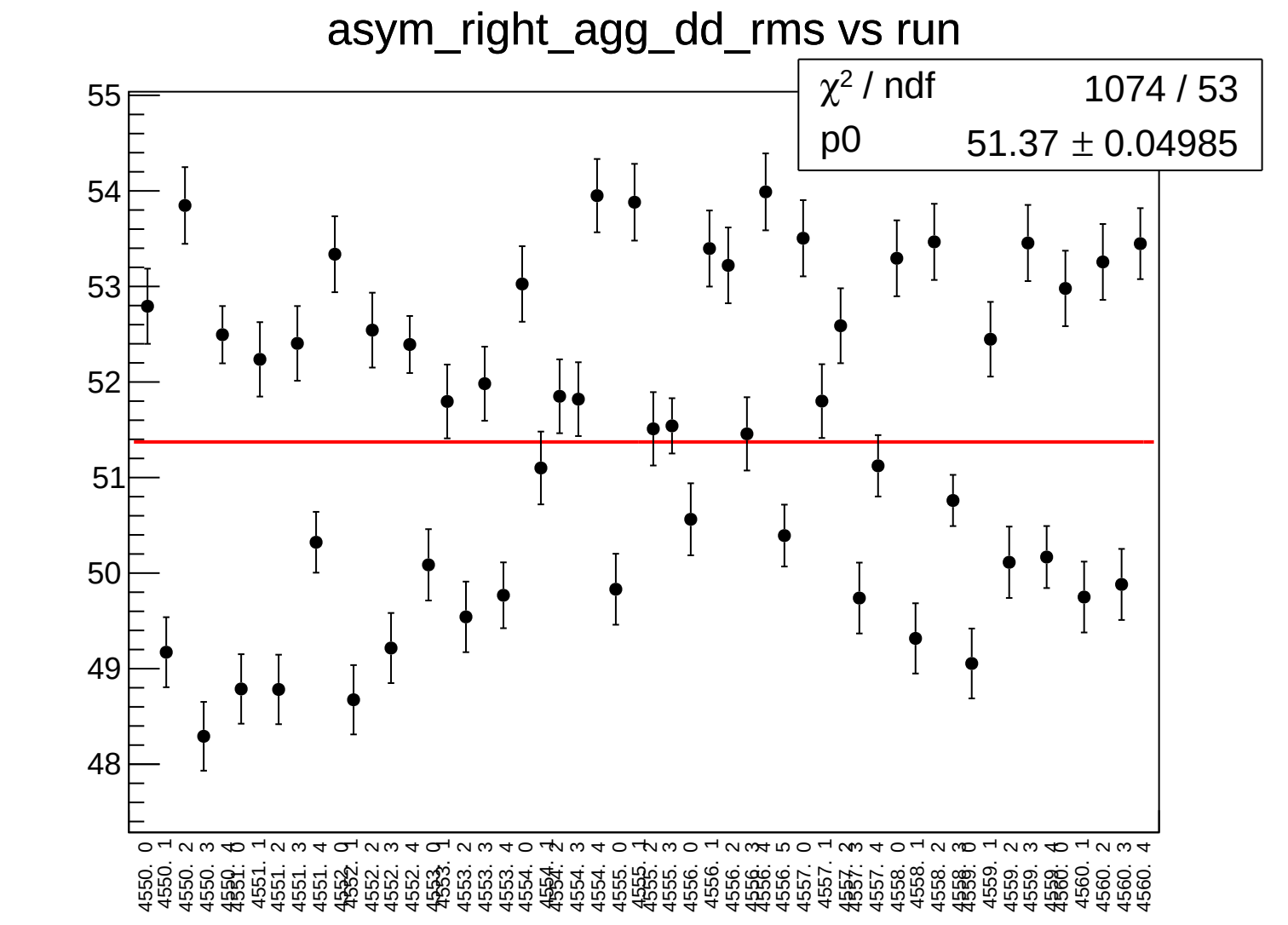
4560. 4


asym_right_agg_dd_mean vs run
χ² / ndf 78.77 / 53
p0 −16.84 ± 70.5
pull
Entries 54
Mean 38.64
Std Dev 71.62


pull1D
Entries 54
Mean −0.0168
Std Dev 1.208


asym_right_agg_dd_rms vs run
χ² / ndf 1074 / 53
p0 51.37 ± 0.04985
55
54
53
52
51
50
49
48
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
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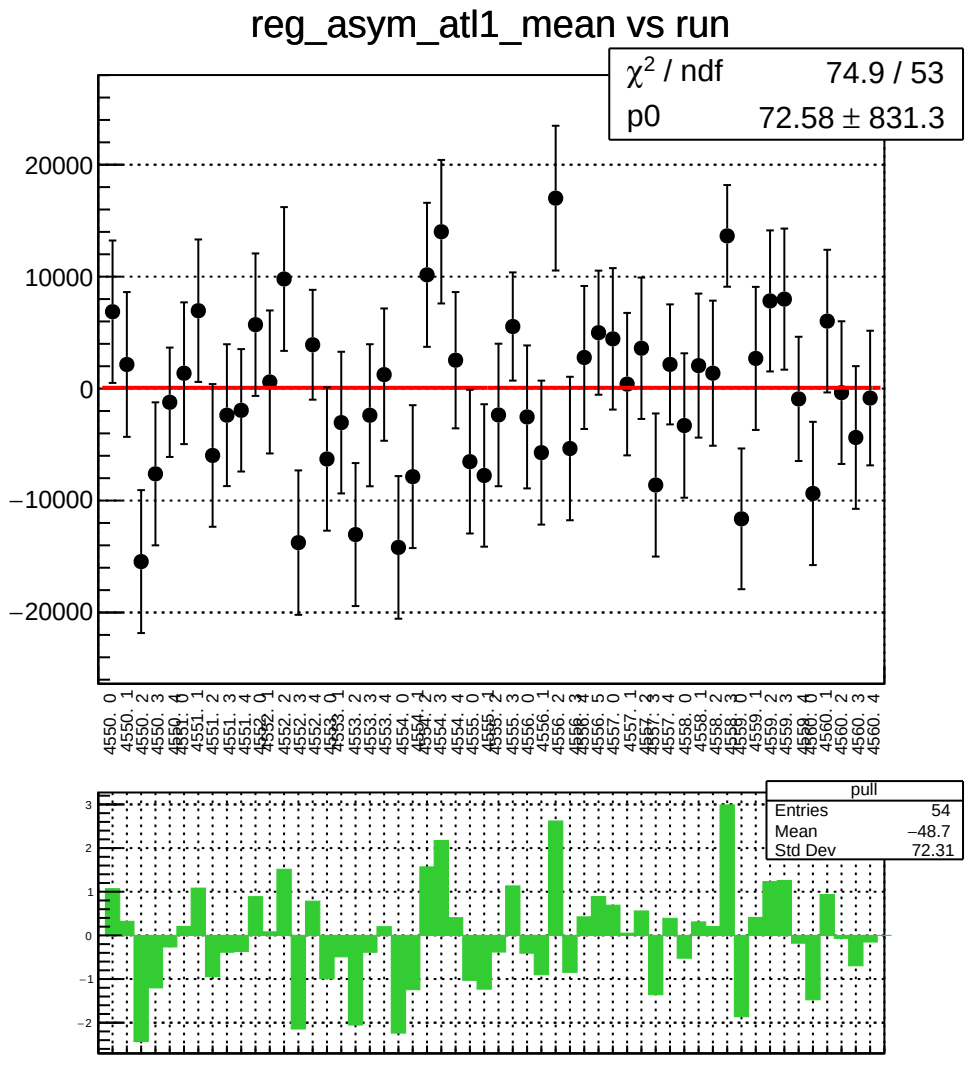
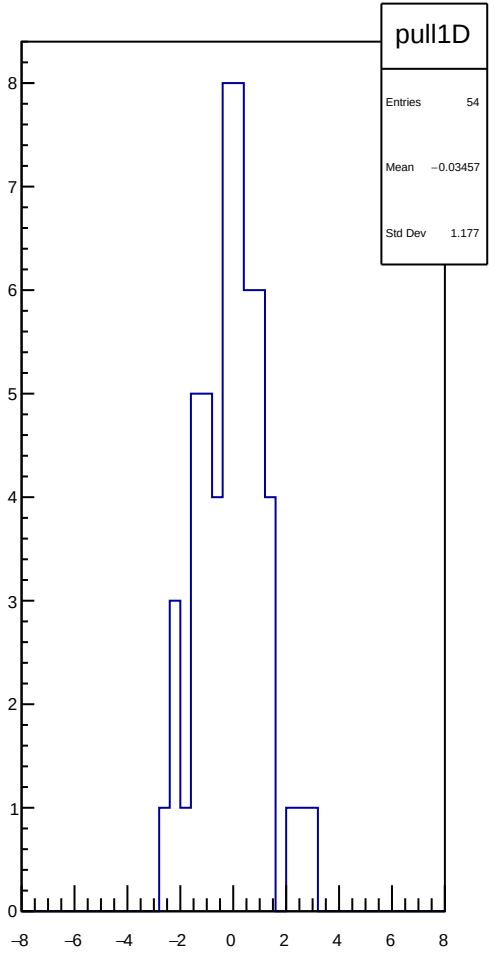
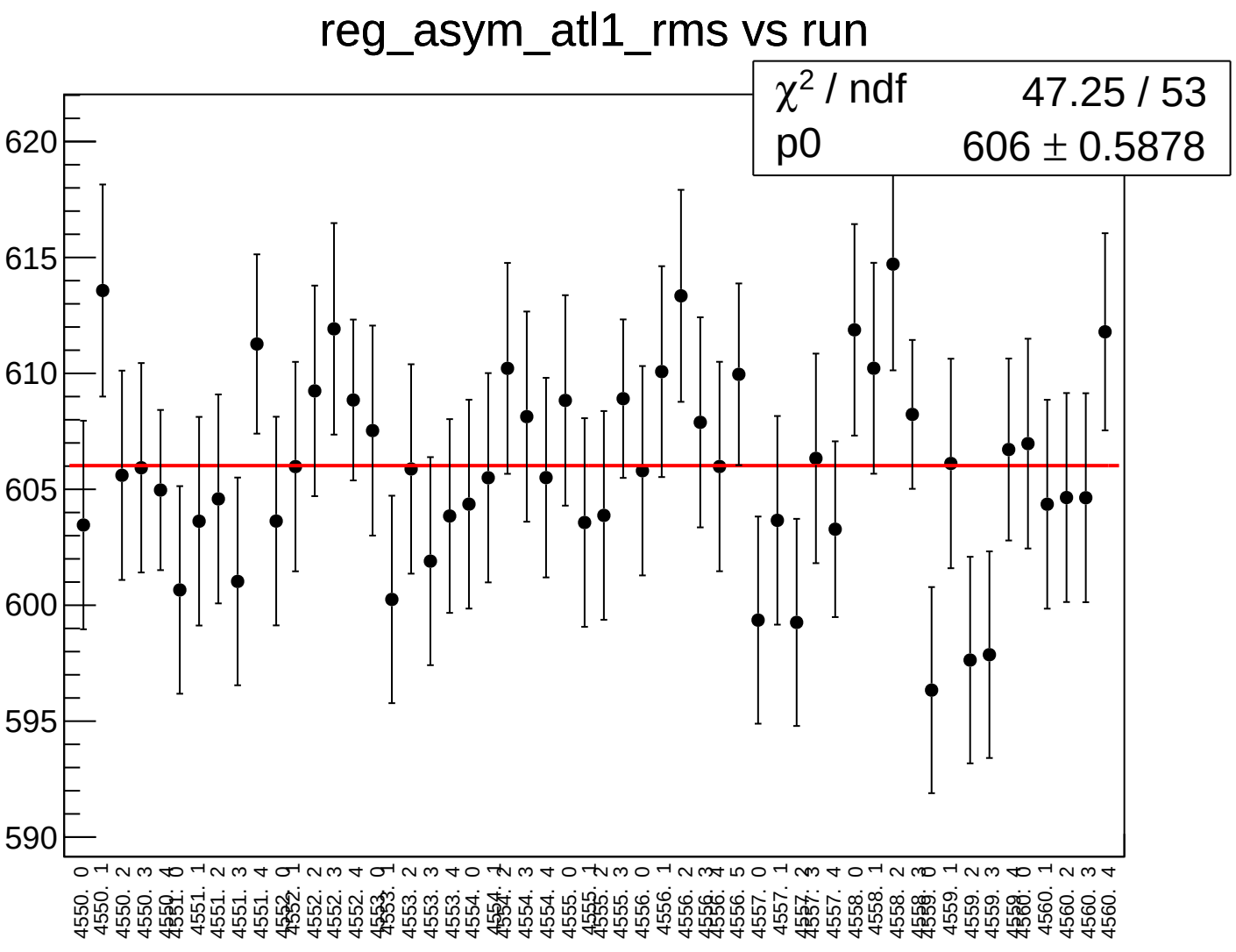
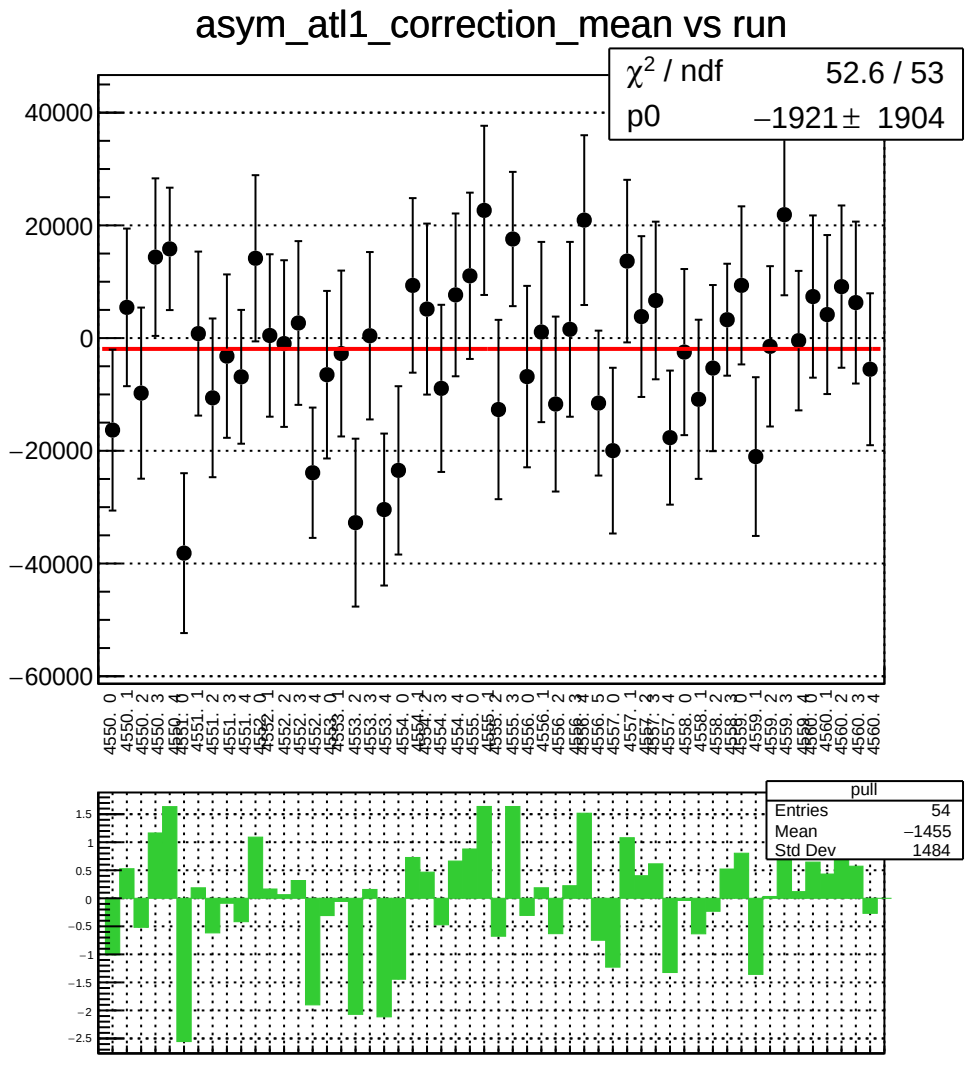
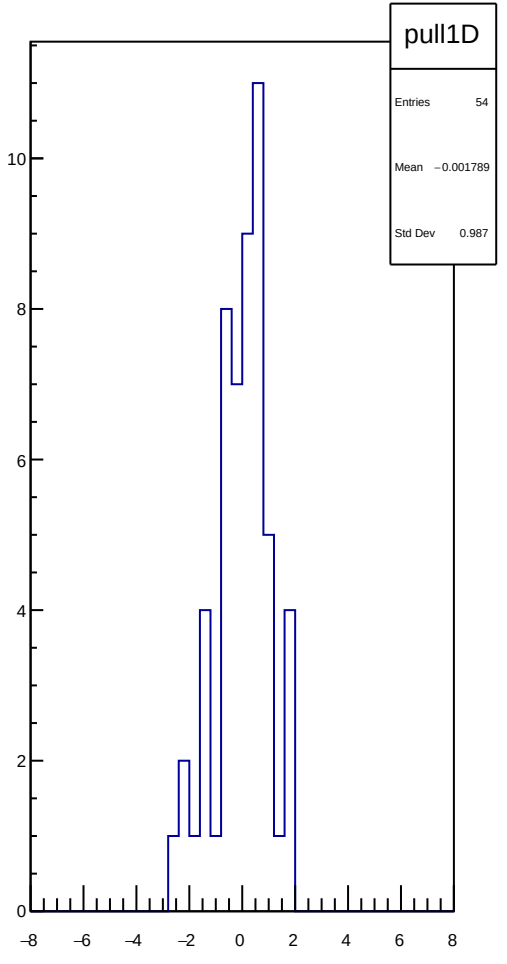
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

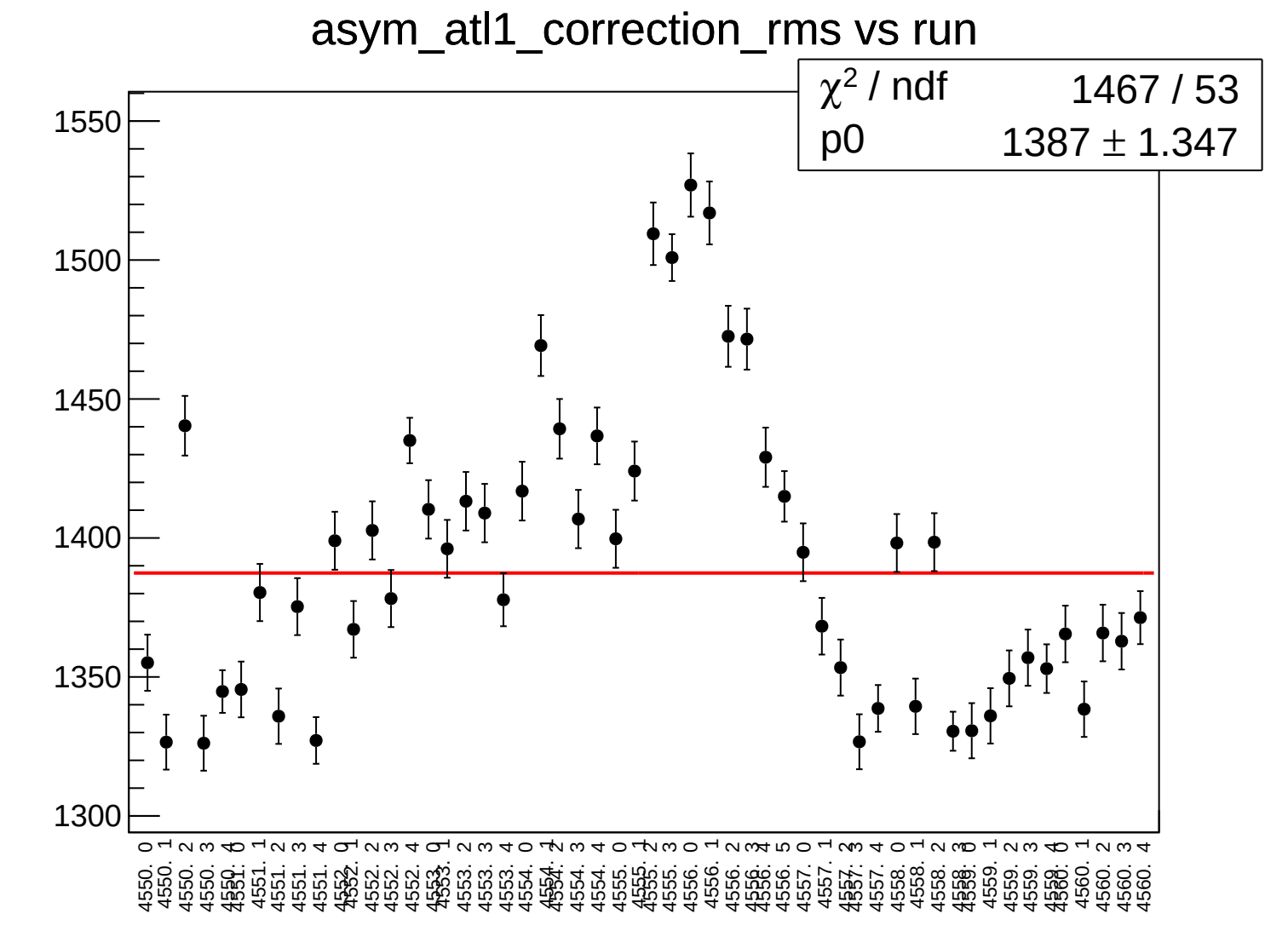

reg_asym_atl1_mean vs run
χ² / ndf 74.9 / 53
p0 72.58 ± 831.3
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −48.7
Std Dev 72.31
3
2
1
0
−1
−2

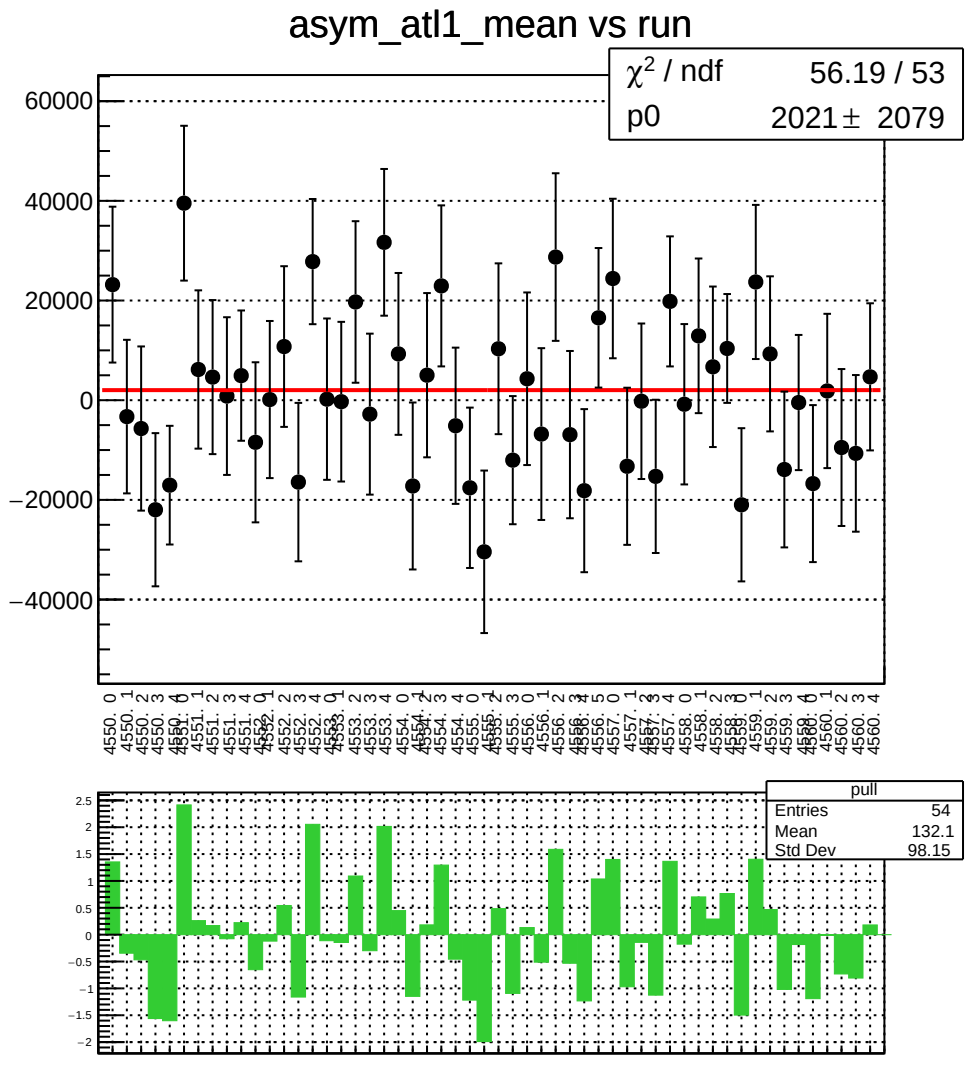

pull1D
Entries 54
Mean −0.03457
Std Dev 1.177
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

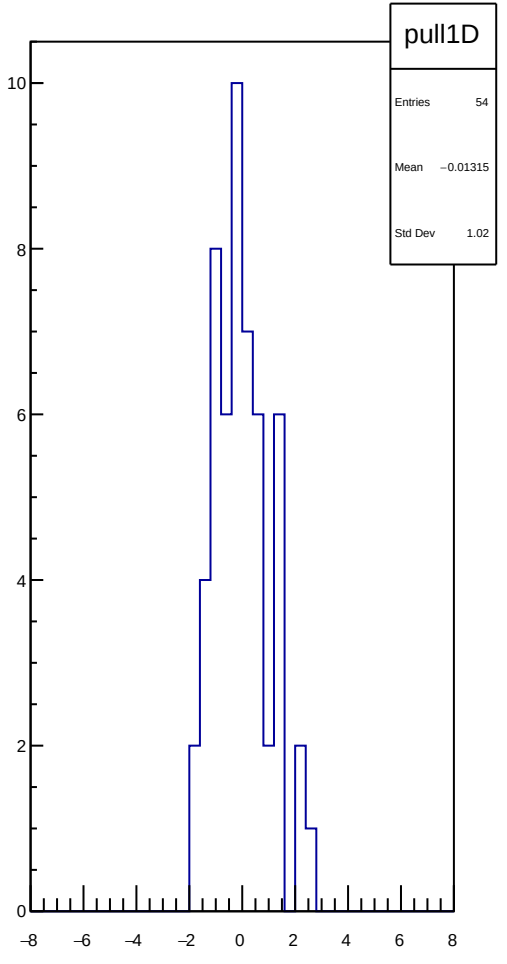

reg_asym_atl1_rms vs run
χ² / ndf 47.25 / 53
p0 606 ± 0.5878
620
615
610
605
600
595
590

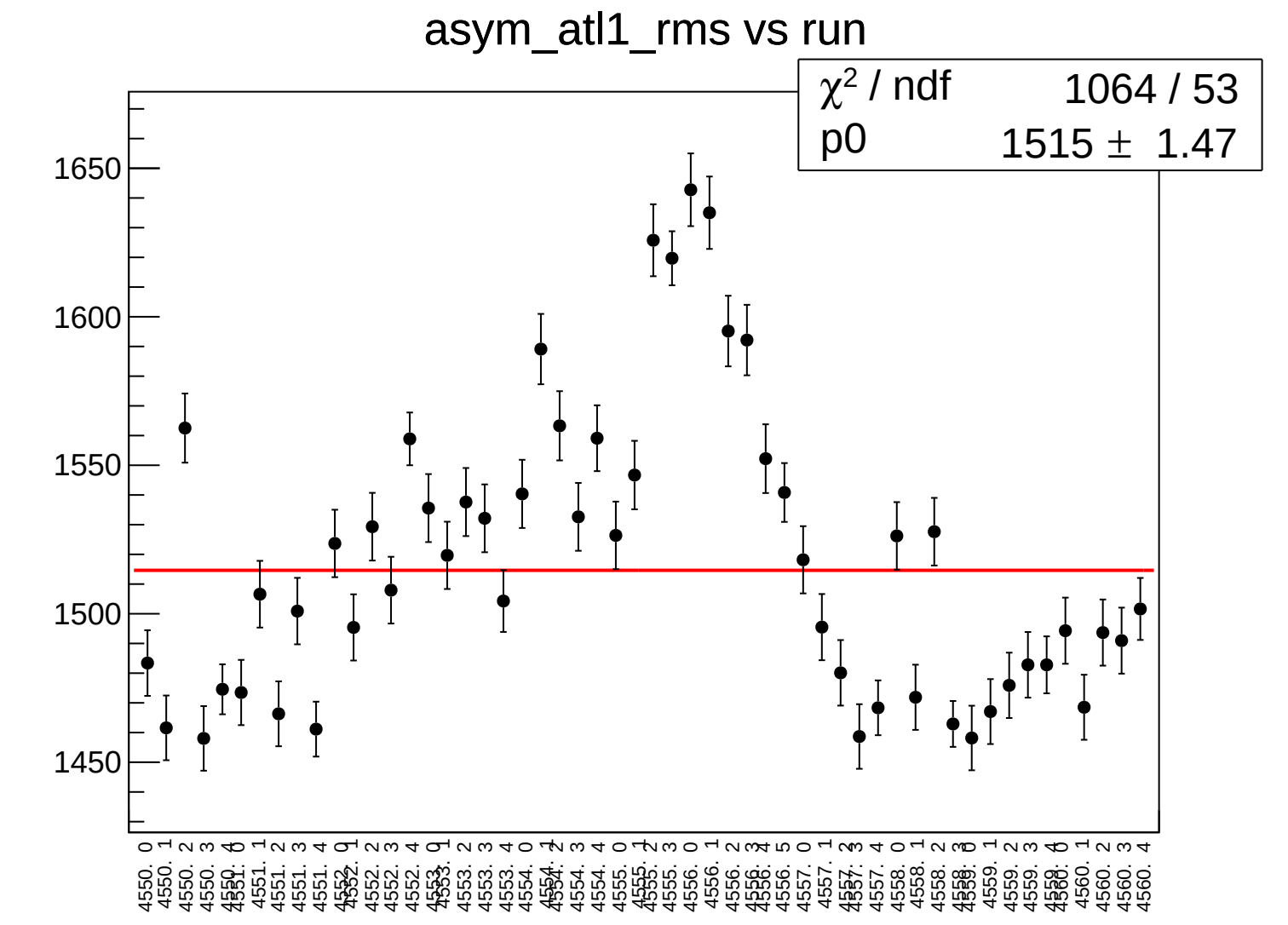

asym_atl1_correction_mean vs run
χ² / ndf 52.6 / 53
p0 −1921 ± 1904
pull
Entries 54
Mean −1455
Std Dev 1484

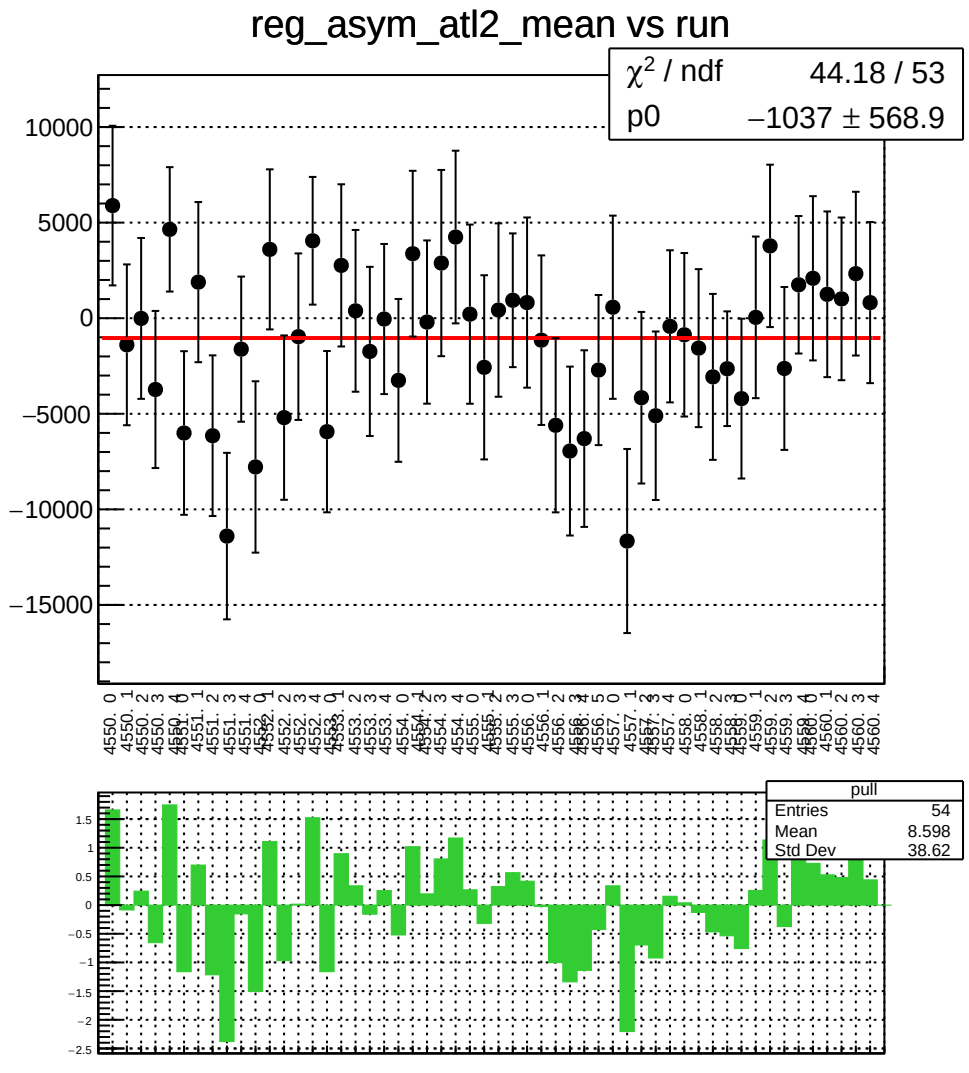

pull1D
Entries 54
Mean −0.001789
Std Dev 0.987

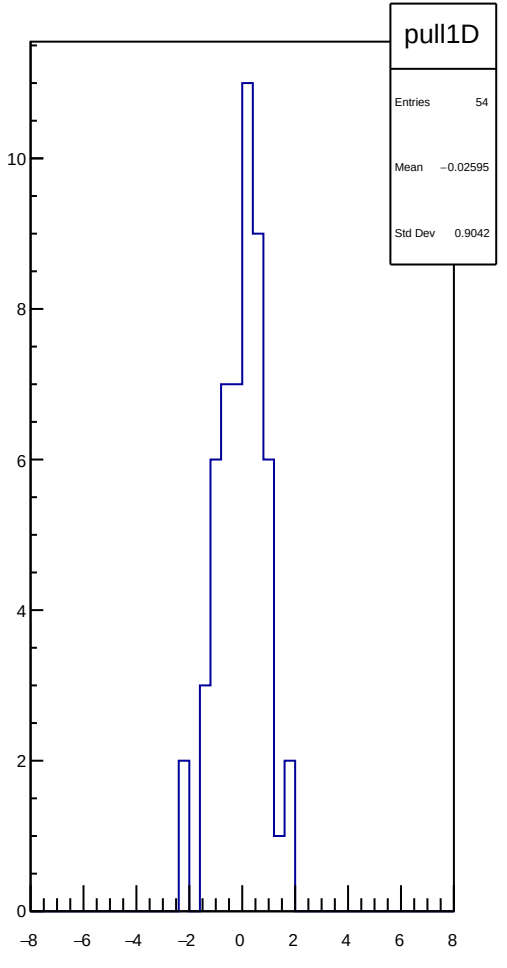

asym_atl1_correction_rms vs run
χ² / ndf 1467 / 53
p0 1387 ± 1.347
1550
1500
1450
1400
1350
1300

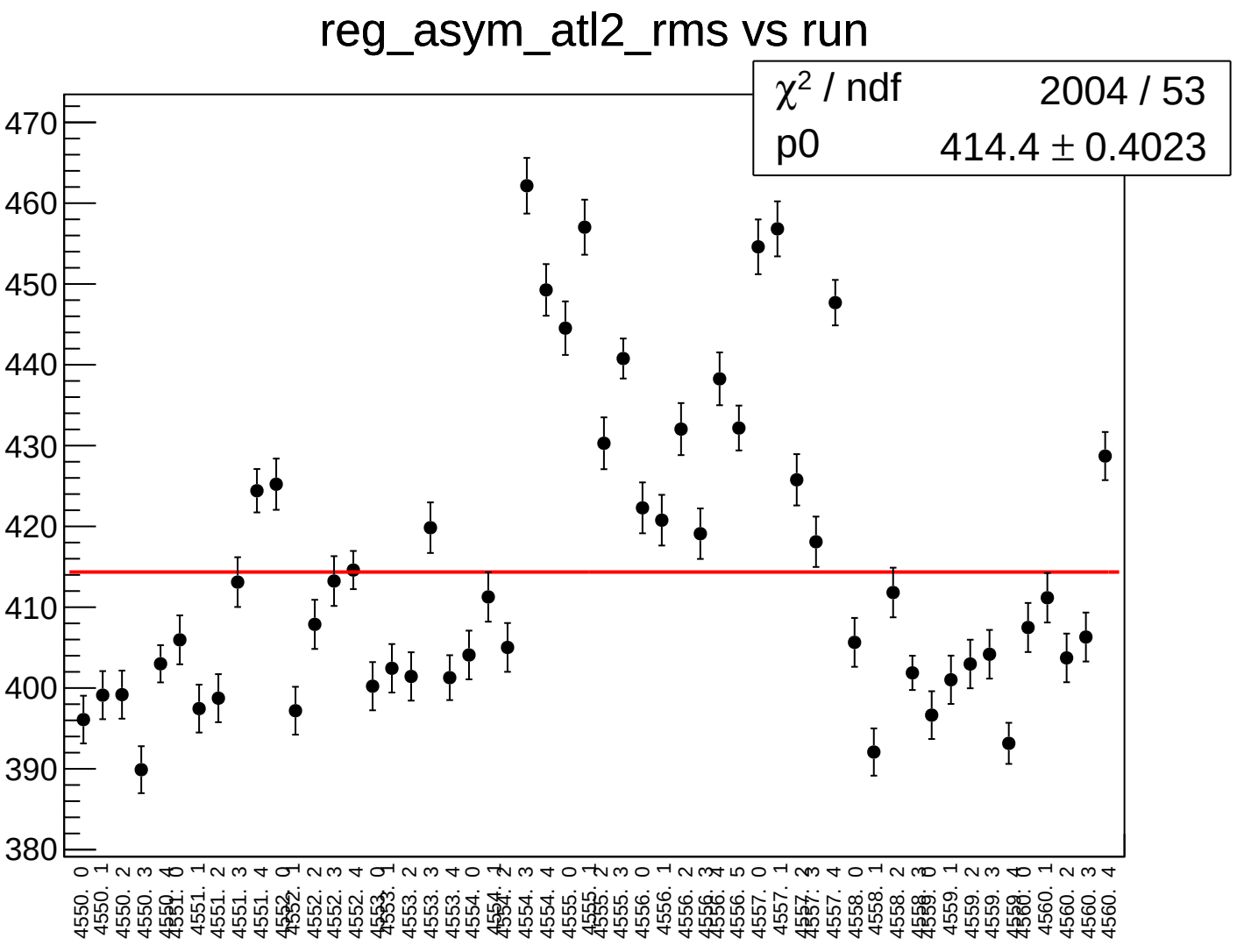

asym_atl1_mean vs run
χ² / ndf 56.19 / 53
p0 2021 ± 2079
pull
Entries 54
Mean 132.1
Std Dev 98.15

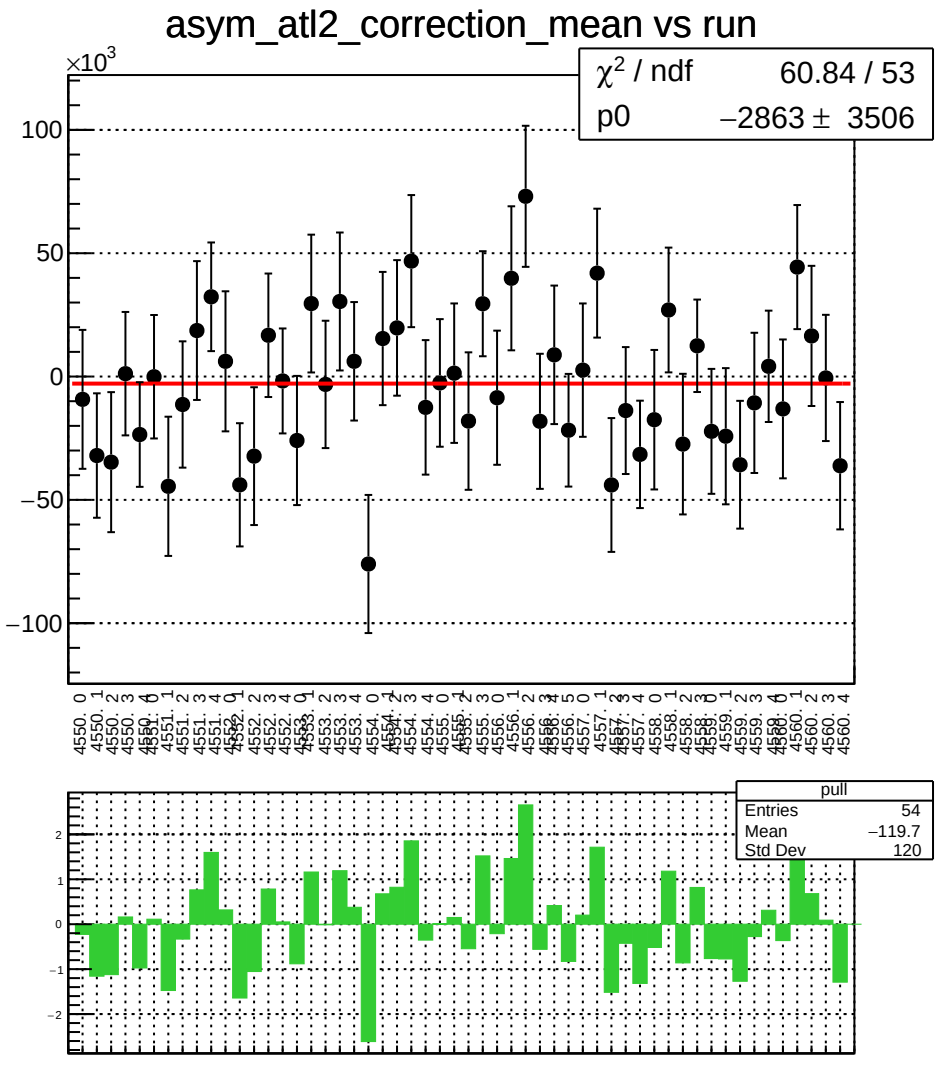

pull1D
Entries 54
Mean −0.01315
Std Dev 1.02

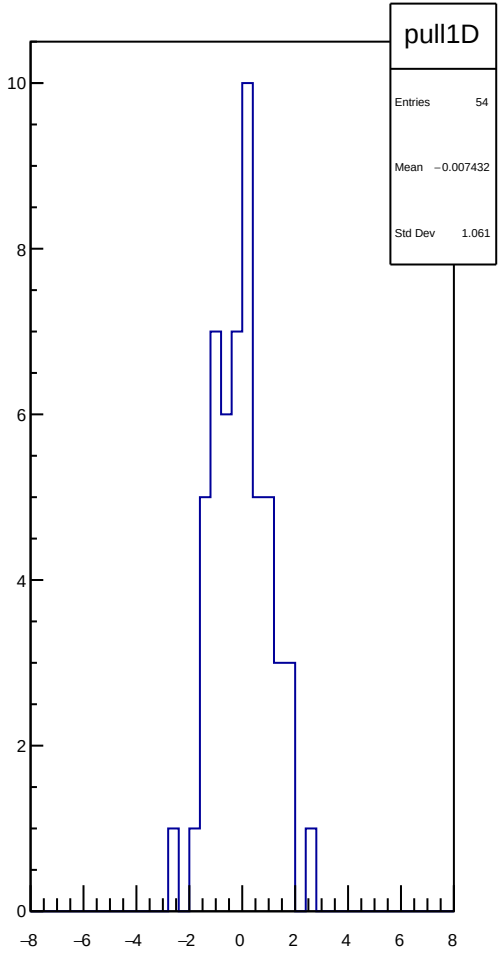

asym_atl1_rms vs run
χ² / ndf 1064 / 53
p0 1515 ± 1.47
1650
1600
1550
1500
1450
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

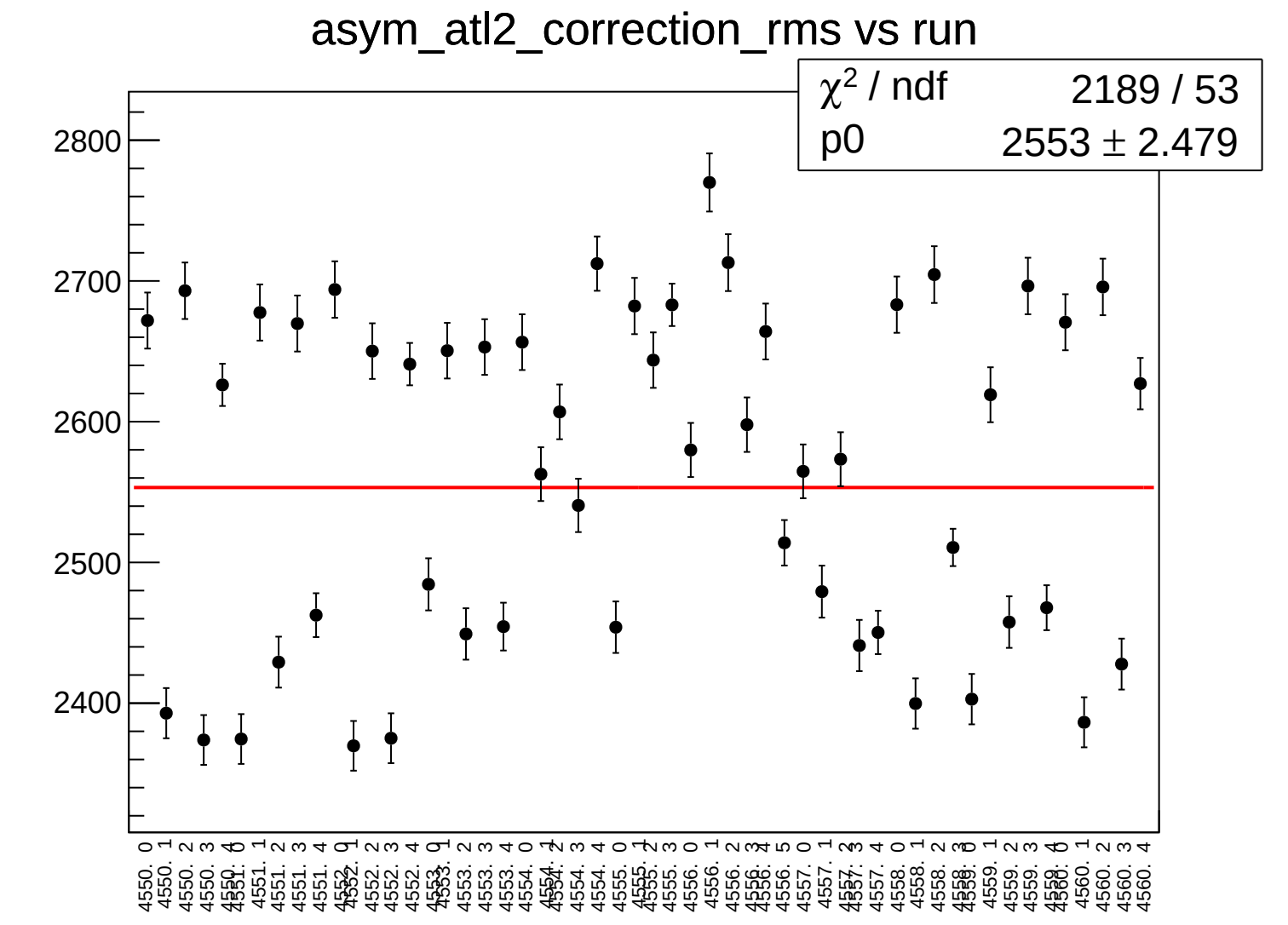

reg_asym_atl2_mean vs run
χ² / ndf 44.18 / 53
p0 −1037 ± 568.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 8.598
Std Dev 38.62
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

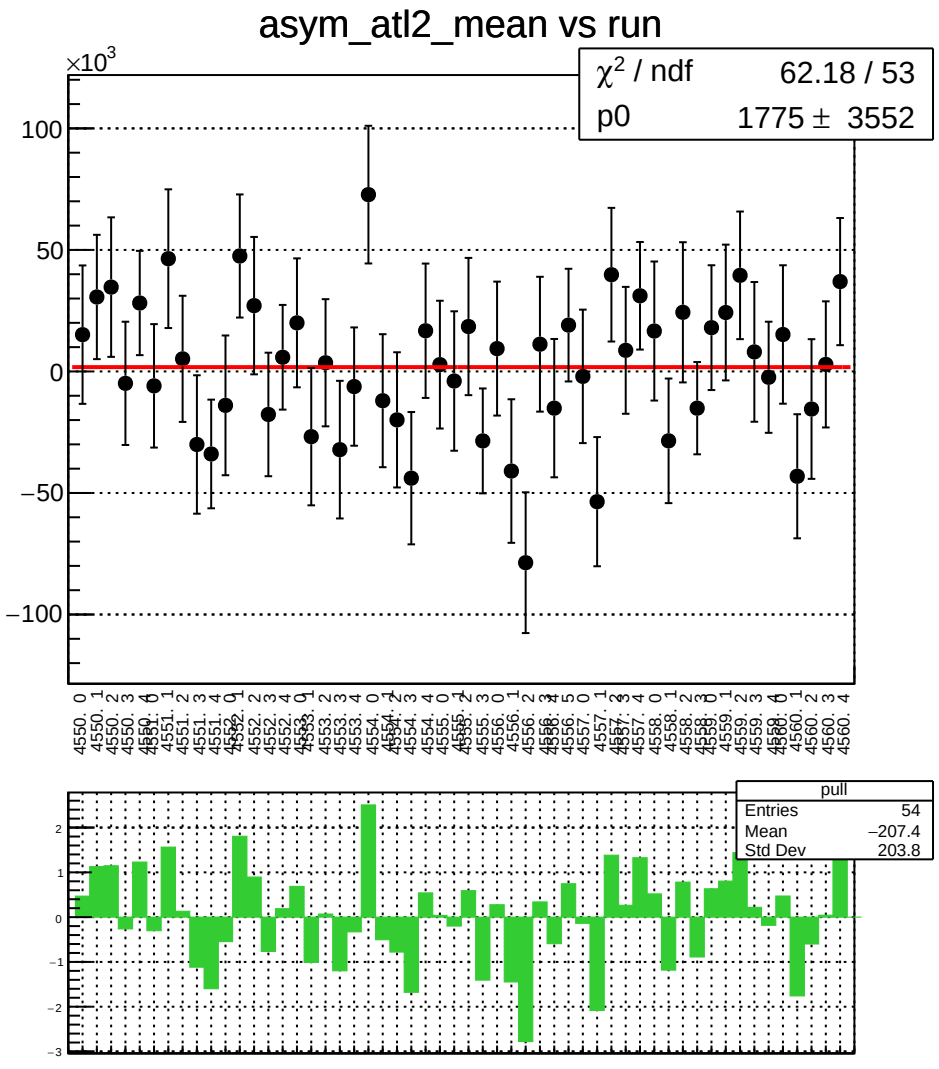

pull1D
Entries 54
Mean −0.02595
Std Dev 0.9042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

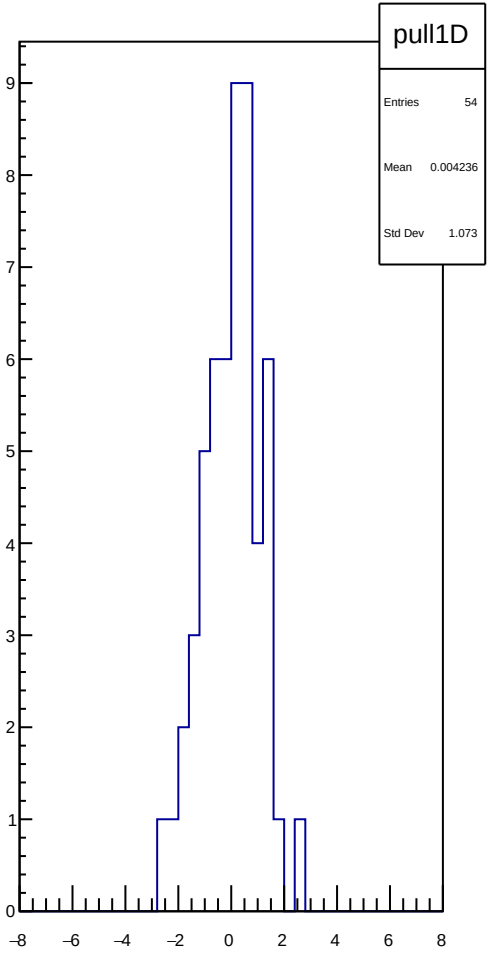

reg_asym_atl2_rms vs run
χ² / ndf 2004 / 53
p0 414.4 ± 0.4023
470
460
450
440
430
420
410
400
390
380

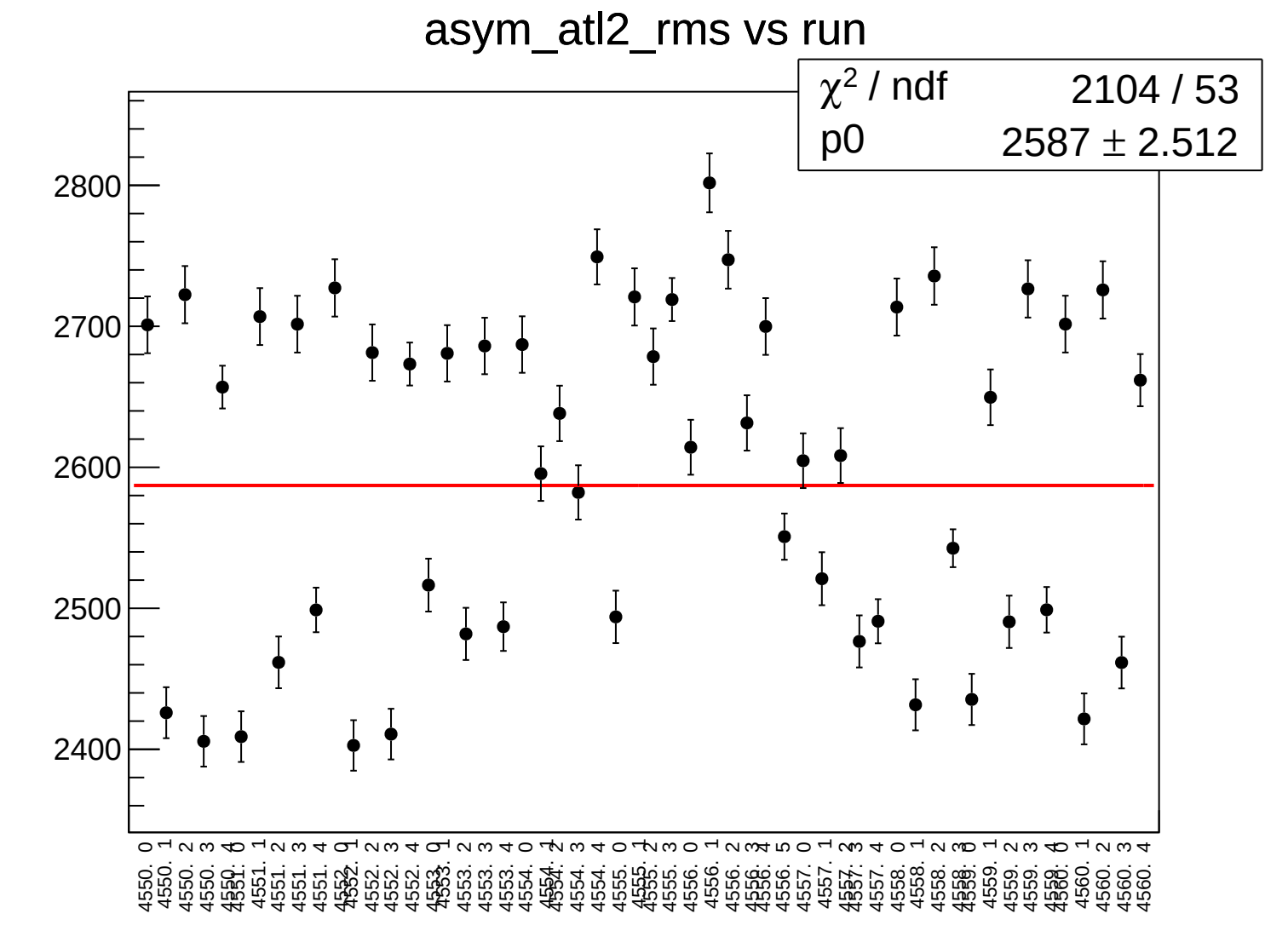

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 60.84 / 53
p0 −2863 ± 3506
100
50
0
−50
−100
pull
Entries 54
Mean −119.7
Std Dev 120
2
1
0
−1
−2

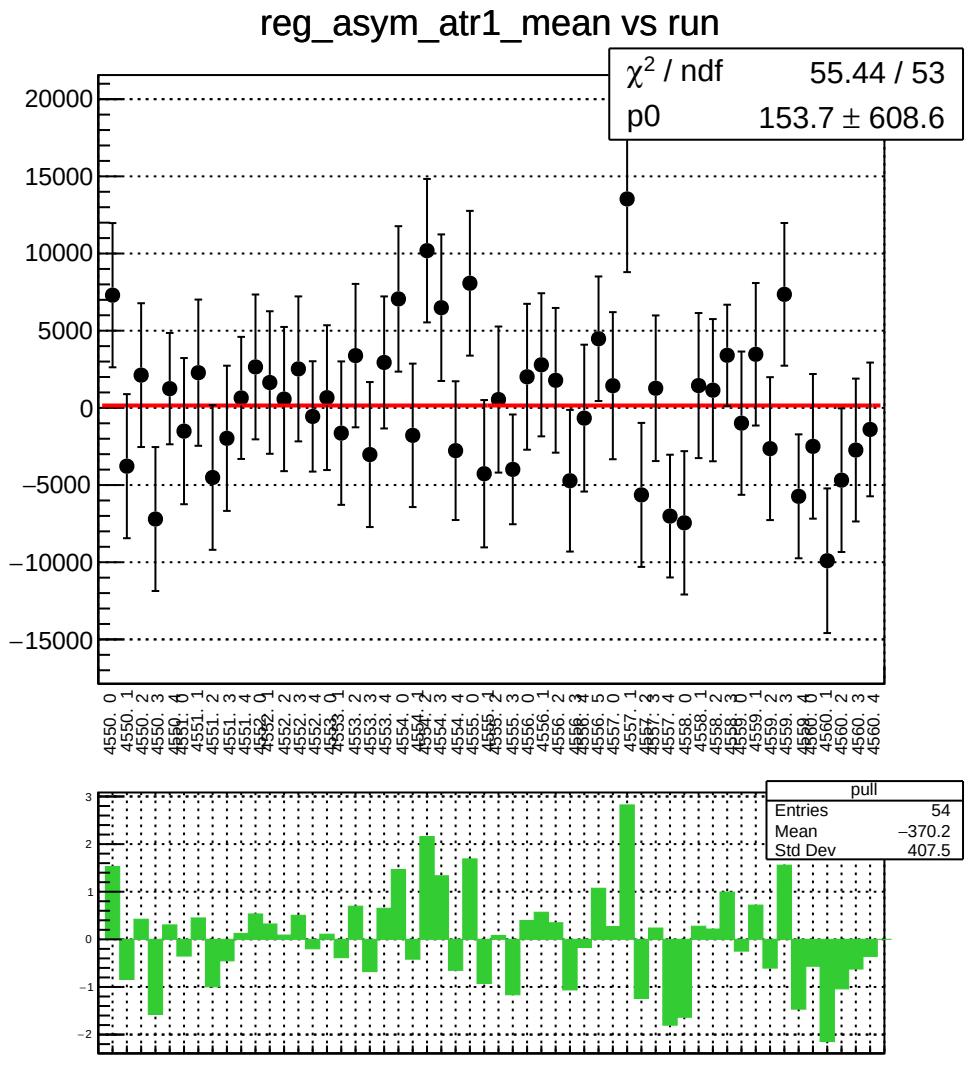

pull1D
Entries 54
Mean −0.007432
Std Dev 1.061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

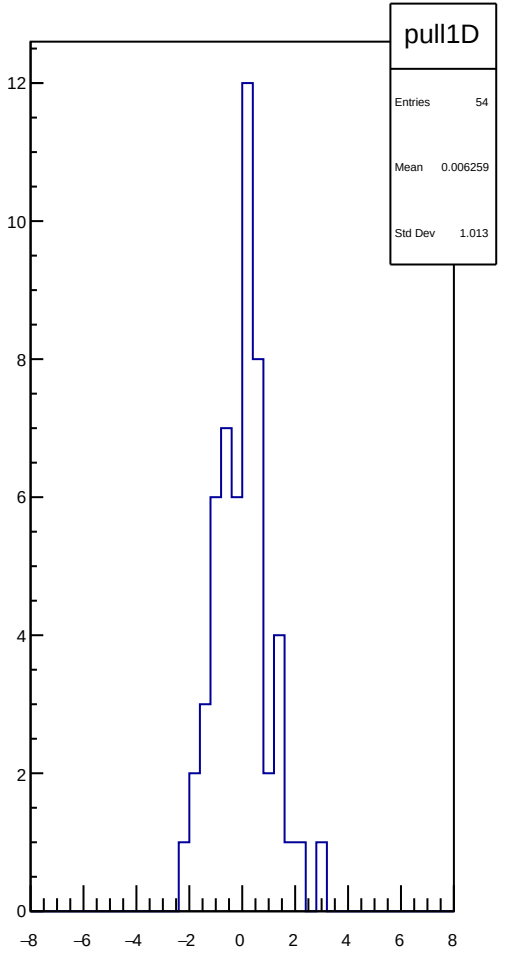

asym_atl2_correction_rms vs run
χ² / ndf 2189 / 53
p0 2553 ± 2.479
2800
2700
2600
2500
2400
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

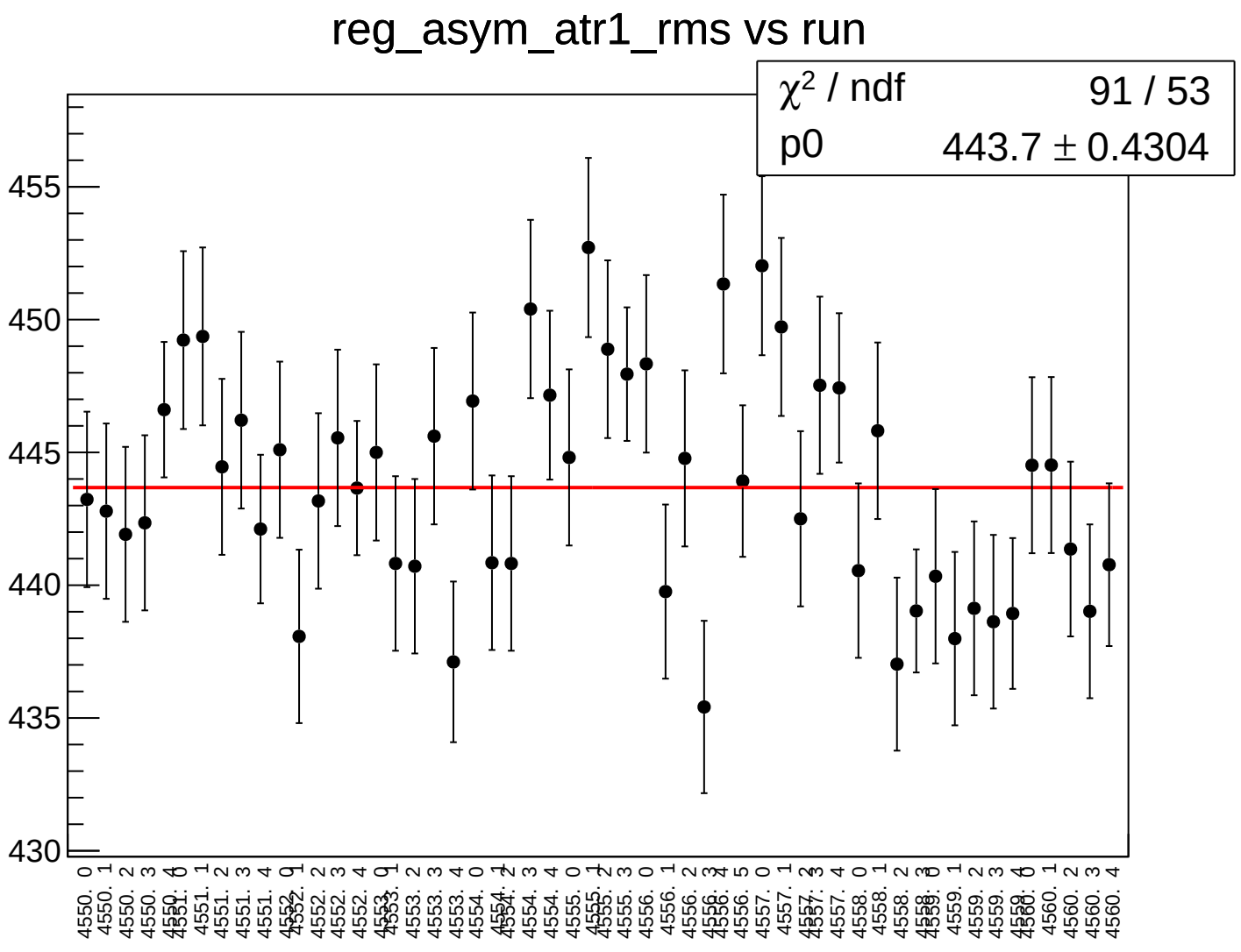

asym_atl2_mean vs run
χ² / ndf 62.18 / 53
p0 1775 ± 3552
×10³
100
50
0
−50
−100
pull
Entries 54
Mean −207.4
Std Dev 203.8
2
1
0
−1
−2
−3

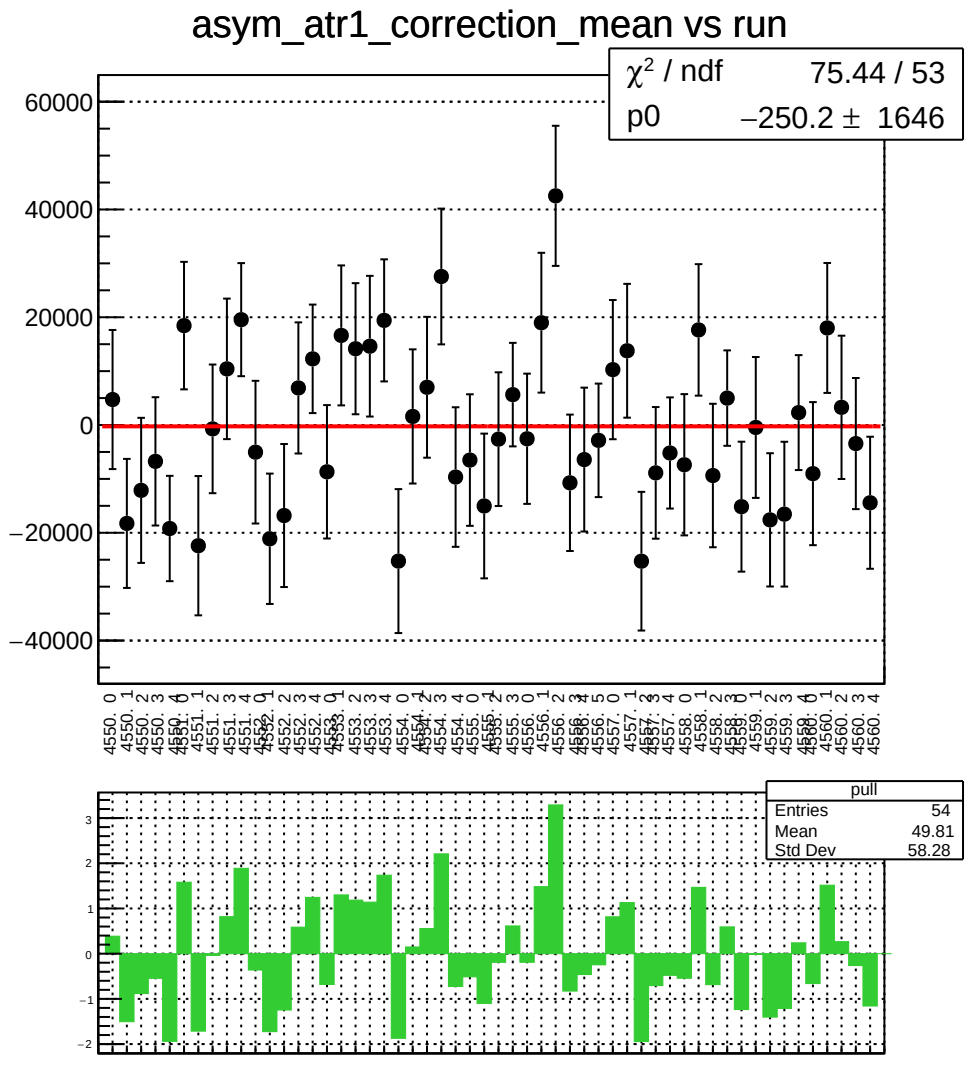

pull1D
Entries 54
Mean 0.004236
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

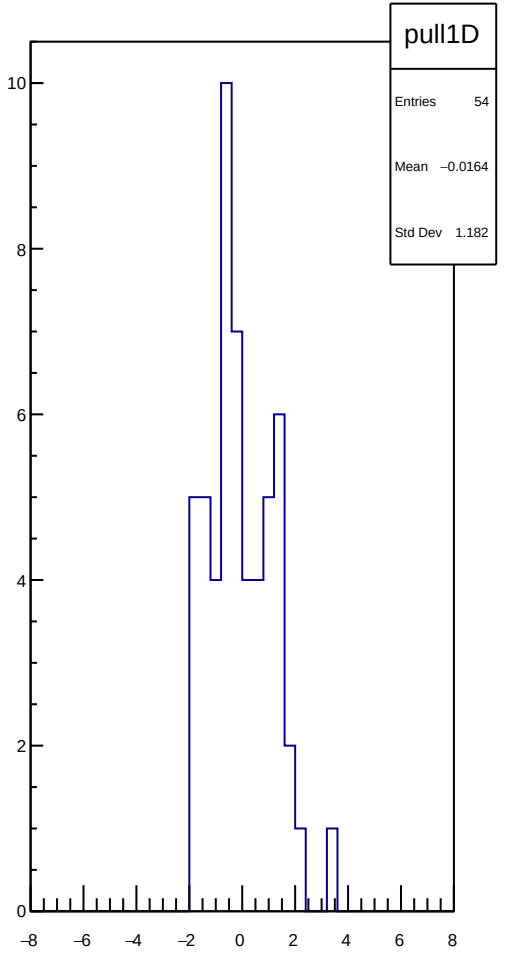

asym_atl2_rms vs run
χ² / ndf 2104 / 53
p0 2587 ± 2.512
2800
2700
2600
2500
2400
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

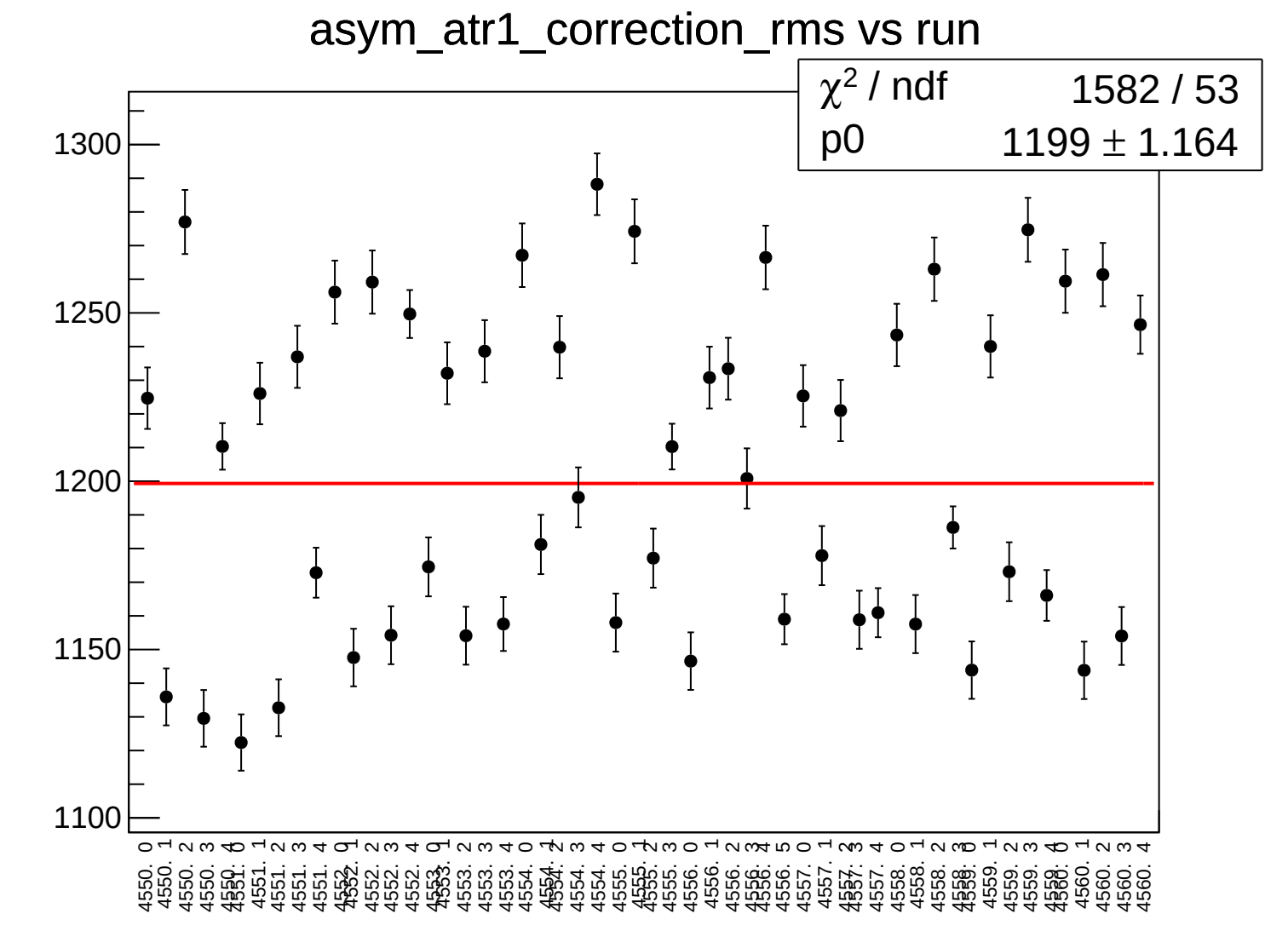

reg_asym_atr1_mean vs run
χ² / ndf 55.44 / 53
p0 153.7 ± 608.6
pull
Entries 54
Mean −370.2
Std Dev 407.5

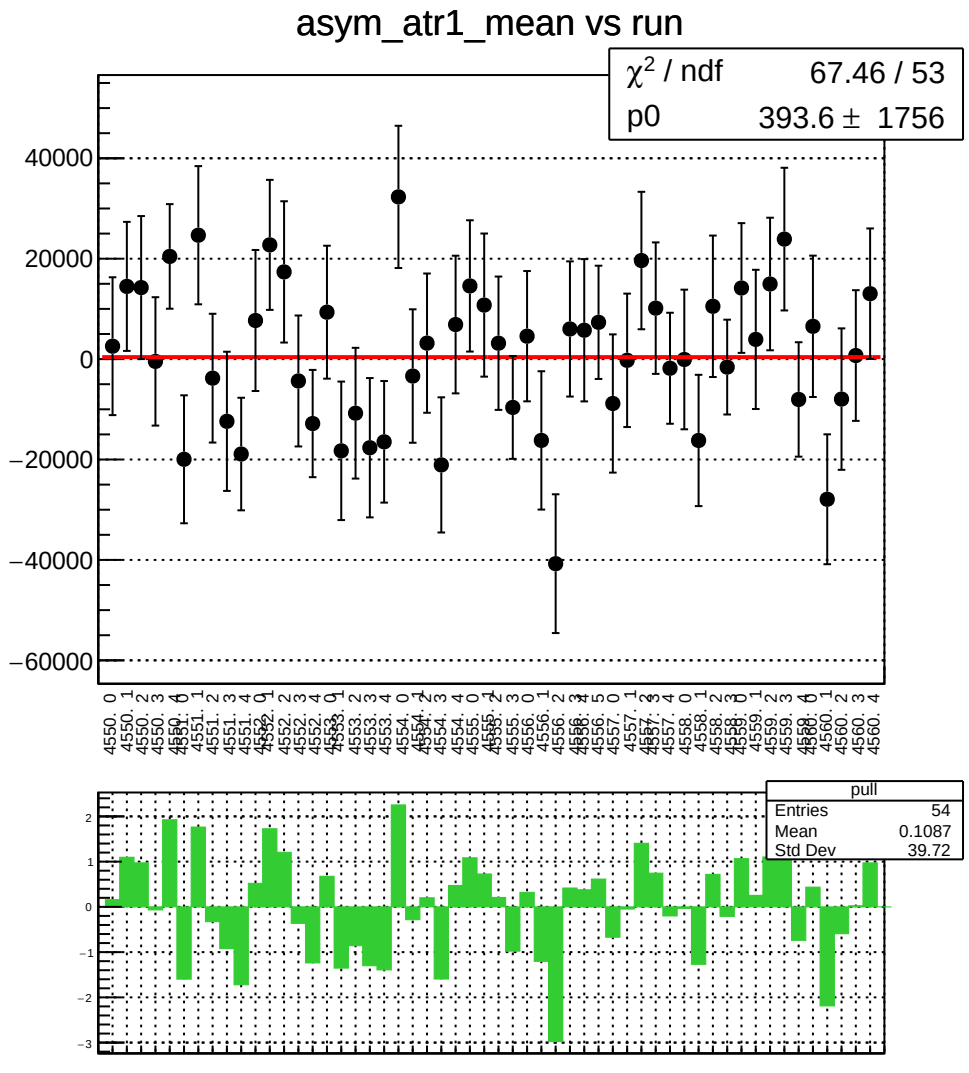

pull1D
Entries 54
Mean 0.006259
Std Dev 1.013

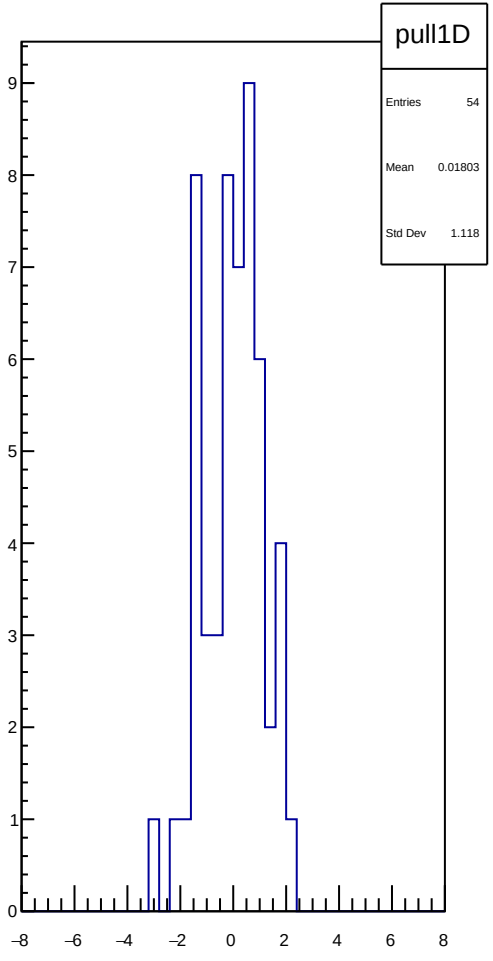

reg_asym_atr1_rms vs run
χ² / ndf 91 / 53
p0 443.7 ± 0.4304
455
450
445
440
435
430
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

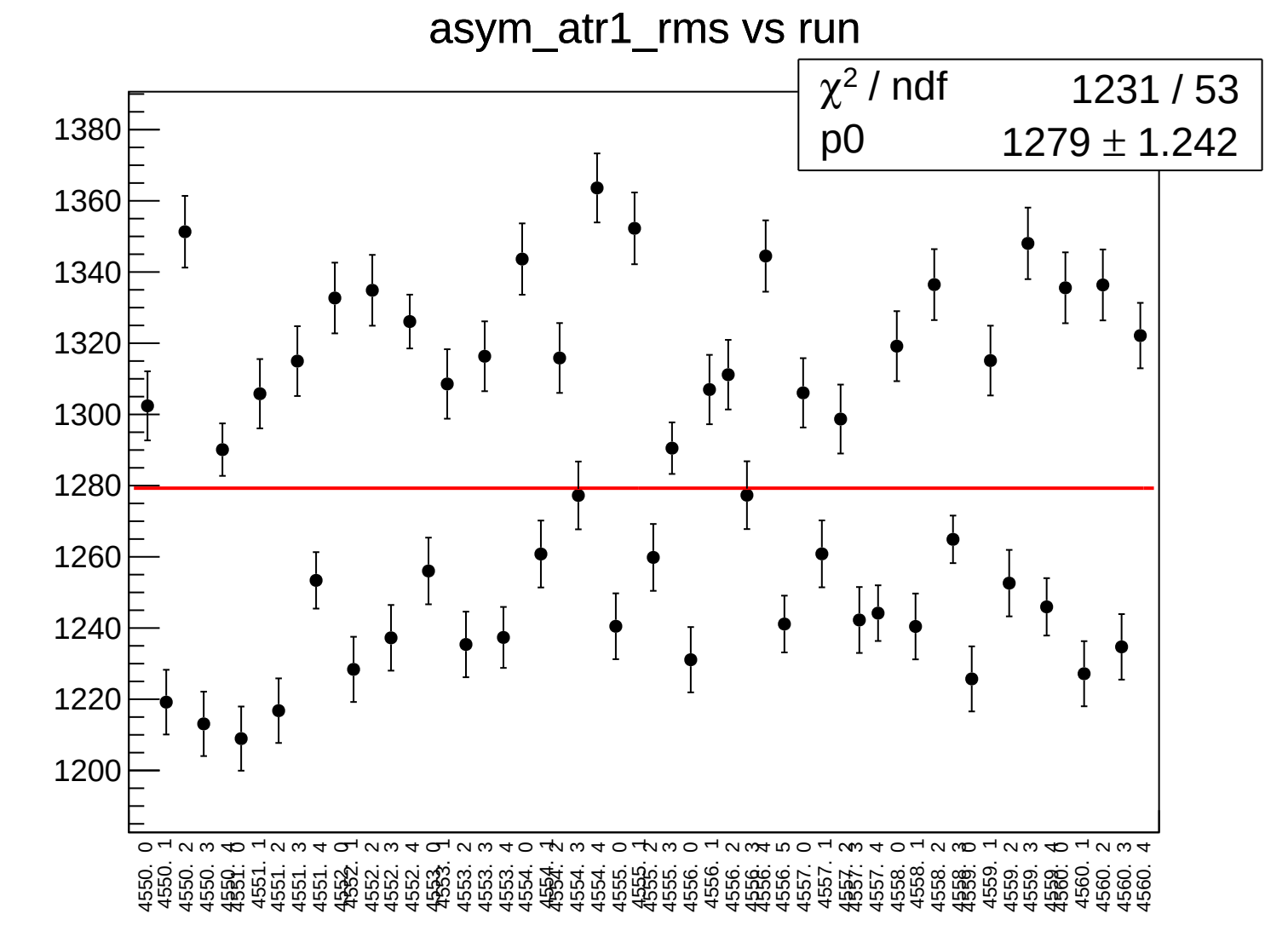

asym_atr1_correction_mean vs run
χ² / ndf 75.44 / 53
p0 −250.2 ± 1646
pull
Entries 54
Mean 49.81
Std Dev 58.28


pull1D
Entries 54
Mean −0.0164
Std Dev 1.182


asym_atr1_correction_rms vs run
χ² / ndf 1582 / 53
p0 1199 ± 1.164
1300
1250
1200
1150
1100
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_atr1_mean vs run
χ² / ndf 67.46 / 53
p0 393.6 ± 1756
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 0.1087
Std Dev 39.72
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.01803
Std Dev 1.118
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_rms vs run
χ² / ndf 1231 / 53
p0 1279 ± 1.242
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
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4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
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4556. 4
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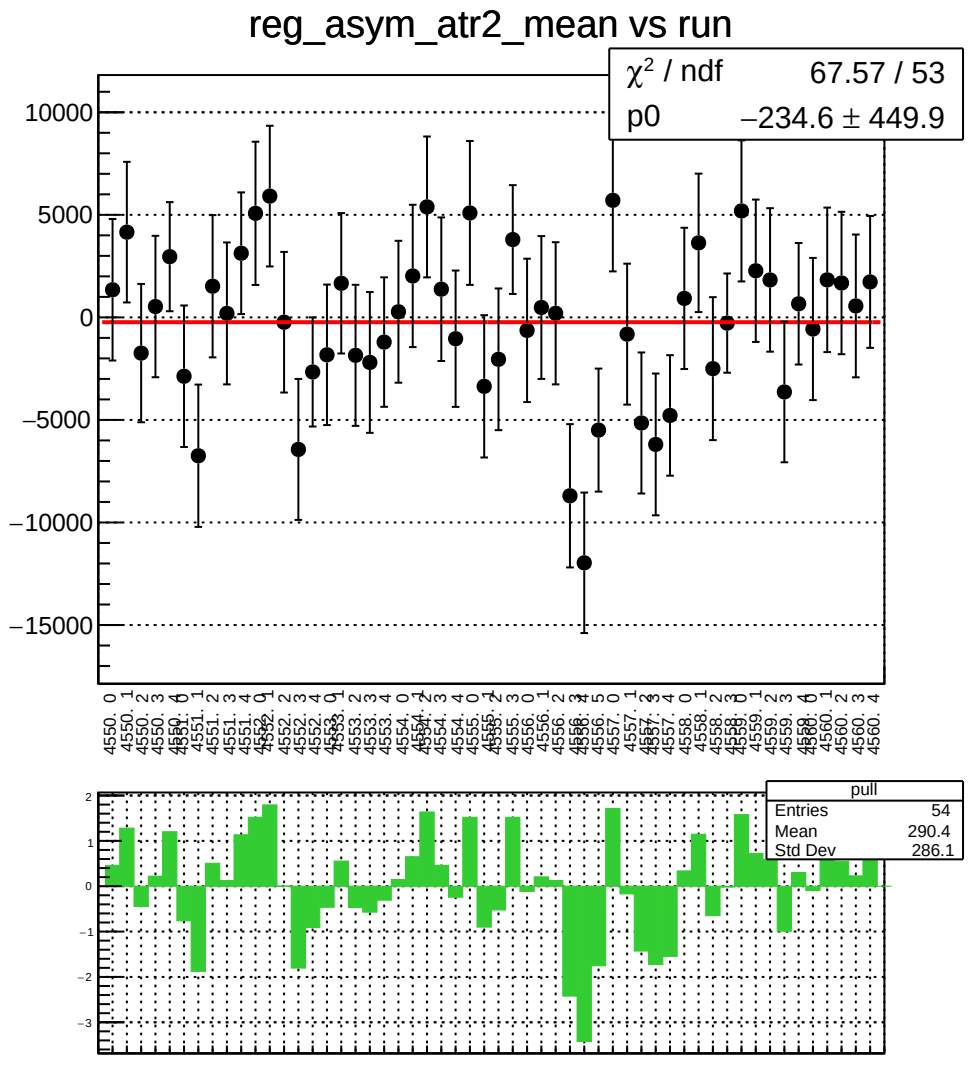
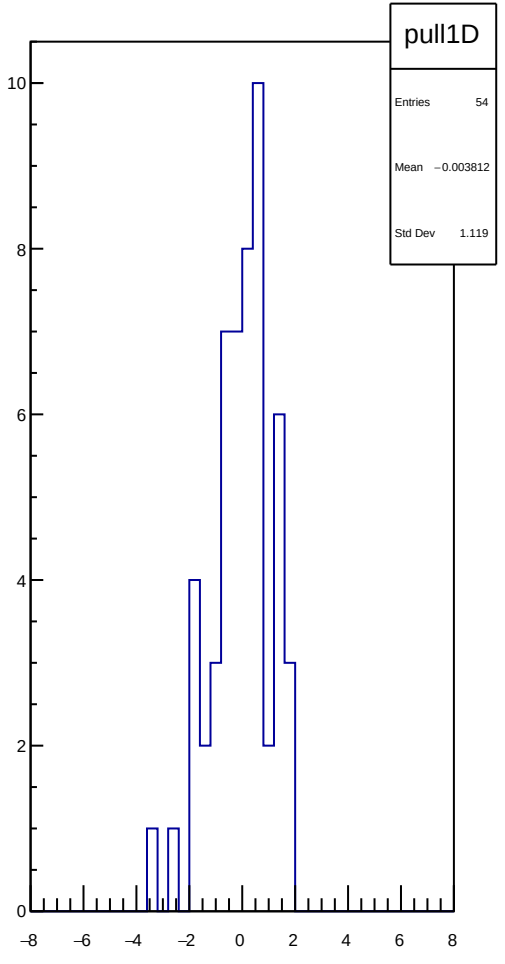
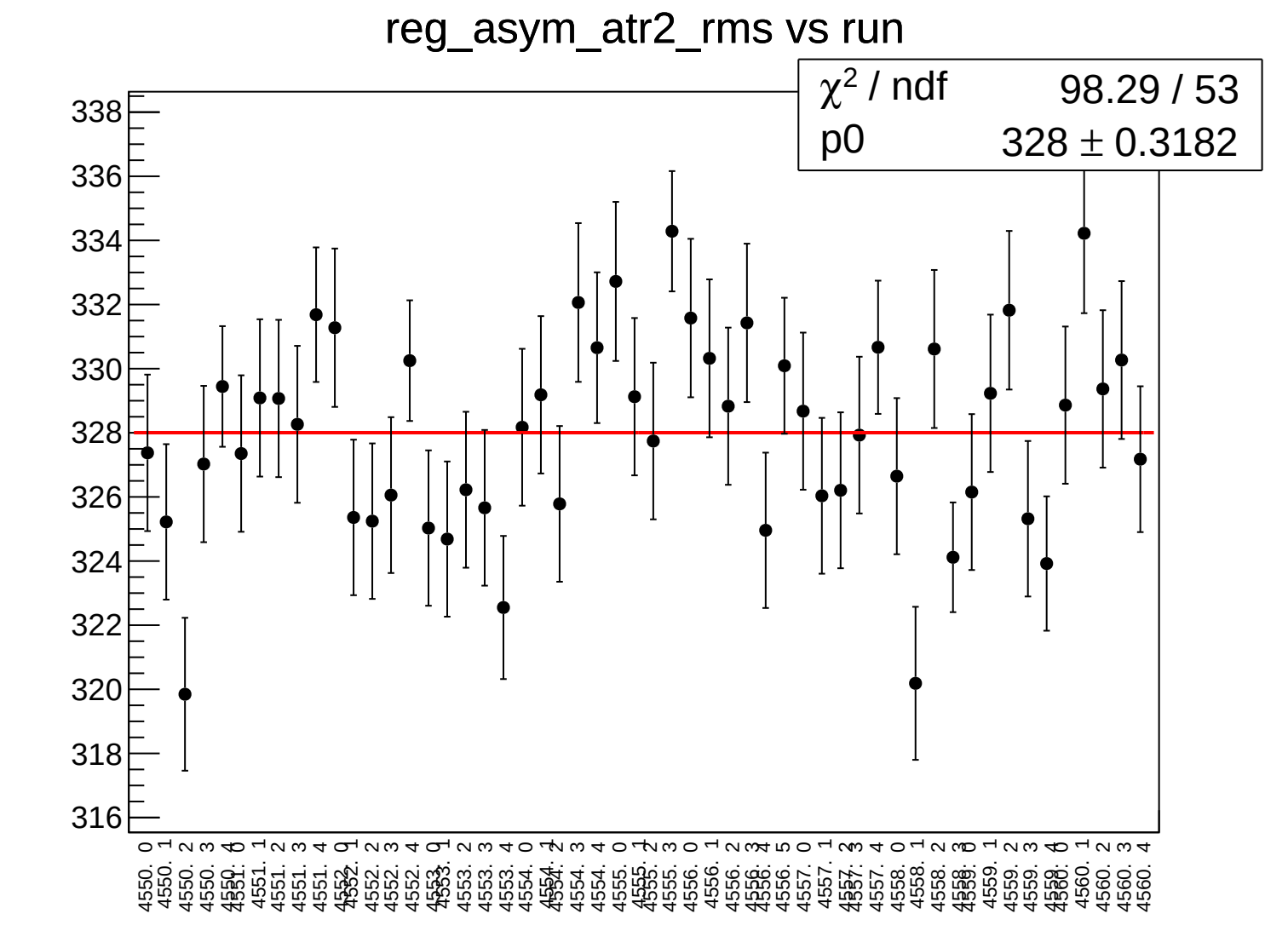
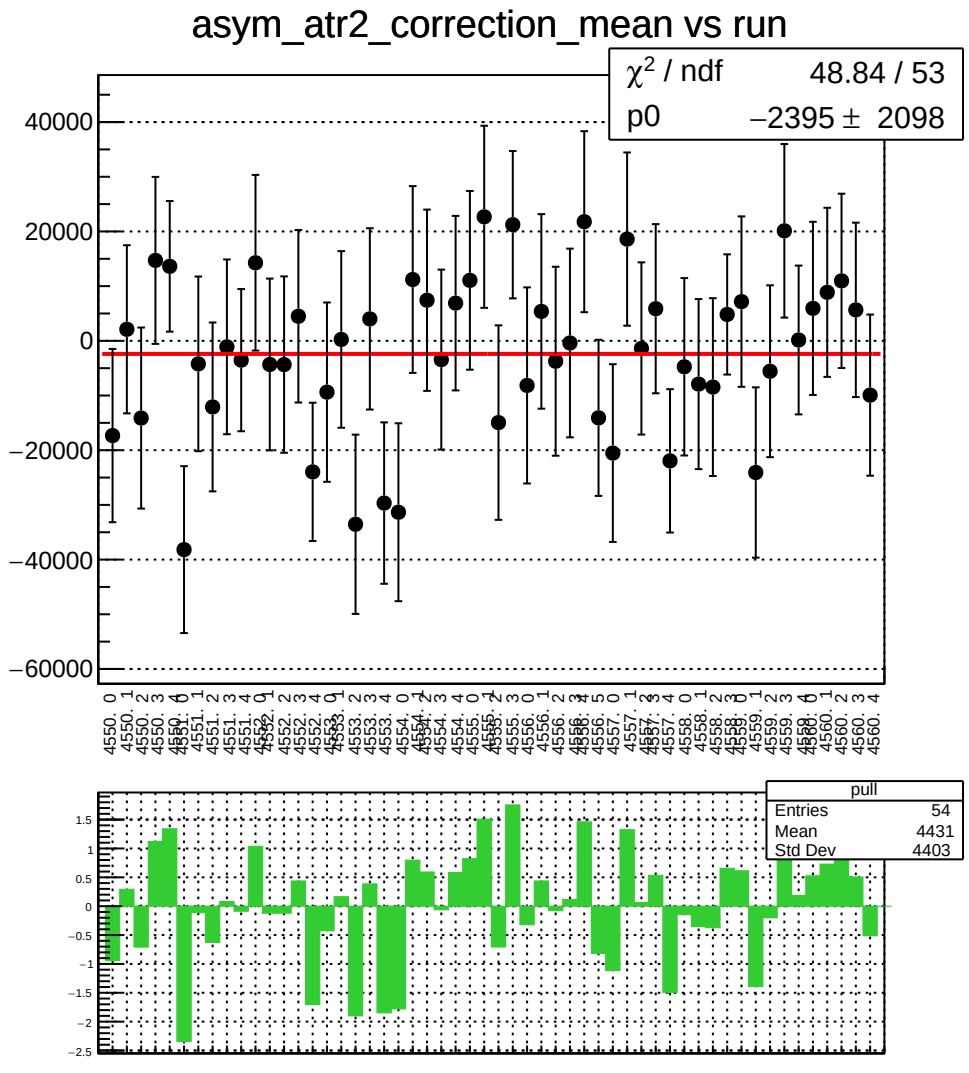
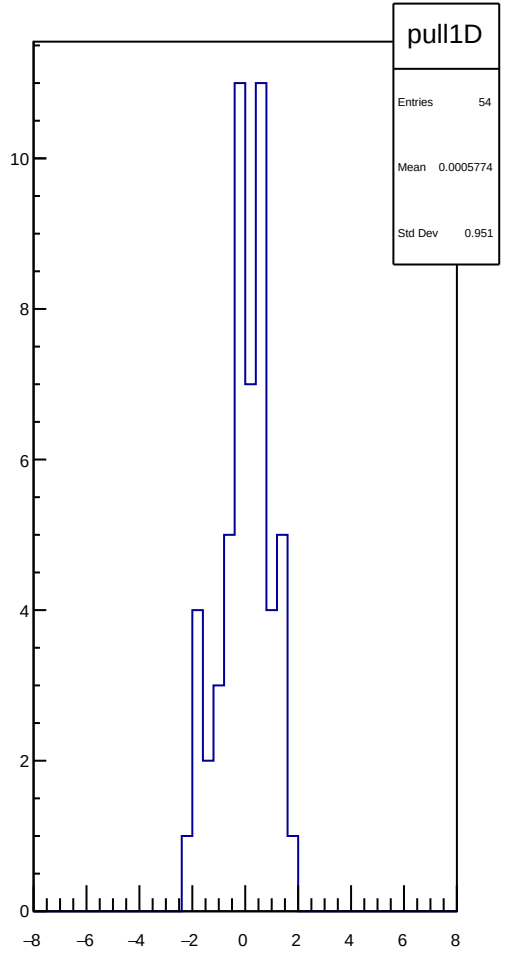
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

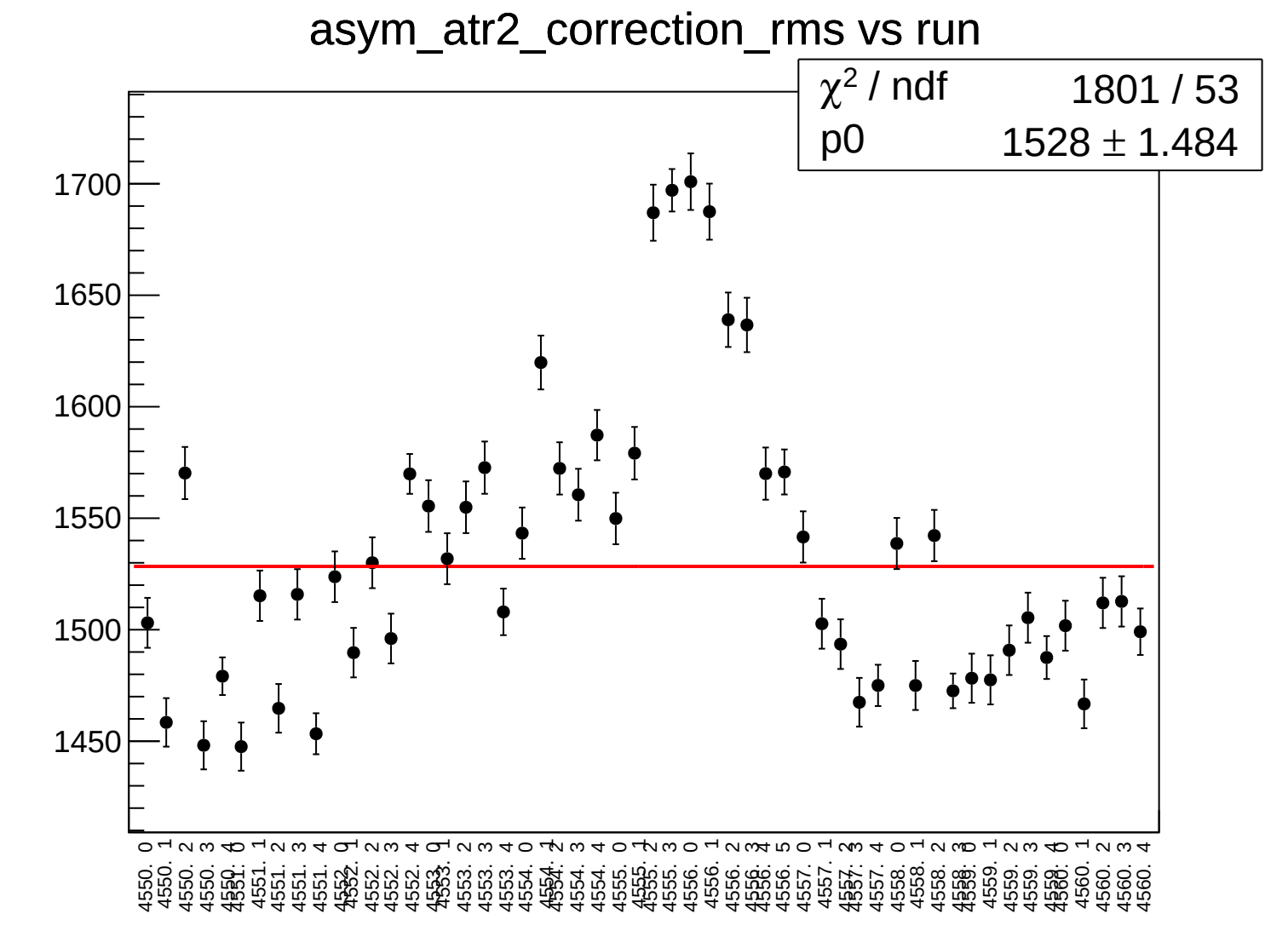

reg_asym_atr2_mean vs run
χ² / ndf 67.57 / 53
p0 −234.6 ± 449.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 290.4
Std Dev 286.1
2
1
0
−1
−2
−3

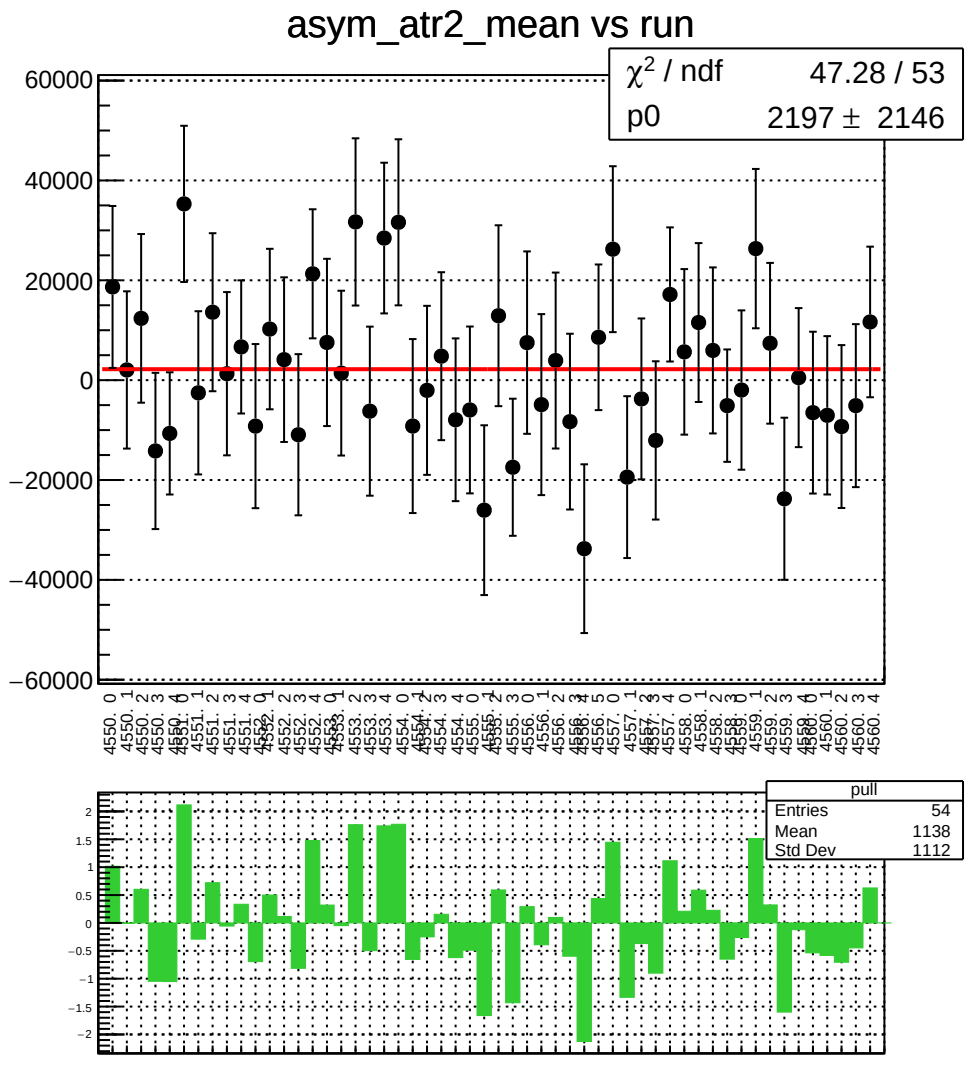

pull1D
Entries 54
Mean −0.003812
Std Dev 1.119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

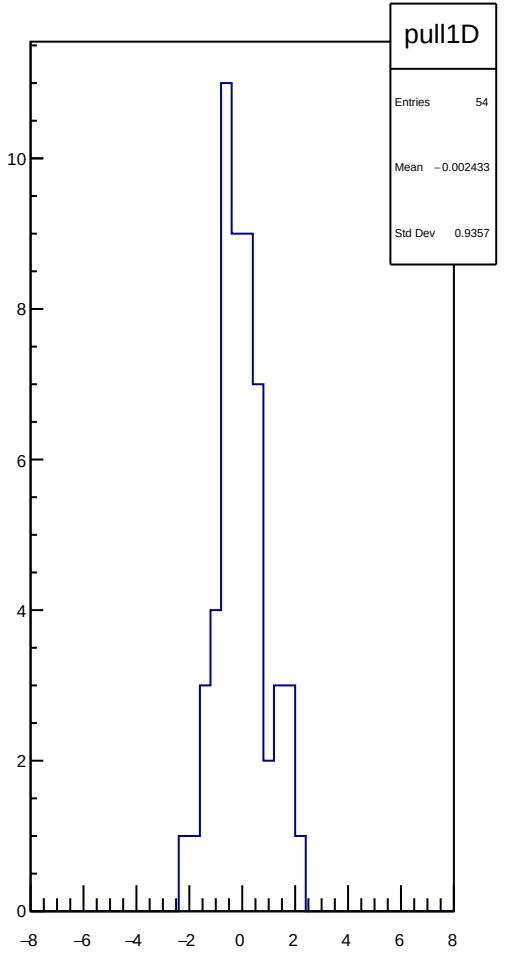

reg_asym_atr2_rms vs run
χ^2 / ndf 98.29 / 53
p0 328 ± 0.3182
338
336
334
332
330
328
326
324
322
320
318
316
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

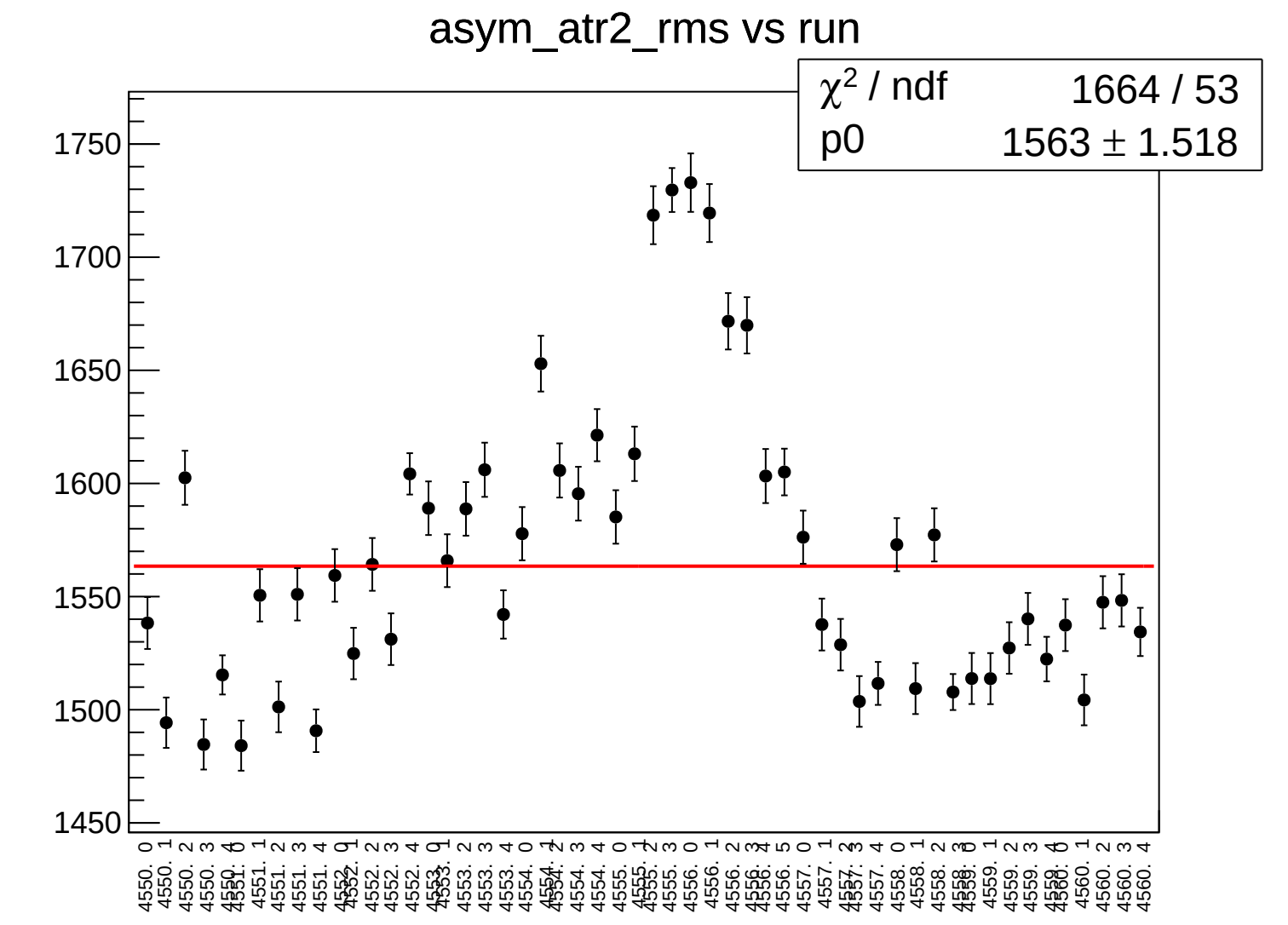

asym_atr2_correction_mean vs run
χ² / ndf 48.84 / 53
p0 −2395 ± 2098
pull
Entries 54
Mean 4431
Std Dev 4403

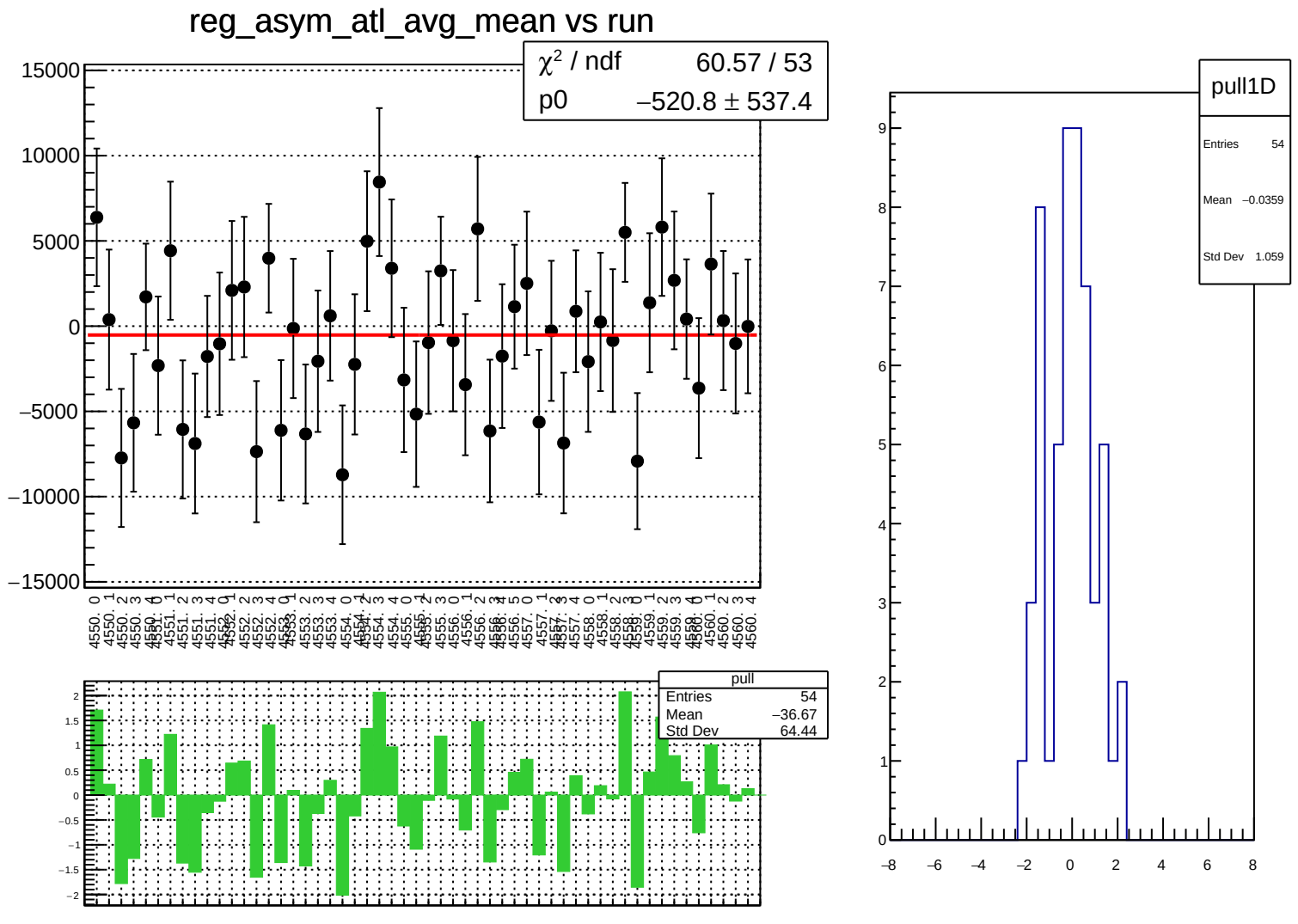

pull1D
Entries 54
Mean 0.0005774
Std Dev 0.951

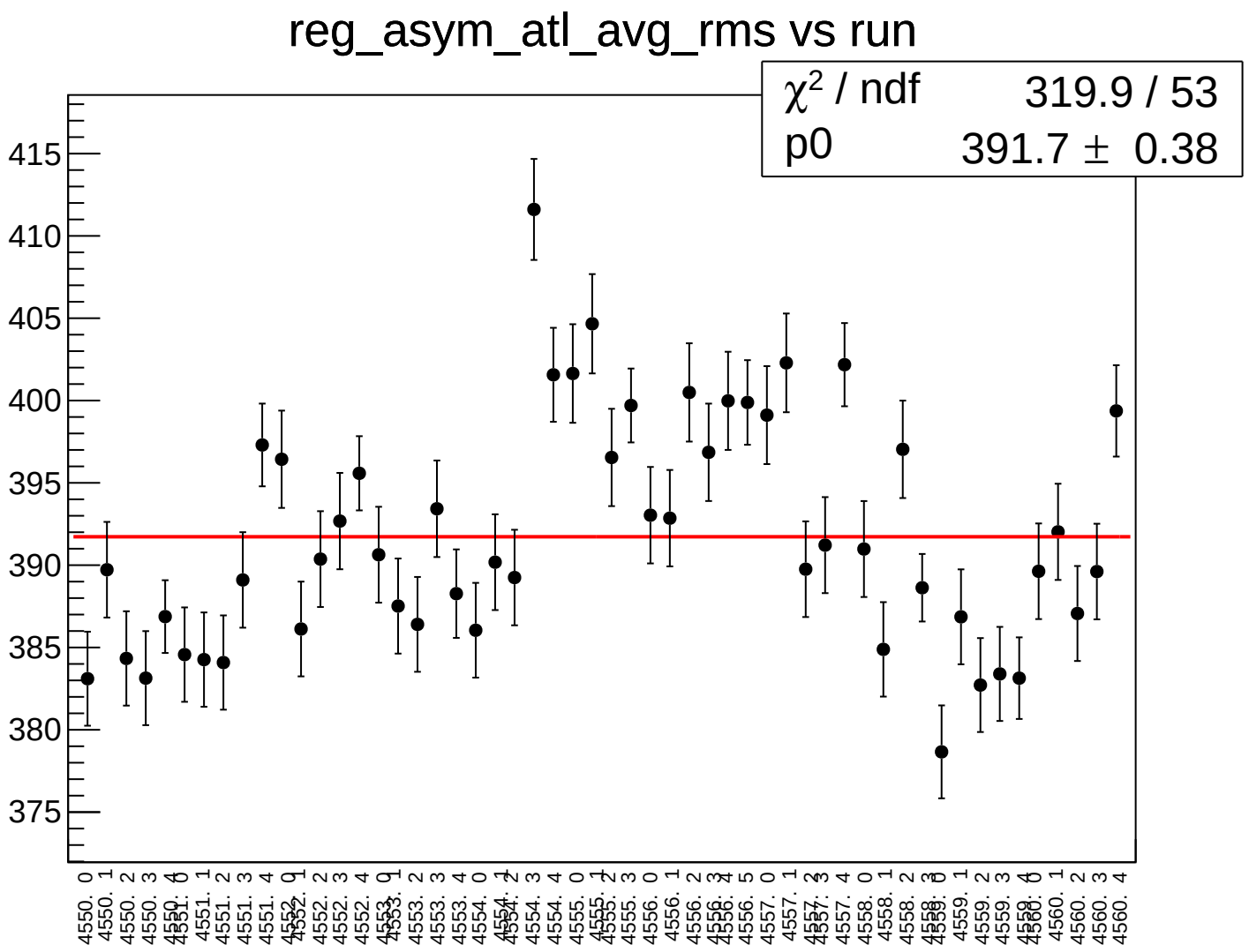

asym_atr2_correction_rms vs run
χ² / ndf 1801 / 53
p0 1528 ± 1.484
1700
1650
1600
1550
1500
1450

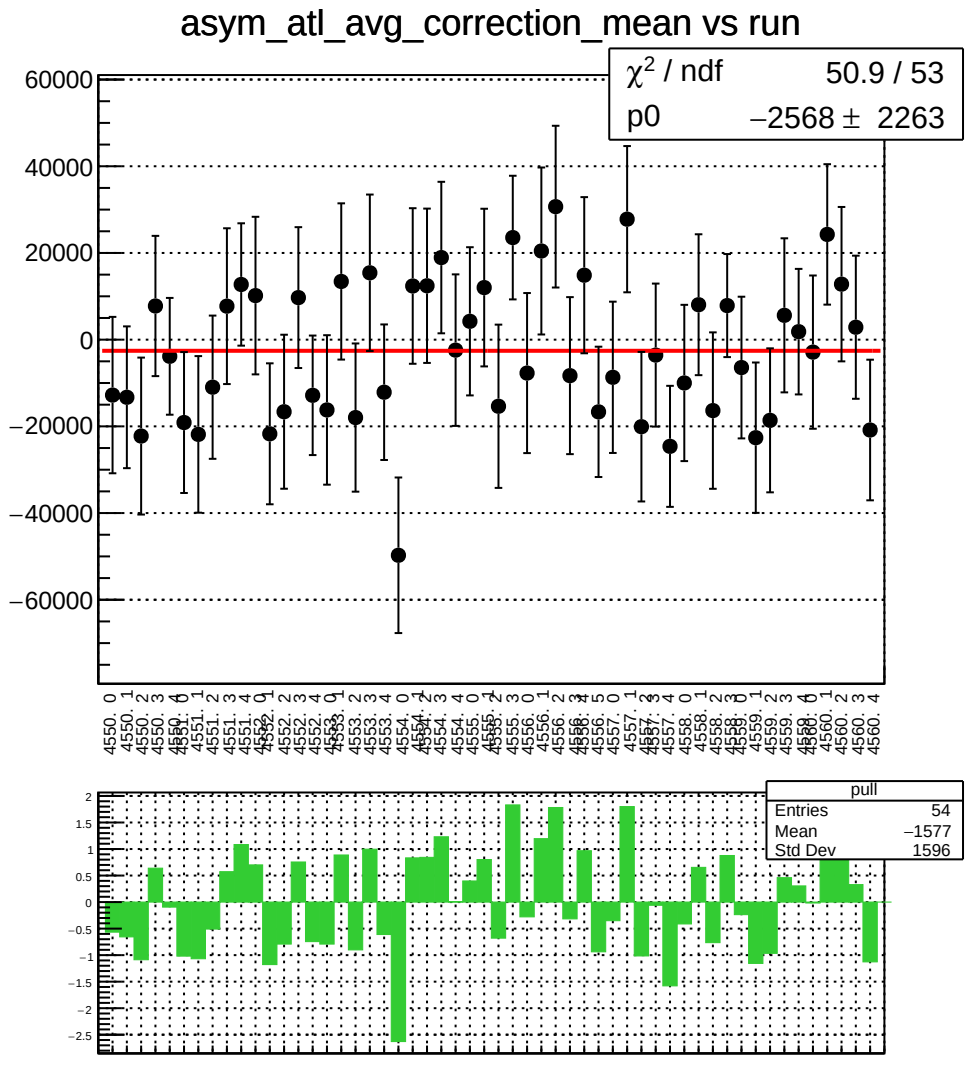

asym_atr2_mean vs run
χ² / ndf 47.28 / 53
p0 2197 ± 2146
pull
Entries 54
Mean 1138
Std Dev 1112

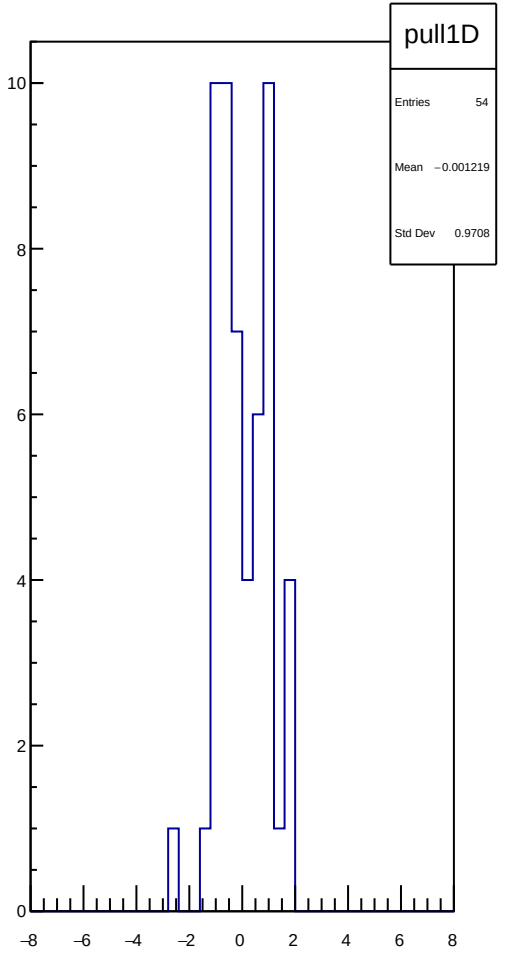

pull1D
Entries 54
Mean −0.002433
Std Dev 0.9357

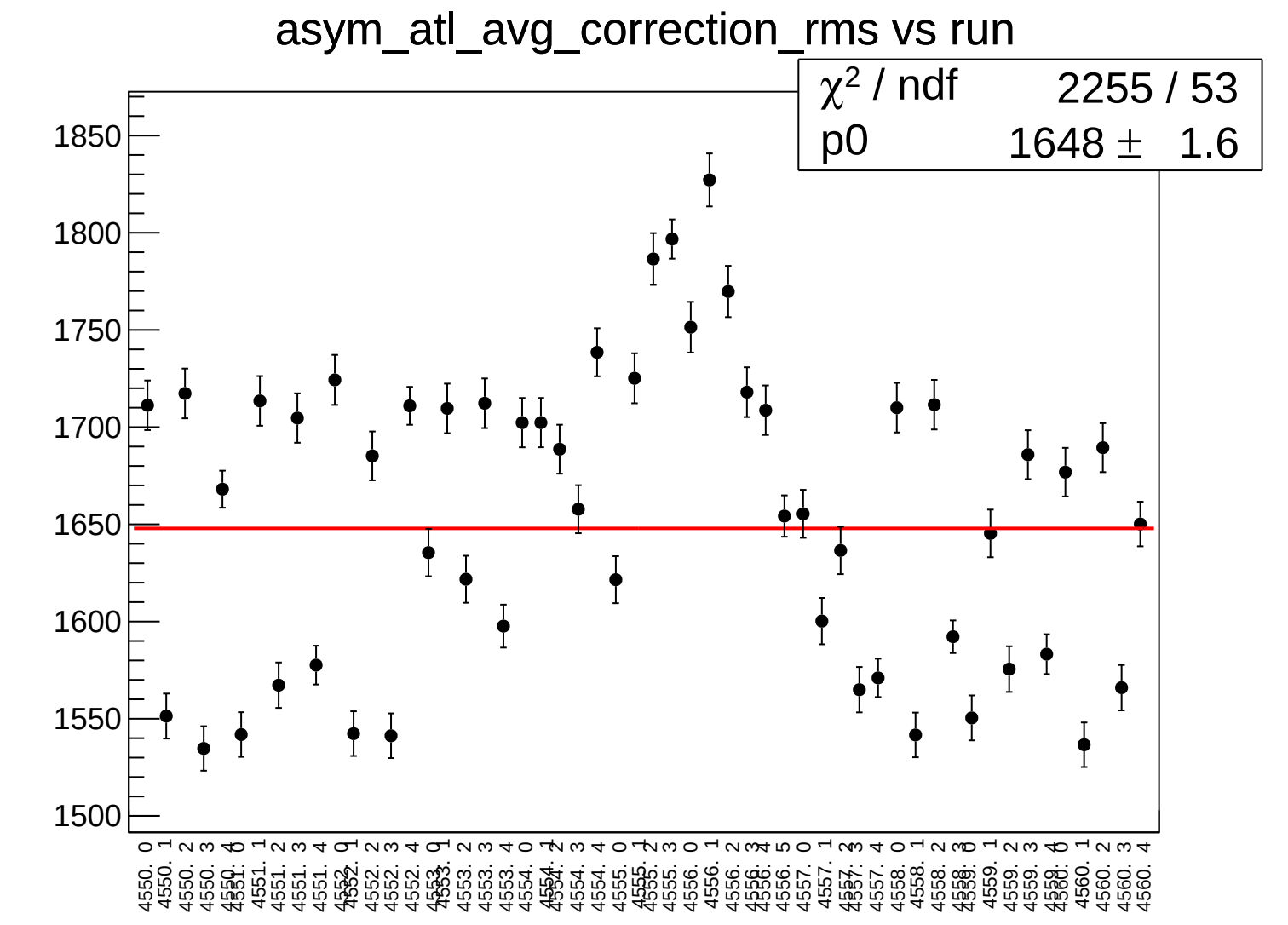

asym_atr2_rms vs run
χ² / ndf 1664 / 53
p0 1563 ± 1.518
1750
1700
1650
1600
1550
1500
1450

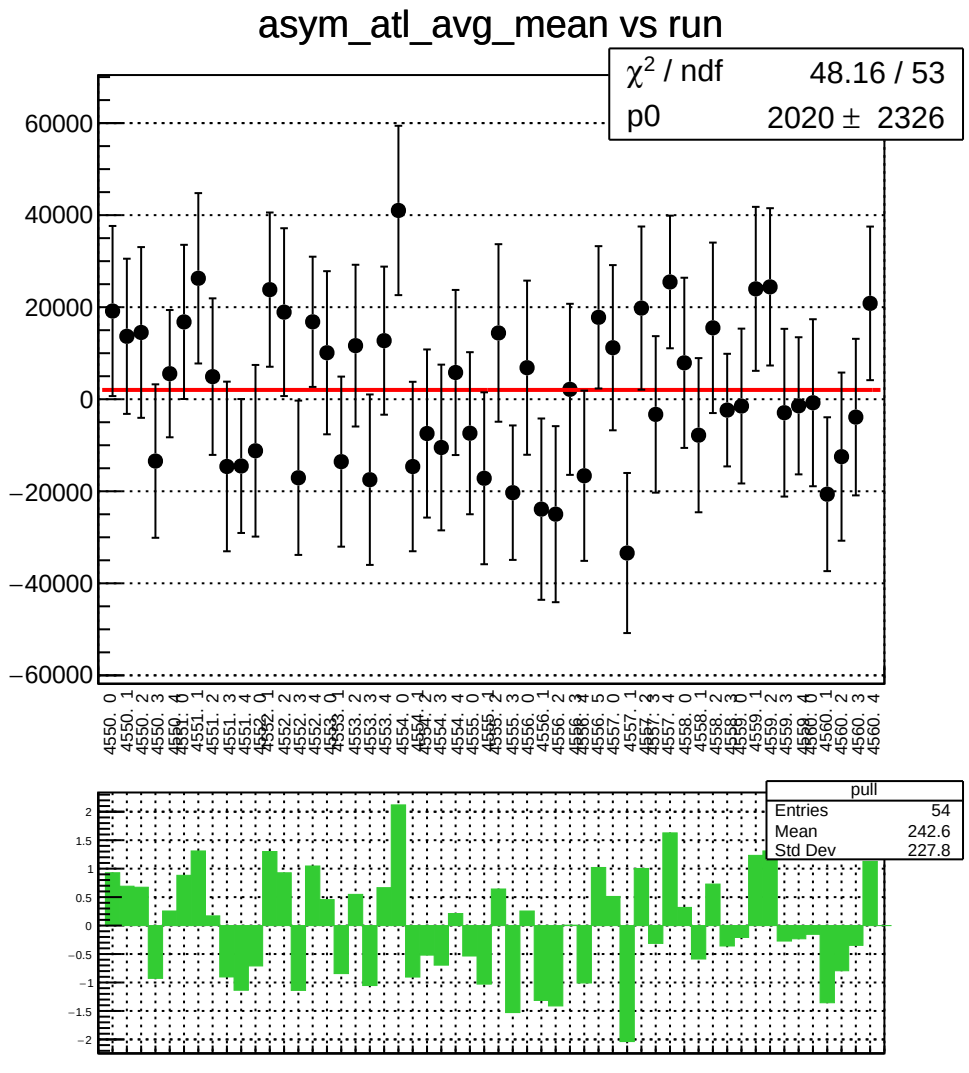

reg_asym_atl_avg_mean vs run
χ² / ndf 60.57 / 53
p0 −520.8 ± 537.4
pull
Entries 54
Mean −36.67
Std Dev 64.44
pull1D
Entries 54
Mean −0.0359
Std Dev 1.059

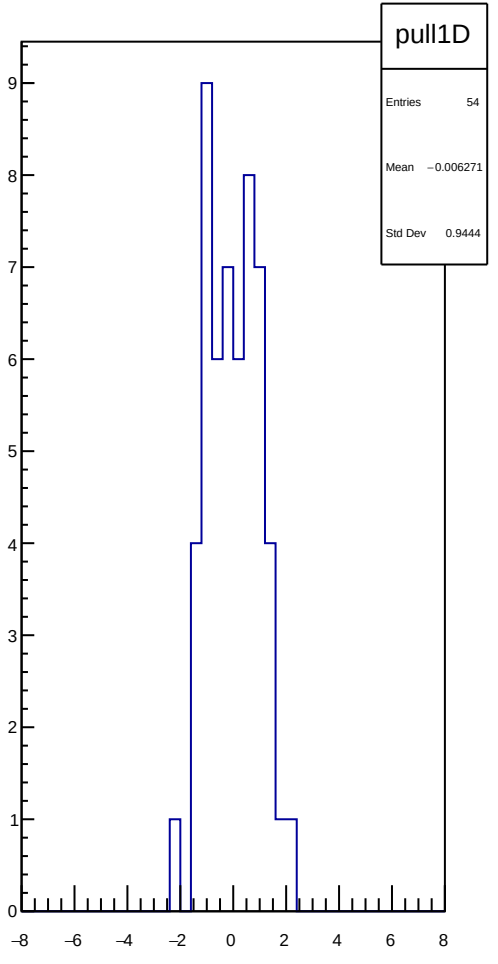

reg_asym_atl_avg_rms vs run
χ² / ndf 319.9 / 53
p0 391.7 ± 0.38
415
410
405
400
395
390
385
380
375
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

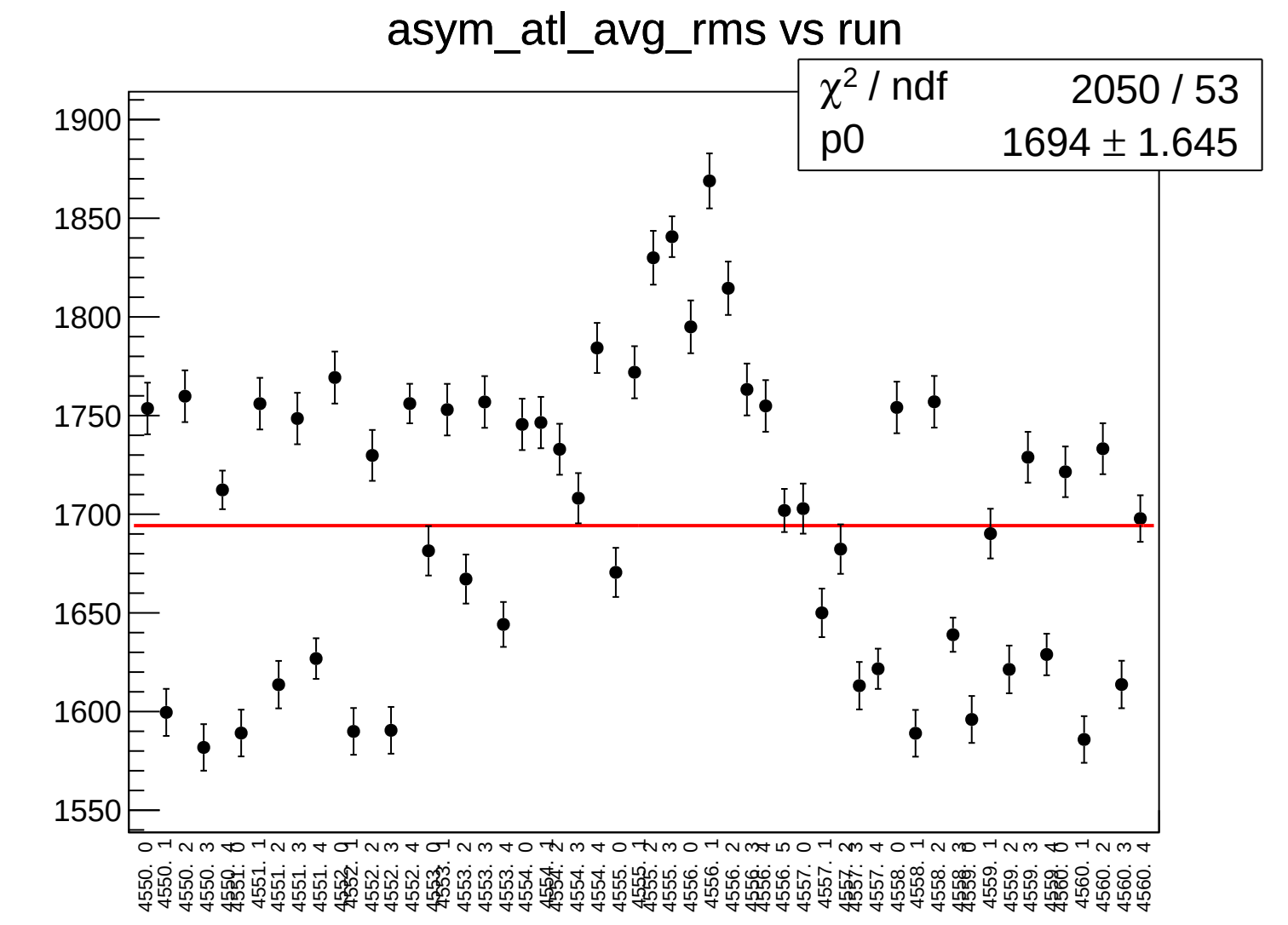

asym_atl_avg_correction_mean vs run
χ² / ndf 50.9 / 53
p0 −2568 ± 2263
pull
Entries 54
Mean −1577
Std Dev 1596

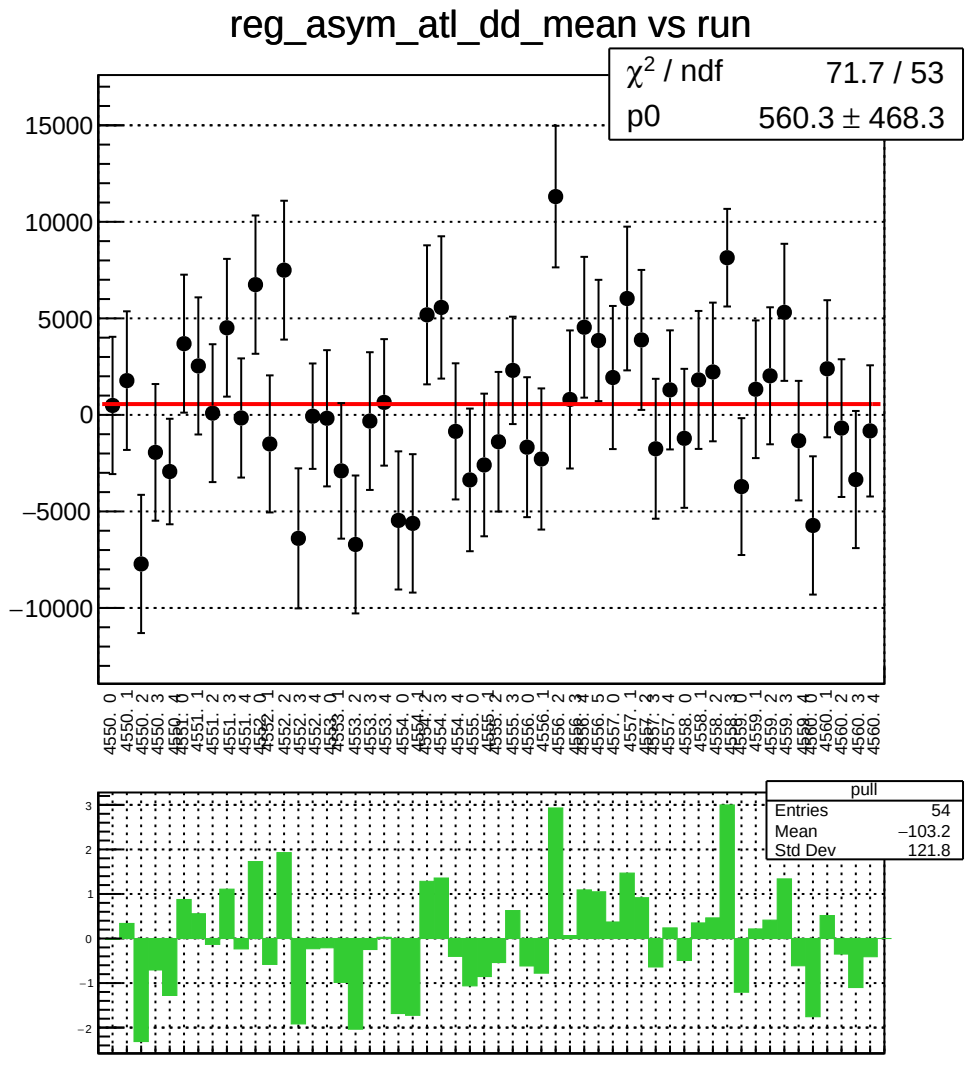

pull1D
Entries 54
Mean −0.001219
Std Dev 0.9708

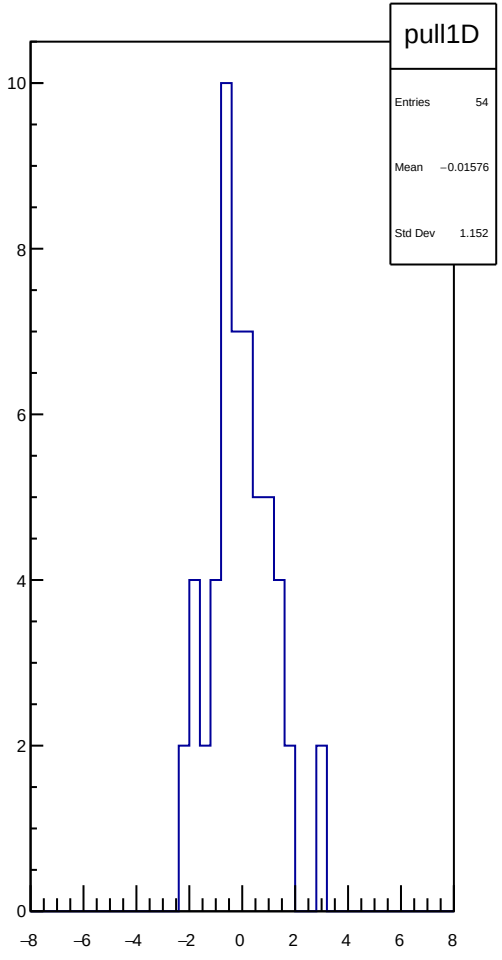

asym_atl_avg_correction_rms vs run
χ² / ndf 2255 / 53
p0 1648 ± 1.6
1850
1800
1750
1700
1650
1600
1550
1500

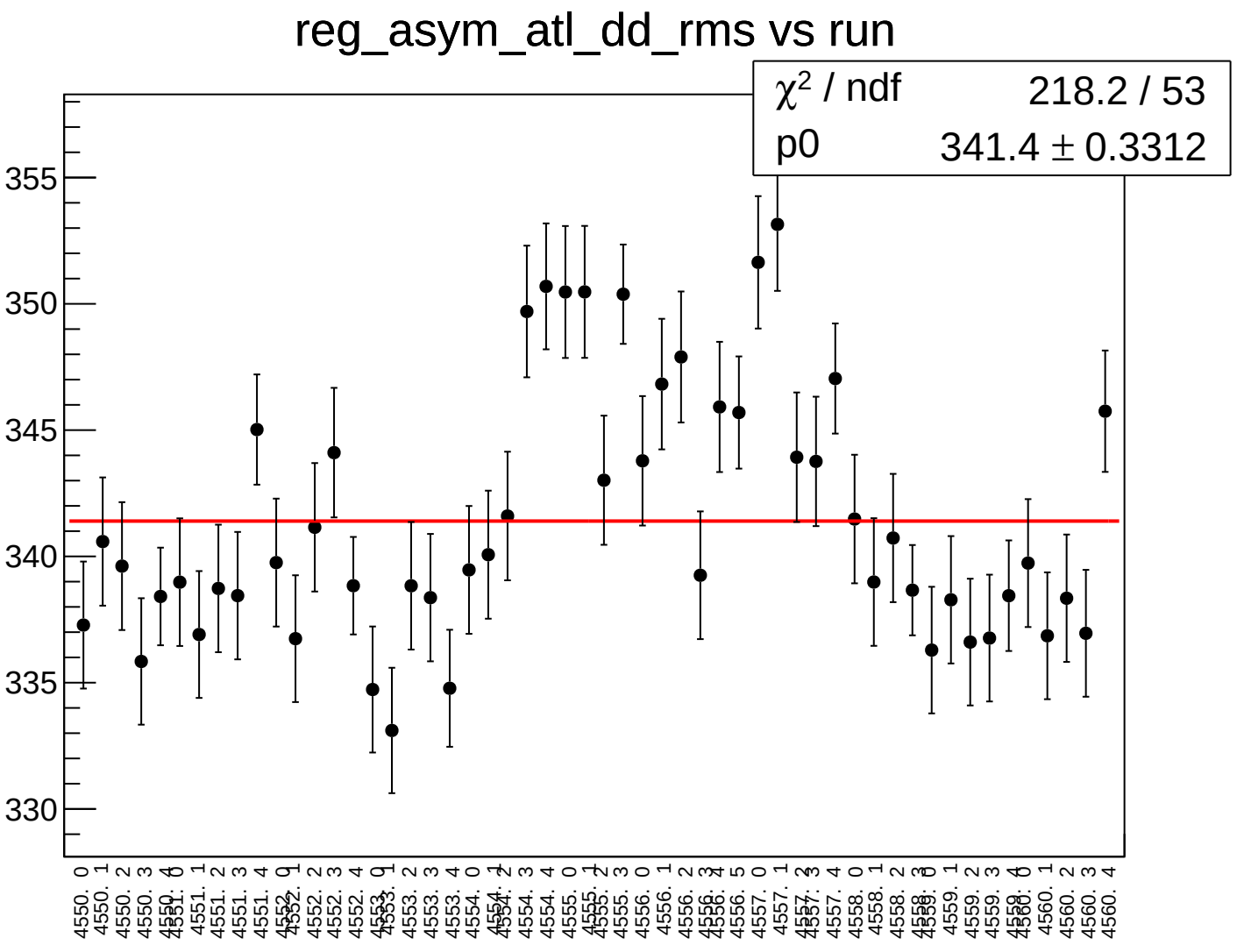

asym_atl_avg_mean vs run
χ² / ndf 48.16 / 53
p0 2020 ± 2326
pull
Entries 54
Mean 242.6
Std Dev 227.8

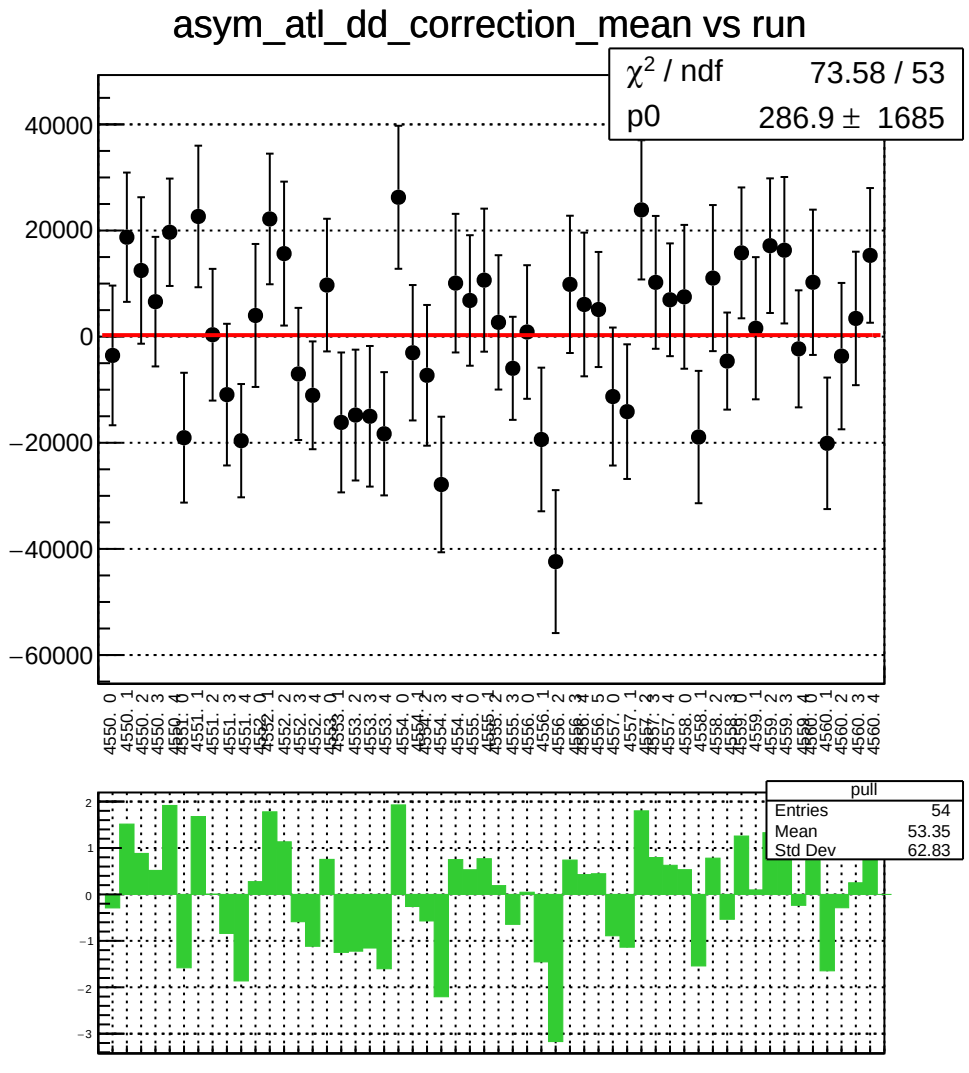

pull1D
Entries 54
Mean −0.006271
Std Dev 0.9444

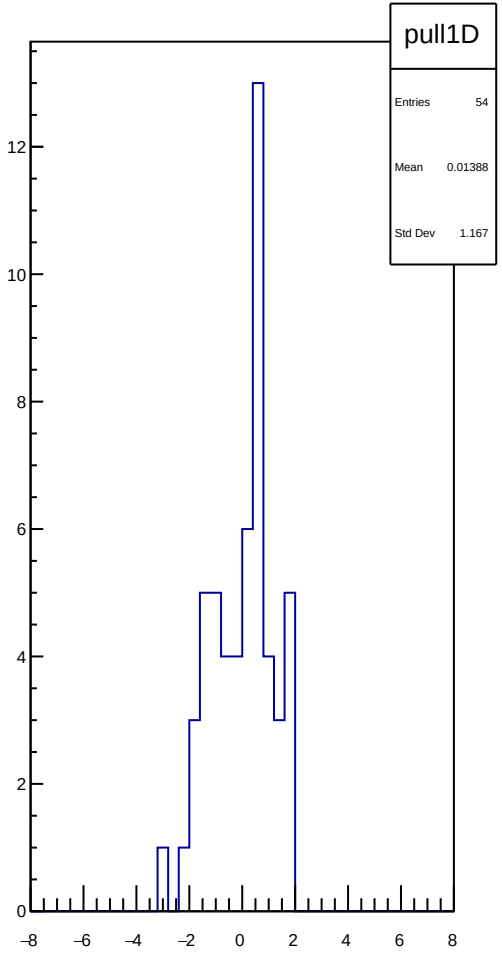

asym_atl_avg_rms vs run
χ² / ndf 2050 / 53
p0 1694 ± 1.645
1900
1850
1800
1750
1700
1650
1600
1550
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

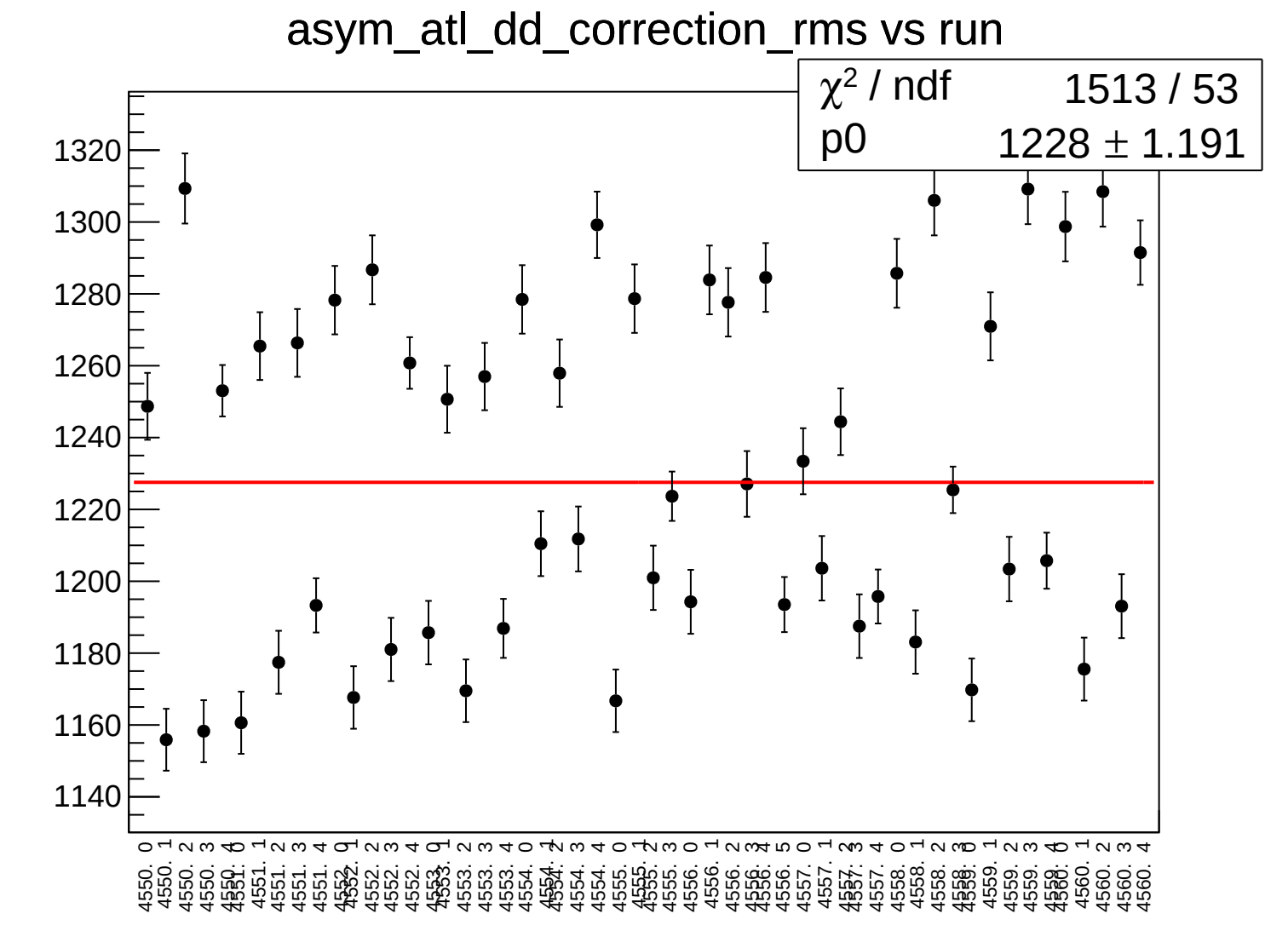

reg_asym_atl_dd_mean vs run
χ² / ndf 71.7 / 53
p0 560.3 ± 468.3
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −103.2
Std Dev 121.8
3
2
1
0
−1
−2

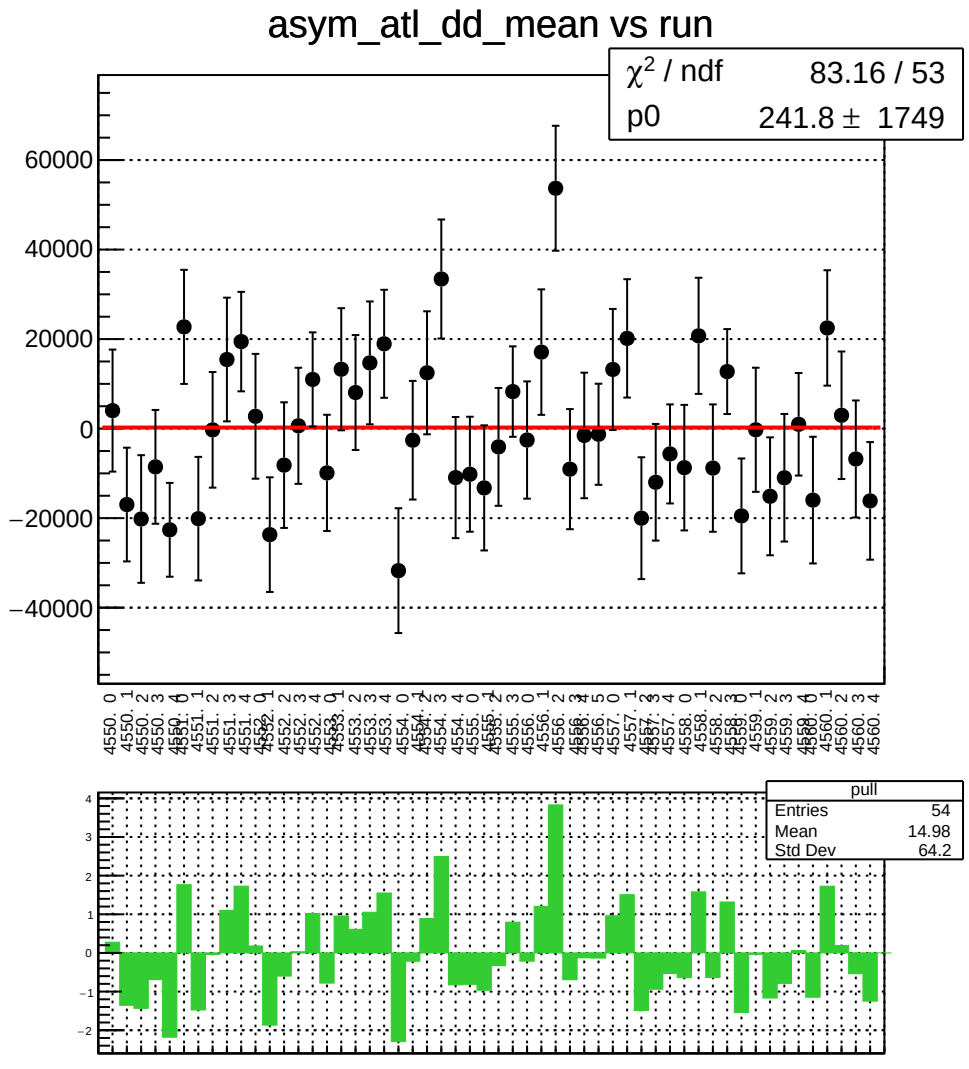

pull1D
Entries 54
Mean −0.01576
Std Dev 1.152
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

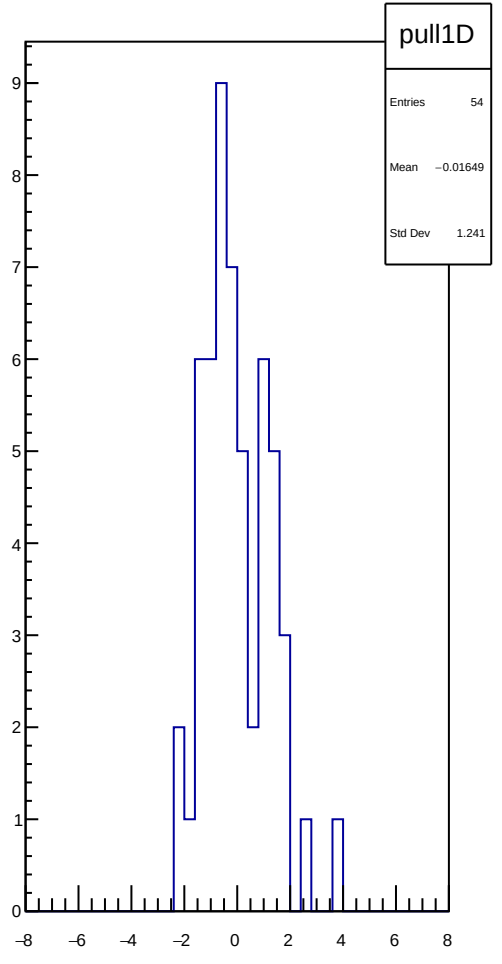

reg_asym_atl_dd_rms vs run
χ² / ndf 218.2 / 53
p0 341.4 ± 0.3312
355
350
345
340
335
330

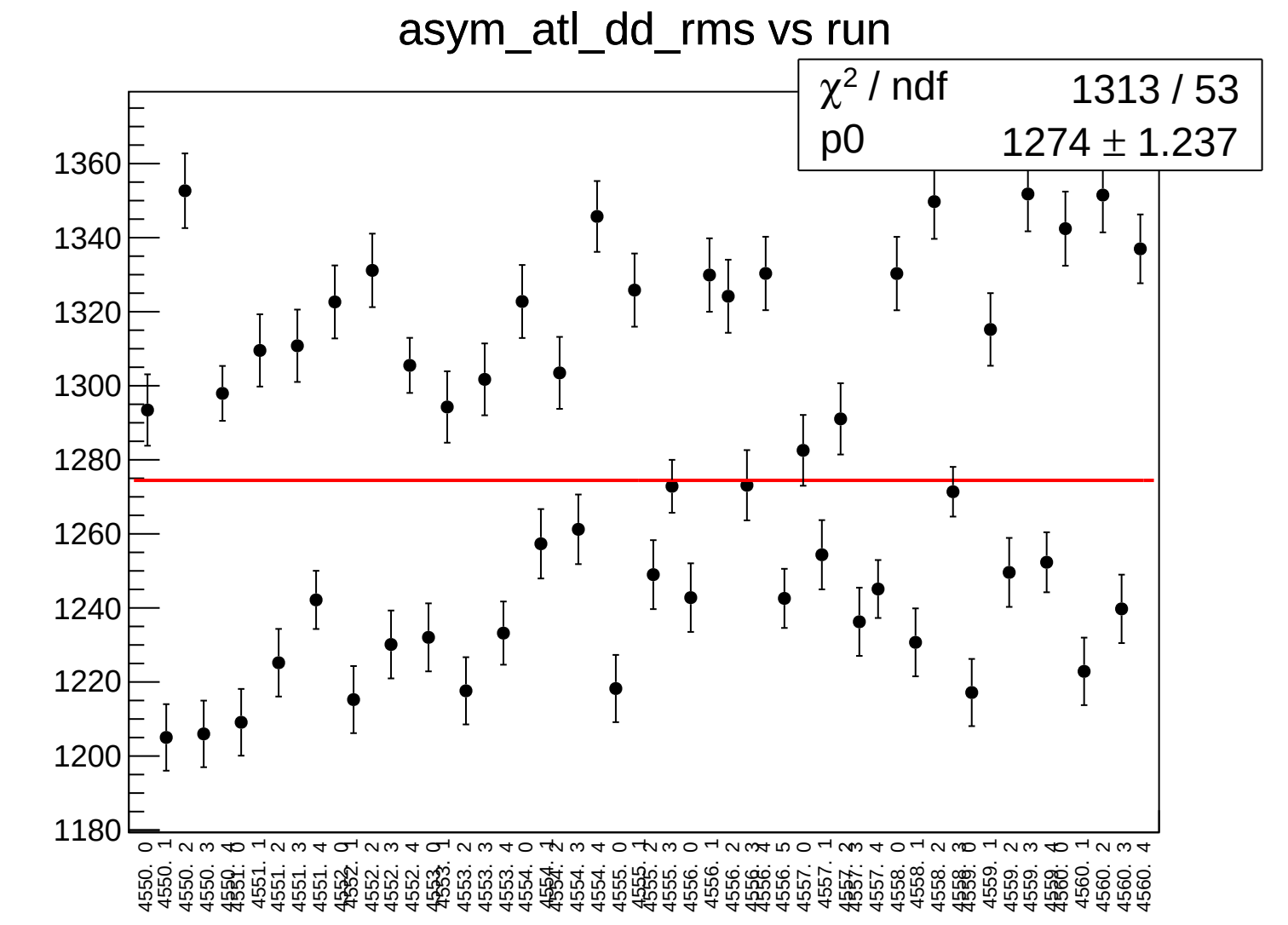

asym_atl_dd_correction_mean vs run
χ² / ndf 73.58 / 53
p0 286.9 ± 1685
pull
Entries 54
Mean 53.35
Std Dev 62.83


pull1D
Entries 54
Mean 0.01388
Std Dev 1.167


asym_atl_dd_correction_rms vs run
χ² / ndf 1513 / 53
p0 1228 ± 1.191
1320
1300
1280
1260
1240
1220
1200
1180
1160
1140
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_atl_dd_mean vs run
χ² / ndf 83.16 / 53
p0 241.8 ± 1749
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 14.98
Std Dev 64.2


pull1D
Entries 54
Mean −0.01649
Std Dev 1.241


asym_atl_dd_rms vs run
χ² / ndf 1313 / 53
p0 1274 ± 1.237
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
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4556. 5
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4557. 2
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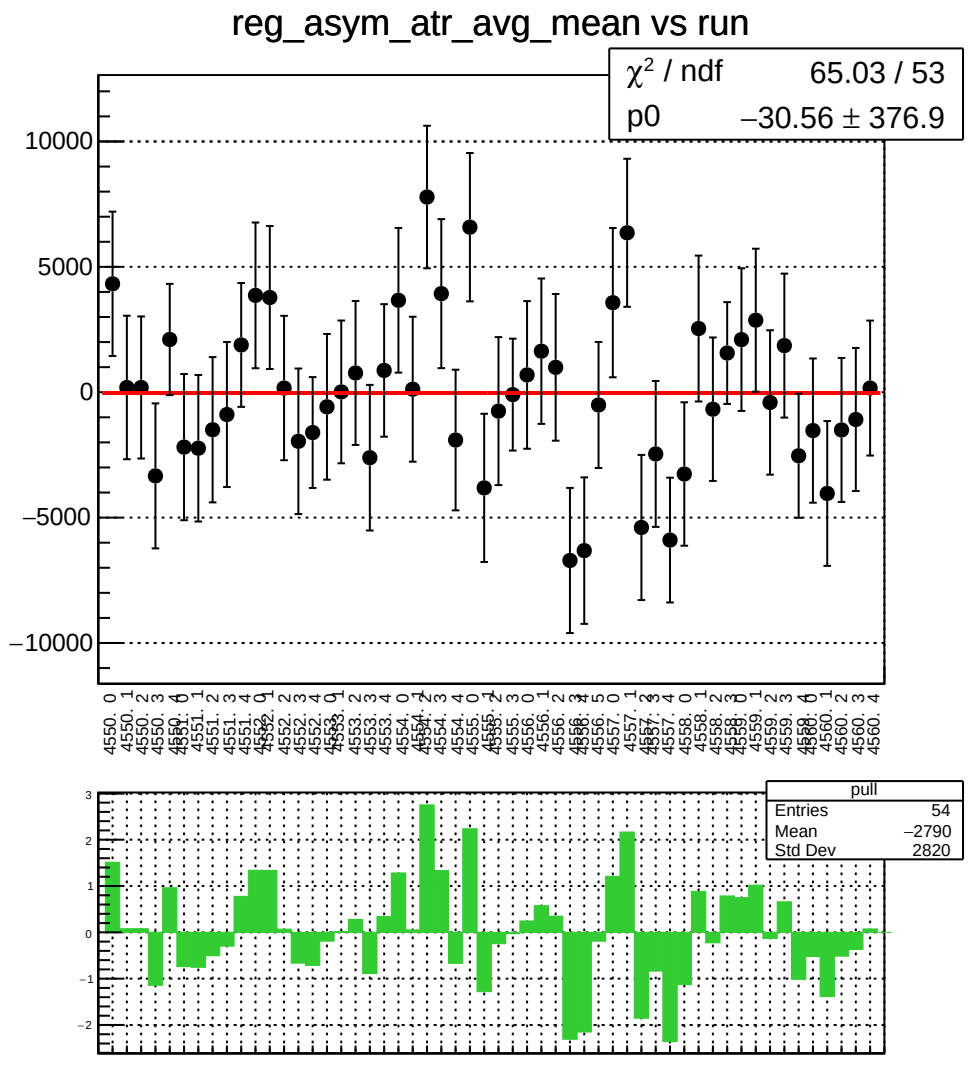
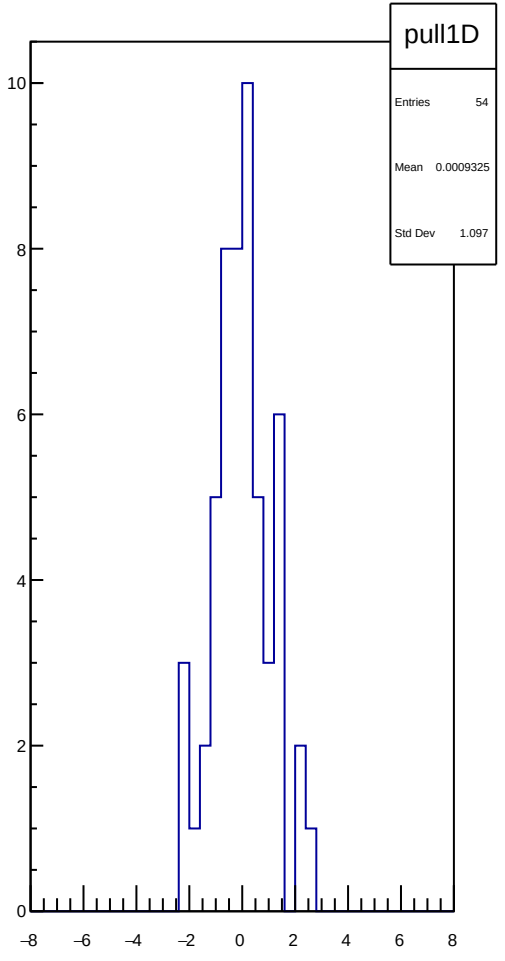
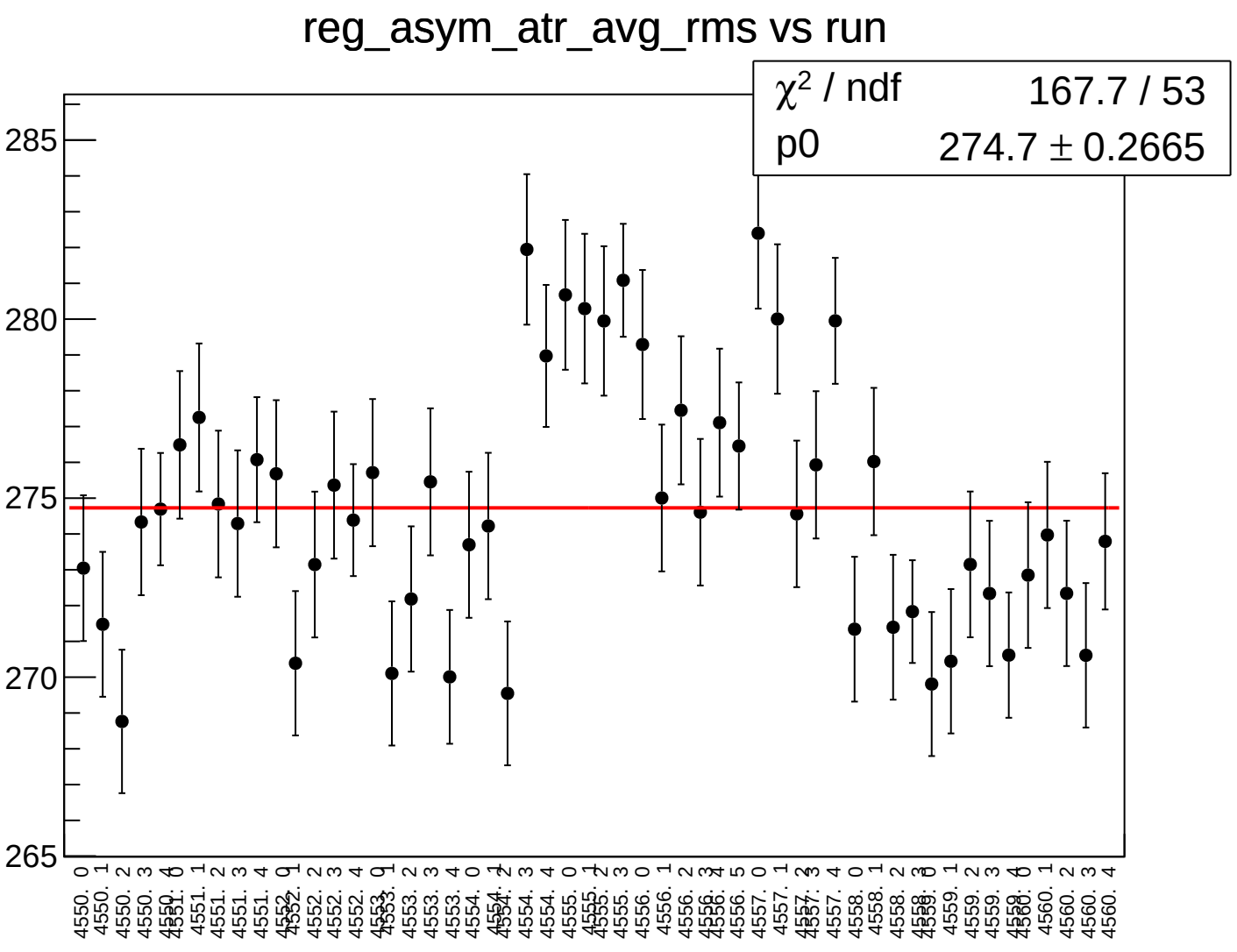
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


reg_asym_atr_avg_mean vs run
χ² / ndf 65.03 / 53
p0 −30.56 ± 376.9
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −2790
Std Dev 2820
3
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.0009325
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr_avg_rms vs run
χ² / ndf 167.7 / 53
p0 274.7 ± 0.2665
285
280
275
270
265
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
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4555. 1
4555. 2
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4556. 3
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4556. 5
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4558. 1
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4558. 3
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4559. 2
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4559. 4
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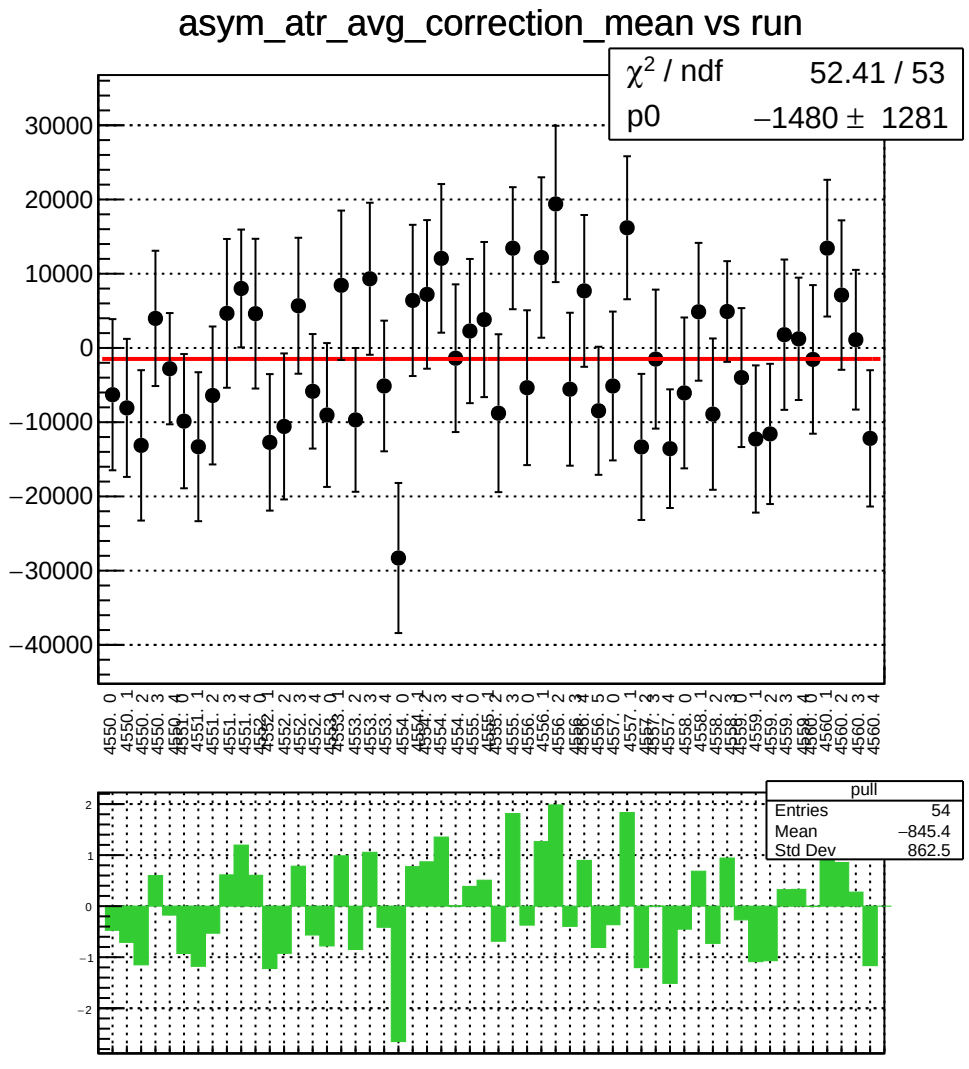
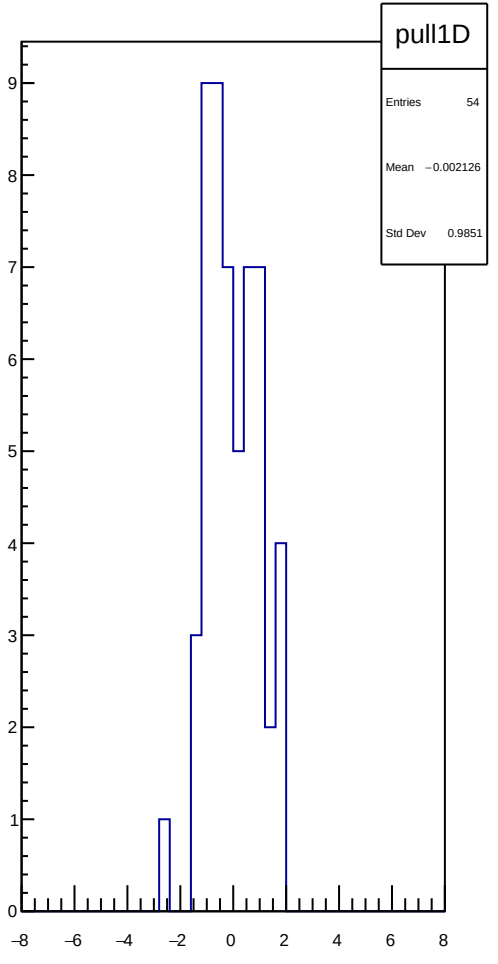
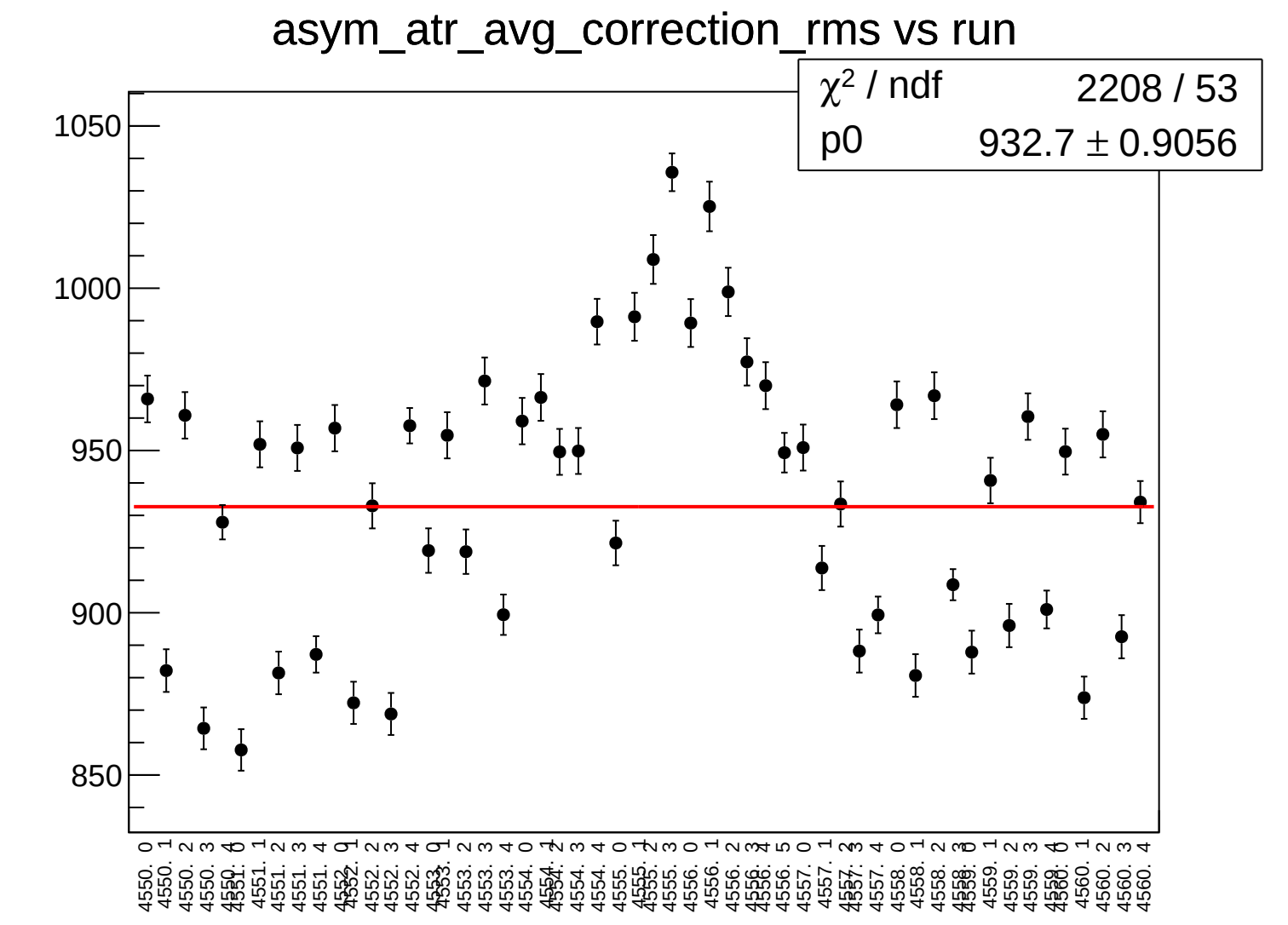
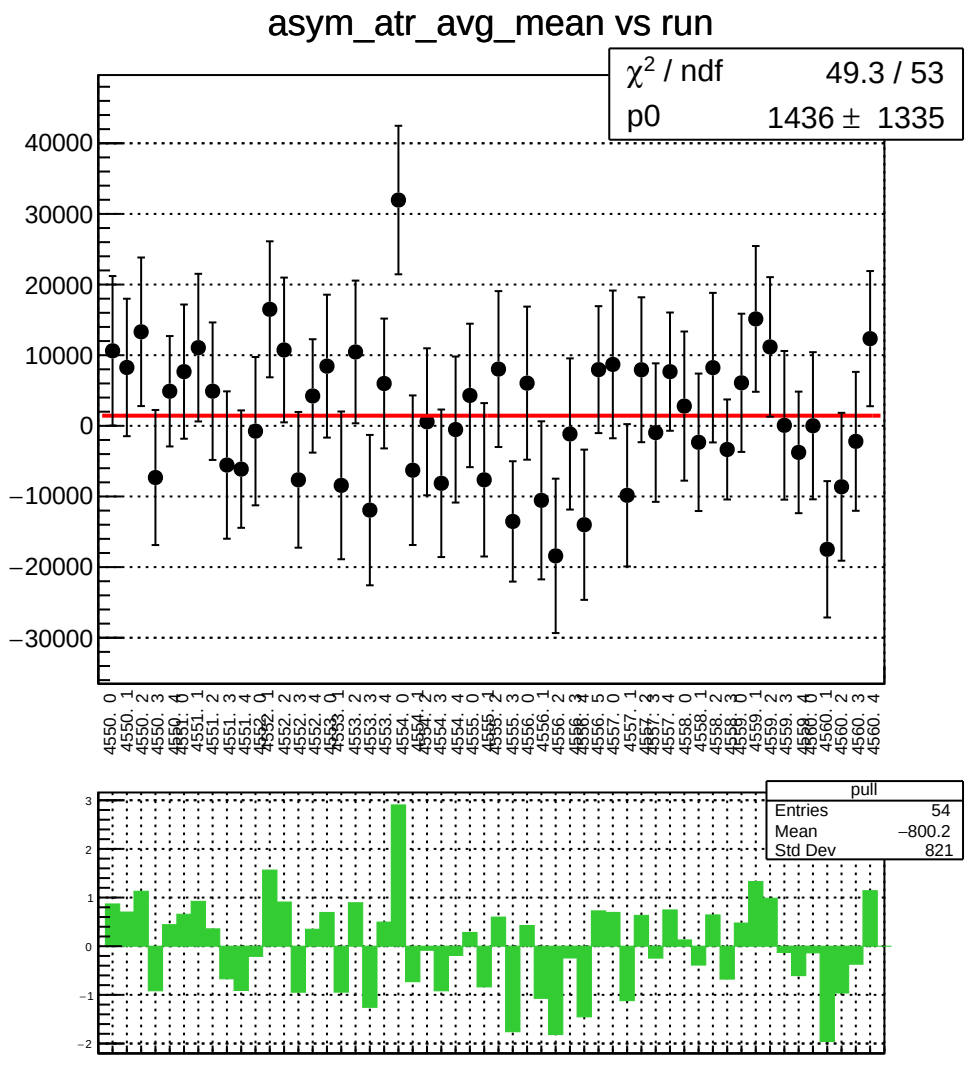
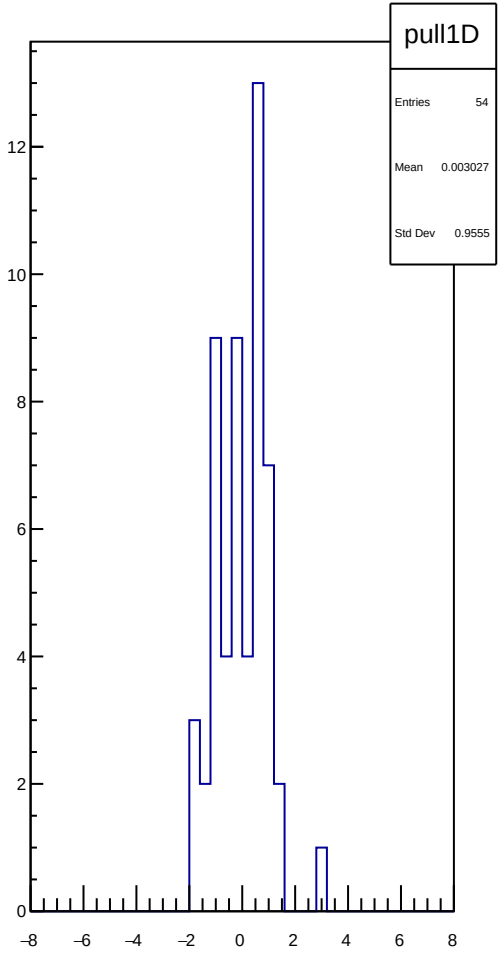
4560. 3
4560. 4

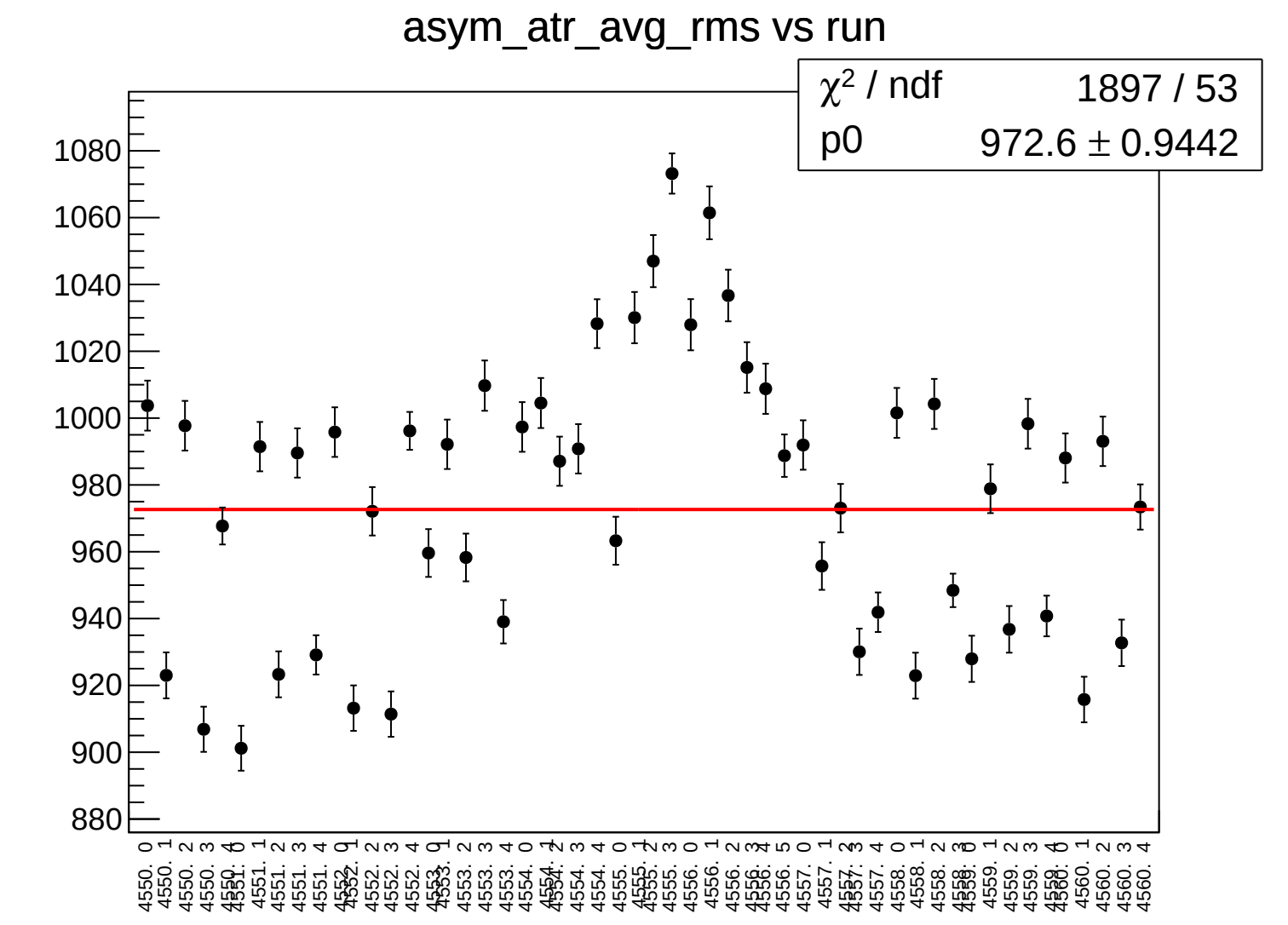

asym_atr_avg_correction_mean vs run
χ² / ndf 52.41 / 53
p0 −1480 ± 1281
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 54
Mean −845.4
Std Dev 862.5
2
1
0
−1
−2

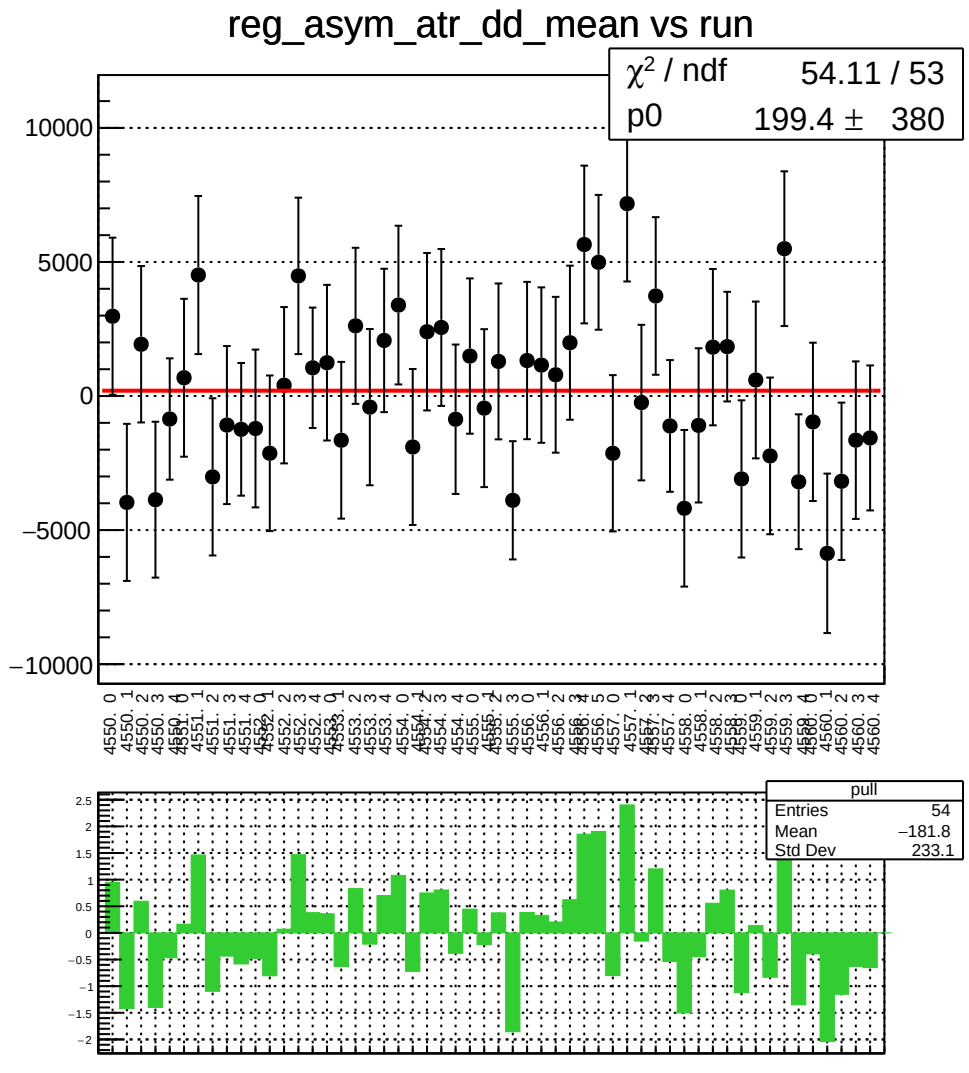

pull1D
Entries 54
Mean −0.002126
Std Dev 0.9851
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

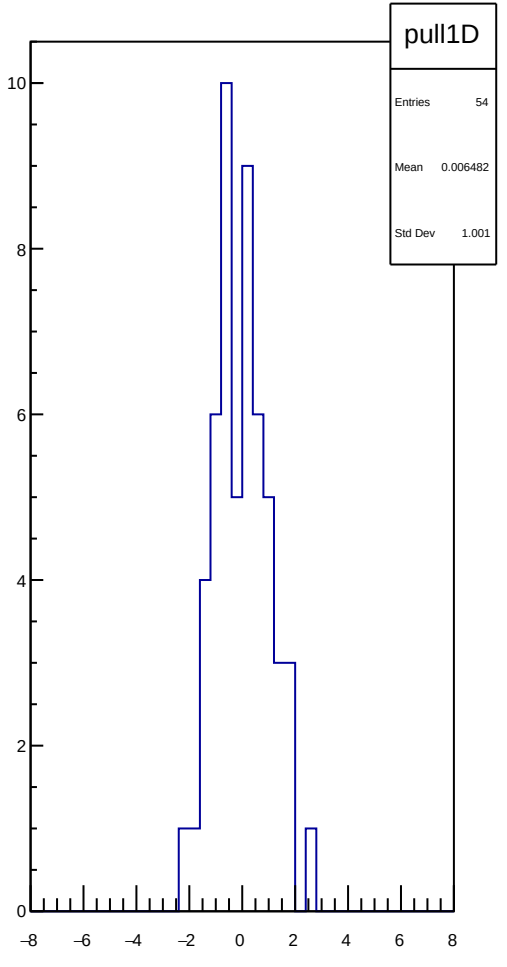

asym_atr_avg_correction_rms vs run
χ² / ndf 2208 / 53
p0 932.7 ± 0.9056
1050
1000
950
900
850

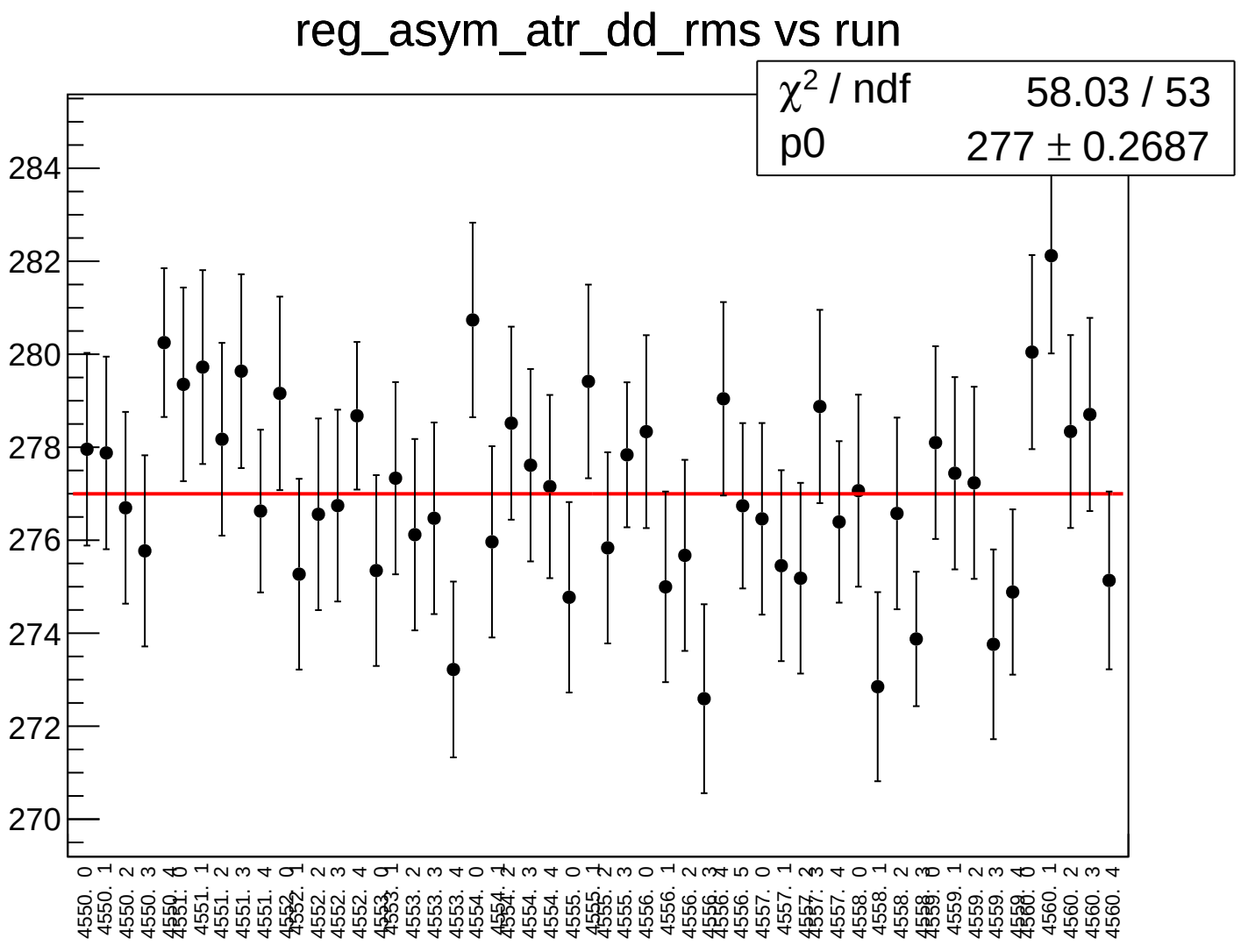

asym_atr_avg_mean vs run
χ² / ndf 49.3 / 53
p0 1436 ± 1335
pull
Entries 54
Mean −800.2
Std Dev 821

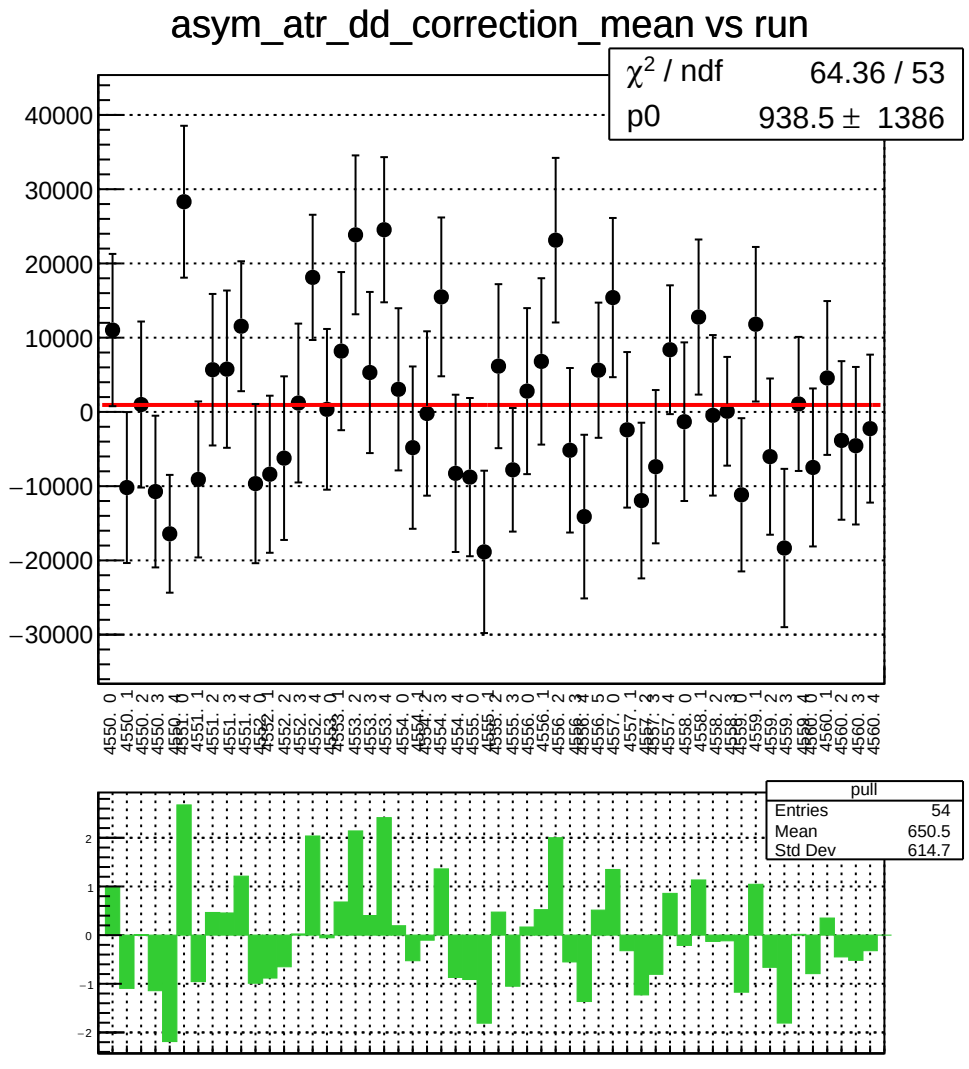

pull1D
Entries 54
Mean 0.003027
Std Dev 0.9555

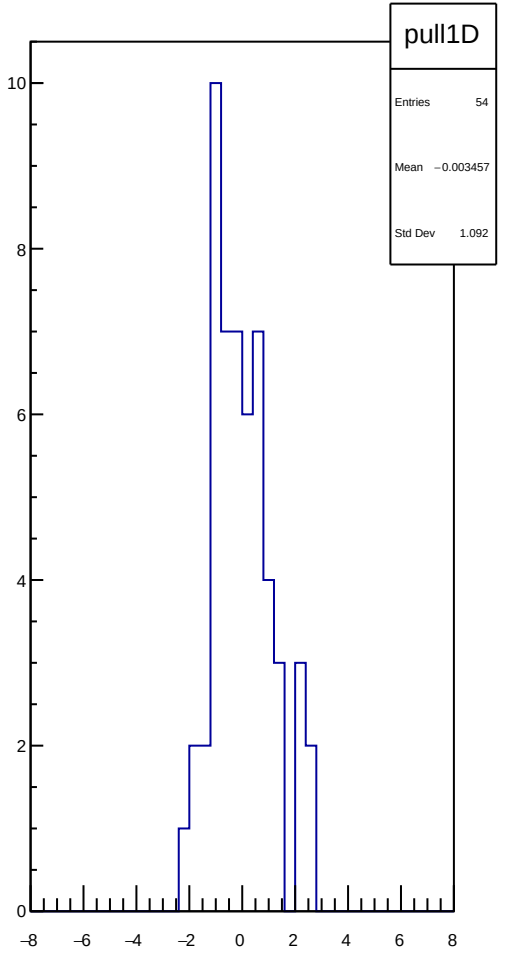

asym_atr_avg_rms vs run
χ² / ndf 1897 / 53
p0 972.6 ± 0.9442
1080
1060
1040
1020
1000
980
960
940
920
900
880
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

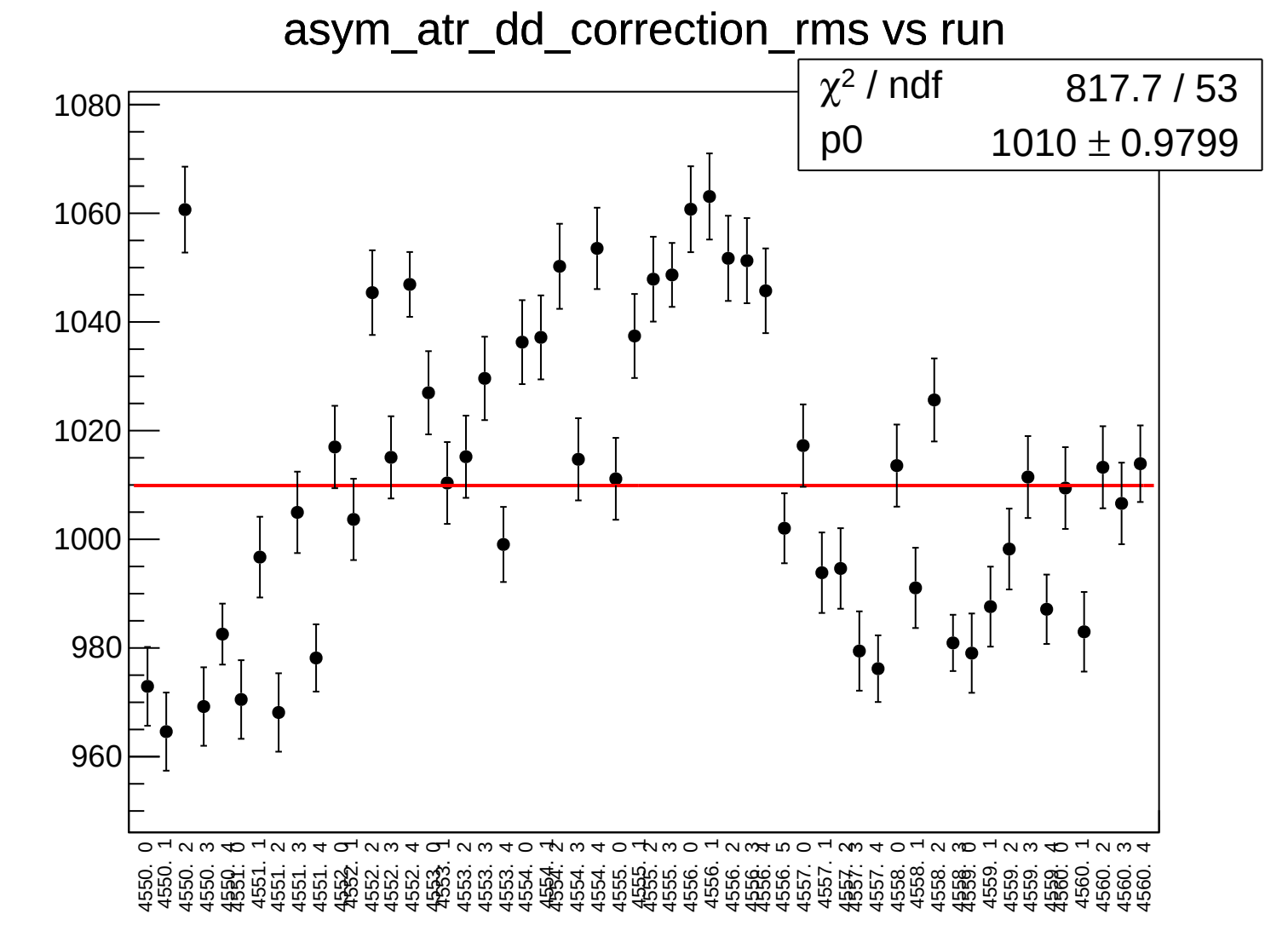

reg_asym_atr_dd_mean vs run
χ^2 / ndf 54.11 / 53
p0 199.4 ± 380
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −181.8
Std Dev 233.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

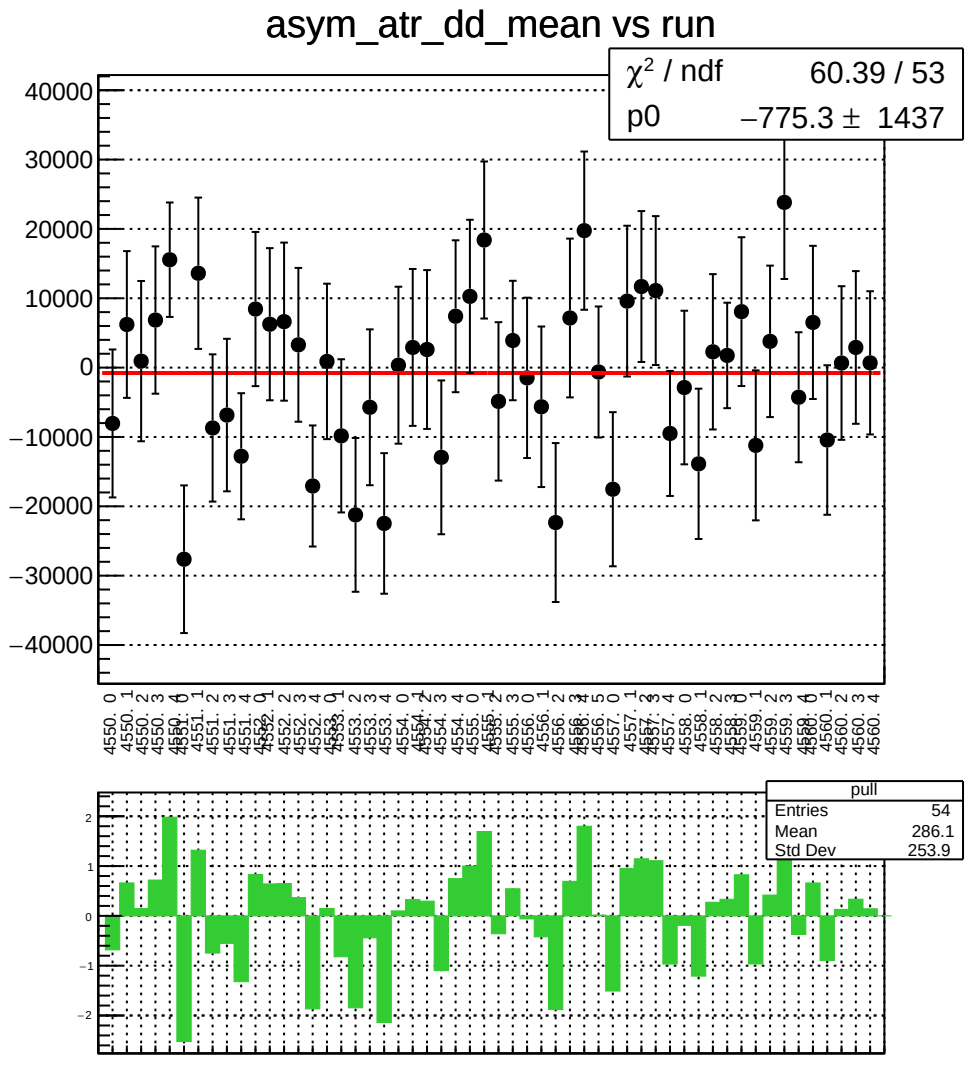

pull1D
Entries 54
Mean 0.006482
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

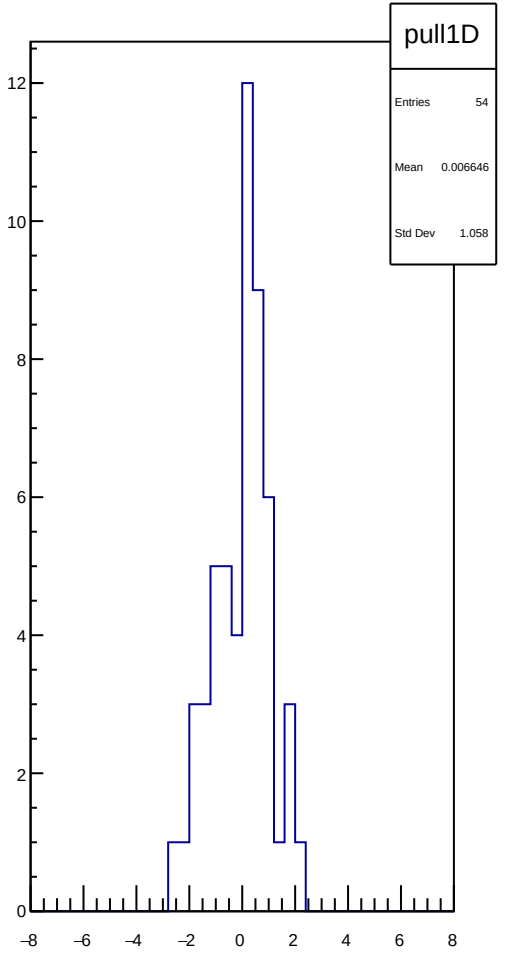

reg_asym_atr_dd_rms vs run
χ² / ndf 58.03 / 53
p0 277 ± 0.2687
284
282
280
278
276
274
272
270

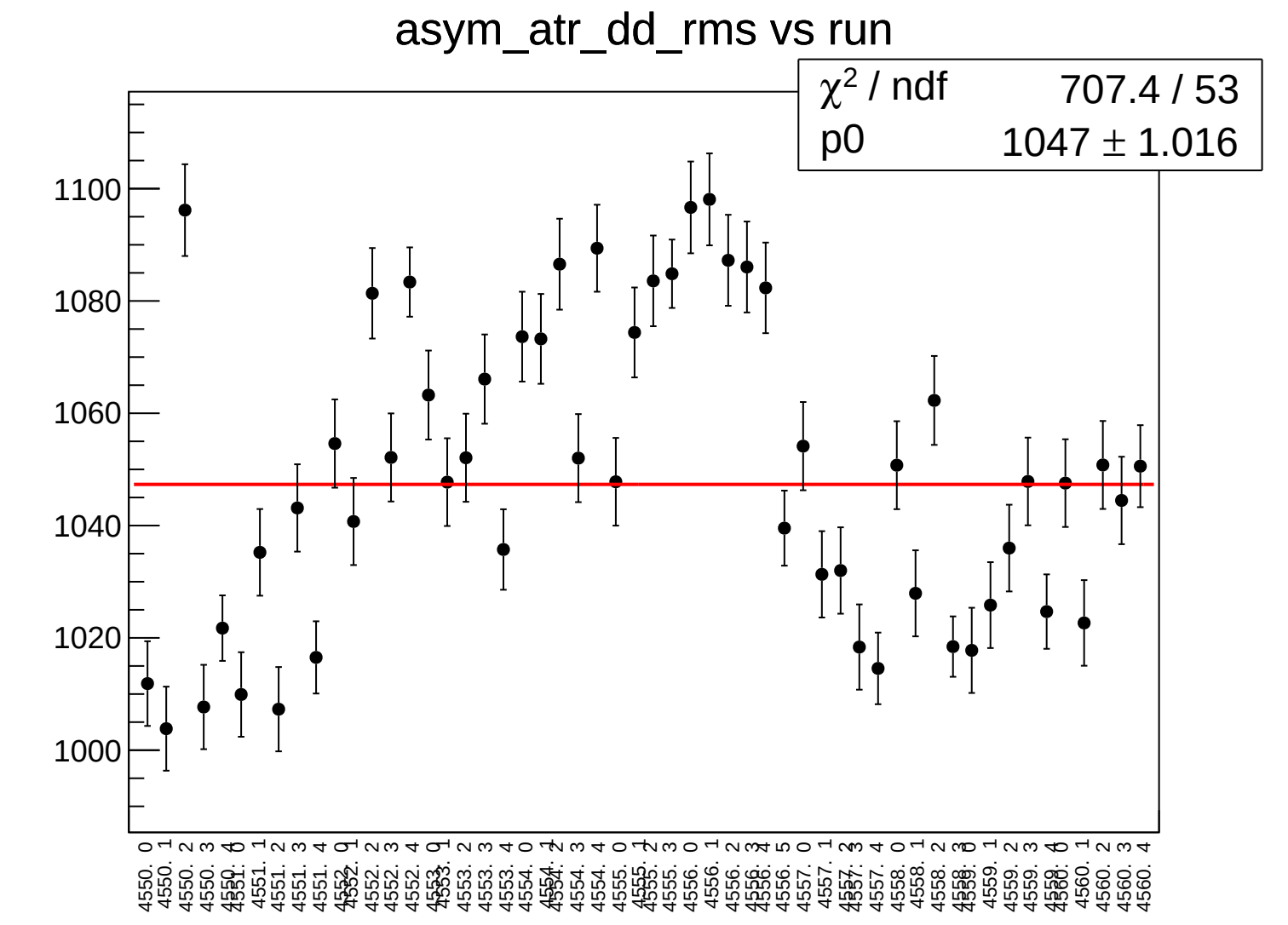

asym_atr_dd_correction_mean vs run
χ² / ndf 64.36 / 53
p0 938.5 ± 1386
pull
Entries 54
Mean 650.5
Std Dev 614.7

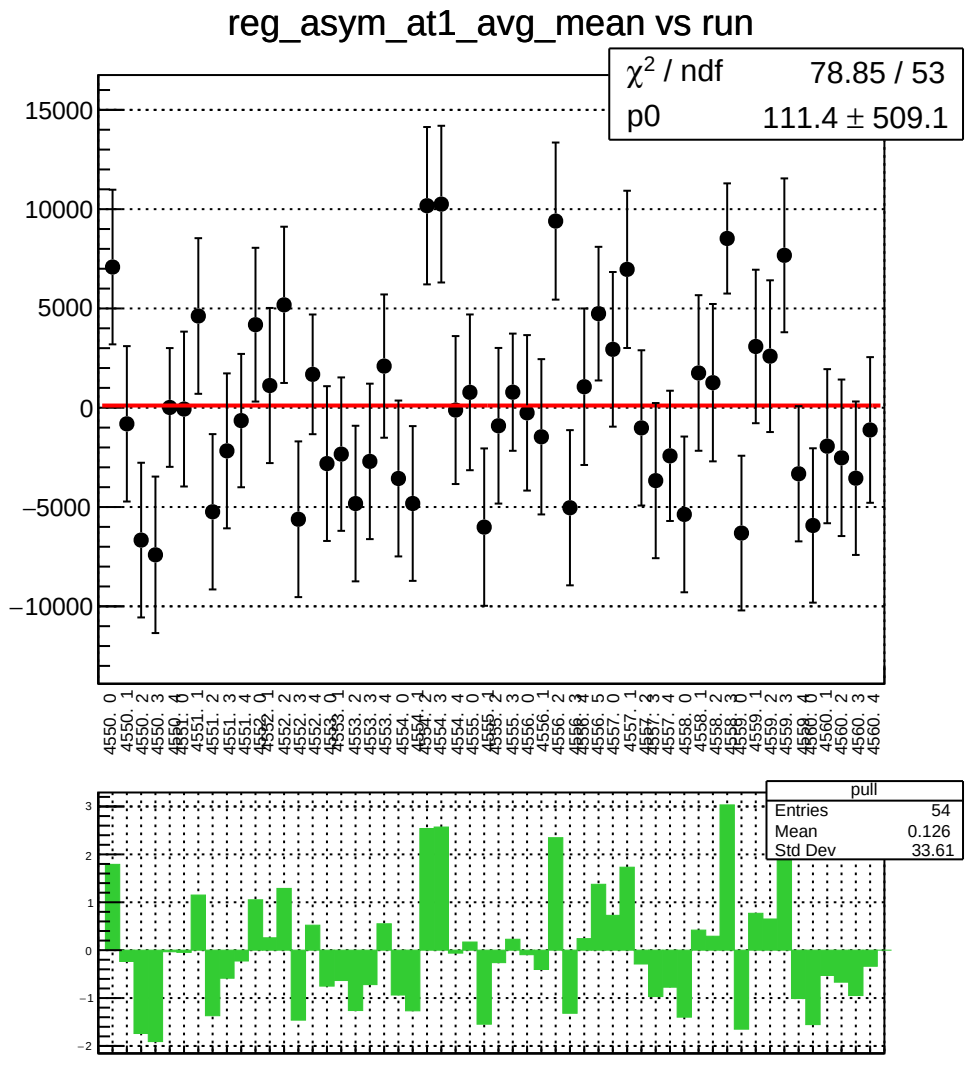

pull1D
Entries 54
Mean −0.003457
Std Dev 1.092

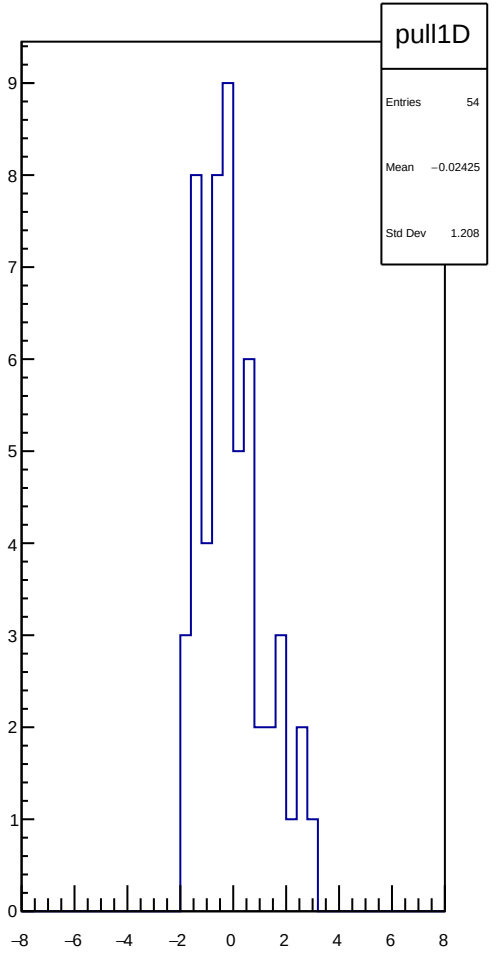

asym_atr_dd_correction_rms vs run
χ² / ndf 817.7 / 53
p0 1010 ± 0.9799
1080
1060
1040
1020
1000
980
960
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

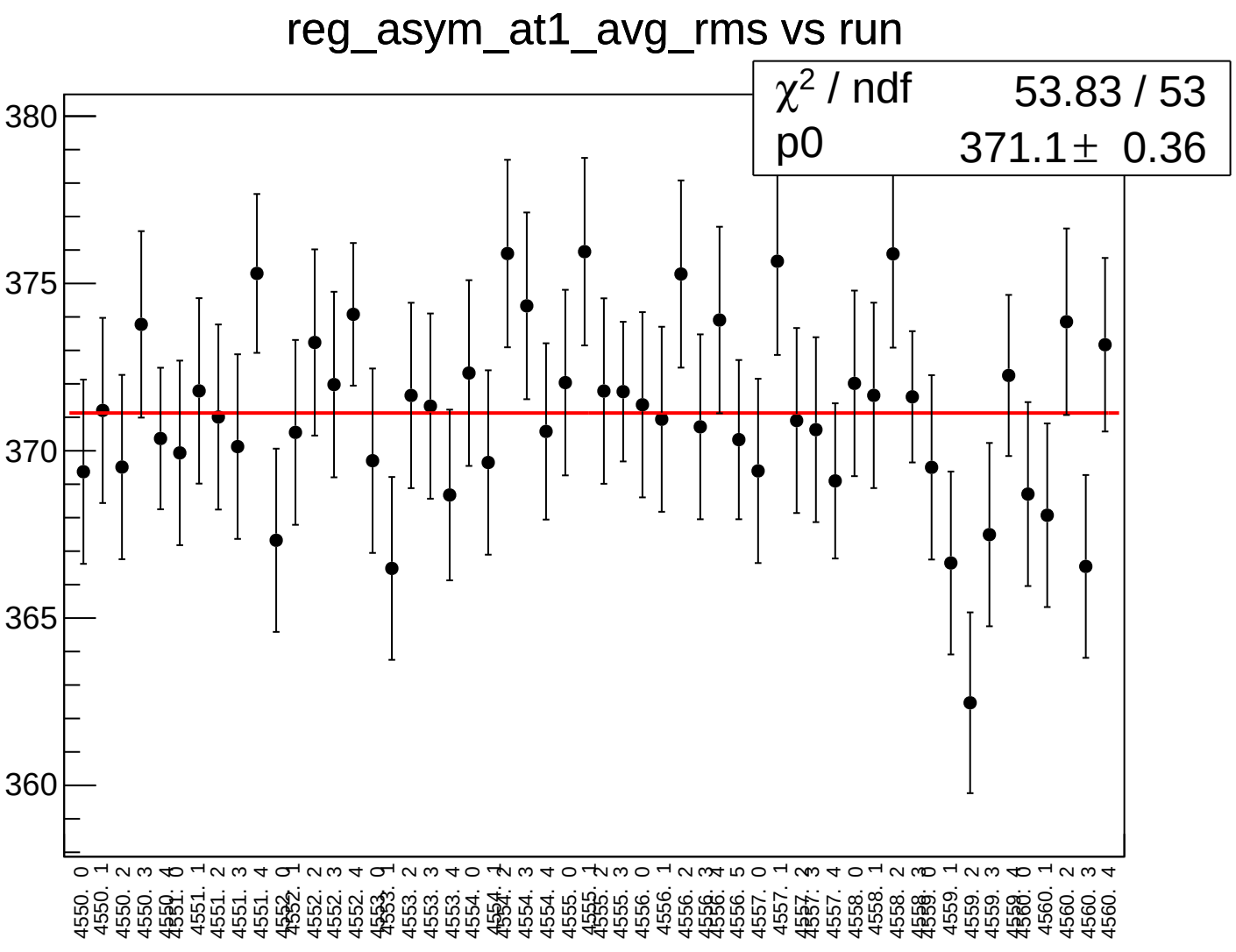

asym_atr_dd_mean vs run
χ² / ndf 60.39 / 53
p0 −775.3 ± 1437
pull
Entries 54
Mean 286.1
Std Dev 253.9

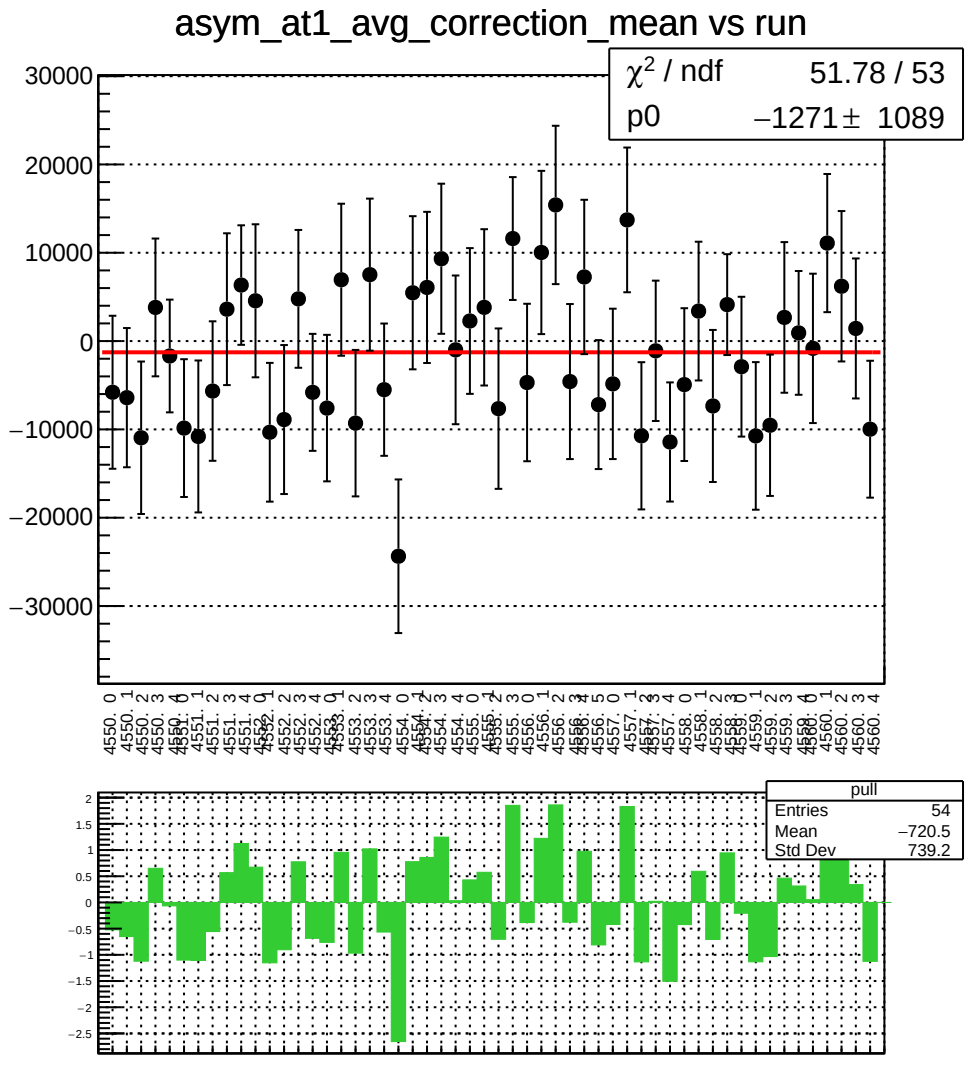

pull1D
Entries 54
Mean 0.006646
Std Dev 1.058

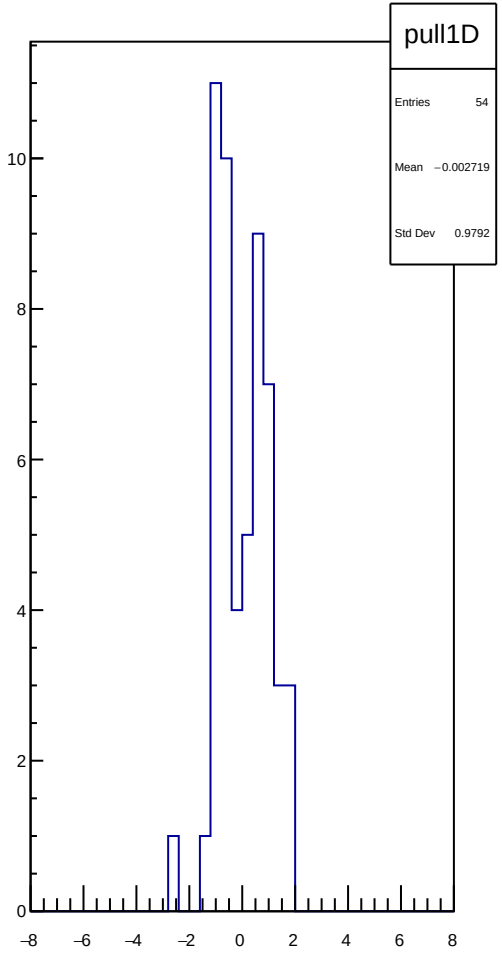

asym_atr_dd_rms vs run
χ² / ndf 707.4 / 53
p0 1047 ± 1.016
1100
1080
1060
1040
1020
1000
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

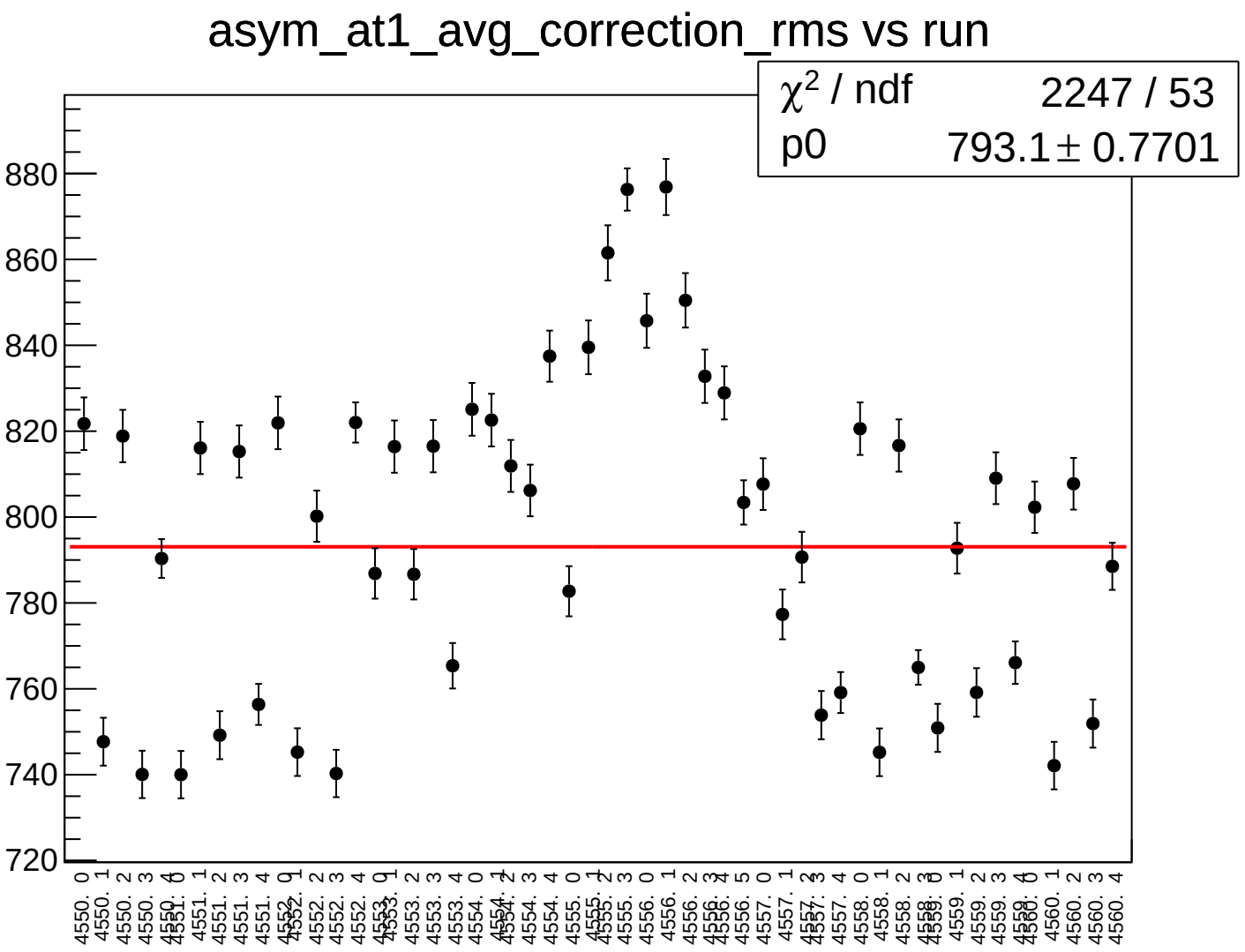

reg_asym_at1_avg_mean vs run
χ² / ndf 78.85 / 53
p0 111.4 ± 509.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 0.126
Std Dev 33.61
3
2
1
0
−1
−2

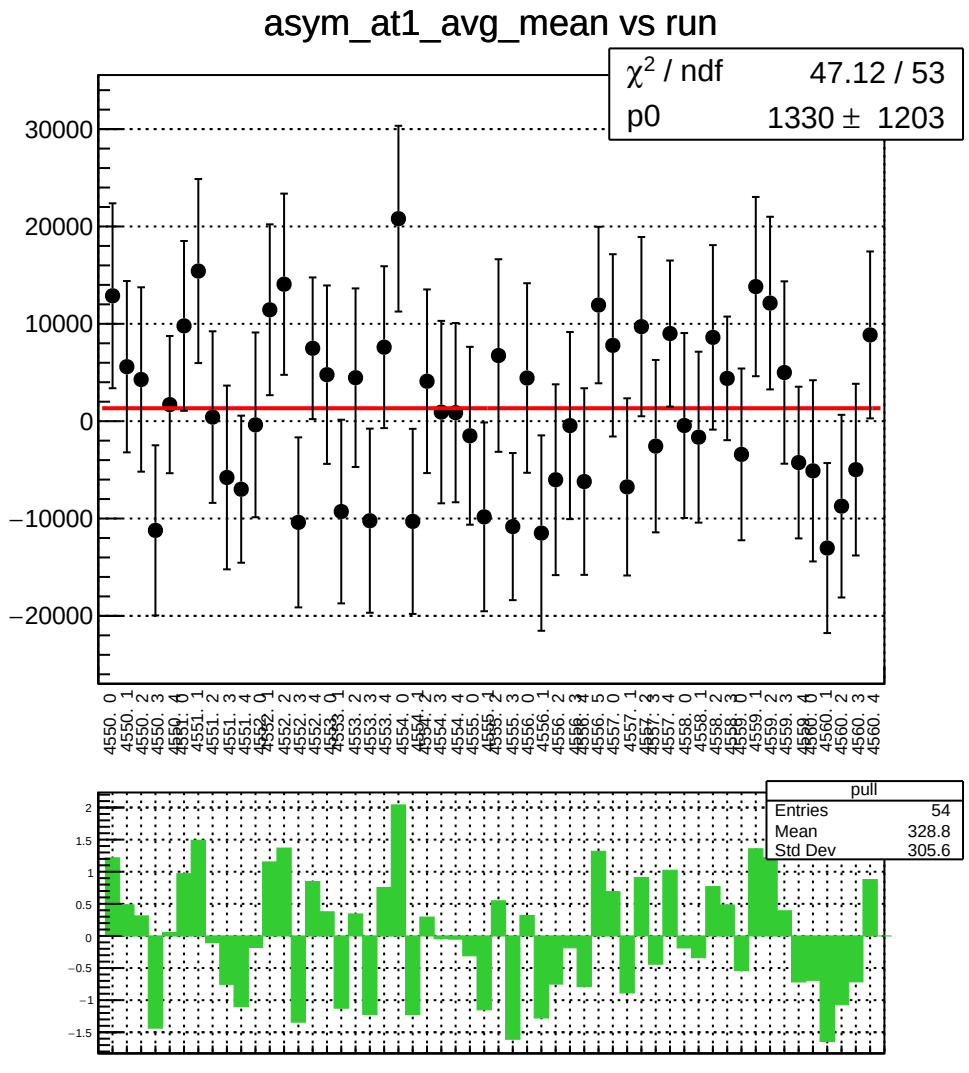

pull1D
Entries 54
Mean −0.02425
Std Dev 1.208
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

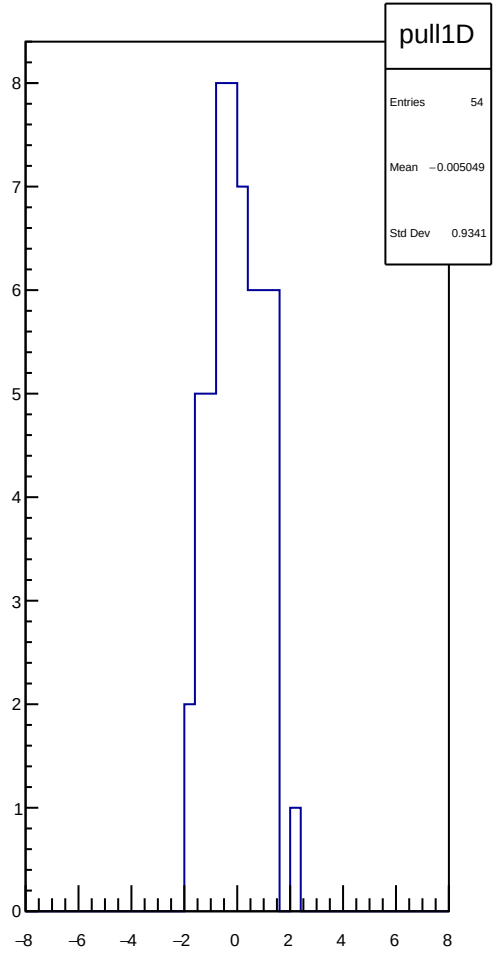

reg_asym_at1_avg_rms vs run
χ² / ndf 53.83 / 53
p0 371.1 ± 0.36
380
375
370
365
360
4550. 0
4550. 1
4550. 2
4550. 3
4551. 1
4551. 2
4551. 3
4551. 4
4552. 2
4552. 3
4552. 4
4553. 2
4553. 3
4553. 4
4554. 0
4554. 3
4554. 4
4555. 0
4555. 3
4556. 0
4556. 1
4556. 2
4556. 5
4557. 0
4557. 1
4557. 4
4558. 0
4558. 1
4558. 2
4559. 1
4559. 2
4559. 3
4560. 1
4560. 2
4560. 3
4560. 4

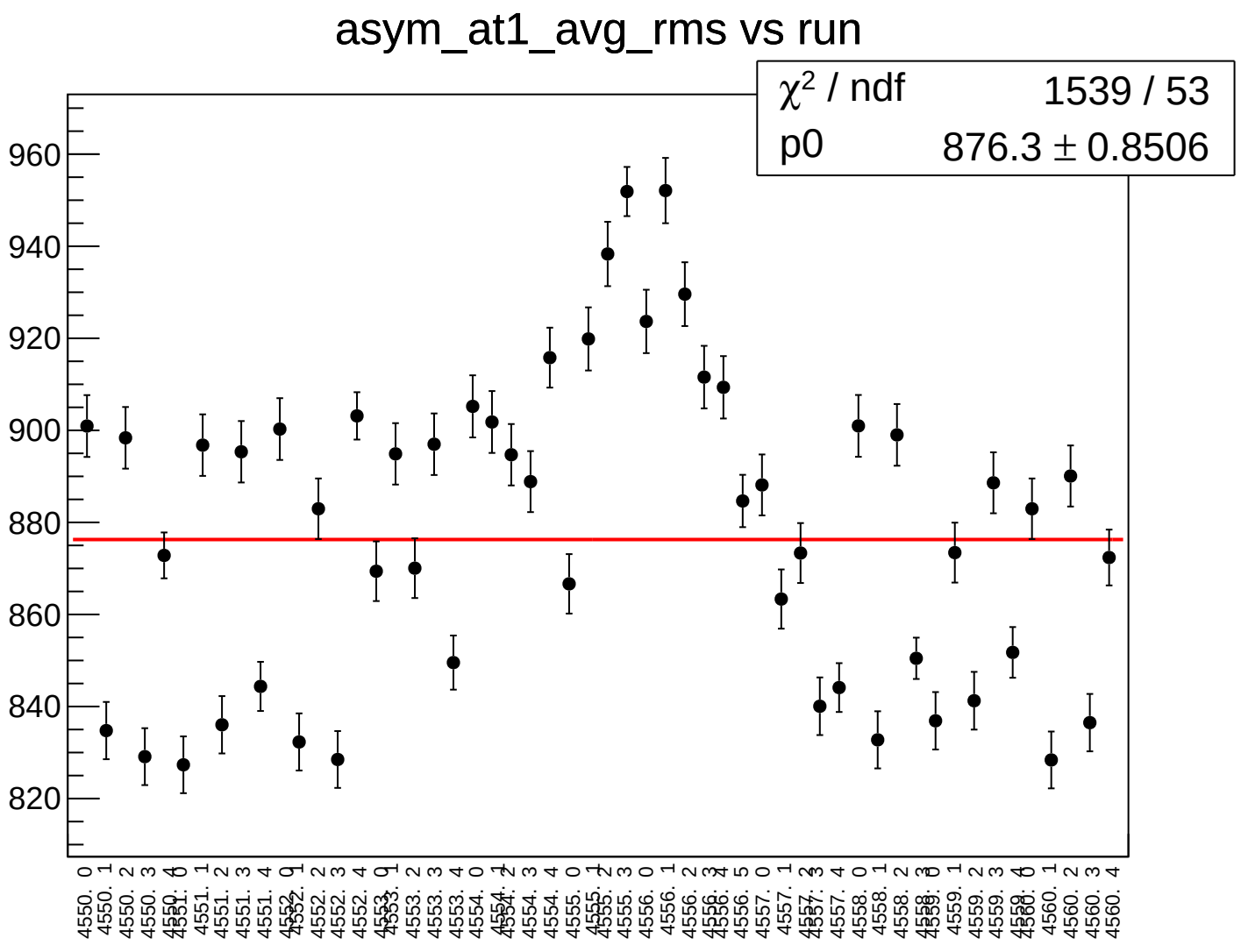

asym_at1_avg_correction_mean vs run
χ² / ndf 51.78 / 53
p0 −1271 ± 1089
pull
Entries 54
Mean −720.5
Std Dev 739.2

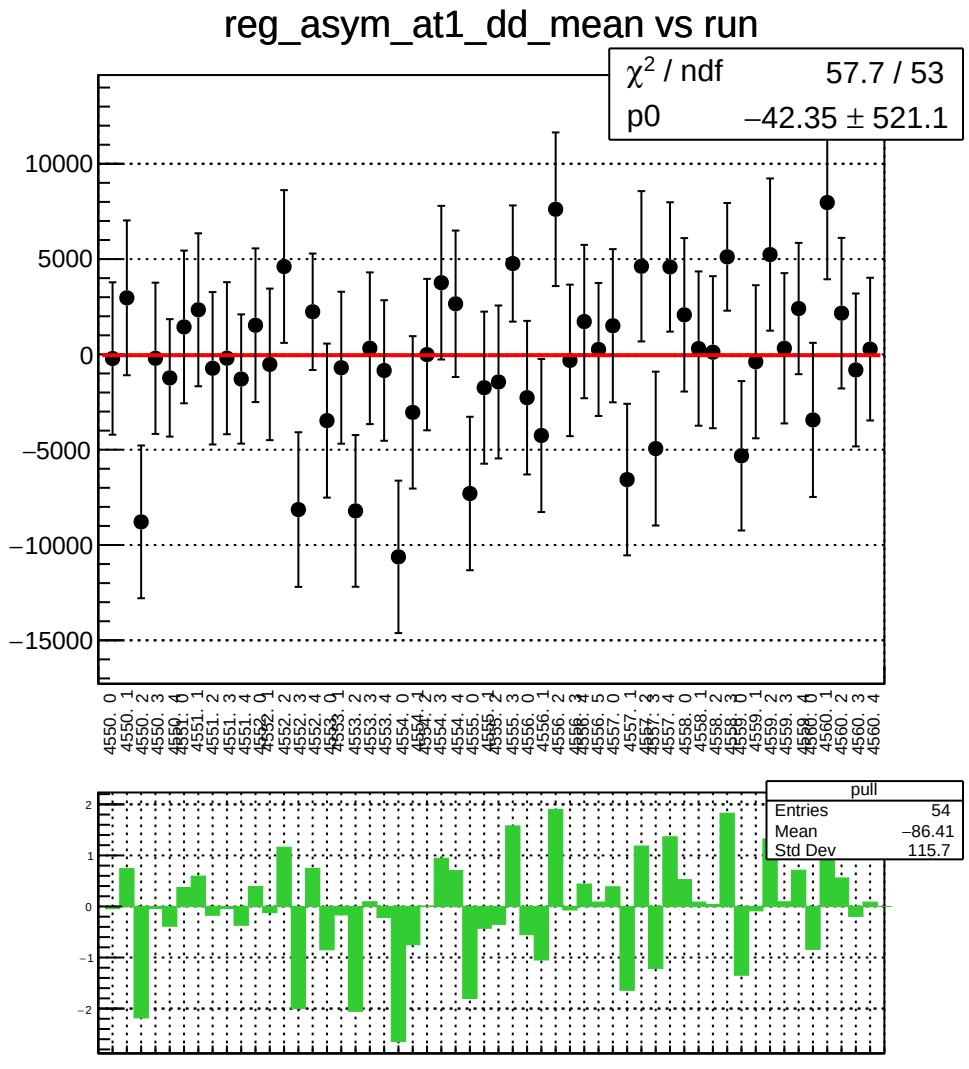

pull1D
Entries 54
Mean −0.002719
Std Dev 0.9792

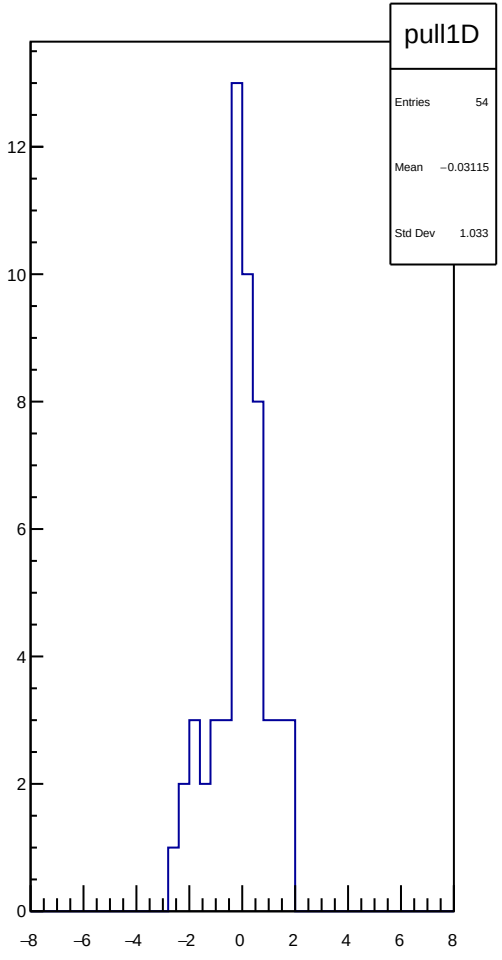

asym_at1_avg_correction_rms vs run
χ² / ndf 2247 / 53
p0 793.1 ± 0.7701
880
860
840
820
800
780
760
740
720

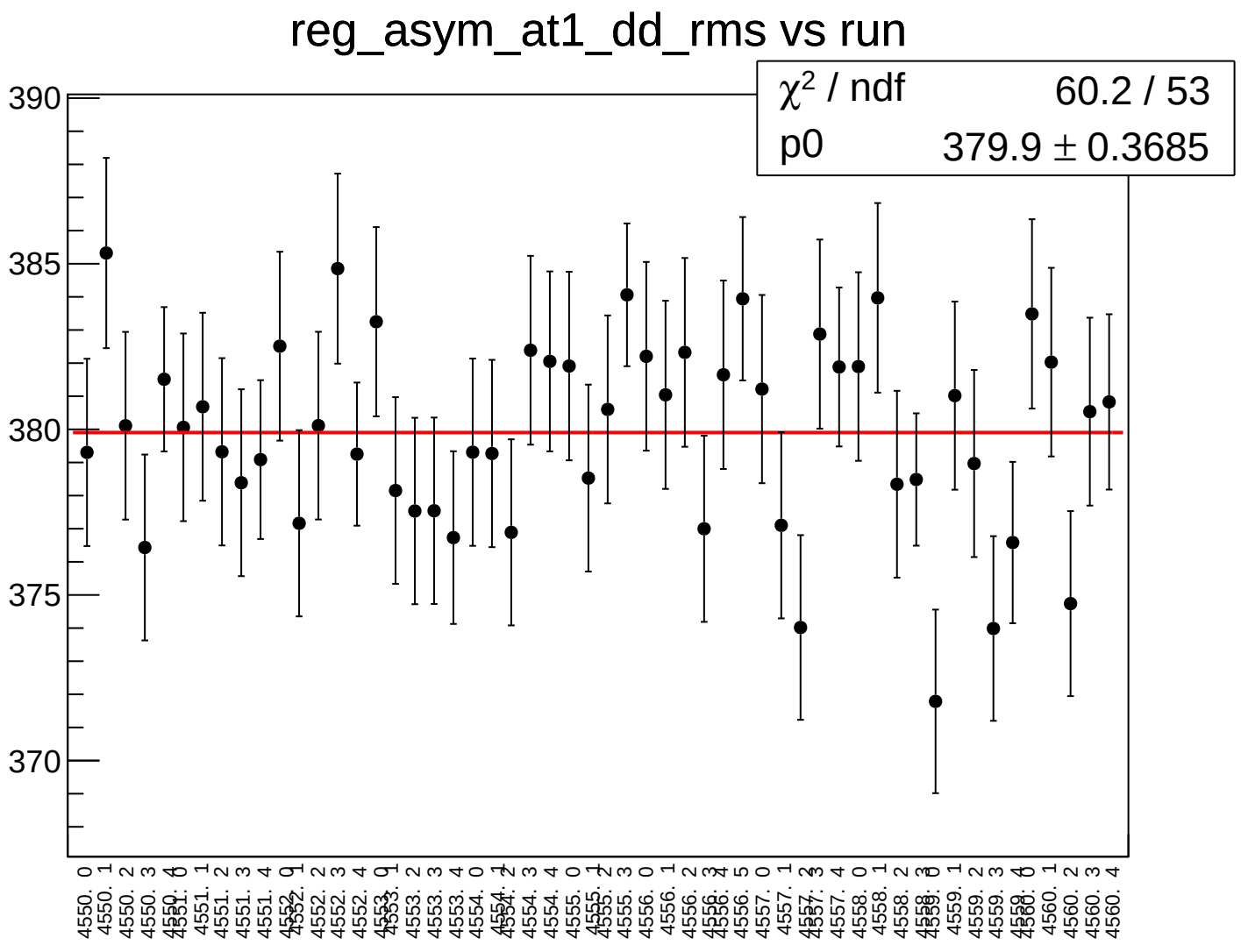

asym_at1_avg_mean vs run
χ² / ndf 47.12 / 53
p0 1330 ± 1203
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 328.8
Std Dev 305.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

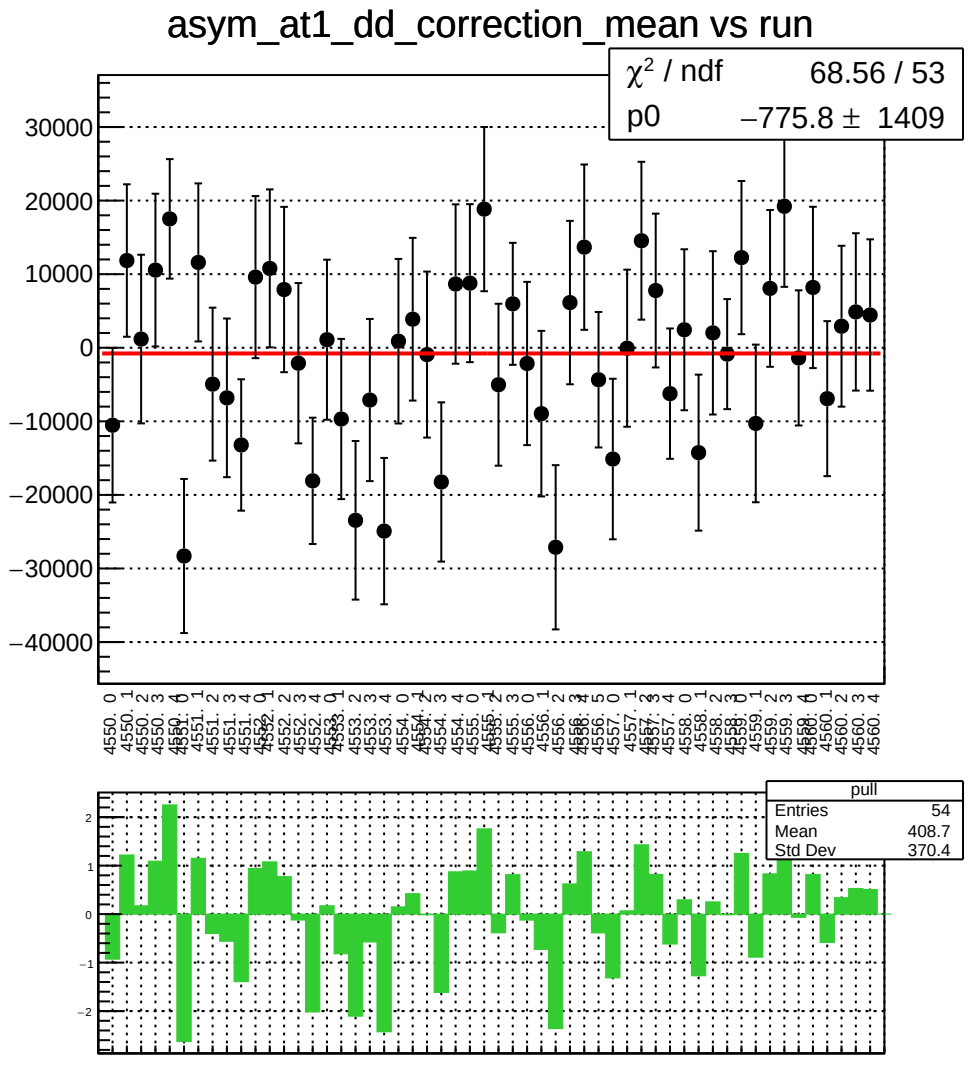

pull1D
Entries 54
Mean −0.005049
Std Dev 0.9341
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

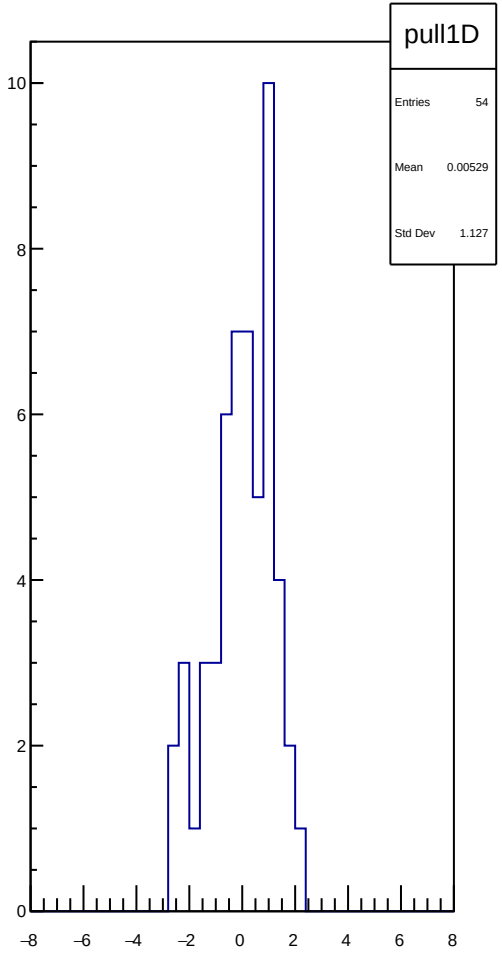

asym_at1_avg_rms vs run
χ² / ndf 1539 / 53
p0 876.3 ± 0.8506
960
940
920
900
880
860
840
820

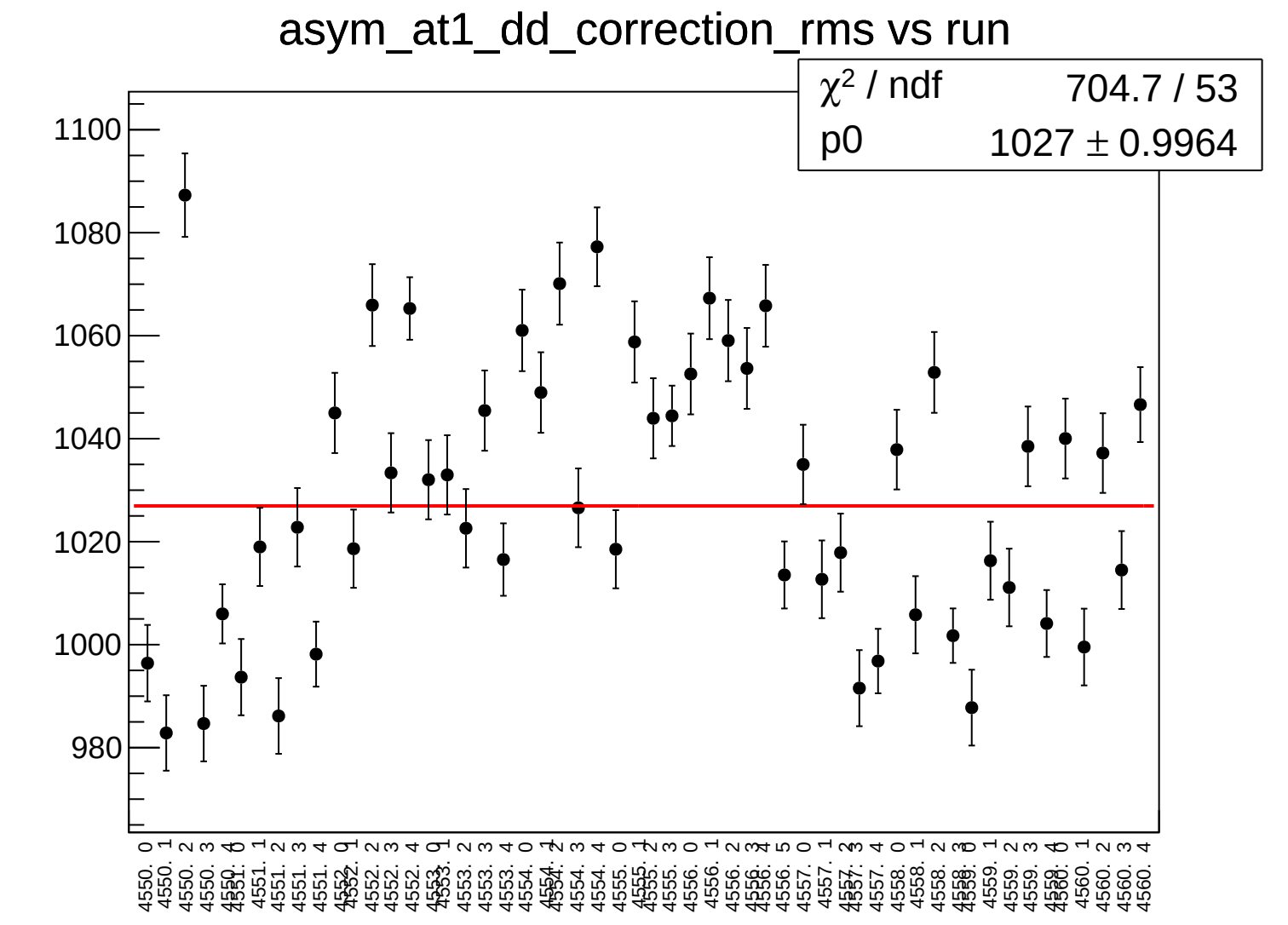

reg_asym_at1_dd_mean vs run
χ² / ndf 57.7 / 53
p0 −42.35 ± 521.1
pull
Entries 54
Mean −86.41
Std Dev 115.7


pull1D
Entries 54
Mean −0.03115
Std Dev 1.033


reg_asym_at1_dd_rms vs run
χ² / ndf 60.2 / 53
p0 379.9 ± 0.3685
390
385
380
375
370
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_at1_dd_correction_mean vs run
χ² / ndf 68.56 / 53
p0 −775.8 ± 1409
pull
Entries 54
Mean 408.7
Std Dev 370.4


pull1D
Entries 54
Mean 0.00529
Std Dev 1.127


asym_at1_dd_correction_rms vs run
χ² / ndf 704.7 / 53
p0 1027 ± 0.9964
1100
1080
1060
1040
1020
1000
980
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
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4557. 2
4557. 3
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4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
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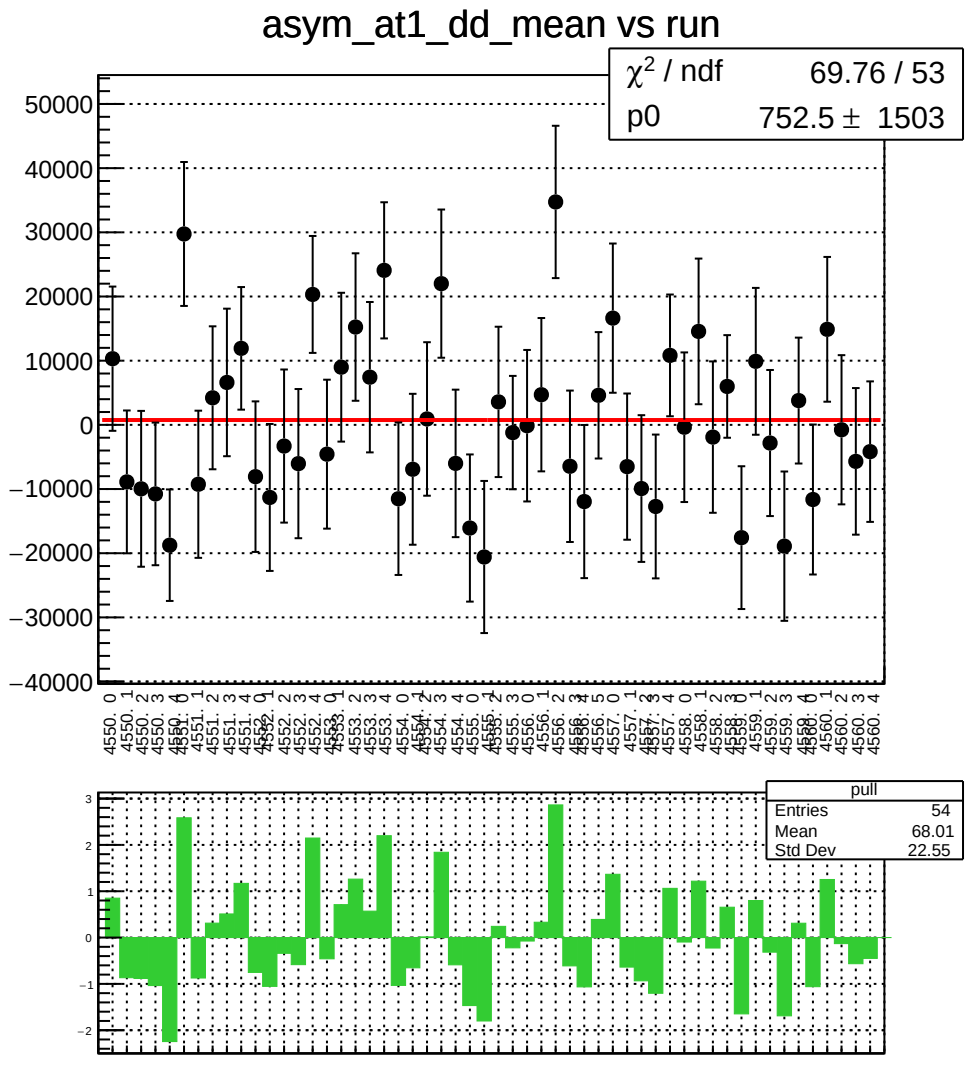
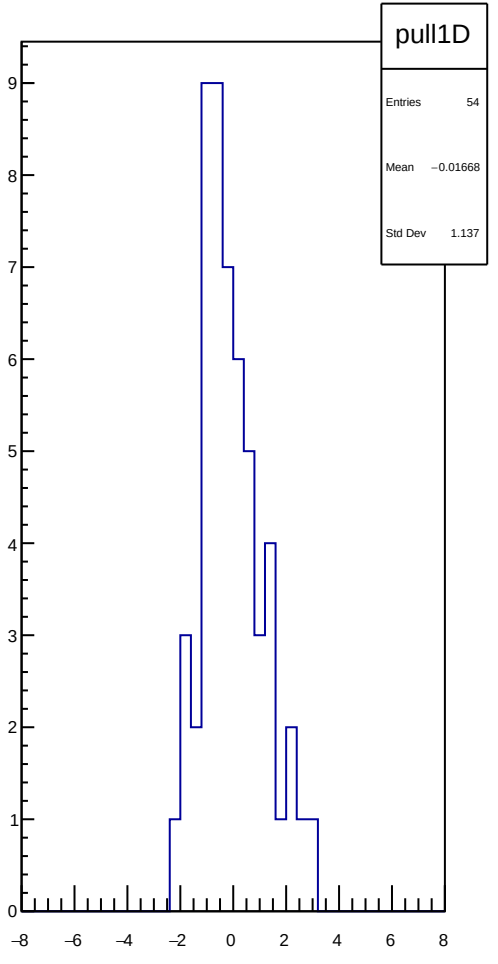
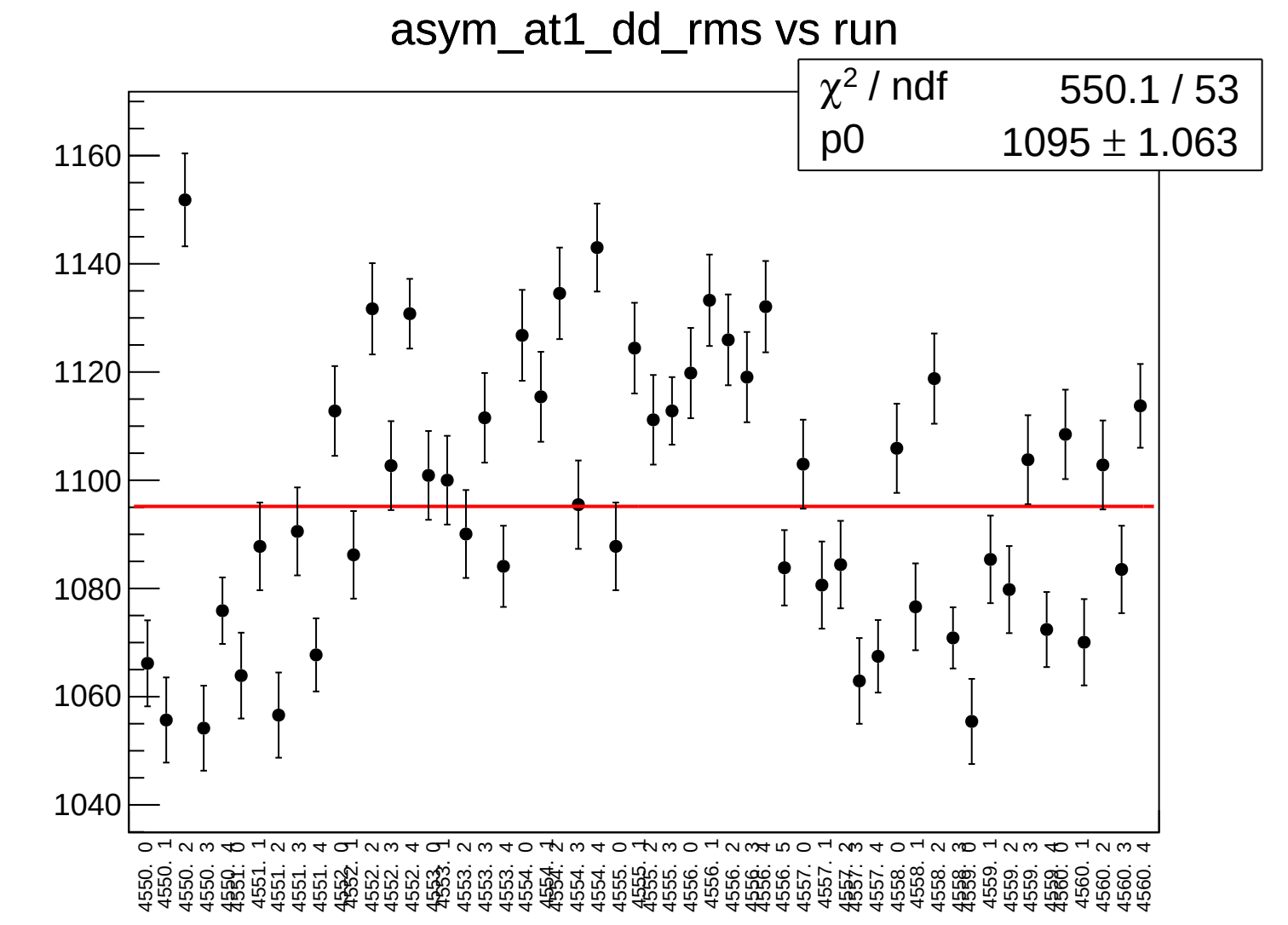
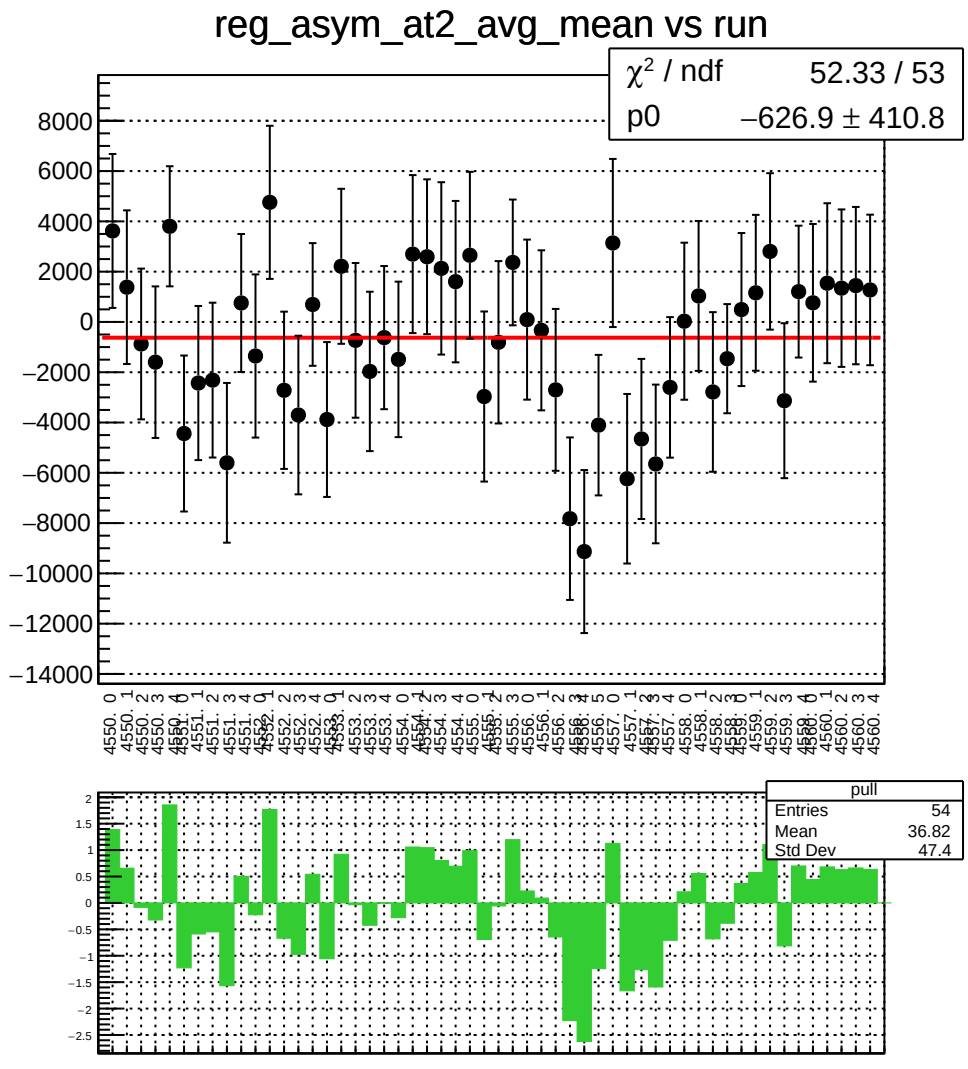
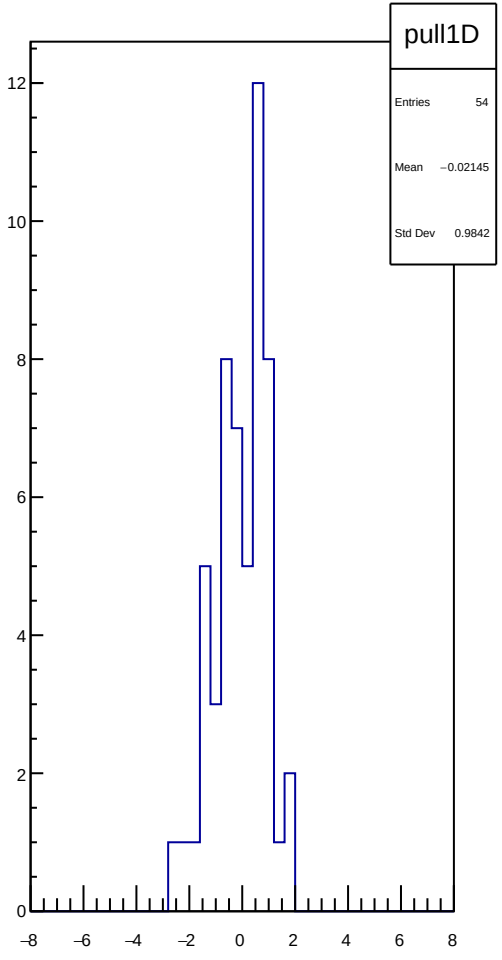
4560. 3
4560. 4

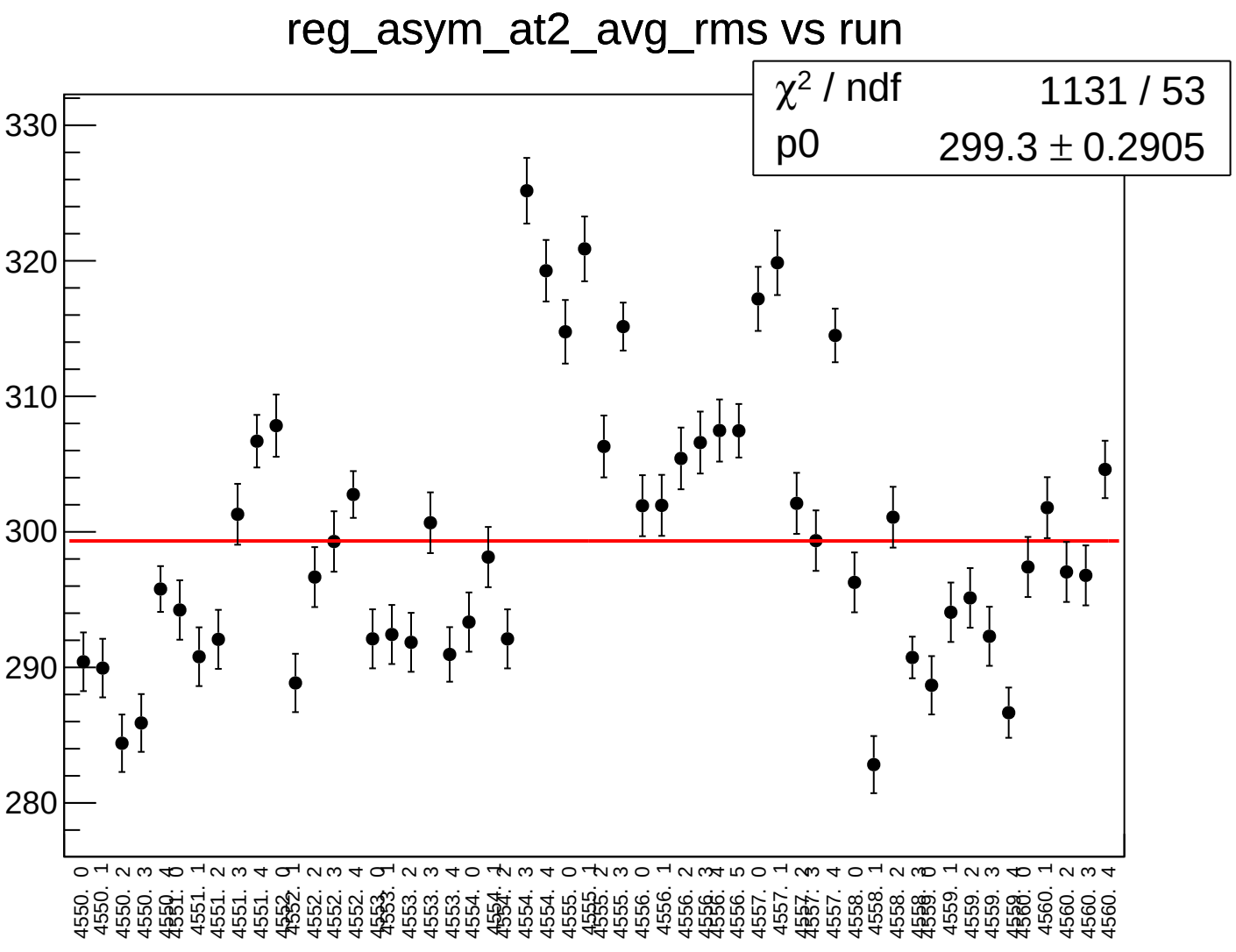

asym_at1_dd_mean vs run
χ² / ndf 69.76 / 53
p0 752.5 ± 1503
pull
Entries 54
Mean 68.01
Std Dev 22.55

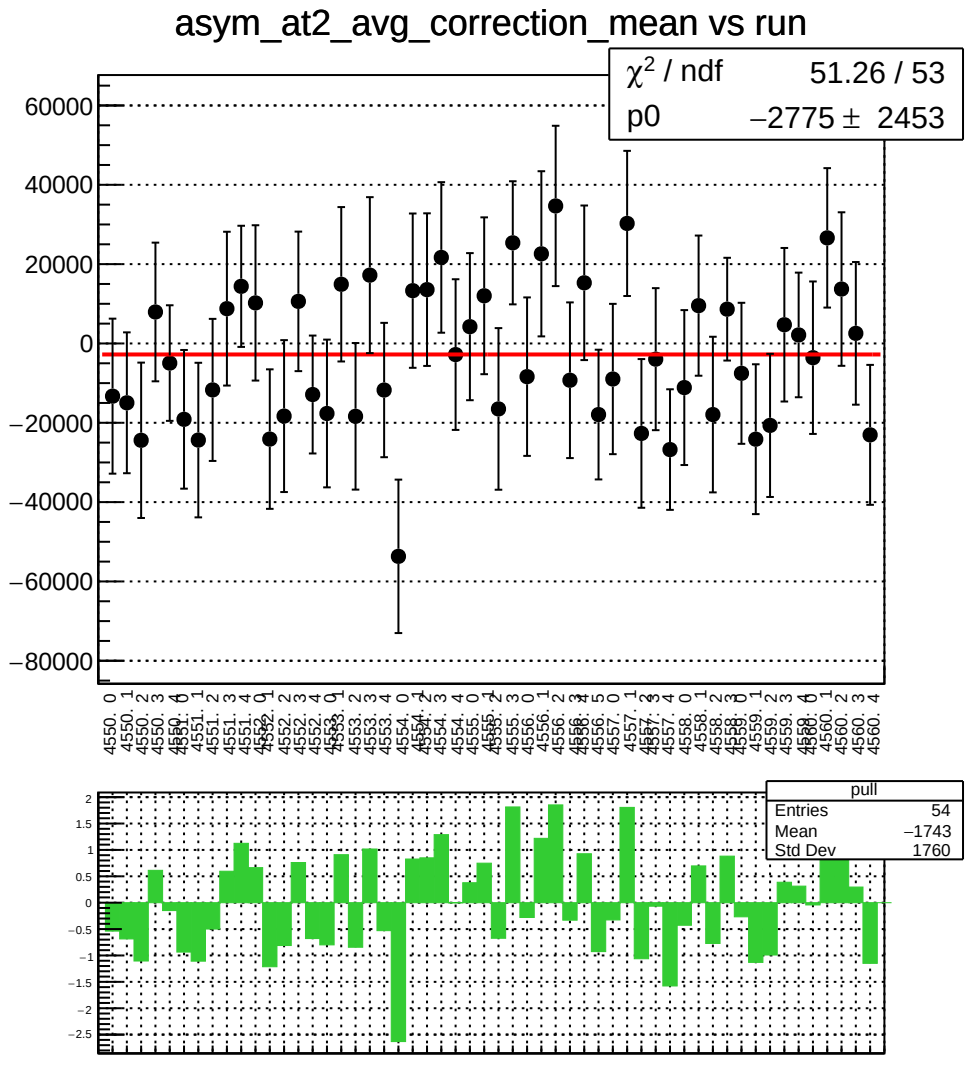

pull1D
Entries 54
Mean −0.01668
Std Dev 1.137

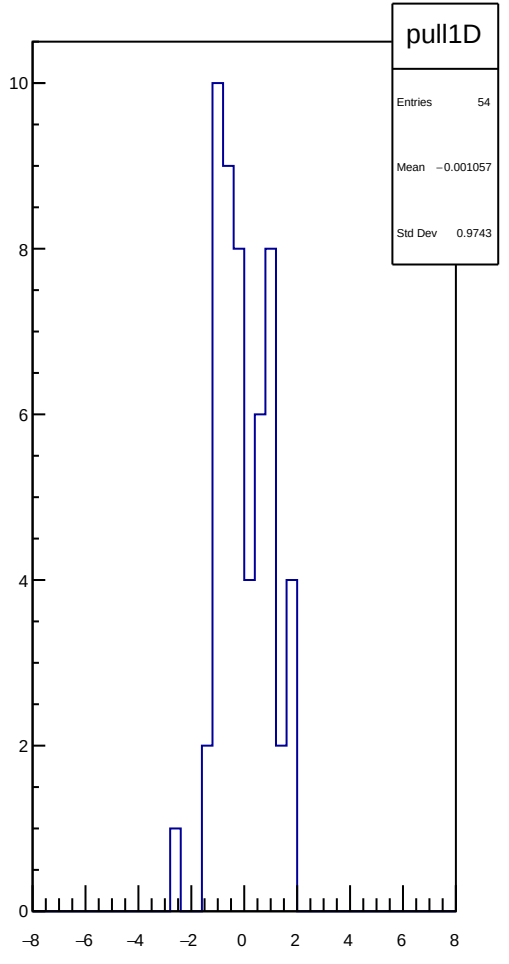

asym_at1_dd_rms vs run
χ² / ndf 550.1 / 53
p0 1095 ± 1.063
1160
1140
1120
1100
1080
1060
1040
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

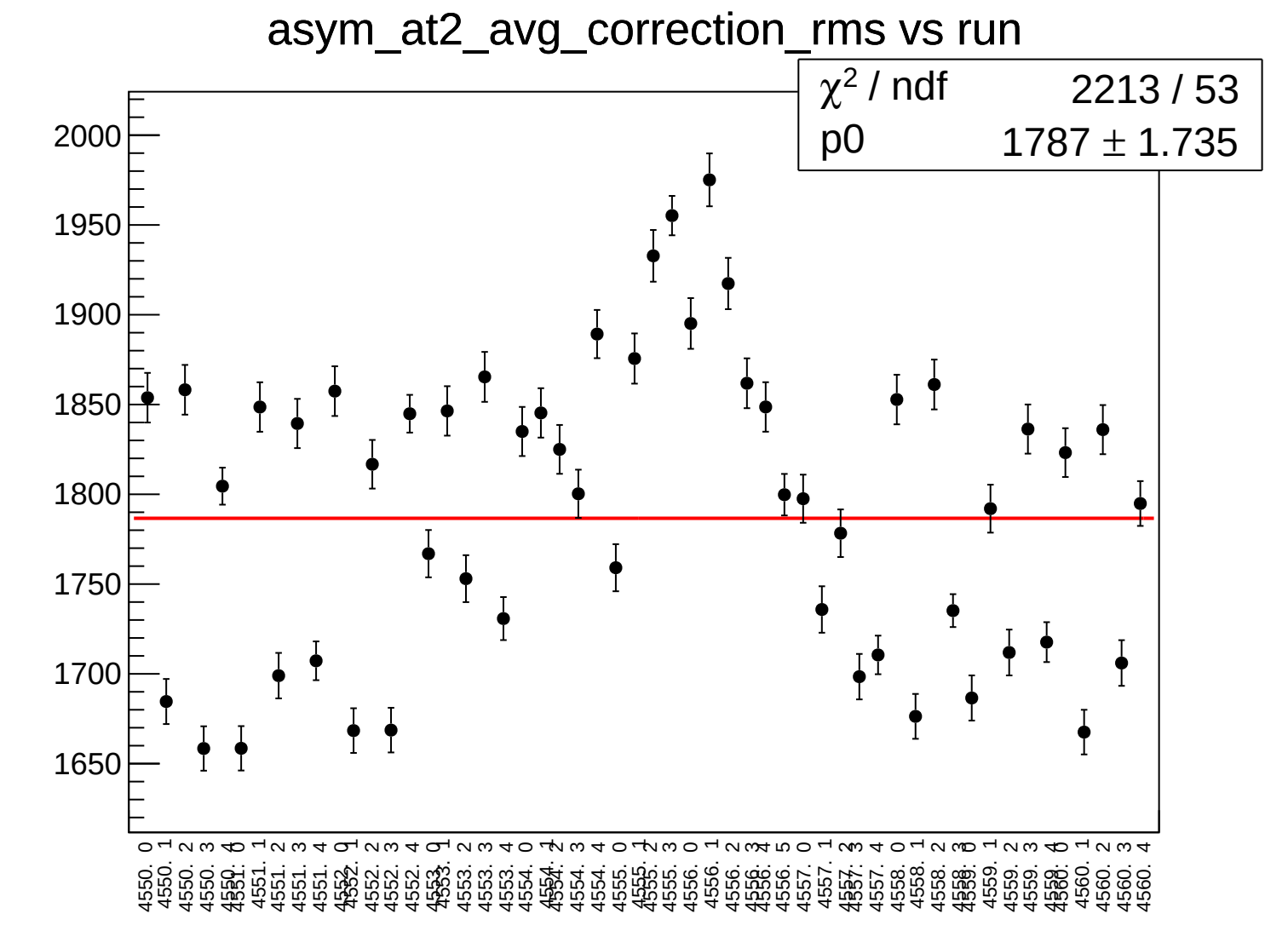

reg_asym_at2_avg_mean vs run
χ² / ndf 52.33 / 53
p0 −626.9 ± 410.8
pull
Entries 54
Mean 36.82
Std Dev 47.4

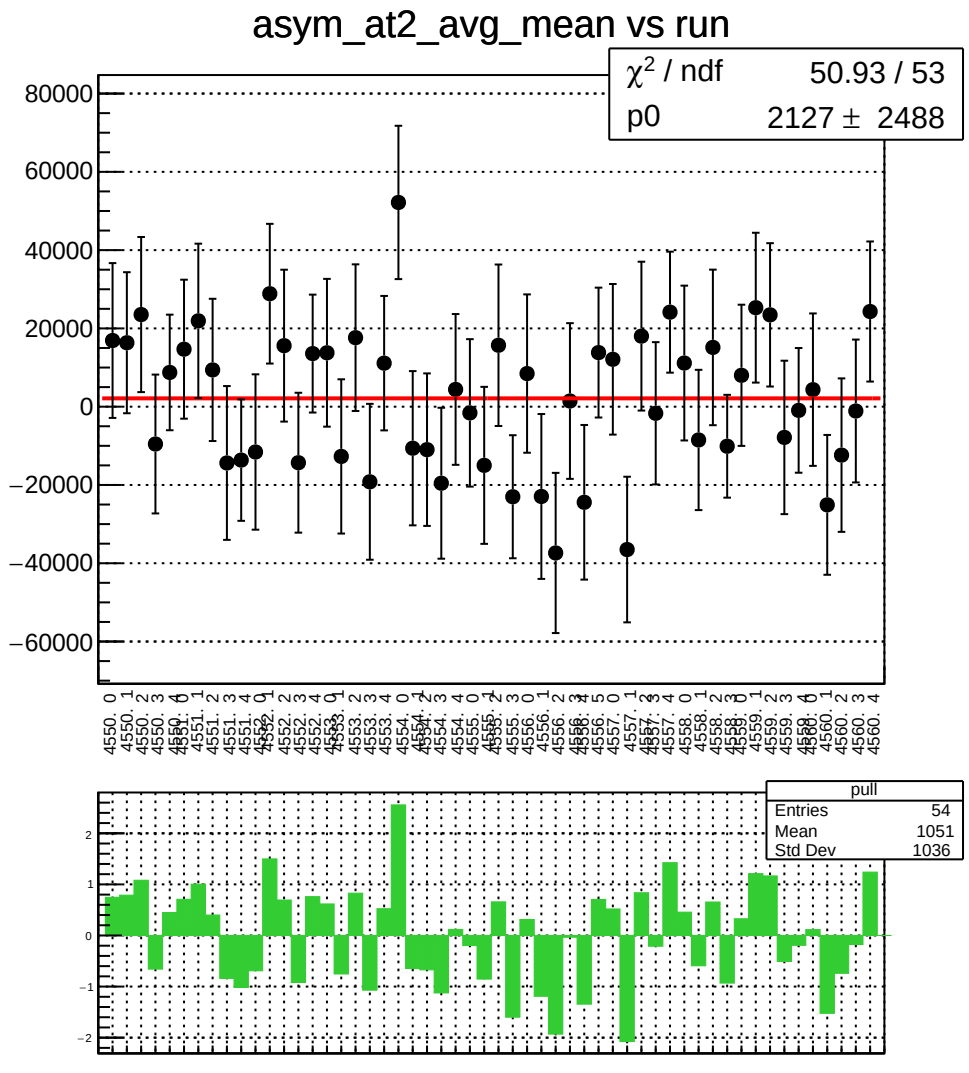

pull1D
Entries 54
Mean −0.02145
Std Dev 0.9842

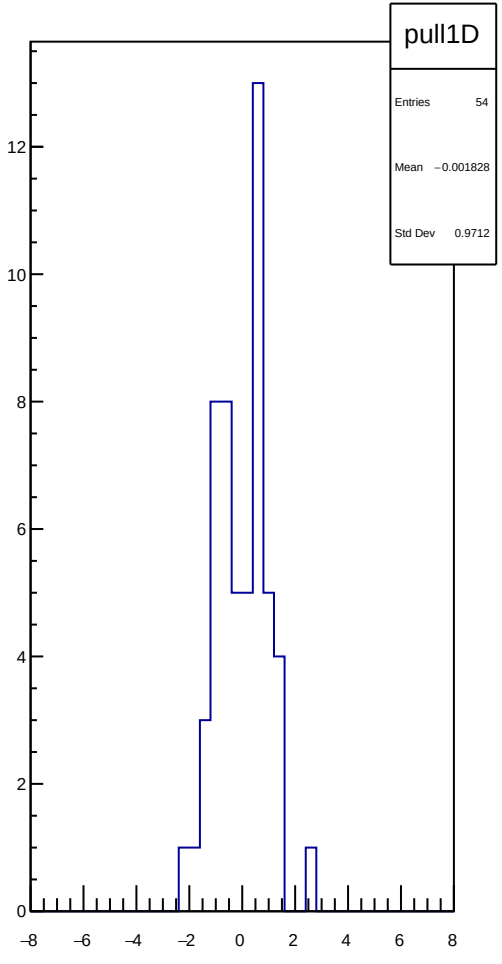

reg_asym_at2_avg_rms vs run
χ² / ndf 1131 / 53
p0 299.3 ± 0.2905
330
320
310
300
290
280
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

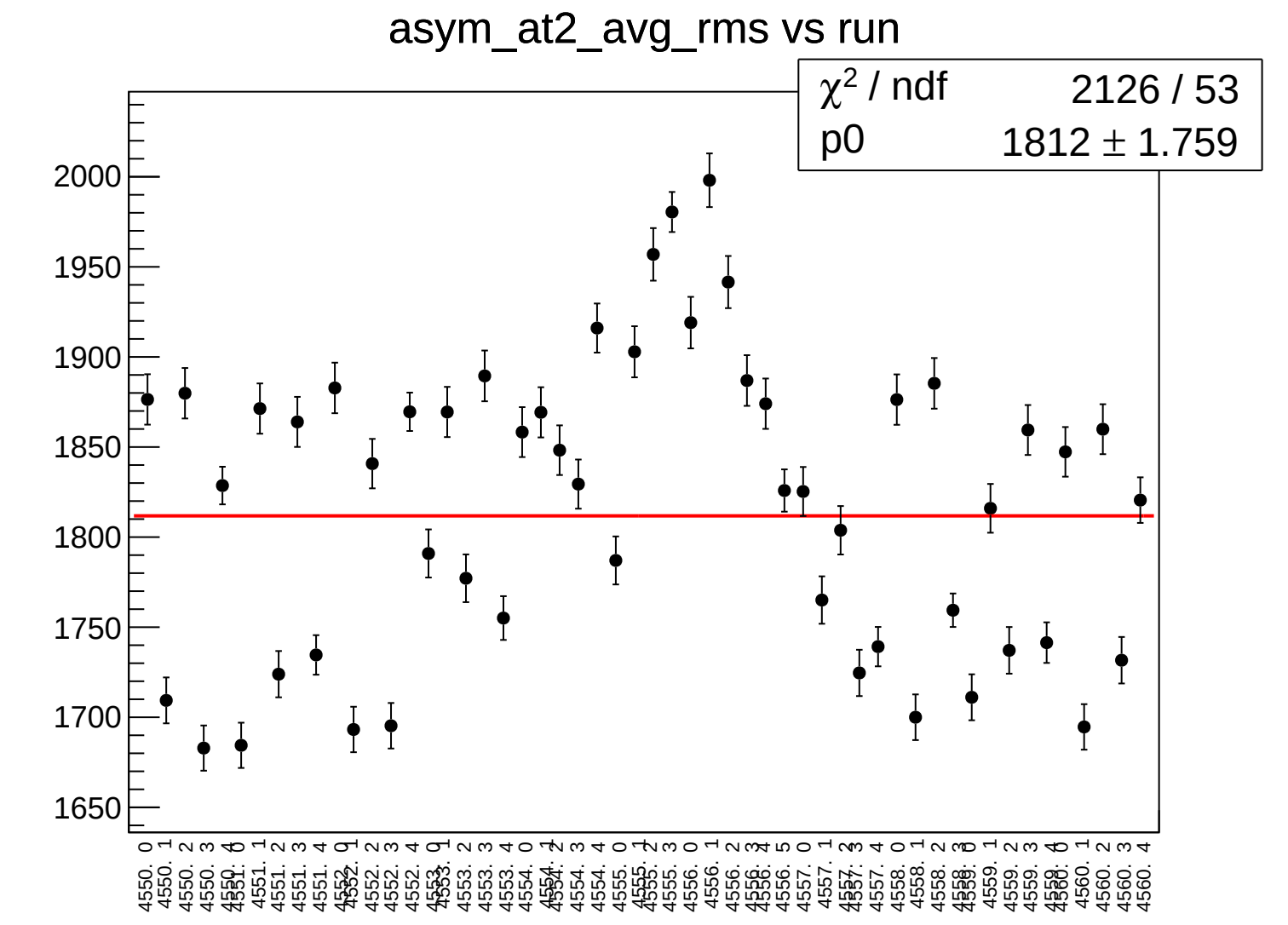

asym_at2_avg_correction_mean vs run
χ² / ndf 51.26 / 53
p0 −2775 ± 2453
pull
Entries 54
Mean −1743
Std Dev 1760

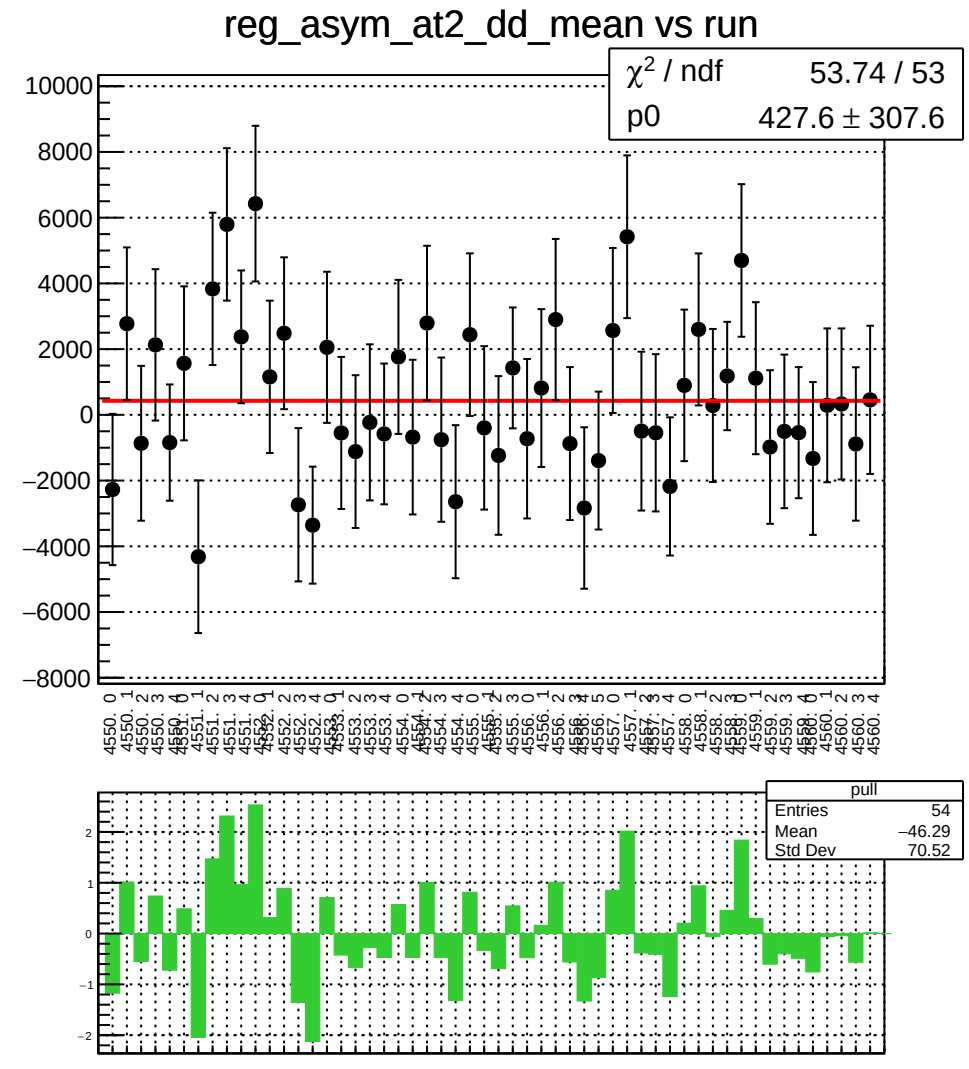

pull1D
Entries 54
Mean −0.001057
Std Dev 0.9743

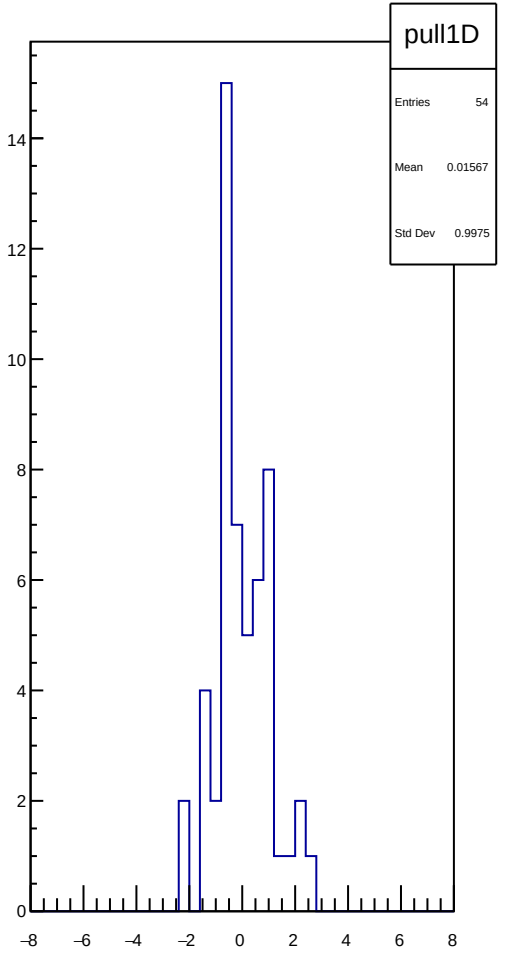

asym_at2_avg_correction_rms vs run
χ² / ndf 2213 / 53
p0 1787 ± 1.735
2000
1950
1900
1850
1800
1750
1700
1650

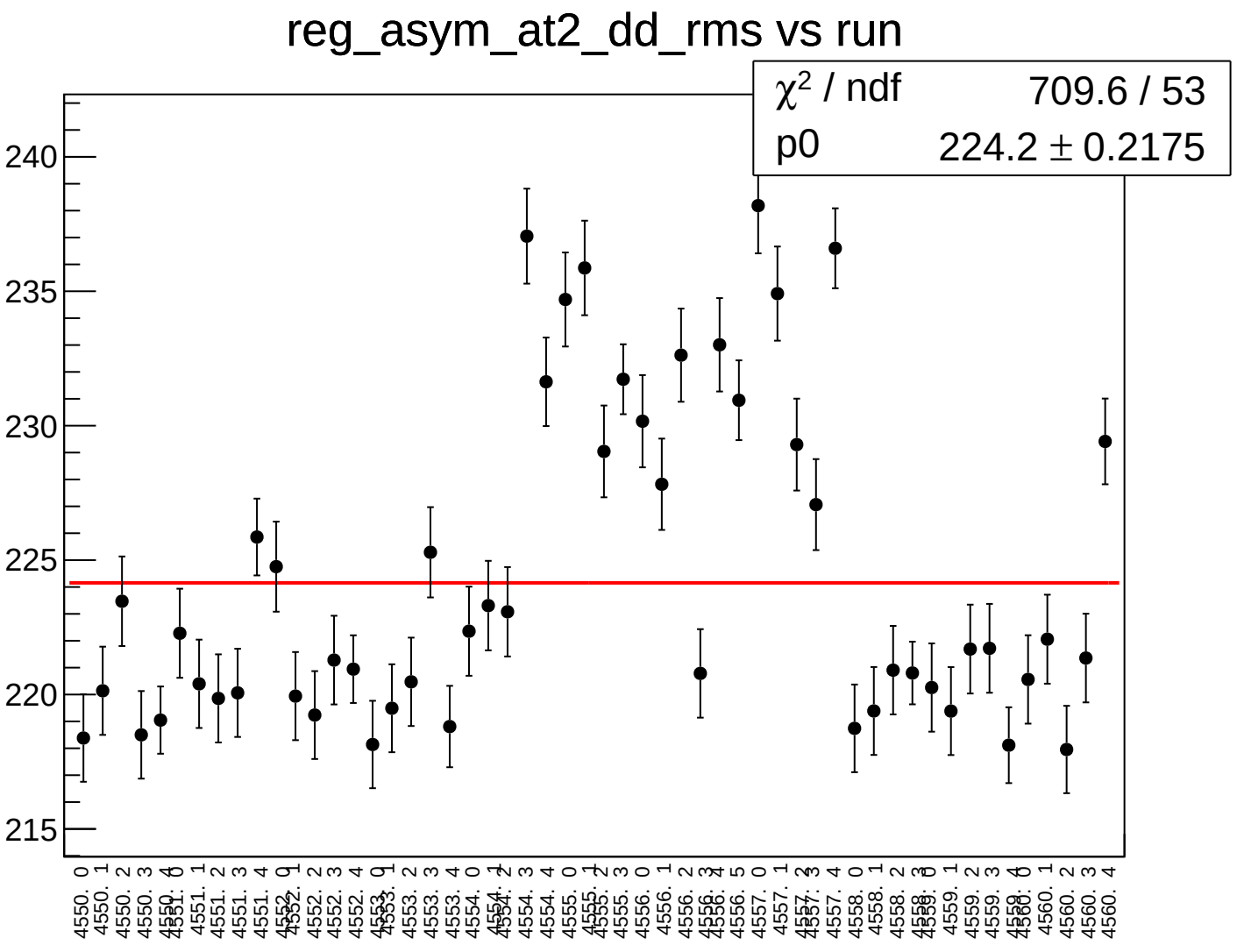

asym_at2_avg_mean vs run
χ² / ndf 50.93 / 53
p0 2127 ± 2488
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 1051
Std Dev 1036
2
1
0
−1
−2

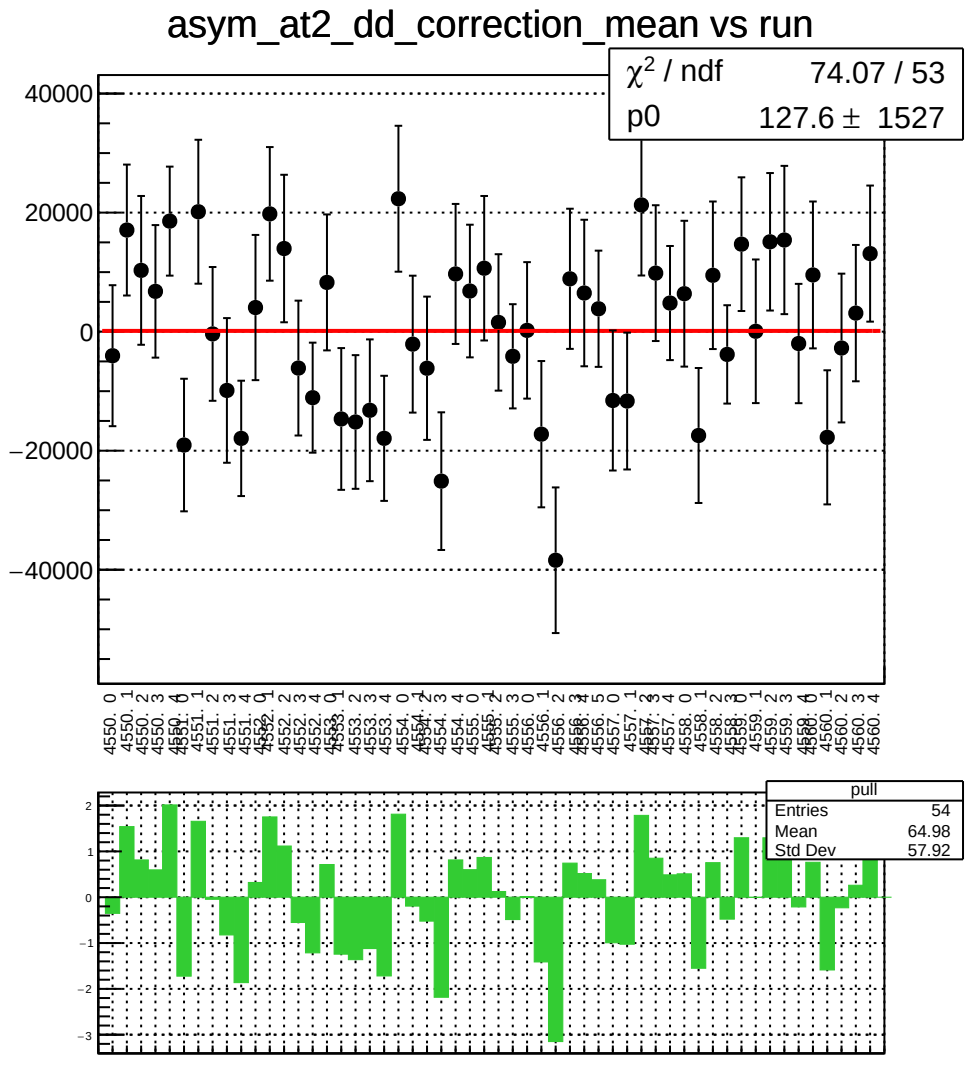

pull1D
Entries 54
Mean −0.001828
Std Dev 0.9712
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

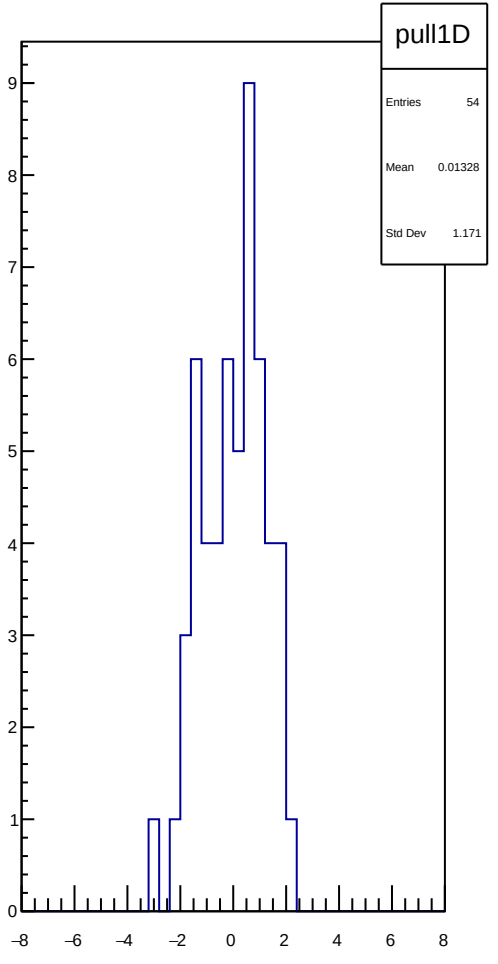

asym_at2_avg_rms vs run
χ² / ndf 2126 / 53
p0 1812 ± 1.759
2000
1950
1900
1850
1800
1750
1700
1650

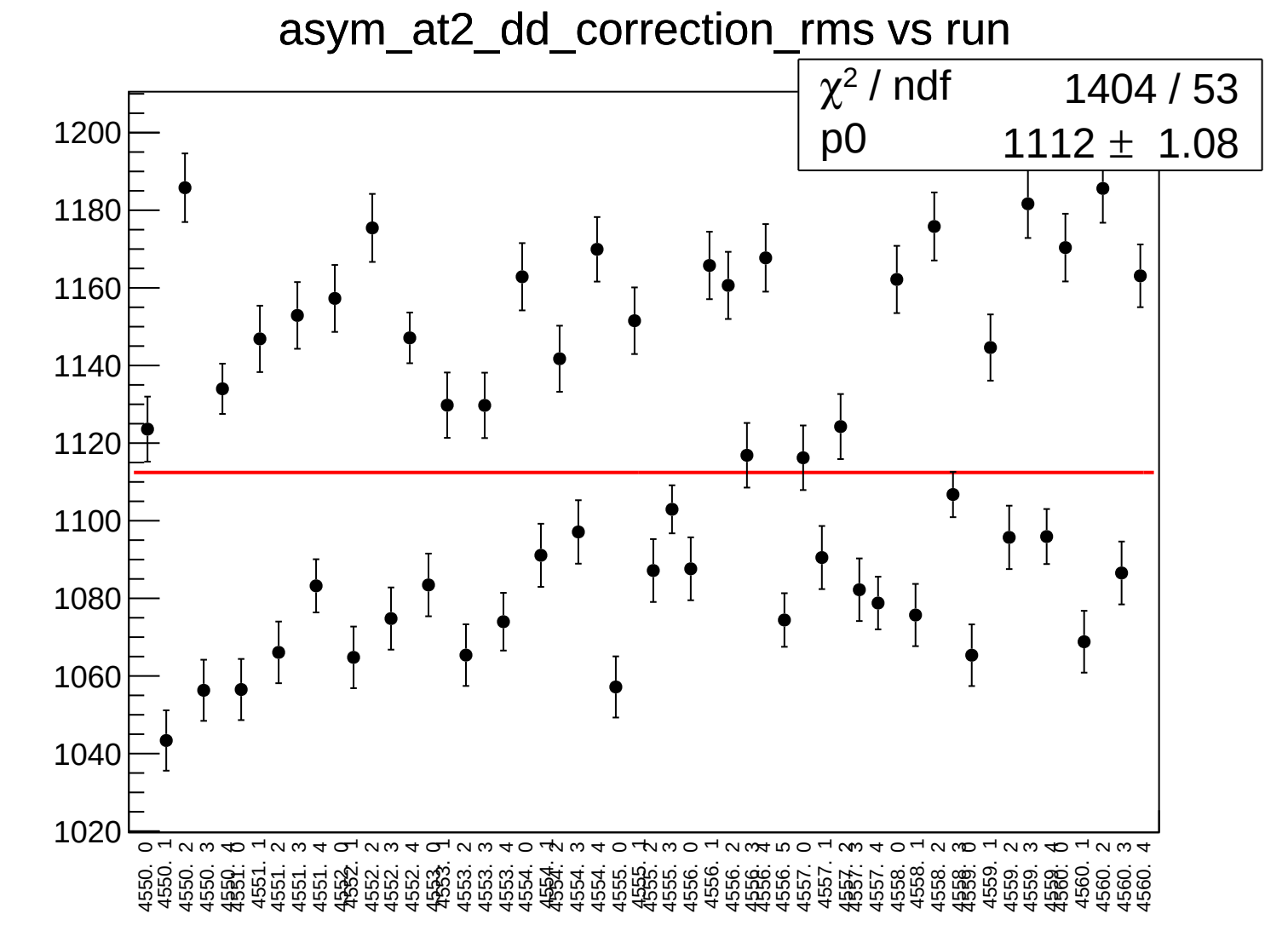

reg_asym_at2_dd_mean vs run
χ² / ndf 53.74 / 53
p0 427.6 ± 307.6
pull
Entries 54
Mean −46.29
Std Dev 70.52

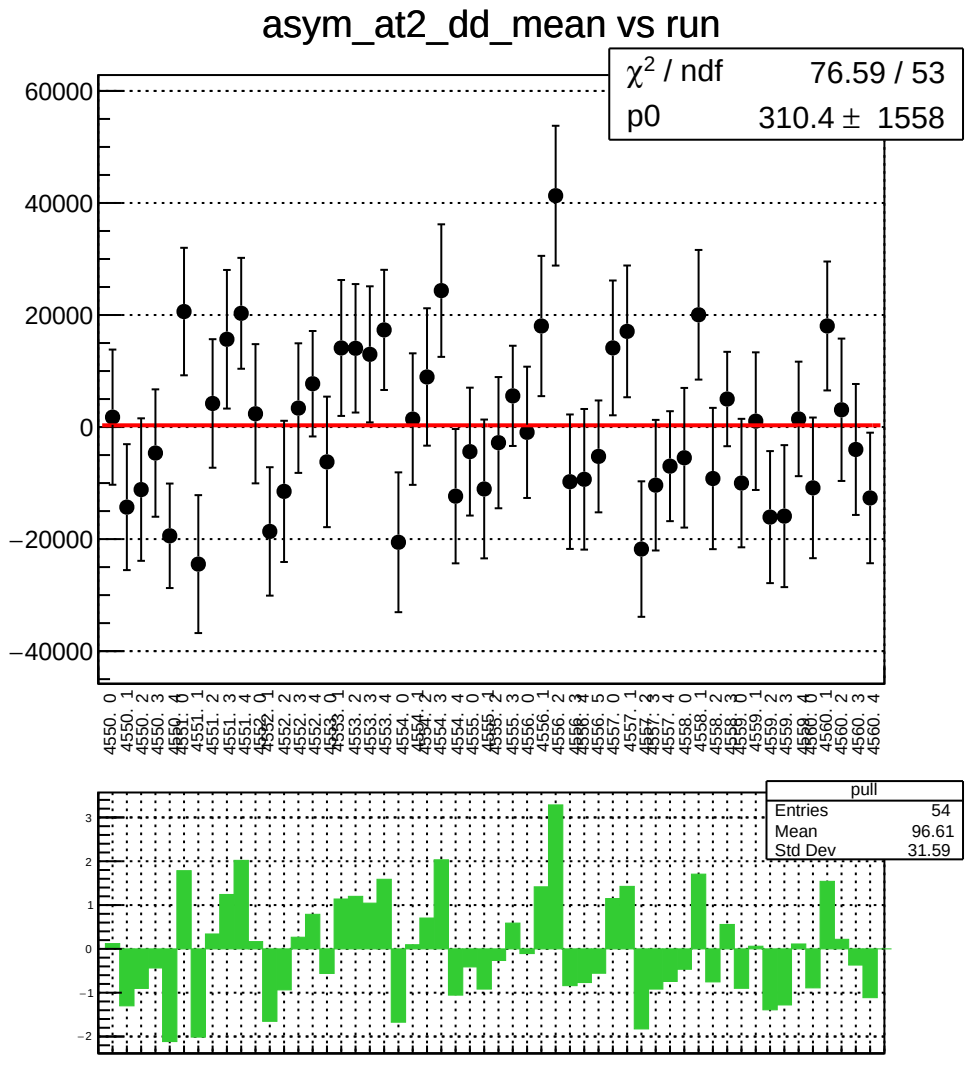

pull1D
Entries 54
Mean 0.01567
Std Dev 0.9975

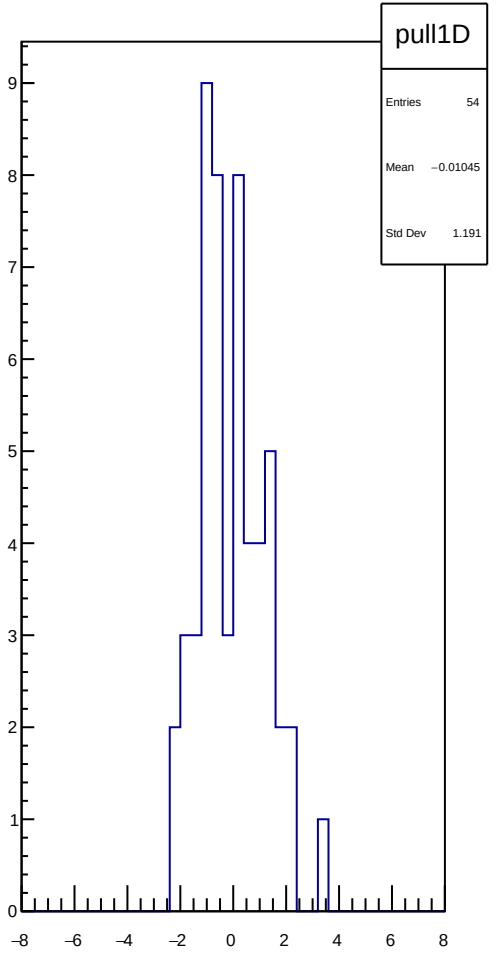

reg_asym_at2_dd_rms vs run
χ² / ndf 709.6 / 53
p0 224.2 ± 0.2175
240
235
230
225
220
215
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

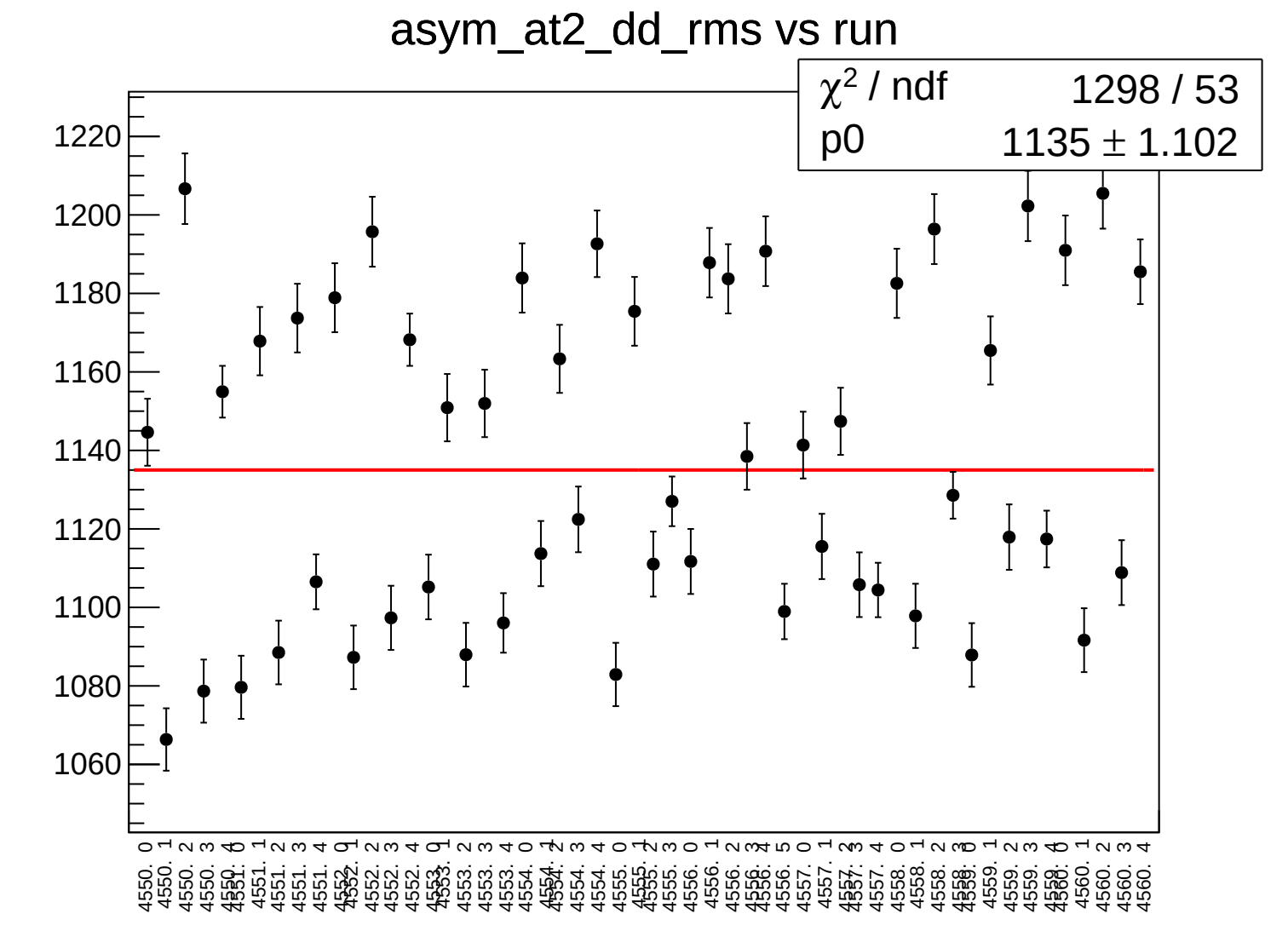

asym_at2_dd_correction_mean vs run
χ² / ndf 74.07 / 53
p0 127.6 ± 1527
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 64.98
Std Dev 57.92
2
1
0
−1
−2
−3

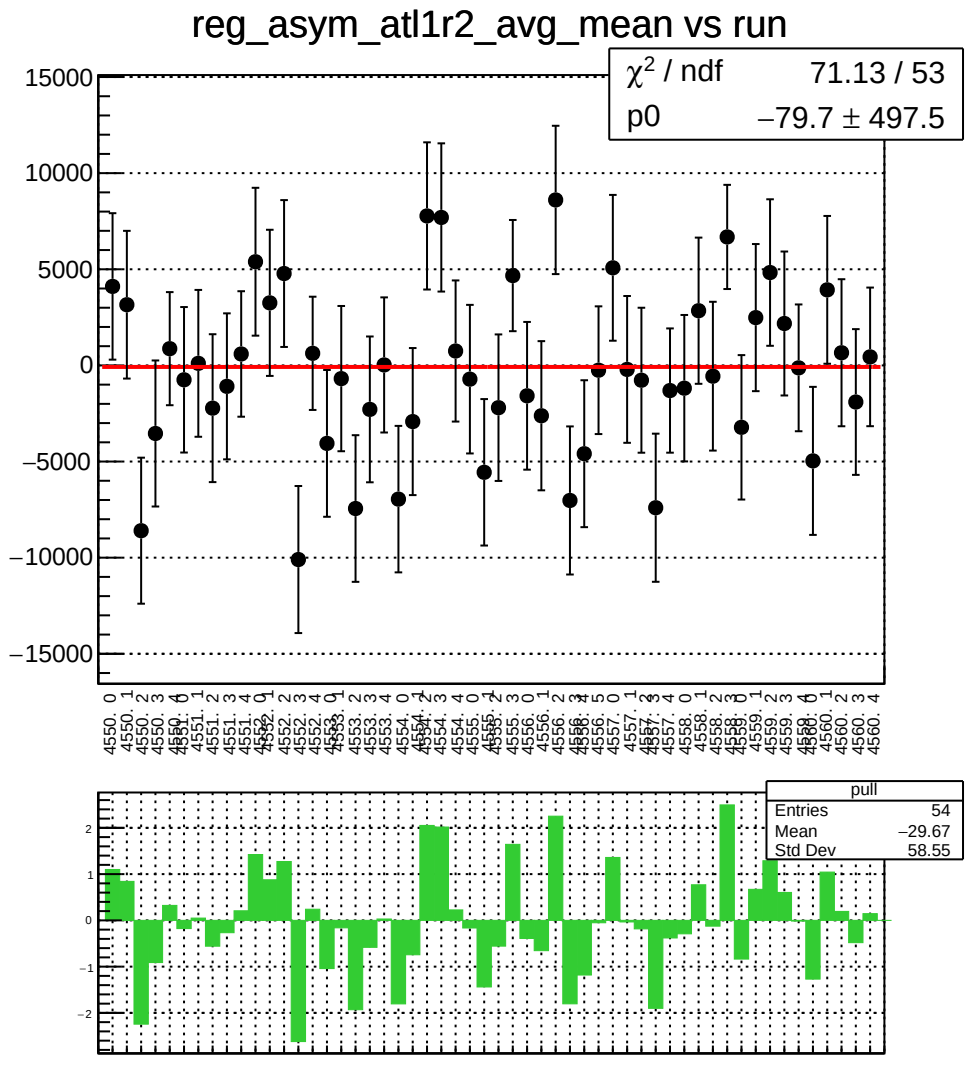

pull1D
Entries 54
Mean 0.01328
Std Dev 1.171
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

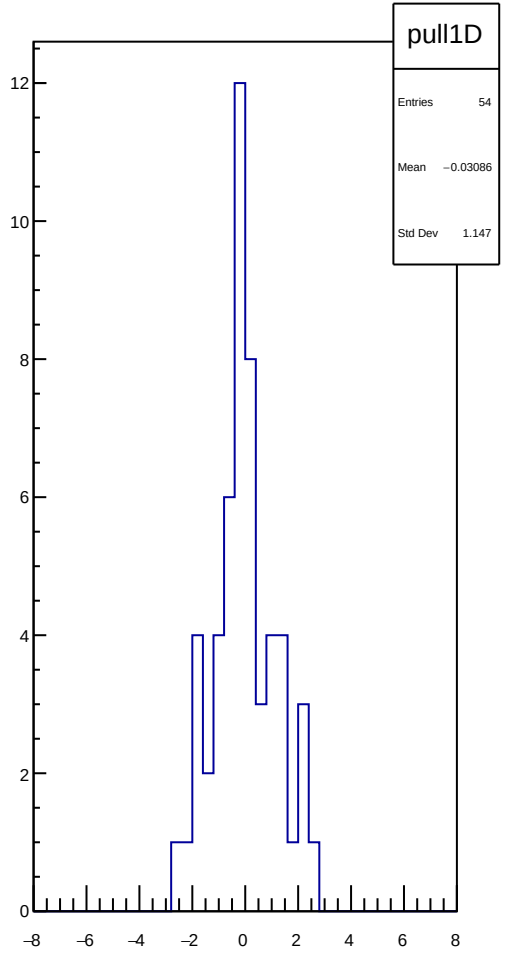

asym_at2_dd_correction_rms vs run
χ² / ndf 1404 / 53
p0 1112 ± 1.08
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

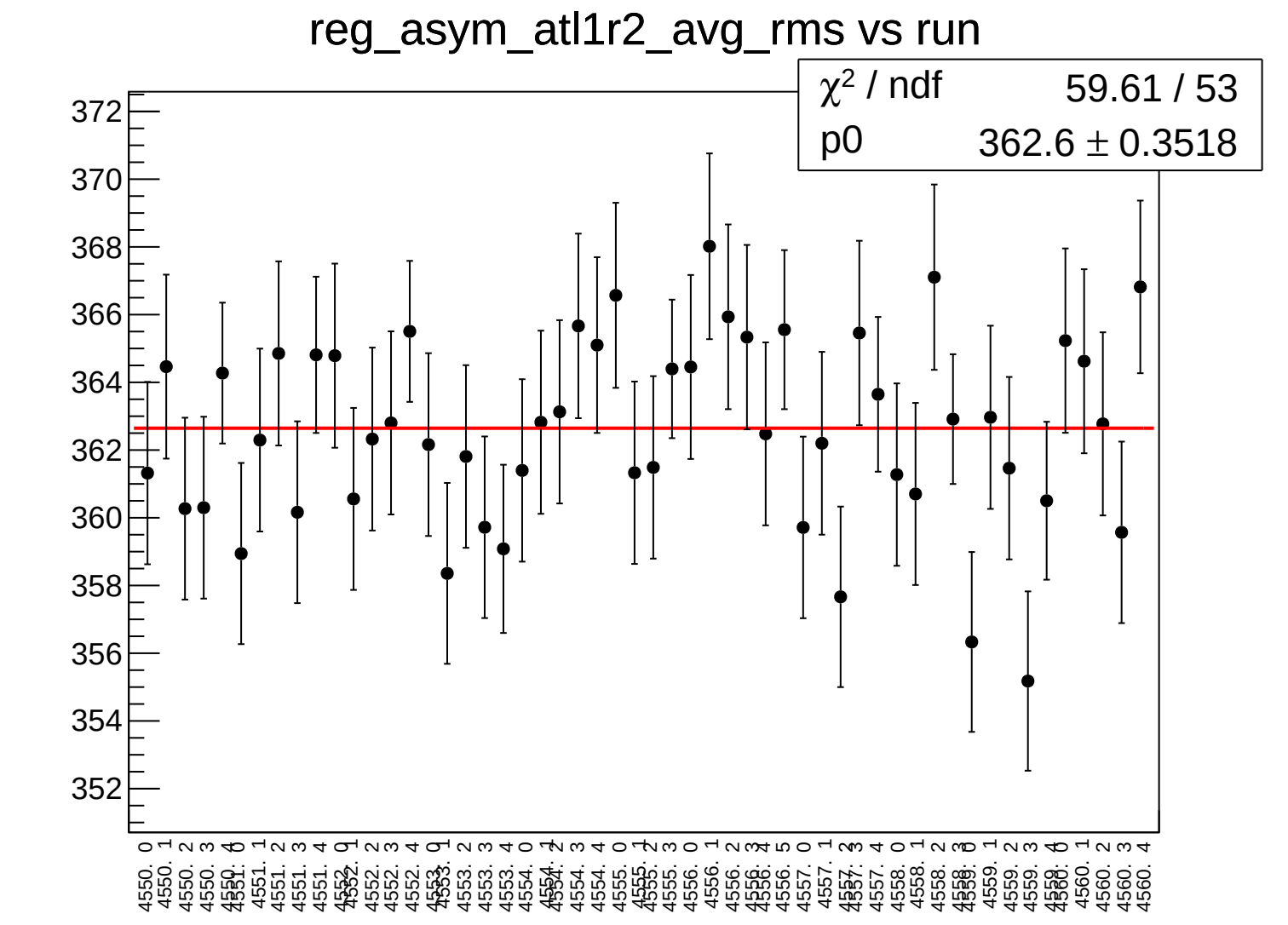

asym_at2_dd_mean vs run
χ² / ndf 76.59 / 53
p0 310.4 ± 1558
pull
Entries 54
Mean 96.61
Std Dev 31.59

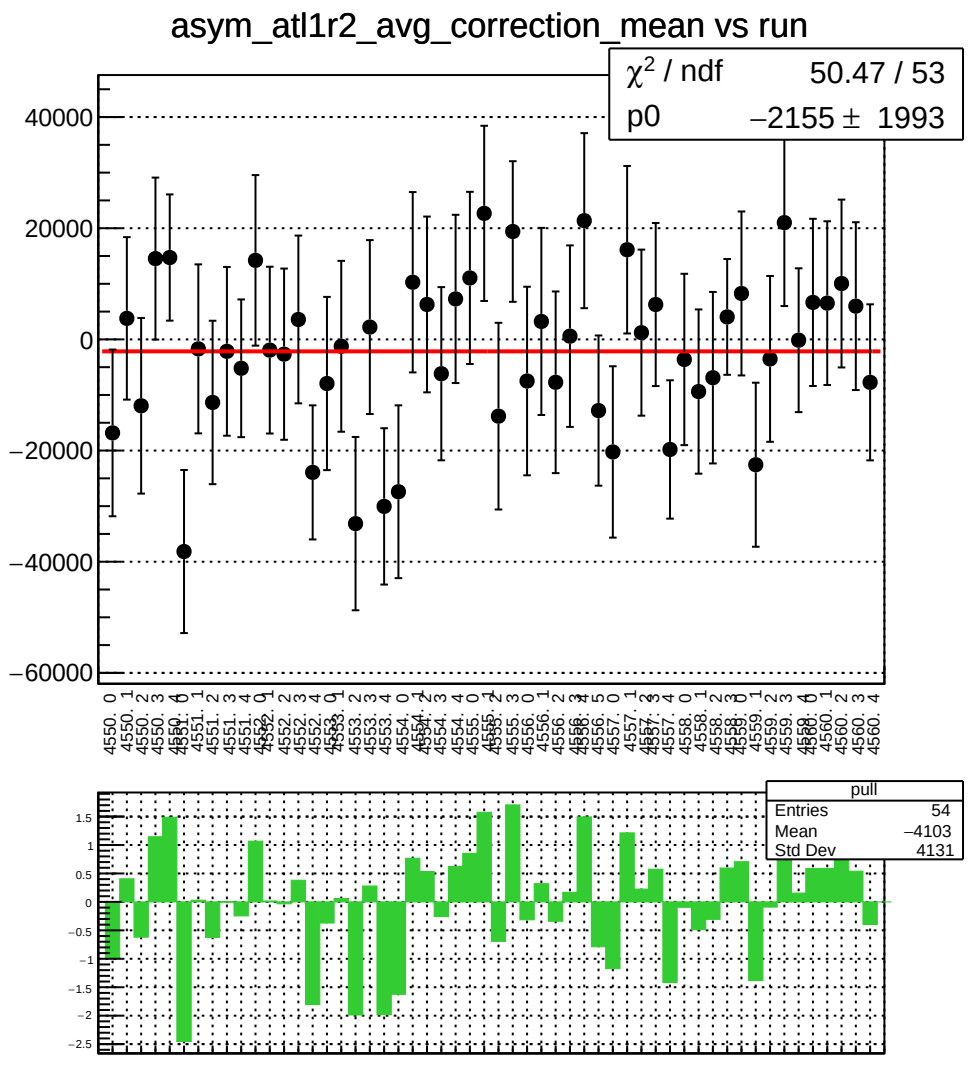

pull1D
Entries 54
Mean −0.01045
Std Dev 1.191

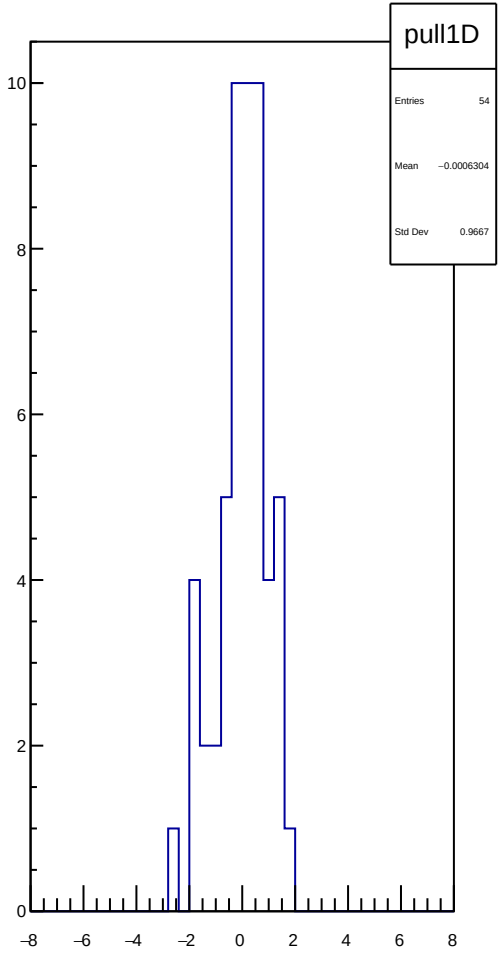

asym_at2_dd_rms vs run
χ² / ndf 1298 / 53
p0 1135 ± 1.102
1220
1200
1180
1160
1140
1120
1100
1080
1060
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

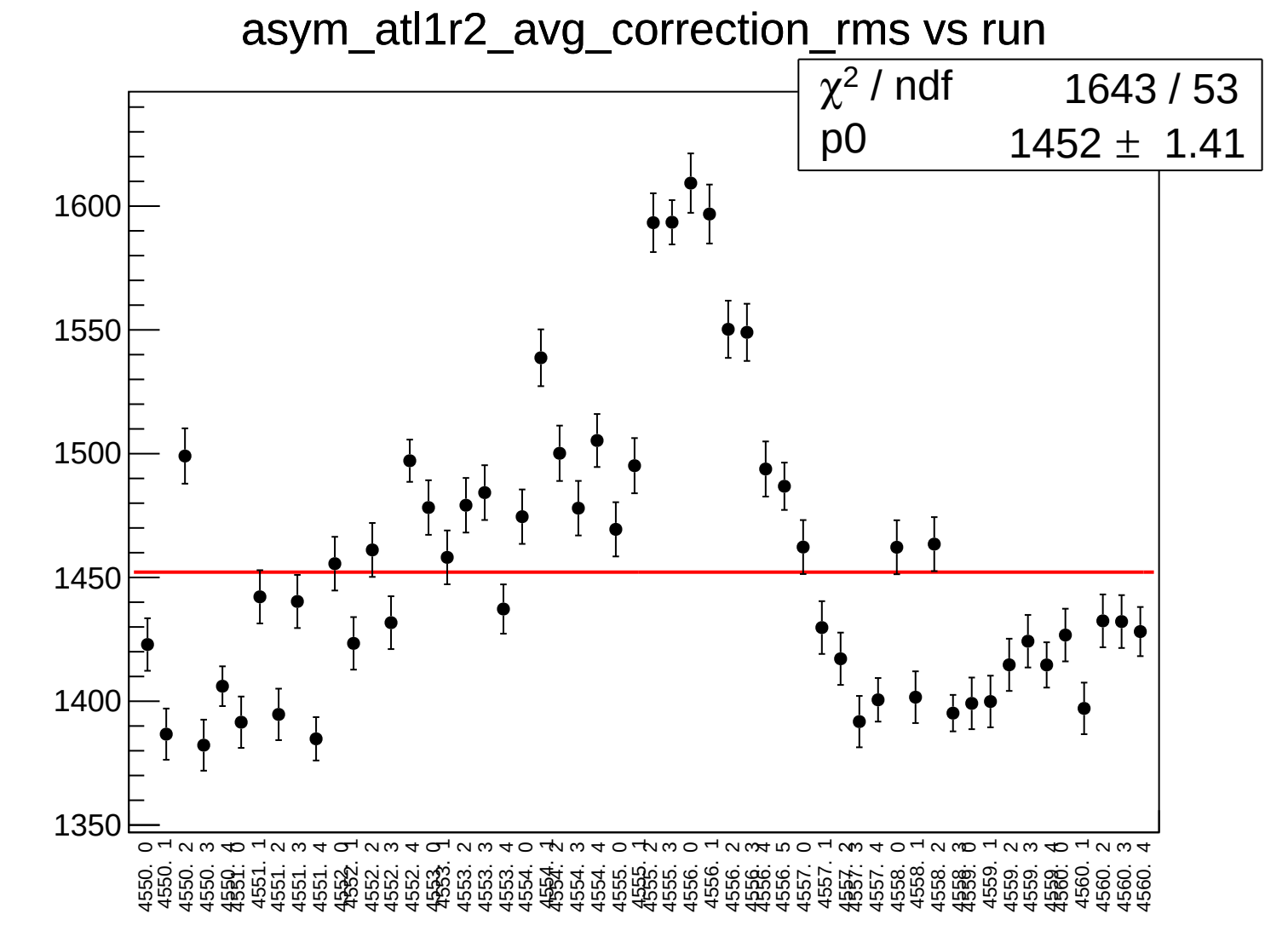

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 71.13 / 53
p0 −79.7 ± 497.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −29.67
Std Dev 58.55
2
1
0
−1
−2

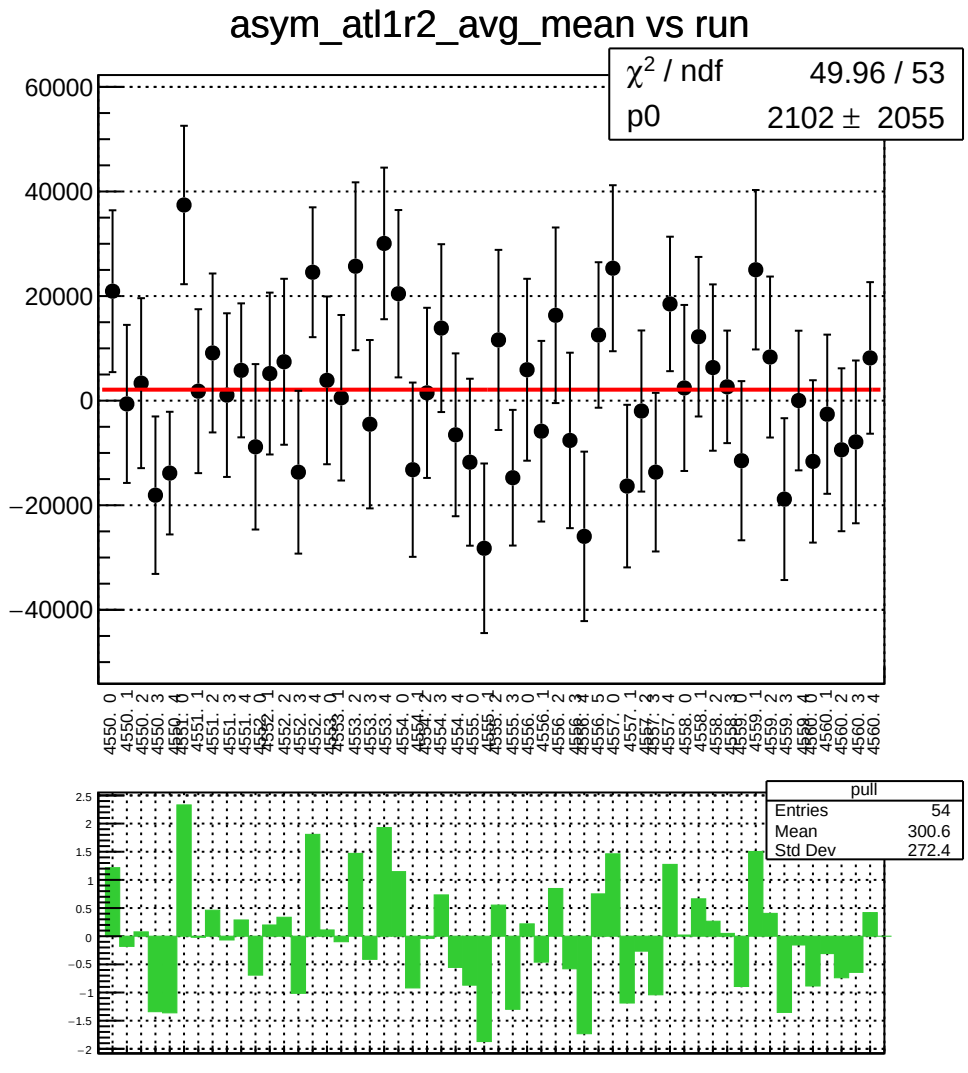

pull1D
Entries 54
Mean −0.03086
Std Dev 1.147
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

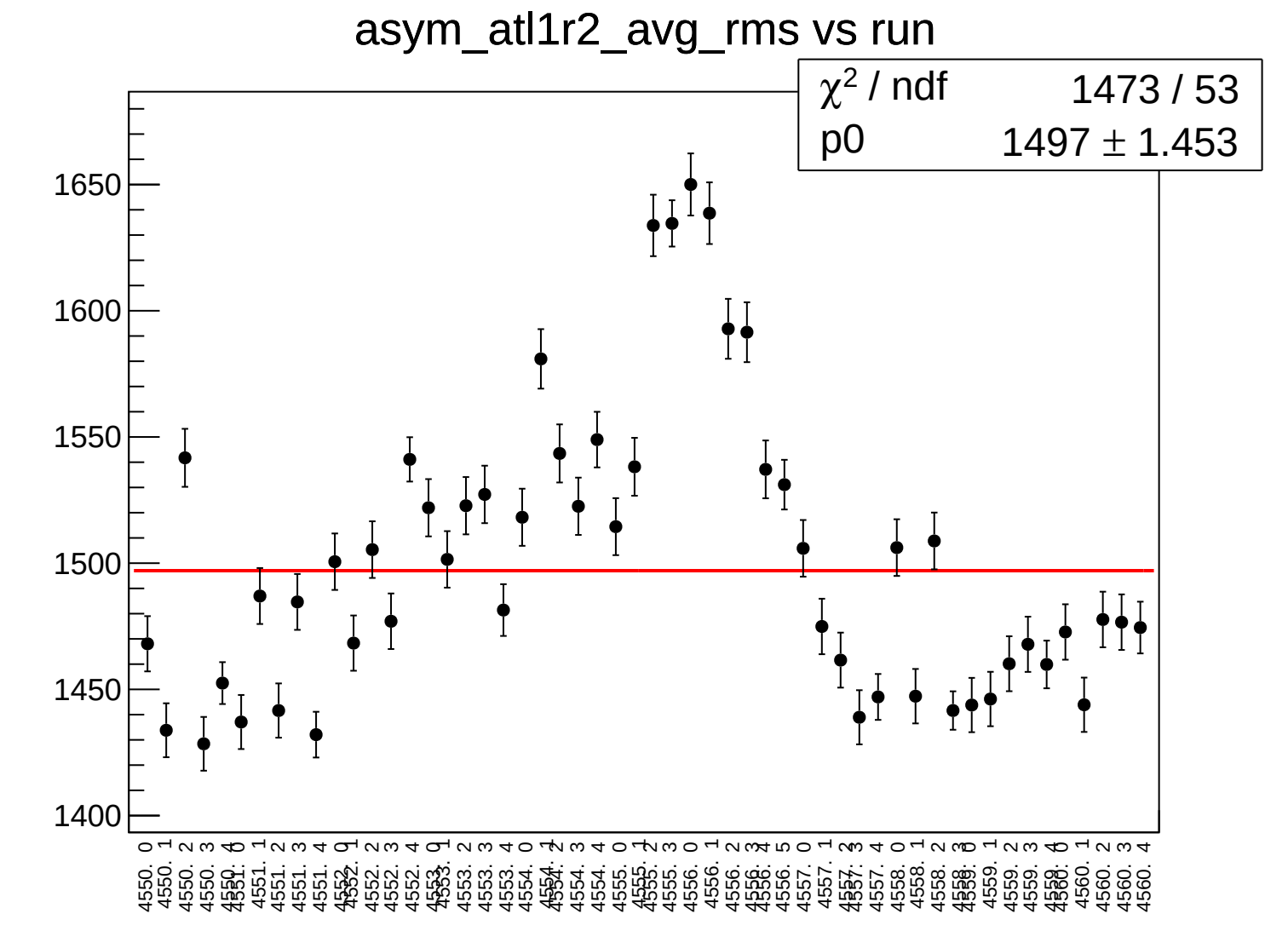

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 59.61 / 53
p0 362.6 ± 0.3518
372
370
368
366
364
362
360
358
356
354
352

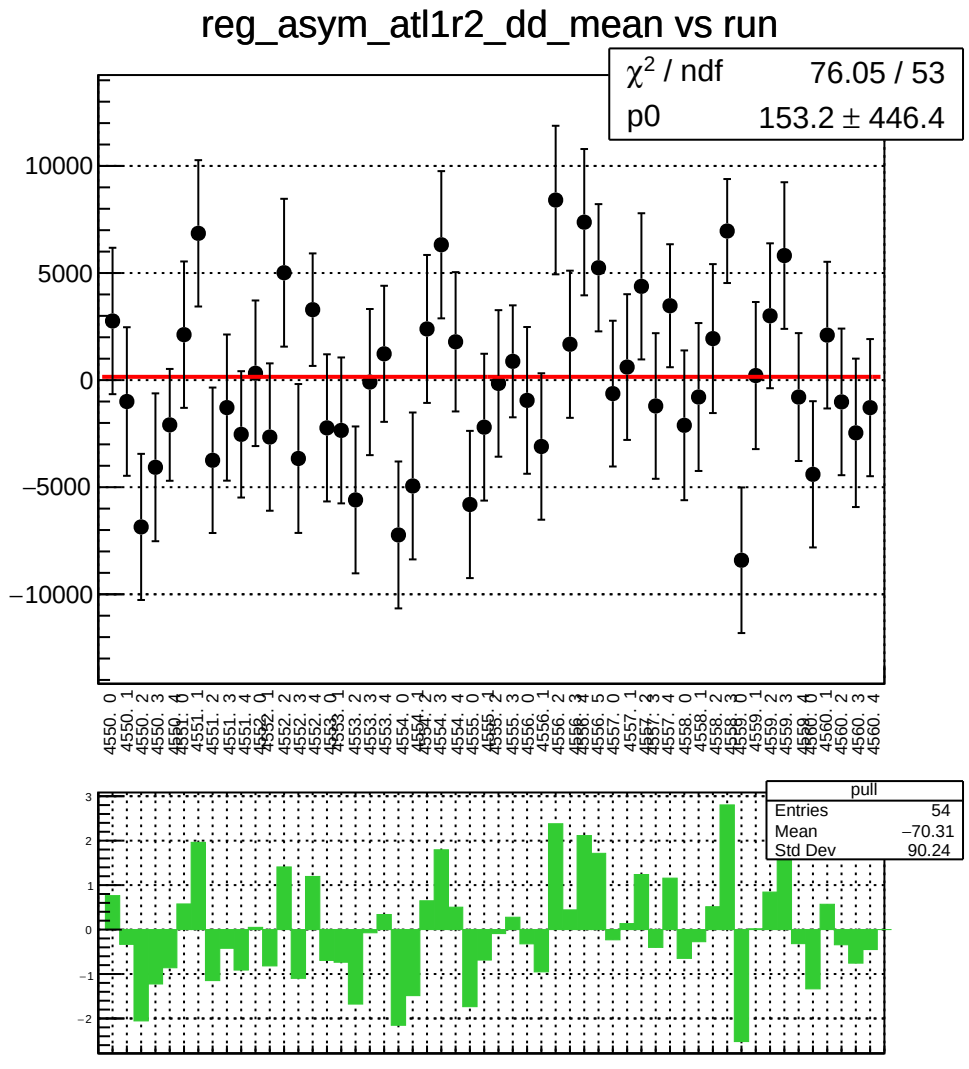

asym_atl1r2_avg_correction_mean vs run
χ² / ndf 50.47 / 53
p0 −2155 ± 1993
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −4103
Std Dev 4131
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

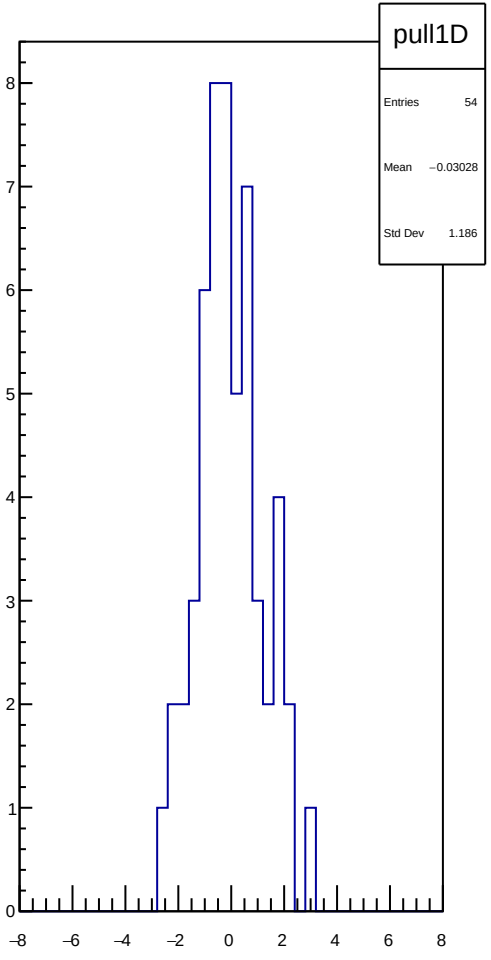

pull1D
Entries 54
Mean −0.0006304
Std Dev 0.9667
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

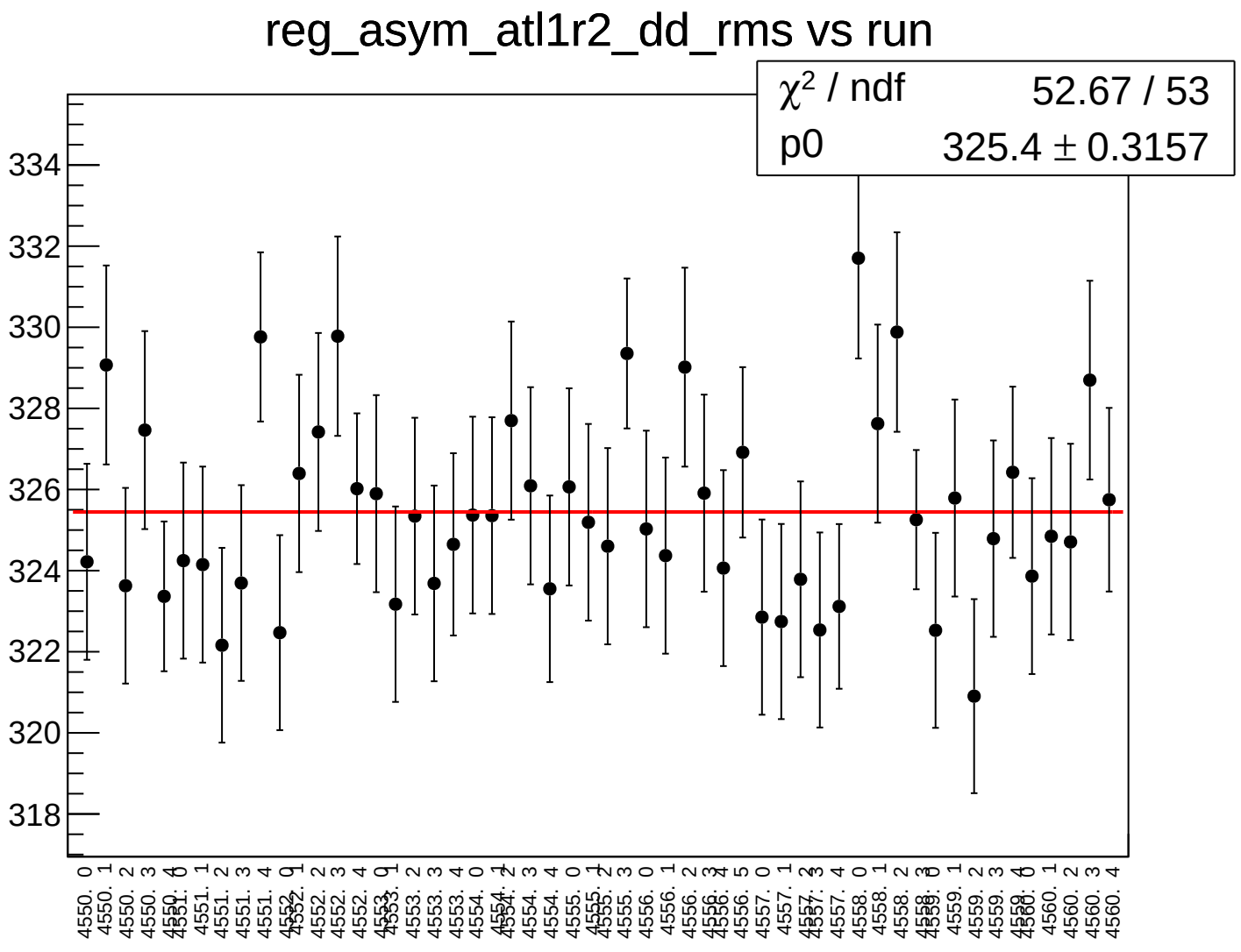

asym_atl1r2_avg_correction_rms vs run
χ² / ndf 1643 / 53
p0 1452 ± 1.41
1600
1550
1500
1450
1400
1350

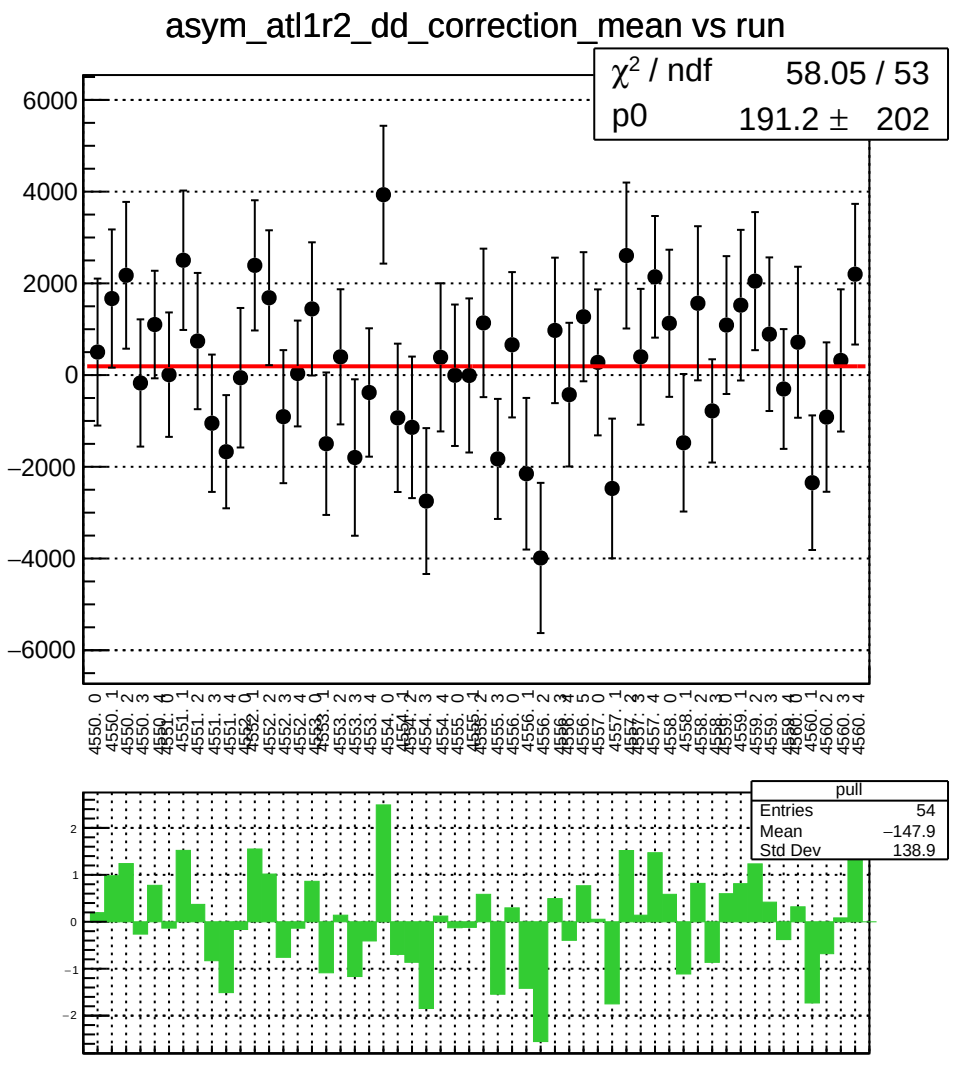

asym_atl1r2_avg_mean vs run
χ² / ndf 49.96 / 53
p0 2102 ± 2055
pull
Entries 54
Mean 300.6
Std Dev 272.4
pull1D
Entries 54
Mean −0.007702
Std Dev 0.9618

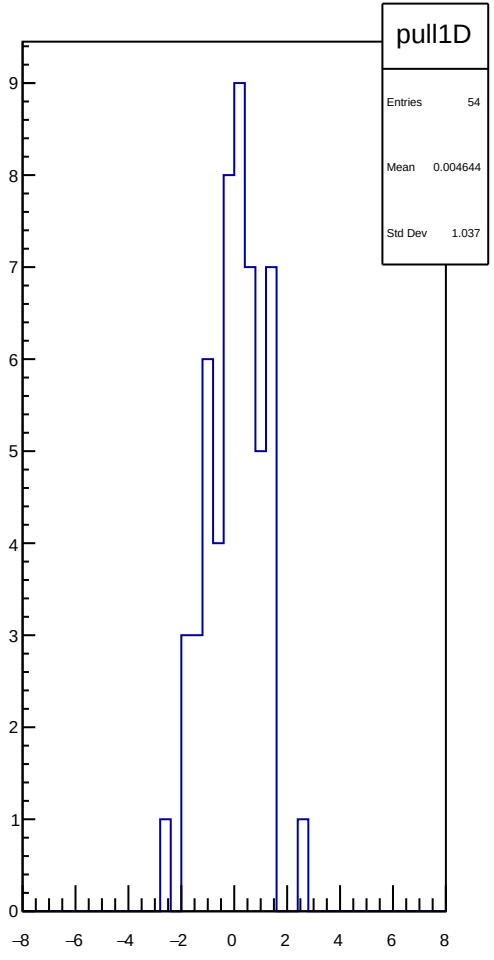

asym_atl1r2_avg_rms vs run
χ² / ndf 1473 / 53
p0 1497 ± 1.453
1650
1600
1550
1500
1450
1400
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

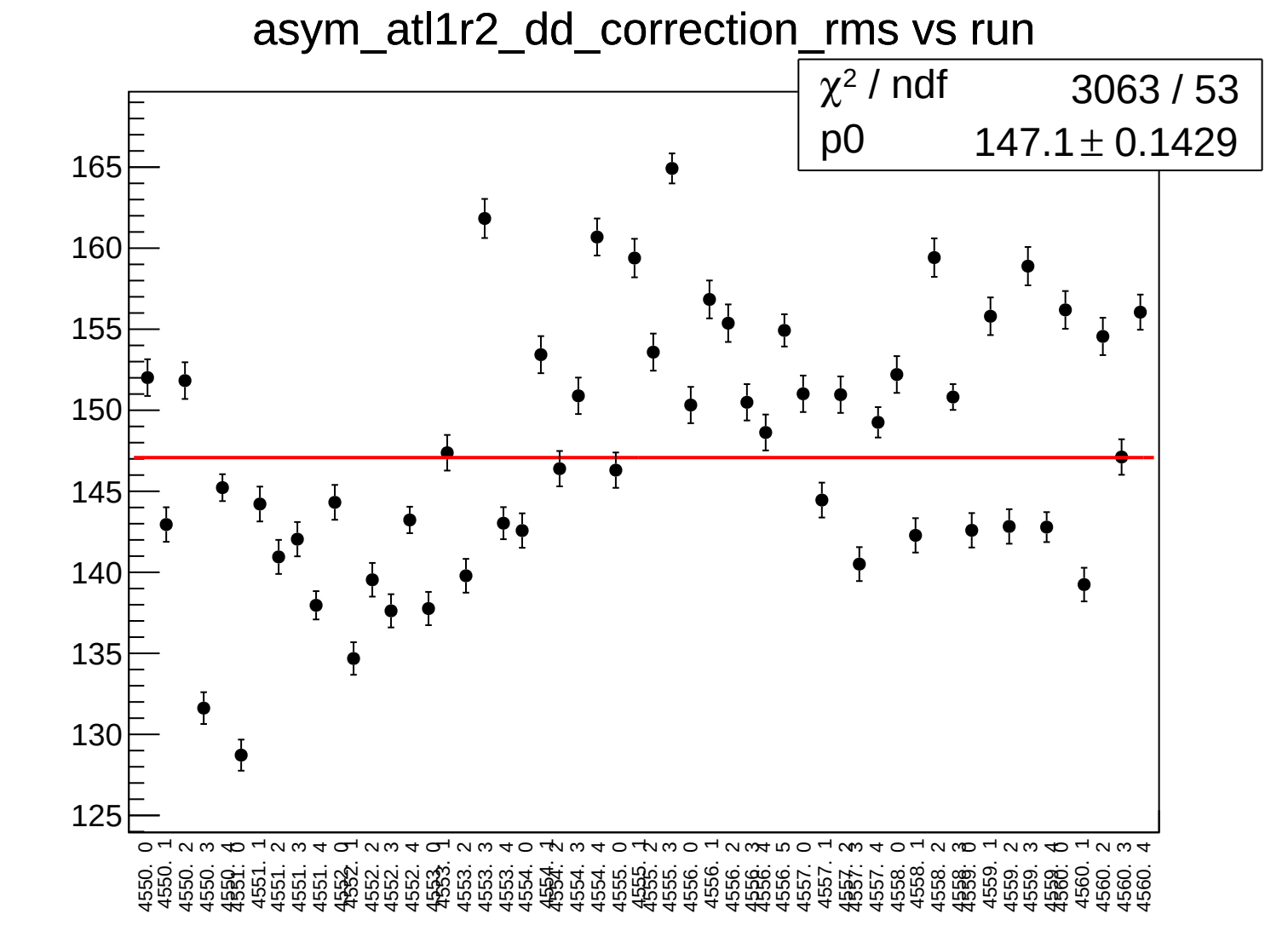

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 76.05 / 53
p0 153.2 ± 446.4
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −70.31
Std Dev 90.24
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.03028
Std Dev 1.186
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_dd_rms vs run
χ² / ndf 52.67 / 53
p0 325.4 ± 0.3157
334
332
330
328
326
324
322
320
318
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_atl1r2_dd_correction_mean vs run
χ² / ndf 58.05 / 53
p0 191.2 ± 202
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean −147.9
Std Dev 138.9
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.004644
Std Dev 1.037
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_correction_rms vs run
χ² / ndf 3063 / 53
p0 147.1 ± 0.1429
165
160
155
150
145
140
135
130
125
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
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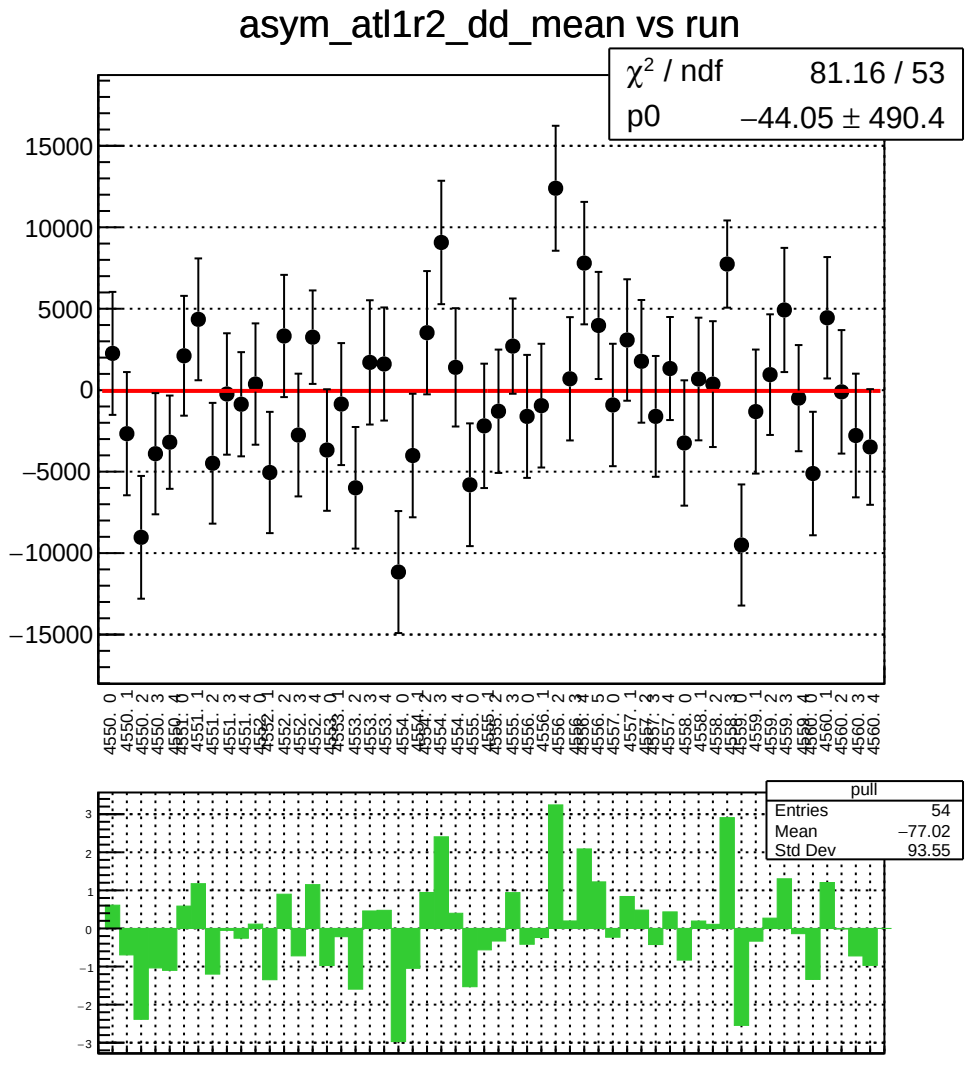
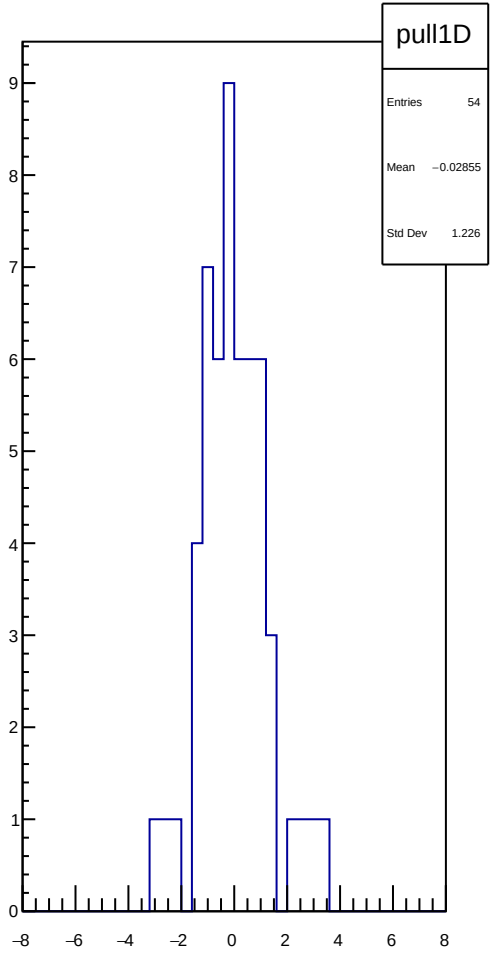
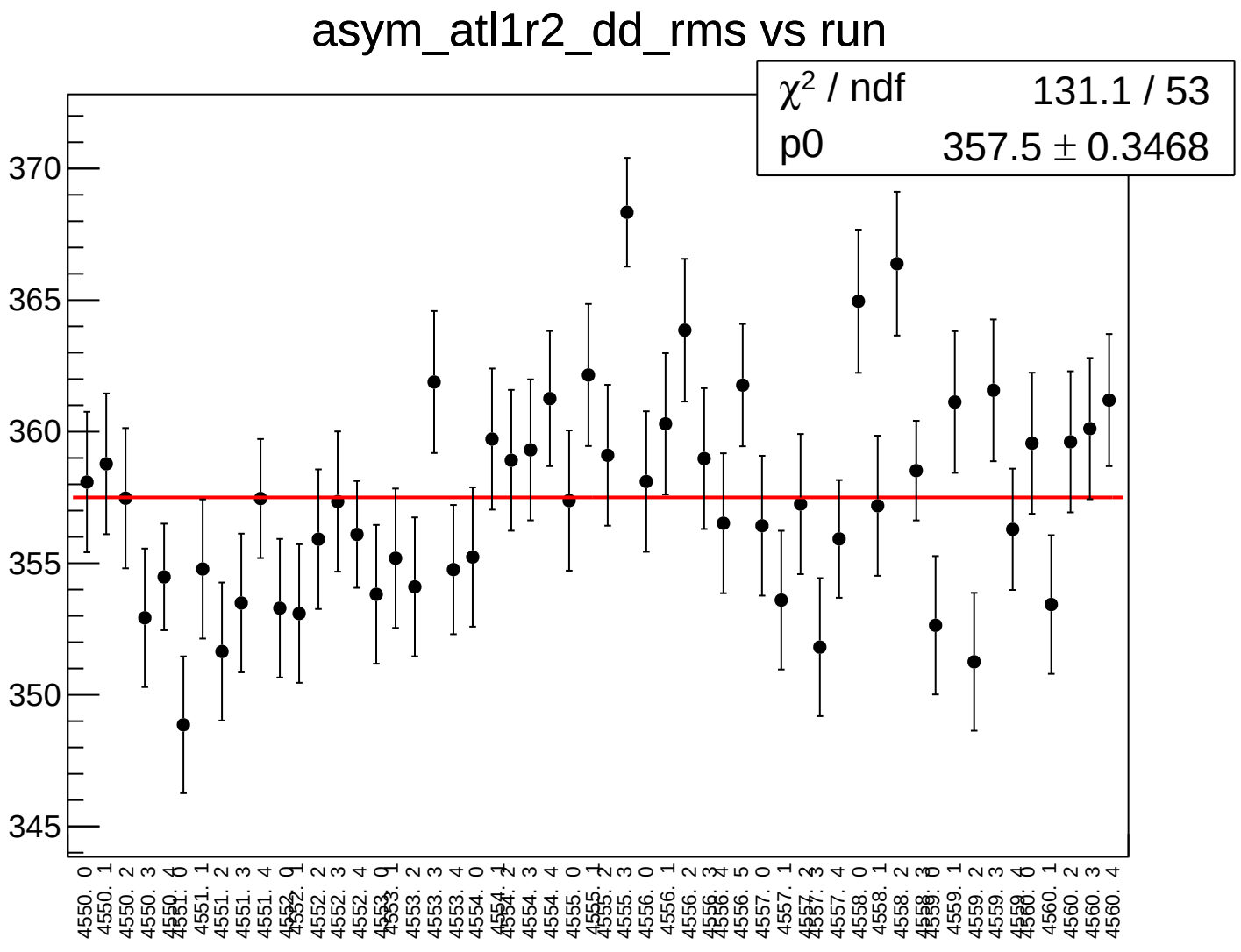
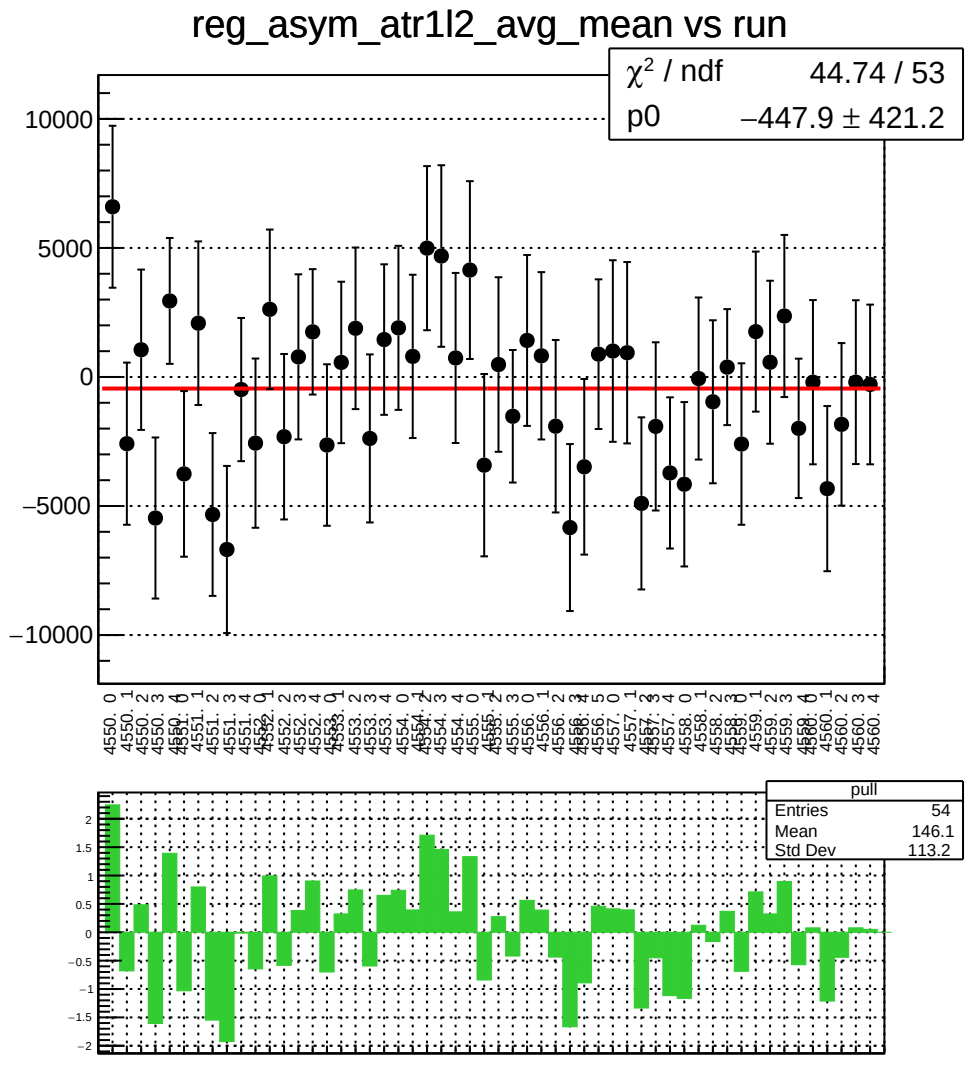
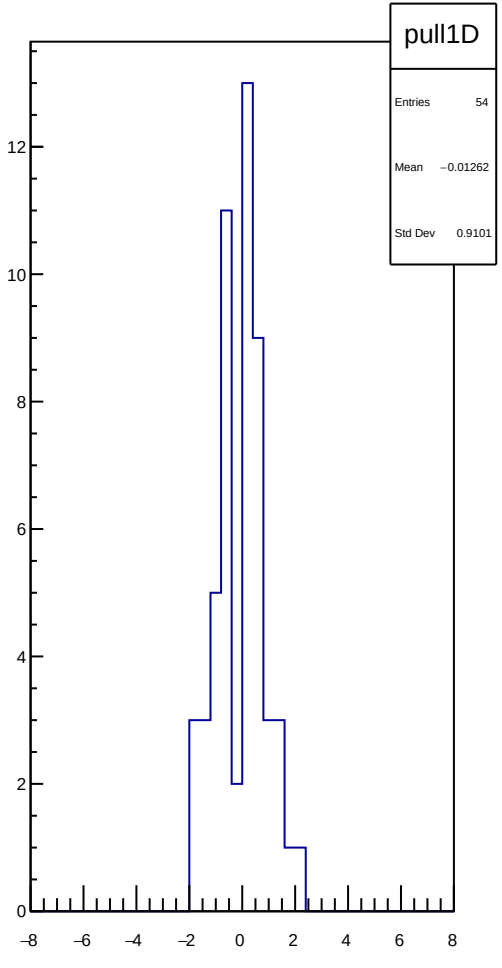
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

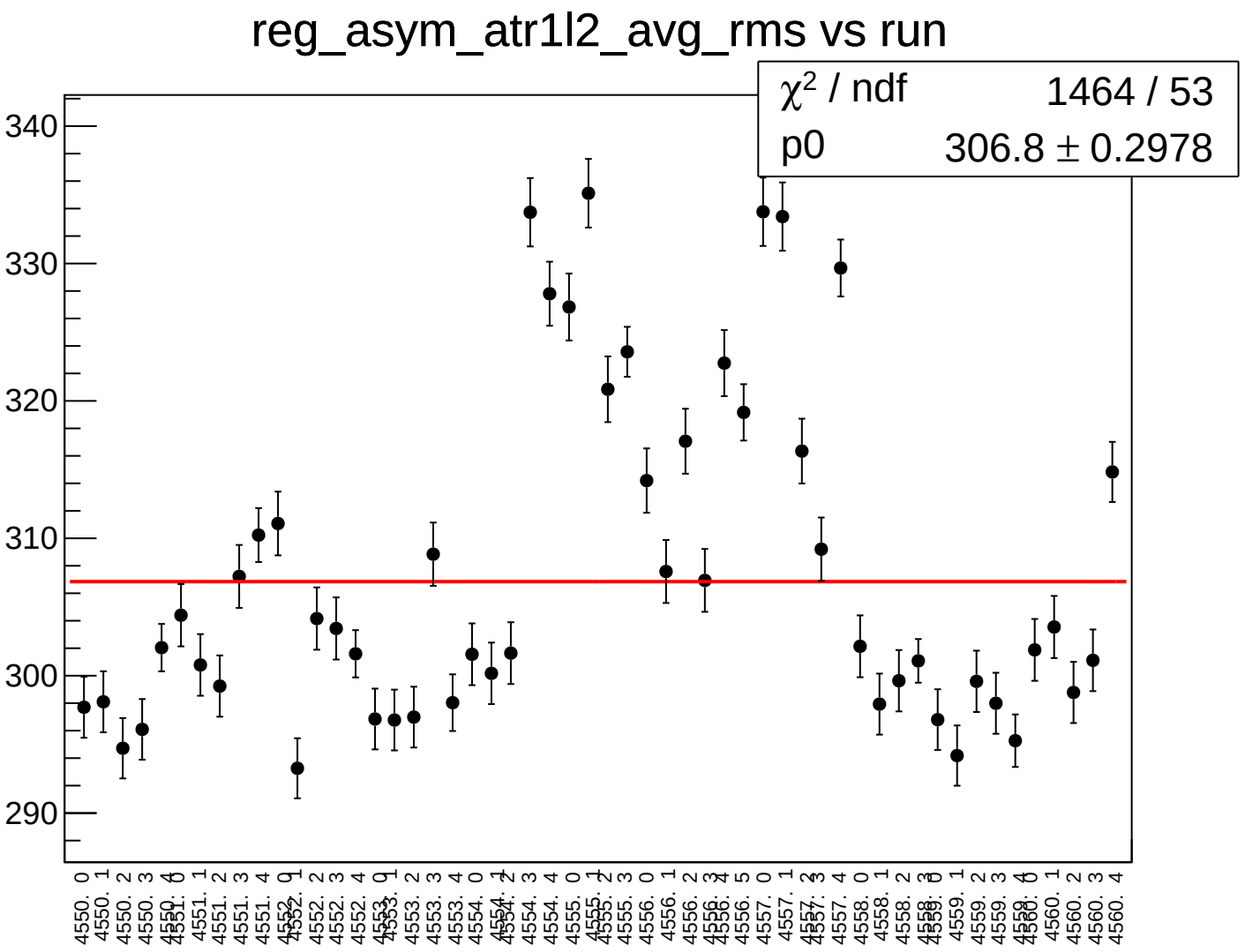

asym_atl1r2_dd_mean vs run
χ² / ndf 81.16 / 53
p0 −44.05 ± 490.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −77.02
Std Dev 93.55
3
2
1
0
−1
−2
−3

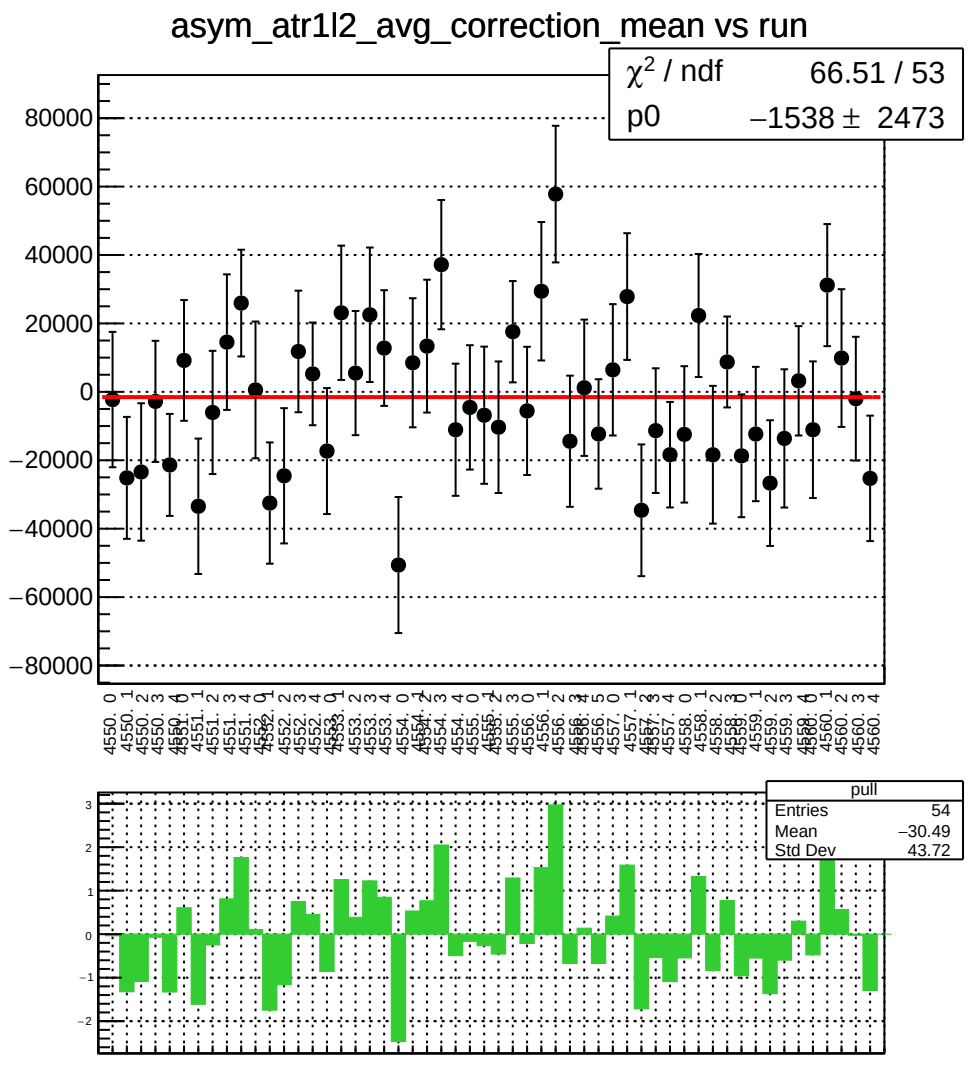

pull1D
Entries 54
Mean −0.02855
Std Dev 1.226
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

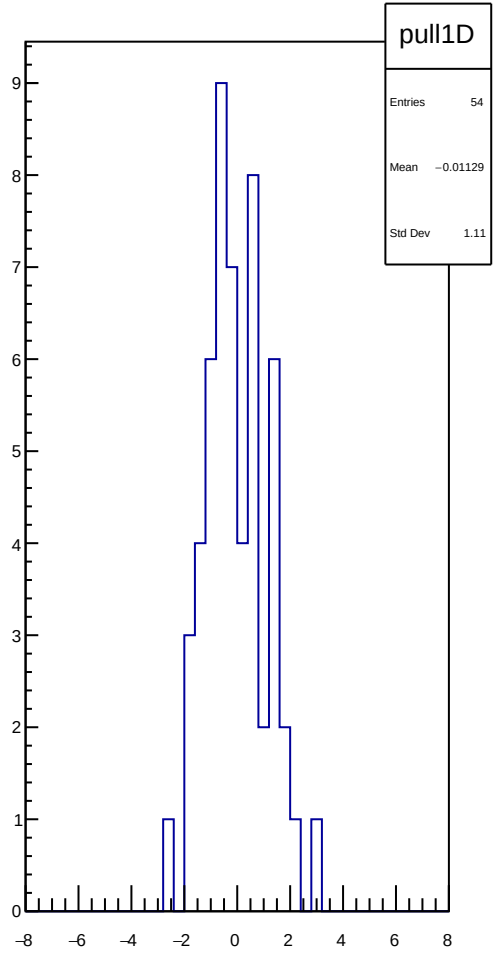

asym_atl1r2_dd_rms vs run
χ^2 / ndf 131.1 / 53
p0 357.5 ± 0.3468
370
365
360
355
350
345
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

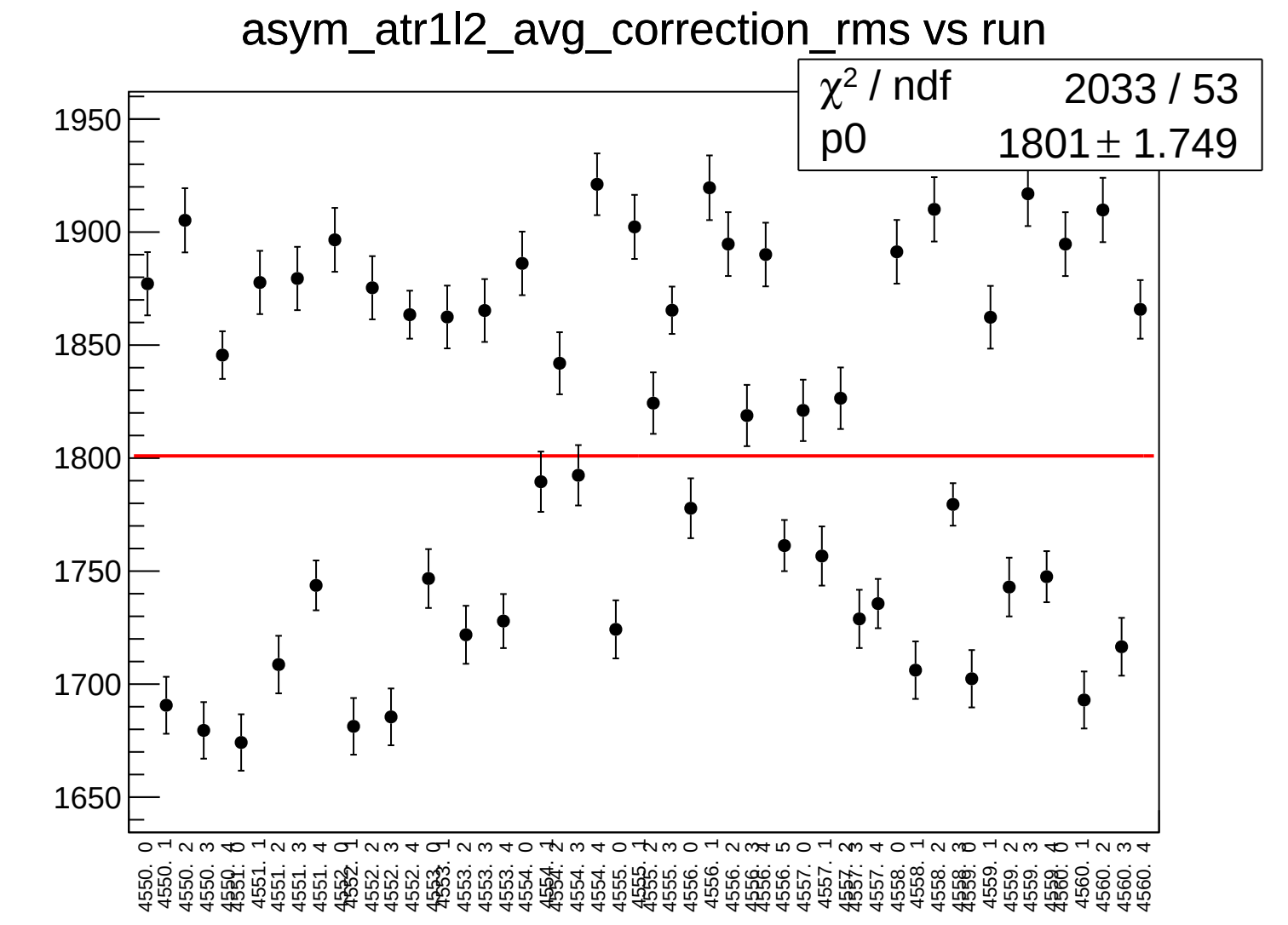

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 44.74 / 53
p0 −447.9 ± 421.2
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 146.1
Std Dev 113.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

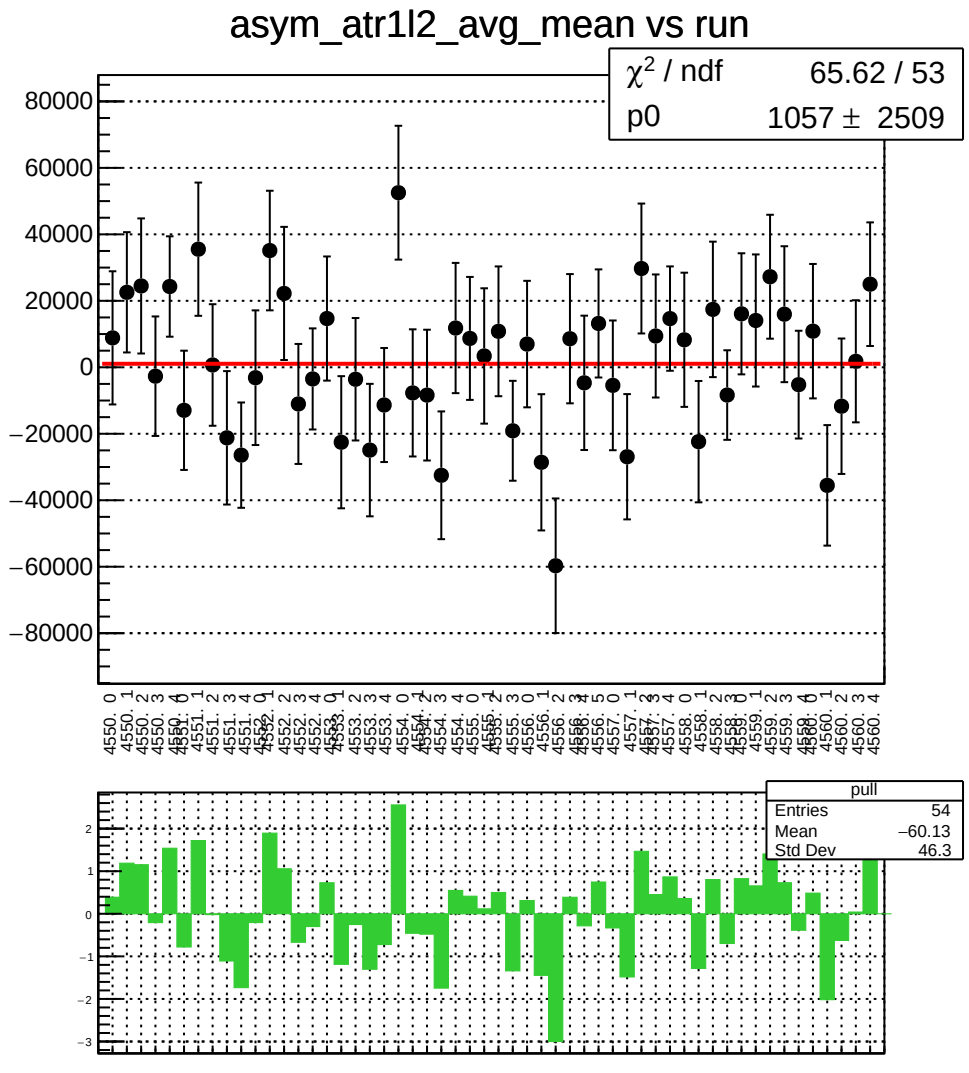

pull1D
Entries 54
Mean −0.01262
Std Dev 0.9101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

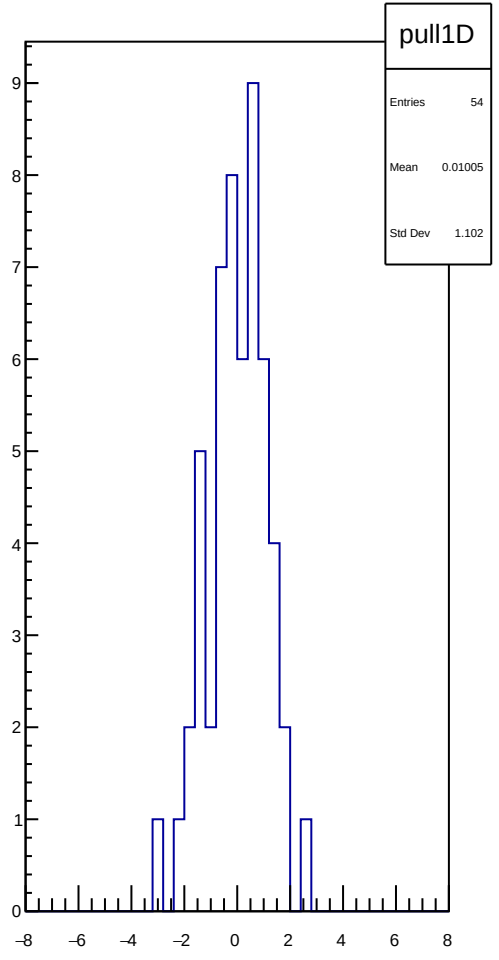

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 1464 / 53
p0 306.8 ± 0.2978
340
330
320
310
300
290
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

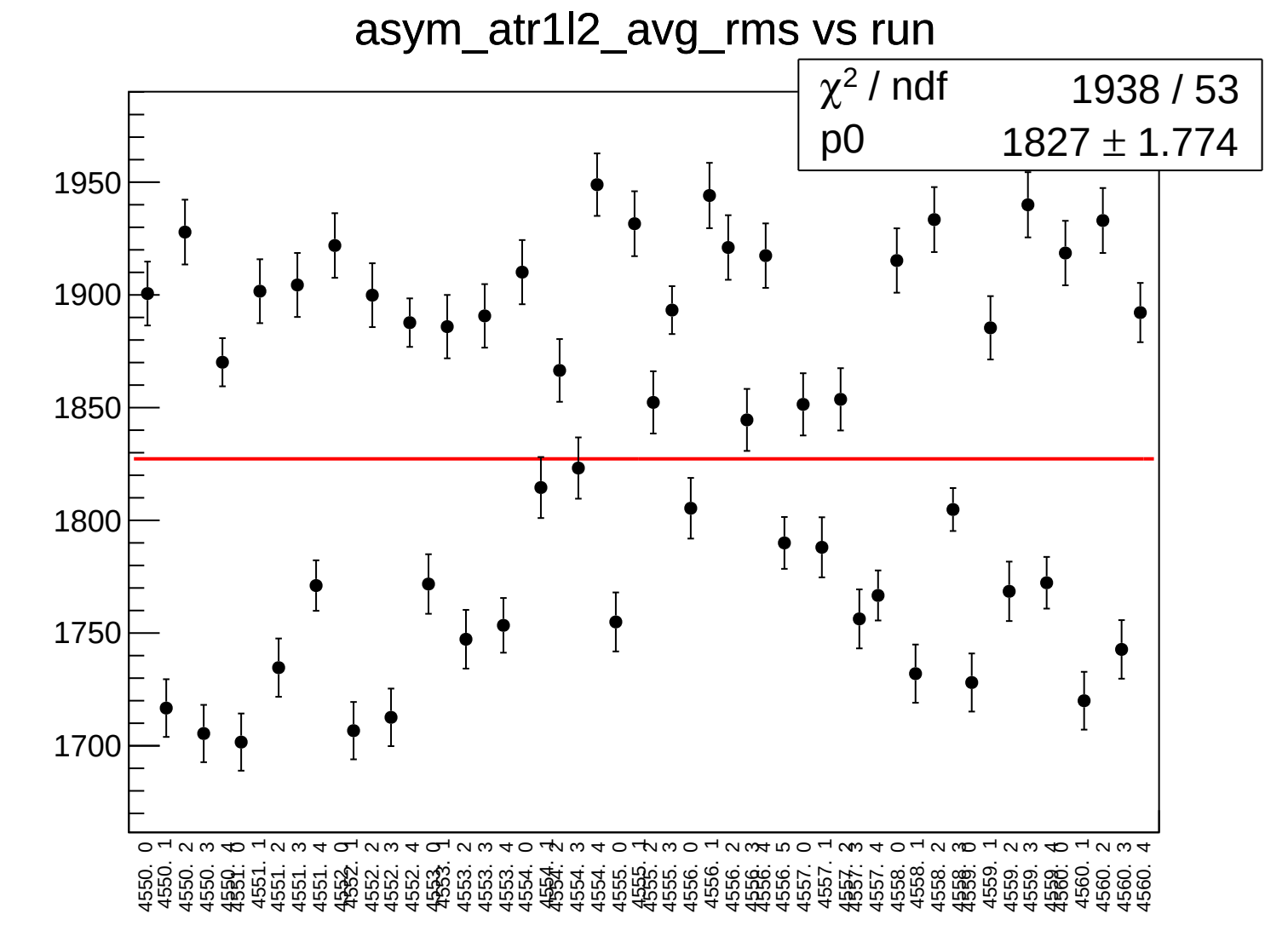

asym_atr1l2_avg_correction_mean vs run
χ² / ndf 66.51 / 53
p0 −1538 ± 2473
pull
Entries 54
Mean −30.49
Std Dev 43.72

