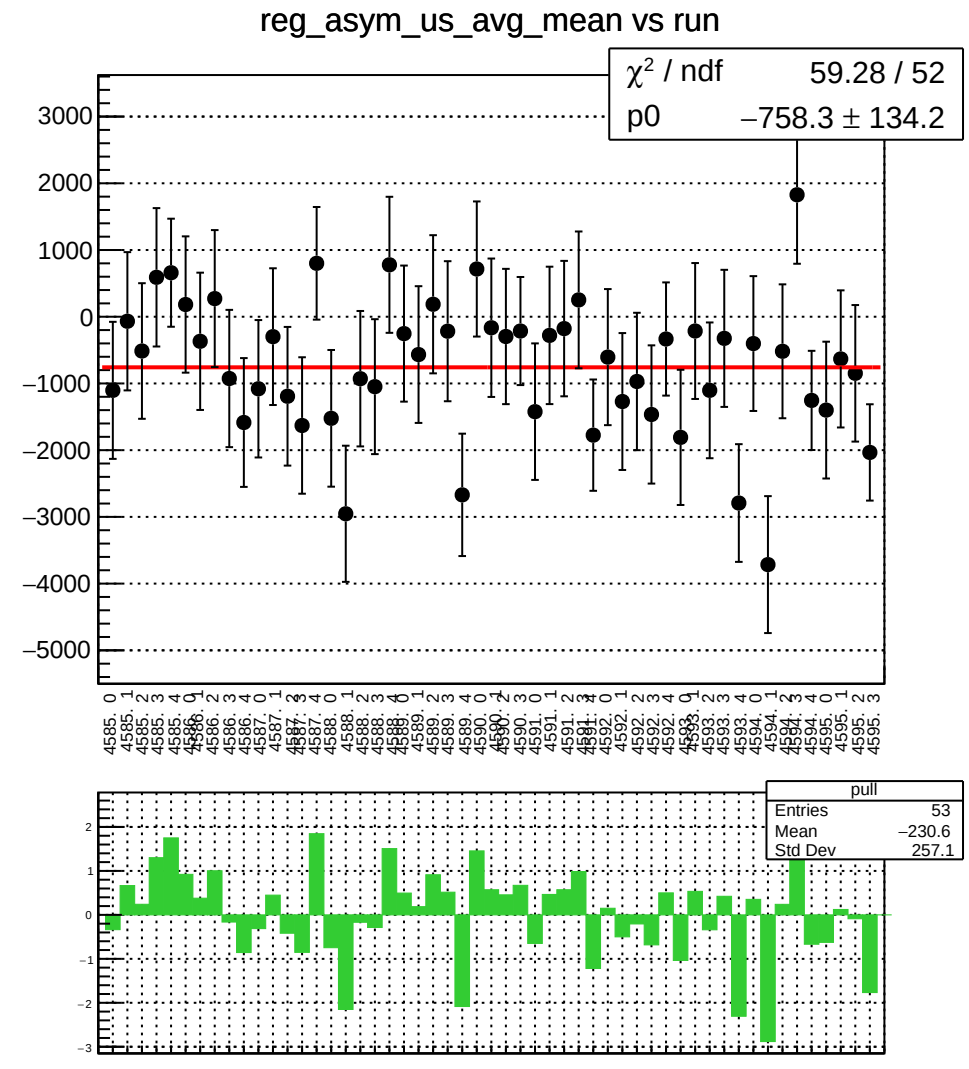
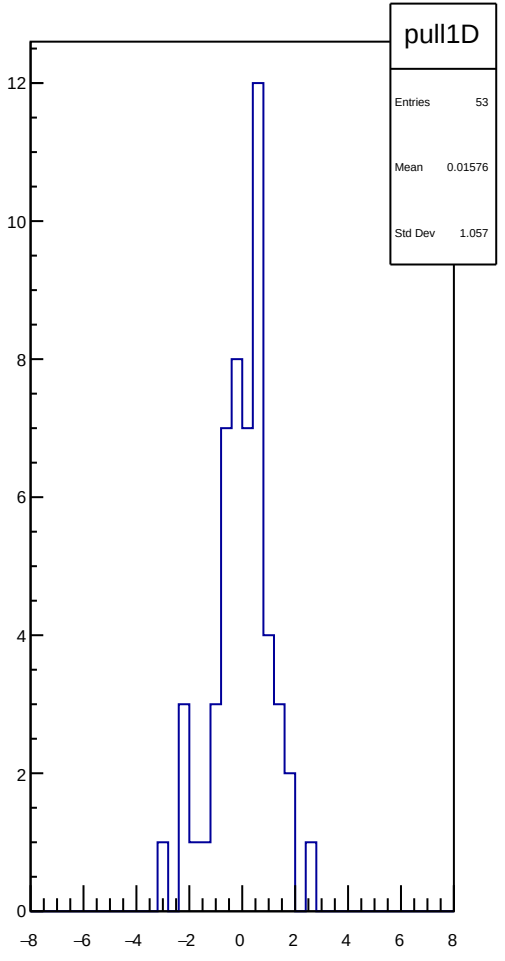
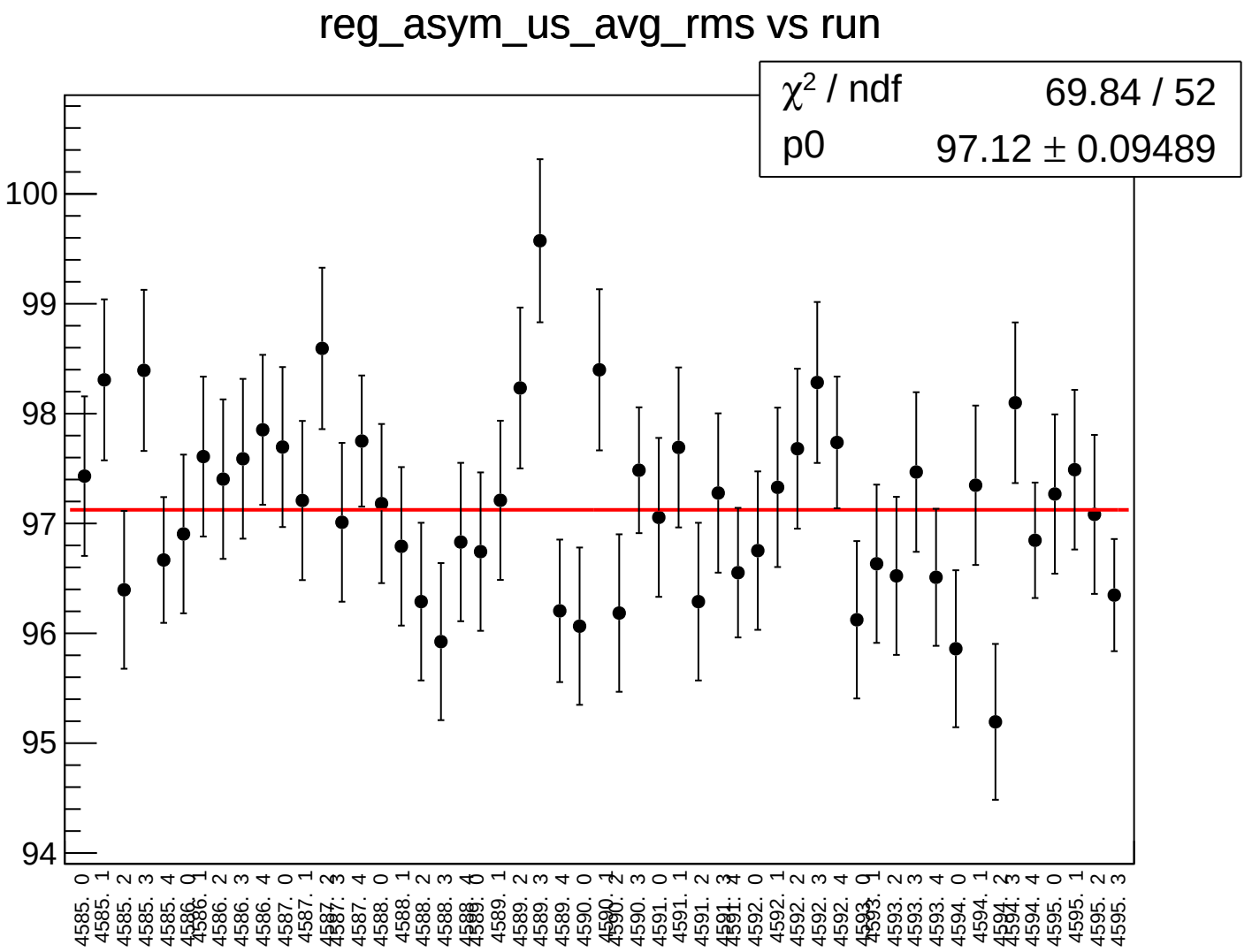
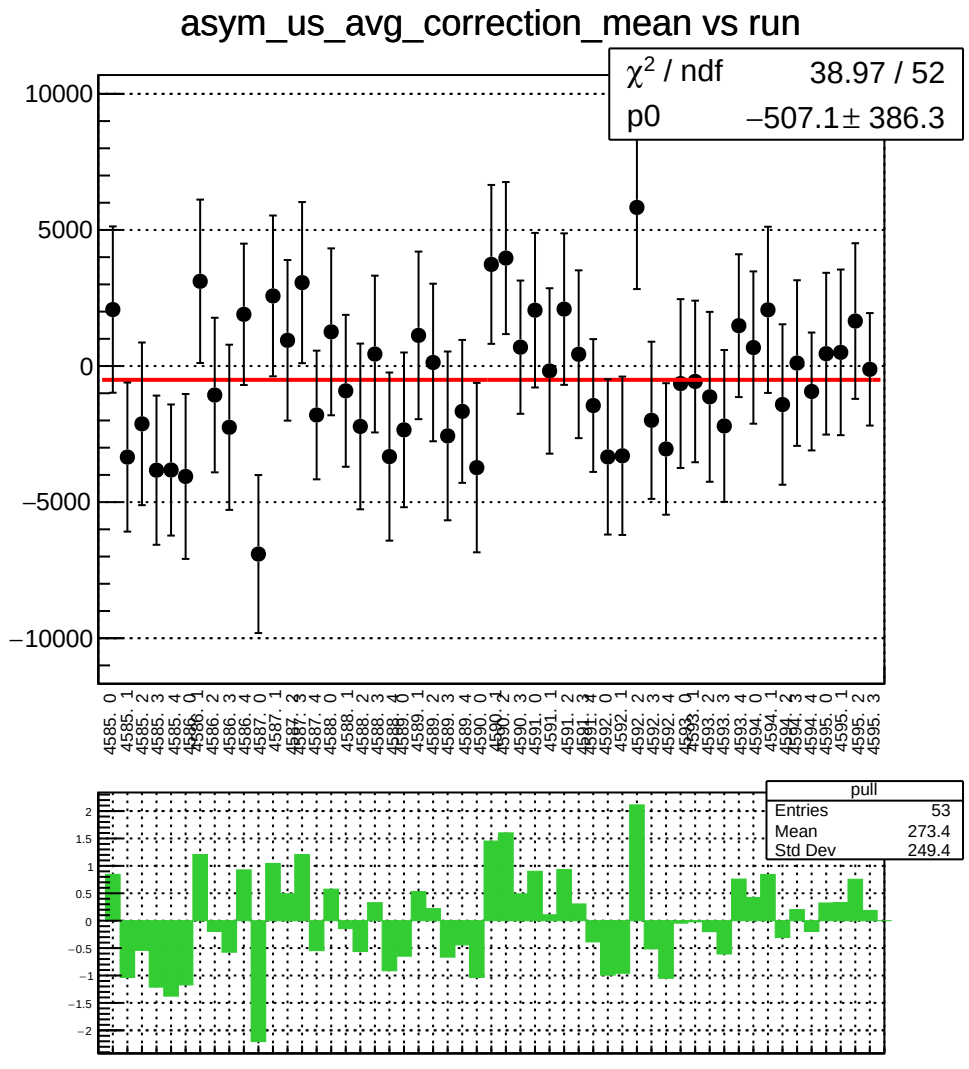
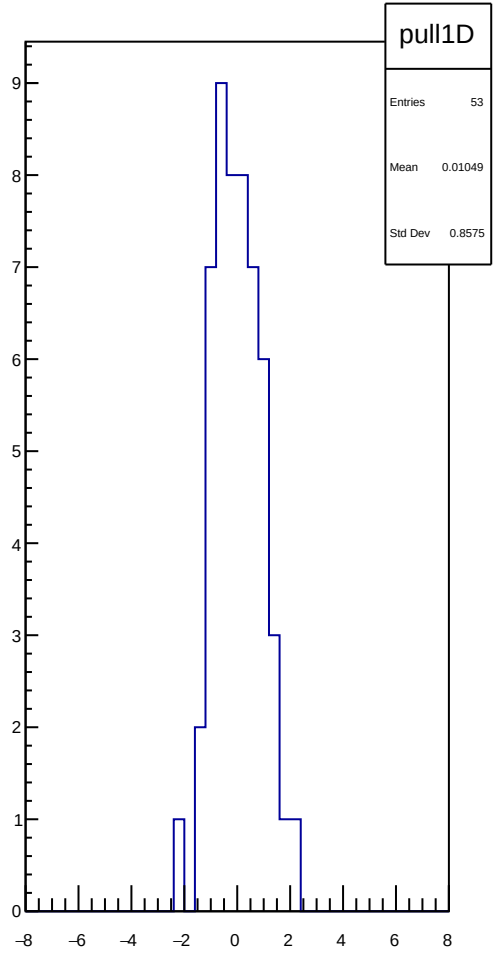
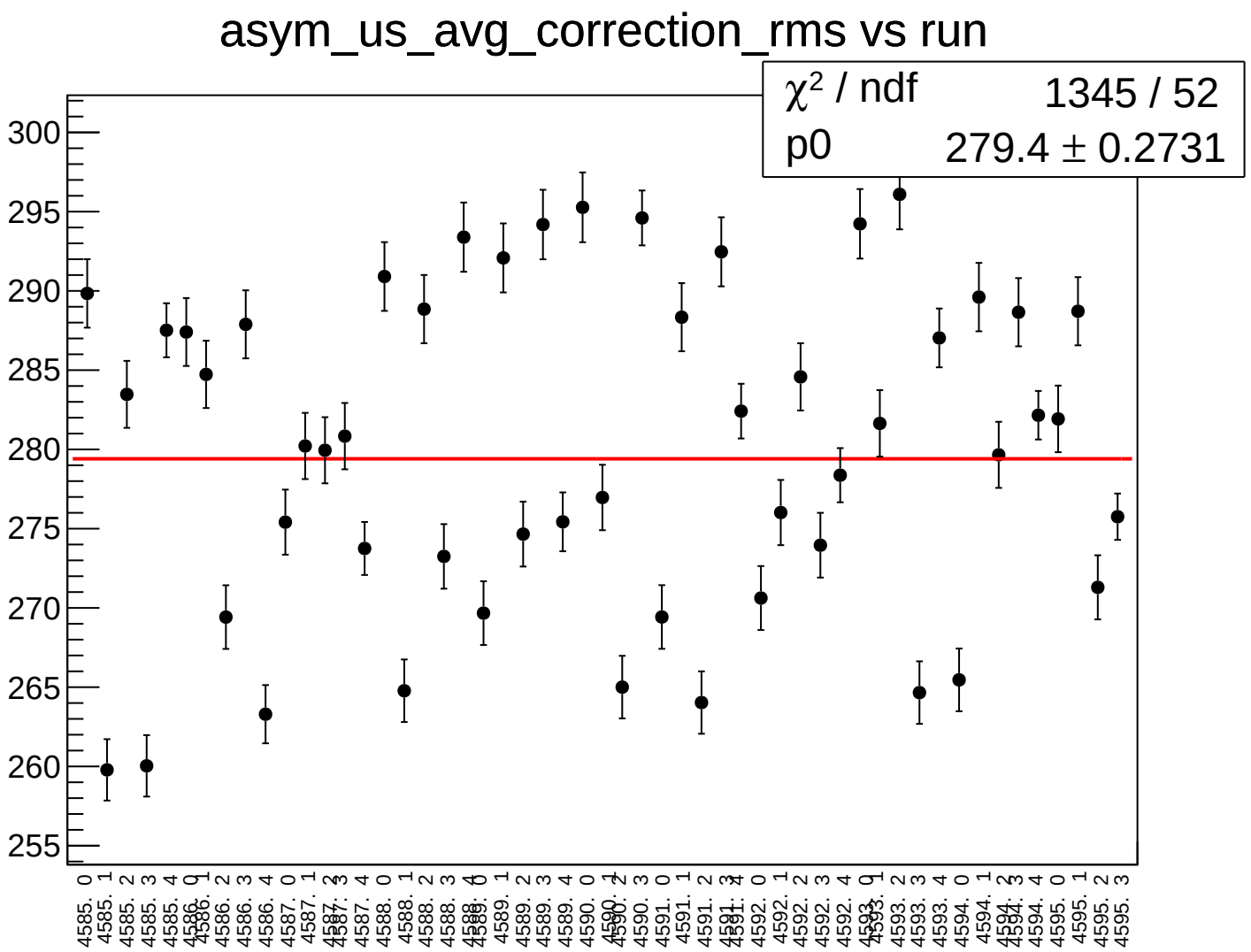

reg_asym_us_avg_mean vs run
χ² / ndf 59.28 / 52
p0 −758.3 ± 134.2
pull
Entries 53
Mean −230.6
Std Dev 257.1

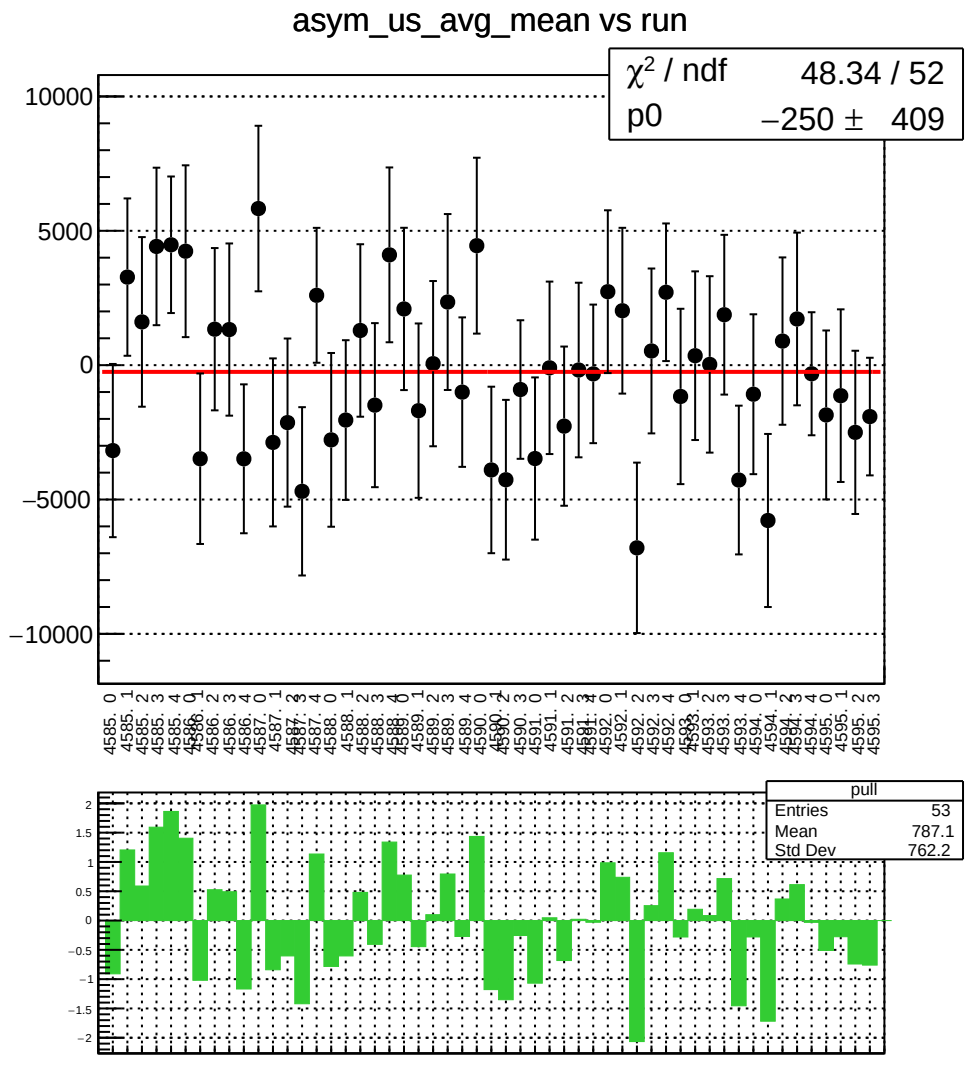

pull1D
Entries 53
Mean 0.01576
Std Dev 1.057

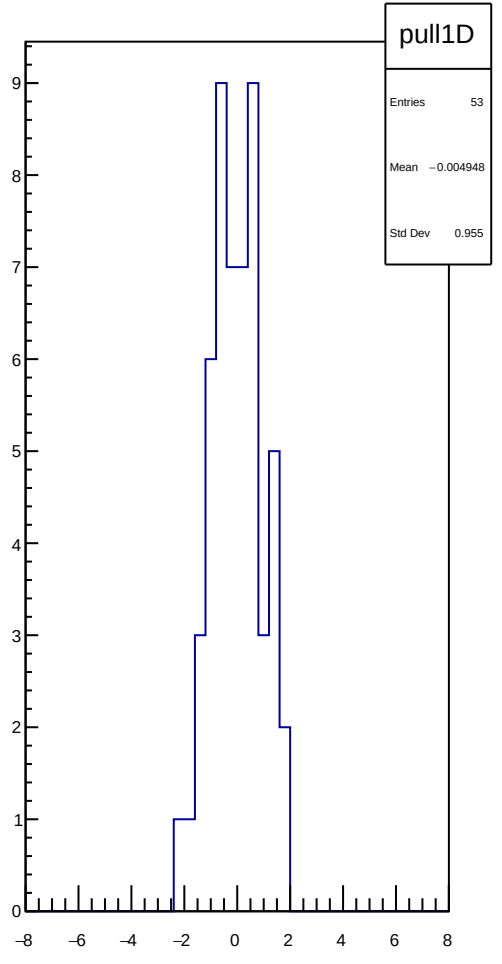

reg_asym_us_avg_rms vs run
χ^2 / ndf 69.84 / 52
p0 97.12 ± 0.09489
100
99
98
97
96
95
94
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

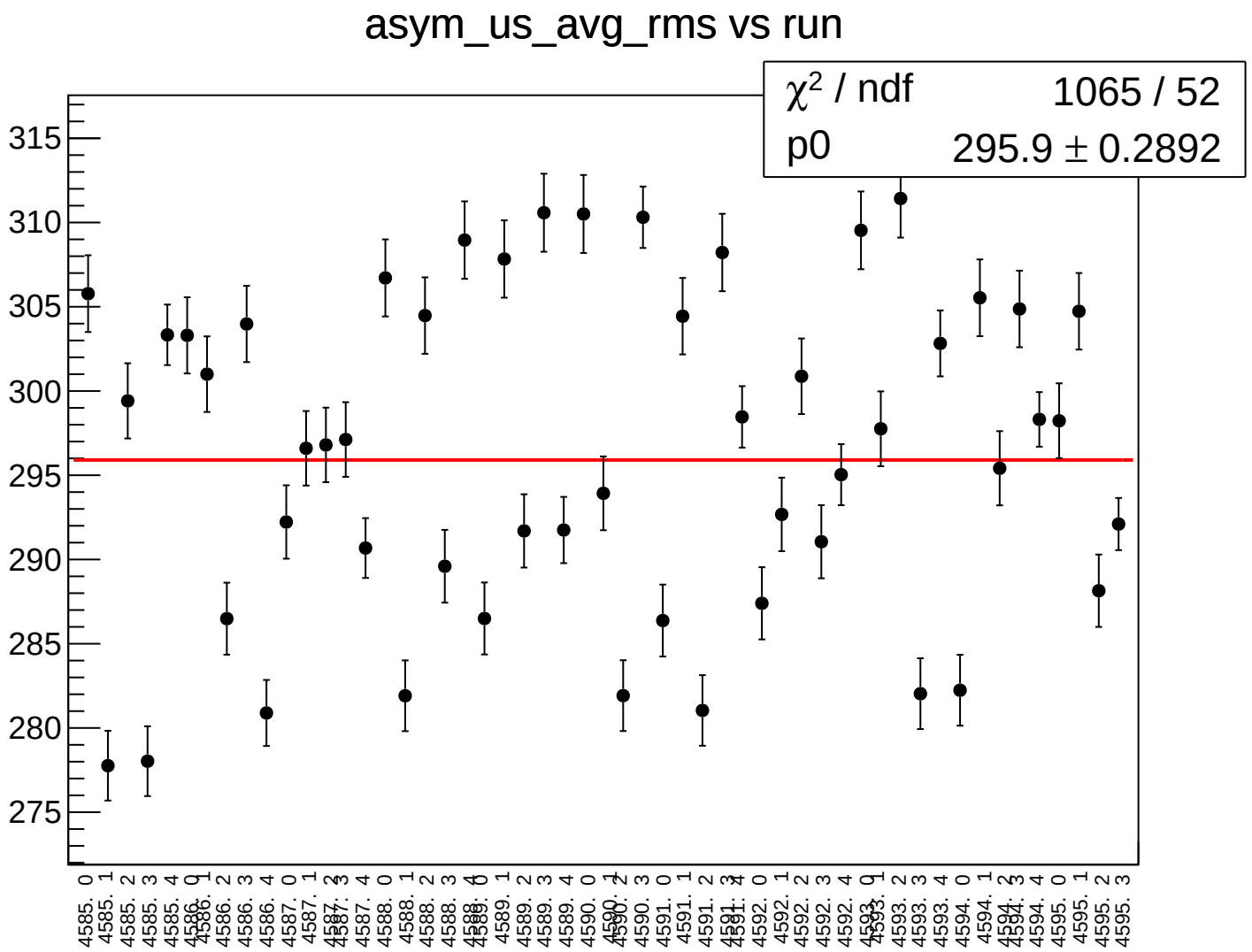

asym_us_avg_correction_mean vs run
χ² / ndf 38.97 / 52
p0 −507.1± 386.3
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 273.4
Std Dev 249.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

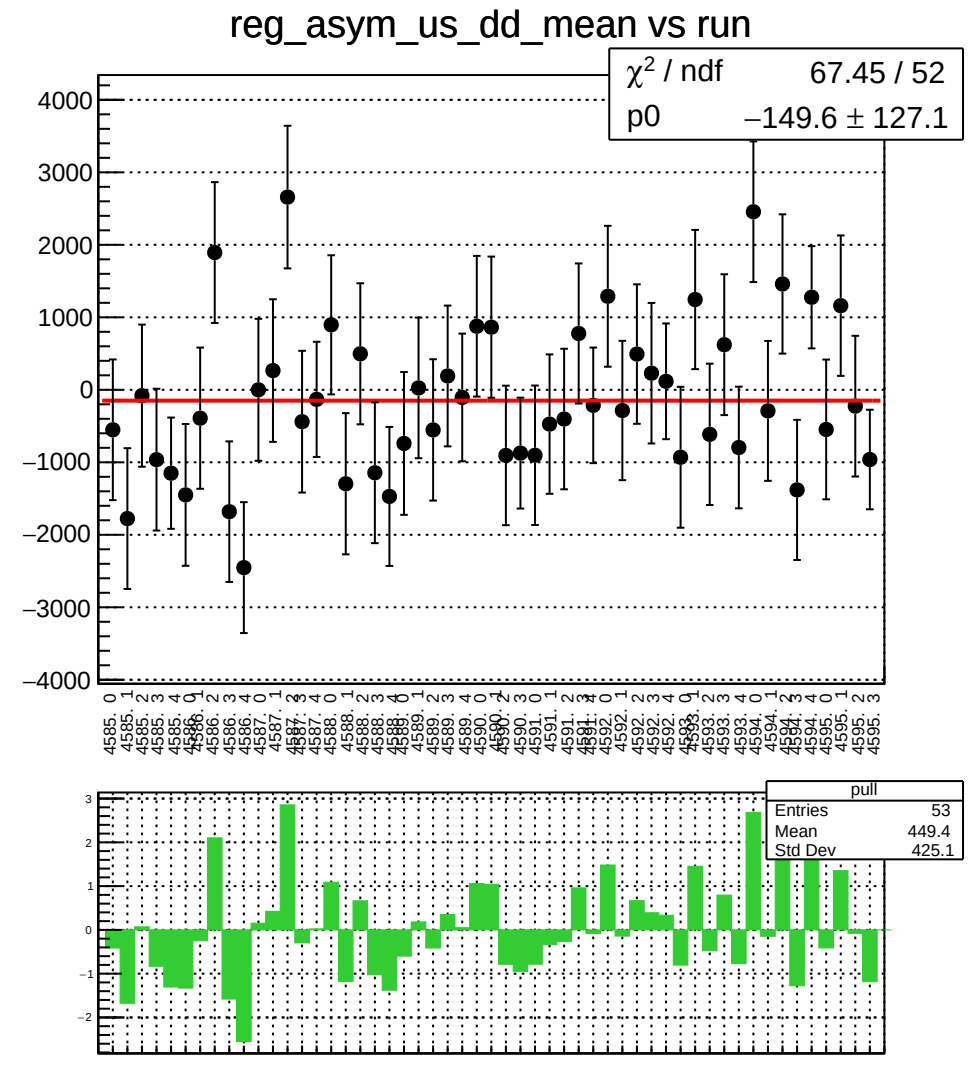

pull1D
Entries 53
Mean 0.01049
Std Dev 0.8575
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

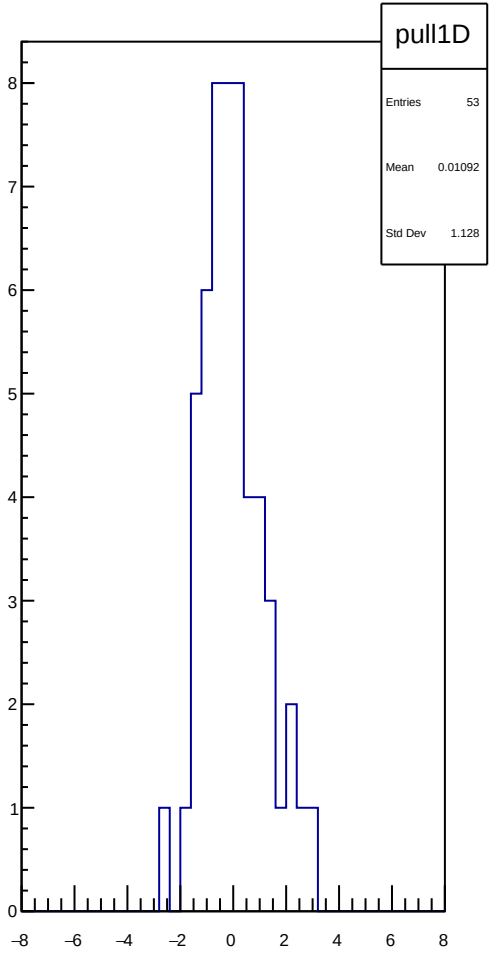

asym_us_avg_correction_rms vs run
χ² / ndf 1345 / 52
p0 279.4 ± 0.2731
300
295
290
285
280
275
270
265
260
255

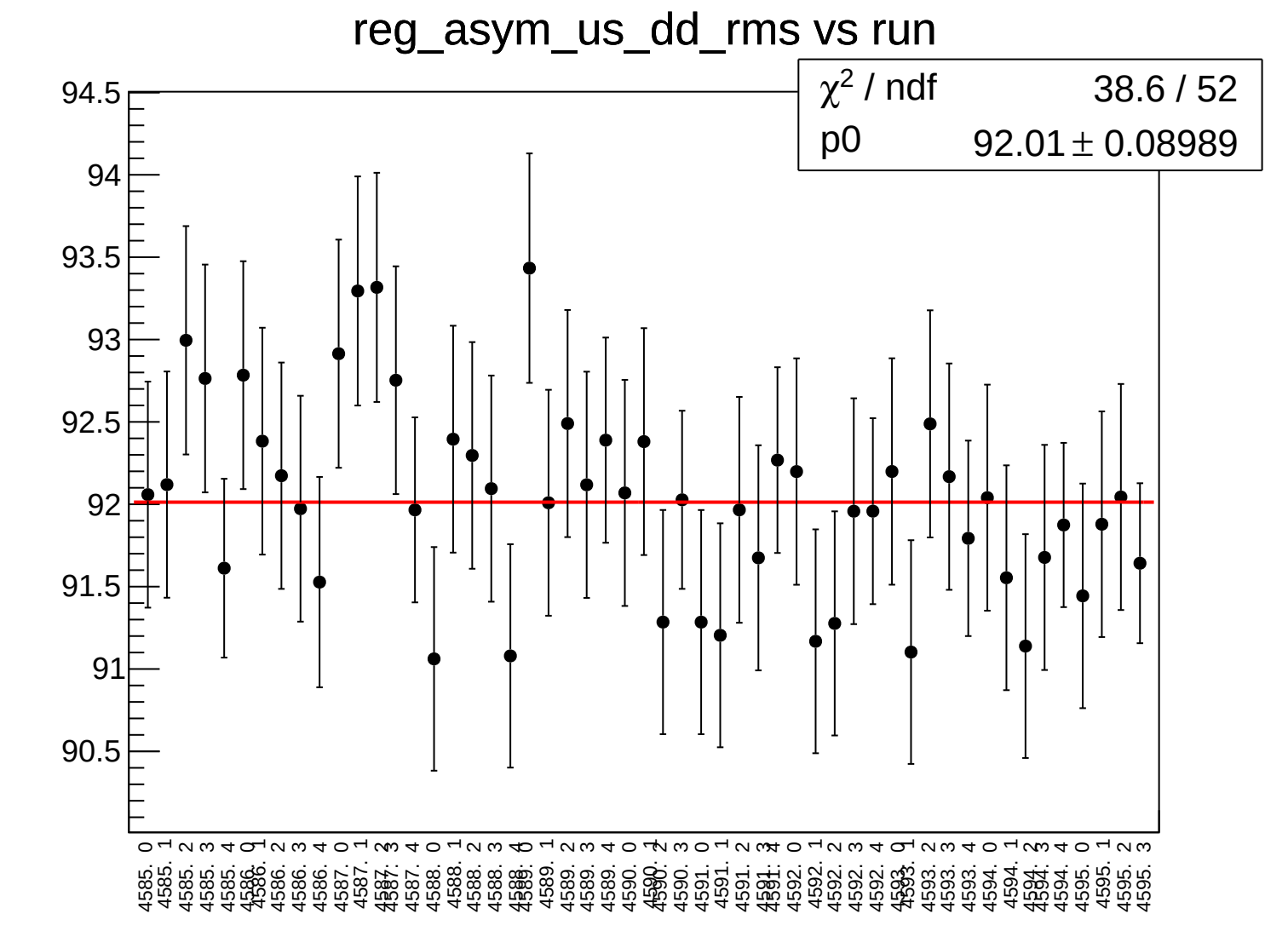

asym_us_avg_mean vs run
χ² / ndf 48.34 / 52
p0 −250 ± 409
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 787.1
Std Dev 762.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

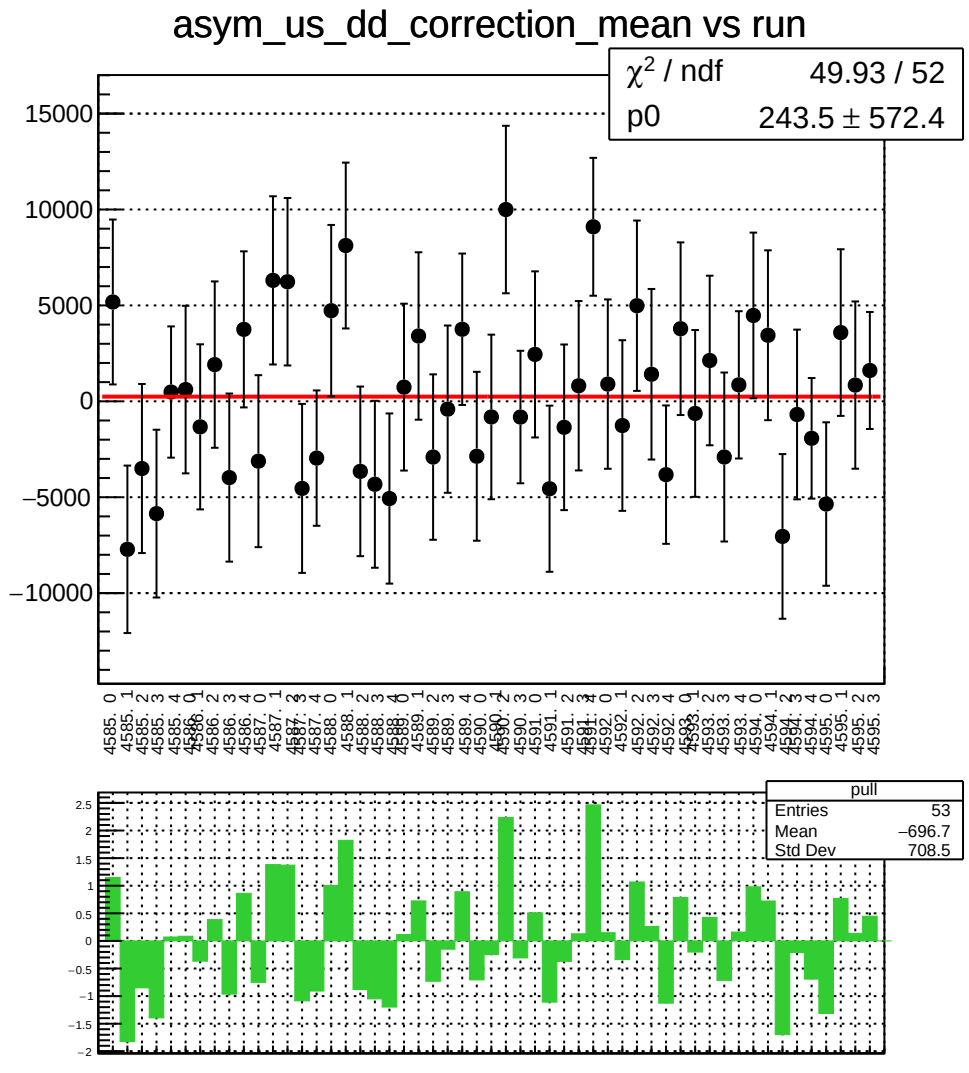

pull1D
Entries 53
Mean −0.004948
Std Dev 0.955
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

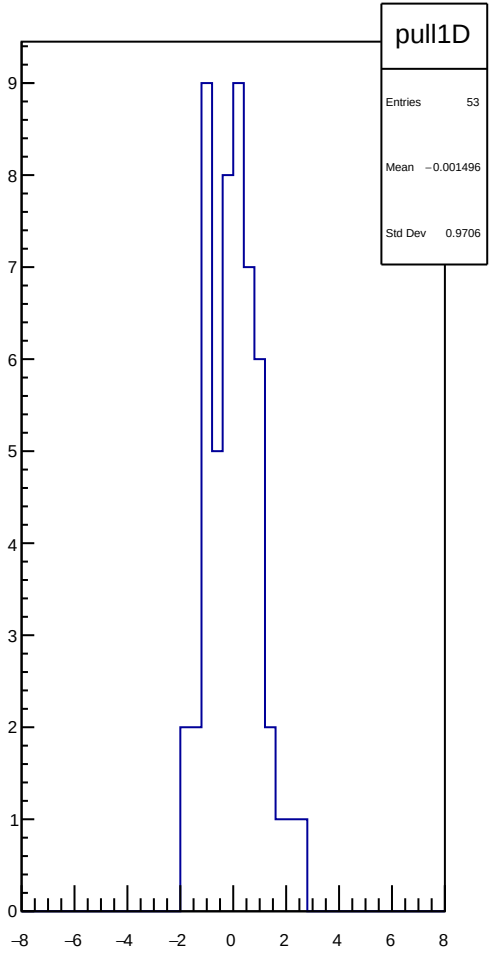

asym_us_avg_rms vs run
χ² / ndf 1065 / 52
p0 295.9 ± 0.2892
315
310
305
300
295
290
285
280
275
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