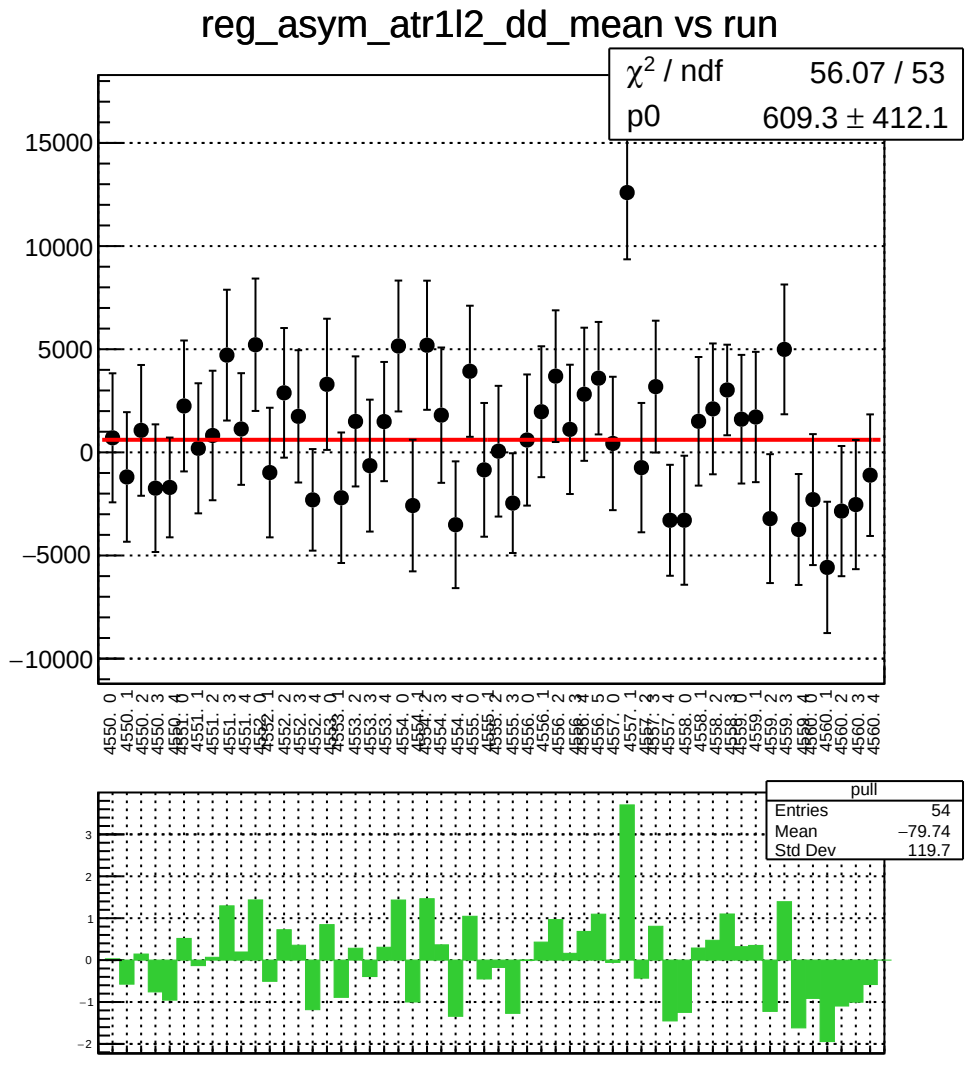

pull1D
Entries 54
Mean −0.01129
Std Dev 1.11

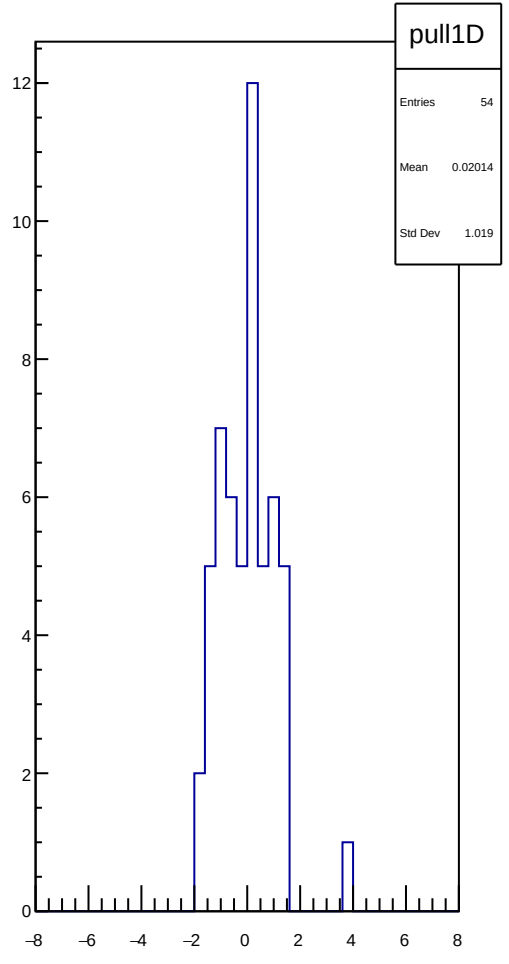

asym_atr1l2_avg_correction_rms vs run
χ² / ndf 2033 / 53
p0 1801 ± 1.749
1950
1900
1850
1800
1750
1700
1650
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

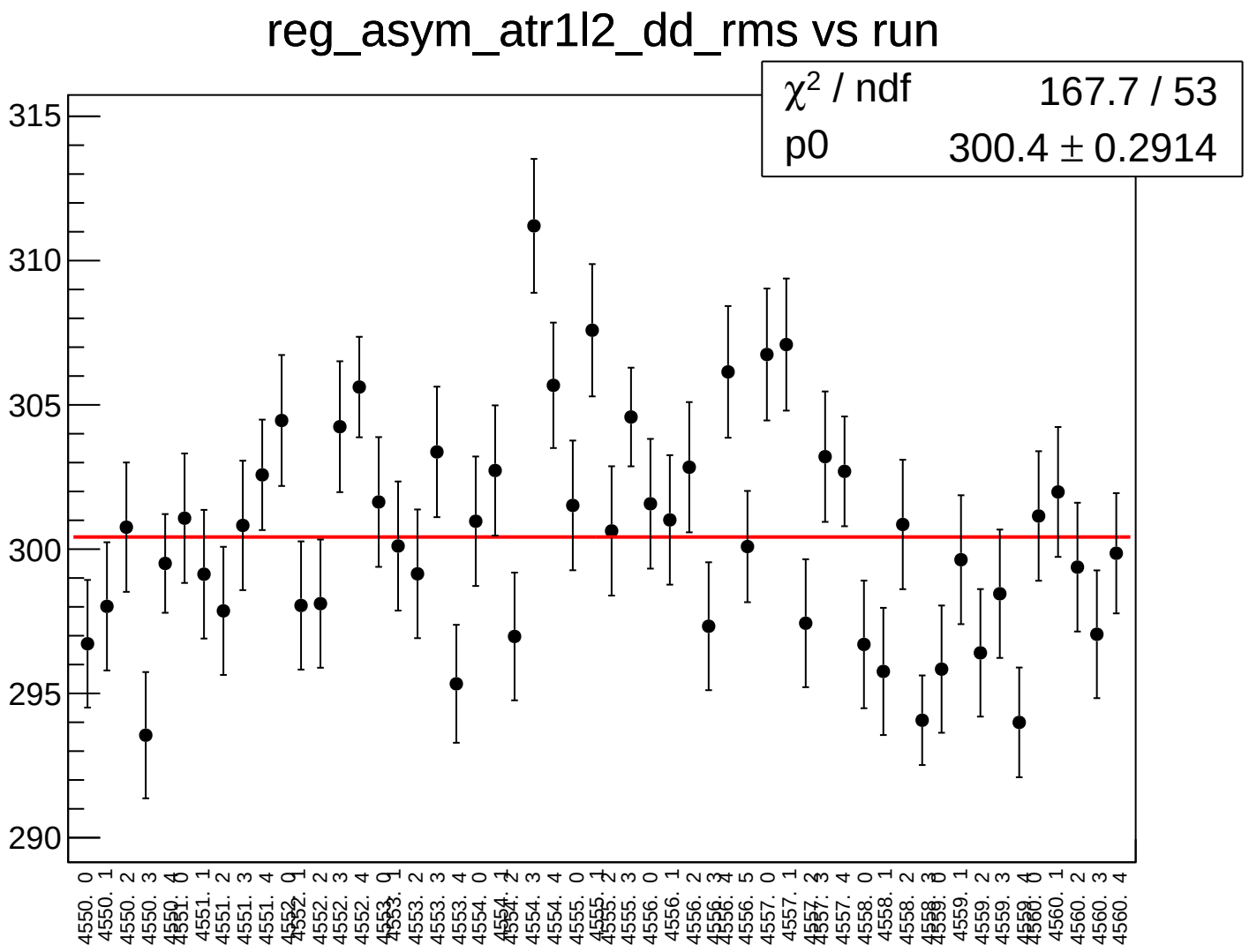

asym_atr1l2_avg_mean vs run
χ² / ndf 65.62 / 53
p0 1057 ± 2509
pull
Entries 54
Mean −60.13
Std Dev 46.3


pull1D
Entries 54
Mean 0.01005
Std Dev 1.102


asym_atr1l2_avg_rms vs run
χ² / ndf 1938 / 53
p0 1827 ± 1.774
1950
1900
1850
1800
1750
1700
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


reg_asym_atr1l2_dd_mean vs run
χ² / ndf 56.07 / 53
p0 609.3 ± 412.1
pull
Entries 54
Mean −79.74
Std Dev 119.7


pull1D
Entries 54
Mean 0.02014
Std Dev 1.019


reg_asym_atr1l2_dd_rms vs run
χ² / ndf 167.7 / 53
p0 300.4 ± 0.2914
315
310
305
300
295
290
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
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4559. 2
4559. 3
4559. 4
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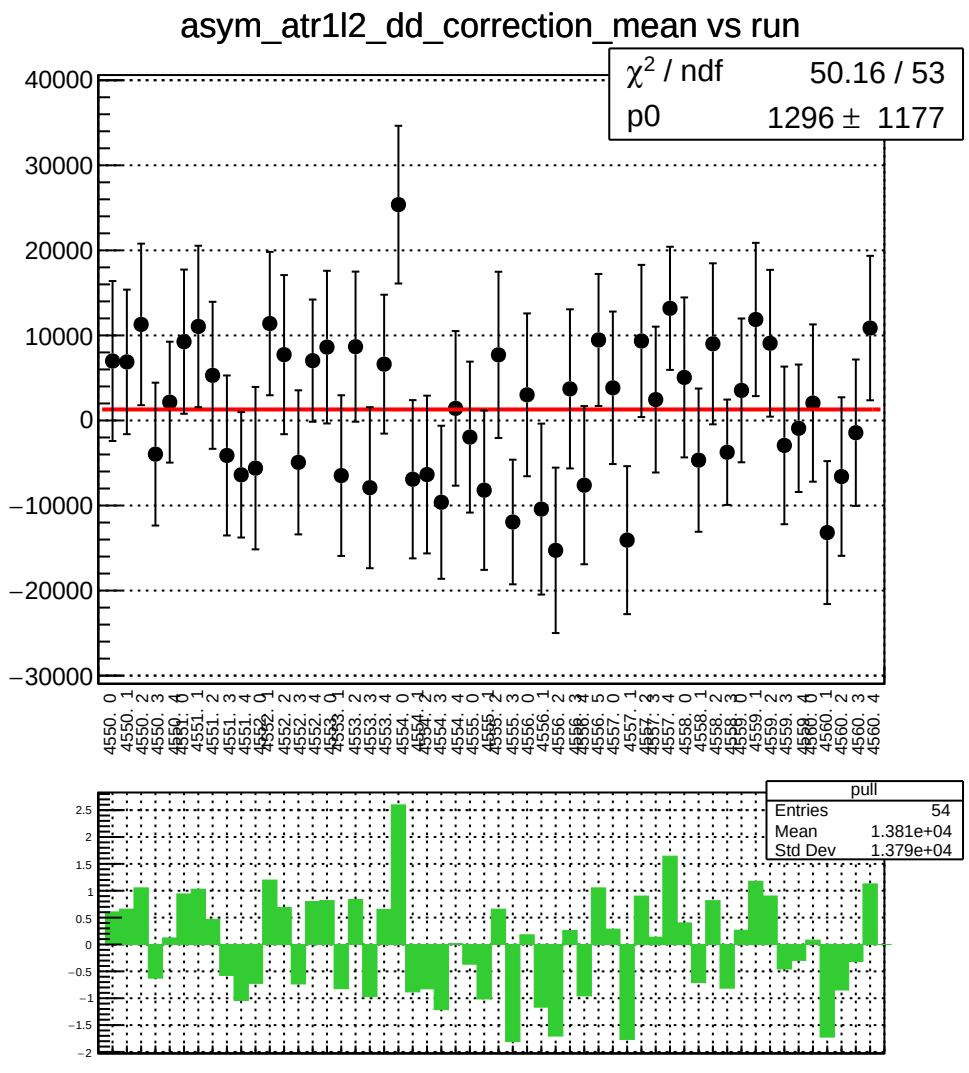
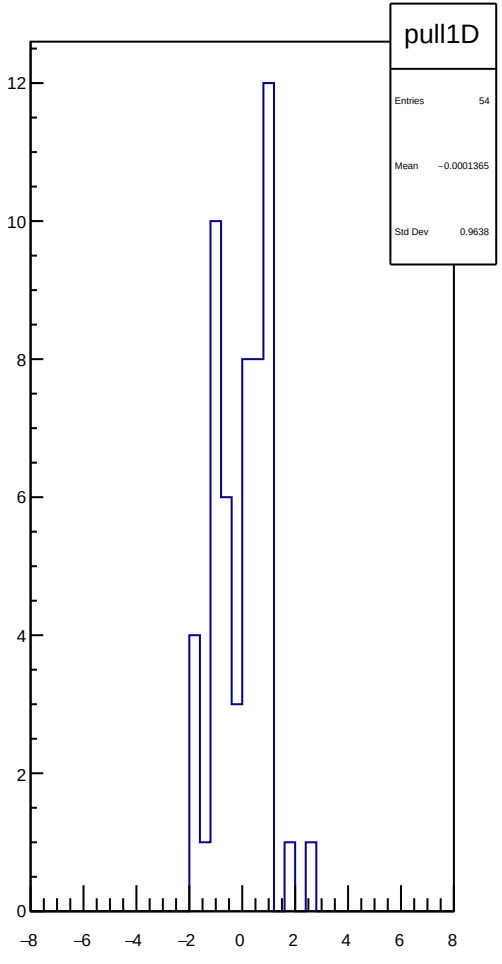
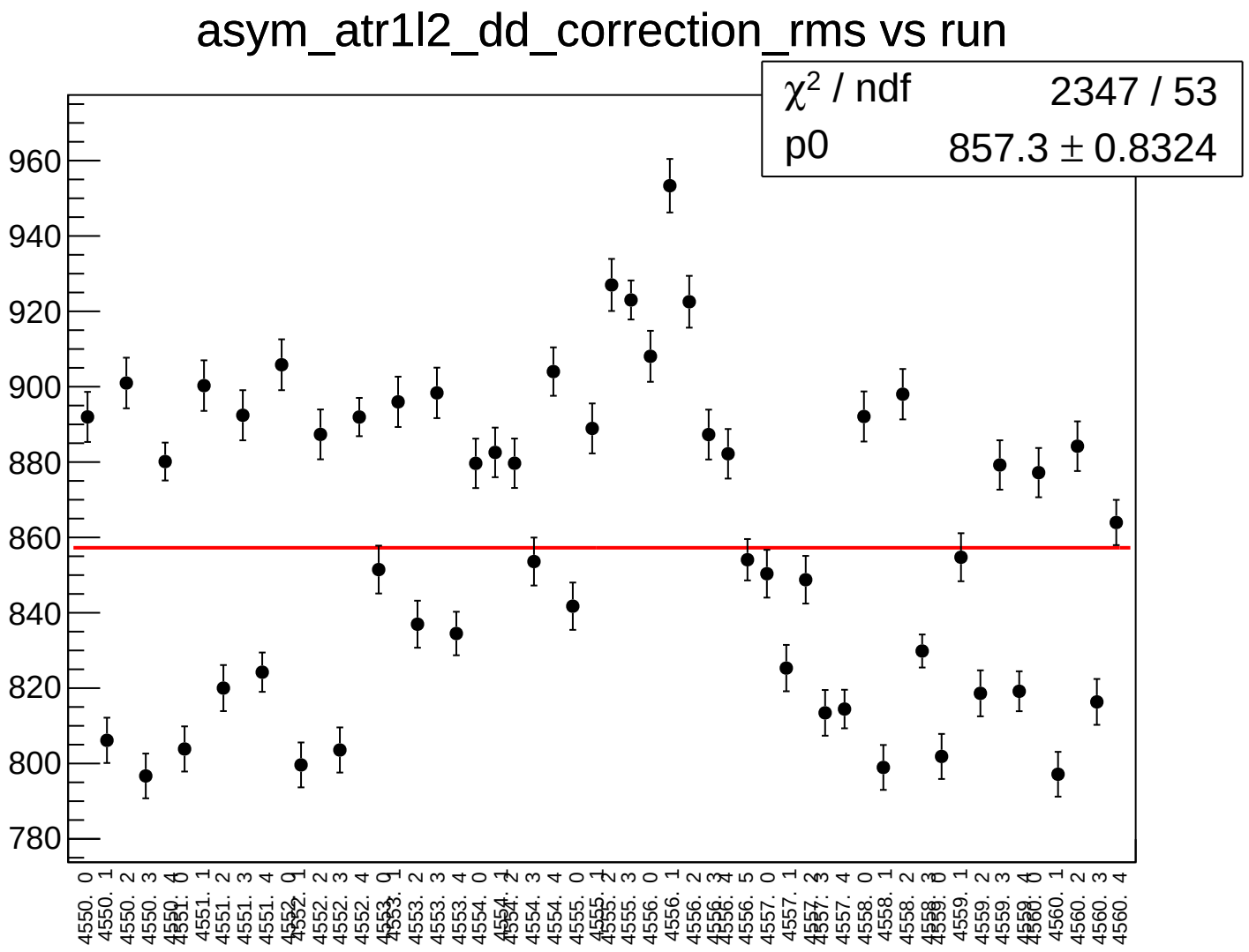
4560. 1
4560. 2
4560. 3
4560. 4


asym_atr1l2_dd_correction_mean vs run
χ² / ndf 50.16 / 53
p0 1296 ± 1177
pull
Entries 54
Mean 1.381e+04
Std Dev 1.379e+04


pull1D
Entries 54
Mean −0.0001365
Std Dev 0.9638


asym_atr1l2_dd_correction_rms vs run
χ² / ndf 2347 / 53
p0 857.3 ± 0.8324
960
940
920
900
880
860
840
820
800
780
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
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4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
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4558. 1
4558. 2
4558. 3
4558. 4
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4559. 2
4559. 3
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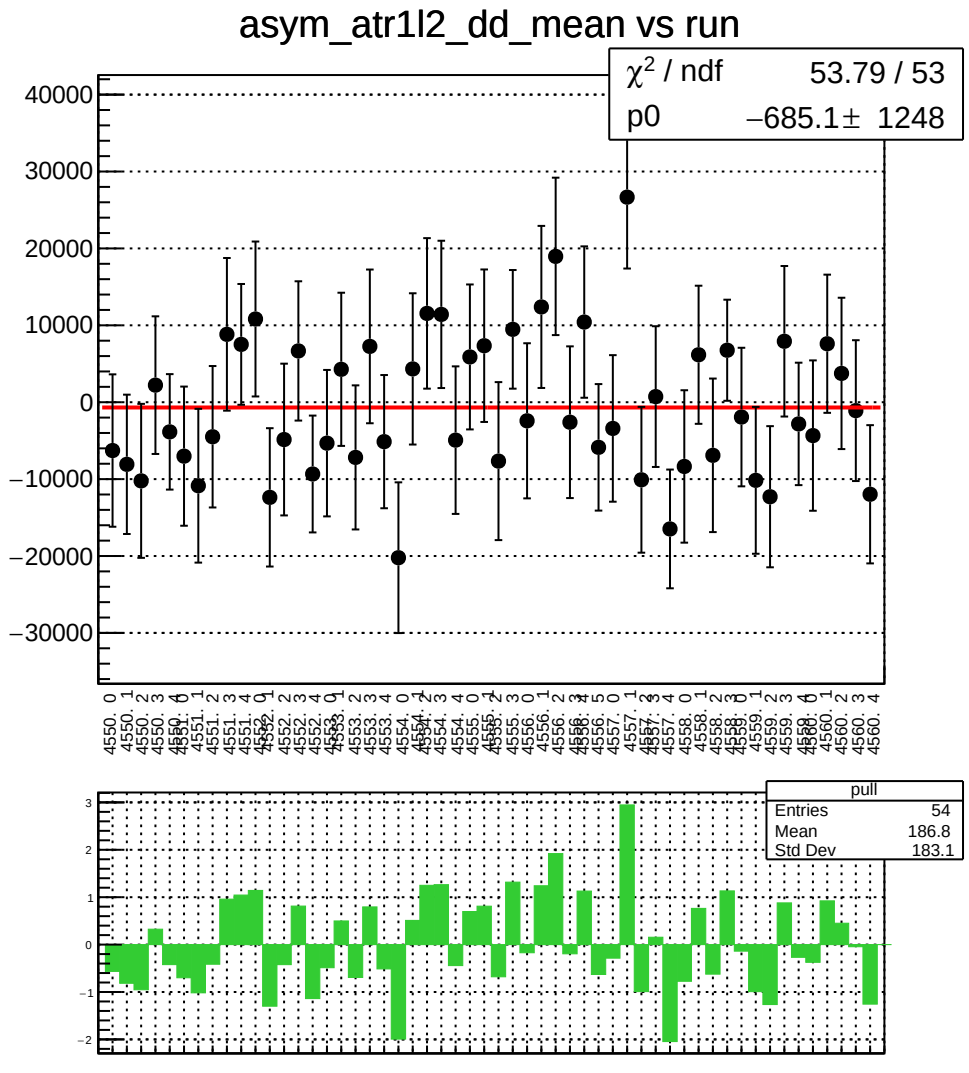
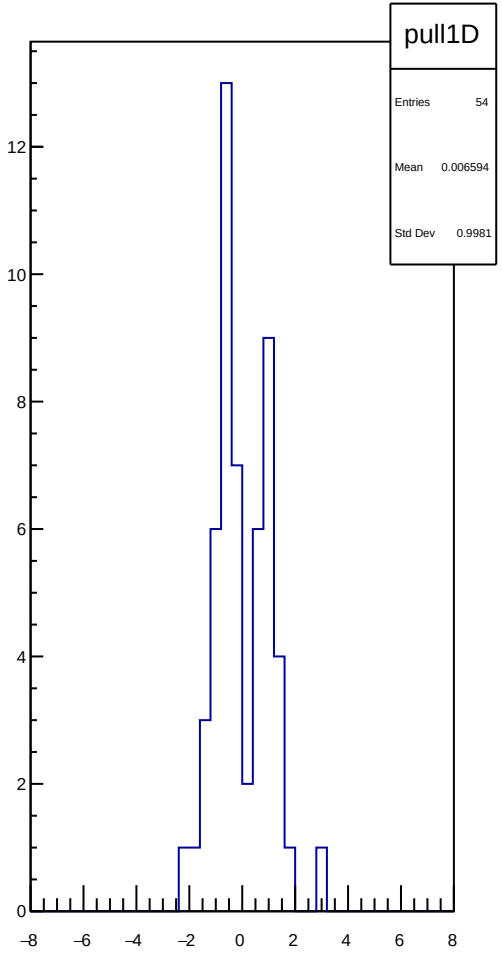
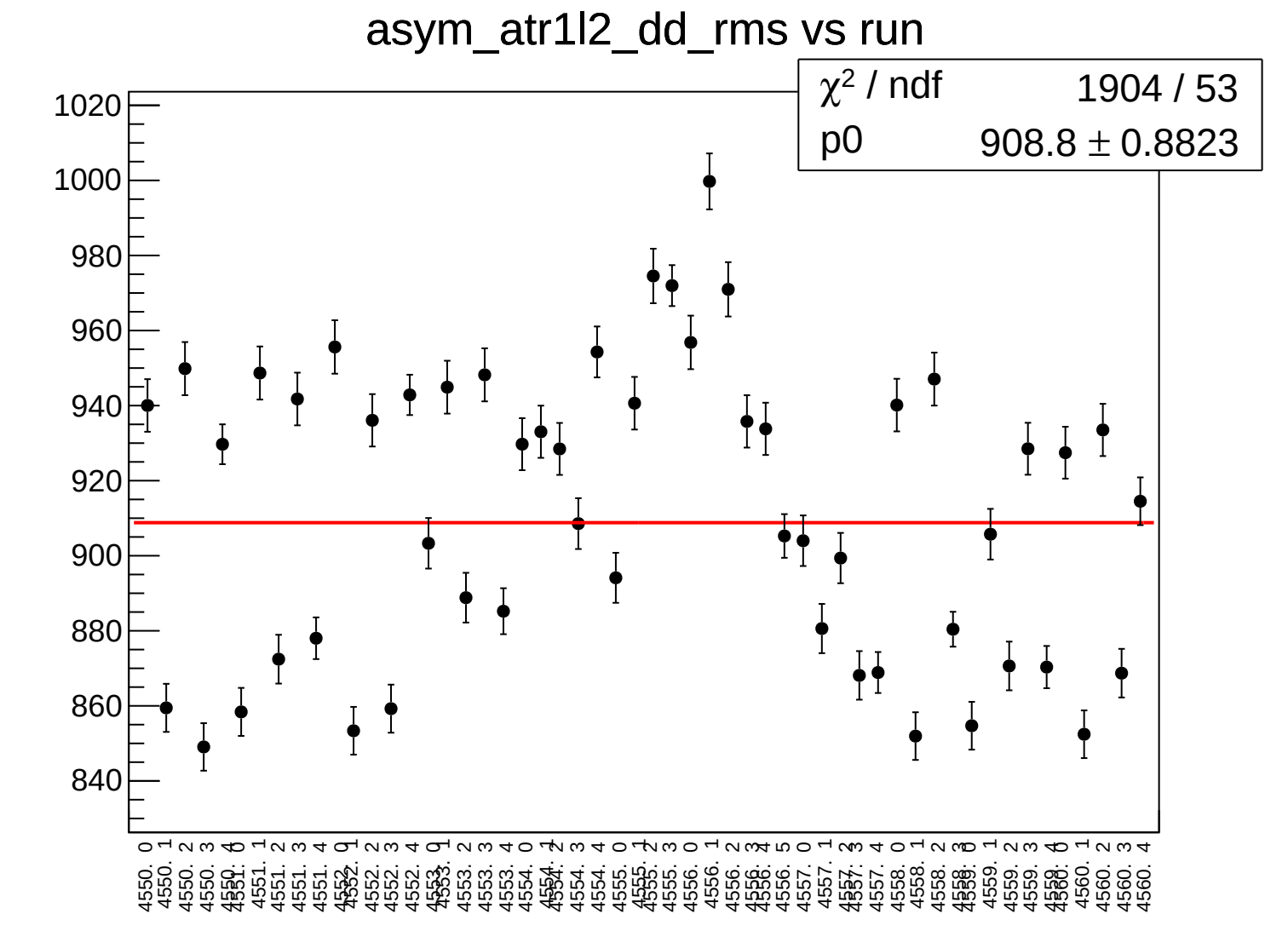
4560. 4


asym_atr1l2_dd_mean vs run
χ² / ndf 53.79 / 53
p0 −685.1± 1248
pull
Entries 54
Mean 186.8
Std Dev 183.1


pull1D
Entries 54
Mean 0.006594
Std Dev 0.9981


asym_atr1l2_dd_rms vs run
χ² / ndf 1904 / 53
p0 908.8 ± 0.8823
1020
1000
980
960
940
920
900
880
860
840
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
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4558. 2
4558. 3
4558. 4
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4559. 2
4559. 3
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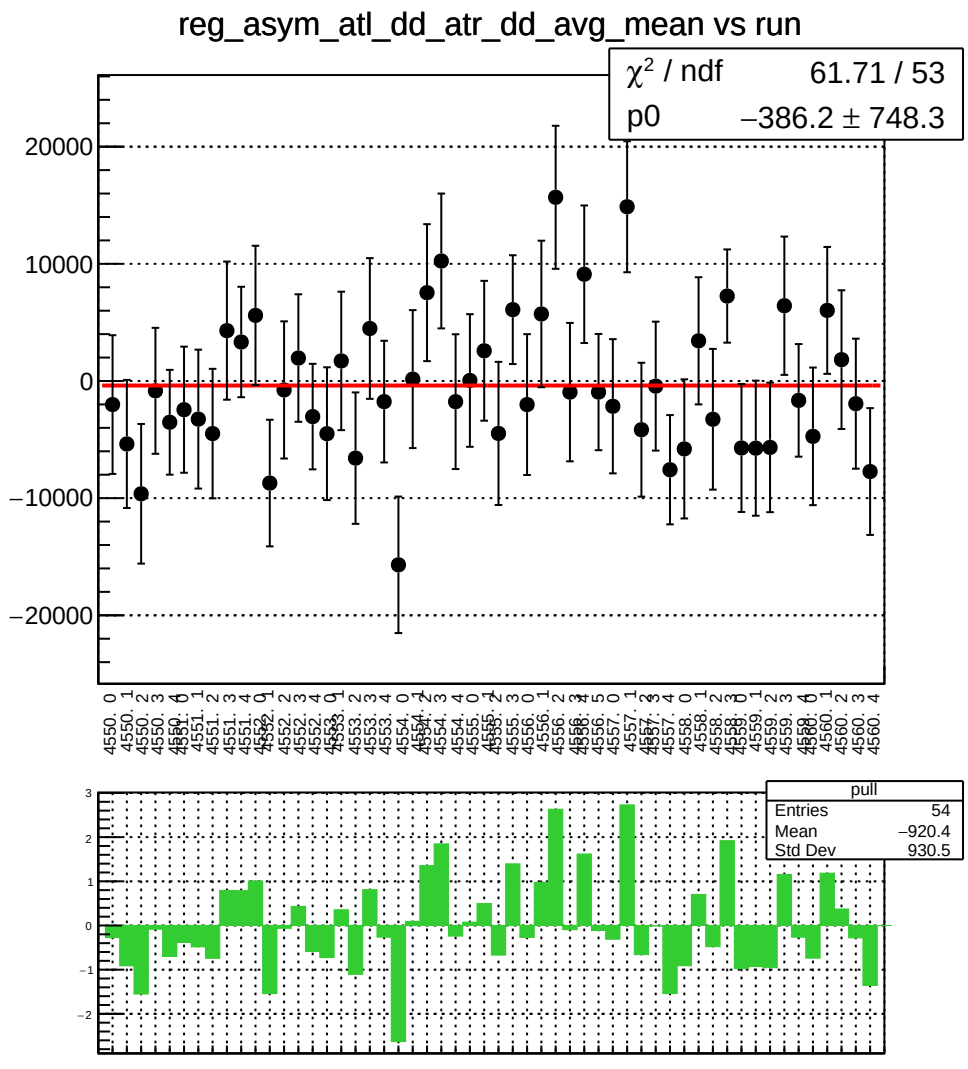
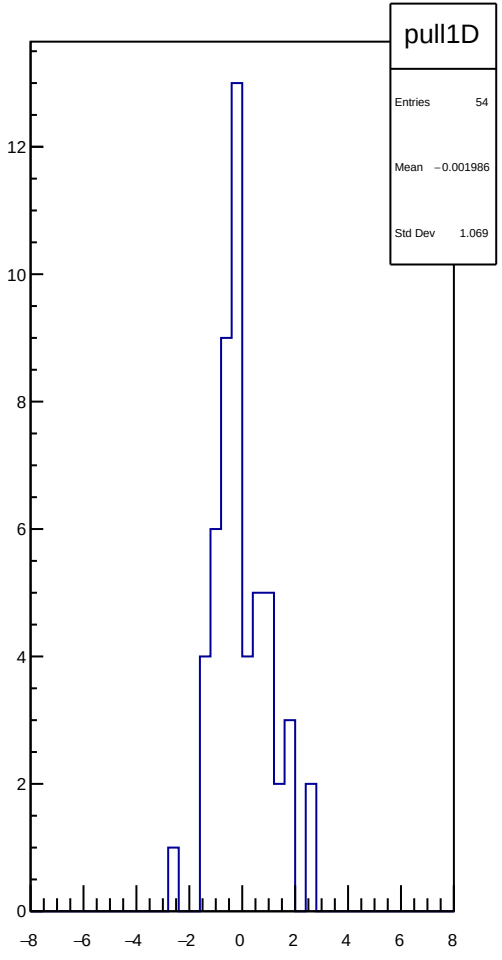
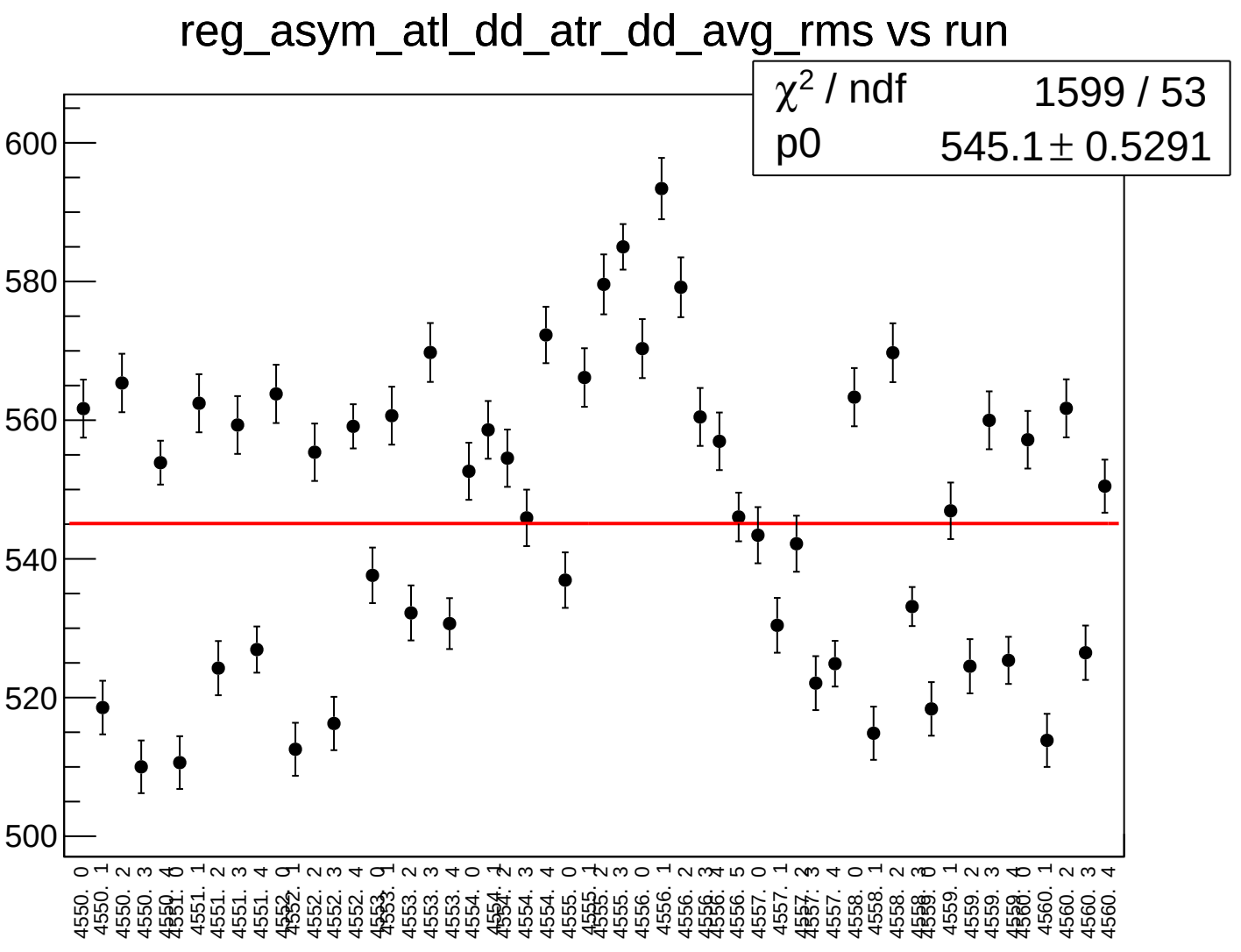
4560. 1
4560. 2
4560. 3
4560. 4


reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 61.71 / 53
p0 −386.2 ± 748.3
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −920.4
Std Dev 930.5
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.001986
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1599 / 53
p0 545.1 ± 0.5291
600
580
560
540
520
500
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
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4553. 4
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4554. 2
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4555. 1
4555. 2
4555. 3
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4556. 3
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4556. 5
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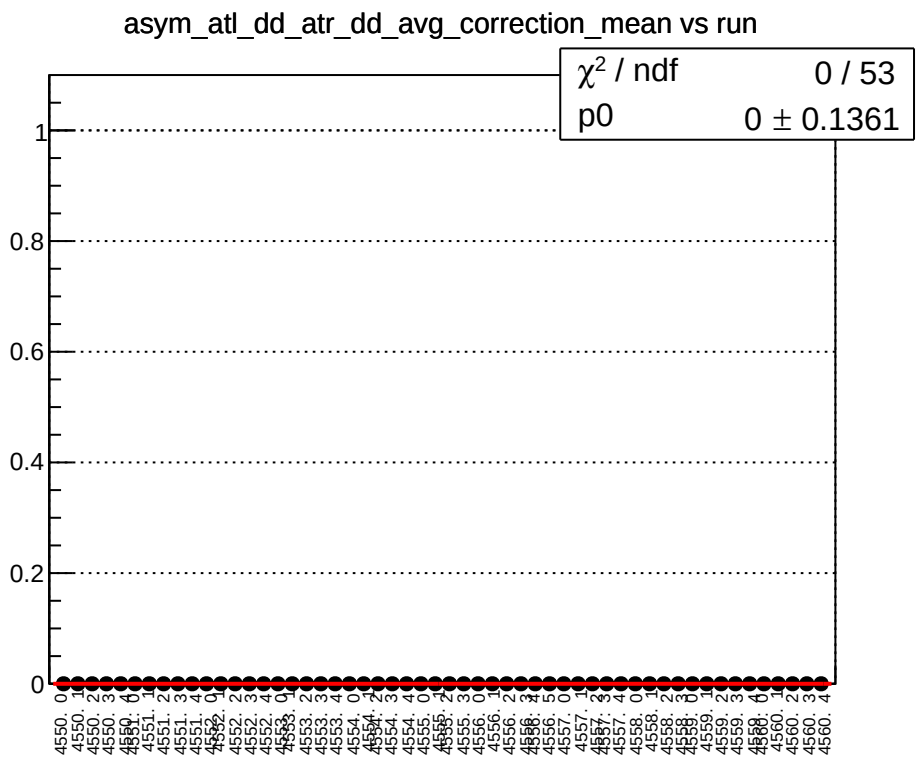
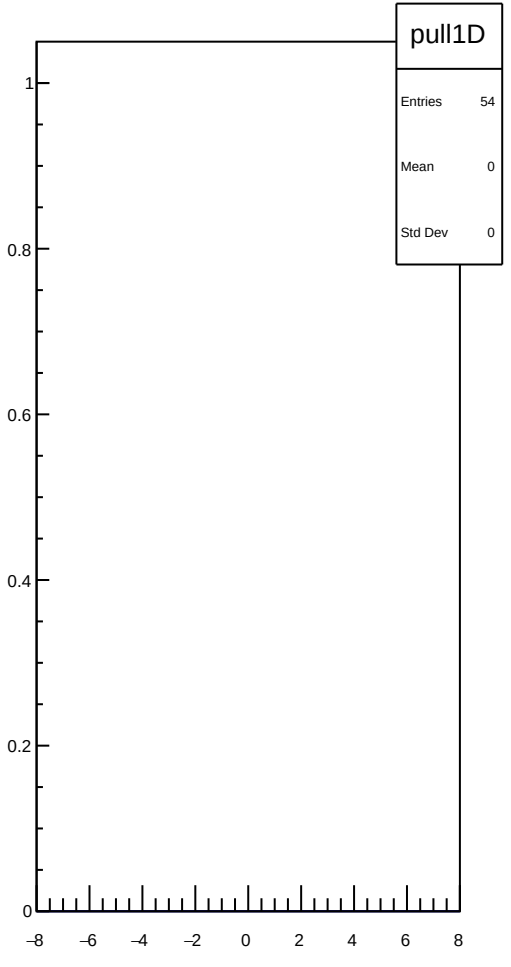
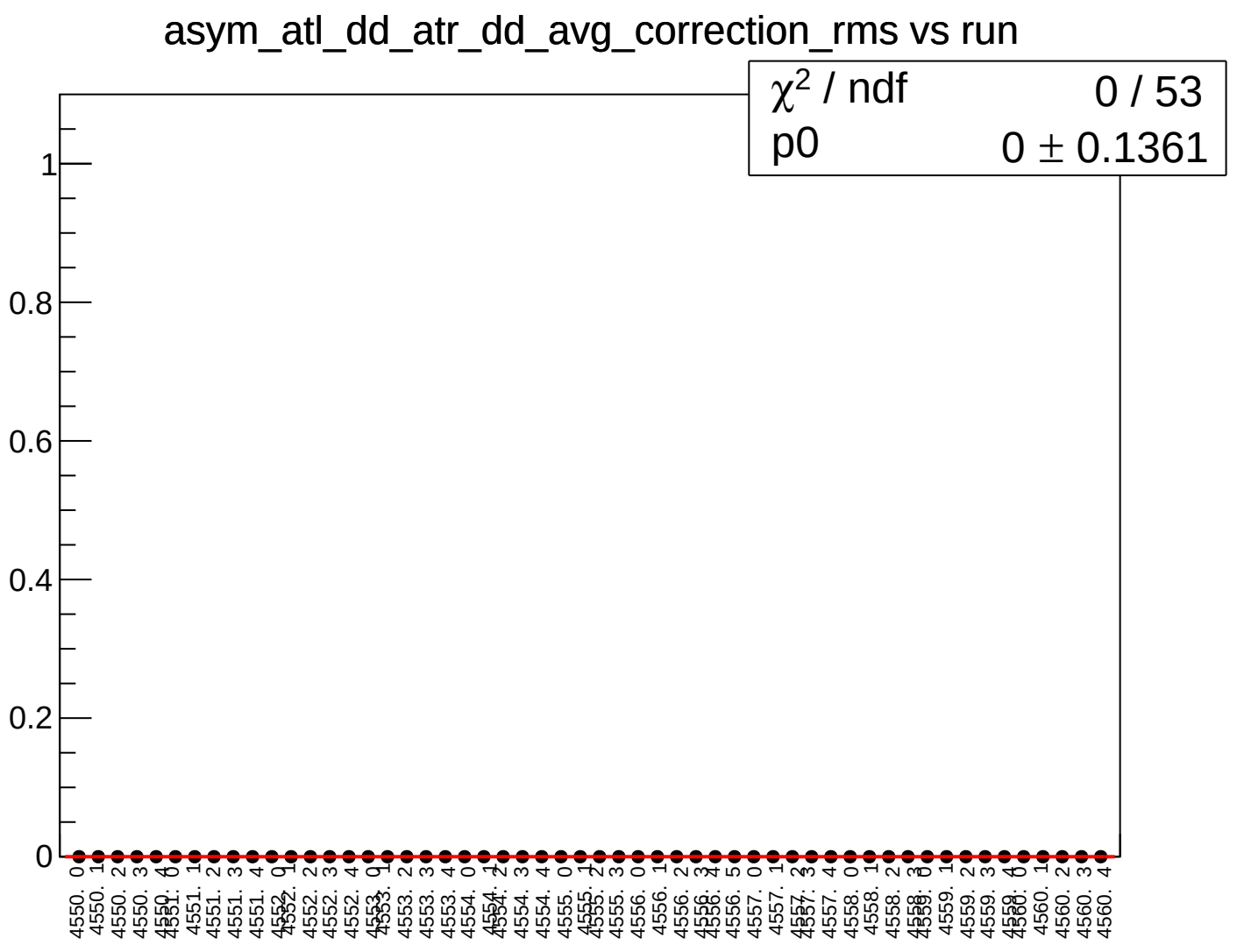
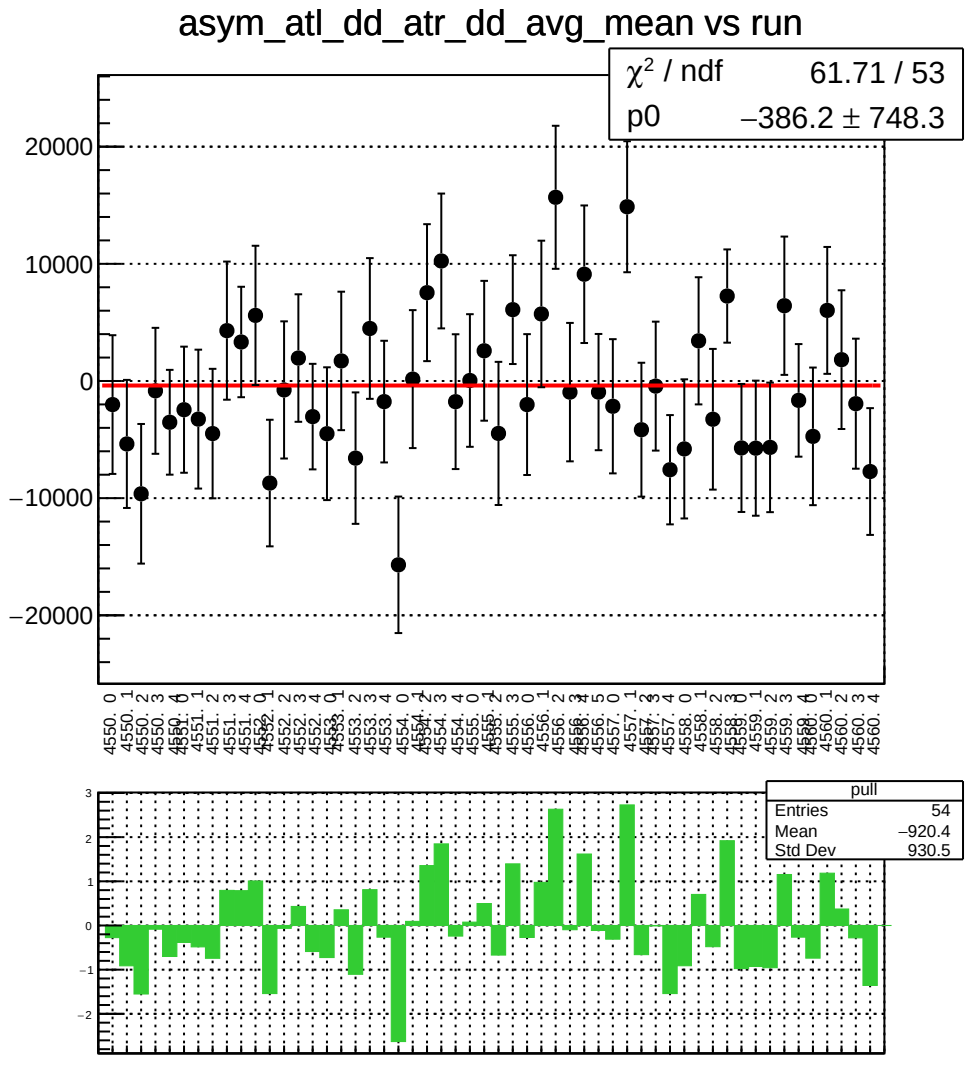
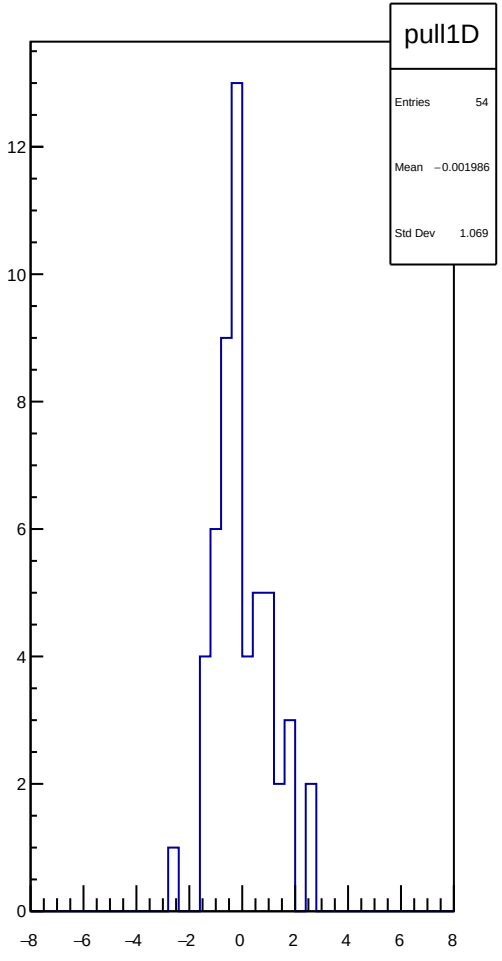
4560. 4

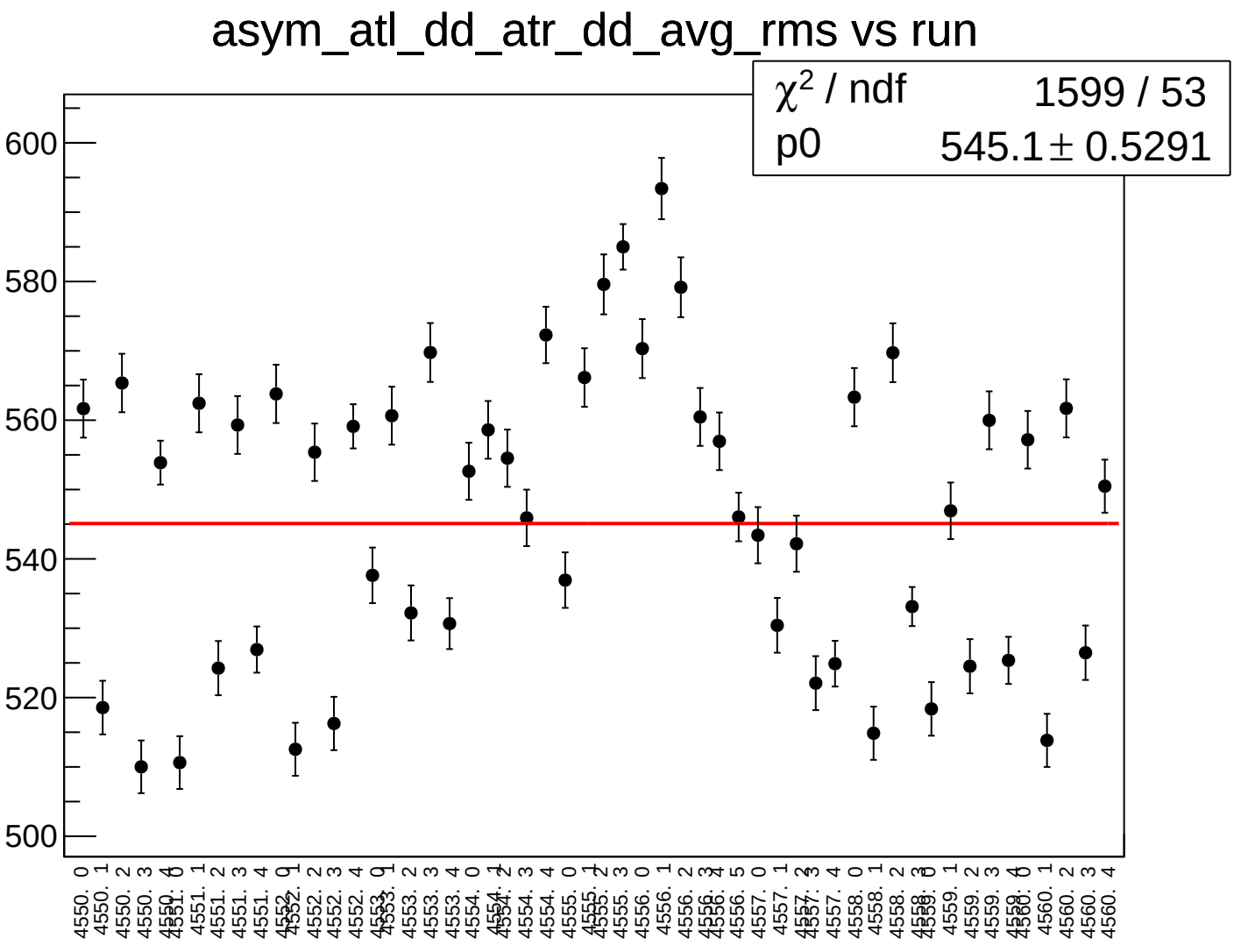

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 0 / 53
p0 0 ± 0.1361
1
0.8
0.6
0.4
0.2
0

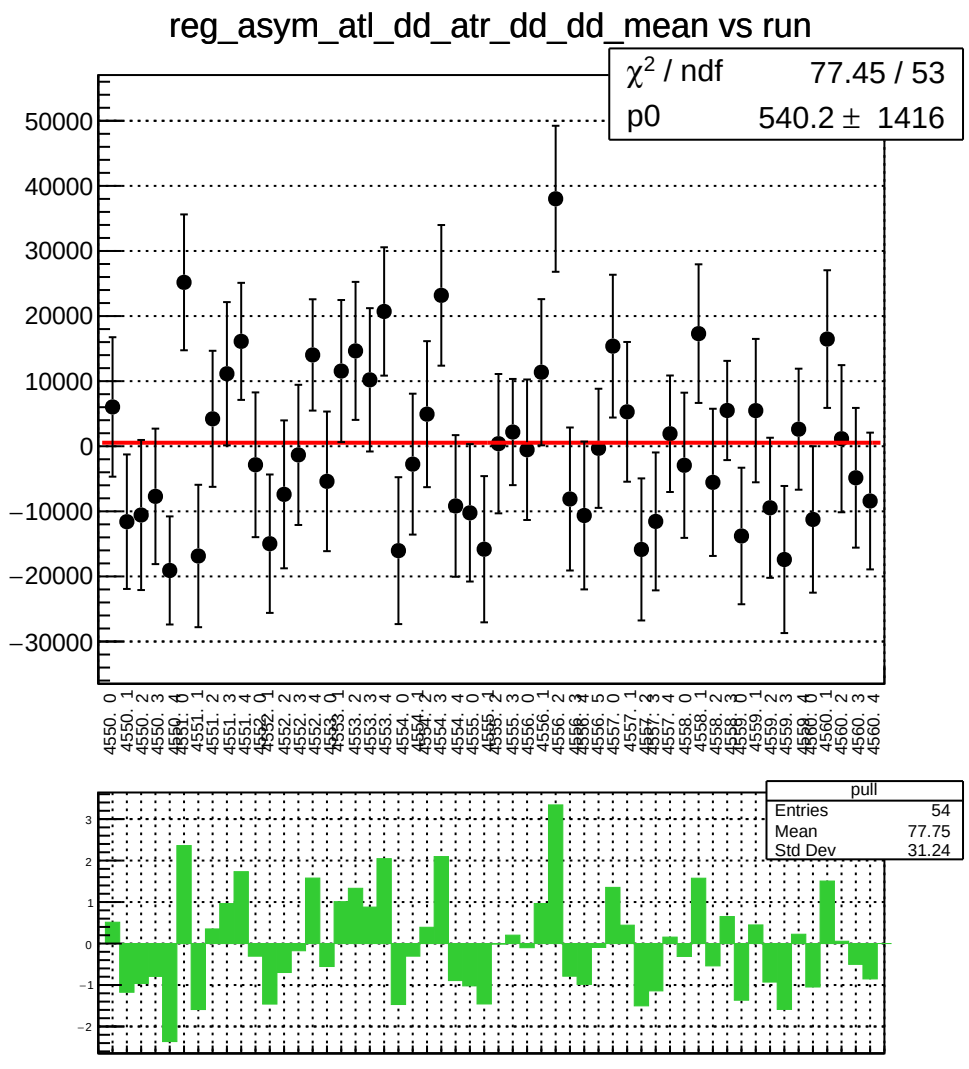

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

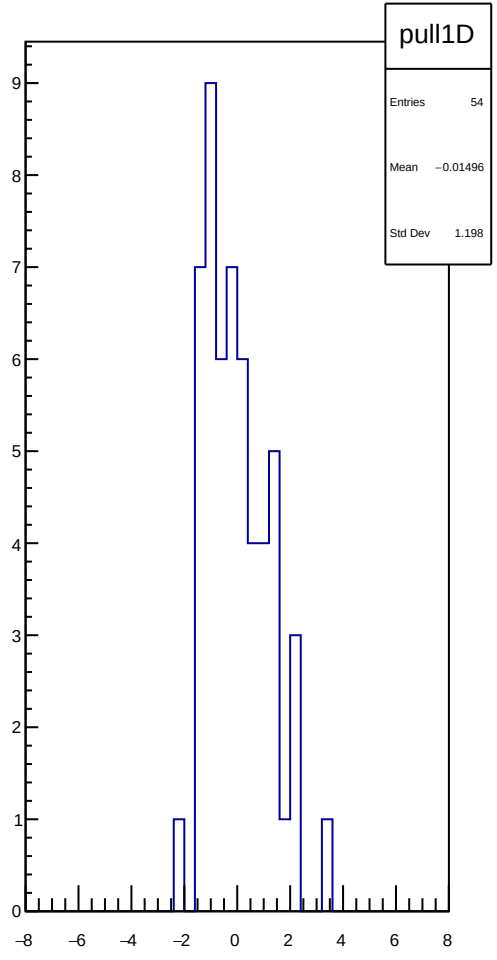

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 0 / 53
p0 0 ± 0.1361
1
0.8
0.6
0.4
0.2
0
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

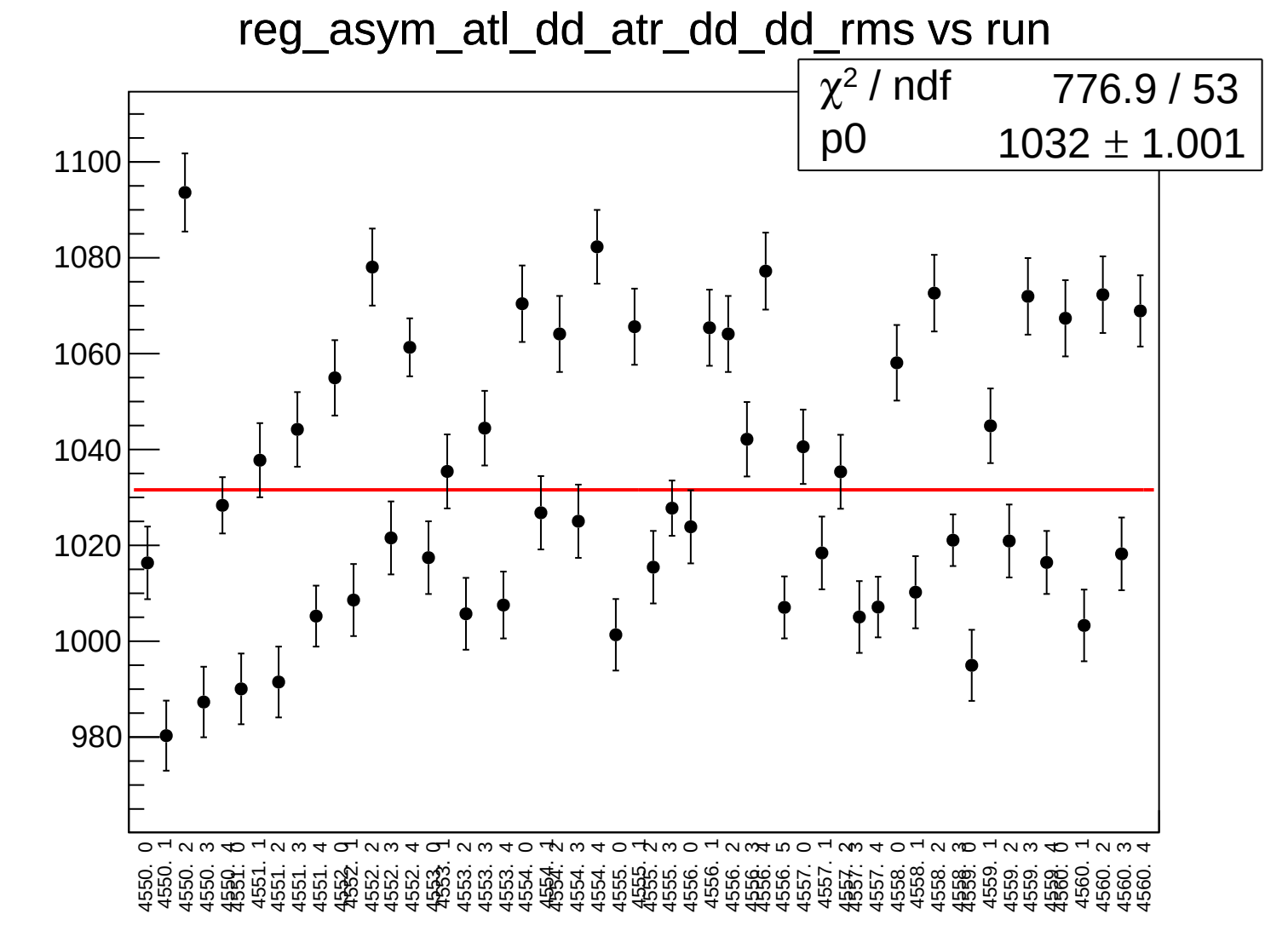

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 61.71 / 53
p0 −386.2 ± 748.3
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −920.4
Std Dev 930.5
3
2
1
0
−1
−2

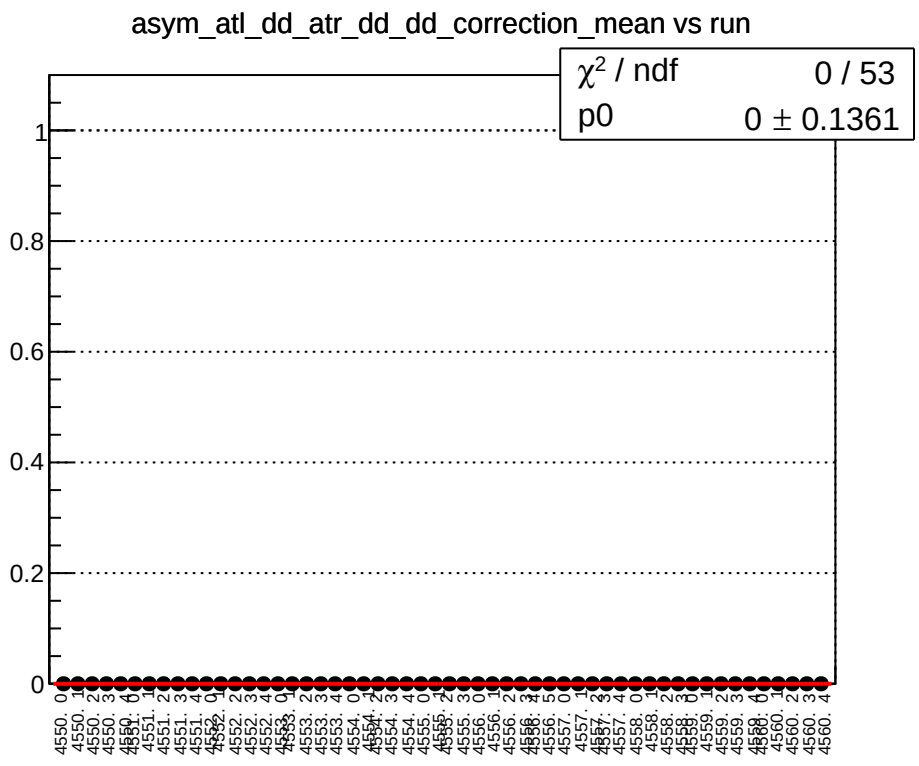

pull1D
Entries 54
Mean −0.001986
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

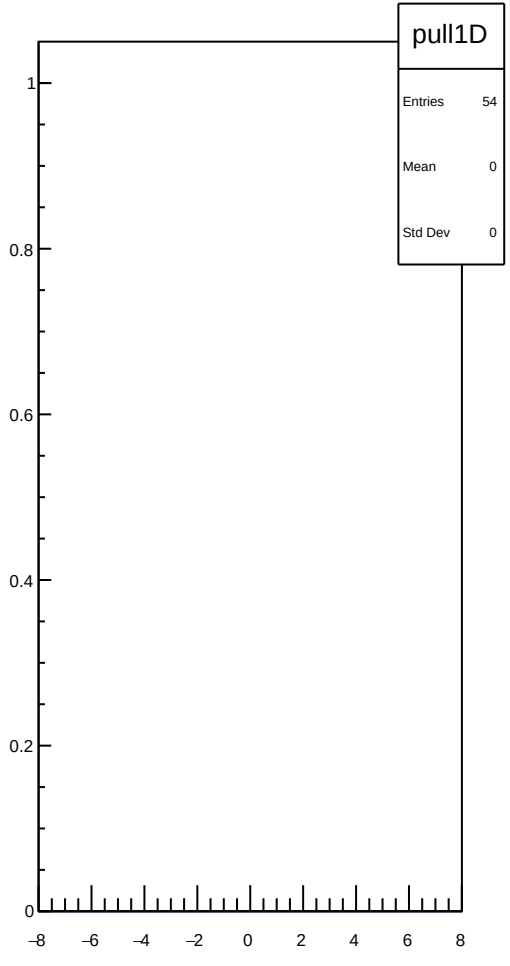

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 1599 / 53
p0 545.1 ± 0.5291
600
580
560
540
520
500
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

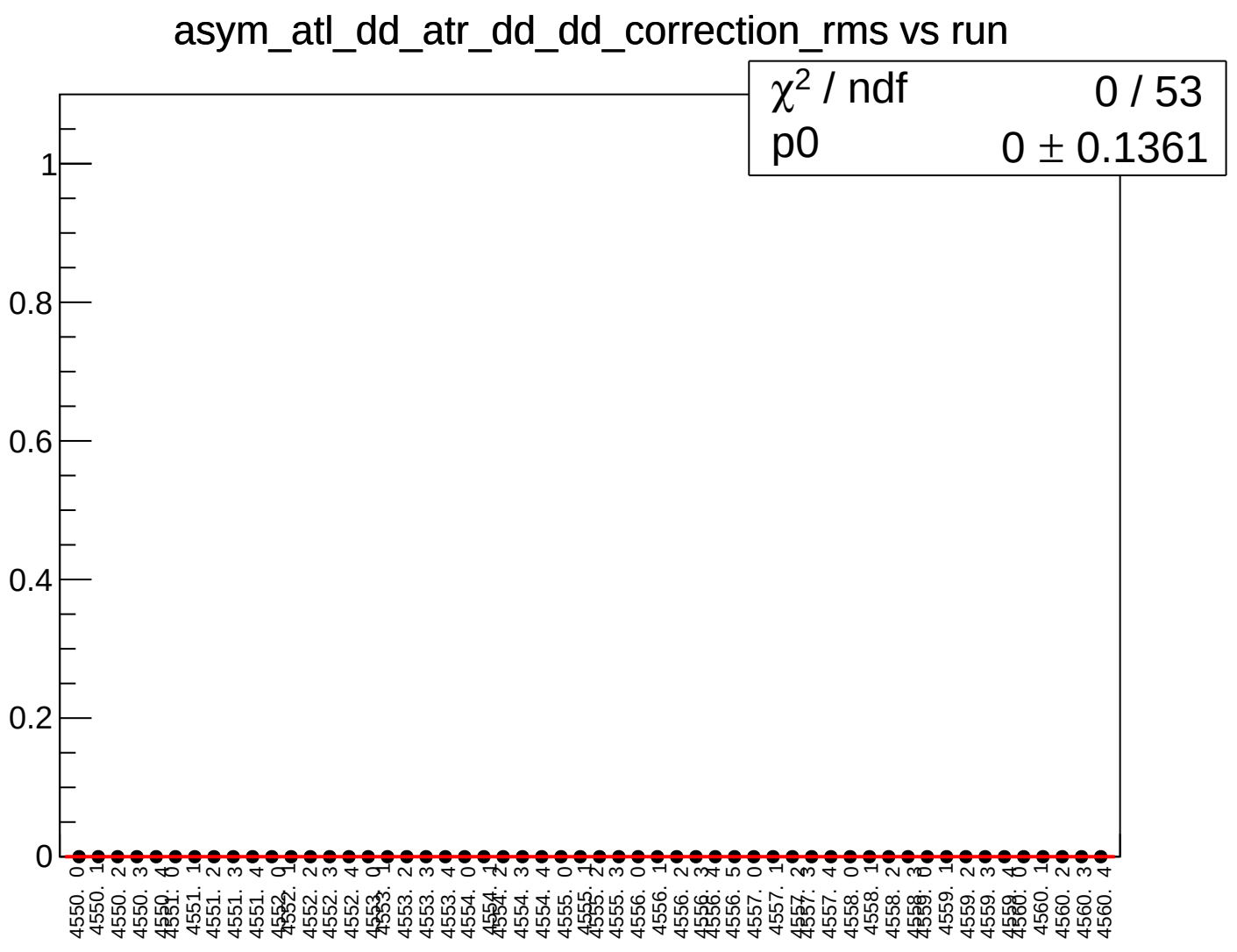

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 77.45 / 53
p0 540.2 ± 1416
pull
Entries 54
Mean 77.75
Std Dev 31.24

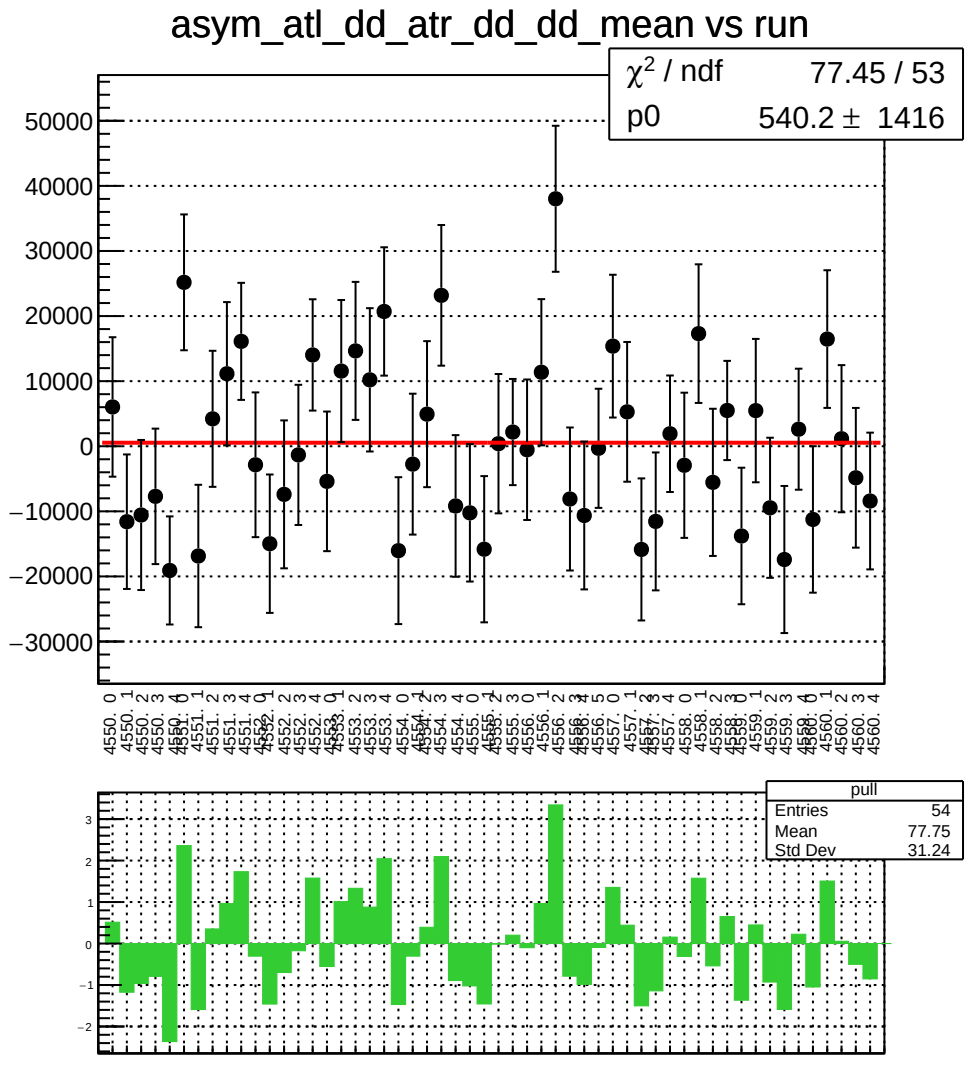

pull1D
Entries 54
Mean −0.01496
Std Dev 1.198

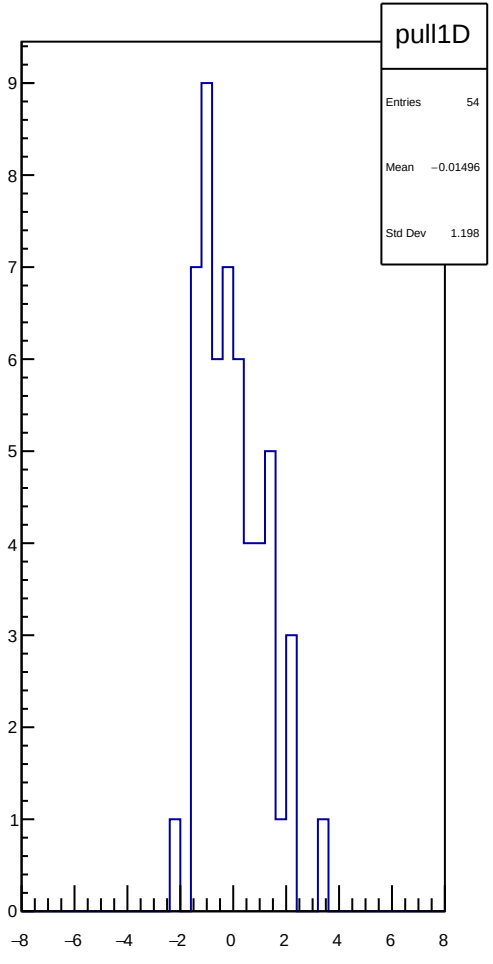

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 776.9 / 53
p0 1032 ± 1.001
1100
1080
1060
1040
1020
1000
980

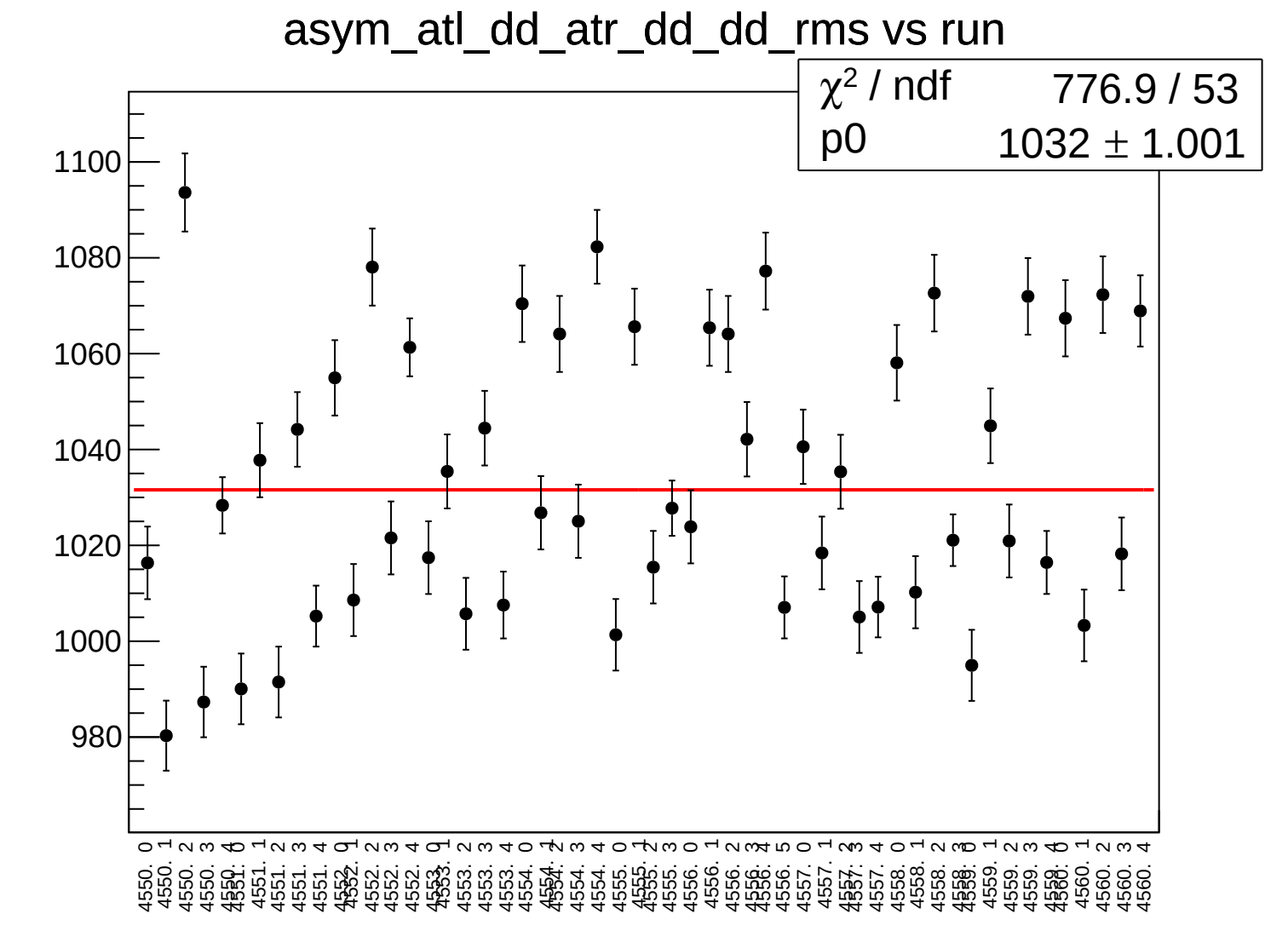

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 0 / 53
p0 0 ± 0.1361
1
0.8
0.6
0.4
0.2
0

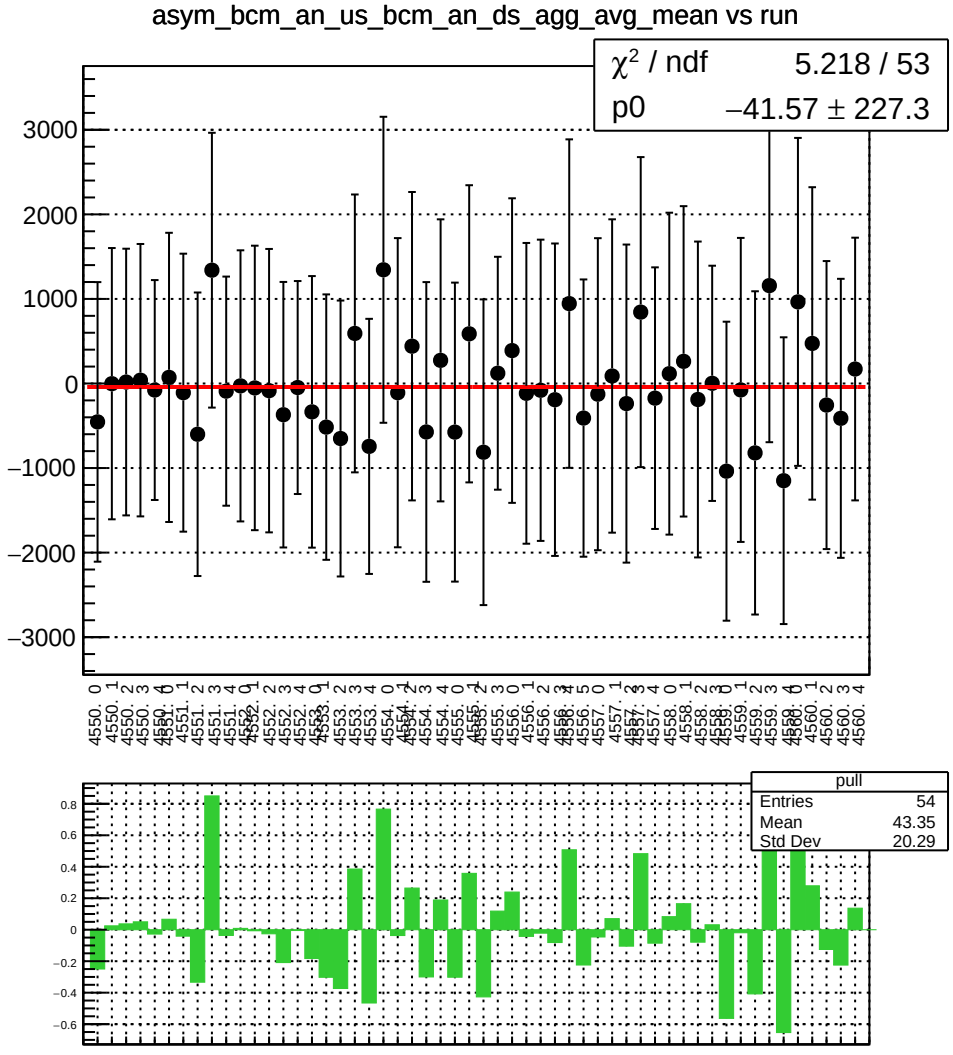

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

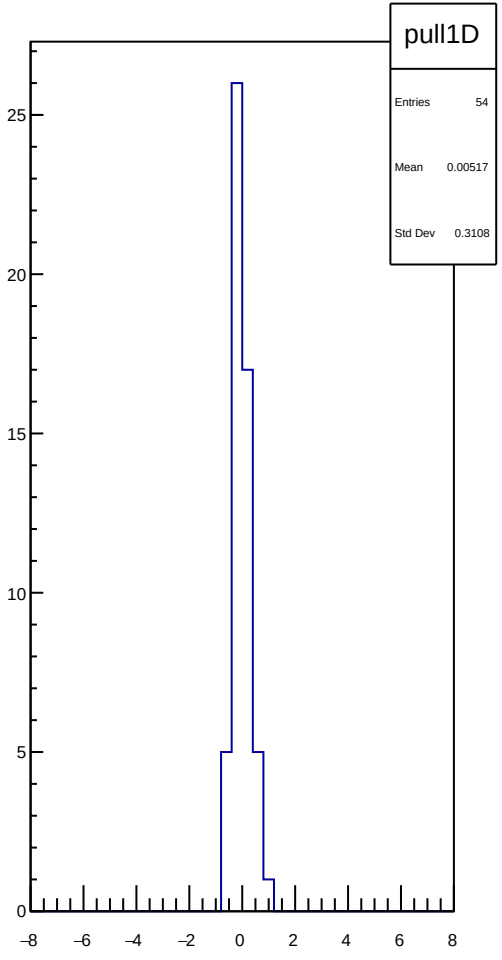

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 0 / 53
p0 0 ± 0.1361
1
0.8
0.6
0.4
0.2
0

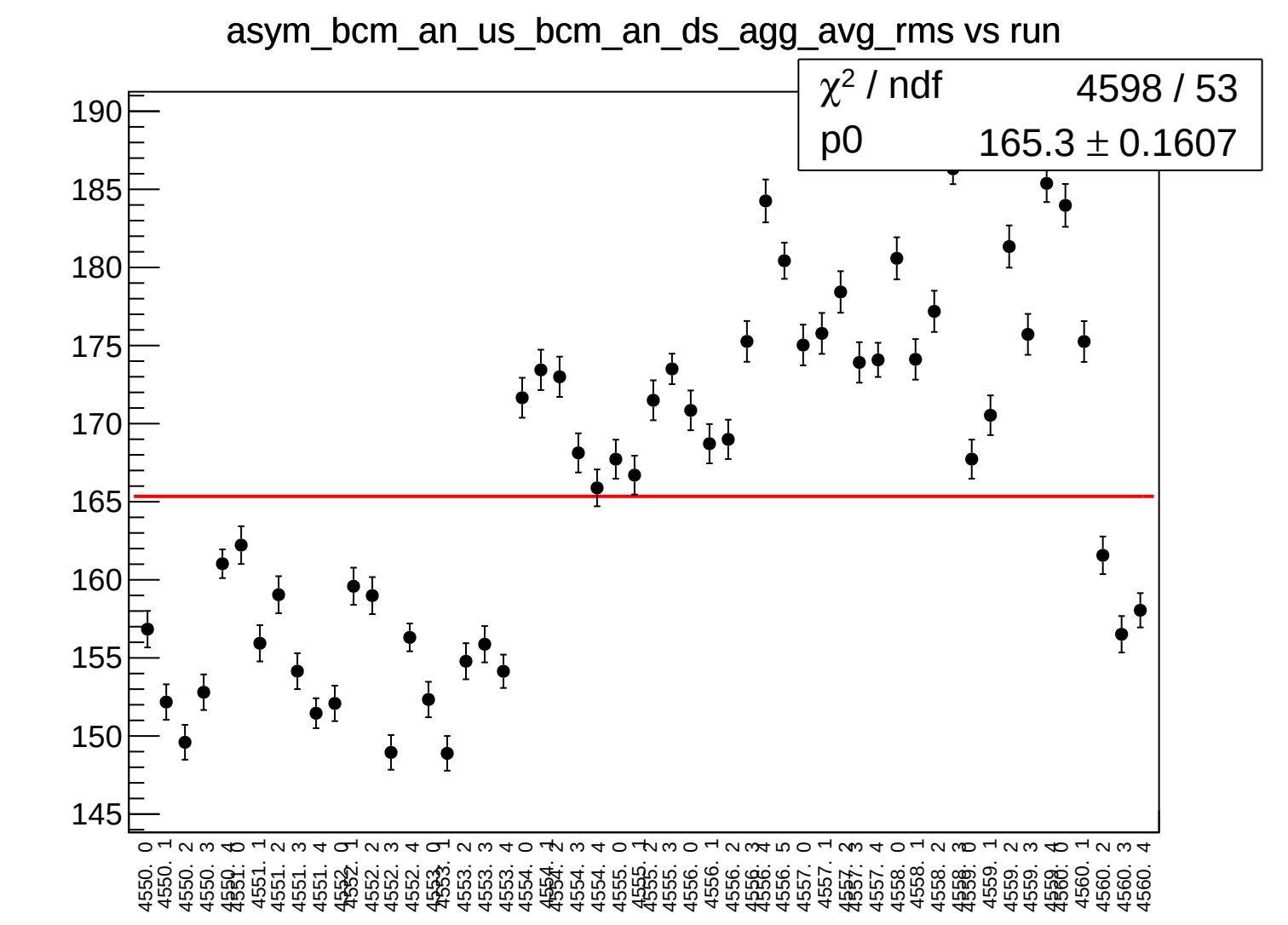

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 77.45 / 53
p0 540.2 ± 1416
pull
Entries 54
Mean 77.75
Std Dev 31.24

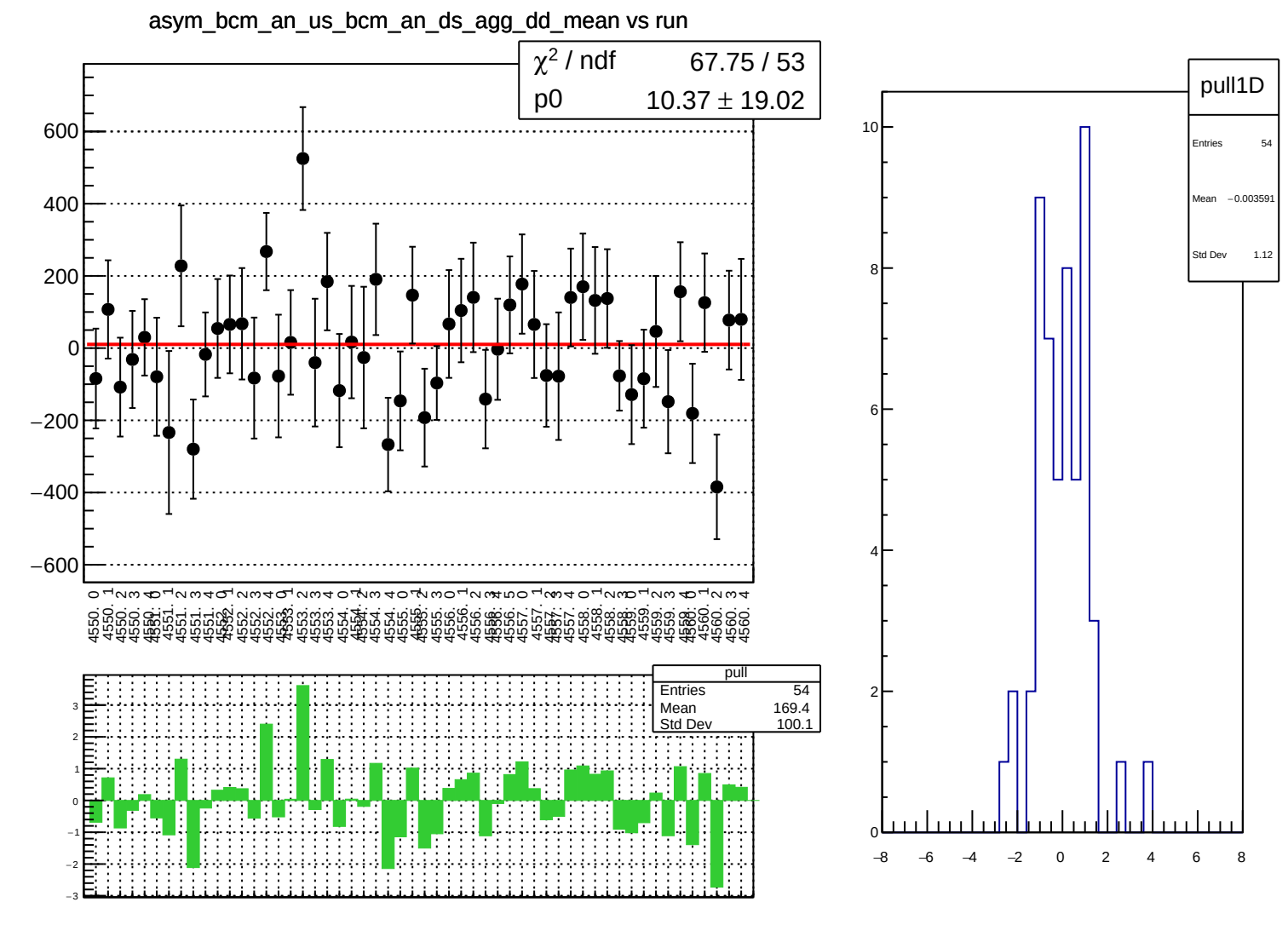

pull1D
Entries 54
Mean −0.01496
Std Dev 1.198

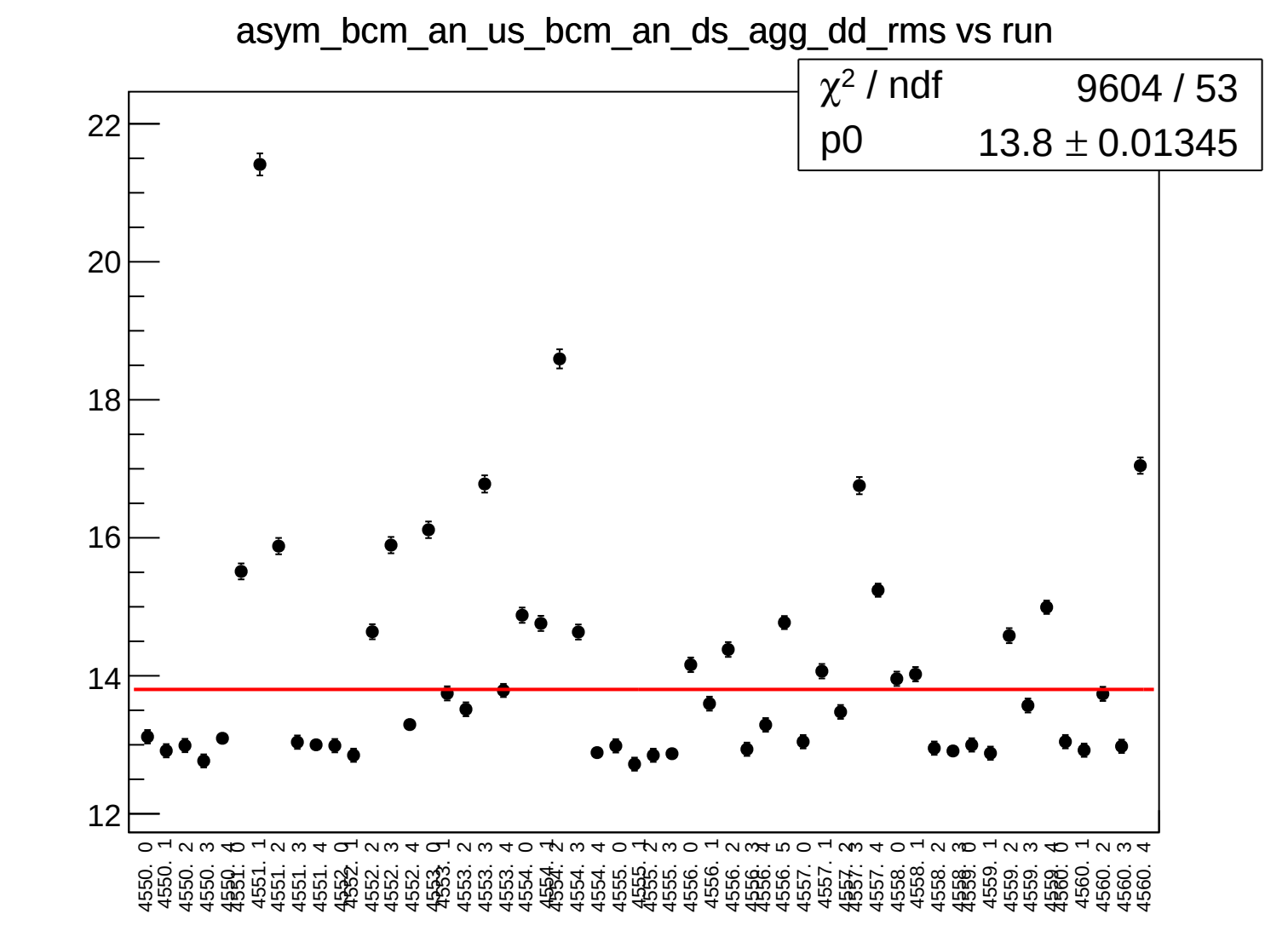

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 776.9 / 53
p0 1032 ± 1.001
1100
1080
1060
1040
1020
1000
980

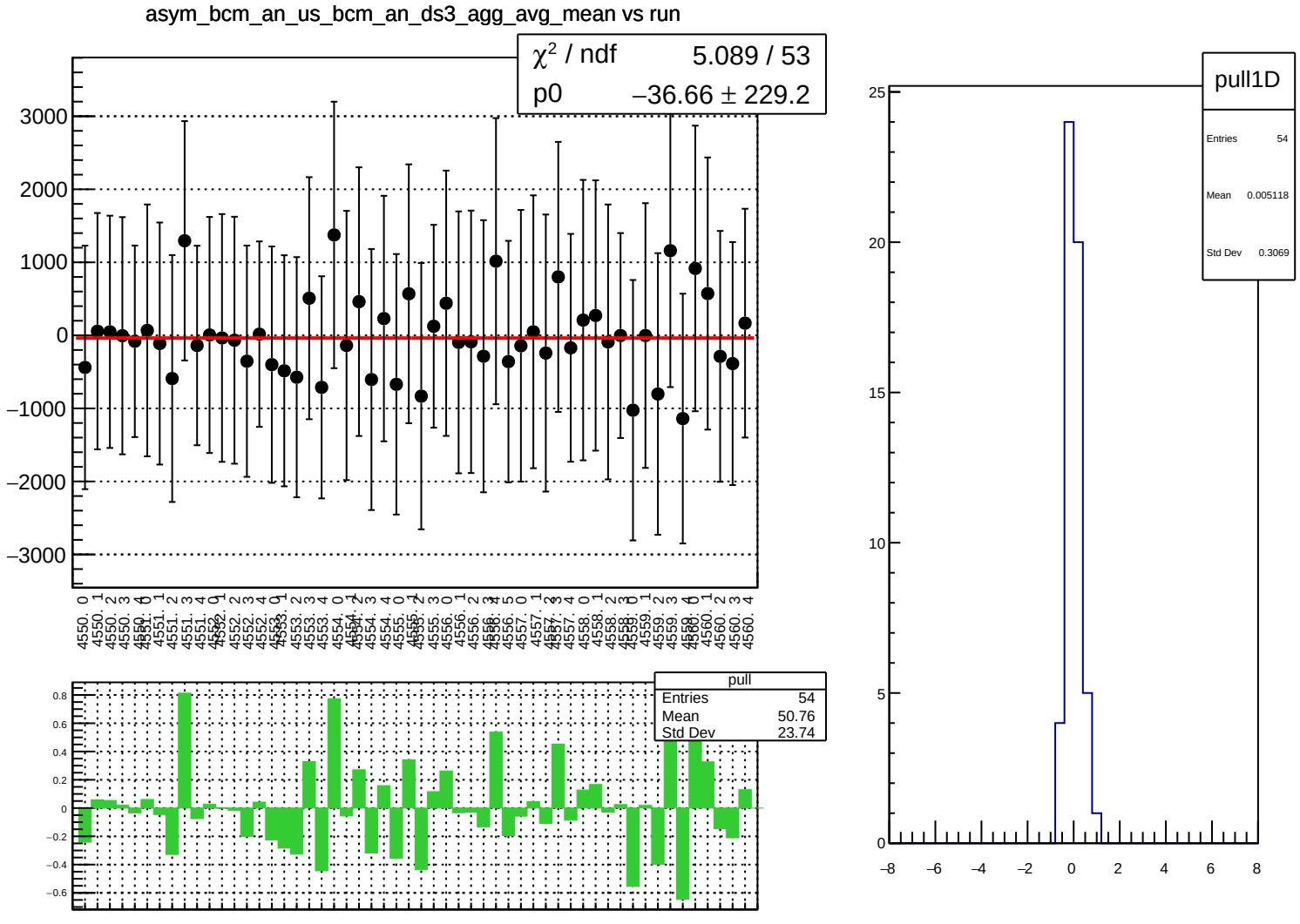

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 5.218 / 53
p0 −41.57 ± 227.3
pull
Entries 54
Mean 43.35
Std Dev 20.29

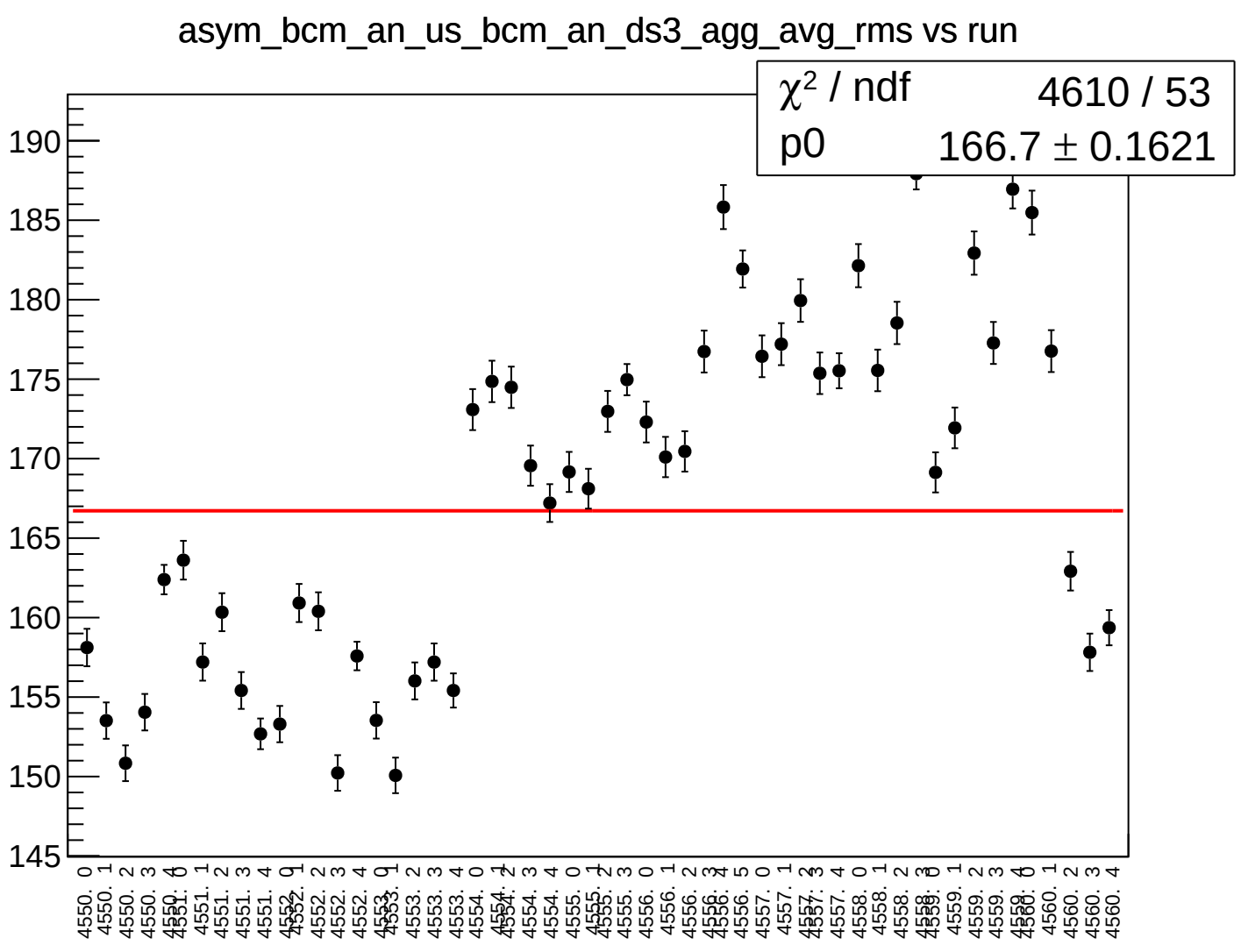

pull1D
Entries 54
Mean 0.00517
Std Dev 0.3108

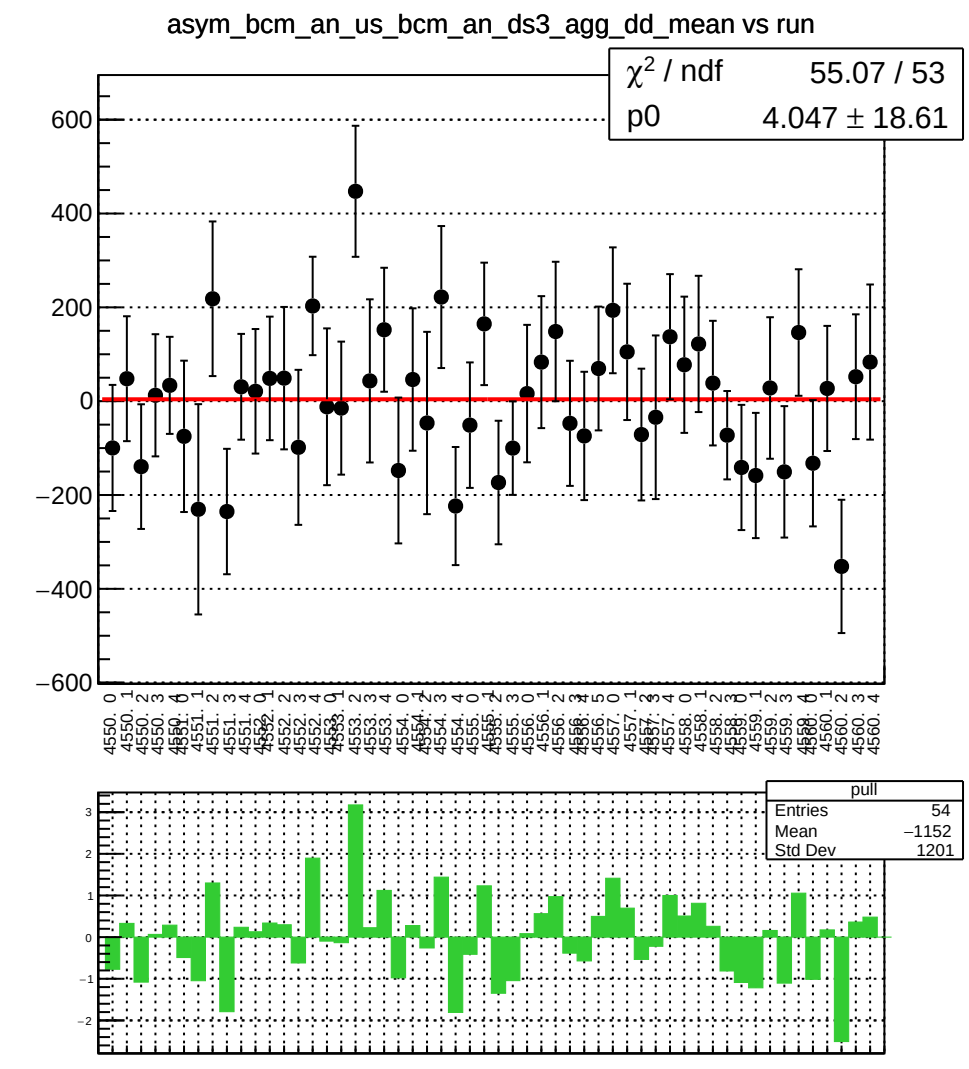

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4598 / 53
p0 165.3 ± 0.1607
190
185
180
175
170
165
160
155
150
145

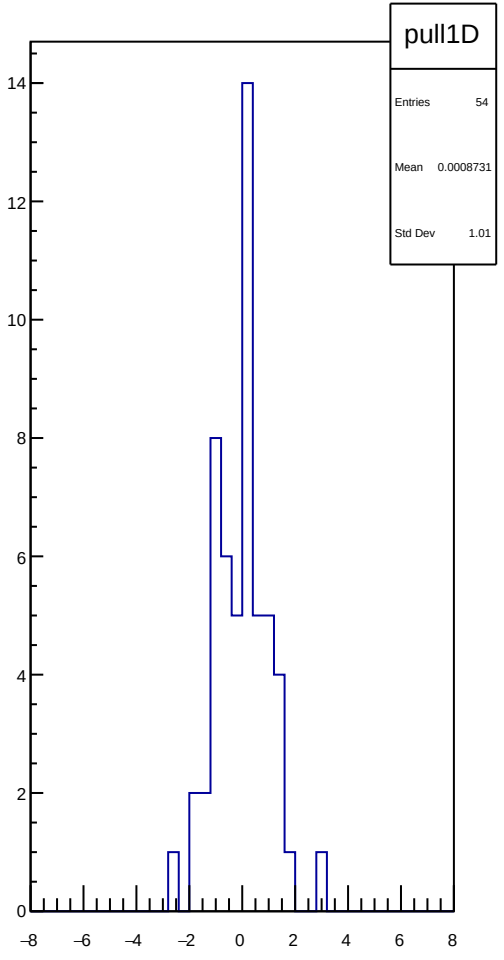

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 67.75 / 53
p0 10.37 ± 19.02
pull
Entries 54
Mean 169.4
Std Dev 100.1
pull1D
Entries 54
Mean −0.003591
Std Dev 1.12

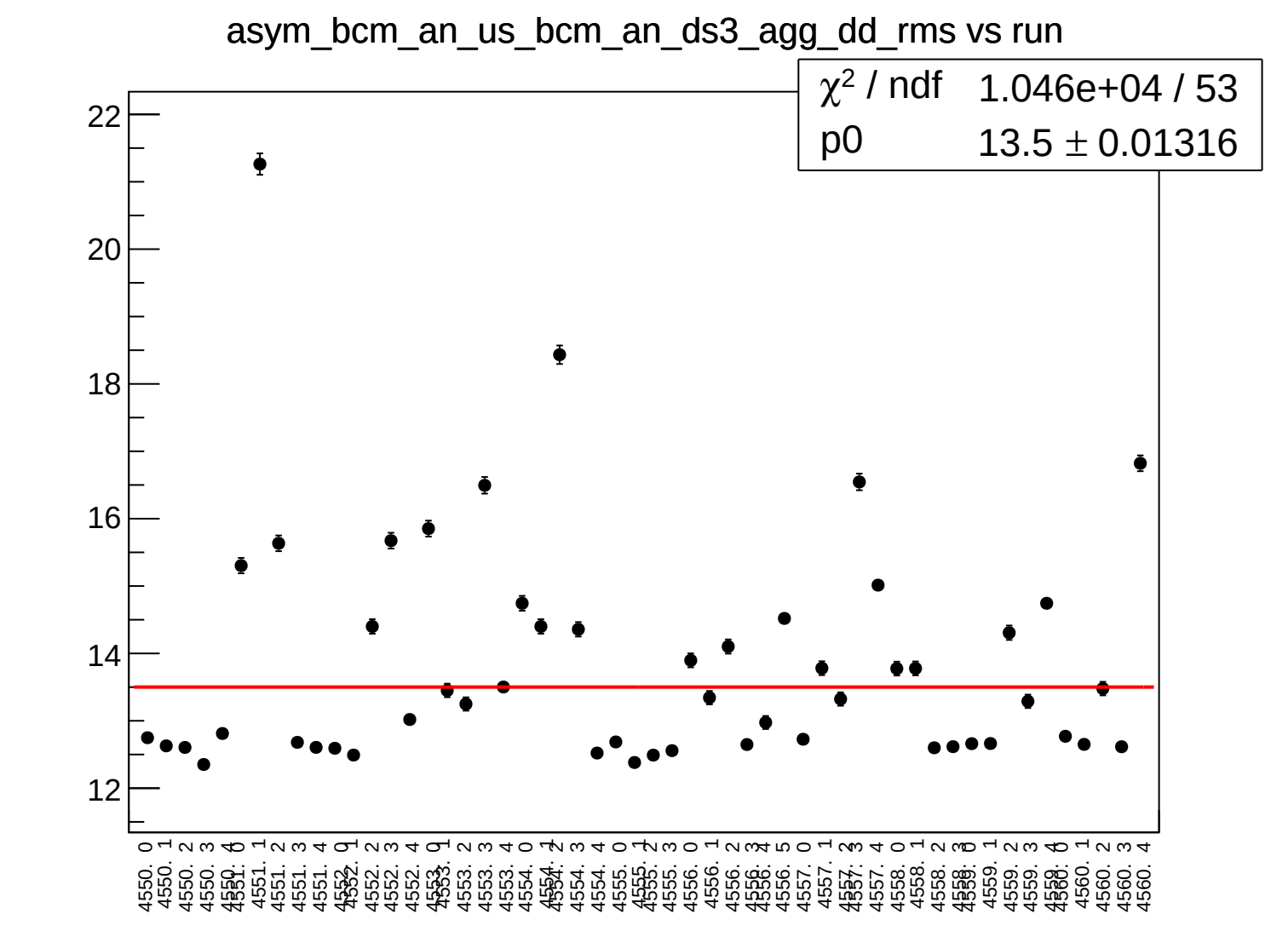

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 9604 / 53
p0 13.8 ± 0.01345
22
20
18
16
14
12

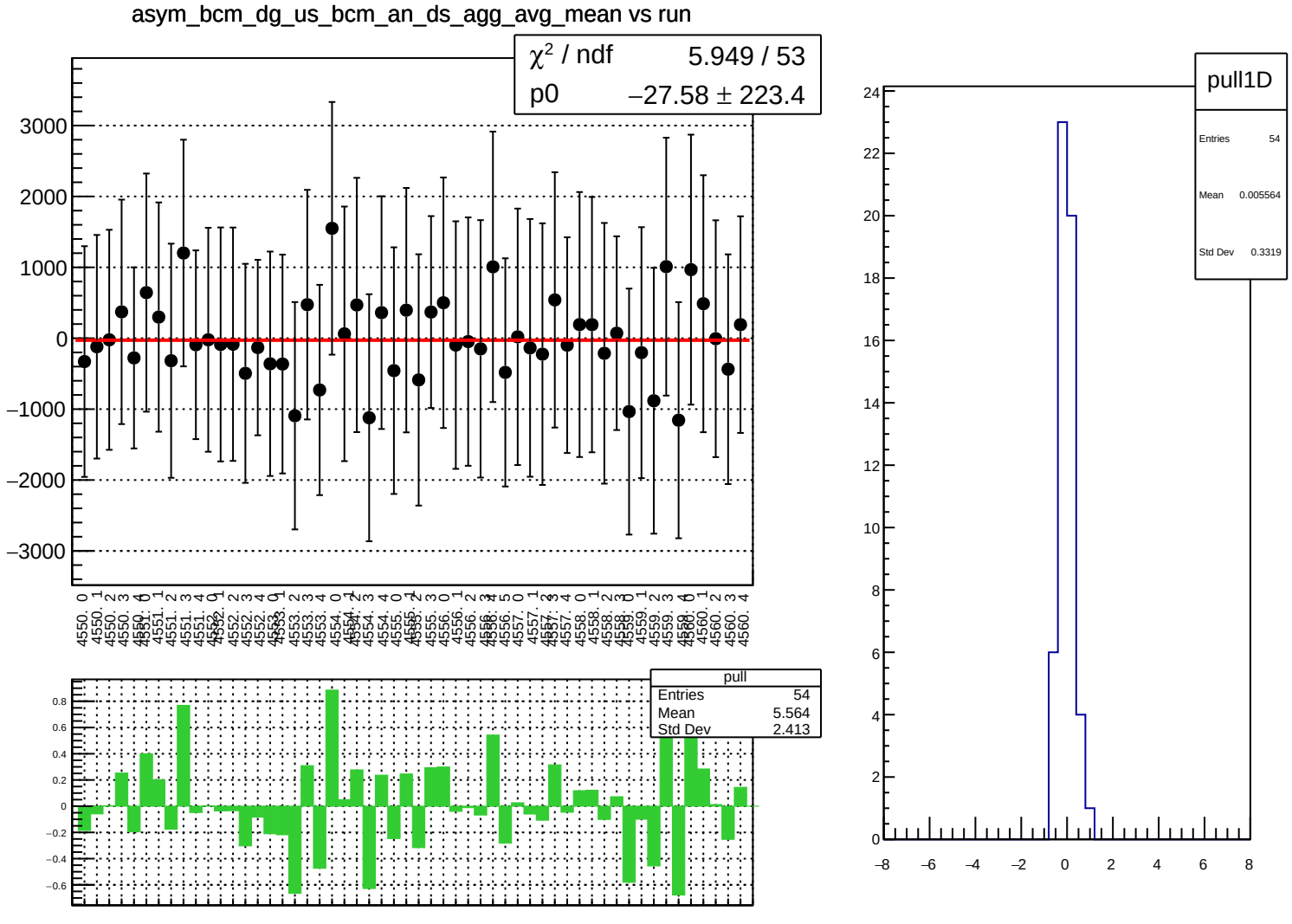

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 5.089 / 53
p0 −36.66 ± 229.2
pull
Entries 54
Mean 50.76
Std Dev 23.74
pull1D
Entries 54
Mean 0.005118
Std Dev 0.3069

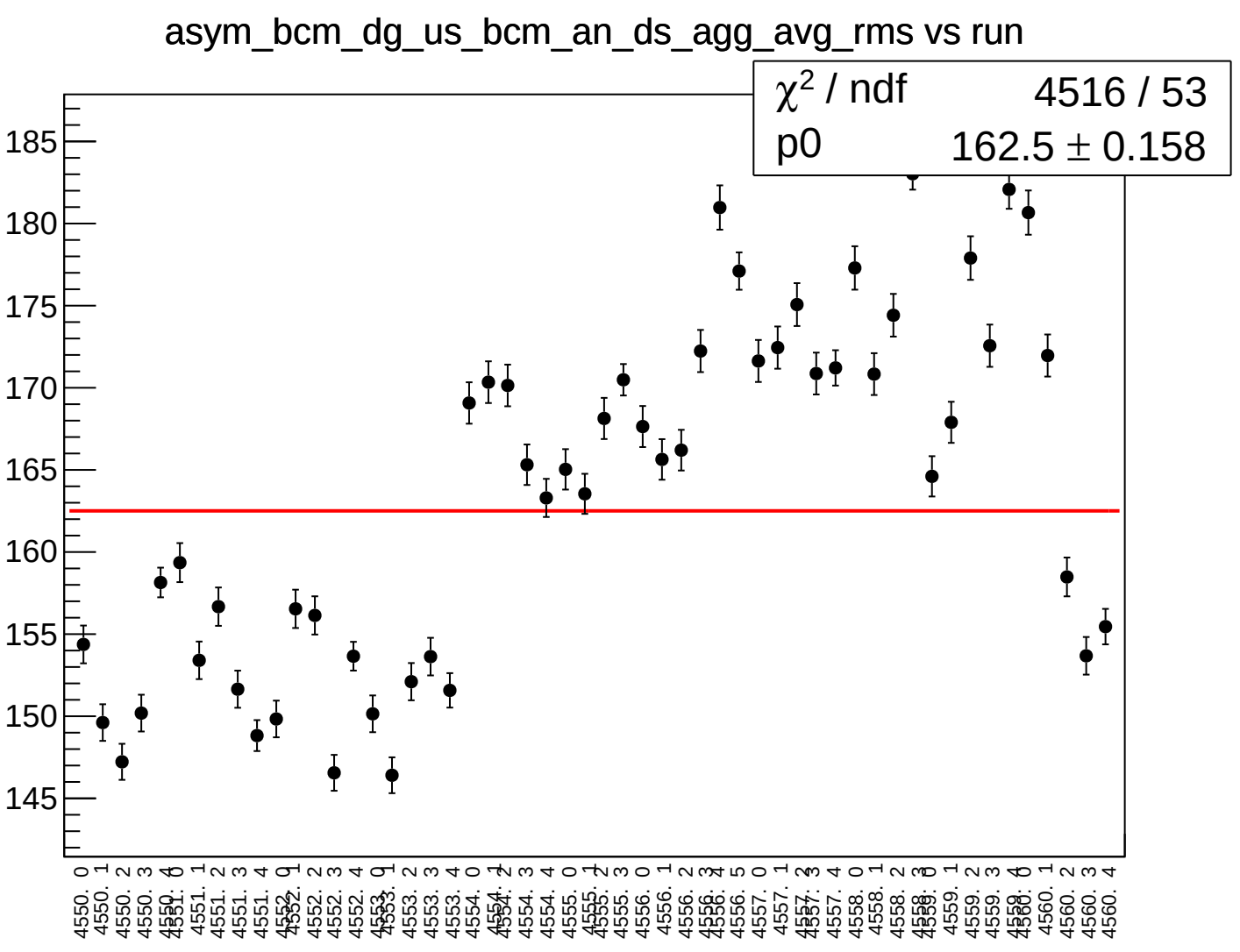

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 4610 / 53
p0 166.7 ± 0.1621
190
185
180
175
170
165
160
155
150
145


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 55.07 / 53
p0 4.047 ± 18.61
pull
Entries 54
Mean −1152
Std Dev 1201


pull1D
Entries 54
Mean 0.0008731
Std Dev 1.01


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.046e+04 / 53
p0 13.5 ± 0.01316
22
20
18
16
14
12


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 5.949 / 53
p0 −27.58 ± 223.4
pull
Entries 54
Mean 5.564
Std Dev 2.413
pull1D
Entries 54
Mean 0.005564
Std Dev 0.3319


asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4516 / 53
p0 162.5 ± 0.158
185
180
175
170
165
160
155
150
145
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
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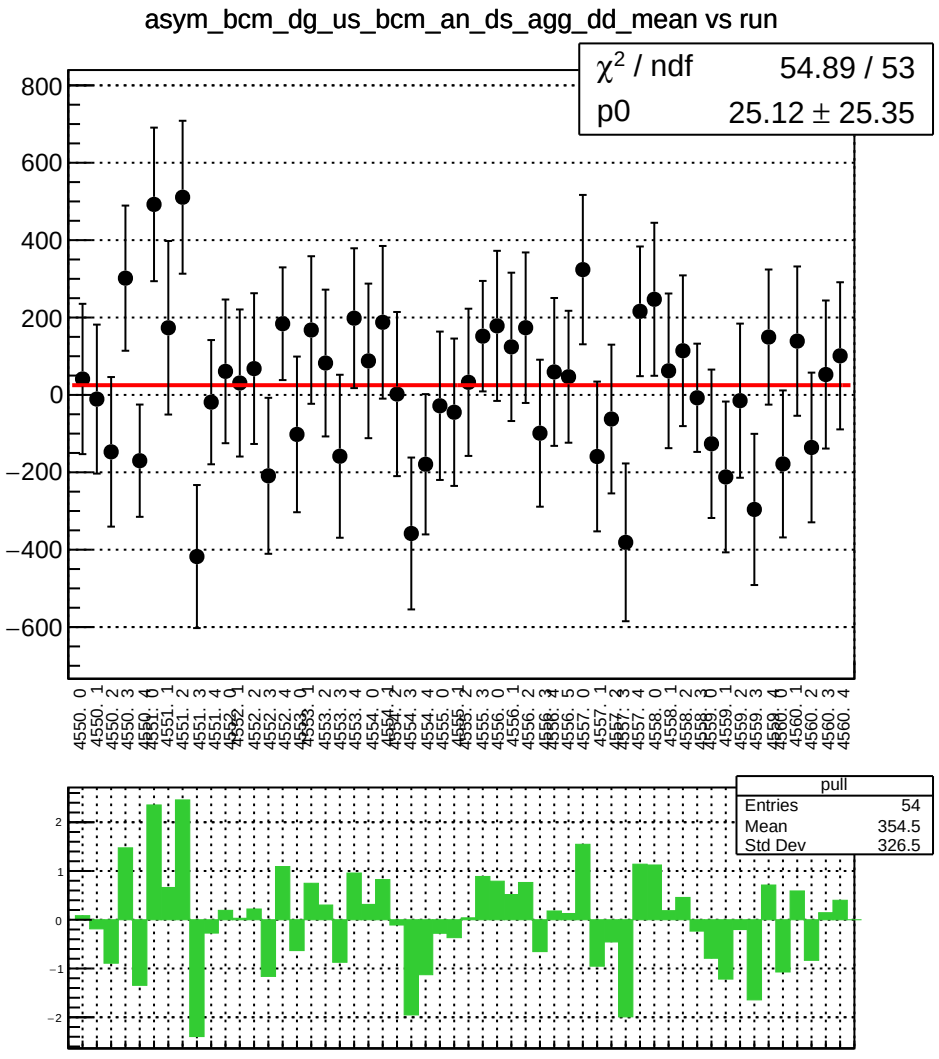
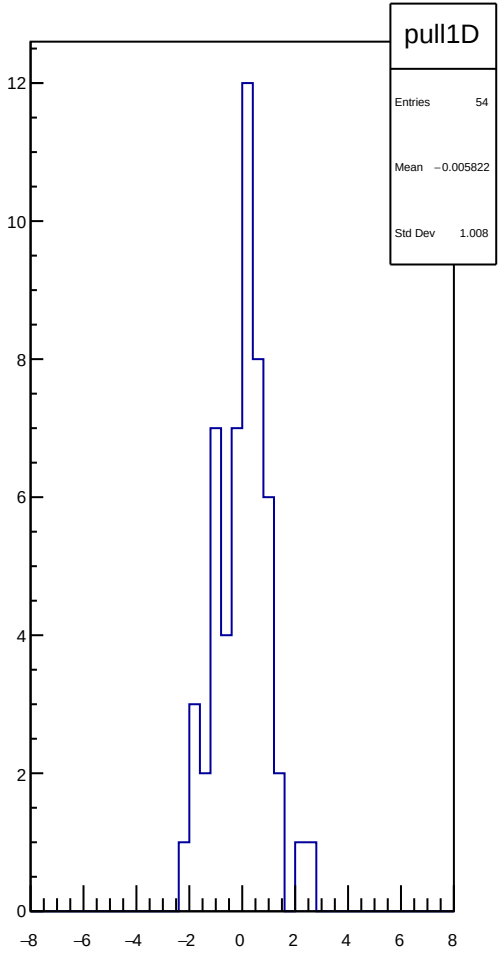
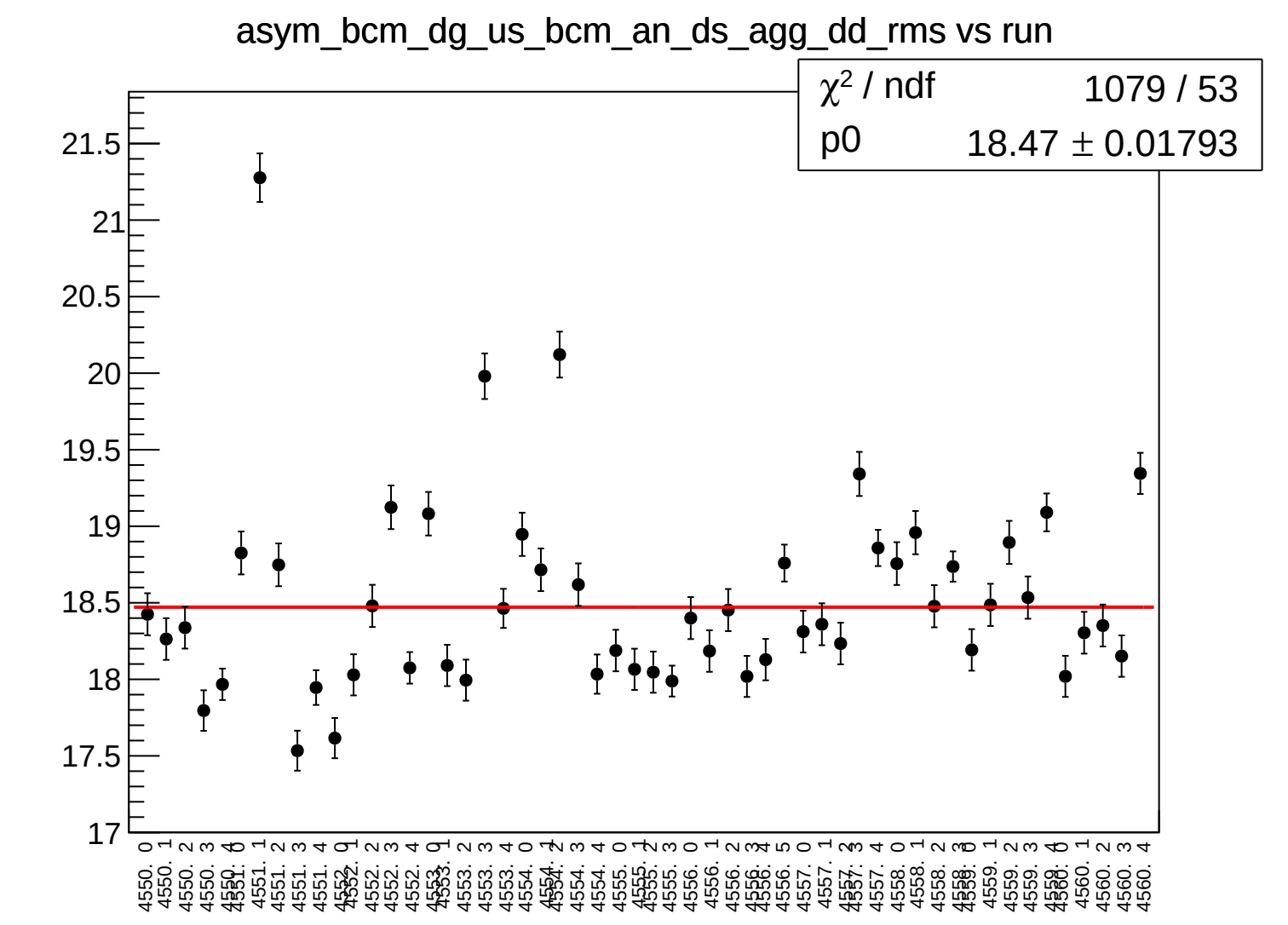
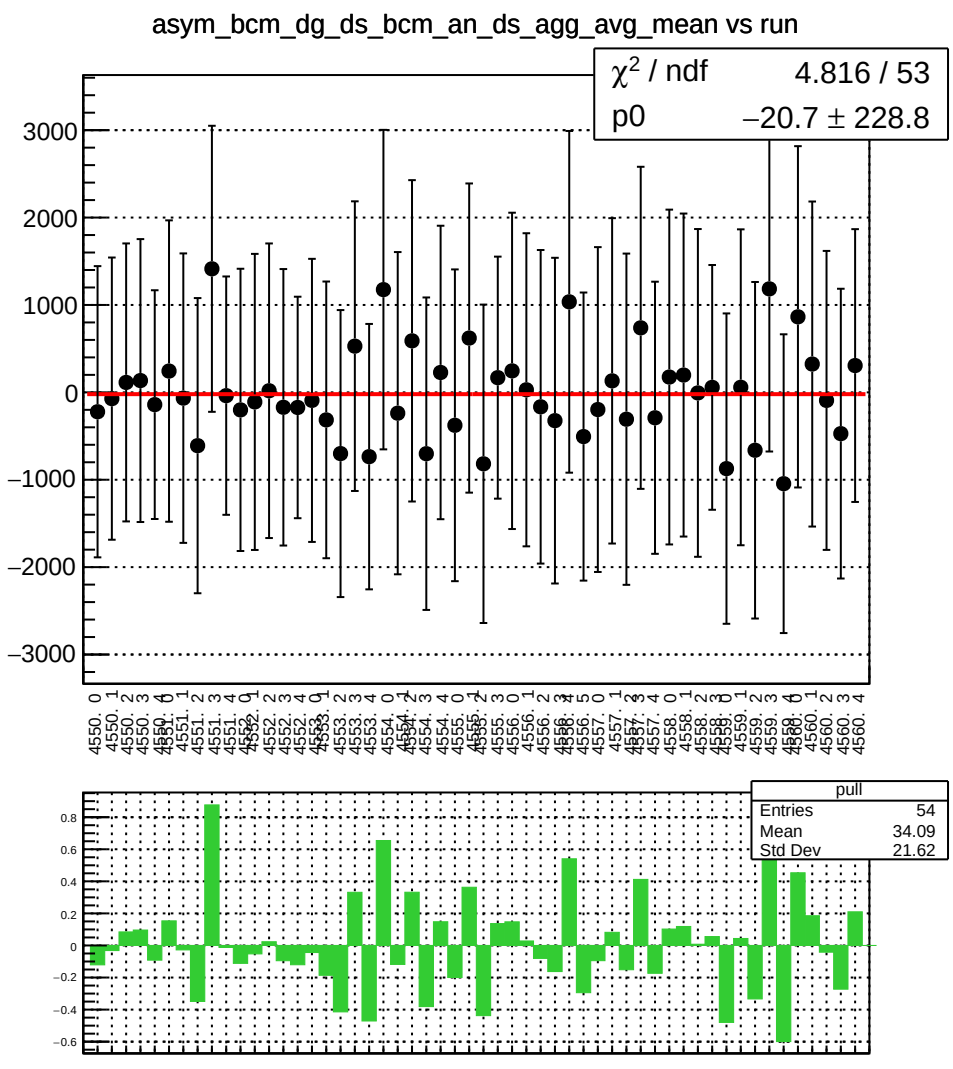
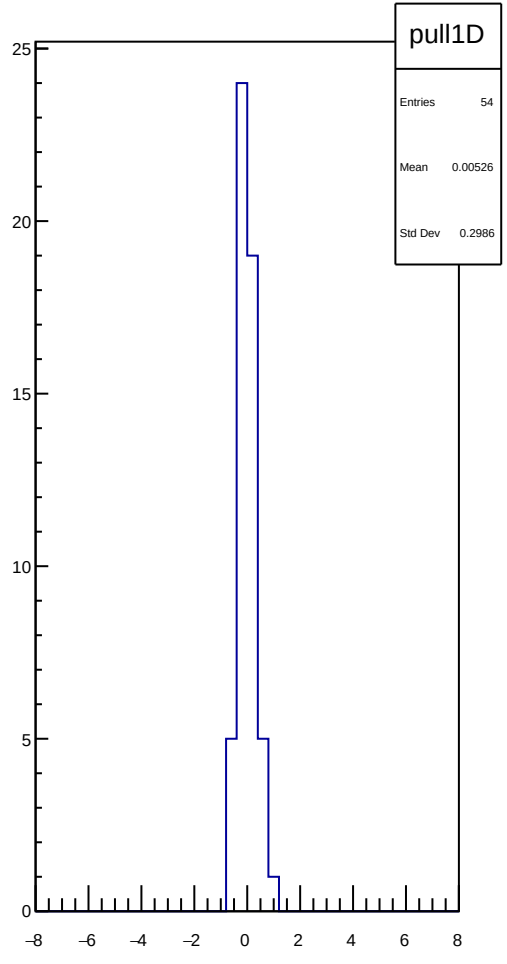
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

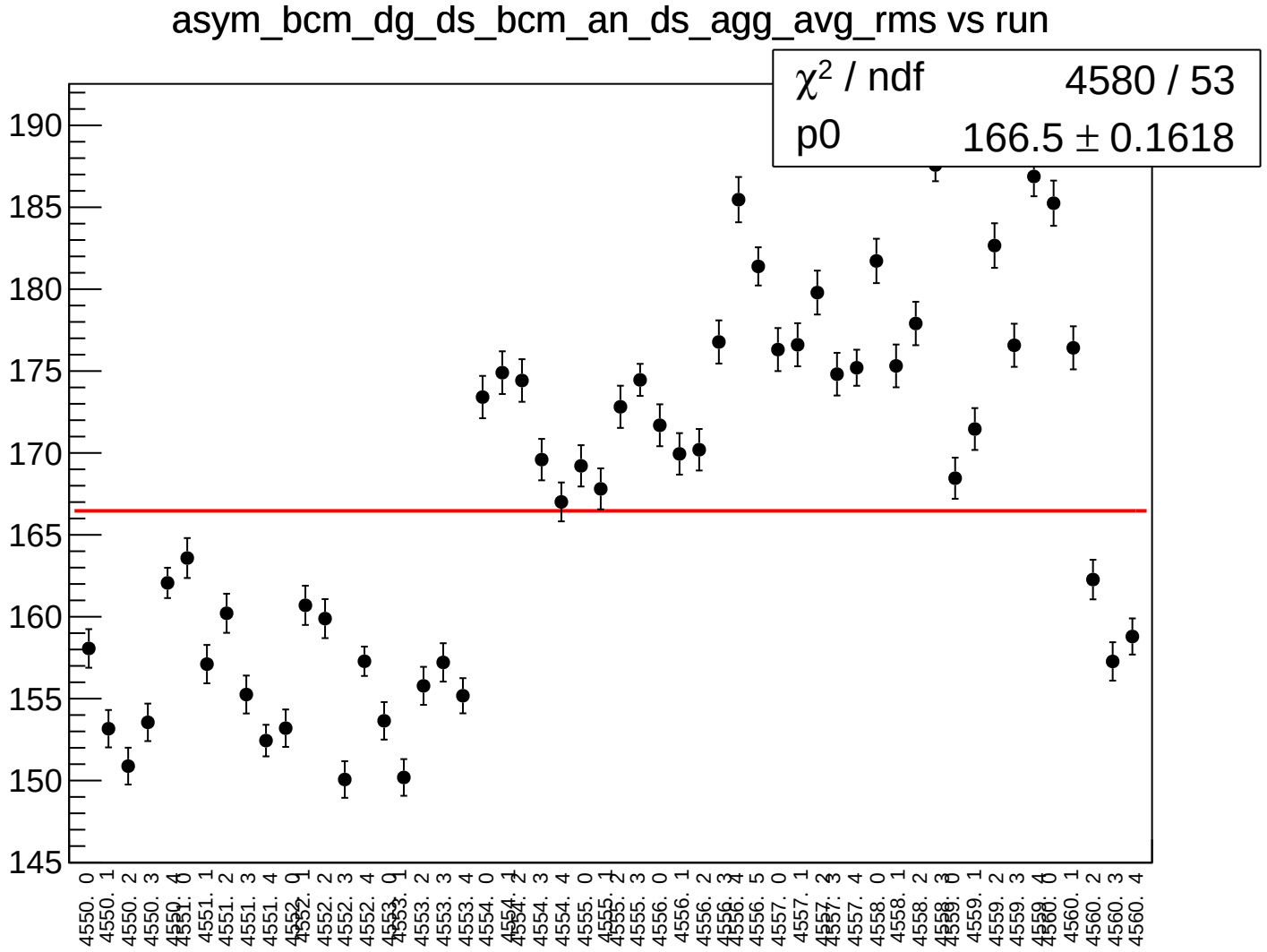

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 54.89 / 53
p0 25.12 ± 25.35
pull
Entries 54
Mean 354.5
Std Dev 326.5

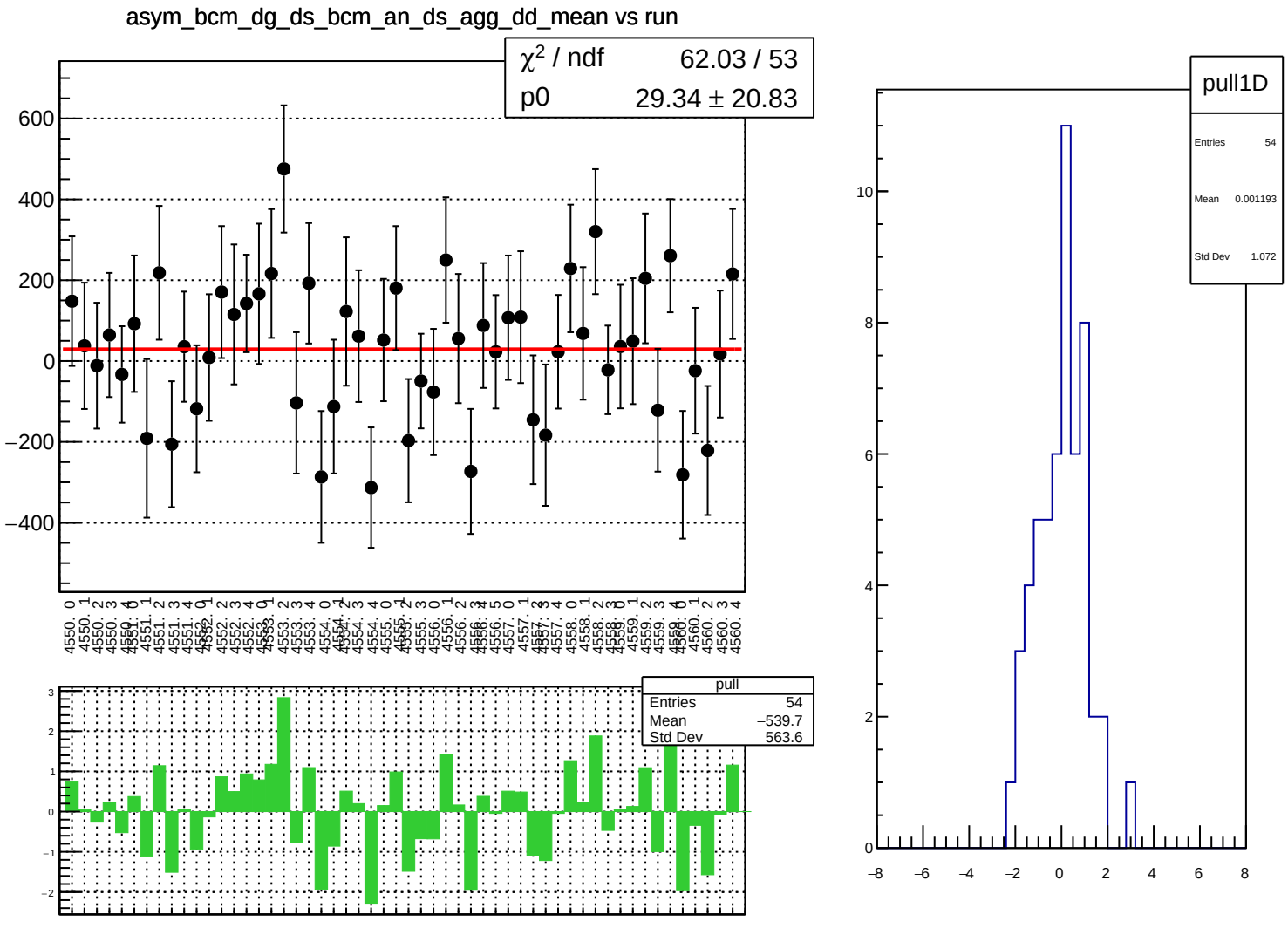

pull1D
Entries 54
Mean −0.005822
Std Dev 1.008

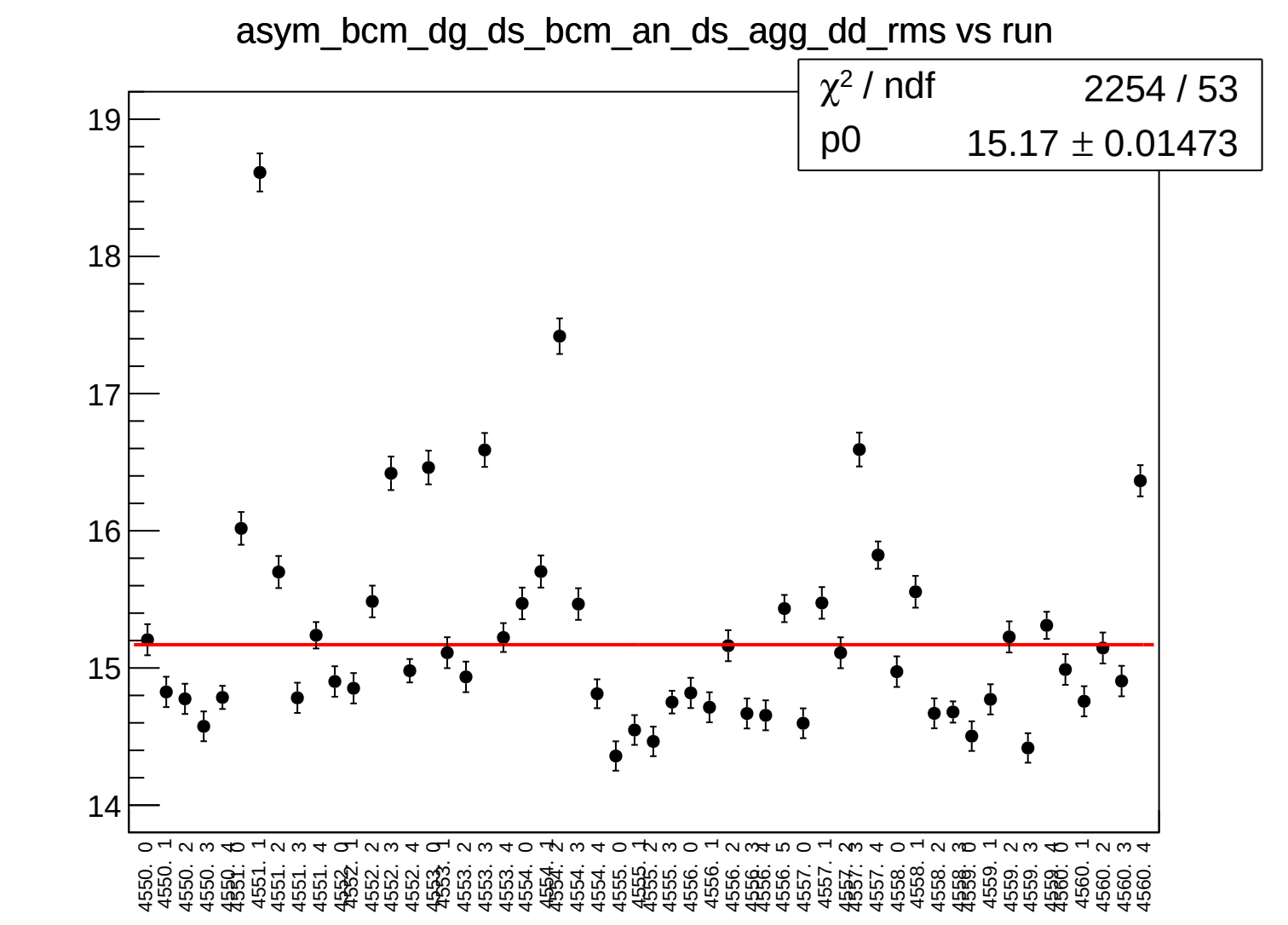

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1079 / 53
p0 18.47 ± 0.01793
21.5
21
20.5
20
19.5
19
18.5
18
17.5
17

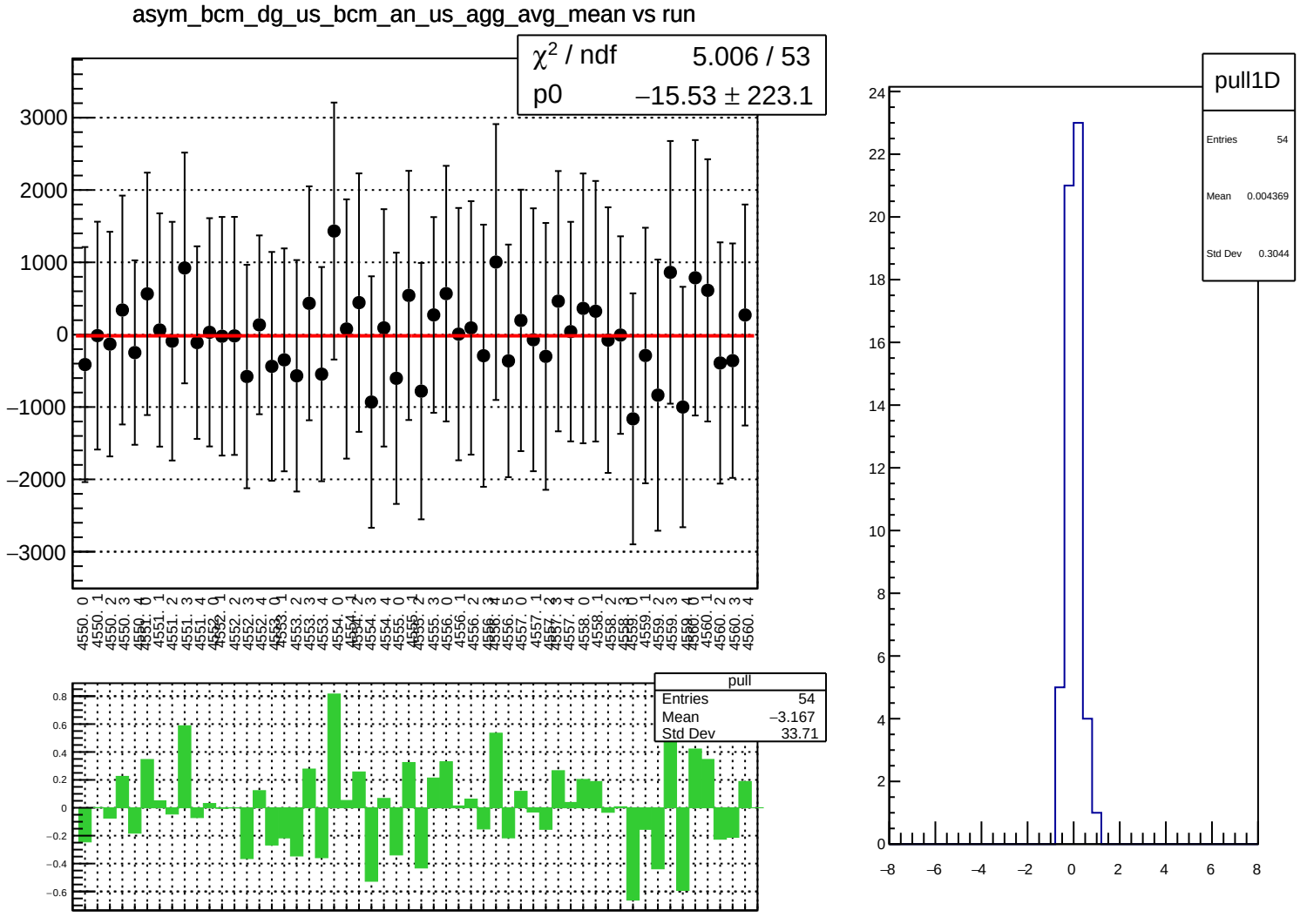

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 4.816 / 53
p0 −20.7 ± 228.8
pull
Entries 54
Mean 34.09
Std Dev 21.62

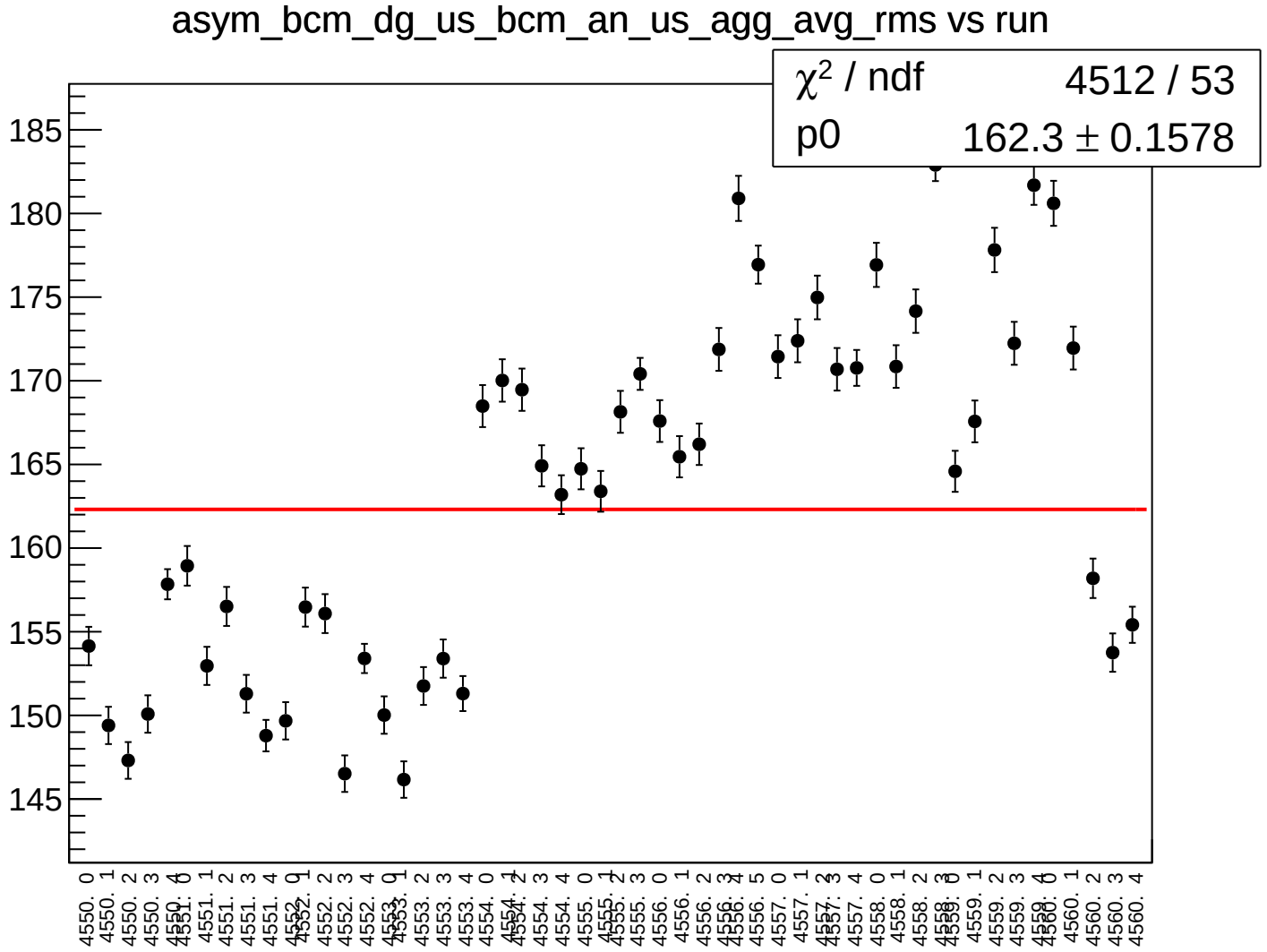

pull1D
Entries 54
Mean 0.00526
Std Dev 0.2986


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4580 / 53
p0 166.5 ± 0.1618
190
185
180
175
170
165
160
155
150
145


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 62.03 / 53
p0 29.34 ± 20.83
pull
Entries 54
Mean −539.7
Std Dev 563.6
pull1D
Entries 54
Mean 0.001193
Std Dev 1.072


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2254 / 53
p0 15.17 ± 0.01473
19
18
17
16
15
14


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 5.006 / 53
p0 −15.53 ± 223.1
pull
Entries 54
Mean −3.167
Std Dev 33.71
pull1D
Entries 54
Mean 0.004369
Std Dev 0.3044


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4512 / 53
p0 162.3 ± 0.1578
185
180
175
170
165
160
155
150
145
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
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4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
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4559. 2
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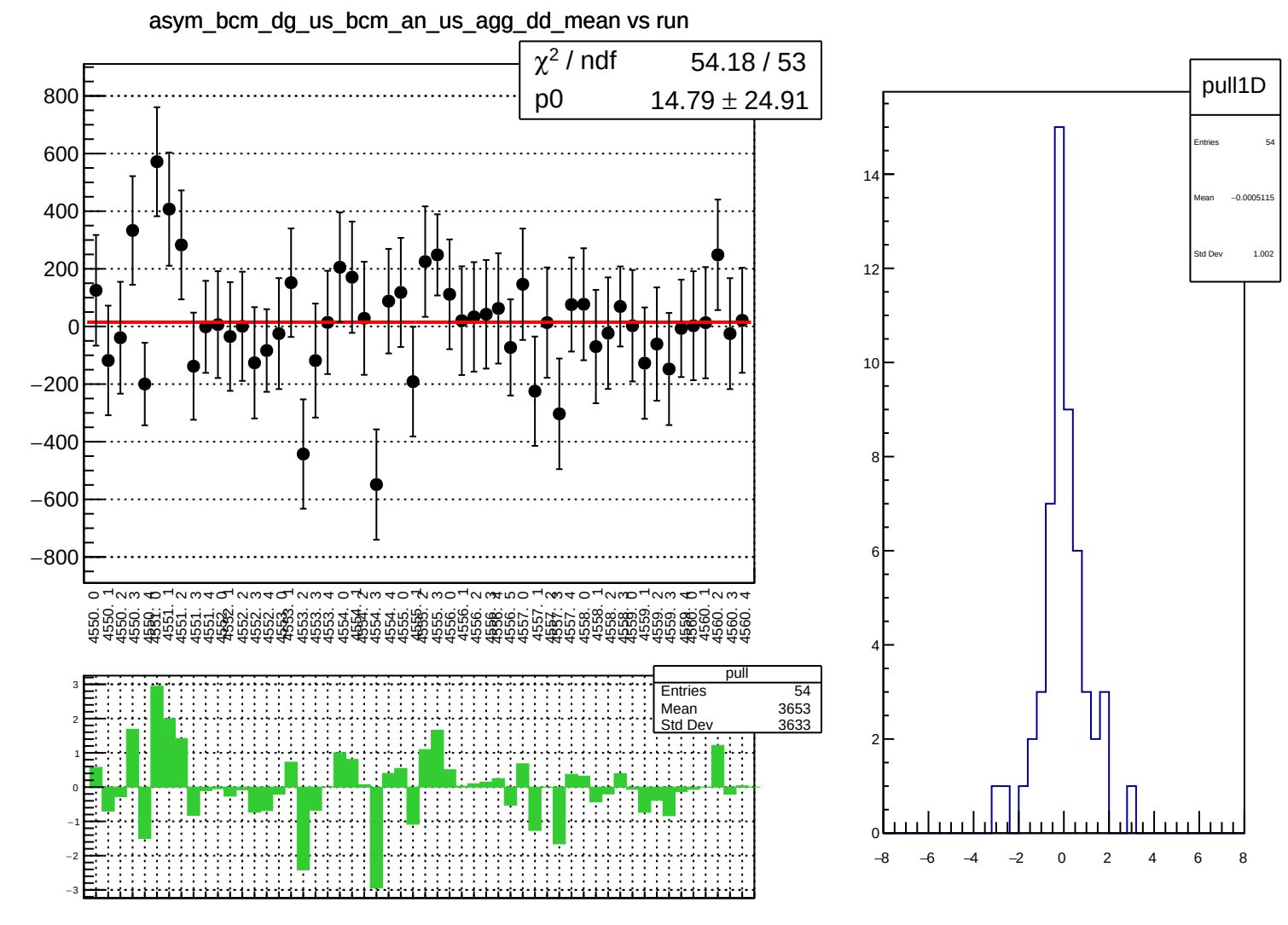
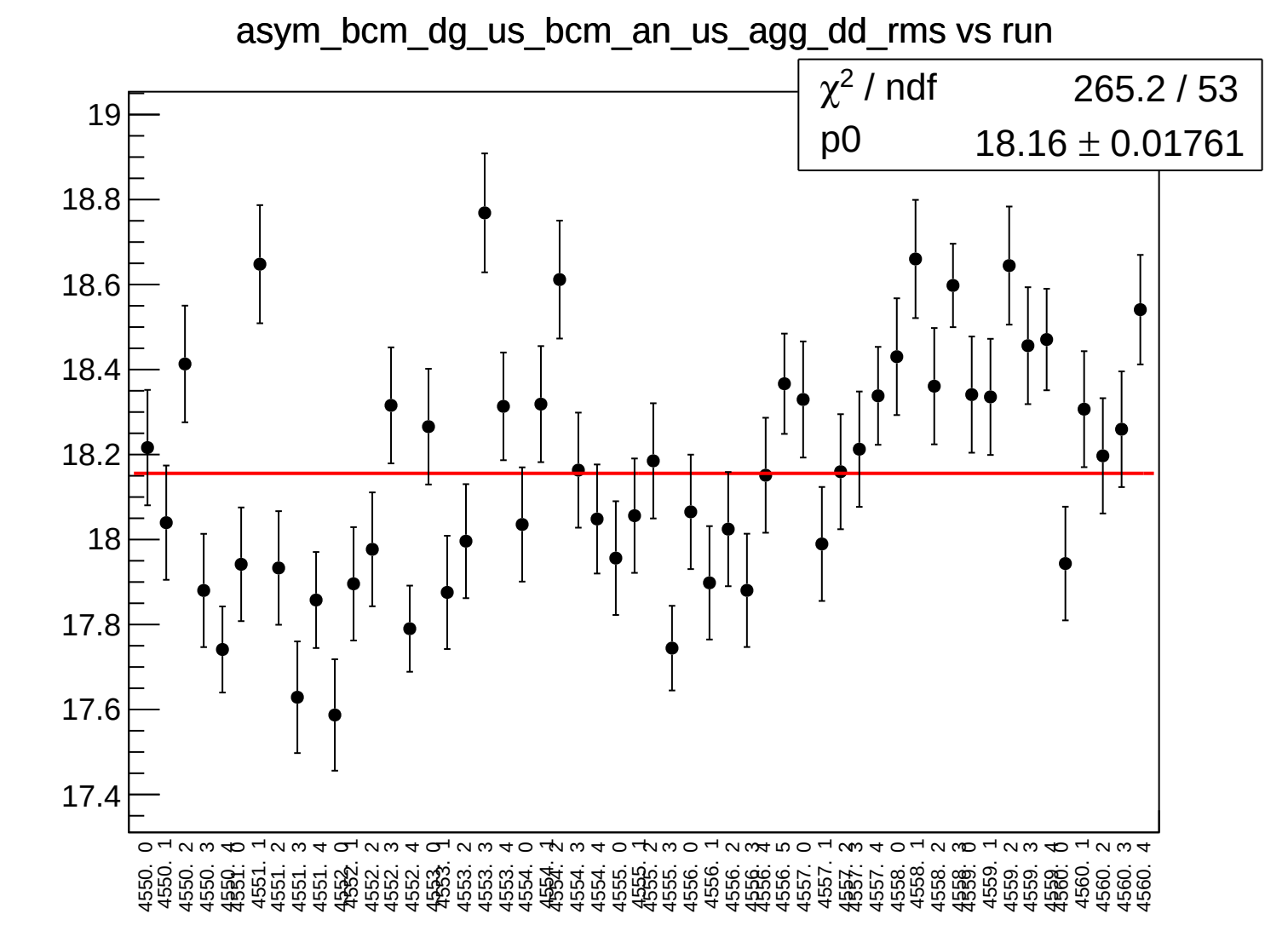
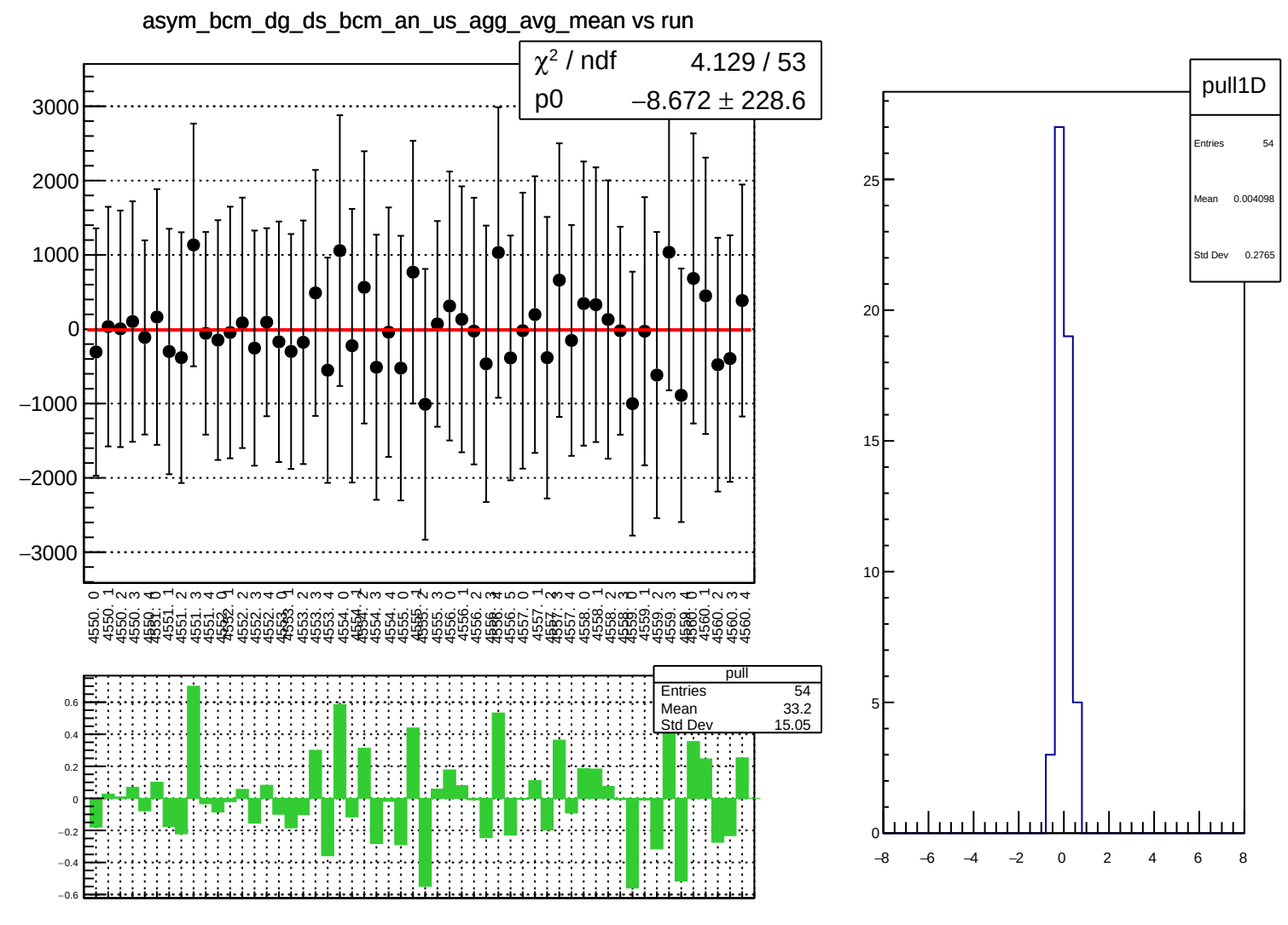
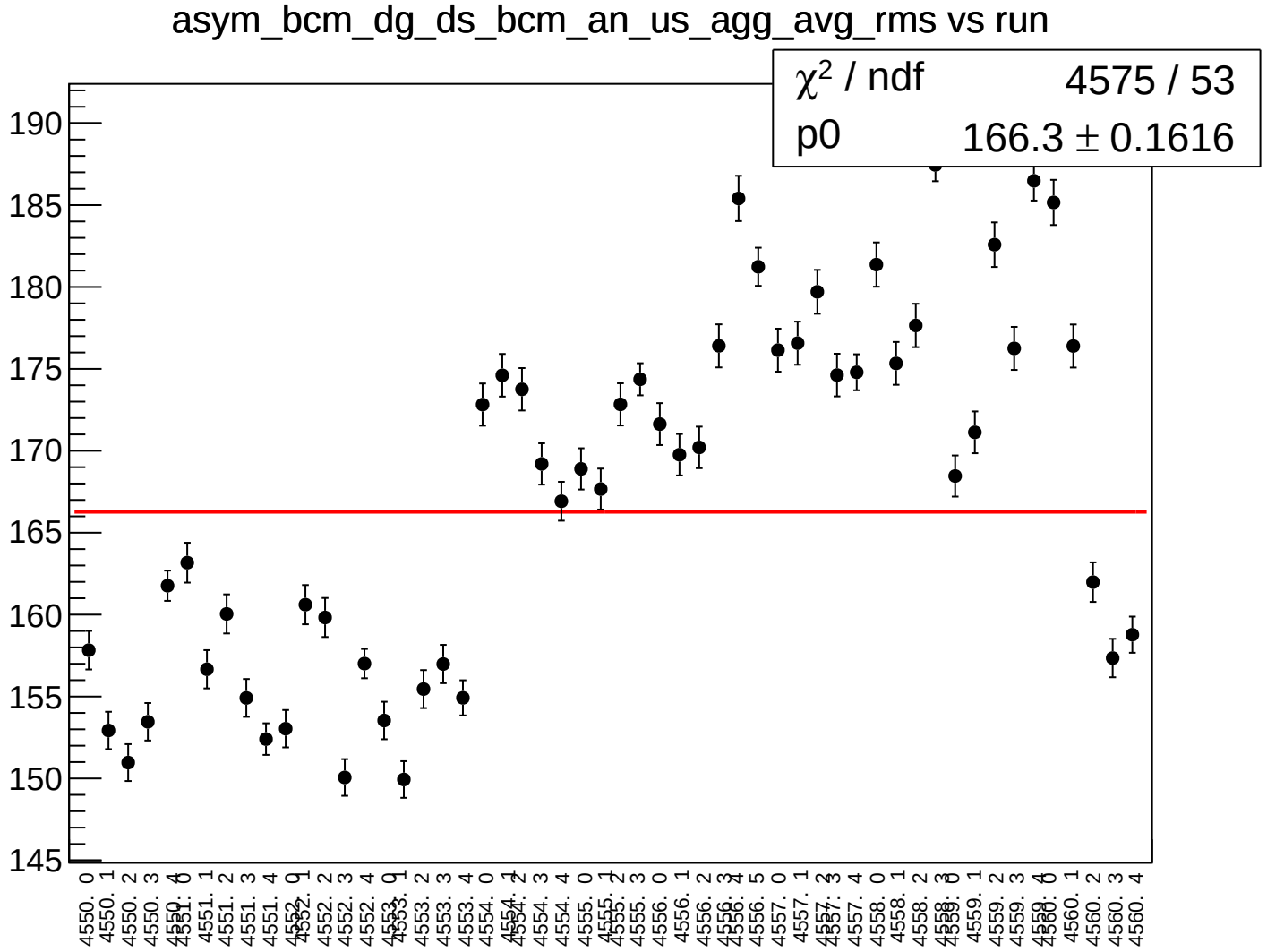
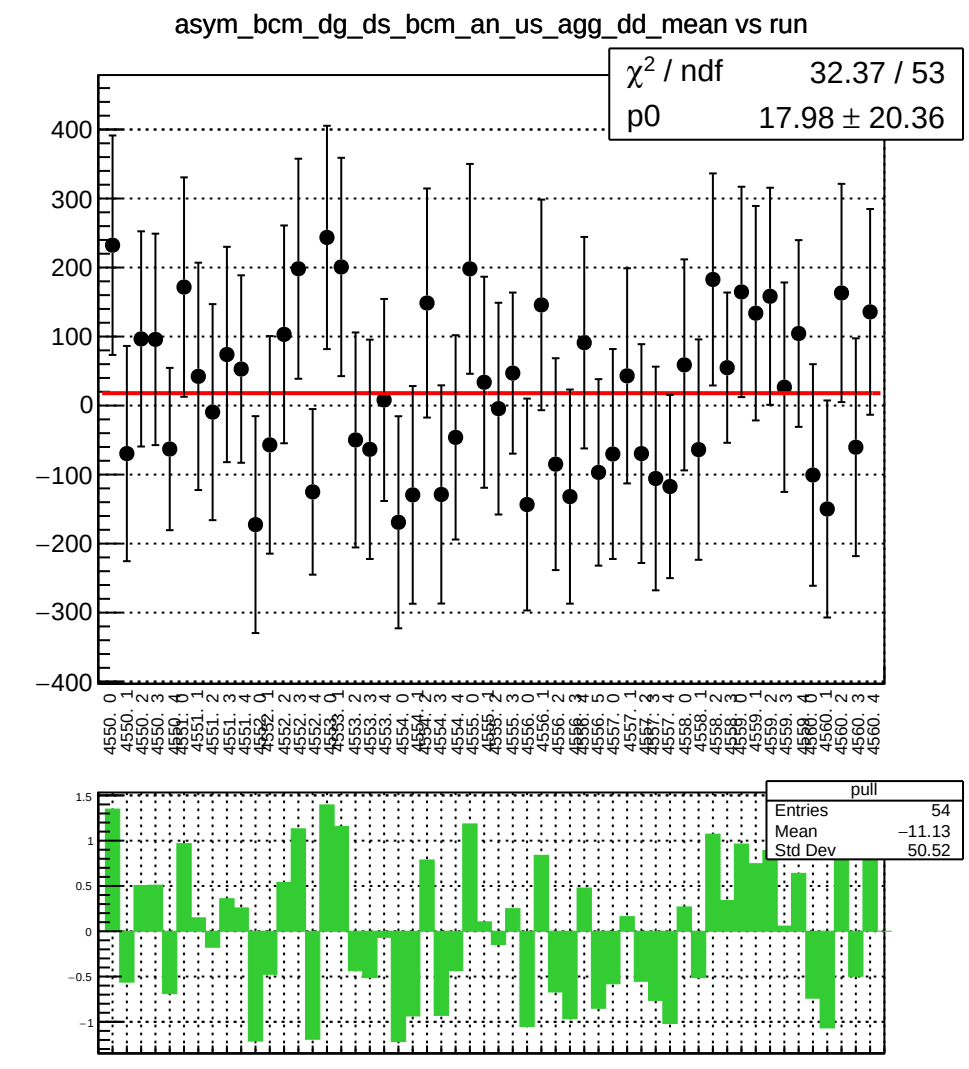
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

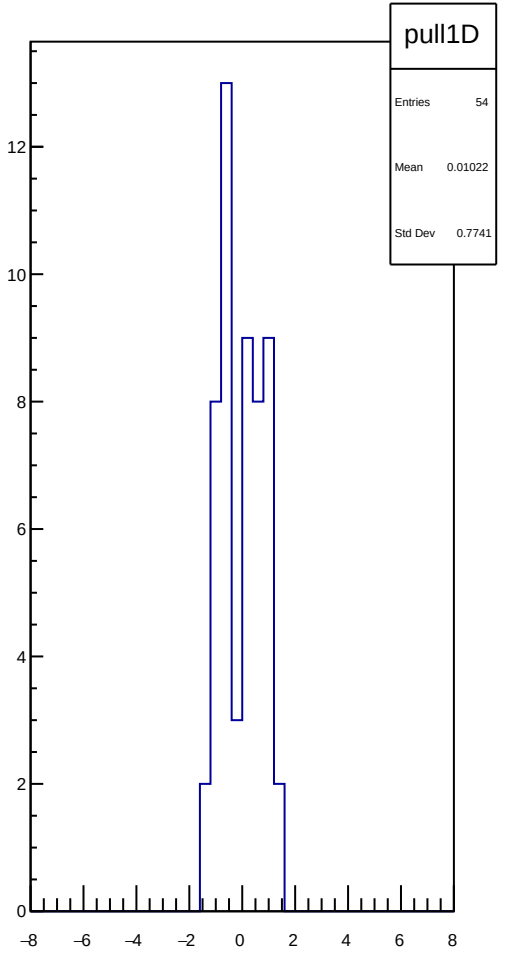

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 54.18 / 53
p0 14.79 ± 24.91
pull
Entries 54
Mean 3653
Std Dev 3633
pull1D
Entries 54
Mean −0.0005115
Std Dev 1.002

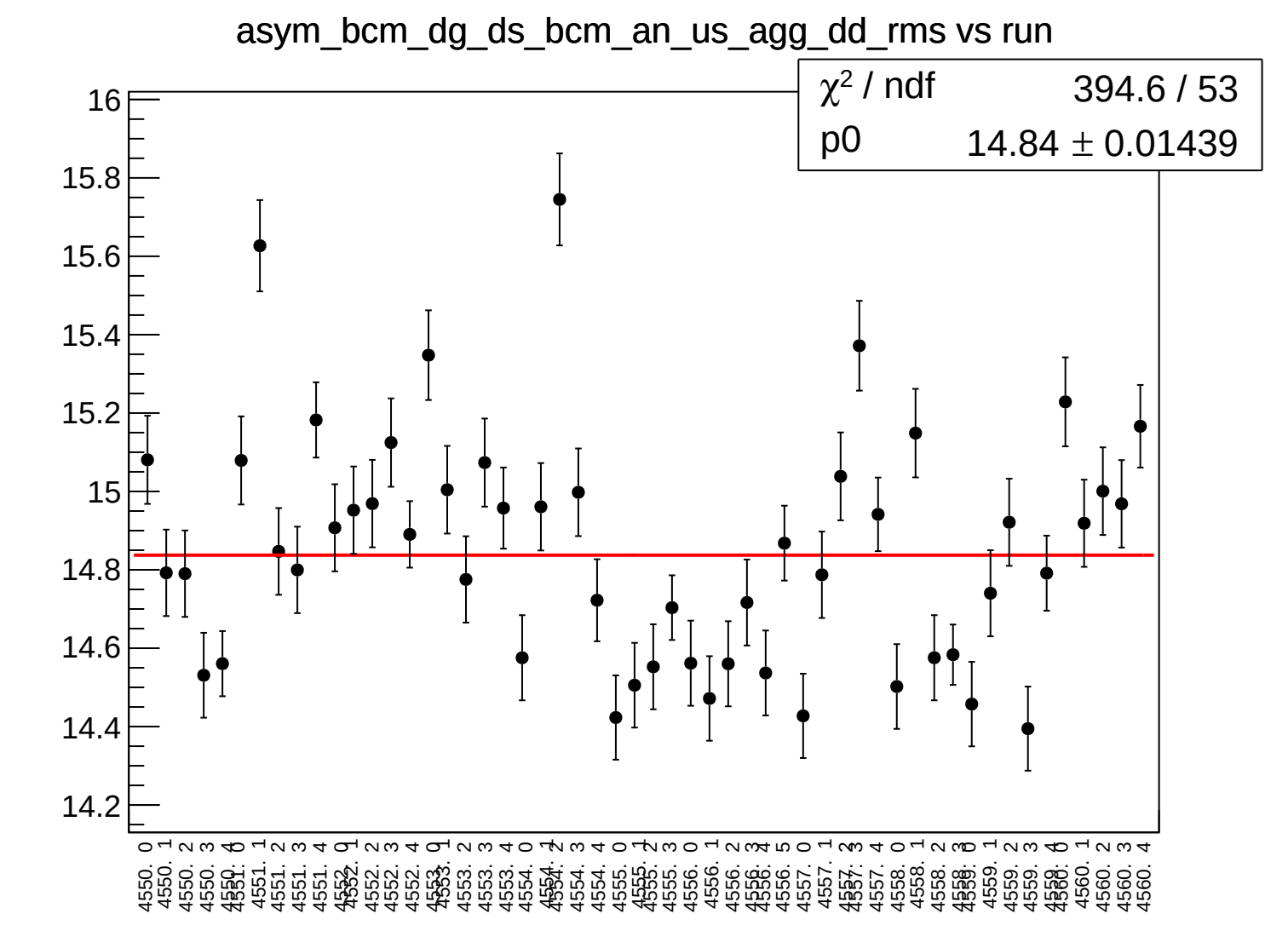

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 265.2 / 53
p0 18.16 ± 0.01761
19
18.8
18.6
18.4
18.2
18
17.8
17.6
17.4


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 4.129 / 53
p0 −8.672 ± 228.6
pull
Entries 54
Mean 33.2
Std Dev 15.05
pull1D
Entries 54
Mean 0.004098
Std Dev 0.2765


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4575 / 53
p0 166.3 ± 0.1616
190
185
180
175
170
165
160
155
150
145


asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 32.37 / 53
p0 17.98 ± 20.36
pull
Entries 54
Mean −11.13
Std Dev 50.52


pull1D
Entries 54
Mean 0.01022
Std Dev 0.7741


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 394.6 / 53
p0 14.84 ± 0.01439
16
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
14.2
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
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4552. 3
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4553. 0
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4553. 3
4553. 4
4554. 0
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4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
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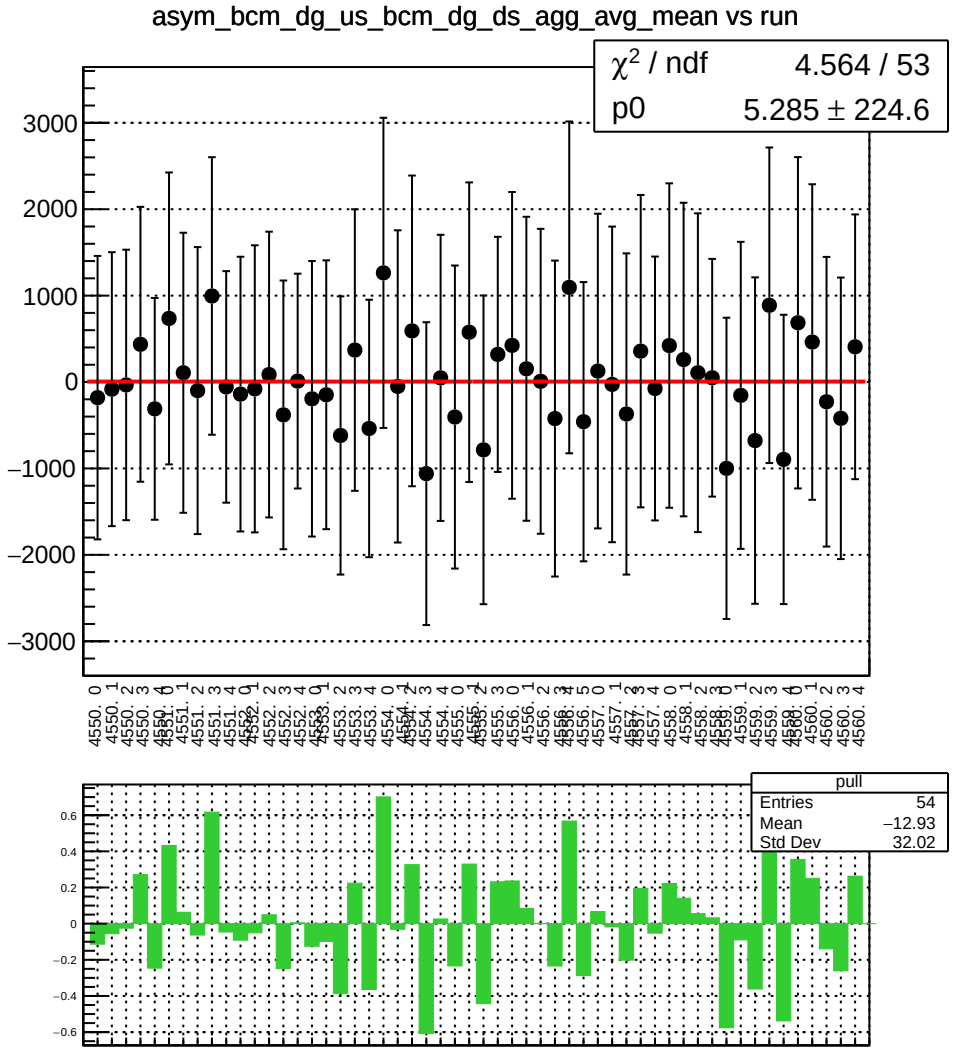
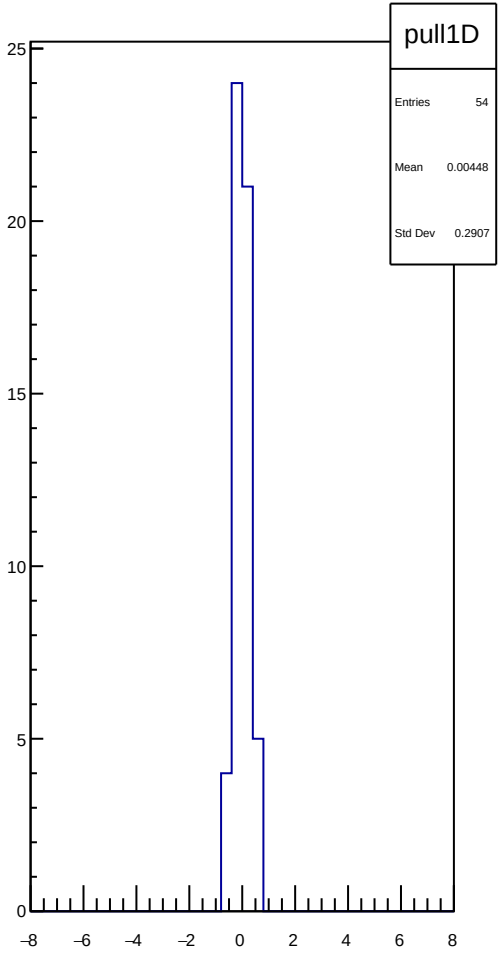
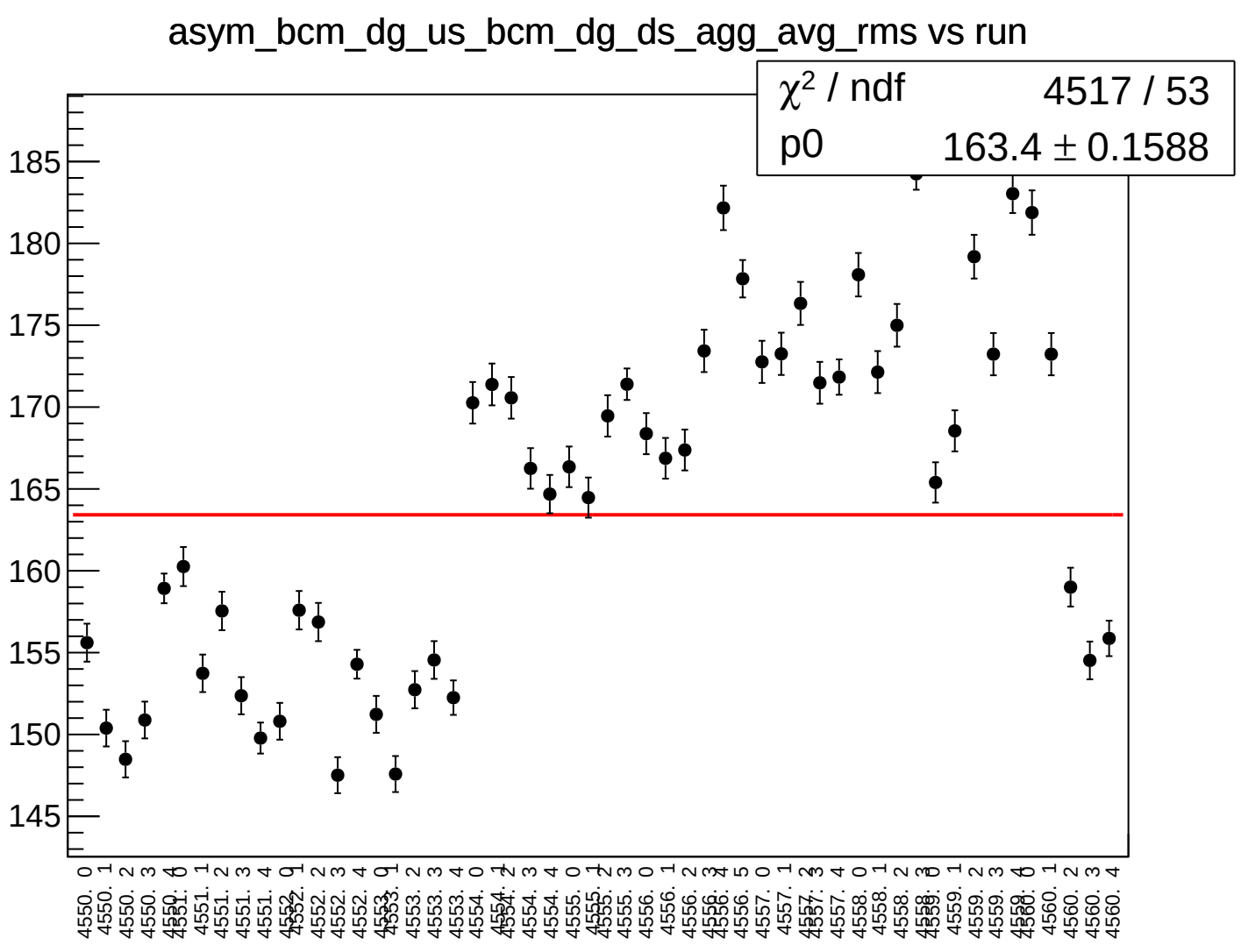
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 4.564 / 53
p0 5.285 ± 224.6
pull
Entries 54
Mean −12.93
Std Dev 32.02


pull1D
Entries 54
Mean 0.00448
Std Dev 0.2907


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 4517 / 53
p0 163.4 ± 0.1588
185
180
175
170
165
160
155
150
145
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
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4555. 2
4555. 3
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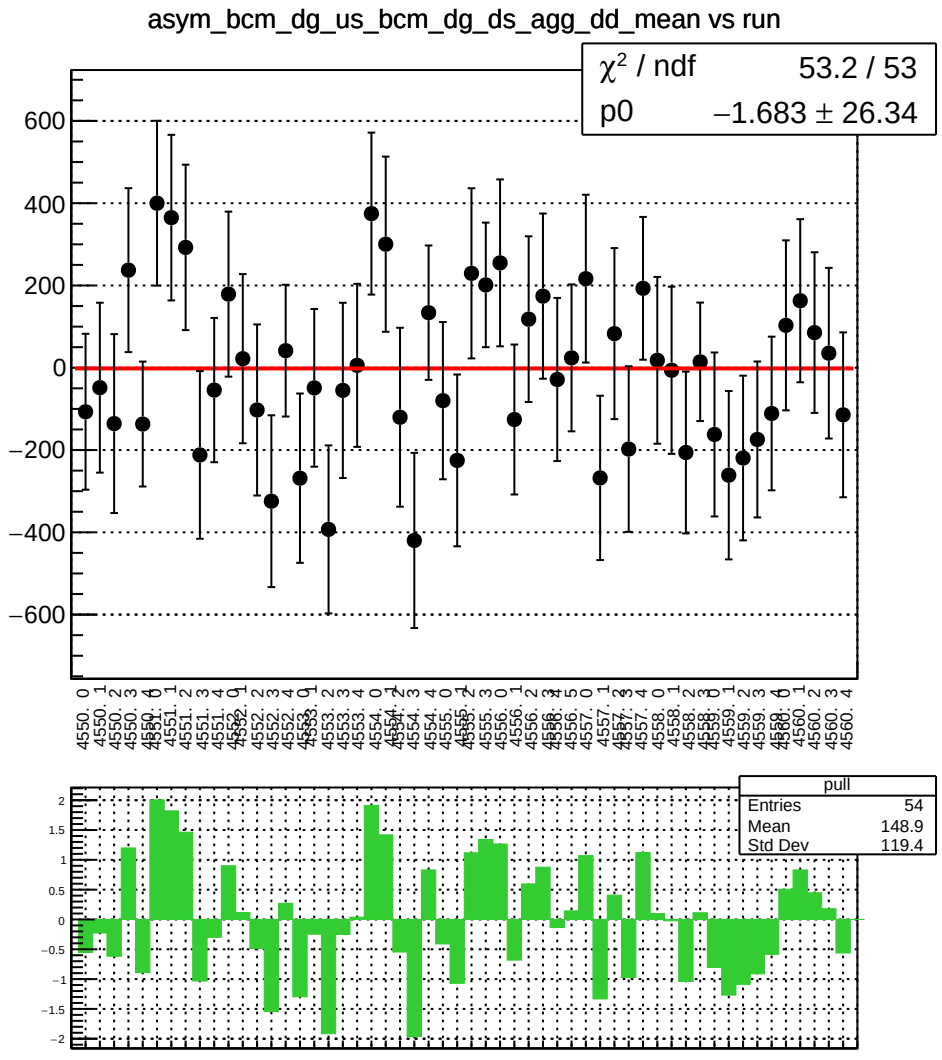
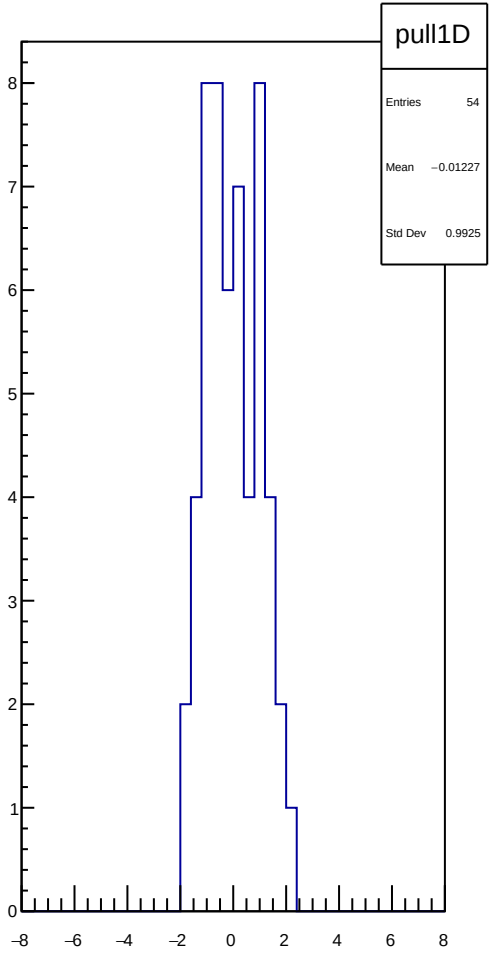
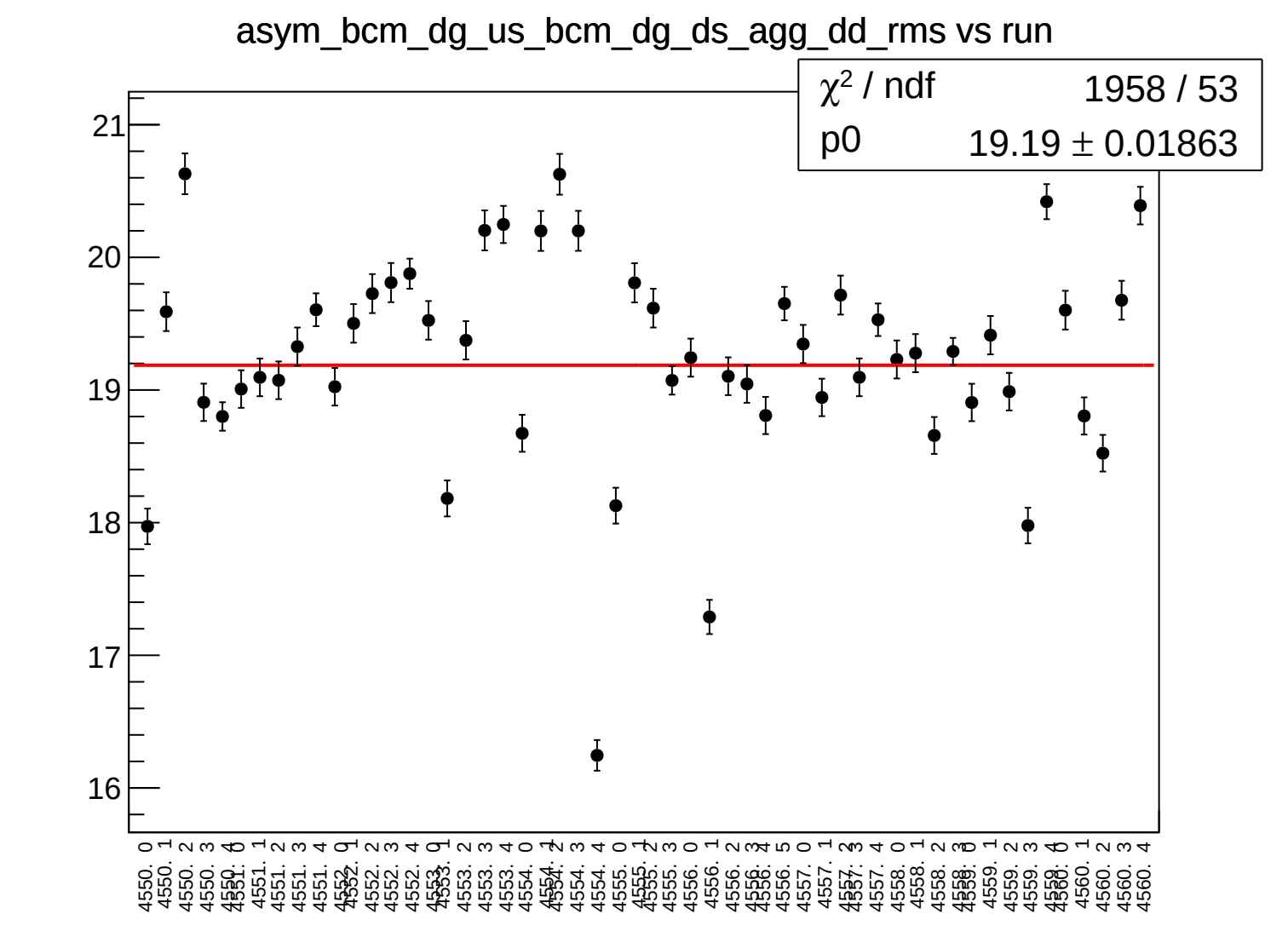
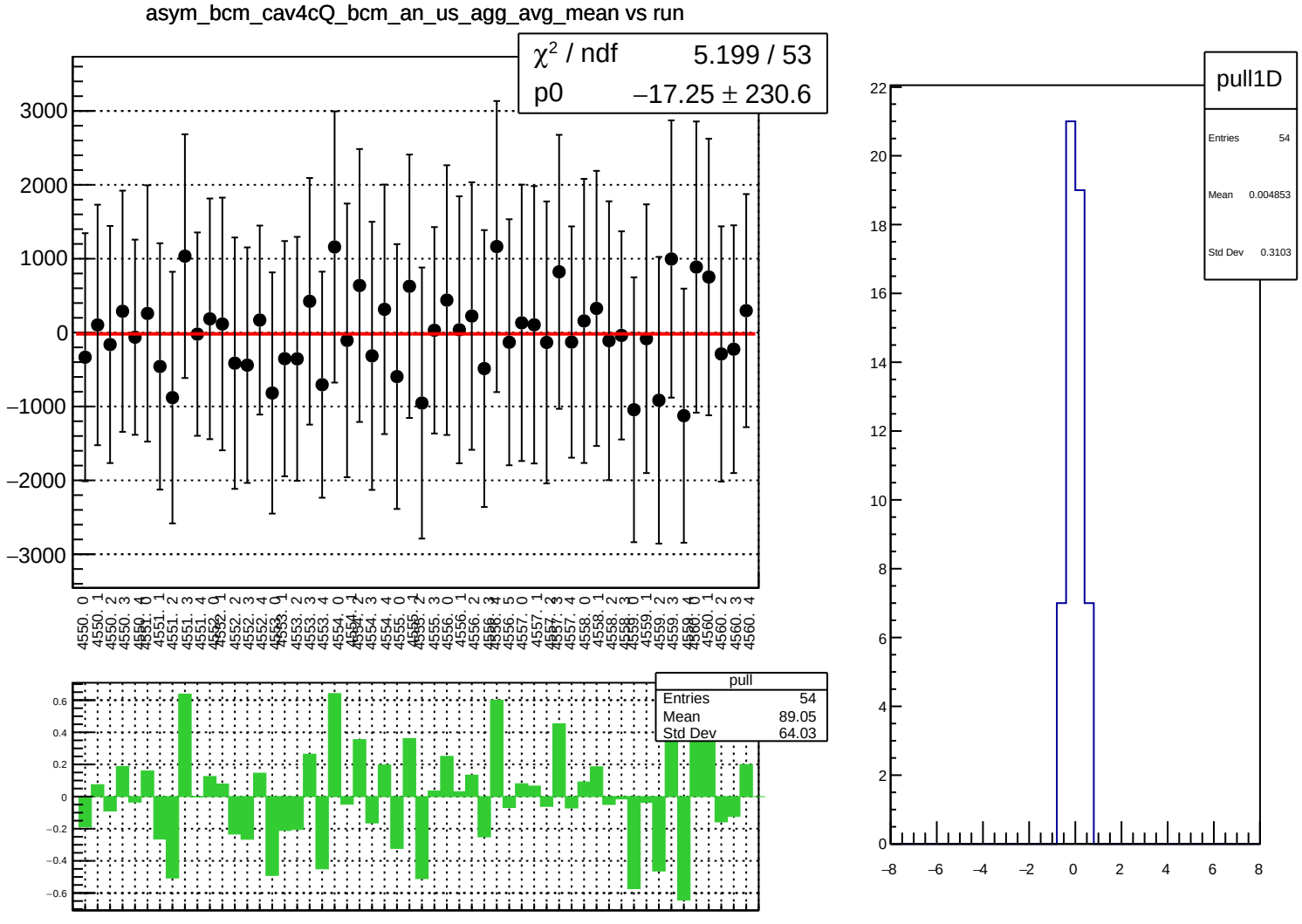
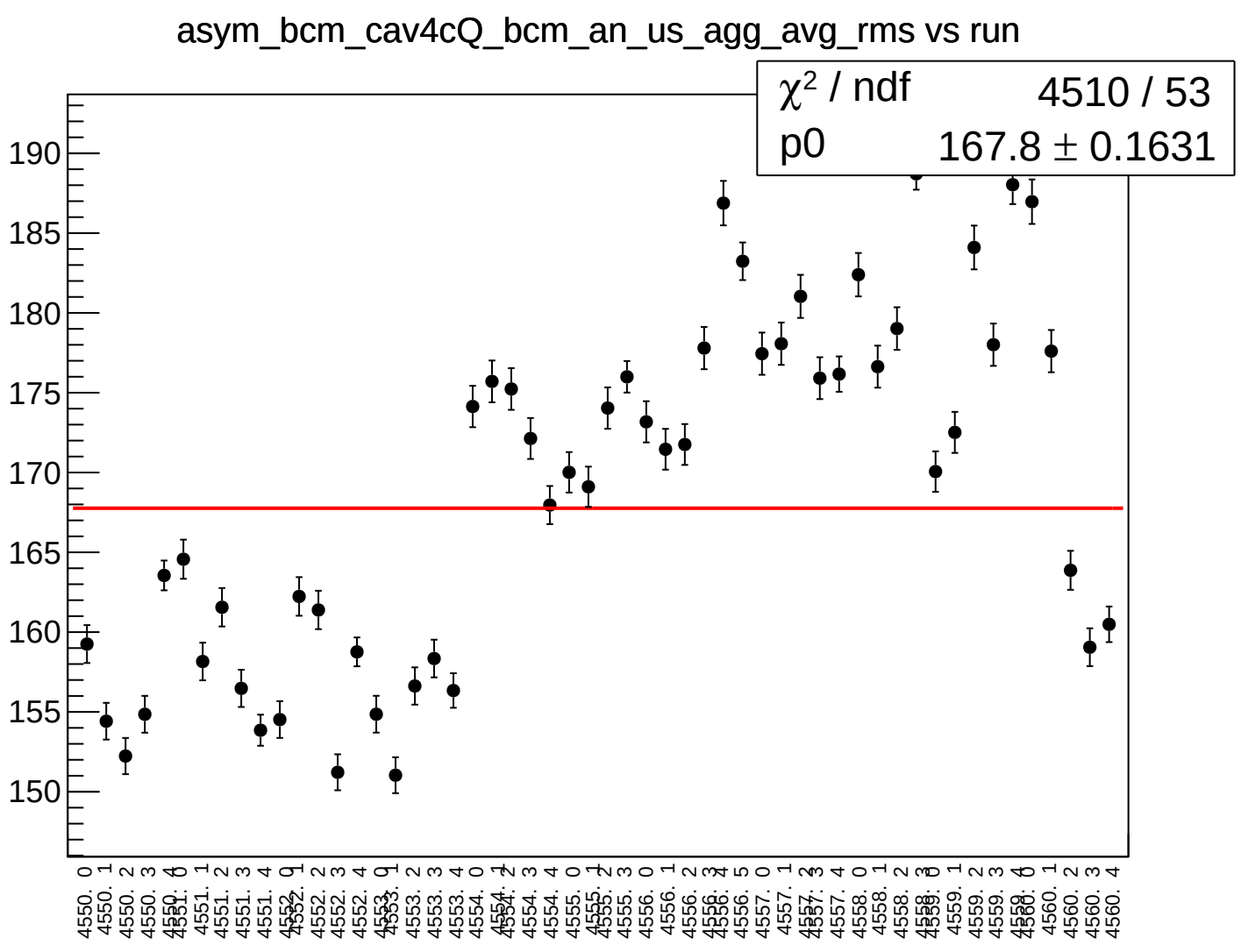
4560. 4


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 53.2 / 53
p0 −1.683 ± 26.34
pull
Entries 54
Mean 148.9
Std Dev 119.4


pull1D
Entries 54
Mean −0.01227
Std Dev 0.9925


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1958 / 53
p0 19.19 ± 0.01863
21
20
19
18
17
16


asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 5.199 / 53
p0 −17.25 ± 230.6
pull
Entries 54
Mean 89.05
Std Dev 64.03
pull1D
Entries 54
Mean 0.004853
Std Dev 0.3103


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4510 / 53
p0 167.8 ± 0.1631
190
185
180
175
170
165
160
155
150
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
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4558. 2
4558. 3
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4559. 2
4559. 3
4559. 4
4560. 0
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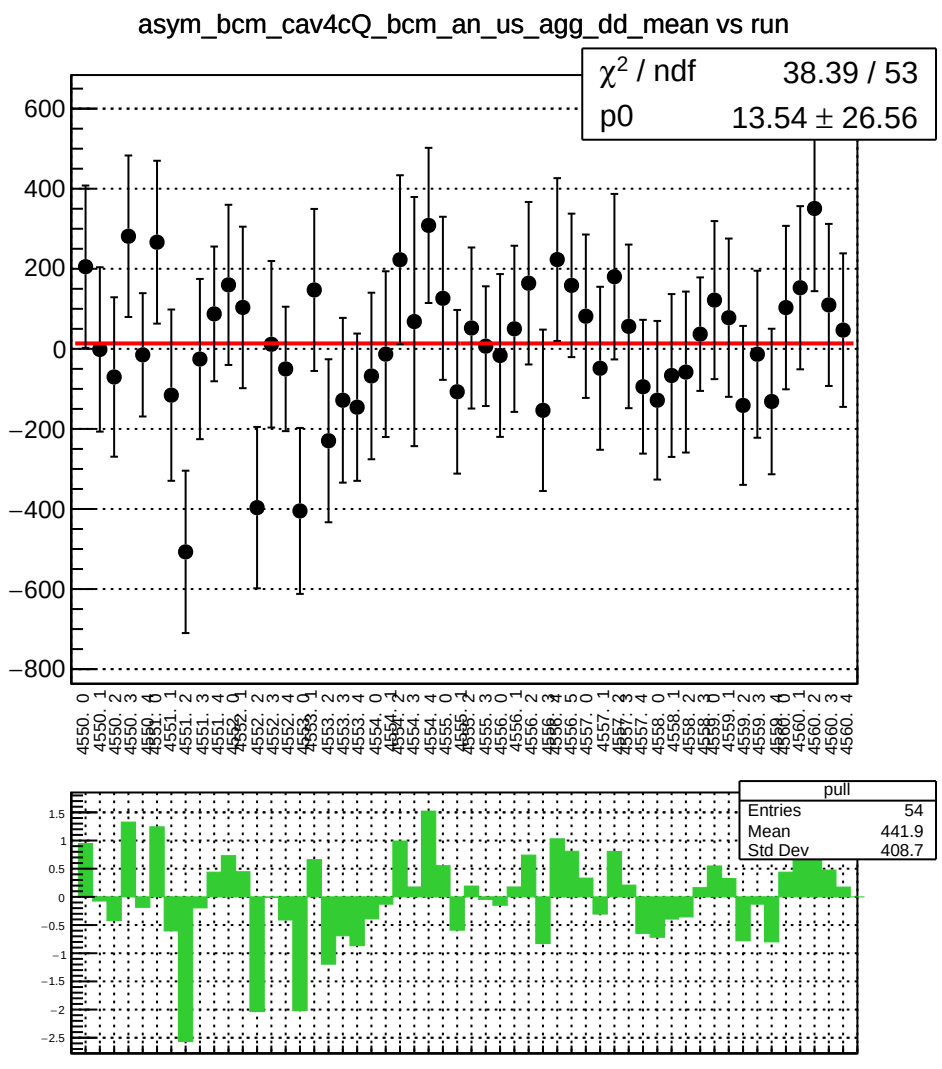
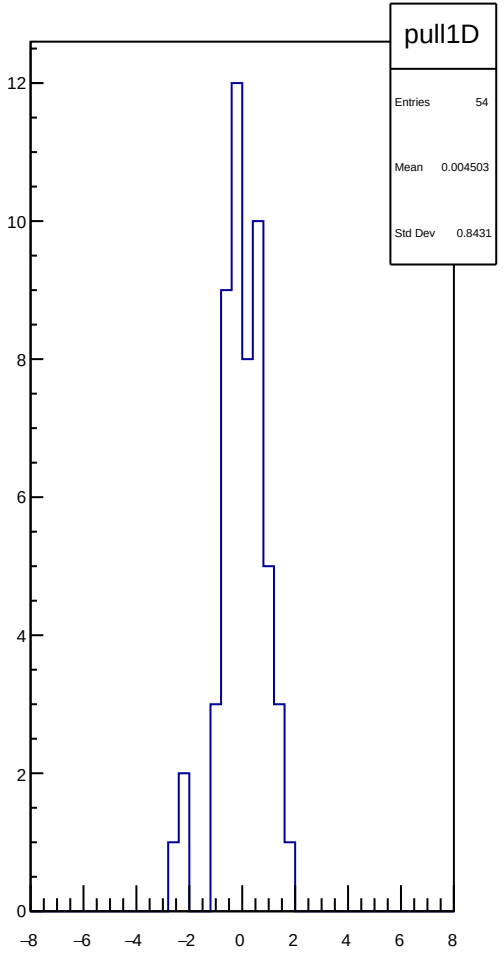
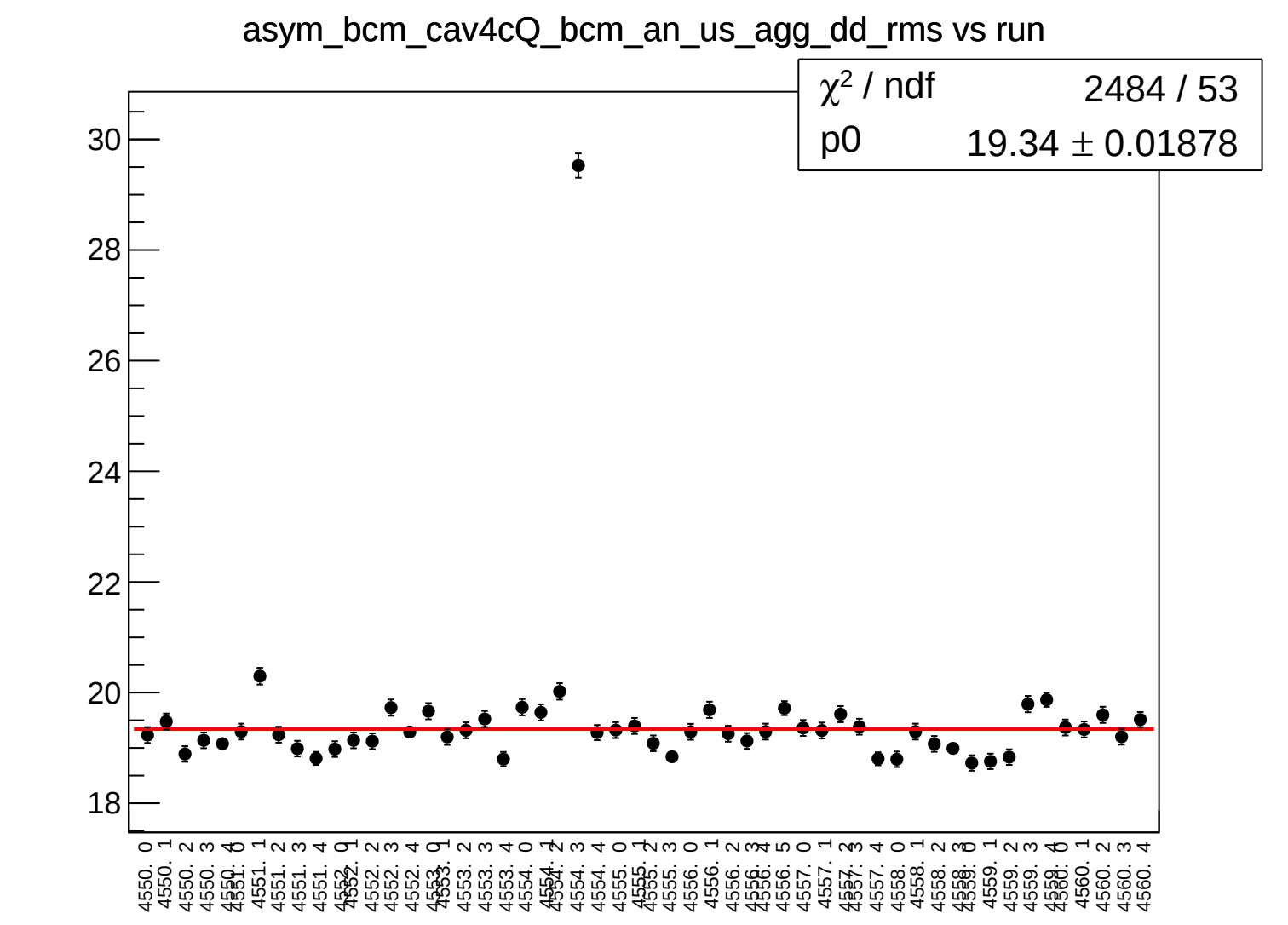
4560. 3
4560. 4


asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 38.39 / 53
p0 13.54 ± 26.56
pull
Entries 54
Mean 441.9
Std Dev 408.7


pull1D
Entries 54
Mean 0.004503
Std Dev 0.8431


asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2484 / 53
p0 19.34 ± 0.01878
30
28
26
24
22
20
18
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
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4551. 2
4551. 3
4551. 4
4552. 0
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4558. 2
4558. 3
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4559. 2
4559. 3
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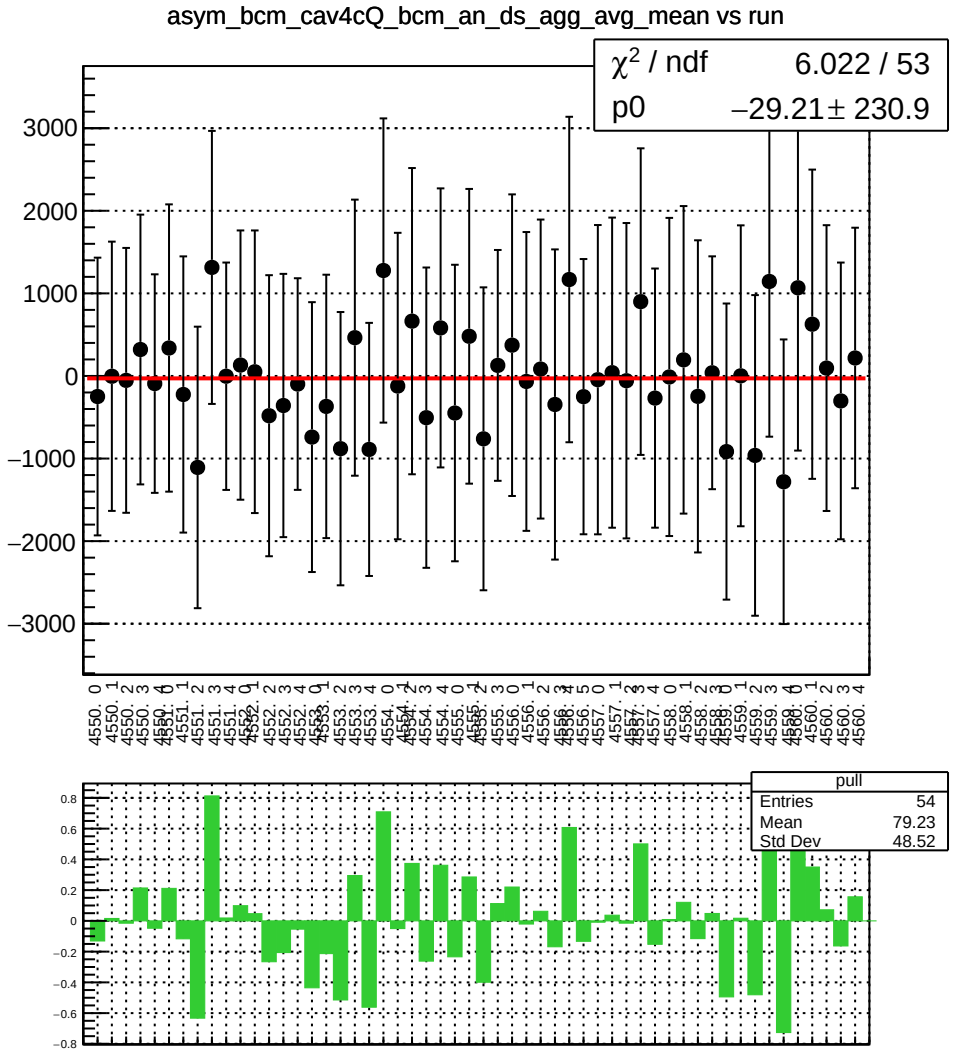
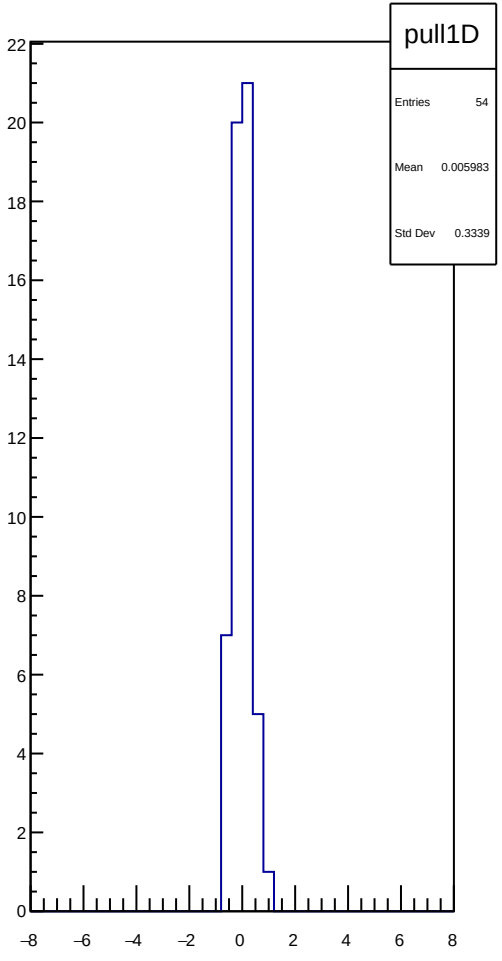
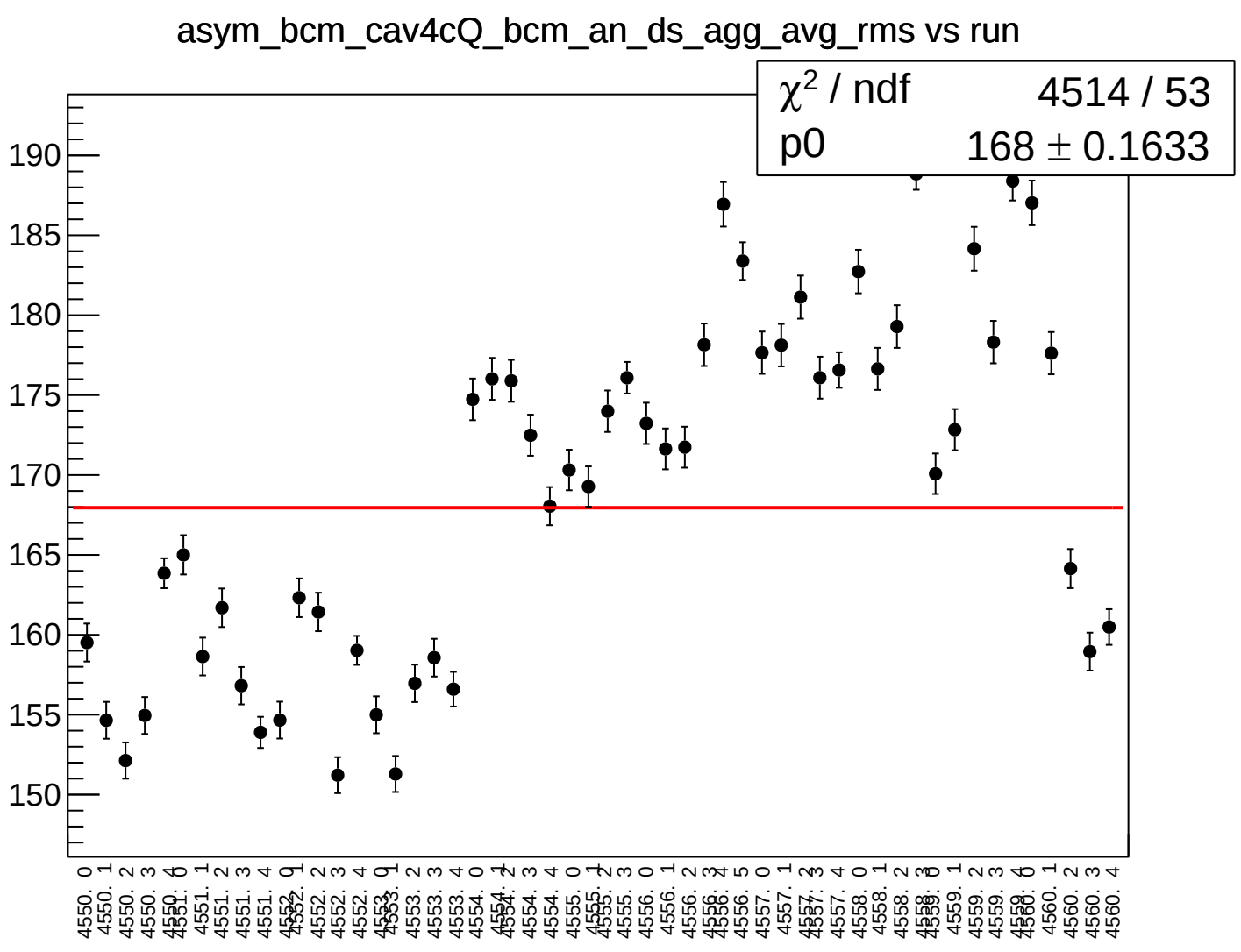
4560. 3
4560. 4


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 6.022 / 53
p0 −29.21 ± 230.9
pull
Entries 54
Mean 79.23
Std Dev 48.52


pull1D
Entries 54
Mean 0.005983
Std Dev 0.3339


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4514 / 53
p0 168 ± 0.1633
190
185
180
175
170
165
160
155
150
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
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4554. 2
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4558. 2
4558. 3
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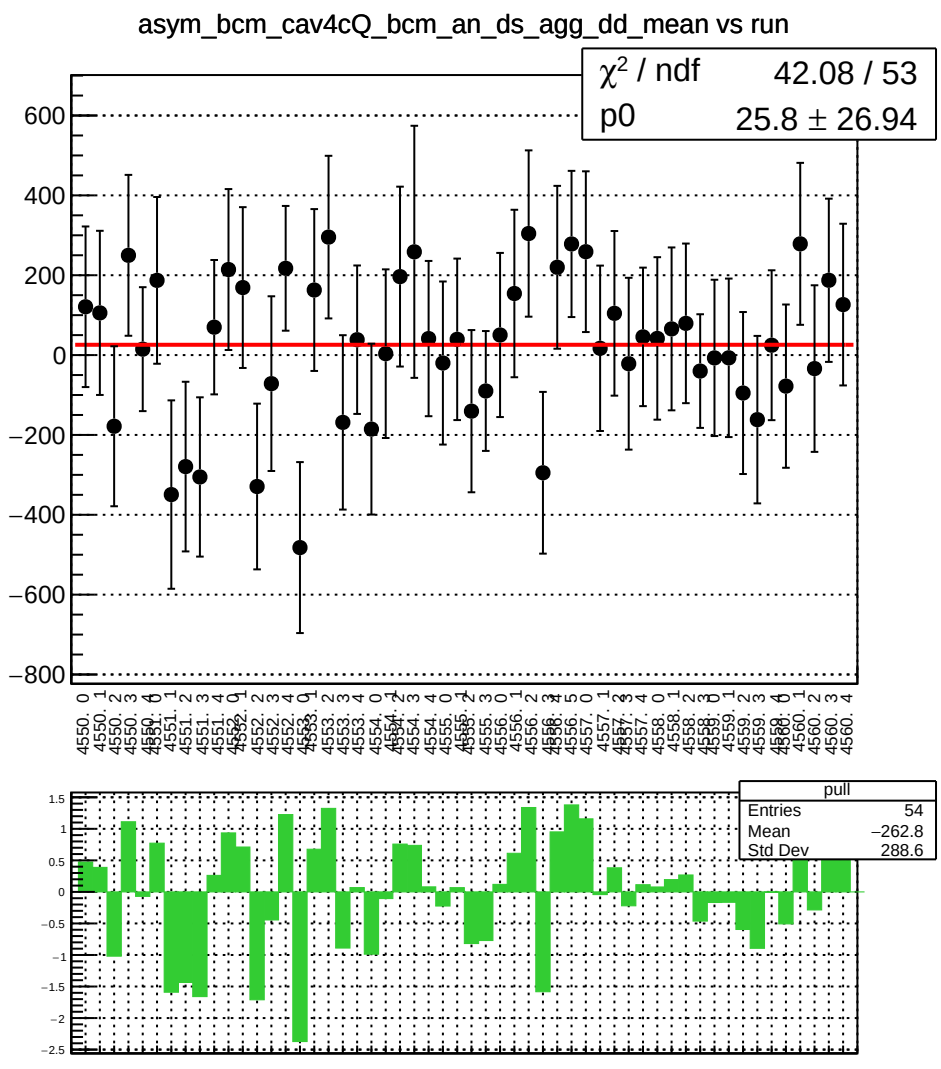
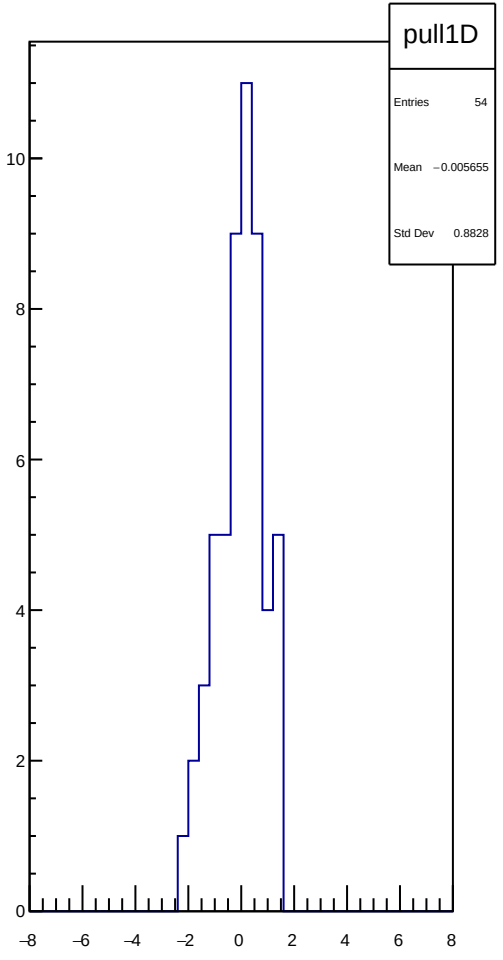
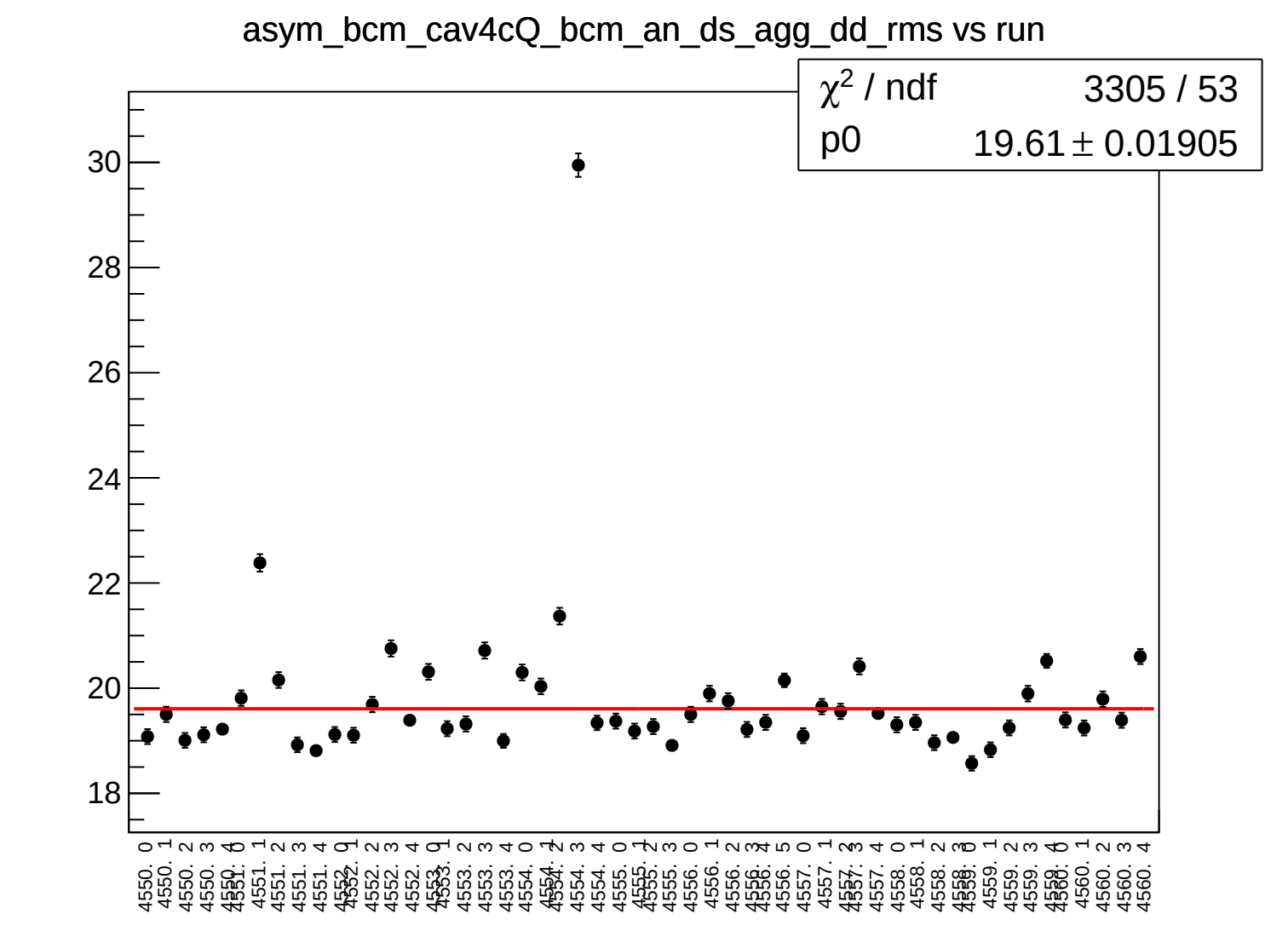
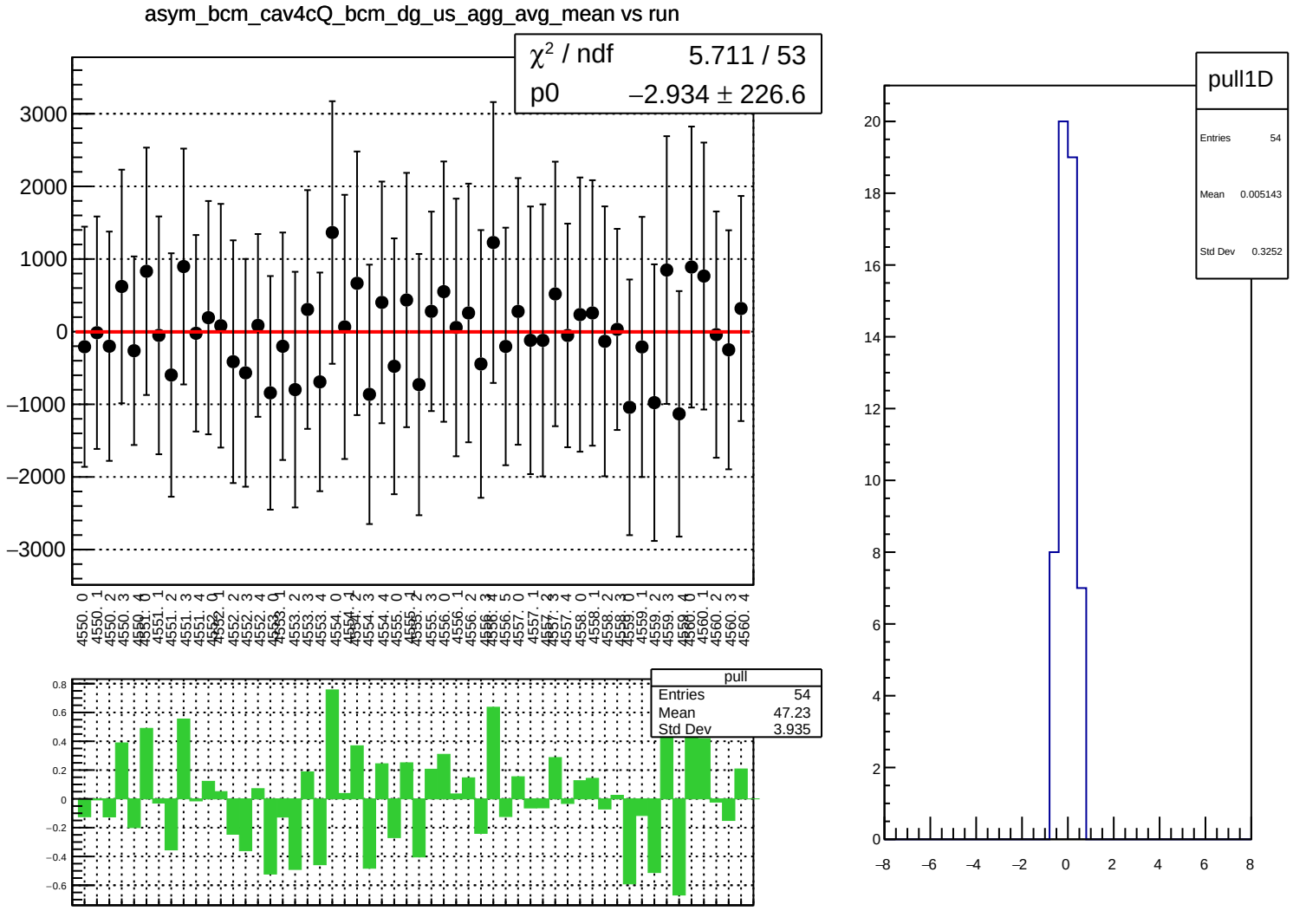
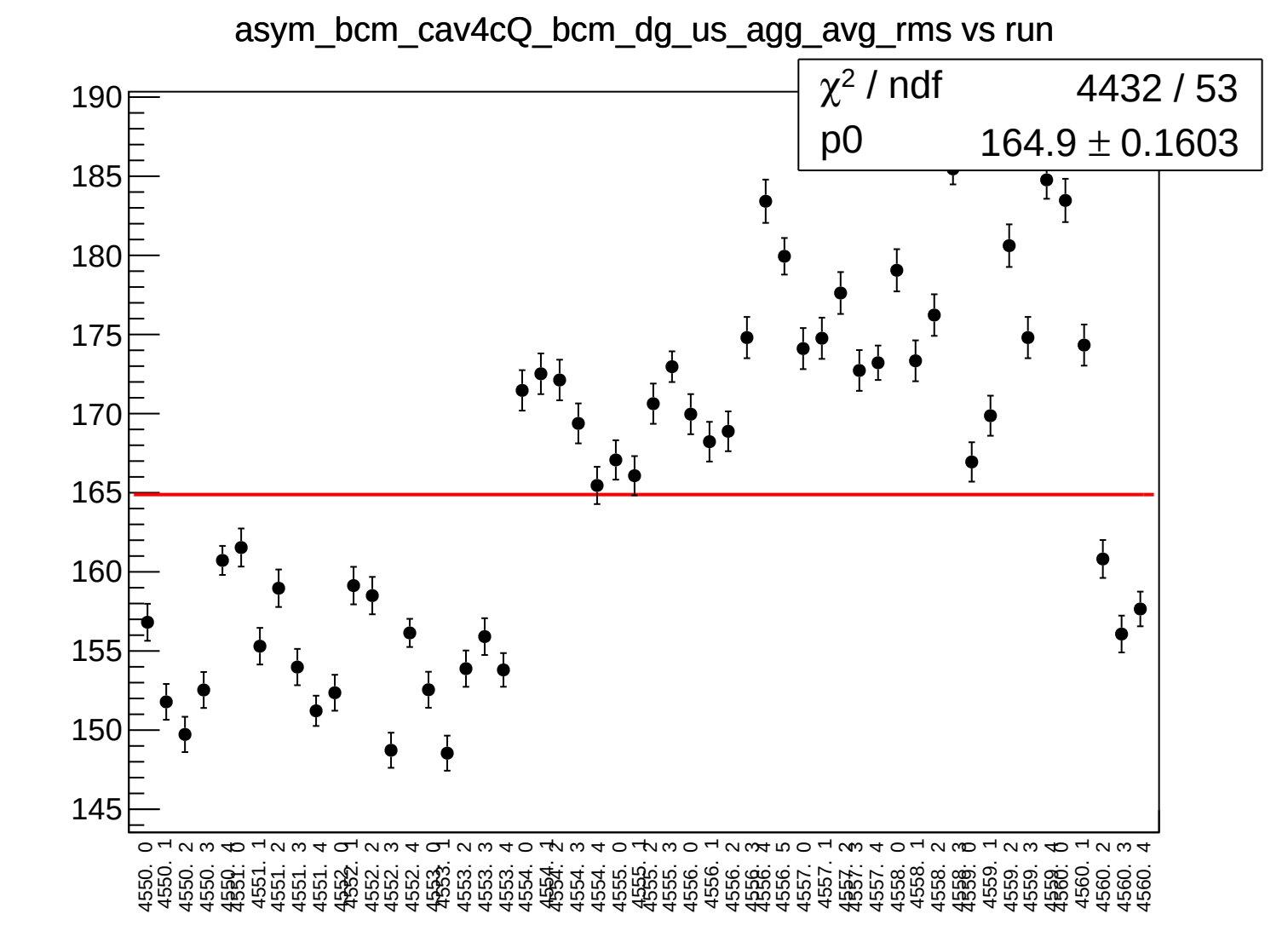
4560. 4

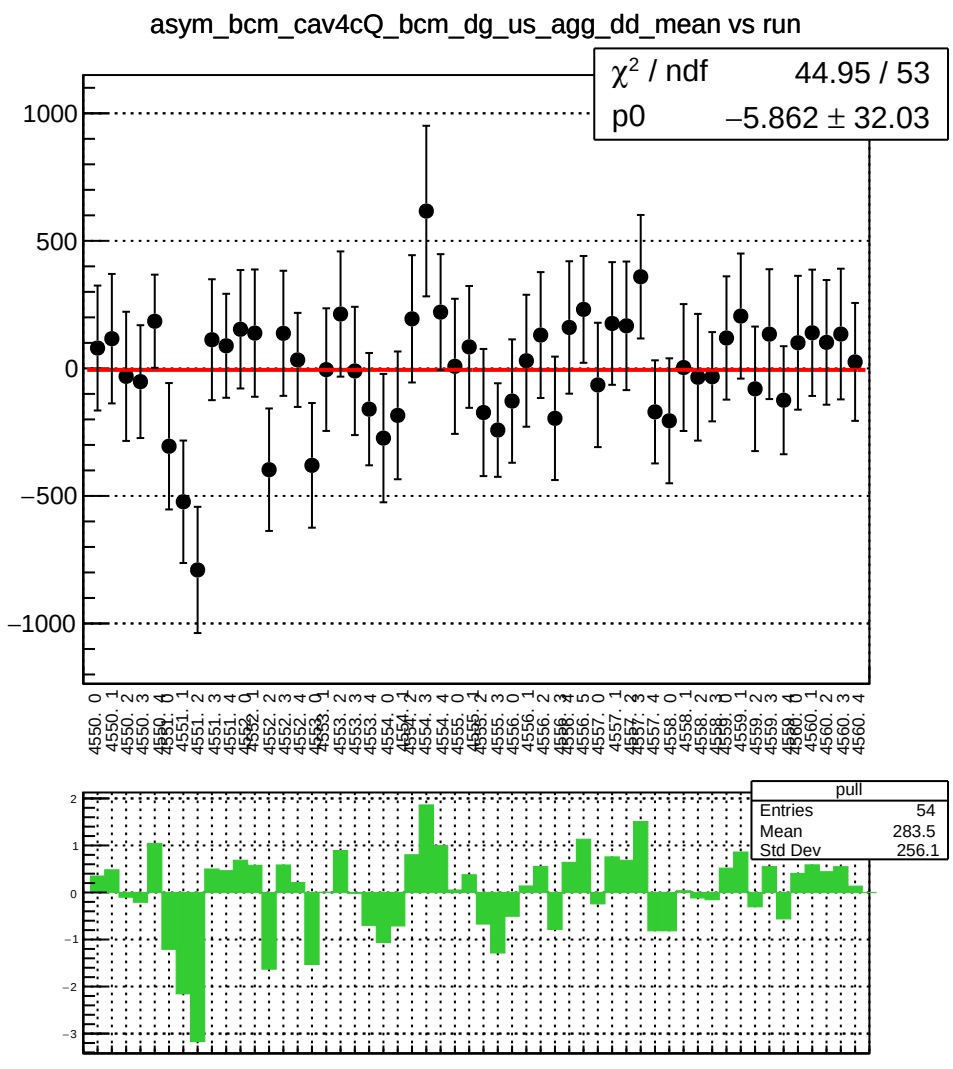

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 42.08 / 53
p0 25.8 ± 26.94
pull
Entries 54
Mean −262.8
Std Dev 288.6

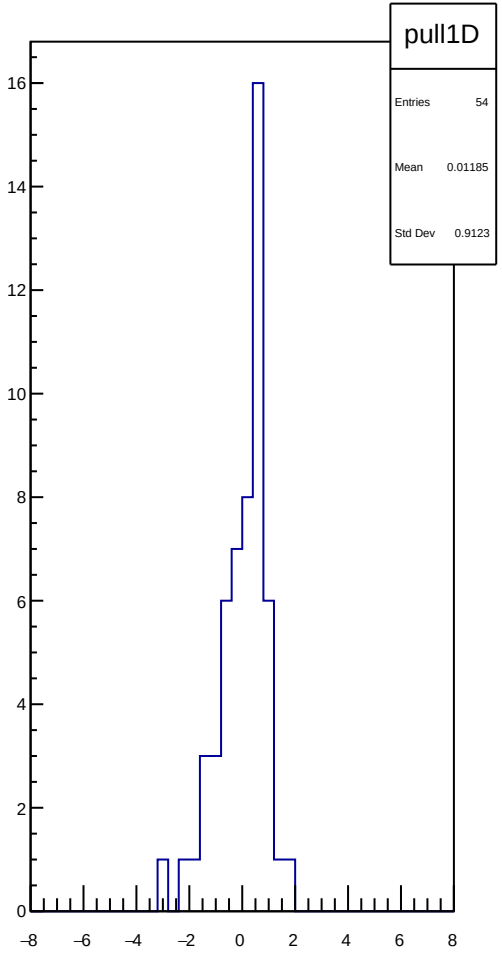

pull1D
Entries 54
Mean −0.005655
Std Dev 0.8828

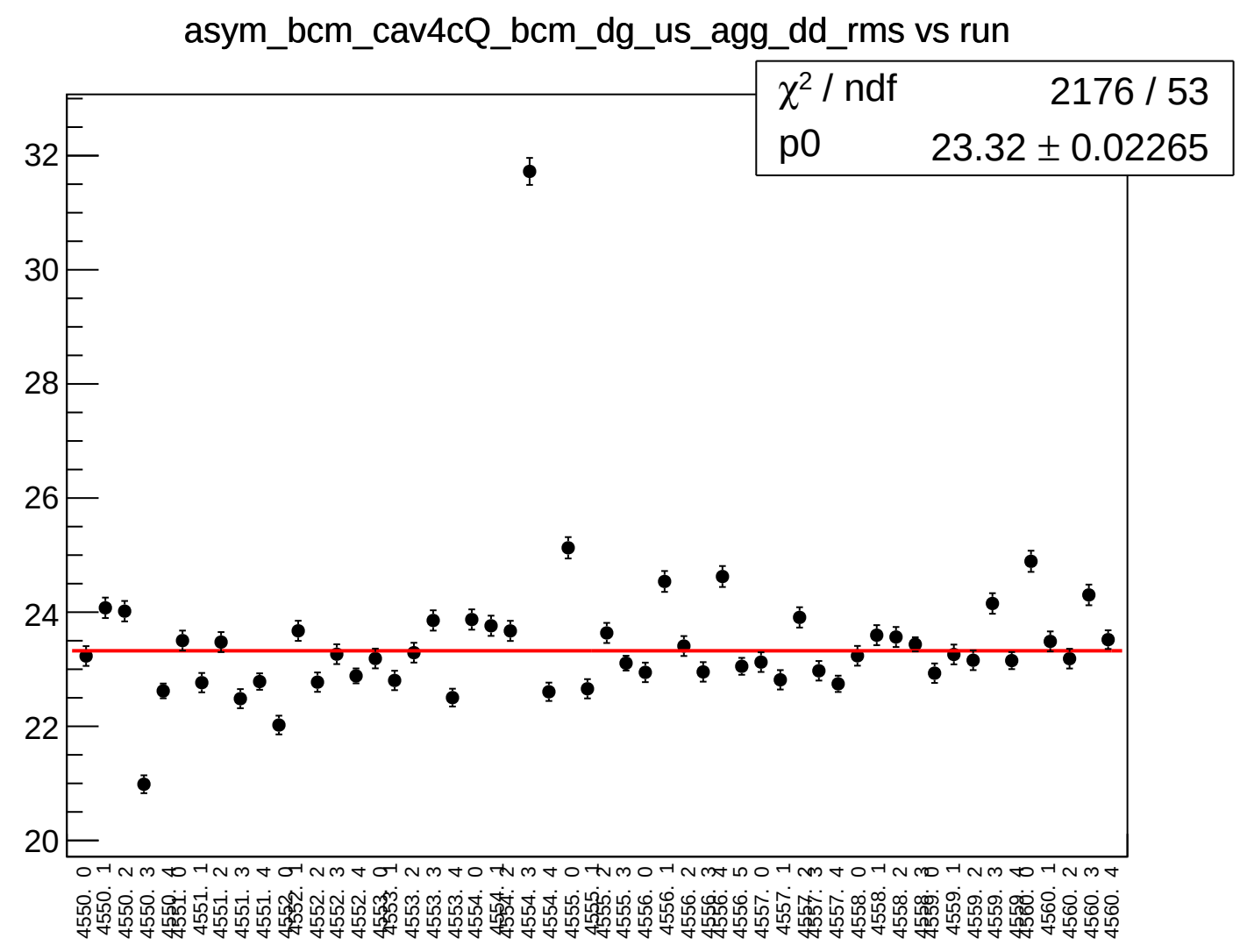

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 3305 / 53
p0 19.61 ± 0.01905
30
28
26
24
22
20
18


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 5.711 / 53
p0 −2.934 ± 226.6
pull
Entries 54
Mean 47.23
Std Dev 3.935
pull1D
Entries 54
Mean 0.005143
Std Dev 0.3252


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 4432 / 53
p0 164.9 ± 0.1603
190
185
180
175
170
165
160
155
150
145


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 44.95 / 53
p0 −5.862 ± 32.03
1000
500
0
−500
−1000
pull
Entries 54
Mean 283.5
Std Dev 256.1
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.01185
Std Dev 0.9123
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 2176 / 53
p0 23.32 ± 0.02265
32
30
28
26
24
22
20
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
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4559. 2
4559. 3
4559. 4
4560. 0
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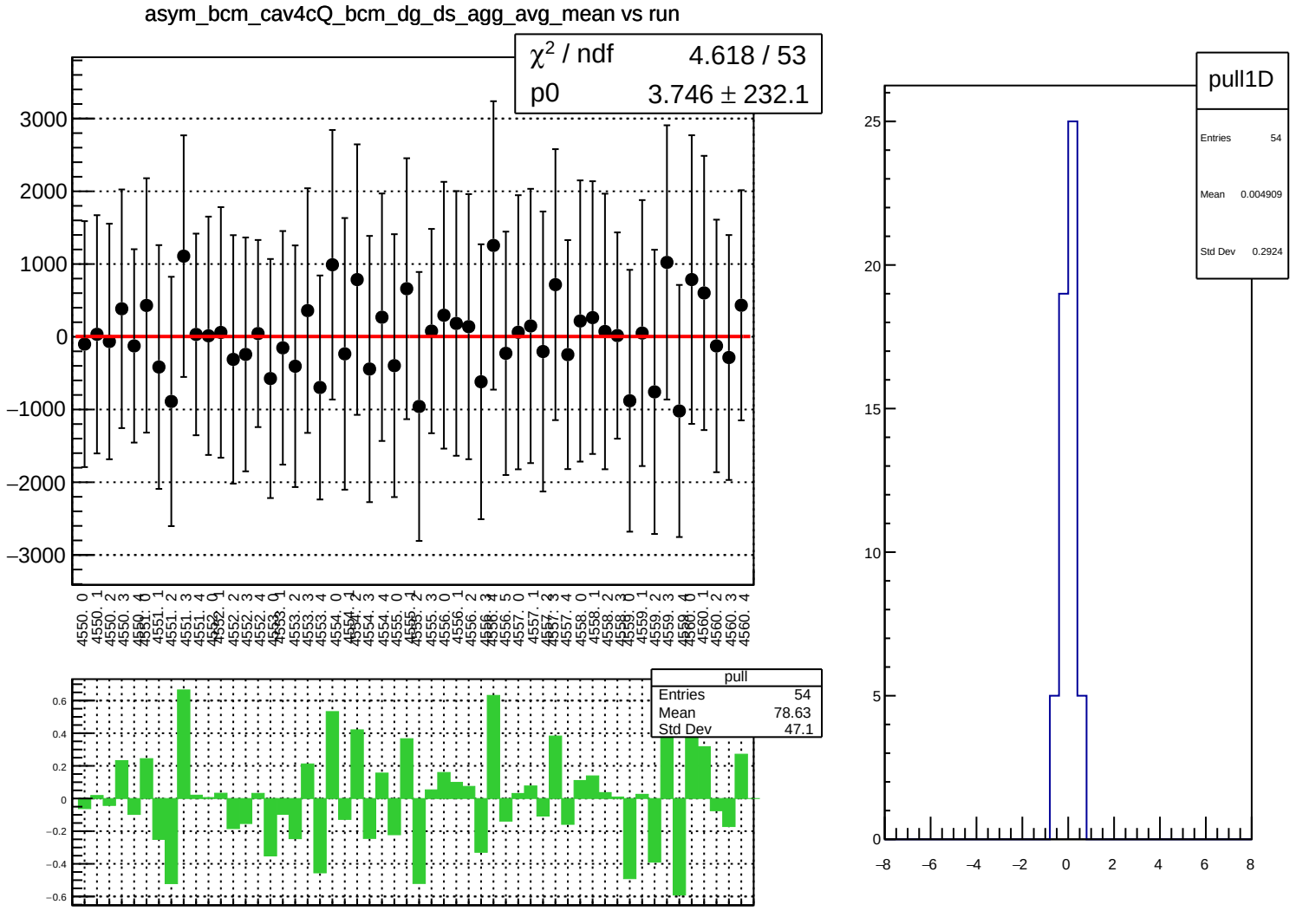
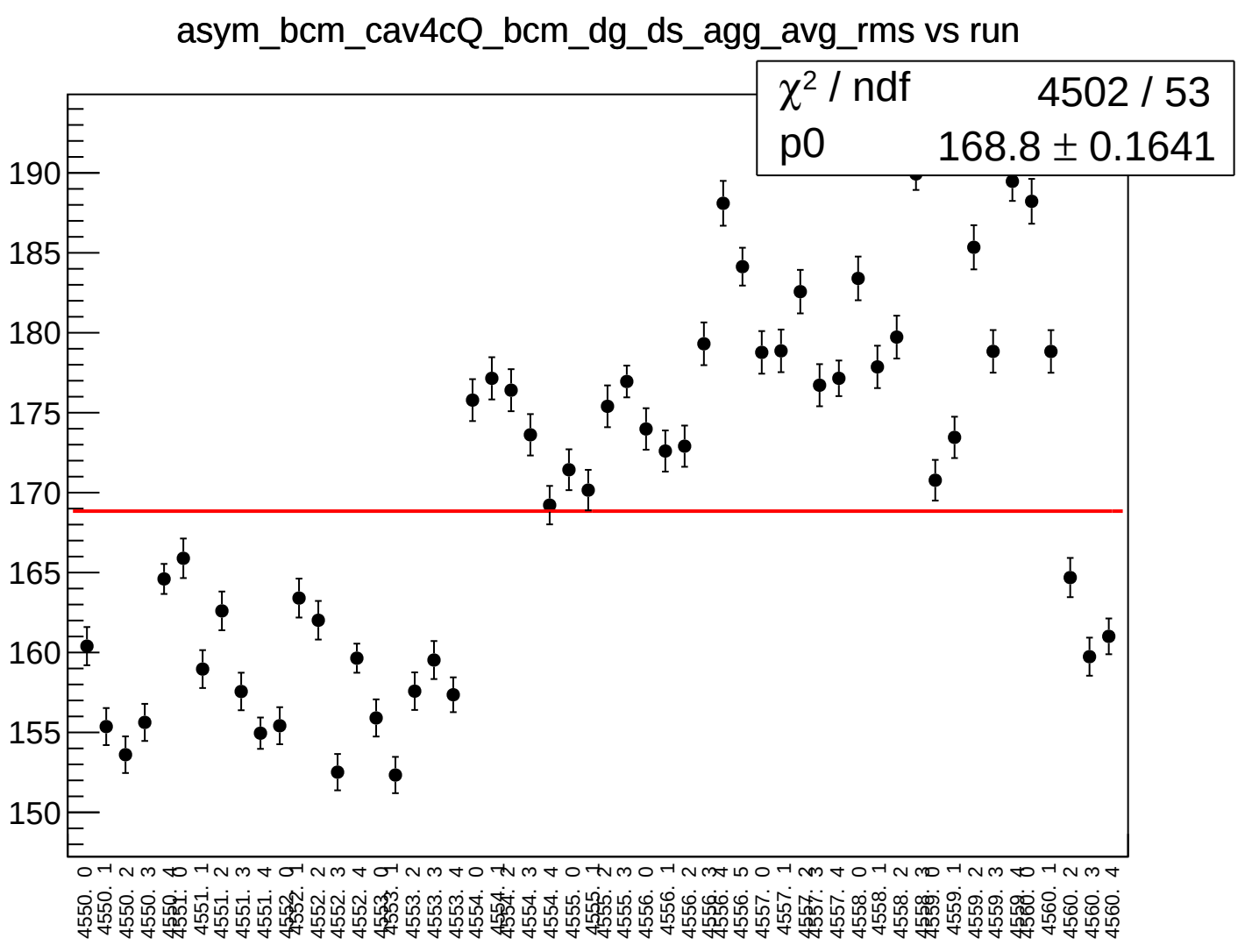
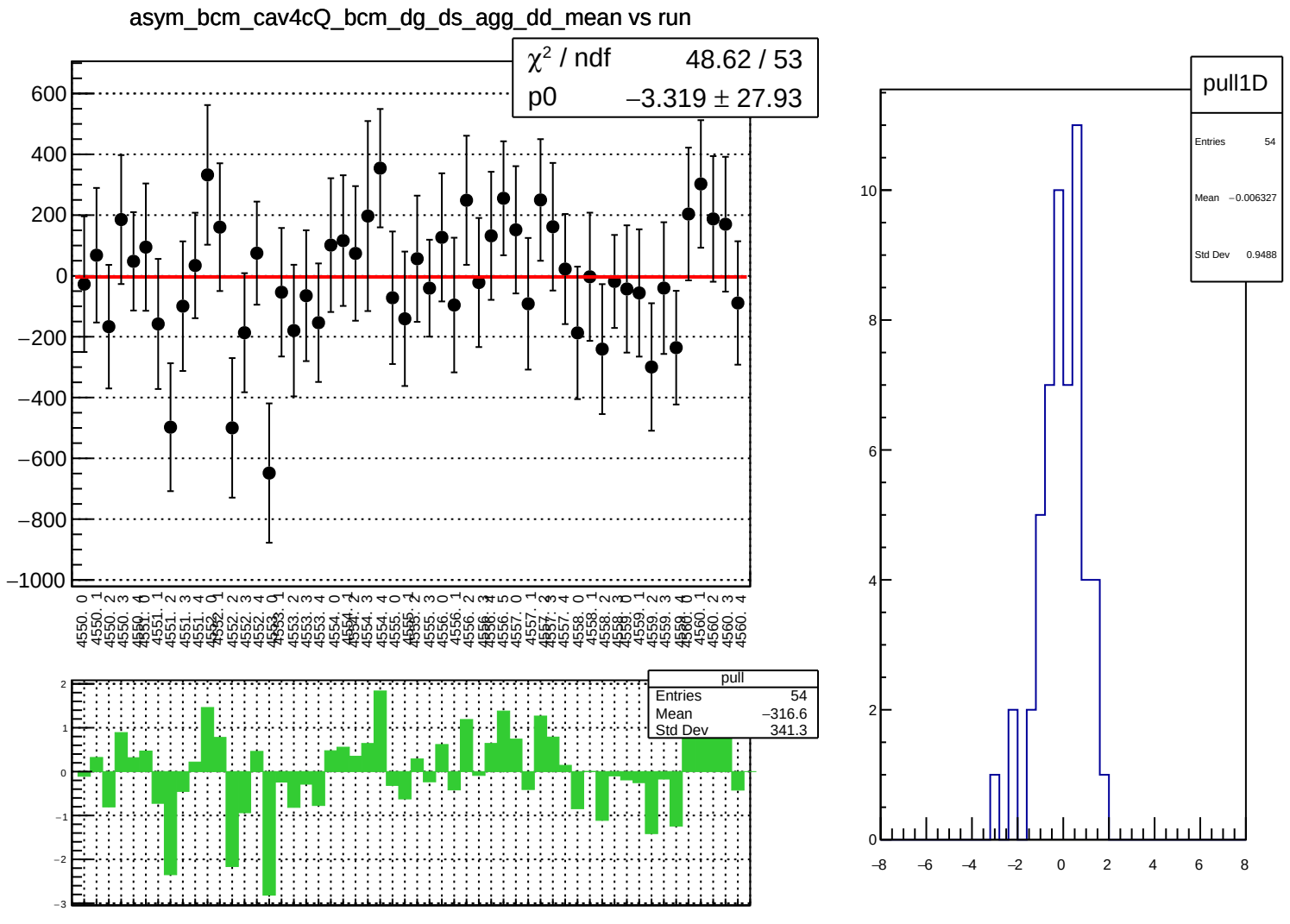
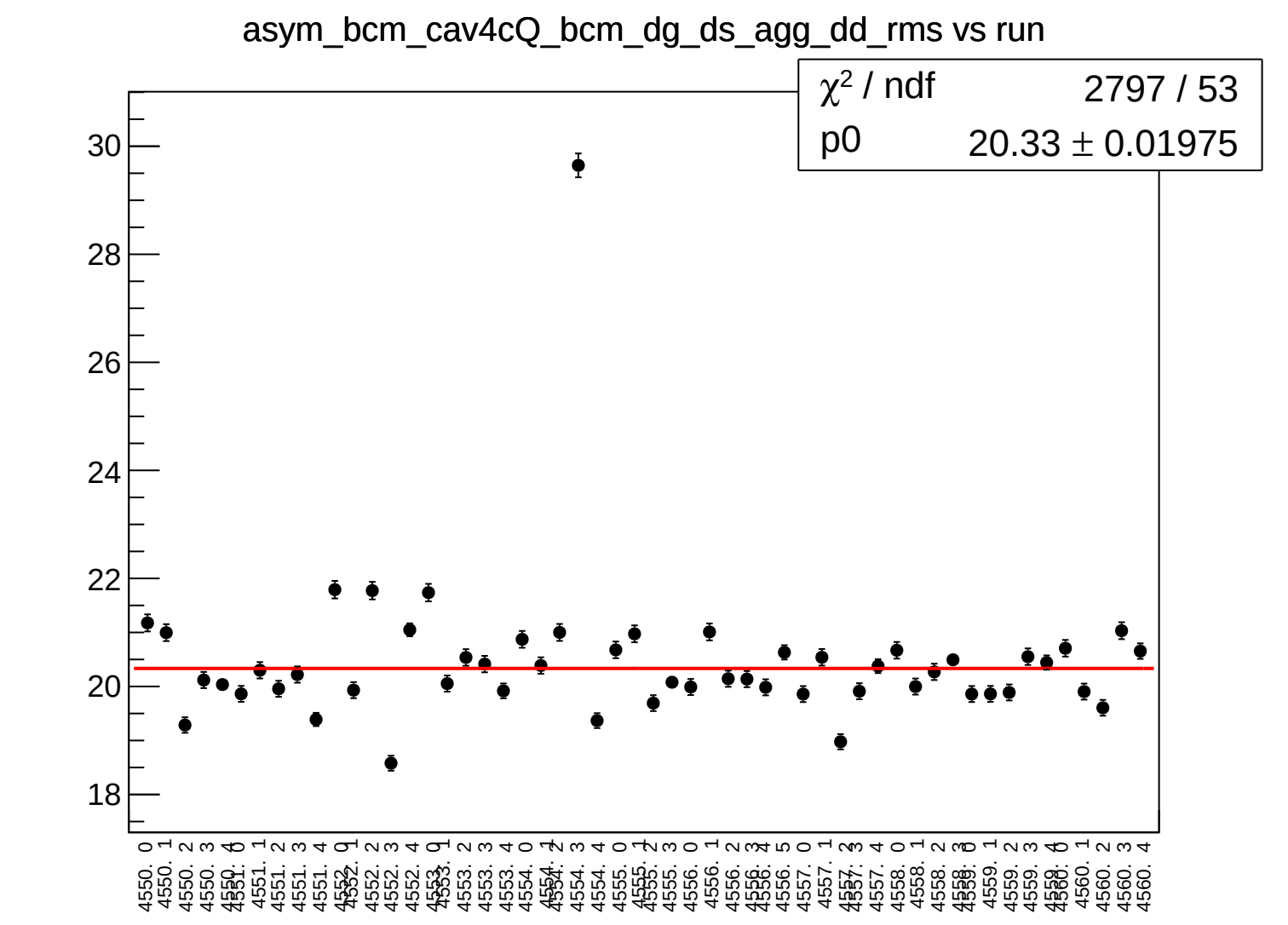
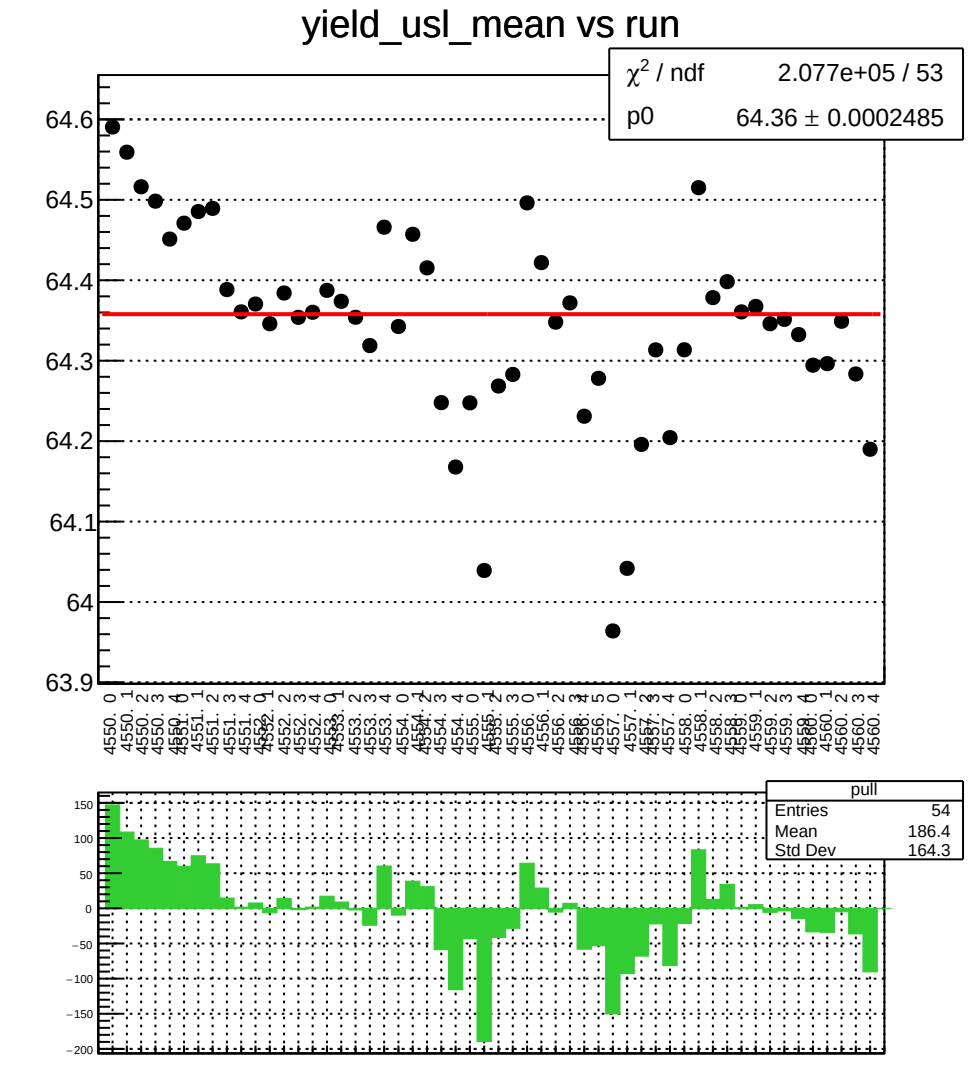
4560. 2
4560. 3
4560. 4

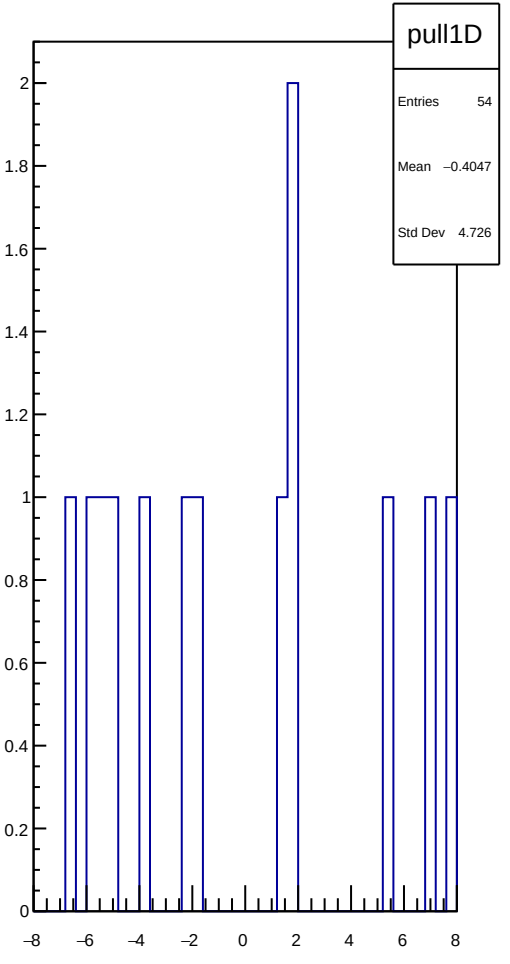

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 4.618 / 53
p0 3.746 ± 232.1
pull
Entries 54
Mean 78.63
Std Dev 47.1
pull1D
Entries 54
Mean 0.004909
Std Dev 0.2924

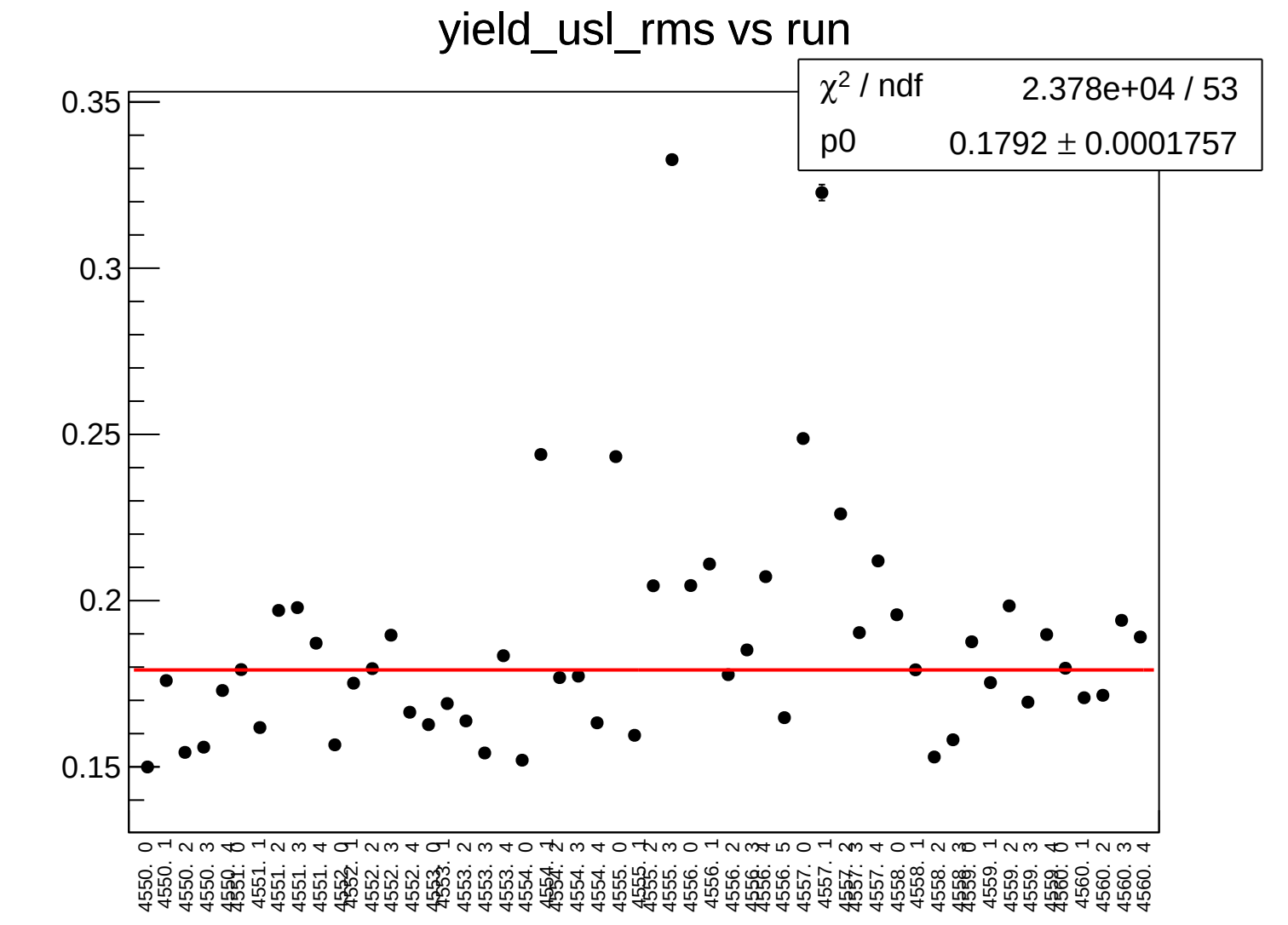

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 4502 / 53
p0 168.8 ± 0.1641
190
185
180
175
170
165
160
155
150

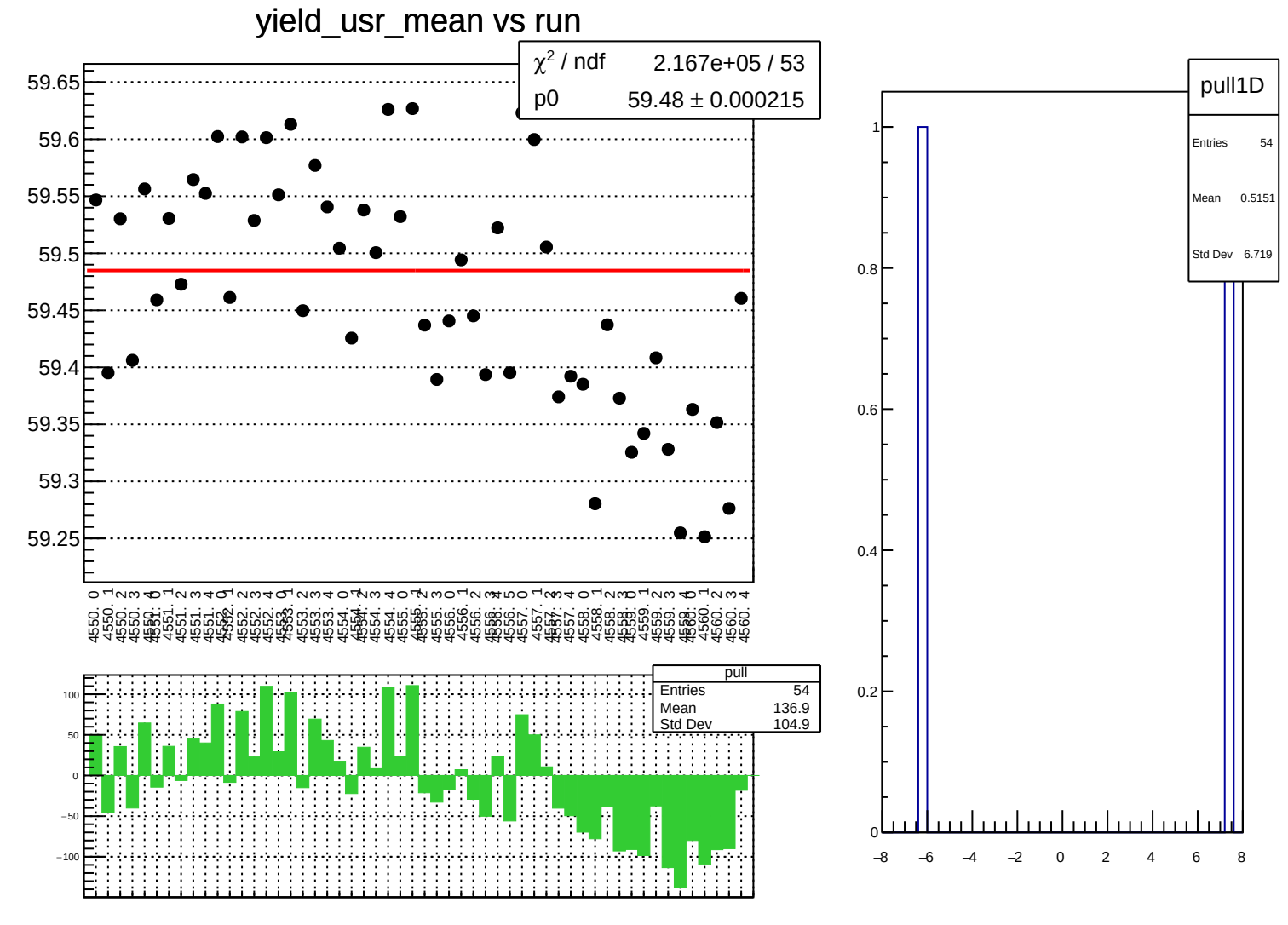

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 48.62 / 53
p0 −3.319 ± 27.93
pull
Entries 54
Mean −316.6
Std Dev 341.3
pull1D
Entries 54
Mean −0.006327
Std Dev 0.9488

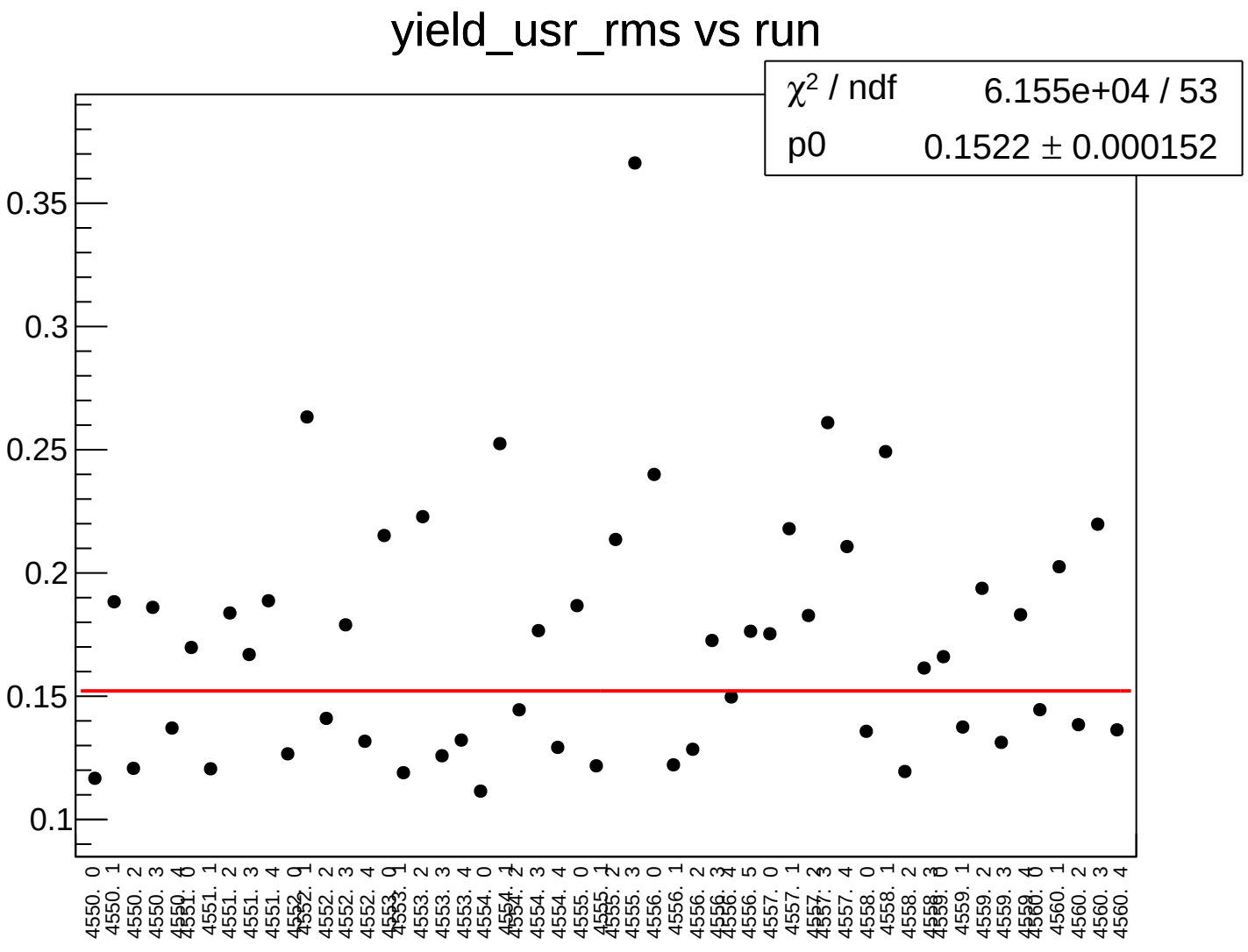

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2797 / 53
p0 20.33 ± 0.01975
30
28
26
24
22
20
18

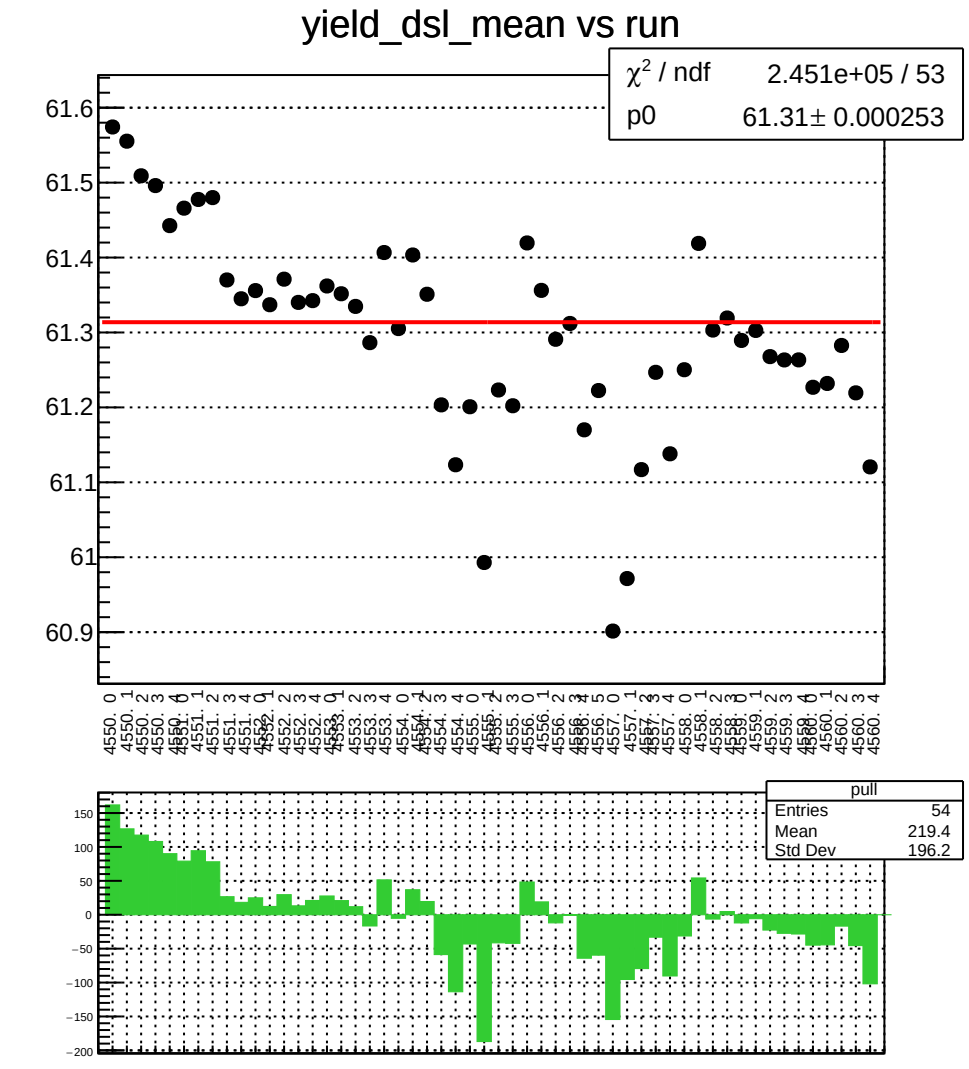

yield_usl_mean vs run
χ² / ndf 2.077e+05 / 53
p0 64.36 ± 0.0002485
64.6
64.5
64.4
64.3
64.2
64.1
64
63.9
pull
Entries 54
Mean 186.4
Std Dev 164.3
150
100
50
0
−50
−100
−150
−200

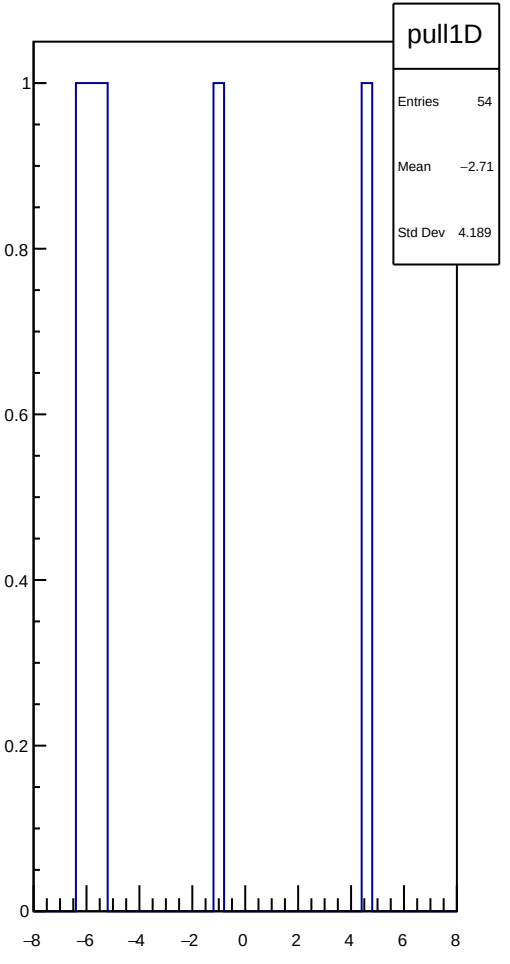

pull1D
Entries 54
Mean −0.4047
Std Dev 4.726
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

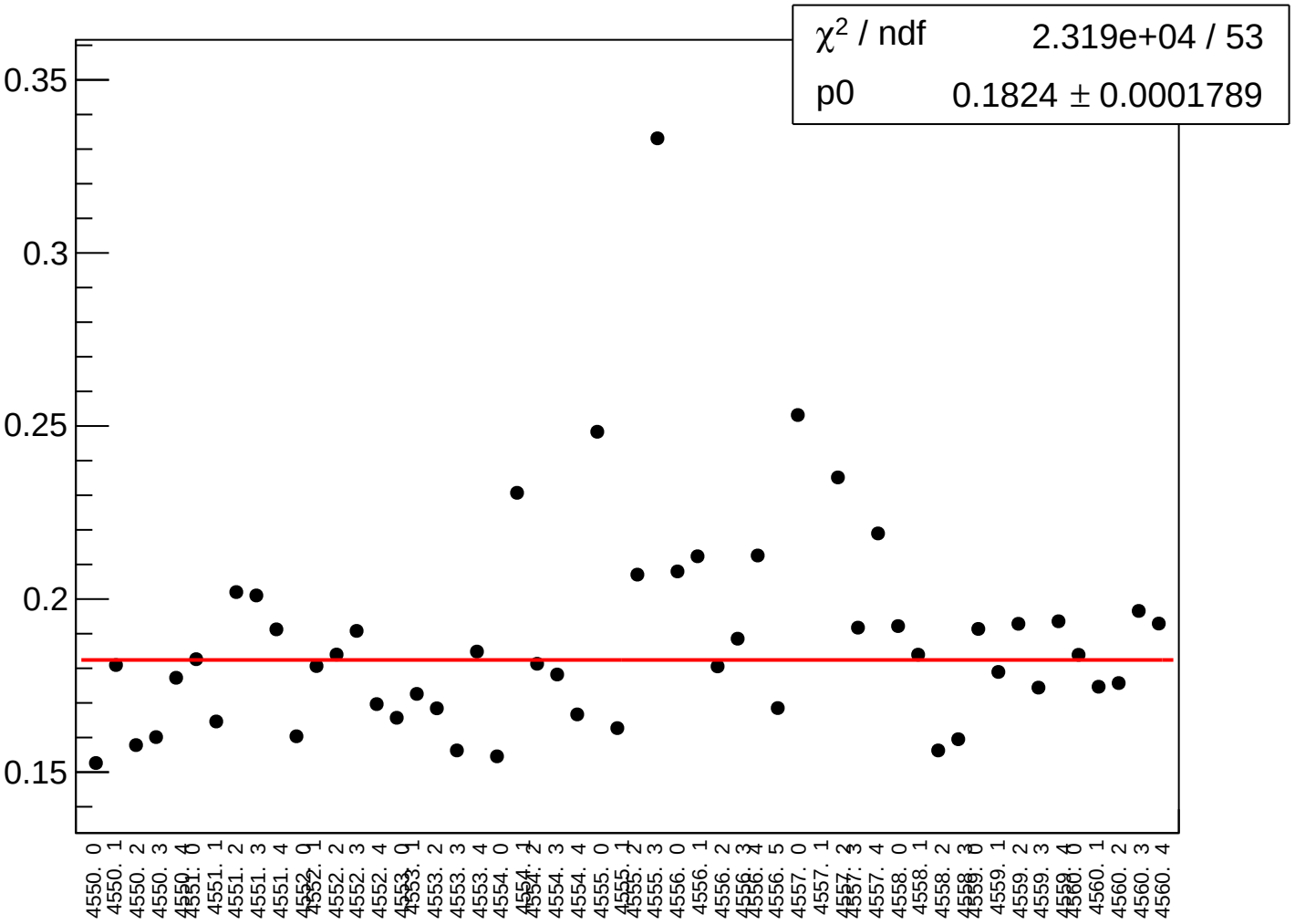

yield_usl_rms vs run
χ² / ndf 2.378e+04 / 53
p0 0.1792 ± 0.0001757
0.35
0.3
0.25
0.2
0.15

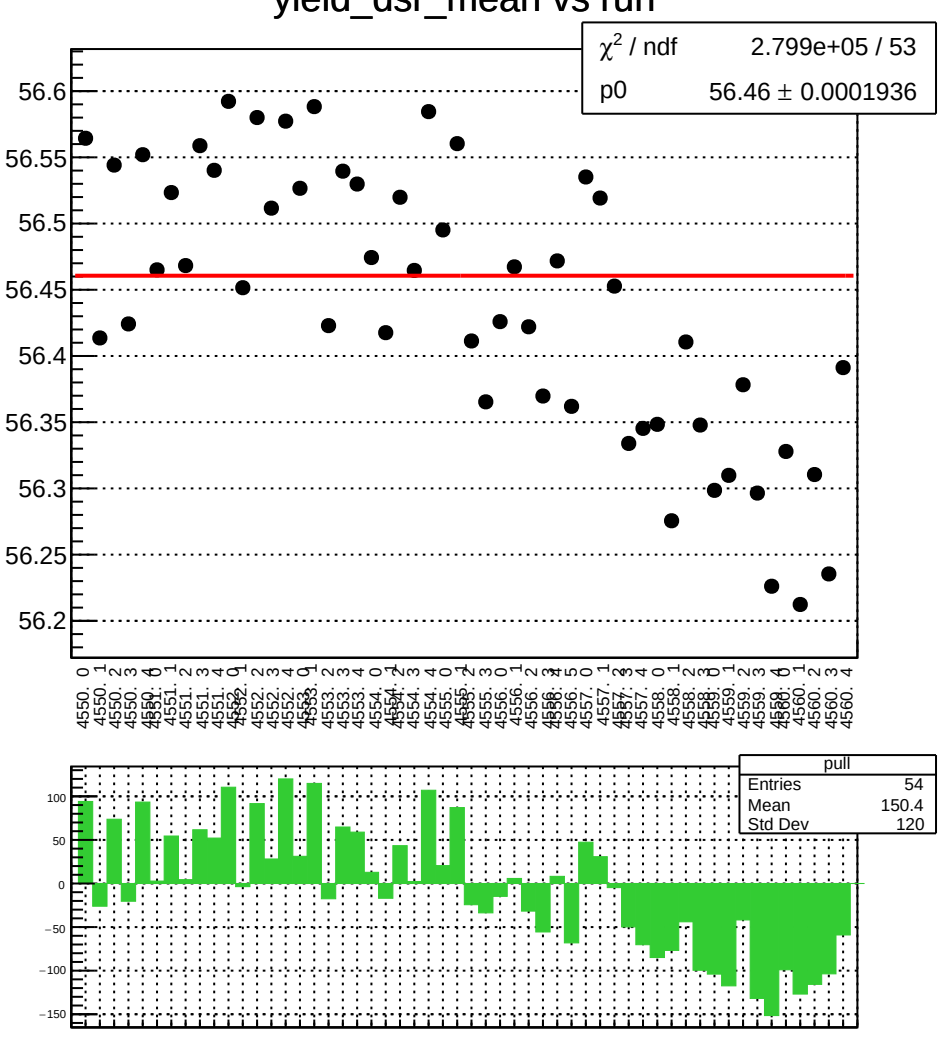

yield_usr_mean vs run
χ² / ndf 2.167e+05 / 53
p0 59.48 ± 0.000215
59.65
59.6
59.55
59.5
59.45
59.4
59.35
59.3
59.25
pull
Entries 54
Mean 136.9
Std Dev 104.9
100
50
0
−50
−100
pull1D
Entries 54
Mean 0.5151
Std Dev 6.719
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

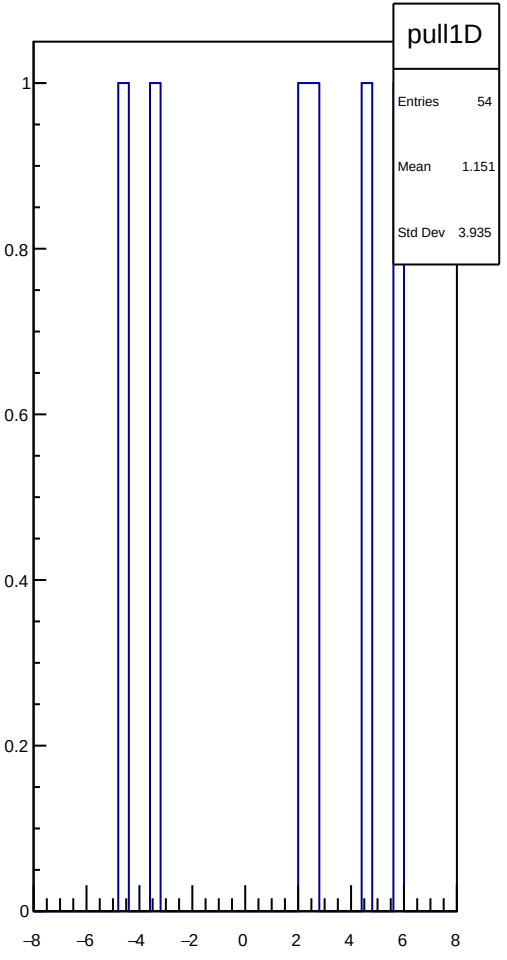

yield_usr_rms vs run
χ² / ndf 6.155e+04 / 53
p0 0.1522 ± 0.000152
0.35
0.3
0.25
0.2
0.15
0.1

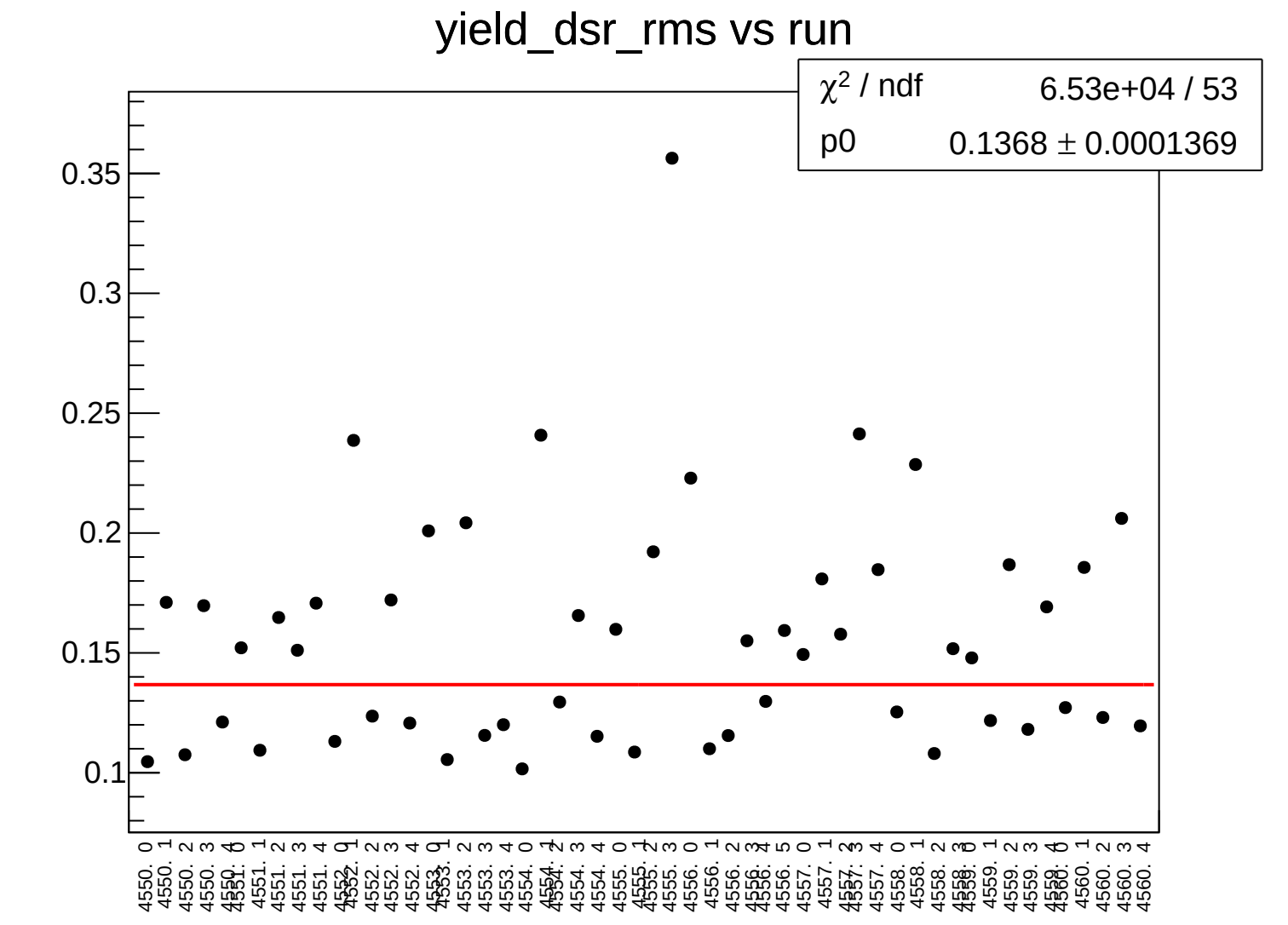

yield_dsl_mean vs run
χ² / ndf 2.451e+05 / 53
p0 61.31± 0.000253
61.6
61.5
61.4
61.3
61.2
61.1
61
60.9
pull
Entries 54
Mean 219.4
Std Dev 196.2
150
100
50
0
−50
−100
−150
−200

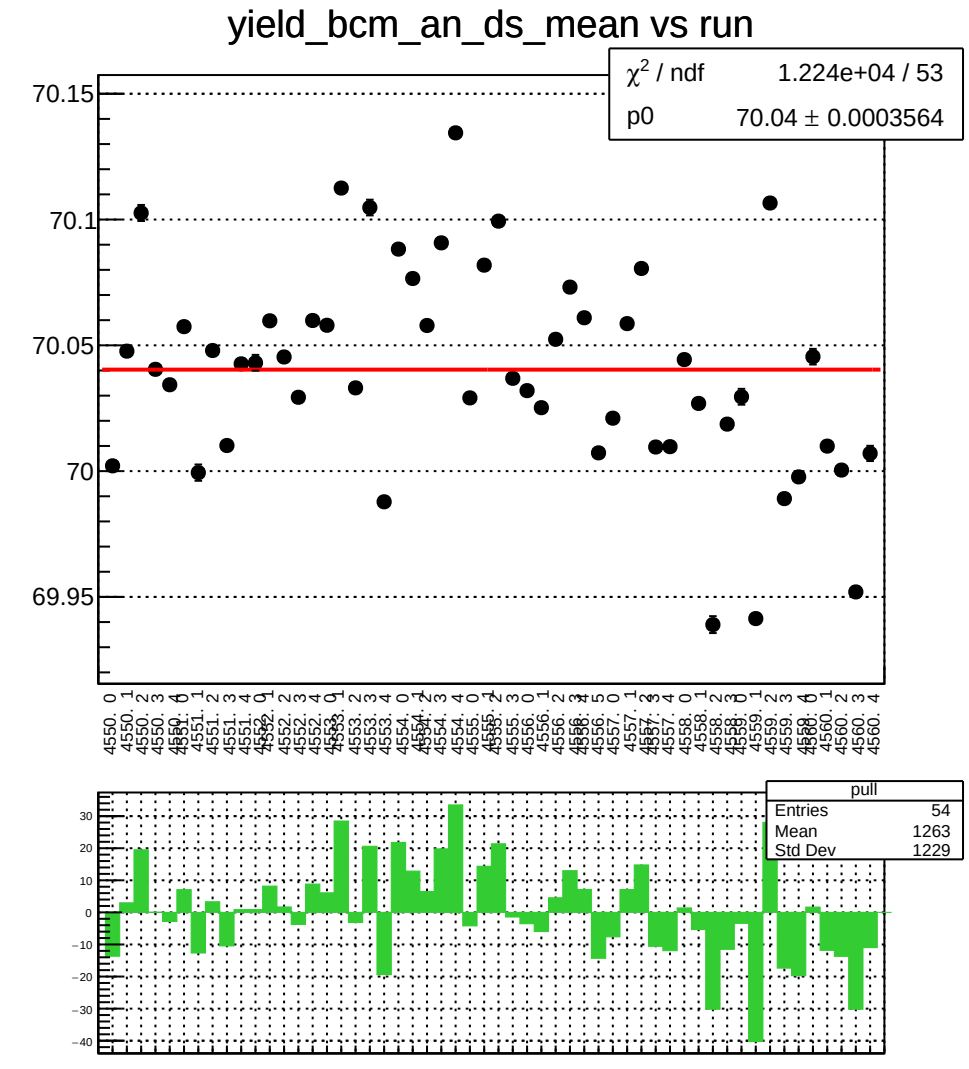

pull1D
Entries 54
Mean −2.71
Std Dev 4.189
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

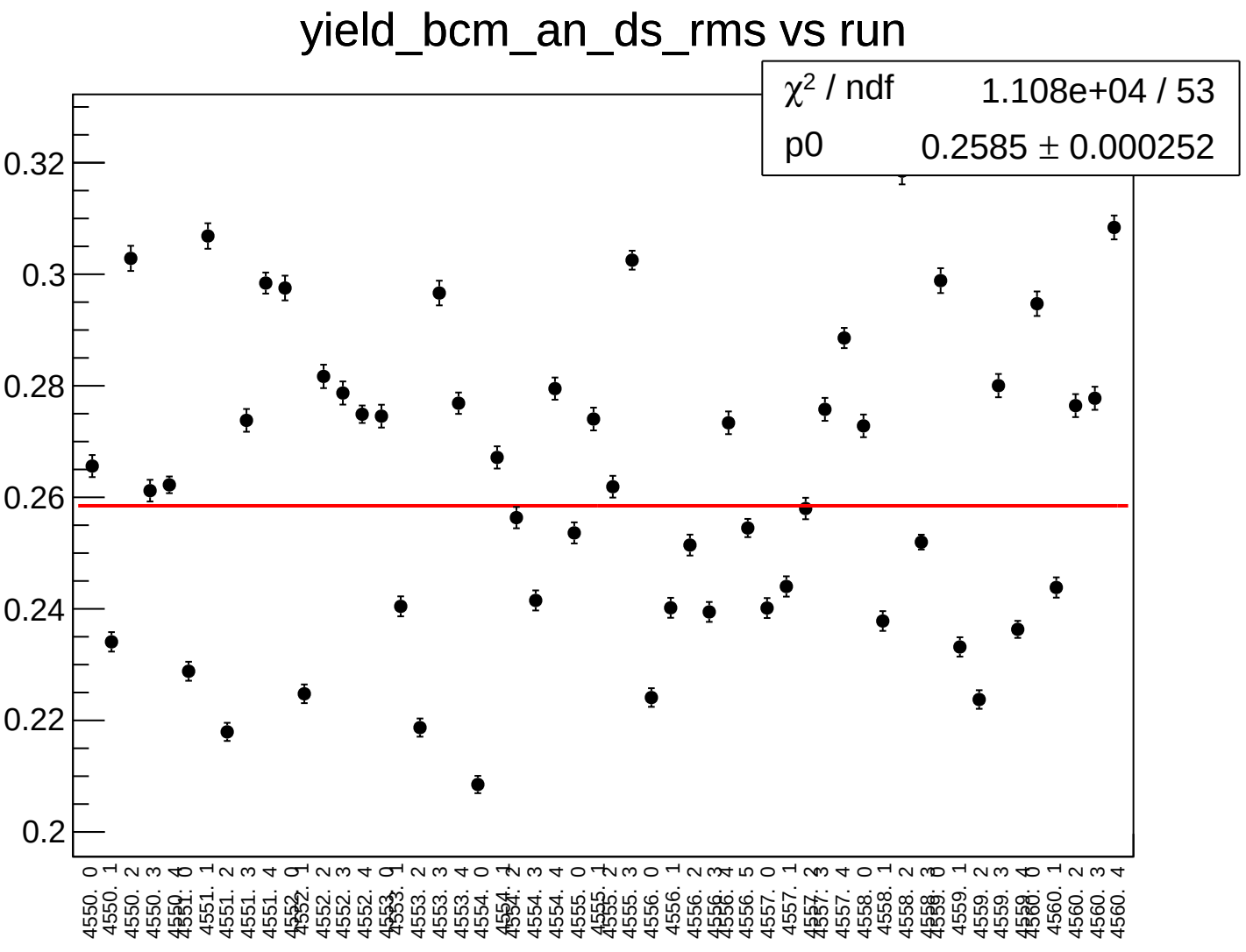

yield_dsl_rms vs run
χ² / ndf 2.319e+04 / 53
p0 0.1824 ± 0.0001789
0.35
0.3
0.25
0.2
0.15

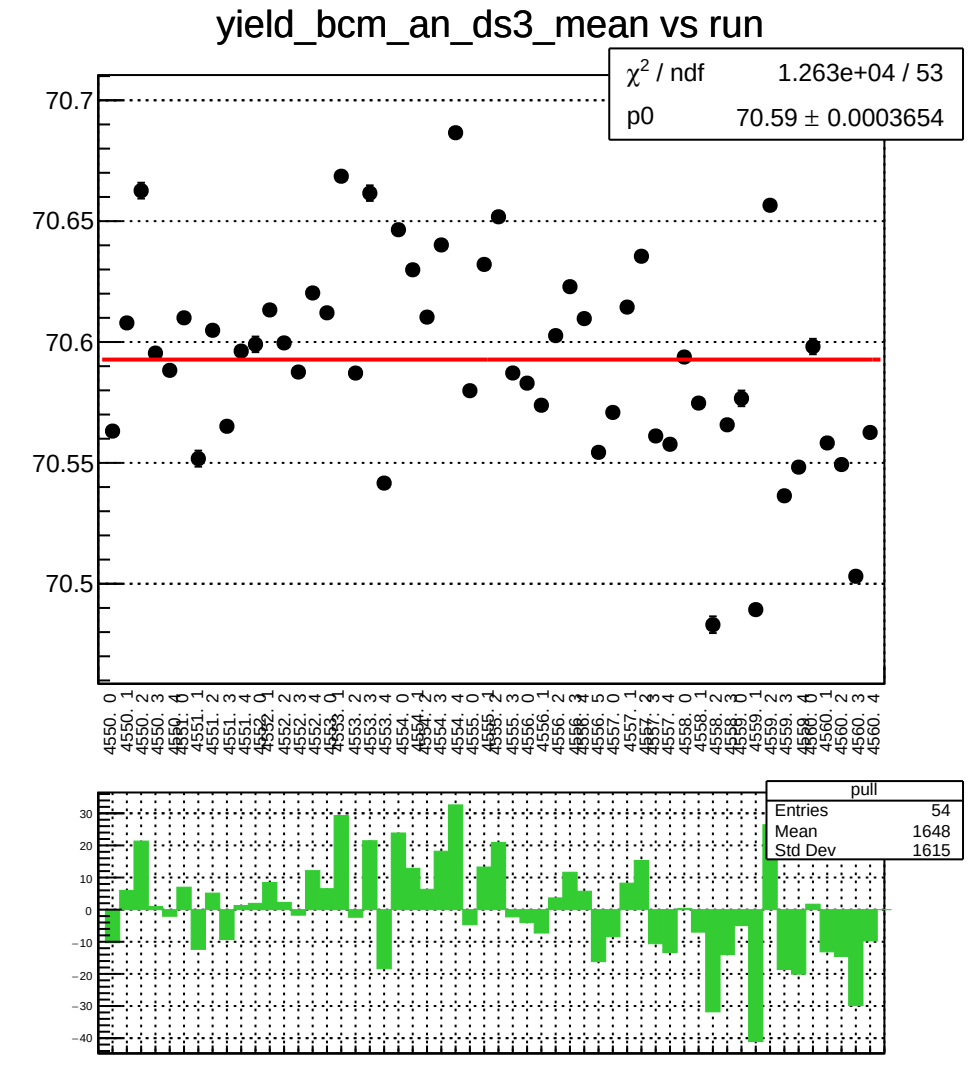

yield_dsr_mean vs run
χ² / ndf 2.799e+05 / 53
p0 56.46 ± 0.0001936
pull
Entries 54
Mean 150.4
Std Dev 120

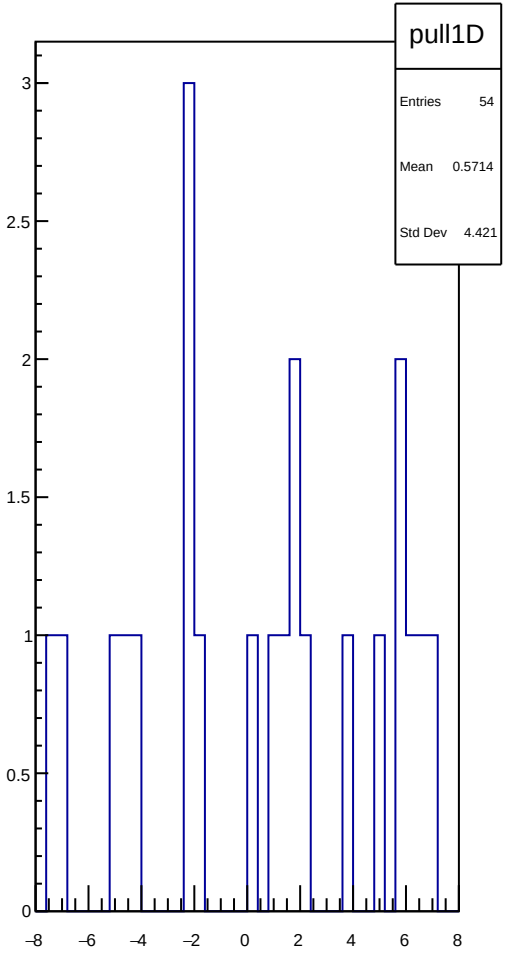

pull1D
Entries 54
Mean 1.151
Std Dev 3.935

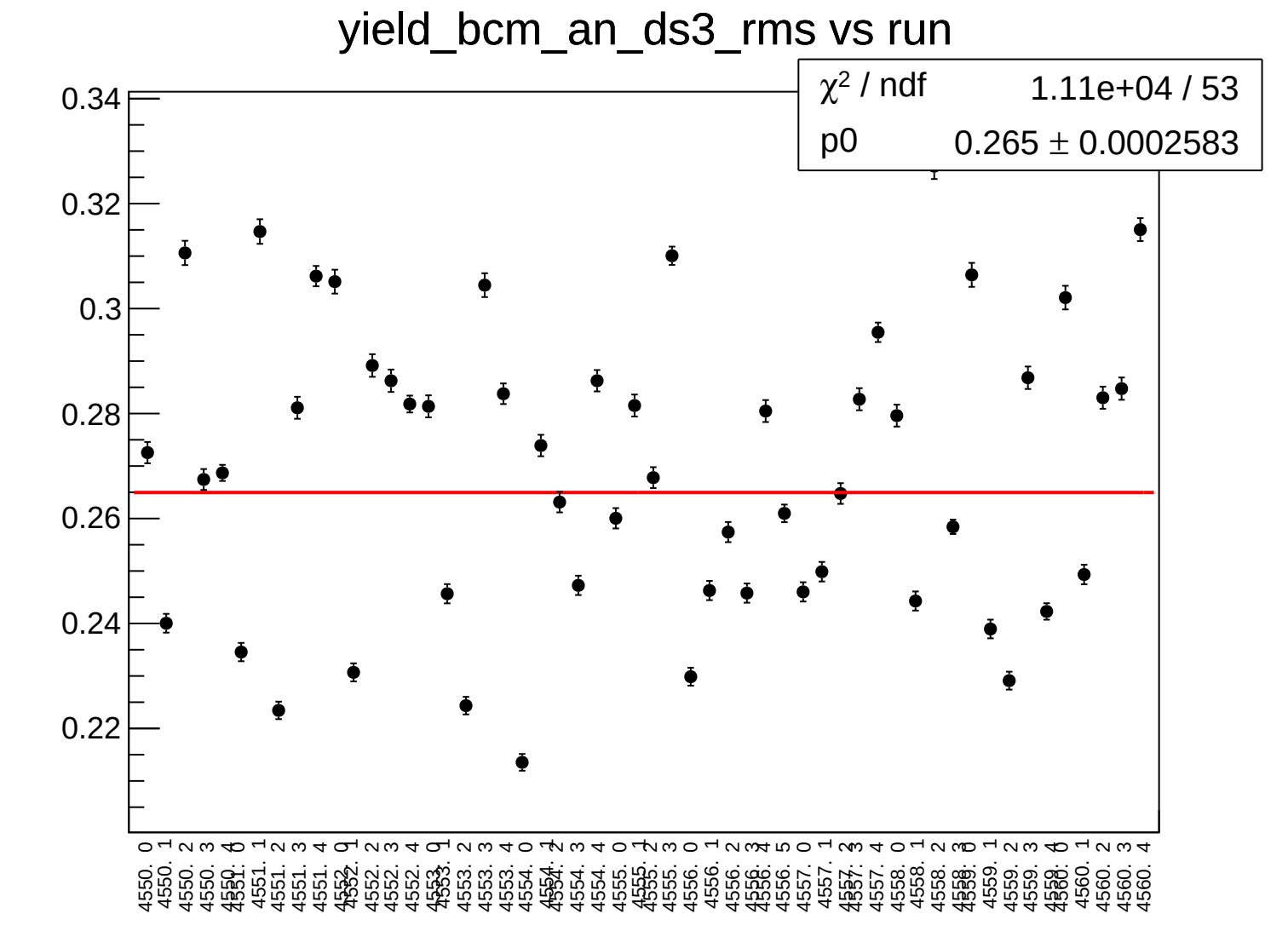

yield_dsr_rms vs run
χ² / ndf 6.53e+04 / 53
p0 0.1368 ± 0.0001369
0.35
0.3
0.25
0.2
0.15
0.1
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


yield_bcm_an_ds_mean vs run
χ² / ndf 1.224e+04 / 53
p0 70.04 ± 0.0003564
70.15
70.1
70.05
70
69.95
pull
Entries 54
Mean 1263
Std Dev 1229
pull1D
Entries 54
Mean 0.4174
Std Dev 4.449


yield_bcm_an_ds_rms vs run
χ² / ndf 1.108e+04 / 53
p0 0.2585 ± 0.000252
0.32
0.3
0.28
0.26
0.24
0.22
0.2


yield_bcm_an_ds3_mean vs run
χ² / ndf 1.263e+04 / 53
p0 70.59 ± 0.0003654
70.7
70.65
70.6
70.55
70.5
pull
Entries 54
Mean 1648
Std Dev 1615
30
20
10
0
−10
−20
−30
−40


pull1D
Entries 54
Mean 0.5714
Std Dev 4.421
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_an_ds3_rms vs run
χ² / ndf 1.11e+04 / 53
p0 0.265 ± 0.0002583
0.34
0.32
0.3
0.28
0.26
0.24
0.22
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
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4555. 2
4555. 3
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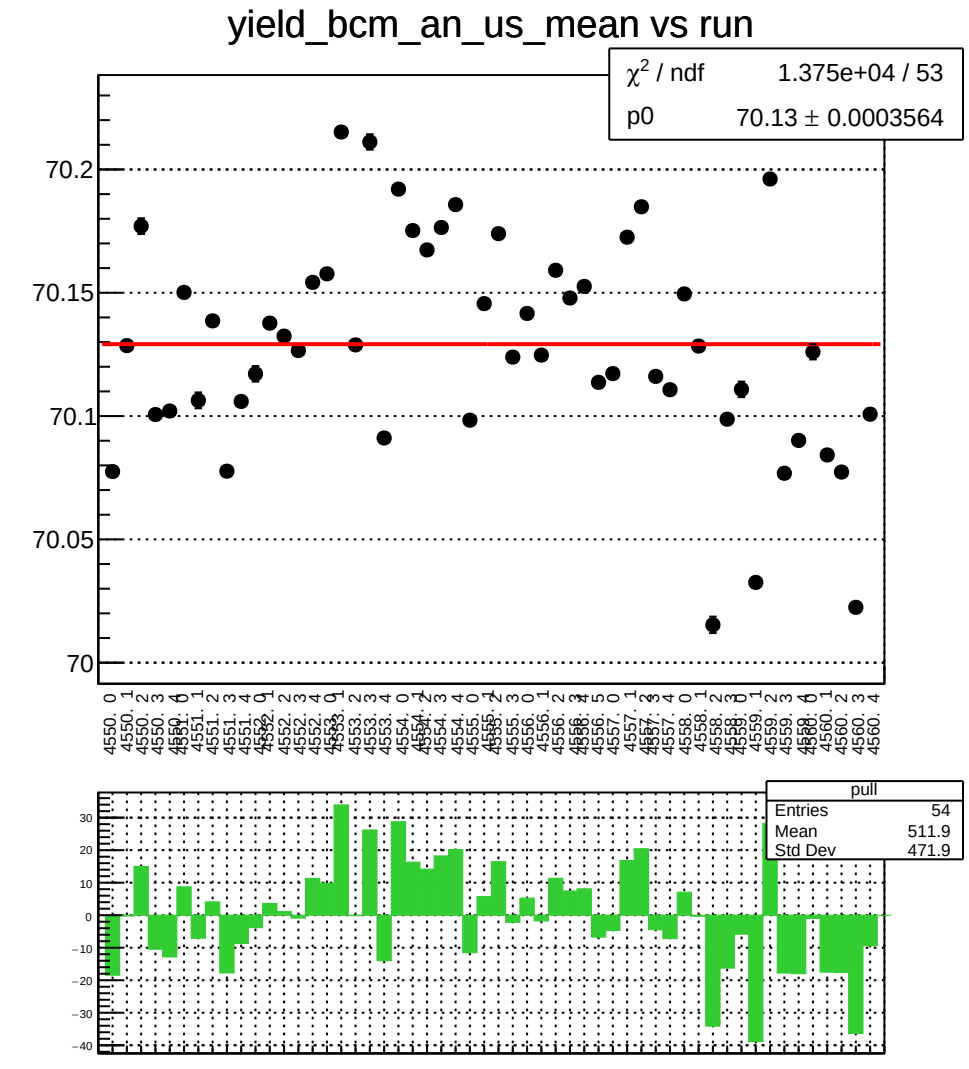
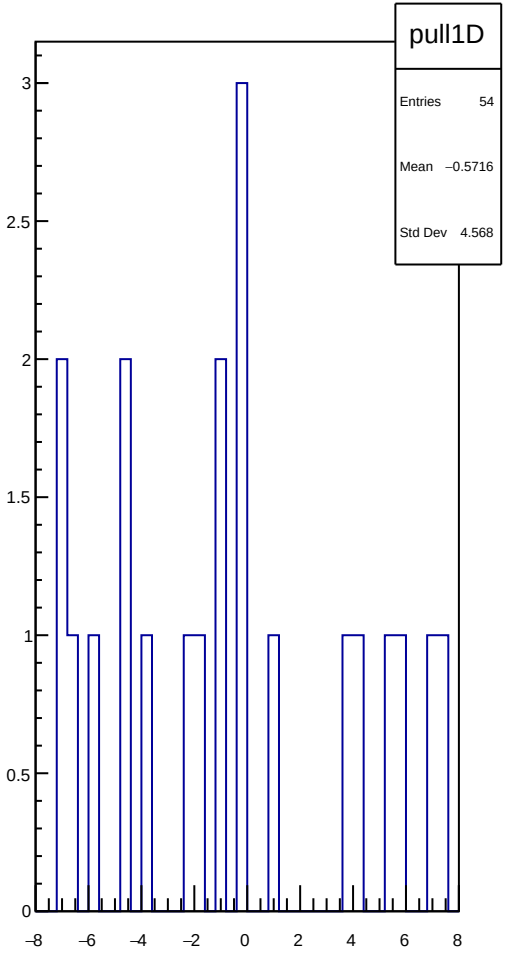
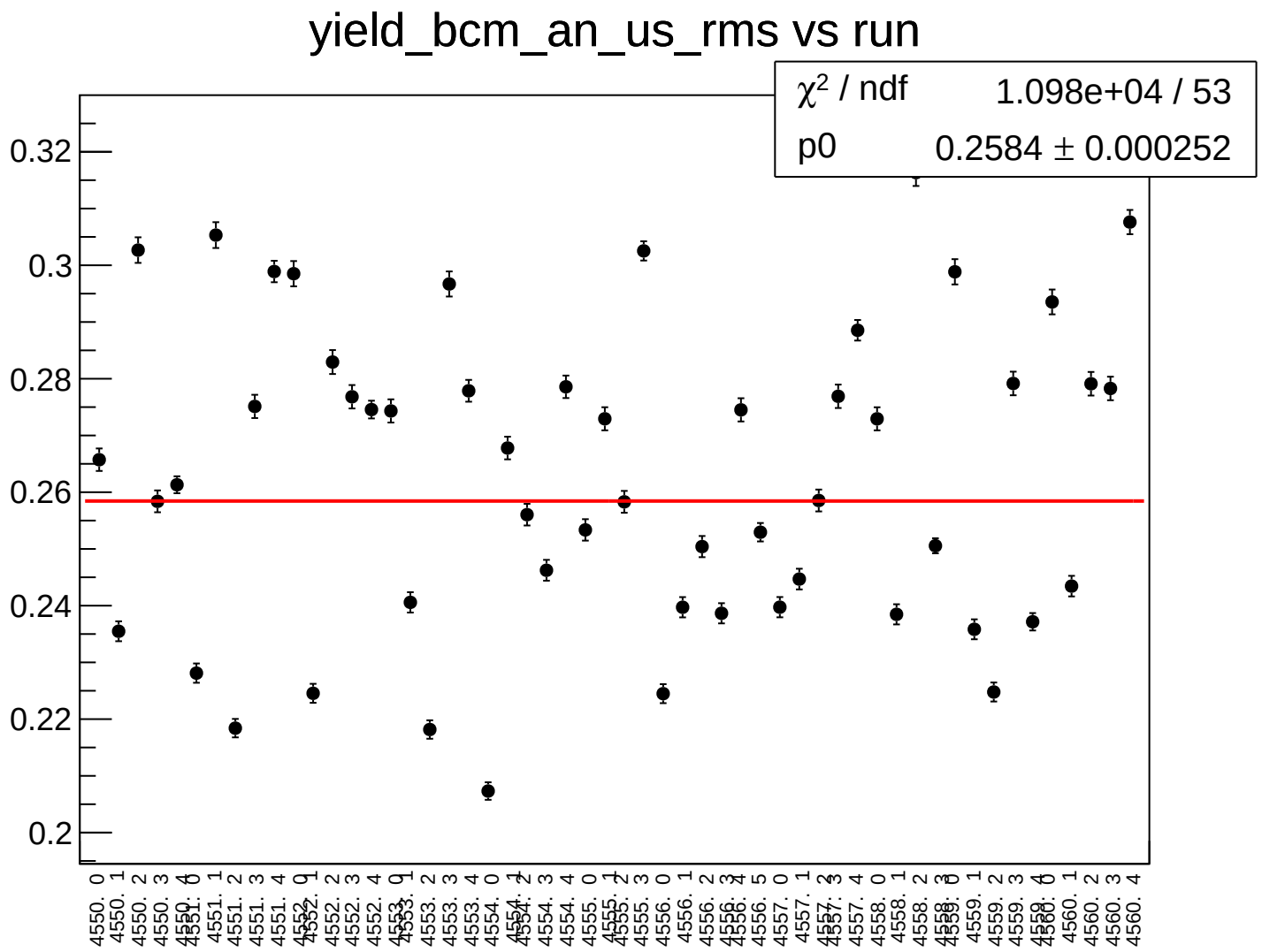
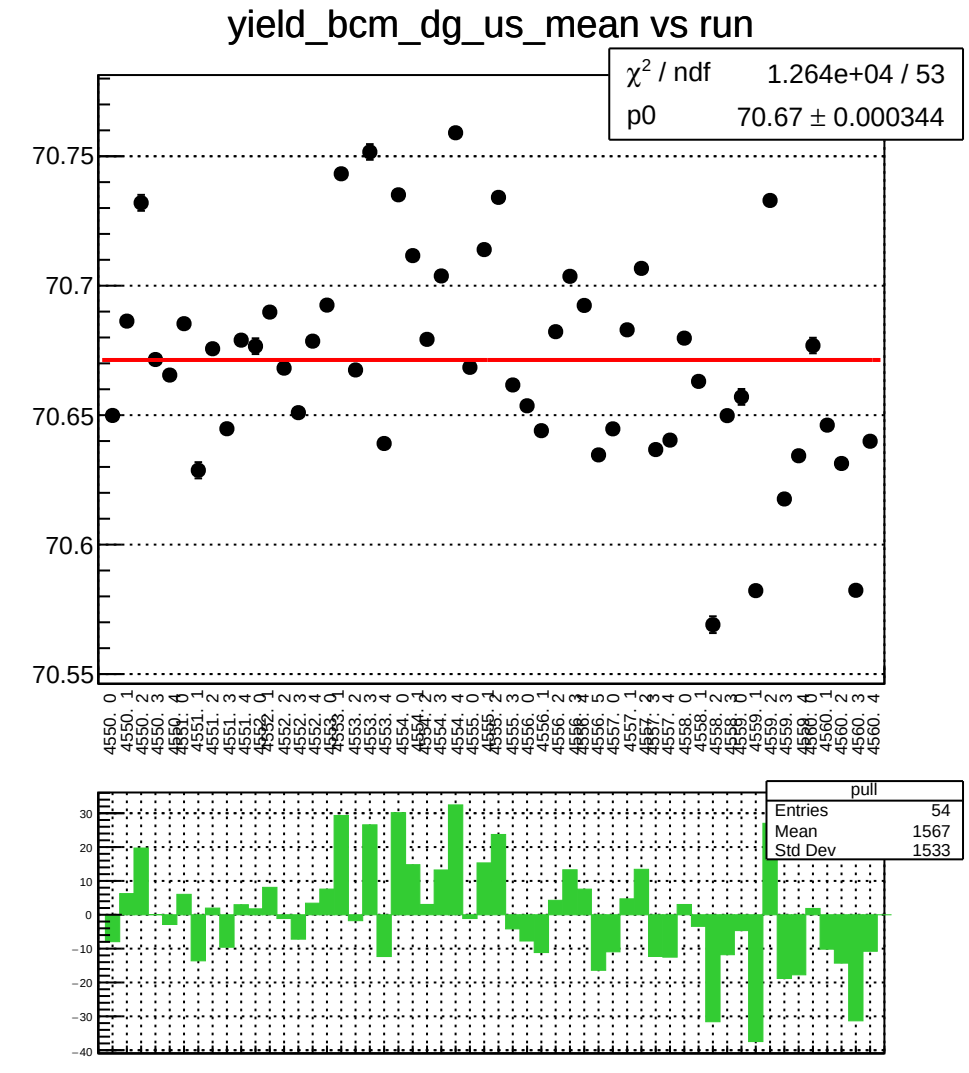
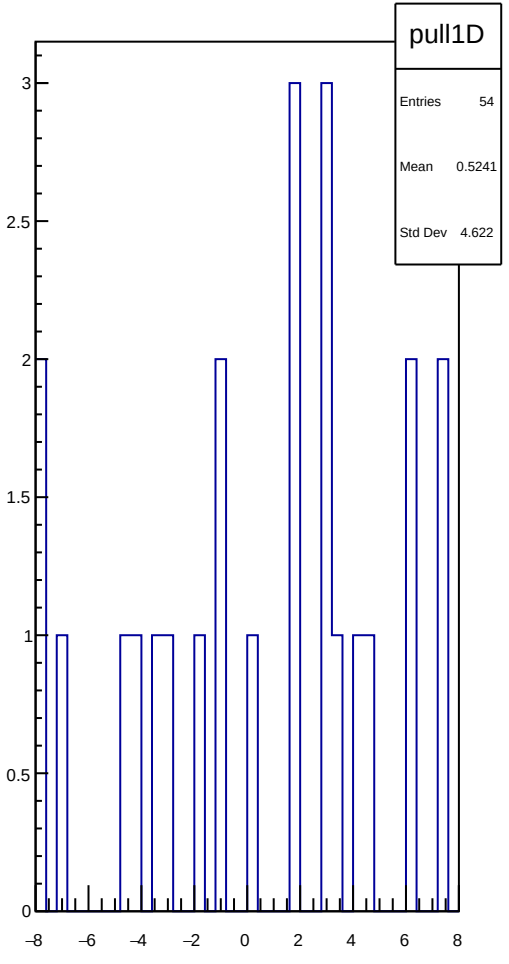
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

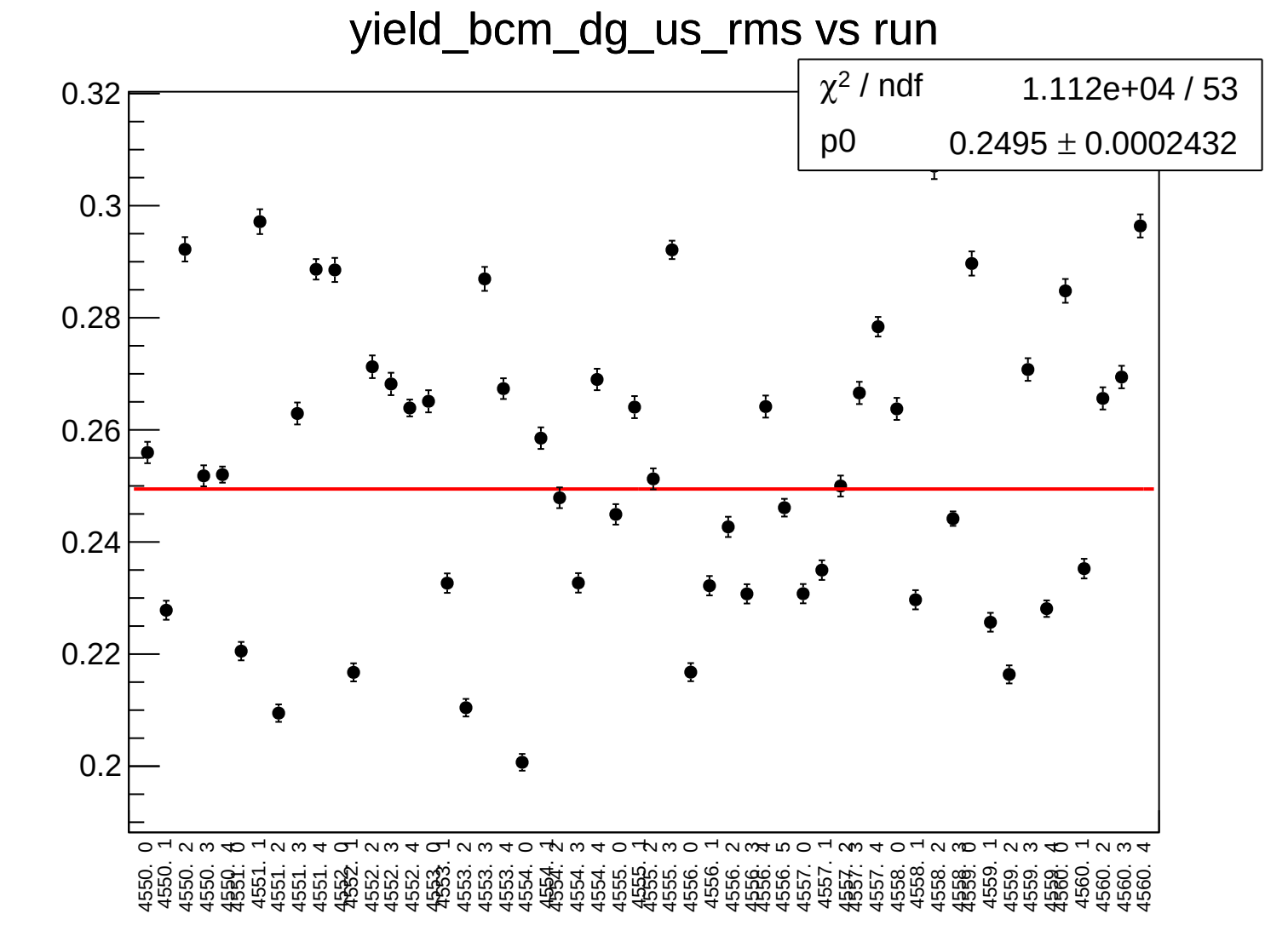

yield_bcm_an_us_mean vs run
χ² / ndf 1.375e+04 / 53
p0 70.13 ± 0.0003564
70.2
70.15
70.1
70.05
70
pull
Entries 54
Mean 511.9
Std Dev 471.9
30
20
10
0
−10
−20
−30
−40

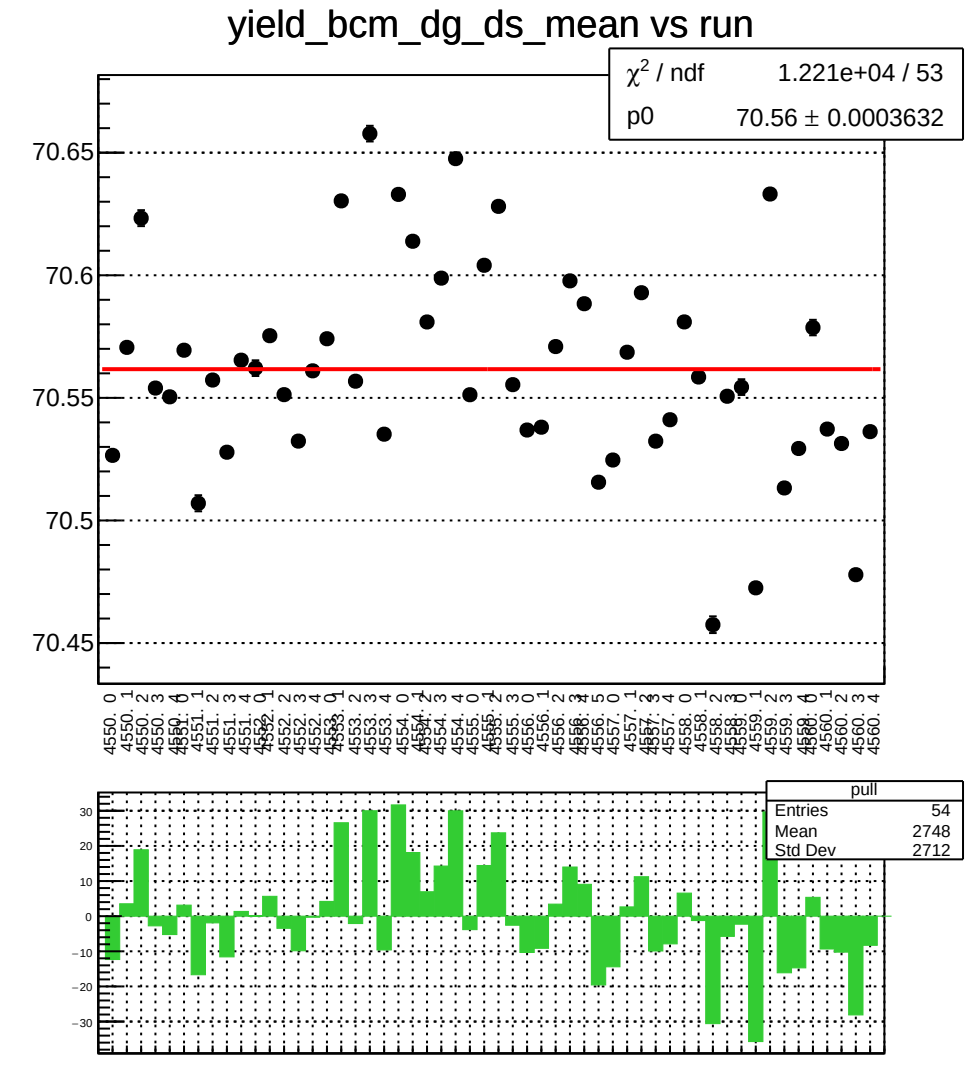

pull1D
Entries 54
Mean −0.5716
Std Dev 4.568
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

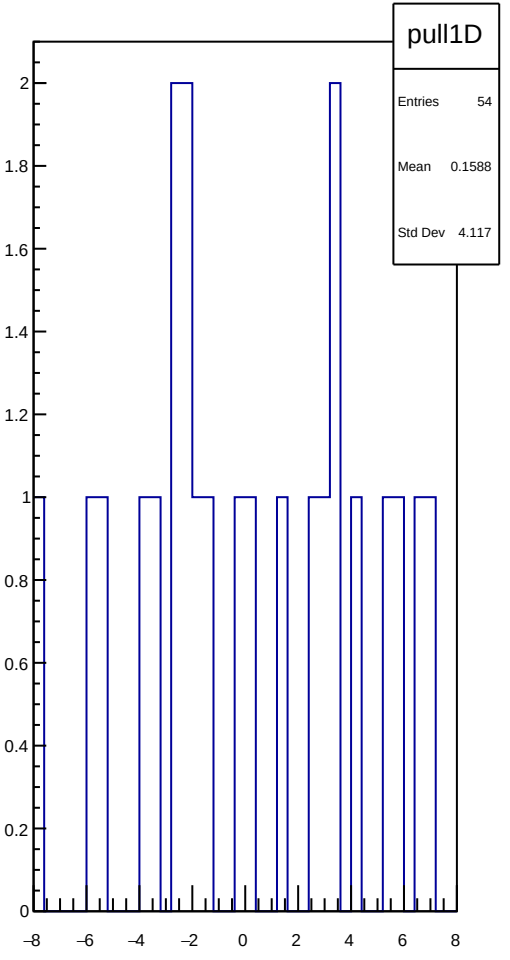

yield_bcm_an_us_rms vs run
χ² / ndf 1.098e+04 / 53
p0 0.2584 ± 0.000252
0.32
0.3
0.28
0.26
0.24
0.22
0.2

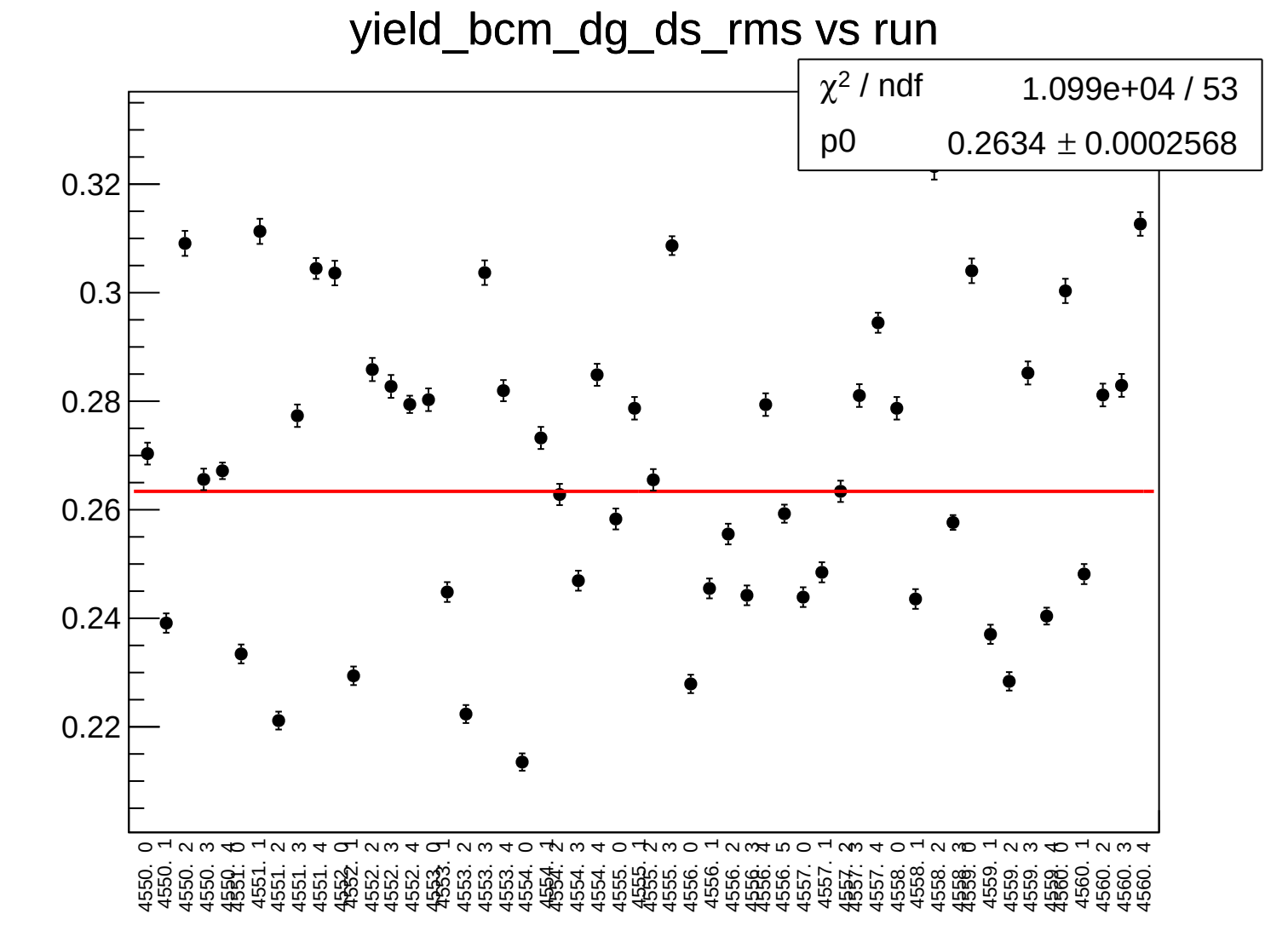

yield_bcm_dg_us_mean vs run
χ² / ndf 1.264e+04 / 53
p0 70.67 ± 0.000344
70.75
70.7
70.65
70.6
70.55
pull
Entries 54
Mean 1567
Std Dev 1533
30
20
10
0
−10
−20
−30
−40


pull1D
Entries 54
Mean 0.5241
Std Dev 4.622
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_dg_us_rms vs run
χ² / ndf 1.112e+04 / 53
p0 0.2495 ± 0.0002432
0.32
0.3
0.28
0.26
0.24
0.22
0.2


yield_bcm_dg_ds_mean vs run
χ² / ndf 1.221e+04 / 53
p0 70.56 ± 0.0003632
70.65
70.6
70.55
70.5
70.45
pull
Entries 54
Mean 2748
Std Dev 2712
30
20
10
0
−10
−20
−30


pull1D
Entries 54
Mean 0.1588
Std Dev 4.117
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_dg_ds_rms vs run
χ² / ndf 1.099e+04 / 53
p0 0.2634 ± 0.0002568
0.32
0.3
0.28
0.26
0.24
0.22
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
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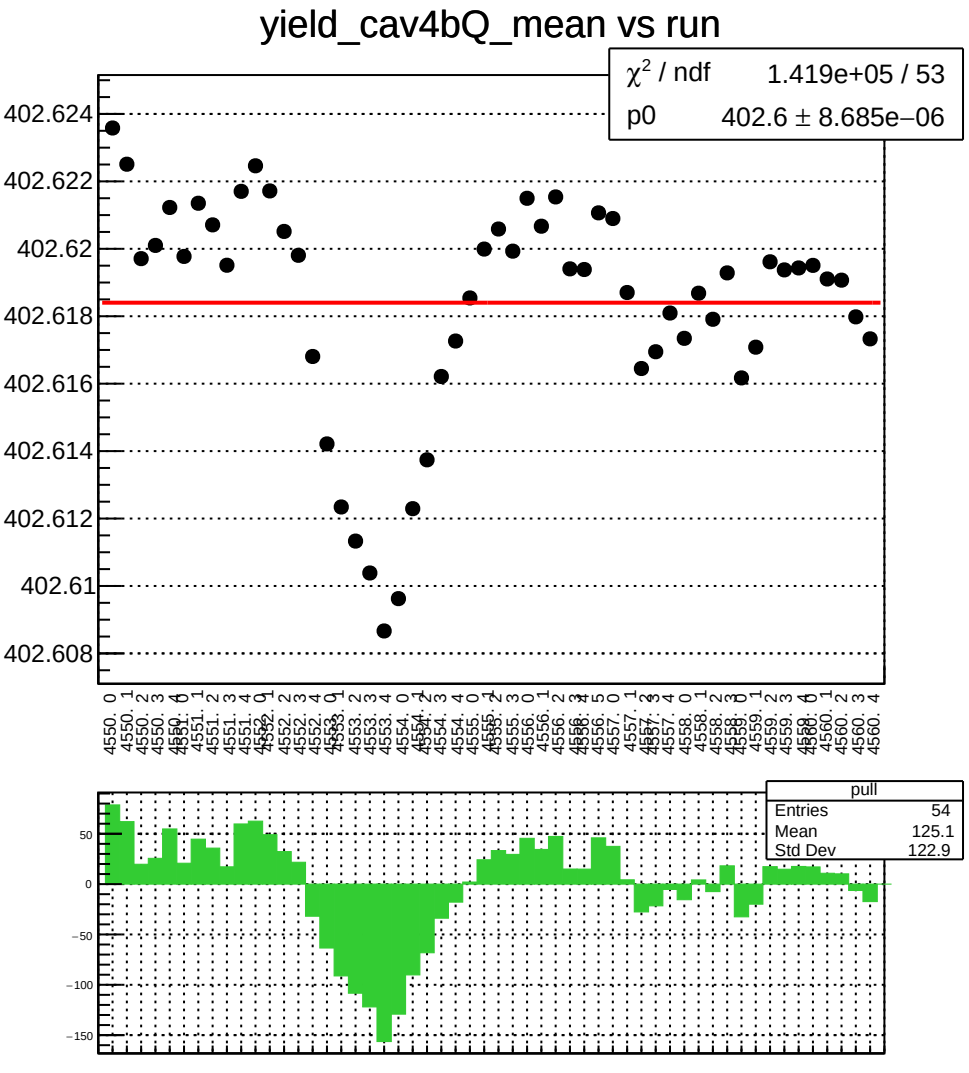
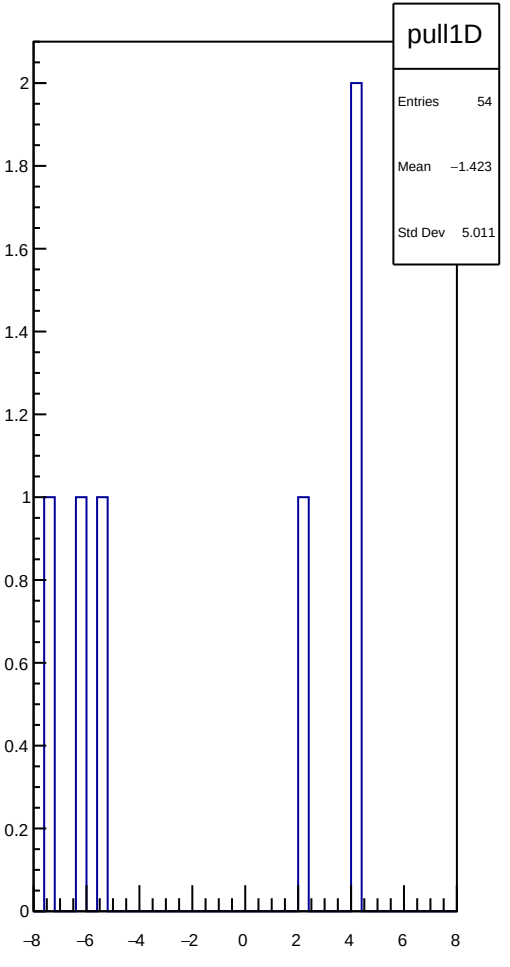
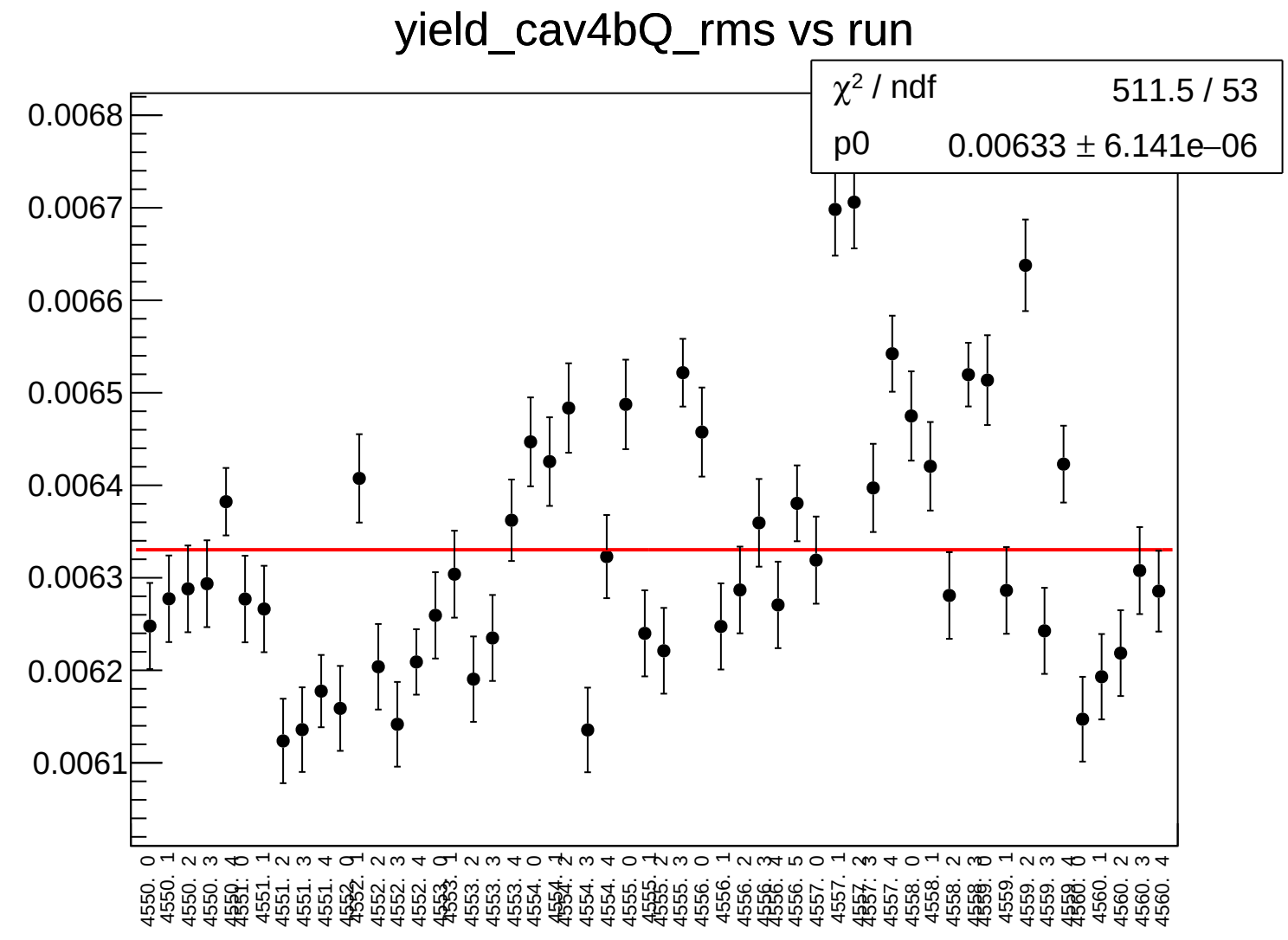
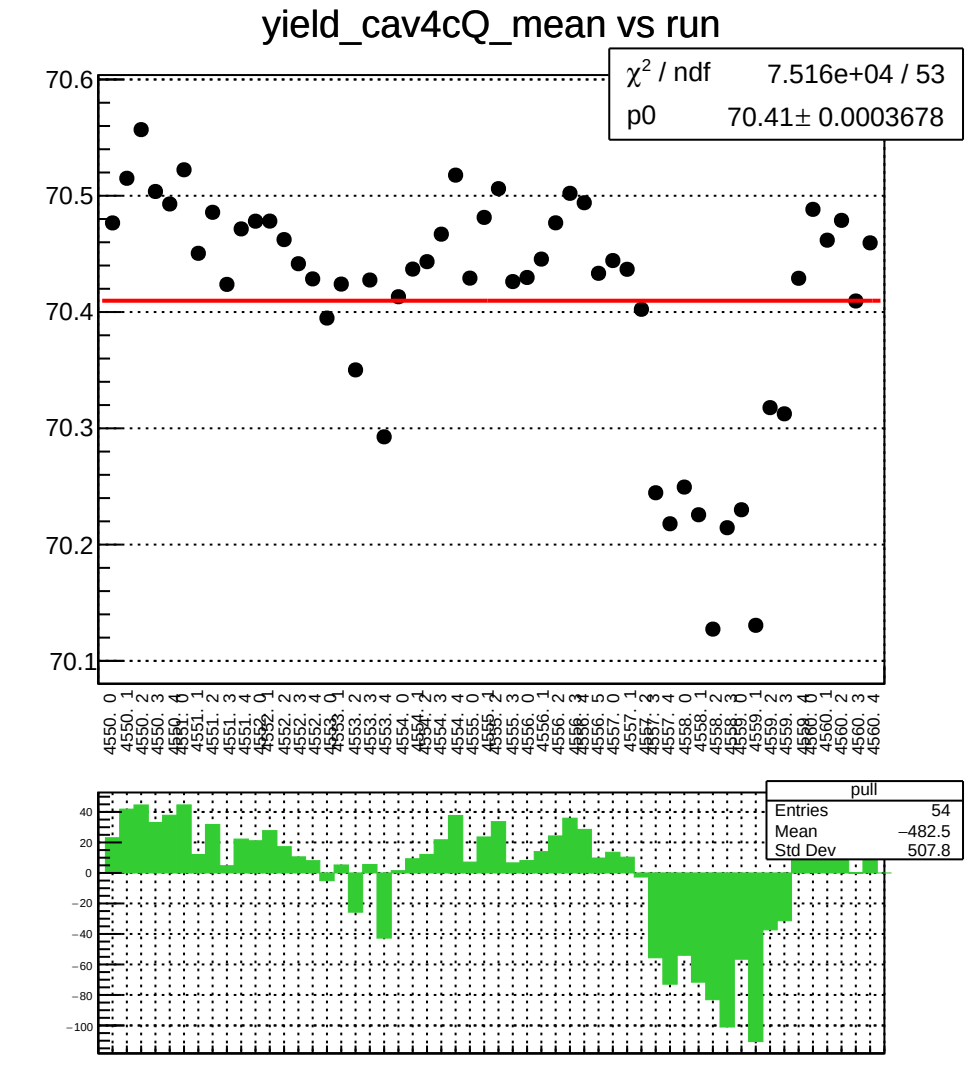
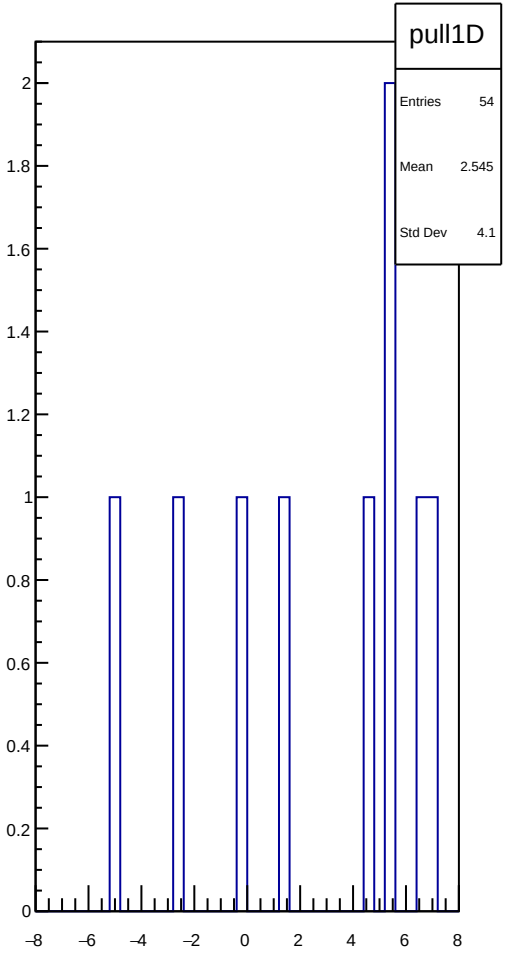
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

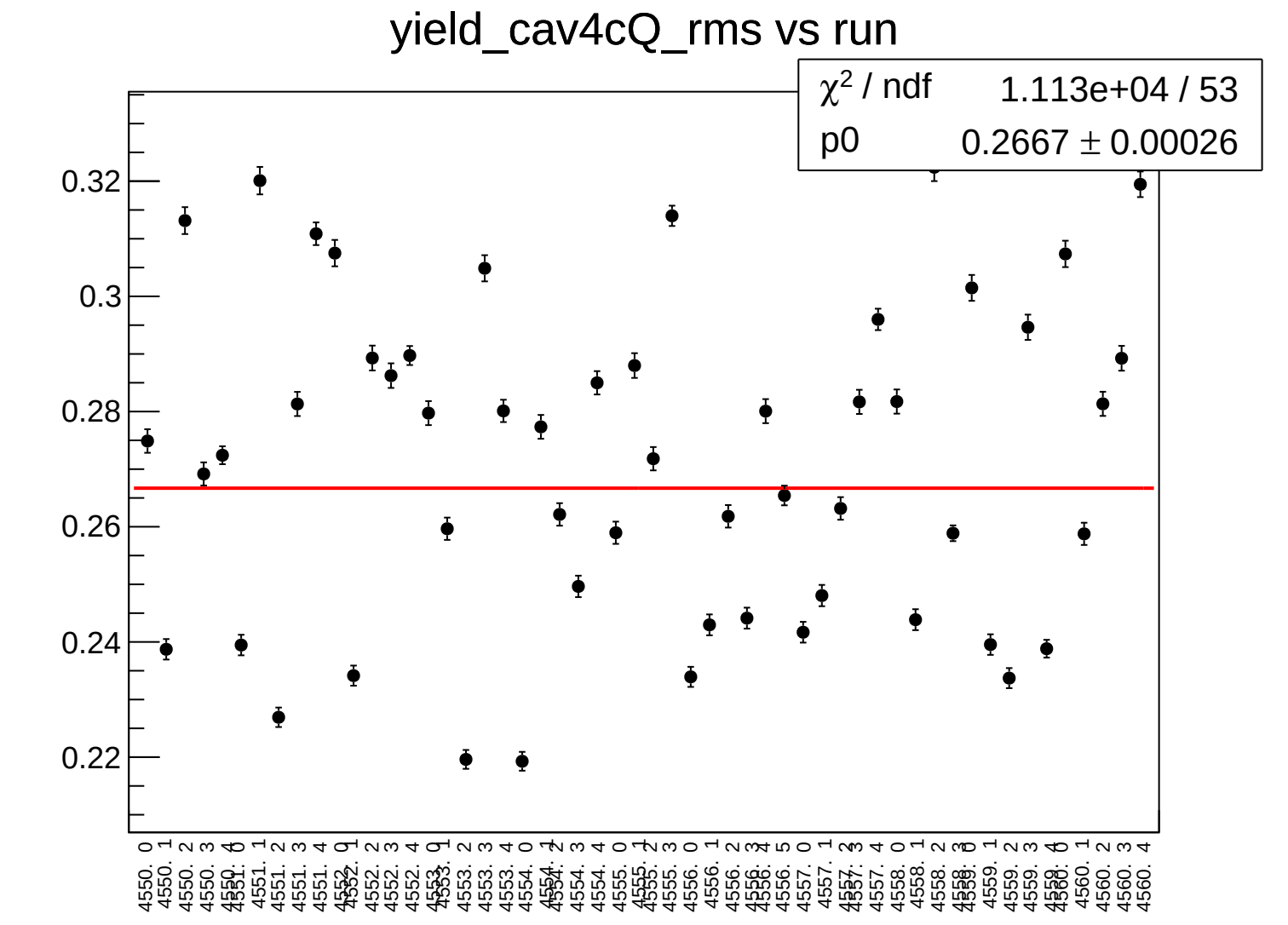

yield_cav4bQ_mean vs run
χ² / ndf 1.419e+05 / 53
p0 402.6 ± 8.685e−06
402.624
402.622
402.62
402.618
402.616
402.614
402.612
402.61
402.608
pull
Entries 54
Mean 125.1
Std Dev 122.9
50
0
−50
−100
−150

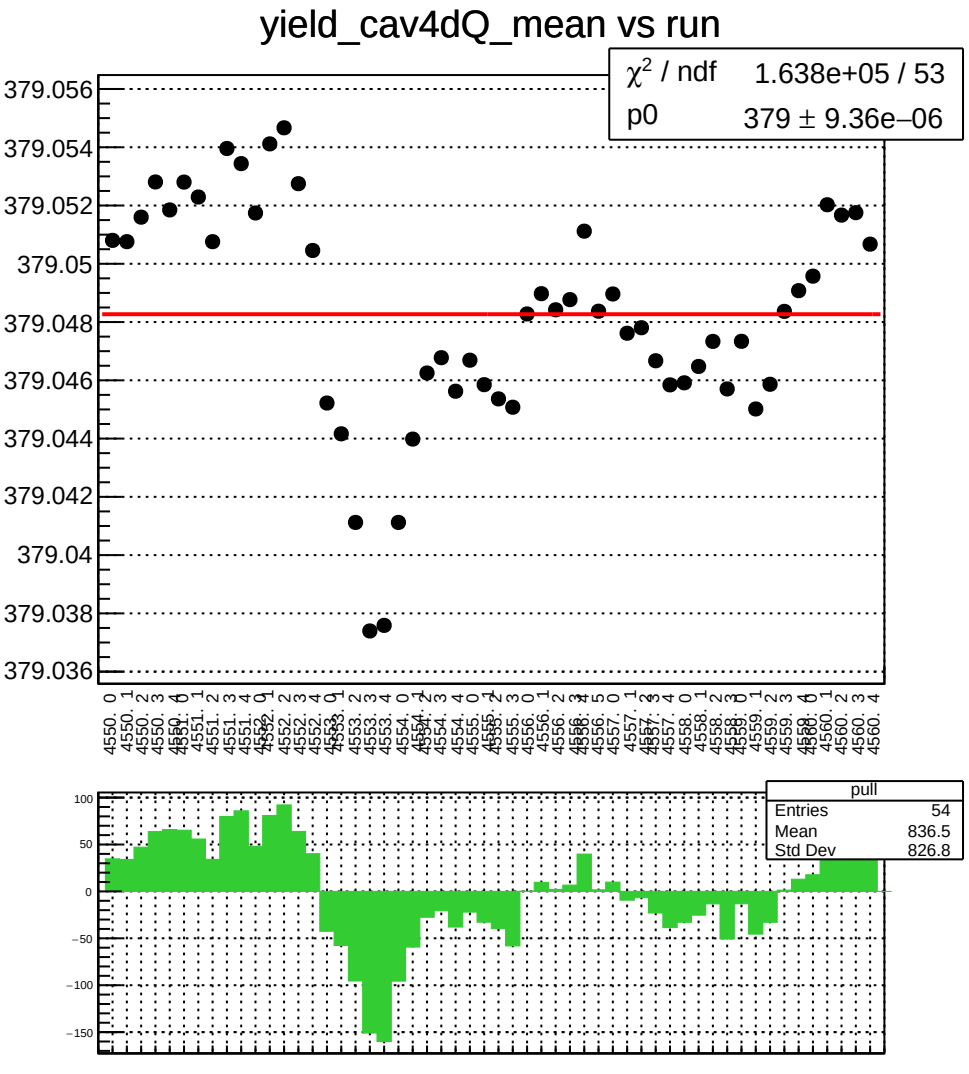

pull1D
Entries 54
Mean −1.423
Std Dev 5.011
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

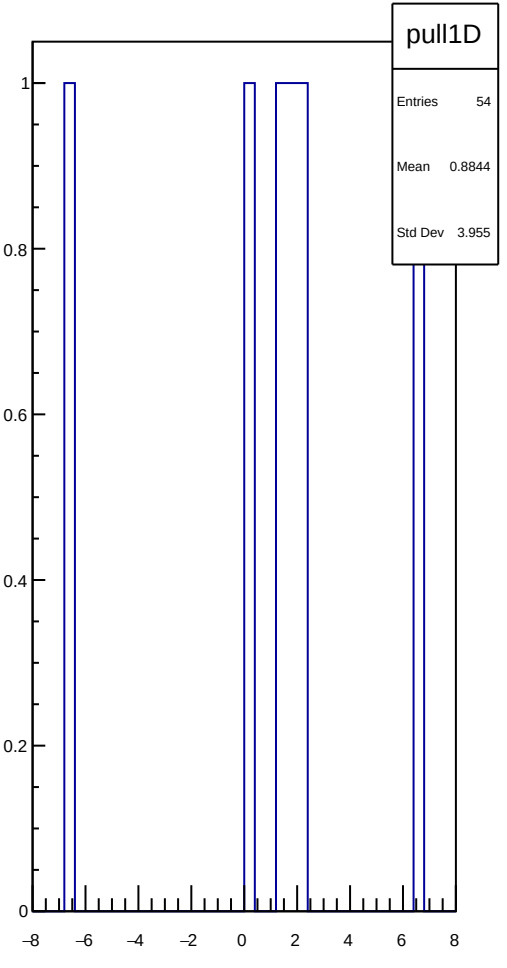

yield_cav4bQ_rms vs run
χ² / ndf 511.5 / 53
p0 0.00633 ± 6.141e–06
0.0068
0.0067
0.0066
0.0065
0.0064
0.0063
0.0062
0.0061

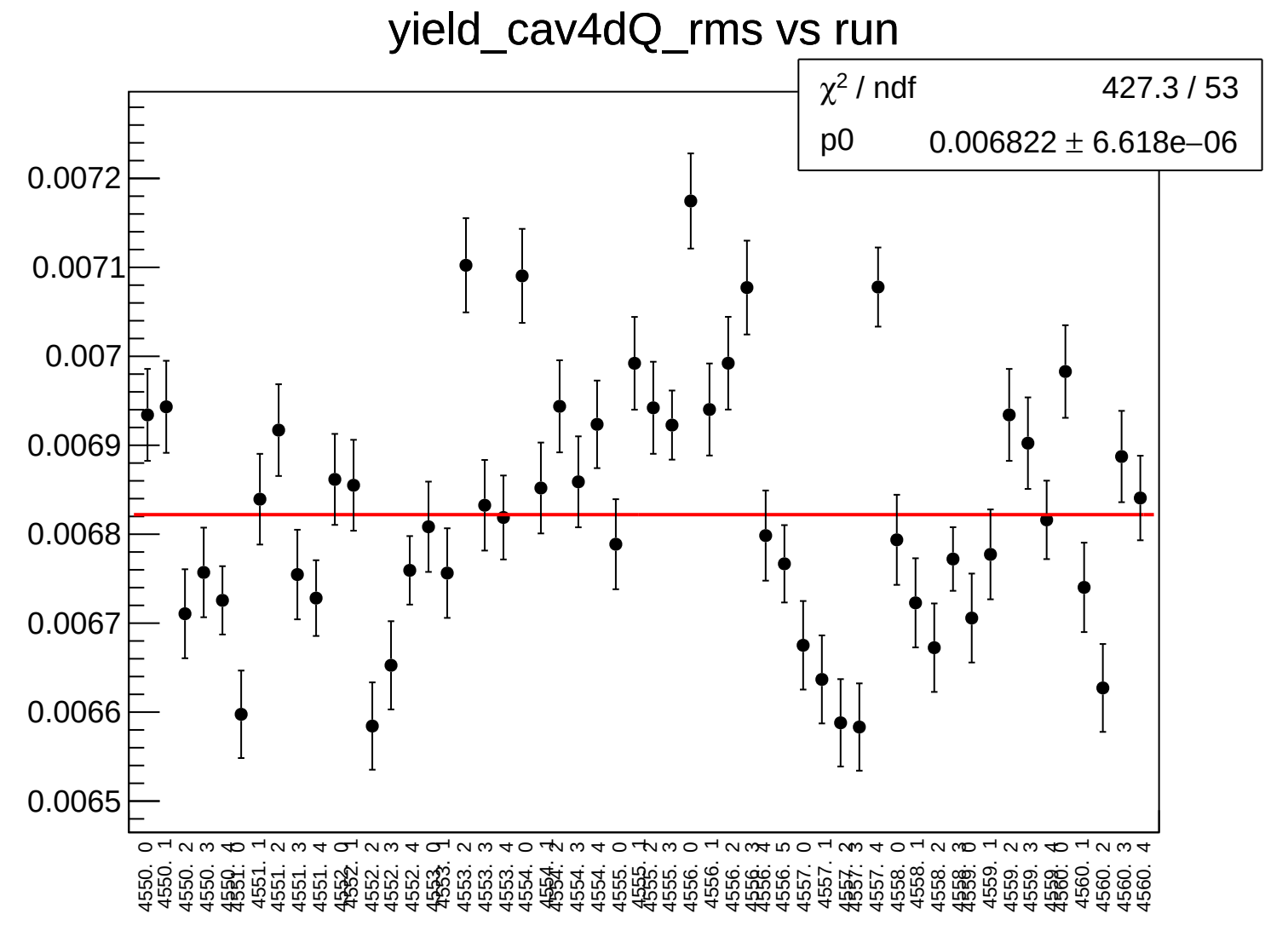

yield_cav4cQ_mean vs run
χ² / ndf 7.516e+04 / 53
p0 70.41± 0.0003678
70.6
70.5
70.4
70.3
70.2
70.1
pull
Entries 54
Mean −482.5
Std Dev 507.8
40
20
0
−20
−40
−60
−80
−100

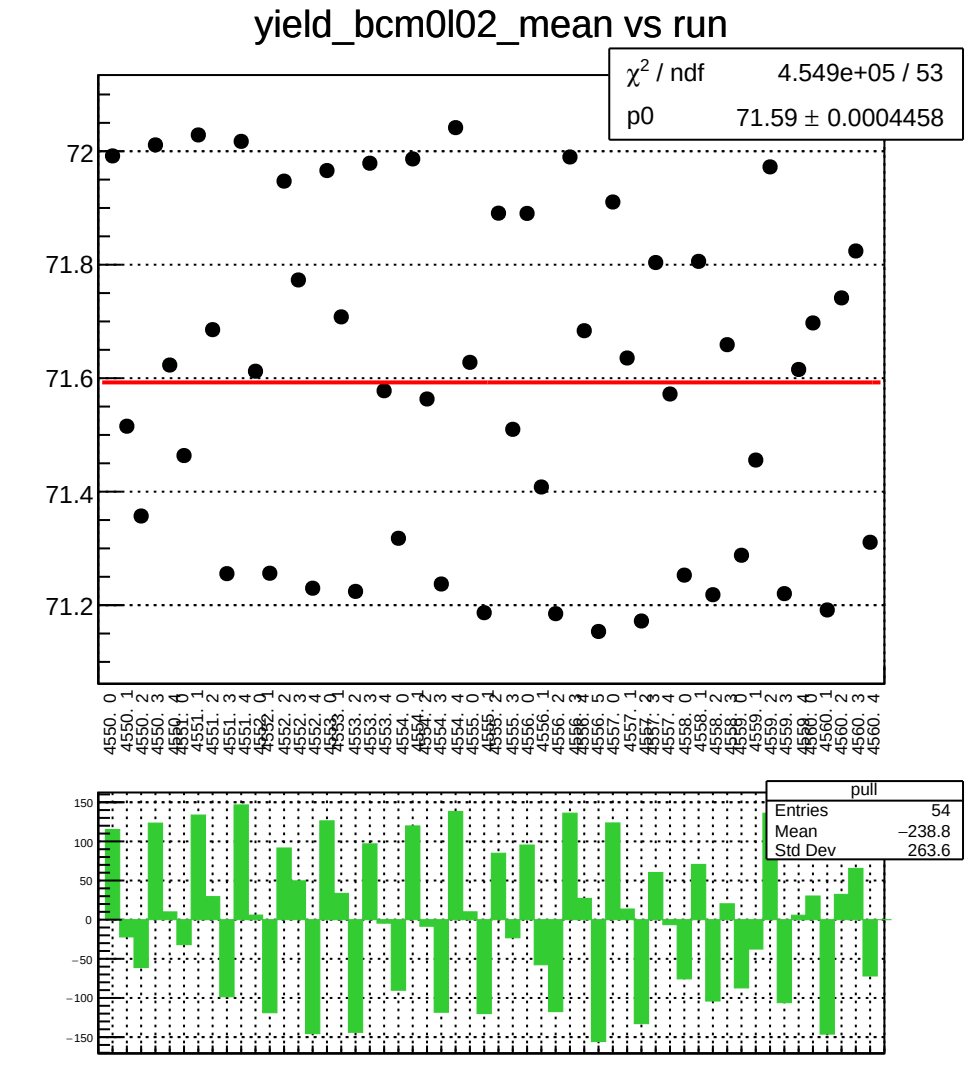

pull1D
Entries 54
Mean 2.545
Std Dev 4.1
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

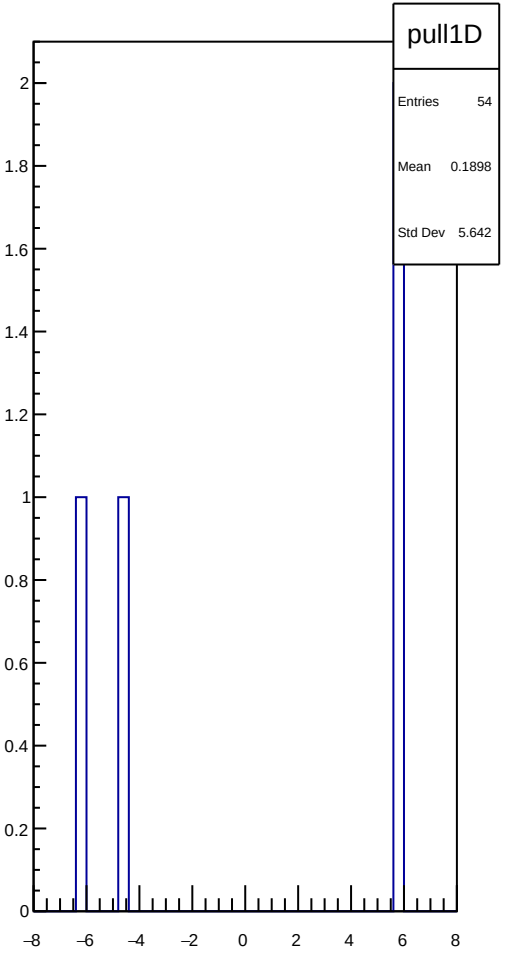

yield_cav4cQ_rms vs run
χ² / ndf 1.113e+04 / 53
p0 0.2667 ± 0.00026
0.32
0.3
0.28
0.26
0.24
0.22

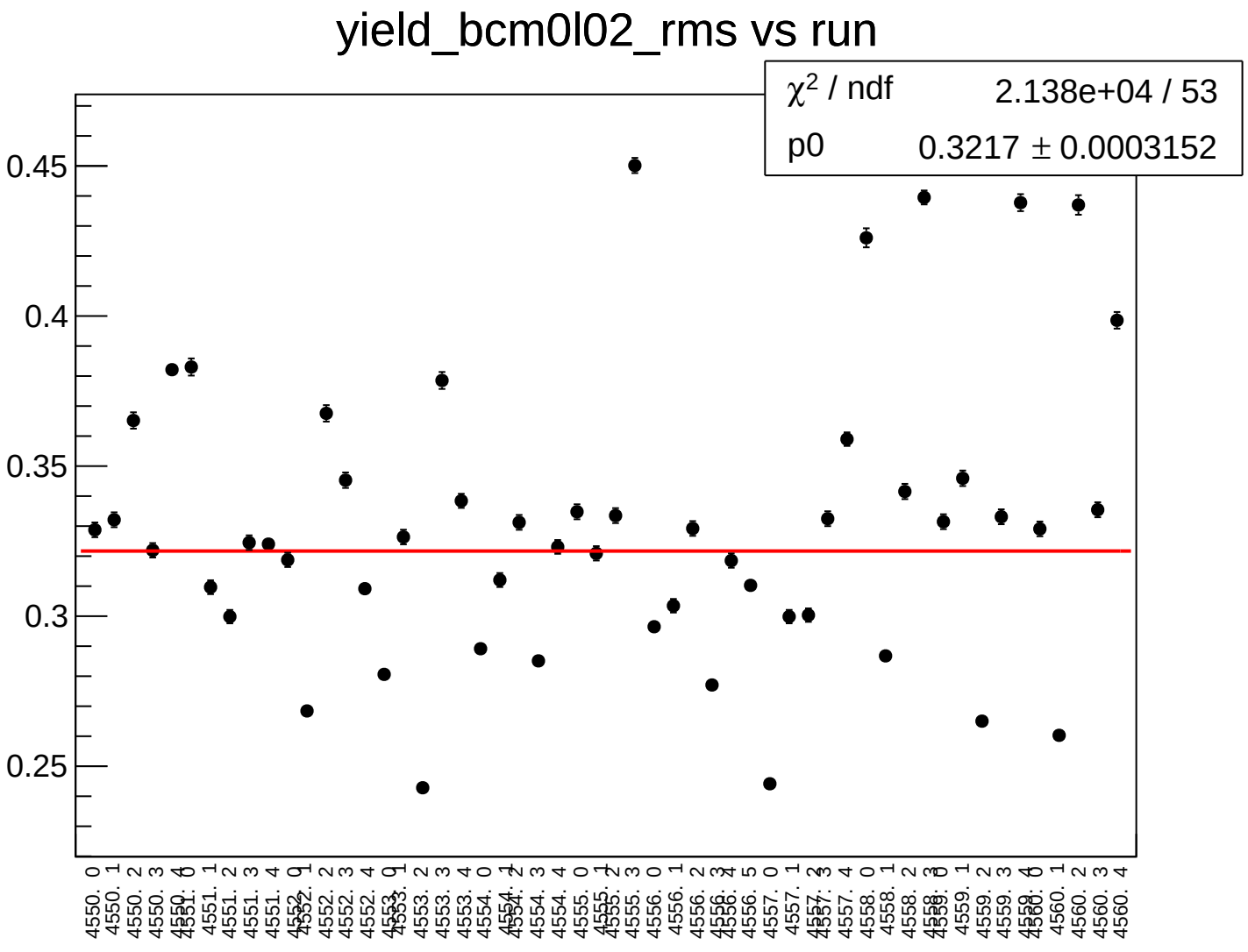

yield_cav4dQ_mean vs run
χ² / ndf 1.638e+05 / 53
p0 379 ± 9.36e−06
379.056
379.054
379.052
379.05
379.048
379.046
379.044
379.042
379.04
379.038
379.036
pull
Entries 54
Mean 836.5
Std Dev 826.8
100
50
0
−50
−100
−150

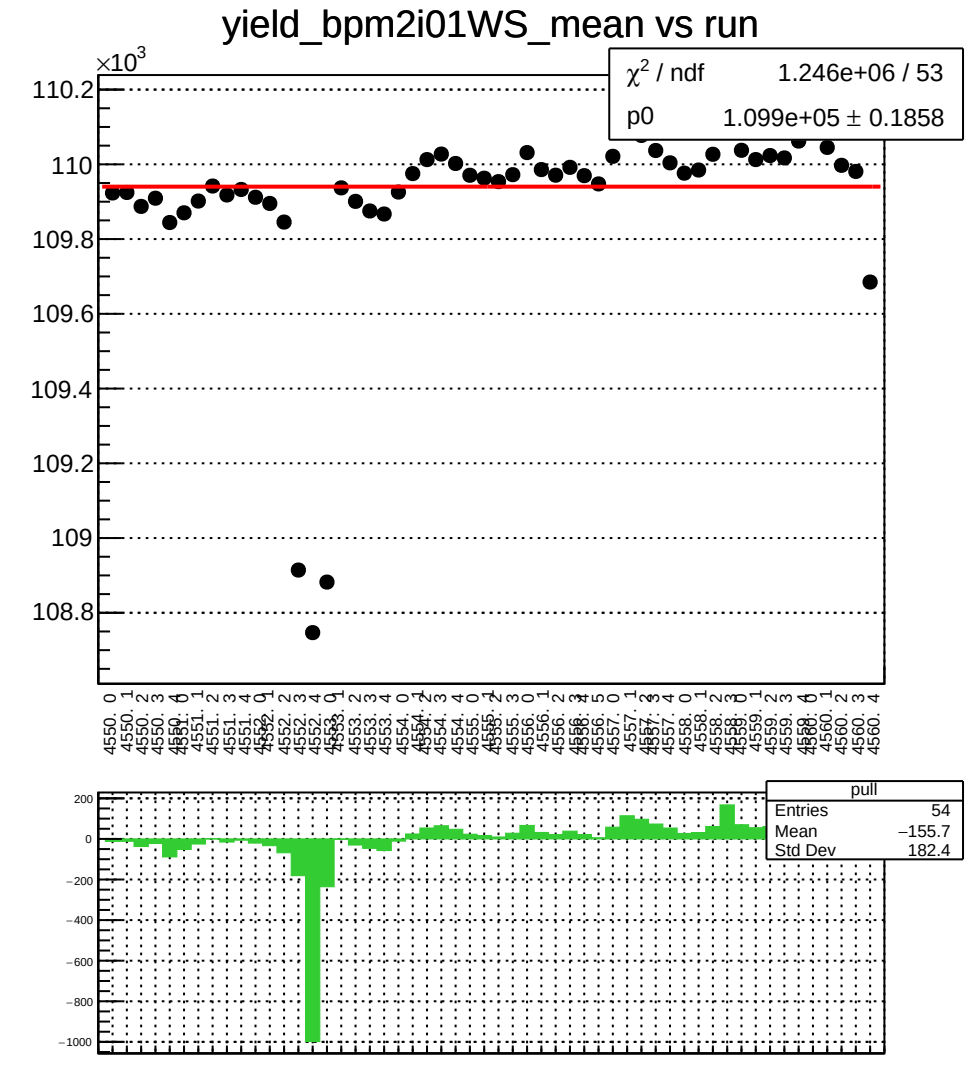

pull1D
Entries 54
Mean 0.8844
Std Dev 3.955
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

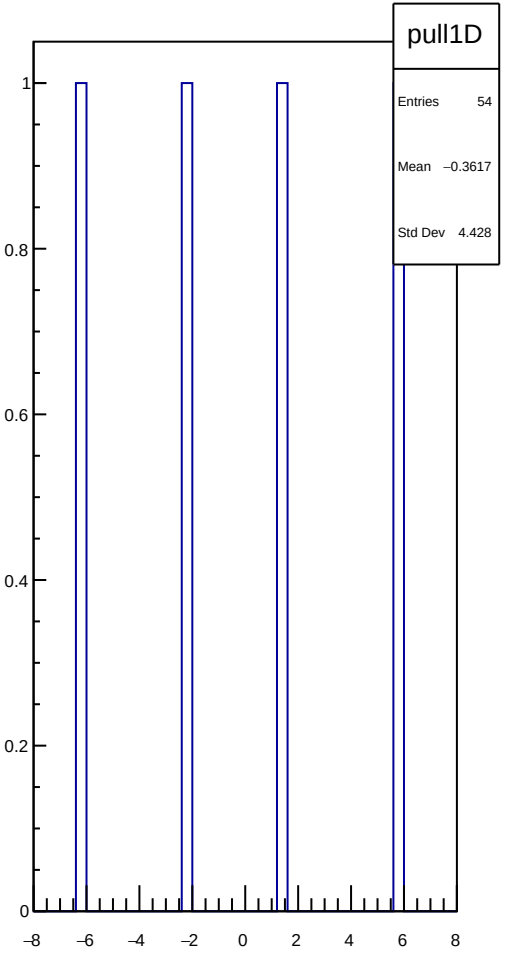

yield_cav4dQ_rms vs run
χ² / ndf 427.3 / 53
p0 0.006822 ± 6.618e−06
0.0072
0.0071
0.007
0.0069
0.0068
0.0067
0.0066
0.0065

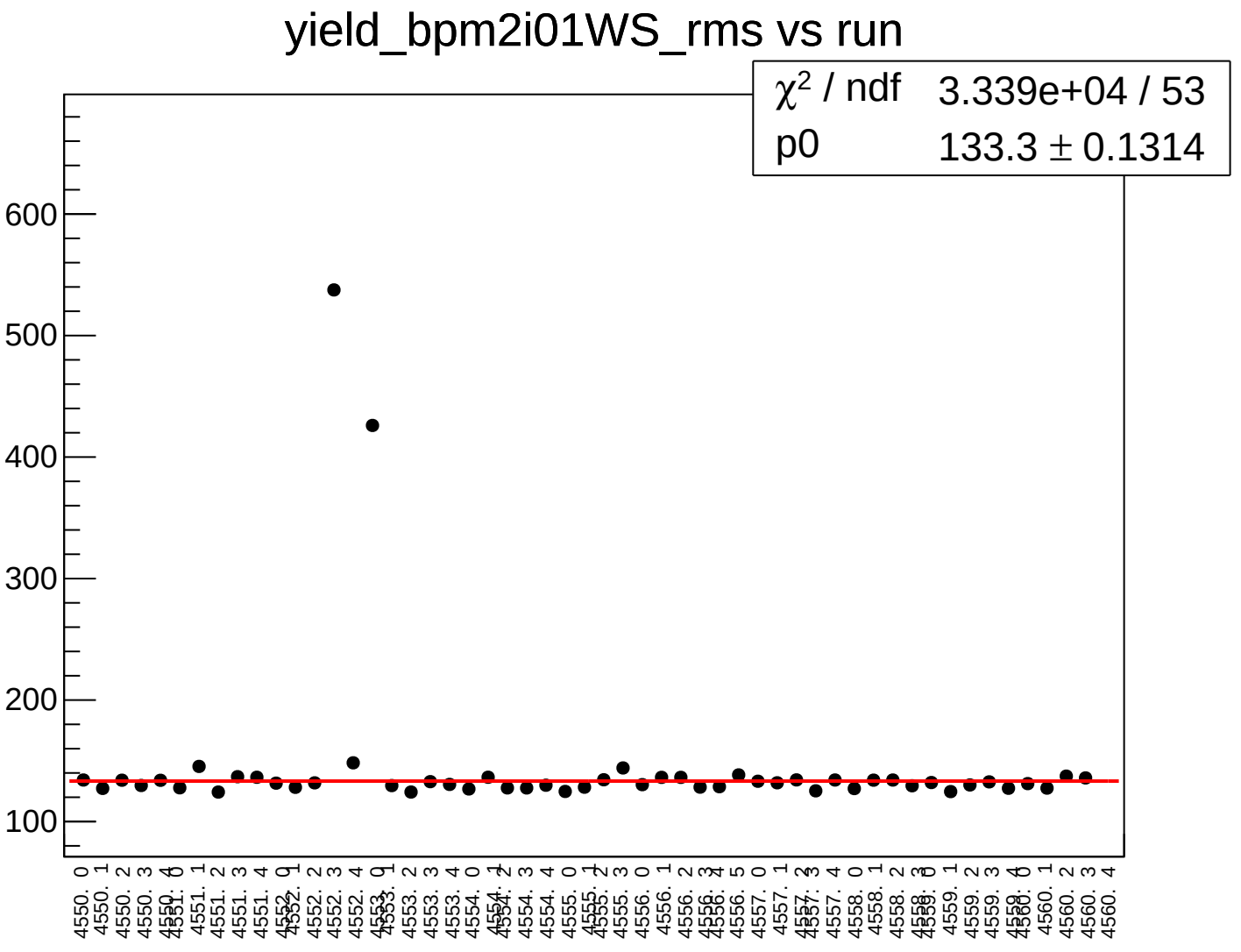

yield_bcm0l02_mean vs run
χ² / ndf 4.549e+05 / 53
p0 71.59 ± 0.0004458
72
71.8
71.6
71.4
71.2
pull
Entries 54
Mean −238.8
Std Dev 263.6
150
100
50
0
−50
−100
−150

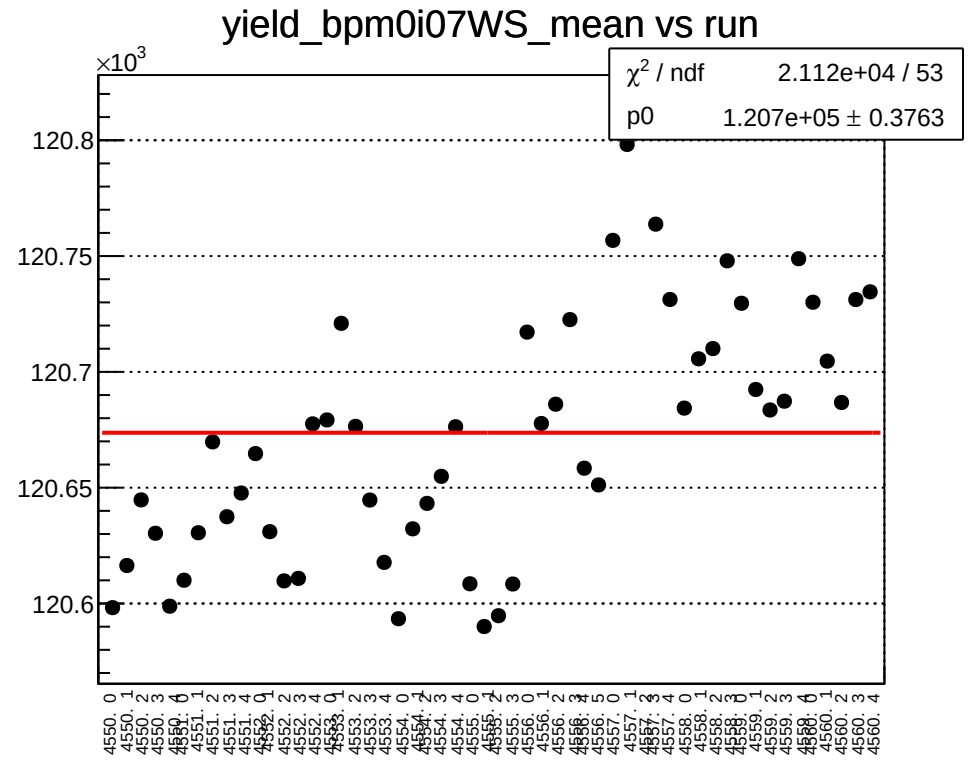

pull1D
Entries 54
Mean 0.1898
Std Dev 5.642
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

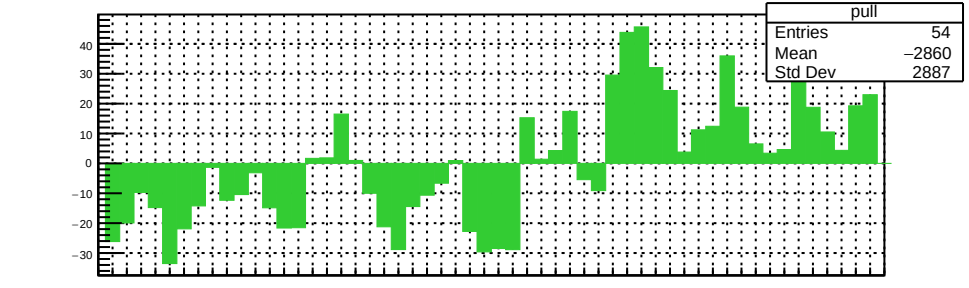

yield_bcm0l02_rms vs run
χ² / ndf 2.138e+04 / 53
p0 0.3217 ± 0.0003152
0.45
0.4
0.35
0.3
0.25

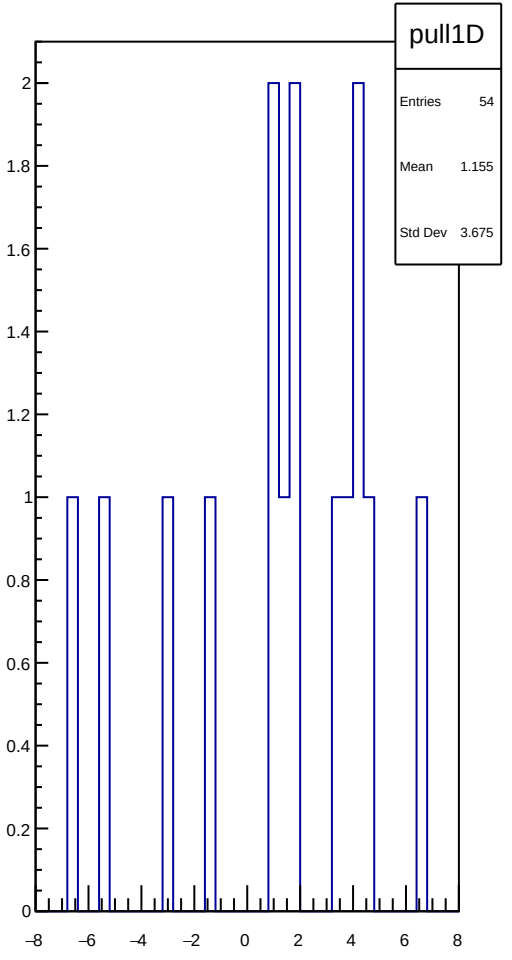

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 1.246e+06 / 53
p0 1.099e+05 ± 0.1858
110.2
110
109.8
109.6
109.4
109.2
109
108.8
pull
Entries 54
Mean −155.7
Std Dev 182.4
200
0
−200
−400
−600
−800
−1000

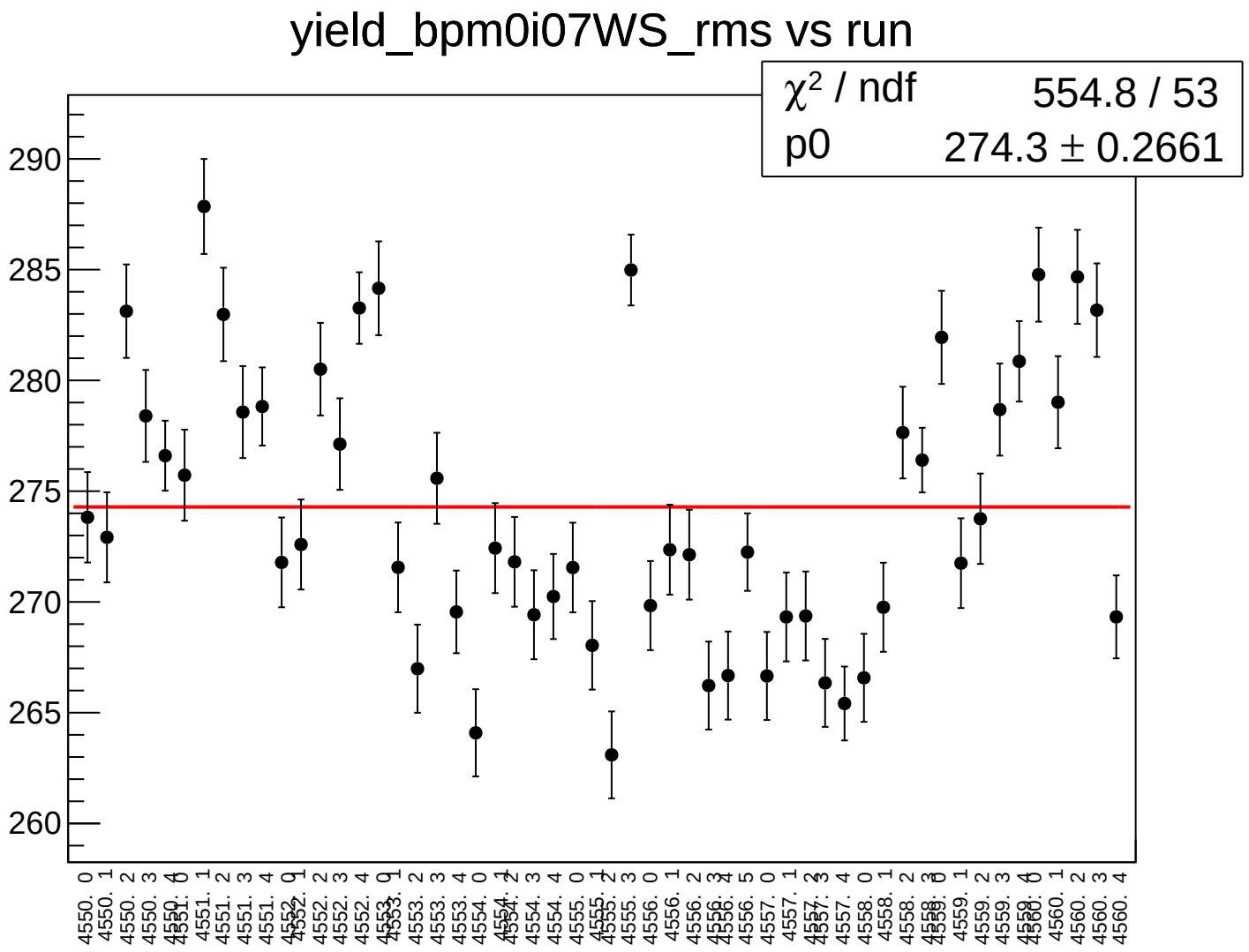

pull1D
Entries 54
Mean −0.3617
Std Dev 4.428
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

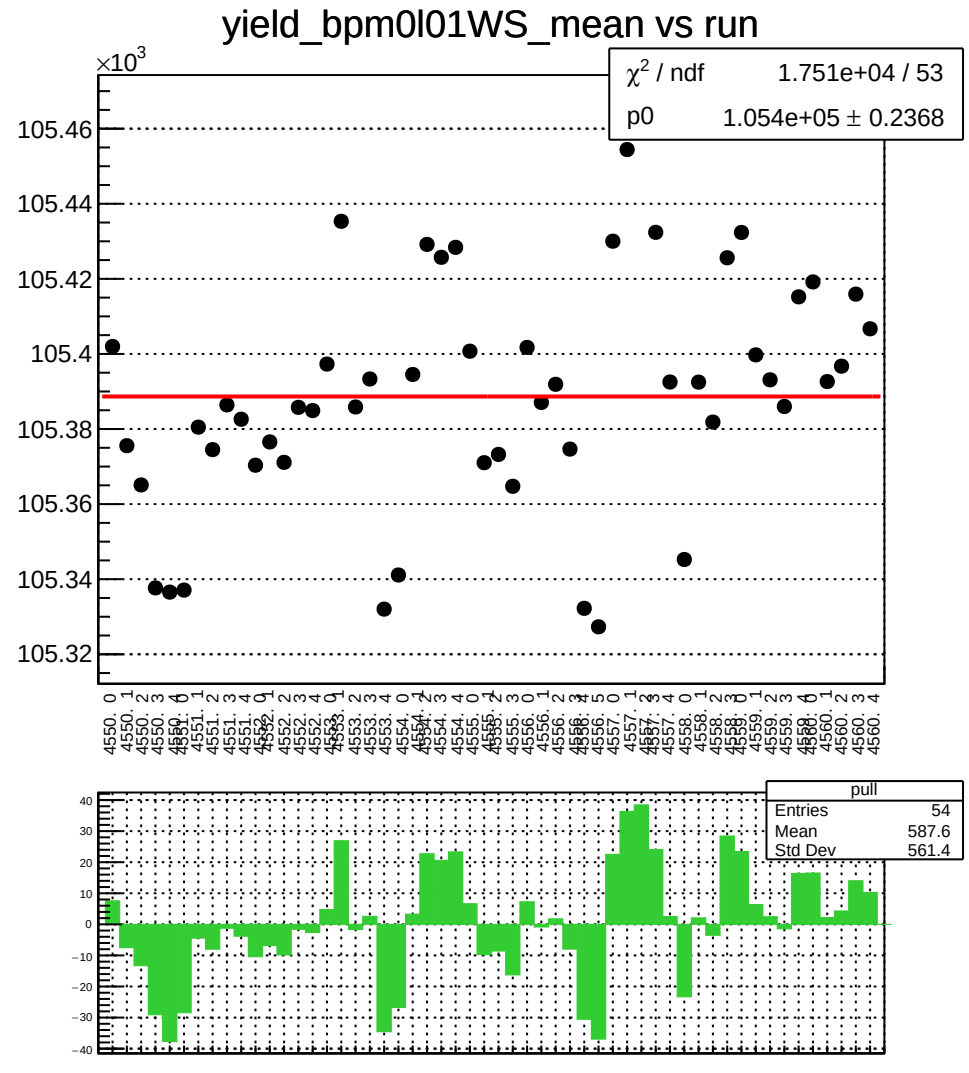

yield_bpm2i01WS_rms vs run
χ² / ndf 3.339e+04 / 53
p0 133.3 ± 0.1314
600
500
400
300
200
100

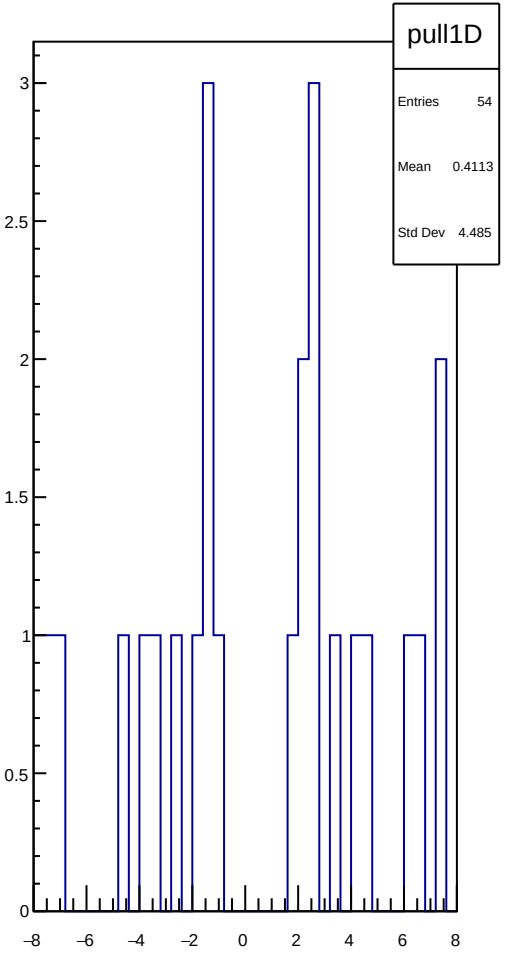

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 2.112e+04 / 53
p0 1.207e+05 ± 0.3763
120.8
120.75
120.7
120.65
120.6

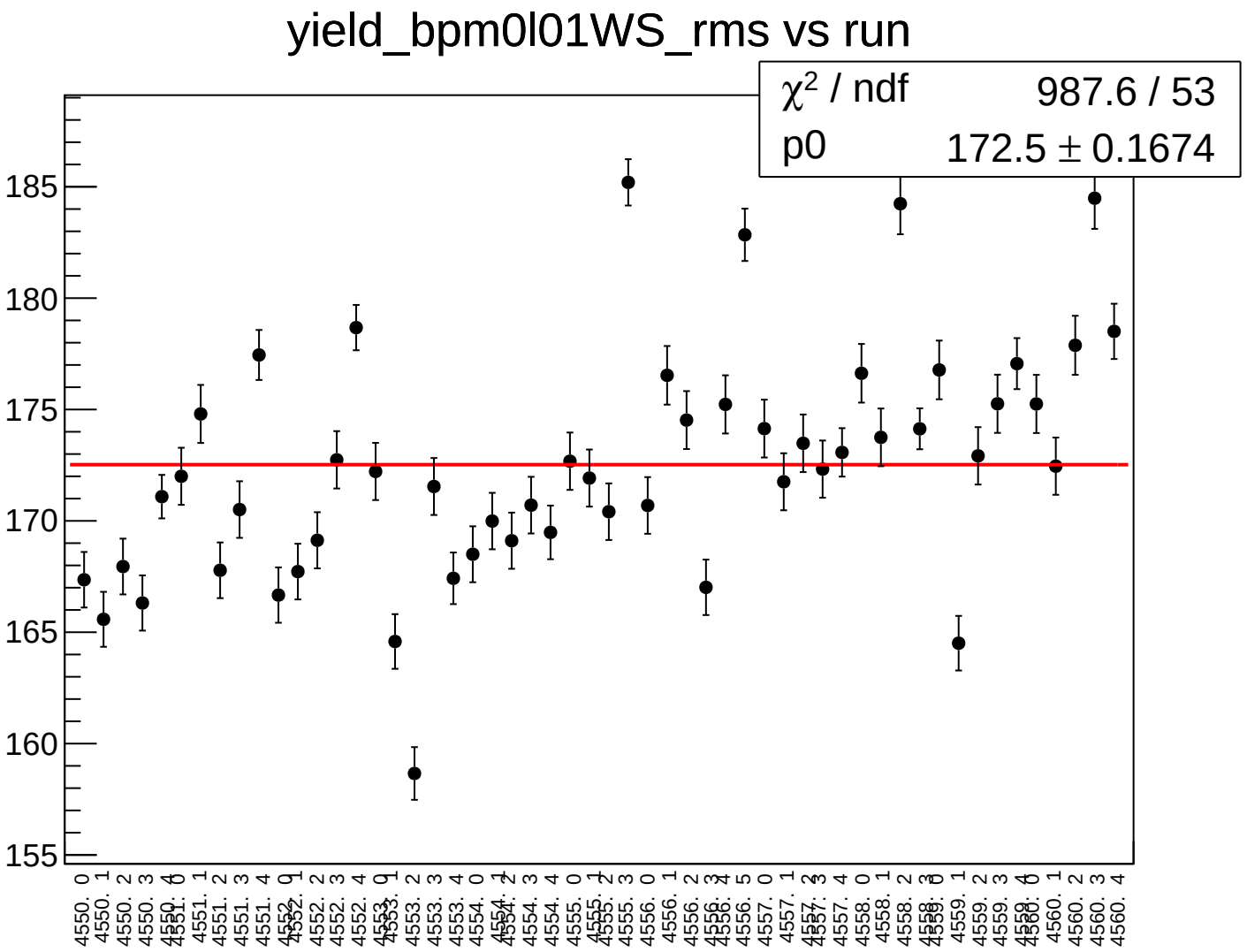

pull
Entries 54
Mean −2860
Std Dev 2887
40
30
20
10
0
−10
−20
−30

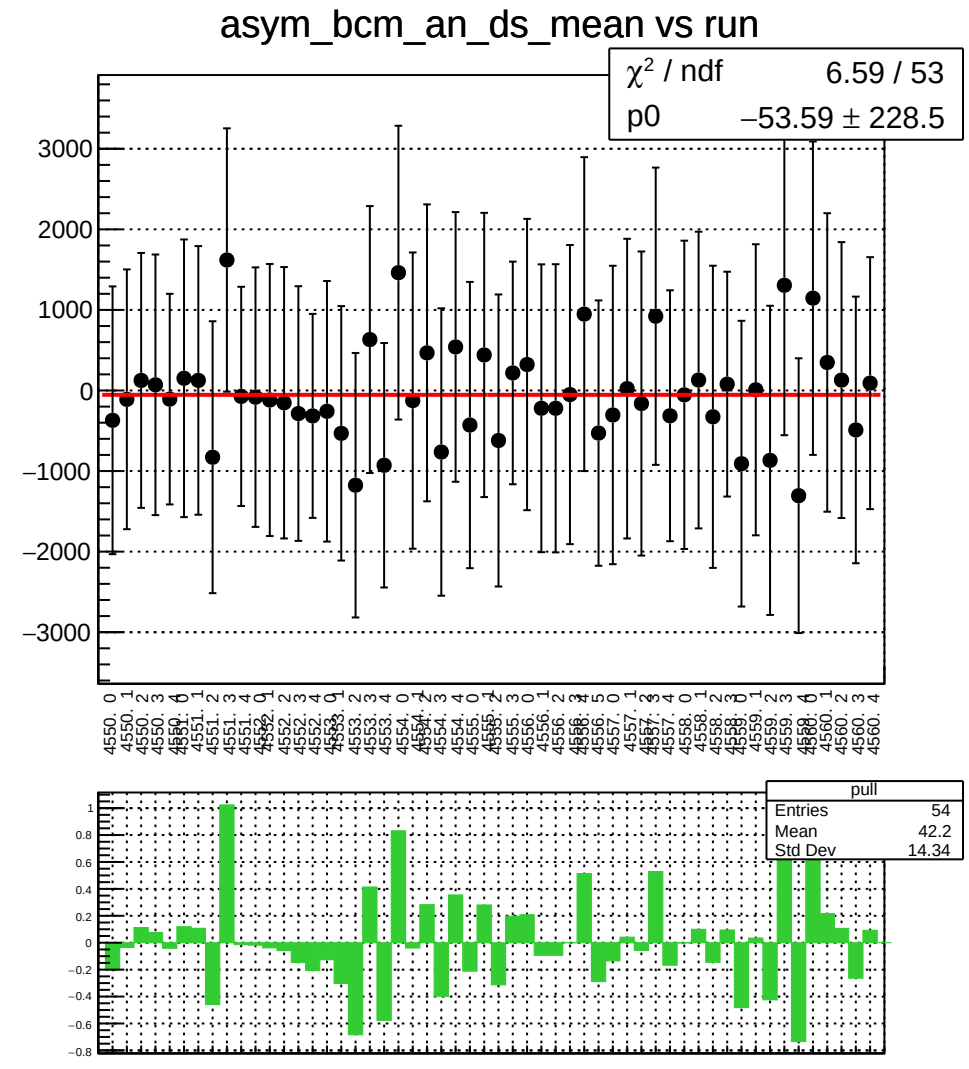

pull1D
Entries 54
Mean 1.155
Std Dev 3.675
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

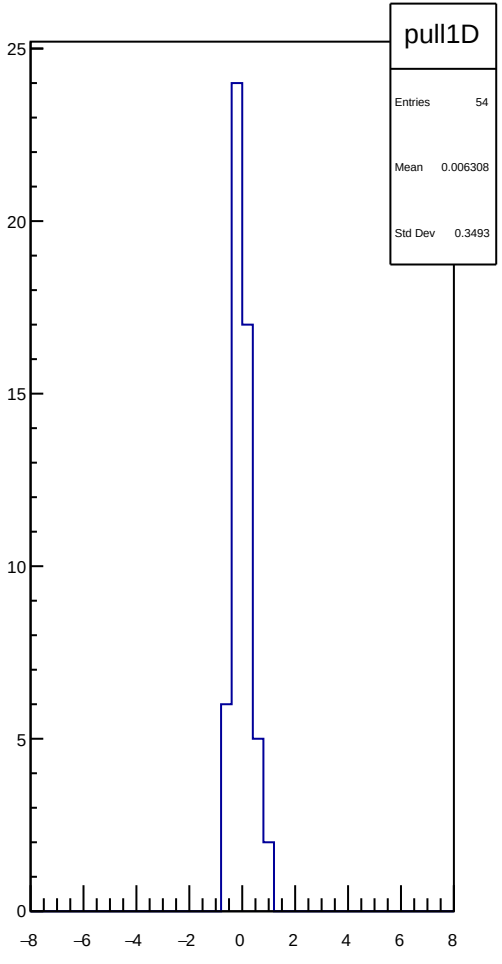

yield_bpm0i07WS_rms vs run
χ² / ndf 554.8 / 53
p0 274.3 ± 0.2661
290
285
280
275
270
265
260

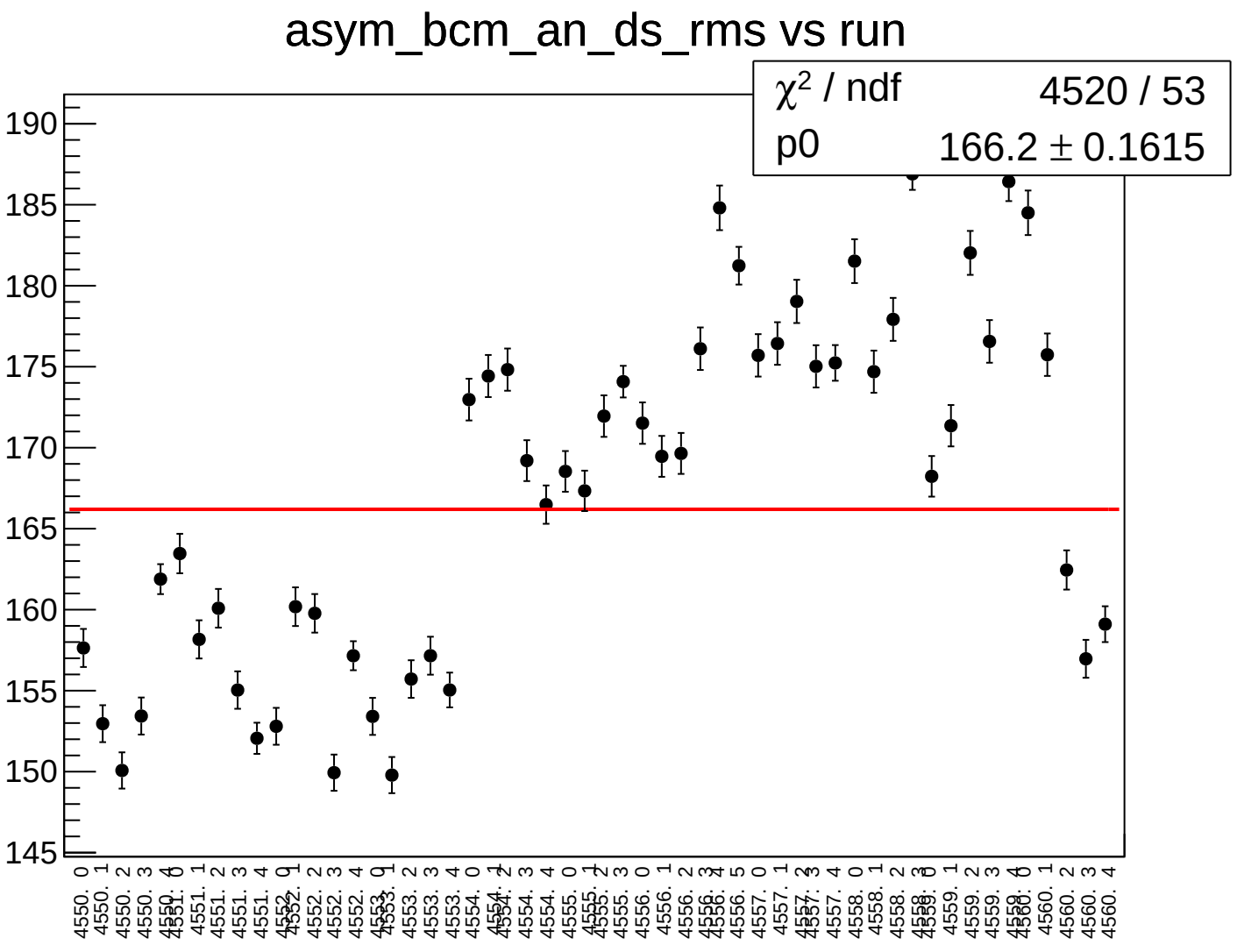

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 1.751e+04 / 53
p0 1.054e+05 ± 0.2368
105.46
105.44
105.42
105.4
105.38
105.36
105.34
105.32
pull
Entries 54
Mean 587.6
Std Dev 561.4
40
30
20
10
0
−10
−20
−30
−40

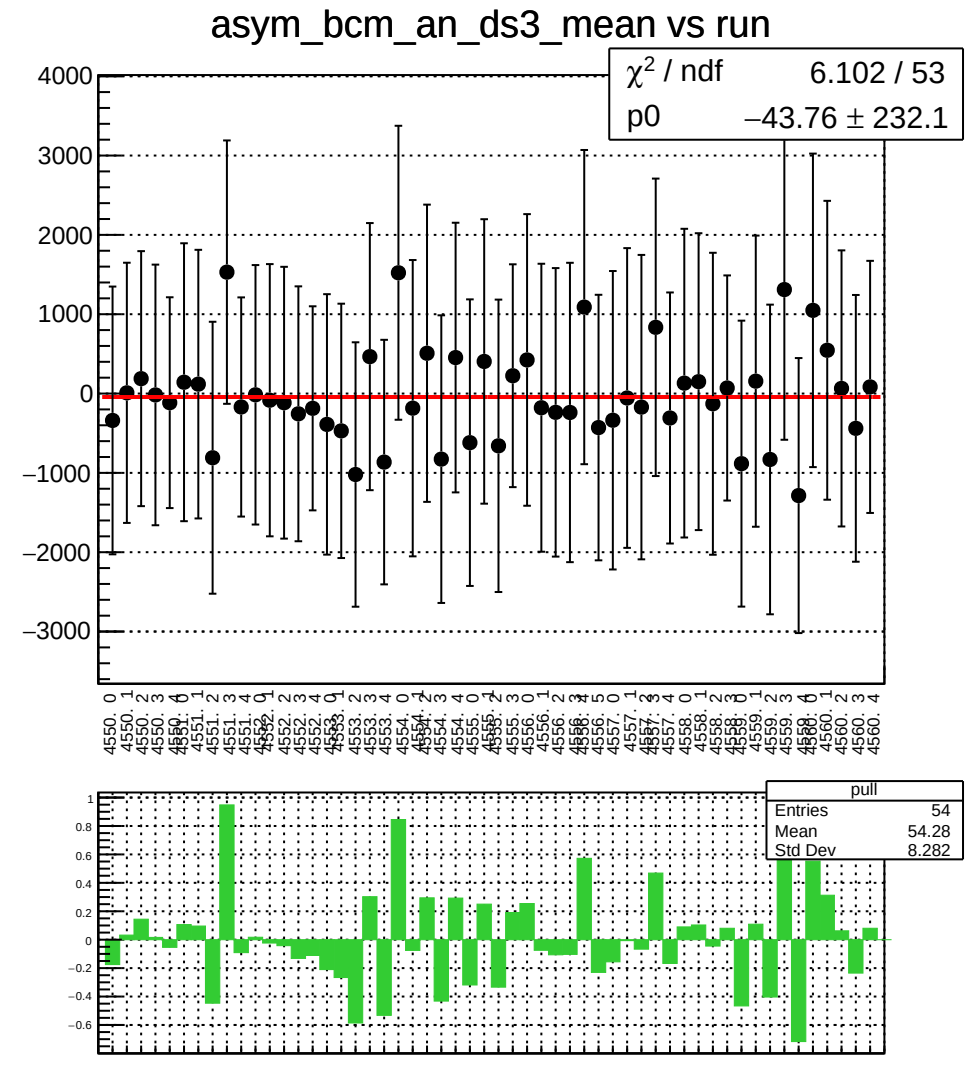

pull1D
Entries 54
Mean 0.4113
Std Dev 4.485
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

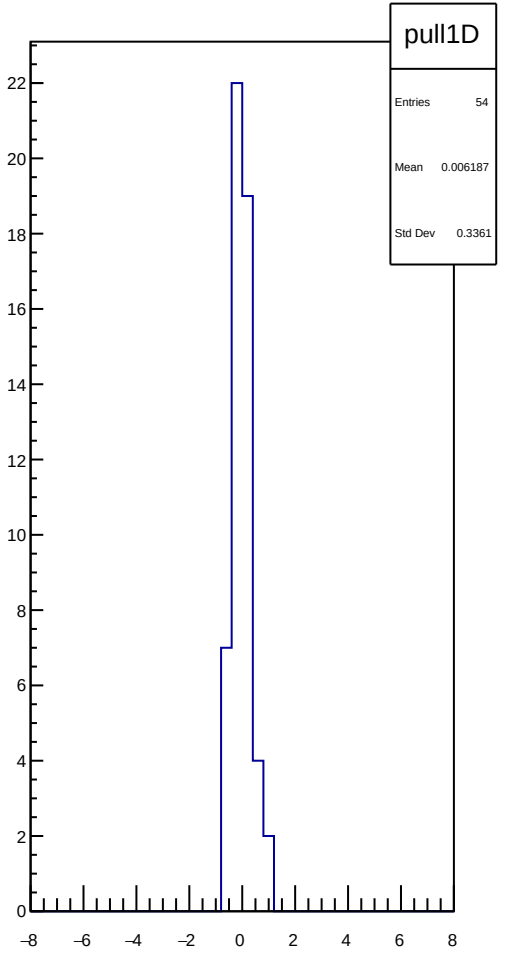

yield_bpm0l01WS_rms vs run
χ² / ndf 987.6 / 53
p0 172.5 ± 0.1674
185
180
175
170
165
160
155

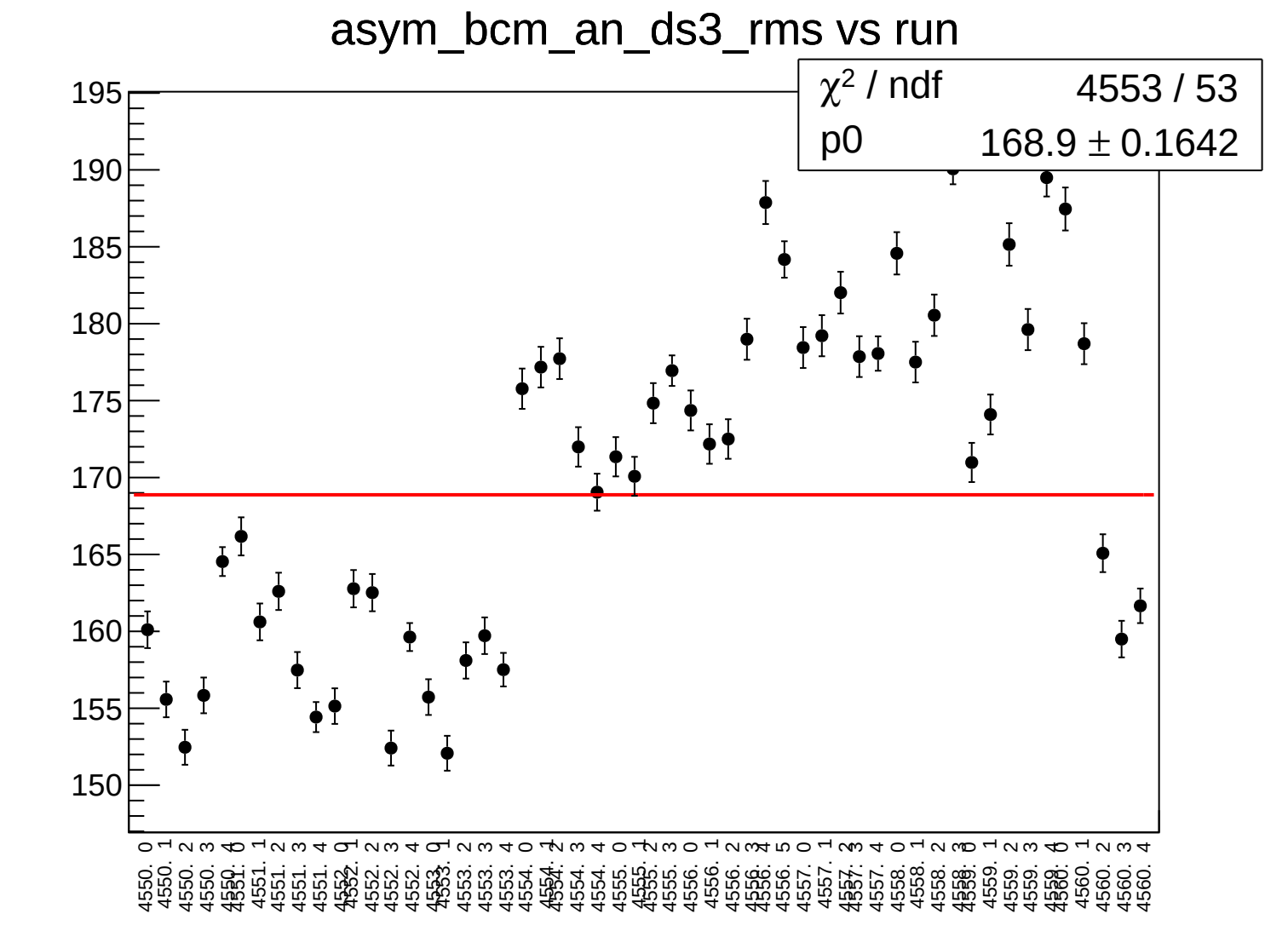

asym_bcm_an_ds_mean vs run
χ² / ndf 6.59 / 53
p0 −53.59 ± 228.5
pull
Entries 54
Mean 42.2
Std Dev 14.34

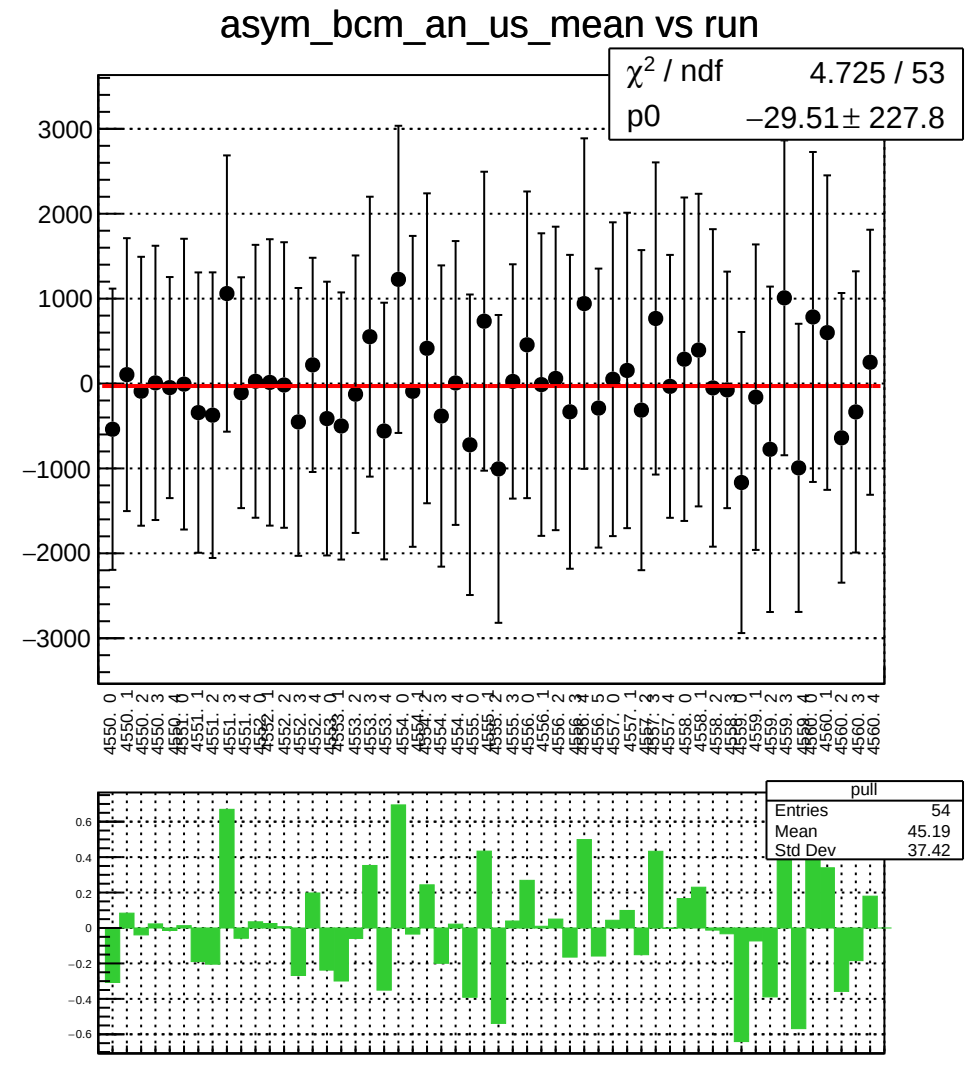

pull1D
Entries 54
Mean 0.006308
Std Dev 0.3493

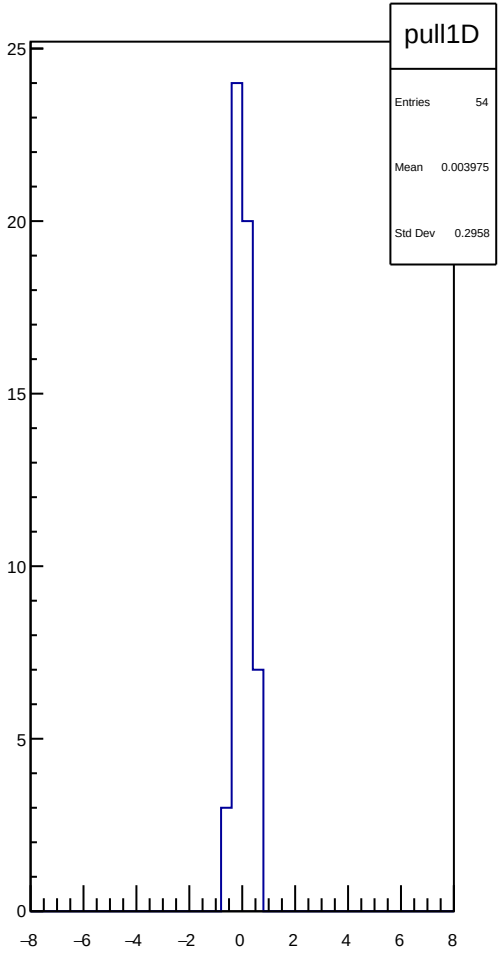

asym_bcm_an_ds_rms vs run
χ² / ndf 4520 / 53
p0 166.2 ± 0.1615
190
185
180
175
170
165
160
155
150
145

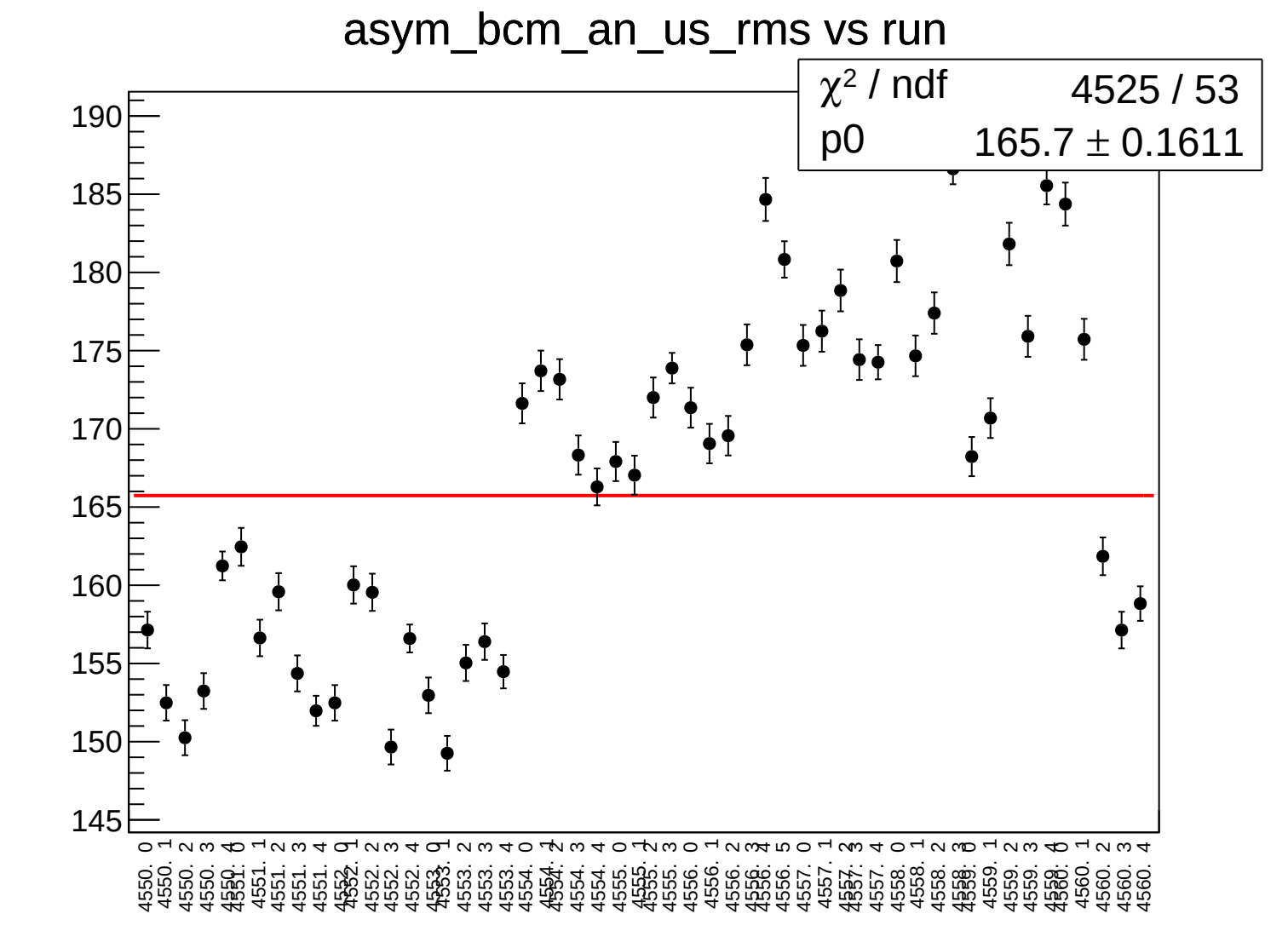

asym_bcm_an_ds3_mean vs run
χ² / ndf 6.102 / 53
p0 −43.76 ± 232.1
pull
Entries 54
Mean 54.28
Std Dev 8.282

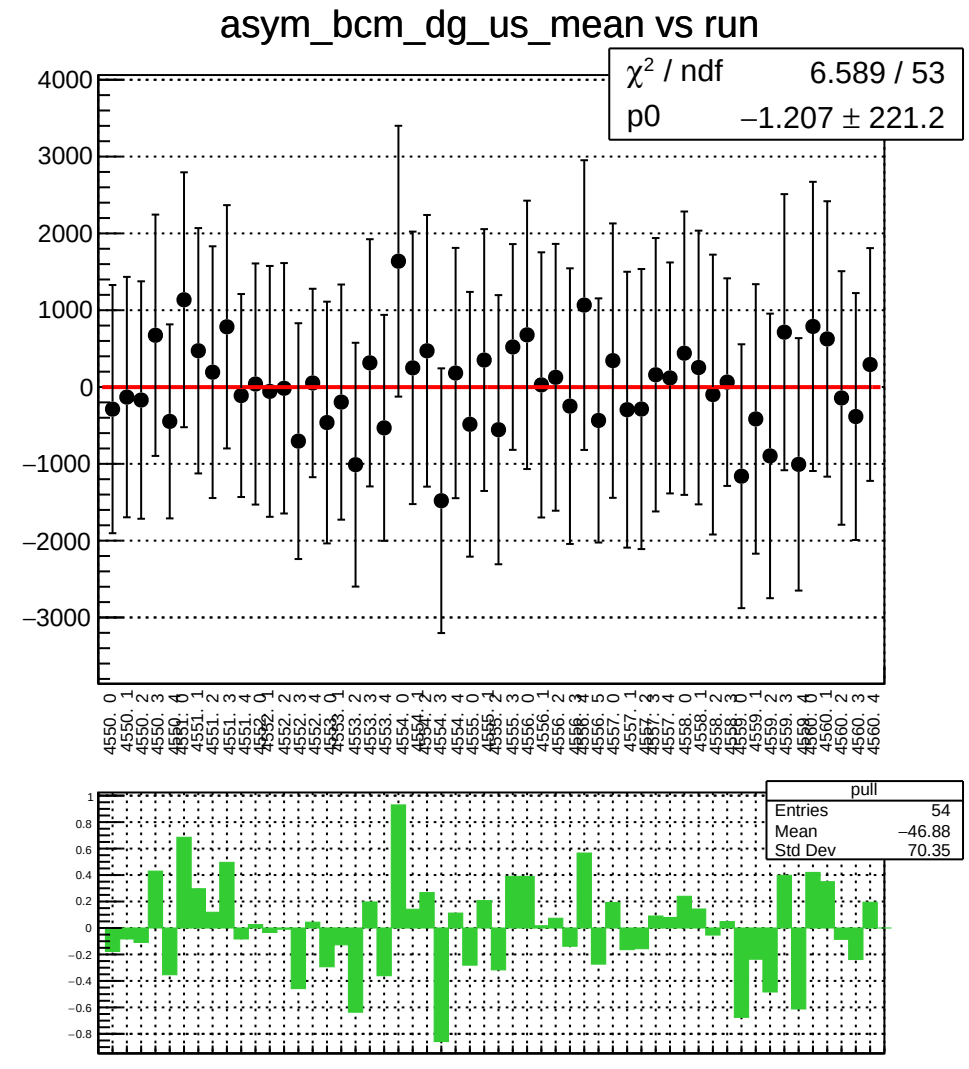

pull1D
Entries 54
Mean 0.006187
Std Dev 0.3361

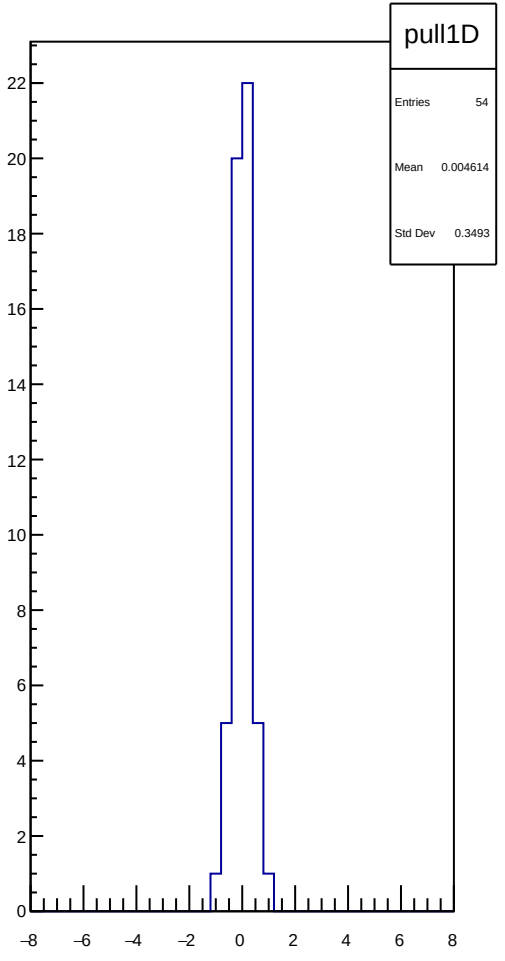

asym_bcm_an_ds3_rms vs run
χ² / ndf 4553 / 53
p0 168.9 ± 0.1642
195
190
185
180
175
170
165
160
155
150

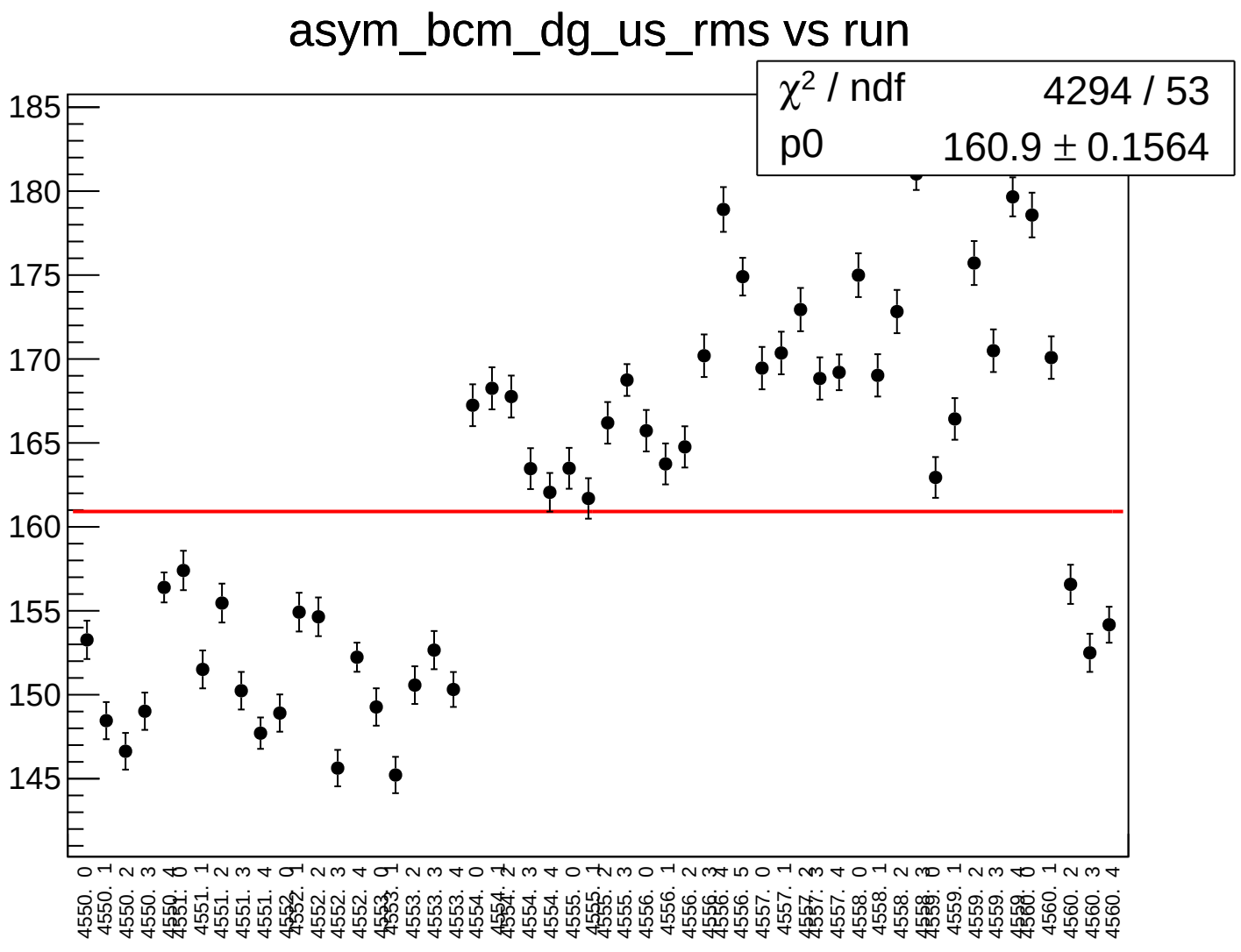

asym_bcm_an_us_mean vs run
χ² / ndf 4.725 / 53
p0 −29.51 ± 227.8
pull
Entries 54
Mean 45.19
Std Dev 37.42

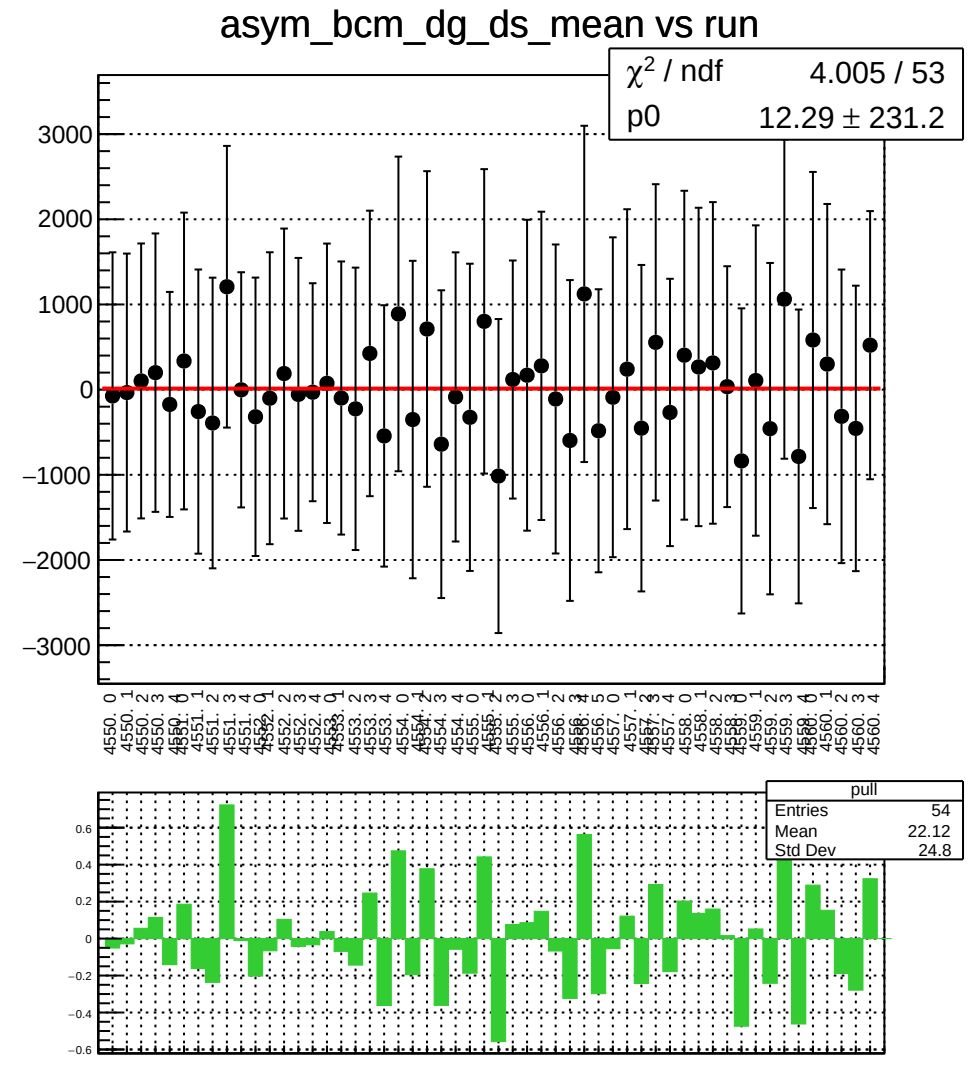

pull1D
Entries 54
Mean 0.003975
Std Dev 0.2958

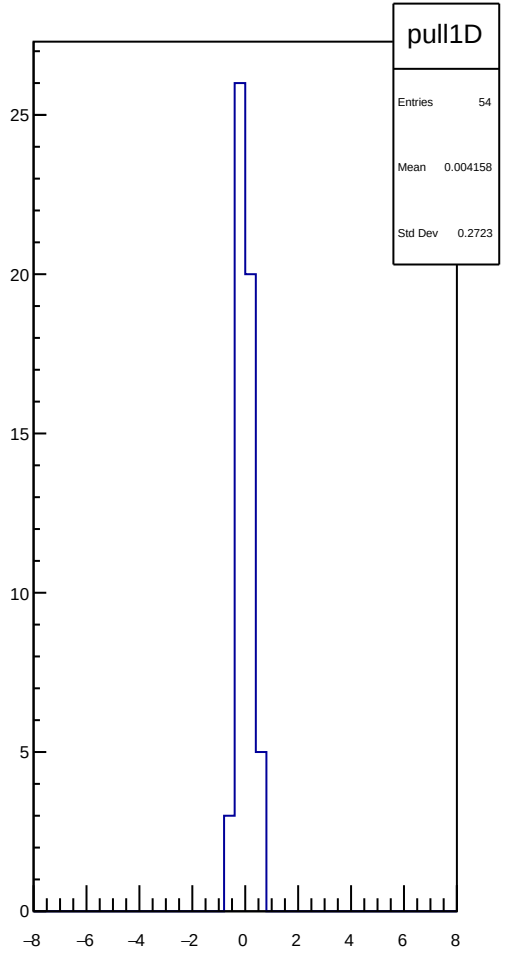

asym_bcm_an_us_rms vs run
χ² / ndf 4525 / 53
p0 165.7 ± 0.1611
190
185
180
175
170
165
160
155
150
145
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

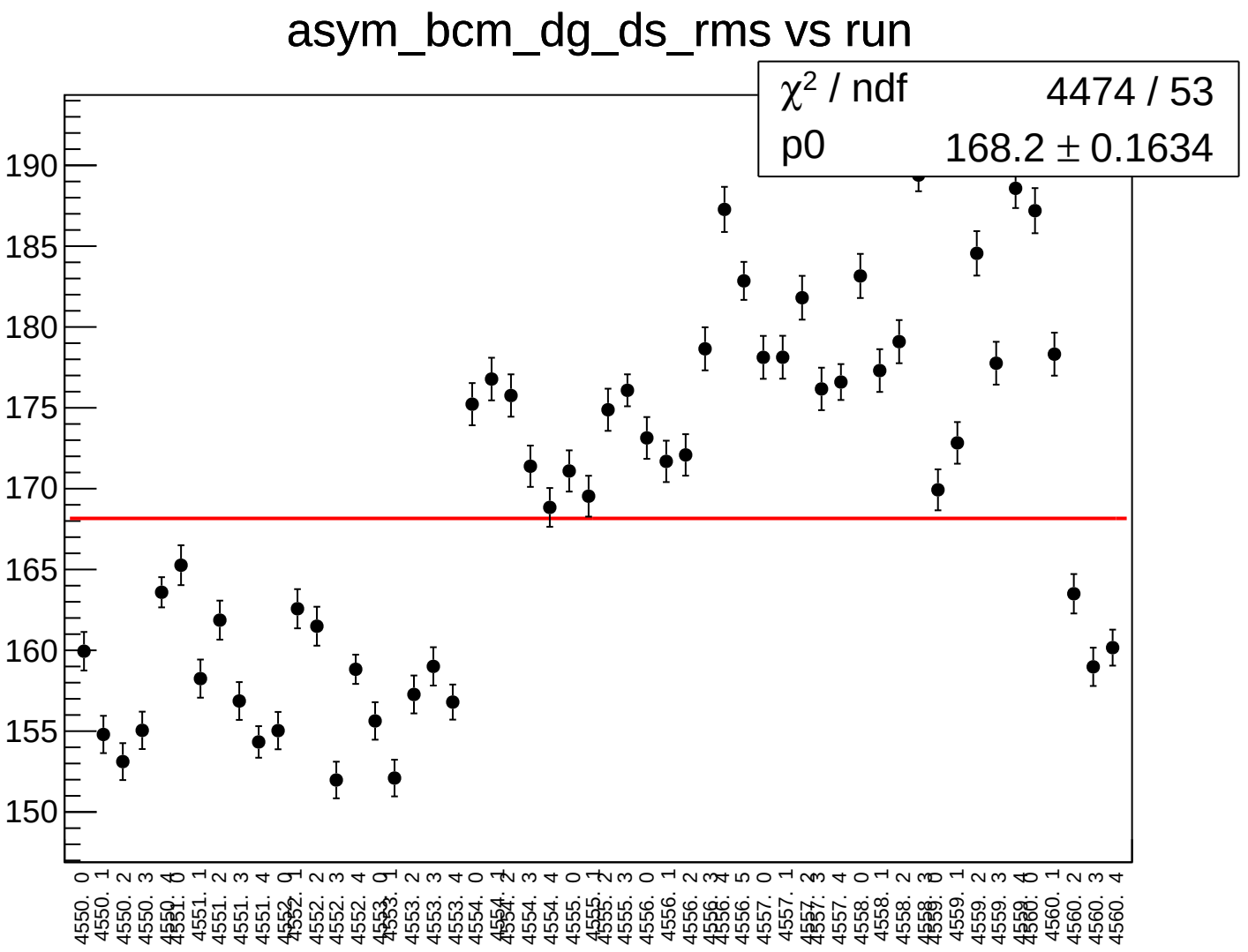

asym_bcm_dg_us_mean vs run
χ² / ndf 6.589 / 53
p0 −1.207 ± 221.2
pull
Entries 54
Mean −46.88
Std Dev 70.35

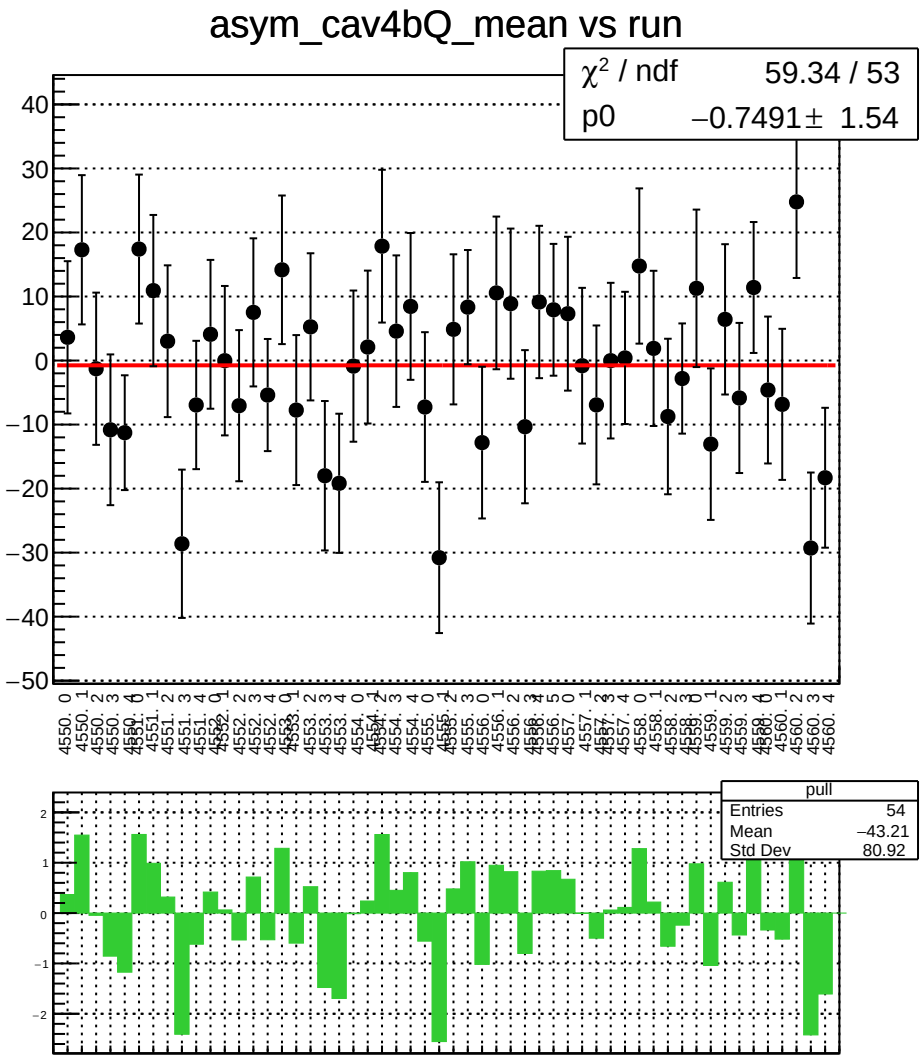

pull1D
Entries 54
Mean 0.004614
Std Dev 0.3493

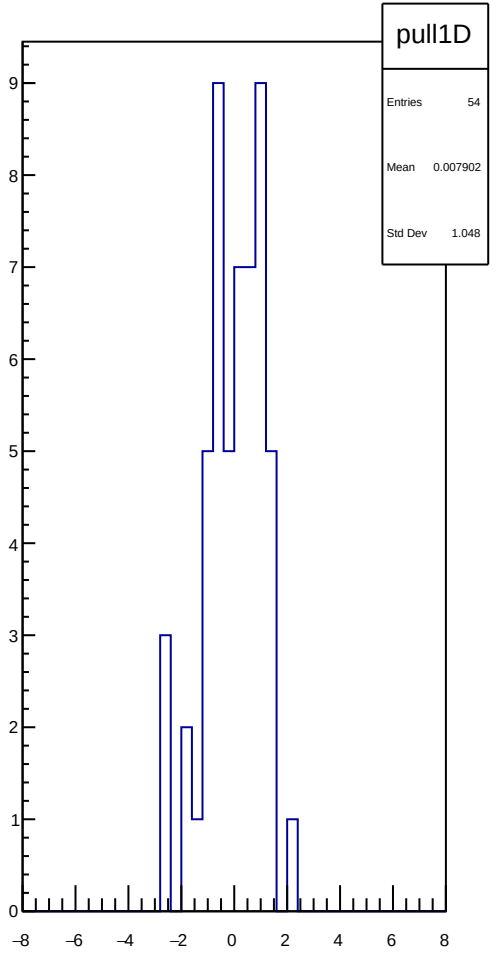

asym_bcm_dg_us_rms vs run
χ² / ndf 4294 / 53
p0 160.9 ± 0.1564
185
180
175
170
165
160
155
150
145
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

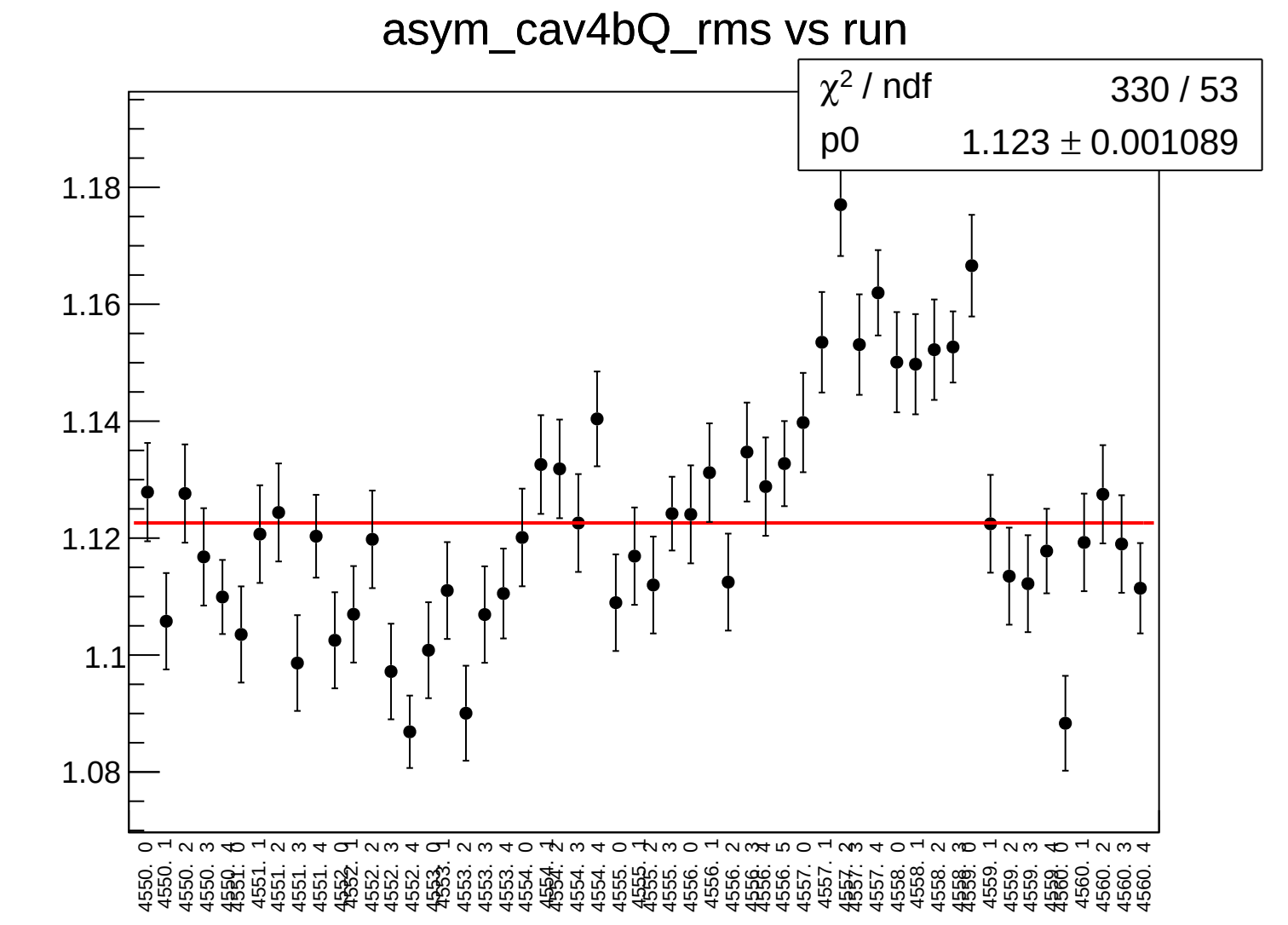

asym_bcm_dg_ds_mean vs run
χ² / ndf 4.005 / 53
p0 12.29 ± 231.2
pull
Entries 54
Mean 22.12
Std Dev 24.8

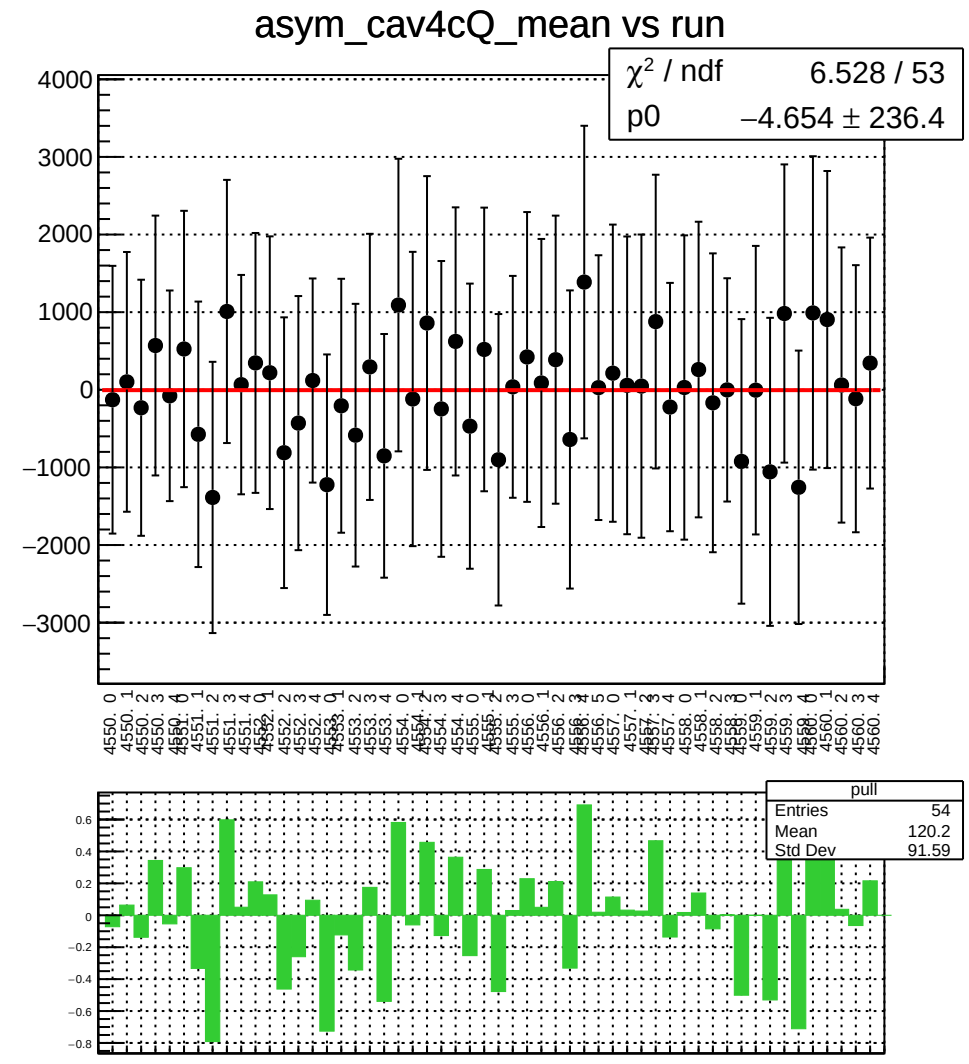

pull1D
Entries 54
Mean 0.004158
Std Dev 0.2723

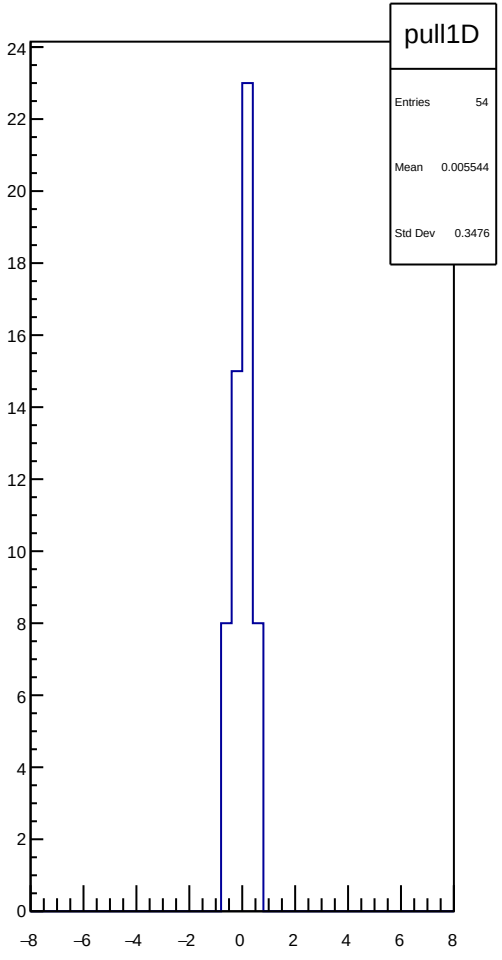

asym_bcm_dg_ds_rms vs run
χ² / ndf 4474 / 53
p0 168.2 ± 0.1634
190
185
180
175
170
165
160
155
150
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

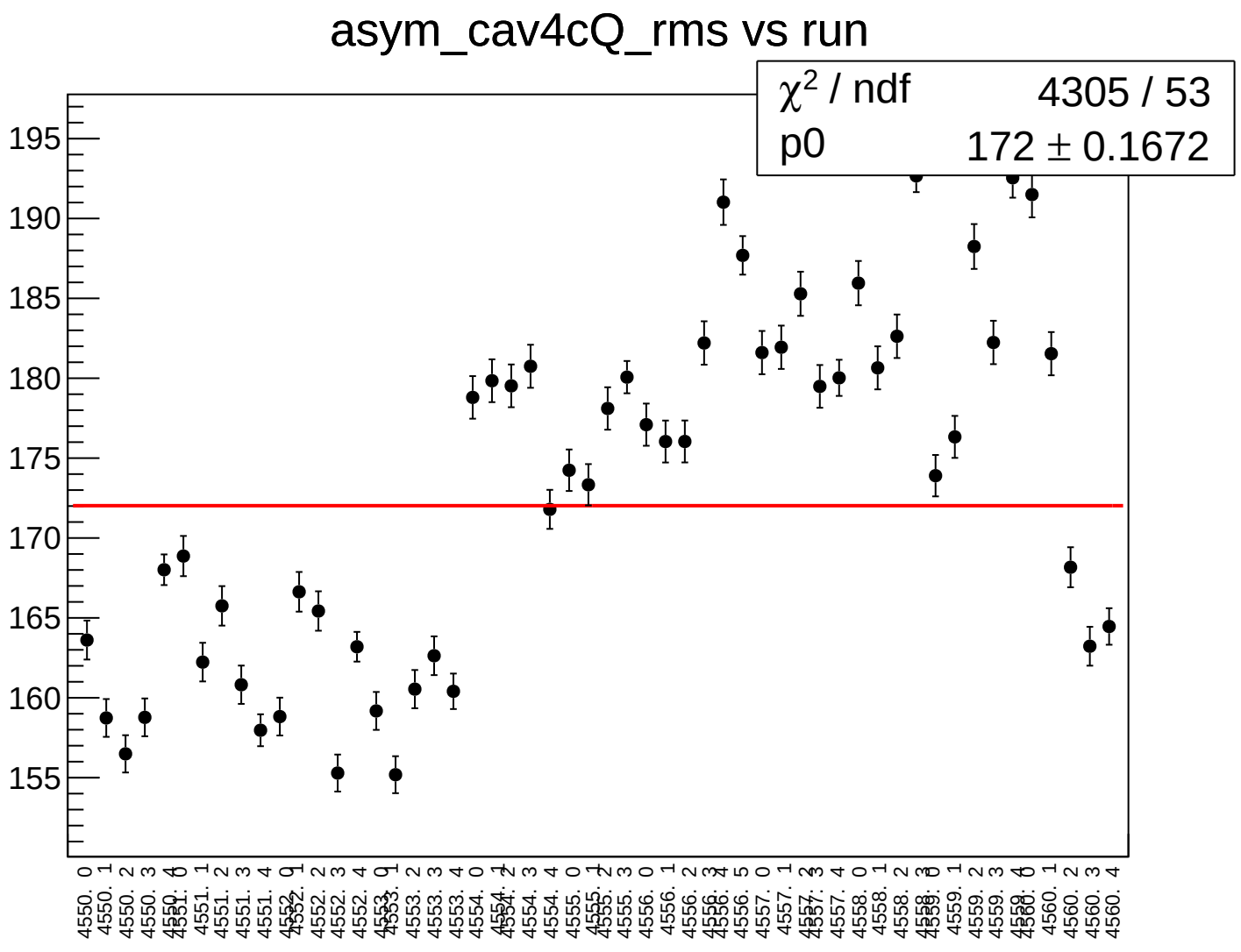

asym_cav4bQ_mean vs run
χ² / ndf 59.34 / 53
p0 −0.7491± 1.54
pull
Entries 54
Mean −43.21
Std Dev 80.92


pull1D
Entries 54
Mean 0.007902
Std Dev 1.048


asym_cav4bQ_rms vs run
χ² / ndf 330 / 53
p0 1.123 ± 0.001089
1.18
1.16
1.14
1.12
1.1
1.08


asym_cav4cQ_mean vs run
χ² / ndf 6.528 / 53
p0 −4.654 ± 236.4
pull
Entries 54
Mean 120.2
Std Dev 91.59


pull1D
Entries 54
Mean 0.005544
Std Dev 0.3476


asym_cav4cQ_rms vs run
χ² / ndf 4305 / 53
p0 172 ± 0.1672
195
190
185
180
175
170
165
160
155
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
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4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
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4556. 2
4556. 3
4556. 4
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4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
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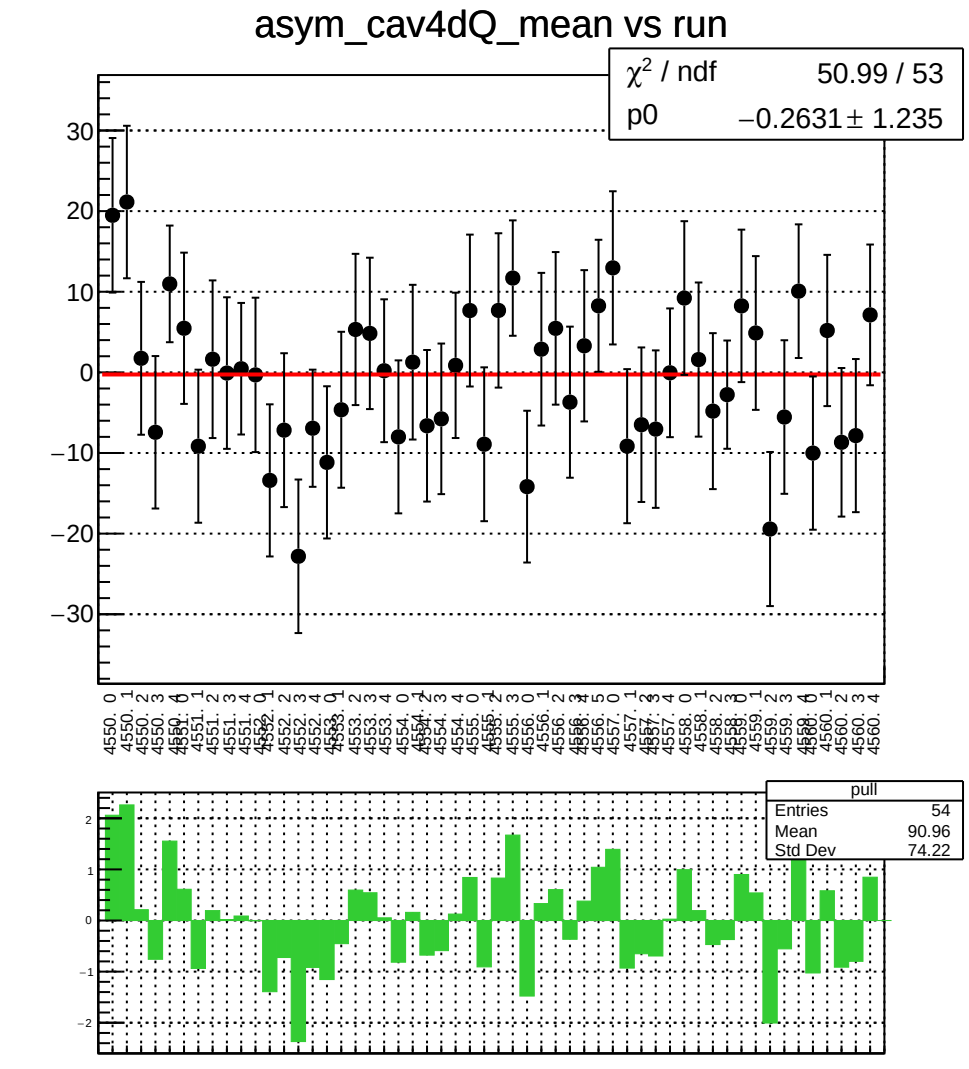
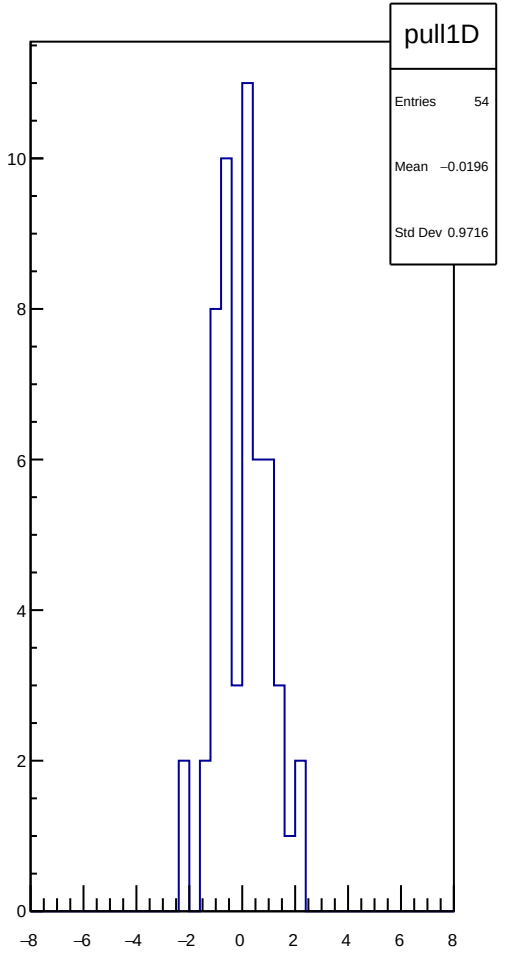
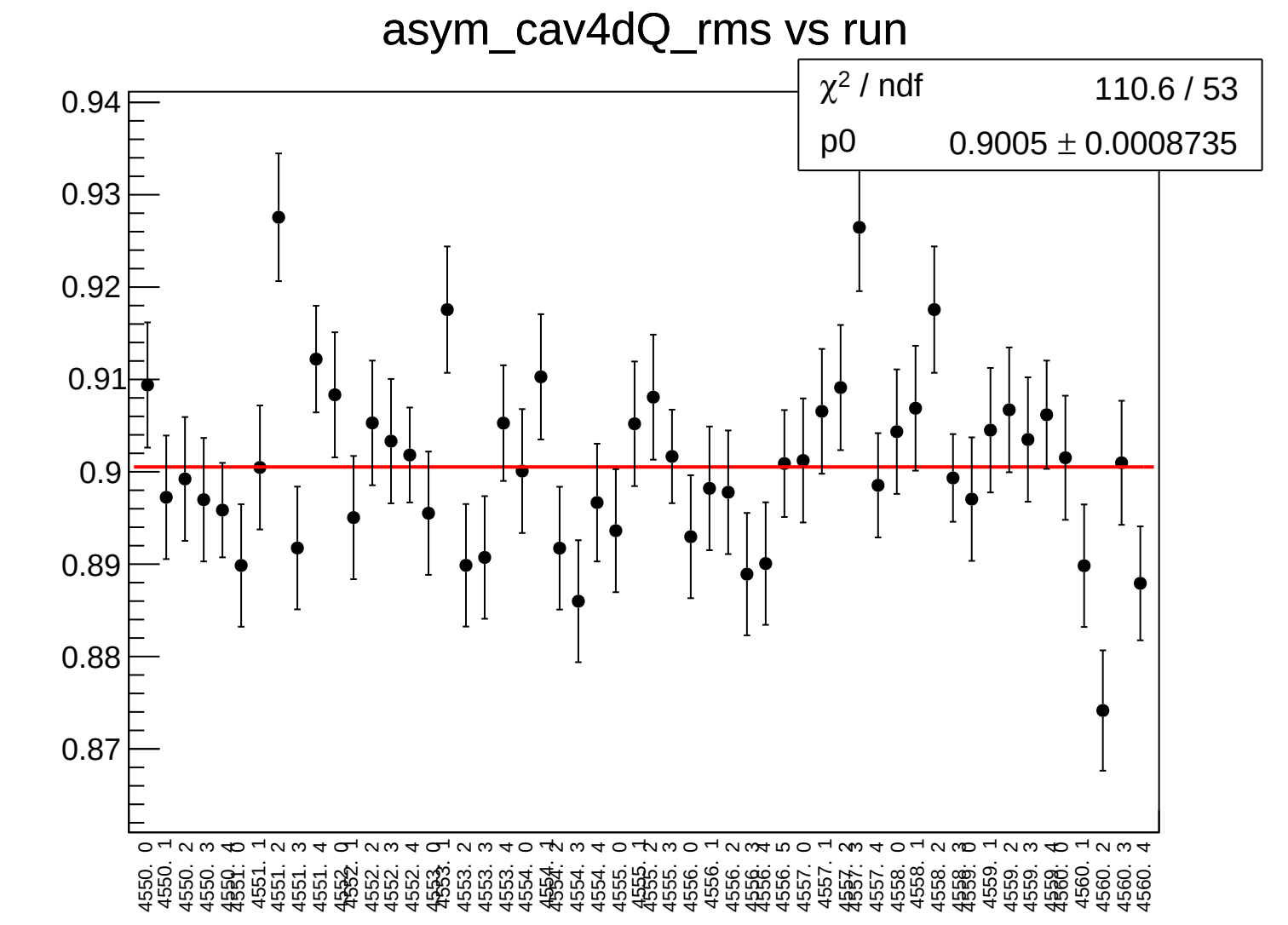
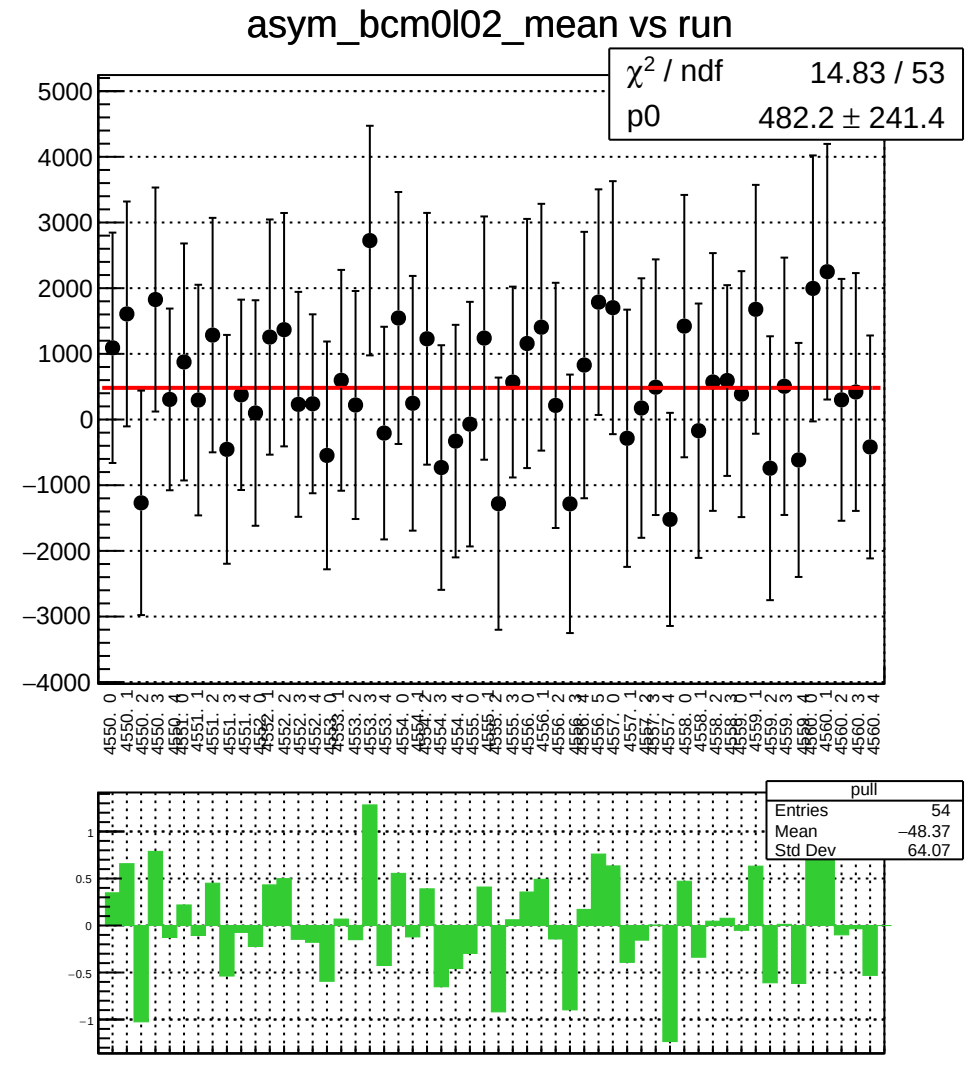
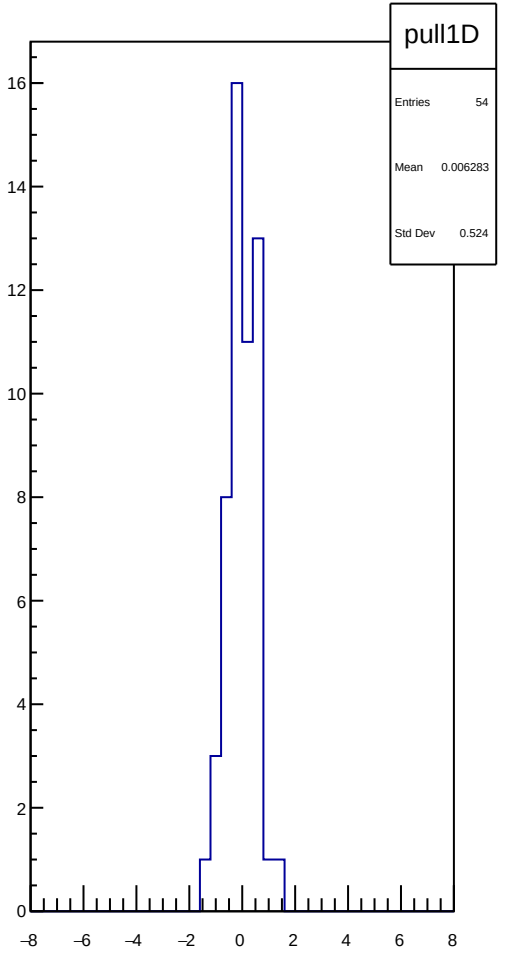
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

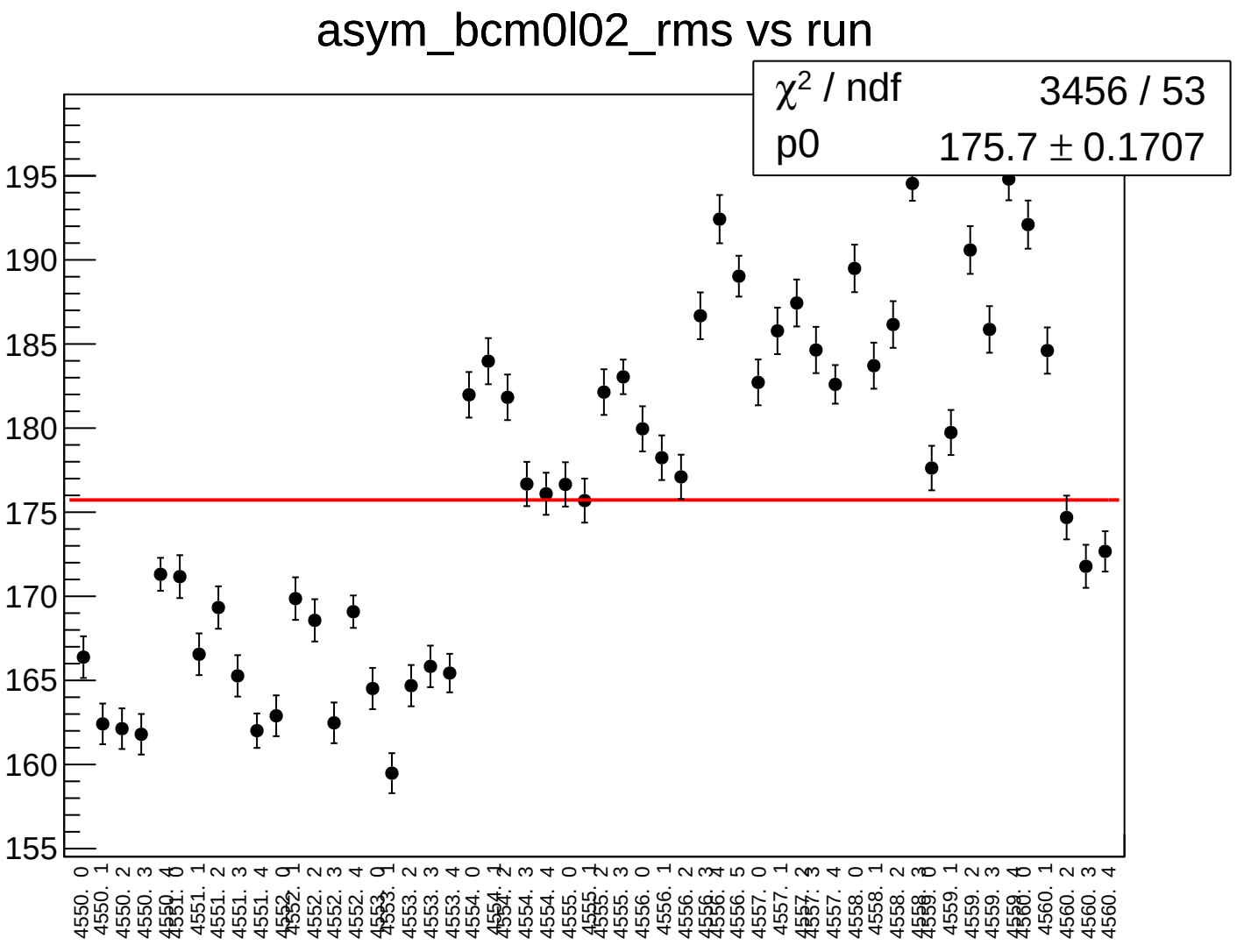

asym_cav4dQ_mean vs run
χ² / ndf 50.99 / 53
p0 −0.2631 ± 1.235
pull
Entries 54
Mean 90.96
Std Dev 74.22

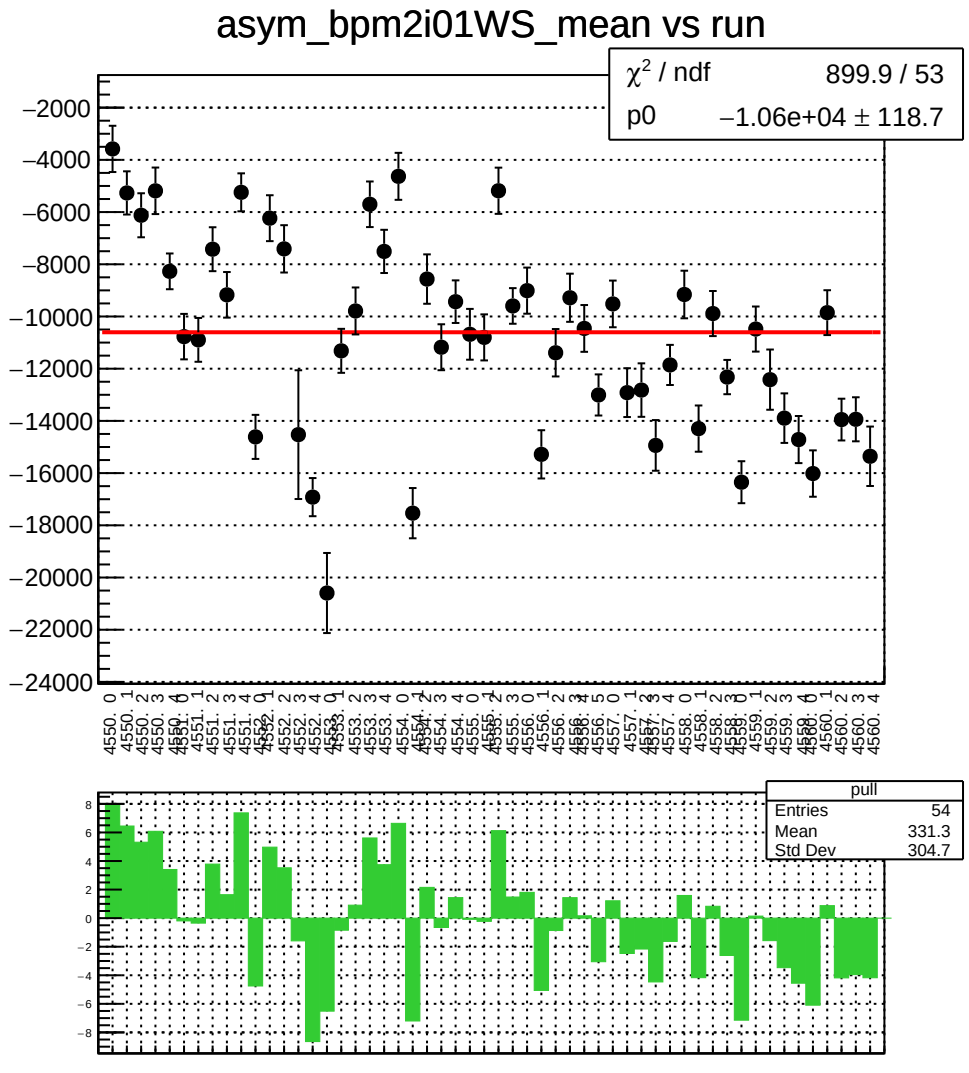

pull1D
Entries 54
Mean −0.0196
Std Dev 0.9716

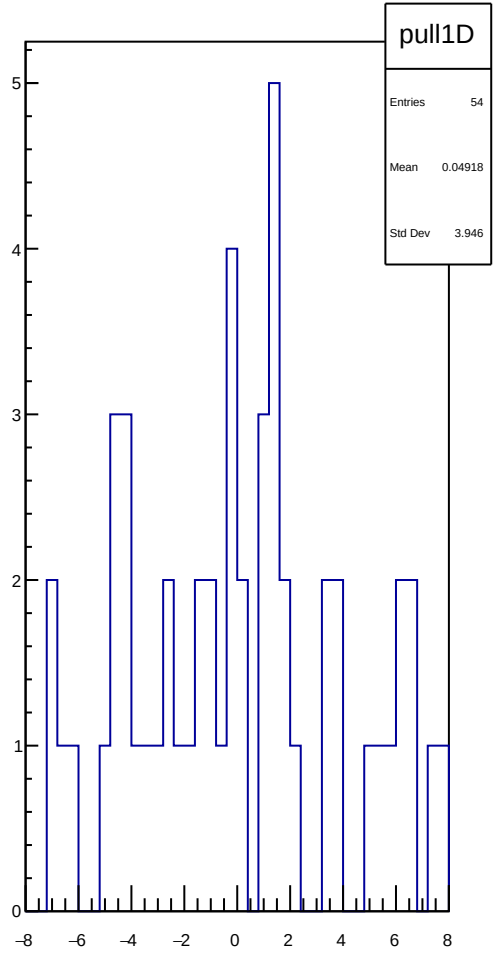

asym_cav4dQ_rms vs run
χ² / ndf 110.6 / 53
p0 0.9005 ± 0.0008735
0.94
0.93
0.92
0.91
0.9
0.89
0.88
0.87

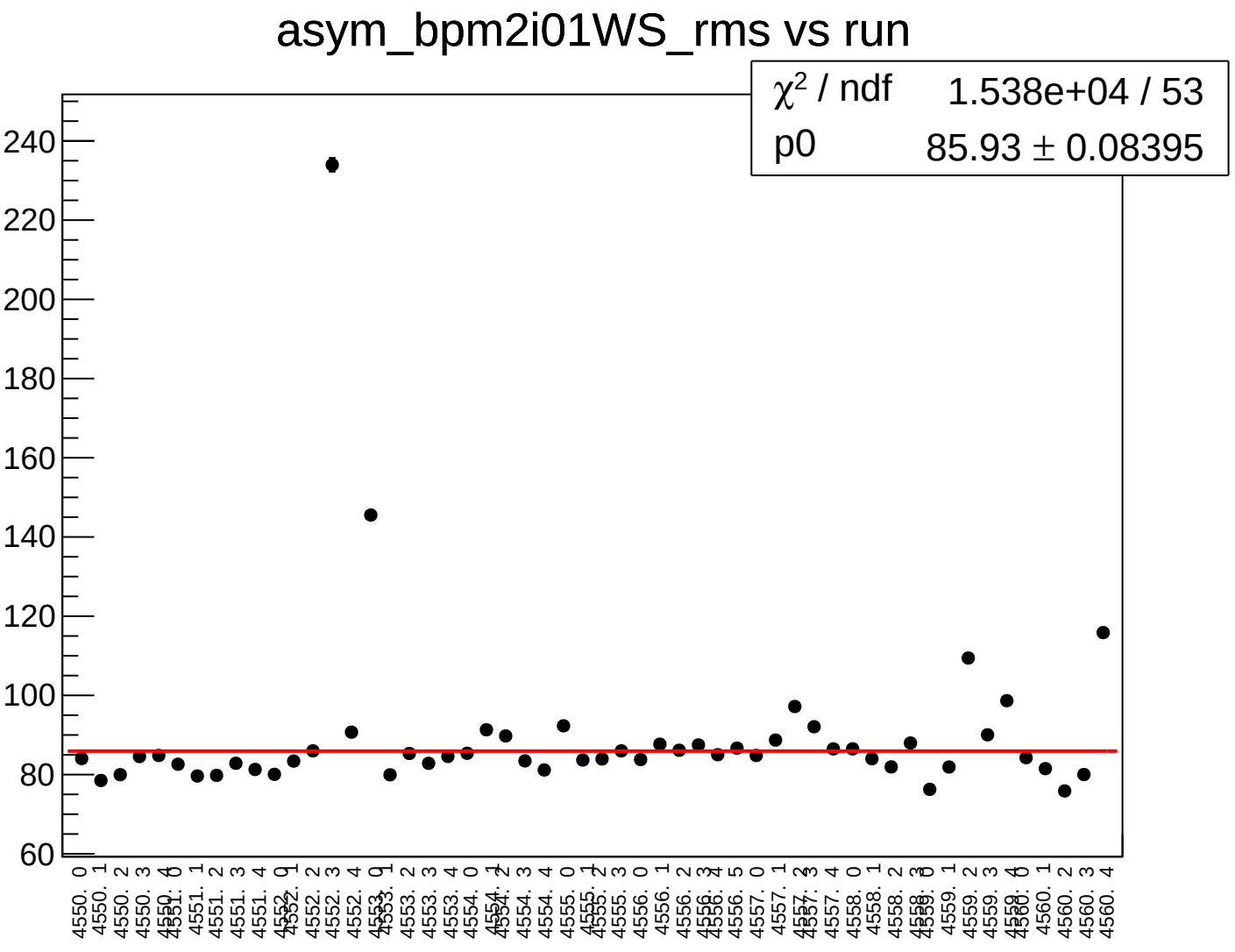

asym_bcm0l02_mean vs run
χ² / ndf 14.83 / 53
p0 482.2 ± 241.4
pull
Entries 54
Mean −48.37
Std Dev 64.07


pull1D
Entries 54
Mean 0.006283
Std Dev 0.524


asym_bcm0l02_rms vs run
χ² / ndf 3456 / 53
p0 175.7 ± 0.1707
195
190
185
180
175
170
165
160
155


asym_bpm2i01WS_mean vs run
χ² / ndf 899.9 / 53
p0 −1.06e+04 ± 118.7
pull
Entries 54
Mean 331.3
Std Dev 304.7


pull1D
Entries 54
Mean 0.04918
Std Dev 3.946


asym_bpm2i01WS_rms vs run
χ² / ndf 1.538e+04 / 53
p0 85.93 ± 0.08395
240
220
200
180
160
140
120
100
80
60
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
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4554. 1
4554. 2
4554. 3
4554. 4
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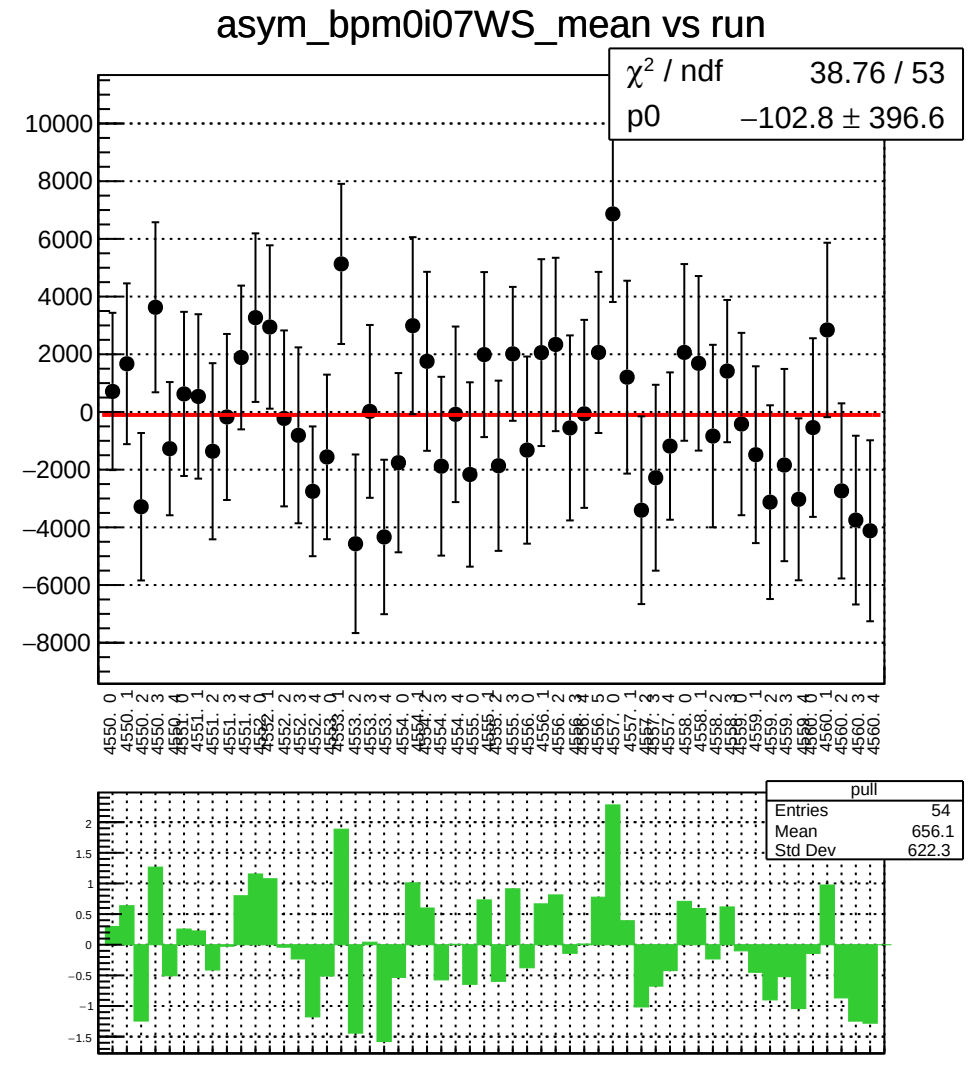
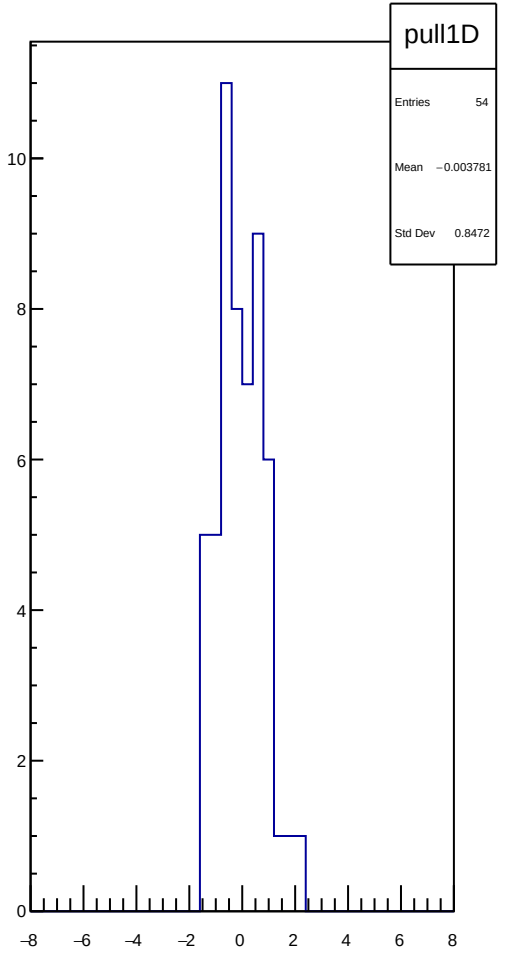
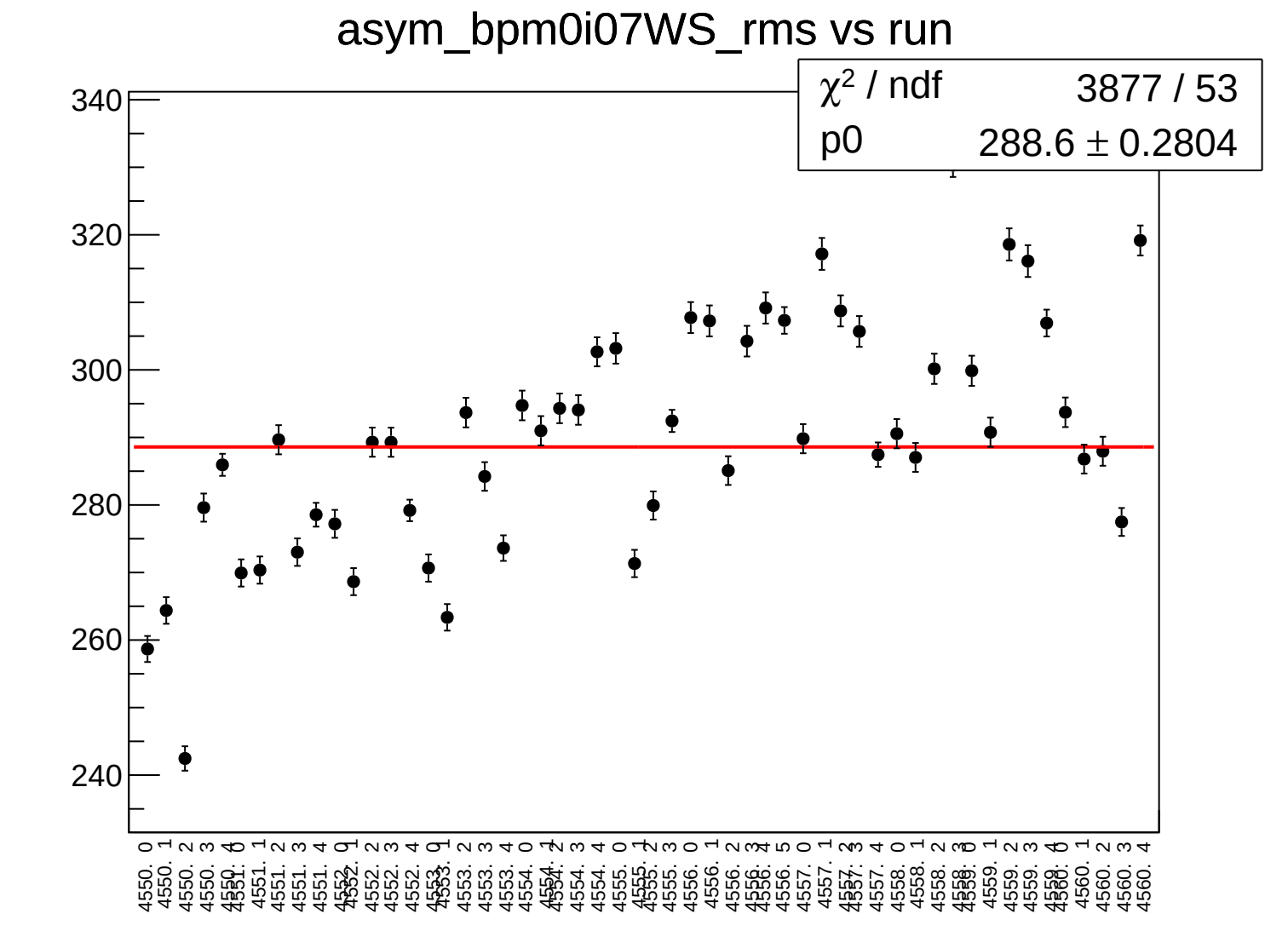
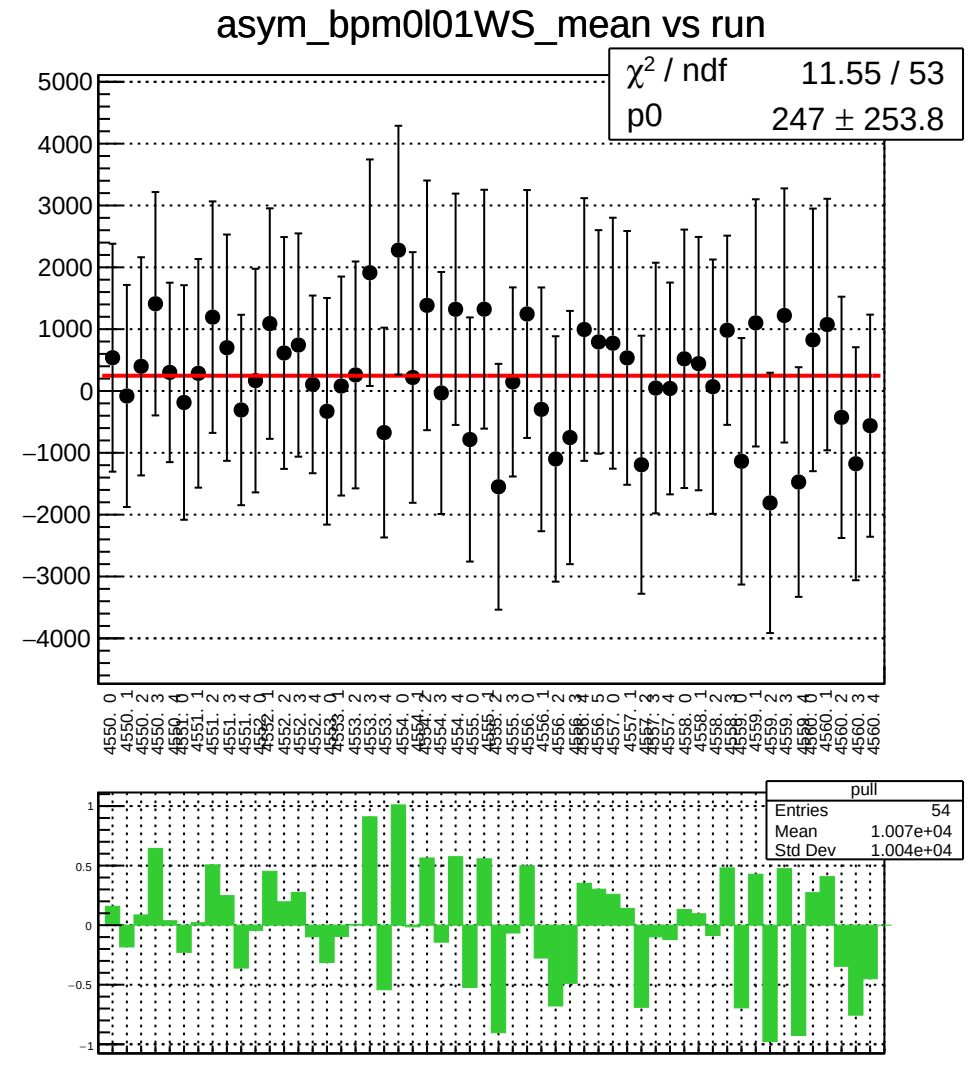
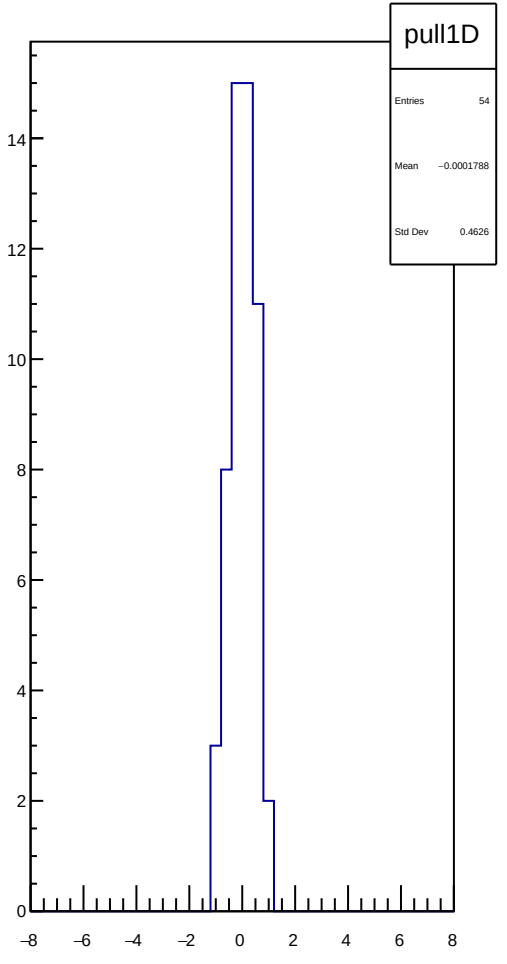
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

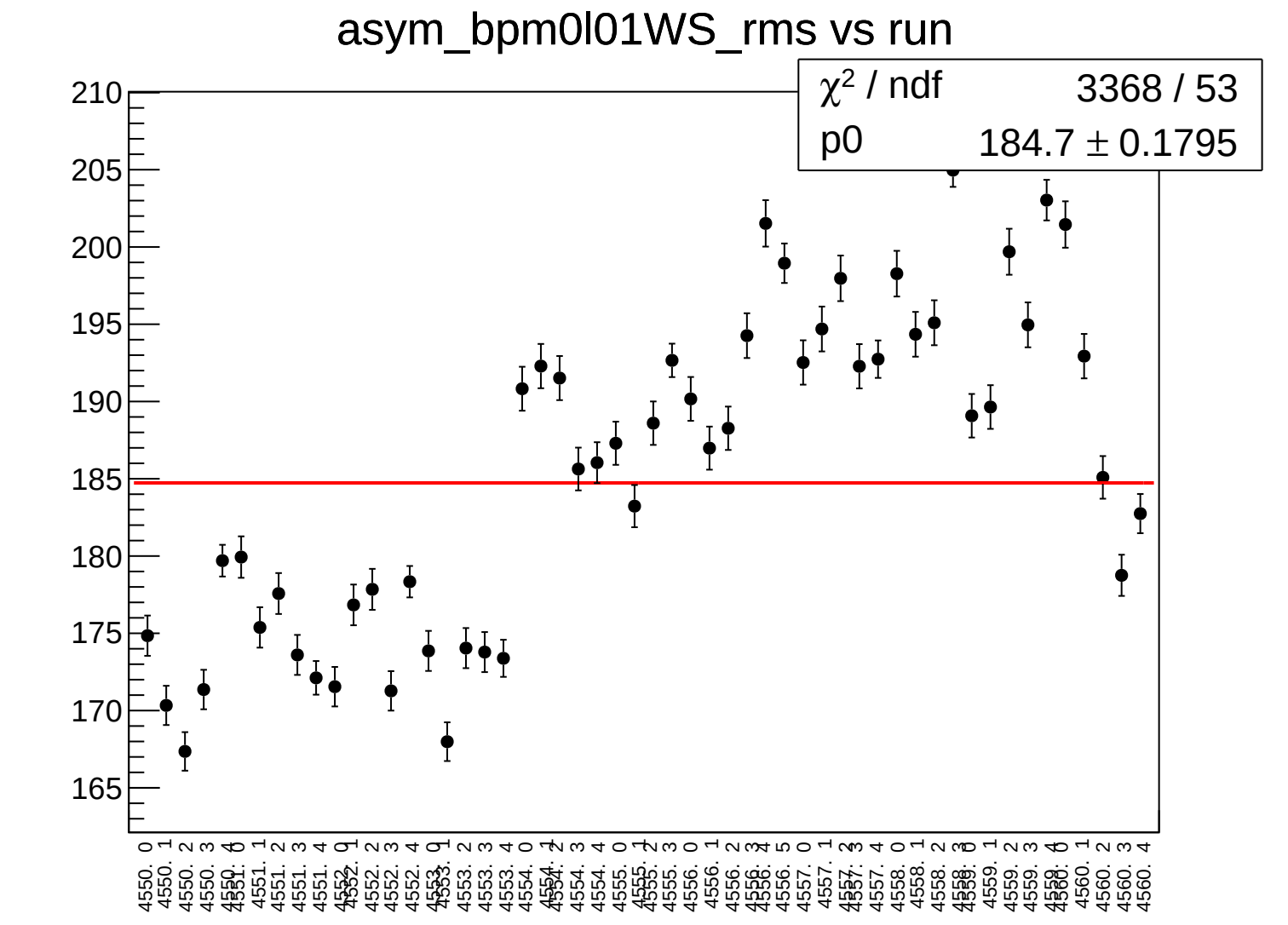

asym_bpm0i07WS_mean vs run
χ² / ndf 38.76 / 53
p0 −102.8 ± 396.6
pull
Entries 54
Mean 656.1
Std Dev 622.3


pull1D
Entries 54
Mean −0.003781
Std Dev 0.8472


asym_bpm0i07WS_rms vs run
χ² / ndf 3877 / 53
p0 288.6 ± 0.2804
340
320
300
280
260
240


asym_bpm0l01WS_mean vs run
χ² / ndf 11.55 / 53
p0 247 ± 253.8
pull
Entries 54
Mean 1.007e+04
Std Dev 1.004e+04


pull1D
Entries 54
Mean −0.0001788
Std Dev 0.4626


asym_bpm0l01WS_rms vs run
χ² / ndf 3368 / 53
p0 184.7 ± 0.1795
210
205
200
195
190
185
180
175
170
165
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
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4552. 3
4552. 4
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4553. 1
4553. 2
4553. 3
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4554. 1
4554. 2
4554. 3
4554. 4
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4558. 2
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4558. 4
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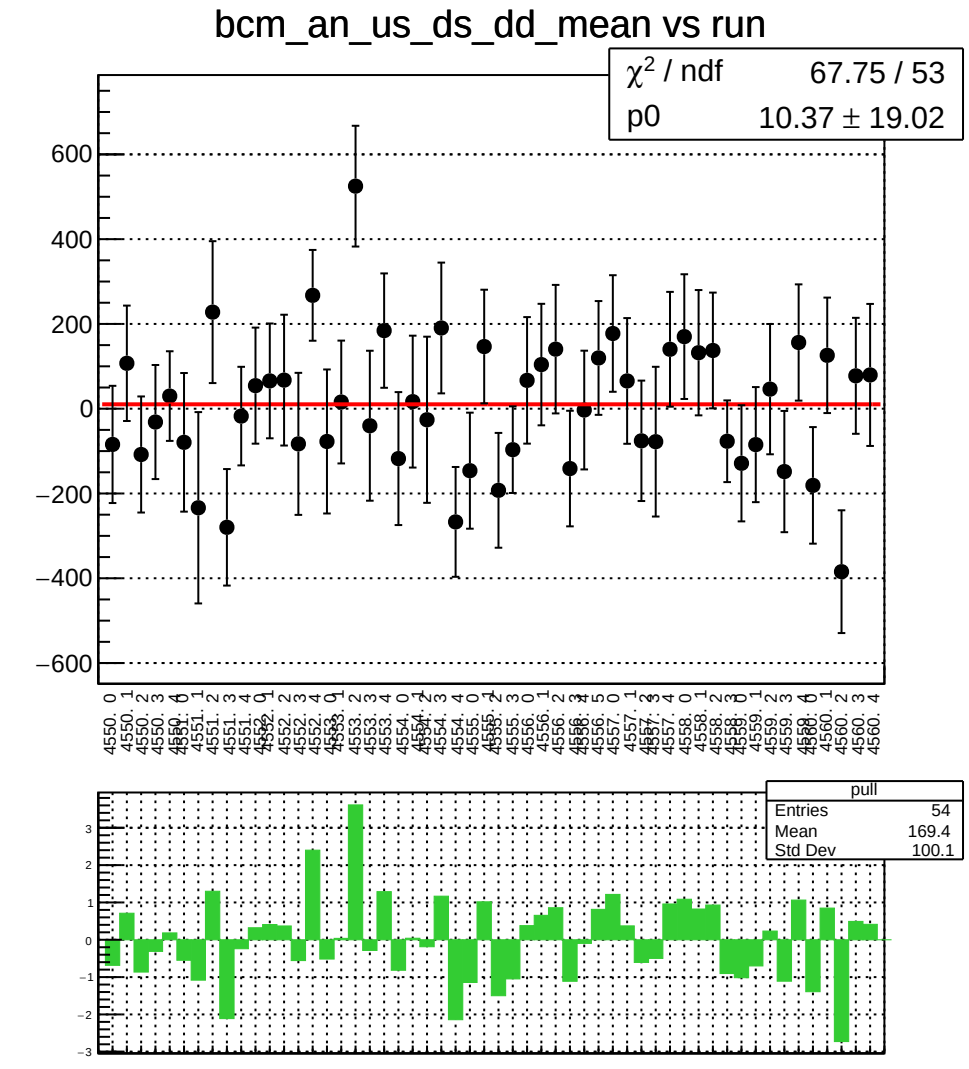
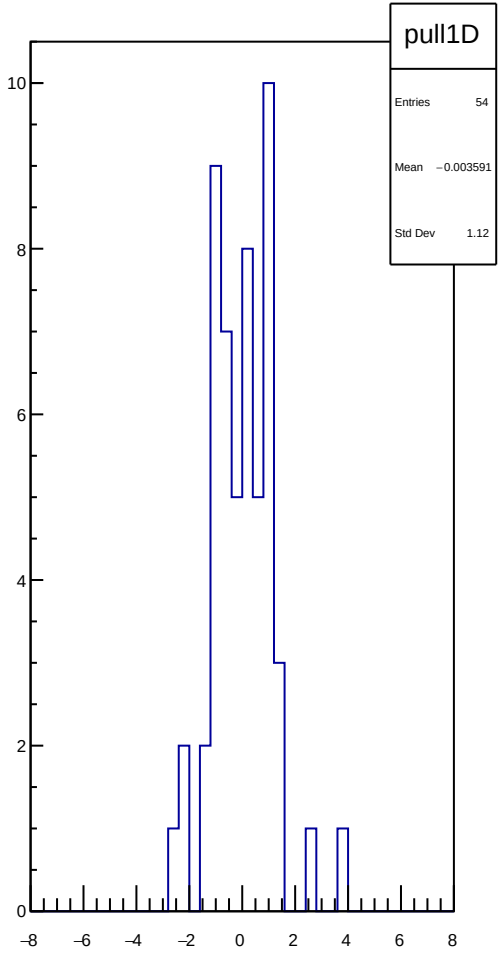
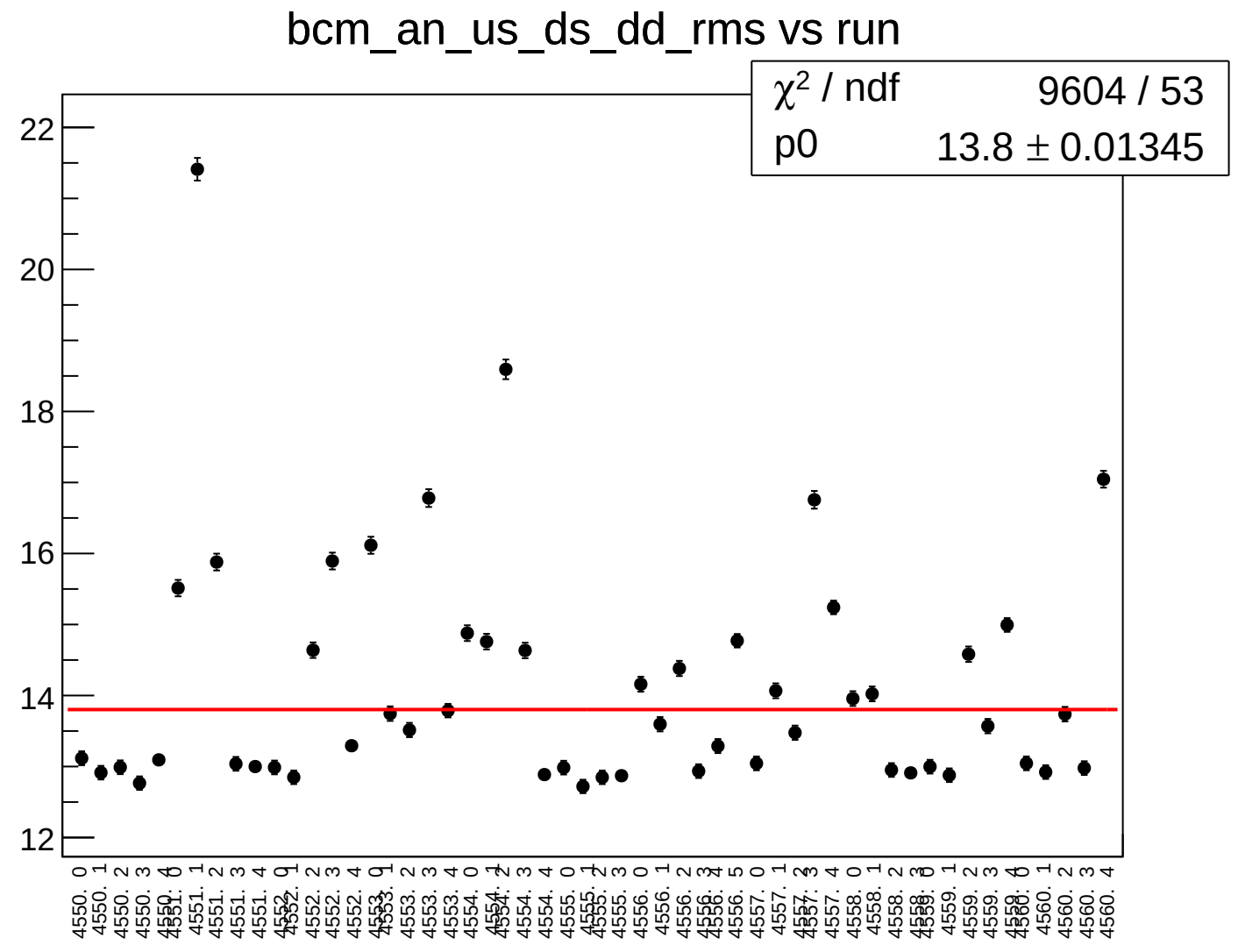
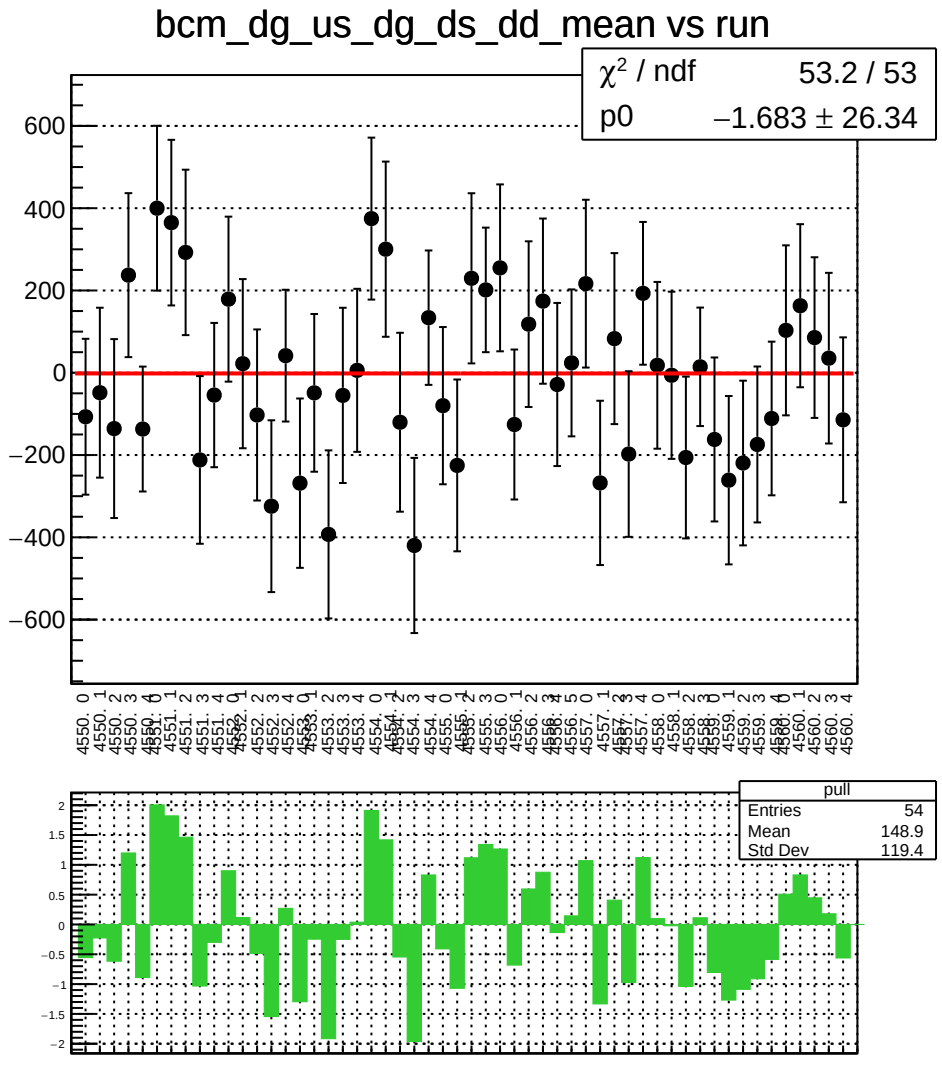
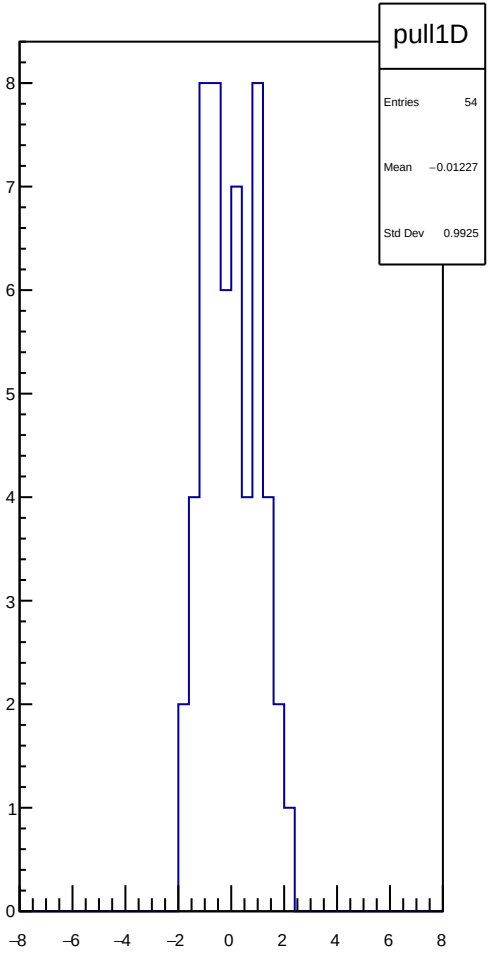
4560. 2
4560. 3
4560. 4

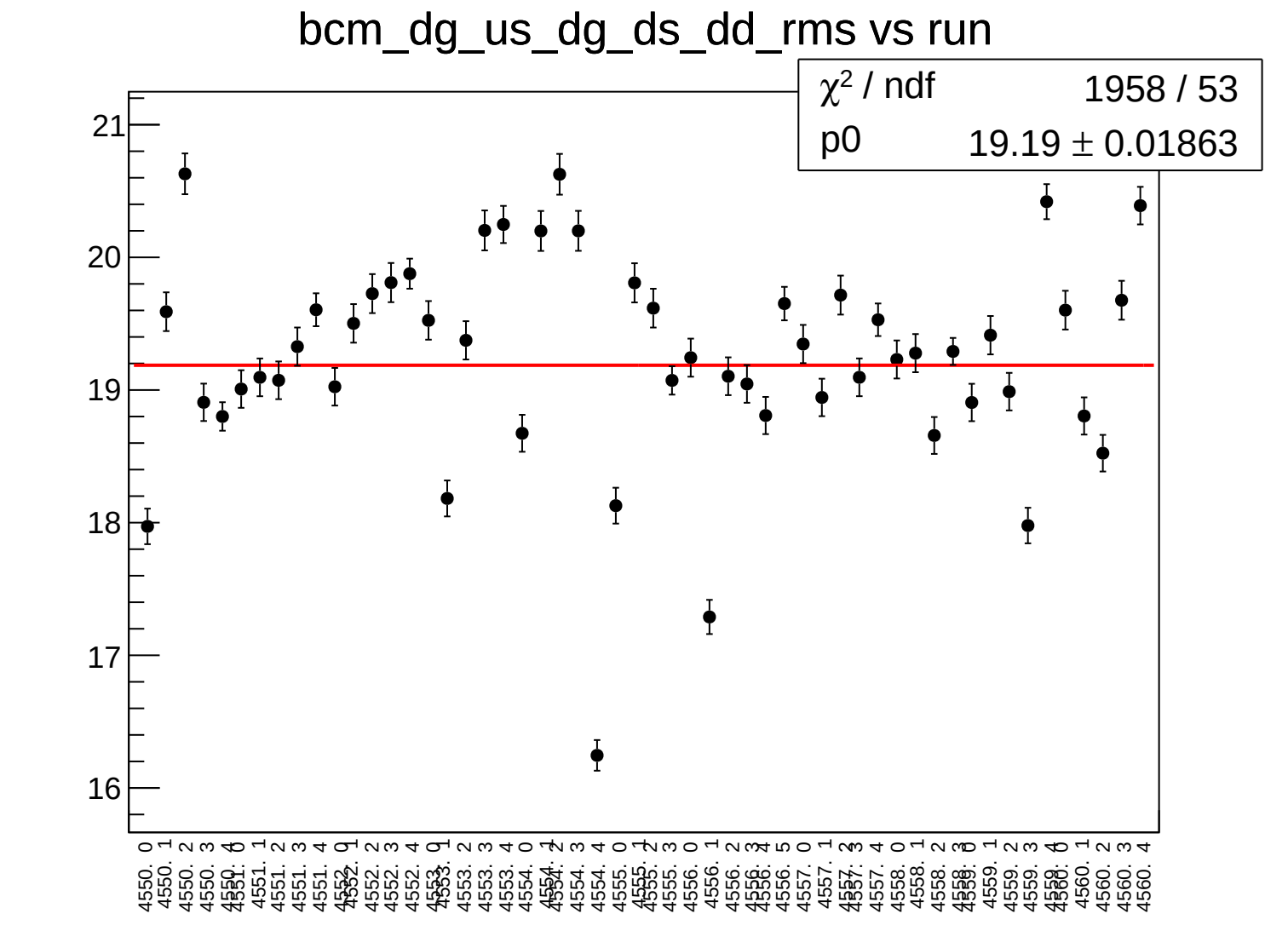

bcm_an_us_ds_dd_mean vs run
χ^2 / ndf 67.75 / 53
p0 10.37 ± 19.02
pull
Entries 54
Mean 169.4
Std Dev 100.1


pull1D
Entries 54
Mean −0.003591
Std Dev 1.12


bcm_an_us_ds_dd_rms vs run
χ² / ndf 9604 / 53
p0 13.8 ± 0.01345
22
20
18
16
14
12


bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 53.2 / 53
p0 −1.683 ± 26.34
pull
Entries 54
Mean 148.9
Std Dev 119.4


pull1D
Entries 54
Mean −0.01227
Std Dev 0.9925


bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1958 / 53
p0 19.19 ± 0.01863
21
20
19
18
17
16
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
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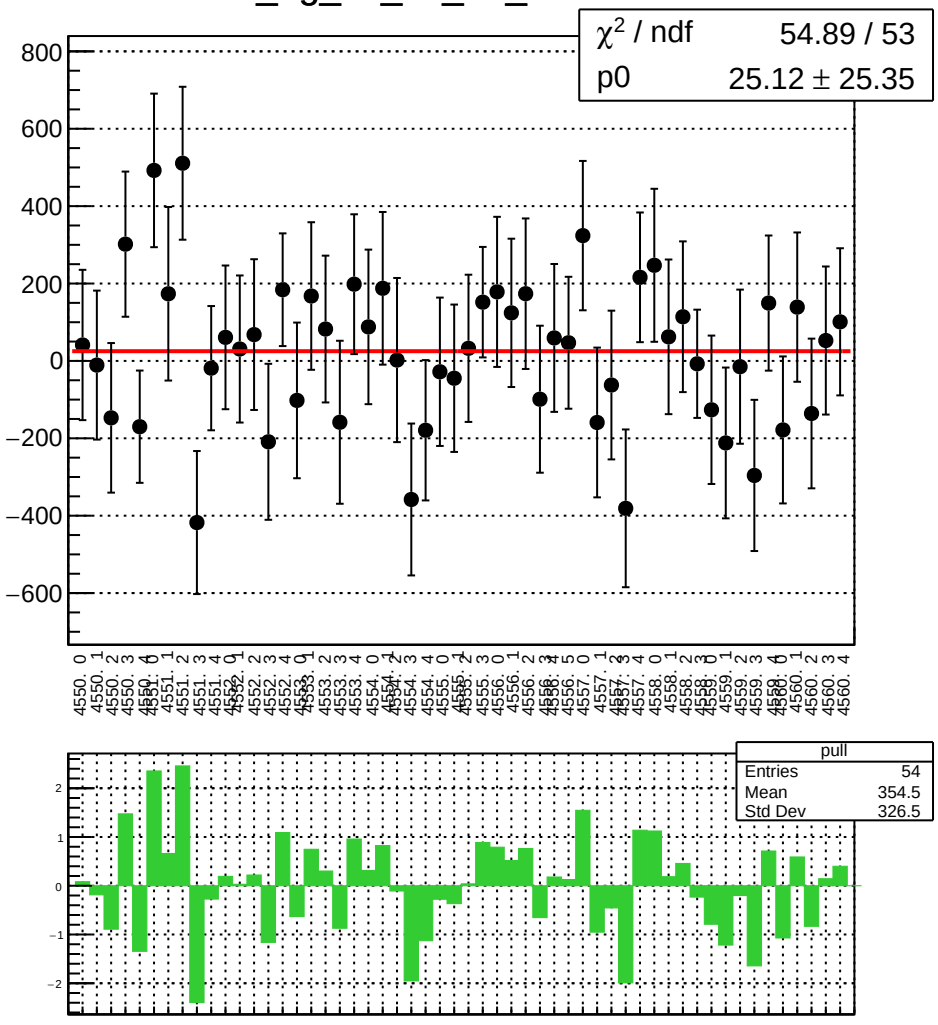
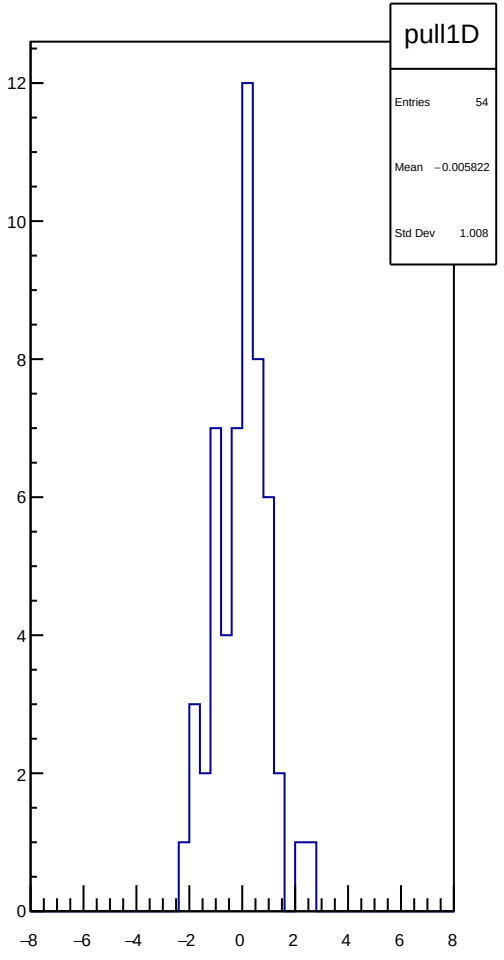
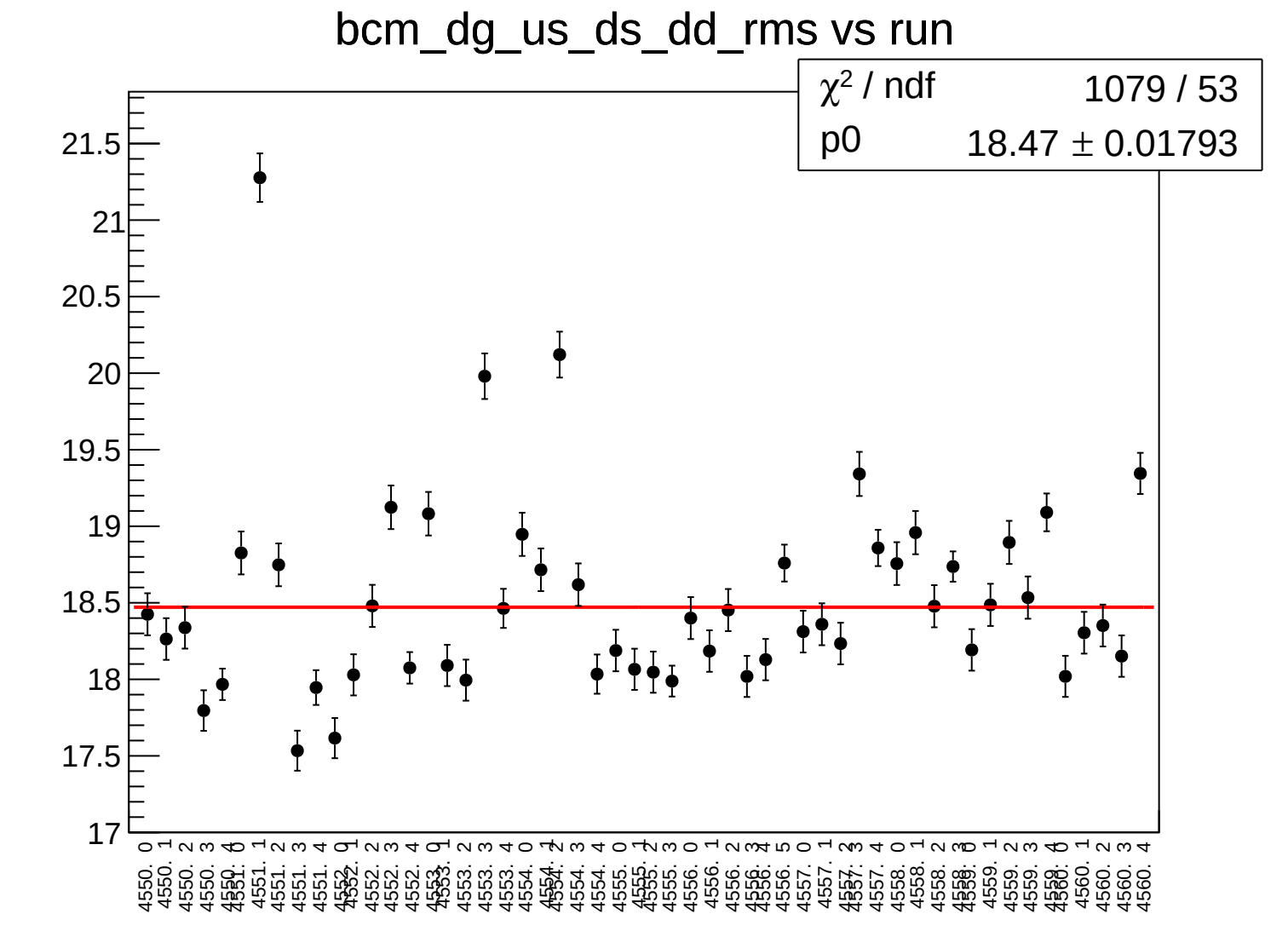
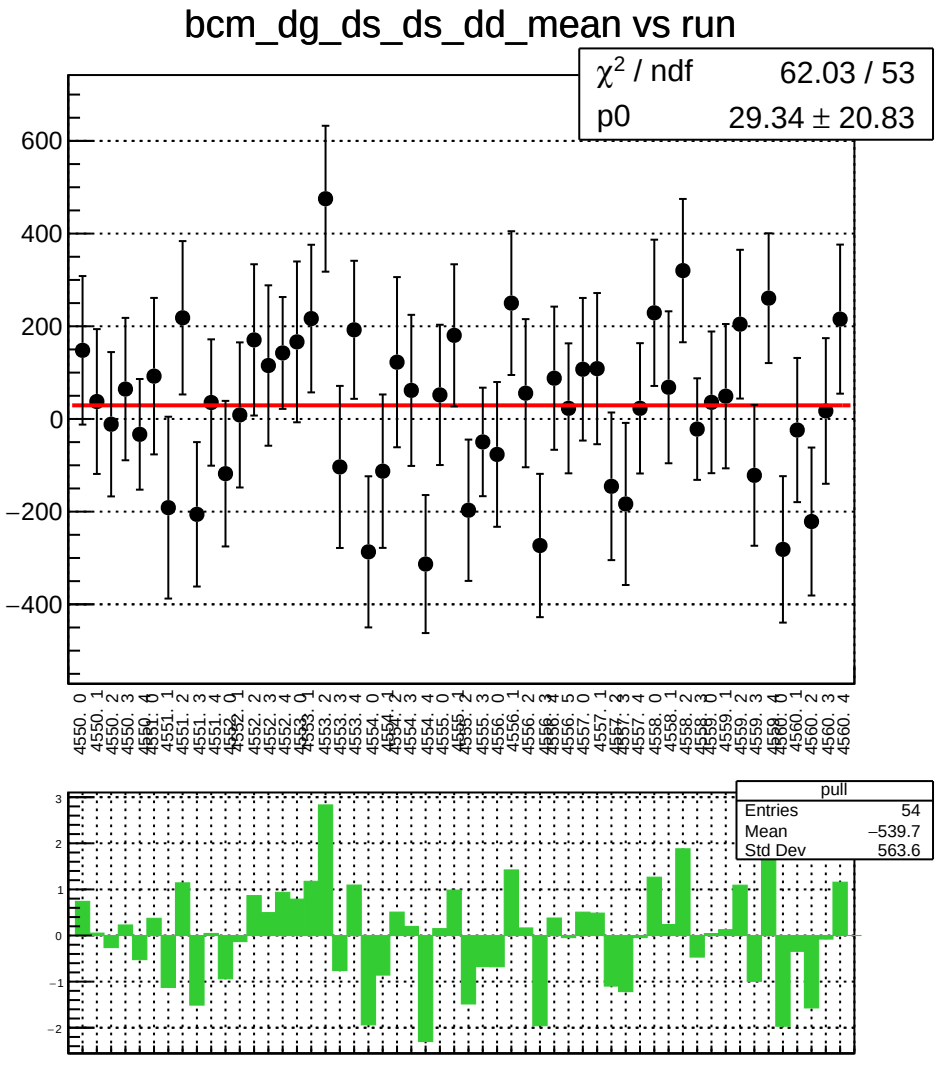
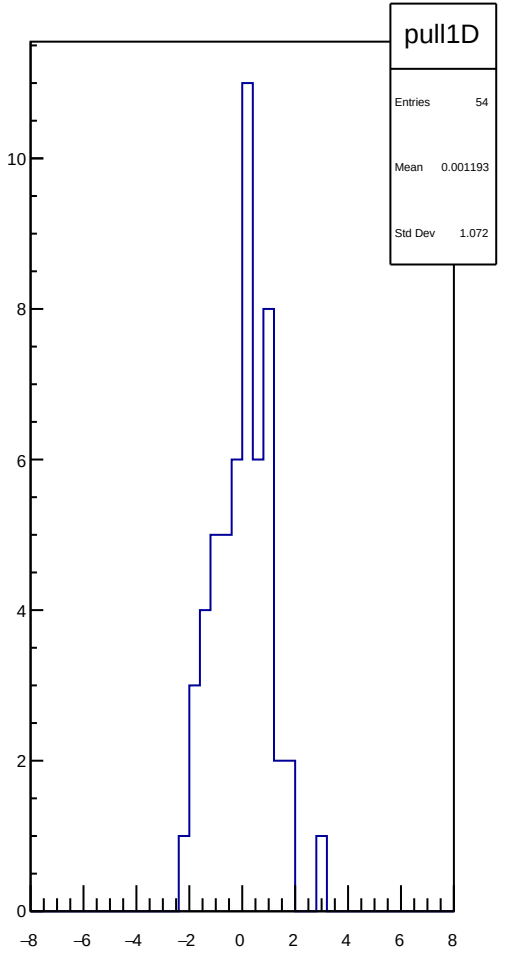
4560. 4

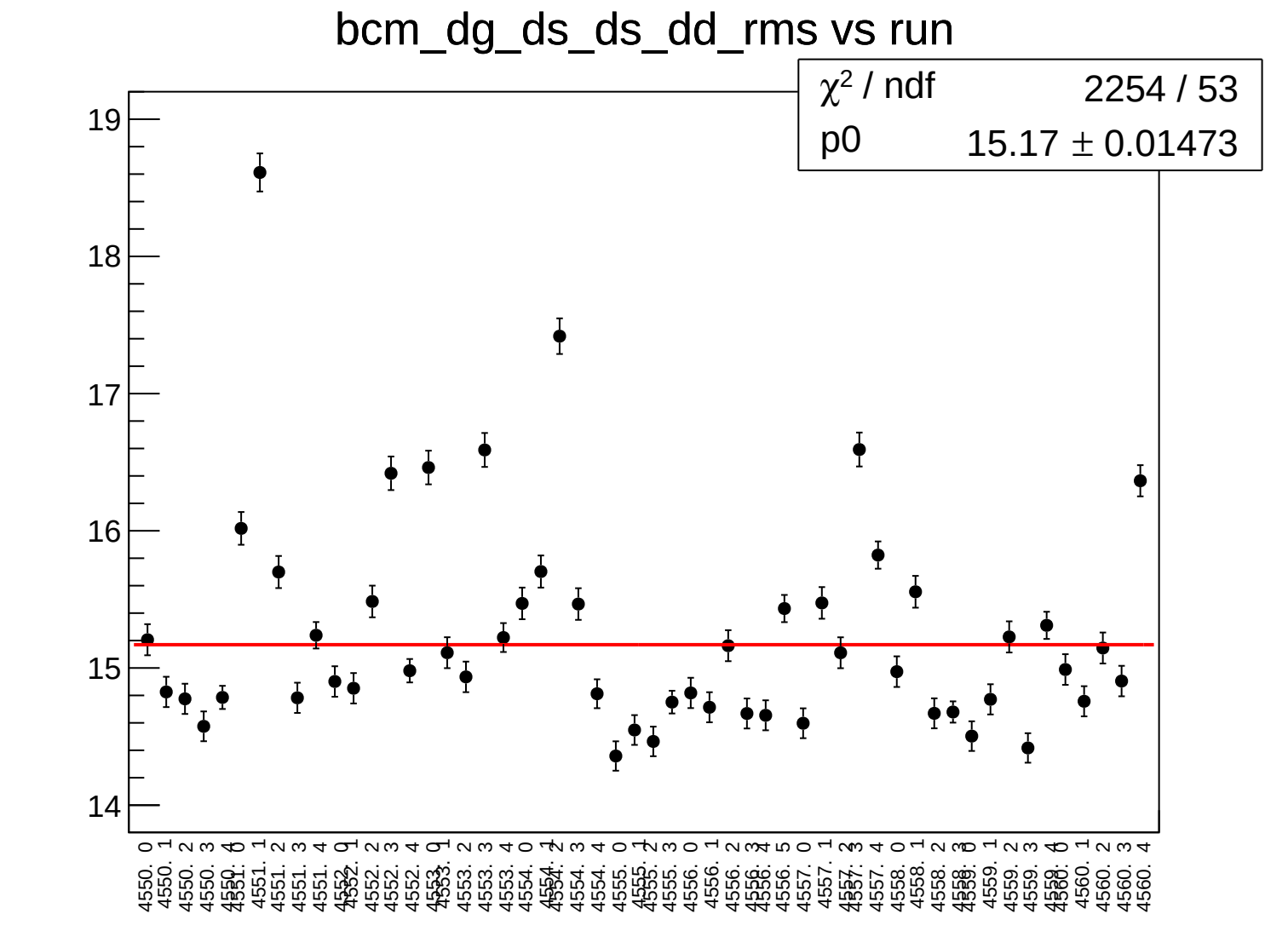

bcm_dg_us_ds_dd_mean vs run
χ^2 / ndf 54.89 / 53
p0 25.12 ± 25.35
pull
Entries 54
Mean 354.5
Std Dev 326.5

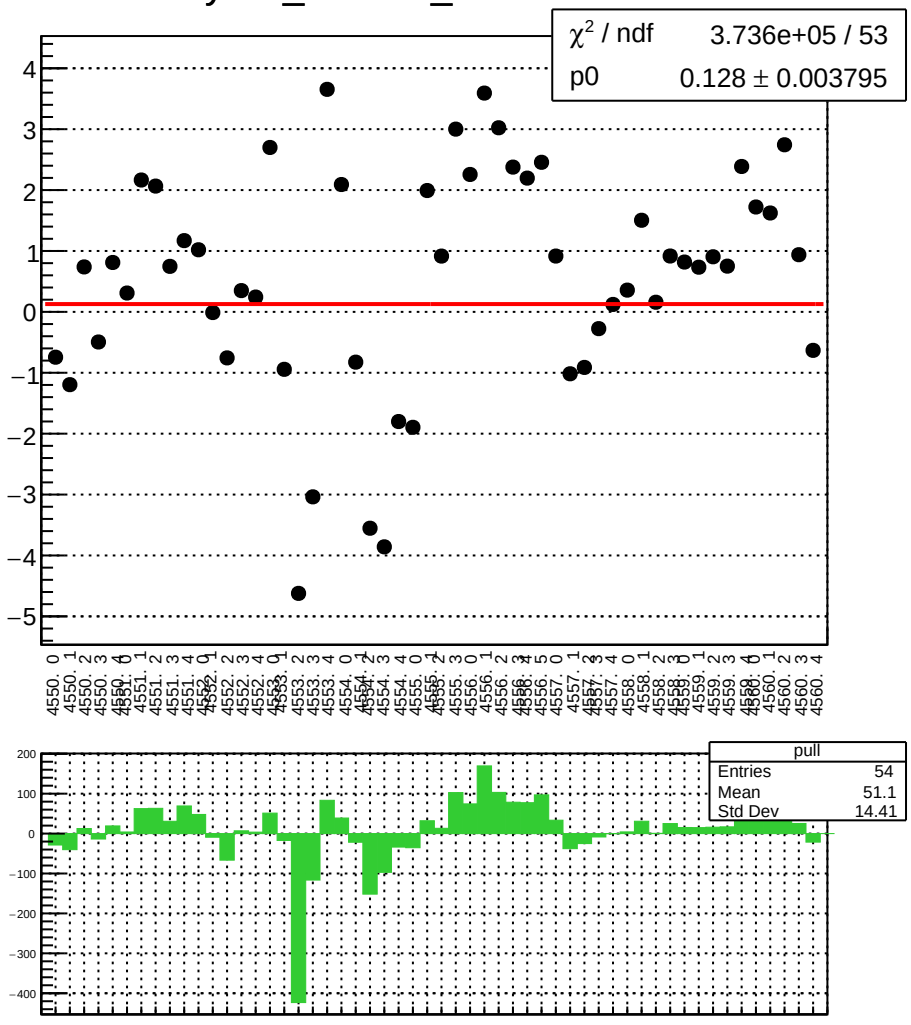

pull1D
Entries 54
Mean −0.005822
Std Dev 1.008

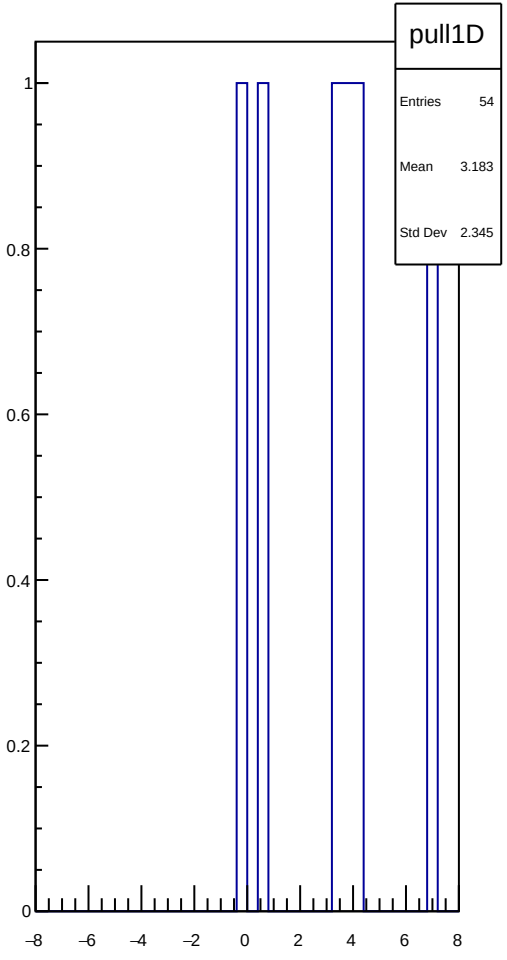

bcm_dg_us_ds_dd_rms vs run
χ² / ndf 1079 / 53
p0 18.47 ± 0.01793
21.5
21
20.5
20
19.5
19
18.5
18
17.5
17

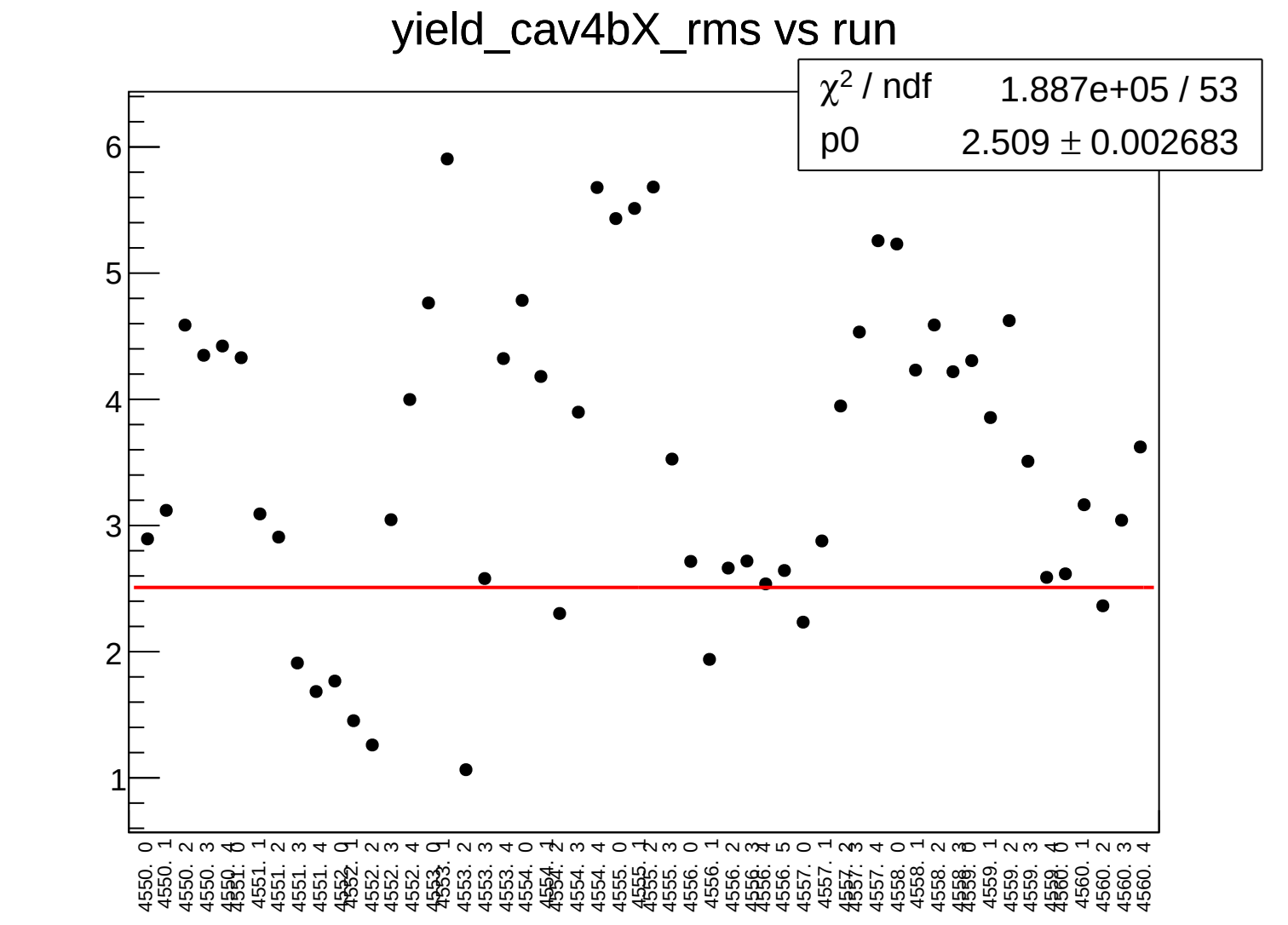

bcm_dg_ds_ds_dd_mean vs run
χ^2 / ndf 62.03 / 53
p0 29.34 ± 20.83
pull
Entries 54
Mean −539.7
Std Dev 563.6

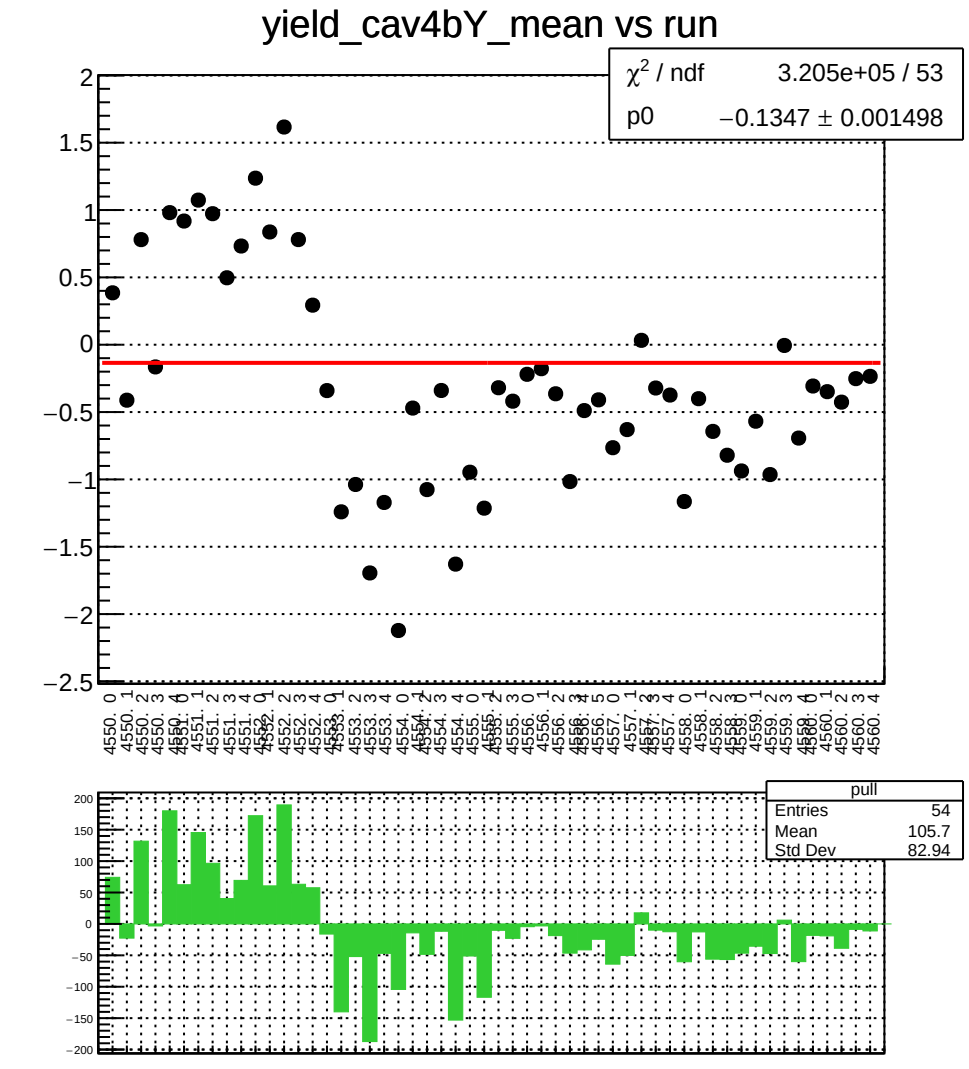

pull1D
Entries 54
Mean 0.001193
Std Dev 1.072

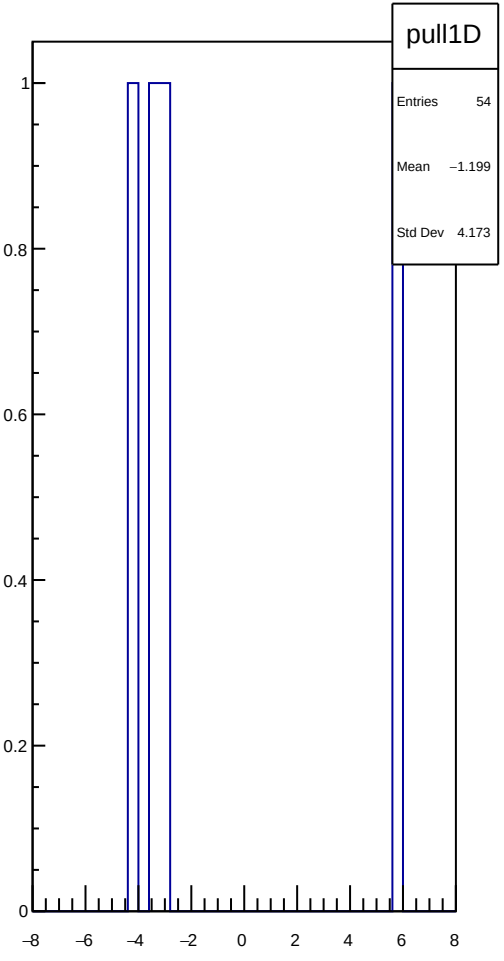

bcm_dg_ds_ds_dd_rms vs run
χ² / ndf 2254 / 53
p0 15.17 ± 0.01473
19
18
17
16
15
14

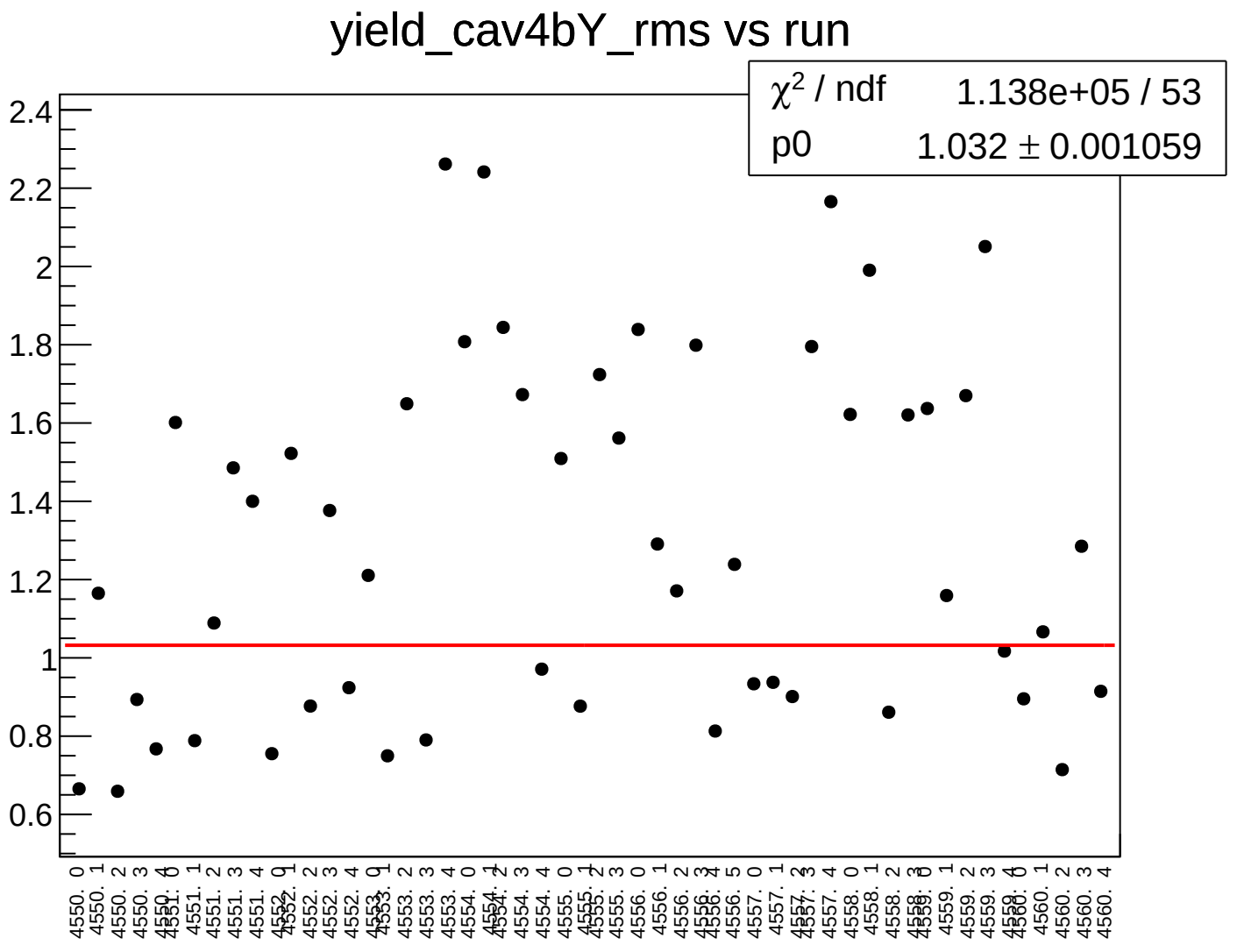

yield_cav4bX_mean vs run
χ² / ndf 3.736e+05 / 53
p0 0.128 ± 0.003795
pull
Entries 54
Mean 51.1
Std Dev 14.41

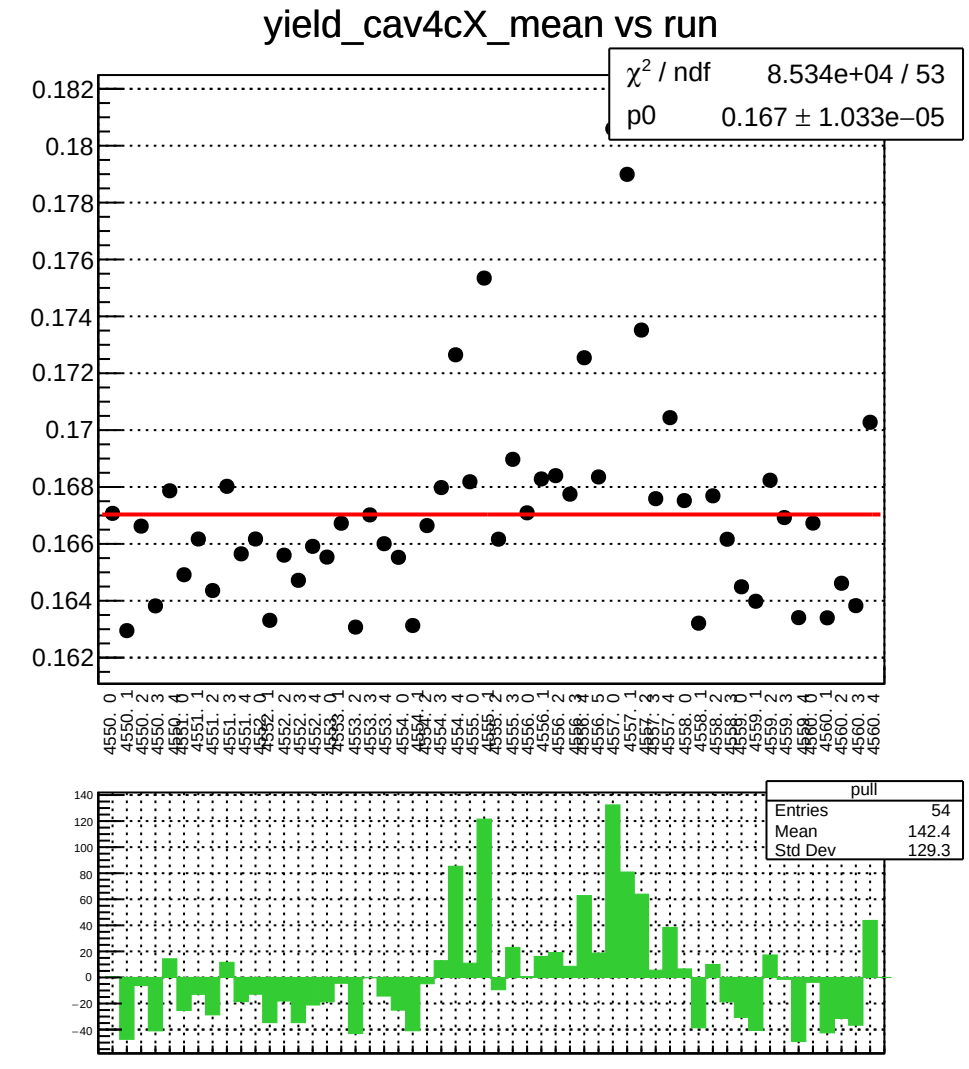

pull1D
Entries 54
Mean 3.183
Std Dev 2.345

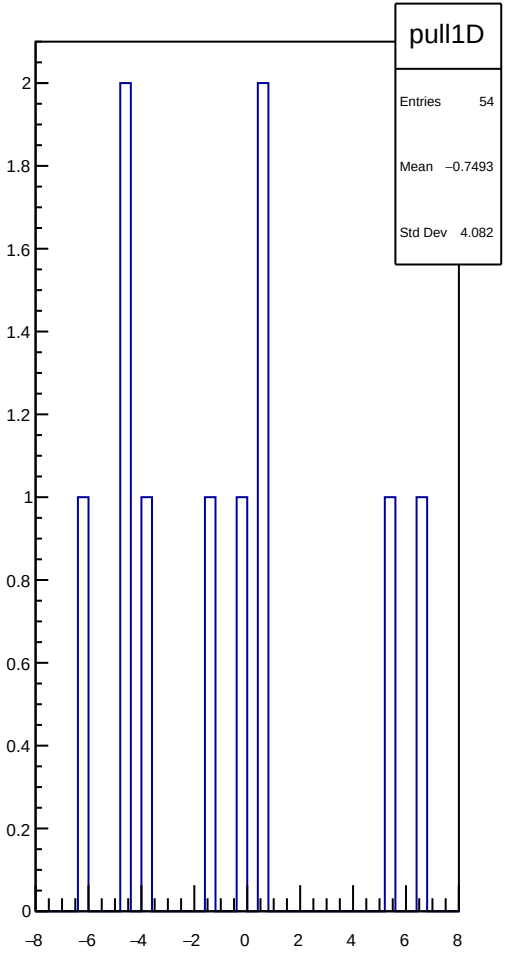

yield_cav4bX_rms vs run
χ² / ndf 1.887e+05 / 53
p0 2.509 ± 0.002683
6
5
4
3
2
1
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

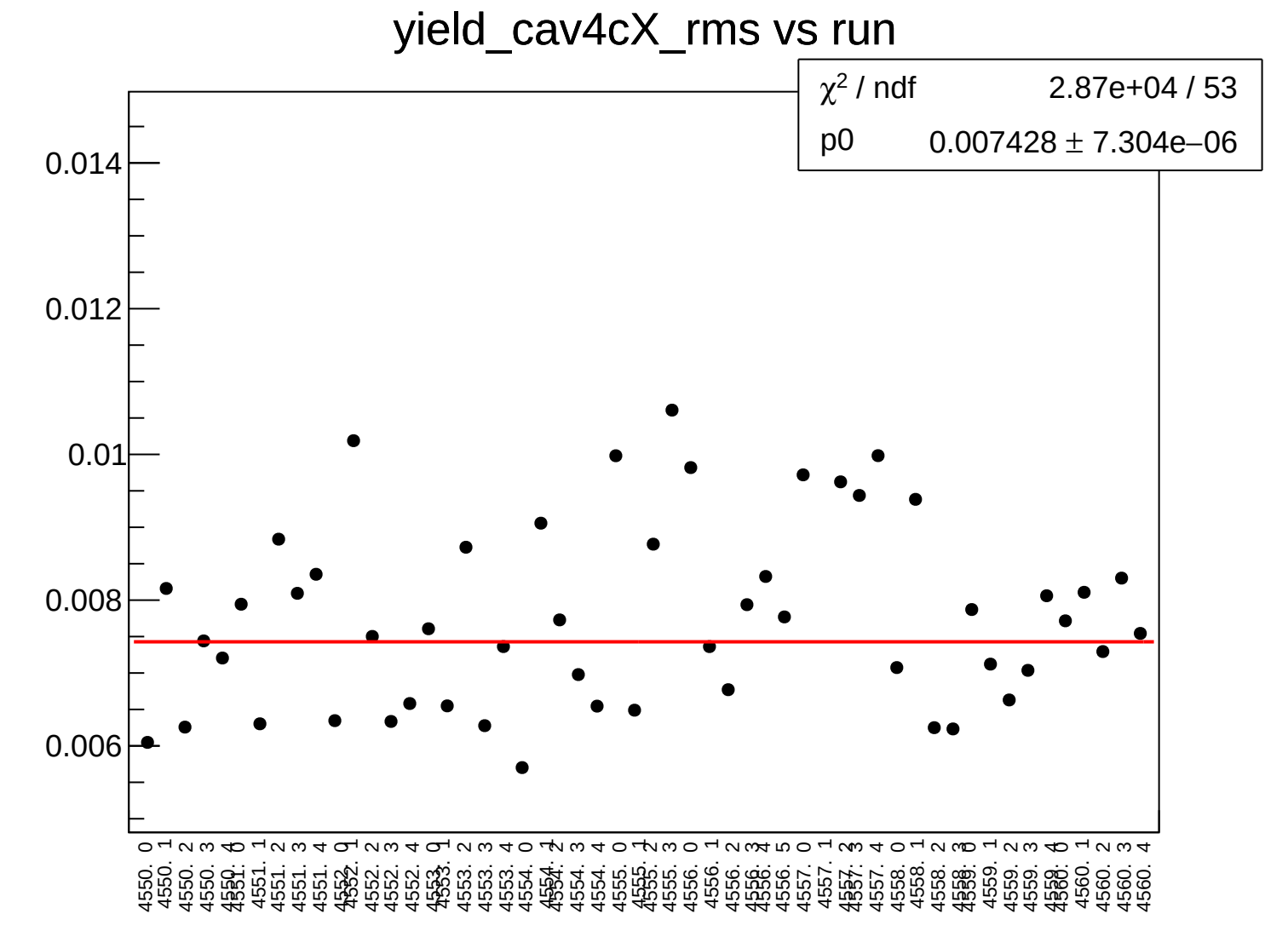

yield_cav4bY_mean vs run
χ² / ndf 3.205e+05 / 53
p0 −0.1347 ± 0.001498
pull
Entries 54
Mean 105.7
Std Dev 82.94

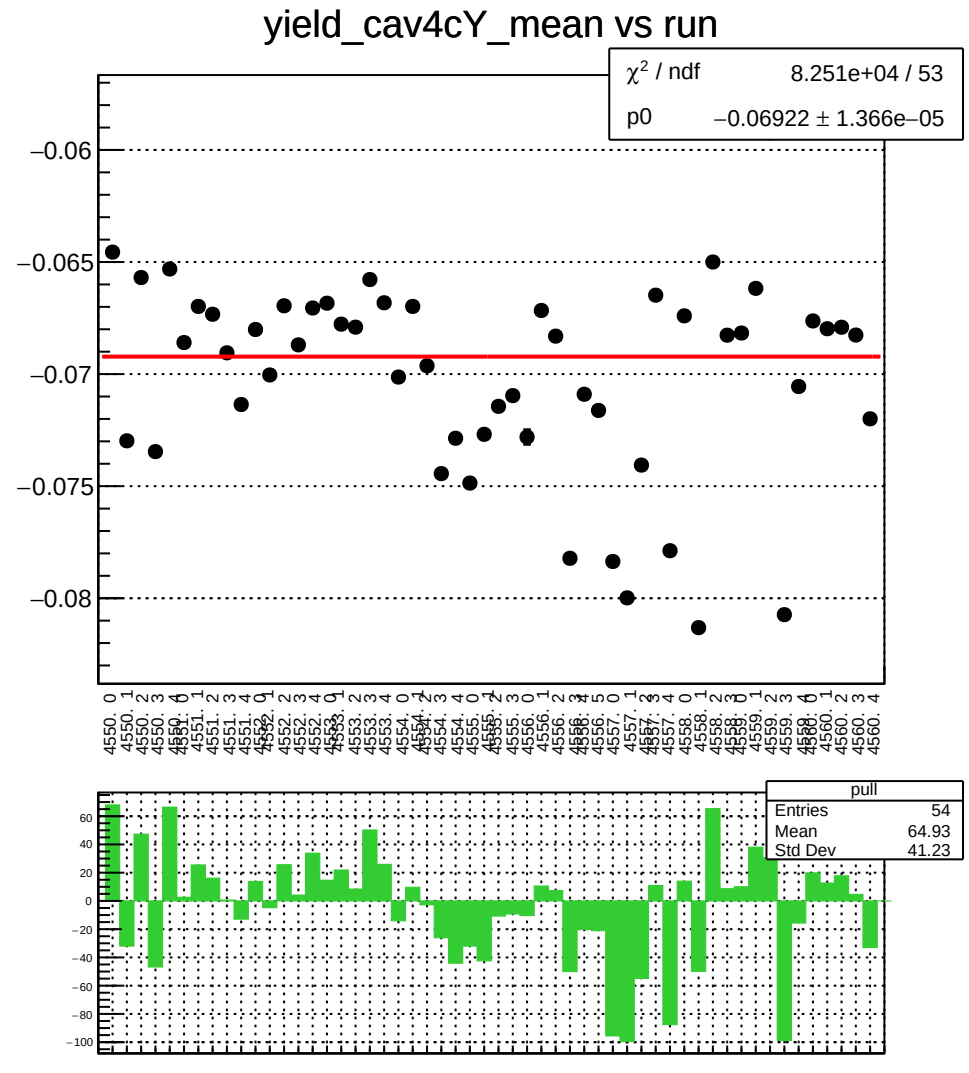

pull1D
Entries 54
Mean −1.199
Std Dev 4.173

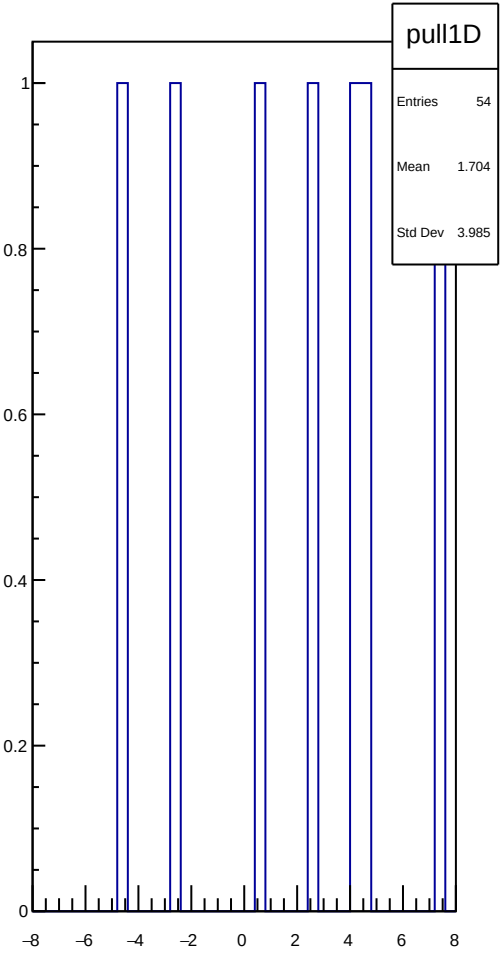

yield_cav4bY_rms vs run
χ^2 / ndf 1.138e+05 / 53
p0 1.032 ± 0.001059
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

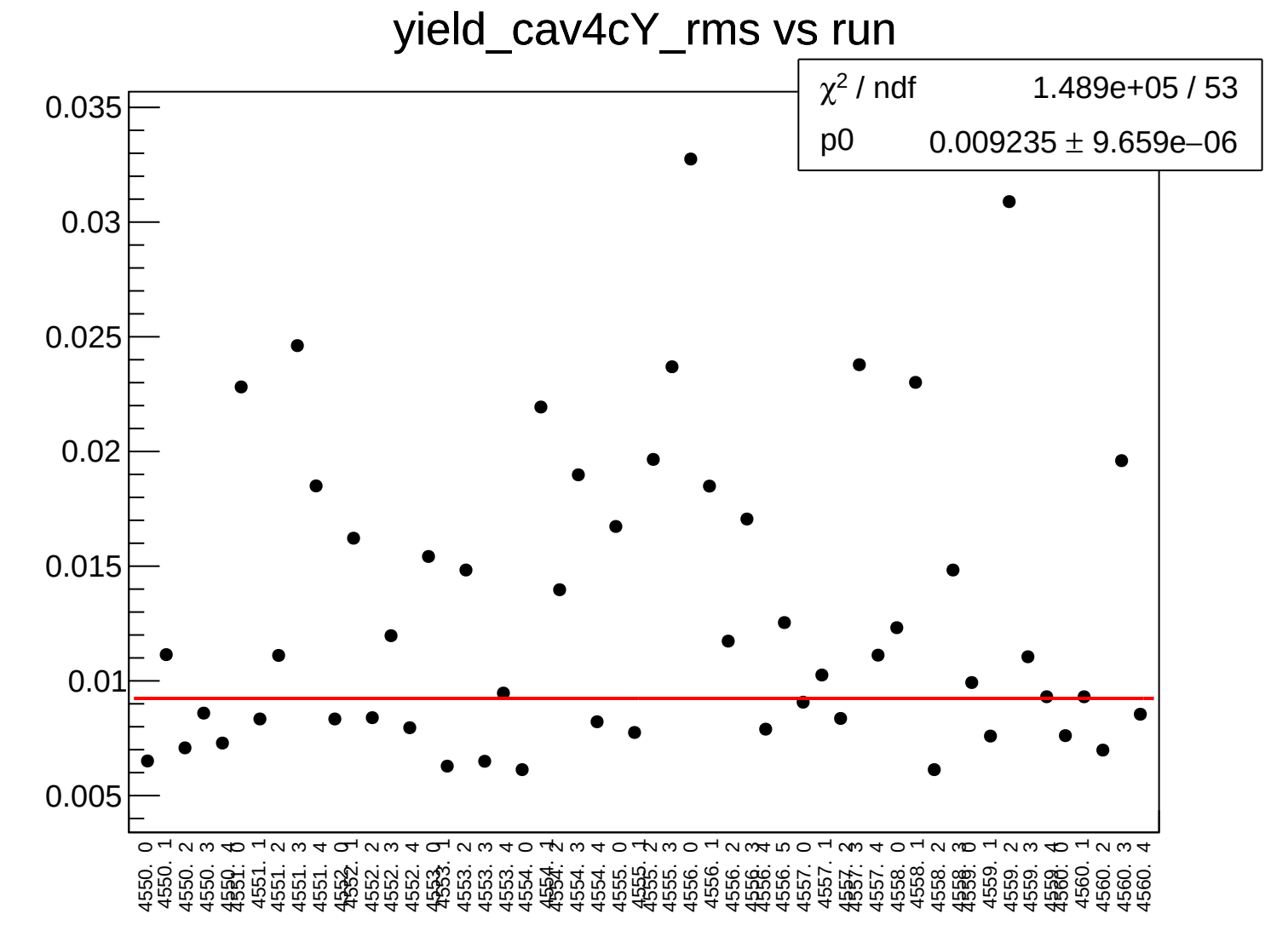

yield_cav4cX_mean vs run
χ² / ndf 8.534e+04 / 53
p0 0.167 ± 1.033e−05
pull
Entries 54
Mean 142.4
Std Dev 129.3

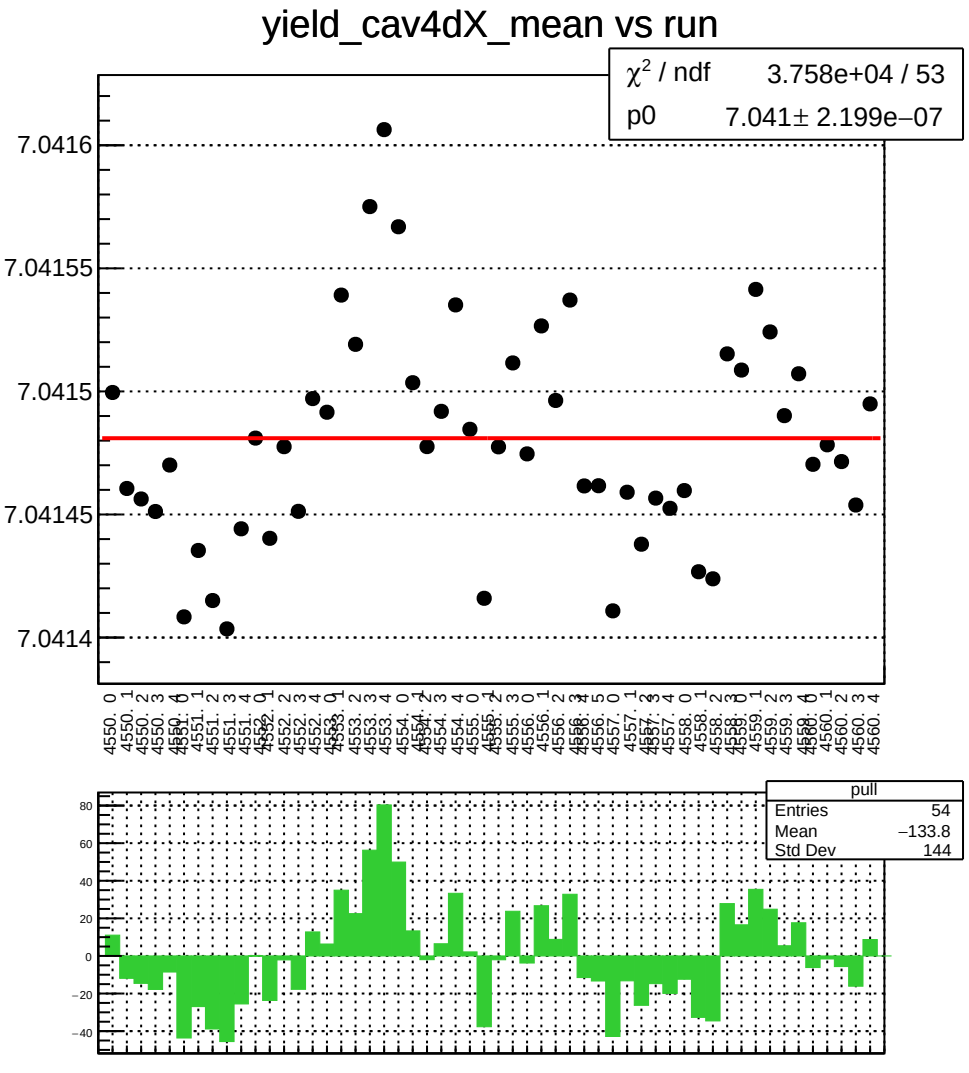

pull1D
Entries 54
Mean −0.7493
Std Dev 4.082

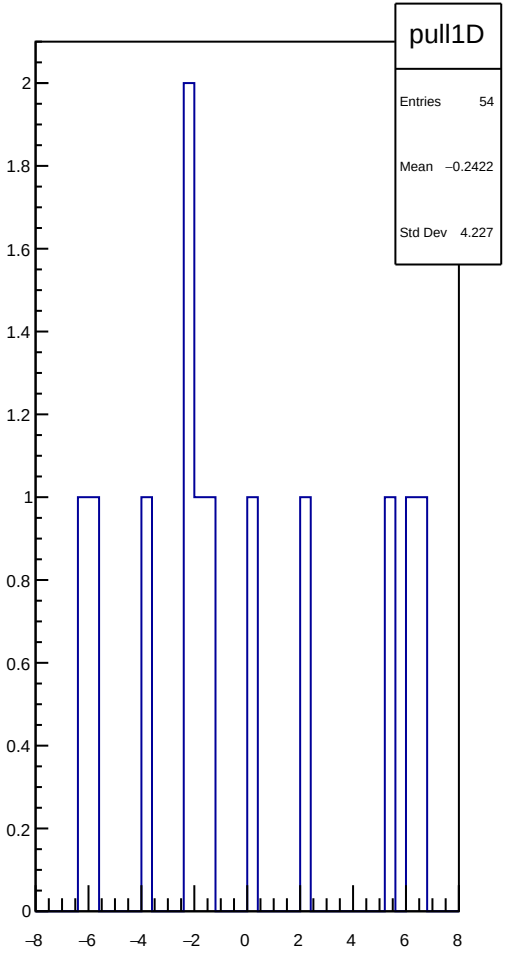

yield_cav4cX_rms vs run
χ² / ndf 2.87e+04 / 53
p0 0.007428 ± 7.304e−06
0.014
0.012
0.01
0.008
0.006

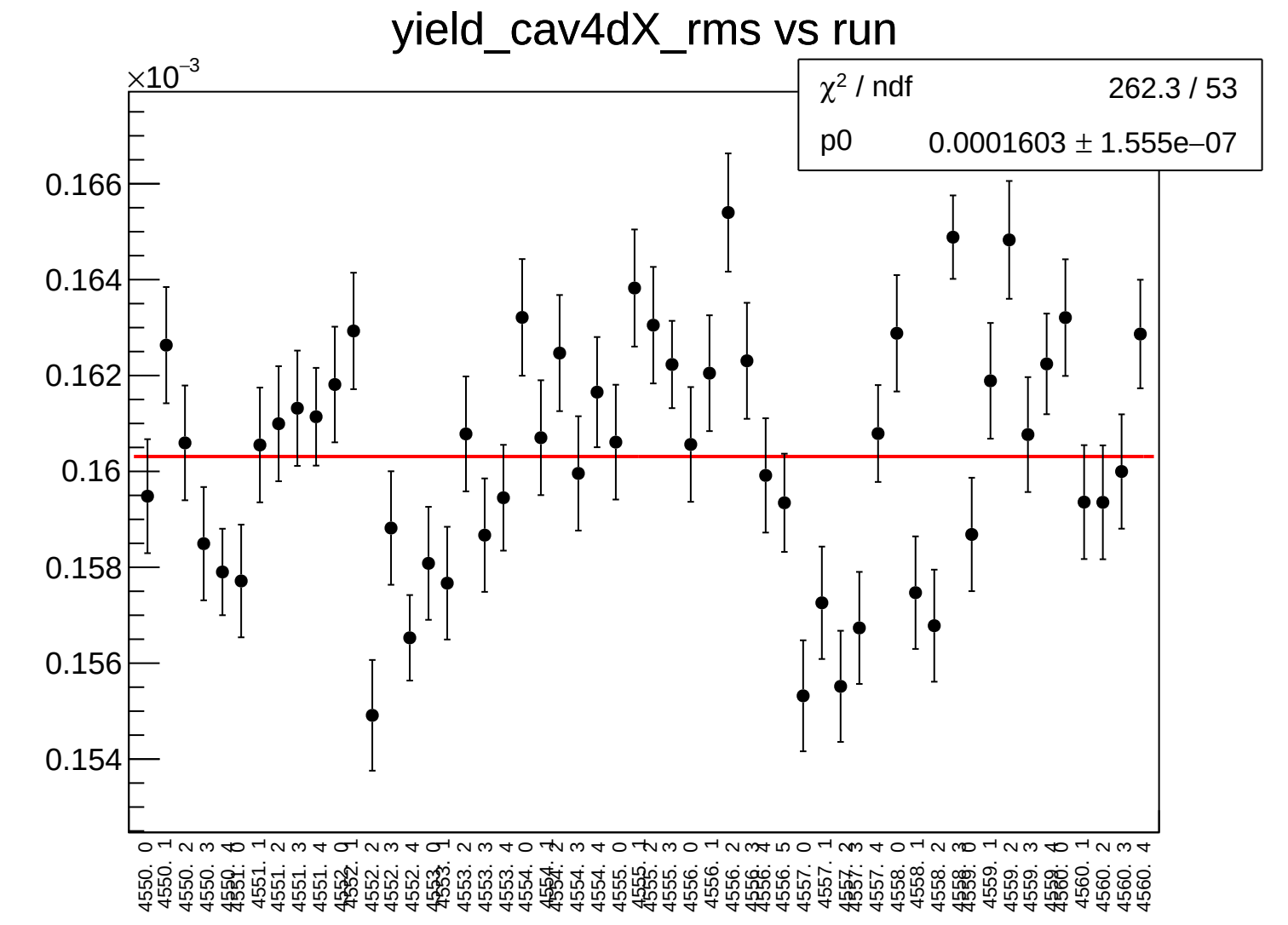

yield_cav4cY_mean vs run
χ² / ndf 8.251e+04 / 53
p0 −0.06922 ± 1.366e−05
−0.06
−0.065
−0.07
−0.075
−0.08
pull
Entries 54
Mean 64.93
Std Dev 41.23
60
40
20
0
−20
−40
−60
−80
−100

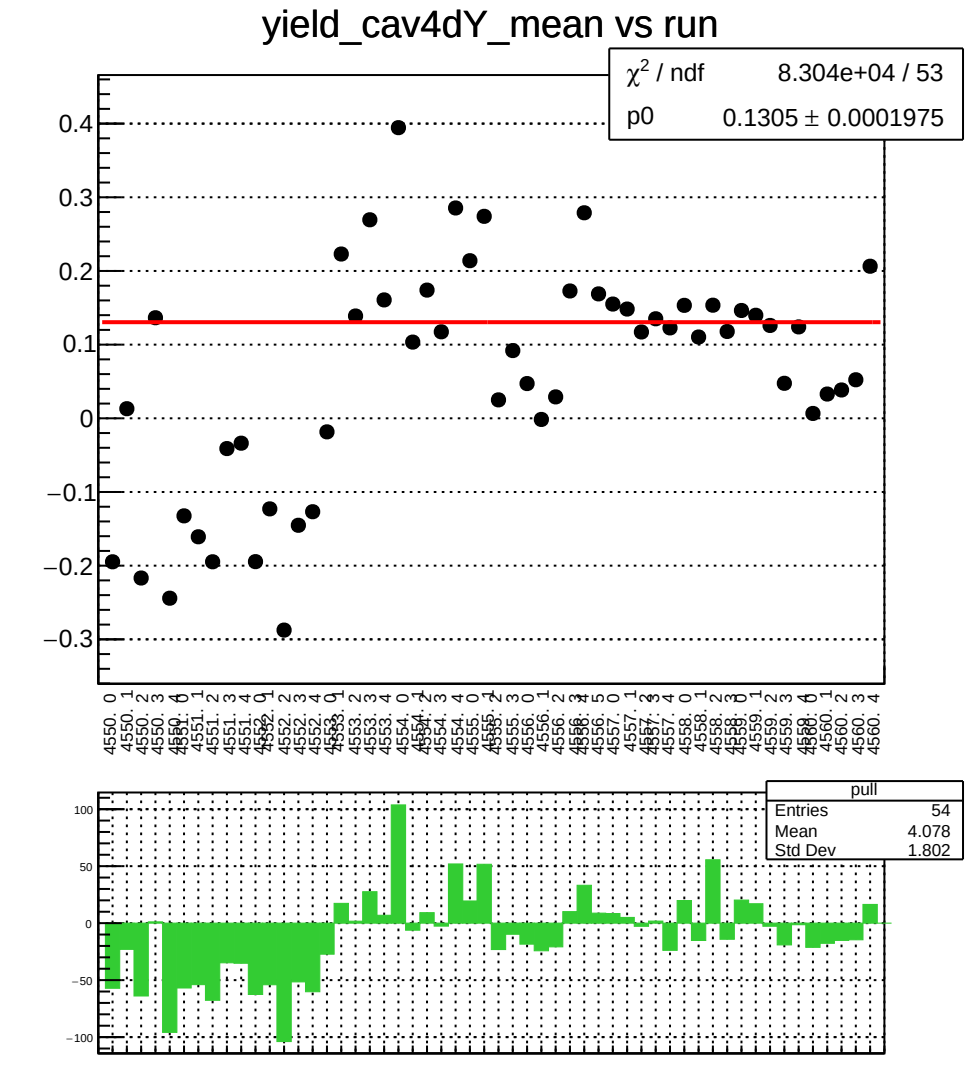

pull1D
Entries 54
Mean 1.704
Std Dev 3.985
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

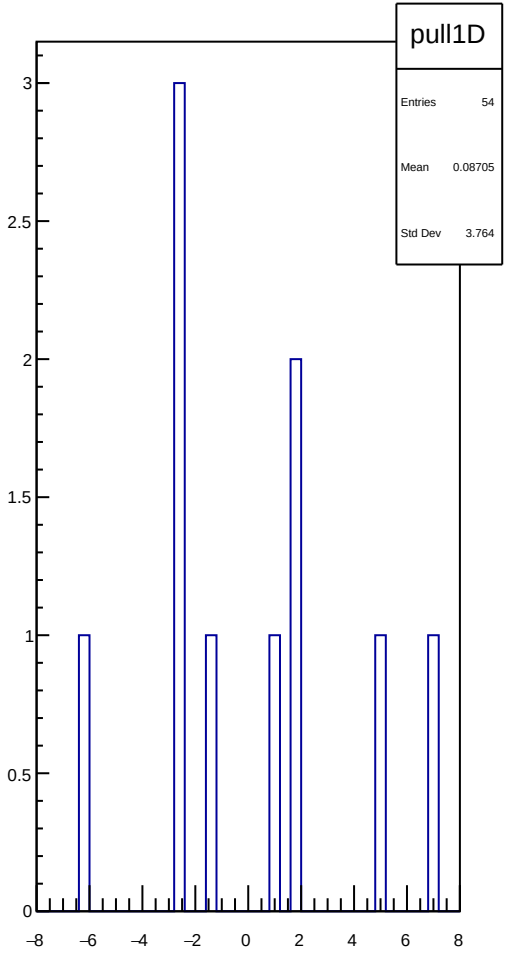

yield_cav4cY_rms vs run
χ² / ndf 1.489e+05 / 53
p0 0.009235 ± 9.659e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005

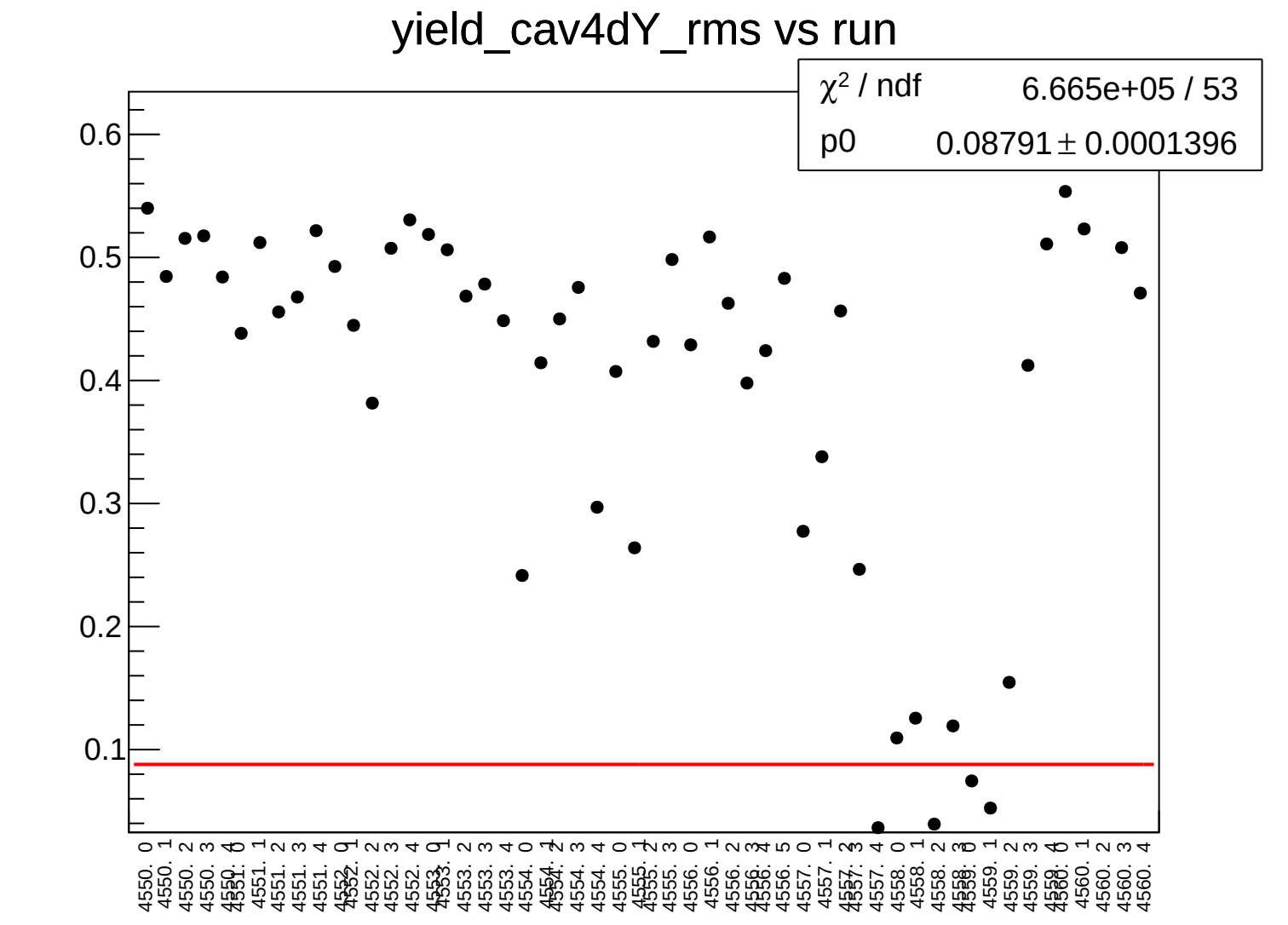

yield_cav4dX_mean vs run
χ² / ndf 3.758e+04 / 53
p0 7.041± 2.199e−07
7.0416
7.04155
7.0415
7.04145
7.0414
pull
Entries 54
Mean −133.8
Std Dev 144
80
60
40
20
0
−20
−40

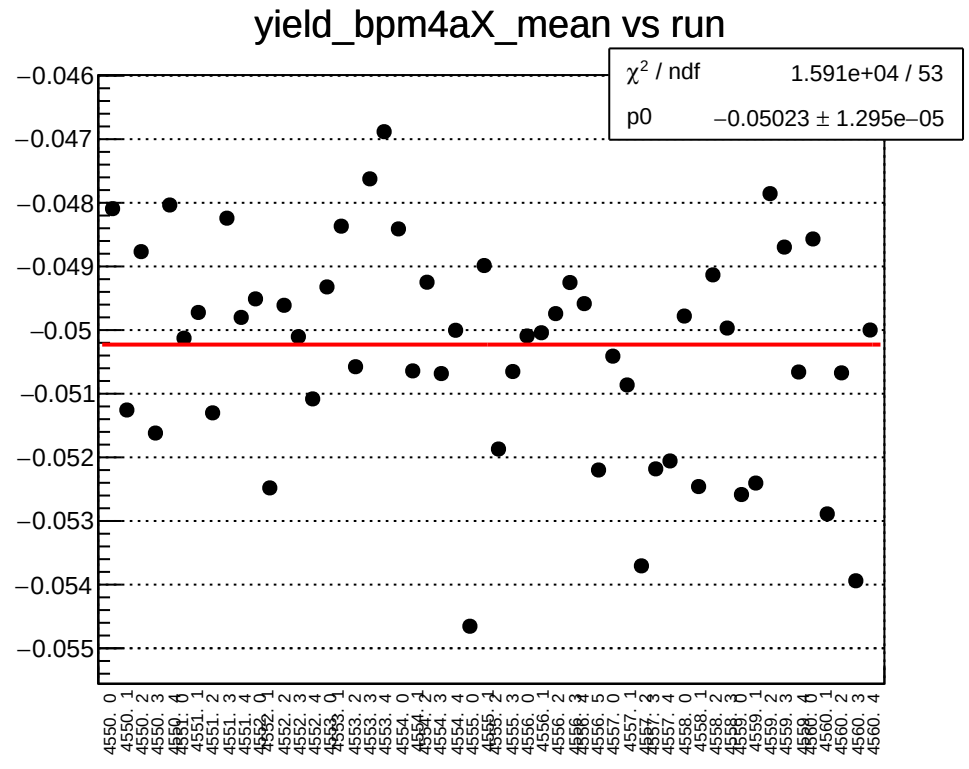

pull1D
Entries 54
Mean −0.2422
Std Dev 4.227
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

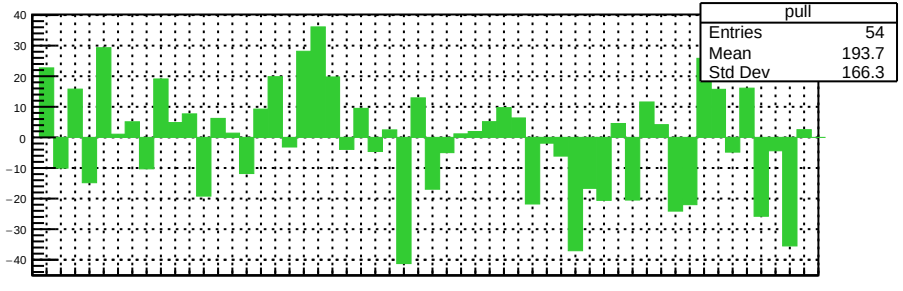

yield_cav4dX_rms vs run
×10⁻³
χ² / ndf 262.3 / 53
p0 0.0001603 ± 1.555e−07
0.166
0.164
0.162
0.16
0.158
0.156
0.154

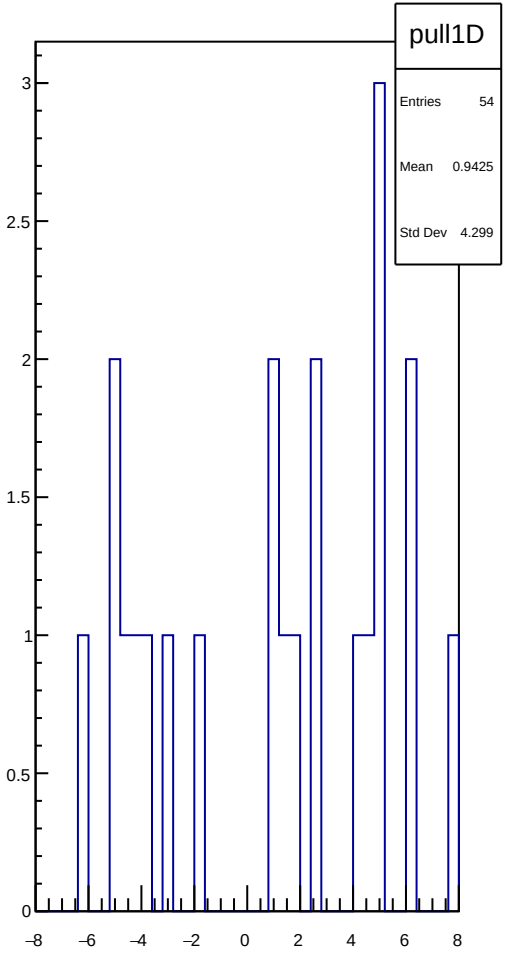

yield_cav4dY_mean vs run
χ² / ndf 8.304e+04 / 53
p0 0.1305 ± 0.0001975
pull
Entries 54
Mean 4.078
Std Dev 1.802

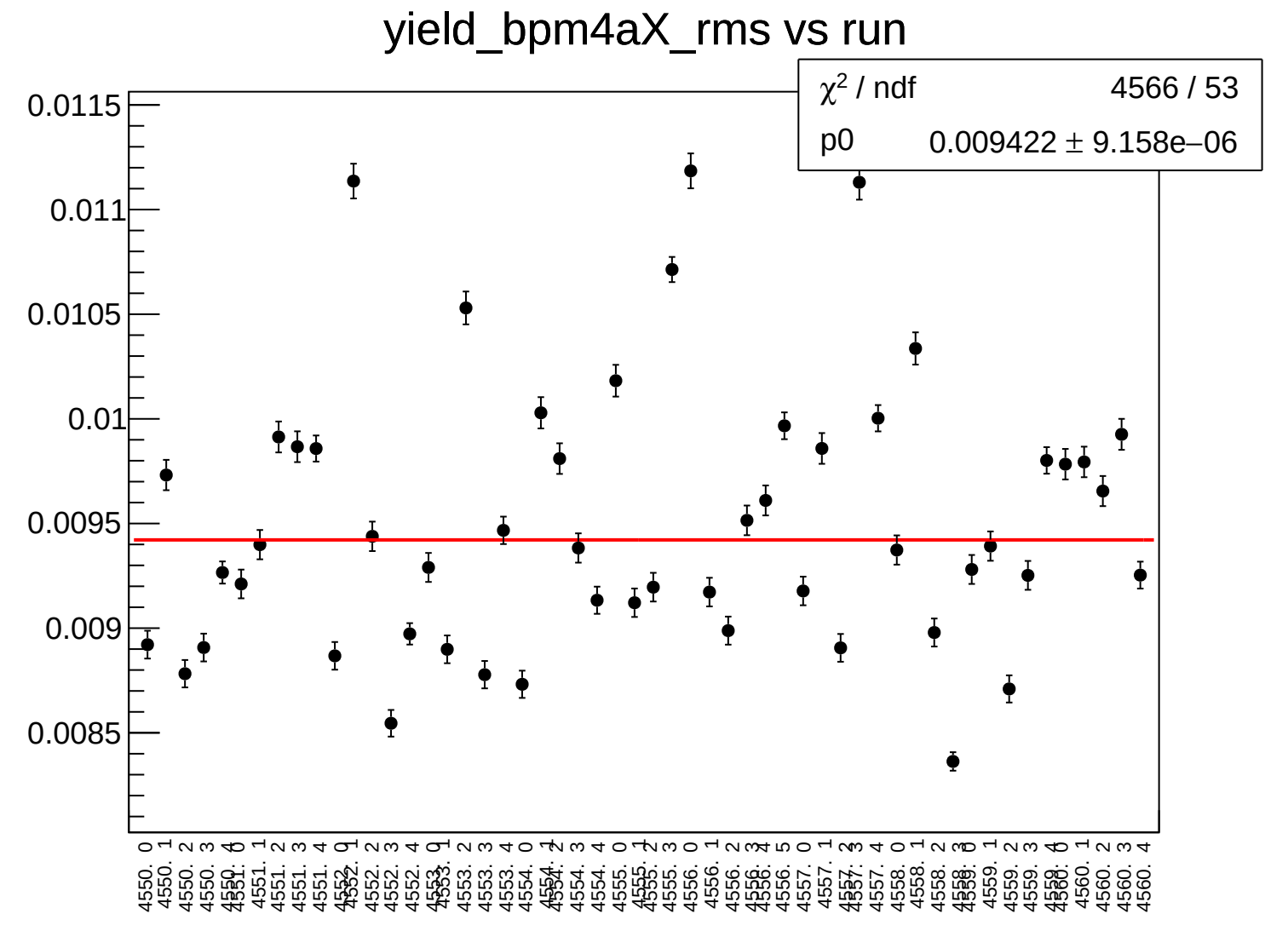

pull1D
Entries 54
Mean 0.08705
Std Dev 3.764

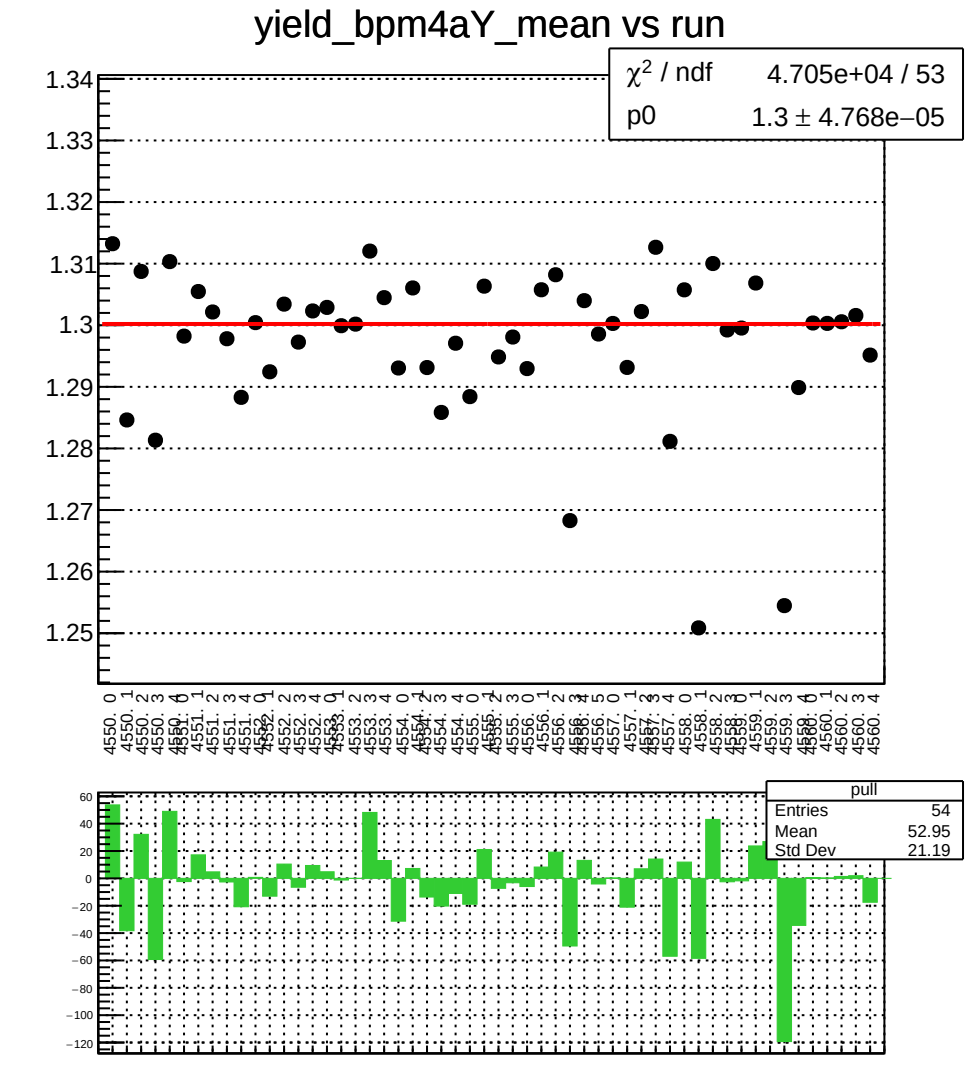

yield_cav4dY_rms vs run
χ² / ndf 6.665e+05 / 53
p0 0.08791 ± 0.0001396
0.6
0.5
0.4
0.3
0.2
0.1

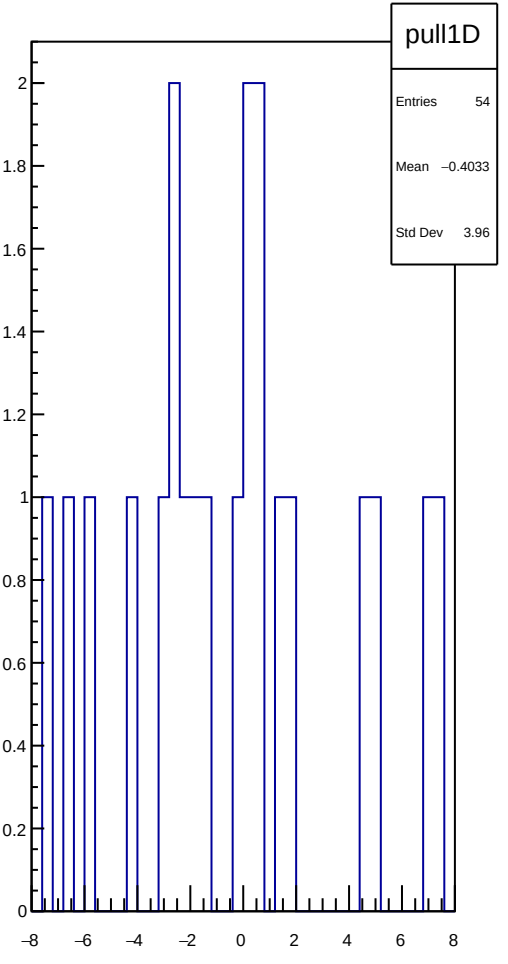

yield_bpm4aX_mean vs run
χ² / ndf 1.591e+04 / 53
p0 −0.05023 ± 1.295e−05
−0.046
−0.047
−0.048
−0.049
−0.05
−0.051
−0.052
−0.053
−0.054
−0.055

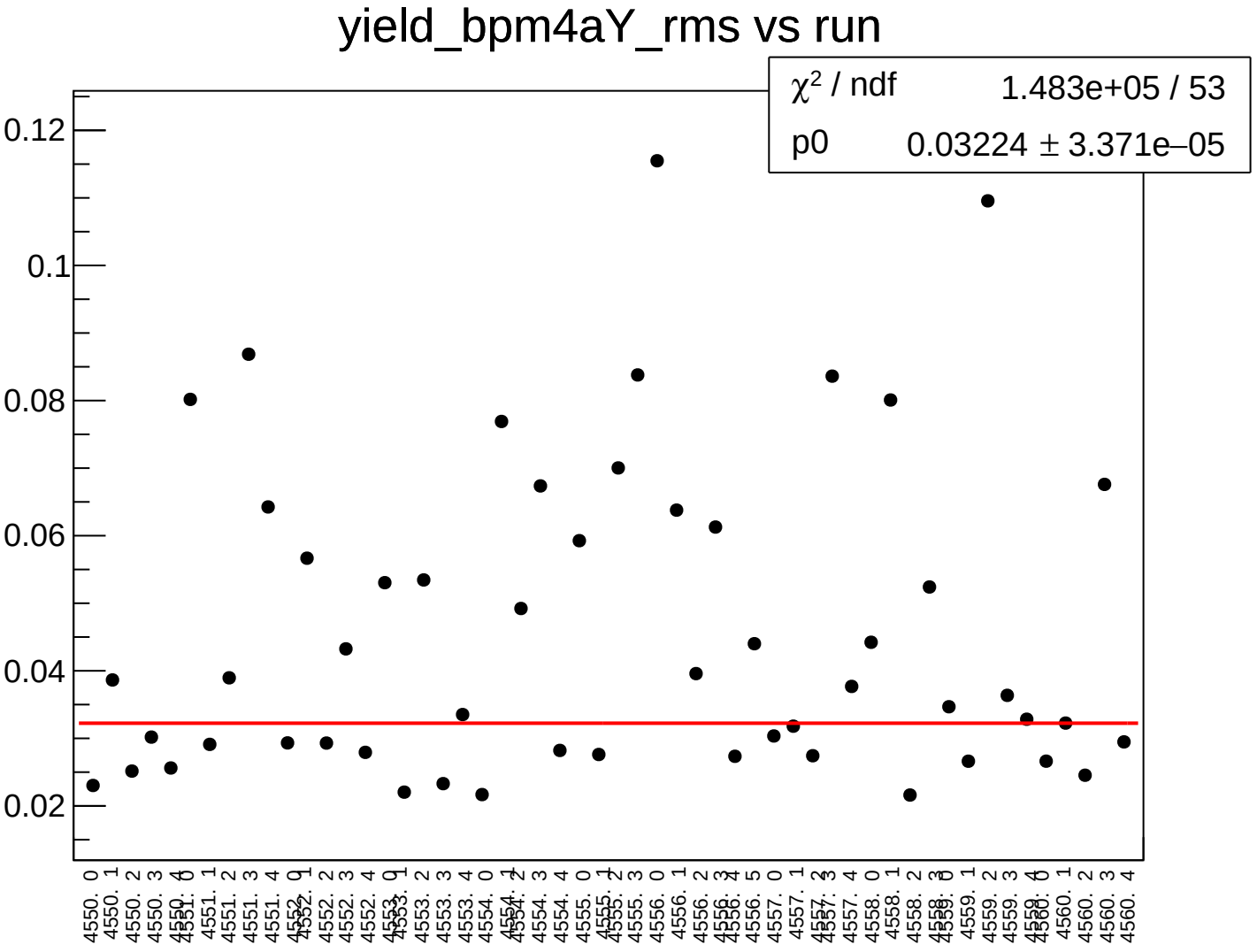

pull
Entries 54
Mean 193.7
Std Dev 166.3

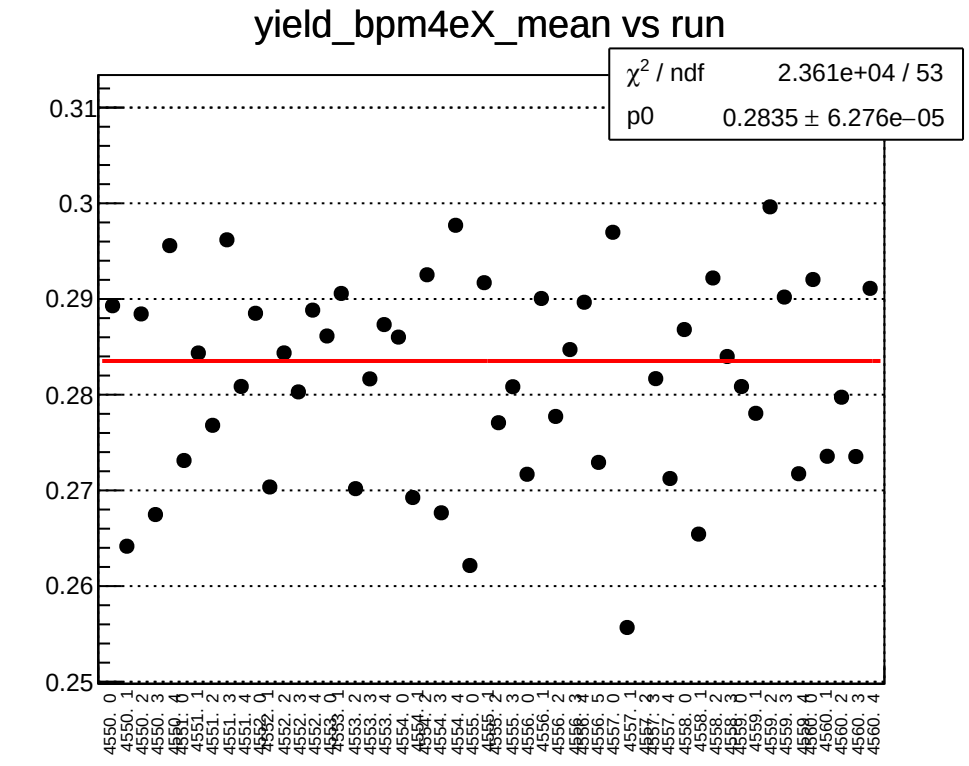

pull1D
Entries 54
Mean 0.9425
Std Dev 4.299

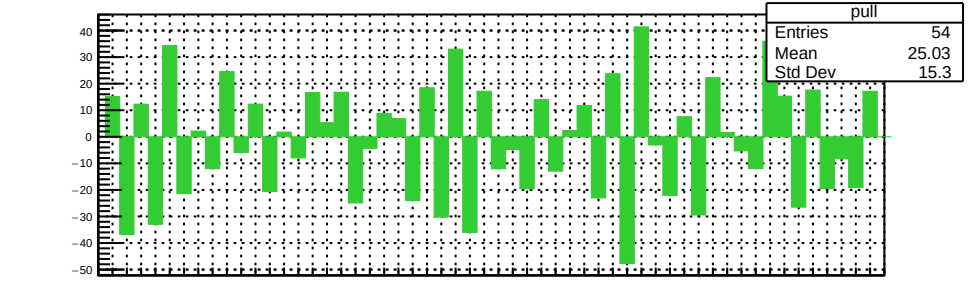

yield_bpm4aX_rms vs run
χ² / ndf 4566 / 53
p0 0.009422 ± 9.158e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085

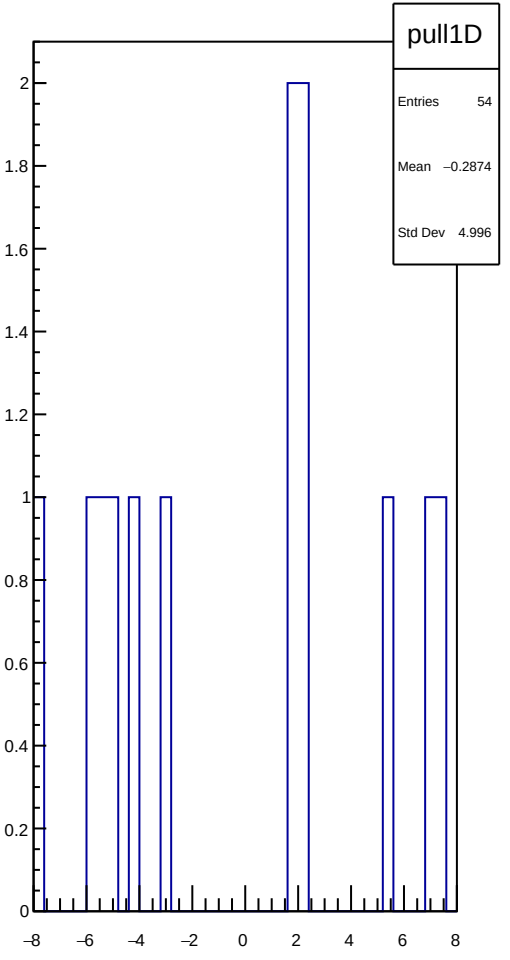

yield_bpm4aY_mean vs run
χ² / ndf 4.705e+04 / 53
p0 1.3 ± 4.768e−05
1.34
1.33
1.32
1.31
1.3
1.29
1.28
1.27
1.26
1.25
pull
Entries 54
Mean 52.95
Std Dev 21.19
60
40
20
0
−20
−40
−60
−80
−100
−120

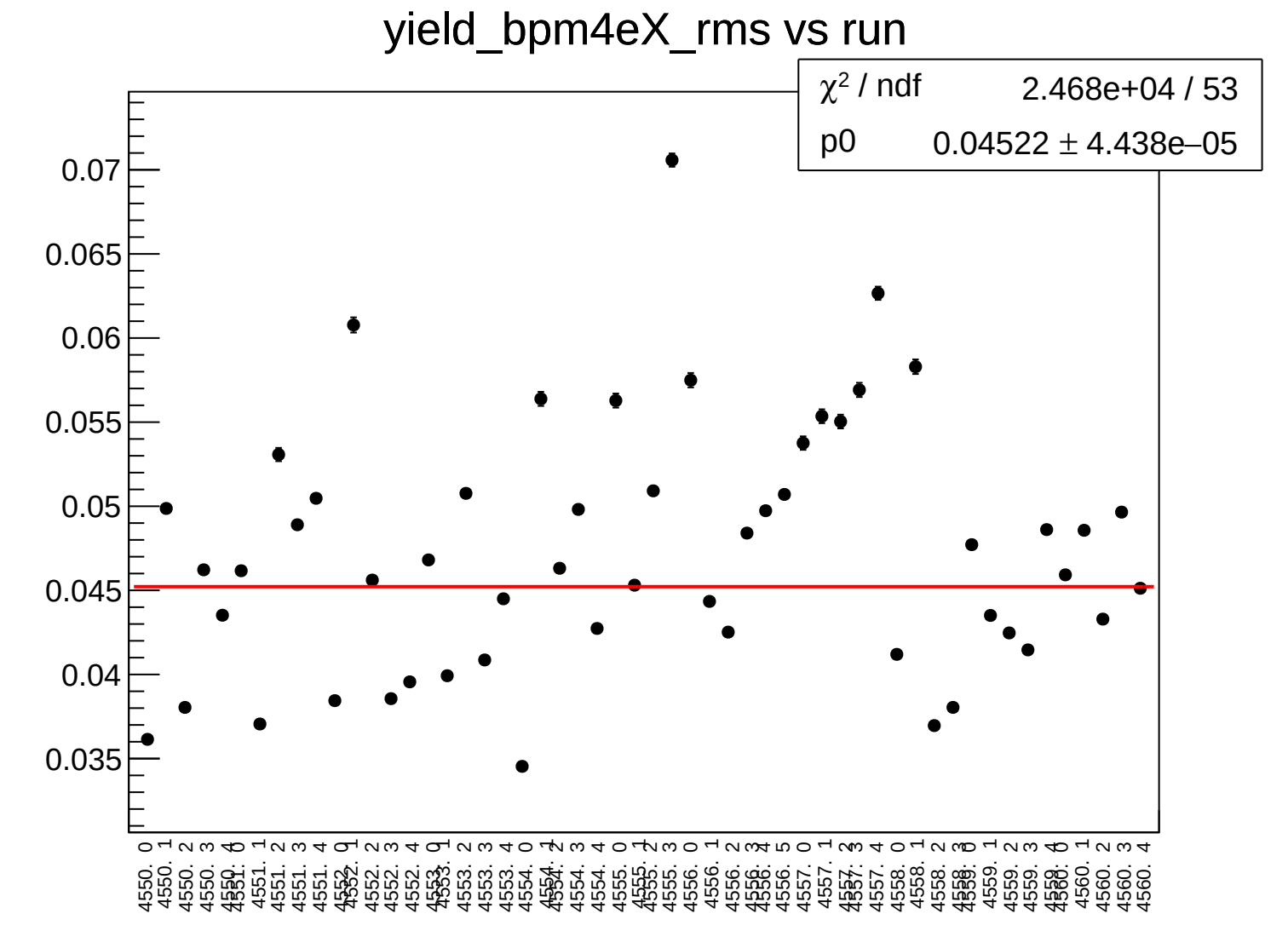

pull1D
Entries 54
Mean −0.4033
Std Dev 3.96
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

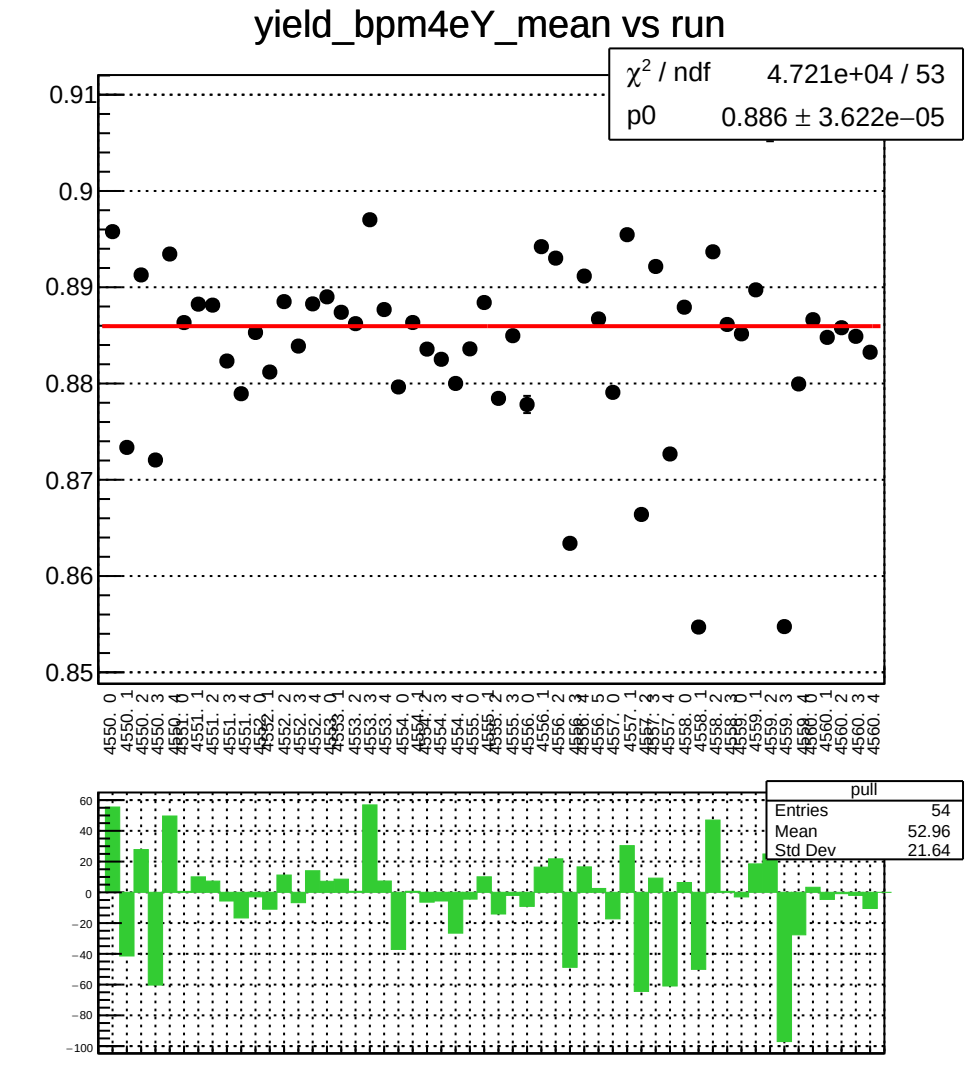

yield_bpm4aY_rms vs run
χ² / ndf 1.483e+05 / 53
p0 0.03224 ± 3.371e−05
0.12
0.1
0.08
0.06
0.04
0.02

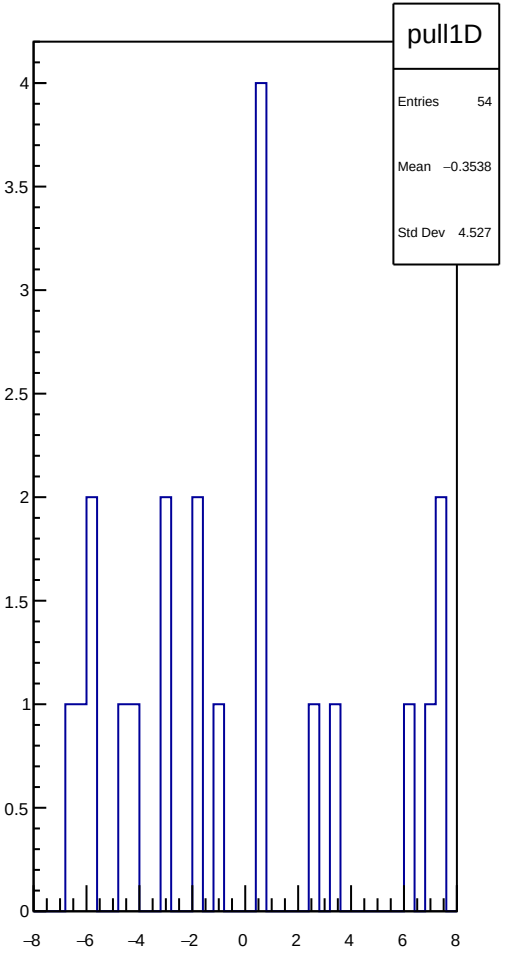

yield_bpm4eX_mean vs run
χ² / ndf 2.361e+04 / 53
p0 0.2835 ± 6.276e−05
0.31
0.3
0.29
0.28
0.27
0.26
0.25

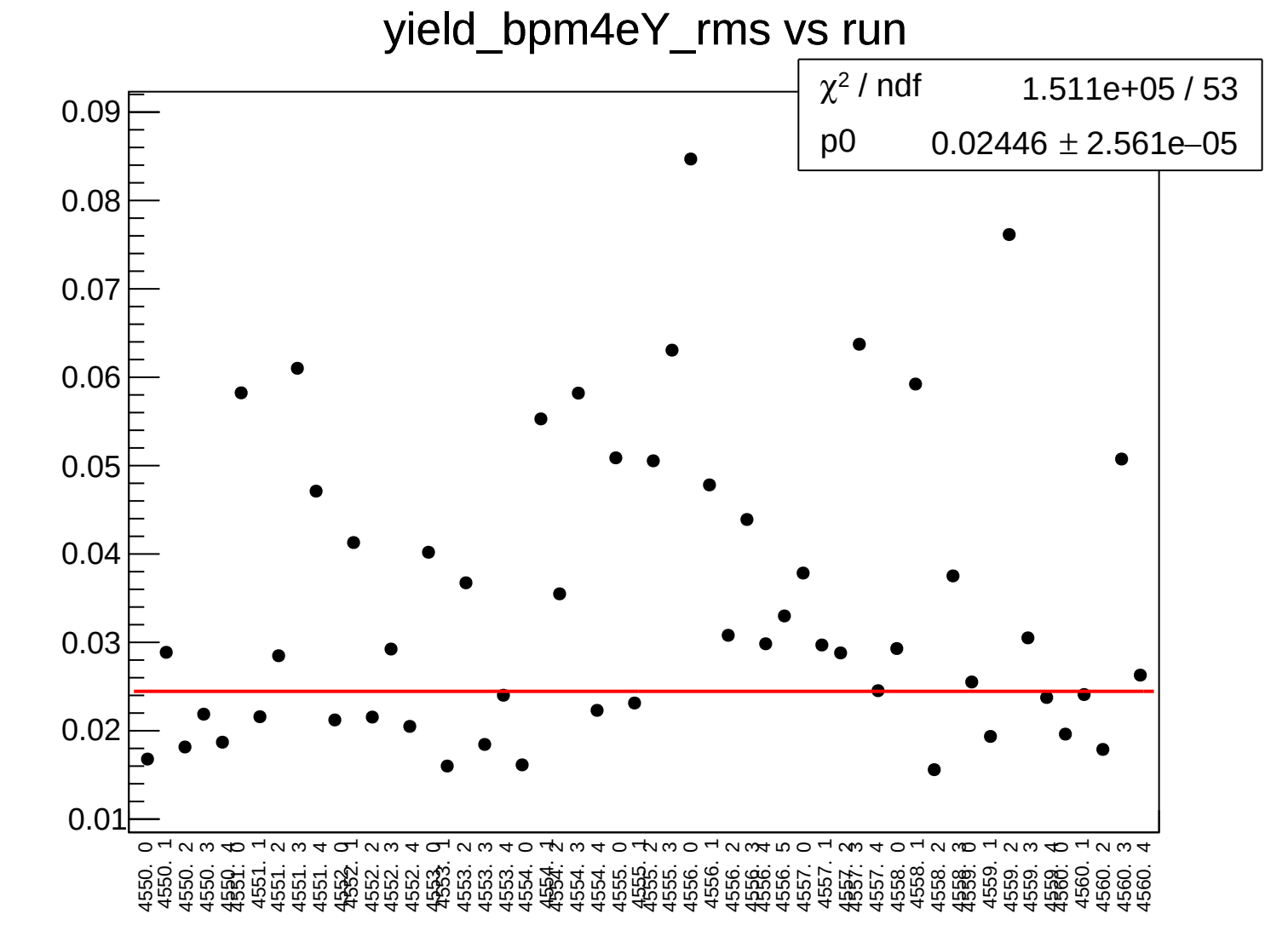

pull
Entries 54
Mean 25.03
Std Dev 15.3

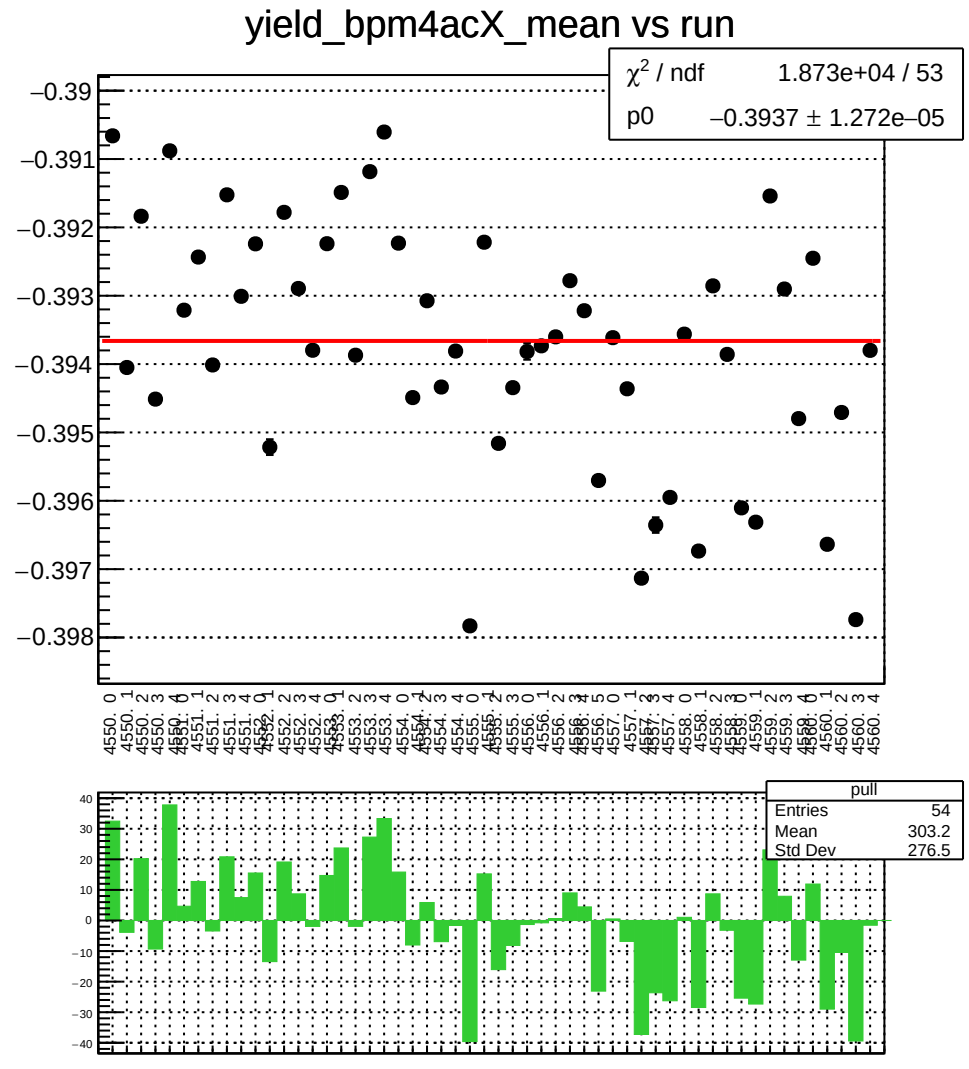

pull1D
Entries 54
Mean −0.2874
Std Dev 4.996

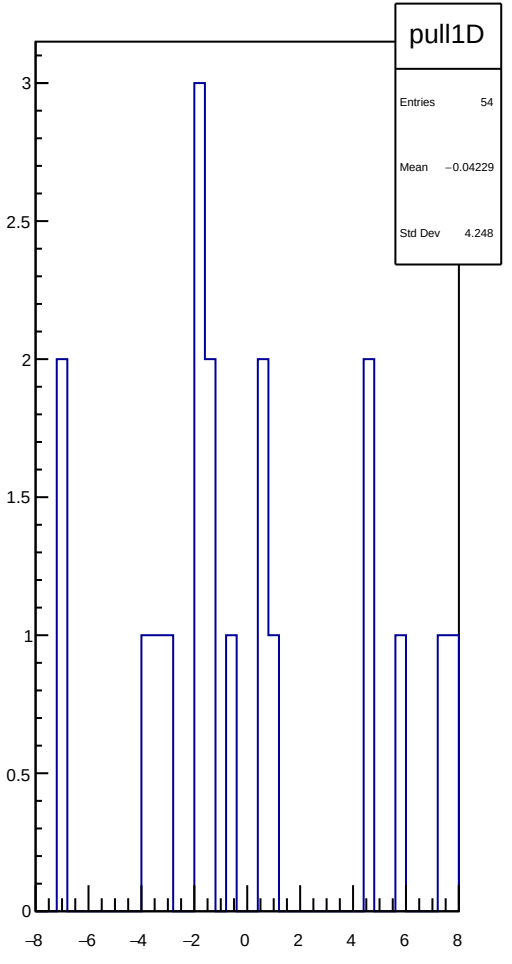

yield_bpm4eX_rms vs run
χ² / ndf 2.468e+04 / 53
p0 0.04522 ± 4.438e−05
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035

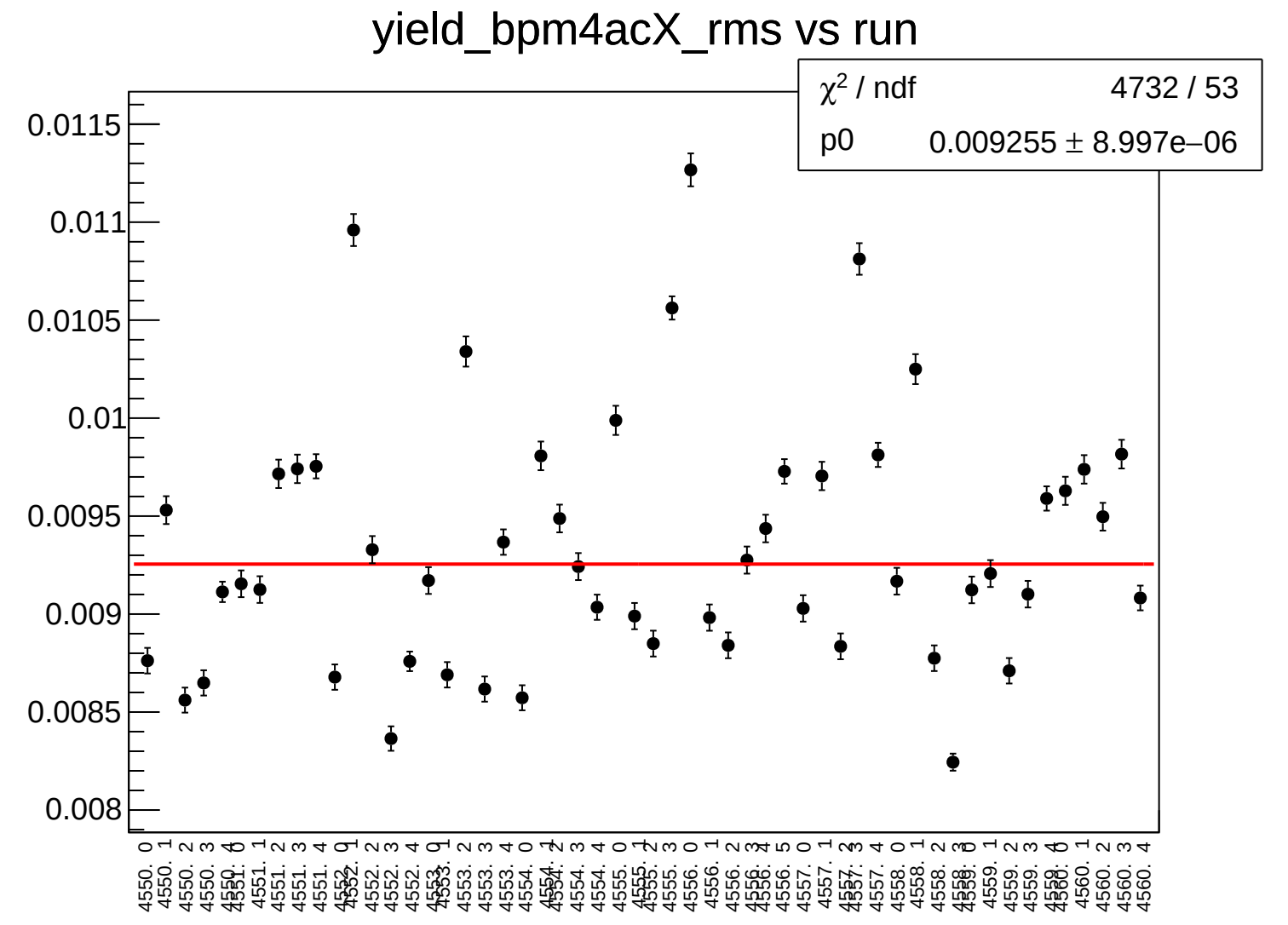

yield_bpm4eY_mean vs run
χ² / ndf 4.721e+04 / 53
p0 0.886 ± 3.622e−05
0.91
0.9
0.89
0.88
0.87
0.86
0.85
pull
Entries 54
Mean 52.96
Std Dev 21.64
60
40
20
0
−20
−40
−60
−80
−100

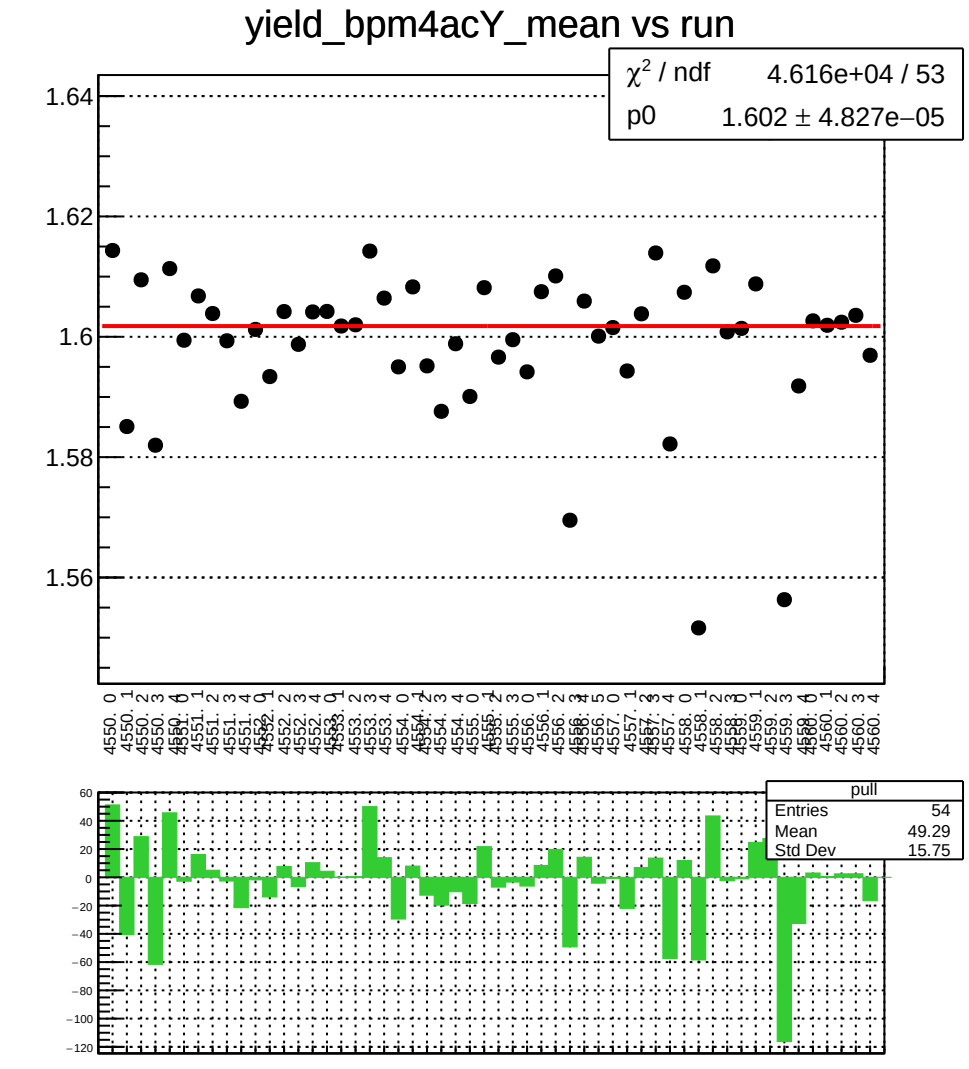

pull1D
Entries 54
Mean −0.3538
Std Dev 4.527
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

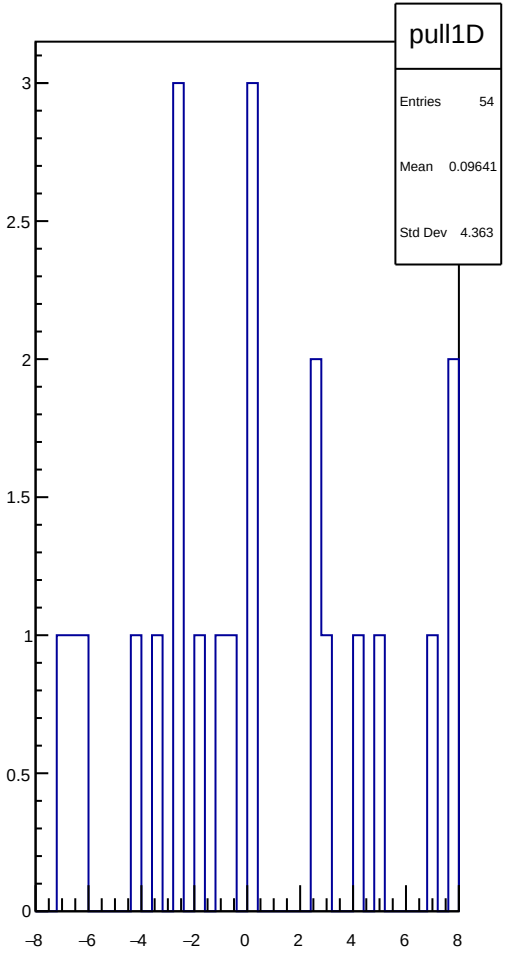

yield_bpm4eY_rms vs run
χ² / ndf 1.511e+05 / 53
p0 0.02446 ± 2.561e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

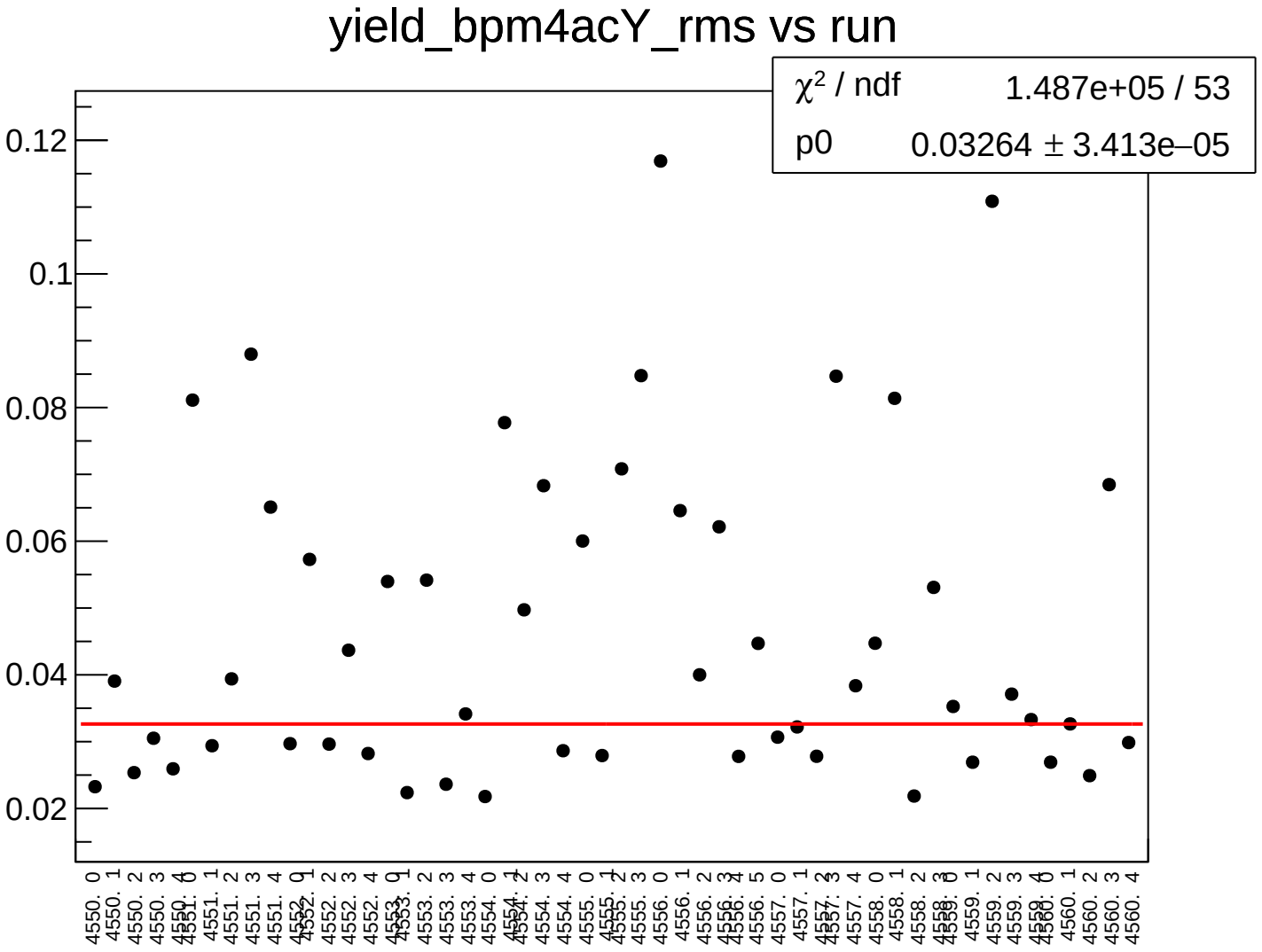

yield_bpm4acX_mean vs run
χ² / ndf 1.873e+04 / 53
p0 −0.3937 ± 1.272e−05
−0.39
−0.391
−0.392
−0.393
−0.394
−0.395
−0.396
−0.397
−0.398
pull
Entries 54
Mean 303.2
Std Dev 276.5
40
30
20
10
0
−10
−20
−30
−40

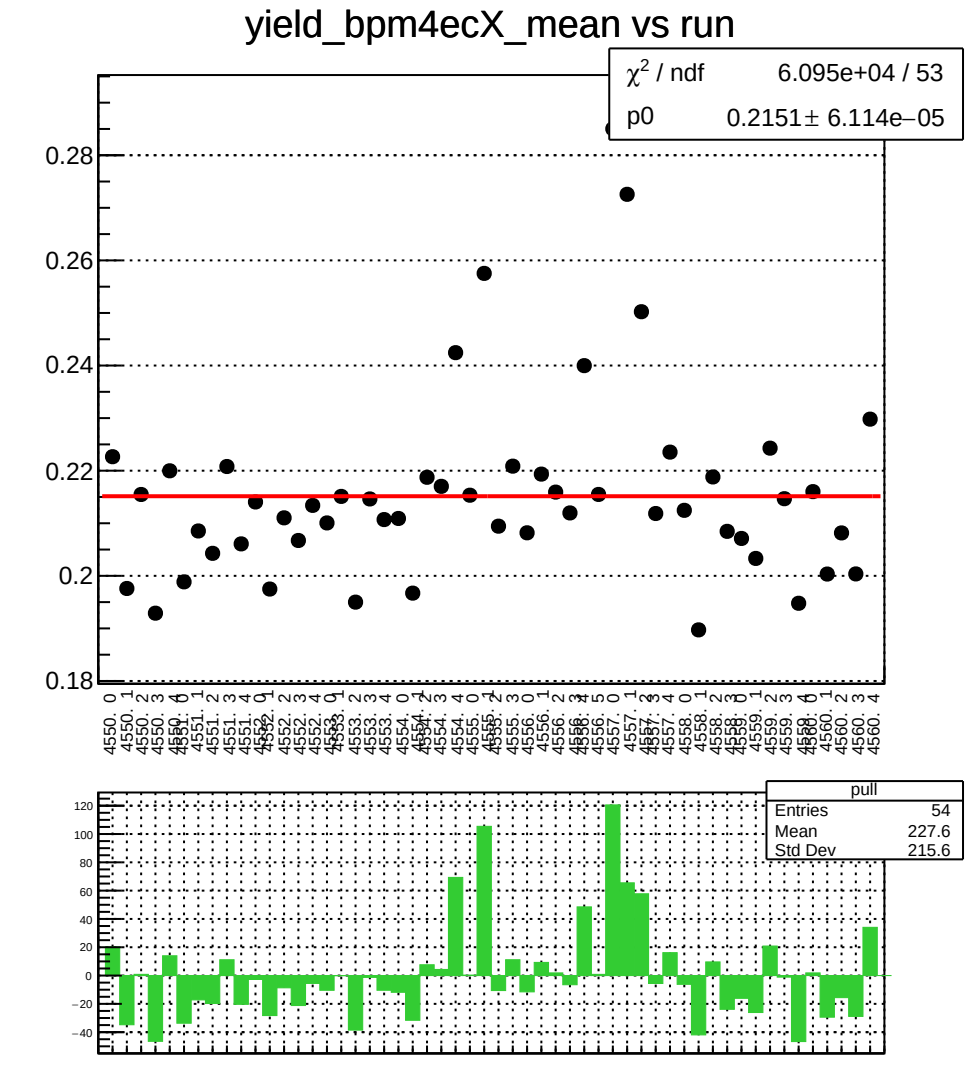

pull1D
Entries 54
Mean −0.04229
Std Dev 4.248
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

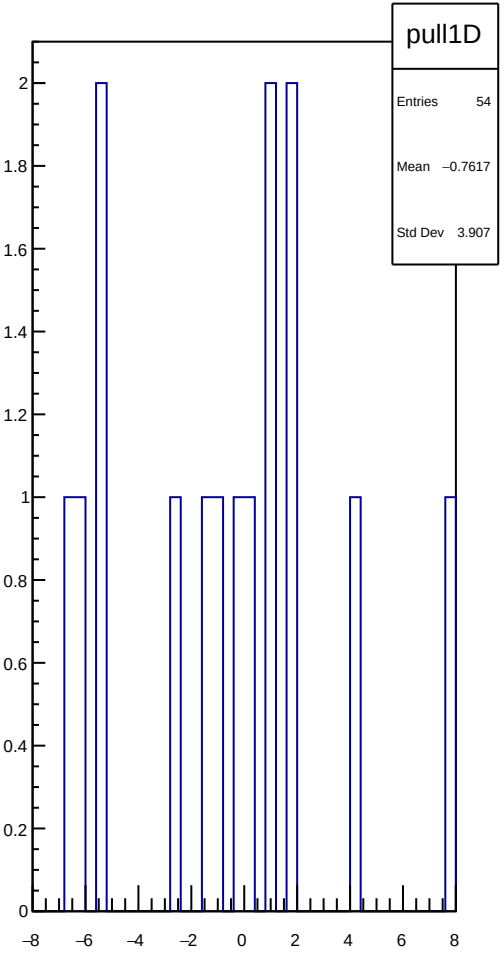

yield_bpm4acX_rms vs run
χ² / ndf 4732 / 53
p0 0.009255 ± 8.997e−06
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

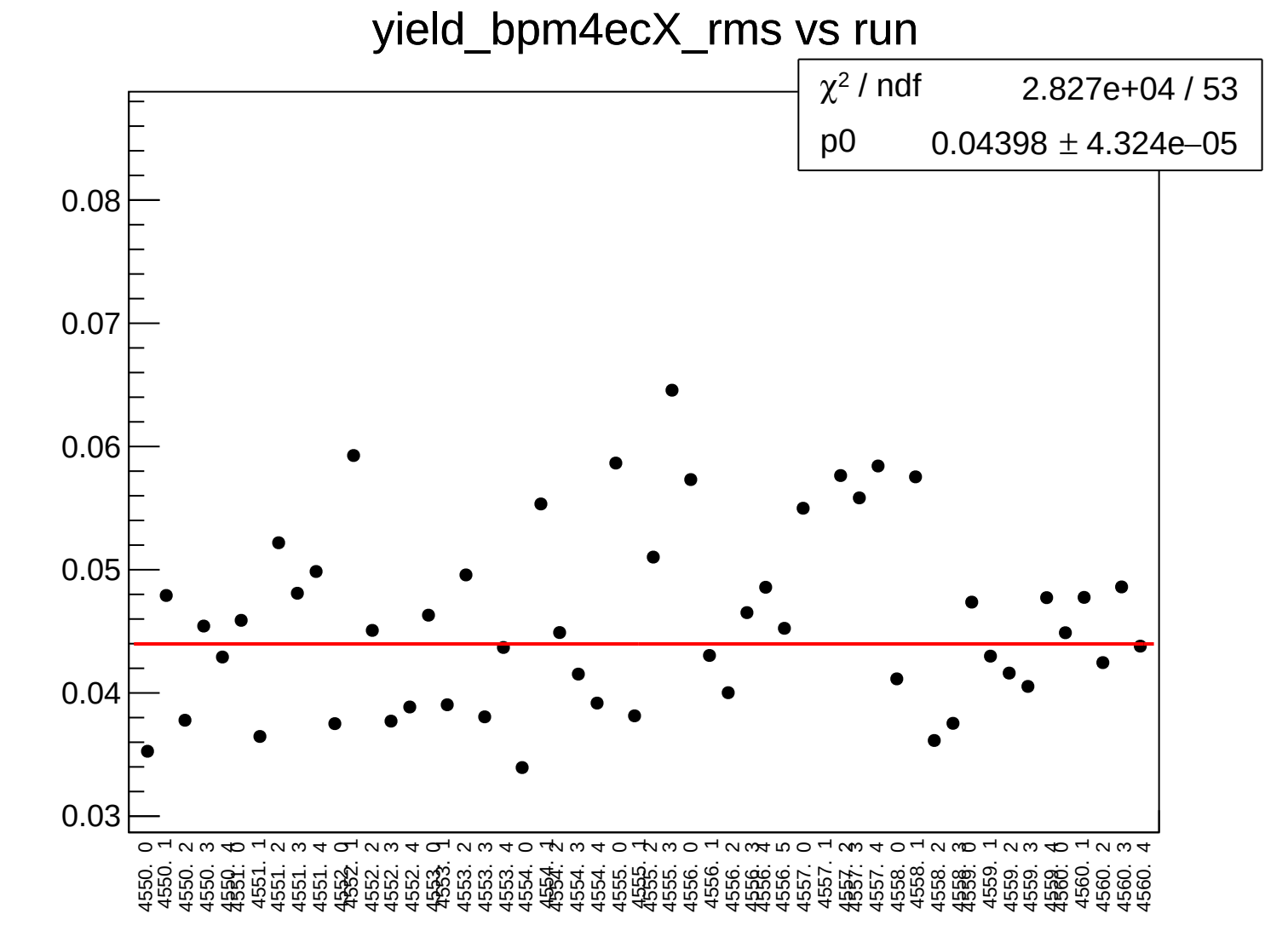

yield_bpm4acY_mean vs run
χ² / ndf 4.616e+04 / 53
p0 1.602 ± 4.827e−05
1.64
1.62
1.6
1.58
1.56
pull
Entries 54
Mean 49.29
Std Dev 15.75
60
40
20
0
−20
−40
−60
−80
−100
−120

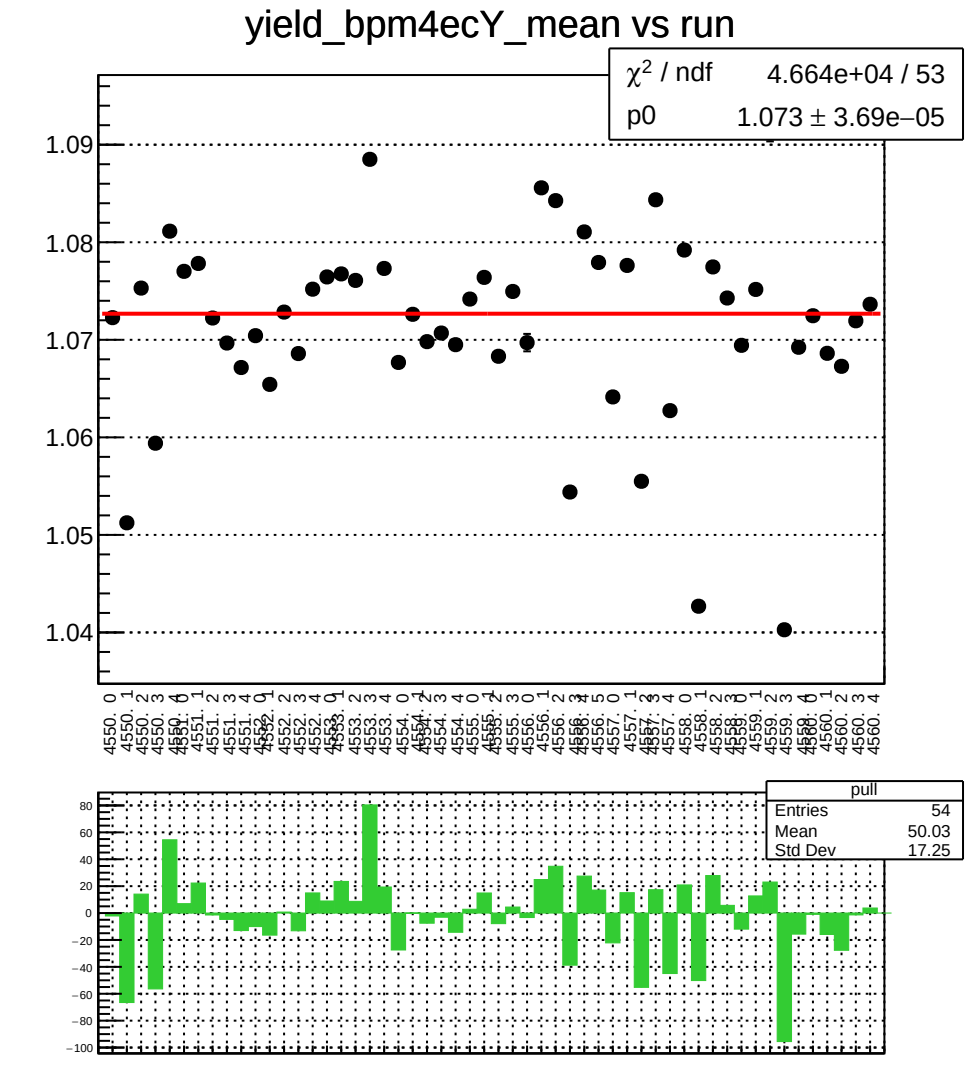

pull1D
Entries 54
Mean 0.09641
Std Dev 4.363
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

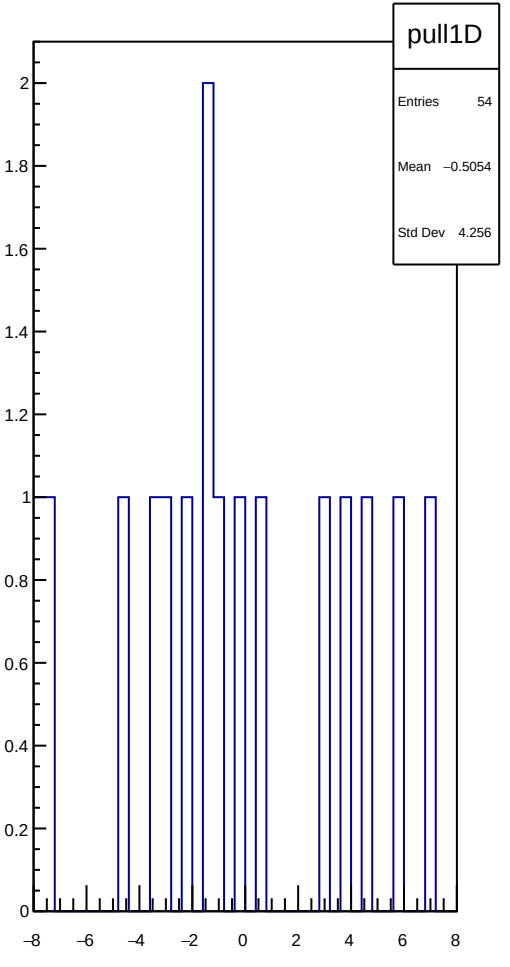

yield_bpm4acY_rms vs run
χ² / ndf 1.487e+05 / 53
p0 0.03264 ± 3.413e−05
0.12
0.1
0.08
0.06
0.04
0.02

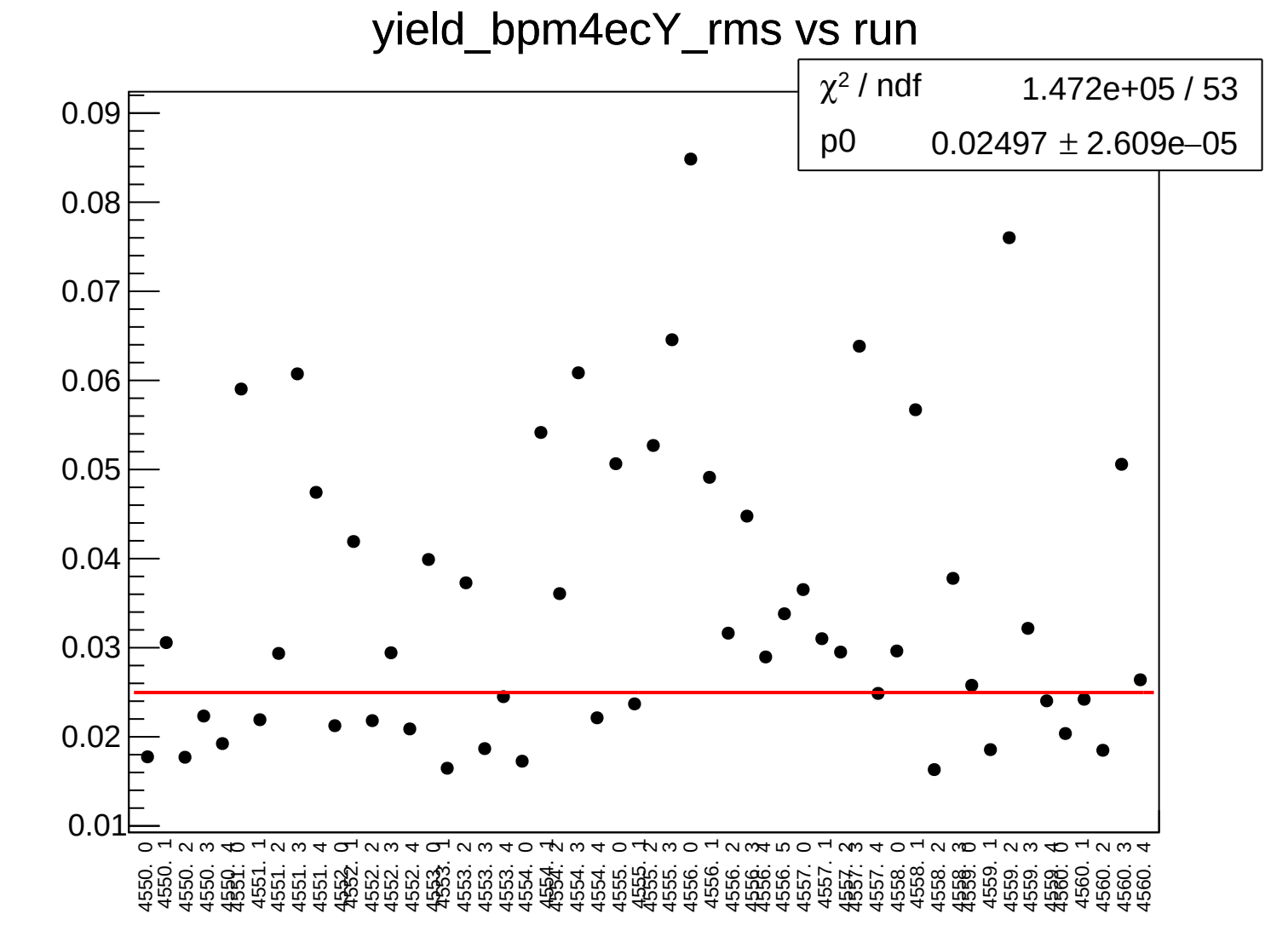

yield_bpm4ecX_mean vs run
χ² / ndf 6.095e+04 / 53
p0 0.2151 ± 6.114e−05
0.28
0.26
0.24
0.22
0.2
0.18
pull
Entries 54
Mean 227.6
Std Dev 215.6
120
100
80
60
40
20
0
−20
−40

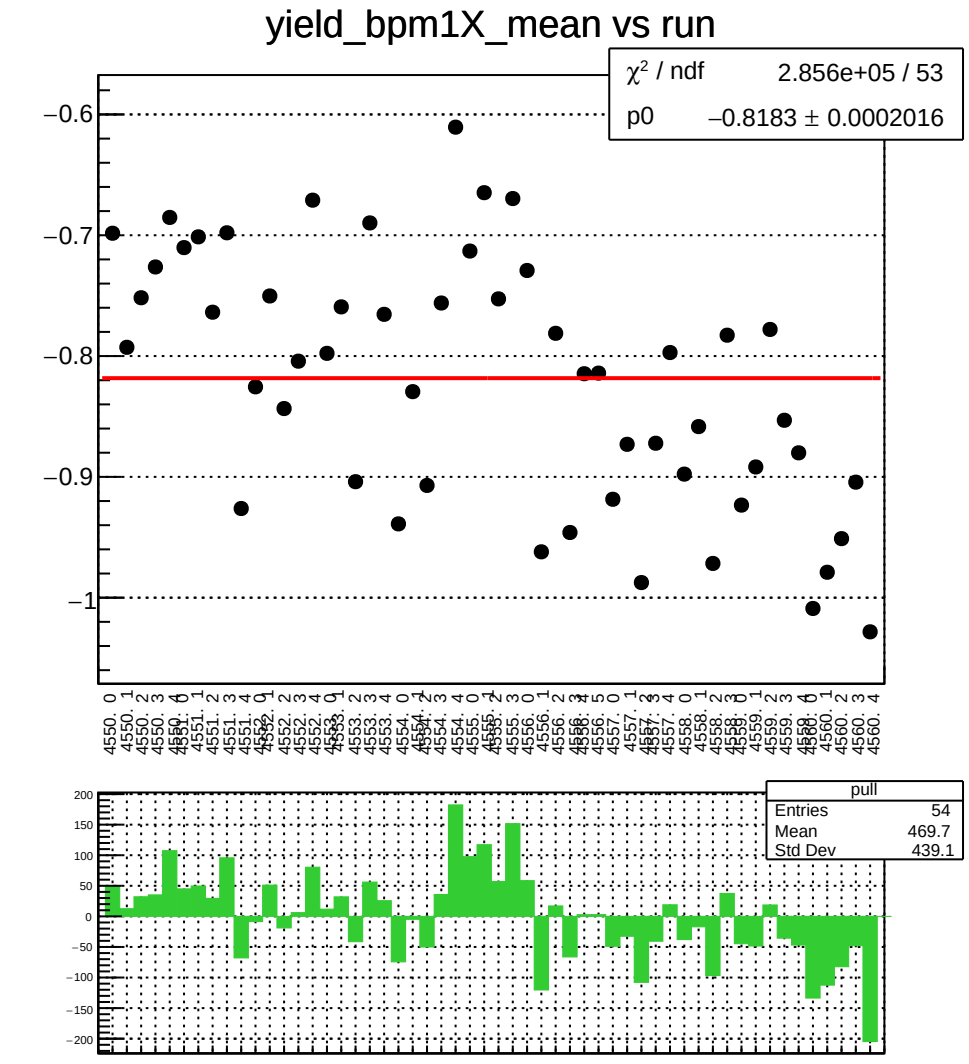

pull1D
Entries 54
Mean −0.7617
Std Dev 3.907
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

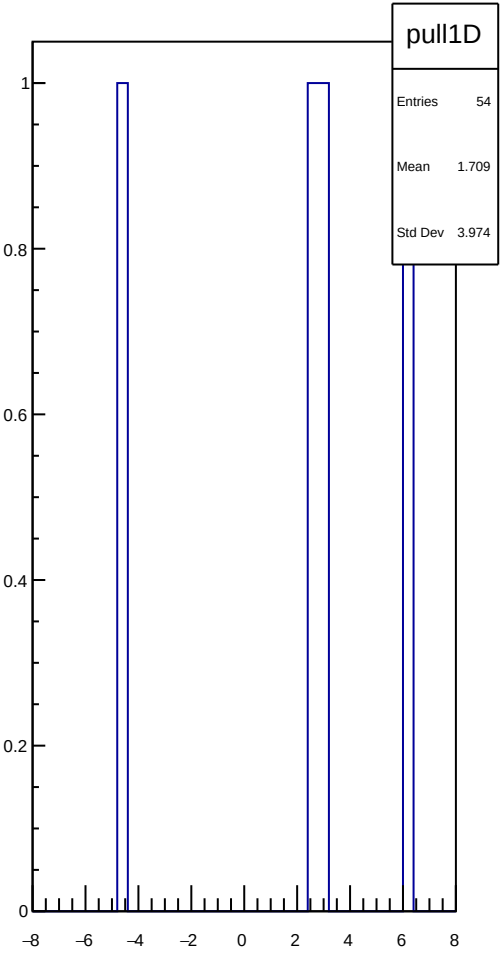

yield_bpm4ecX_rms vs run
χ² / ndf 2.827e+04 / 53
p0 0.04398 ± 4.324e−05
0.08
0.07
0.06
0.05
0.04
0.03

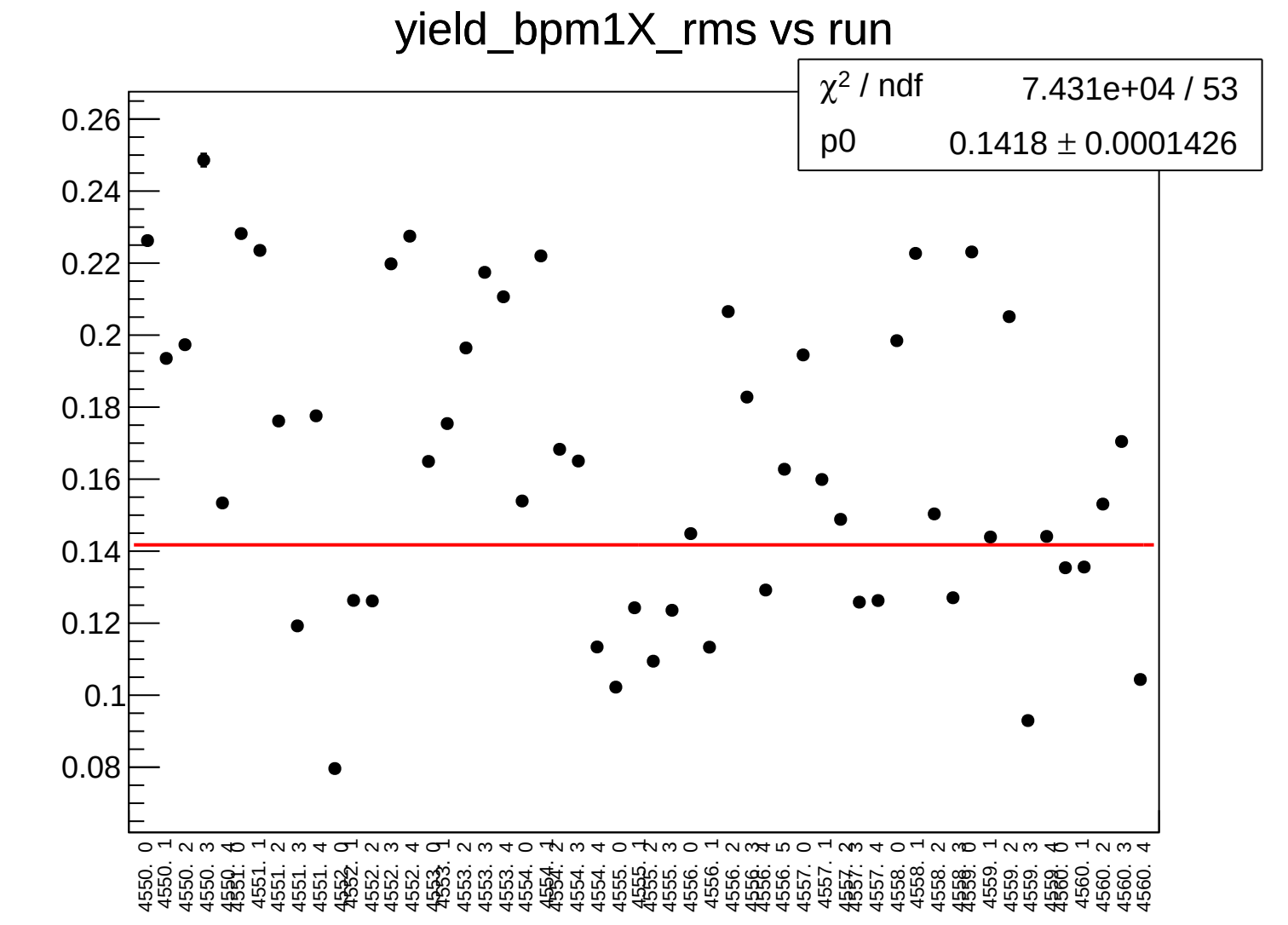

yield_bpm4ecY_mean vs run
χ² / ndf 4.664e+04 / 53
p0 1.073 ± 3.69e−05
1.09
1.08
1.07
1.06
1.05
1.04
pull
Entries 54
Mean 50.03
Std Dev 17.25
80
60
40
20
0
−20
−40
−60
−80
−100

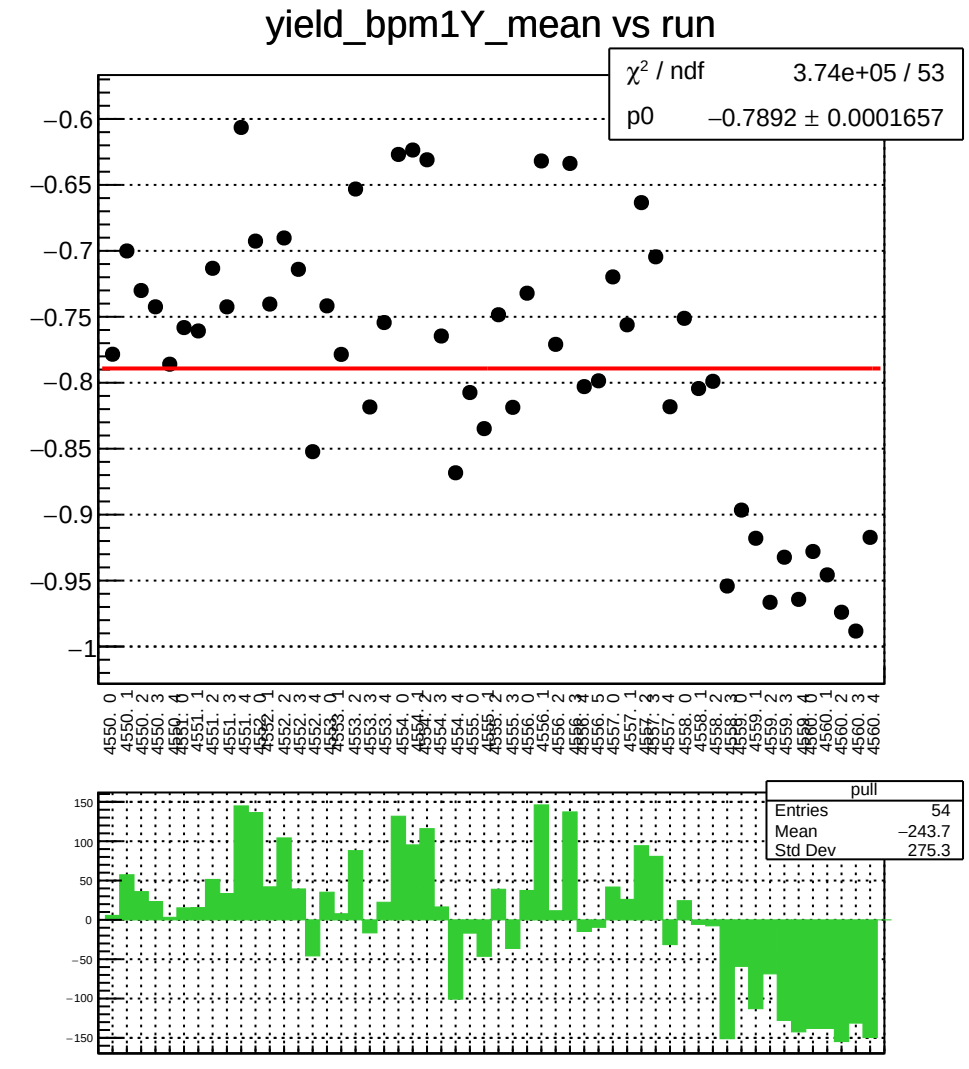

pull1D
Entries 54
Mean −0.5054
Std Dev 4.256
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

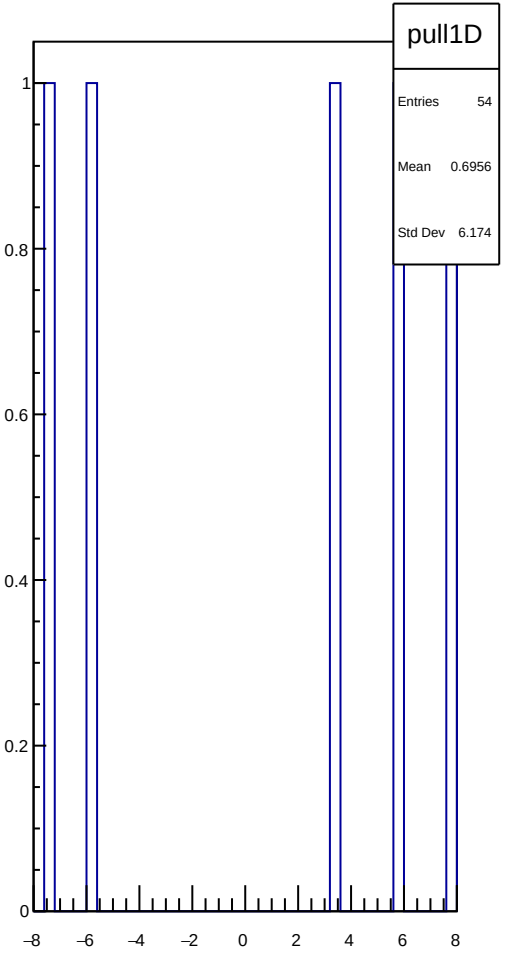

yield_bpm4ecY_rms vs run
χ² / ndf 1.472e+05 / 53
p0 0.02497 ± 2.609e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

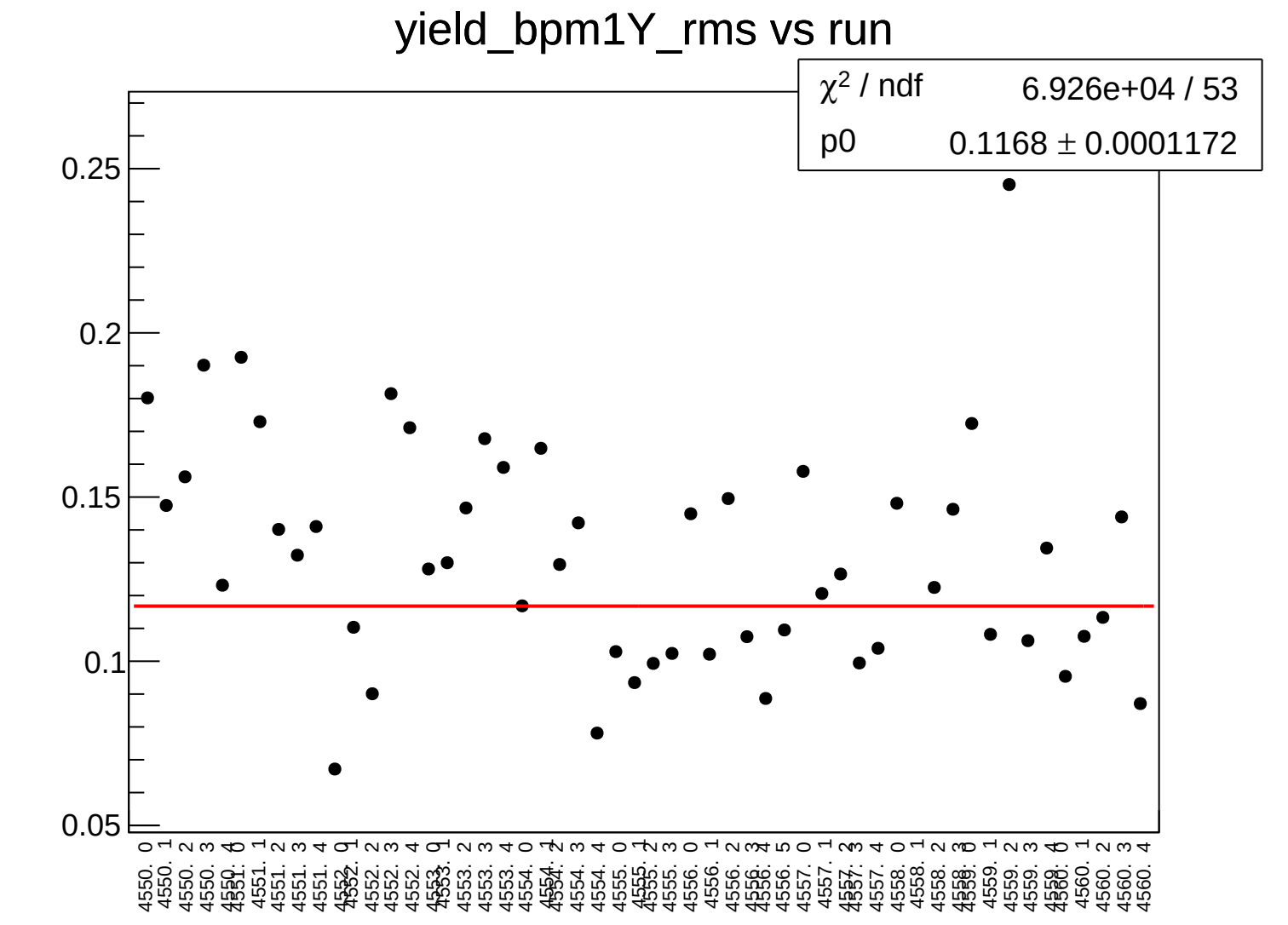

yield_bpm1X_mean vs run
χ² / ndf 2.856e+05 / 53
p0 −0.8183 ± 0.0002016
−0.6
−0.7
−0.8
−0.9
−1
pull
Entries 54
Mean 469.7
Std Dev 439.1
200
150
100
50
0
−50
−100
−150
−200

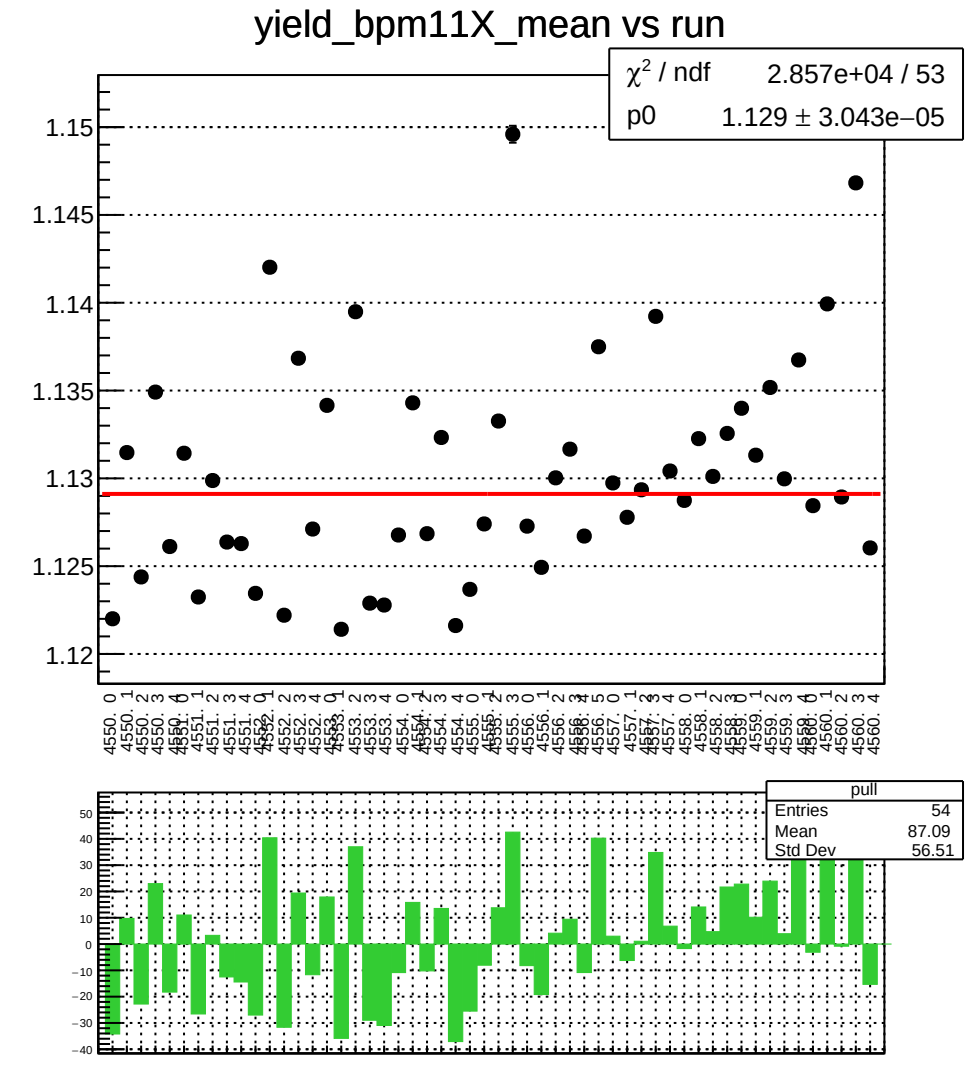

pull1D
Entries 54
Mean 1.709
Std Dev 3.974
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

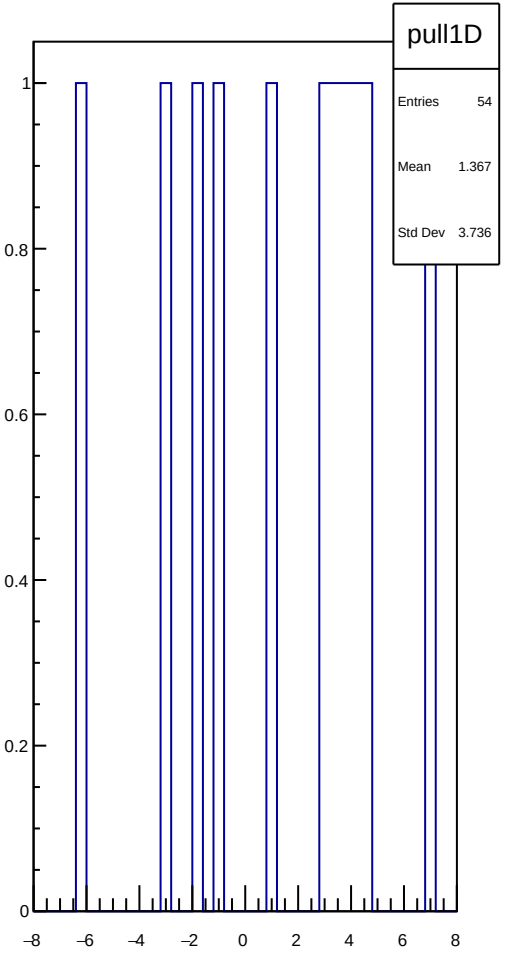

yield_bpm1X_rms vs run
χ² / ndf 7.431e+04 / 53
p0 0.1418 ± 0.0001426
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

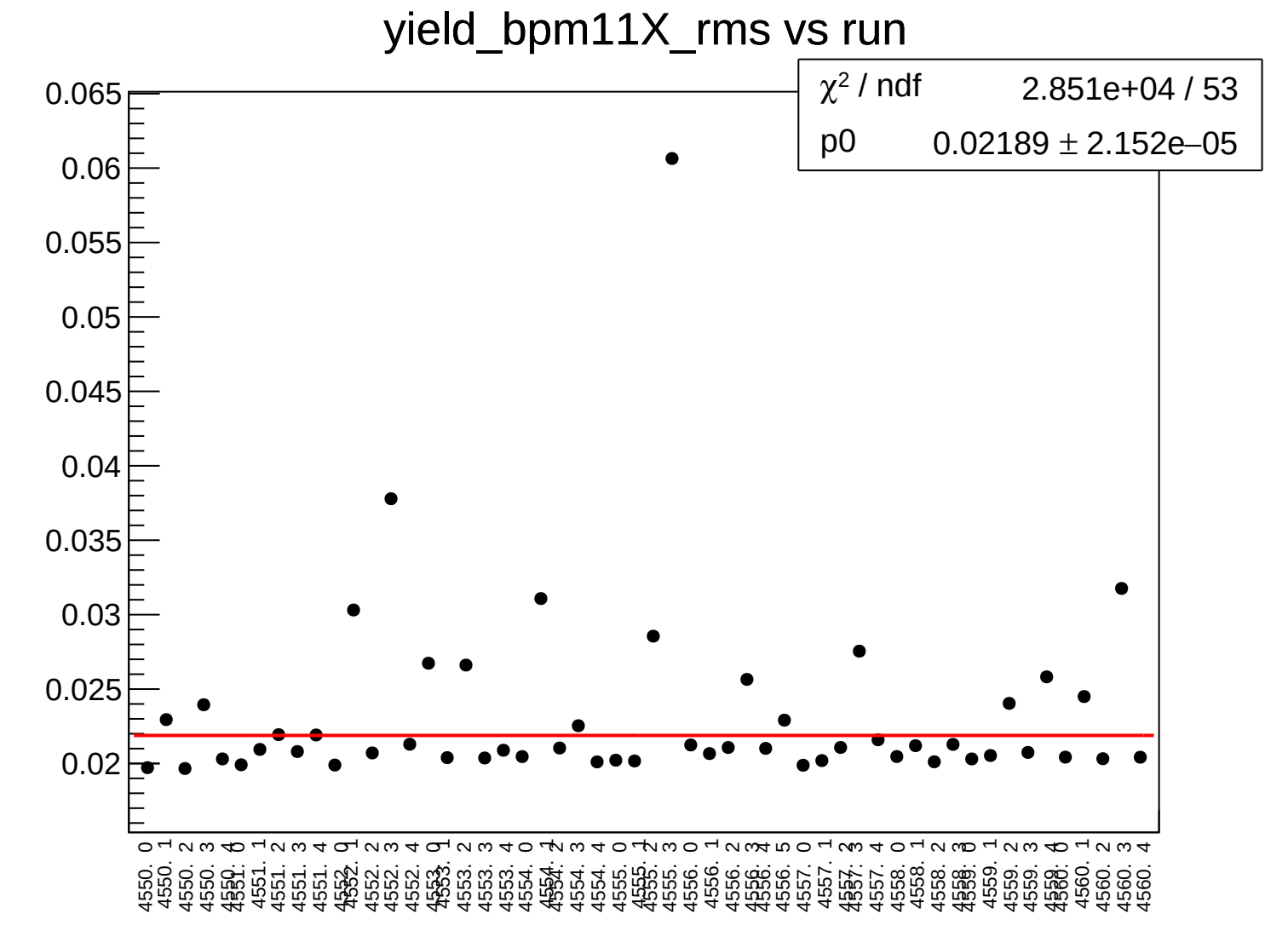

yield_bpm1Y_mean vs run
χ² / ndf 3.74e+05 / 53
p0 −0.7892 ± 0.0001657
pull
Entries 54
Mean −243.7
Std Dev 275.3

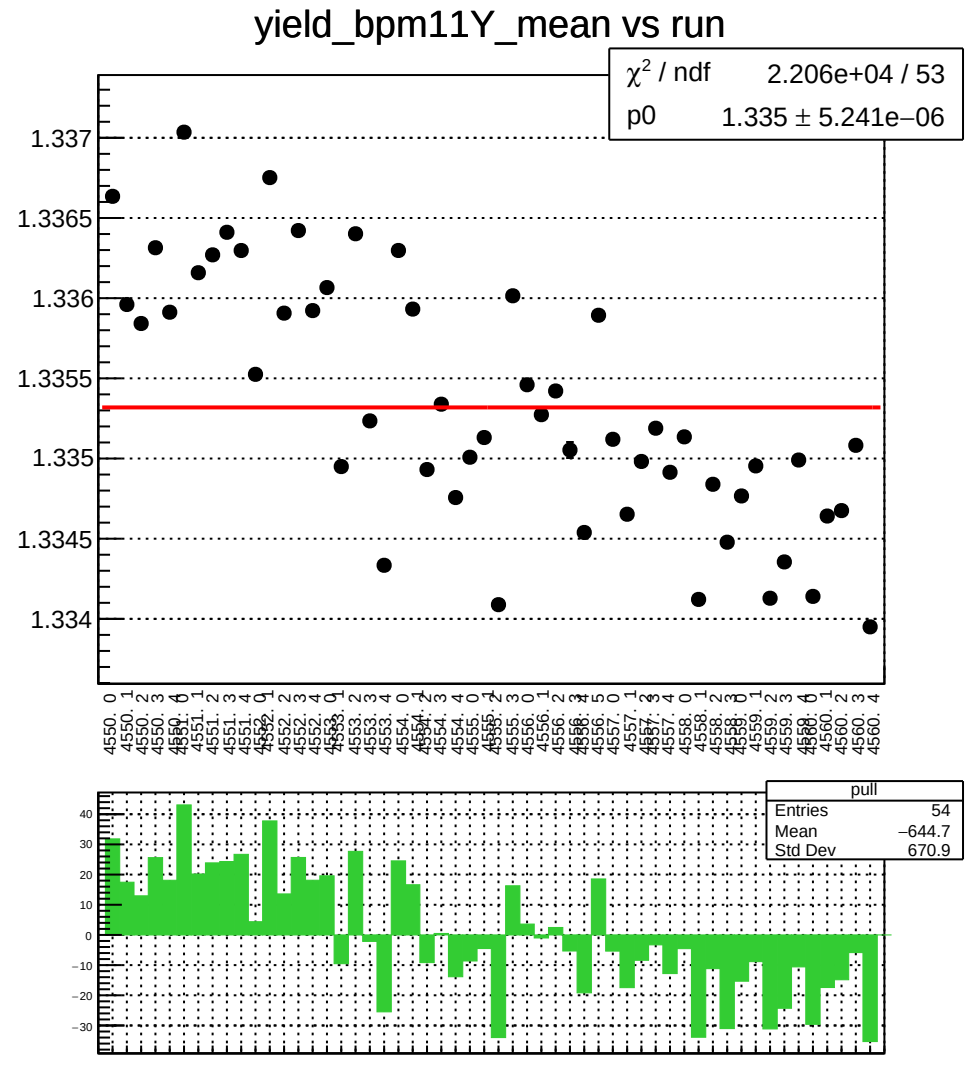

pull1D
Entries 54
Mean 0.6956
Std Dev 6.174

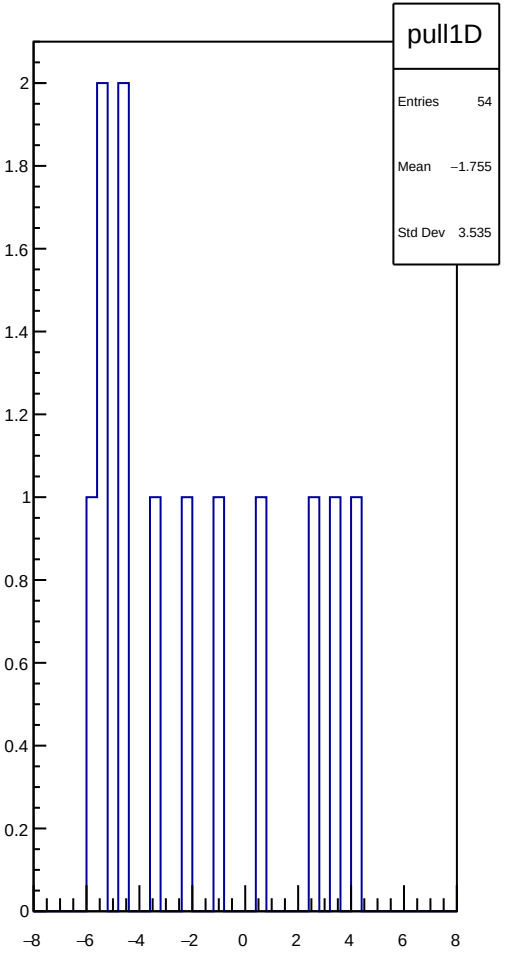

yield_bpm1Y_rms vs run
χ² / ndf 6.926e+04 / 53
p0 0.1168 ± 0.0001172
0.25
0.2
0.15
0.1
0.05

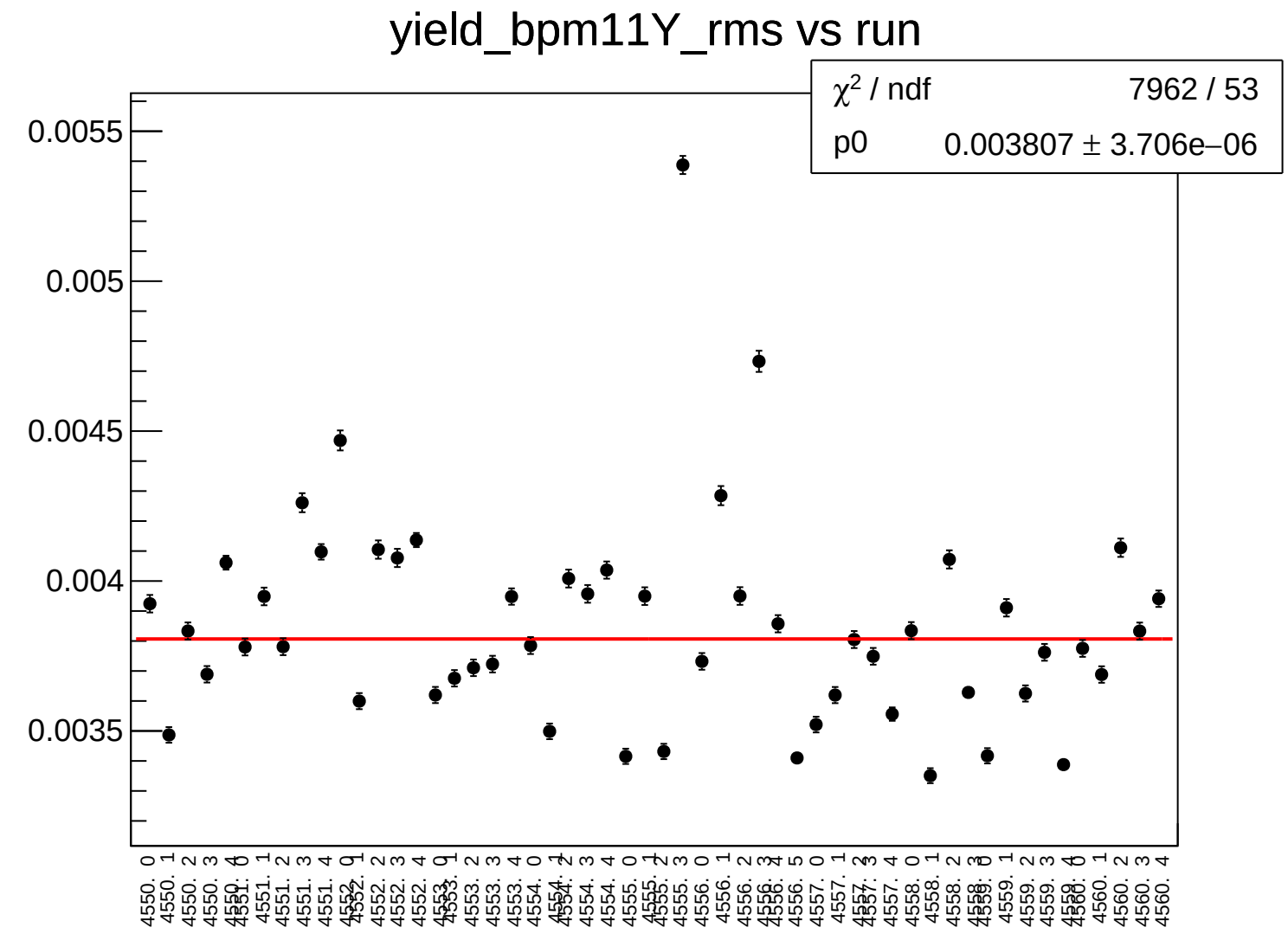

yield_bpm11X_mean vs run
χ² / ndf 2.857e+04 / 53
p0 1.129 ± 3.043e−05
pull
Entries 54
Mean 87.09
Std Dev 56.51

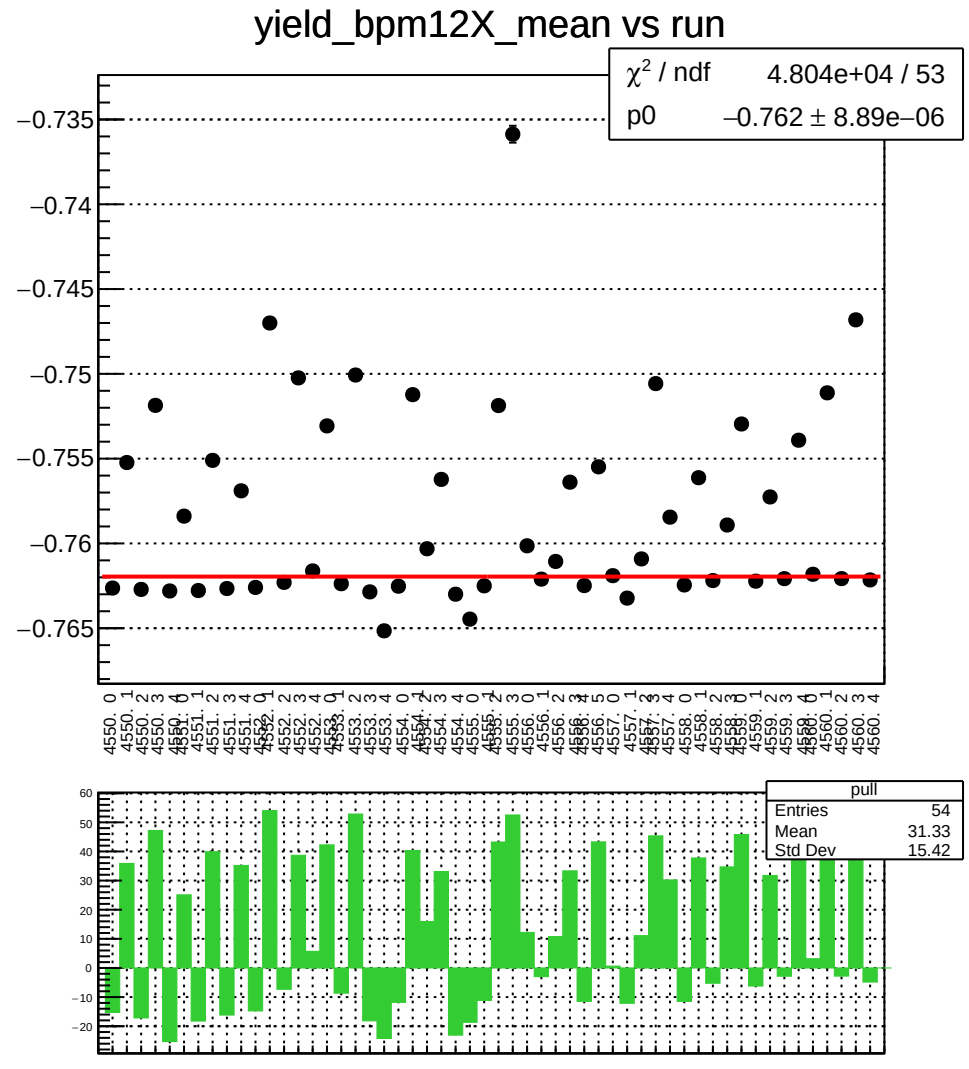

pull1D
Entries 54
Mean 1.367
Std Dev 3.736

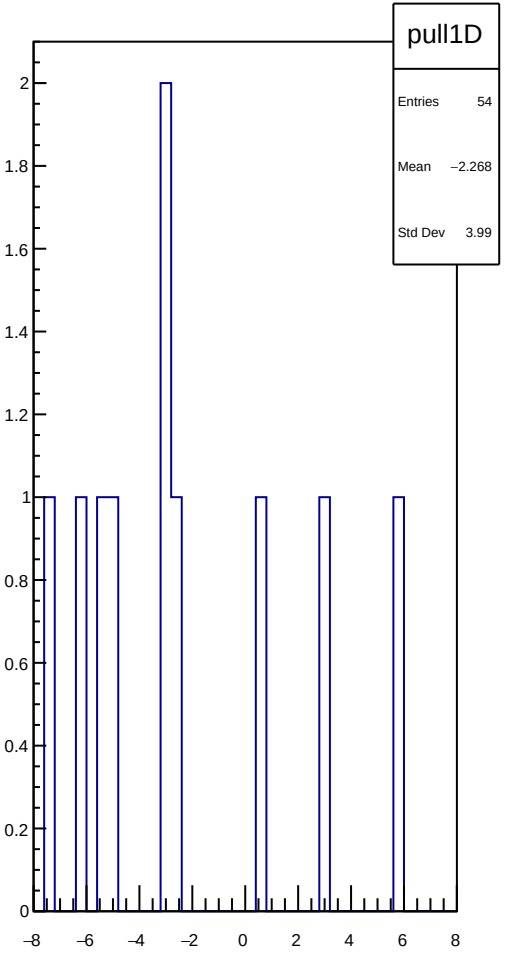

yield_bpm11X_rms vs run
χ² / ndf 2.851e+04 / 53
p0 0.02189 ± 2.152e–05
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02

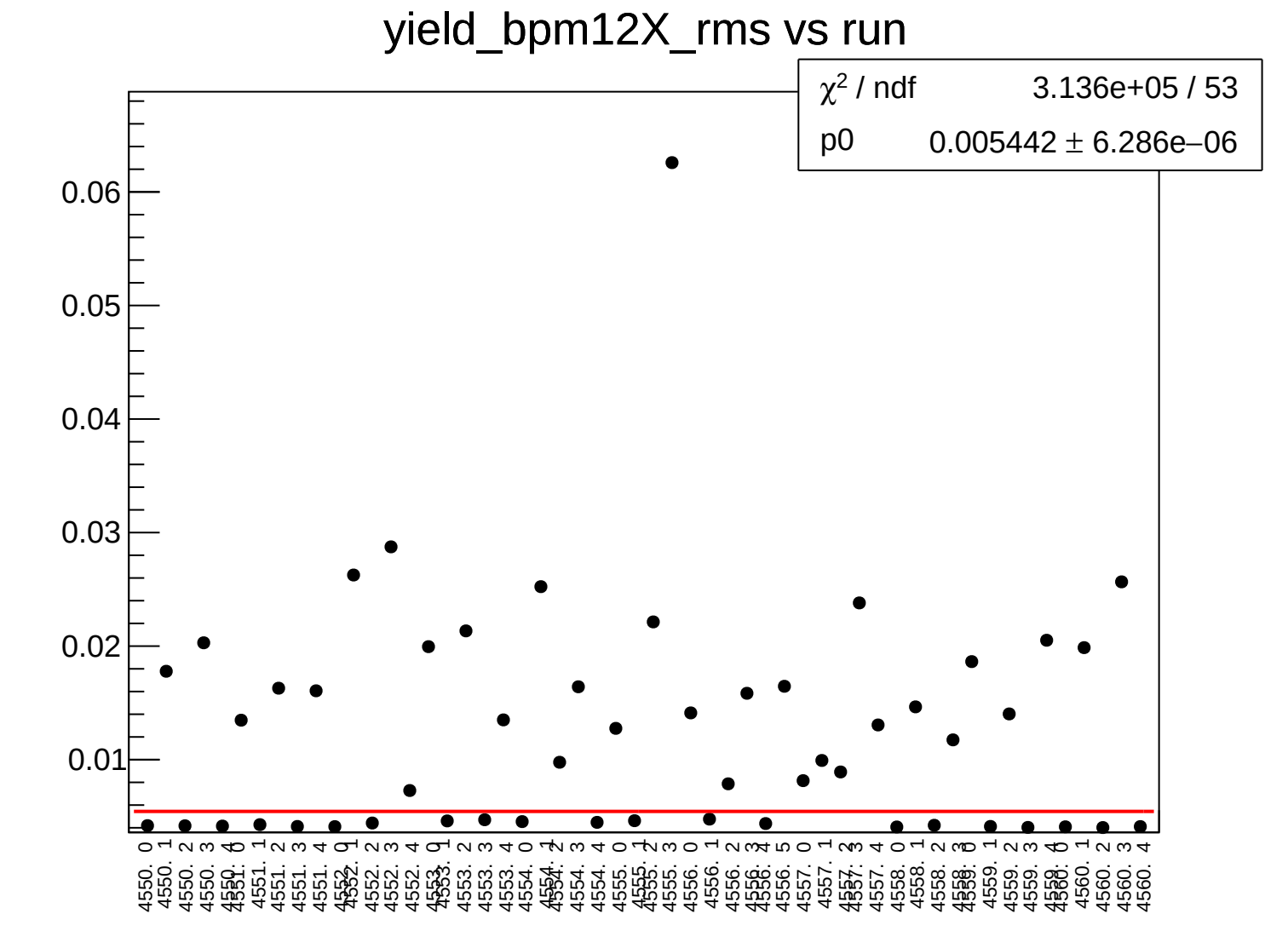

yield_bpm11Y_mean vs run
χ² / ndf 2.206e+04 / 53
p0 1.335 ± 5.241e−06
1.337
1.3365
1.336
1.3355
1.335
1.3345
1.334
pull
Entries 54
Mean −644.7
Std Dev 670.9
40
30
20
10
0
−10
−20
−30

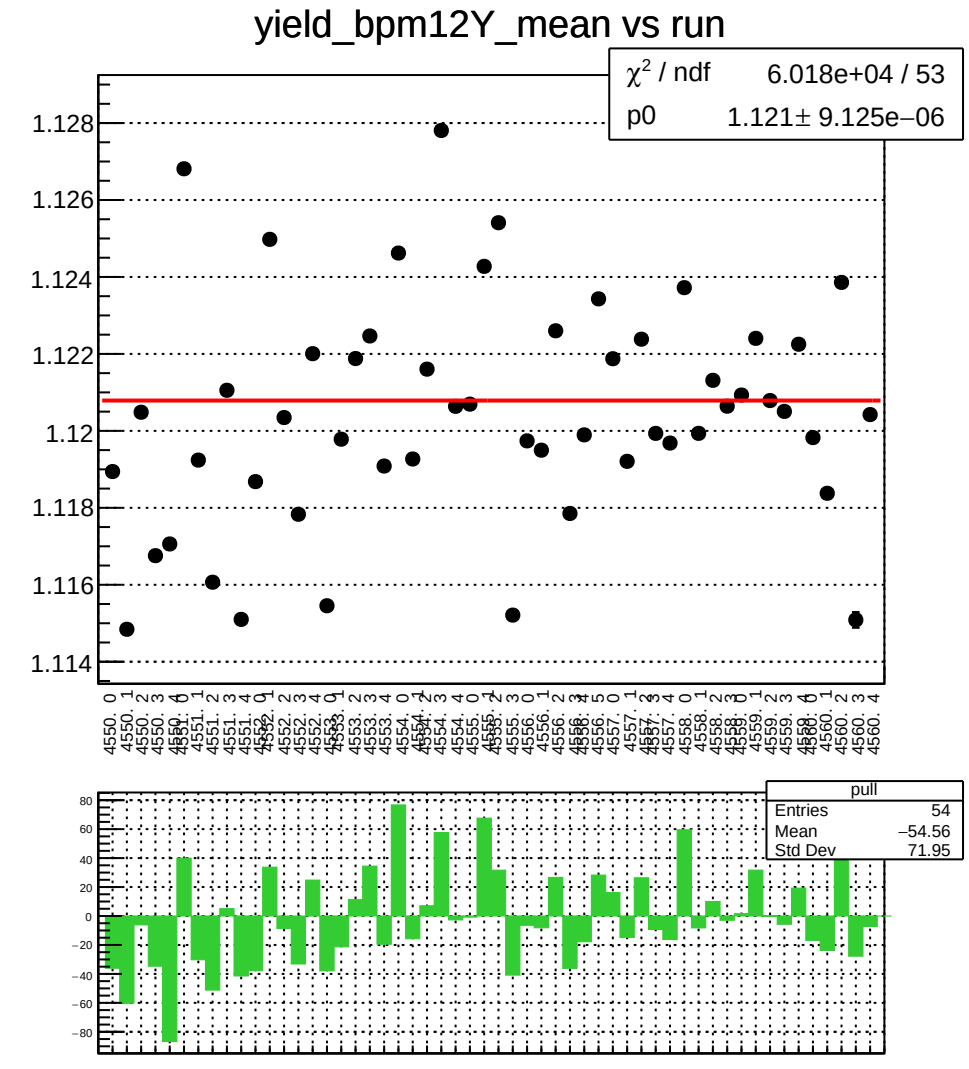

pull1D
Entries 54
Mean −1.755
Std Dev 3.535
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

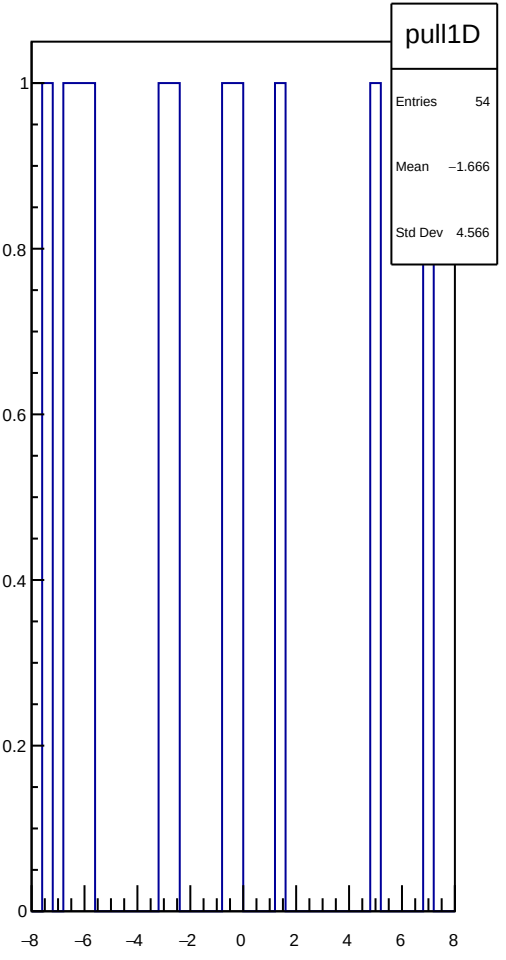

yield_bpm11Y_rms vs run
χ² / ndf 7962 / 53
p0 0.003807 ± 3.706e−06
0.0055
0.005
0.0045
0.004
0.0035

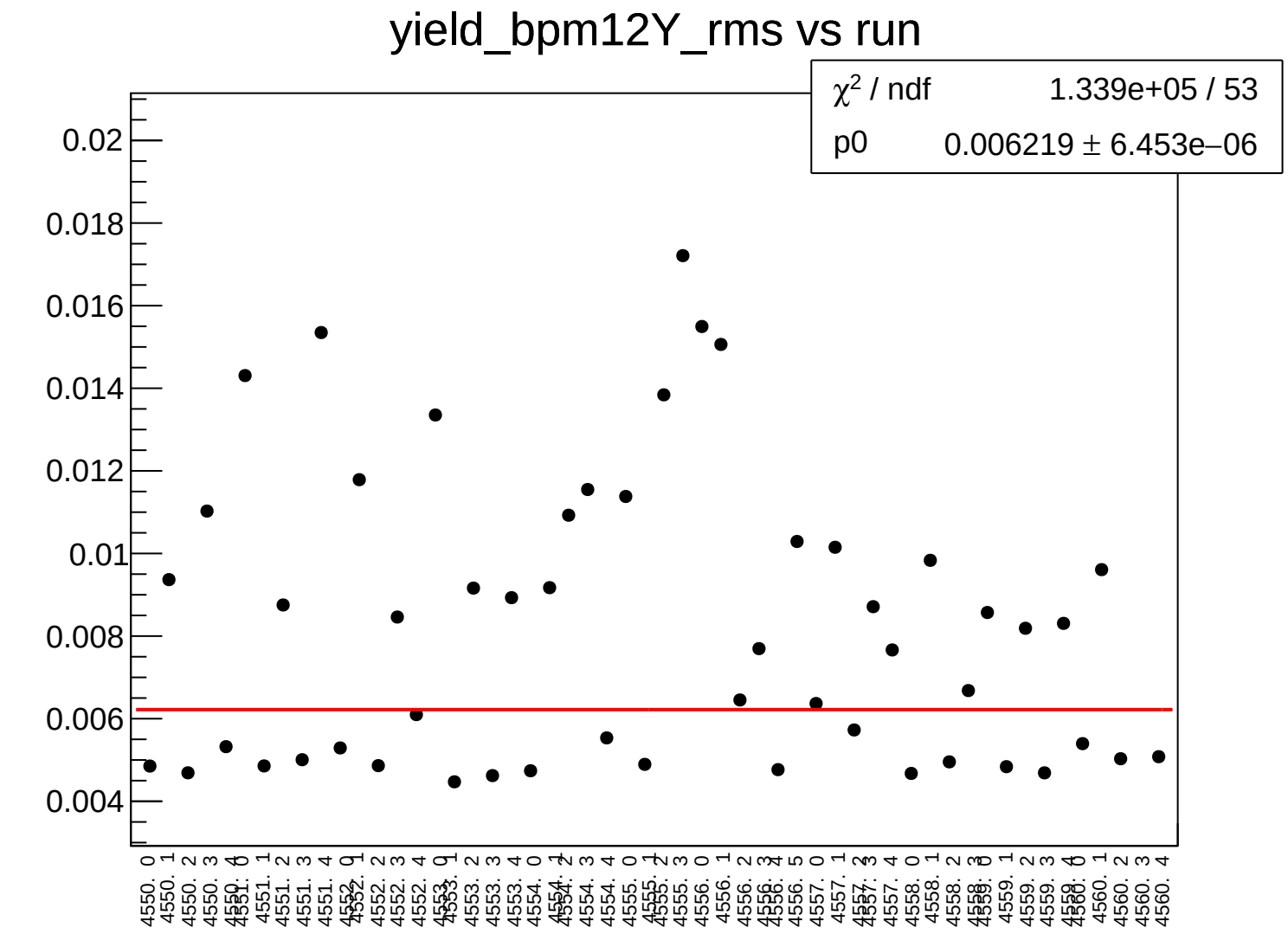

yield_bpm12X_mean vs run
χ² / ndf 4.804e+04 / 53
p0 −0.762 ± 8.89e−06
−0.735
−0.74
−0.745
−0.75
−0.755
−0.76
−0.765
pull
Entries 54
Mean 31.33
Std Dev 15.42
60
50
40
30
20
10
0
−10
−20

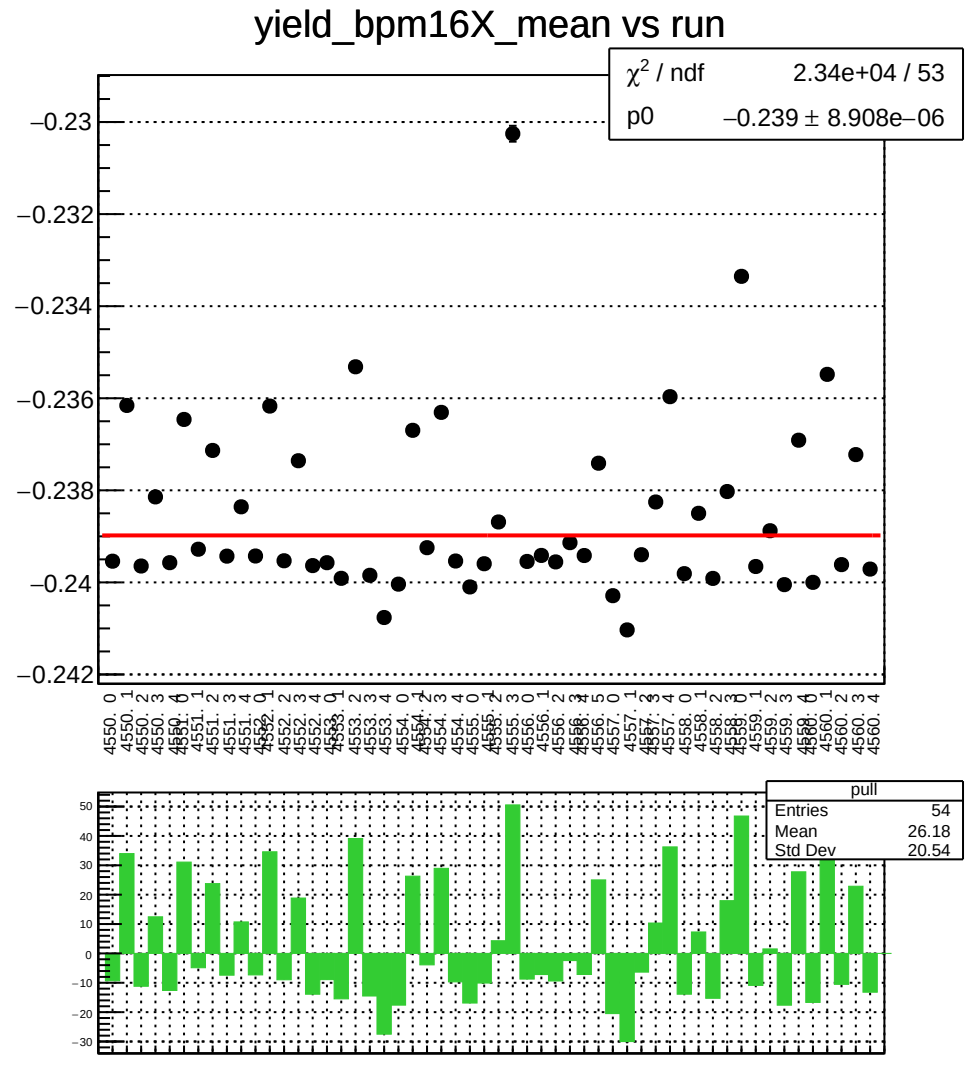

pull1D
Entries 54
Mean −2.268
Std Dev 3.99
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

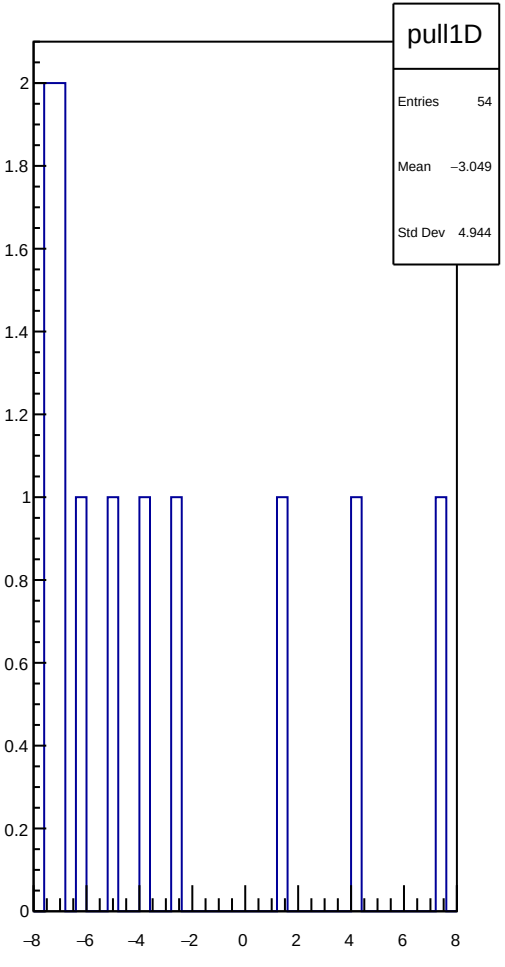

yield_bpm12X_rms vs run
χ² / ndf 3.136e+05 / 53
p0 0.005442 ± 6.286e−06
0.06
0.05
0.04
0.03
0.02
0.01

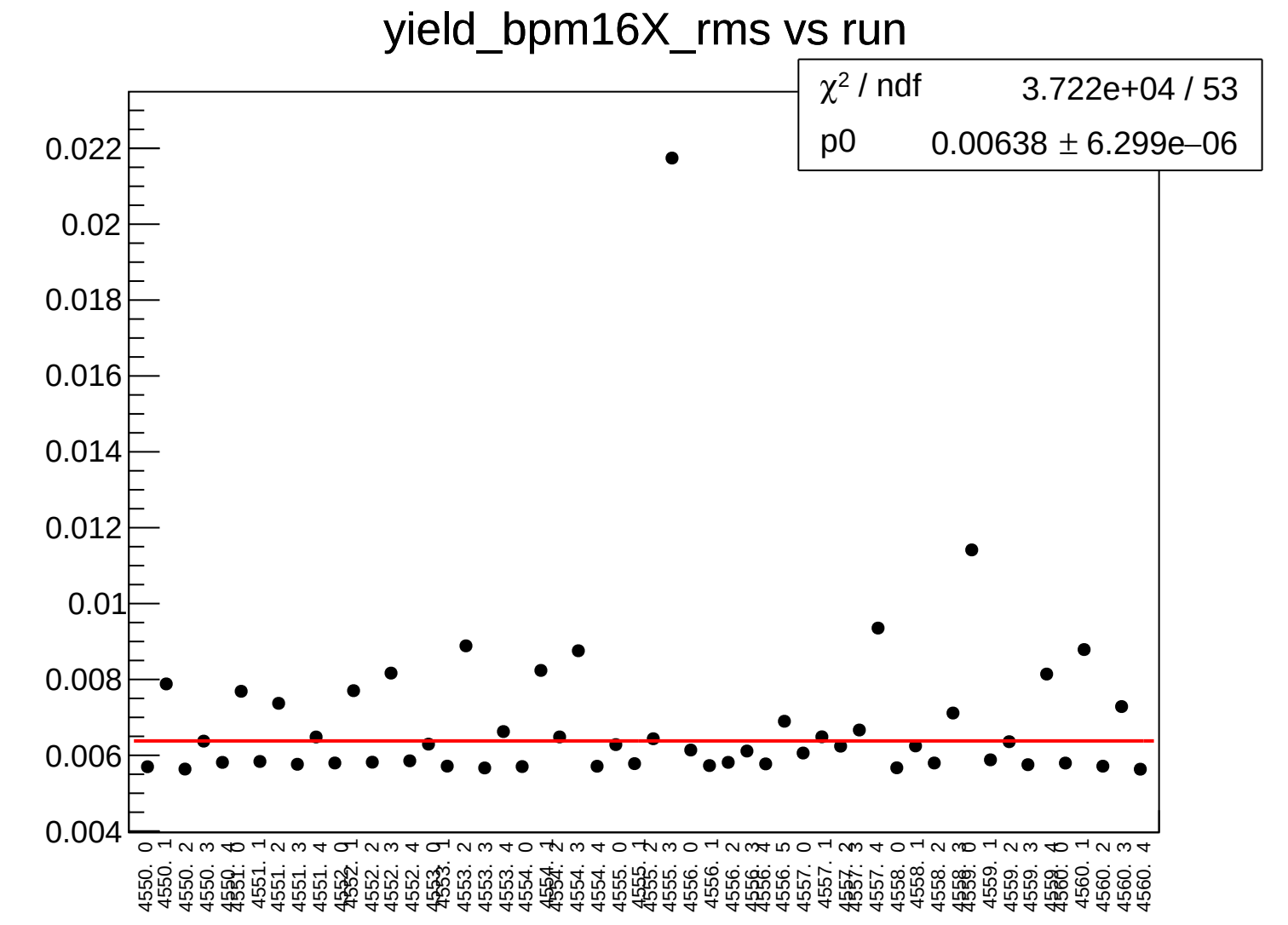

yield_bpm12Y_mean vs run
χ² / ndf 6.018e+04 / 53
p0 1.121± 9.125e−06
1.128
1.126
1.124
1.122
1.12
1.118
1.116
1.114
pull
Entries 54
Mean −54.56
Std Dev 71.95
80
60
40
20
0
−20
−40
−60
−80

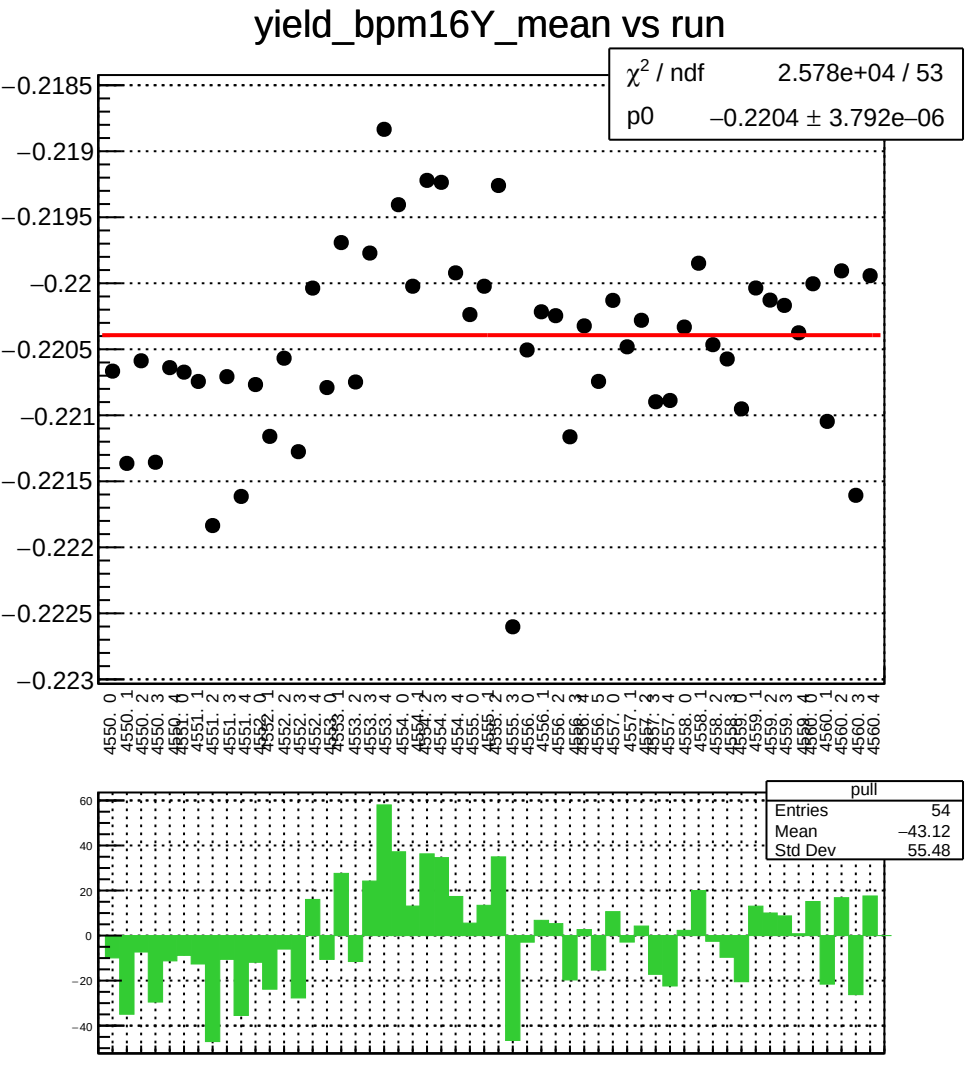

pull1D
Entries 54
Mean −1.666
Std Dev 4.566
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

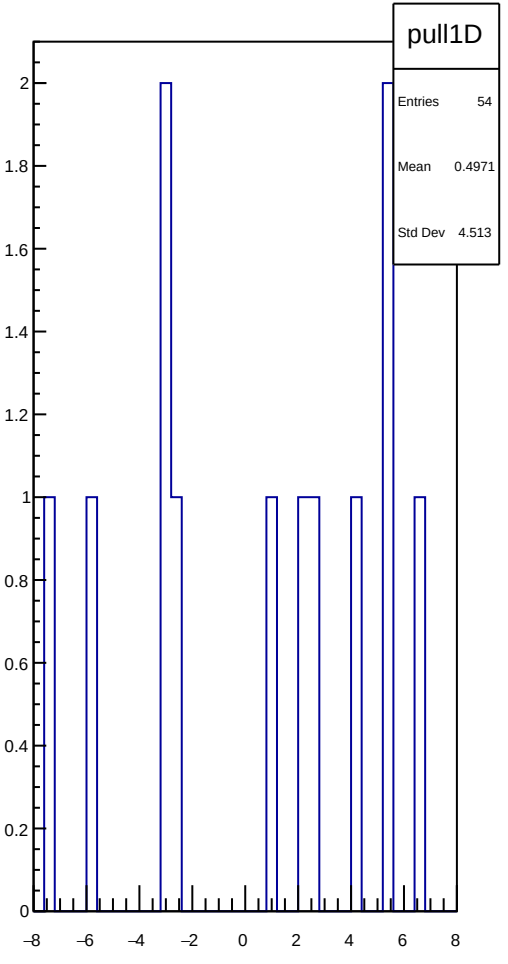

yield_bpm12Y_rms vs run
χ^2 / ndf 1.339e+05 / 53
p0 0.006219 ± 6.453e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

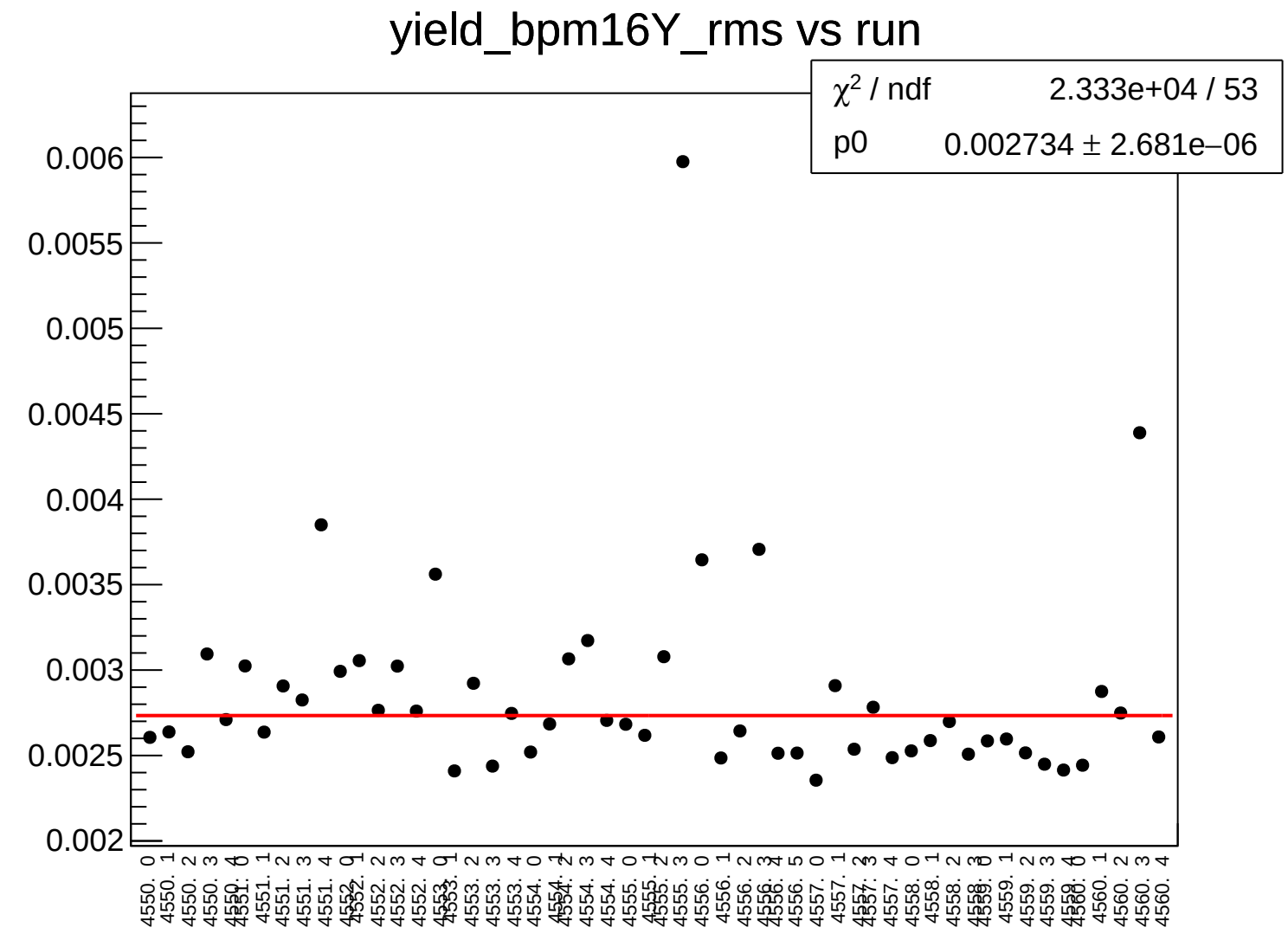

yield_bpm16X_mean vs run
χ² / ndf 2.34e+04 / 53
p0 −0.239 ± 8.908e−06
−0.23
−0.232
−0.234
−0.236
−0.238
−0.24
−0.242
pull
Entries 54
Mean 26.18
Std Dev 20.54
50
40
30
20
10
0
−10
−20
−30

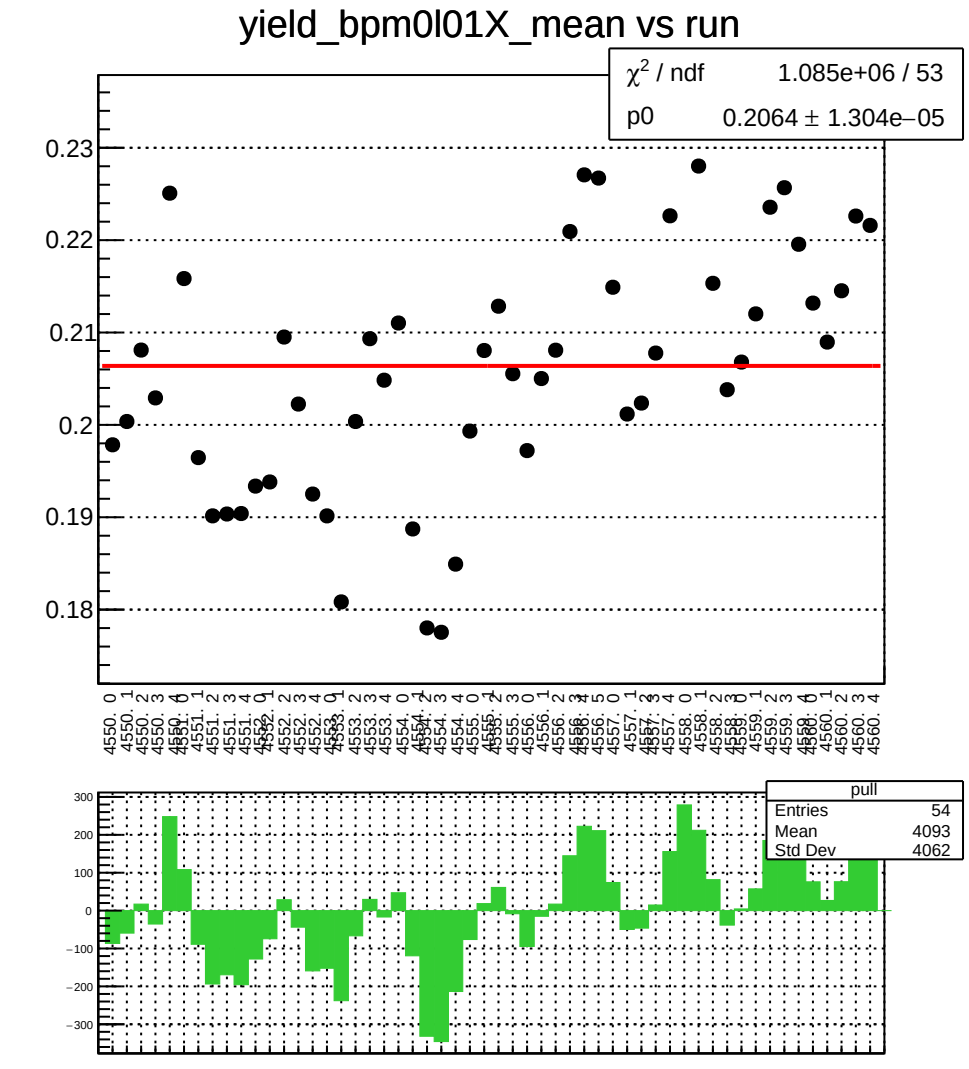

pull1D
Entries 54
Mean −3.049
Std Dev 4.944
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

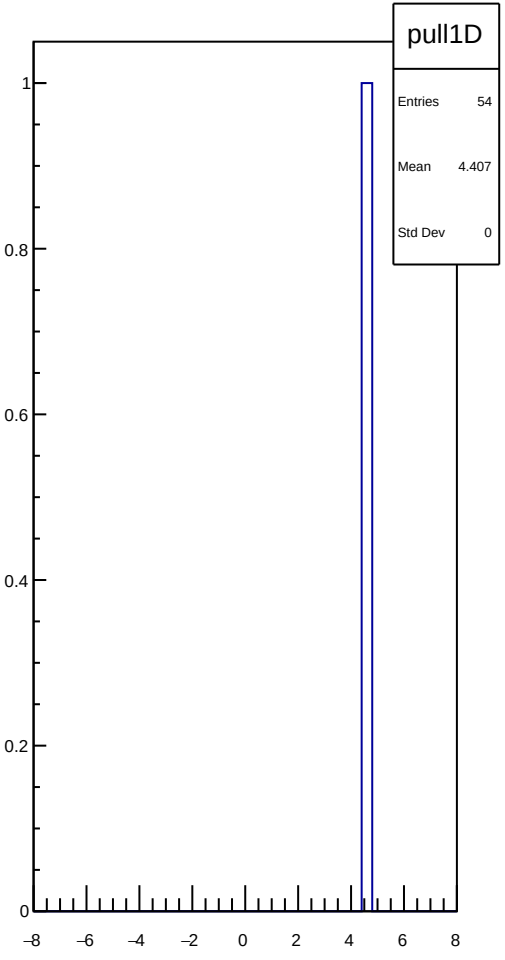

yield_bpm16X_rms vs run
χ² / ndf 3.722e+04 / 53
p0 0.00638 ± 6.299e–06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

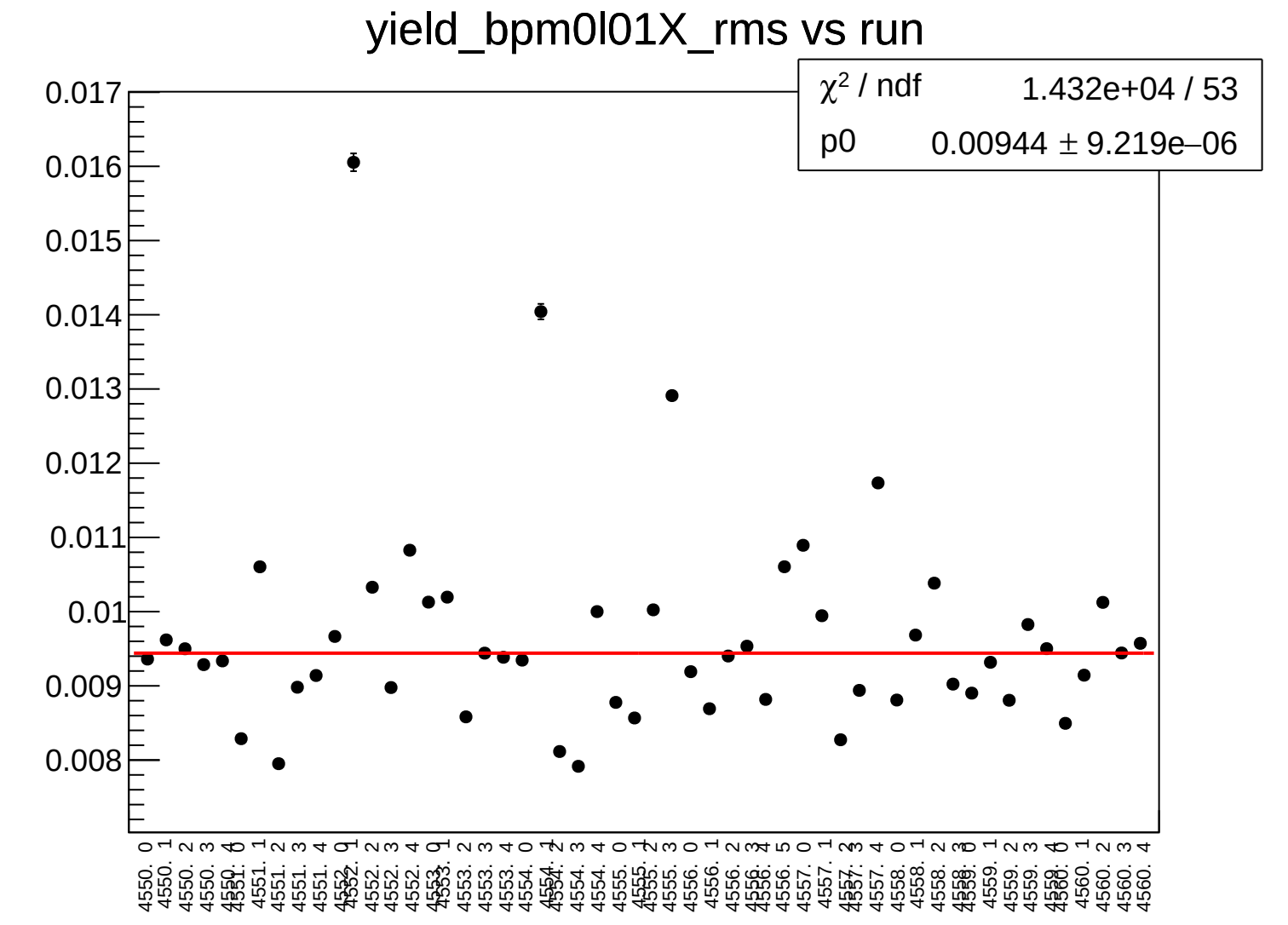

yield_bpm16Y_mean vs run
χ² / ndf 2.578e+04 / 53
p0 −0.2204 ± 3.792e−06
pull
Entries 54
Mean −43.12
Std Dev 55.48

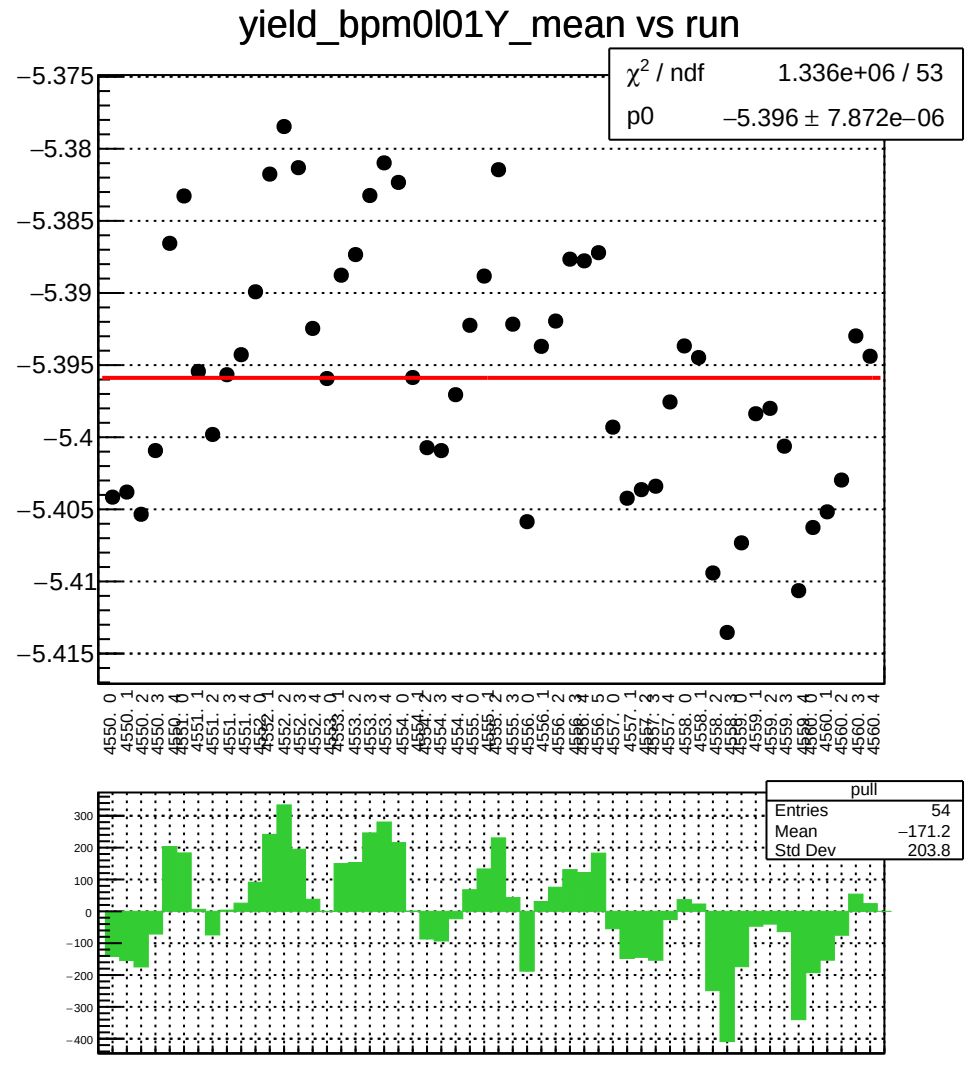

pull1D
Entries 54
Mean 0.4971
Std Dev 4.513

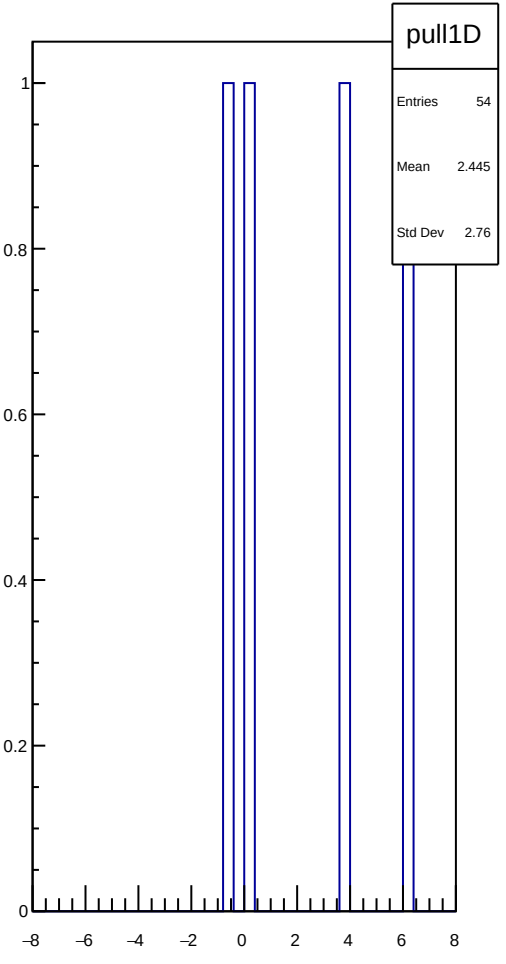

yield_bpm16Y_rms vs run
χ² / ndf 2.333e+04 / 53
p0 0.002734 ± 2.681e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
0.002

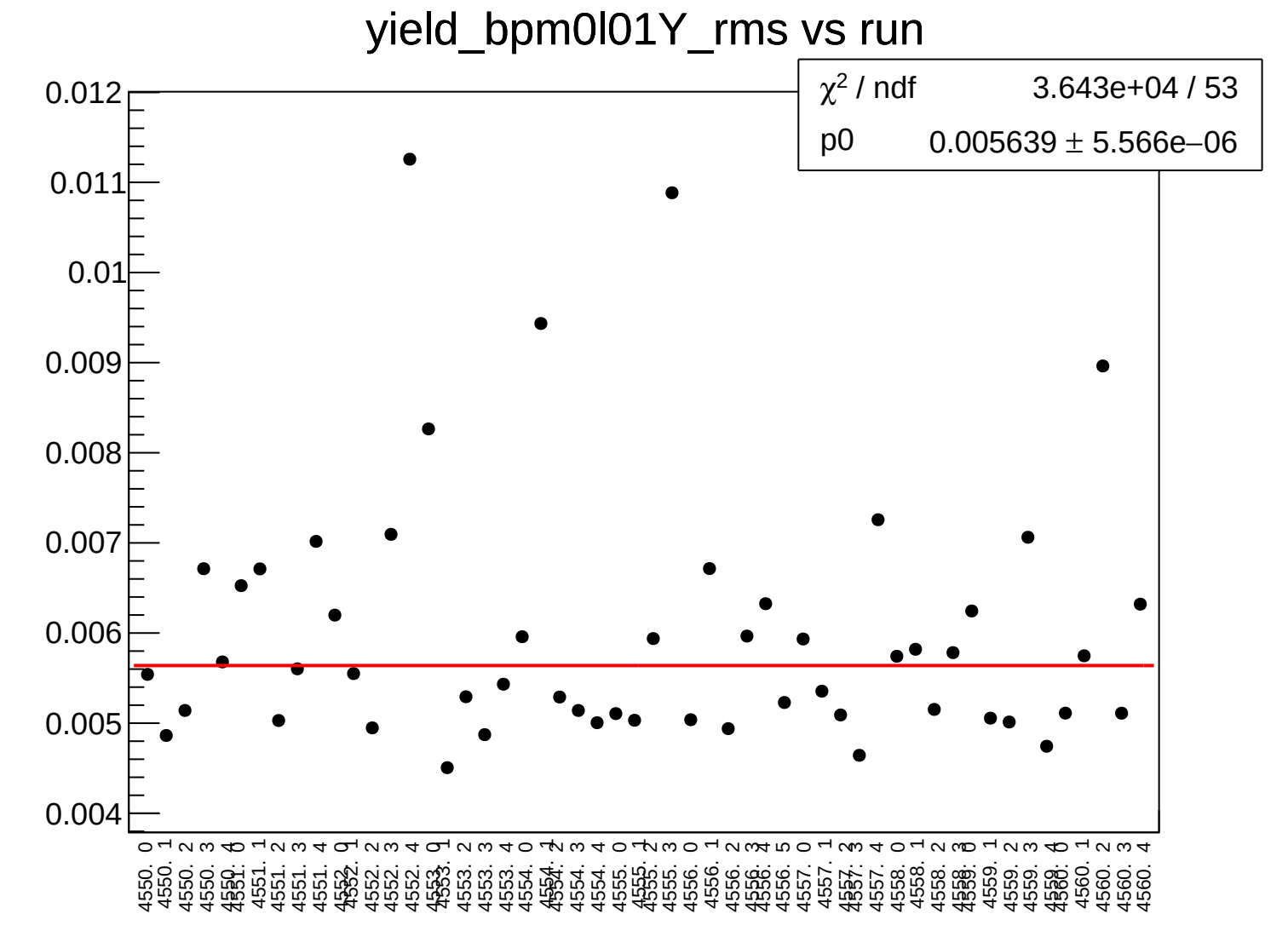

yield_bpm0l01X_mean vs run
χ² / ndf 1.085e+06 / 53
p0 0.2064 ± 1.304e−05
0.23
0.22
0.21
0.2
0.19
0.18
pull
Entries 54
Mean 4093
Std Dev 4062
300
200
100
0
−100
−200
−300

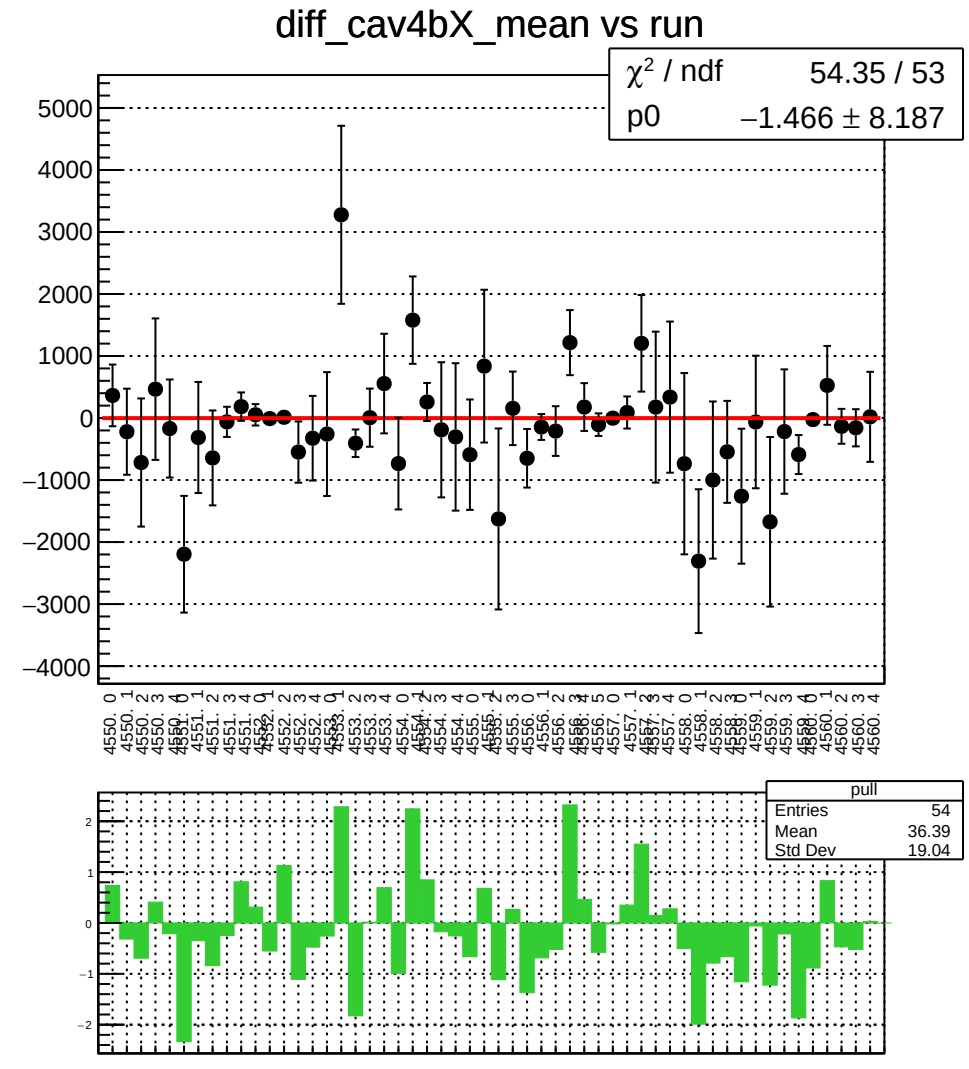

pull1D
Entries 54
Mean 4.407
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

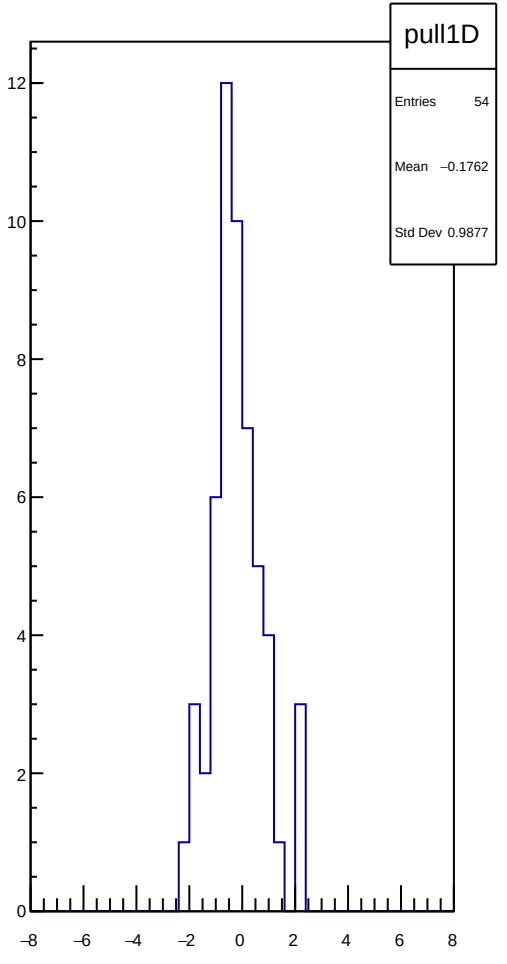

yield_bpm0l01X_rms vs run
χ² / ndf 1.432e+04 / 53
p0 0.00944 ± 9.219e−06
0.017
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008

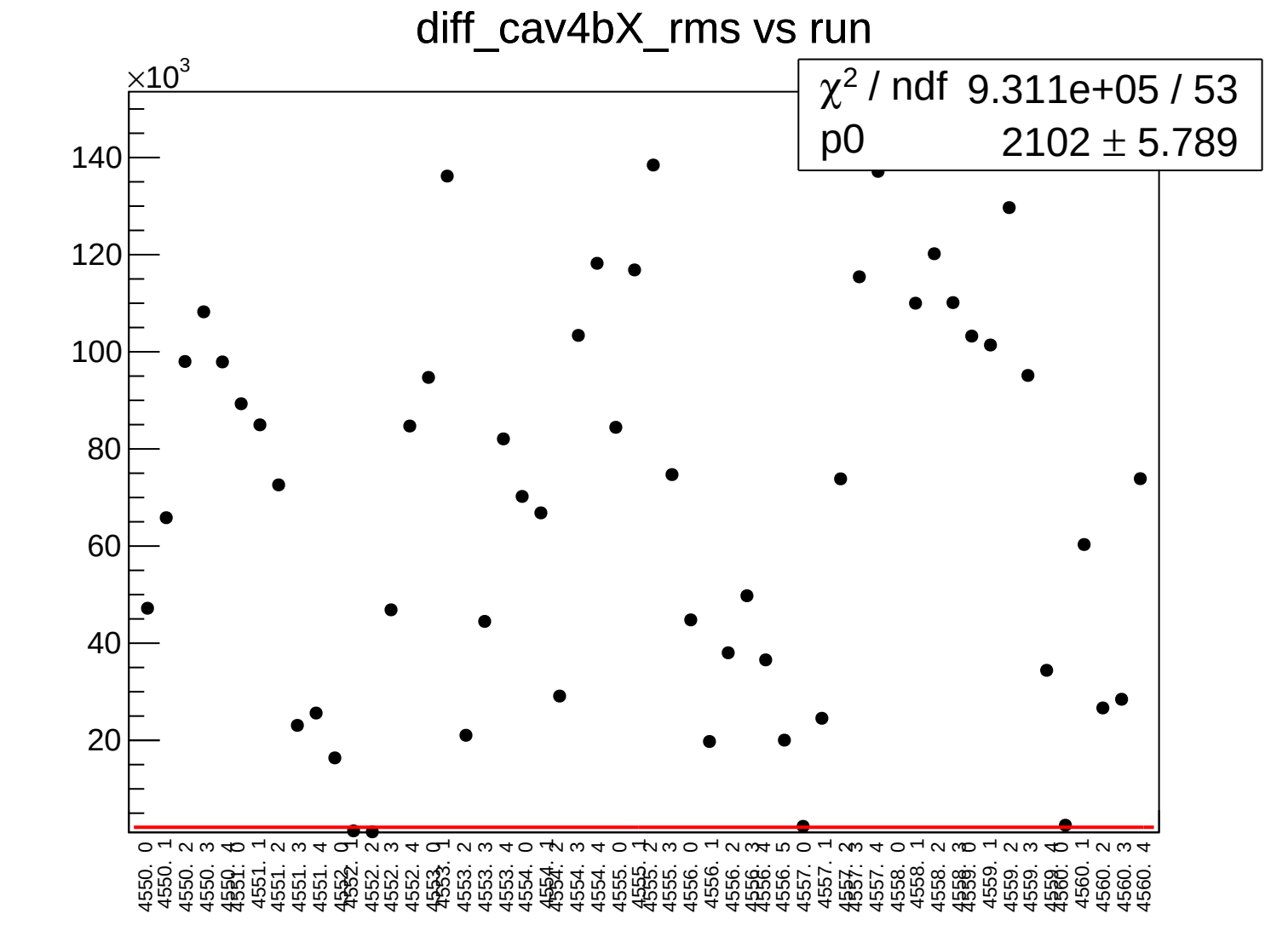

yield_bpm0l01Y_mean vs run
χ² / ndf 1.336e+06 / 53
p0 −5.396 ± 7.872e−06
−5.375
−5.38
−5.385
−5.39
−5.395
−5.4
−5.405
−5.41
−5.415
pull
Entries 54
Mean −171.2
Std Dev 203.8
300
200
100
0
−100
−200
−300
−400

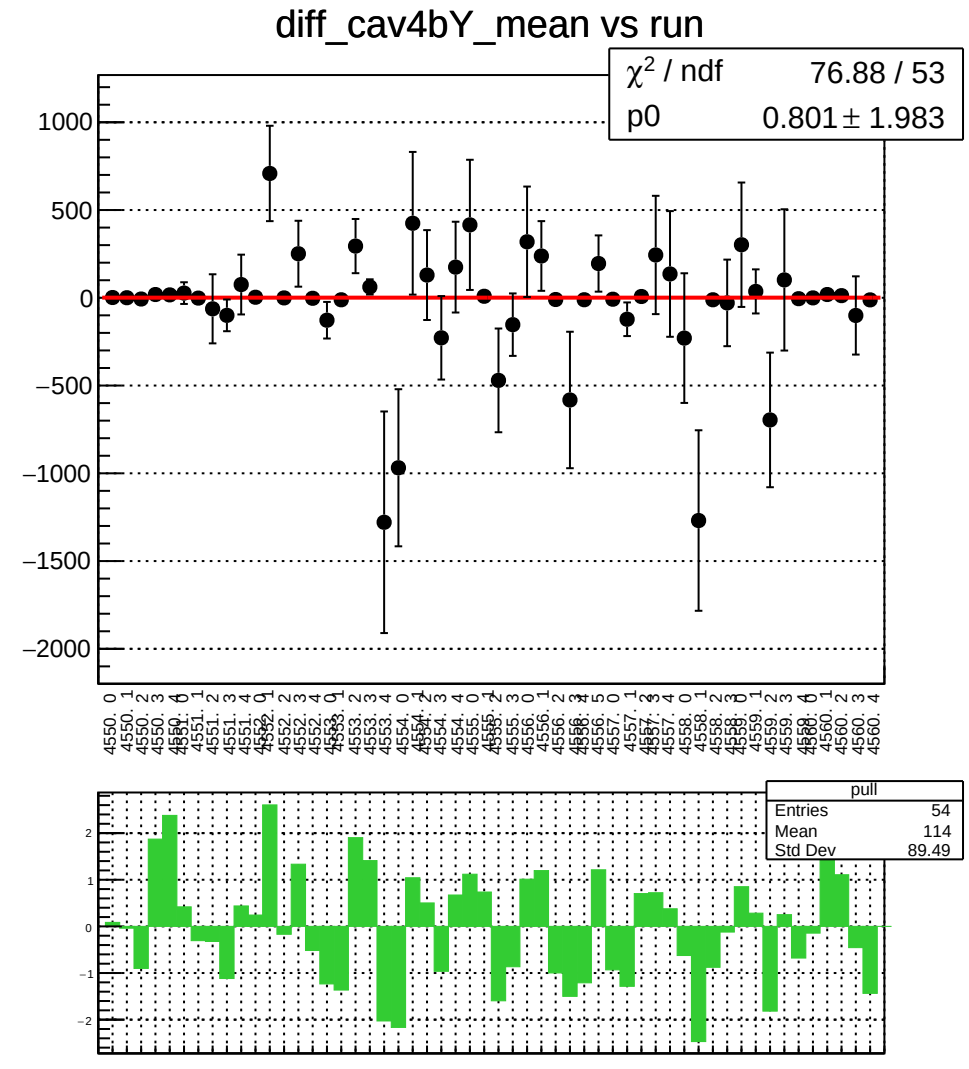

pull1D
Entries 54
Mean 2.445
Std Dev 2.76
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

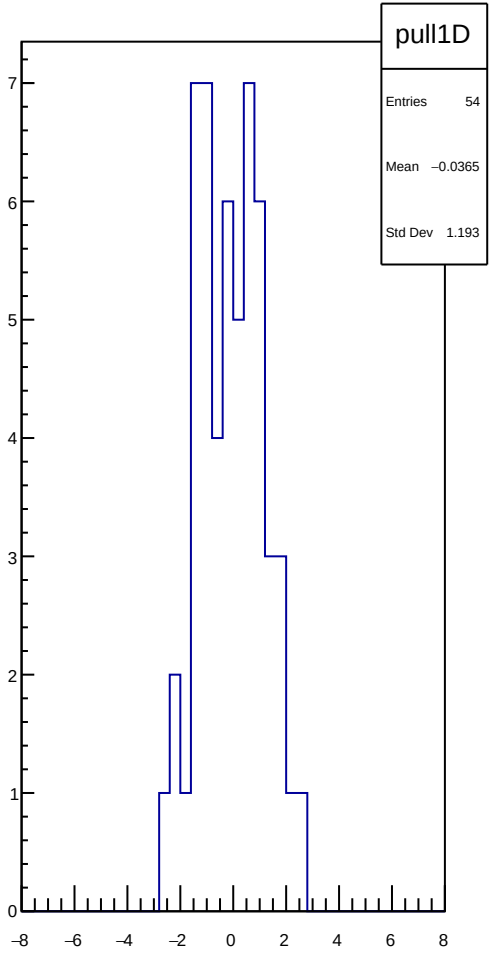

yield_bpm0l01Y_rms vs run
χ² / ndf 3.643e+04 / 53
p0 0.005639 ± 5.566e−06
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

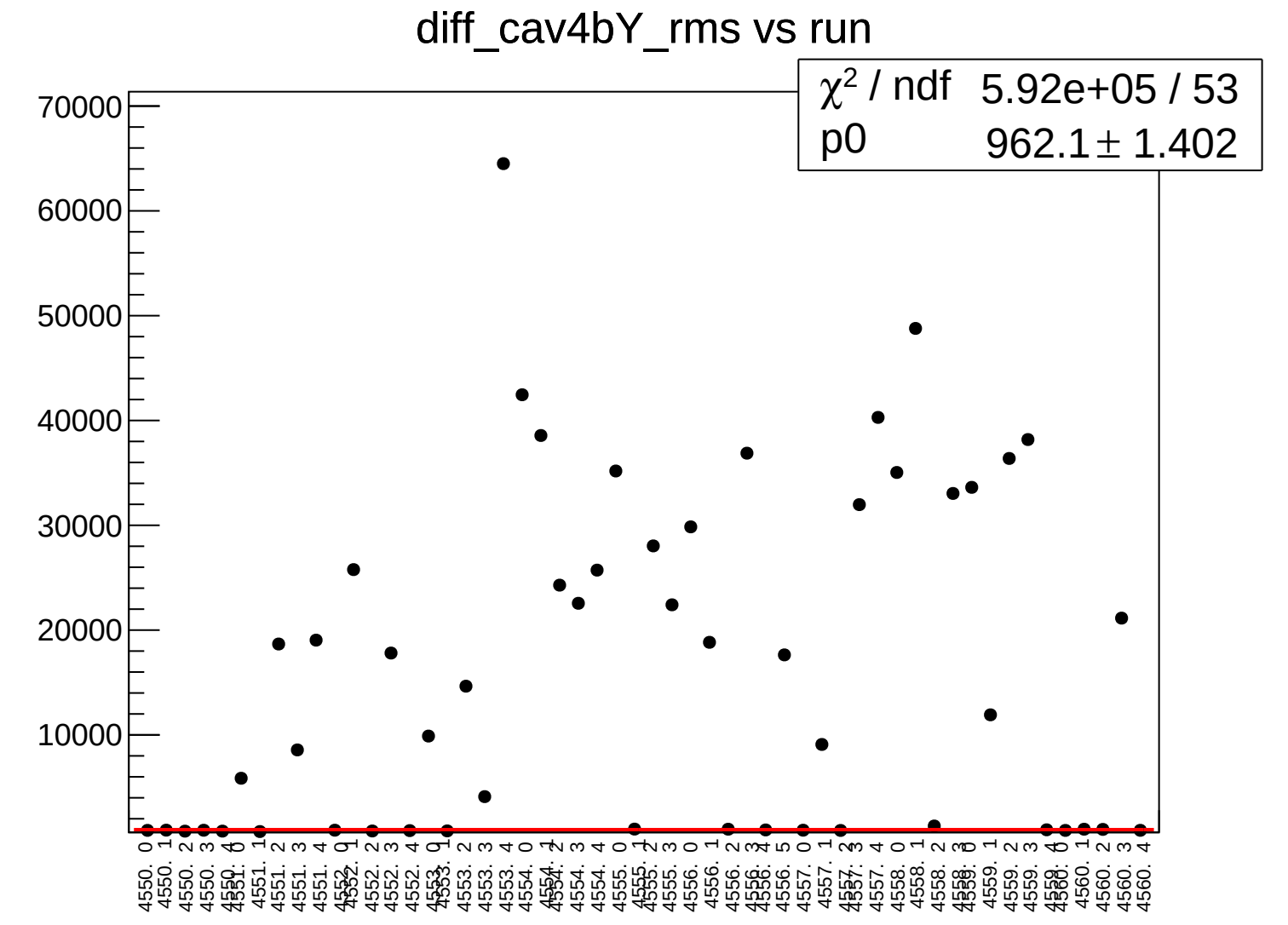

diff_cav4bX_mean vs run
χ² / ndf 54.35 / 53
p0 −1.466 ± 8.187
pull
Entries 54
Mean 36.39
Std Dev 19.04

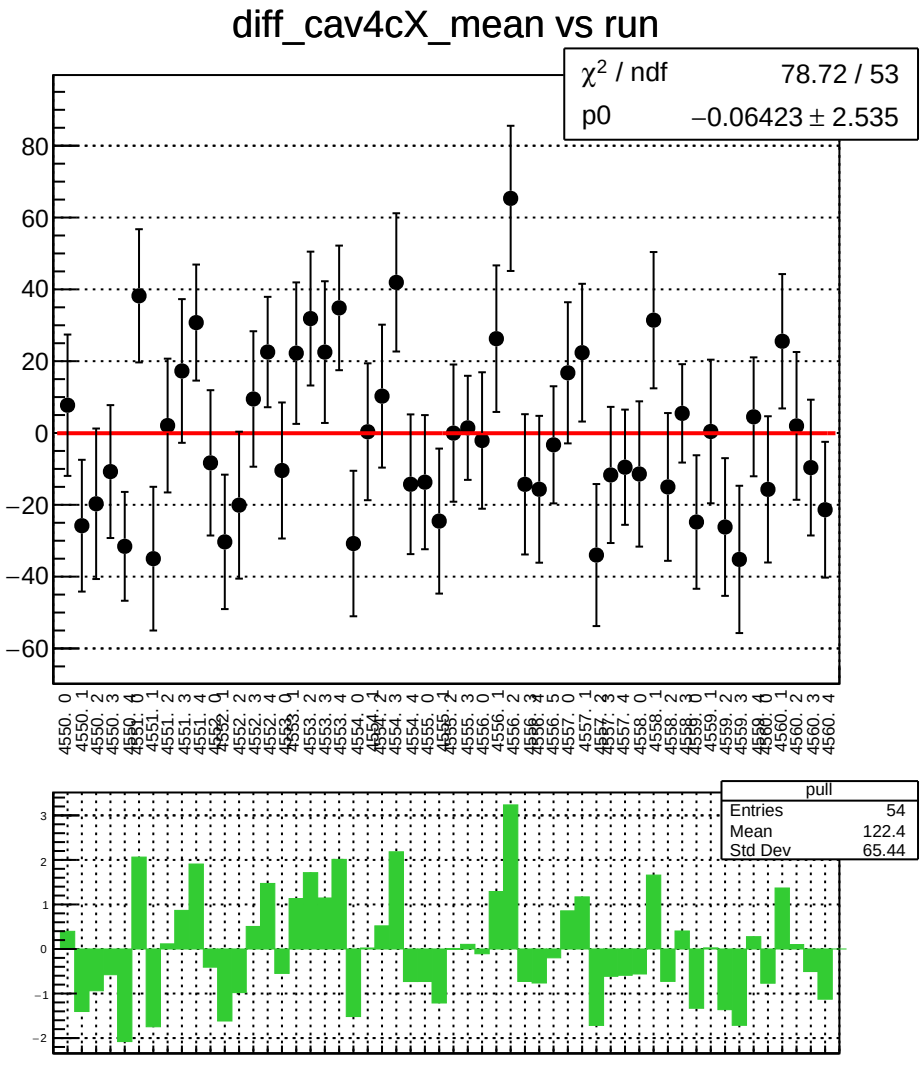

pull1D
Entries 54
Mean −0.1762
Std Dev 0.9877

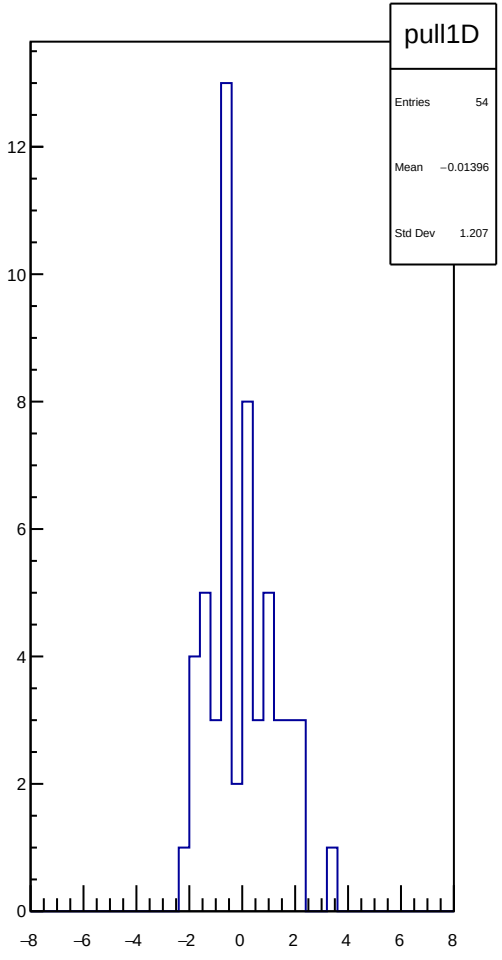

diff_cav4bX_rms vs run
×10^3
χ^2 / ndf 9.311e+05 / 53
p0 2102 ± 5.789
140
120
100
80
60
40
20
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

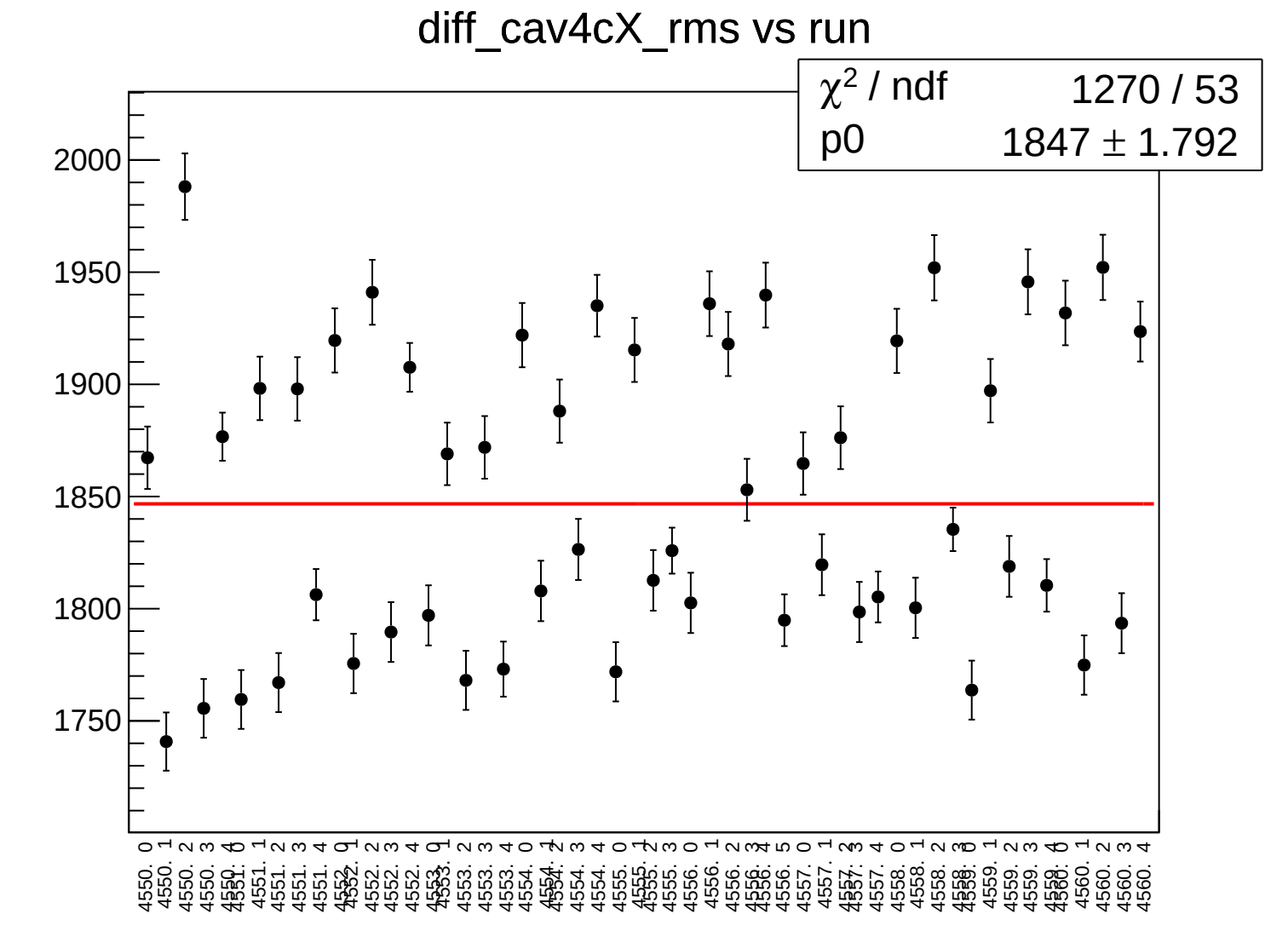

diff_cav4bY_mean vs run
χ² / ndf 76.88 / 53
p0 0.801 ± 1.983
pull
Entries 54
Mean 114
Std Dev 89.49

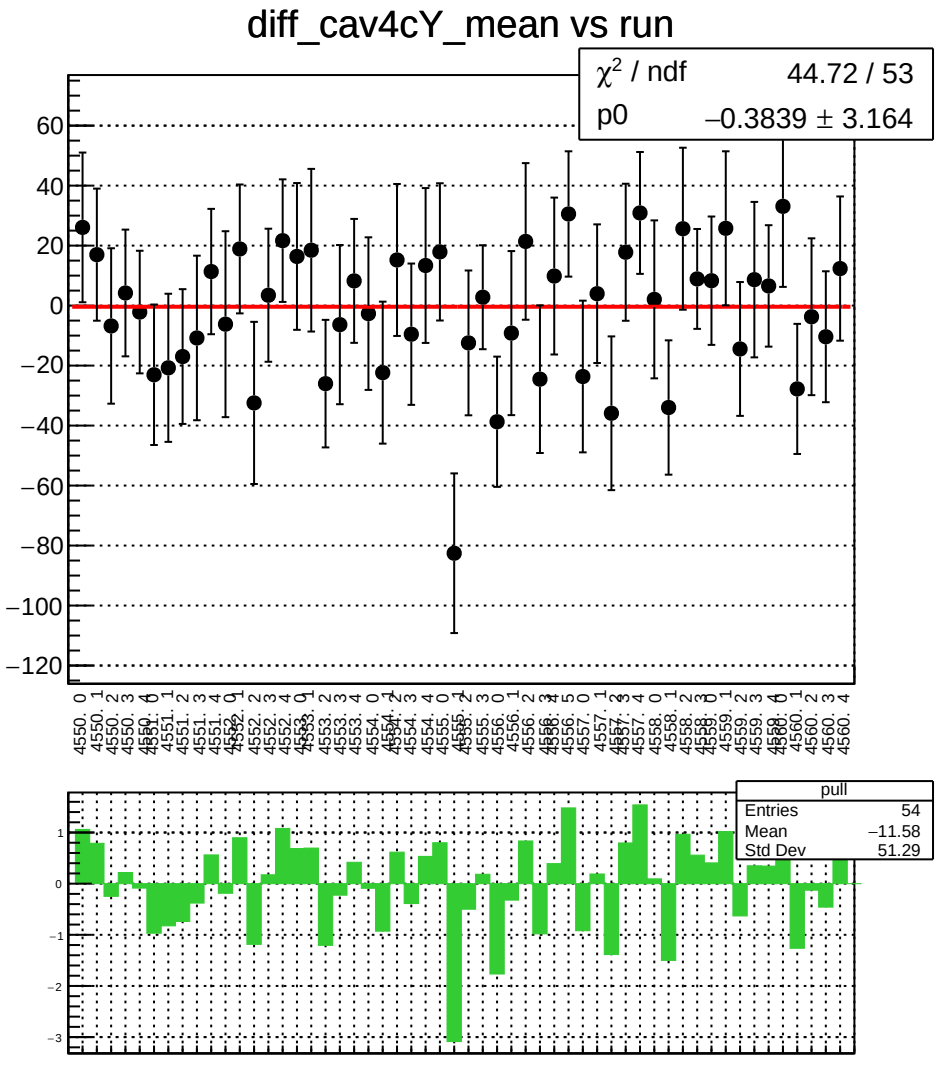

pull1D
Entries 54
Mean −0.0365
Std Dev 1.193

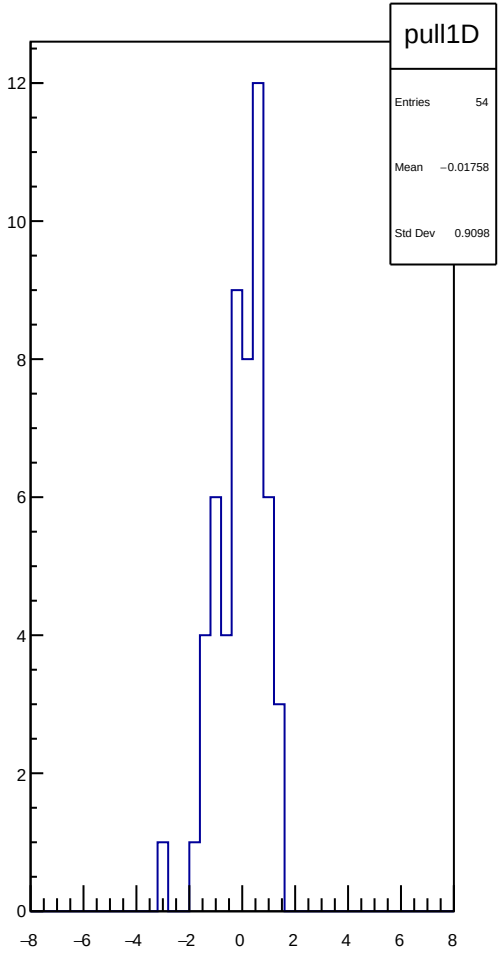

diff_cav4bY_rms vs run
χ^2 / ndf 5.92e+05 / 53
p0 962.1 ± 1.402
70000
60000
50000
40000
30000
20000
10000

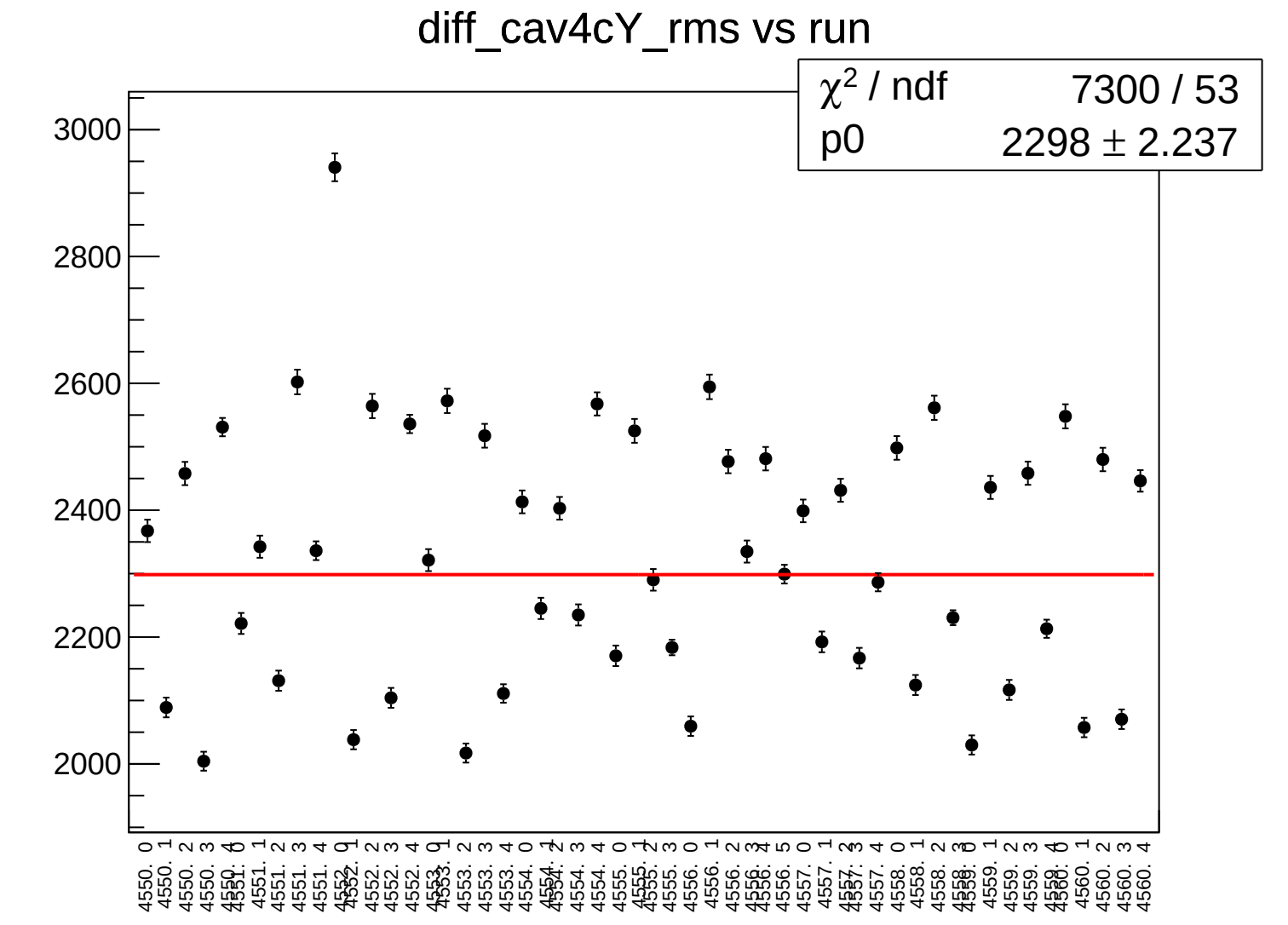

diff_cav4cX_mean vs run
χ² / ndf 78.72 / 53
p0 −0.06423 ± 2.535
pull
Entries 54
Mean 122.4
Std Dev 65.44

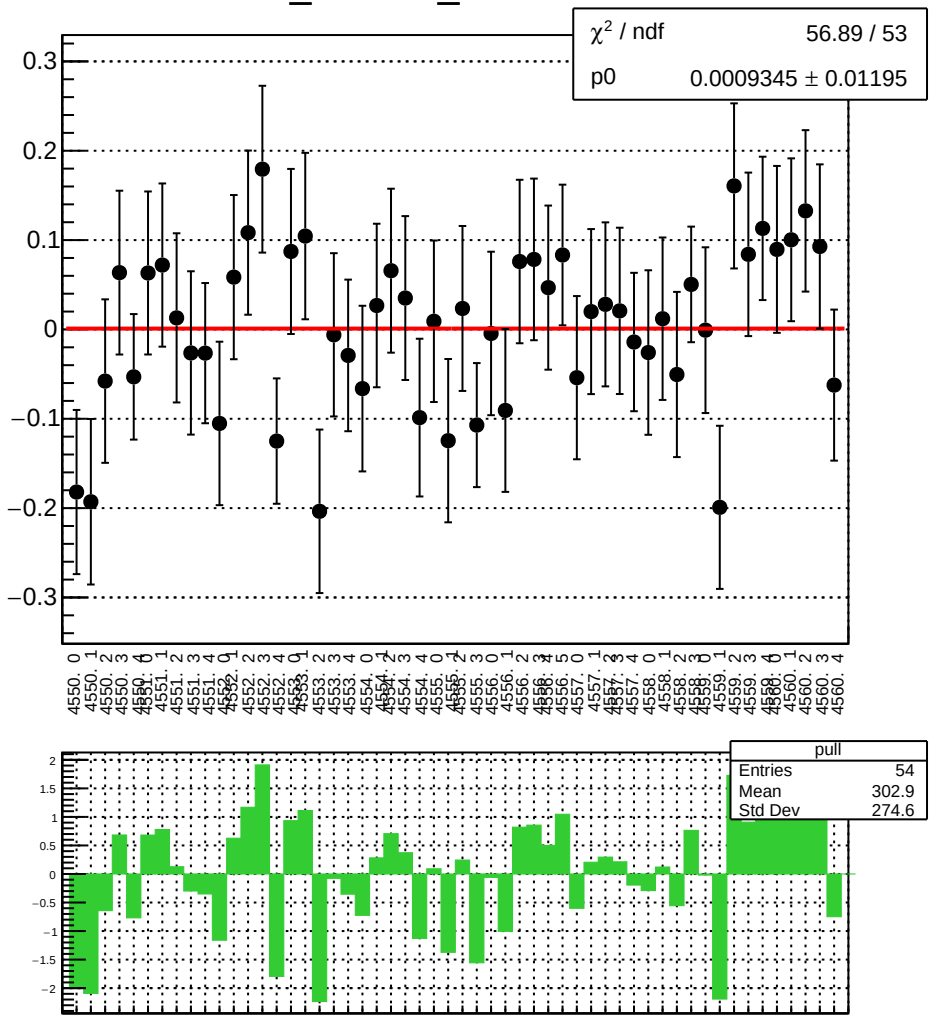

pull1D
Entries 54
Mean −0.01396
Std Dev 1.207

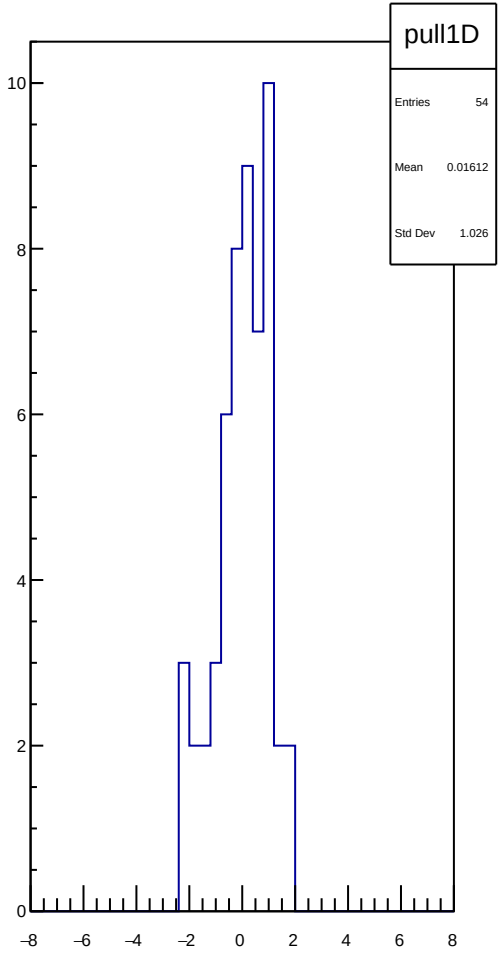

diff_cav4cX_rms vs run
χ² / ndf 1270 / 53
p0 1847 ± 1.792
2000
1950
1900
1850
1800
1750
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

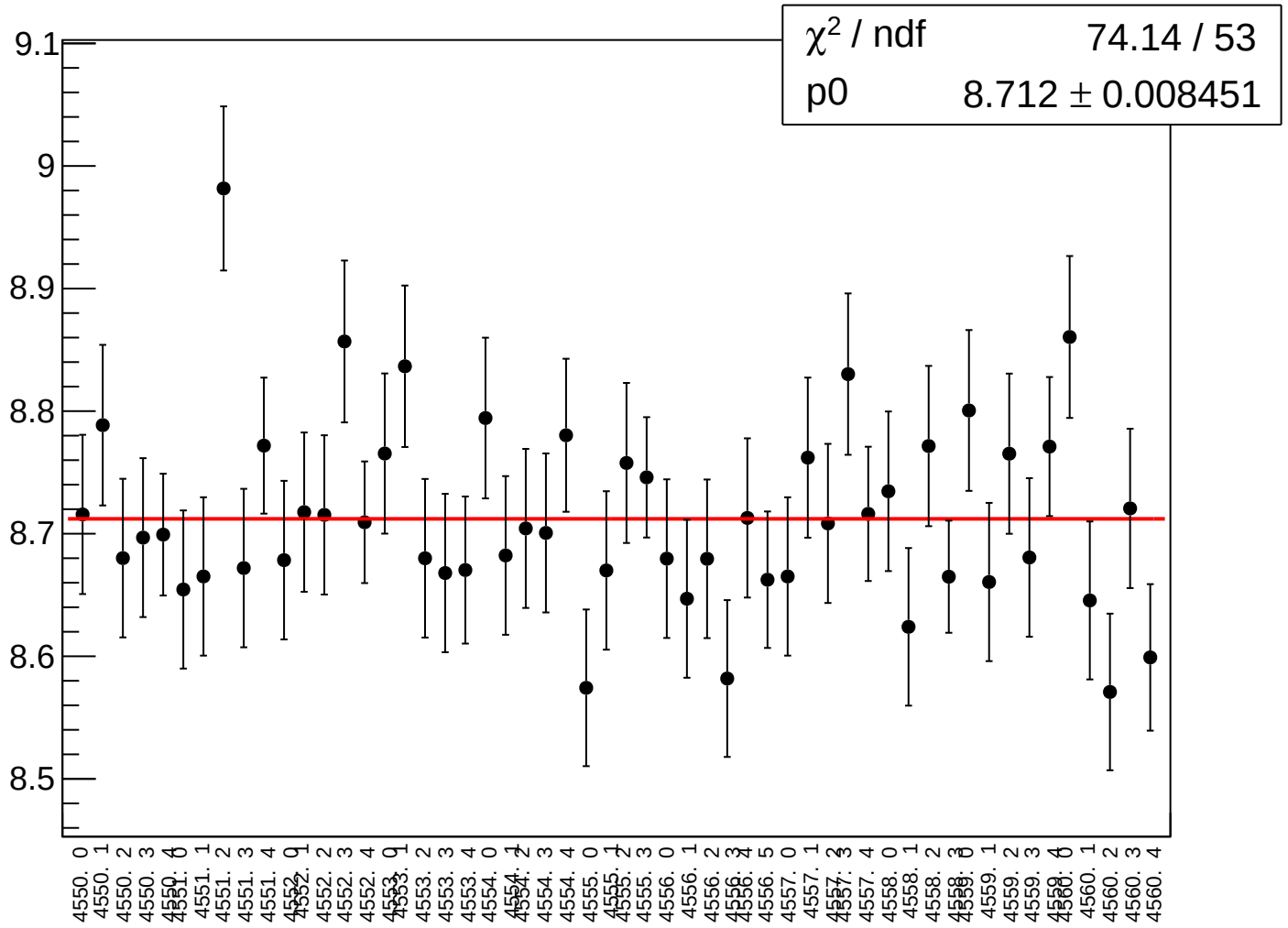

diff_cav4cY_mean vs run
χ² / ndf 44.72 / 53
p0 −0.3839 ± 3.164
pull
Entries 54
Mean −11.58
Std Dev 51.29

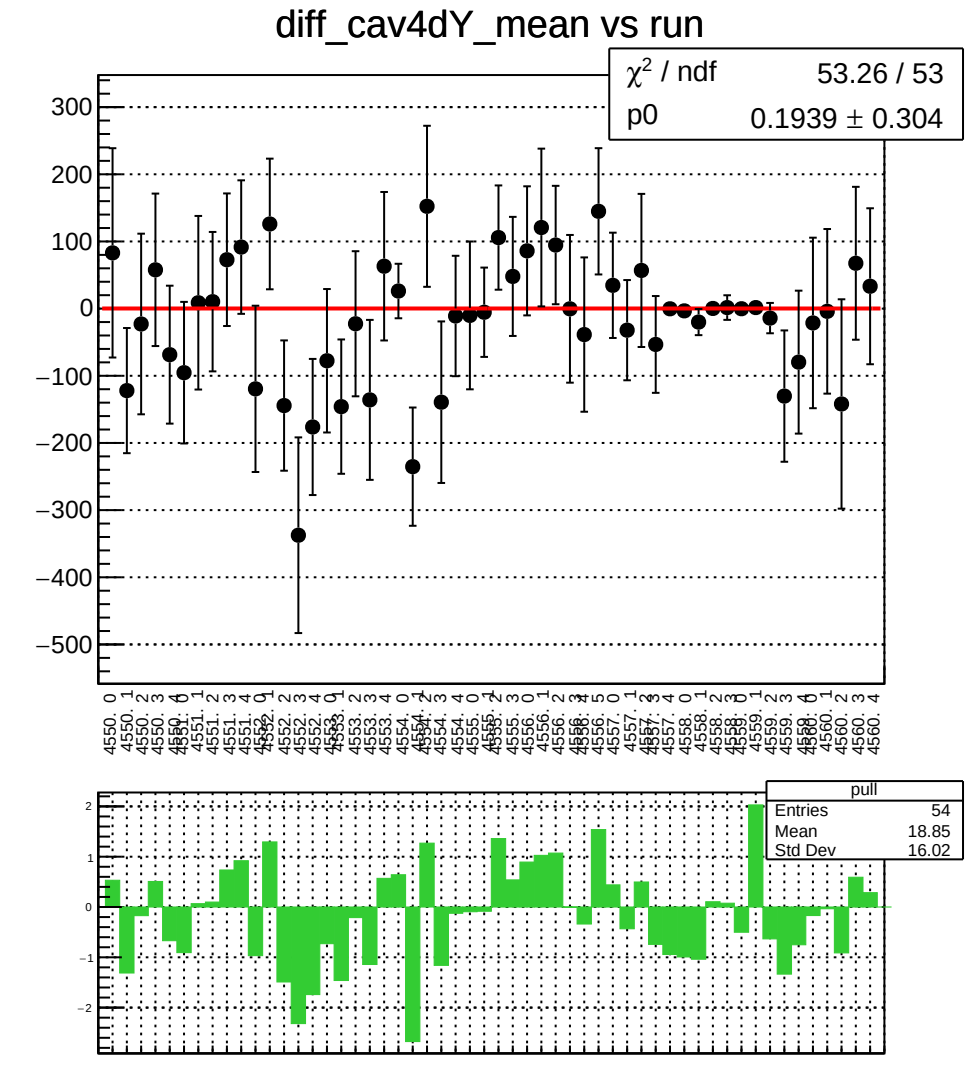

pull1D
Entries 54
Mean −0.01758
Std Dev 0.9098

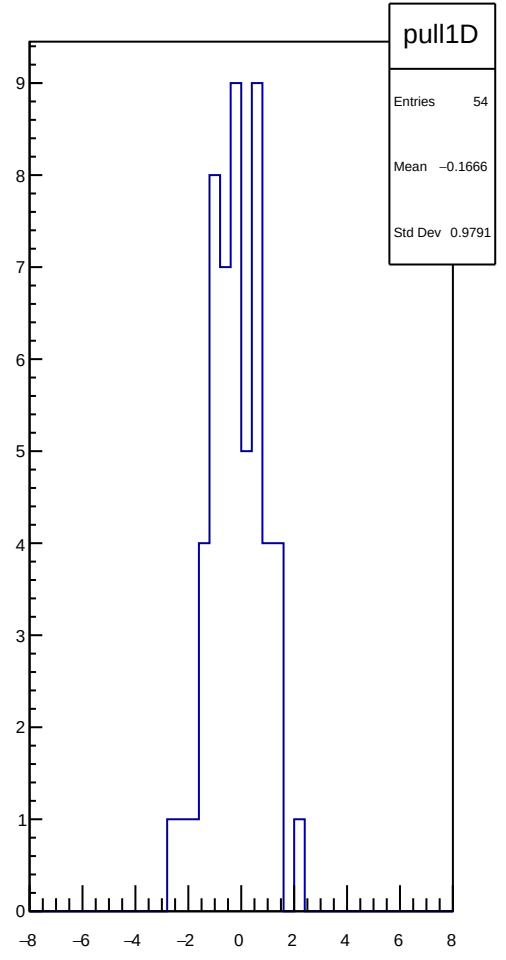

diff_cav4cY_rms vs run
χ² / ndf 7300 / 53
p0 2298 ± 2.237
3000
2800
2600
2400
2200
2000
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