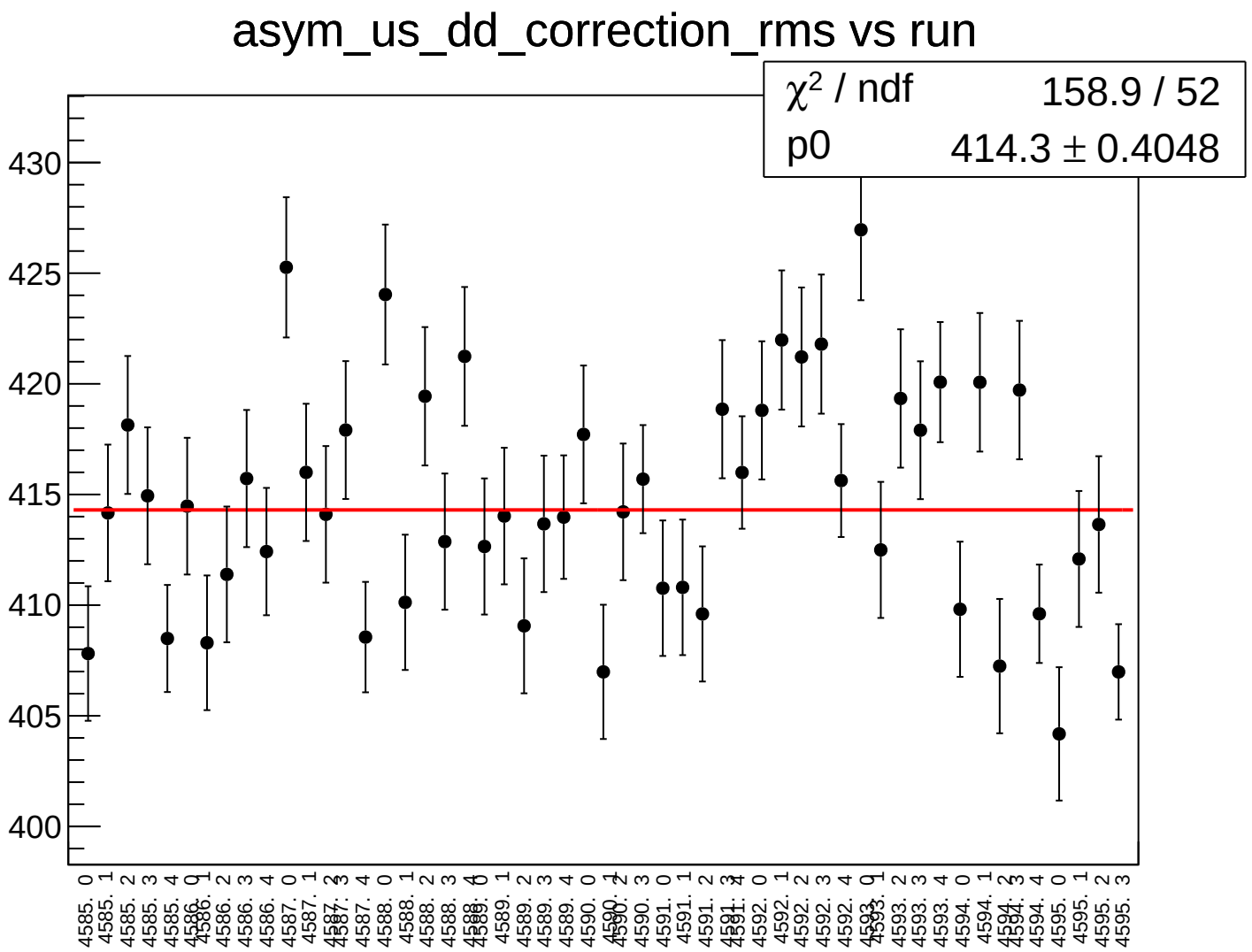

reg_asym_us_dd_mean vs run
χ² / ndf 67.45 / 52
p0 −149.6 ± 127.1
pull
Entries 53
Mean 449.4
Std Dev 425.1

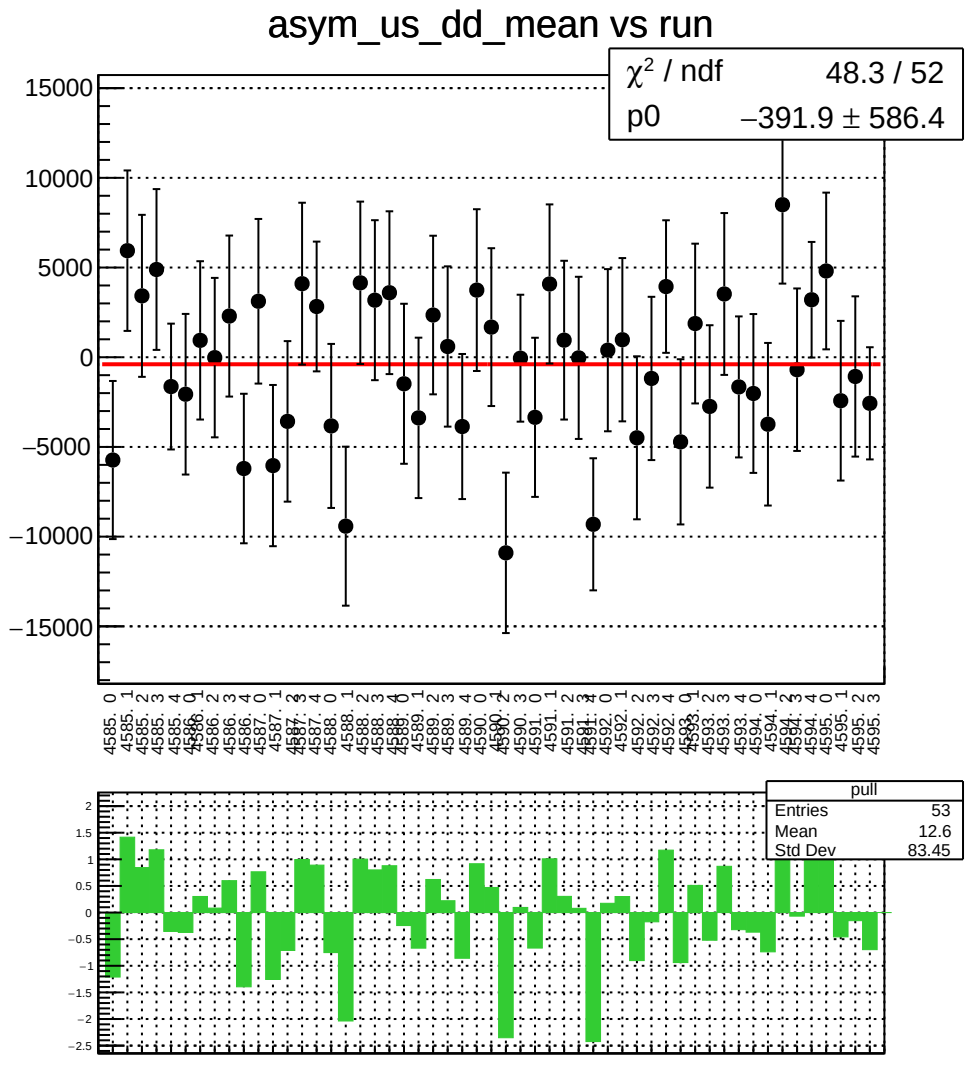

pull1D
Entries 53
Mean 0.01092
Std Dev 1.128

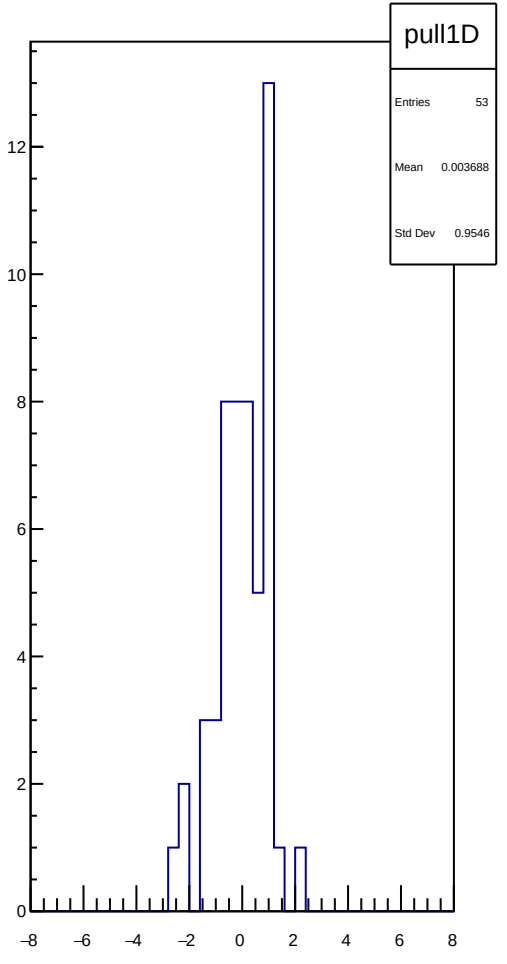

reg_asym_us_dd_rms vs run
χ2 / ndf 38.6 / 52
p0 92.01 ± 0.08989
94.5
94
93.5
93
92.5
92
91.5
91
90.5

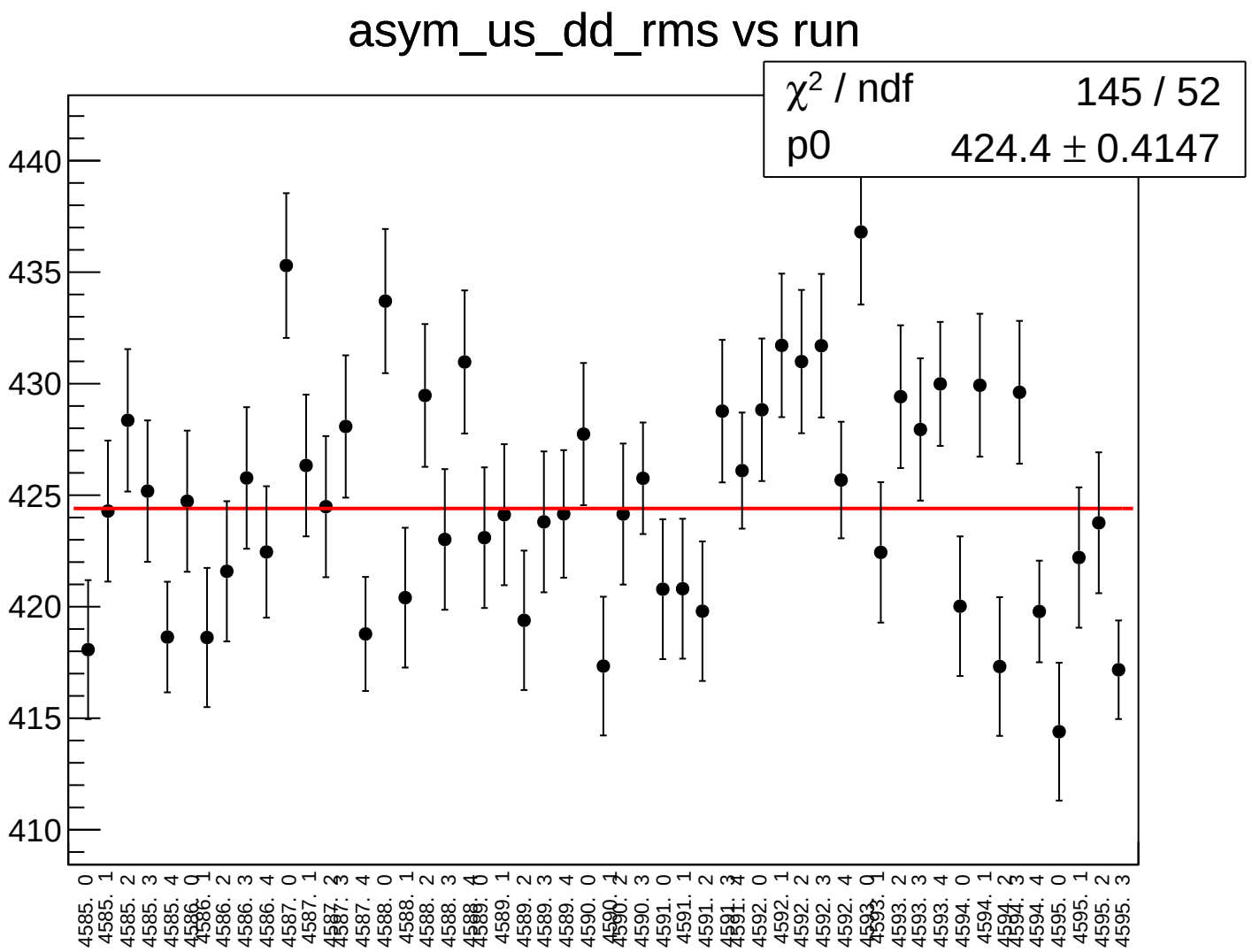

asym_us_dd_correction_mean vs run
χ² / ndf 49.93 / 52
p0 243.5 ± 572.4
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −696.7
Std Dev 708.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

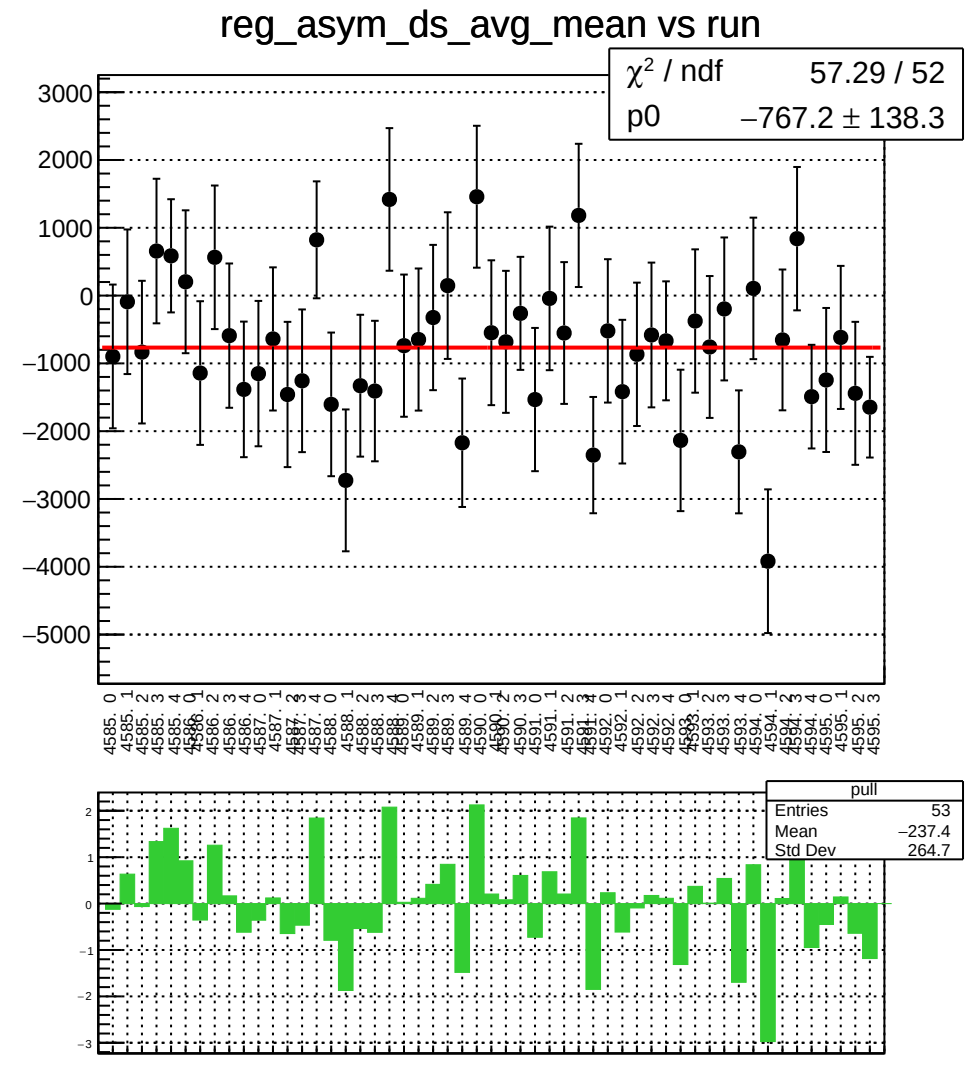

pull1D
Entries 53
Mean −0.001496
Std Dev 0.9706
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

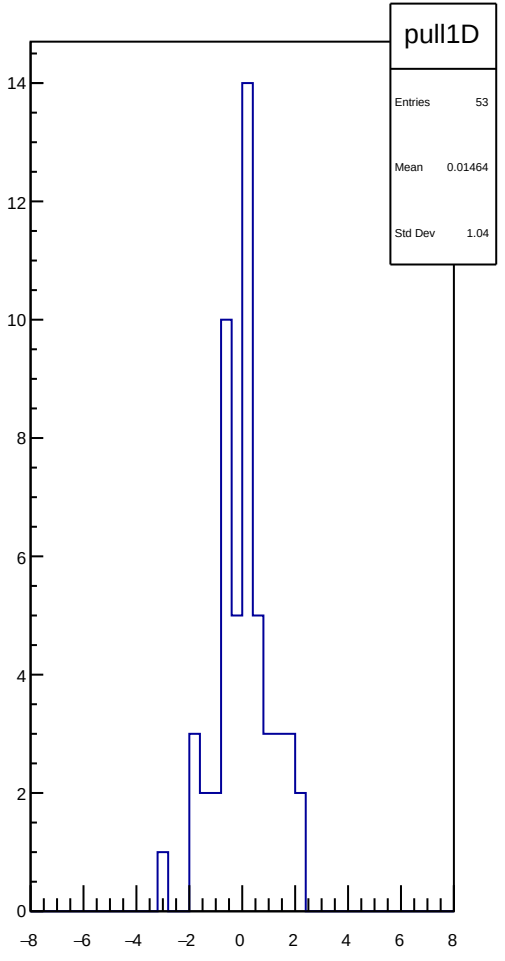

asym_us_dd_correction_rms vs run
χ² / ndf 158.9 / 52
p0 414.3 ± 0.4048
430
425
420
415
410
405
400
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

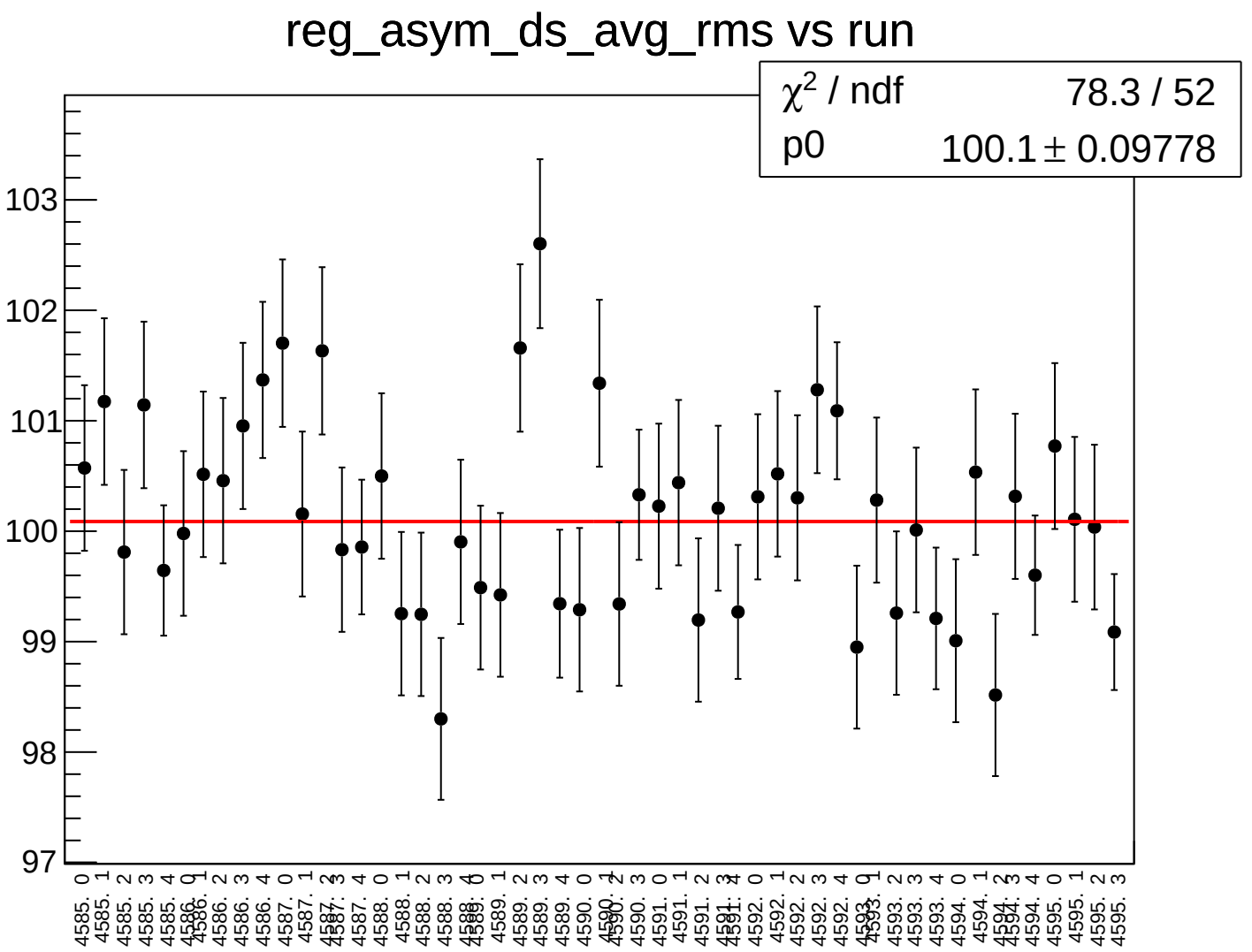

asym_us_dd_mean vs run
χ² / ndf 48.3 / 52
p0 −391.9 ± 586.4
pull
Entries 53
Mean 12.6
Std Dev 83.45

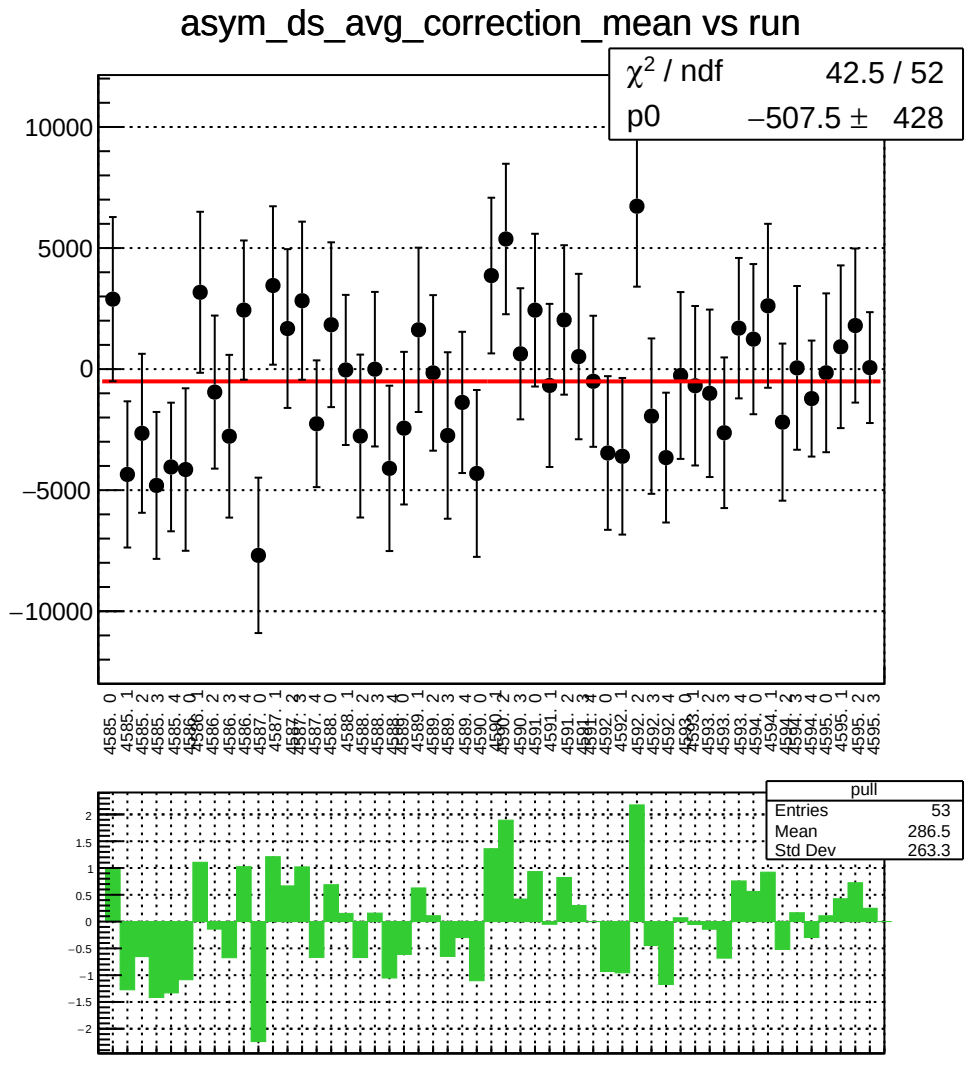

pull1D
Entries 53
Mean 0.003688
Std Dev 0.9546

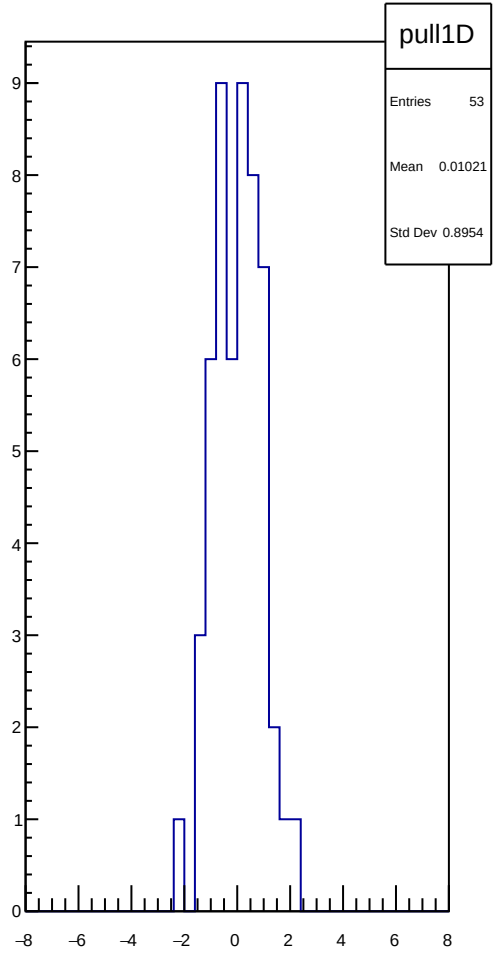

asym_us_dd_rms vs run
χ² / ndf 145 / 52
p0 424.4 ± 0.4147
440
435
430
425
420
415
410
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

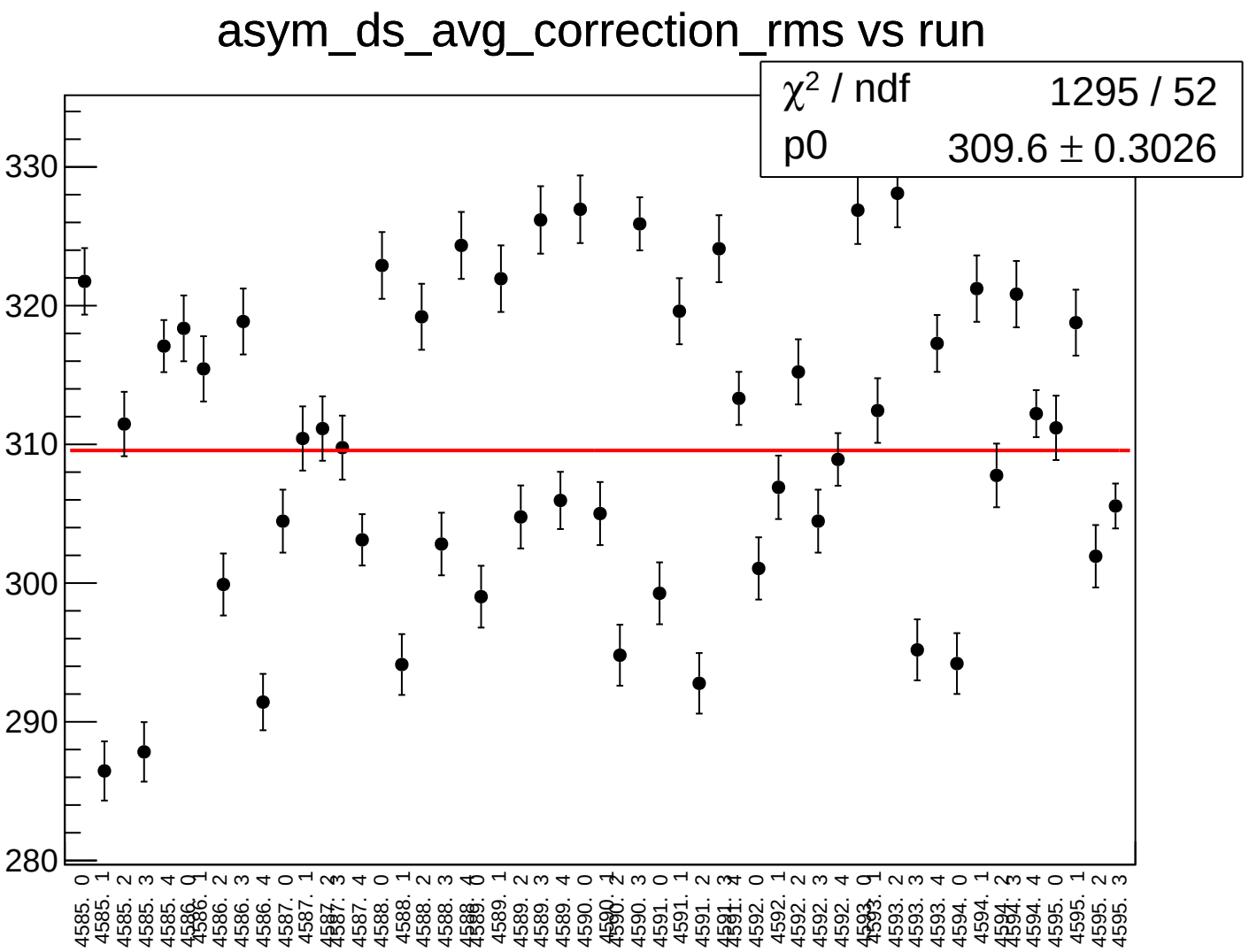

reg_asym_ds_avg_mean vs run
χ² / ndf 57.29 / 52
p0 −767.2 ± 138.3
pull
Entries 53
Mean −237.4
Std Dev 264.7

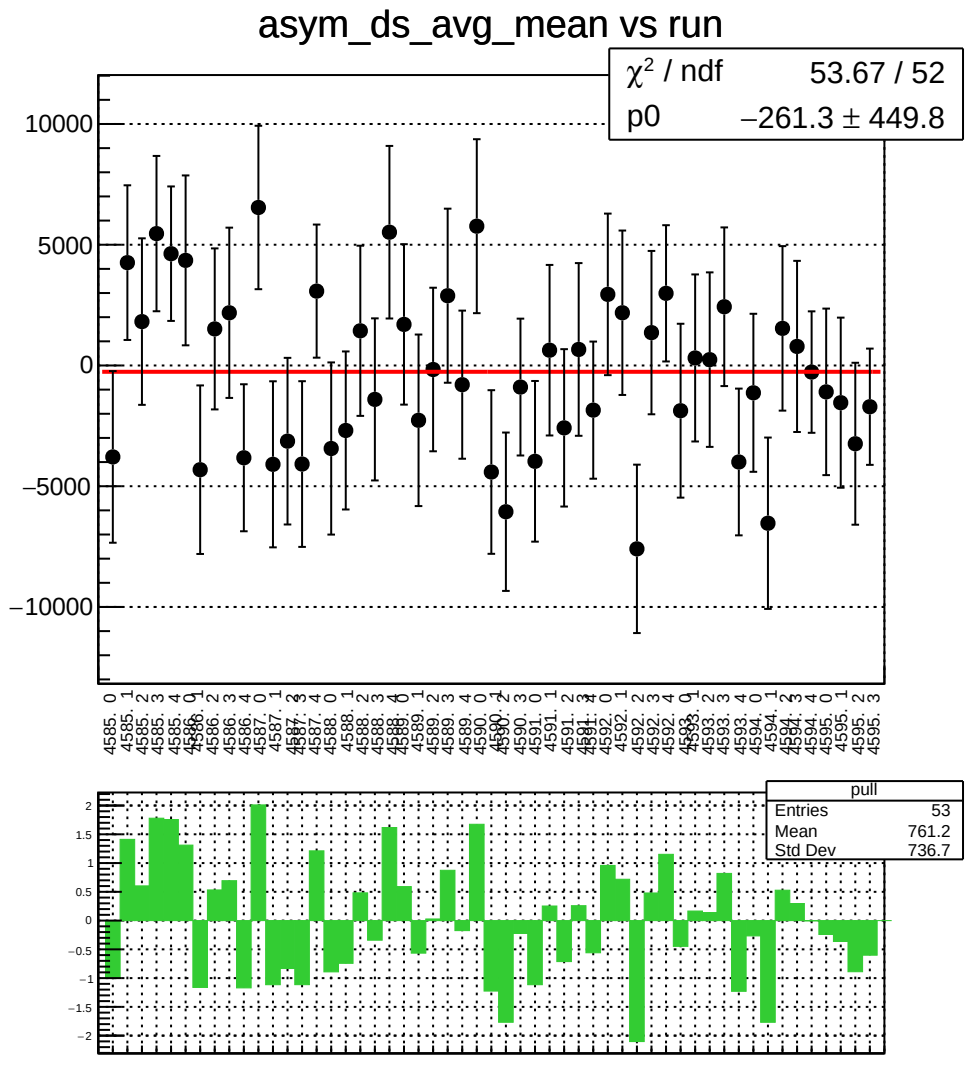

pull1D
Entries 53
Mean 0.01464
Std Dev 1.04

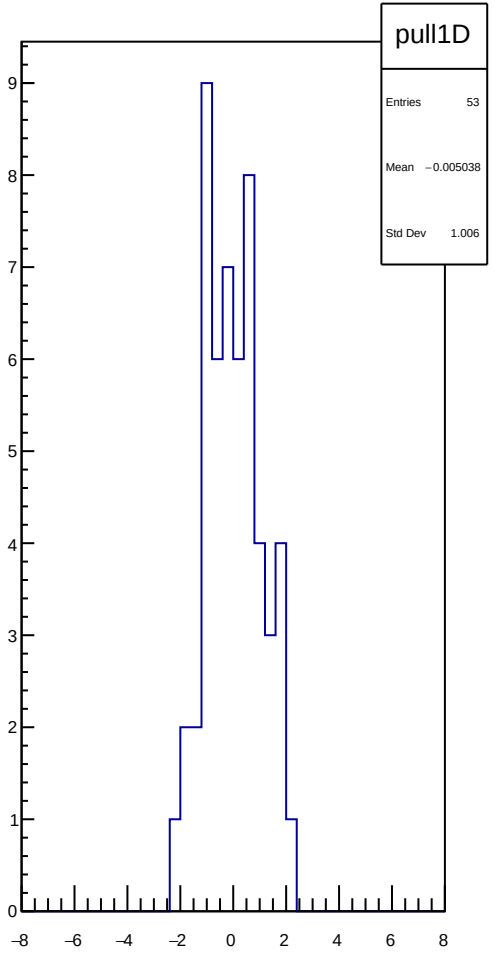

reg_asym_ds_avg_rms vs run
χ² / ndf 78.3 / 52
p0 100.1 ± 0.09778
103
102
101
100
99
98
97
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

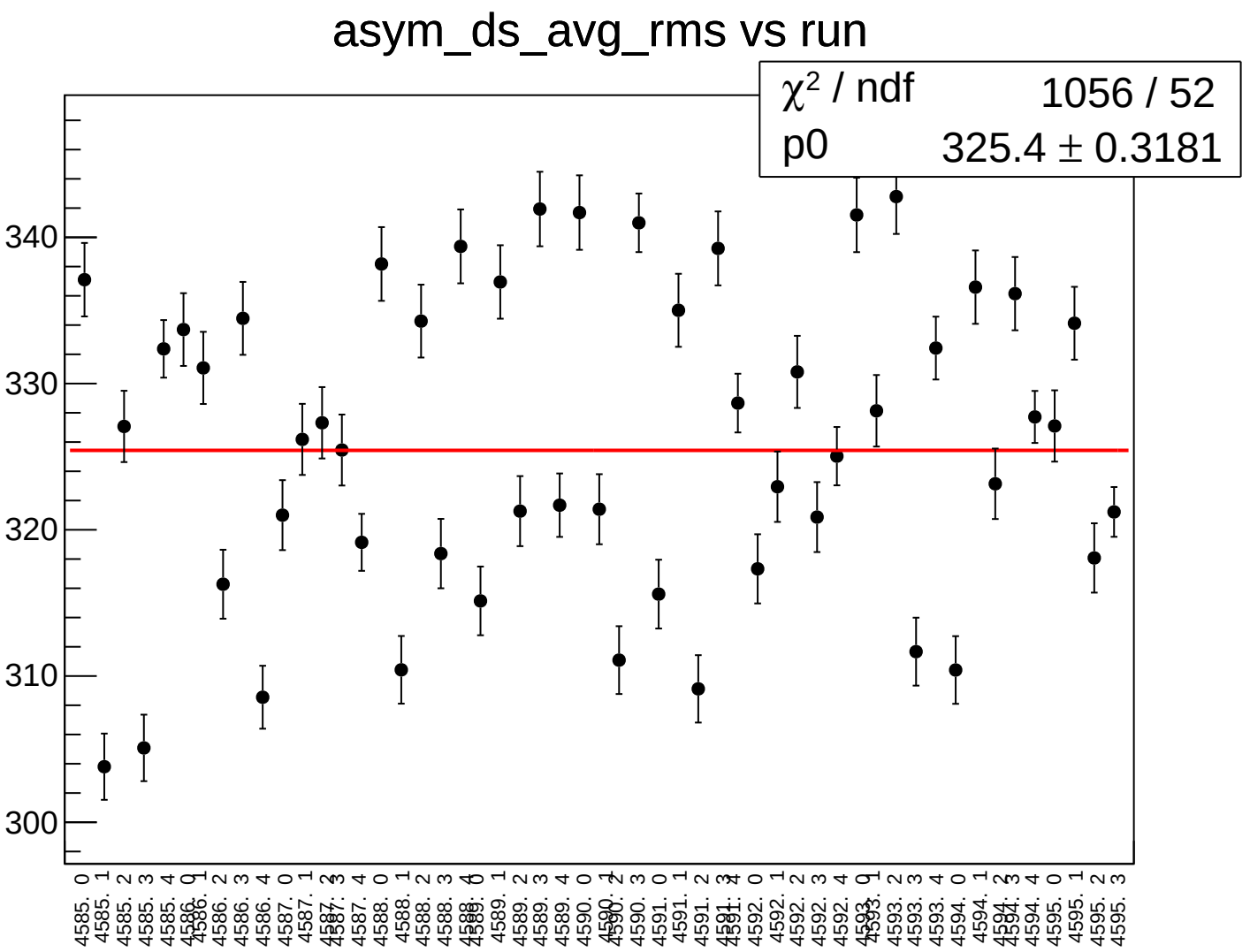

asym_ds_avg_correction_mean vs run
χ² / ndf 42.5 / 52
p0 −507.5 ± 428
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 286.5
Std Dev 263.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

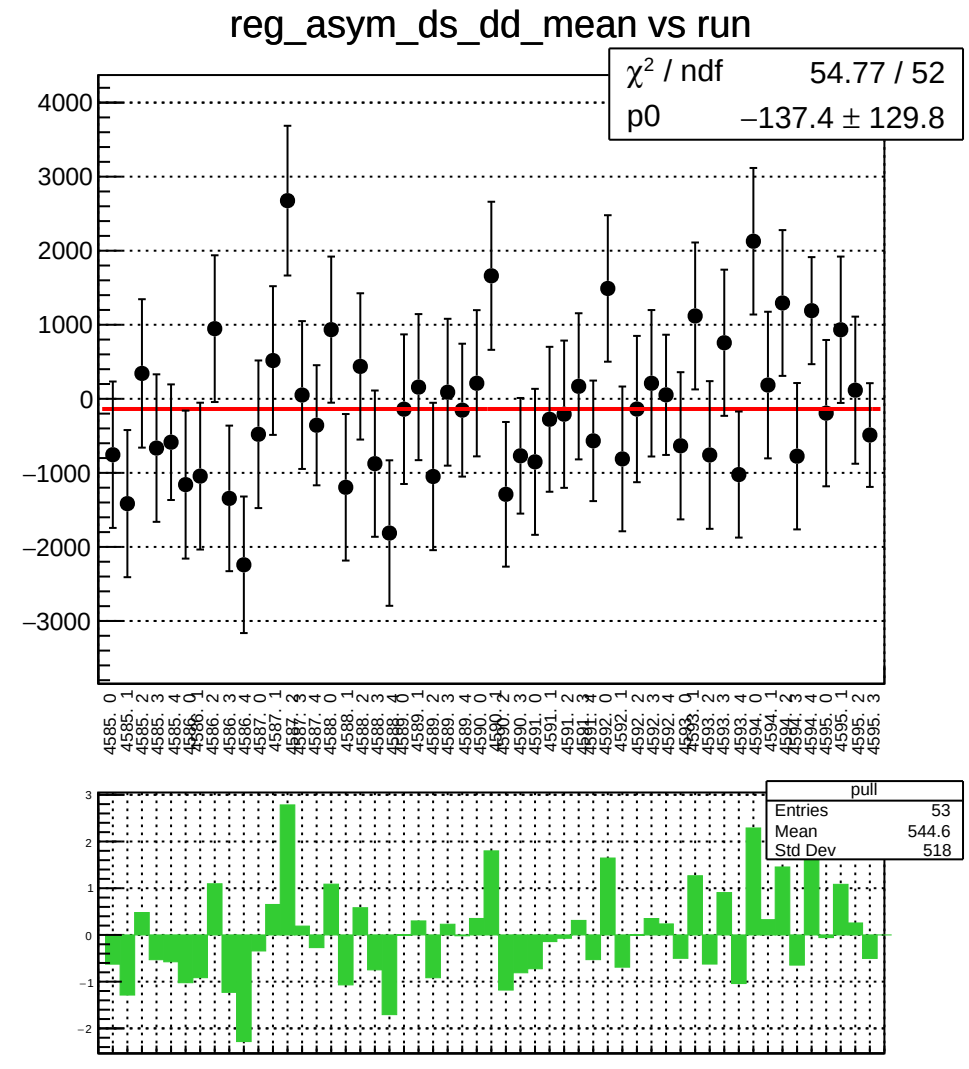

pull1D
Entries 53
Mean 0.01021
Std Dev 0.8954
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

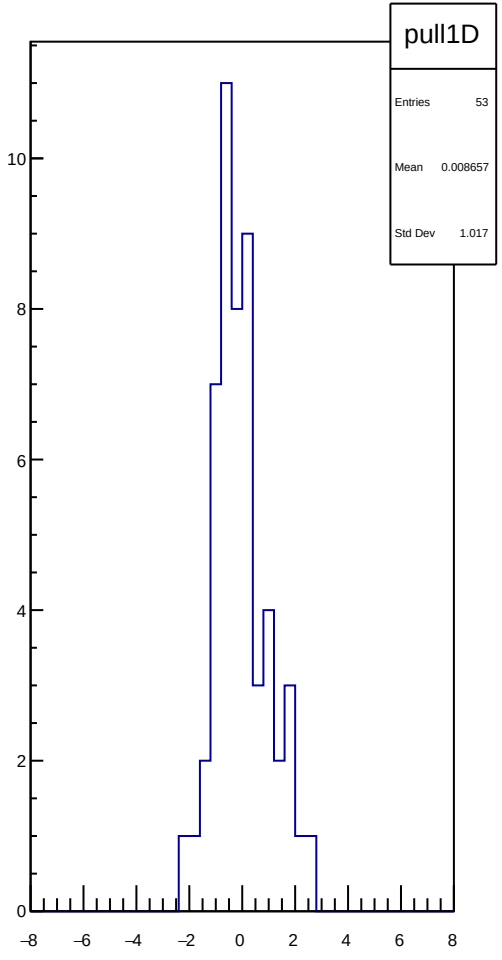

asym_ds_avg_correction_rms vs run
χ² / ndf 1295 / 52
p0 309.6 ± 0.3026
330
320
310
300
290
280
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