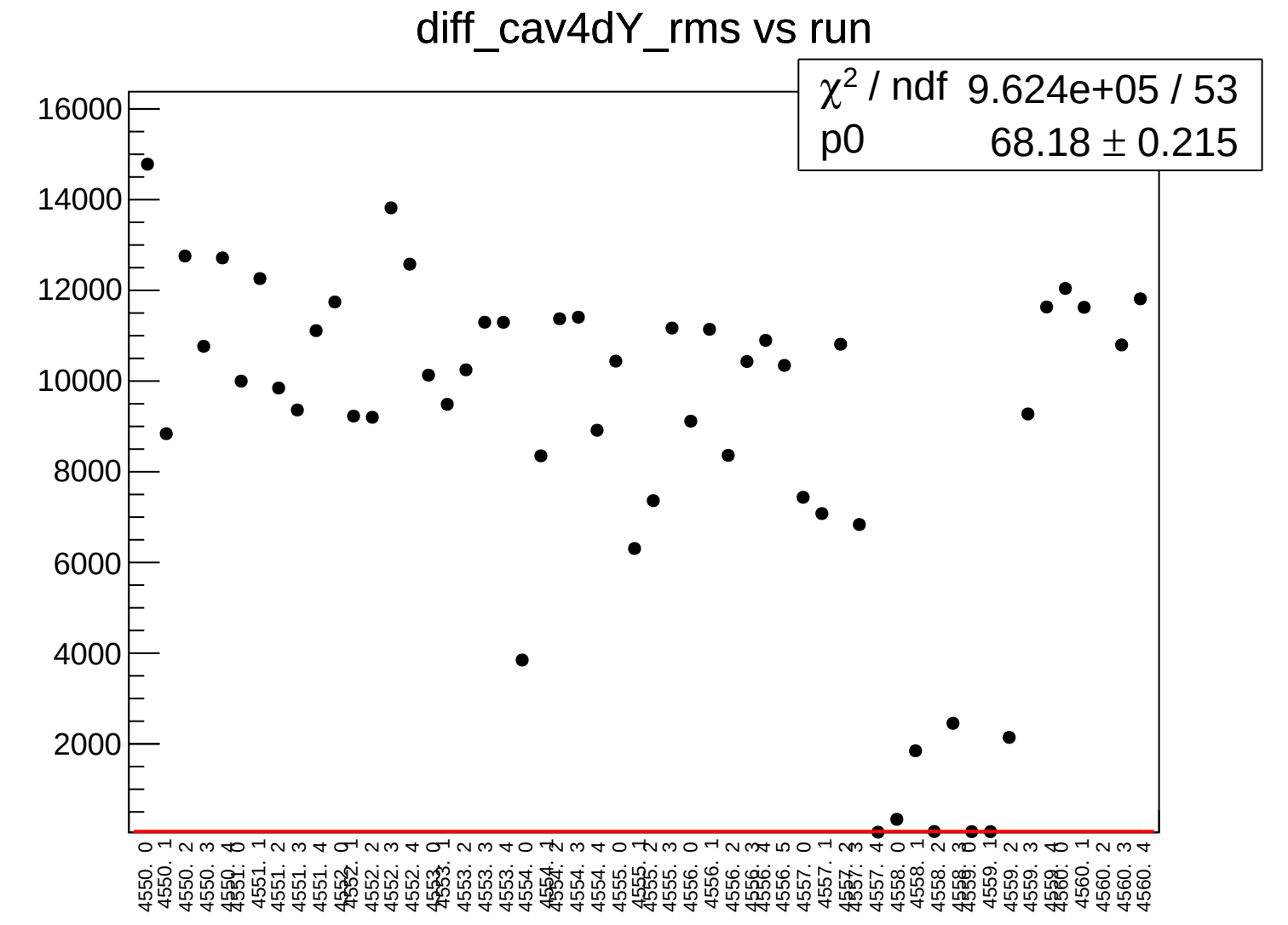

diff_cav4dX_mean vs run
χ² / ndf 56.89 / 53
p0 0.0009345 ± 0.01195
pull
Entries 54
Mean 302.9
Std Dev 274.6

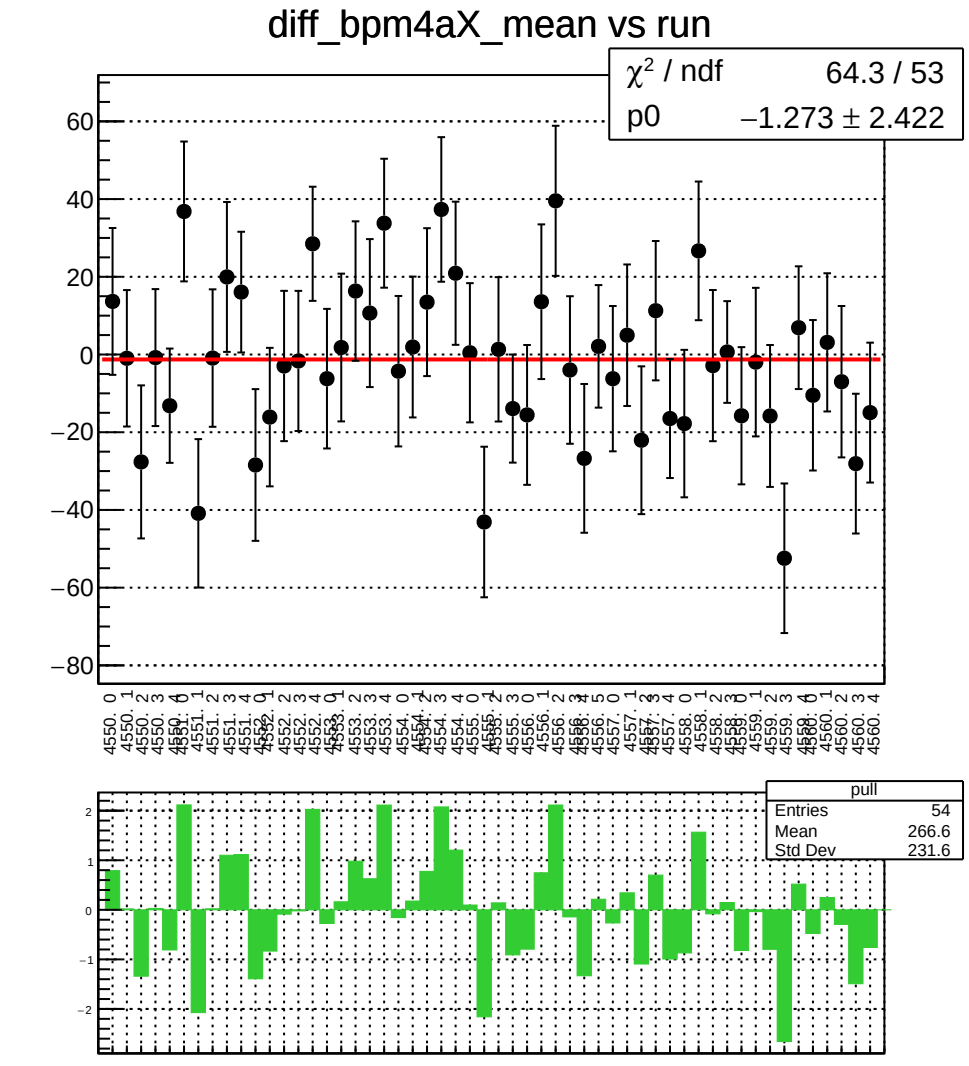

pull1D
Entries 54
Mean 0.01612
Std Dev 1.026

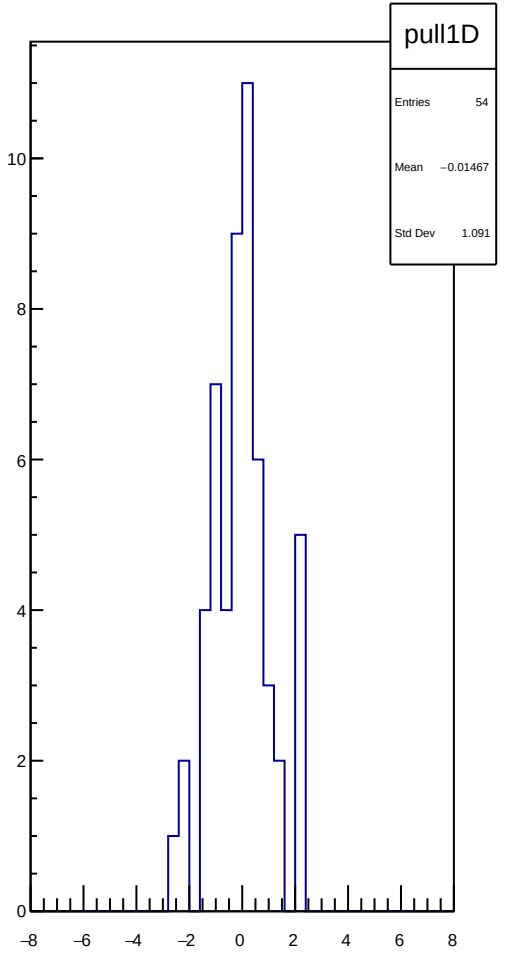

diff_cav4dX_rms vs run
χ² / ndf 74.14 / 53
p0 8.712 ± 0.008451
9.1
9
8.9
8.8
8.7
8.6
8.5

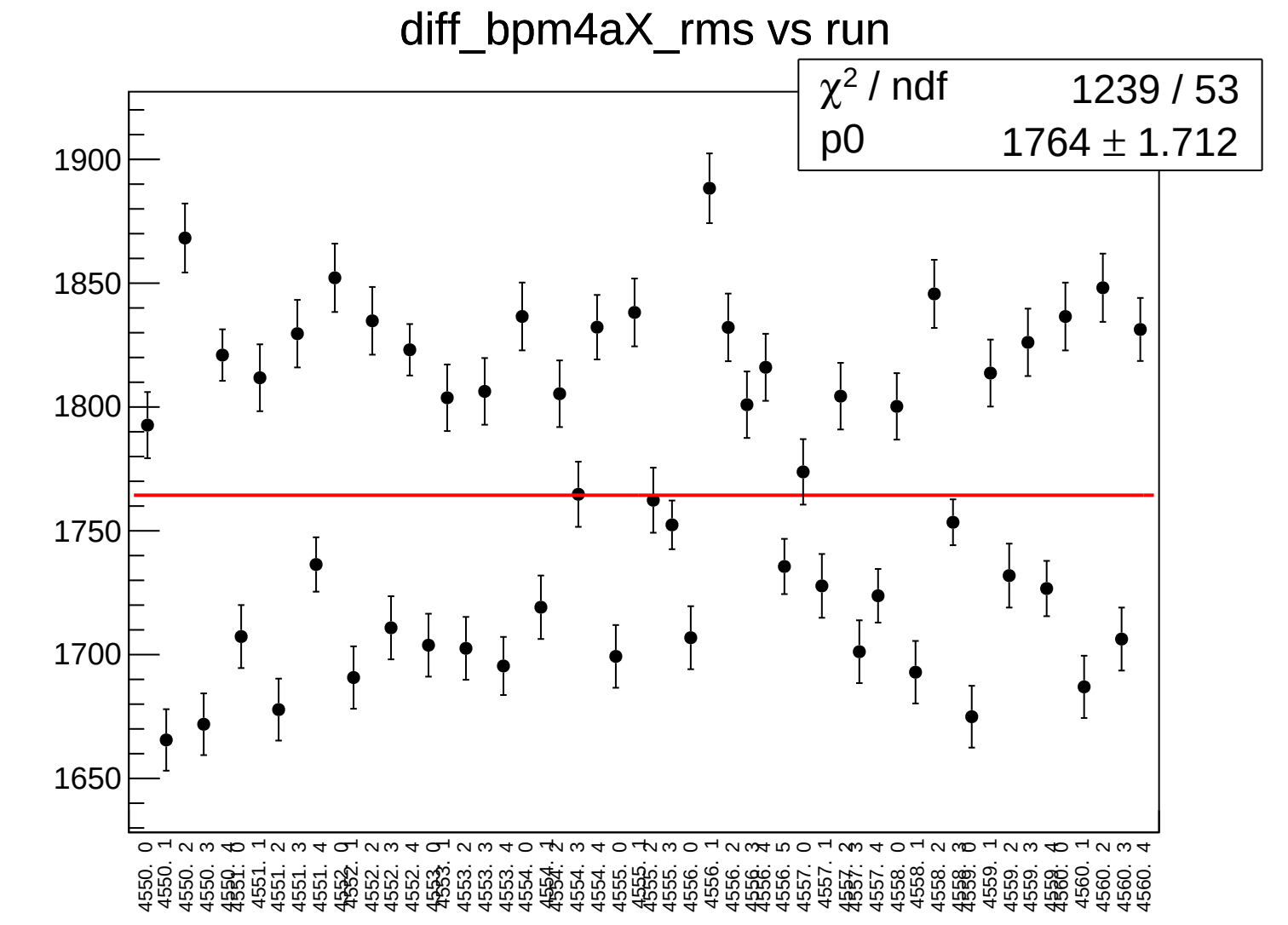

diff_cav4dY_mean vs run
χ² / ndf 53.26 / 53
p0 0.1939 ± 0.304
pull
Entries 54
Mean 18.85
Std Dev 16.02

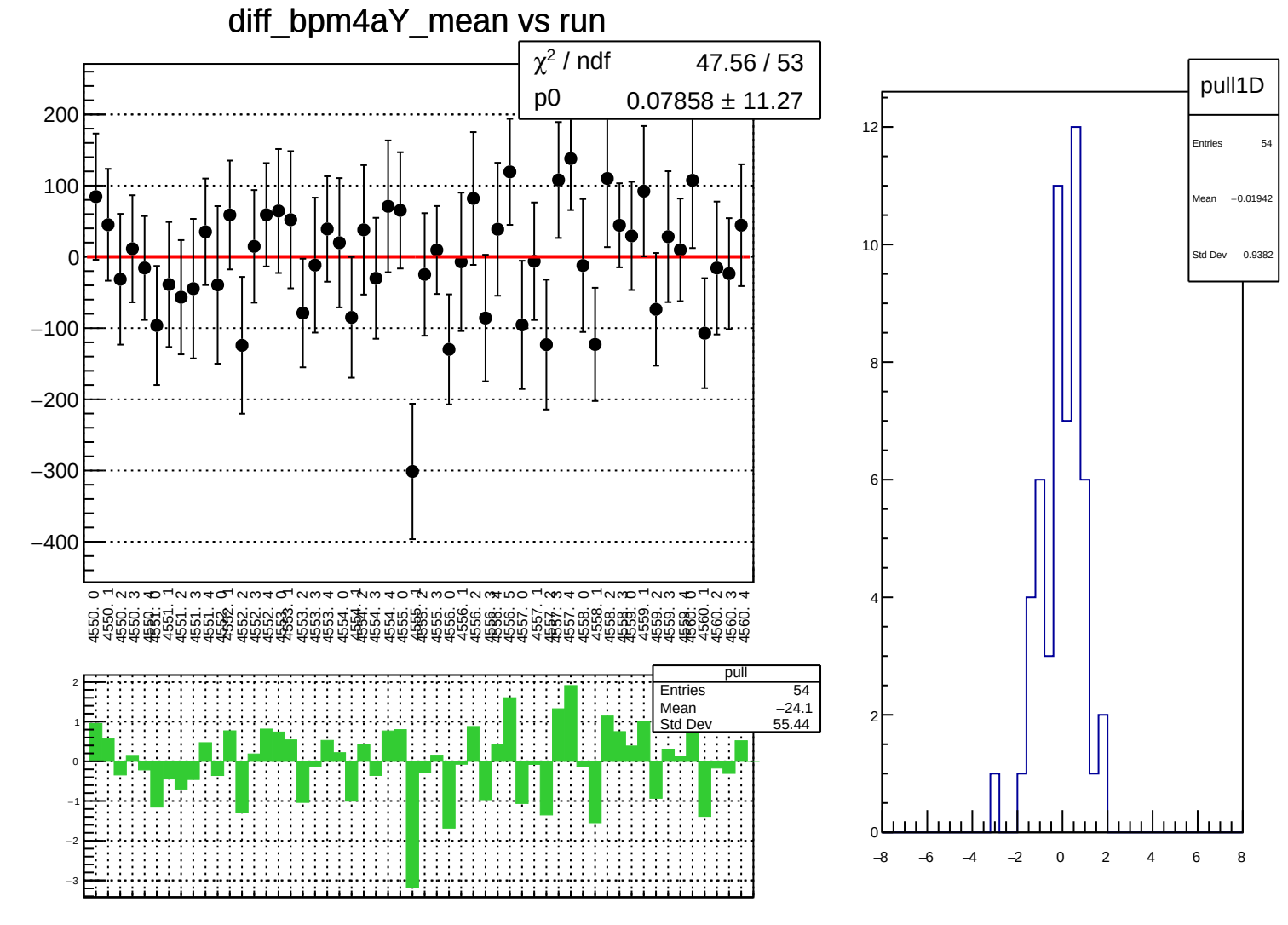

pull1D
Entries 54
Mean −0.1666
Std Dev 0.9791

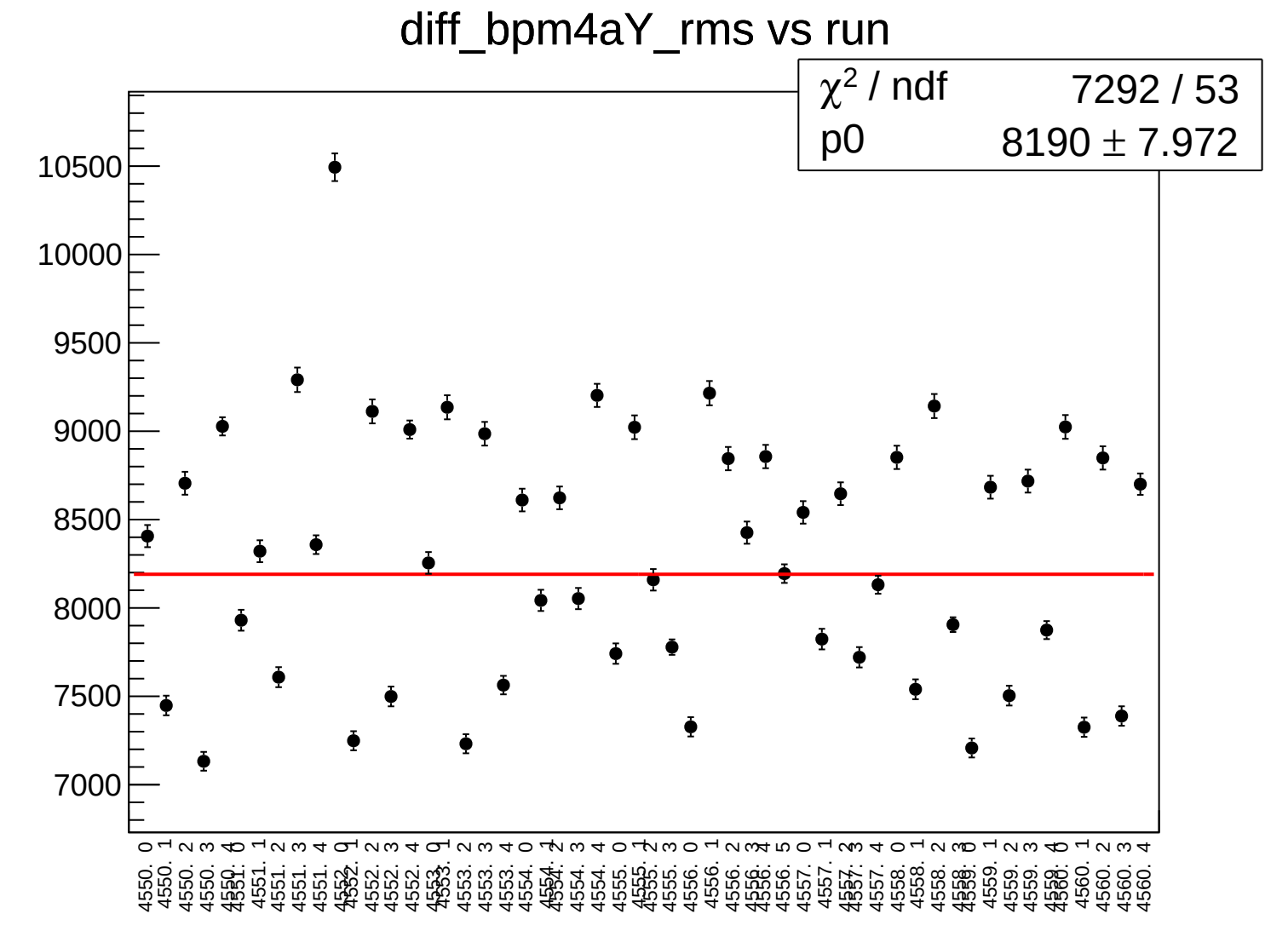

diff_cav4dY_rms vs run
χ^2 / ndf 9.624e+05 / 53
p0 68.18 ± 0.215
16000
14000
12000
10000
8000
6000
4000
2000

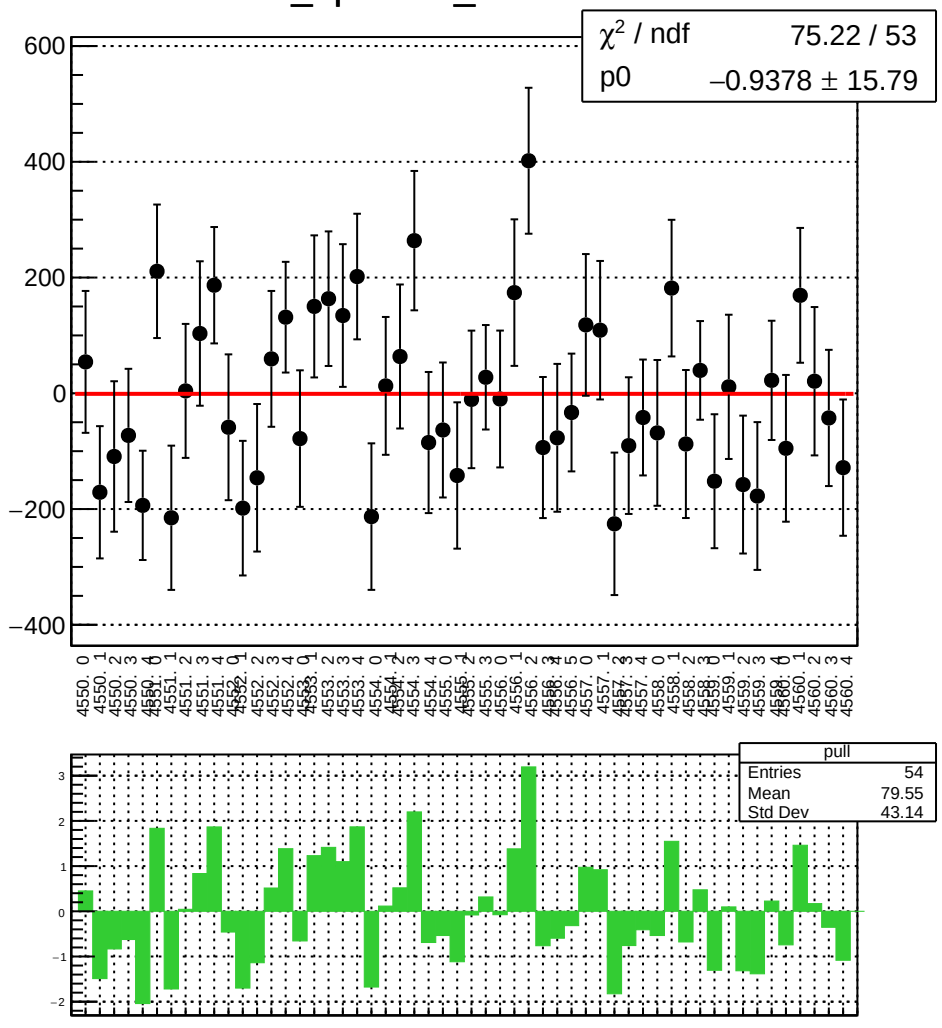

diff_bpm4aX_mean vs run
χ² / ndf 64.3 / 53
p0 −1.273 ± 2.422
pull
Entries 54
Mean 266.6
Std Dev 231.6

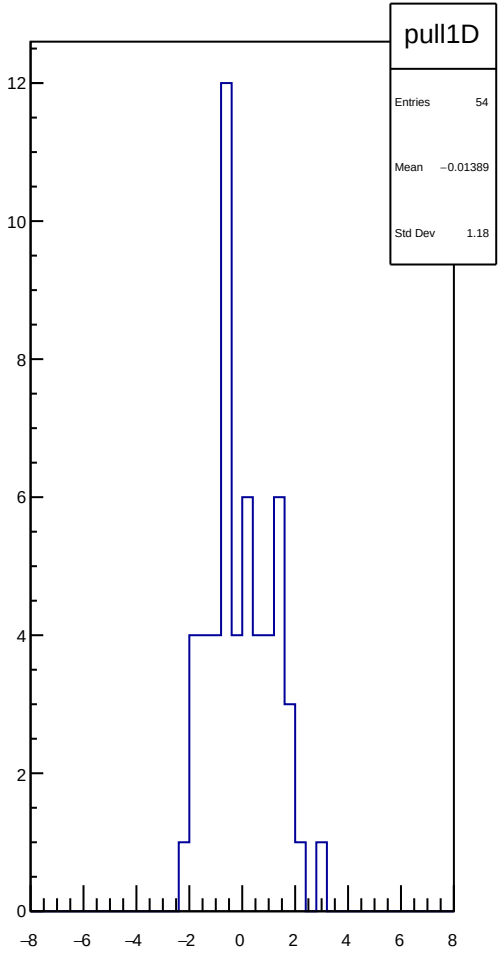

pull1D
Entries 54
Mean −0.01467
Std Dev 1.091

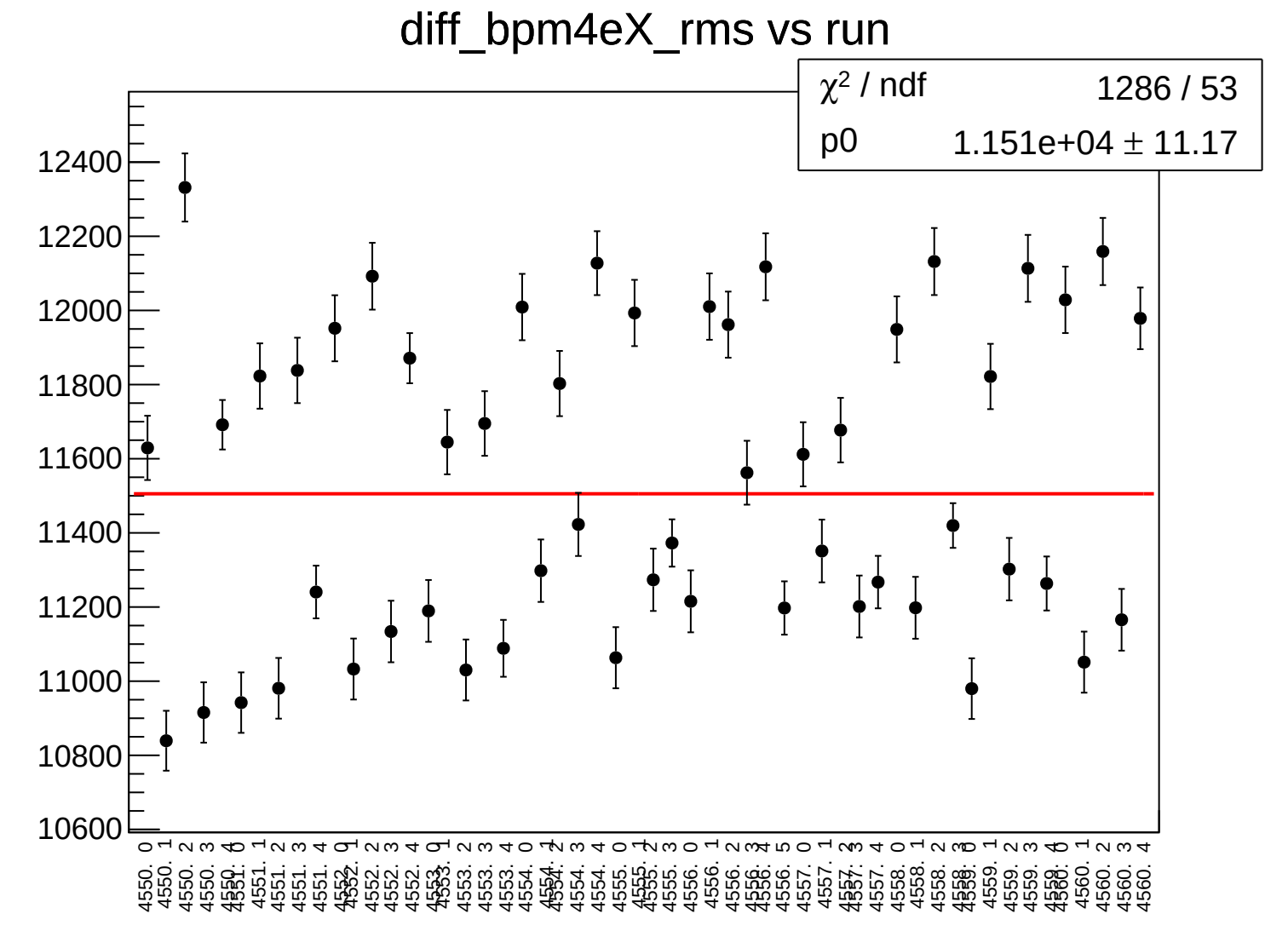

diff_bpm4aX_rms vs run
χ² / ndf 1239 / 53
p0 1764 ± 1.712
1900
1850
1800
1750
1700
1650

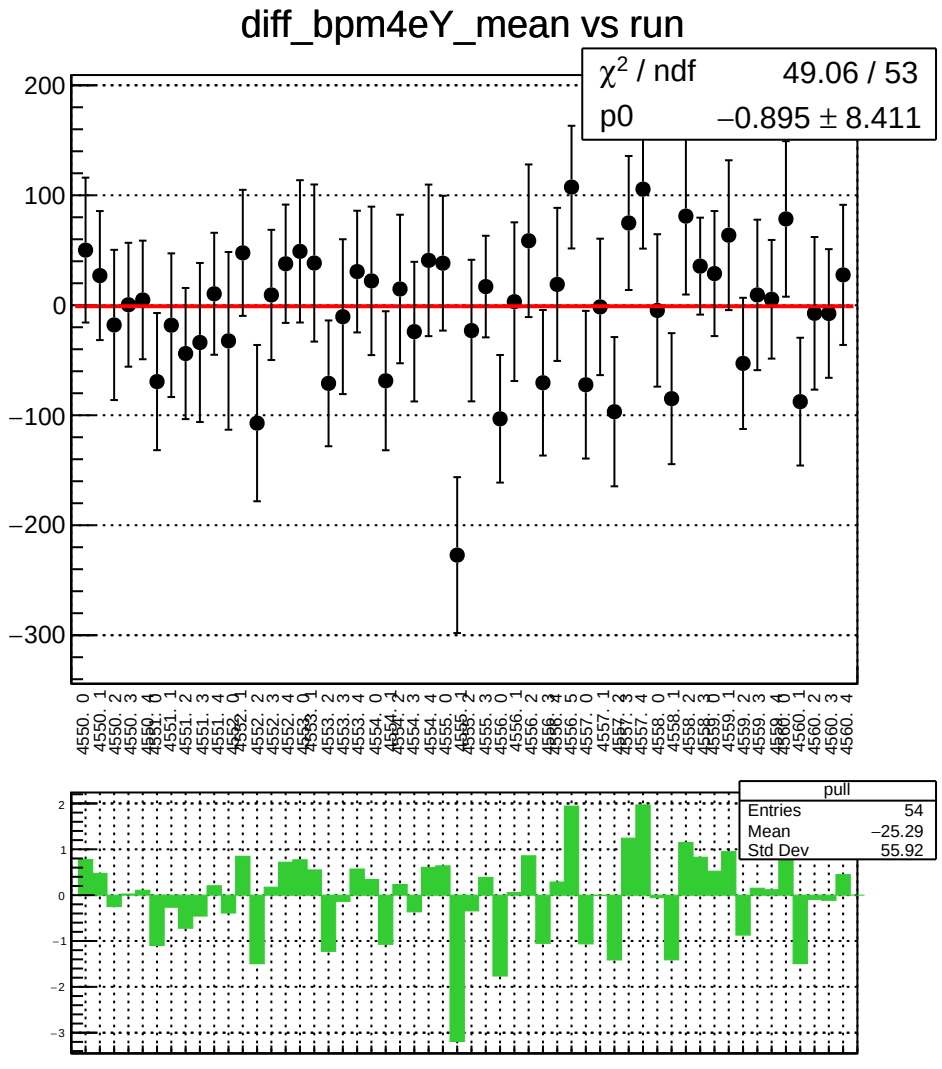

diff_bpm4aY_mean vs run
χ² / ndf 47.56 / 53
p0 0.07858 ± 11.27
pull
Entries 54
Mean −24.1
Std Dev 55.44
pull1D
Entries 54
Mean −0.01942
Std Dev 0.9382

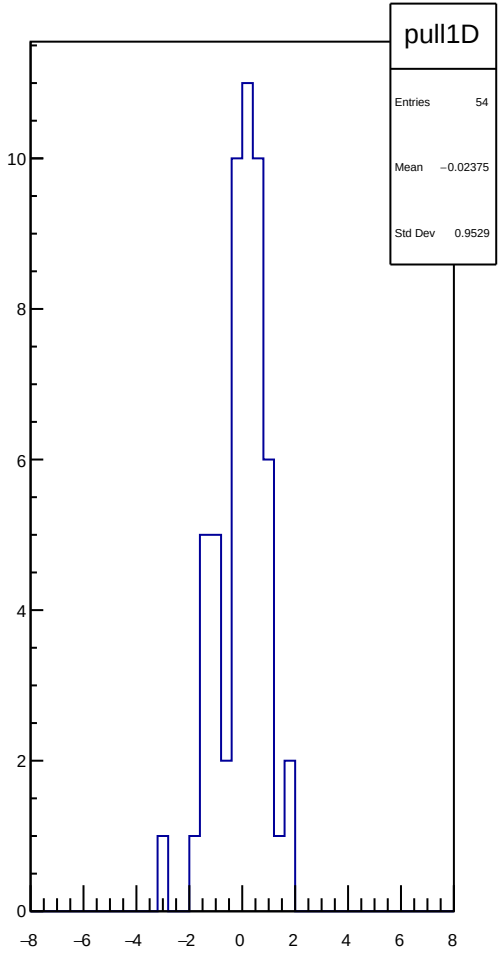

diff_bpm4aY_rms vs run
χ² / ndf 7292 / 53
p0 8190 ± 7.972
10500
10000
9500
9000
8500
8000
7500
7000

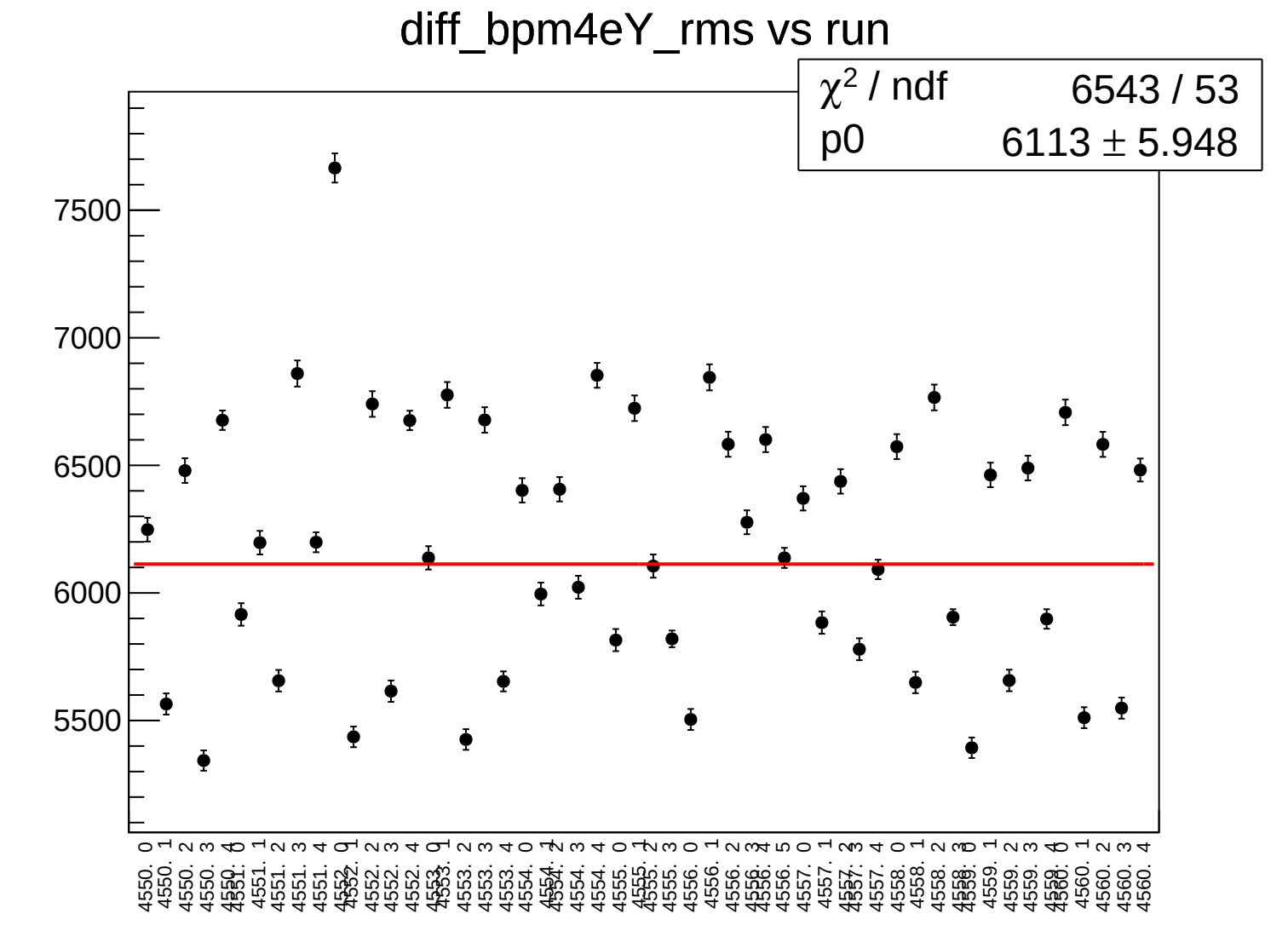

diff_bpm4eX_mean vs run
χ² / ndf 75.22 / 53
p0 −0.9378 ± 15.79
pull
Entries 54
Mean 79.55
Std Dev 43.14

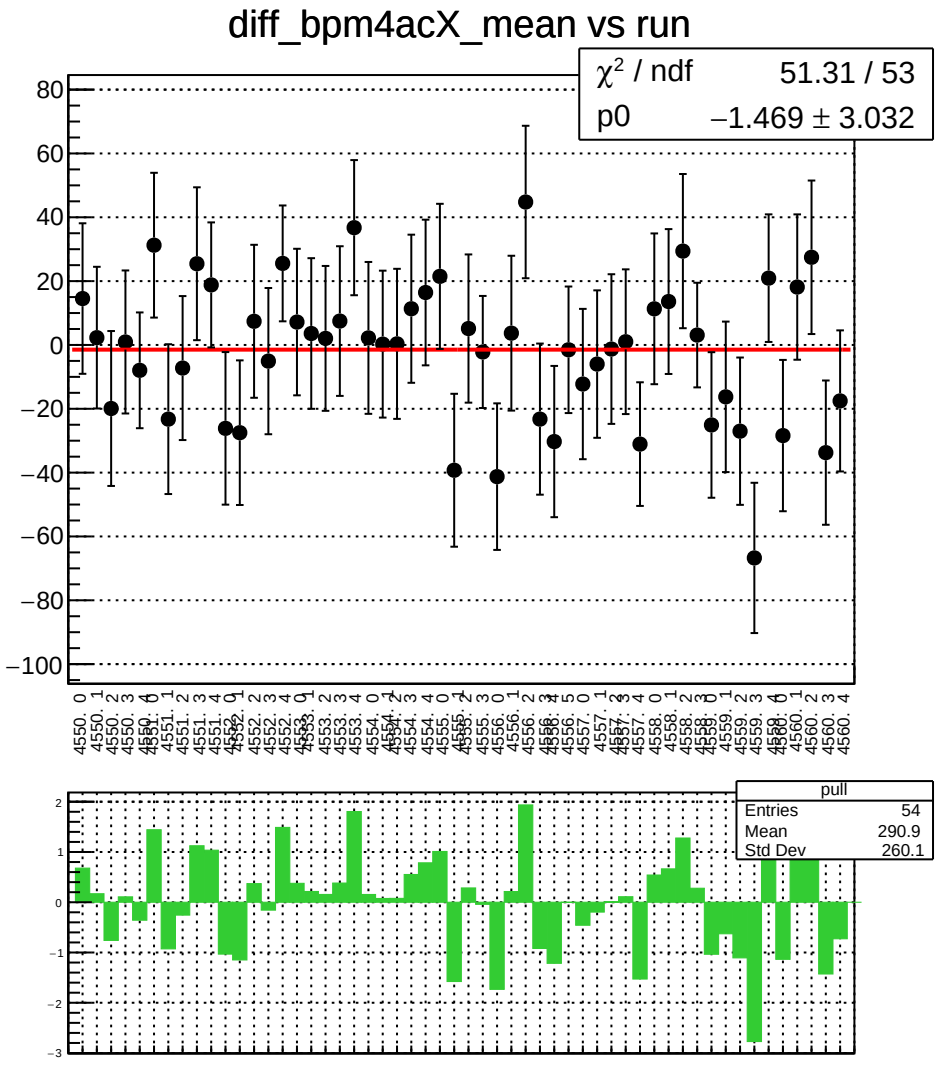

pull1D
Entries 54
Mean −0.01389
Std Dev 1.18

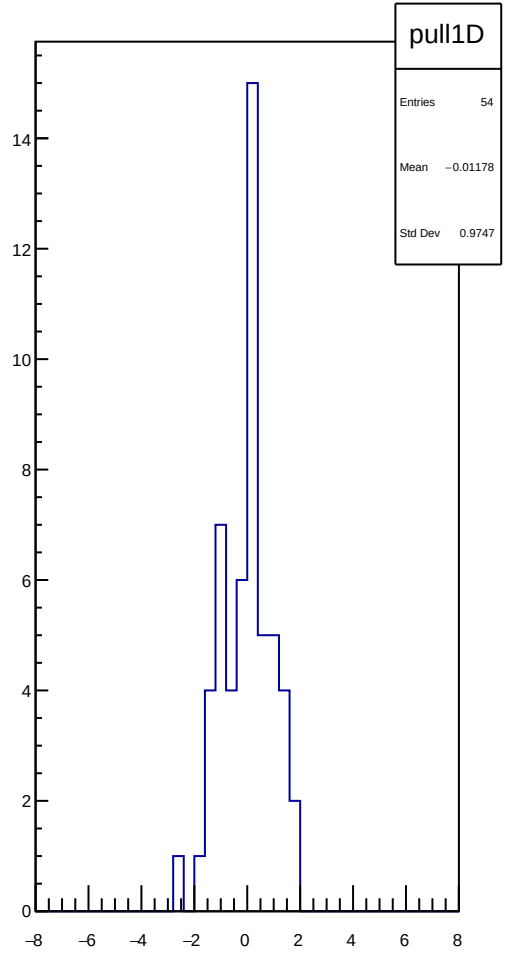

diff_bpm4eX_rms vs run
χ² / ndf 1286 / 53
p0 1.151e+04 ± 11.17
12400
12200
12000
11800
11600
11400
11200
11000
10800
10600

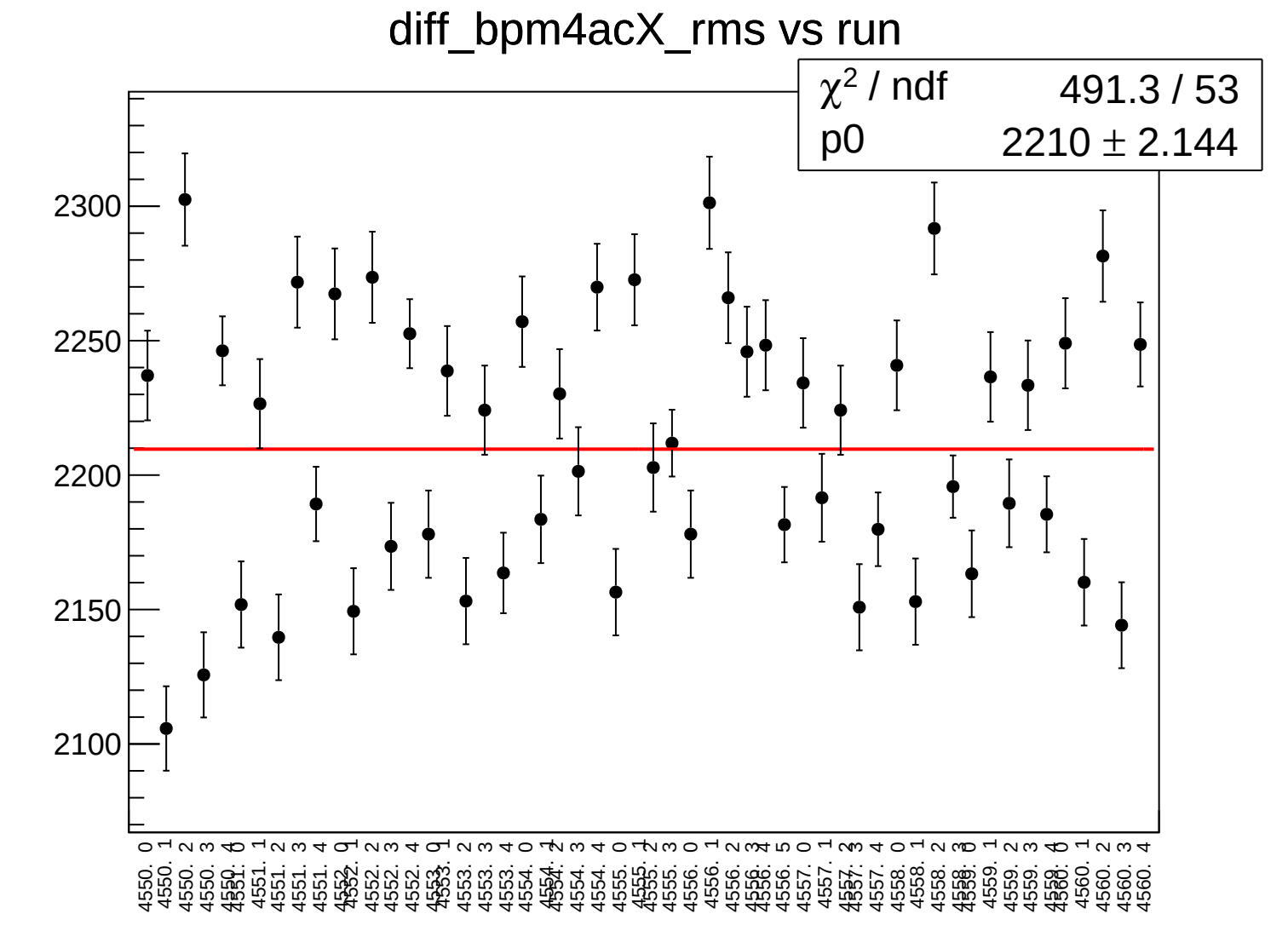

diff_bpm4eY_mean vs run
χ^2 / ndf 49.06 / 53
p0 −0.895 ± 8.411
pull
Entries 54
Mean −25.29
Std Dev 55.92

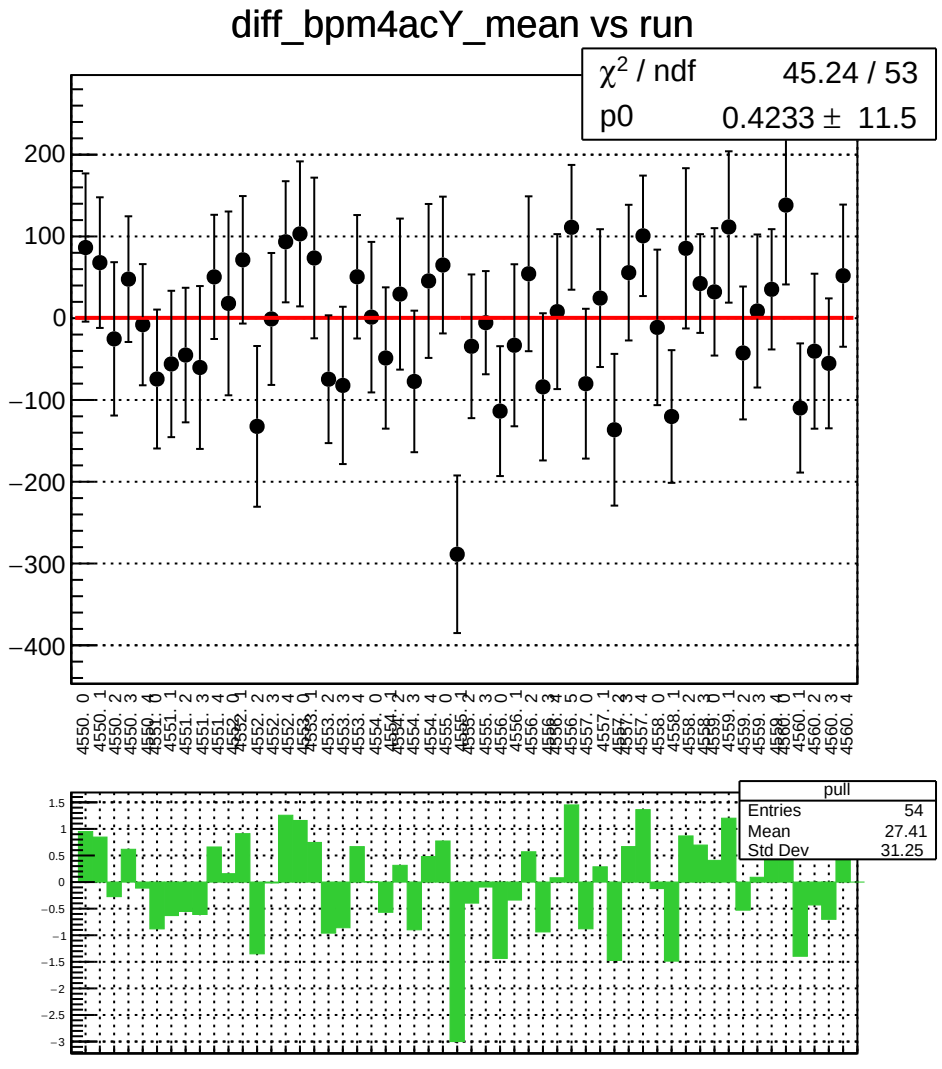

pull1D
Entries 54
Mean −0.02375
Std Dev 0.9529

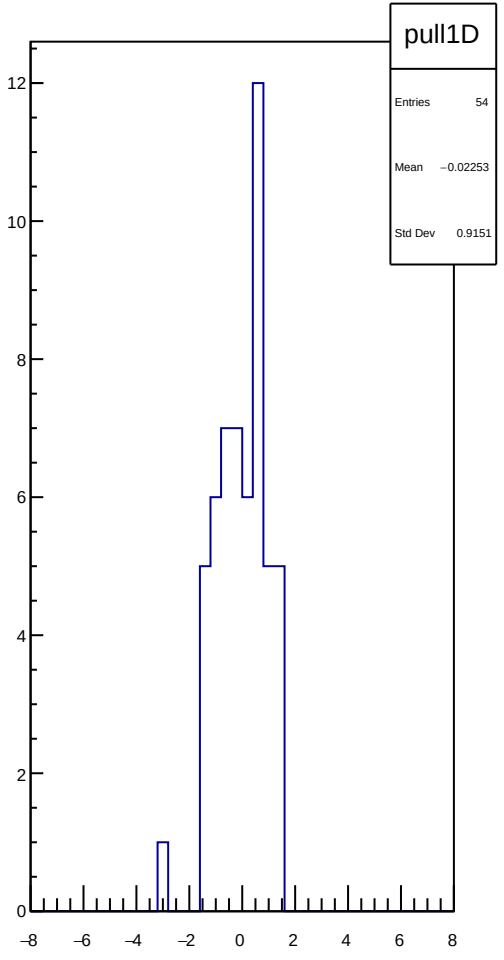

diff_bpm4eY_rms vs run
χ² / ndf 6543 / 53
p0 6113 ± 5.948
7500
7000
6500
6000
5500

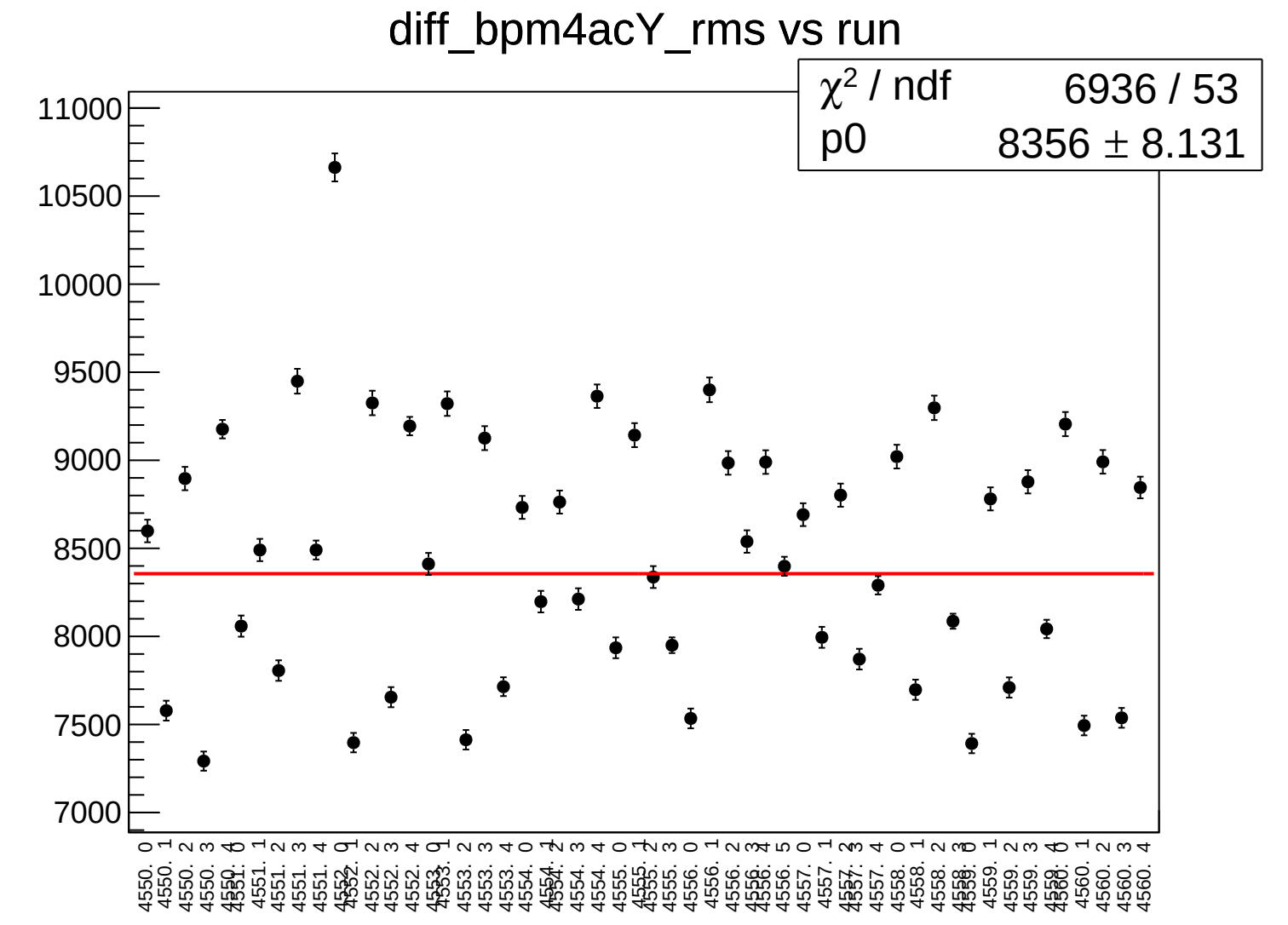

diff_bpm4acX_mean vs run
χ² / ndf 51.31 / 53
p0 −1.469 ± 3.032
pull
Entries 54
Mean 290.9
Std Dev 260.1


pull1D
Entries 54
Mean −0.01178
Std Dev 0.9747


diff_bpm4acX_rms vs run
χ² / ndf 491.3 / 53
p0 2210 ± 2.144
2300
2250
2200
2150
2100
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


diff_bpm4acY_mean vs run
χ² / ndf 45.24 / 53
p0 0.4233 ± 11.5
pull
Entries 54
Mean 27.41
Std Dev 31.25


pull1D
Entries 54
Mean −0.02253
Std Dev 0.9151


diff_bpm4acY_rms vs run
χ² / ndf 6936 / 53
p0 8356 ± 8.131
11000
10500
10000
9500
9000
8500
8000
7500
7000
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
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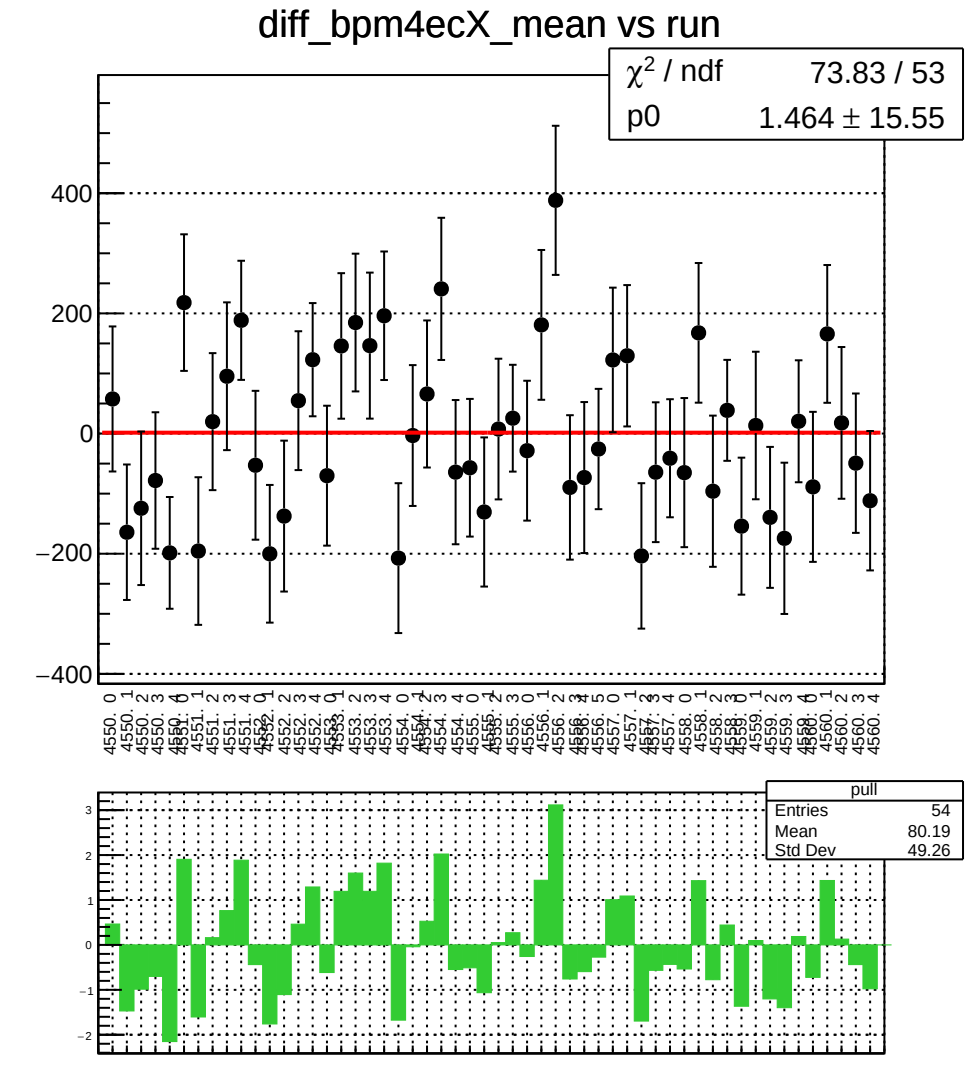
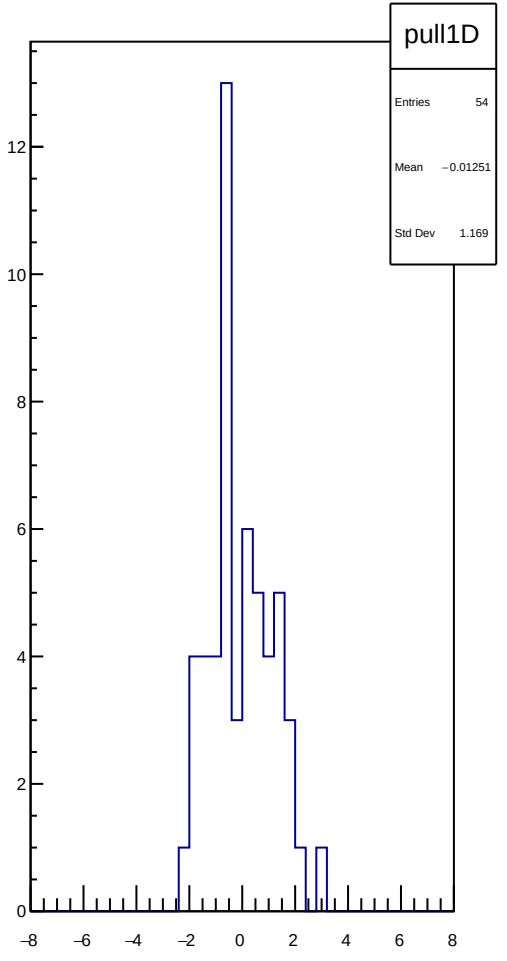
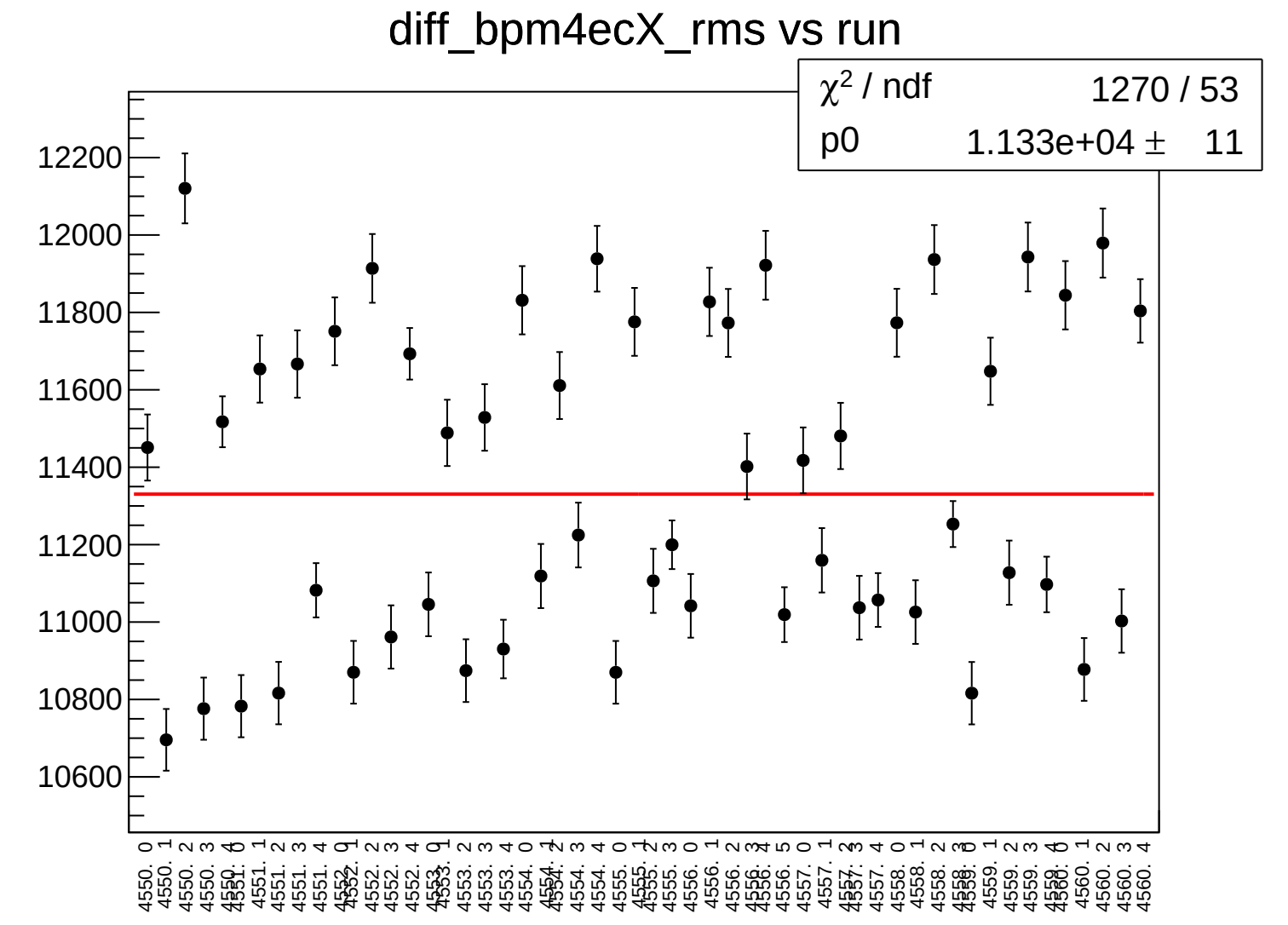
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


diff_bpm4ecX_mean vs run
χ² / ndf 73.83 / 53
p0 1.464 ± 15.55
400
200
0
−200
−400
pull
Entries 54
Mean 80.19
Std Dev 49.26
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.01251
Std Dev 1.169
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4ecX_rms vs run
χ² / ndf 1270 / 53
p0 1.133e+04 ± 11
12200
12000
11800
11600
11400
11200
11000
10800
10600
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
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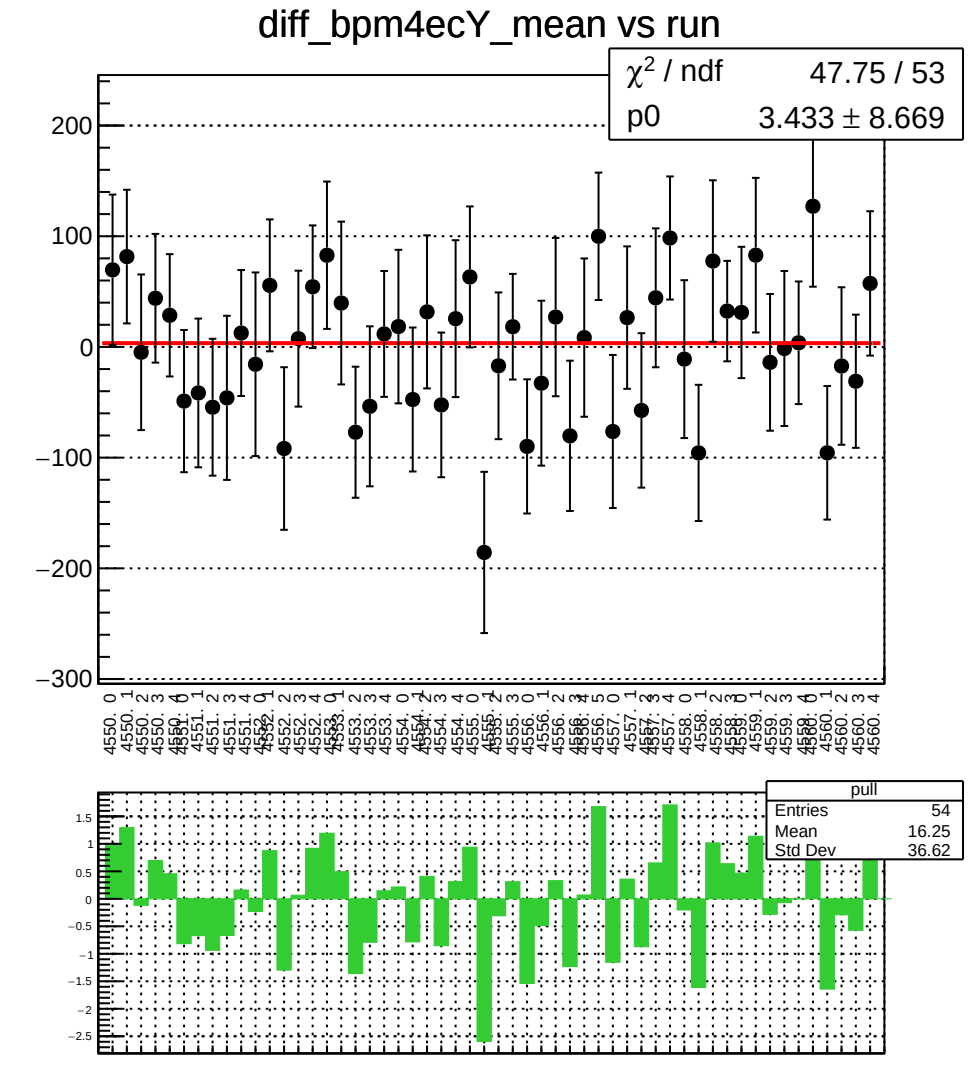
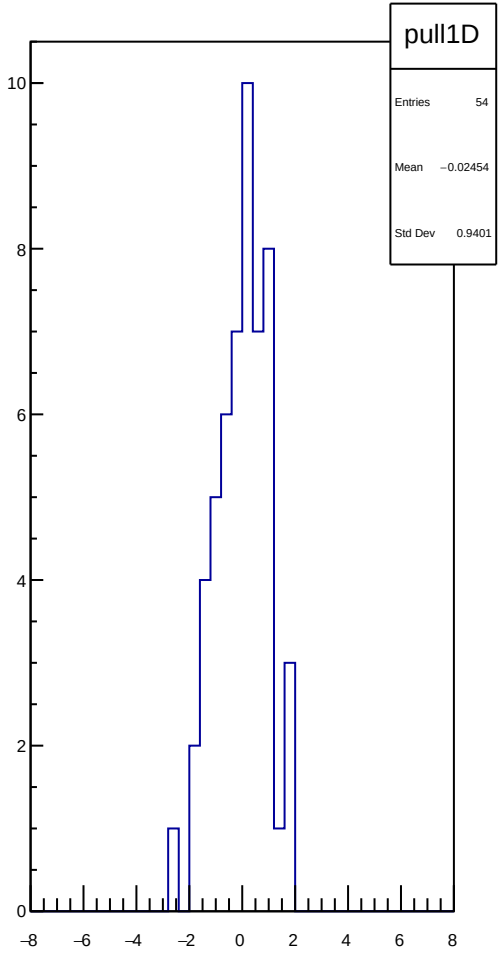
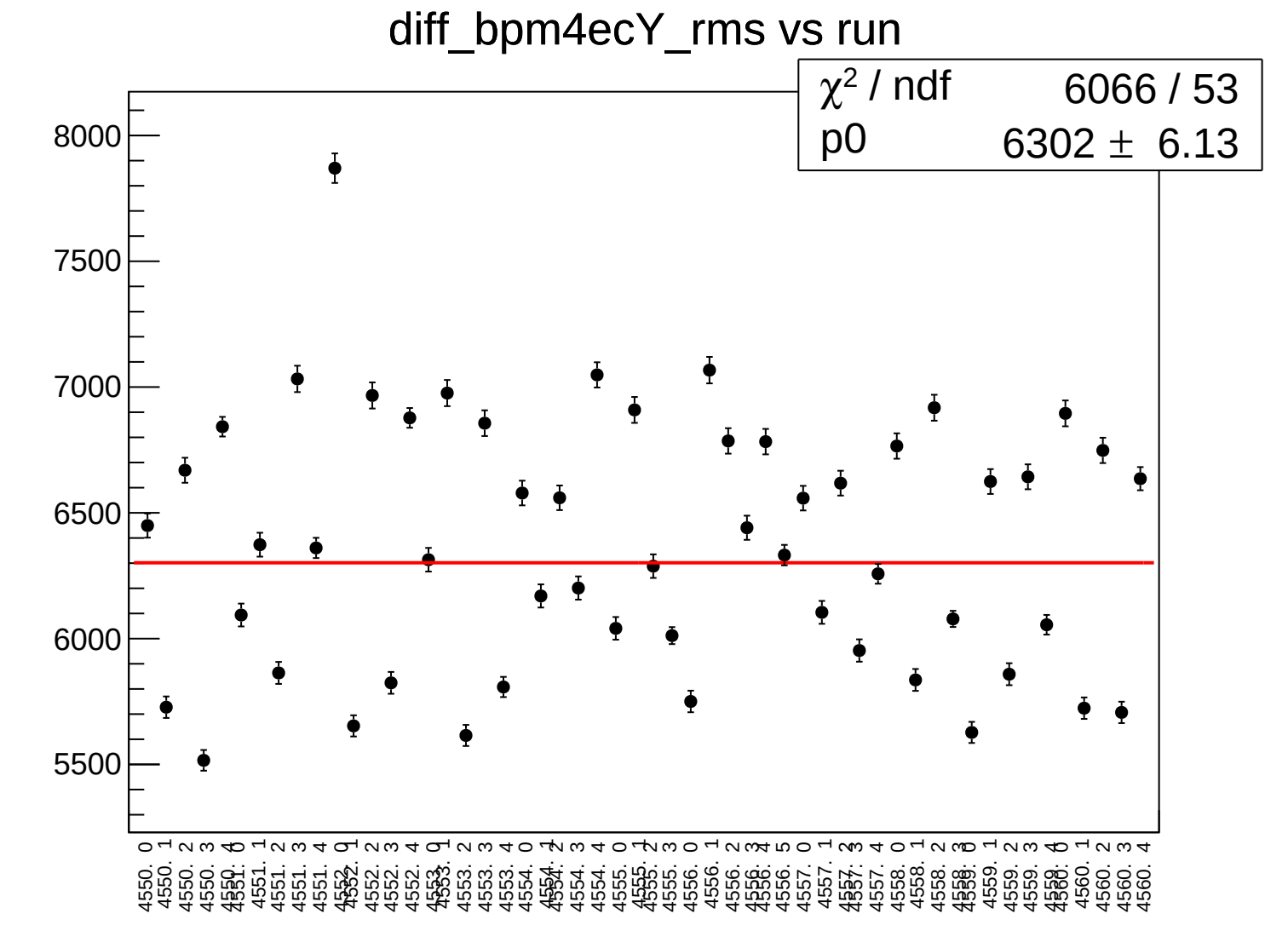
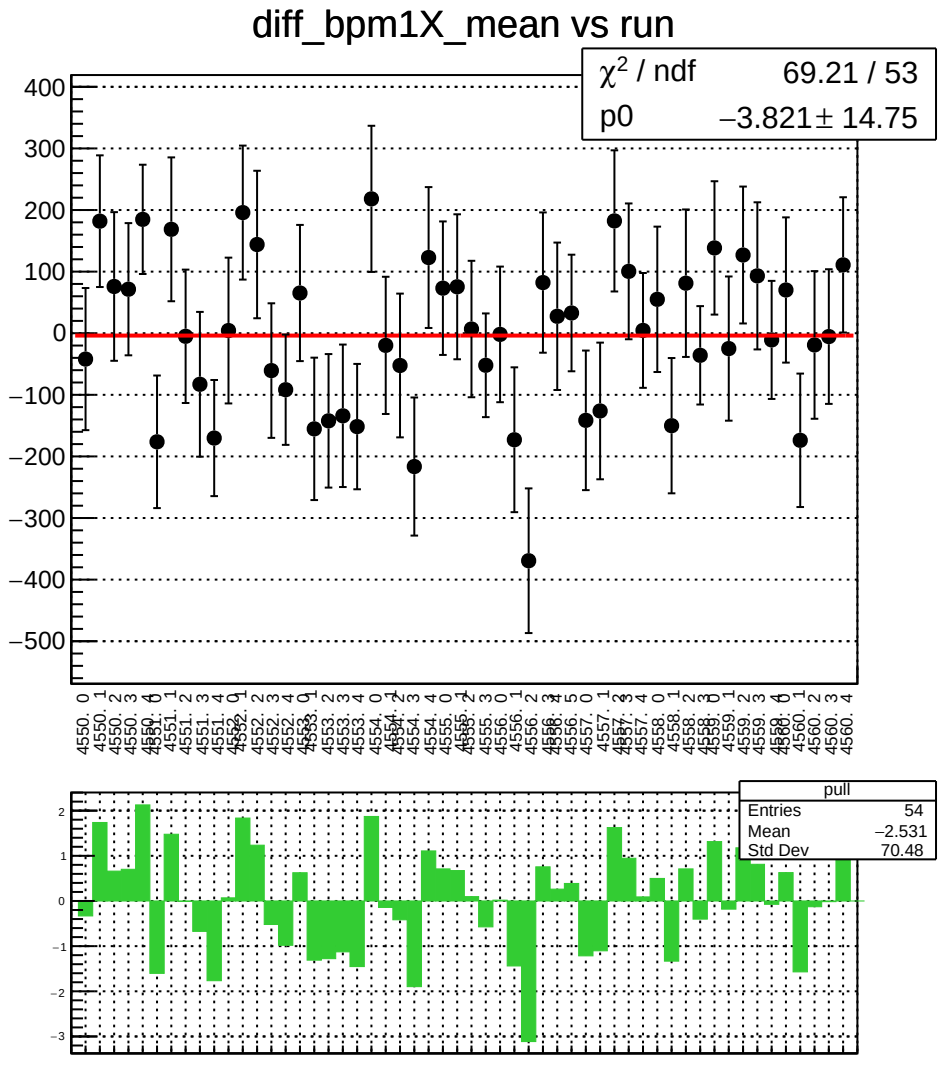
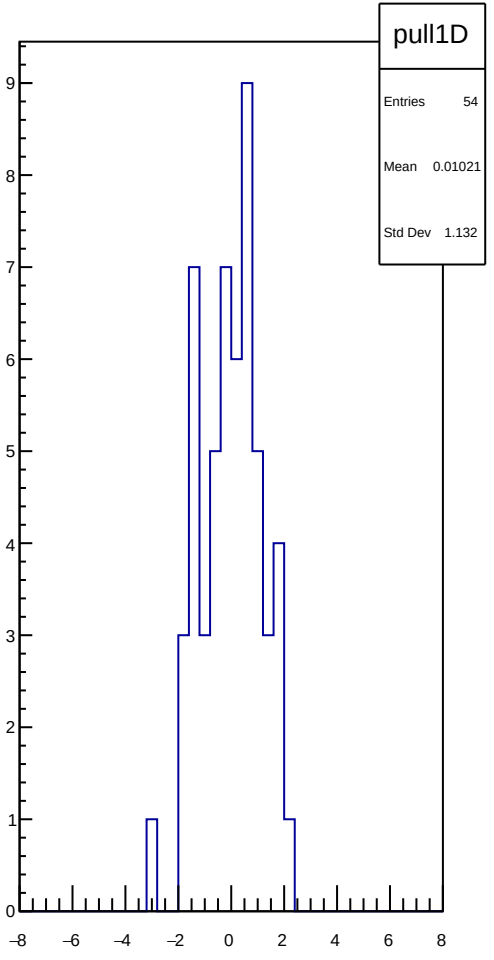
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

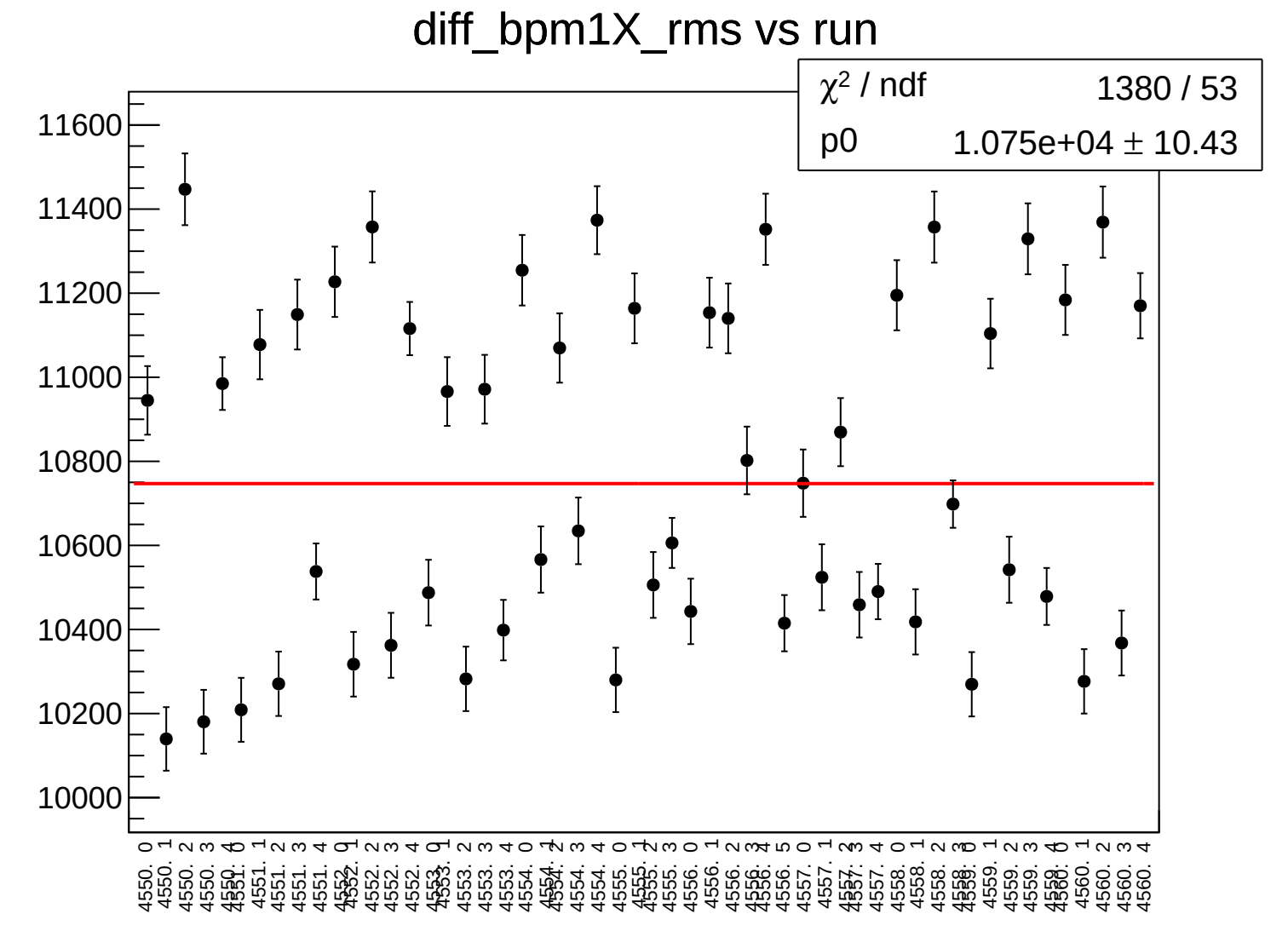

diff_bpm4ecY_mean vs run
χ² / ndf 47.75 / 53
p0 3.433 ± 8.669
pull
Entries 54
Mean 16.25
Std Dev 36.62

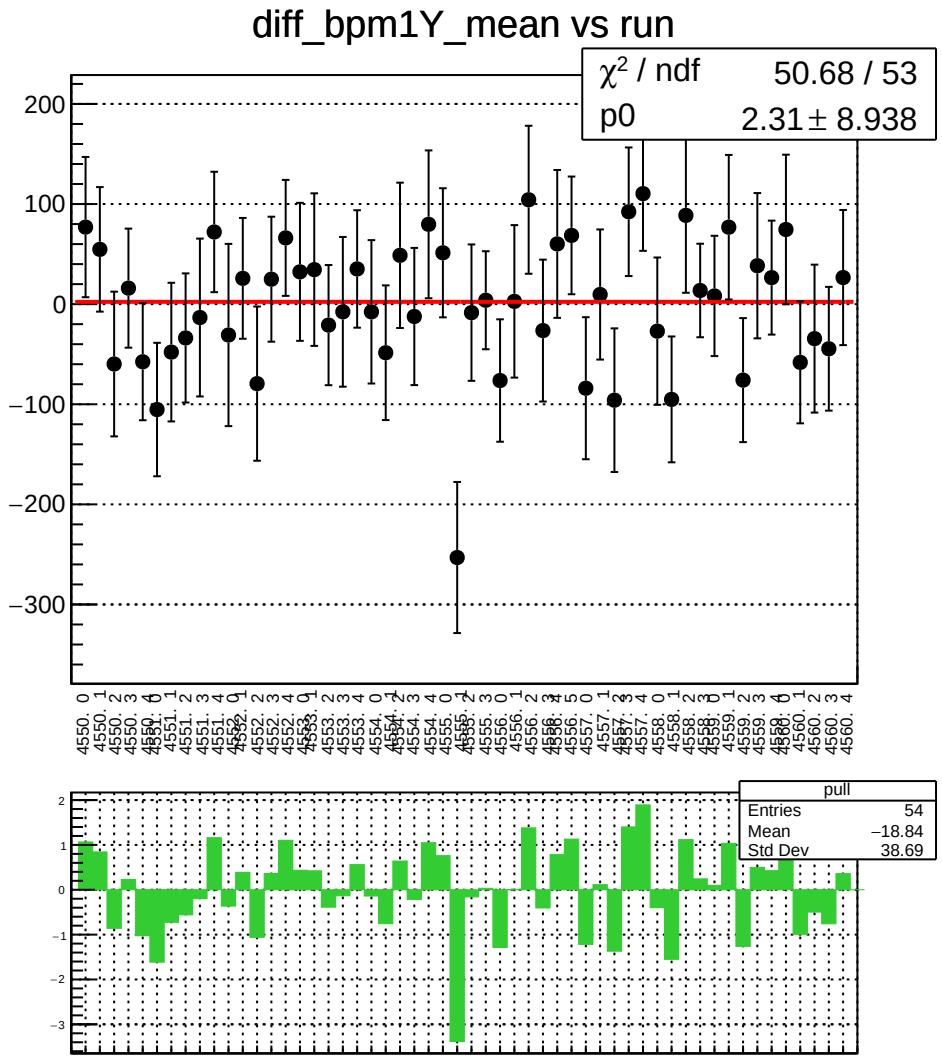

pull1D
Entries 54
Mean −0.02454
Std Dev 0.9401

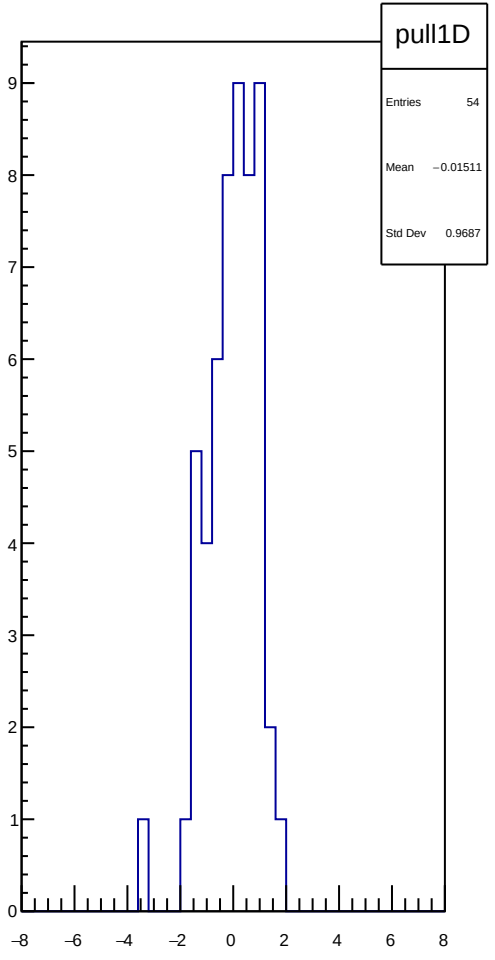

diff_bpm4ecY_rms vs run
χ² / ndf 6066 / 53
p0 6302 ± 6.13
8000
7500
7000
6500
6000
5500

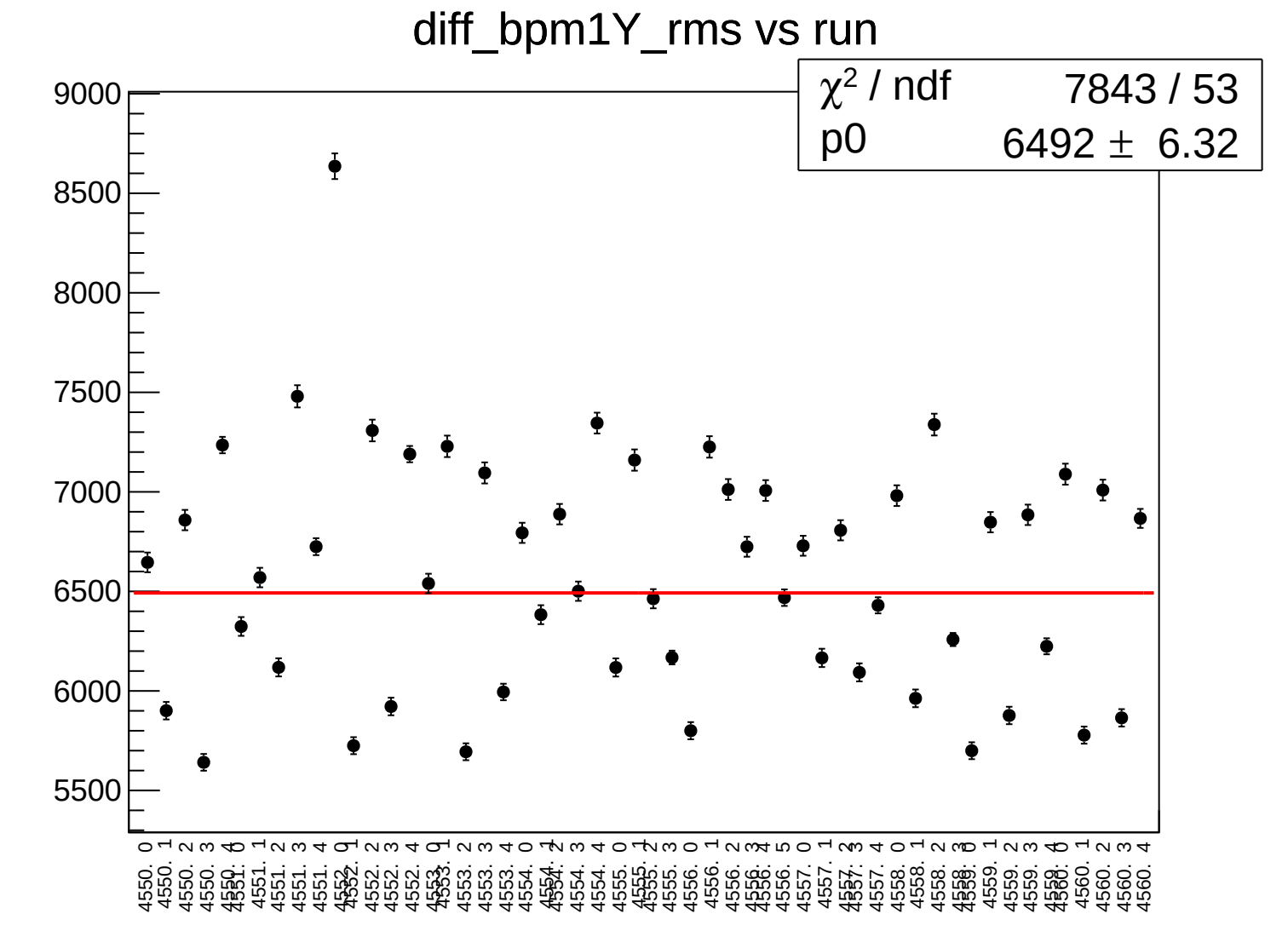

diff_bpm1X_mean vs run
χ² / ndf 69.21 / 53
p0 −3.821± 14.75
pull
Entries 54
Mean −2.531
Std Dev 70.48

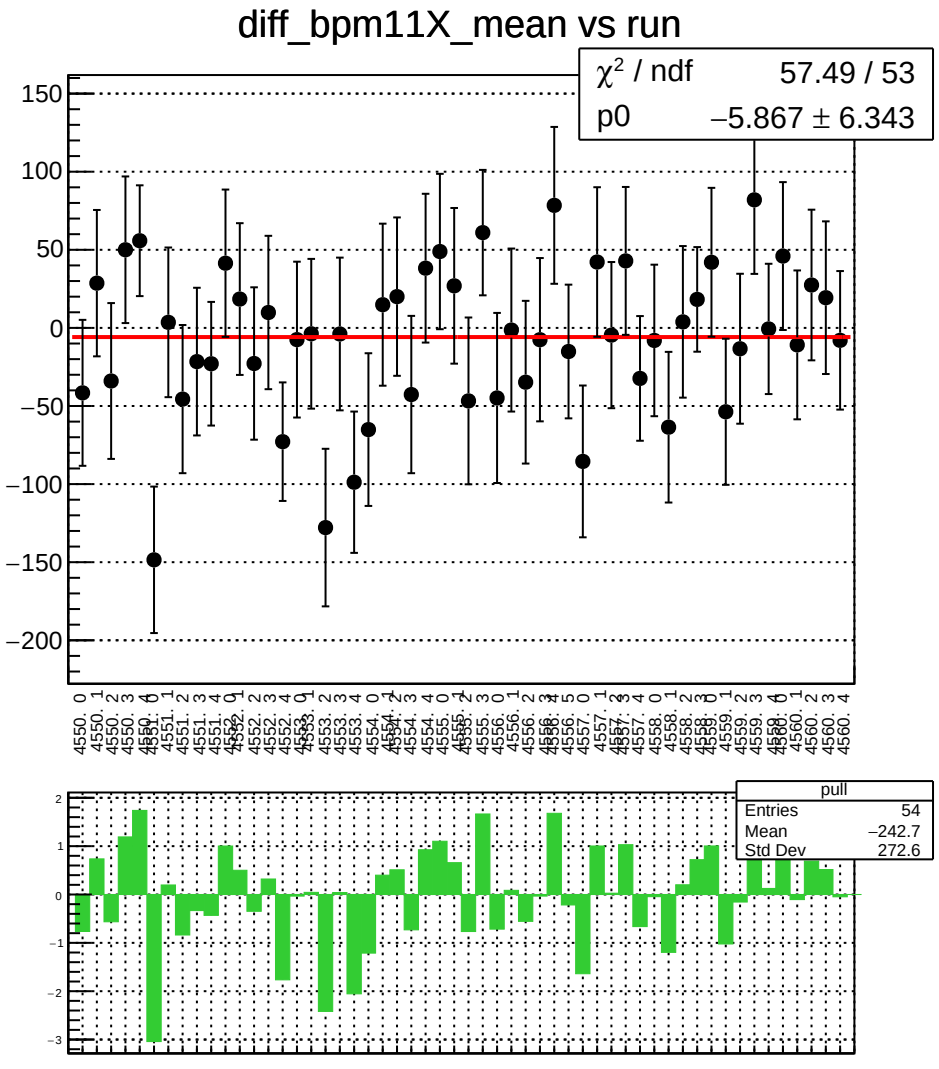

pull1D
Entries 54
Mean 0.01021
Std Dev 1.132

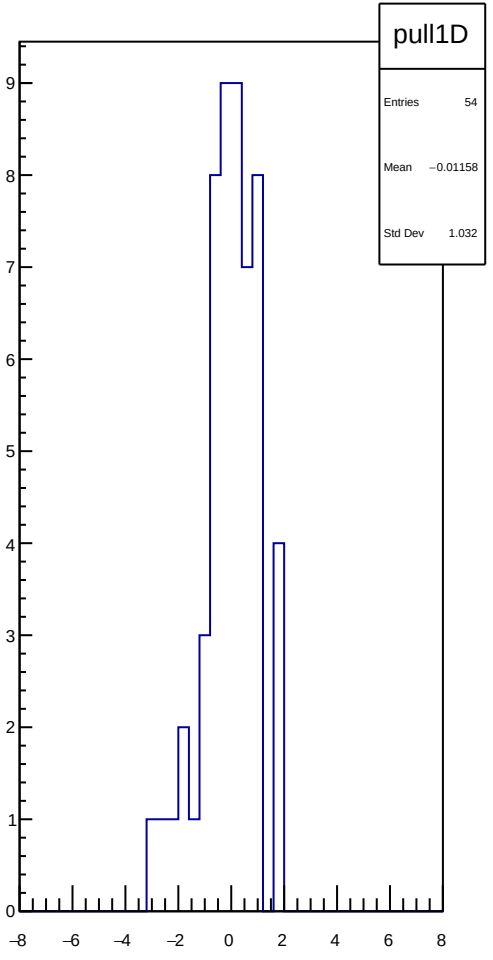

diff_bpm1X_rms vs run
χ² / ndf 1380 / 53
p0 1.075e+04 ± 10.43
11600
11400
11200
11000
10800
10600
10400
10200
10000

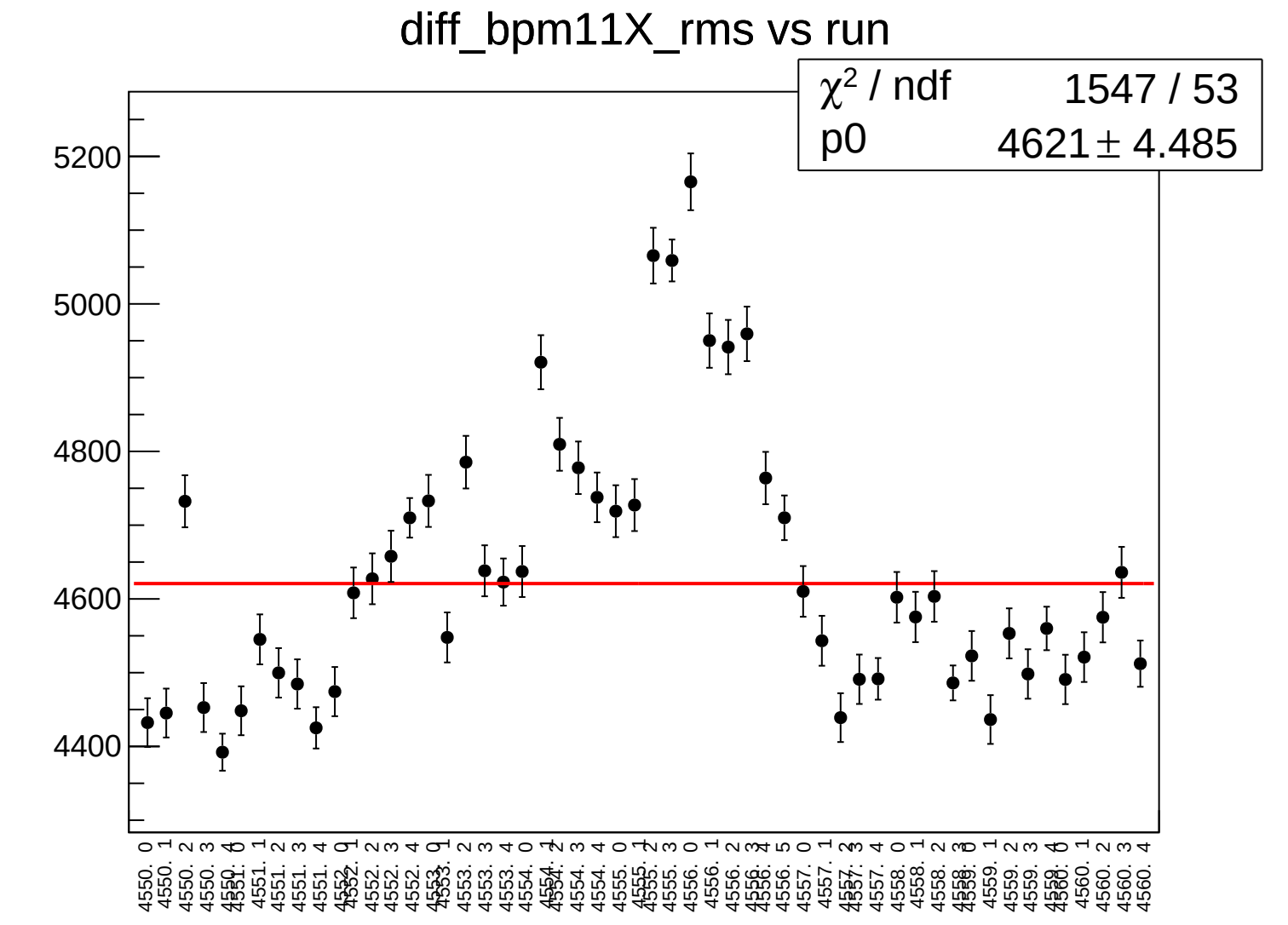

diff_bpm1Y_mean vs run
χ² / ndf 50.68 / 53
p0 2.31 ± 8.938
pull
Entries 54
Mean −18.84
Std Dev 38.69


pull1D
Entries 54
Mean −0.01511
Std Dev 0.9687


diff_bpm1Y_rms vs run
χ² / ndf 7843 / 53
p0 6492 ± 6.32
9000
8500
8000
7500
7000
6500
6000
5500


diff_bpm11X_mean vs run
χ² / ndf 57.49 / 53
p0 −5.867 ± 6.343
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −242.7
Std Dev 272.6
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.01158
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm11X_rms vs run
χ² / ndf 1547 / 53
p0 4621 ± 4.485
5200
5000
4800
4600
4400
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
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4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
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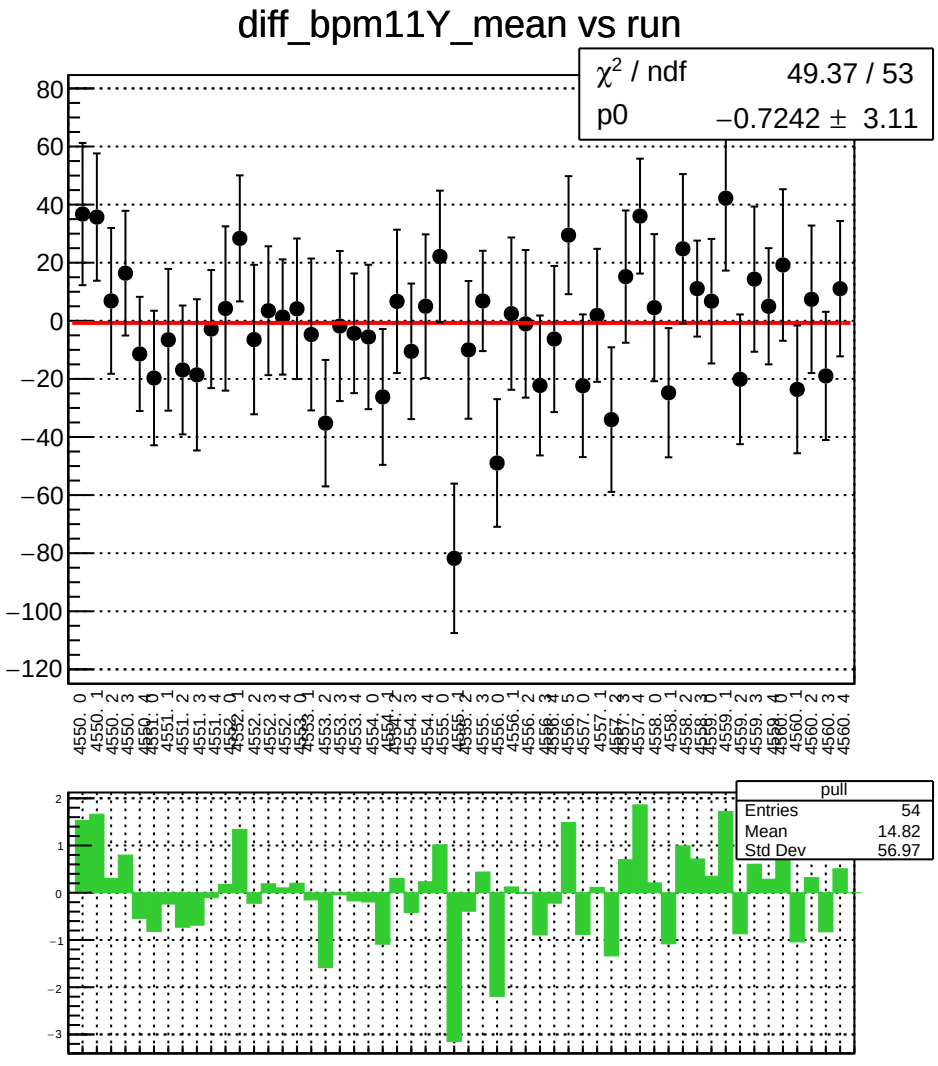
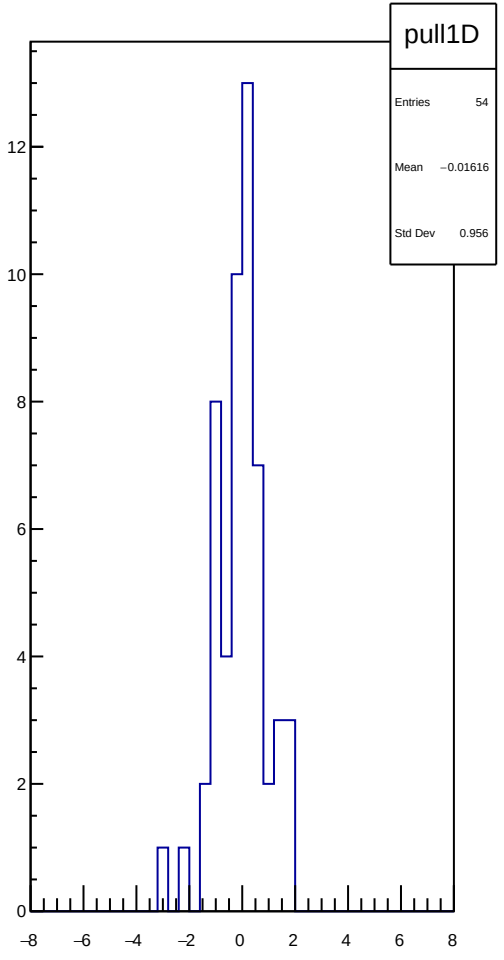
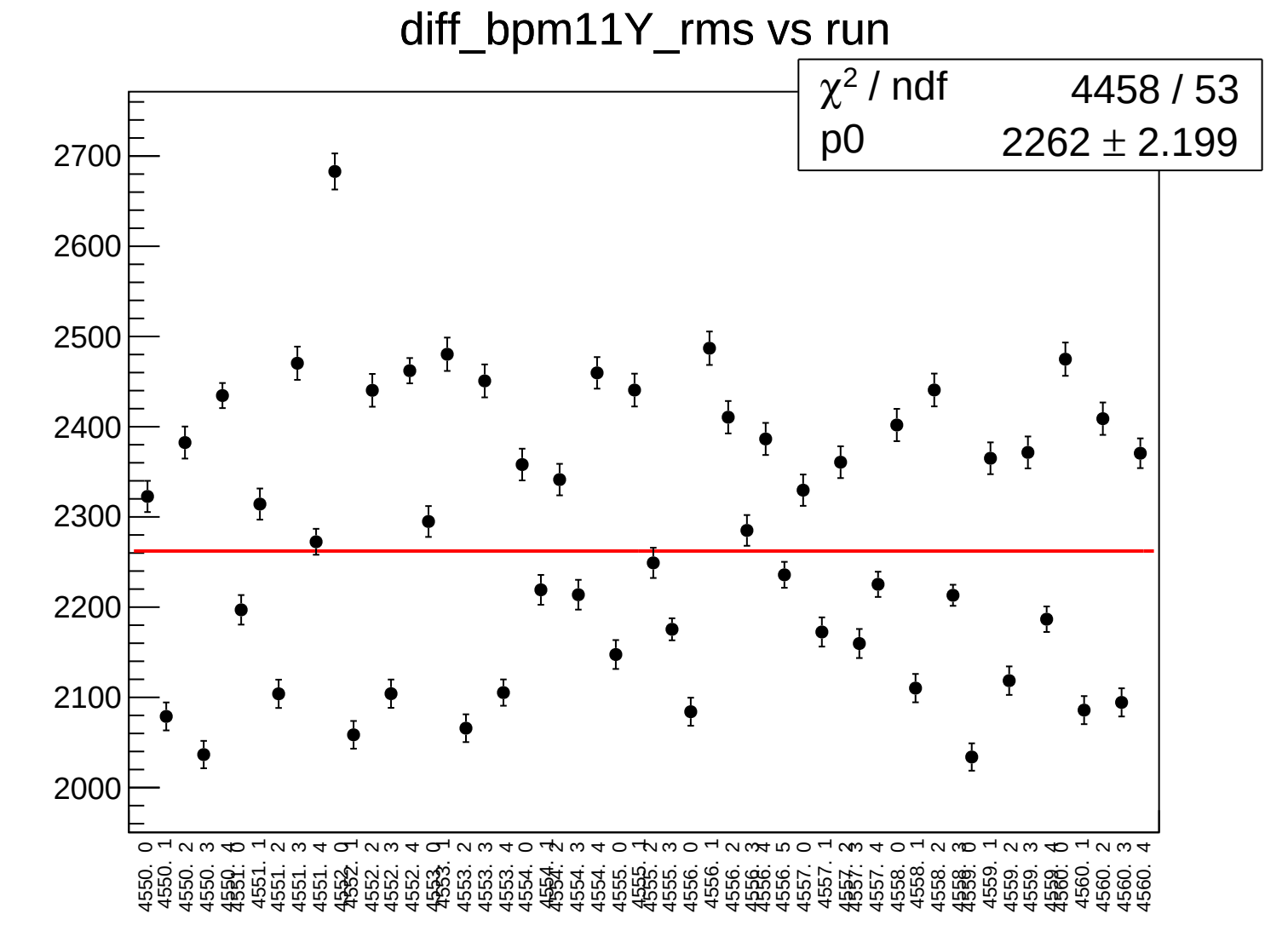
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


diff_bpm11Y_mean vs run
χ² / ndf 49.37 / 53
p0 −0.7242 ± 3.11
pull
Entries 54
Mean 14.82
Std Dev 56.97


pull1D
Entries 54
Mean −0.01616
Std Dev 0.956


diff_bpm11Y_rms vs run
χ² / ndf 4458 / 53
p0 2262 ± 2.199
2700
2600
2500
2400
2300
2200
2100
2000
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
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4559. 2
4559. 3
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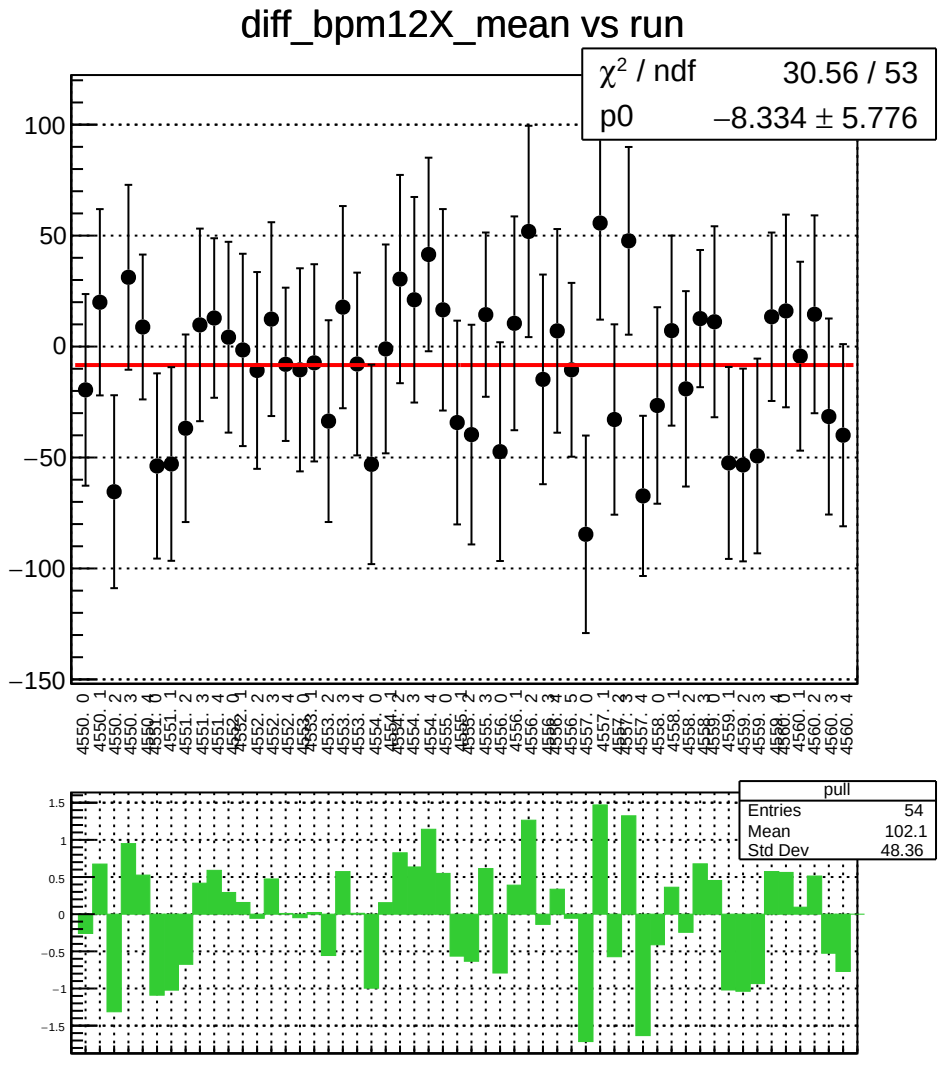
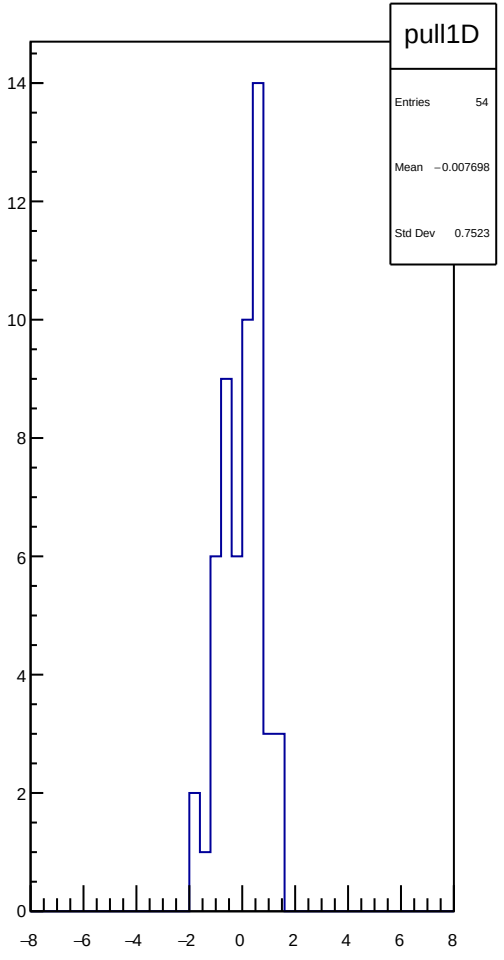
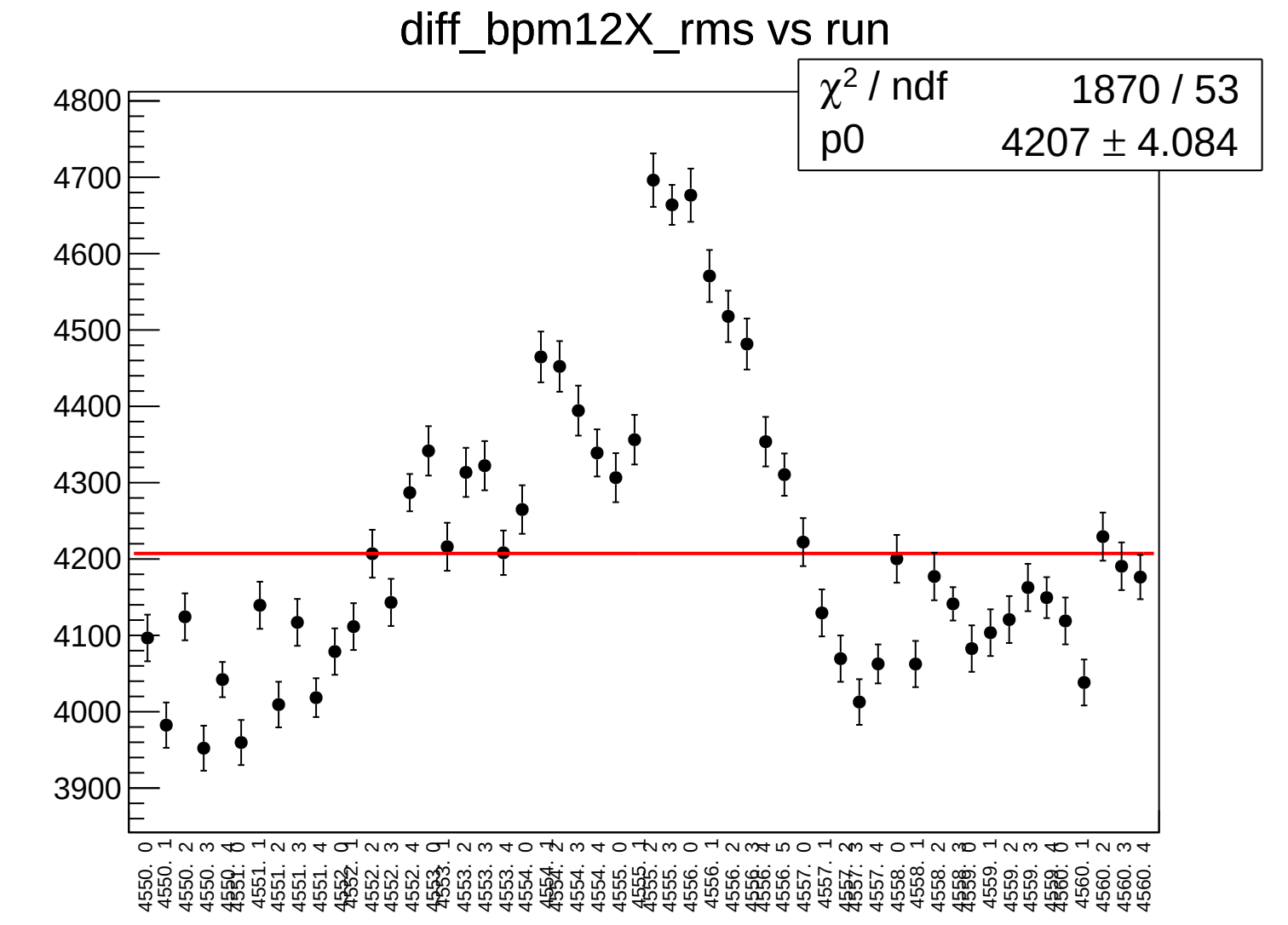
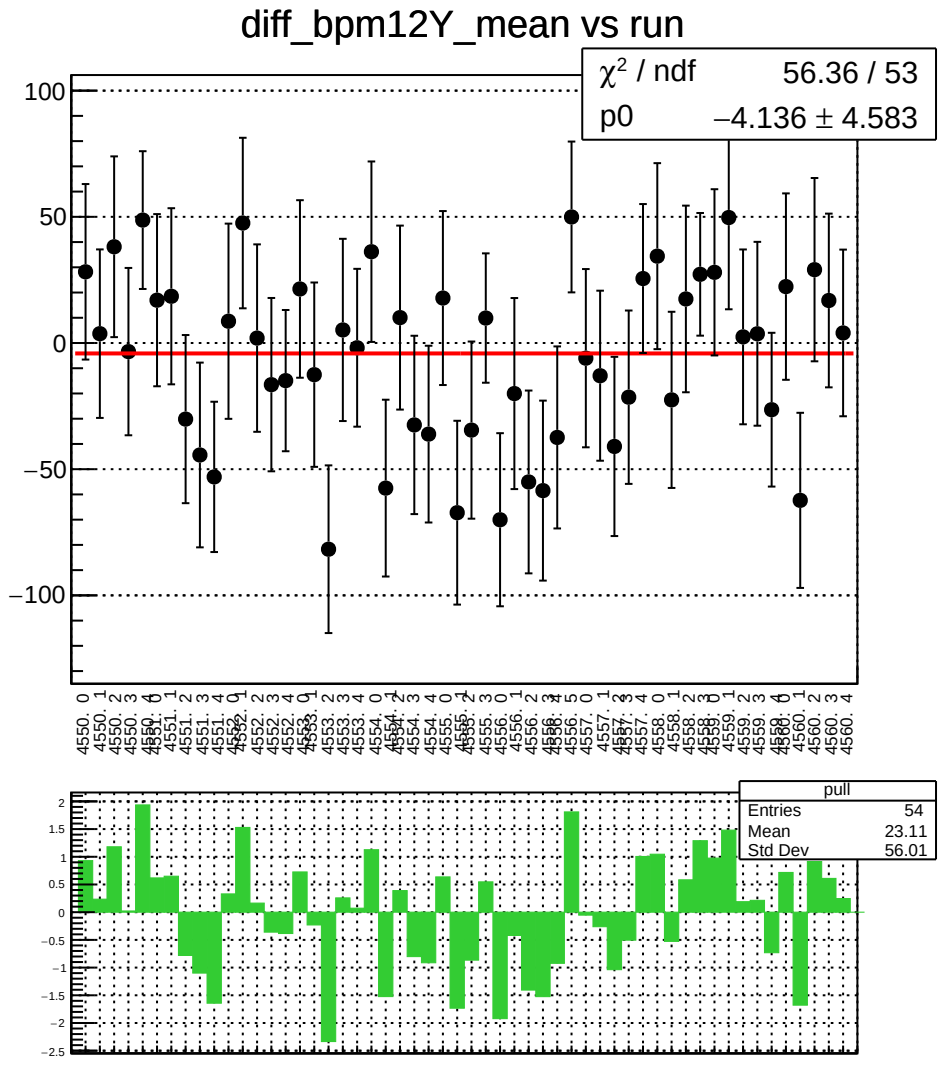
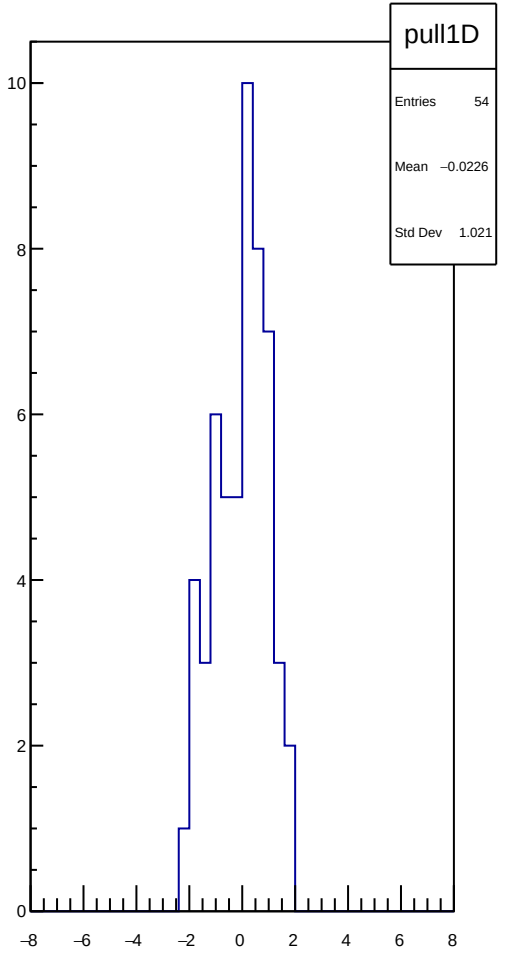
4560. 1
4560. 2
4560. 3
4560. 4

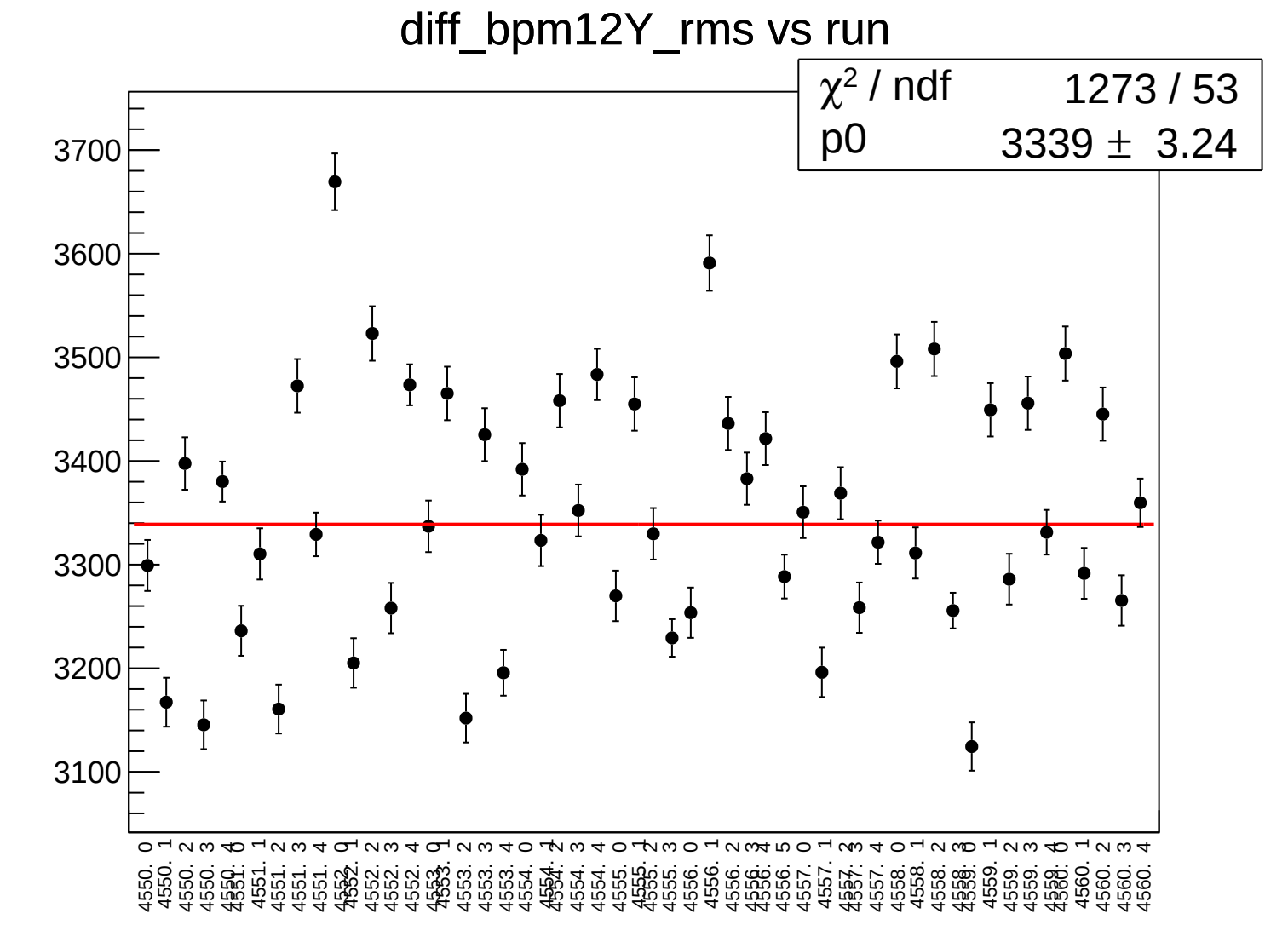

diff_bpm12X_mean vs run
χ² / ndf 30.56 / 53
p0 −8.334 ± 5.776
pull
Entries 54
Mean 102.1
Std Dev 48.36


pull1D
Entries 54
Mean −0.007698
Std Dev 0.7523


diff_bpm12X_rms vs run
χ² / ndf 1870 / 53
p0 4207 ± 4.084
4800
4700
4600
4500
4400
4300
4200
4100
4000
3900


diff_bpm12Y_mean vs run
χ² / ndf 56.36 / 53
p0 −4.136 ± 4.583
pull
Entries 54
Mean 23.11
Std Dev 56.01


pull1D
Entries 54
Mean −0.0226
Std Dev 1.021


diff_bpm12Y_rms vs run
χ² / ndf 1273 / 53
p0 3339 ± 3.24
3700
3600
3500
3400
3300
3200
3100
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
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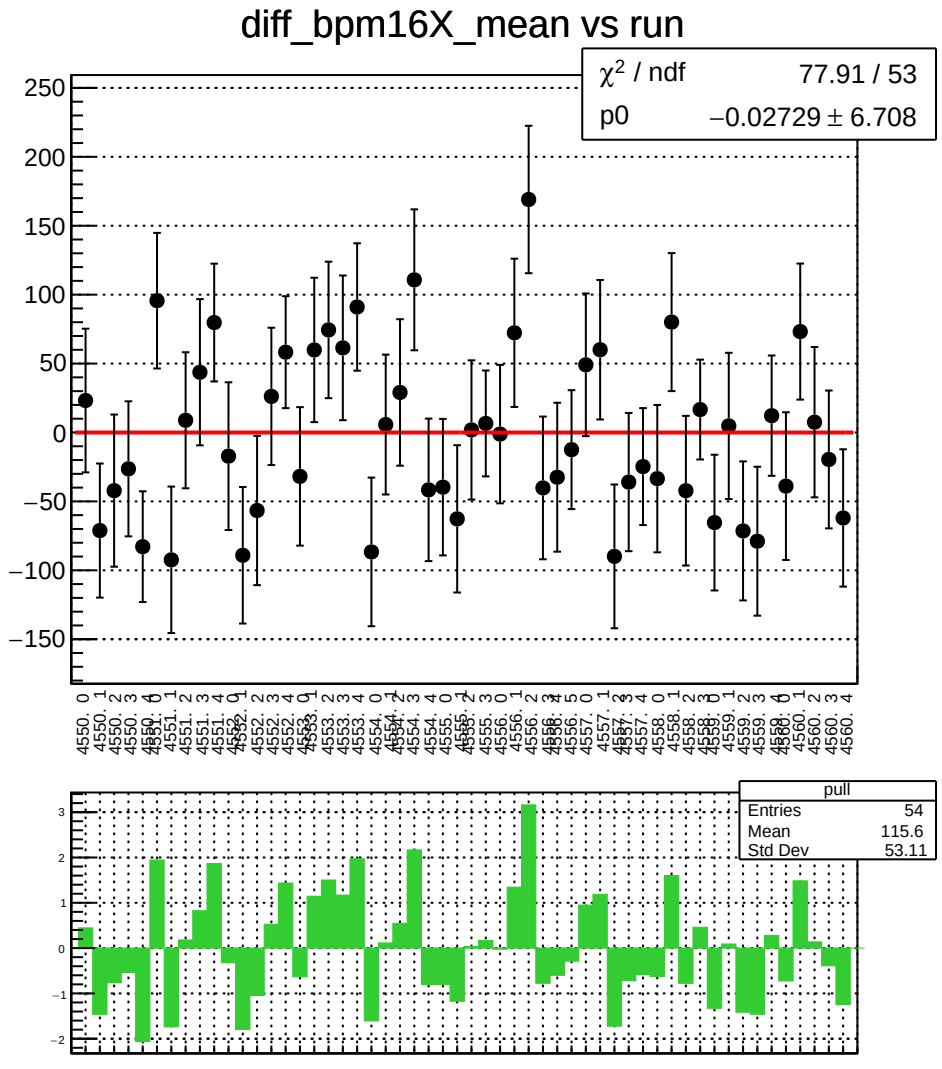
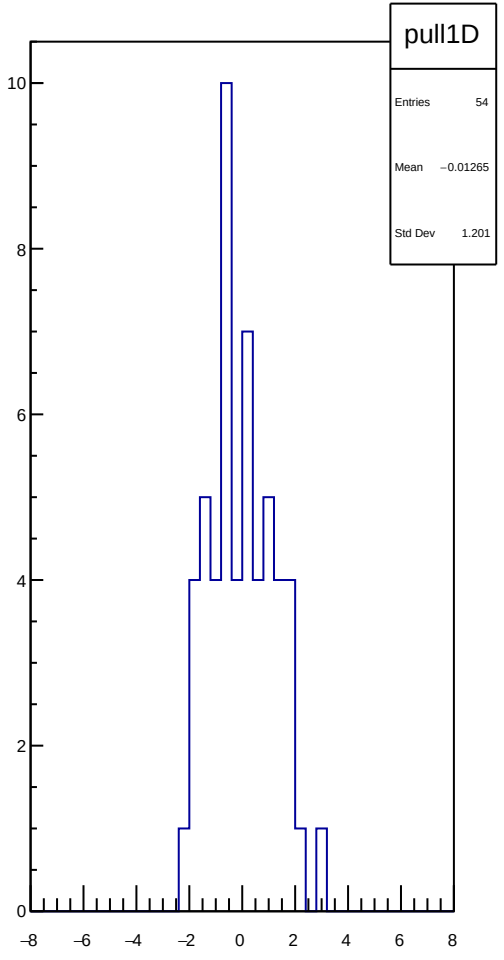
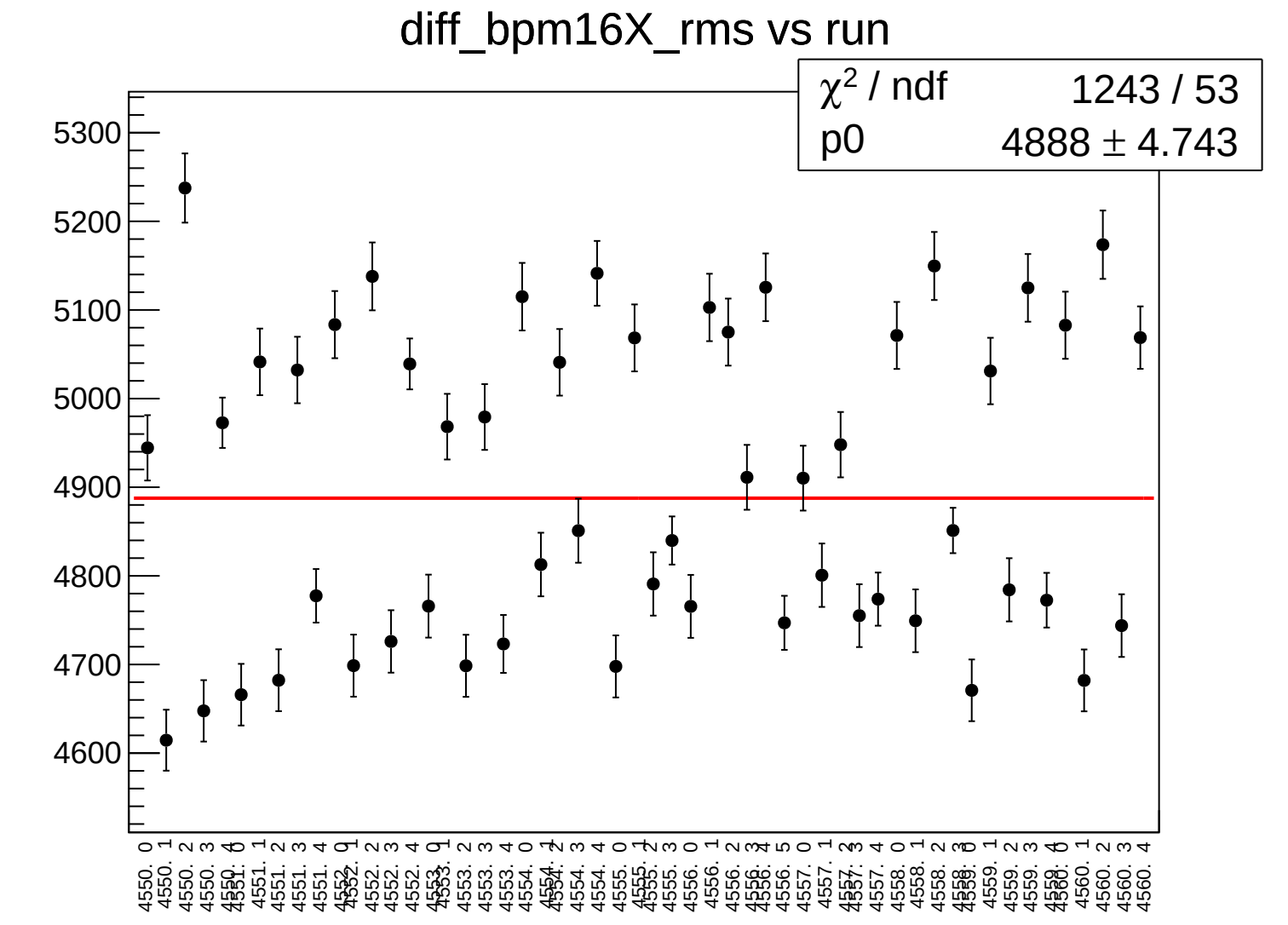
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


diff_bpm16X_mean vs run
χ² / ndf 77.91 / 53
p0 −0.02729 ± 6.708
pull
Entries 54
Mean 115.6
Std Dev 53.11


pull1D
Entries 54
Mean −0.01265
Std Dev 1.201


diff_bpm16X_rms vs run
χ² / ndf 1243 / 53
p0 4888 ± 4.743
5300
5200
5100
5000
4900
4800
4700
4600
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
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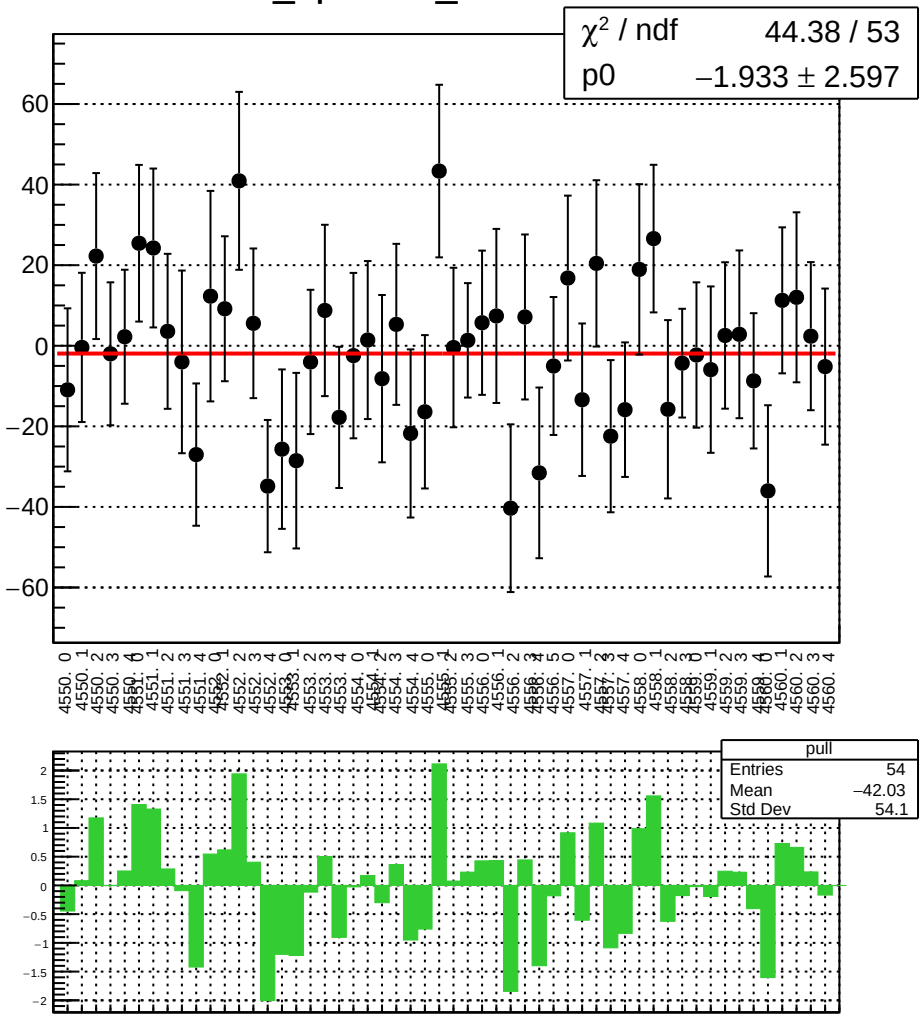
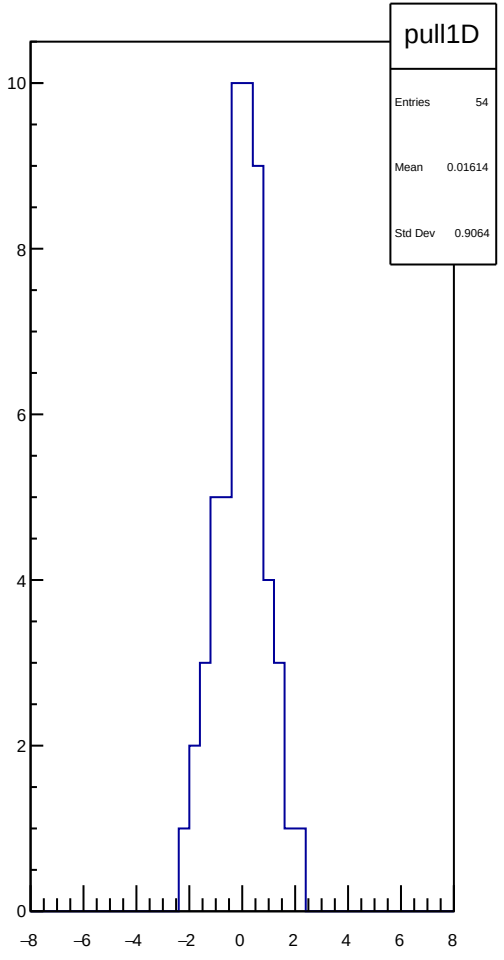
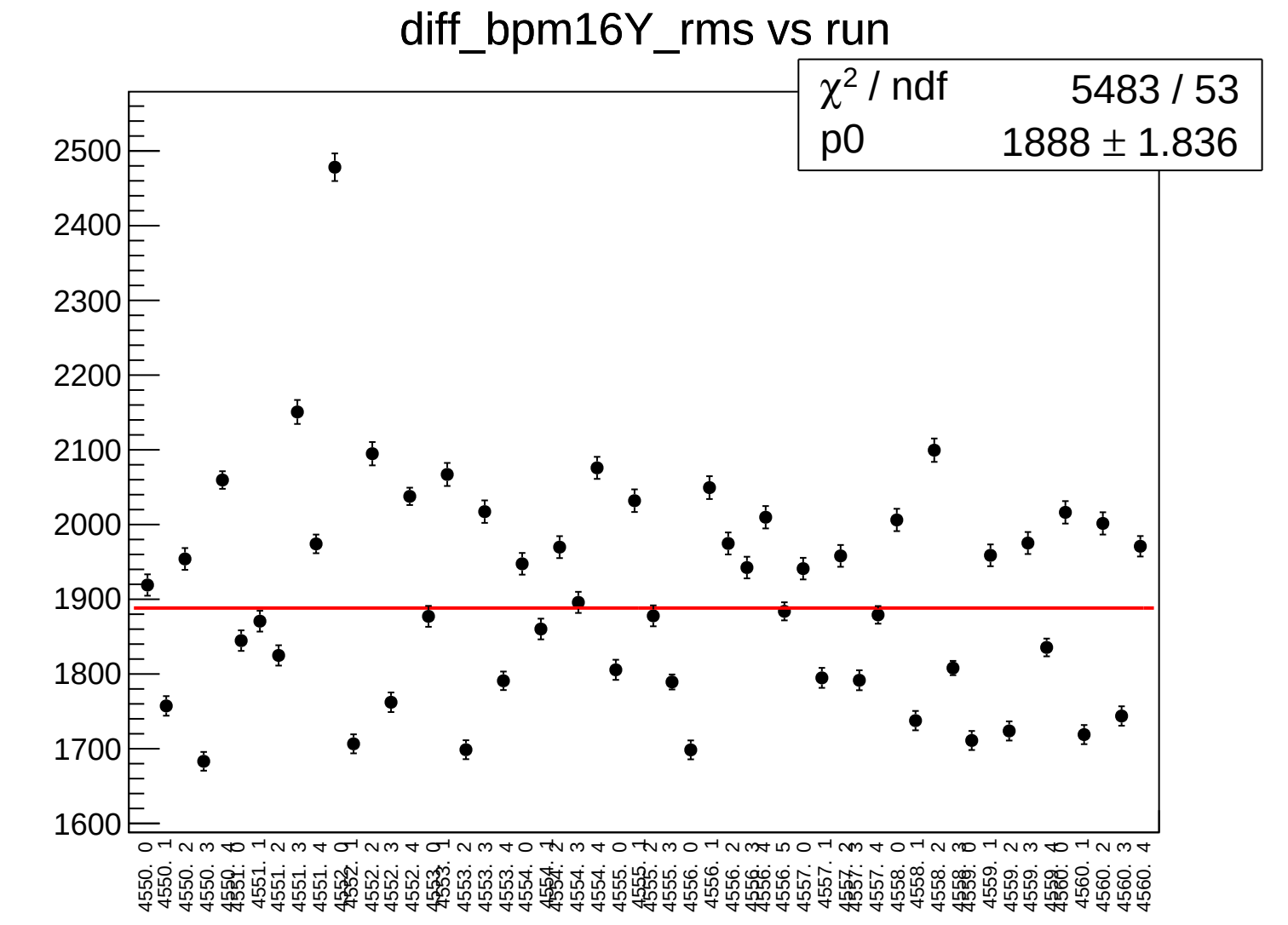
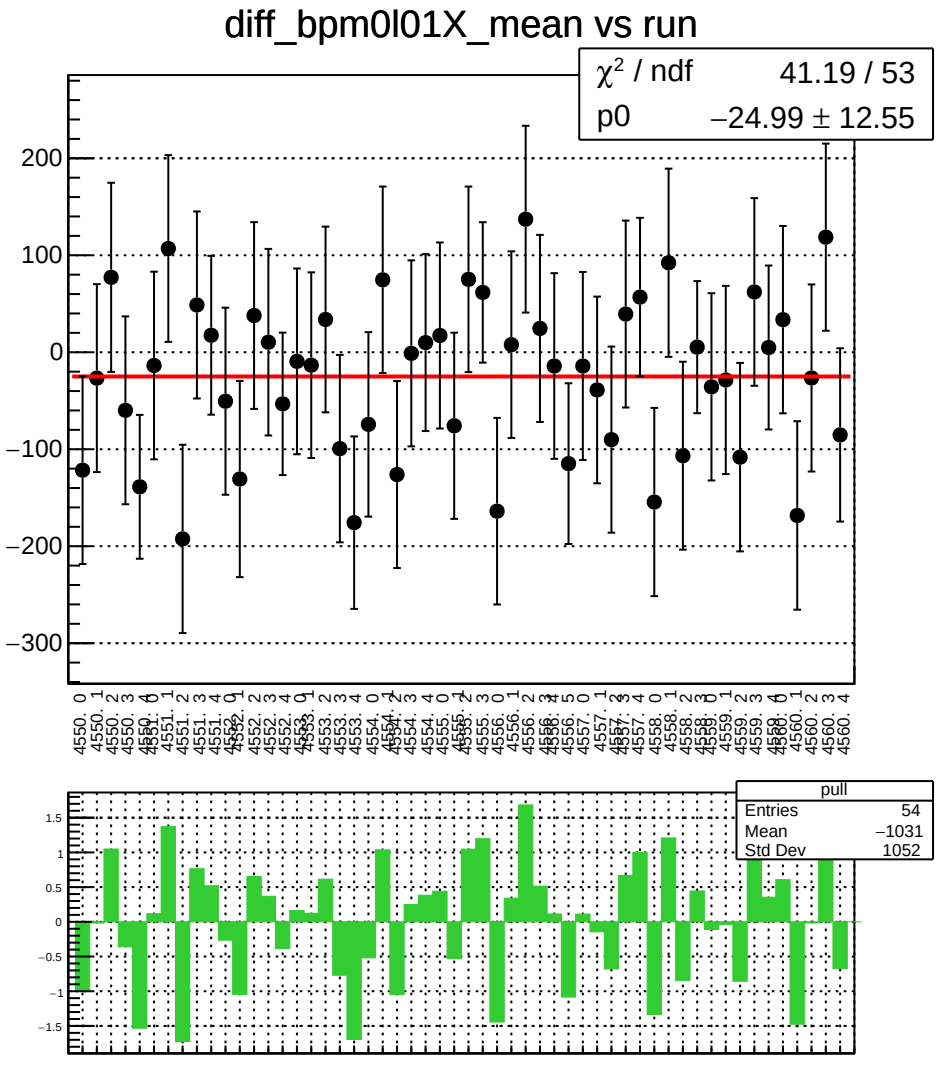
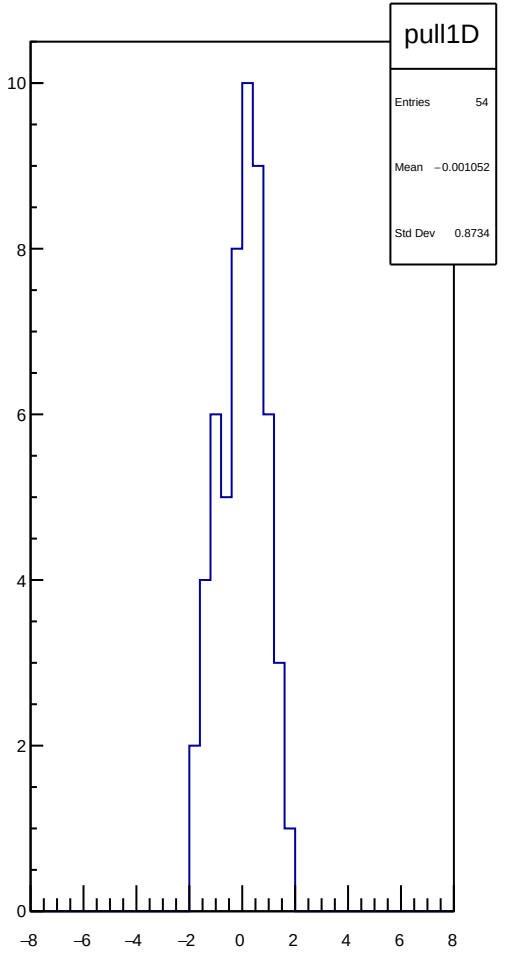
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

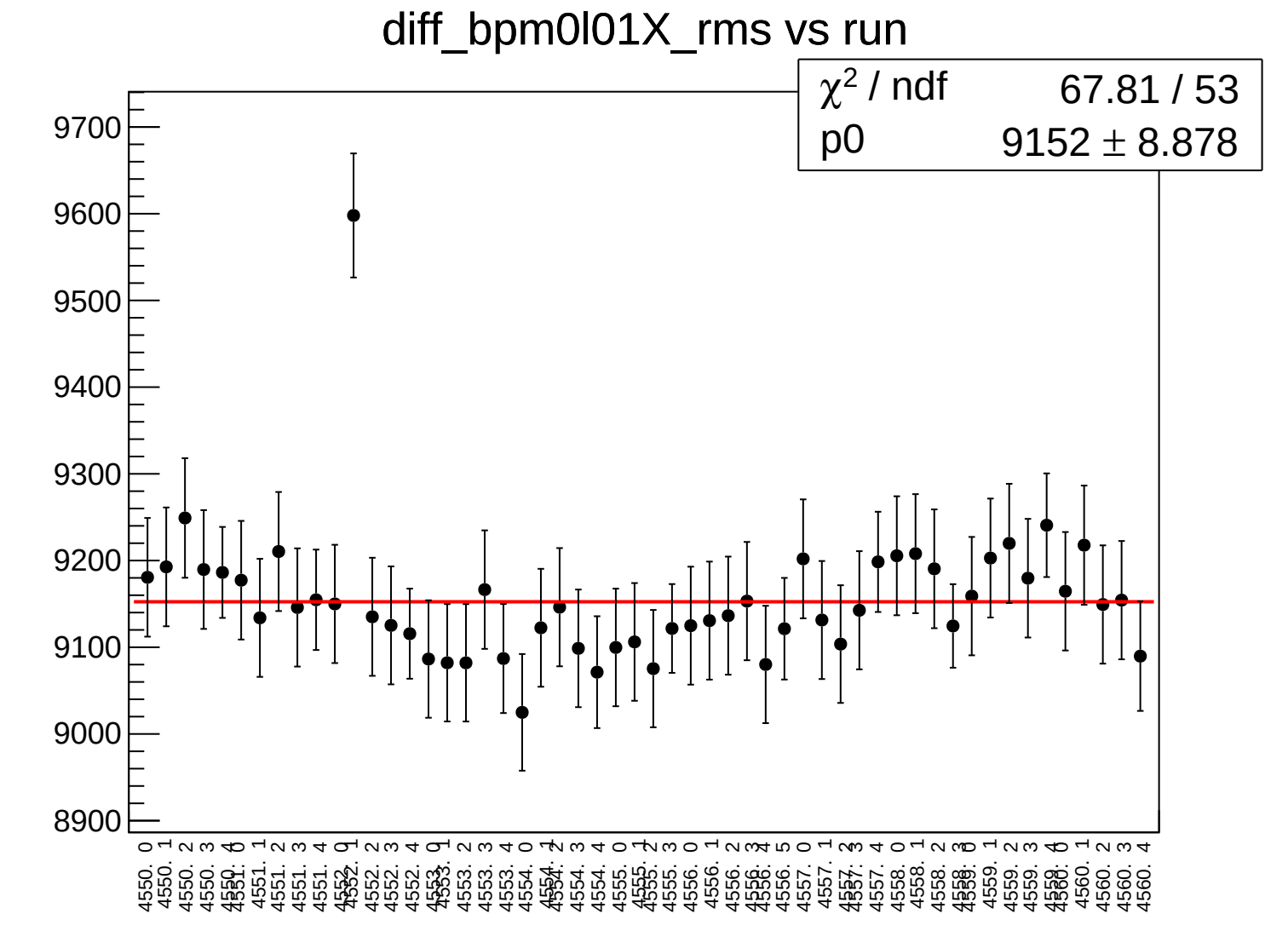

diff_bpm16Y_mean vs run
χ² / ndf 44.38 / 53
p0 −1.933 ± 2.597
pull
Entries 54
Mean −42.03
Std Dev 54.1

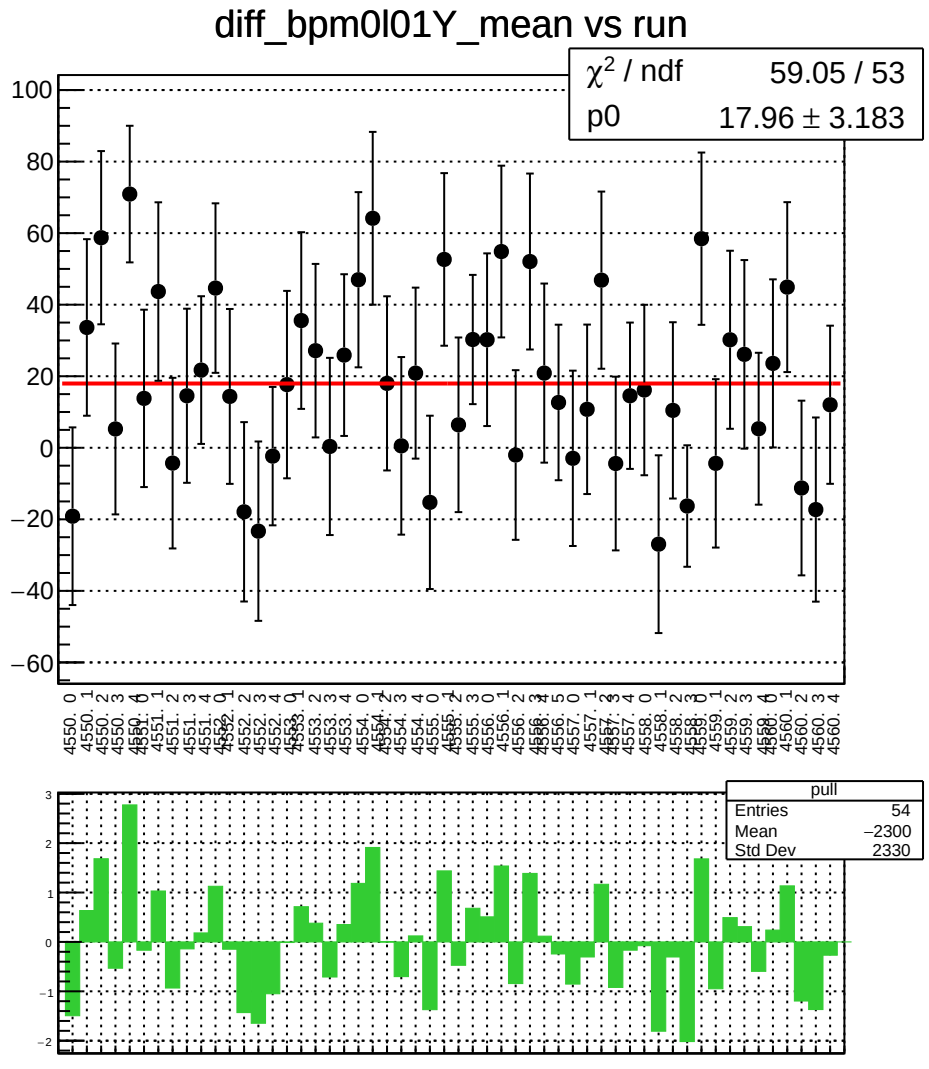

pull1D
Entries 54
Mean 0.01614
Std Dev 0.9064

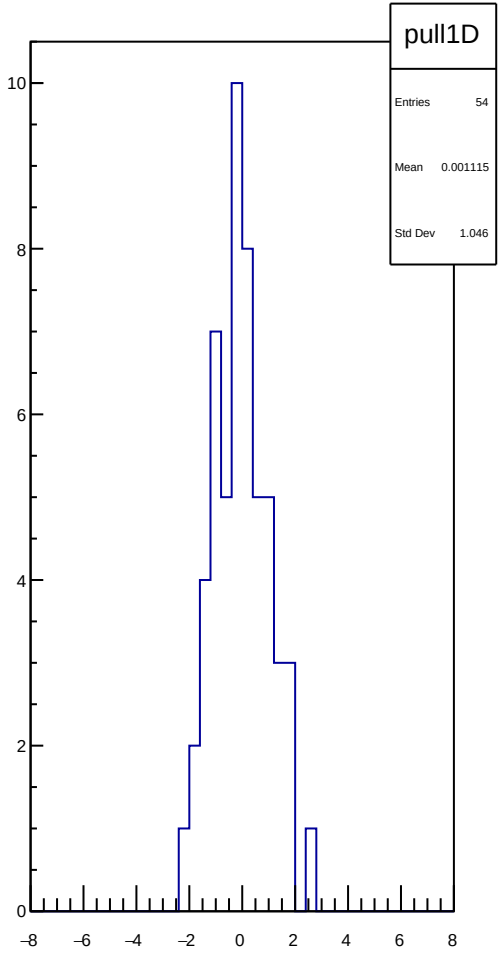

diff_bpm16Y_rms vs run
χ² / ndf 5483 / 53
p0 1888 ± 1.836
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600

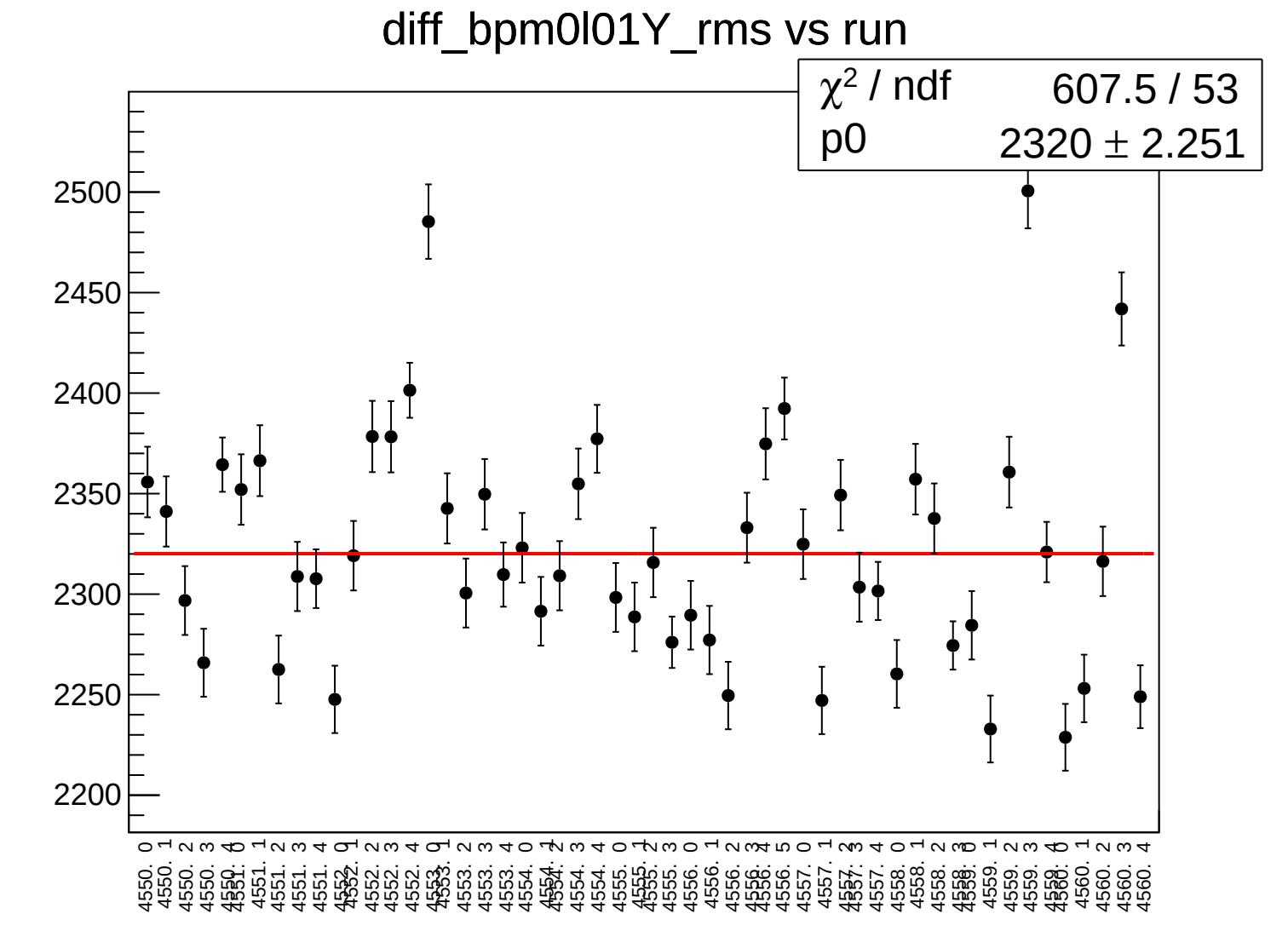

diff_bpm0l01X_mean vs run
χ² / ndf 41.19 / 53
p0 −24.99 ± 12.55
200
100
0
−100
−200
−300
pull
Entries 54
Mean −1031
Std Dev 1052
1.5
1
0.5
0
−0.5
−1
−1.5

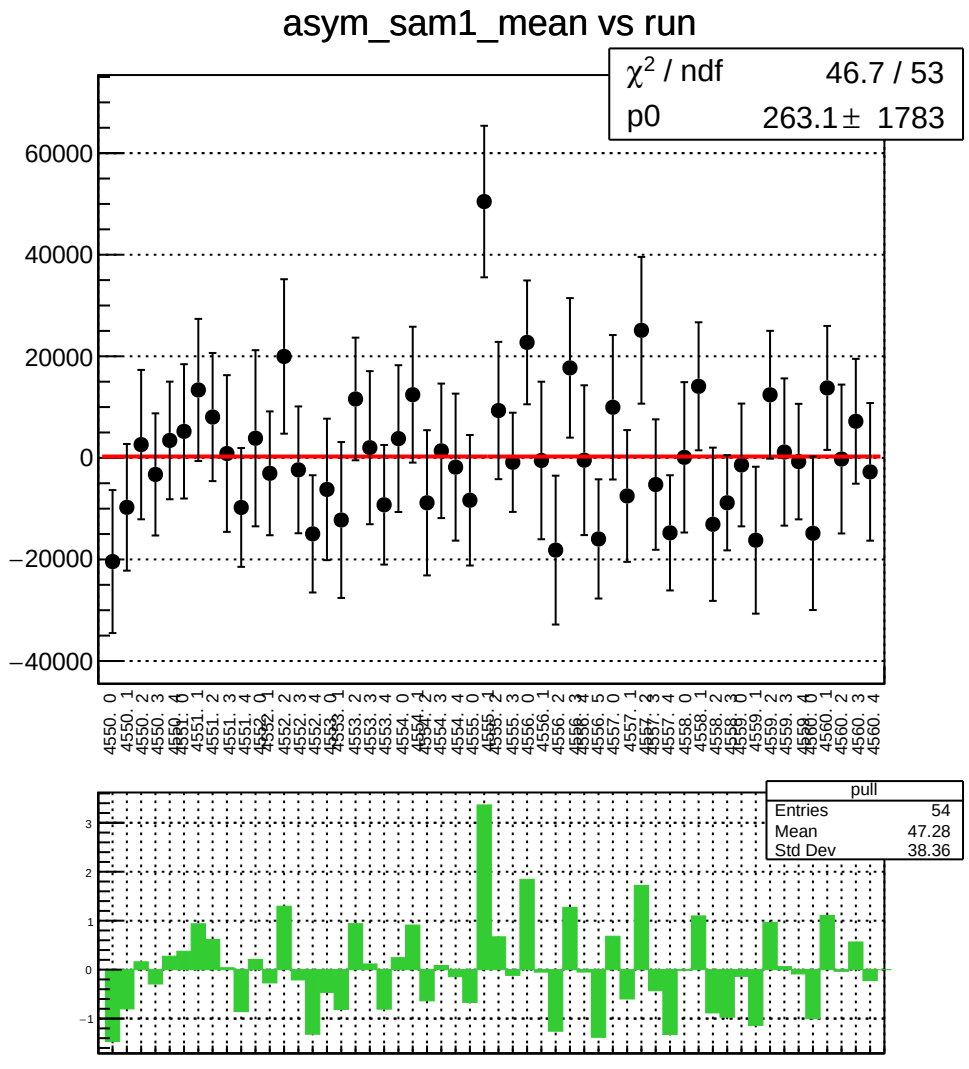

pull1D
Entries 54
Mean −0.001052
Std Dev 0.8734
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

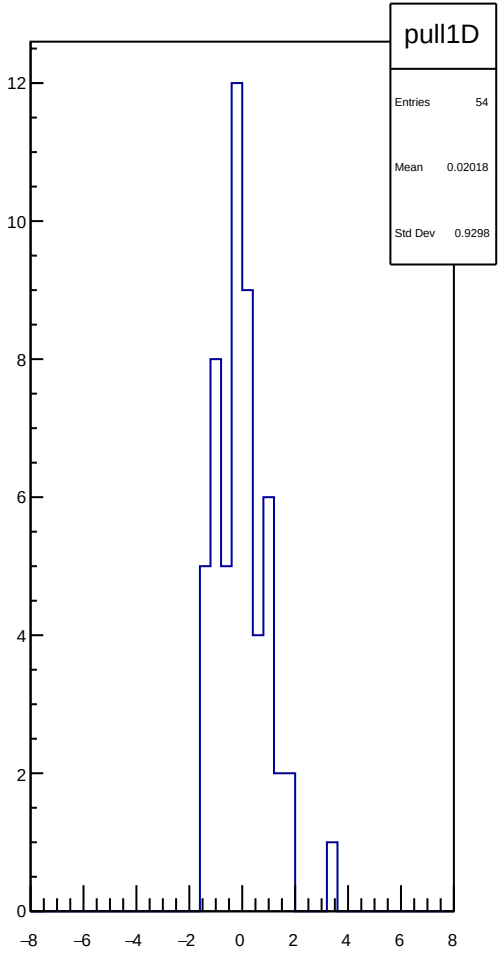

diff_bpm0l01X_rms vs run
χ² / ndf 67.81 / 53
p0 9152 ± 8.878
9700
9600
9500
9400
9300
9200
9100
9000
8900

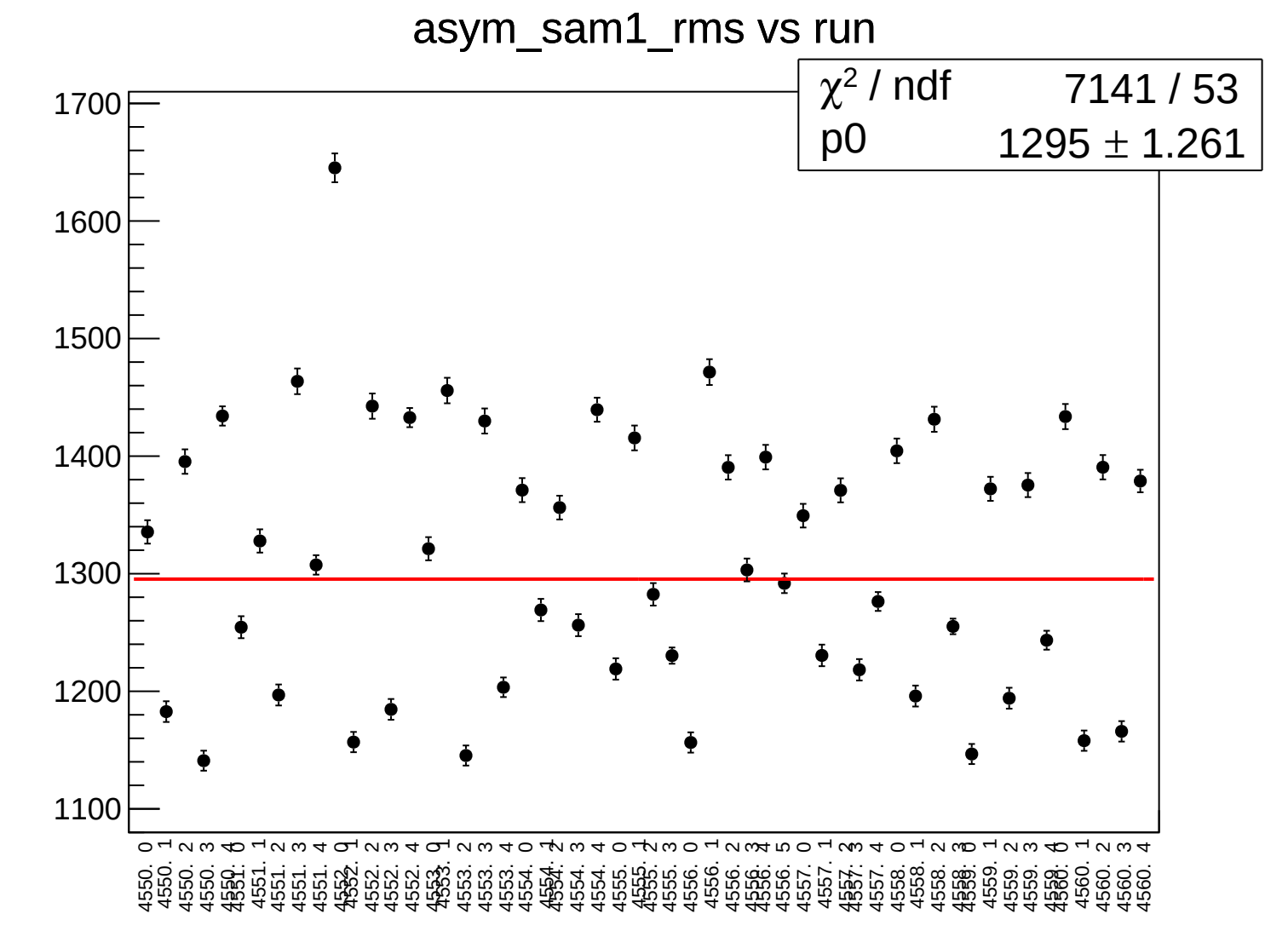

diff_bpm0l01Y_mean vs run
χ² / ndf 59.05 / 53
p0 17.96 ± 3.183
pull
Entries 54
Mean −2300
Std Dev 2330

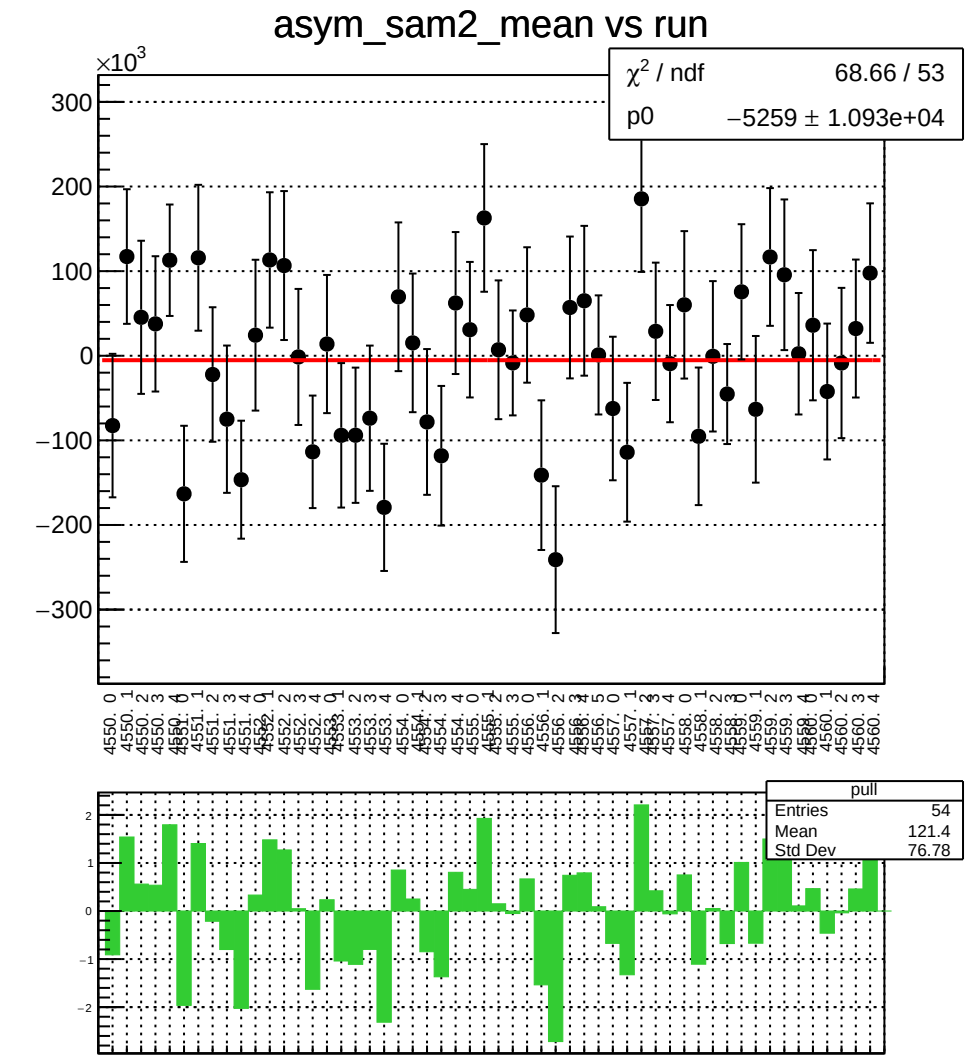

pull1D
Entries 54
Mean 0.001115
Std Dev 1.046

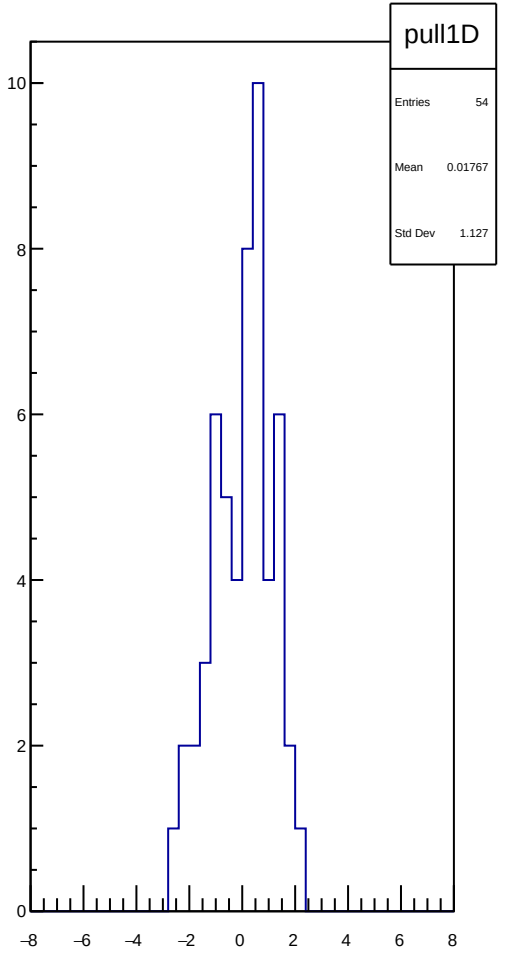

diff_bpm0l01Y_rms vs run
χ² / ndf 607.5 / 53
p0 2320 ± 2.251
2500
2450
2400
2350
2300
2250
2200
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

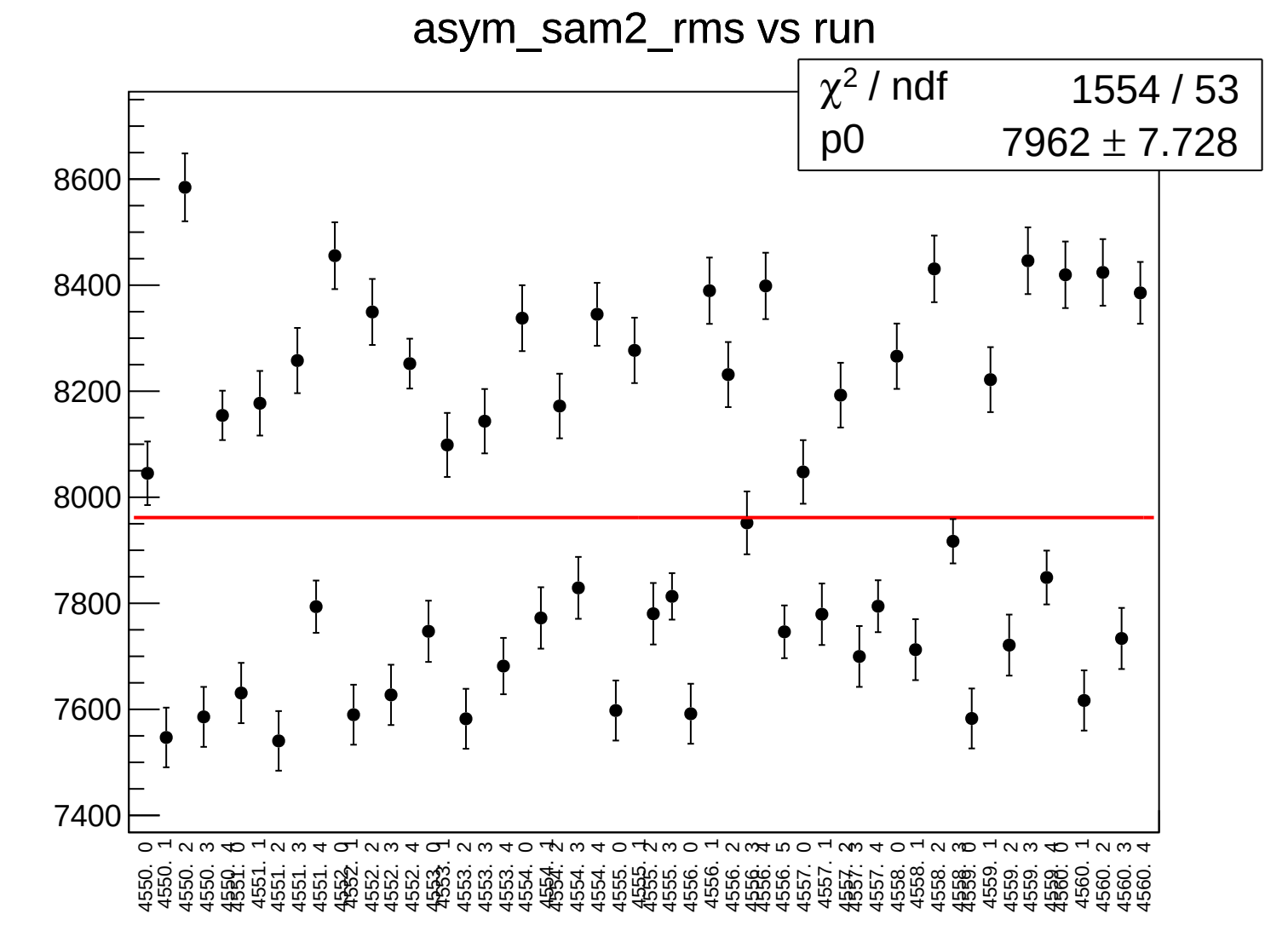

asym_sam1_mean vs run
χ² / ndf 46.7 / 53
p0 263.1 ± 1783
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 47.28
Std Dev 38.36
3
2
1
0
−1

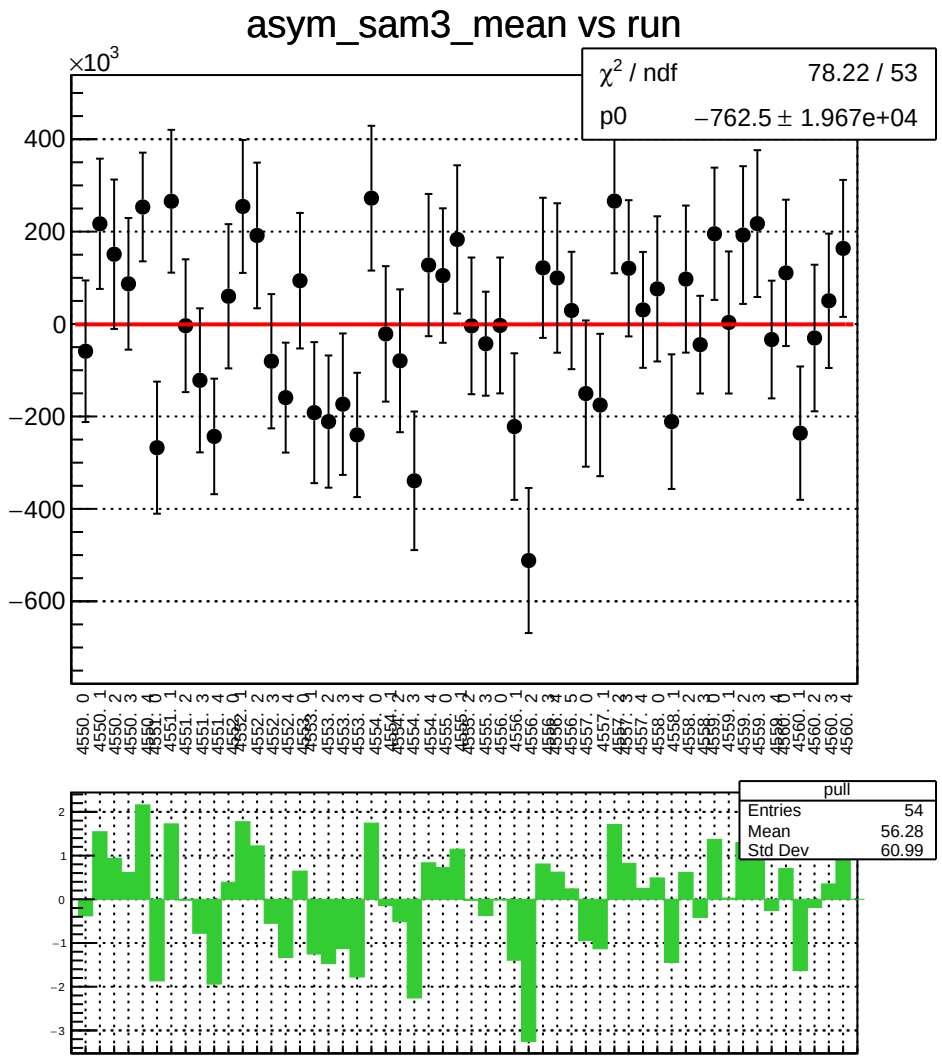

pull1D
Entries 54
Mean 0.02018
Std Dev 0.9298
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

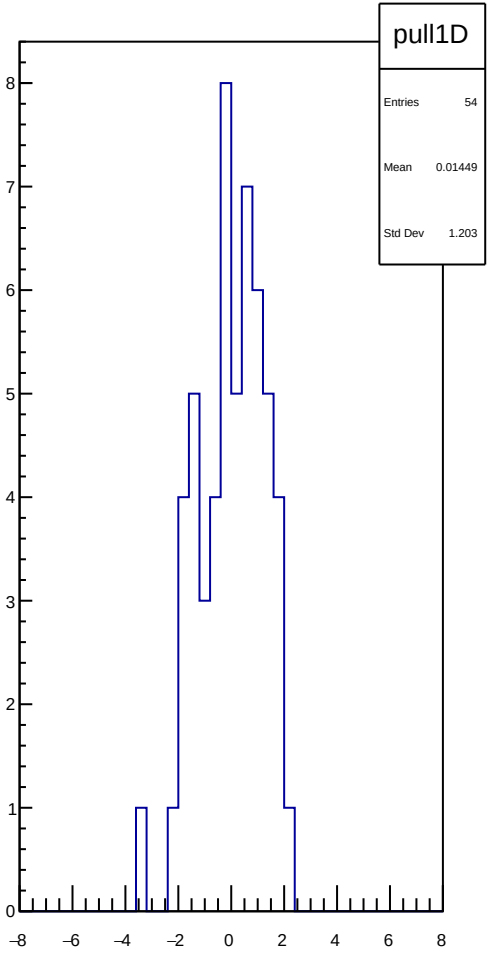

asym_sam1_rms vs run
χ² / ndf 7141 / 53
p0 1295 ± 1.261
1700
1600
1500
1400
1300
1200
1100
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

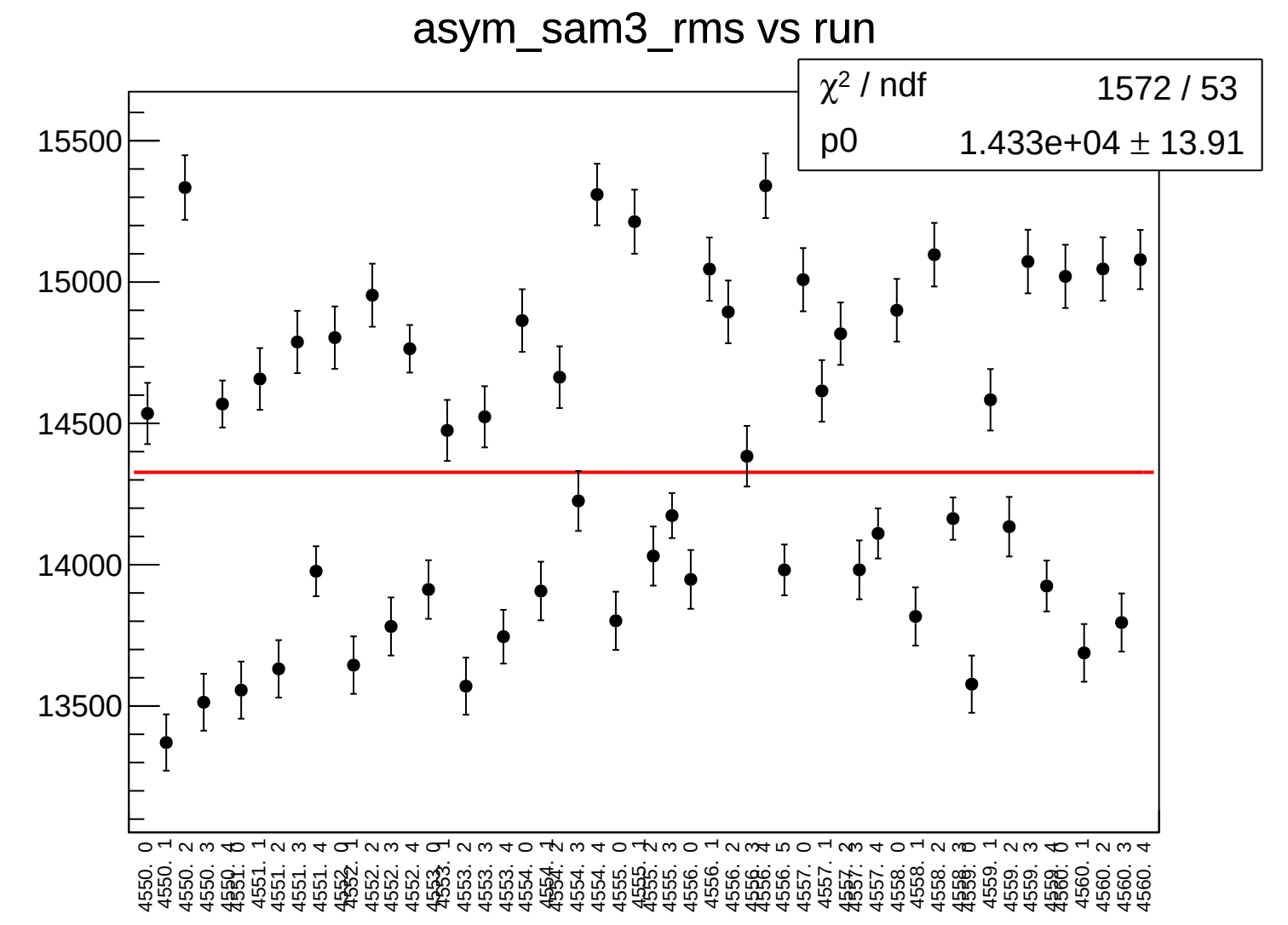

asym_sam2_mean vs run
×10^3
χ² / ndf 68.66 / 53
p0 −5259 ± 1.093e+04
pull
Entries 54
Mean 121.4
Std Dev 76.78

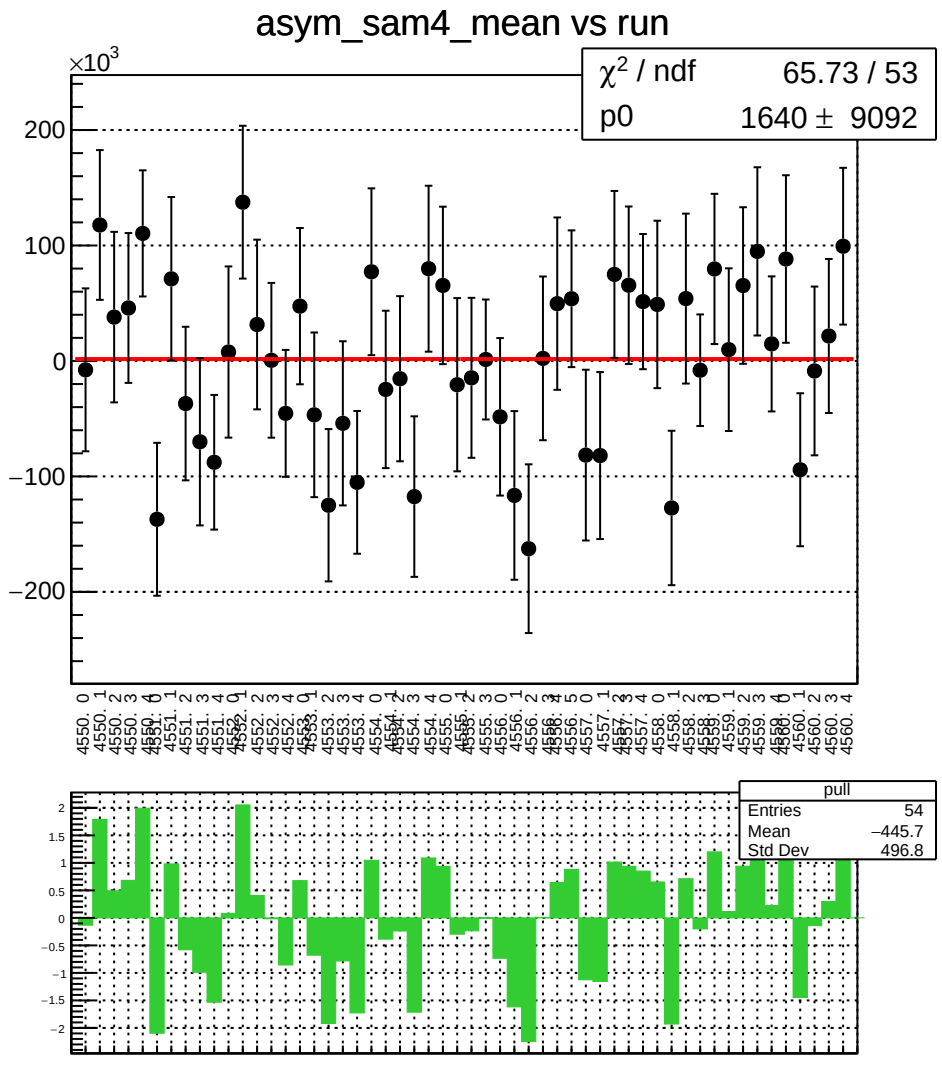

pull1D
Entries 54
Mean 0.01767
Std Dev 1.127

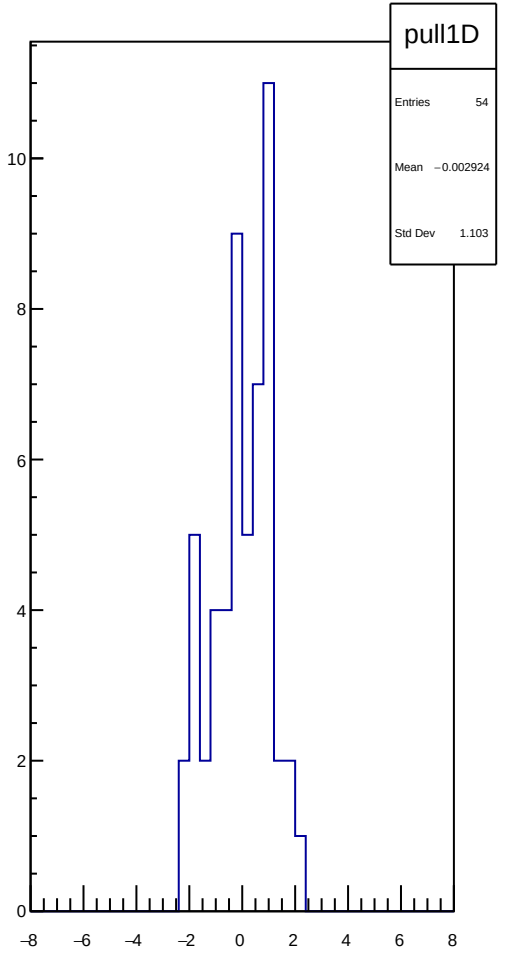

asym_sam2_rms vs run
χ² / ndf 1554 / 53
p0 7962 ± 7.728
8600
8400
8200
8000
7800
7600
7400
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

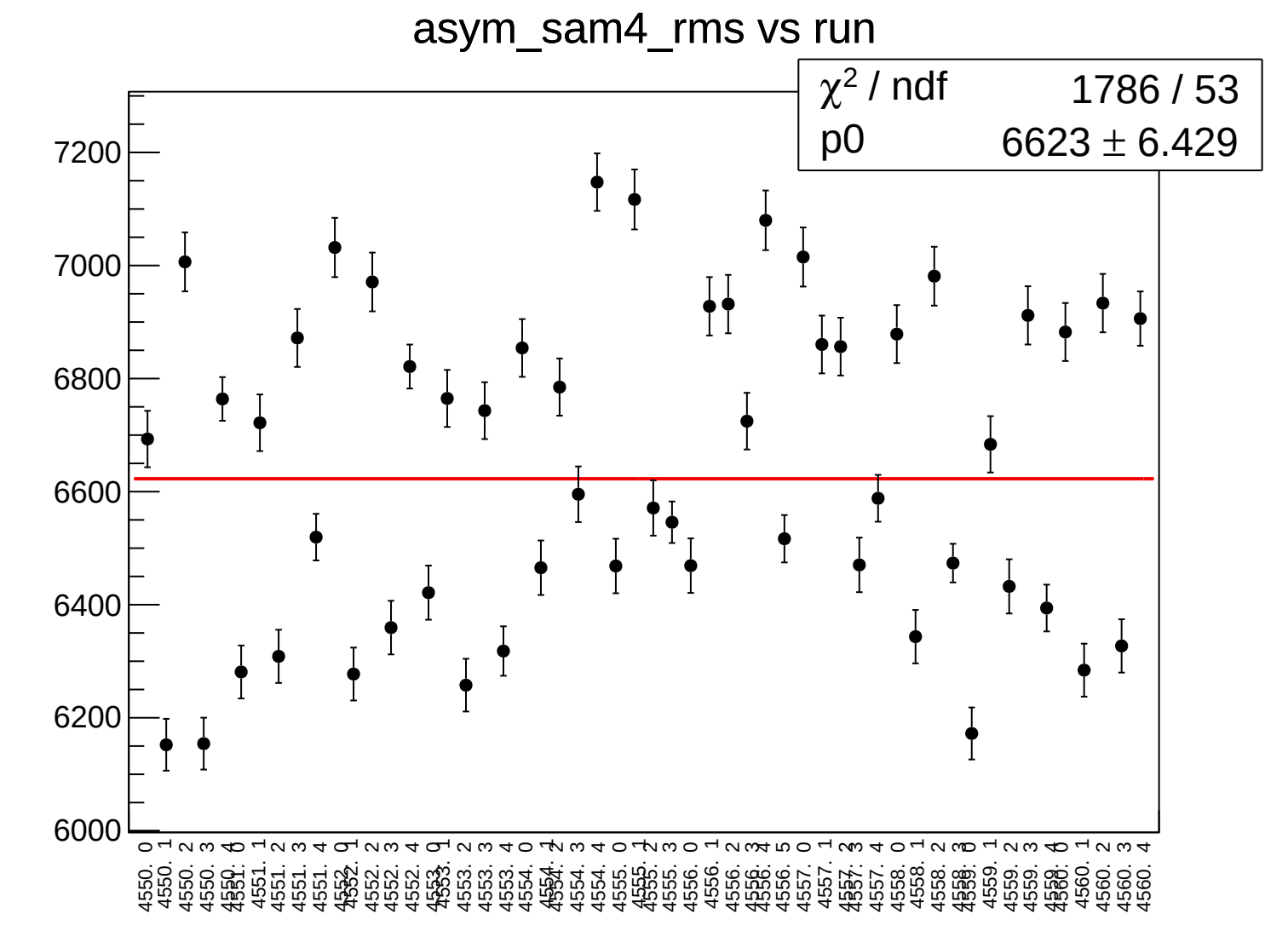

asym_sam3_mean vs run
×10^3
χ² / ndf 78.22 / 53
p0 −762.5 ± 1.967e+04
400
200
0
−200
−400
−600
pull
Entries 54
Mean 56.28
Std Dev 60.99
2
1
0
−1
−2
−3

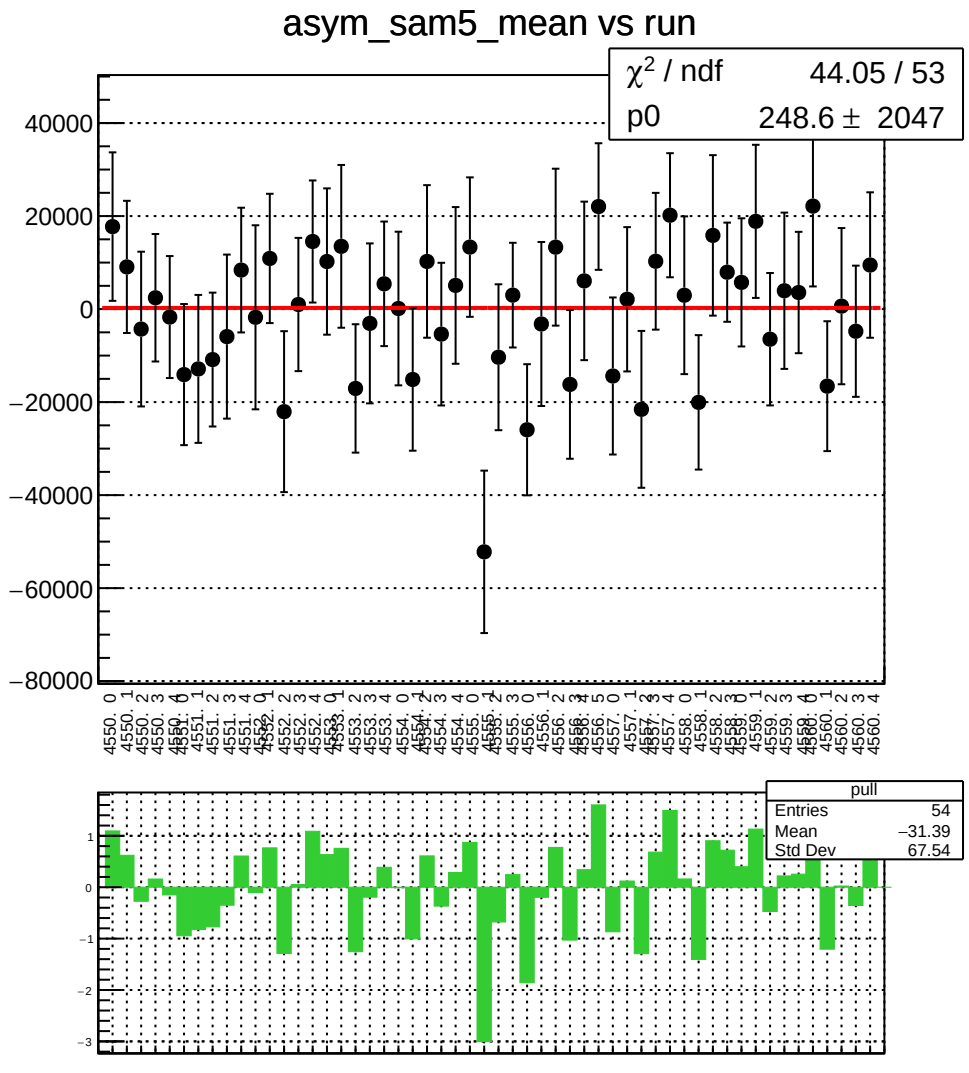

pull1D
Entries 54
Mean 0.01449
Std Dev 1.203
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

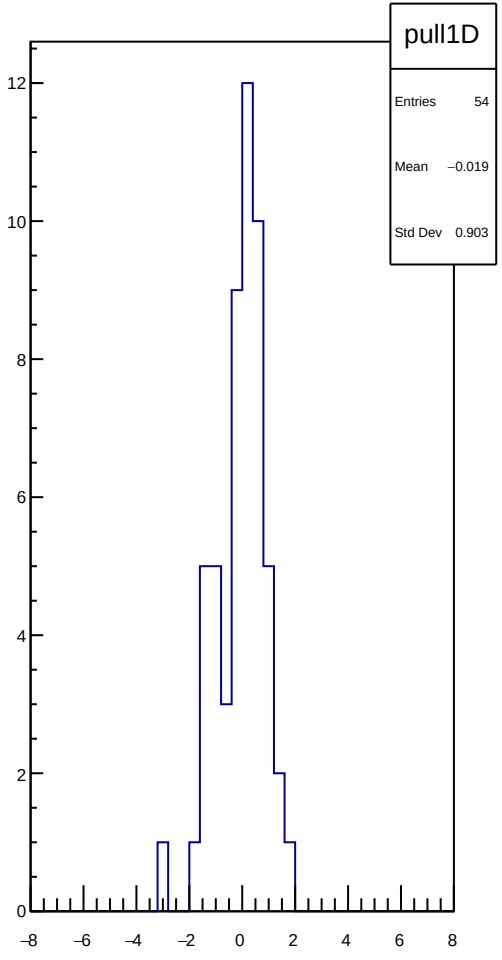

asym_sam3_rms vs run
χ² / ndf 1572 / 53
p0 1.433e+04 ± 13.91
15500
15000
14500
14000
13500

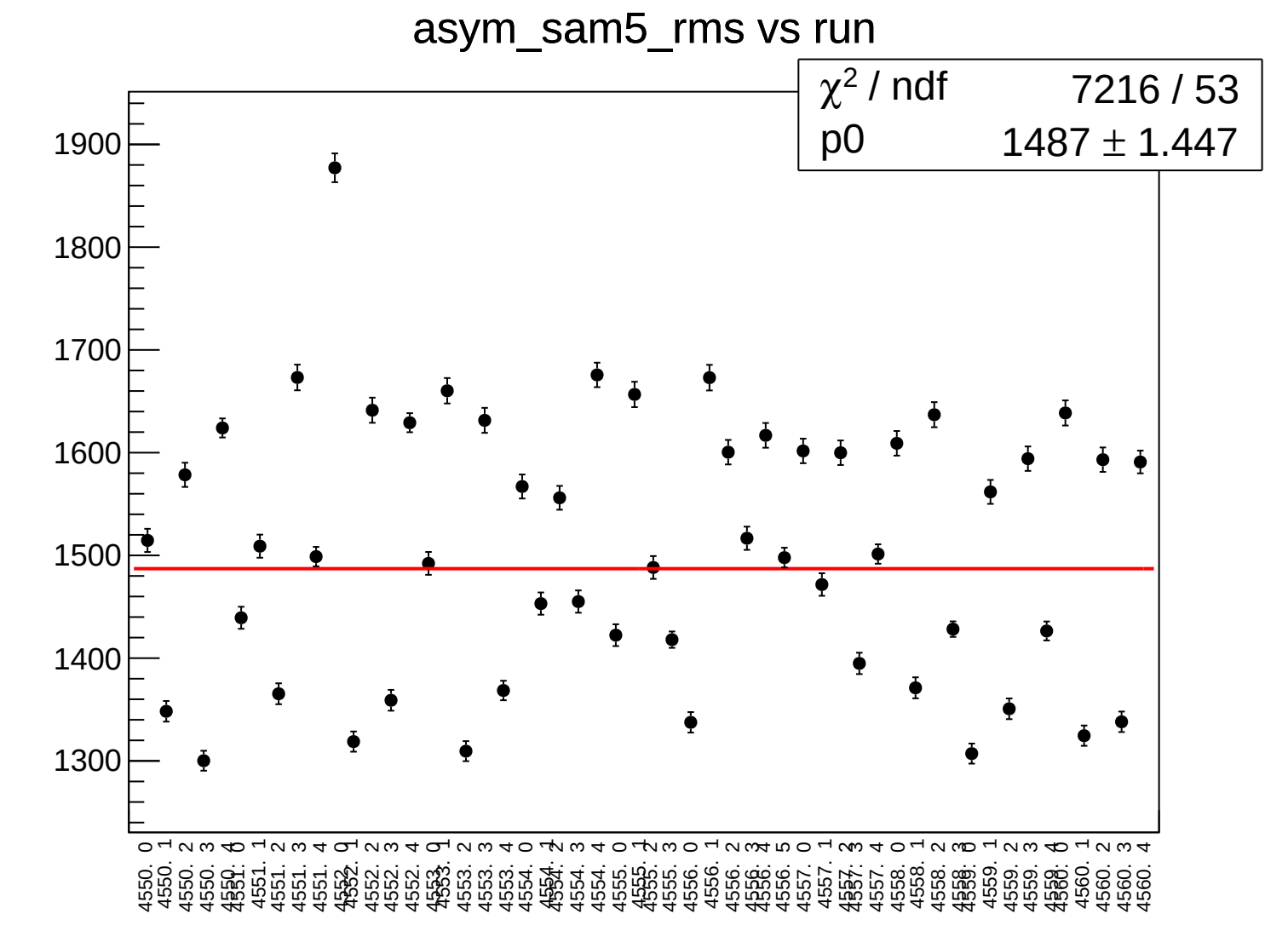

asym_sam4_mean vs run
χ^2 / ndf 65.73 / 53
p0 1640 ± 9092
×10^3
200
100
0
−100
−200
pull
Entries 54
Mean −445.7
Std Dev 496.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean −0.002924
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_rms vs run
χ² / ndf 1786 / 53
p0 6623 ± 6.429
7200
7000
6800
6600
6400
6200
6000
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_sam5_mean vs run
χ² / ndf 44.05 / 53
p0 248.6 ± 2047
pull
Entries 54
Mean −31.39
Std Dev 67.54


pull1D
Entries 54
Mean −0.019
Std Dev 0.903


asym_sam5_rms vs run
χ² / ndf 7216 / 53
p0 1487 ± 1.447
1900
1800
1700
1600
1500
1400
1300
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
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4555. 2
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4556. 0
4556. 1
4556. 2
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4556. 4
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4557. 0
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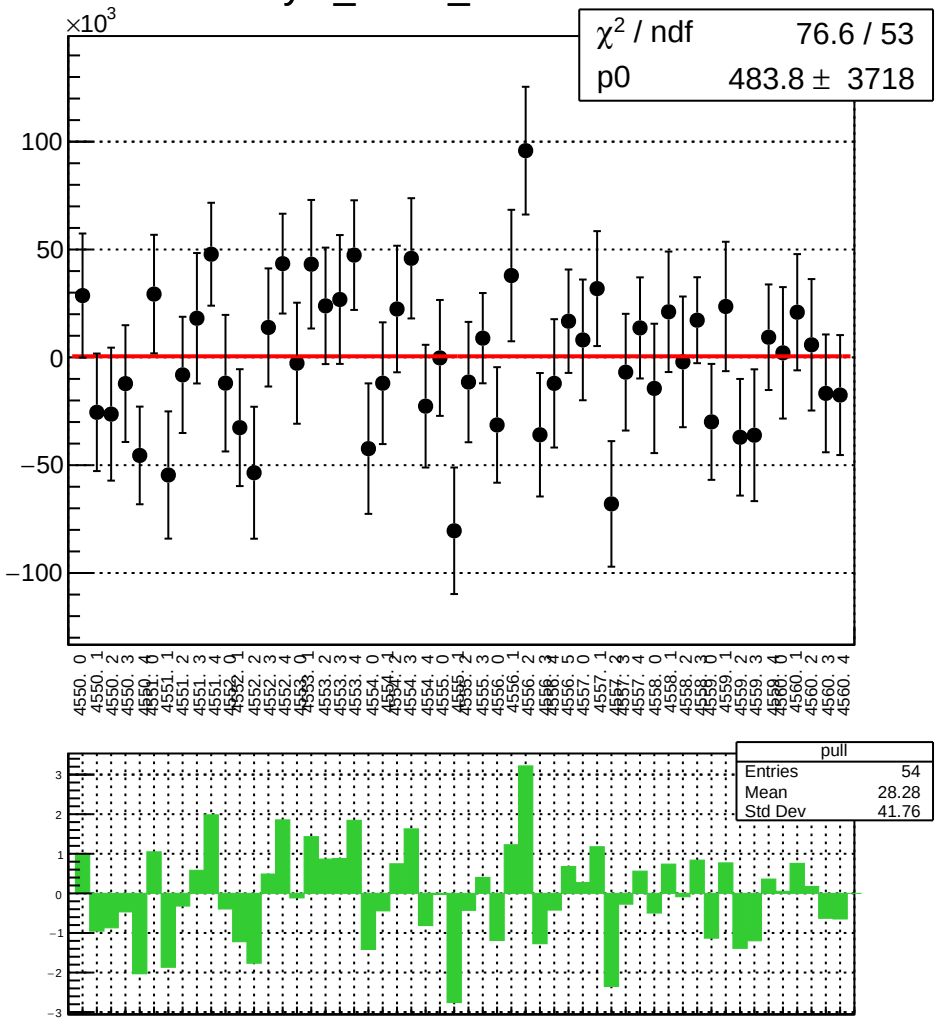
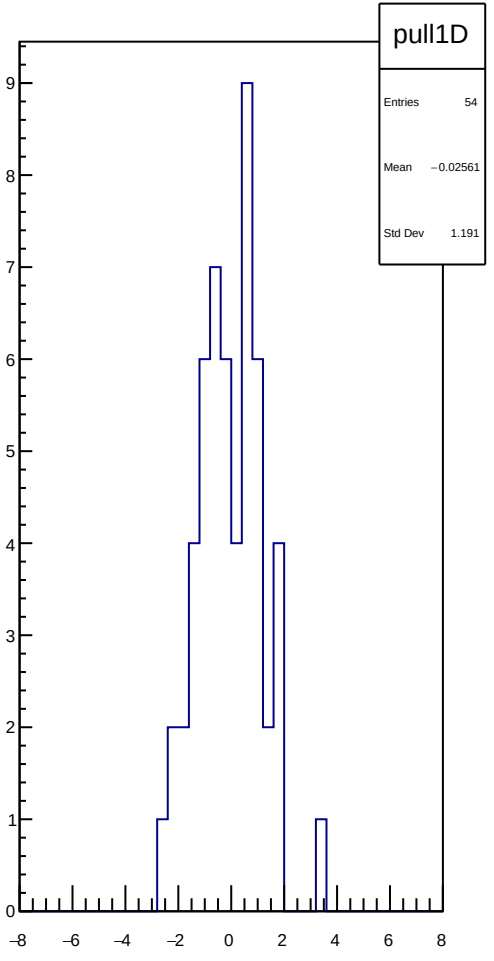
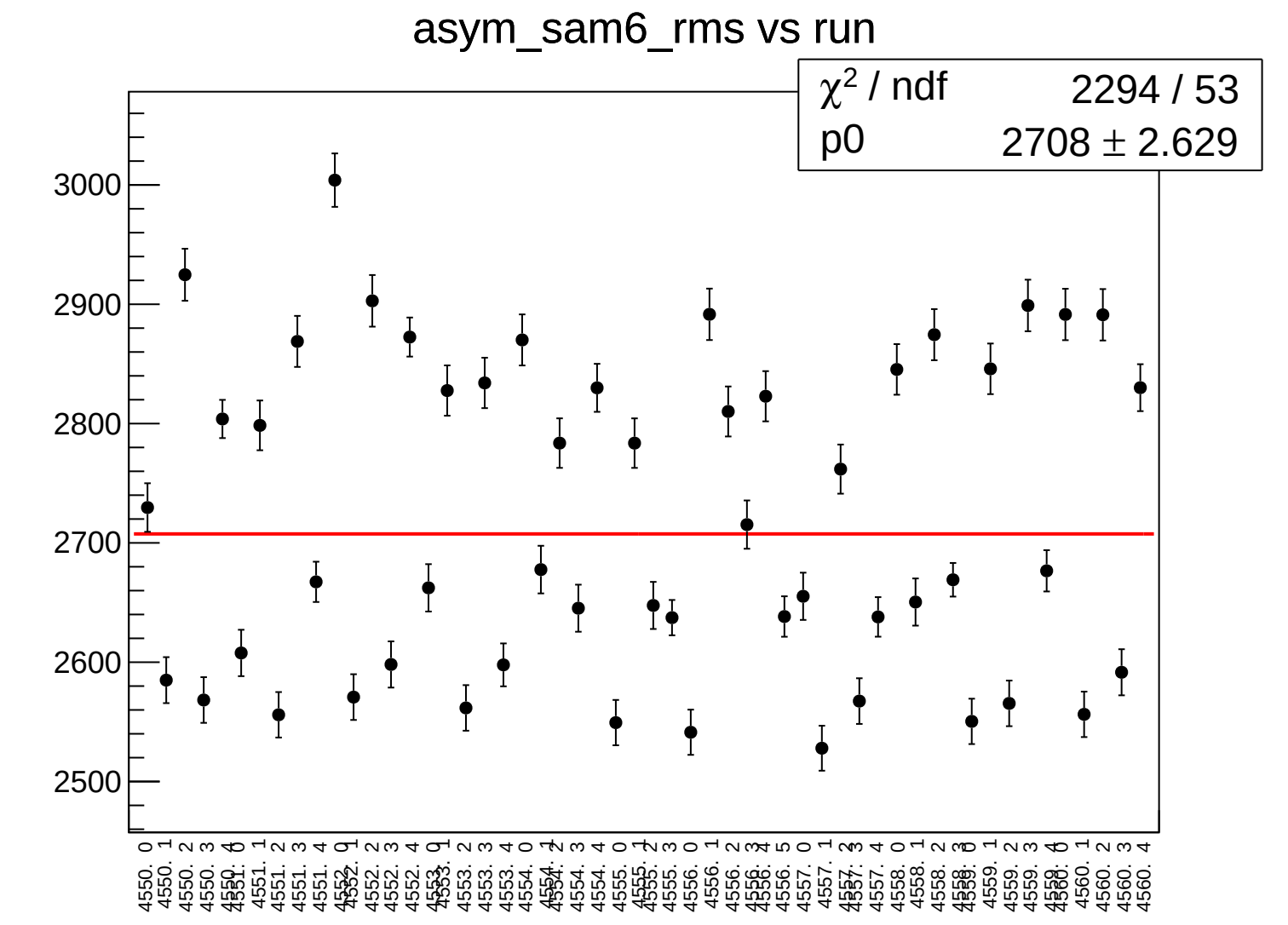
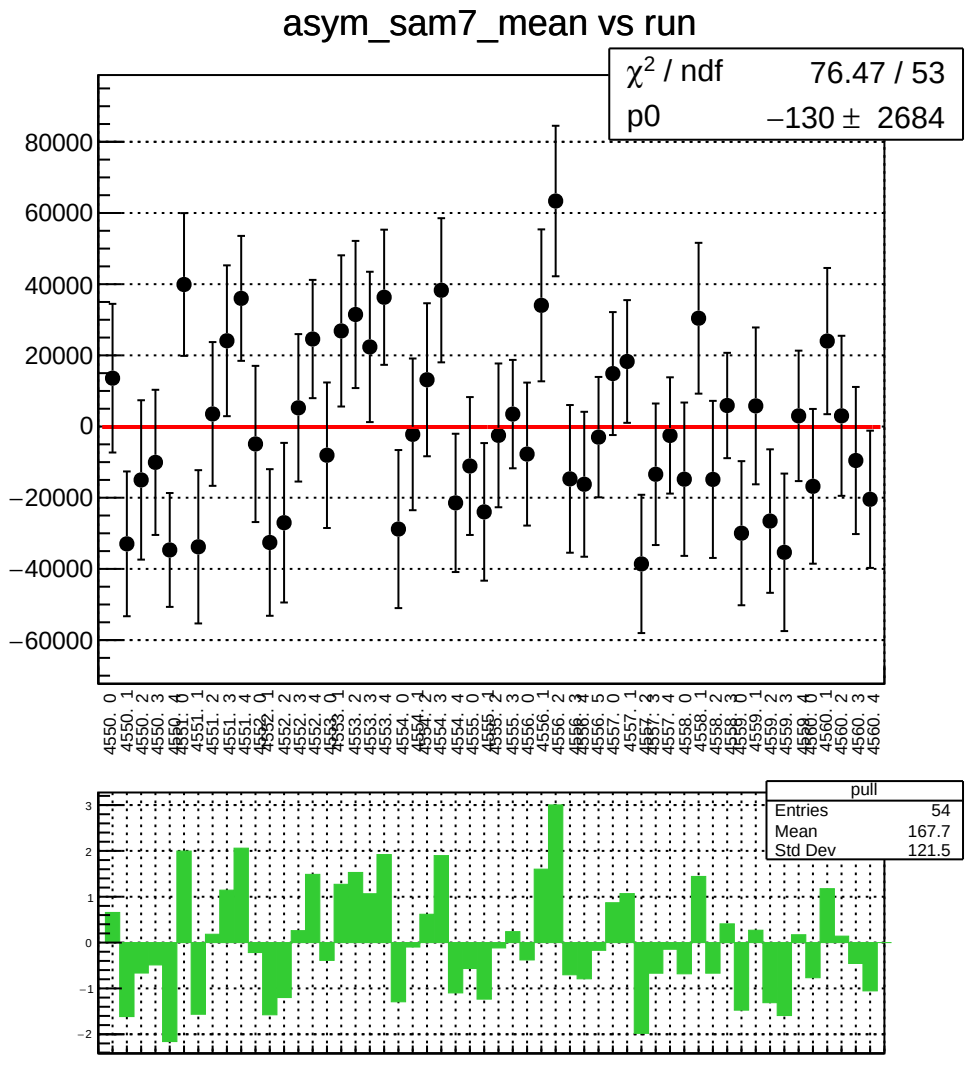
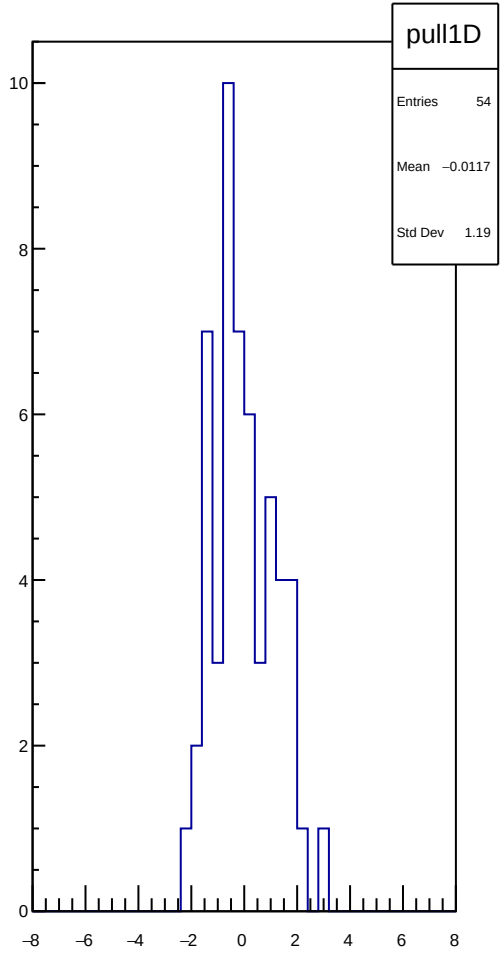
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

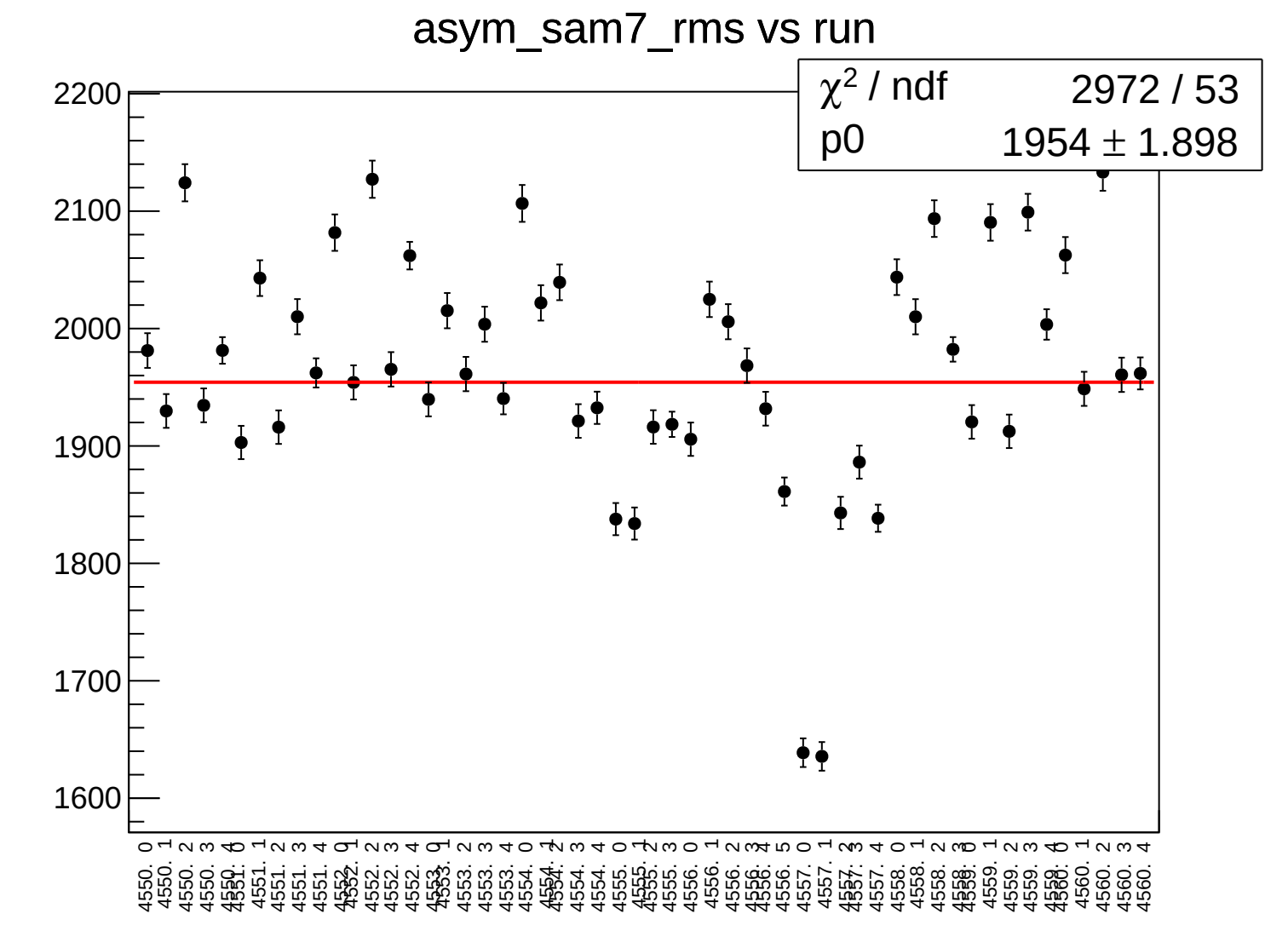

asym_sam6_mean vs run
×10^3
χ² / ndf 76.6 / 53
p0 483.8 ± 3718
100
50
0
−50
−100
pull
Entries 54
Mean 28.28
Std Dev 41.76
3
2
1
0
−1
−2
−3

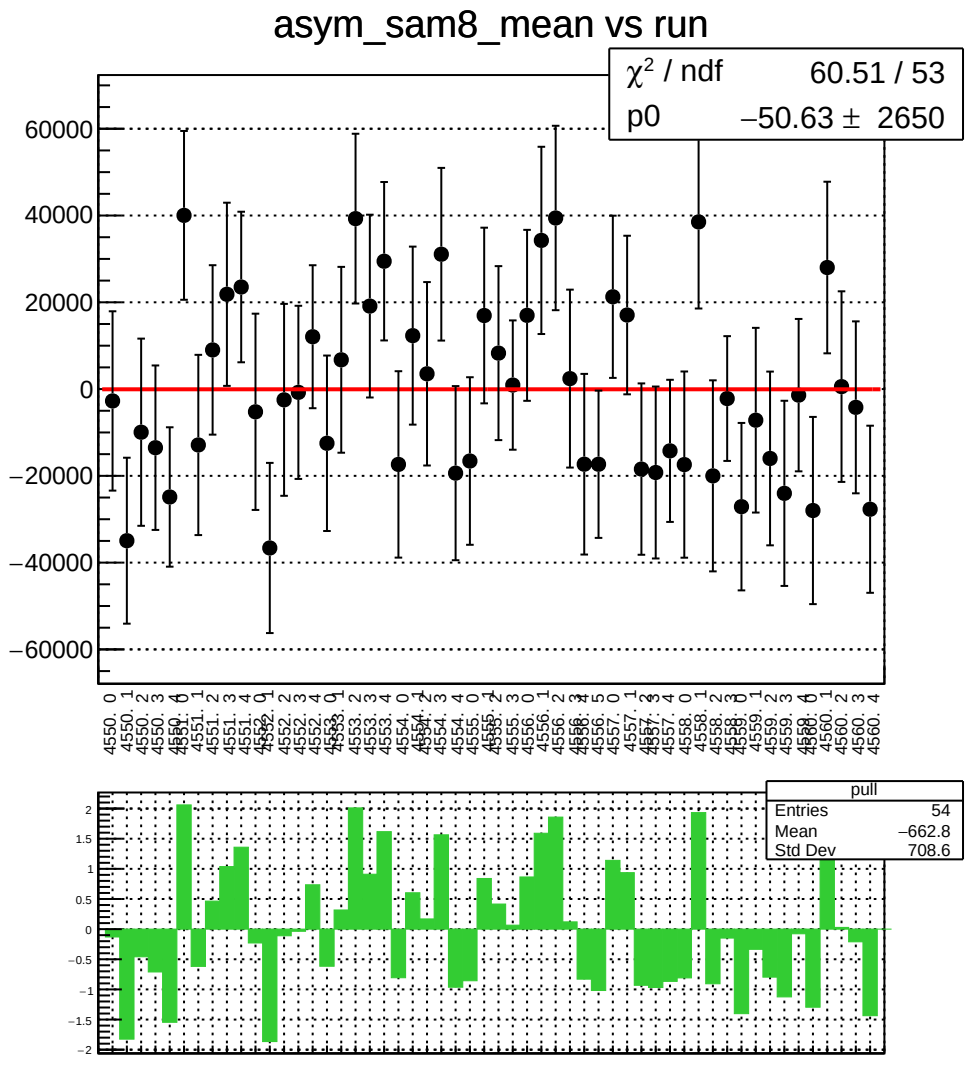

pull1D
Entries 54
Mean −0.02561
Std Dev 1.191
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

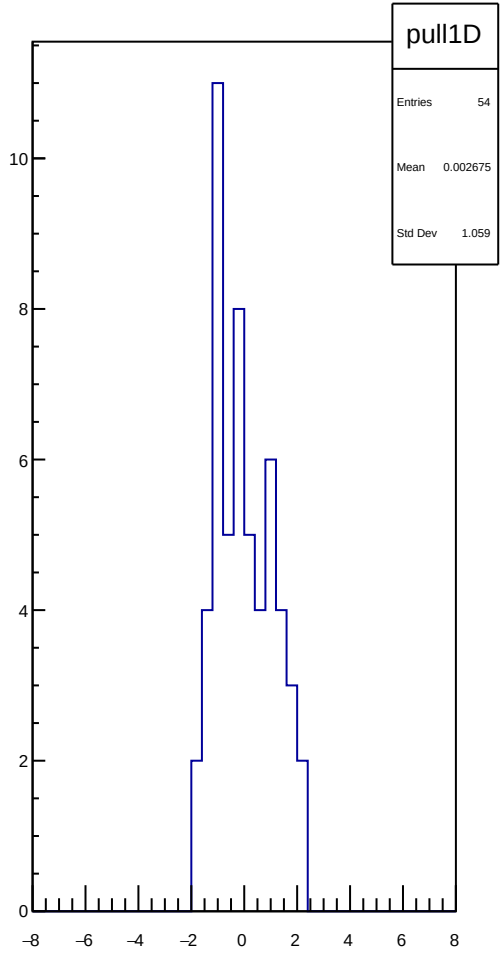

asym_sam6_rms vs run
χ² / ndf 2294 / 53
p0 2708 ± 2.629
3000
2900
2800
2700
2600
2500
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

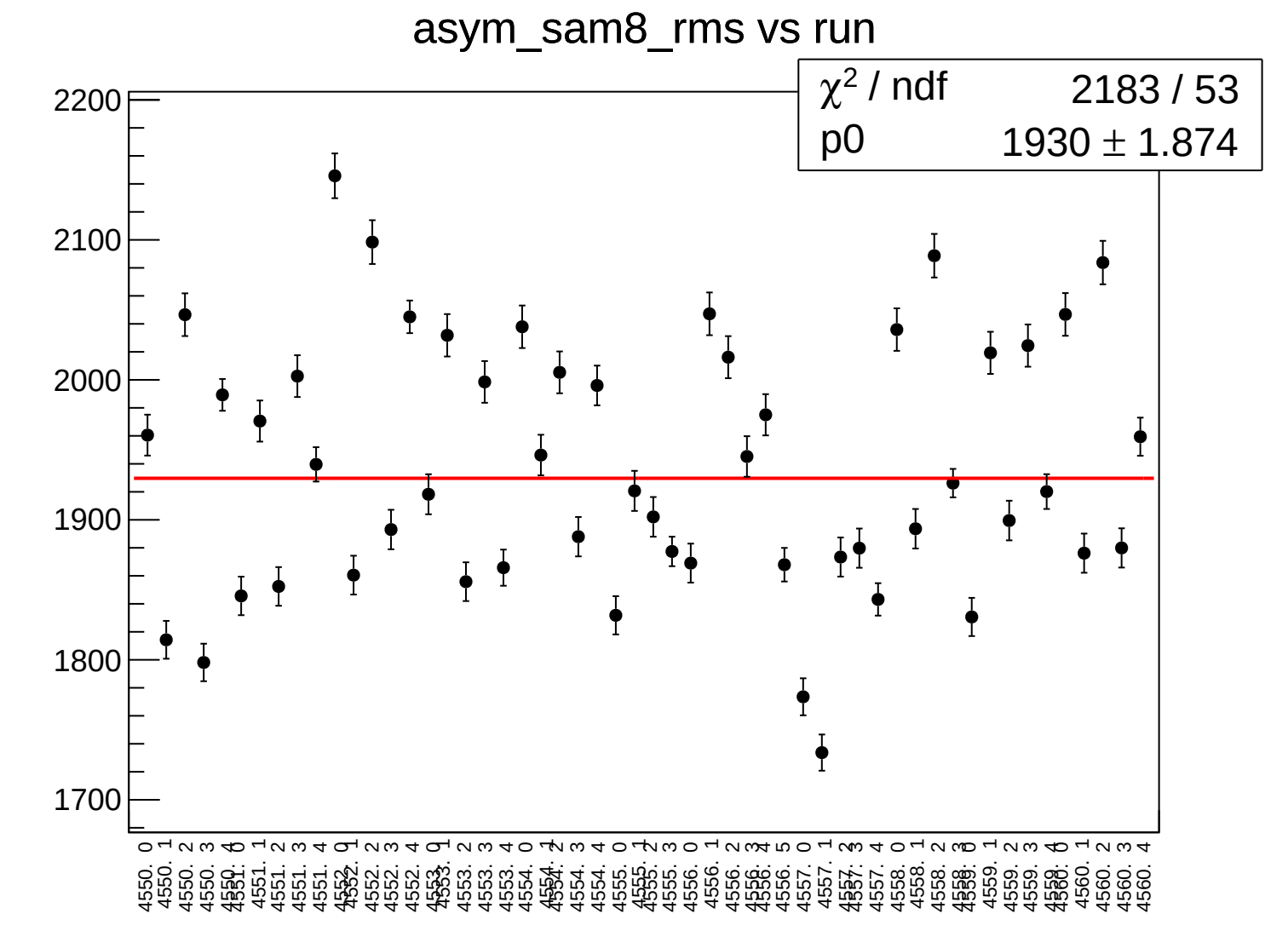

asym_sam7_mean vs run
χ² / ndf 76.47 / 53
p0 −130 ± 2684
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean 167.7
Std Dev 121.5
3
2
1
0
−1
−2

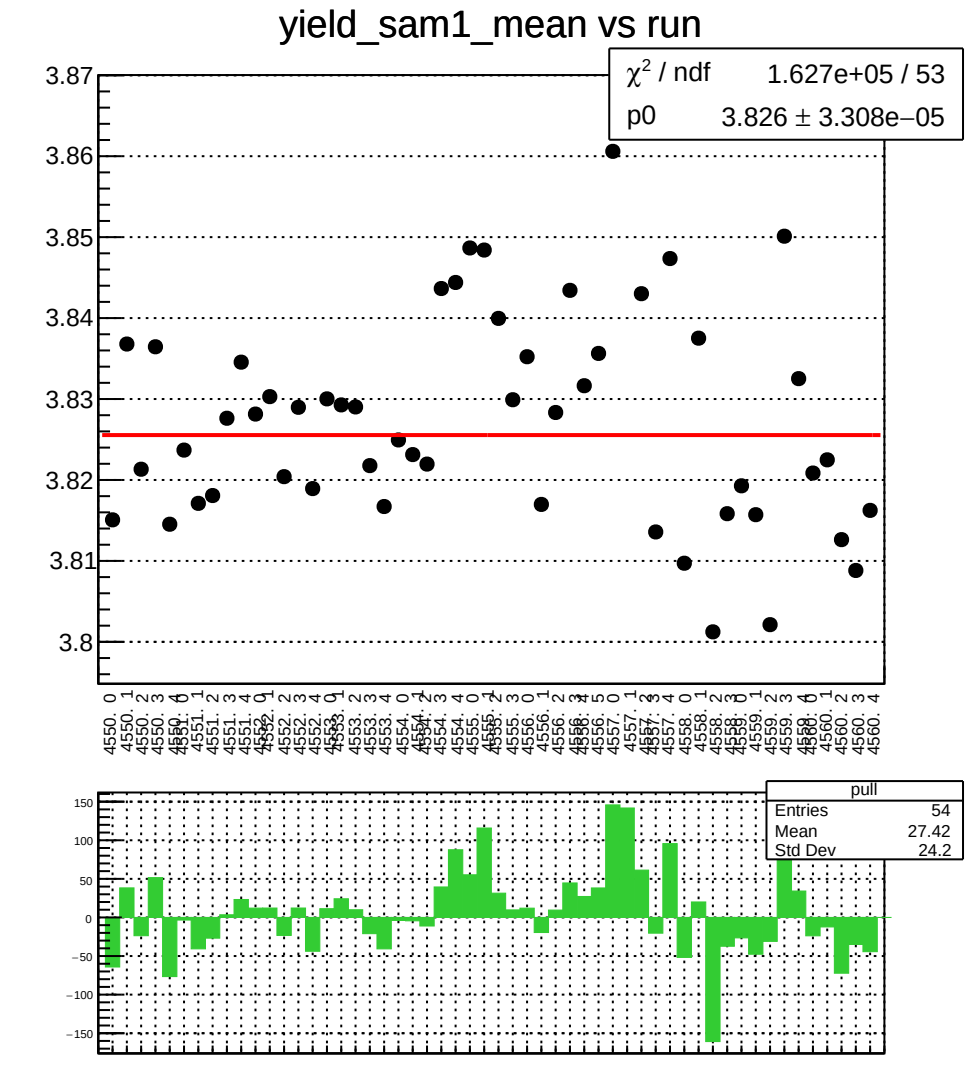

pull1D
Entries 54
Mean −0.0117
Std Dev 1.19
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

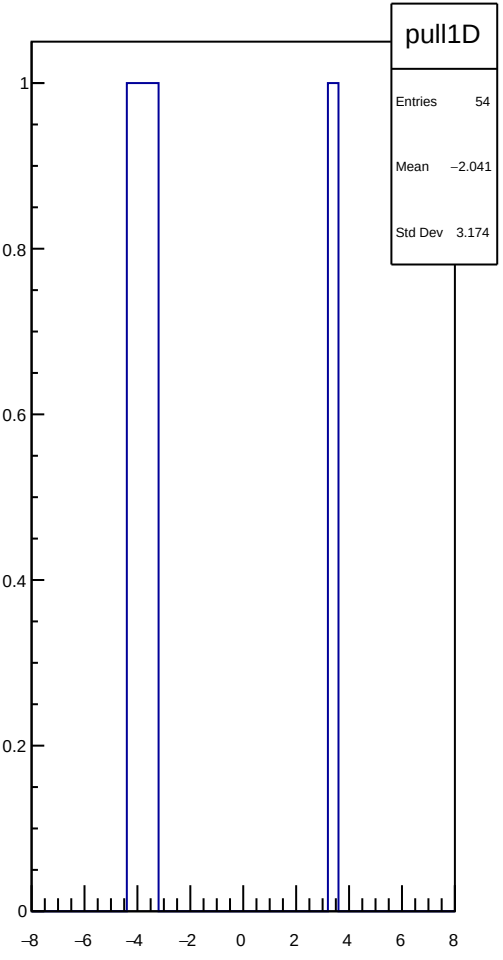

asym_sam7_rms vs run
χ² / ndf 2972 / 53
p0 1954 ± 1.898
2200
2100
2000
1900
1800
1700
1600

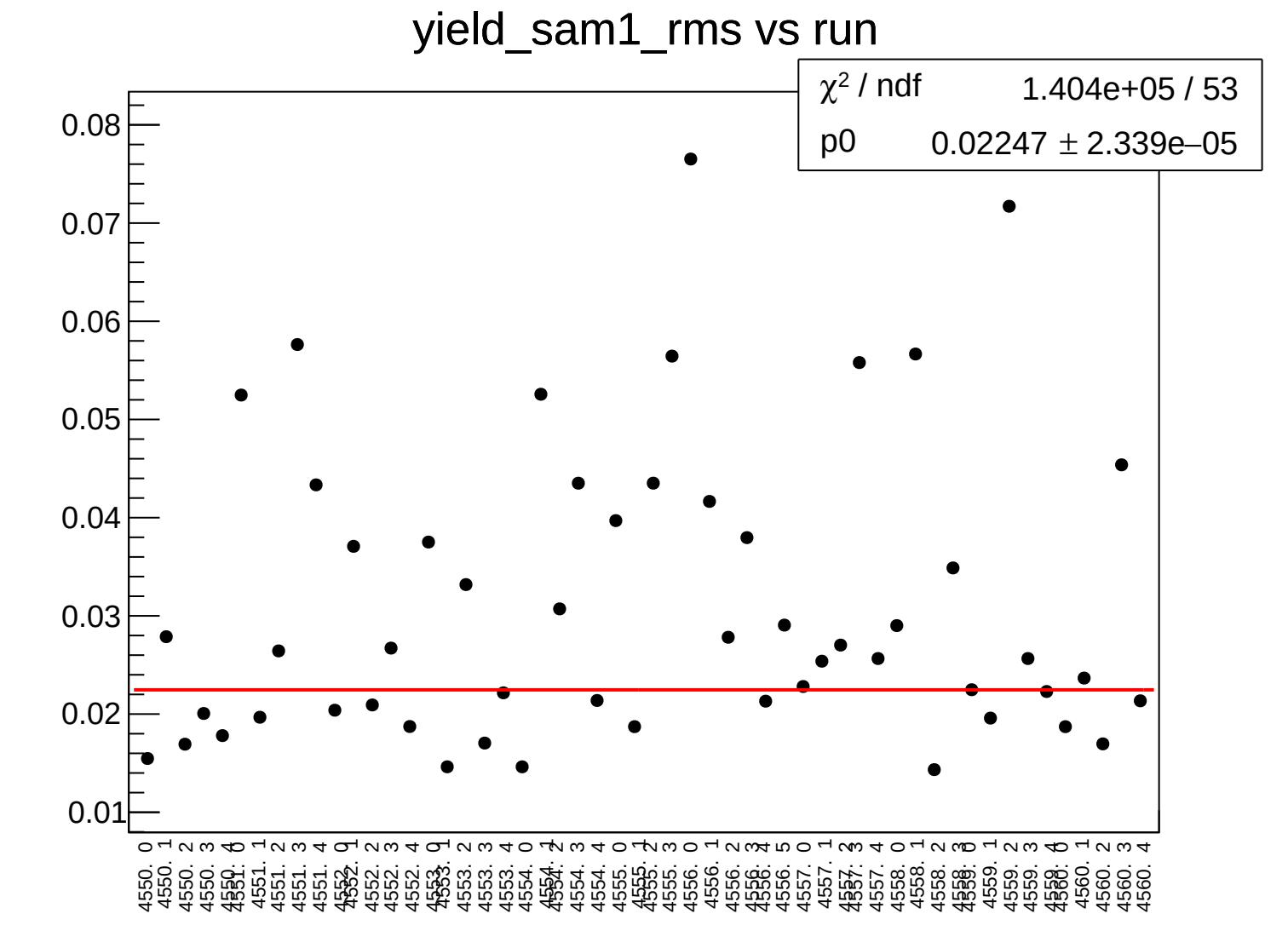

asym_sam8_mean vs run
χ² / ndf 60.51 / 53
p0 −50.63 ± 2650
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −662.8
Std Dev 708.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

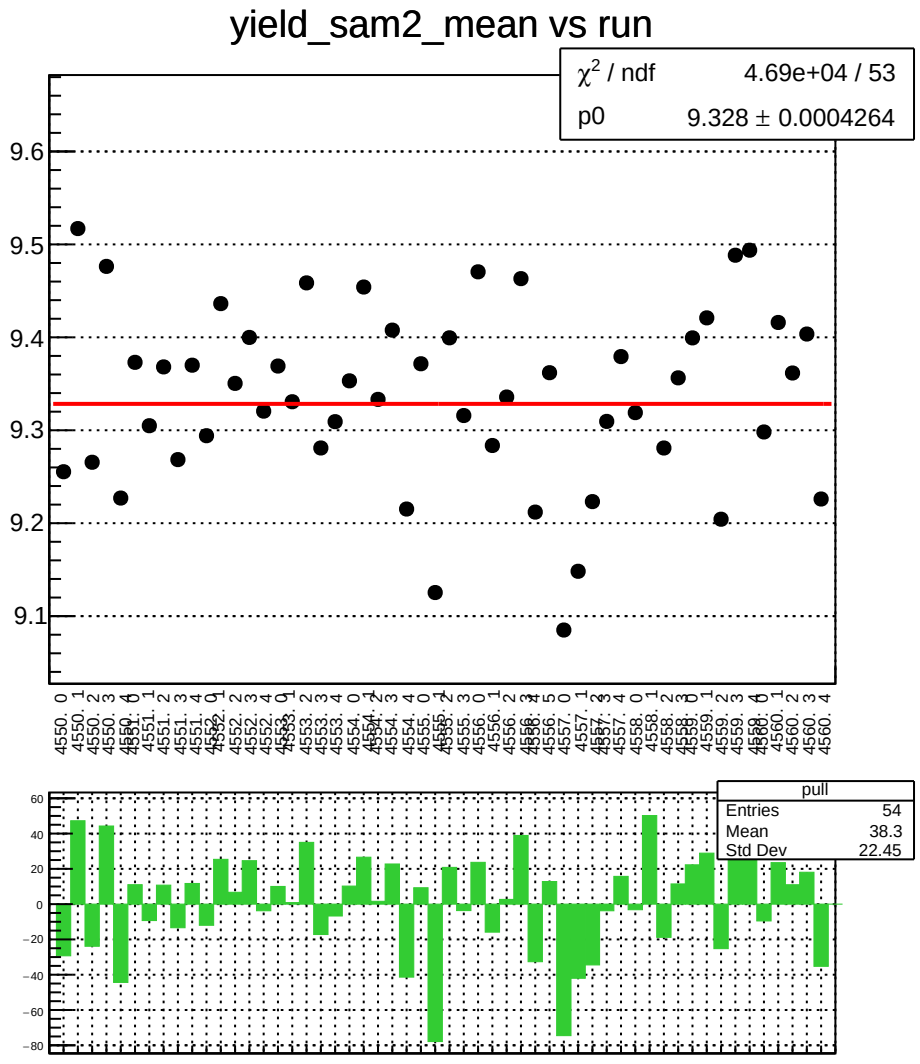

pull1D
Entries 54
Mean 0.002675
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

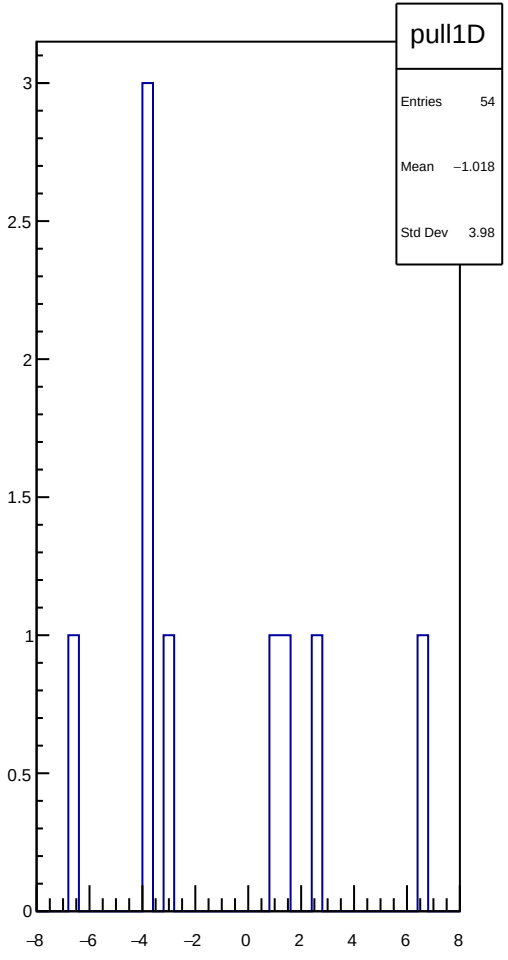

asym_sam8_rms vs run
χ² / ndf 2183 / 53
p0 1930 ± 1.874
2200
2100
2000
1900
1800
1700

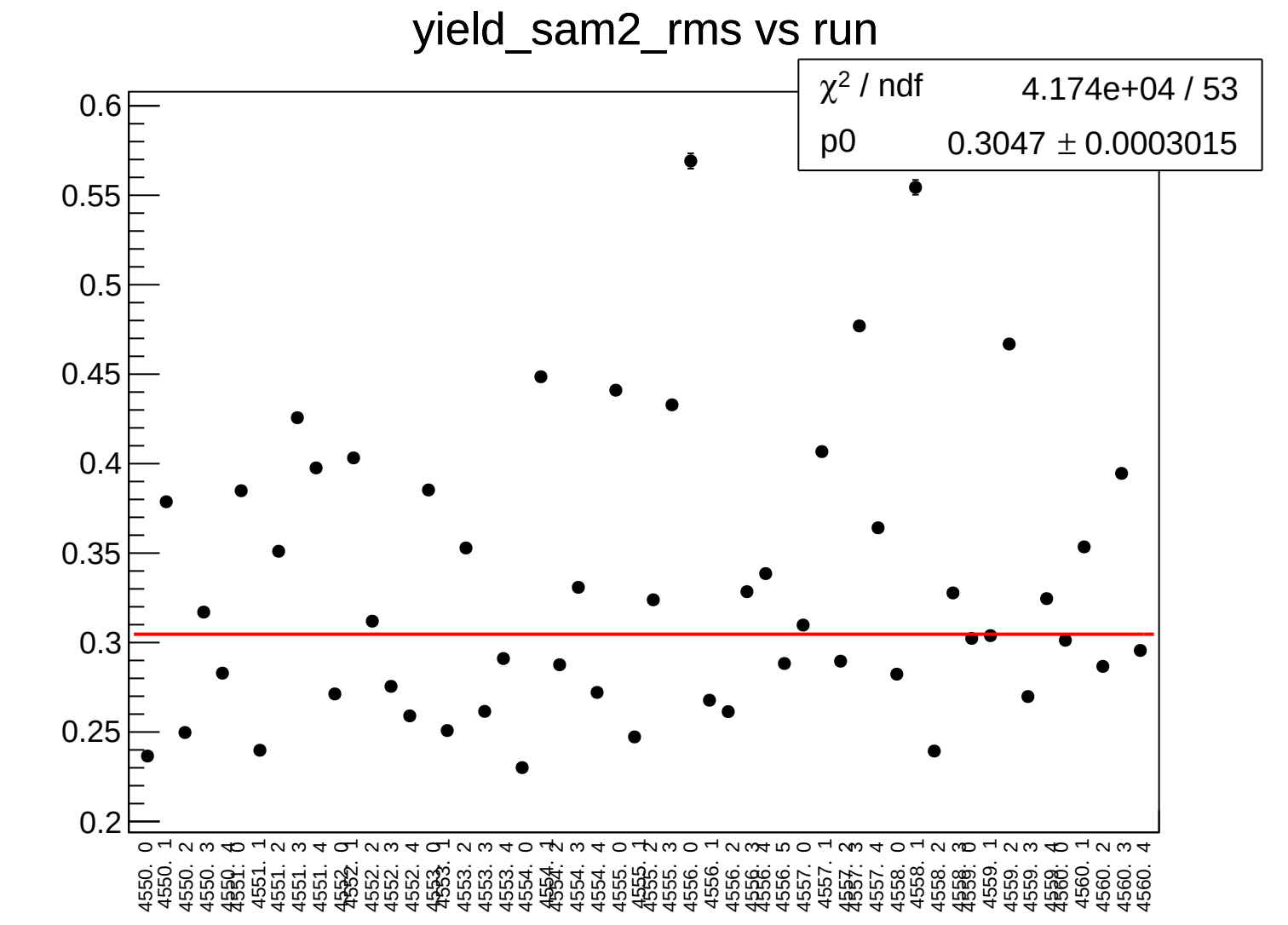

yield_sam1_mean vs run
χ² / ndf 1.627e+05 / 53
p0 3.826 ± 3.308e−05
pull
Entries 54
Mean 27.42
Std Dev 24.2

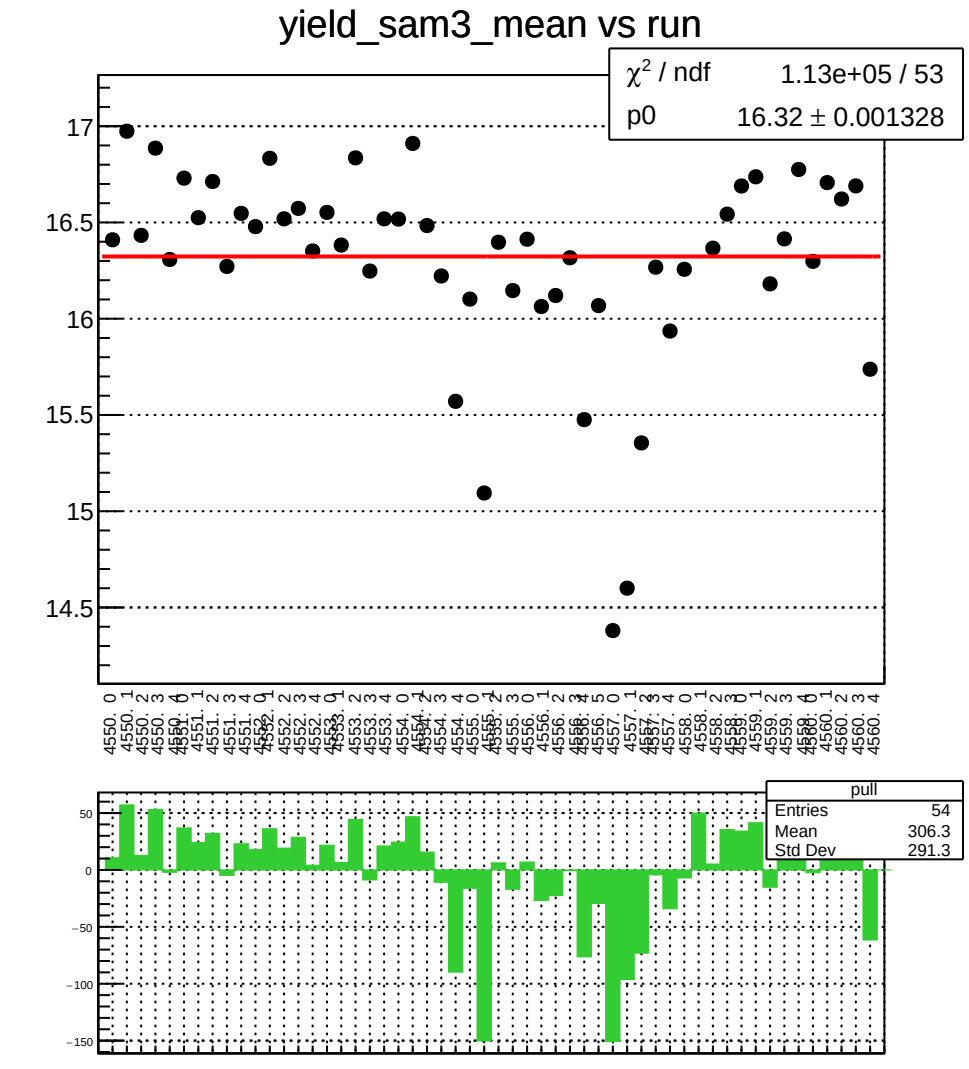

pull1D
Entries 54
Mean −2.041
Std Dev 3.174

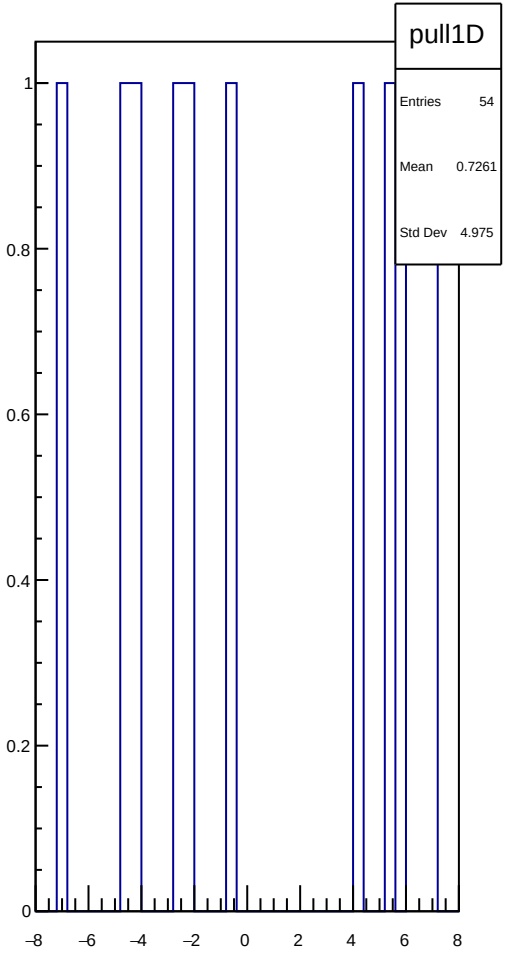

yield_sam1_rms vs run
χ² / ndf 1.404e+05 / 53
p0 0.02247 ± 2.339e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01

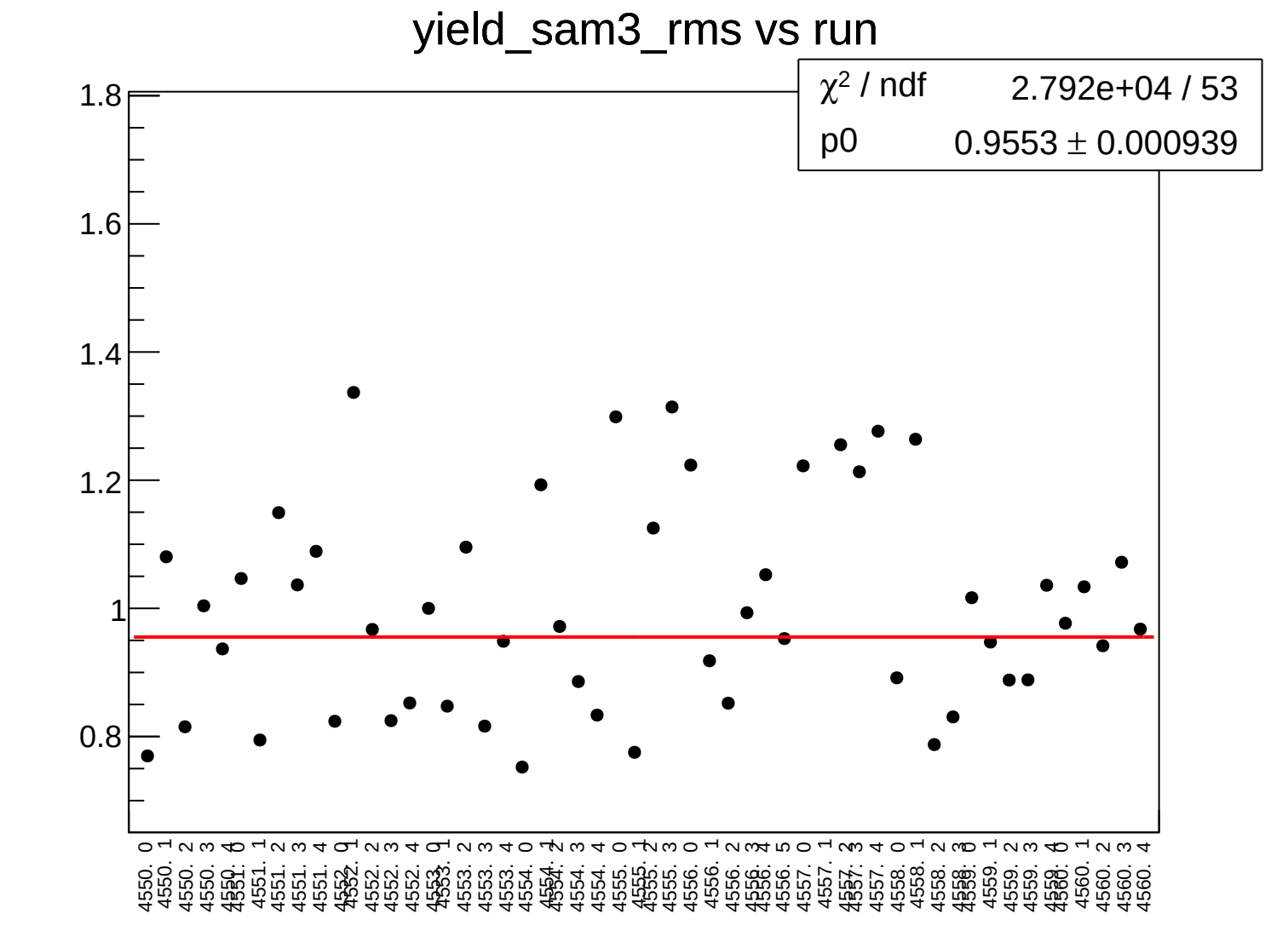

yield_sam2_mean vs run
χ² / ndf 4.69e+04 / 53
p0 9.328 ± 0.0004264
9.6
9.5
9.4
9.3
9.2
9.1
pull
Entries 54
Mean 38.3
Std Dev 22.45
60
40
20
0
−20
−40
−60
−80

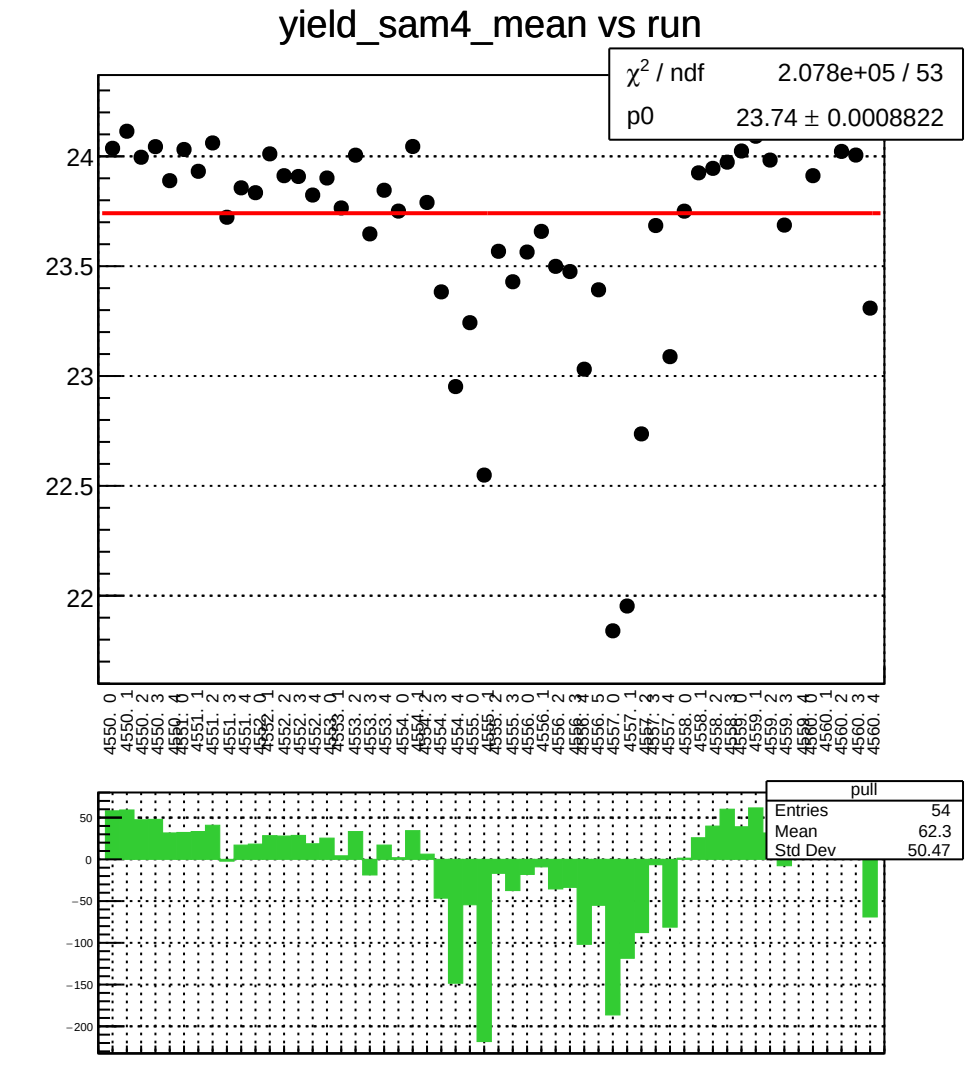

pull1D
Entries 54
Mean −1.018
Std Dev 3.98
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

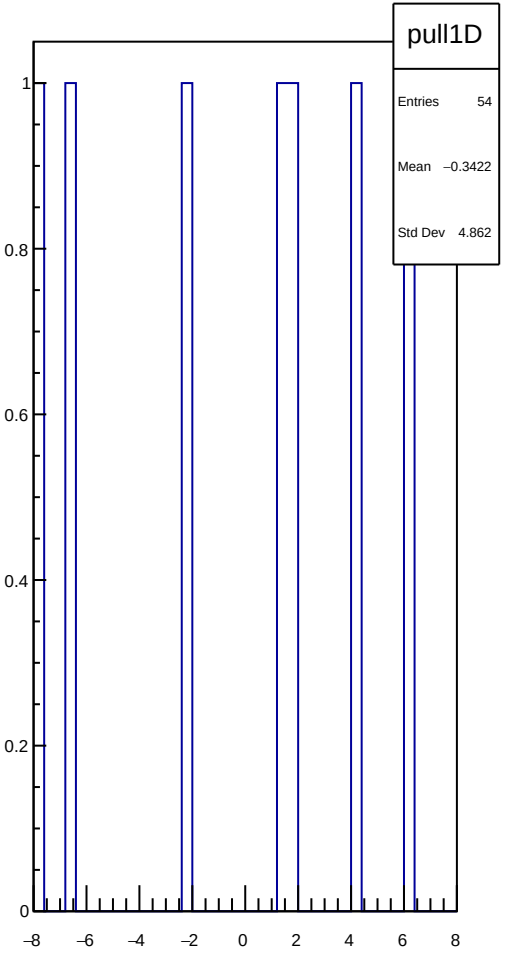

yield_sam2_rms vs run
χ² / ndf 4.174e+04 / 53
p0 0.3047 ± 0.0003015
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2

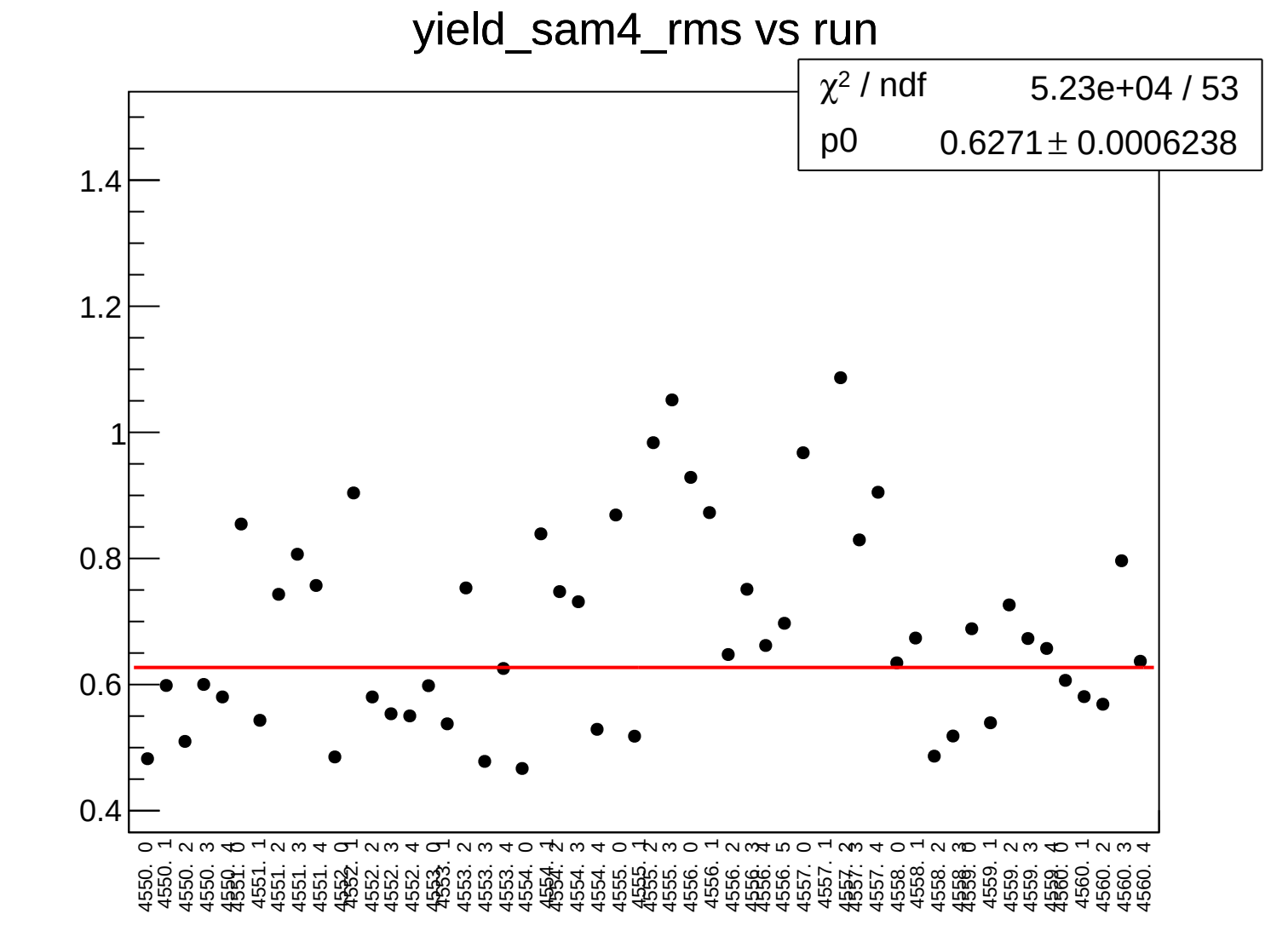

yield_sam3_mean vs run
χ² / ndf 1.13e+05 / 53
p0 16.32 ± 0.001328
17
16.5
16
15.5
15
14.5
pull
Entries 54
Mean 306.3
Std Dev 291.3
50
0
−50
−100
−150

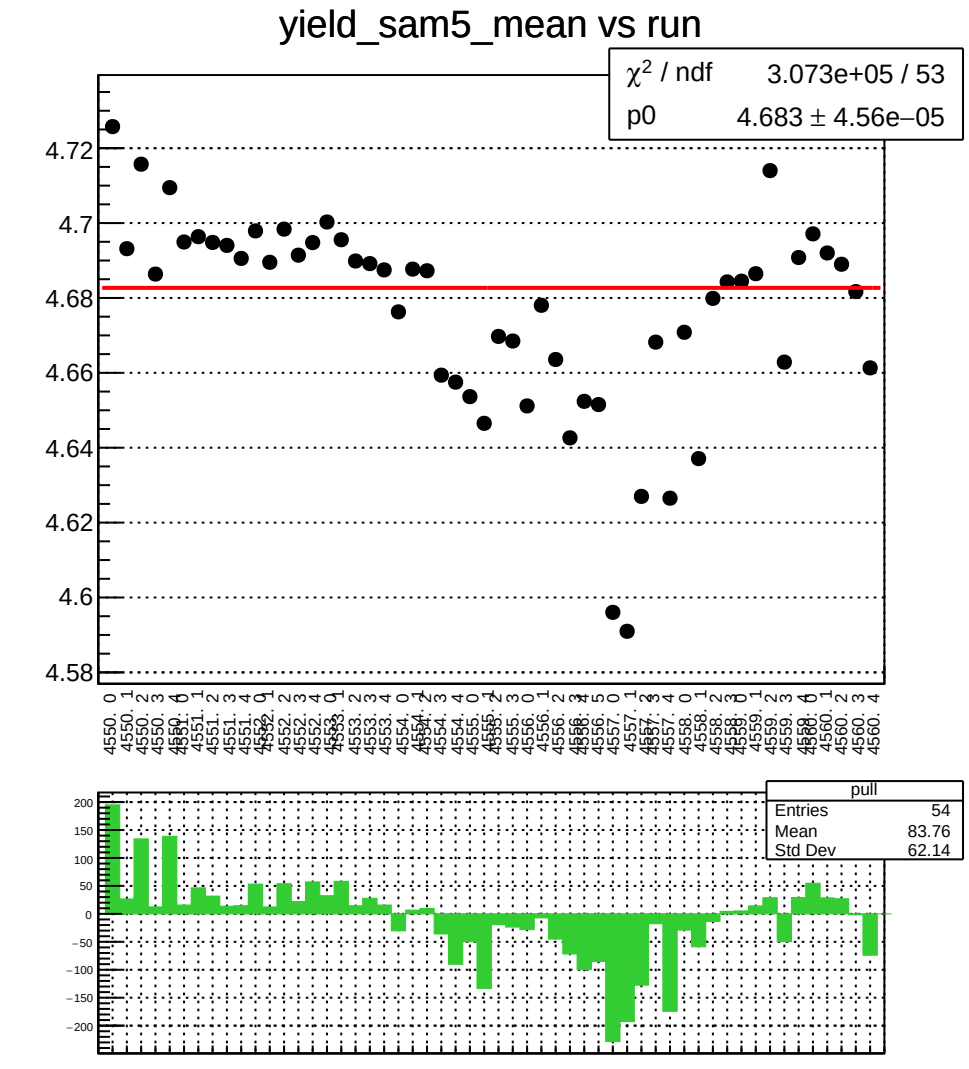

pull1D
Entries 54
Mean 0.7261
Std Dev 4.975
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

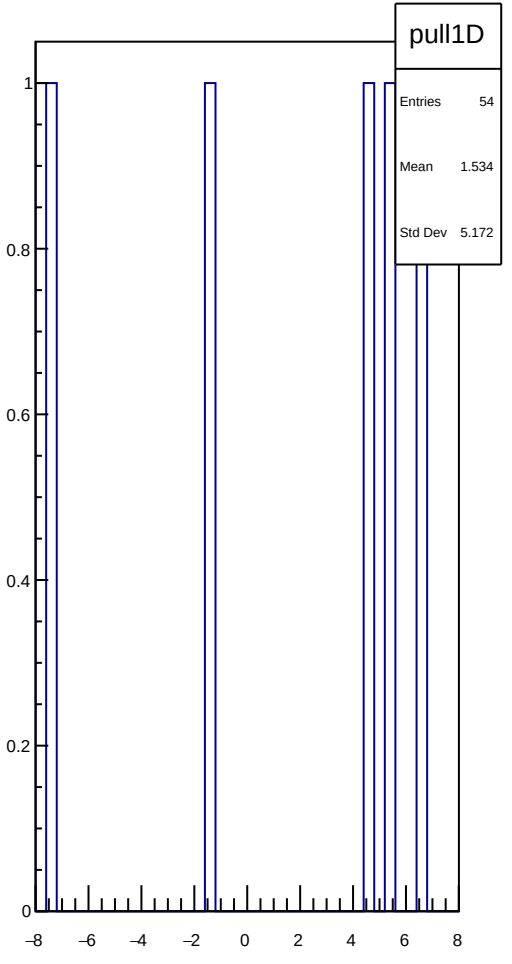

yield_sam3_rms vs run
χ² / ndf 2.792e+04 / 53
p0 0.9553 ± 0.000939
1.8
1.6
1.4
1.2
1
0.8
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

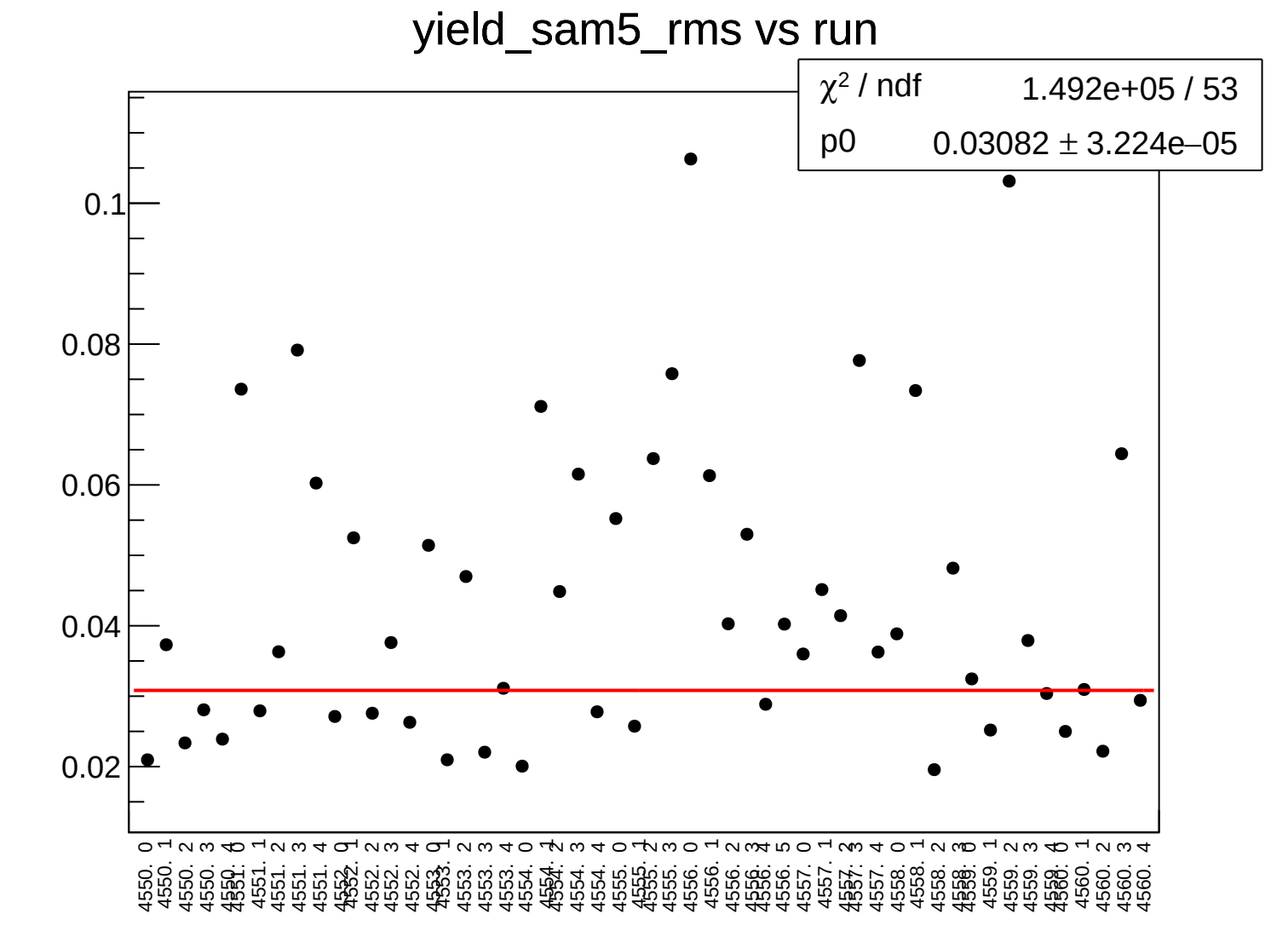

yield_sam4_mean vs run
χ² / ndf 2.078e+05 / 53
p0 23.74 ± 0.0008822
24
23.5
23
22.5
22
pull
Entries 54
Mean 62.3
Std Dev 50.47
50
0
−50
−100
−150
−200

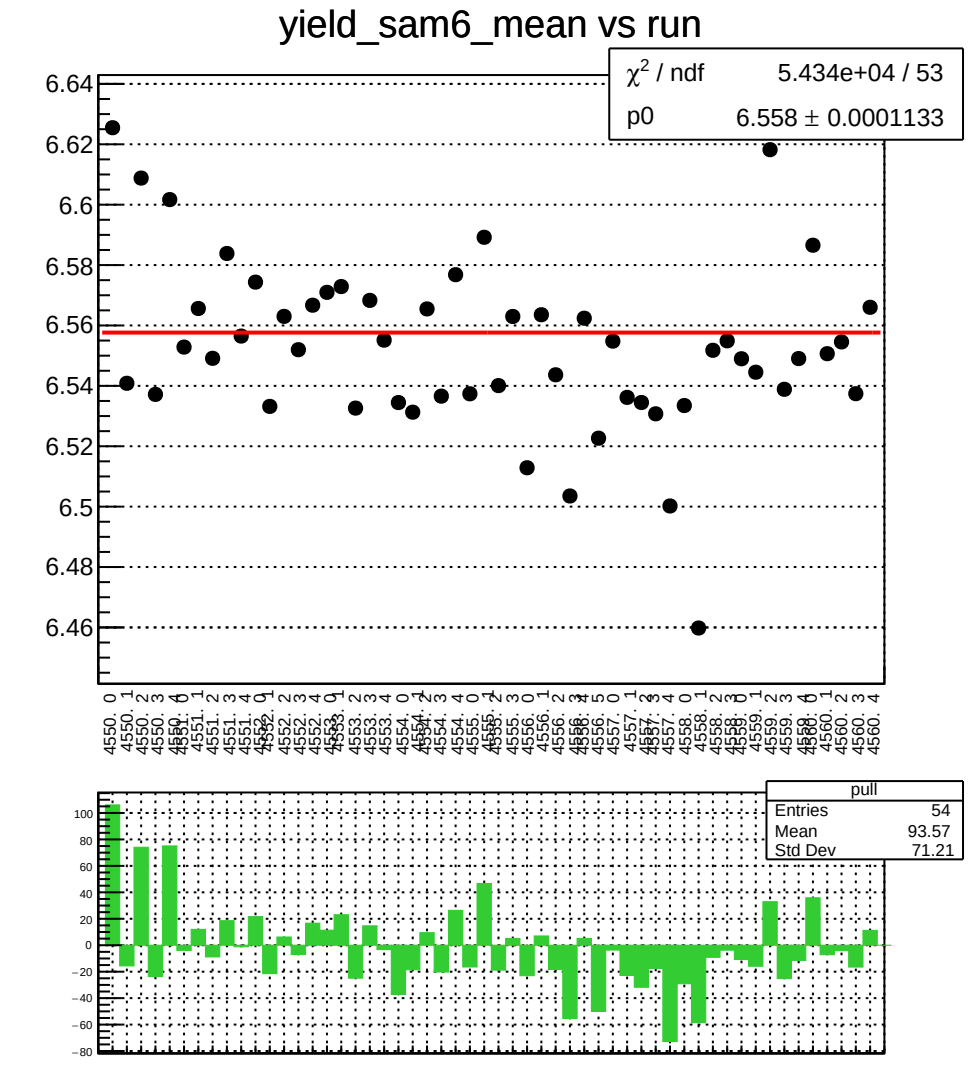

pull1D
Entries 54
Mean −0.3422
Std Dev 4.862
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

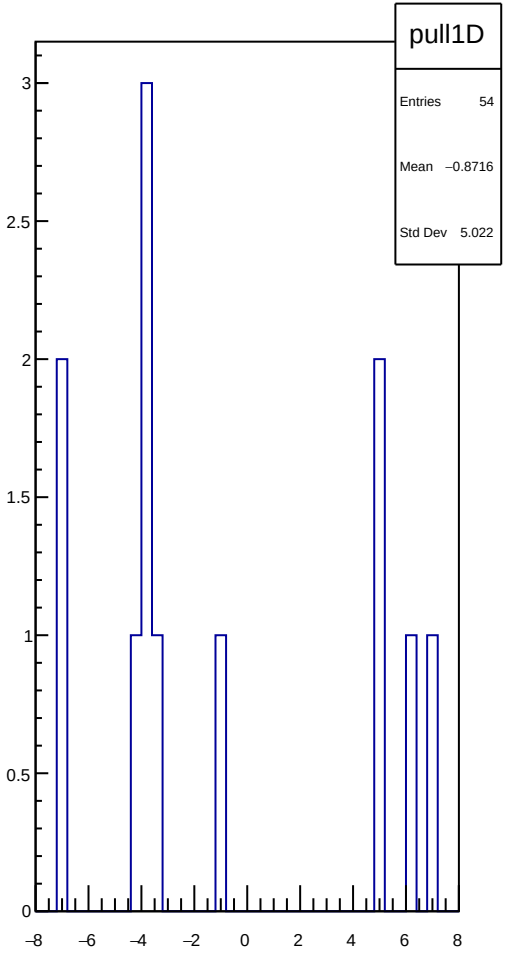

yield_sam4_rms vs run
χ^2 / ndf 5.23e+04 / 53
p0 0.6271 ± 0.0006238
1.4
1.2
1
0.8
0.6
0.4

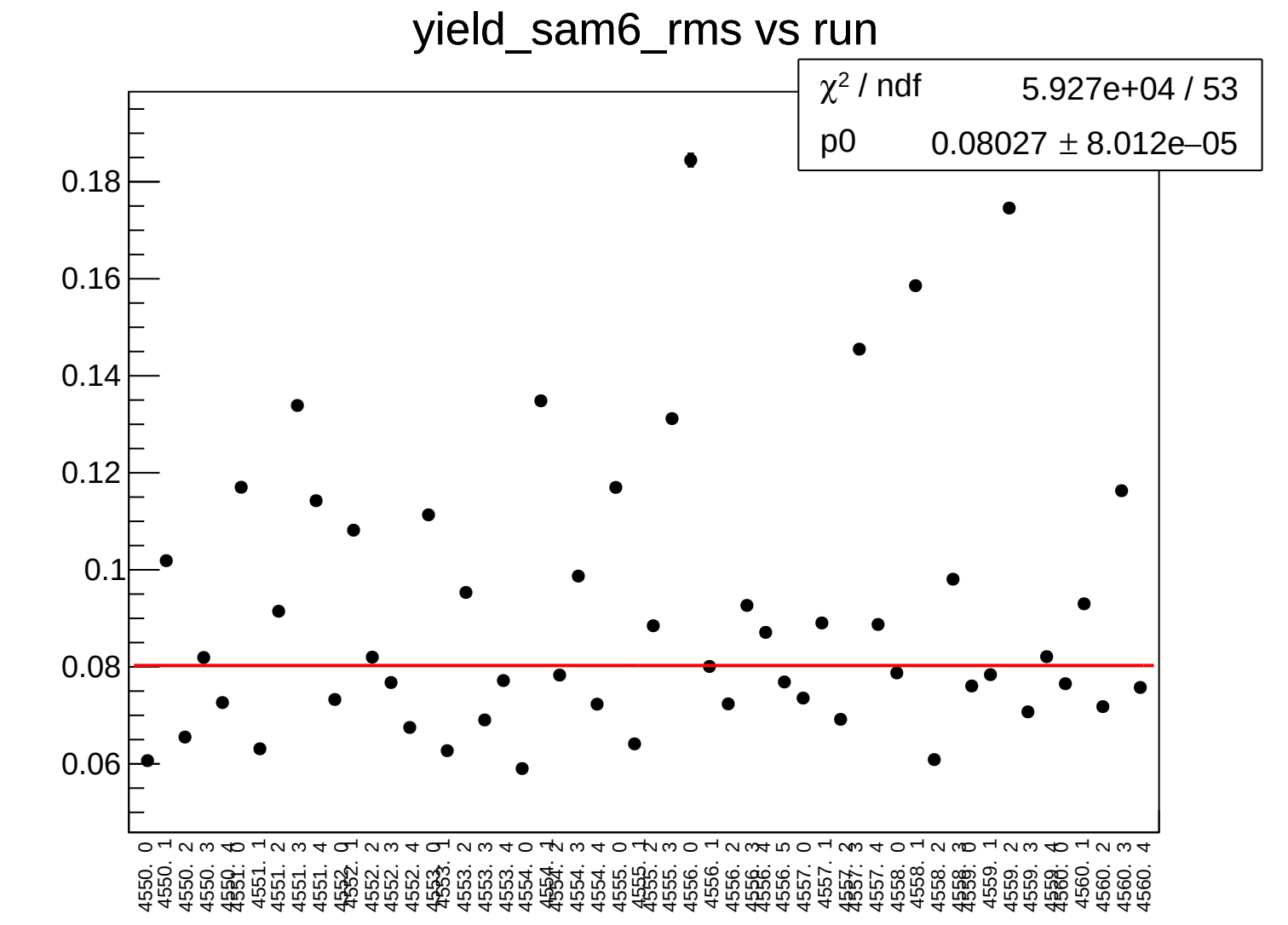

yield_sam5_mean vs run
χ² / ndf 3.073e+05 / 53
p0 4.683 ± 4.56e−05
4.72
4.7
4.68
4.66
4.64
4.62
4.6
4.58
pull
Entries 54
Mean 83.76
Std Dev 62.14
200
150
100
50
0
−50
−100
−150
−200

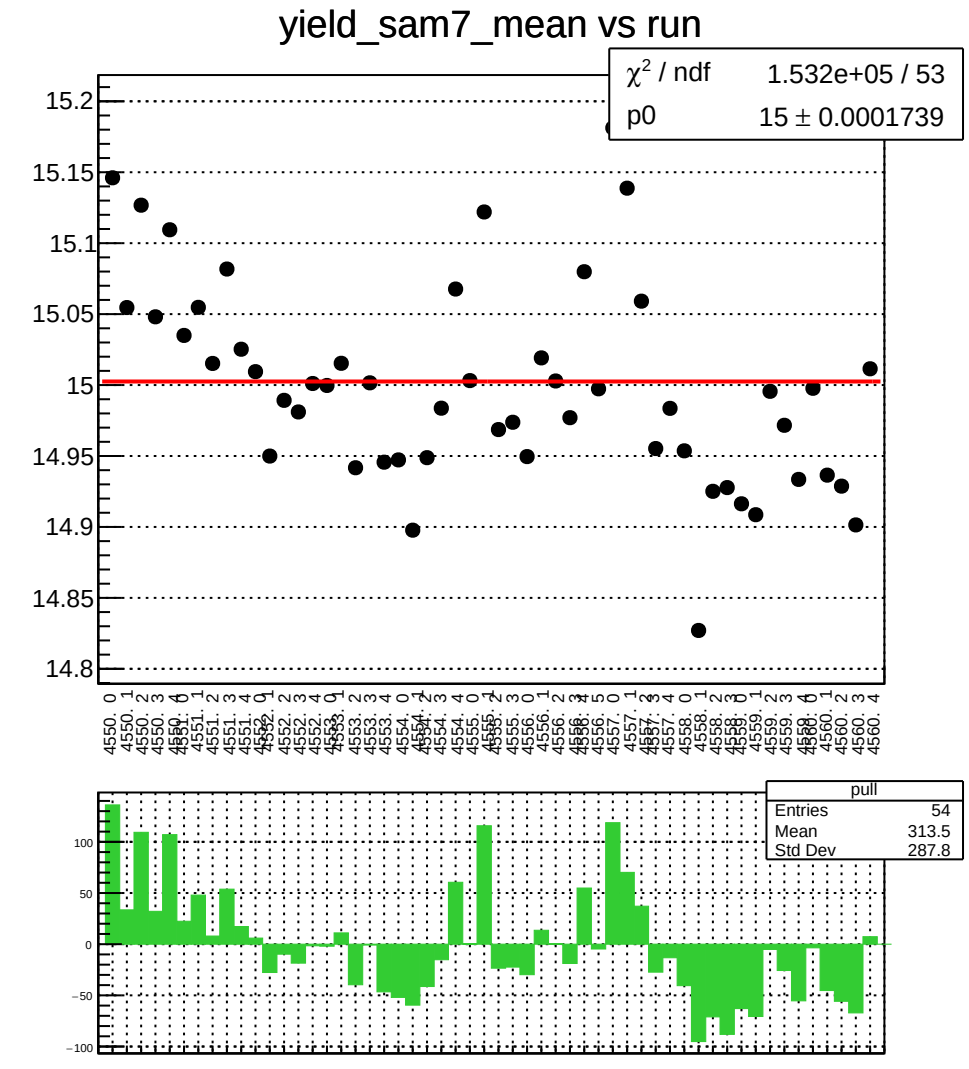

pull1D
Entries 54
Mean 1.534
Std Dev 5.172
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

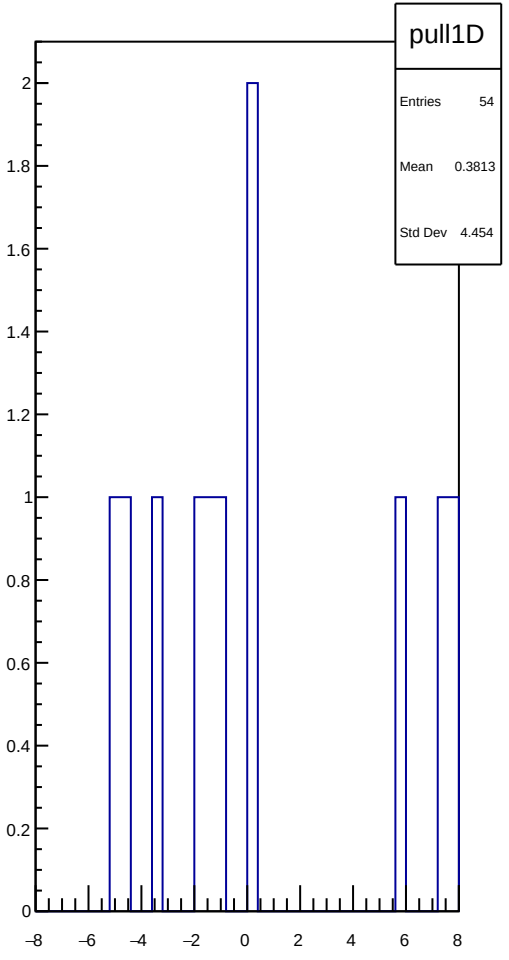

yield_sam5_rms vs run
χ² / ndf 1.492e+05 / 53
p0 0.03082 ± 3.224e−05
0.1
0.08
0.06
0.04
0.02
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

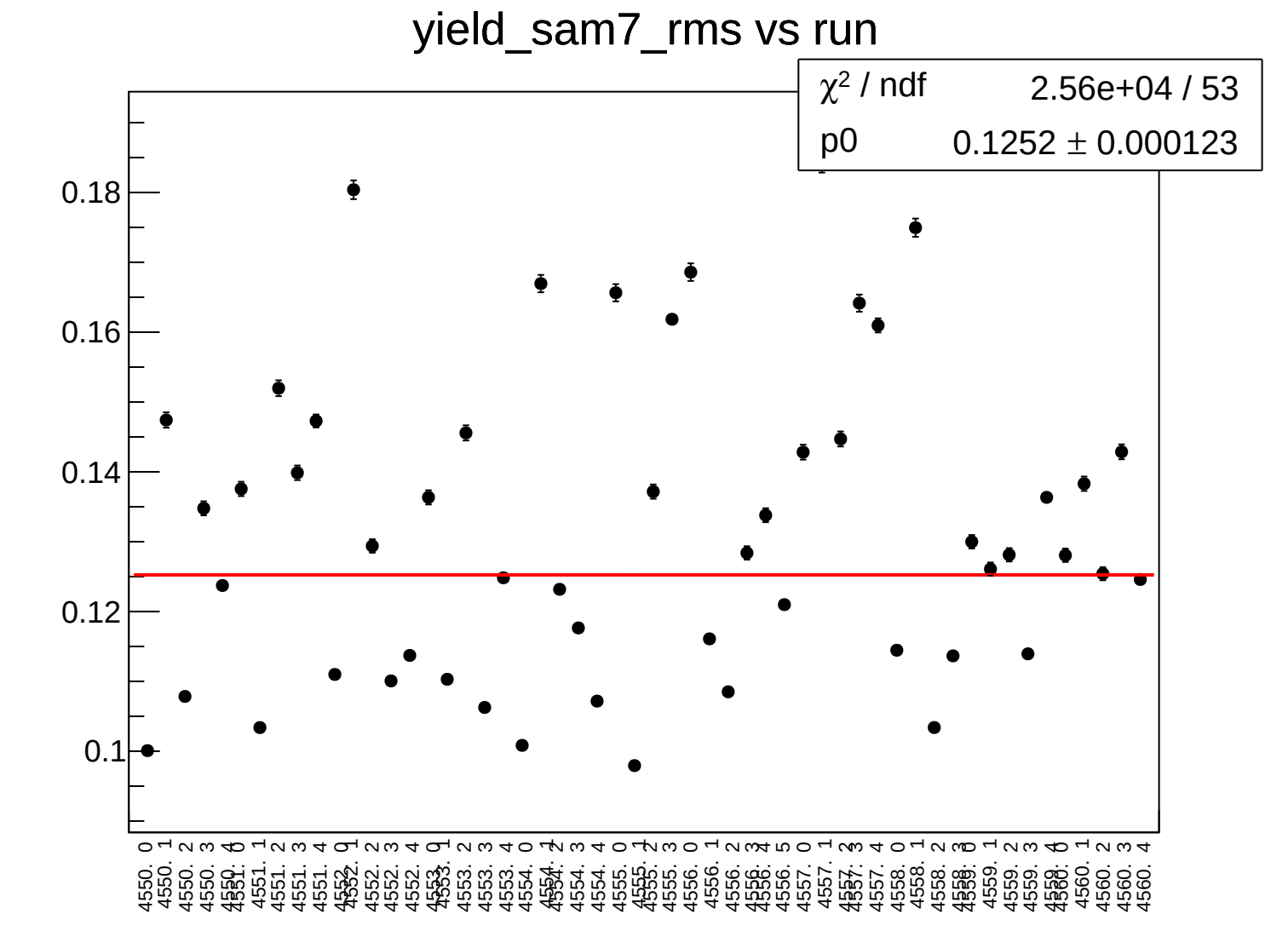

yield_sam6_mean vs run
χ² / ndf 5.434e+04 / 53
p0 6.558 ± 0.0001133
pull
Entries 54
Mean 93.57
Std Dev 71.21

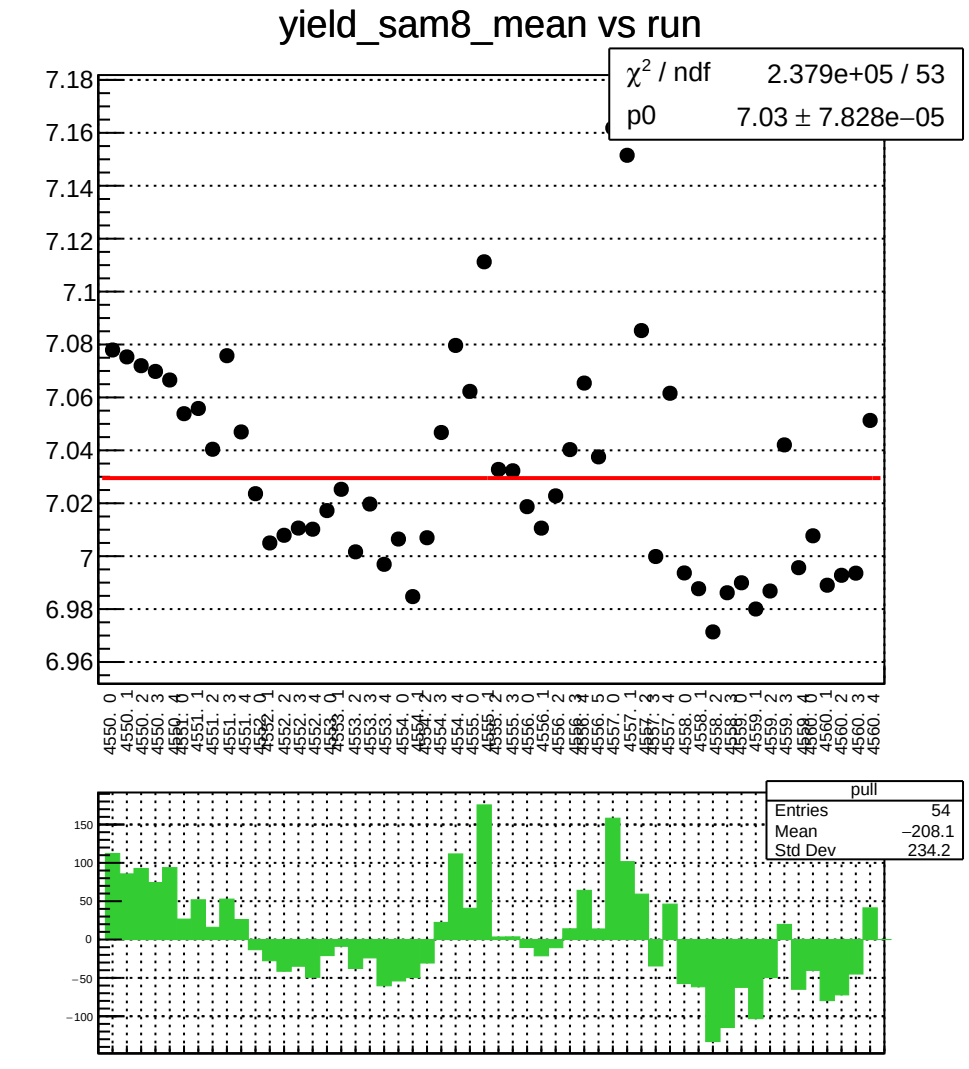

pull1D
Entries 54
Mean −0.8716
Std Dev 5.022

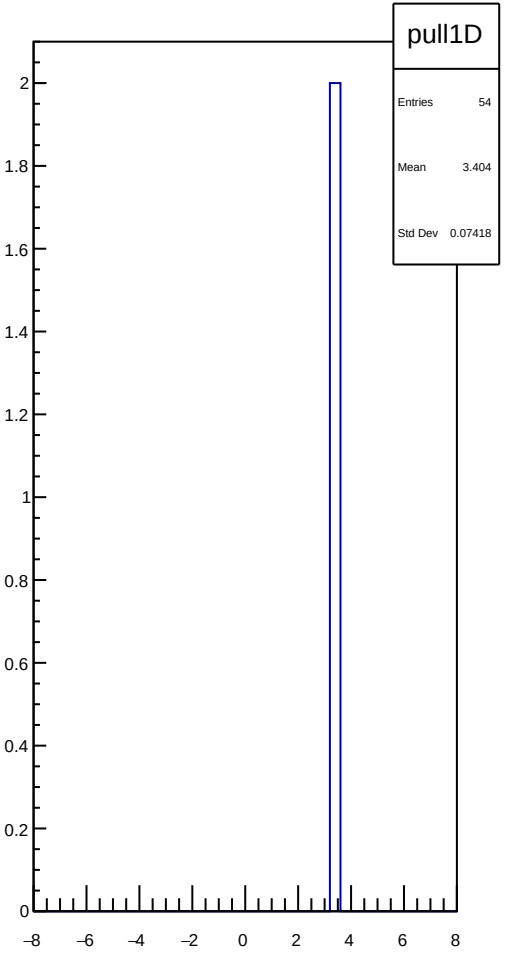

yield_sam6_rms vs run
χ² / ndf 5.927e+04 / 53
p0 0.08027 ± 8.012e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06

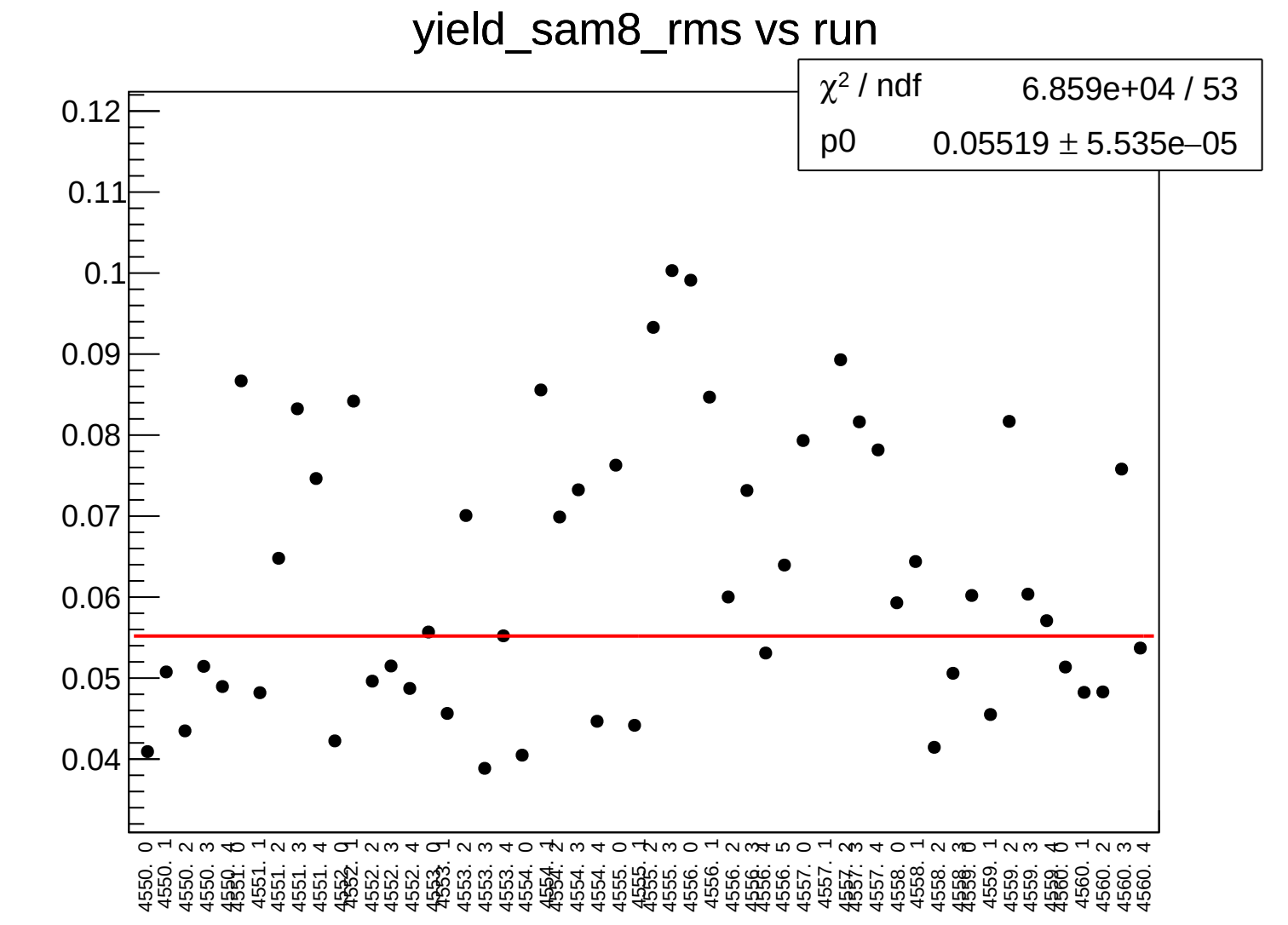

yield_sam7_mean vs run
χ² / ndf 1.532e+05 / 53
p0 15 ± 0.0001739
15.2
15.15
15.1
15.05
15
14.95
14.9
14.85
14.8
pull
Entries 54
Mean 313.5
Std Dev 287.8
100
50
0
−50
−100

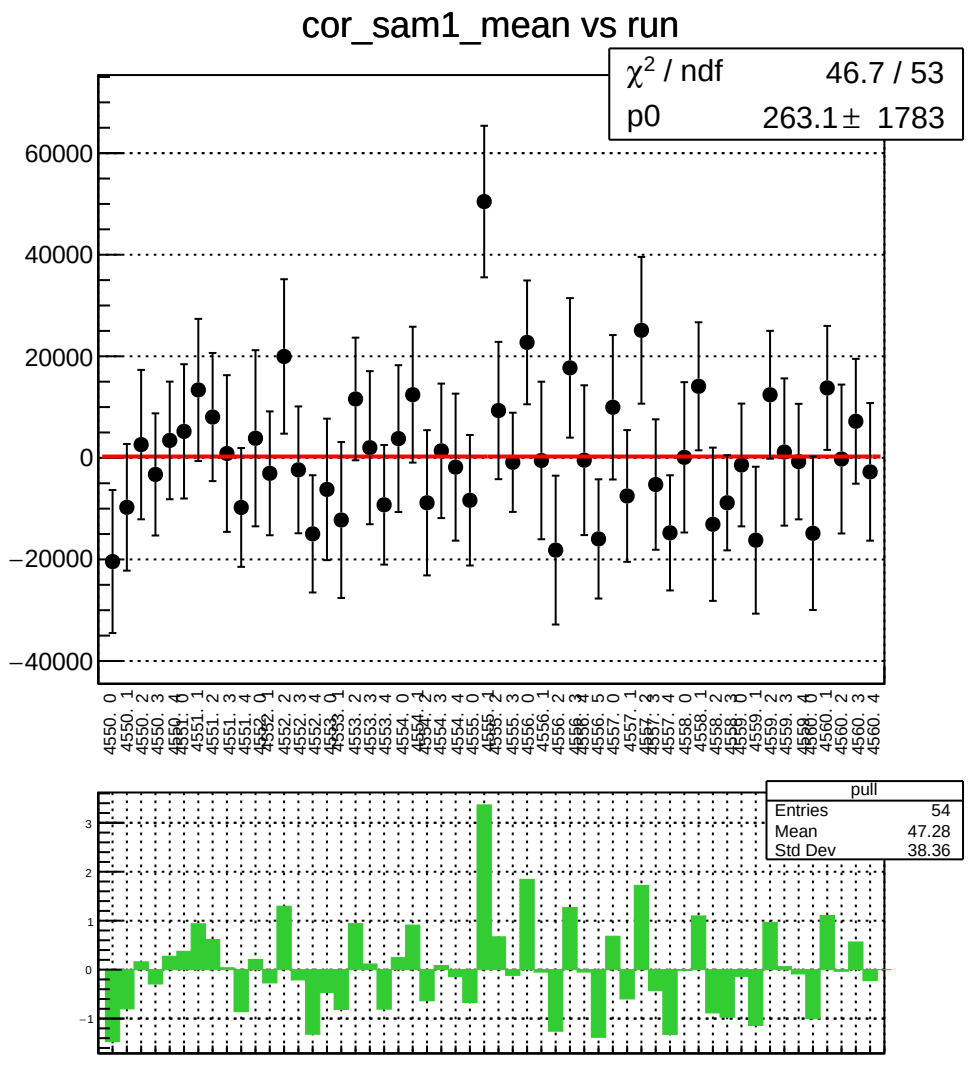

pull1D
Entries 54
Mean 0.3813
Std Dev 4.454
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

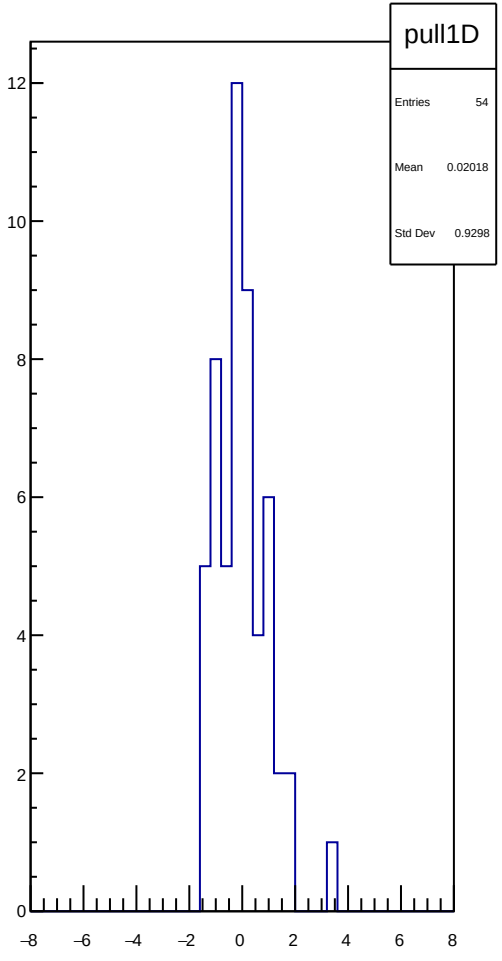

yield_sam7_rms vs run
χ² / ndf 2.56e+04 / 53
p0 0.1252 ± 0.000123
0.18
0.16
0.14
0.12
0.1

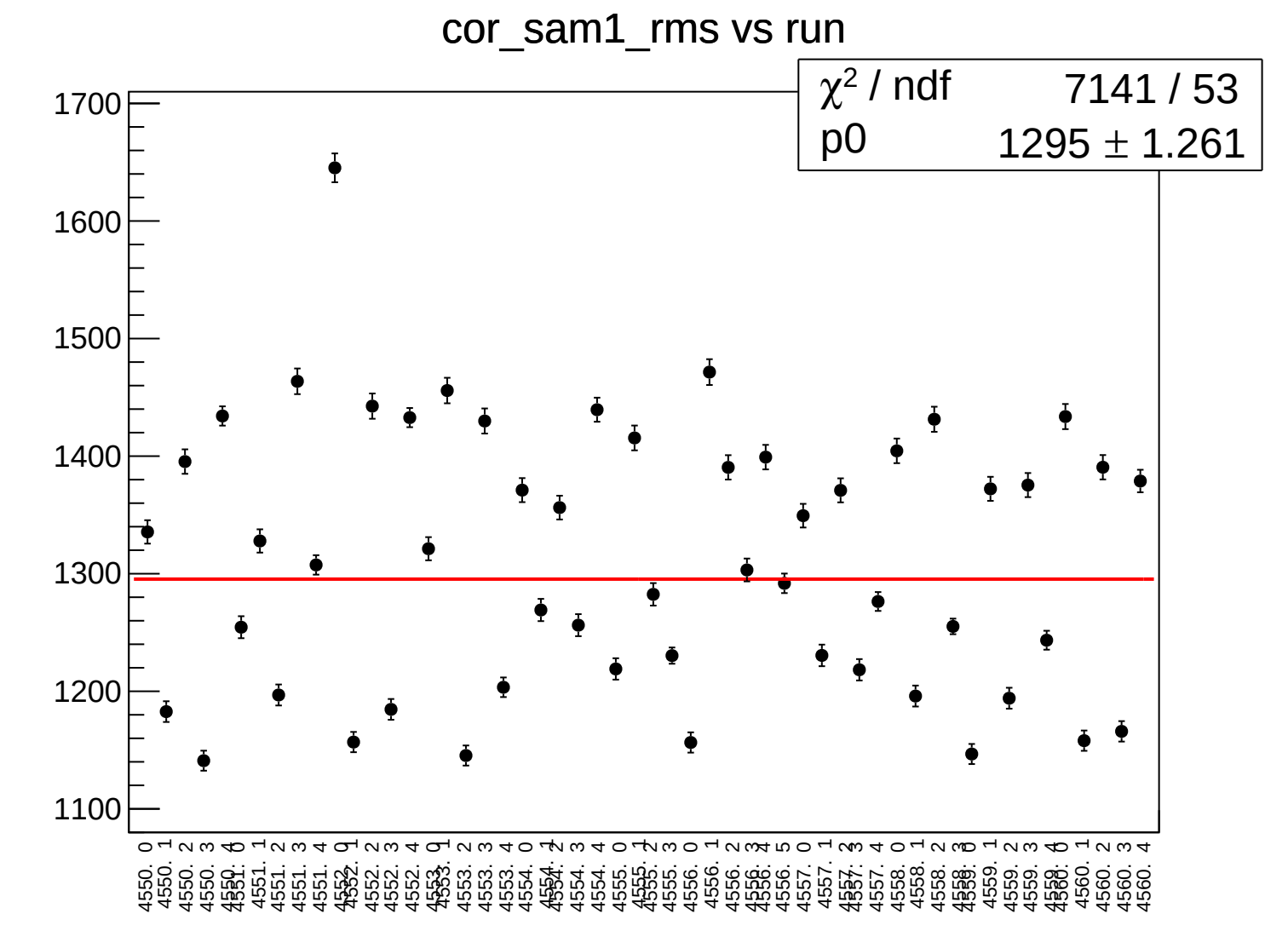

yield_sam8_mean vs run
χ² / ndf 2.379e+05 / 53
p0 7.03 ± 7.828e−05
pull
Entries 54
Mean −208.1
Std Dev 234.2

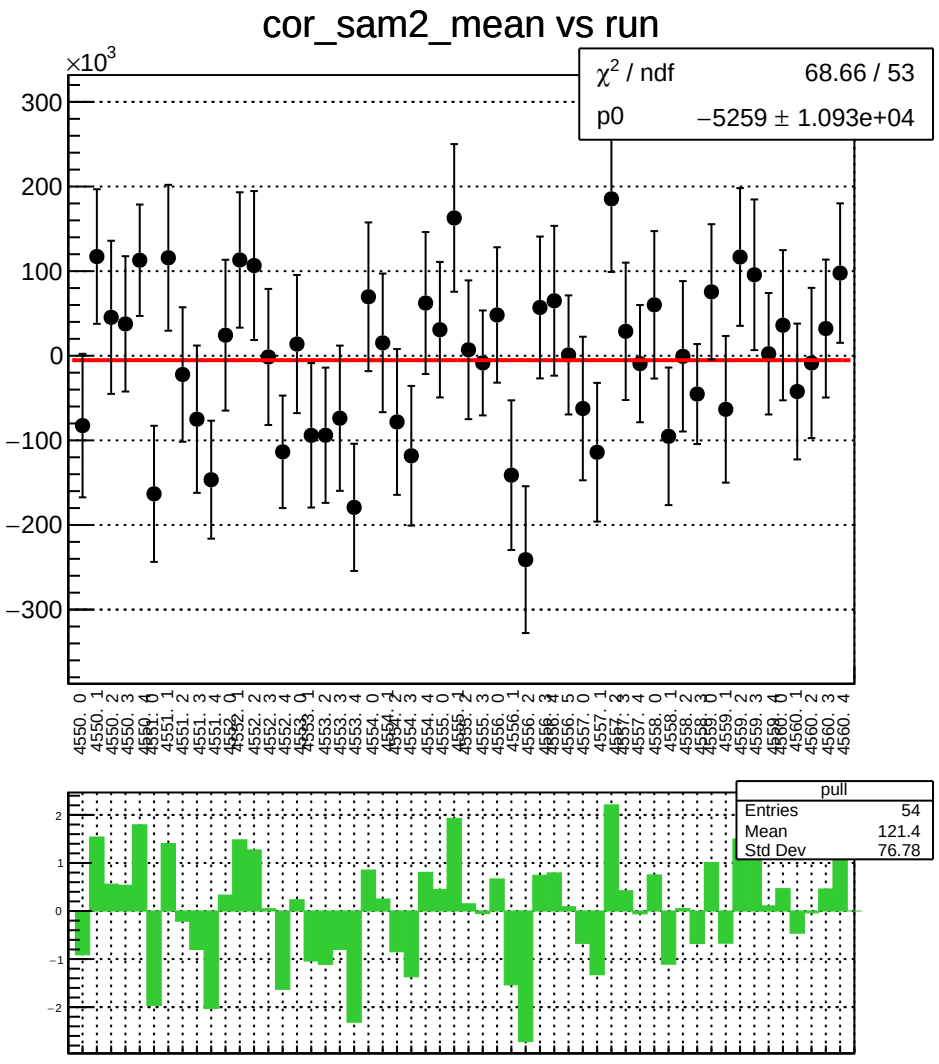

pull1D
Entries 54
Mean 3.404
Std Dev 0.07418

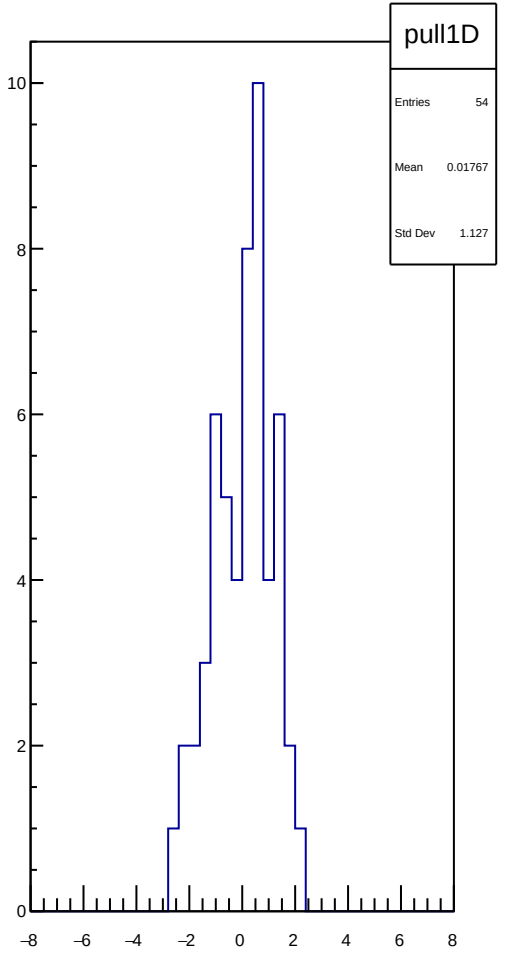

yield_sam8_rms vs run
χ² / ndf 6.859e+04 / 53
p0 0.05519 ± 5.535e−05
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04

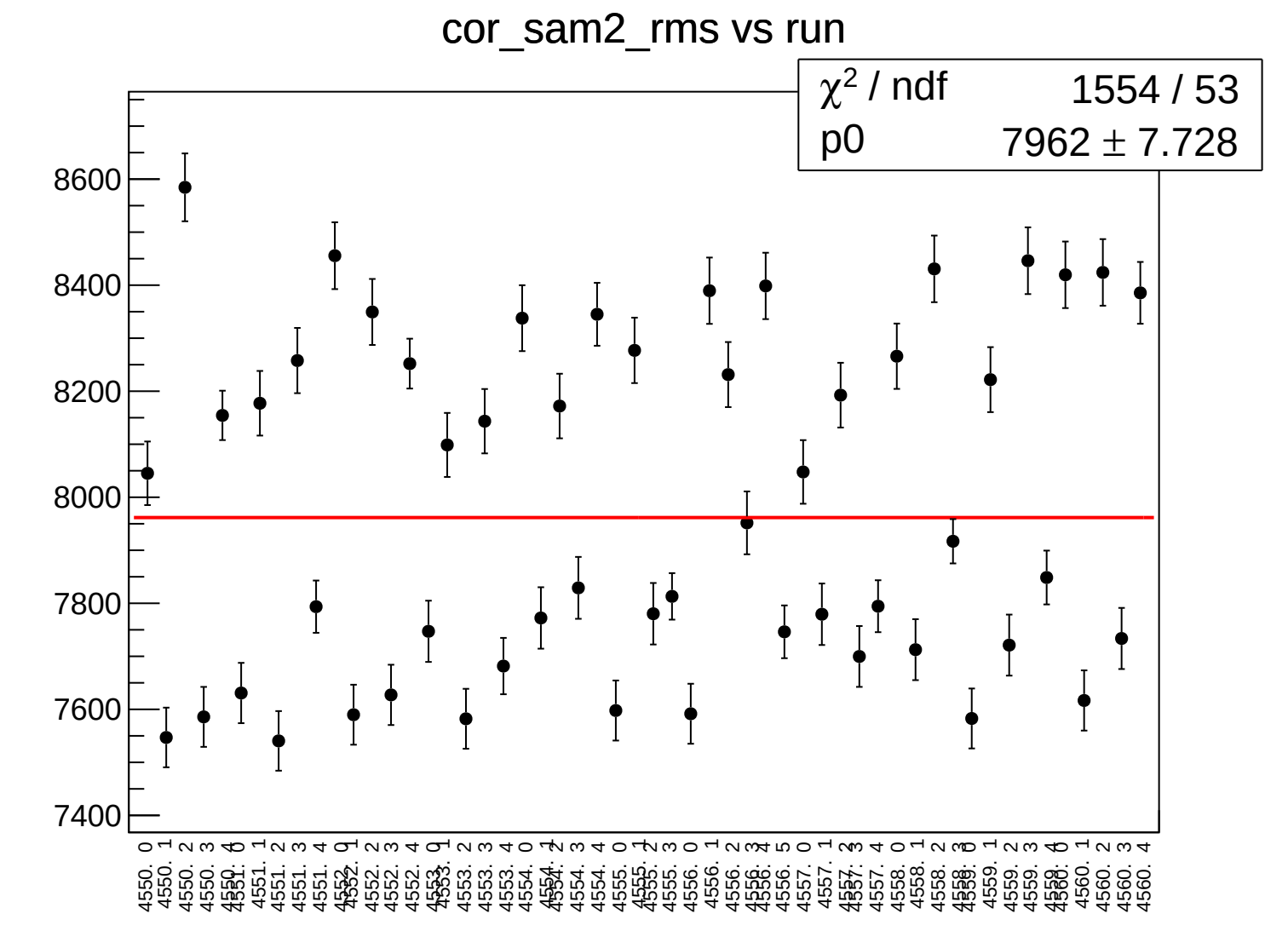

cor_sam1_mean vs run
χ² / ndf 46.7 / 53
p0 263.1± 1783
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 47.28
Std Dev 38.36
3
2
1
0
−1

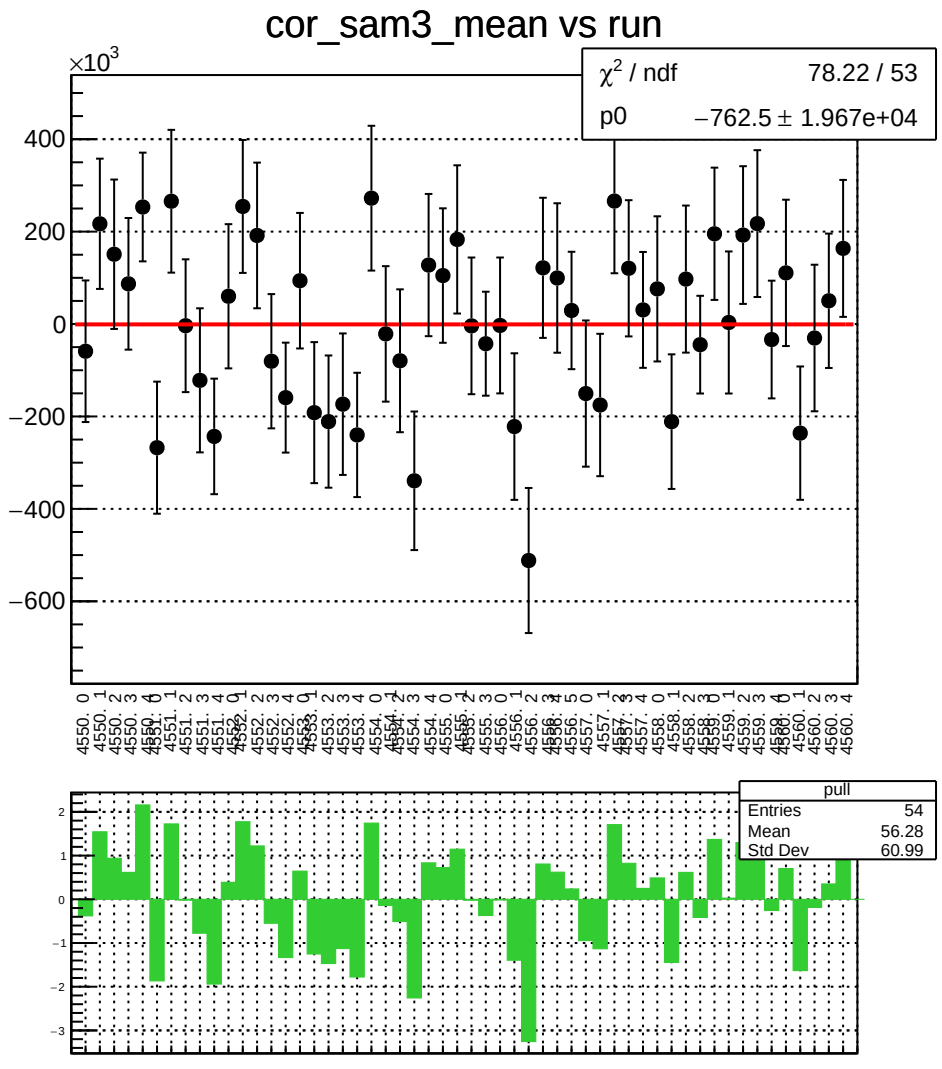

pull1D
Entries 54
Mean 0.02018
Std Dev 0.9298
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

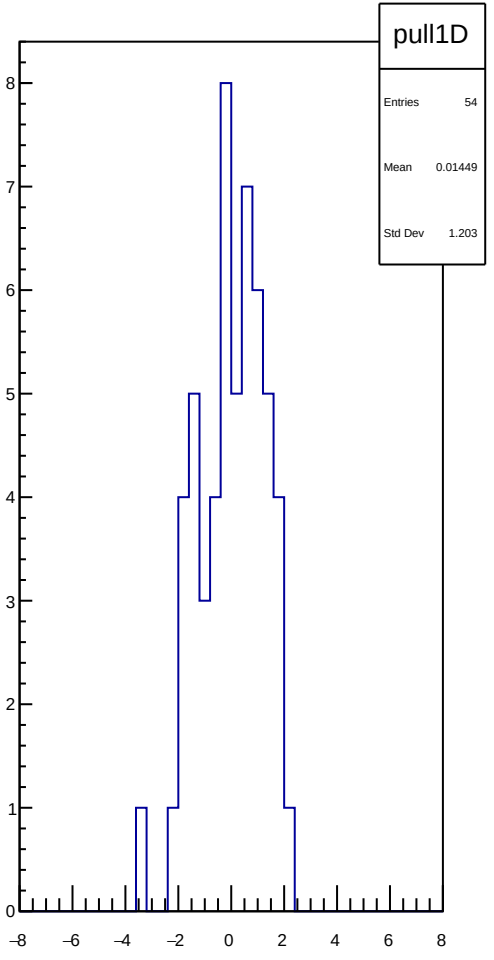

cor_sam1_rms vs run
χ² / ndf 7141 / 53
p0 1295 ± 1.261
1700
1600
1500
1400
1300
1200
1100
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

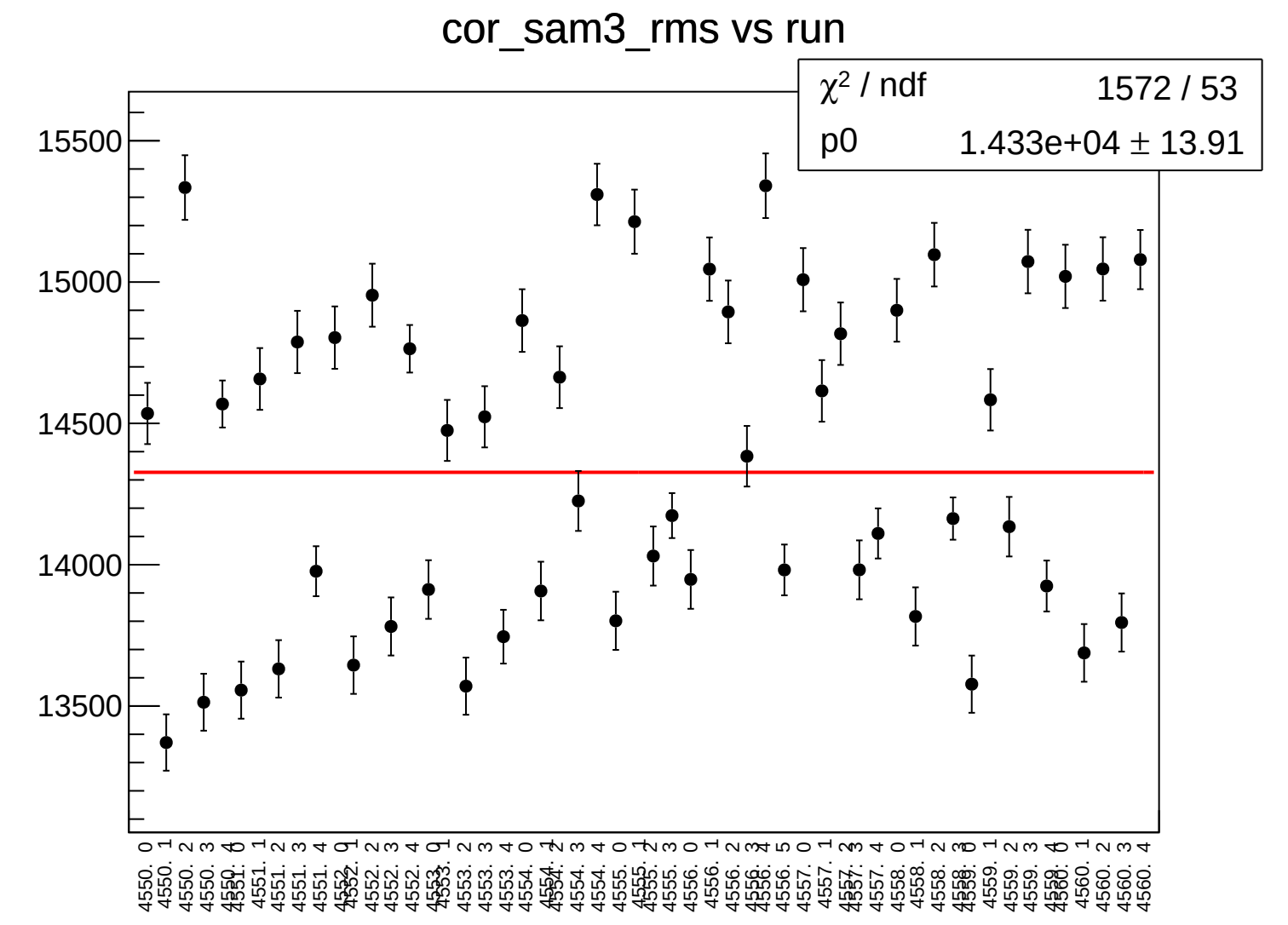

cor_sam2_mean vs run
×10^3
χ² / ndf 68.66 / 53
p0 −5259 ± 1.093e+04
pull
Entries 54
Mean 121.4
Std Dev 76.78

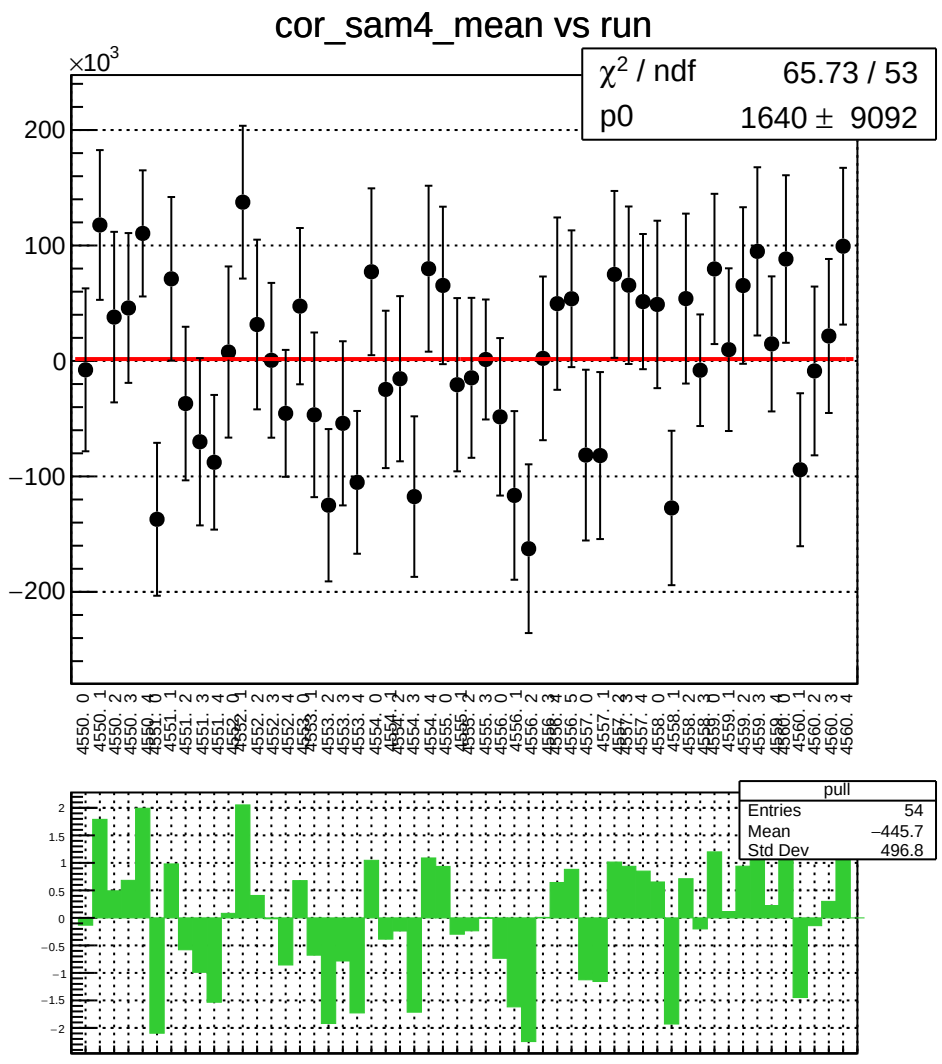

pull1D
Entries 54
Mean 0.01767
Std Dev 1.127

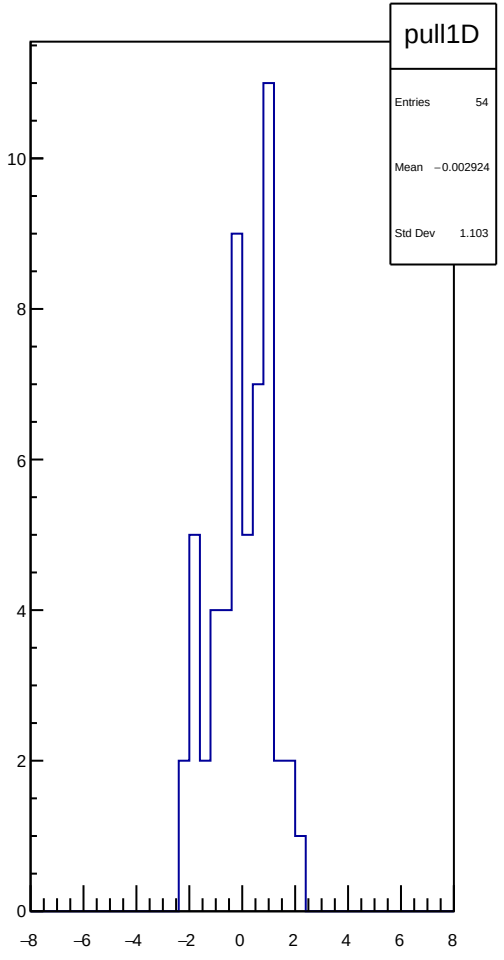

cor_sam2_rms vs run
χ² / ndf 1554 / 53
p0 7962 ± 7.728
8600
8400
8200
8000
7800
7600
7400

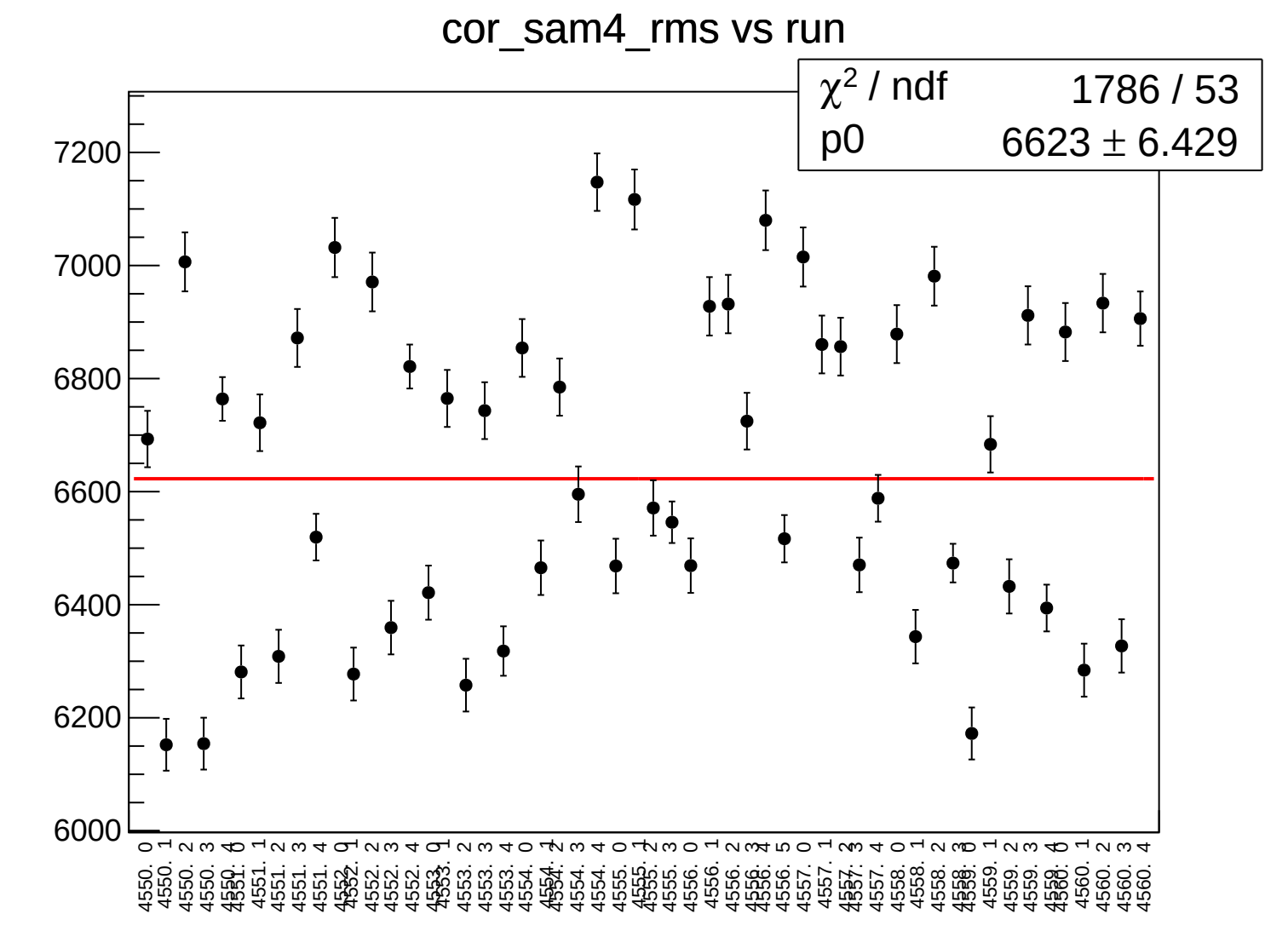

cor_sam3_mean vs run
×10^3
χ² / ndf 78.22 / 53
p0 −762.5 ± 1.967e+04
400
200
0
−200
−400
−600
pull
Entries 54
Mean 56.28
Std Dev 60.99
2
1
0
−1
−2
−3

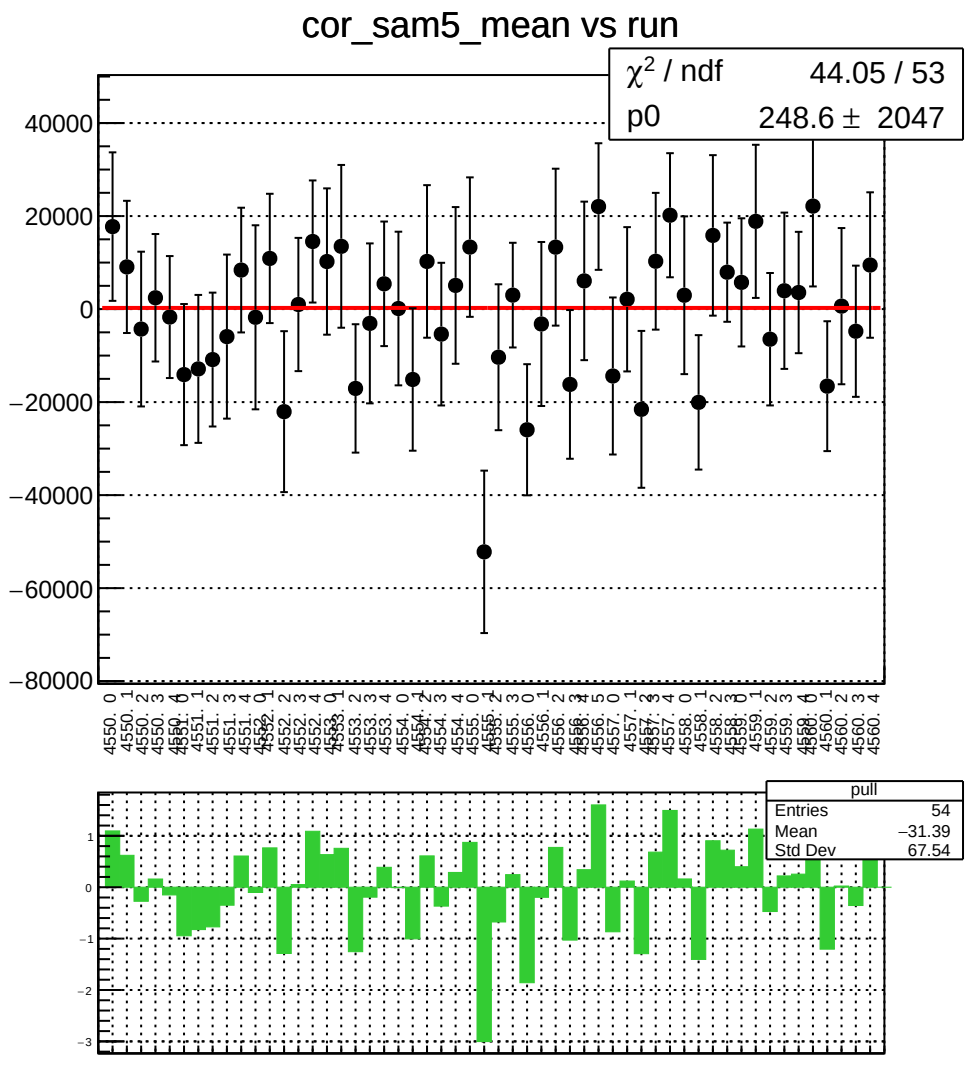

pull1D
Entries 54
Mean 0.01449
Std Dev 1.203
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

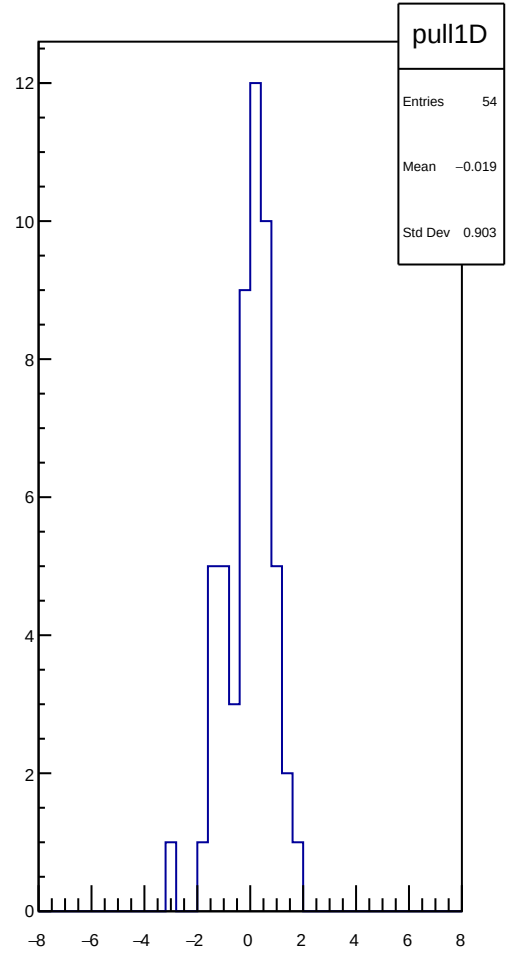

cor_sam3_rms vs run
χ² / ndf 1572 / 53
p0 1.433e+04 ± 13.91
15500
15000
14500
14000
13500

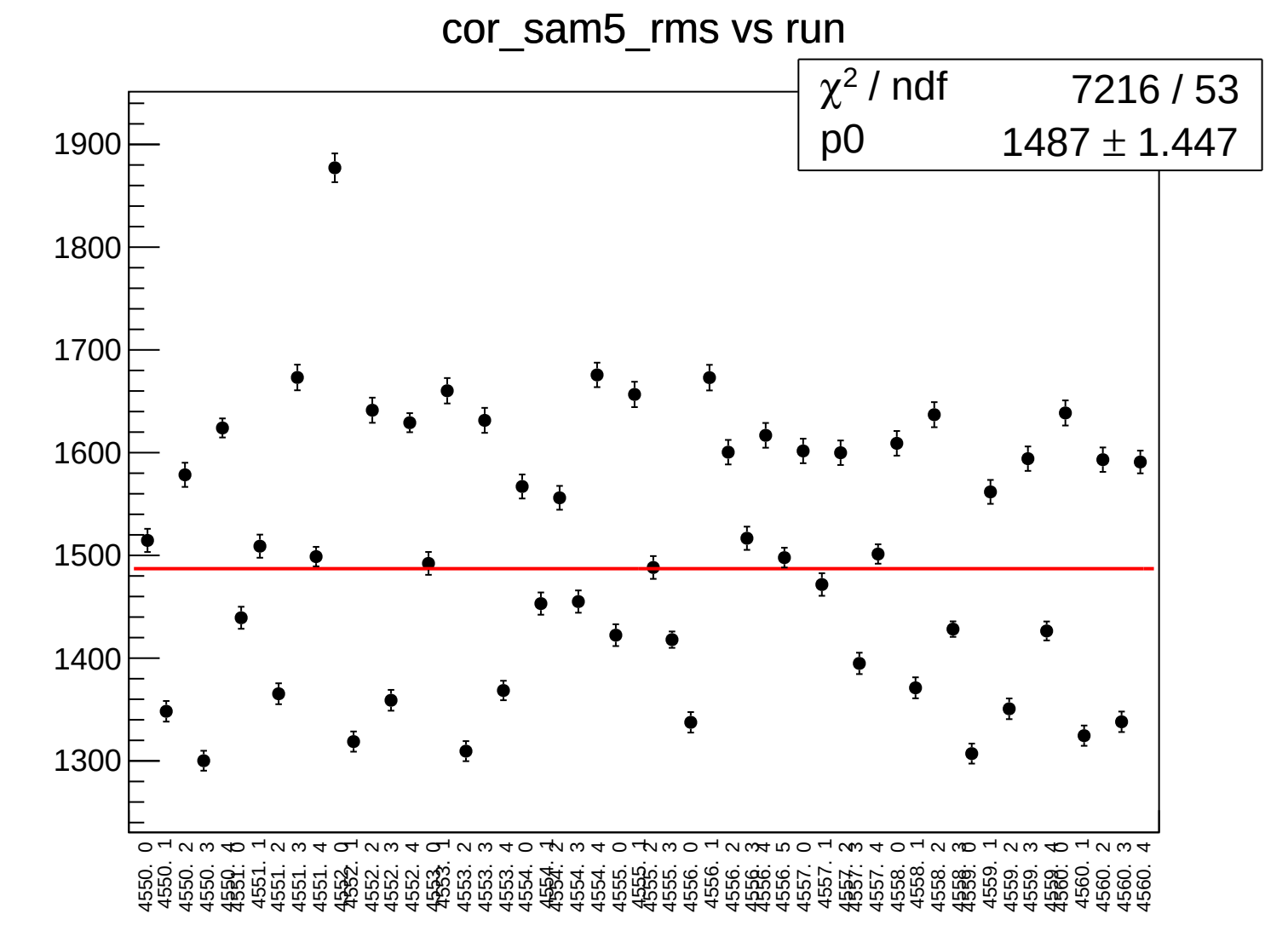

cor_sam4_mean vs run
χ² / ndf 65.73 / 53
p0 1640 ± 9092
×10³
200
100
0
−100
−200
pull
Entries 54
Mean −445.7
Std Dev 496.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

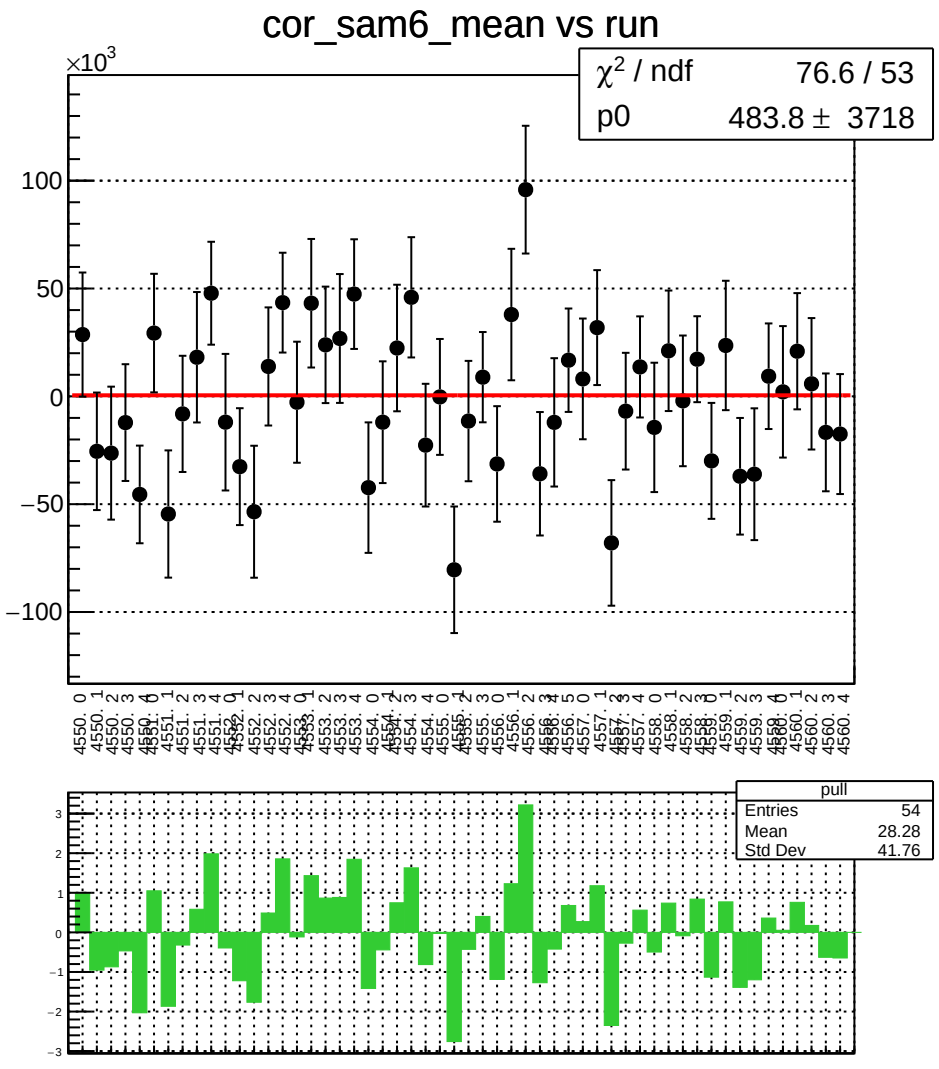

pull1D
Entries 54
Mean −0.002924
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

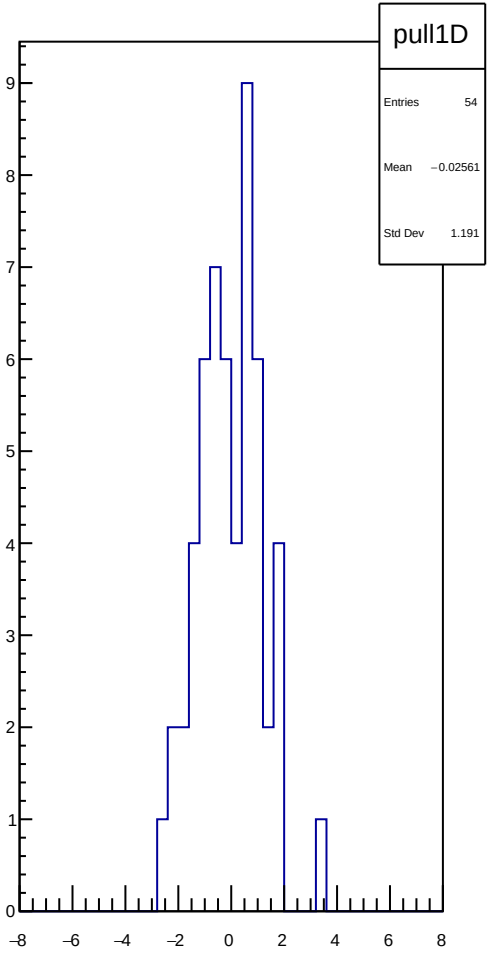

cor_sam4_rms vs run
χ^2 / ndf 1786 / 53
p0 6623 ± 6.429
7200
7000
6800
6600
6400
6200
6000
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

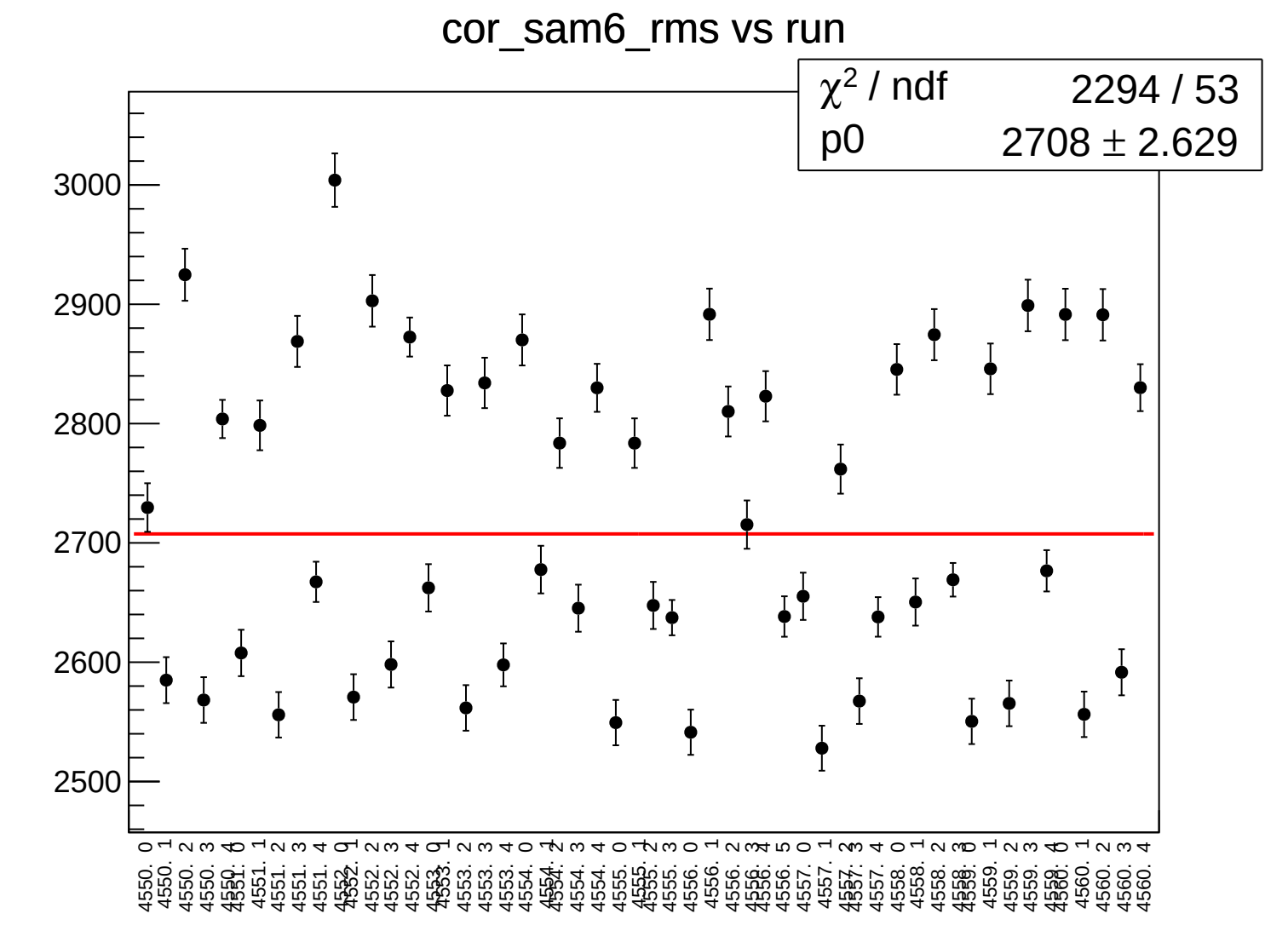

cor_sam5_mean vs run
χ² / ndf 44.05 / 53
p0 248.6 ± 2047
pull
Entries 54
Mean −31.39
Std Dev 67.54

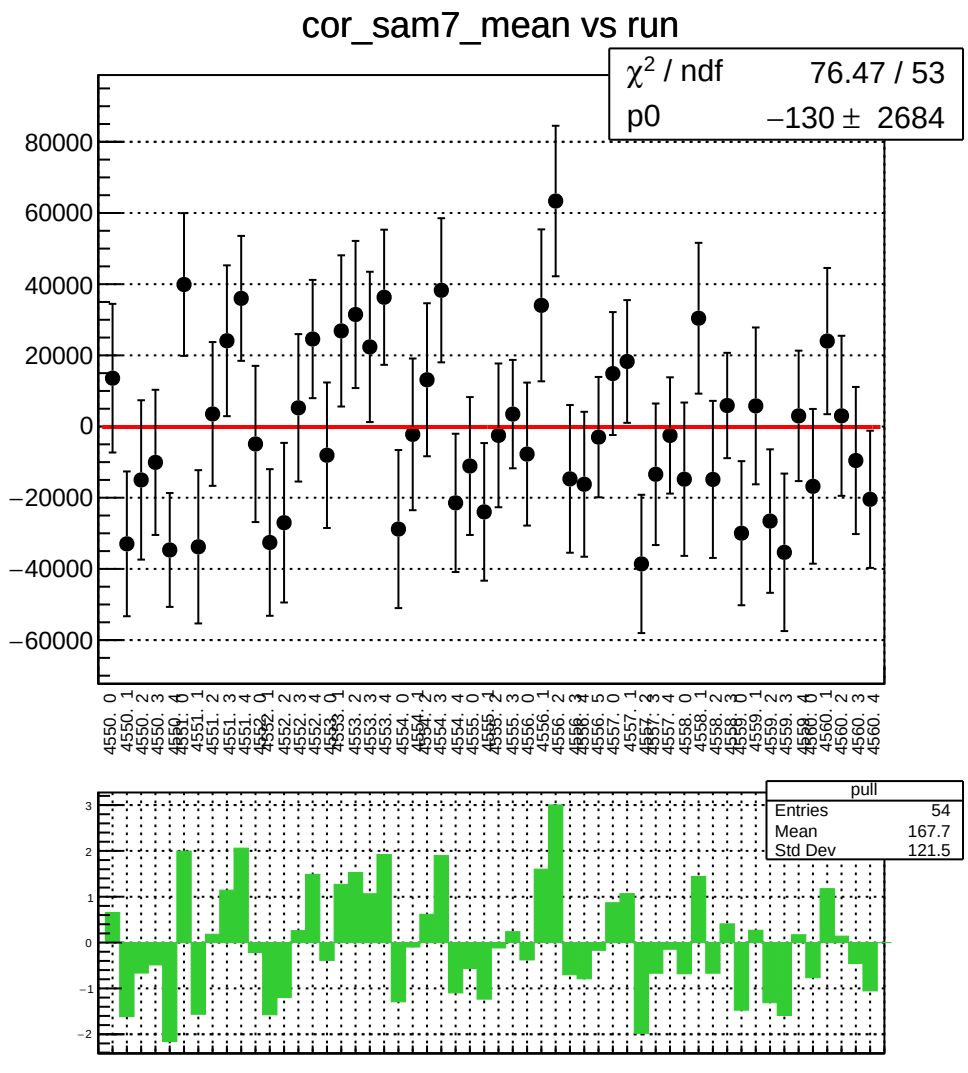

pull1D
Entries 54
Mean −0.019
Std Dev 0.903

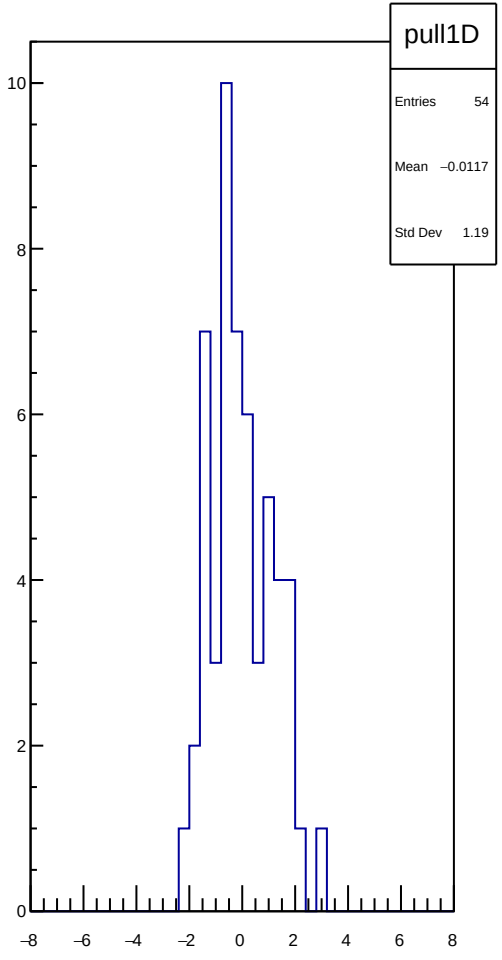

cor_sam5_rms vs run
χ² / ndf 7216 / 53
p0 1487 ± 1.447
1900
1800
1700
1600
1500
1400
1300
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

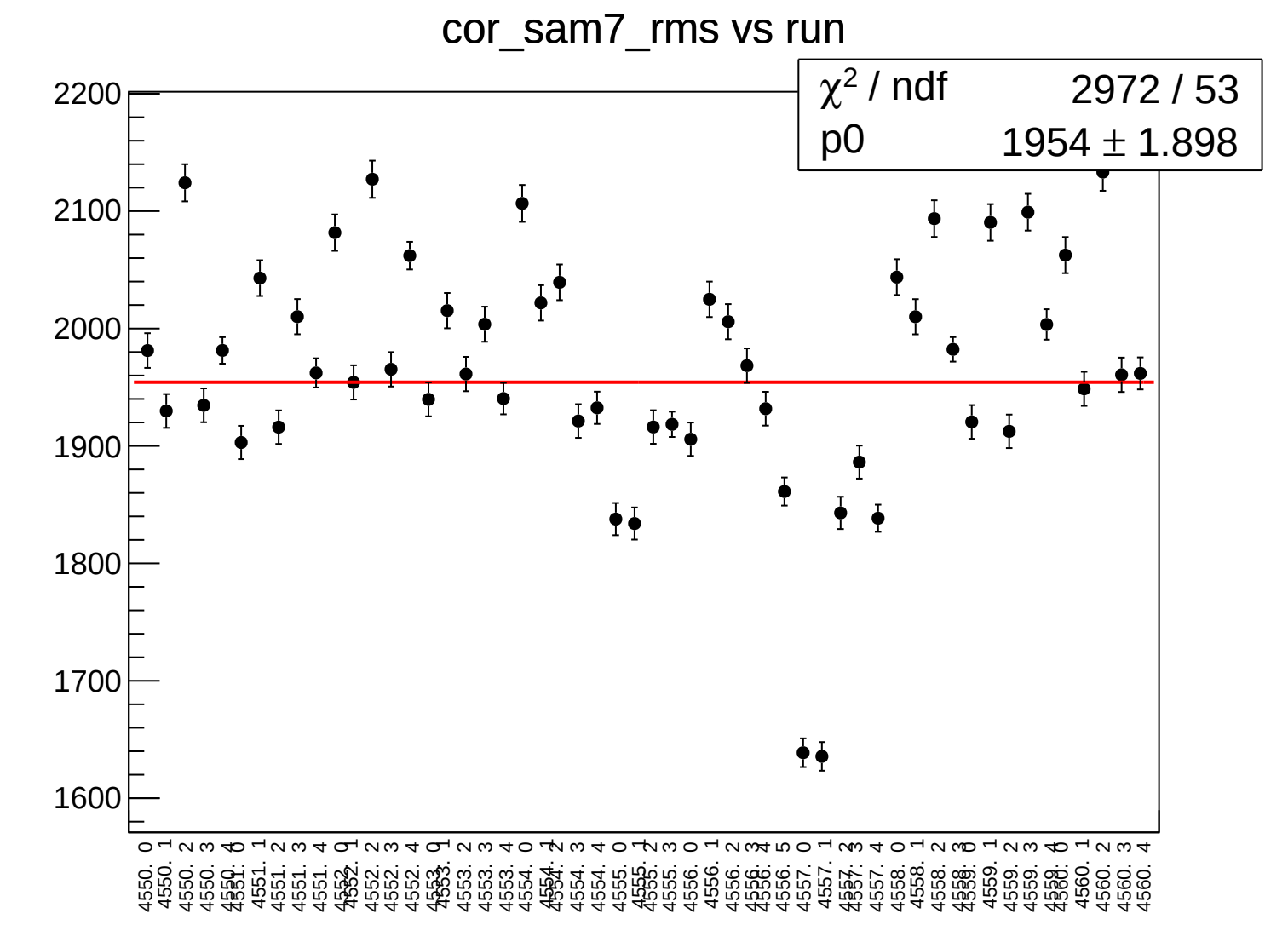

cor_sam6_mean vs run
×10^3
χ^2 / ndf 76.6 / 53
p0 483.8 ± 3718
100
50
0
−50
−100
pull
Entries 54
Mean 28.28
Std Dev 41.76
3
2
1
0
−1
−2
−3

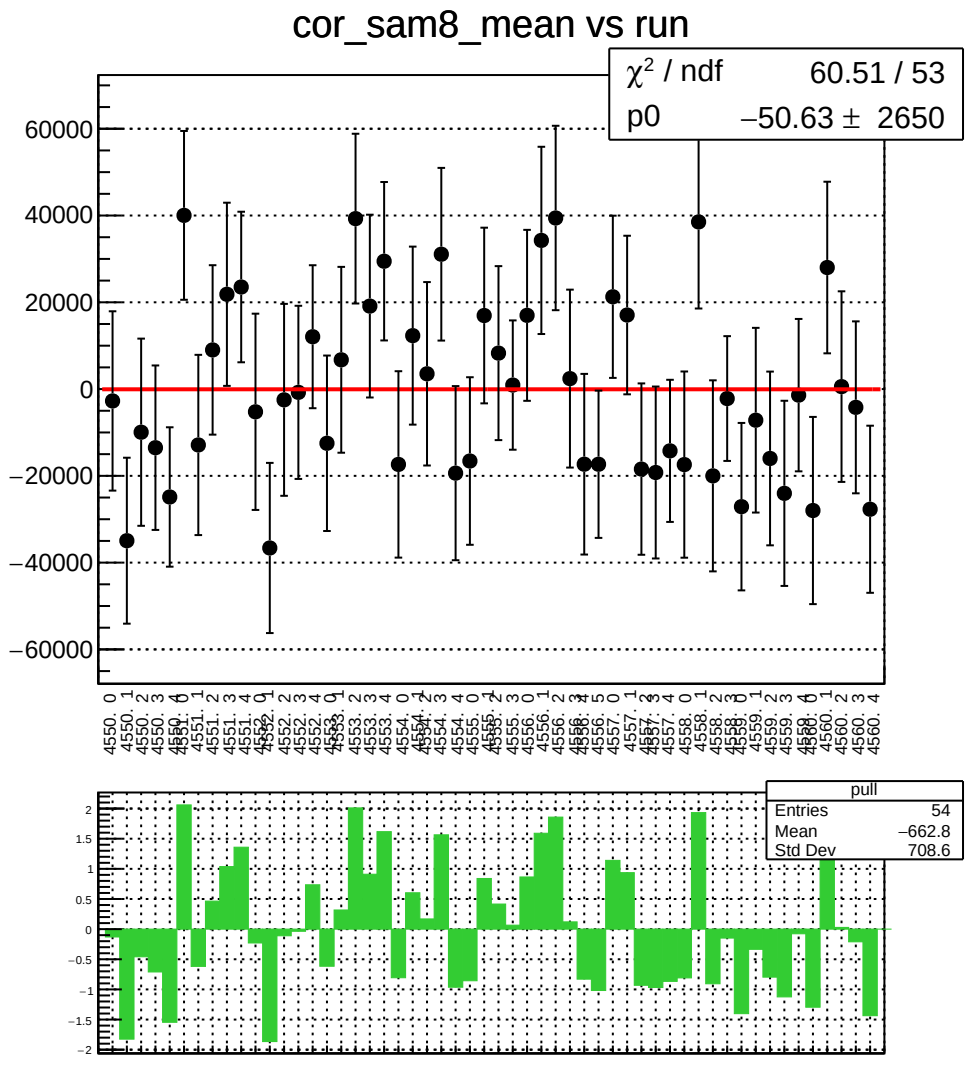

pull1D
Entries 54
Mean −0.02561
Std Dev 1.191
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

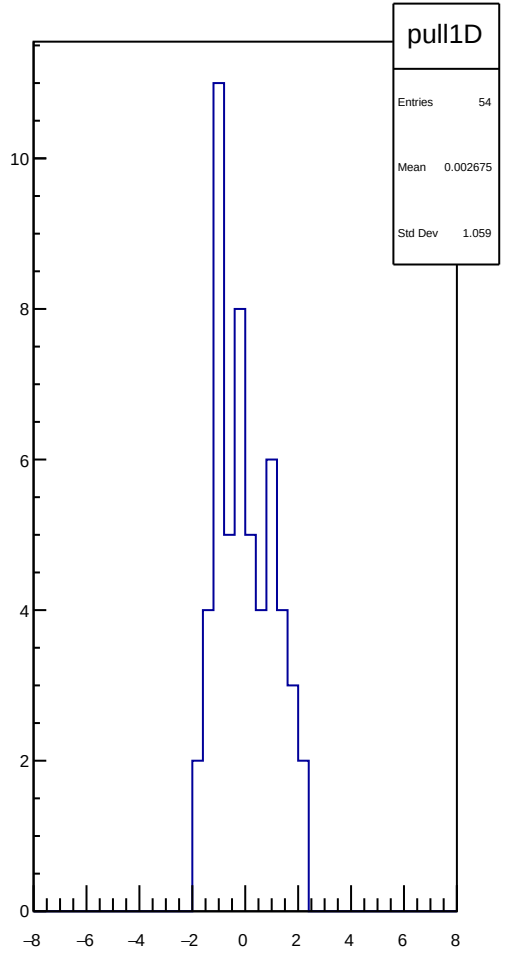

cor_sam6_rms vs run
χ² / ndf 2294 / 53
p0 2708 ± 2.629
3000
2900
2800
2700
2600
2500
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

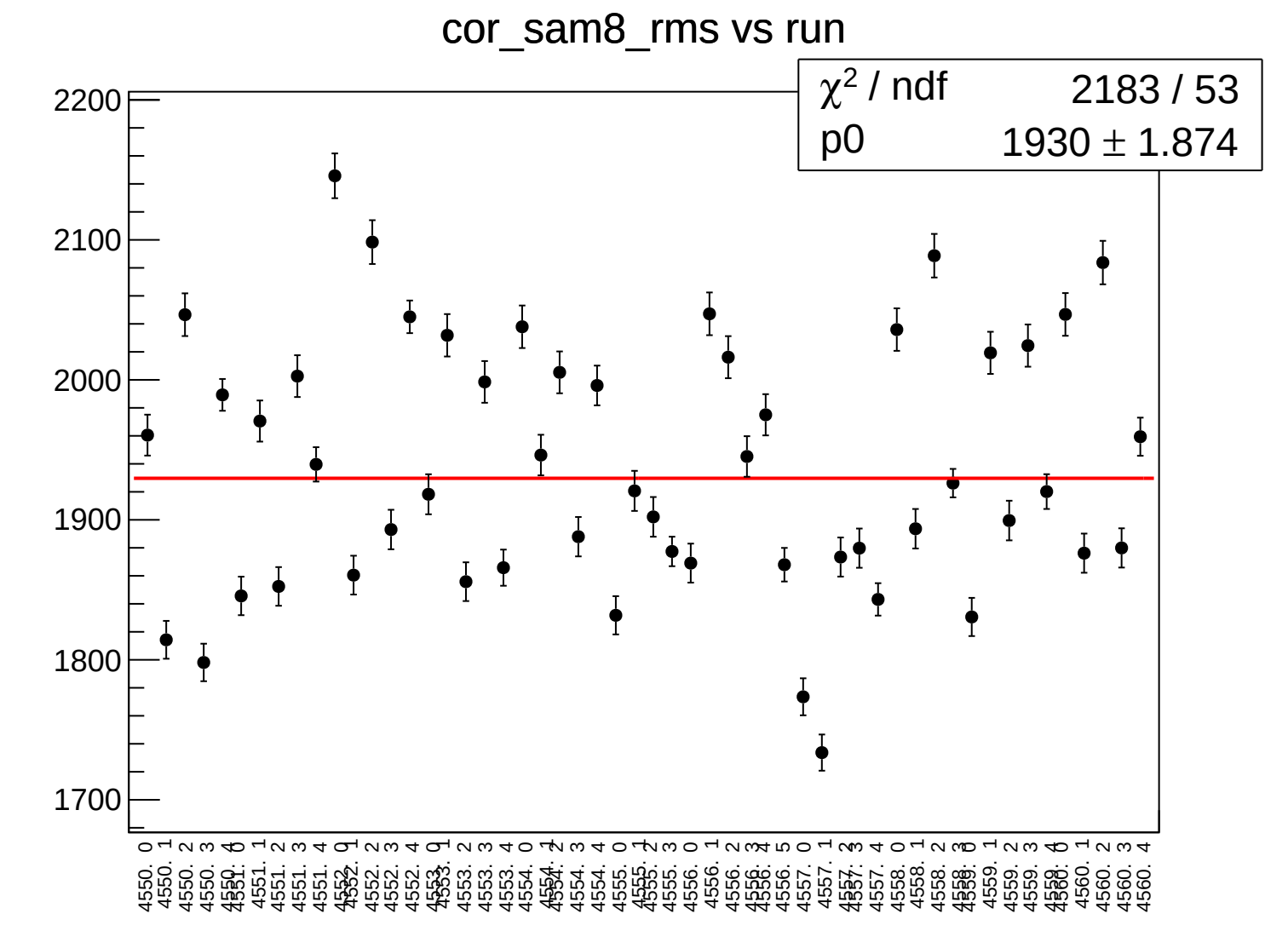

cor_sam7_mean vs run
χ² / ndf 76.47 / 53
p0 −130 ± 2684
pull
Entries 54
Mean 167.7
Std Dev 121.5

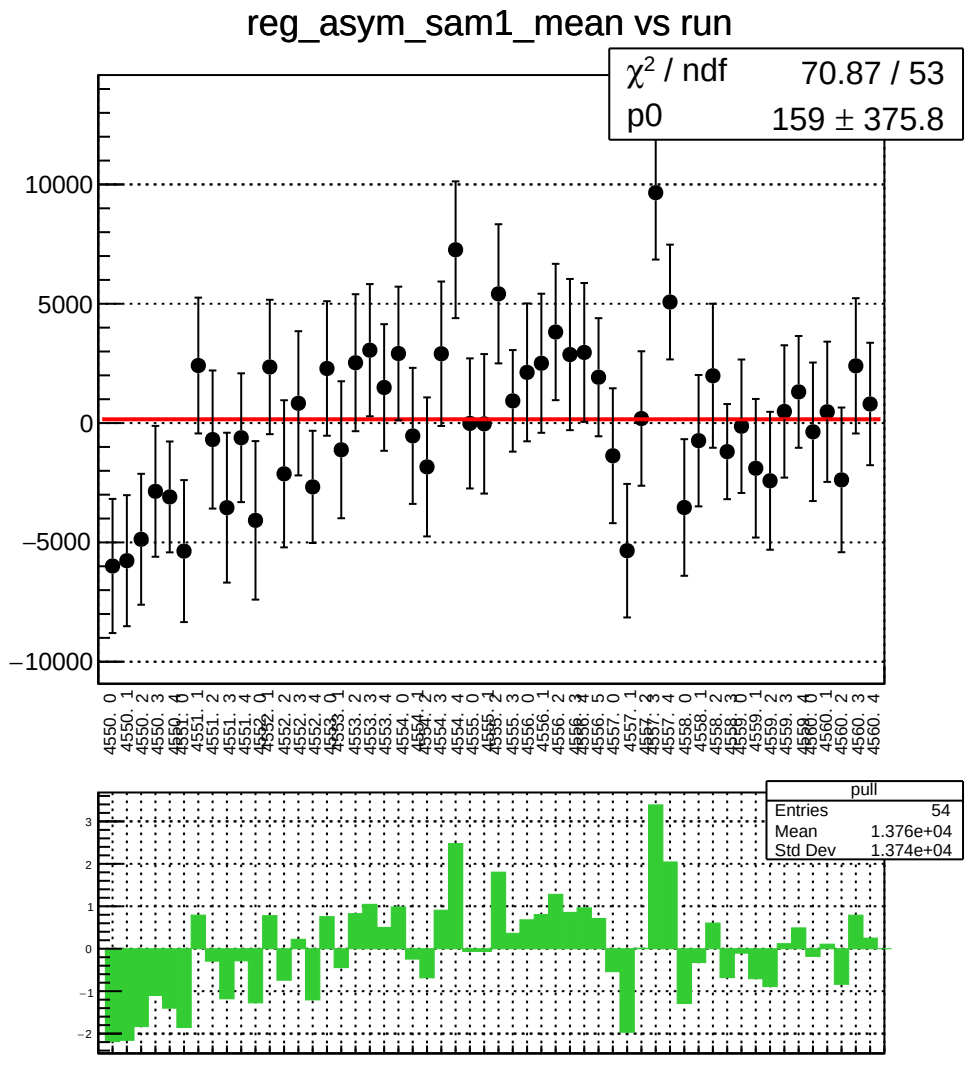

pull1D
Entries 54
Mean −0.0117
Std Dev 1.19

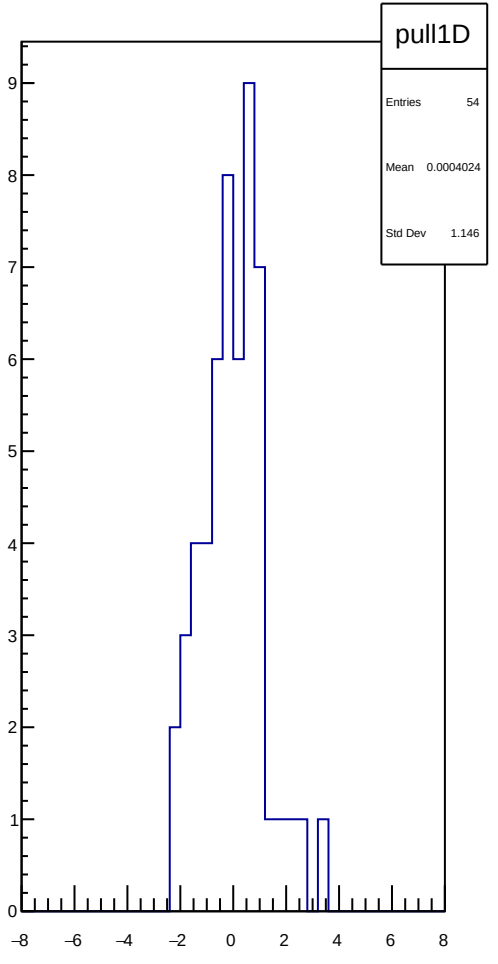

cor_sam7_rms vs run
χ² / ndf 2972 / 53
p0 1954 ± 1.898
2200
2100
2000
1900
1800
1700
1600

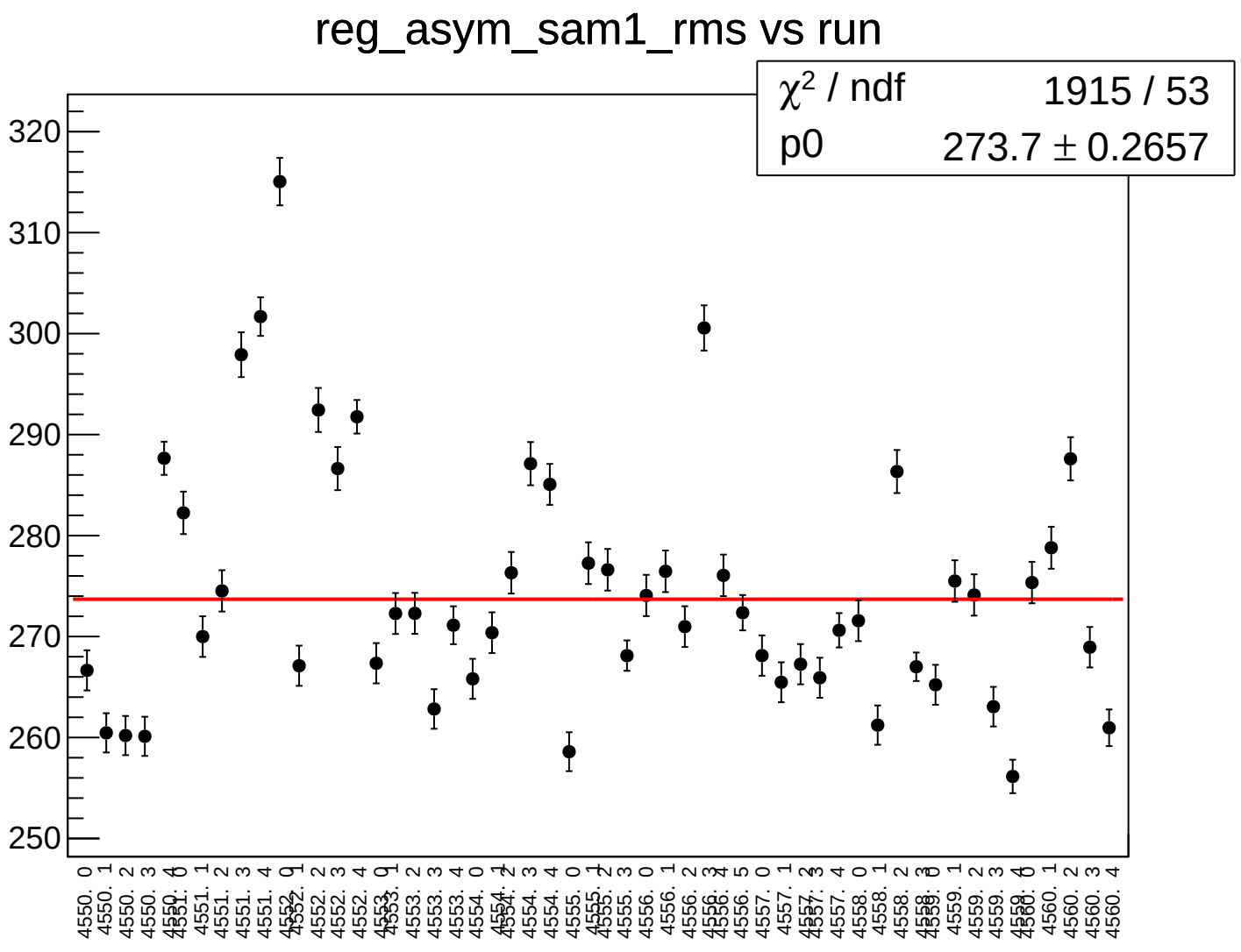

cor_sam8_mean vs run
χ² / ndf 60.51 / 53
p0 −50.63 ± 2650
pull
Entries 54
Mean −662.8
Std Dev 708.6

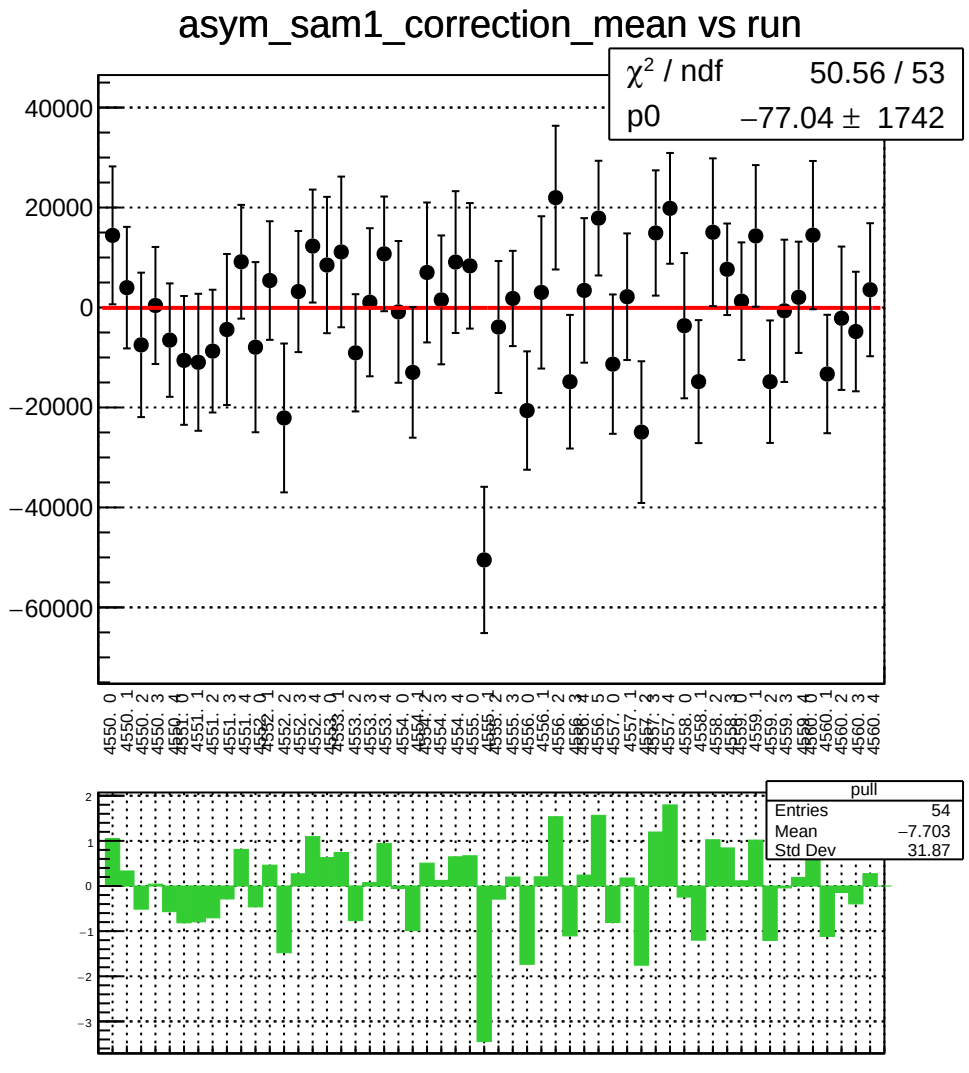

pull1D
Entries 54
Mean 0.002675
Std Dev 1.059

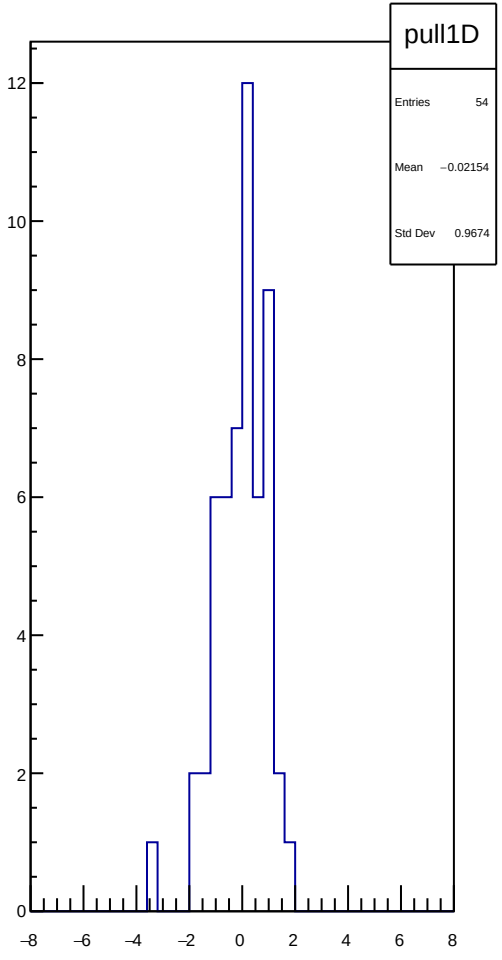

cor_sam8_rms vs run
χ² / ndf 2183 / 53
p0 1930 ± 1.874
2200
2100
2000
1900
1800
1700
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

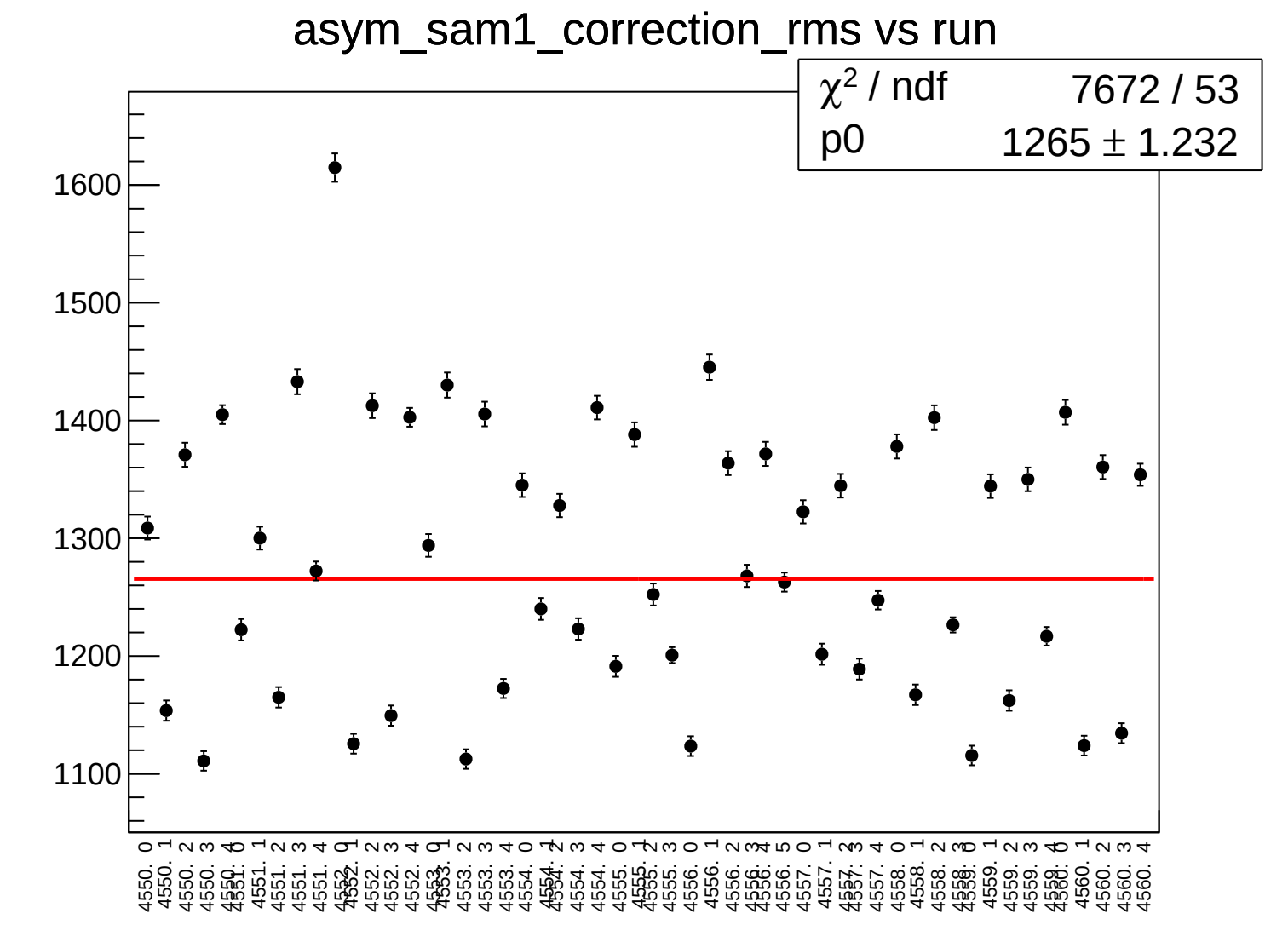

reg_asym_sam1_mean vs run
χ² / ndf 70.87 / 53
p0 159 ± 375.8
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 1.376e+04
Std Dev 1.374e+04
3
2
1
0
−1
−2

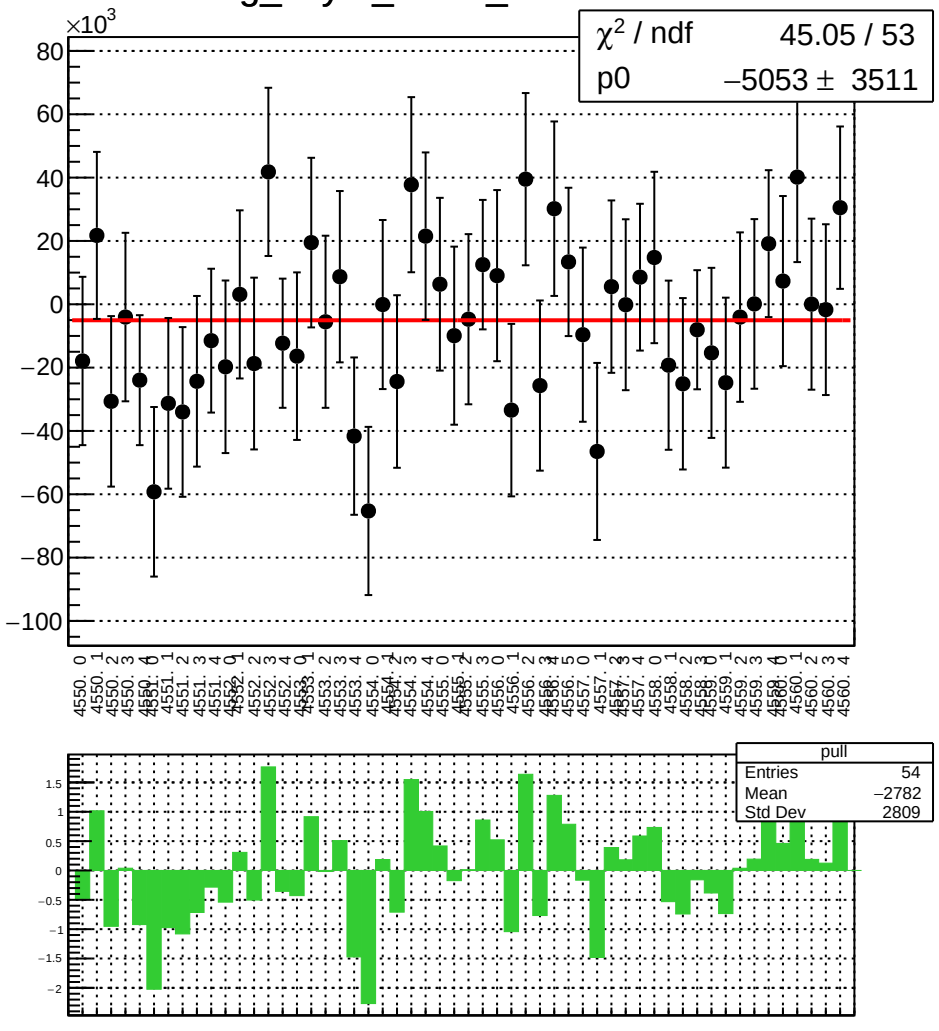

pull1D
Entries 54
Mean 0.0004024
Std Dev 1.146
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

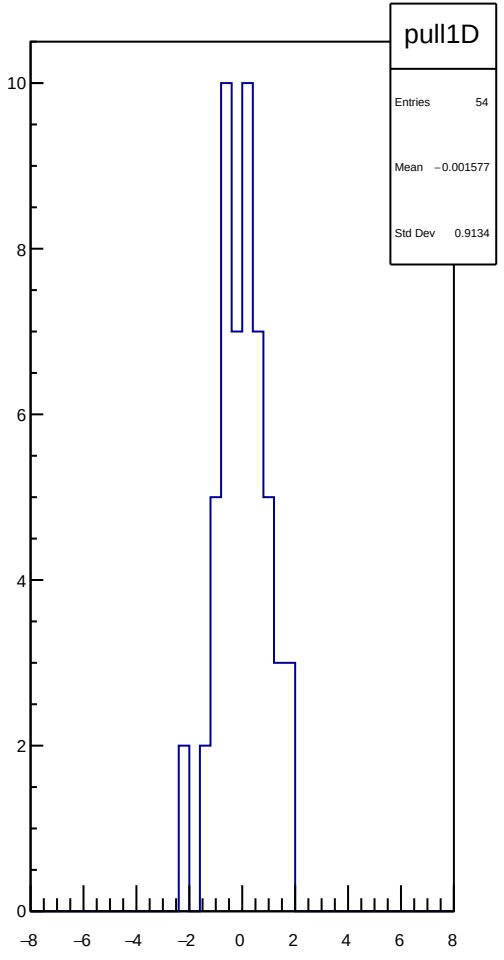

reg_asym_sam1_rms vs run
χ² / ndf 1915 / 53
p0 273.7 ± 0.2657
320
310
300
290
280
270
260
250
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

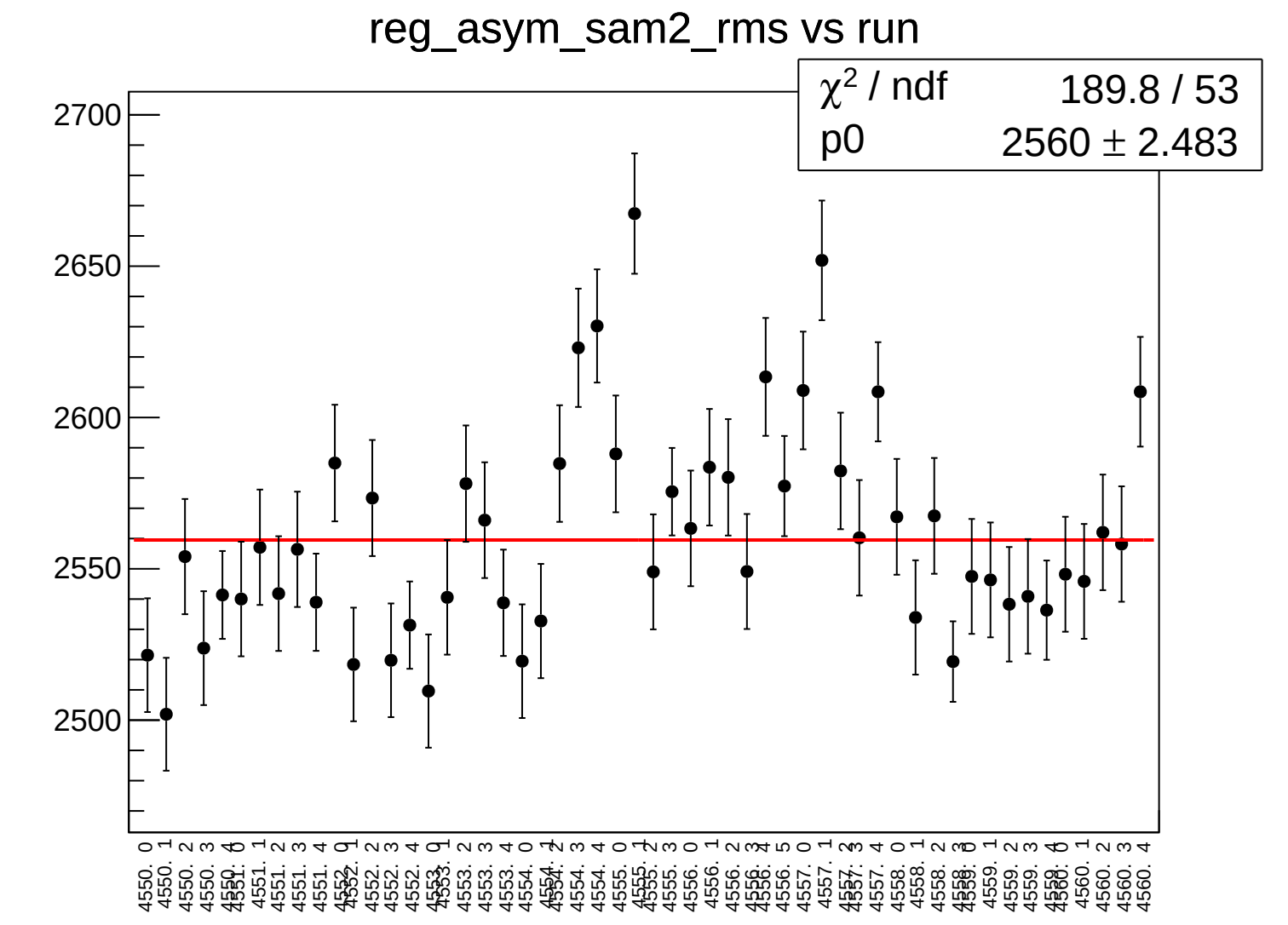

asym_sam1_correction_mean vs run
χ² / ndf 50.56 / 53
p0 −77.04 ± 1742
pull
Entries 54
Mean −7.703
Std Dev 31.87

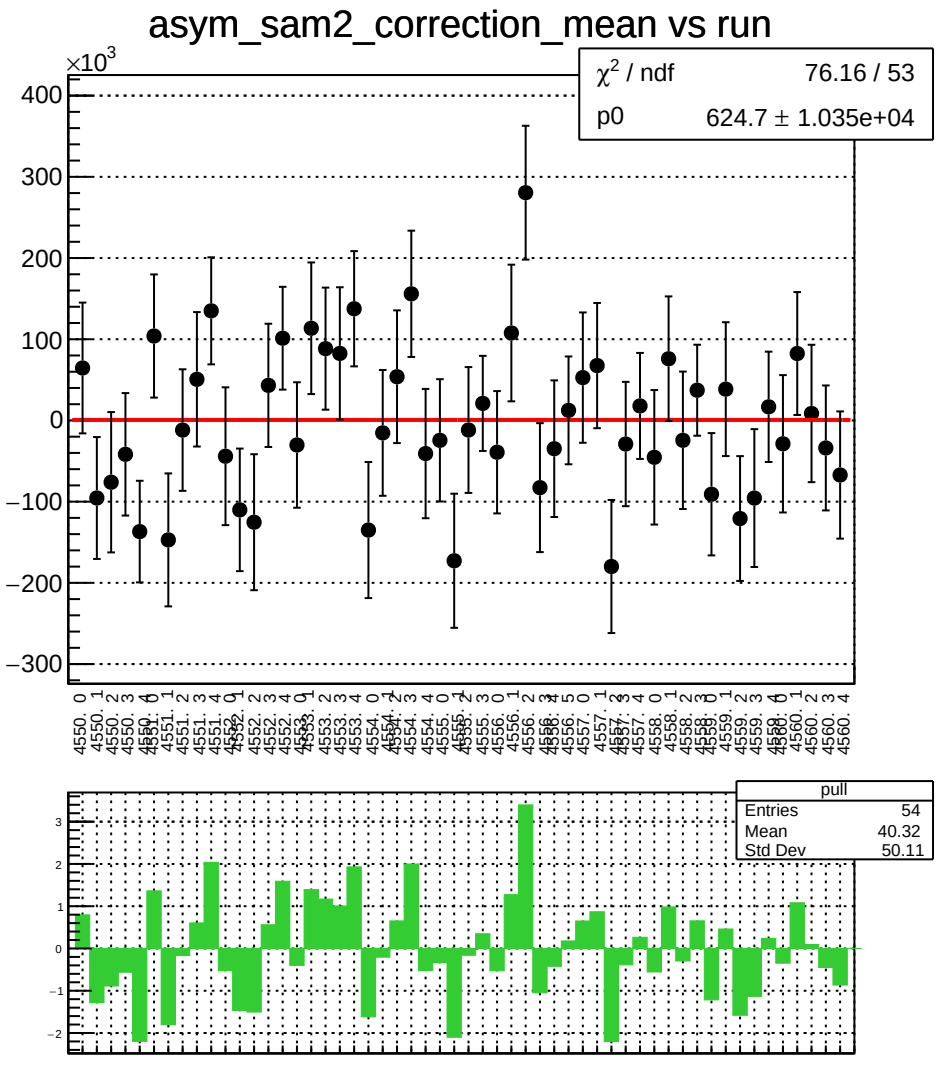

pull1D
Entries 54
Mean −0.02154
Std Dev 0.9674

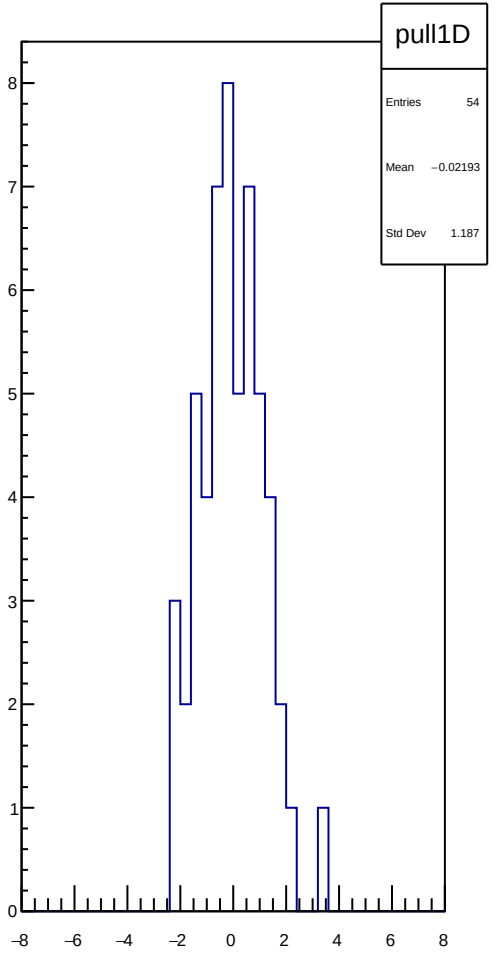

asym_sam1_correction_rms vs run
χ² / ndf 7672 / 53
p0 1265 ± 1.232
1600
1500
1400
1300
1200
1100

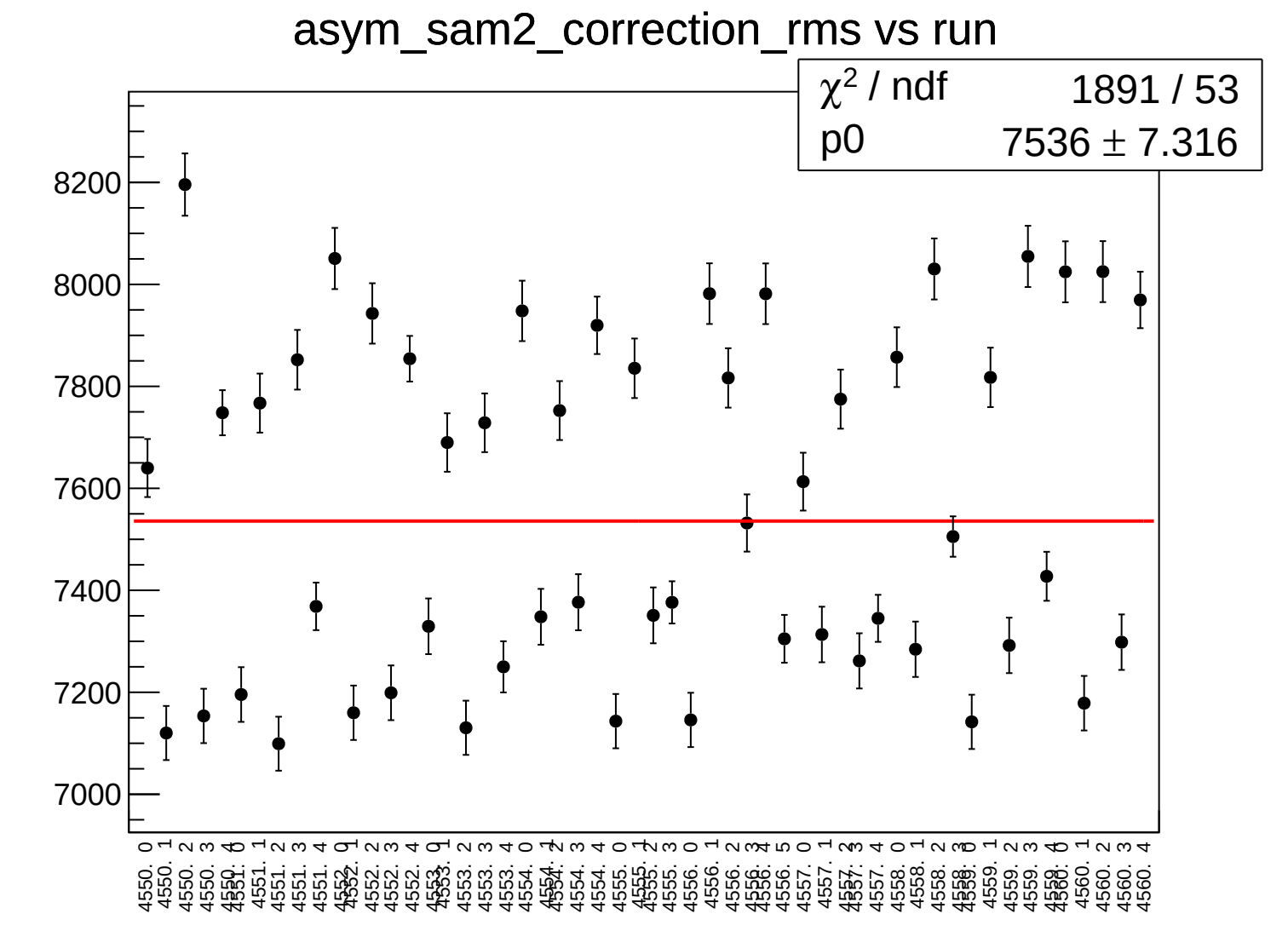

reg_asym_sam2_mean vs run
×10^3
χ² / ndf 45.05 / 53
p0 −5053 ± 3511
pull
Entries 54
Mean −2782
Std Dev 2809


pull1D
Entries 54
Mean −0.001577
Std Dev 0.9134


reg_asym_sam2_rms vs run
χ² / ndf 189.8 / 53
p0 2560 ± 2.483
2700
2650
2600
2550
2500


asym_sam2_correction_mean vs run
×10^3
χ² / ndf 76.16 / 53
p0 624.7 ± 1.035e+04
pull
Entries 54
Mean 40.32
Std Dev 50.11


pull1D
Entries 54
Mean −0.02193
Std Dev 1.187


asym_sam2_correction_rms vs run
χ² / ndf 1891 / 53
p0 7536 ± 7.316
8200
8000
7800
7600
7400
7200
7000
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
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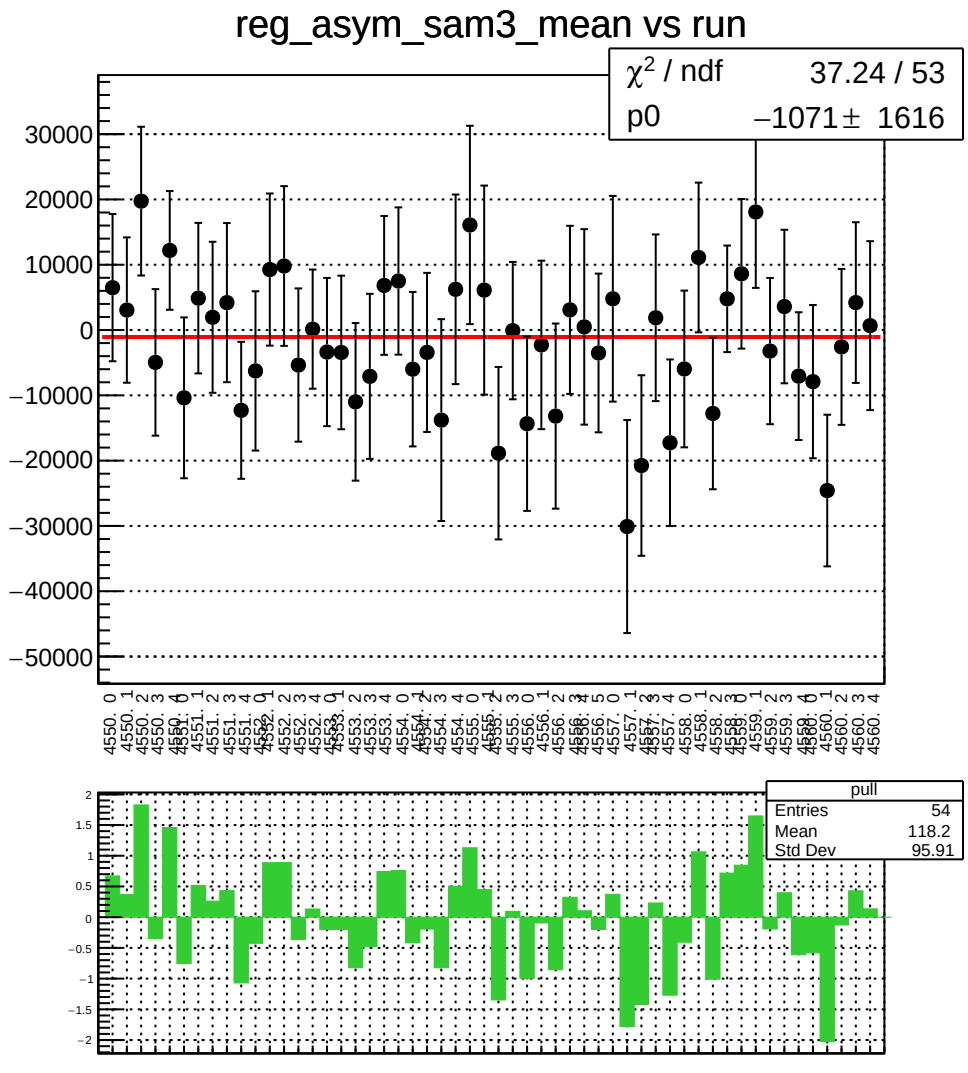
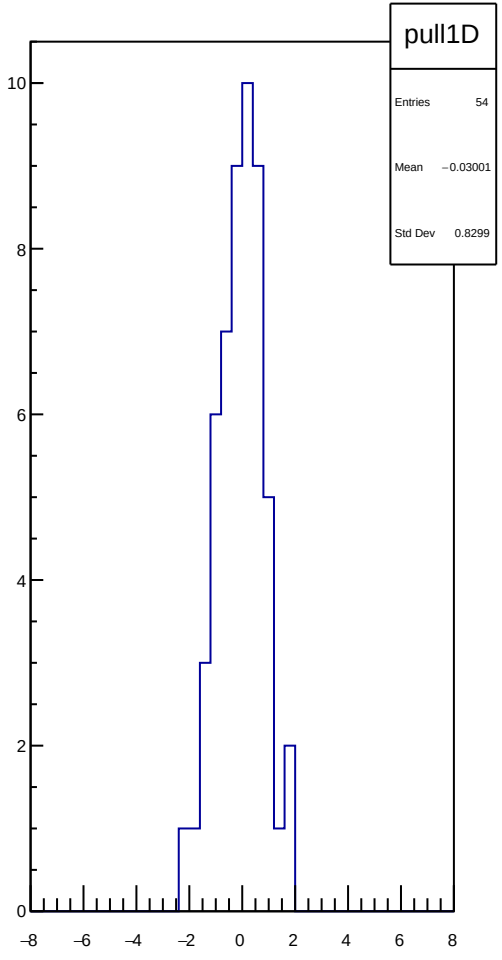
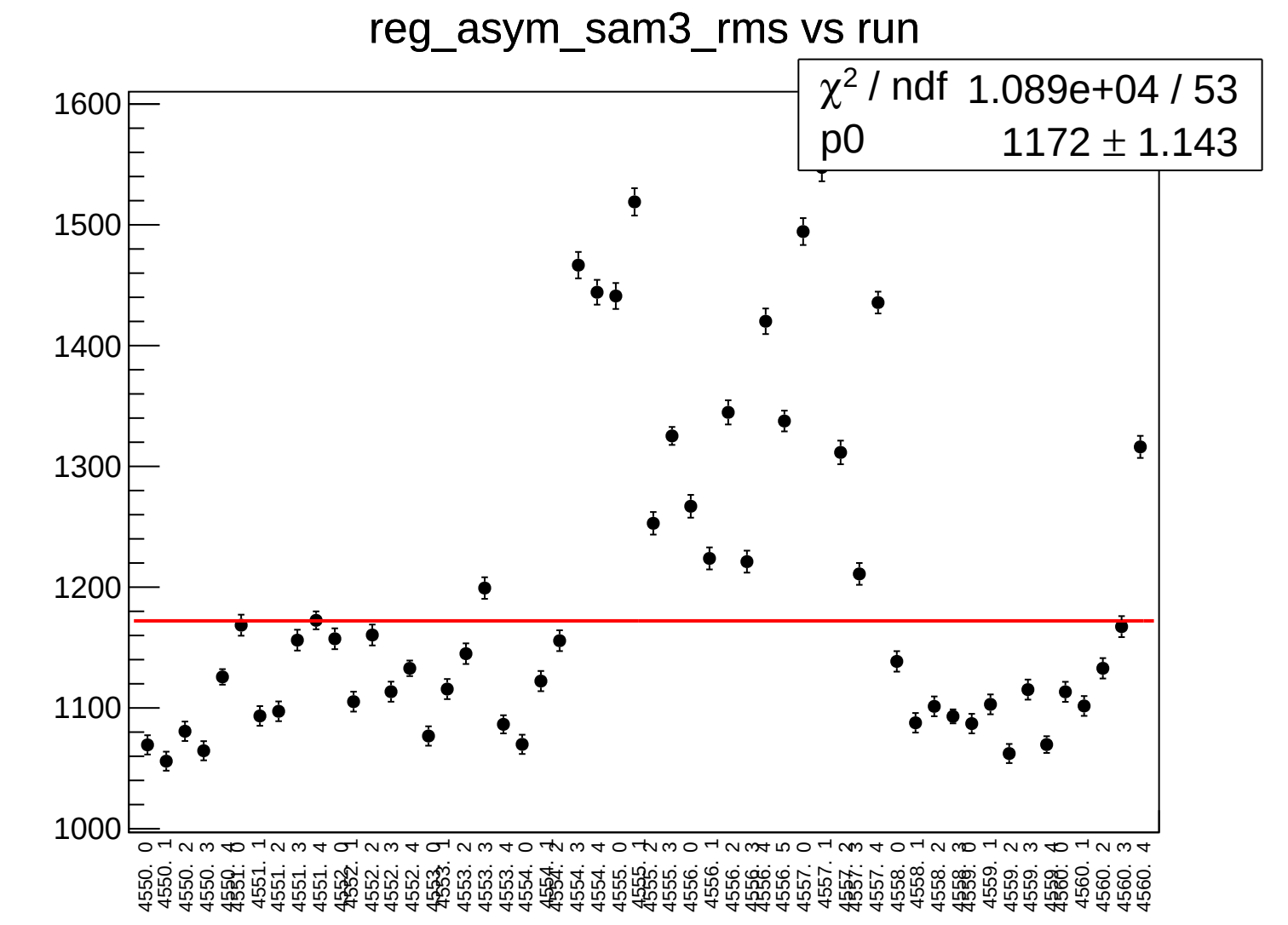
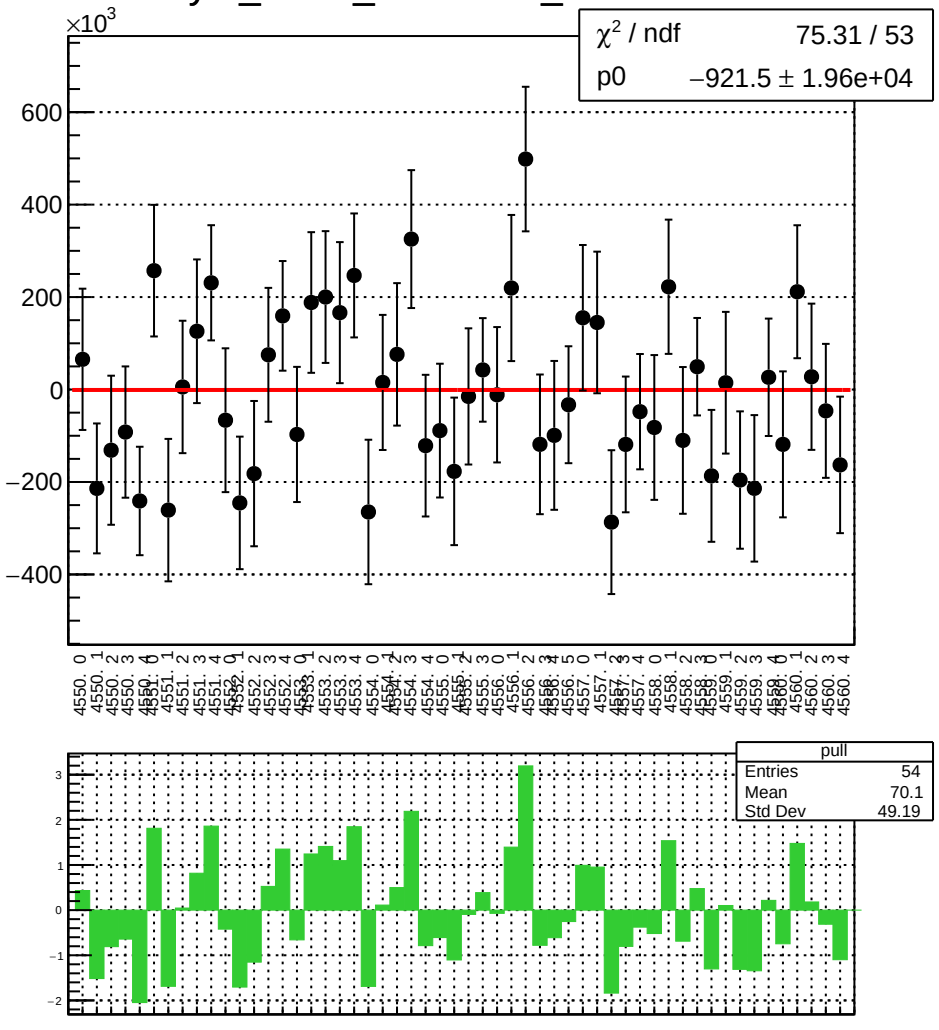
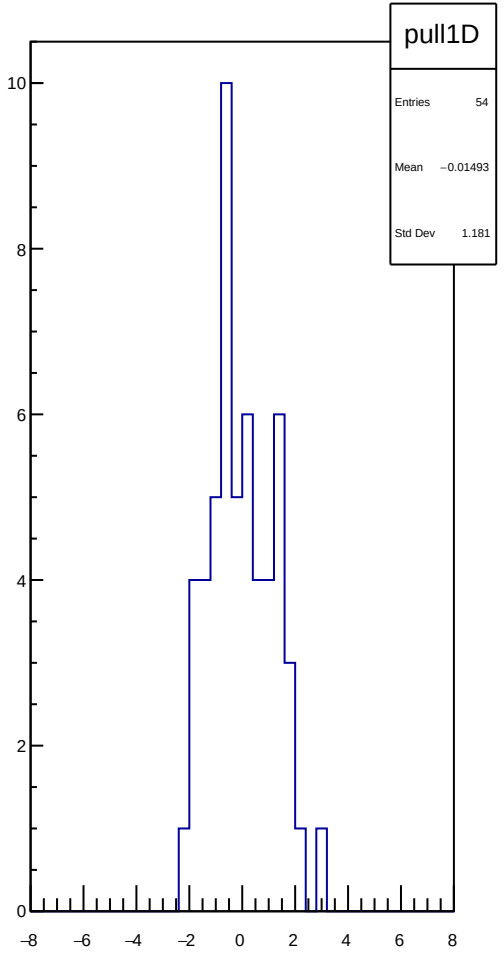
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

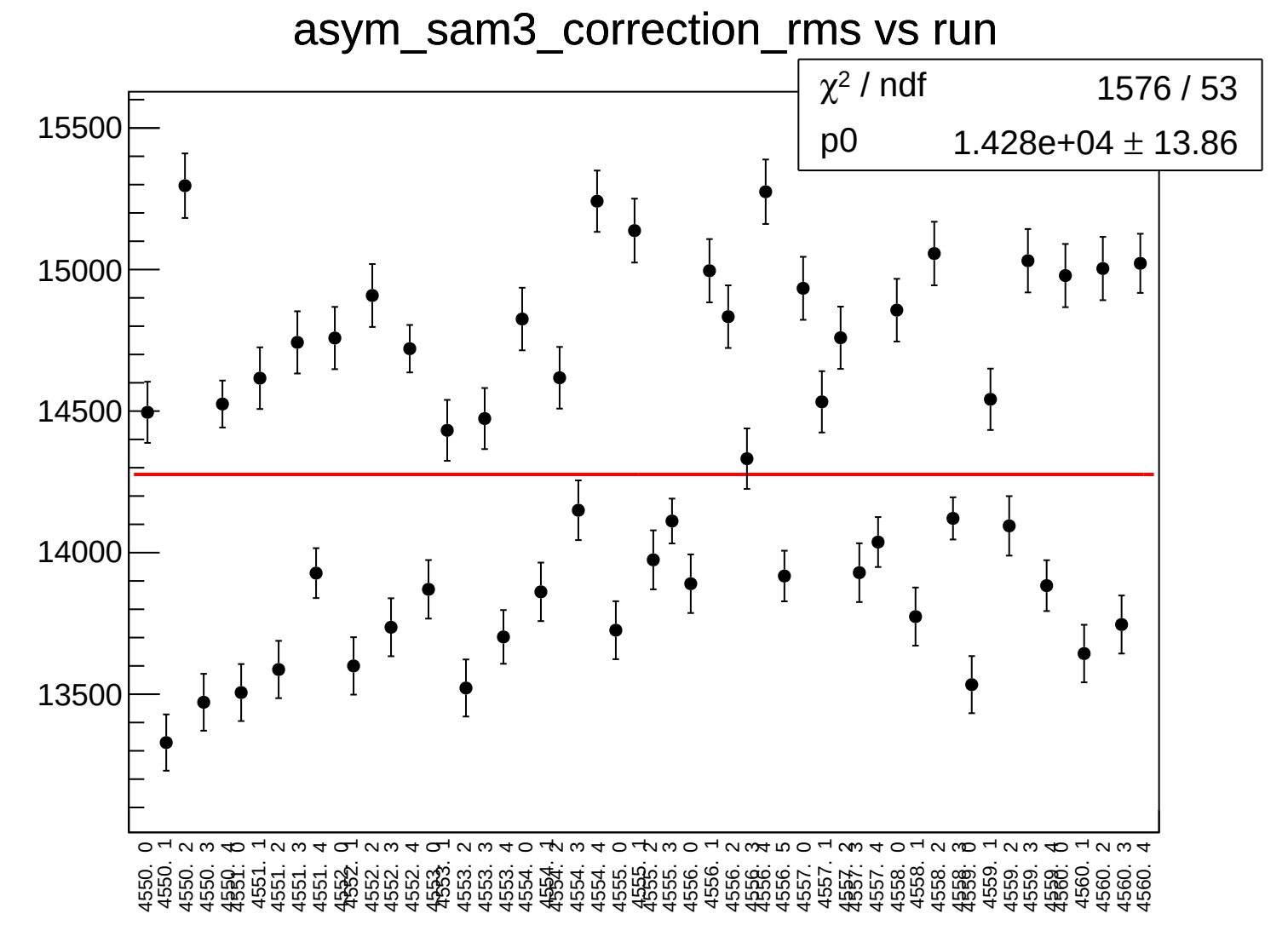

reg_asym_sam3_mean vs run
χ² / ndf 37.24 / 53
p0 −1071 ± 1616
pull
Entries 54
Mean 118.2
Std Dev 95.91

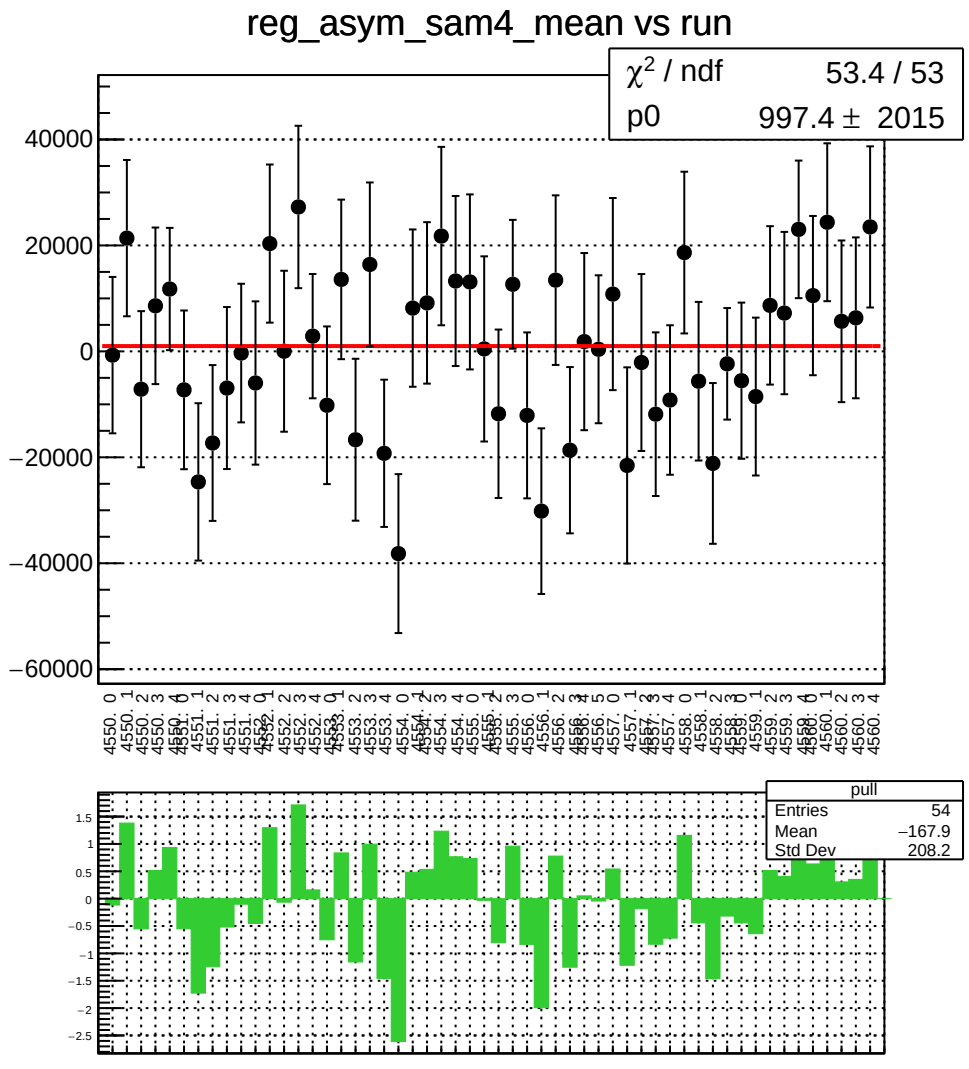

pull1D
Entries 54
Mean −0.03001
Std Dev 0.8299

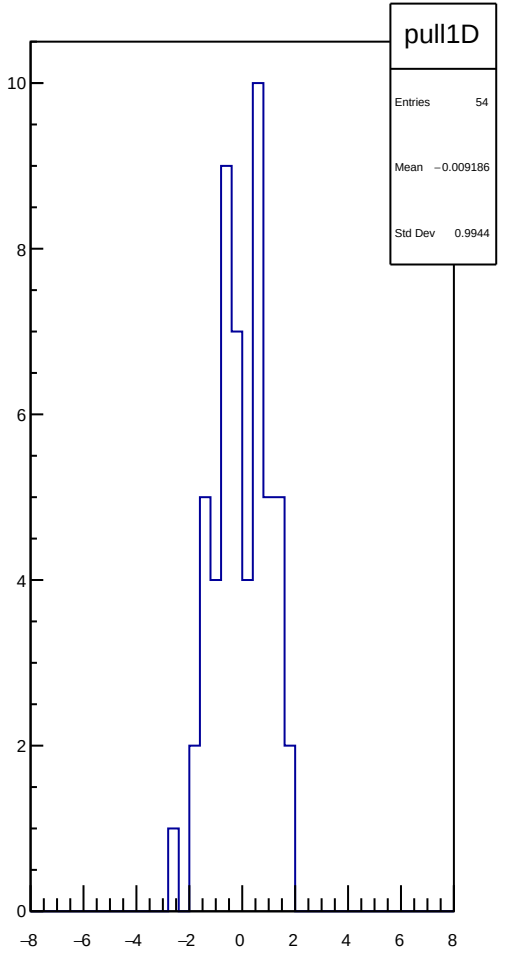

reg_asym_sam3_rms vs run
χ² / ndf 1.089e+04 / 53
p0 1172 ± 1.143
1600
1500
1400
1300
1200
1100
1000
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 1
4559. 2
4559. 3
4559. 4
4560. 1
4560. 2
4560. 3
4560. 4

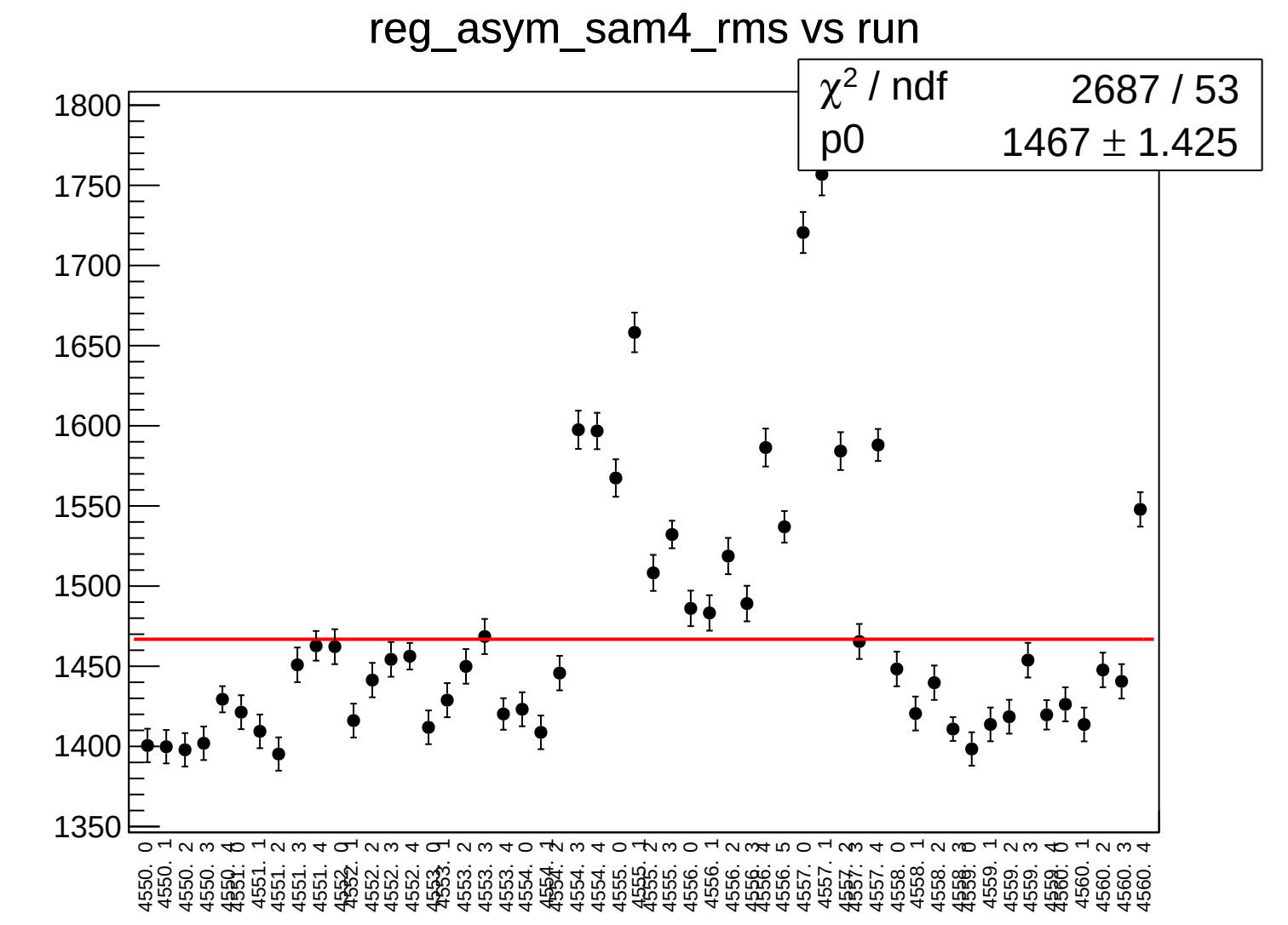

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 75.31 / 53
p0 −921.5 ± 1.96e+04
600
400
200
0
−200
−400
pull
Entries 54
Mean 70.1
Std Dev 49.19
3
2
1
0
−1
−2

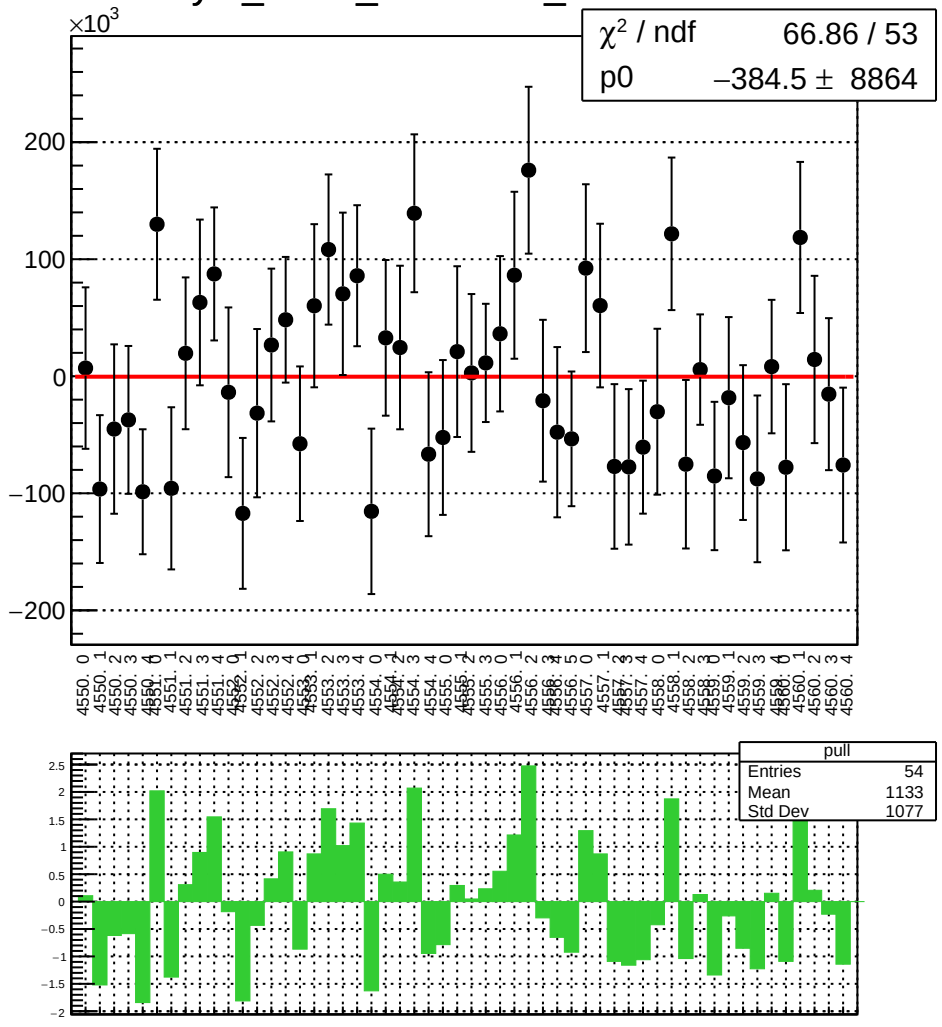

pull1D
Entries 54
Mean −0.01493
Std Dev 1.181
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

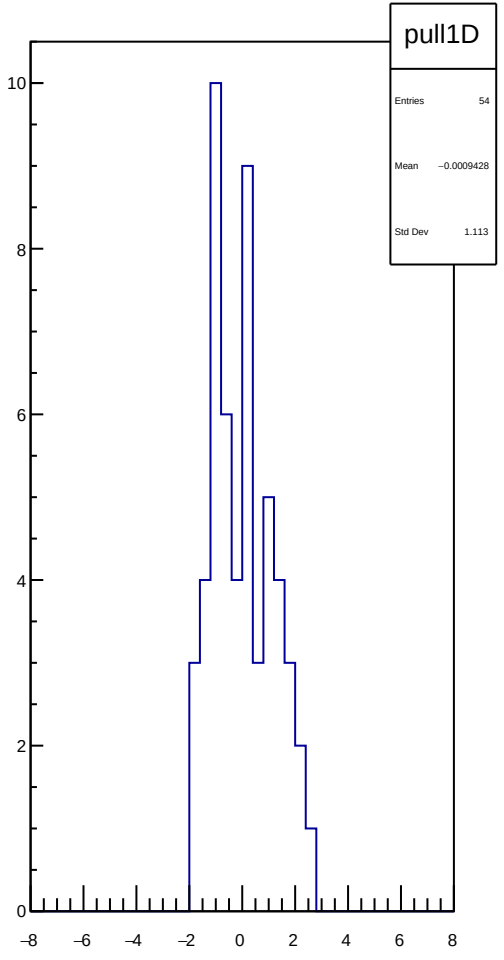

asym_sam3_correction_rms vs run
χ² / ndf 1576 / 53
p0 1.428e+04 ± 13.86
15500
15000
14500
14000
13500
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

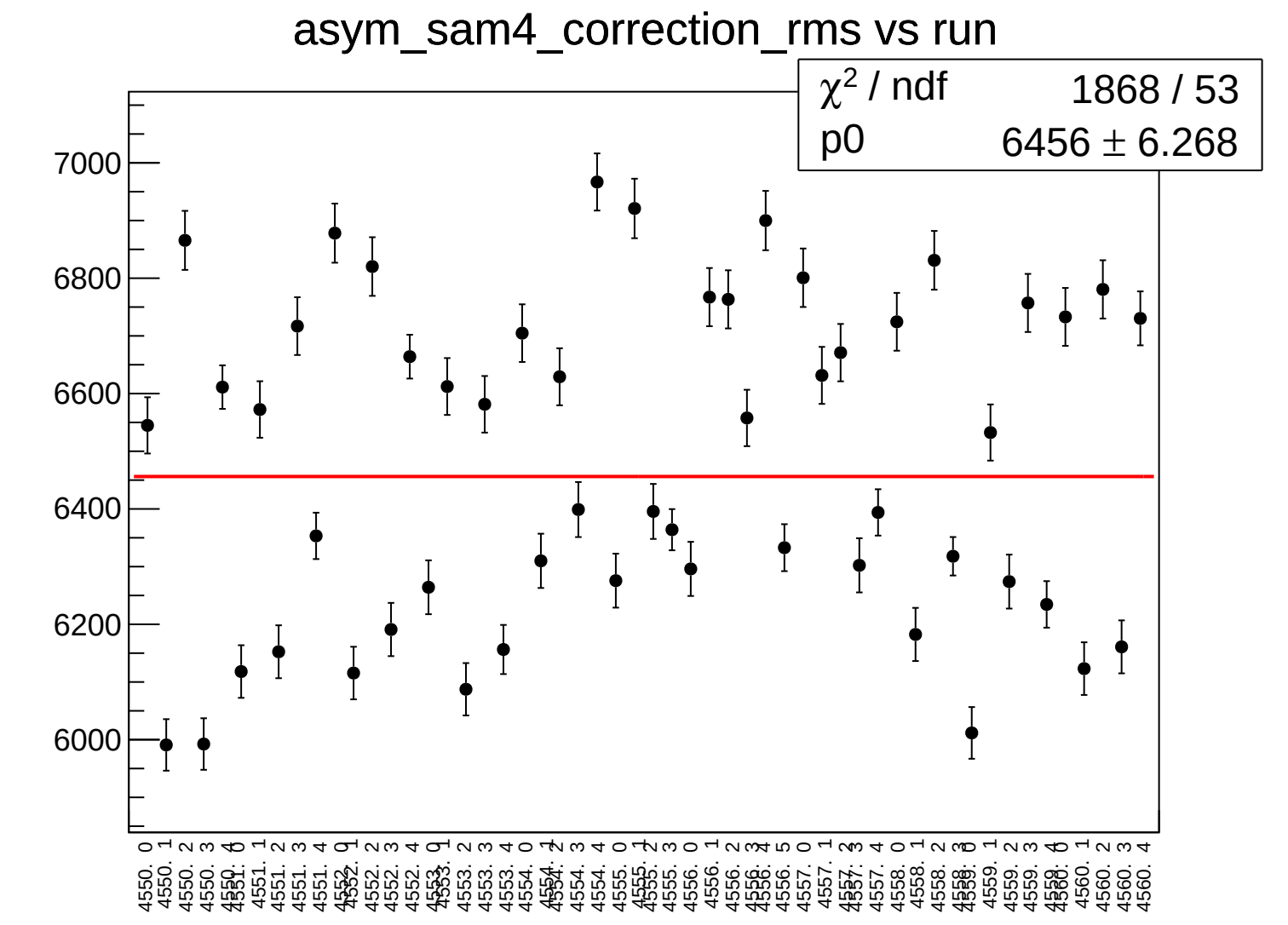

reg_asym_sam4_mean vs run
χ² / ndf 53.4 / 53
p0 997.4 ± 2015
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −167.9
Std Dev 208.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

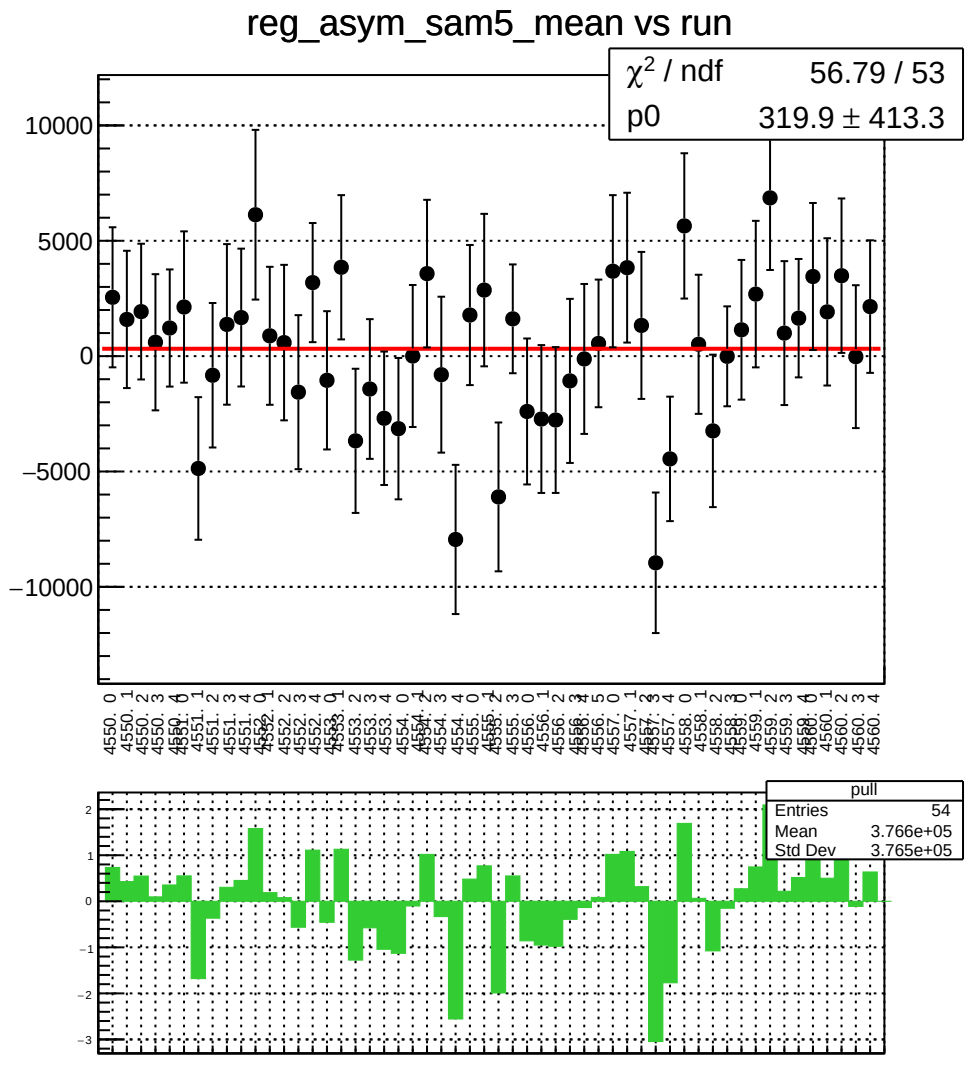

pull1D
Entries 54
Mean −0.009186
Std Dev 0.9944
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

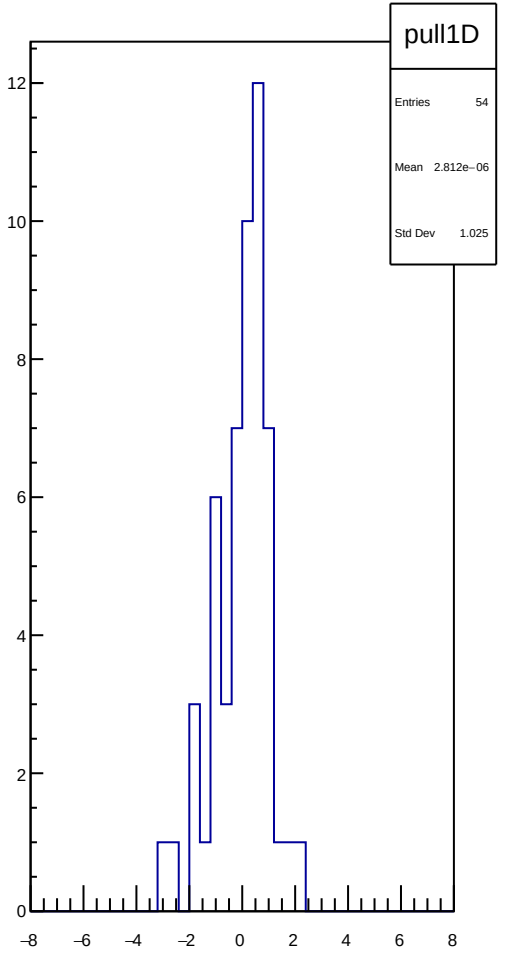

reg_asym_sam4_rms vs run
χ² / ndf 2687 / 53
p0 1467 ± 1.425
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

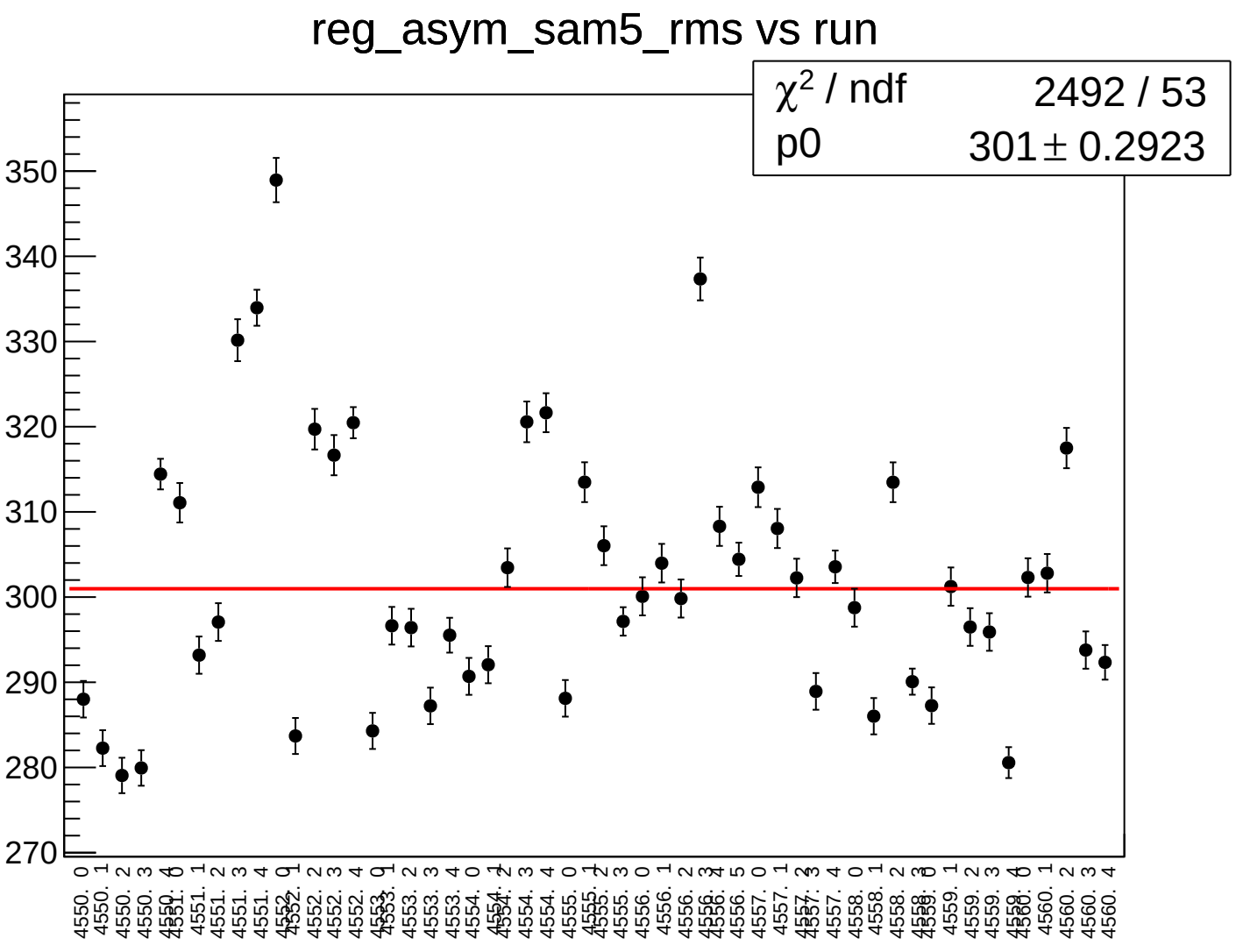

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 66.86 / 53
p0 −384.5 ± 8864
200
100
0
−100
−200
pull
Entries 54
Mean 1133
Std Dev 1077
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

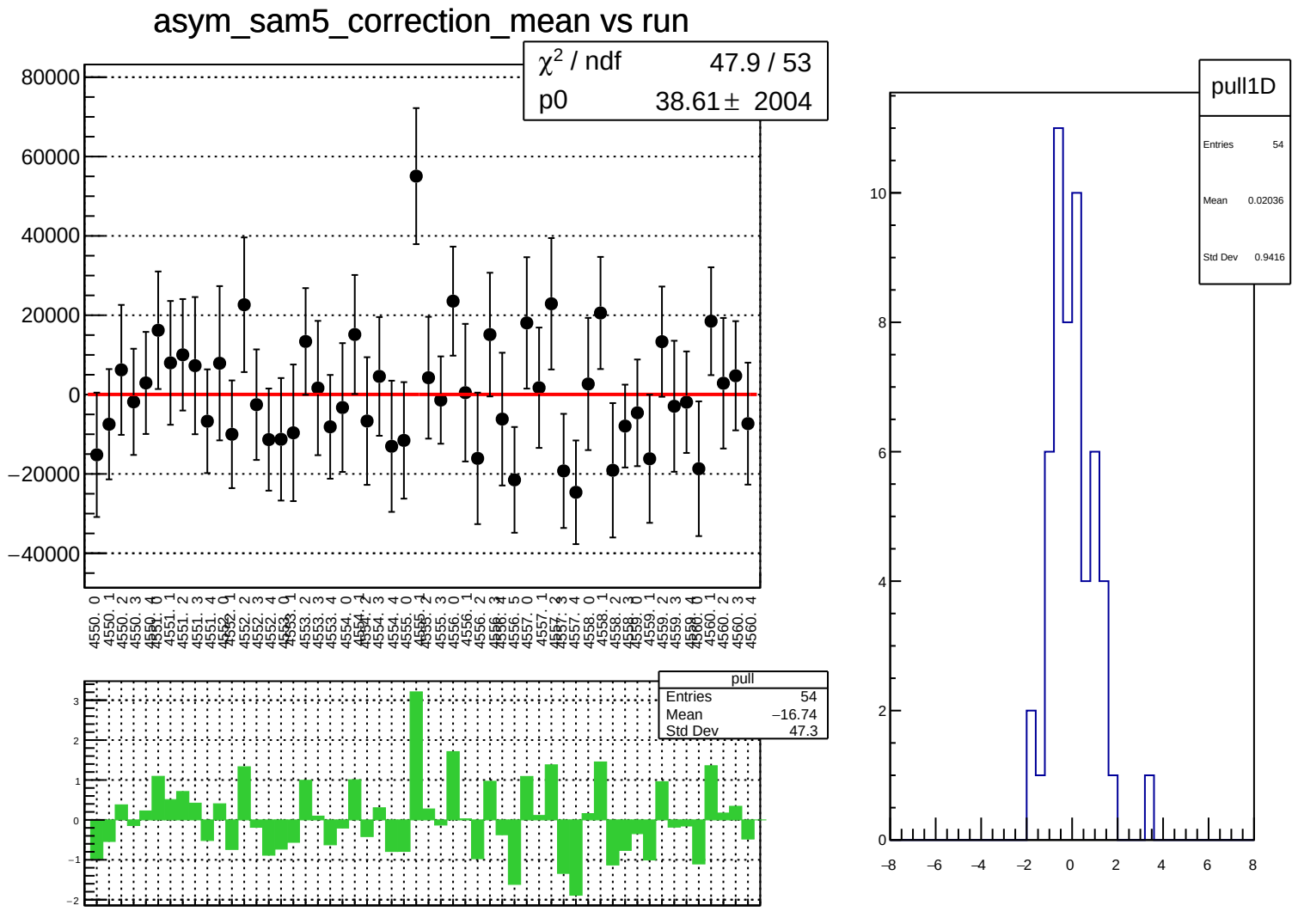

pull1D
Entries 54
Mean −0.0009428
Std Dev 1.113
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

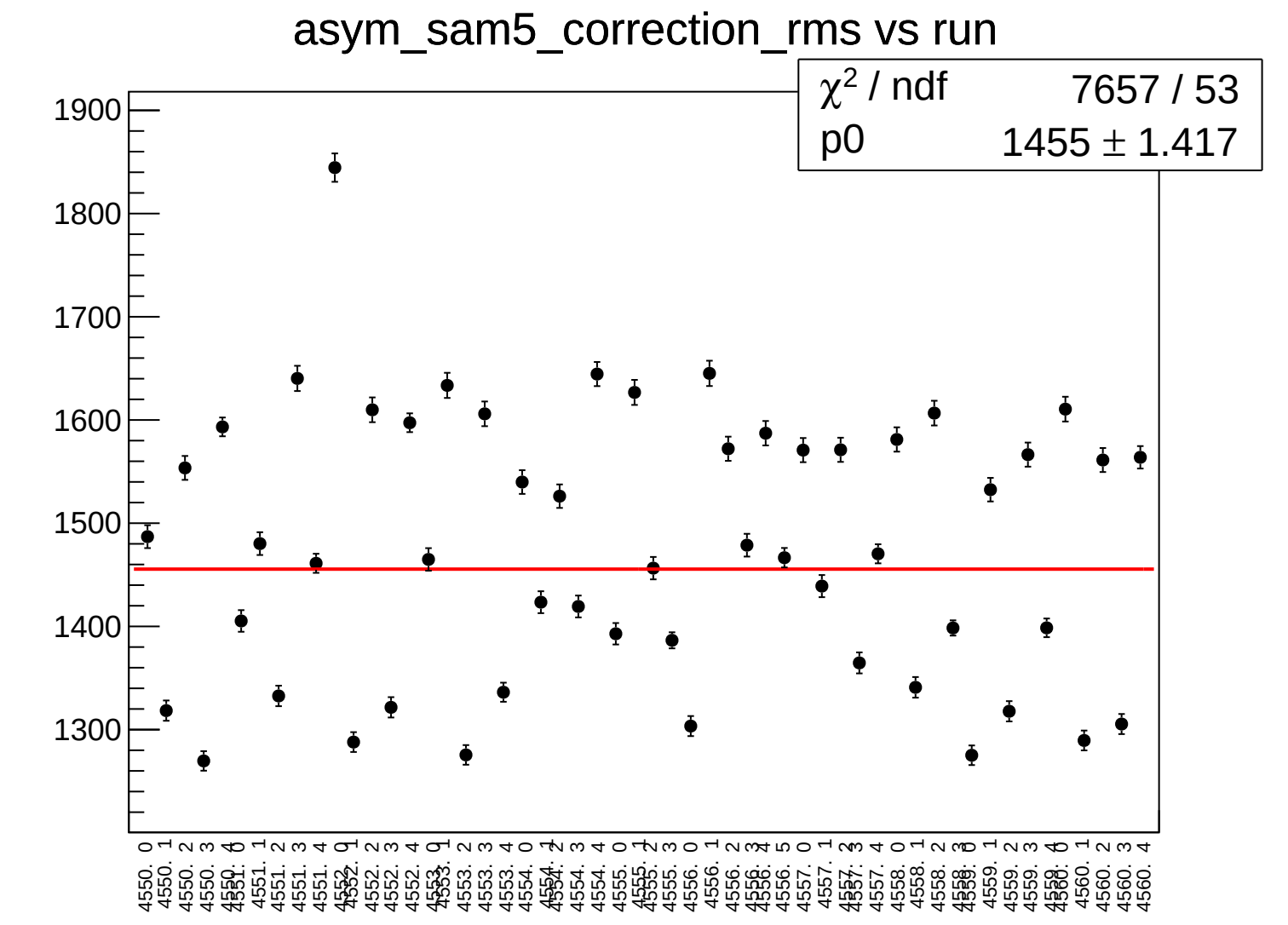

asym_sam4_correction_rms vs run
χ² / ndf 1868 / 53
p0 6456 ± 6.268
7000
6800
6600
6400
6200
6000
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

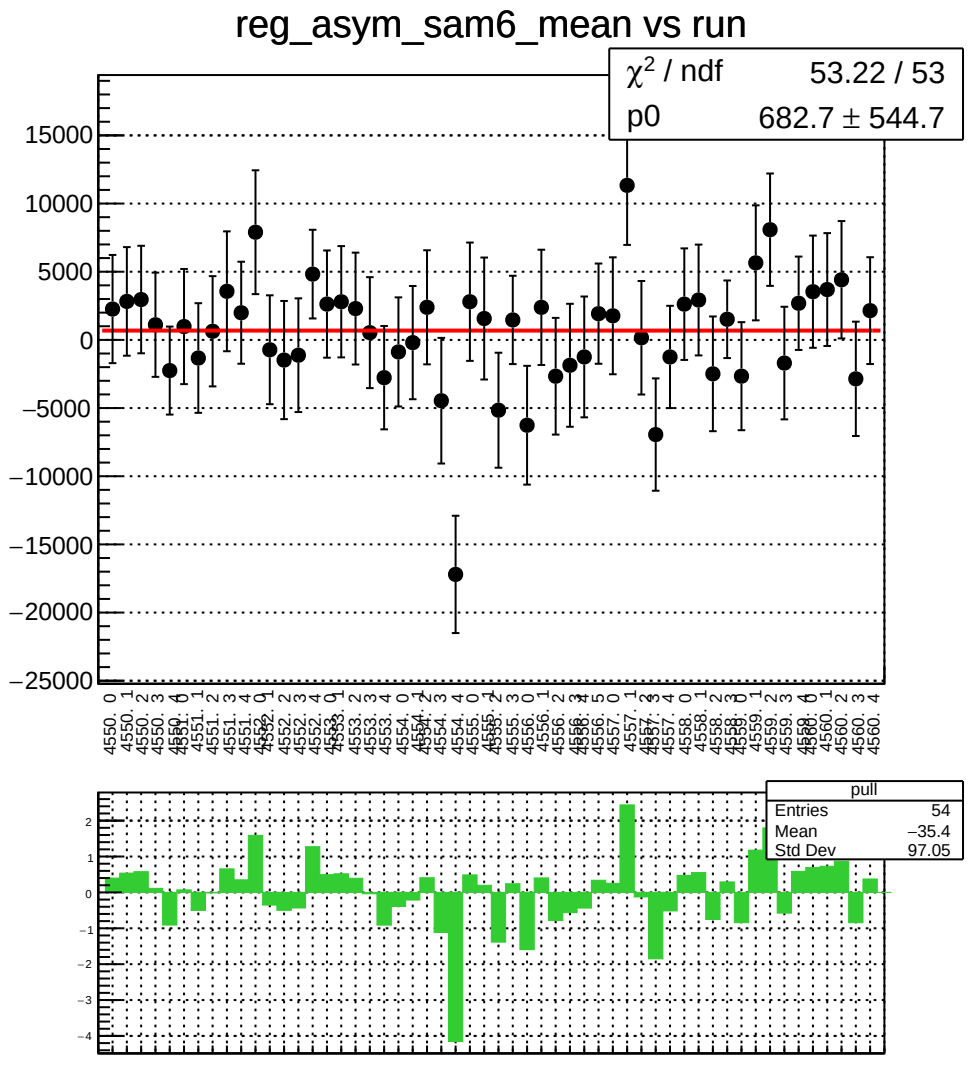

reg_asym_sam5_mean vs run
χ² / ndf 56.79 / 53
p0 319.9 ± 413.3
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 3.766e+05
Std Dev 3.765e+05
2
1
0
−1
−2
−3

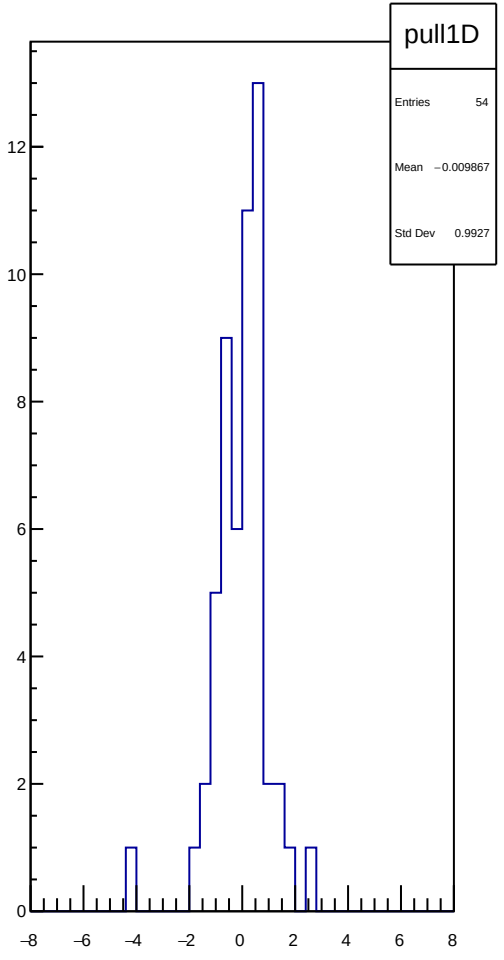

pull1D
Entries 54
Mean 2.812e−06
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

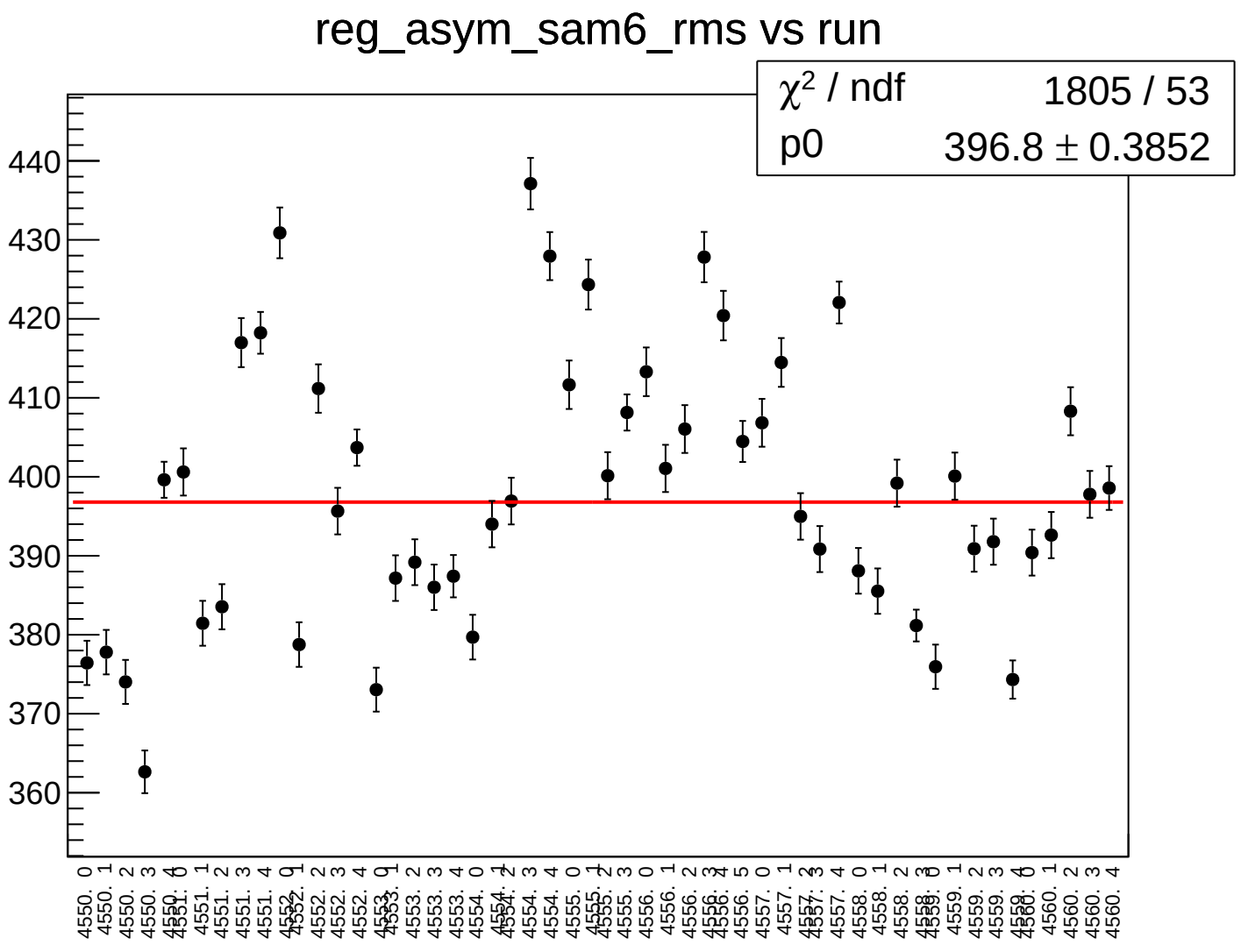

reg_asym_sam5_rms vs run
χ² / ndf 2492 / 53
p0 301 ± 0.2923
350
340
330
320
310
300
290
280
270

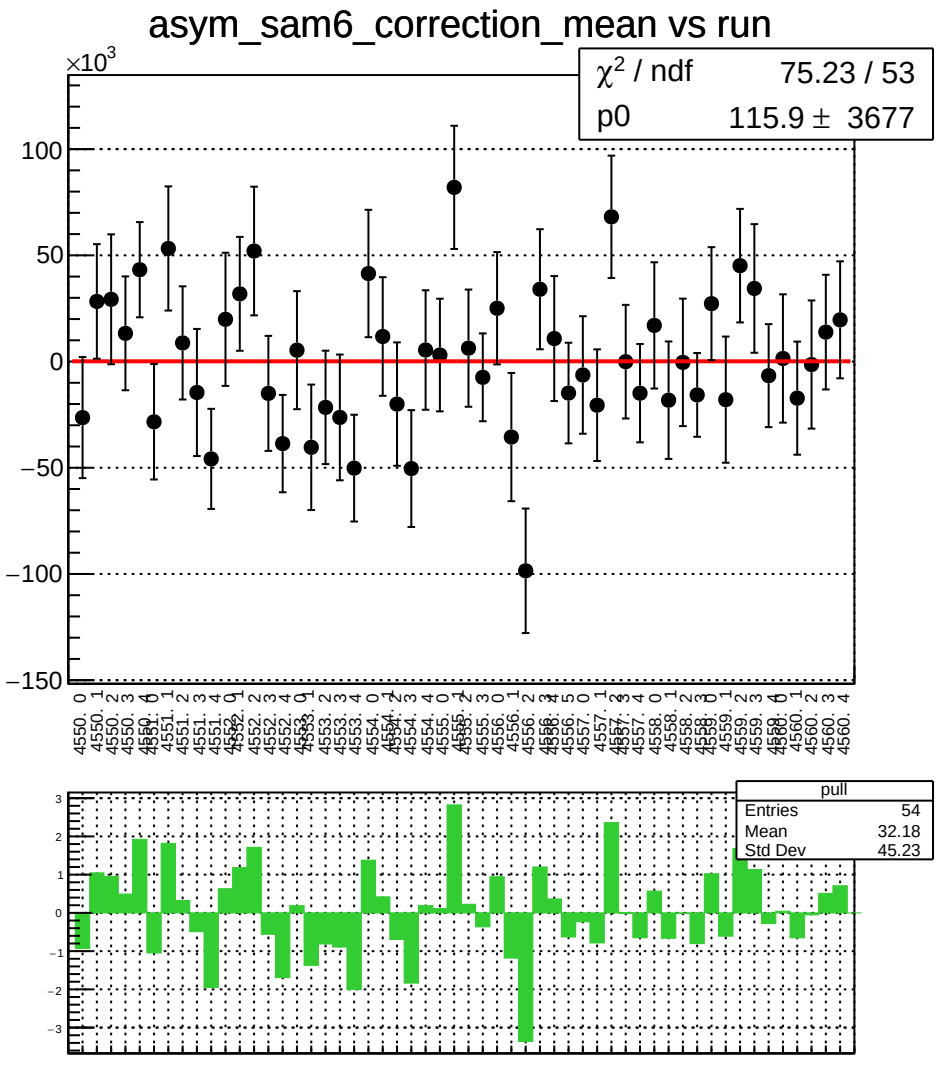

asym_sam5_correction_mean vs run
χ² / ndf 47.9 / 53
p0 38.61 ± 2004
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −16.74
Std Dev 47.3
3
2
1
0
−1
−2
pull1D
Entries 54
Mean 0.02036
Std Dev 0.9416
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

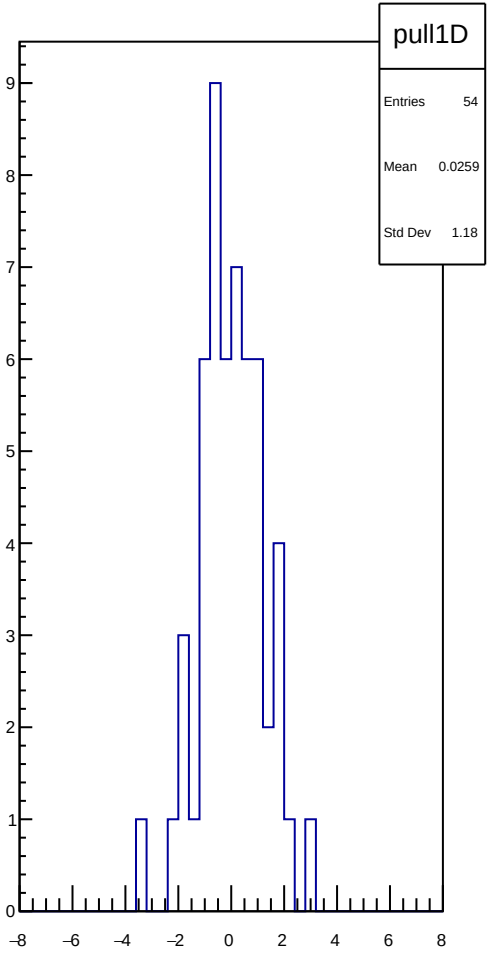

asym_sam5_correction_rms vs run
χ² / ndf 7657 / 53
p0 1455 ± 1.417
1900
1800
1700
1600
1500
1400
1300

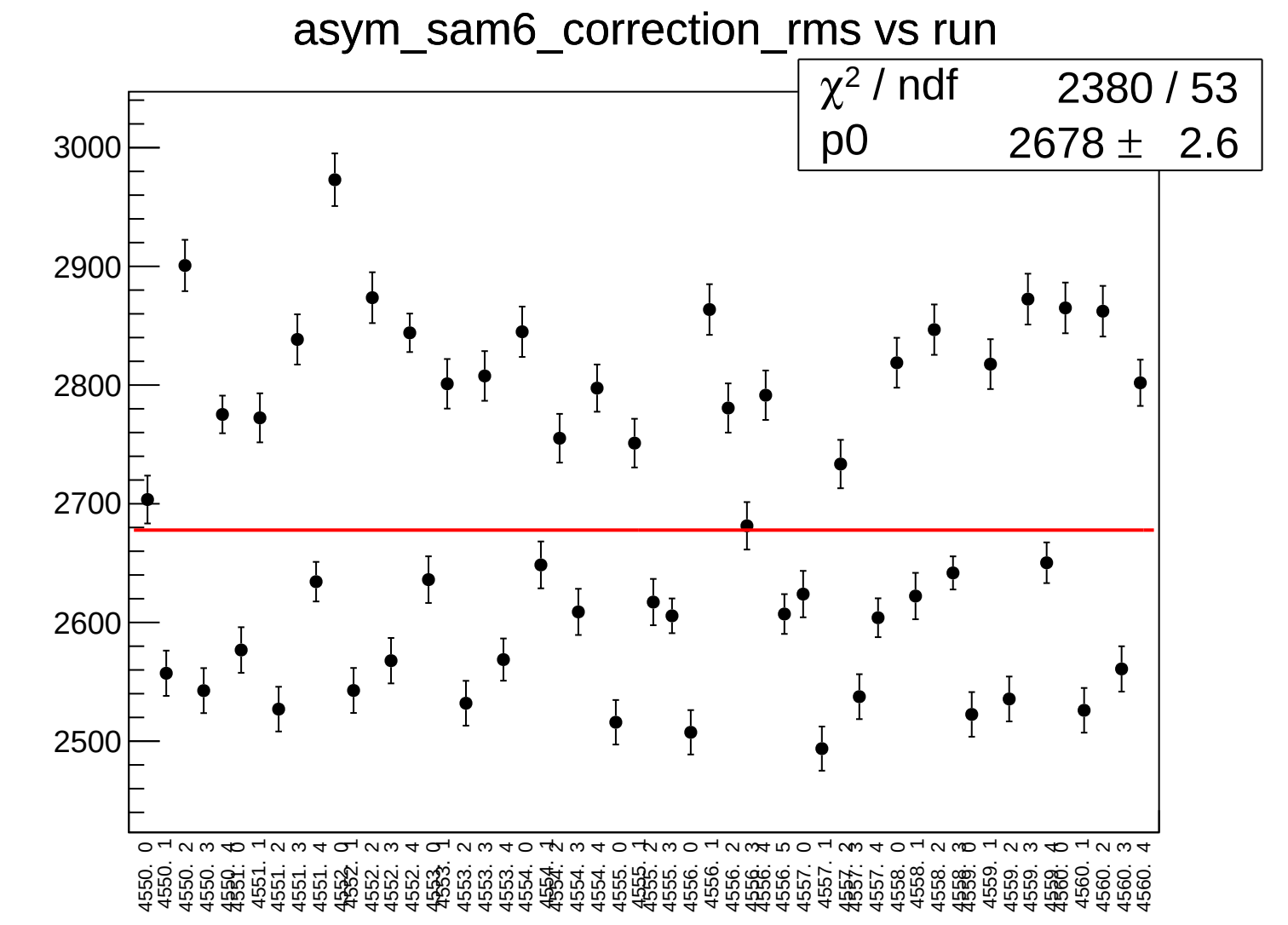

reg_asym_sam6_mean vs run
χ² / ndf 53.22 / 53
p0 682.7 ± 544.7
pull
Entries 54
Mean −35.4
Std Dev 97.05


pull1D
Entries 54
Mean −0.009867
Std Dev 0.9927


reg_asym_sam6_rms vs run
χ² / ndf 1805 / 53
p0 396.8 ± 0.3852
440
430
420
410
400
390
380
370
360
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


asym_sam6_correction_mean vs run
×10^3
χ² / ndf 75.23 / 53
p0 115.9 ± 3677
100
50
0
−50
−100
−150
pull
Entries 54
Mean 32.18
Std Dev 45.23
3
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.0259
Std Dev 1.18
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_correction_rms vs run
χ² / ndf 2380 / 53
p0 2678 ± 2.6
3000
2900
2800
2700
2600
2500
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
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4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
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4556. 2
4556. 3
4556. 4
4556. 5
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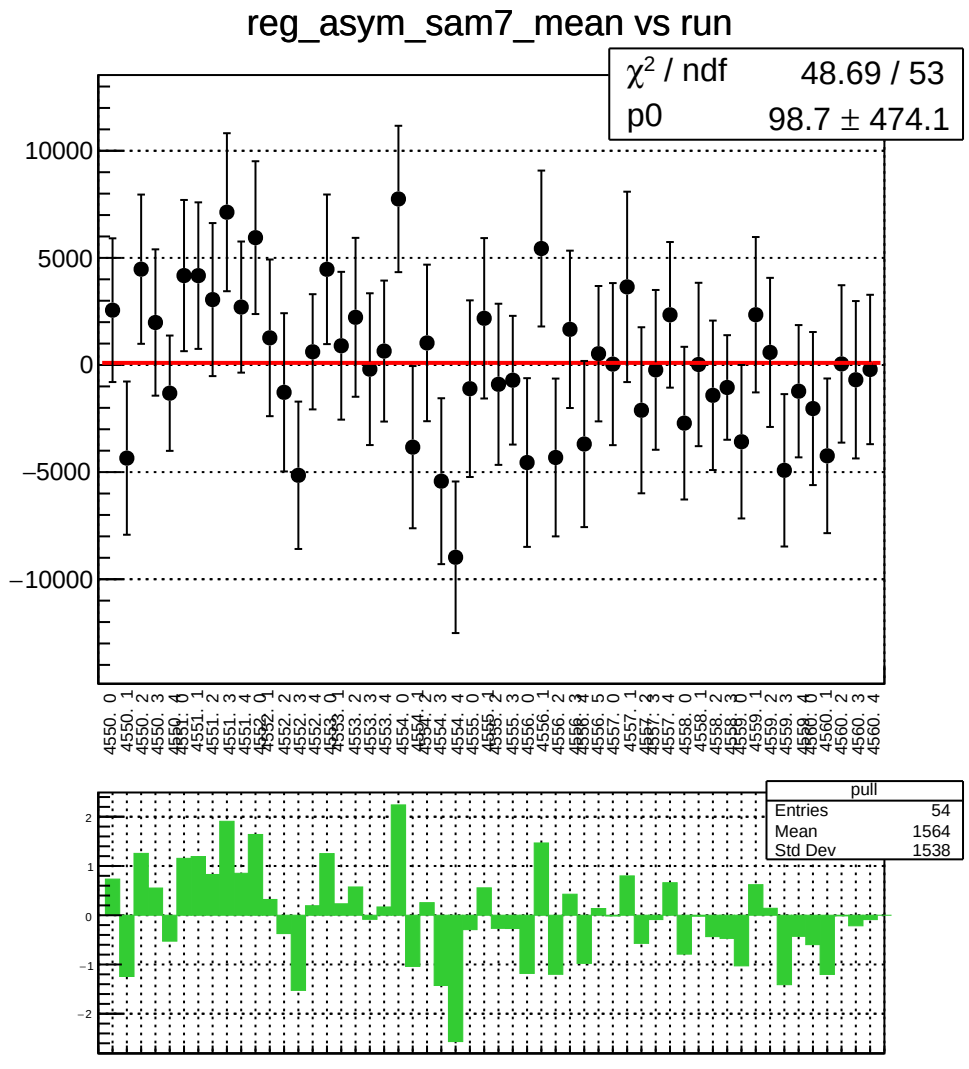
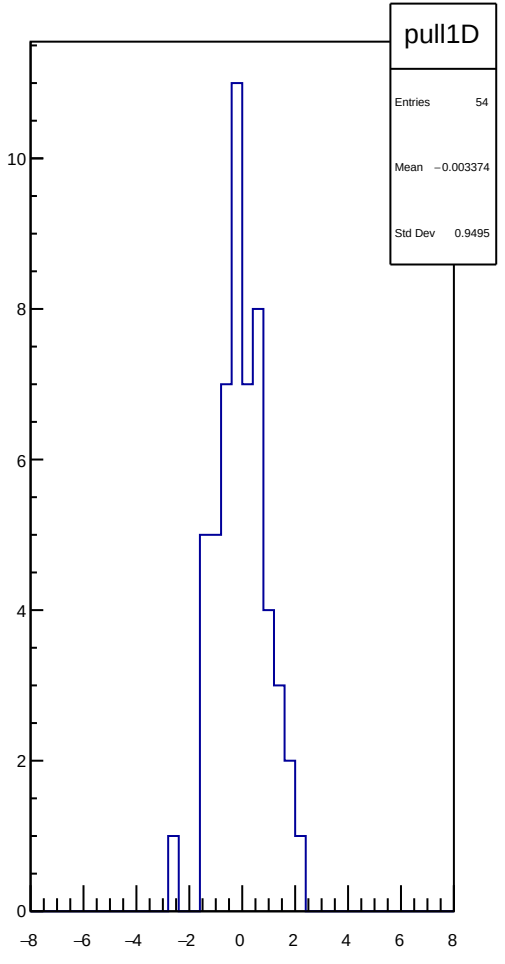
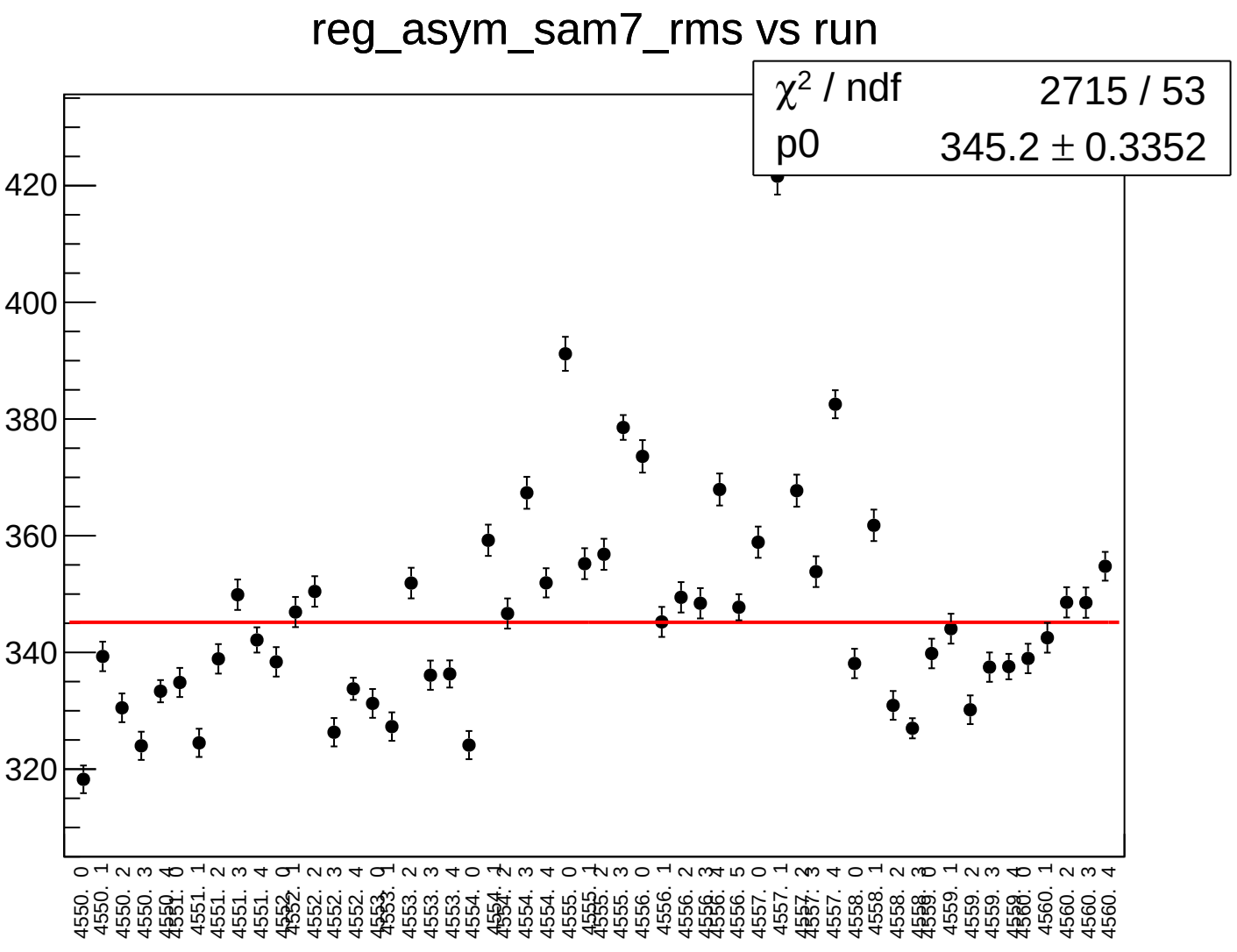
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


reg_asym_sam7_mean vs run
χ² / ndf 48.69 / 53
p0 98.7 ± 474.1
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 1564
Std Dev 1538
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.003374
Std Dev 0.9495
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam7_rms vs run
χ² / ndf 2715 / 53
p0 345.2 ± 0.3352
420
400
380
360
340
320
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
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4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
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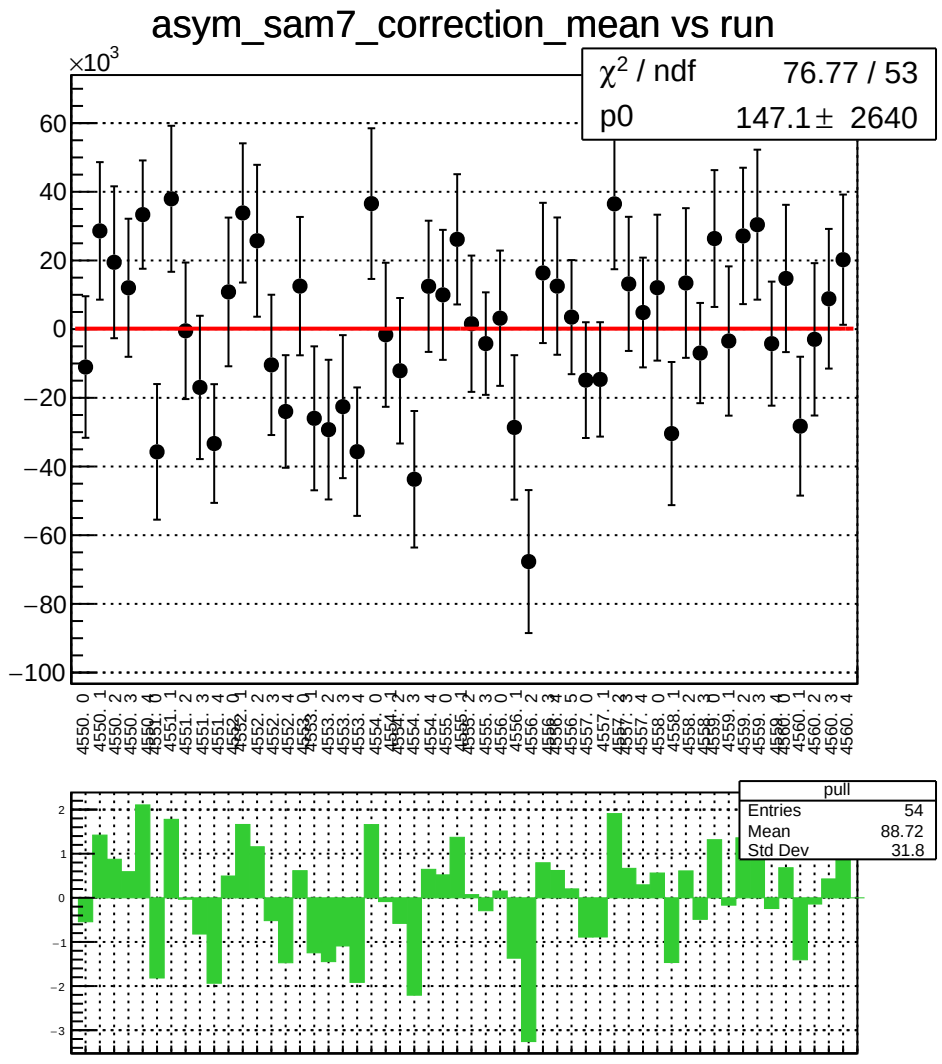
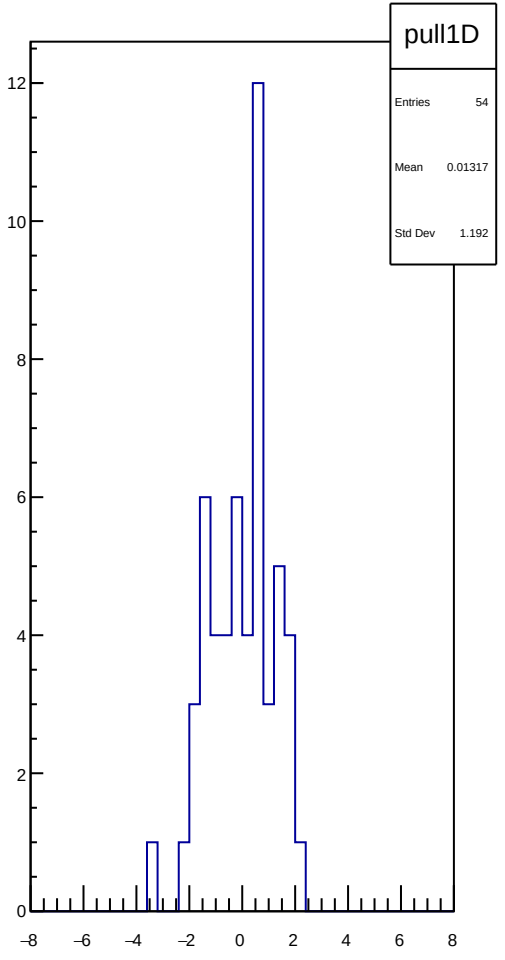
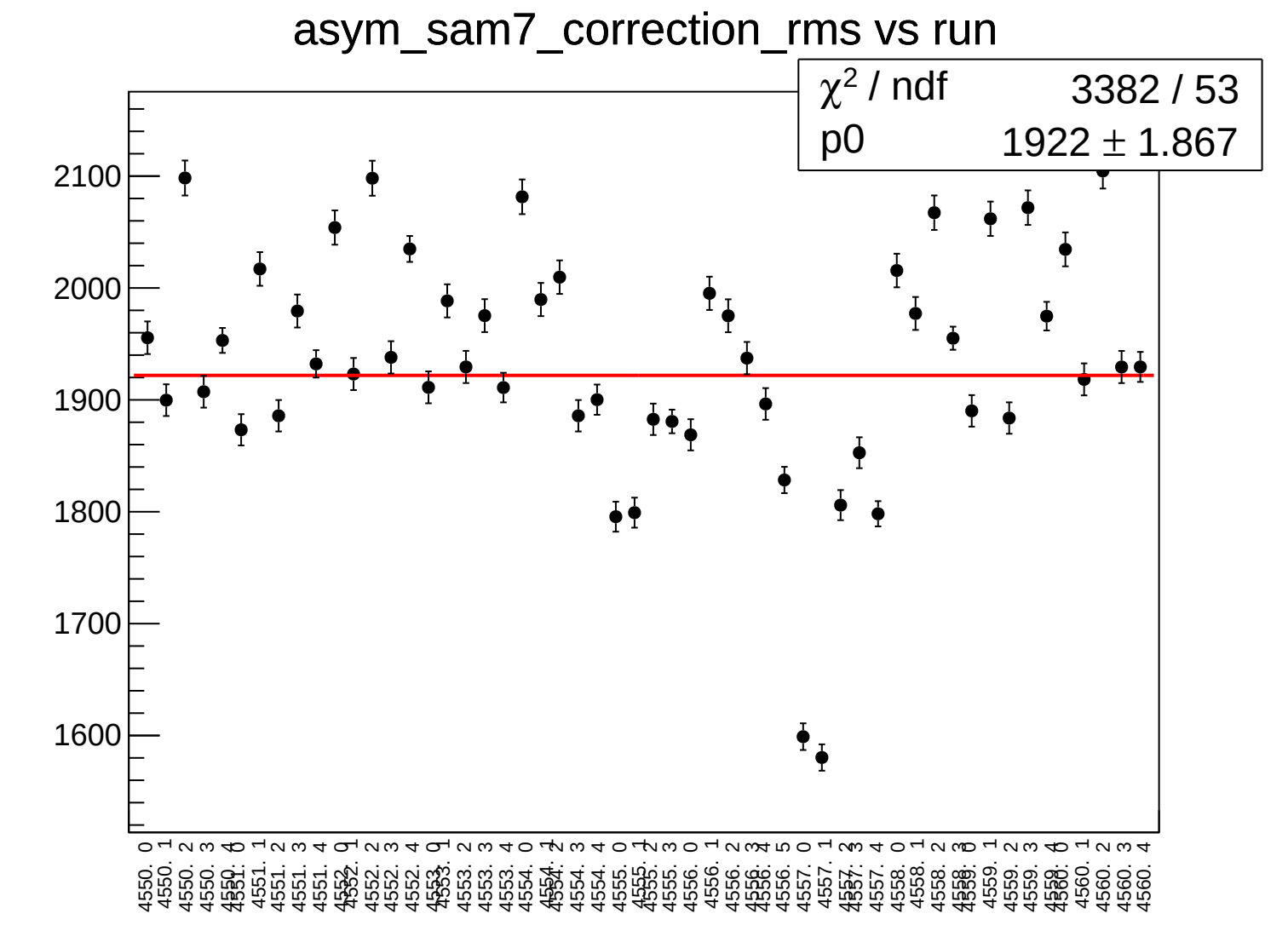
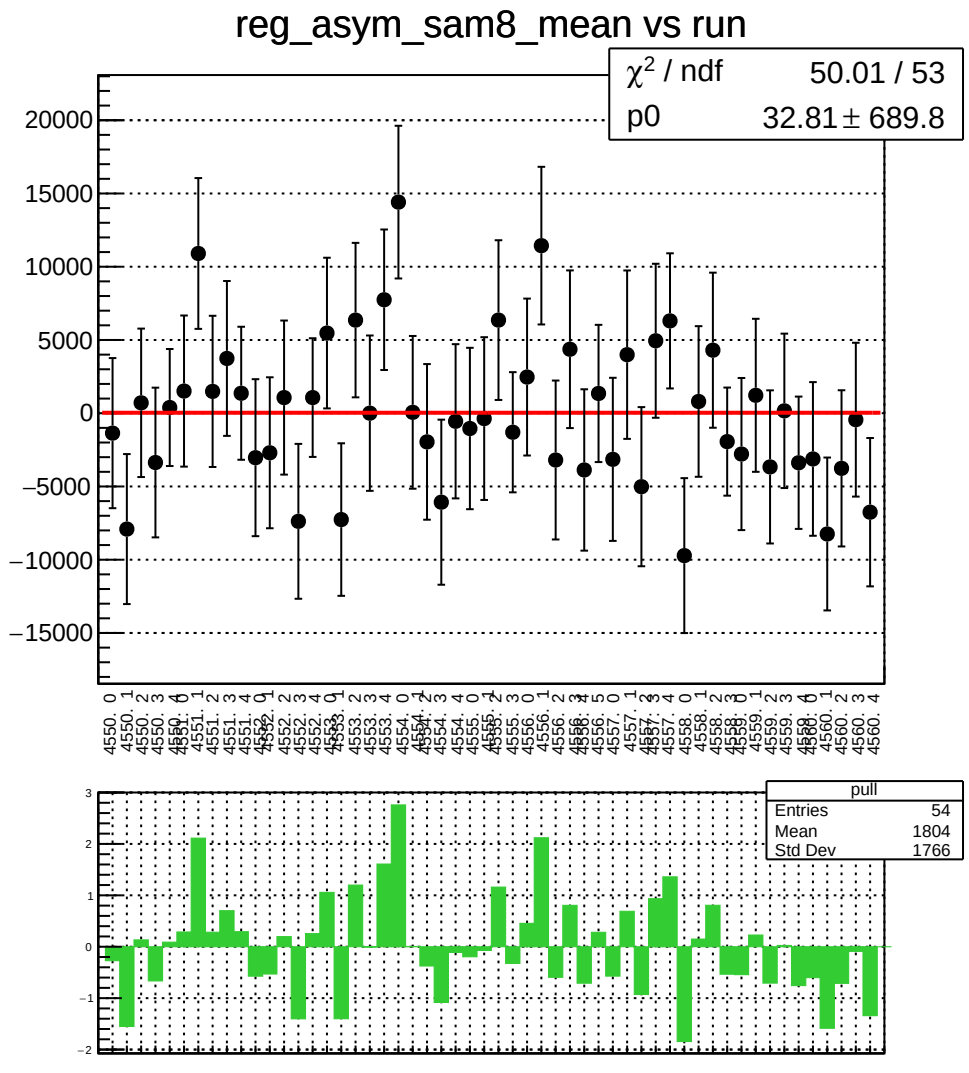
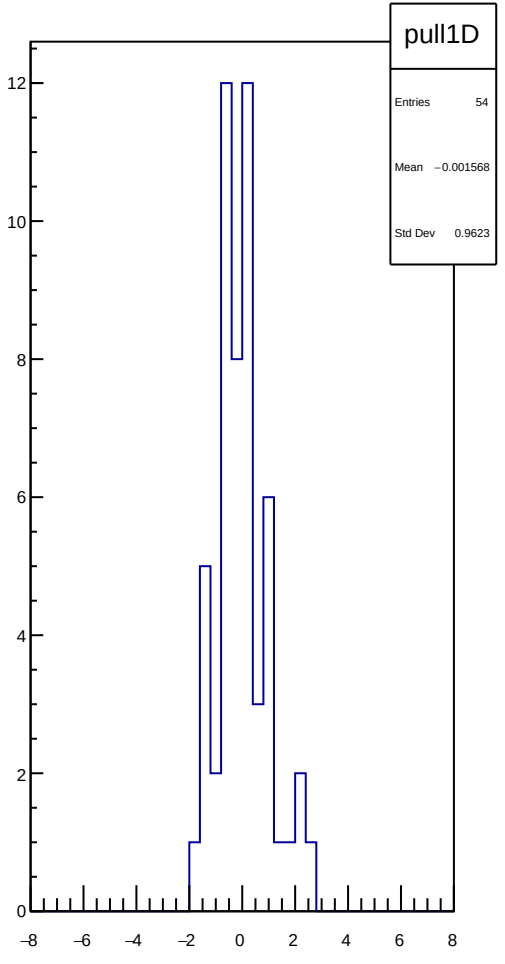
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

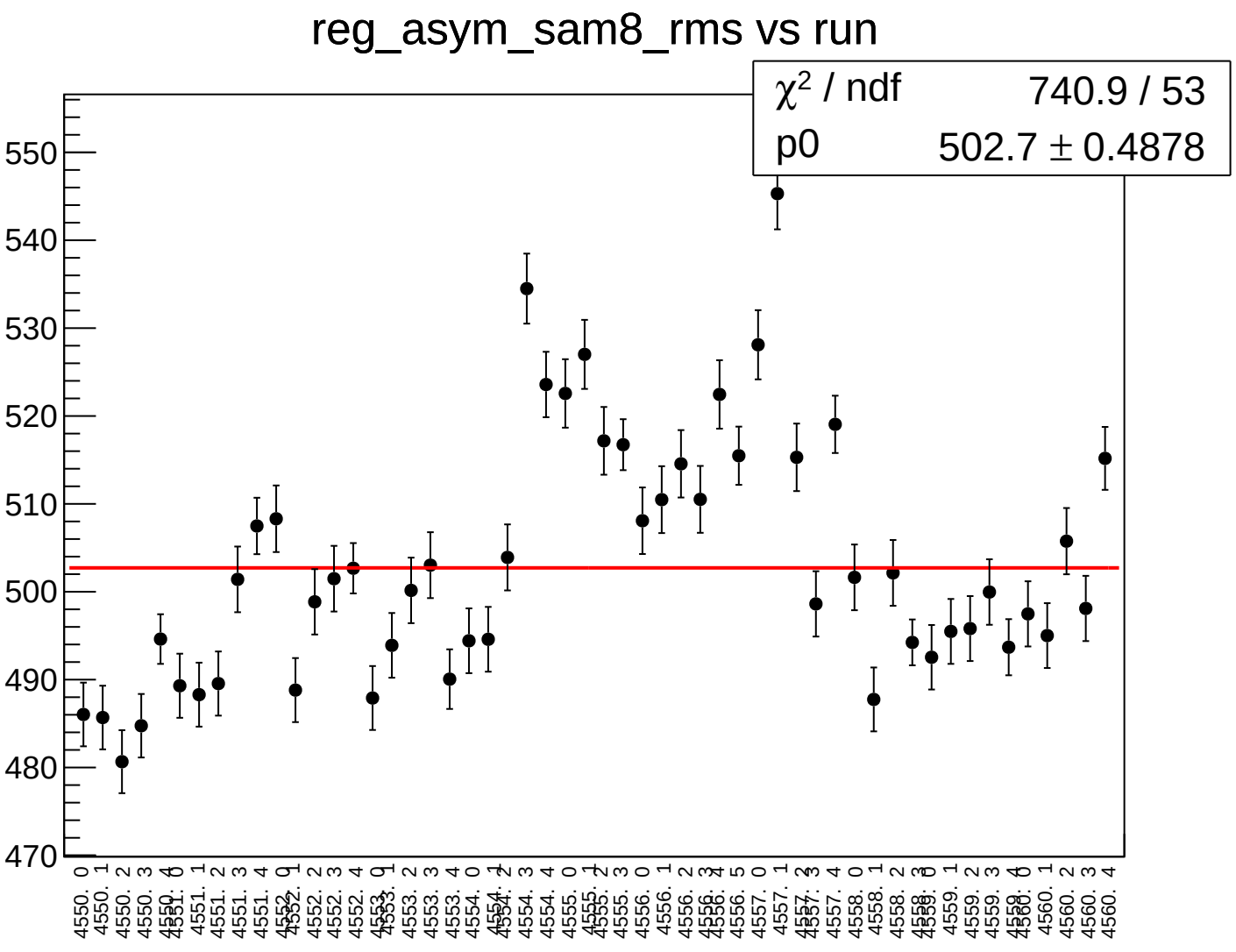

asym_sam7_correction_mean vs run
×10^3
χ² / ndf 76.77 / 53
p0 147.1 ± 2640
pull
Entries 54
Mean 88.72
Std Dev 31.8

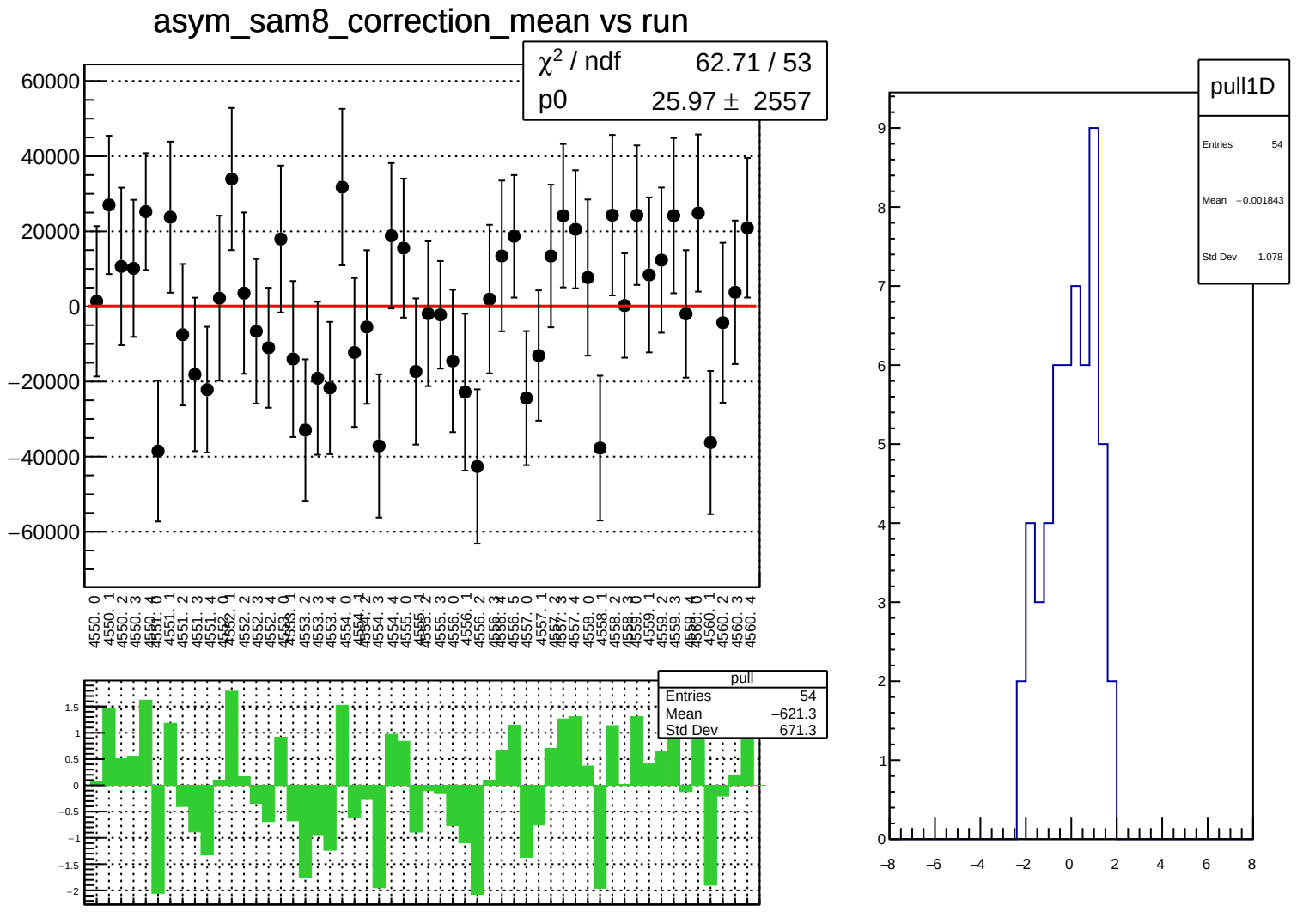

pull1D
Entries 54
Mean 0.01317
Std Dev 1.192

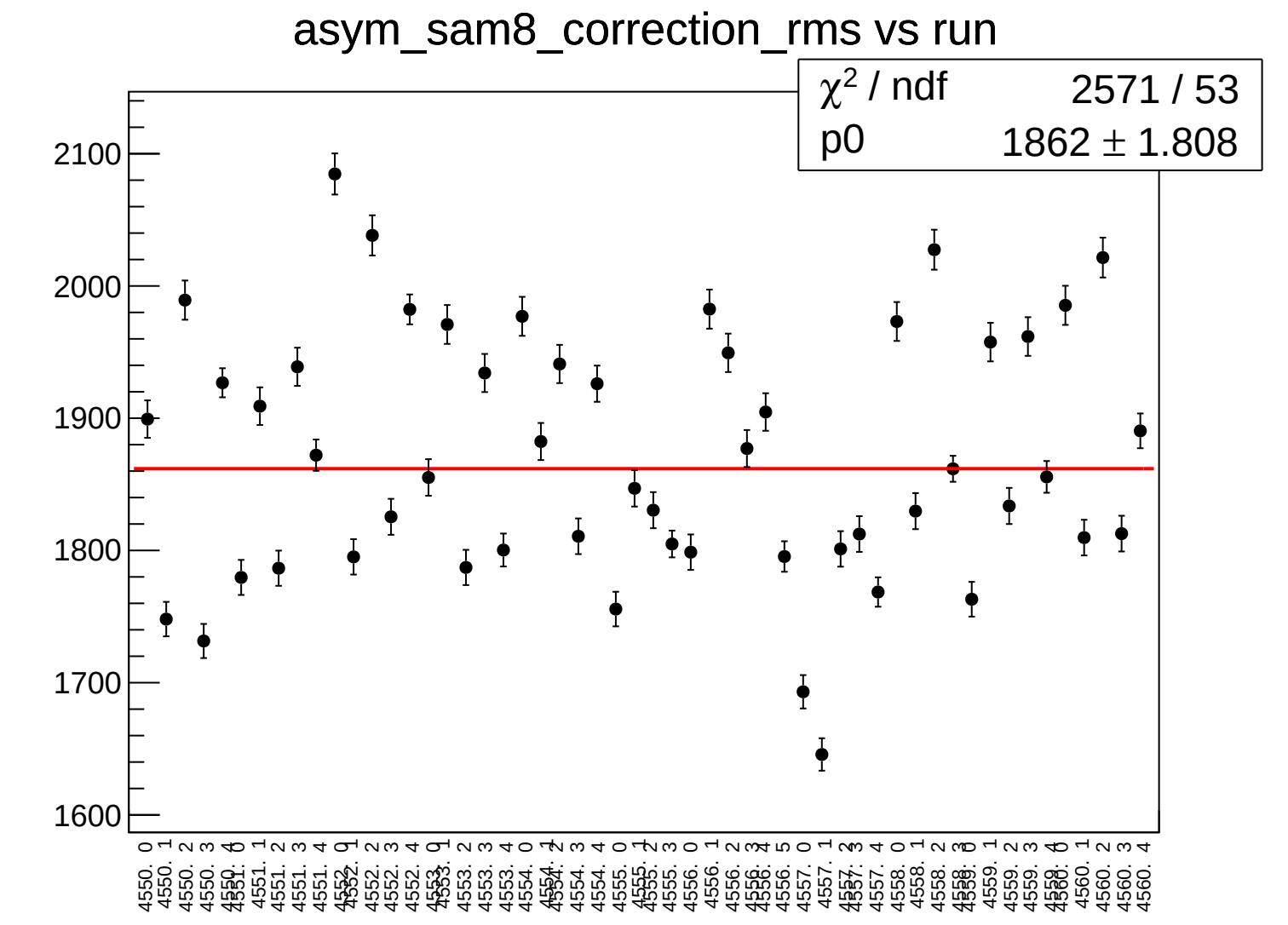

asym_sam7_correction_rms vs run
χ² / ndf 3382 / 53
p0 1922 ± 1.867
2100
2000
1900
1800
1700
1600
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

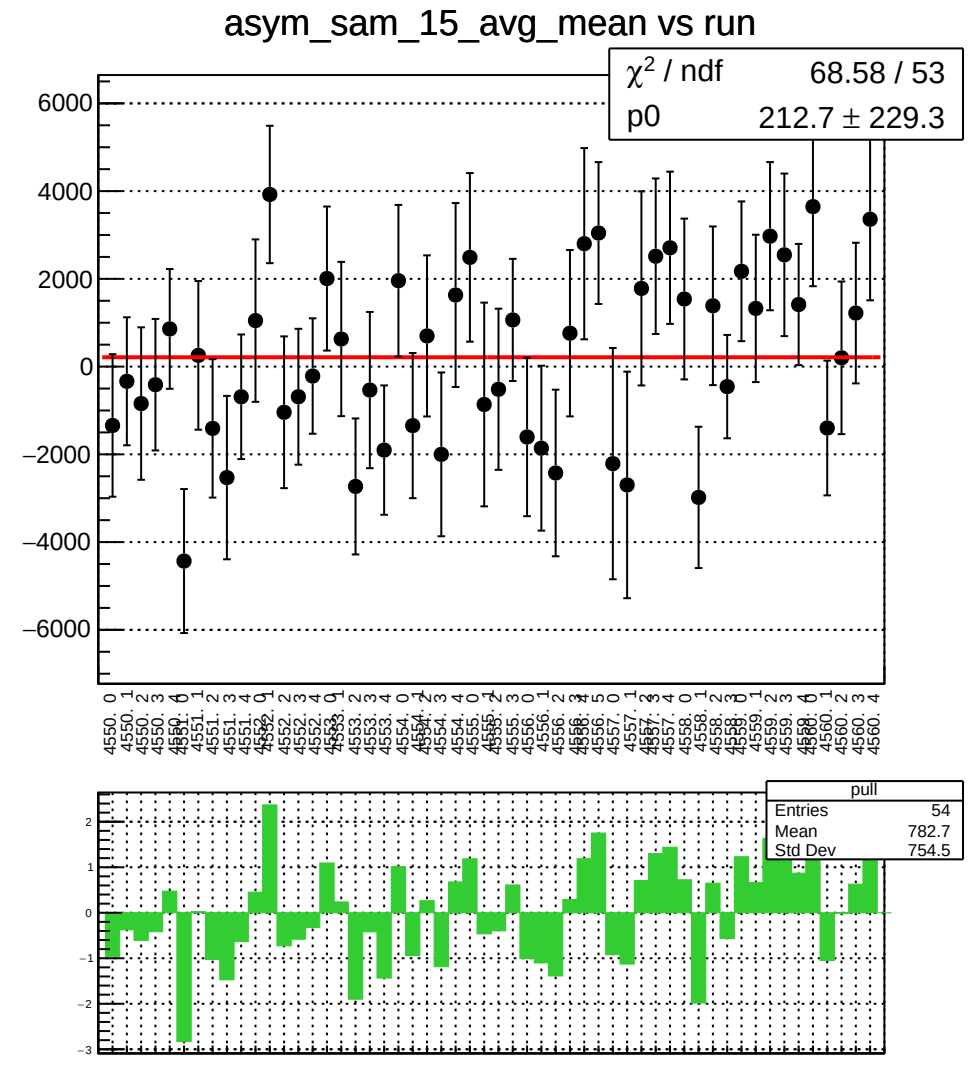

reg_asym_sam8_mean vs run
χ² / ndf 50.01 / 53
p0 32.81 ± 689.8
pull
Entries 54
Mean 1804
Std Dev 1766

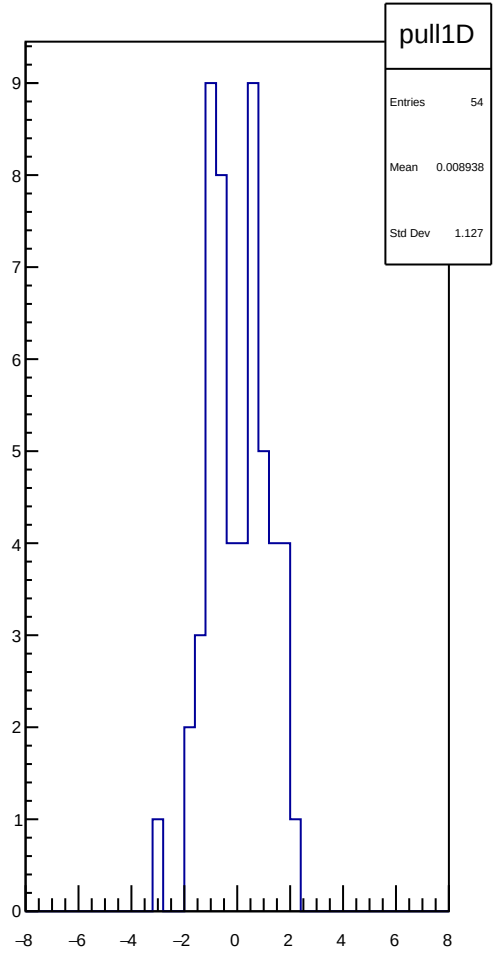

pull1D
Entries 54
Mean −0.001568
Std Dev 0.9623

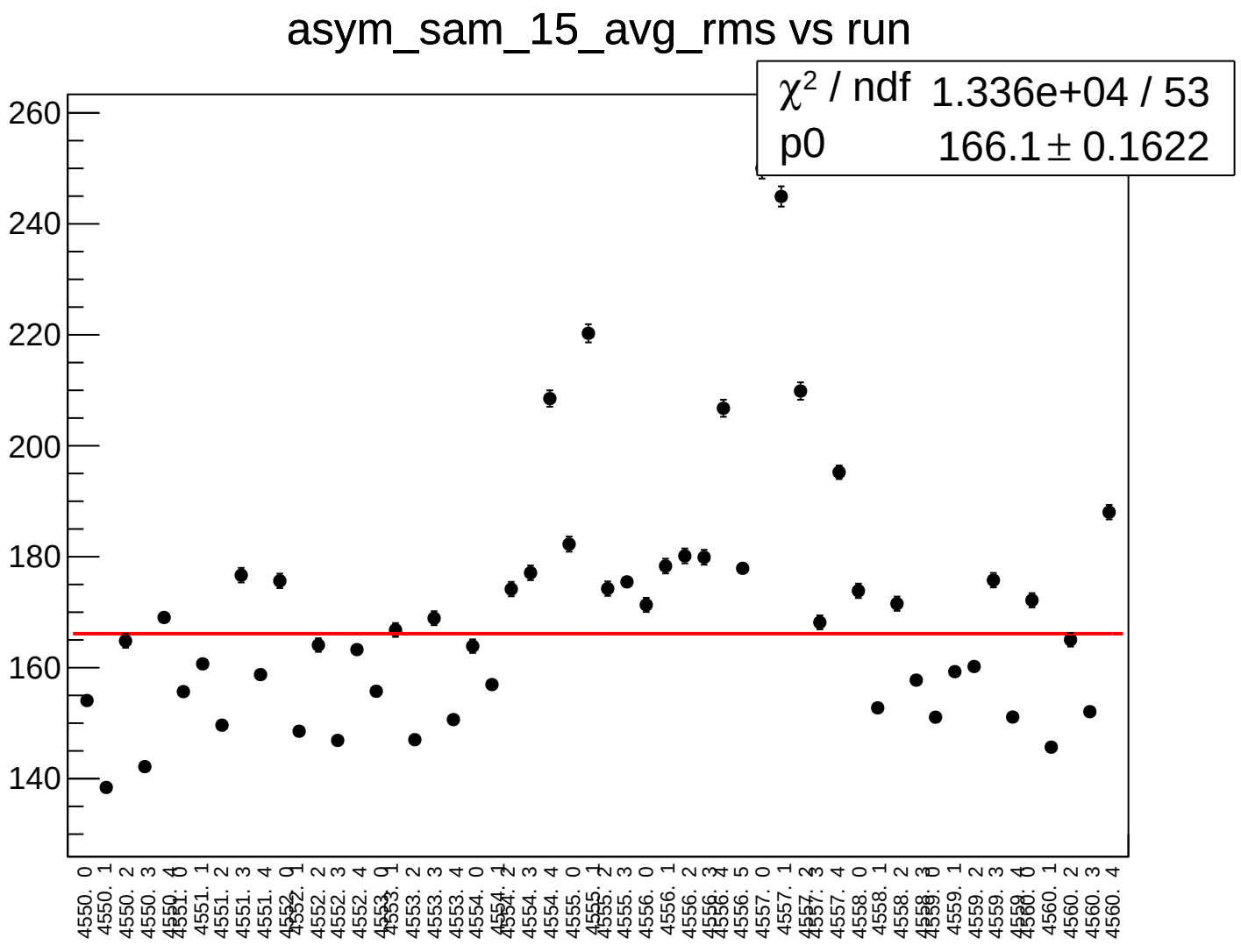

reg_asym_sam8_rms vs run
χ² / ndf 740.9 / 53
p0 502.7 ± 0.4878
550
540
530
520
510
500
490
480
470
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

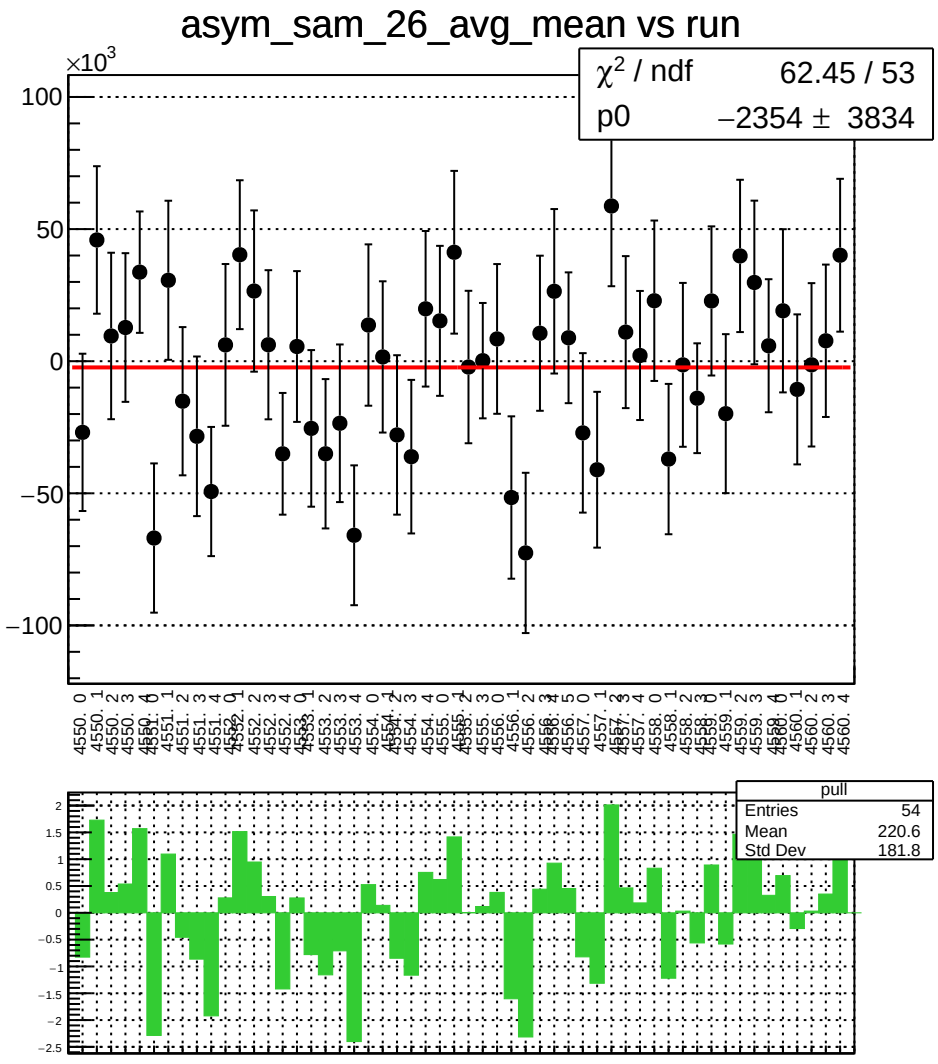

asym_sam8_correction_mean vs run
χ² / ndf 62.71 / 53
p0 25.97 ± 2557
pull
Entries 54
Mean −621.3
Std Dev 671.3
pull1D
Entries 54
Mean −0.001843
Std Dev 1.078

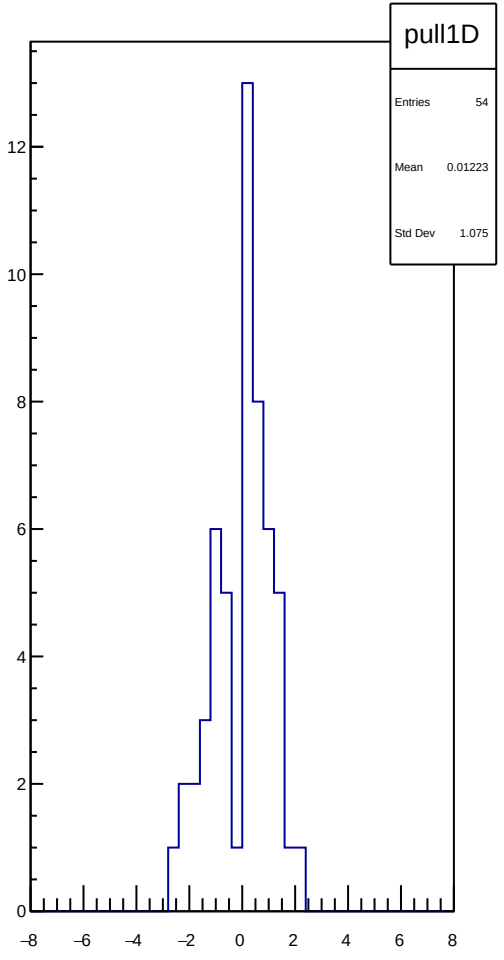

asym_sam8_correction_rms vs run
χ² / ndf 2571 / 53
p0 1862 ± 1.808
2100
2000
1900
1800
1700
1600

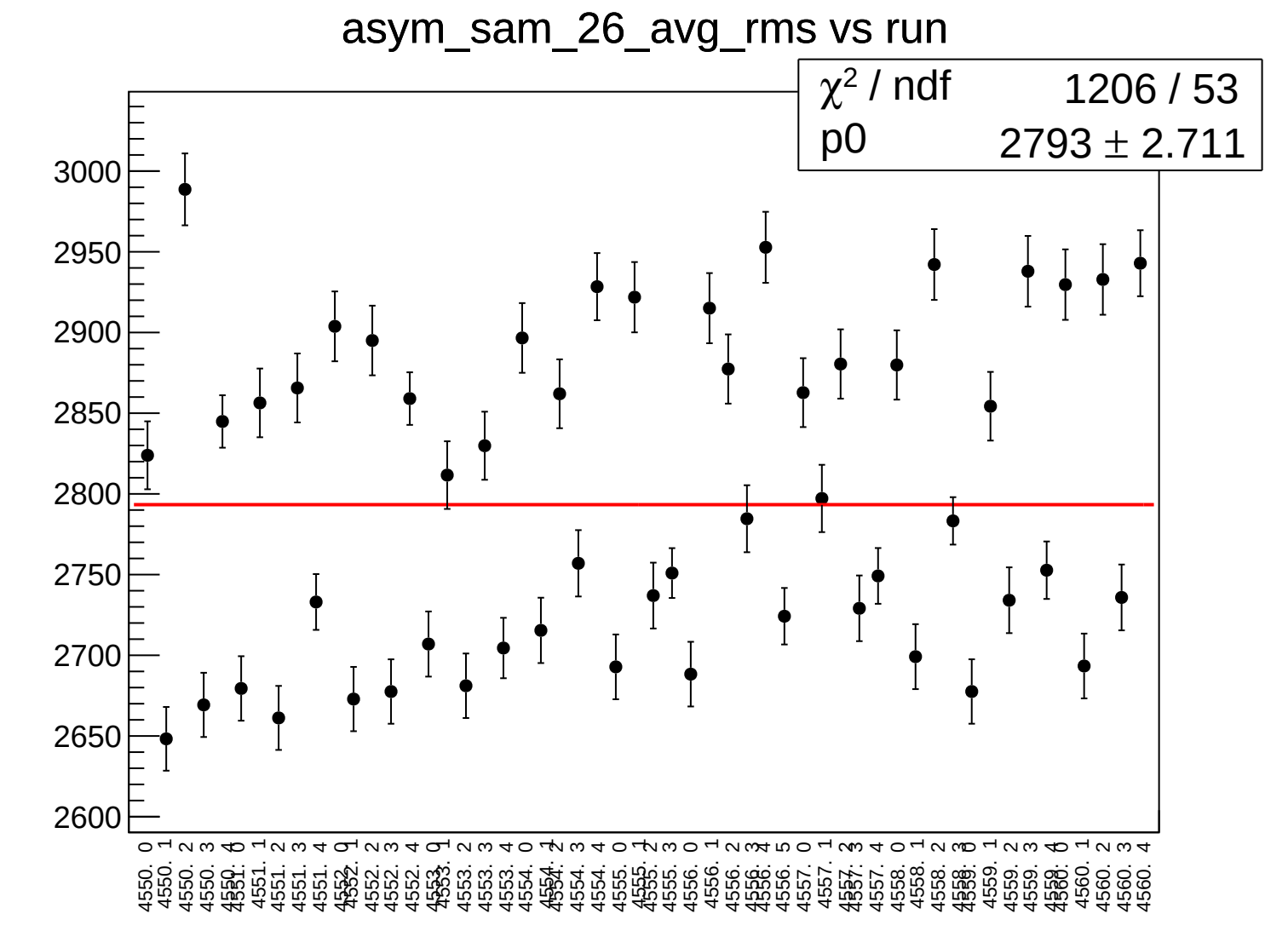

asym_sam_15_avg_mean vs run
χ² / ndf 68.58 / 53
p0 212.7 ± 229.3
pull
Entries 54
Mean 782.7
Std Dev 754.5

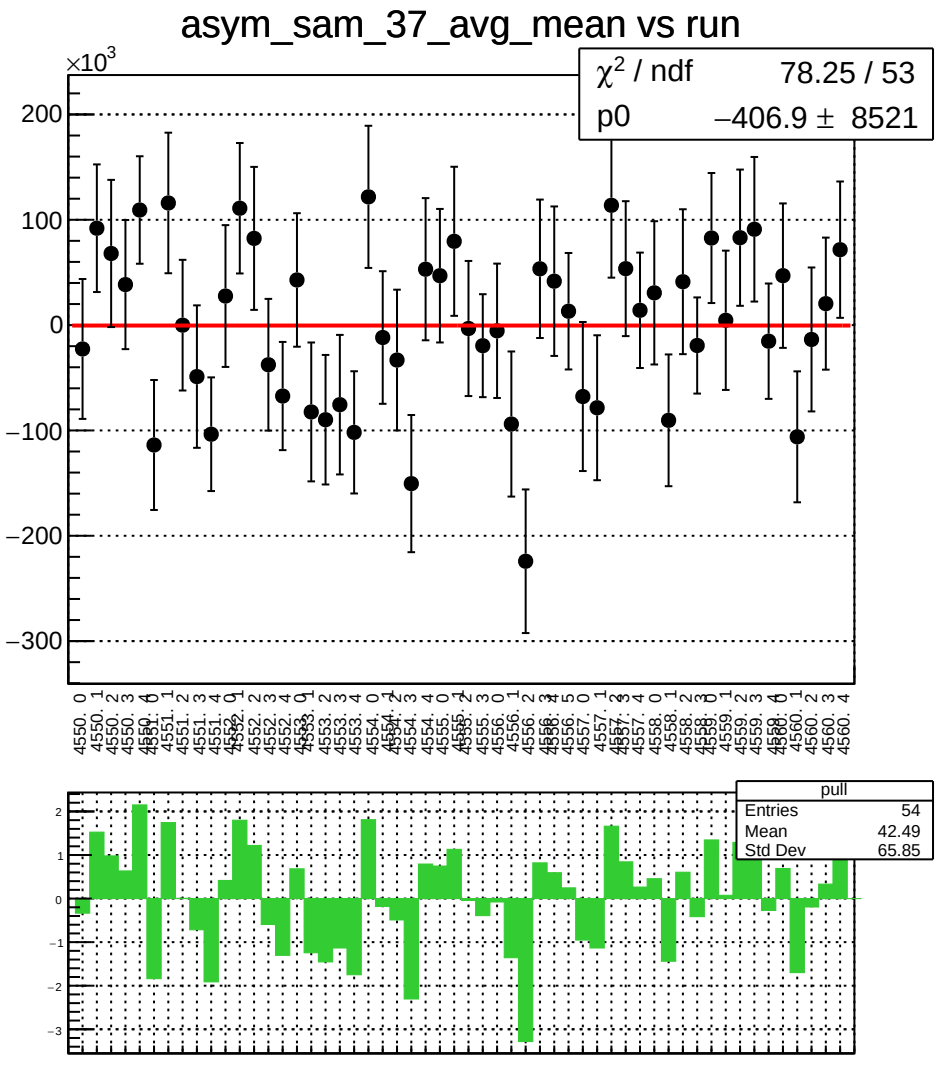

pull1D
Entries 54
Mean 0.008938
Std Dev 1.127

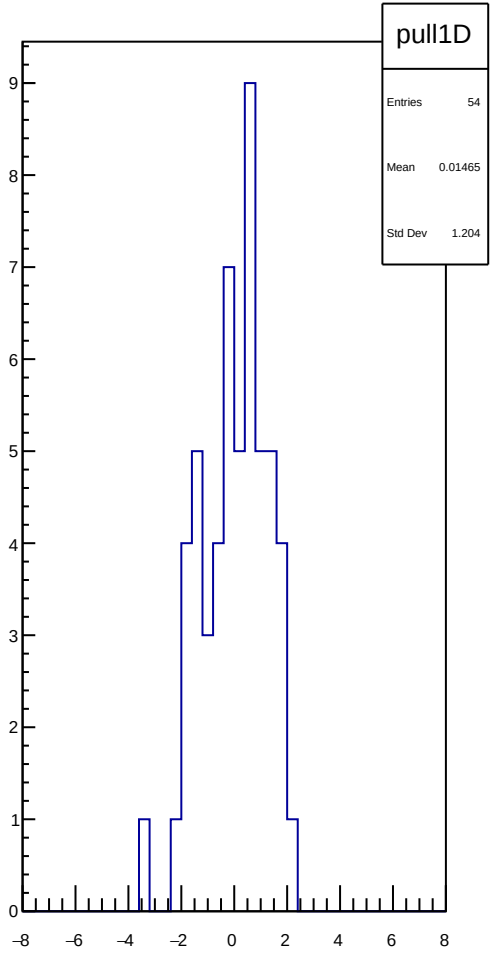

asym_sam_15_avg_rms vs run
χ² / ndf 1.336e+04 / 53
p0 166.1 ± 0.1622
260
240
220
200
180
160
140

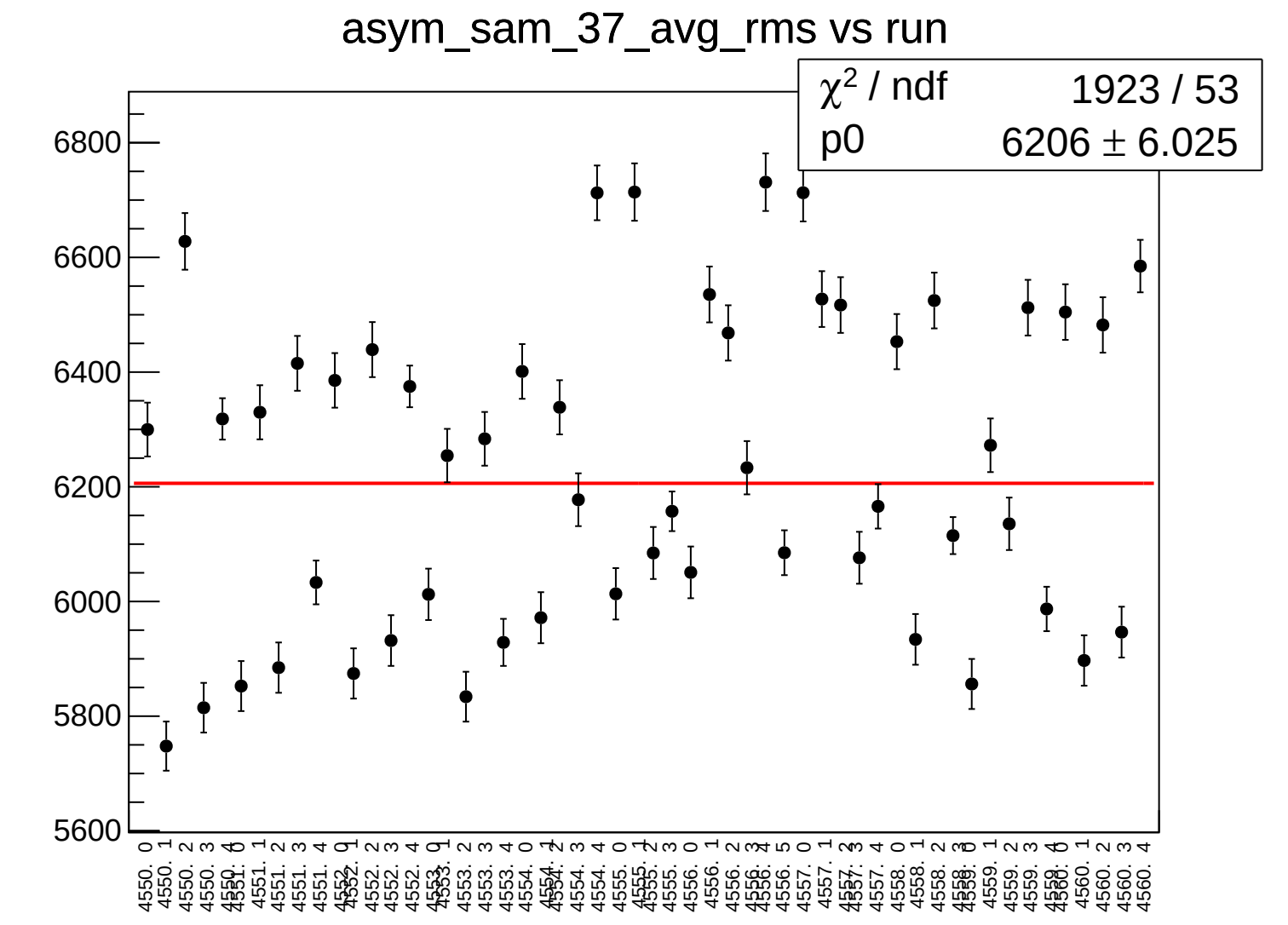

asym_sam_26_avg_mean vs run
×10^3
χ² / ndf 62.45 / 53
p0 −2354 ± 3834
100
50
0
−50
−100
pull
Entries 54
Mean 220.6
Std Dev 181.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

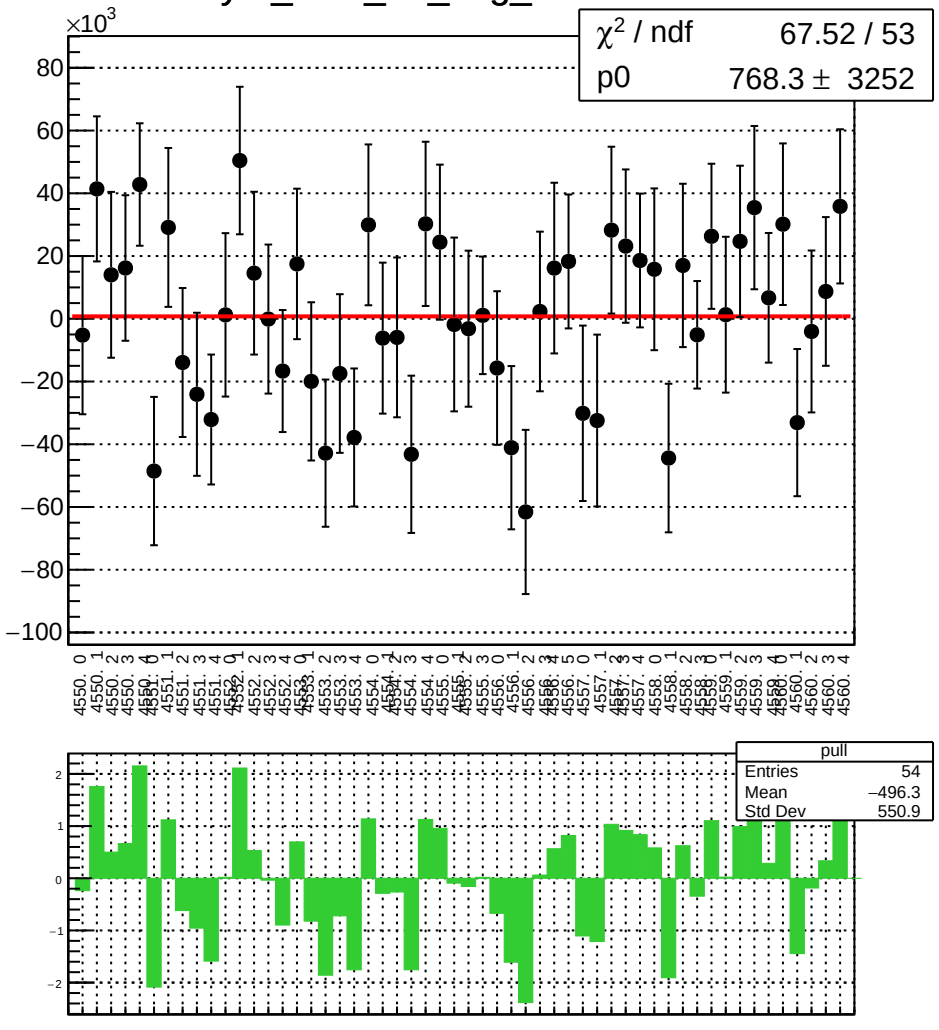

pull1D
Entries 54
Mean 0.01223
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

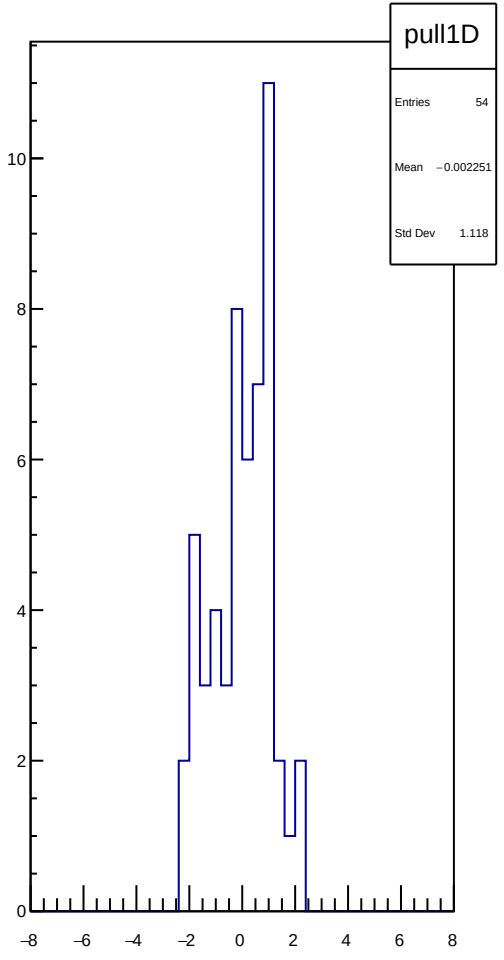

asym_sam_26_avg_rms vs run
χ² / ndf 1206 / 53
p0 2793 ± 2.711
3000
2950
2900
2850
2800
2750
2700
2650
2600
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

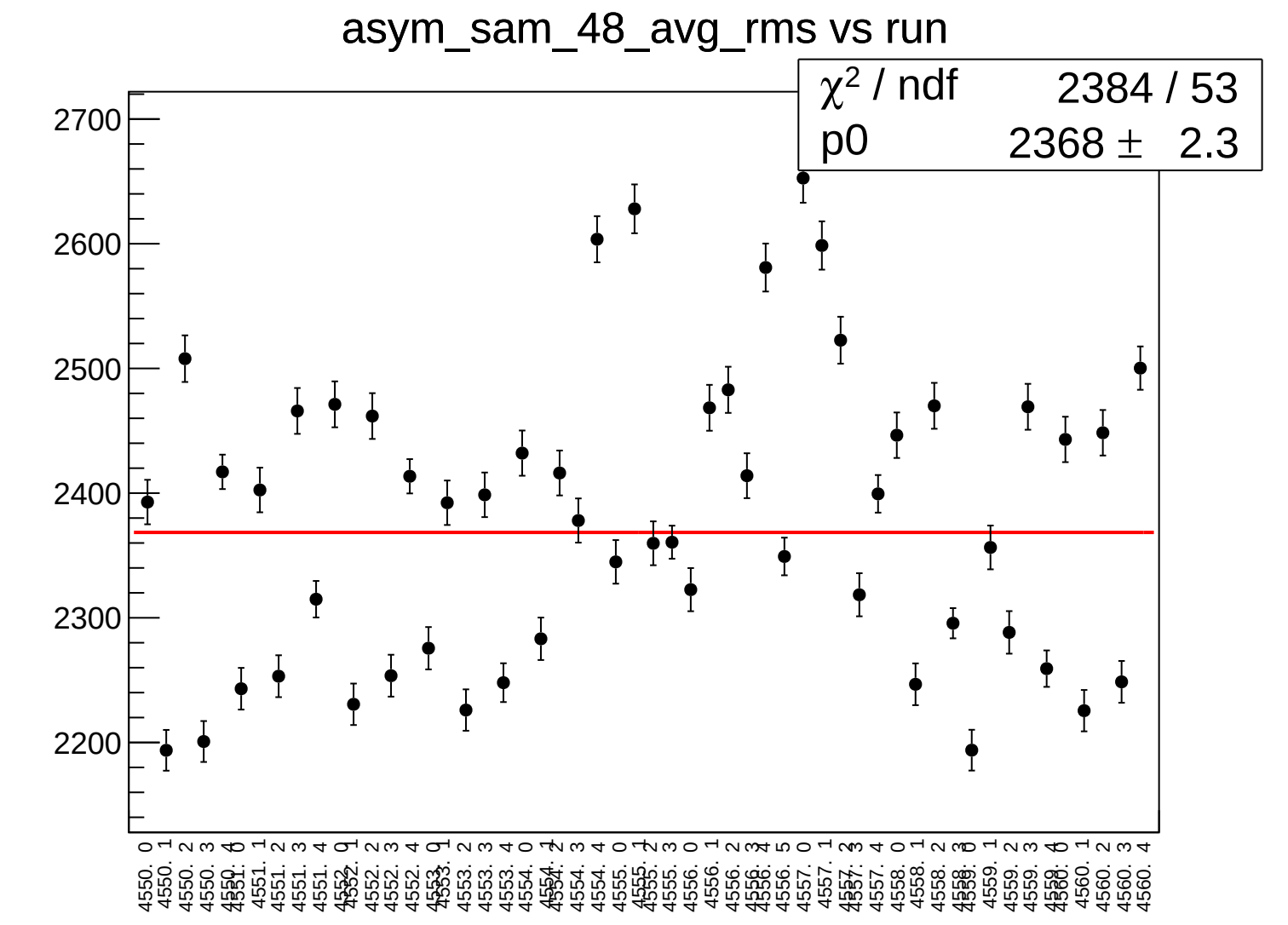

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 78.25 / 53
p0 −406.9 ± 8521
200
100
0
−100
−200
−300
pull
Entries 54
Mean 42.49
Std Dev 65.85
2
1
0
−1
−2
−3

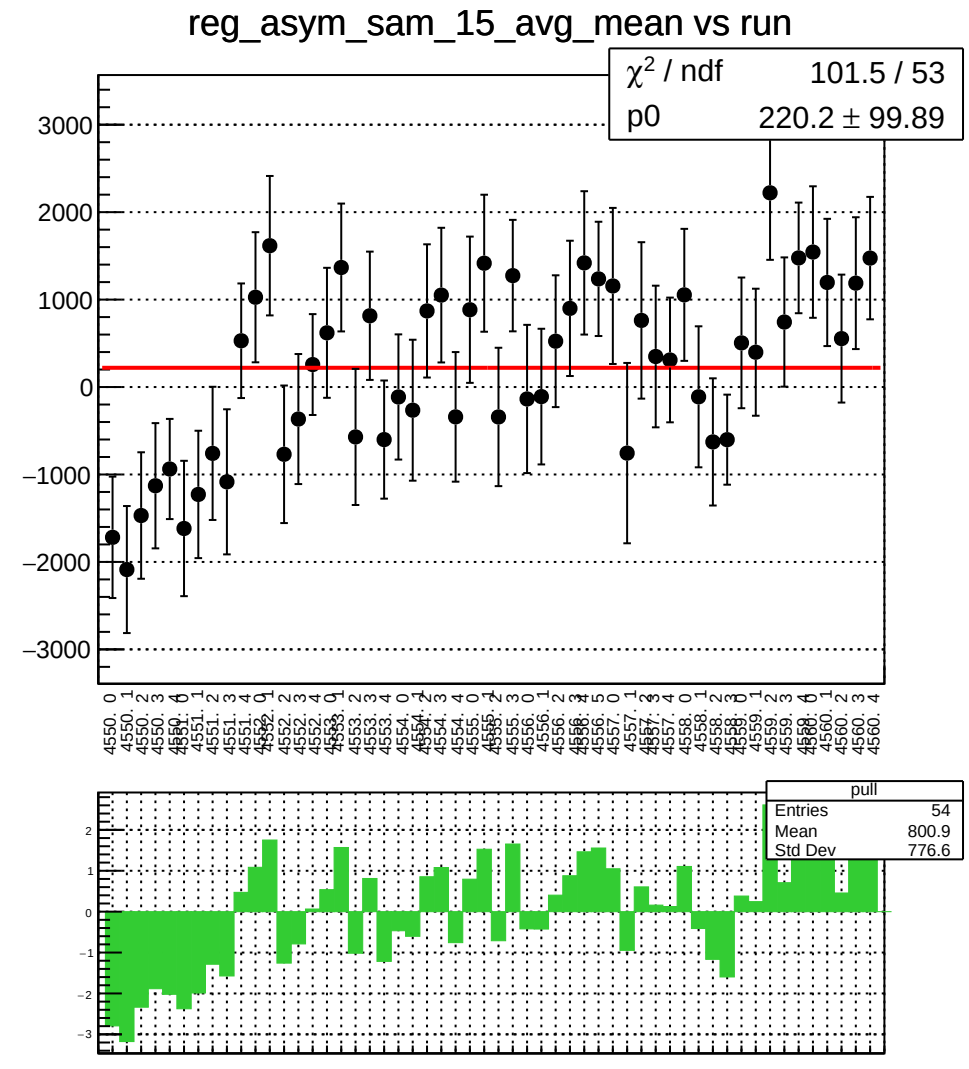

pull1D
Entries 54
Mean 0.01465
Std Dev 1.204
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

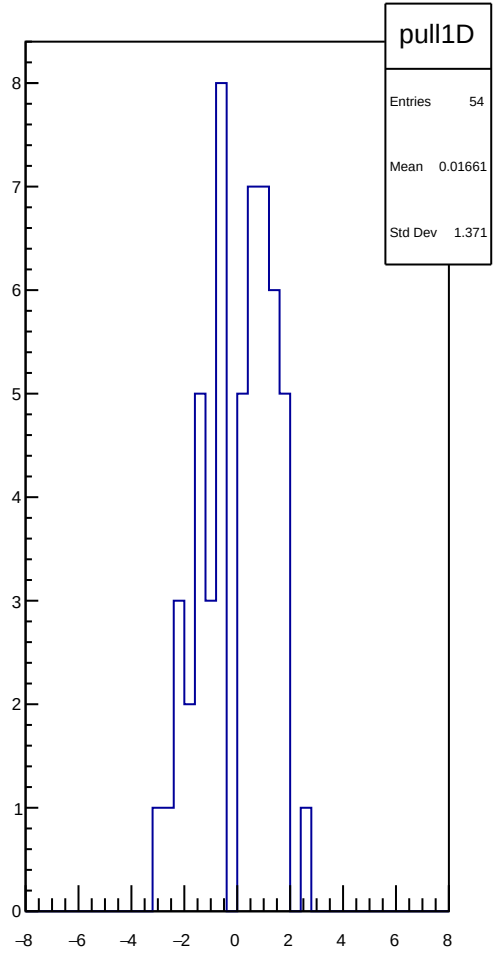

asym_sam_37_avg_rms vs run
χ^2 / ndf 1923 / 53
p0 6206 ± 6.025
6800
6600
6400
6200
6000
5800
5600

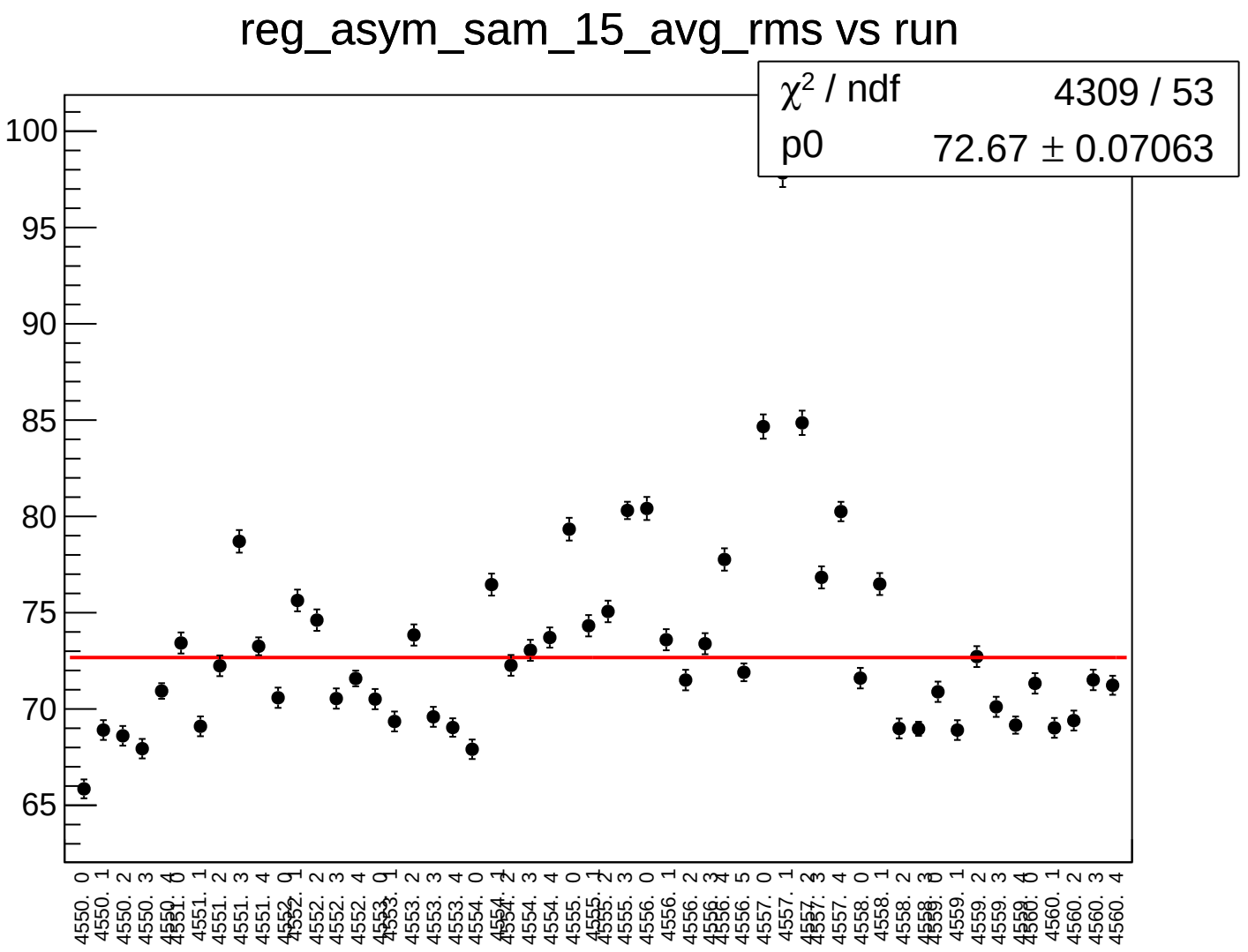

asym_sam_48_avg_mean vs run
χ² / ndf 67.52 / 53
p0 768.3 ± 3252
×10³
pull
Entries 54
Mean −496.3
Std Dev 550.9

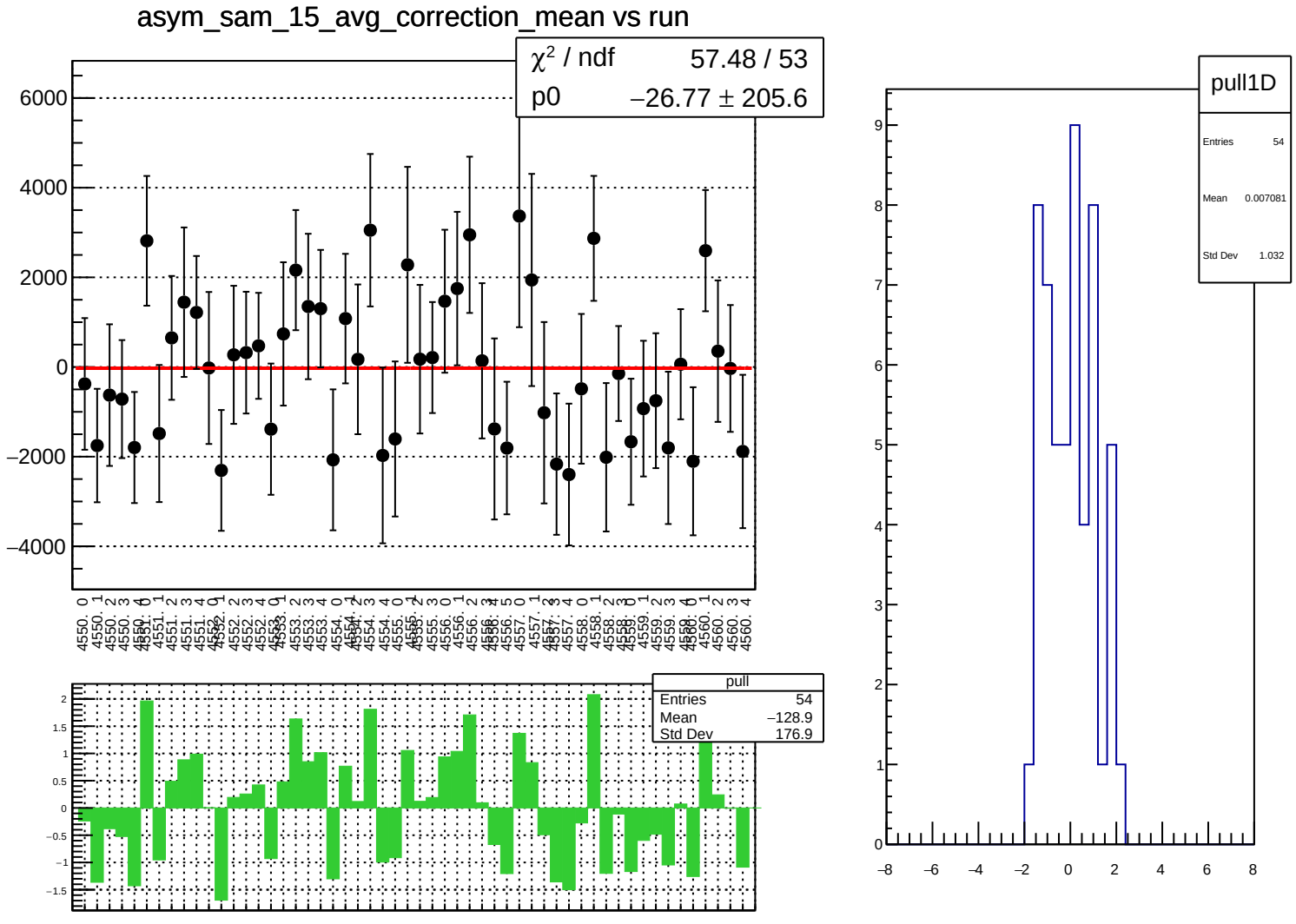

pull1D
Entries 54
Mean −0.002251
Std Dev 1.118

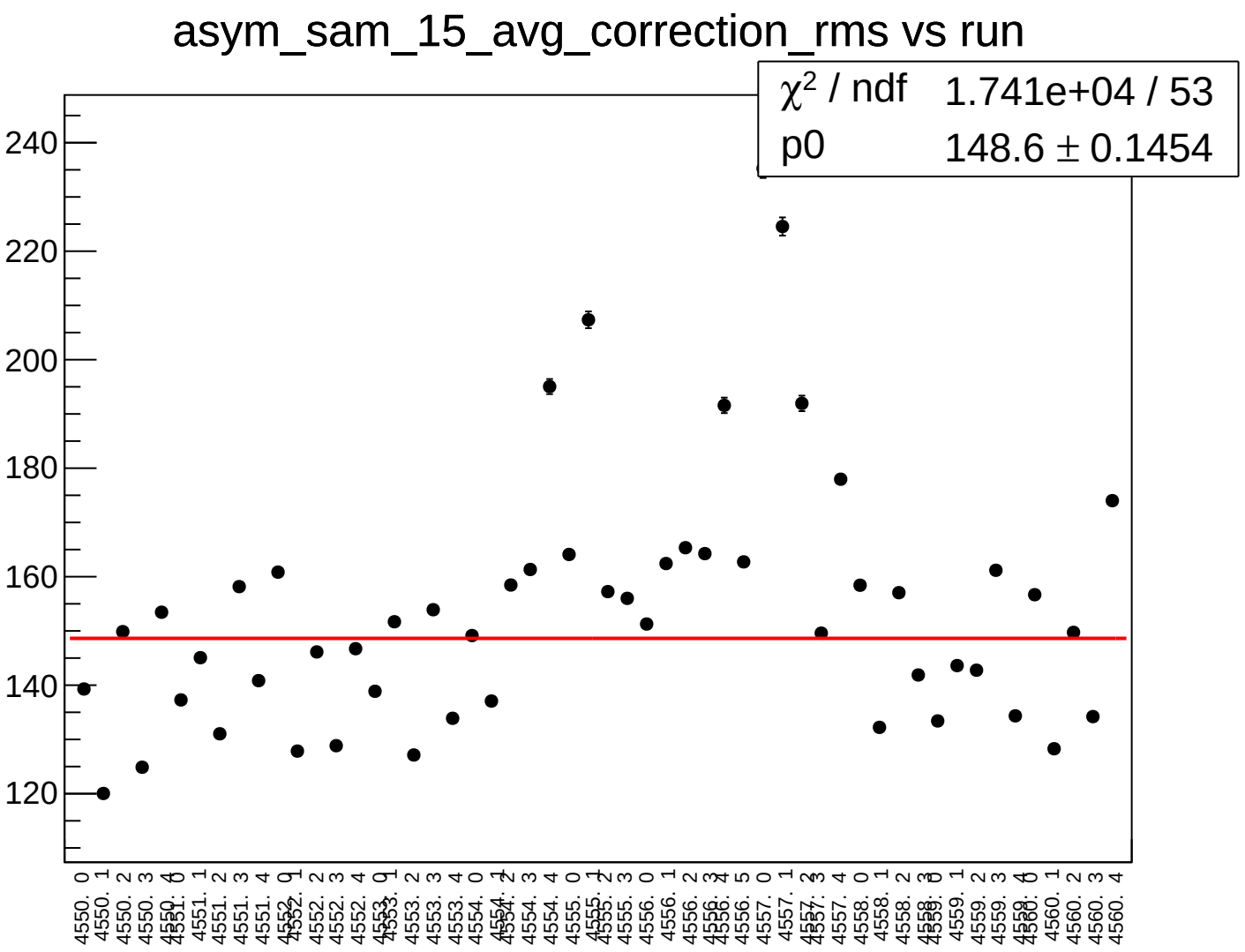

asym_sam_48_avg_rms vs run
χ² / ndf 2384 / 53
p0 2368 ± 2.3
2700
2600
2500
2400
2300
2200

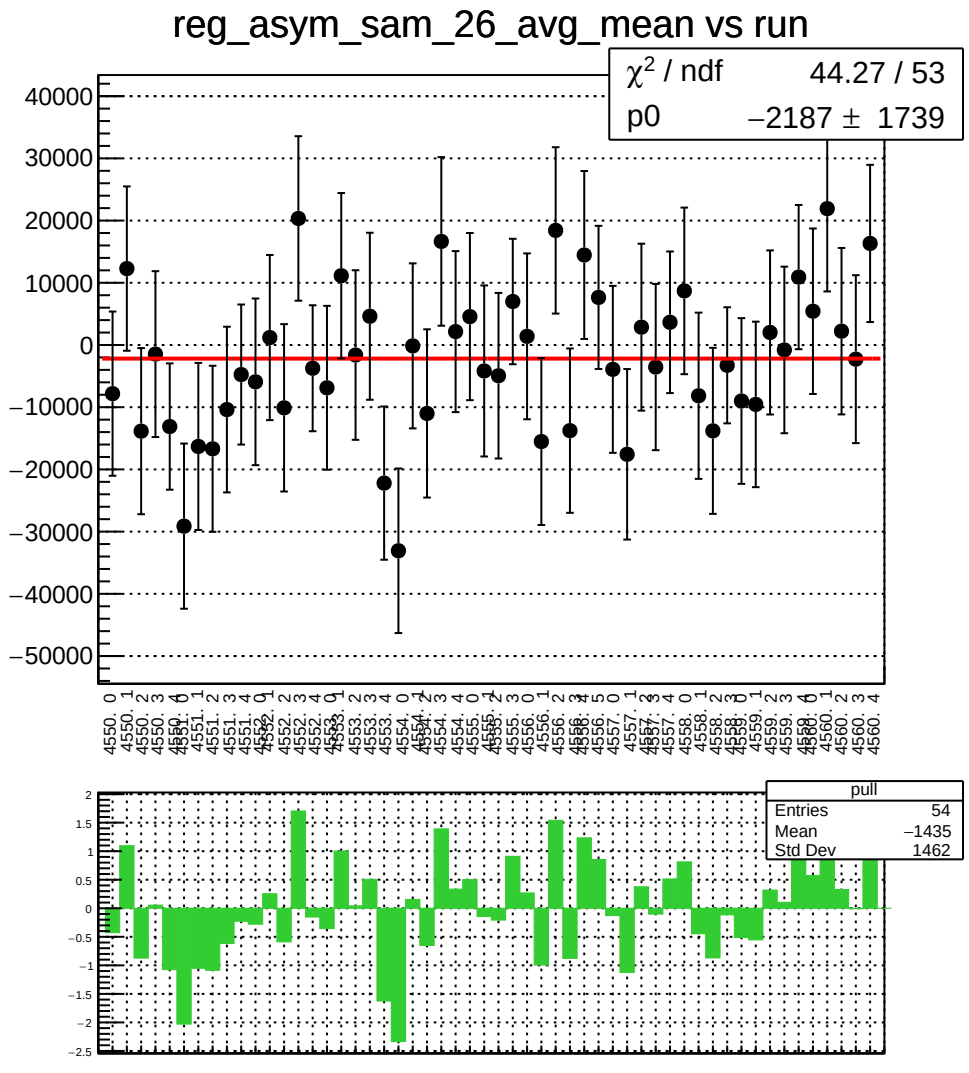

reg_asym_sam_15_avg_mean vs run
χ² / ndf 101.5 / 53
p0 220.2 ± 99.89
pull
Entries 54
Mean 800.9
Std Dev 776.6

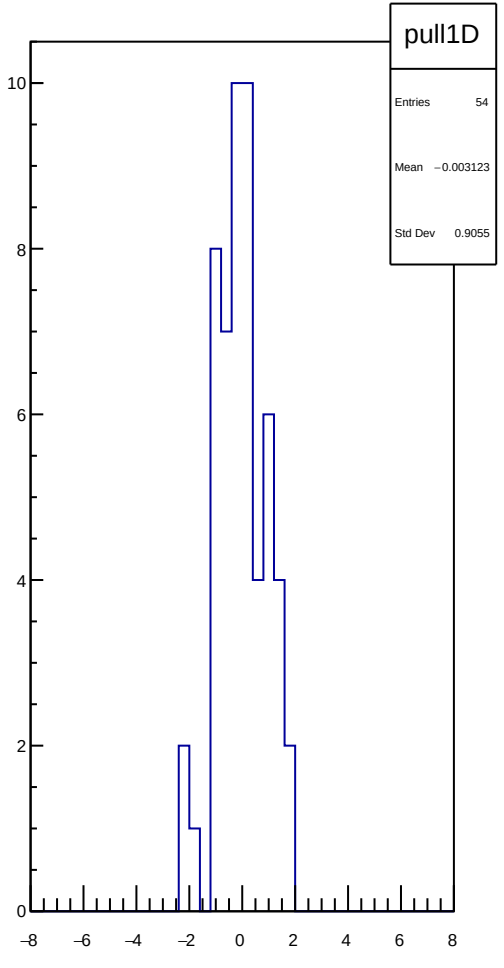

pull1D
Entries 54
Mean 0.01661
Std Dev 1.371

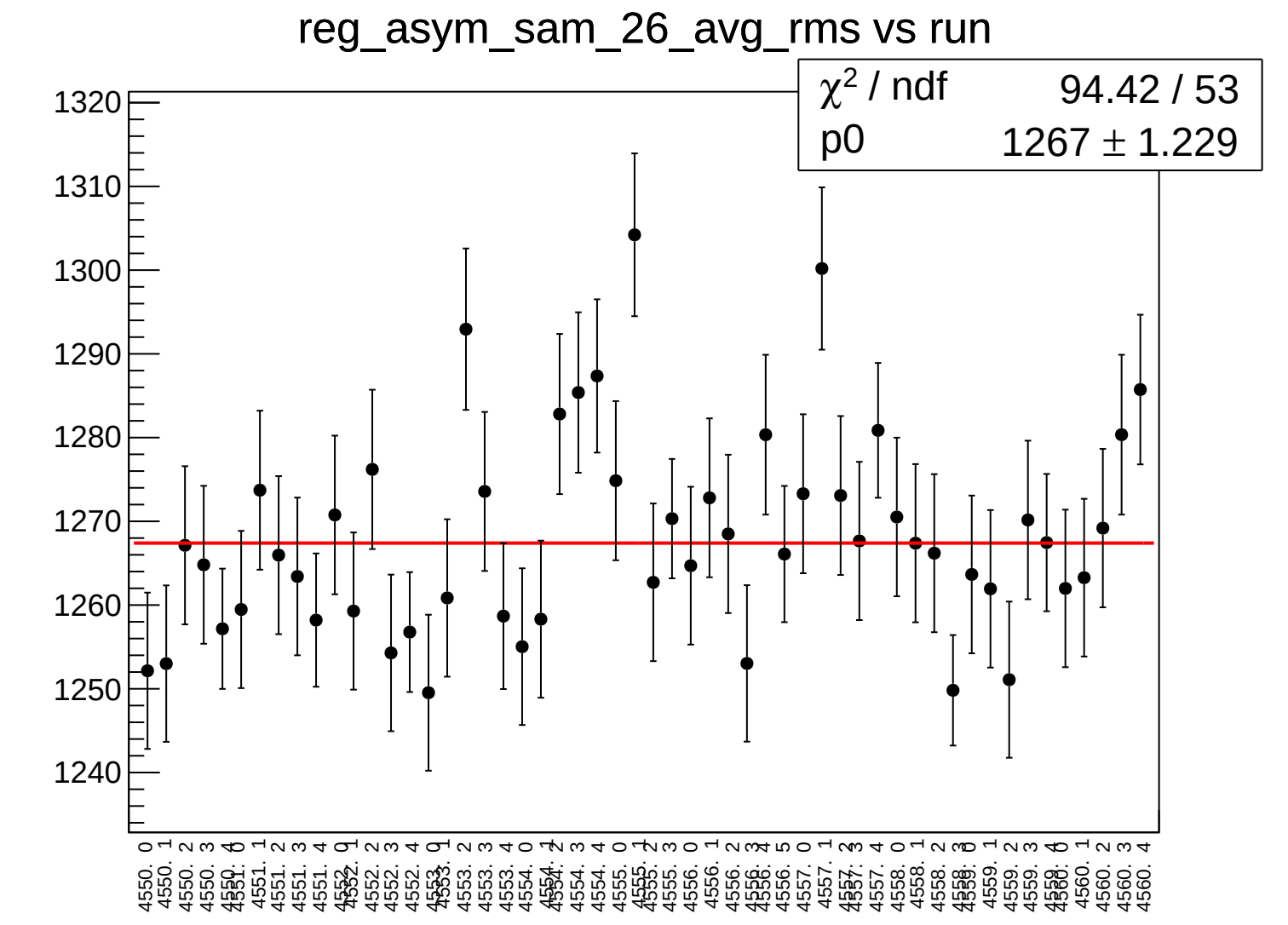

reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 4309 / 53
p0 72.67 ± 0.07063
100
95
90
85
80
75
70
65

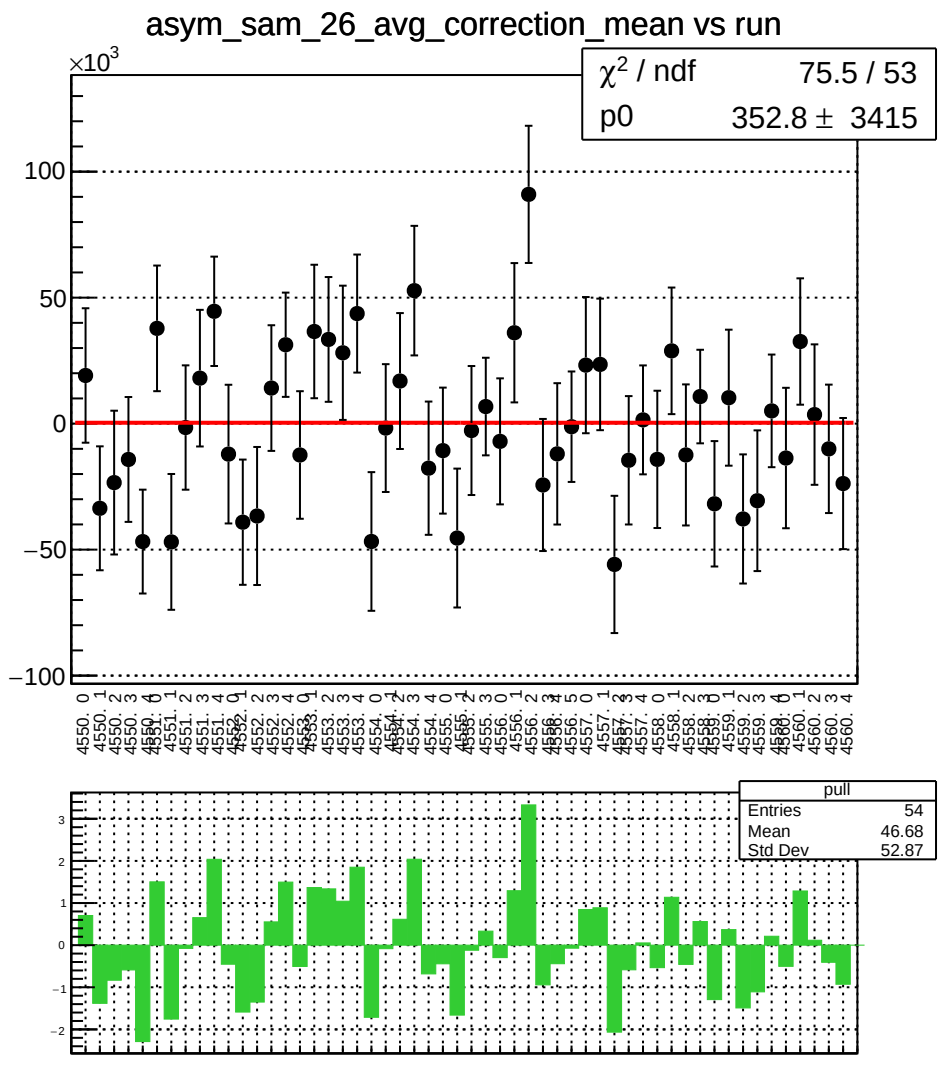

asym_sam_15_avg_correction_mean vs run
χ² / ndf 57.48 / 53
p0 −26.77 ± 205.6
pull
Entries 54
Mean −128.9
Std Dev 176.9
pull1D
Entries 54
Mean 0.007081
Std Dev 1.032

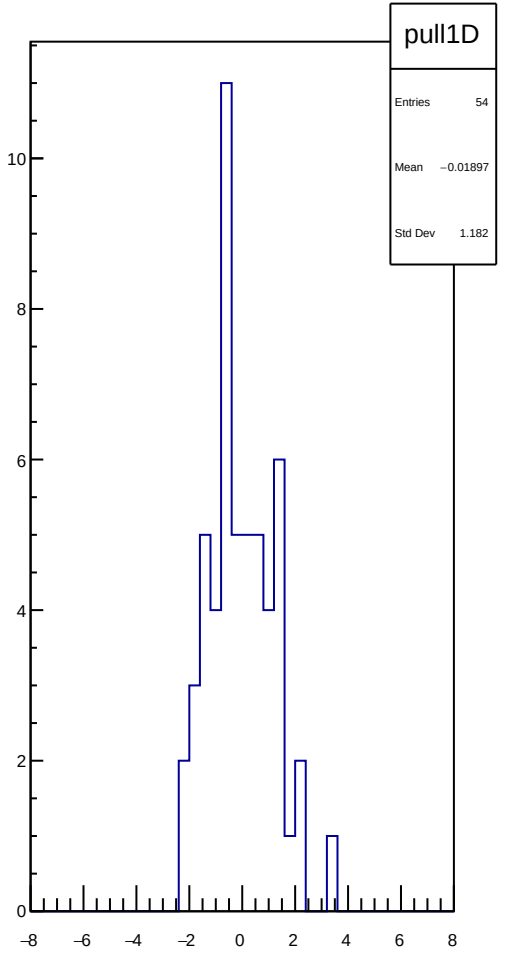

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.741e+04 / 53
p0 148.6 ± 0.1454
240
220
200
180
160
140
120

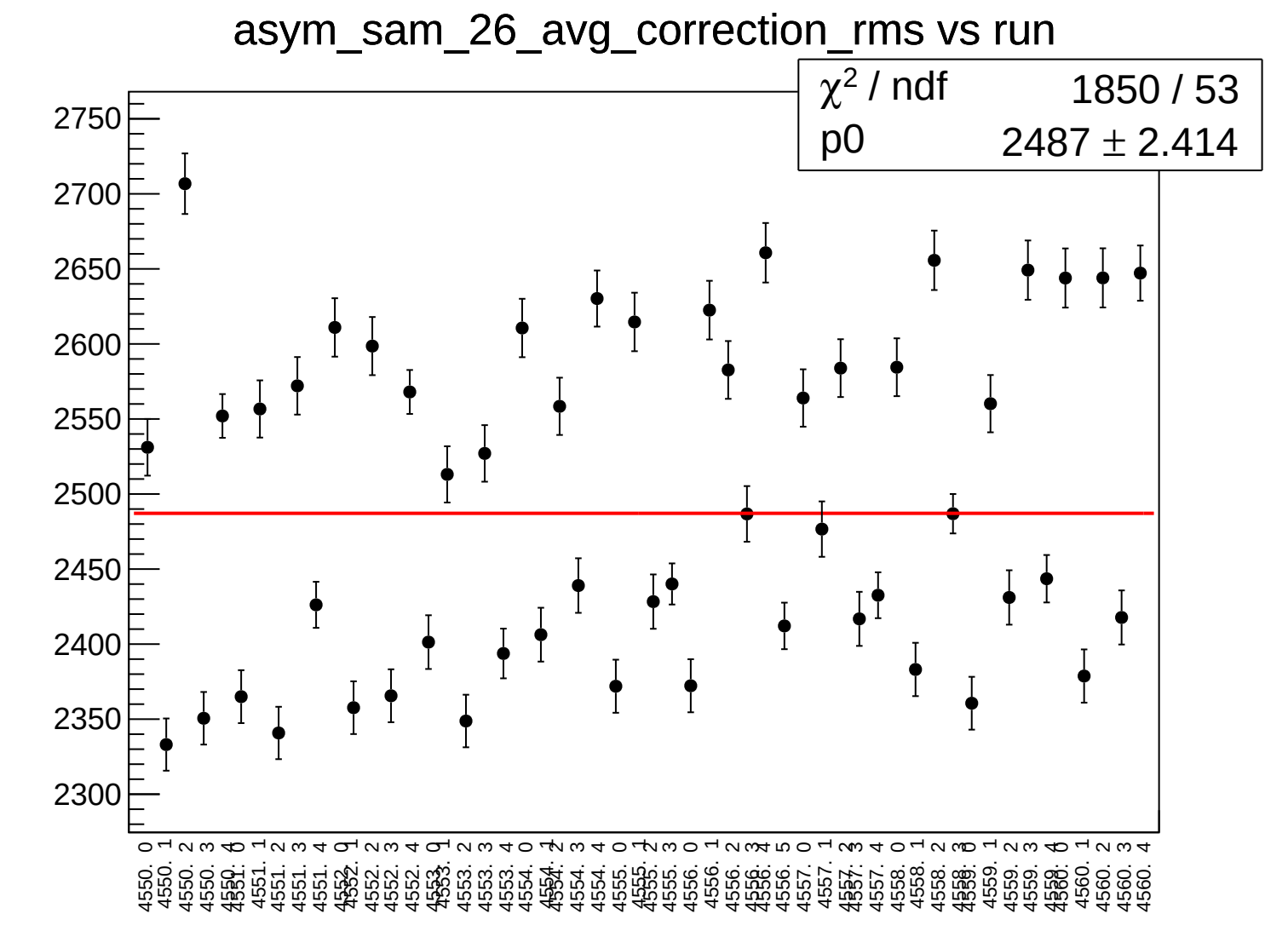

reg_asym_sam_26_avg_mean vs run
χ² / ndf 44.27 / 53
p0 −2187 ± 1739
pull
Entries 54
Mean −1435
Std Dev 1462


pull1D
Entries 54
Mean −0.003123
Std Dev 0.9055


reg_asym_sam_26_avg_rms vs run
χ² / ndf 94.42 / 53
p0 1267 ± 1.229
1320
1310
1300
1290
1280
1270
1260
1250
1240


asym_sam_26_avg_correction_mean vs run
×10^3
χ^2 / ndf 75.5 / 53
p0 352.8 ± 3415
100
50
0
−50
−100
pull
Entries 54
Mean 46.68
Std Dev 52.87
3
2
1
0
−1
−2


pull1D
Entries 54
Mean −0.01897
Std Dev 1.182
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_avg_correction_rms vs run
χ² / ndf 1850 / 53
p0 2487 ± 2.414
2750
2700
2650
2600
2550
2500
2450
2400
2350
2300
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
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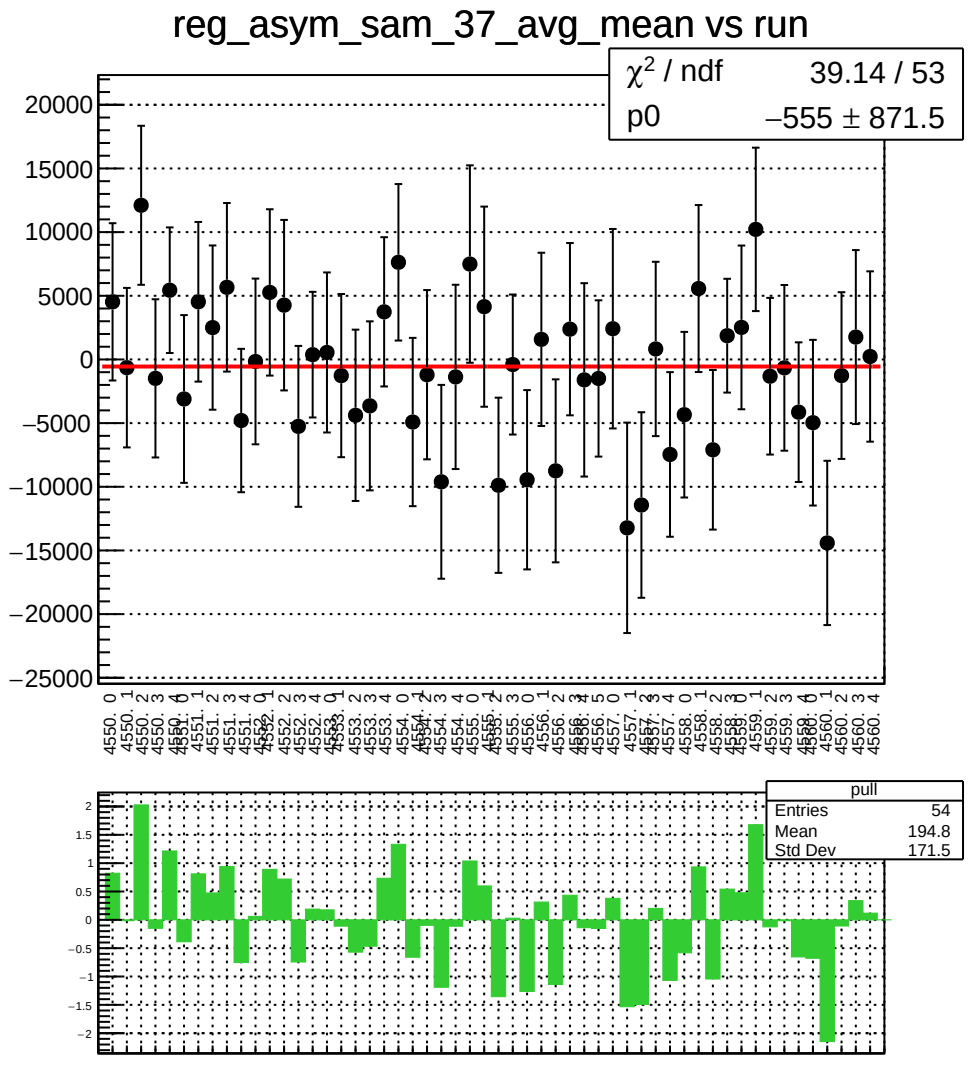
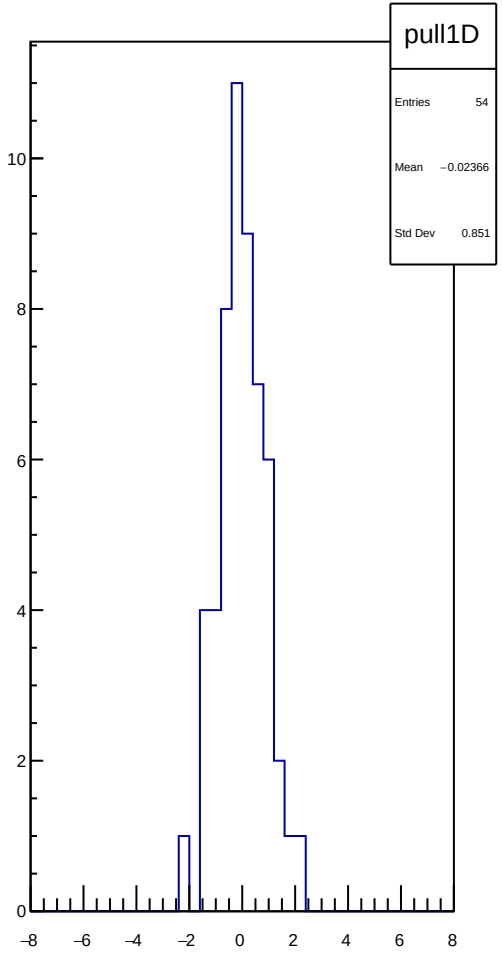
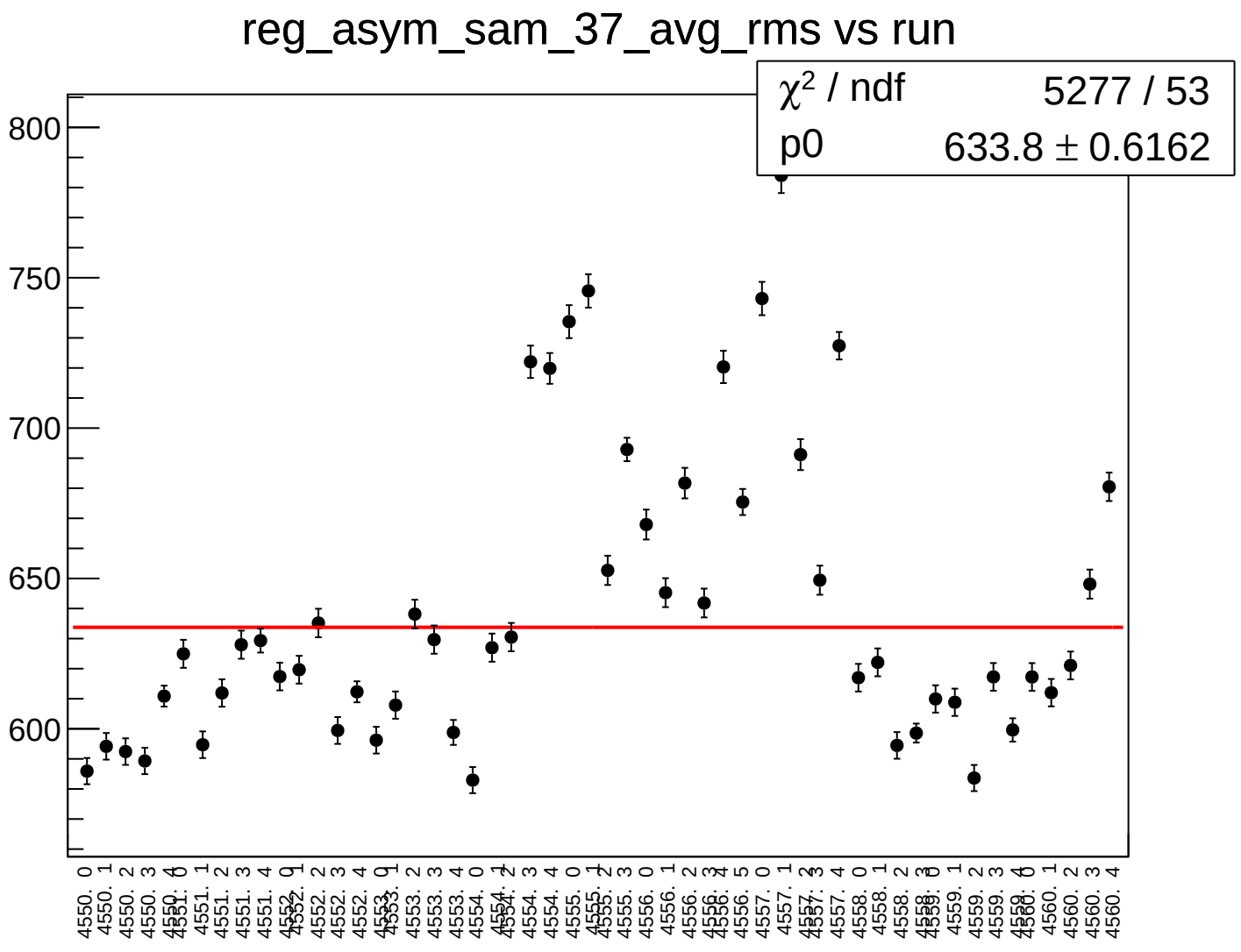
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


reg_asym_sam_37_avg_mean vs run
χ² / ndf 39.14 / 53
p0 −555 ± 871.5
pull
Entries 54
Mean 194.8
Std Dev 171.5


pull1D
Entries 54
Mean −0.02366
Std Dev 0.851


reg_asym_sam_37_avg_rms vs run
χ² / ndf 5277 / 53
p0 633.8 ± 0.6162
800
750
700
650
600
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
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4558. 2
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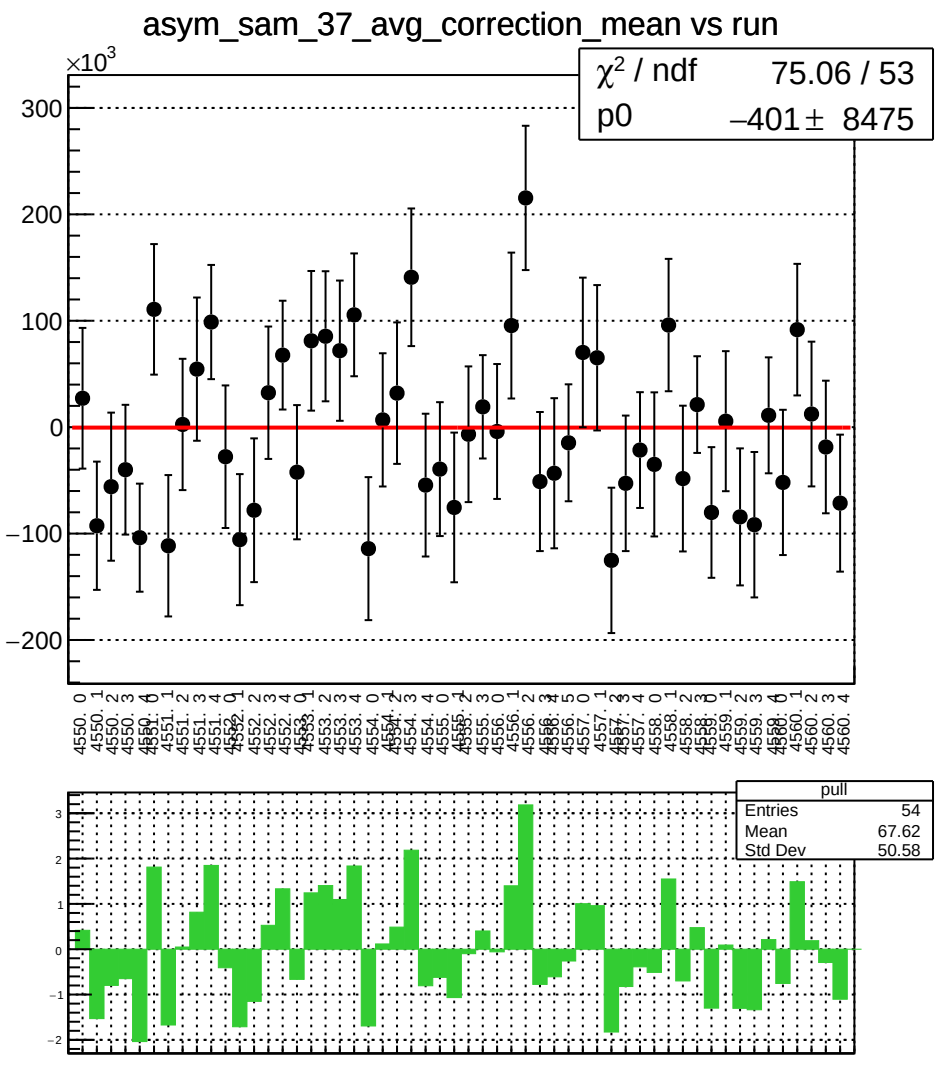
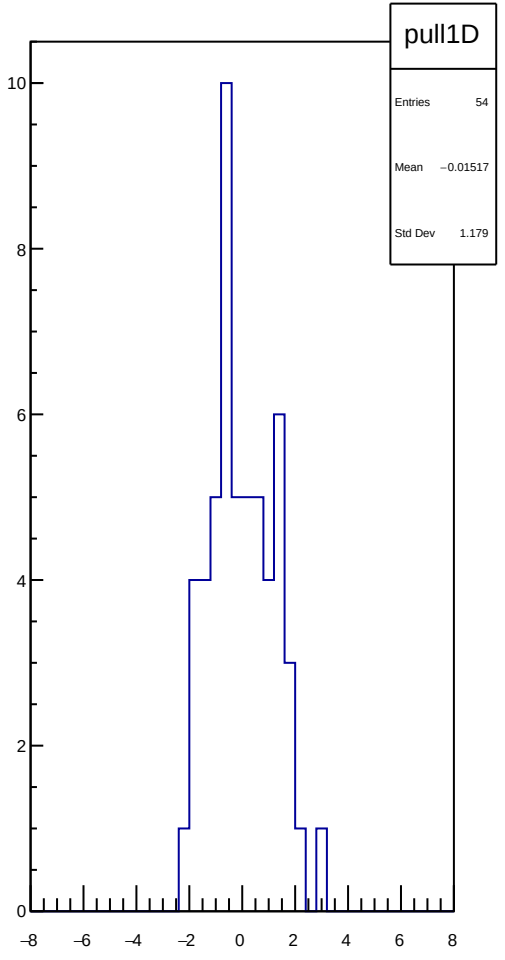
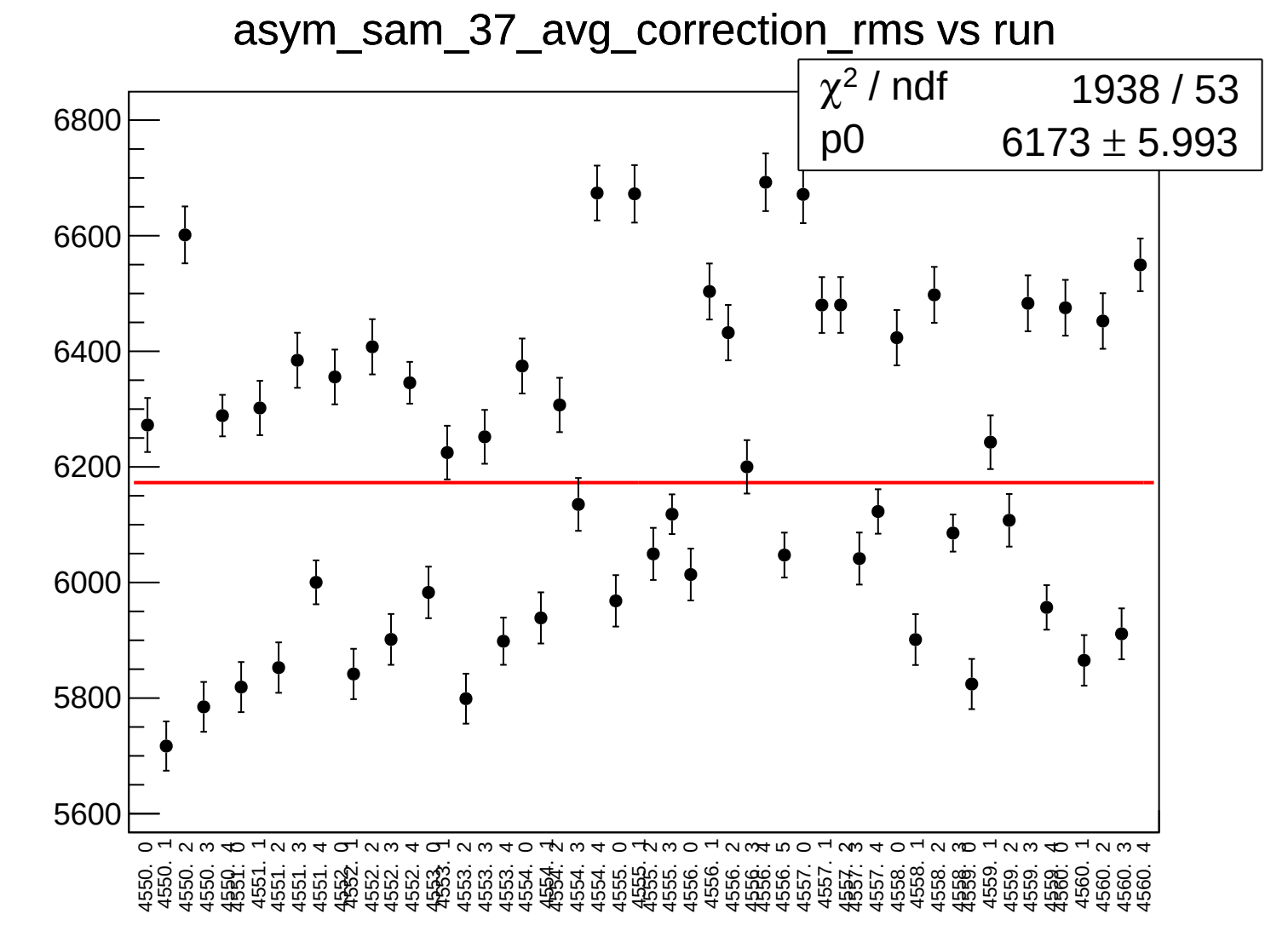
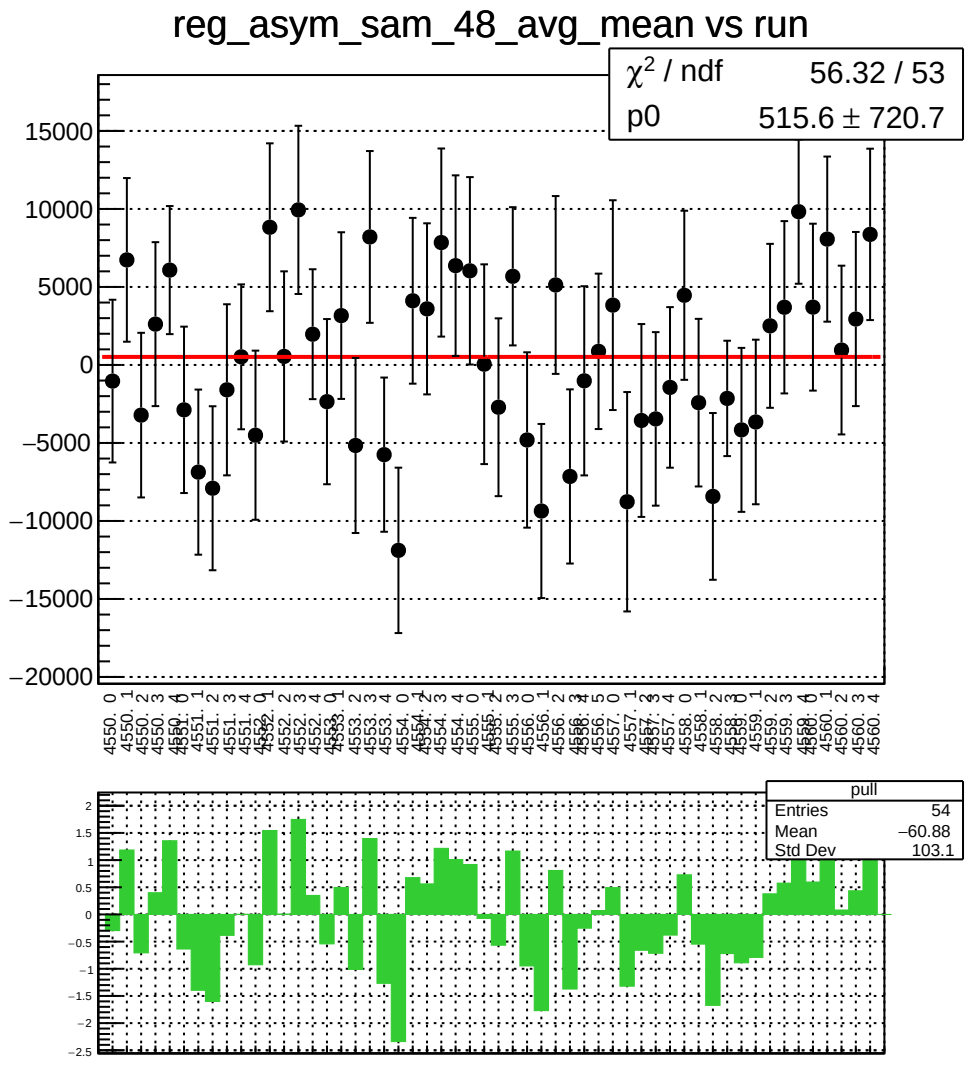
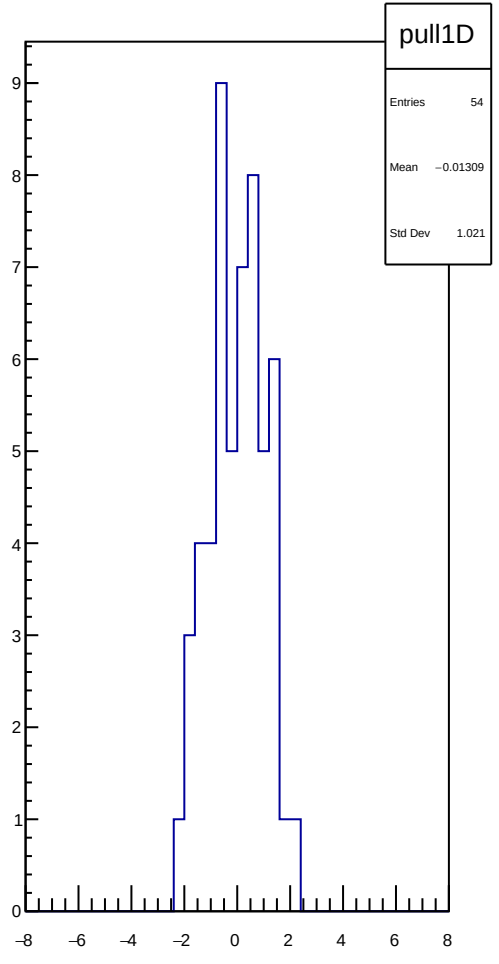
4560. 3
4560. 4

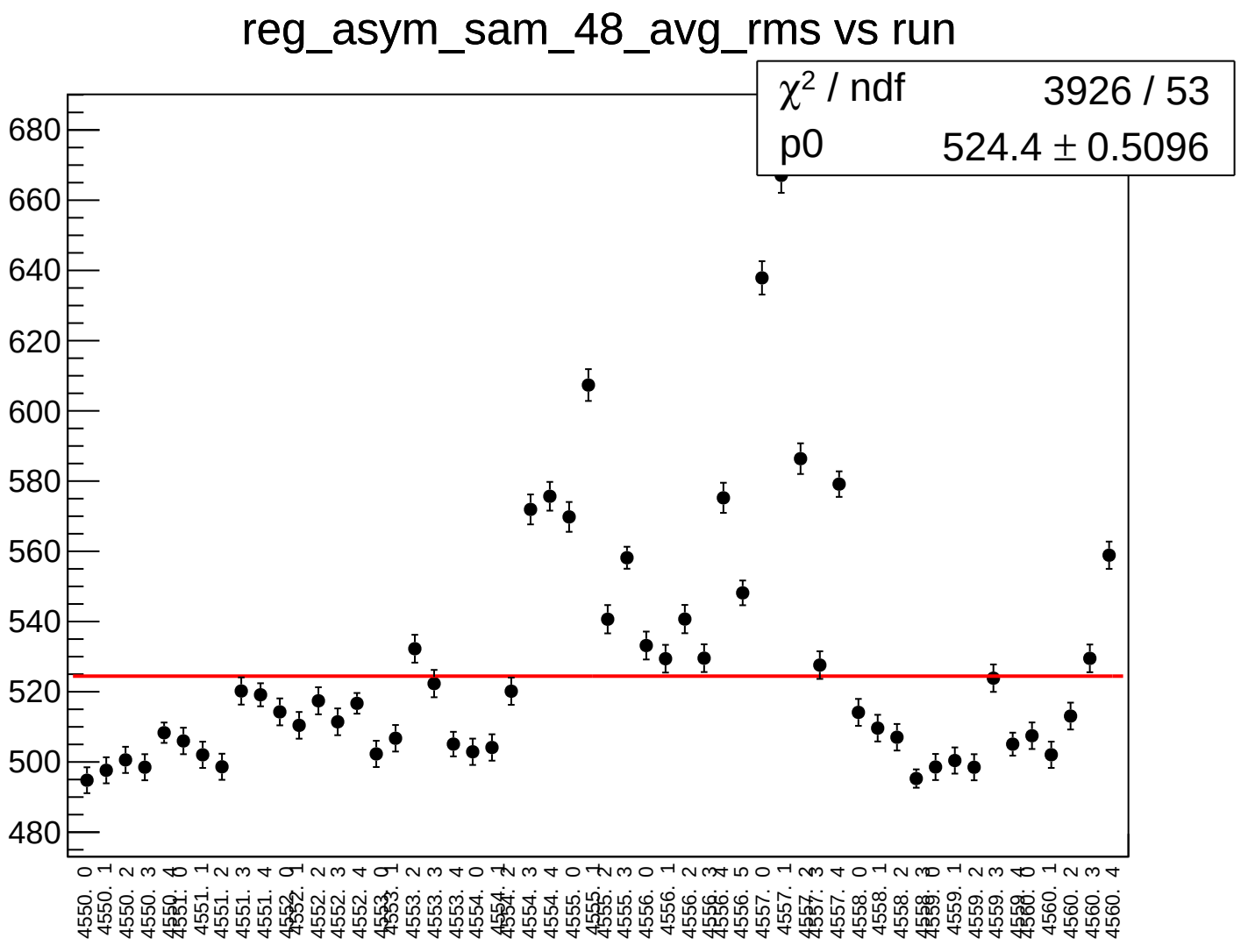

asym_sam_37_avg_correction_mean vs run
×10^3
χ^2 / ndf 75.06 / 53
p0 −401 ± 8475
300
200
100
0
−100
−200
pull
Entries 54
Mean 67.62
Std Dev 50.58
3
2
1
0
−1
−2

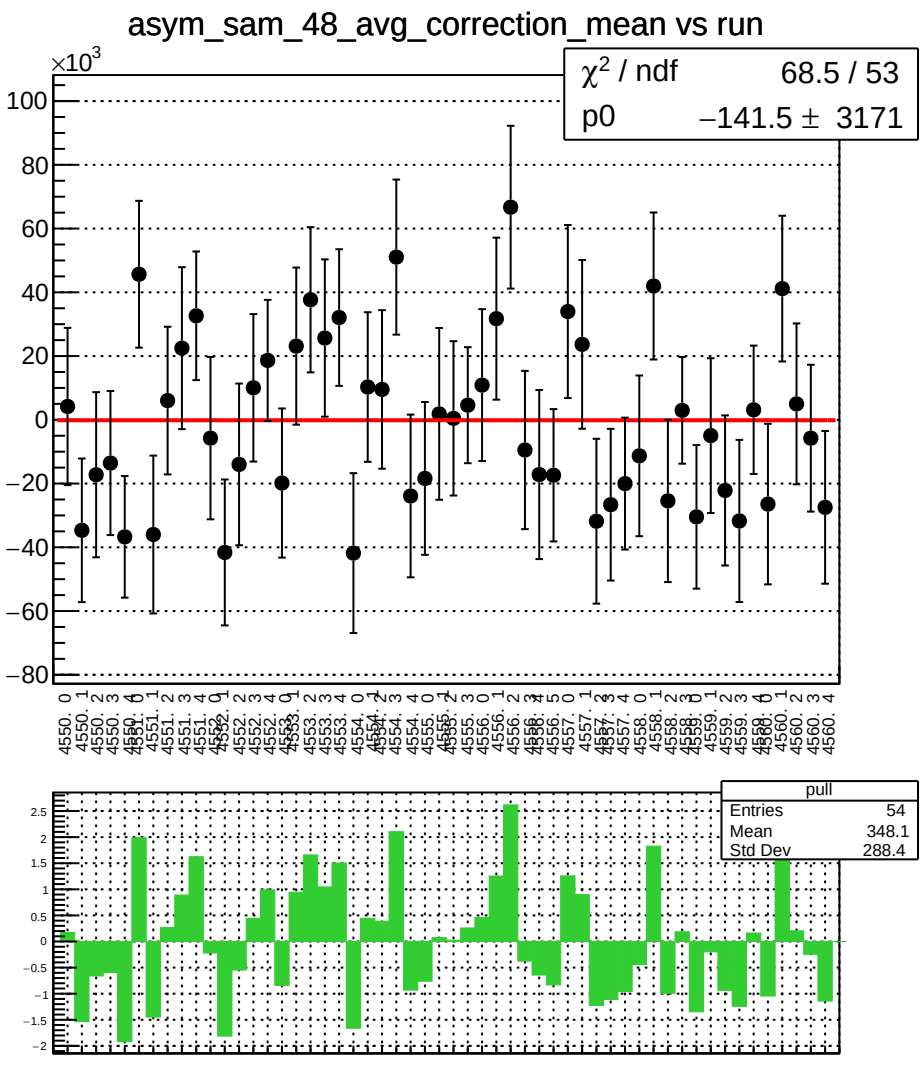

pull1D
Entries 54
Mean −0.01517
Std Dev 1.179
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

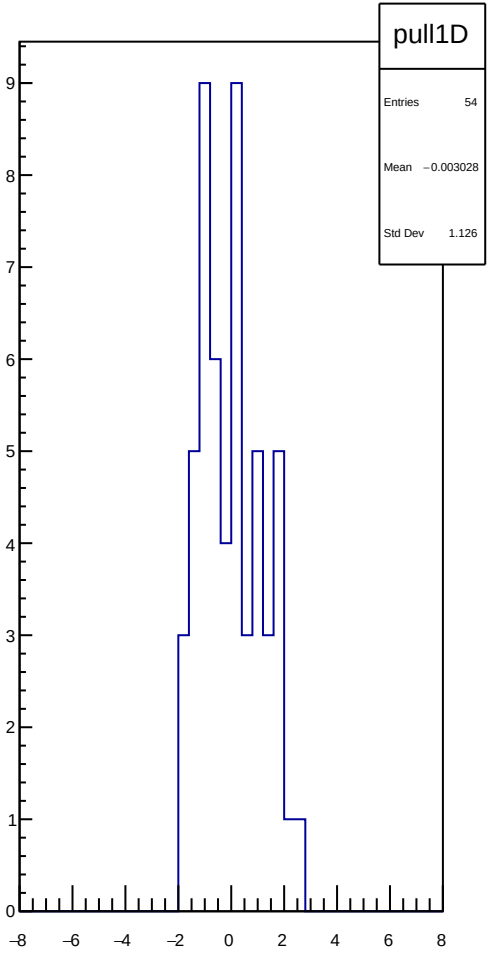

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1938 / 53
p0 6173 ± 5.993
6800
6600
6400
6200
6000
5800
5600

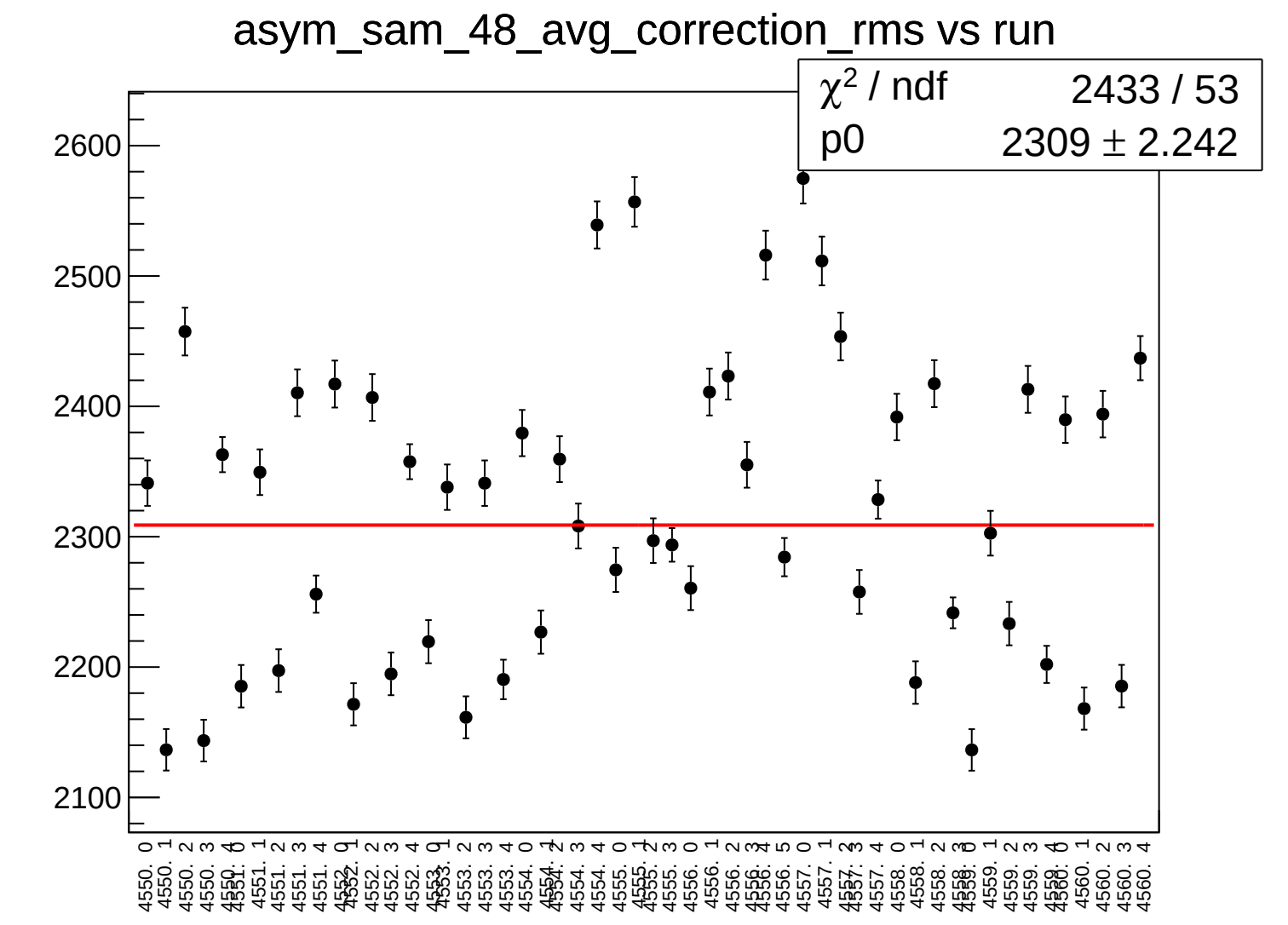

reg_asym_sam_48_avg_mean vs run
χ² / ndf 56.32 / 53
p0 515.6 ± 720.7
pull
Entries 54
Mean −60.88
Std Dev 103.1

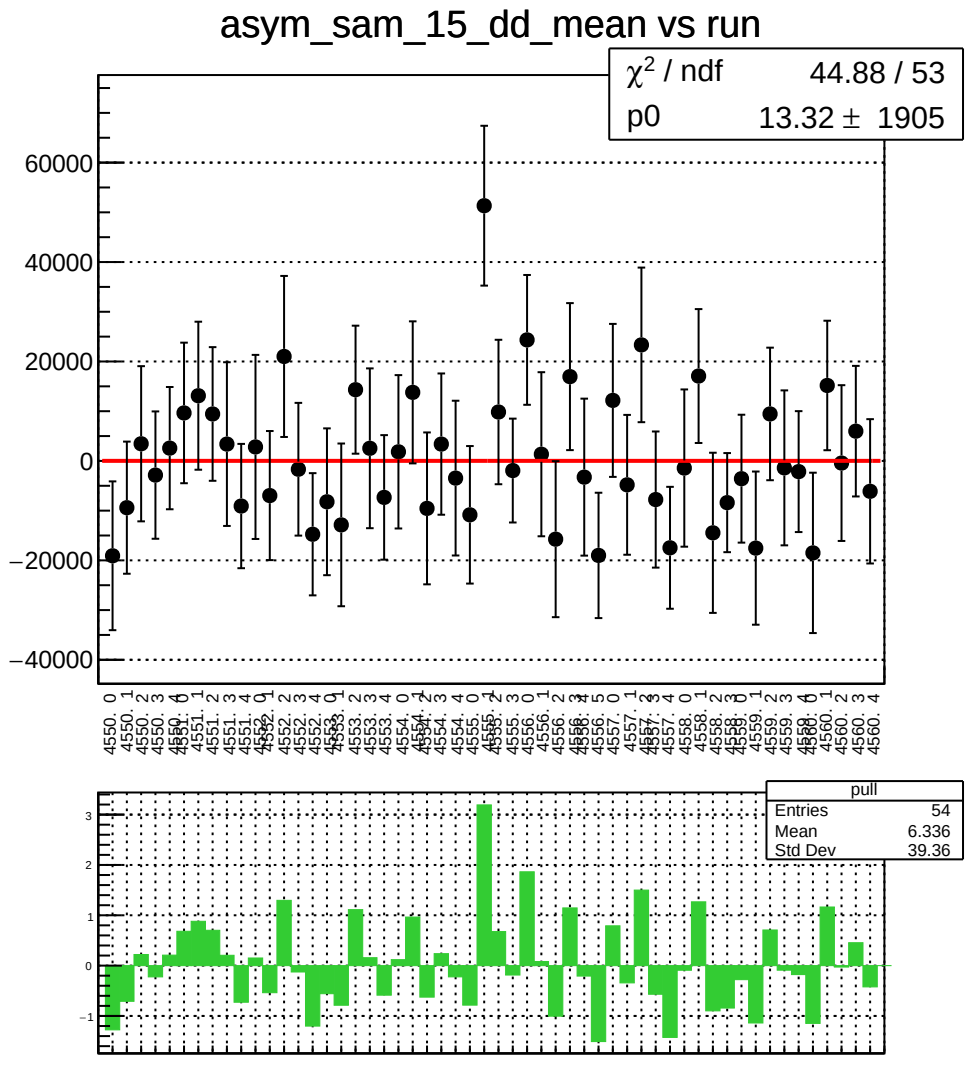

pull1D
Entries 54
Mean −0.01309
Std Dev 1.021

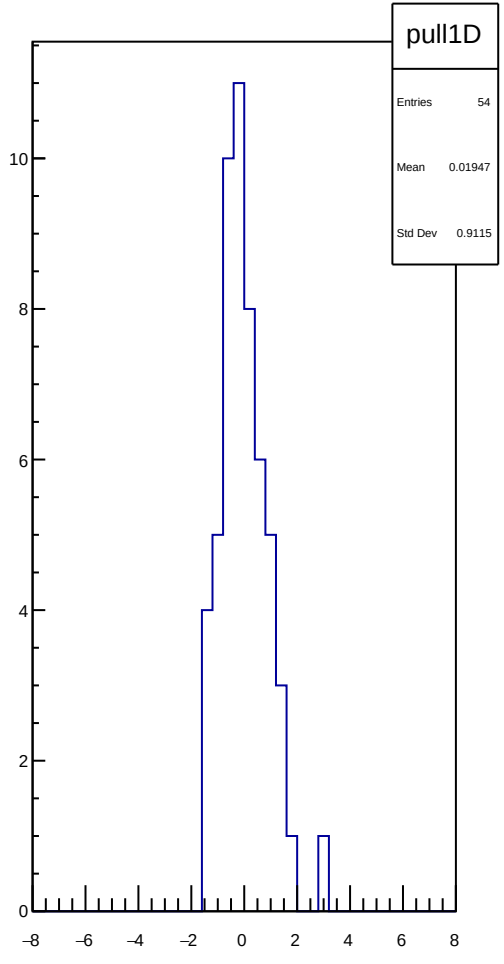

reg_asym_sam_48_avg_rms vs run
χ² / ndf 3926 / 53
p0 524.4 ± 0.5096
680
660
640
620
600
580
560
540
520
500
480

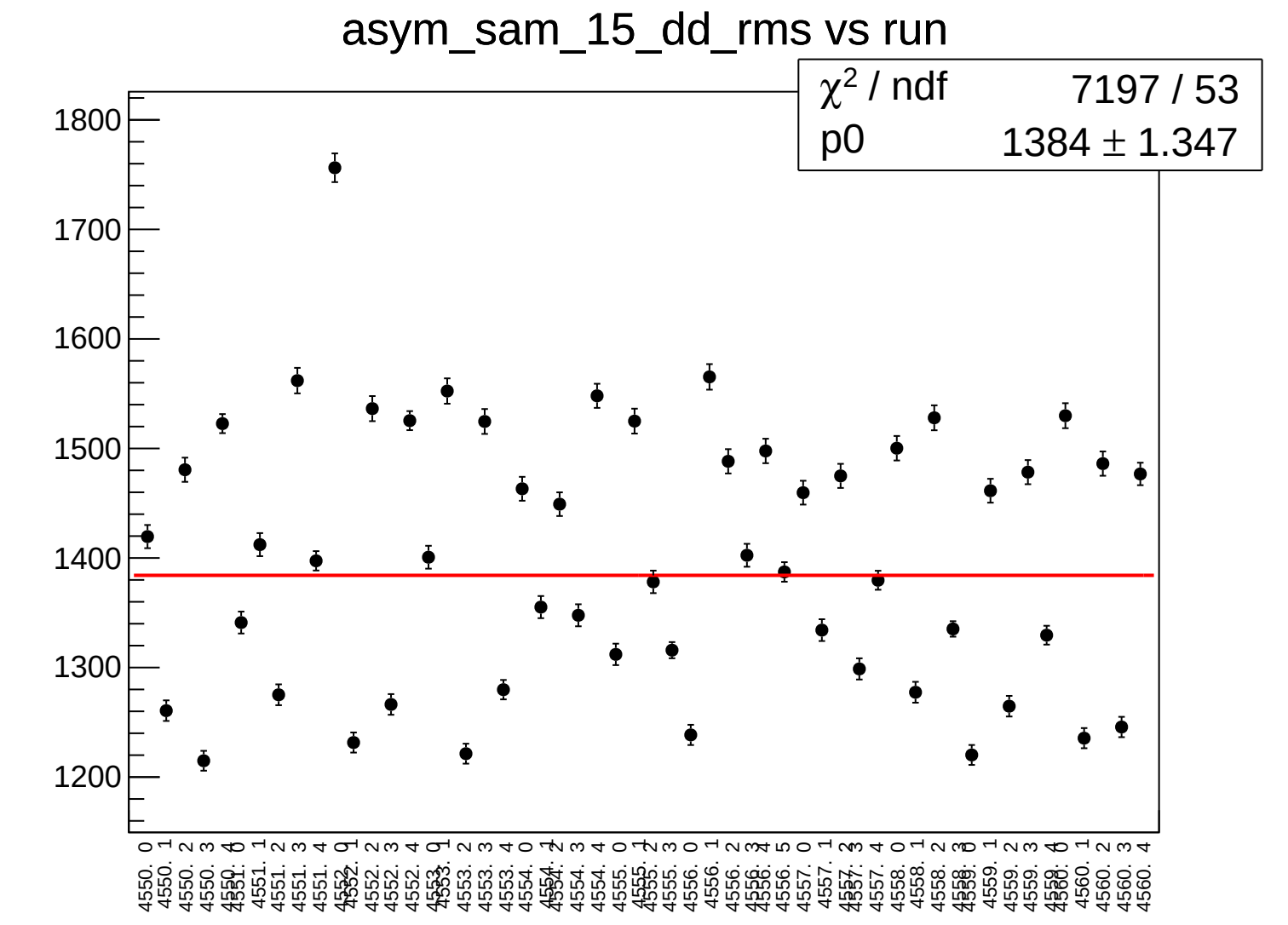

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 68.5 / 53
p0 −141.5 ± 3171
pull
Entries 54
Mean 348.1
Std Dev 288.4

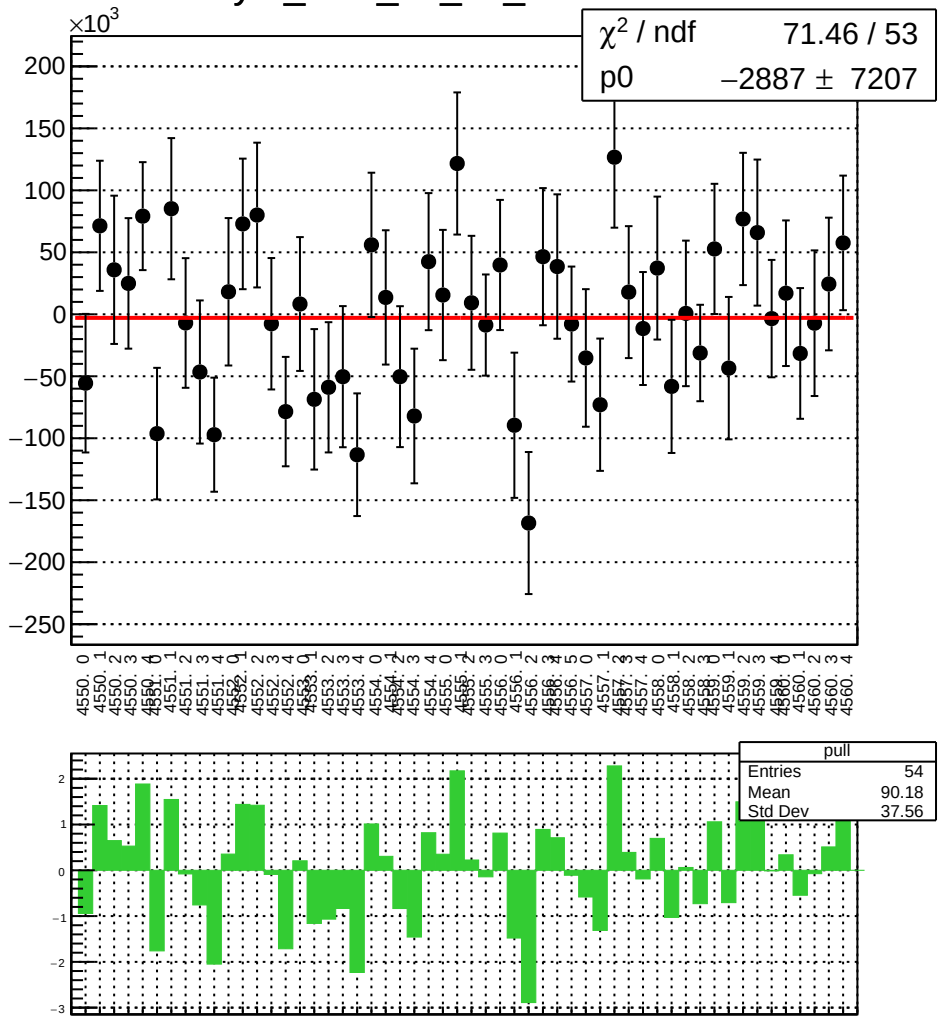

pull1D
Entries 54
Mean −0.003028
Std Dev 1.126

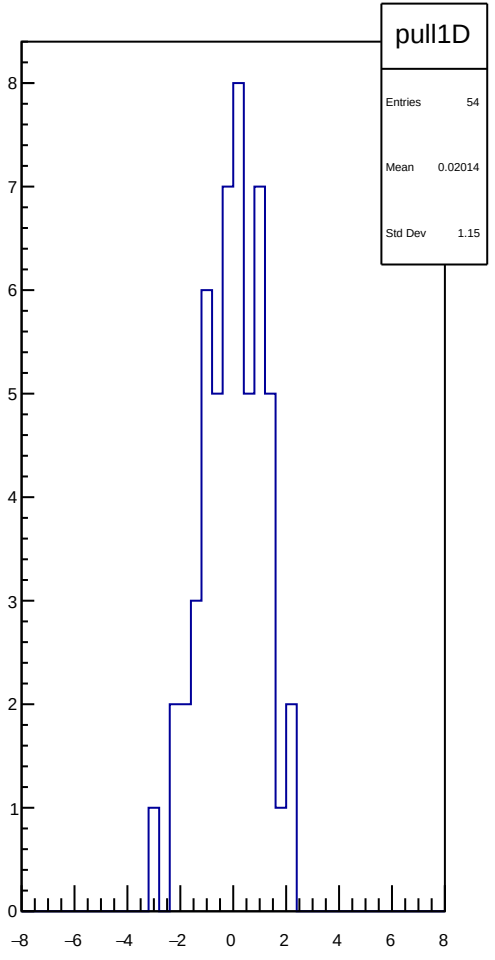

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2433 / 53
p0 2309 ± 2.242
2600
2500
2400
2300
2200
2100

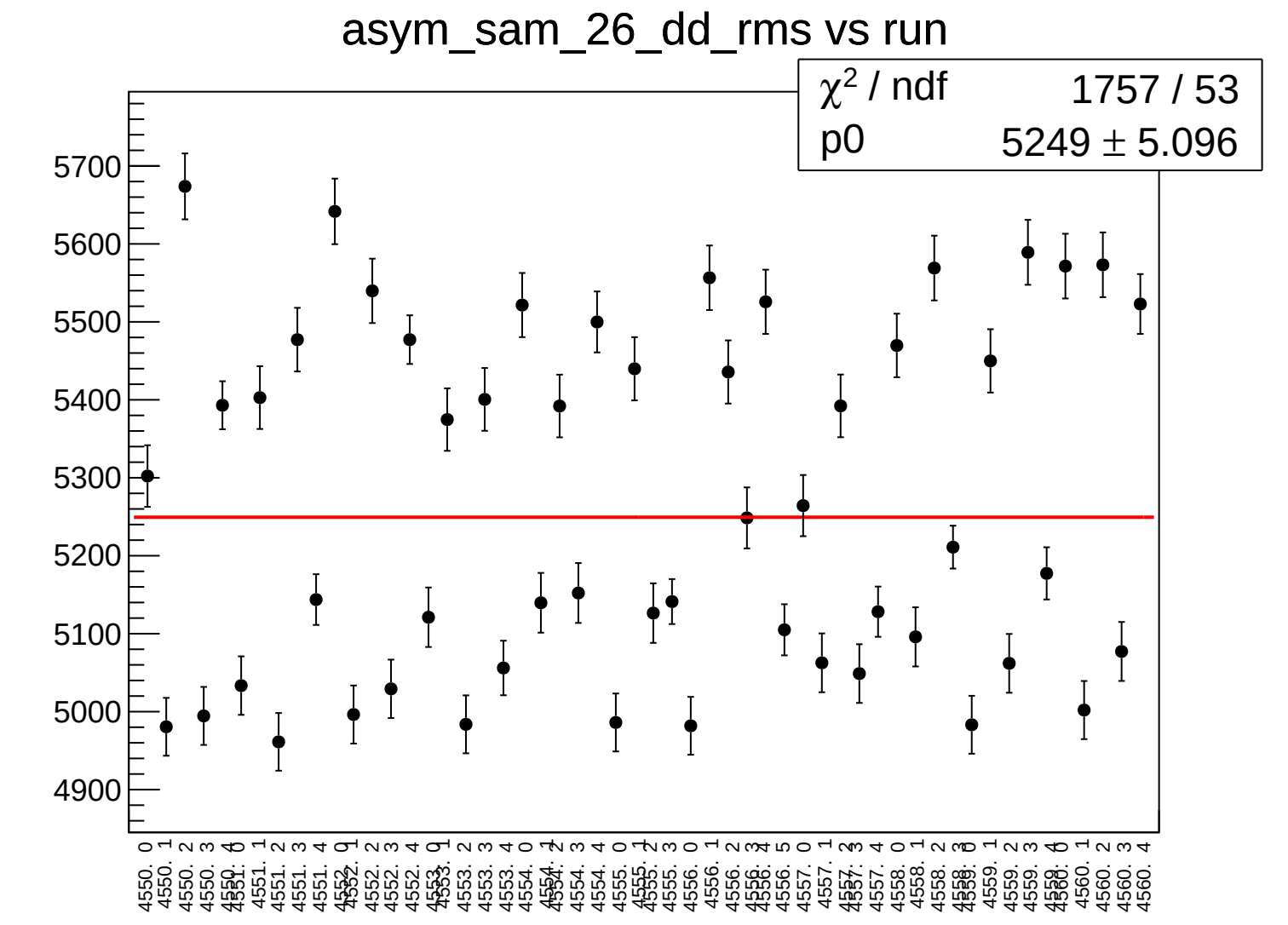

asym_sam_15_dd_mean vs run
χ² / ndf 44.88 / 53
p0 13.32 ± 1905
60000
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 6.336
Std Dev 39.36
3
2
1
0
−1

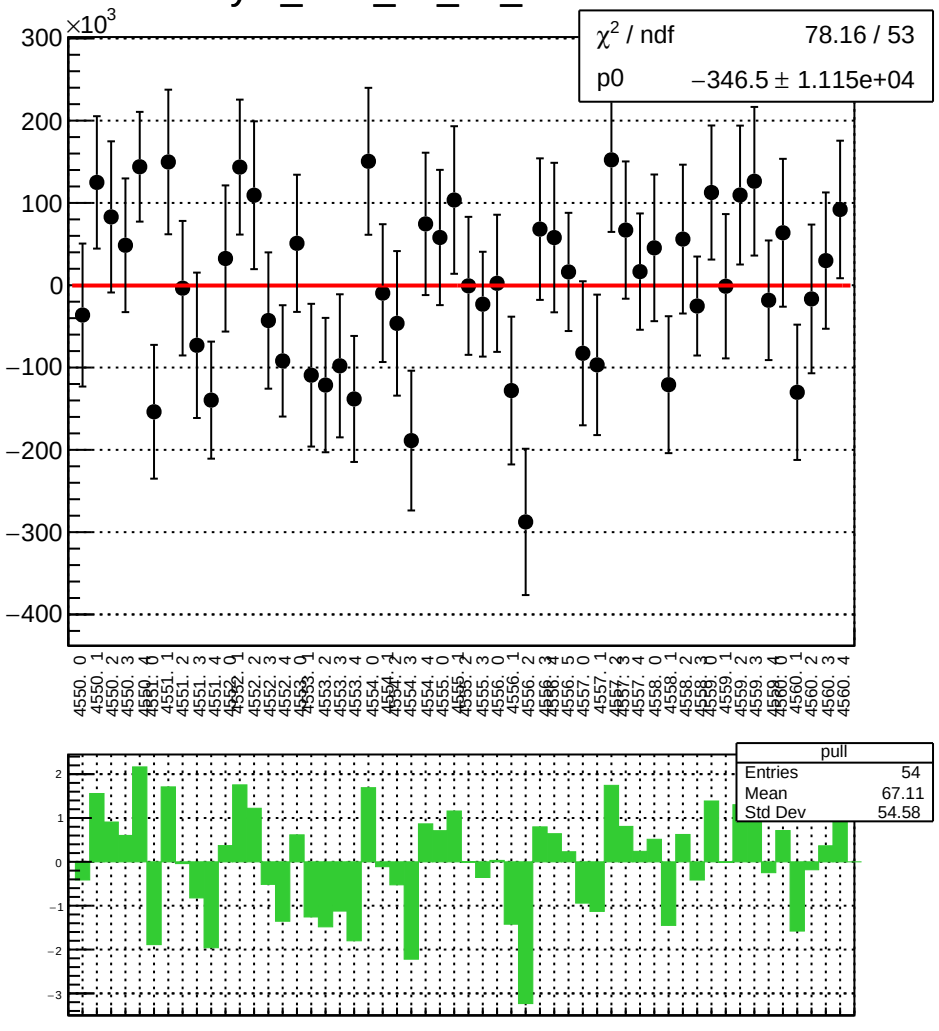

pull1D
Entries 54
Mean 0.01947
Std Dev 0.9115
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

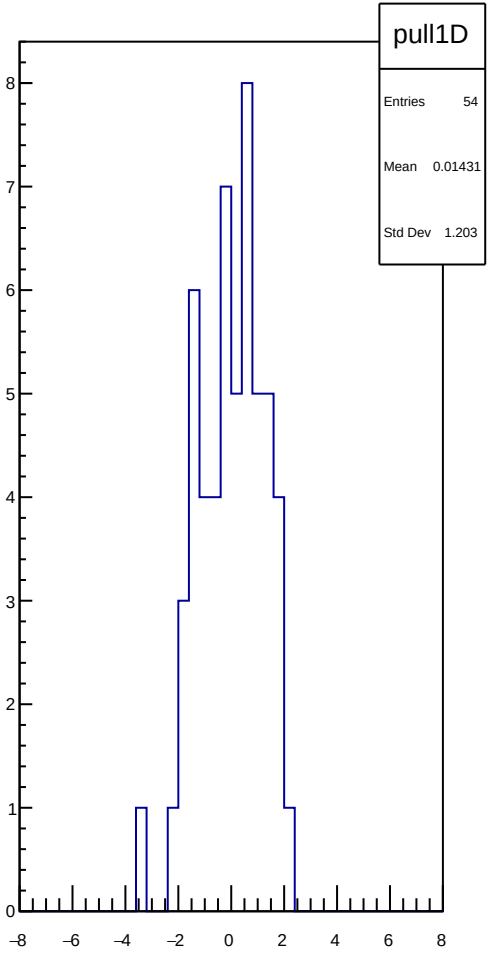

asym_sam_15_dd_rms vs run
χ² / ndf 7197 / 53
p0 1384 ± 1.347
1800
1700
1600
1500
1400
1300
1200
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

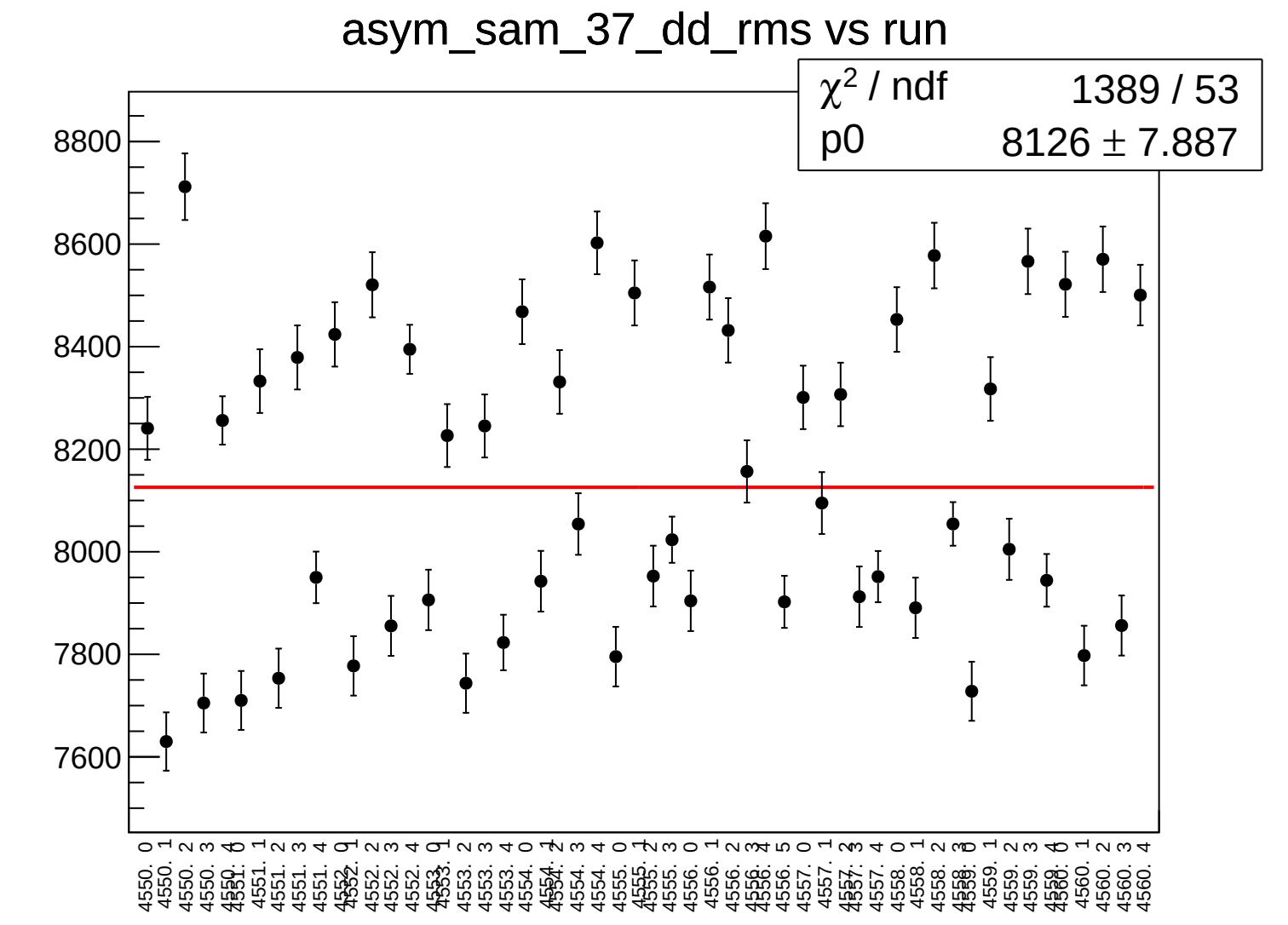

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 71.46 / 53
p0 −2887 ± 7207
pull
Entries 54
Mean 90.18
Std Dev 37.56

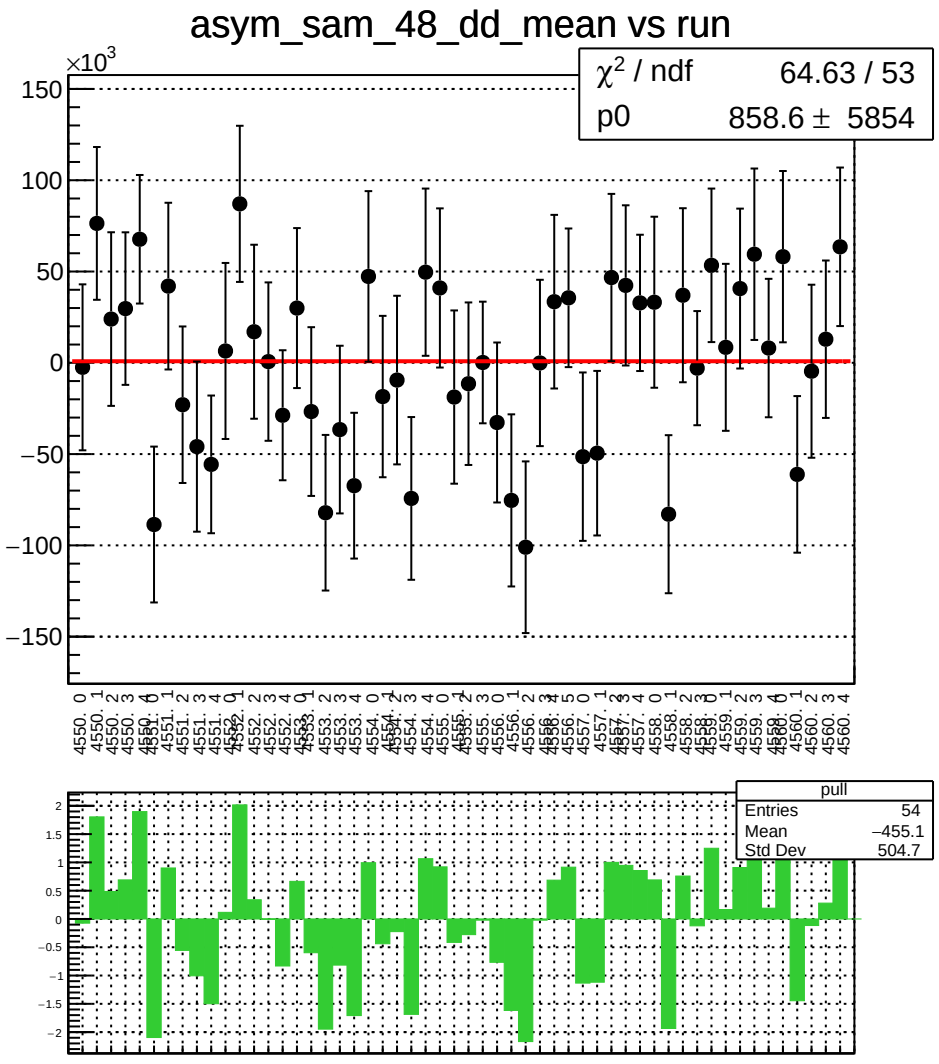

pull1D
Entries 54
Mean 0.02014
Std Dev 1.15

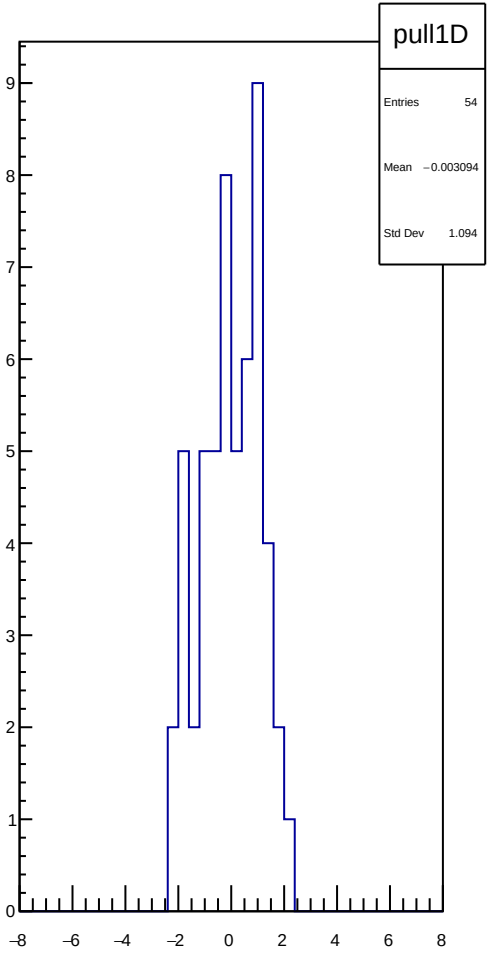

asym_sam_26_dd_rms vs run
χ² / ndf 1757 / 53
p0 5249 ± 5.096
5700
5600
5500
5400
5300
5200
5100
5000
4900

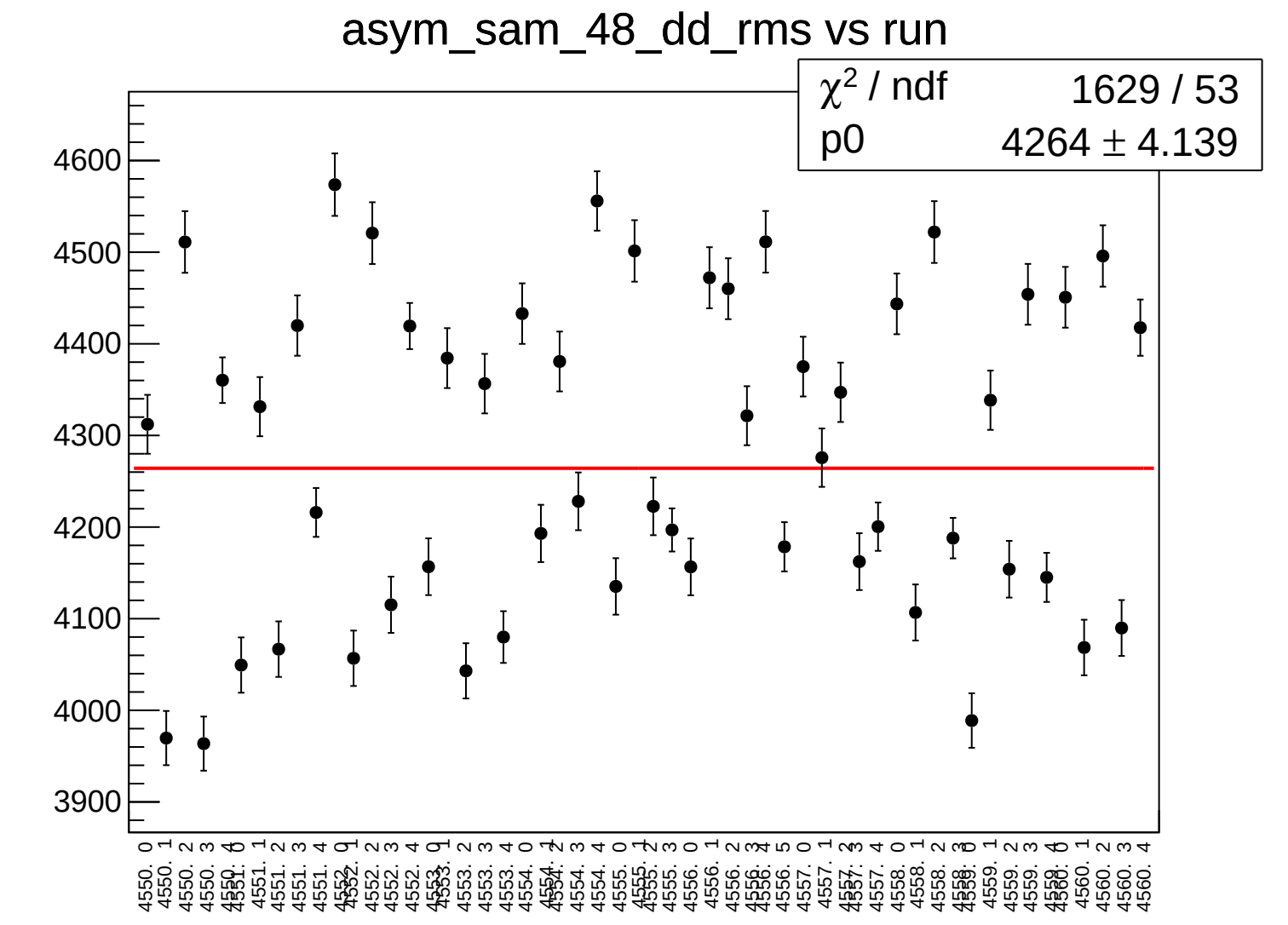

asym_sam_37_dd_mean vs run
×10^3
χ² / ndf 78.16 / 53
p0 −346.5 ± 1.115e+04
pull
Entries 54
Mean 67.11
Std Dev 54.58

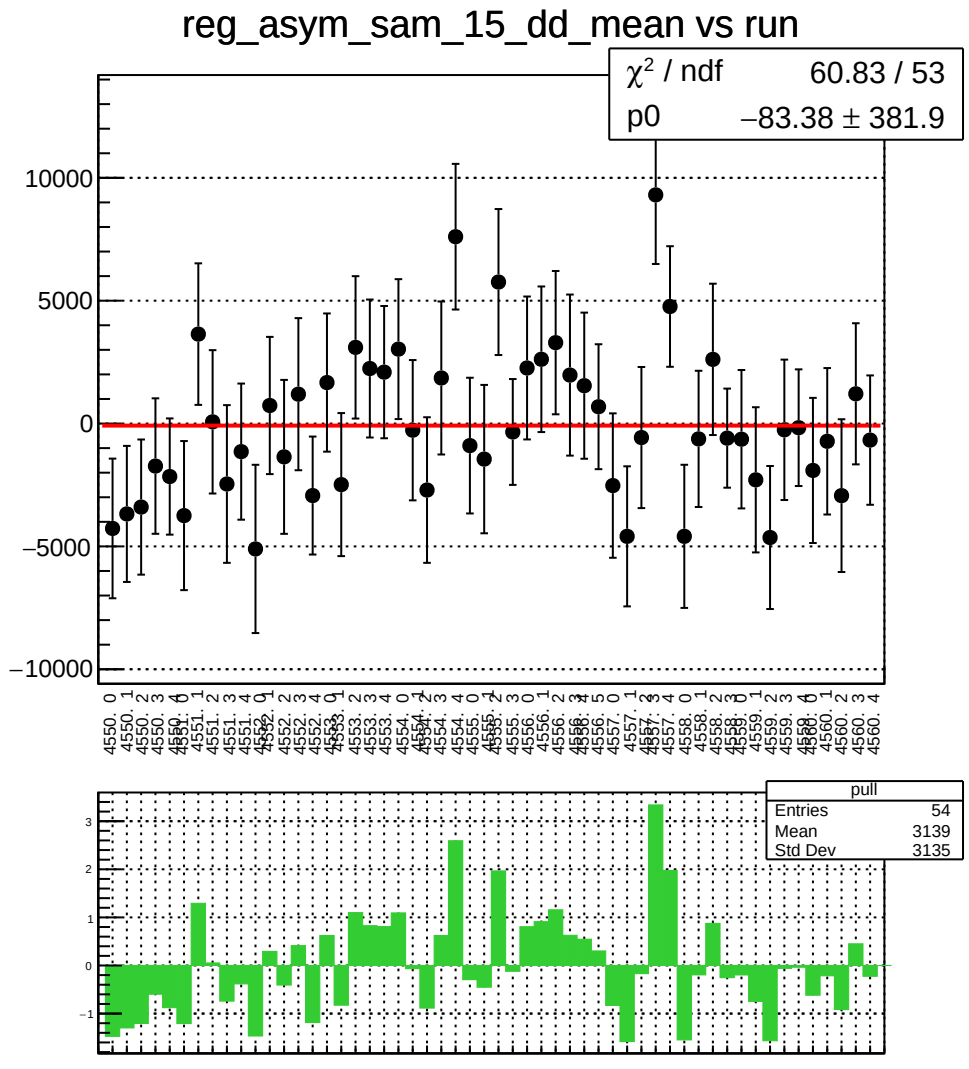

pull1D
Entries 54
Mean 0.01431
Std Dev 1.203

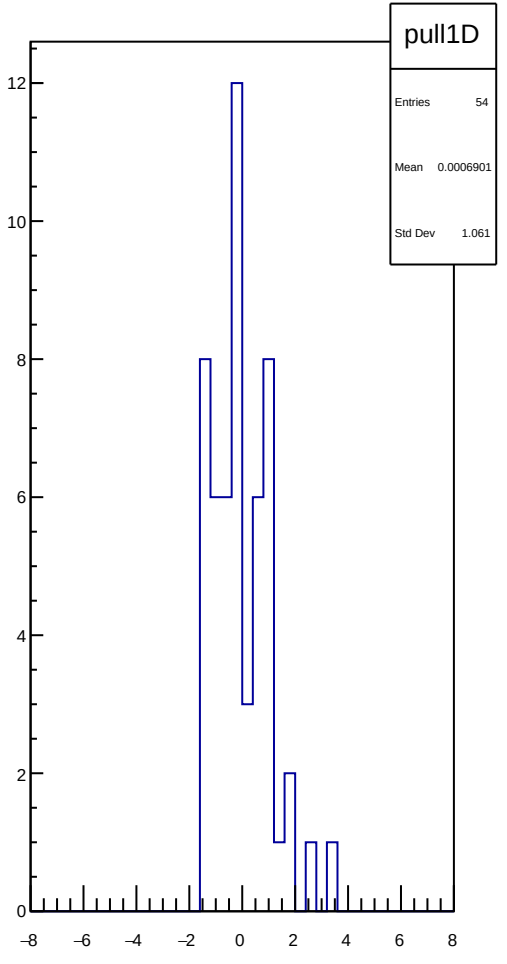

asym_sam_37_dd_rms vs run
χ² / ndf 1389 / 53
p0 8126 ± 7.887
8800
8600
8400
8200
8000
7800
7600

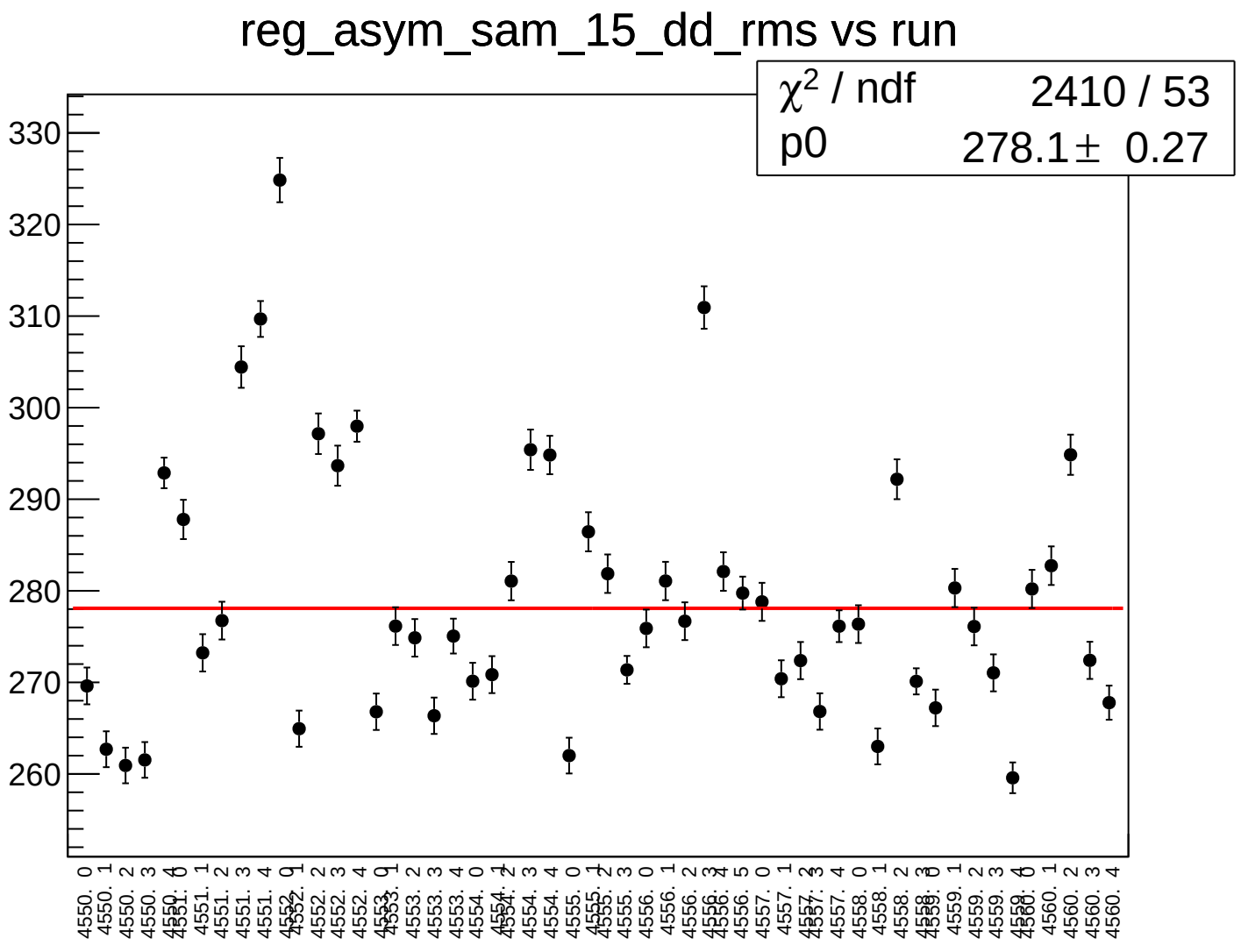

asym_sam_48_dd_mean vs run
×10^3
χ^2 / ndf 64.63 / 53
p0 858.6 ± 5854
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −455.1
Std Dev 504.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

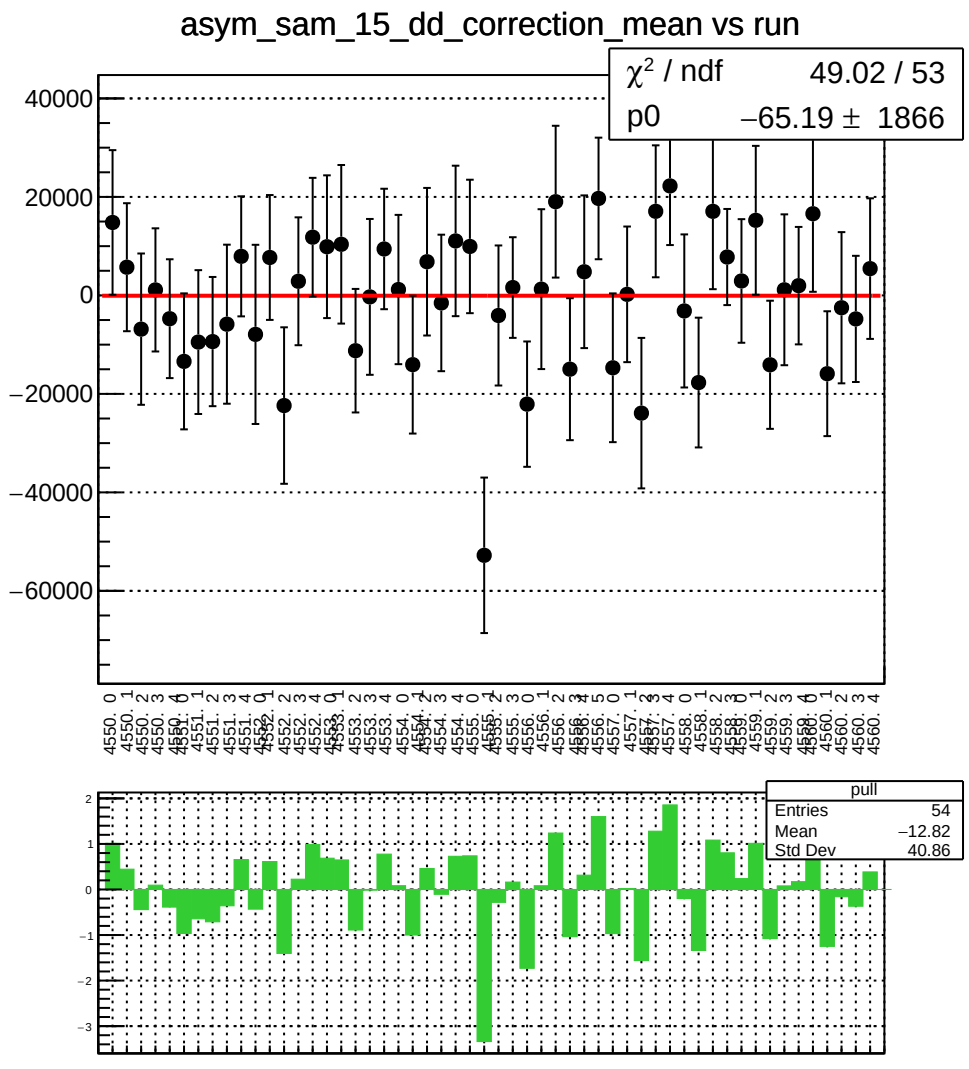

pull1D
Entries 54
Mean −0.003094
Std Dev 1.094
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

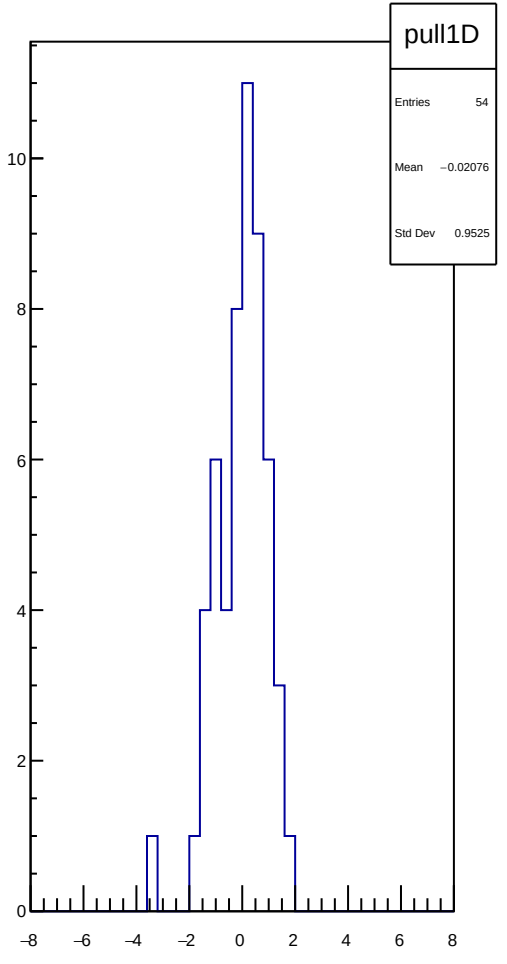

asym_sam_48_dd_rms vs run
χ² / ndf 1629 / 53
p0 4264 ± 4.139
4600
4500
4400
4300
4200
4100
4000
3900
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

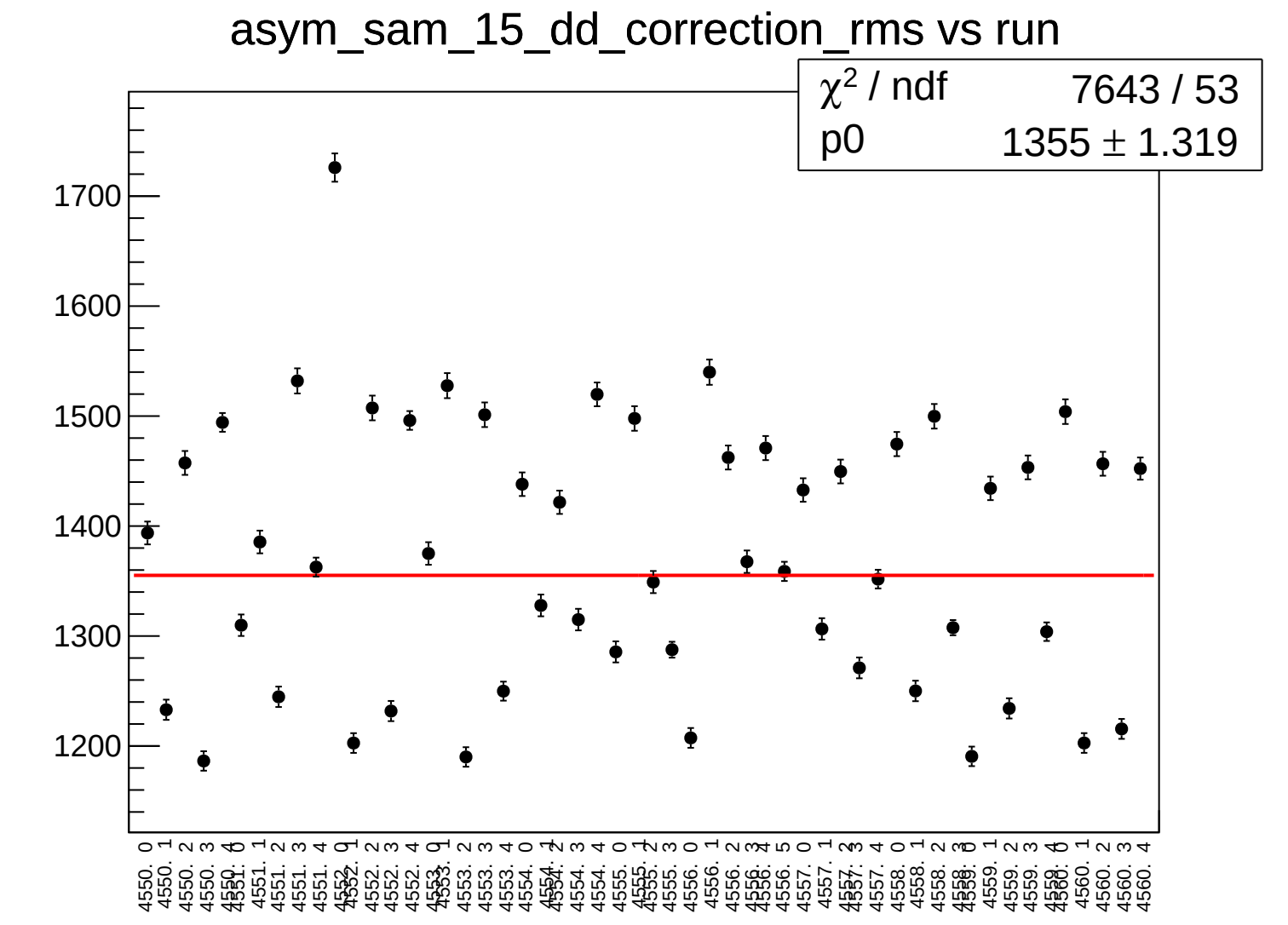

reg_asym_sam_15_dd_mean vs run
χ² / ndf 60.83 / 53
p0 −83.38 ± 381.9
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 3139
Std Dev 3135
3
2
1
0
−1

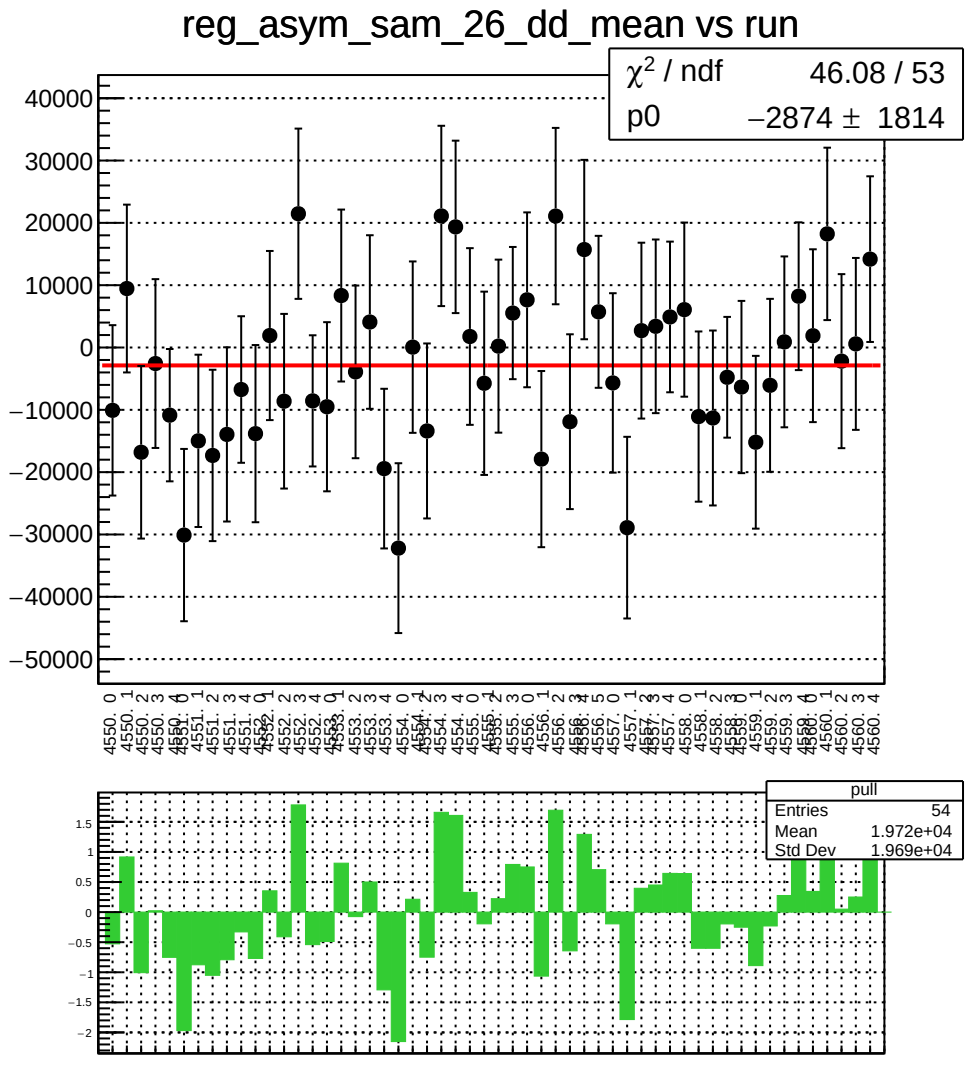

pull1D
Entries 54
Mean 0.0006901
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

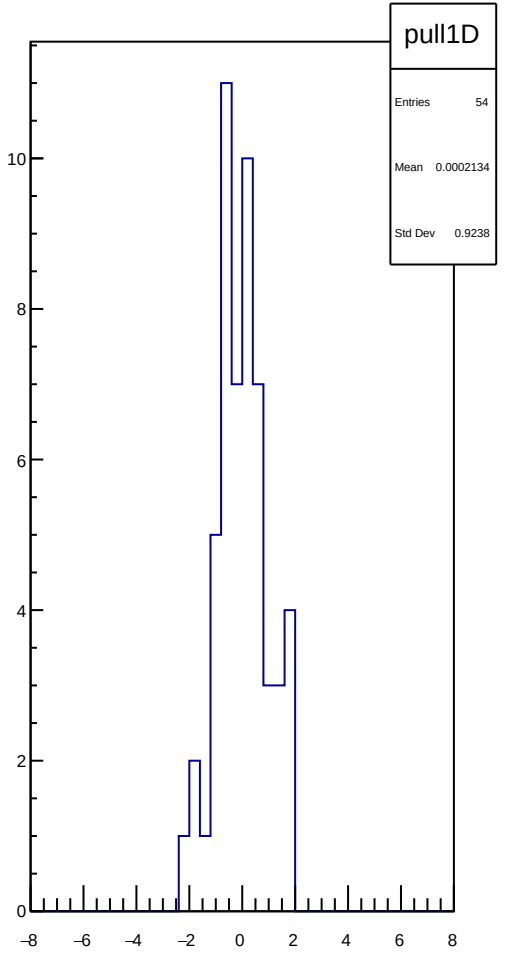

reg_asym_sam_15_dd_rms vs run
χ² / ndf 2410 / 53
p0 278.1 ± 0.27
330
320
310
300
290
280
270
260
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

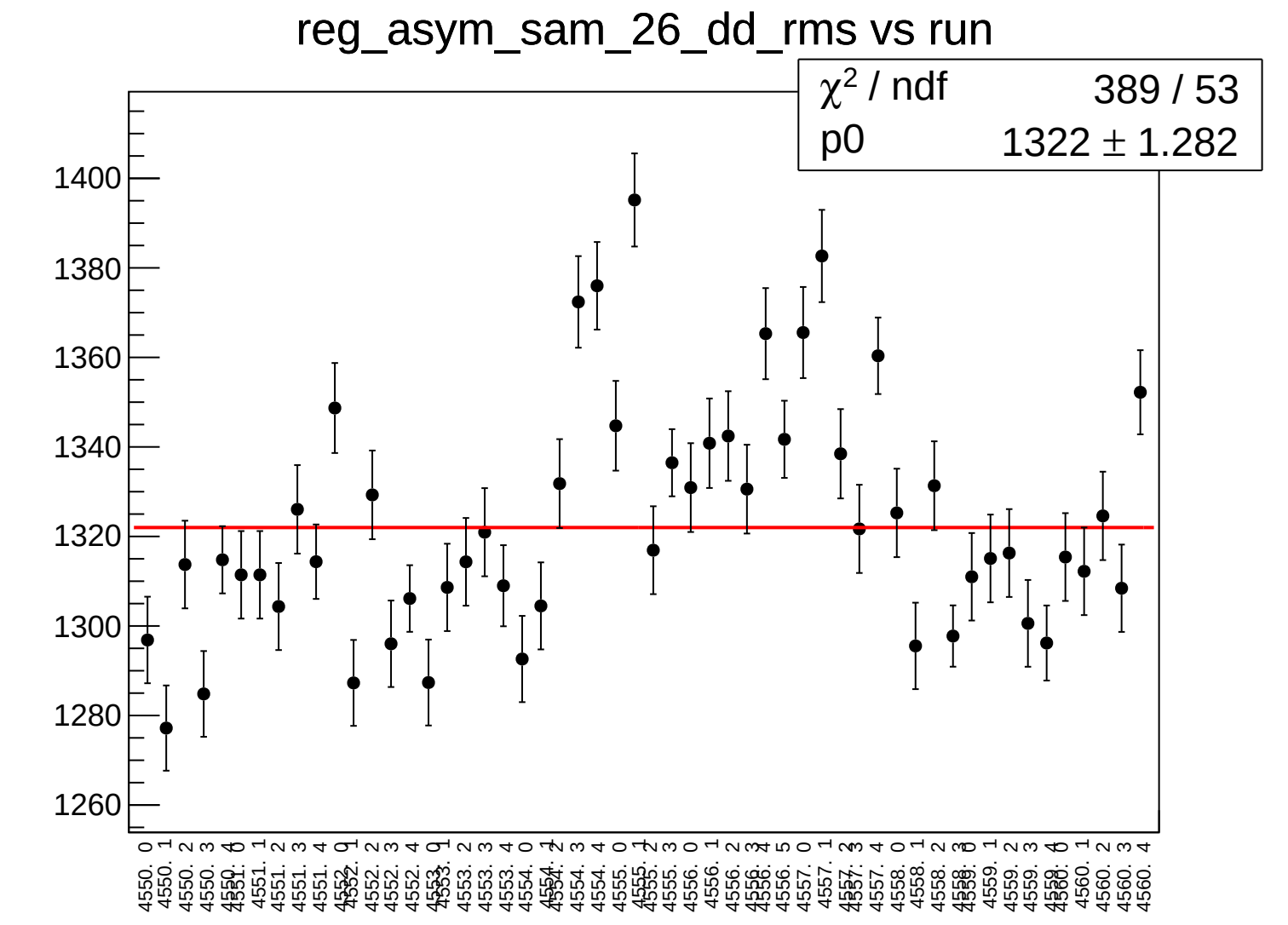

asym_sam_15_dd_correction_mean vs run
χ² / ndf 49.02 / 53
p0 −65.19 ± 1866
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −12.82
Std Dev 40.86
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.02076
Std Dev 0.9525
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 7643 / 53
p0 1355 ± 1.319
1700
1600
1500
1400
1300
1200
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4


reg_asym_sam_26_dd_mean vs run
χ² / ndf 46.08 / 53
p0 −2874 ± 1814
pull
Entries 54
Mean 1.972e+04
Std Dev 1.969e+04


pull1D
Entries 54
Mean 0.0002134
Std Dev 0.9238


reg_asym_sam_26_dd_rms vs run
χ² / ndf 389 / 53
p0 1322 ± 1.282
1400
1380
1360
1340
1320
1300
1280
1260
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
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4553. 2
4553. 3
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4555. 0
4555. 1
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4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
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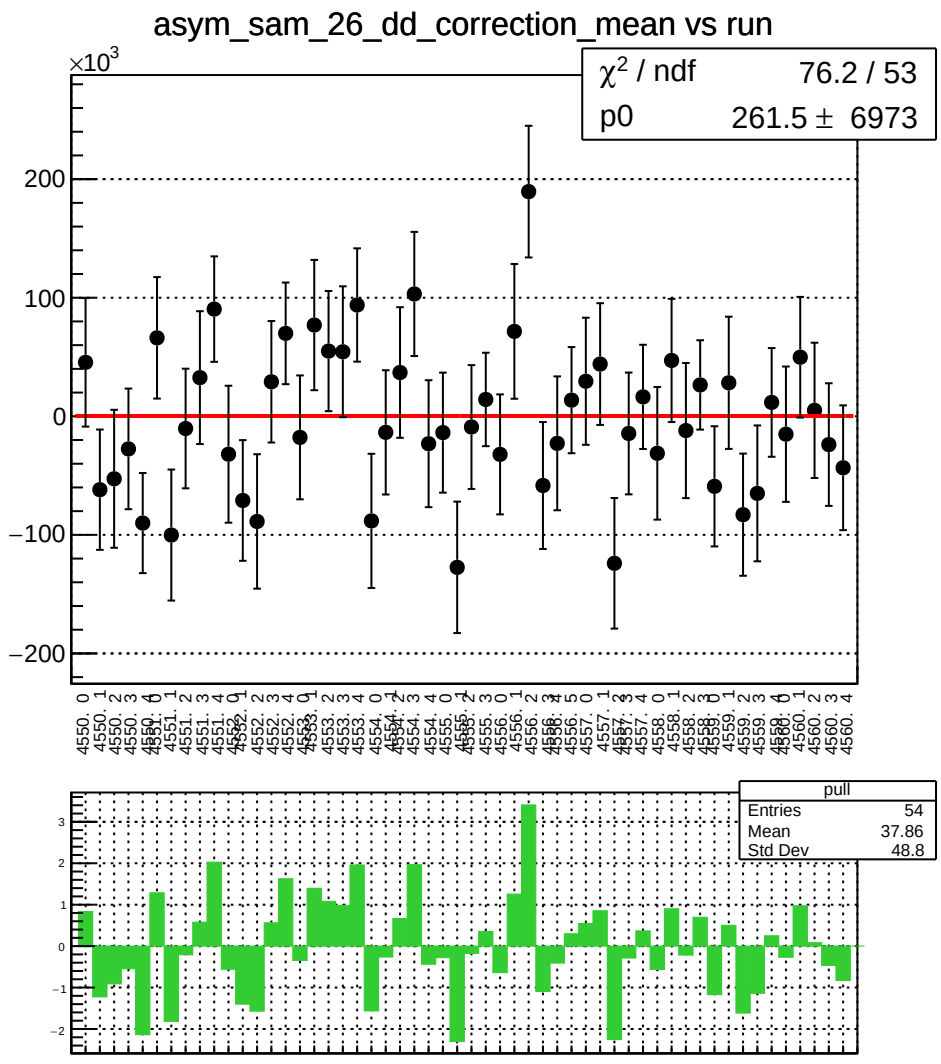
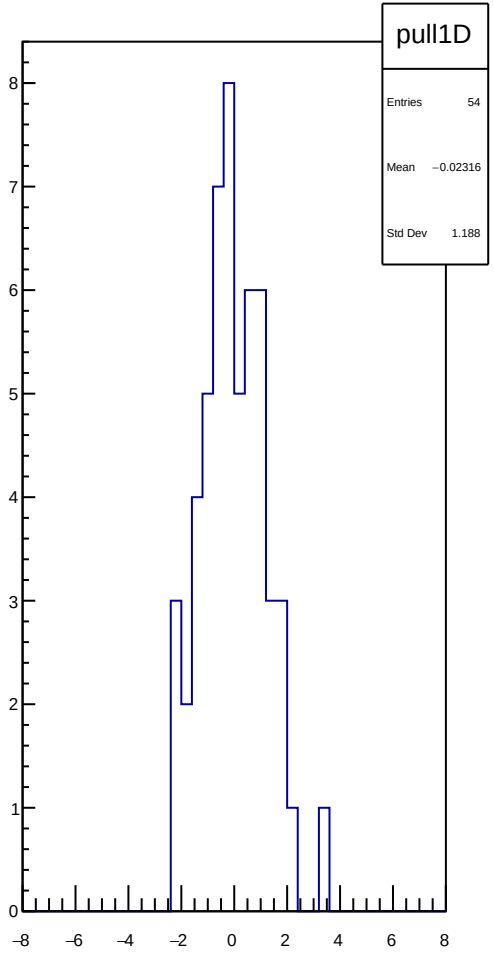
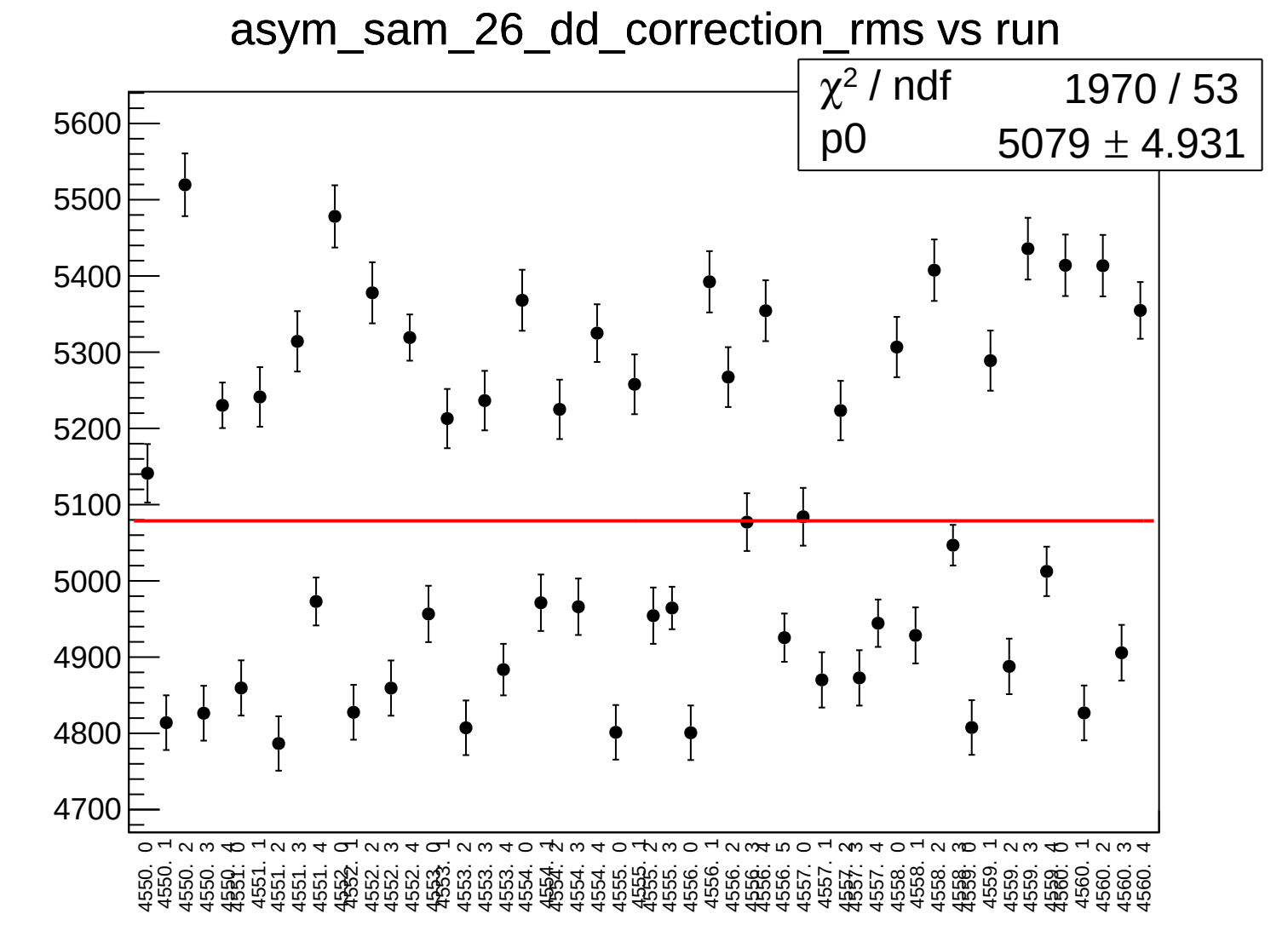
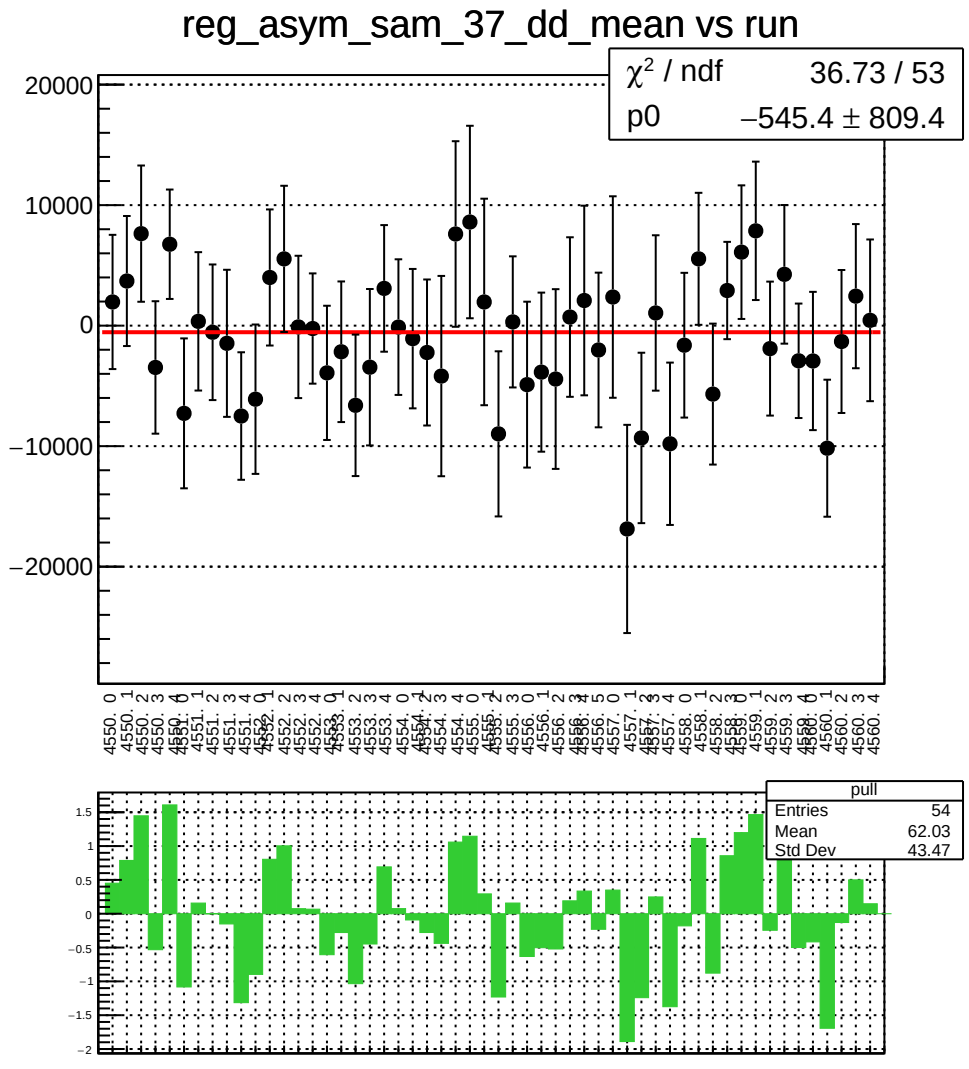
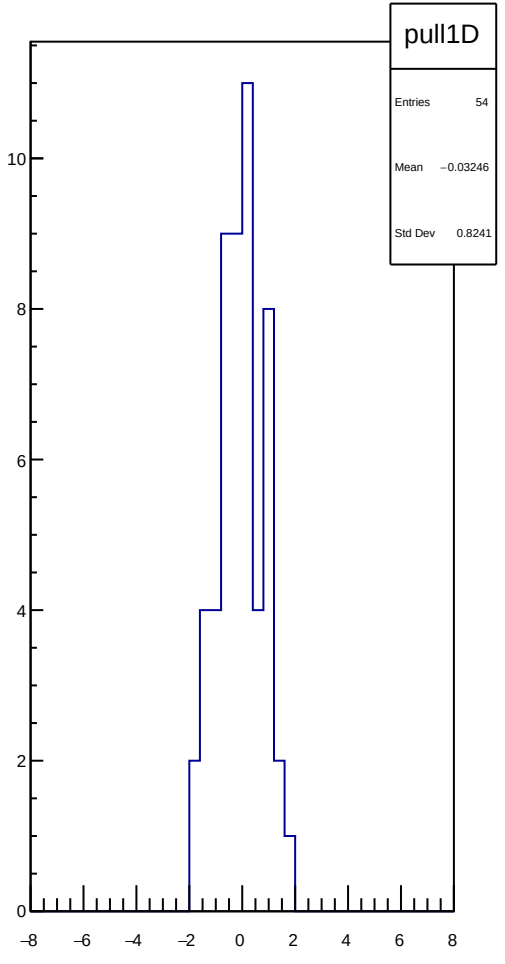
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

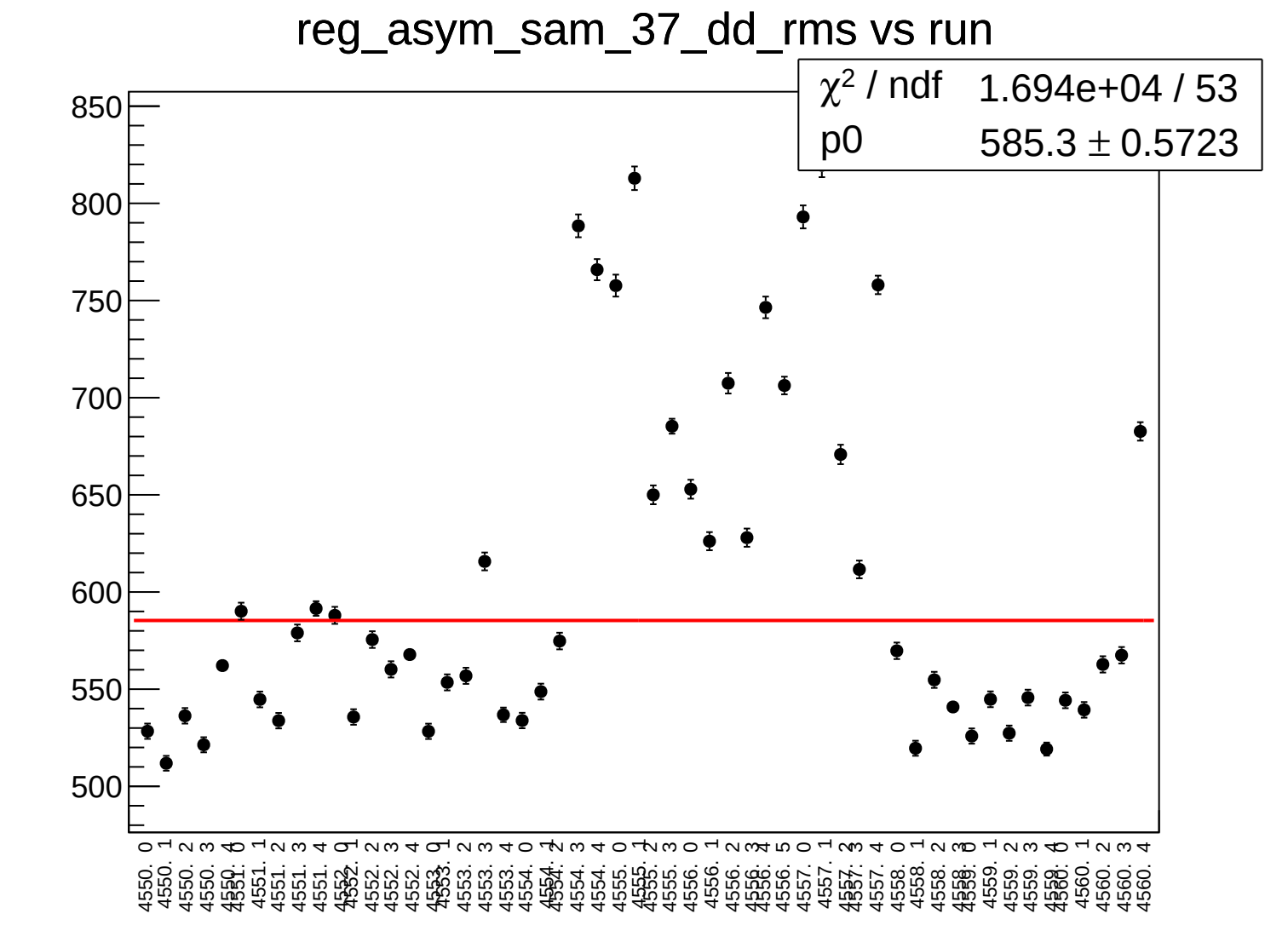

asym_sam_26_dd_correction_mean vs run
×10^3
χ^2 / ndf 76.2 / 53
p0 261.5 ± 6973
200
100
0
−100
−200
pull
Entries 54
Mean 37.86
Std Dev 48.8
3
2
1
0
−1
−2

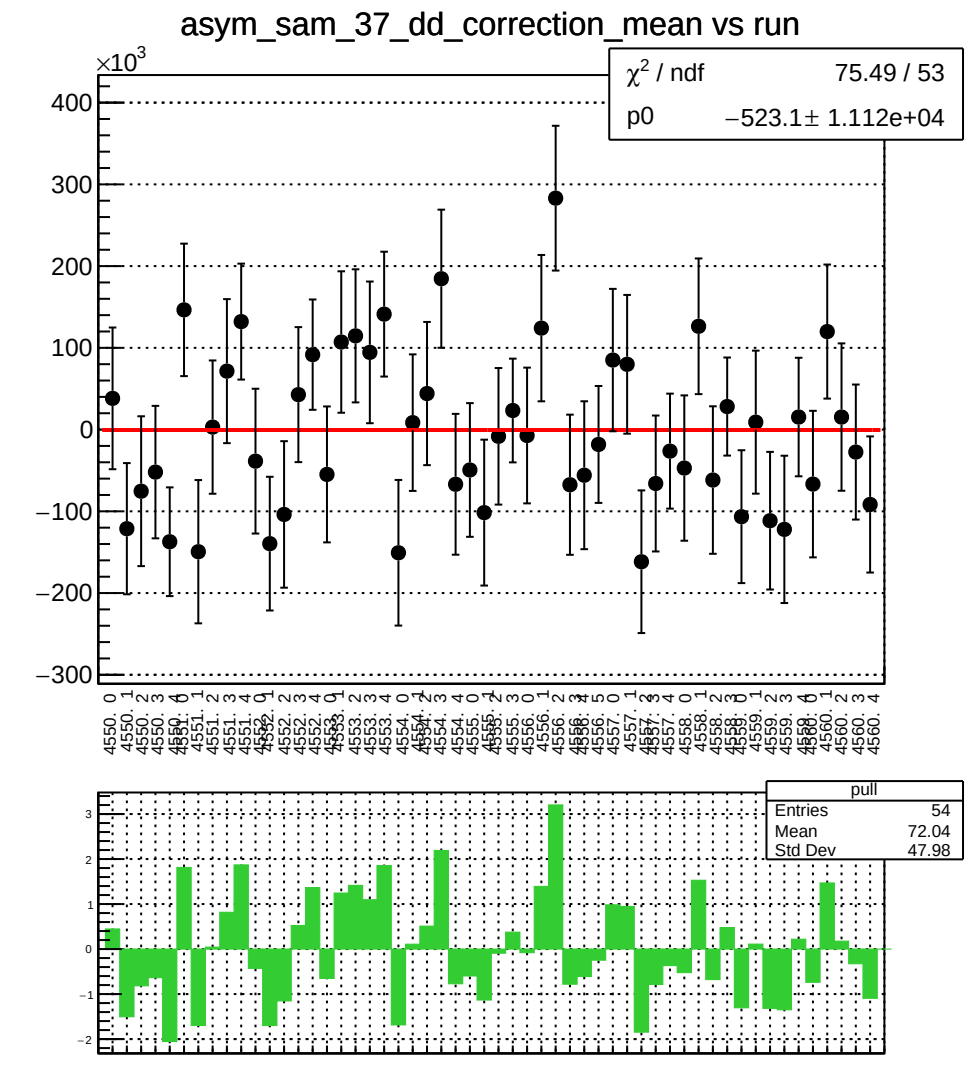

pull1D
Entries 54
Mean −0.02316
Std Dev 1.188
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

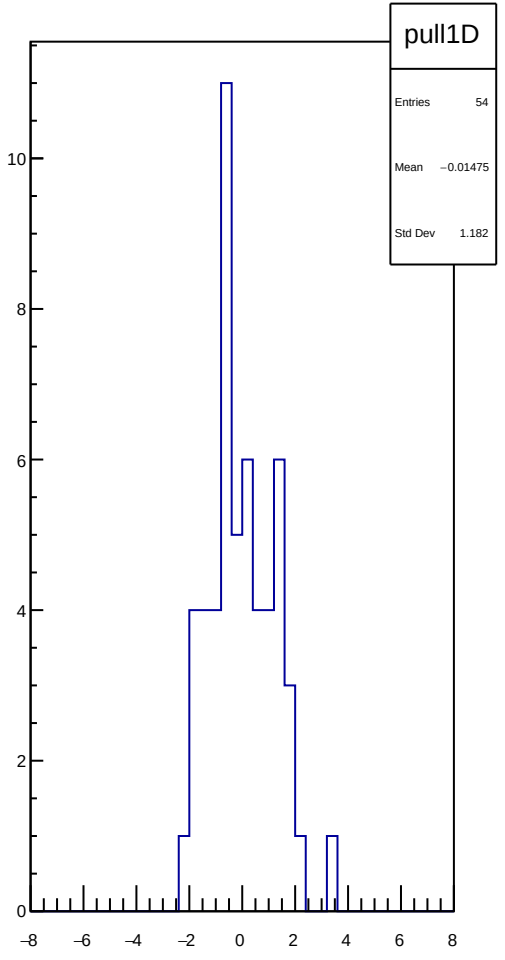

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1970 / 53
p0 5079 ± 4.931
5600
5500
5400
5300
5200
5100
5000
4900
4800
4700
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

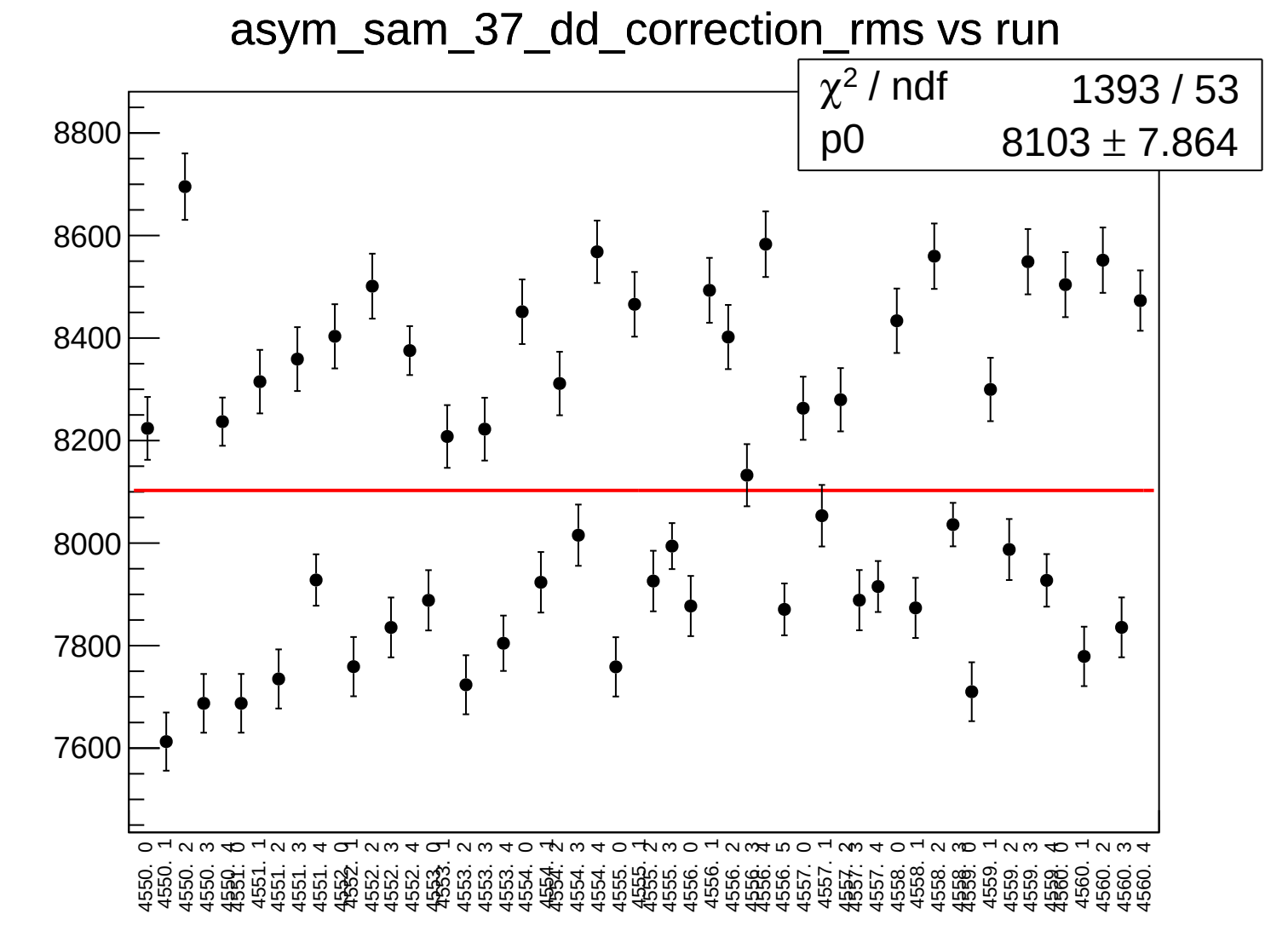

reg_asym_sam_37_dd_mean vs run
χ² / ndf 36.73 / 53
p0 −545.4 ± 809.4
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 62.03
Std Dev 43.47
1.5
1
0.5
0
−0.5
−1
−1.5
−2

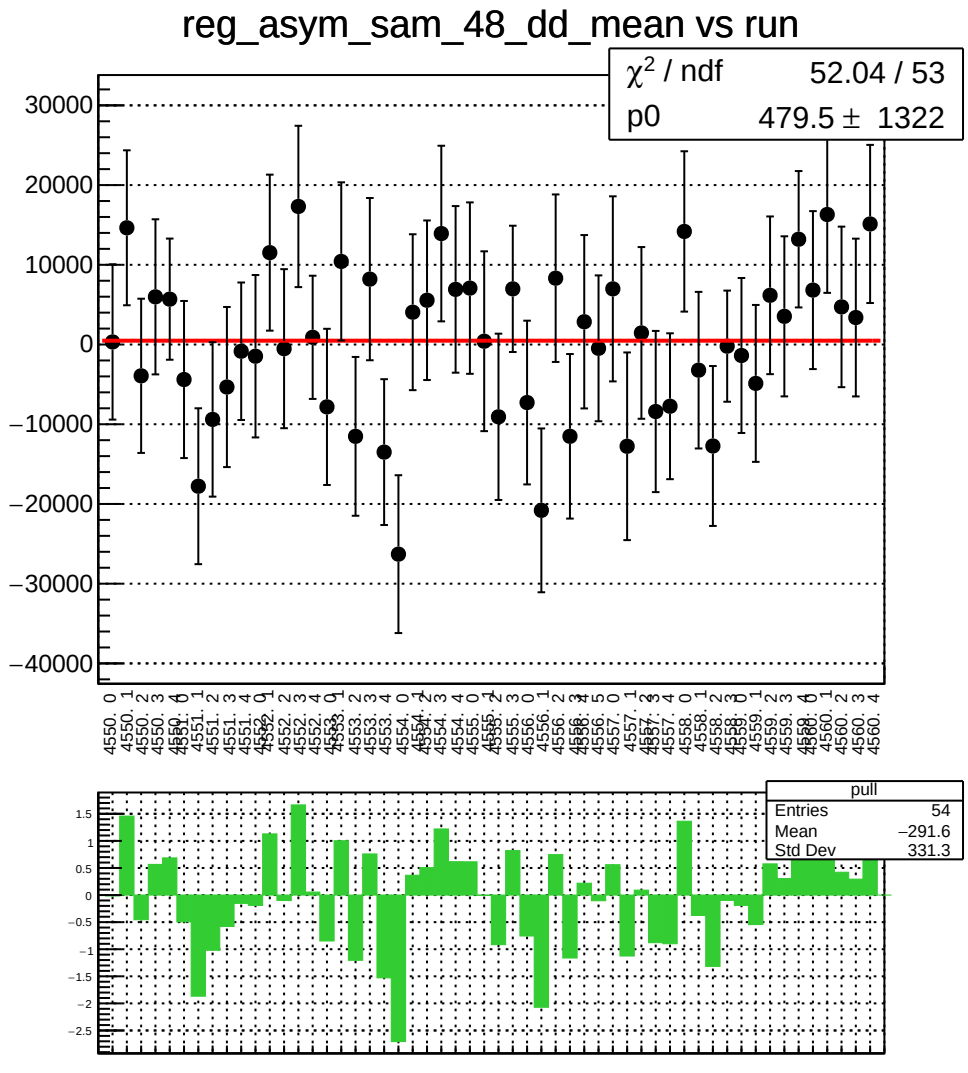

pull1D
Entries 54
Mean −0.03246
Std Dev 0.8241
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

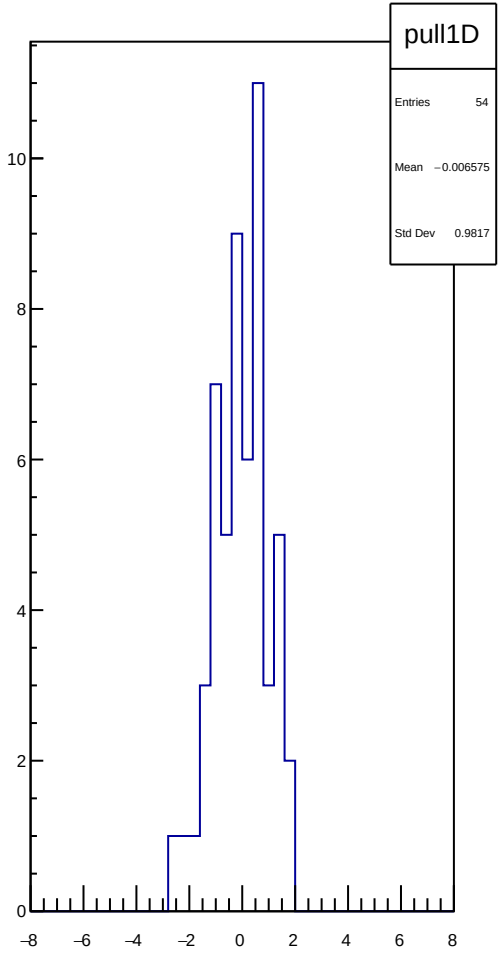

reg_asym_sam_37_dd_rms vs run
χ² / ndf 1.694e+04 / 53
p0 585.3 ± 0.5723
850
800
750
700
650
600
550
500
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

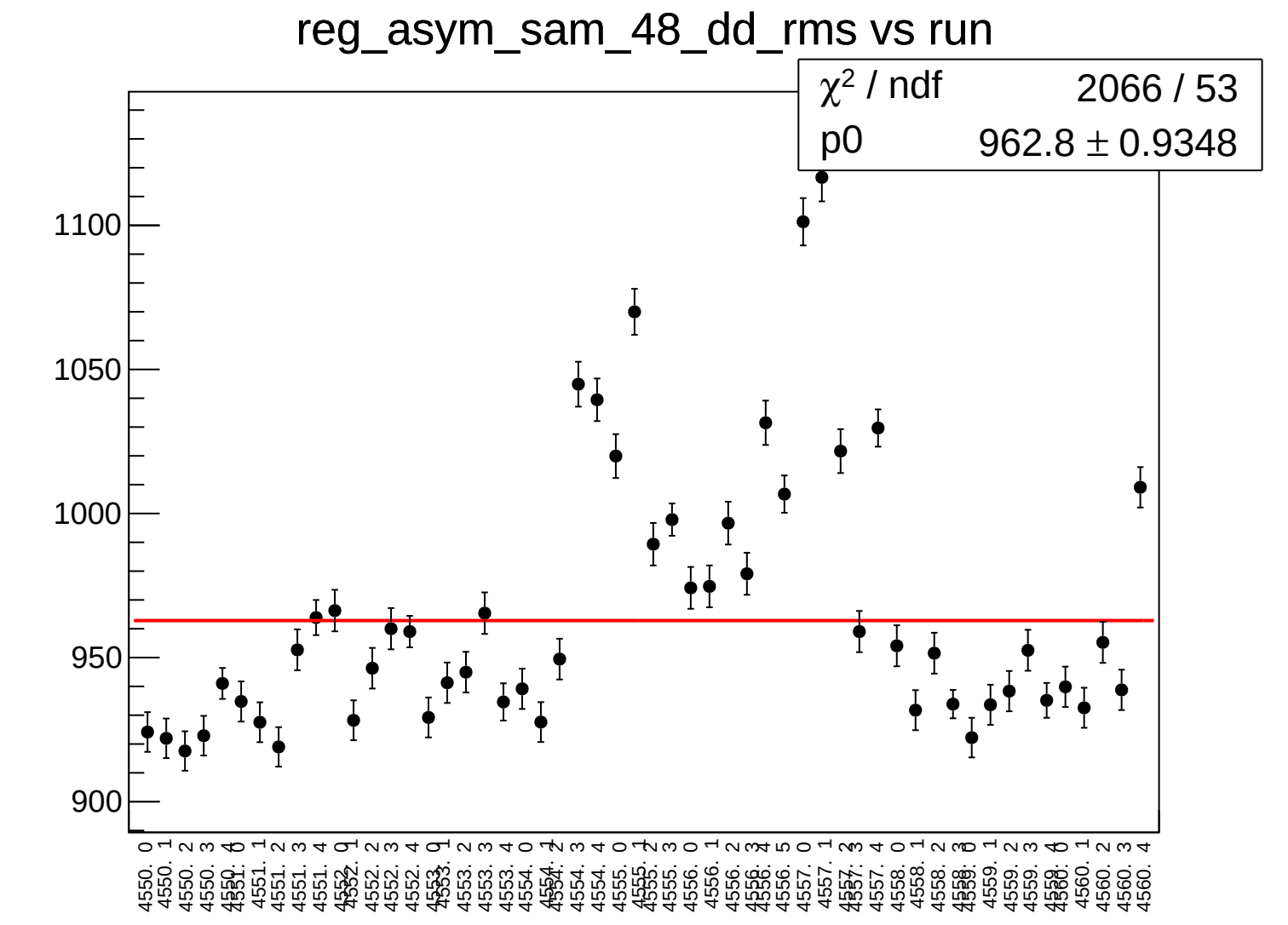

asym_sam_37_dd_correction_mean vs run
×10^3
χ² / ndf 75.49 / 53
p0 −523.1± 1.112e+04
pull
Entries 54
Mean 72.04
Std Dev 47.98

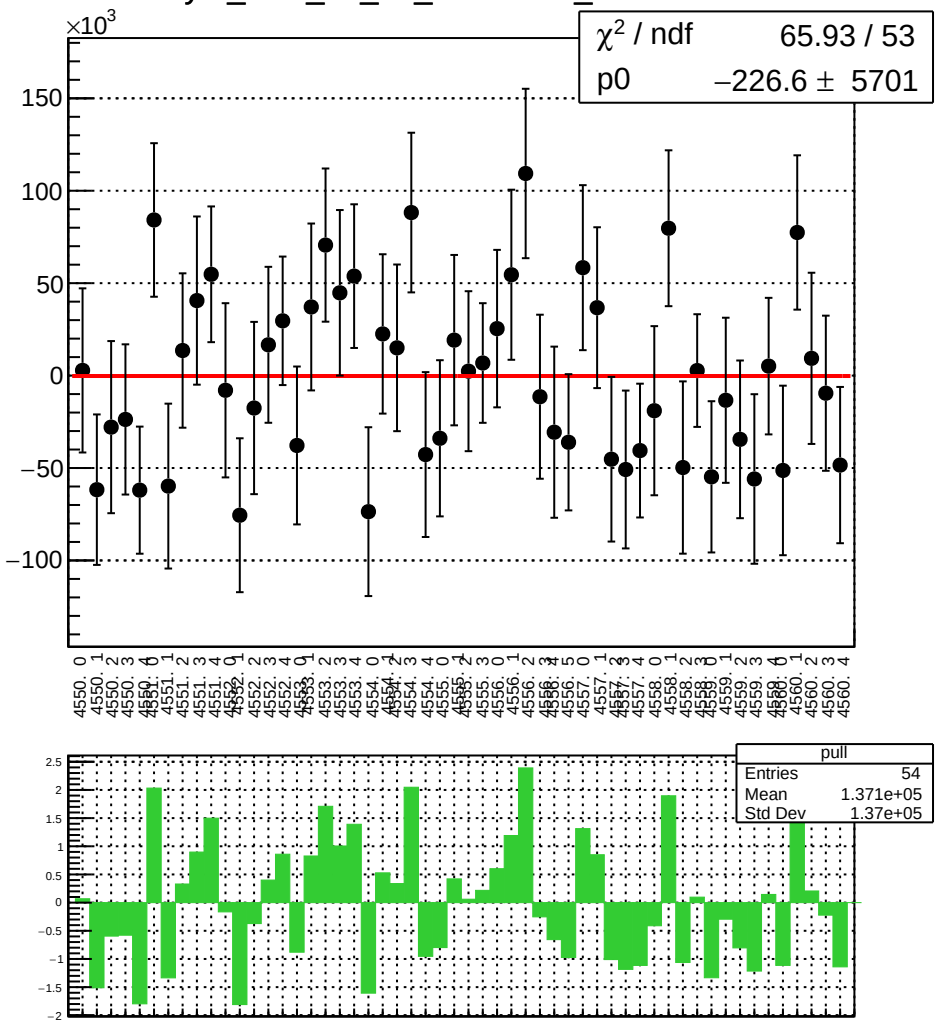

pull1D
Entries 54
Mean −0.01475
Std Dev 1.182

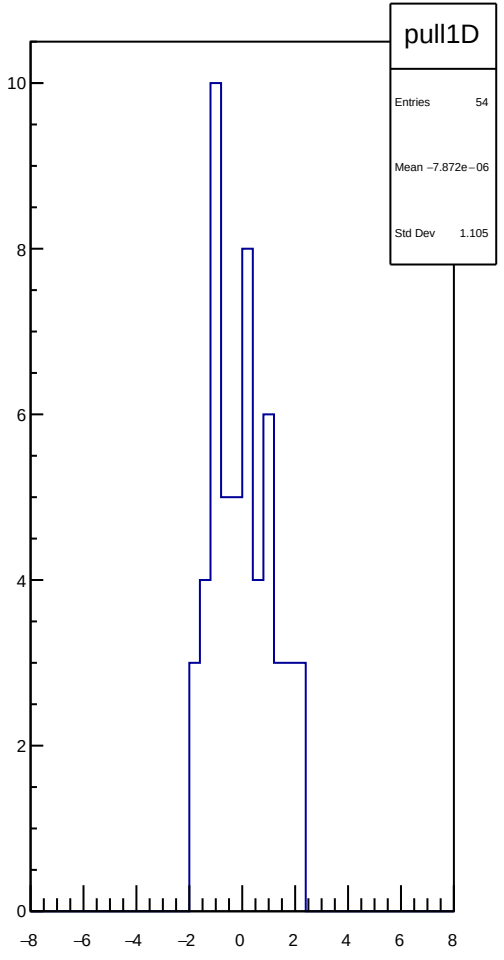

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1393 / 53
p0 8103 ± 7.864
8800
8600
8400
8200
8000
7800
7600

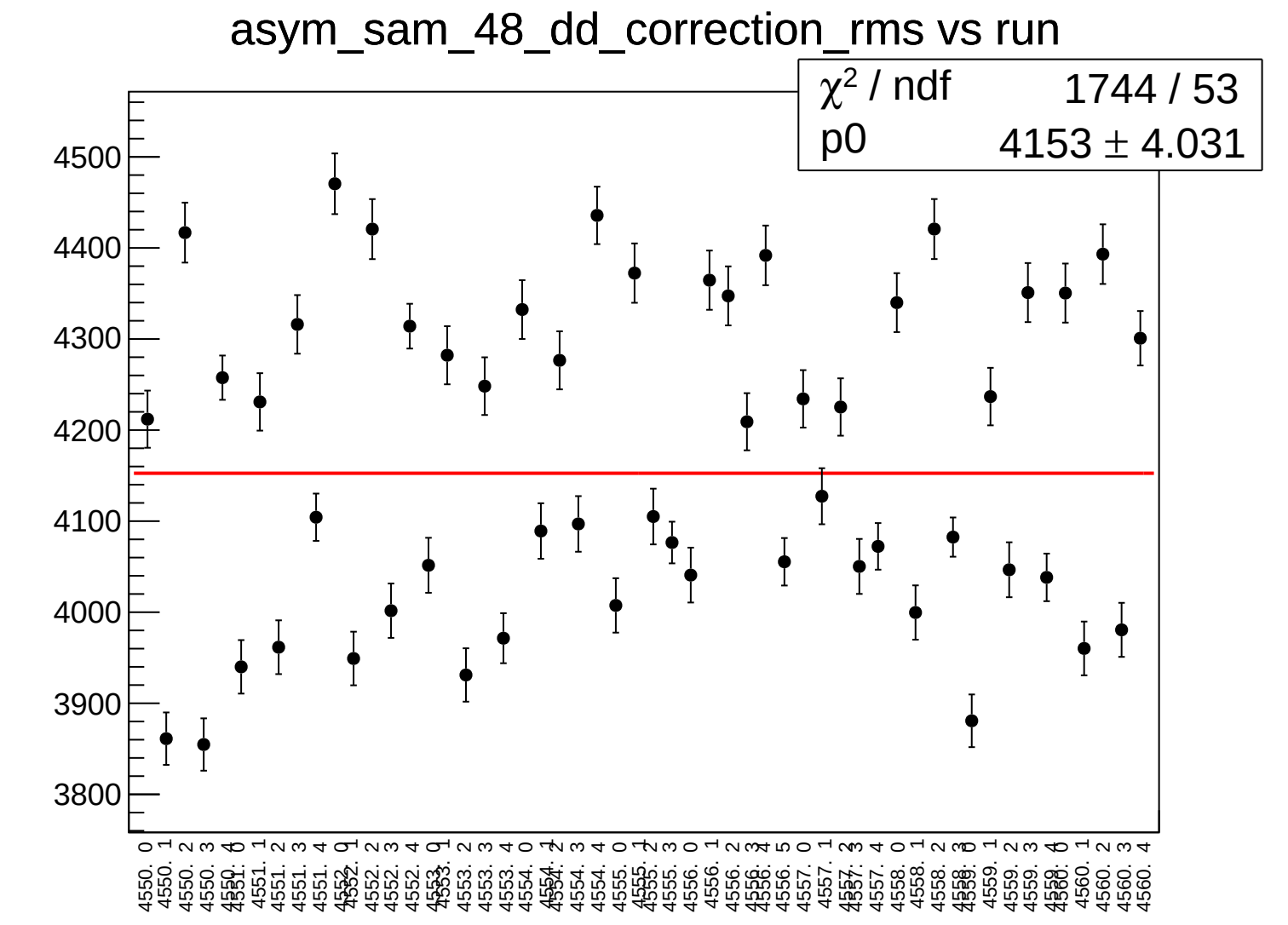

reg_asym_sam_48_dd_mean vs run
χ² / ndf 52.04 / 53
p0 479.5 ± 1322
pull
Entries 54
Mean −291.6
Std Dev 331.3

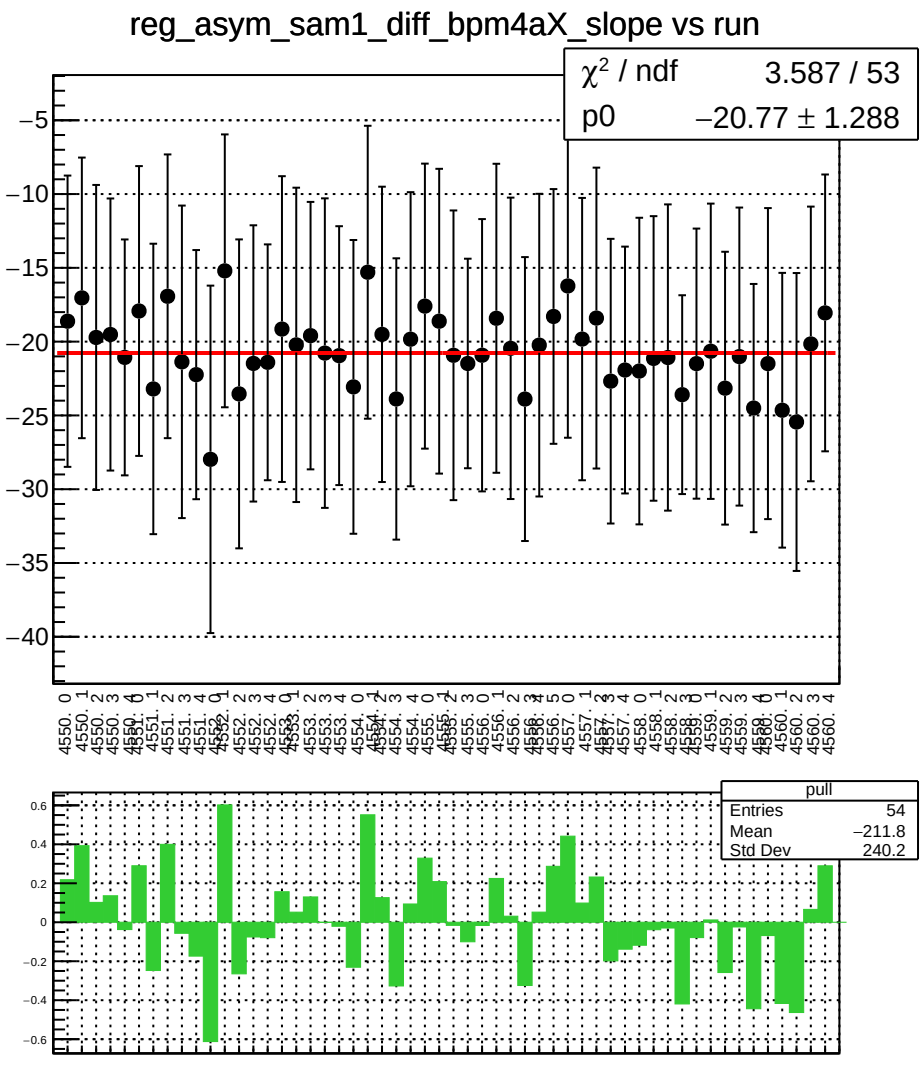

pull1D
Entries 54
Mean −0.006575
Std Dev 0.9817

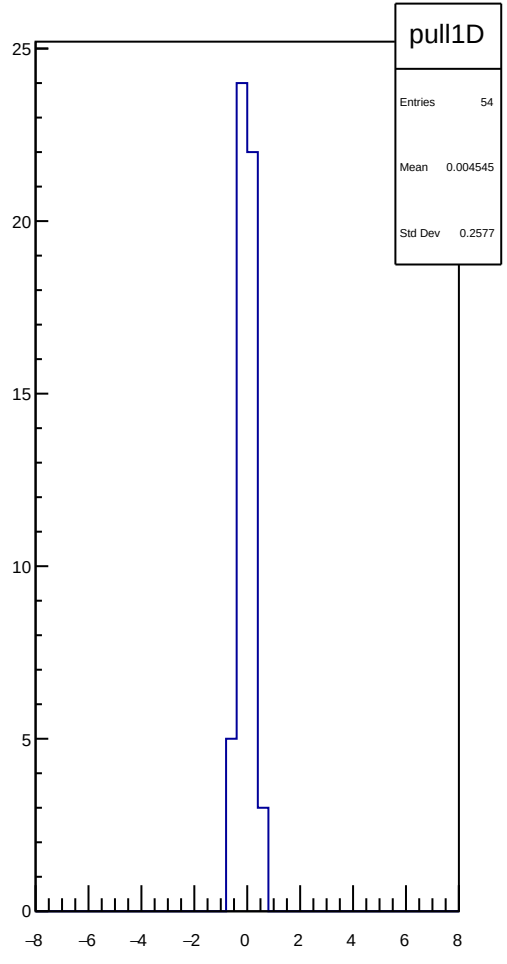

reg_asym_sam_48_dd_rms vs run
χ² / ndf 2066 / 53
p0 962.8 ± 0.9348
1100
1050
1000
950
900

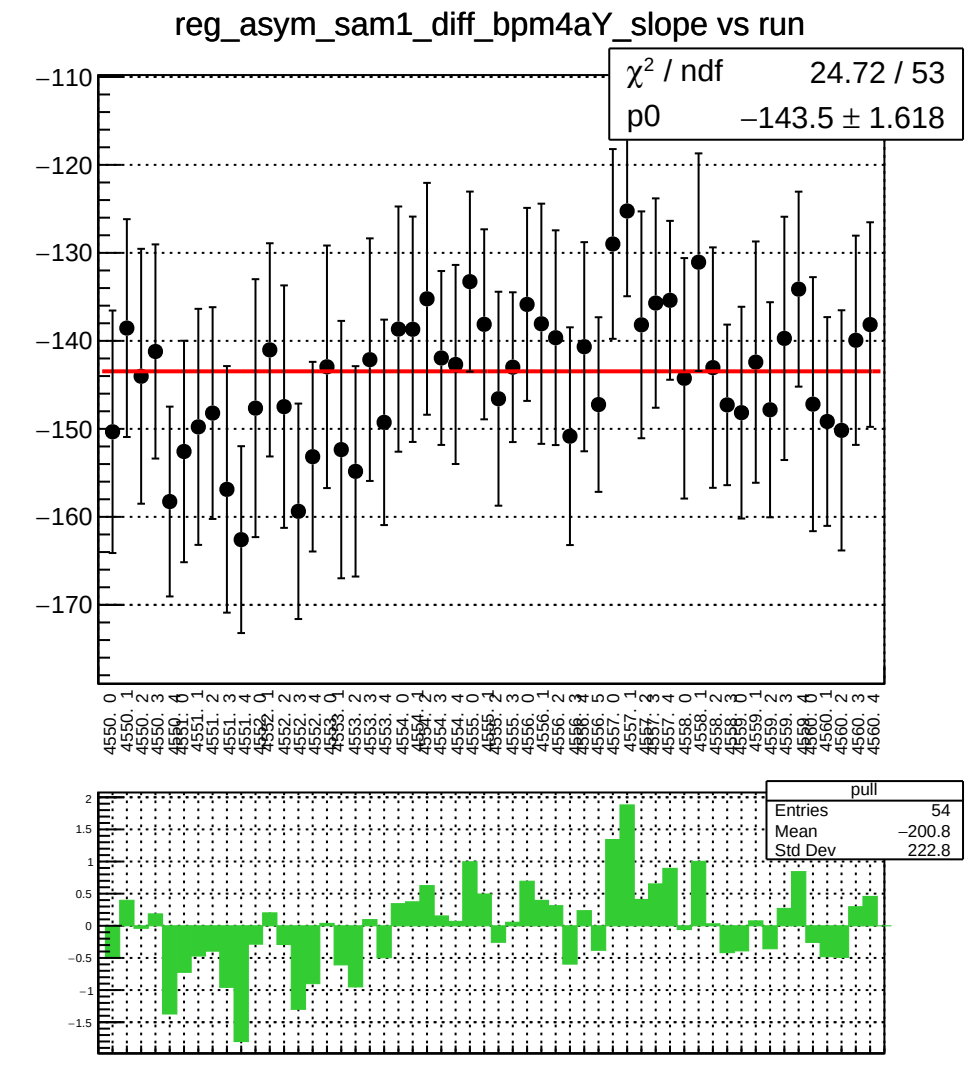

asym_sam_48_dd_correction_mean vs run
χ² / ndf 65.93 / 53
p0 −226.6 ± 5701
×10³
pull
Entries 54
Mean 1.371e+05
Std Dev 1.37e+05

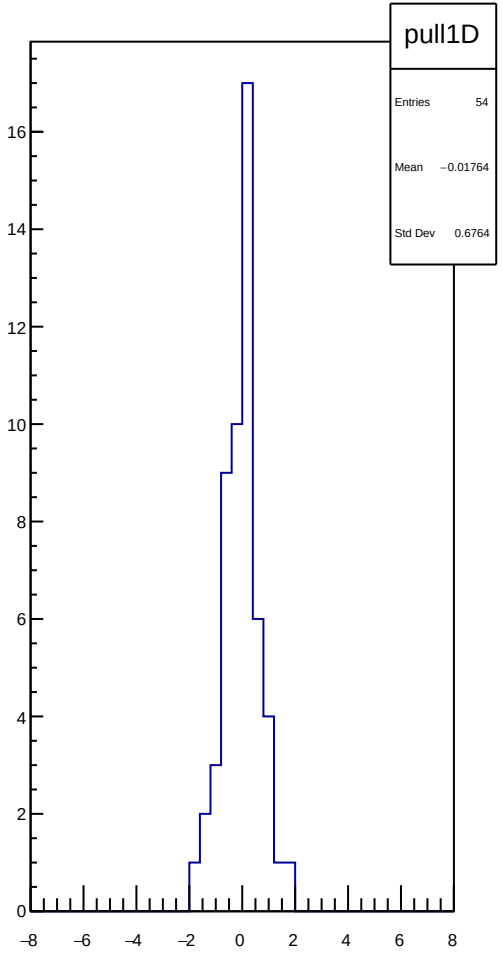

pull1D
Entries 54
Mean −7.872e−06
Std Dev 1.105

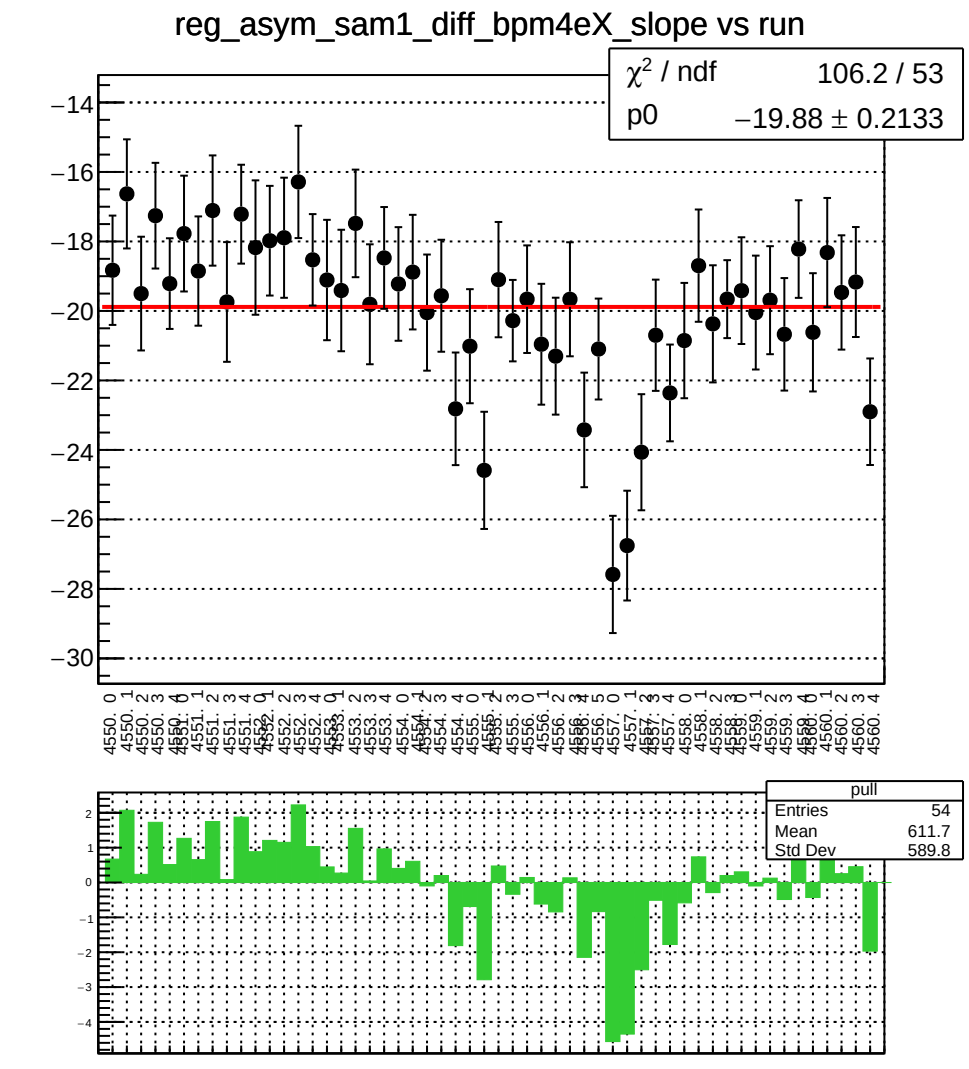

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1744 / 53
p0 4153 ± 4.031
4500
4400
4300
4200
4100
4000
3900
3800
4550. 0
4550. 1
4550. 2
4550. 3
4550. 4
4551. 0
4551. 1
4551. 2
4551. 3
4551. 4
4552. 0
4552. 1
4552. 2
4552. 3
4552. 4
4553. 0
4553. 1
4553. 2
4553. 3
4553. 4
4554. 0
4554. 1
4554. 2
4554. 3
4554. 4
4555. 0
4555. 1
4555. 2
4555. 3
4556. 0
4556. 1
4556. 2
4556. 3
4556. 4
4556. 5
4557. 0
4557. 1
4557. 2
4557. 3
4557. 4
4558. 0
4558. 1
4558. 2
4558. 3
4558. 4
4559. 0
4559. 1
4559. 2
4559. 3
4559. 4
4560. 0
4560. 1
4560. 2
4560. 3
4560. 4

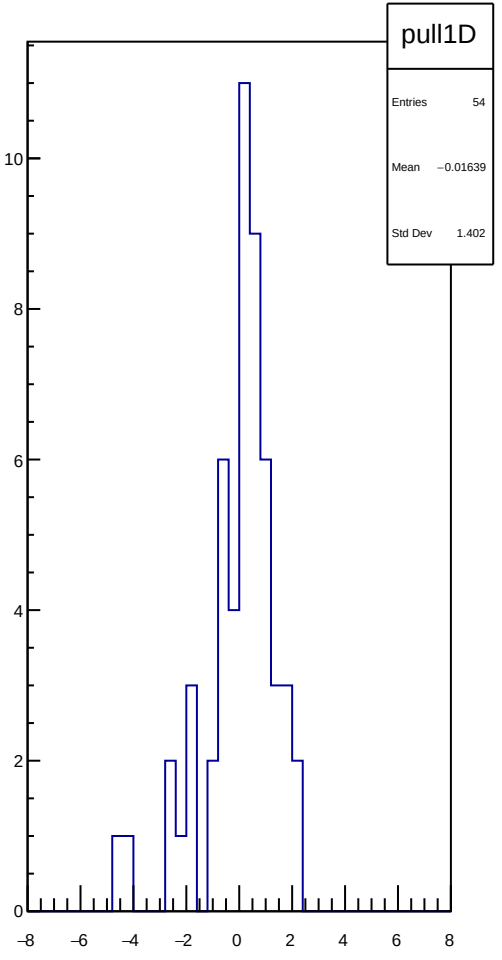

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 3.587 / 53
p0 −20.77 ± 1.288
pull
Entries 54
Mean −211.8
Std Dev 240.2

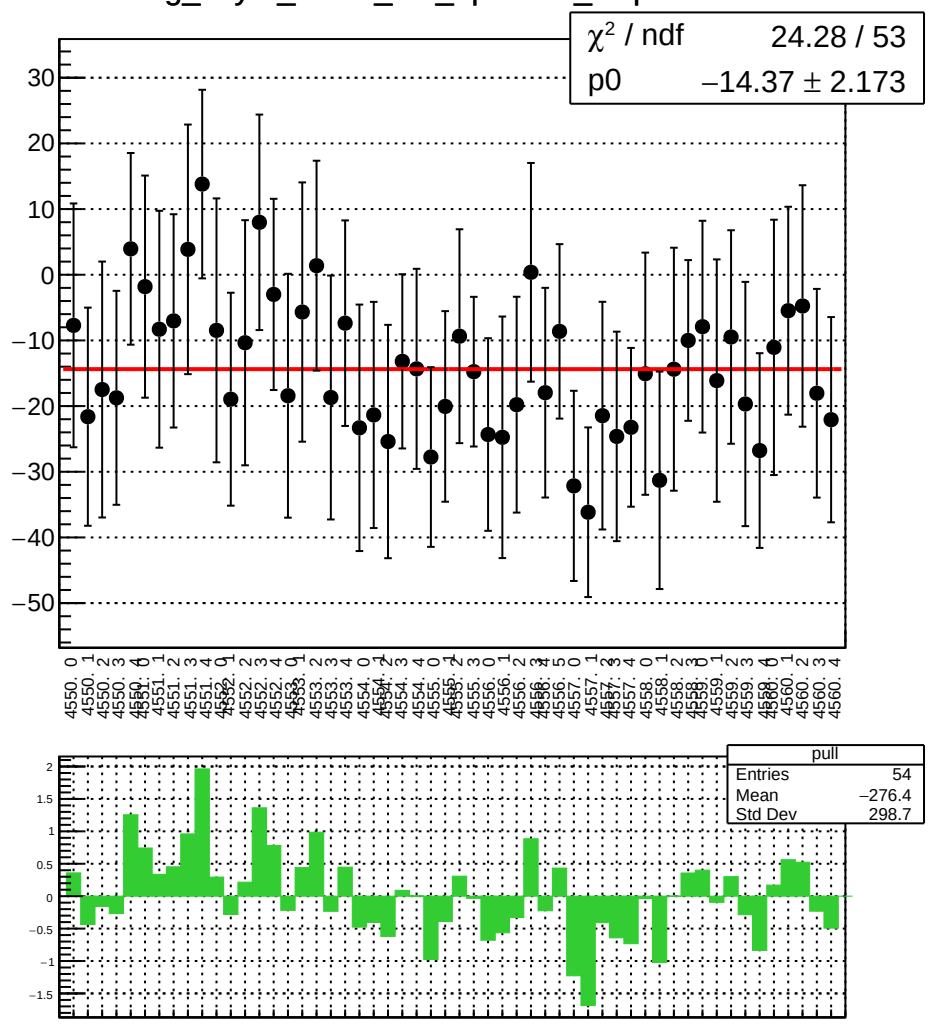

pull1D
Entries 54
Mean 0.004545
Std Dev 0.2577

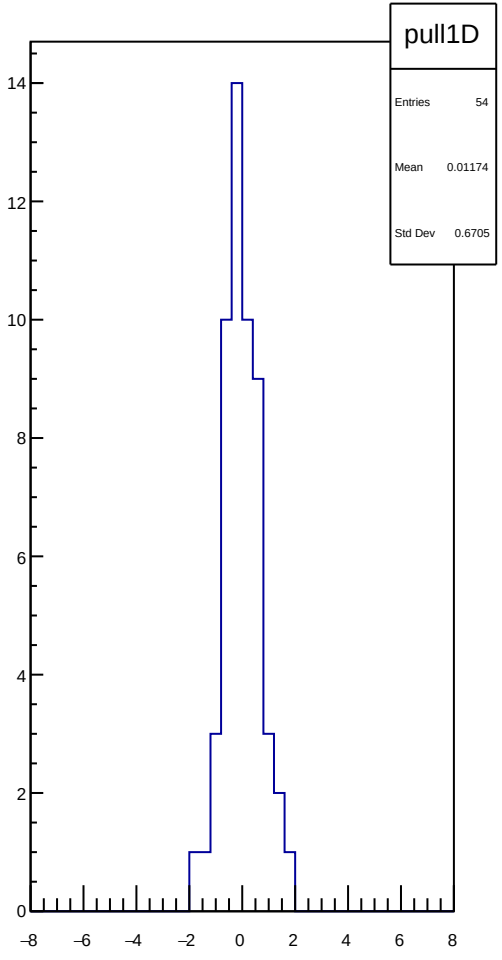

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 24.72 / 53
p0 −143.5 ± 1.618
pull
Entries 54
Mean −200.8
Std Dev 222.8

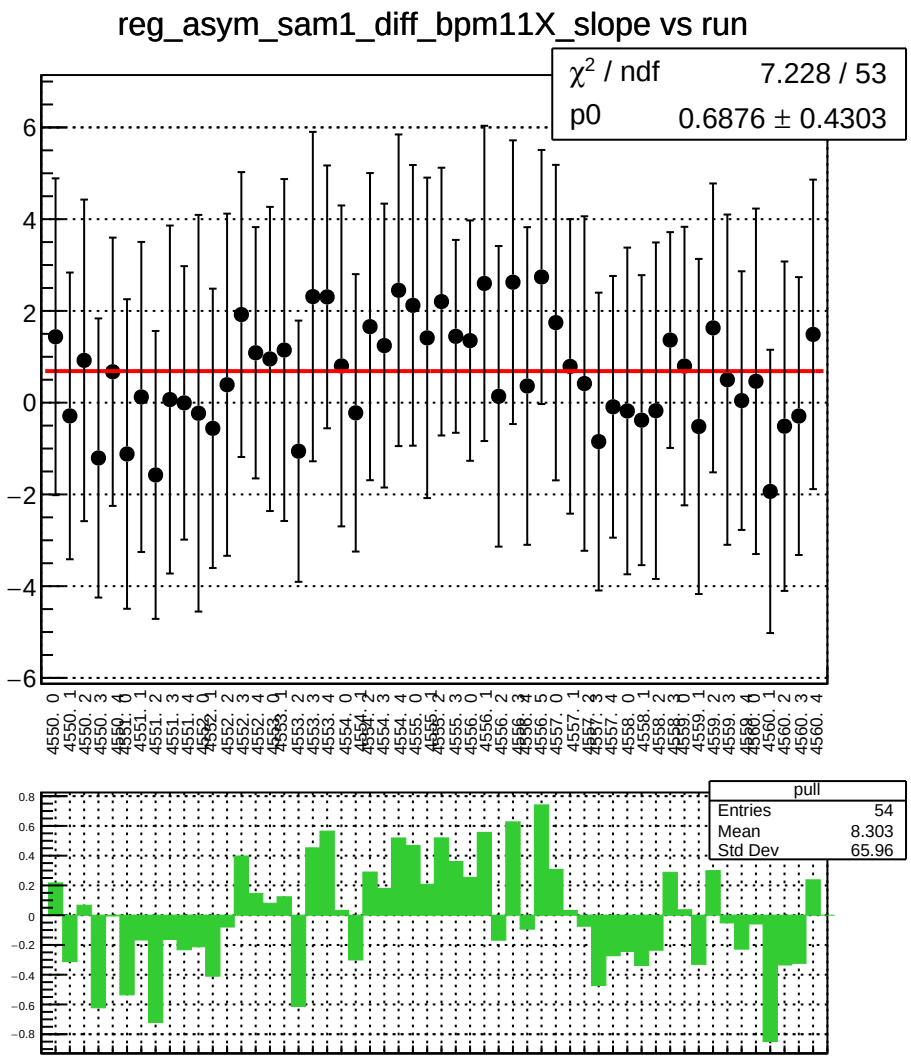

pull1D
Entries 54
Mean −0.01764
Std Dev 0.6764

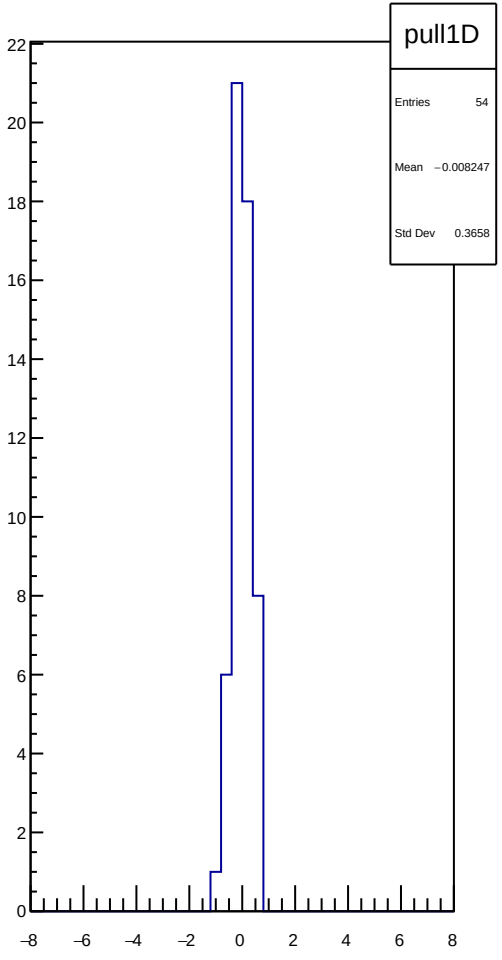

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 106.2 / 53
p0 −19.88 ± 0.2133
pull
Entries 54
Mean 611.7
Std Dev 589.8

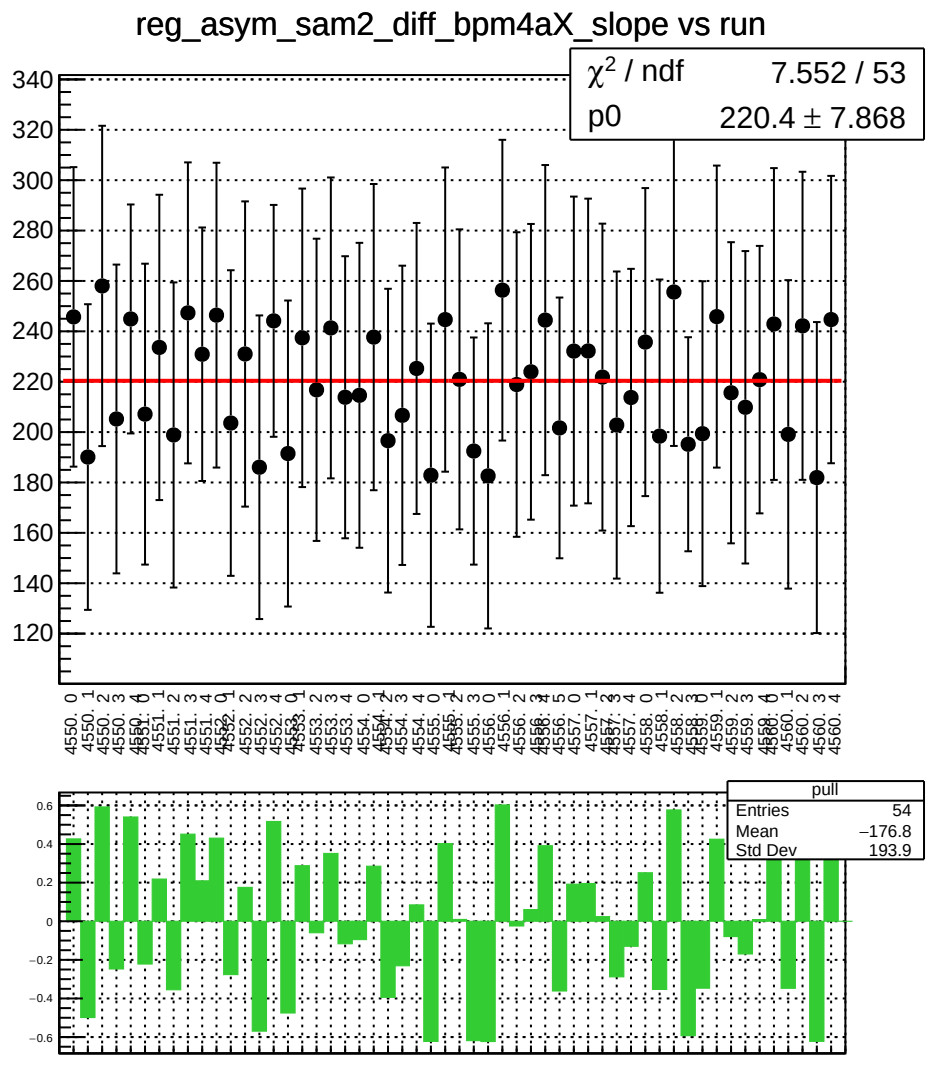

pull1D
Entries 54
Mean −0.01639
Std Dev 1.402

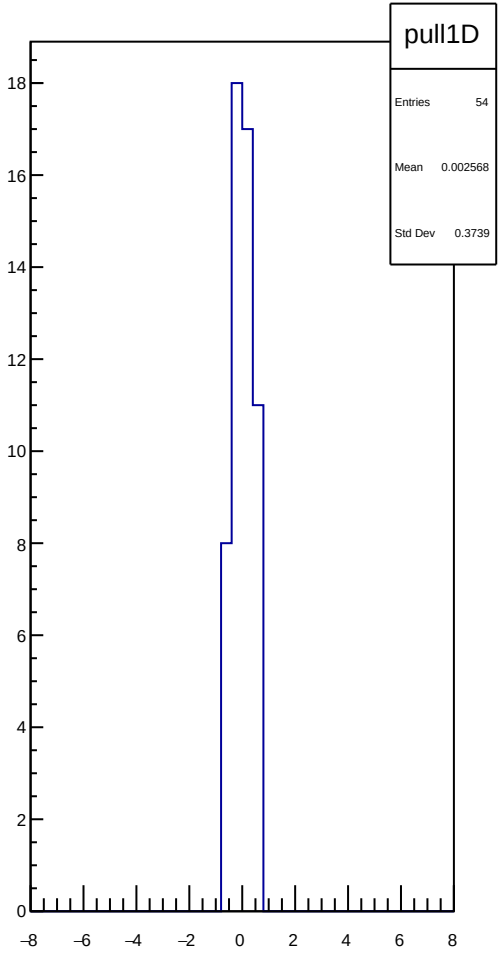

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 24.28 / 53
p0 −14.37 ± 2.173
pull
Entries 54
Mean −276.4
Std Dev 298.7

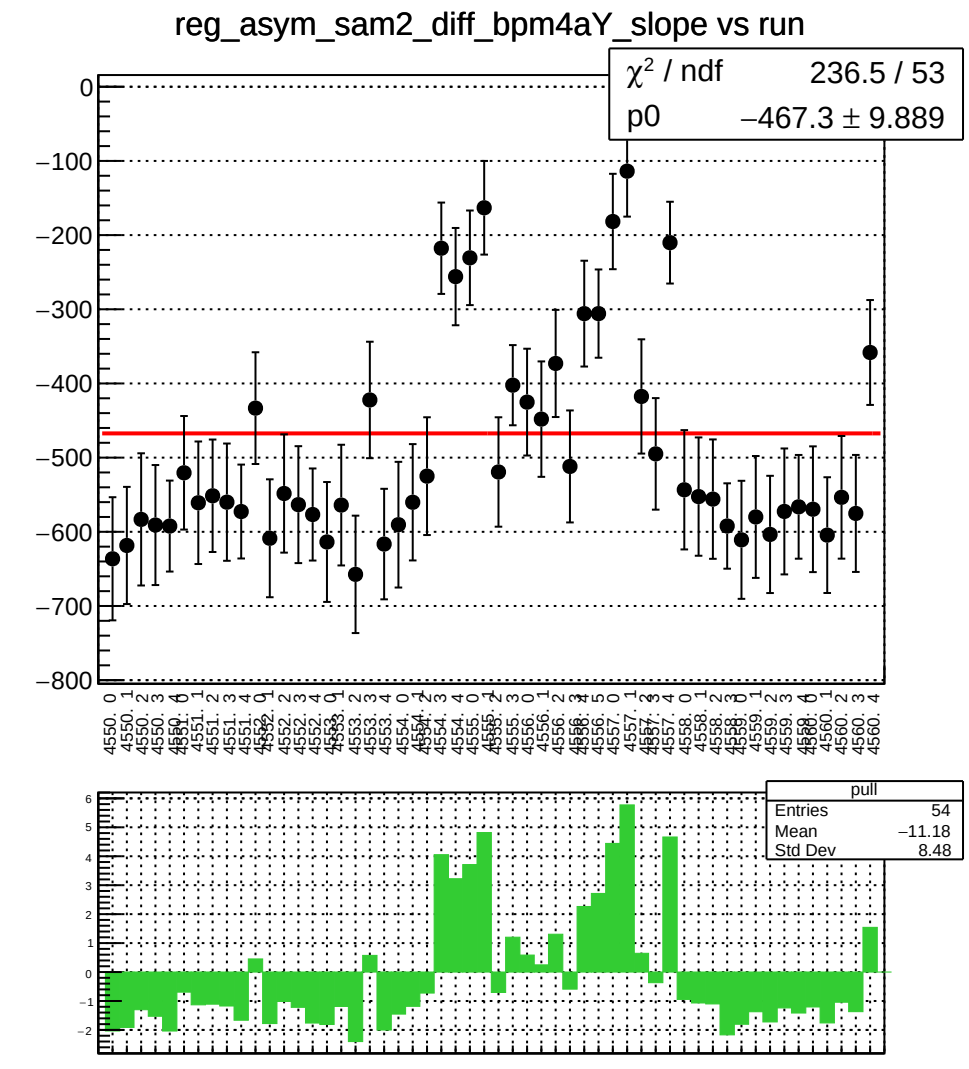

pull1D
Entries 54
Mean 0.01174
Std Dev 0.6705

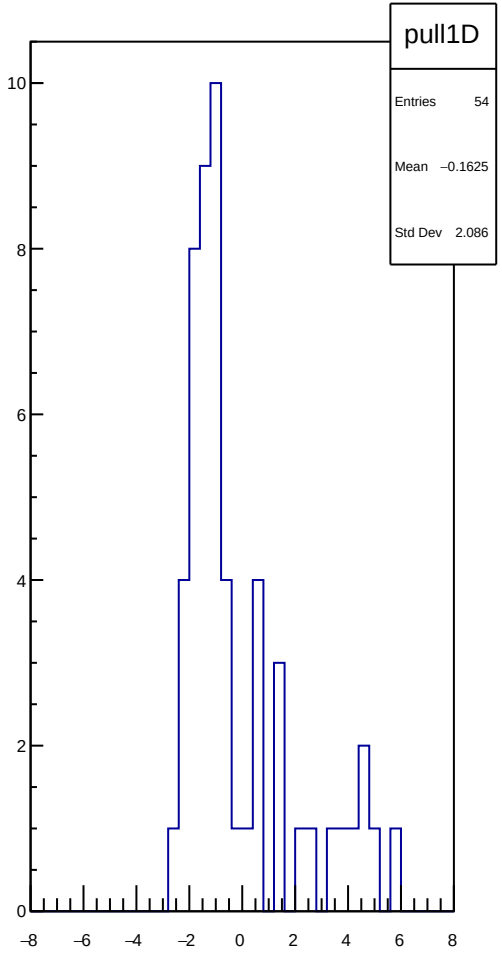

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 7.228 / 53
p0 0.6876 ± 0.4303
pull
Entries 54
Mean 8.303
Std Dev 65.96

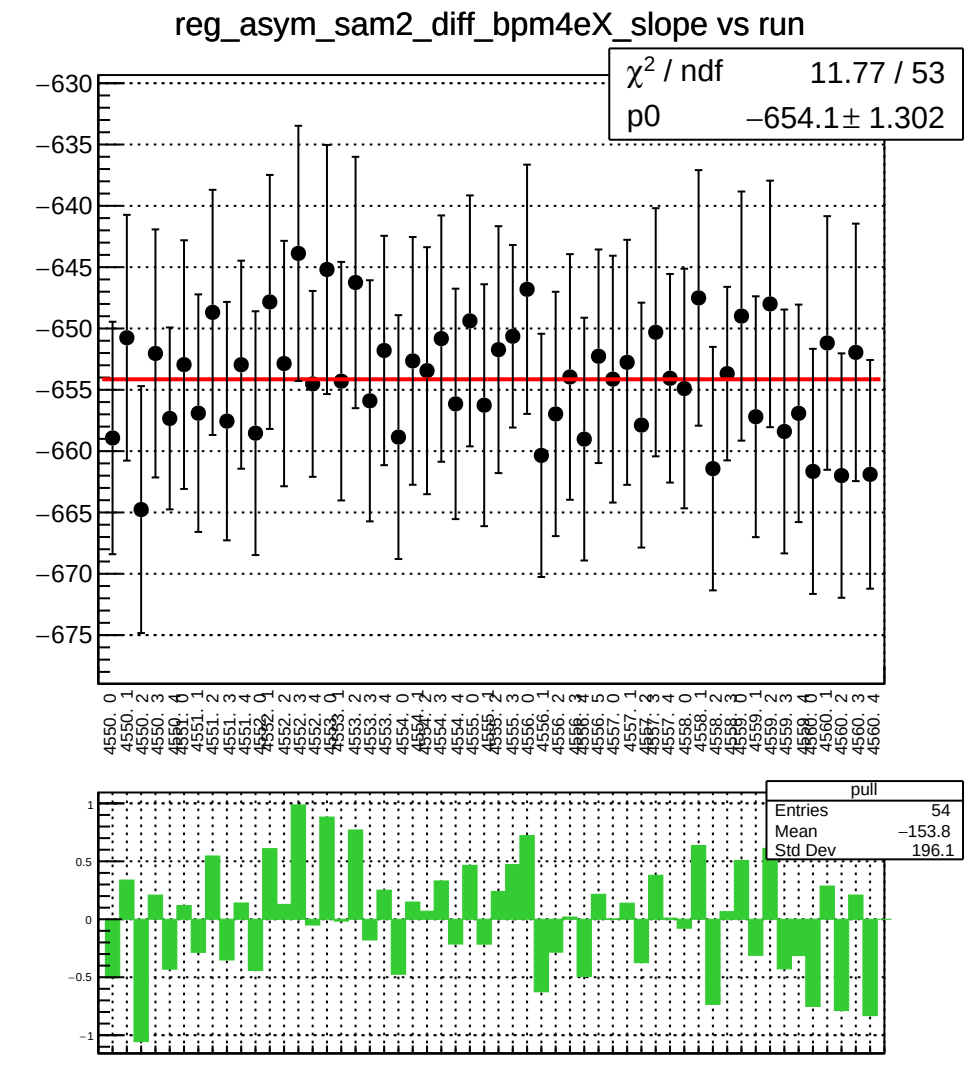

pull1D
Entries 54
Mean −0.008247
Std Dev 0.3658

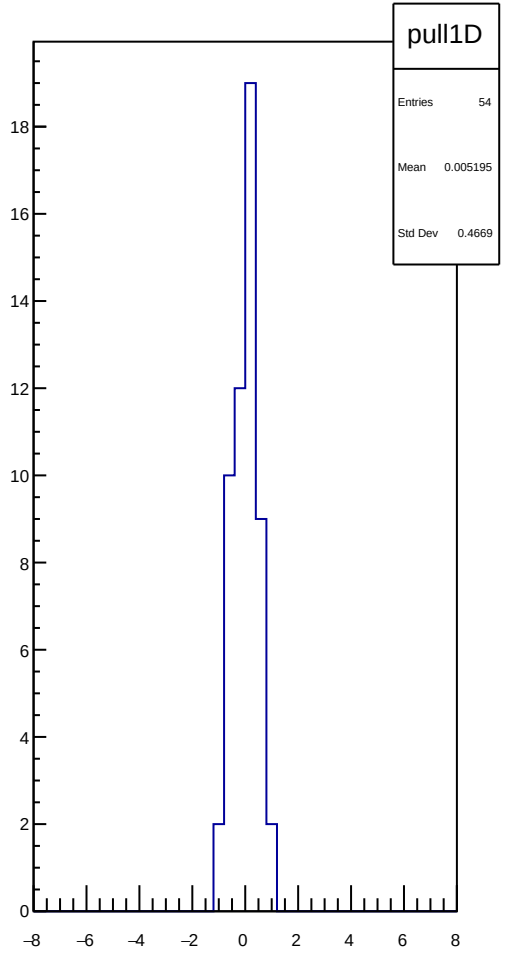

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 7.552 / 53
p0 220.4 ± 7.868
pull
Entries 54
Mean −176.8
Std Dev 193.9

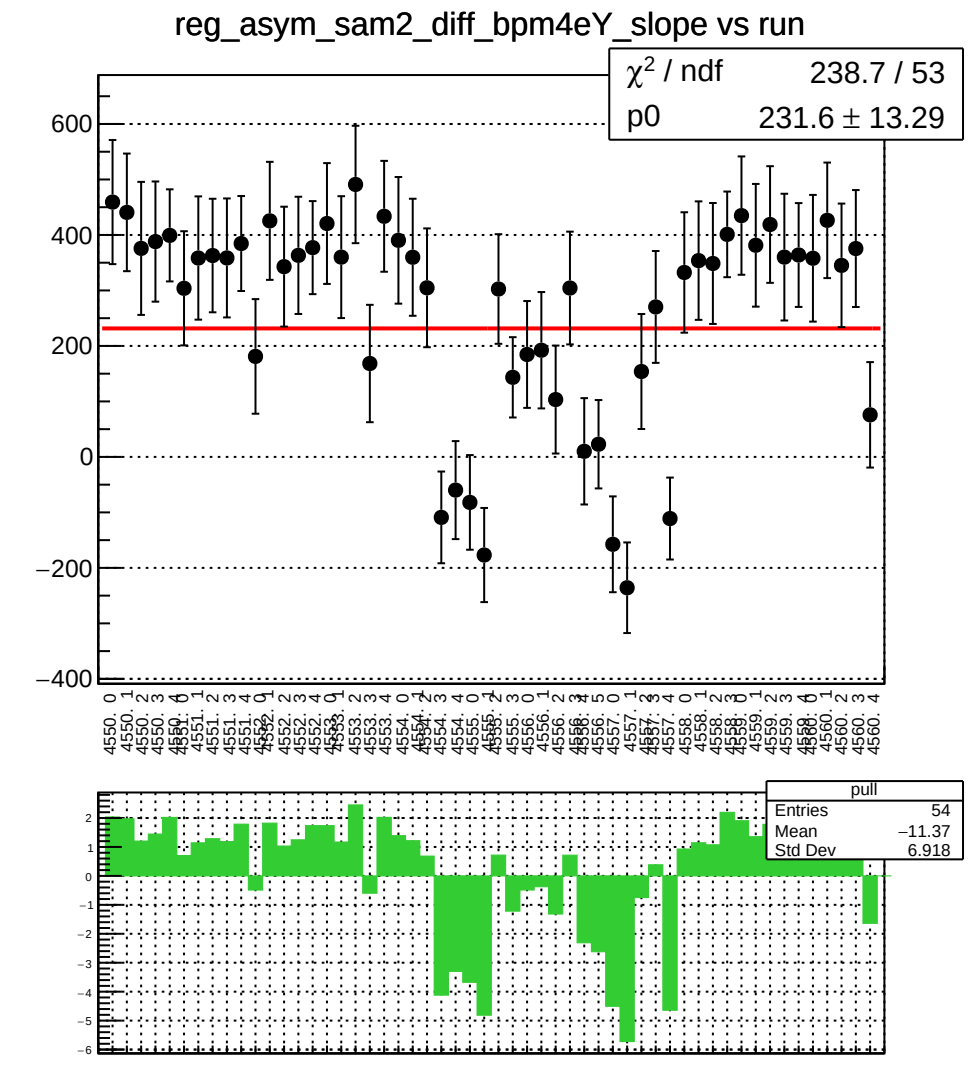

pull1D
Entries 54
Mean 0.002568
Std Dev 0.3739

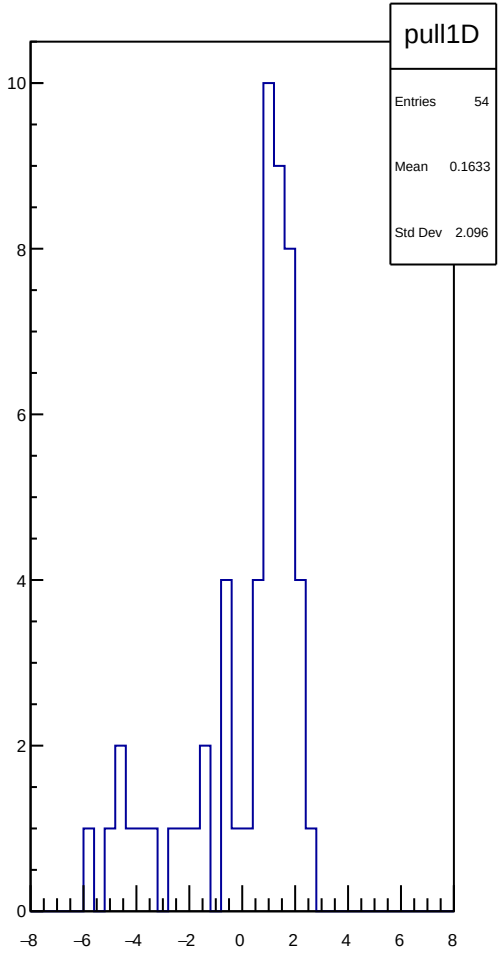

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 236.5 / 53
p0 −467.3 ± 9.889
pull
Entries 54
Mean −11.18
Std Dev 8.48

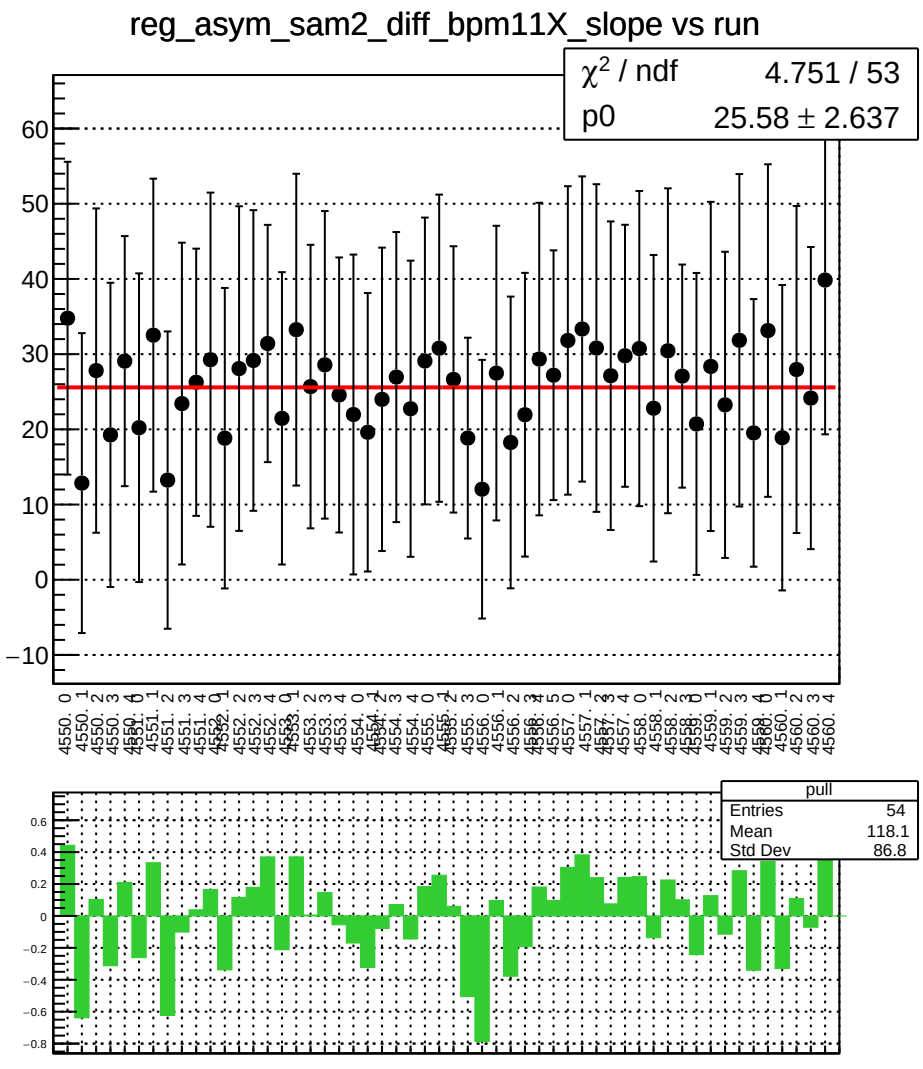

pull1D
Entries 54
Mean −0.1625
Std Dev 2.086

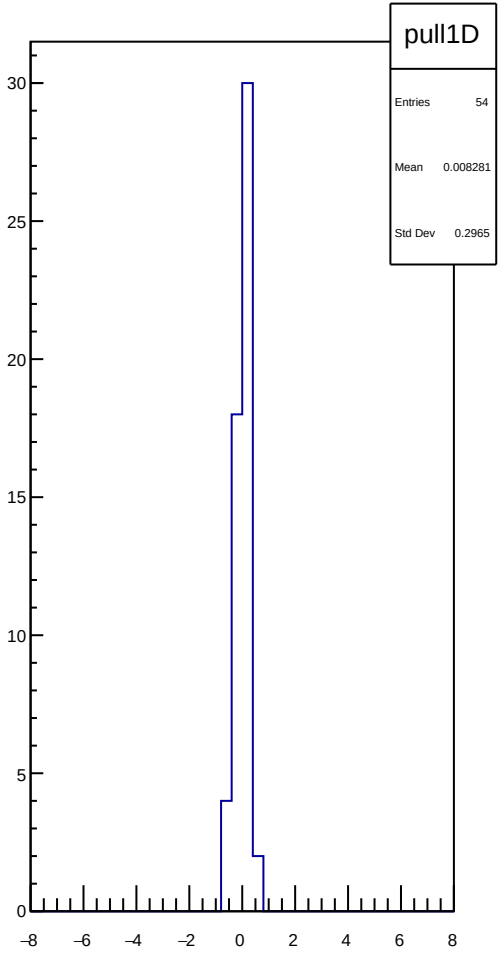

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 11.77 / 53
p0 −654.1± 1.302
pull
Entries 54
Mean −153.8
Std Dev 196.1

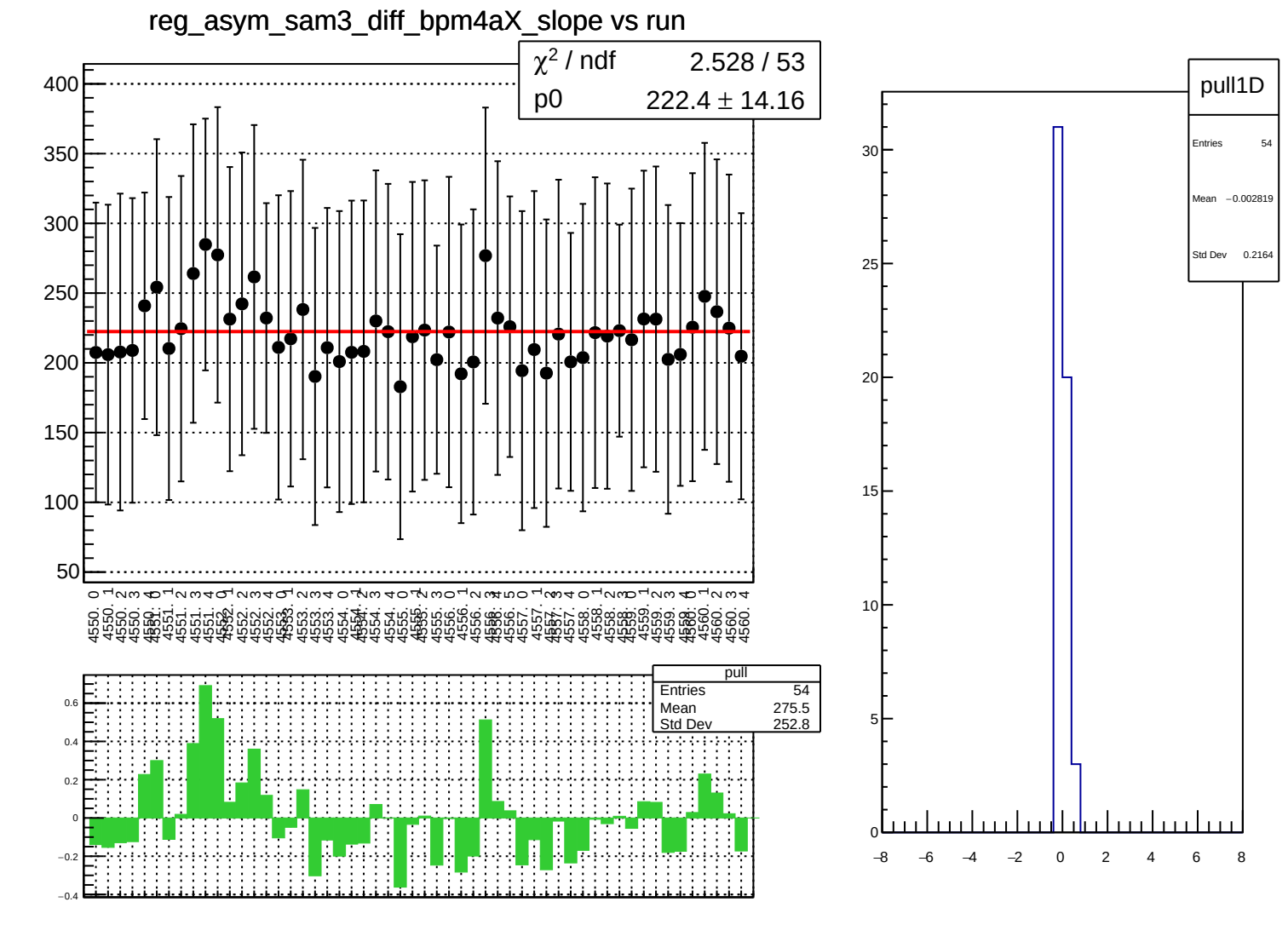

pull1D
Entries 54
Mean 0.005195
Std Dev 0.4669

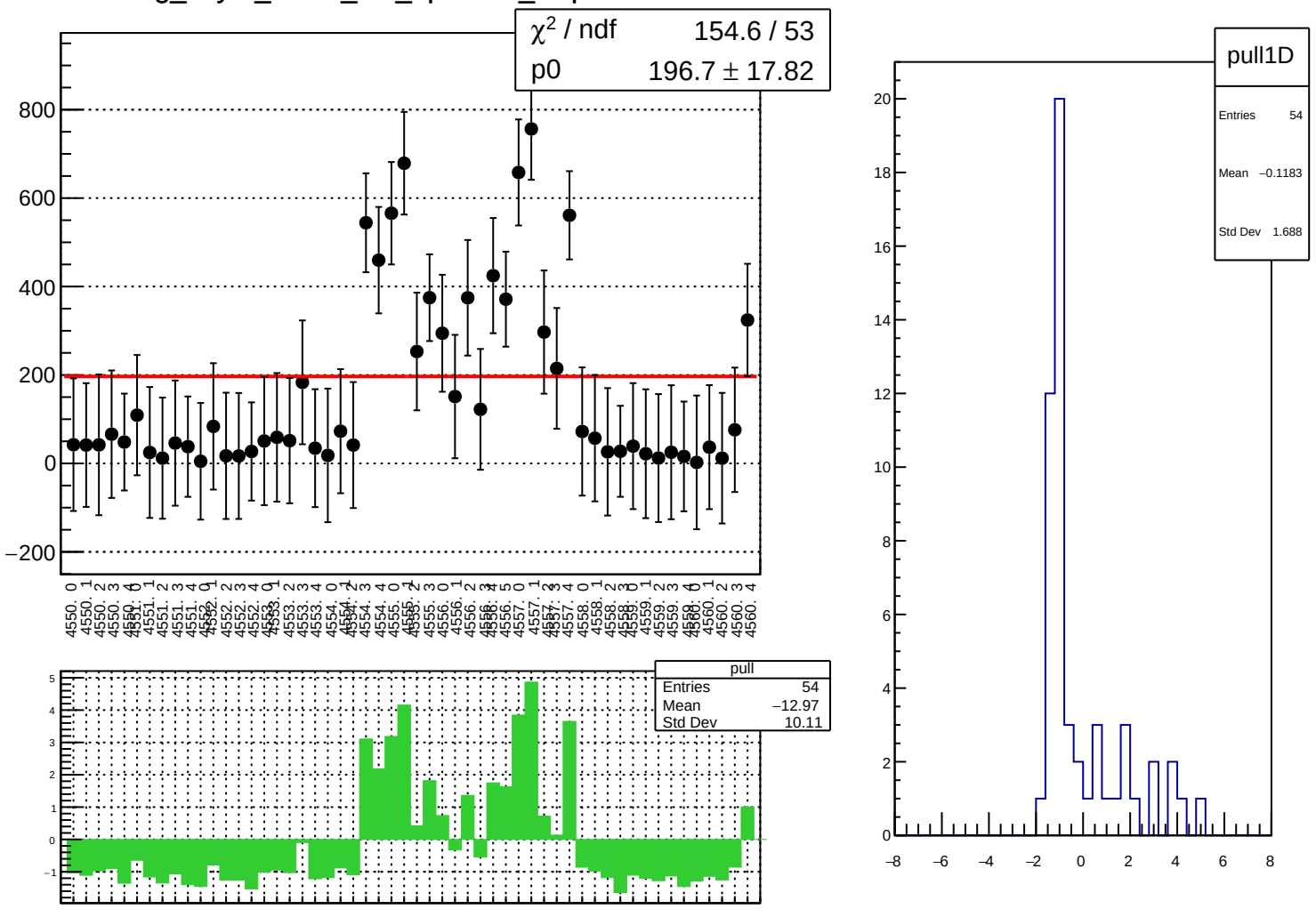

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 238.7 / 53
p0 231.6 ± 13.29
pull
Entries 54
Mean −11.37
Std Dev 6.918

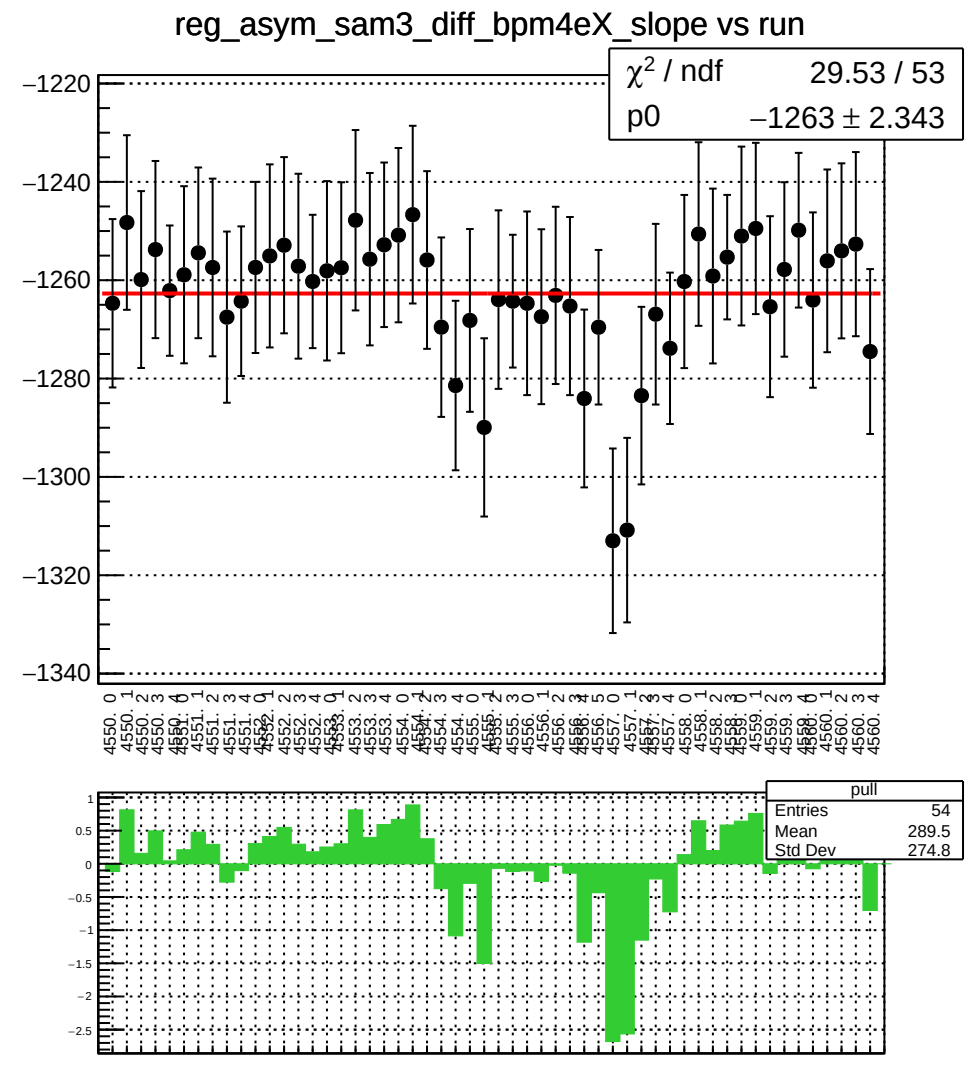

pull1D
Entries 54
Mean 0.1633
Std Dev 2.096

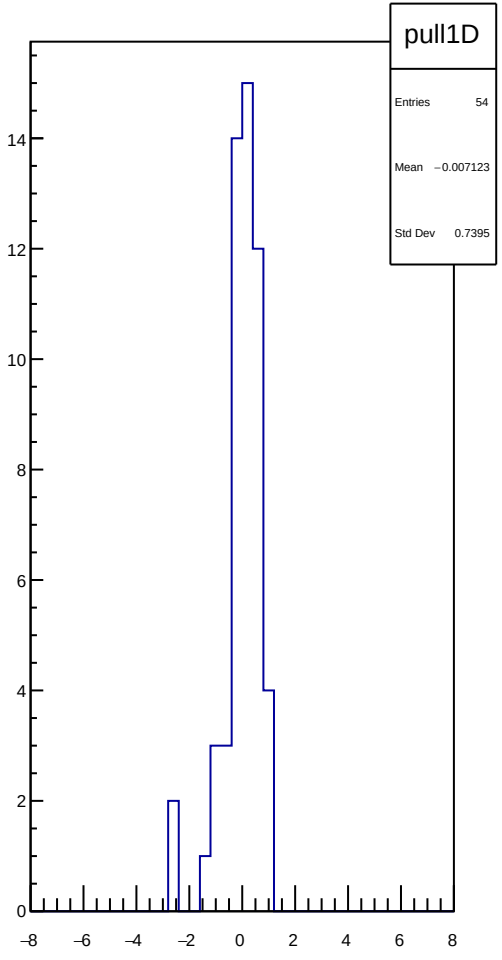

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 4.751 / 53
p0 25.58 ± 2.637
pull
Entries 54
Mean 118.1
Std Dev 86.8

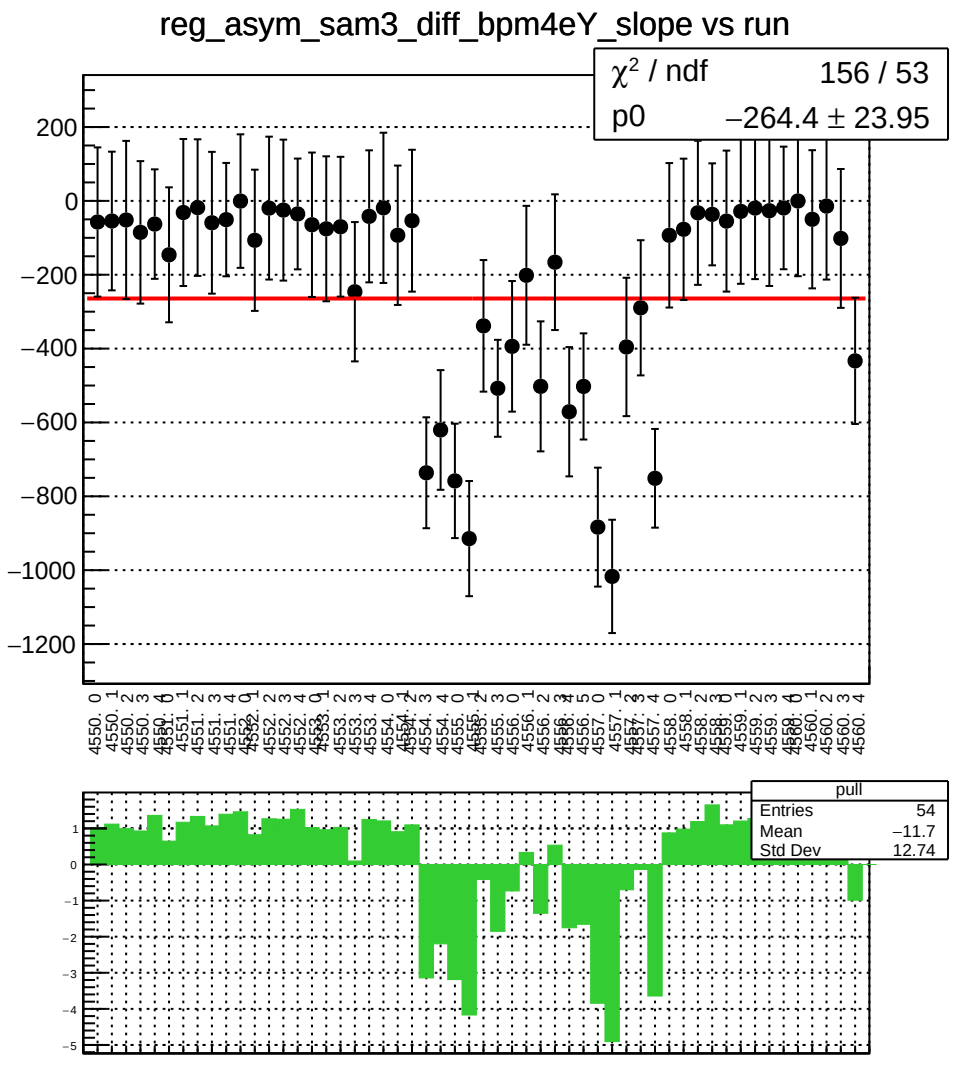

pull1D
Entries 54
Mean 0.008281
Std Dev 0.2965

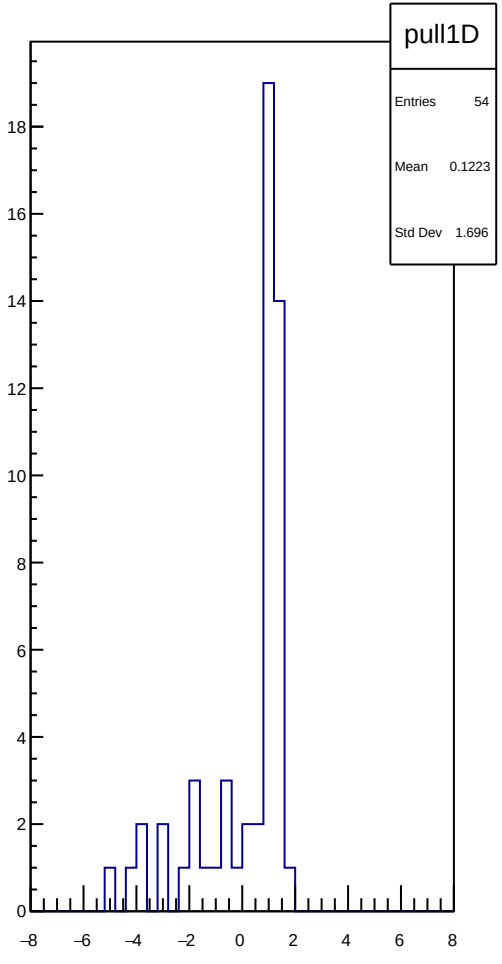

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 2.528 / 53
p0 222.4 ± 14.16
pull
Entries 54
Mean 275.5
Std Dev 252.8
pull1D
Entries 54
Mean −0.002819
Std Dev 0.2164

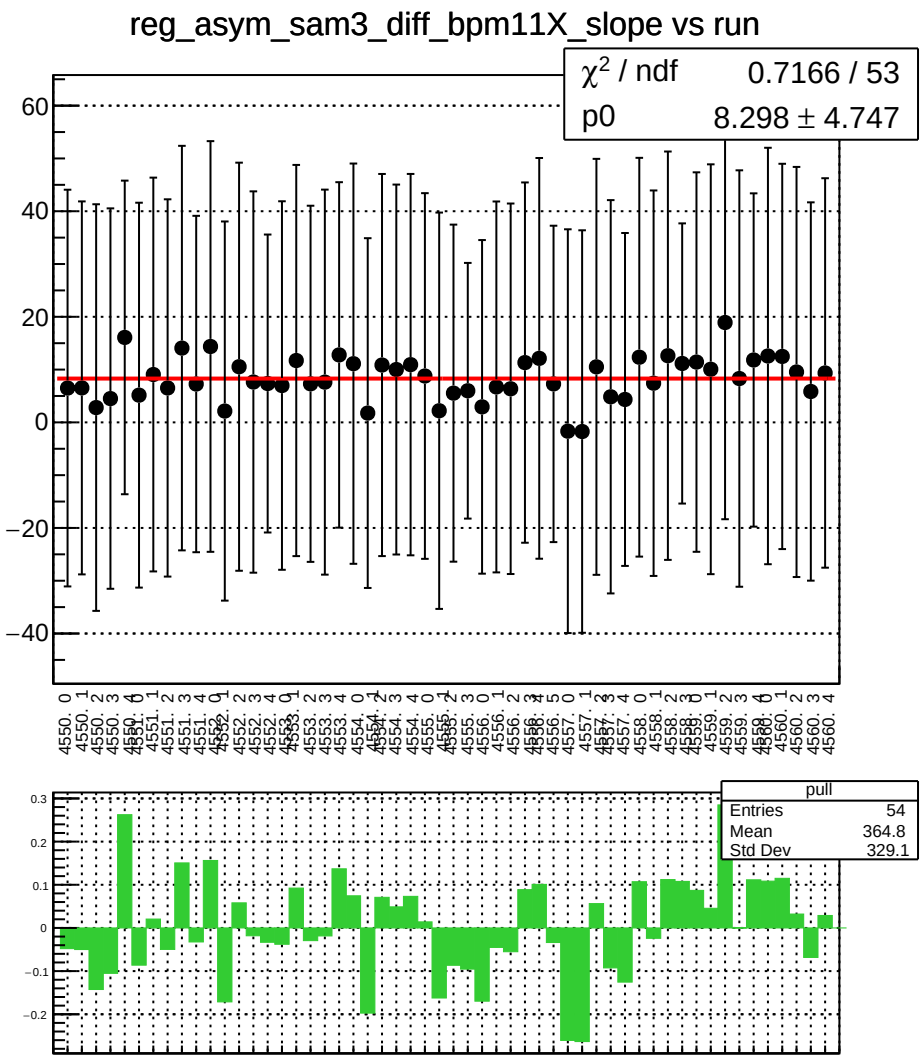

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 154.6 / 53
p0 196.7 ± 17.82
pull
Entries 54
Mean −12.97
Std Dev 10.11
pull1D
Entries 54
Mean −0.1183
Std Dev 1.688

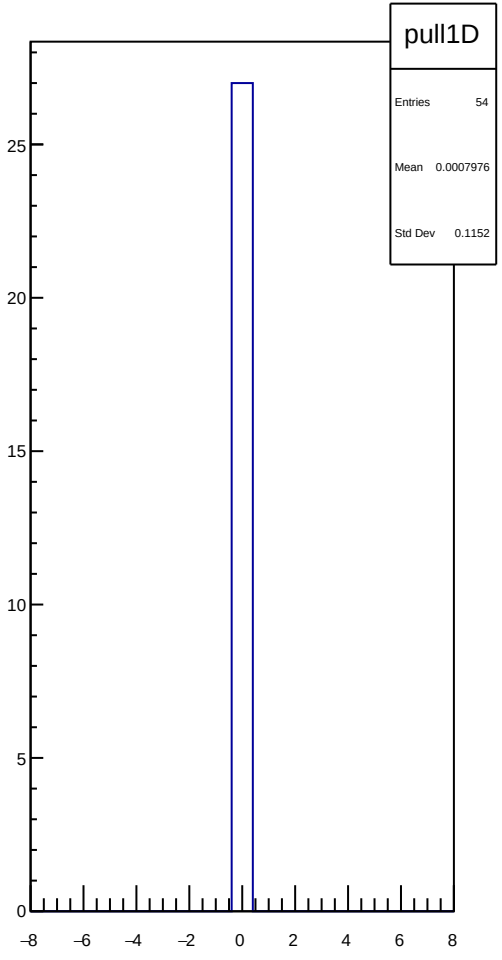

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 29.53 / 53
p0 −1263 ± 2.343
pull
Entries 54
Mean 289.5
Std Dev 274.8

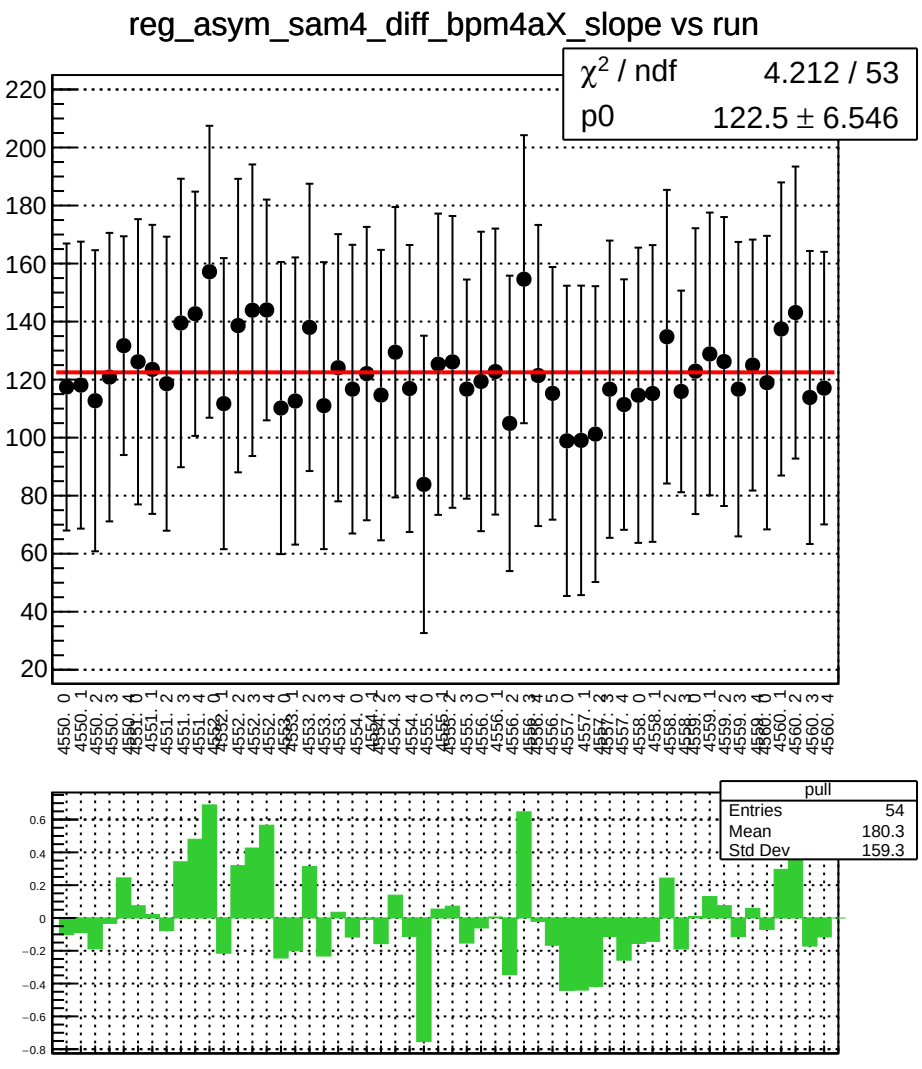

pull1D
Entries 54
Mean −0.007123
Std Dev 0.7395

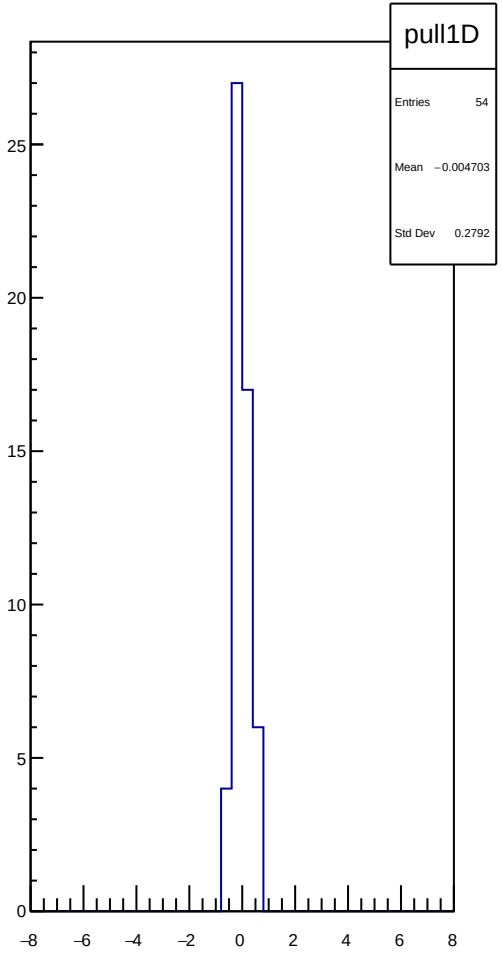

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 156 / 53
p0 −264.4 ± 23.95
pull
Entries 54
Mean −11.7
Std Dev 12.74