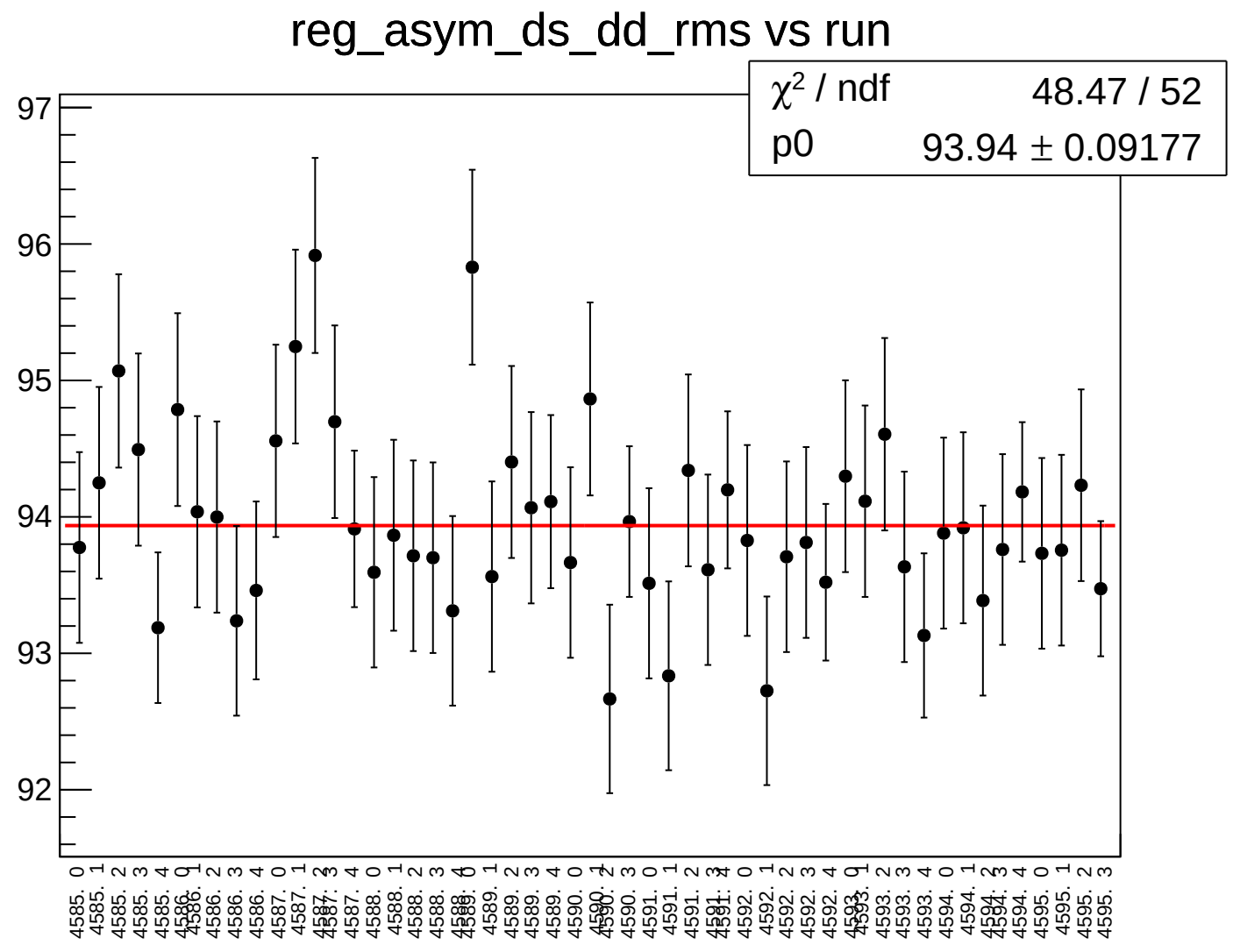

asym_ds_avg_mean vs run
χ² / ndf 53.67 / 52
p0 −261.3 ± 449.8
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 761.2
Std Dev 736.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

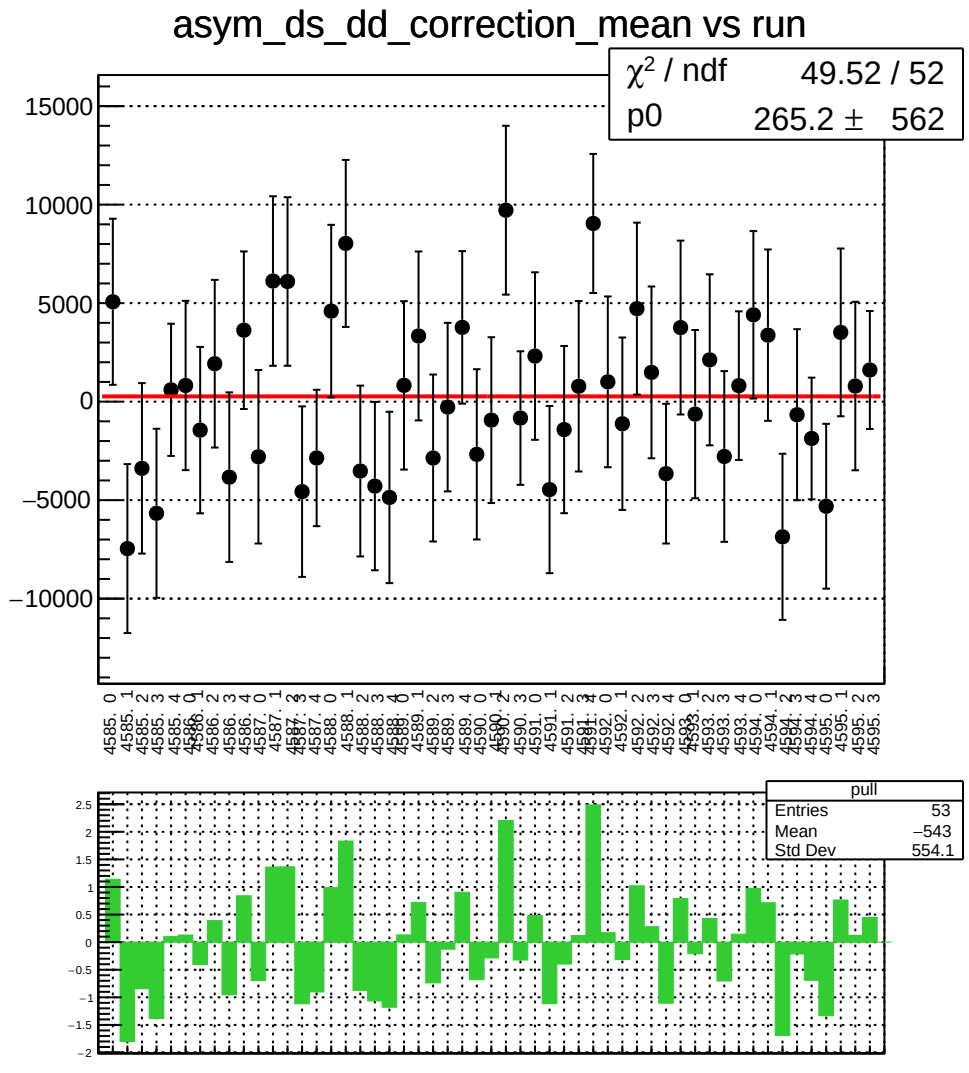

pull1D
Entries 53
Mean −0.005038
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

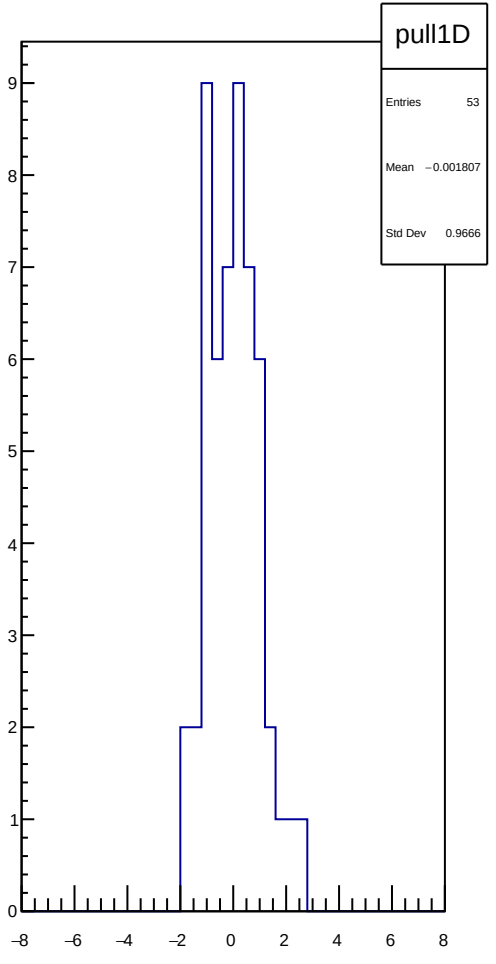

asym_ds_avg_rms vs run
χ² / ndf 1056 / 52
p0 325.4 ± 0.3181
340
330
320
310
300
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

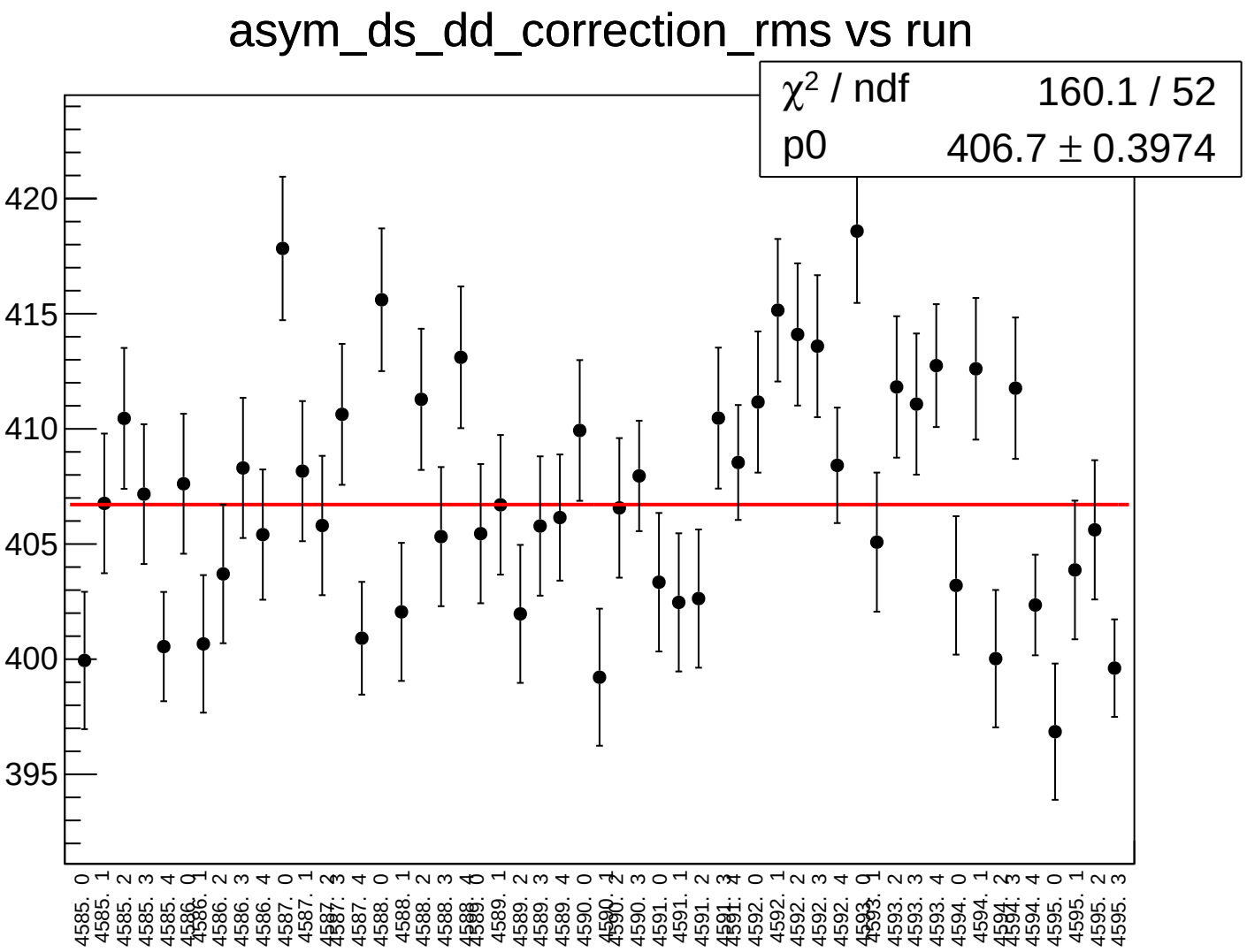

reg_asym_ds_dd_mean vs run
χ² / ndf 54.77 / 52
p0 −137.4 ± 129.8
pull
Entries 53
Mean 544.6
Std Dev 518

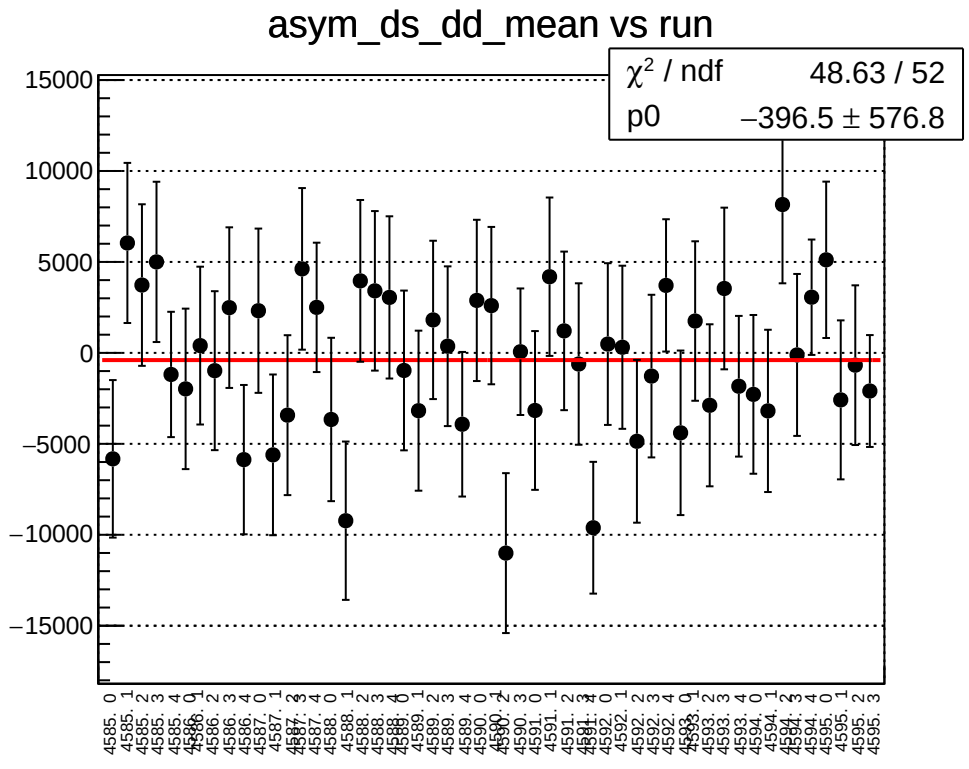

pull1D
Entries 53
Mean 0.008657
Std Dev 1.017

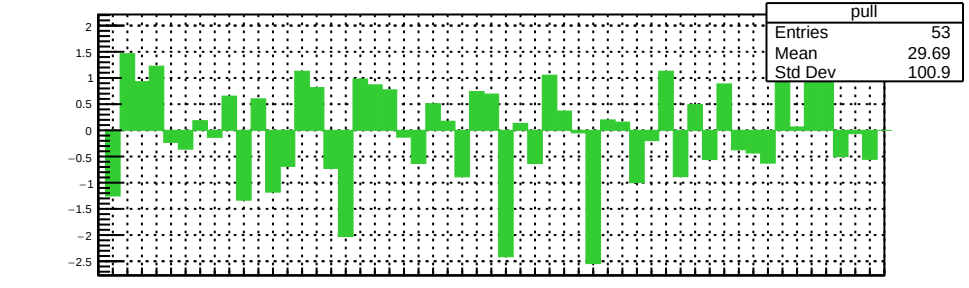

reg_asym_ds_dd_rms vs run
χ² / ndf 48.47 / 52
p0 93.94 ± 0.09177
97
96
95
94
93
92
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

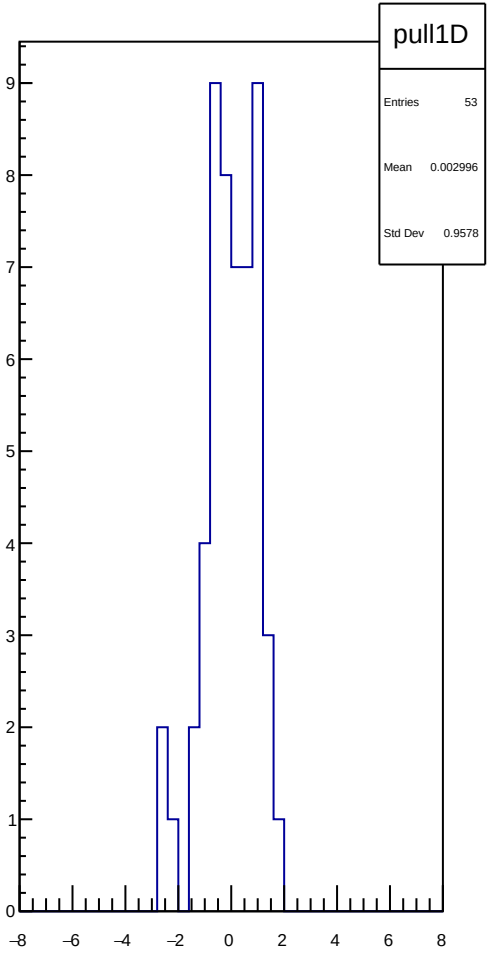

asym_ds_dd_correction_mean vs run
χ² / ndf 49.52 / 52
p0 265.2 ± 562
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −543
Std Dev 554.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

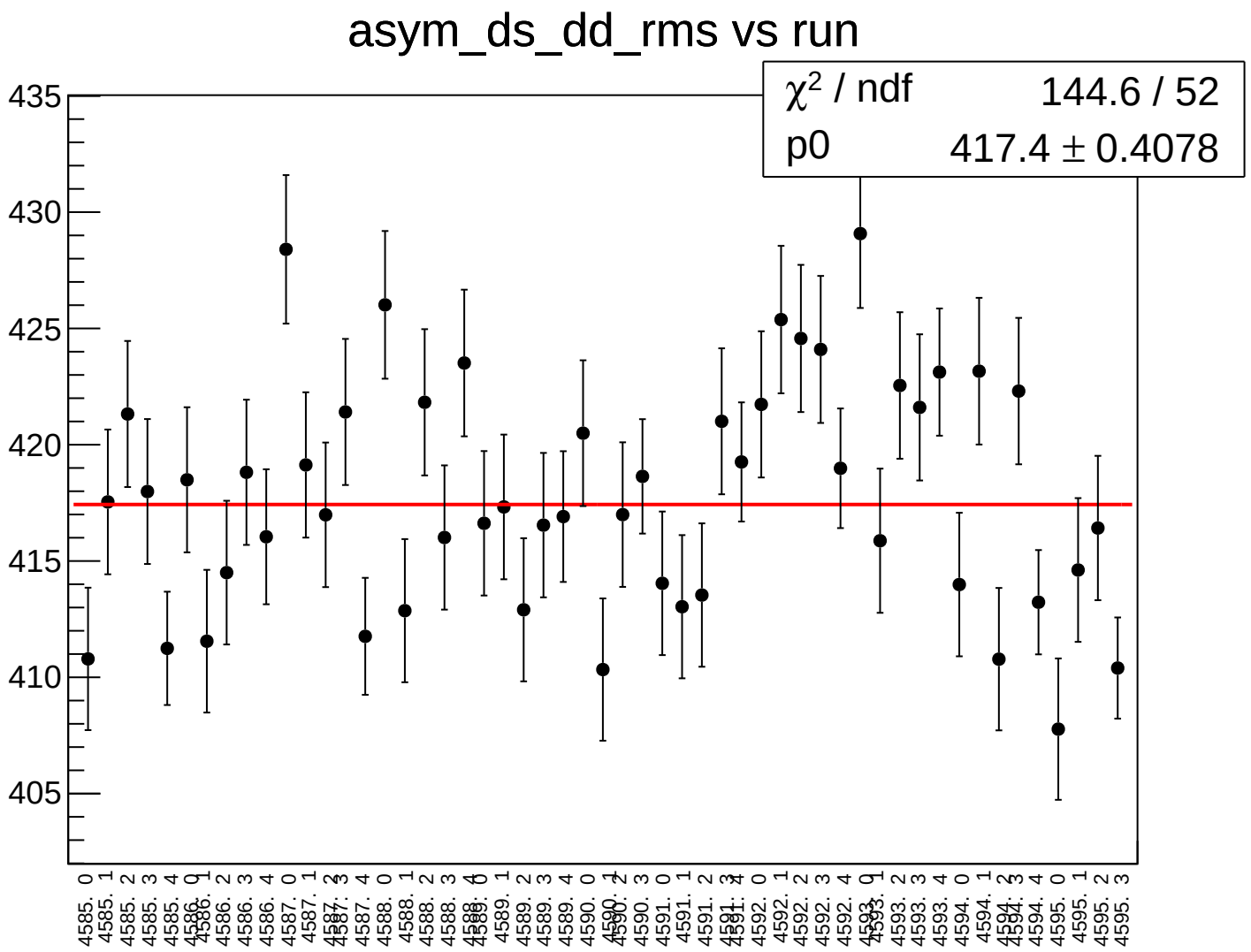

pull1D
Entries 53
Mean −0.001807
Std Dev 0.9666
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

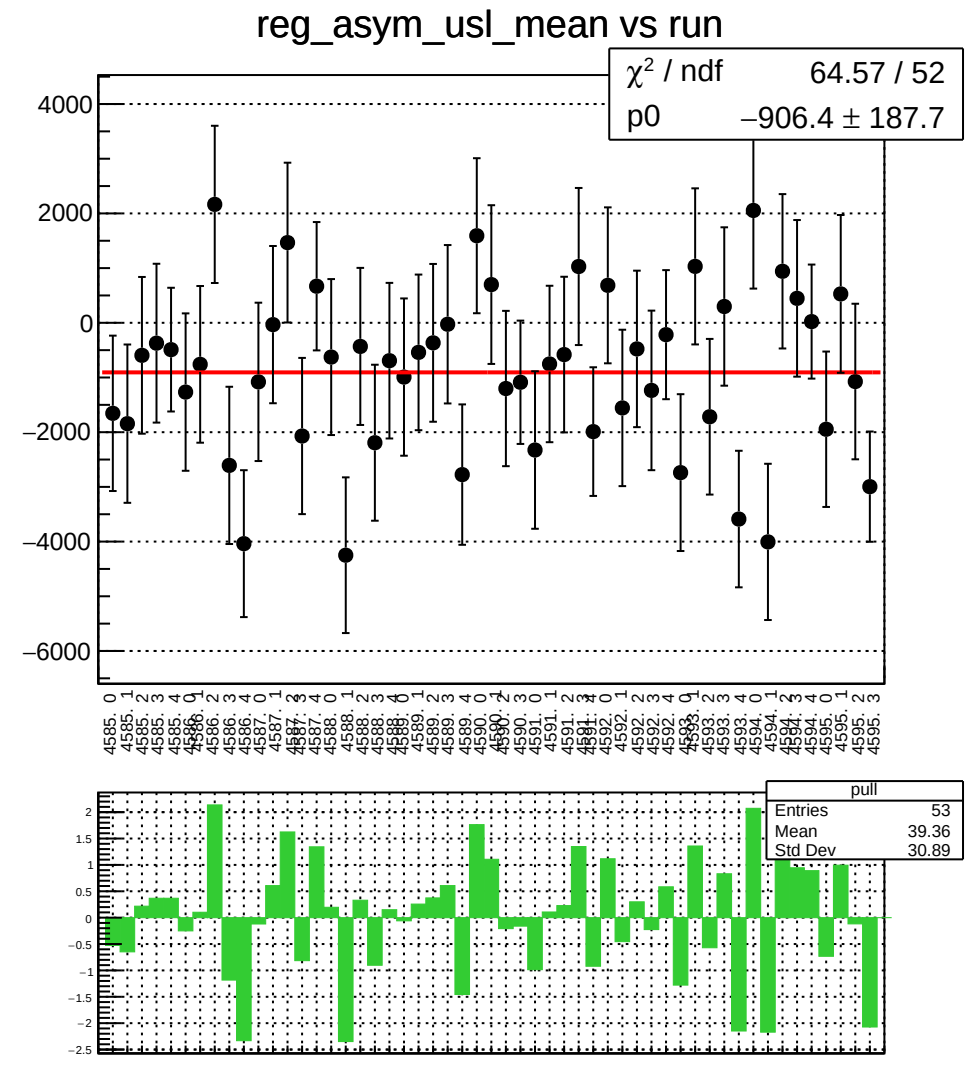

asym_ds_dd_correction_rms vs run
χ² / ndf 160.1 / 52
p0 406.7 ± 0.3974
420
415
410
405
400
395
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

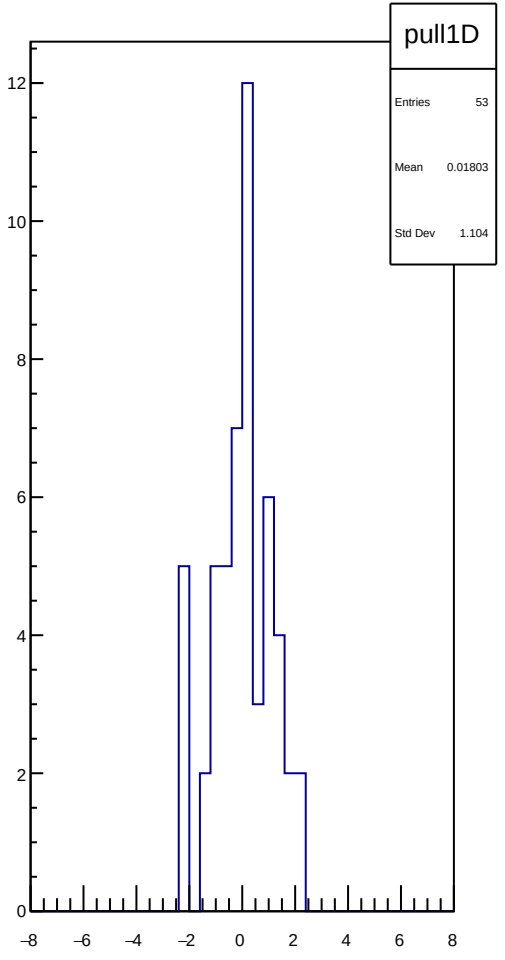

asym_ds_dd_mean vs run
χ² / ndf 48.63 / 52
p0 −396.5 ± 576.8
15000
10000
5000
0
−5000
−10000
−15000

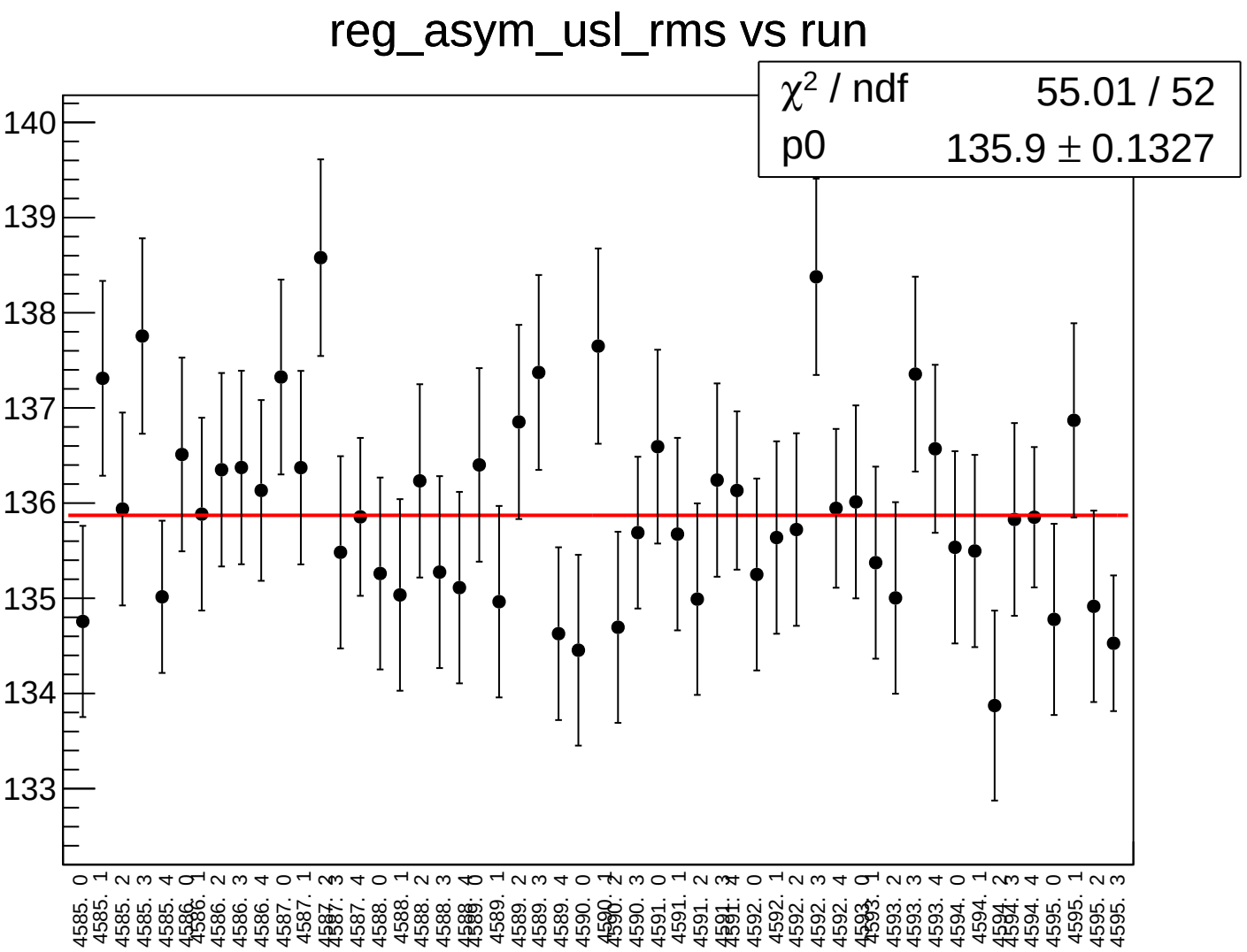

pull
Entries 53
Mean 29.69
Std Dev 100.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

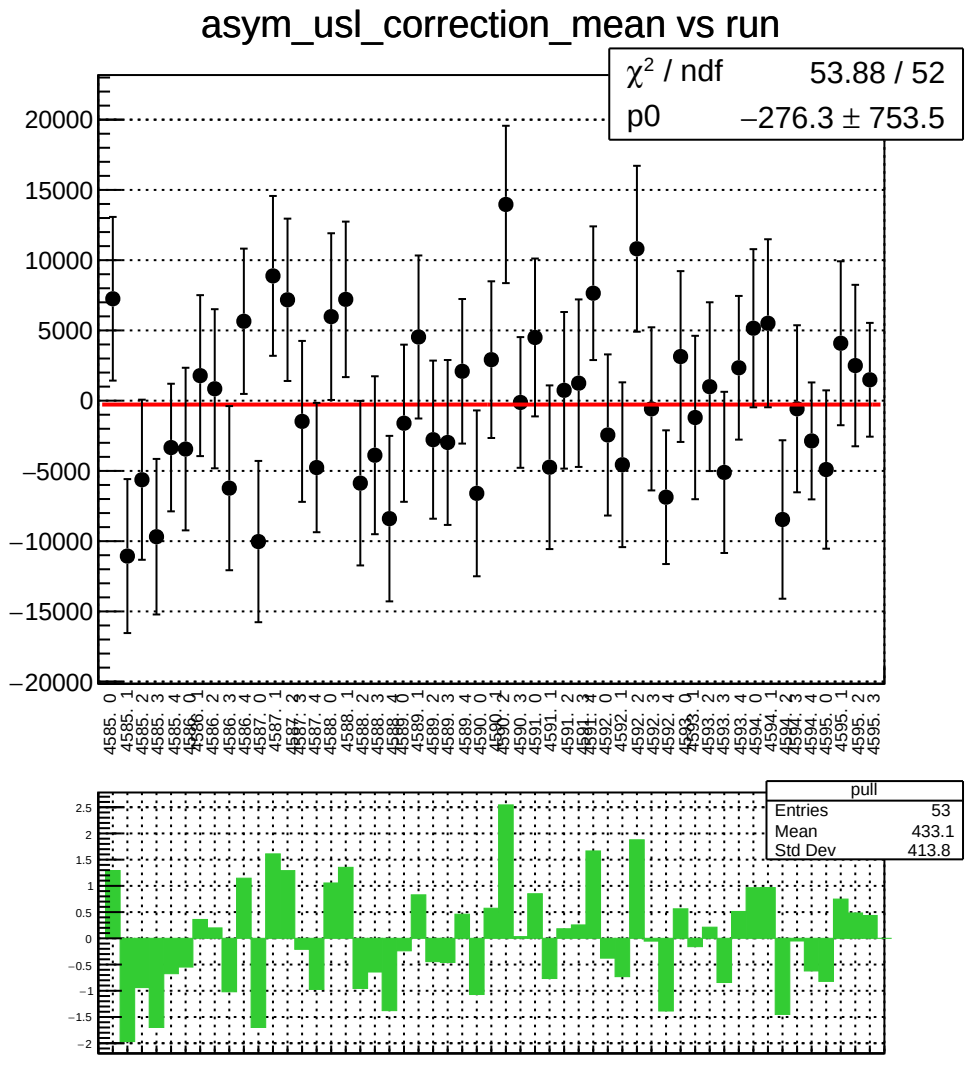

pull1D
Entries 53
Mean 0.002996
Std Dev 0.9578
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

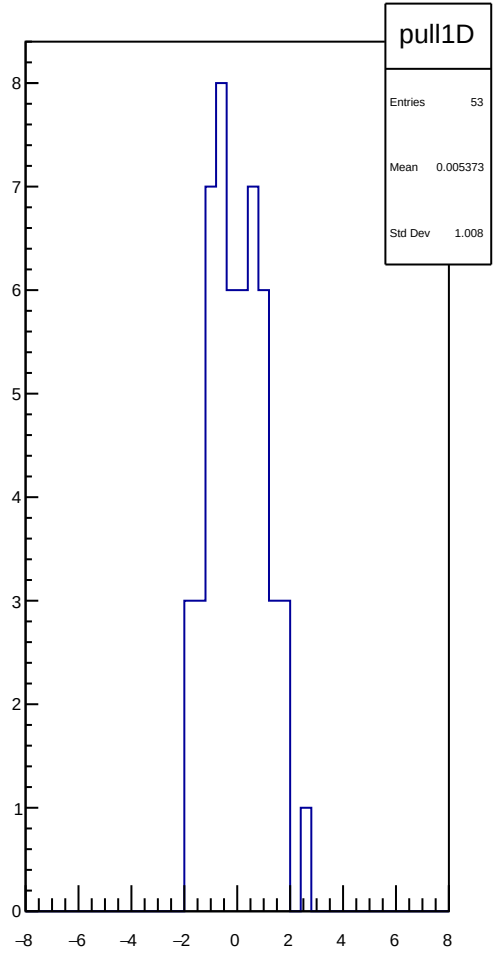

asym_ds_dd_rms vs run
χ² / ndf 144.6 / 52
p0 417.4 ± 0.4078
435
430
425
420
415
410
405
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

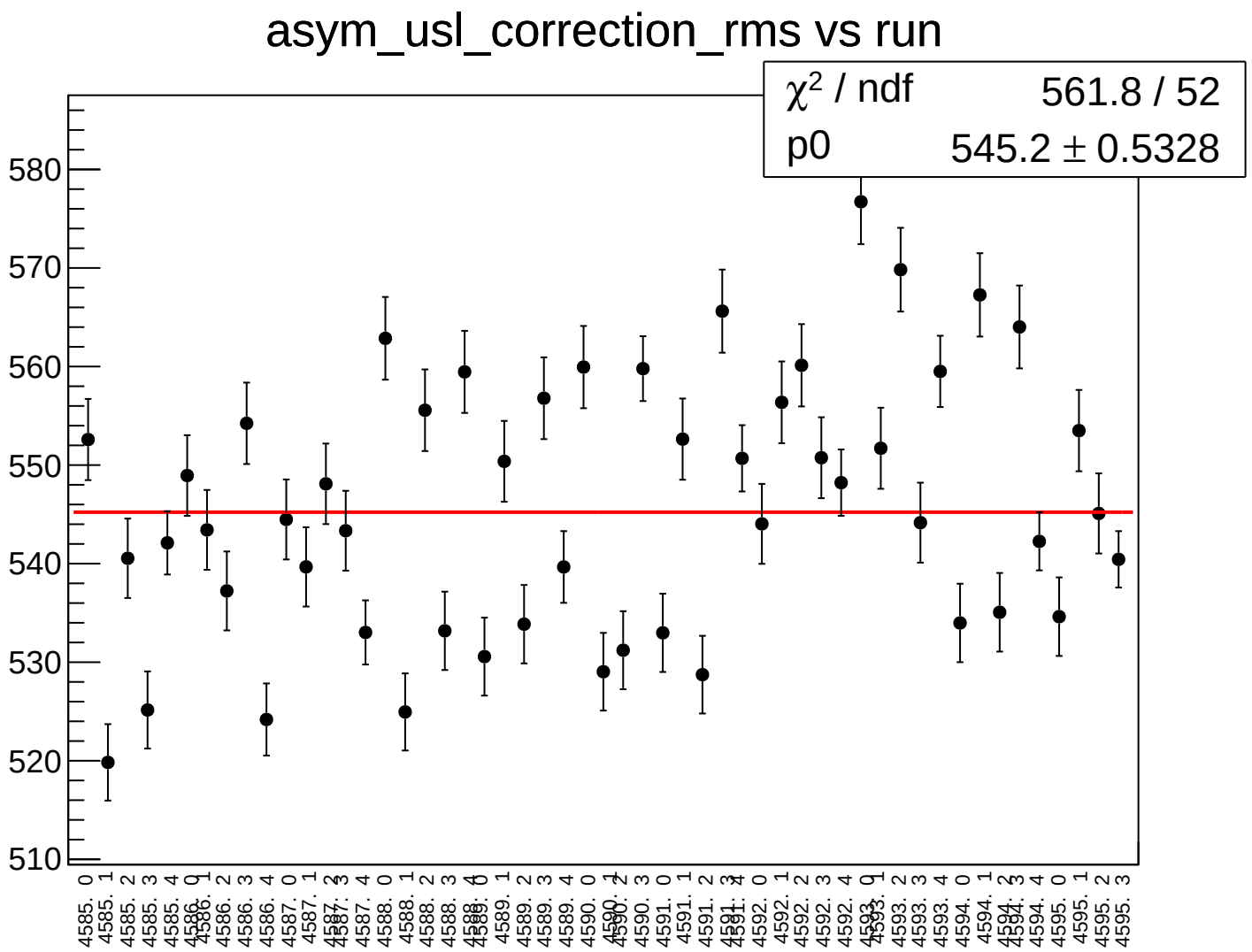

reg_asym_usl_mean vs run
χ² / ndf 64.57 / 52
p0 −906.4 ± 187.7
pull
Entries 53
Mean 39.36
Std Dev 30.89