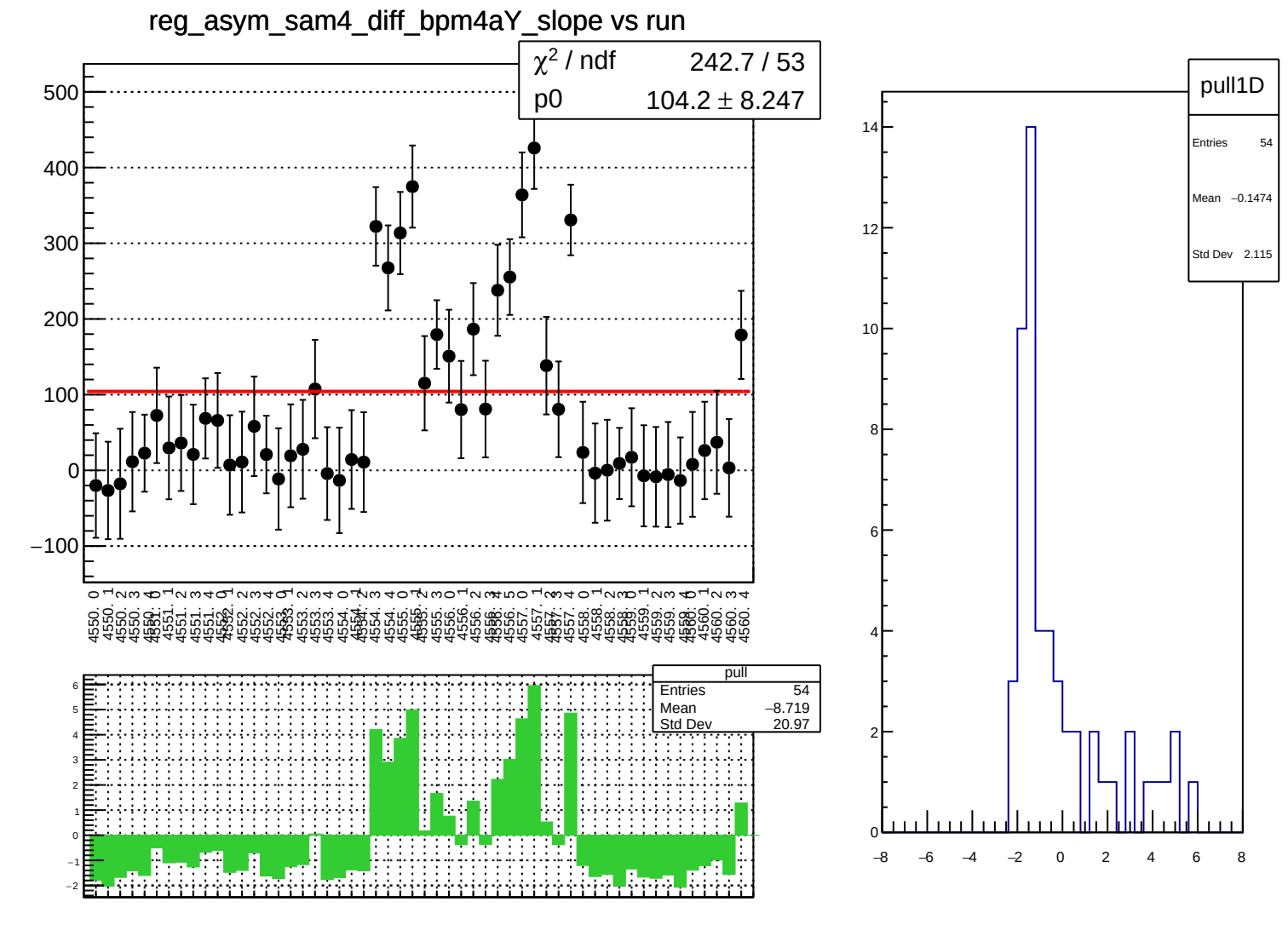

pull1D
Entries 54
Mean 0.1223
Std Dev 1.696

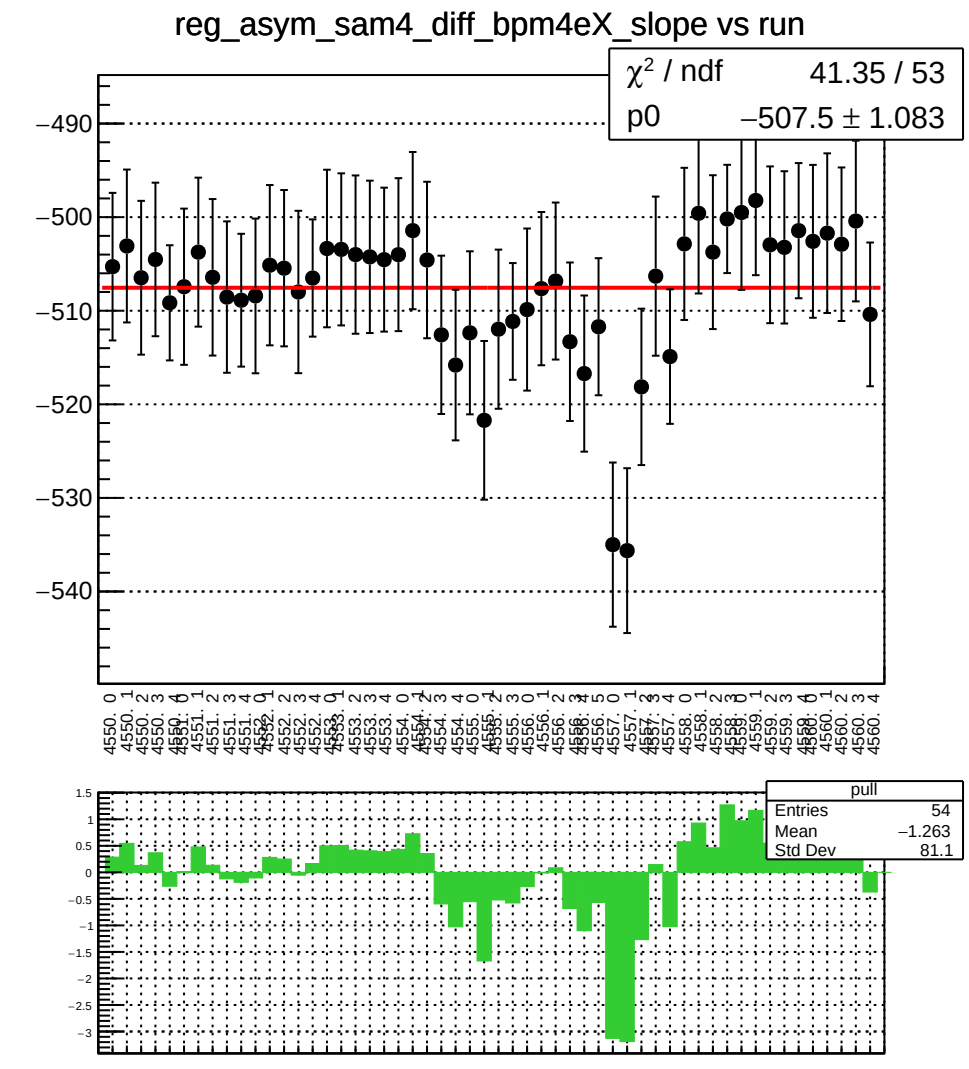

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 0.7166 / 53
p0 8.298 ± 4.747
pull
Entries 54
Mean 364.8
Std Dev 329.1

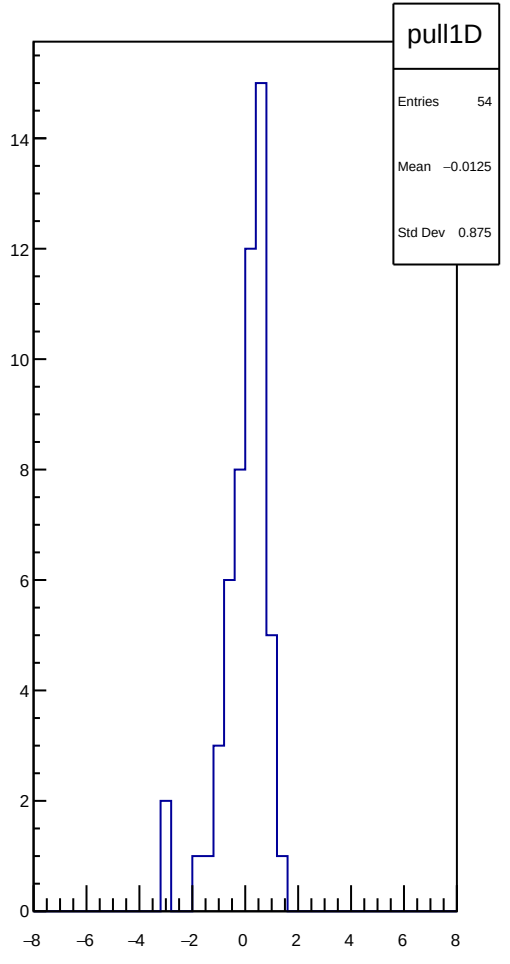

pull1D
Entries 54
Mean 0.0007976
Std Dev 0.1152

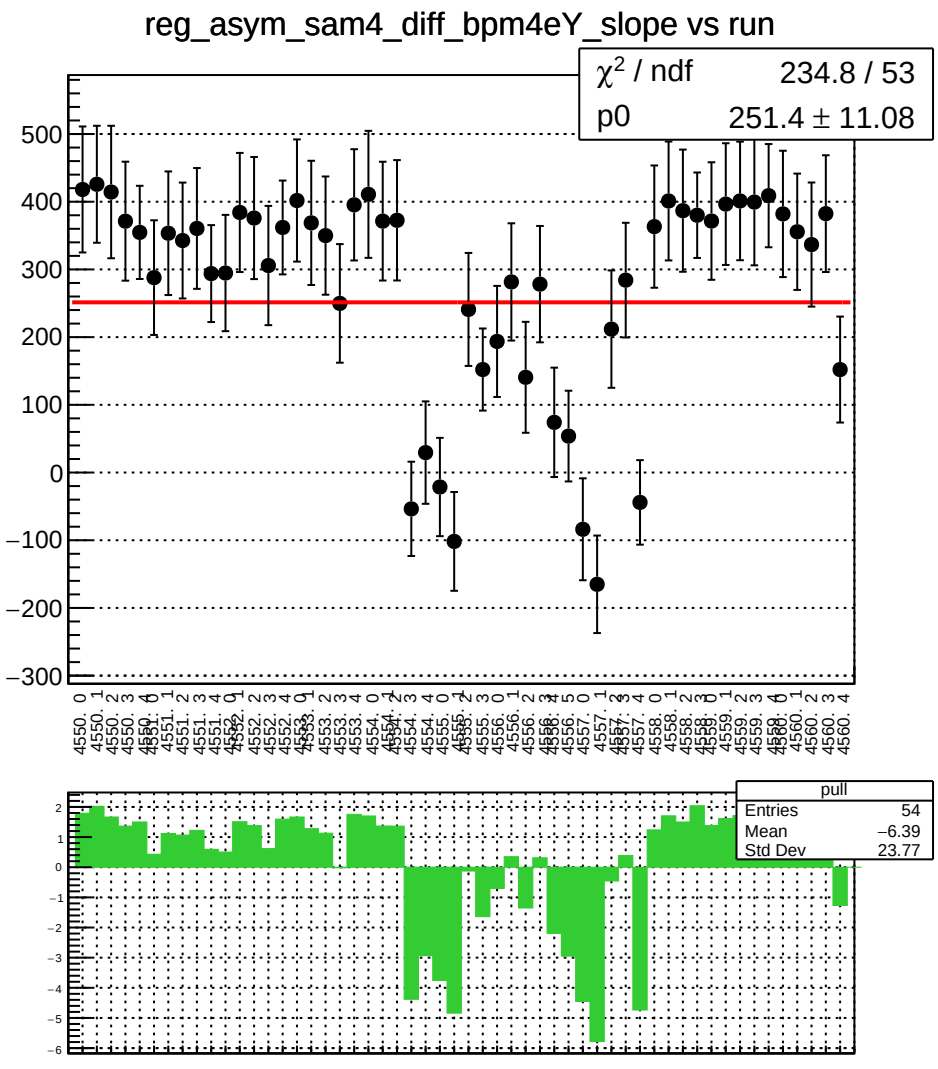

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 4.212 / 53
p0 122.5 ± 6.546
pull
Entries 54
Mean 180.3
Std Dev 159.3

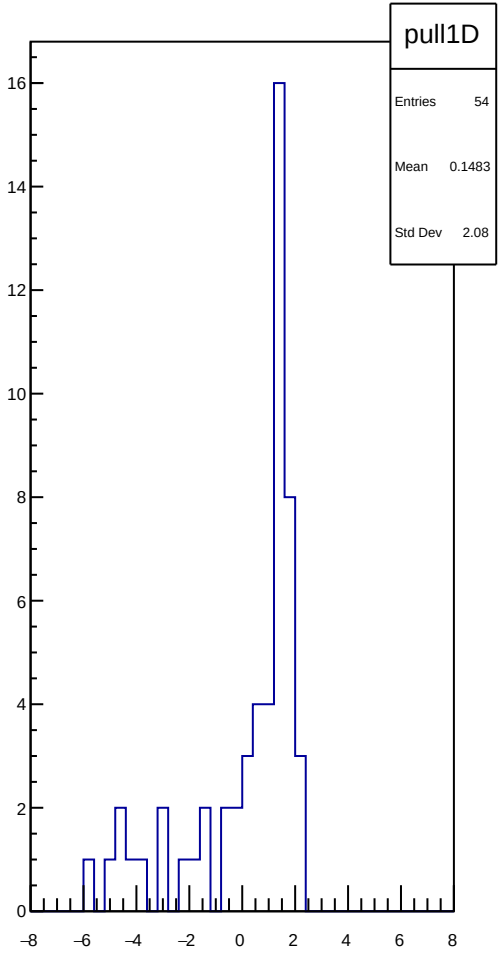

pull1D
Entries 54
Mean −0.004703
Std Dev 0.2792

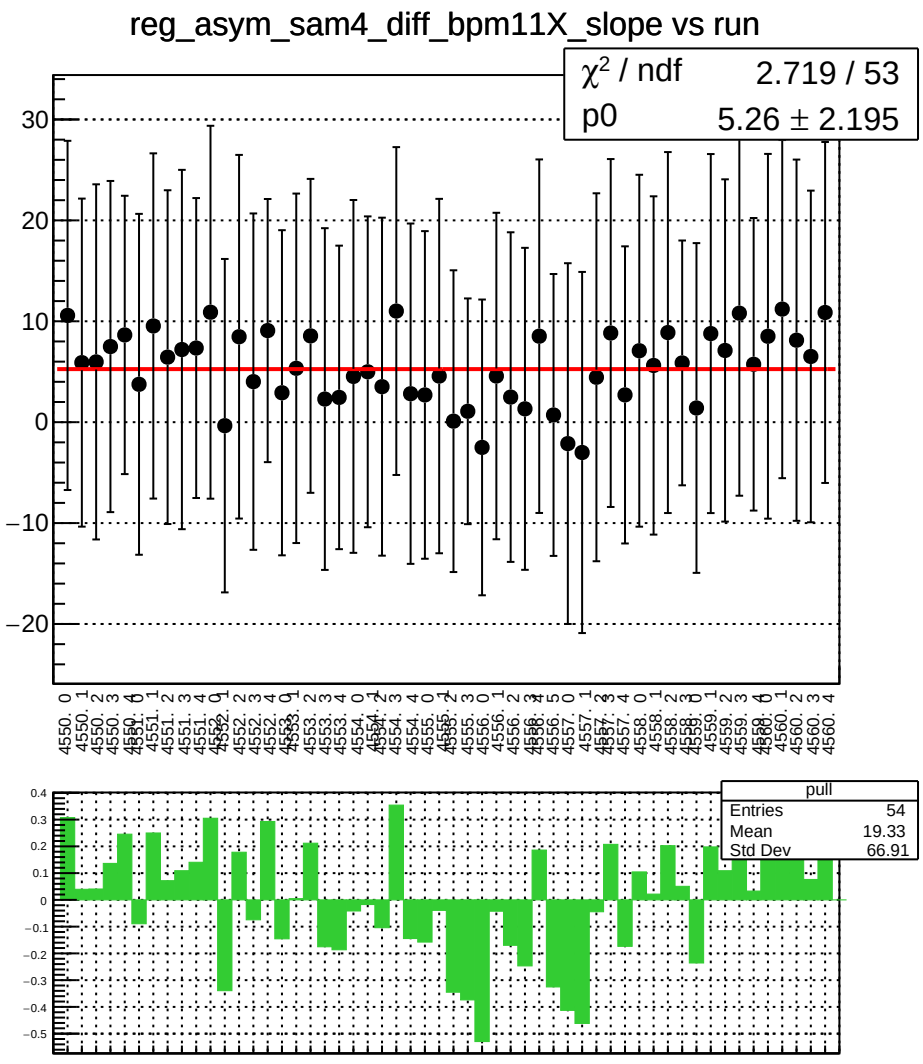

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 242.7 / 53
p0 104.2 ± 8.247
pull
Entries 54
Mean −8.719
Std Dev 20.97
pull1D
Entries 54
Mean −0.1474
Std Dev 2.115

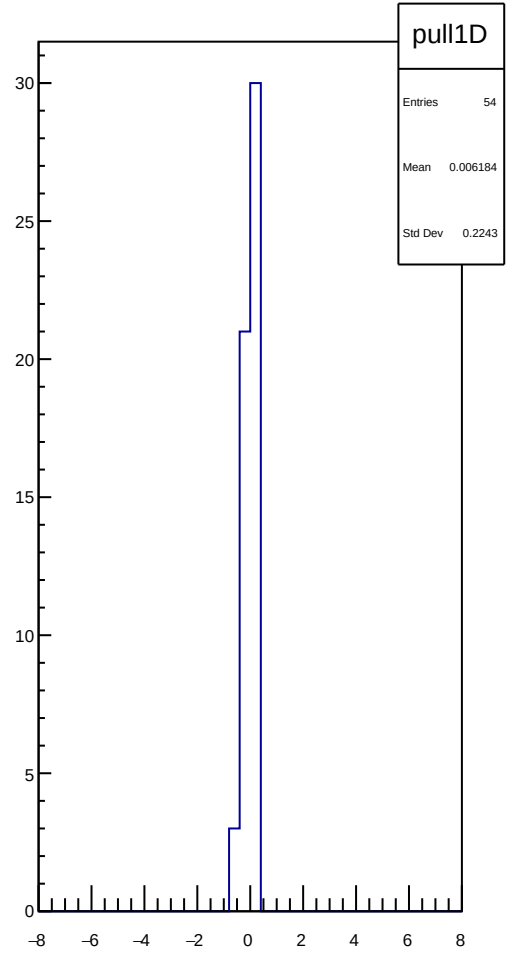

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 41.35 / 53
p0 −507.5 ± 1.083
−490
−500
−510
−520
−530
−540
pull
Entries 54
Mean −1.263
Std Dev 81.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

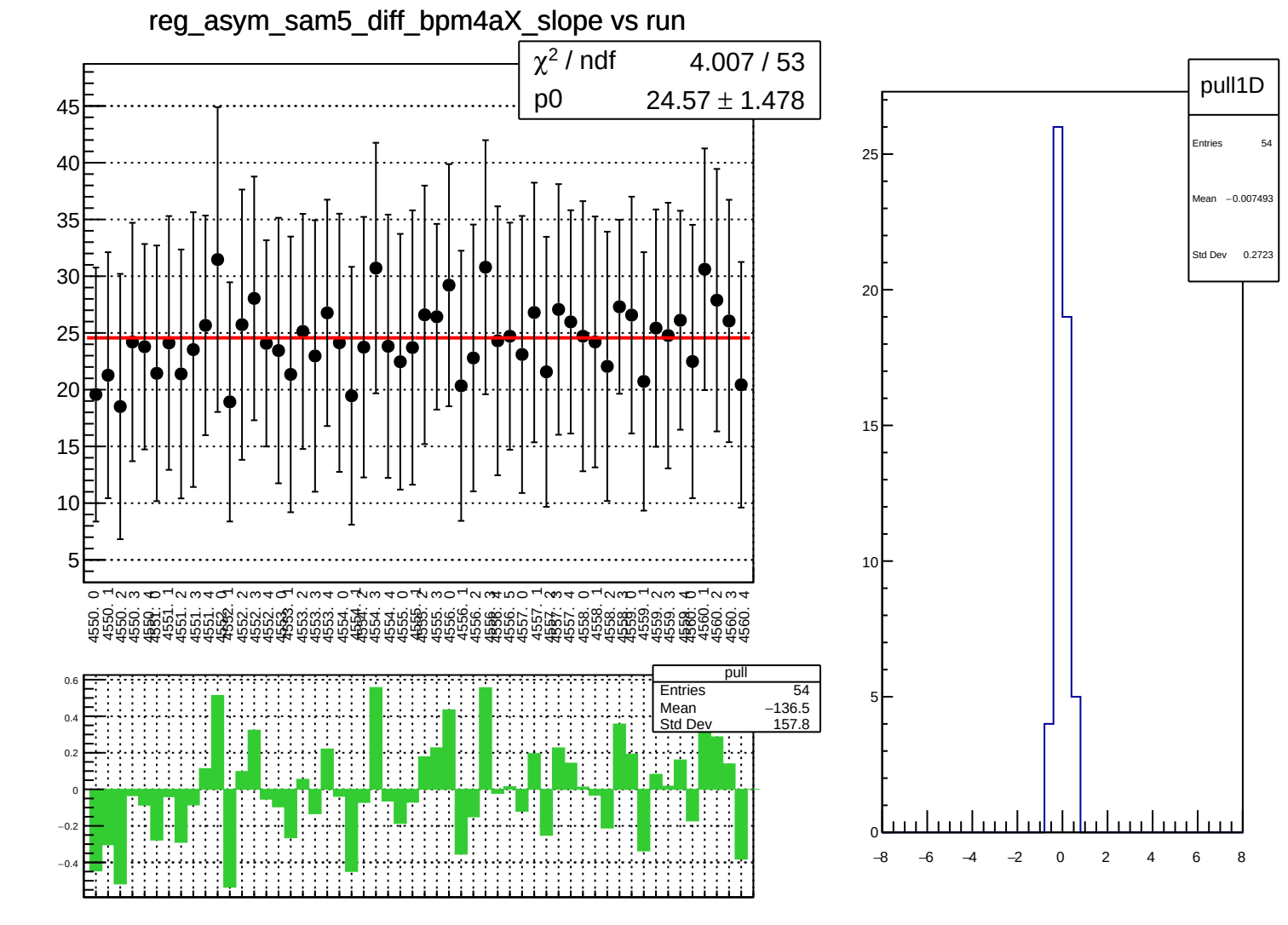

pull1D
Entries 54
Mean −0.0125
Std Dev 0.875
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

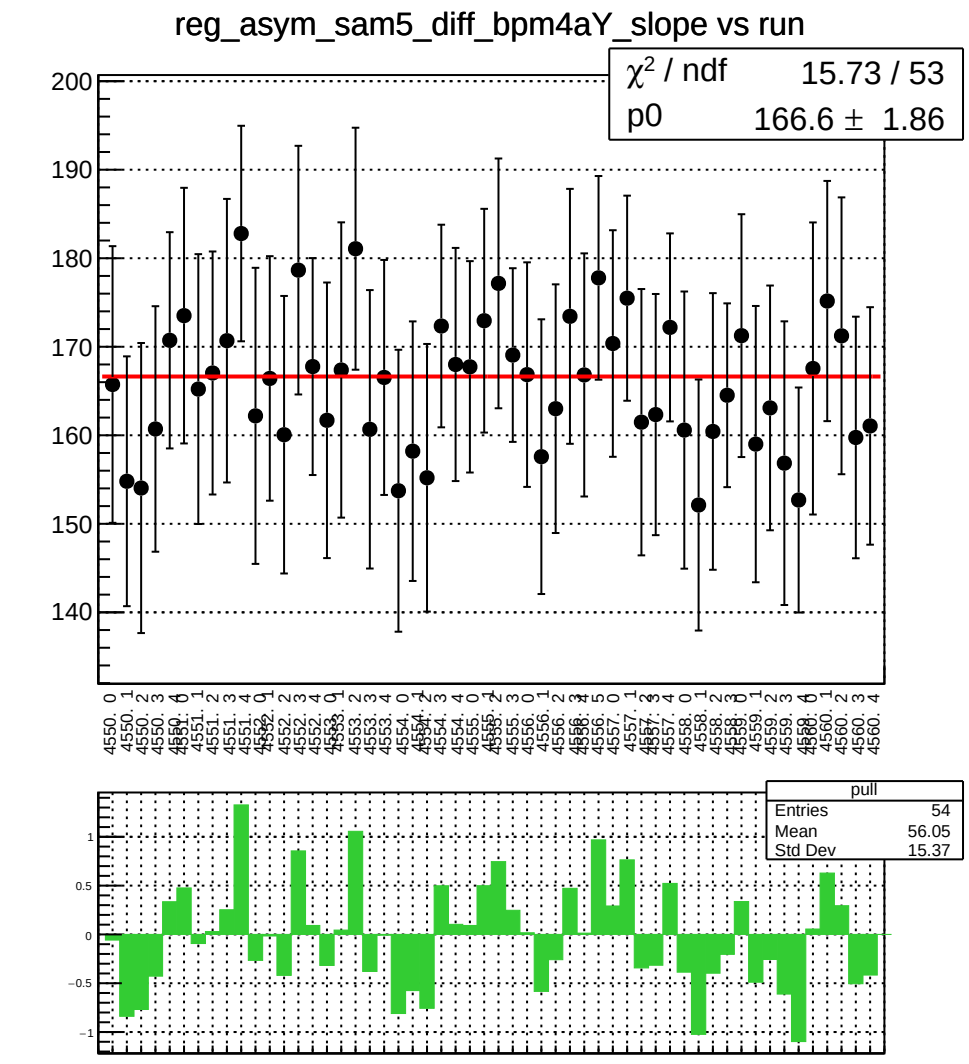

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 234.8 / 53
p0 251.4 ± 11.08
pull
Entries 54
Mean −6.39
Std Dev 23.77

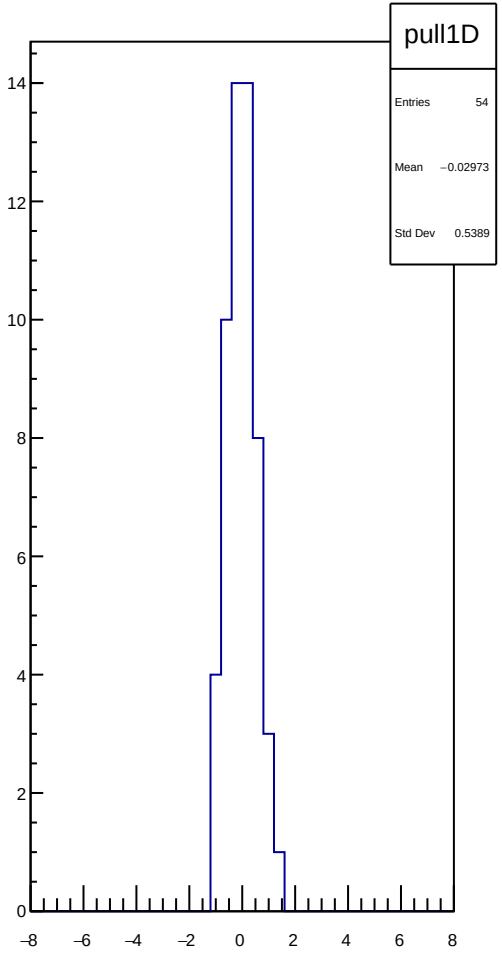

pull1D
Entries 54
Mean 0.1483
Std Dev 2.08

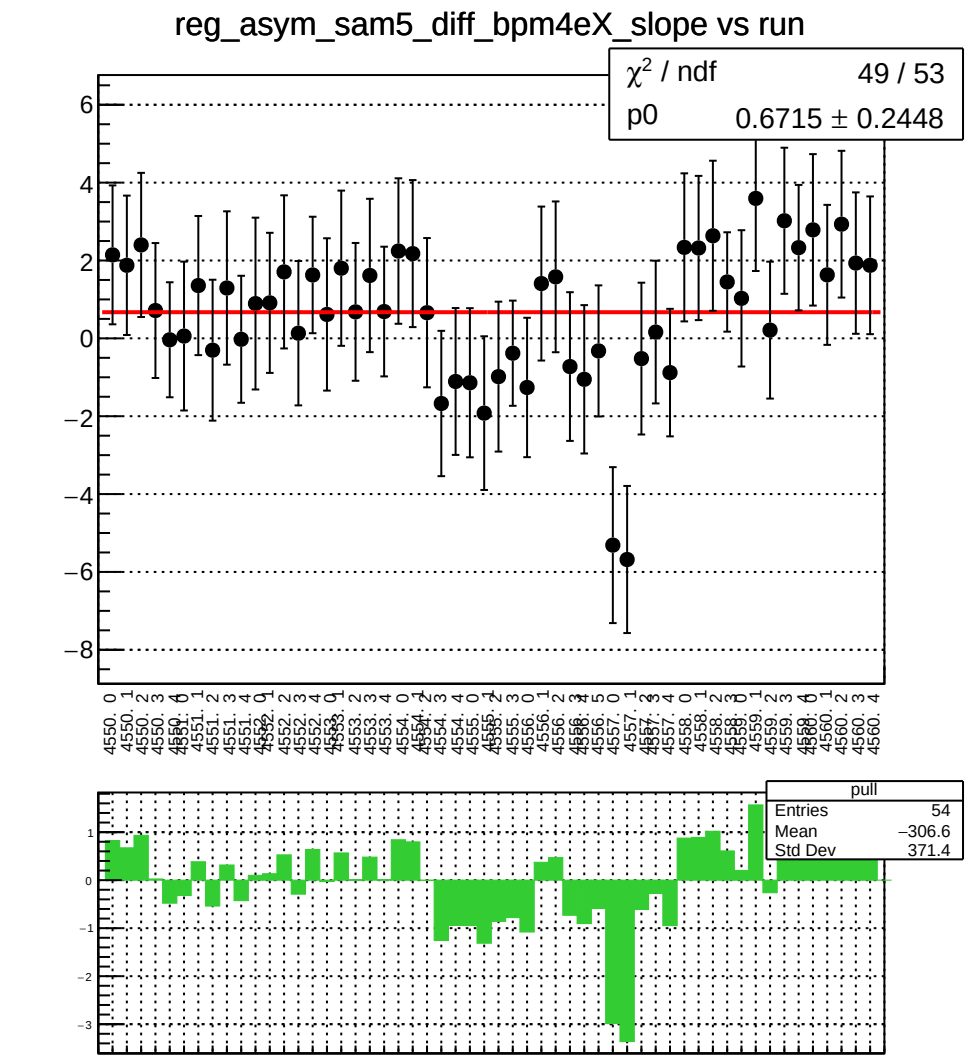

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 2.719 / 53
p0 5.26 ± 2.195
pull
Entries 54
Mean 19.33
Std Dev 66.91

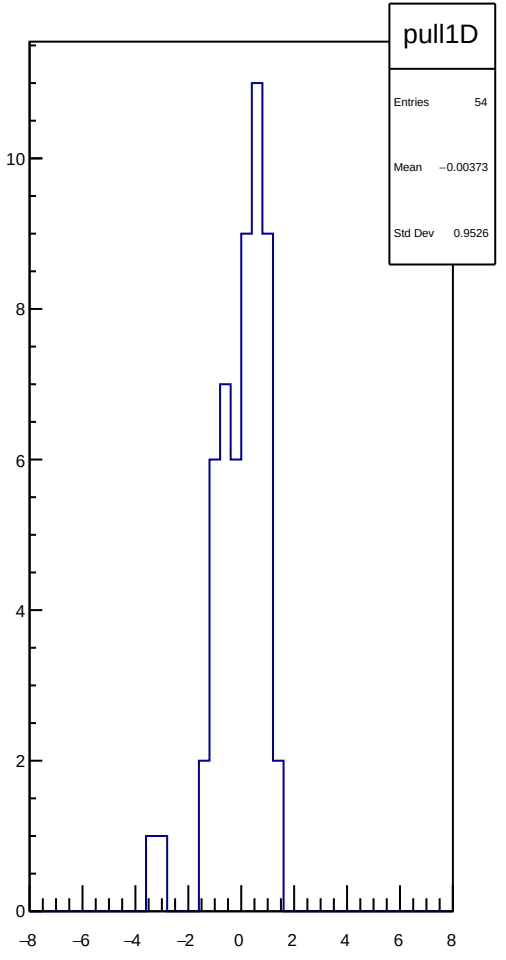

pull1D
Entries 54
Mean 0.006184
Std Dev 0.2243

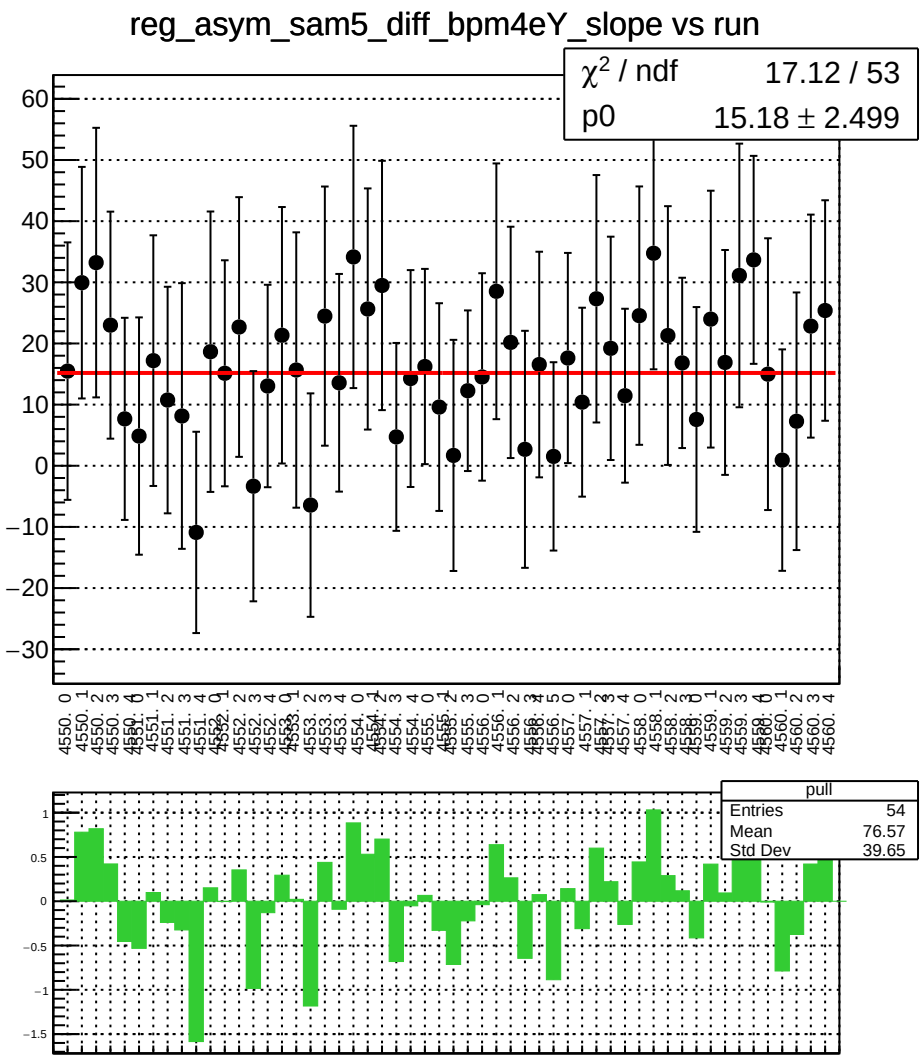

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 4.007 / 53
p0 24.57 ± 1.478
pull
Entries 54
Mean −136.5
Std Dev 157.8
pull1D
Entries 54
Mean −0.007493
Std Dev 0.2723

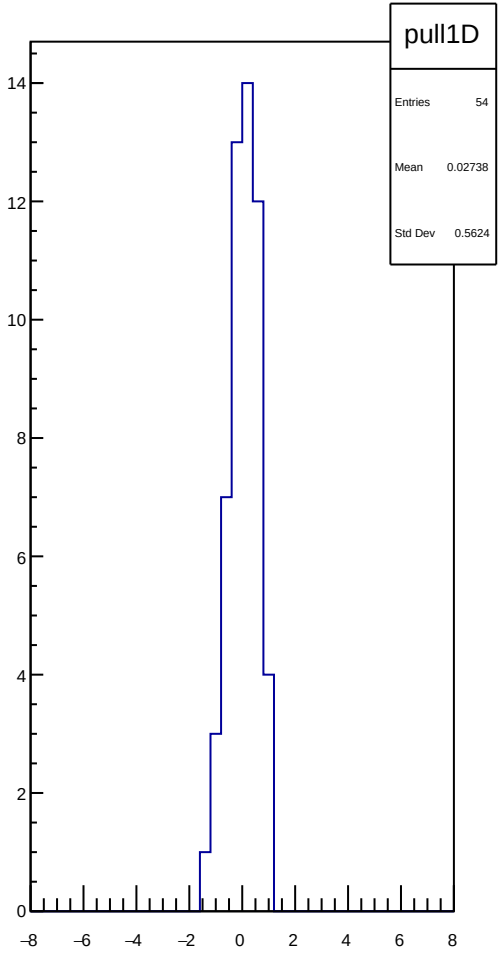

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 15.73 / 53
p0 166.6 ± 1.86
pull
Entries 54
Mean 56.05
Std Dev 15.37

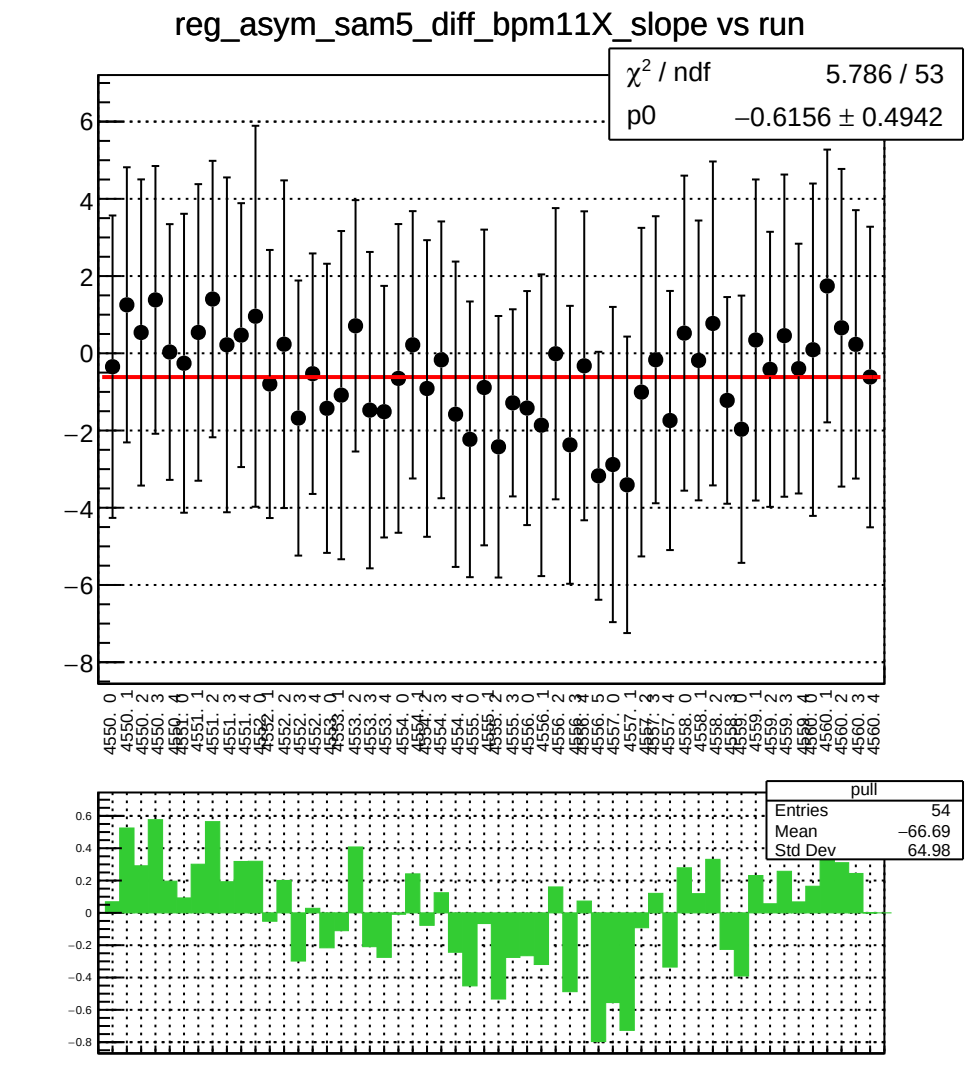

pull1D
Entries 54
Mean −0.02973
Std Dev 0.5389

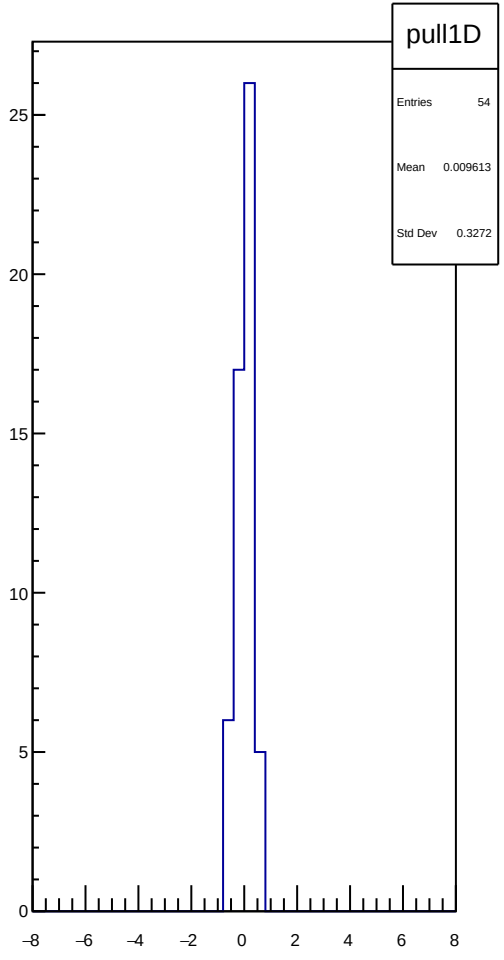

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 49 / 53
p0 0.6715 ± 0.2448
pull
Entries 54
Mean −306.6
Std Dev 371.4

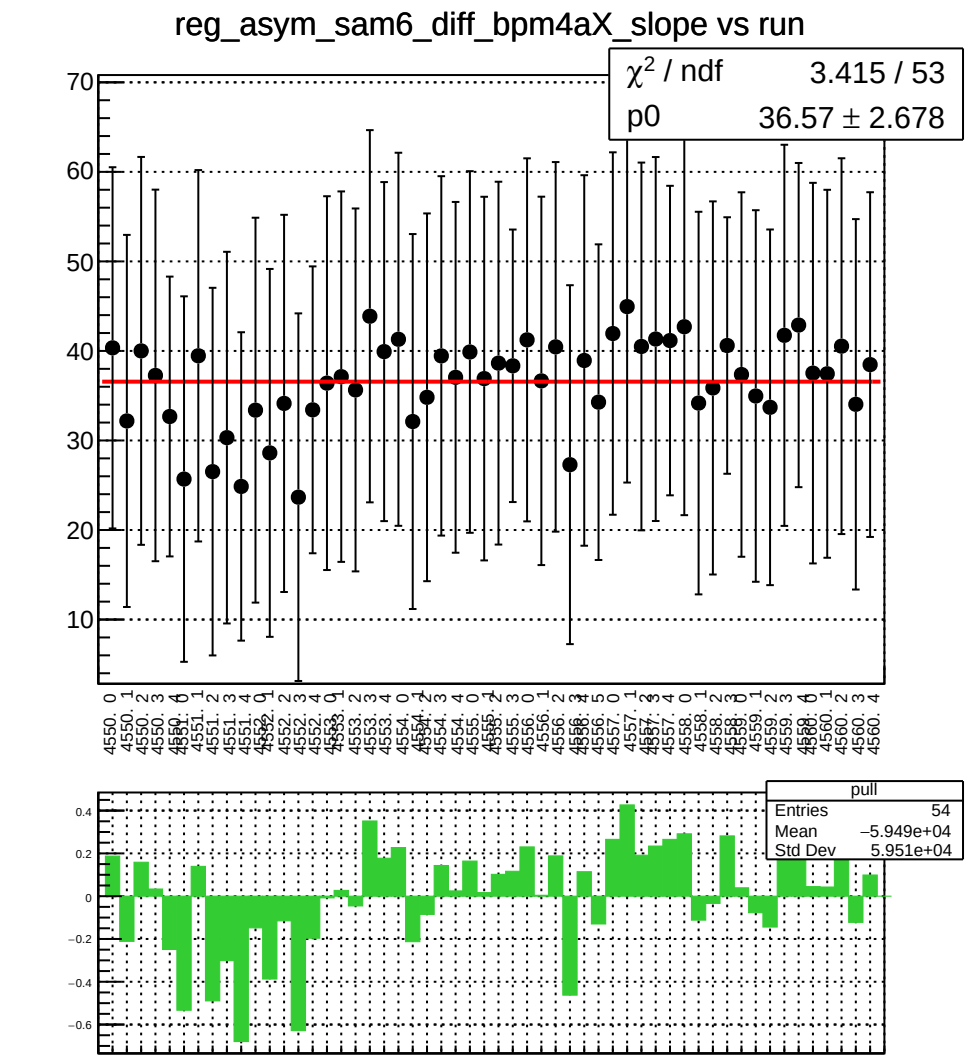

pull1D
Entries 54
Mean −0.00373
Std Dev 0.9526

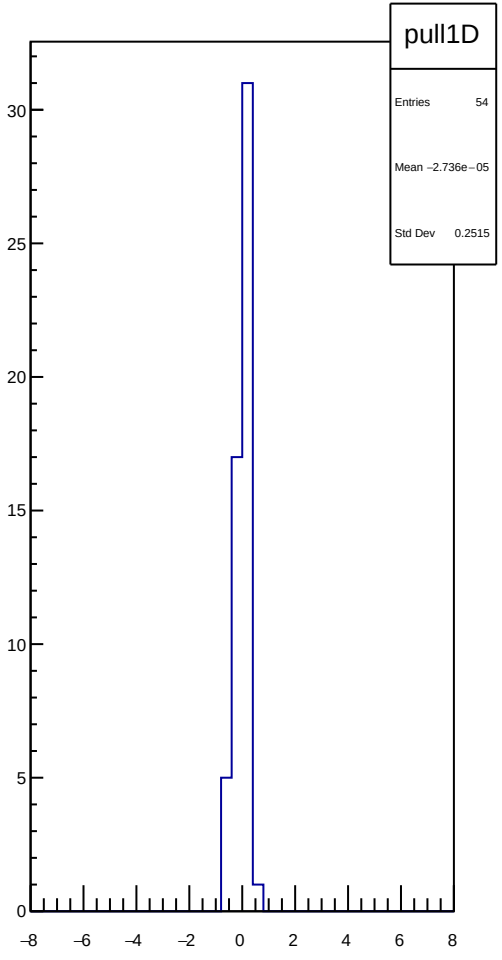

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 17.12 / 53
p0 15.18 ± 2.499
pull
Entries 54
Mean 76.57
Std Dev 39.65

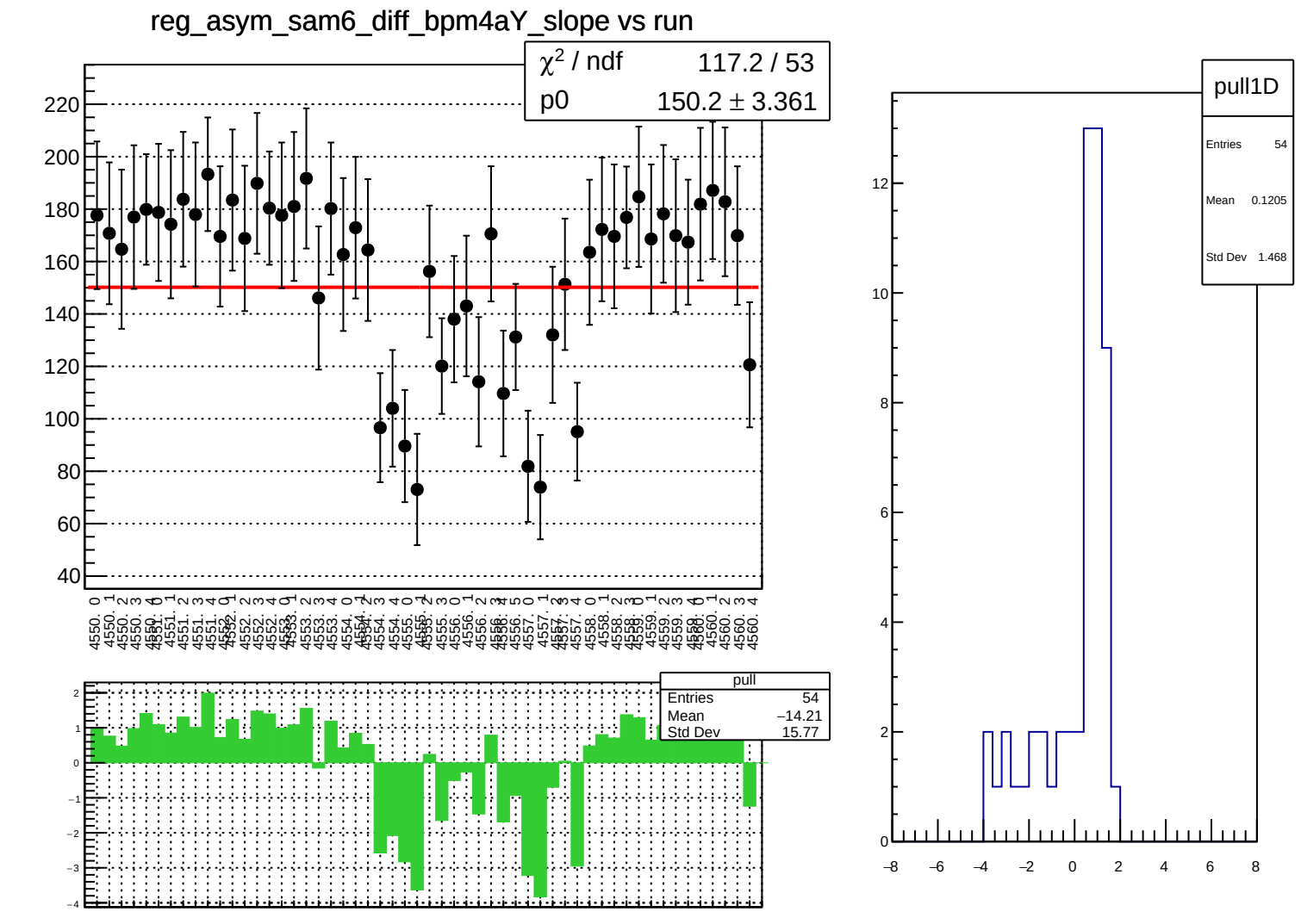

pull1D
Entries 54
Mean 0.02738
Std Dev 0.5624

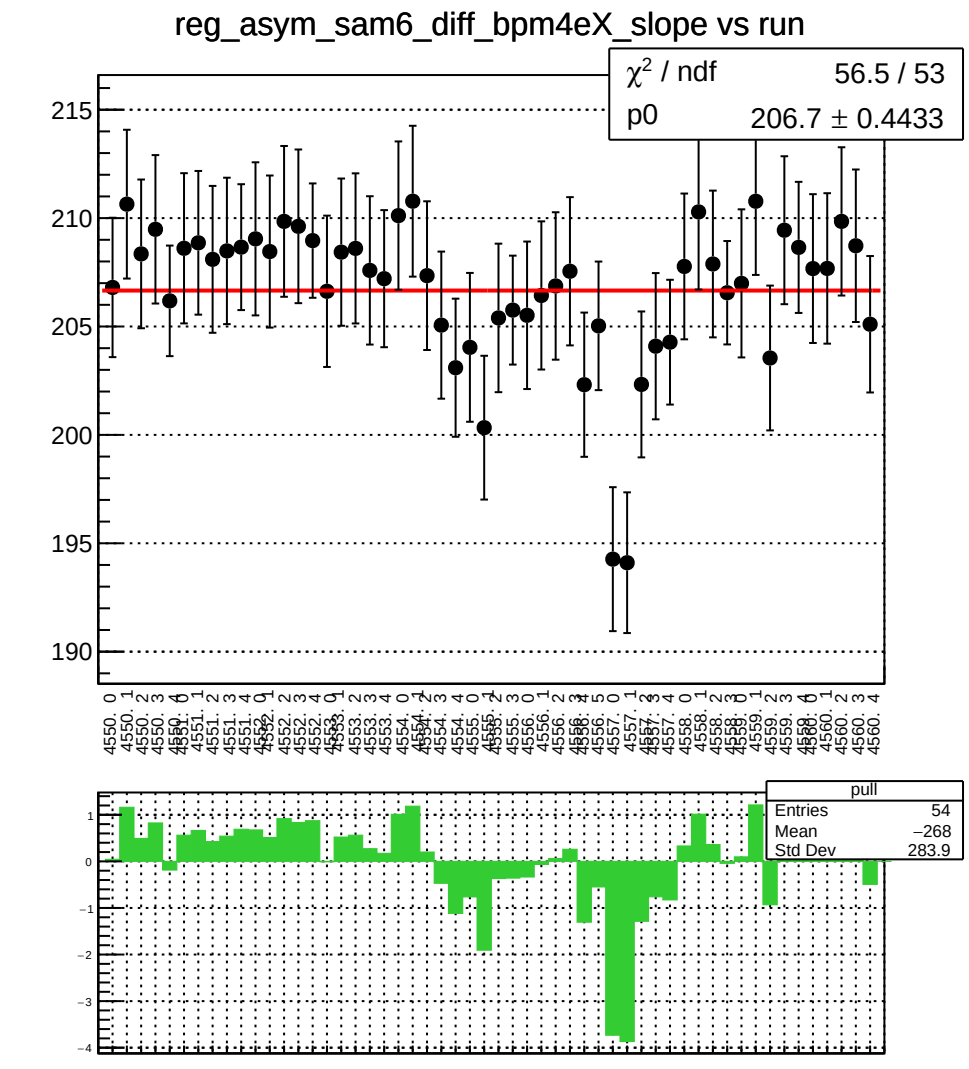

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 5.786 / 53
p0 −0.6156 ± 0.4942
pull
Entries 54
Mean −66.69
Std Dev 64.98

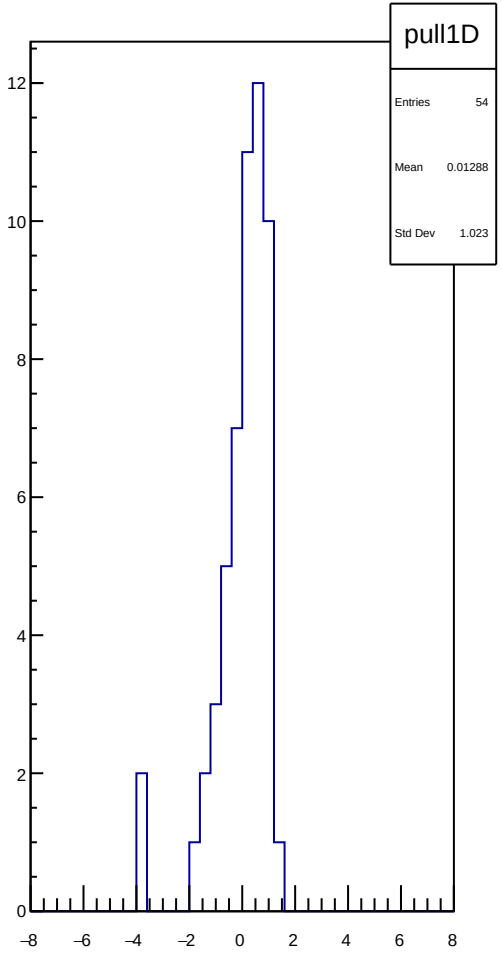

pull1D
Entries 54
Mean 0.009613
Std Dev 0.3272

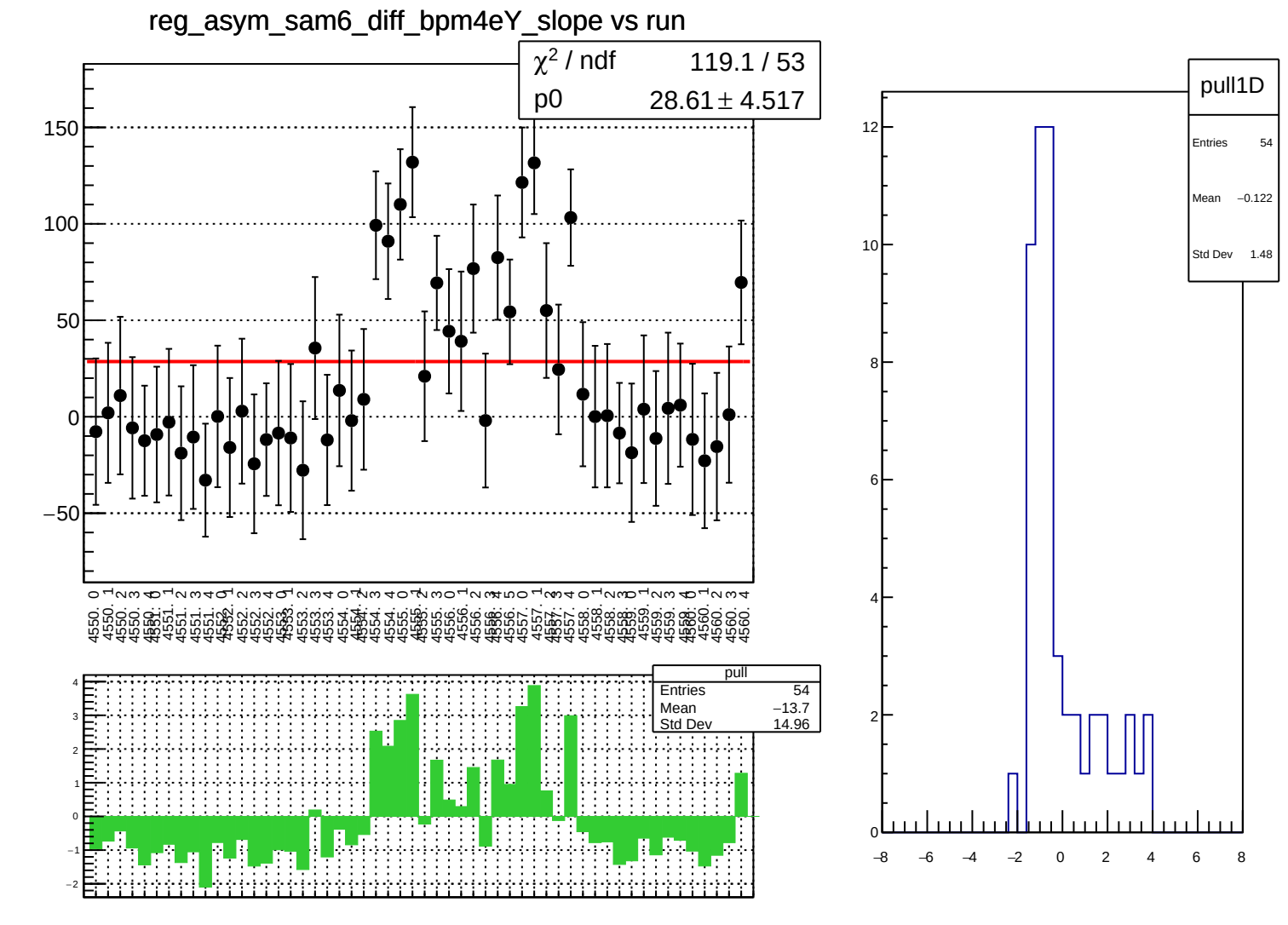

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 3.415 / 53
p0 36.57 ± 2.678
pull
Entries 54
Mean −5.949e+04
Std Dev 5.951e+04

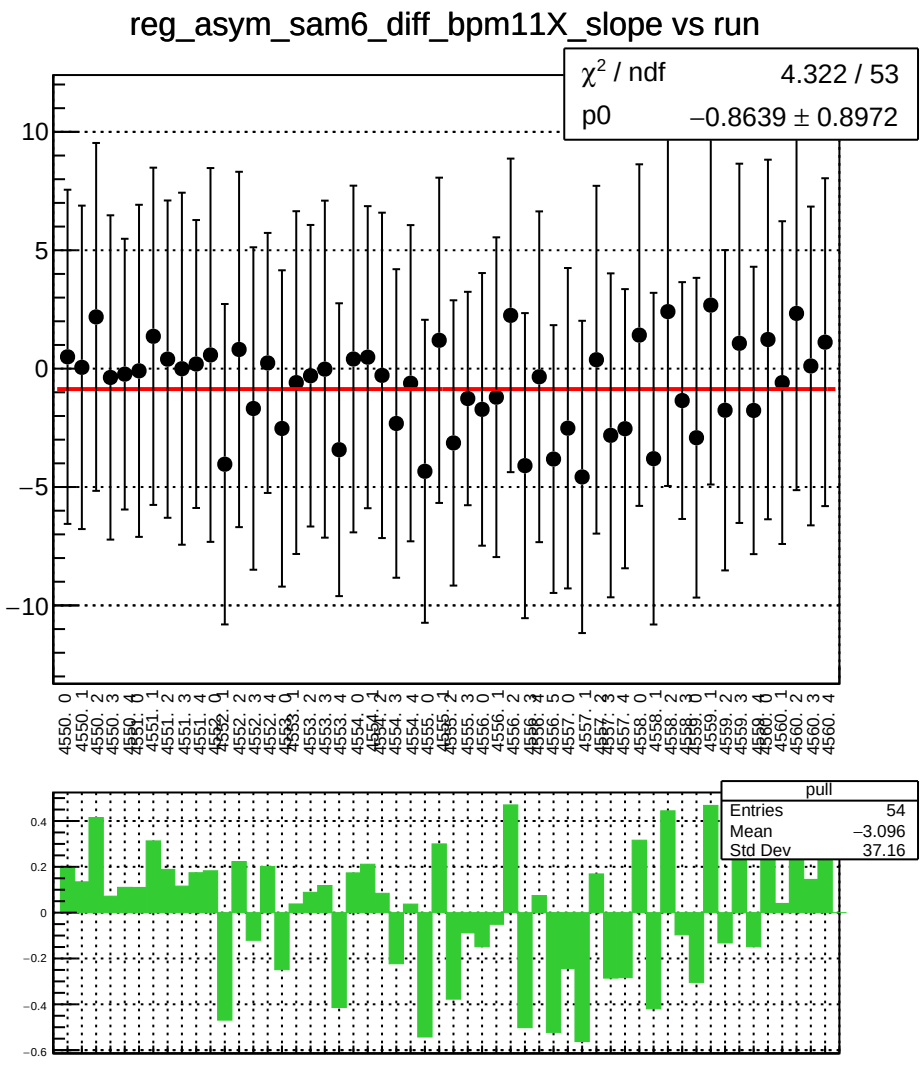

pull1D
Entries 54
Mean −2.736e−05
Std Dev 0.2515

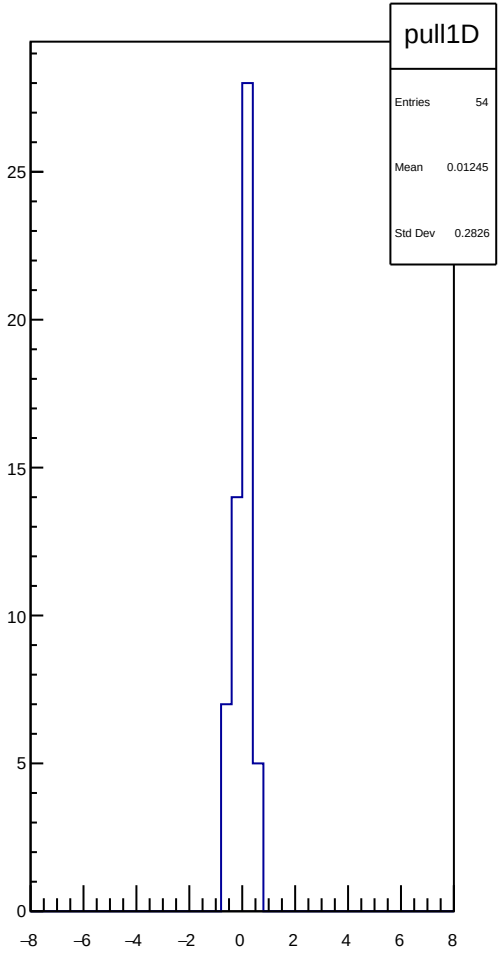

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 117.2 / 53
p0 150.2 ± 3.361
pull
Entries 54
Mean −14.21
Std Dev 15.77
pull1D
Entries 54
Mean 0.1205
Std Dev 1.468

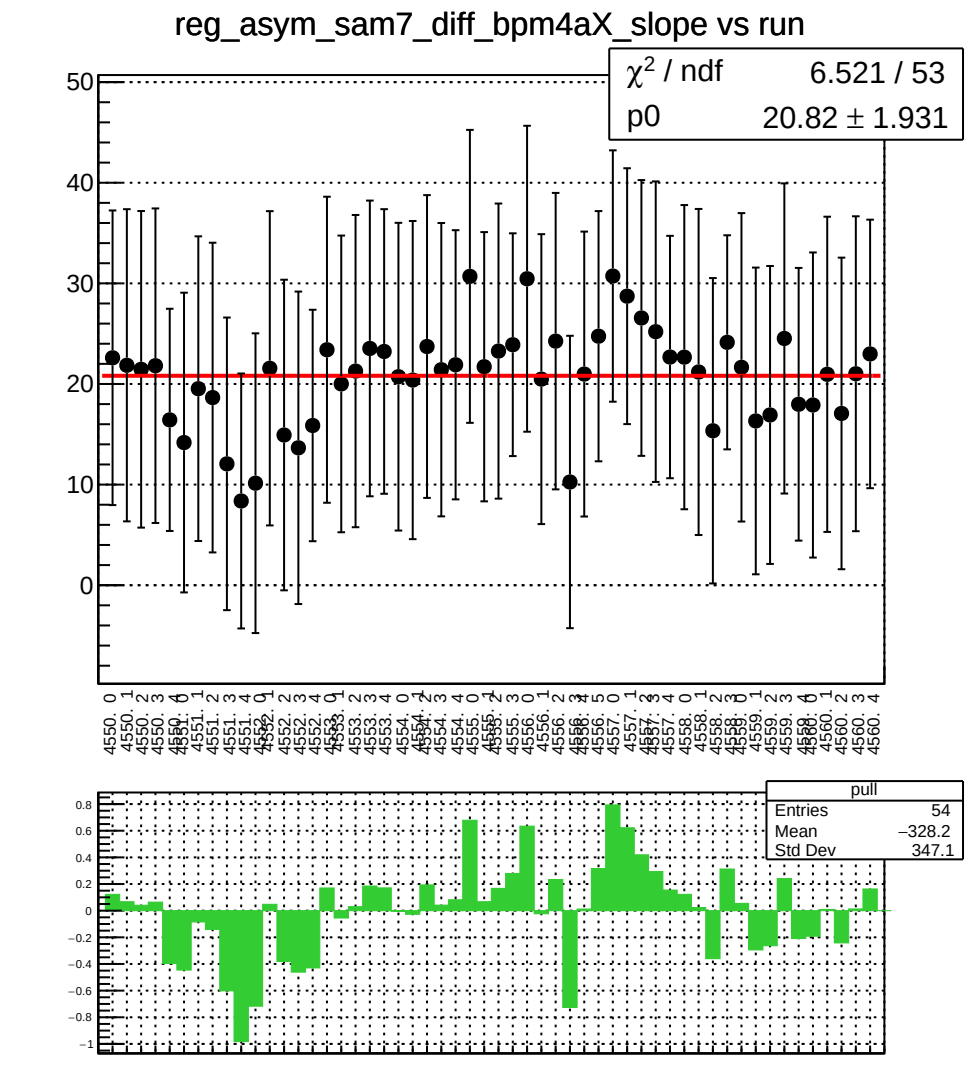

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 56.5 / 53
p0 206.7 ± 0.4433
pull
Entries 54
Mean −268
Std Dev 283.9

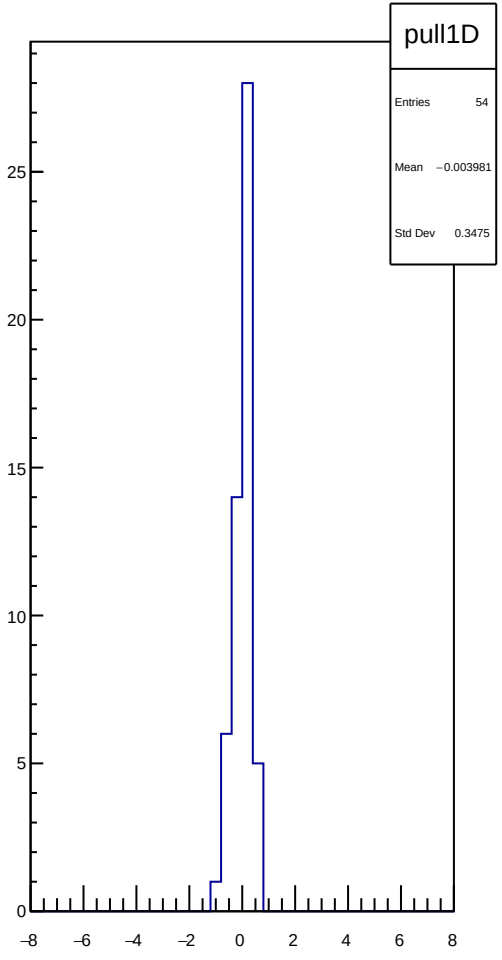

pull1D
Entries 54
Mean 0.01288
Std Dev 1.023

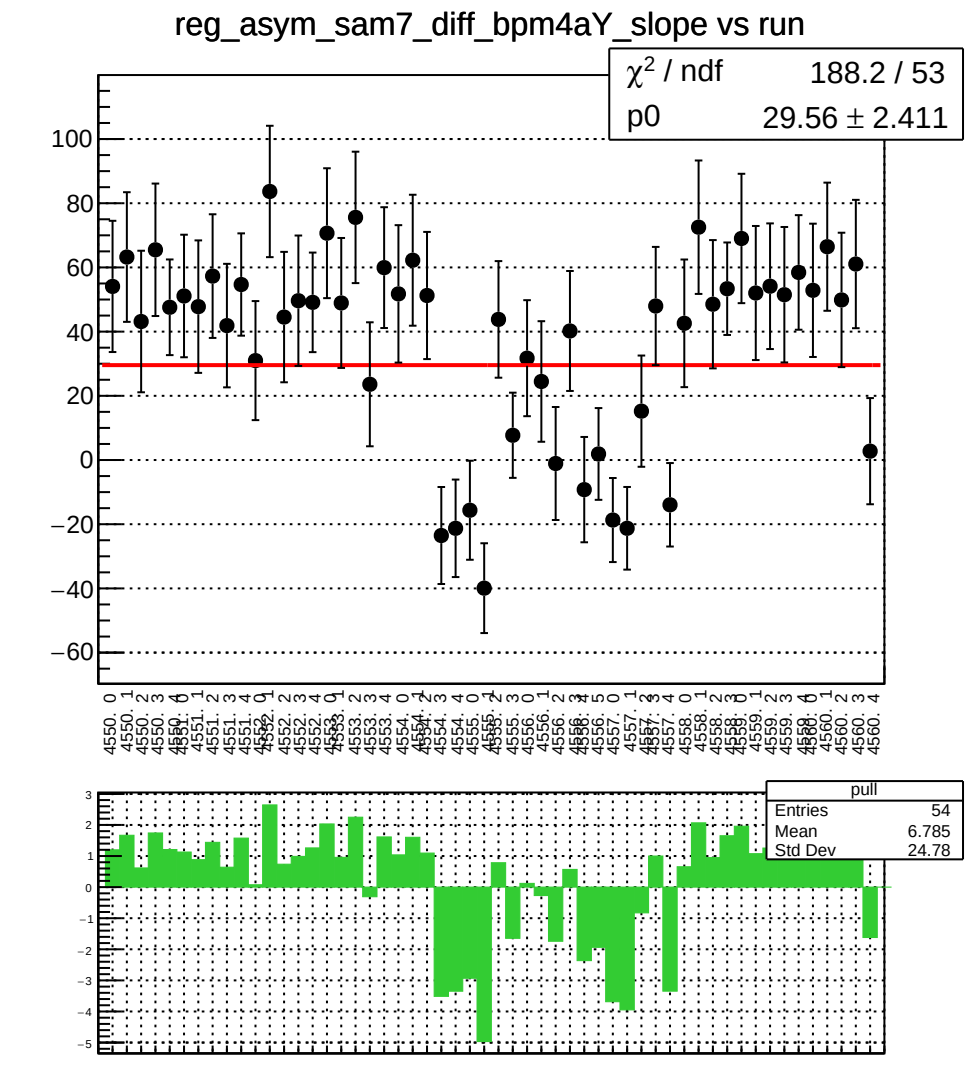

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 119.1 / 53
p0 28.61 ± 4.517
pull
Entries 54
Mean −13.7
Std Dev 14.96
pull1D
Entries 54
Mean −0.122
Std Dev 1.48

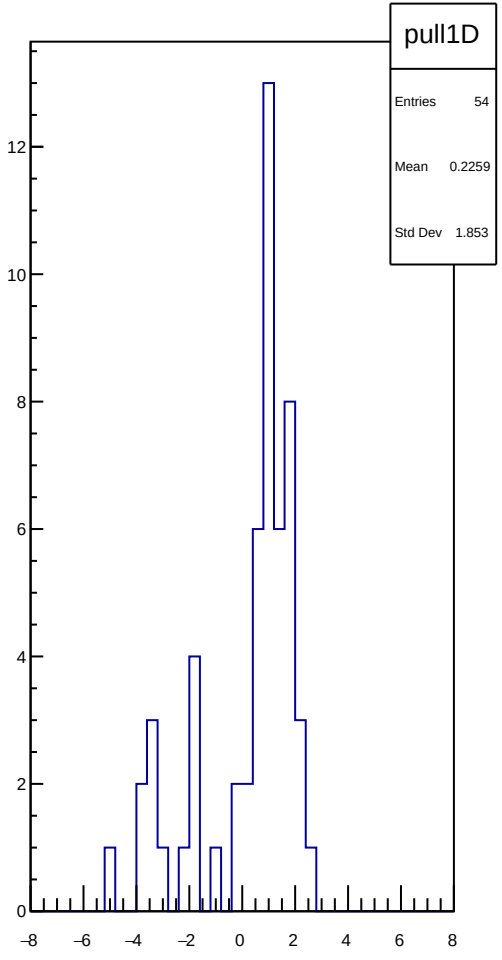

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 4.322 / 53
p0 −0.8639 ± 0.8972
pull
Entries 54
Mean −3.096
Std Dev 37.16

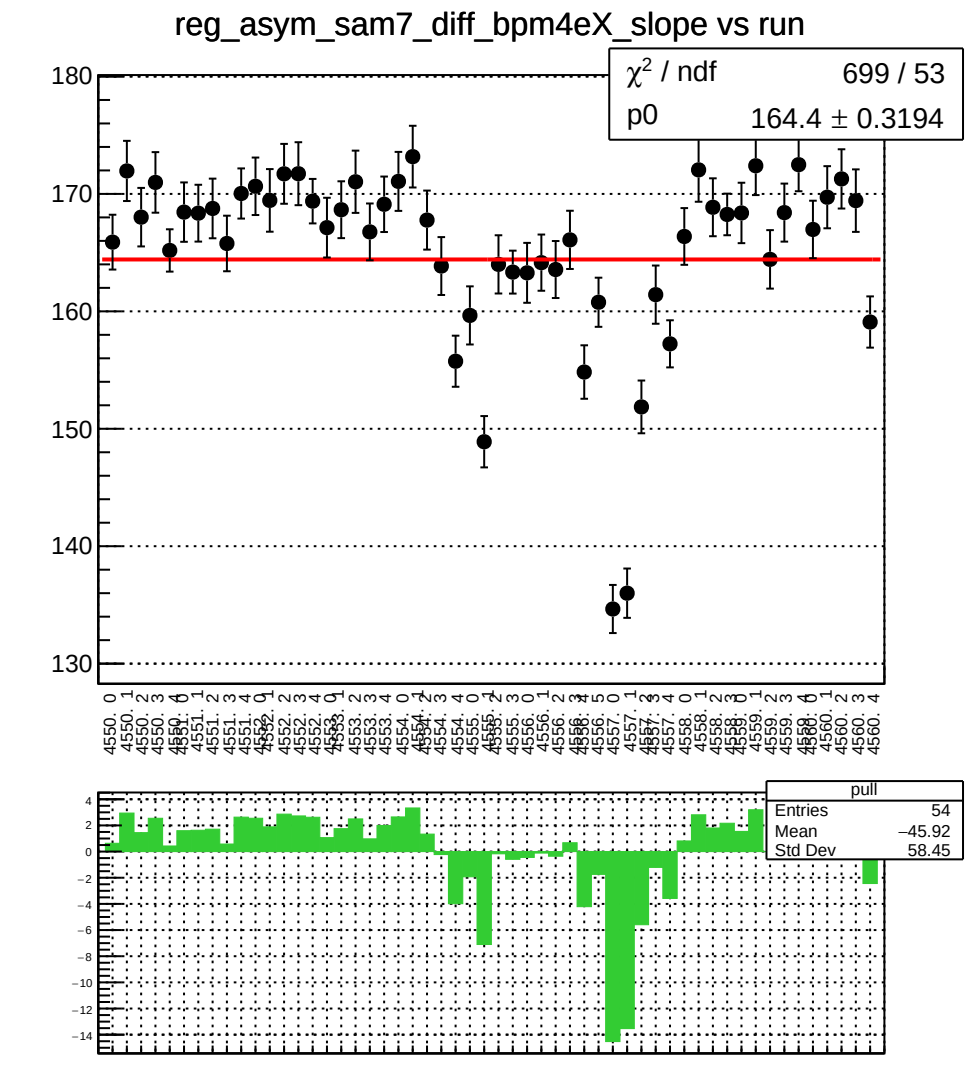

pull1D
Entries 54
Mean 0.01245
Std Dev 0.2826

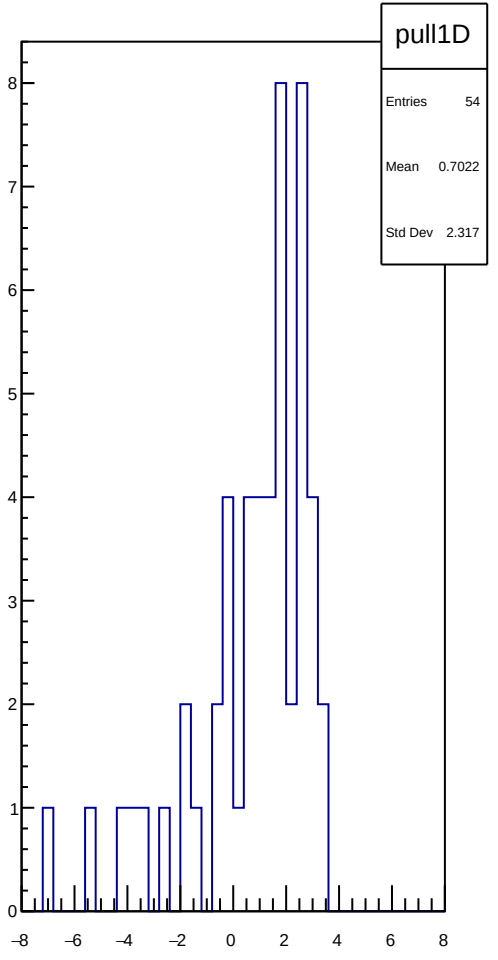

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 6.521 / 53
p0 20.82 ± 1.931
pull
Entries 54
Mean −328.2
Std Dev 347.1

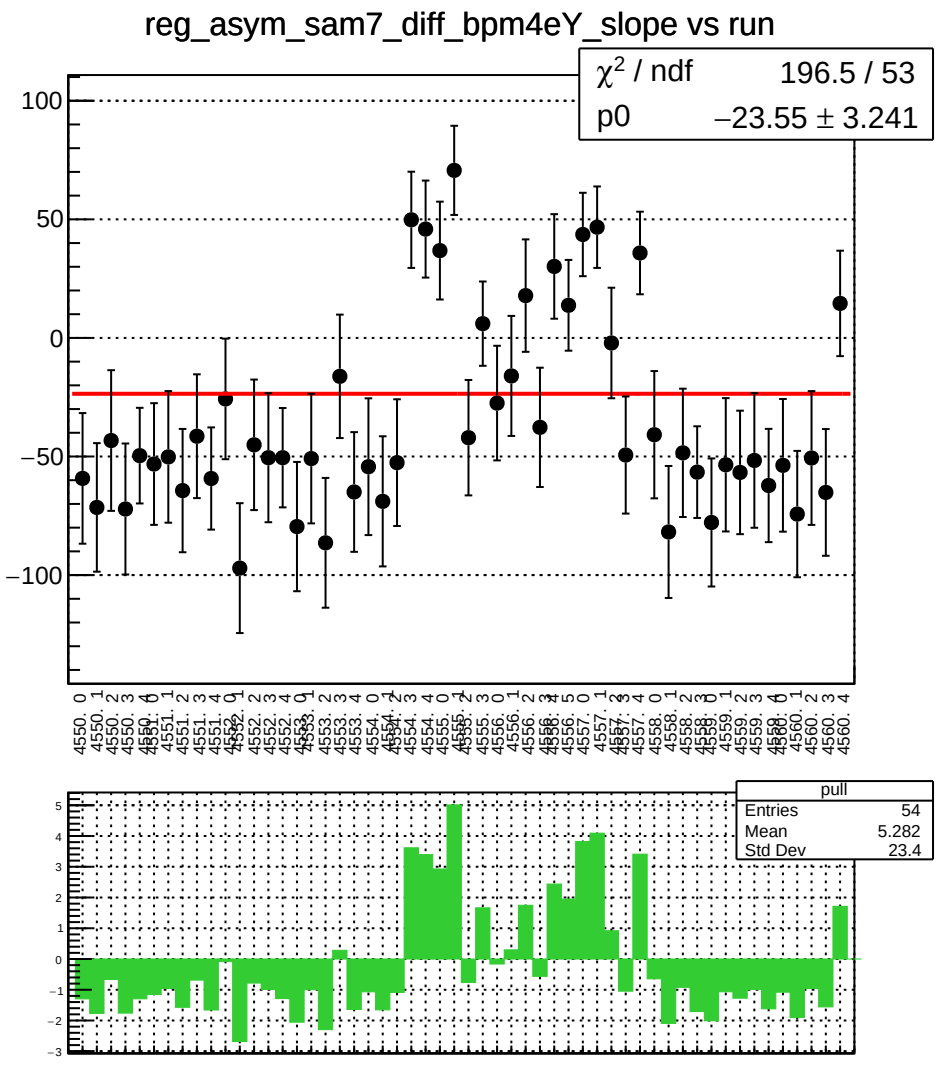

pull1D
Entries 54
Mean −0.003981
Std Dev 0.3475

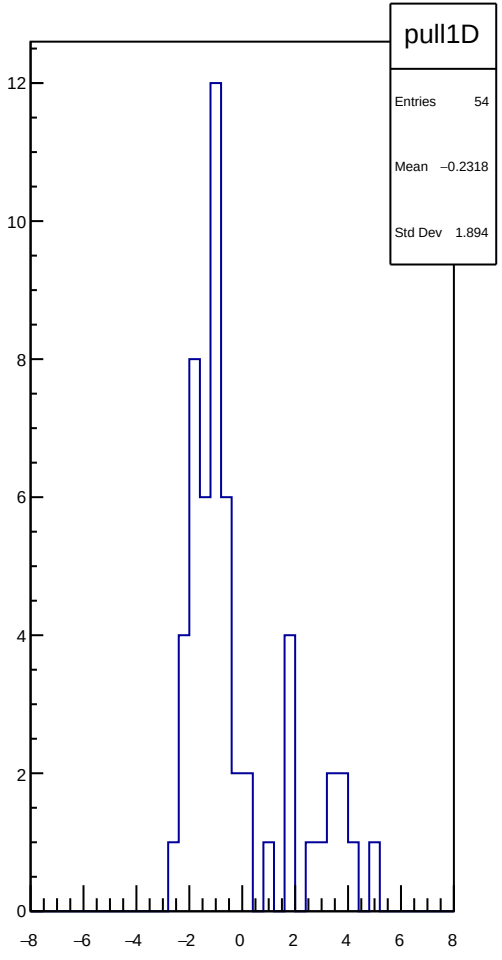

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 188.2 / 53
p0 29.56 ± 2.411
pull
Entries 54
Mean 6.785
Std Dev 24.78

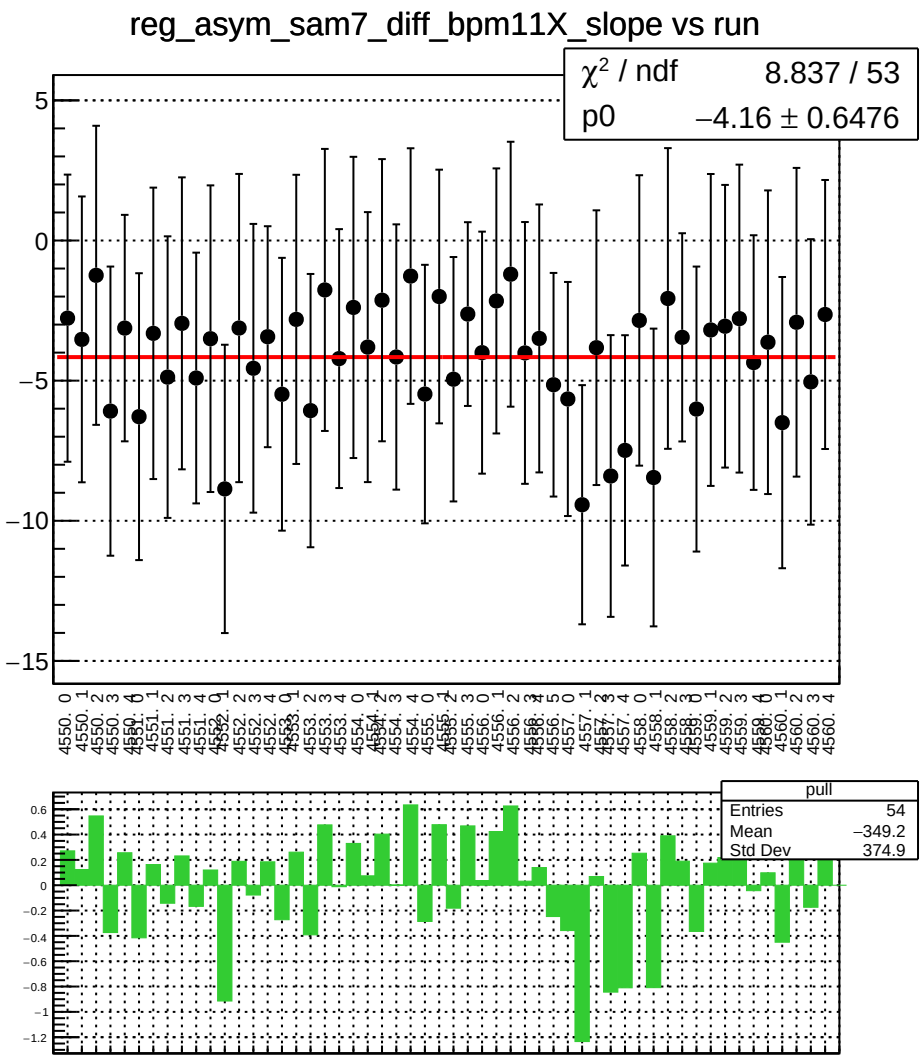

pull1D
Entries 54
Mean 0.2259
Std Dev 1.853

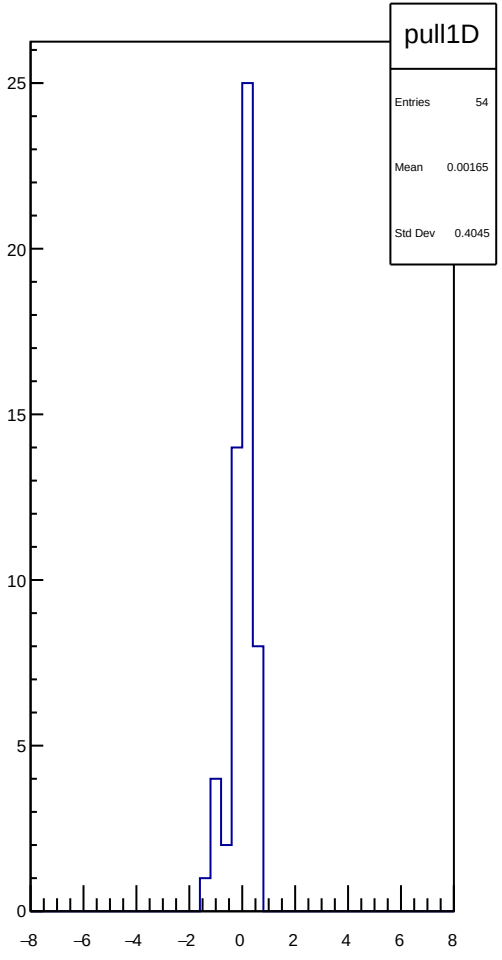

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 699 / 53
p0 164.4 ± 0.3194
pull
Entries 54
Mean −45.92
Std Dev 58.45

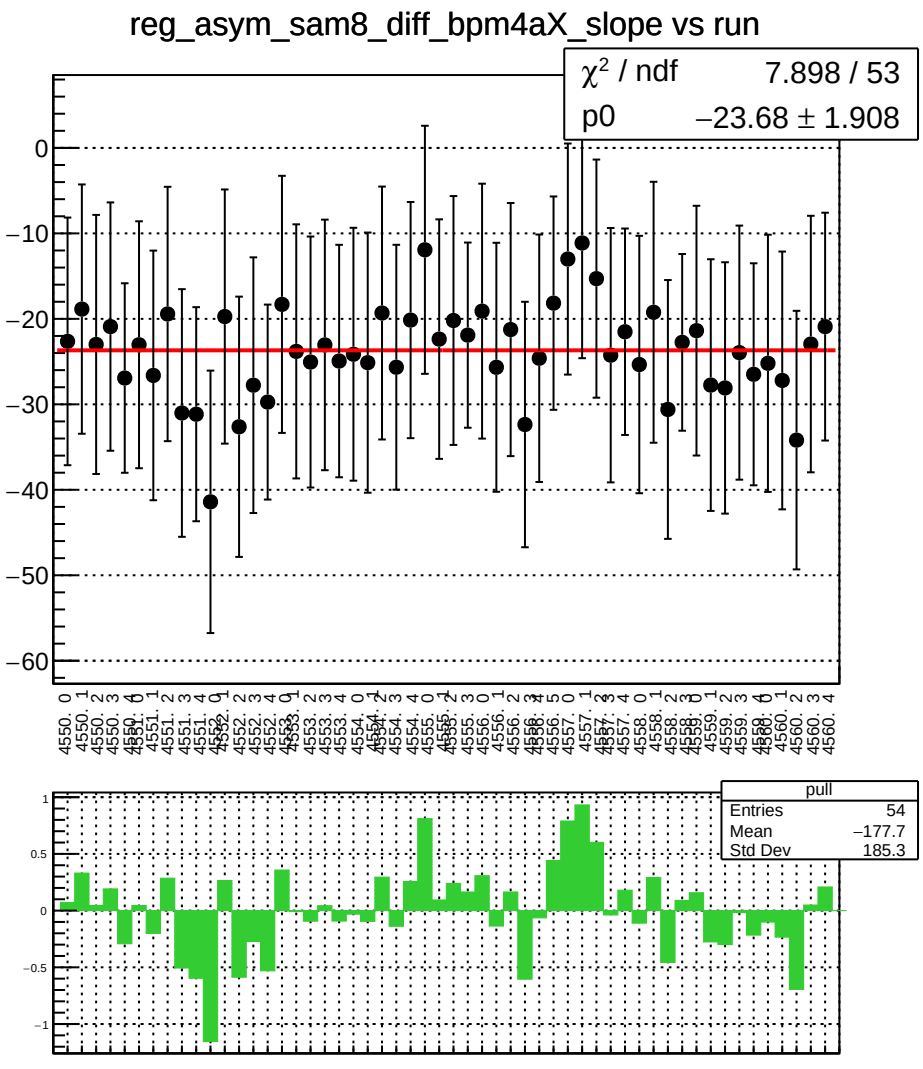

pull1D
Entries 54
Mean 0.7022
Std Dev 2.317

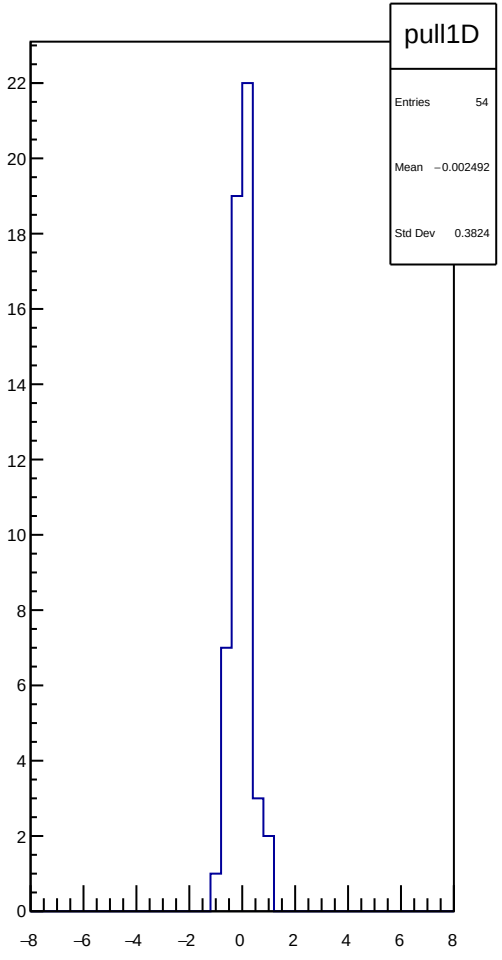

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 196.5 / 53
p0 −23.55 ± 3.241
pull
Entries 54
Mean 5.282
Std Dev 23.4

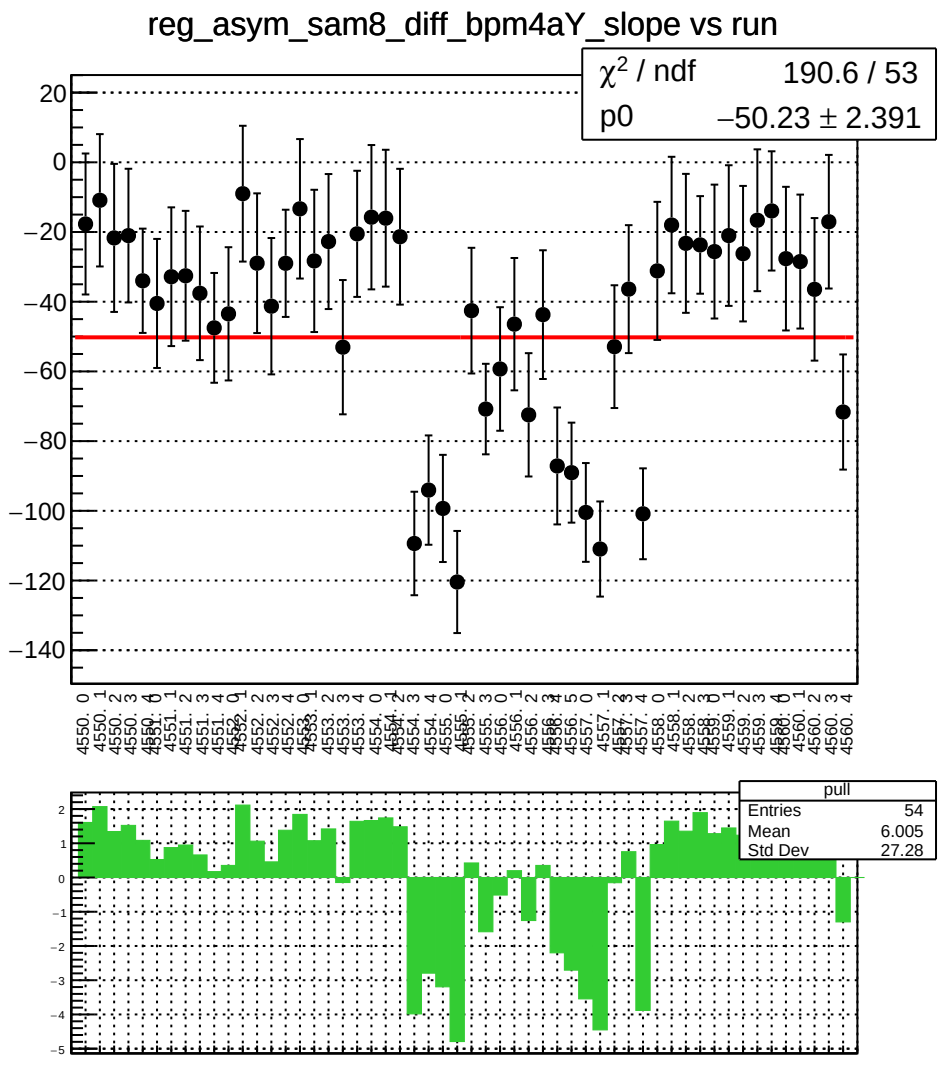

pull1D
Entries 54
Mean −0.2318
Std Dev 1.894

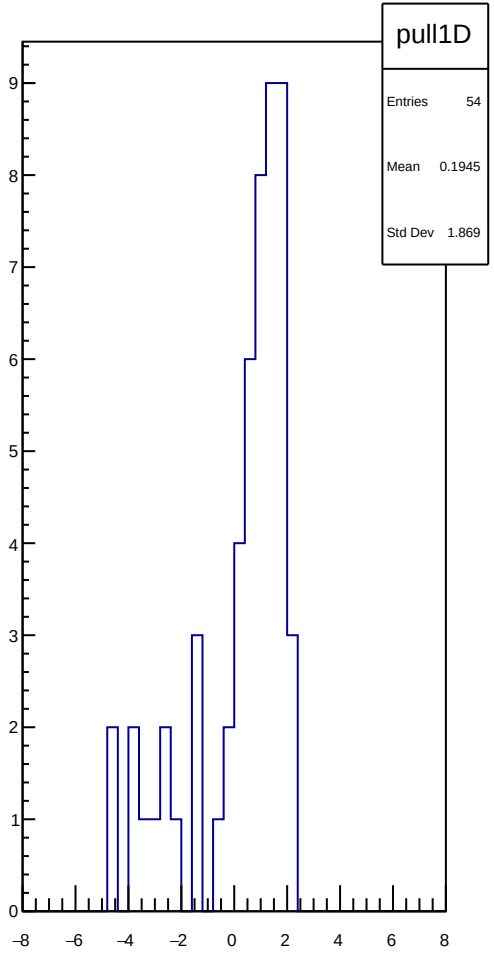

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 8.837 / 53
p0 −4.16 ± 0.6476
pull
Entries 54
Mean −349.2
Std Dev 374.9

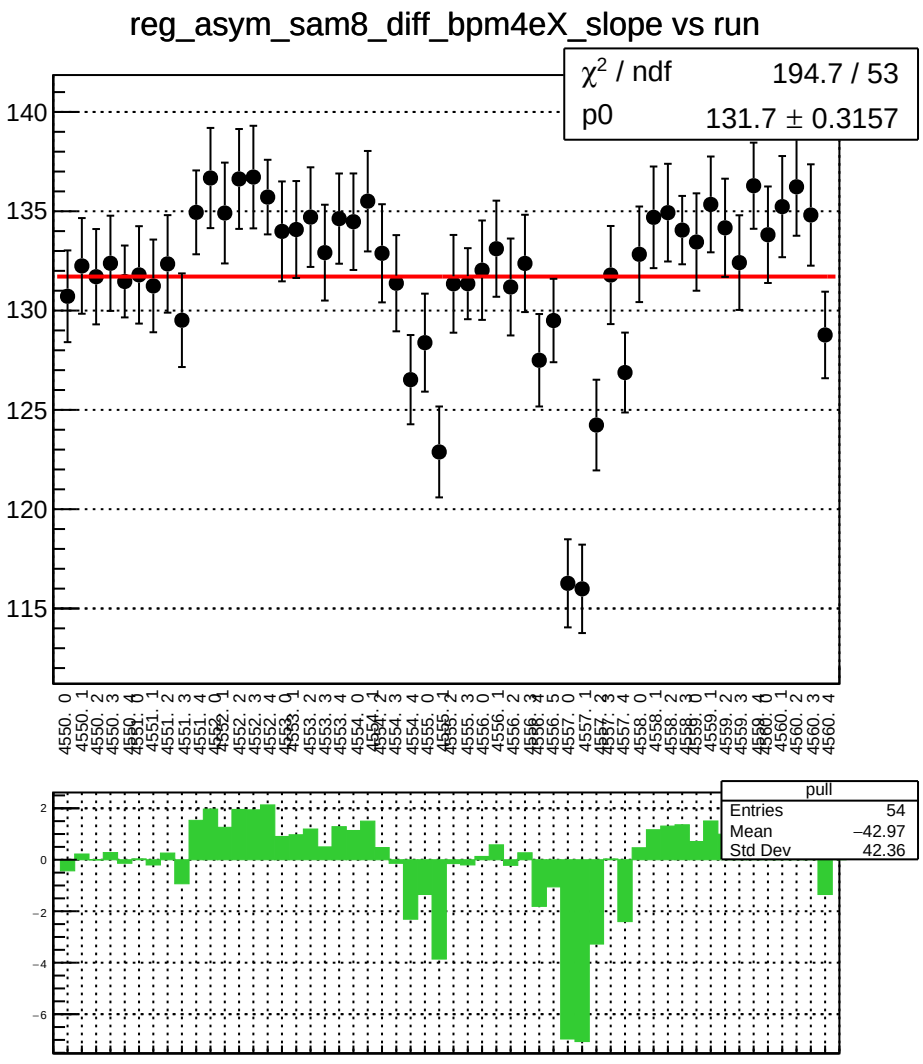

pull1D
Entries 54
Mean 0.00165
Std Dev 0.4045

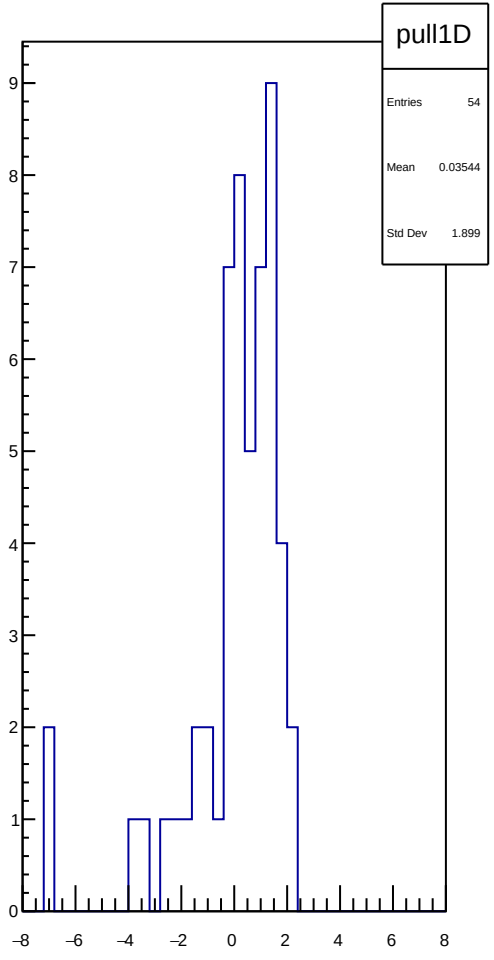

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 7.898 / 53
p0 −23.68 ± 1.908
pull
Entries 54
Mean −177.7
Std Dev 185.3

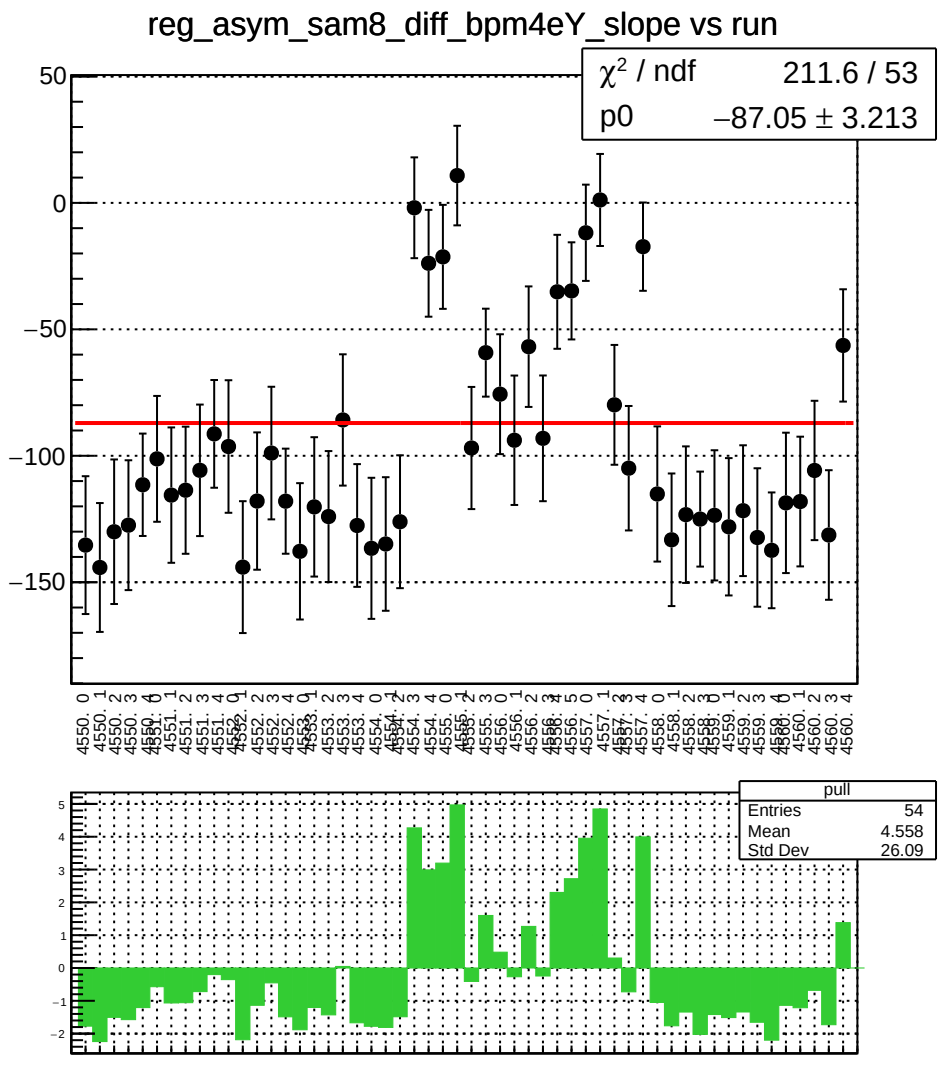

pull1D
Entries 54
Mean −0.002492
Std Dev 0.3824

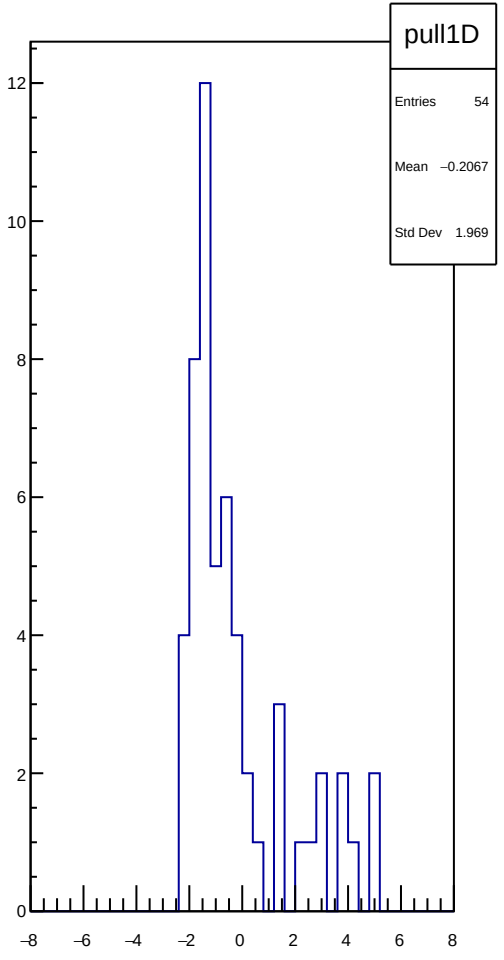

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 190.6 / 53
p0 −50.23 ± 2.391
pull
Entries 54
Mean 6.005
Std Dev 27.28

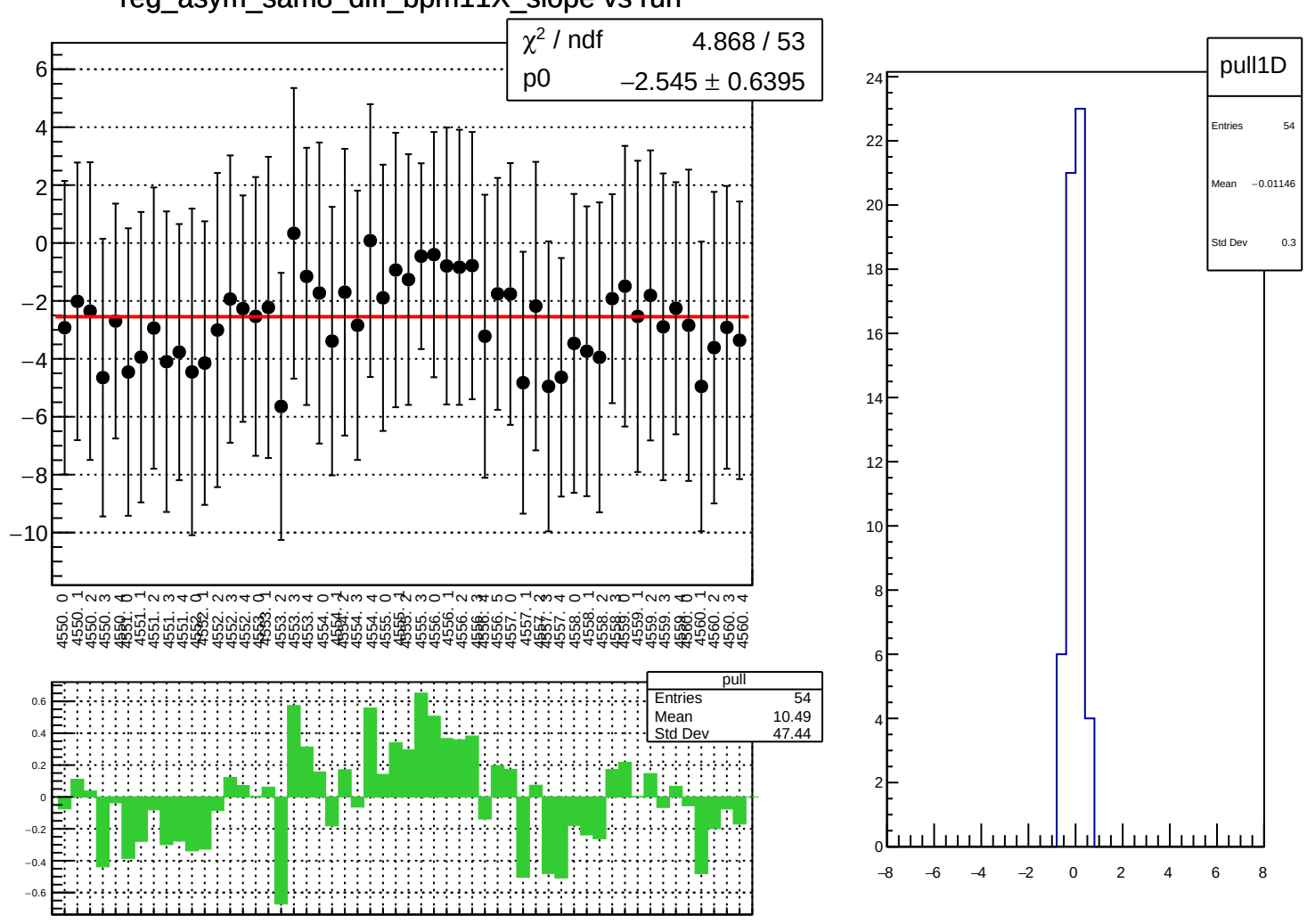

pull1D
Entries 54
Mean 0.1945
Std Dev 1.869

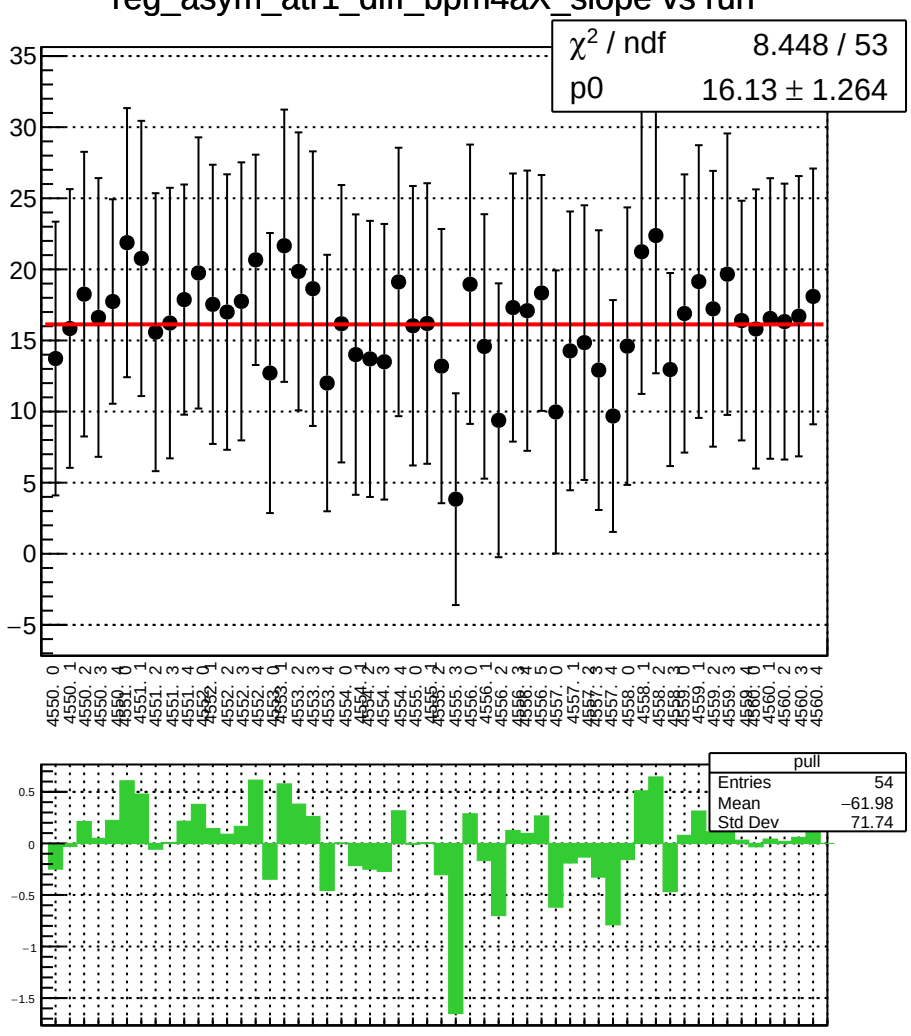

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 194.7 / 53
p0 131.7 ± 0.3157
pull
Entries 54
Mean −42.97
Std Dev 42.36

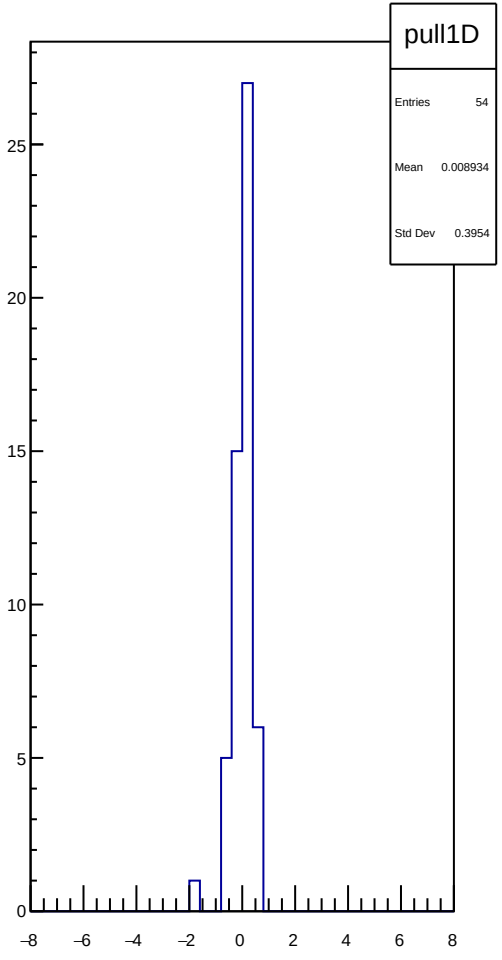

pull1D
Entries 54
Mean 0.03544
Std Dev 1.899

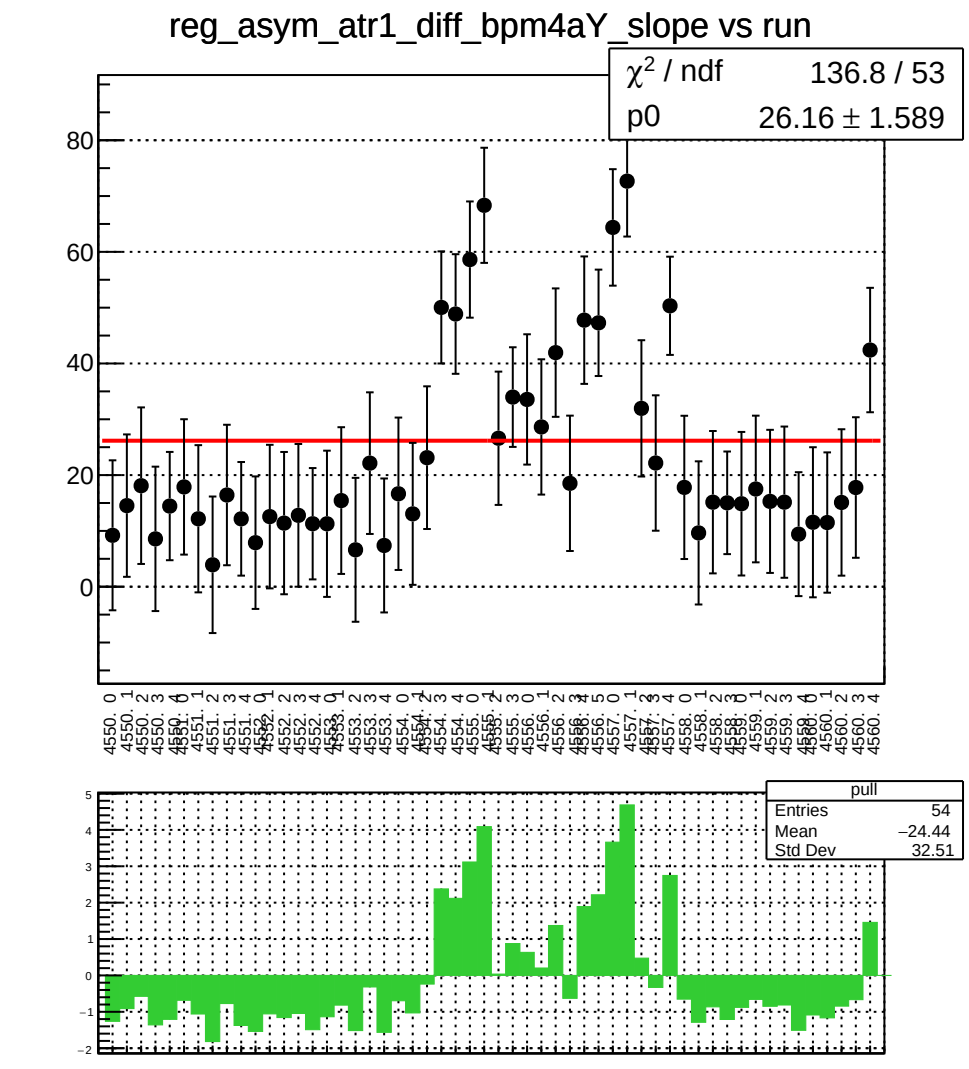

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 211.6 / 53
p0 −87.05 ± 3.213
pull
Entries 54
Mean 4.558
Std Dev 26.09

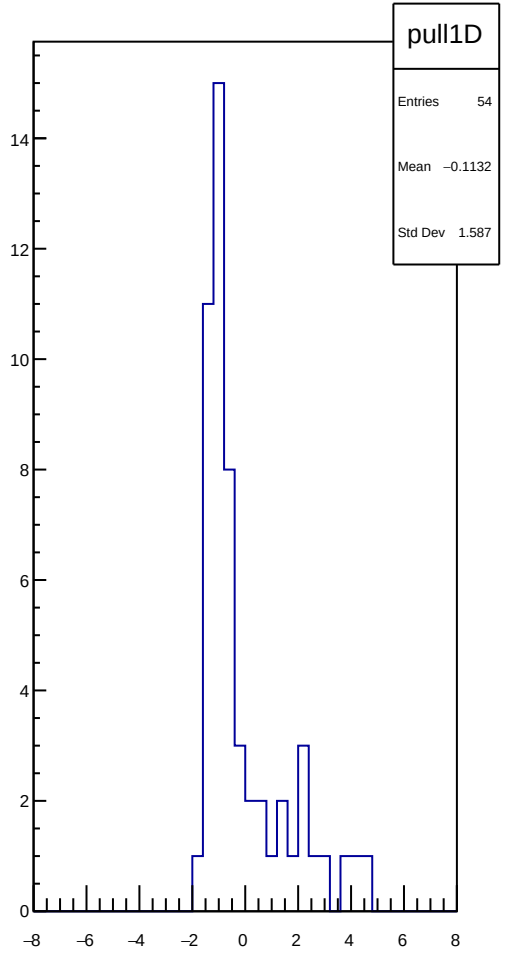

pull1D
Entries 54
Mean −0.2067
Std Dev 1.969

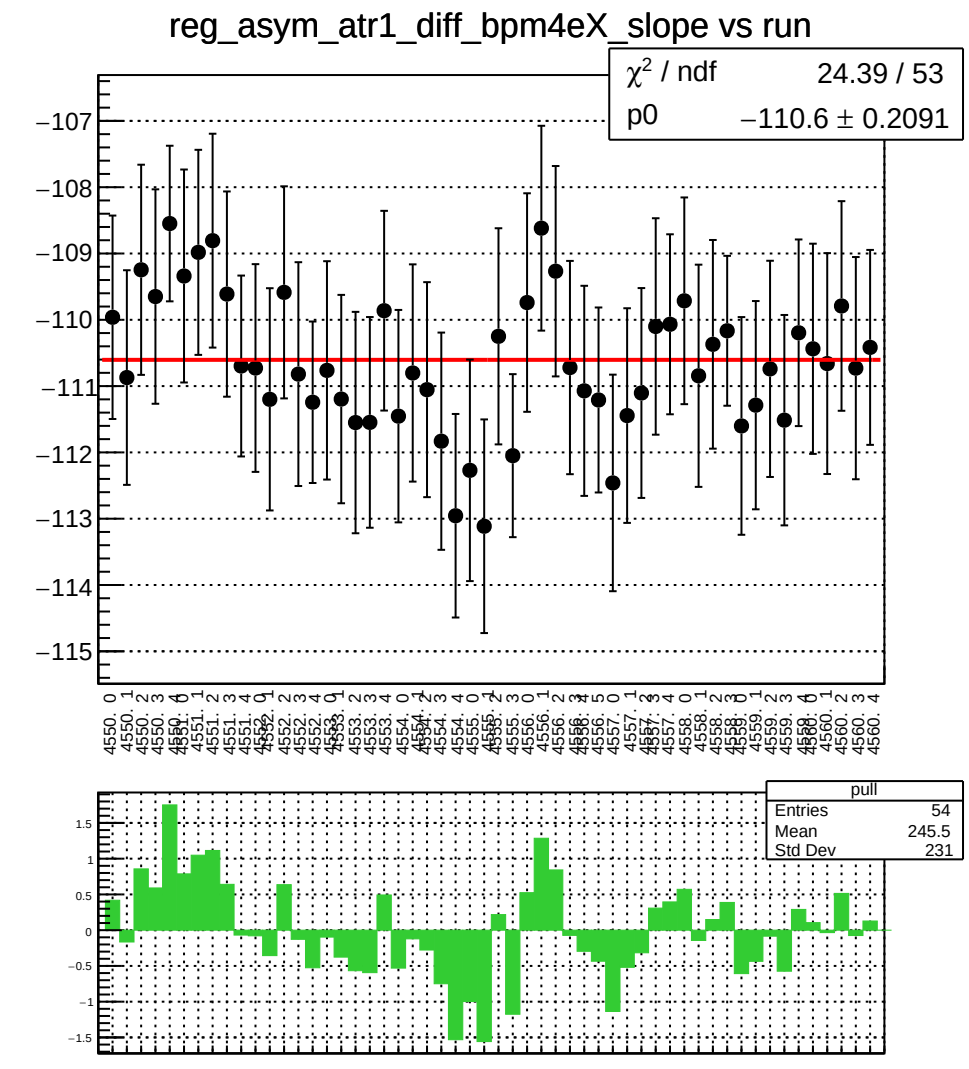

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 4.868 / 53
p0 −2.545 ± 0.6395
pull
Entries 54
Mean 10.49
Std Dev 47.44
pull1D
Entries 54
Mean −0.01146
Std Dev 0.3

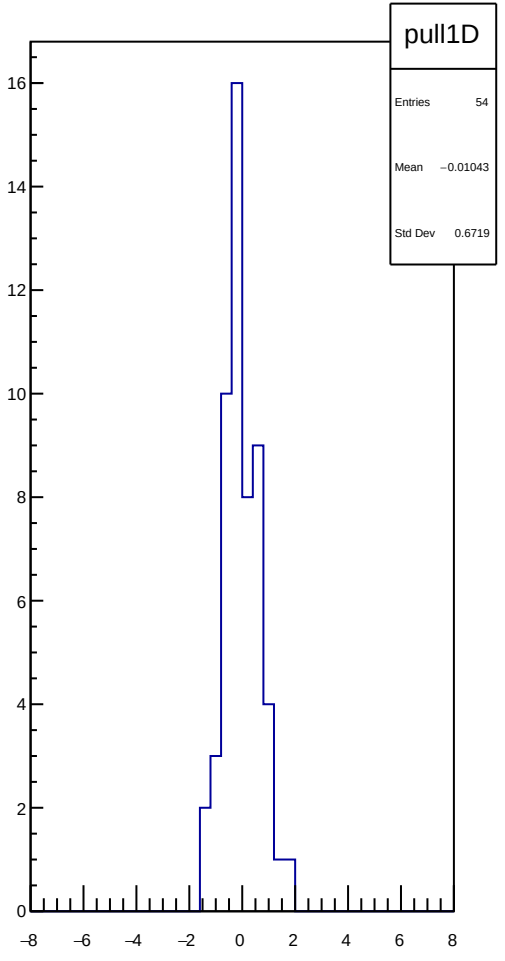

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 8.448 / 53
p0 16.13 ± 1.264
pull
Entries 54
Mean −61.98
Std Dev 71.74

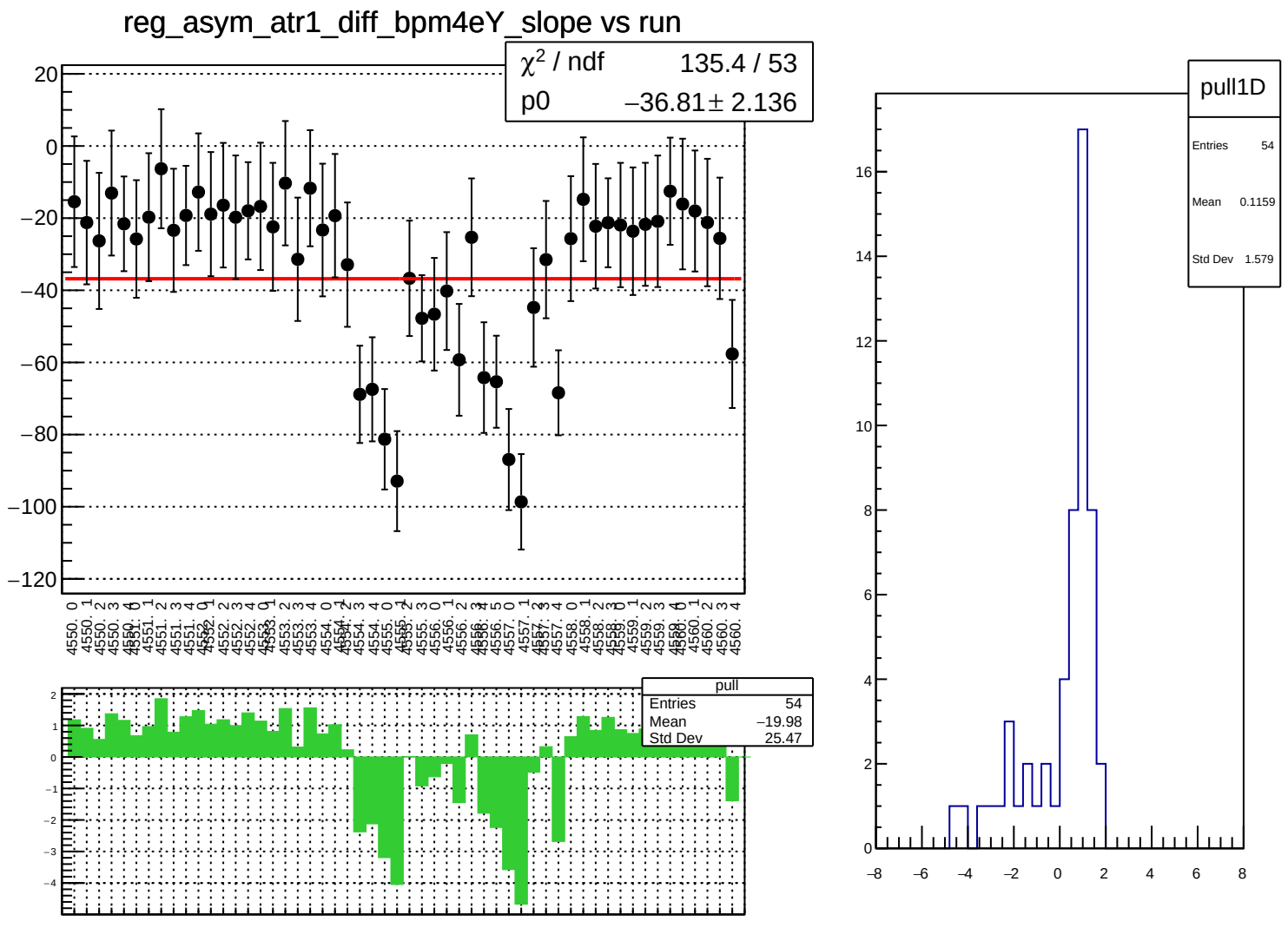

pull1D
Entries 54
Mean 0.008934
Std Dev 0.3954

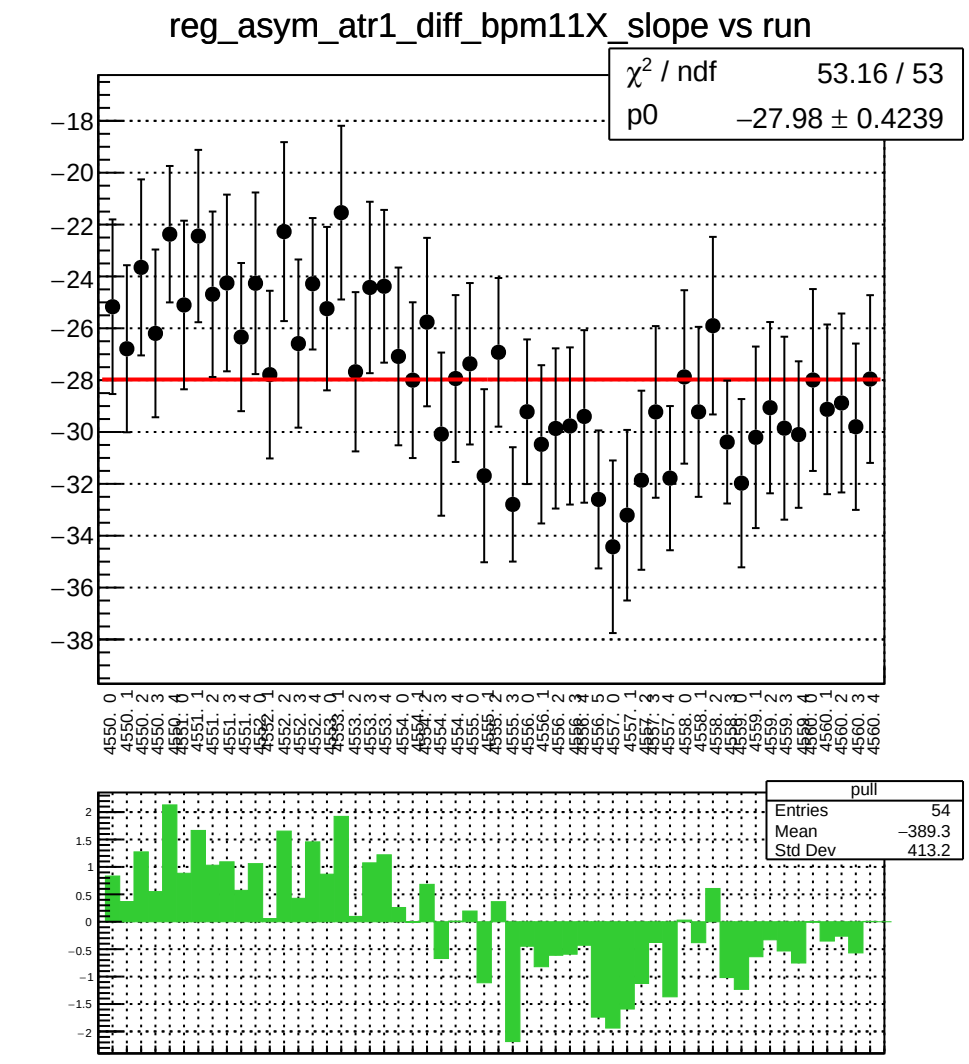

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 136.8 / 53
p0 26.16 ± 1.589
pull
Entries 54
Mean −24.44
Std Dev 32.51

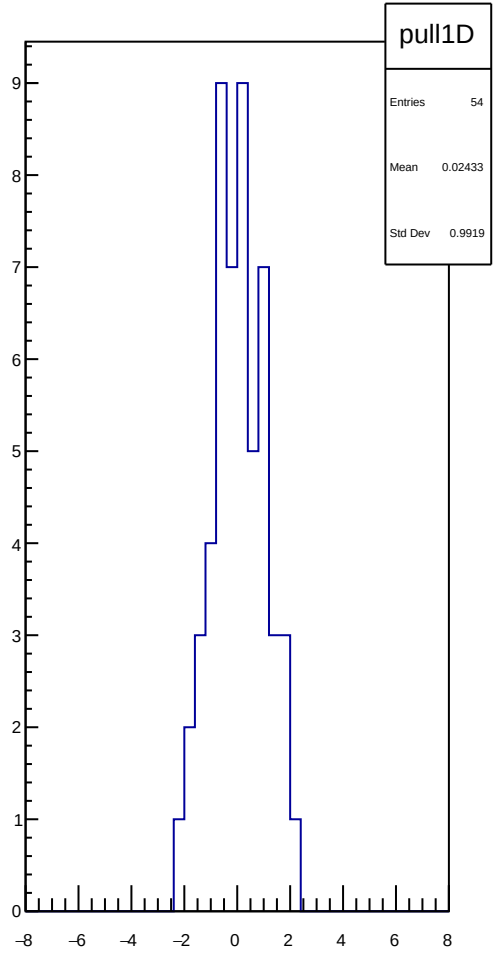

pull1D
Entries 54
Mean −0.1132
Std Dev 1.587

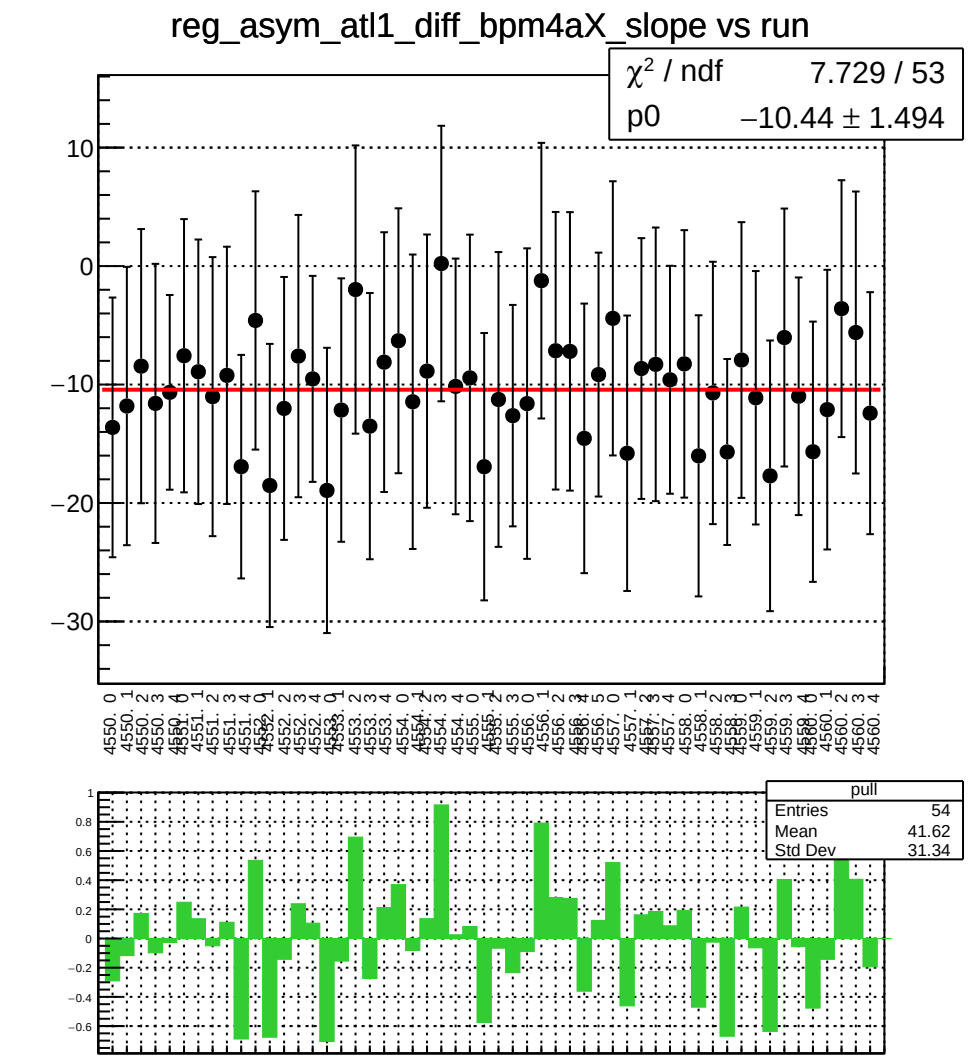

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 24.39 / 53
p0 −110.6 ± 0.2091
pull
Entries 54
Mean 245.5
Std Dev 231

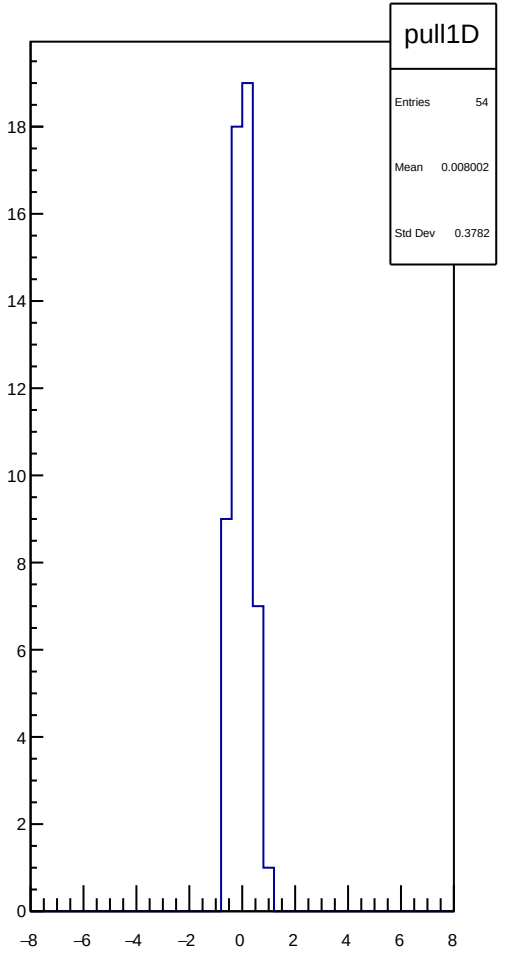

pull1D
Entries 54
Mean −0.01043
Std Dev 0.6719

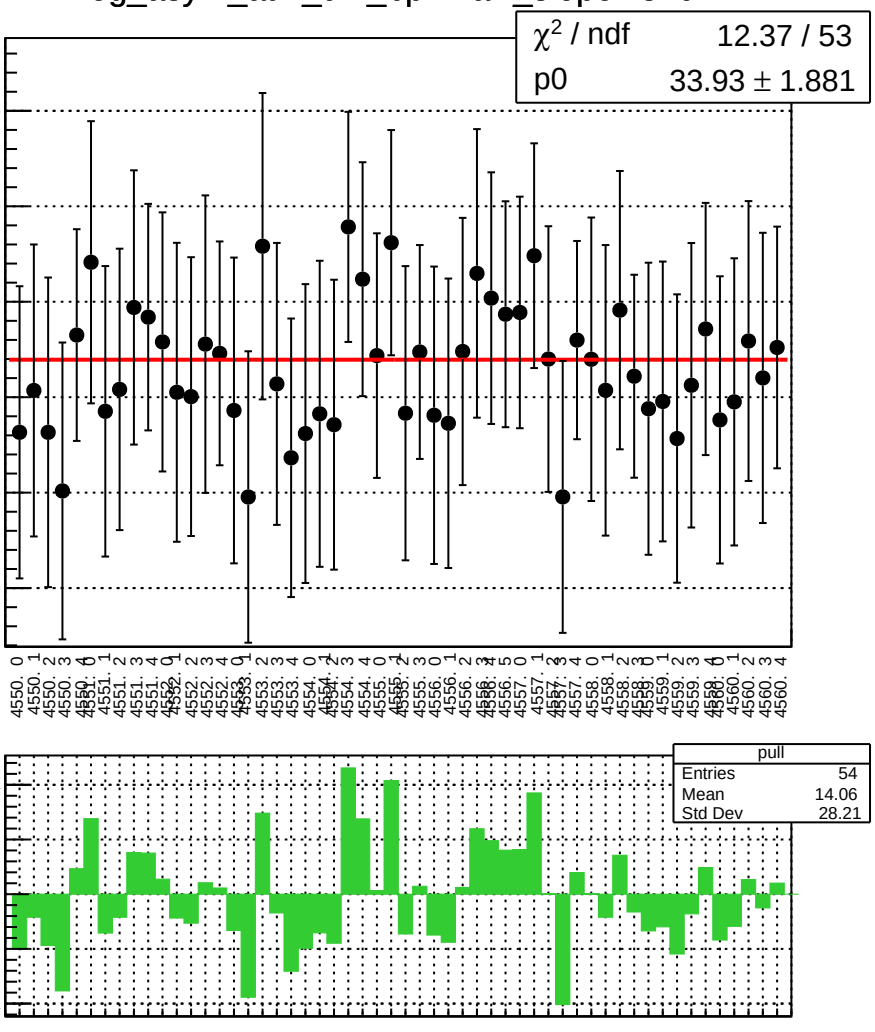

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 135.4 / 53
p0 −36.81 ± 2.136
pull
Entries 54
Mean −19.98
Std Dev 25.47
pull1D
Entries 54
Mean 0.1159
Std Dev 1.579

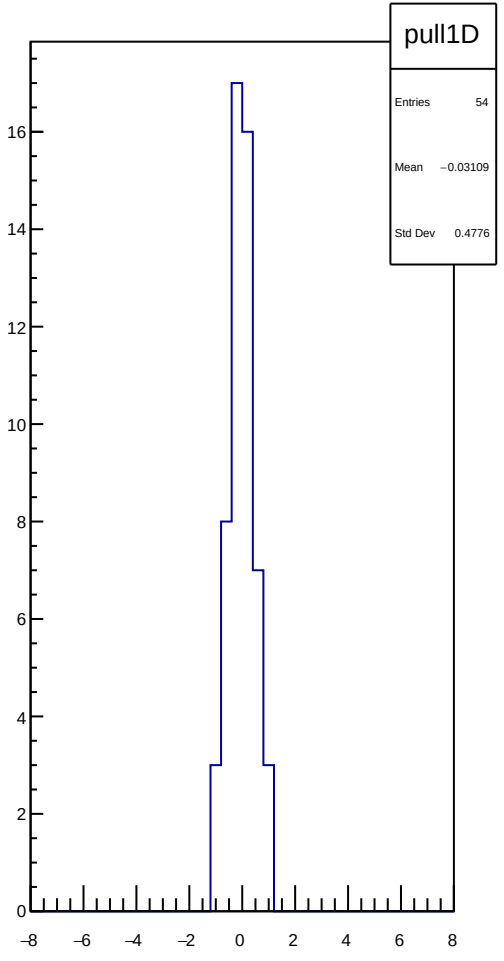

reg_asym_atr1_diff_bpm11X_slope vs run
χ² / ndf 53.16 / 53
p0 −27.98 ± 0.4239
pull
Entries 54
Mean −389.3
Std Dev 413.2

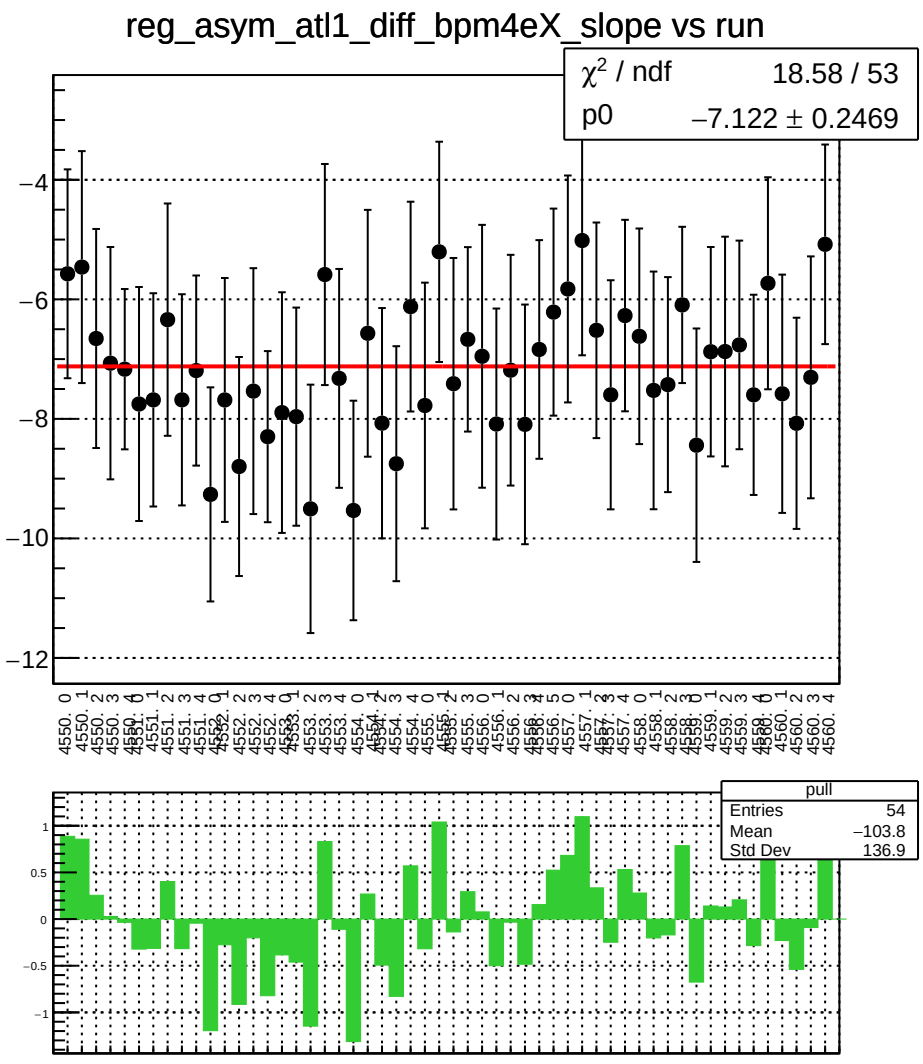

pull1D
Entries 54
Mean 0.02433
Std Dev 0.9919

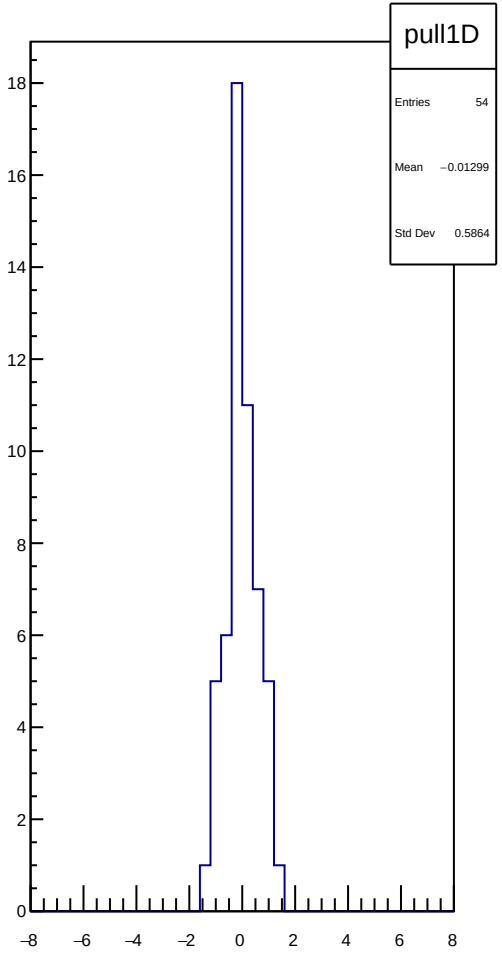

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 7.729 / 53
p0 −10.44 ± 1.494
pull
Entries 54
Mean 41.62
Std Dev 31.34

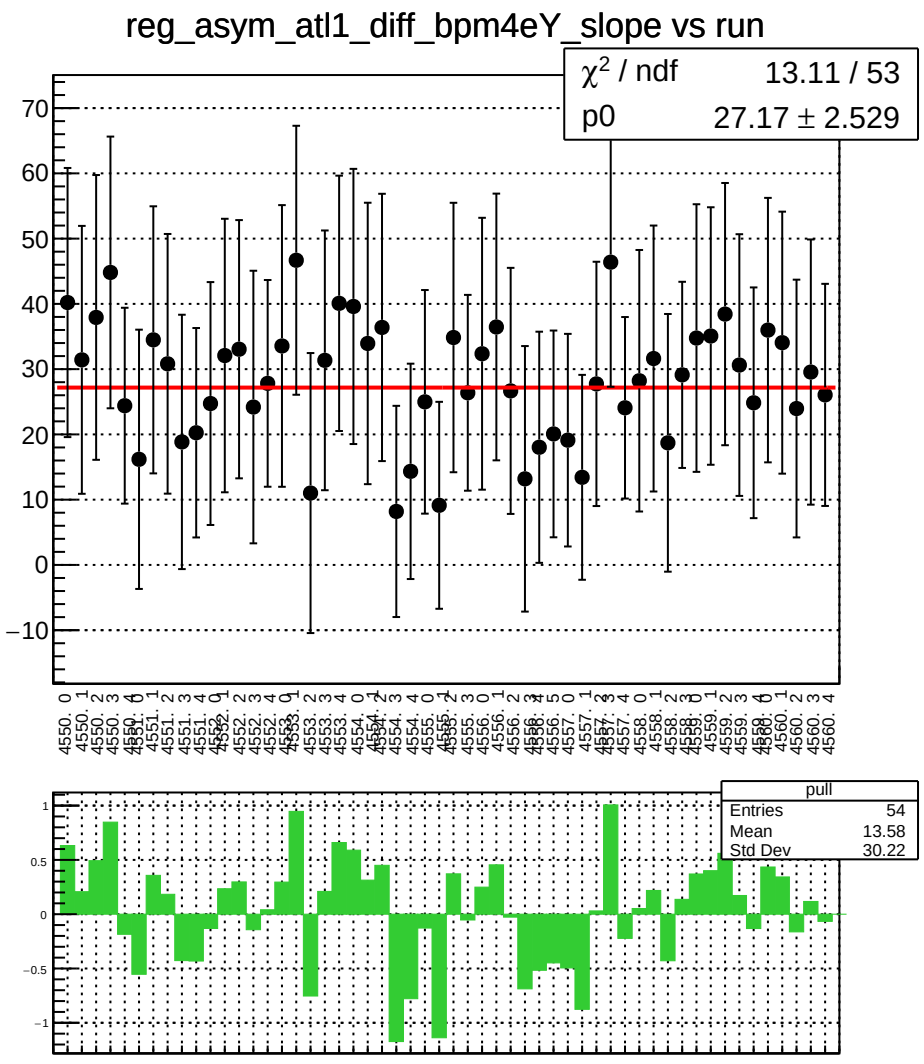

pull1D
Entries 54
Mean 0.008002
Std Dev 0.3782

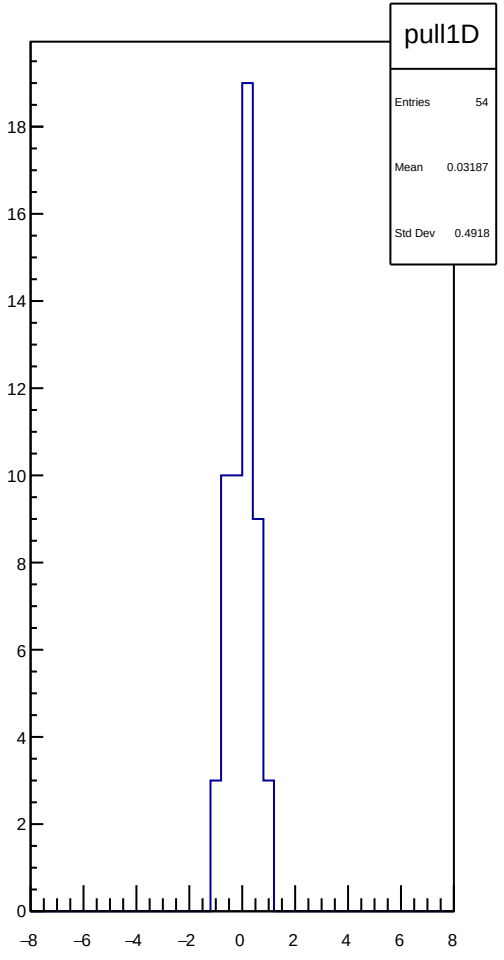

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 12.37 / 53
p0 33.93 ± 1.881
pull
Entries 54
Mean 14.06
Std Dev 28.21

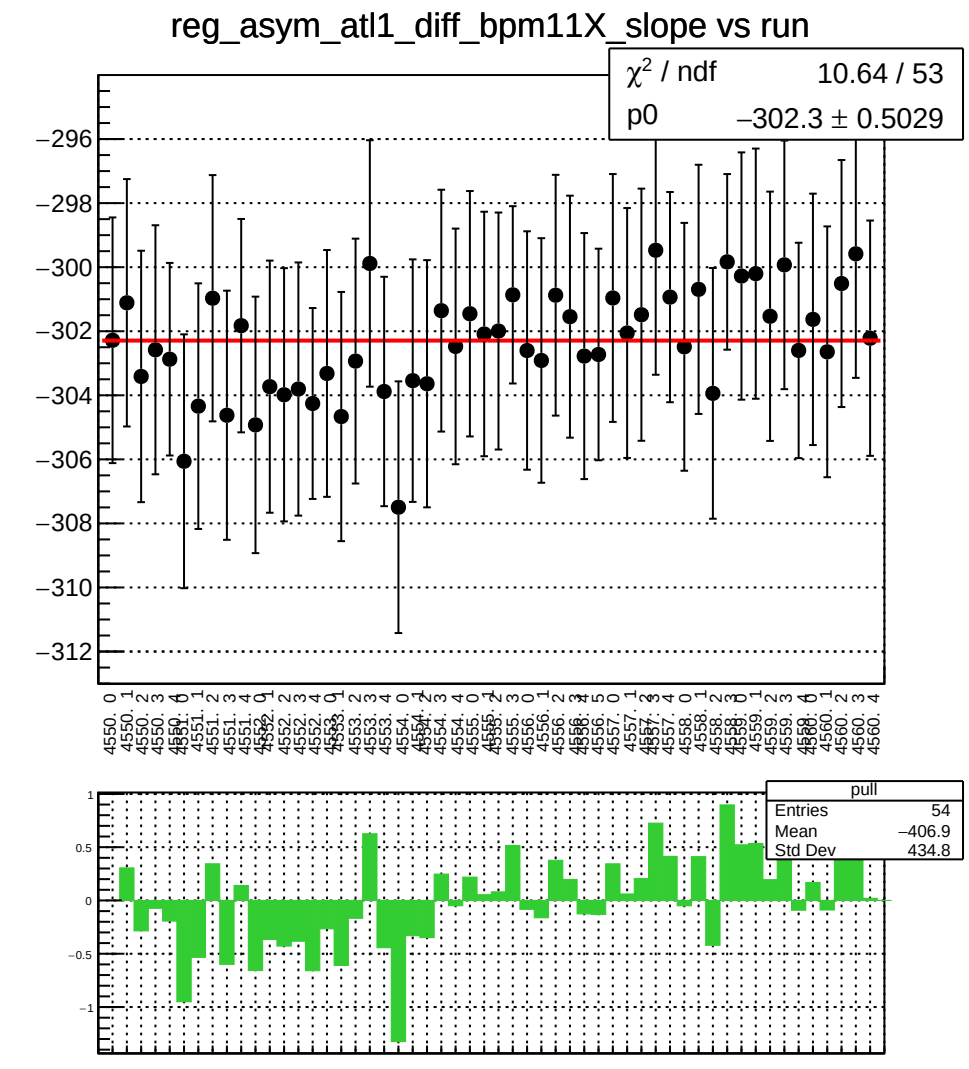

pull1D
Entries 54
Mean −0.03109
Std Dev 0.4776

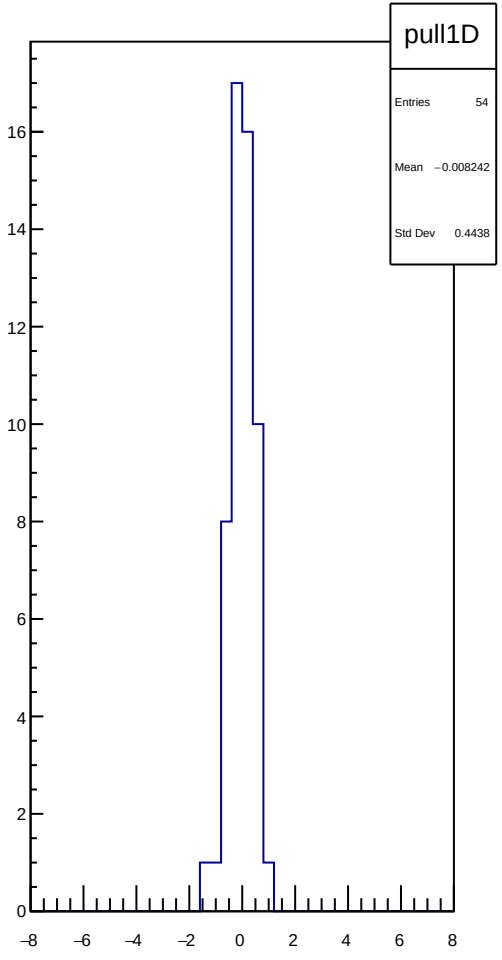

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 18.58 / 53
p0 −7.122 ± 0.2469
pull
Entries 54
Mean −103.8
Std Dev 136.9

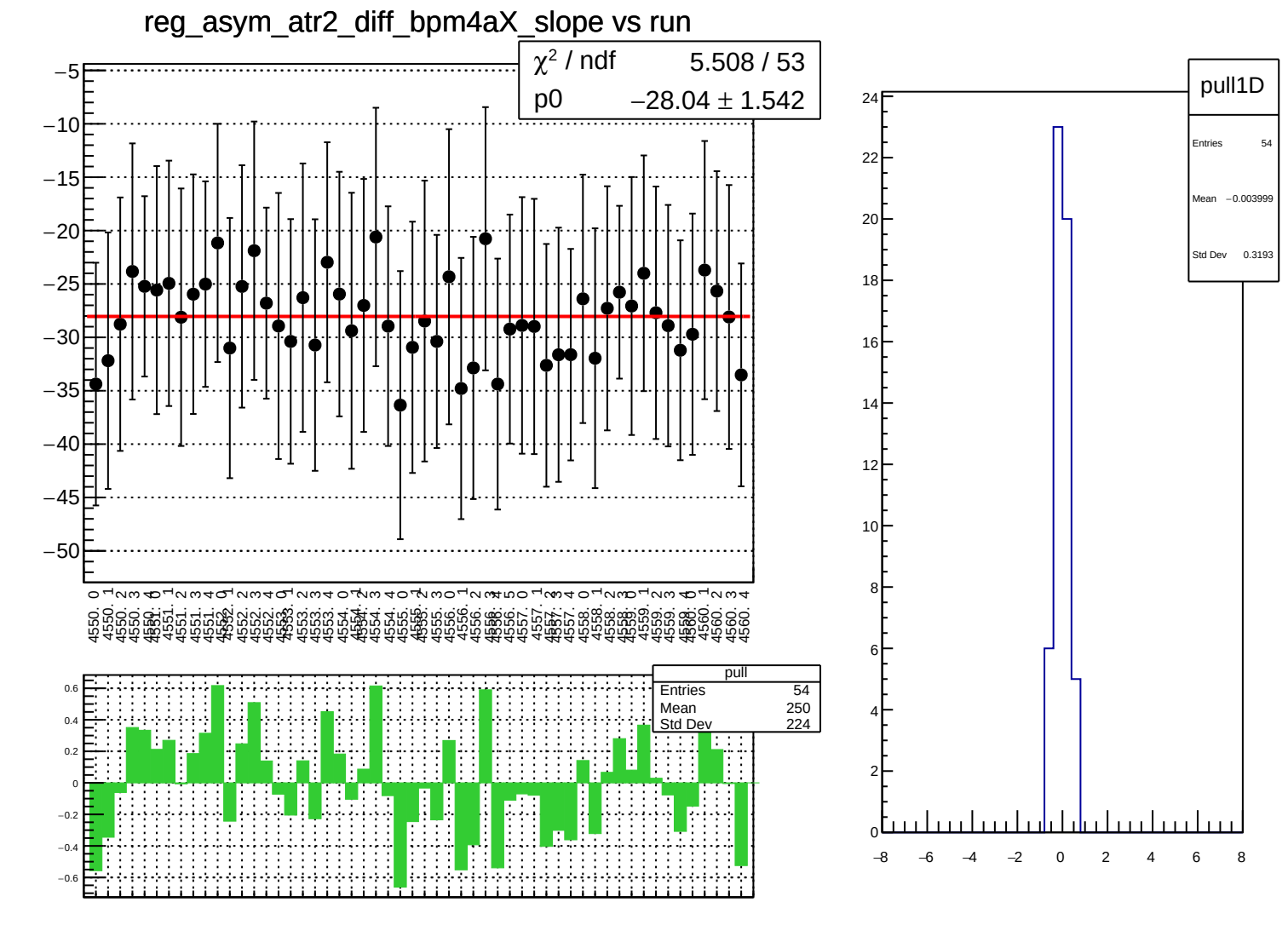

pull1D
Entries 54
Mean −0.01299
Std Dev 0.5864

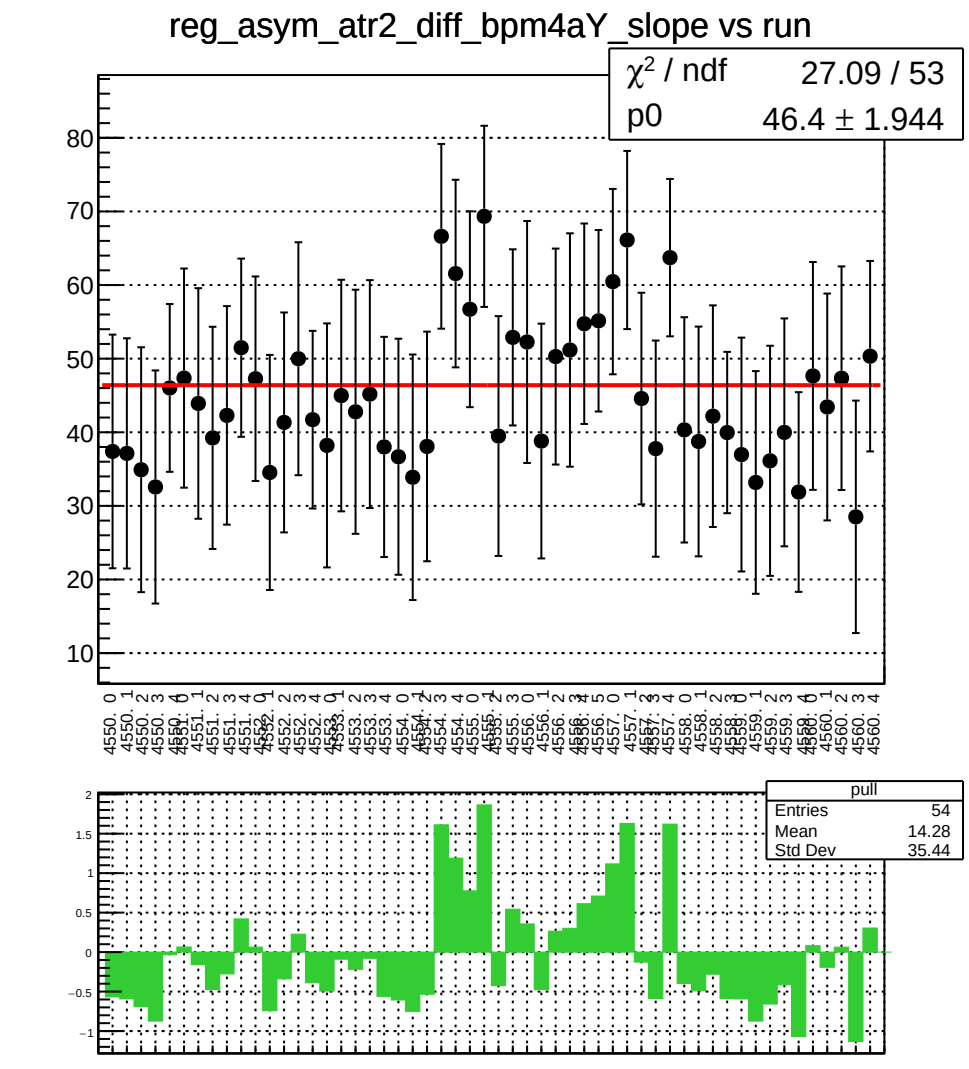

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 13.11 / 53
p0 27.17 ± 2.529
pull
Entries 54
Mean 13.58
Std Dev 30.22

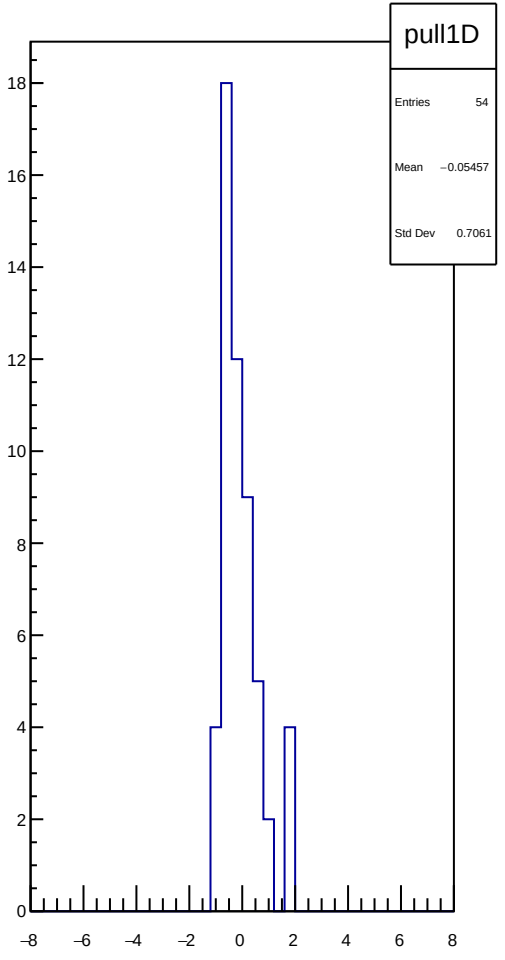

pull1D
Entries 54
Mean 0.03187
Std Dev 0.4918

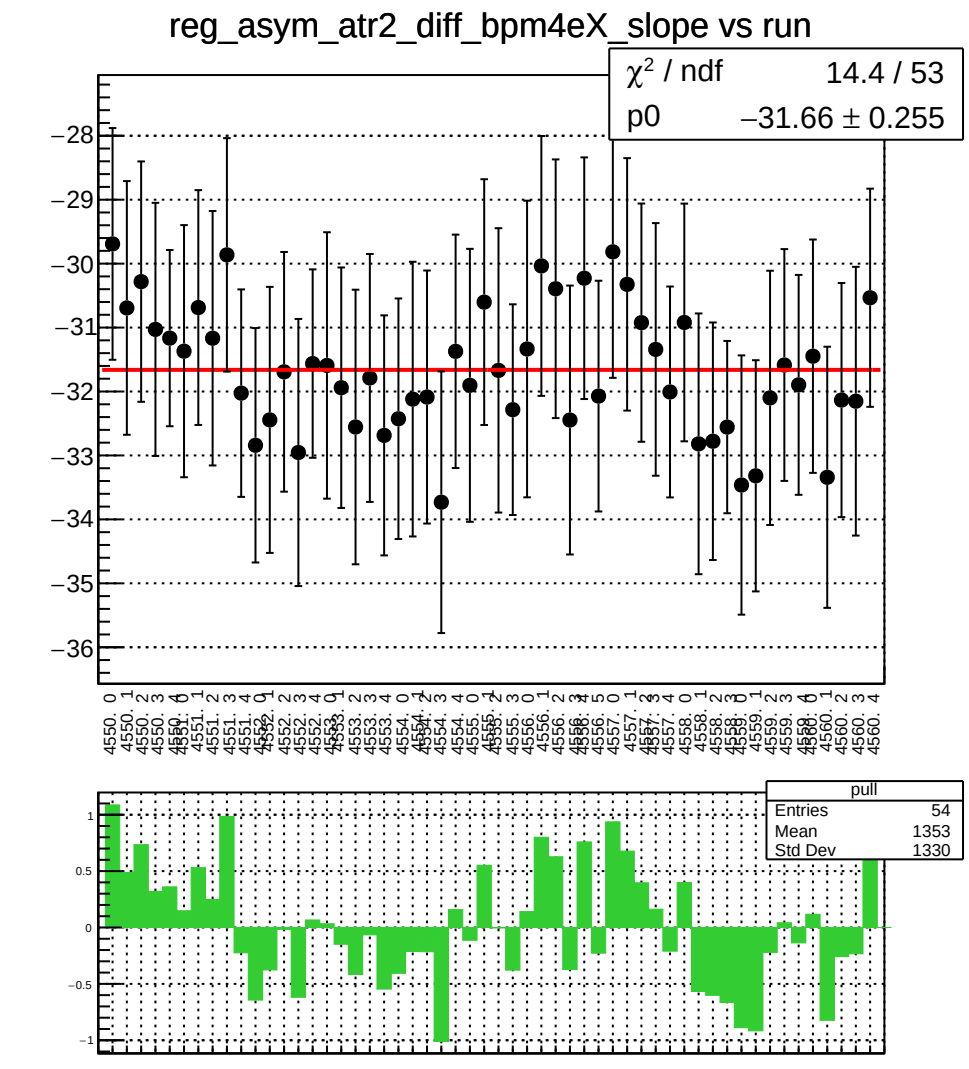

reg_asym_atl1_diff_bpm11X_slope vs run
χ² / ndf 10.64 / 53
p0 −302.3 ± 0.5029
pull
Entries 54
Mean −406.9
Std Dev 434.8

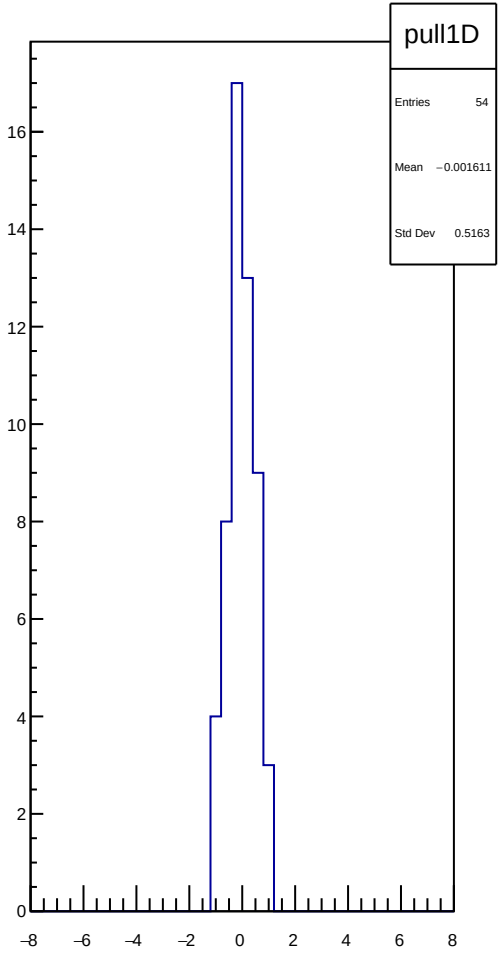

pull1D
Entries 54
Mean −0.008242
Std Dev 0.4438

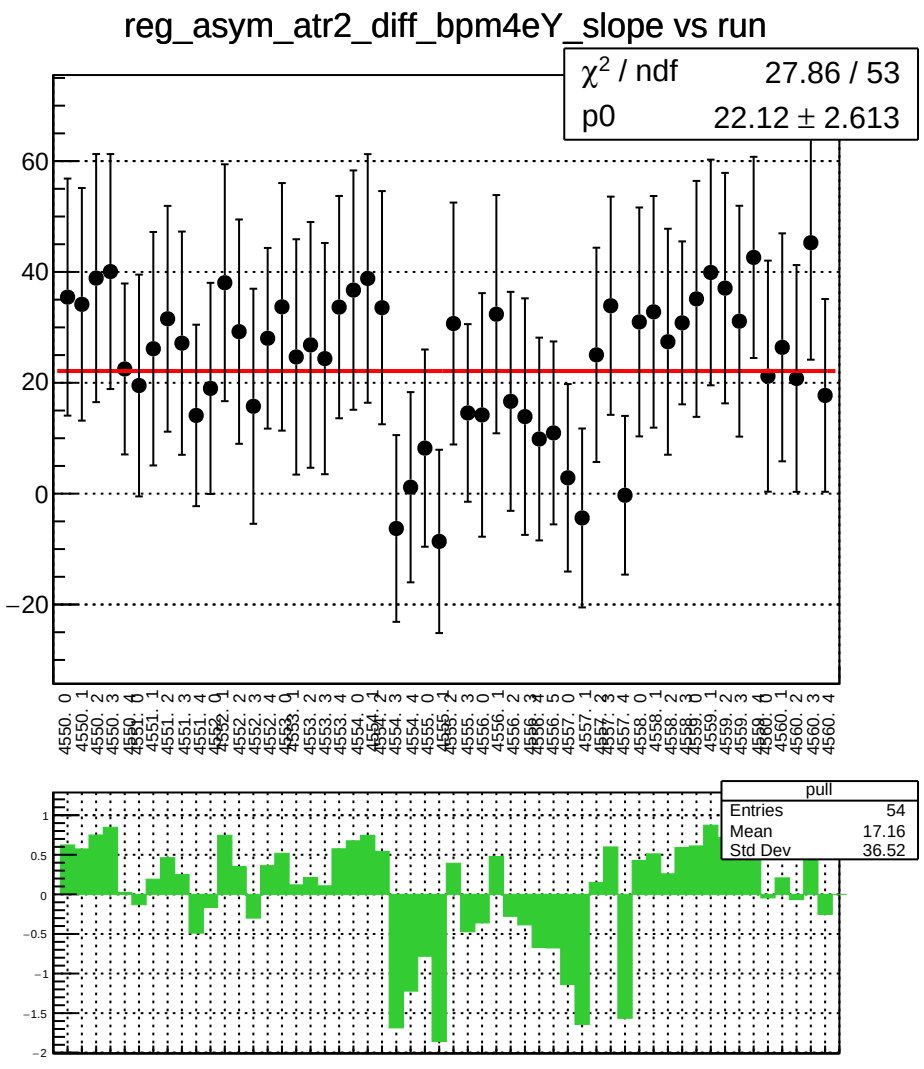

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 5.508 / 53
p0 −28.04 ± 1.542
pull
Entries 54
Mean 250
Std Dev 224
pull1D
Entries 54
Mean −0.003999
Std Dev 0.3193

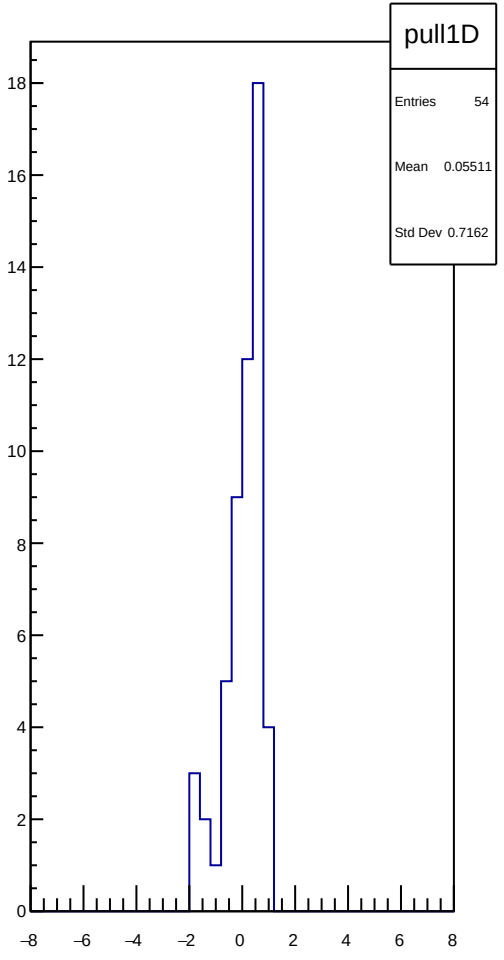

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 27.09 / 53
p0 46.4 ± 1.944
pull
Entries 54
Mean 14.28
Std Dev 35.44

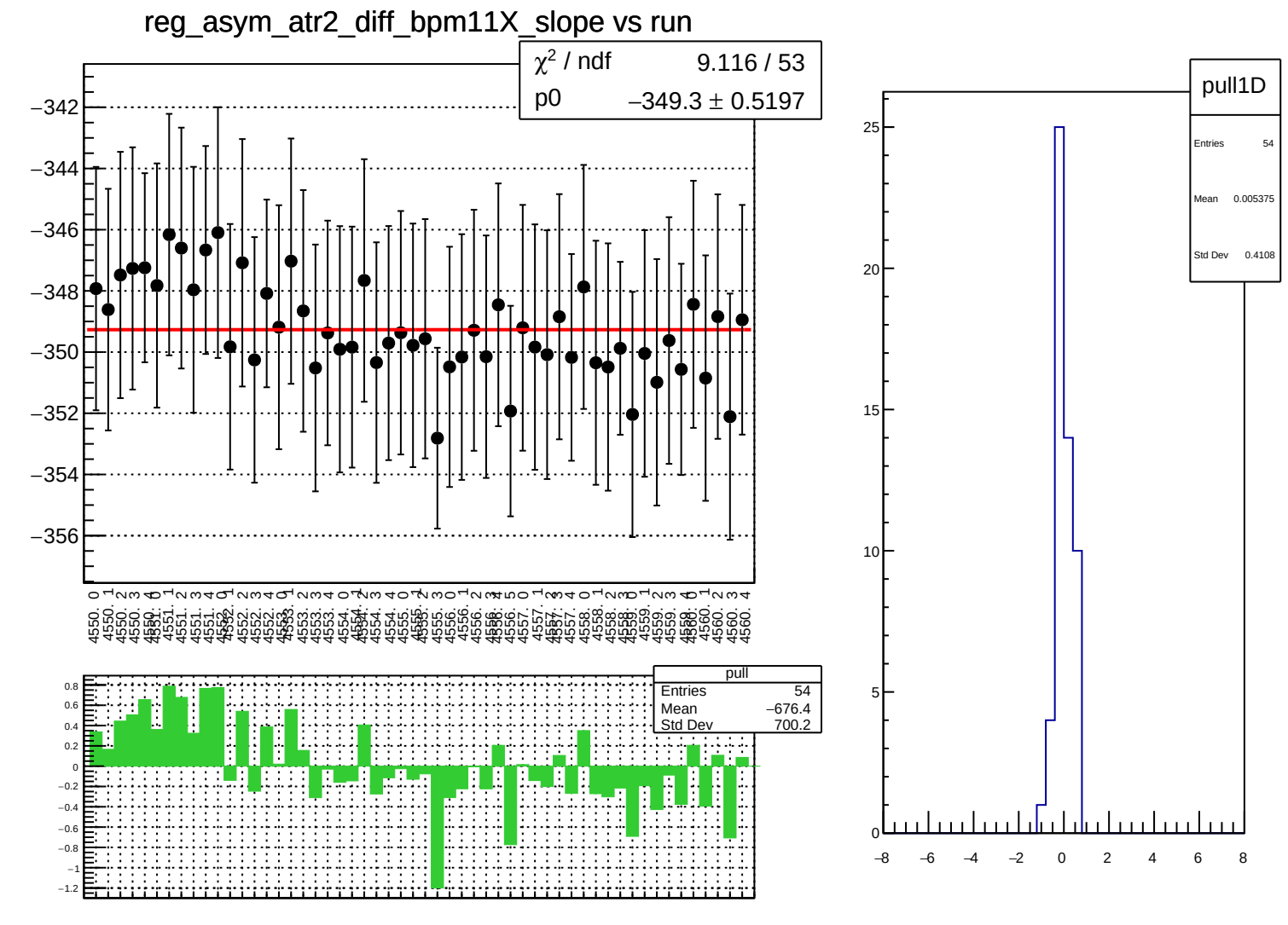

pull1D
Entries 54
Mean −0.05457
Std Dev 0.7061

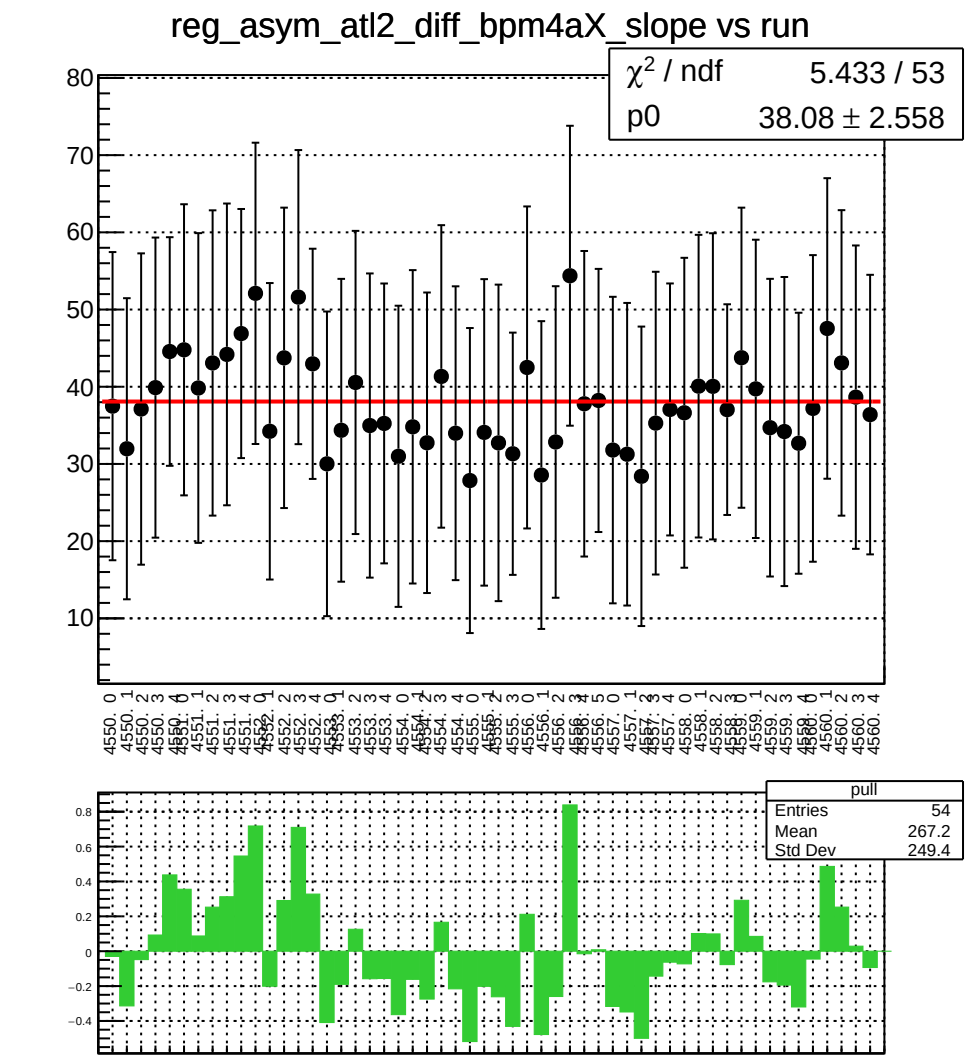

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 14.4 / 53
p0 −31.66 ± 0.255
pull
Entries 54
Mean 1353
Std Dev 1330

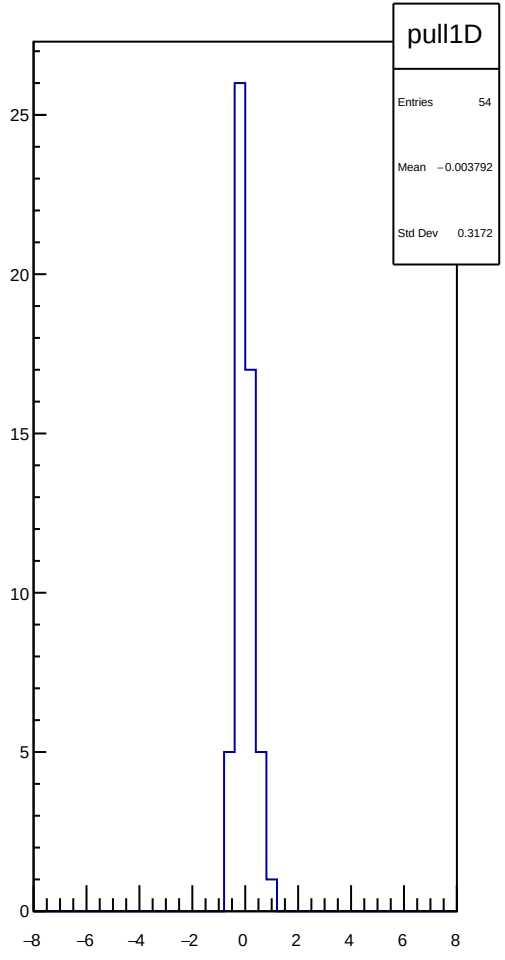

pull1D
Entries 54
Mean −0.001611
Std Dev 0.5163

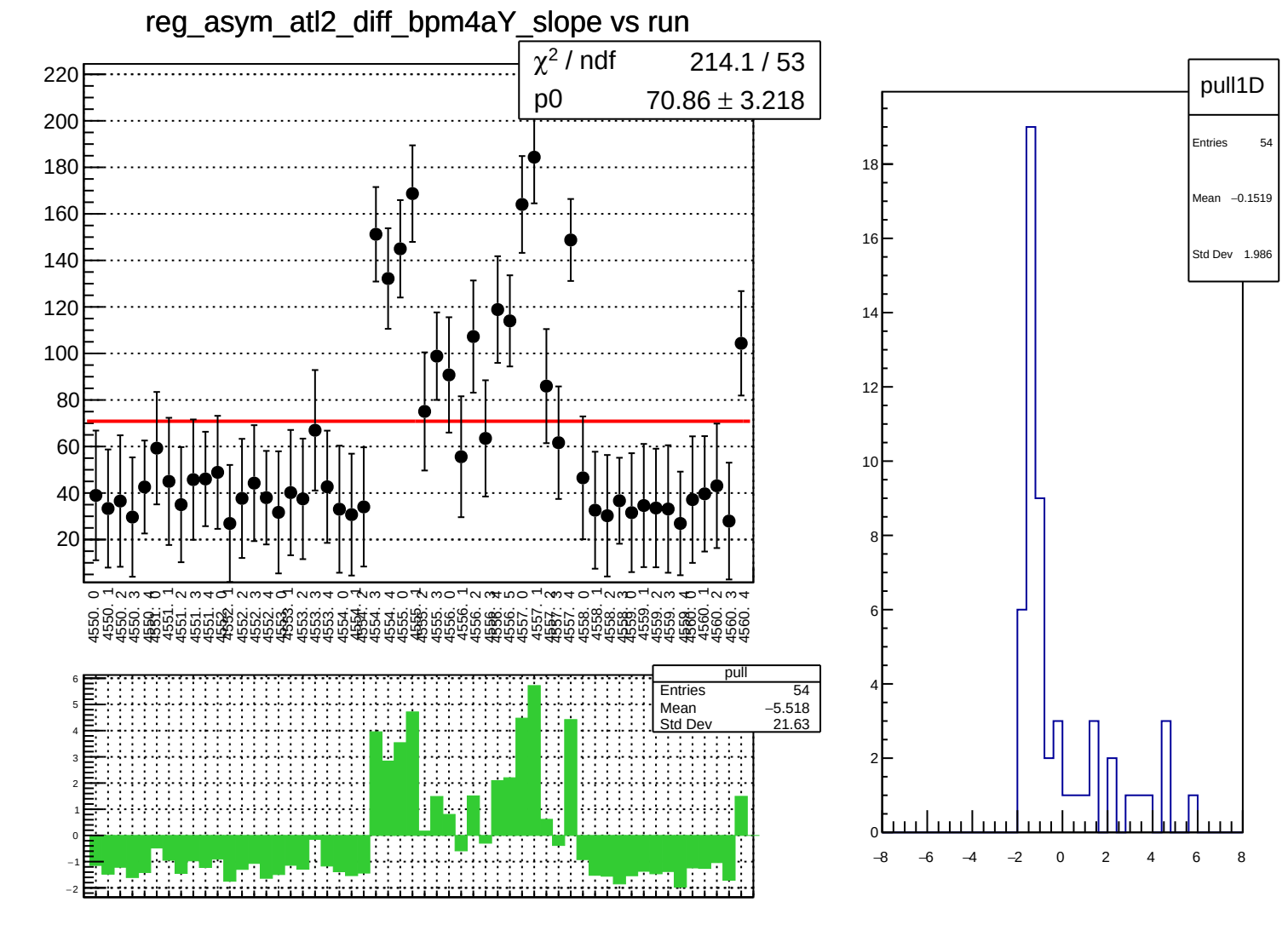

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 27.86 / 53
p0 22.12 ± 2.613
pull
Entries 54
Mean 17.16
Std Dev 36.52

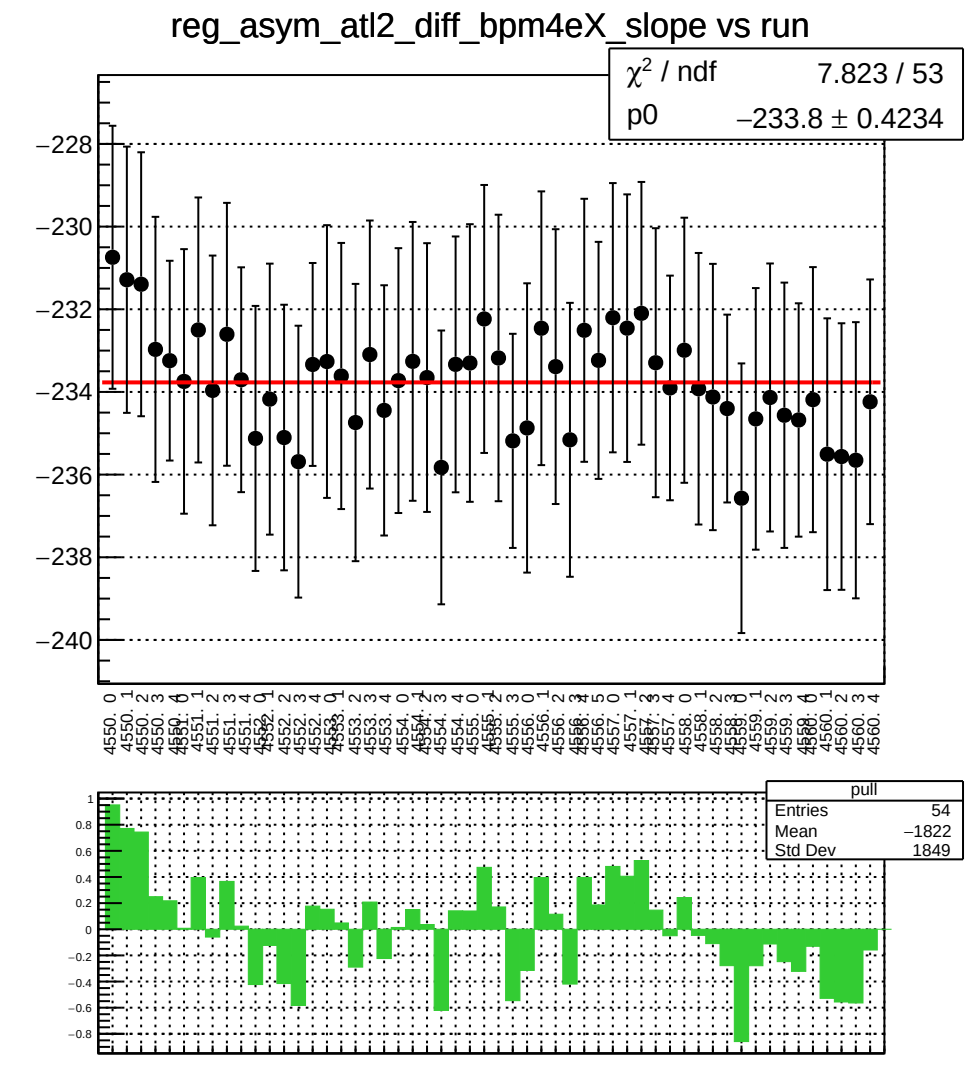

pull1D
Entries 54
Mean 0.05511
Std Dev 0.7162

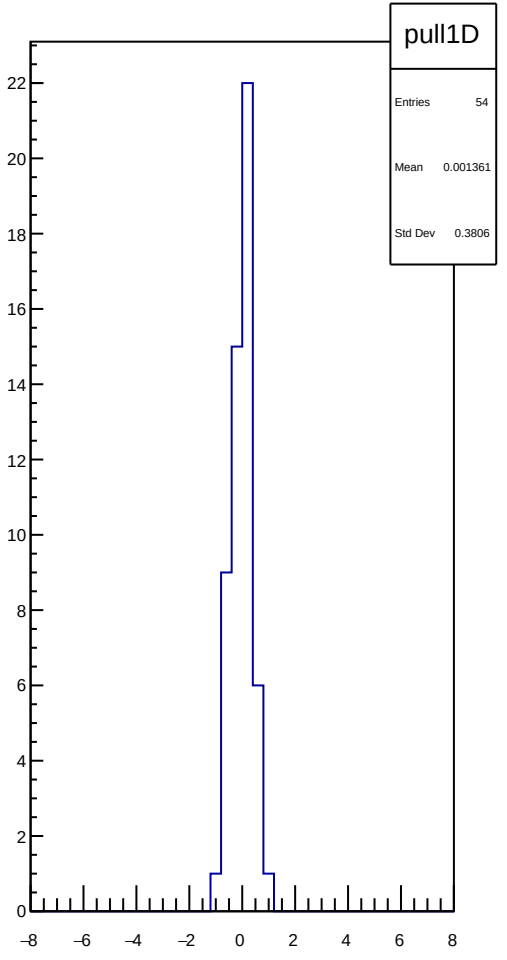

reg_asym_atr2_diff_bpm11X_slope vs run
χ² / ndf 9.116 / 53
p0 −349.3 ± 0.5197
pull
Entries 54
Mean −676.4
Std Dev 700.2
pull1D
Entries 54
Mean 0.005375
Std Dev 0.4108

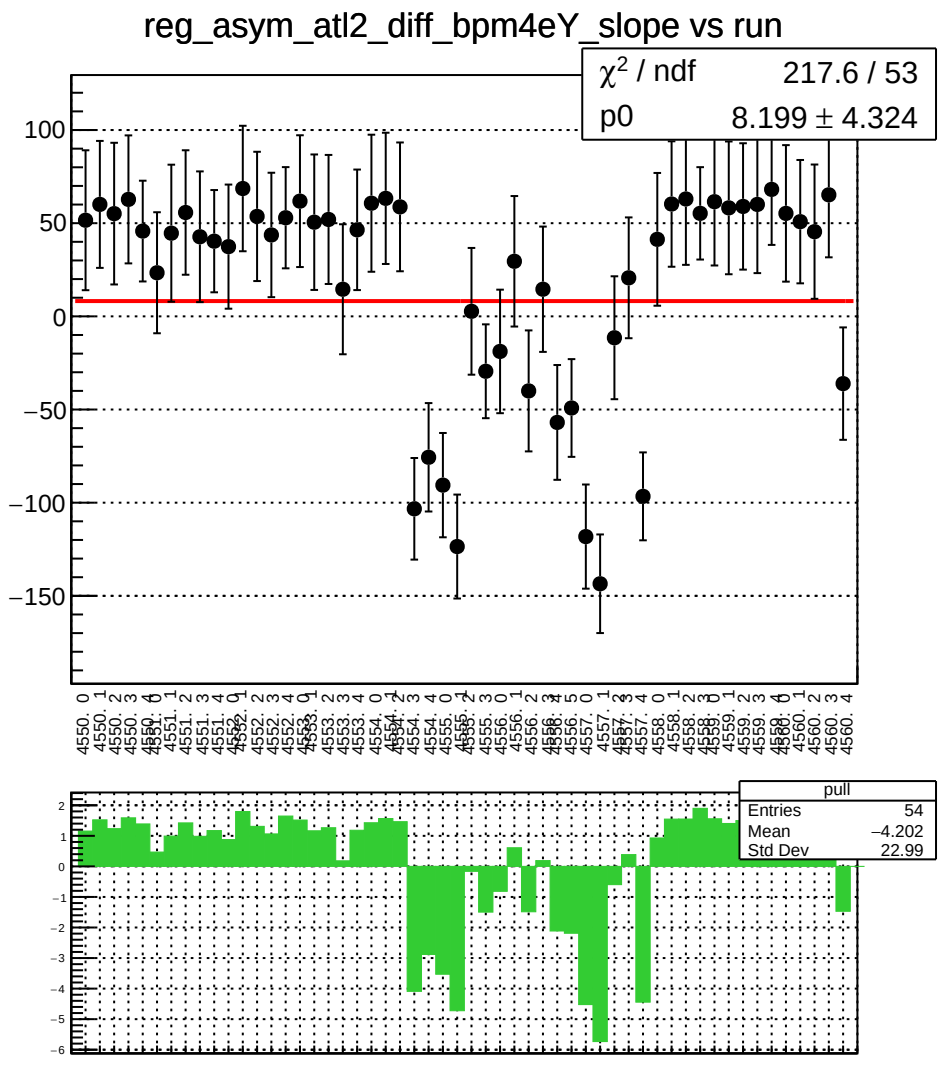

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 5.433 / 53
p0 38.08 ± 2.558
pull
Entries 54
Mean 267.2
Std Dev 249.4

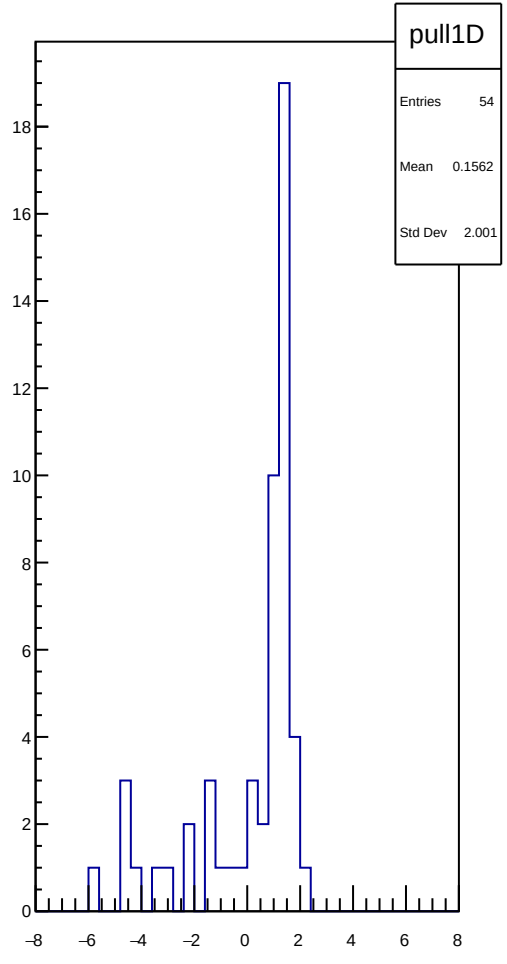

pull1D
Entries 54
Mean −0.003792
Std Dev 0.3172

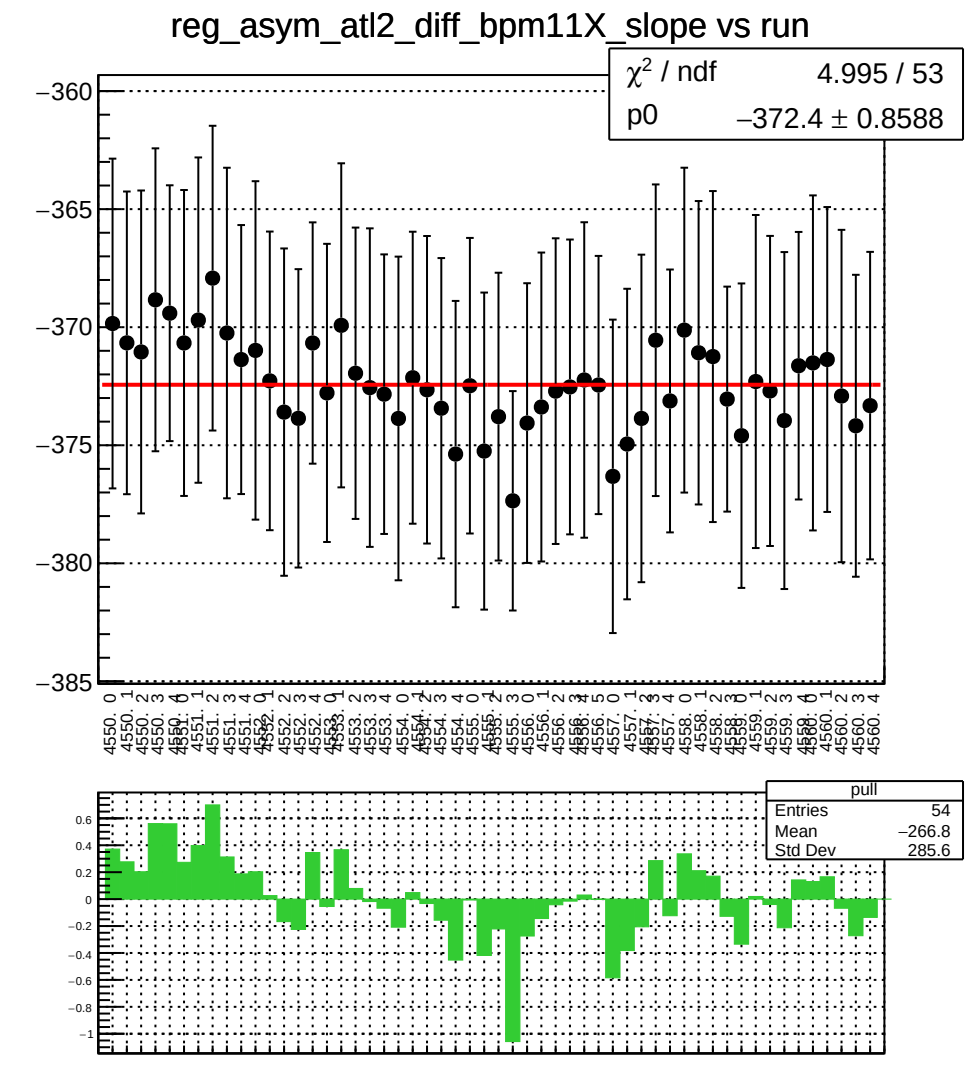

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 214.1 / 53
p0 70.86 ± 3.218
pull
Entries 54
Mean −5.518
Std Dev 21.63
pull1D
Entries 54
Mean −0.1519
Std Dev 1.986

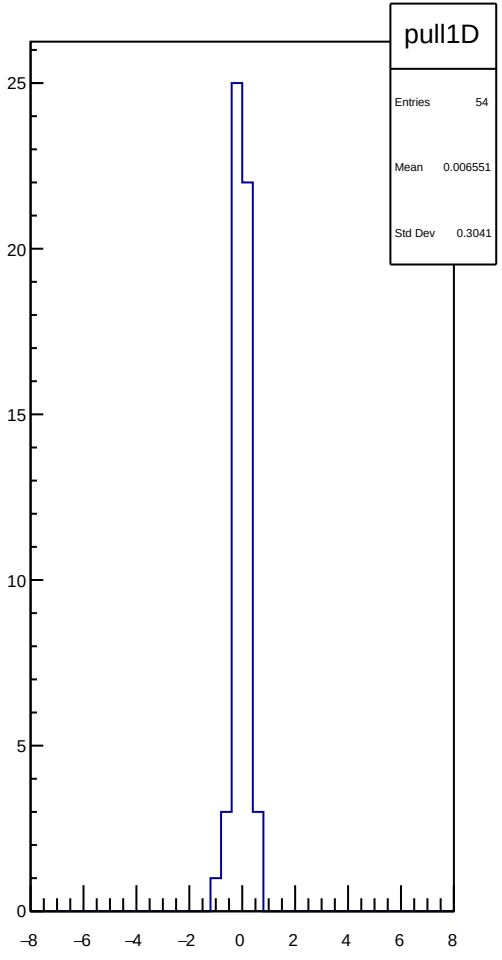

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 7.823 / 53
p0 −233.8 ± 0.4234
pull
Entries 54
Mean −1822
Std Dev 1849

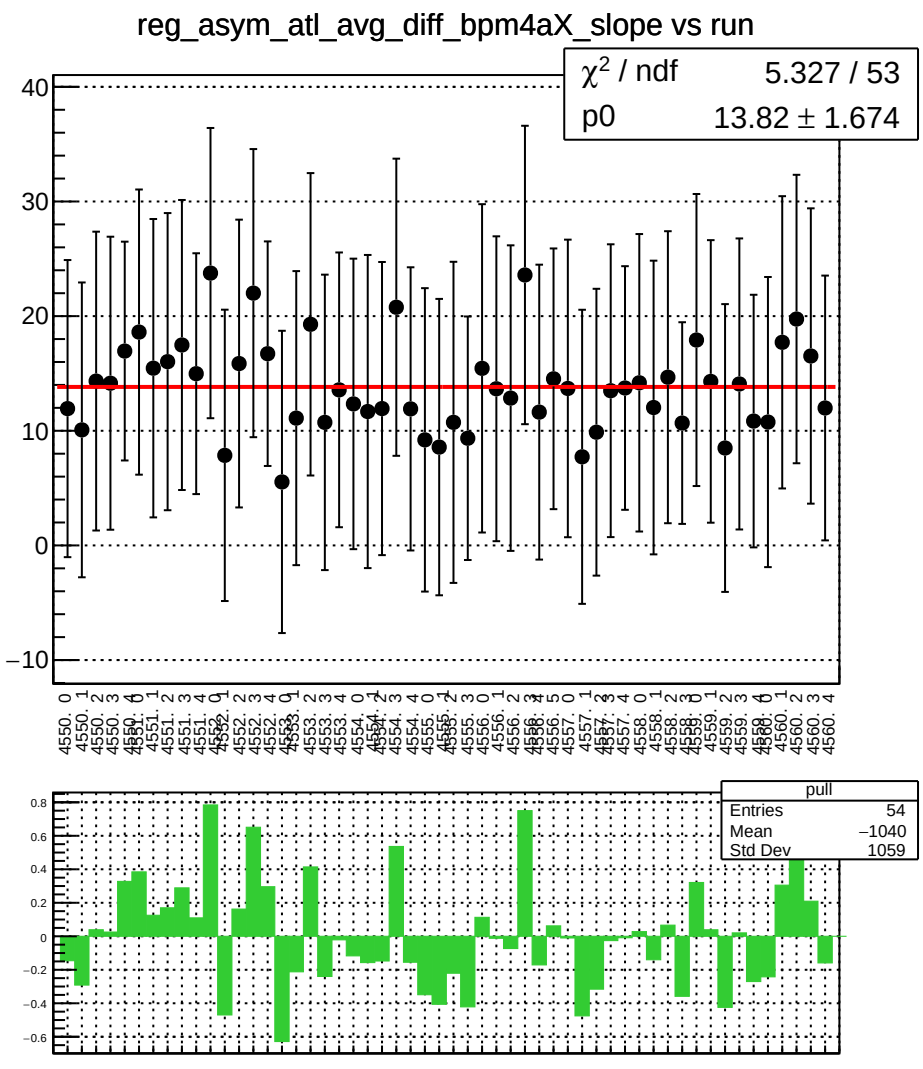

pull1D
Entries 54
Mean 0.001361
Std Dev 0.3806

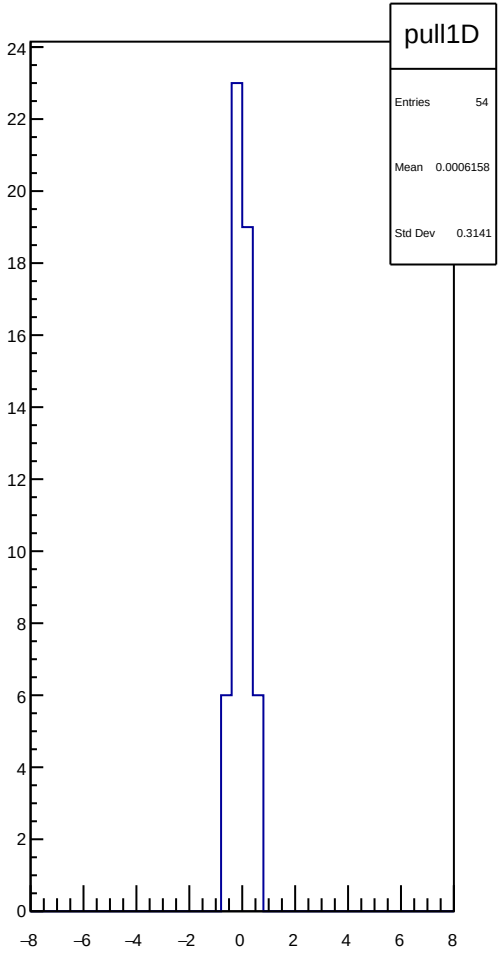

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 217.6 / 53
p0 8.199 ± 4.324
pull
Entries 54
Mean −4.202
Std Dev 22.99

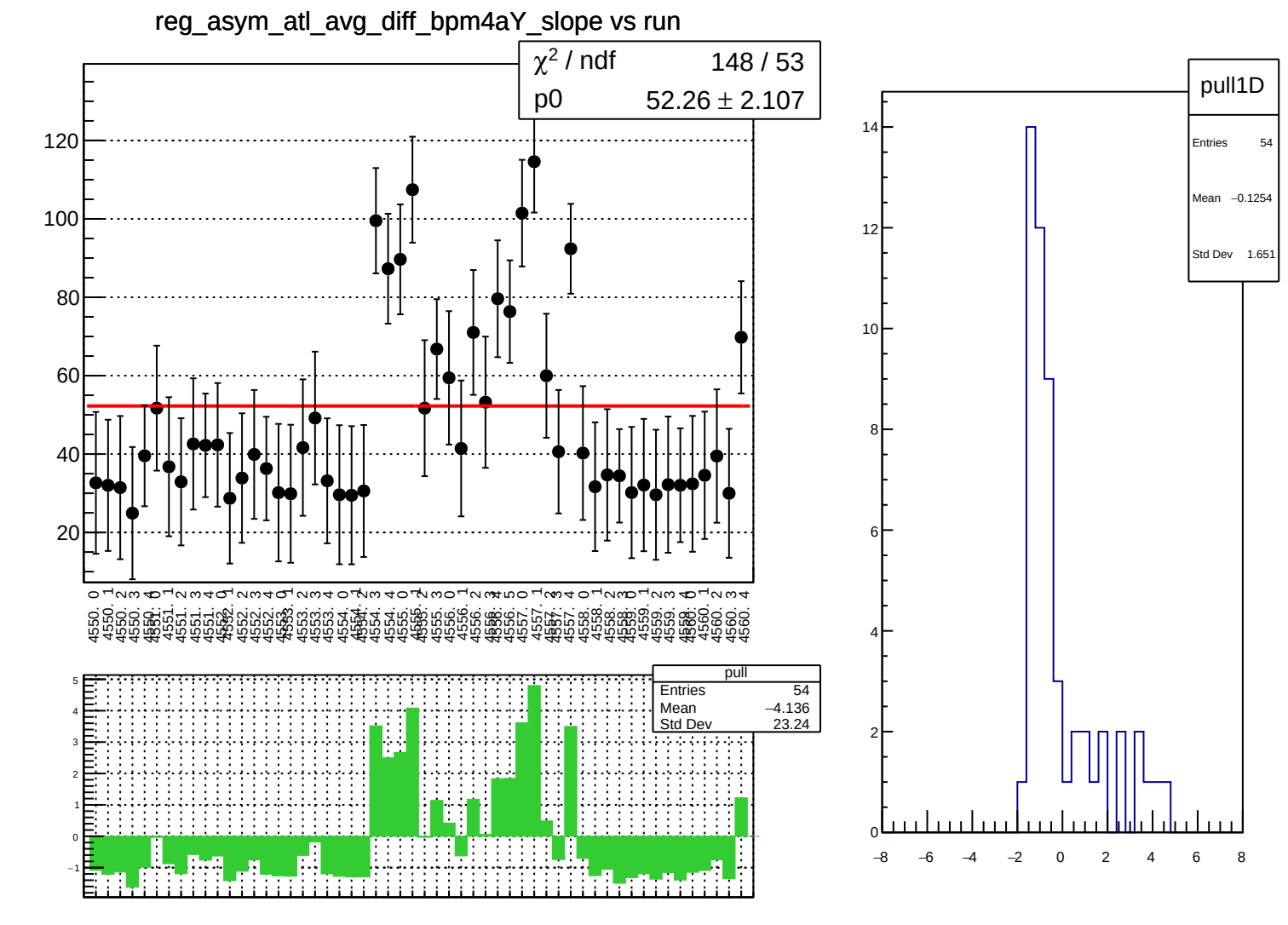

pull1D
Entries 54
Mean 0.1562
Std Dev 2.001

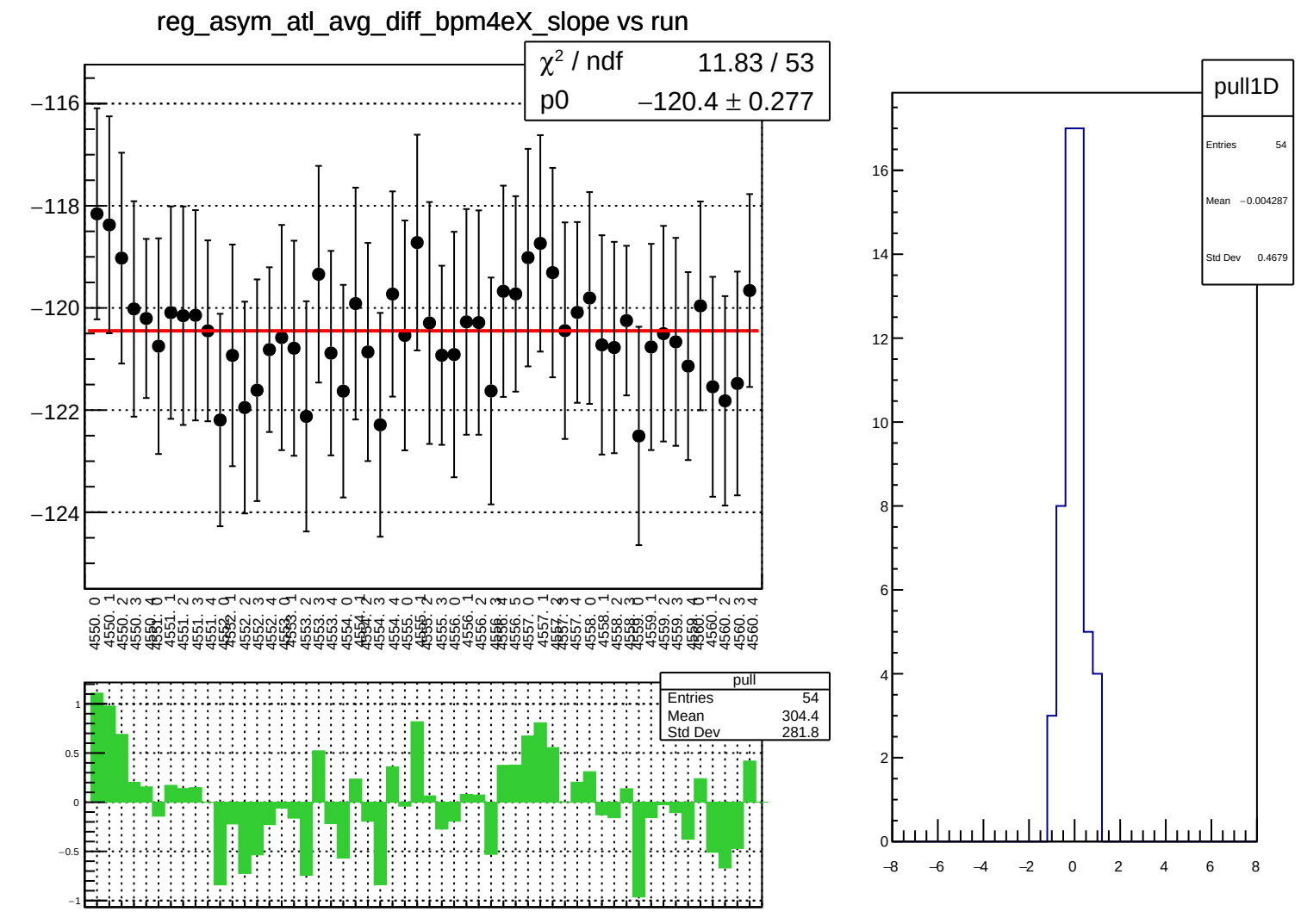

reg_asym_atl2_diff_bpm11X_slope vs run
χ² / ndf 4.995 / 53
p0 −372.4 ± 0.8588
pull
Entries 54
Mean −266.8
Std Dev 285.6

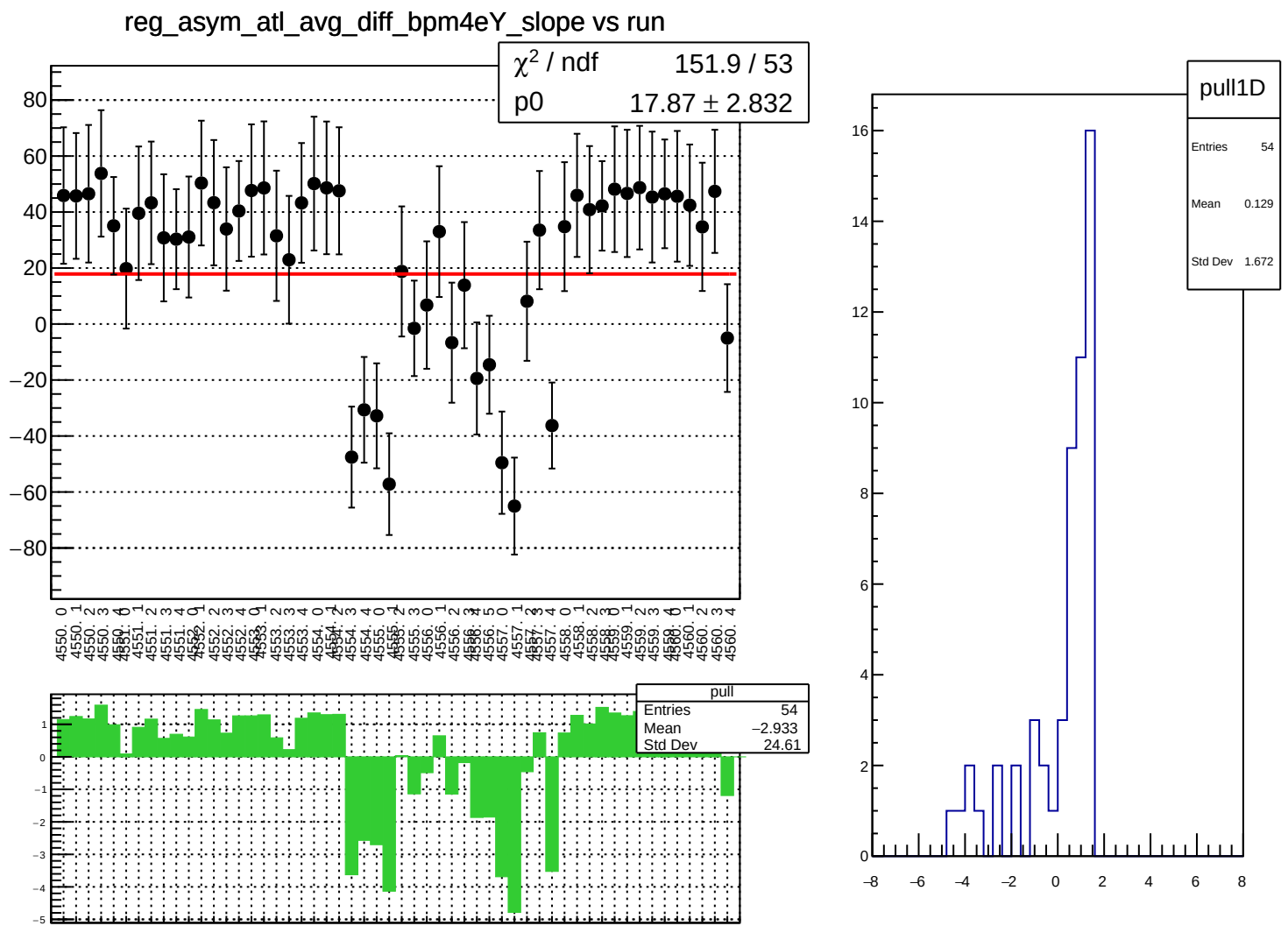

pull1D
Entries 54
Mean 0.006551
Std Dev 0.3041

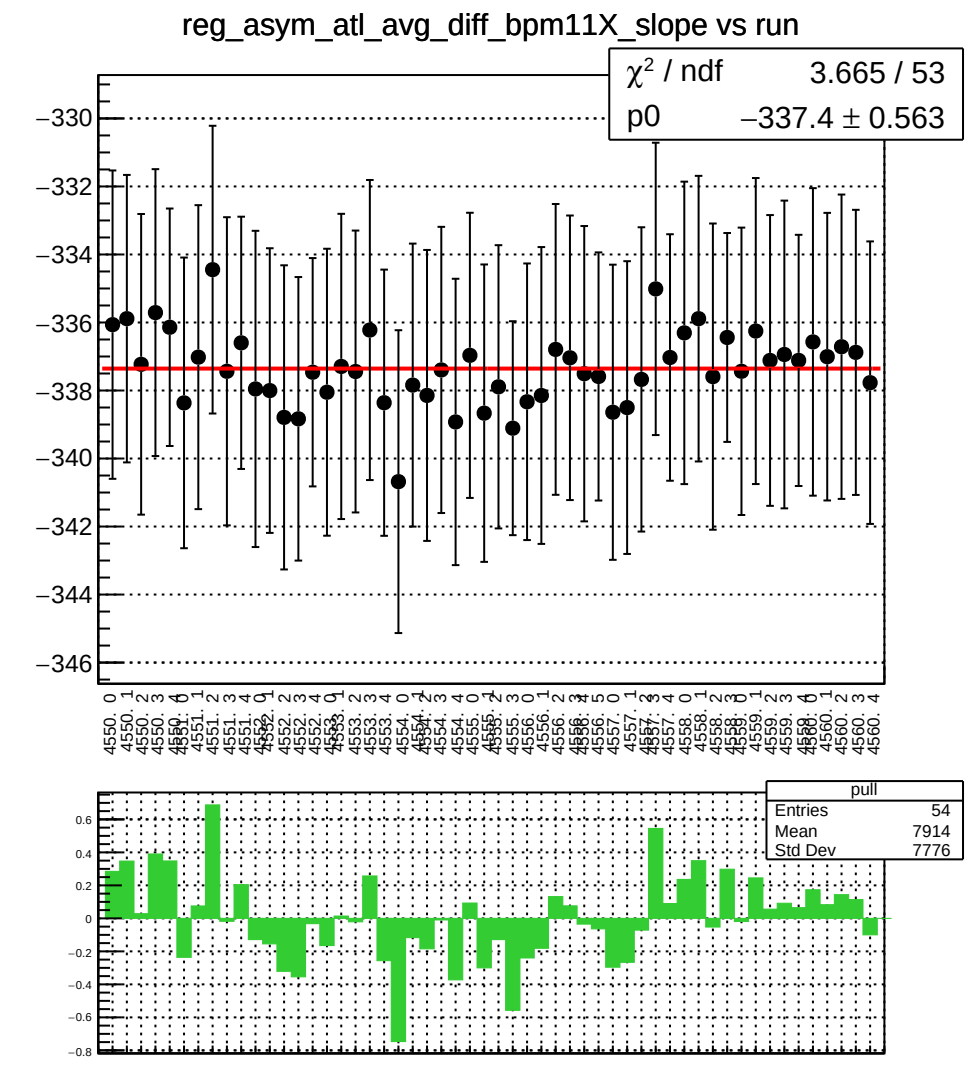

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.327 / 53
p0 13.82 ± 1.674
pull
Entries 54
Mean −1040
Std Dev 1059

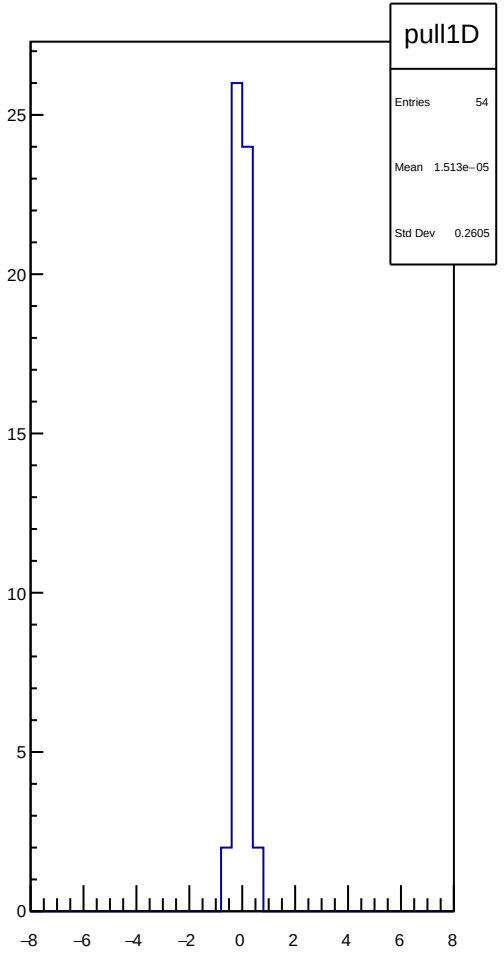

pull1D
Entries 54
Mean 0.0006158
Std Dev 0.3141

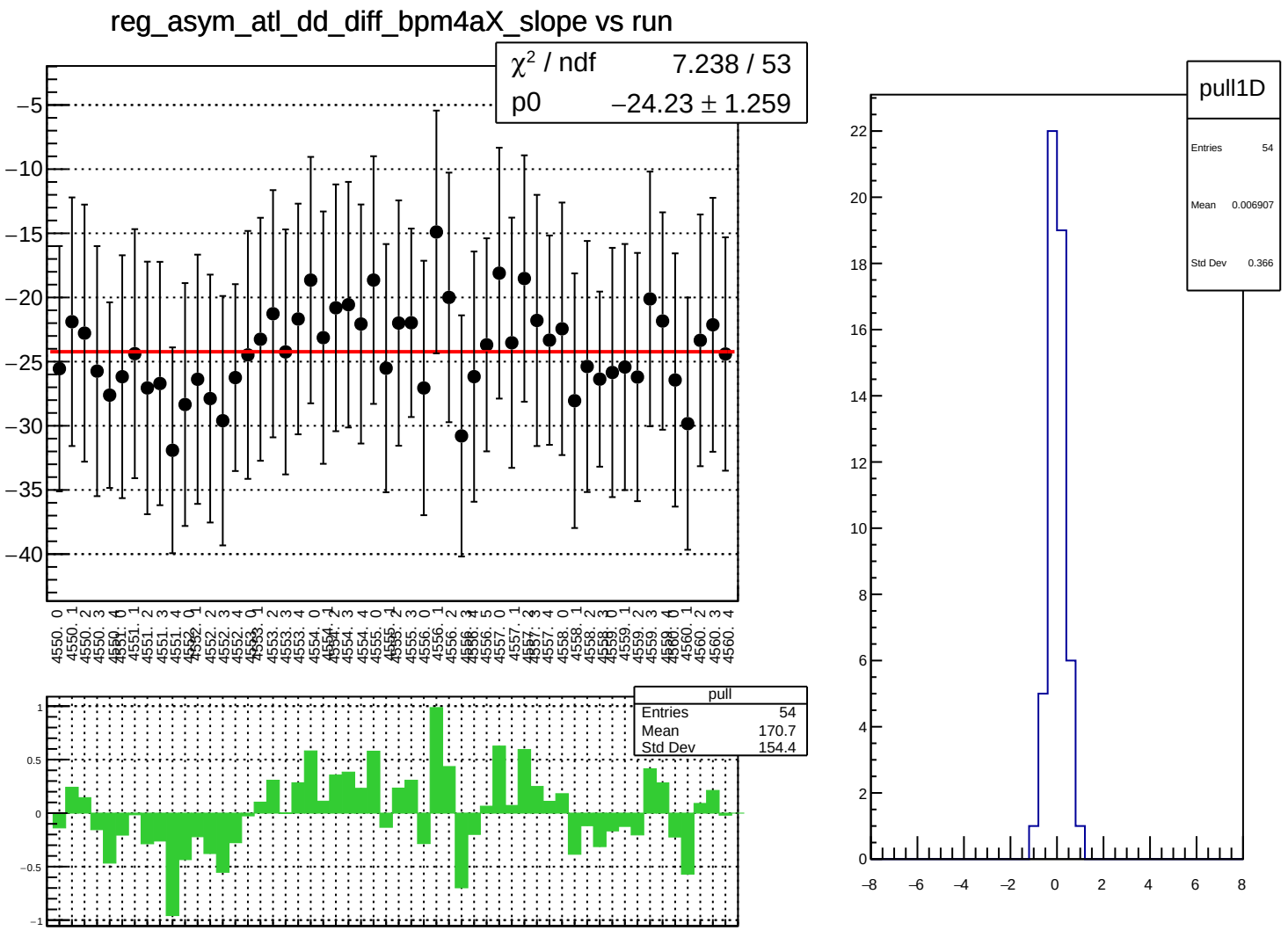

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 148 / 53
p0 52.26 ± 2.107
pull
Entries 54
Mean −4.136
Std Dev 23.24
pull1D
Entries 54
Mean −0.1254
Std Dev 1.651

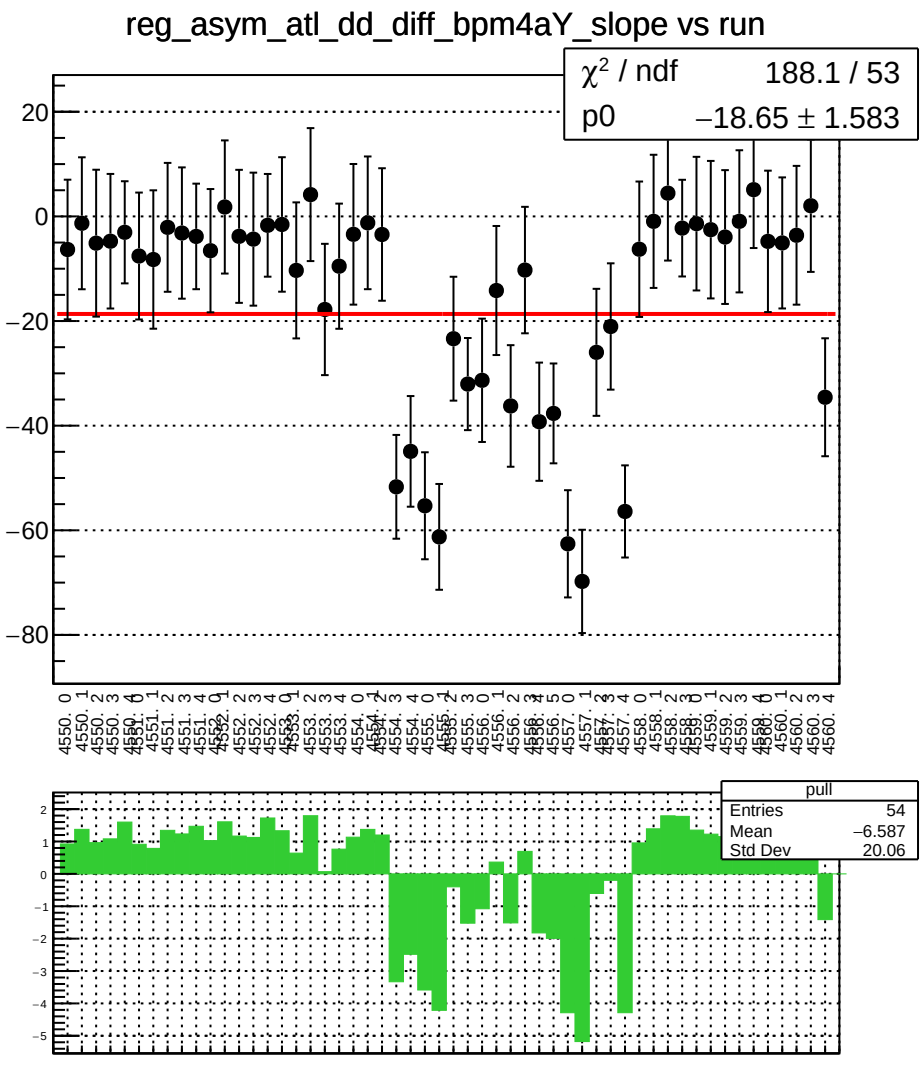

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.83 / 53
p0 −120.4 ± 0.277
−116
−118
−120
−122
−124
pull
Entries 54
Mean 304.4
Std Dev 281.8
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean −0.004287
Std Dev 0.4679
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

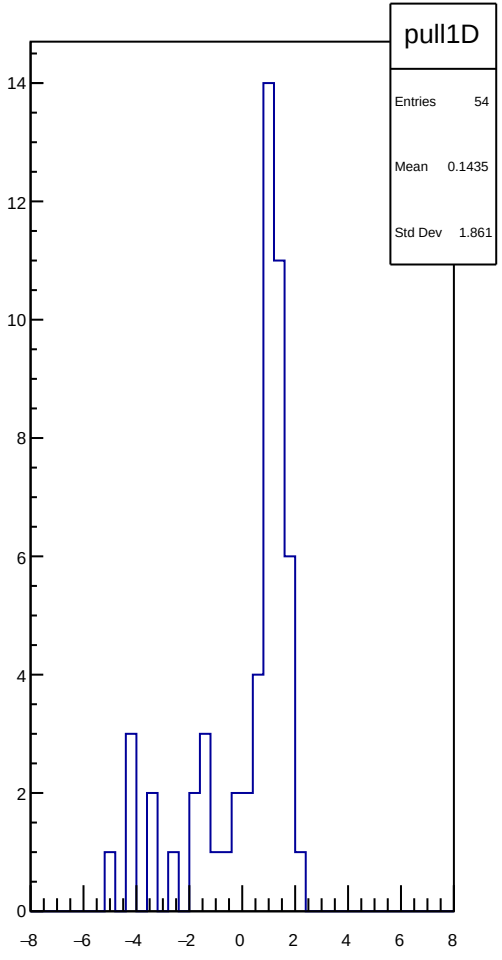

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 151.9 / 53
p0 17.87 ± 2.832
pull
Entries 54
Mean −2.933
Std Dev 24.61
pull1D
Entries 54
Mean 0.129
Std Dev 1.672

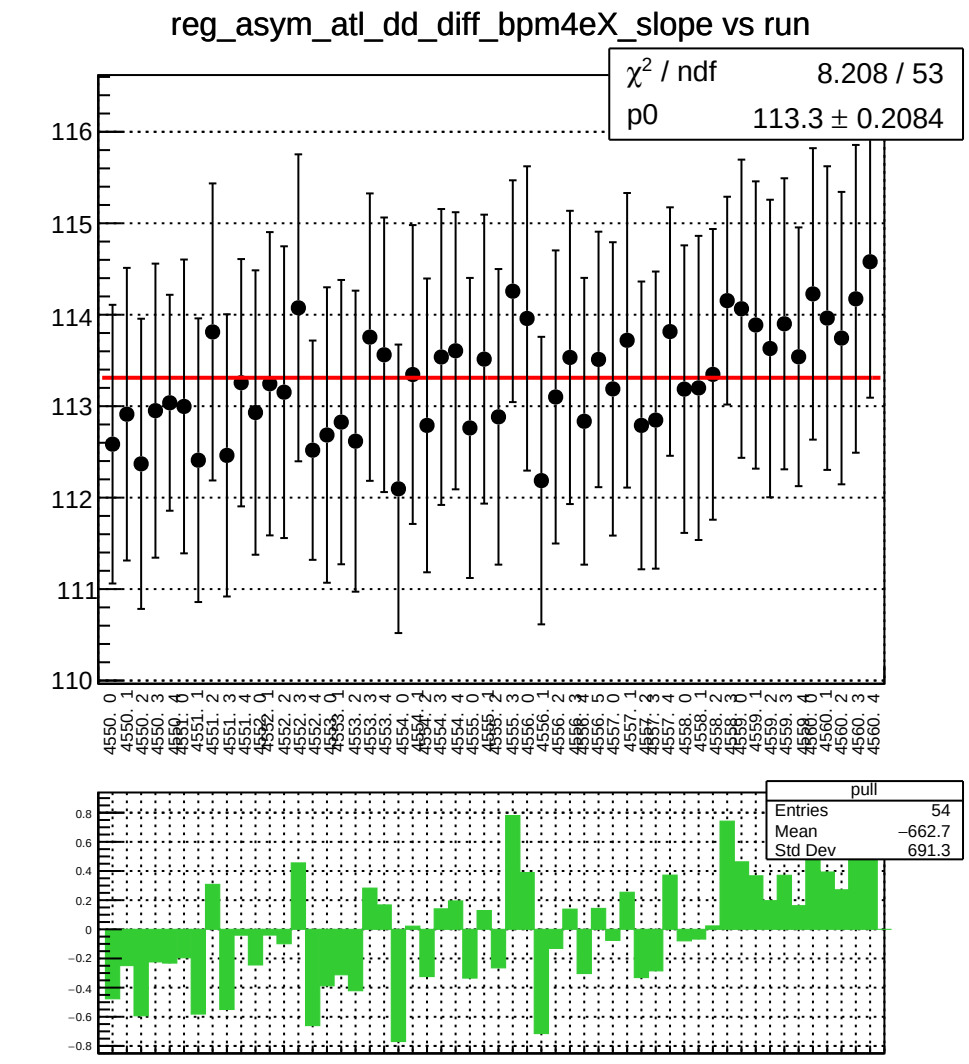

reg_asym_atl_avg_diff_bpm11X_slope vs run
χ² / ndf 3.665 / 53
p0 −337.4 ± 0.563
pull
Entries 54
Mean 7914
Std Dev 7776

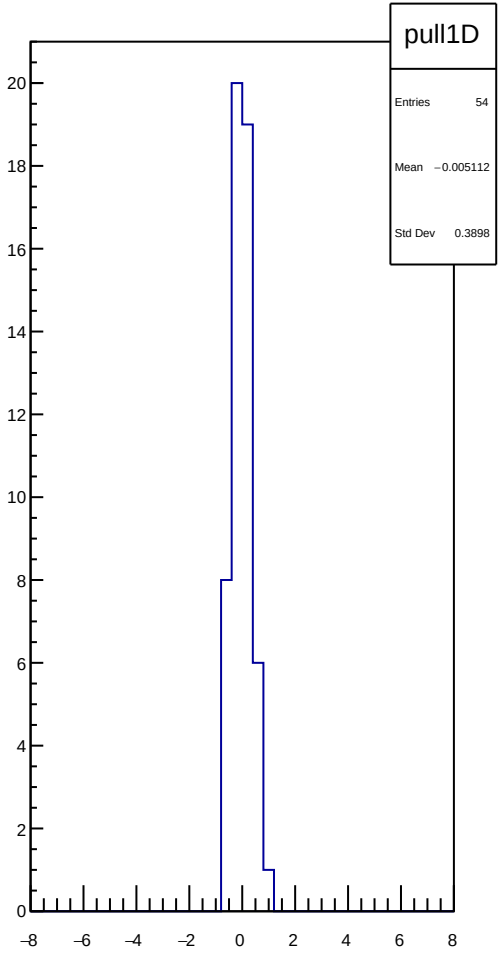

pull1D
Entries 54
Mean 1.513e−05
Std Dev 0.2605

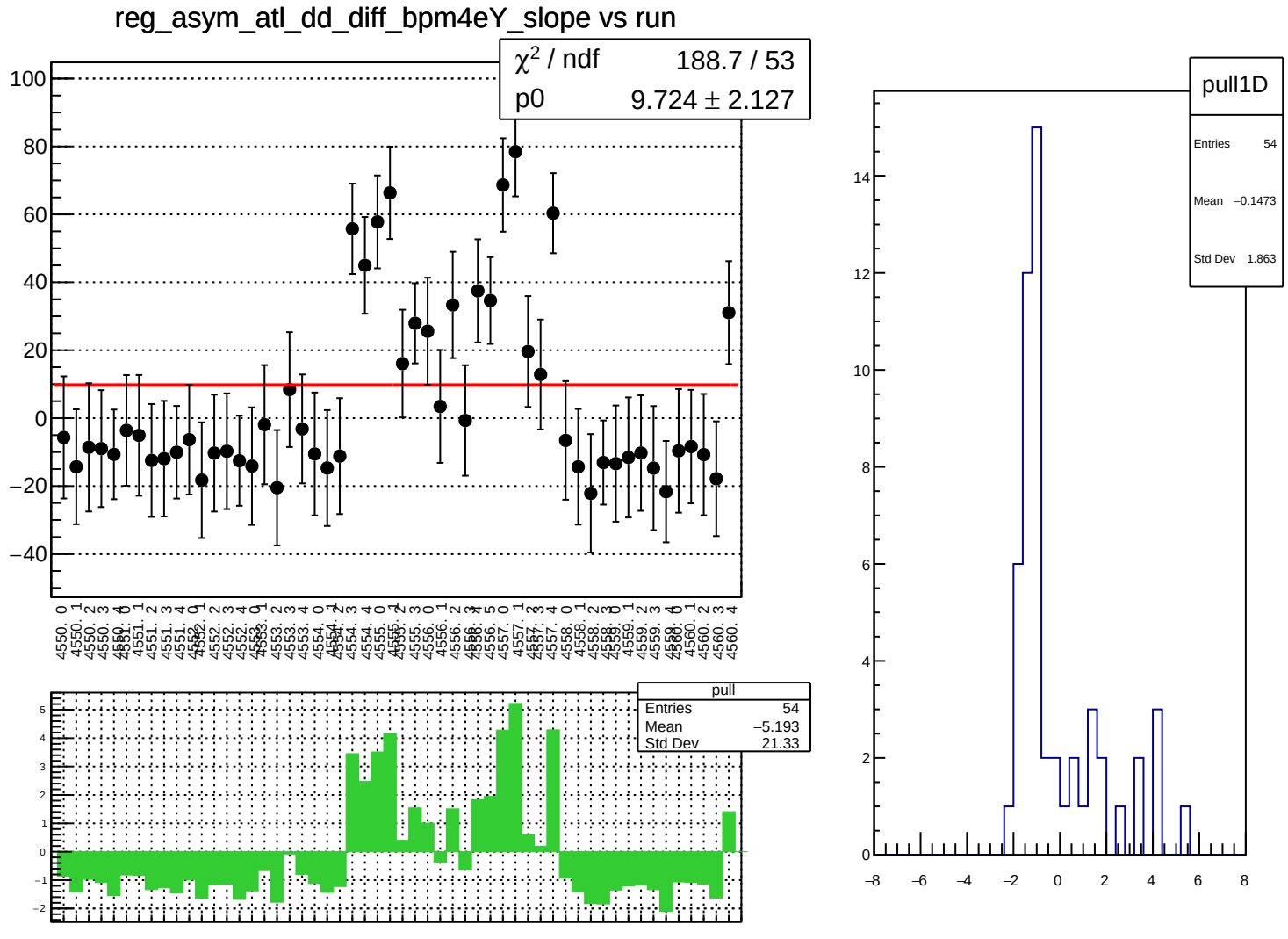

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.238 / 53
p0 −24.23 ± 1.259
pull
Entries 54
Mean 170.7
Std Dev 154.4
pull1D
Entries 54
Mean 0.006907
Std Dev 0.366

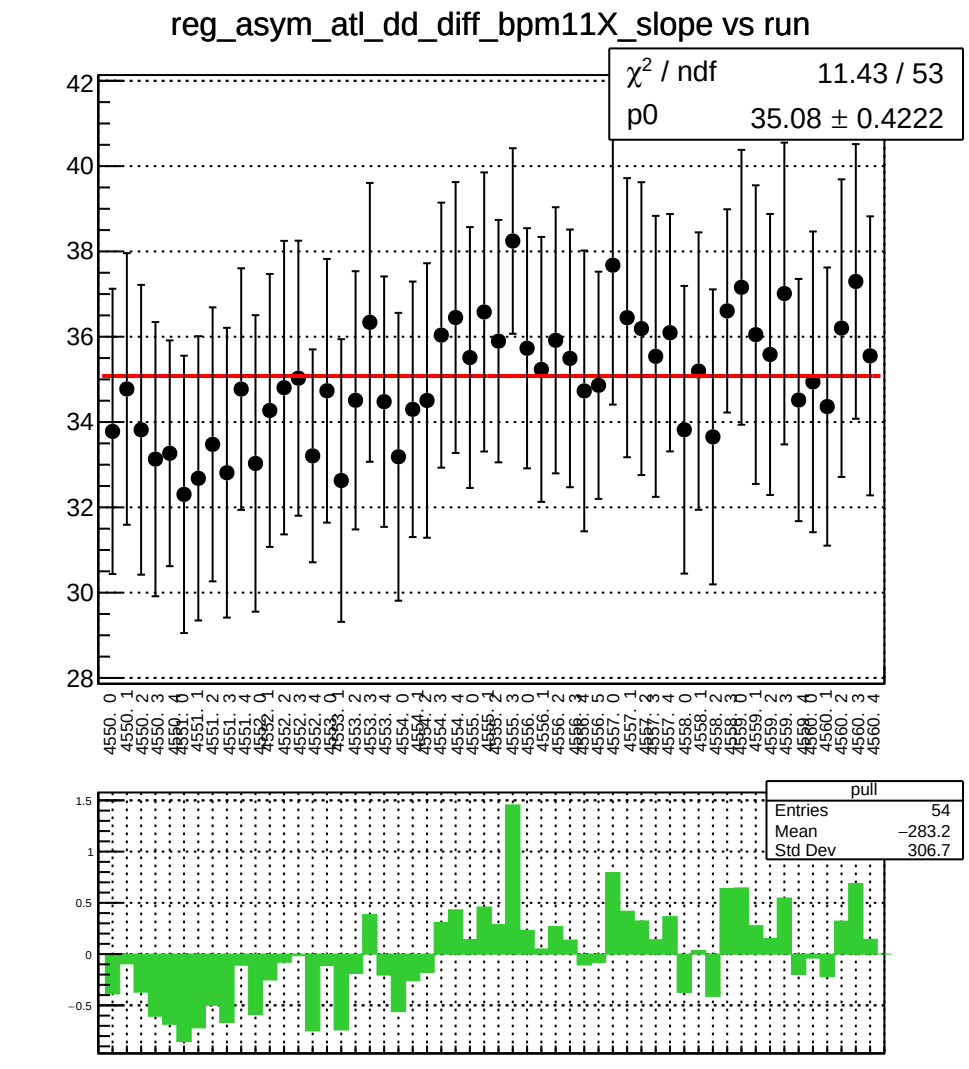

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 188.1 / 53
p0 −18.65 ± 1.583
pull
Entries 54
Mean −6.587
Std Dev 20.06

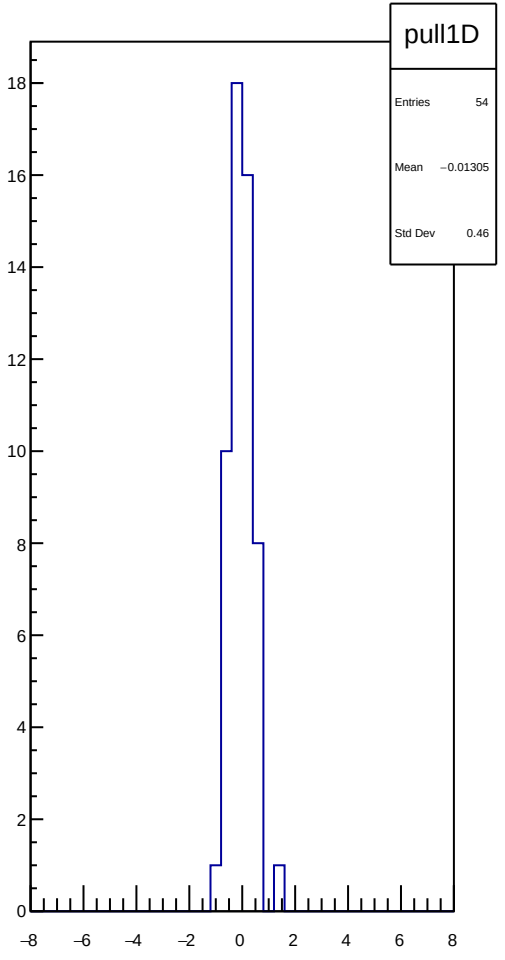

pull1D
Entries 54
Mean 0.1435
Std Dev 1.861

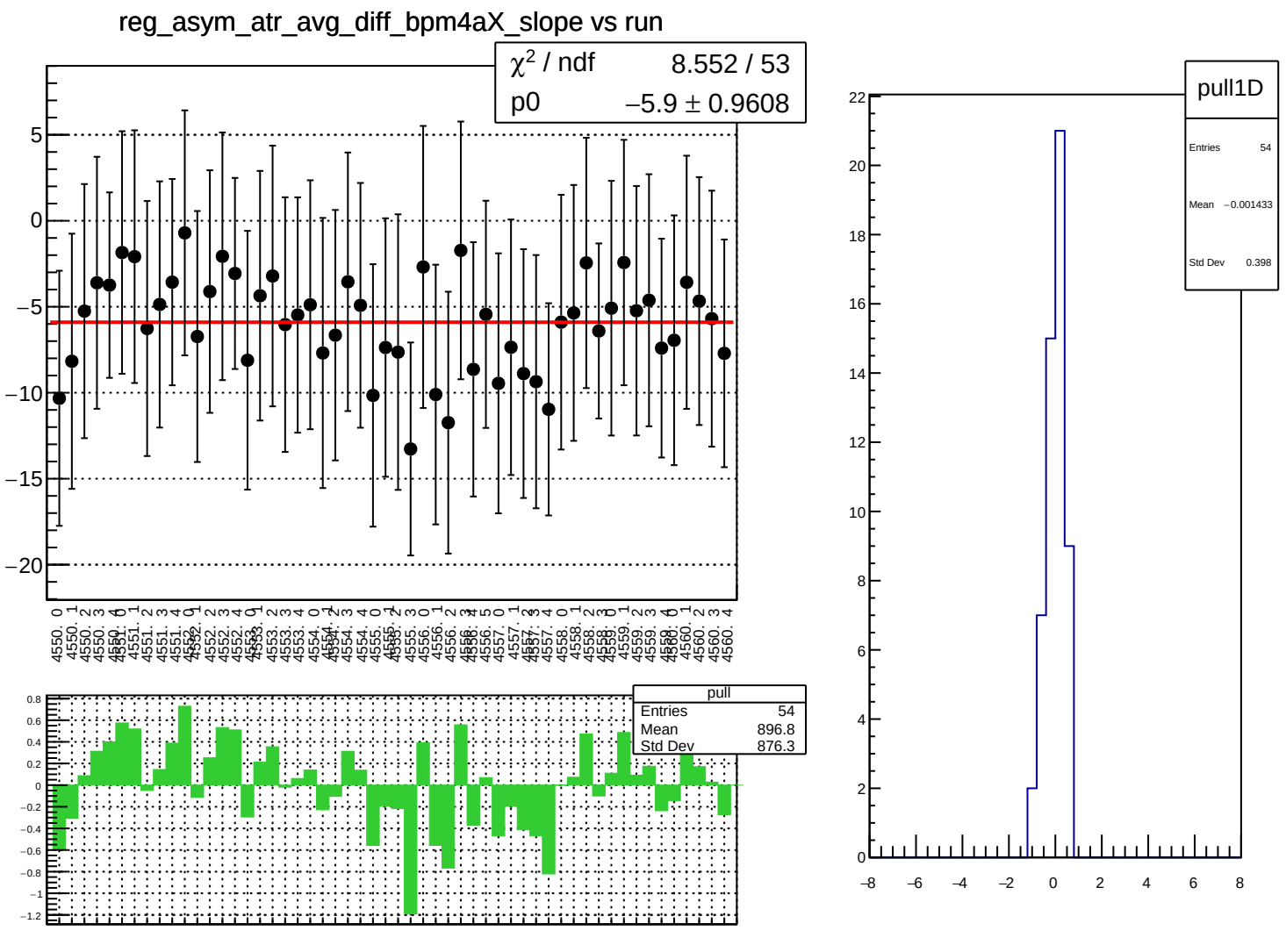

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.208 / 53
p0 113.3 ± 0.2084
pull
Entries 54
Mean −662.7
Std Dev 691.3

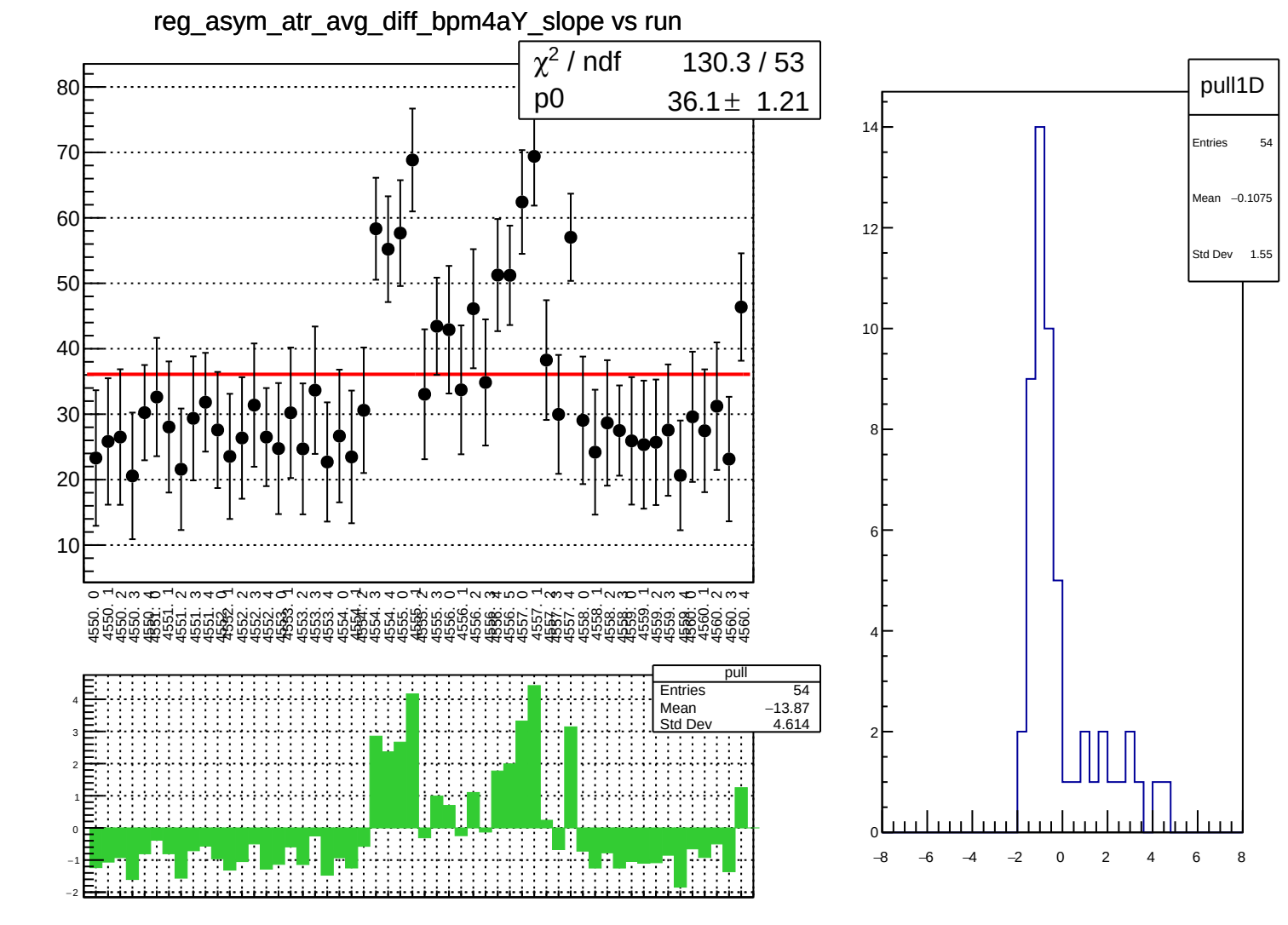

pull1D
Entries 54
Mean −0.005112
Std Dev 0.3898

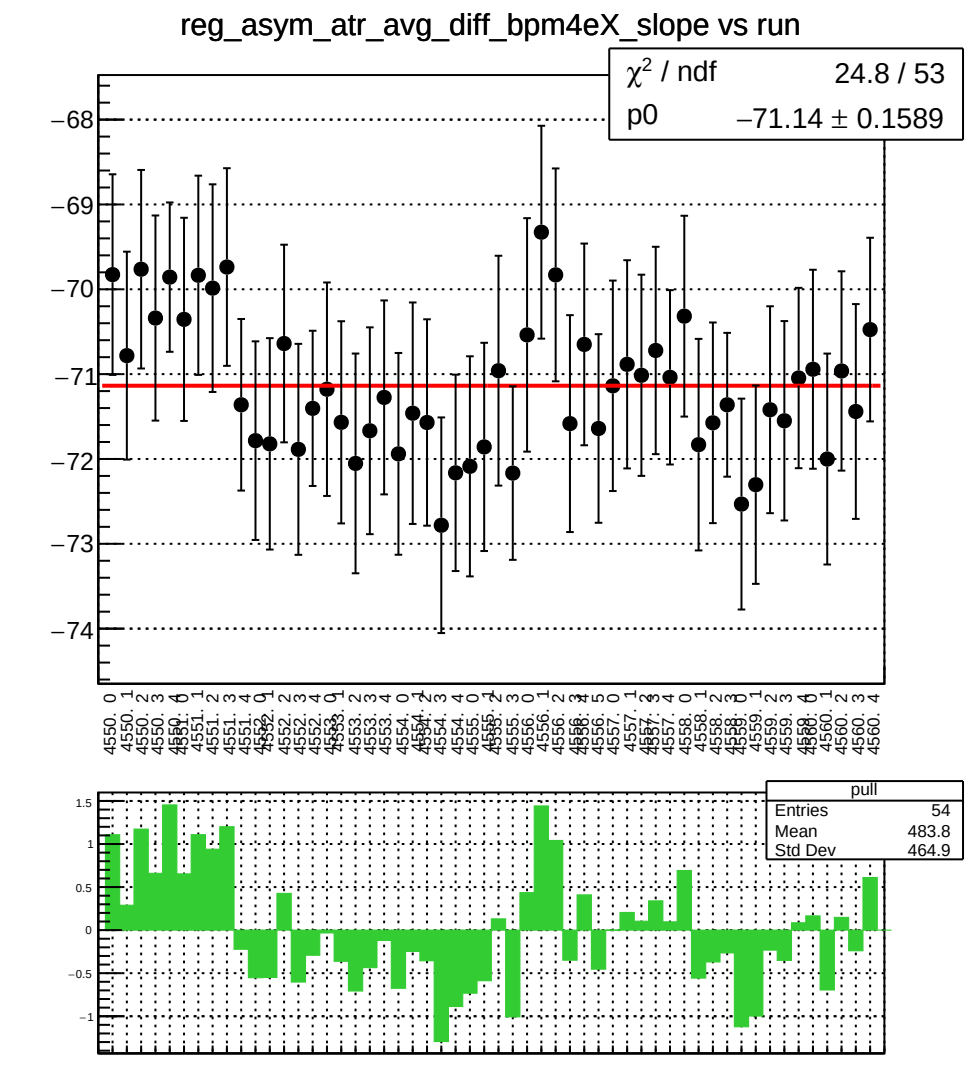

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 188.7 / 53
p0 9.724 ± 2.127
pull
Entries 54
Mean −5.193
Std Dev 21.33
pull1D
Entries 54
Mean −0.1473
Std Dev 1.863

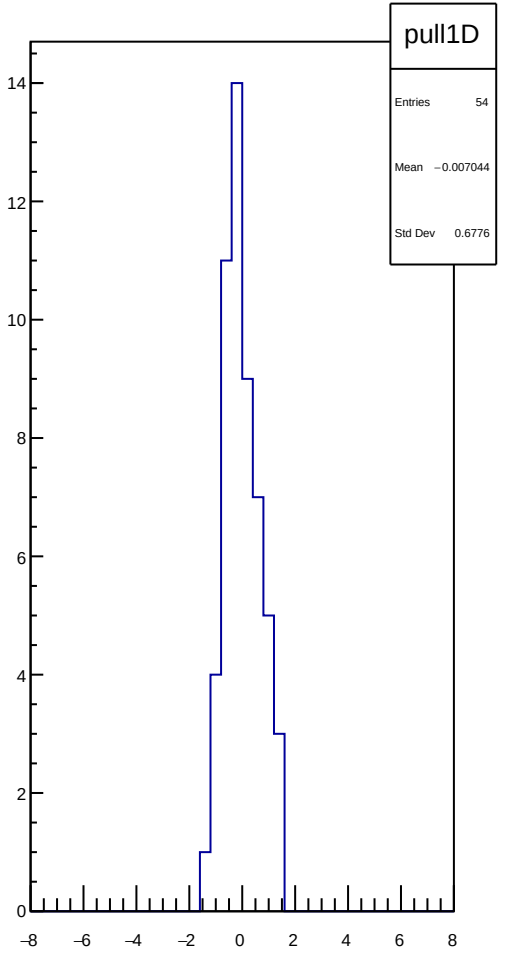

reg_asym_atl_dd_diff_bpm11X_slope vs run
χ² / ndf 11.43 / 53
p0 35.08 ± 0.4222
pull
Entries 54
Mean −283.2
Std Dev 306.7

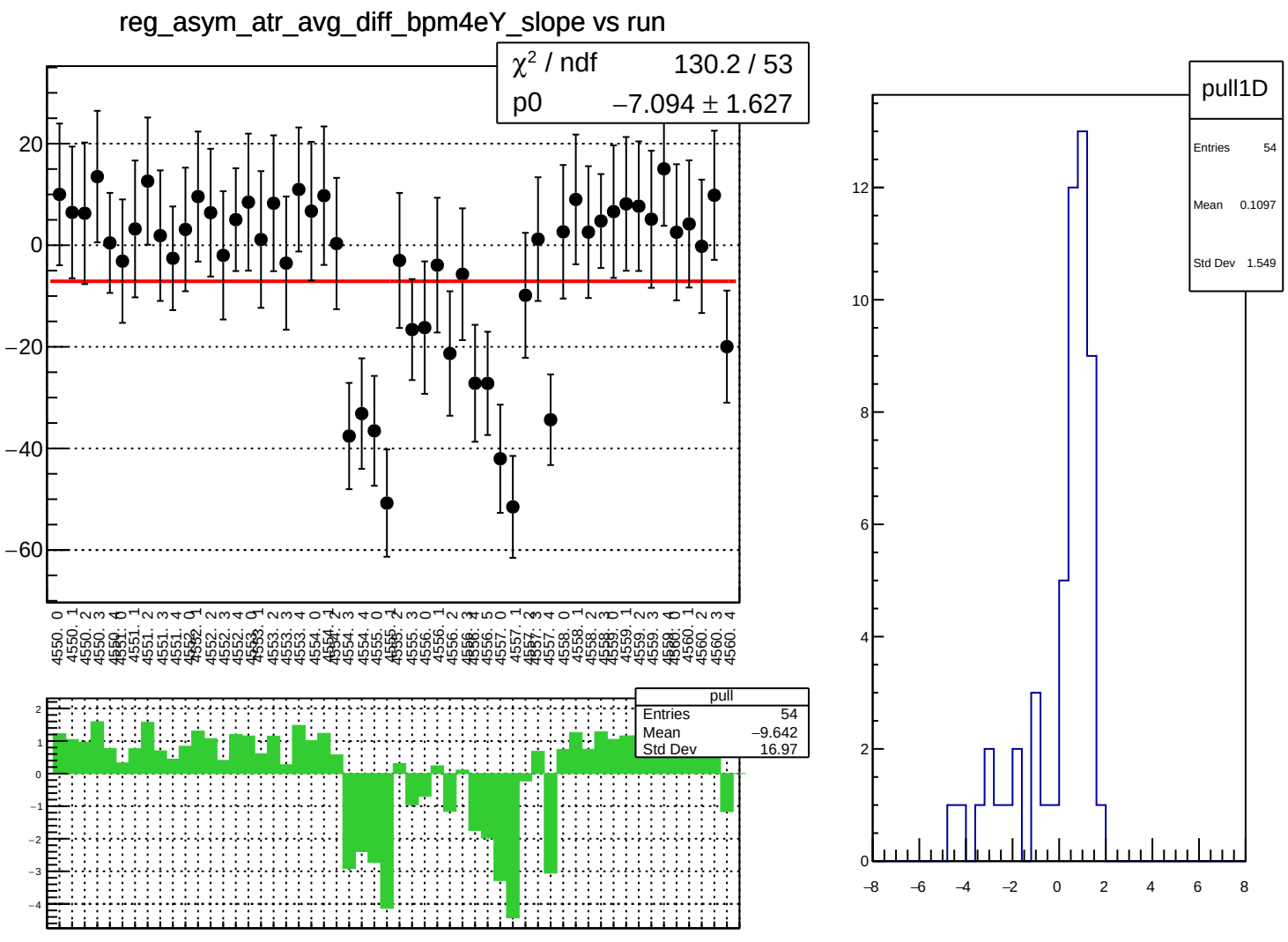

pull1D
Entries 54
Mean −0.01305
Std Dev 0.46

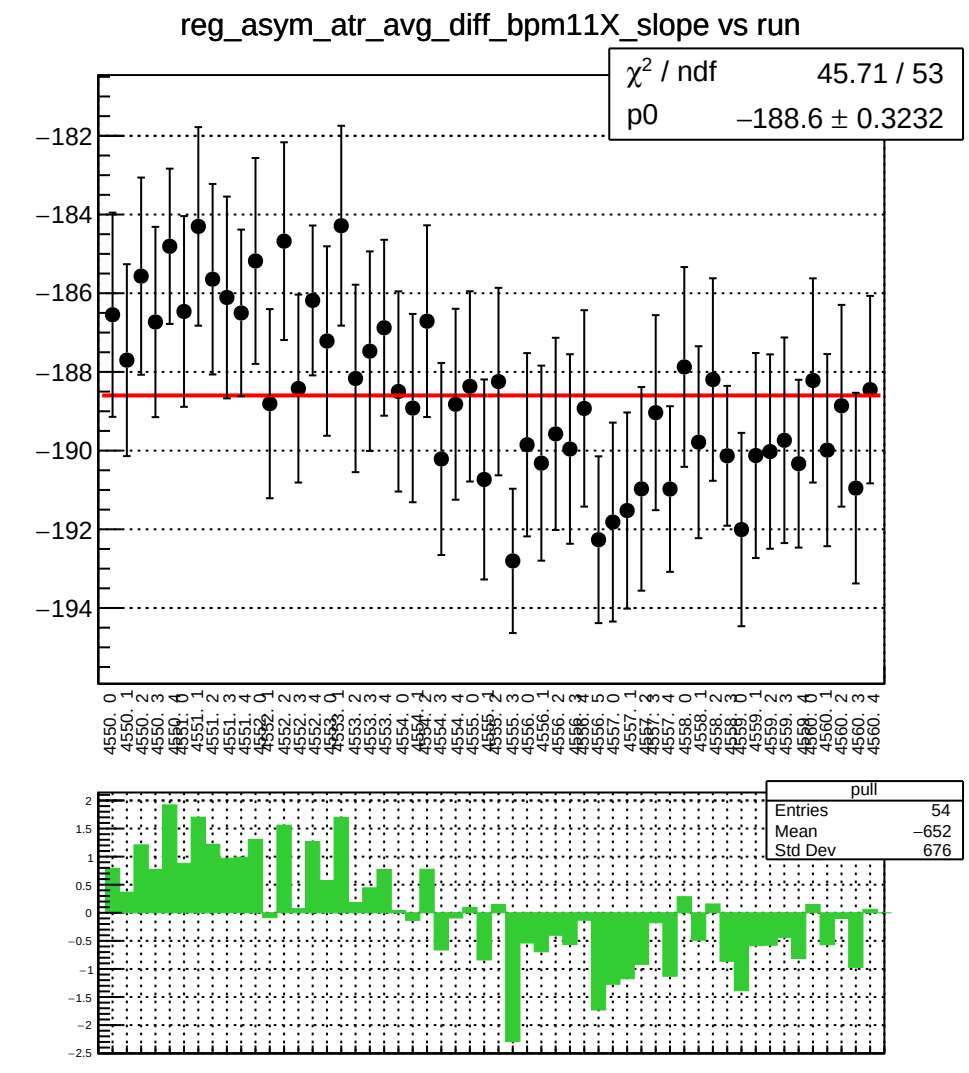

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.552 / 53
p0 −5.9 ± 0.9608
pull
Entries 54
Mean 896.8
Std Dev 876.3
pull1D
Entries 54
Mean −0.001433
Std Dev 0.398

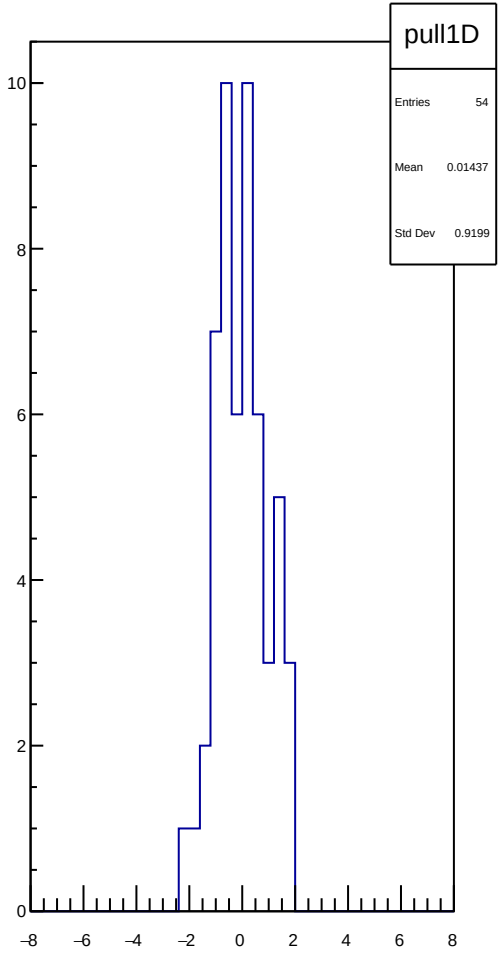

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 130.3 / 53
p0 36.1 ± 1.21
pull
Entries 54
Mean −13.87
Std Dev 4.614
pull1D
Entries 54
Mean −0.1075
Std Dev 1.55

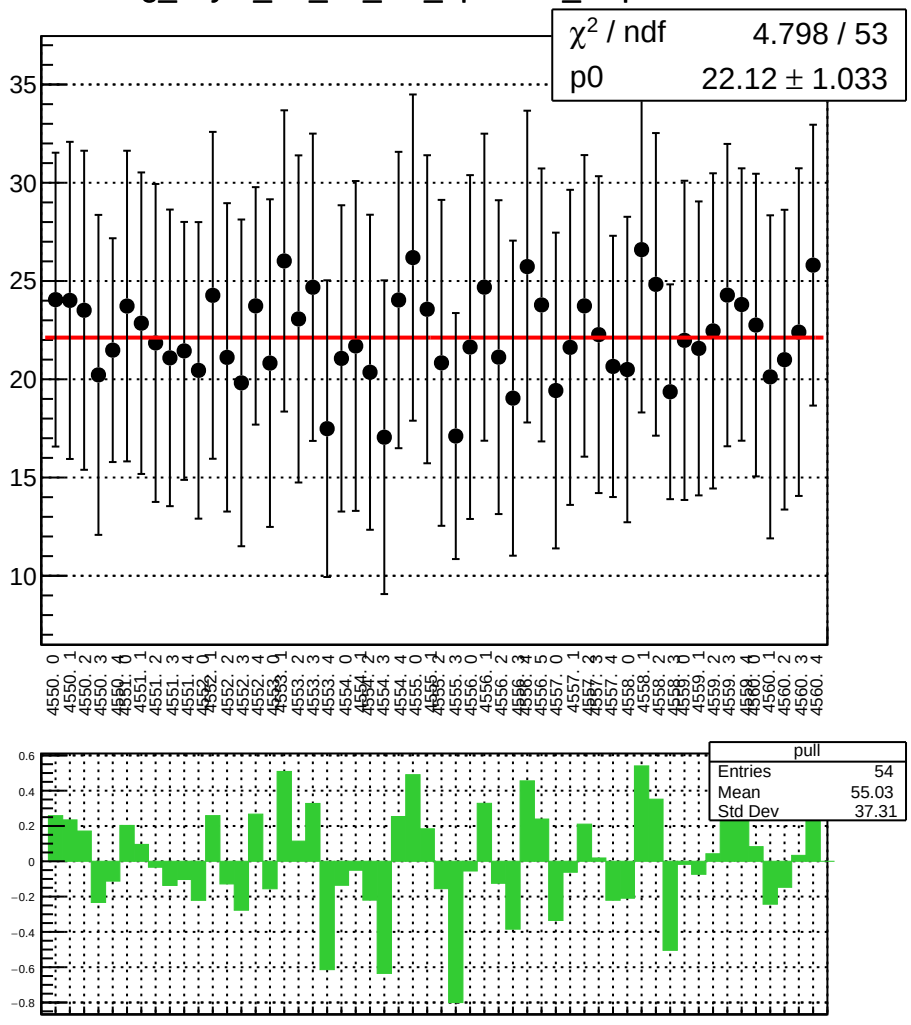

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.8 / 53
p0 −71.14 ± 0.1589
pull
Entries 54
Mean 483.8
Std Dev 464.9

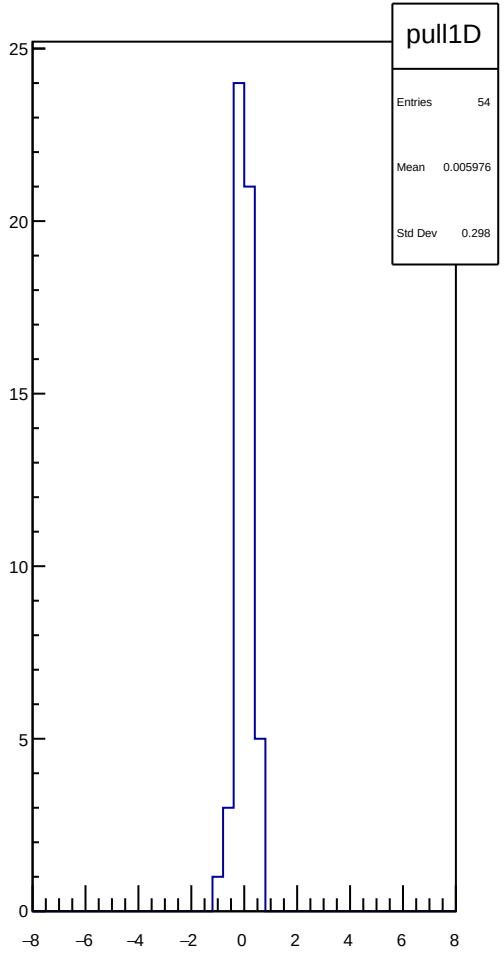

pull1D
Entries 54
Mean −0.007044
Std Dev 0.6776

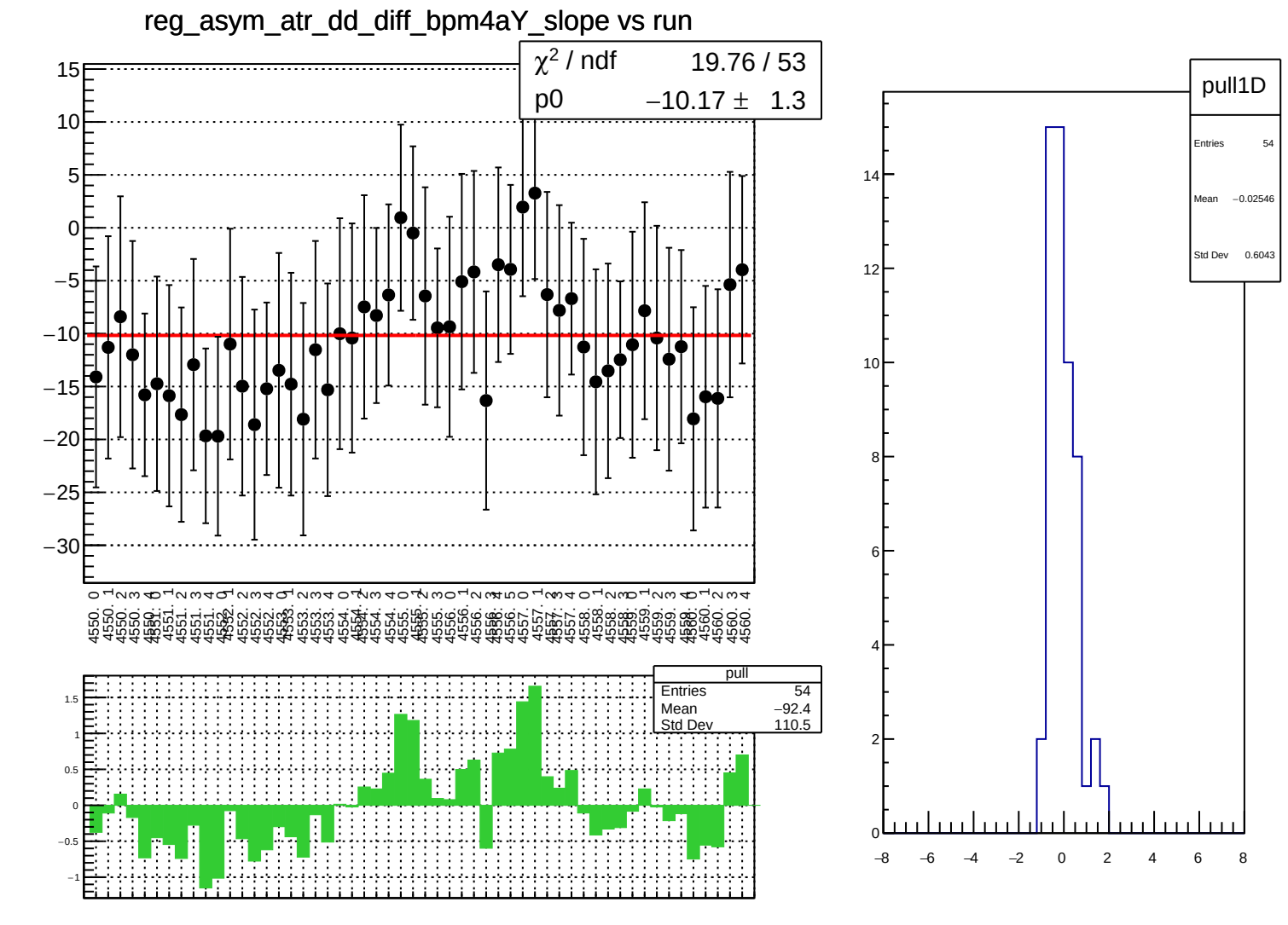

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 130.2 / 53
p0 −7.094 ± 1.627
pull
Entries 54
Mean −9.642
Std Dev 16.97
pull1D
Entries 54
Mean 0.1097
Std Dev 1.549

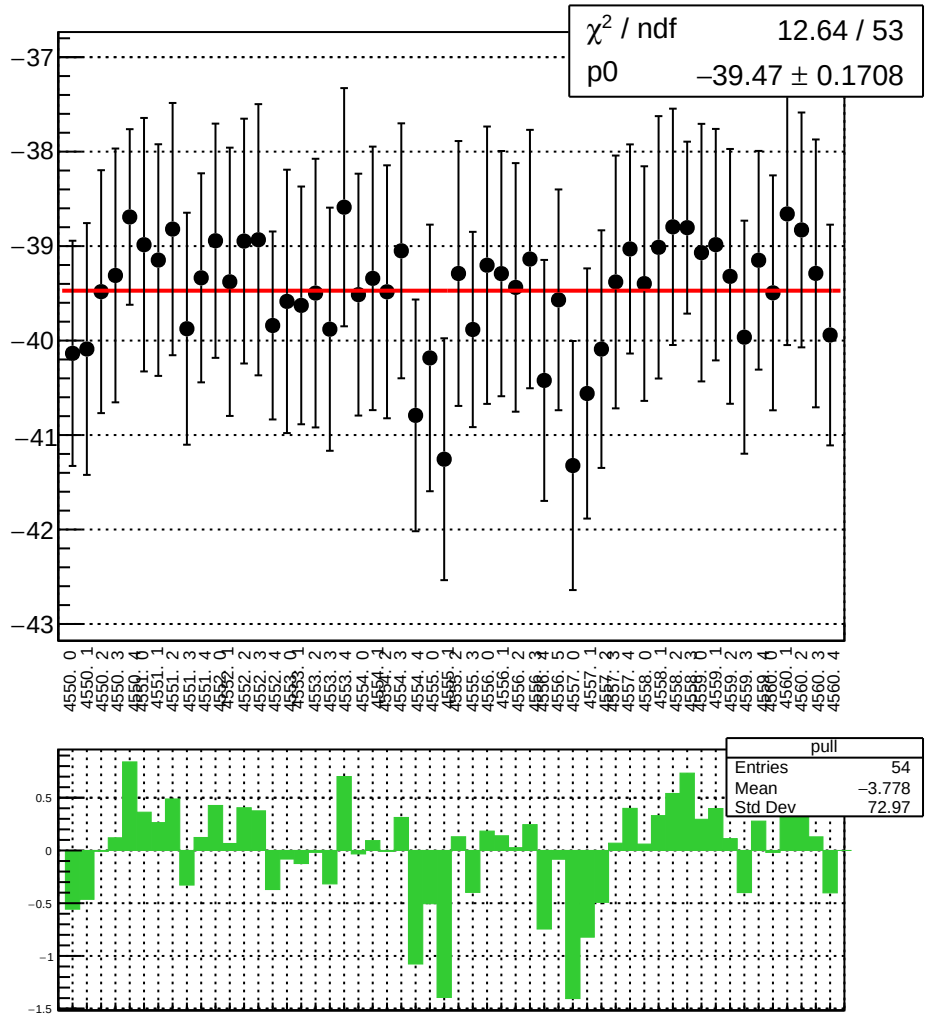

reg_asym_atr_avg_diff_bpm11X_slope vs run
χ² / ndf 45.71 / 53
p0 −188.6 ± 0.3232
pull
Entries 54
Mean −652
Std Dev 676

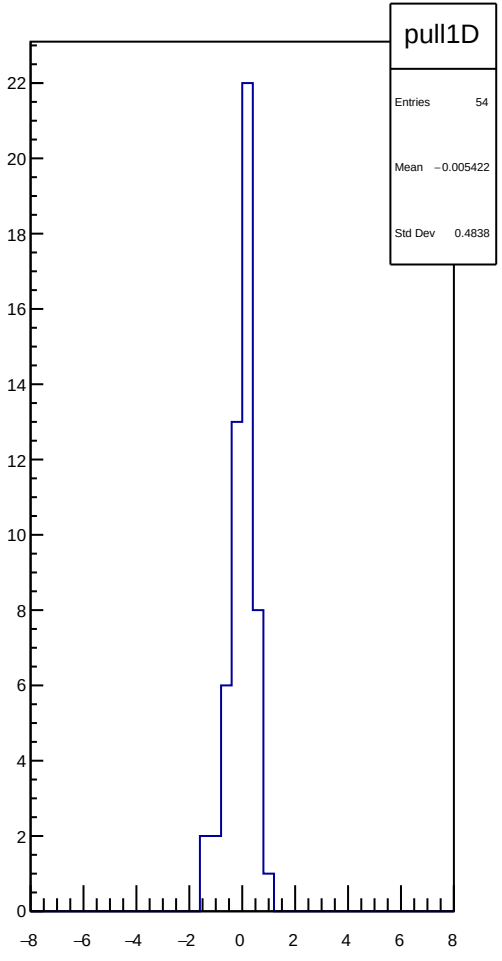

pull1D
Entries 54
Mean 0.01437
Std Dev 0.9199

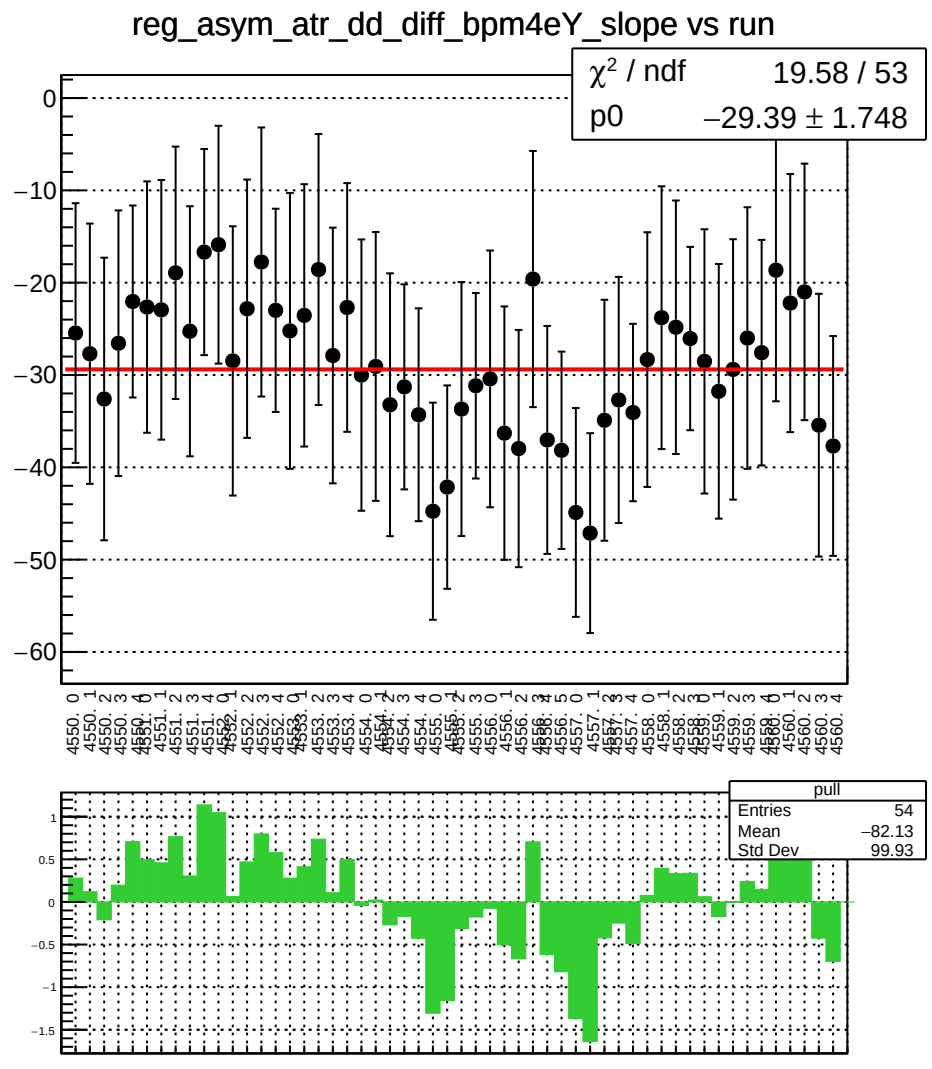

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.798 / 53
p0 22.12 ± 1.033
pull
Entries 54
Mean 55.03
Std Dev 37.31

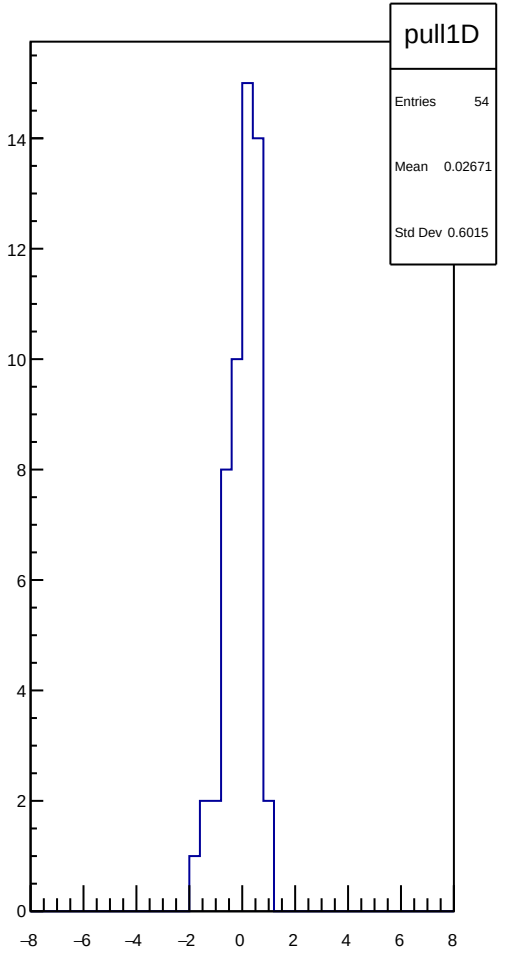

pull1D
Entries 54
Mean 0.005976
Std Dev 0.298

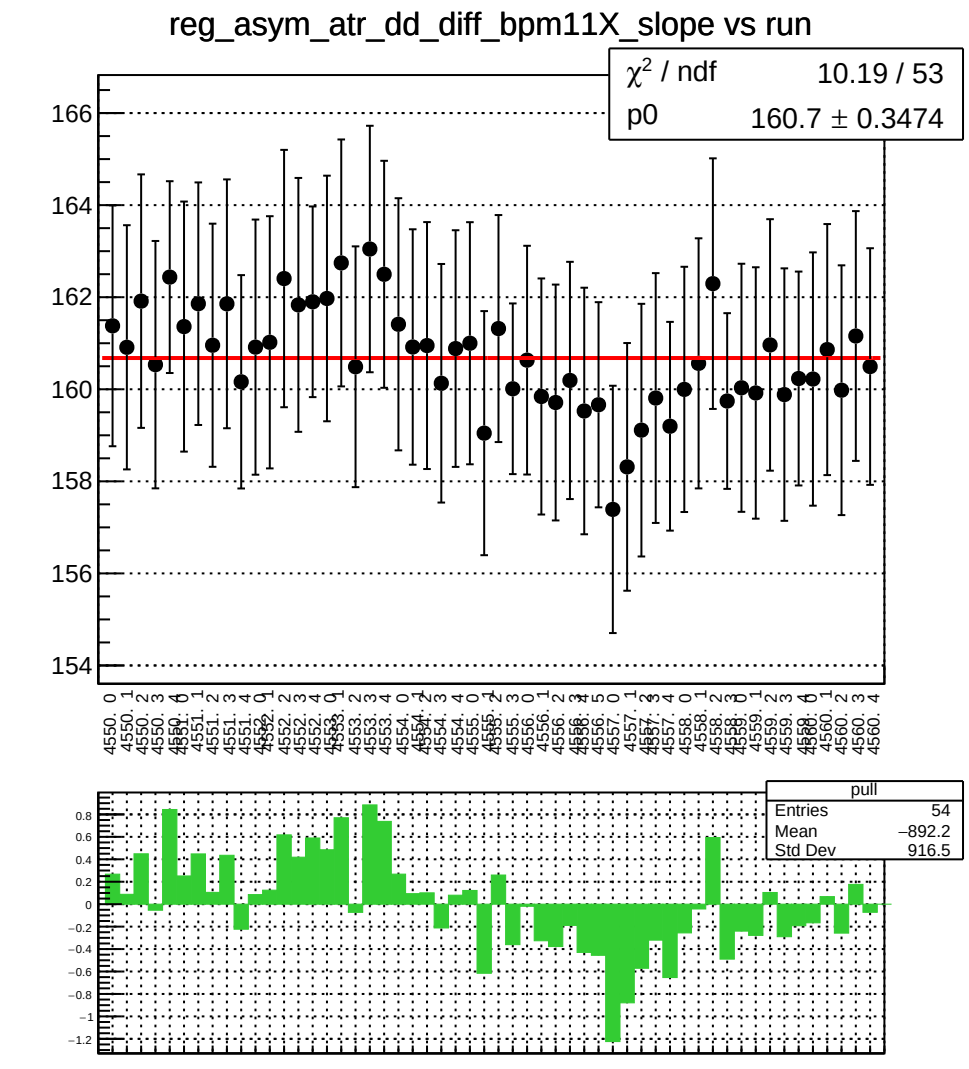

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.76 / 53
p0 −10.17 ± 1.3
pull
Entries 54
Mean −92.4
Std Dev 110.5
pull1D
Entries 54
Mean −0.02546
Std Dev 0.6043

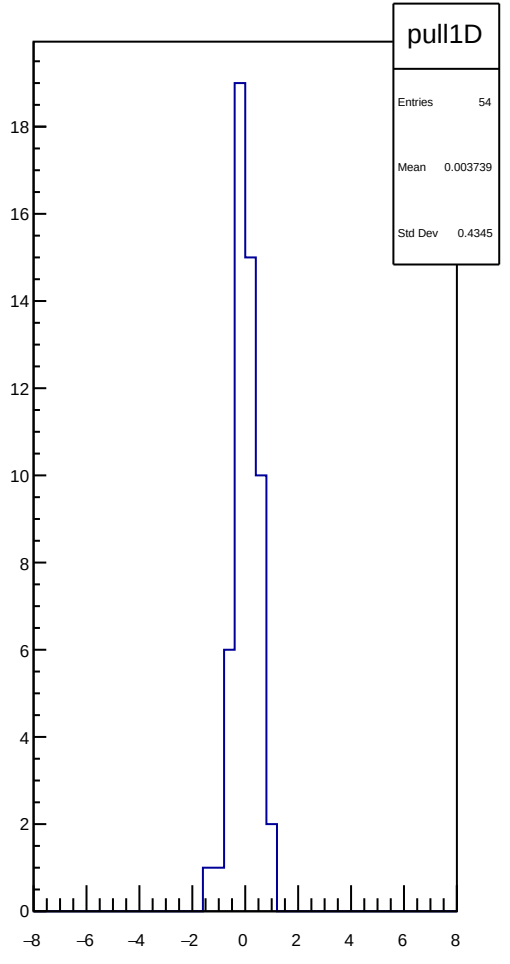

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.64 / 53
p0 −39.47 ± 0.1708
pull
Entries 54
Mean −3.778
Std Dev 72.97

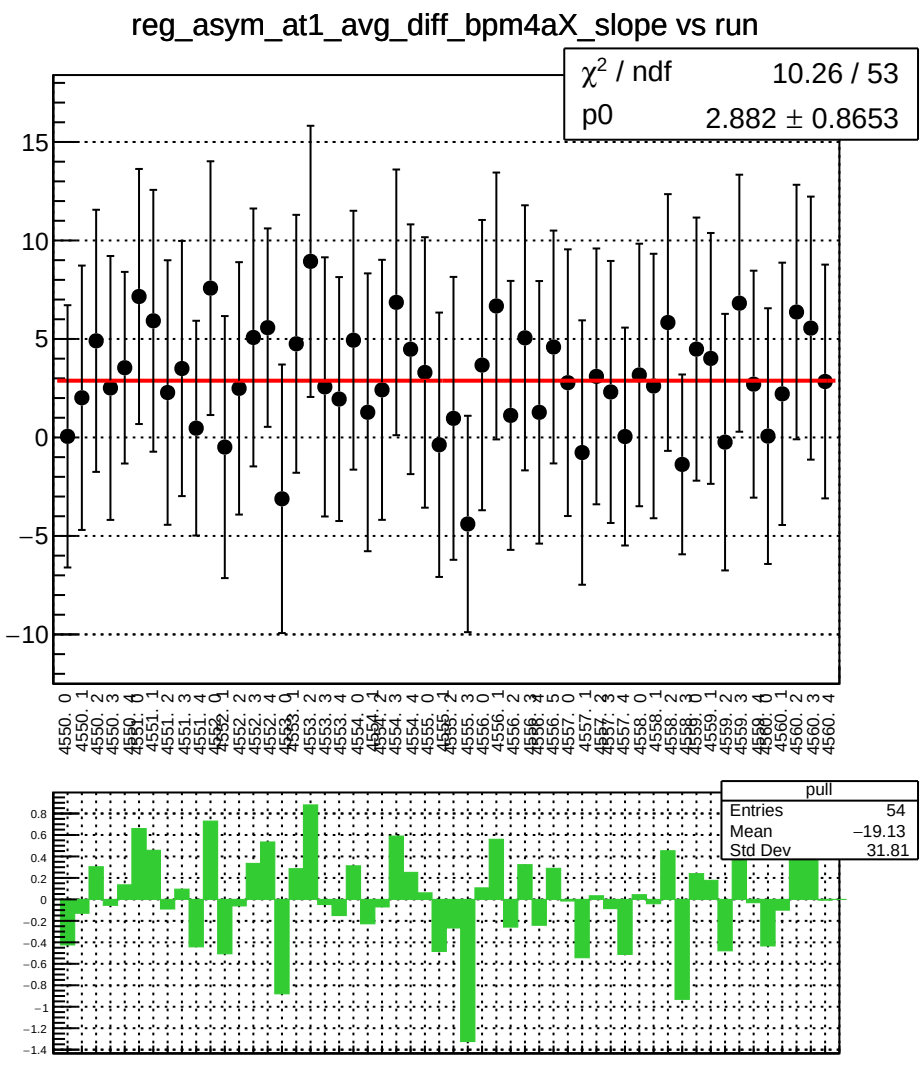

pull1D
Entries 54
Mean −0.005422
Std Dev 0.4838

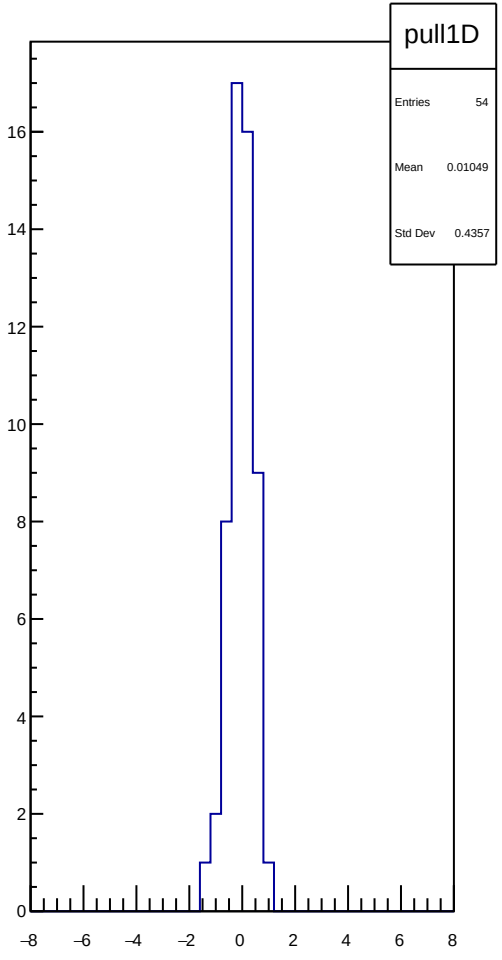

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.58 / 53
p0 −29.39 ± 1.748
pull
Entries 54
Mean −82.13
Std Dev 99.93

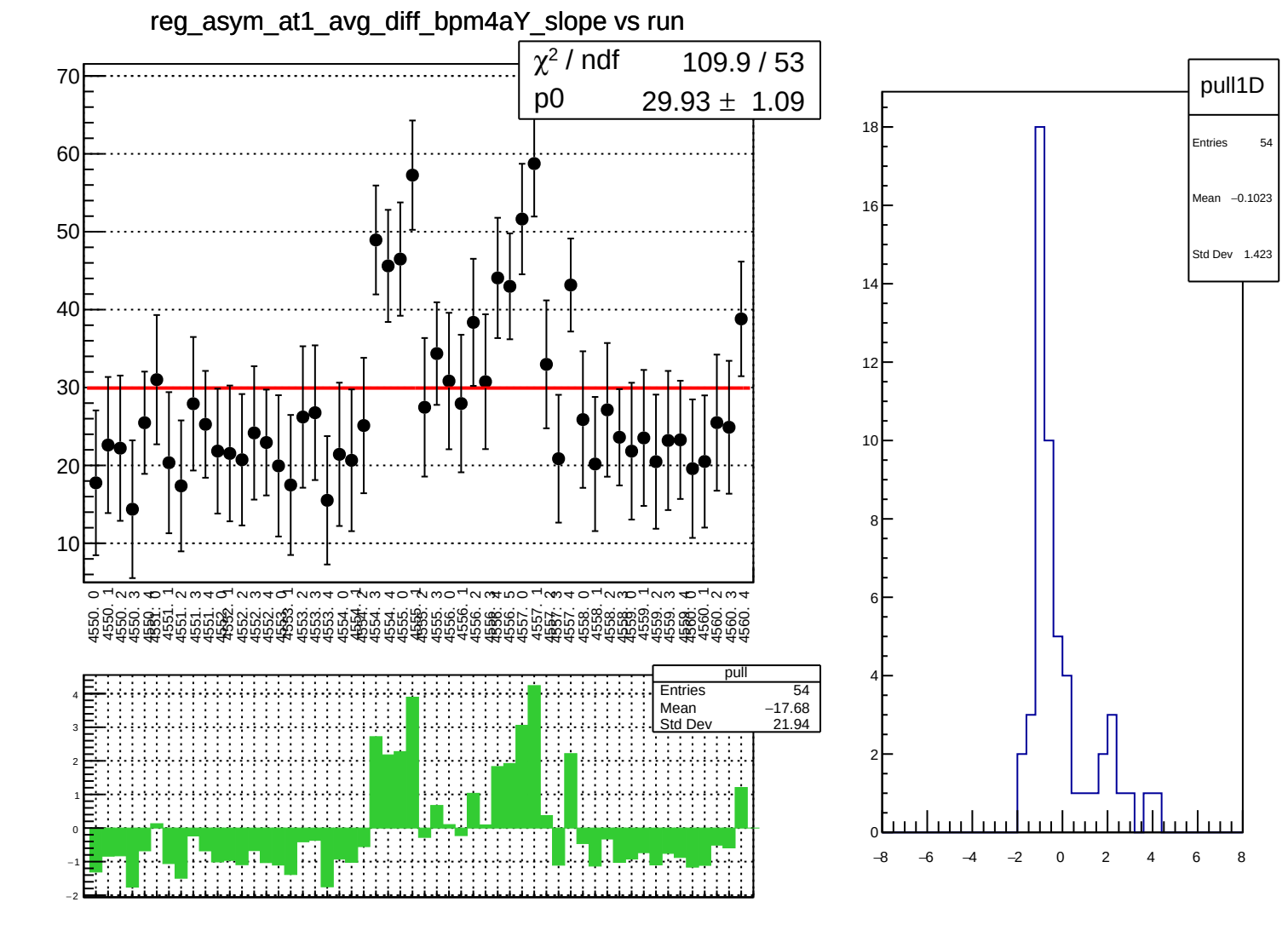

pull1D
Entries 54
Mean 0.02671
Std Dev 0.6015

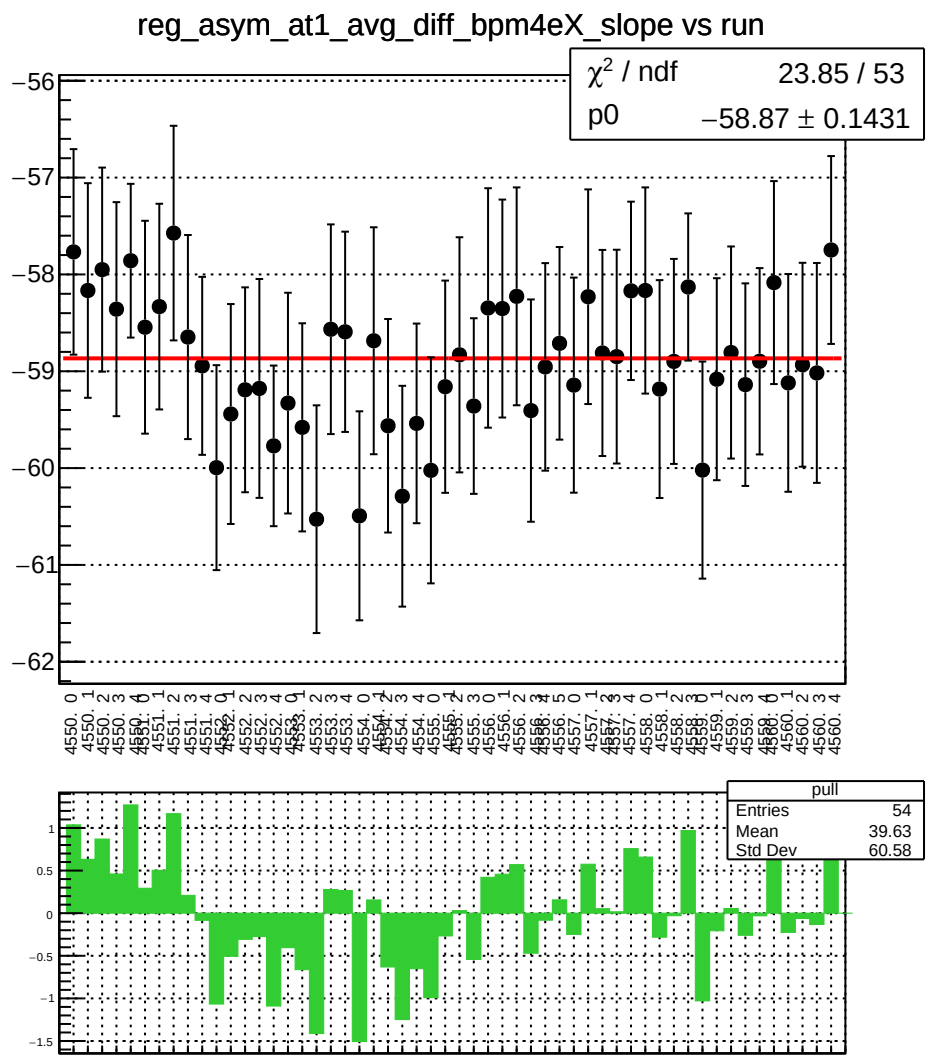

reg_asym_atr_dd_diff_bpm11X_slope vs run
χ² / ndf 10.19 / 53
p0 160.7 ± 0.3474
166
164
162
160
158
156
154
pull
Entries 54
Mean −892.2
Std Dev 916.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

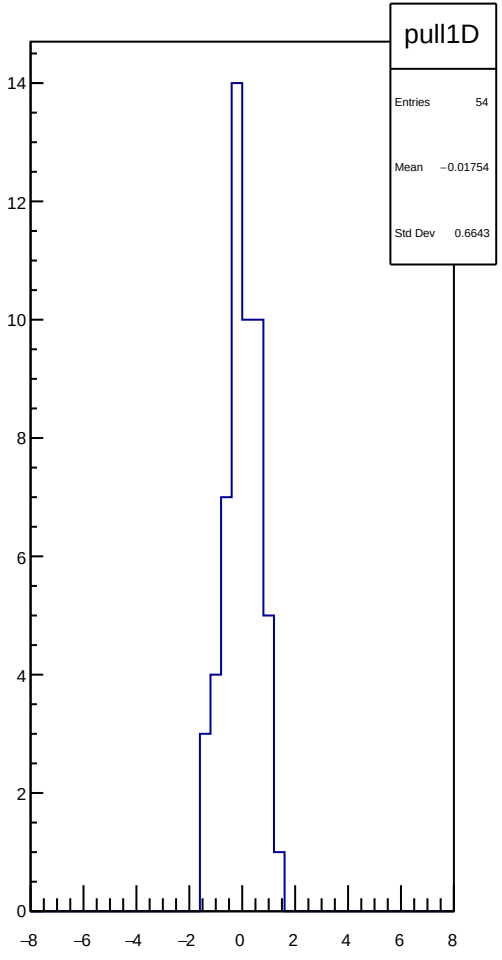

pull1D
Entries 54
Mean 0.003739
Std Dev 0.4345
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

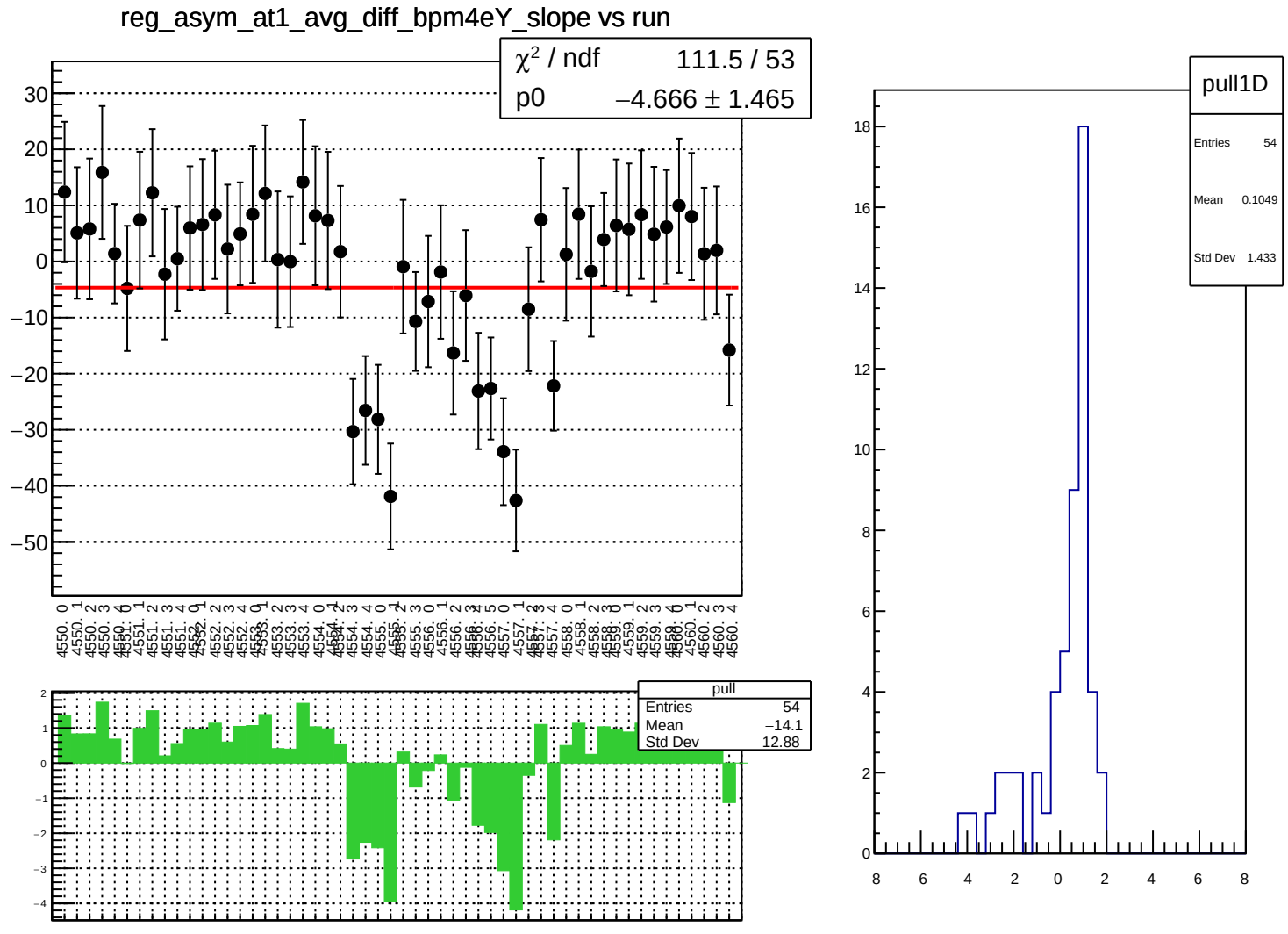

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.26 / 53
p0 2.882 ± 0.8653
pull
Entries 54
Mean −19.13
Std Dev 31.81

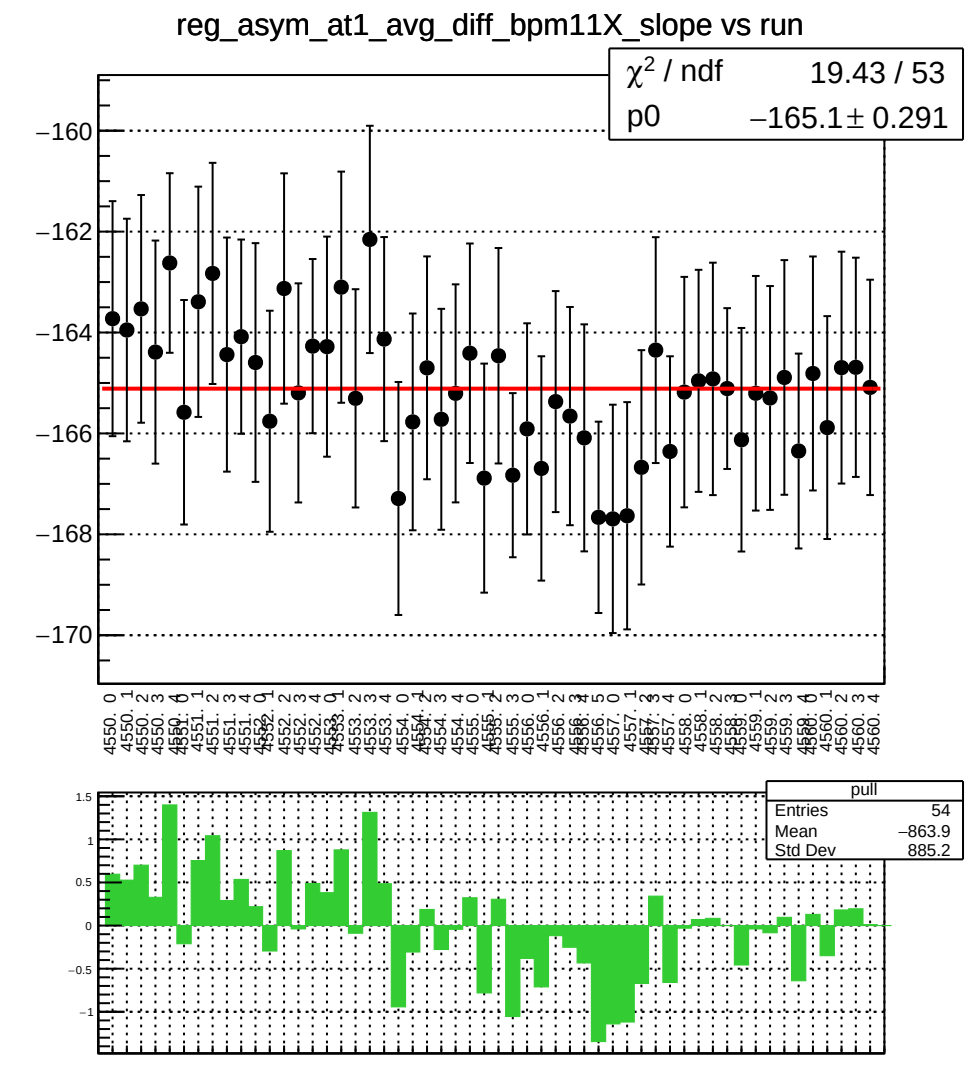

pull1D
Entries 54
Mean 0.01049
Std Dev 0.4357

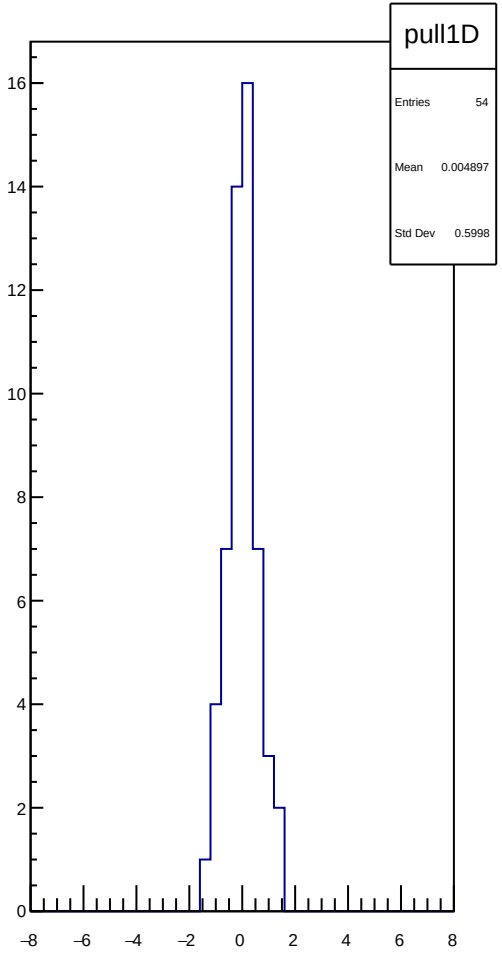

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 109.9 / 53
p0 29.93 ± 1.09
pull
Entries 54
Mean −17.68
Std Dev 21.94
pull1D
Entries 54
Mean −0.1023
Std Dev 1.423

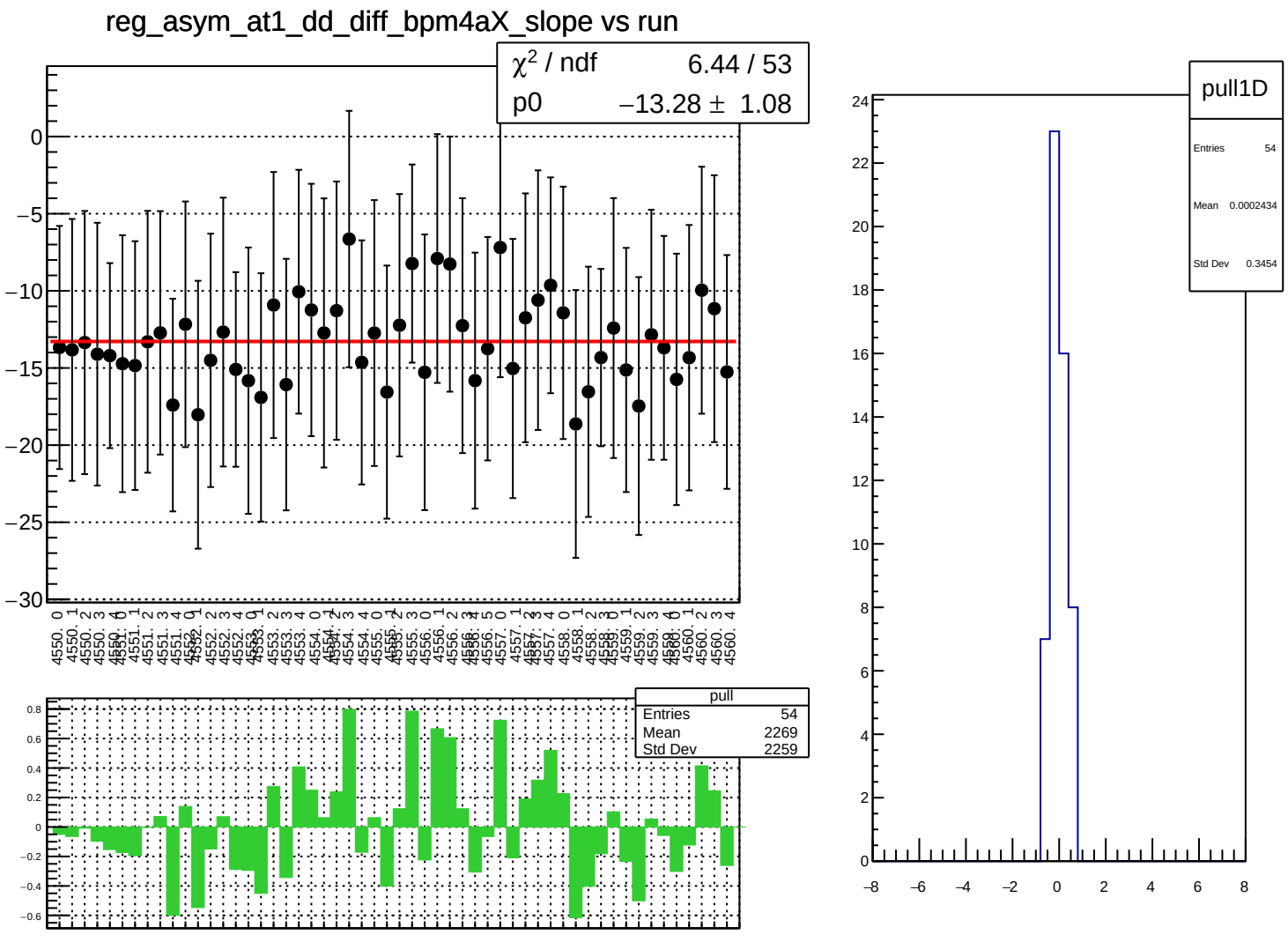

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.85 / 53
p0 −58.87 ± 0.1431
pull
Entries 54
Mean 39.63
Std Dev 60.58

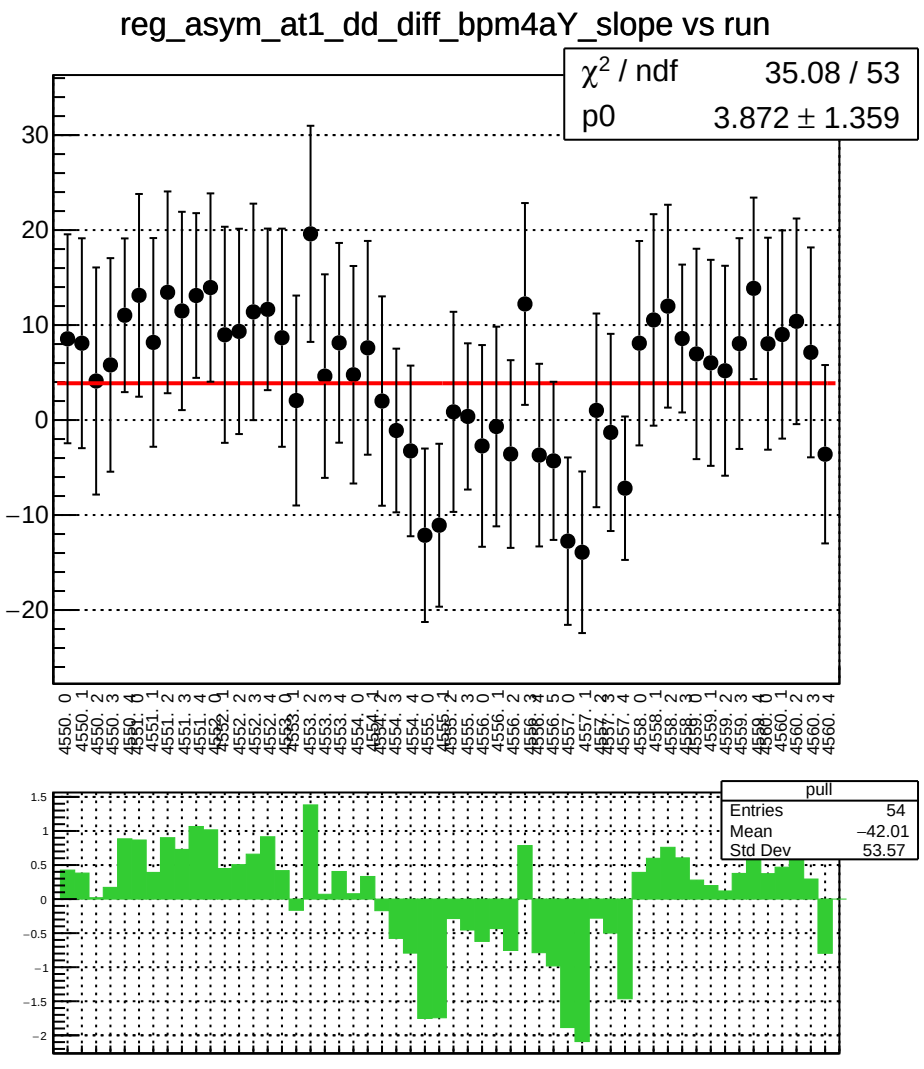

pull1D
Entries 54
Mean −0.01754
Std Dev 0.6643

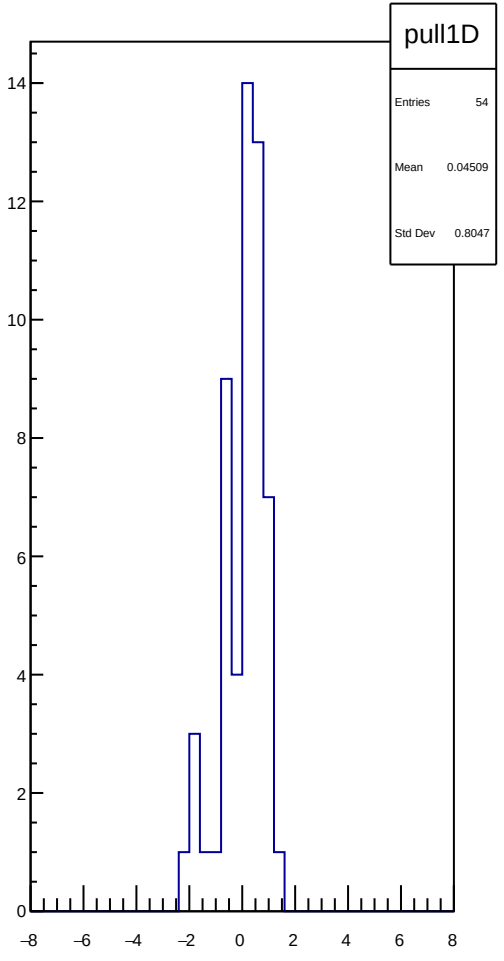

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 111.5 / 53
p0 −4.666 ± 1.465
pull
Entries 54
Mean −14.1
Std Dev 12.88
pull1D
Entries 54
Mean 0.1049
Std Dev 1.433

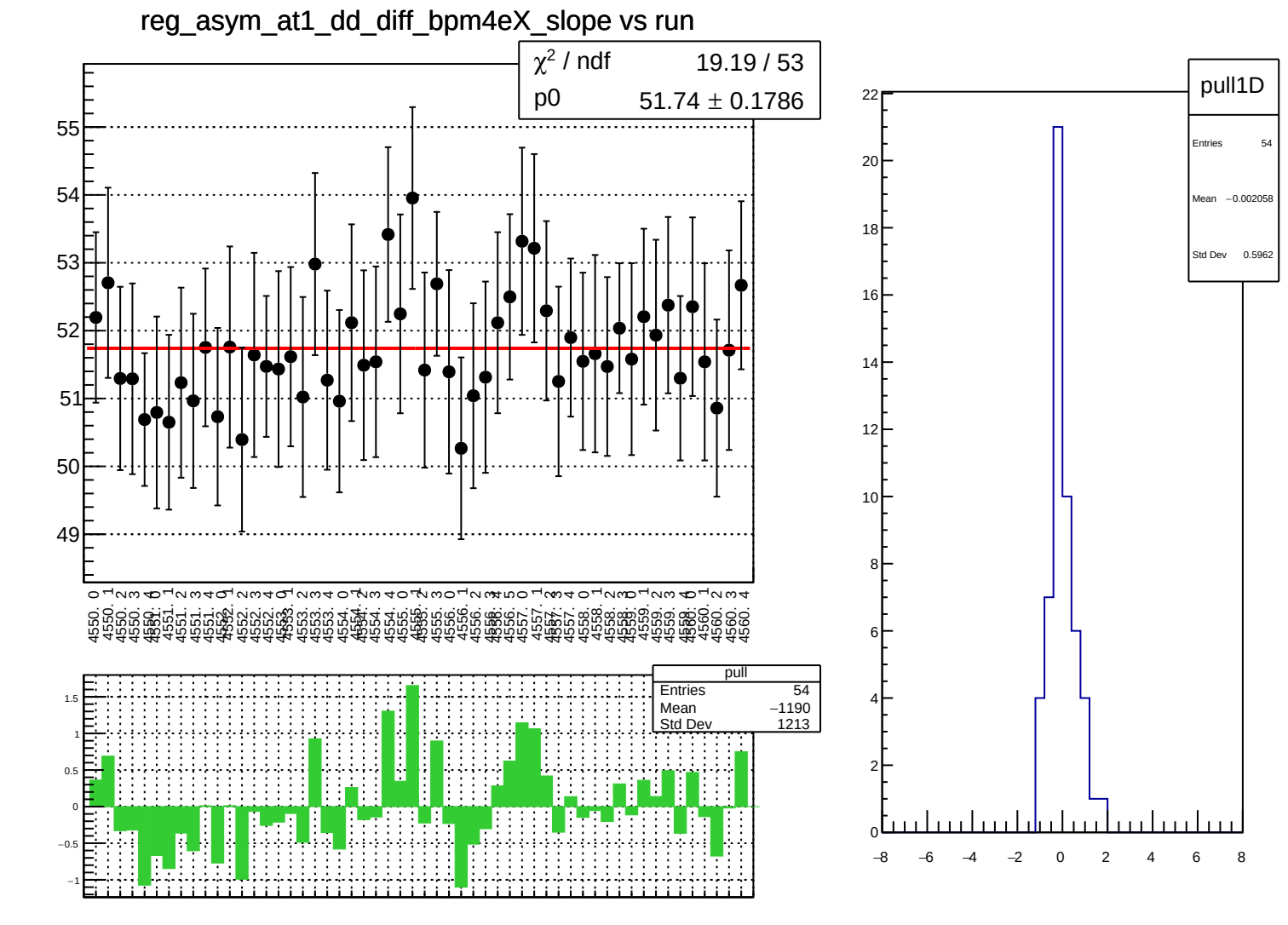

reg_asym_at1_avg_diff_bpm11X_slope vs run
χ² / ndf 19.43 / 53
p0 −165.1 ± 0.291
pull
Entries 54
Mean −863.9
Std Dev 885.2

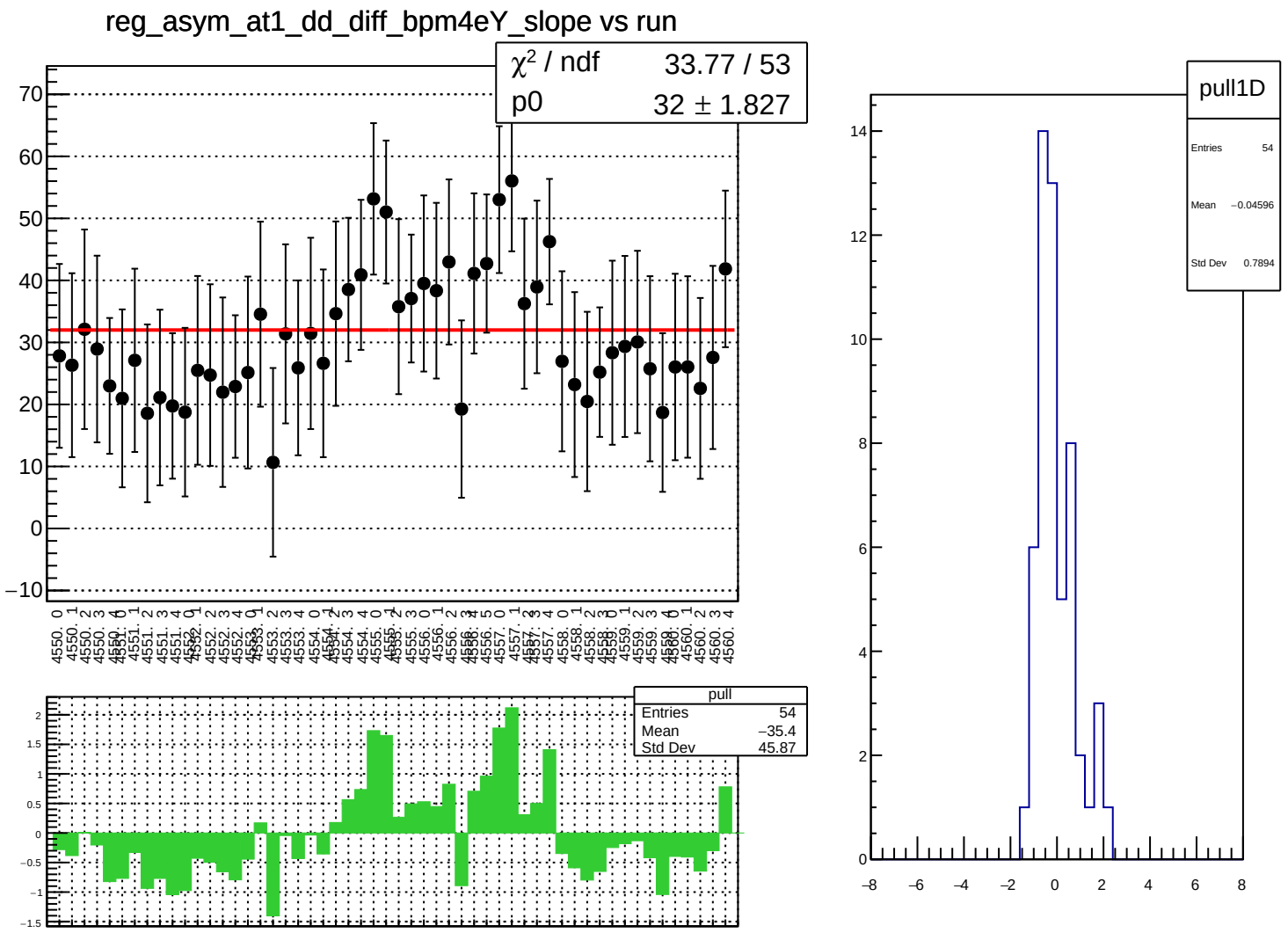

pull1D
Entries 54
Mean 0.004897
Std Dev 0.5998

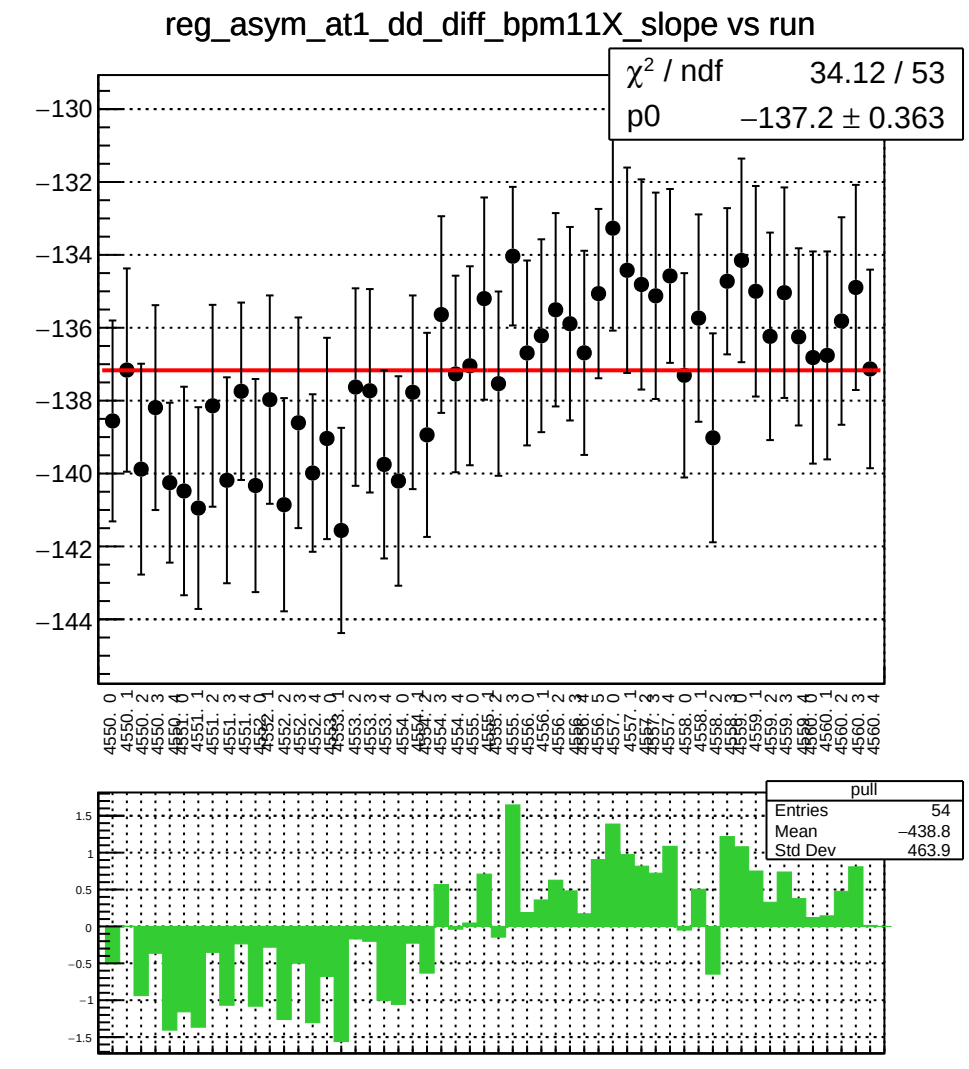

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 6.44 / 53
p0 −13.28 ± 1.08
pull
Entries 54
Mean 2269
Std Dev 2259
pull1D
Entries 54
Mean 0.0002434
Std Dev 0.3454

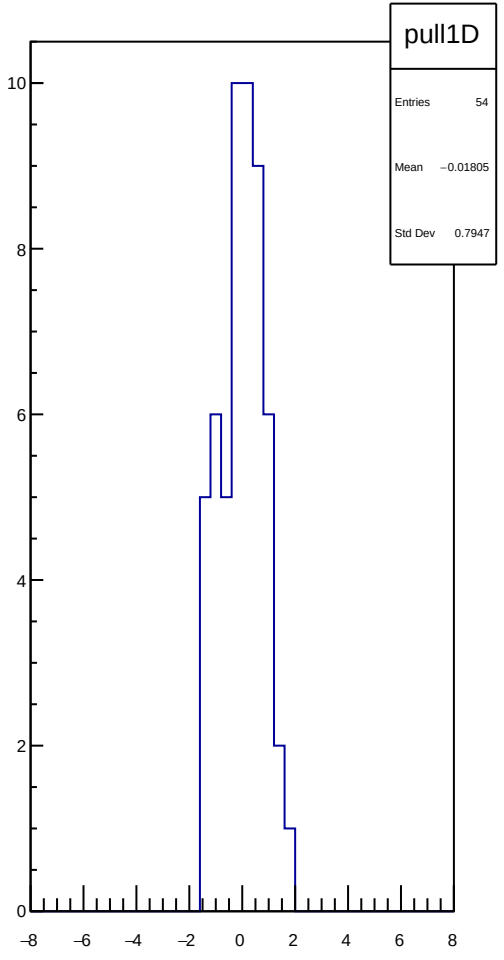

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.08 / 53
p0 3.872 ± 1.359
pull
Entries 54
Mean −42.01
Std Dev 53.57

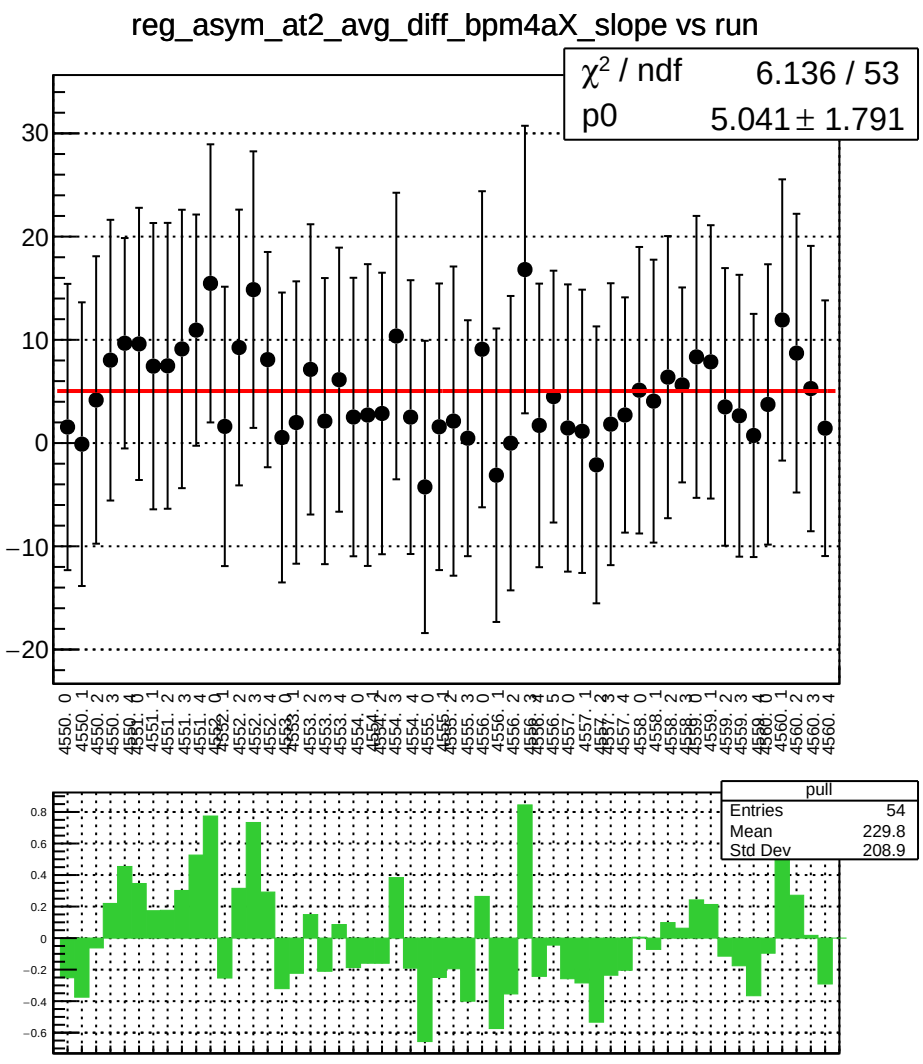

pull1D
Entries 54
Mean 0.04509
Std Dev 0.8047

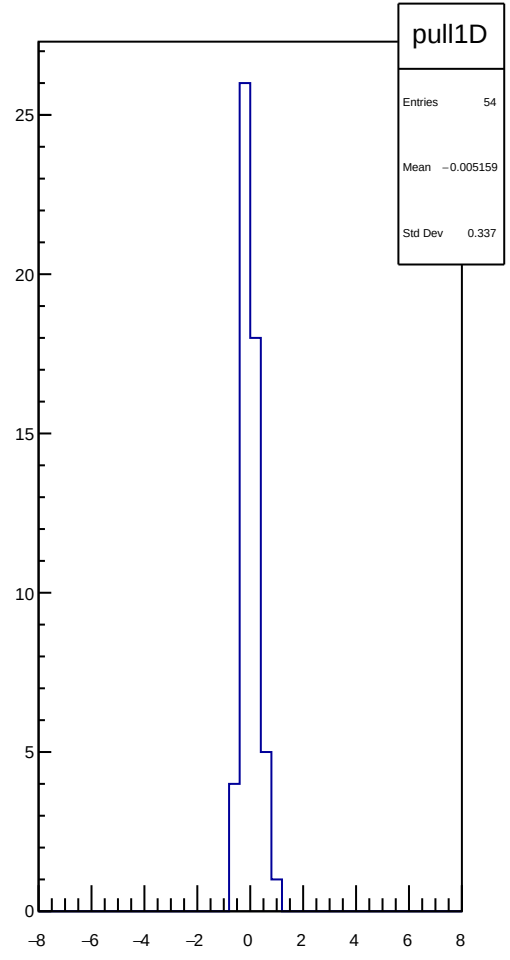

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.19 / 53
p0 51.74 ± 0.1786
pull
Entries 54
Mean −1190
Std Dev 1213
pull1D
Entries 54
Mean −0.002058
Std Dev 0.5962

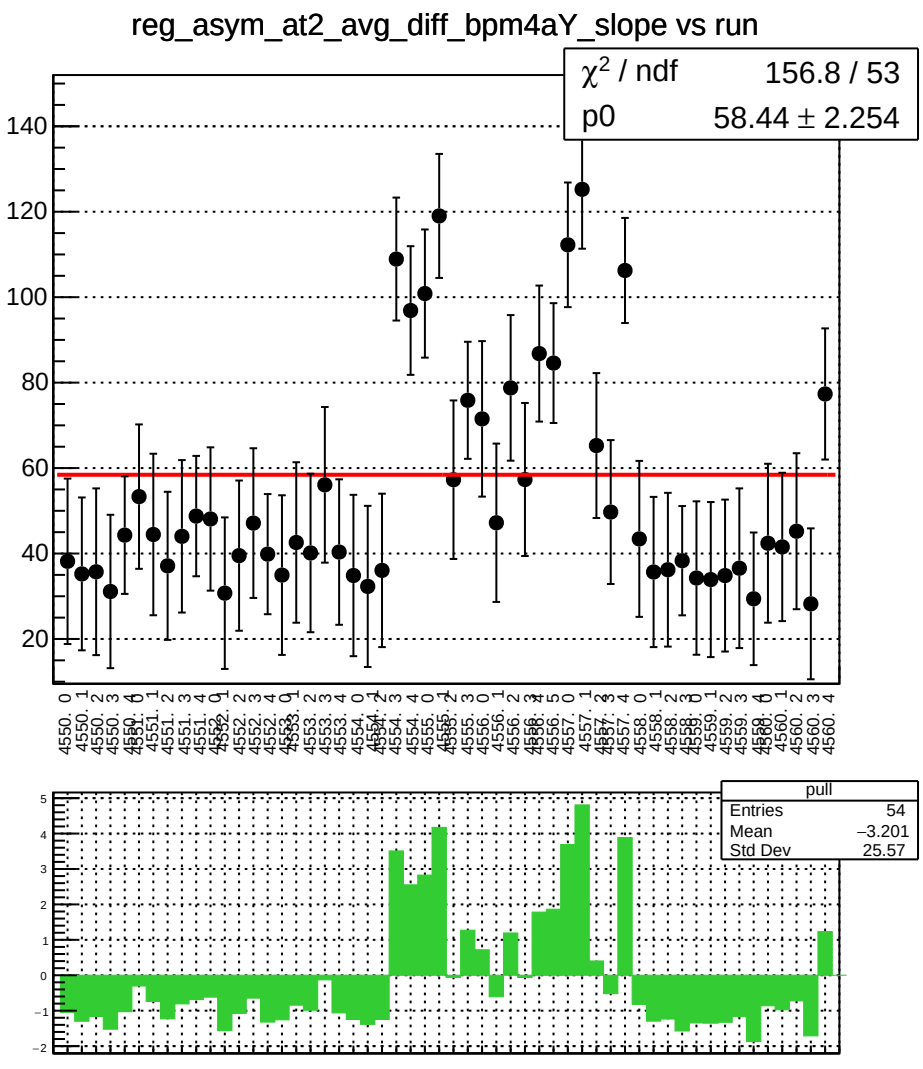

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.77 / 53
p0 32 ± 1.827
pull
Entries 54
Mean −35.4
Std Dev 45.87
pull1D
Entries 54
Mean −0.04596
Std Dev 0.7894

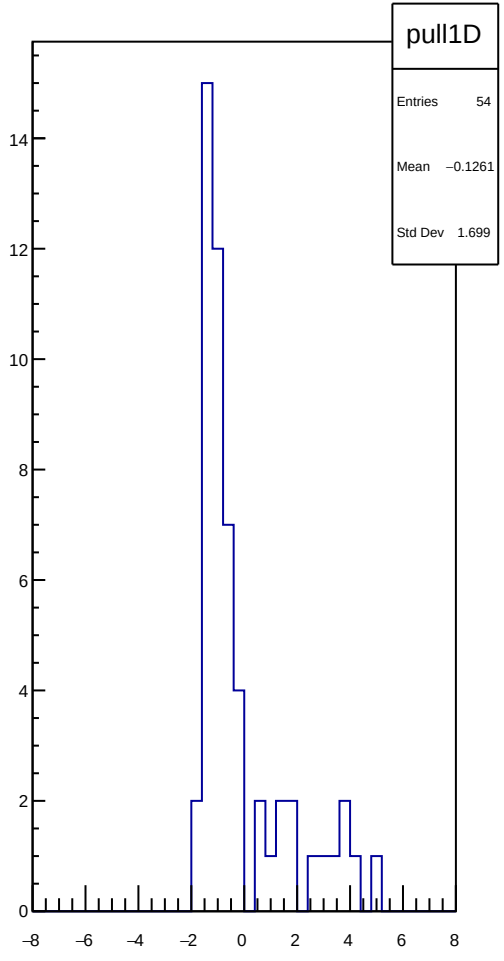

reg_asym_at1_dd_diff_bpm11X_slope vs run
χ² / ndf 34.12 / 53
p0 −137.2 ± 0.363
pull
Entries 54
Mean −438.8
Std Dev 463.9

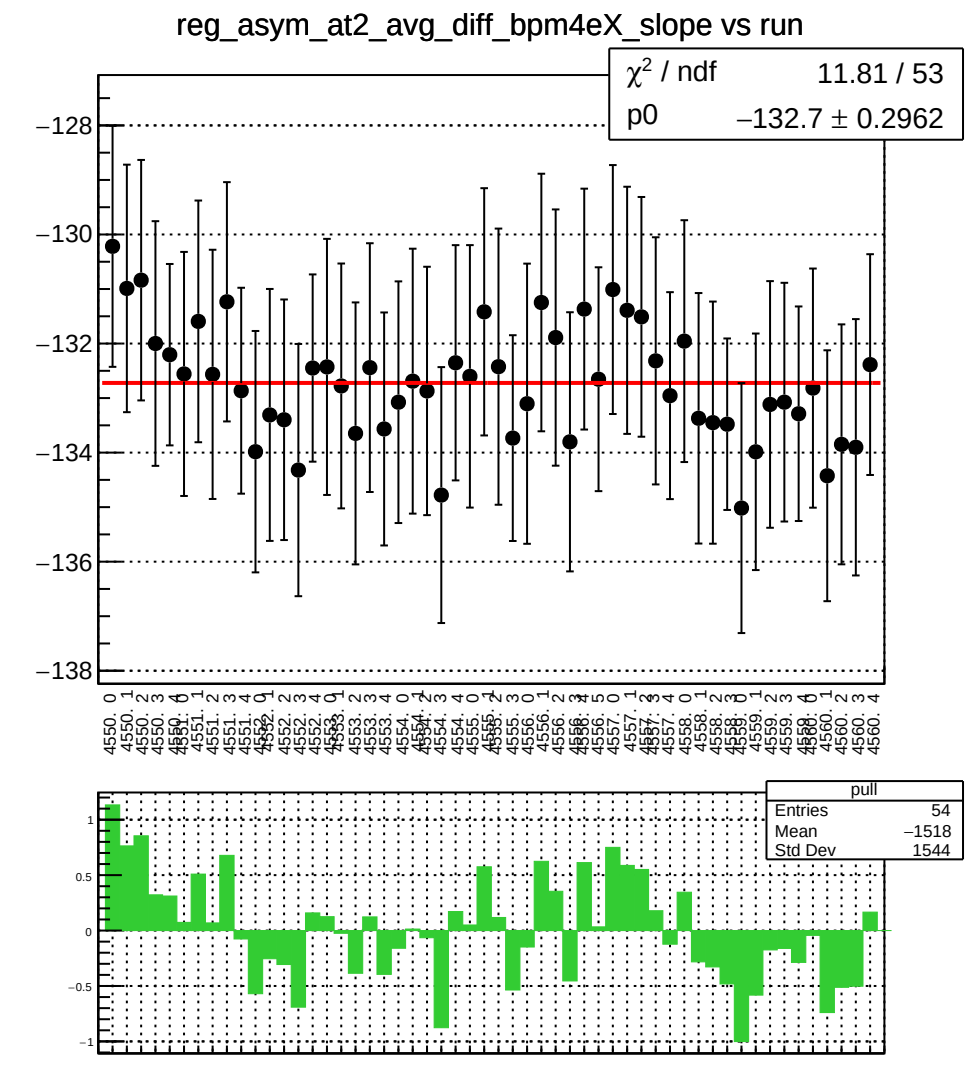

pull1D
Entries 54
Mean −0.01805
Std Dev 0.7947

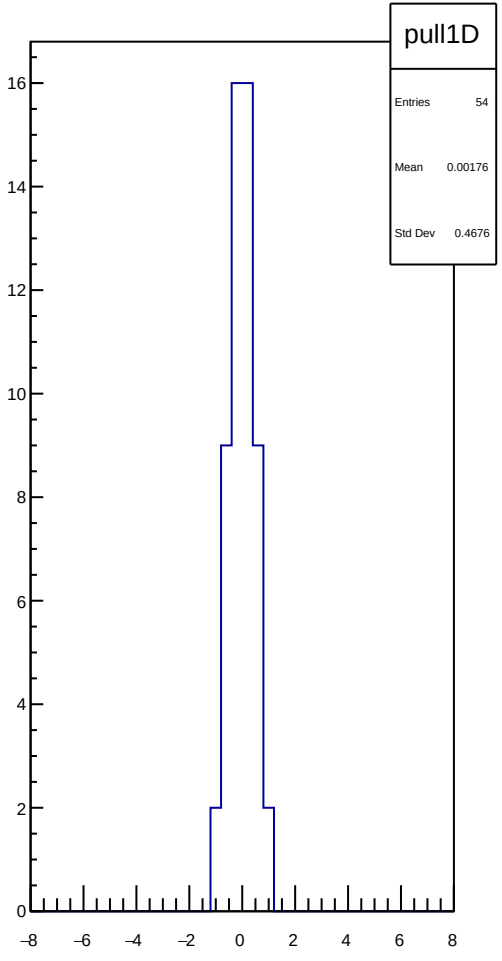

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 6.136 / 53
p0 5.041 ± 1.791
pull
Entries 54
Mean 229.8
Std Dev 208.9

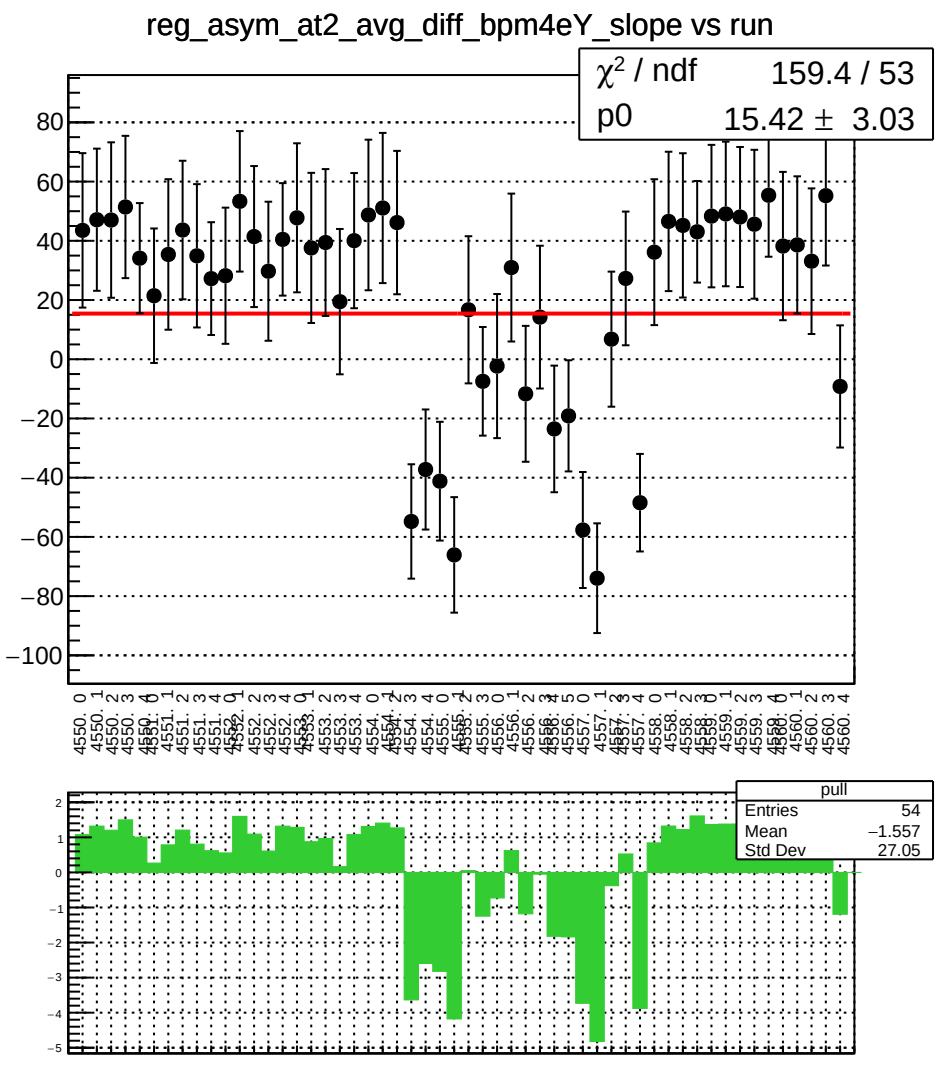

pull1D
Entries 54
Mean −0.005159
Std Dev 0.337

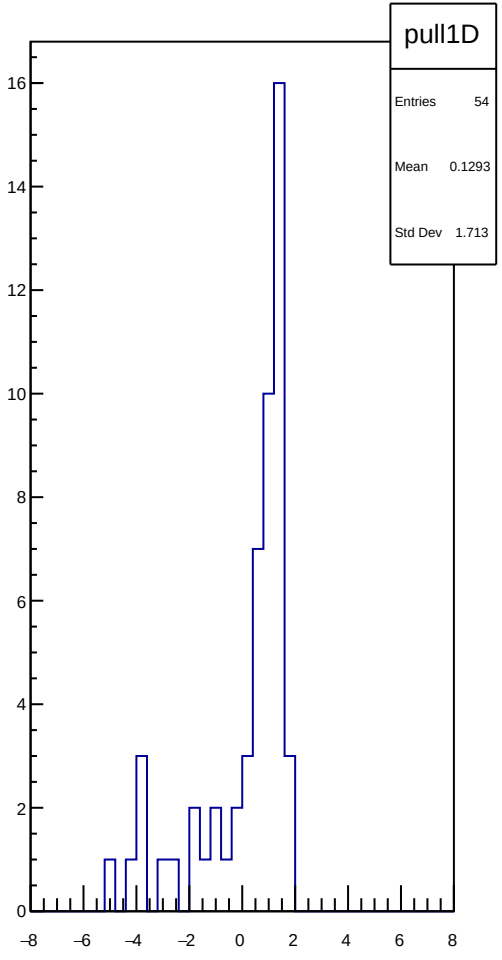

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 156.8 / 53
p0 58.44 ± 2.254
pull
Entries 54
Mean −3.201
Std Dev 25.57

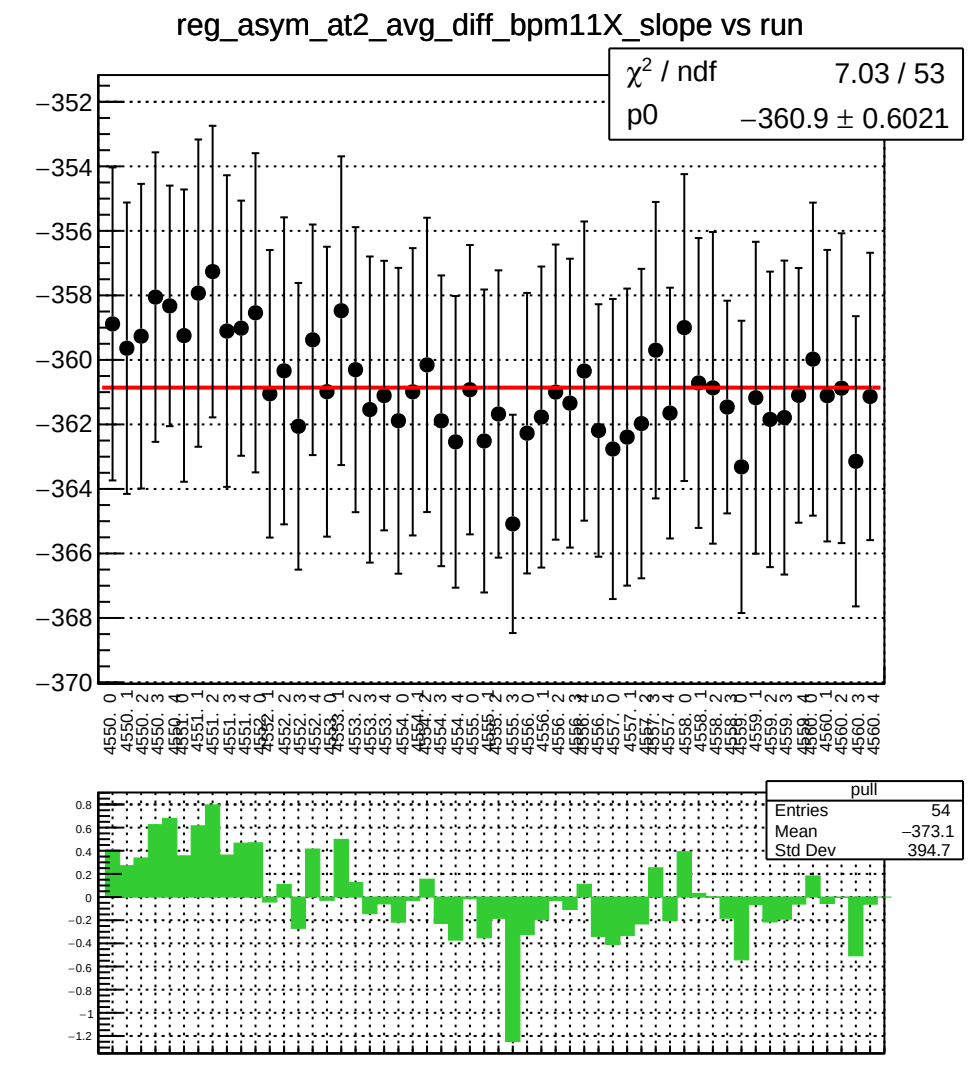

pull1D
Entries 54
Mean −0.1261
Std Dev 1.699

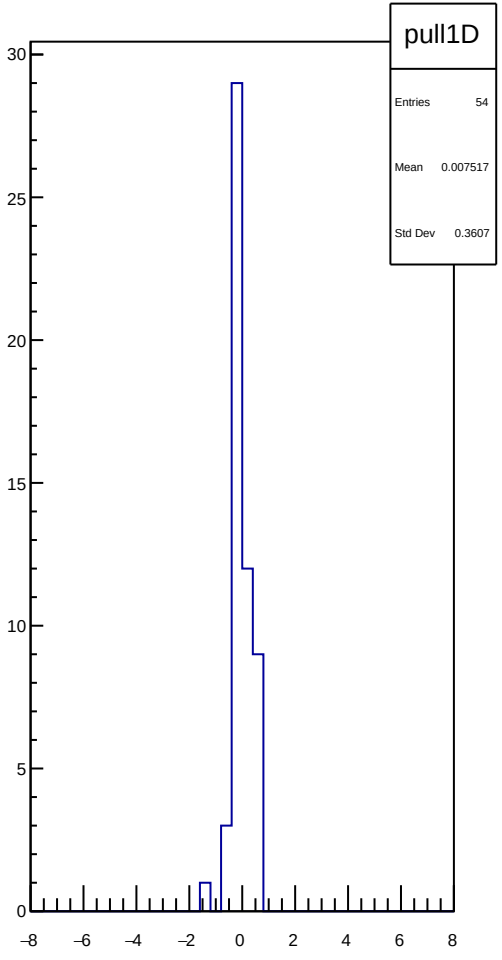

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.81 / 53
p0 −132.7 ± 0.2962
pull
Entries 54
Mean −1518
Std Dev 1544

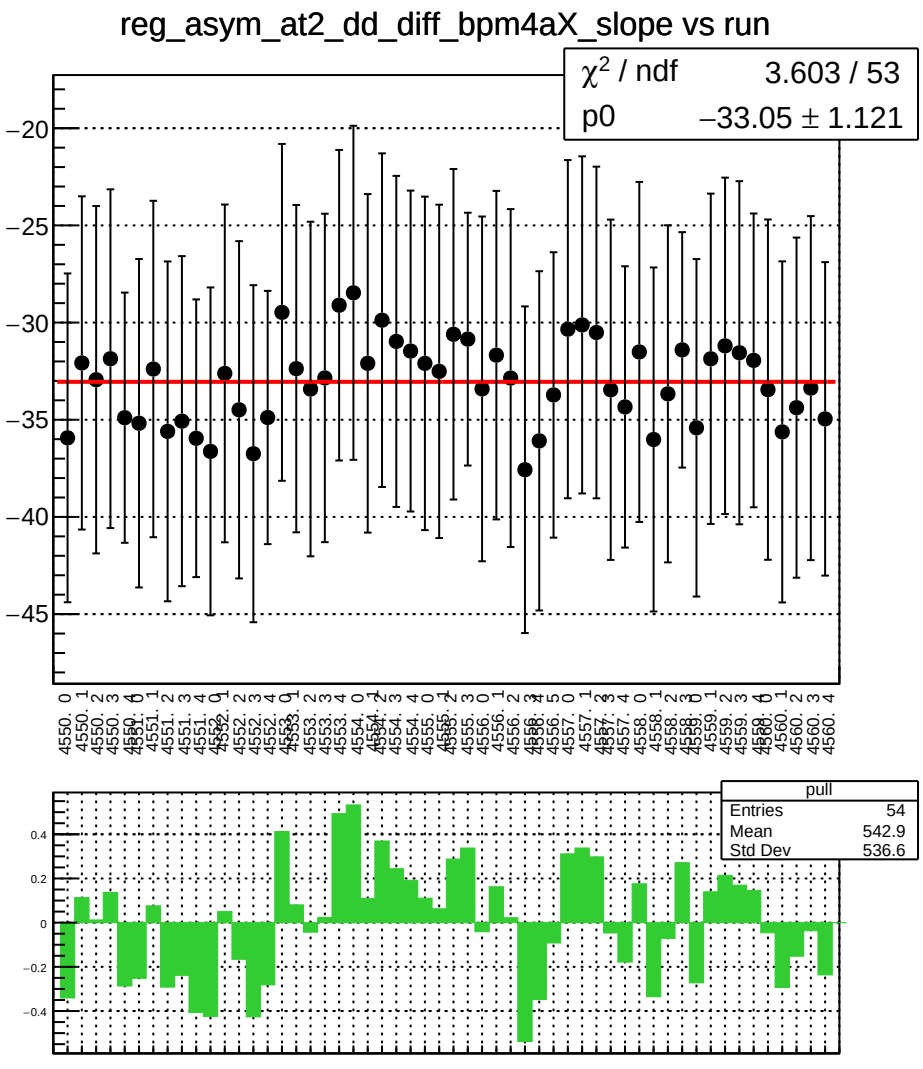

pull1D
Entries 54
Mean 0.00176
Std Dev 0.4676

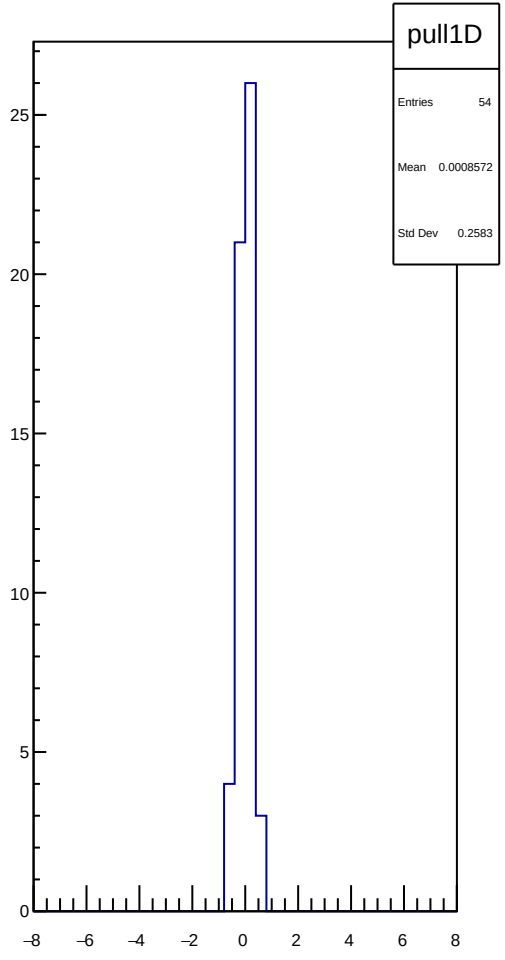

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 159.4 / 53
p0 15.42 ± 3.03
pull
Entries 54
Mean −1.557
Std Dev 27.05

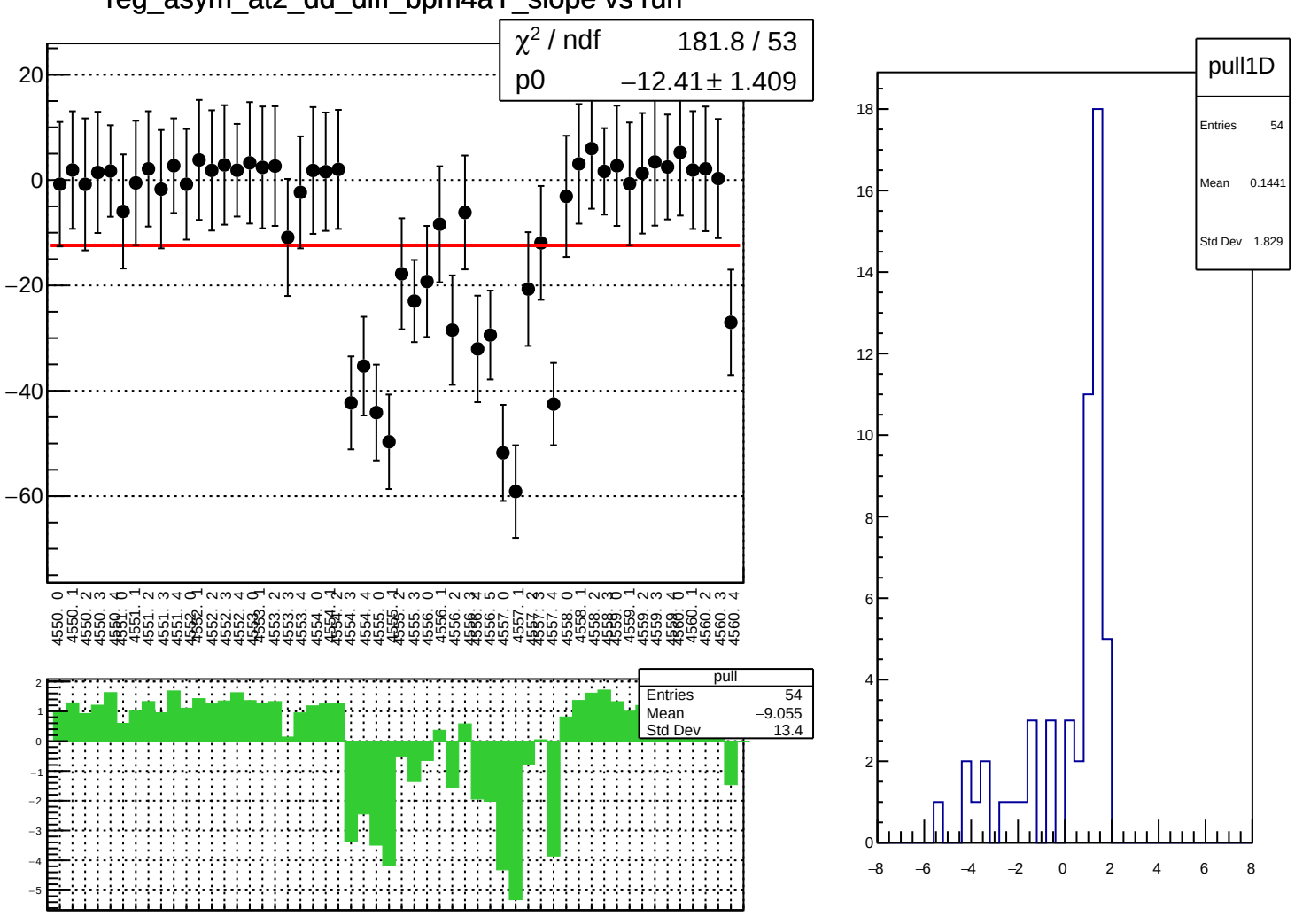

pull1D
Entries 54
Mean 0.1293
Std Dev 1.713

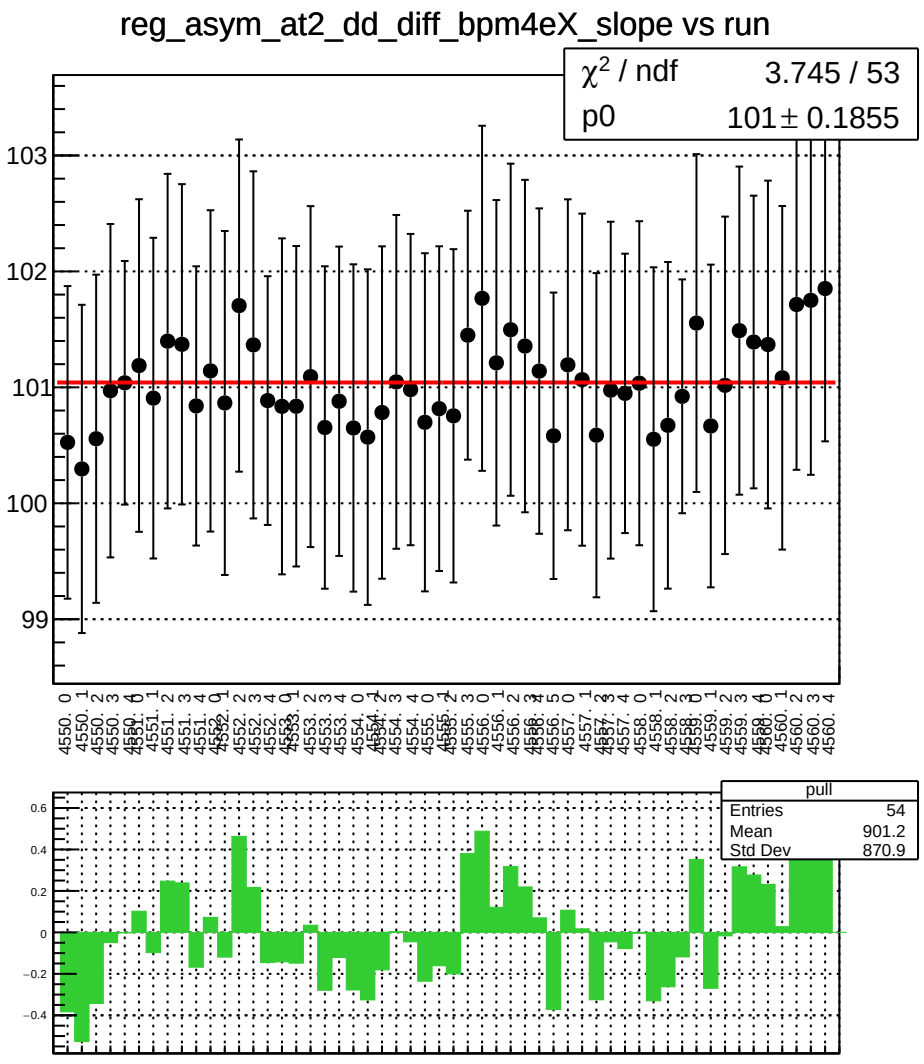

reg_asym_at2_avg_diff_bpm11X_slope vs run
χ² / ndf 7.03 / 53
p0 −360.9 ± 0.6021
pull
Entries 54
Mean −373.1
Std Dev 394.7

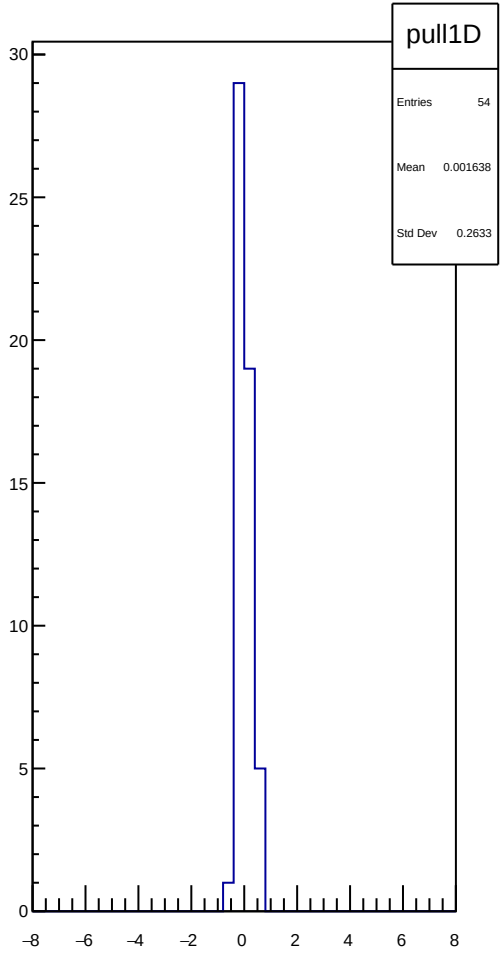

pull1D
Entries 54
Mean 0.007517
Std Dev 0.3607

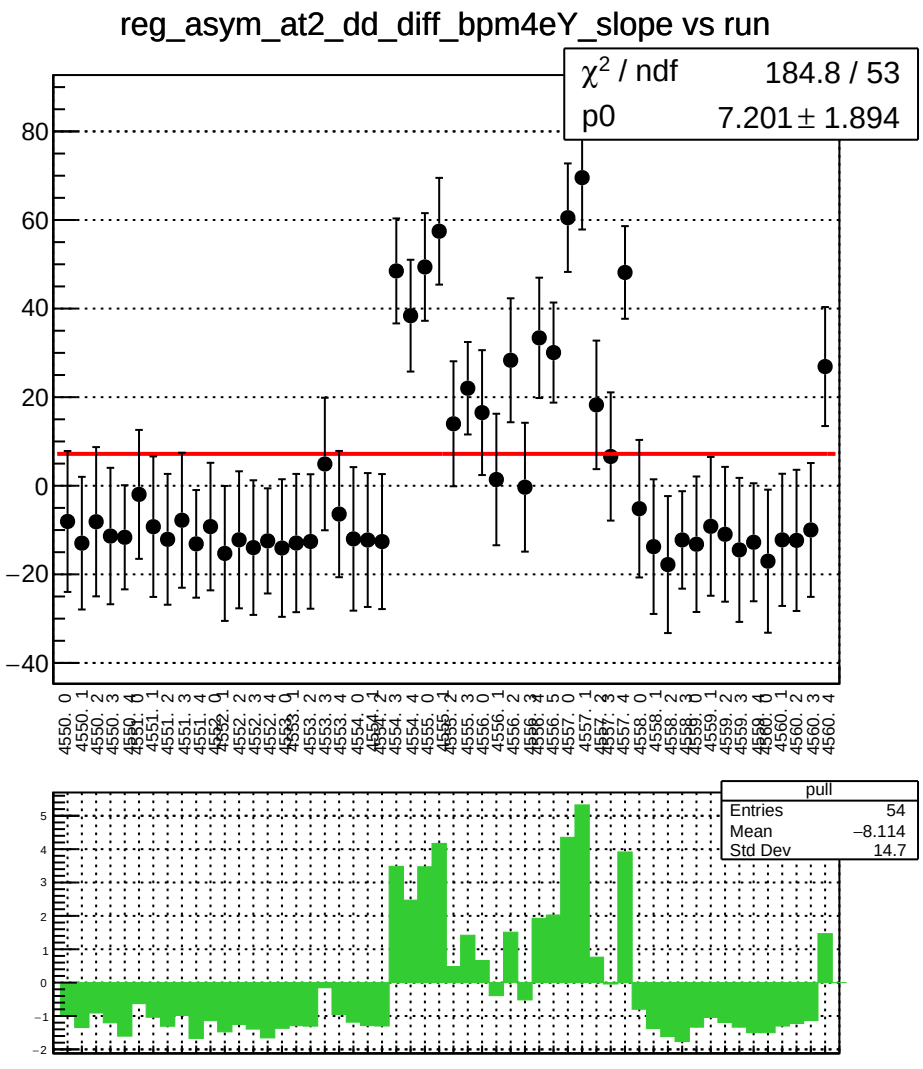

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.603 / 53
p0 −33.05 ± 1.121
pull
Entries 54
Mean 542.9
Std Dev 536.6

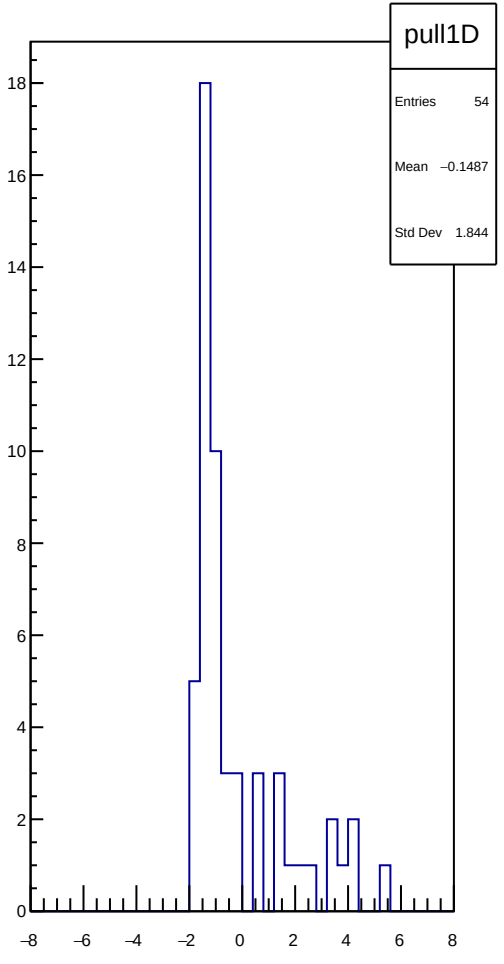

pull1D
Entries 54
Mean 0.0008572
Std Dev 0.2583

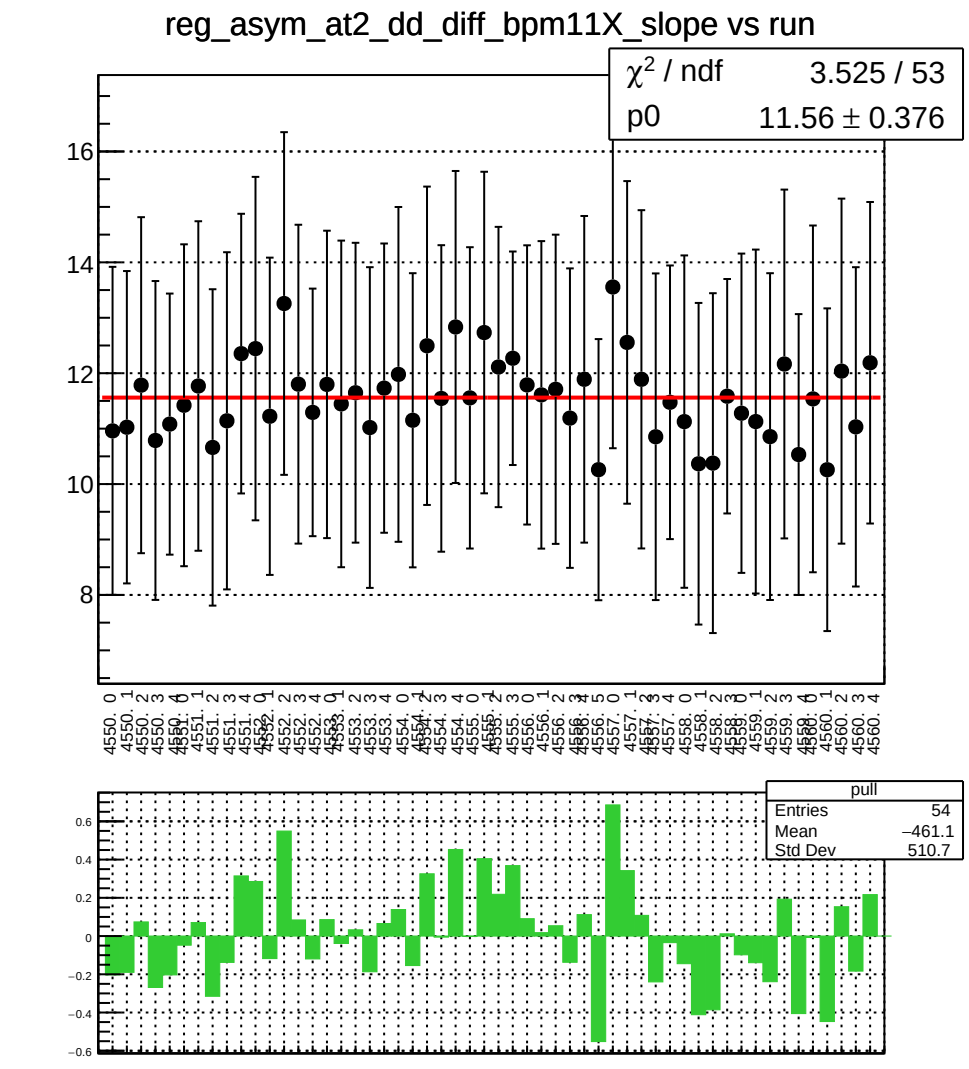

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 181.8 / 53
p0 −12.41± 1.409
pull
Entries 54
Mean −9.055
Std Dev 13.4
pull1D
Entries 54
Mean 0.1441
Std Dev 1.829

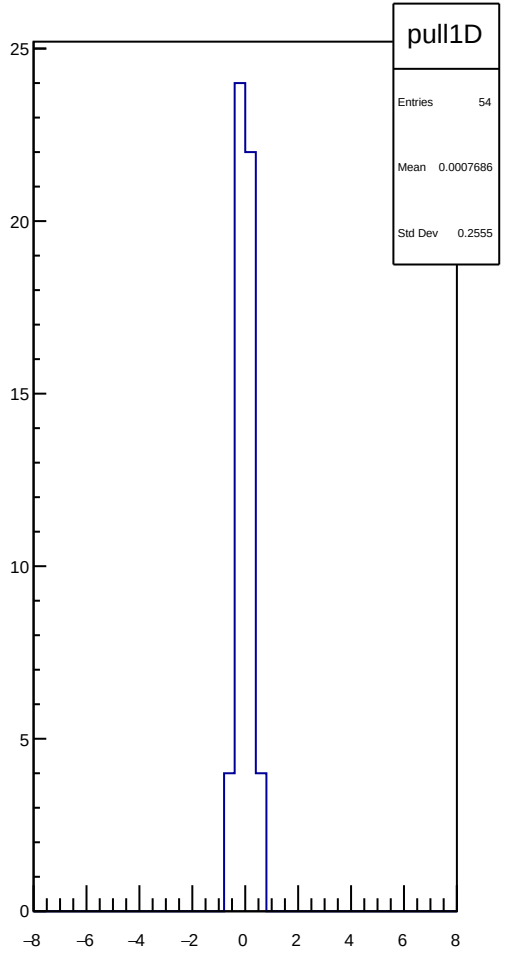

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.745 / 53
p0 101 ± 0.1855
pull
Entries 54
Mean 901.2
Std Dev 870.9

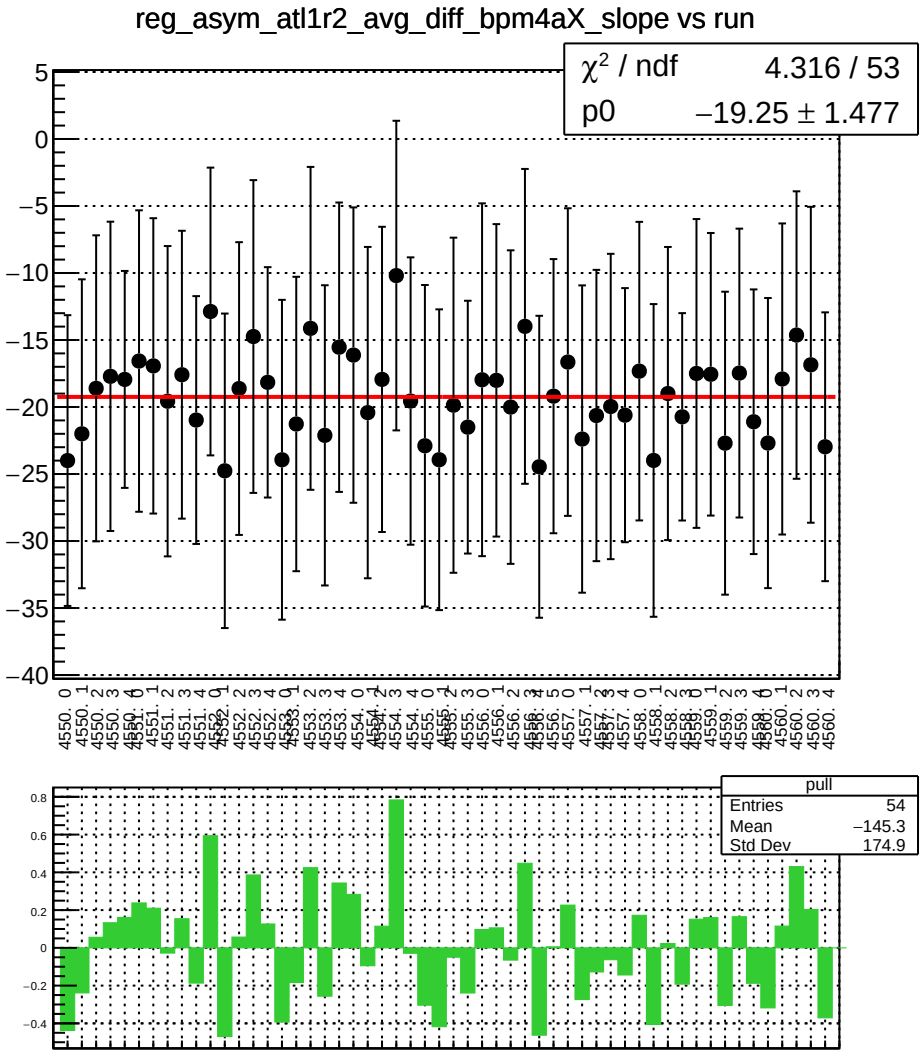

pull1D
Entries 54
Mean 0.001638
Std Dev 0.2633

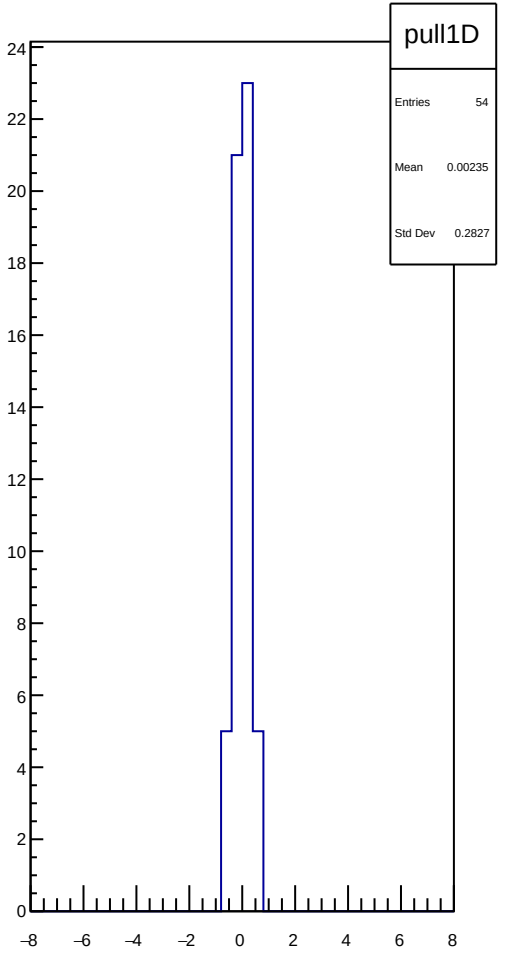

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 184.8 / 53
p0 7.201 ± 1.894
pull
Entries 54
Mean −8.114
Std Dev 14.7

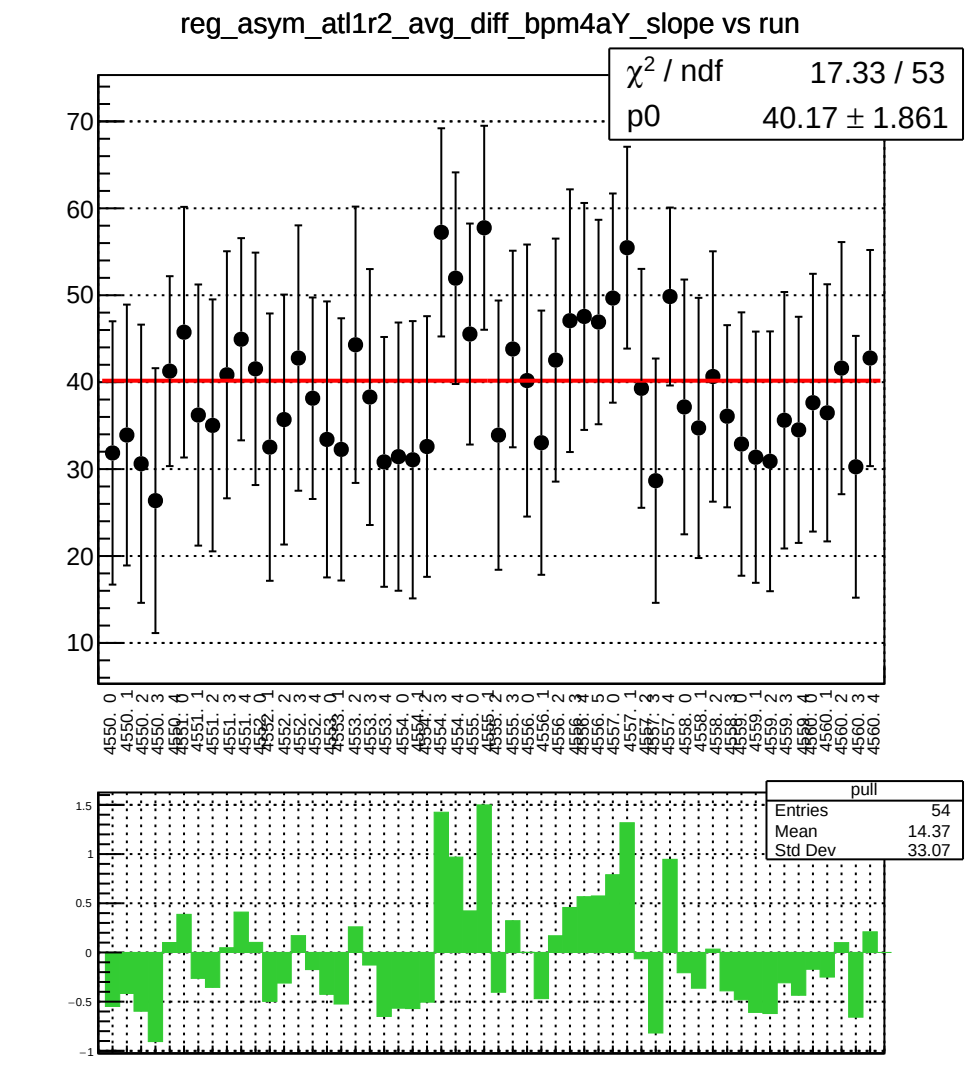

pull1D
Entries 54
Mean −0.1487
Std Dev 1.844

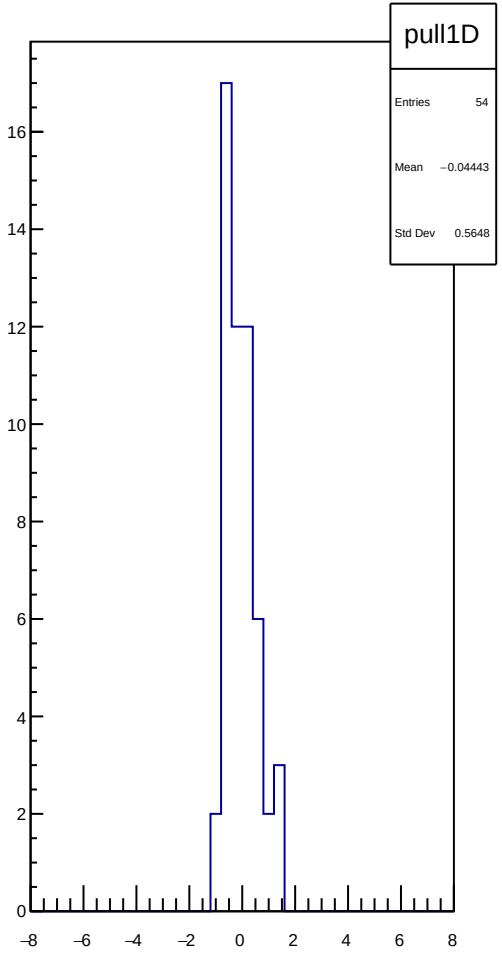

reg_asym_at2_dd_diff_bpm11X_slope vs run
χ² / ndf 3.525 / 53
p0 11.56 ± 0.376
pull
Entries 54
Mean −461.1
Std Dev 510.7

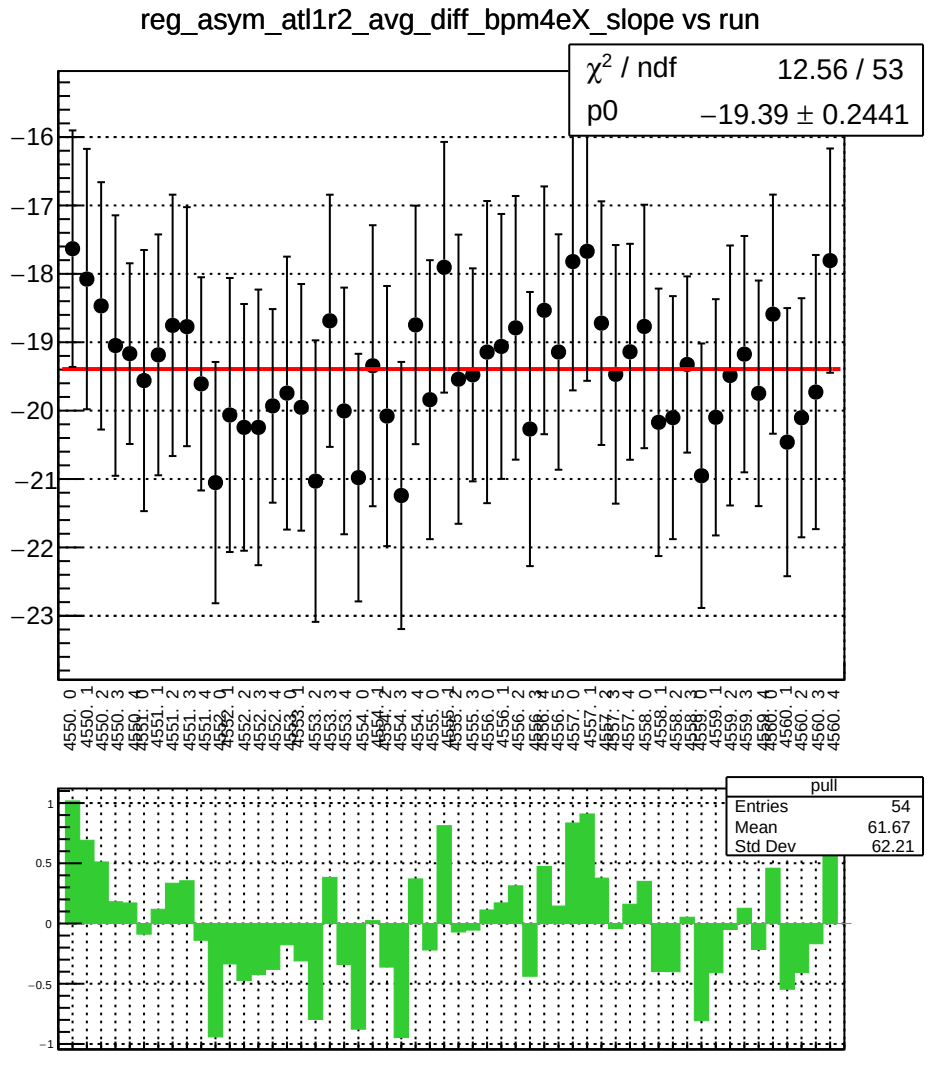

pull1D
Entries 54
Mean 0.0007686
Std Dev 0.2555

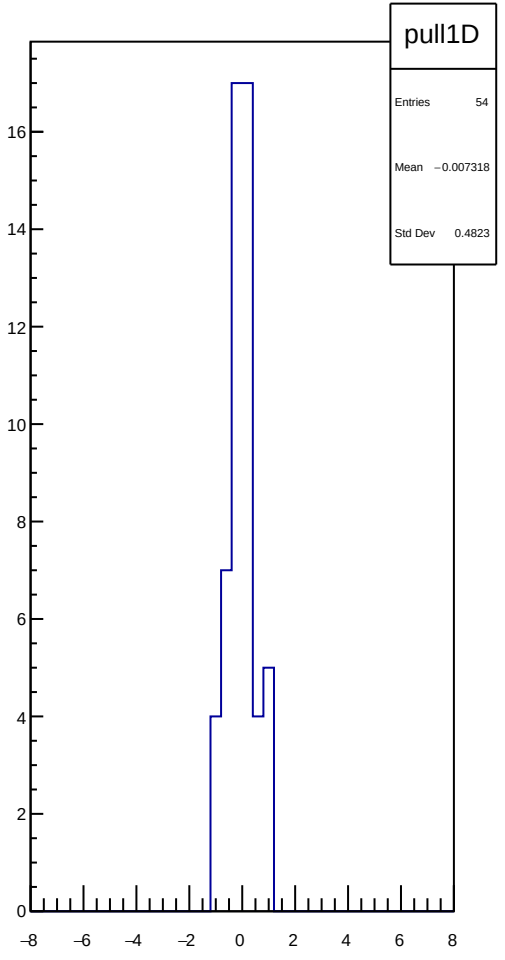

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.316 / 53
p0 −19.25 ± 1.477
pull
Entries 54
Mean −145.3
Std Dev 174.9

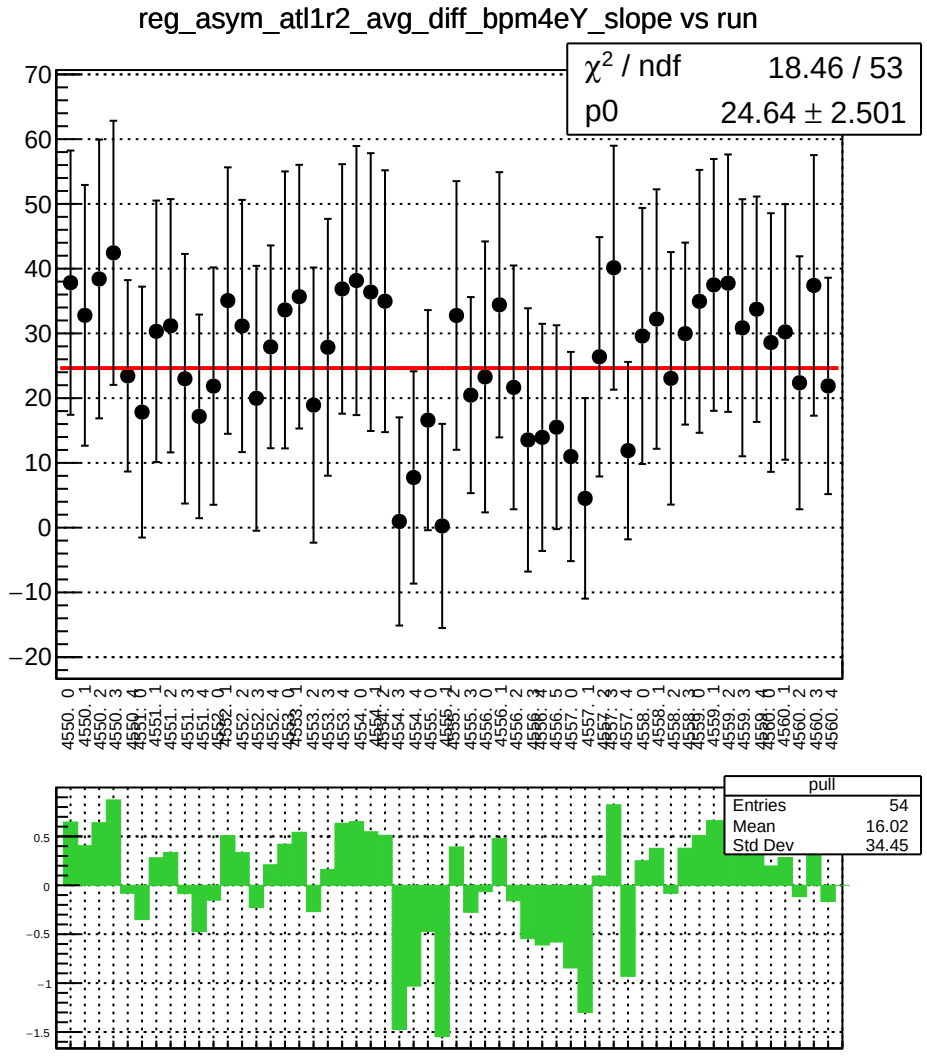

pull1D
Entries 54
Mean 0.00235
Std Dev 0.2827

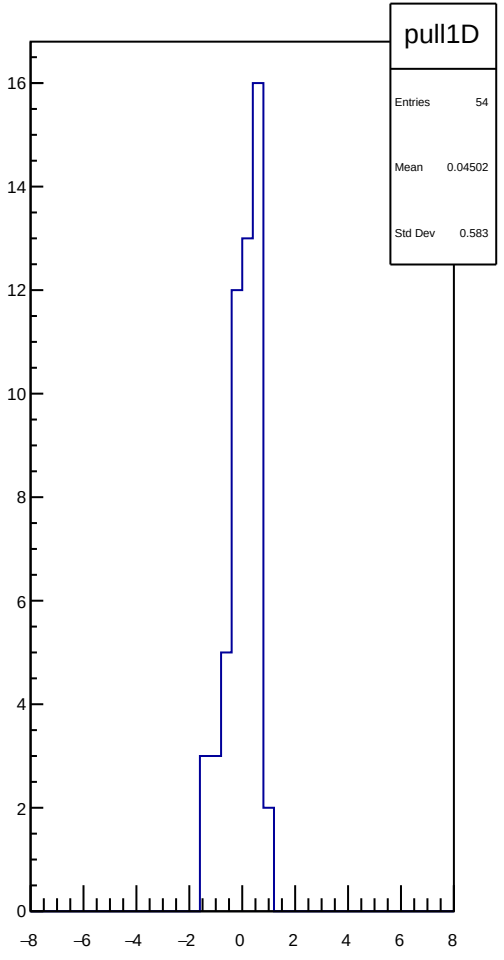

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.33 / 53
p0 40.17 ± 1.861
pull
Entries 54
Mean 14.37
Std Dev 33.07

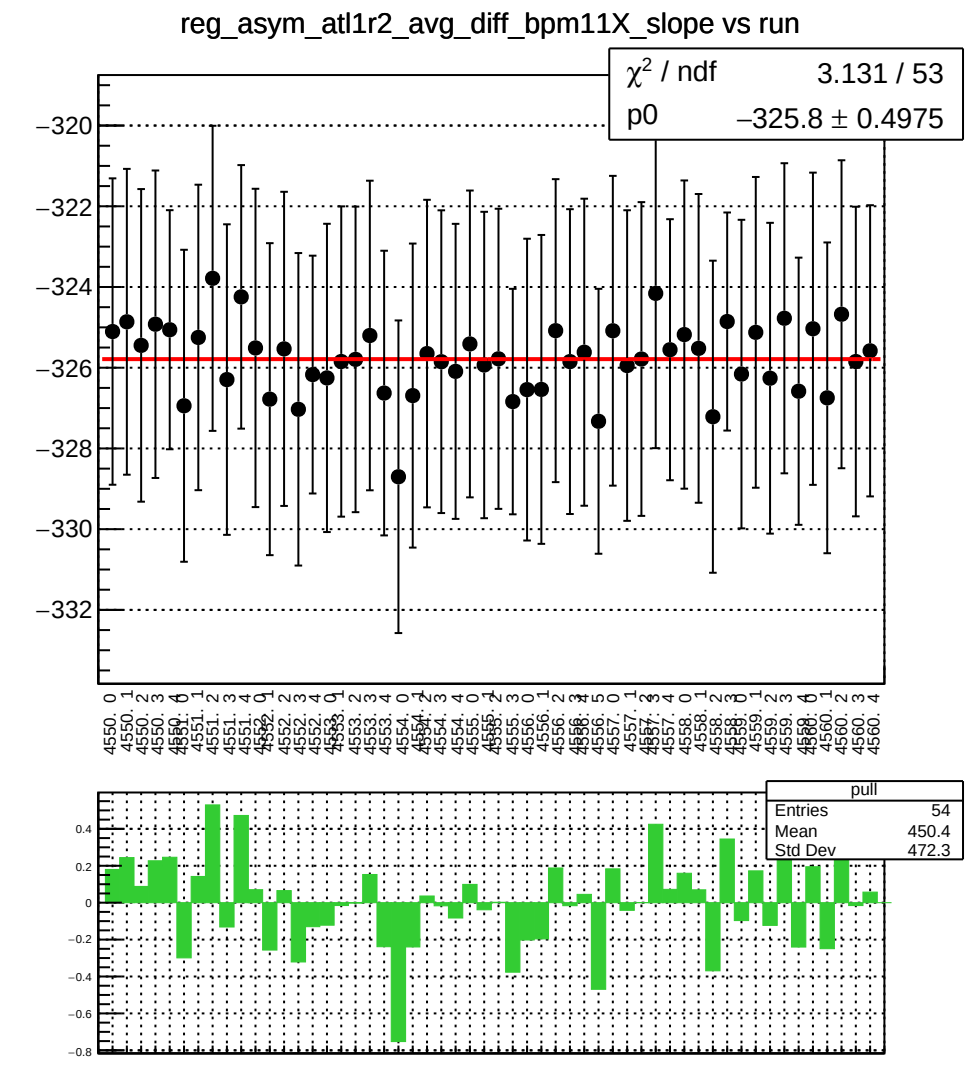

pull1D
Entries 54
Mean −0.04443
Std Dev 0.5648

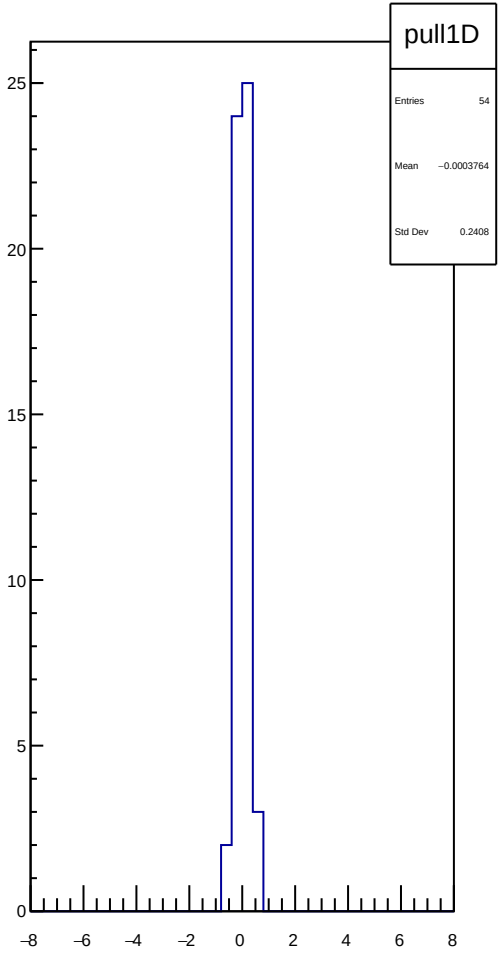

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.56 / 53
p0 −19.39 ± 0.2441
pull
Entries 54
Mean 61.67
Std Dev 62.21

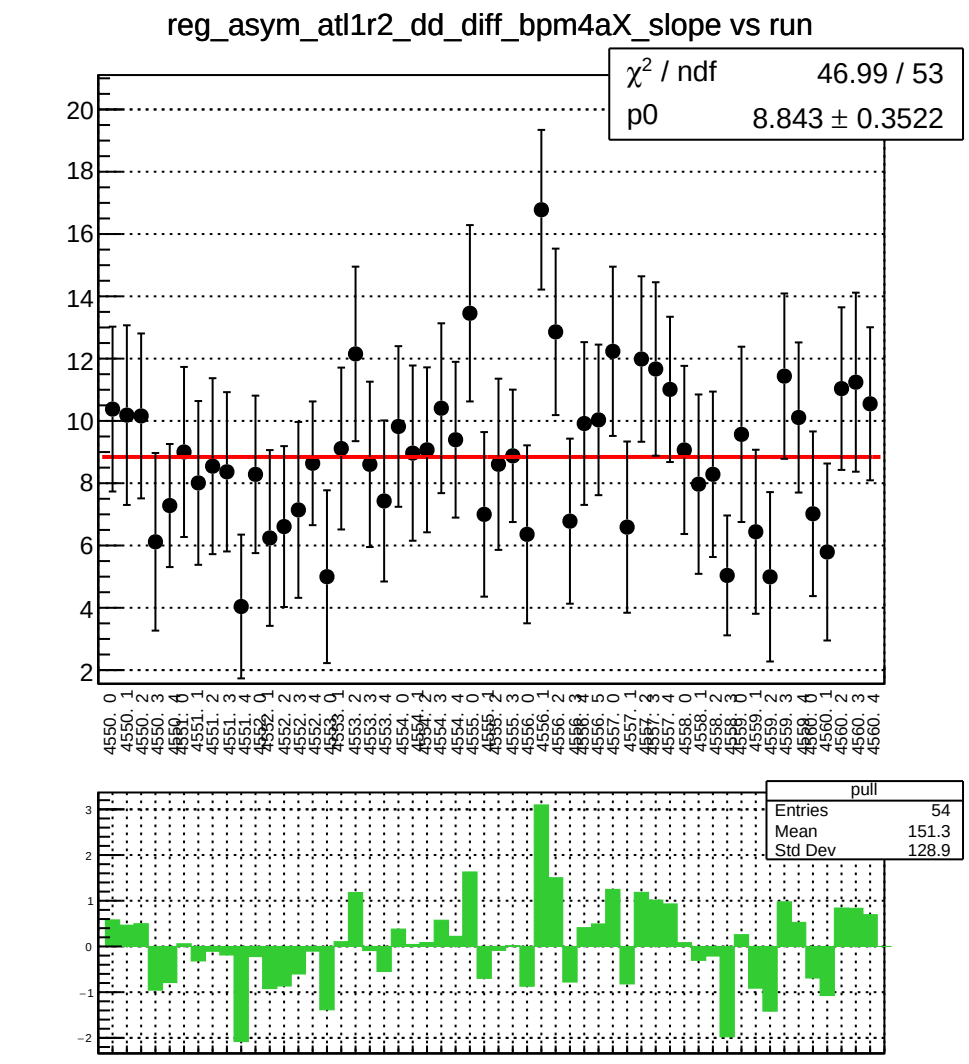

pull1D
Entries 54
Mean −0.007318
Std Dev 0.4823

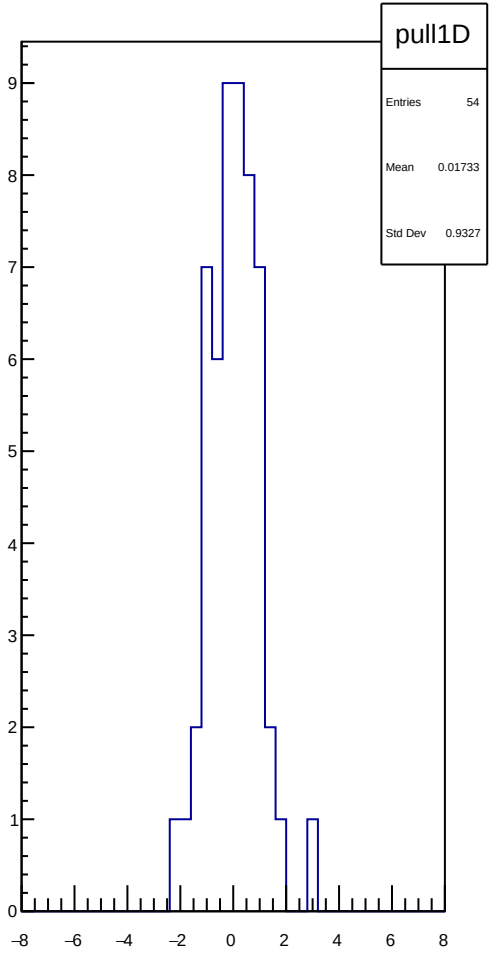

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.46 / 53
p0 24.64 ± 2.501
pull
Entries 54
Mean 16.02
Std Dev 34.45

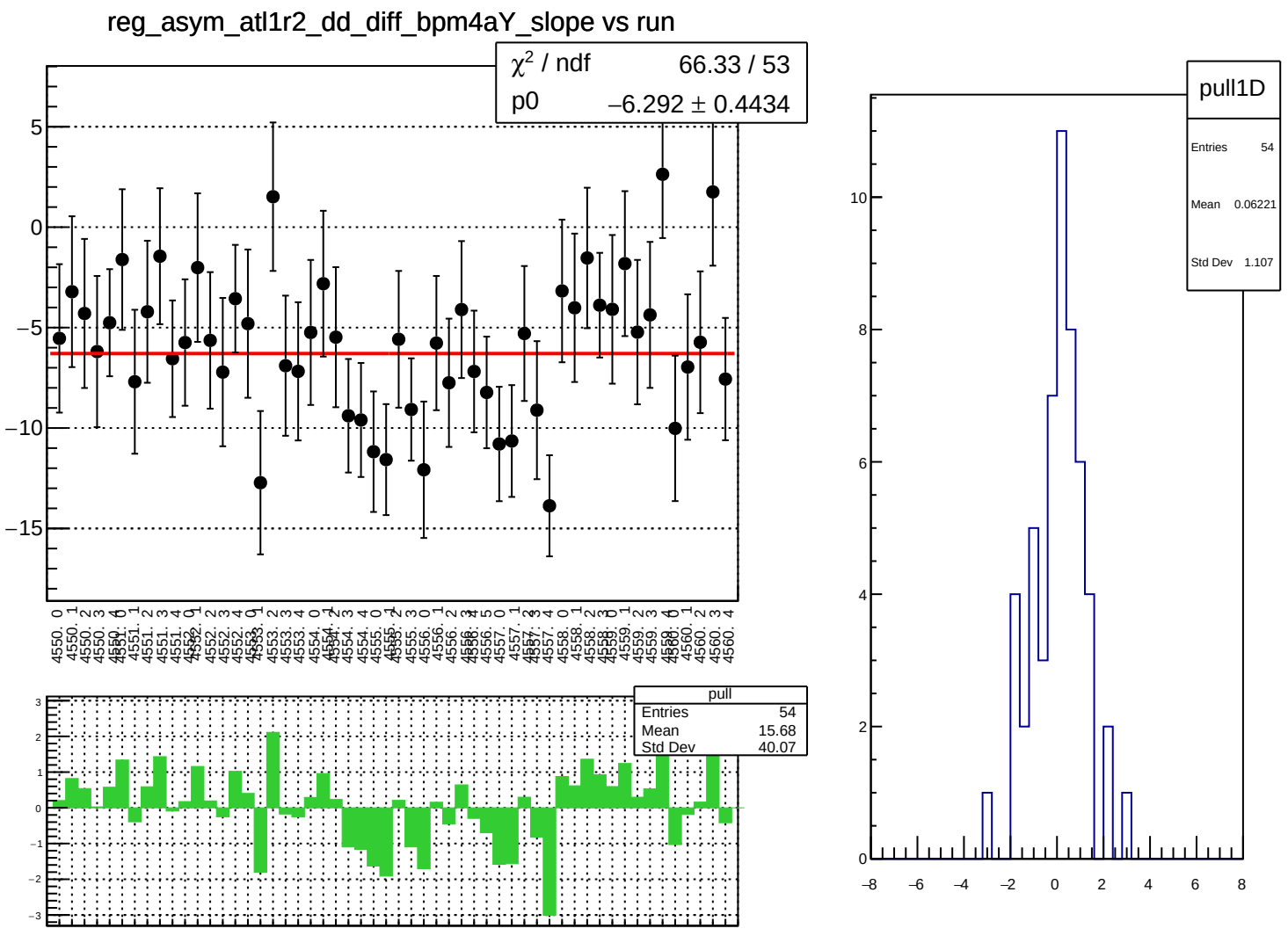

pull1D
Entries 54
Mean 0.04502
Std Dev 0.583

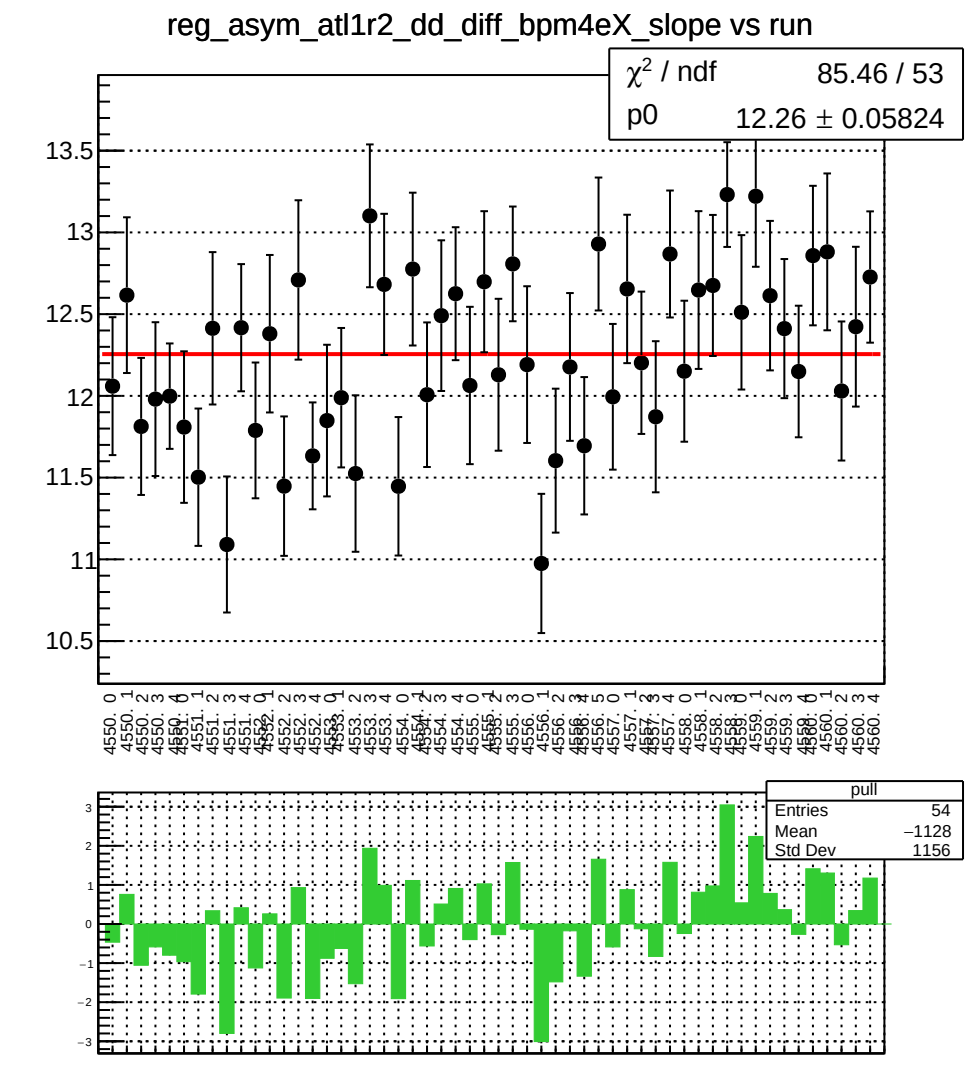

reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ² / ndf 3.131 / 53
p0 −325.8 ± 0.4975
pull
Entries 54
Mean 450.4
Std Dev 472.3

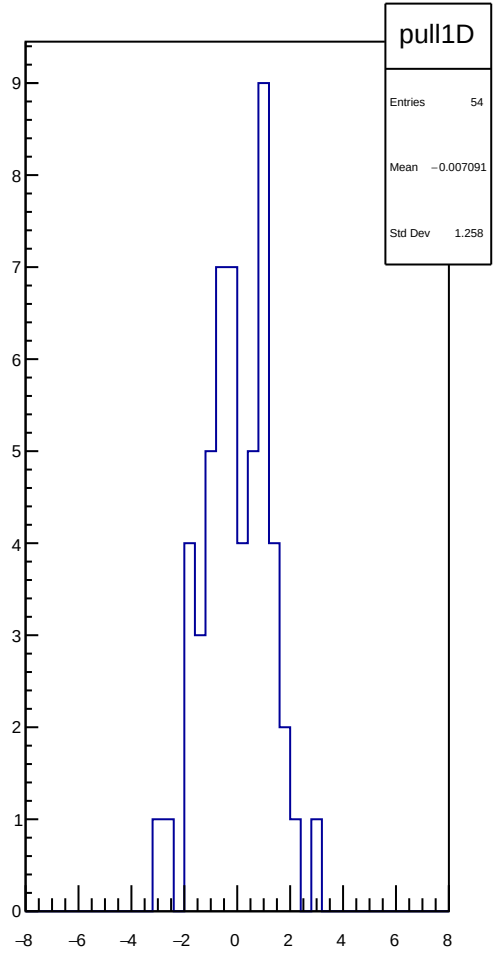

pull1D
Entries 54
Mean −0.0003764
Std Dev 0.2408

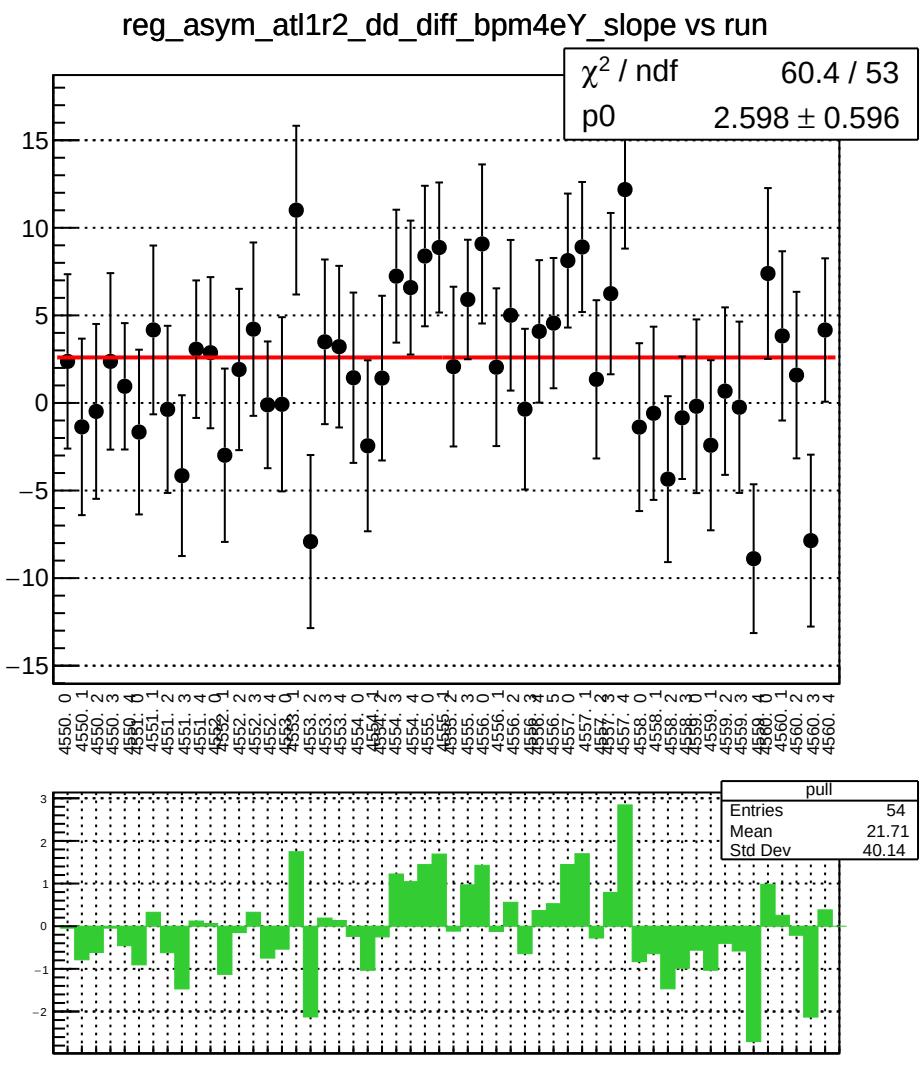

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 46.99 / 53
p0 8.843 ± 0.3522
pull
Entries 54
Mean 151.3
Std Dev 128.9

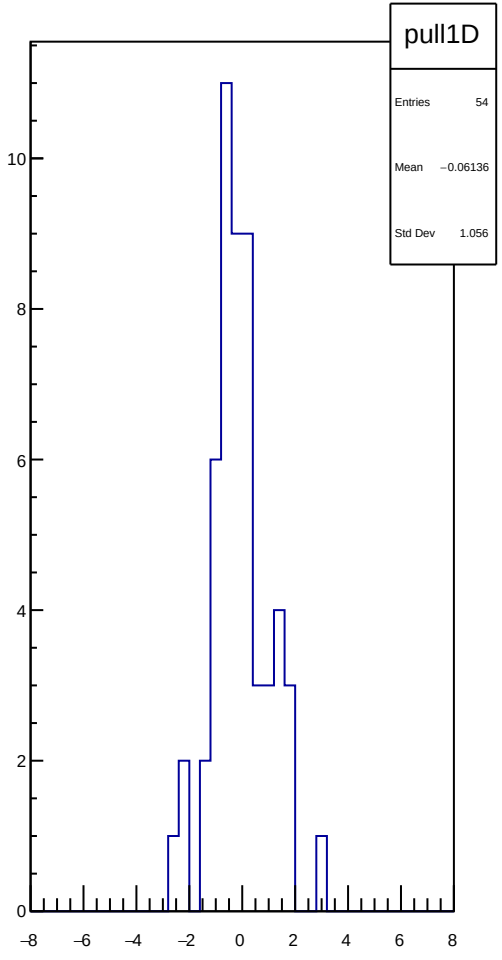

pull1D
Entries 54
Mean 0.01733
Std Dev 0.9327

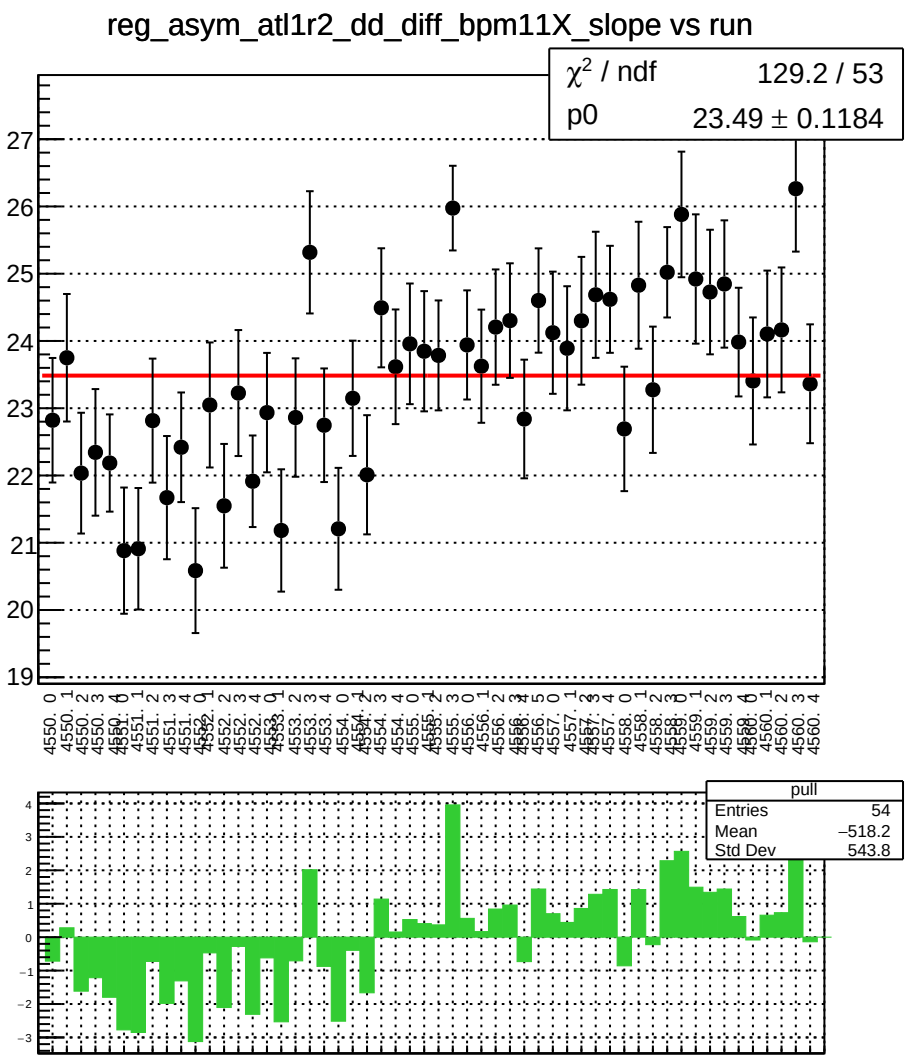

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.33 / 53
p0 −6.292 ± 0.4434
pull
Entries 54
Mean 15.68
Std Dev 40.07
pull1D
Entries 54
Mean 0.06221
Std Dev 1.107

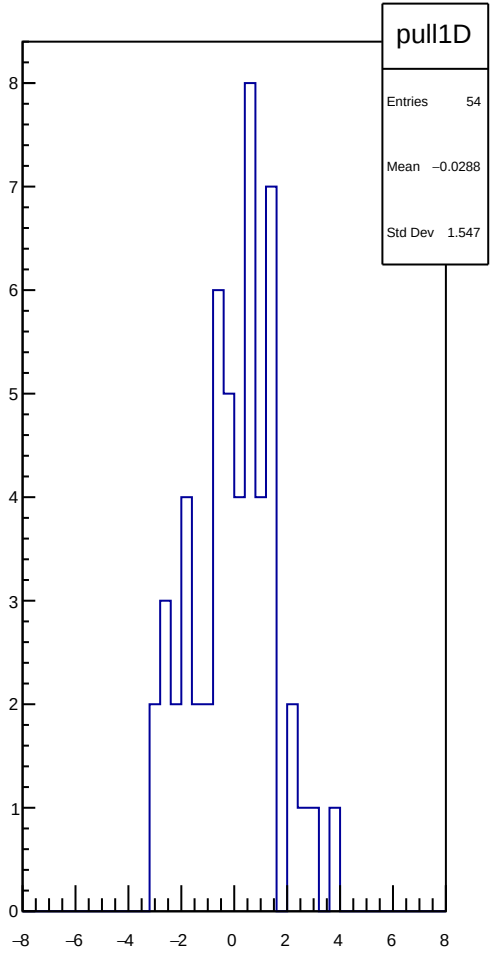

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.46 / 53
p0 12.26 ± 0.05824
pull
Entries 54
Mean −1128
Std Dev 1156

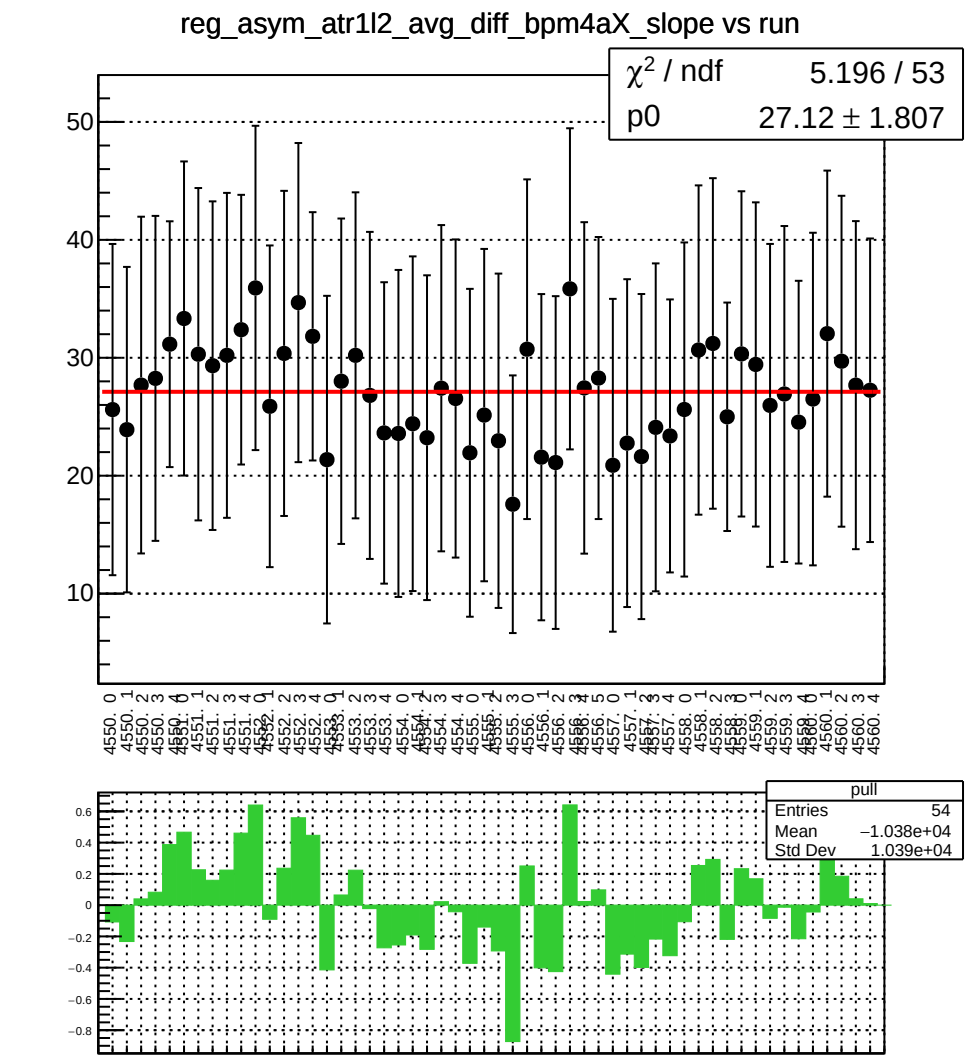

pull1D
Entries 54
Mean −0.007091
Std Dev 1.258

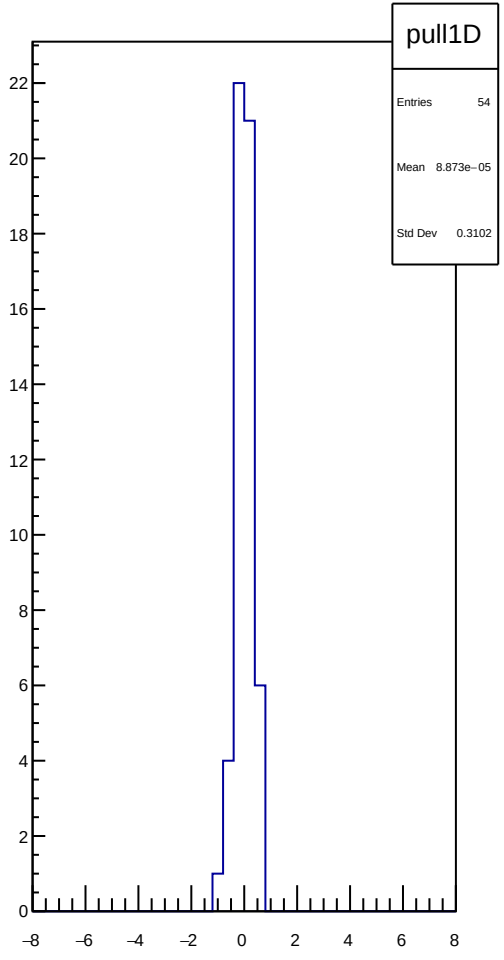

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.4 / 53
p0 2.598 ± 0.596
pull
Entries 54
Mean 21.71
Std Dev 40.14

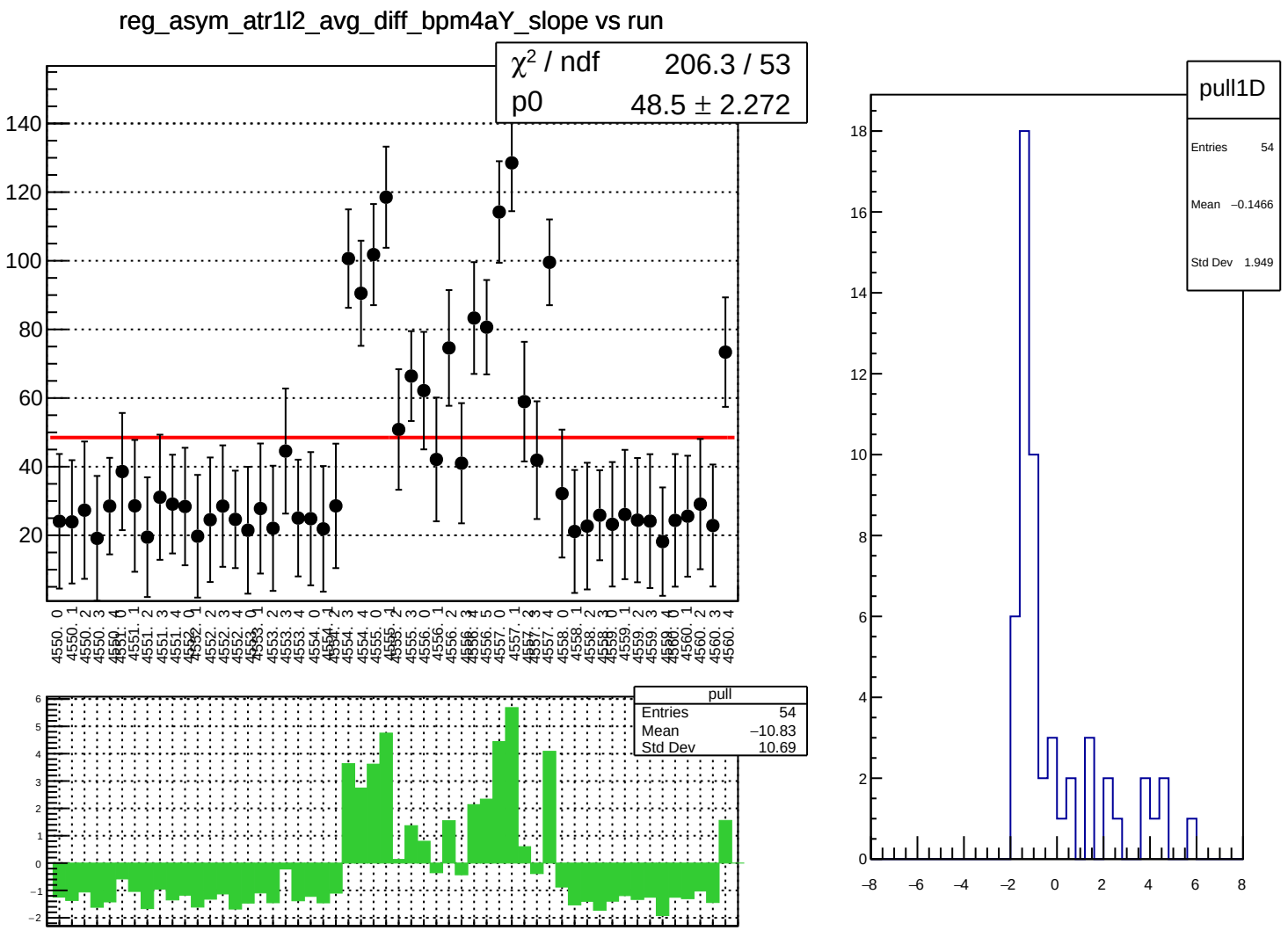

pull1D
Entries 54
Mean −0.06136
Std Dev 1.056

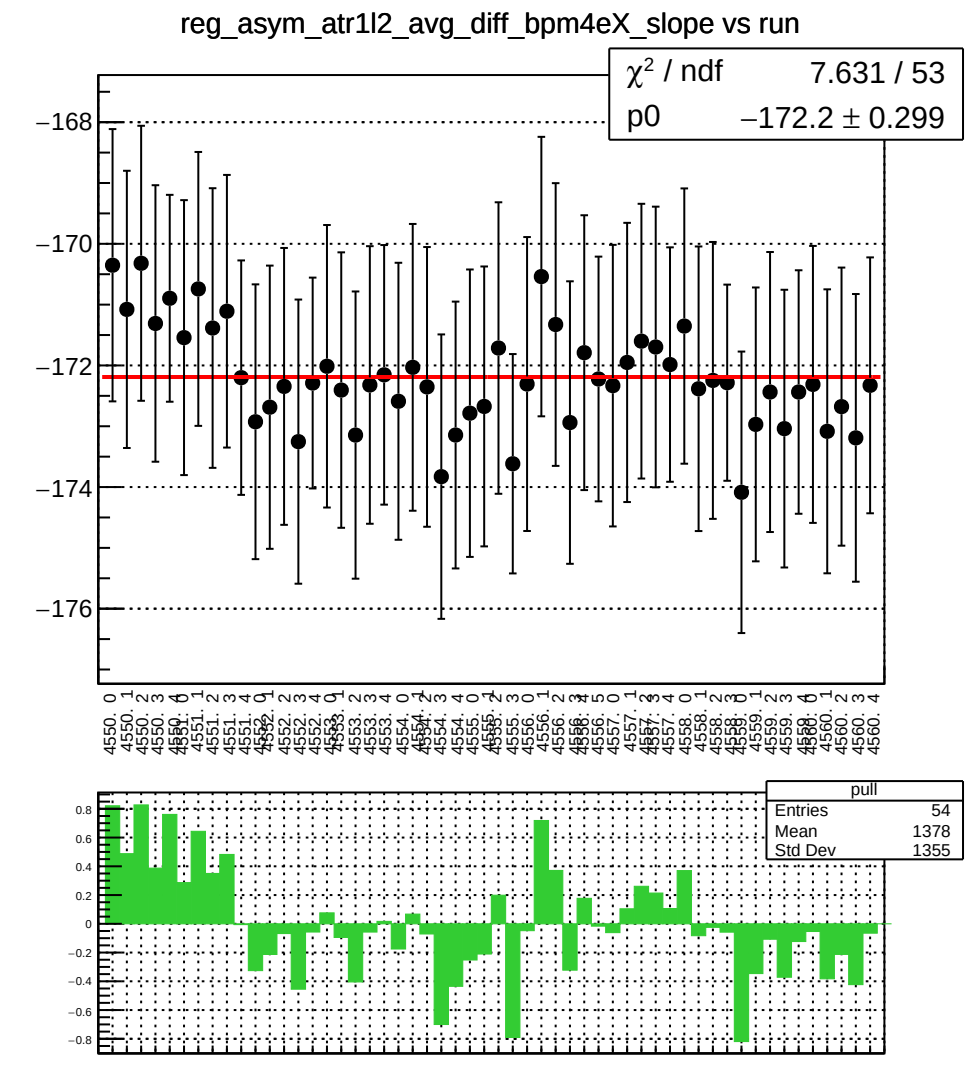

reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ² / ndf 129.2 / 53
p0 23.49 ± 0.1184
pull
Entries 54
Mean −518.2
Std Dev 543.8

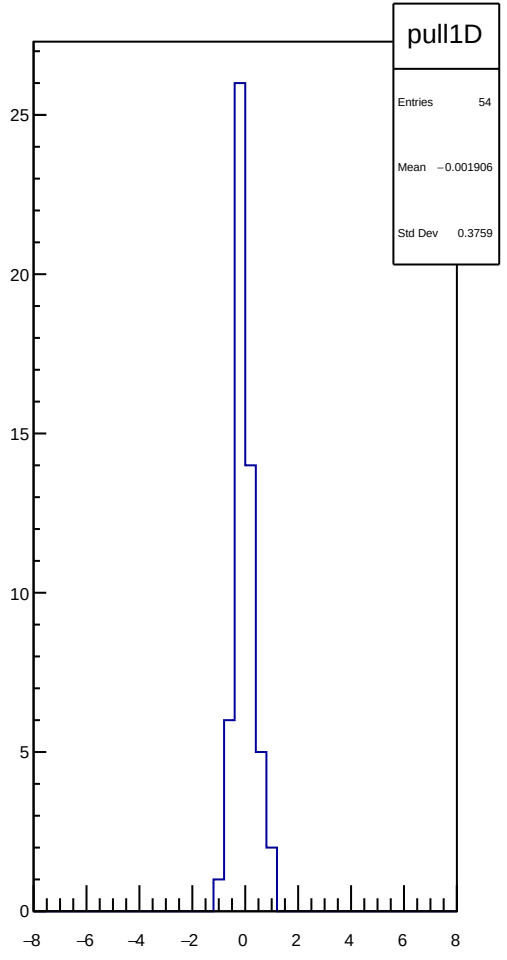

pull1D
Entries 54
Mean −0.0288
Std Dev 1.547

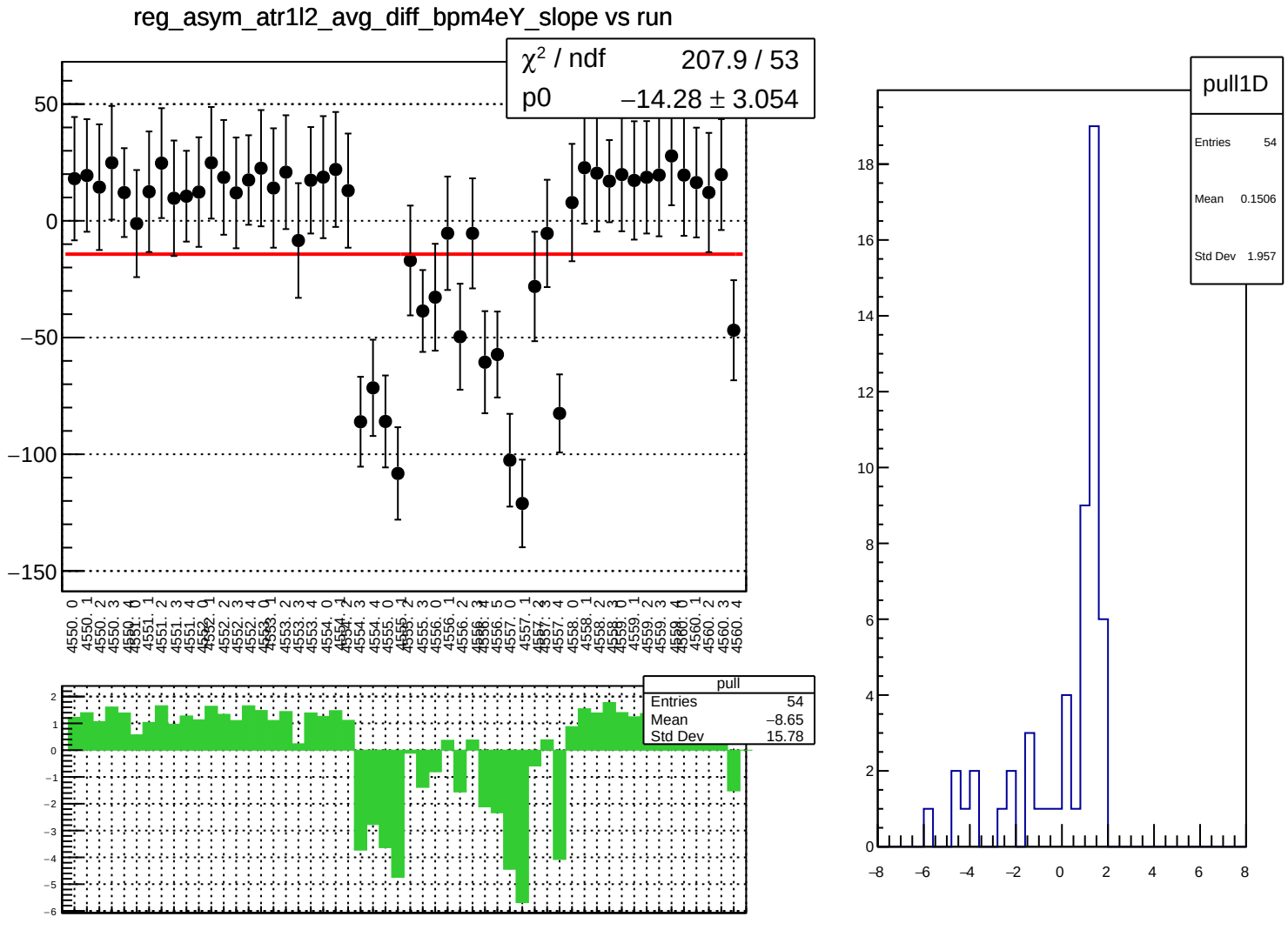

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.196 / 53
p0 27.12 ± 1.807
pull
Entries 54
Mean −1.038e+04
Std Dev 1.039e+04

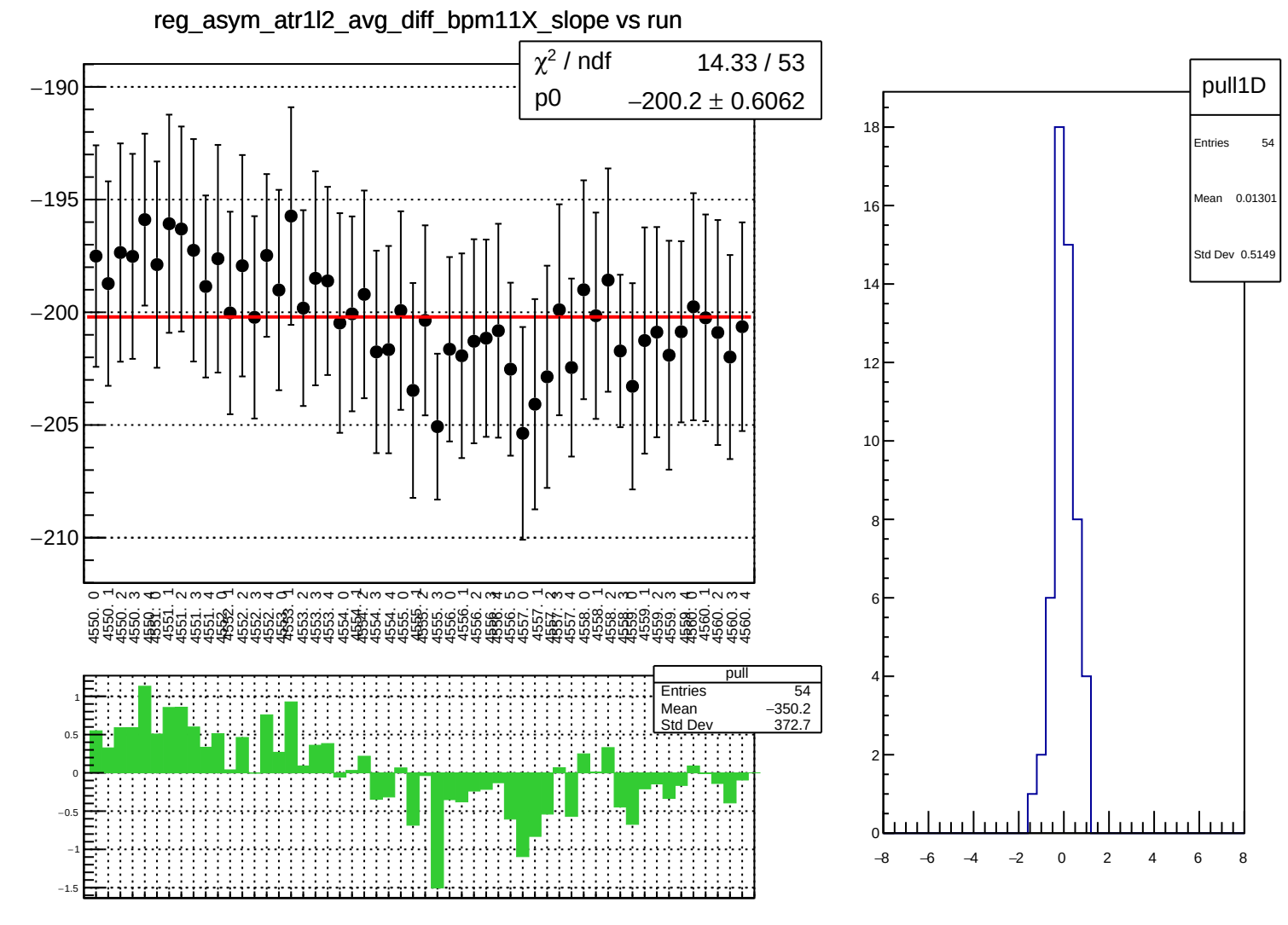

pull1D
Entries 54
Mean 8.873e−05
Std Dev 0.3102

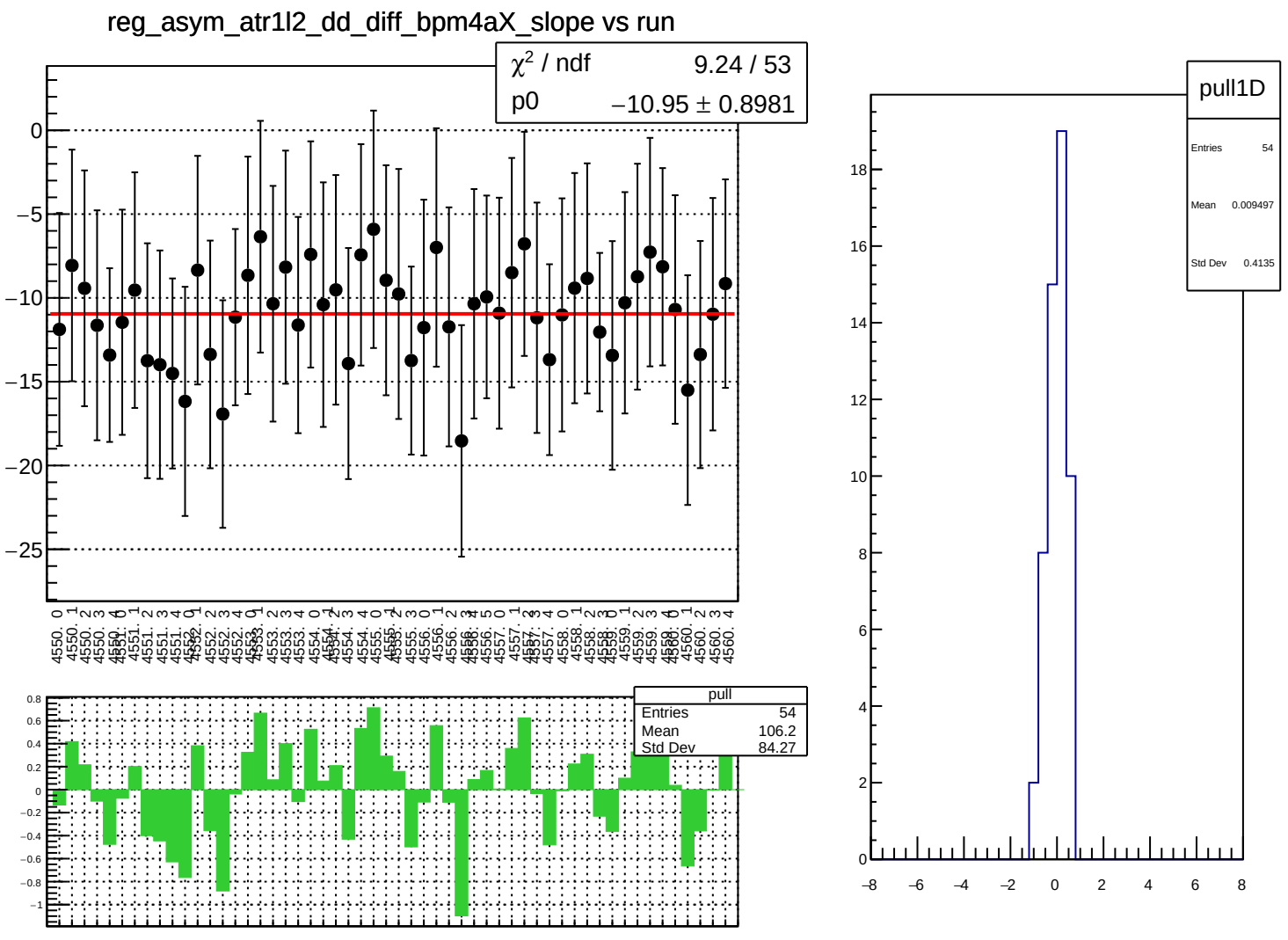

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 206.3 / 53
p0 48.5 ± 2.272
pull
Entries 54
Mean −10.83
Std Dev 10.69
pull1D
Entries 54
Mean −0.1466
Std Dev 1.949

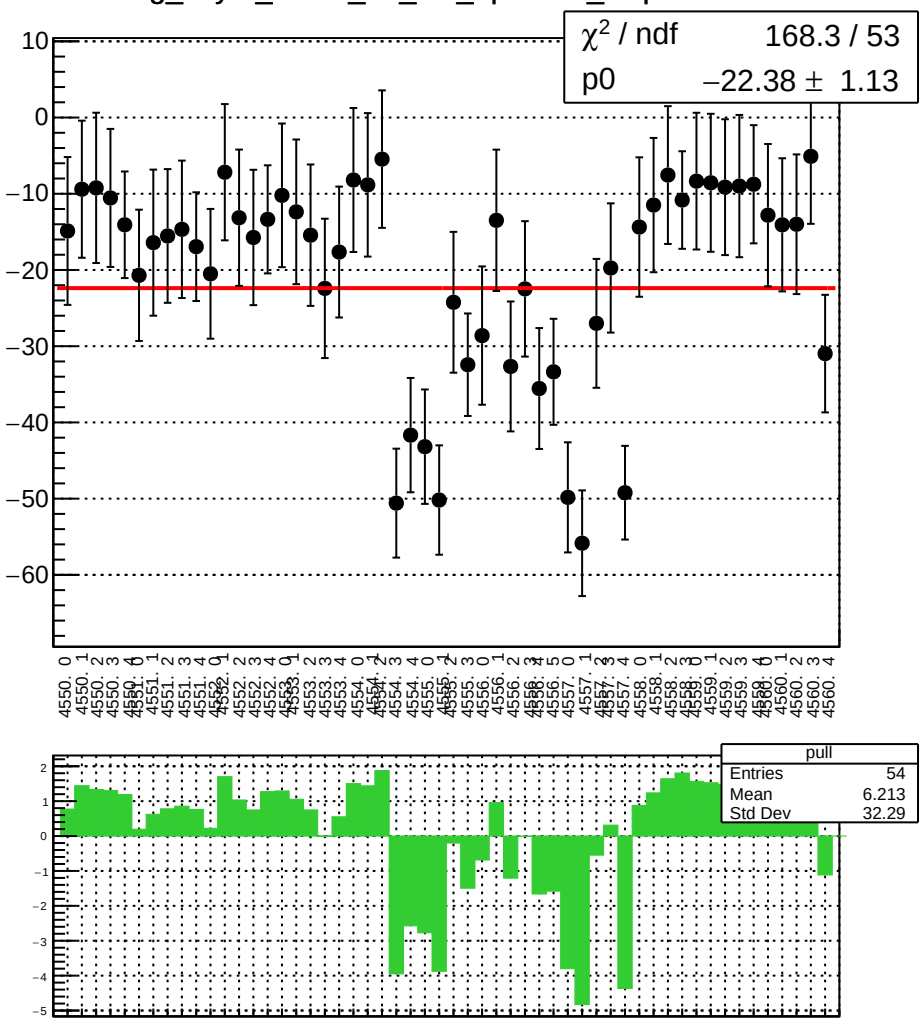

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.631 / 53
p0 −172.2 ± 0.299
−168
−170
−172
−174
−176
pull
Entries 54
Mean 1378
Std Dev 1355
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

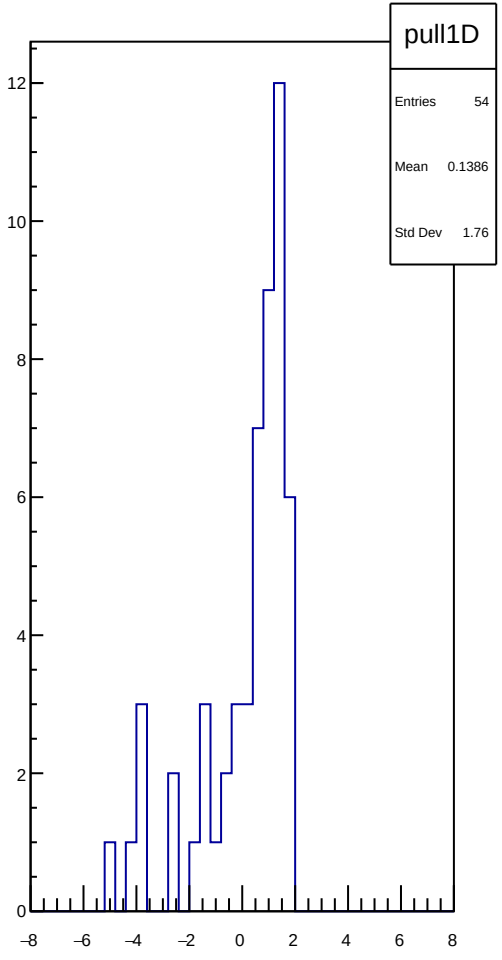

pull1D
Entries 54
Mean −0.001906
Std Dev 0.3759
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

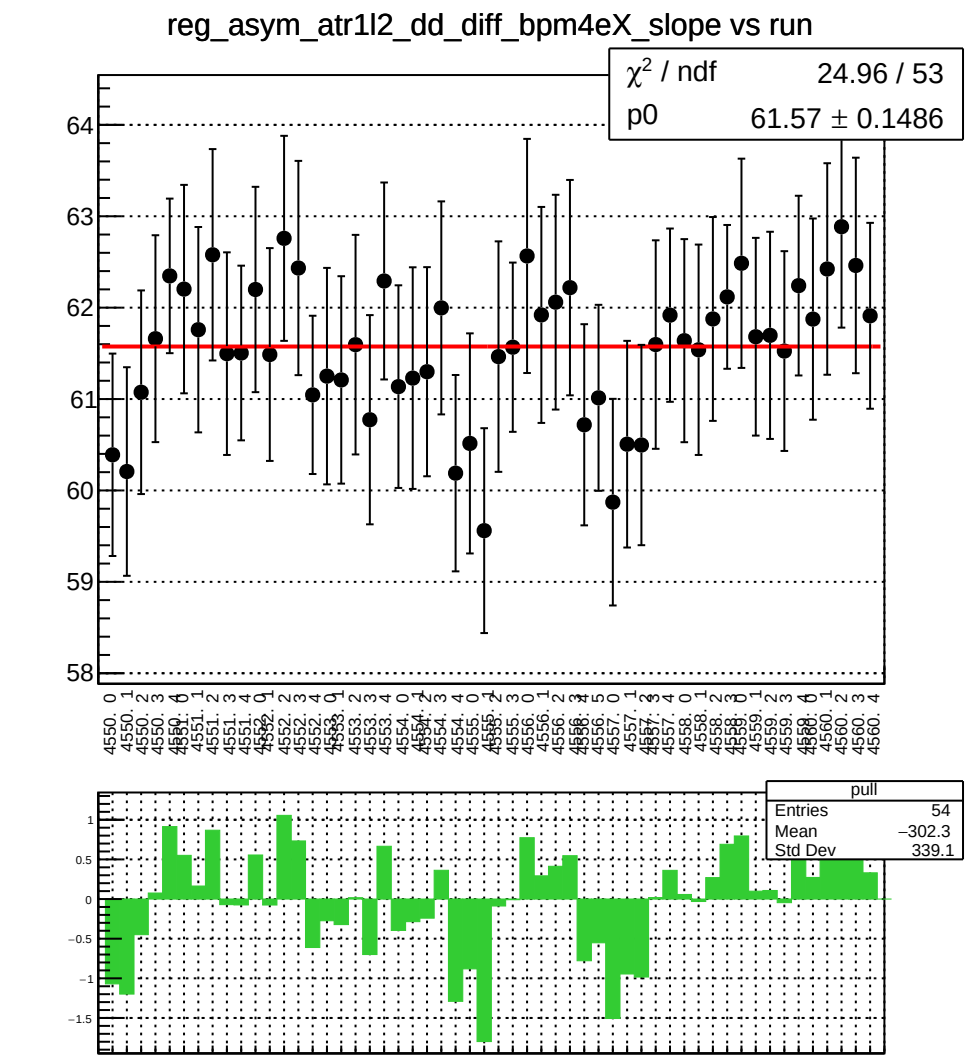

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 207.9 / 53
p0 −14.28 ± 3.054
pull
Entries 54
Mean −8.65
Std Dev 15.78
pull1D
Entries 54
Mean 0.1506
Std Dev 1.957

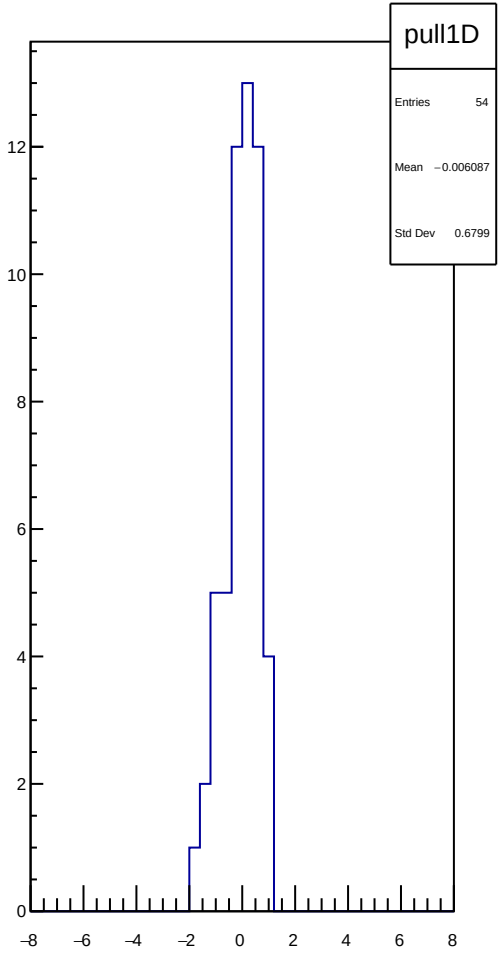

reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ² / ndf 14.33 / 53
p0 −200.2 ± 0.6062
−190
−195
−200
−205
−210
pull
Entries 54
Mean −350.2
Std Dev 372.7
pull1D
Entries 54
Mean 0.01301
Std Dev 0.5149

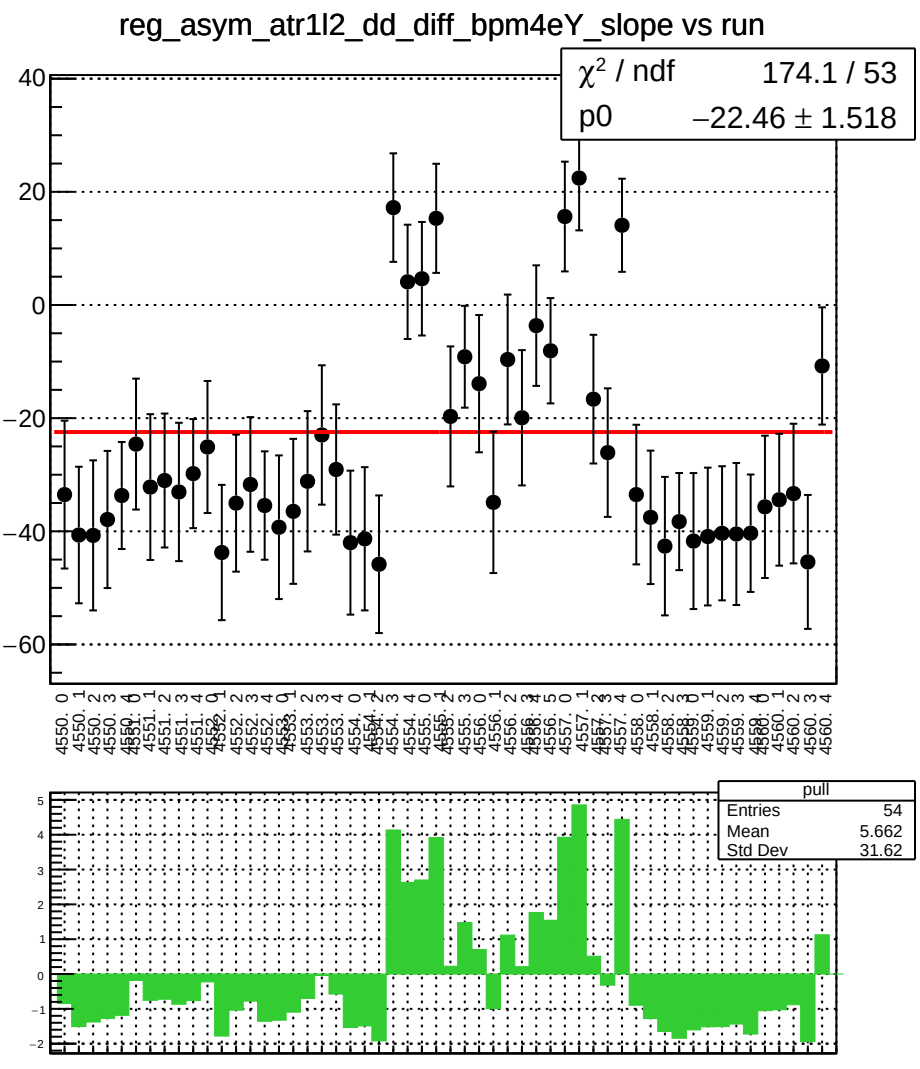

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.24 / 53
p0 −10.95 ± 0.8981
pull
Entries 54
Mean 106.2
Std Dev 84.27
pull1D
Entries 54
Mean 0.009497
Std Dev 0.4135

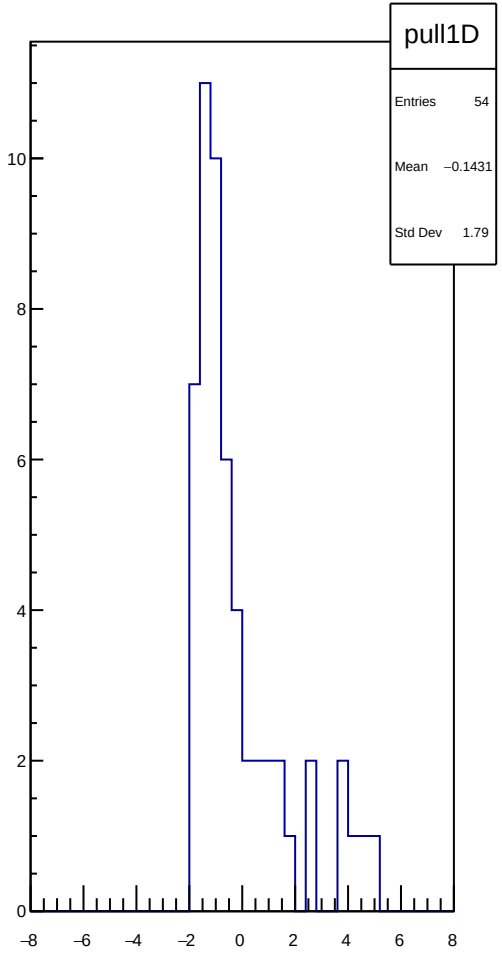

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 168.3 / 53
p0 −22.38 ± 1.13
pull
Entries 54
Mean 6.213
Std Dev 32.29

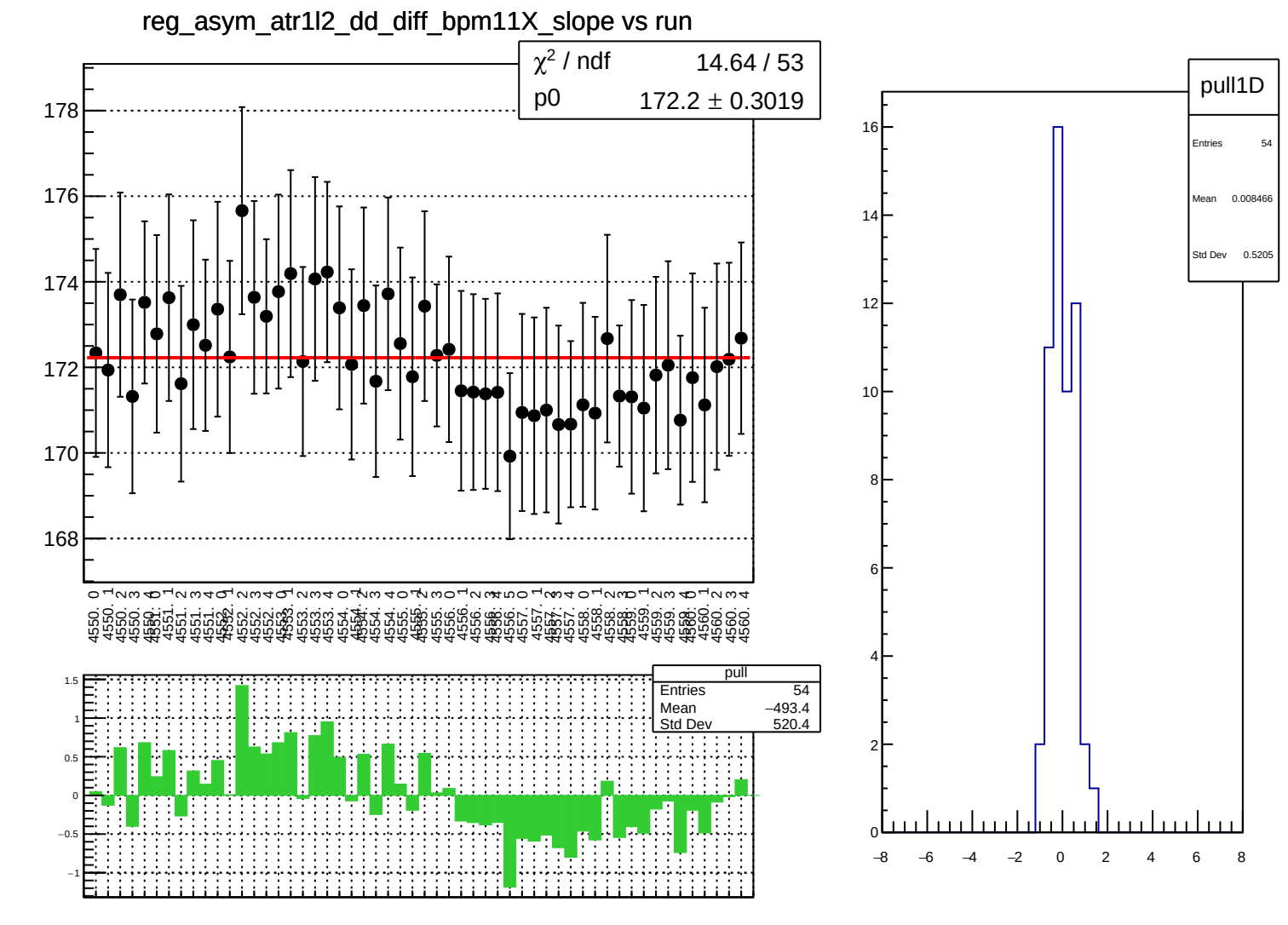

pull1D
Entries 54
Mean 0.1386
Std Dev 1.76

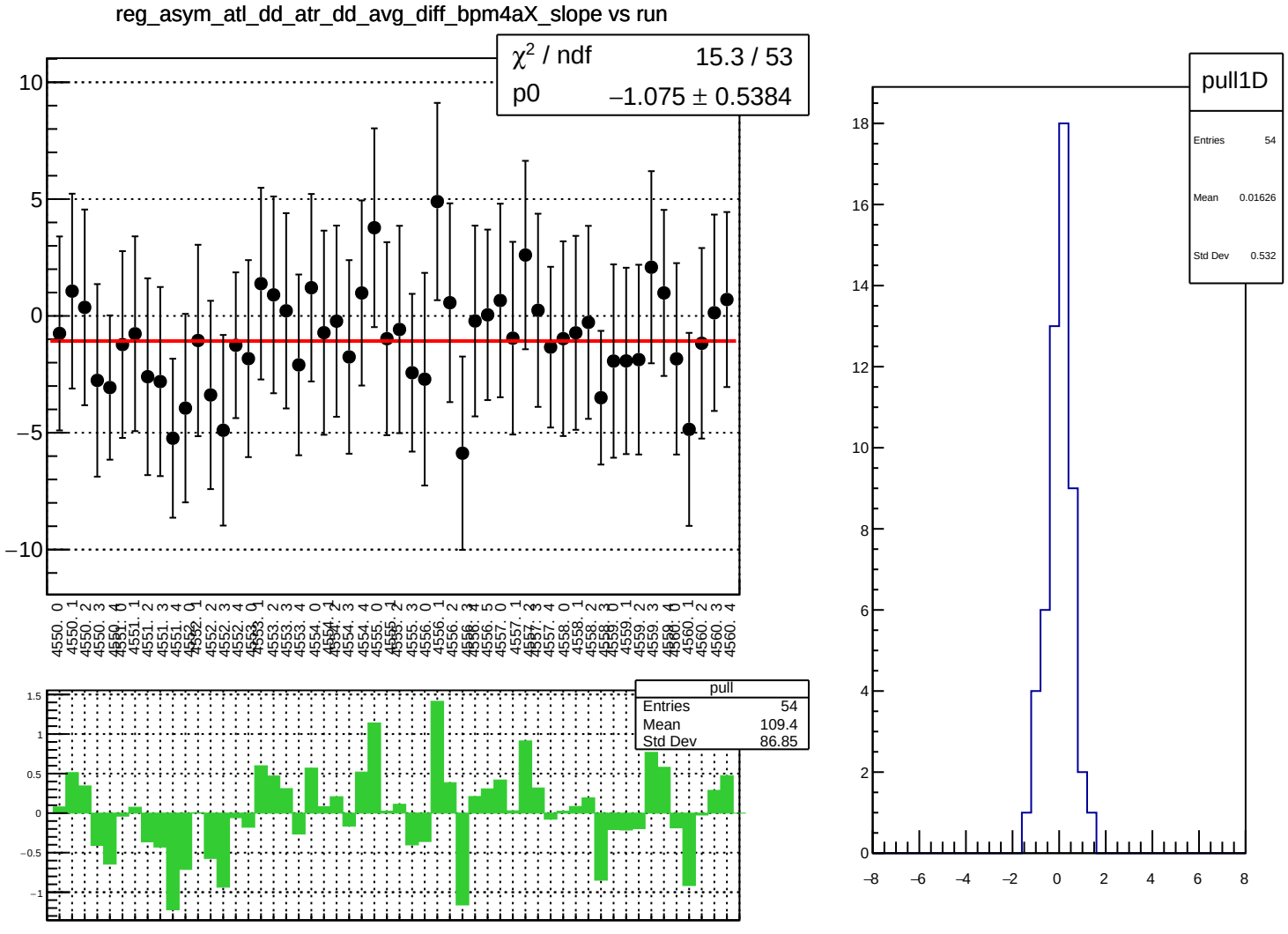

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.96 / 53
p0 61.57 ± 0.1486
pull
Entries 54
Mean −302.3
Std Dev 339.1

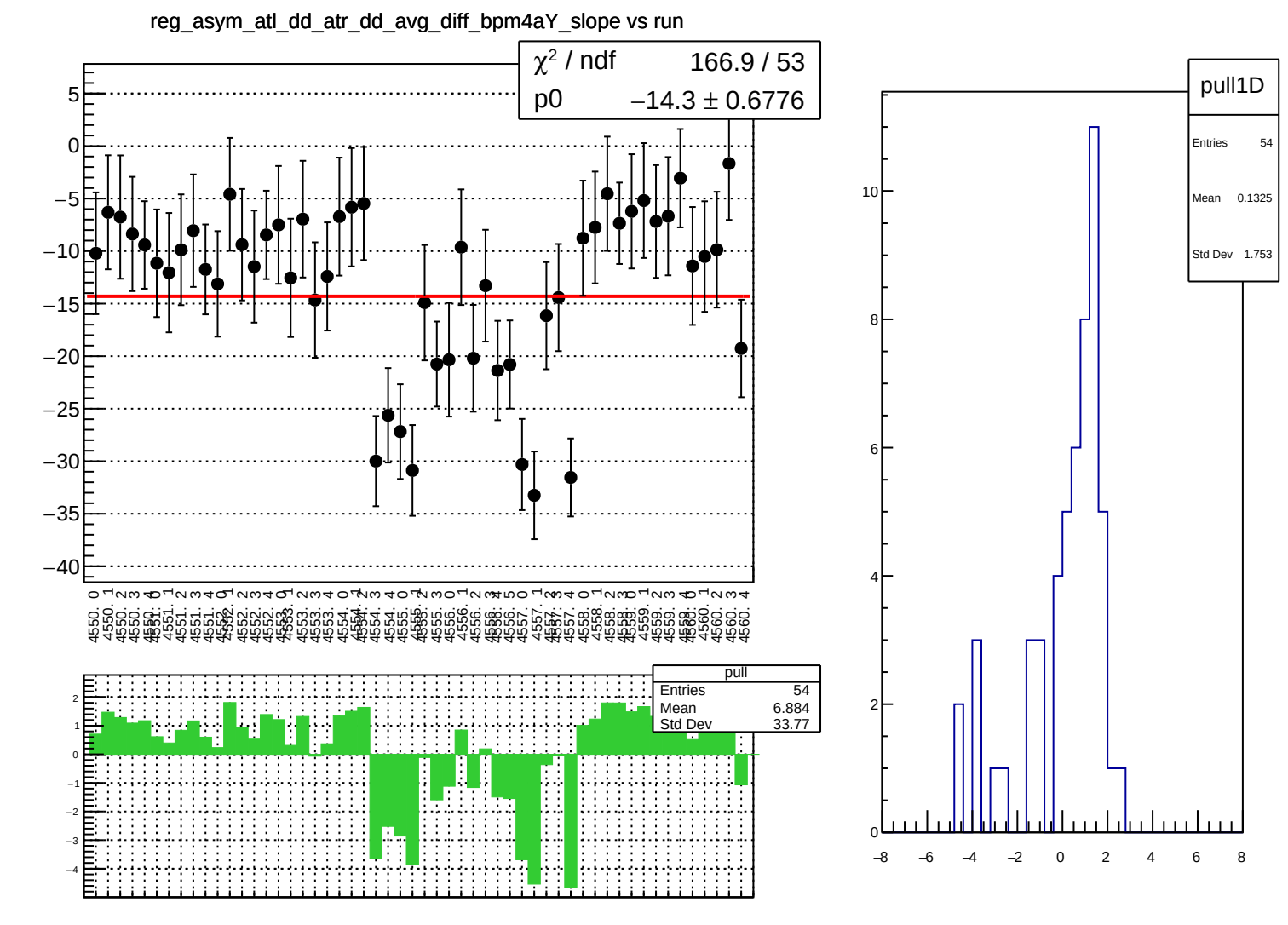

pull1D
Entries 54
Mean −0.006087
Std Dev 0.6799

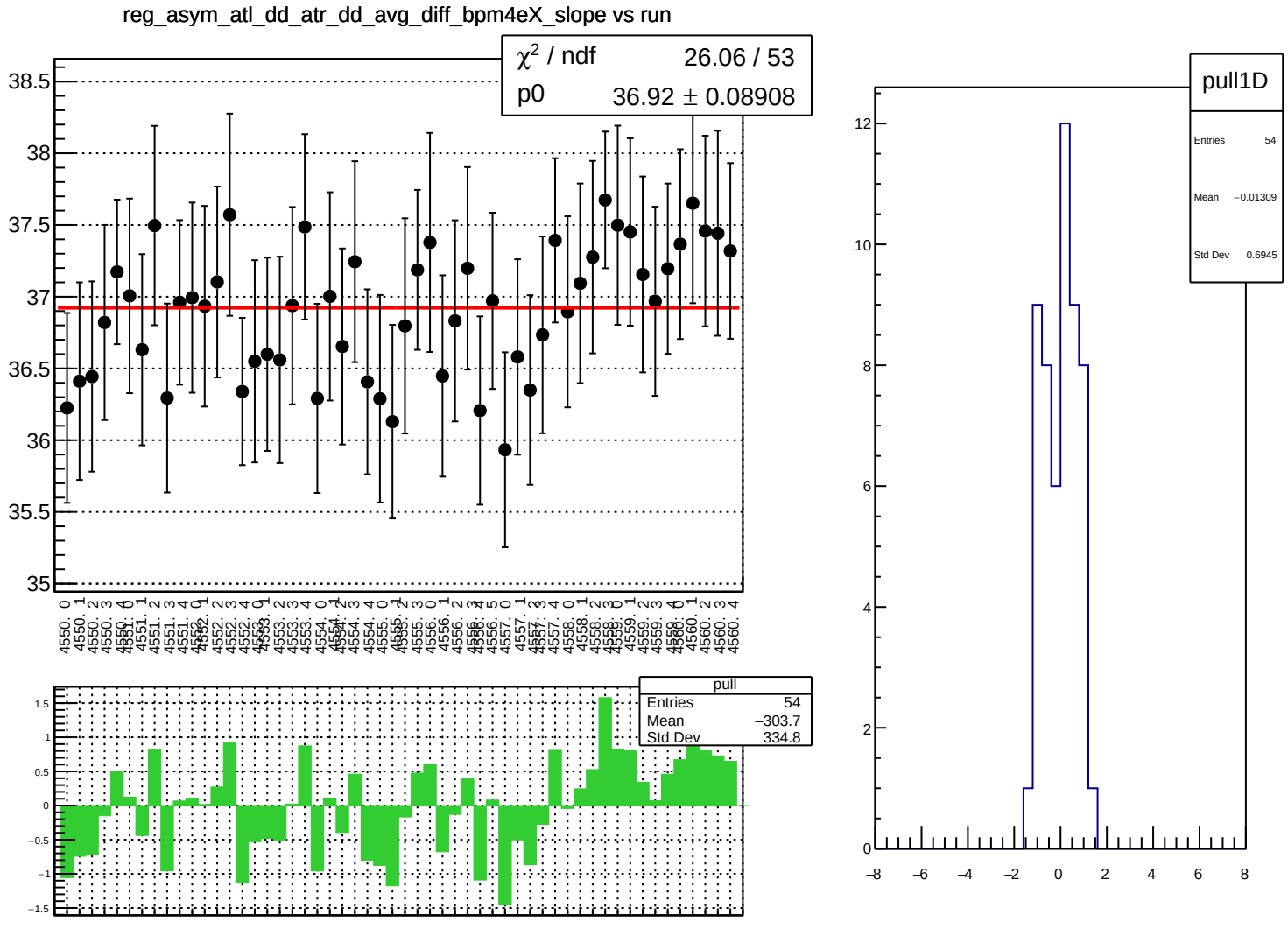

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 174.1 / 53
p0 −22.46 ± 1.518
pull
Entries 54
Mean 5.662
Std Dev 31.62

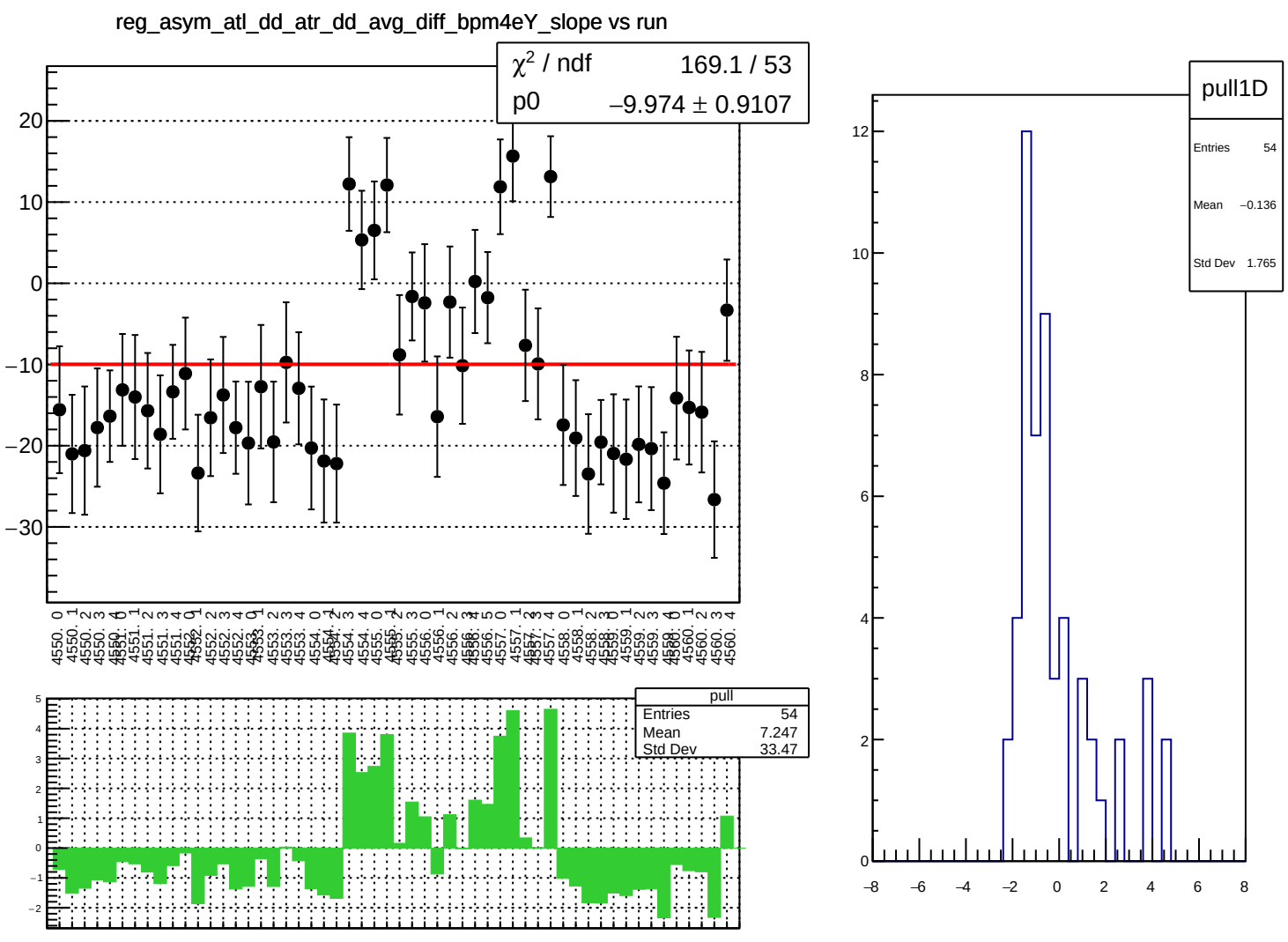

pull1D
Entries 54
Mean −0.1431
Std Dev 1.79

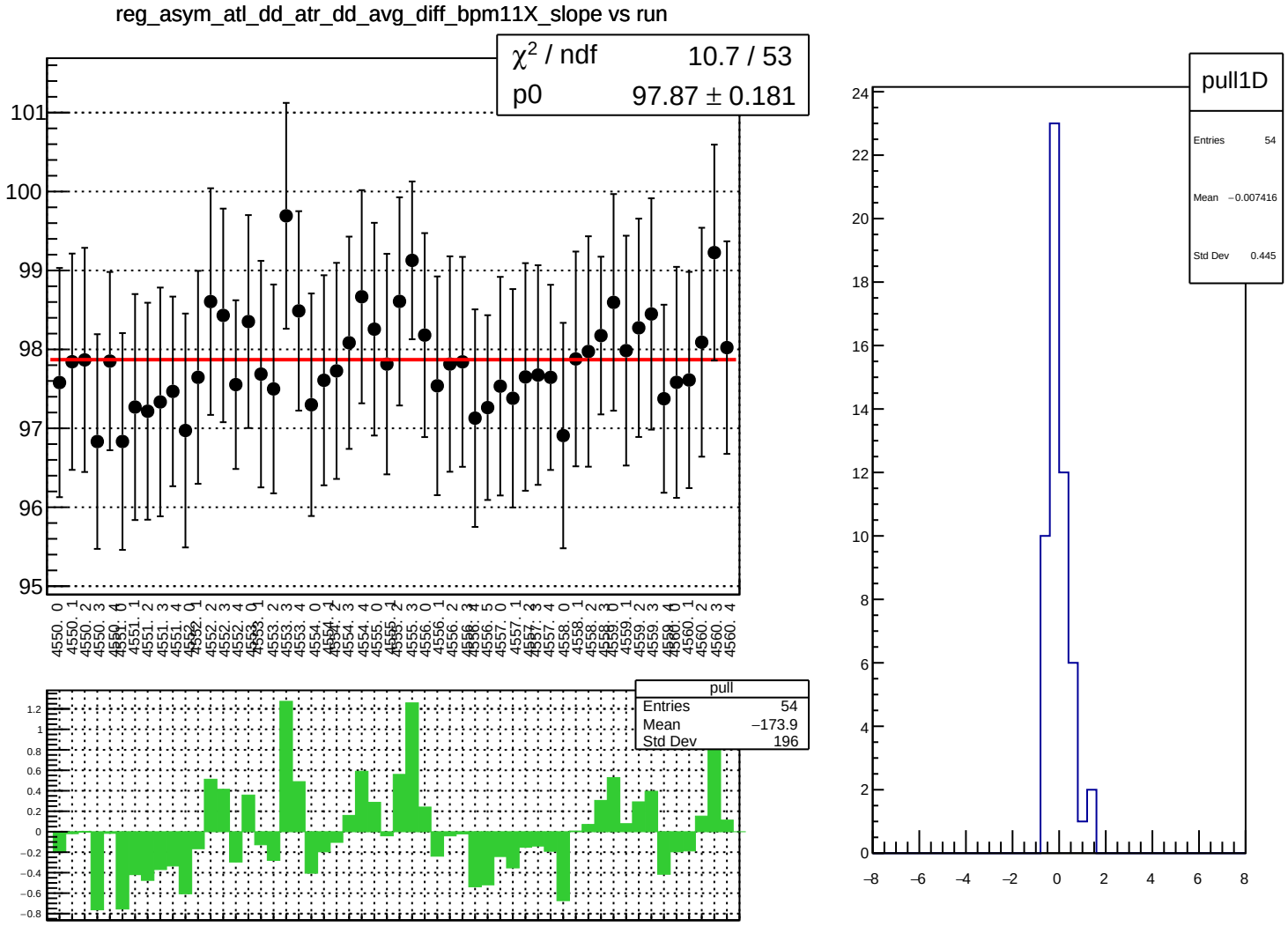

reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ² / ndf 14.64 / 53
p0 172.2 ± 0.3019
178
176
174
172
170
168
pull
Entries 54
Mean −493.4
Std Dev 520.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean 0.008466
Std Dev 0.5205
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

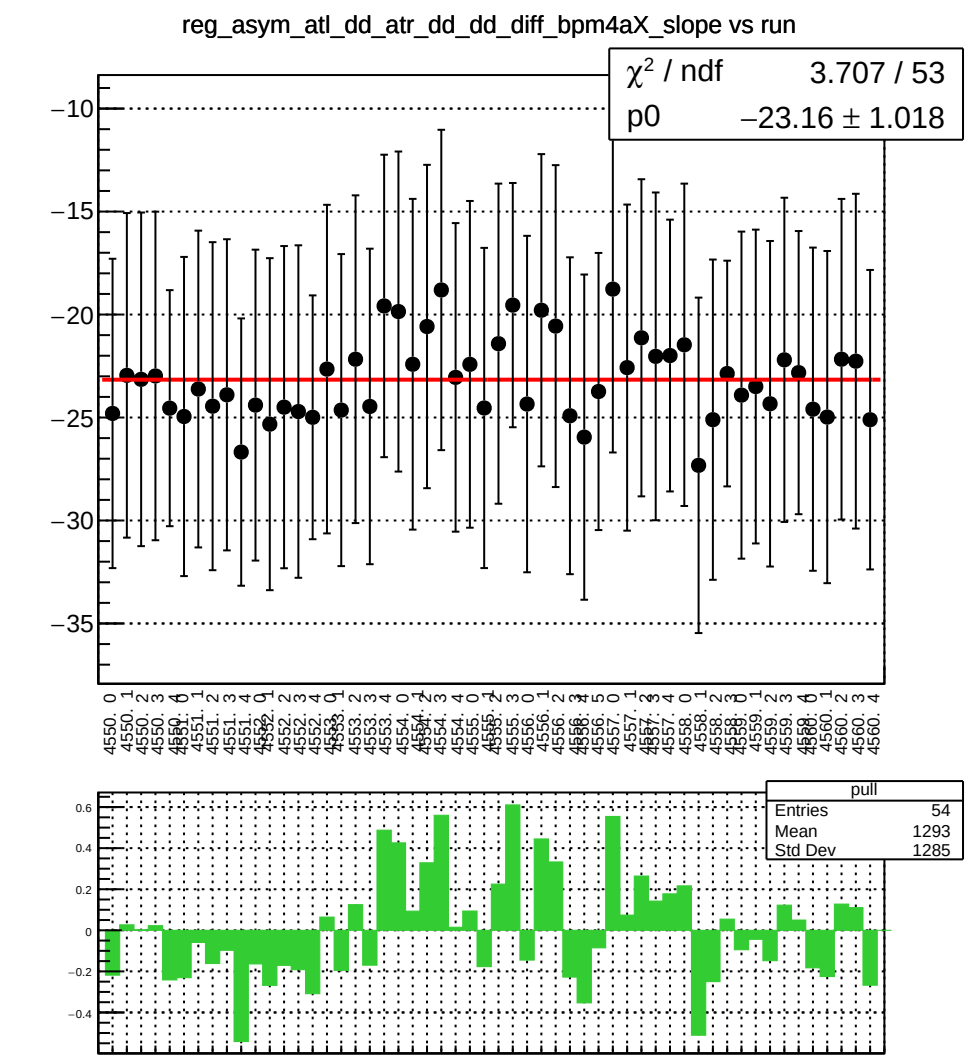

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.3 / 53
p0 −1.075 ± 0.5384
pull
Entries 54
Mean 109.4
Std Dev 86.85
pull1D
Entries 54
Mean 0.01626
Std Dev 0.532

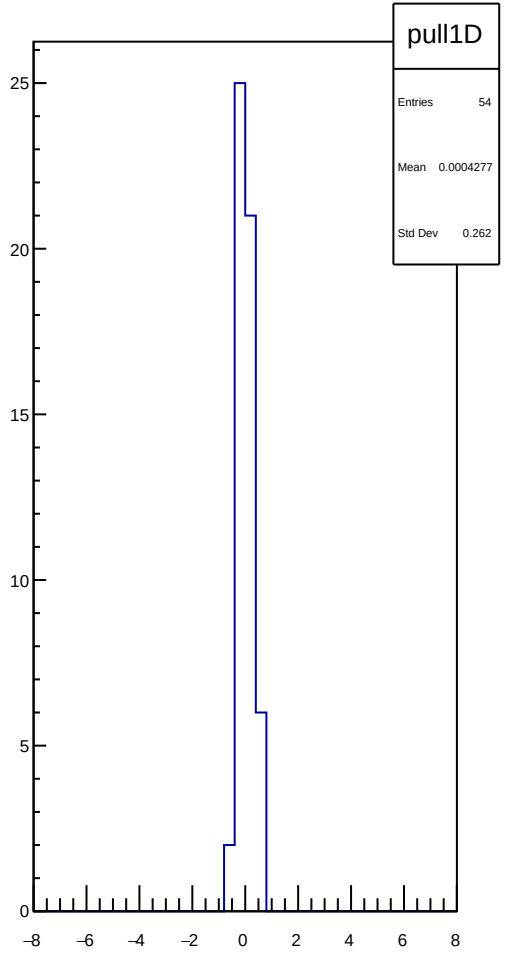

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 166.9 / 53
p0 −14.3 ± 0.6776
pull
Entries 54
Mean 6.884
Std Dev 33.77
pull1D
Entries 54
Mean 0.1325
Std Dev 1.753

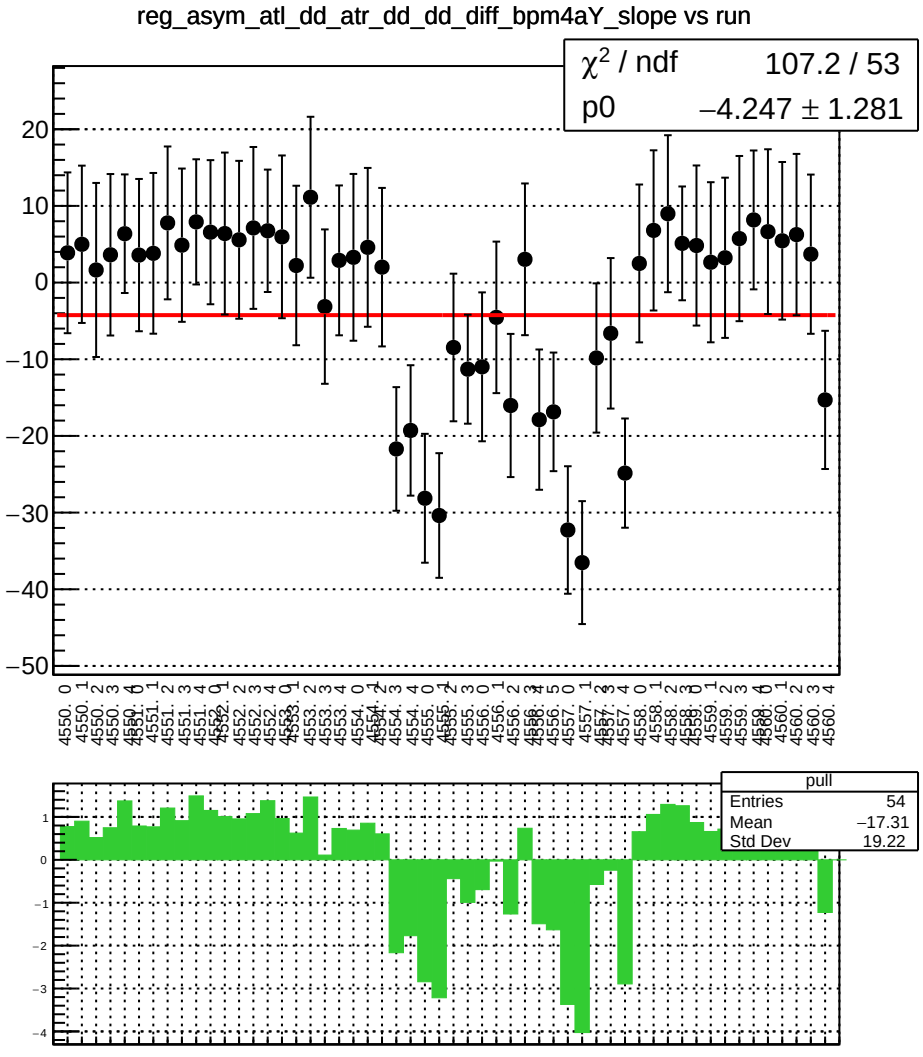

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.06 / 53
p0 36.92 ± 0.08908
pull
Entries 54
Mean −303.7
Std Dev 334.8
pull1D
Entries 54
Mean −0.01309
Std Dev 0.6945

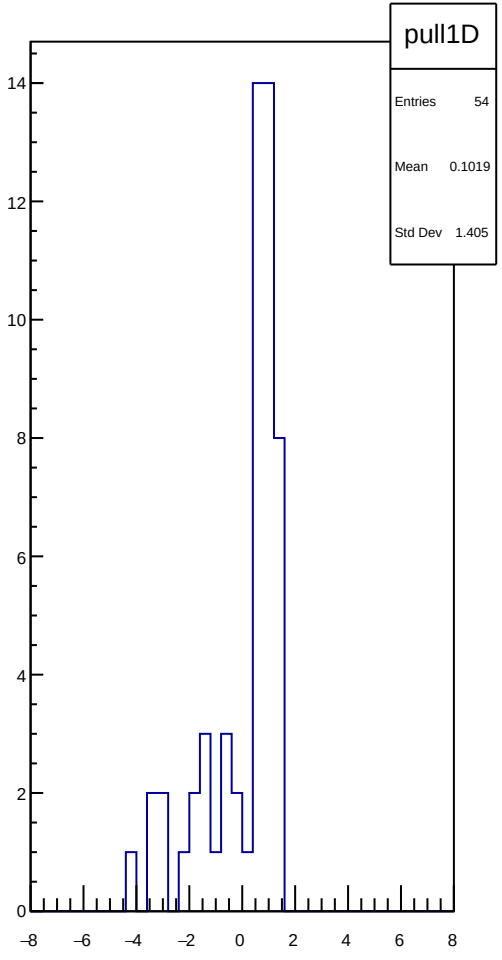

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 169.1 / 53
p0 −9.974 ± 0.9107
pull
Entries 54
Mean 7.247
Std Dev 33.47
pull1D
Entries 54
Mean −0.136
Std Dev 1.765

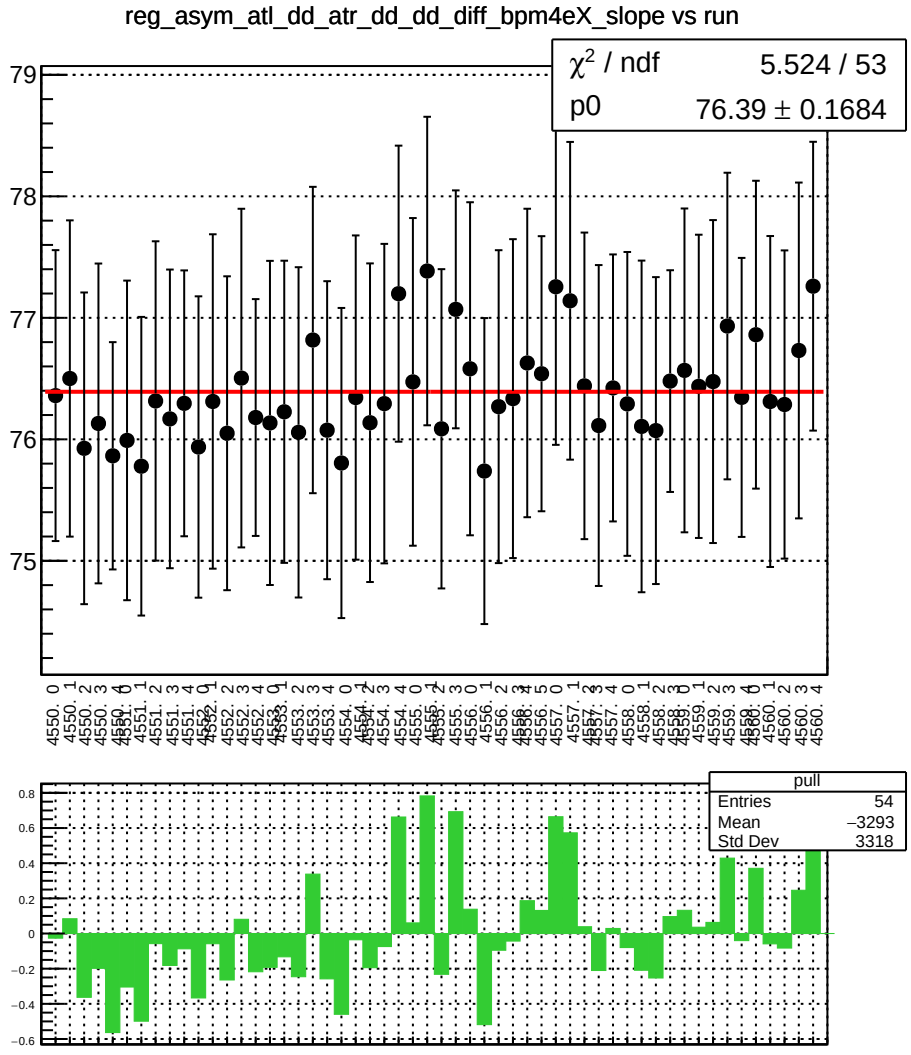

reg_asym_atl_dd_atr_dd_avg_diff_bpm11X_slope vs run
χ² / ndf 10.7 / 53
p0 97.87 ± 0.181
pull
Entries 54
Mean −173.9
Std Dev 196
pull1D
Entries 54
Mean −0.007416
Std Dev 0.445

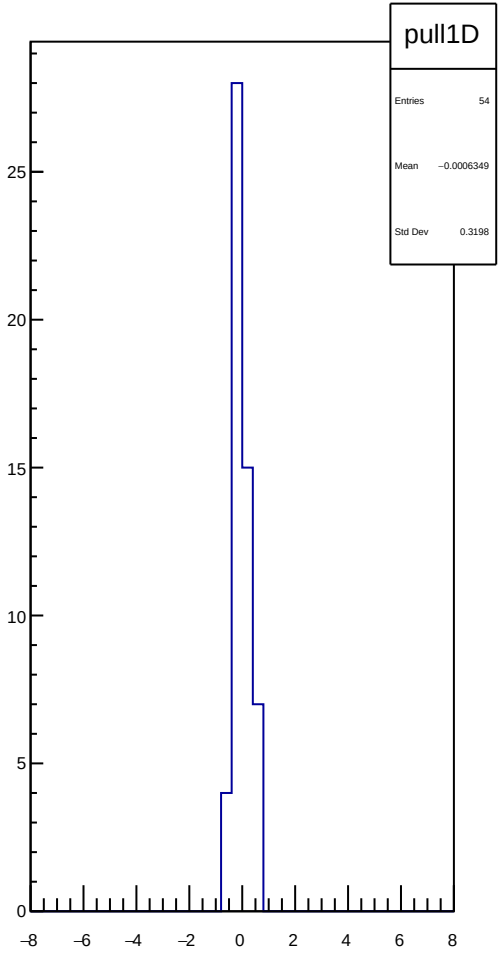

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.707 / 53
p0 −23.16 ± 1.018
pull
Entries 54
Mean 1293
Std Dev 1285

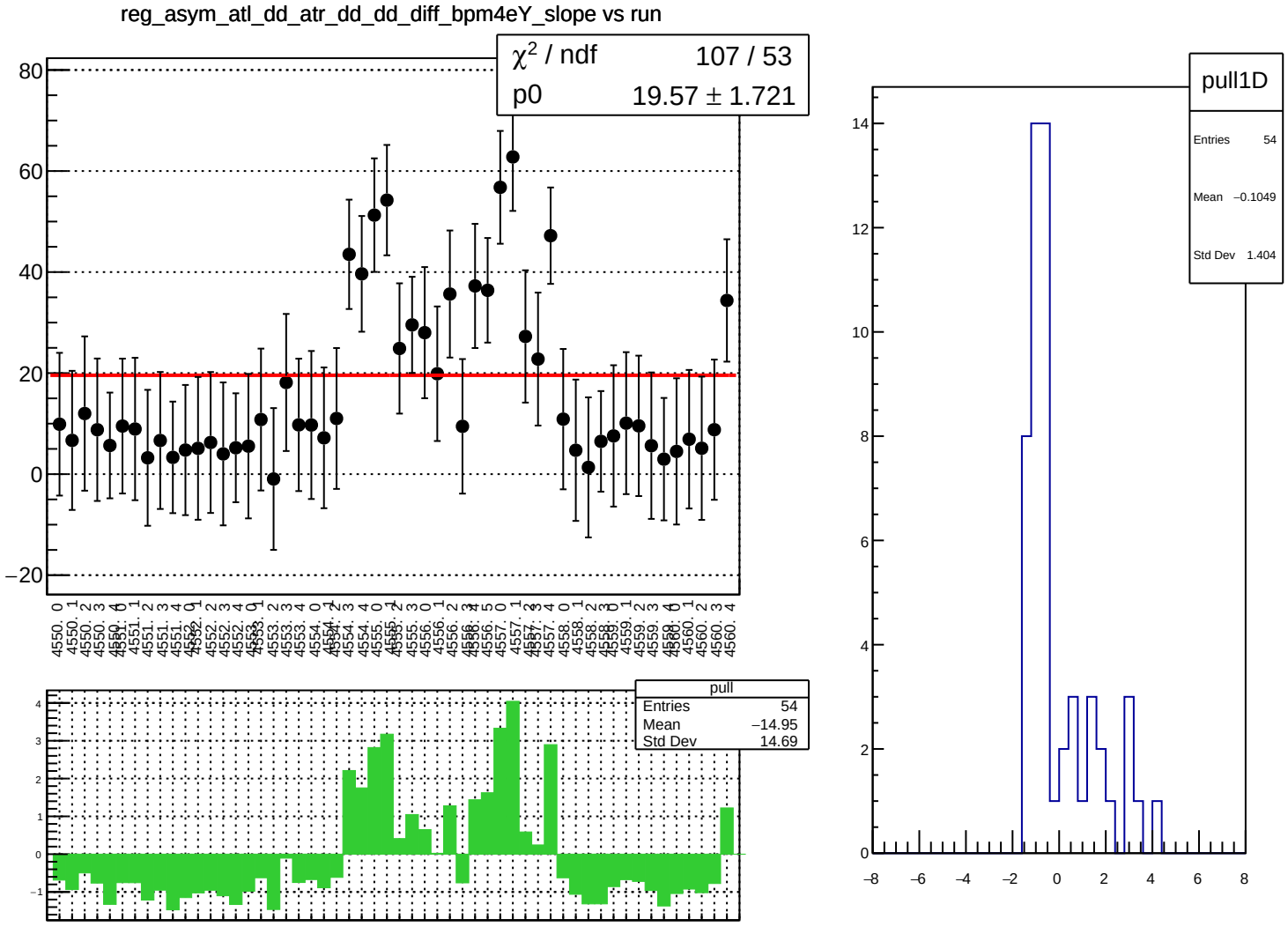

pull1D
Entries 54
Mean 0.0004277
Std Dev 0.262

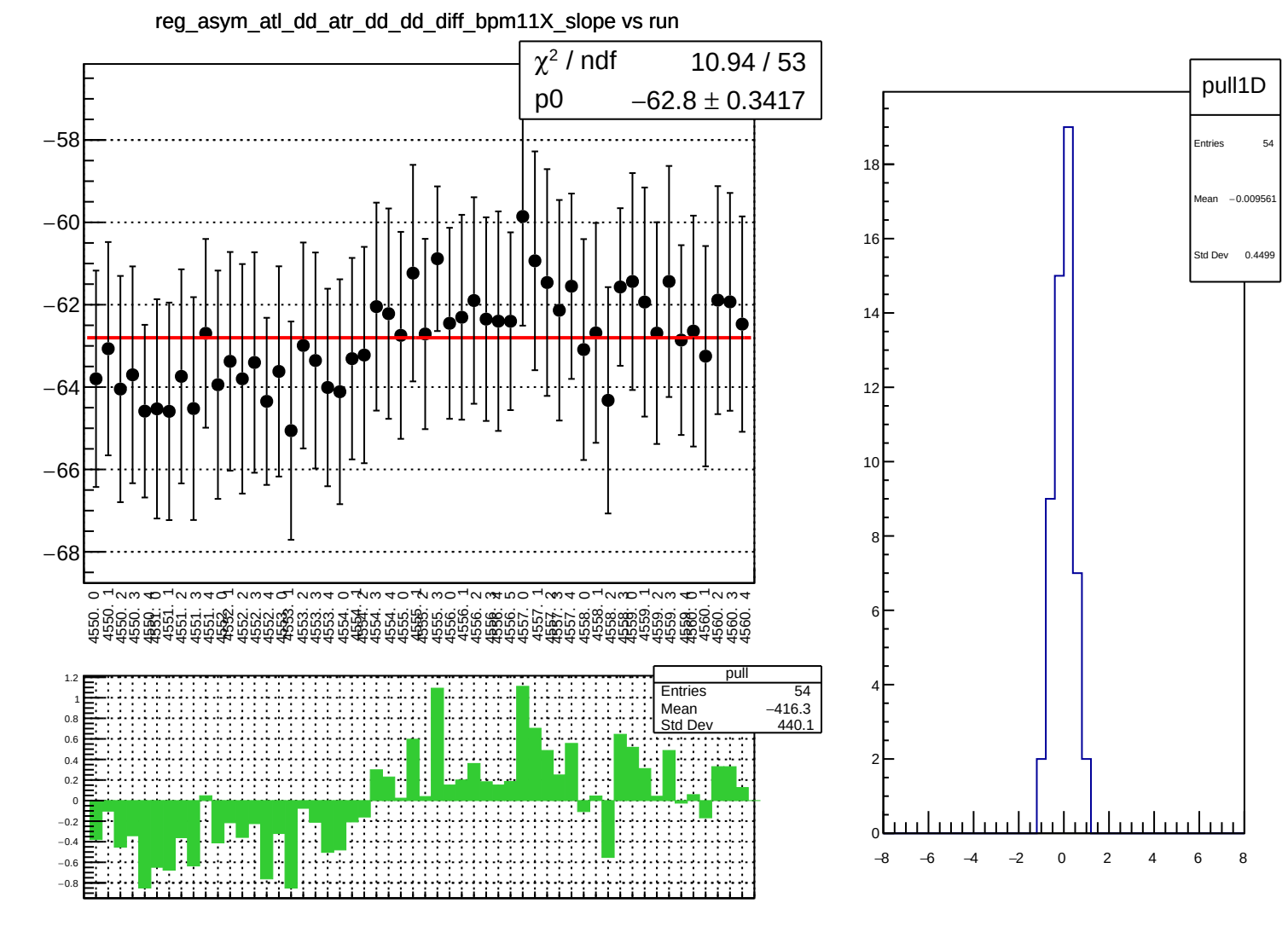

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 107.2 / 53
p0 −4.247 ± 1.281
pull
Entries 54
Mean −17.31
Std Dev 19.22

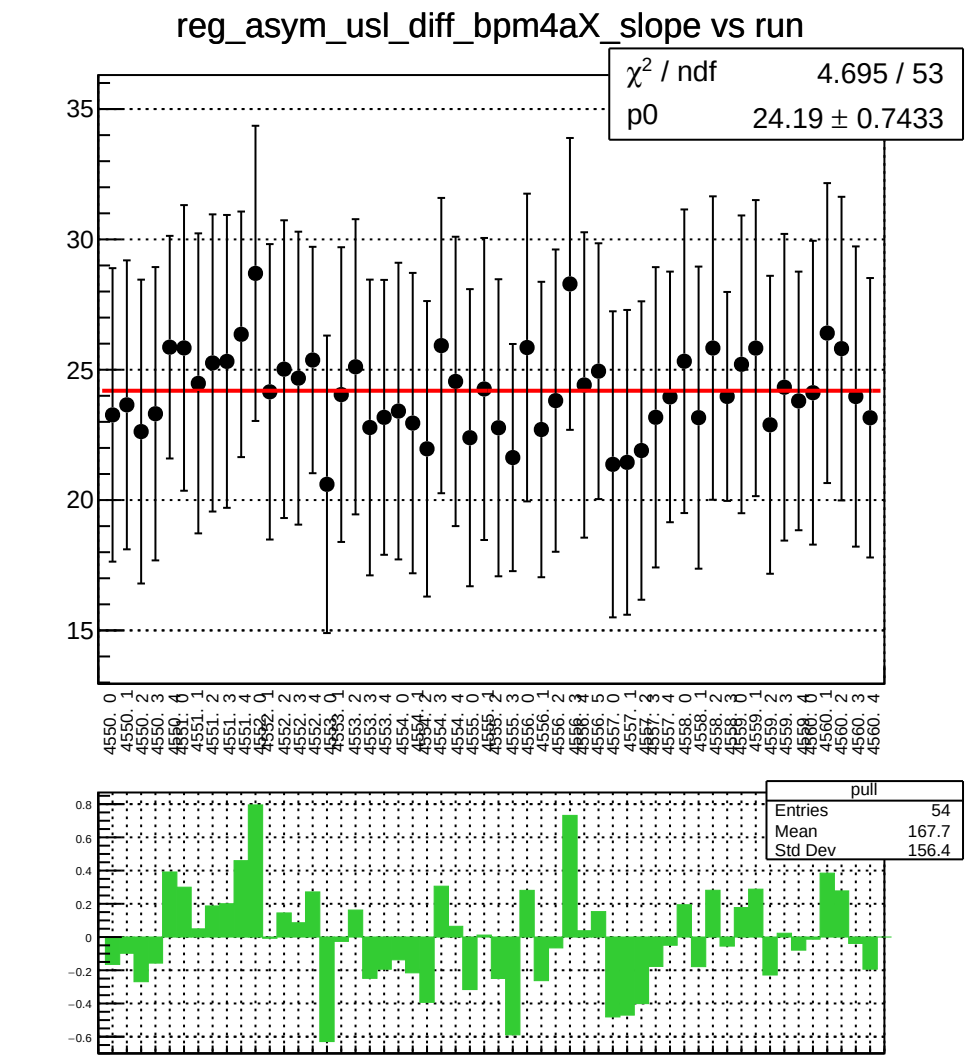

pull1D
Entries 54
Mean 0.1019
Std Dev 1.405

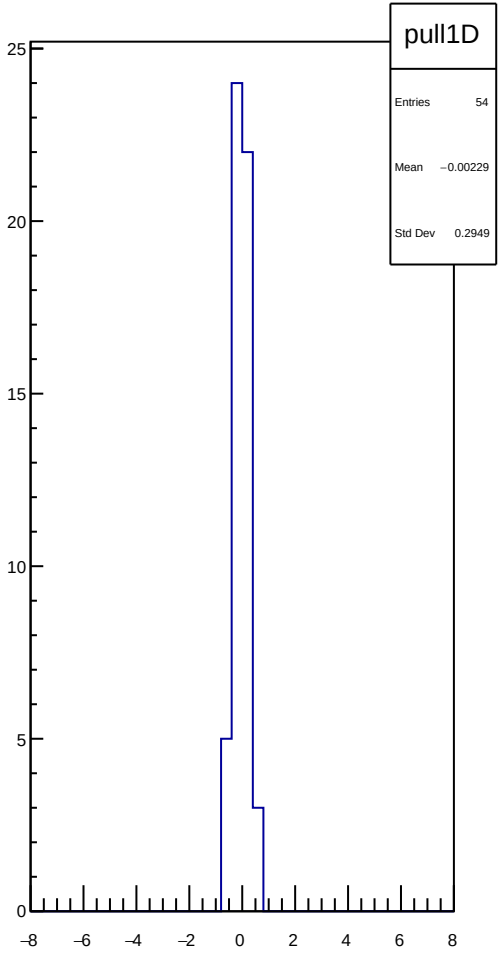

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.524 / 53
p0 76.39 ± 0.1684
pull
Entries 54
Mean −3293
Std Dev 3318

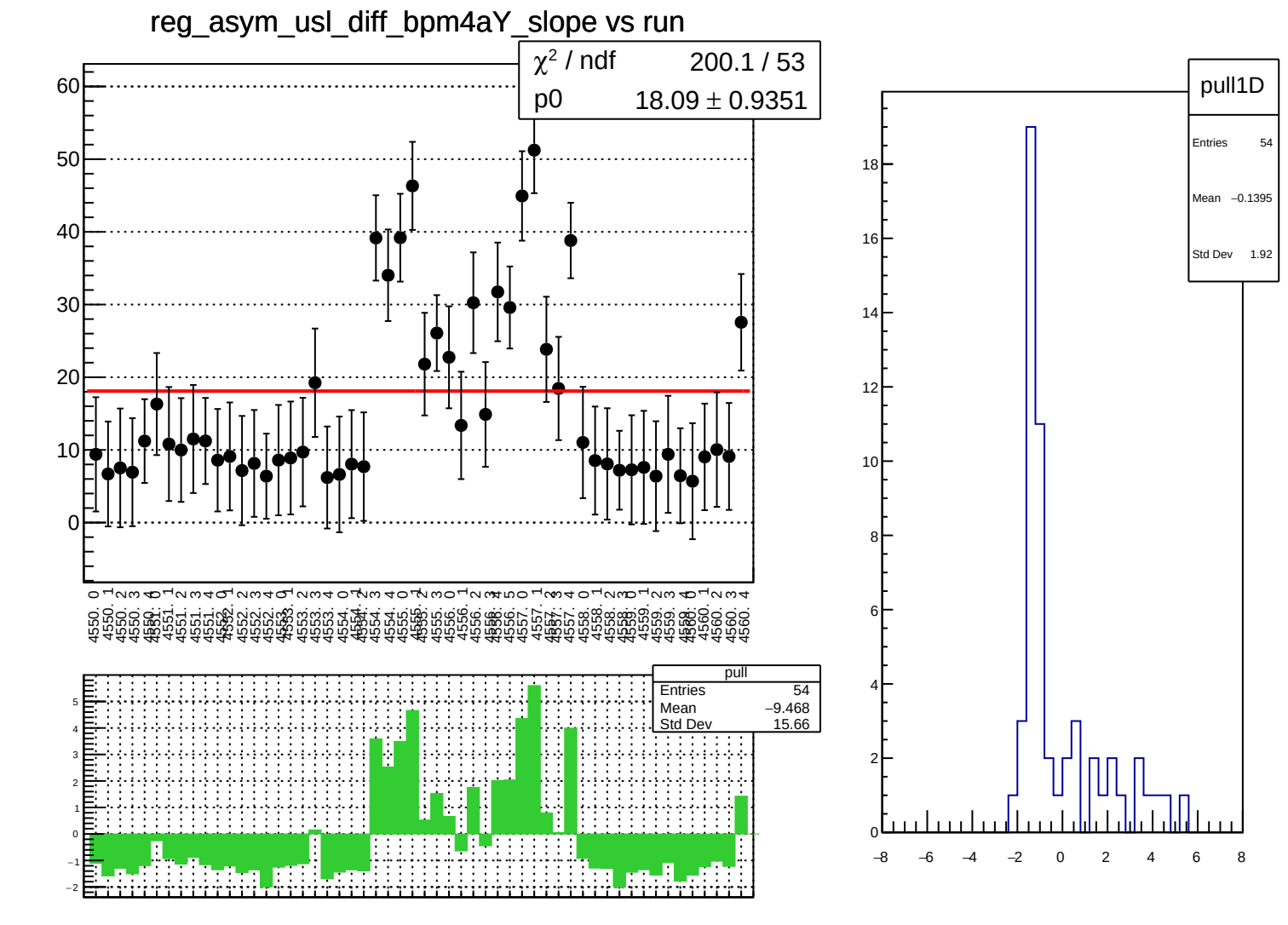

pull1D
Entries 54
Mean −0.0006349
Std Dev 0.3198

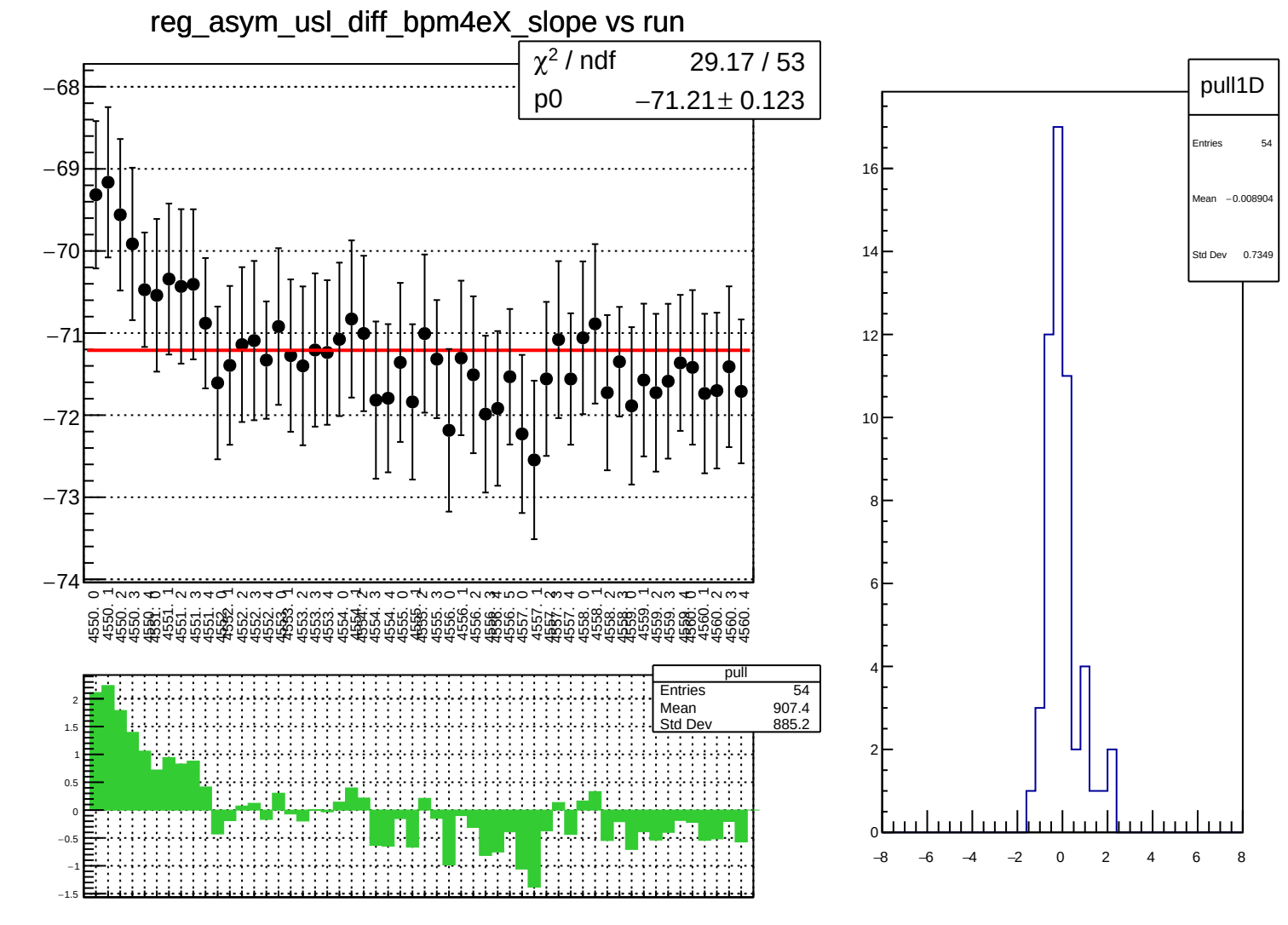

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 107 / 53
p0 19.57 ± 1.721
pull
Entries 54
Mean −14.95
Std Dev 14.69
pull1D
Entries 54
Mean −0.1049
Std Dev 1.404

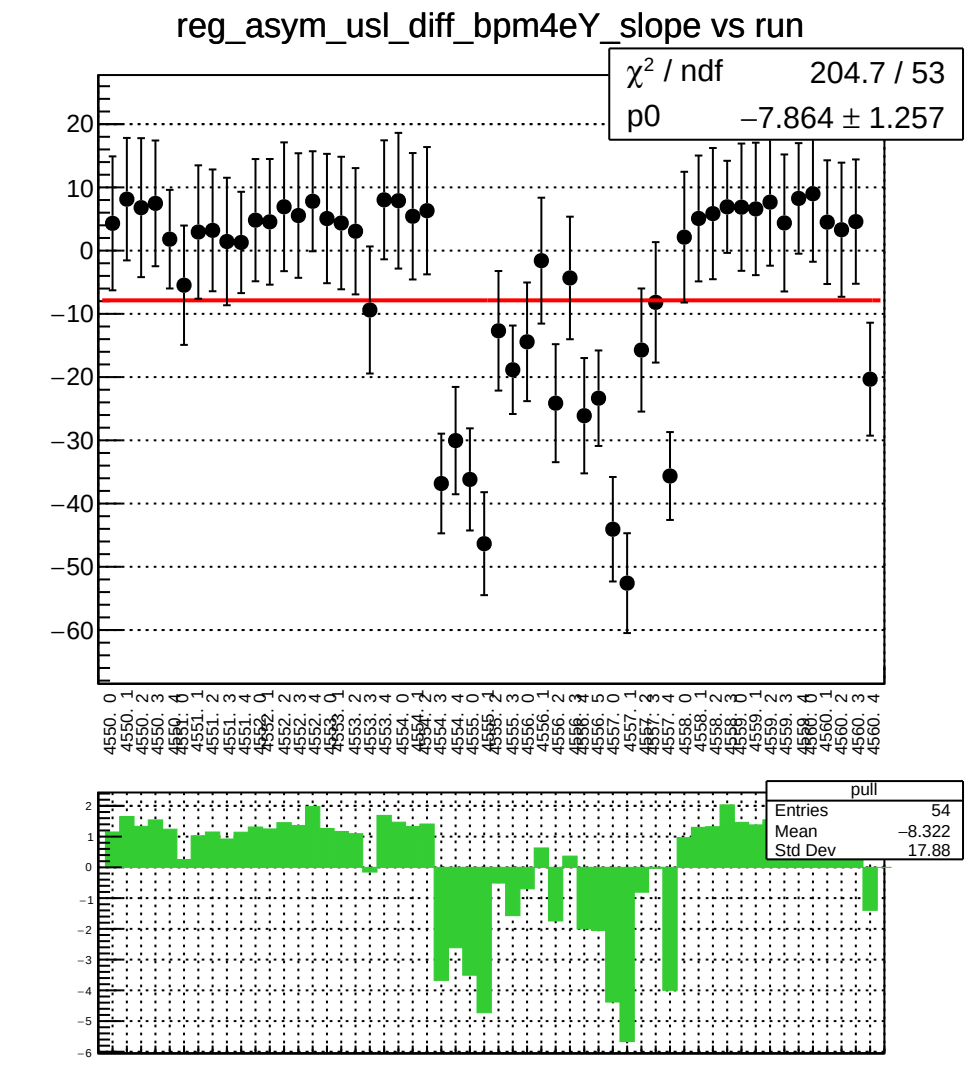

reg_asym_atl_dd_atr_dd_dd_diff_bpm11X_slope vs run
χ² / ndf 10.94 / 53
p0 −62.8 ± 0.3417
pull
Entries 54
Mean −416.3
Std Dev 440.1
pull1D
Entries 54
Mean −0.009561
Std Dev 0.4499

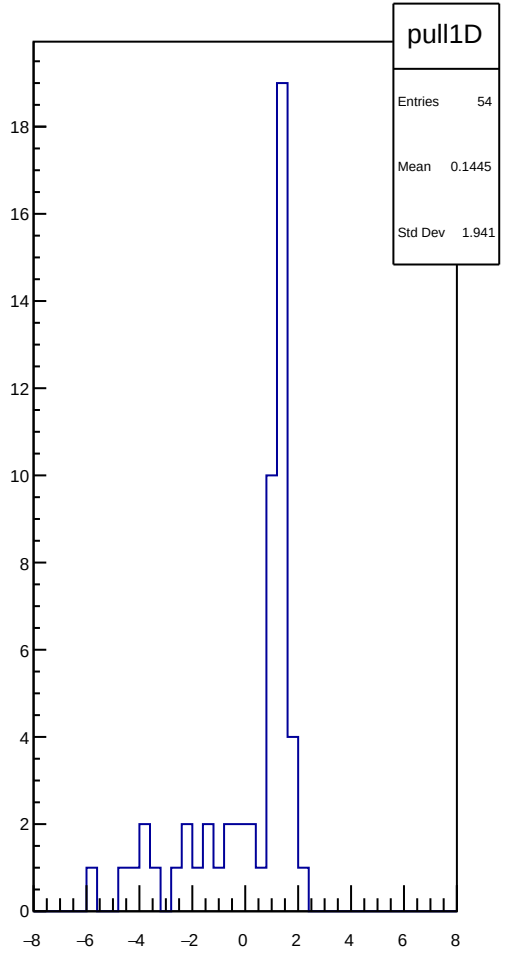

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 4.695 / 53
p0 24.19 ± 0.7433
pull
Entries 54
Mean 167.7
Std Dev 156.4

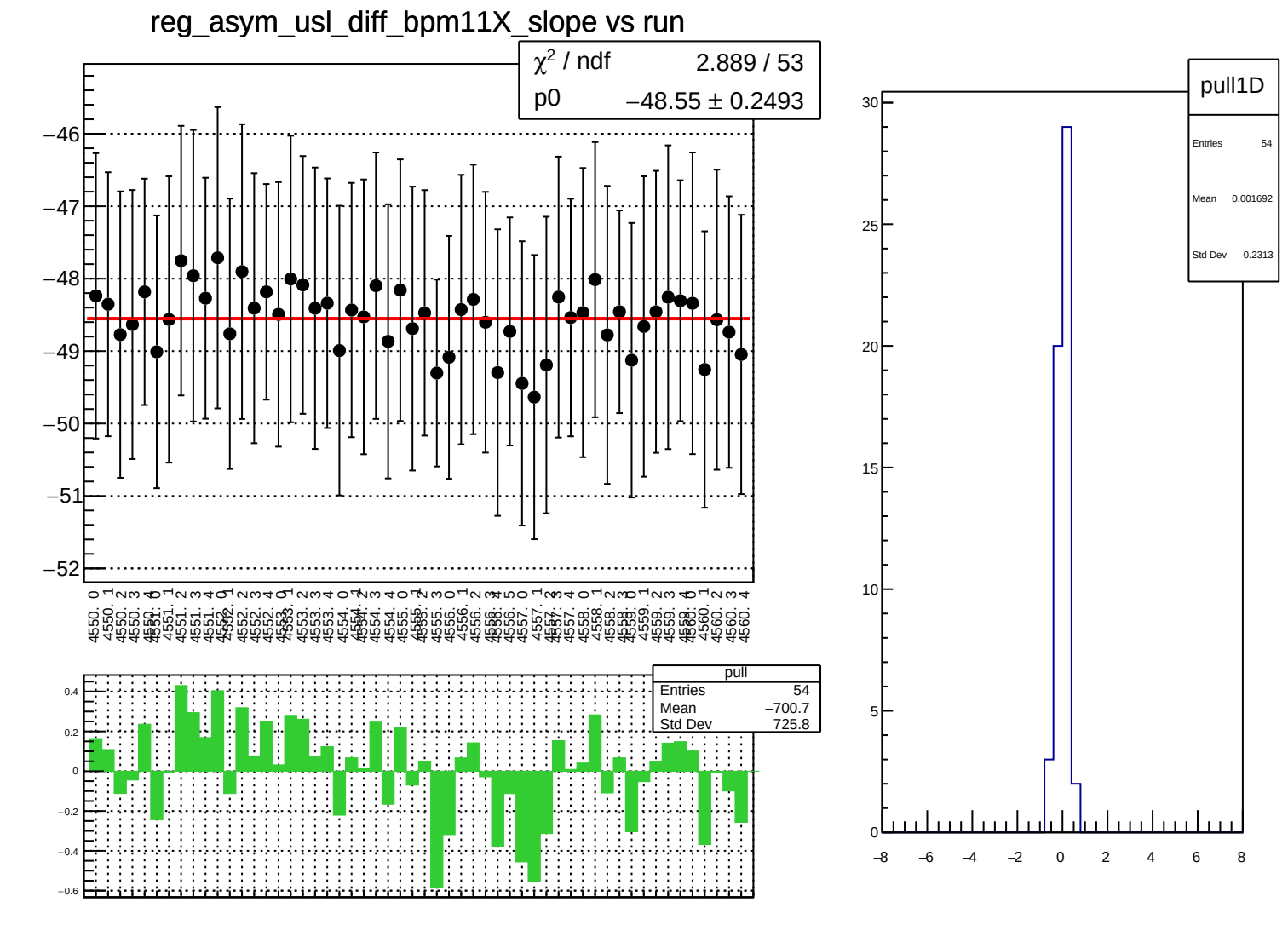

pull1D
Entries 54
Mean −0.00229
Std Dev 0.2949

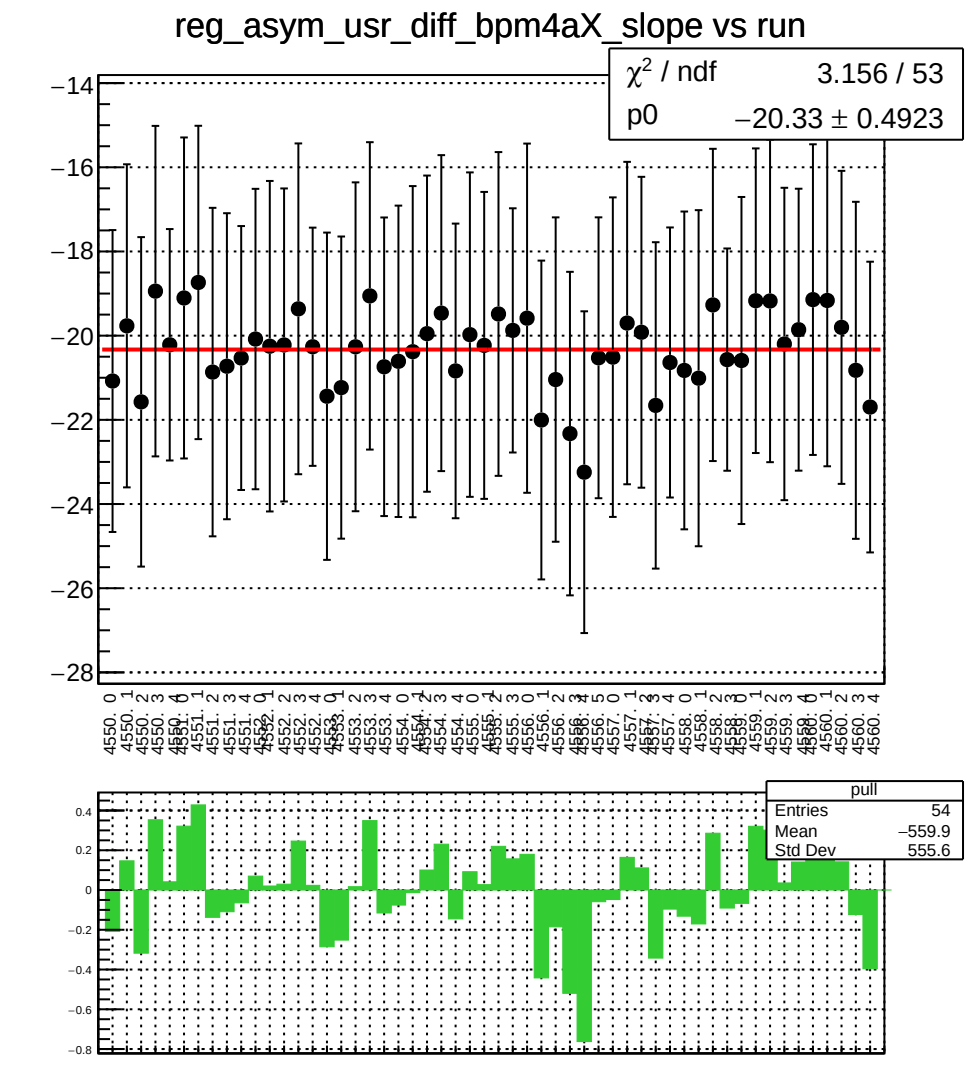

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 200.1 / 53
p0 18.09 ± 0.9351
pull
Entries 54
Mean −9.468
Std Dev 15.66
pull1D
Entries 54
Mean −0.1395
Std Dev 1.92

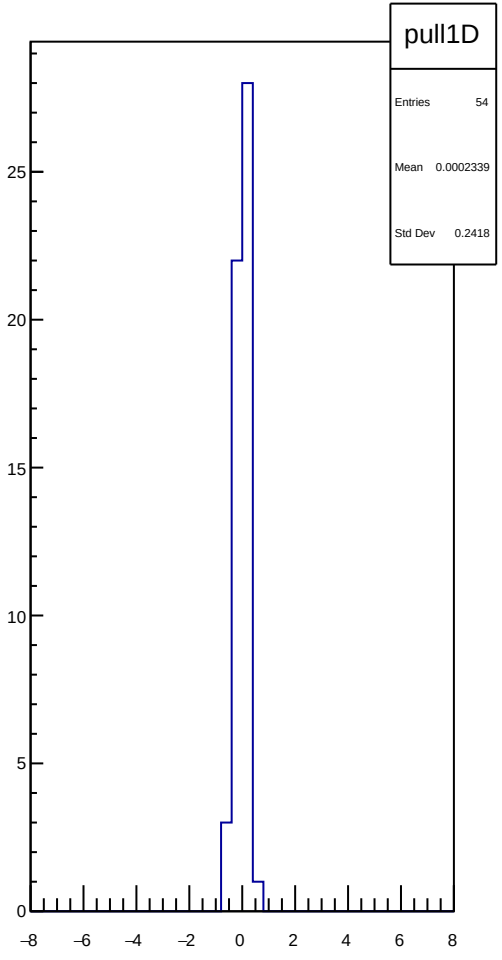

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 29.17 / 53
p0 −71.21 ± 0.123
pull
Entries 54
Mean 907.4
Std Dev 885.2
pull1D
Entries 54
Mean −0.008904
Std Dev 0.7349

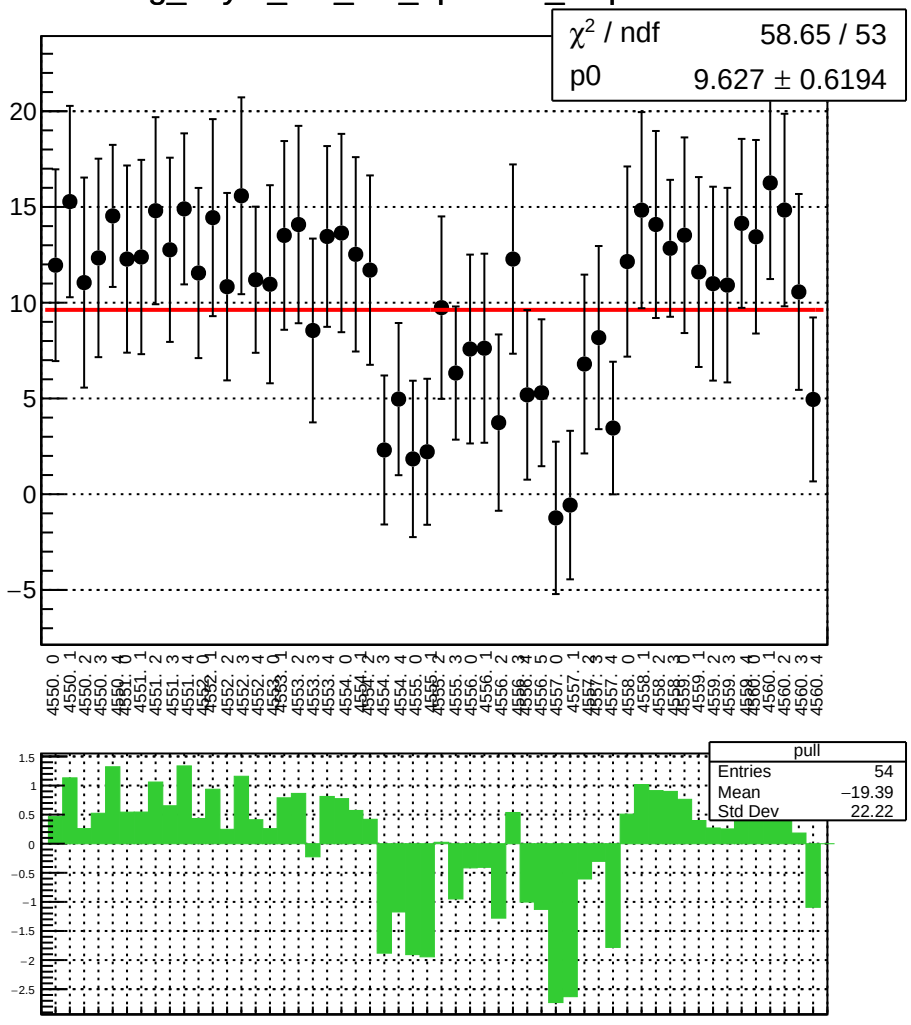

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 204.7 / 53
p0 −7.864 ± 1.257
pull
Entries 54
Mean −8.322
Std Dev 17.88

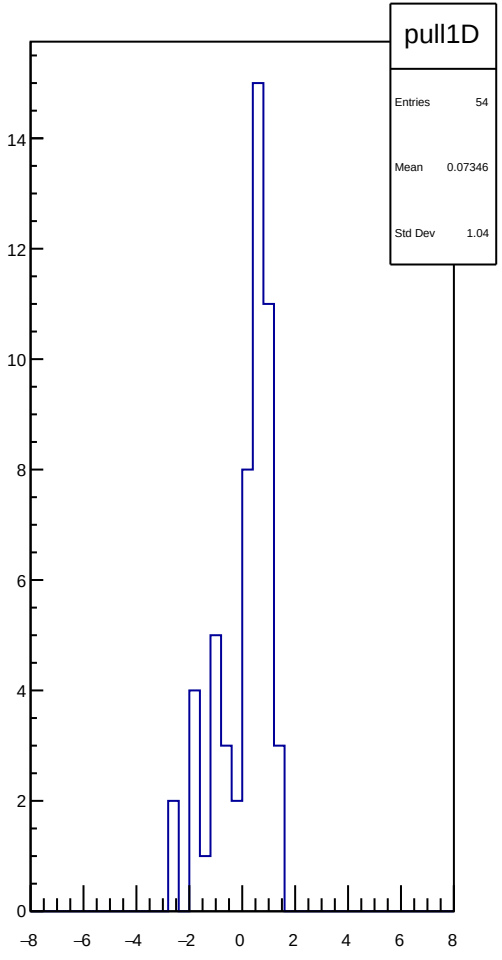

pull1D
Entries 54
Mean 0.1445
Std Dev 1.941

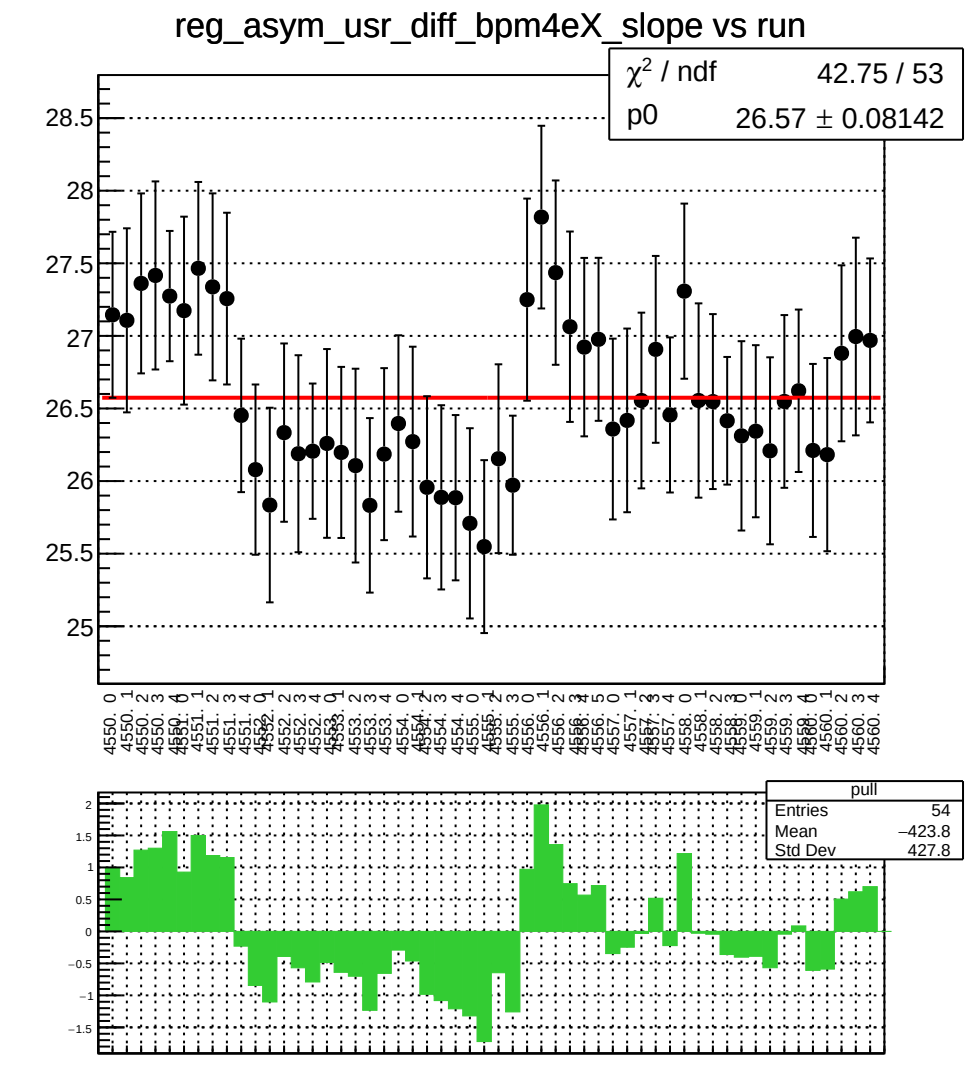

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 2.889 / 53
p0 −48.55 ± 0.2493
pull
Entries 54
Mean −700.7
Std Dev 725.8
pull1D
Entries 54
Mean 0.001692
Std Dev 0.2313

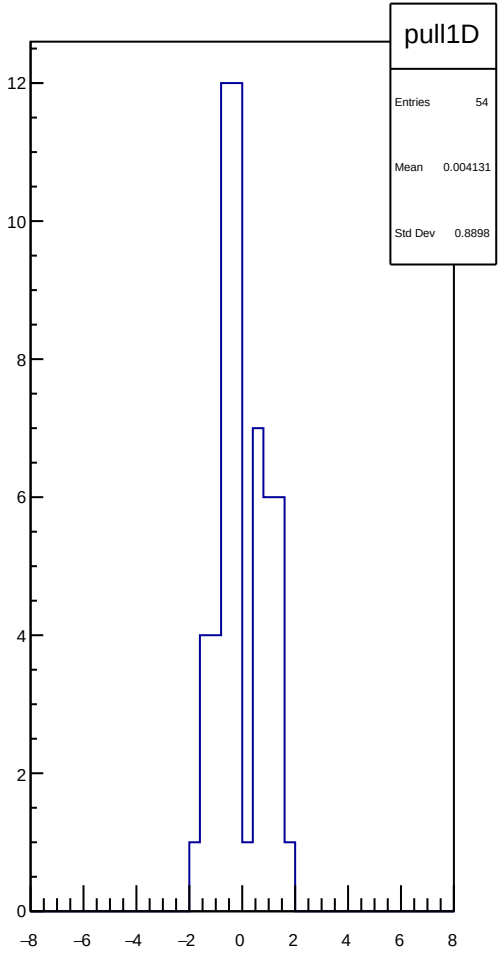

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 3.156 / 53
p0 −20.33 ± 0.4923
pull
Entries 54
Mean −559.9
Std Dev 555.6

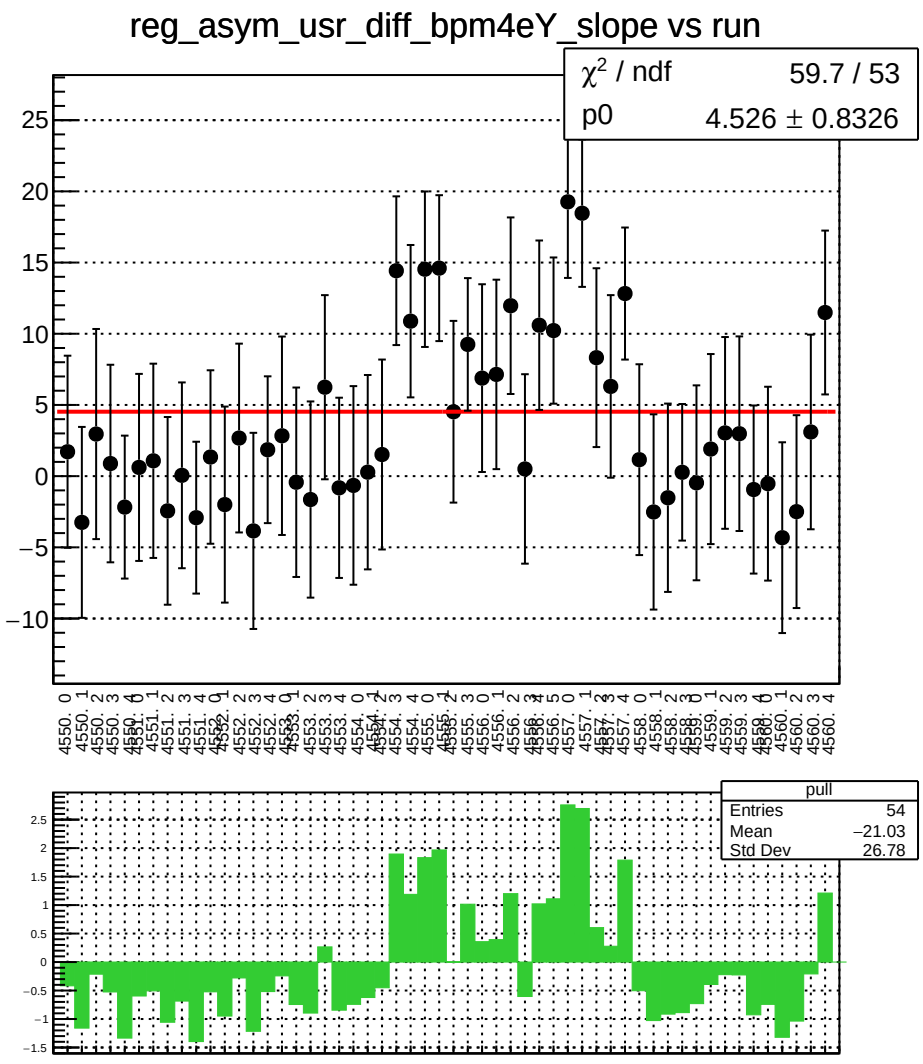

pull1D
Entries 54
Mean 0.0002339
Std Dev 0.2418

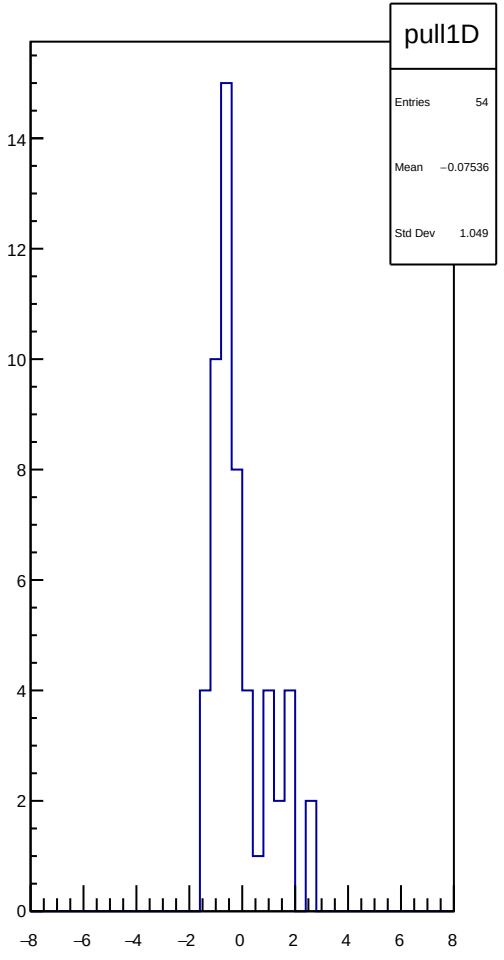

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 58.65 / 53
p0 9.627 ± 0.6194
pull
Entries 54
Mean −19.39
Std Dev 22.22

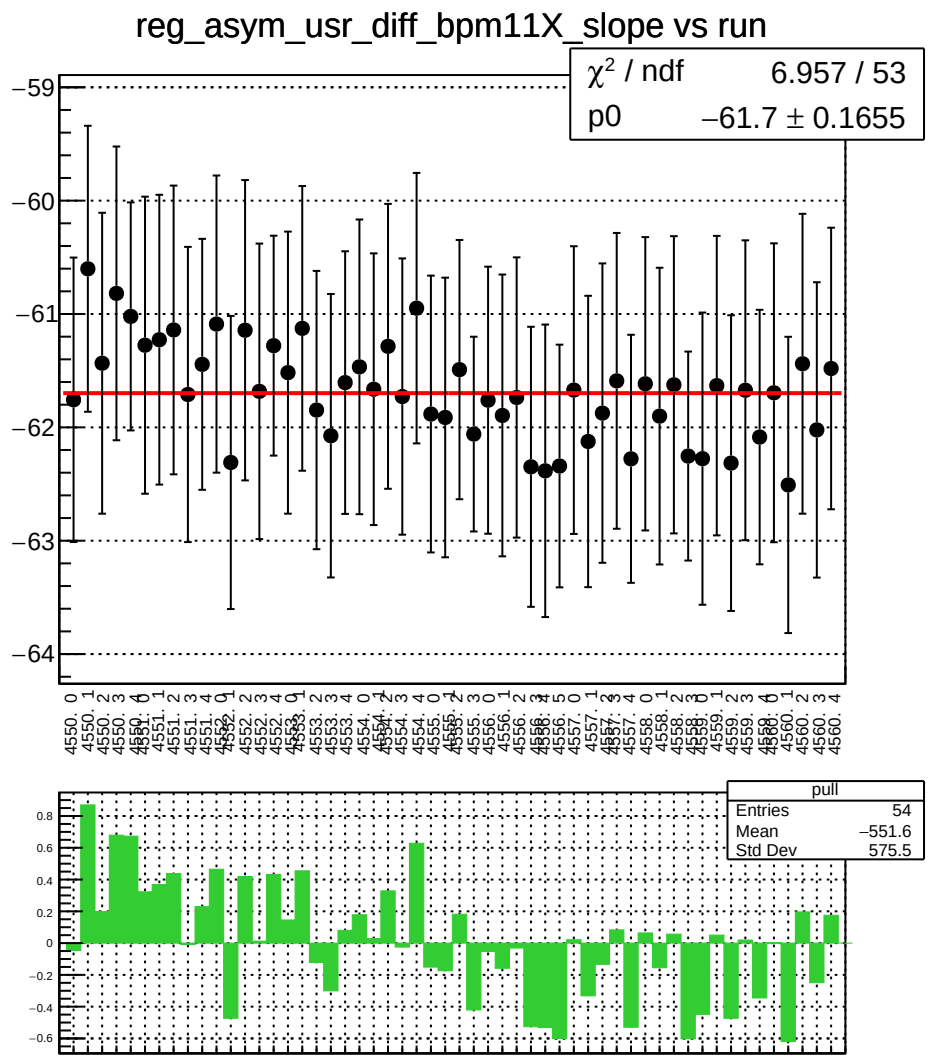

pull1D
Entries 54
Mean 0.07346
Std Dev 1.04

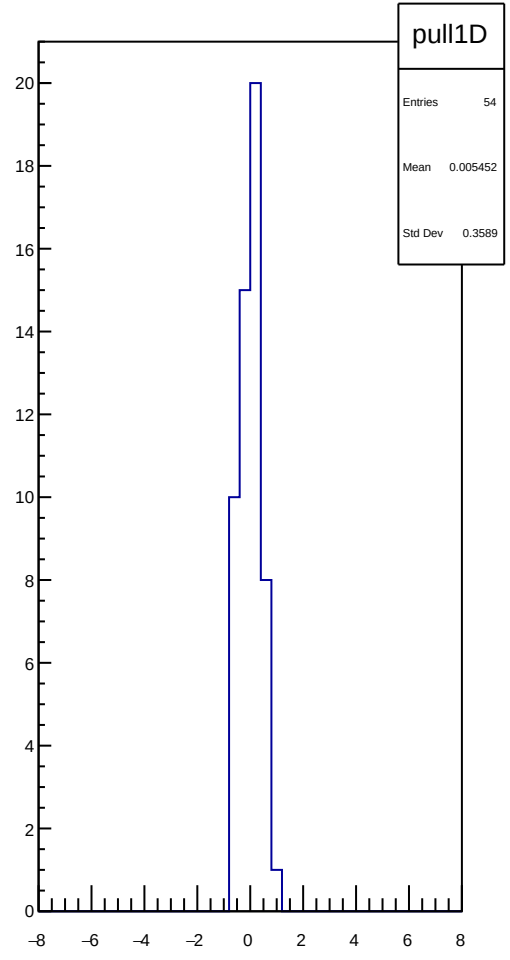

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 42.75 / 53
p0 26.57 ± 0.08142
pull
Entries 54
Mean −423.8
Std Dev 427.8

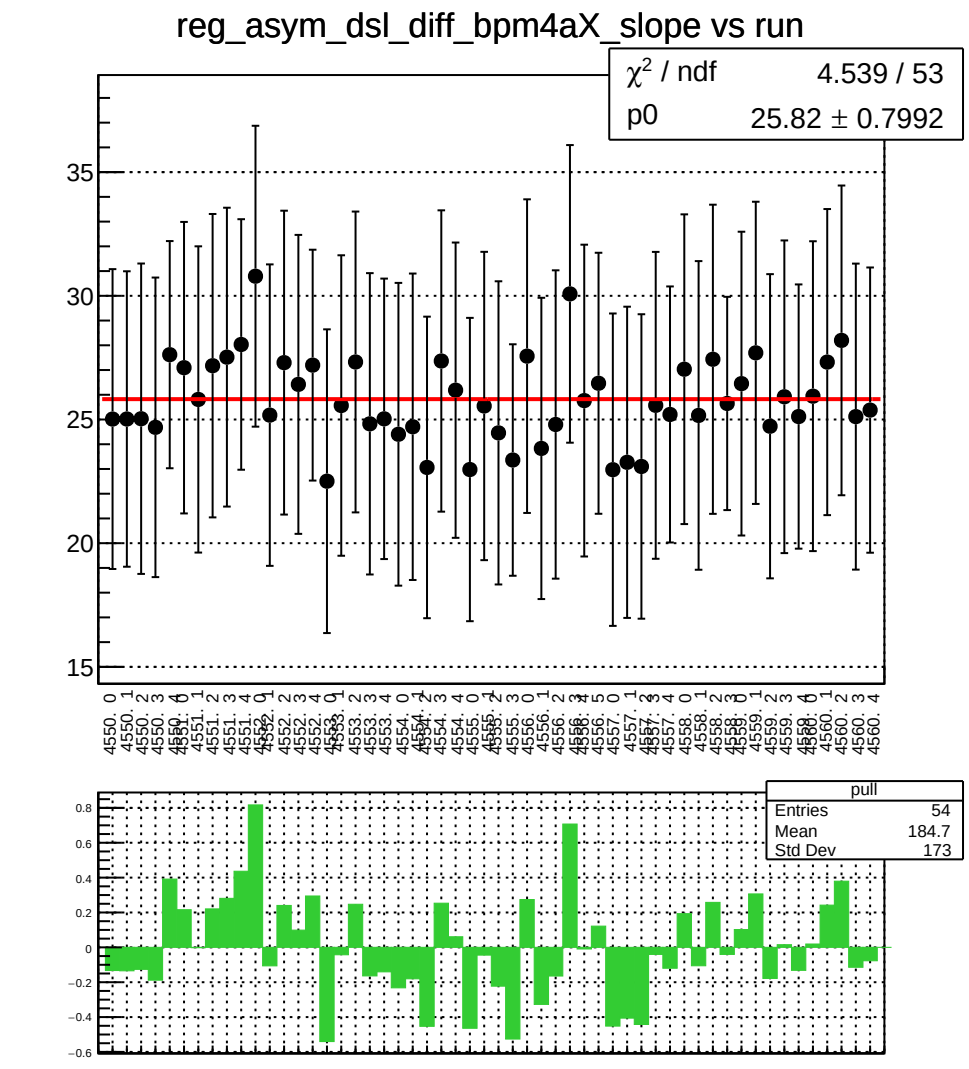

pull1D
Entries 54
Mean 0.004131
Std Dev 0.8898

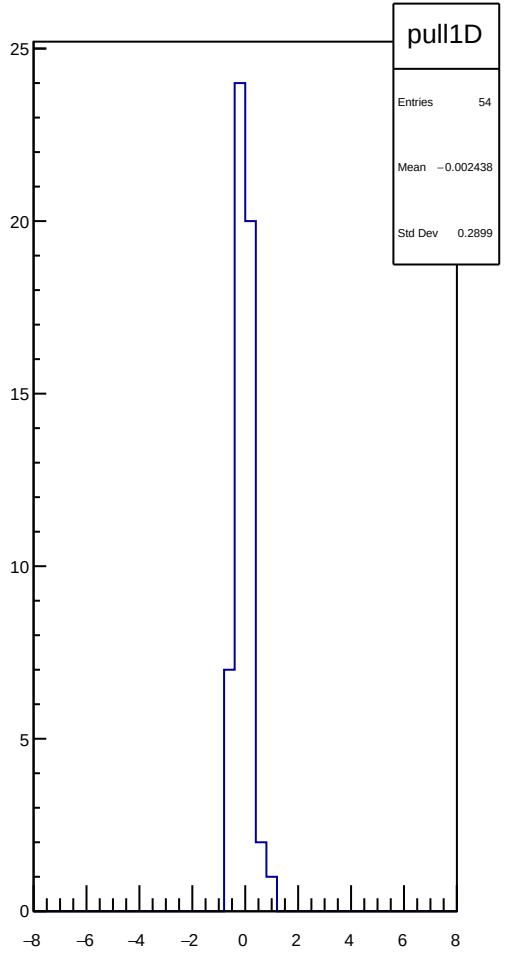

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 59.7 / 53
p0 4.526 ± 0.8326
pull
Entries 54
Mean −21.03
Std Dev 26.78

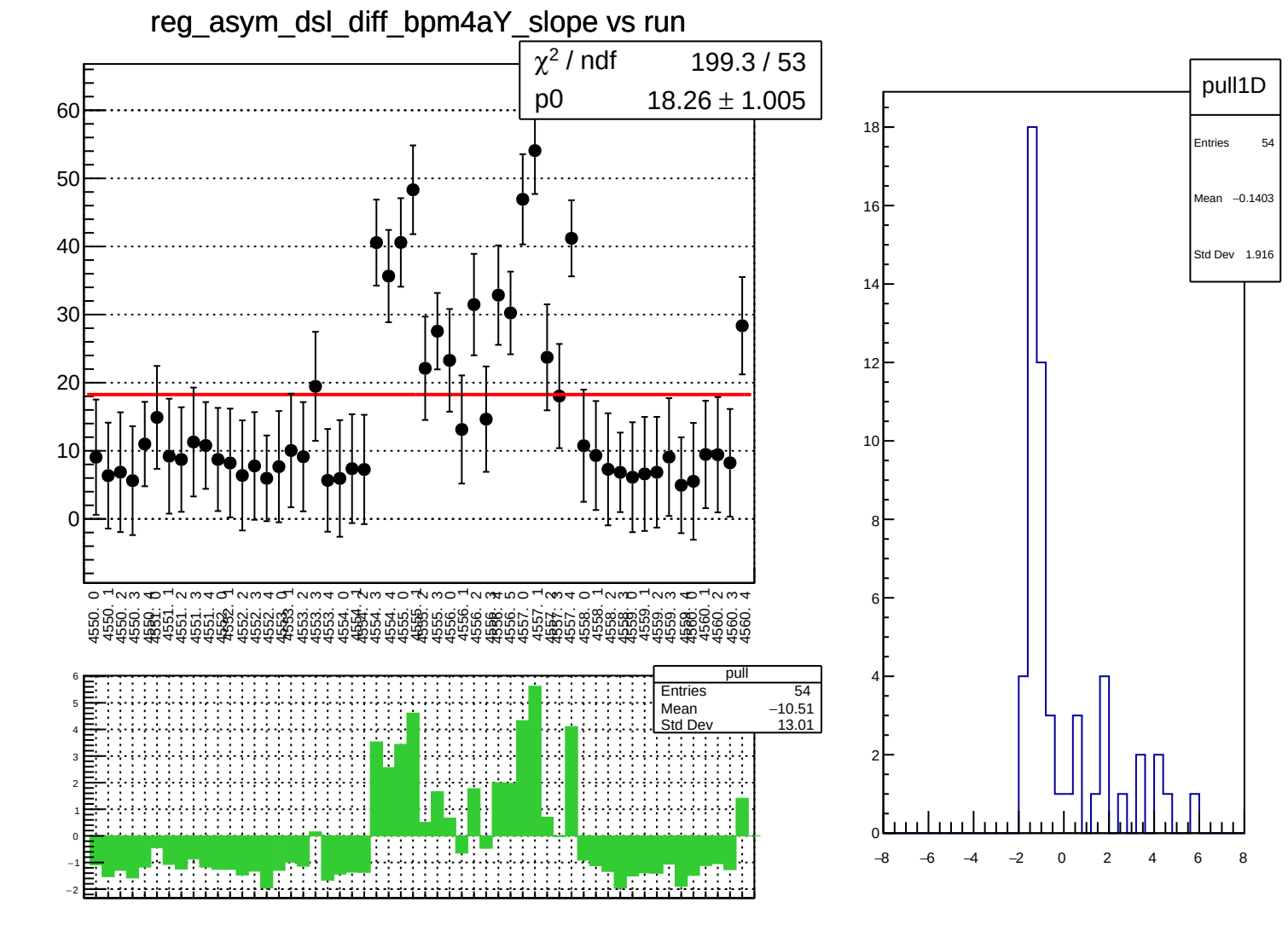

pull1D
Entries 54
Mean −0.07536
Std Dev 1.049

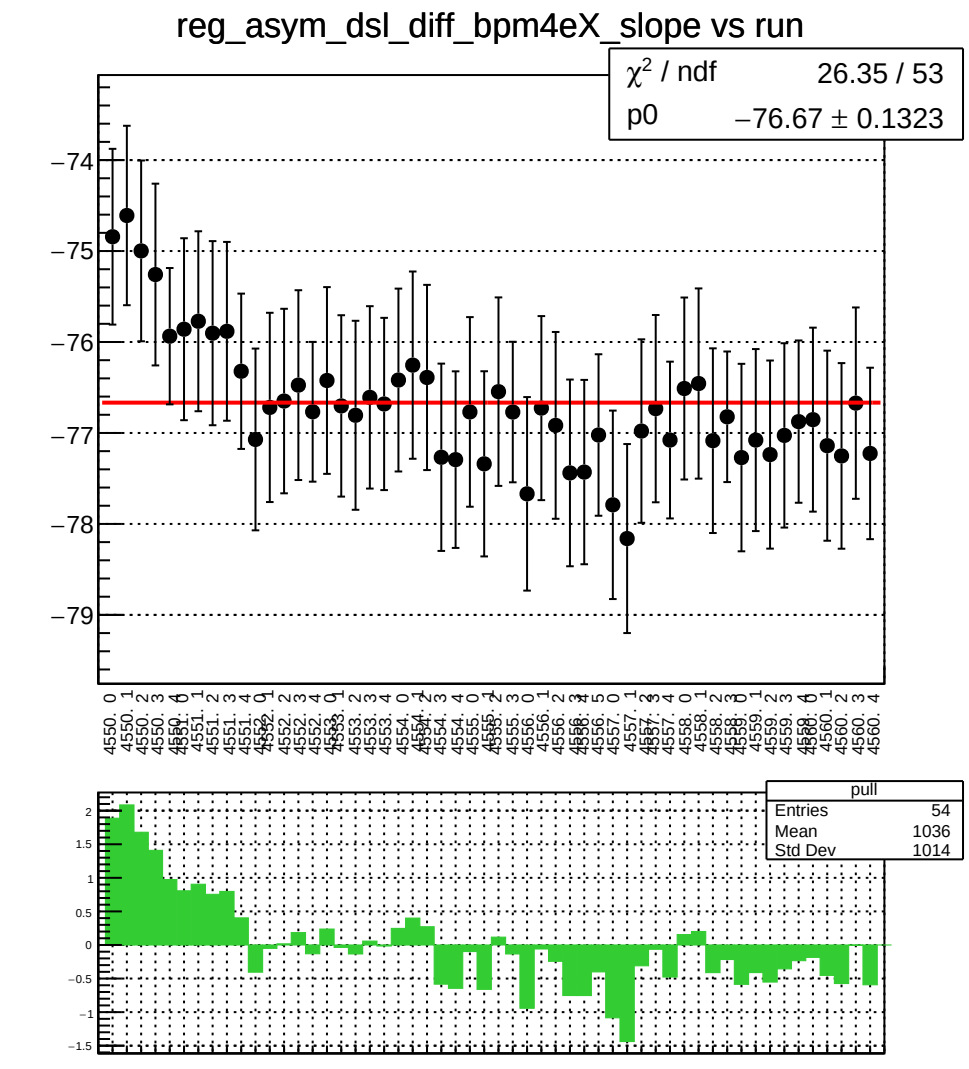

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 6.957 / 53
p0 −61.7 ± 0.1655
pull
Entries 54
Mean −551.6
Std Dev 575.5

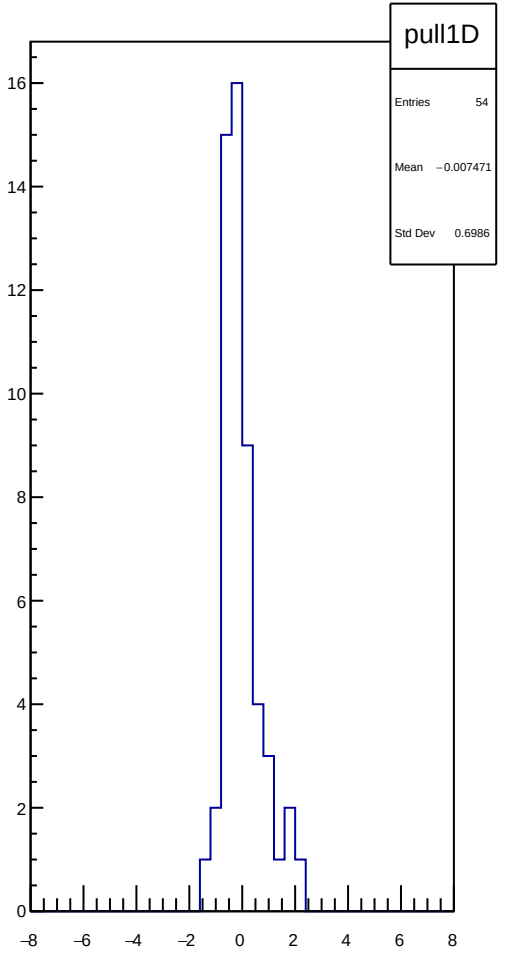

pull1D
Entries 54
Mean 0.005452
Std Dev 0.3589

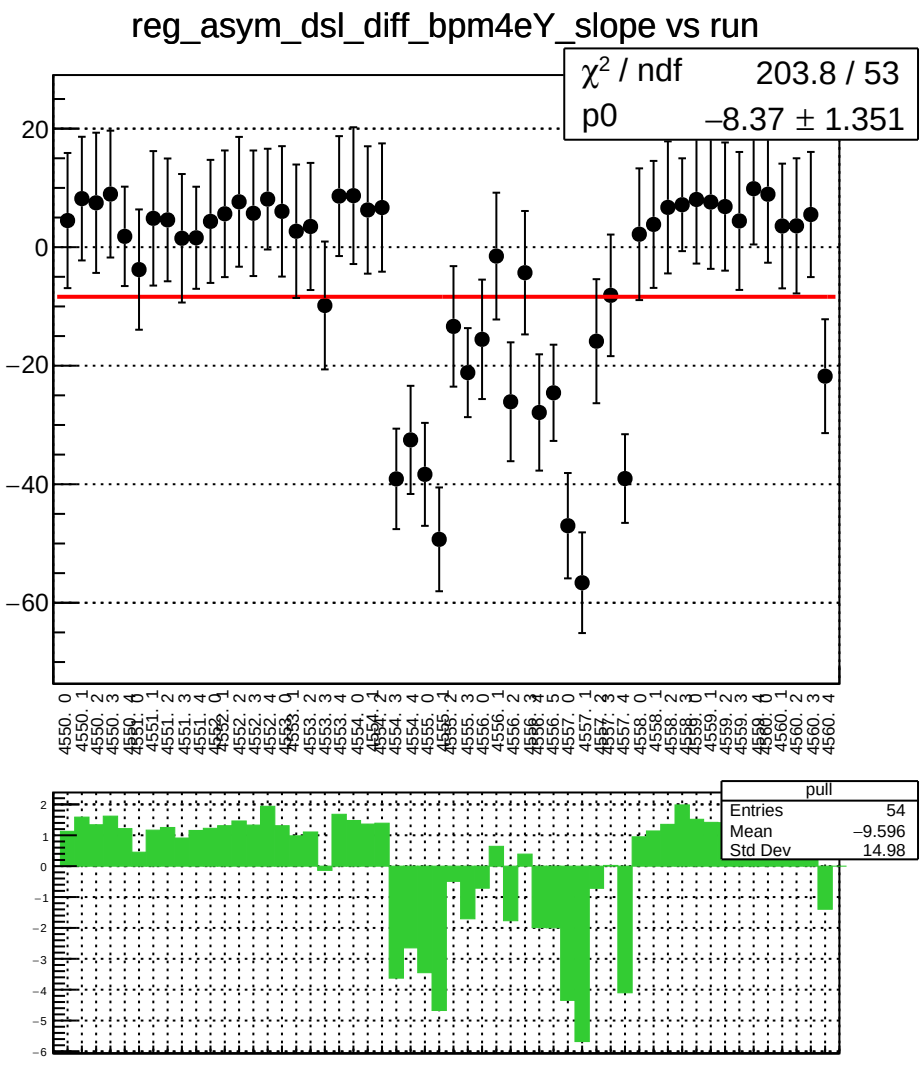

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 4.539 / 53
p0 25.82 ± 0.7992
pull
Entries 54
Mean 184.7
Std Dev 173

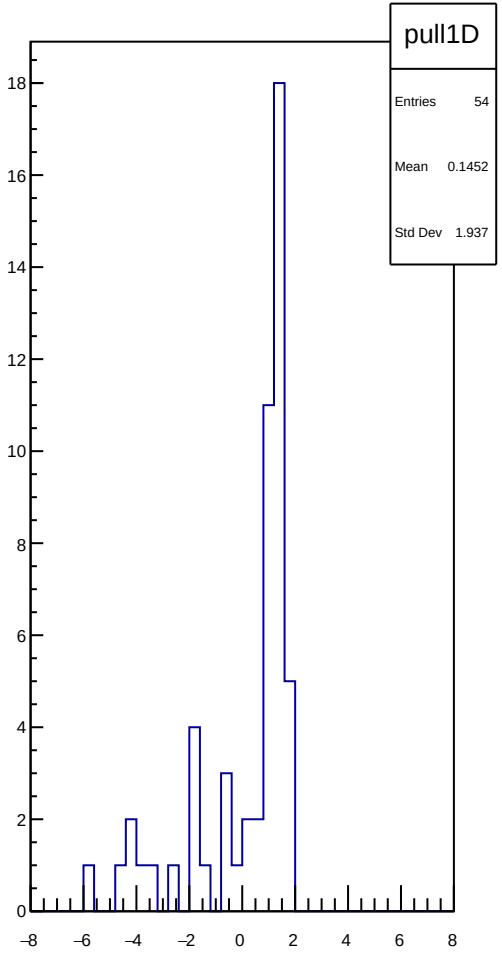

pull1D
Entries 54
Mean −0.002438
Std Dev 0.2899

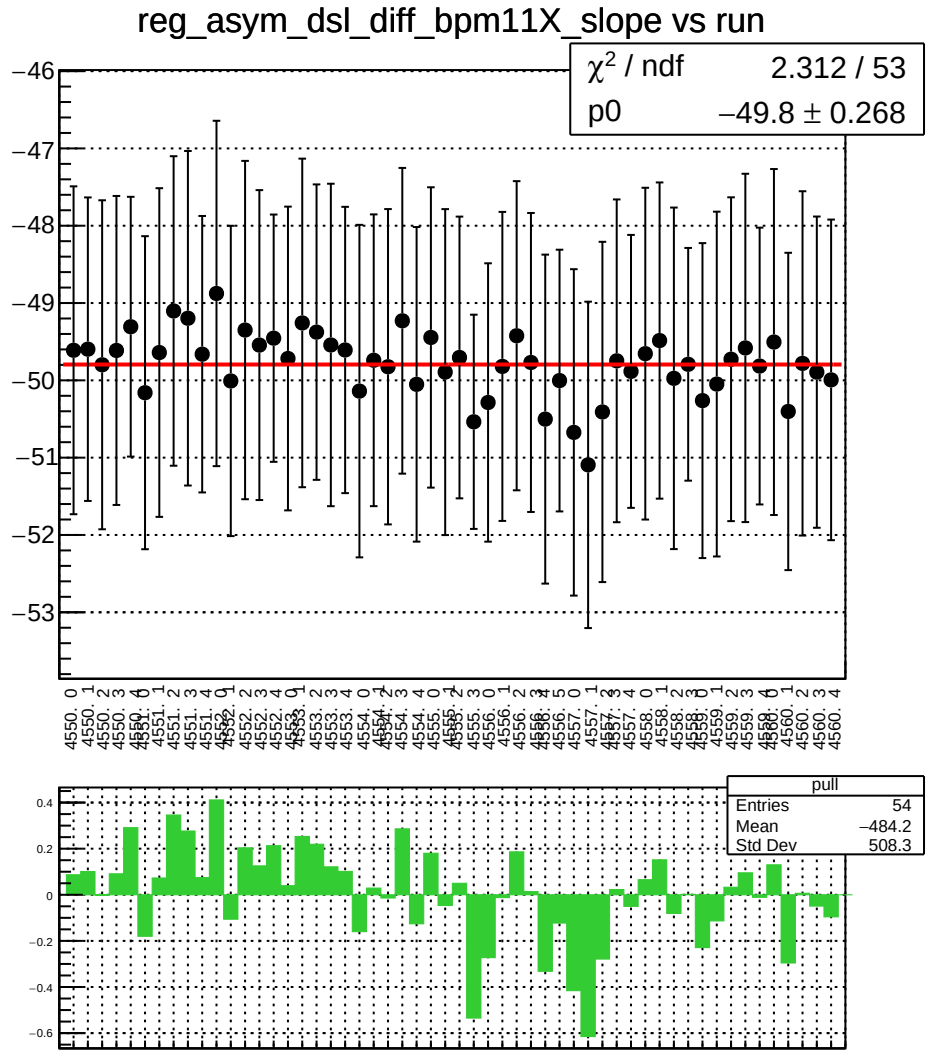

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 199.3 / 53
p0 18.26 ± 1.005
pull
Entries 54
Mean −10.51
Std Dev 13.01
pull1D
Entries 54
Mean −0.1403
Std Dev 1.916

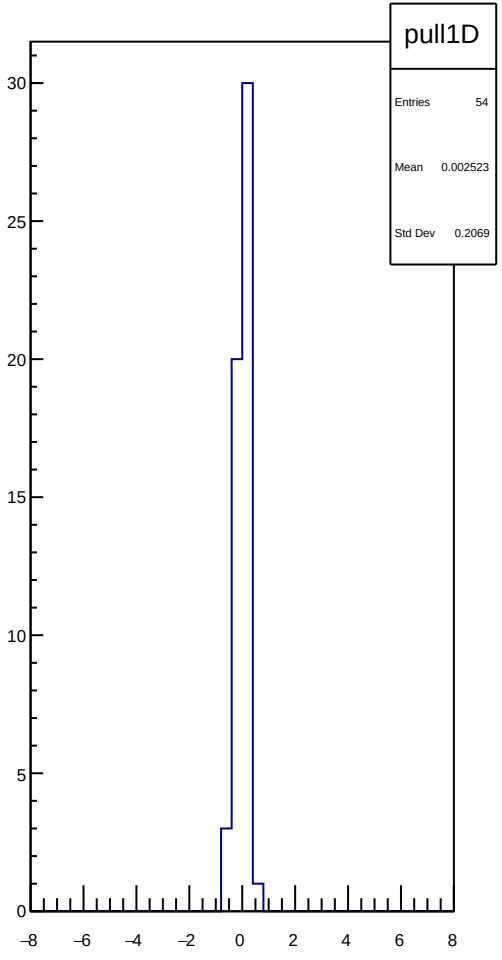

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 26.35 / 53
p0 −76.67 ± 0.1323
pull
Entries 54
Mean 1036
Std Dev 1014

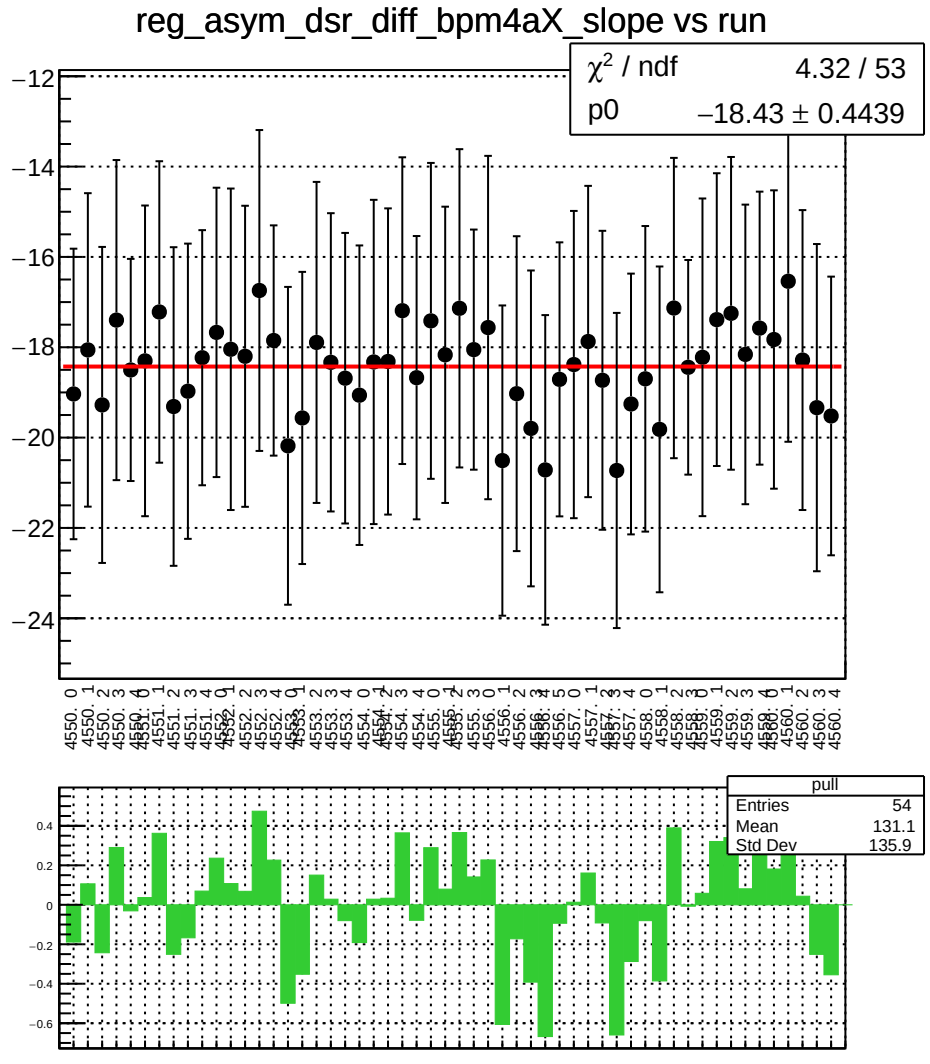

pull1D
Entries 54
Mean −0.007471
Std Dev 0.6986

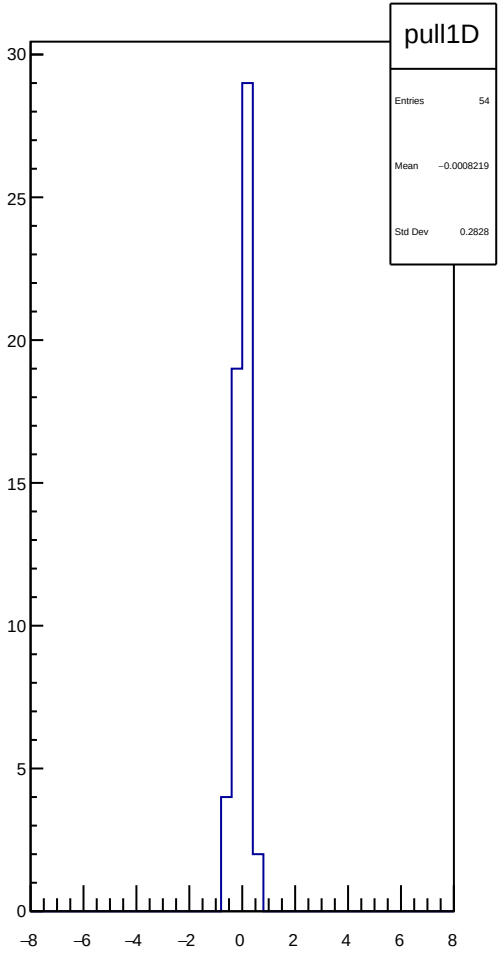

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 203.8 / 53
p0 −8.37 ± 1.351
pull
Entries 54
Mean −9.596
Std Dev 14.98

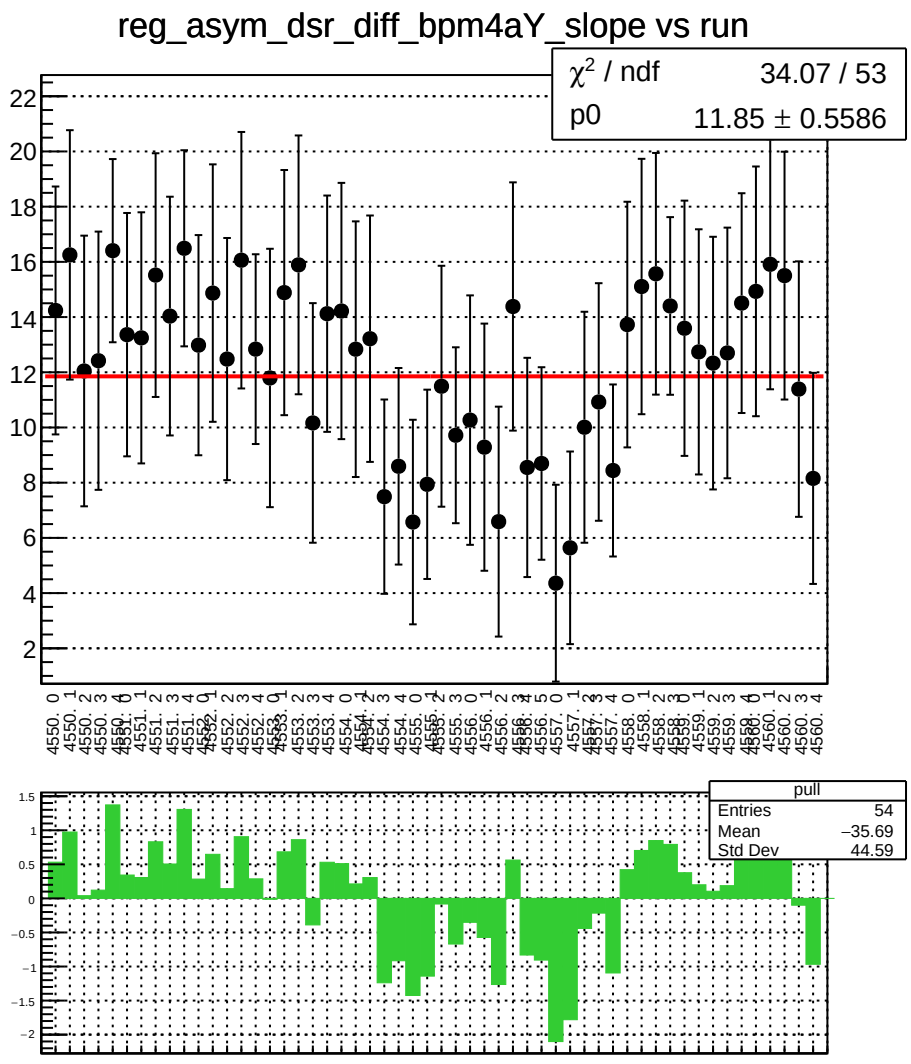

pull1D
Entries 54
Mean 0.1452
Std Dev 1.937

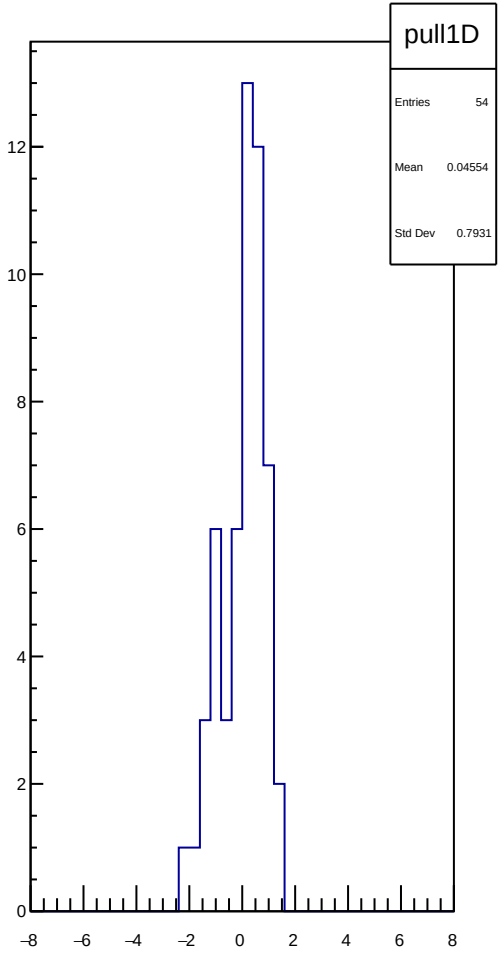

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 2.312 / 53
p0 −49.8 ± 0.268
pull
Entries 54
Mean −484.2
Std Dev 508.3

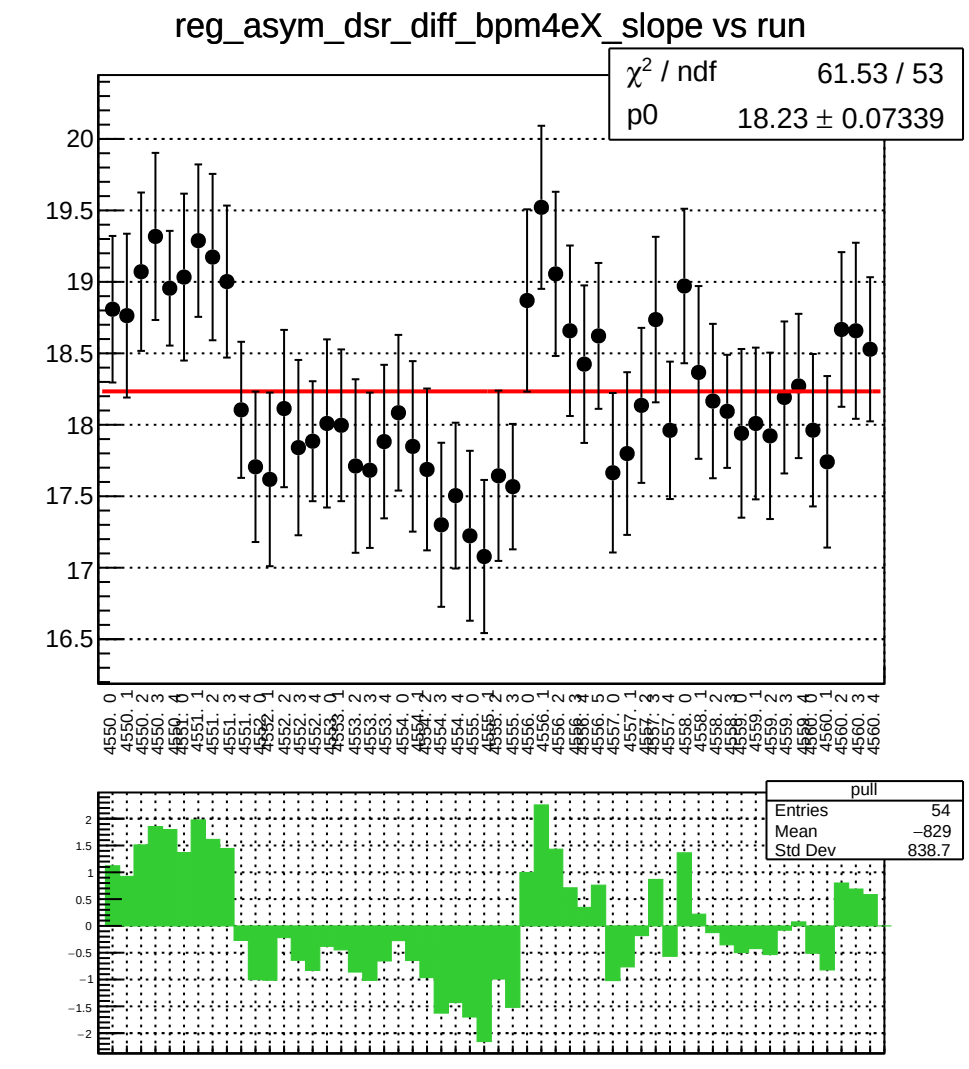

pull1D
Entries 54
Mean 0.002523
Std Dev 0.2069

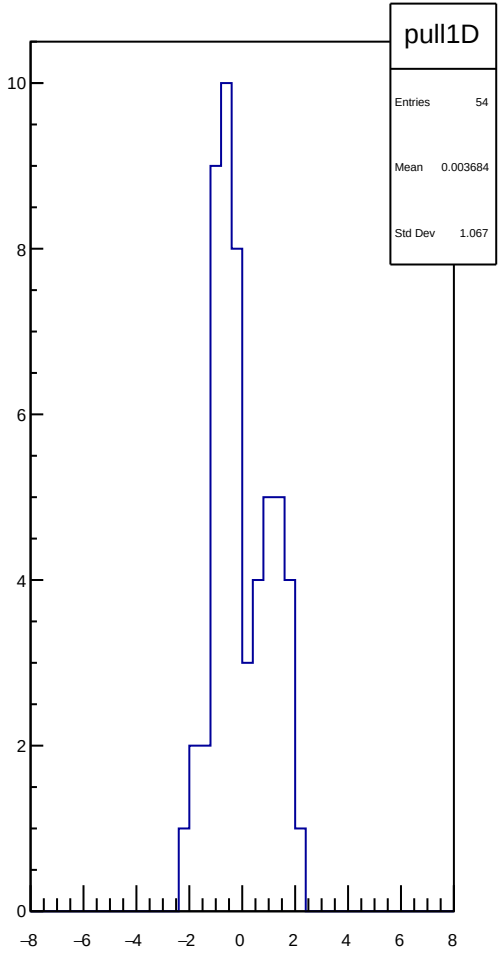

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 4.32 / 53
p0 −18.43 ± 0.4439
pull
Entries 54
Mean 131.1
Std Dev 135.9

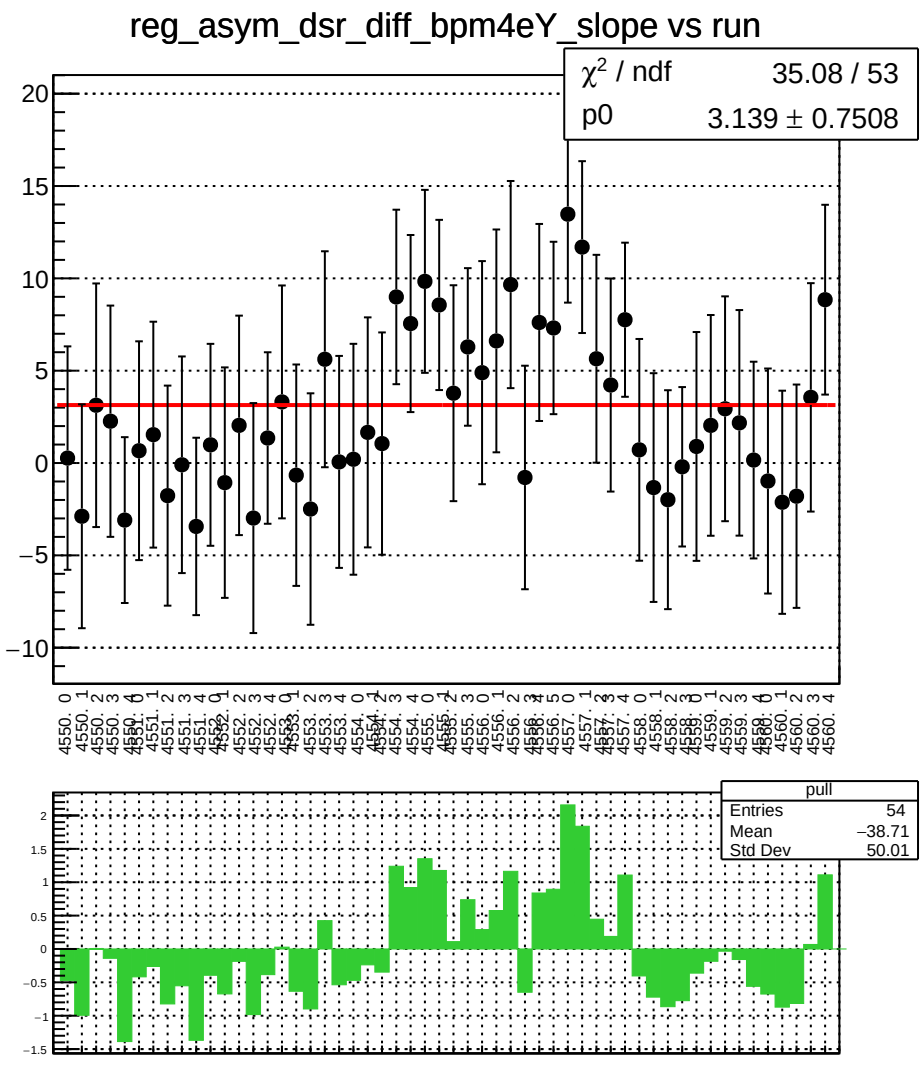

pull1D
Entries 54
Mean −0.0008219
Std Dev 0.2828

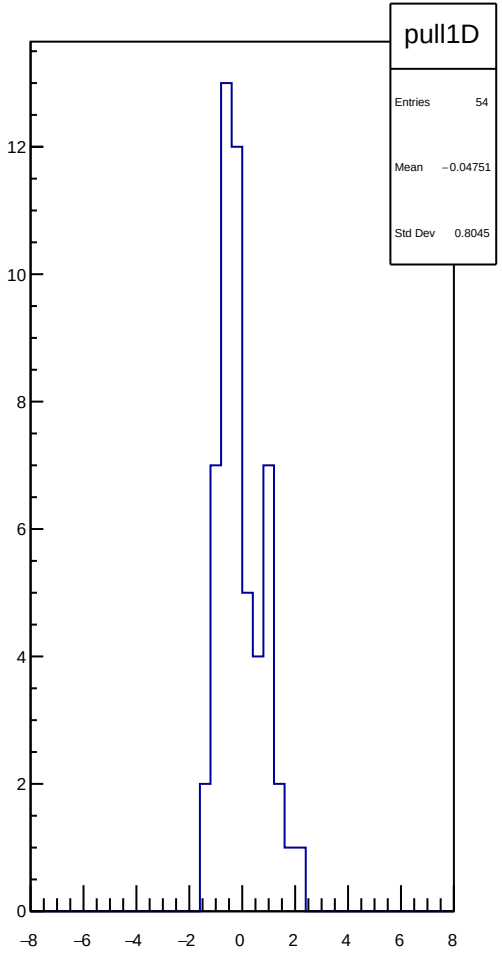

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 34.07 / 53
p0 11.85 ± 0.5586
pull
Entries 54
Mean −35.69
Std Dev 44.59

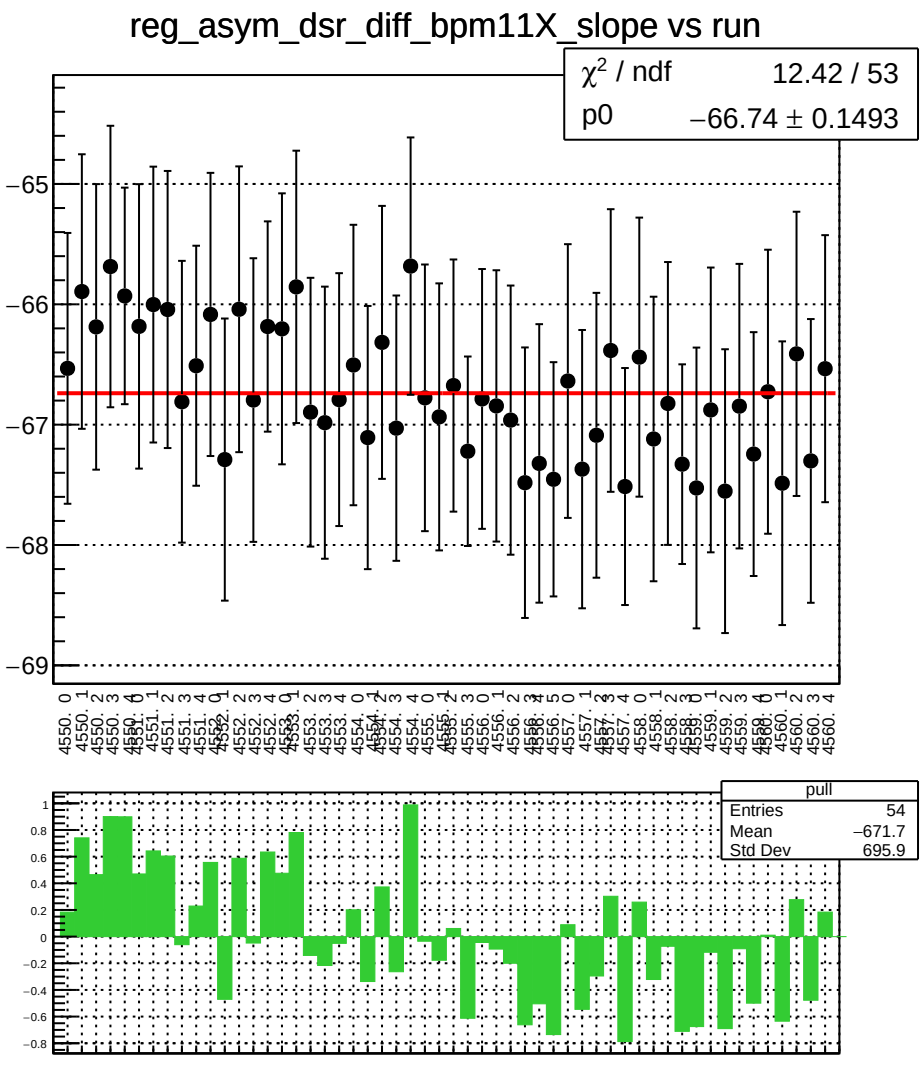

pull1D
Entries 54
Mean 0.04554
Std Dev 0.7931

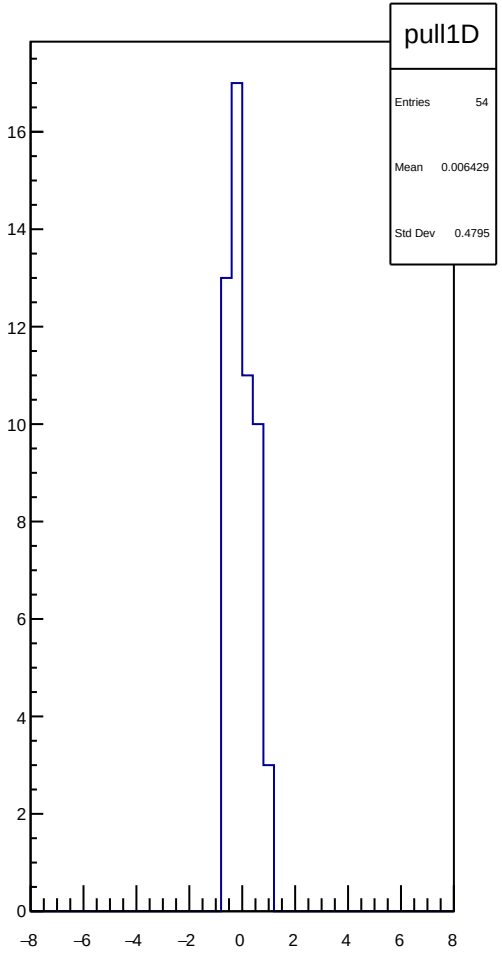

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 61.53 / 53
p0 18.23 ± 0.07339
pull
Entries 54
Mean −829
Std Dev 838.7

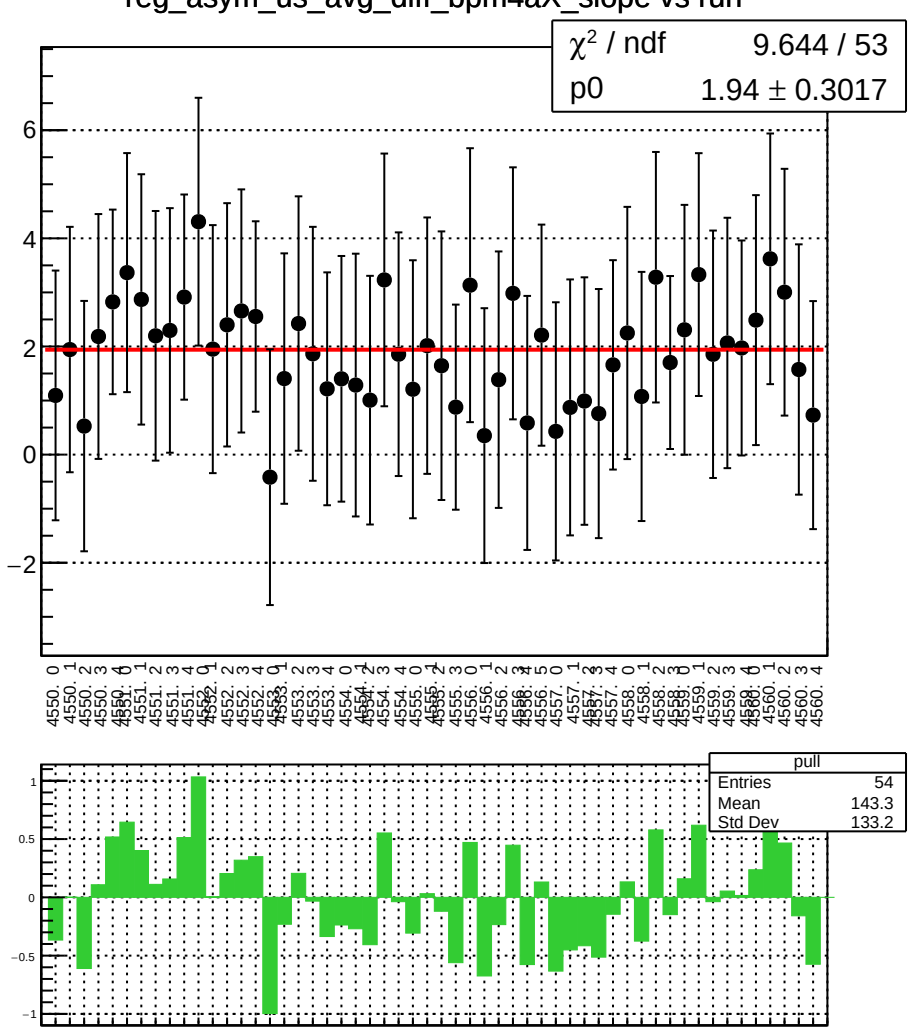

pull1D
Entries 54
Mean 0.003684
Std Dev 1.067

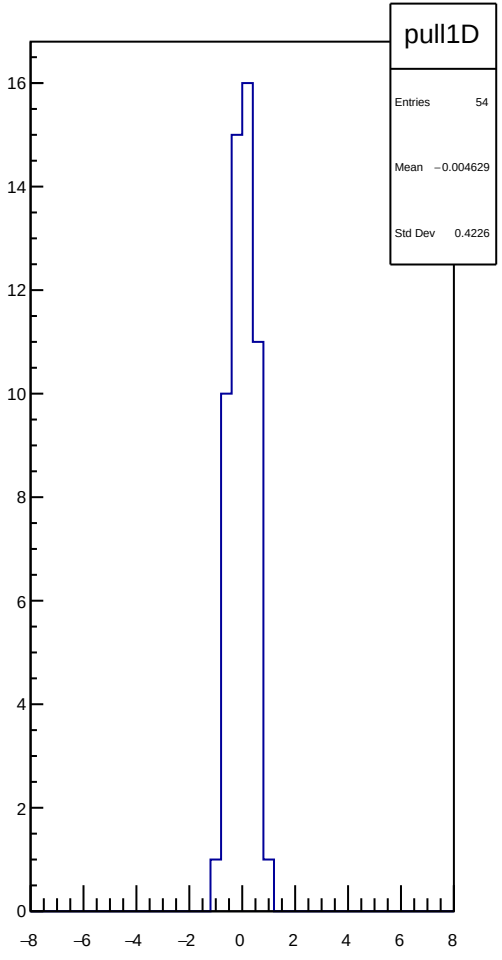

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 35.08 / 53
p0 3.139 ± 0.7508
pull
Entries 54
Mean −38.71
Std Dev 50.01

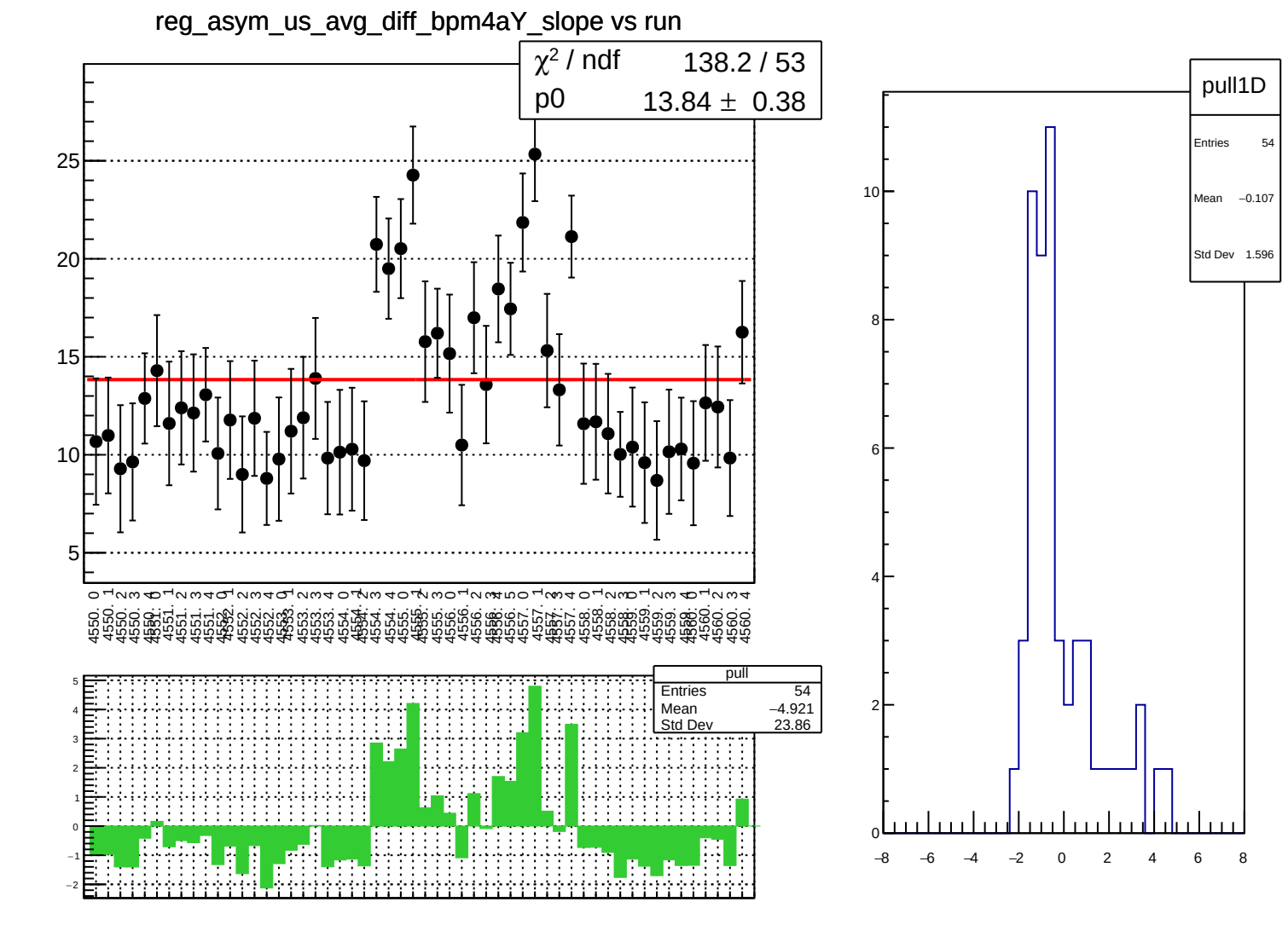

pull1D
Entries 54
Mean −0.04751
Std Dev 0.8045

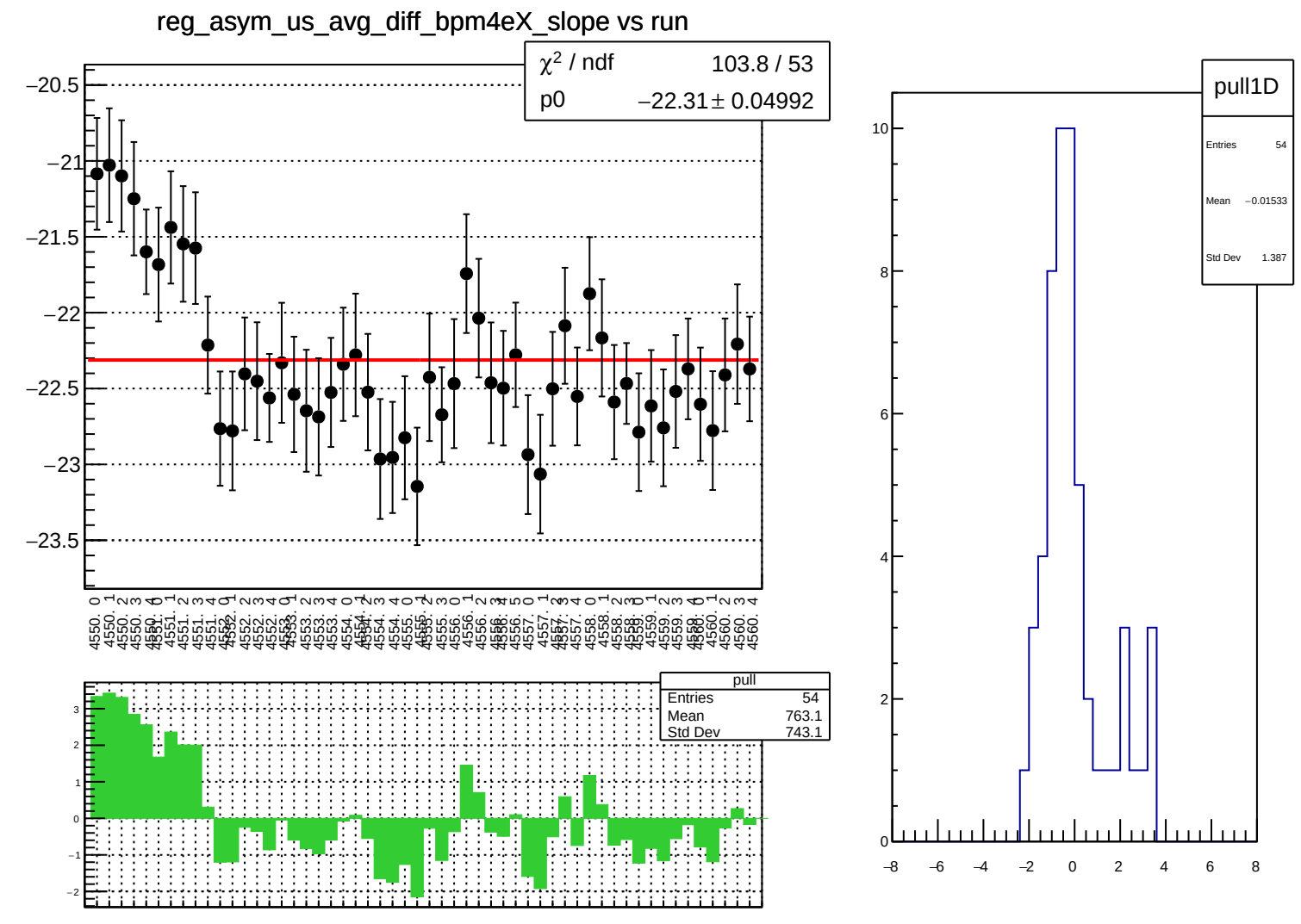

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 12.42 / 53
p0 −66.74 ± 0.1493
pull
Entries 54
Mean −671.7
Std Dev 695.9

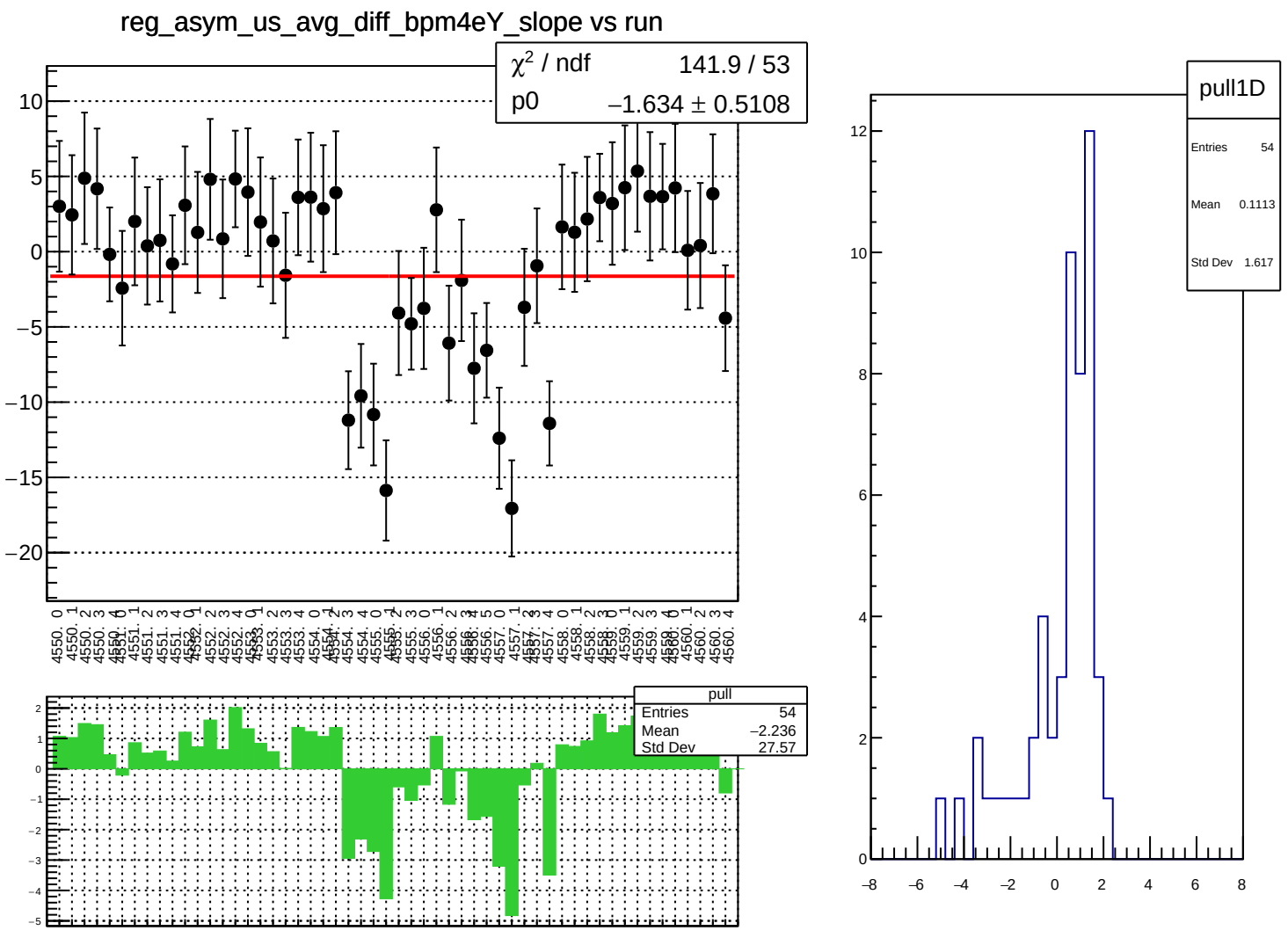

pull1D
Entries 54
Mean 0.006429
Std Dev 0.4795

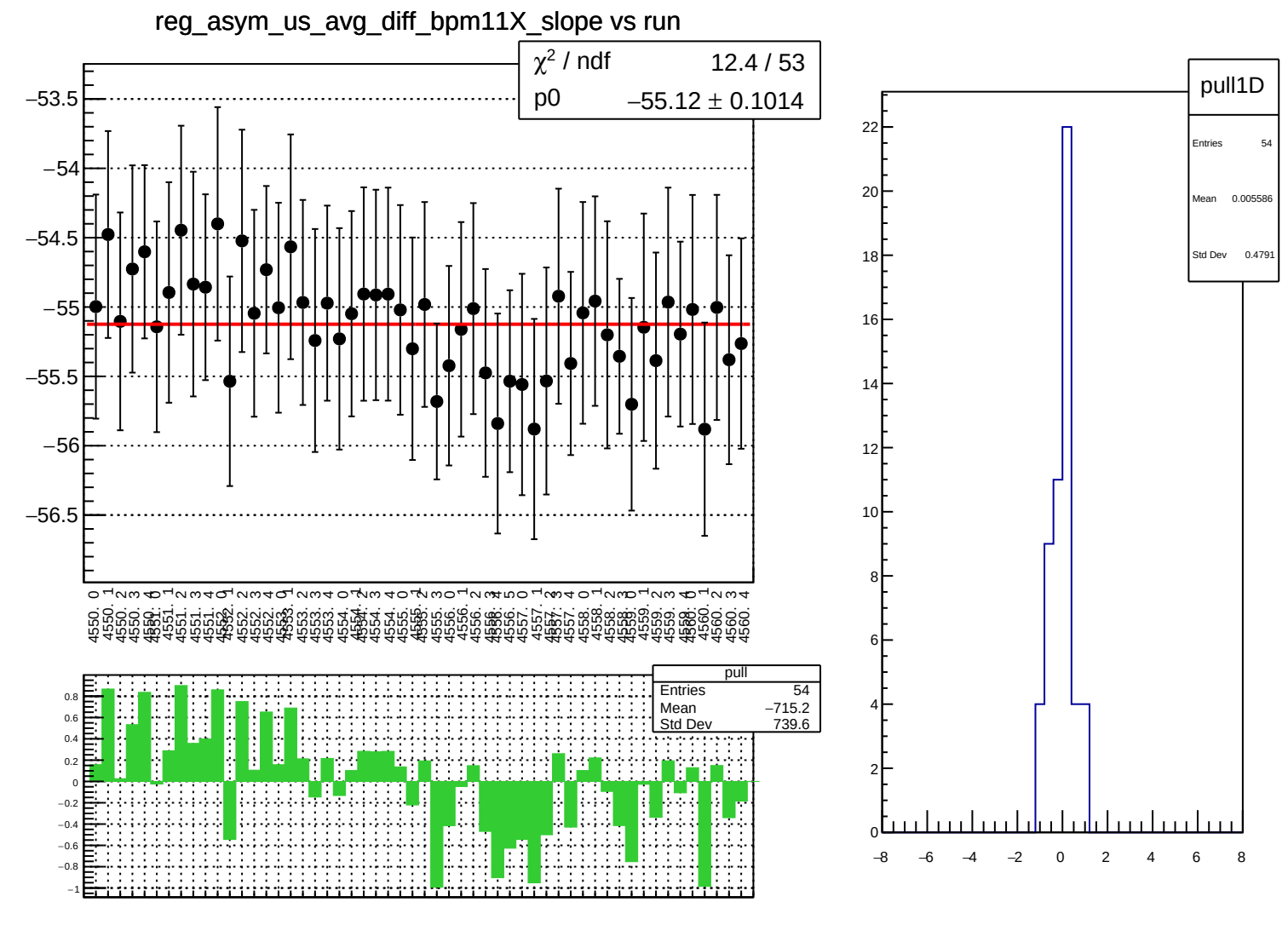

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 9.644 / 53
p0 1.94 ± 0.3017
pull
Entries 54
Mean 143.3
Std Dev 133.2

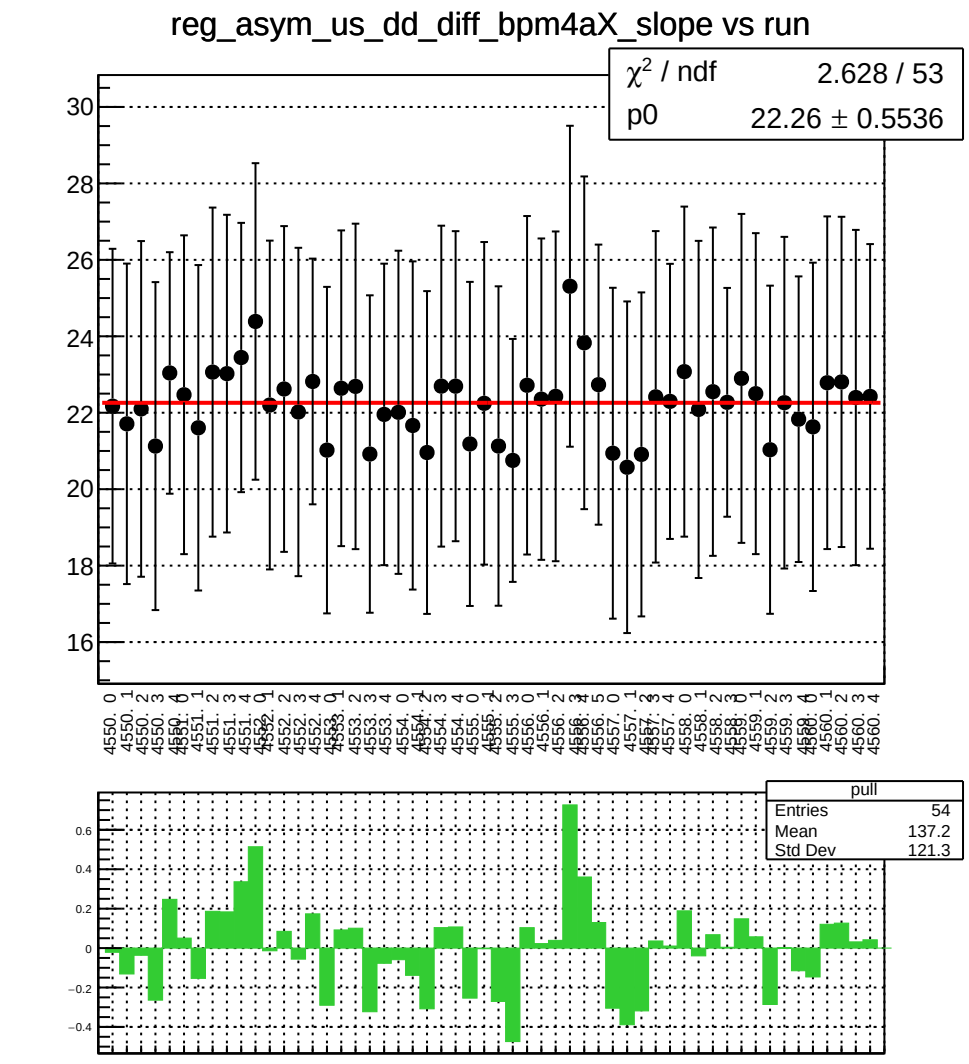

pull1D
Entries 54
Mean −0.004629
Std Dev 0.4226

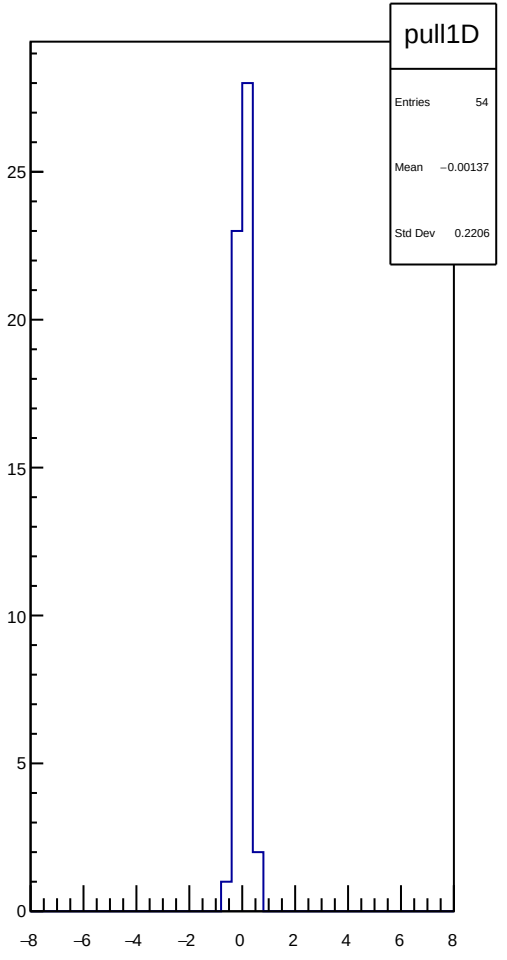

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 138.2 / 53
p0 13.84 ± 0.38
pull
Entries 54
Mean −4.921
Std Dev 23.86
pull1D
Entries 54
Mean −0.107
Std Dev 1.596

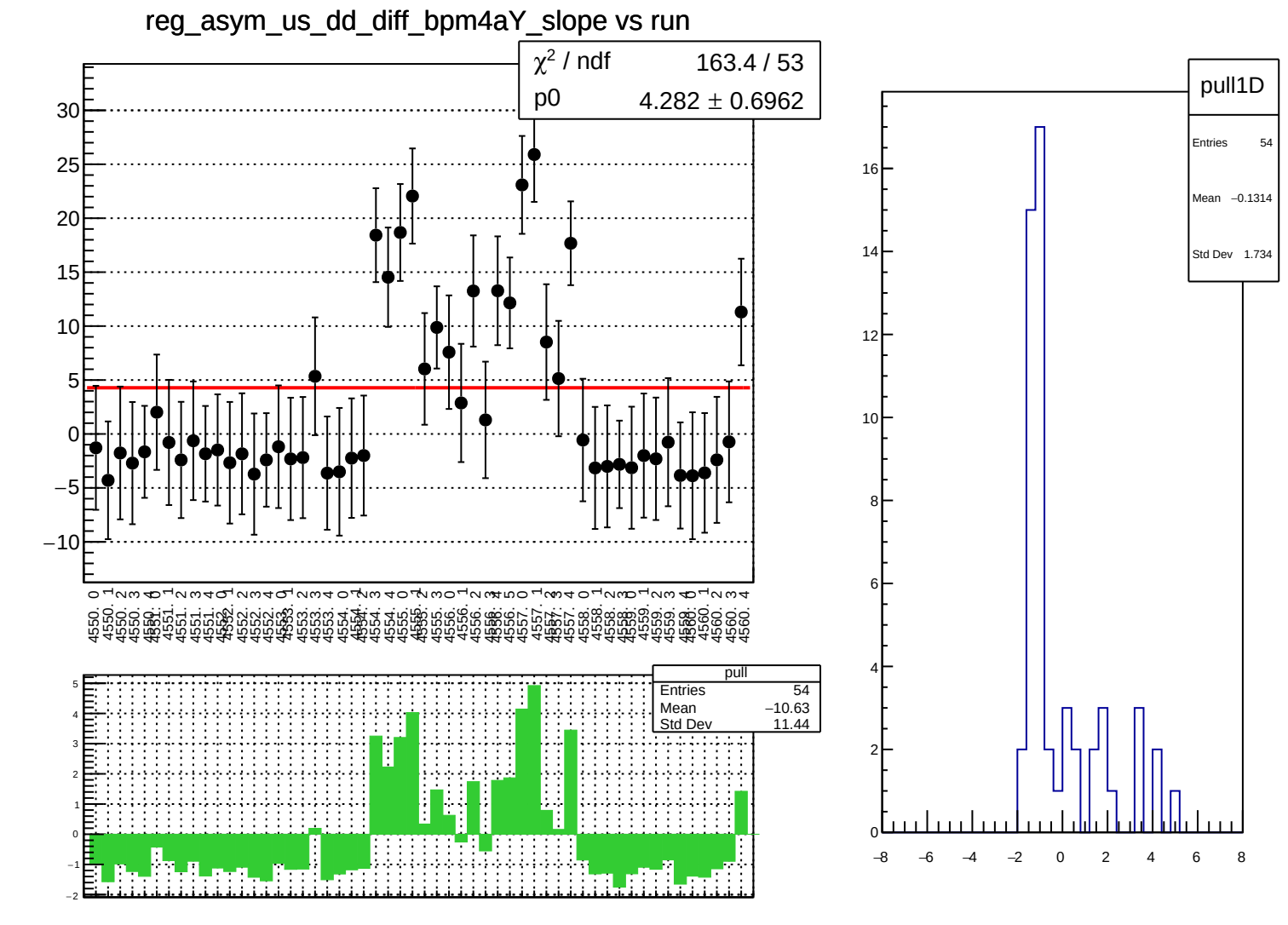

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 103.8 / 53
p0 −22.31 ± 0.04992
pull
Entries 54
Mean 763.1
Std Dev 743.1
pull1D
Entries 54
Mean −0.01533
Std Dev 1.387

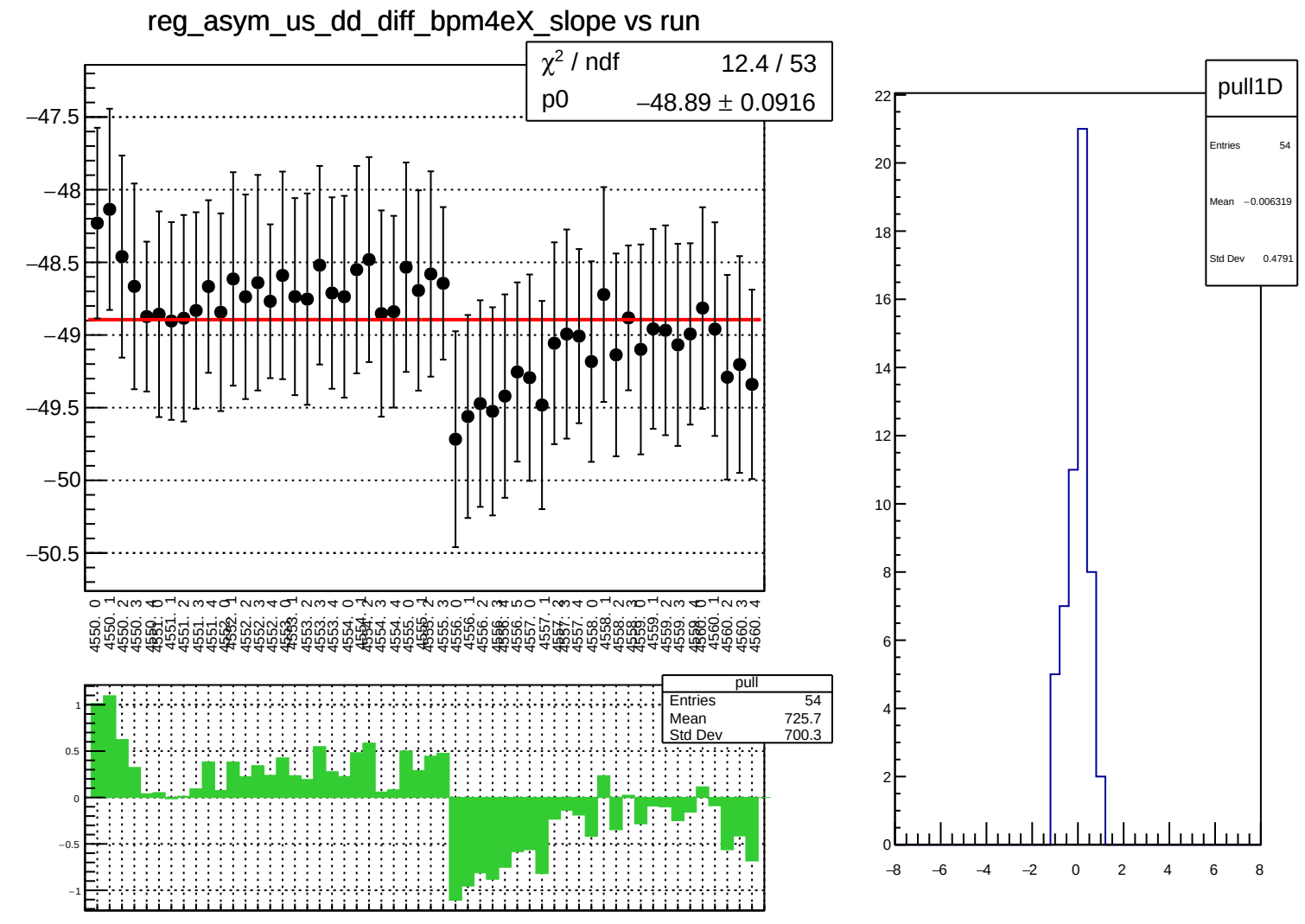

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 141.9 / 53
p0 −1.634 ± 0.5108
pull
Entries 54
Mean −2.236
Std Dev 27.57
pull1D
Entries 54
Mean 0.1113
Std Dev 1.617

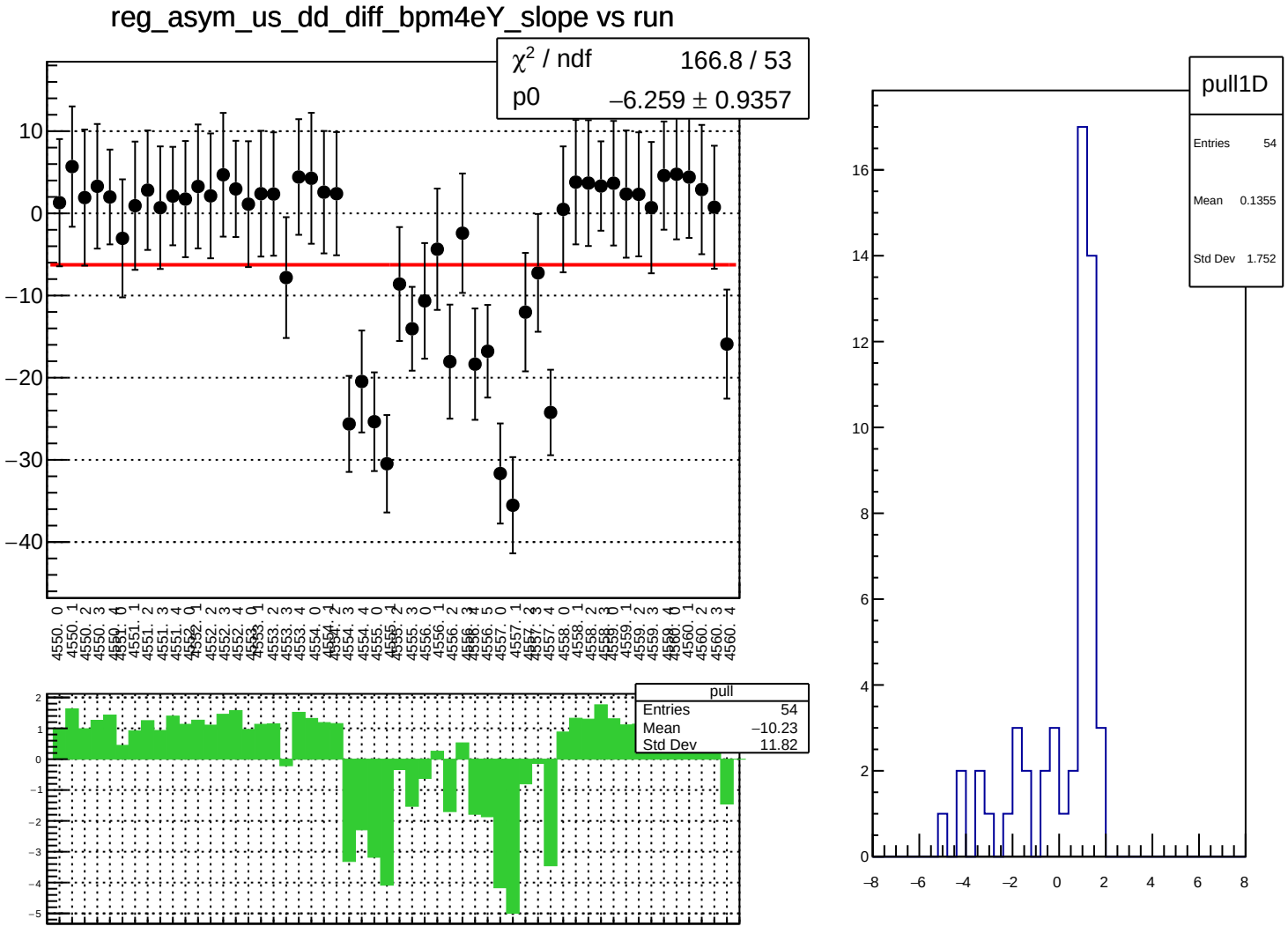

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 12.4 / 53
p0 −55.12 ± 0.1014
pull
Entries 54
Mean −715.2
Std Dev 739.6
pull1D
Entries 54
Mean 0.005586
Std Dev 0.4791

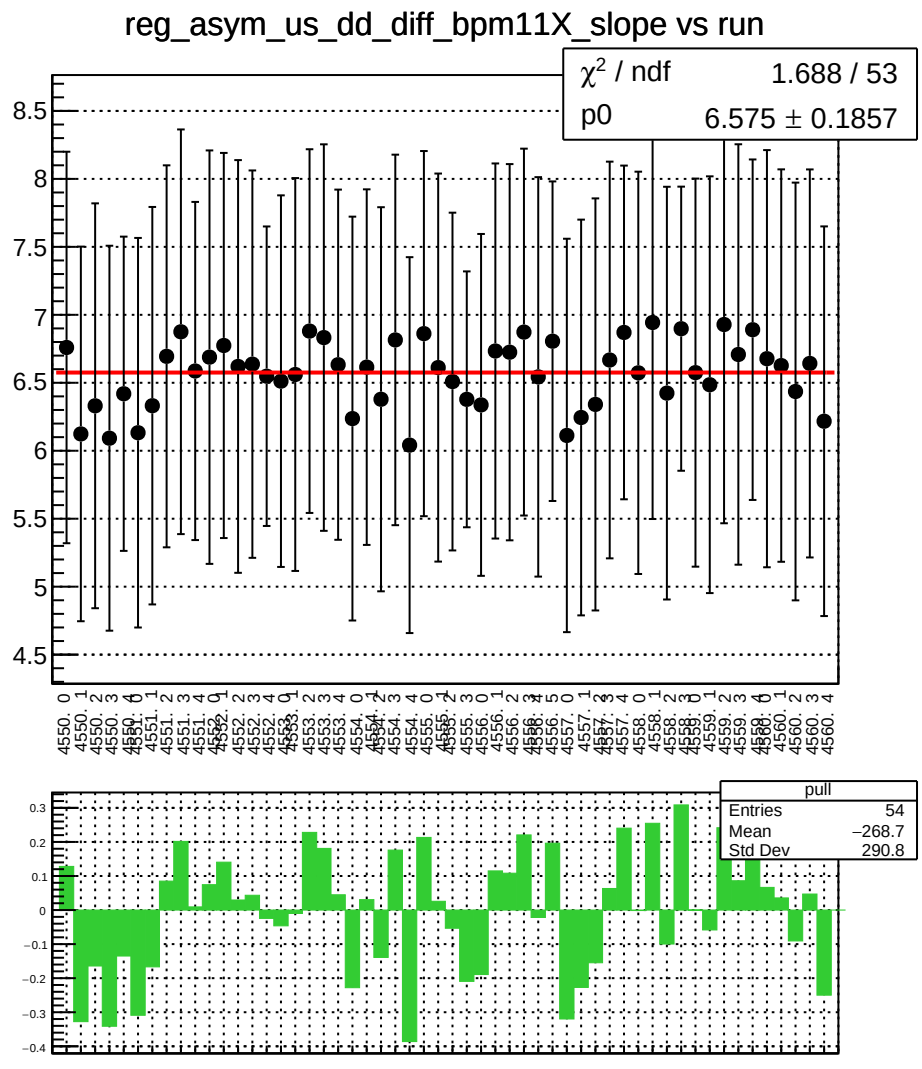

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.628 / 53
p0 22.26 ± 0.5536
pull
Entries 54
Mean 137.2
Std Dev 121.3

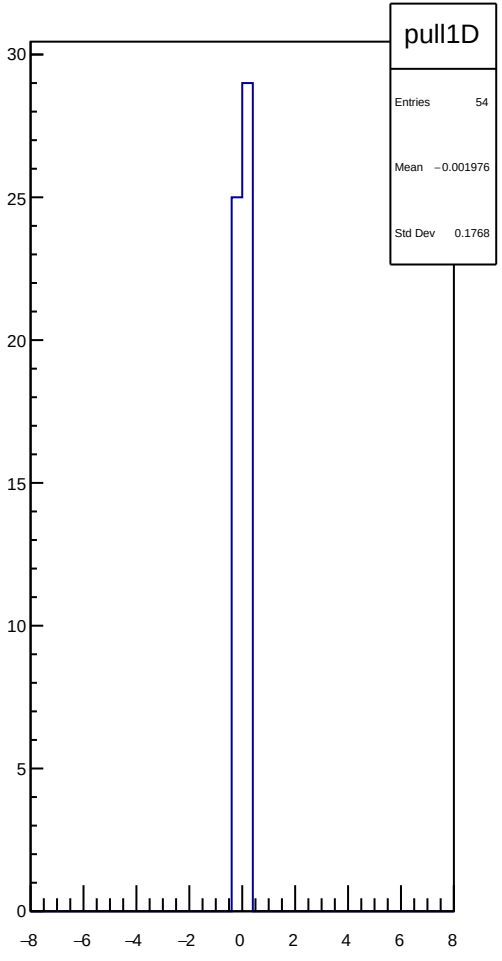

pull1D
Entries 54
Mean −0.00137
Std Dev 0.2206

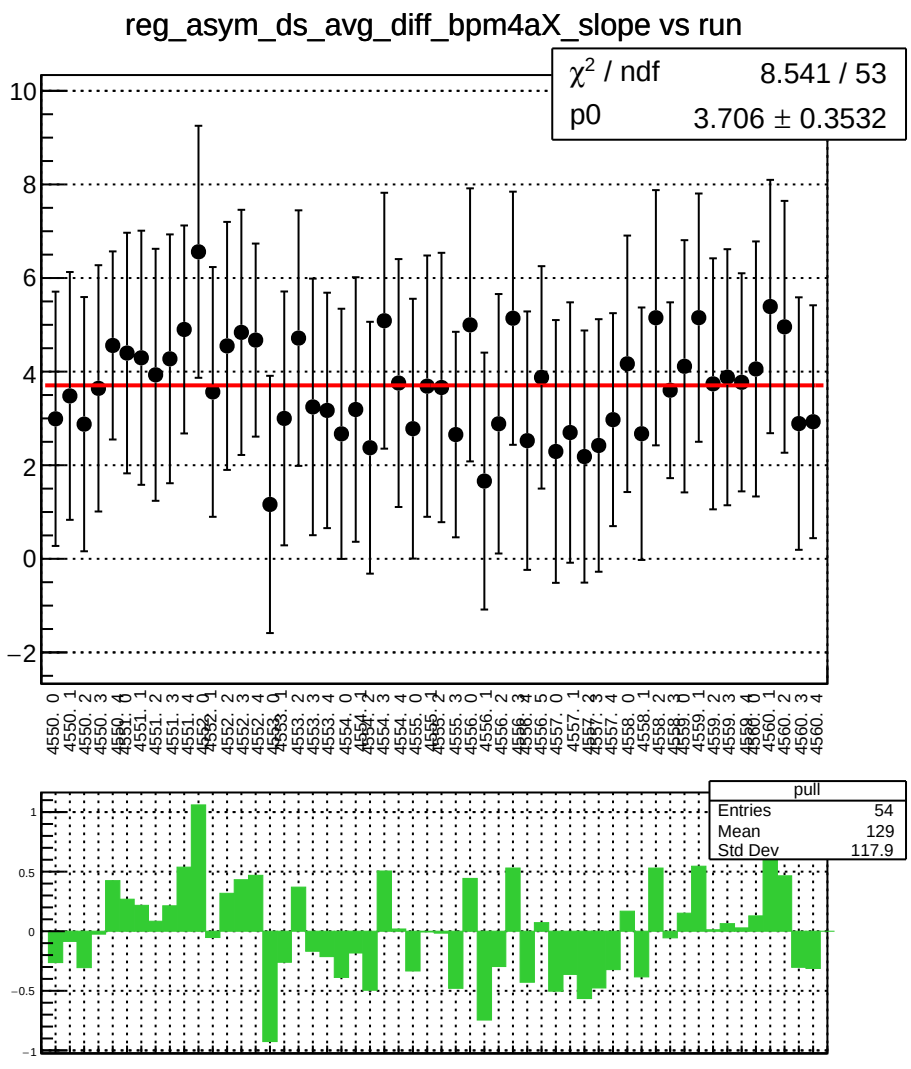

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 163.4 / 53
p0 4.282 ± 0.6962
pull
Entries 54
Mean −10.63
Std Dev 11.44
pull1D
Entries 54
Mean −0.1314
Std Dev 1.734

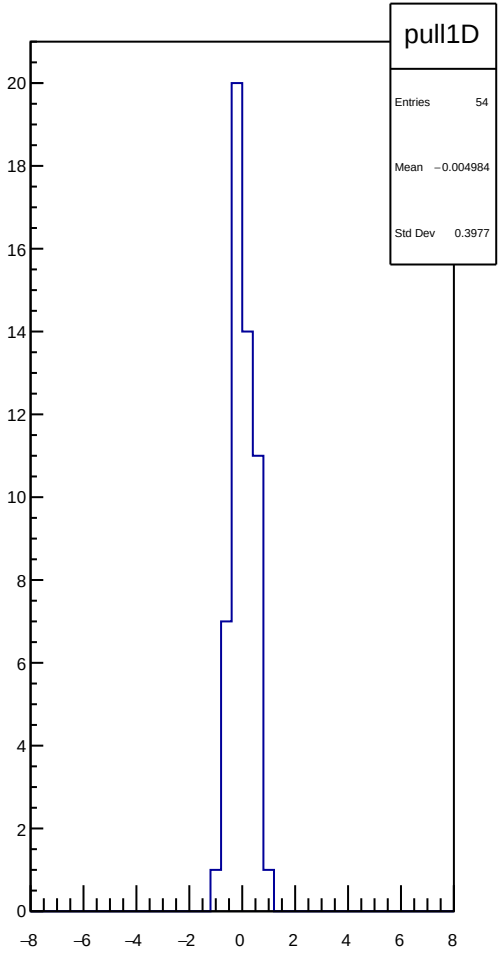

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.4 / 53
p0 −48.89 ± 0.0916
−47.5
−48
−48.5
−49
−49.5
−50
−50.5
pull
Entries 54
Mean 725.7
Std Dev 700.3
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean −0.006319
Std Dev 0.4791
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

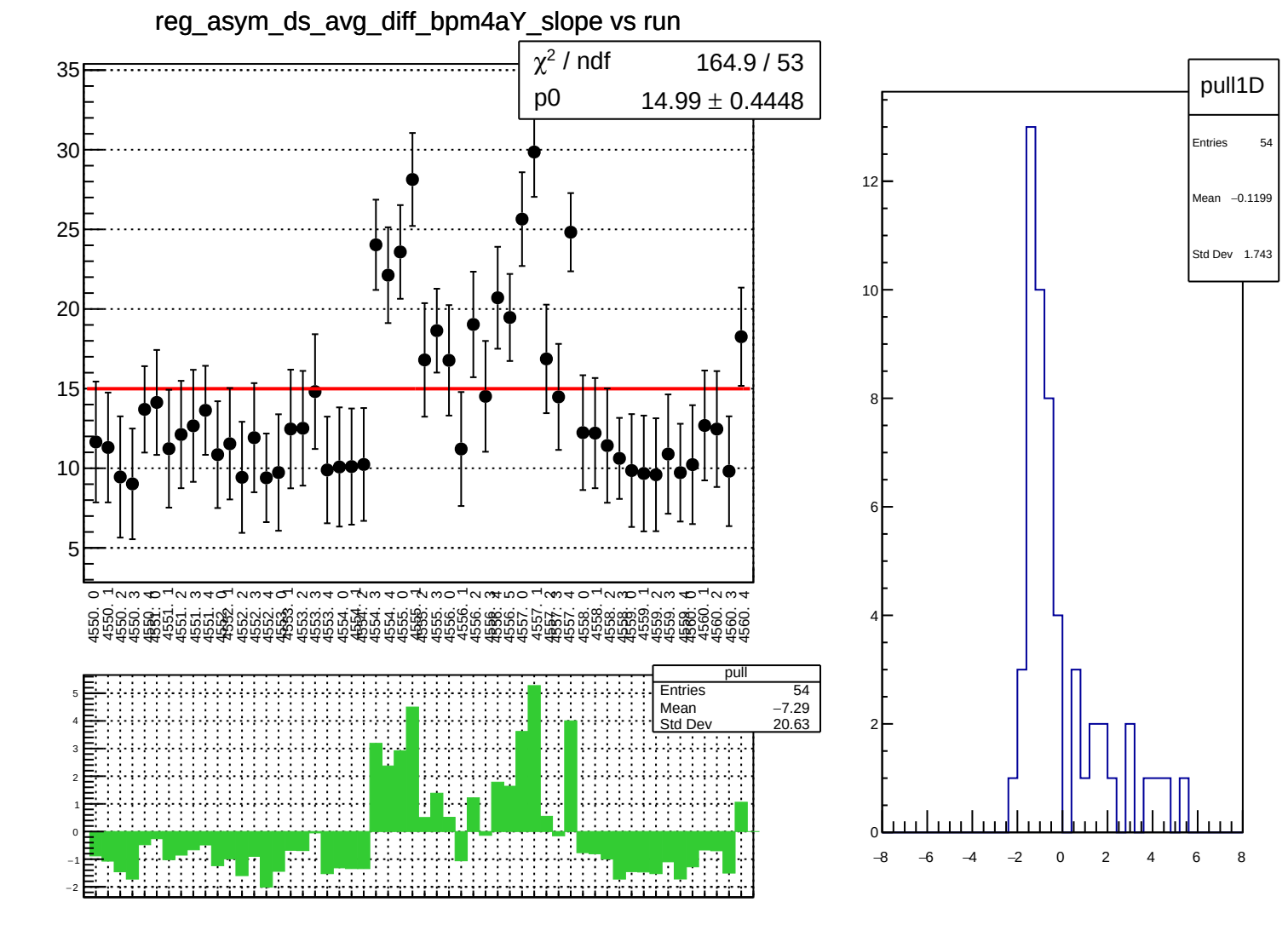

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 166.8 / 53
p0 −6.259 ± 0.9357
pull
Entries 54
Mean −10.23
Std Dev 11.82
pull1D
Entries 54
Mean 0.1355
Std Dev 1.752

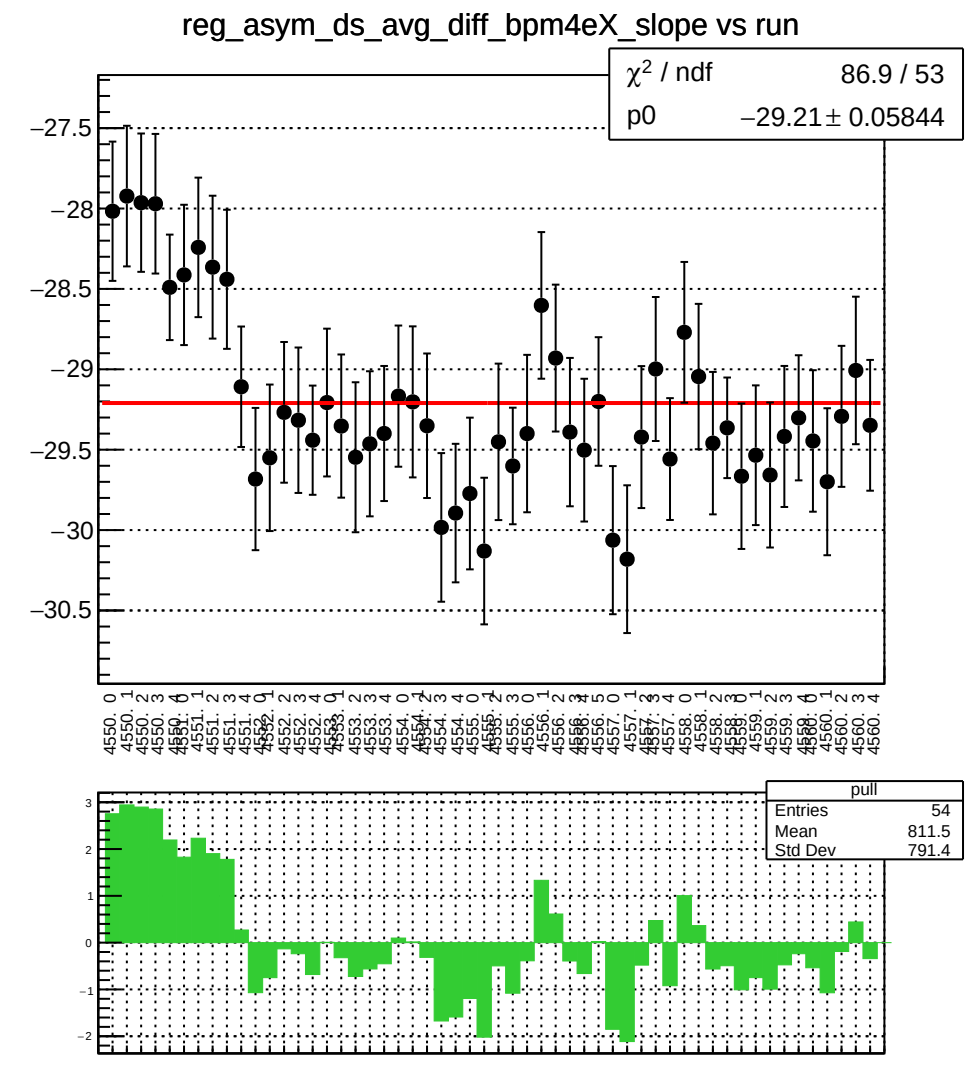

reg_asym_us_dd_diff_bpm11X_slope vs run
χ² / ndf 1.688 / 53
p0 6.575 ± 0.1857
pull
Entries 54
Mean −268.7
Std Dev 290.8

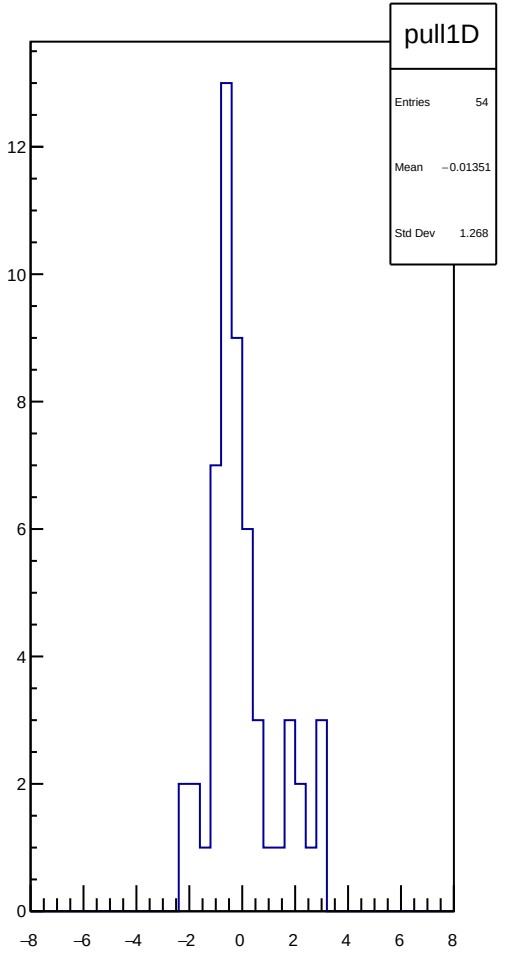

pull1D
Entries 54
Mean −0.001976
Std Dev 0.1768

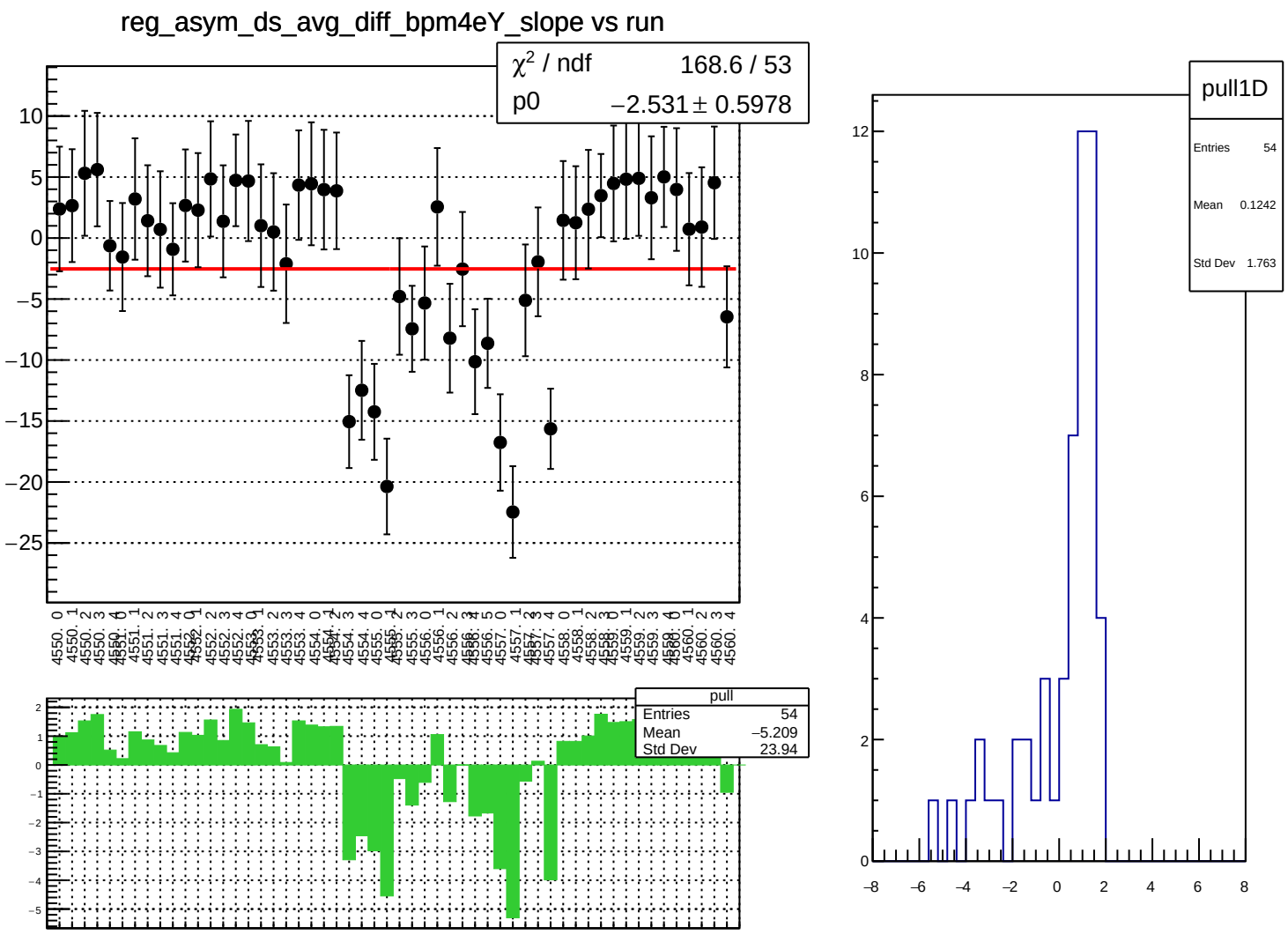

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.541 / 53
p0 3.706 ± 0.3532
pull
Entries 54
Mean 129
Std Dev 117.9

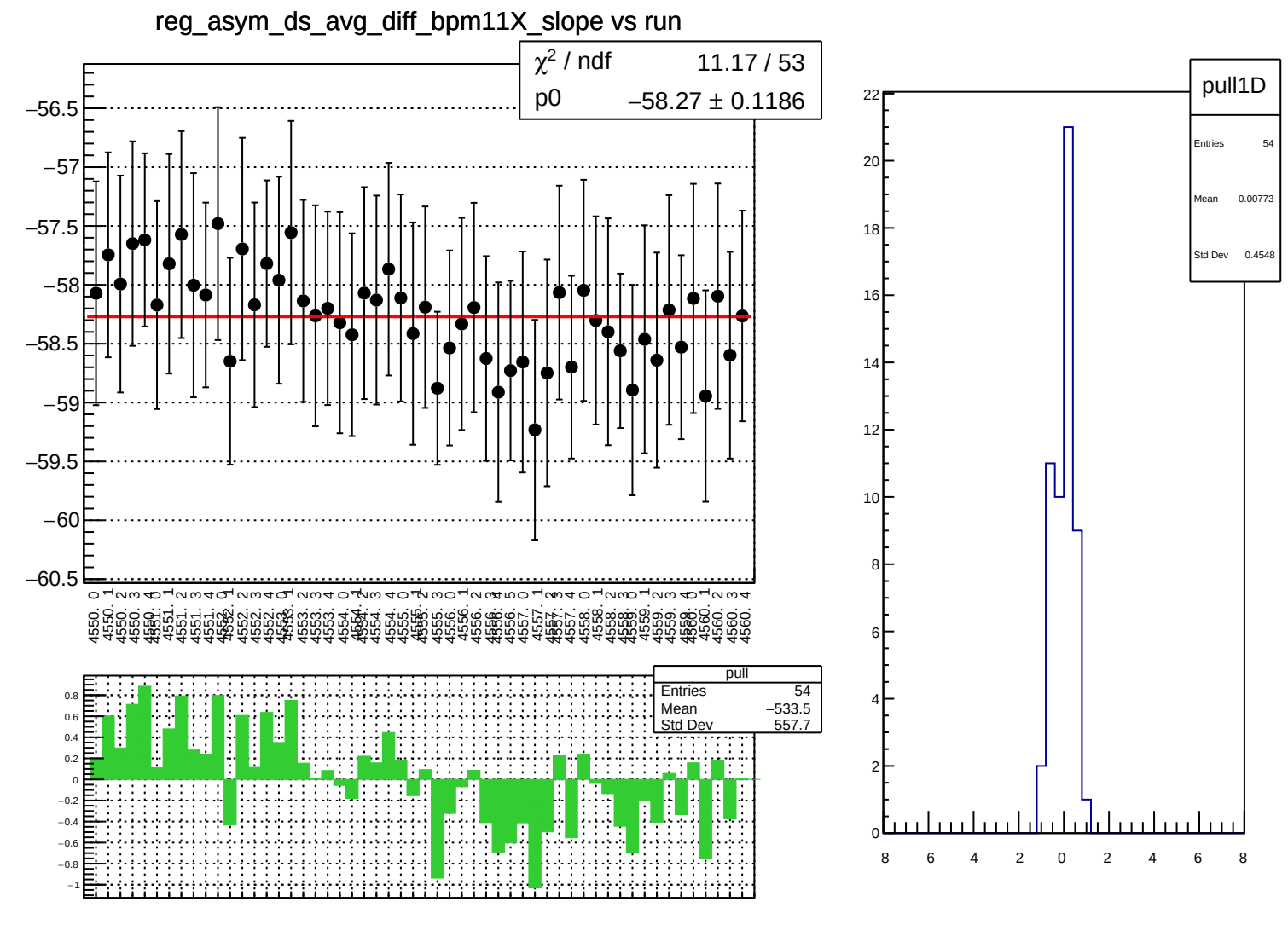

pull1D
Entries 54
Mean −0.004984
Std Dev 0.3977

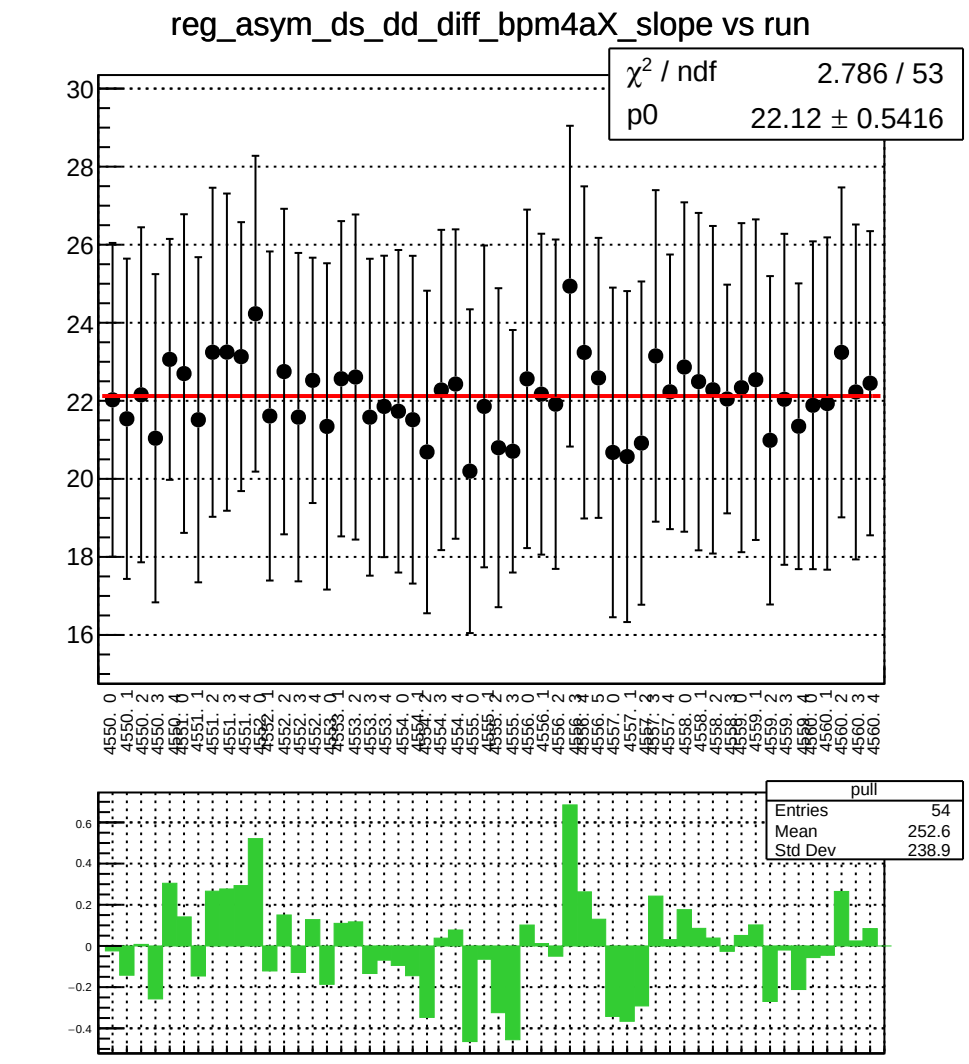

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 164.9 / 53
p0 14.99 ± 0.4448
pull
Entries 54
Mean −7.29
Std Dev 20.63
pull1D
Entries 54
Mean −0.1199
Std Dev 1.743

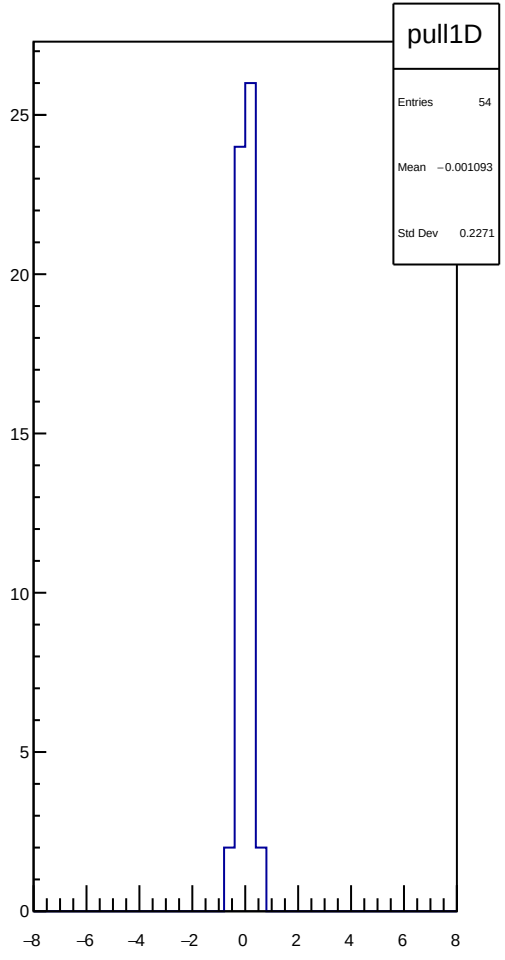

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.9 / 53
p0 −29.21 ± 0.05844
pull
Entries 54
Mean 811.5
Std Dev 791.4

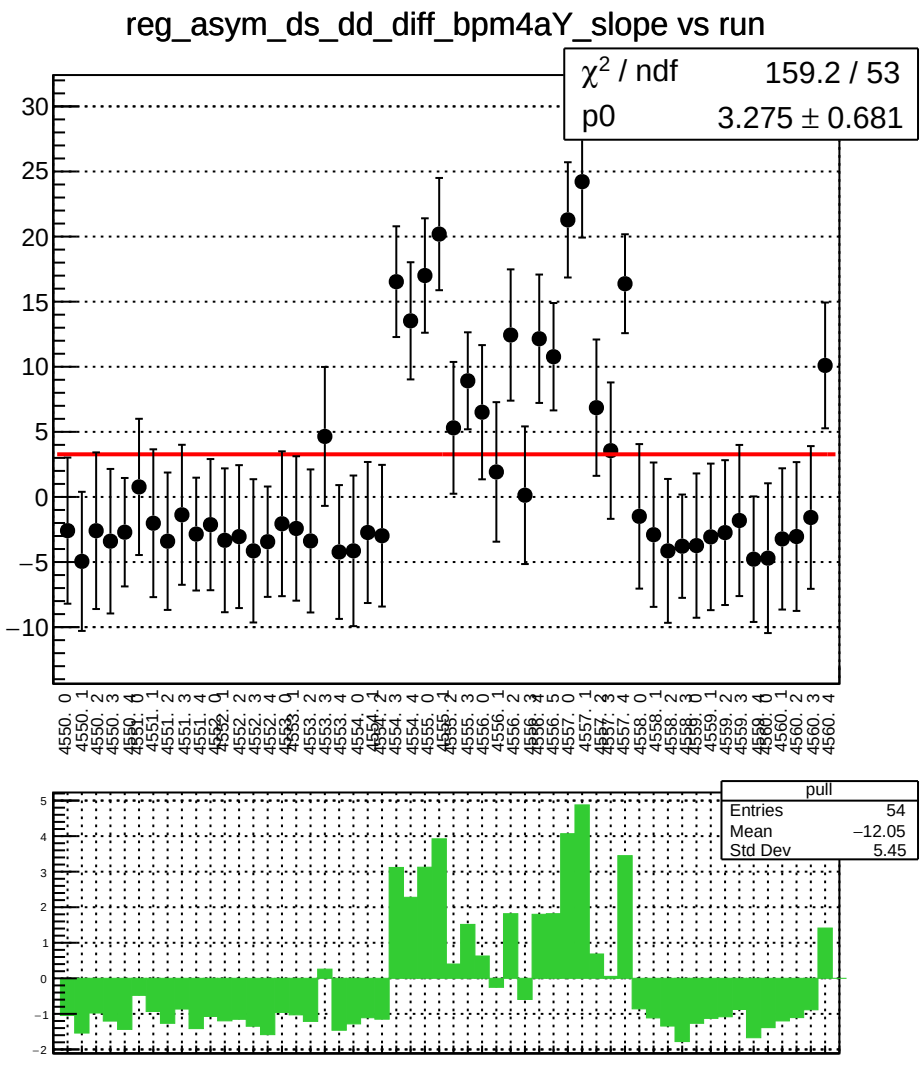

pull1D
Entries 54
Mean −0.01351
Std Dev 1.268

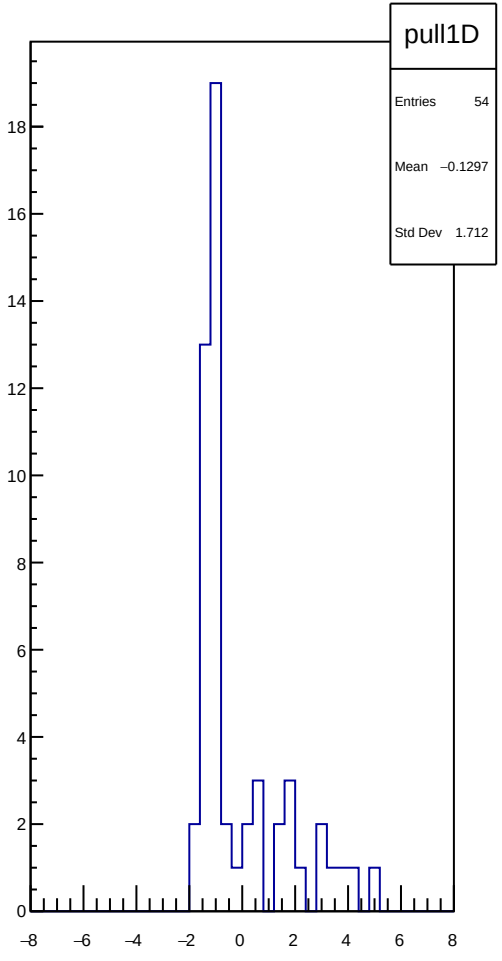

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 168.6 / 53
p0 −2.531 ± 0.5978
pull
Entries 54
Mean −5.209
Std Dev 23.94
pull1D
Entries 54
Mean 0.1242
Std Dev 1.763

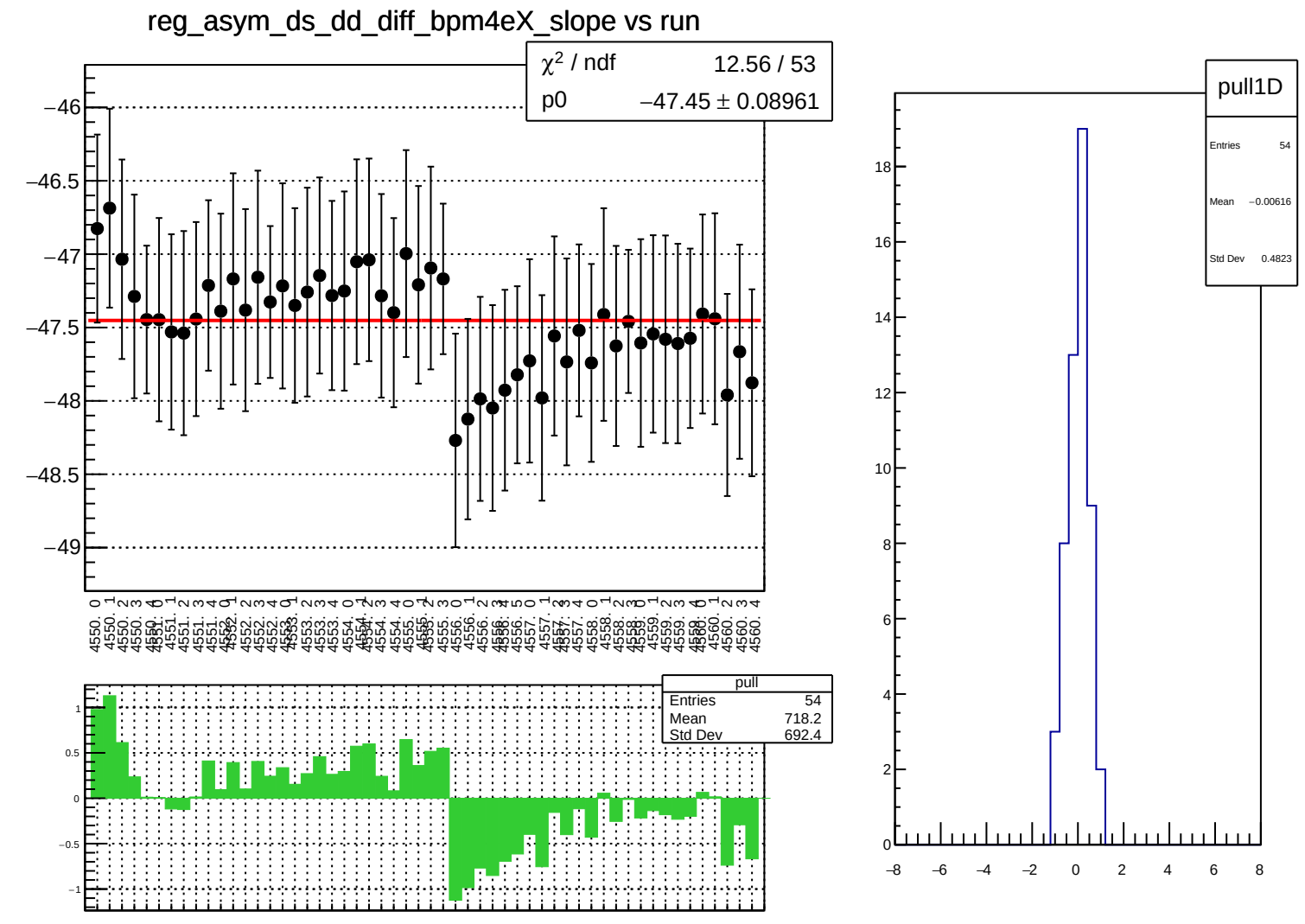

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 11.17 / 53
p0 −58.27 ± 0.1186
pull
Entries 54
Mean −533.5
Std Dev 557.7
pull1D
Entries 54
Mean 0.00773
Std Dev 0.4548

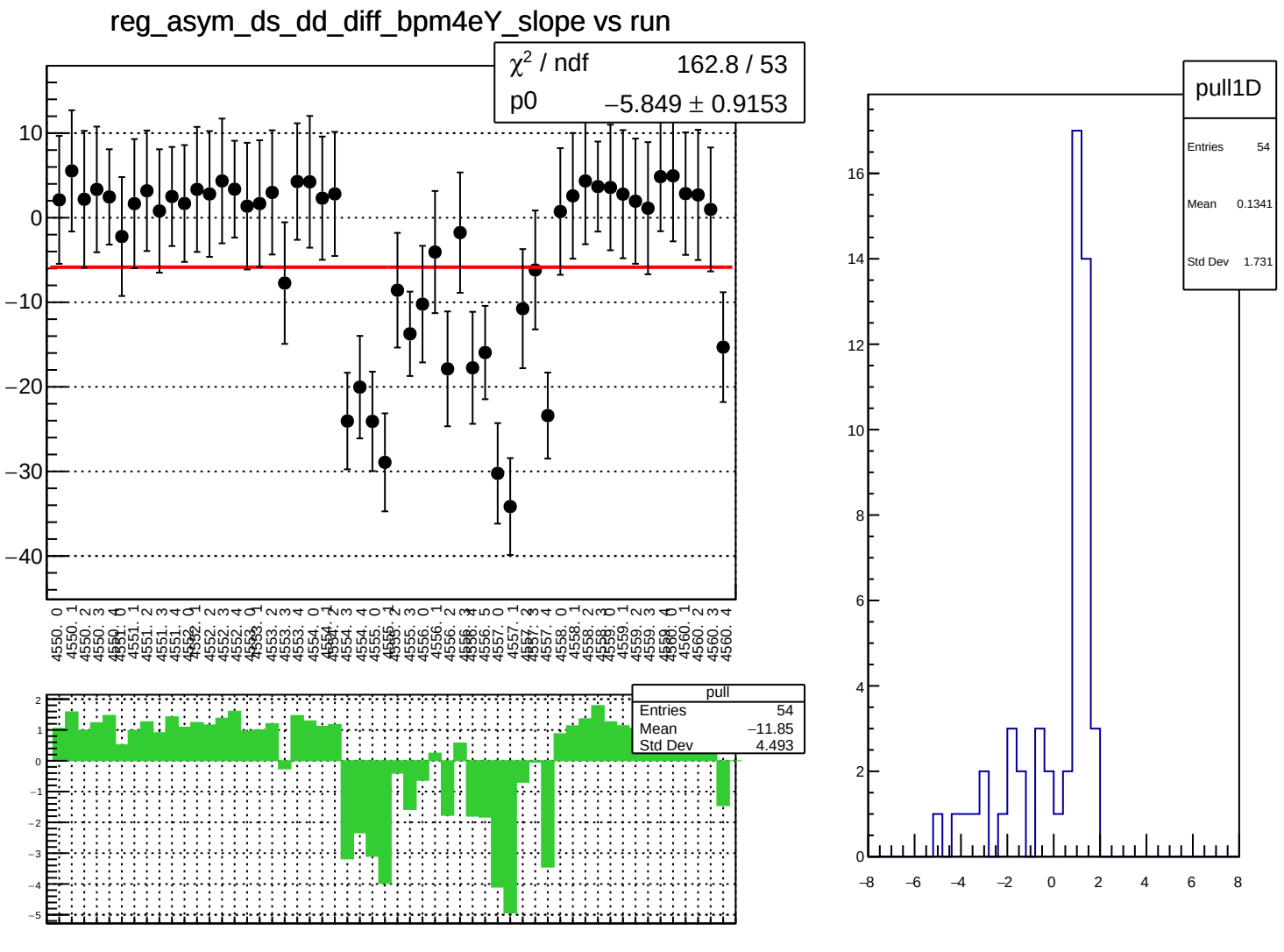

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.786 / 53
p0 22.12 ± 0.5416
pull
Entries 54
Mean 252.6
Std Dev 238.9

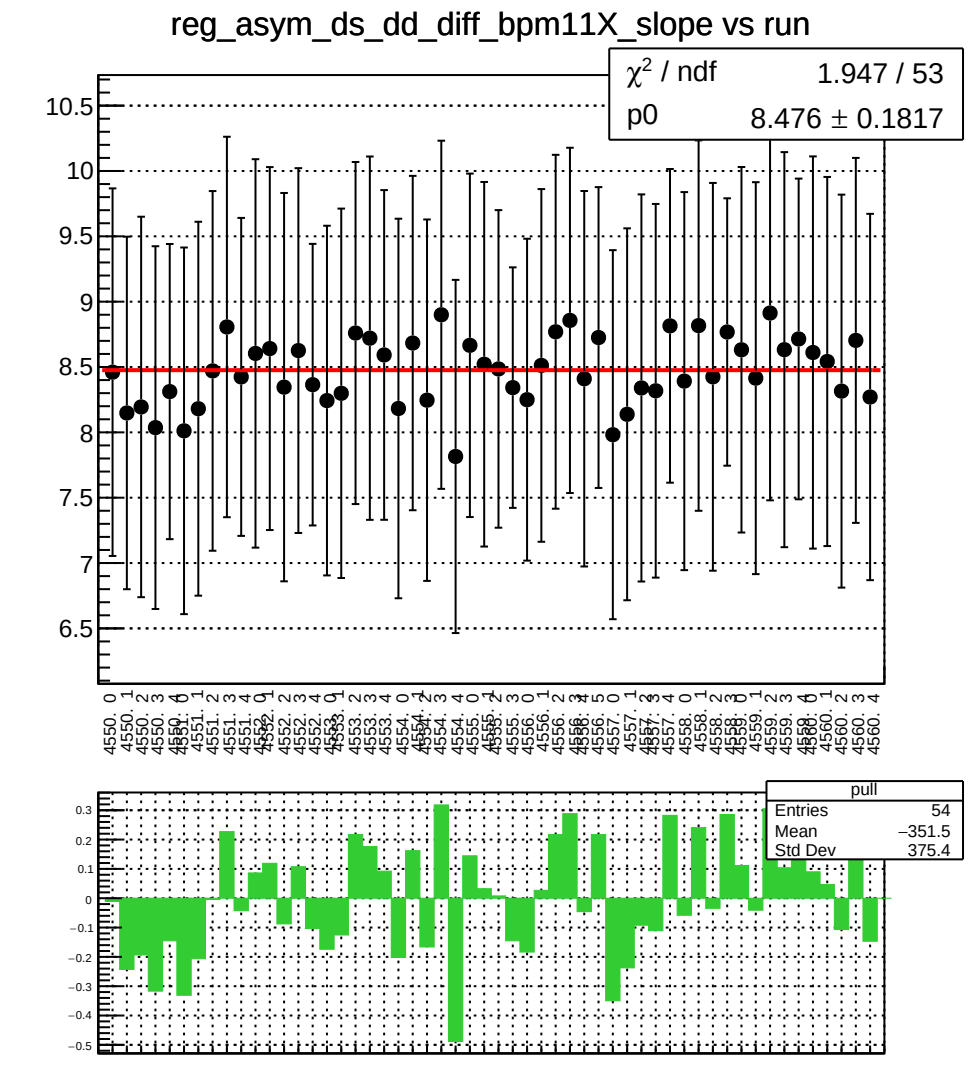

pull1D
Entries 54
Mean −0.001093
Std Dev 0.2271

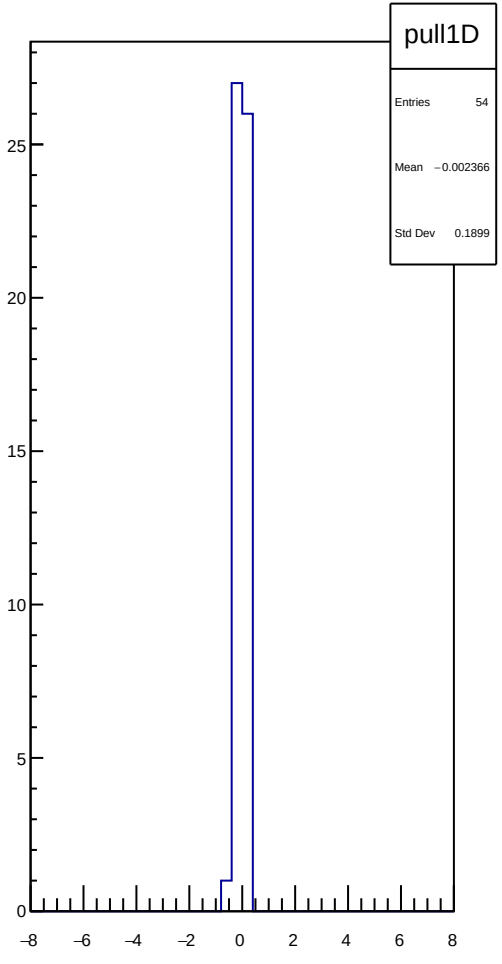

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 159.2 / 53
p0 3.275 ± 0.681
pull
Entries 54
Mean −12.05
Std Dev 5.45

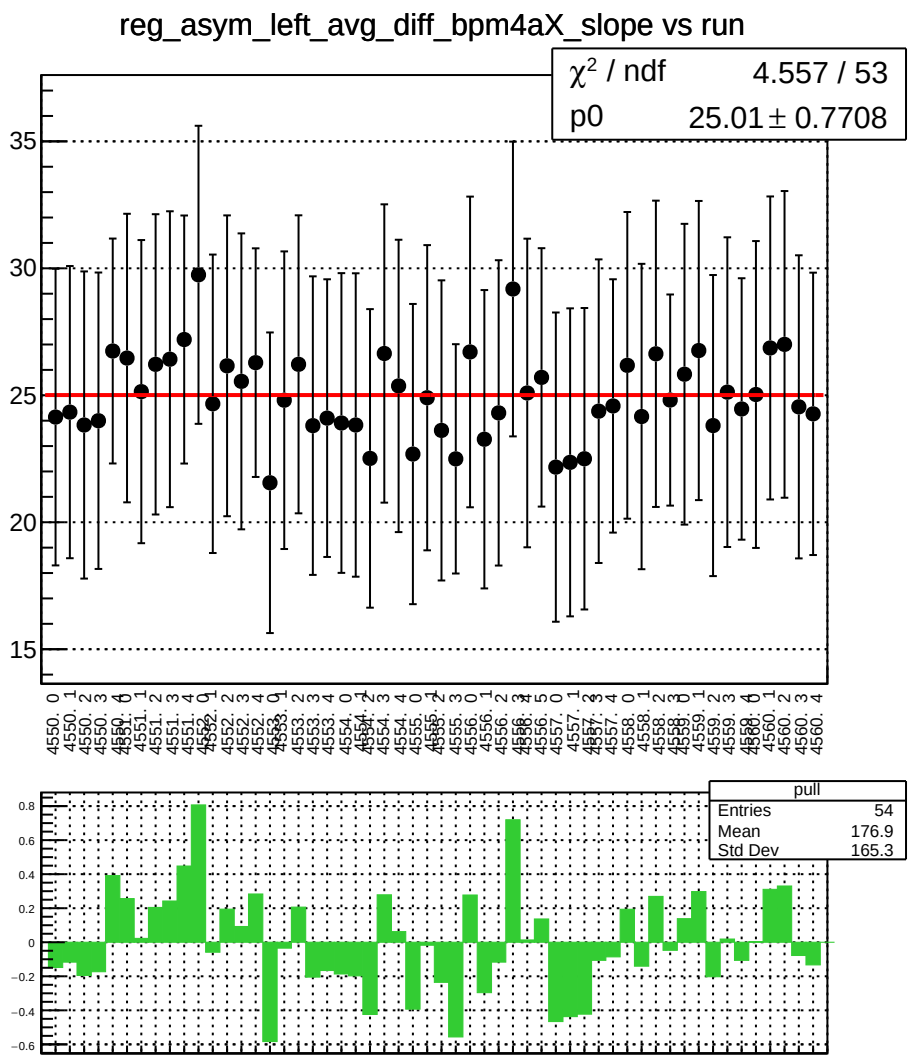

pull1D
Entries 54
Mean −0.1297
Std Dev 1.712

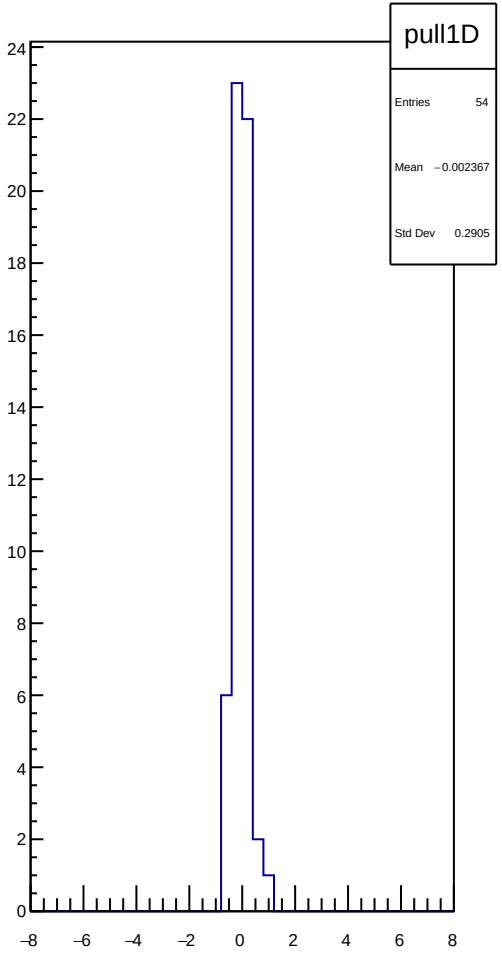

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.56 / 53
p0 −47.45 ± 0.08961
−46
−46.5
−47
−47.5
−48
−48.5
−49
pull
Entries 54
Mean 718.2
Std Dev 692.4
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean −0.00616
Std Dev 0.4823
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

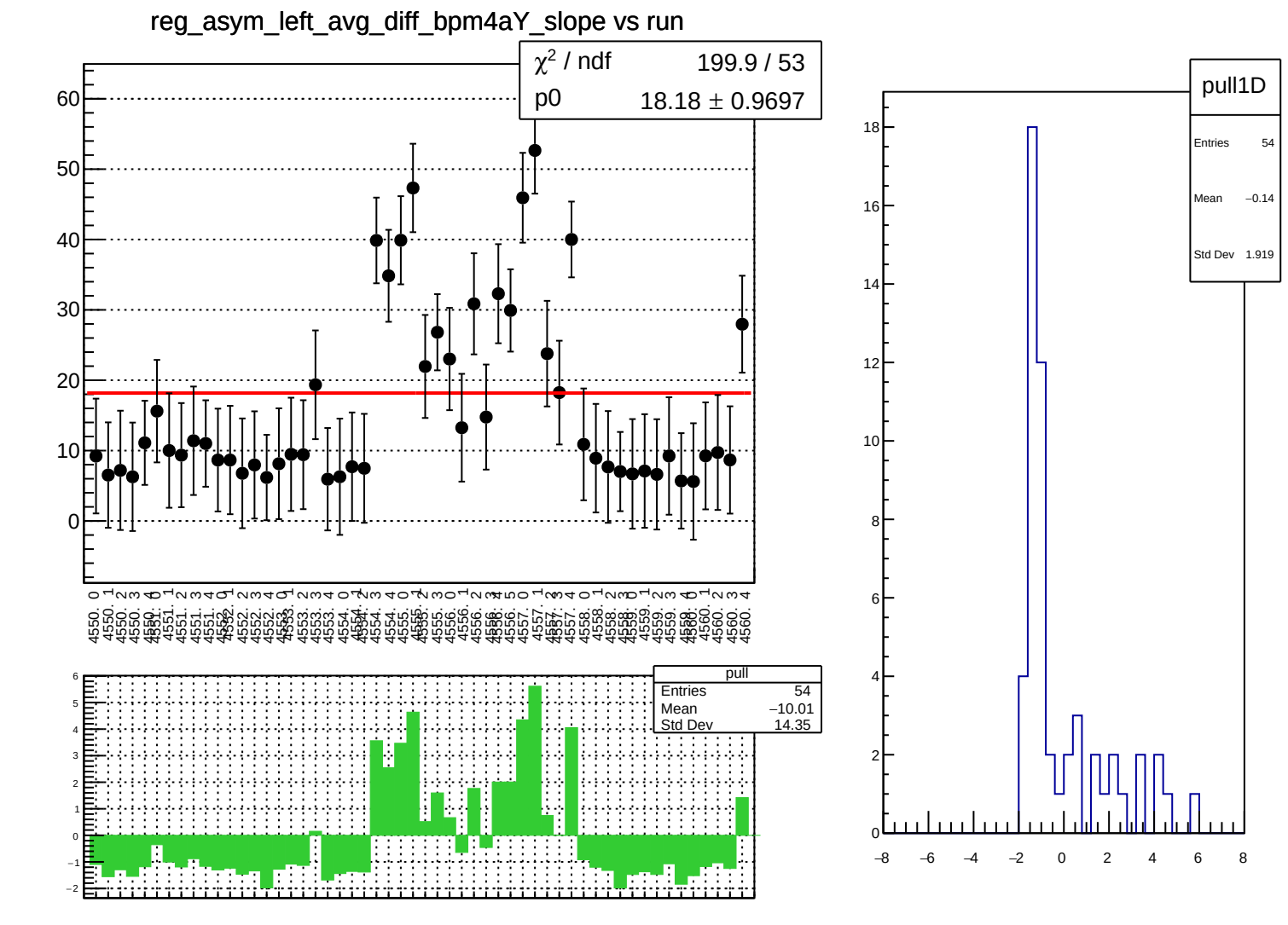

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 162.8 / 53
p0 −5.849 ± 0.9153
pull
Entries 54
Mean −11.85
Std Dev 4.493
pull1D
Entries 54
Mean 0.1341
Std Dev 1.731

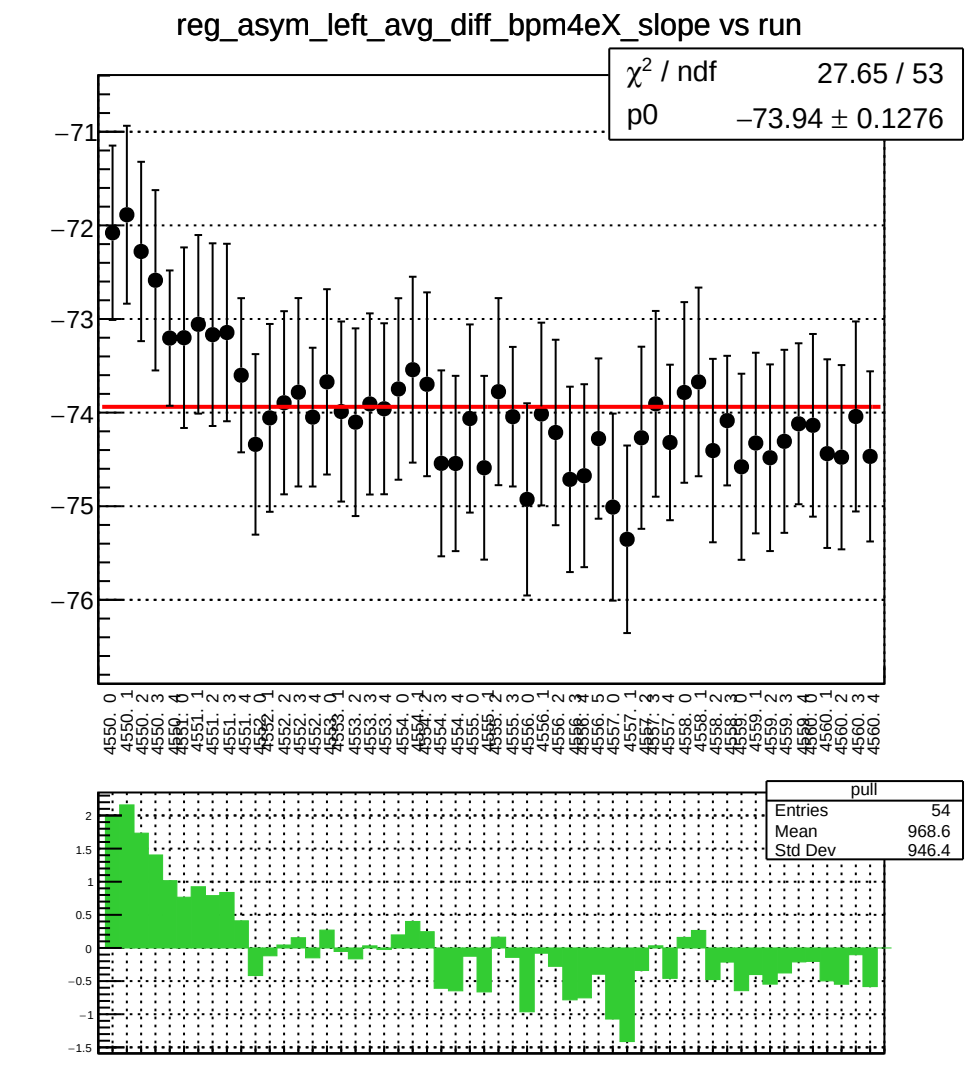

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 1.947 / 53
p0 8.476 ± 0.1817
pull
Entries 54
Mean −351.5
Std Dev 375.4

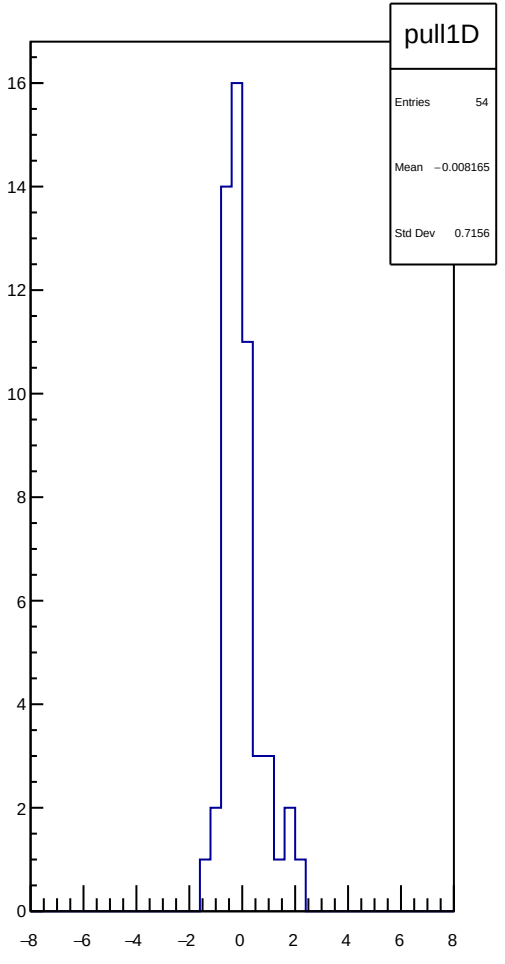

pull1D
Entries 54
Mean −0.002366
Std Dev 0.1899

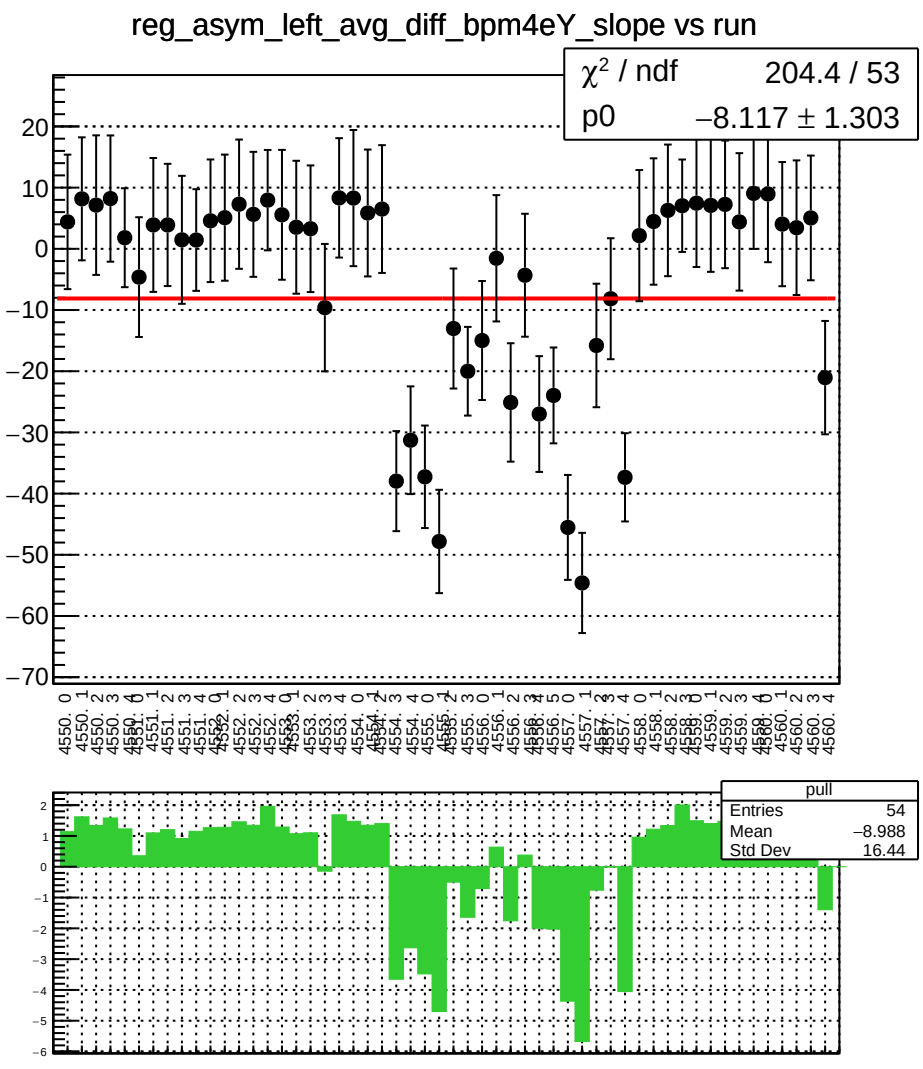

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.557 / 53
p0 25.01 ± 0.7708
pull
Entries 54
Mean 176.9
Std Dev 165.3

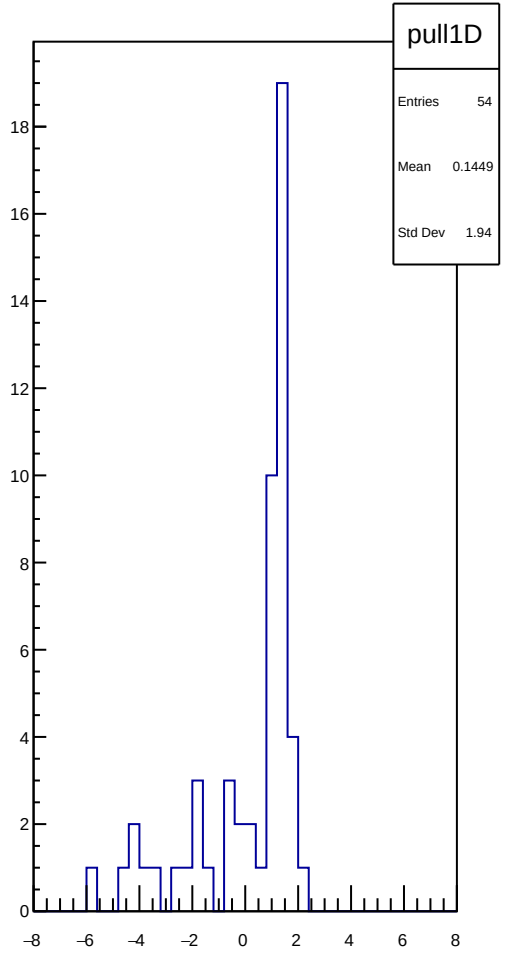

pull1D
Entries 54
Mean −0.002367
Std Dev 0.2905

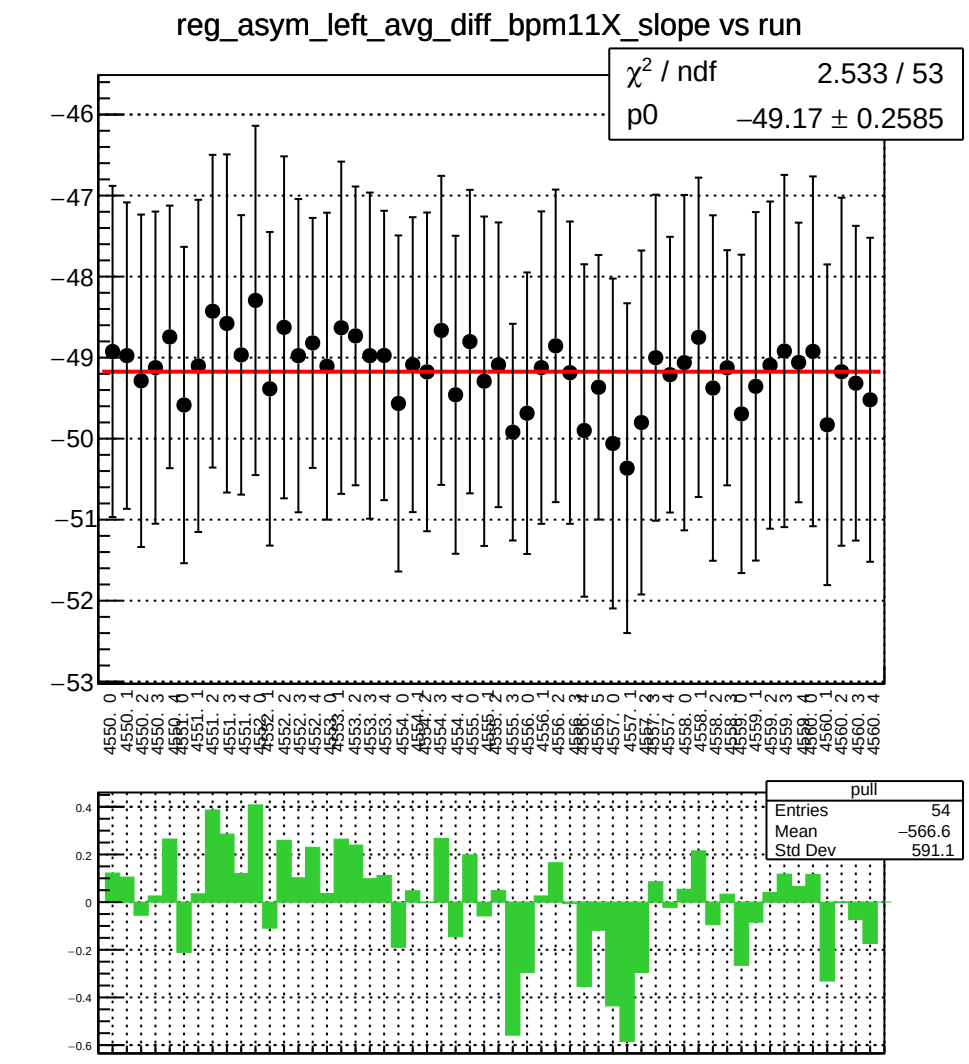

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 199.9 / 53
p0 18.18 ± 0.9697
pull
Entries 54
Mean −10.01
Std Dev 14.35
pull1D
Entries 54
Mean −0.14
Std Dev 1.919

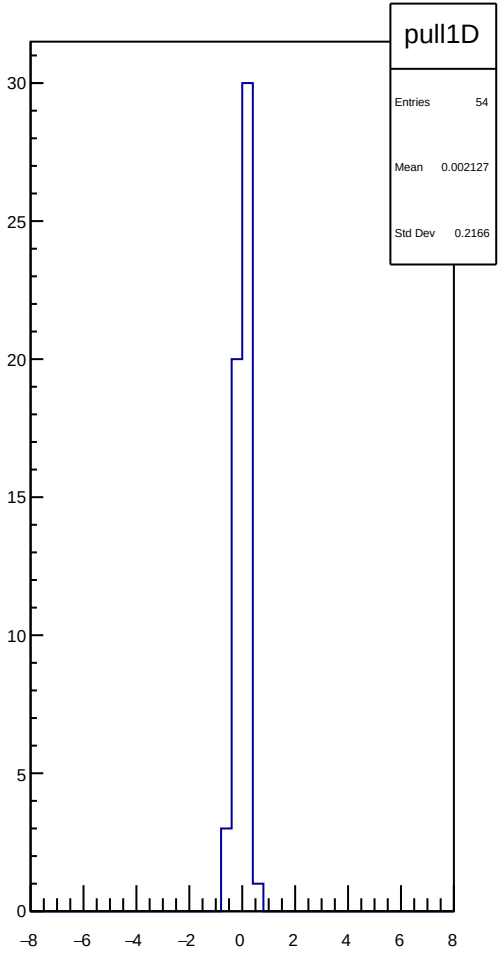

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.65 / 53
p0 −73.94 ± 0.1276
pull
Entries 54
Mean 968.6
Std Dev 946.4

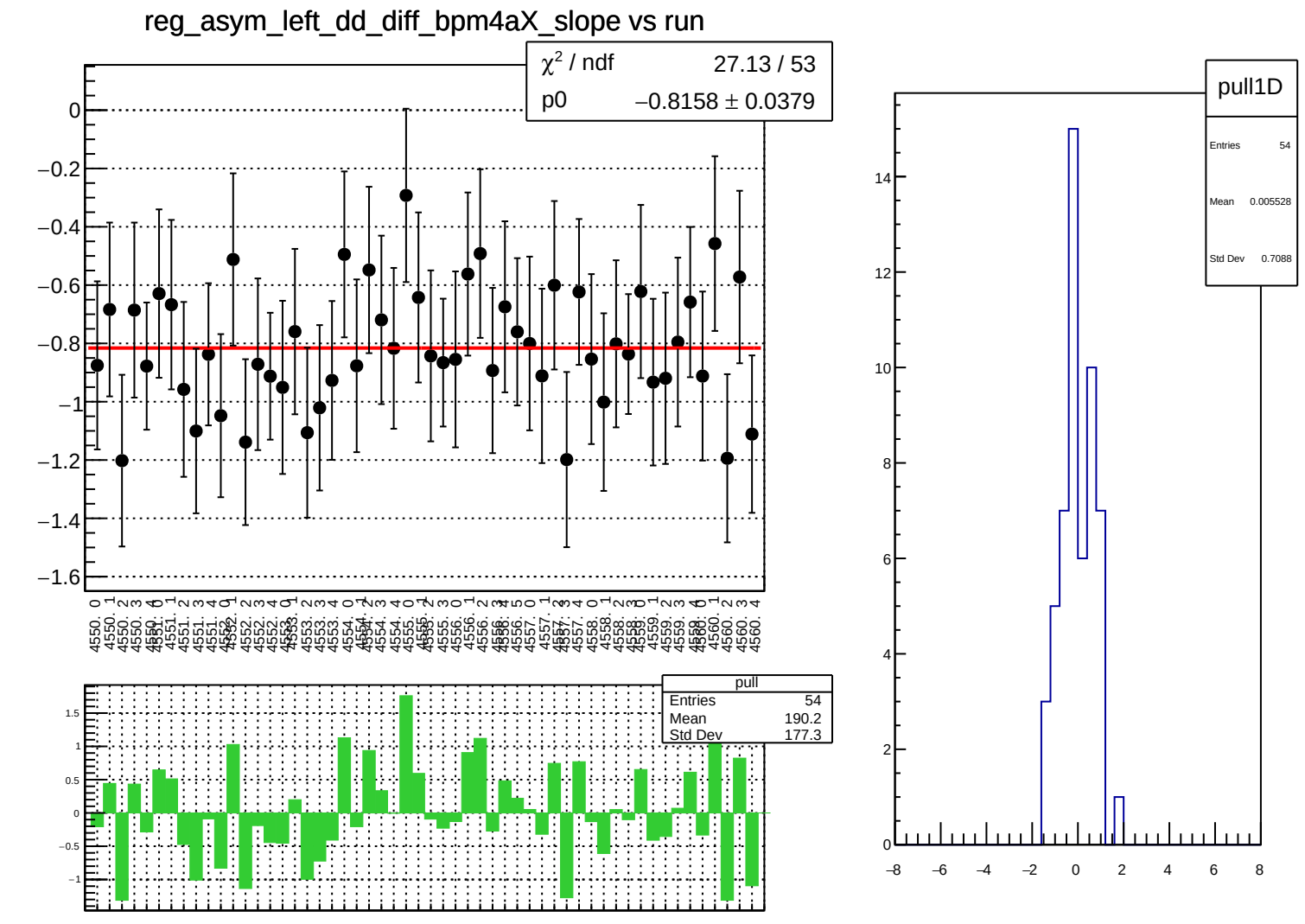

pull1D
Entries 54
Mean −0.008165
Std Dev 0.7156

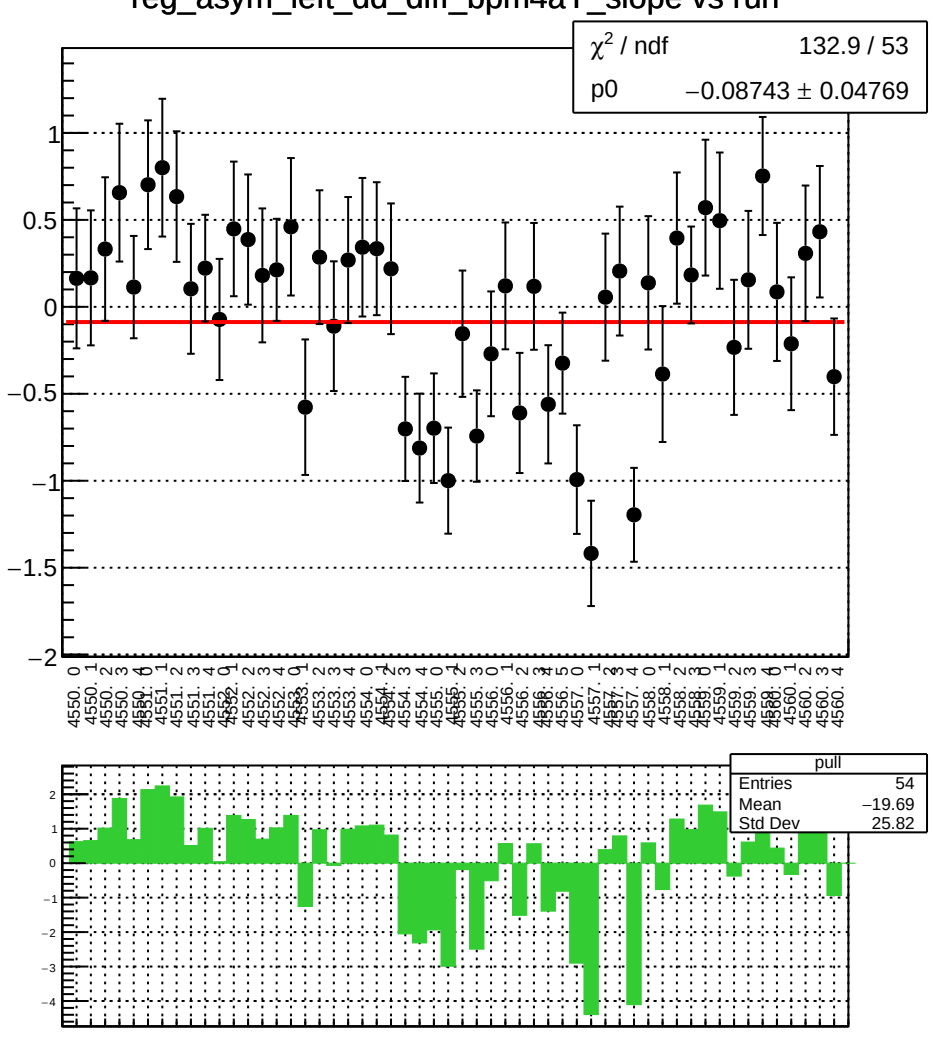

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 204.4 / 53
p0 −8.117 ± 1.303
pull
Entries 54
Mean −8.988
Std Dev 16.44

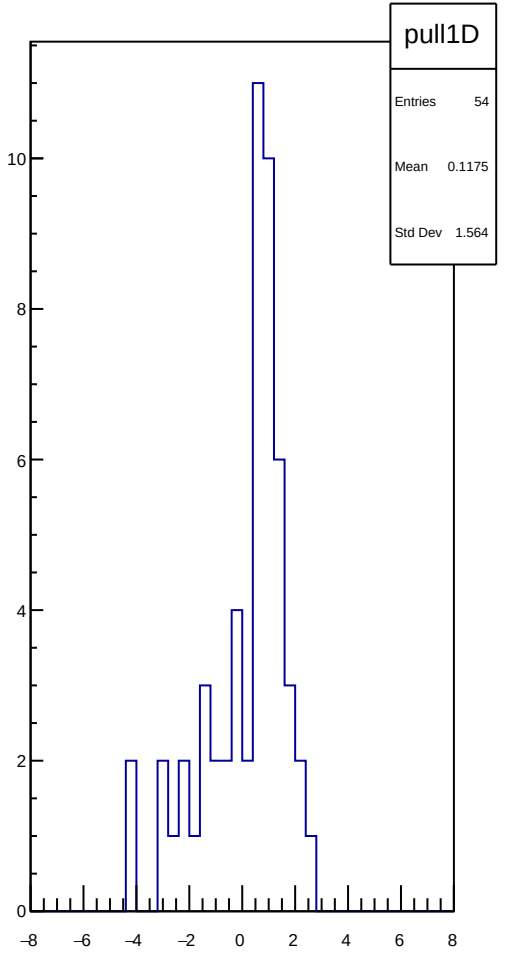

pull1D
Entries 54
Mean 0.1449
Std Dev 1.94

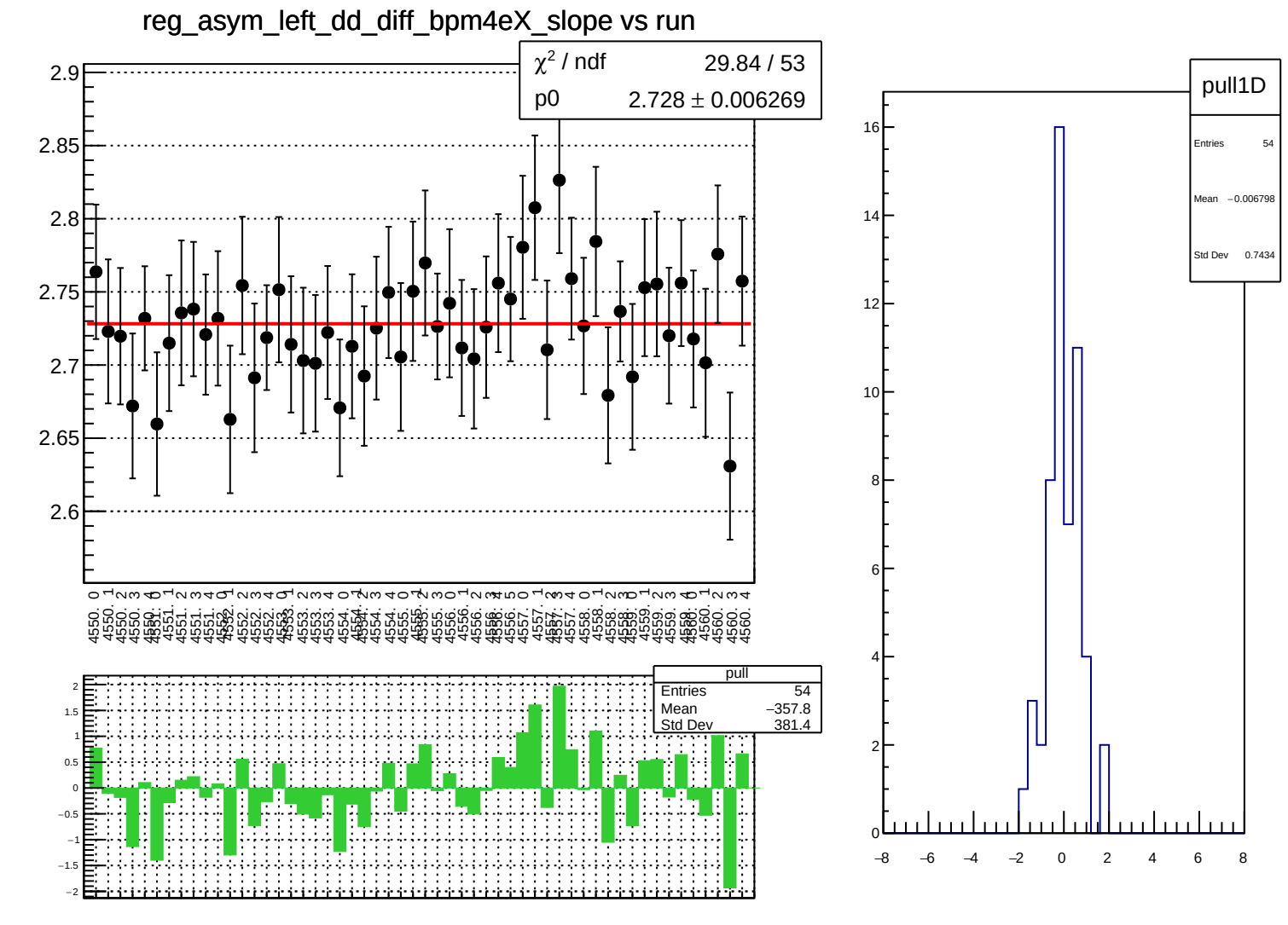

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 2.533 / 53
p0 −49.17 ± 0.2585
pull
Entries 54
Mean −566.6
Std Dev 591.1

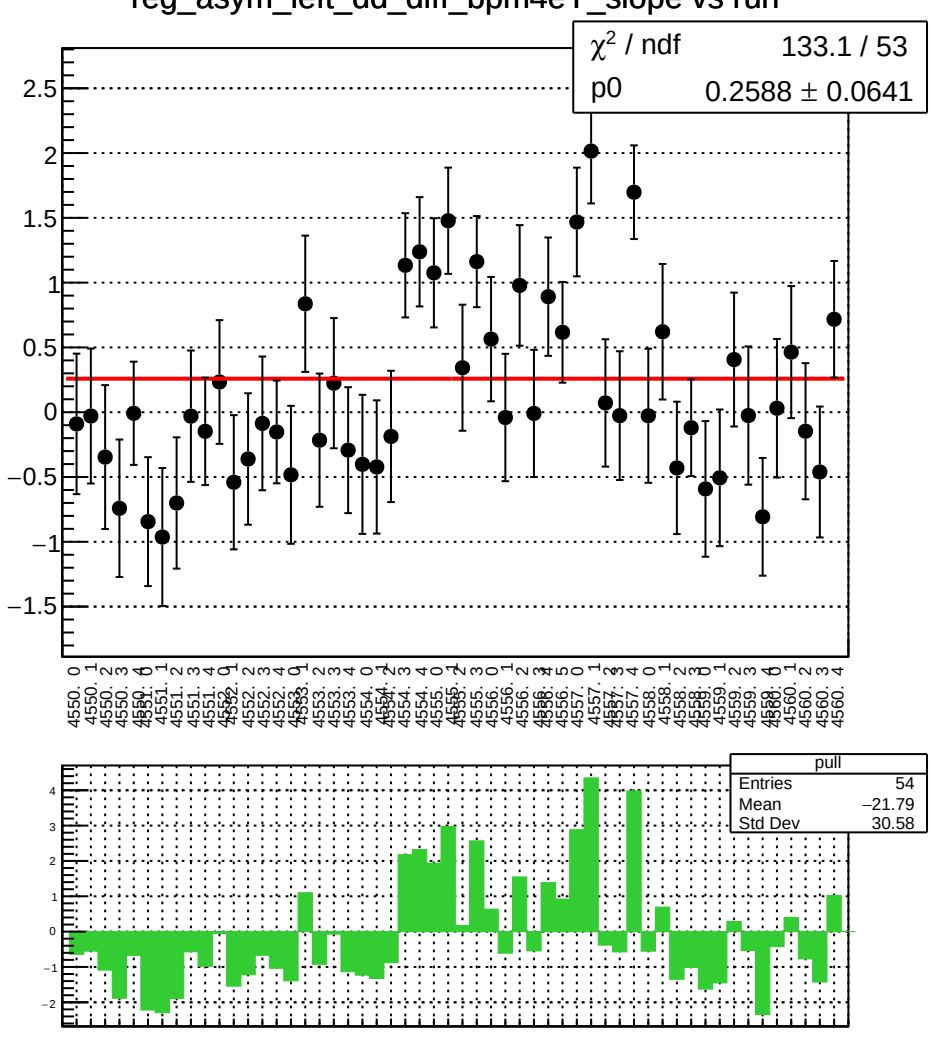

pull1D
Entries 54
Mean 0.002127
Std Dev 0.2166

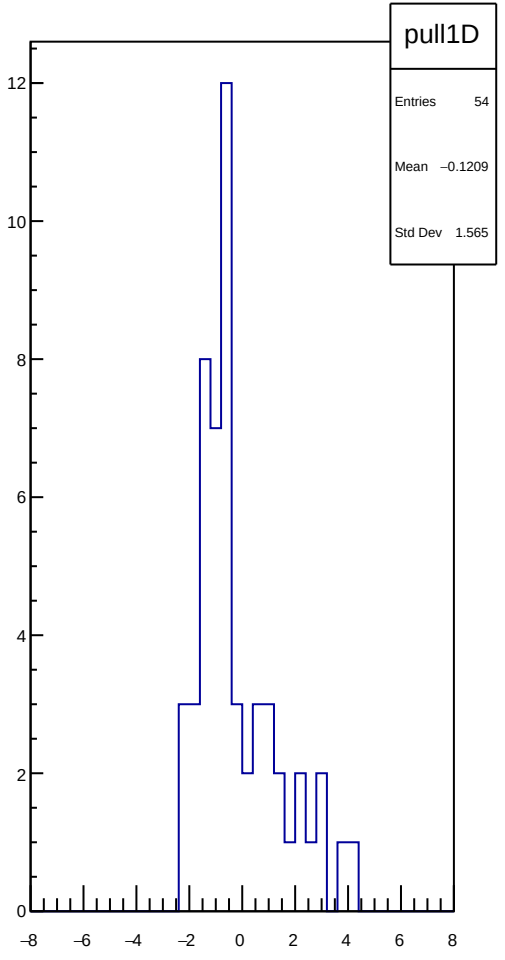

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 27.13 / 53
p0 −0.8158 ± 0.0379
pull
Entries 54
Mean 190.2
Std Dev 177.3
pull1D
Entries 54
Mean 0.005528
Std Dev 0.7088

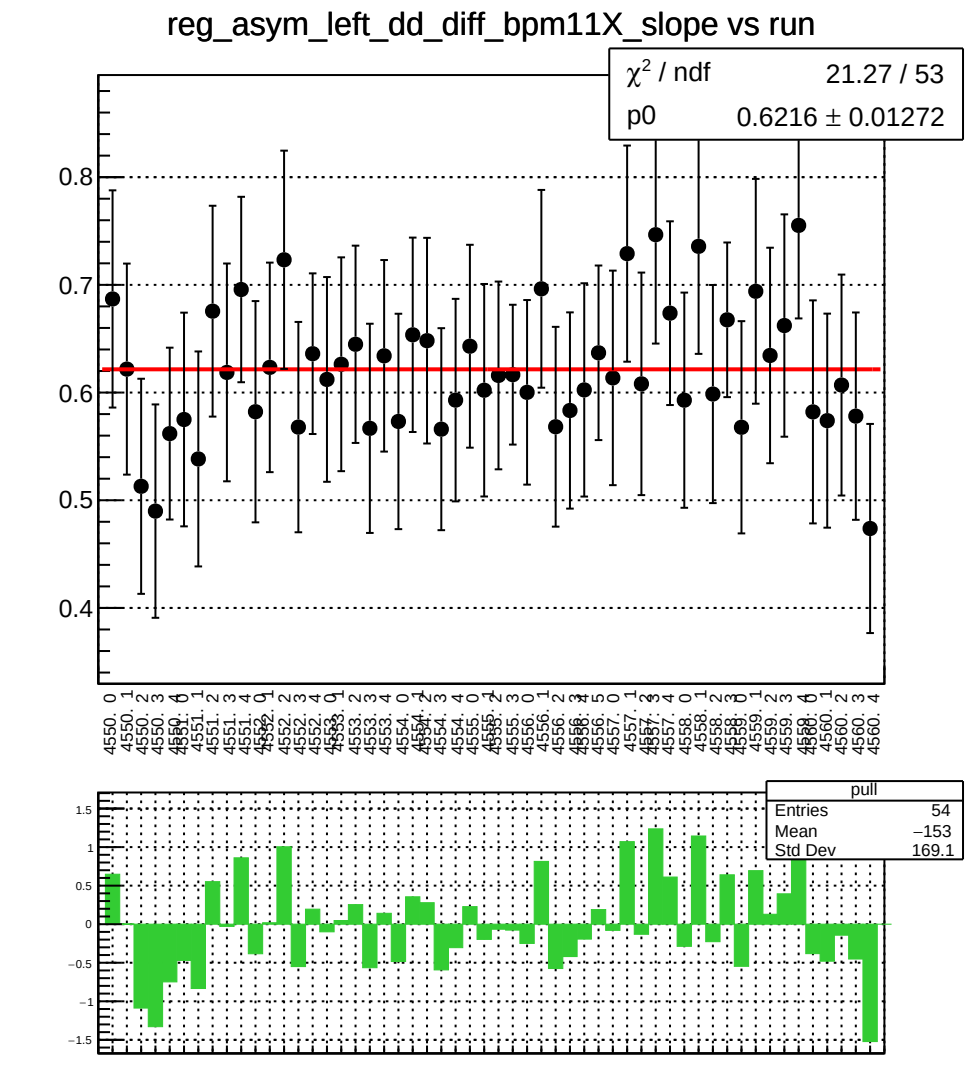

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 132.9 / 53
p0 −0.08743 ± 0.04769
pull
Entries 54
Mean −19.69
Std Dev 25.82

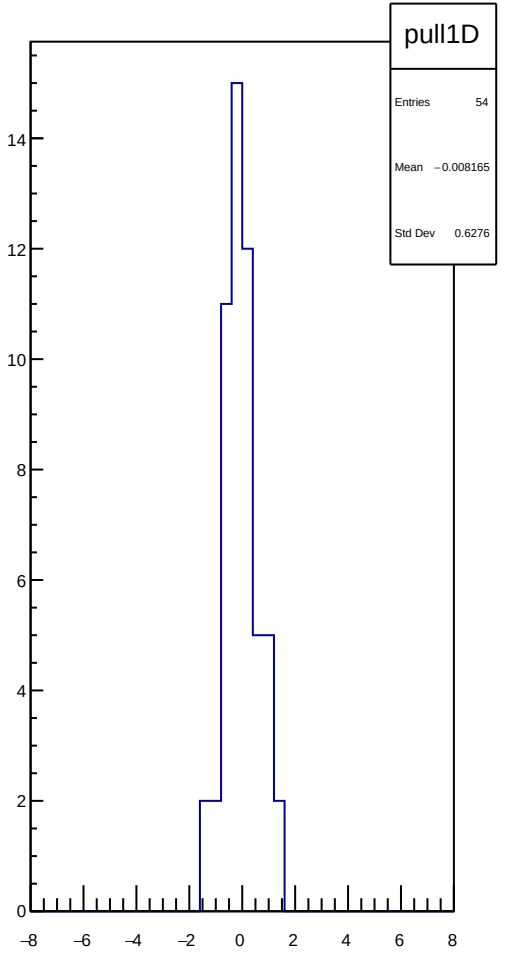

pull1D
Entries 54
Mean 0.1175
Std Dev 1.564

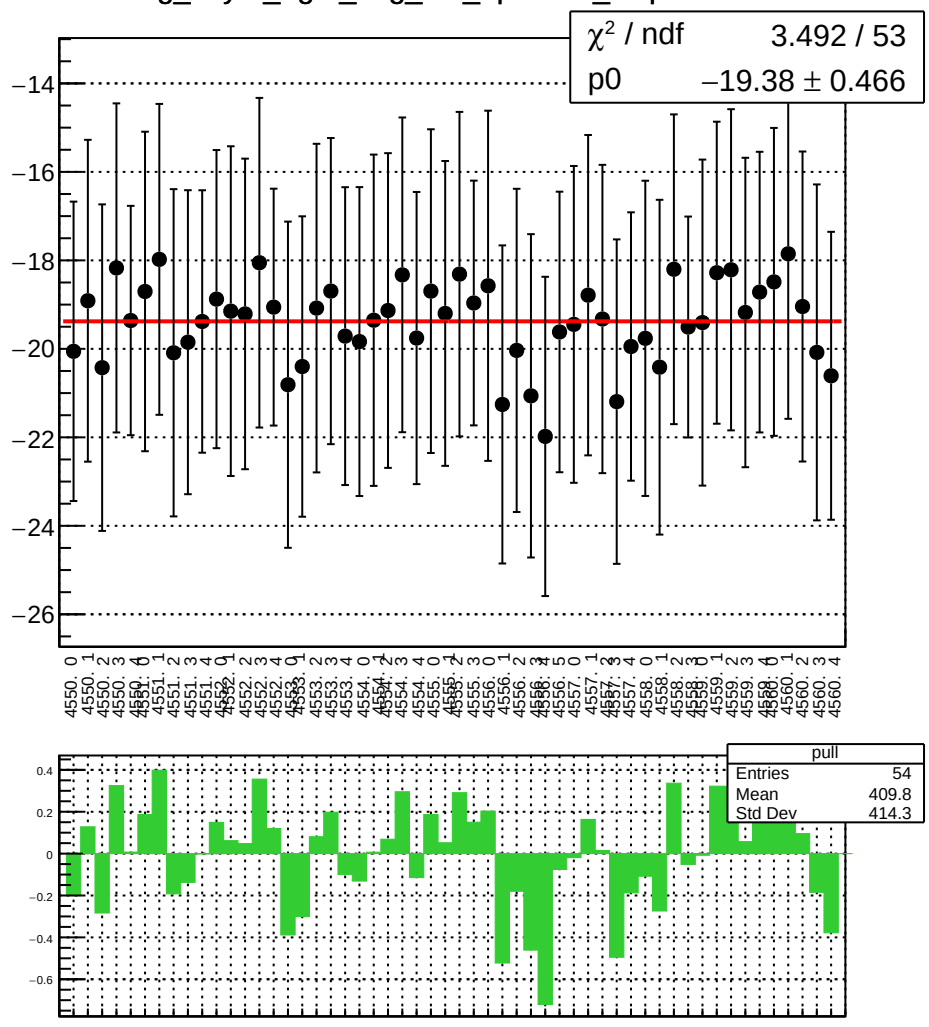

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.84 / 53
p0 2.728 ± 0.006269
pull
Entries 54
Mean −357.8
Std Dev 381.4
pull1D
Entries 54
Mean −0.006798
Std Dev 0.7434

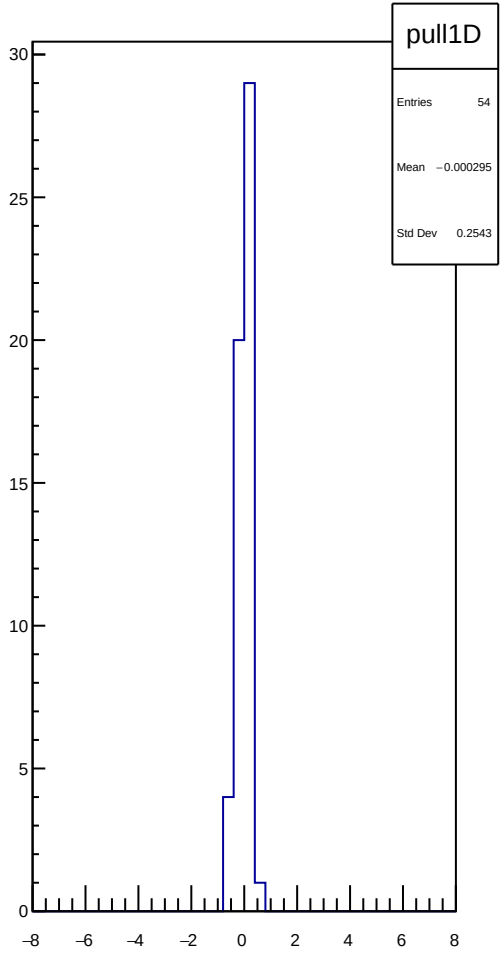

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 133.1 / 53
p0 0.2588 ± 0.0641
pull
Entries 54
Mean −21.79
Std Dev 30.58

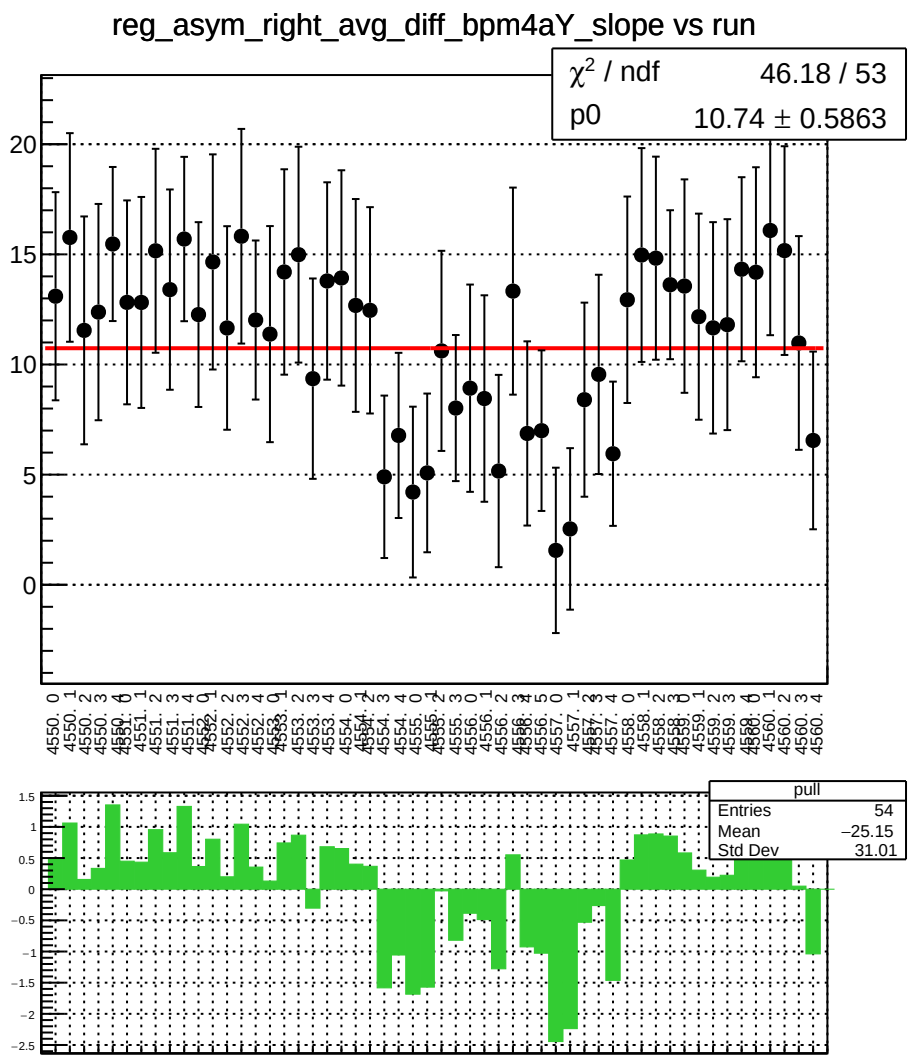

pull1D
Entries 54
Mean −0.1209
Std Dev 1.565

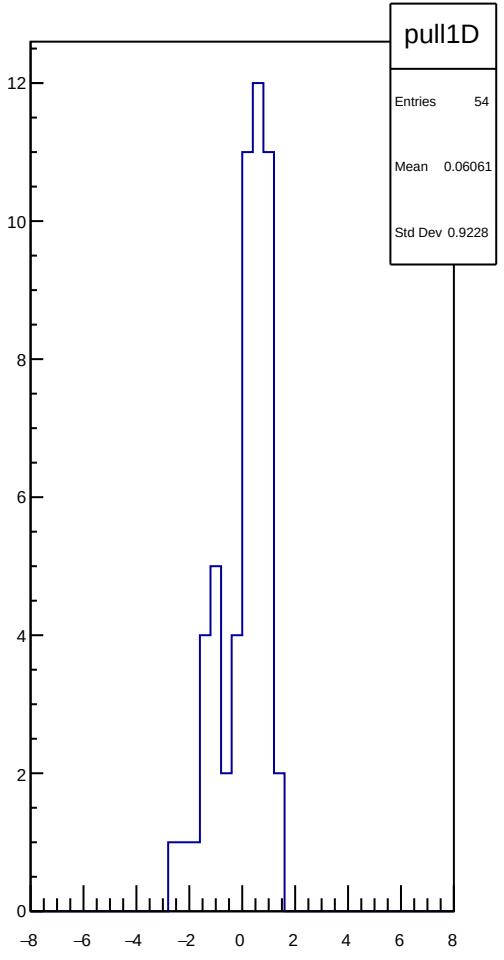

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 21.27 / 53
p0 0.6216 ± 0.01272
pull
Entries 54
Mean −153
Std Dev 169.1

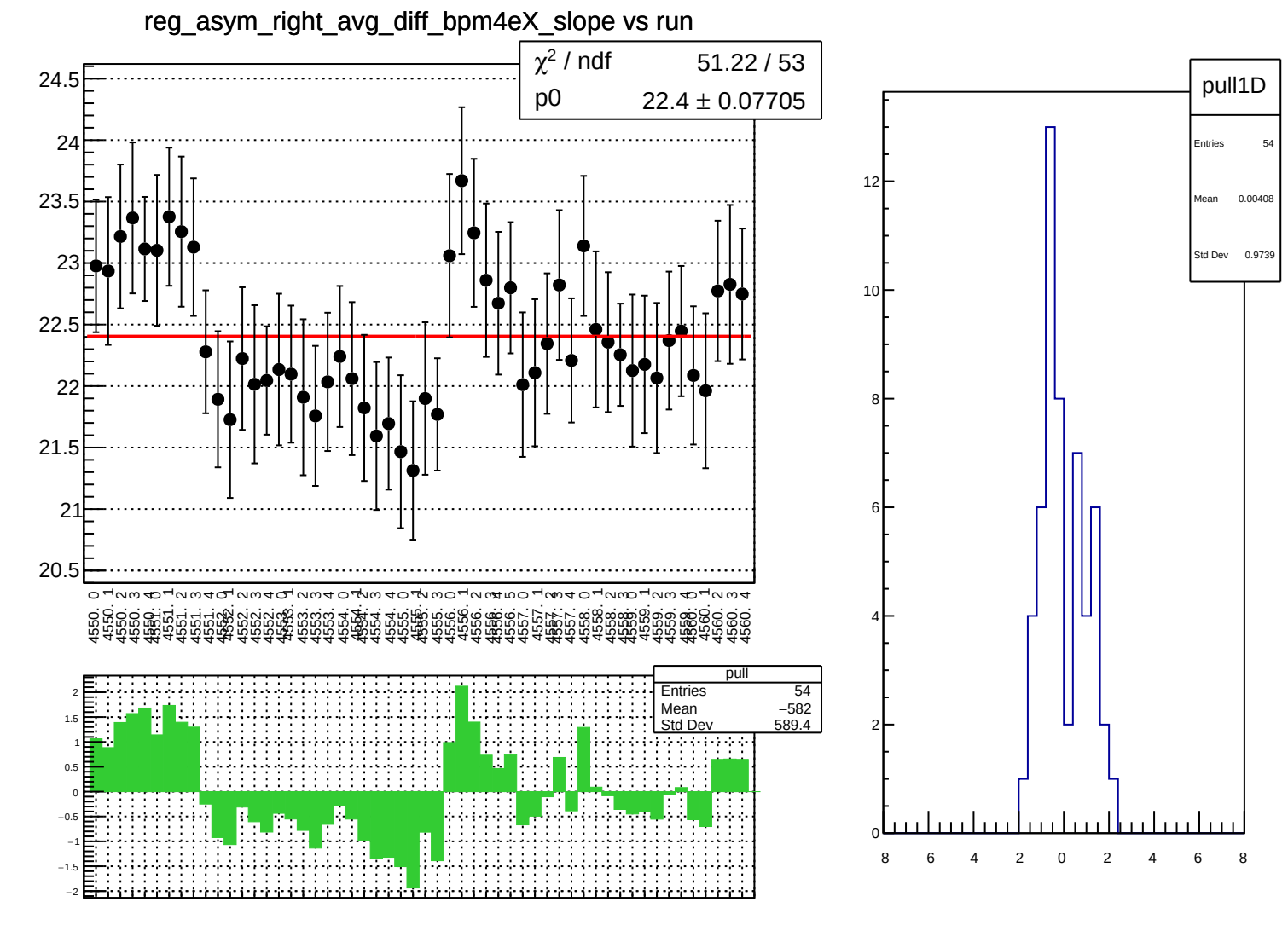

pull1D
Entries 54
Mean −0.008165
Std Dev 0.6276

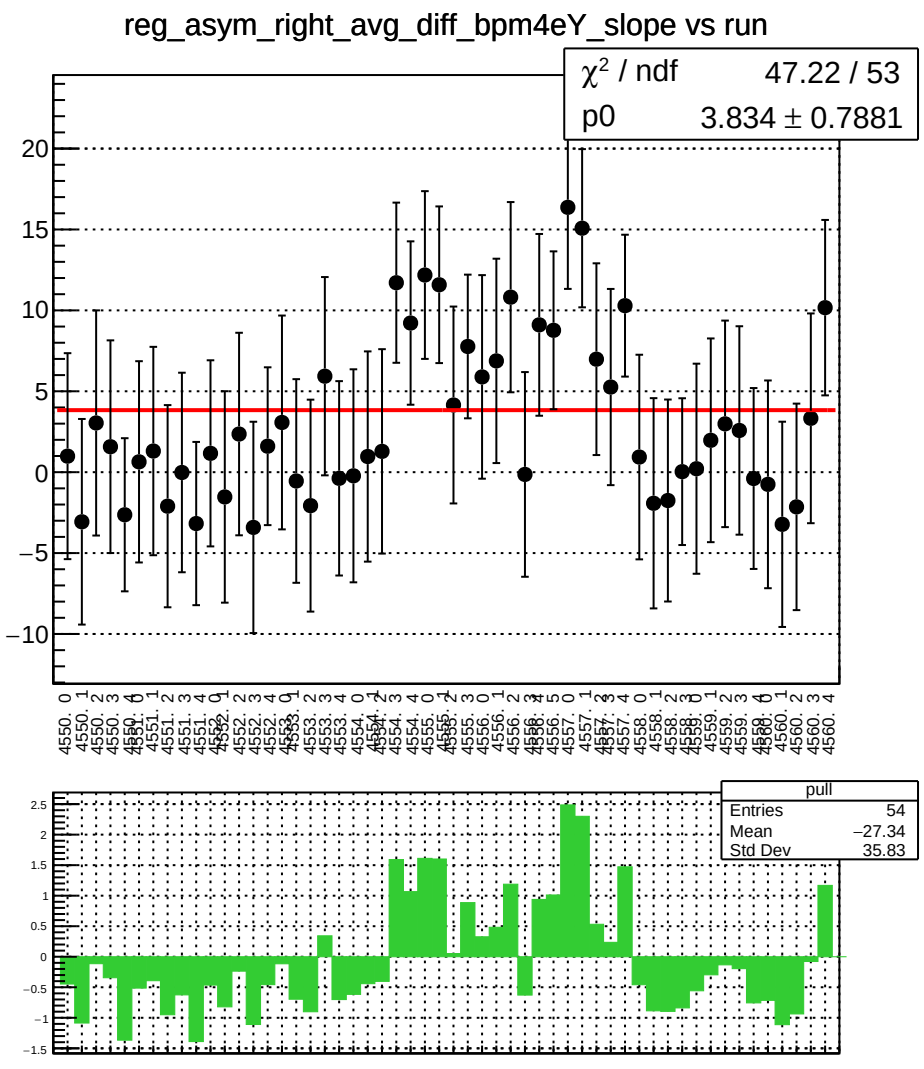

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.492 / 53
p0 −19.38 ± 0.466
pull
Entries 54
Mean 409.8
Std Dev 414.3

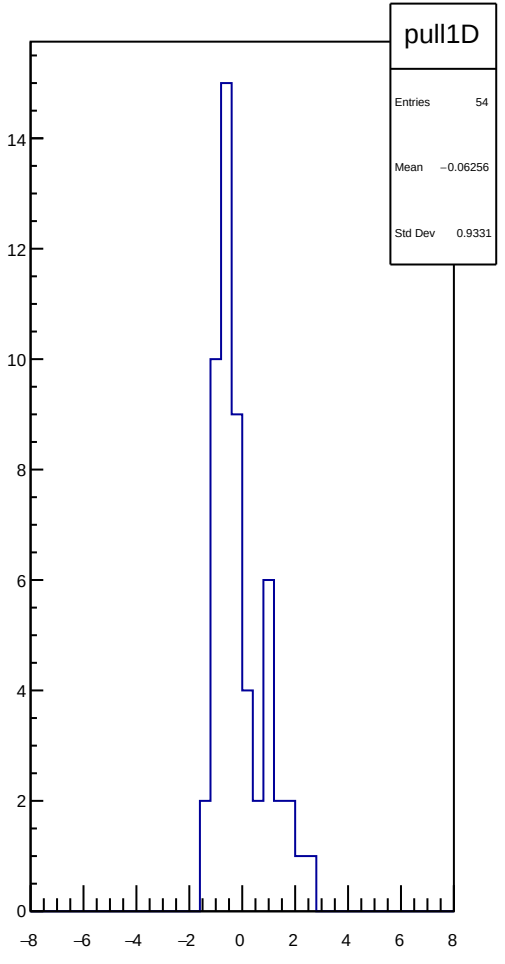

pull1D
Entries 54
Mean −0.000295
Std Dev 0.2543

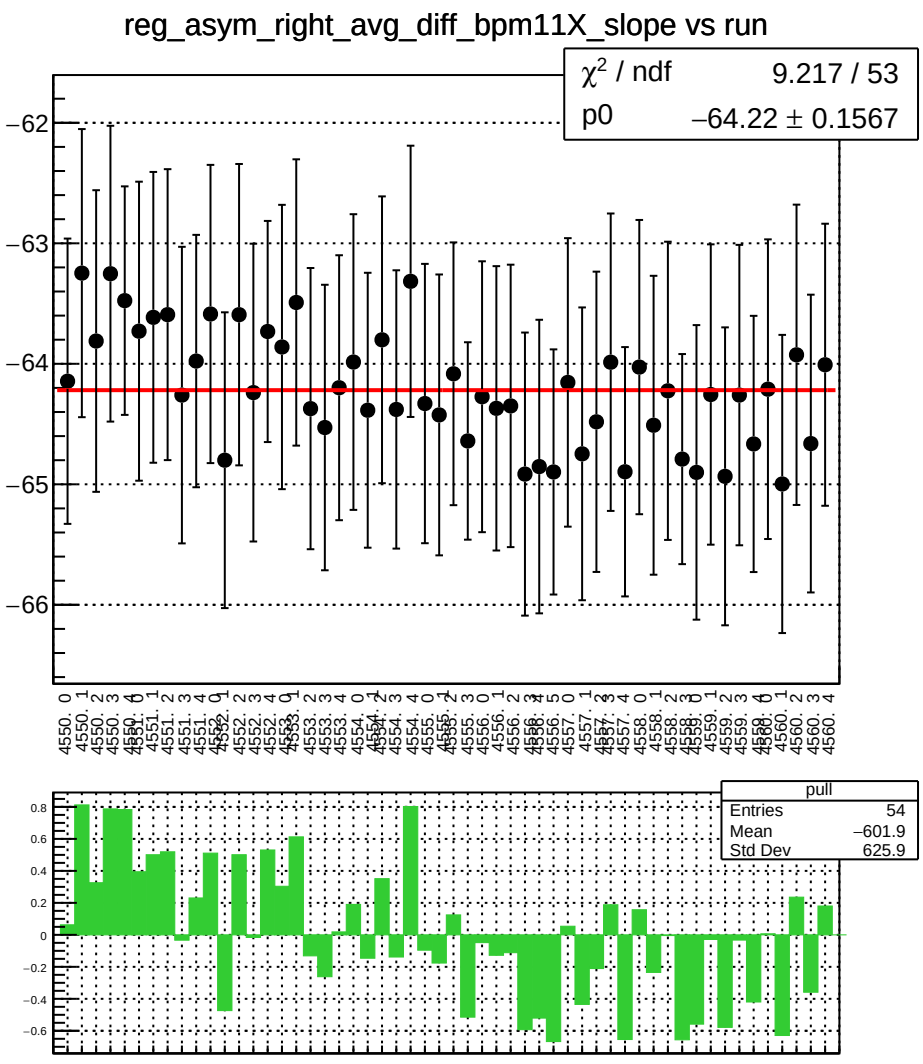

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.18 / 53
p0 10.74 ± 0.5863
pull
Entries 54
Mean −25.15
Std Dev 31.01

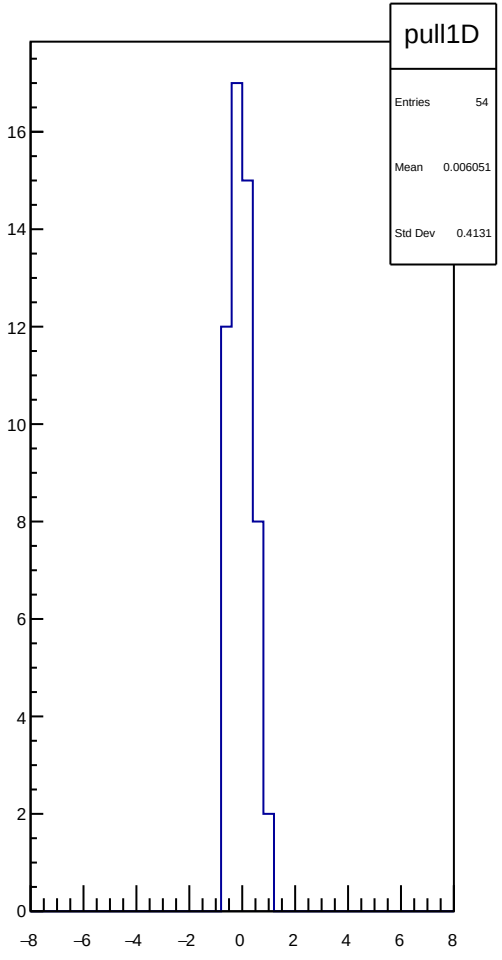

pull1D
Entries 54
Mean 0.06061
Std Dev 0.9228

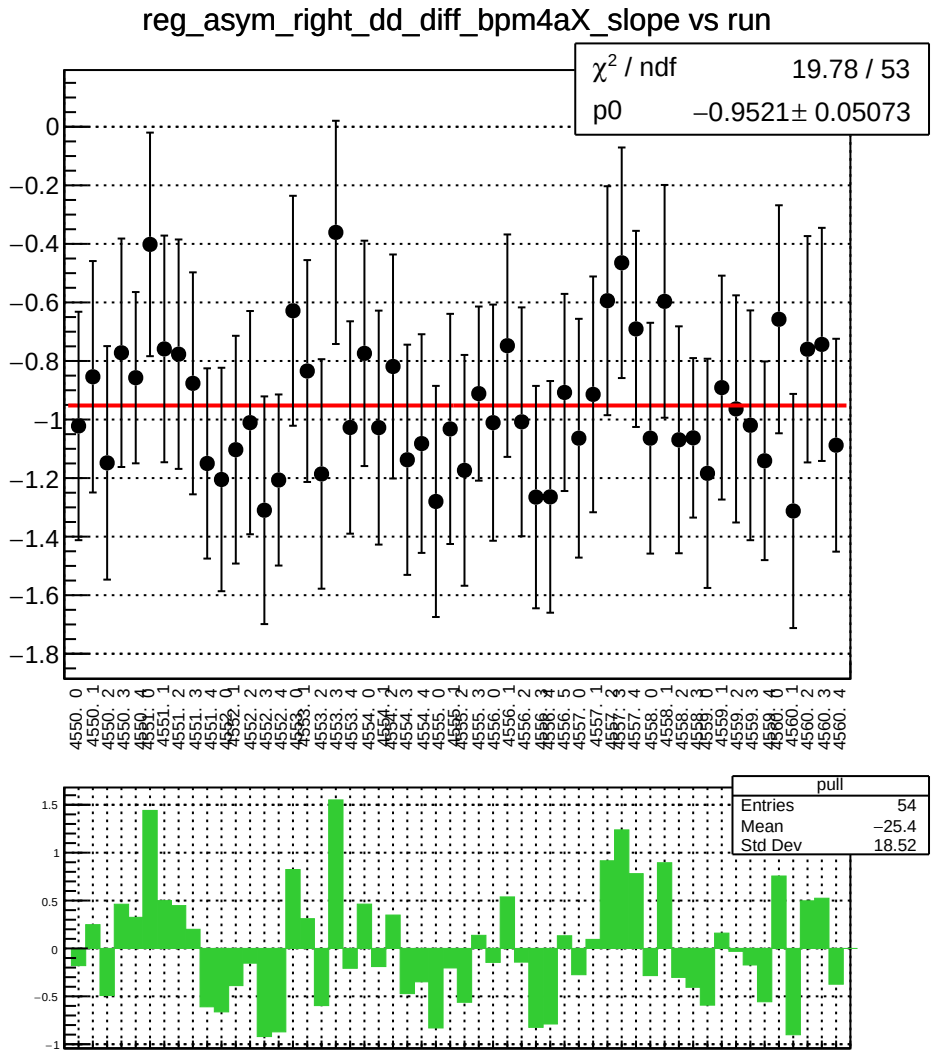

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.22 / 53
p0 22.4 ± 0.07705
pull
Entries 54
Mean −582
Std Dev 589.4
pull1D
Entries 54
Mean 0.00408
Std Dev 0.9739

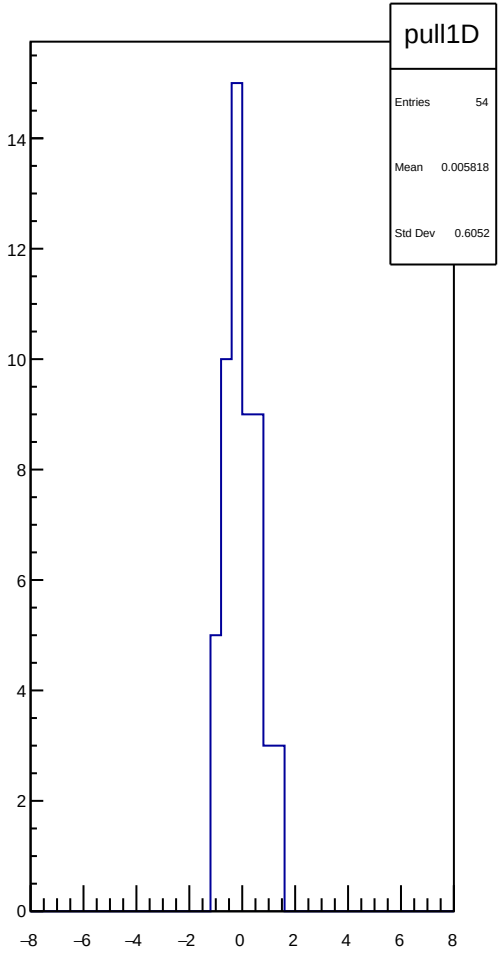

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.22 / 53
p0 3.834 ± 0.7881
pull
Entries 54
Mean −27.34
Std Dev 35.83

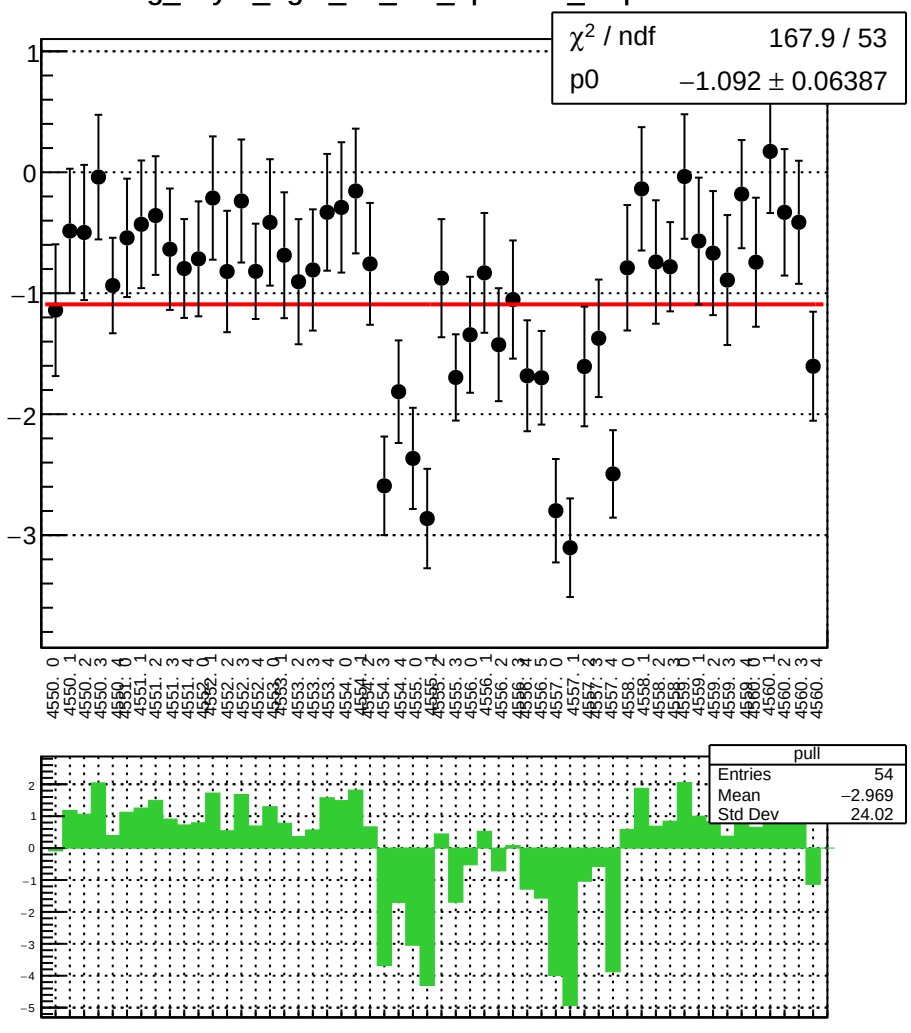

pull1D
Entries 54
Mean −0.06256
Std Dev 0.9331

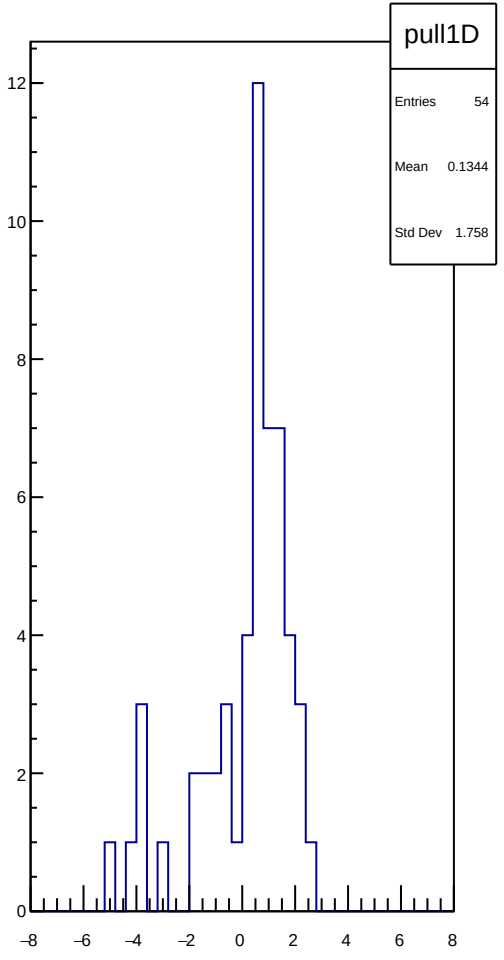

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 9.217 / 53
p0 −64.22 ± 0.1567
pull
Entries 54
Mean −601.9
Std Dev 625.9

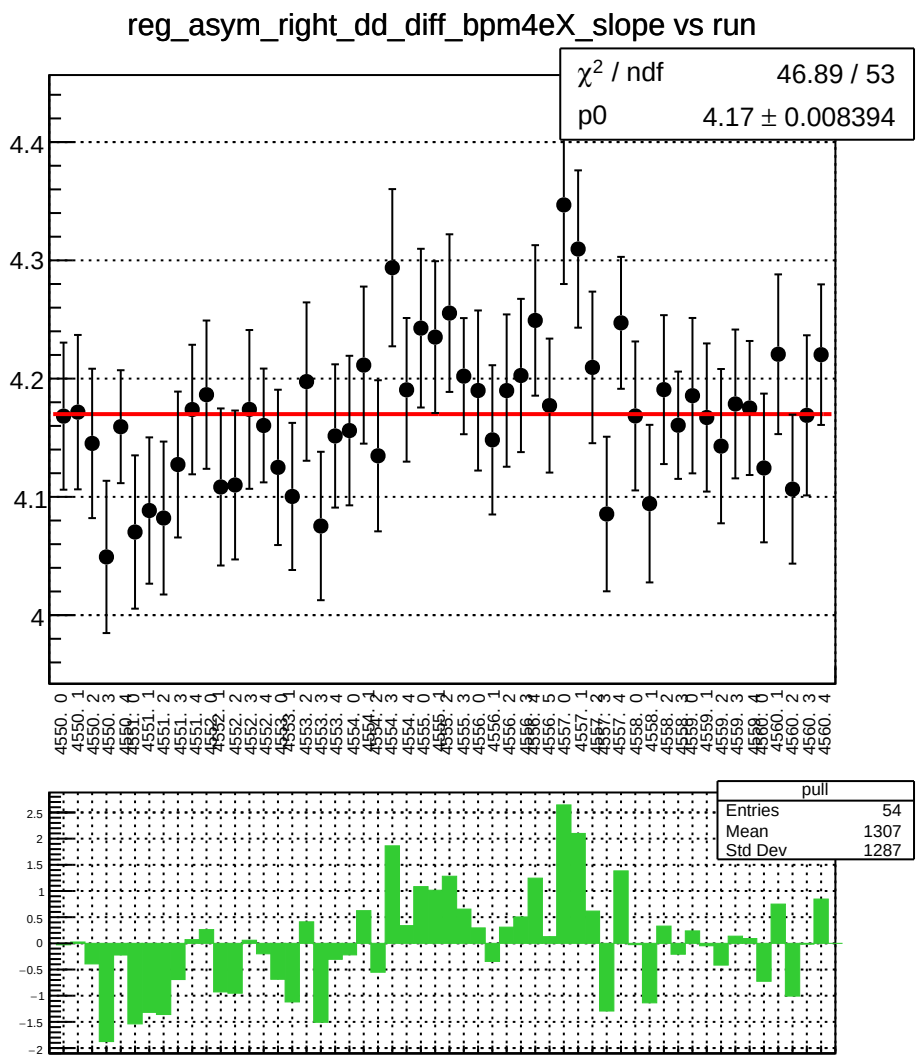

pull1D
Entries 54
Mean 0.006051
Std Dev 0.4131

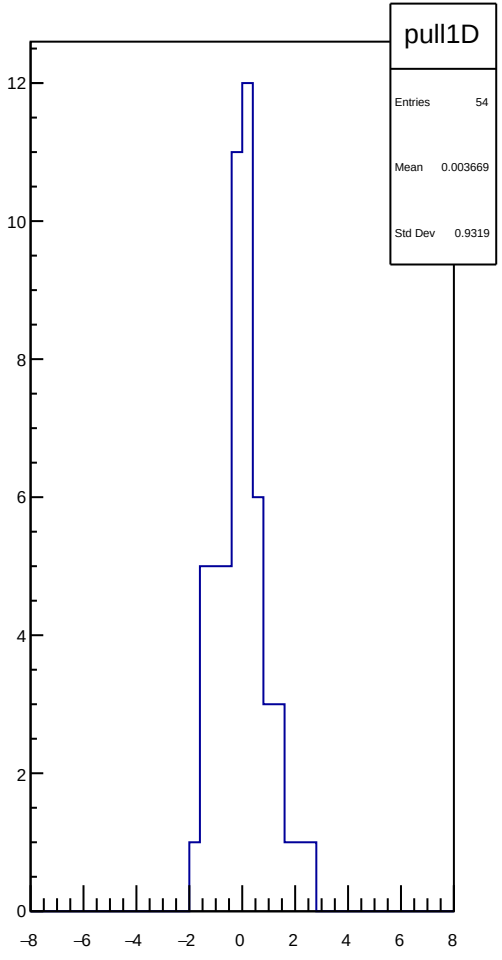

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 19.78 / 53
p0 −0.9521± 0.05073
pull
Entries 54
Mean −25.4
Std Dev 18.52

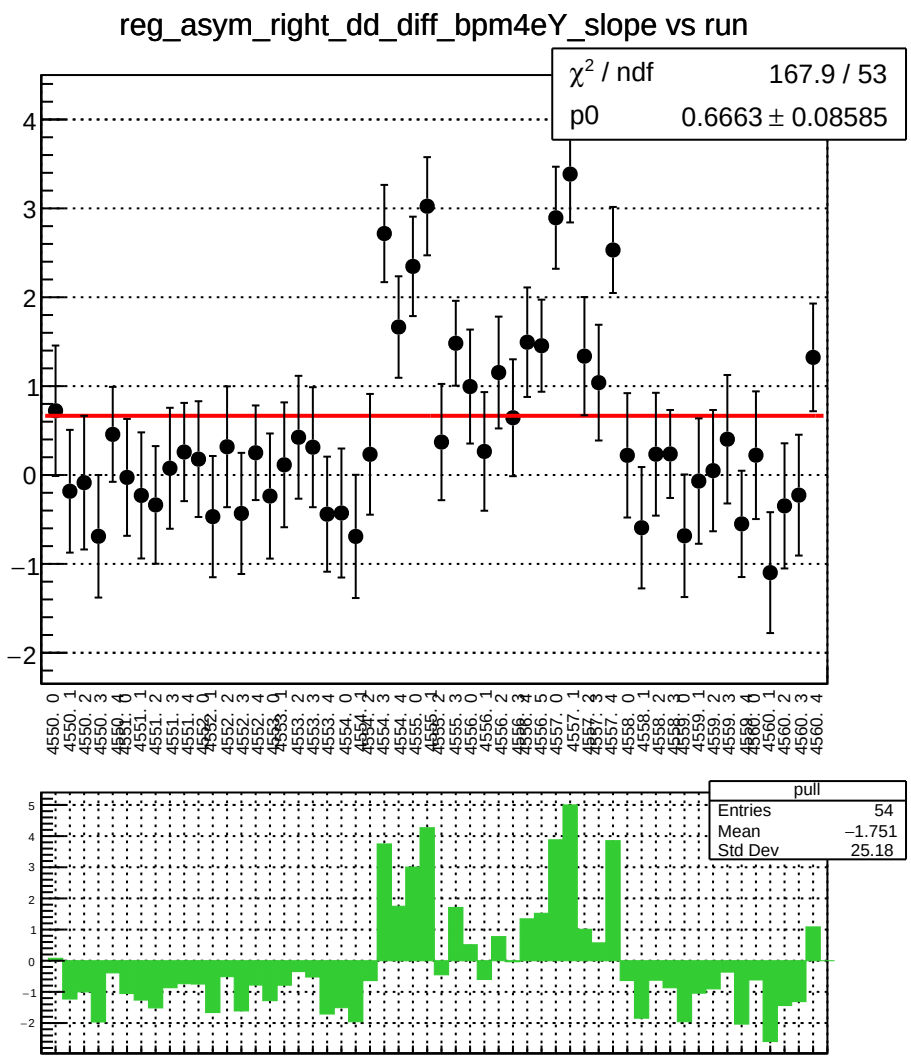

pull1D
Entries 54
Mean 0.005818
Std Dev 0.6052

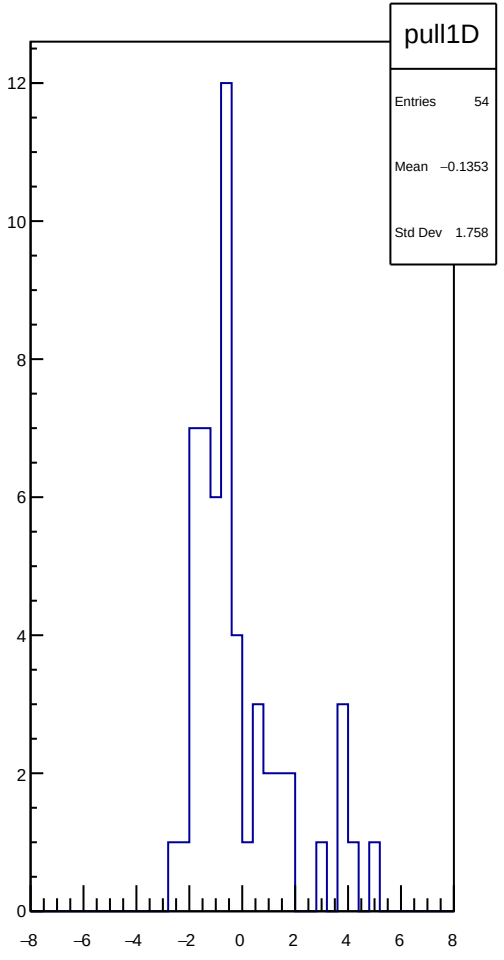

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 167.9 / 53
p0 −1.092 ± 0.06387
pull
Entries 54
Mean −2.969
Std Dev 24.02

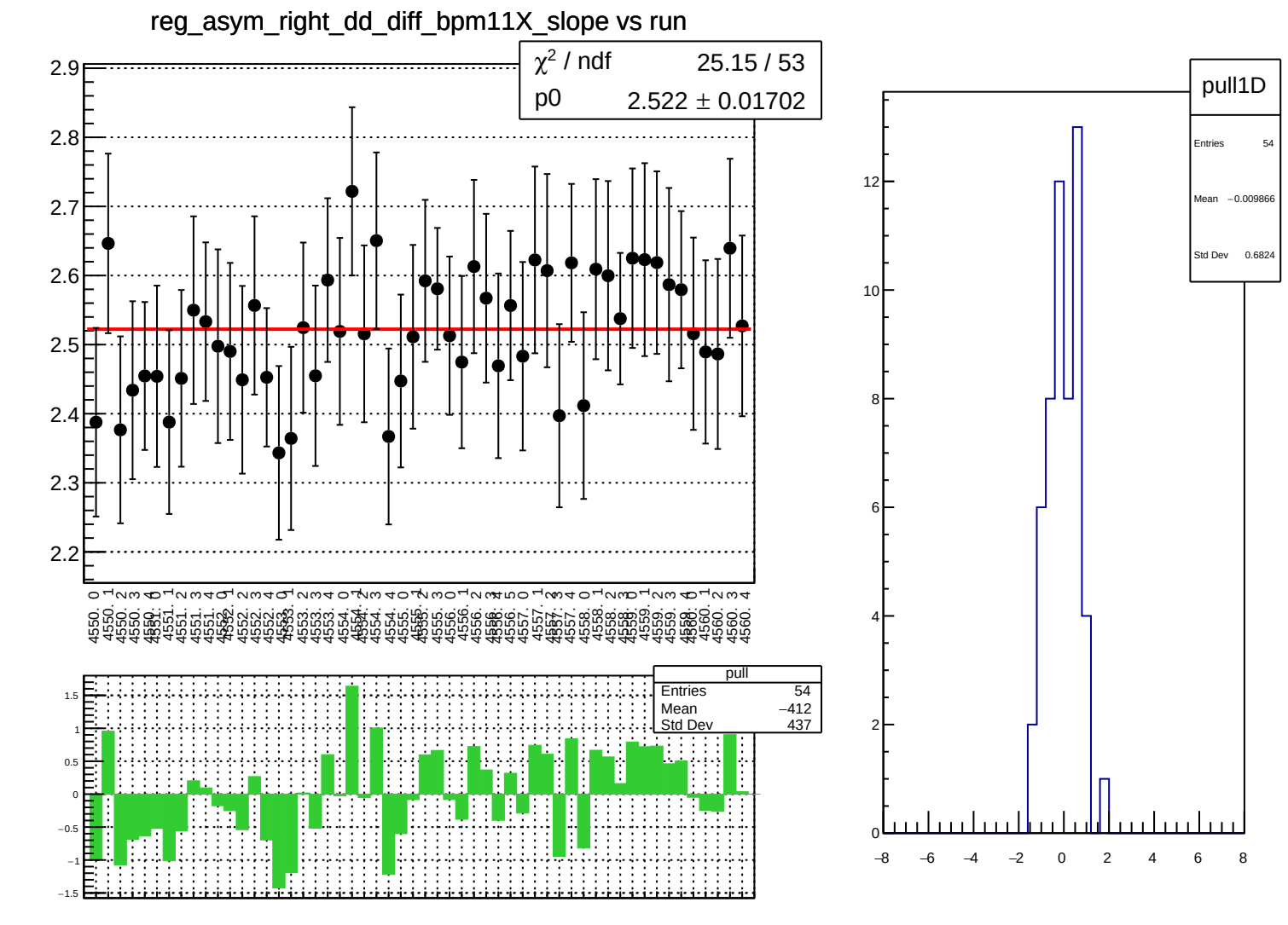

pull1D
Entries 54
Mean 0.1344
Std Dev 1.758

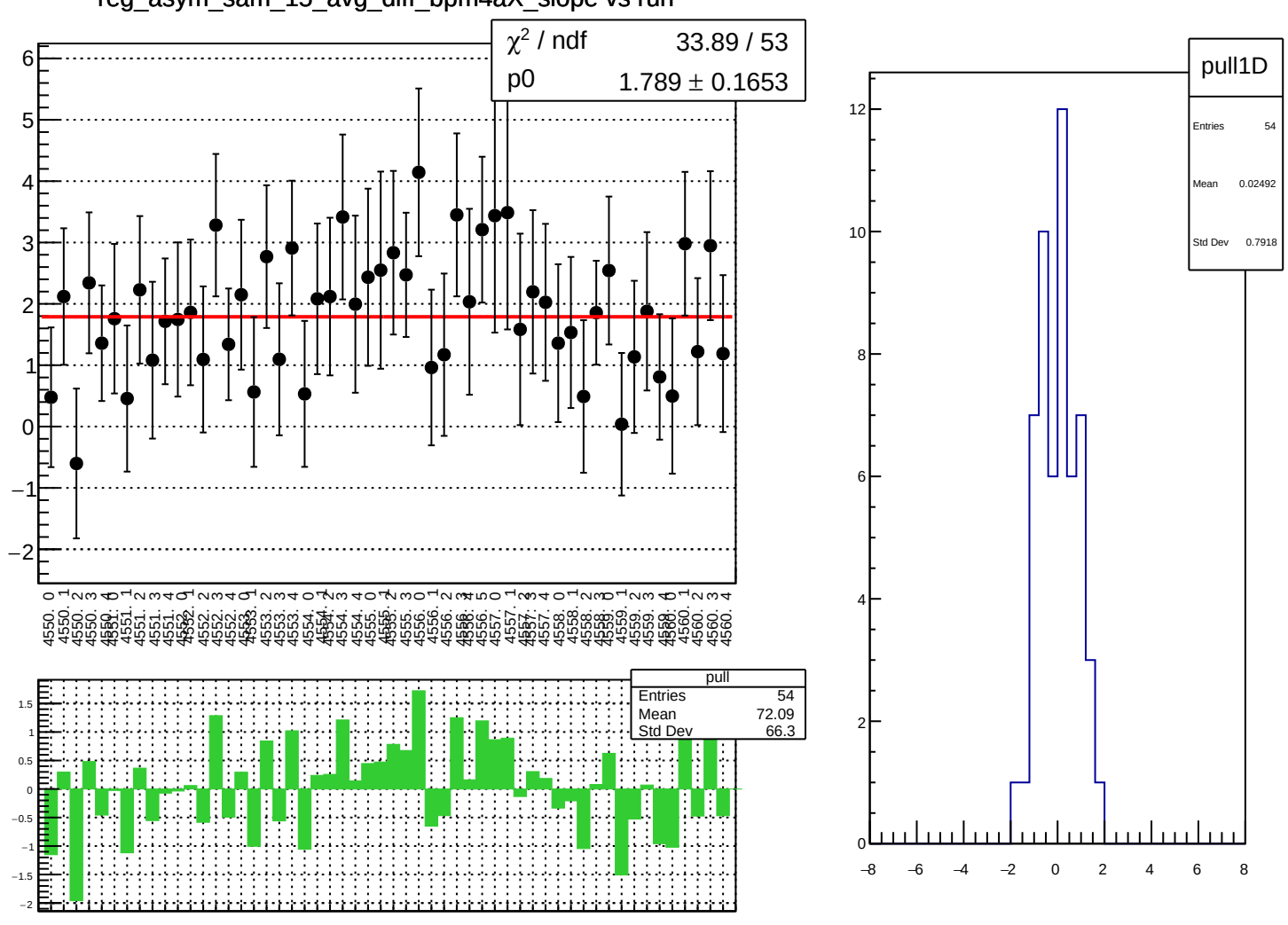

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.89 / 53
p0 4.17 ± 0.008394
4.4
4.3
4.2
4.1
4
pull
Entries 54
Mean 1307
Std Dev 1287
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

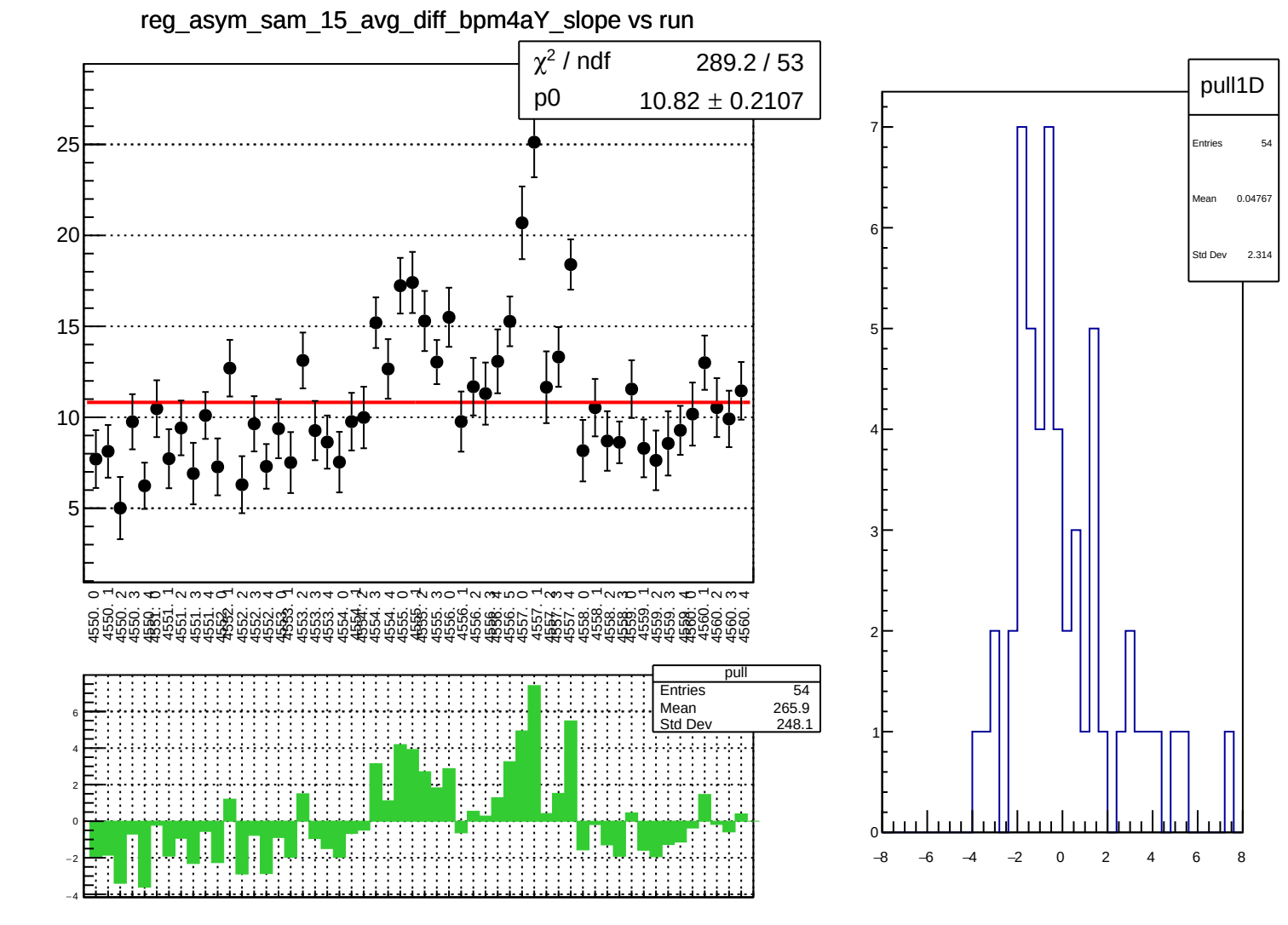

pull1D
Entries 54
Mean 0.003669
Std Dev 0.9319
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

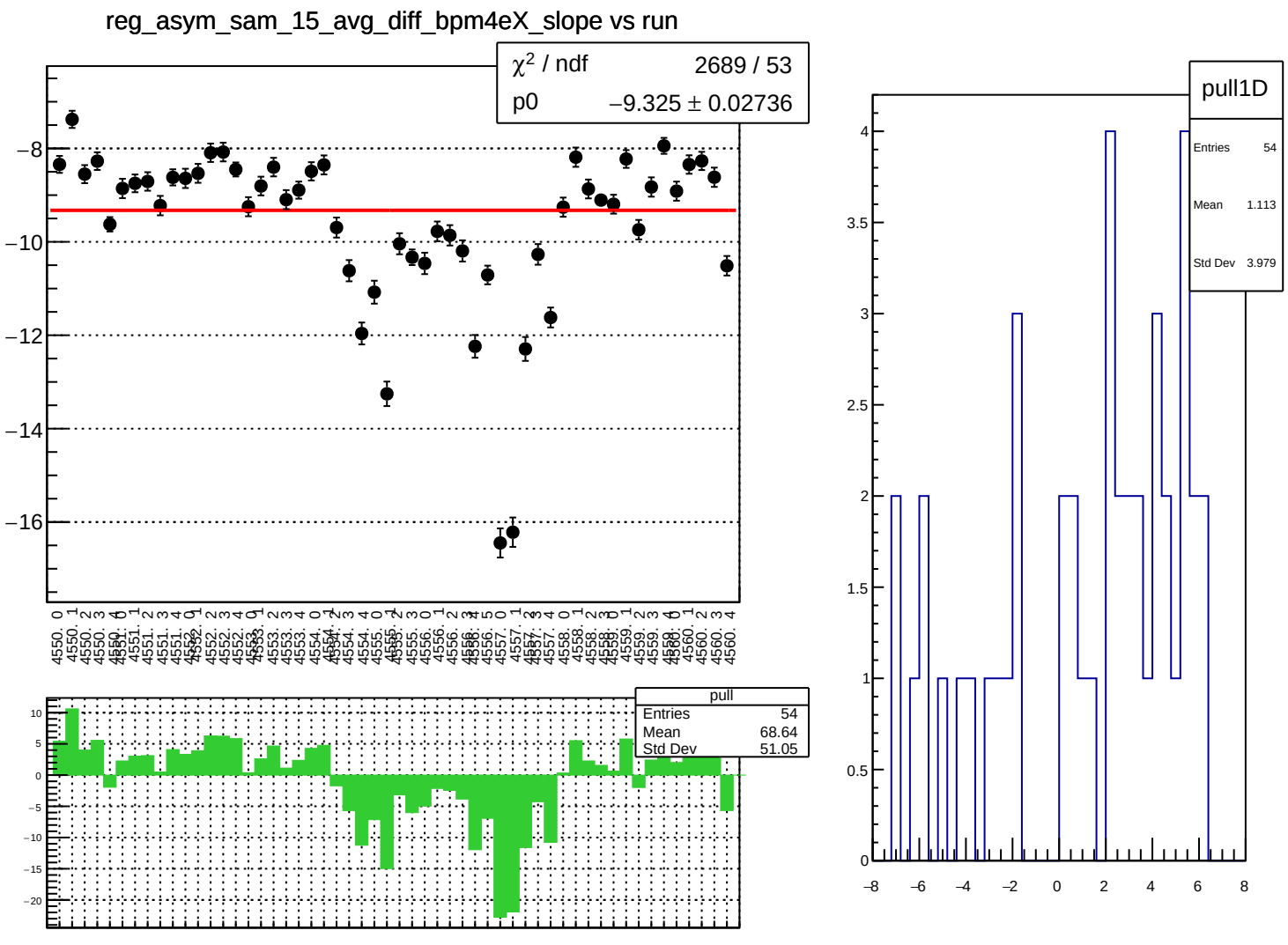

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 167.9 / 53
p0 0.6663 ± 0.08585
pull
Entries 54
Mean −1.751
Std Dev 25.18

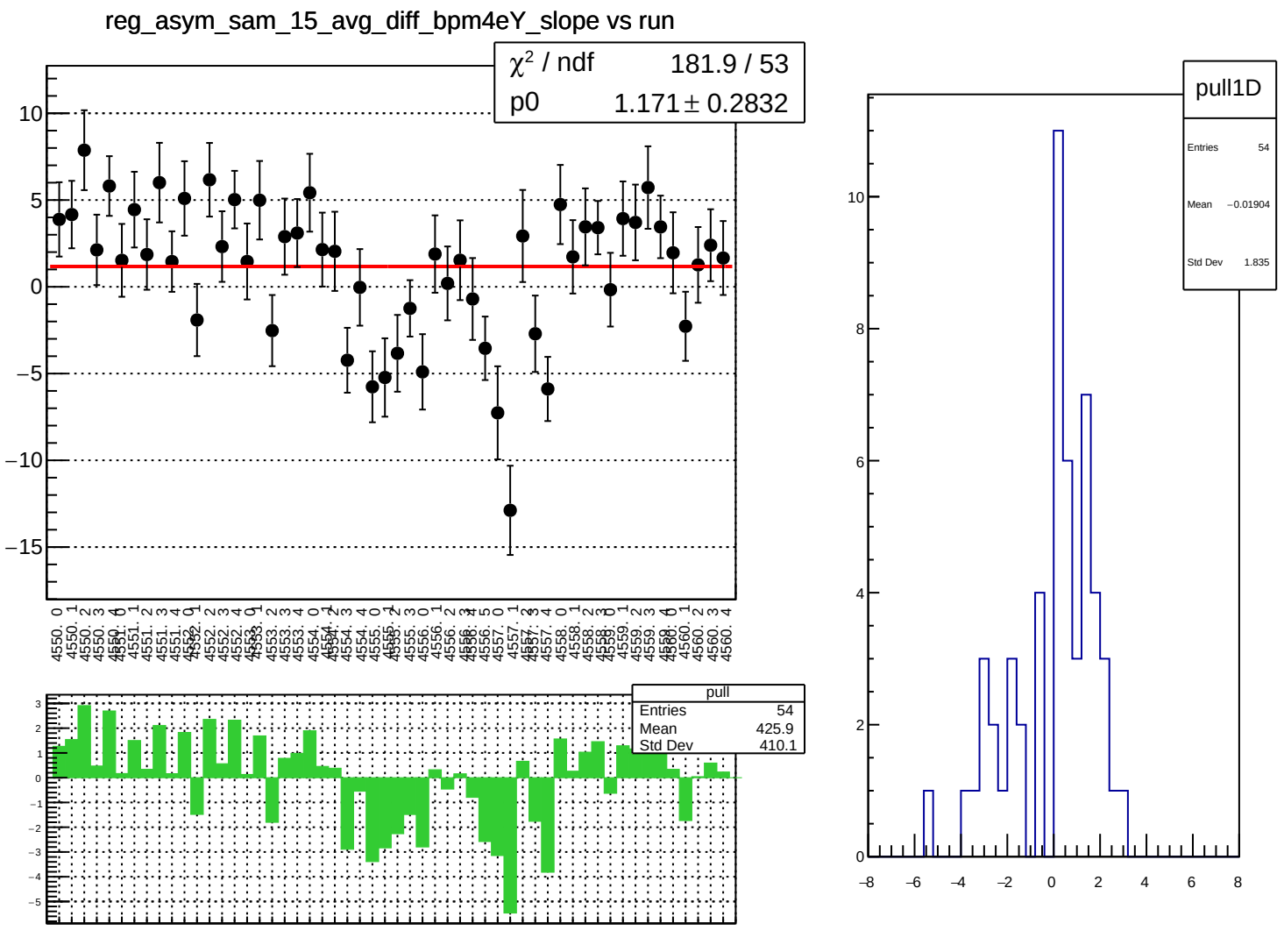

pull1D
Entries 54
Mean −0.1353
Std Dev 1.758

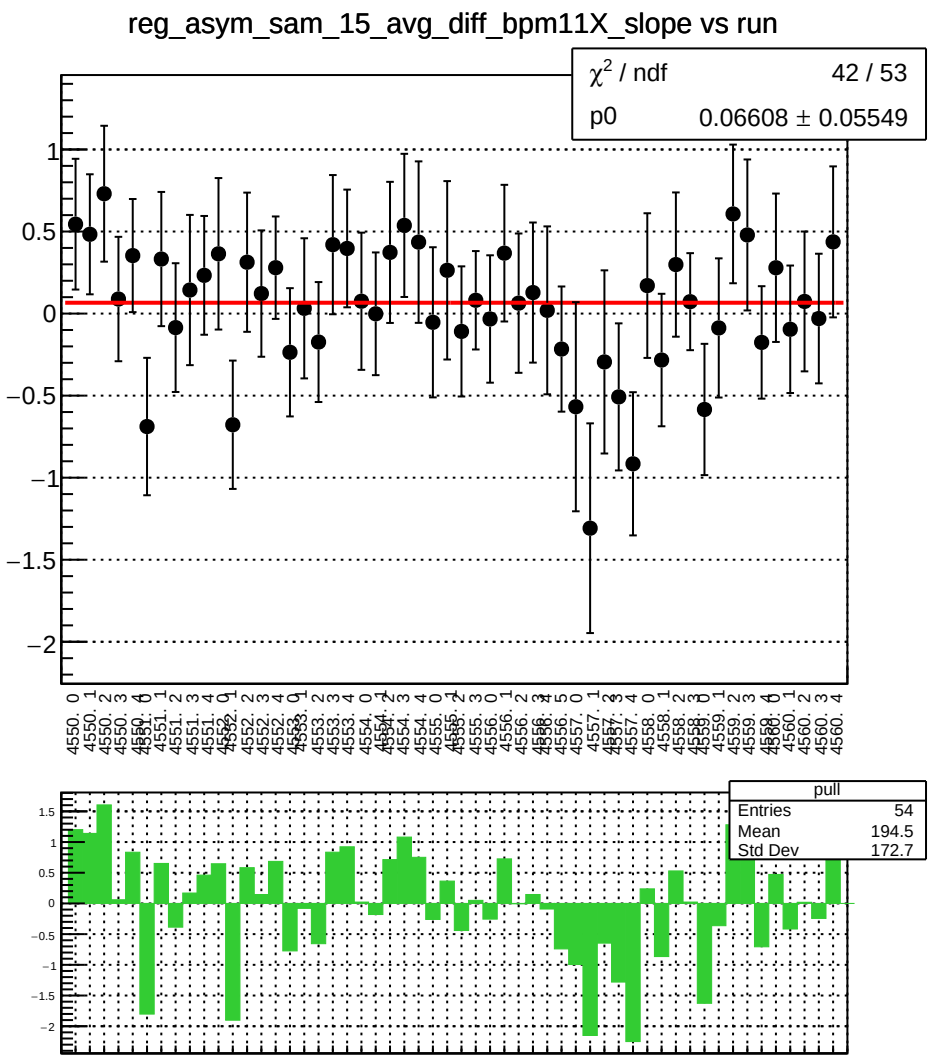

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 25.15 / 53
p0 2.522 ± 0.01702
pull
Entries 54
Mean −412
Std Dev 437
pull1D
Entries 54
Mean −0.009866
Std Dev 0.6824