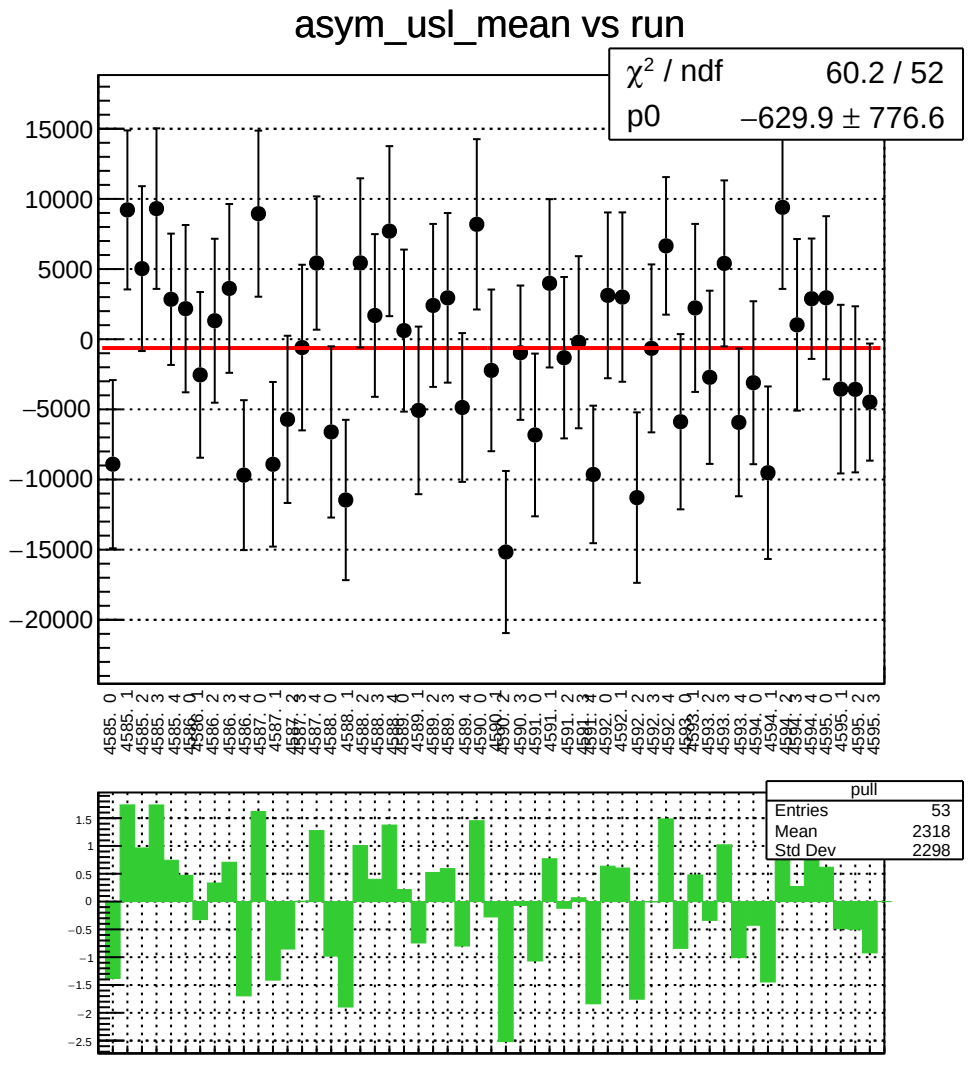

pull1D
Entries 53
Mean 0.01803
Std Dev 1.104

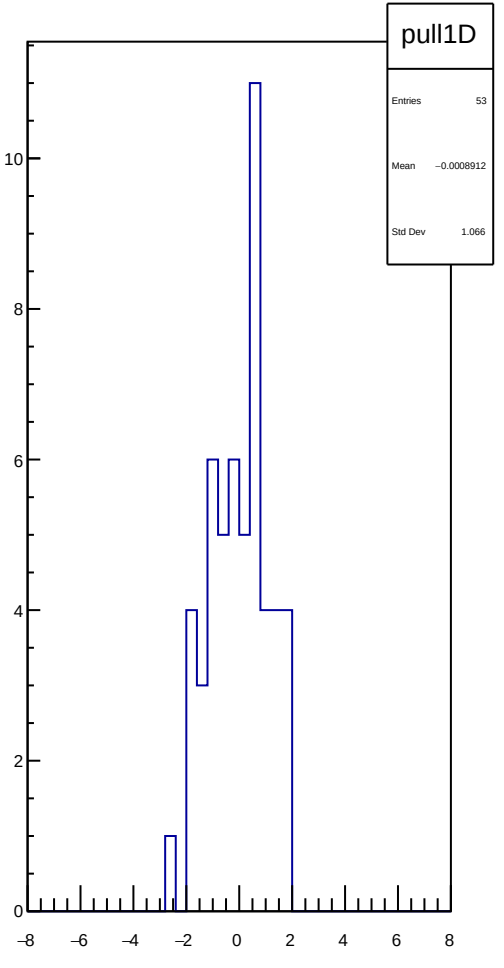

reg_asym_usl_rms vs run
χ² / ndf 55.01 / 52
p0 135.9 ± 0.1327
140
139
138
137
136
135
134
133
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

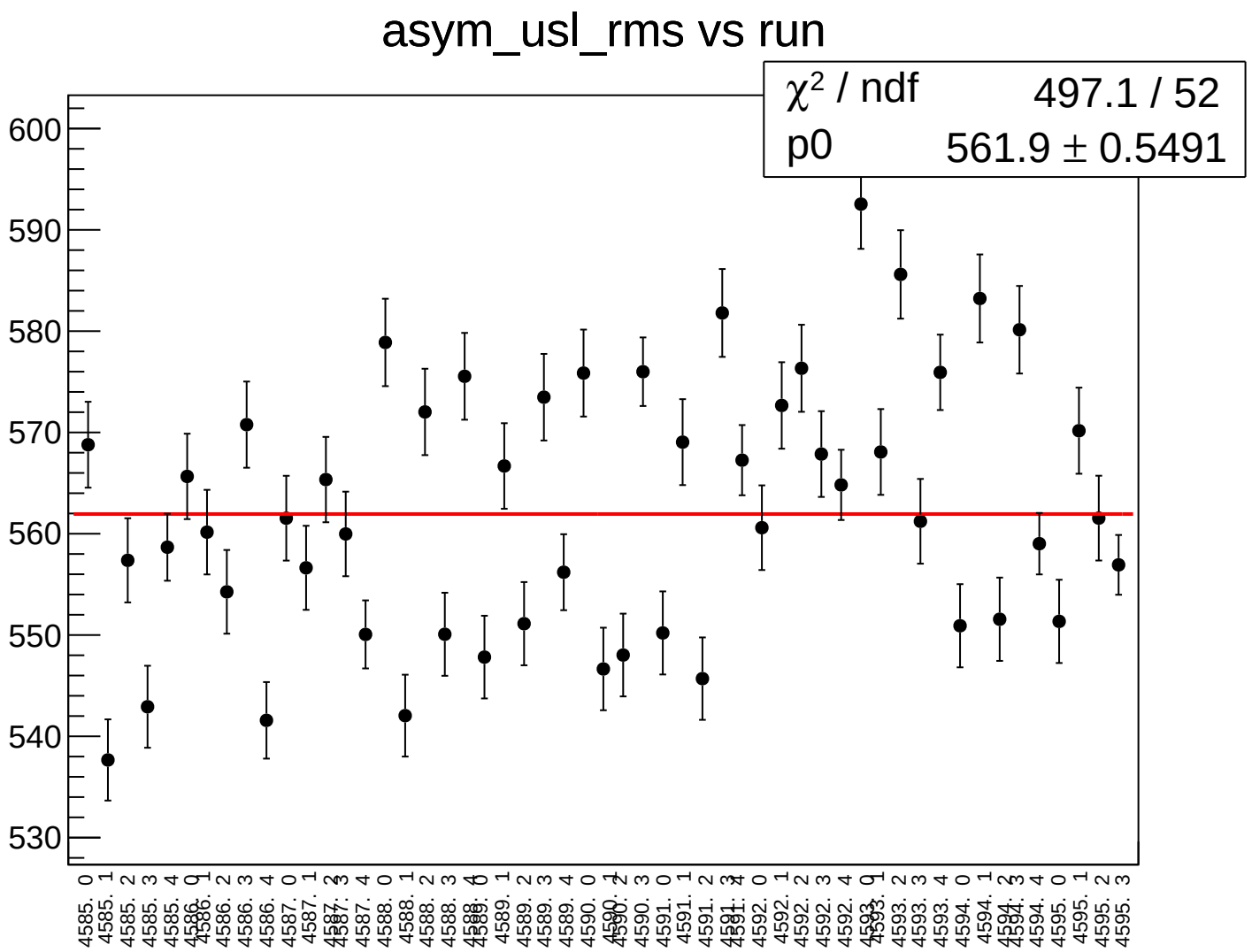

asym_usl_correction_mean vs run
χ² / ndf 53.88 / 52
p0 −276.3 ± 753.5
pull
Entries 53
Mean 433.1
Std Dev 413.8

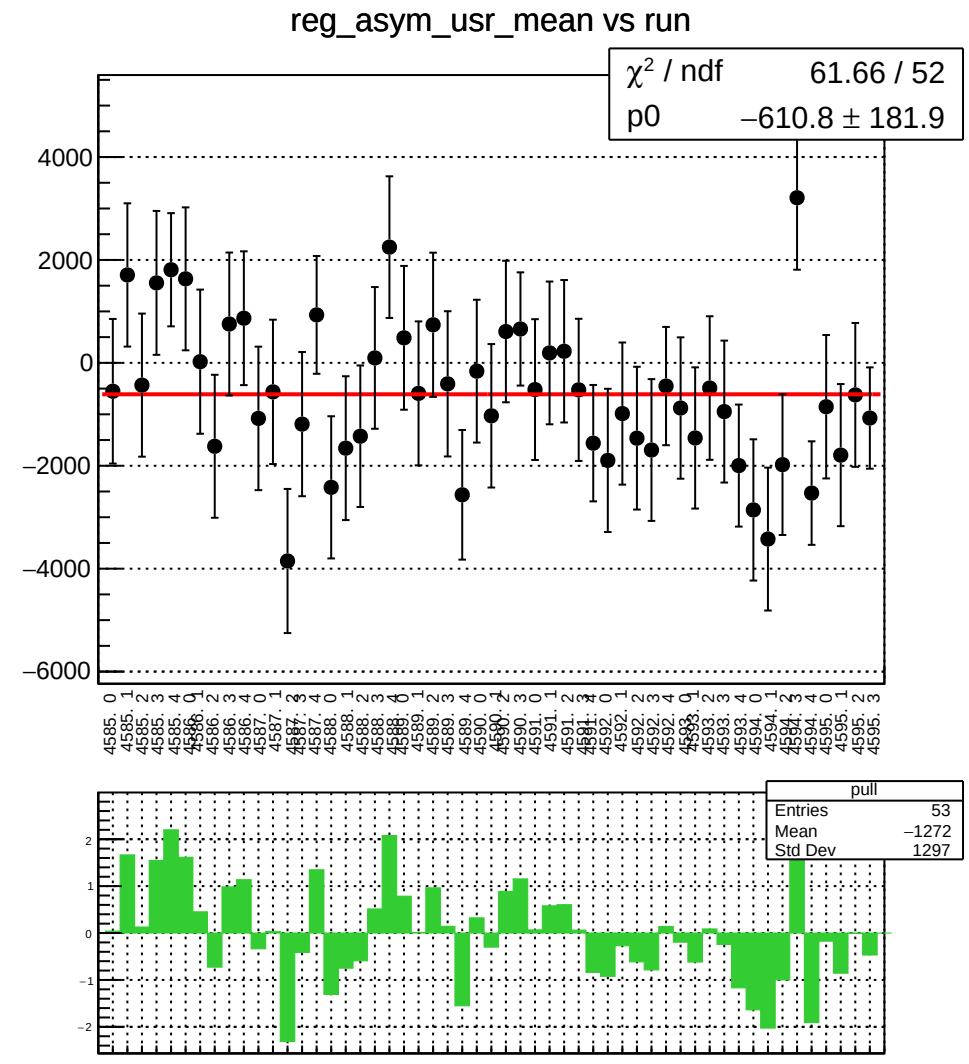

pull1D
Entries 53
Mean 0.005373
Std Dev 1.008

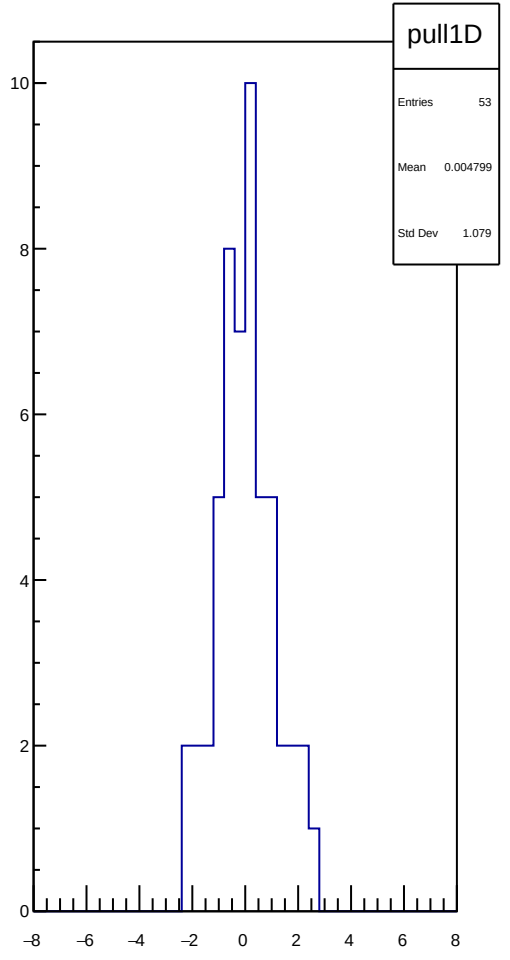

asym_usl_correction_rms vs run
χ² / ndf 561.8 / 52
p0 545.2 ± 0.5328
580
570
560
550
540
530
520
510
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

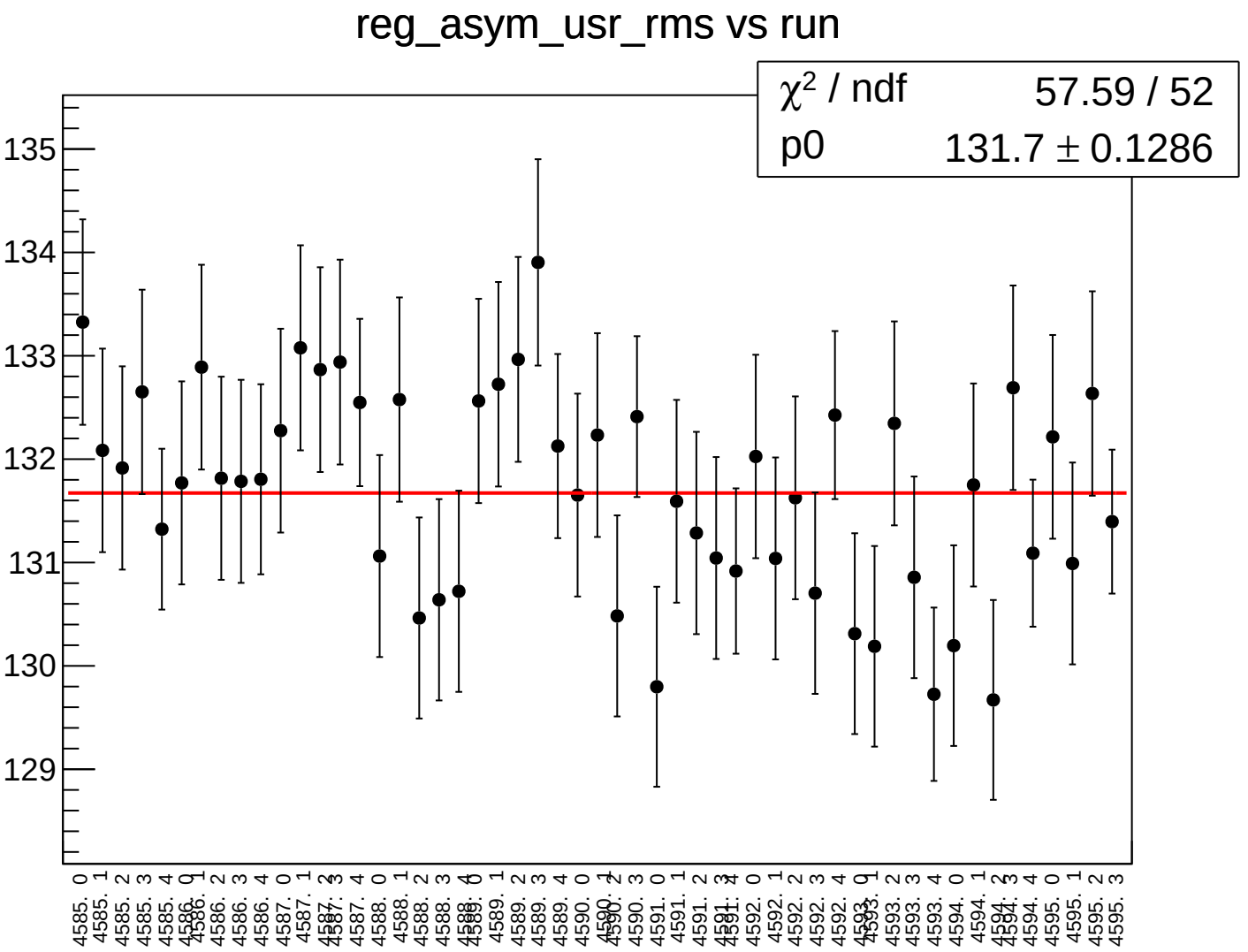

asym_usl_mean vs run
χ^2 / ndf 60.2 / 52
p0 −629.9 ± 776.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean 2318
Std Dev 2298
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

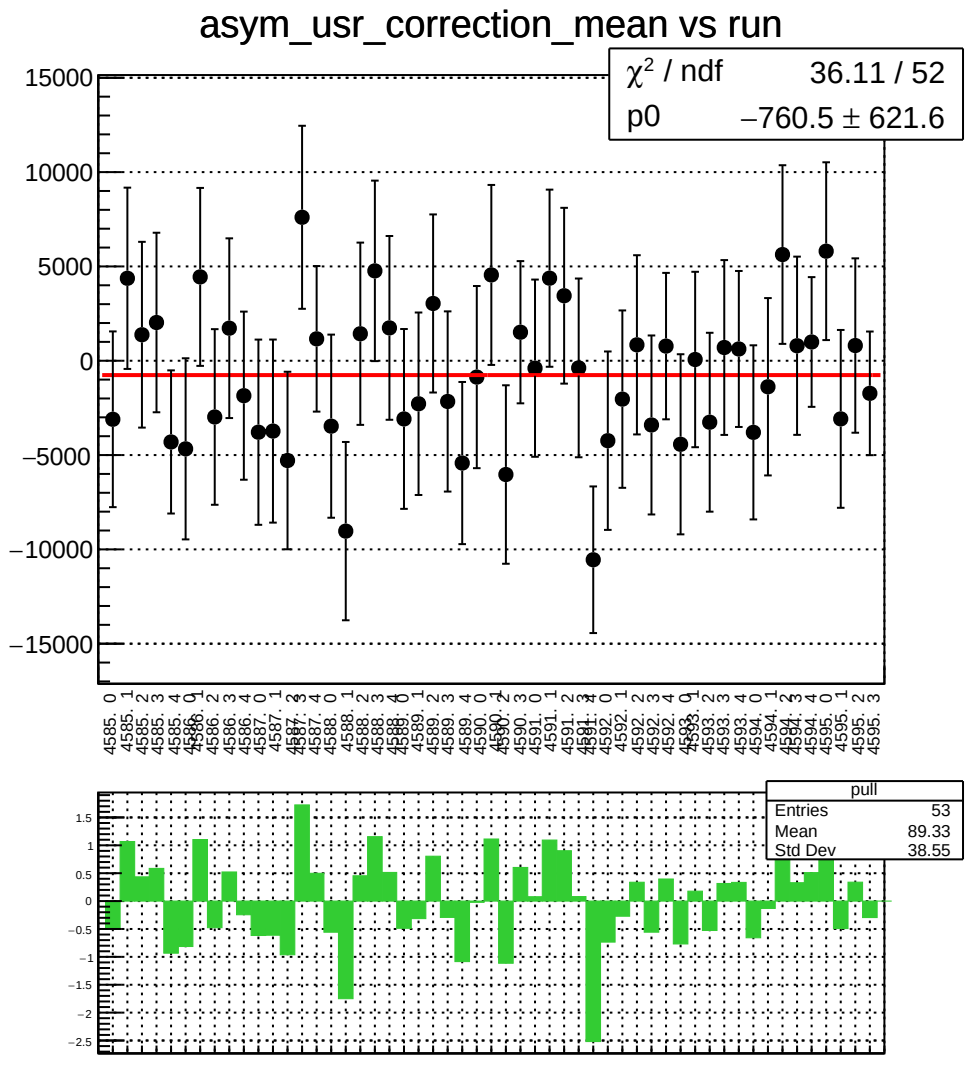

pull1D
Entries 53
Mean −0.0008912
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

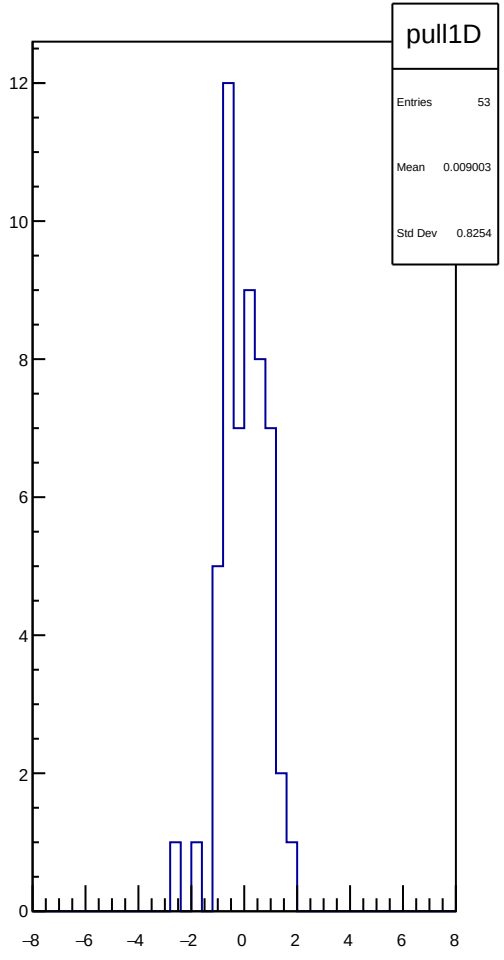

asym_usl_rms vs run
χ² / ndf 497.1 / 52
p0 561.9 ± 0.5491
600
590
580
570
560
550
540
530
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

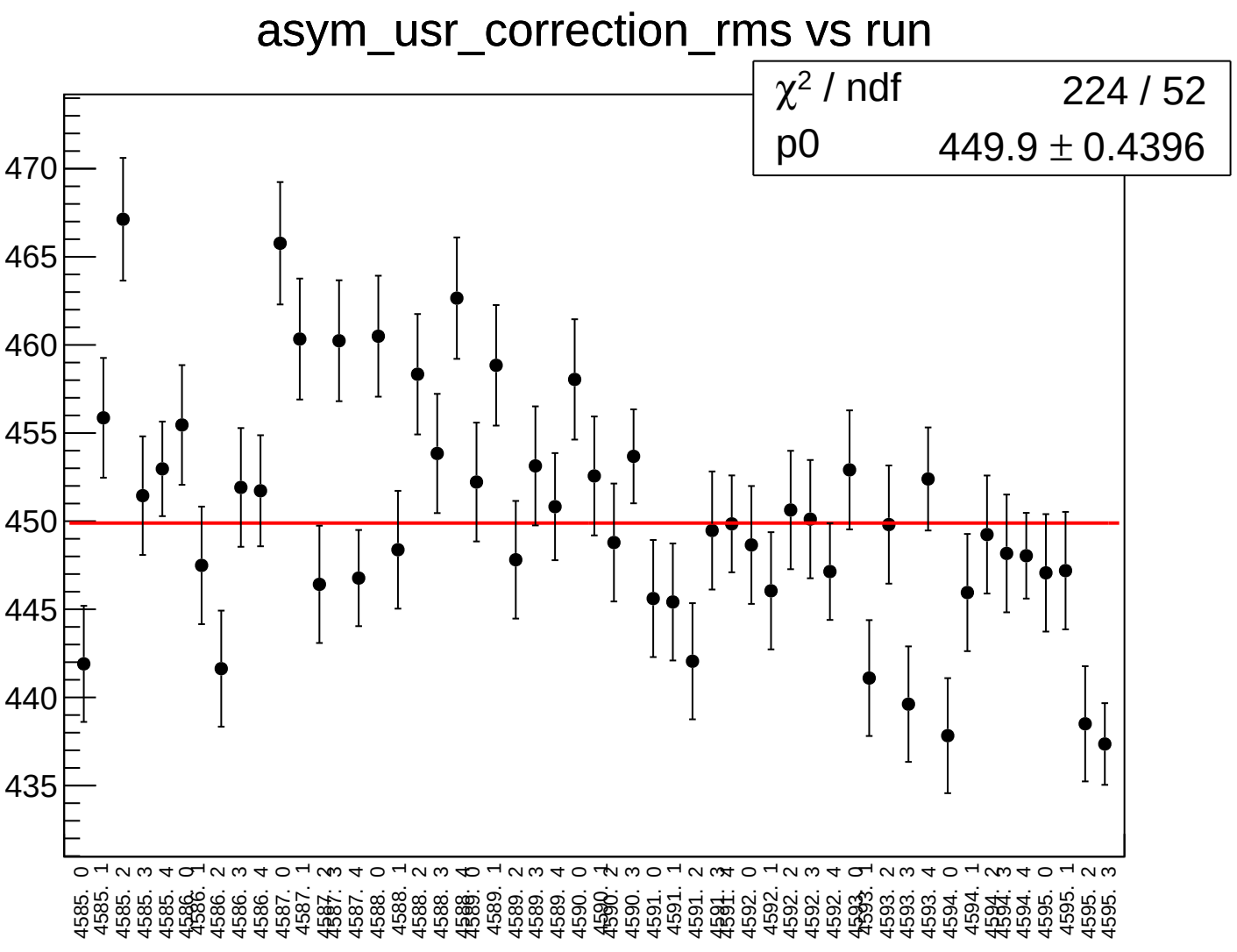

reg_asym_usr_mean vs run
χ² / ndf 61.66 / 52
p0 −610.8 ± 181.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −1272
Std Dev 1297
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.004799
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_rms vs run
χ² / ndf 57.59 / 52
p0 131.7 ± 0.1286
135
134
133
132
131
130
129
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_usr_correction_mean vs run
χ² / ndf 36.11 / 52
p0 −760.5 ± 621.6
pull
Entries 53
Mean 89.33
Std Dev 38.55


pull1D
Entries 53
Mean 0.009003
Std Dev 0.8254


asym_usr_correction_rms vs run
χ² / ndf 224 / 52
p0 449.9 ± 0.4396
470
465
460
455
450
445
440
435
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
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4590. 2
4590. 3
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4591. 1
4591. 2
4591. 3
4591. 4
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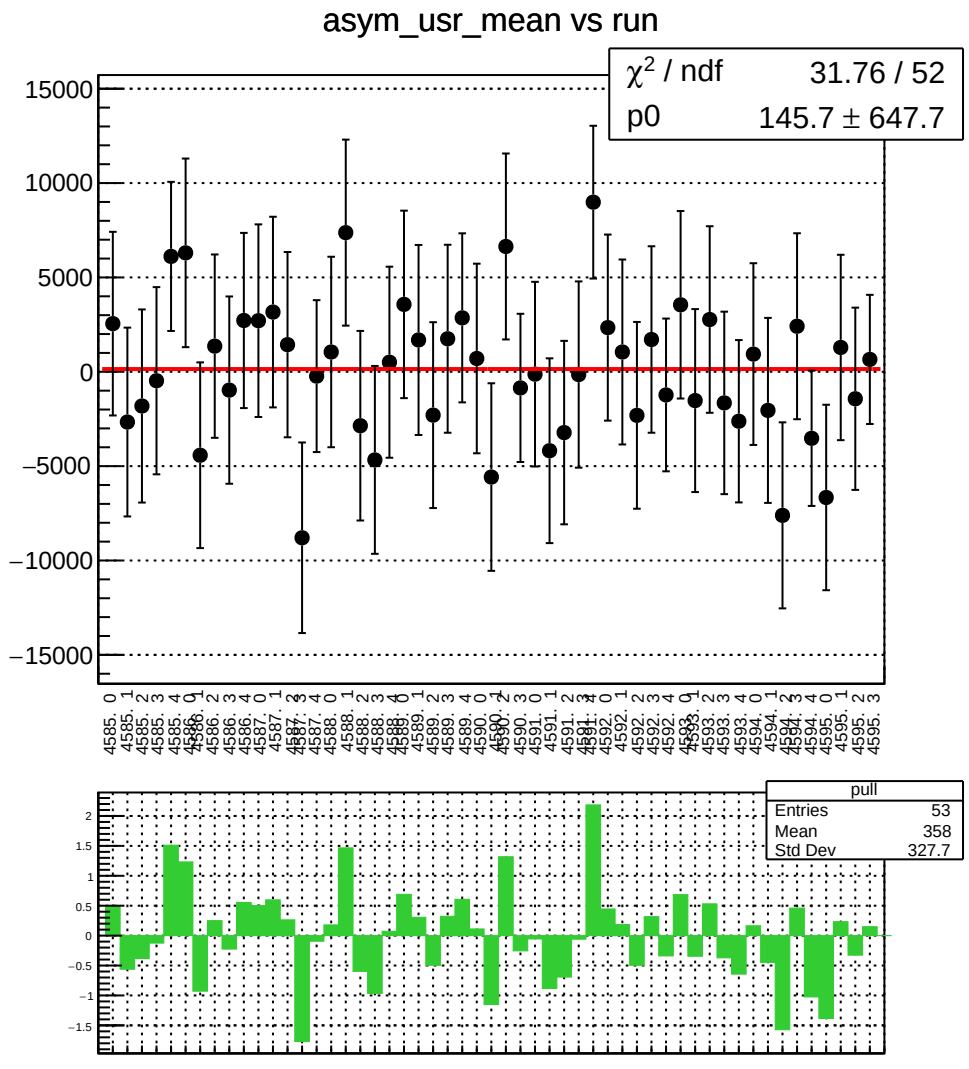
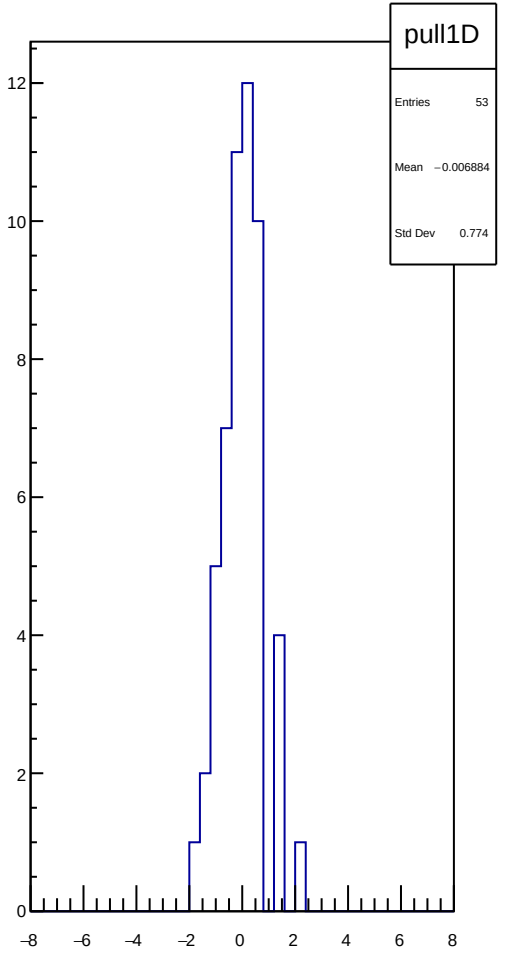
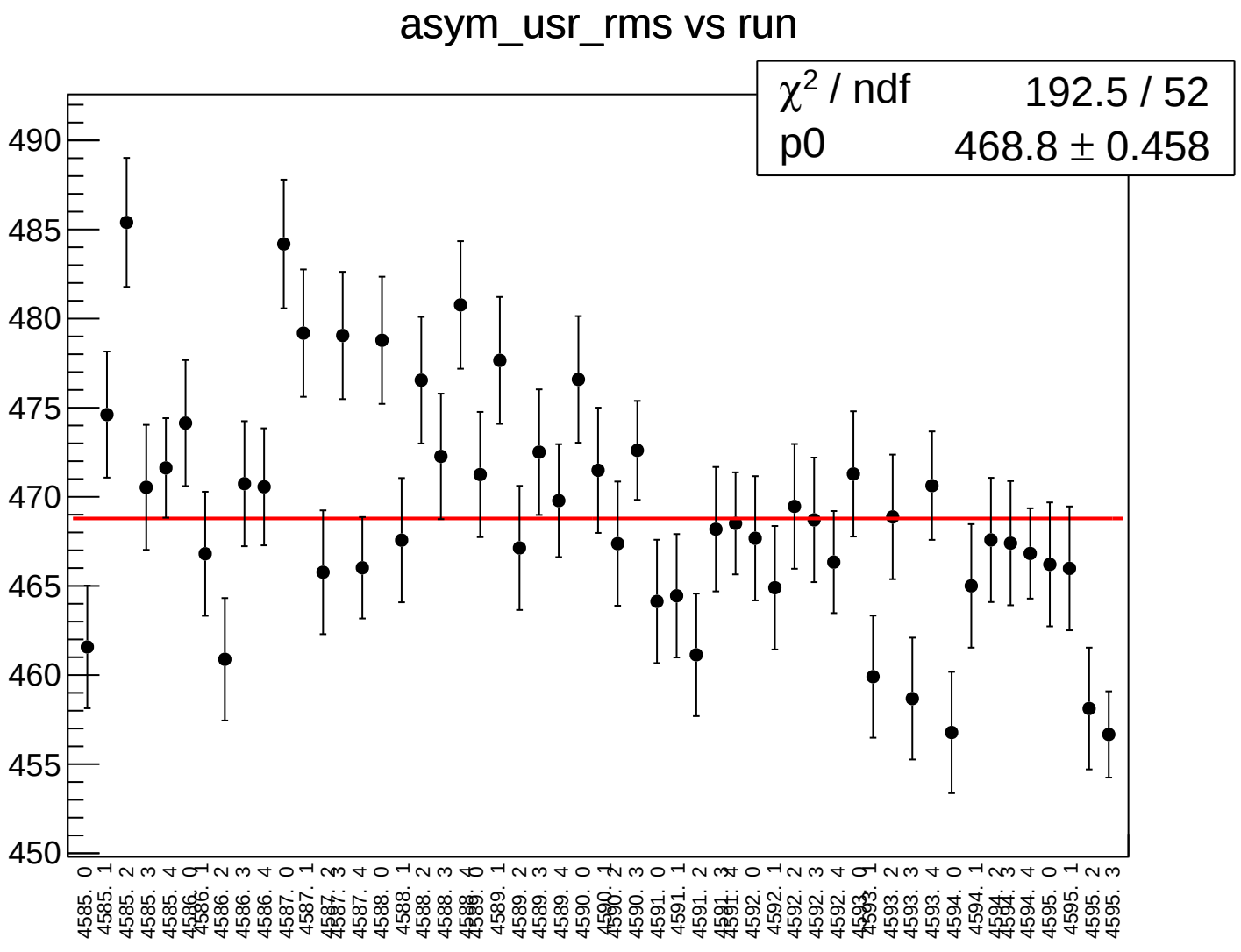
4595. 2
4595. 3


asym_usr_mean vs run
χ² / ndf 31.76 / 52
p0 145.7 ± 647.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 358
Std Dev 327.7
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean −0.006884
Std Dev 0.774
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_rms vs run
χ² / ndf 192.5 / 52
p0 468.8 ± 0.458
490
485
480
475
470
465
460
455
450
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
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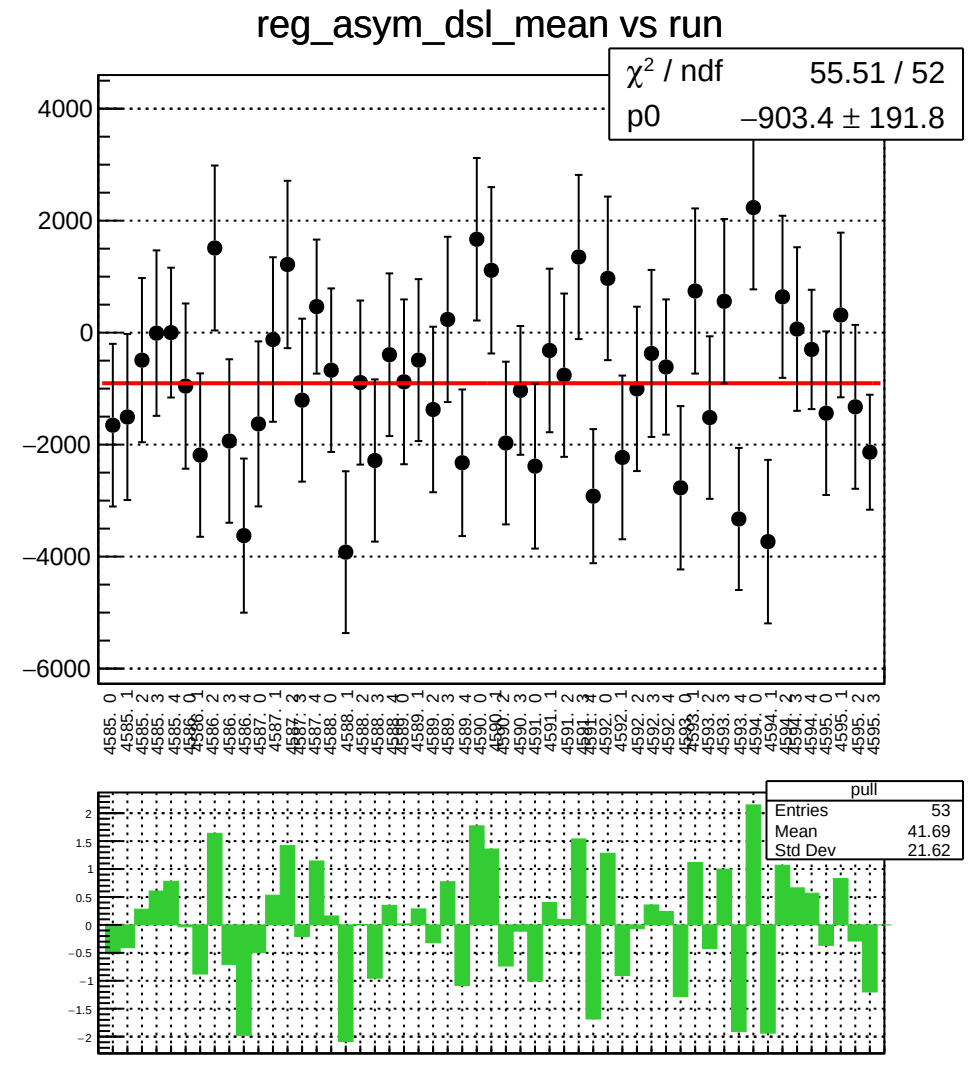
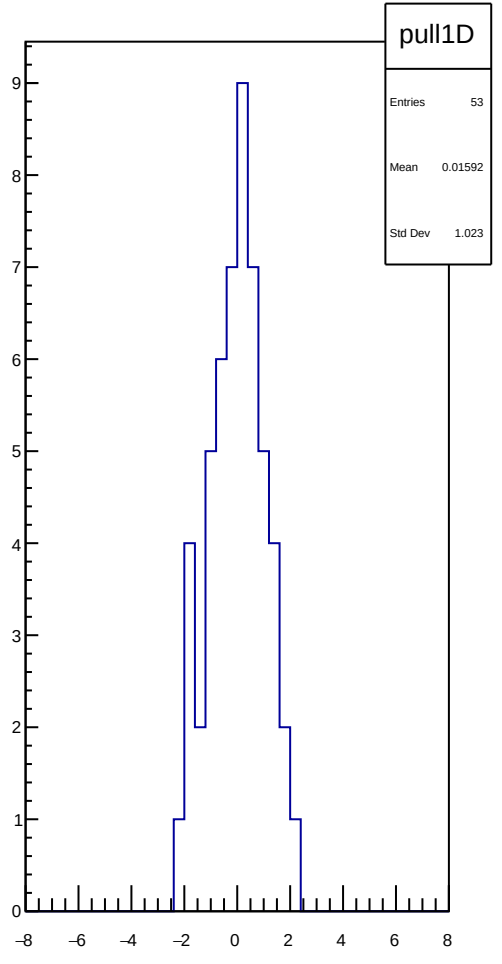
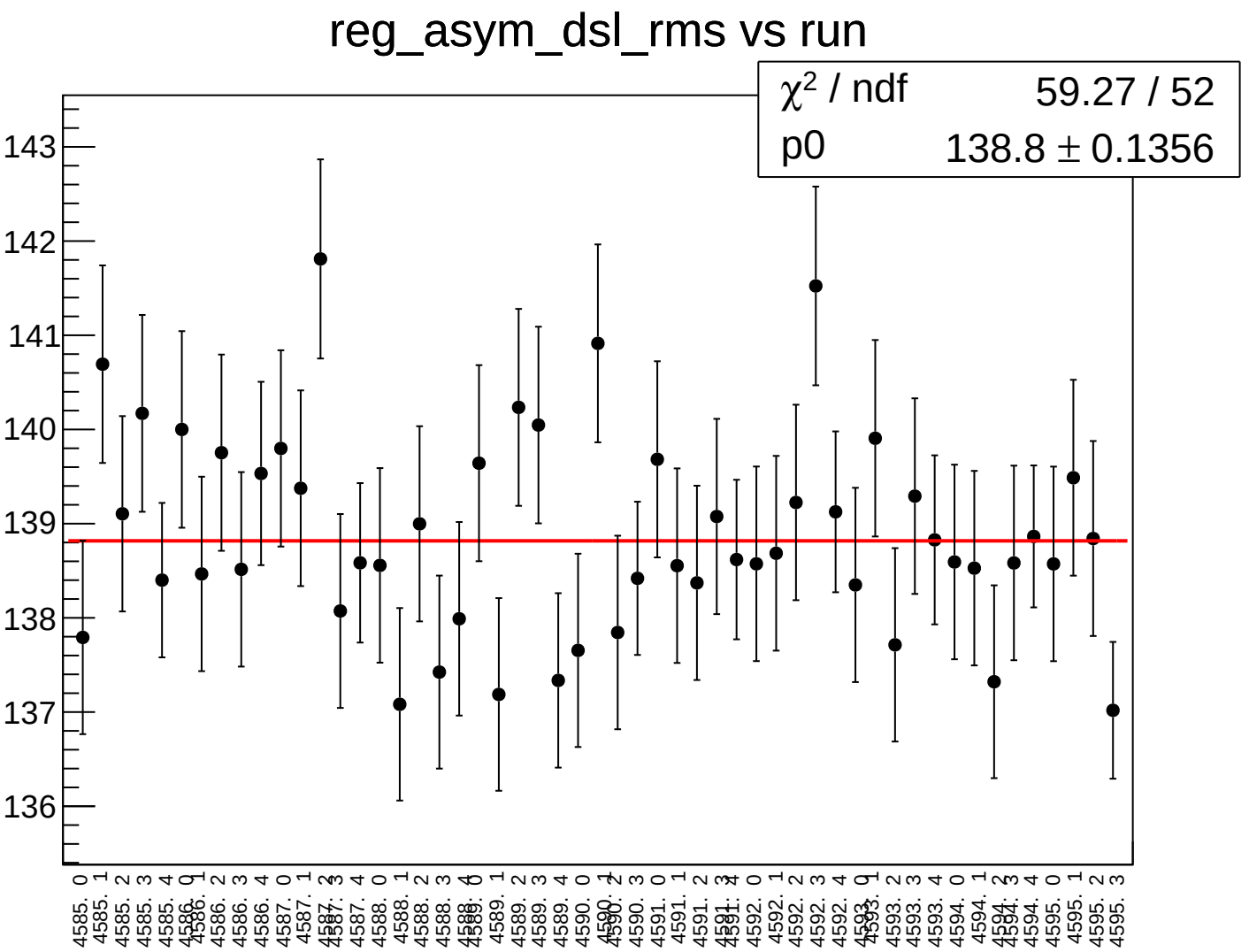
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


reg_asym_dsl_mean vs run
χ² / ndf 55.51 / 52
p0 −903.4 ± 191.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean 41.69
Std Dev 21.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean 0.01592
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_dsl_rms vs run
χ² / ndf 59.27 / 52
p0 138.8 ± 0.1356
143
142
141
140
139
138
137
136
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
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4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
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4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
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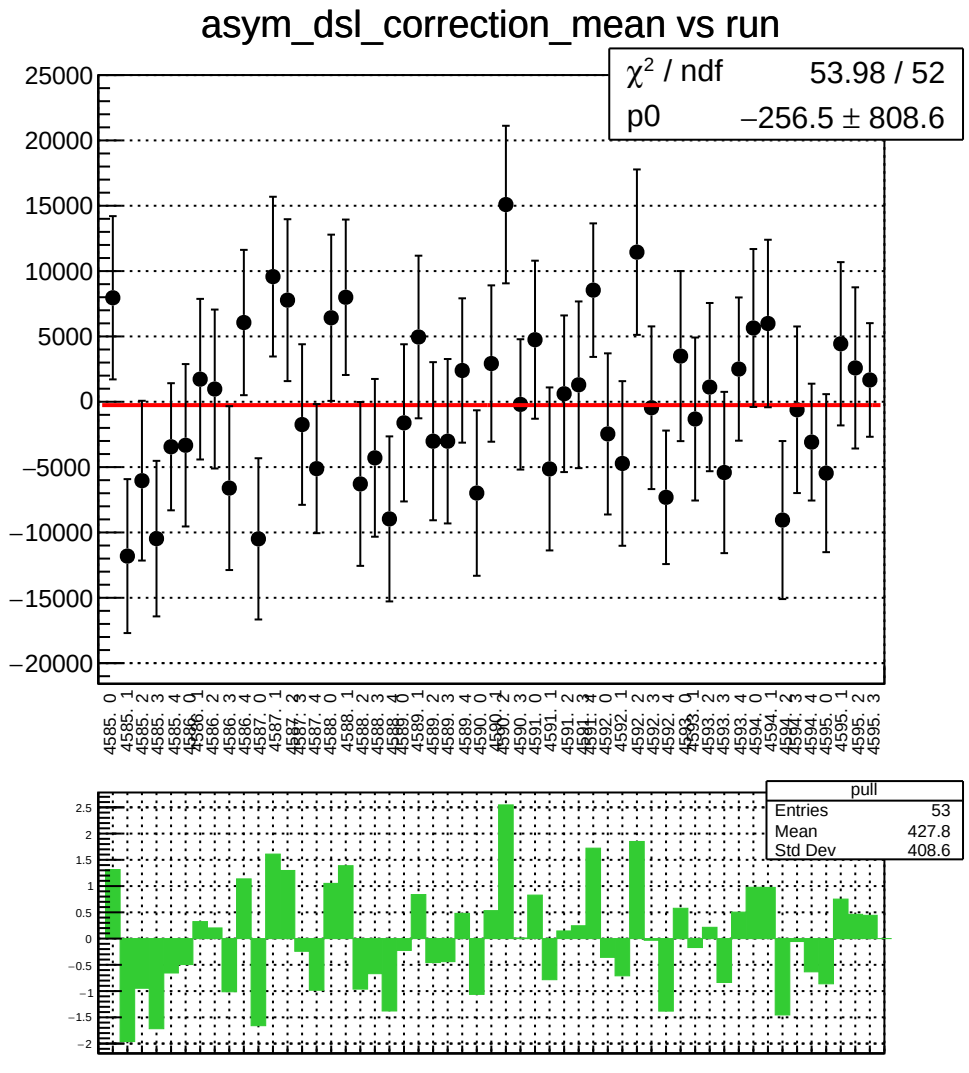
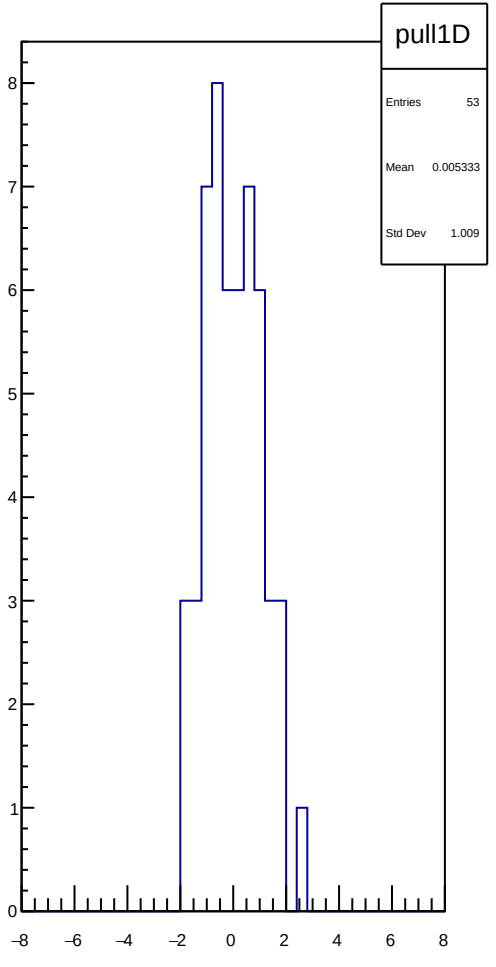
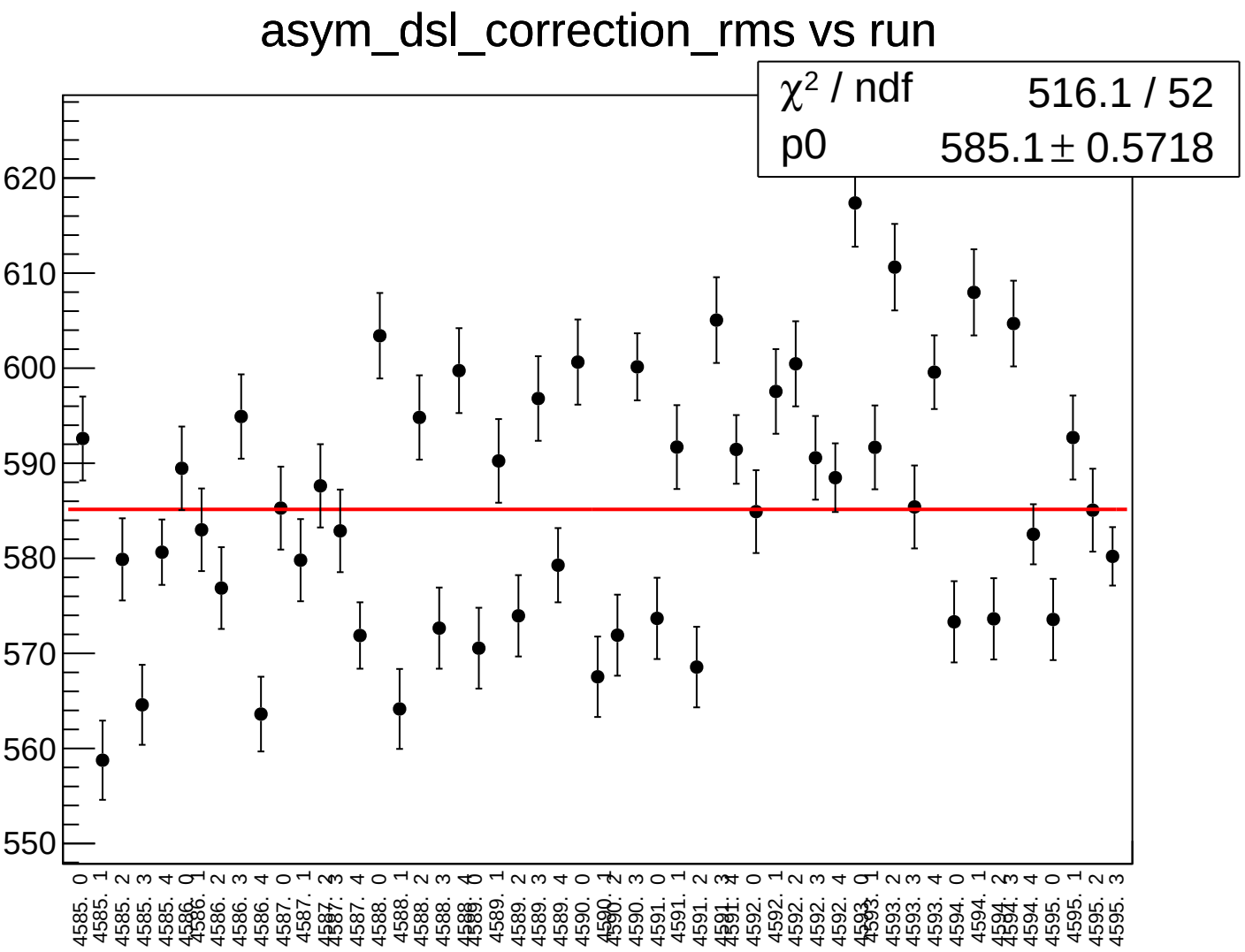
4595. 2
4595. 3


asym_dsl_correction_mean vs run
χ² / ndf 53.98 / 52
p0 −256.5 ± 808.6
pull
Entries 53
Mean 427.8
Std Dev 408.6


pull1D
Entries 53
Mean 0.005333
Std Dev 1.009


asym_dsl_correction_rms vs run
χ² / ndf 516.1 / 52
p0 585.1 ± 0.5718
620
610
600
590
580
570
560
550
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
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4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
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4594. 1
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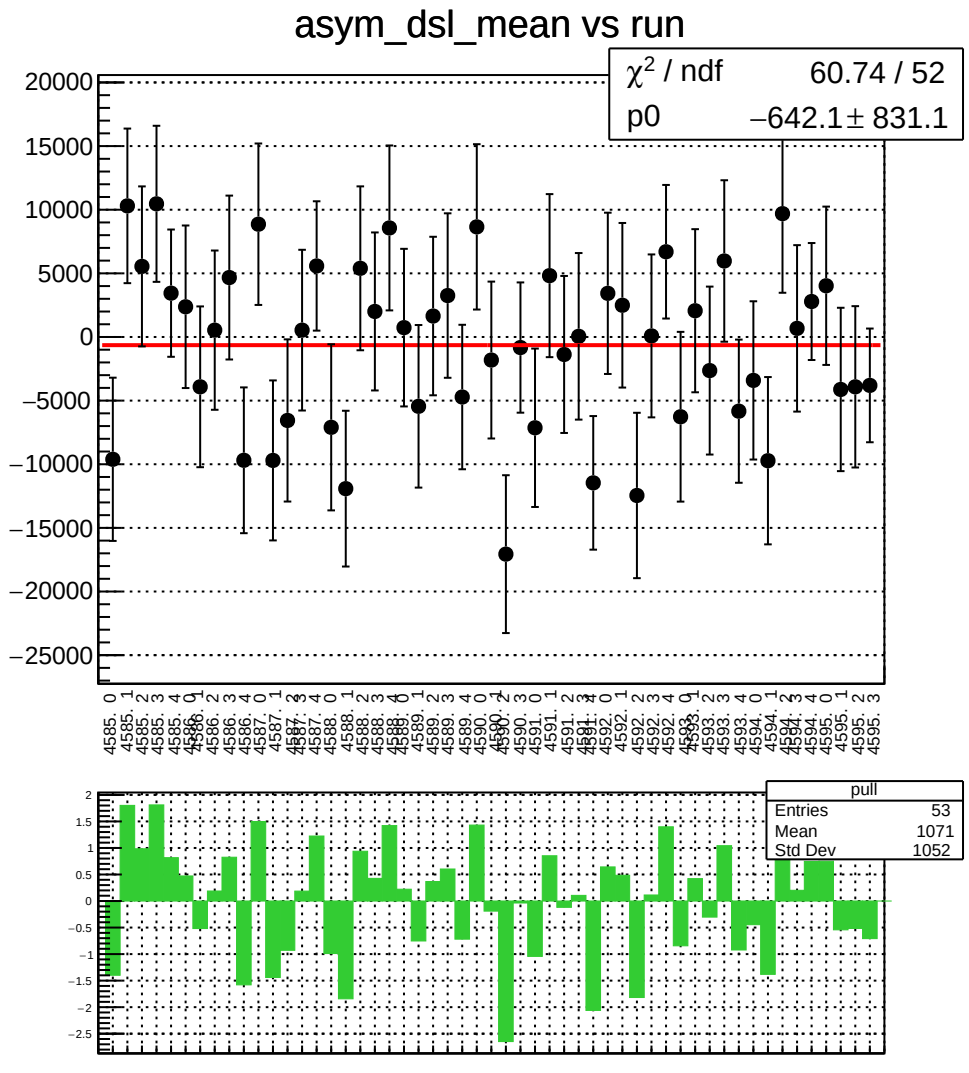
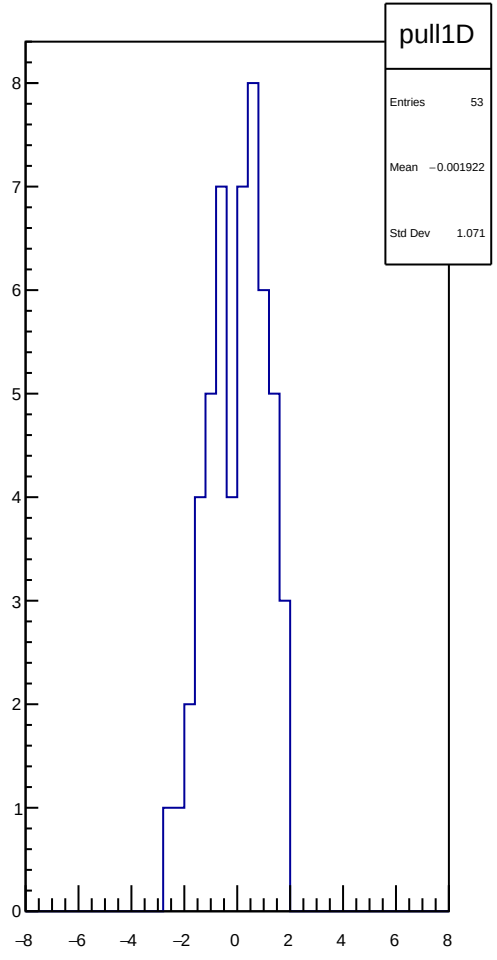
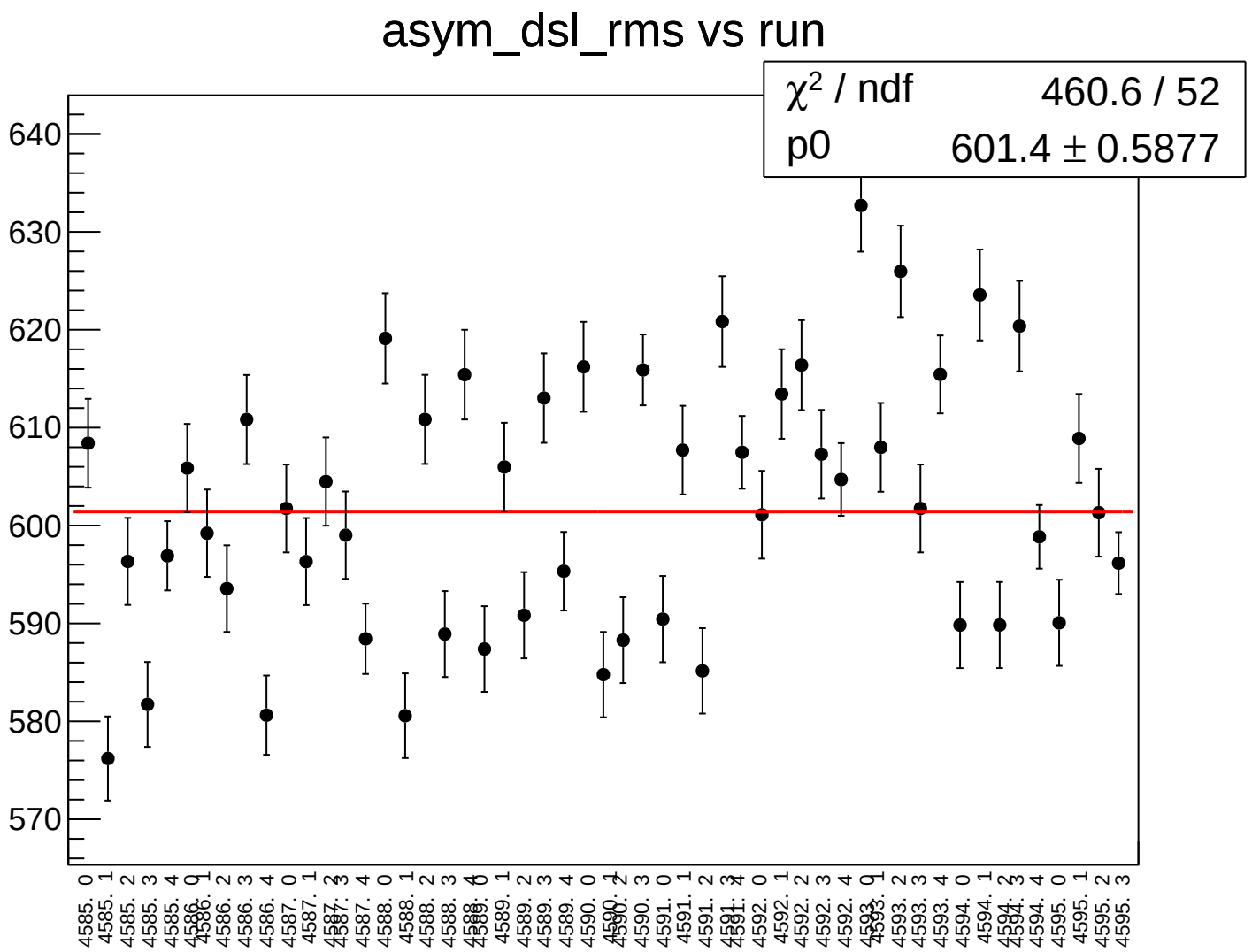
4595. 2
4595. 3


asym_dsl_mean vs run
χ² / ndf 60.74 / 52
p0 −642.1 ± 831.1
pull
Entries 53
Mean 1071
Std Dev 1052


pull1D
Entries 53
Mean −0.001922
Std Dev 1.071


asym_dsl_rms vs run
χ² / ndf 460.6 / 52
p0 601.4 ± 0.5877
640
630
620
610
600
590
580
570
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
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4587. 3
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4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
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4590. 2
4590. 3
4591. 0
4591. 1
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4591. 3
4591. 4
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4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
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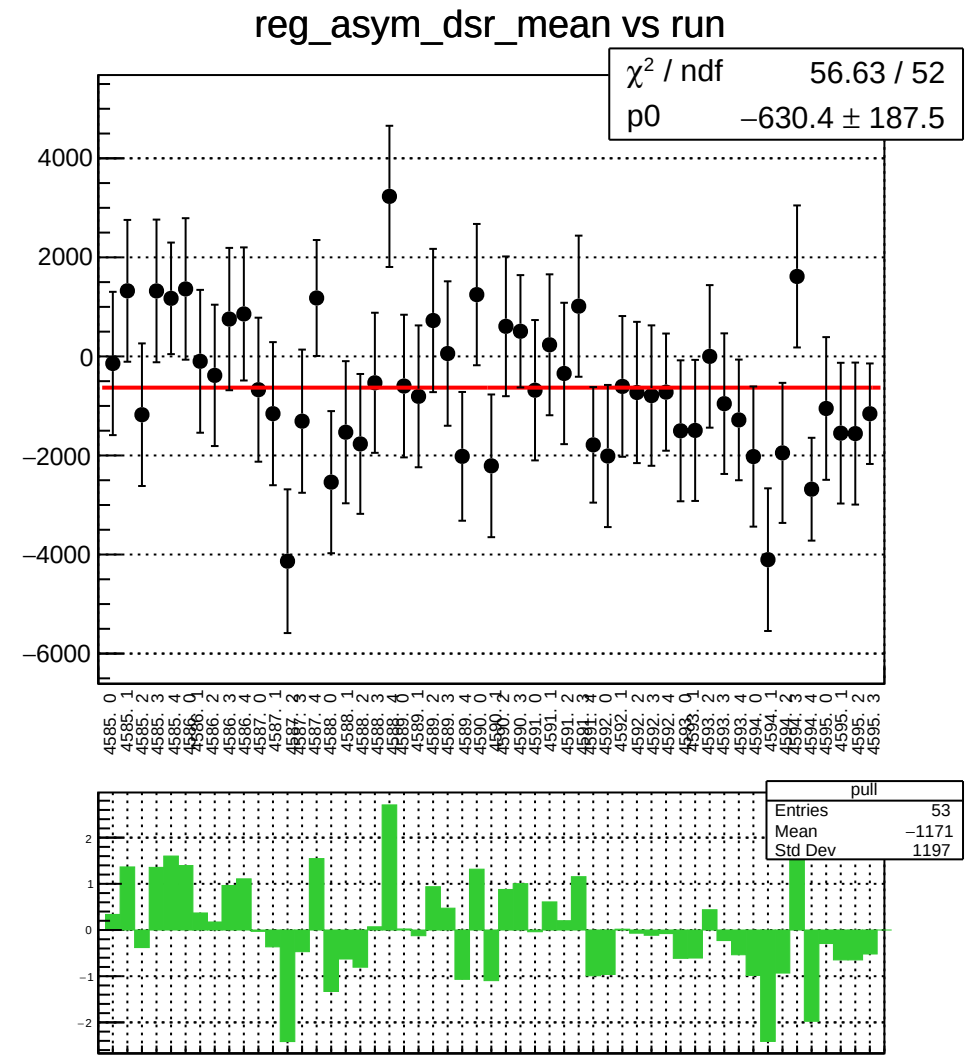
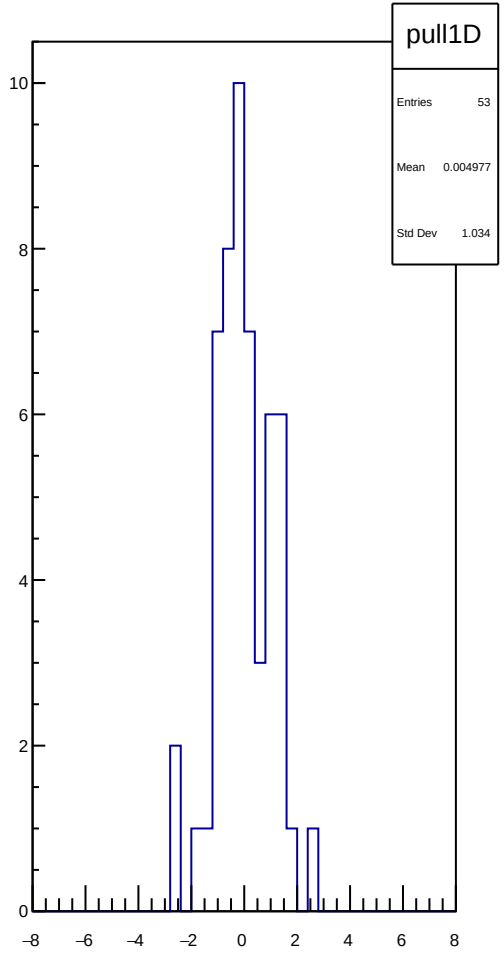
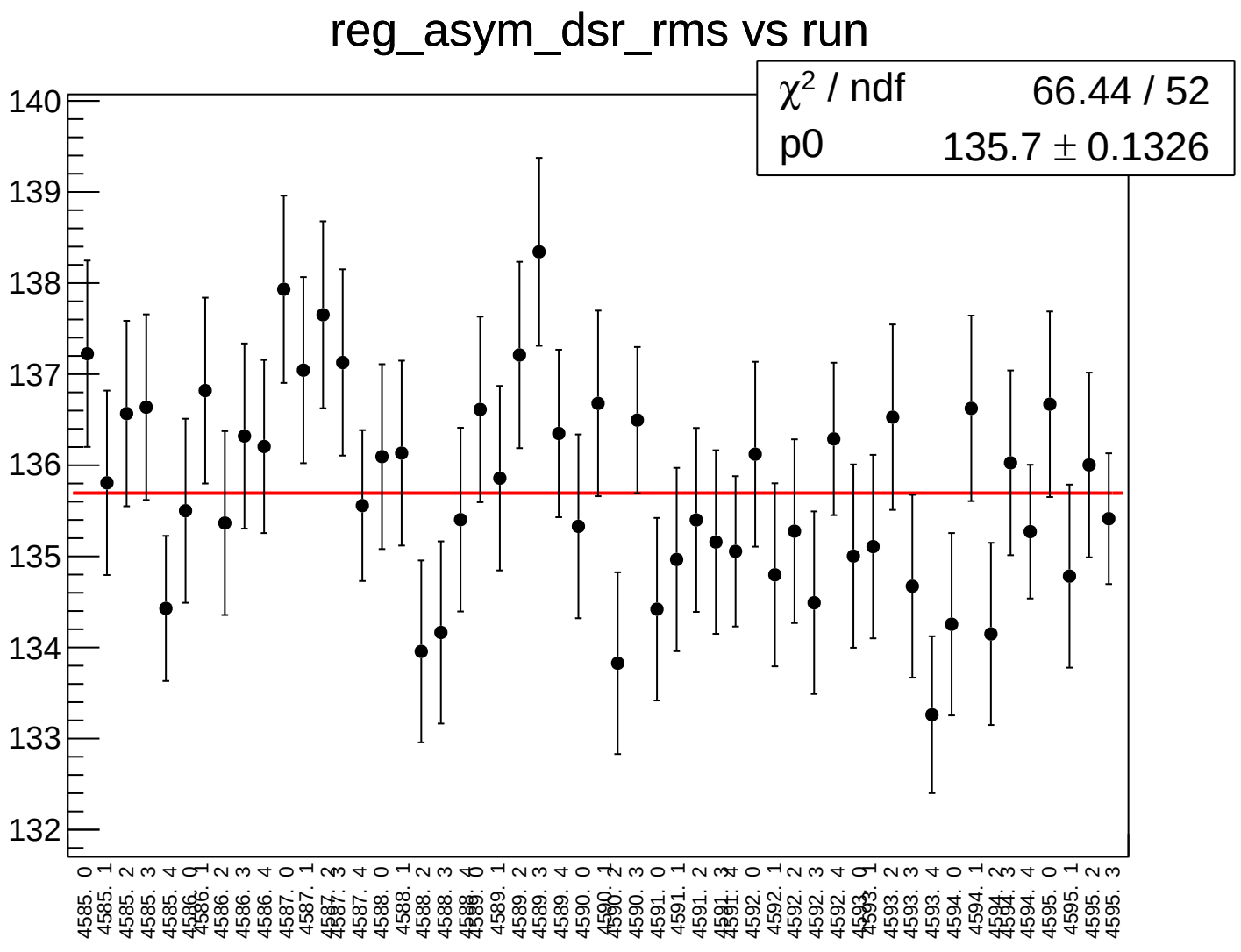
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


reg_asym_dsr_mean vs run
χ² / ndf 56.63 / 52
p0 −630.4 ± 187.5
pull
Entries 53
Mean −1171
Std Dev 1197


pull1D
Entries 53
Mean 0.004977
Std Dev 1.034


reg_asym_dsr_rms vs run
χ² / ndf 66.44 / 52
p0 135.7 ± 0.1326
140
139
138
137
136
135
134
133
132
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
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4588. 4
4589. 0
4589. 1
4589. 2
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4591. 0
4591. 1
4591. 2
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4593. 0
4593. 1
4593. 2
4593. 3
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4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
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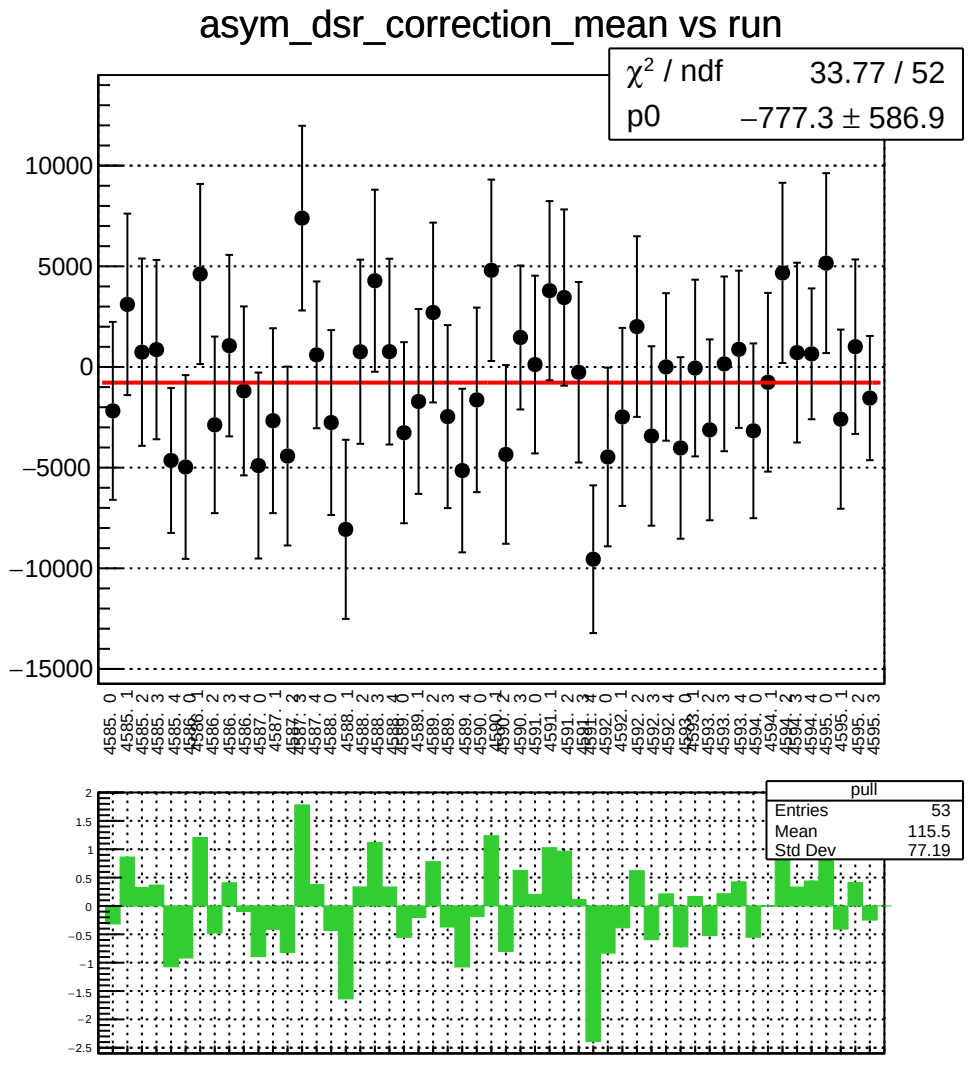
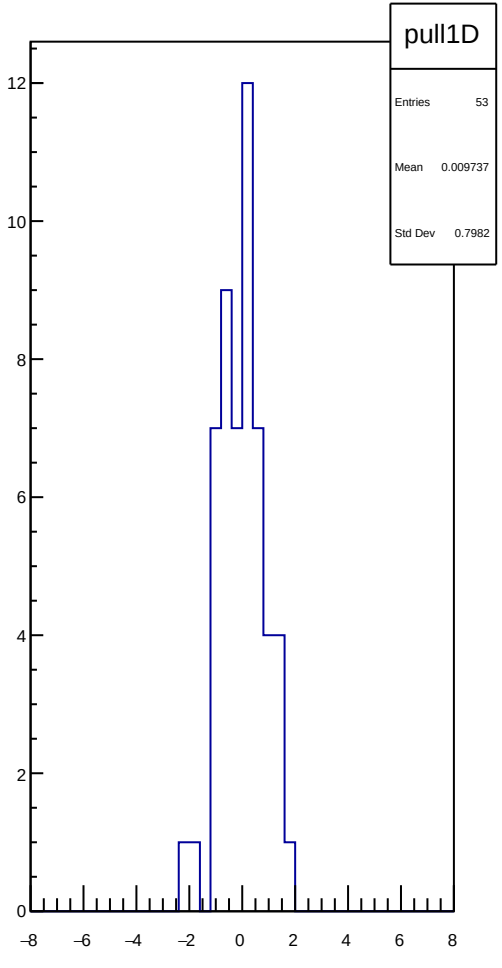
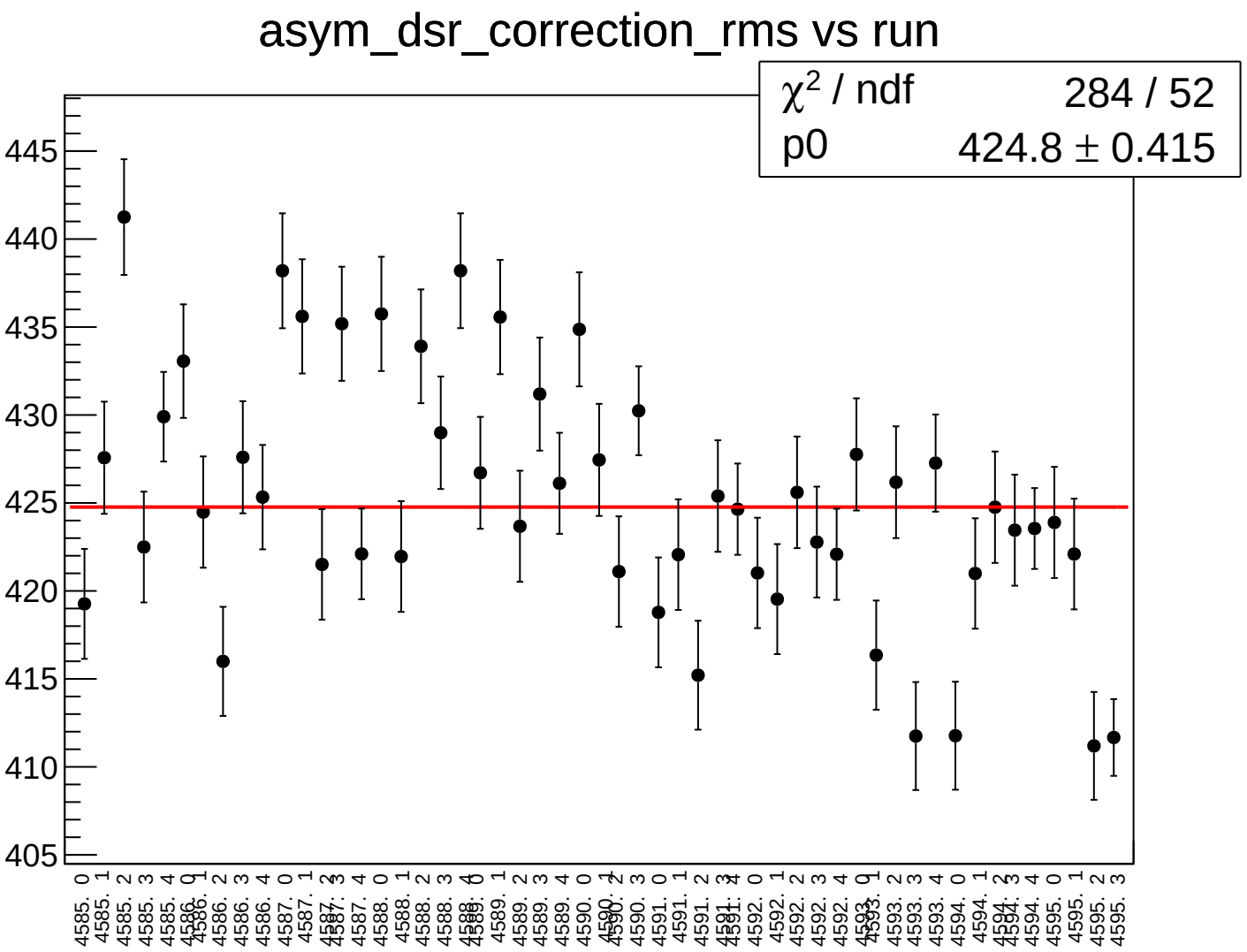
4595. 2
4595. 3


asym_dsr_correction_mean vs run
χ² / ndf 33.77 / 52
p0 −777.3 ± 586.9
pull
Entries 53
Mean 115.5
Std Dev 77.19