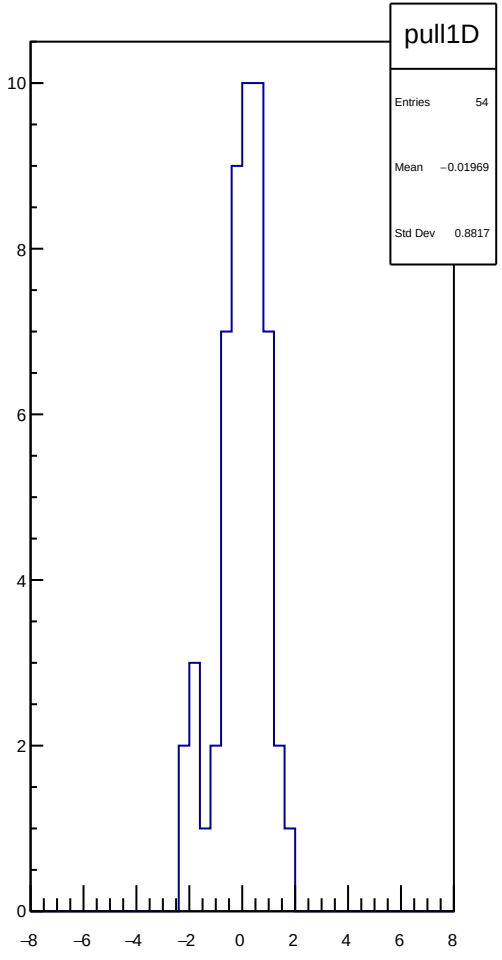

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 33.89 / 53
p0 1.789 ± 0.1653
pull
Entries 54
Mean 72.09
Std Dev 66.3
pull1D
Entries 54
Mean 0.02492
Std Dev 0.7918

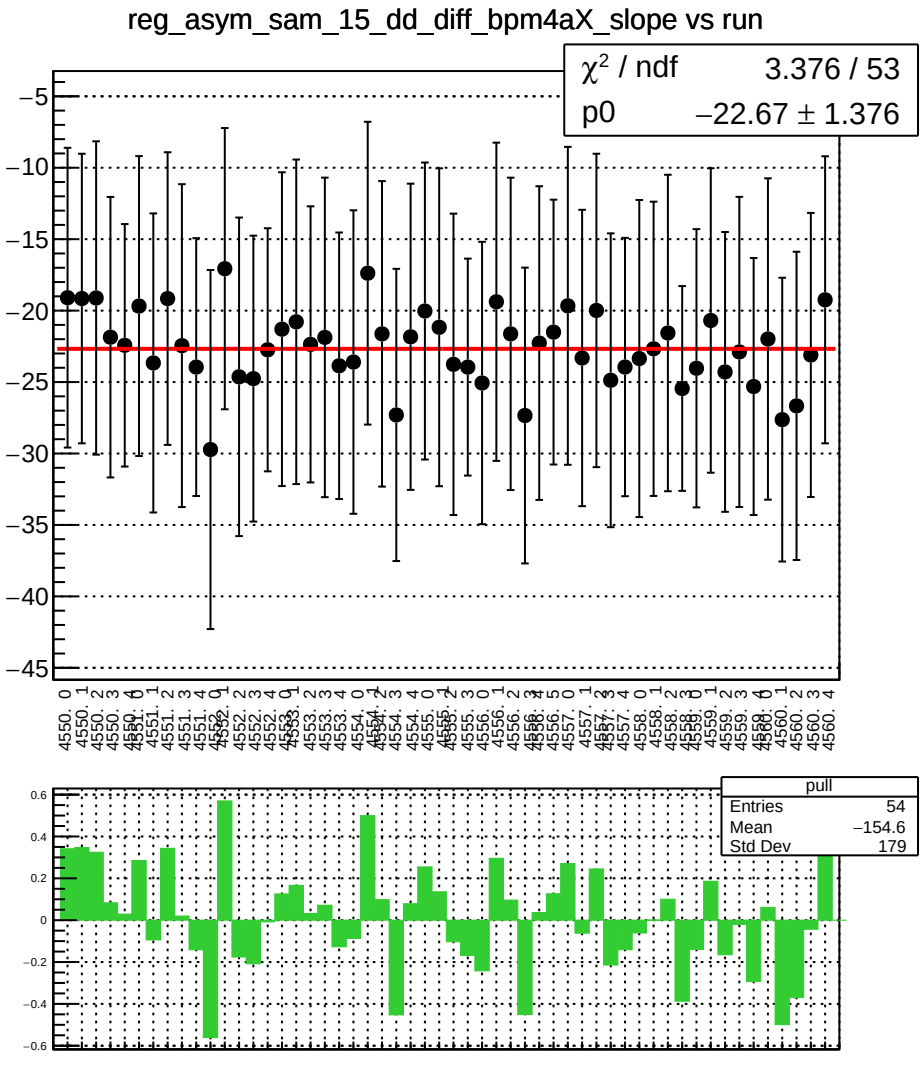

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 289.2 / 53
p0 10.82 ± 0.2107
pull
Entries 54
Mean 265.9
Std Dev 248.1
pull1D
Entries 54
Mean 0.04767
Std Dev 2.314

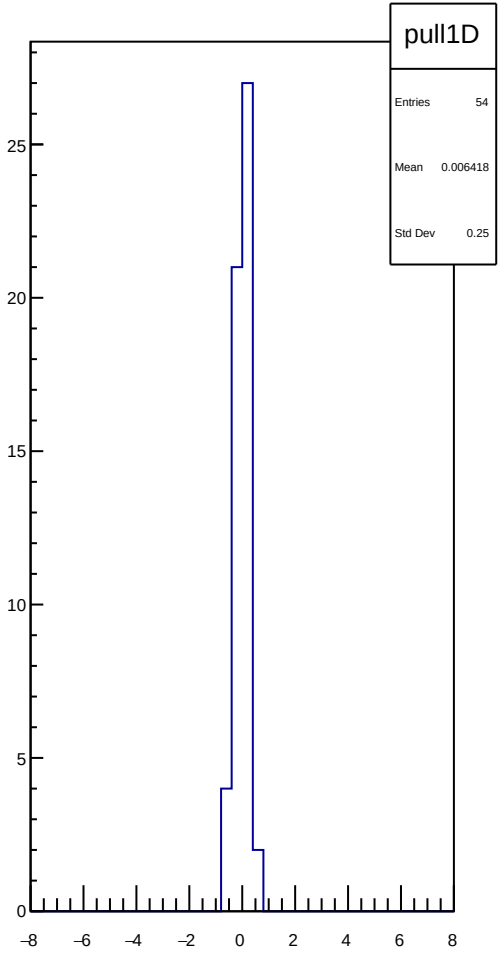

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 2689 / 53
p0 −9.325 ± 0.02736
pull
Entries 54
Mean 68.64
Std Dev 51.05
pull1D
Entries 54
Mean 1.113
Std Dev 3.979

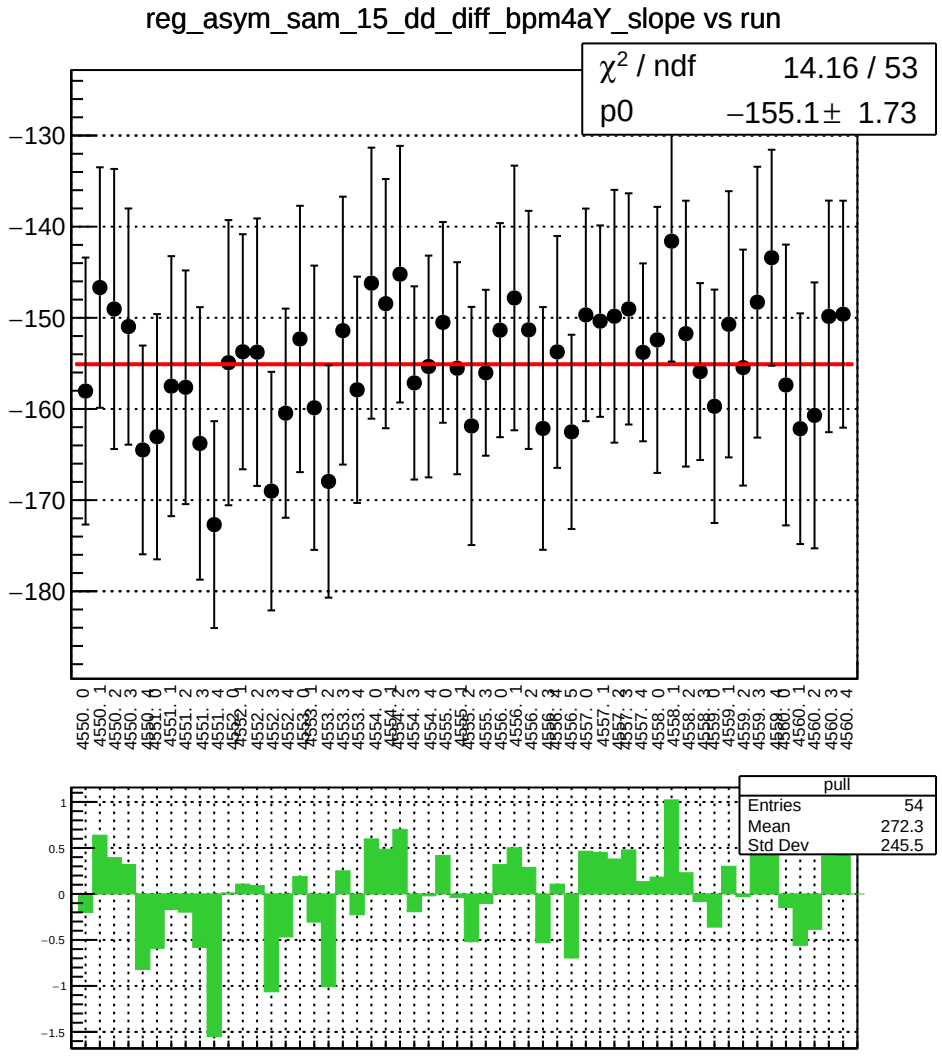

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 181.9 / 53
p0 1.171 ± 0.2832
pull
Entries 54
Mean 425.9
Std Dev 410.1
pull1D
Entries 54
Mean −0.01904
Std Dev 1.835

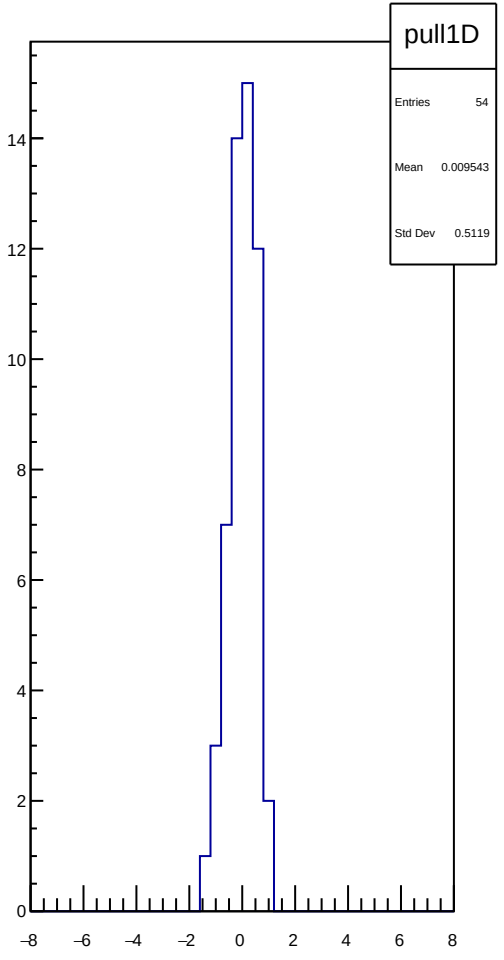

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 42 / 53
p0 0.06608 ± 0.05549
pull
Entries 54
Mean 194.5
Std Dev 172.7

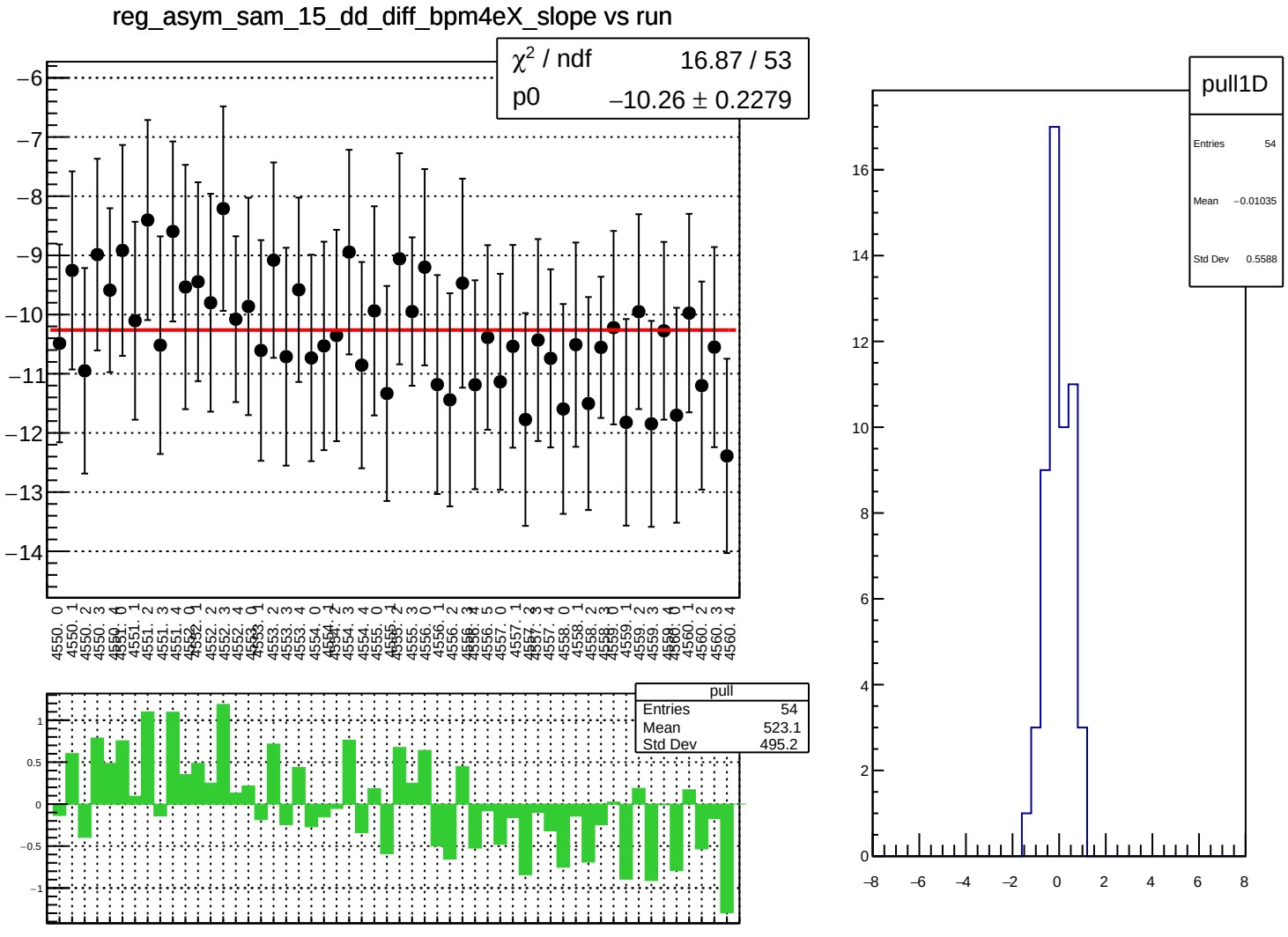

pull1D
Entries 54
Mean −0.01969
Std Dev 0.8817

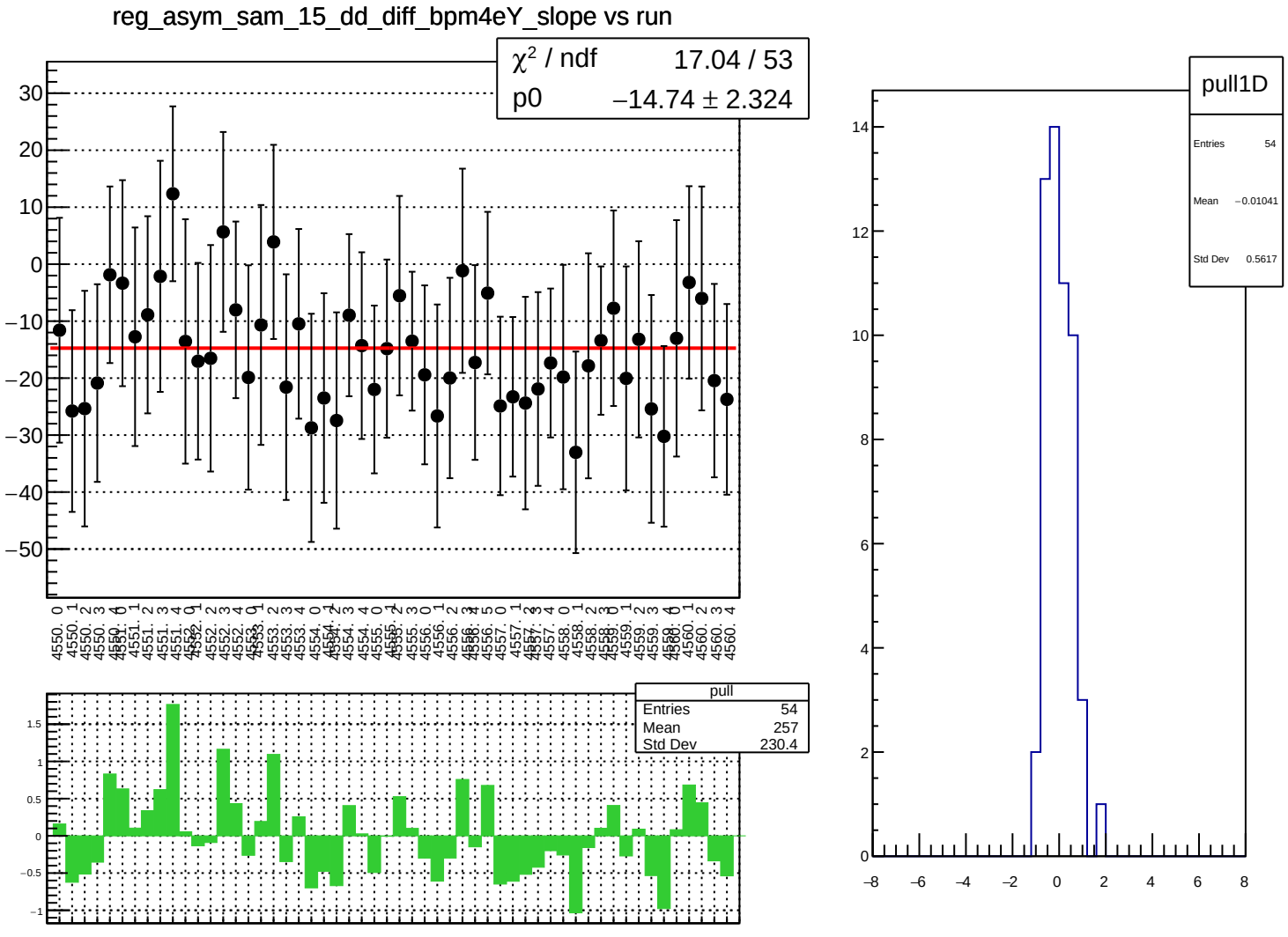

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.376 / 53
p0 −22.67 ± 1.376
pull
Entries 54
Mean −154.6
Std Dev 179

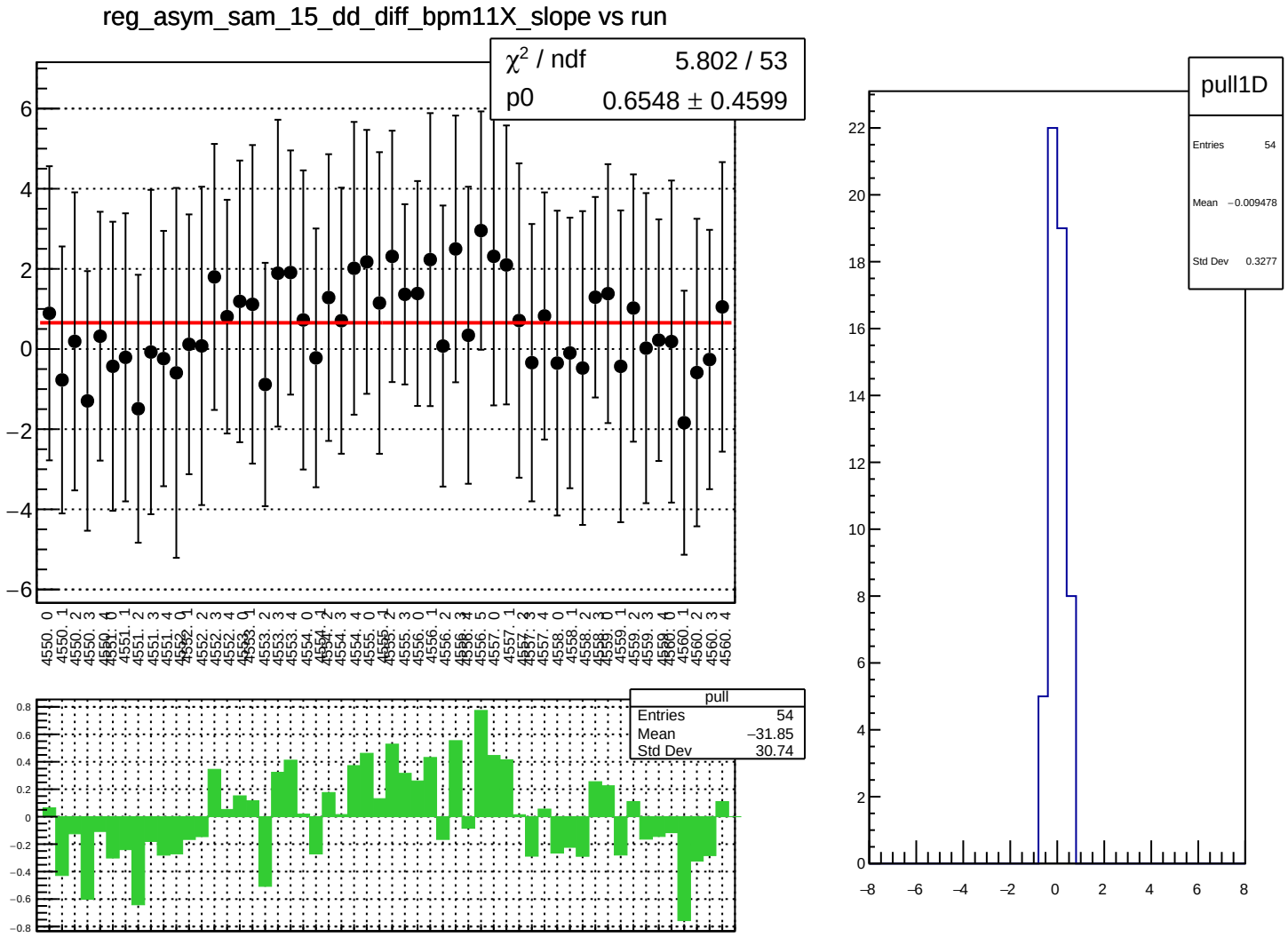

pull1D
Entries 54
Mean 0.006418
Std Dev 0.25

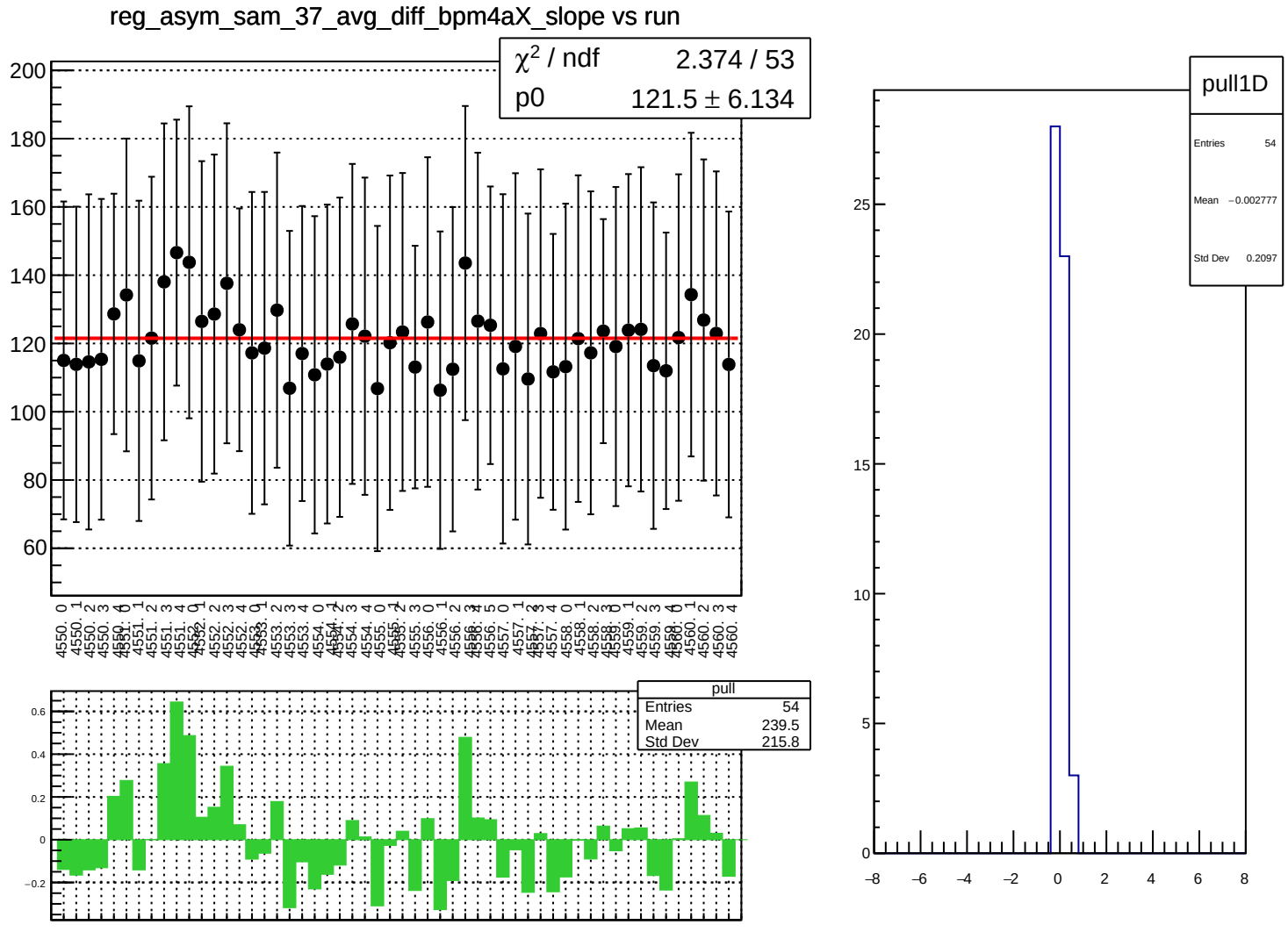

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.16 / 53
p0 −155.1± 1.73
pull
Entries 54
Mean 272.3
Std Dev 245.5

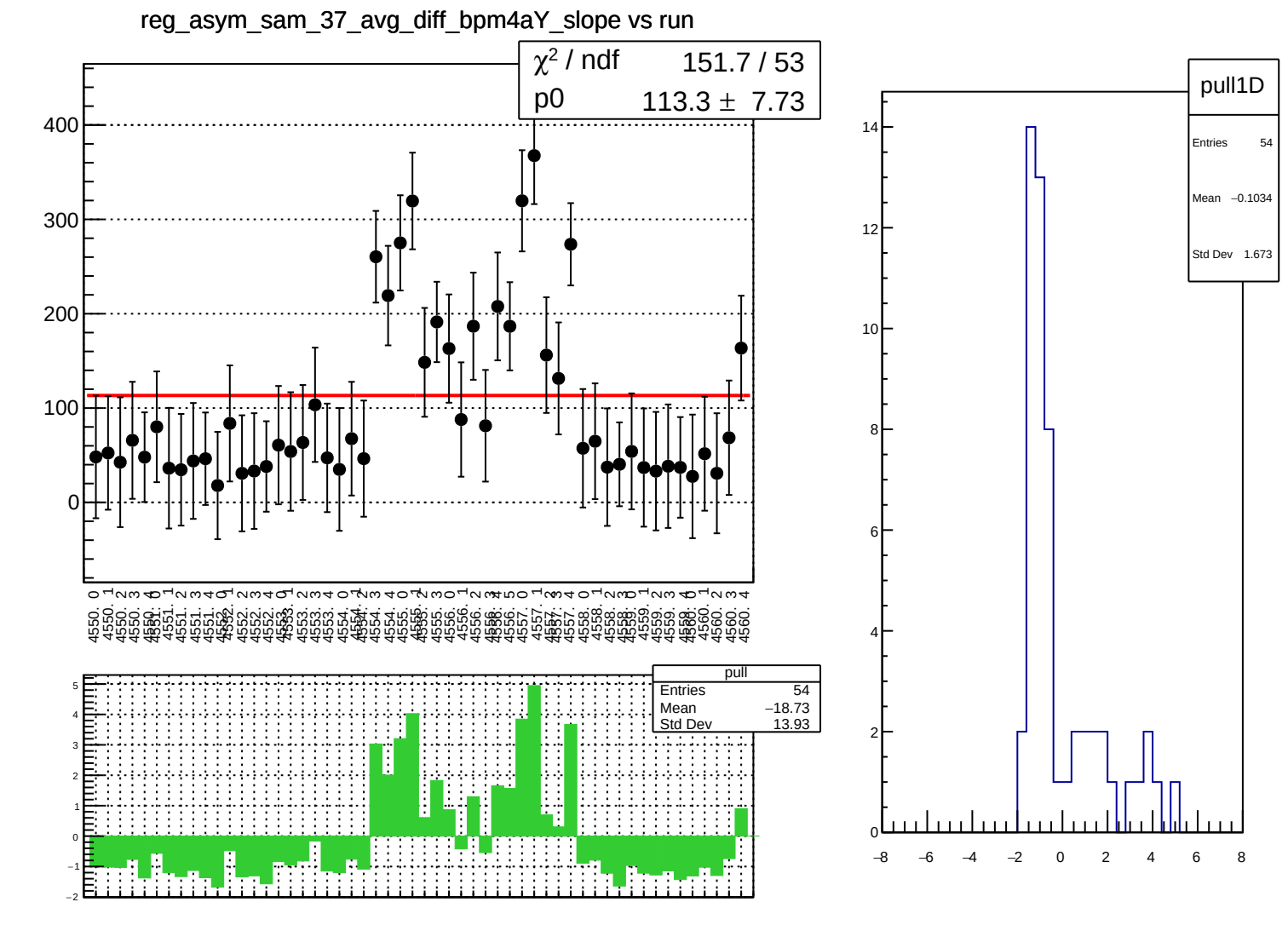

pull1D
Entries 54
Mean 0.009543
Std Dev 0.5119

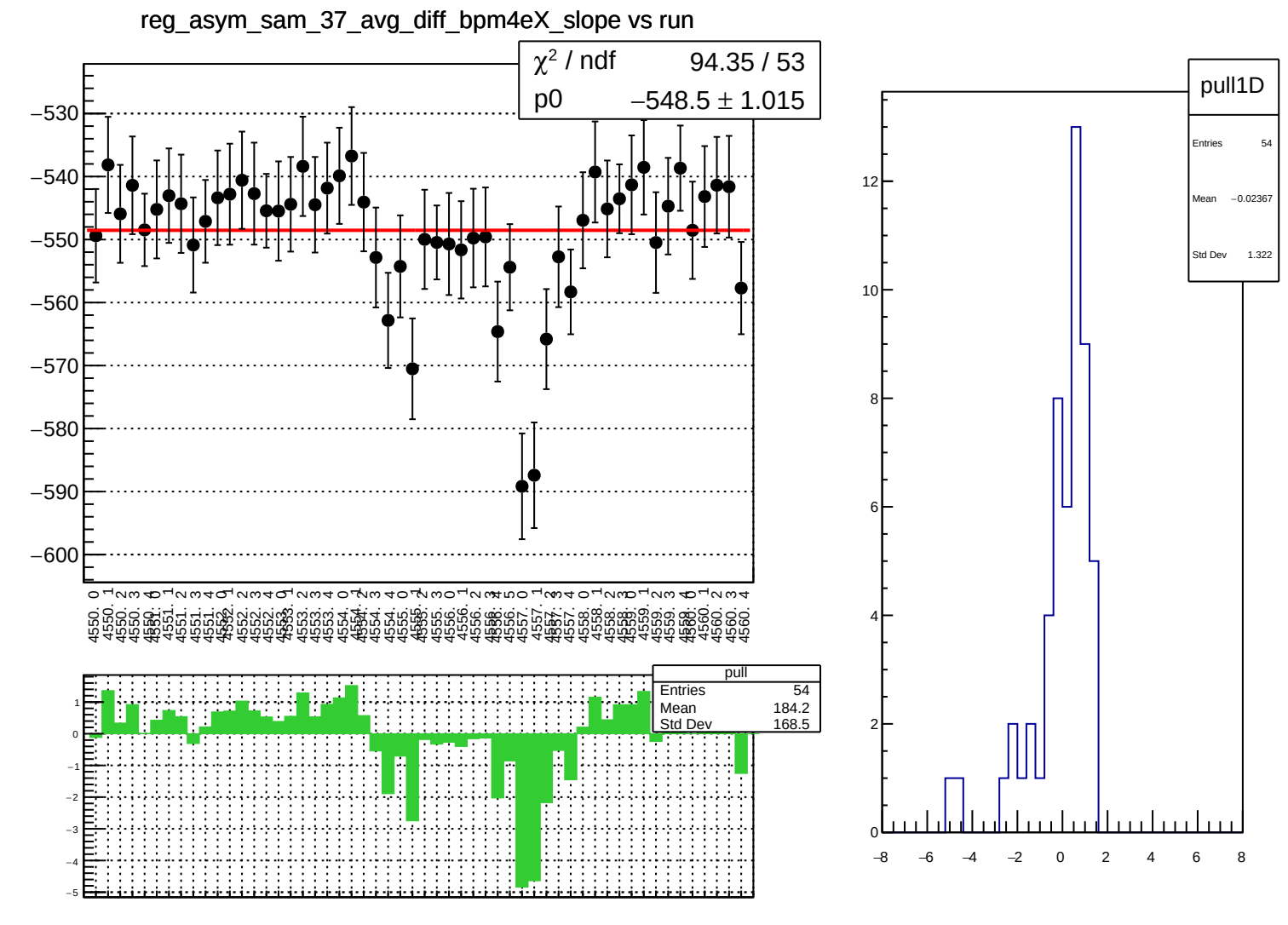

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.87 / 53
p0 −10.26 ± 0.2279
pull
Entries 54
Mean 523.1
Std Dev 495.2
pull1D
Entries 54
Mean −0.01035
Std Dev 0.5588

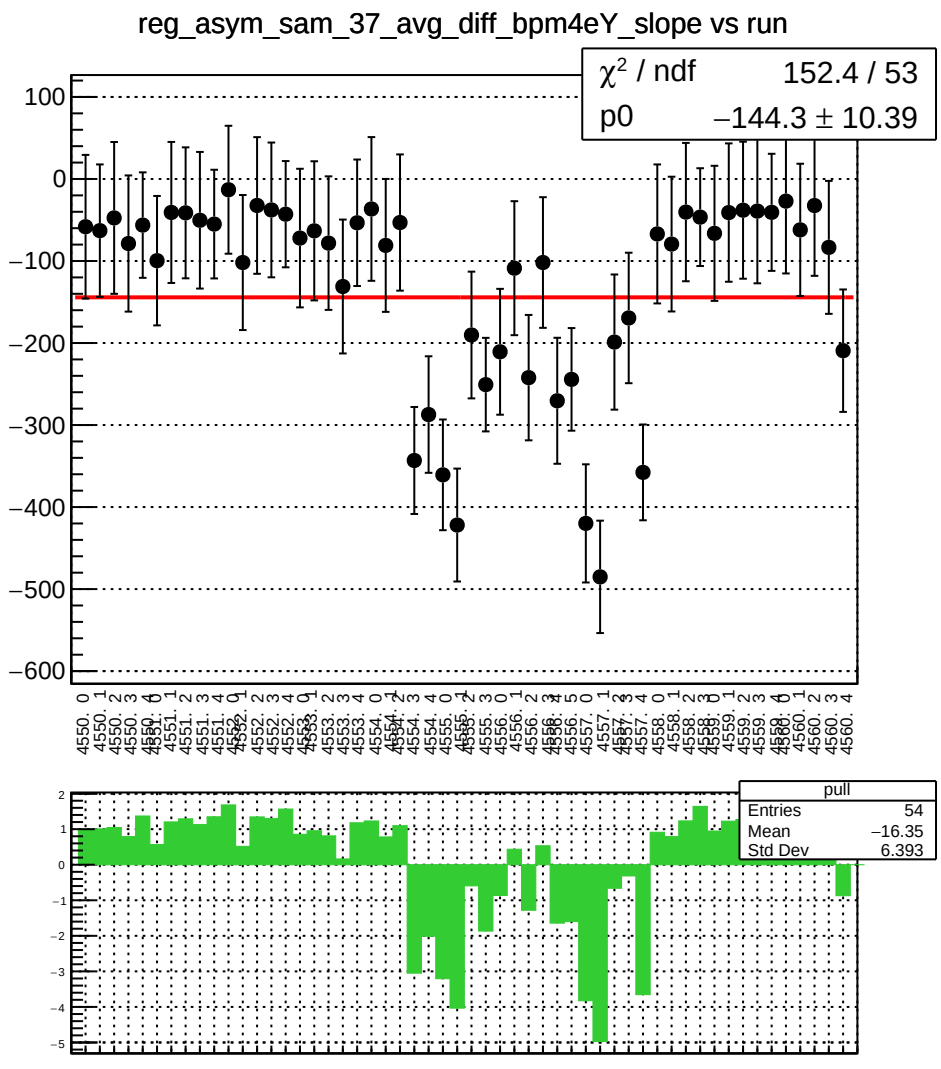

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.04 / 53
p0 −14.74 ± 2.324
pull
Entries 54
Mean 257
Std Dev 230.4
pull1D
Entries 54
Mean −0.01041
Std Dev 0.5617

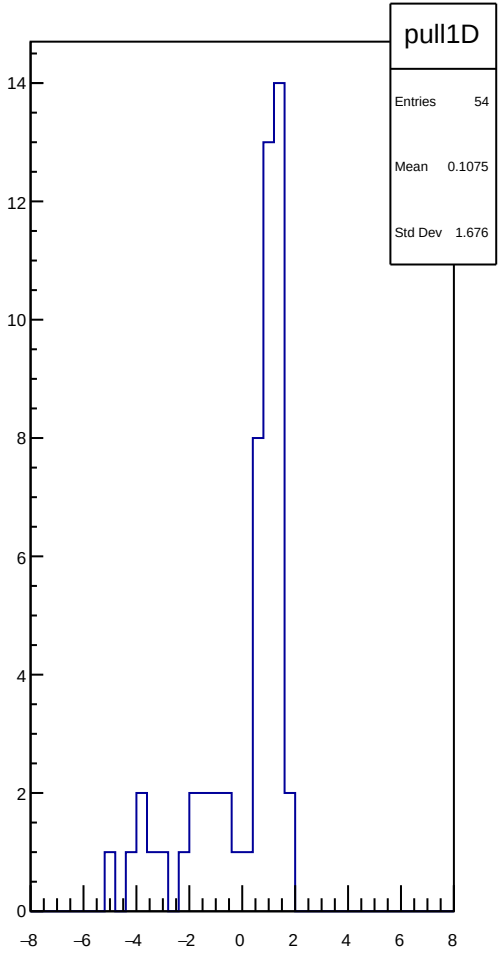

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 5.802 / 53
p0 0.6548 ± 0.4599
pull
Entries 54
Mean −31.85
Std Dev 30.74
pull1D
Entries 54
Mean −0.009478
Std Dev 0.3277

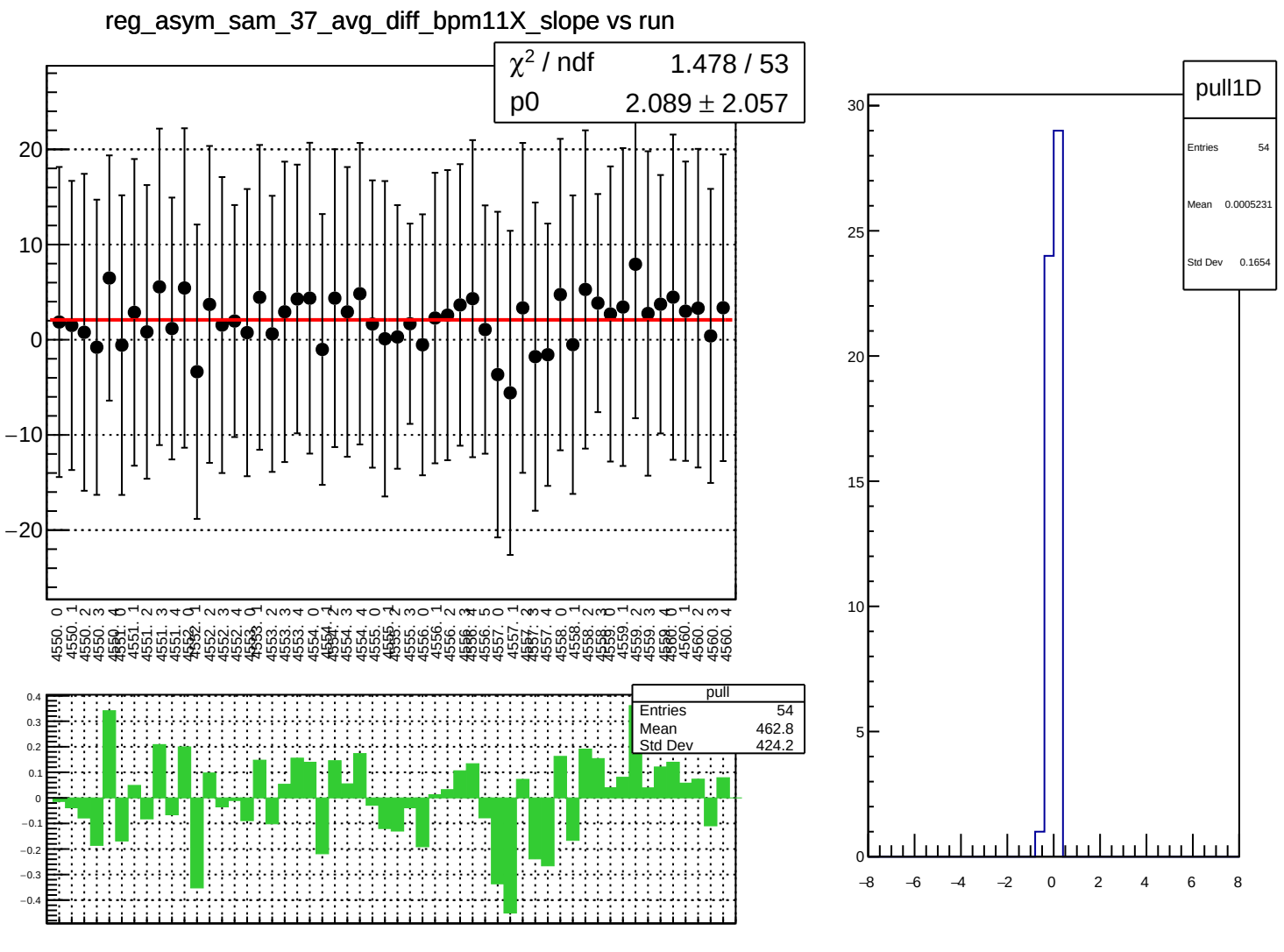

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.374 / 53
p0 121.5 ± 6.134
pull
Entries 54
Mean 239.5
Std Dev 215.8
pull1D
Entries 54
Mean −0.002777
Std Dev 0.2097

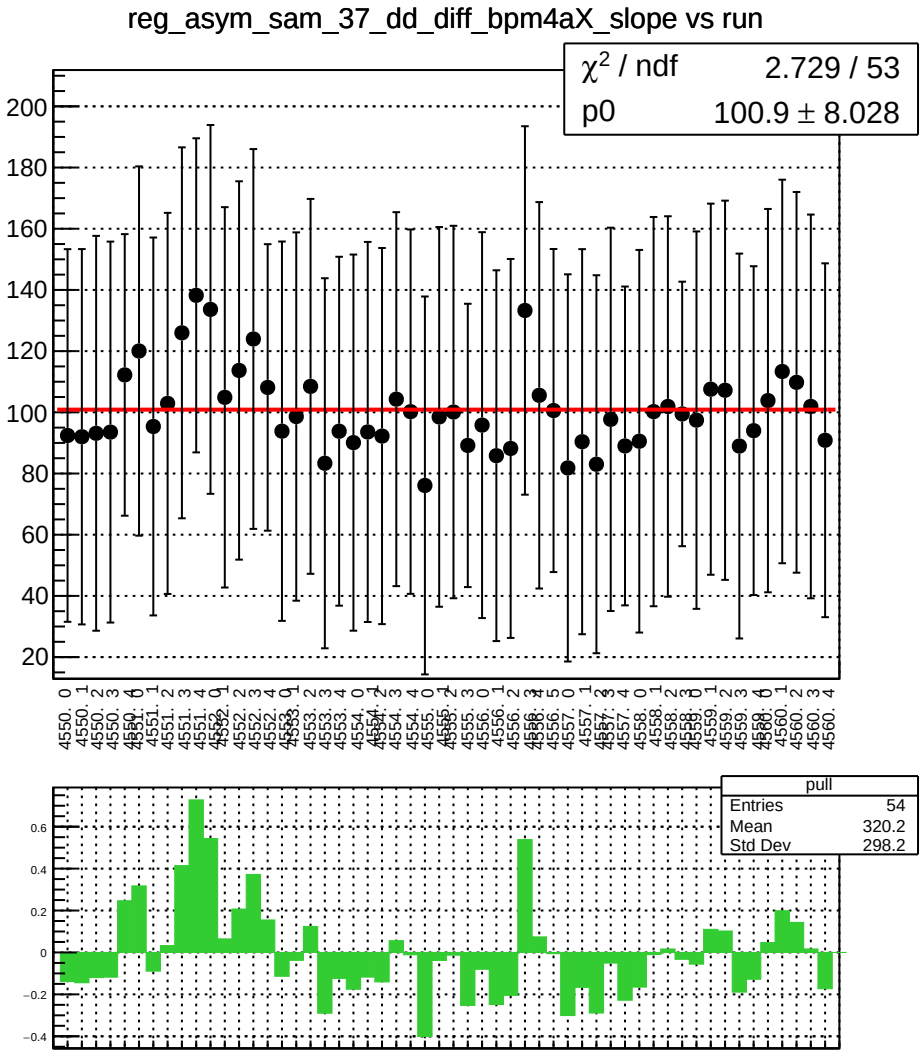

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 151.7 / 53
p0 113.3 ± 7.73
pull
Entries 54
Mean −18.73
Std Dev 13.93
pull1D
Entries 54
Mean −0.1034
Std Dev 1.673

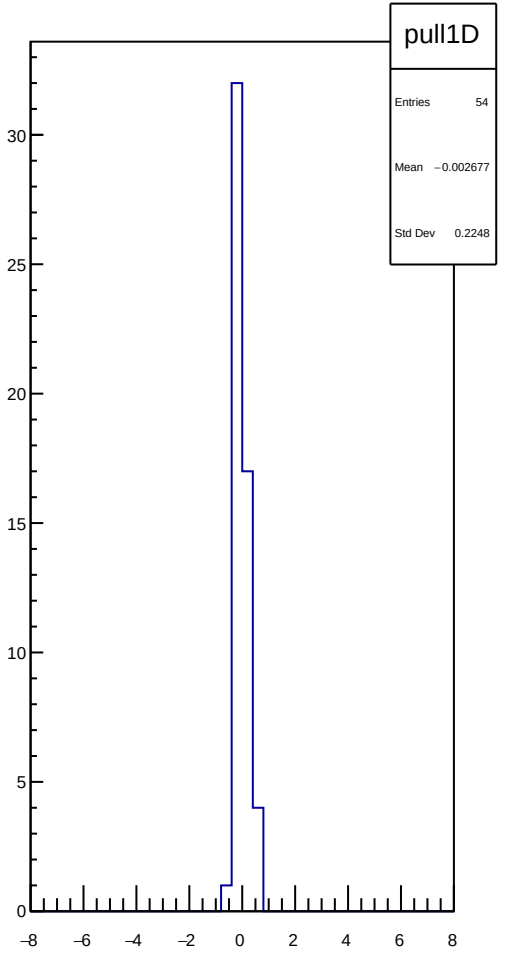

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.35 / 53
p0 −548.5 ± 1.015
pull
Entries 54
Mean 184.2
Std Dev 168.5
pull1D
Entries 54
Mean −0.02367
Std Dev 1.322

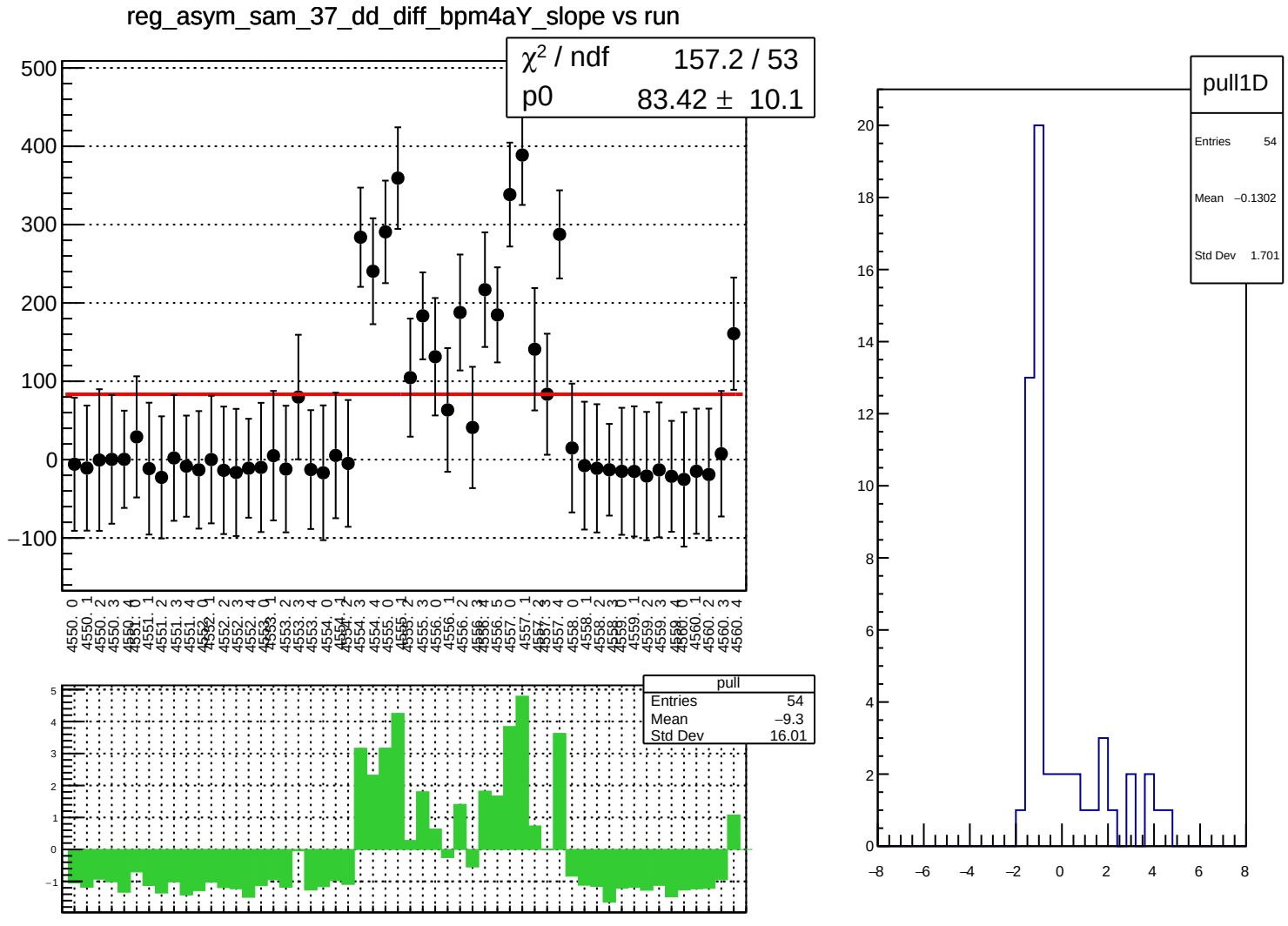

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 152.4 / 53
p0 −144.3 ± 10.39
pull
Entries 54
Mean −16.35
Std Dev 6.393

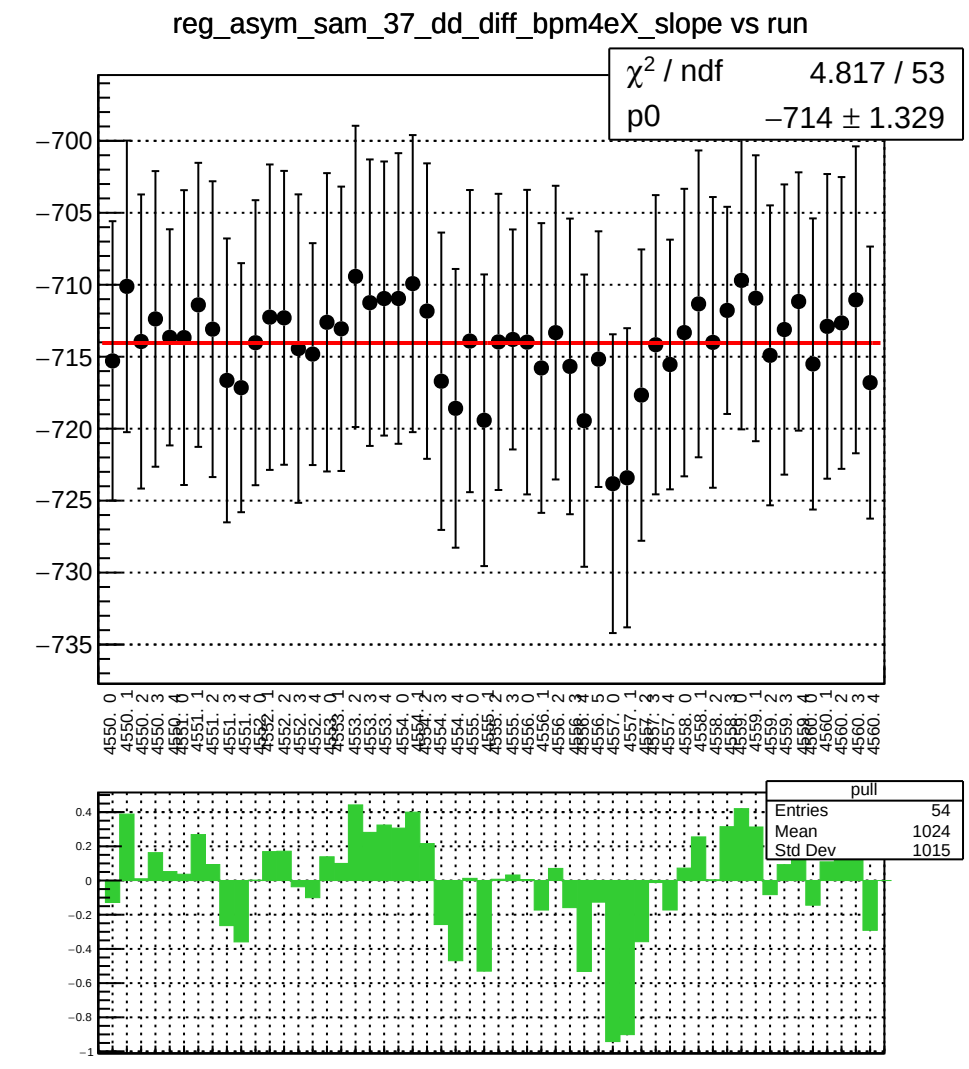

pull1D
Entries 54
Mean 0.1075
Std Dev 1.676

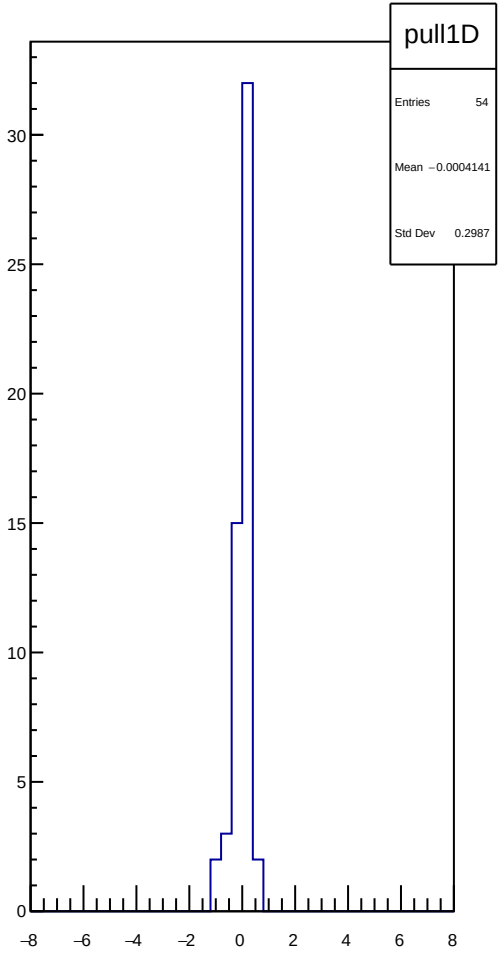

reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 1.478 / 53
p0 2.089 ± 2.057
pull
Entries 54
Mean 462.8
Std Dev 424.2
pull1D
Entries 54
Mean 0.0005231
Std Dev 0.1654

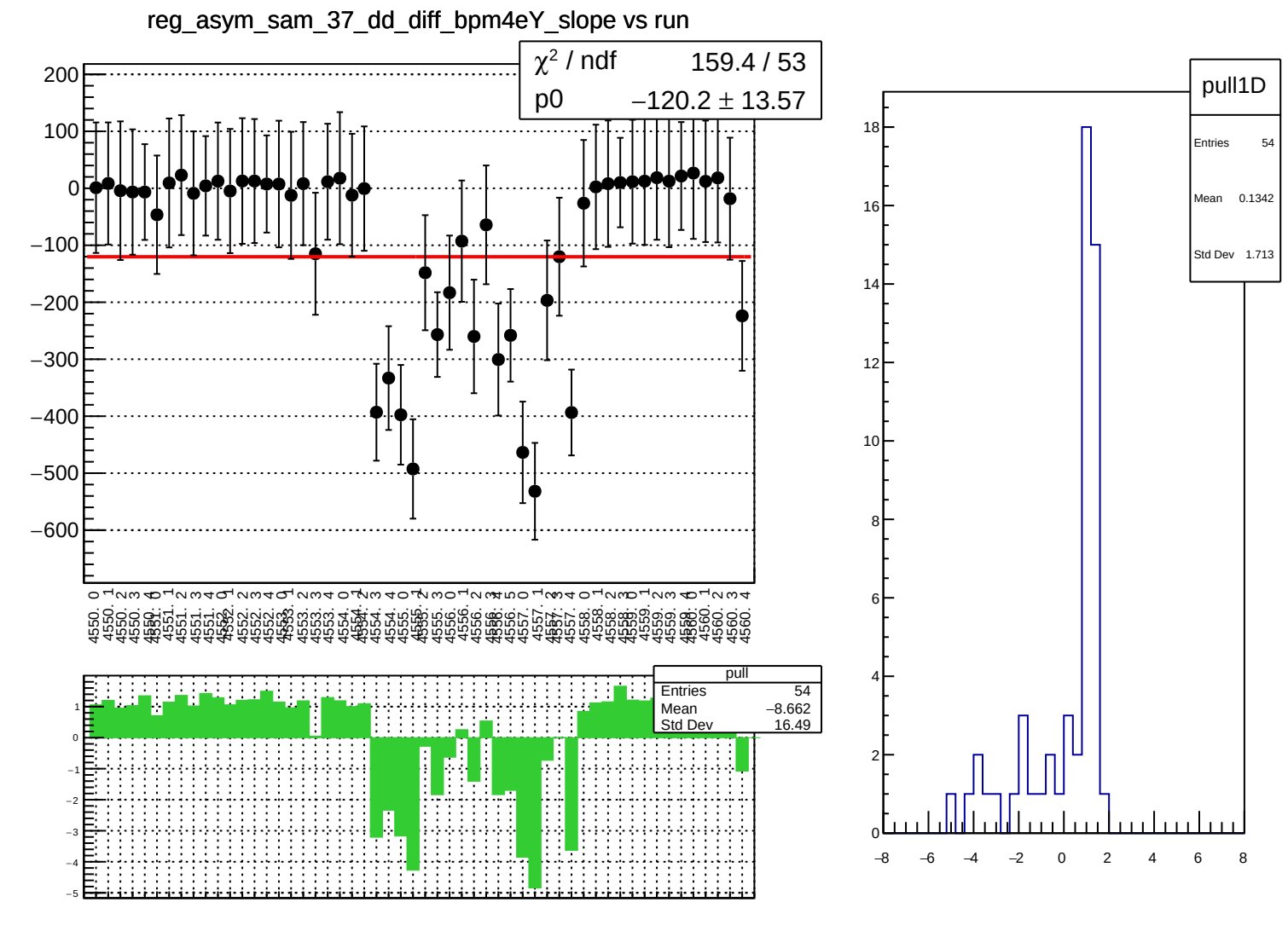

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.729 / 53
p0 100.9 ± 8.028
pull
Entries 54
Mean 320.2
Std Dev 298.2

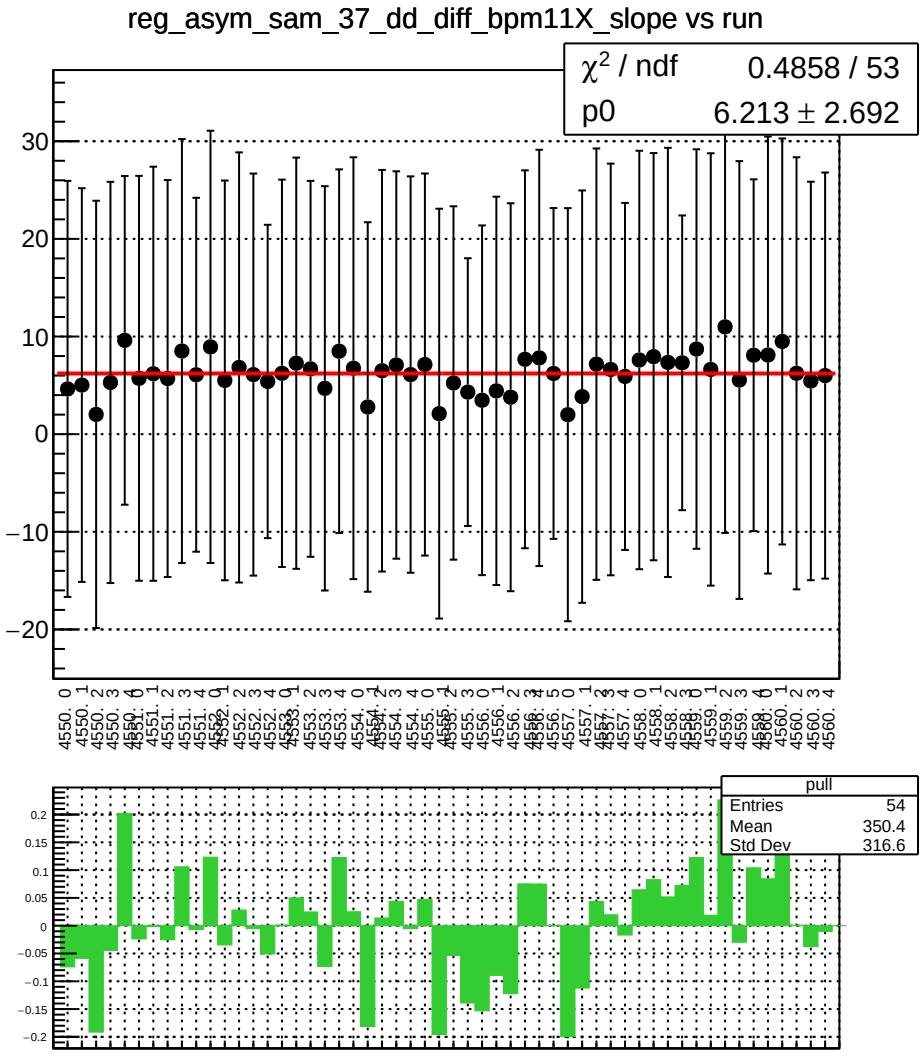

pull1D
Entries 54
Mean −0.002677
Std Dev 0.2248

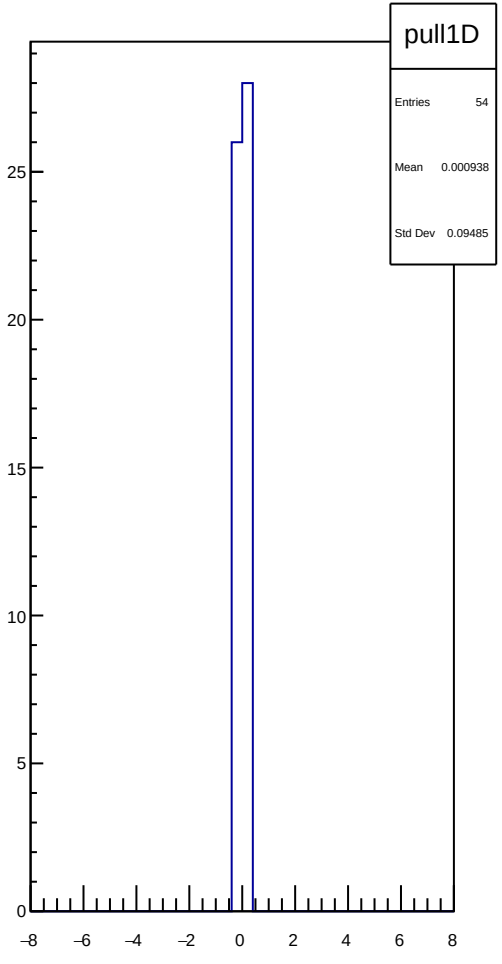

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 157.2 / 53
p0 83.42 ± 10.1
pull
Entries 54
Mean −9.3
Std Dev 16.01
pull1D
Entries 54
Mean −0.1302
Std Dev 1.701

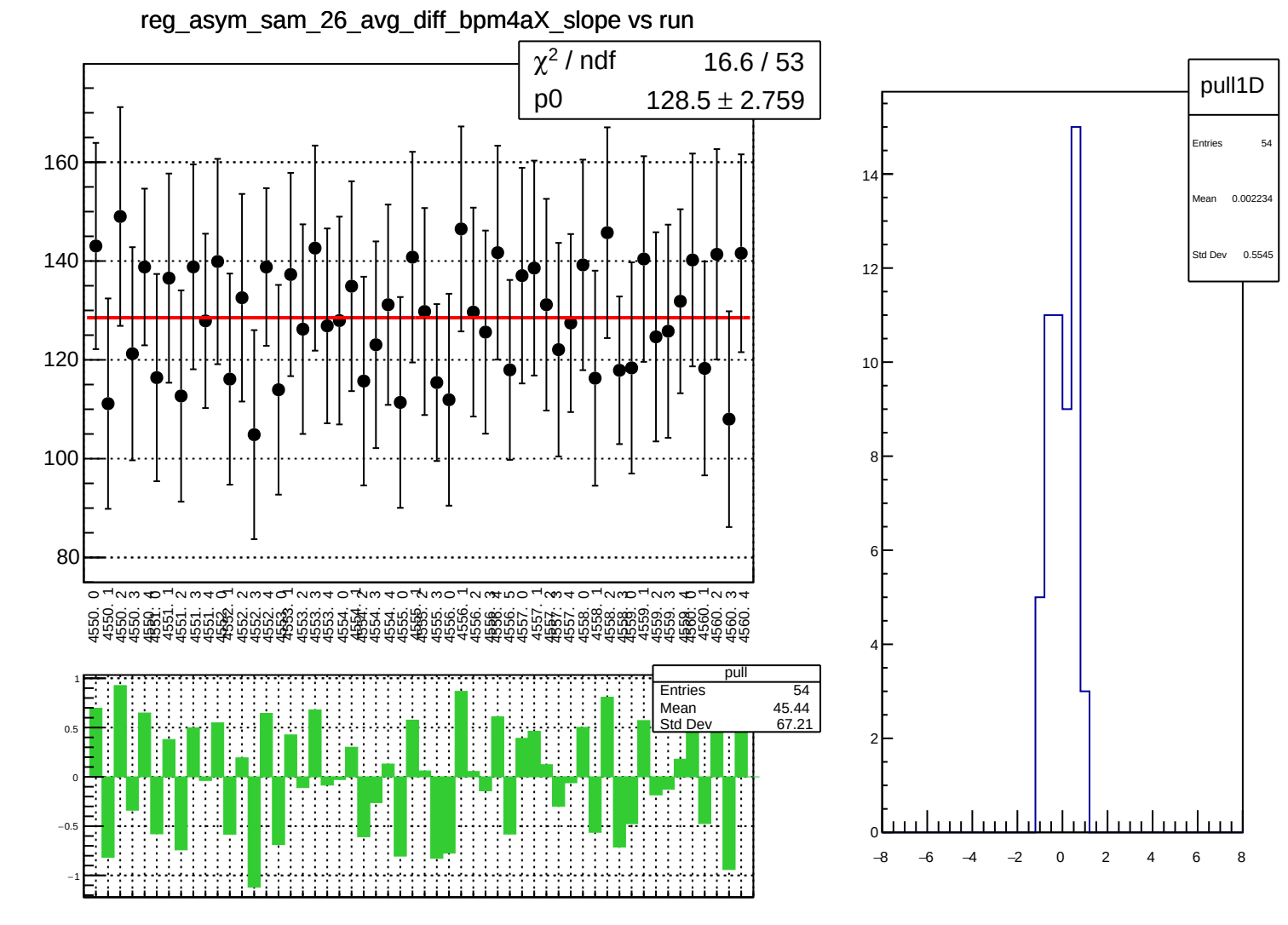

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.817 / 53
p0 −714 ± 1.329
pull
Entries 54
Mean 1024
Std Dev 1015

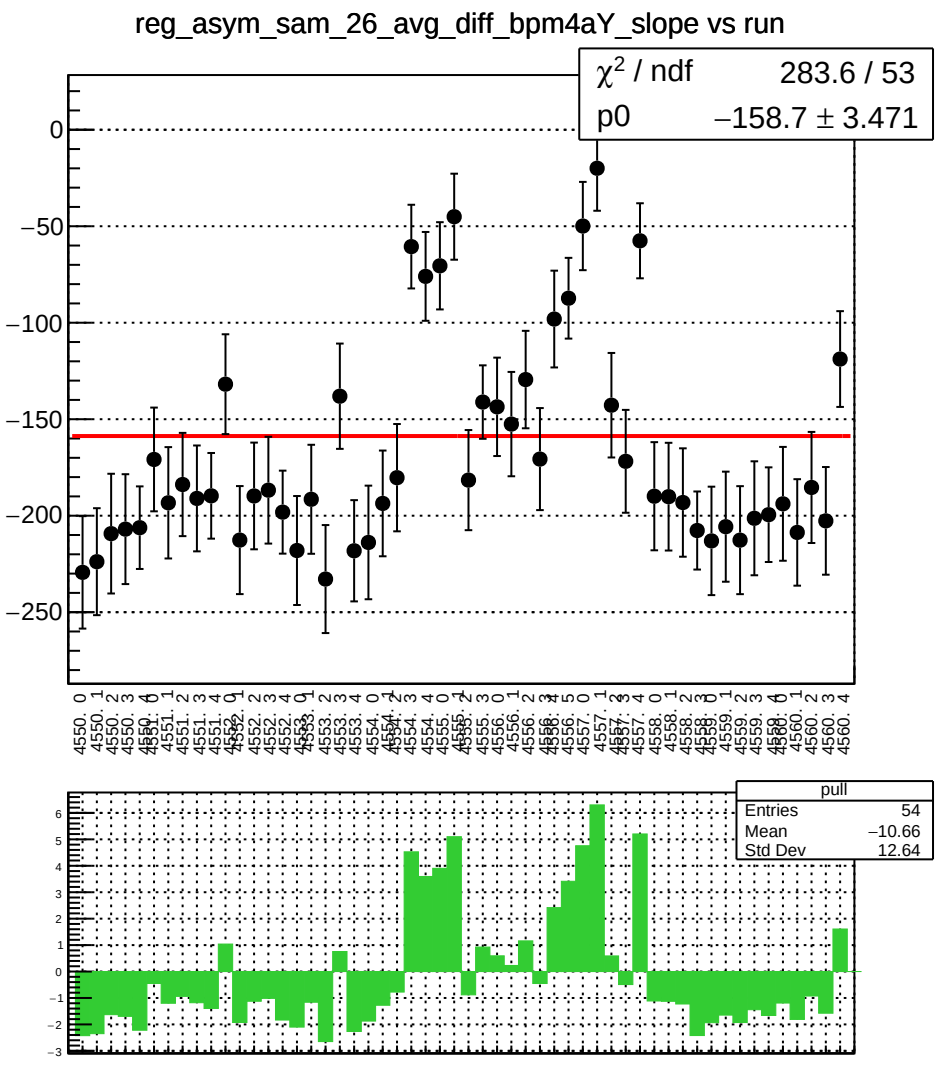

pull1D
Entries 54
Mean −0.0004141
Std Dev 0.2987

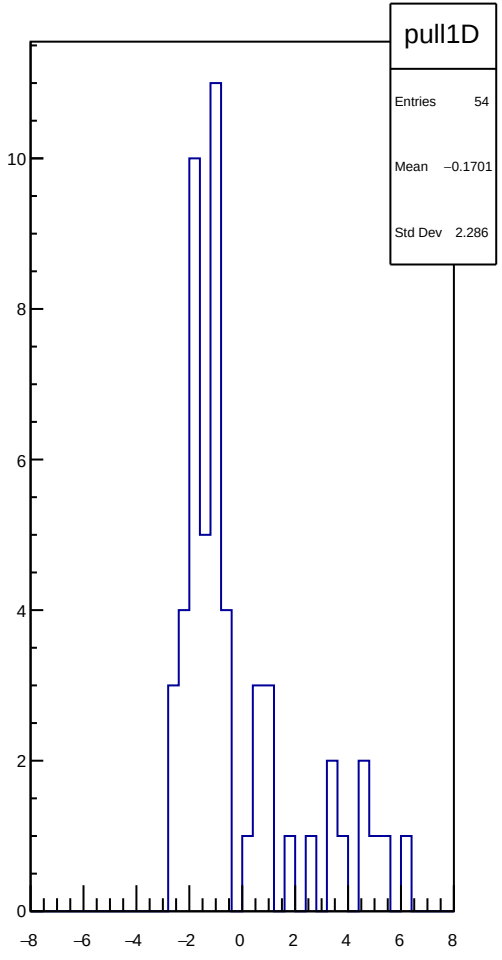

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 159.4 / 53
p0 −120.2 ± 13.57
pull
Entries 54
Mean −8.662
Std Dev 16.49
pull1D
Entries 54
Mean 0.1342
Std Dev 1.713

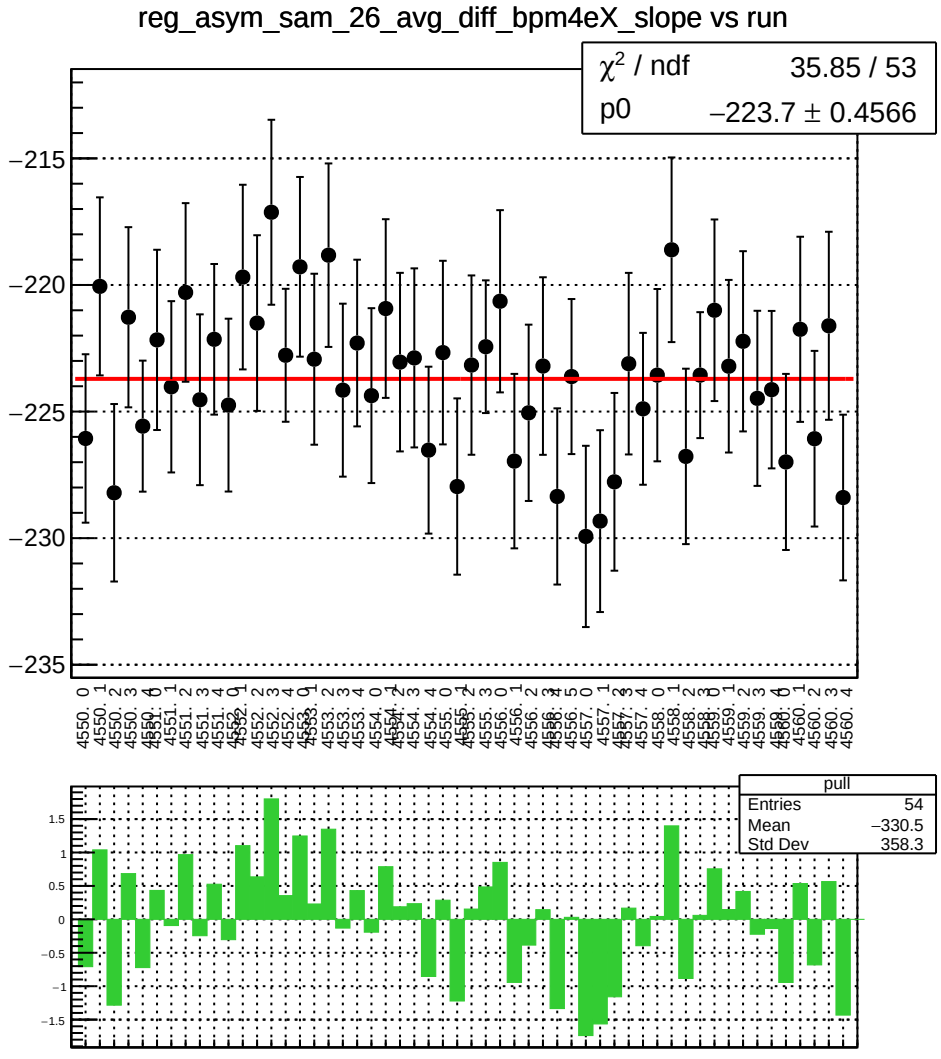

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 0.4858 / 53
p0 6.213 ± 2.692
pull
Entries 54
Mean 350.4
Std Dev 316.6

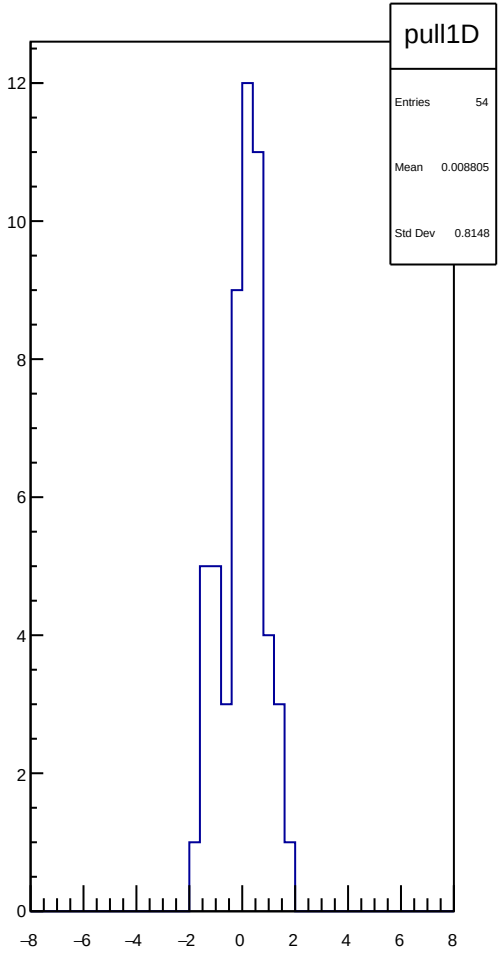

pull1D
Entries 54
Mean 0.000938
Std Dev 0.09485

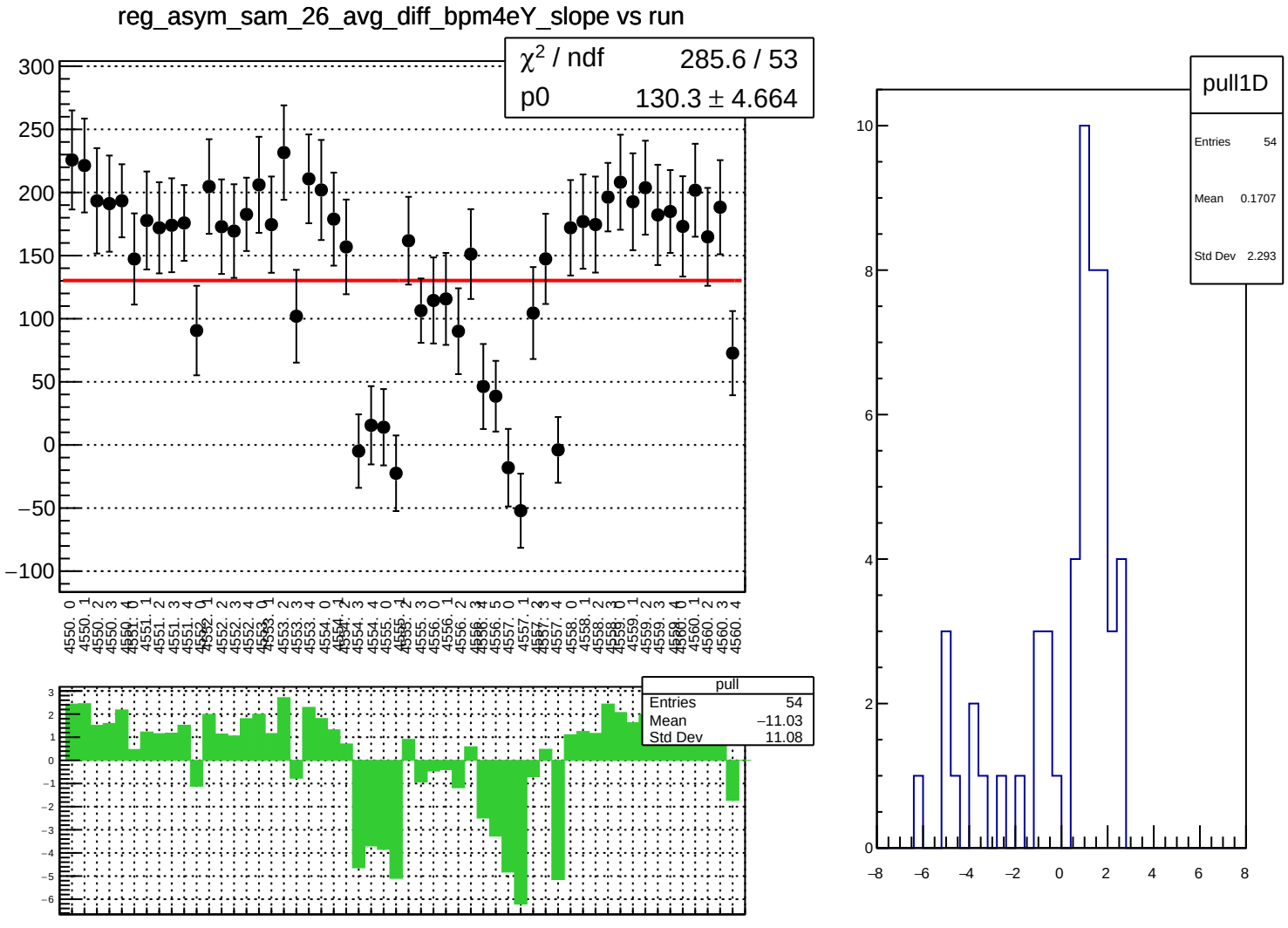

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 16.6 / 53
p0 128.5 ± 2.759
160
140
120
100
80
pull
Entries 54
Mean 45.44
Std Dev 67.21
1
0.5
0
−0.5
−1
pull1D
Entries 54
Mean 0.002234
Std Dev 0.5545
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

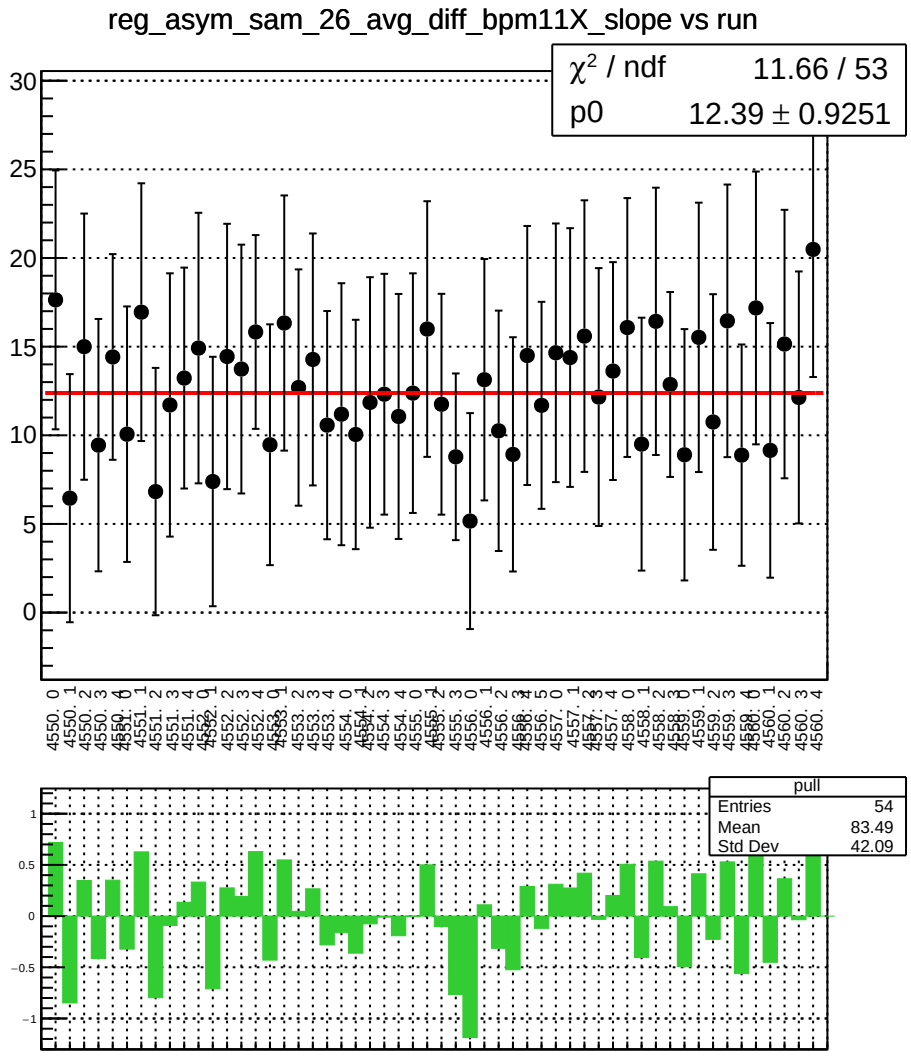

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 283.6 / 53
p0 −158.7 ± 3.471
pull
Entries 54
Mean −10.66
Std Dev 12.64

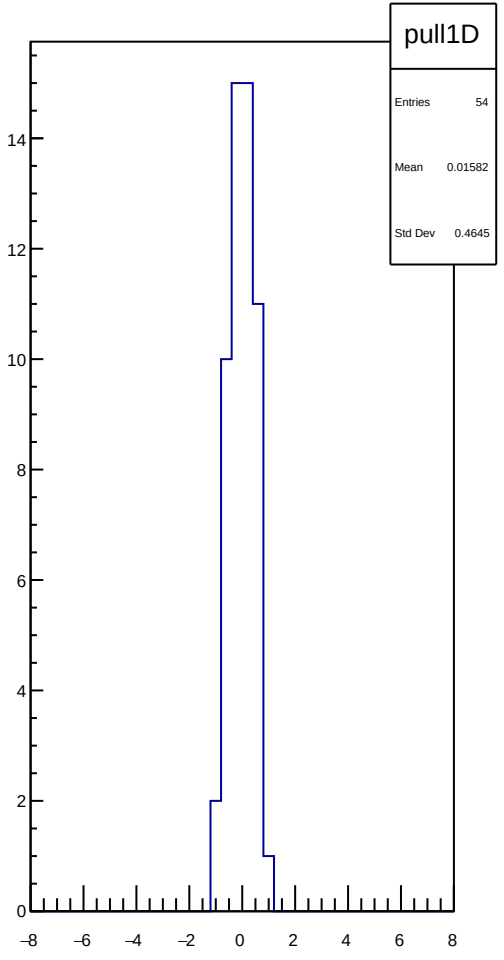

pull1D
Entries 54
Mean −0.1701
Std Dev 2.286

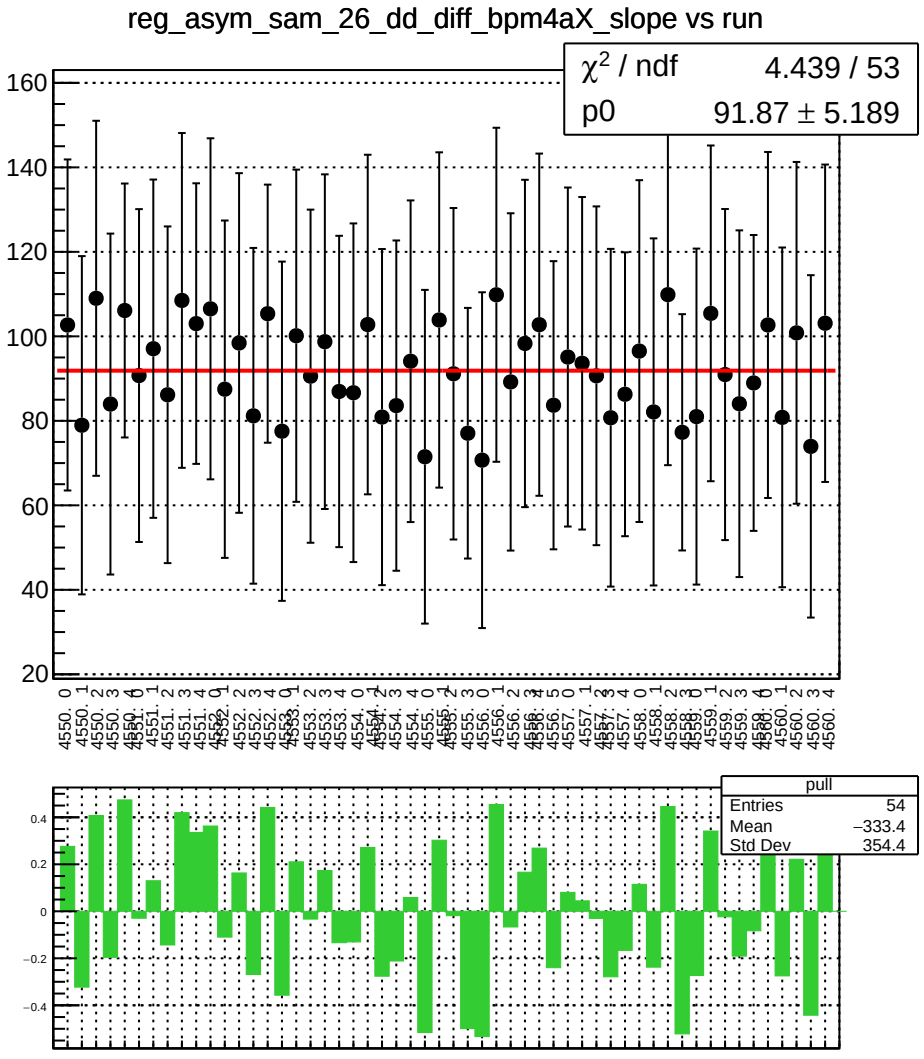

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 35.85 / 53
p0 −223.7 ± 0.4566
pull
Entries 54
Mean −330.5
Std Dev 358.3

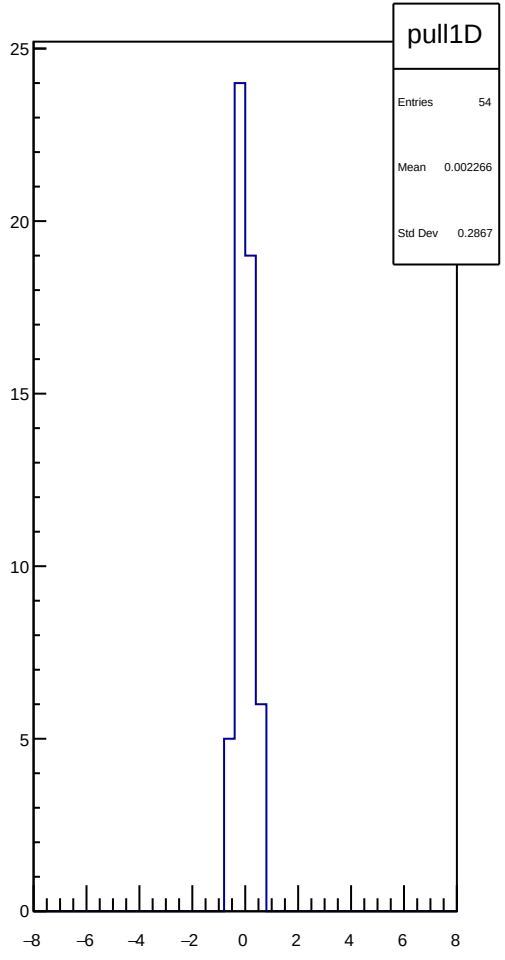

pull1D
Entries 54
Mean 0.008805
Std Dev 0.8148

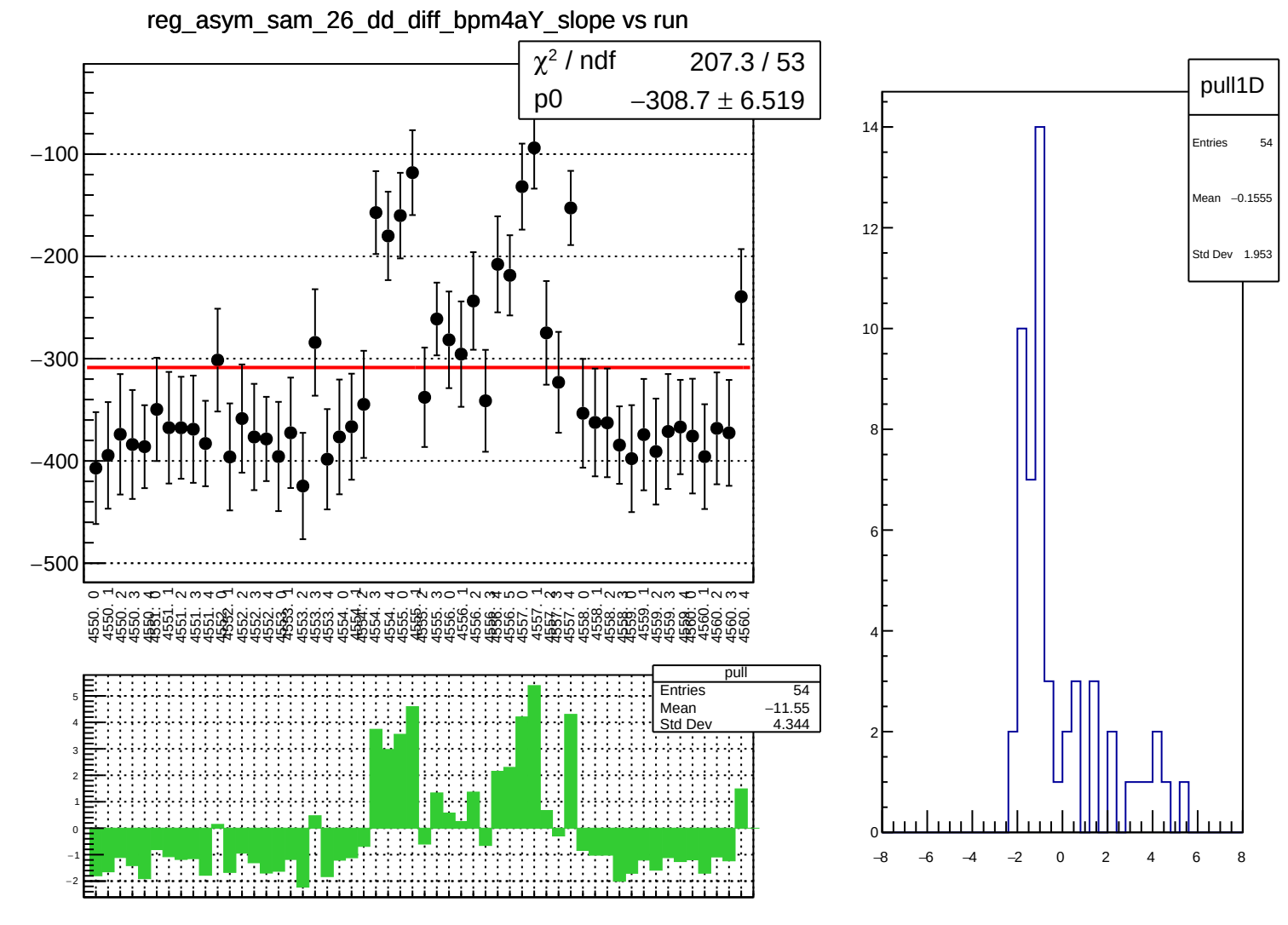

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 285.6 / 53
p0 130.3 ± 4.664
pull
Entries 54
Mean −11.03
Std Dev 11.08
pull1D
Entries 54
Mean 0.1707
Std Dev 2.293

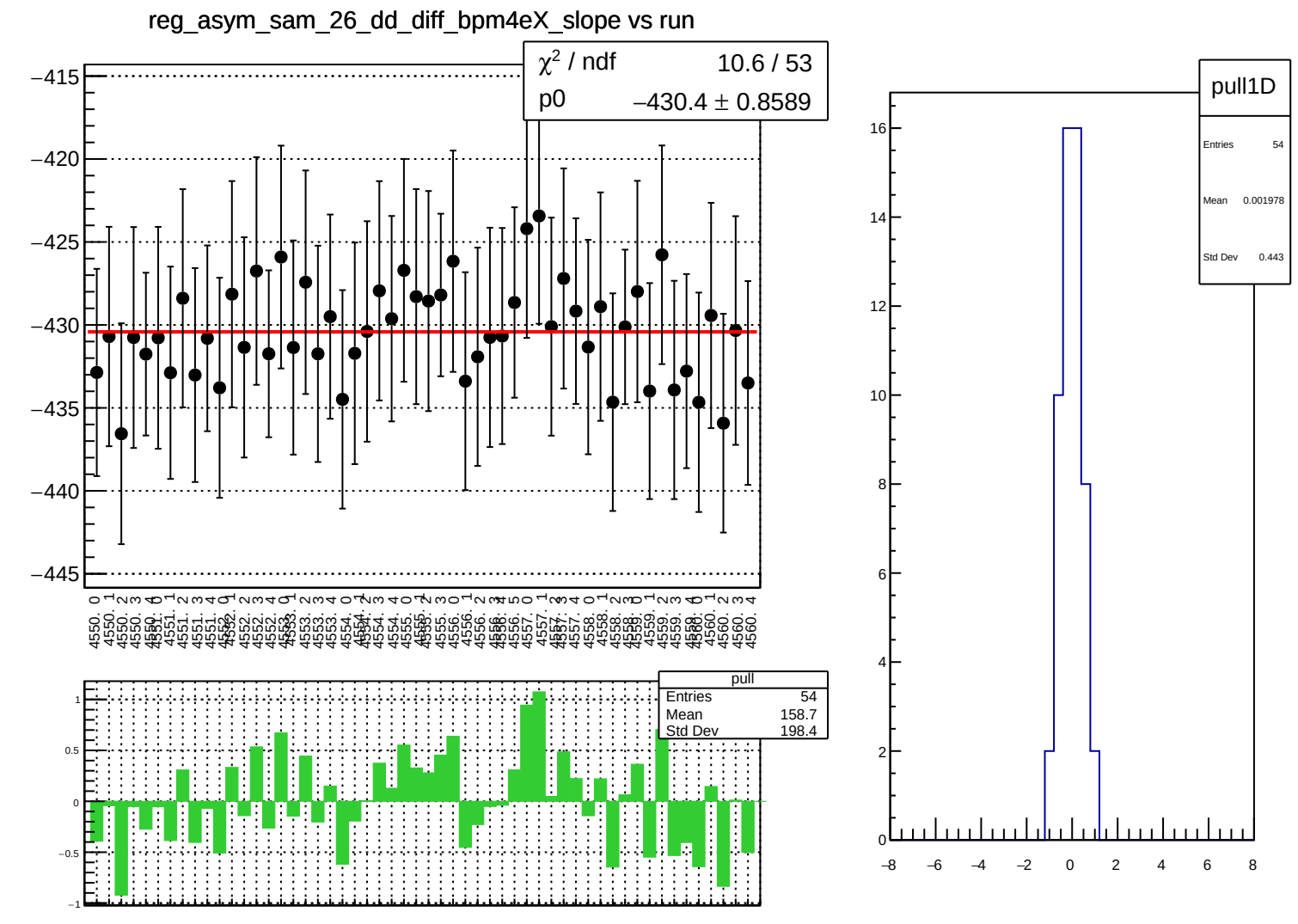

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 11.66 / 53
p0 12.39 ± 0.9251
pull
Entries 54
Mean 83.49
Std Dev 42.09

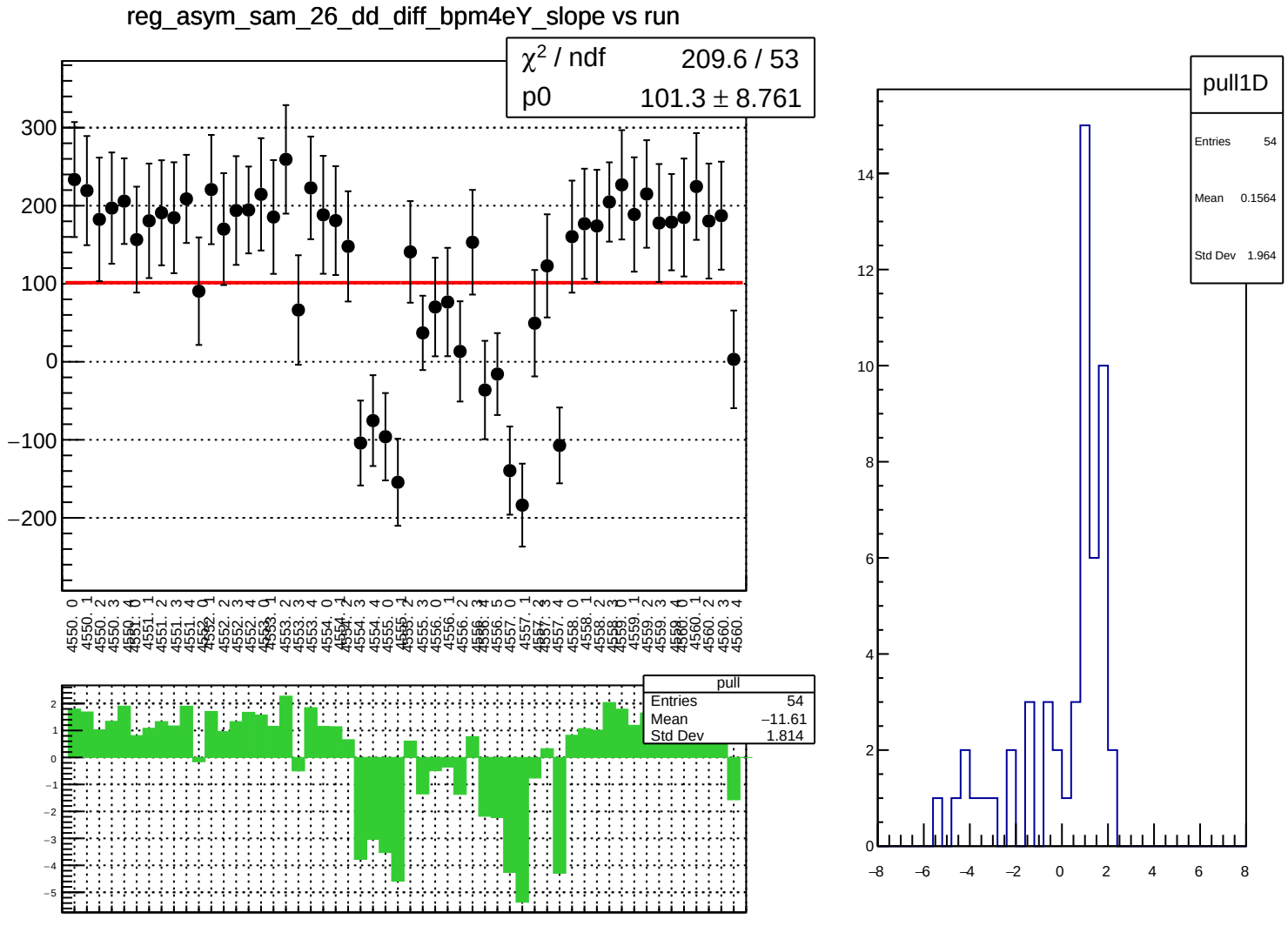

pull1D
Entries 54
Mean 0.01582
Std Dev 0.4645

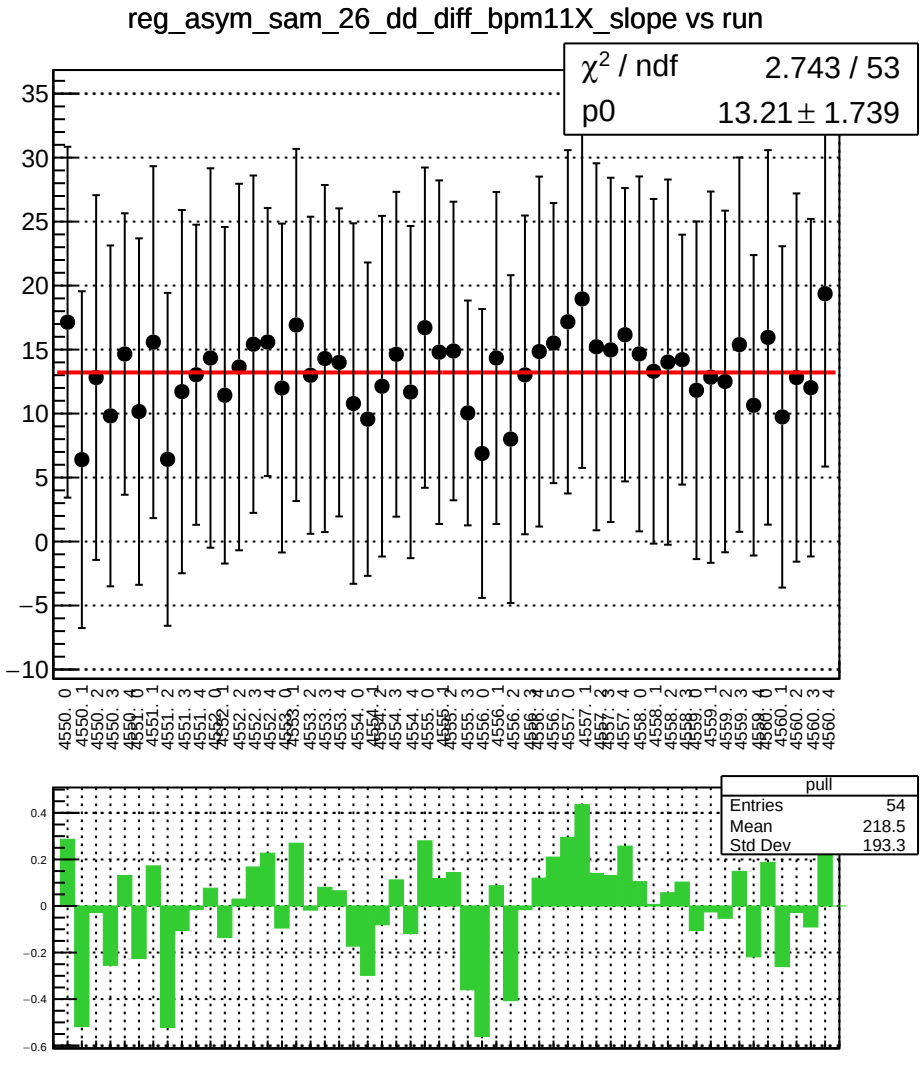

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.439 / 53
p0 91.87 ± 5.189
pull
Entries 54
Mean −333.4
Std Dev 354.4

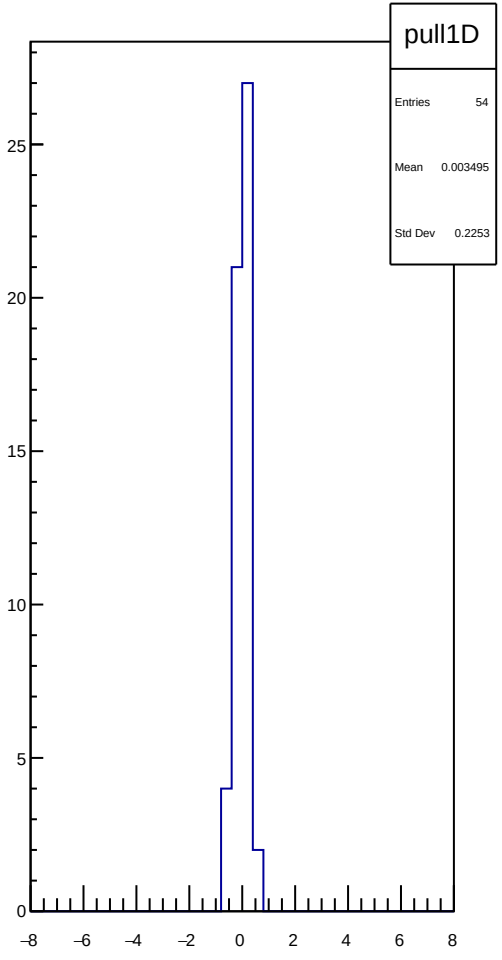

pull1D
Entries 54
Mean 0.002266
Std Dev 0.2867

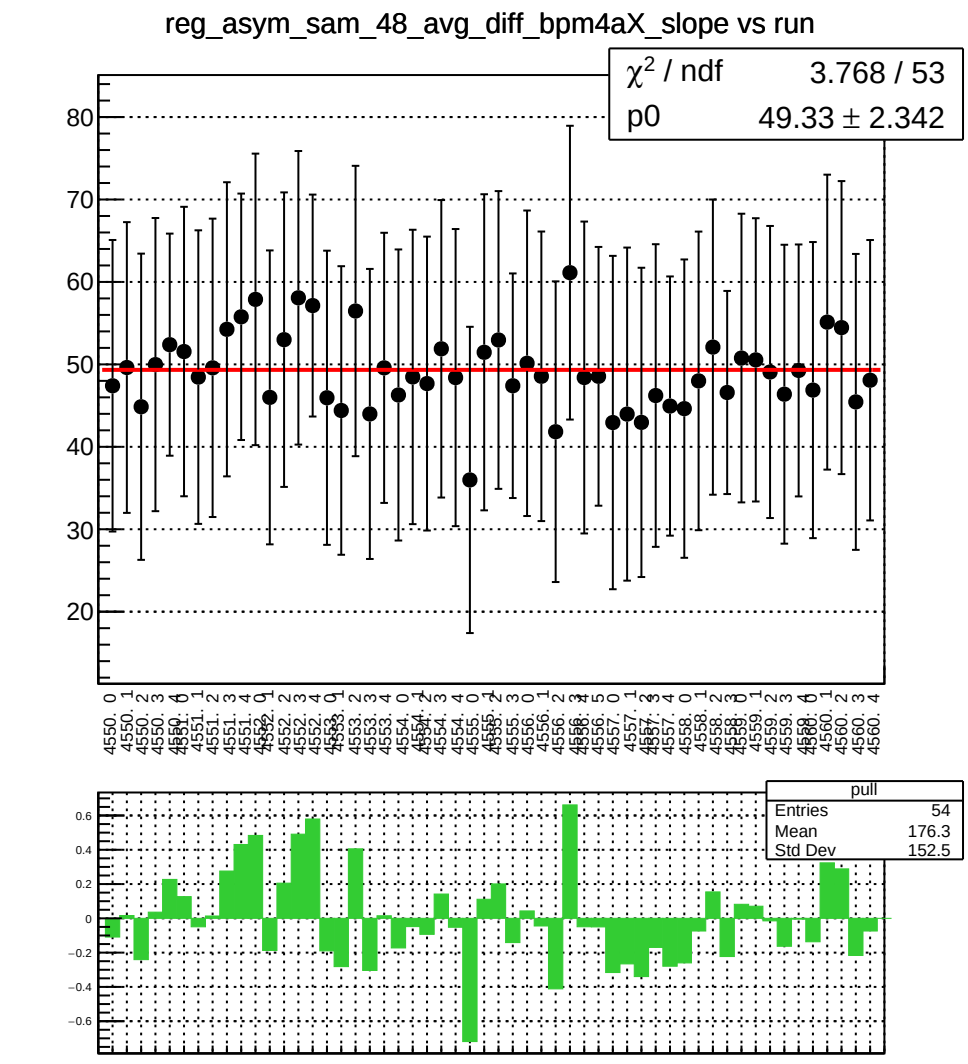

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 207.3 / 53
p0 −308.7 ± 6.519
pull
Entries 54
Mean −11.55
Std Dev 4.344
pull1D
Entries 54
Mean −0.1555
Std Dev 1.953

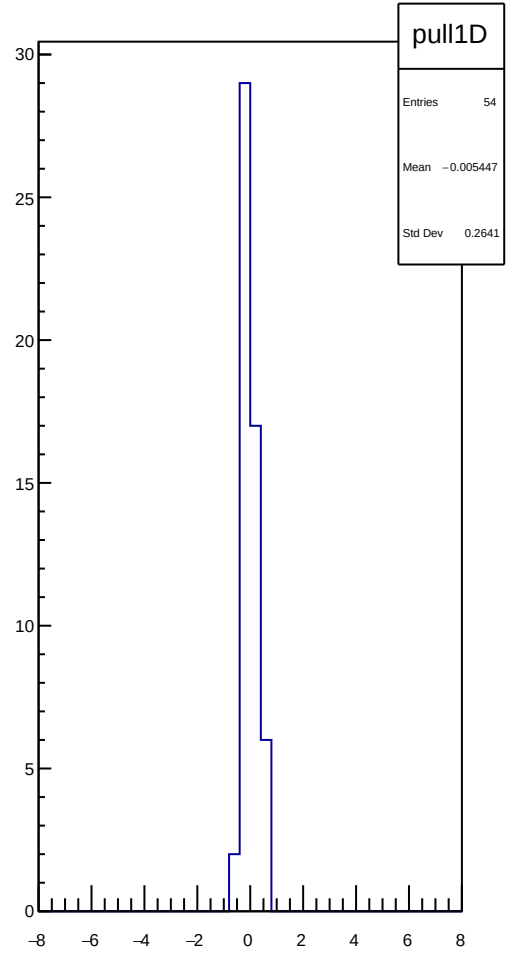

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.6 / 53
p0 −430.4 ± 0.8589
pull
Entries 54
Mean 158.7
Std Dev 198.4
pull1D
Entries 54
Mean 0.001978
Std Dev 0.443

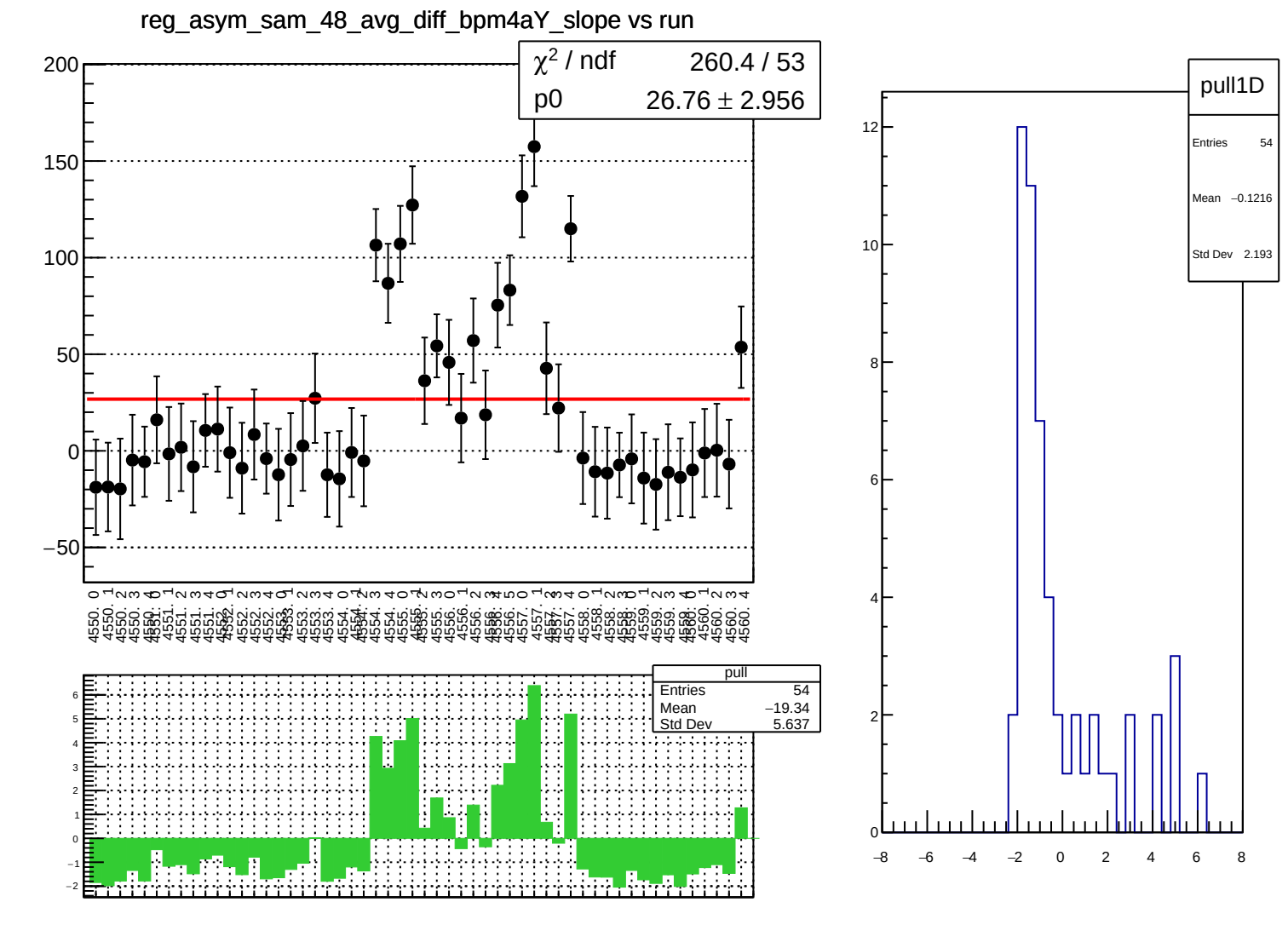

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 209.6 / 53
p0 101.3 ± 8.761
pull
Entries 54
Mean −11.61
Std Dev 1.814
pull1D
Entries 54
Mean 0.1564
Std Dev 1.964

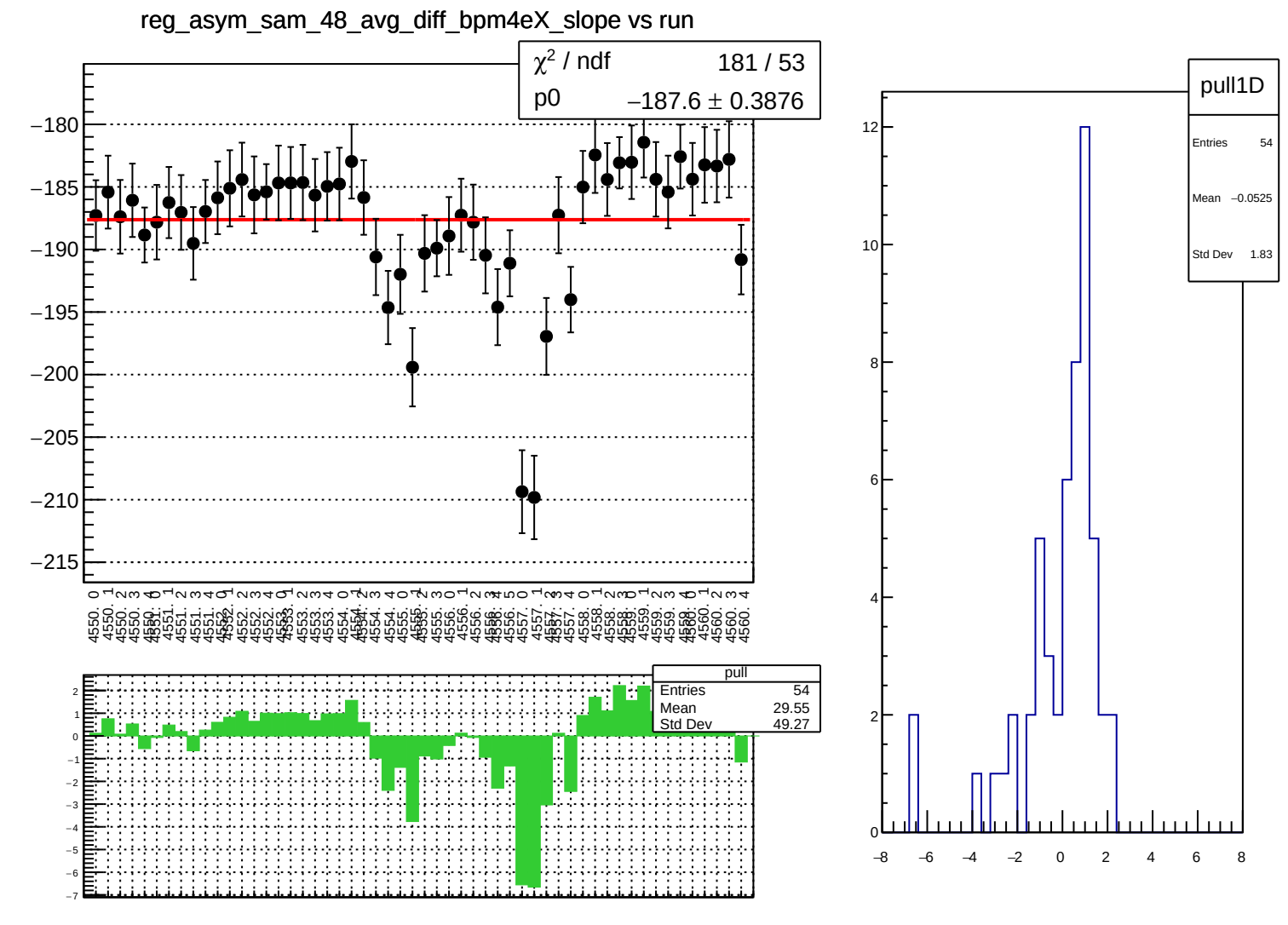

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 2.743 / 53
p0 13.21 ± 1.739
pull
Entries 54
Mean 218.5
Std Dev 193.3

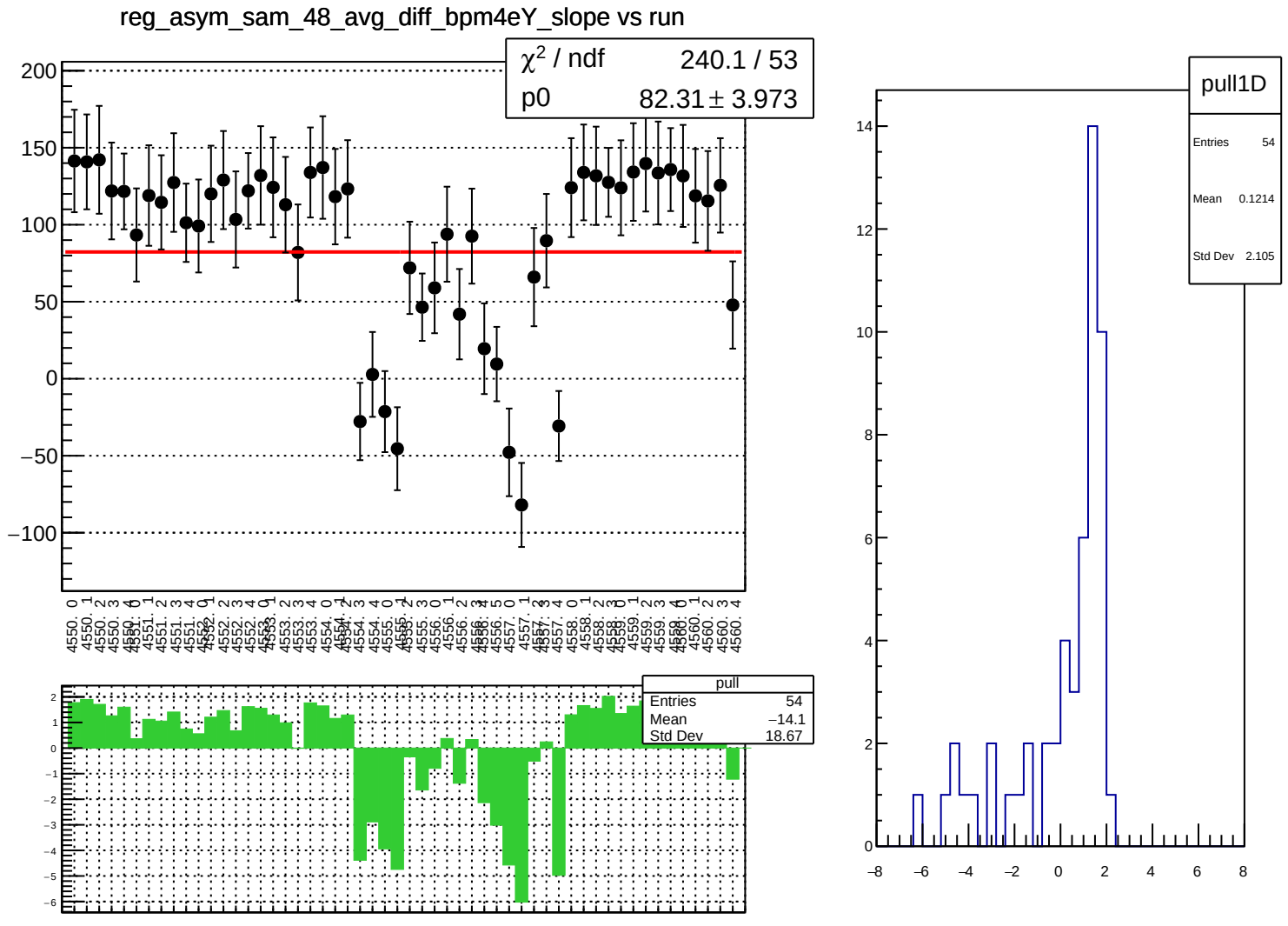

pull1D
Entries 54
Mean 0.003495
Std Dev 0.2253

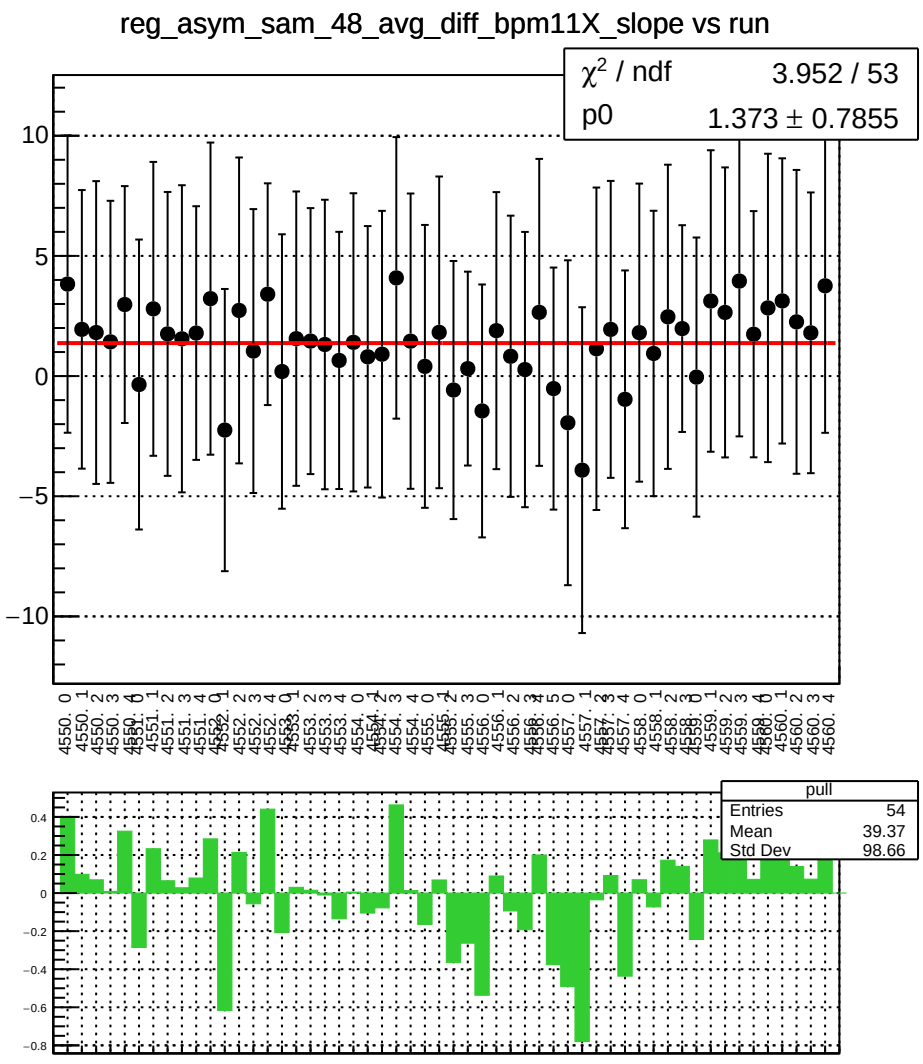

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.768 / 53
p0 49.33 ± 2.342
pull
Entries 54
Mean 176.3
Std Dev 152.5

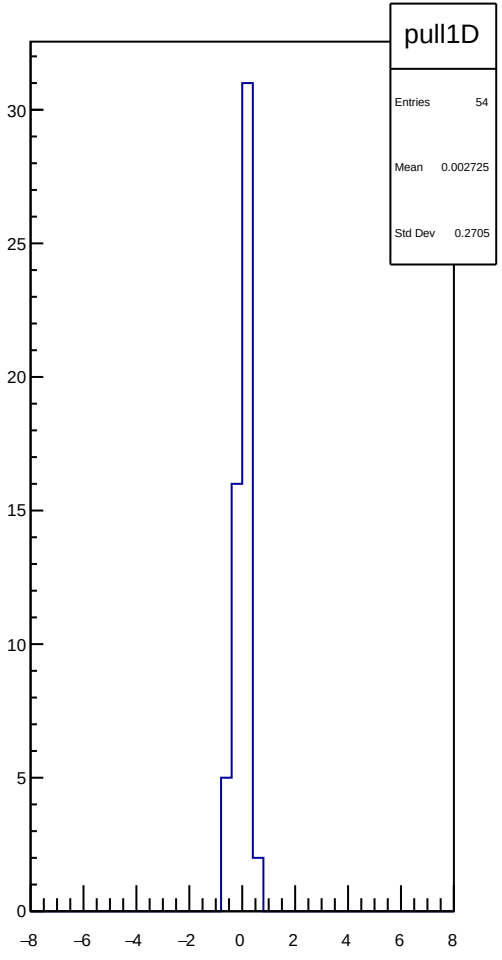

pull1D
Entries 54
Mean −0.005447
Std Dev 0.2641

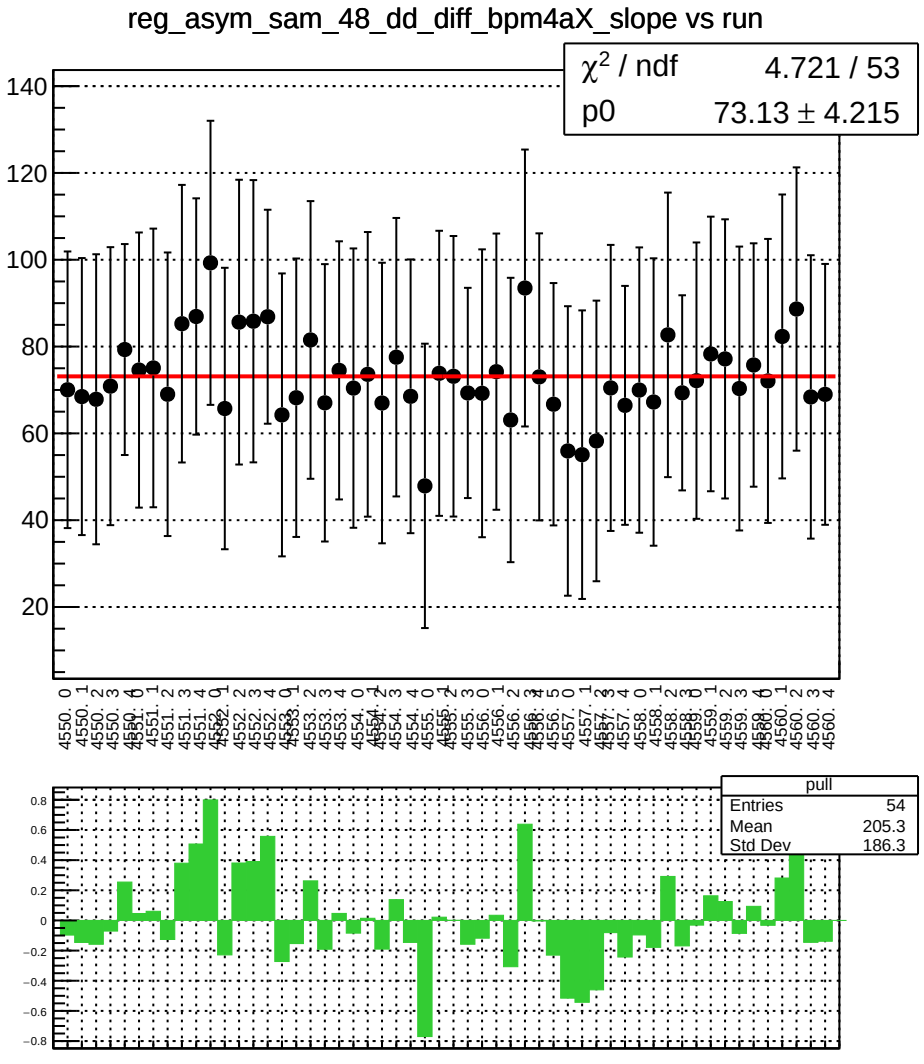

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 260.4 / 53
p0 26.76 ± 2.956
pull
Entries 54
Mean −19.34
Std Dev 5.637
pull1D
Entries 54
Mean −0.1216
Std Dev 2.193

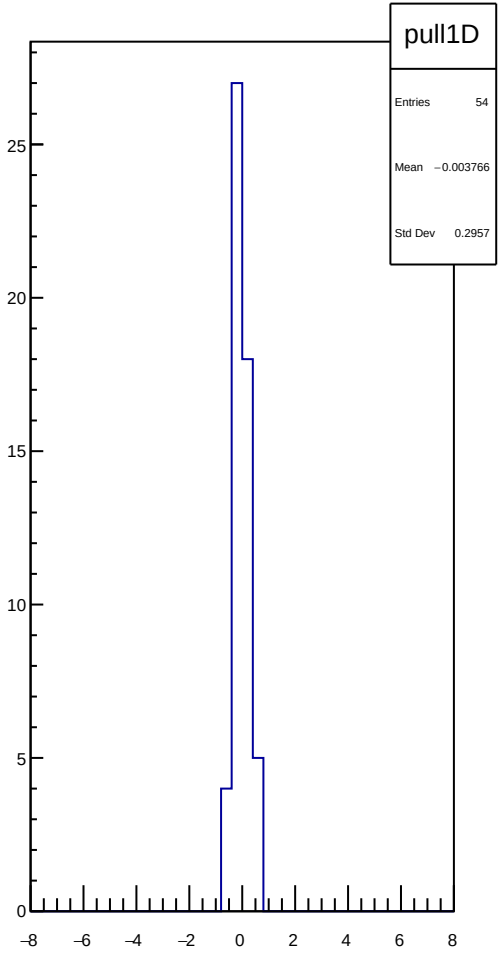

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 181 / 53
p0 −187.6 ± 0.3876
pull
Entries 54
Mean 29.55
Std Dev 49.27
pull1D
Entries 54
Mean −0.0525
Std Dev 1.83

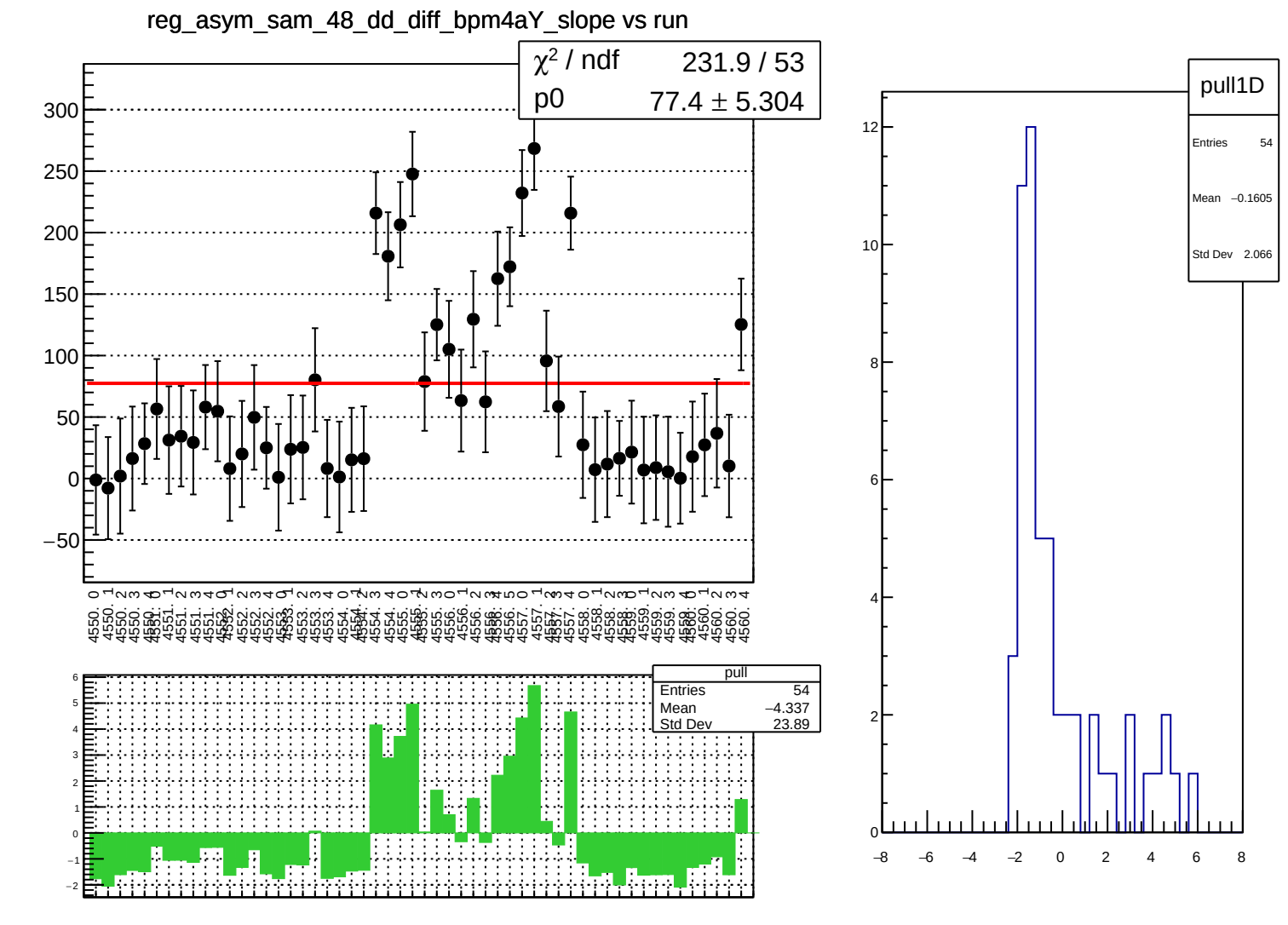

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 240.1 / 53
p0 82.31 ± 3.973
pull
Entries 54
Mean −14.1
Std Dev 18.67
pull1D
Entries 54
Mean 0.1214
Std Dev 2.105

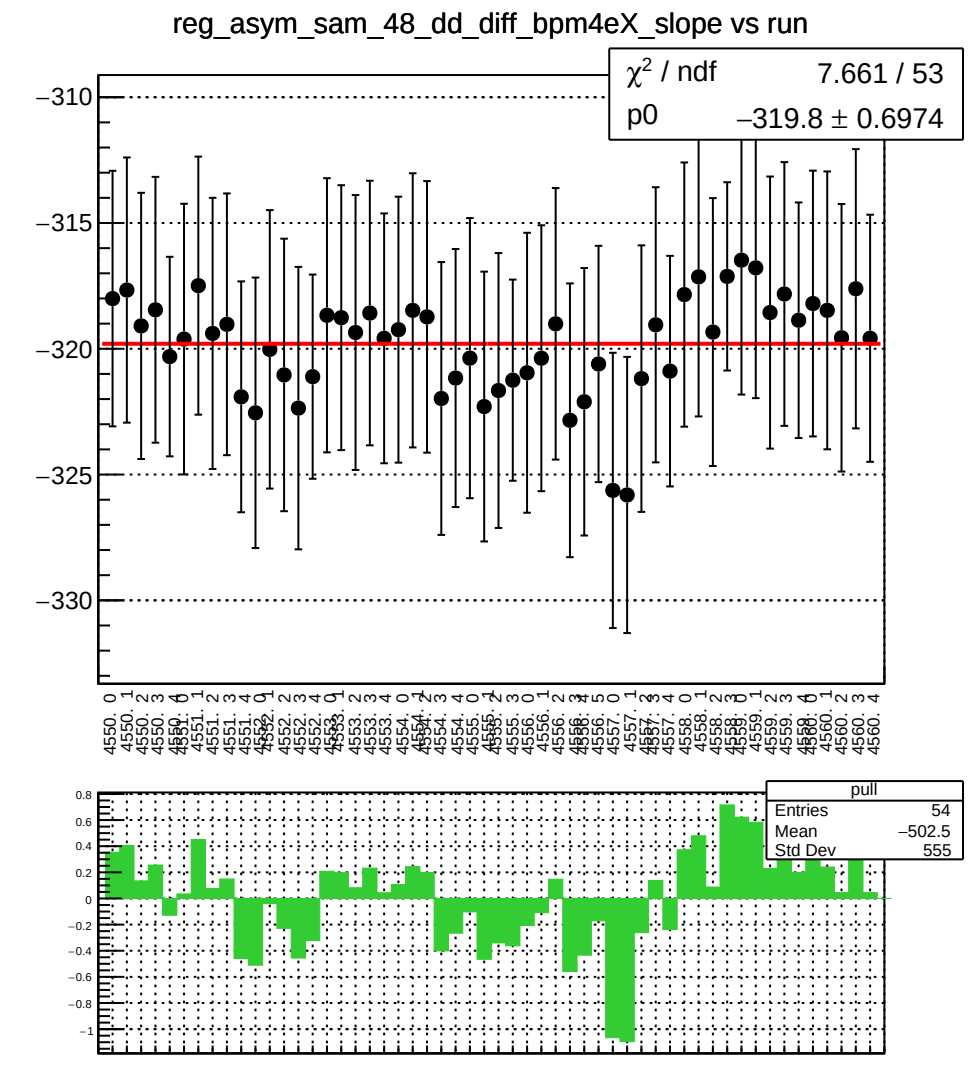

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 3.952 / 53
p0 1.373 ± 0.7855
pull
Entries 54
Mean 39.37
Std Dev 98.66

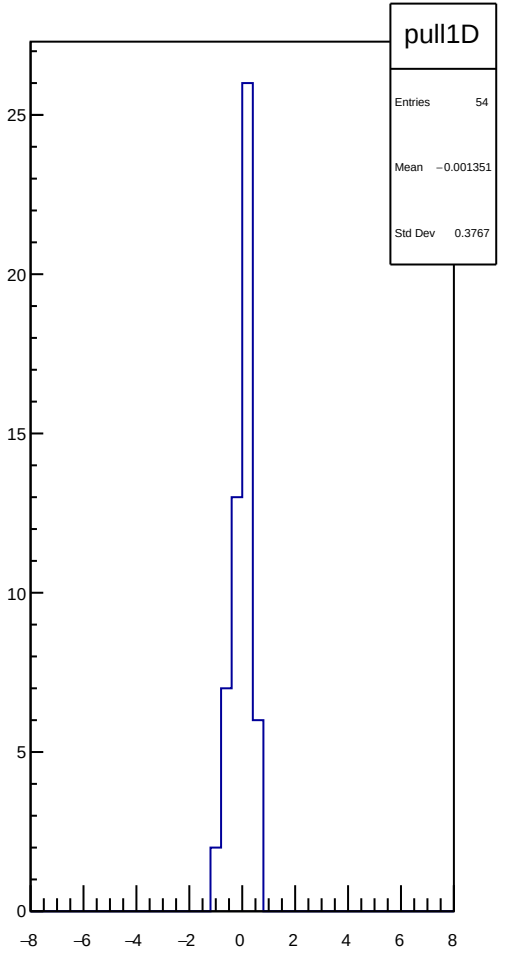

pull1D
Entries 54
Mean 0.002725
Std Dev 0.2705

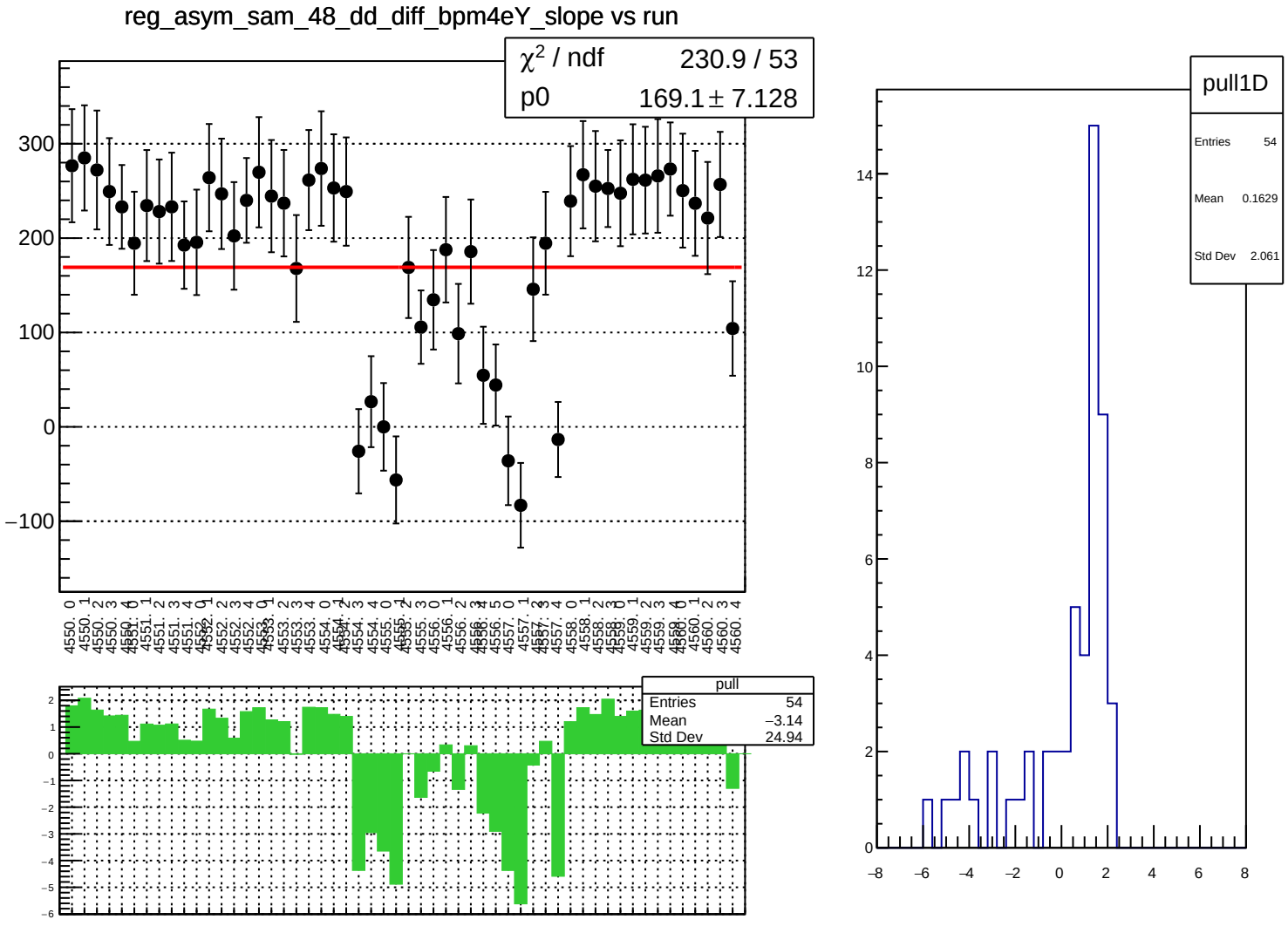

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.721 / 53
p0 73.13 ± 4.215
pull
Entries 54
Mean 205.3
Std Dev 186.3

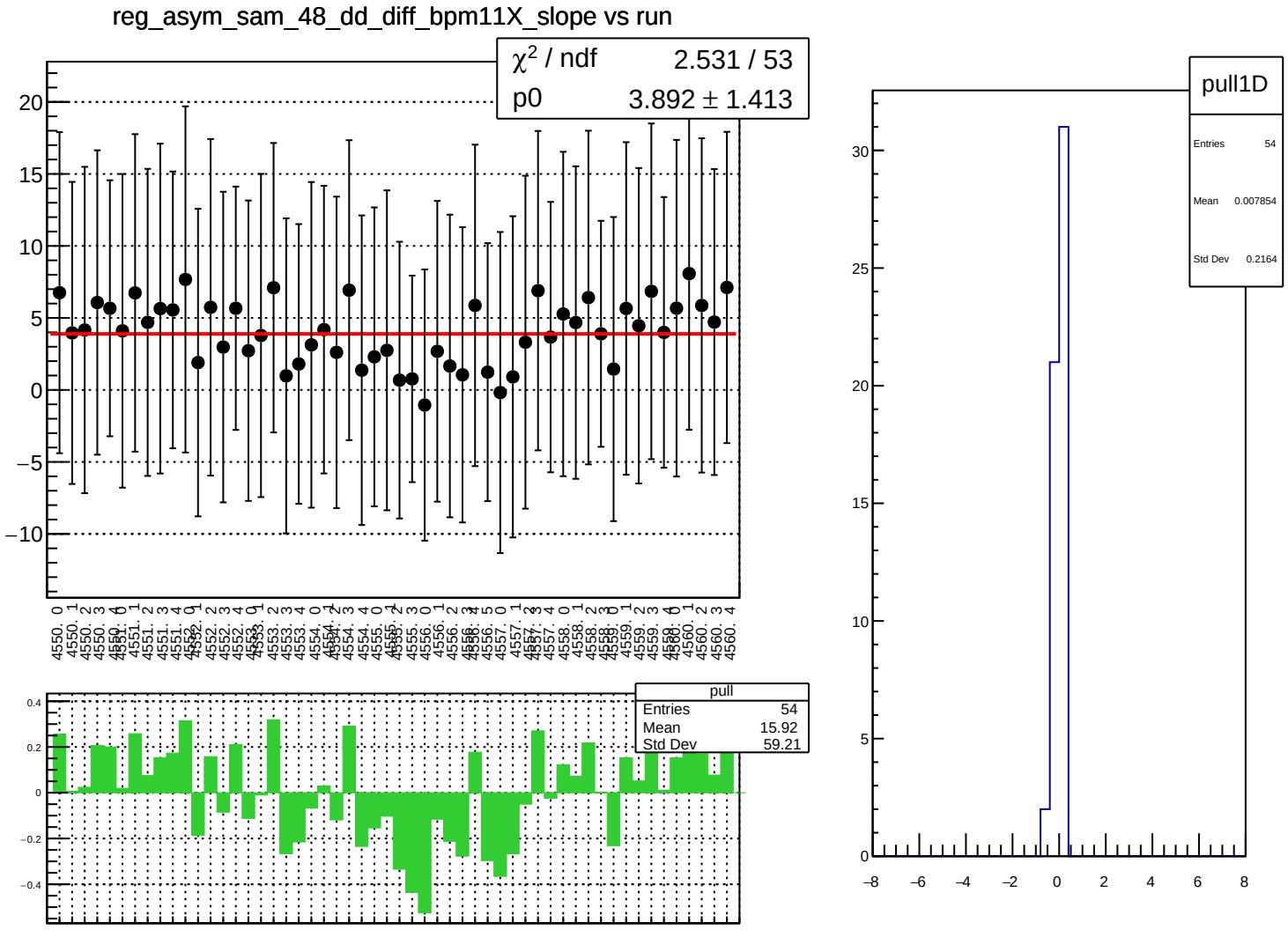

pull1D
Entries 54
Mean −0.003766
Std Dev 0.2957

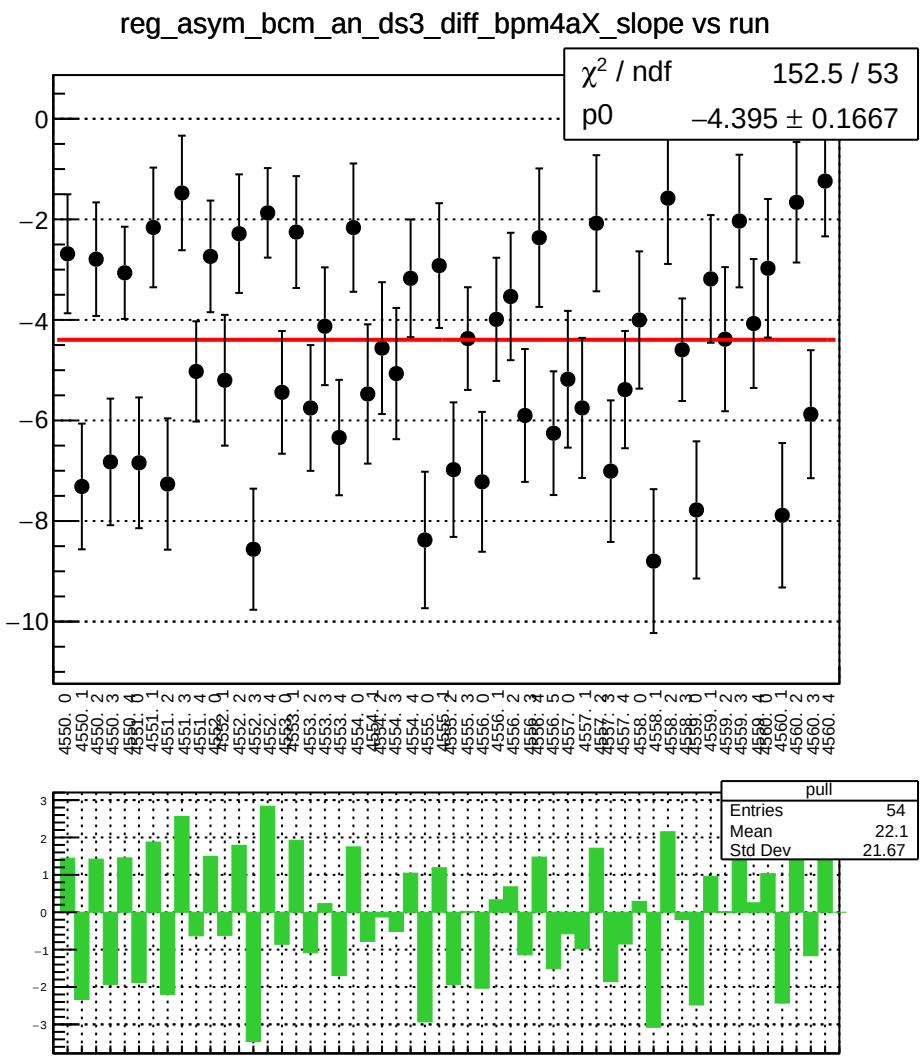

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 231.9 / 53
p0 77.4 ± 5.304
pull
Entries 54
Mean −4.337
Std Dev 23.89
pull1D
Entries 54
Mean −0.1605
Std Dev 2.066

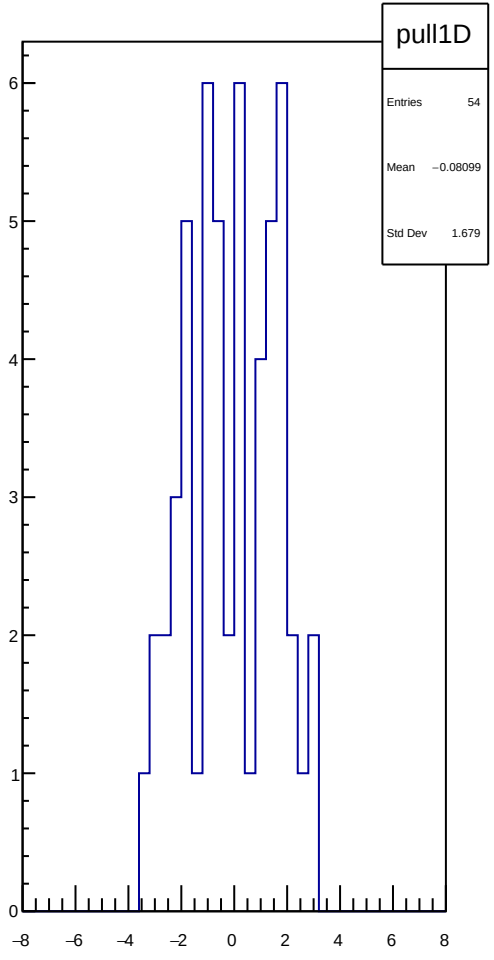

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.661 / 53
p0 −319.8 ± 0.6974
−310
−315
−320
−325
−330
pull
Entries 54
Mean −502.5
Std Dev 555
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

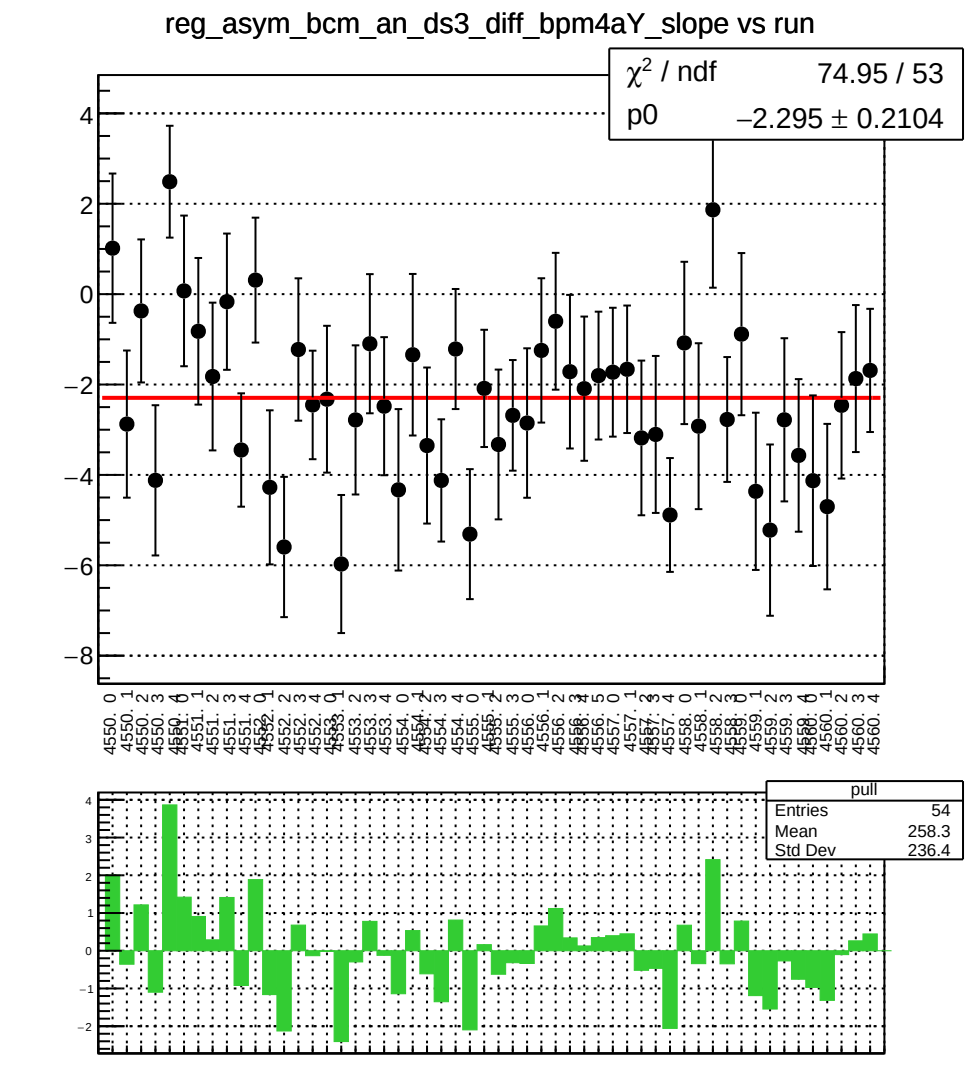

pull1D
Entries 54
Mean −0.001351
Std Dev 0.3767
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

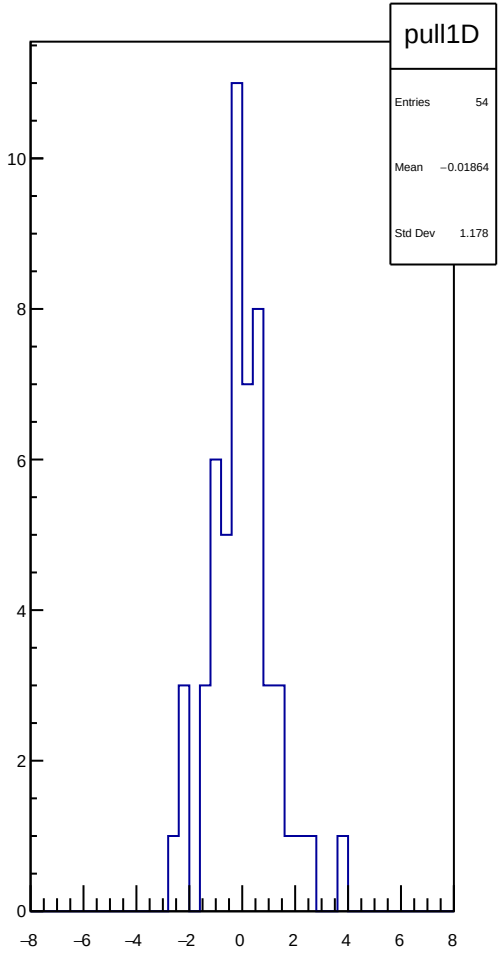

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 230.9 / 53
p0 169.1 ± 7.128
pull
Entries 54
Mean −3.14
Std Dev 24.94
pull1D
Entries 54
Mean 0.1629
Std Dev 2.061

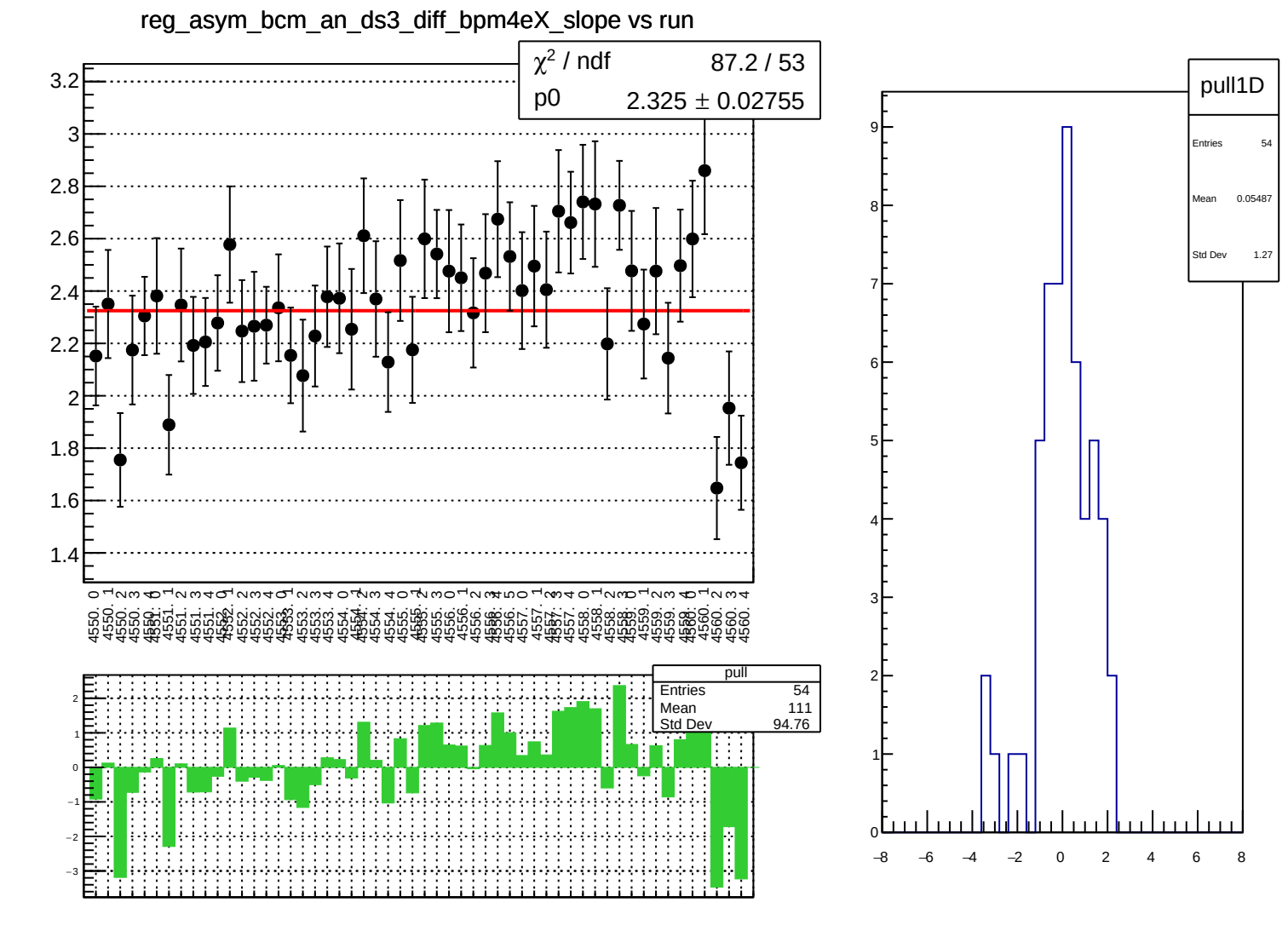

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 2.531 / 53
p0 3.892 ± 1.413
pull
Entries 54
Mean 15.92
Std Dev 59.21
pull1D
Entries 54
Mean 0.007854
Std Dev 0.2164

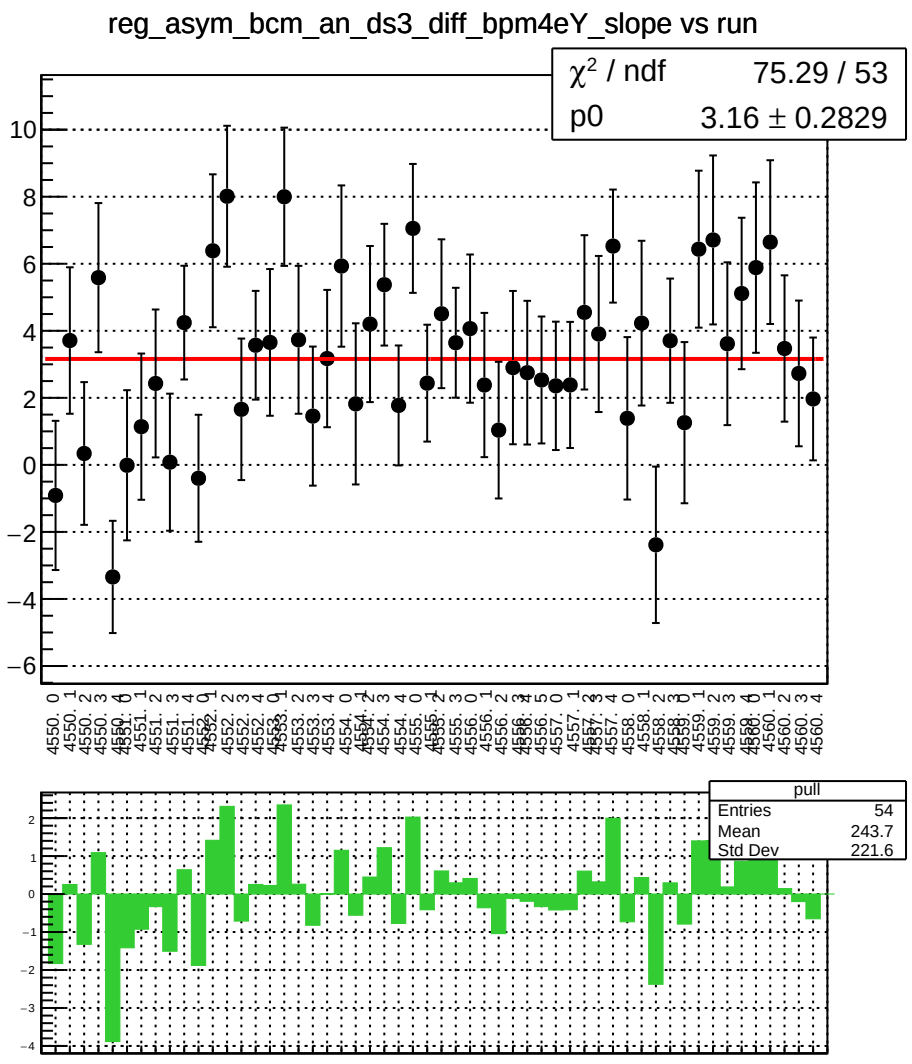

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 152.5 / 53
p0 −4.395 ± 0.1667
pull
Entries 54
Mean 22.1
Std Dev 21.67

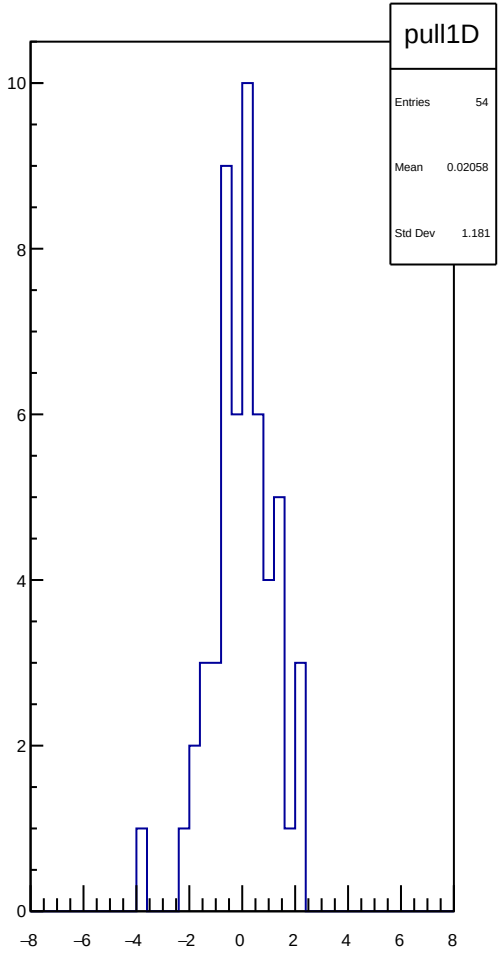

pull1D
Entries 54
Mean −0.08099
Std Dev 1.679

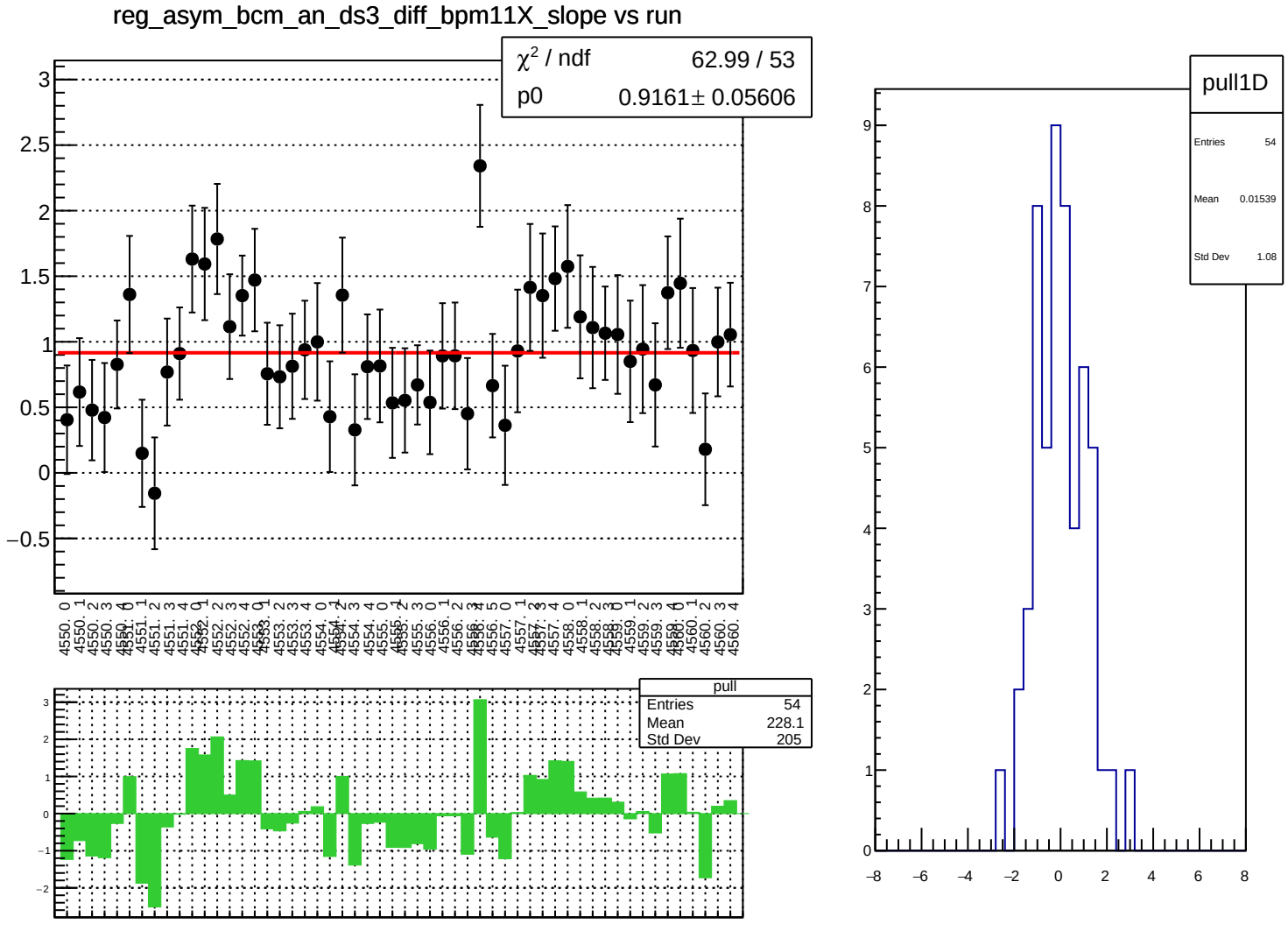

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 74.95 / 53
p0 −2.295 ± 0.2104
pull
Entries 54
Mean 258.3
Std Dev 236.4

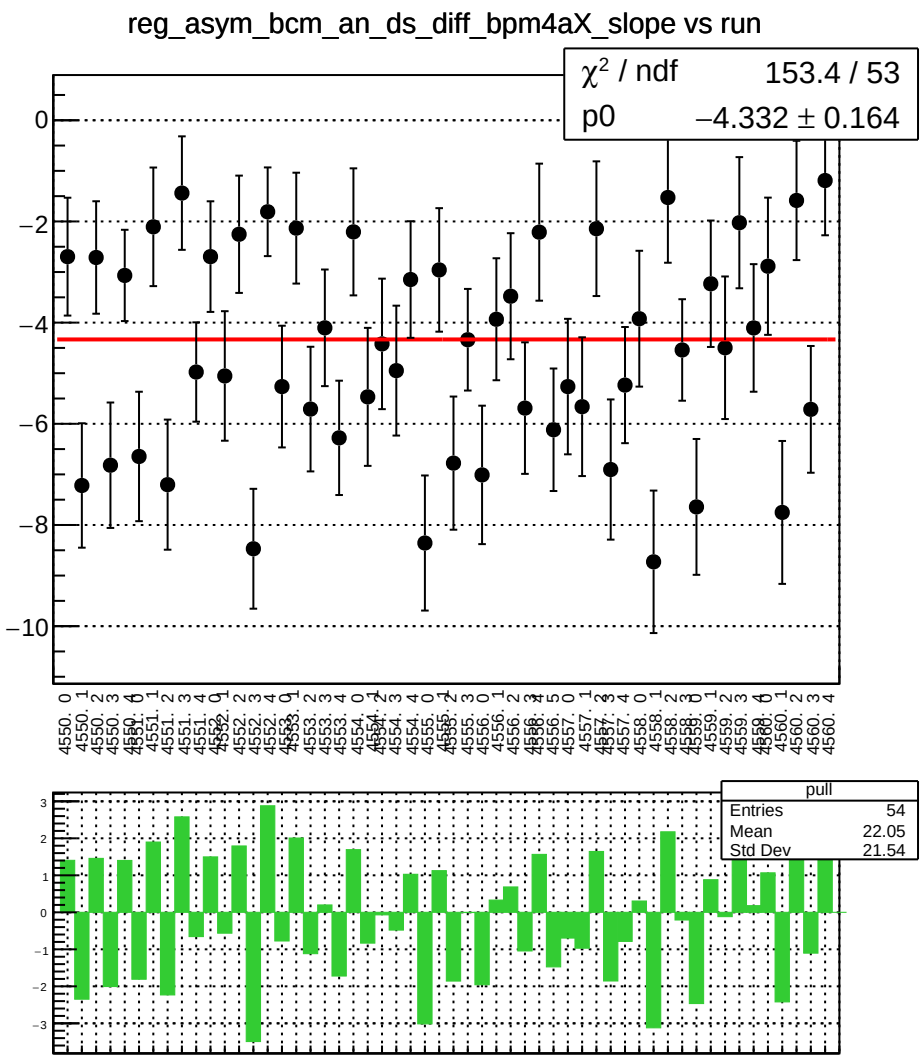

pull1D
Entries 54
Mean −0.01864
Std Dev 1.178

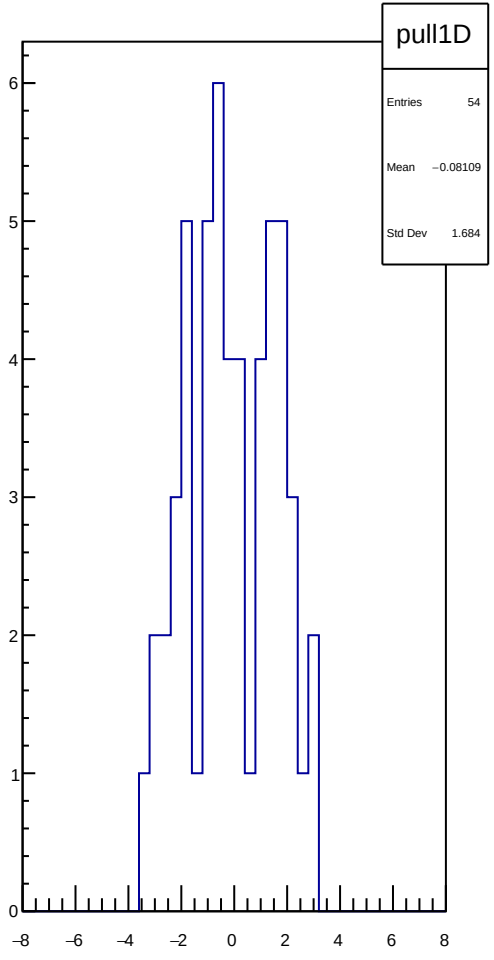

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 87.2 / 53
p0 2.325 ± 0.02755
pull
Entries 54
Mean 111
Std Dev 94.76
pull1D
Entries 54
Mean 0.05487
Std Dev 1.27

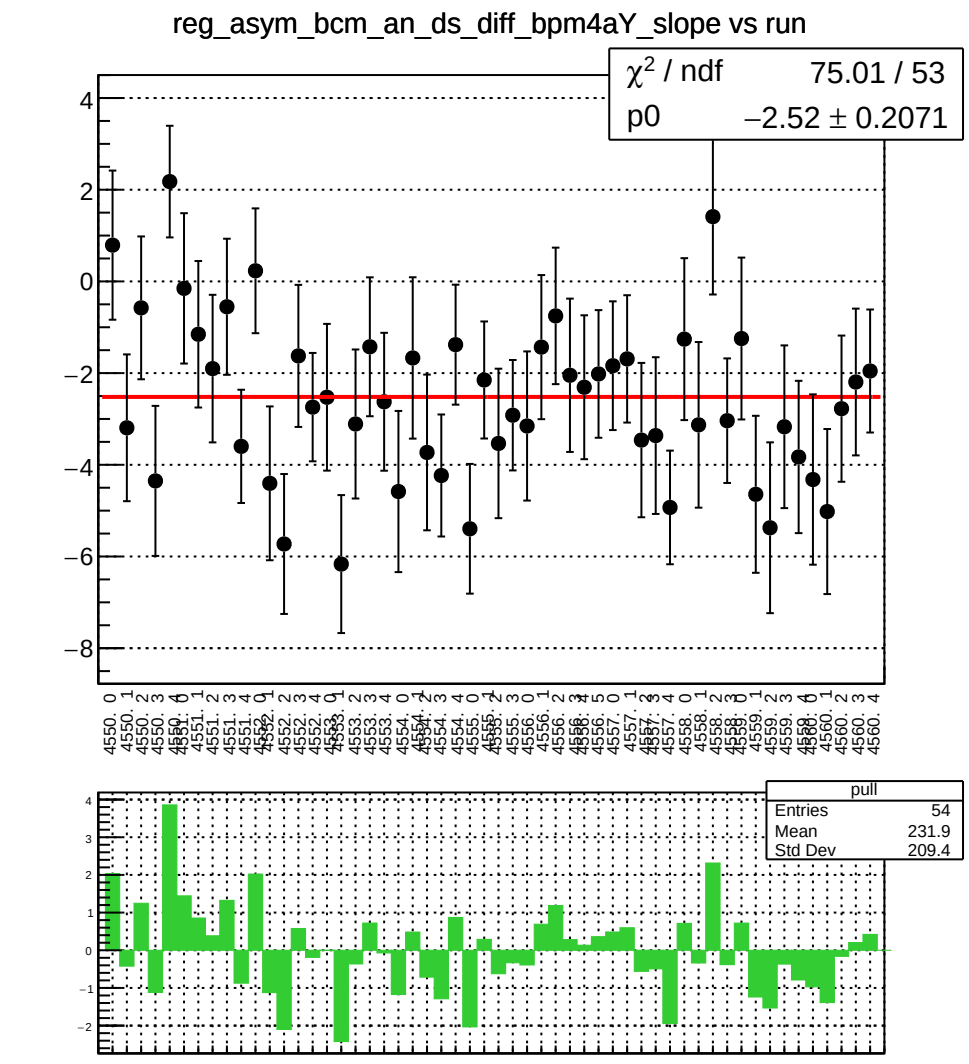

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 75.29 / 53
p0 3.16 ± 0.2829
pull
Entries 54
Mean 243.7
Std Dev 221.6

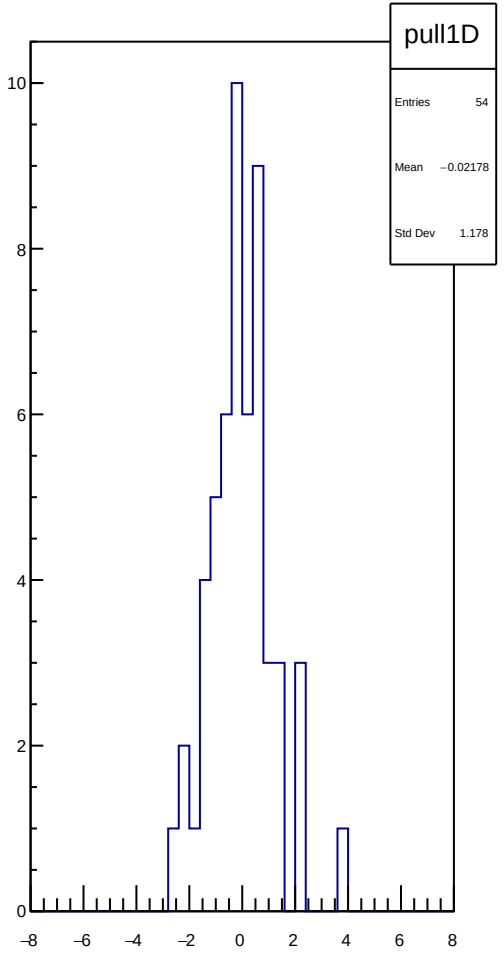

pull1D
Entries 54
Mean 0.02058
Std Dev 1.181

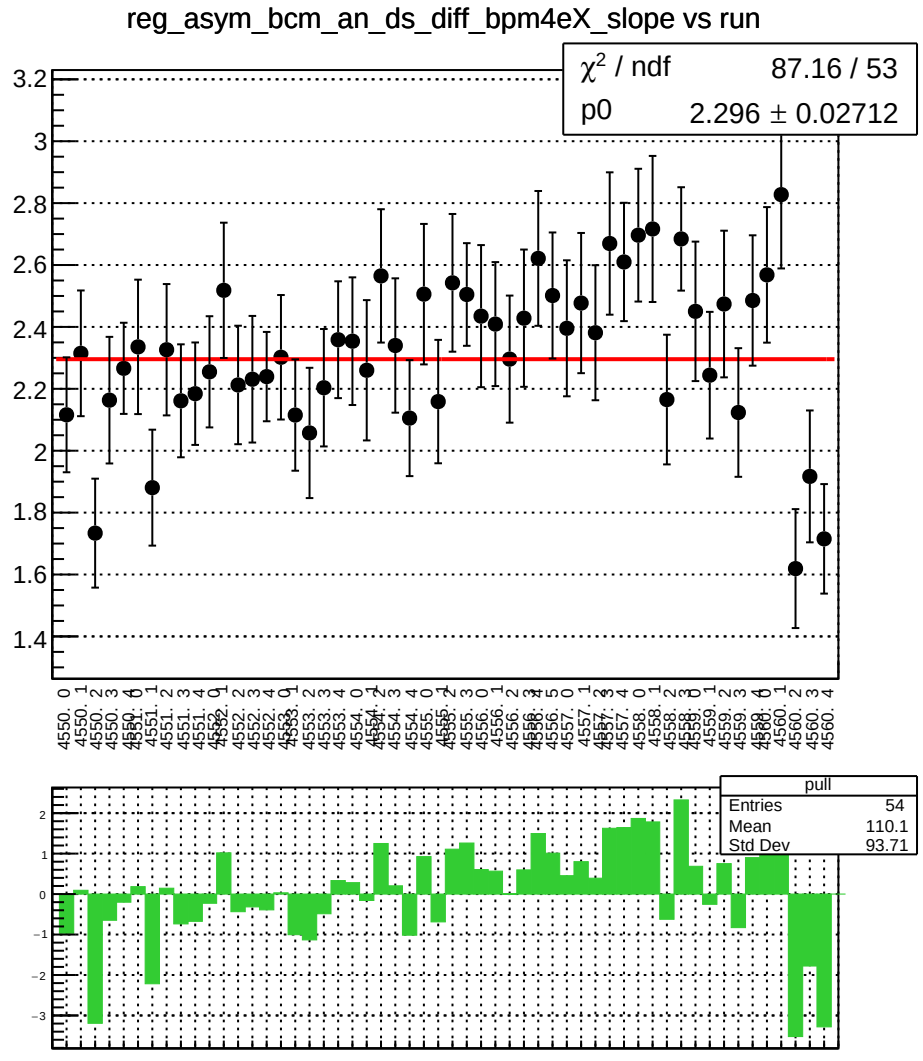

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 62.99 / 53
p0 0.9161± 0.05606
pull
Entries 54
Mean 228.1
Std Dev 205
pull1D
Entries 54
Mean 0.01539
Std Dev 1.08

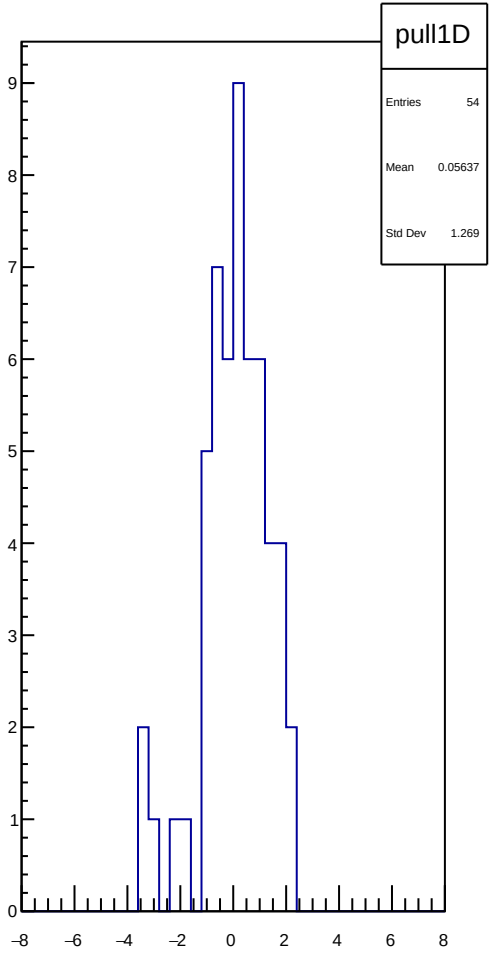

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 153.4 / 53
p0 −4.332 ± 0.164
pull
Entries 54
Mean 22.05
Std Dev 21.54

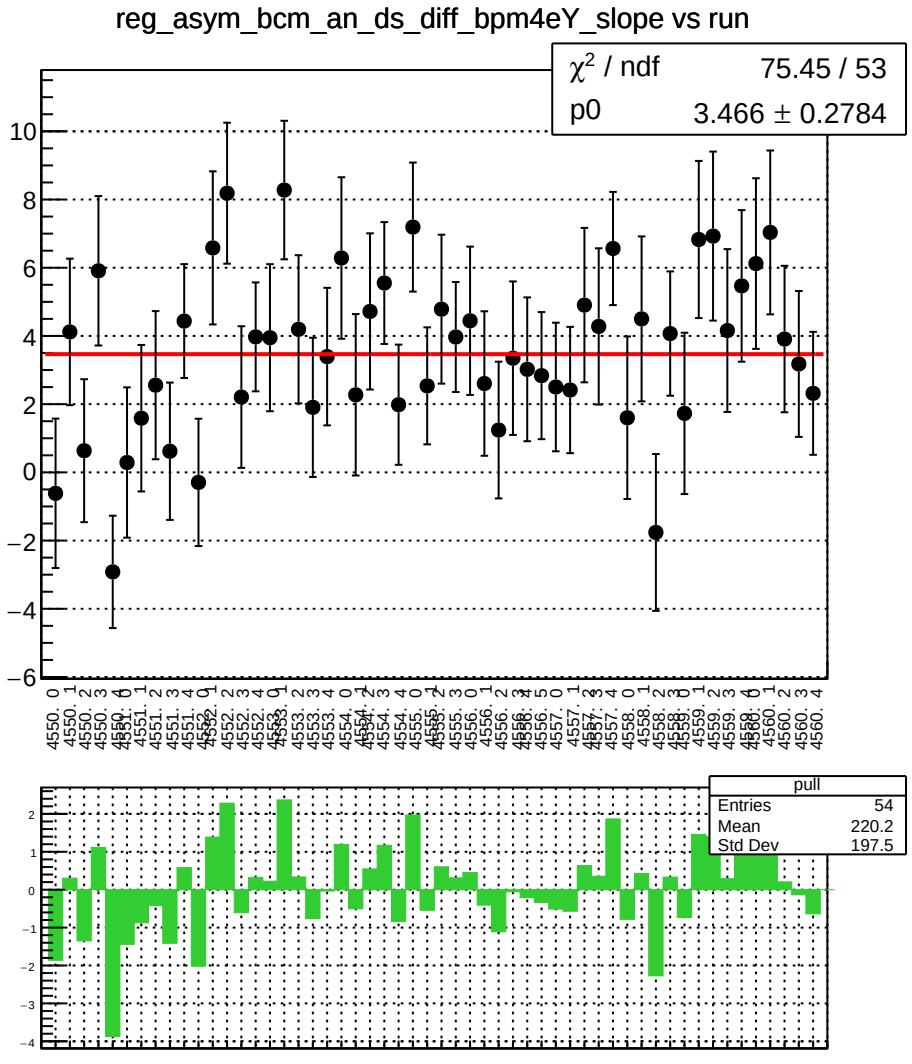

pull1D
Entries 54
Mean −0.08109
Std Dev 1.684

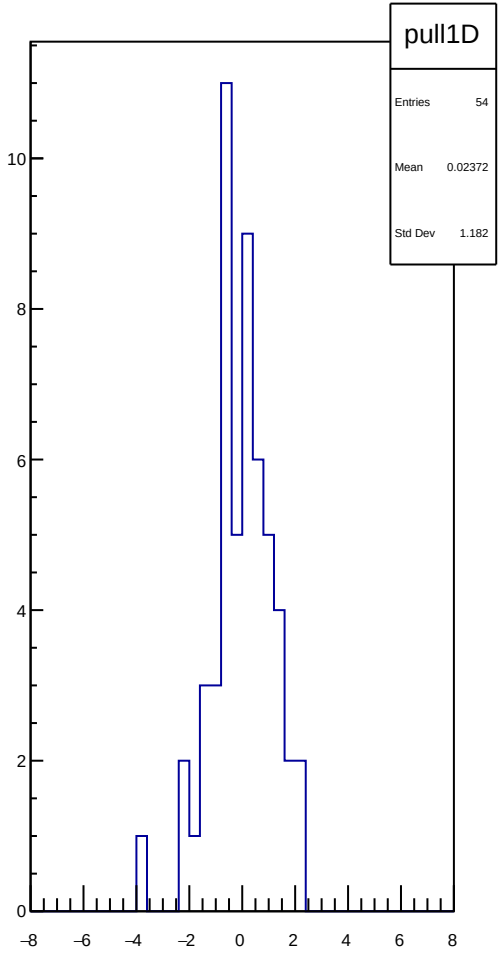

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 75.01 / 53
p0 −2.52 ± 0.2071
pull
Entries 54
Mean 231.9
Std Dev 209.4

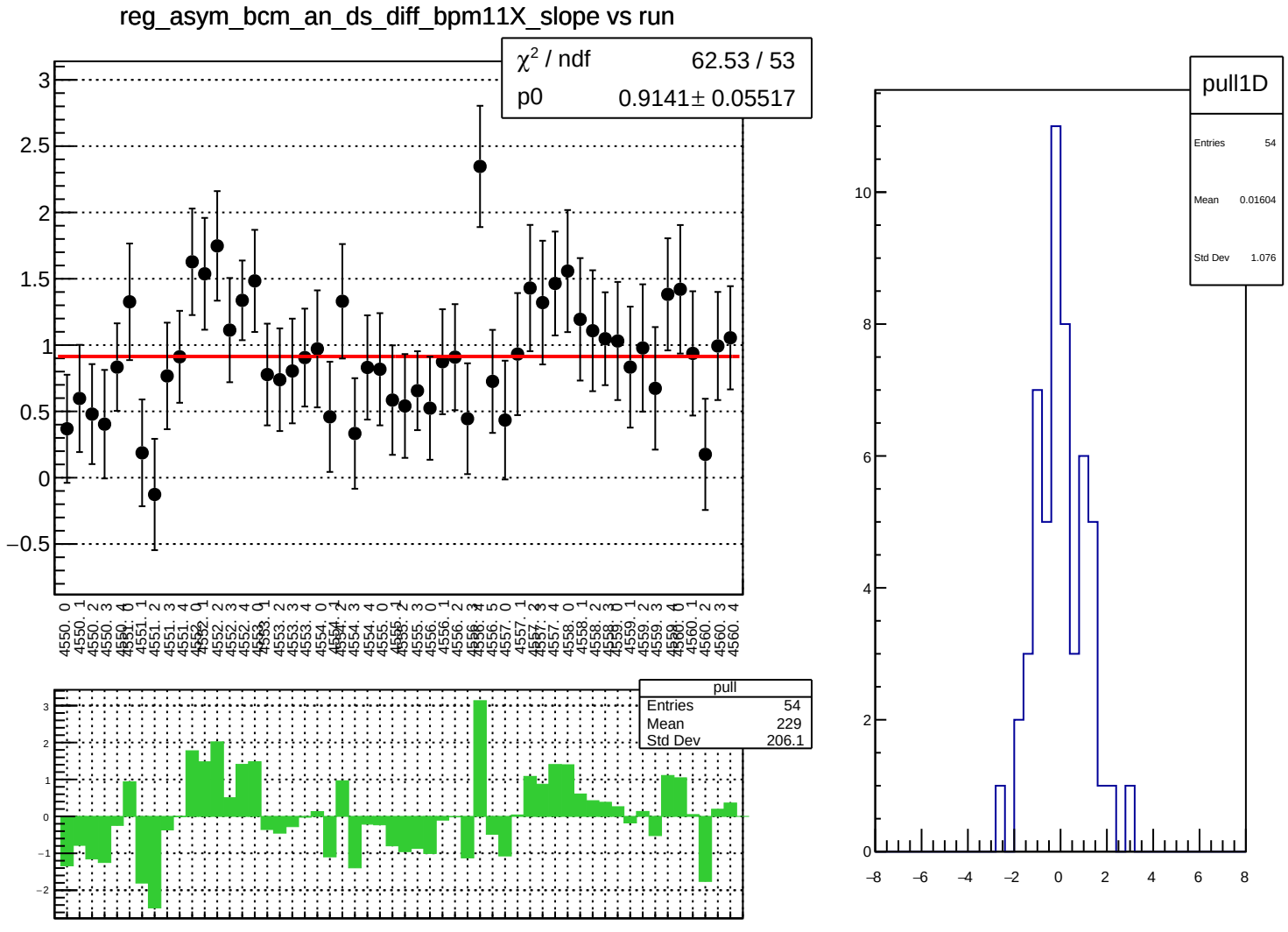

pull1D
Entries 54
Mean −0.02178
Std Dev 1.178

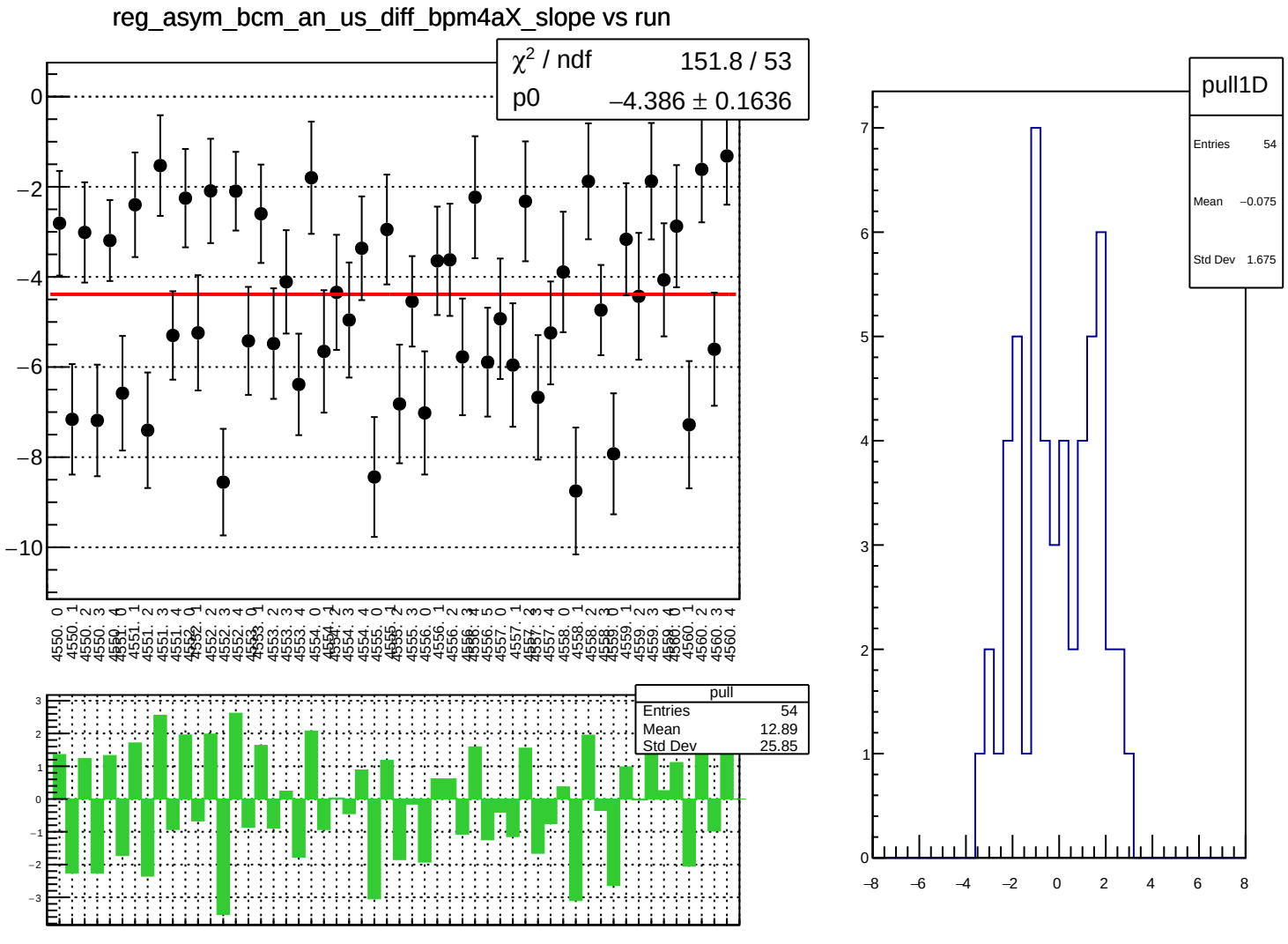

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 87.16 / 53
p0 2.296 ± 0.02712
pull
Entries 54
Mean 110.1
Std Dev 93.71

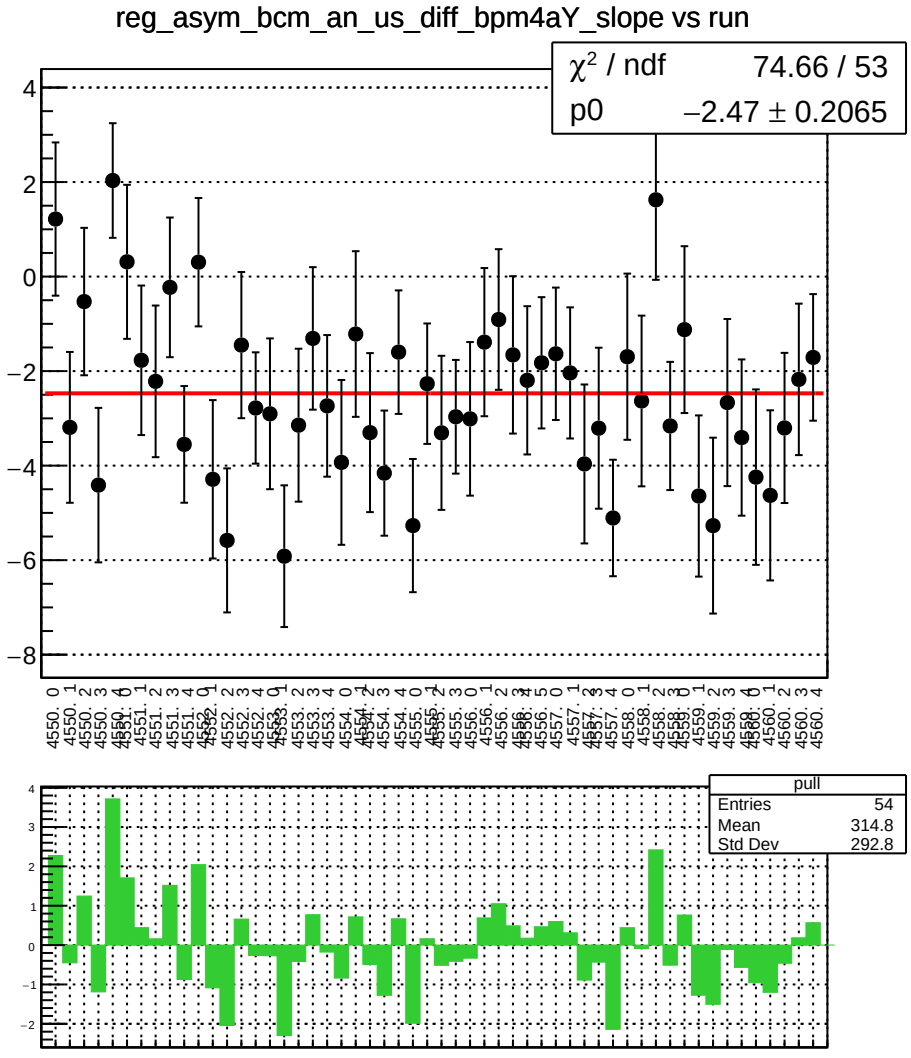

pull1D
Entries 54
Mean 0.05637
Std Dev 1.269

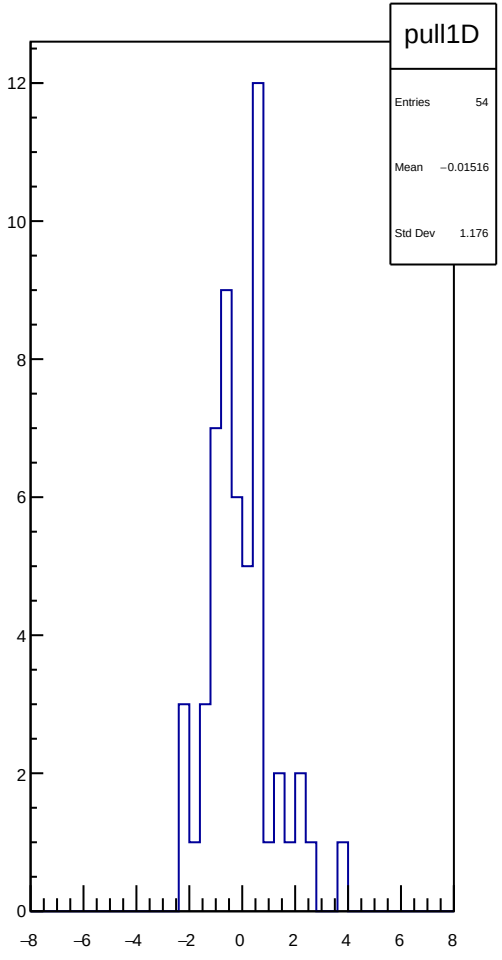

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 75.45 / 53
p0 3.466 ± 0.2784
pull
Entries 54
Mean 220.2
Std Dev 197.5

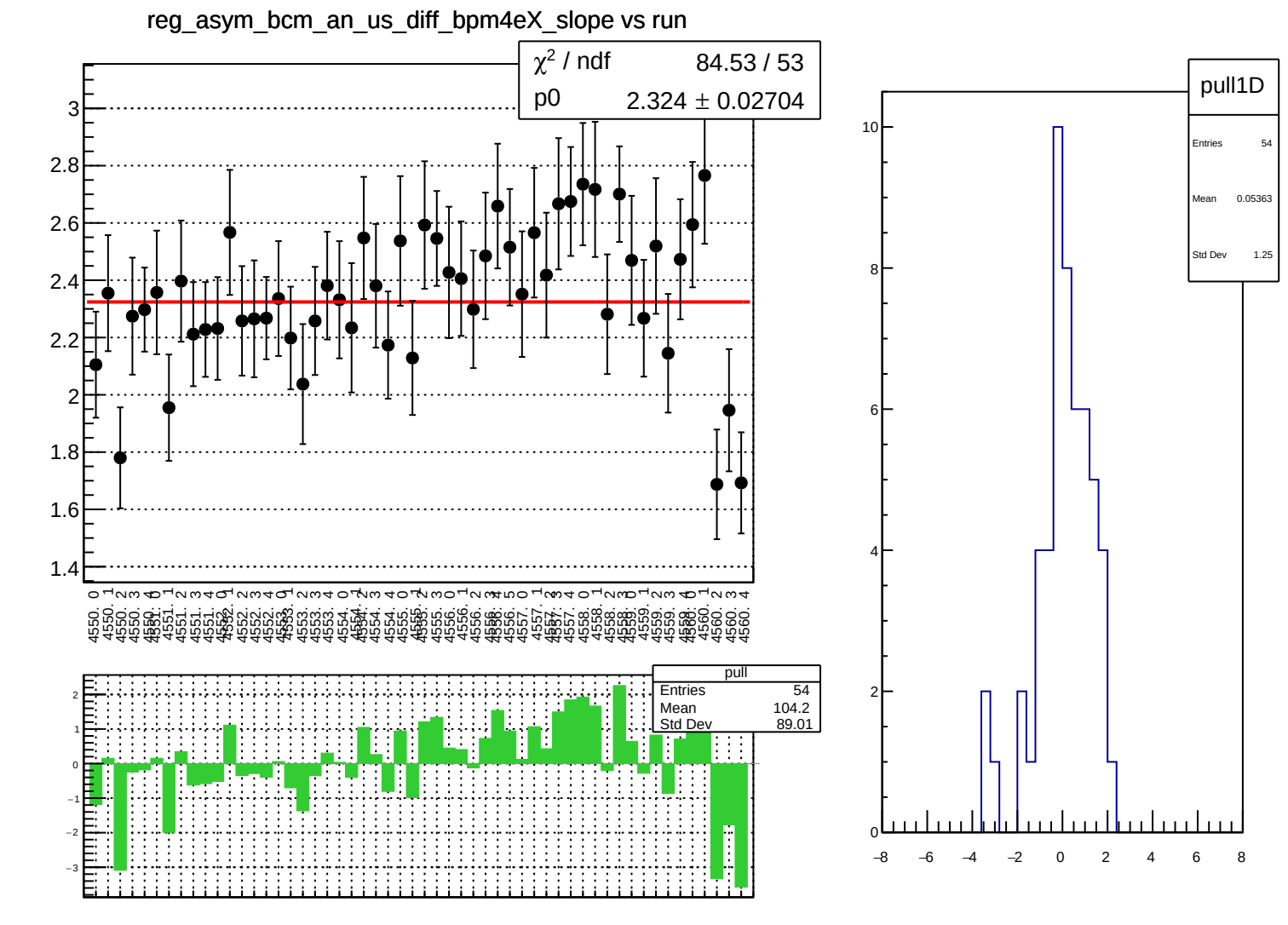

pull1D
Entries 54
Mean 0.02372
Std Dev 1.182

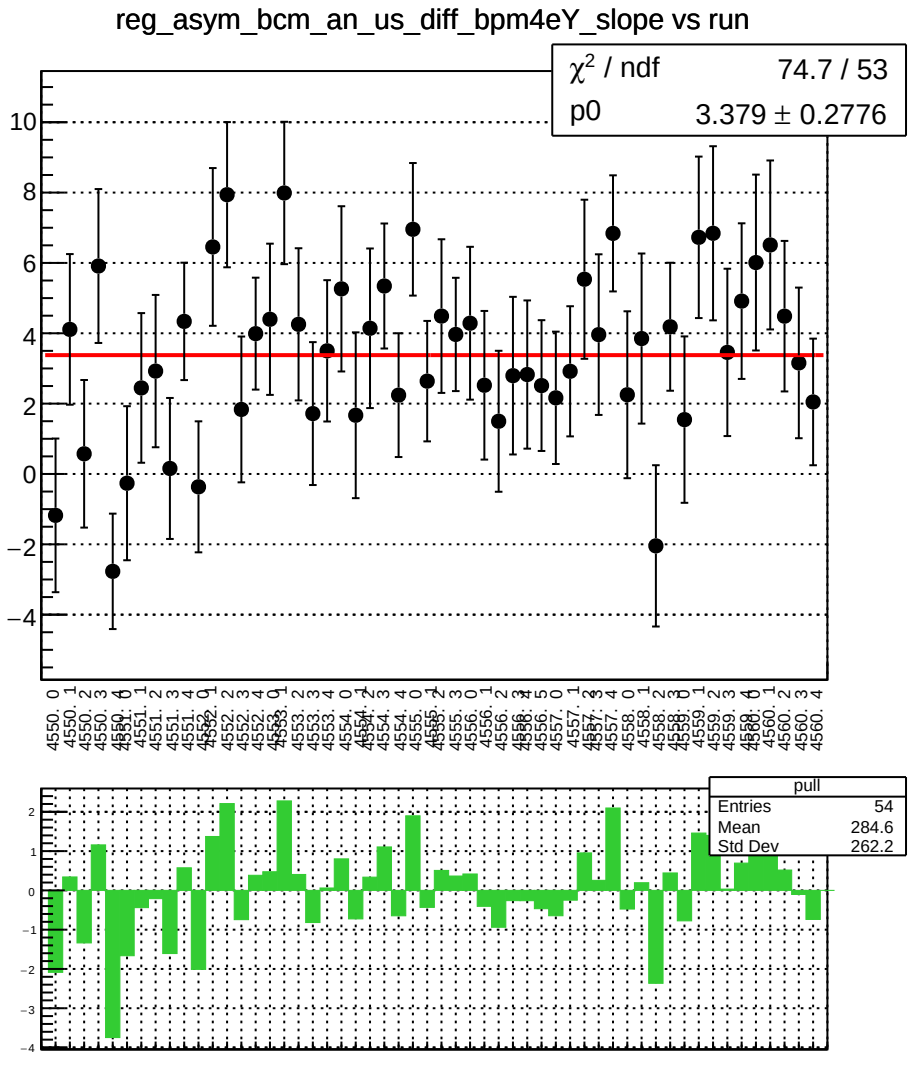

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 62.53 / 53
p0 0.9141± 0.05517
pull
Entries 54
Mean 229
Std Dev 206.1
pull1D
Entries 54
Mean 0.01604
Std Dev 1.076

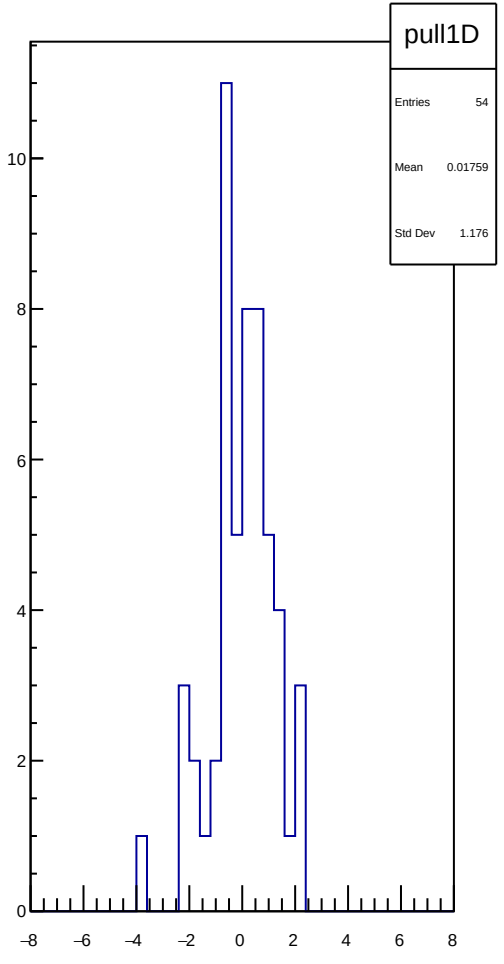

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 151.8 / 53
p0 −4.386 ± 0.1636
pull
Entries 54
Mean 12.89
Std Dev 25.85
pull1D
Entries 54
Mean −0.075
Std Dev 1.675

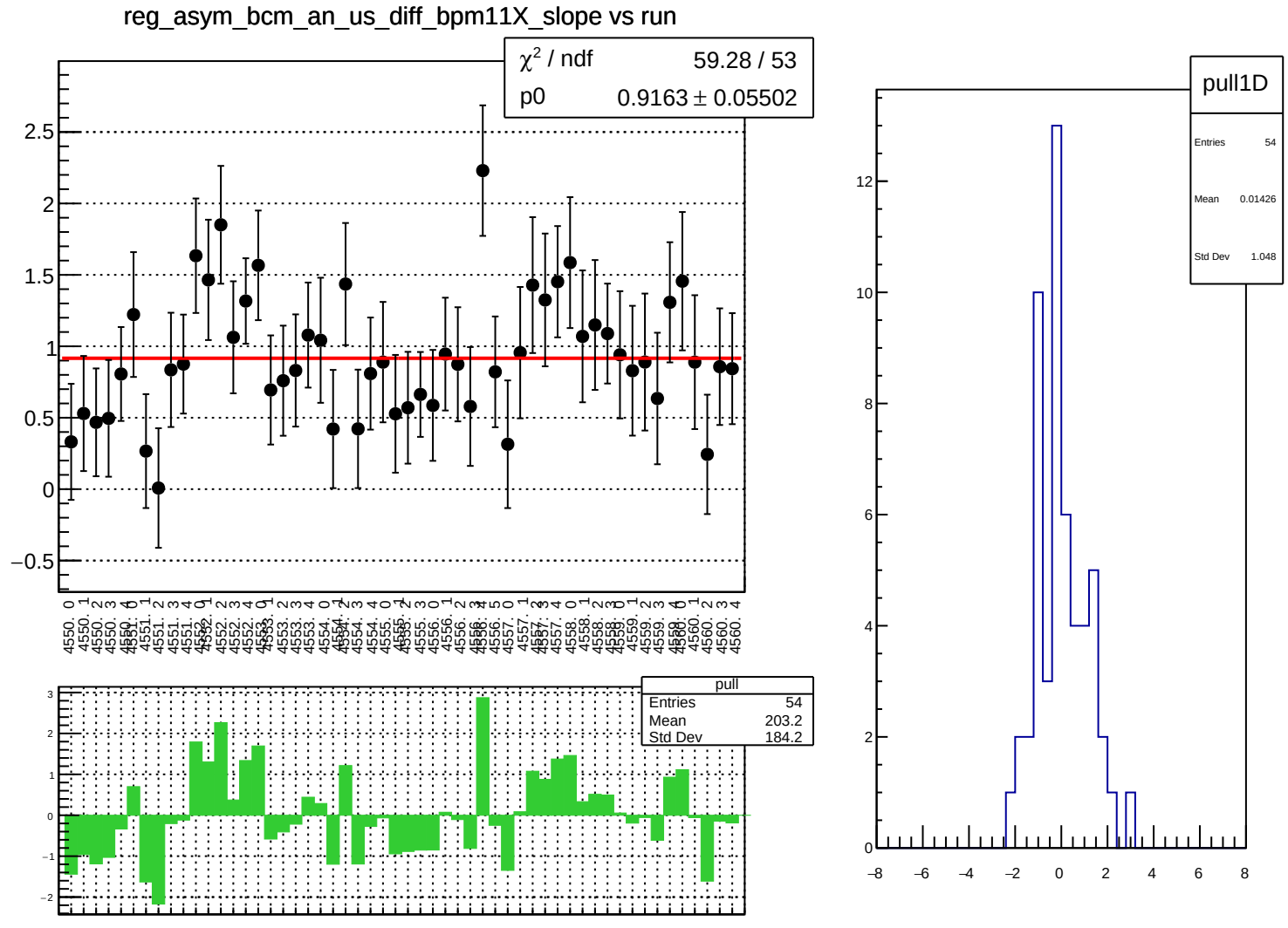

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 74.66 / 53
p0 −2.47 ± 0.2065
pull
Entries 54
Mean 314.8
Std Dev 292.8

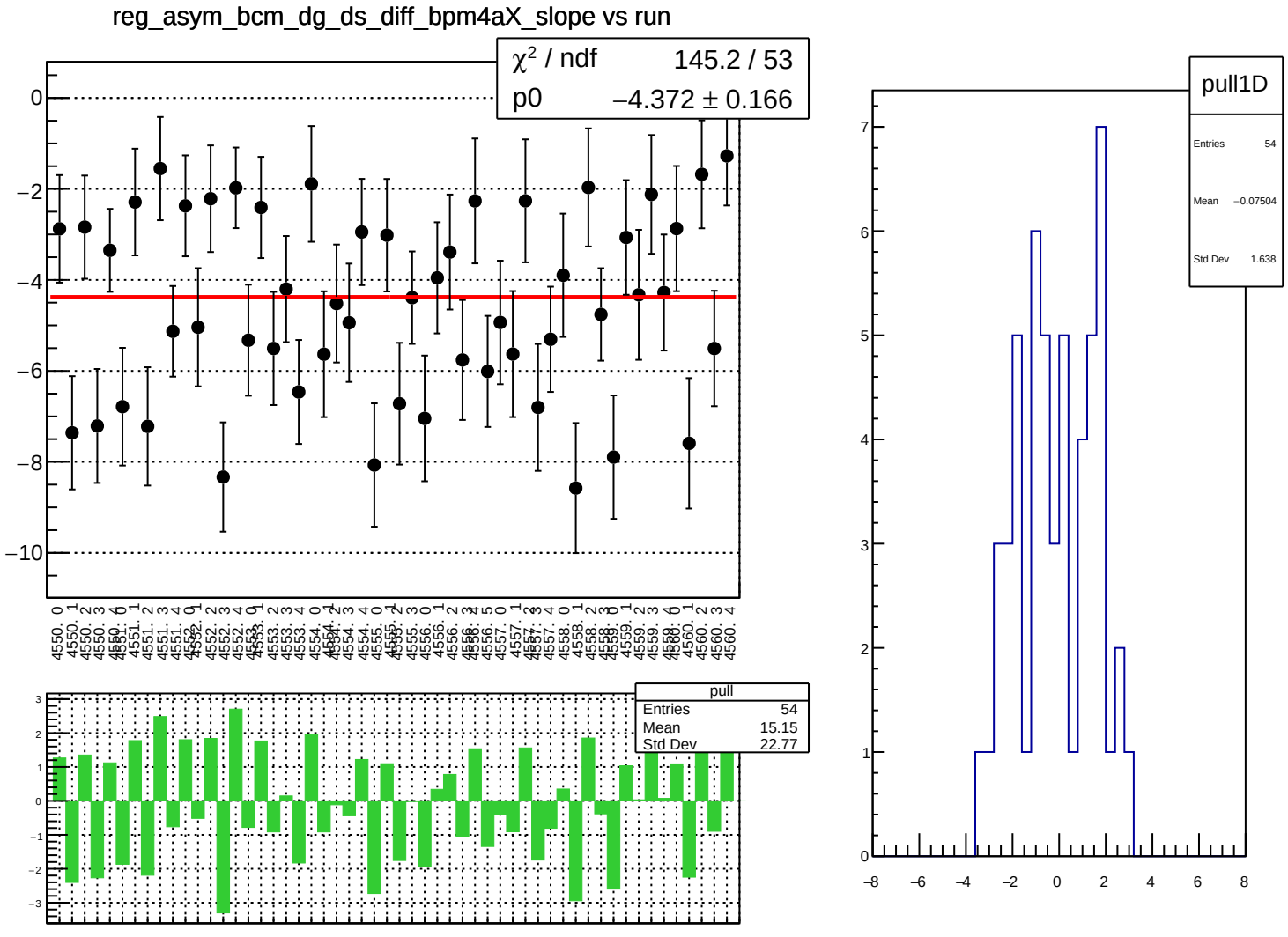

pull1D
Entries 54
Mean −0.01516
Std Dev 1.176

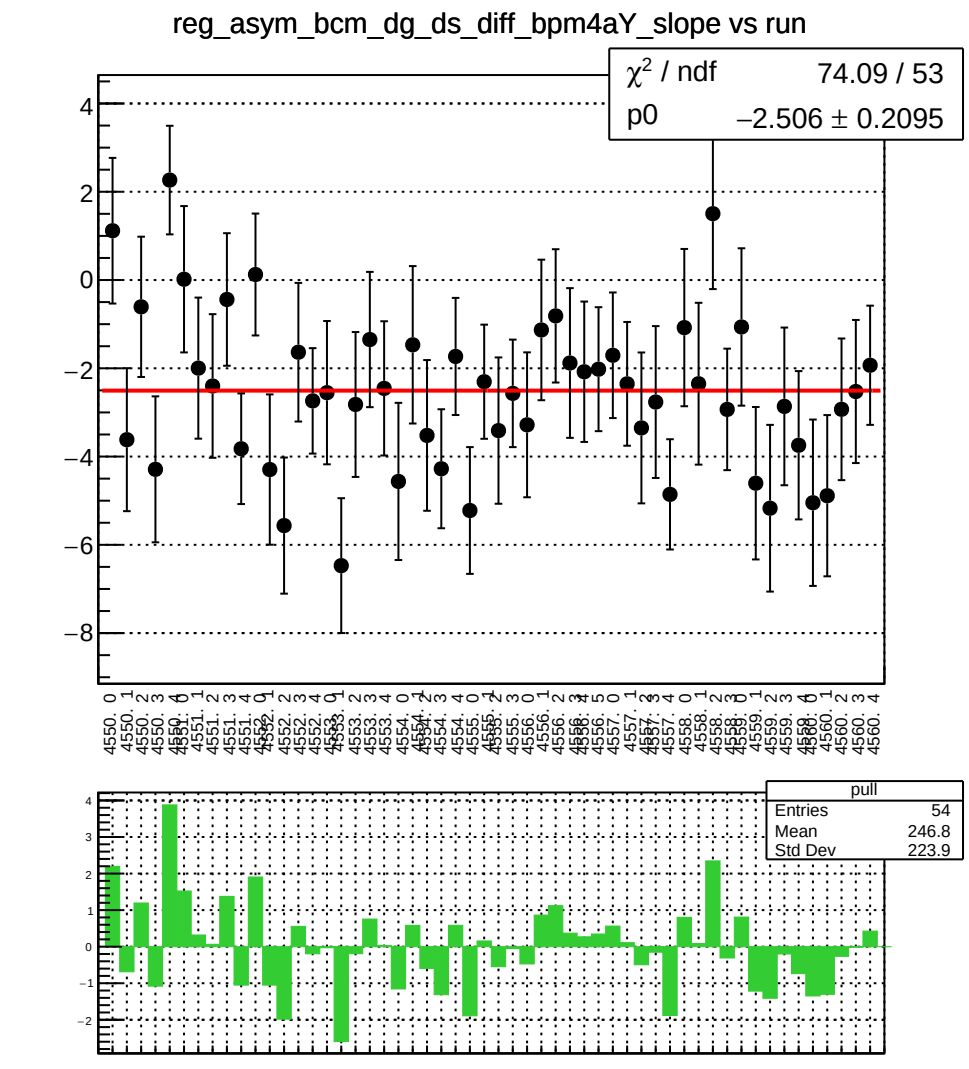

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 84.53 / 53
p0 2.324 ± 0.02704
pull
Entries 54
Mean 104.2
Std Dev 89.01
pull1D
Entries 54
Mean 0.05363
Std Dev 1.25

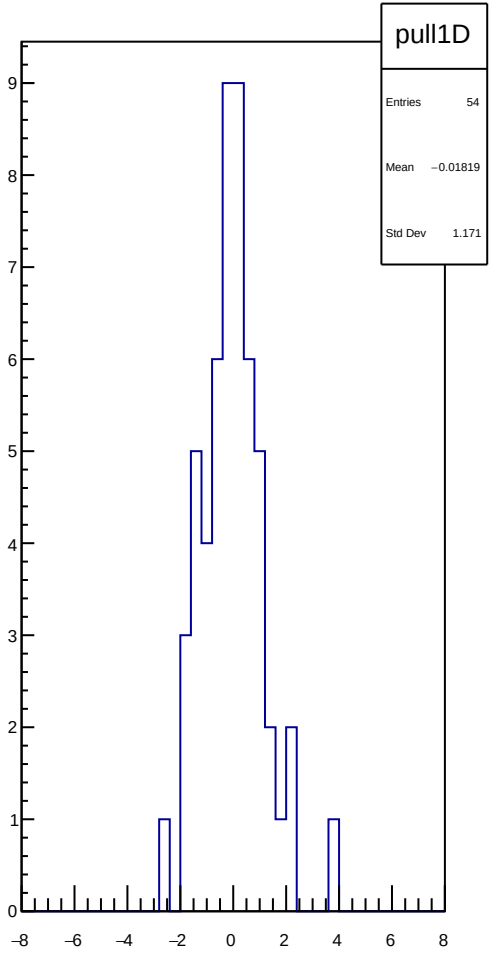

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 74.7 / 53
p0 3.379 ± 0.2776
pull
Entries 54
Mean 284.6
Std Dev 262.2

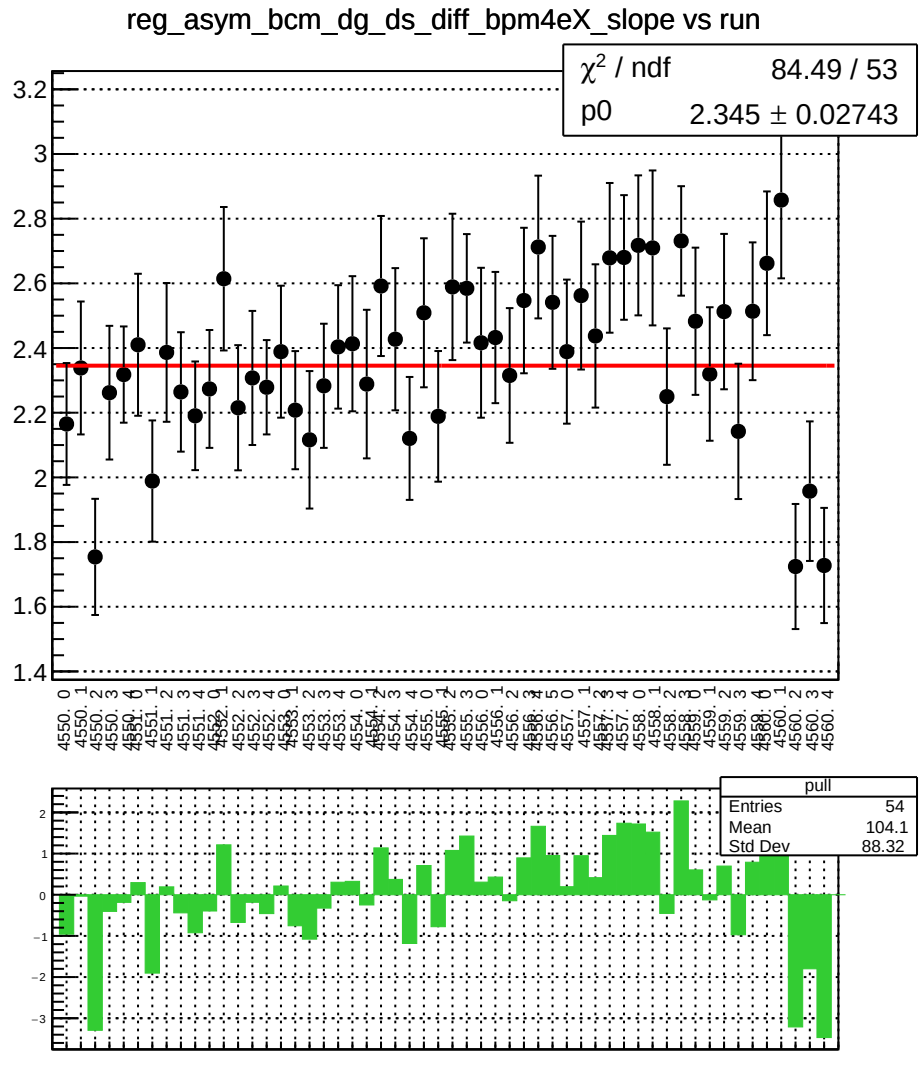

pull1D
Entries 54
Mean 0.01759
Std Dev 1.176

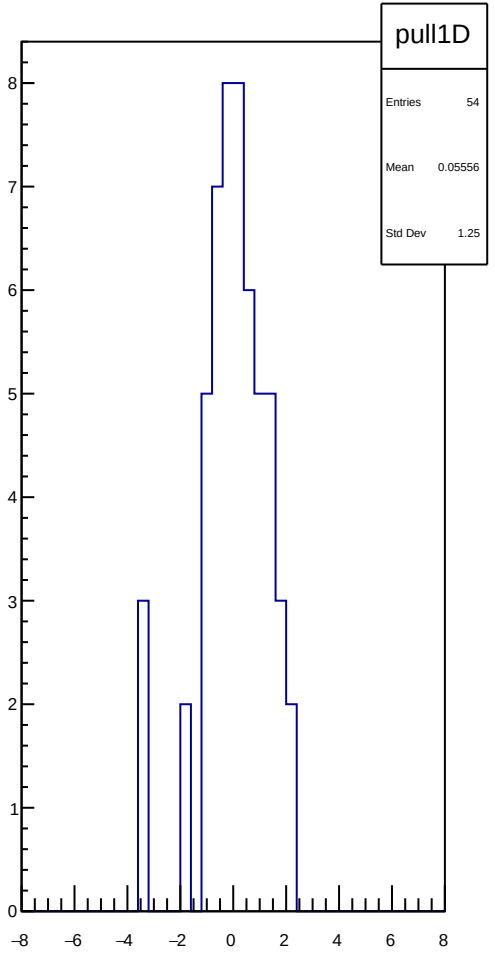

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 59.28 / 53
p0 0.9163 ± 0.05502
pull
Entries 54
Mean 203.2
Std Dev 184.2
pull1D
Entries 54
Mean 0.01426
Std Dev 1.048

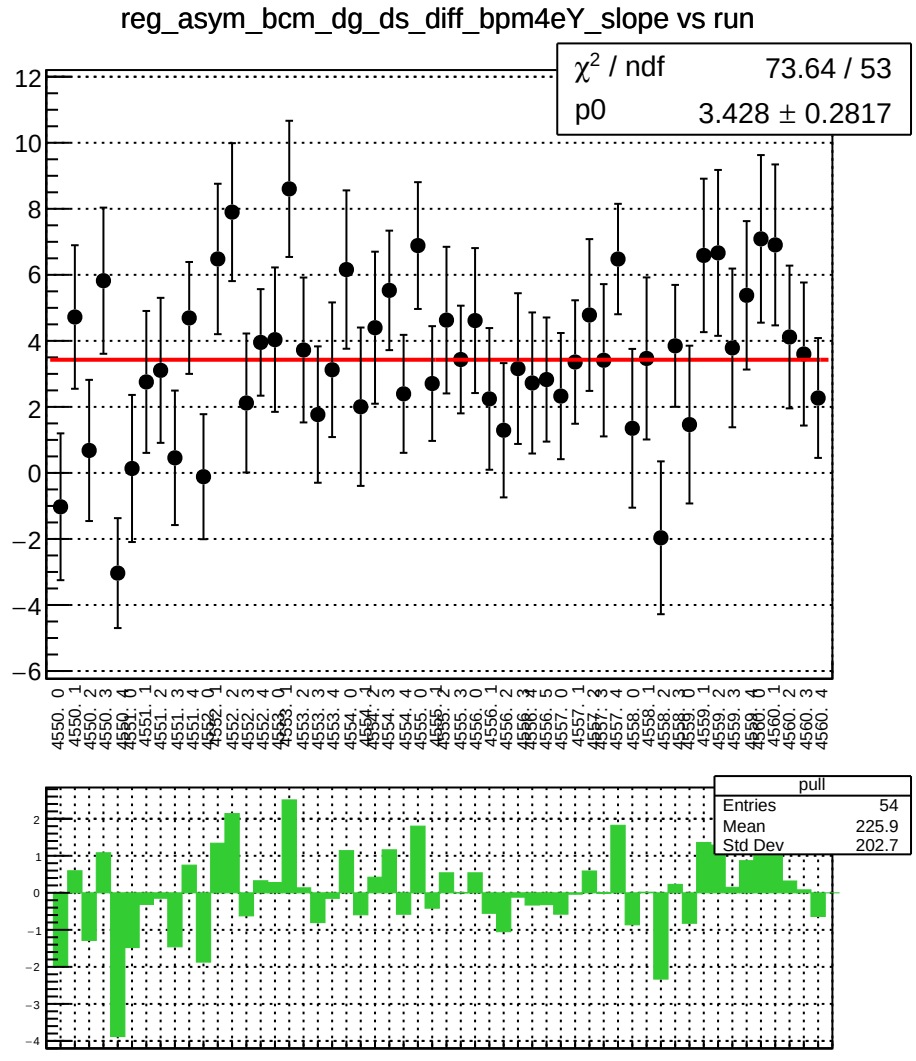

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 145.2 / 53
p0 −4.372 ± 0.166
pull
Entries 54
Mean 15.15
Std Dev 22.77
pull1D
Entries 54
Mean −0.07504
Std Dev 1.638

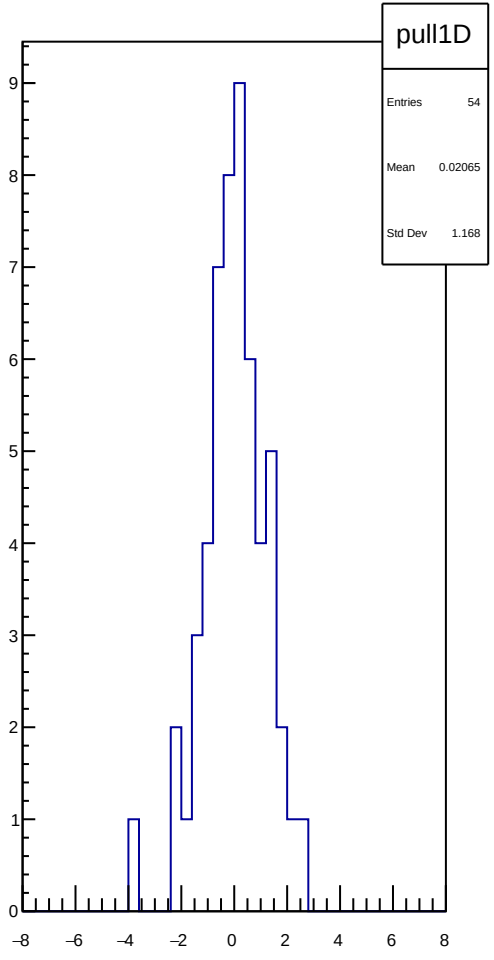

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 74.09 / 53
p0 −2.506 ± 0.2095
pull
Entries 54
Mean 246.8
Std Dev 223.9

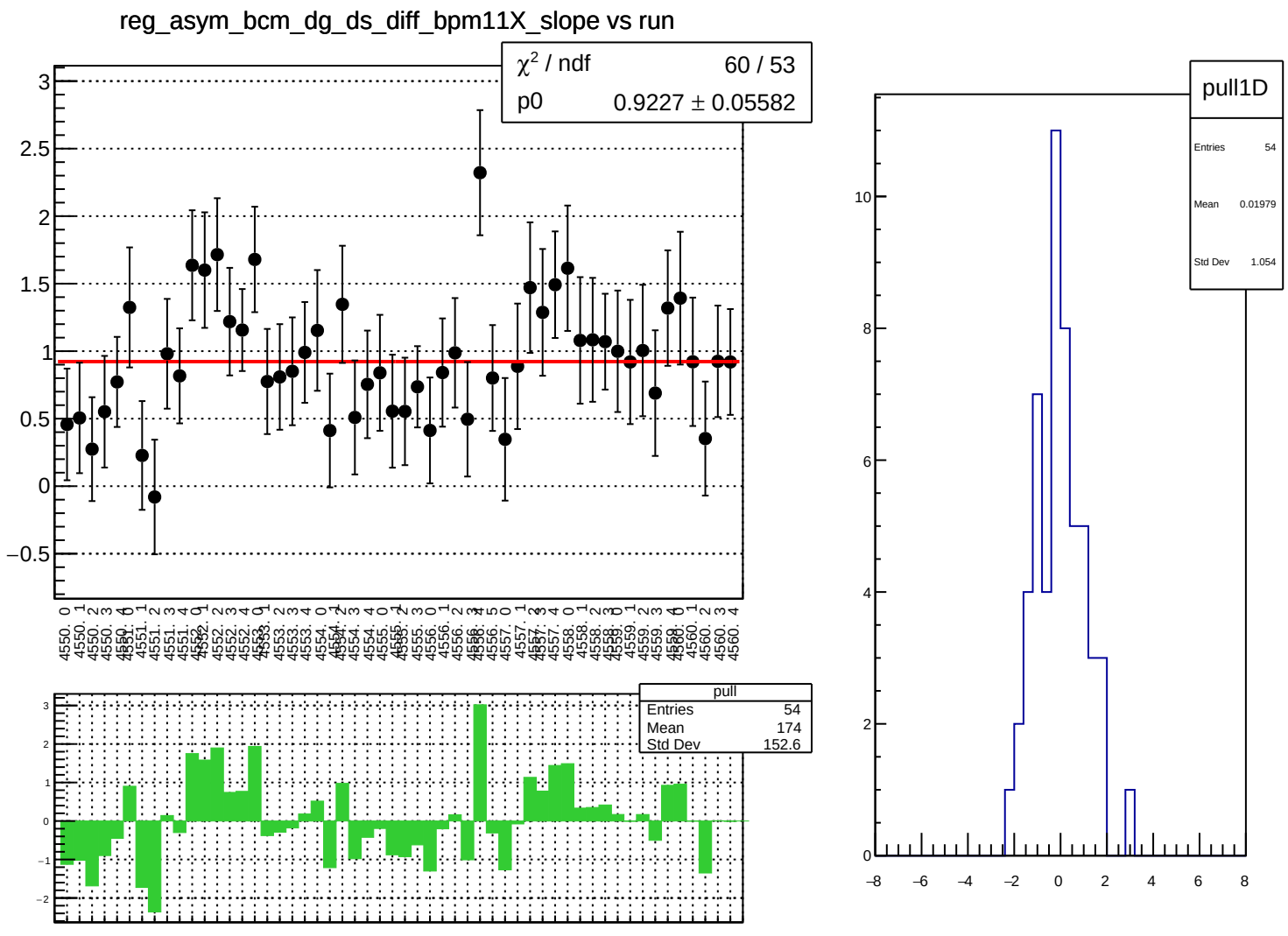

pull1D
Entries 54
Mean −0.01819
Std Dev 1.171

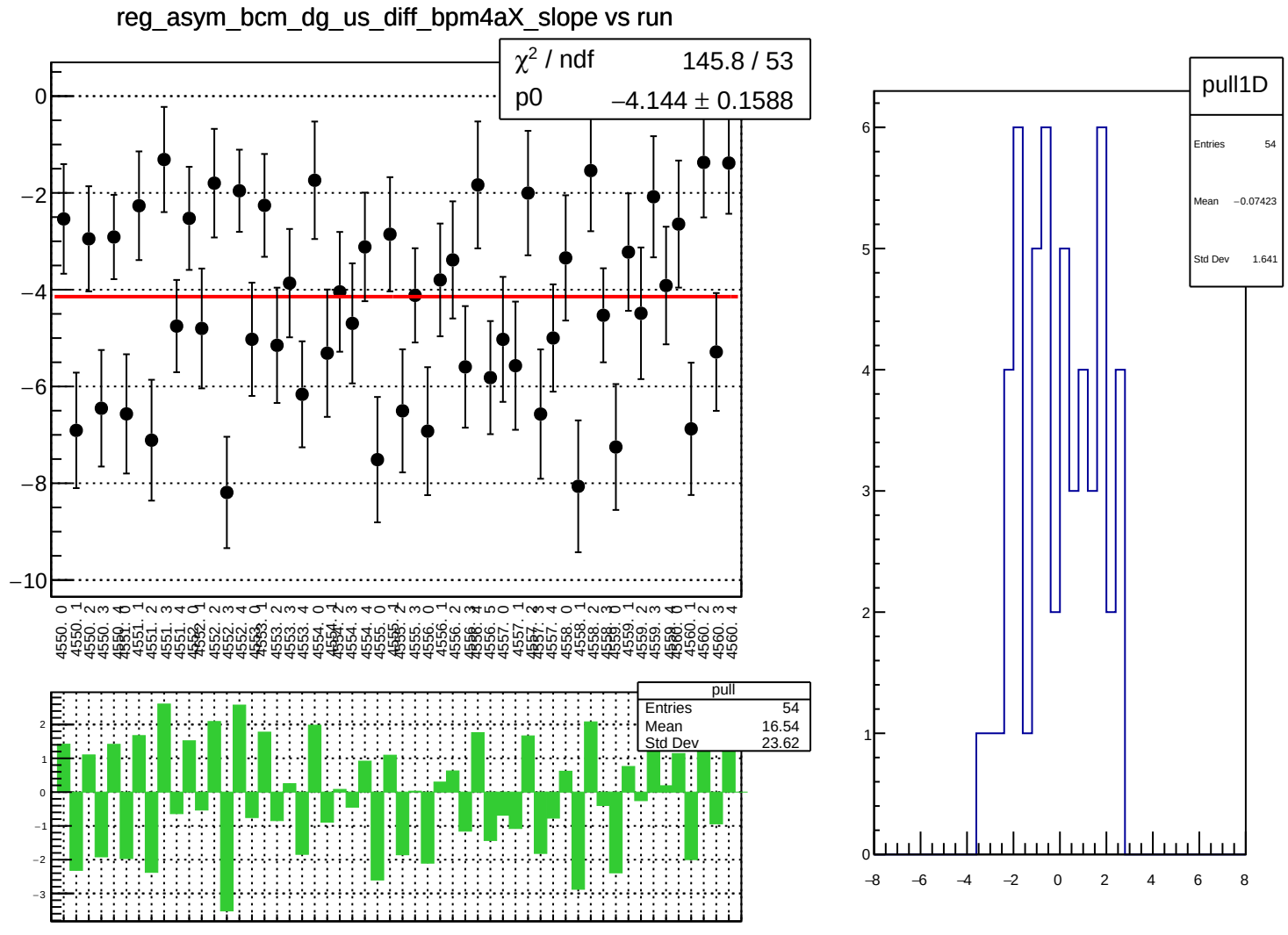

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 84.49 / 53
p0 2.345 ± 0.02743
pull
Entries 54
Mean 104.1
Std Dev 88.32

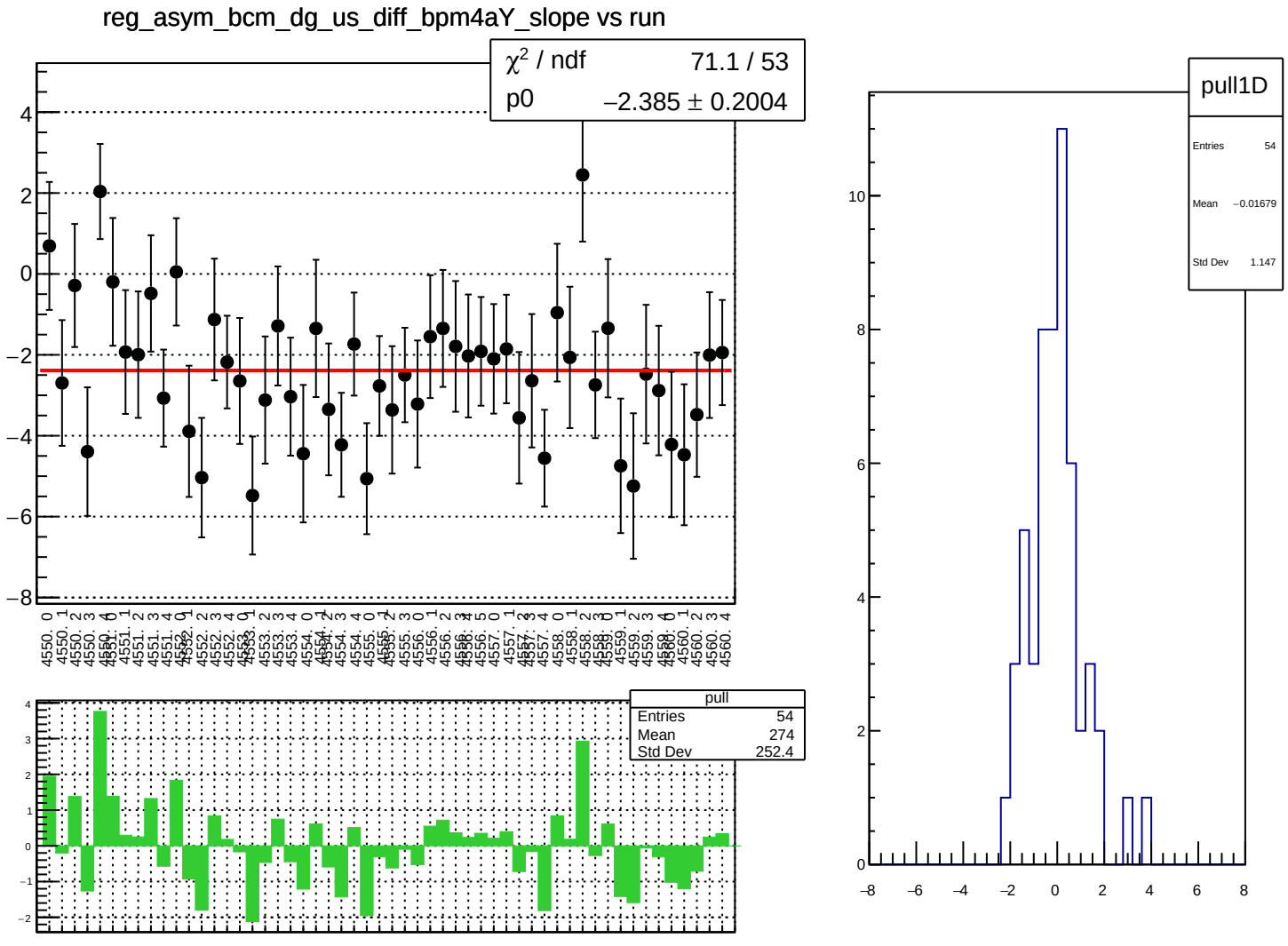

pull1D
Entries 54
Mean 0.05556
Std Dev 1.25

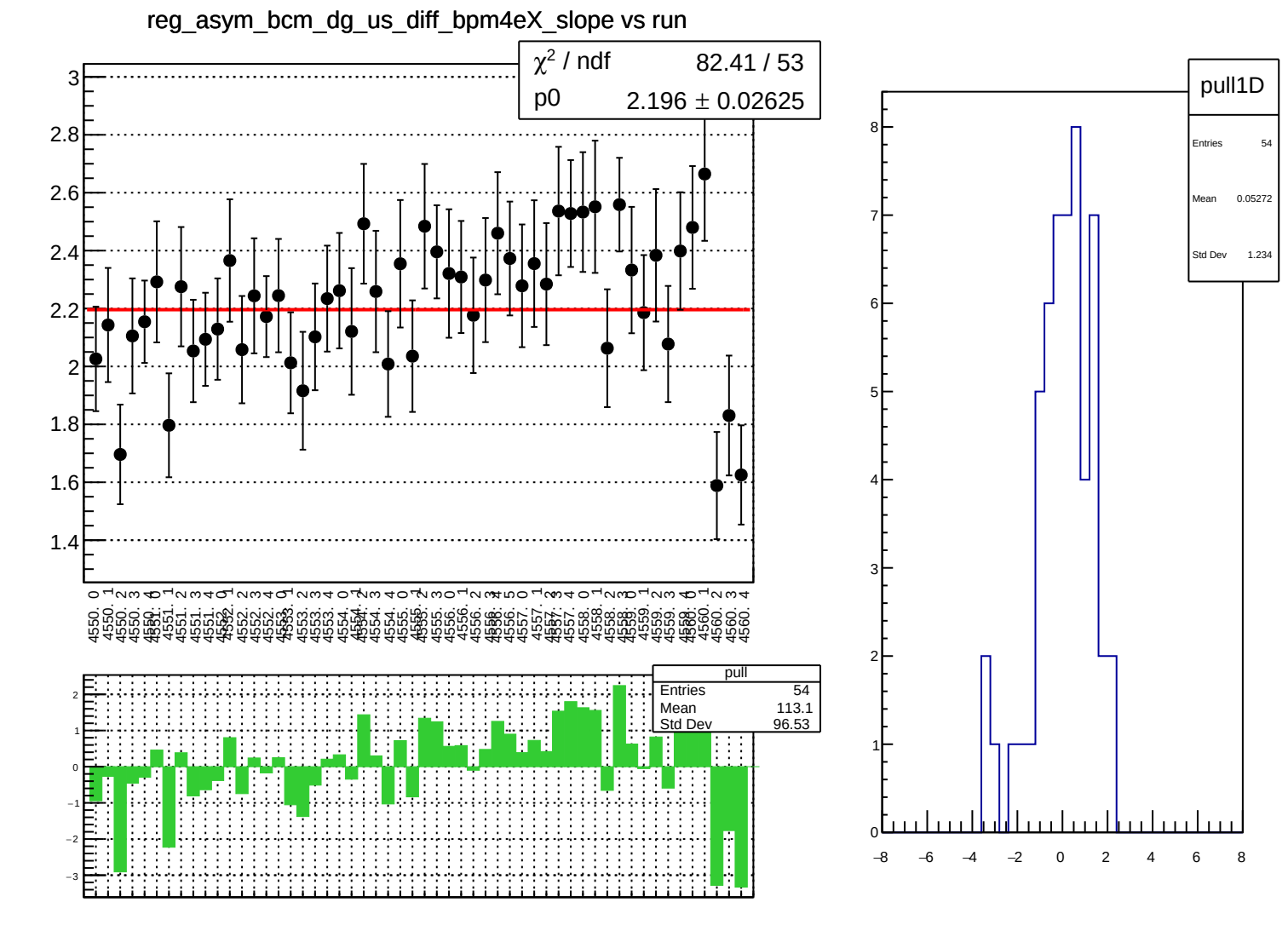

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 73.64 / 53
p0 3.428 ± 0.2817
pull
Entries 54
Mean 225.9
Std Dev 202.7

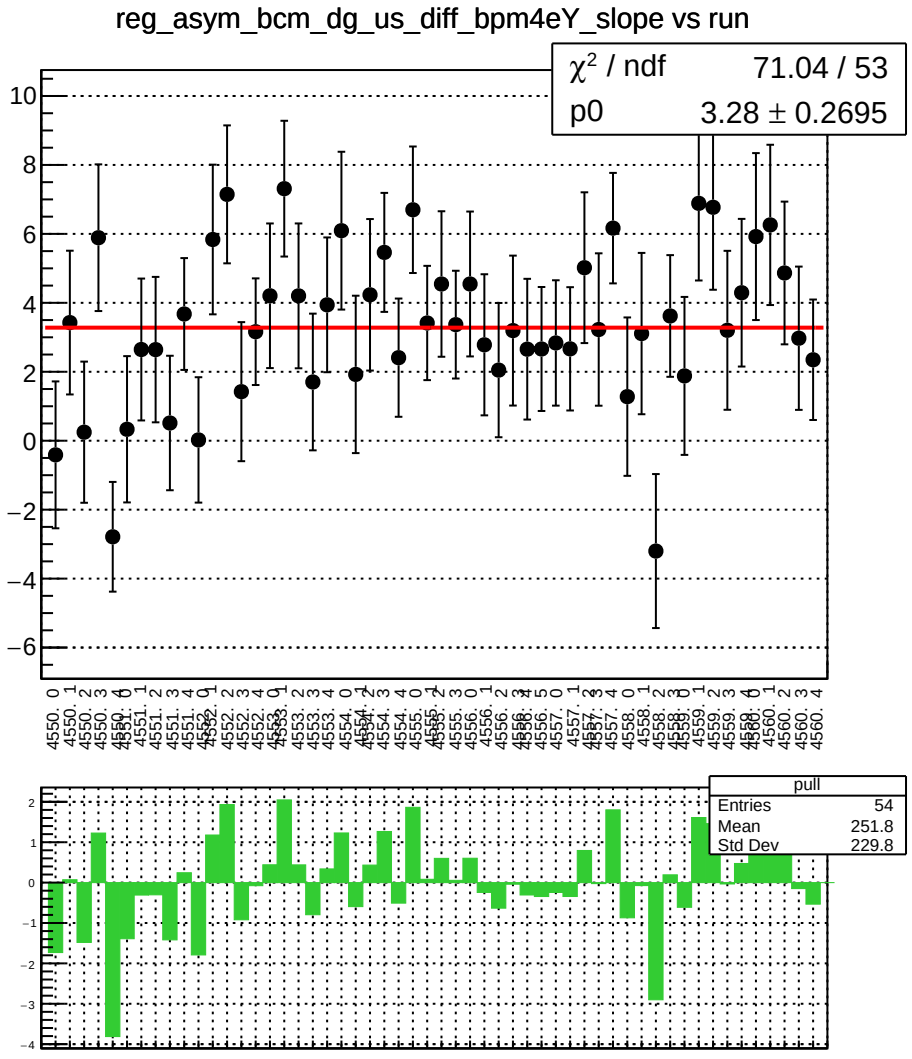

pull1D
Entries 54
Mean 0.02065
Std Dev 1.168

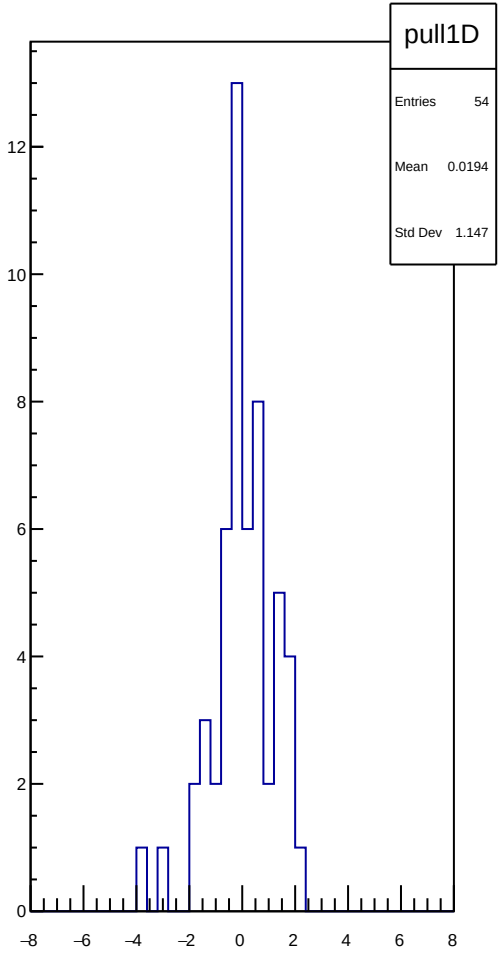

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 60 / 53
p0 0.9227 ± 0.05582
pull
Entries 54
Mean 174
Std Dev 152.6
pull1D
Entries 54
Mean 0.01979
Std Dev 1.054

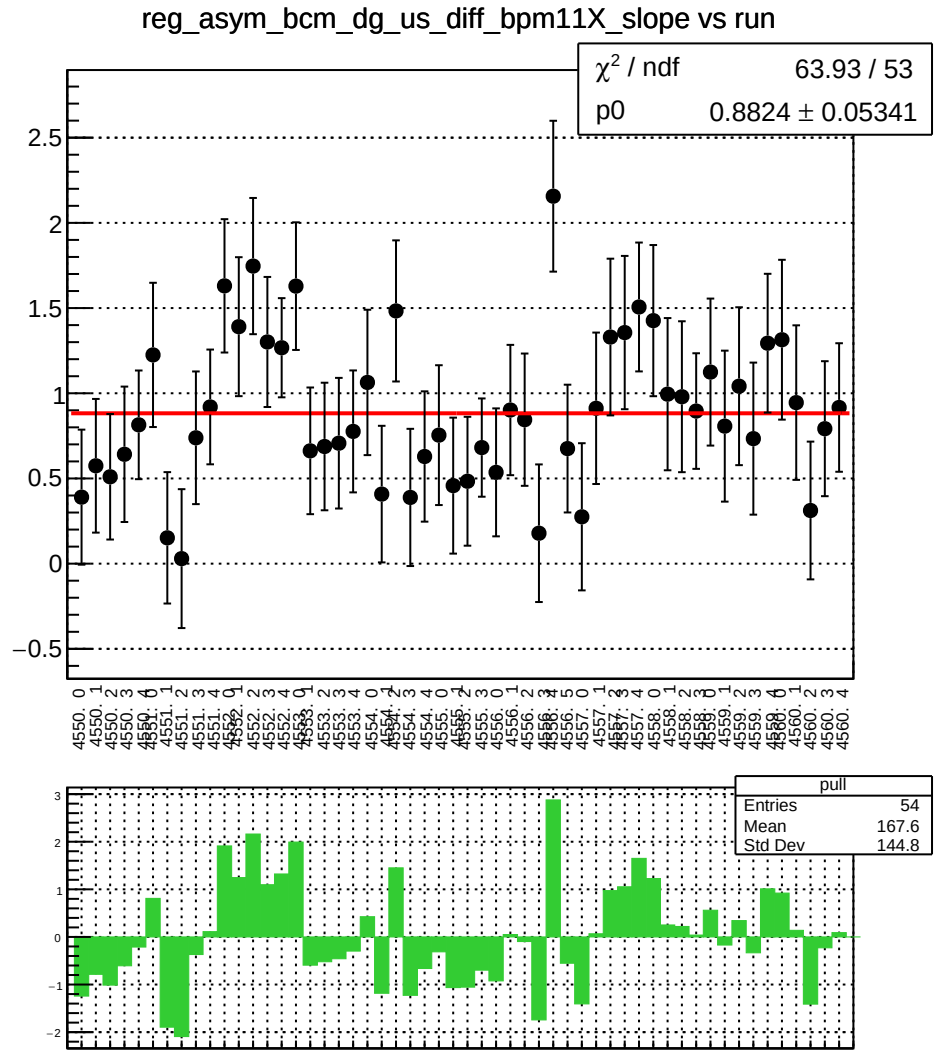

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 145.8 / 53
p0 −4.144 ± 0.1588
pull
Entries 54
Mean 16.54
Std Dev 23.62
pull1D
Entries 54
Mean −0.07423
Std Dev 1.641

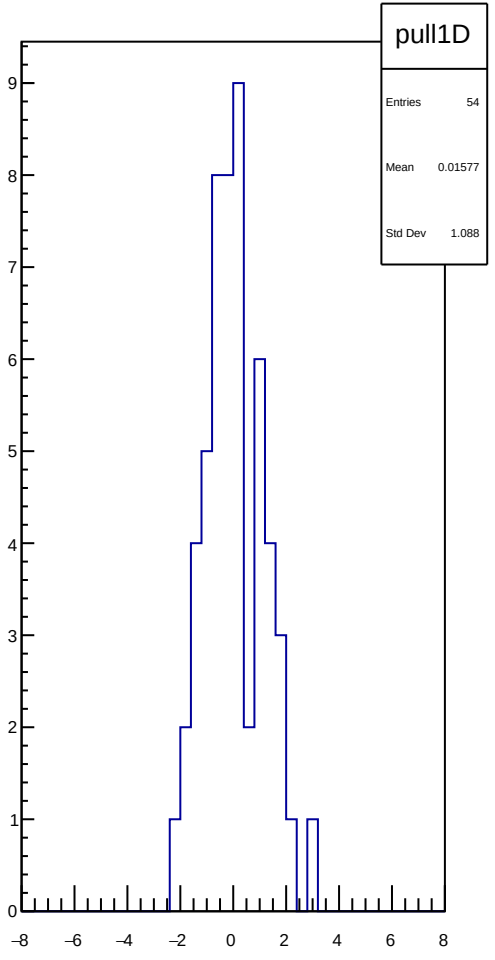

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 71.1 / 53
p0 −2.385 ± 0.2004
pull
Entries 54
Mean 274
Std Dev 252.4
pull1D
Entries 54
Mean −0.01679
Std Dev 1.147

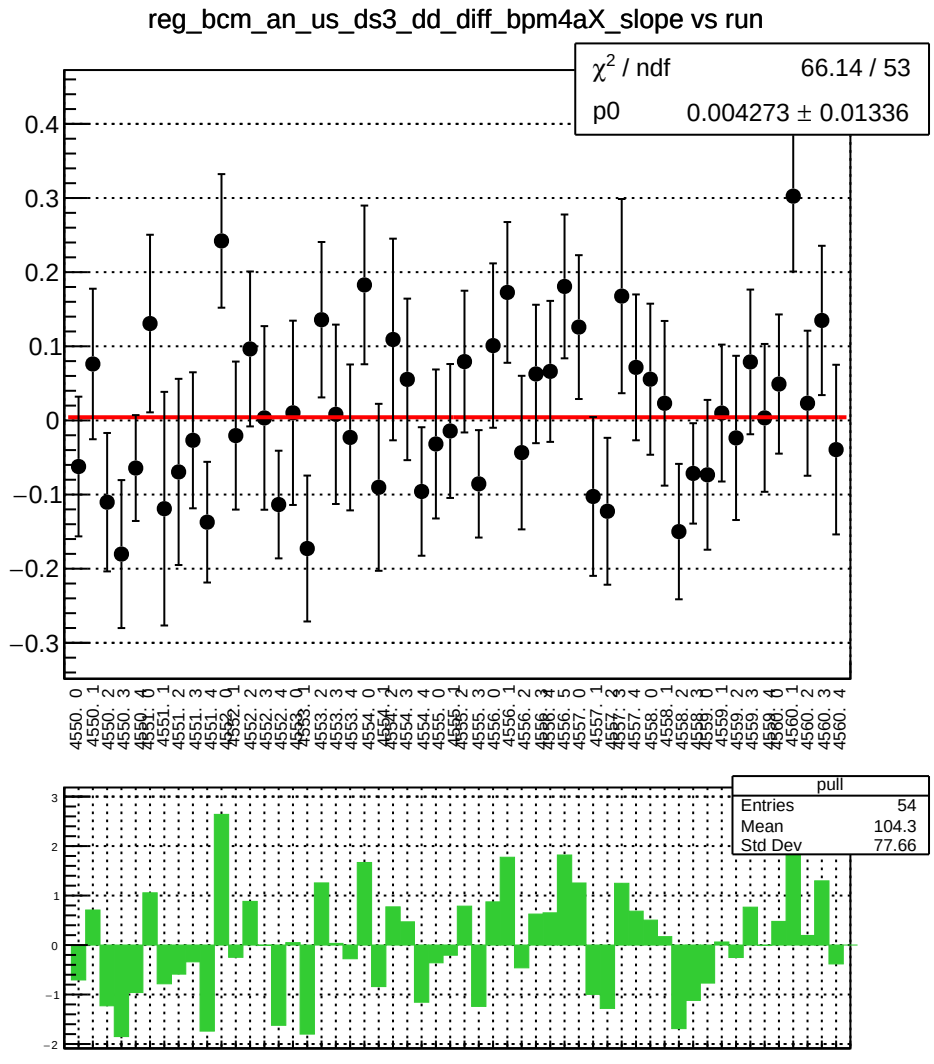

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 82.41 / 53
p0 2.196 ± 0.02625
pull
Entries 54
Mean 113.1
Std Dev 96.53
pull1D
Entries 54
Mean 0.05272
Std Dev 1.234

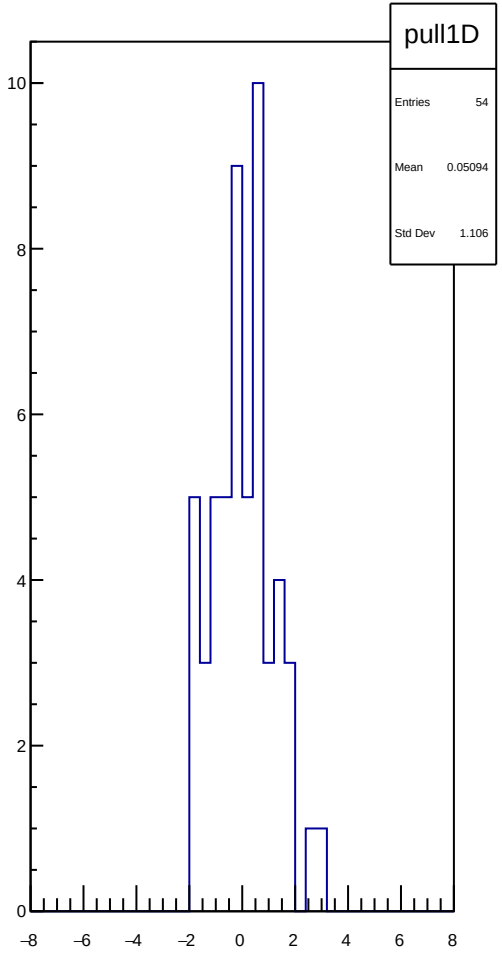

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 71.04 / 53
p0 3.28 ± 0.2695
pull
Entries 54
Mean 251.8
Std Dev 229.8

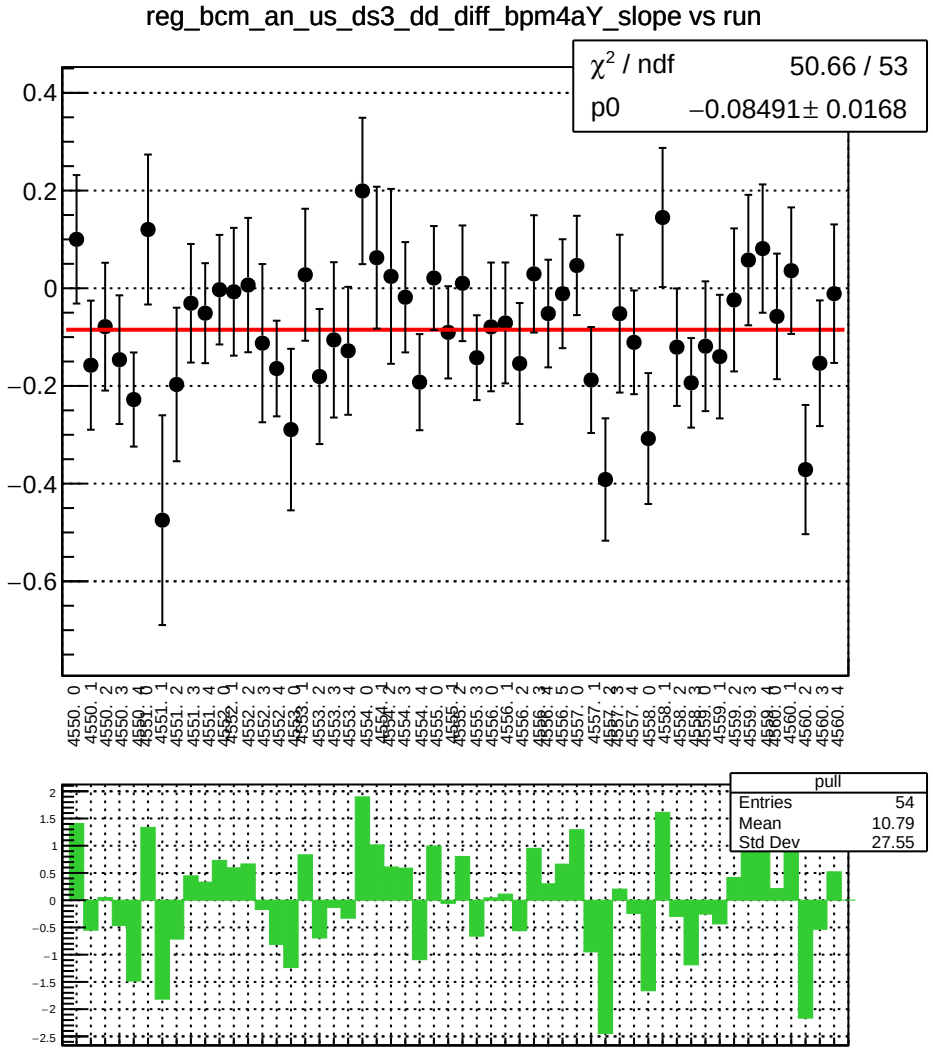

pull1D
Entries 54
Mean 0.0194
Std Dev 1.147

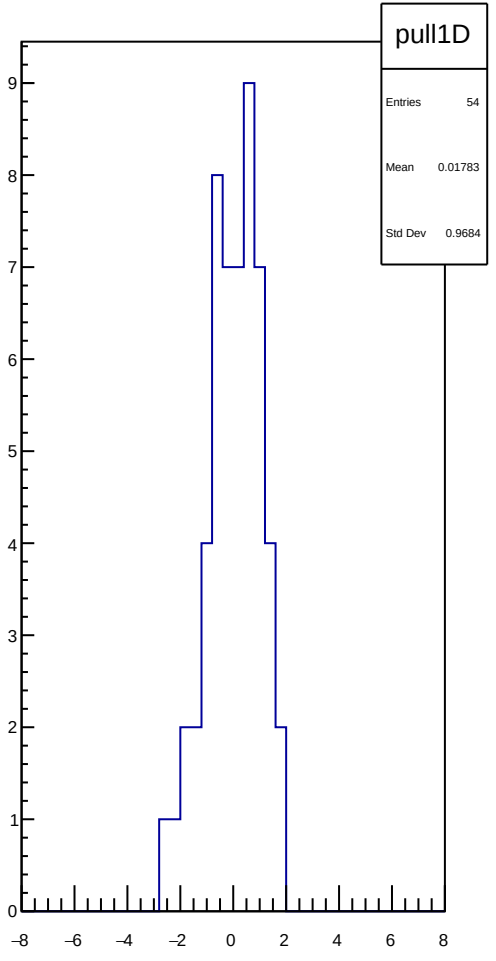

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 63.93 / 53
p0 0.8824 ± 0.05341
pull
Entries 54
Mean 167.6
Std Dev 144.8

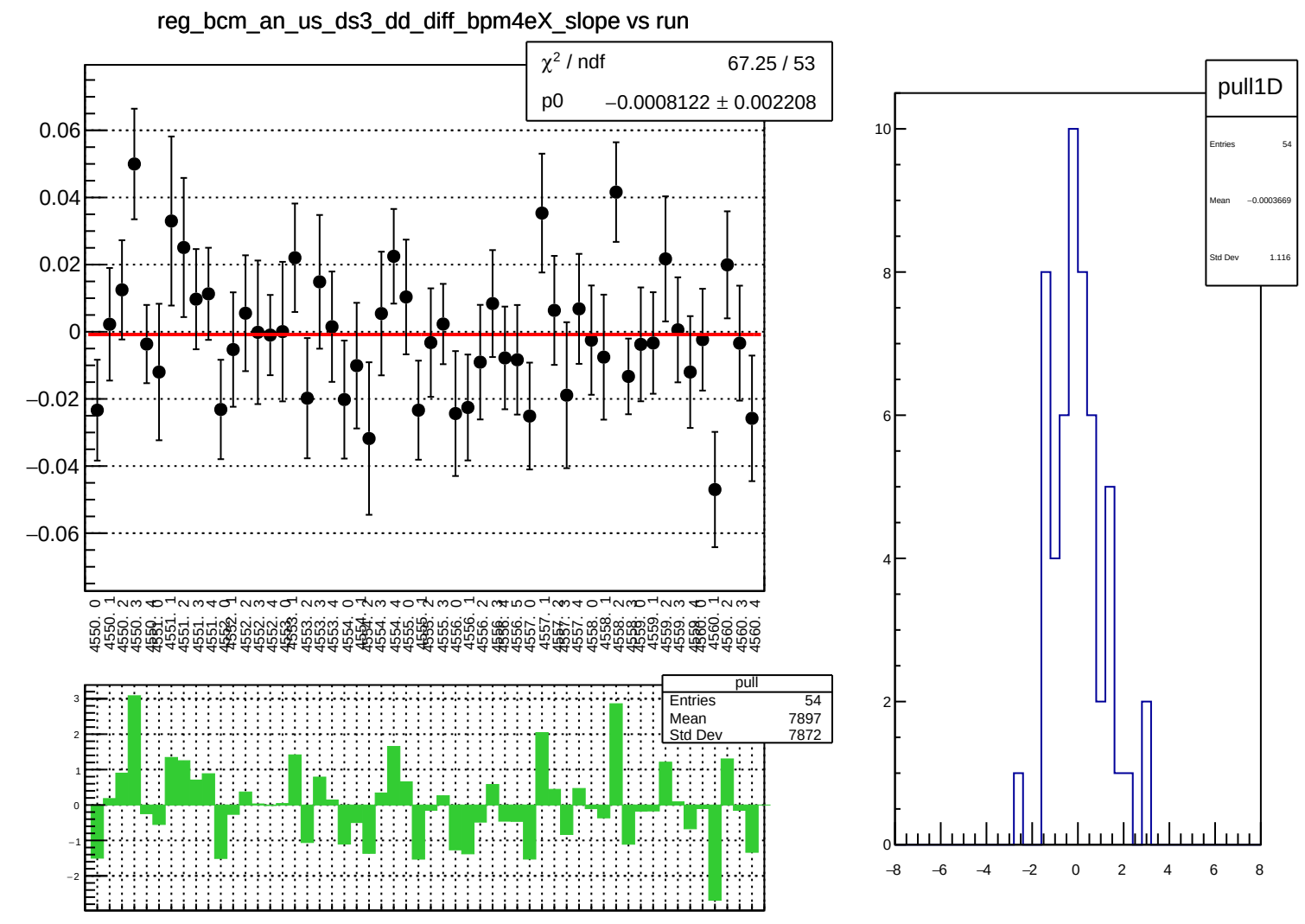

pull1D
Entries 54
Mean 0.01577
Std Dev 1.088

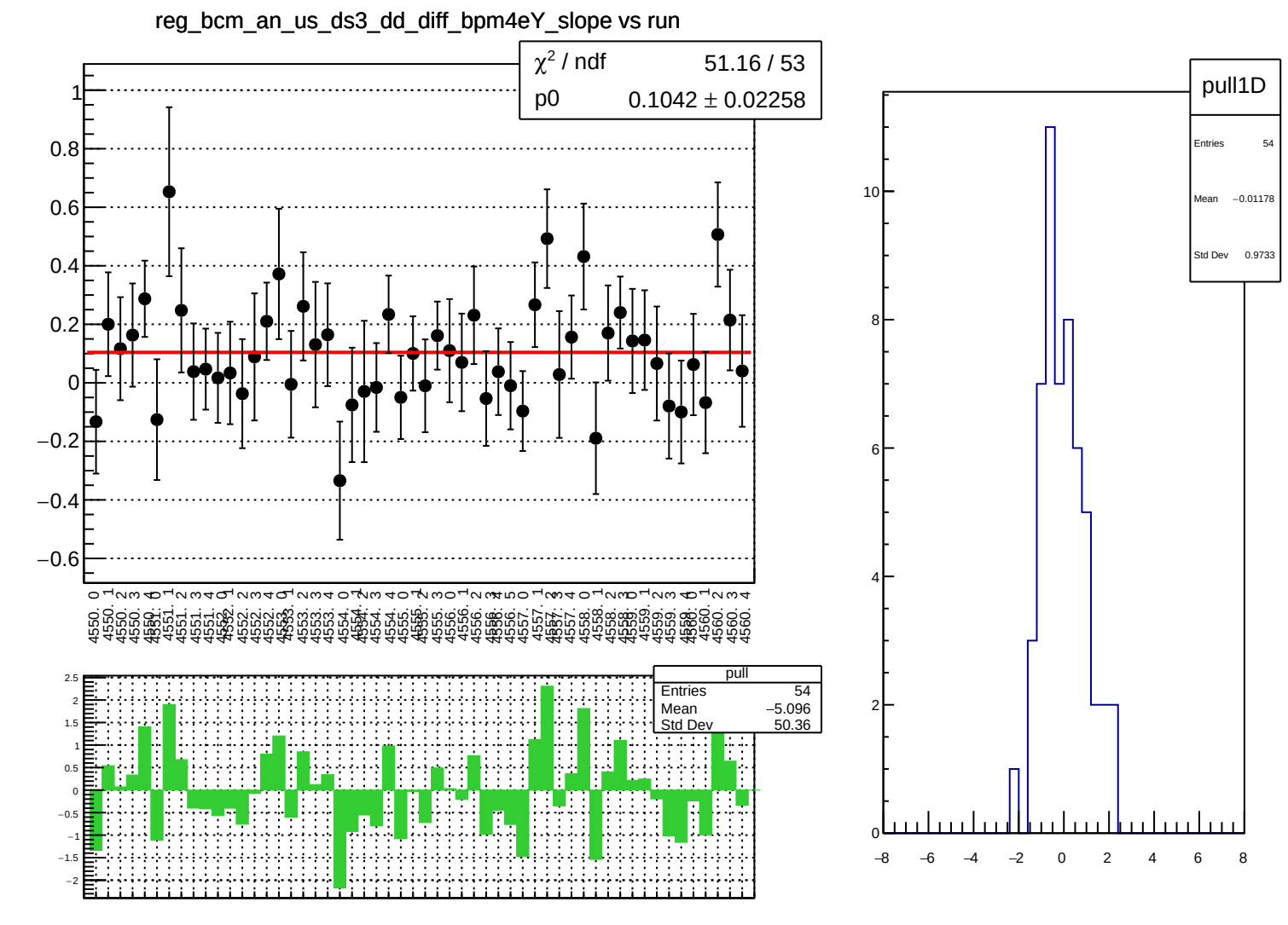

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 66.14 / 53
p0 0.004273 ± 0.01336
pull
Entries 54
Mean 104.3
Std Dev 77.66

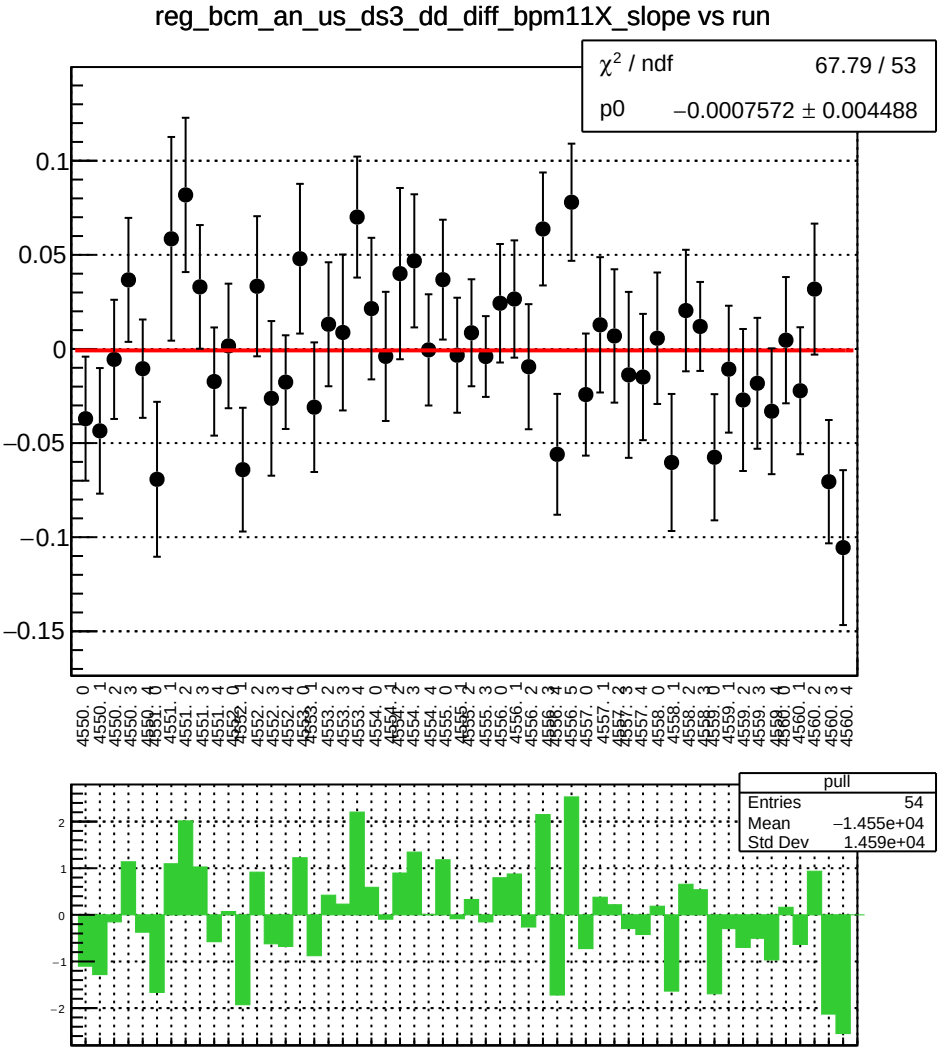

pull1D
Entries 54
Mean 0.05094
Std Dev 1.106

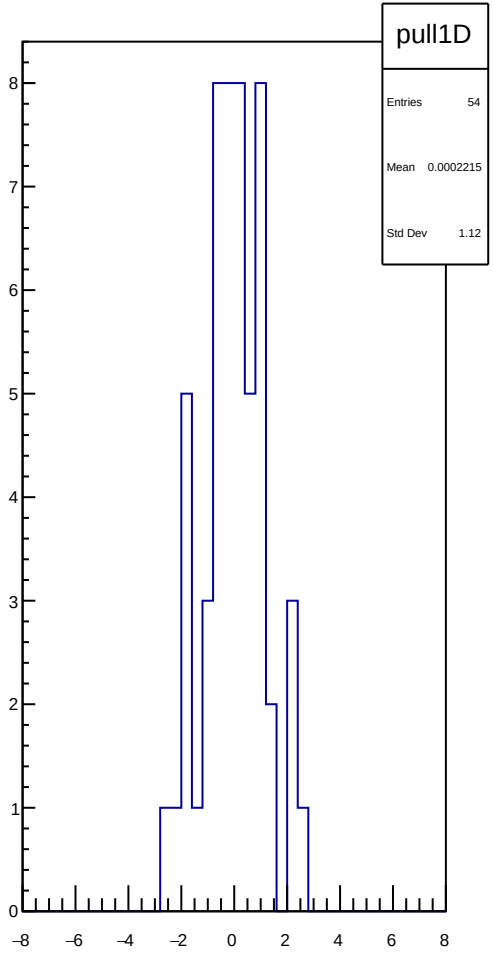

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.66 / 53
p0 −0.08491 ± 0.0168
pull
Entries 54
Mean 10.79
Std Dev 27.55

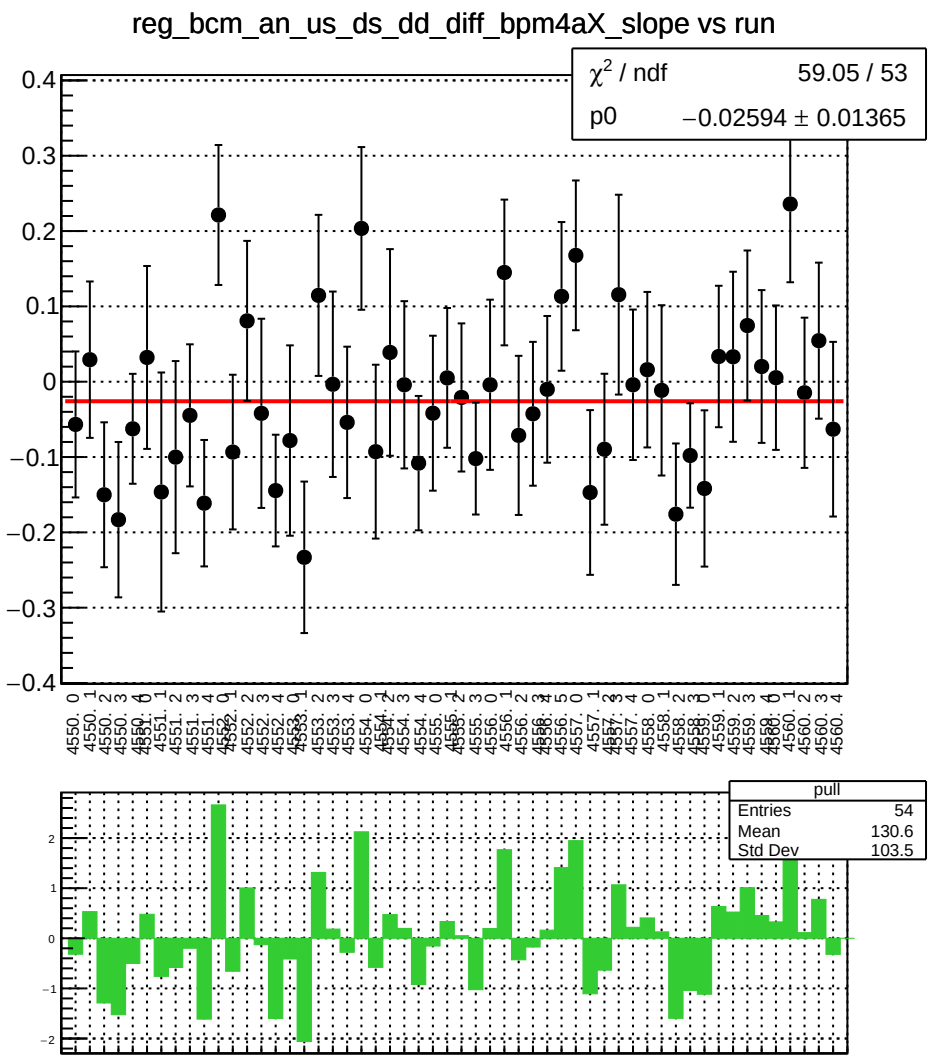

pull1D
Entries 54
Mean 0.01783
Std Dev 0.9684

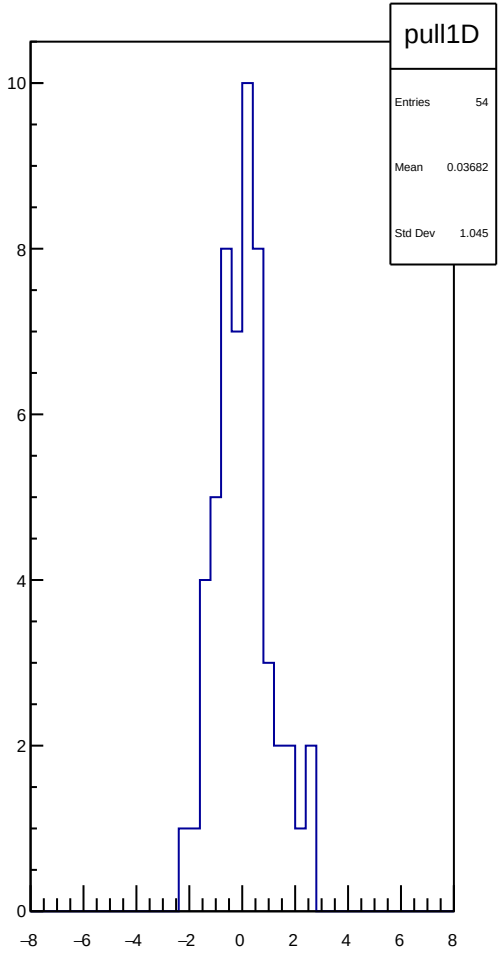

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.25 / 53
p0 −0.0008122 ± 0.002208
pull
Entries 54
Mean 7897
Std Dev 7872
pull1D
Entries 54
Mean −0.0003669
Std Dev 1.116

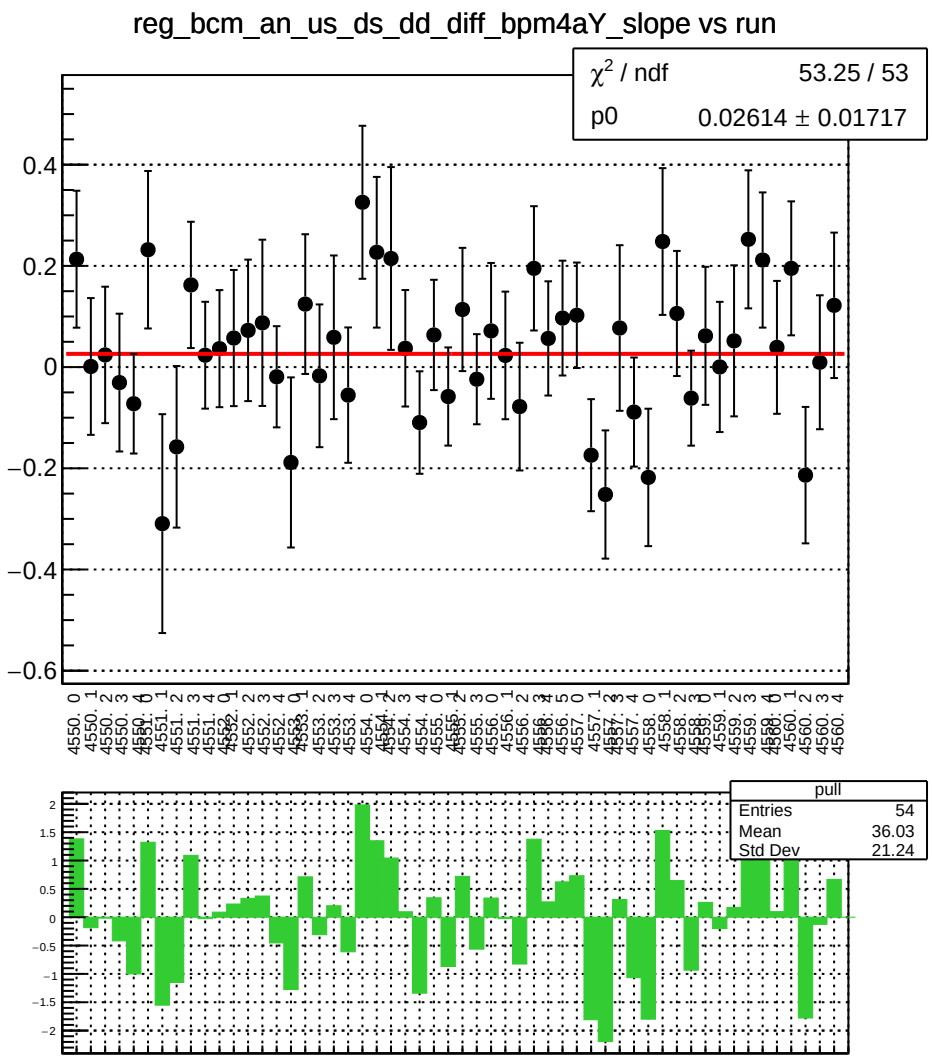

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.16 / 53
p0 0.1042 ± 0.02258
pull
Entries 54
Mean −5.096
Std Dev 50.36
pull1D
Entries 54
Mean −0.01178
Std Dev 0.9733

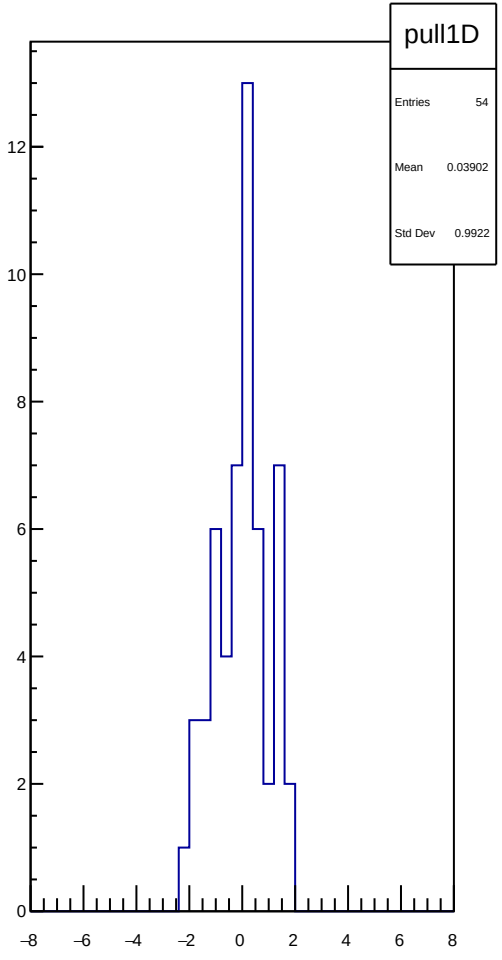

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 67.79 / 53
p0 −0.0007572 ± 0.004488
pull
Entries 54
Mean −1.455e+04
Std Dev 1.459e+04

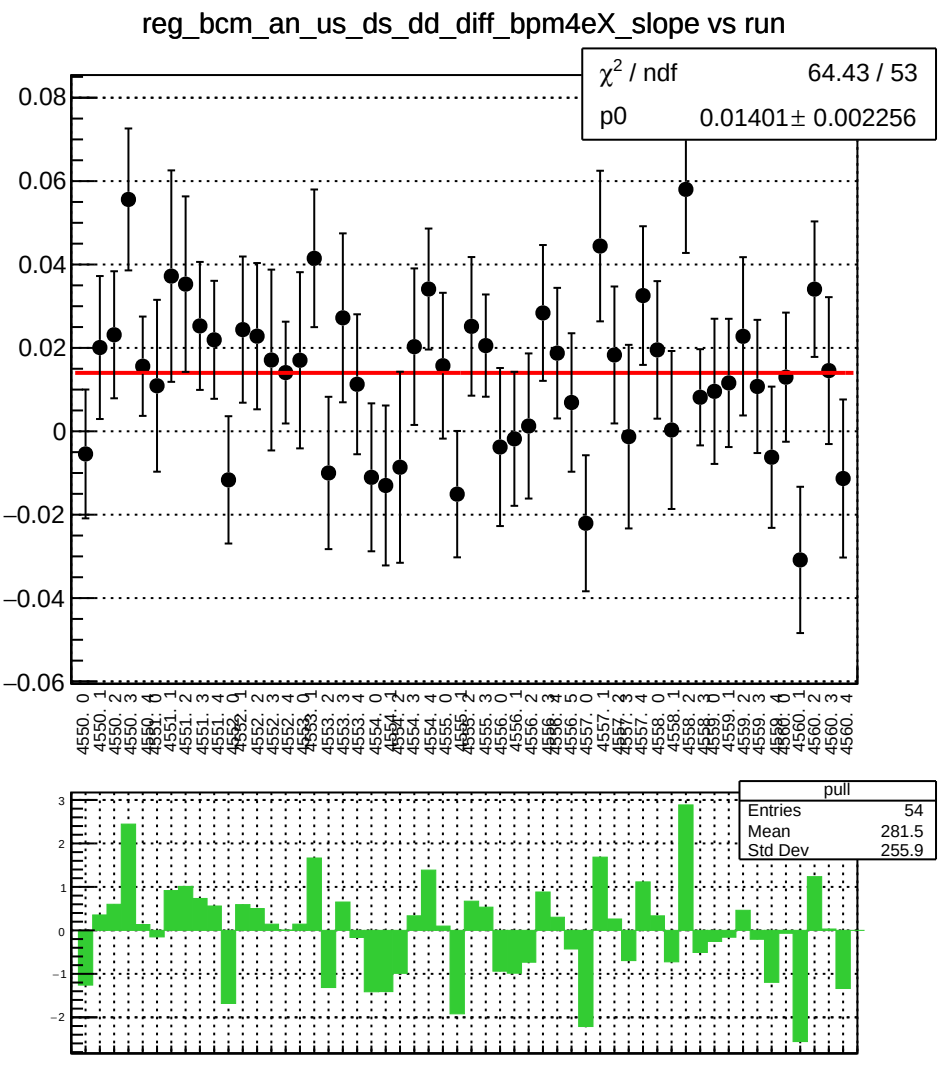

pull1D
Entries 54
Mean 0.0002215
Std Dev 1.12

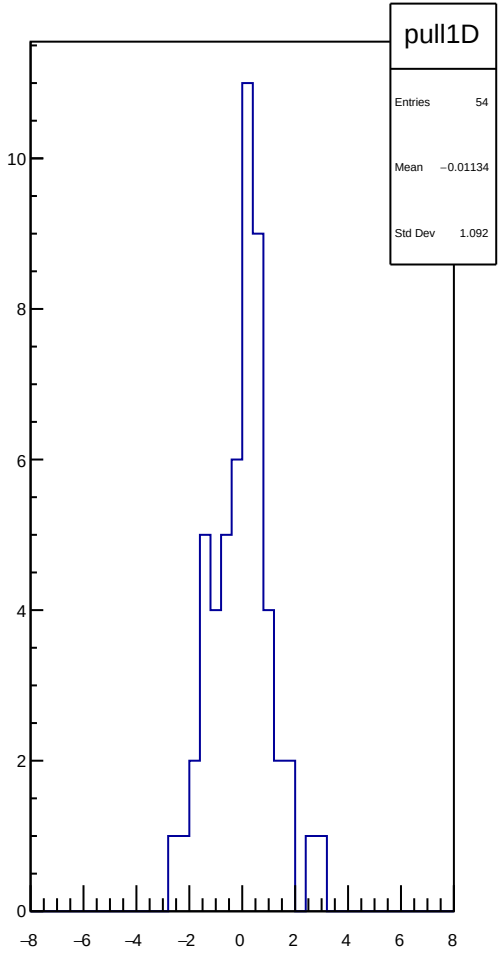

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 59.05 / 53
p0 −0.02594 ± 0.01365
pull
Entries 54
Mean 130.6
Std Dev 103.5

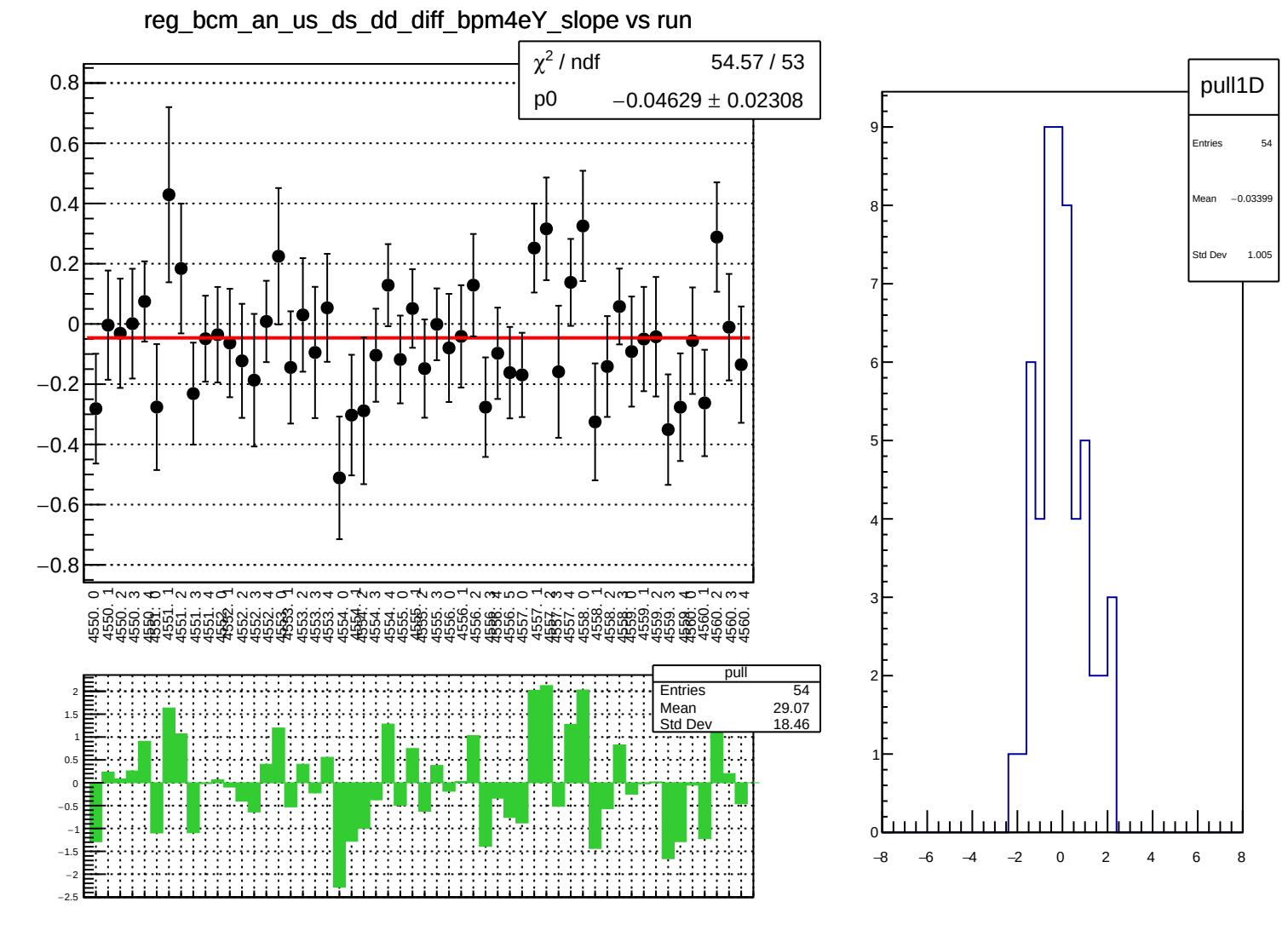

pull1D
Entries 54
Mean 0.03682
Std Dev 1.045

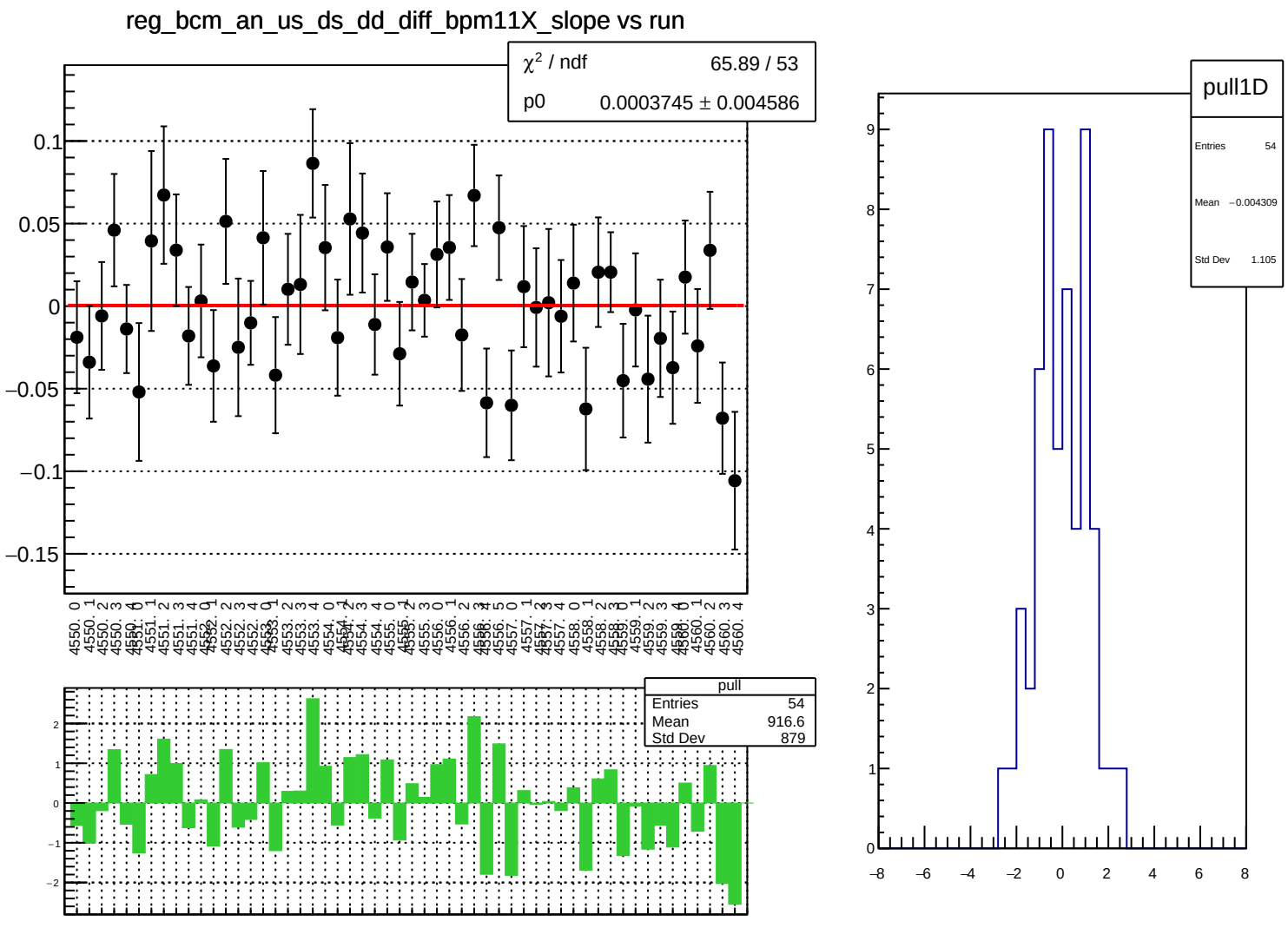

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.25 / 53
p0 0.02614 ± 0.01717
pull
Entries 54
Mean 36.03
Std Dev 21.24

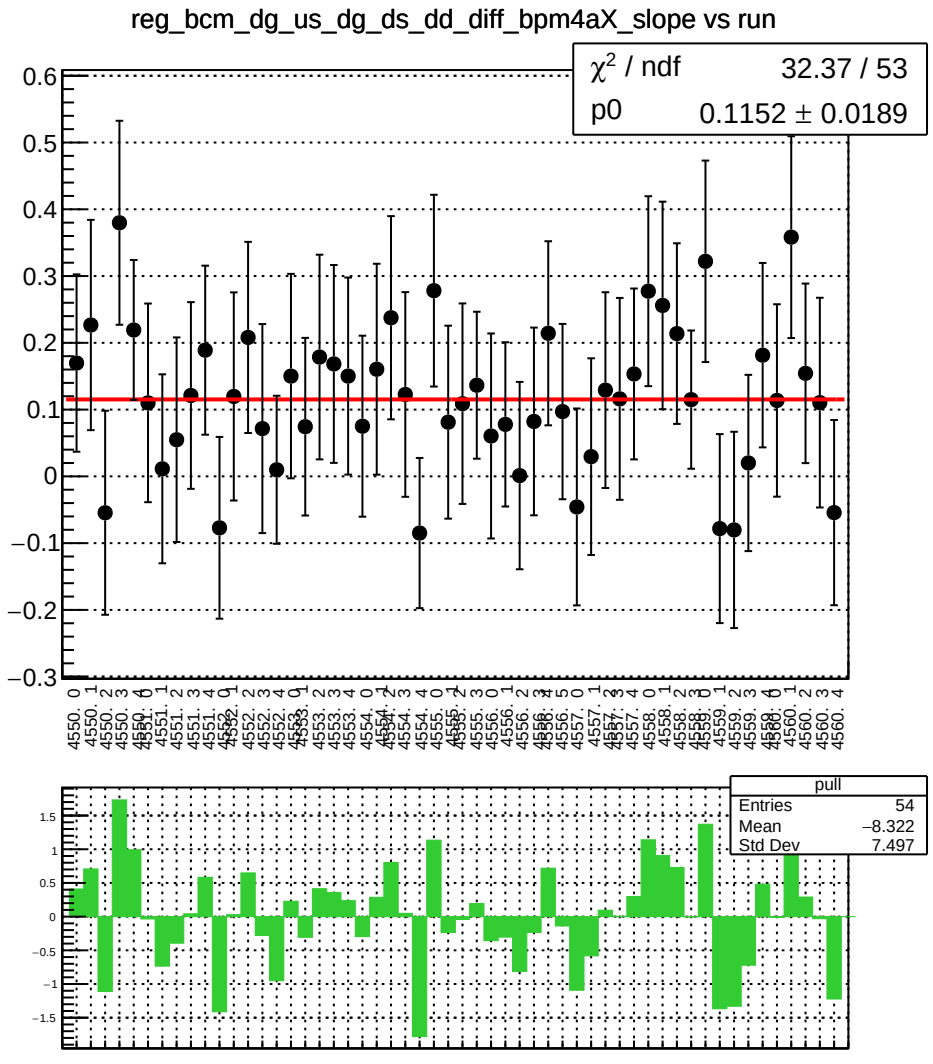

pull1D
Entries 54
Mean 0.03902
Std Dev 0.9922

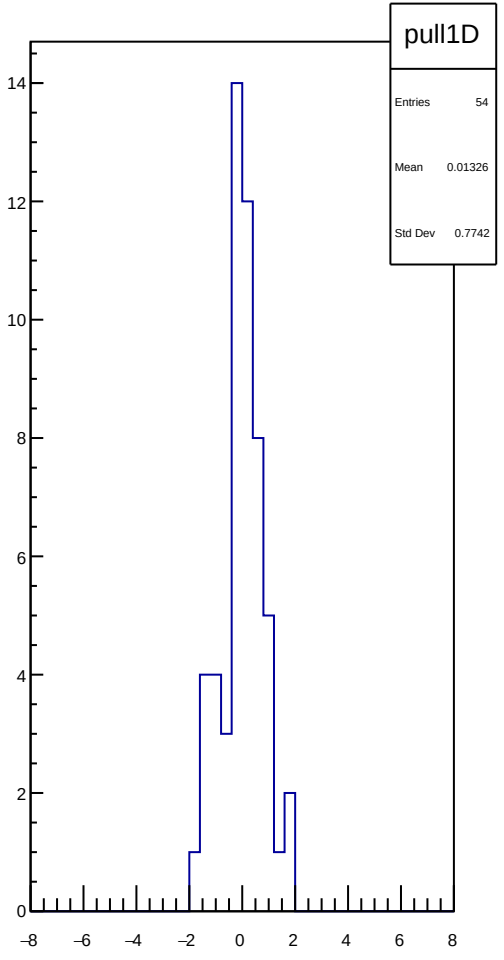

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.43 / 53
p0 0.01401± 0.002256
pull
Entries 54
Mean 281.5
Std Dev 255.9

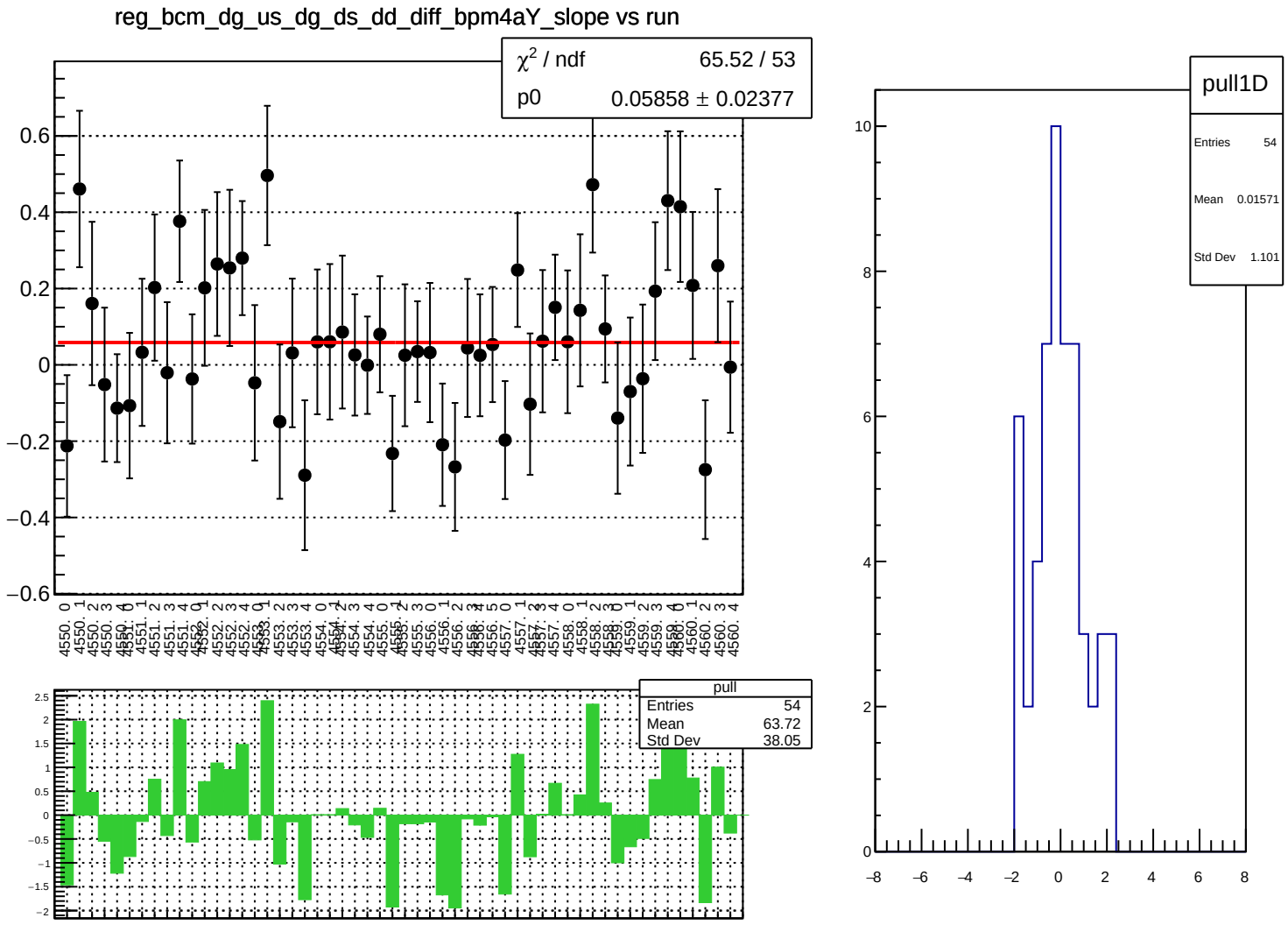

pull1D
Entries 54
Mean −0.01134
Std Dev 1.092

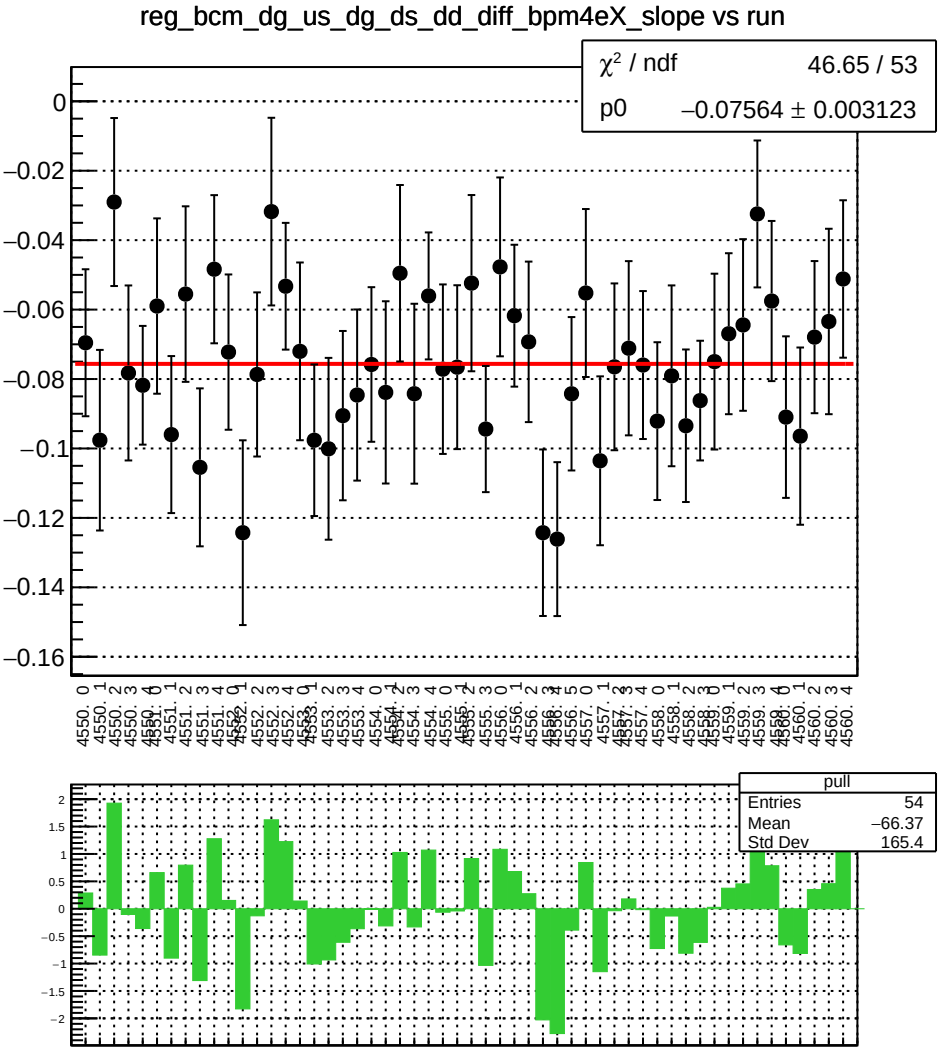

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 54.57 / 53
p0 −0.04629 ± 0.02308
pull
Entries 54
Mean 29.07
Std Dev 18.46
pull1D
Entries 54
Mean −0.03399
Std Dev 1.005

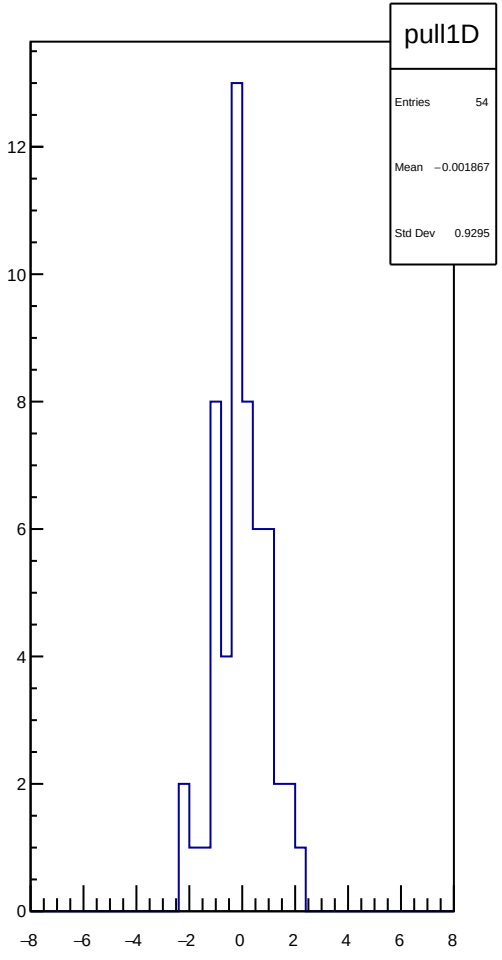

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 65.89 / 53
p0 0.0003745 ± 0.004586
pull
Entries 54
Mean 916.6
Std Dev 879
pull1D
Entries 54
Mean −0.004309
Std Dev 1.105

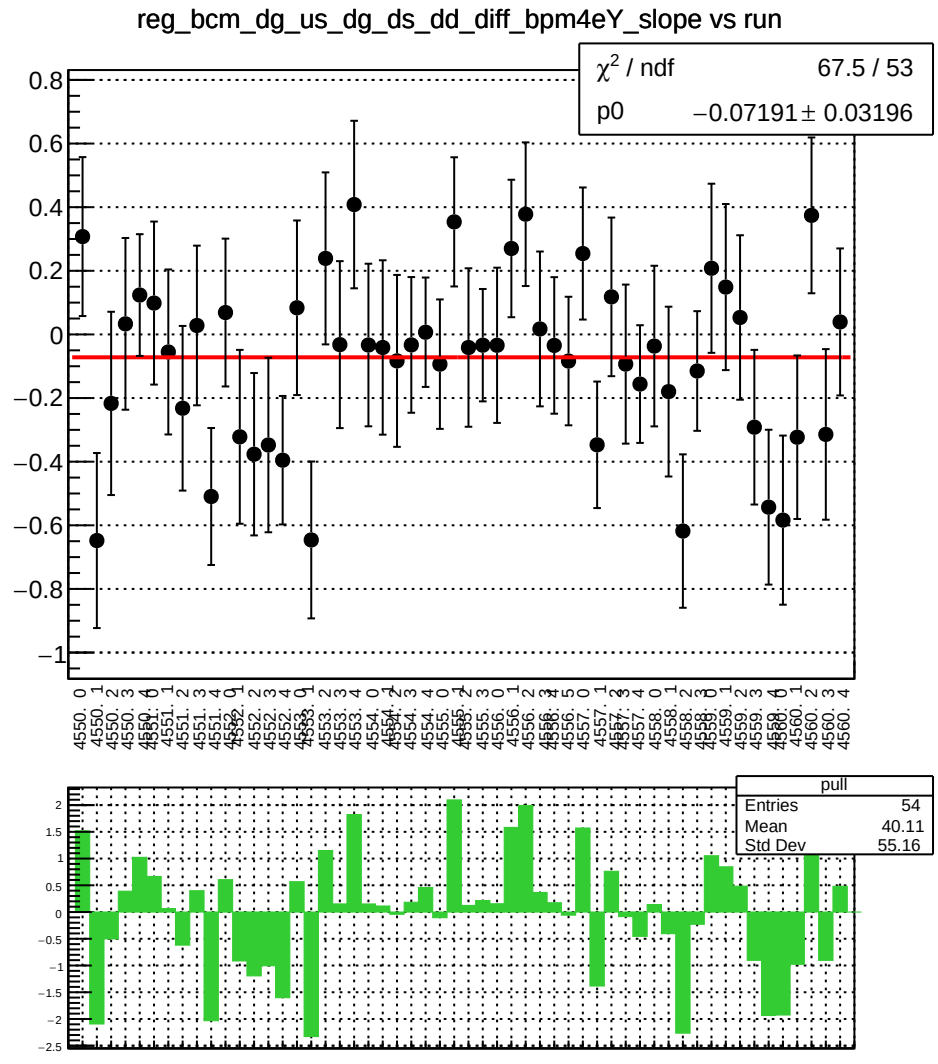

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.37 / 53
p0 0.1152 ± 0.0189
pull
Entries 54
Mean −8.322
Std Dev 7.497

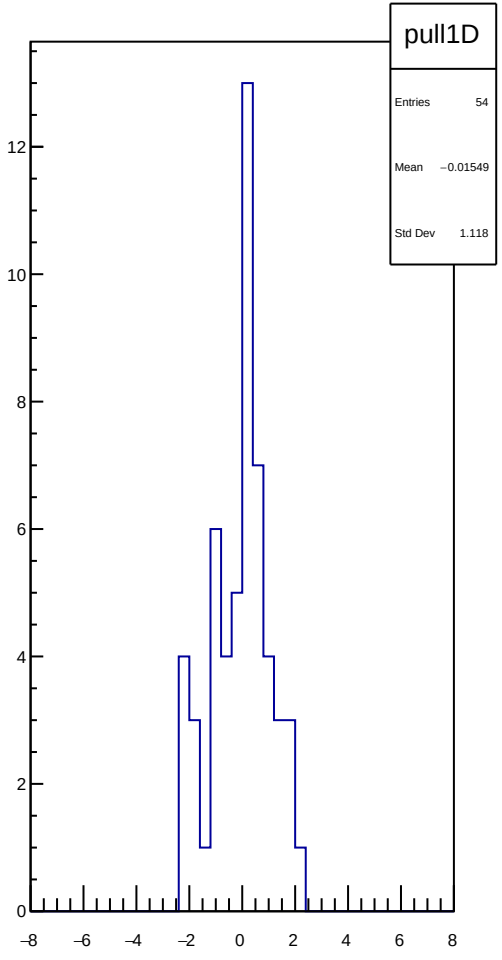

pull1D
Entries 54
Mean 0.01326
Std Dev 0.7742

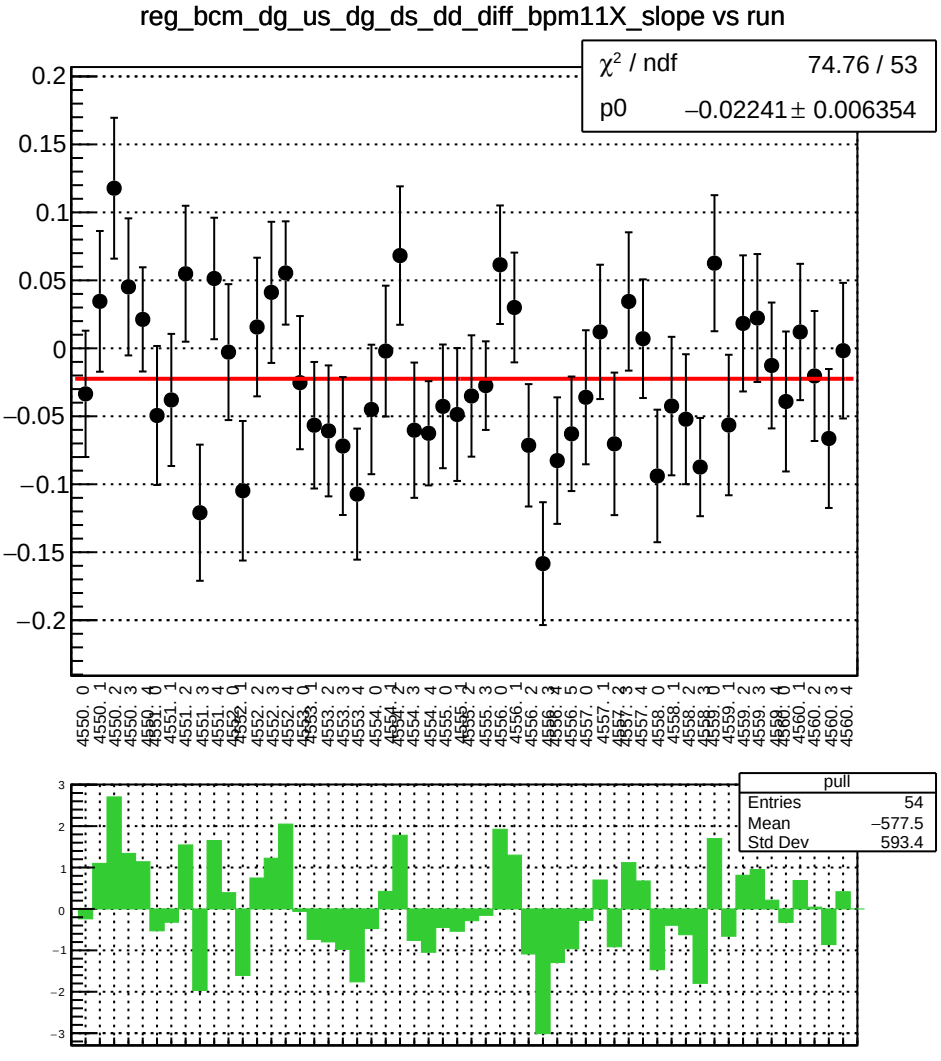

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.52 / 53
p0 0.05858 ± 0.02377
pull
Entries 54
Mean 63.72
Std Dev 38.05
pull1D
Entries 54
Mean 0.01571
Std Dev 1.101

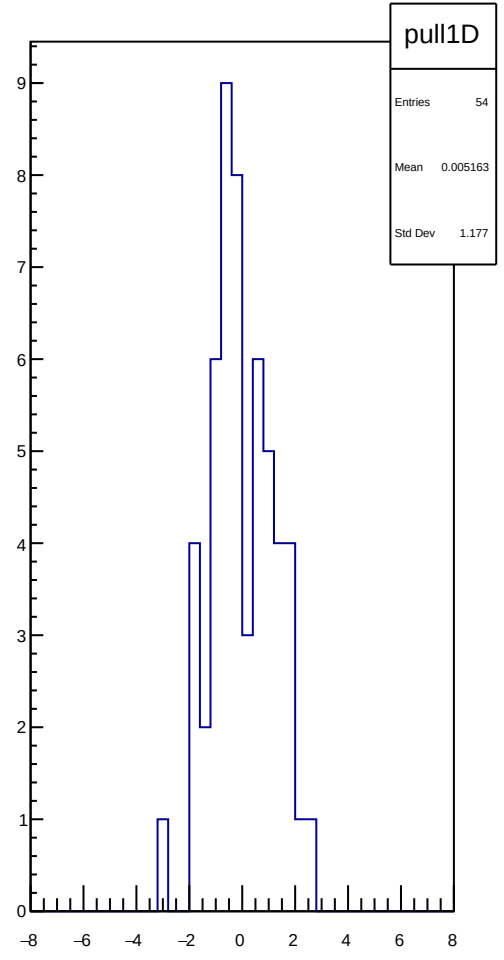

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.65 / 53
p0 −0.07564 ± 0.003123
pull
Entries 54
Mean −66.37
Std Dev 165.4

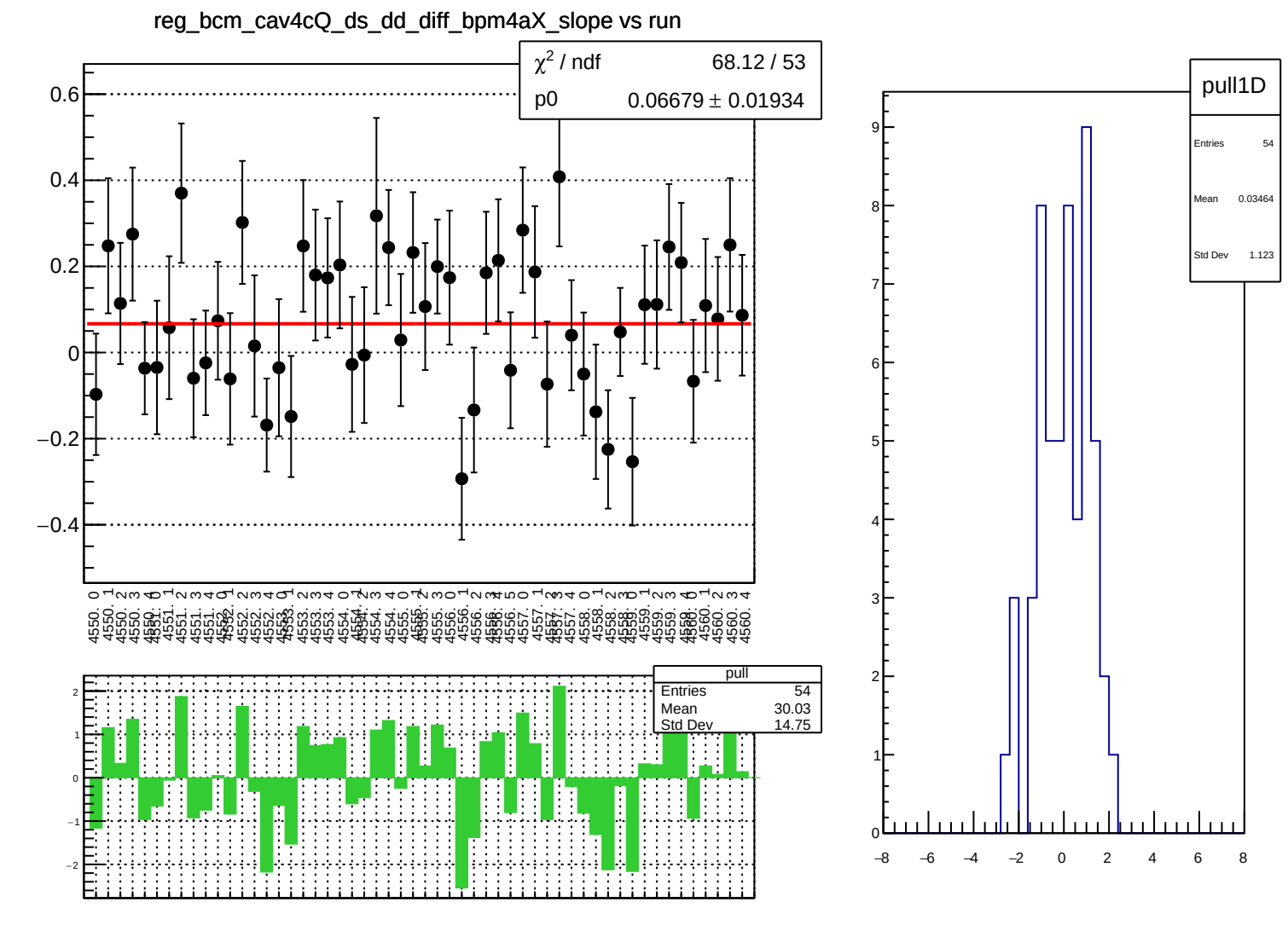

pull1D
Entries 54
Mean −0.001867
Std Dev 0.9295

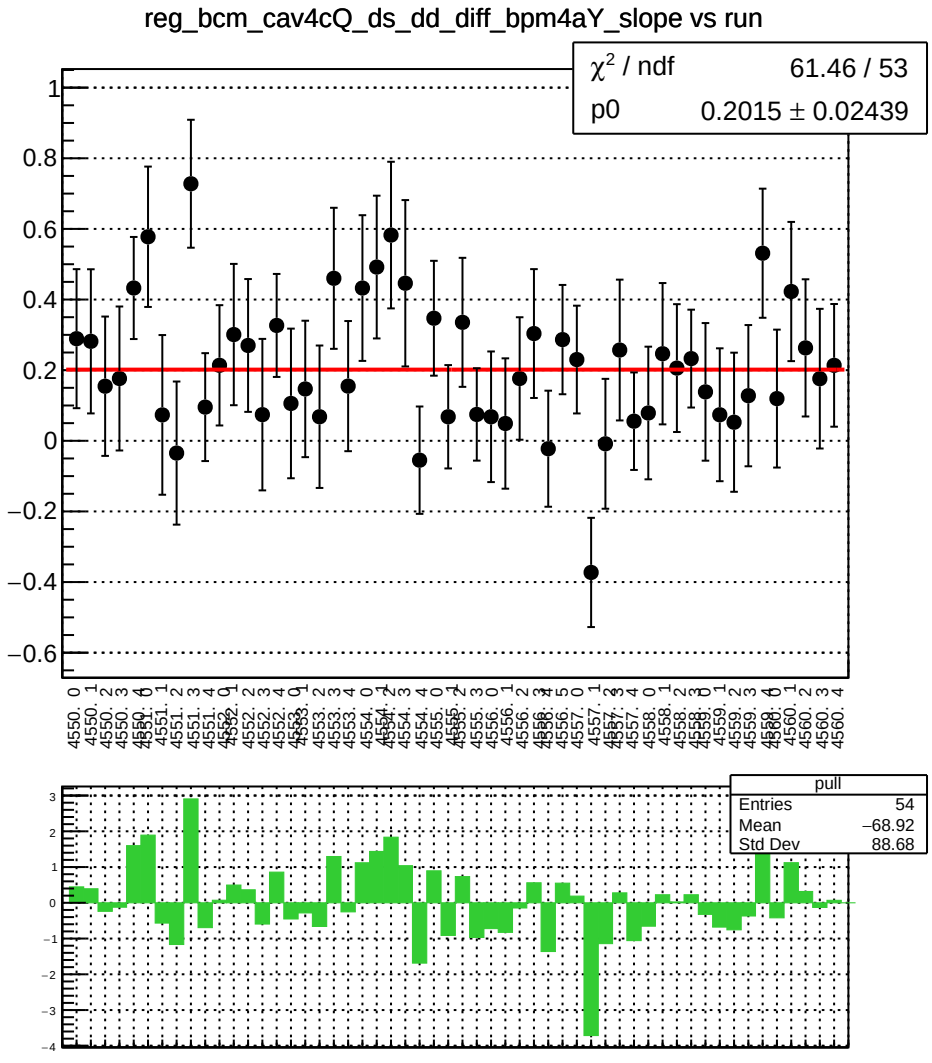

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.5 / 53
p0 −0.07191 ± 0.03196
pull
Entries 54
Mean 40.11
Std Dev 55.16

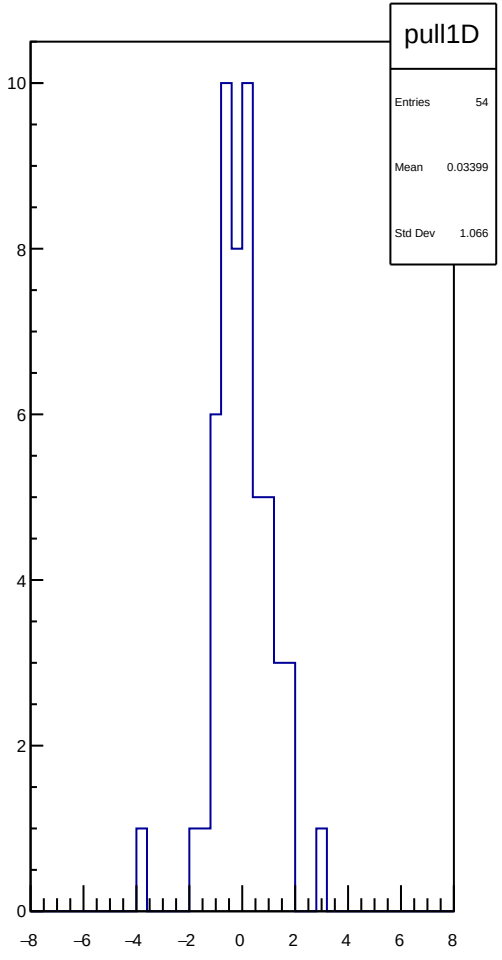

pull1D
Entries 54
Mean −0.01549
Std Dev 1.118

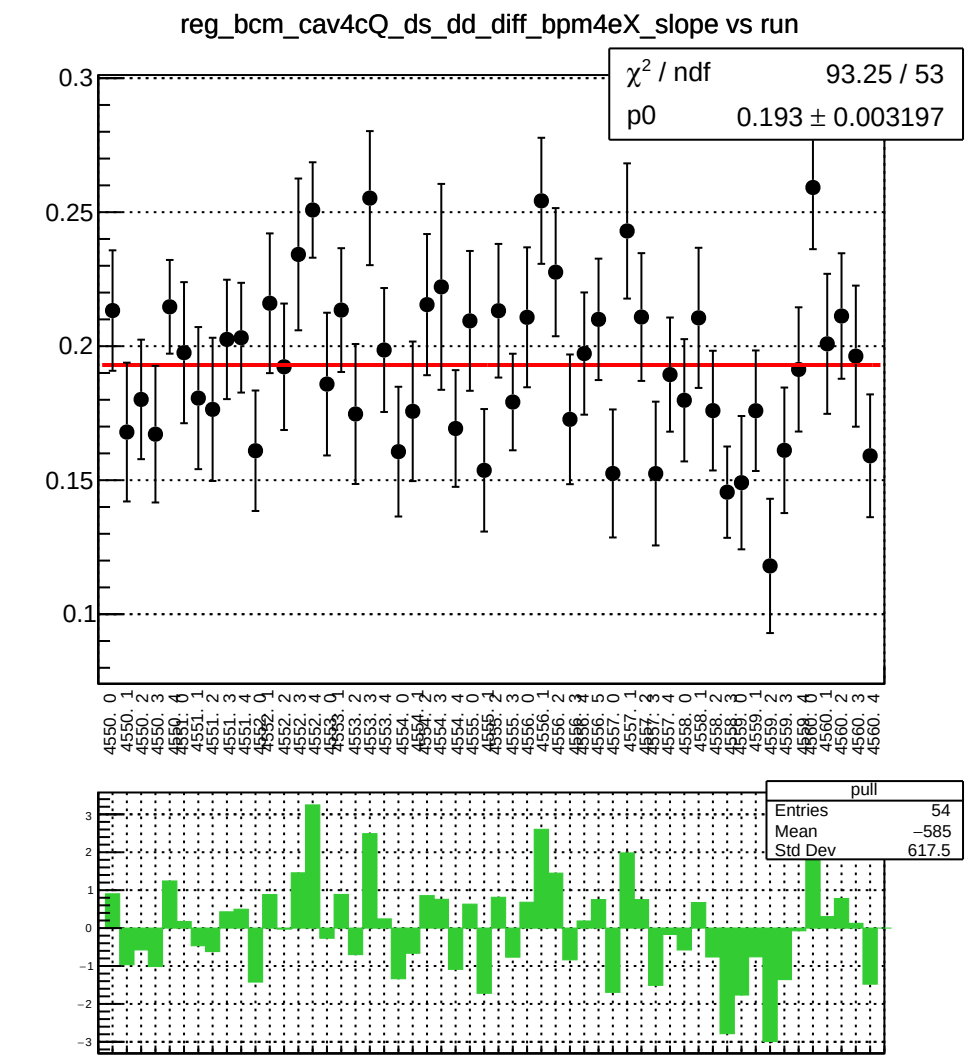

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 74.76 / 53
p0 −0.02241 ± 0.006354
pull
Entries 54
Mean −577.5
Std Dev 593.4

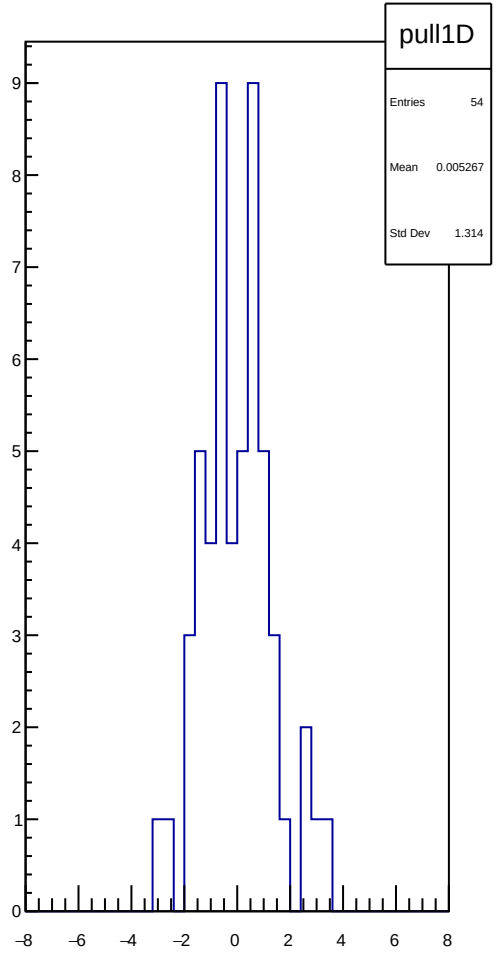

pull1D
Entries 54
Mean 0.005163
Std Dev 1.177

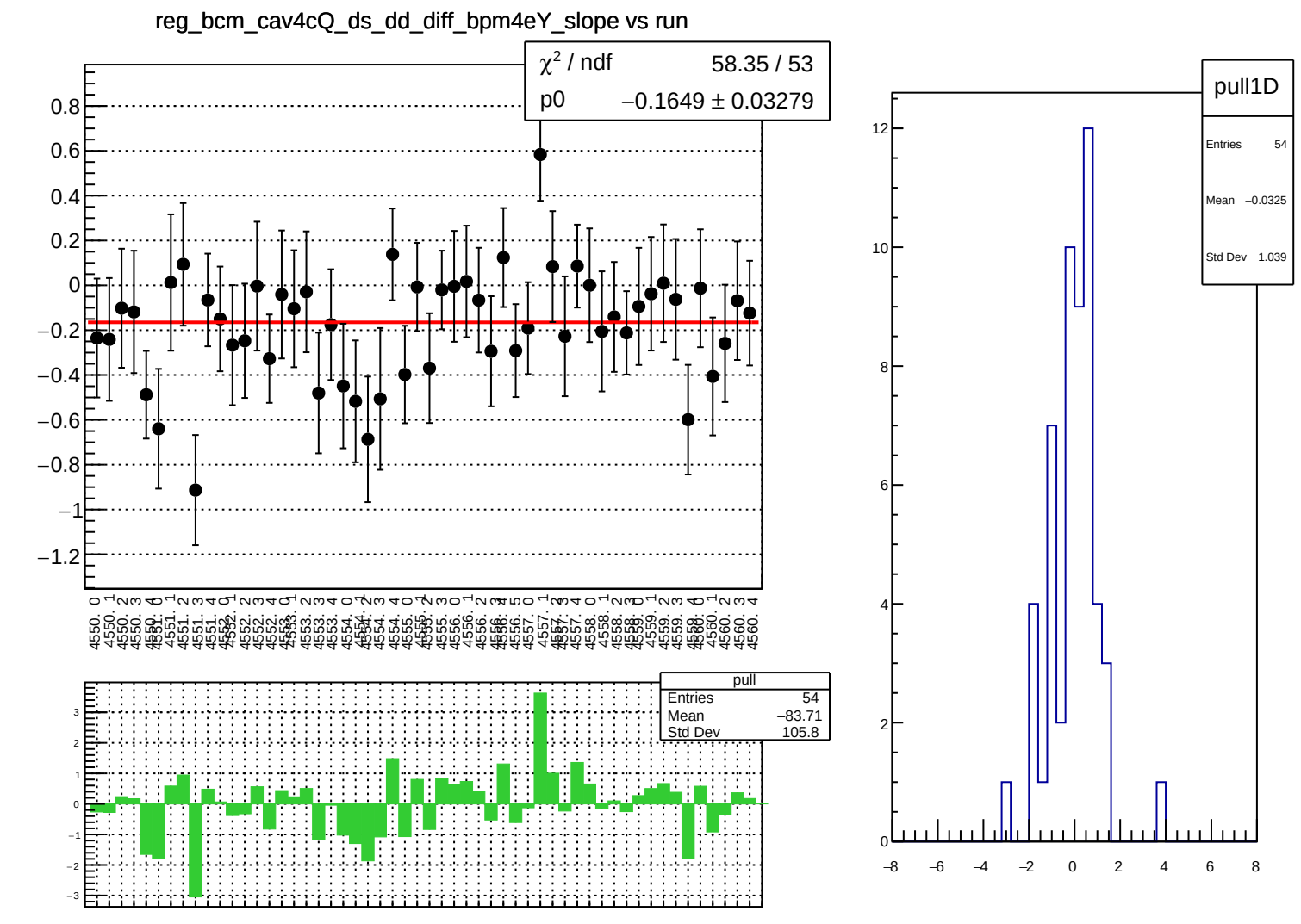

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 68.12 / 53
p0 0.06679 ± 0.01934
pull
Entries 54
Mean 30.03
Std Dev 14.75
pull1D
Entries 54
Mean 0.03464
Std Dev 1.123

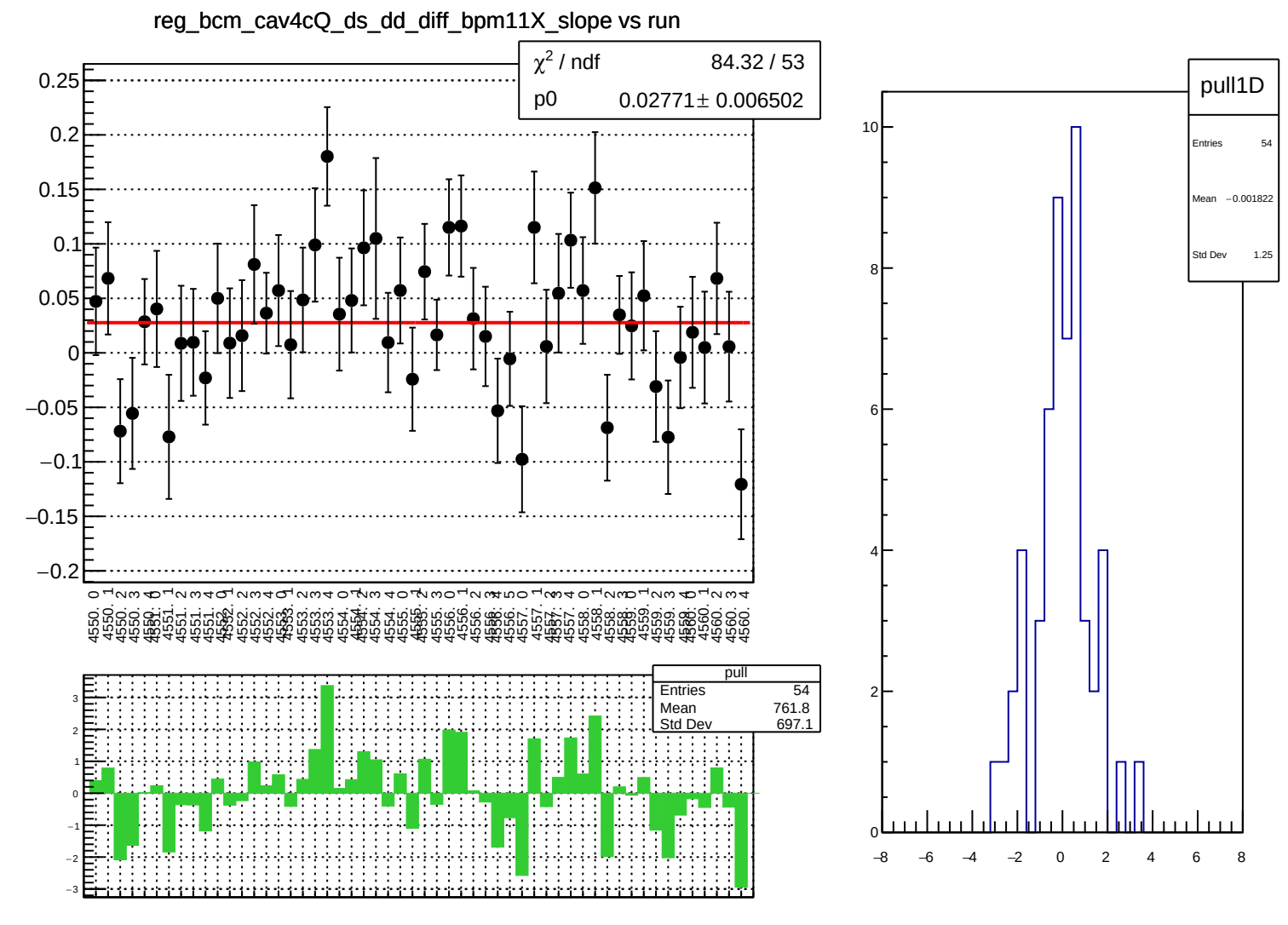

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.46 / 53
p0 0.2015 ± 0.02439
pull
Entries 54
Mean −68.92
Std Dev 88.68

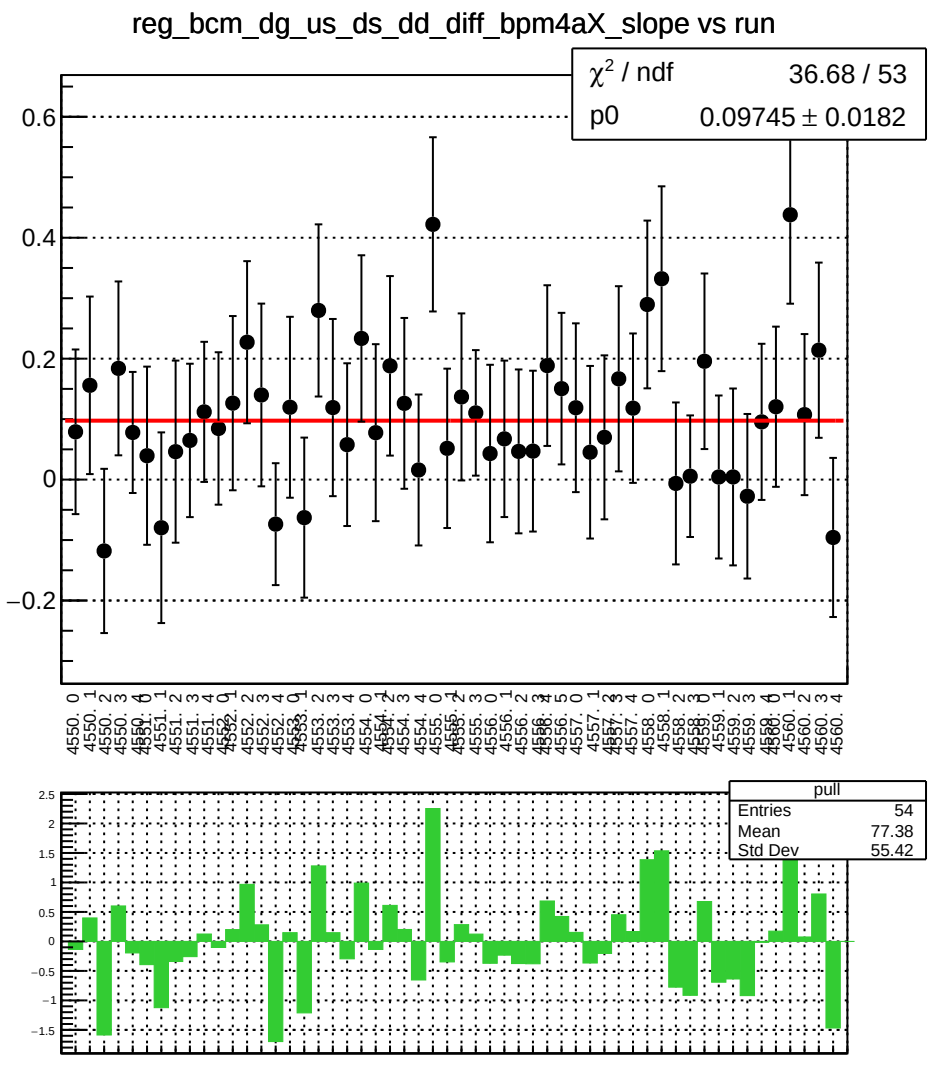

pull1D
Entries 54
Mean 0.03399
Std Dev 1.066

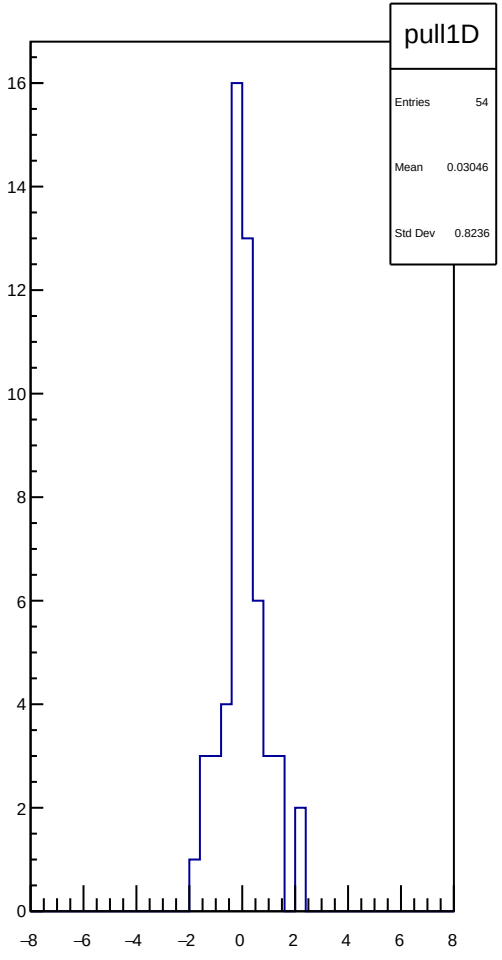

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 93.25 / 53
p0 0.193 ± 0.003197
0.3
0.25
0.2
0.15
0.1
pull
Entries 54
Mean −585
Std Dev 617.5
3
2
1
0
−1
−2
−3

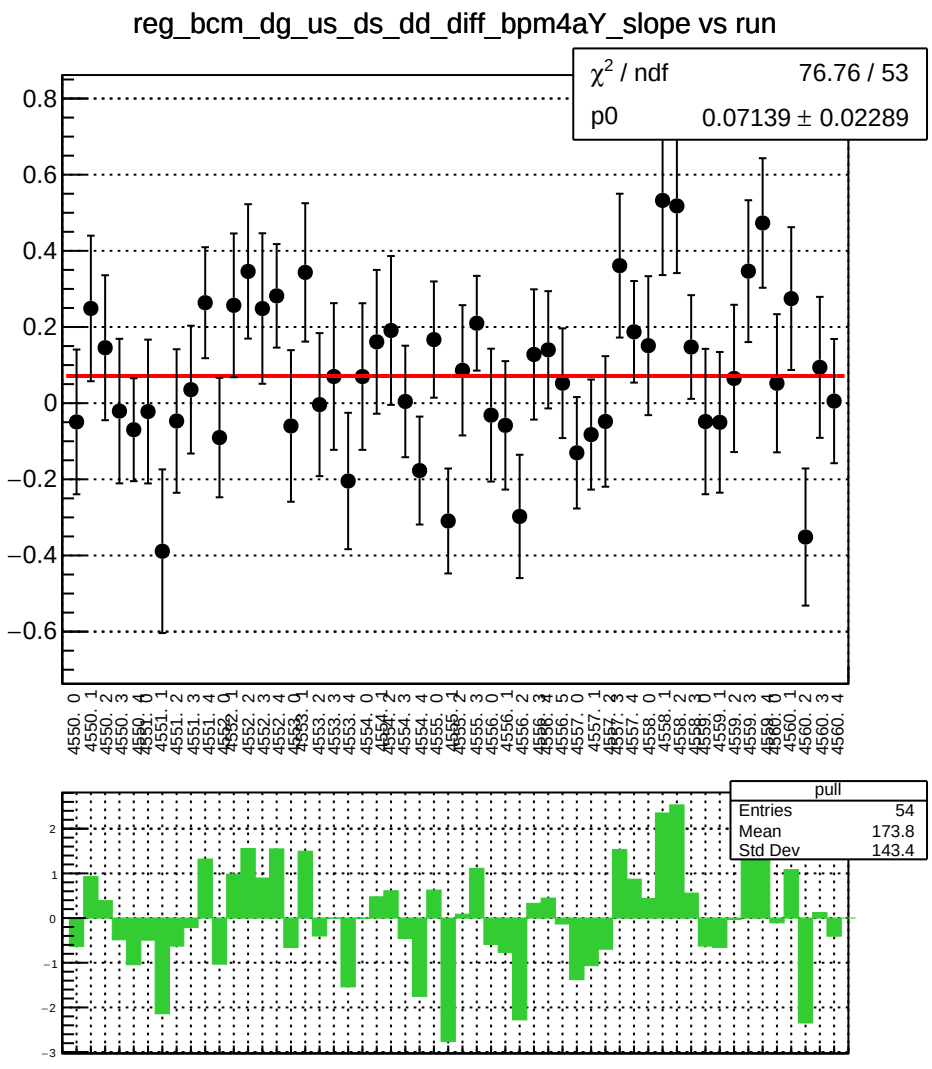

pull1D
Entries 54
Mean 0.005267
Std Dev 1.314
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

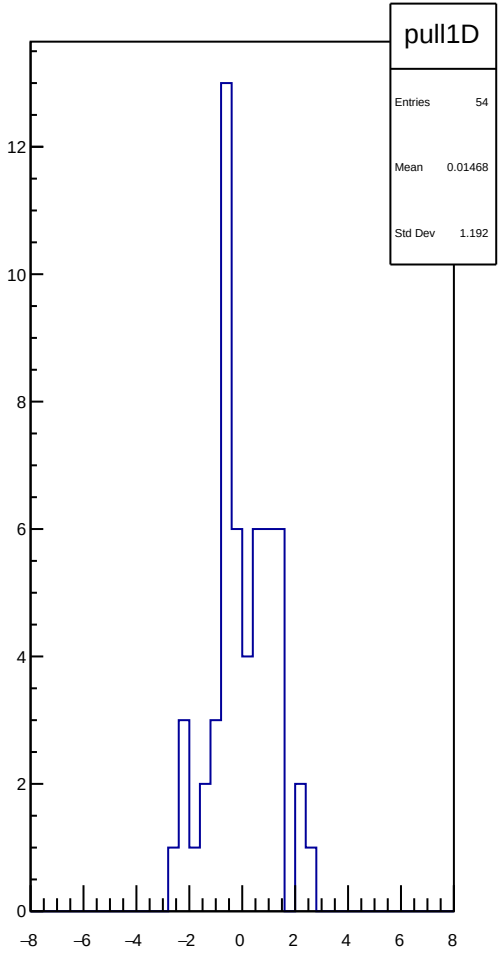

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.35 / 53
p0 −0.1649 ± 0.03279
pull
Entries 54
Mean −83.71
Std Dev 105.8
pull1D
Entries 54
Mean −0.0325
Std Dev 1.039

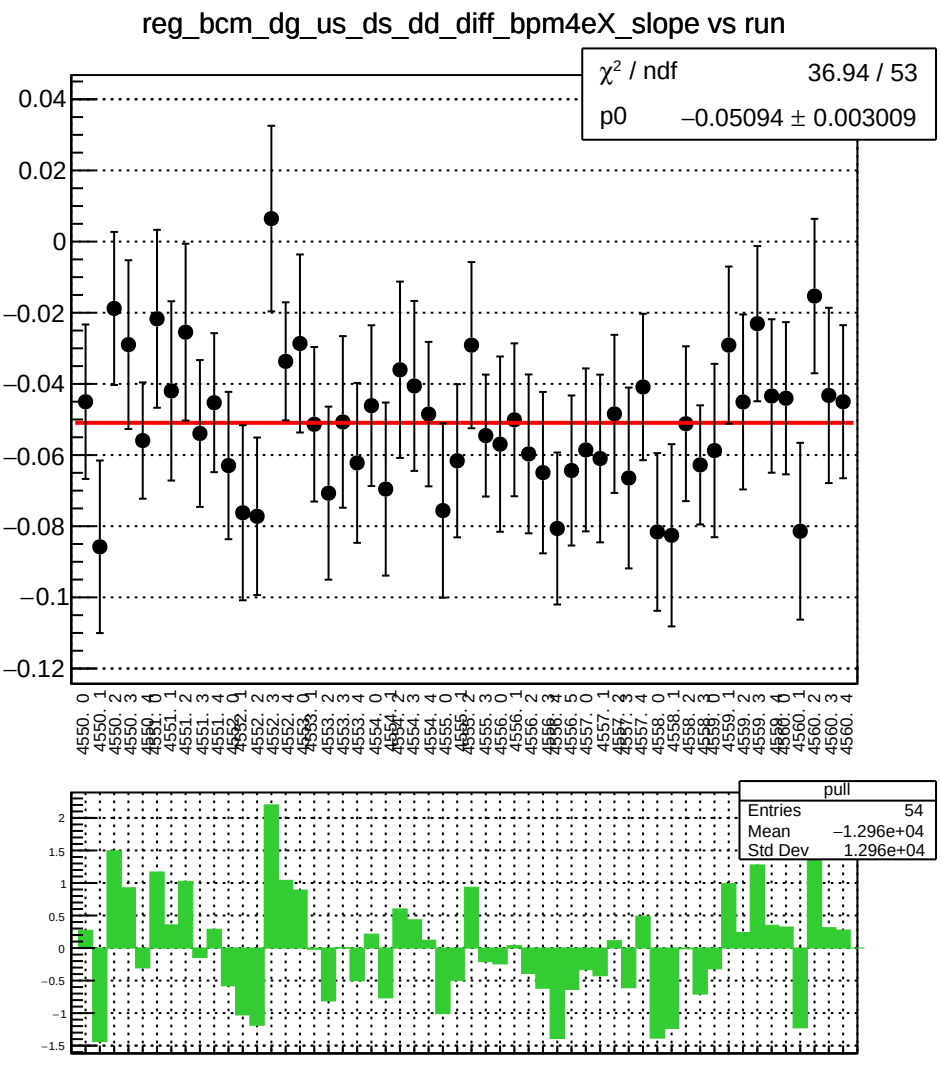

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 84.32 / 53
p0 0.02771± 0.006502
pull
Entries 54
Mean 761.8
Std Dev 697.1
pull1D
Entries 54
Mean −0.001822
Std Dev 1.25

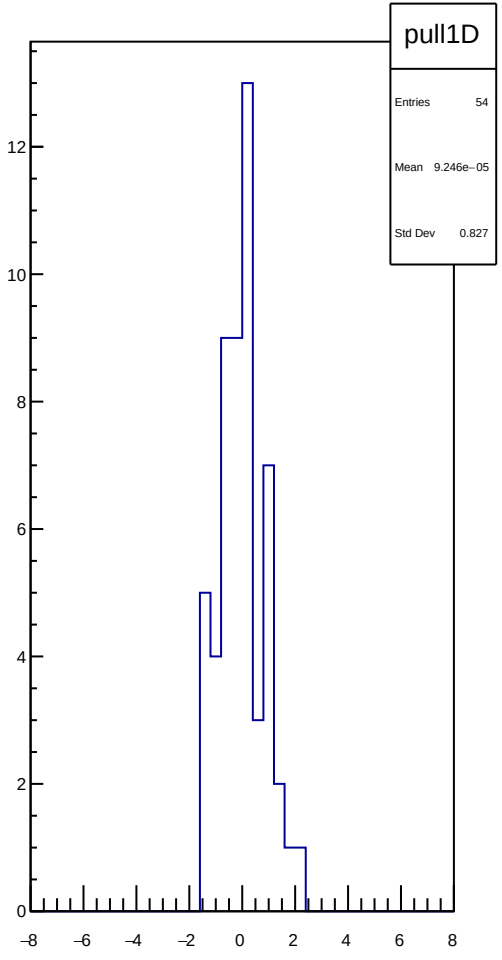

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 36.68 / 53
p0 0.09745 ± 0.0182
pull
Entries 54
Mean 77.38
Std Dev 55.42

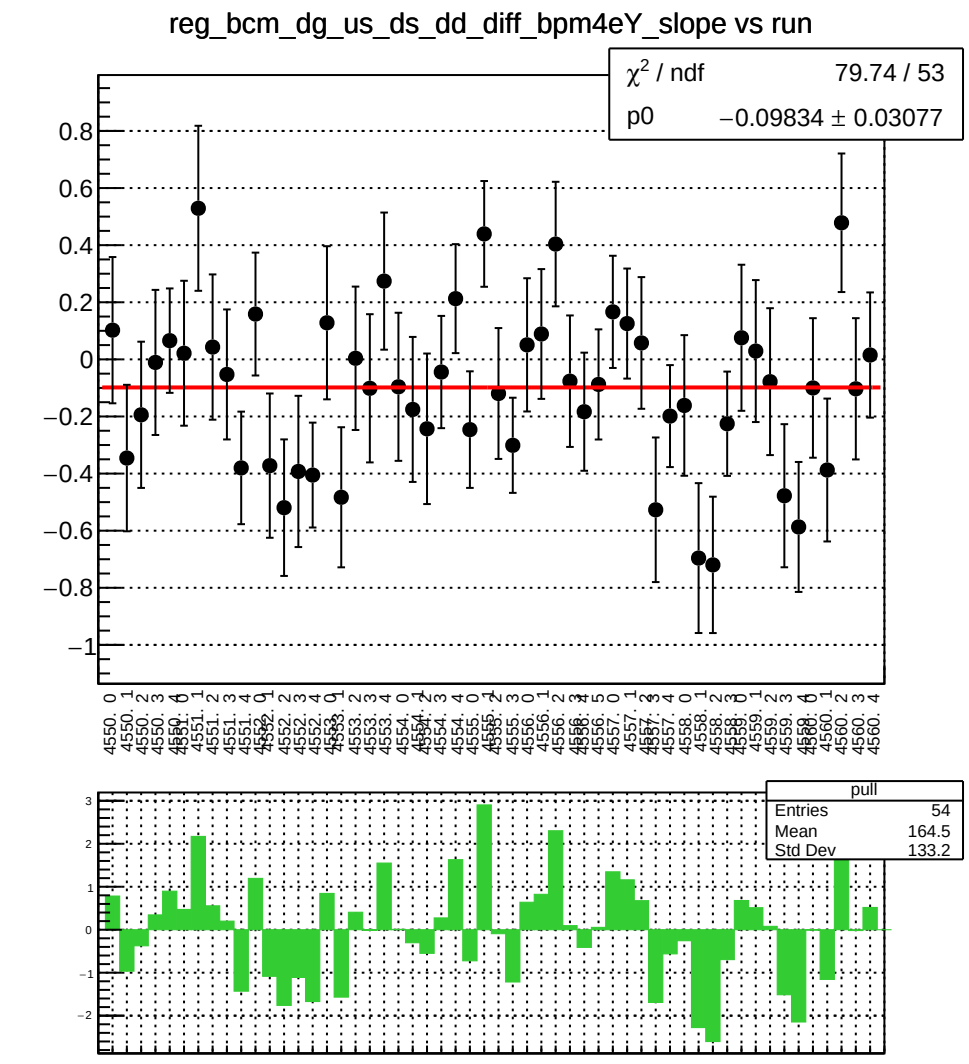

pull1D
Entries 54
Mean 0.03046
Std Dev 0.8236

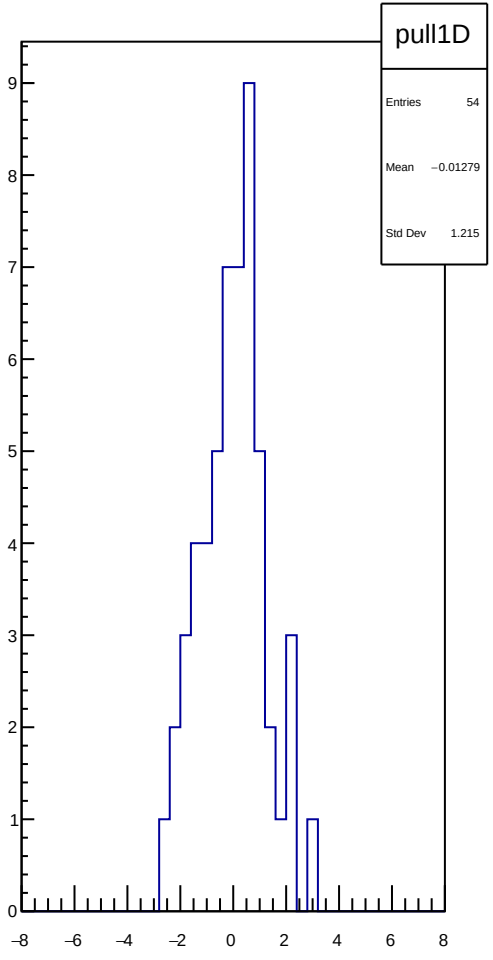

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.76 / 53
p0 0.07139 ± 0.02289
pull
Entries 54
Mean 173.8
Std Dev 143.4

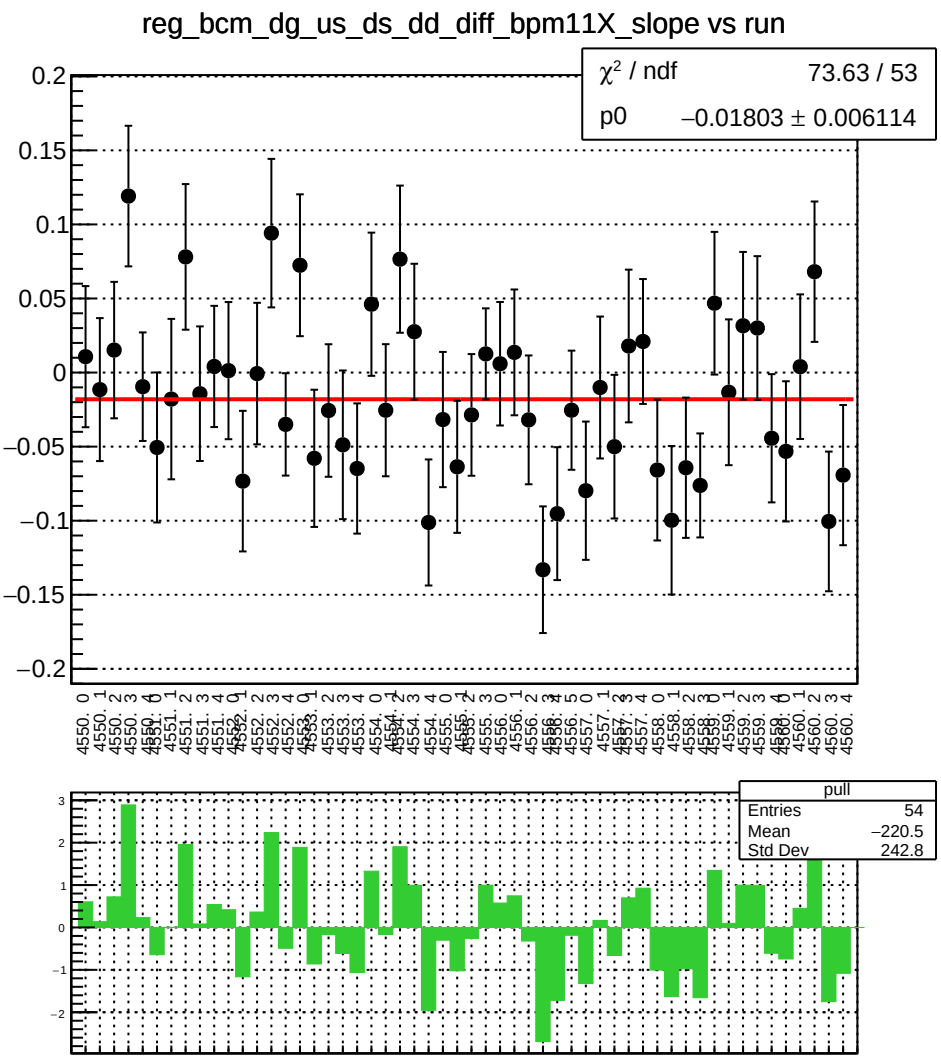

pull1D
Entries 54
Mean 0.01468
Std Dev 1.192

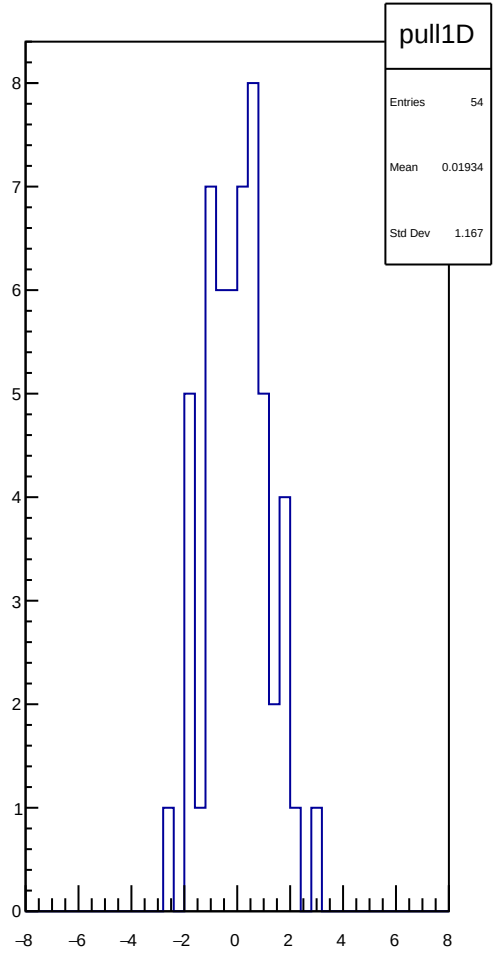

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.94 / 53
p0 −0.05094 ± 0.003009
pull
Entries 54
Mean −1.296e+04
Std Dev 1.296e+04

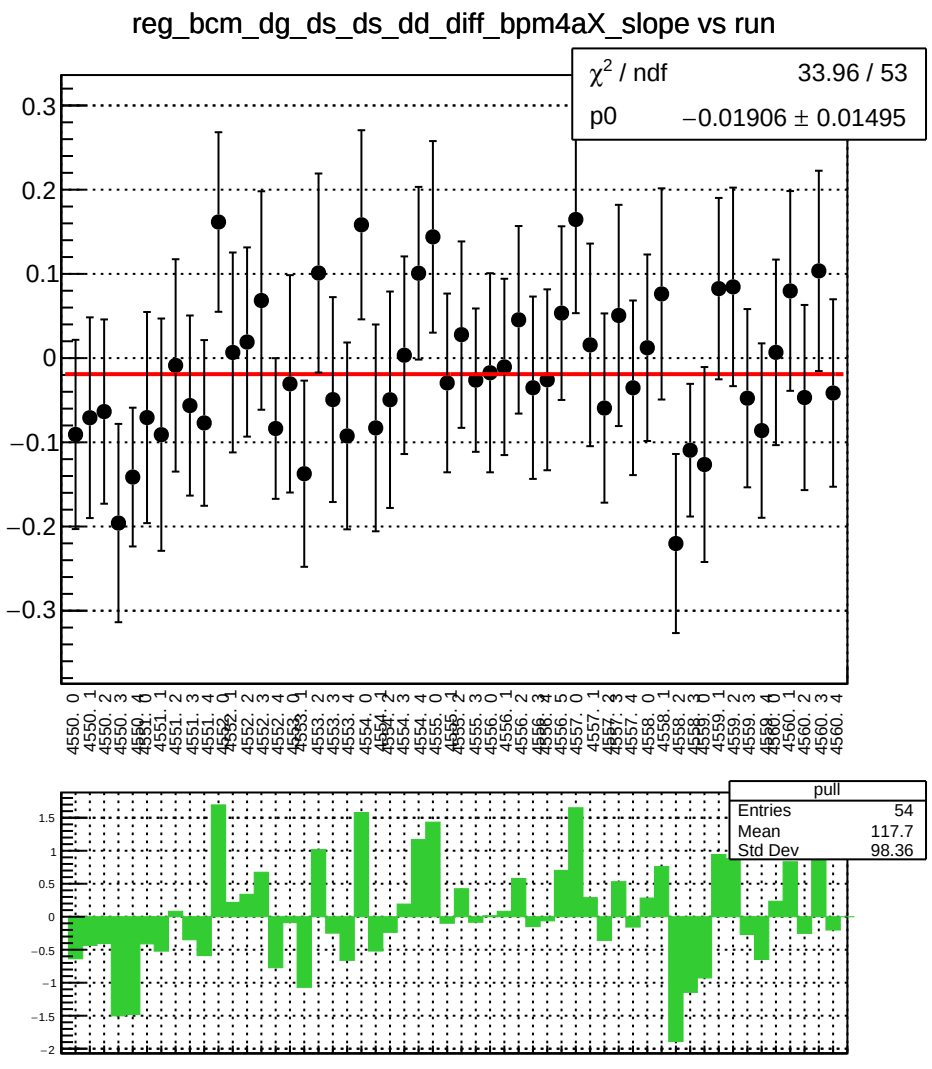

pull1D
Entries 54
Mean 9.246e−05
Std Dev 0.827

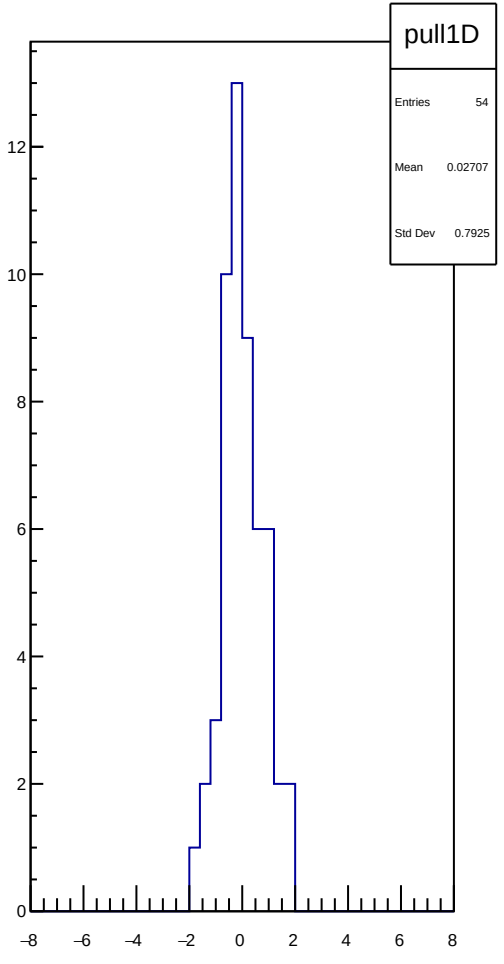

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.74 / 53
p0 −0.09834 ± 0.03077
pull
Entries 54
Mean 164.5
Std Dev 133.2

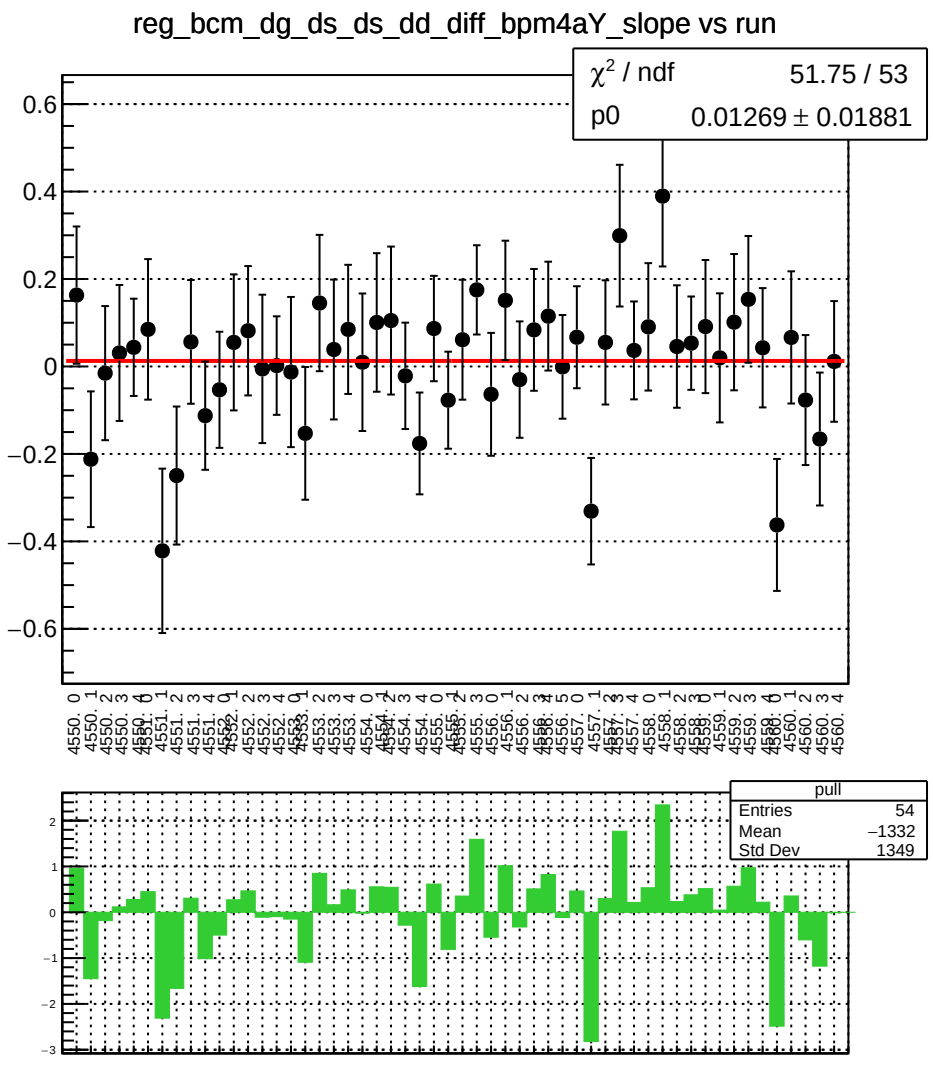

pull1D
Entries 54
Mean −0.01279
Std Dev 1.215

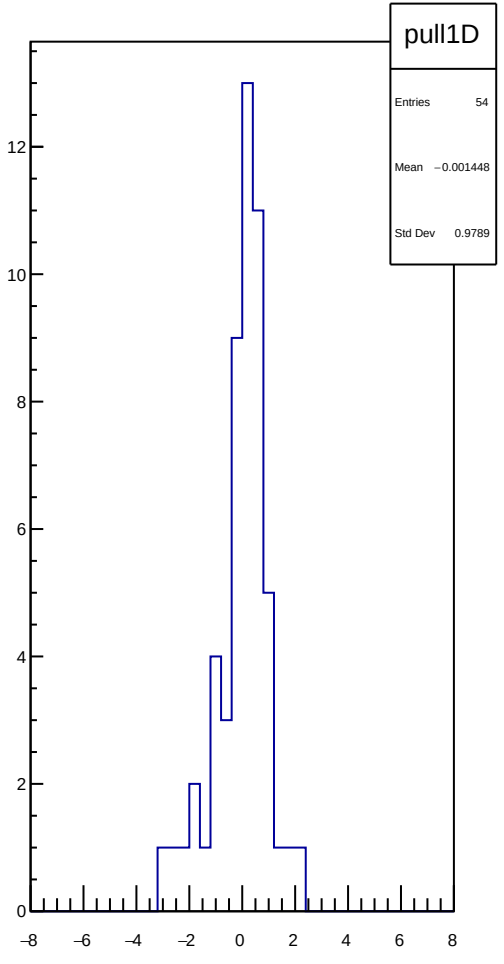

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 73.63 / 53
p0 −0.01803 ± 0.006114
pull
Entries 54
Mean −220.5
Std Dev 242.8

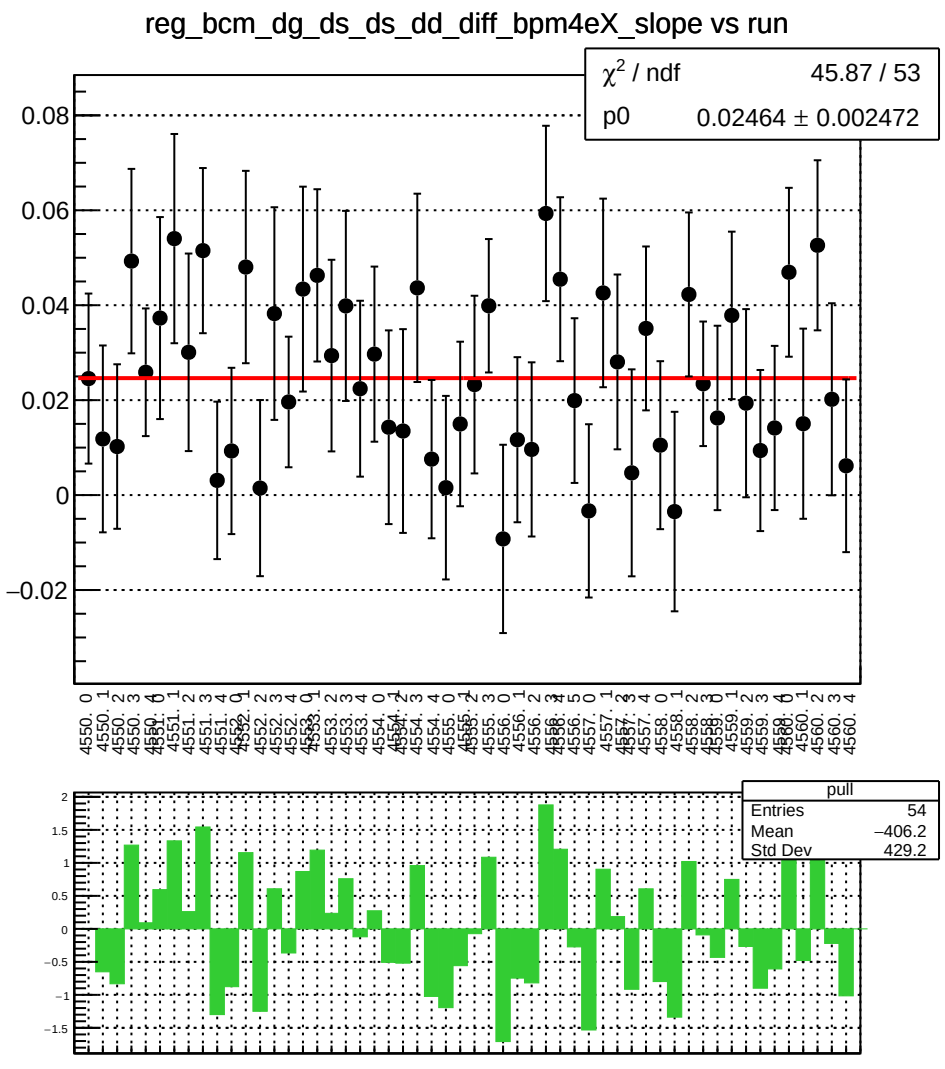

pull1D
Entries 54
Mean 0.01934
Std Dev 1.167

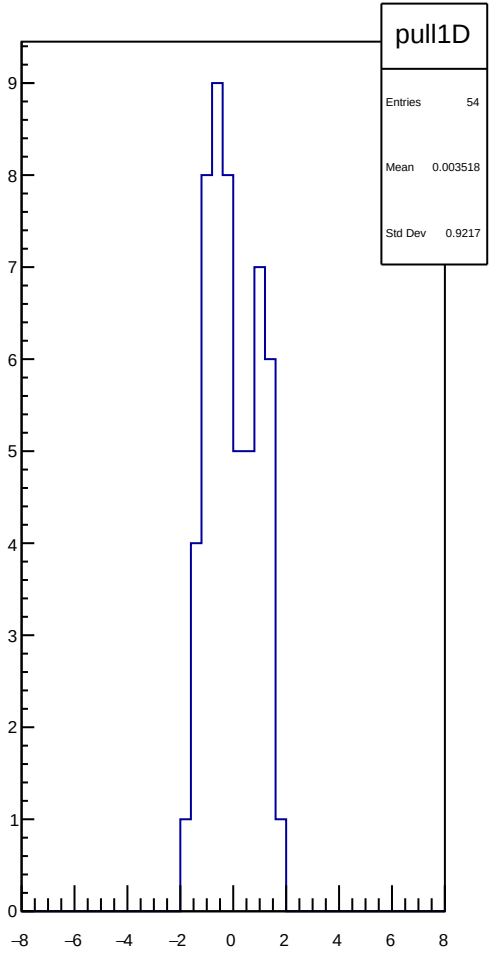

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 33.96 / 53
p0 −0.01906 ± 0.01495
pull
Entries 54
Mean 117.7
Std Dev 98.36

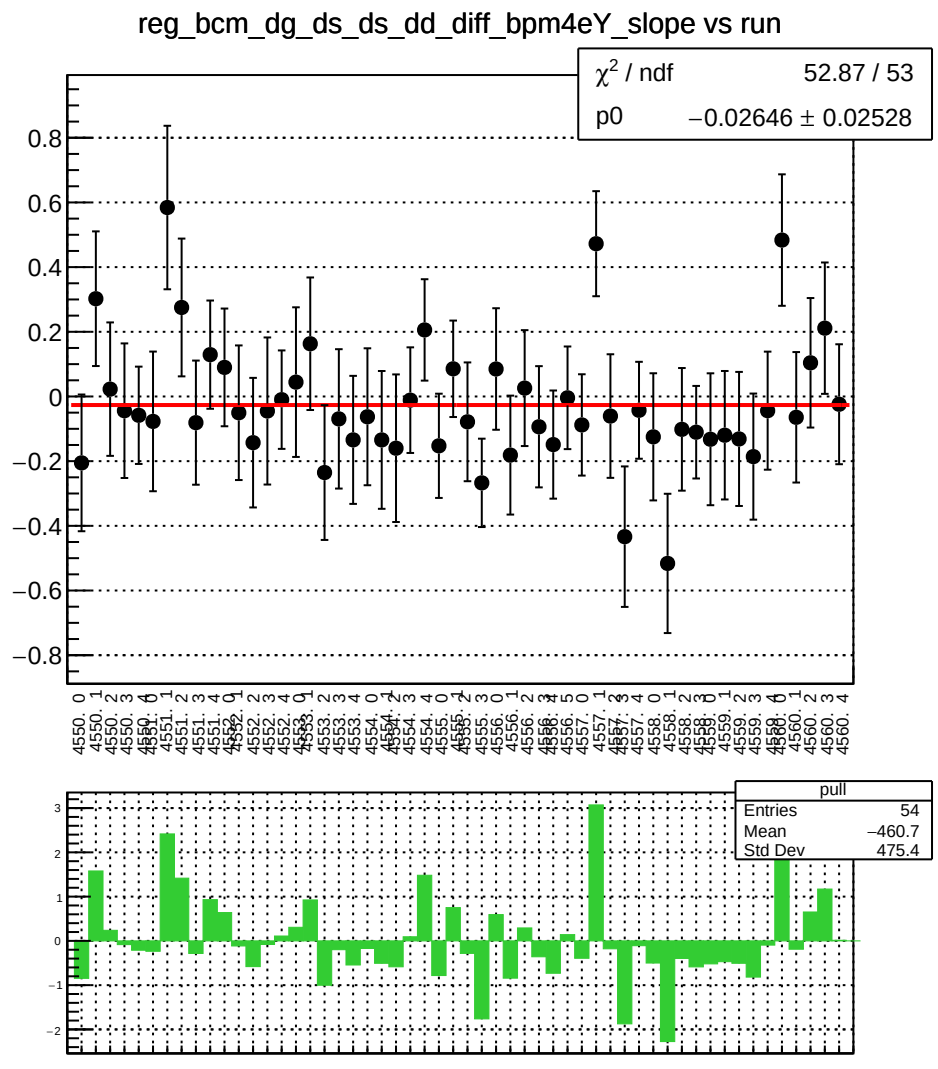

pull1D
Entries 54
Mean 0.02707
Std Dev 0.7925

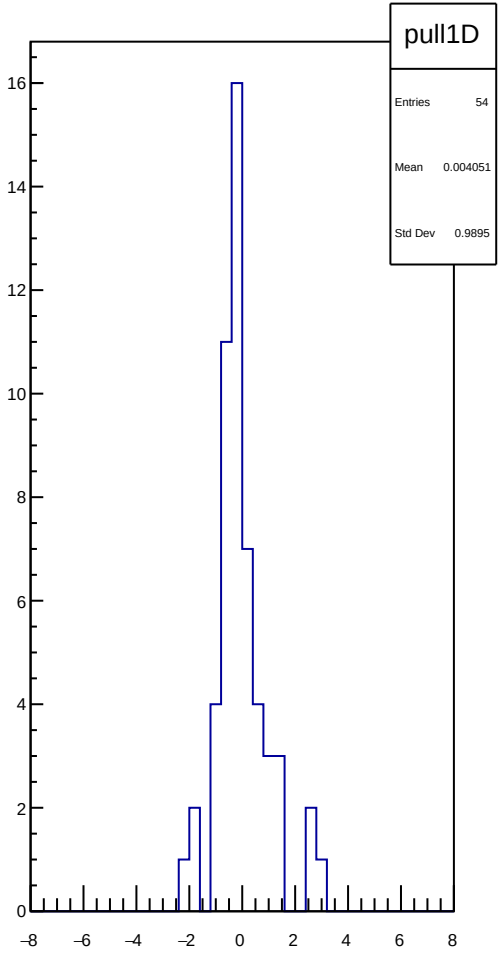

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.75 / 53
p0 0.01269 ± 0.01881
pull
Entries 54
Mean −1332
Std Dev 1349

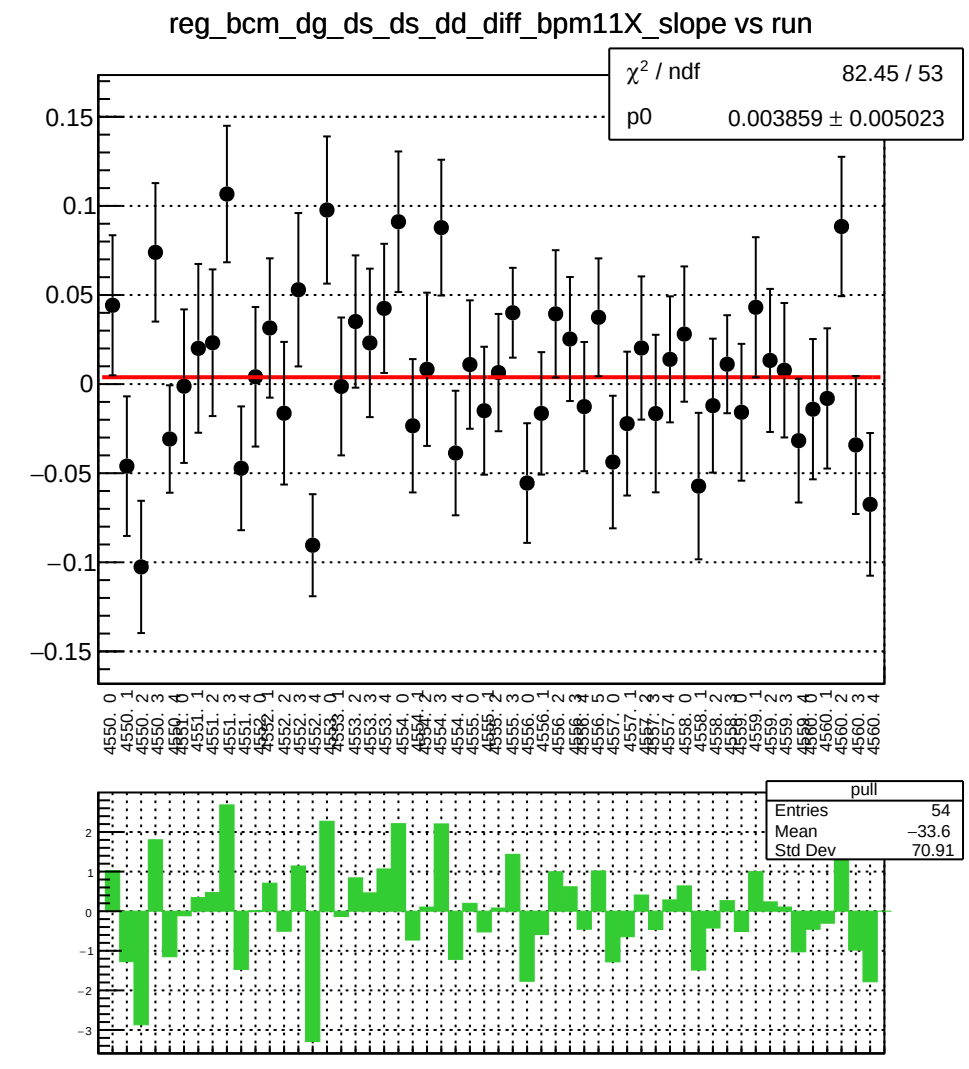

pull1D
Entries 54
Mean −0.001448
Std Dev 0.9789

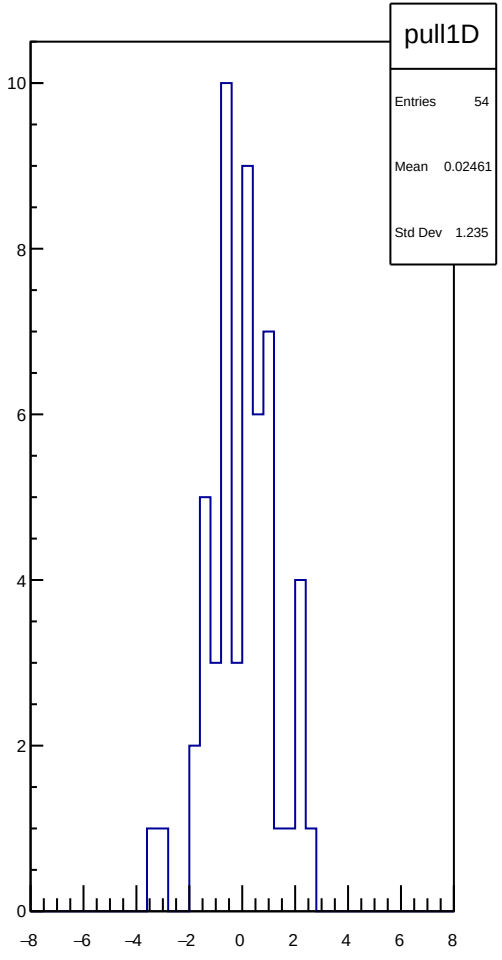

reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.87 / 53
p0 0.02464 ± 0.002472
0.08
0.06
0.04
0.02
0
−0.02
pull
Entries 54
Mean −406.2
Std Dev 429.2
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.003518
Std Dev 0.9217
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.87 / 53
p0 −0.02646 ± 0.02528
pull
Entries 54
Mean −460.7
Std Dev 475.4


pull1D
Entries 54
Mean 0.004051
Std Dev 0.9895


reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 82.45 / 53
p0 0.003859 ± 0.005023
pull
Entries 54
Mean −33.6
Std Dev 70.91


pull1D
Entries 54
Mean 0.02461
Std Dev 1.235