pull1D
Entries 53
Mean 0.009737
Std Dev 0.7982


asym_dsr_correction_rms vs run
χ² / ndf 284 / 52
p0 424.8 ± 0.415
445
440
435
430
425
420
415
410
405
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
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4588. 0
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4588. 2
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4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
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4591. 0
4591. 1
4591. 2
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4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
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4593. 1
4593. 2
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4594. 2
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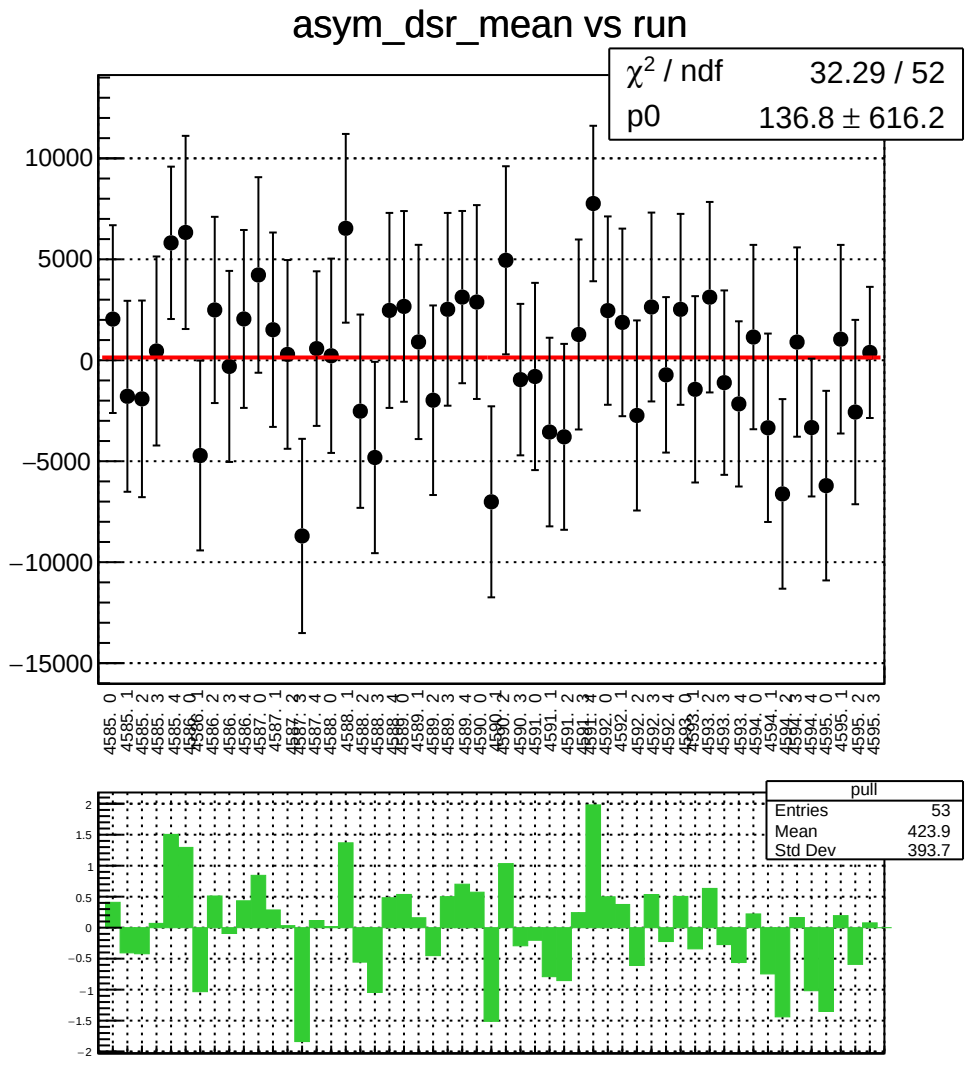
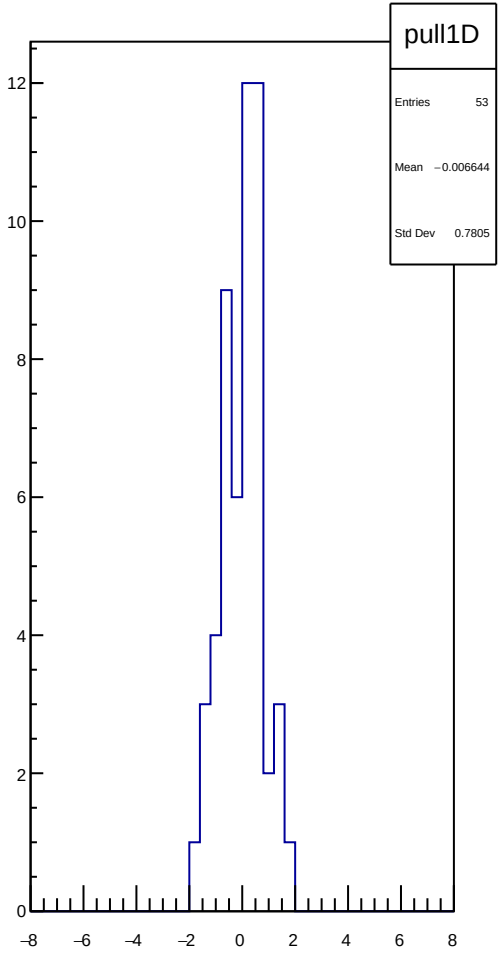
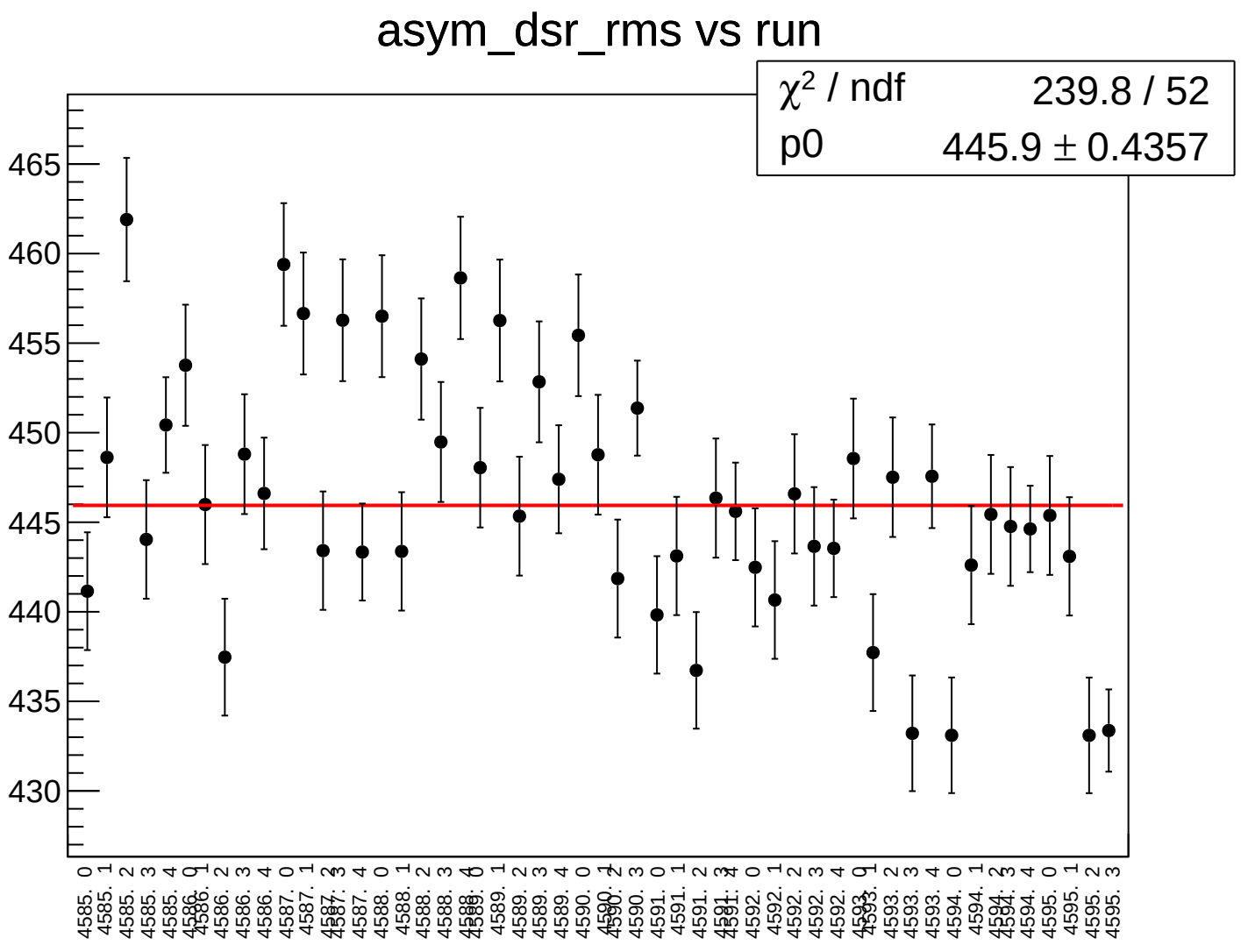
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_dsr_mean vs run
χ^2 / ndf 32.29 / 52
p0 136.8 ± 616.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 423.9
Std Dev 393.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean −0.006644
Std Dev 0.7805
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_dsr_rms vs run
χ² / ndf 239.8 / 52
p0 445.9 ± 0.4357
465
460
455
450
445
440
435
430
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
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4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
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4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
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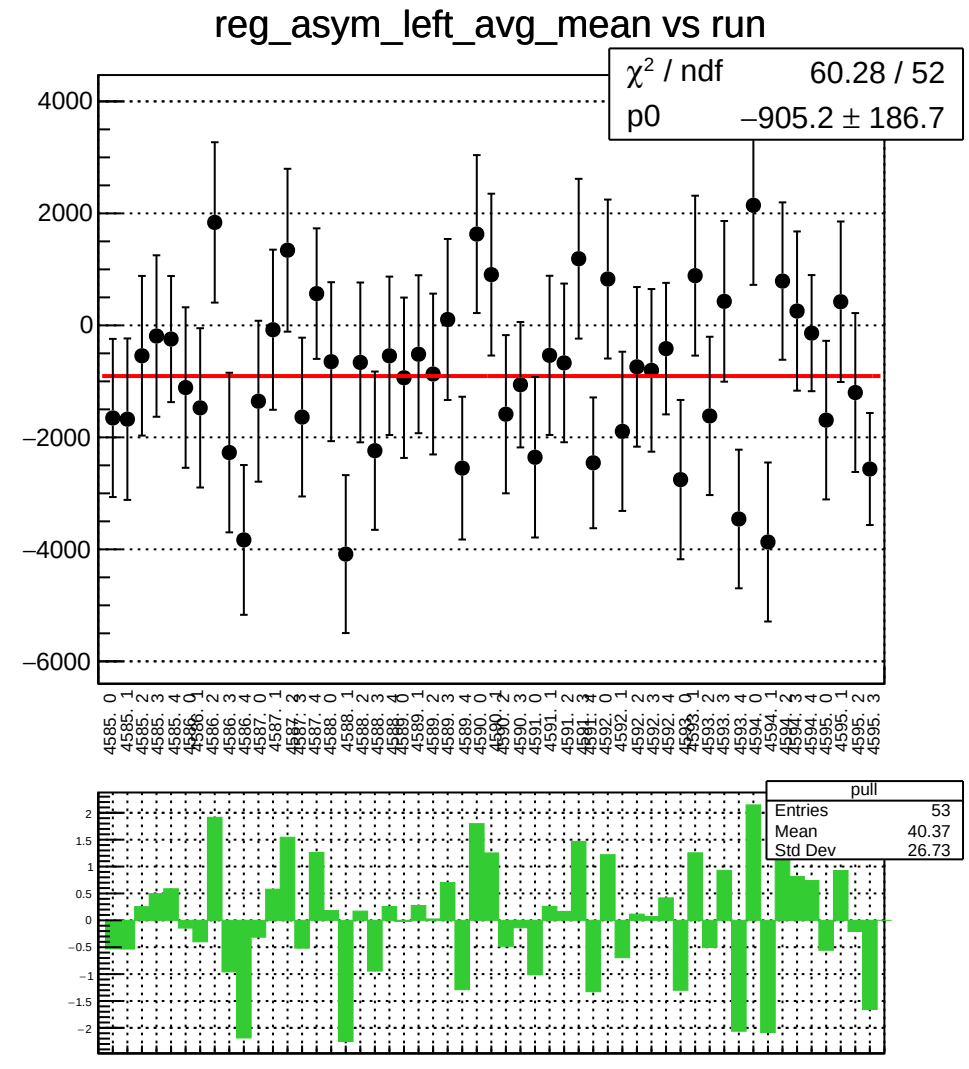
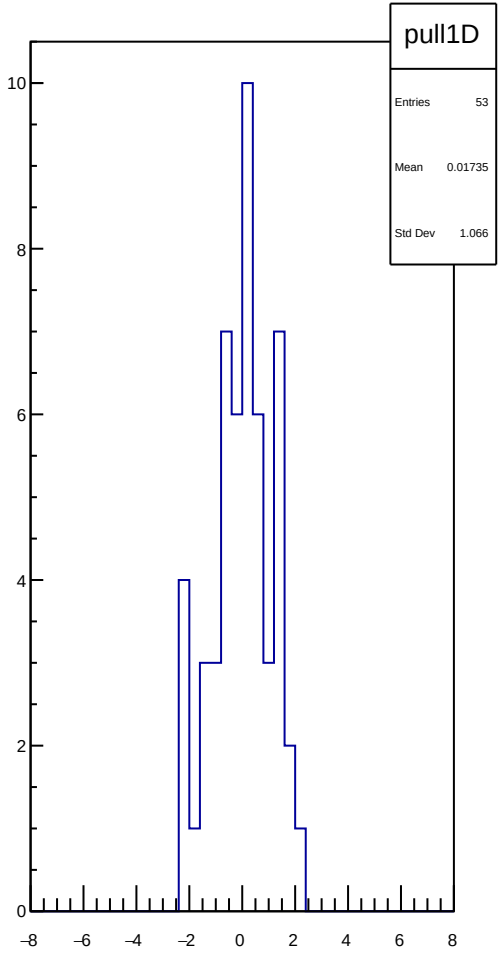
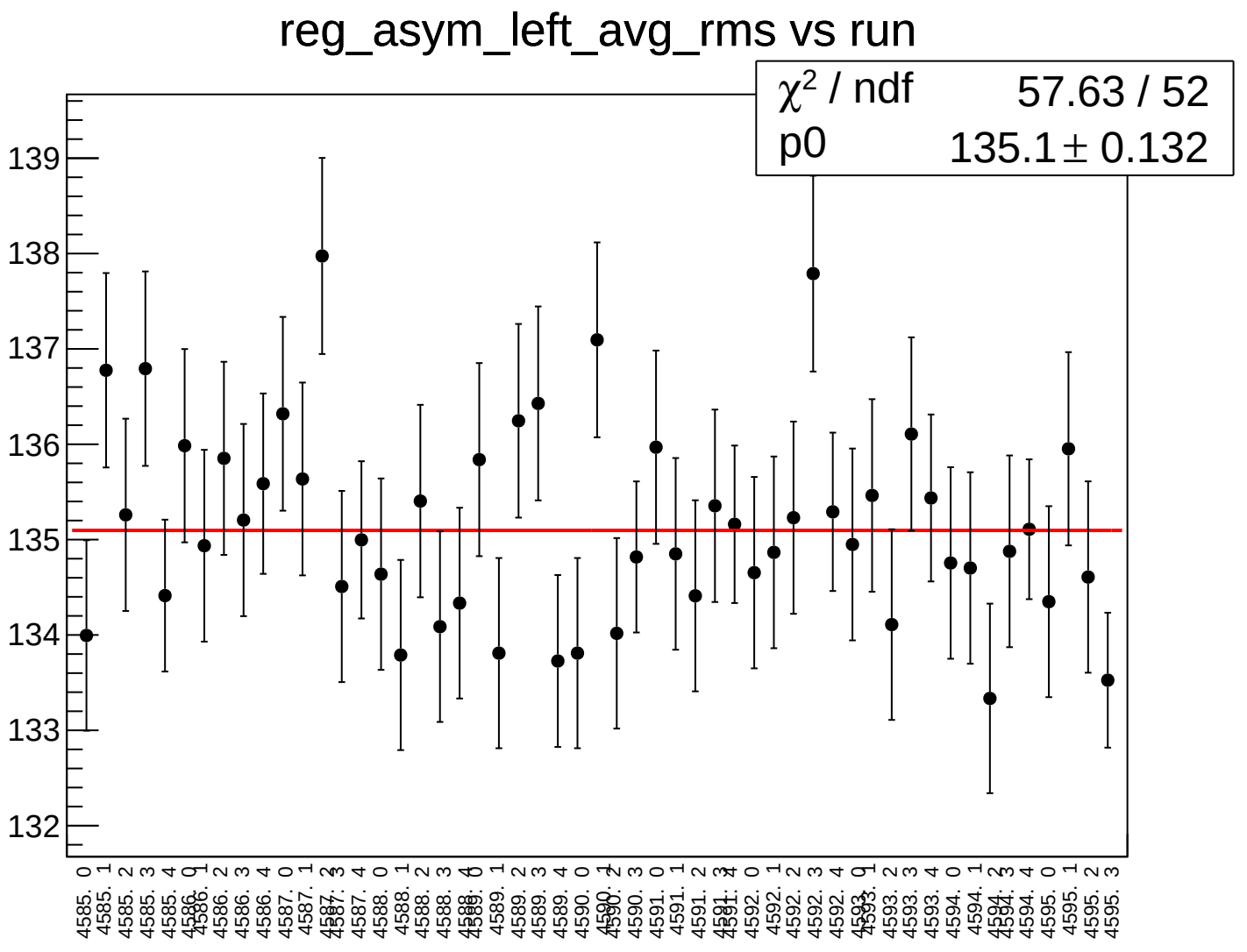
4595. 0
4595. 1
4595. 2
4595. 3


reg_asym_left_avg_mean vs run
χ² / ndf 60.28 / 52
p0 −905.2 ± 186.7
pull
Entries 53
Mean 40.37
Std Dev 26.73


pull1D
Entries 53
Mean 0.01735
Std Dev 1.066


reg_asym_left_avg_rms vs run
χ² / ndf 57.63 / 52
p0 135.1 ± 0.132
139
138
137
136
135
134
133
132
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
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4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
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4589. 2
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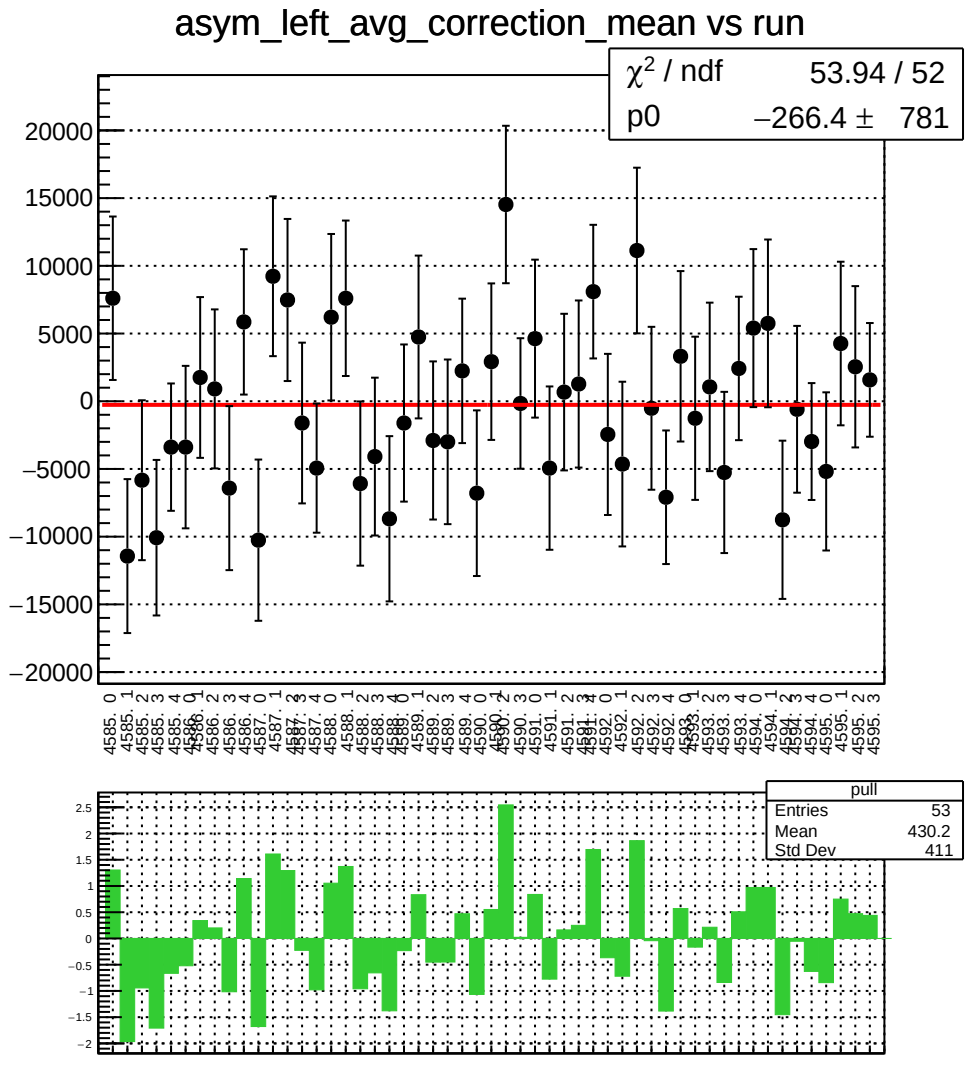
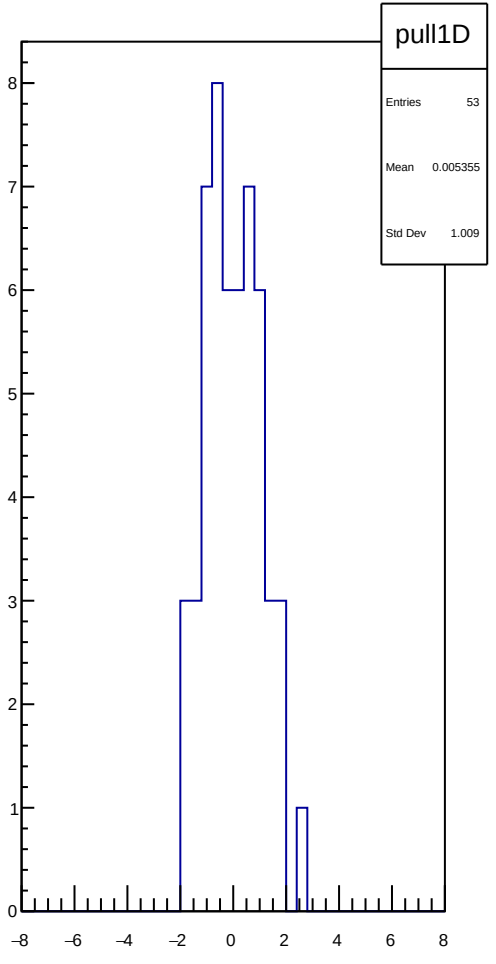
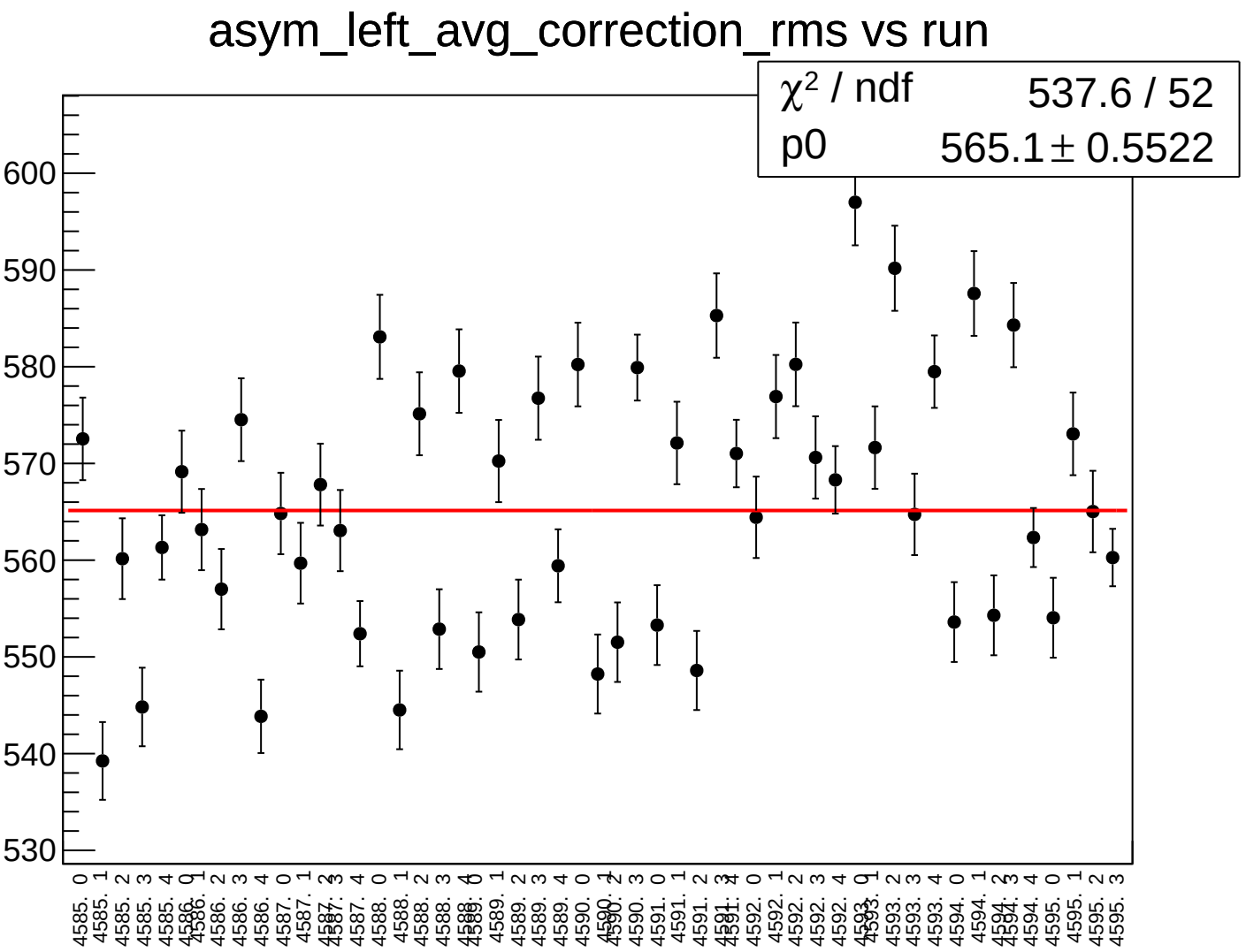
4595. 2
4595. 3


asym_left_avg_correction_mean vs run
χ² / ndf 53.94 / 52
p0 −266.4 ± 781
pull
Entries 53
Mean 430.2
Std Dev 411


pull1D
Entries 53
Mean 0.005355
Std Dev 1.009


asym_left_avg_correction_rms vs run
χ² / ndf 537.6 / 52
p0 565.1 ± 0.5522
600
590
580
570
560
550
540
530
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
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4593. 1
4593. 2
4593. 3
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4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
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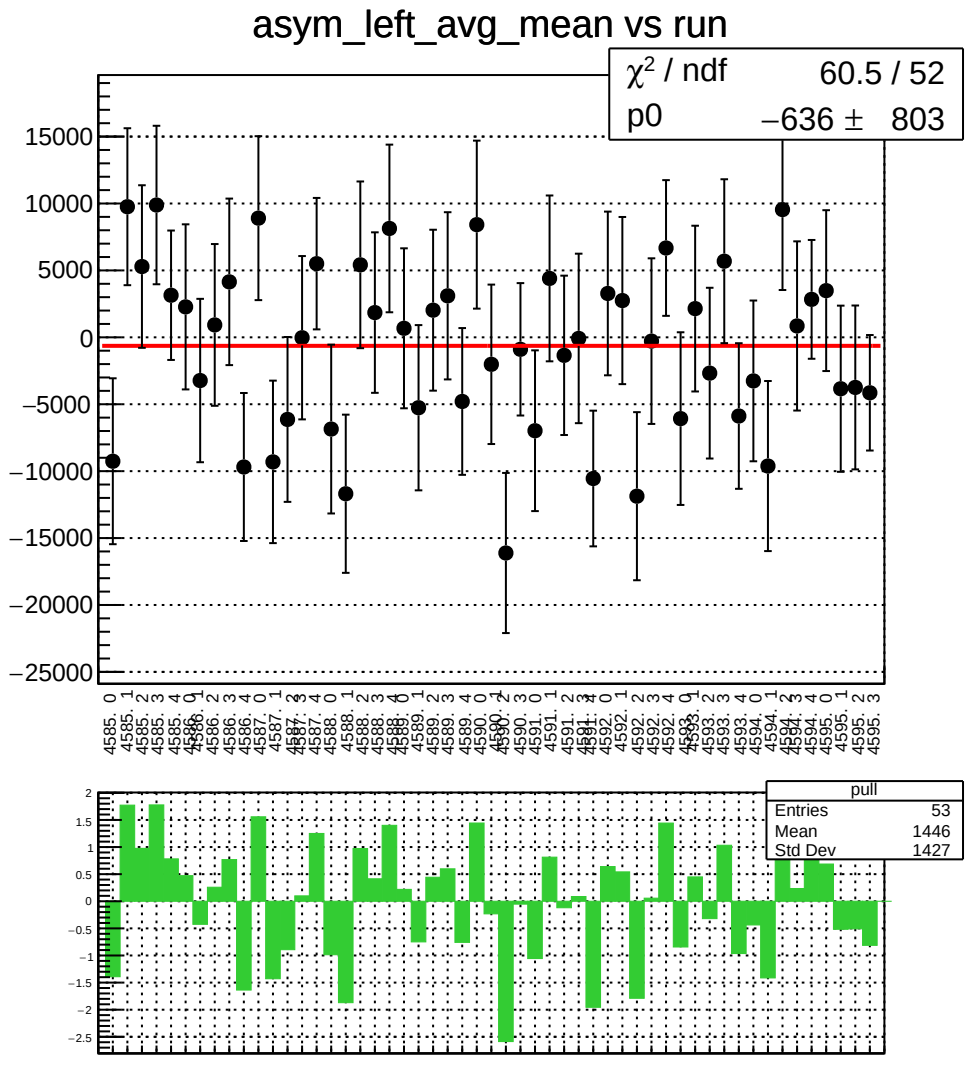
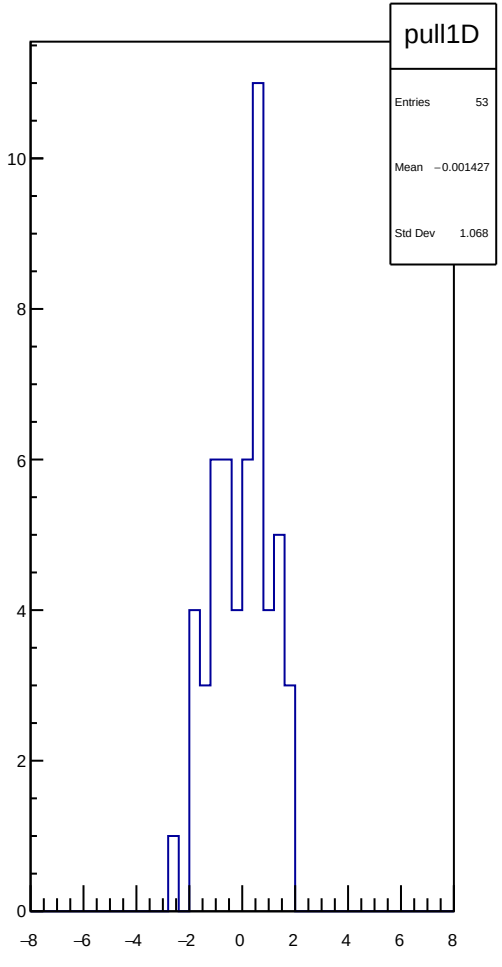
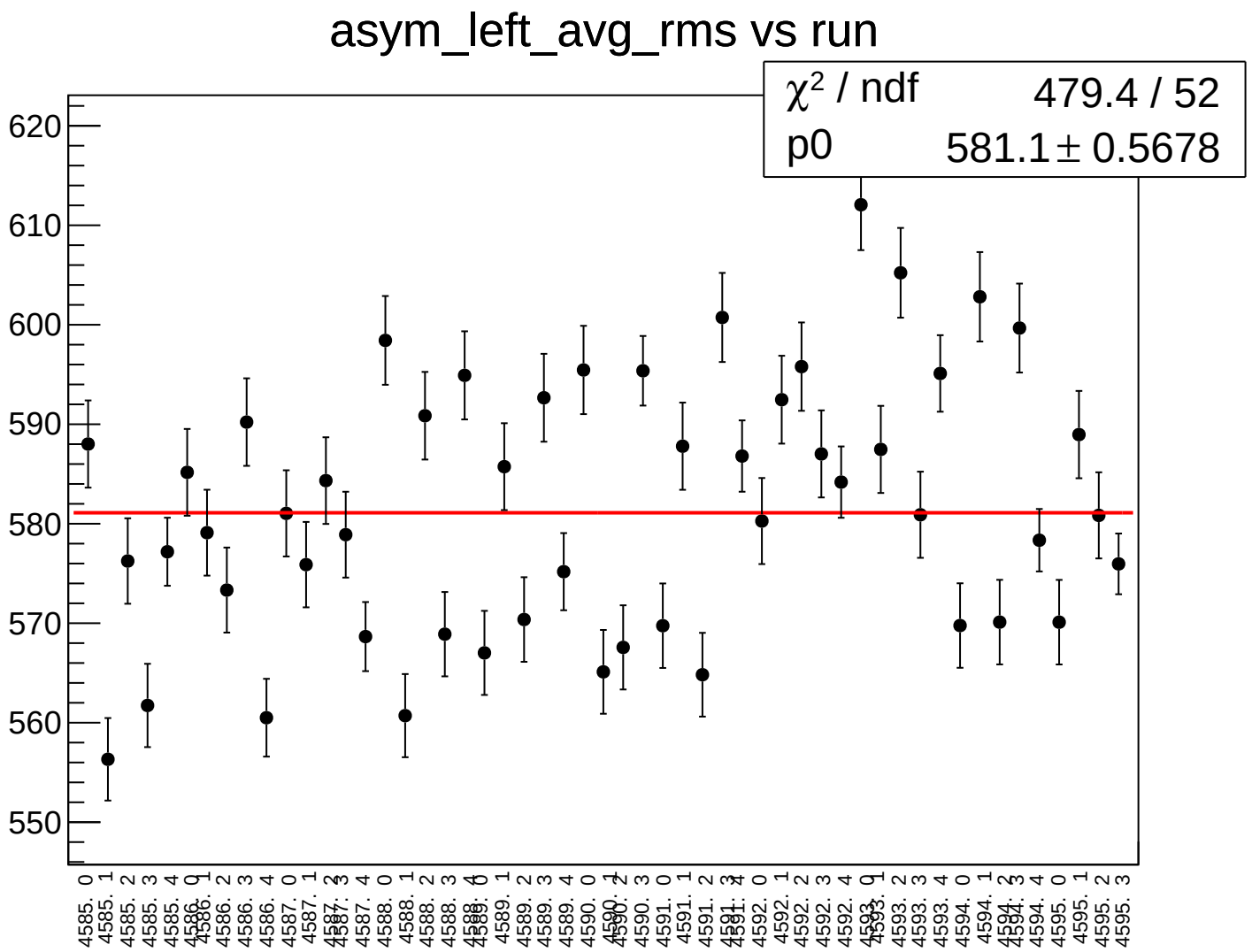
4595. 2
4595. 3


asym_left_avg_mean vs run
χ² / ndf 60.5 / 52
p0 −636 ± 803
pull
Entries 53
Mean 1446
Std Dev 1427


pull1D
Entries 53
Mean −0.001427
Std Dev 1.068


asym_left_avg_rms vs run
χ² / ndf 479.4 / 52
p0 581.1 ± 0.5678
620
610
600
590
580
570
560
550
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
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4590. 1
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4592. 1
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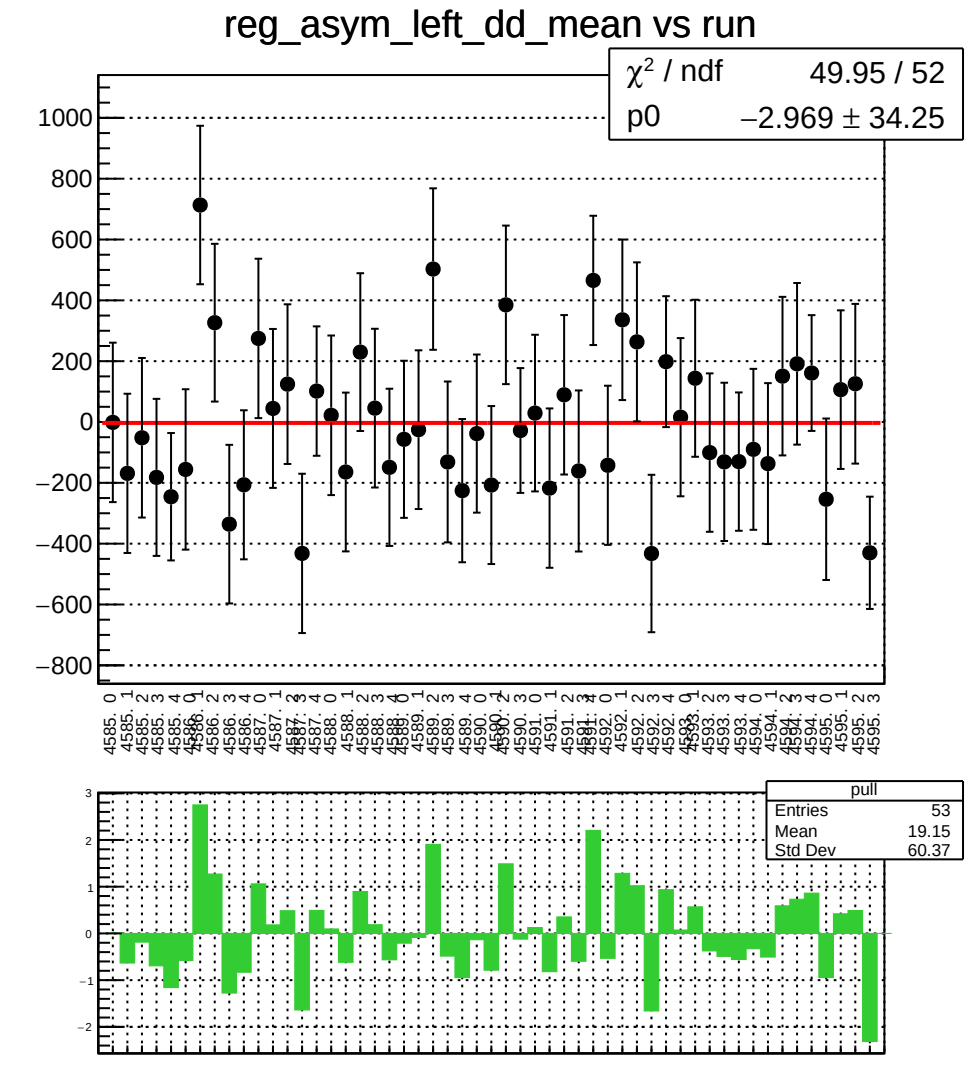
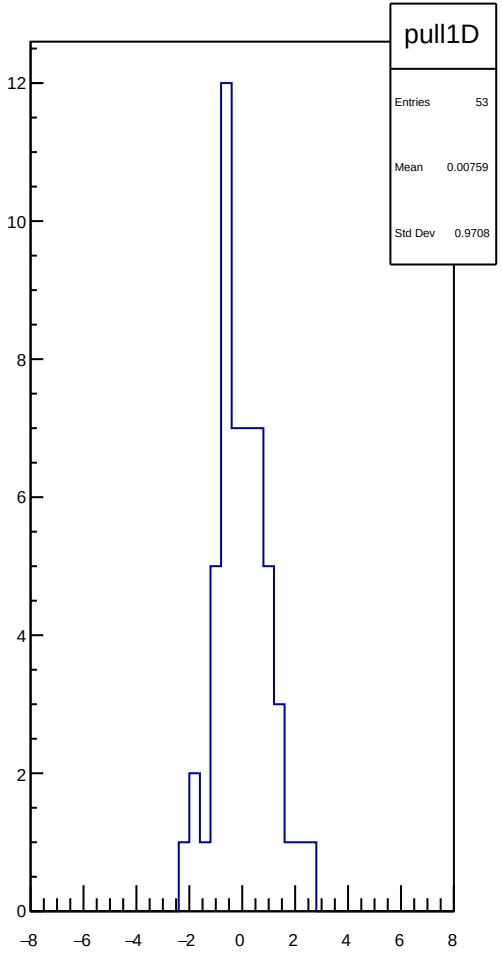
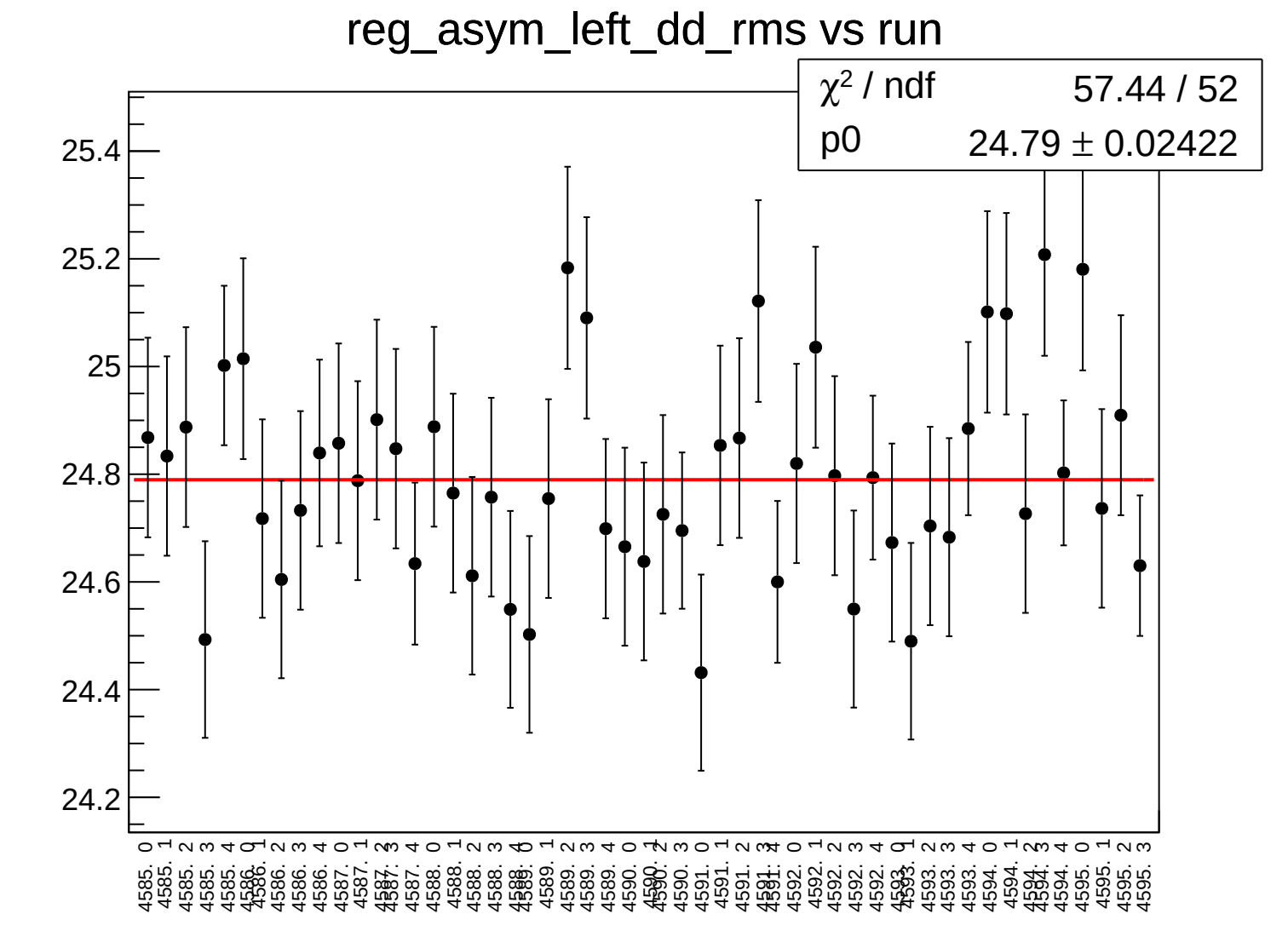
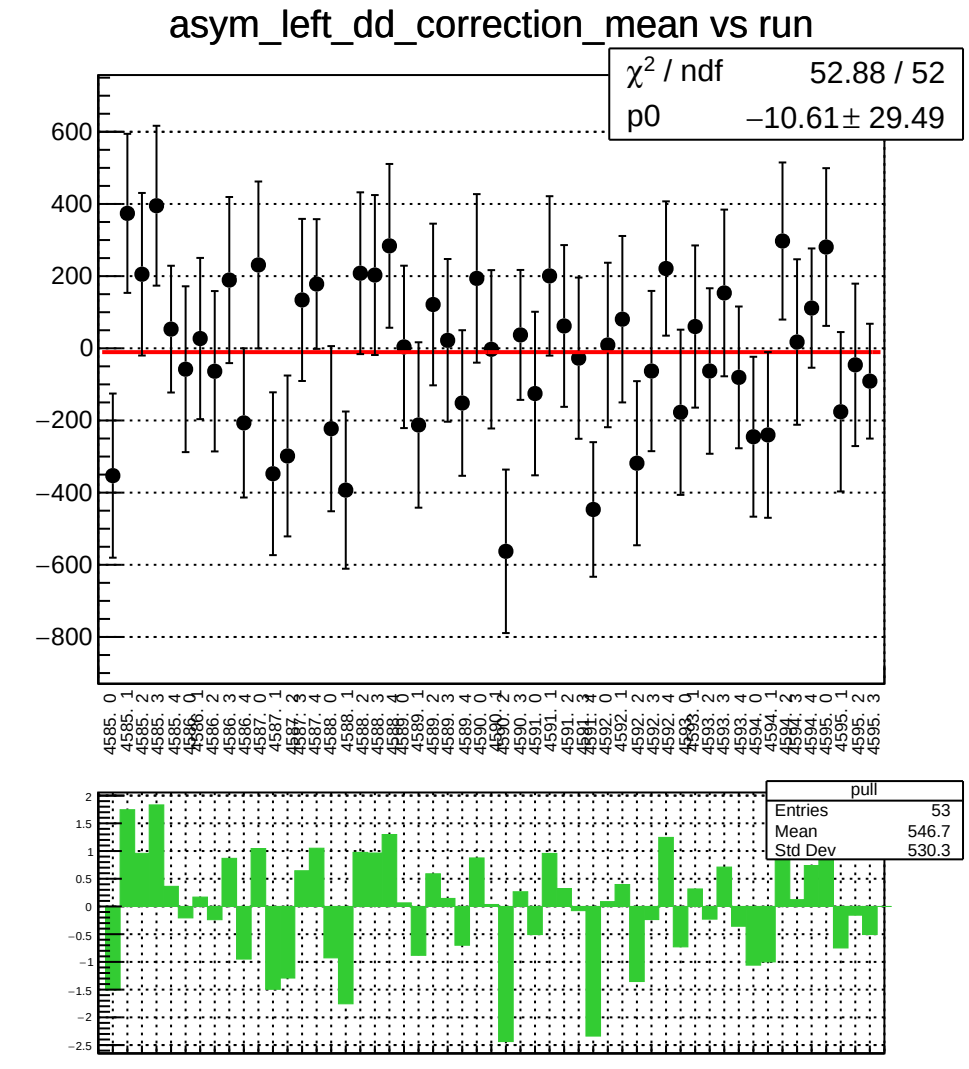
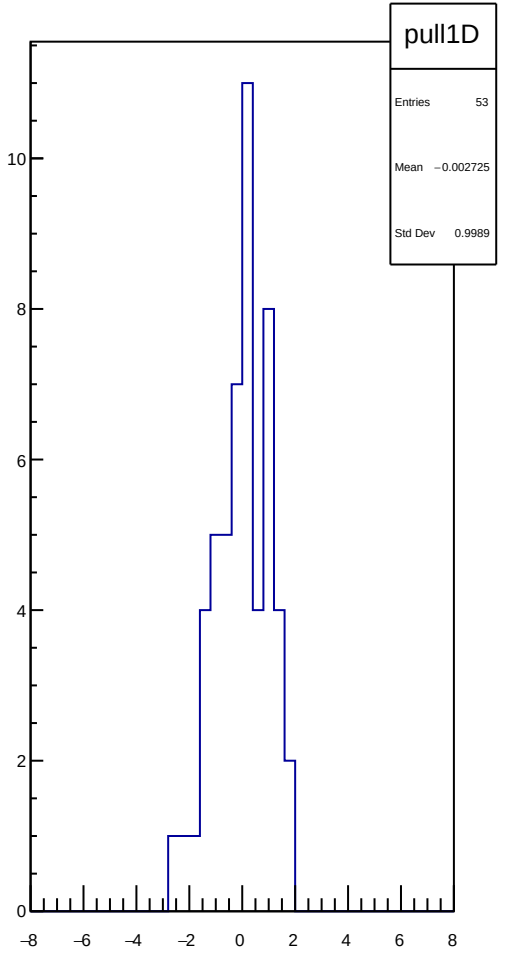
4595. 2
4595. 3

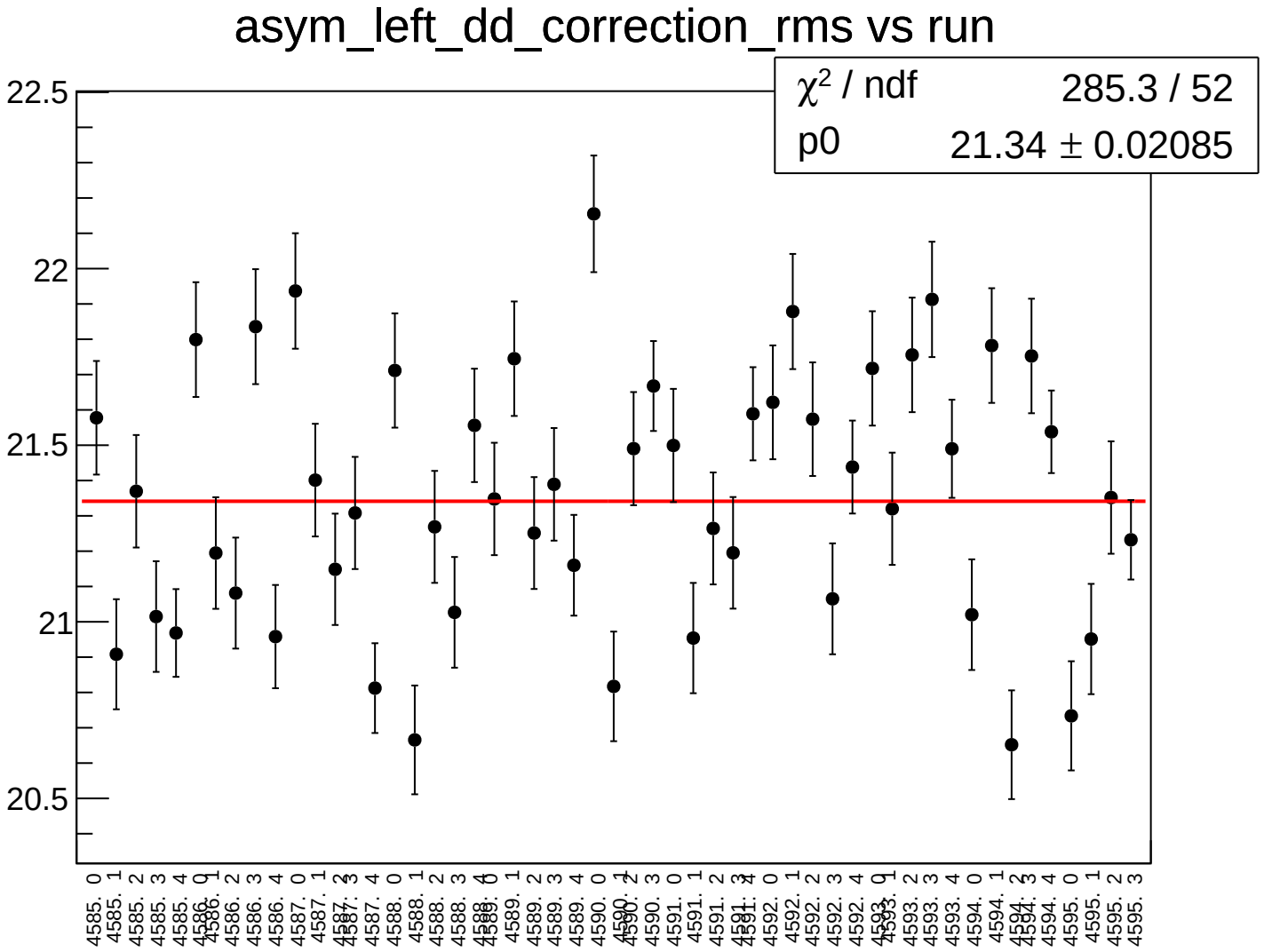

reg_asym_left_dd_mean vs run
χ² / ndf 49.95 / 52
p0 −2.969 ± 34.25
pull
Entries 53
Mean 19.15
Std Dev 60.37

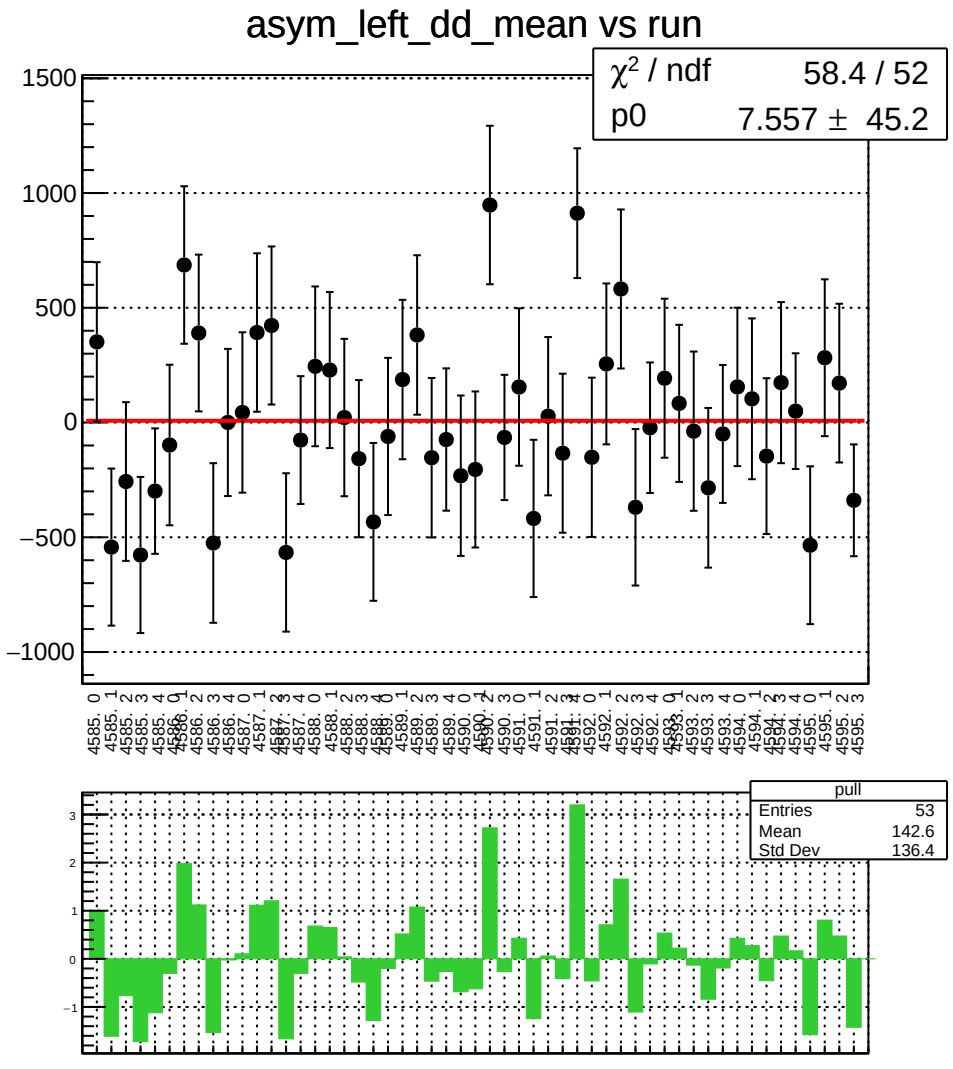

pull1D
Entries 53
Mean 0.00759
Std Dev 0.9708

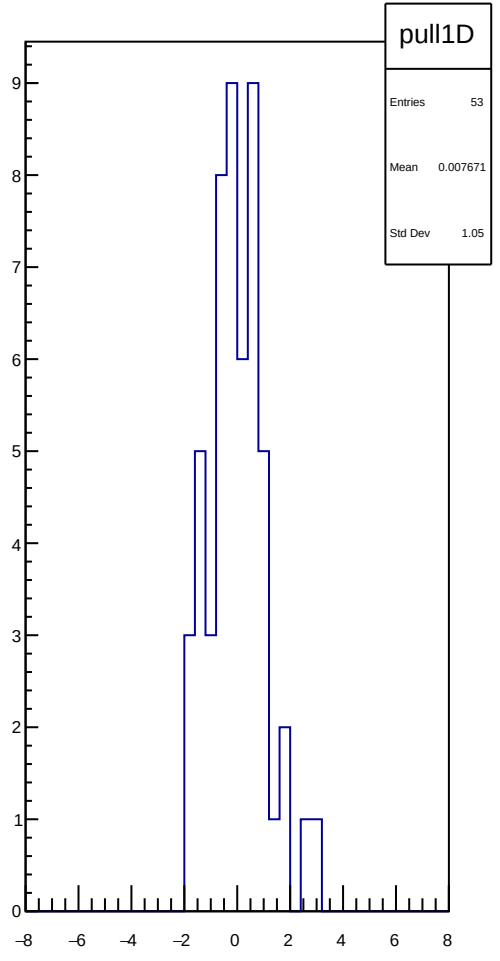

reg_asym_left_dd_rms vs run
χ² / ndf 57.44 / 52
p0 24.79 ± 0.02422
25.4
25.2
25
24.8
24.6
24.4
24.2
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

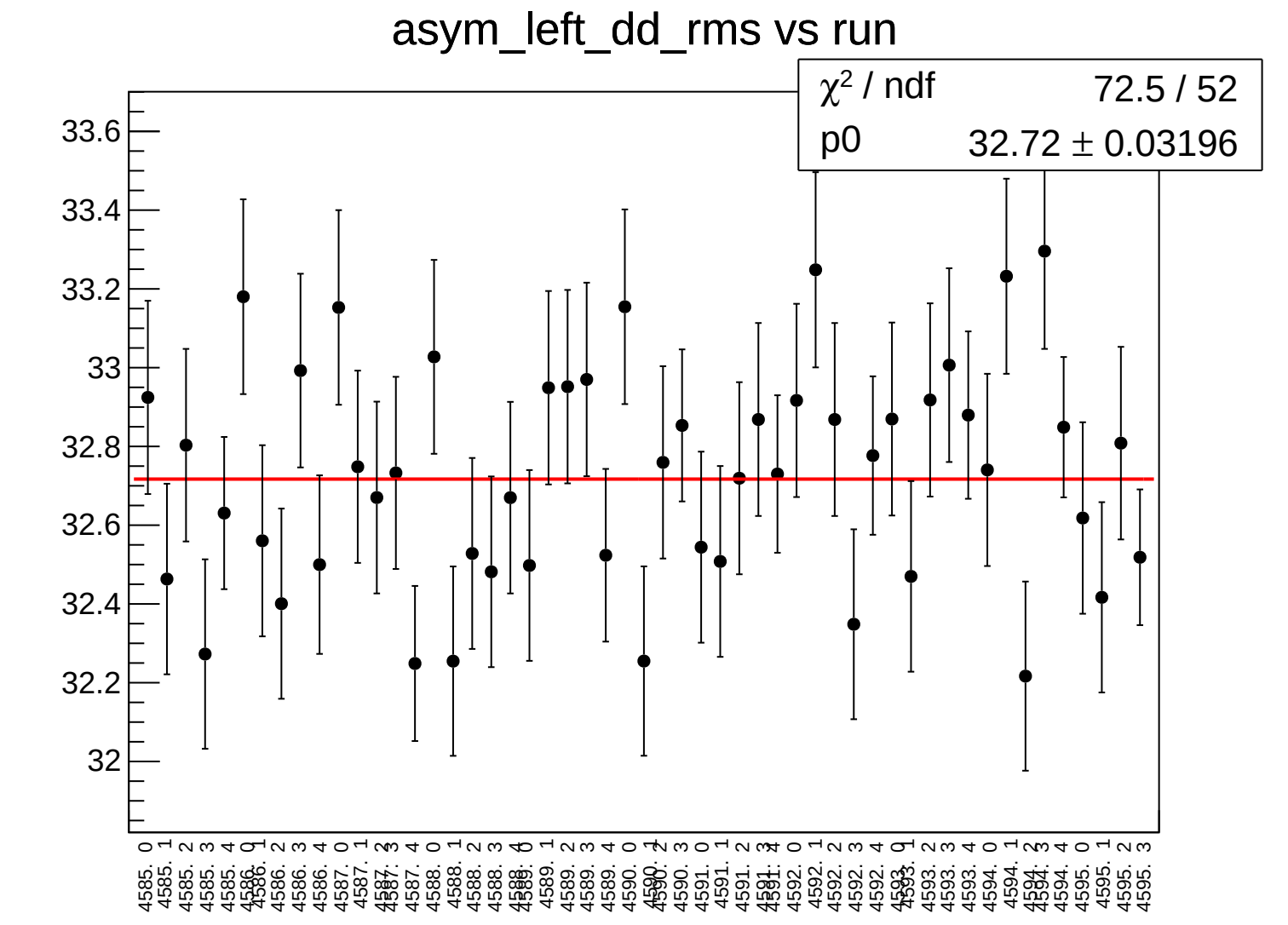

asym_left_dd_correction_mean vs run
χ² / ndf 52.88 / 52
p0 −10.61 ± 29.49
pull
Entries 53
Mean 546.7
Std Dev 530.3

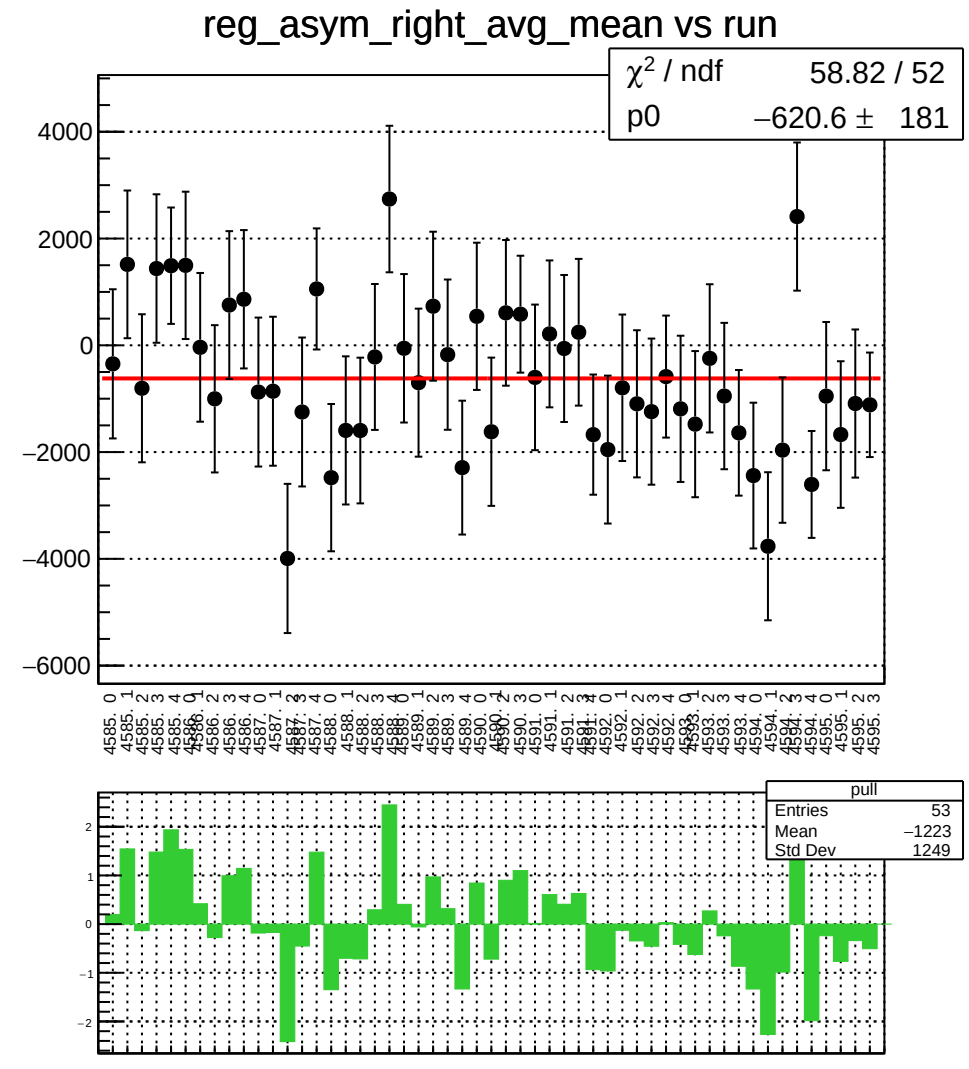

pull1D
Entries 53
Mean −0.002725
Std Dev 0.9989

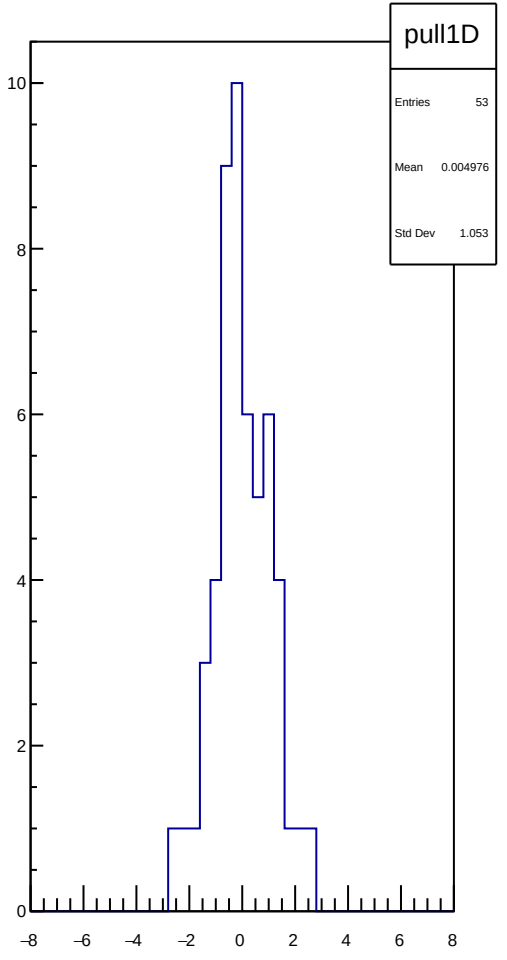

asym_left_dd_correction_rms vs run
χ² / ndf 285.3 / 52
p0 21.34 ± 0.02085
22.5
22
21.5
21
20.5
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

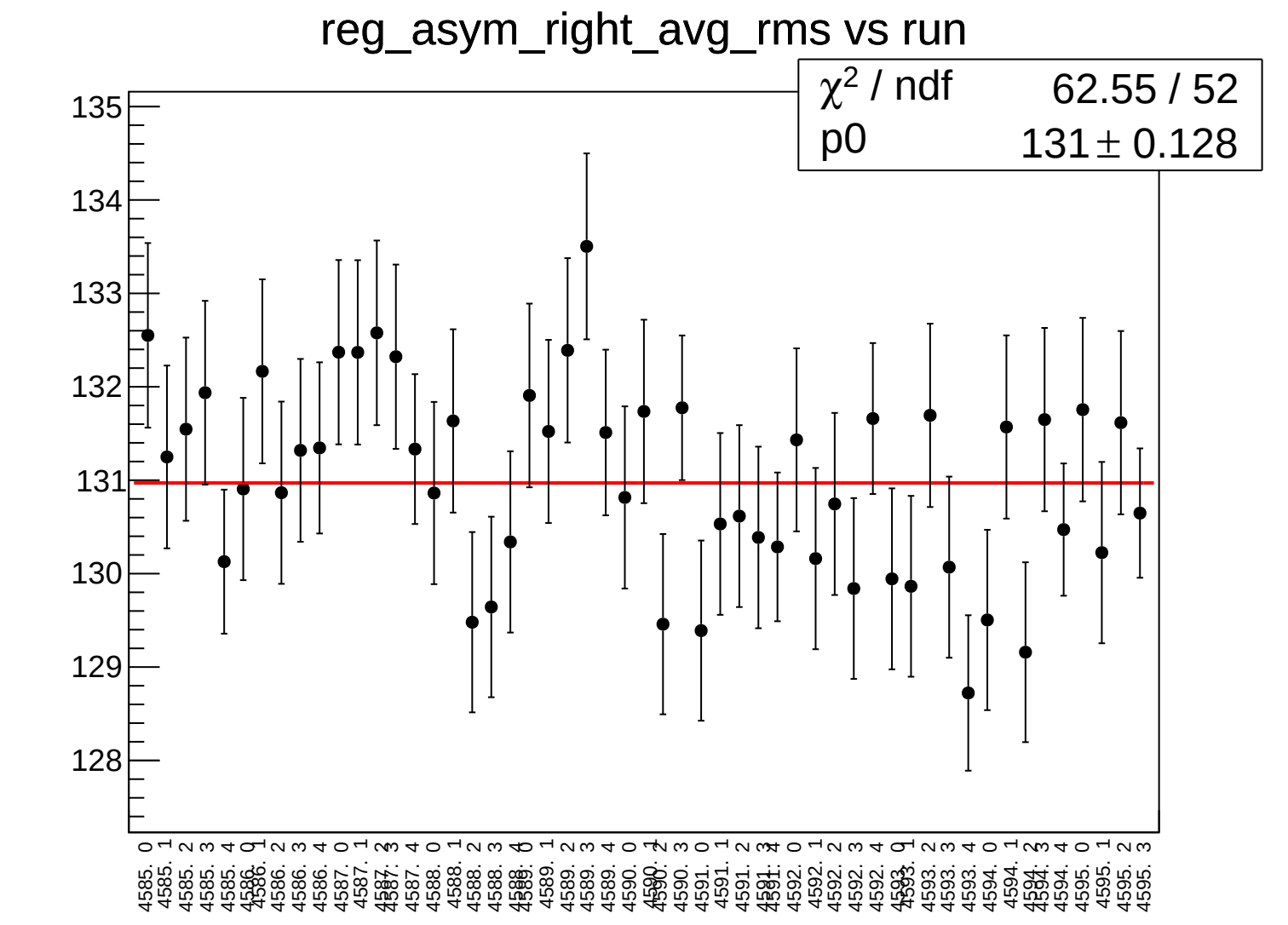

asym_left_dd_mean vs run
χ² / ndf 58.4 / 52
p0 7.557 ± 45.2
1500
1000
500
0
−500
−1000
pull
Entries 53
Mean 142.6
Std Dev 136.4

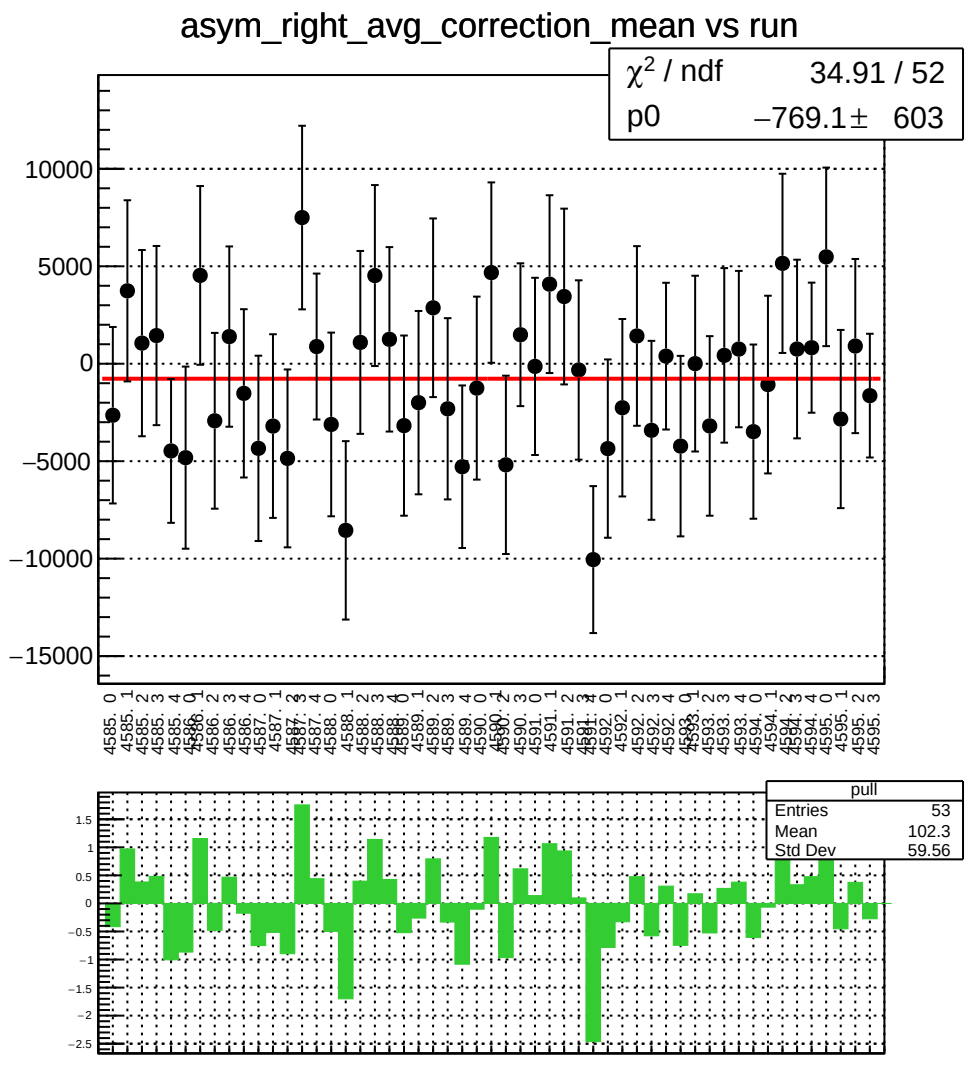

pull1D
Entries 53
Mean 0.007671
Std Dev 1.05

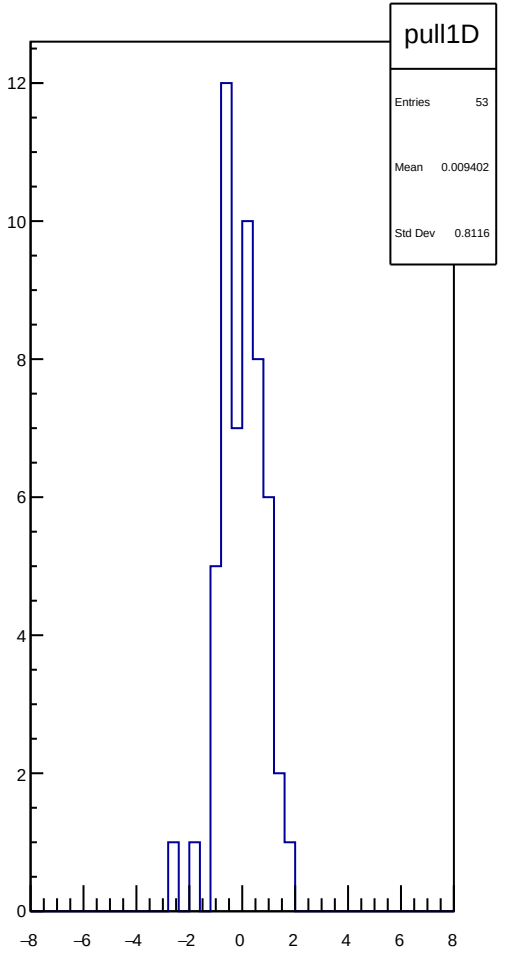

asym_left_dd_rms vs run
χ² / ndf 72.5 / 52
p0 32.72 ± 0.03196
33.6
33.4
33.2
33
32.8
32.6
32.4
32.2
32

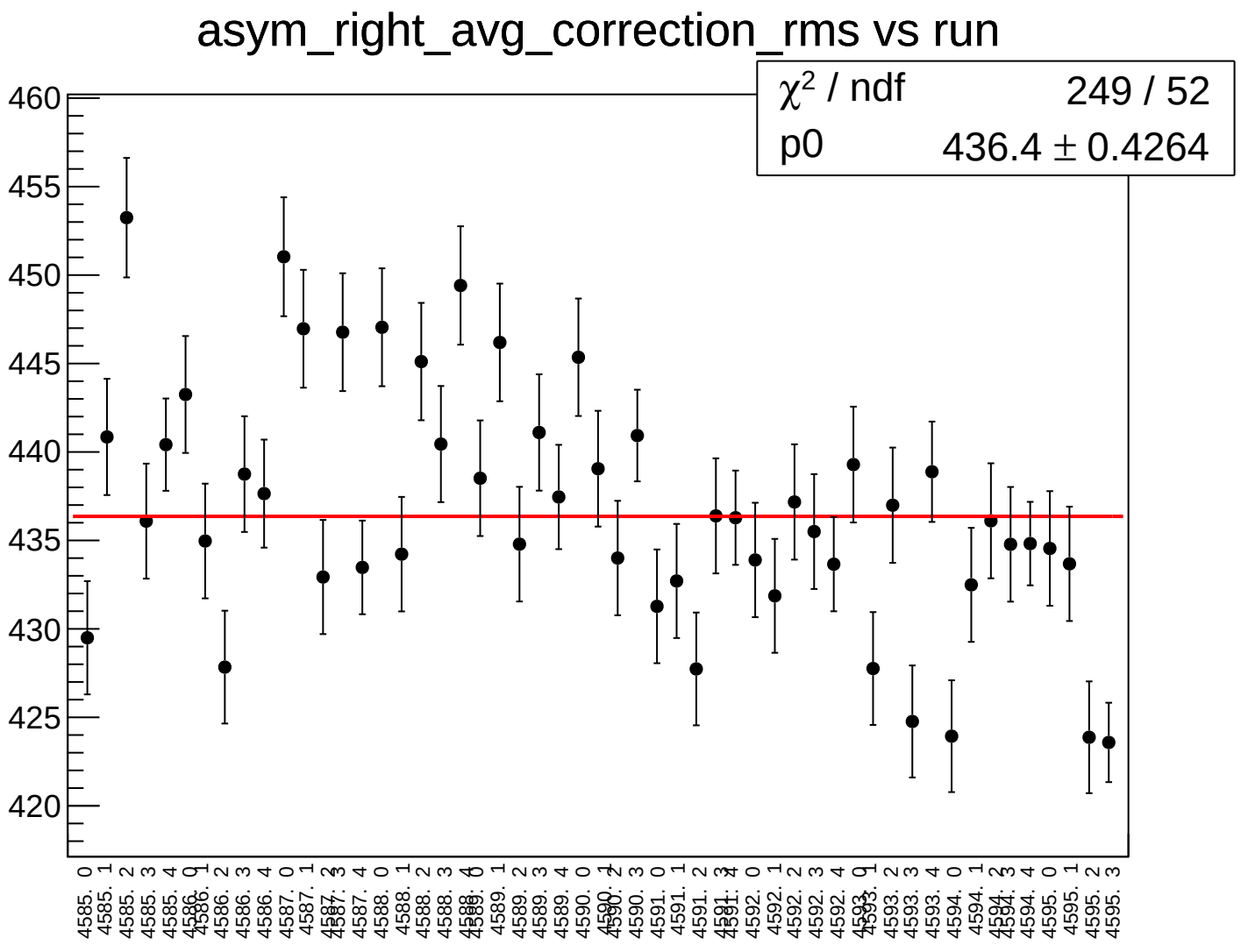

reg_asym_right_avg_mean vs run
χ² / ndf 58.82 / 52
p0 −620.6 ± 181
pull
Entries 53
Mean −1223
Std Dev 1249

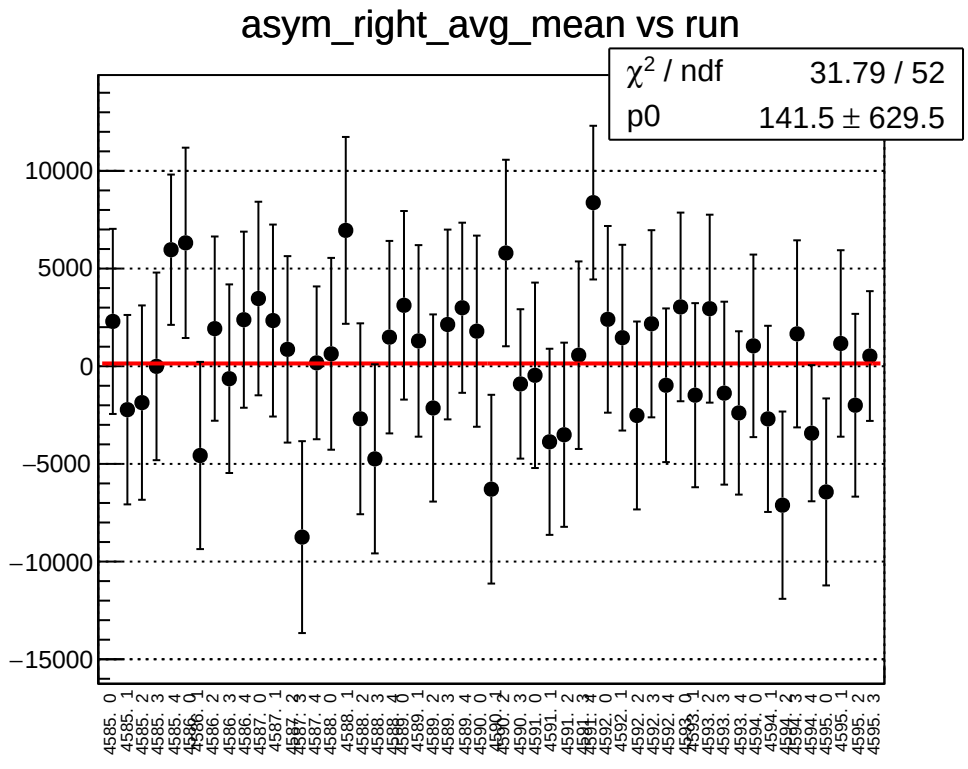

pull1D
Entries 53
Mean 0.004976
Std Dev 1.053

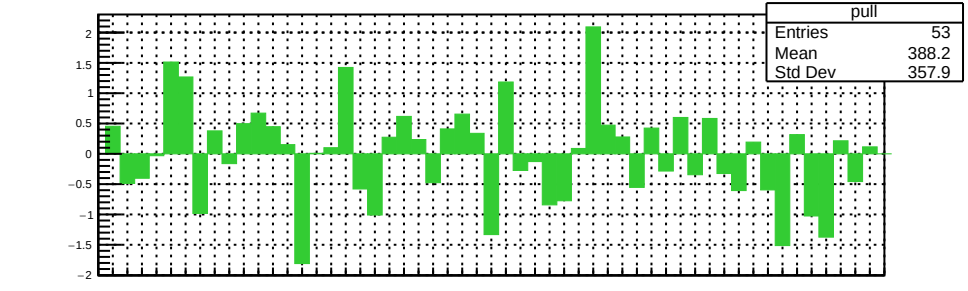

reg_asym_right_avg_rms vs run
χ² / ndf 62.55 / 52
p0 131 ± 0.128
135
134
133
132
131
130
129
128
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

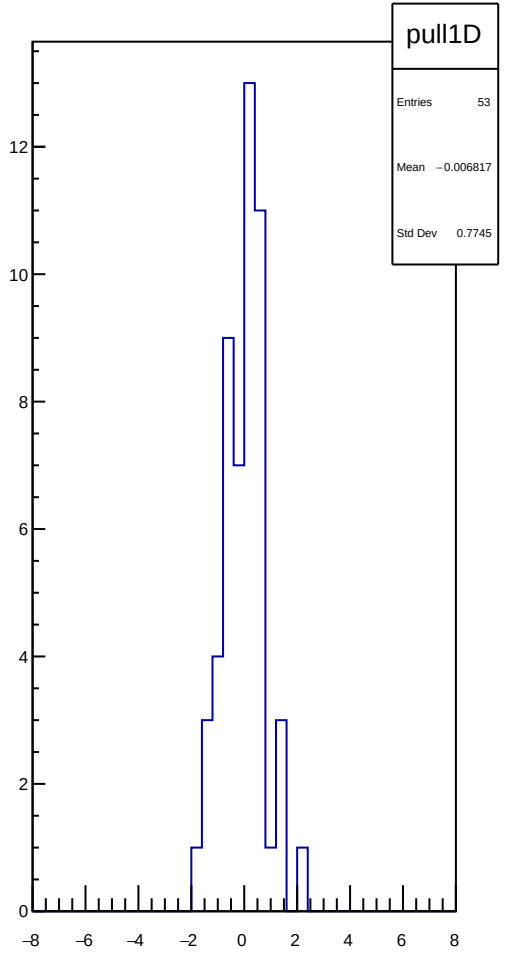

asym_right_avg_correction_mean vs run
χ² / ndf 34.91 / 52
p0 −769.1± 603
pull
Entries 53
Mean 102.3
Std Dev 59.56

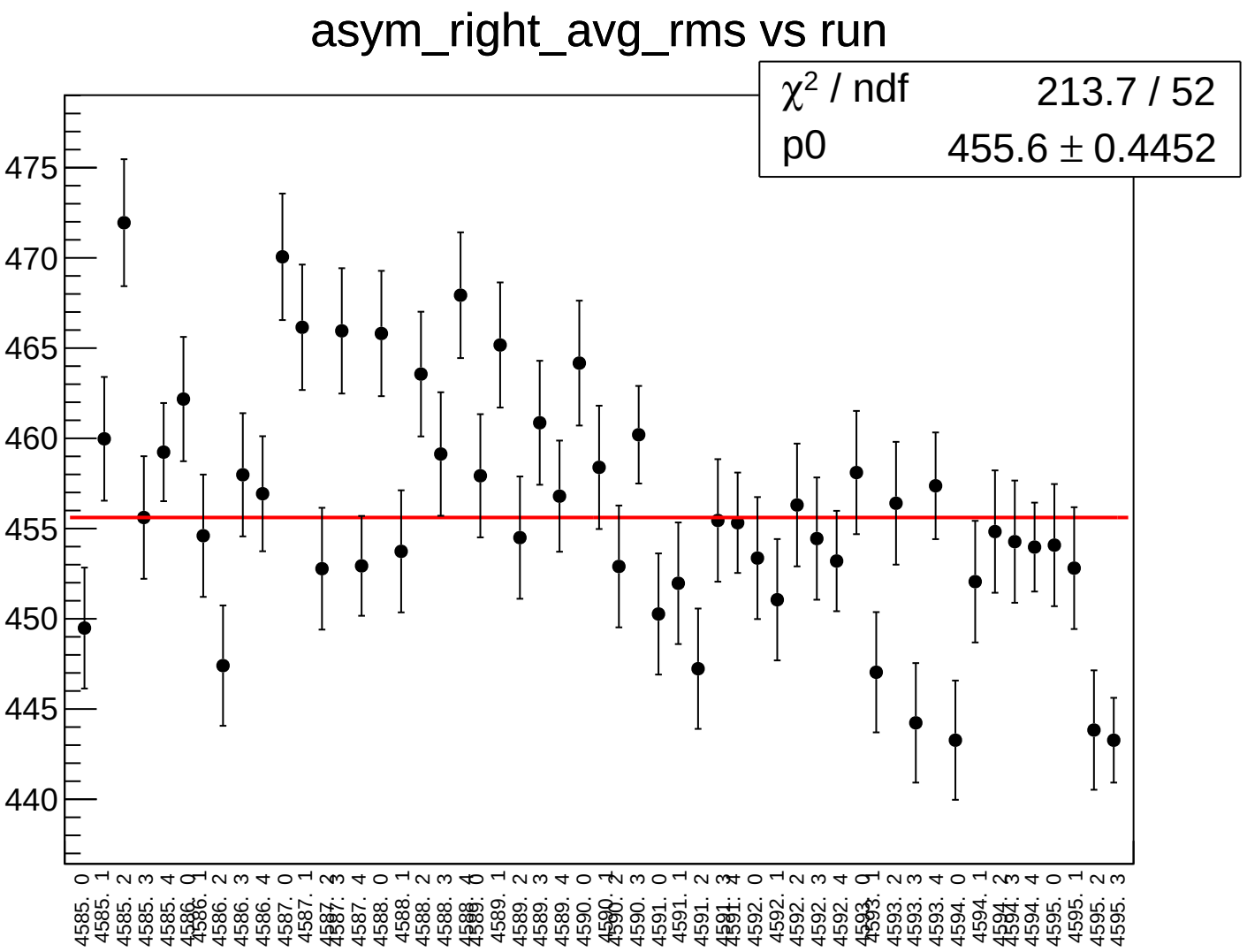

pull1D
Entries 53
Mean 0.009402
Std Dev 0.8116

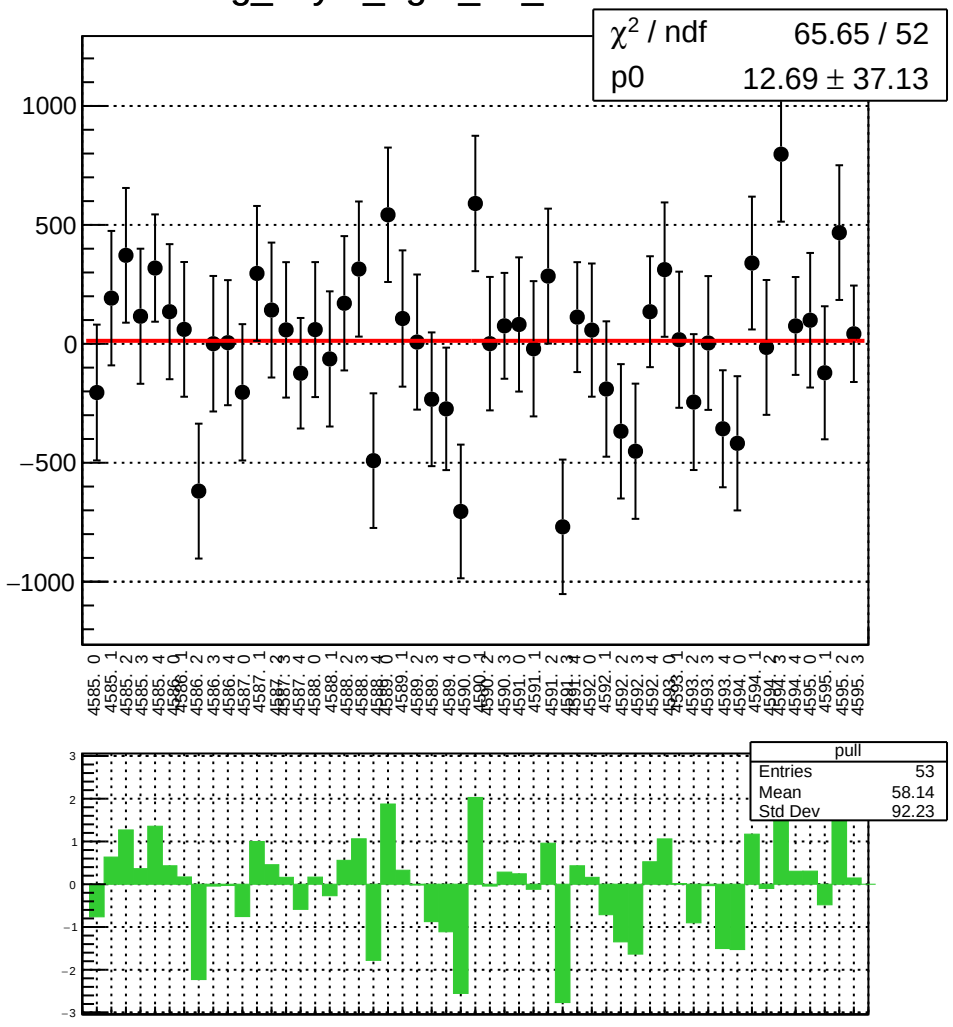

asym_right_avg_correction_rms vs run
χ² / ndf 249 / 52
p0 436.4 ± 0.4264
460
455
450
445
440
435
430
425
420

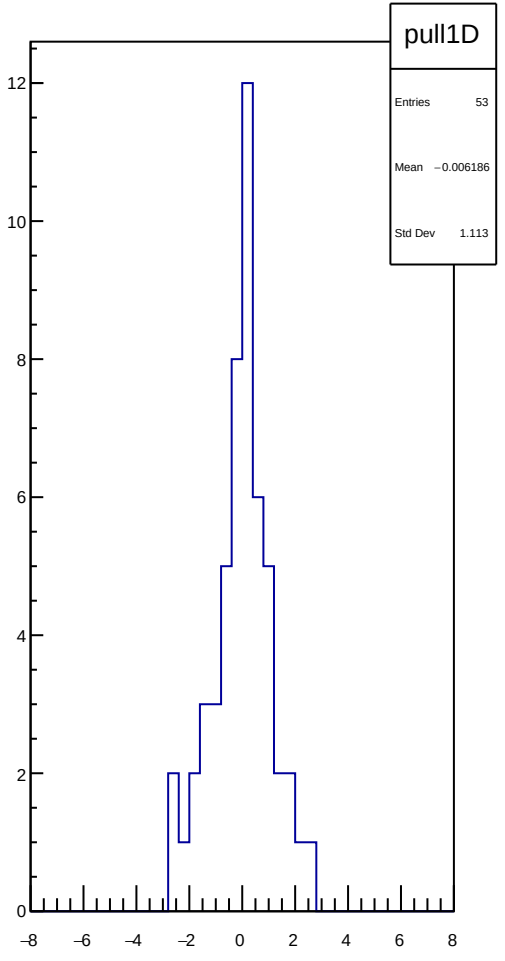

asym_right_avg_mean vs run
χ^2 / ndf 31.79 / 52
p0 141.5 ± 629.5
10000
5000
0
−5000
−10000
−15000

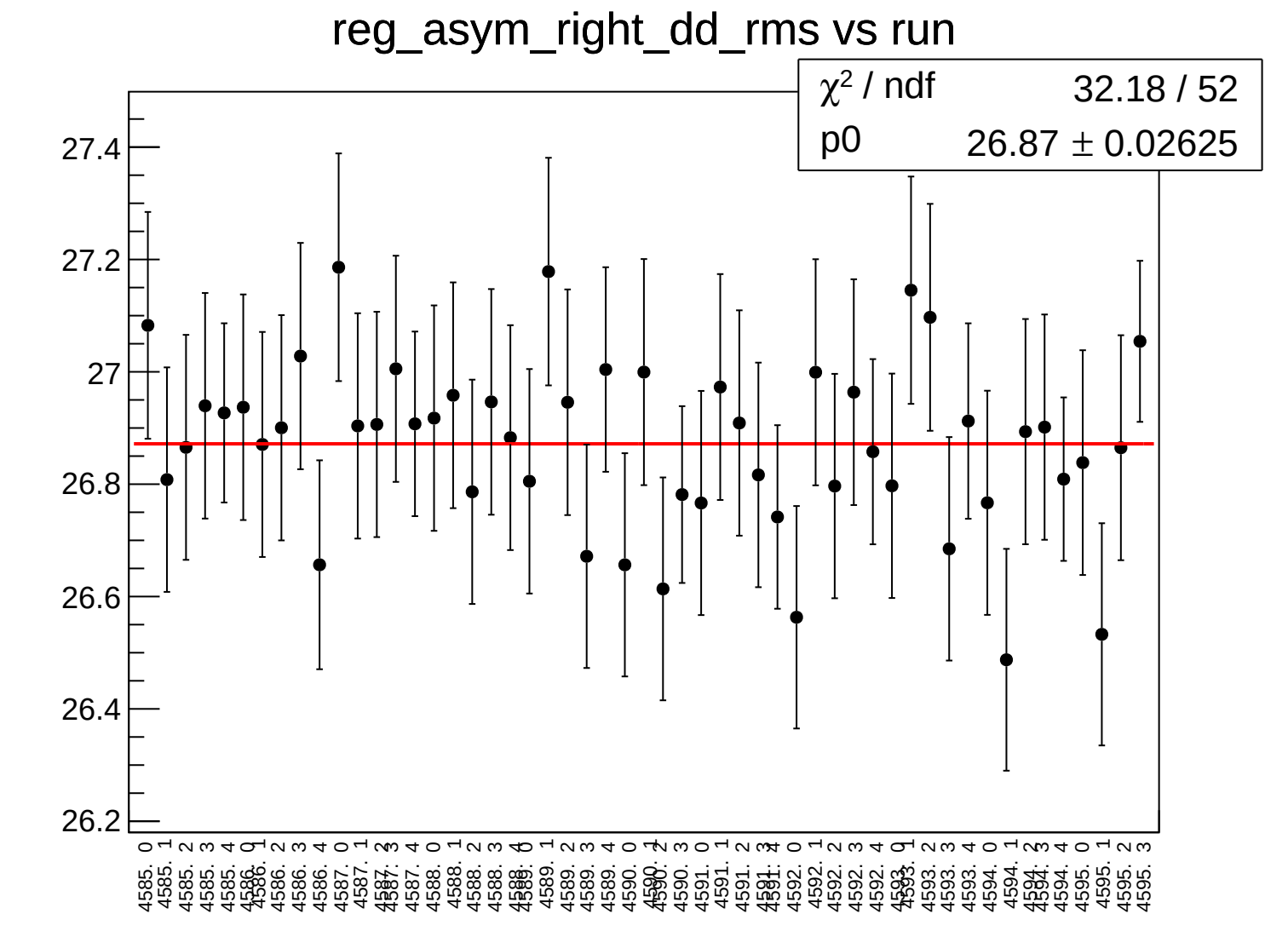

pull
Entries 53
Mean 388.2
Std Dev 357.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean −0.006817
Std Dev 0.7745
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_right_avg_rms vs run
χ² / ndf 213.7 / 52
p0 455.6 ± 0.4452
475
470
465
460
455
450
445
440


reg_asym_right_dd_mean vs run
χ² / ndf 65.65 / 52
p0 12.69 ± 37.13
1000
500
0
−500
−1000
pull
Entries 53
Mean 58.14
Std Dev 92.23
3
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.006186
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_right_dd_rms vs run
χ² / ndf 32.18 / 52
p0 26.87 ± 0.02625
27.4
27.2
27
26.8
26.6
26.4
26.2
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
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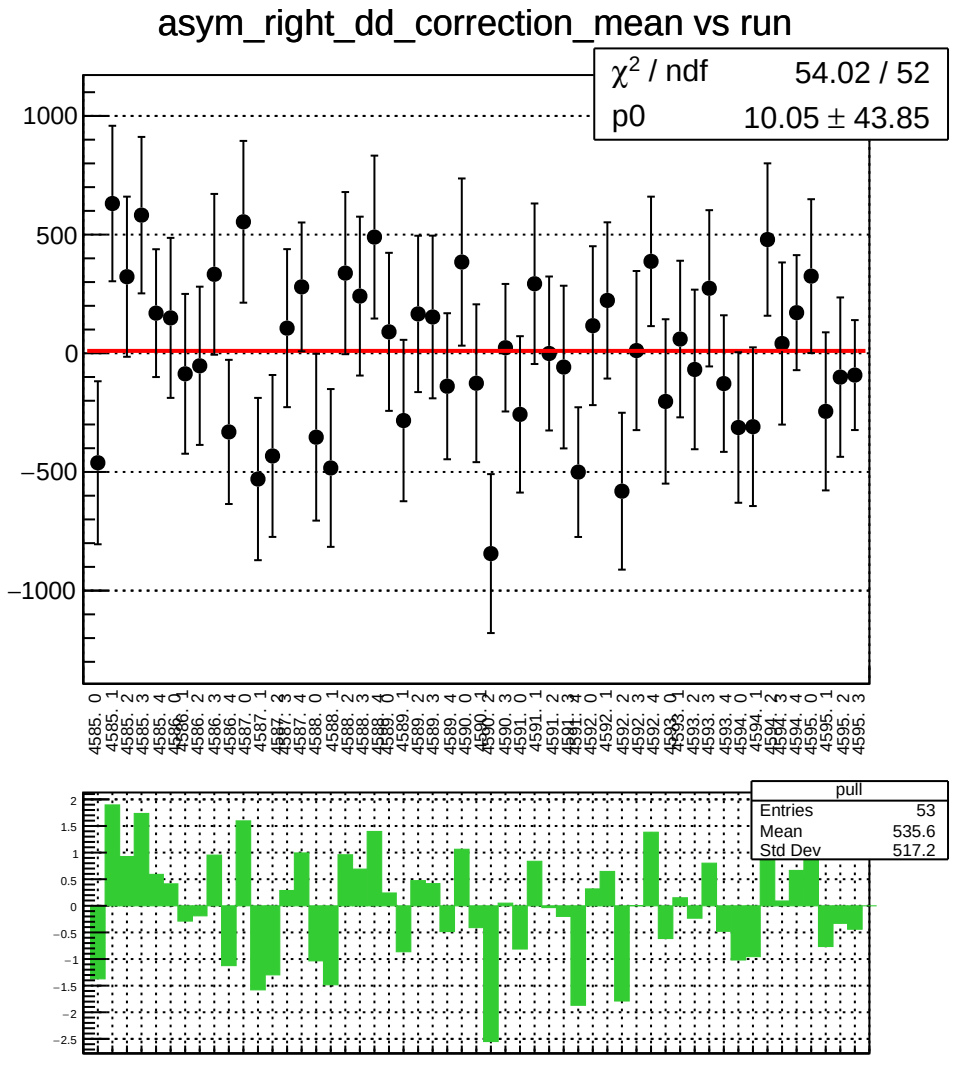
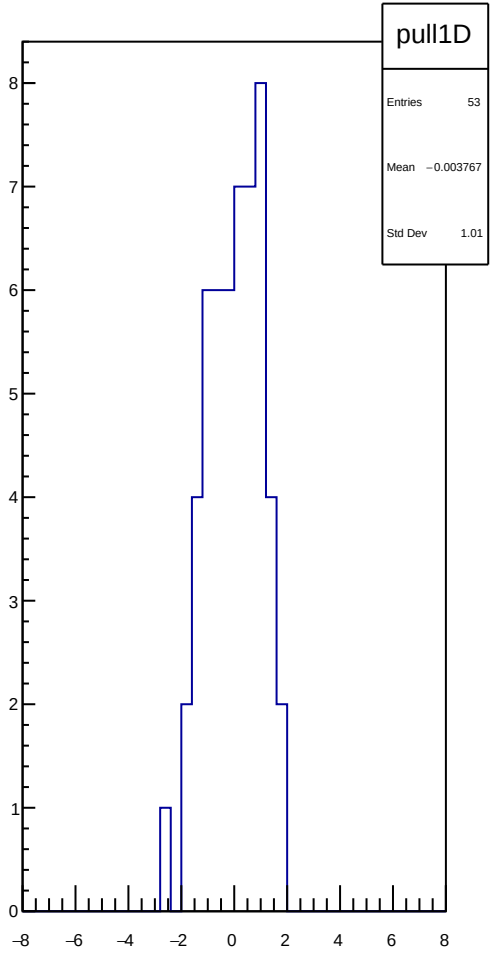
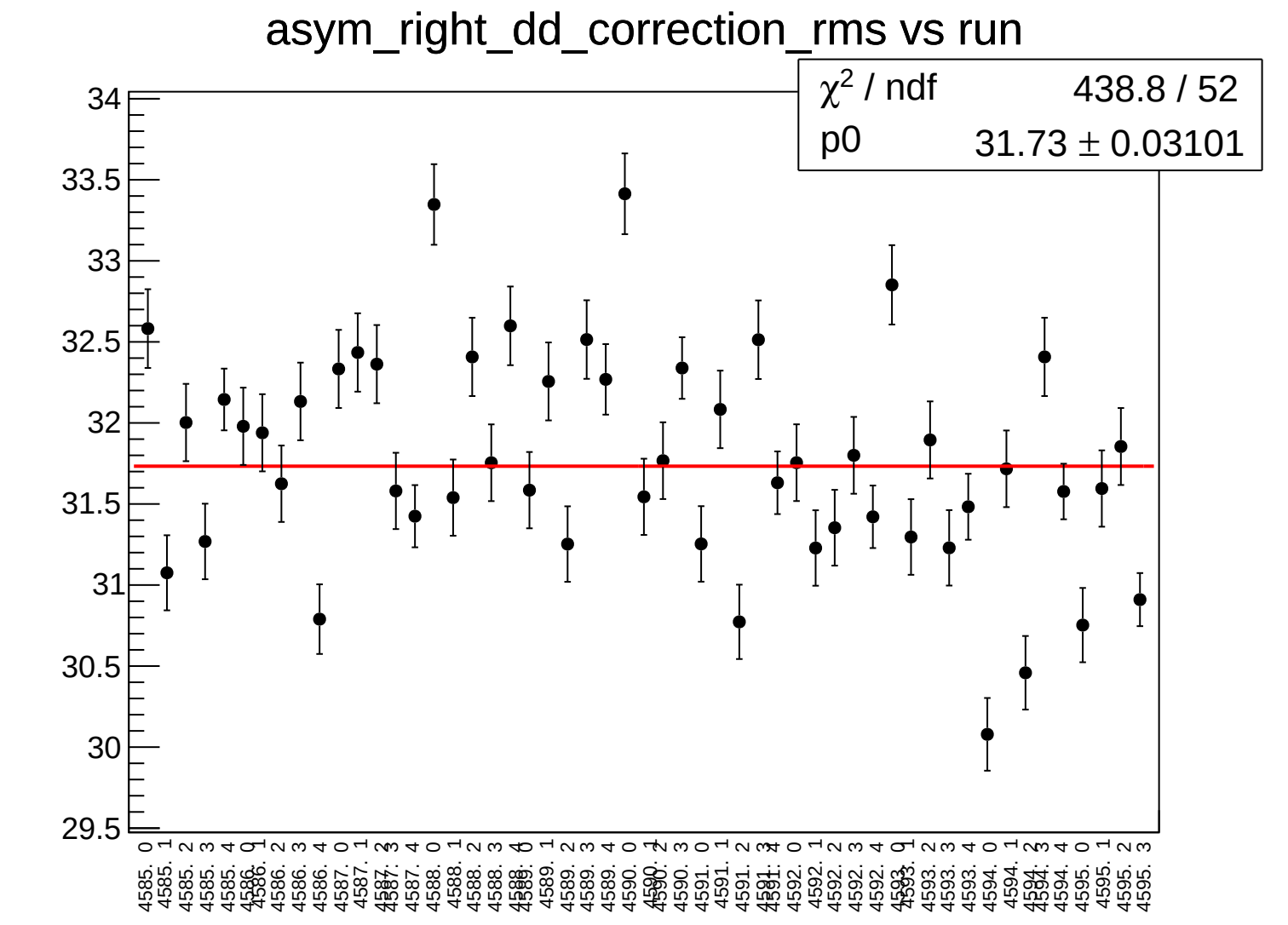
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_right_dd_correction_mean vs run
χ^2 / ndf 54.02 / 52
p0 10.05 ± 43.85
1000
500
0
−500
−1000
pull
Entries 53
Mean 535.6
Std Dev 517.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean −0.003767
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_right_dd_correction_rms vs run
χ² / ndf 438.8 / 52
p0 31.73 ± 0.03101
34
33.5
33
32.5
32
31.5
31
30.5
30
29.5
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
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4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
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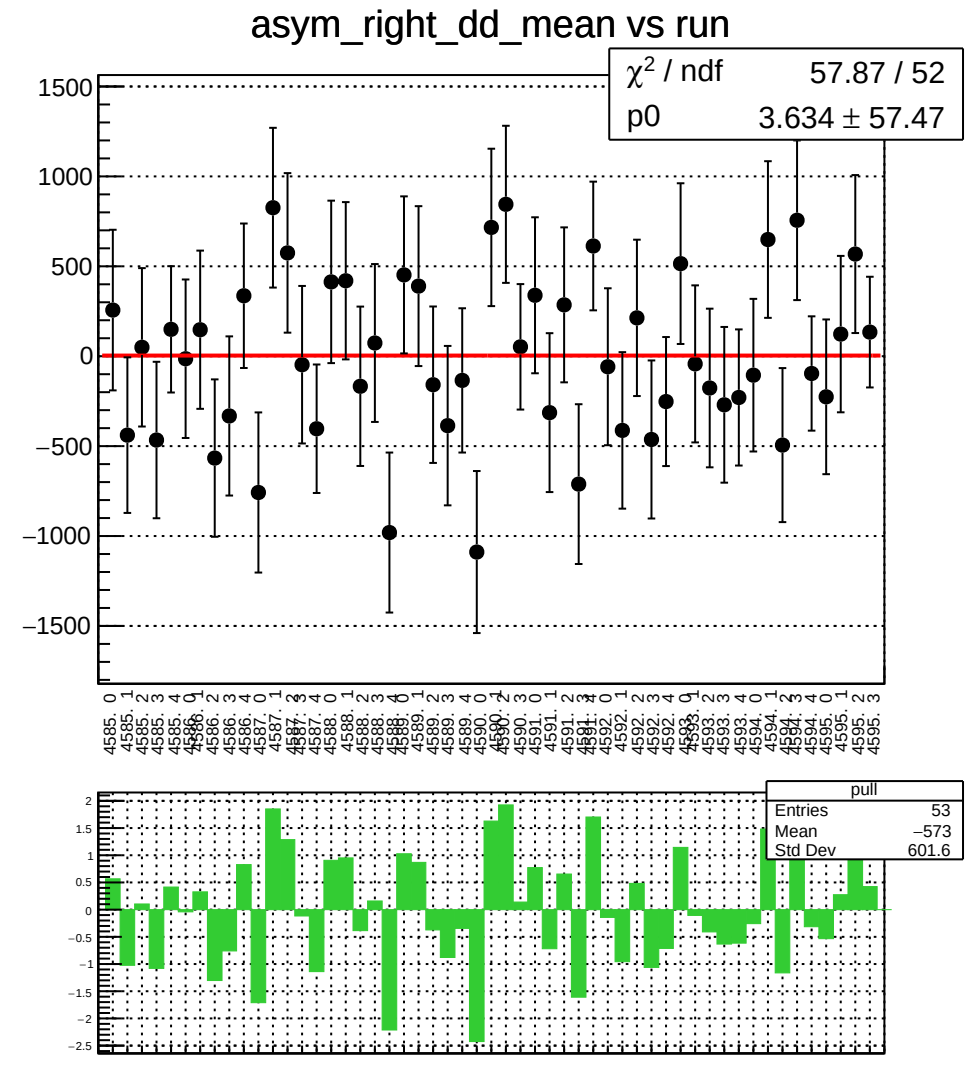
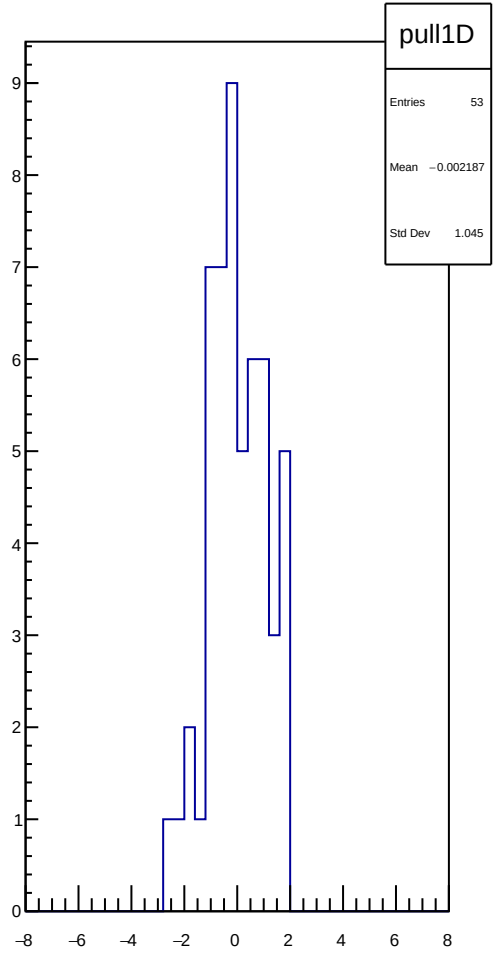
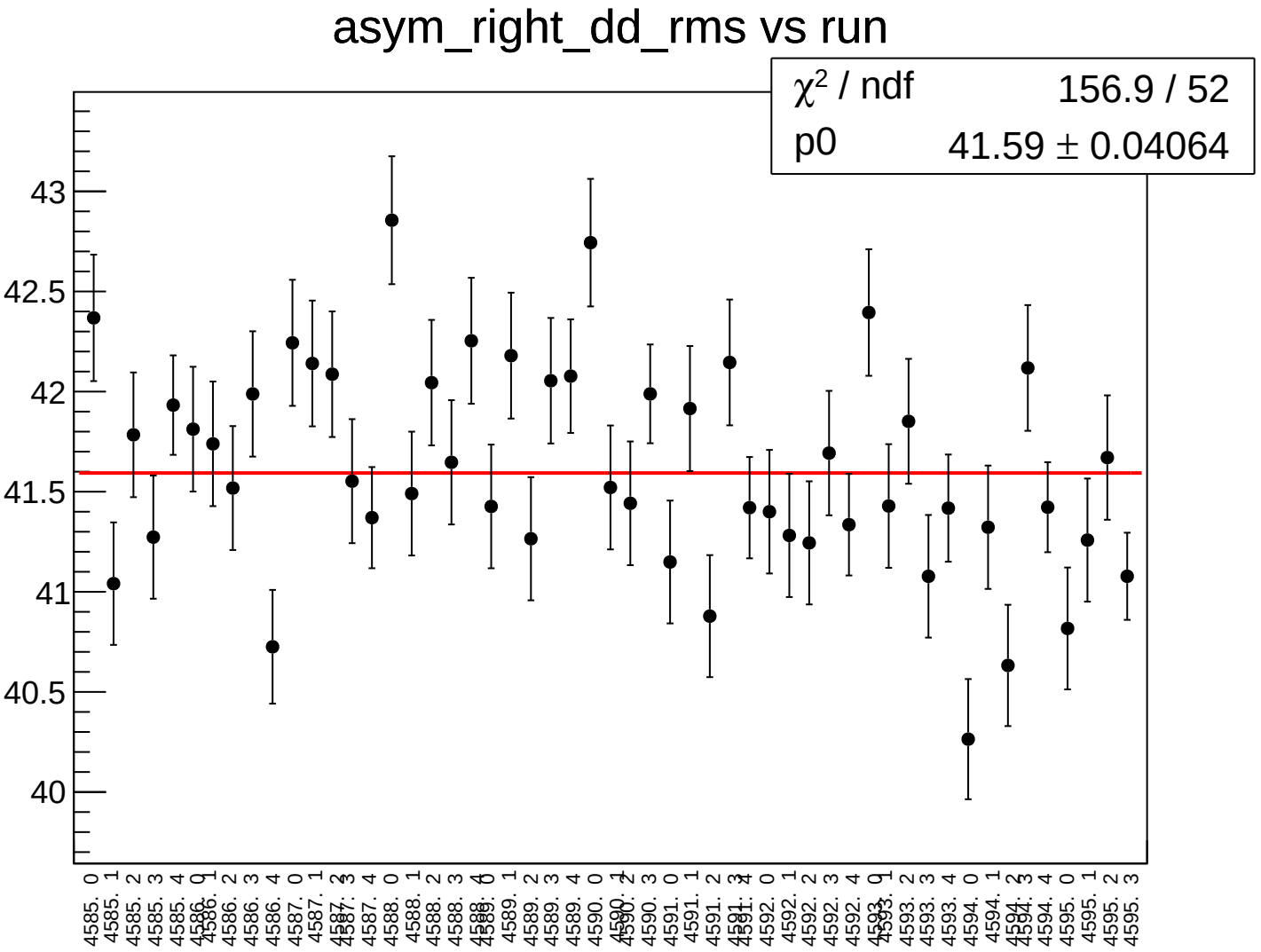
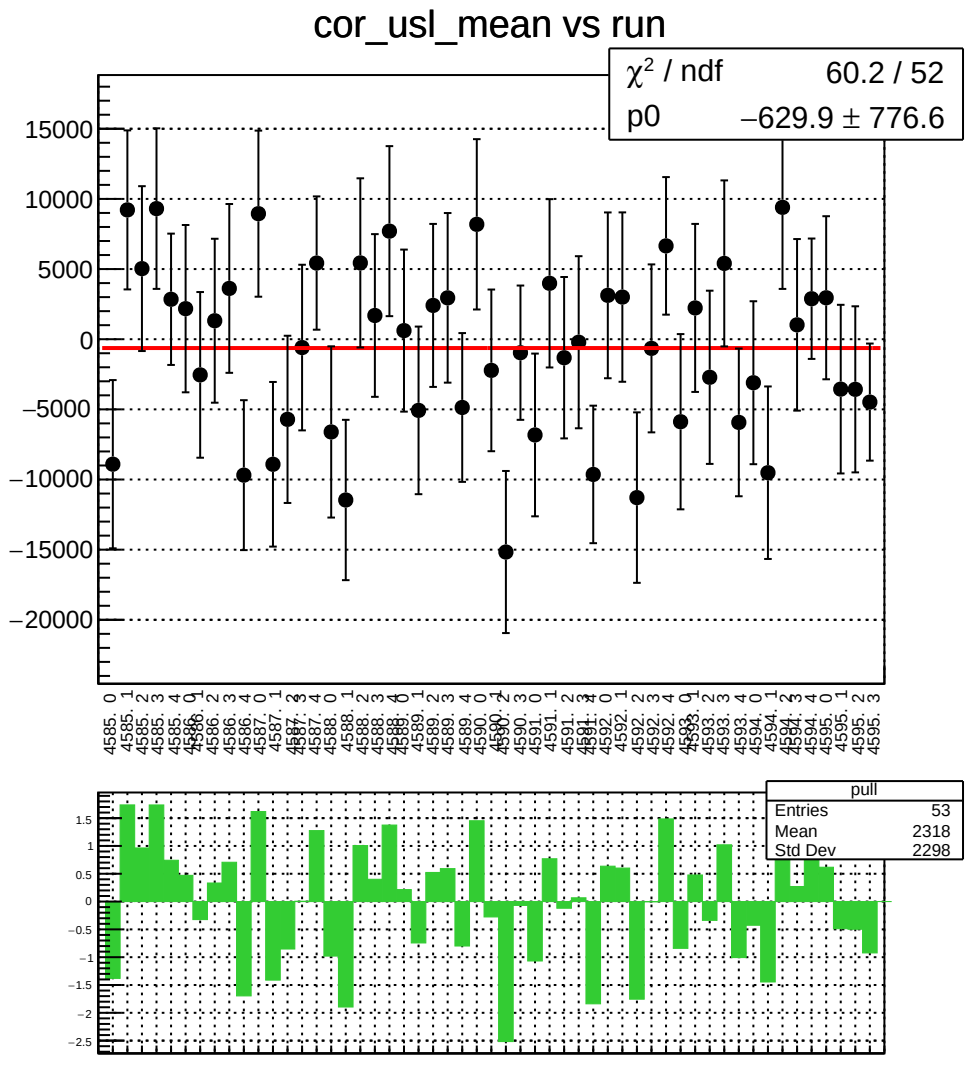
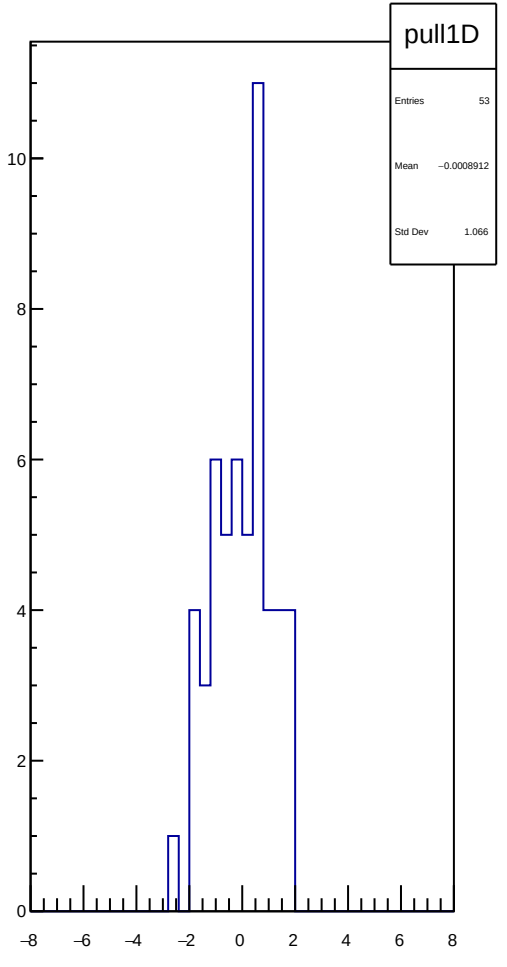
4595. 2
4595. 3

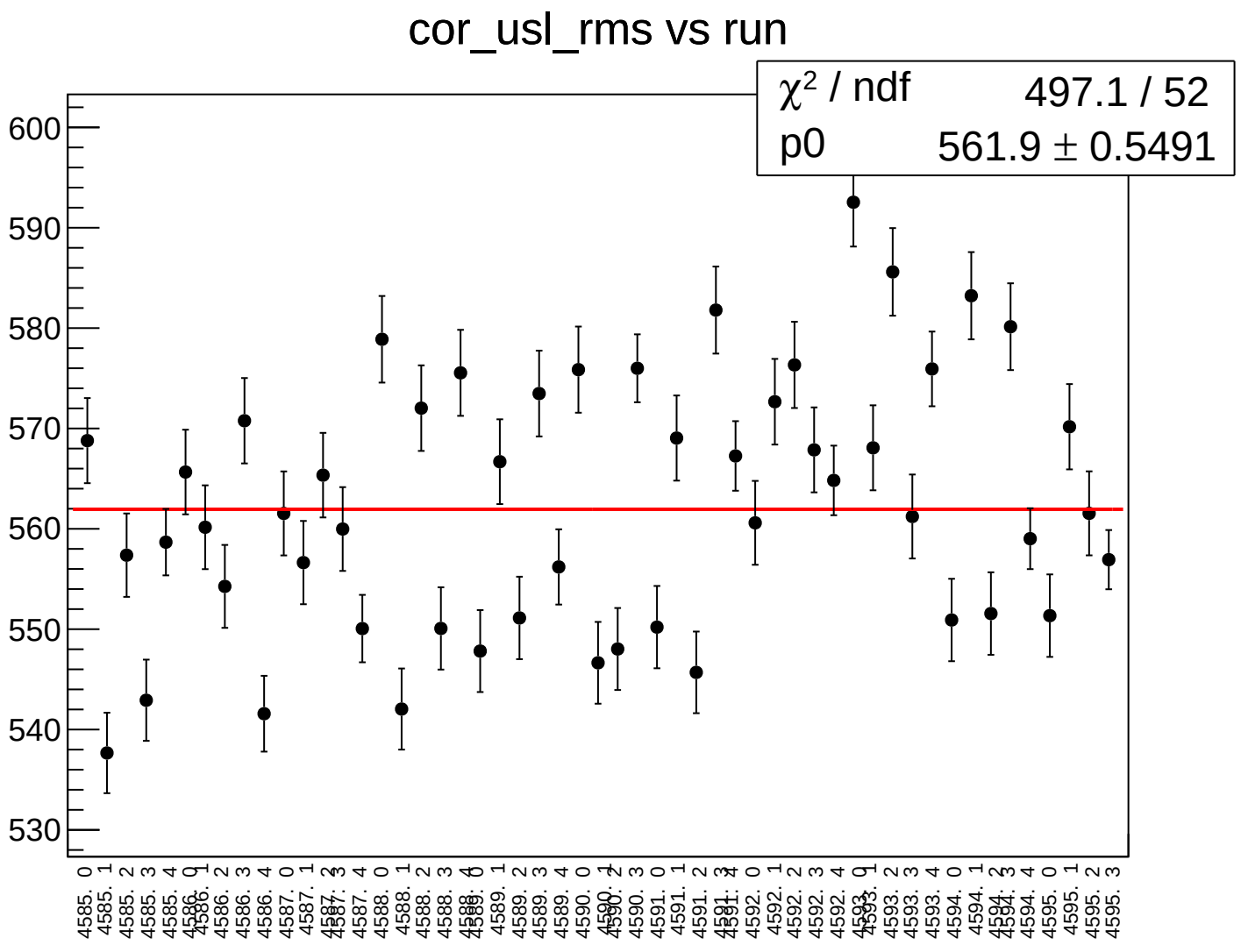

asym_right_dd_mean vs run
χ^2 / ndf 57.87 / 52
p0 3.634 ± 57.47
pull
Entries 53
Mean −573
Std Dev 601.6


pull1D
Entries 53
Mean −0.002187
Std Dev 1.045


asym_right_dd_rms vs run
χ² / ndf 156.9 / 52
p0 41.59 ± 0.04064
43
42.5
42
41.5
41
40.5
40


cor_usl_mean vs run
χ² / ndf 60.2 / 52
p0 −629.9 ± 776.6
pull
Entries 53
Mean 2318
Std Dev 2298


pull1D
Entries 53
Mean −0.0008912
Std Dev 1.066


cor_usl_rms vs run
χ² / ndf 497.1 / 52
p0 561.9 ± 0.5491
600
590
580
570
560
550
540
530
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
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4592. 1
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4592. 3
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4593. 0
4593. 1
4593. 2
4593. 3
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4595. 0
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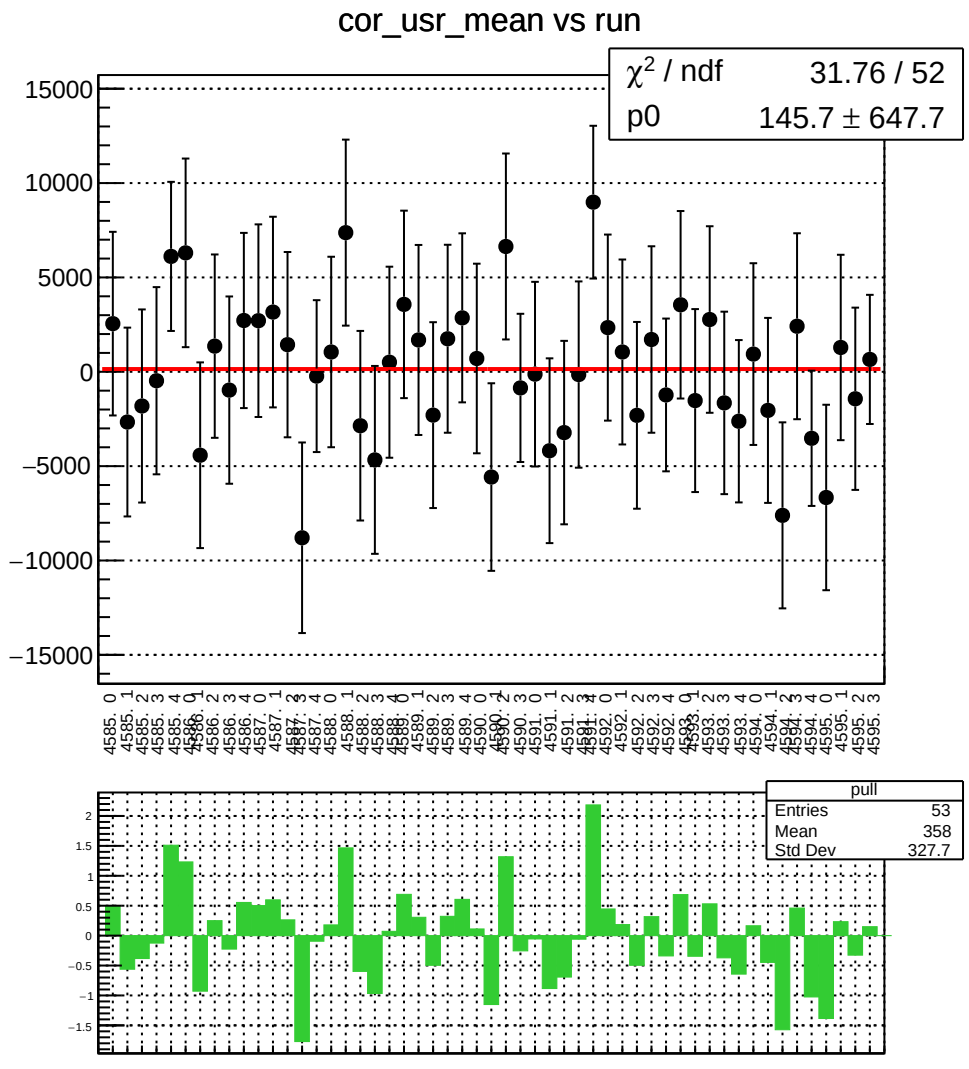
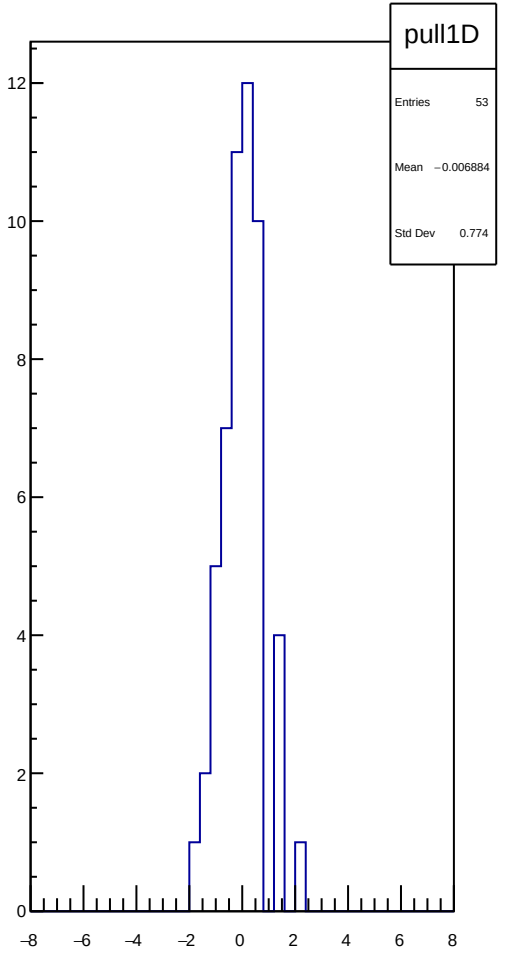
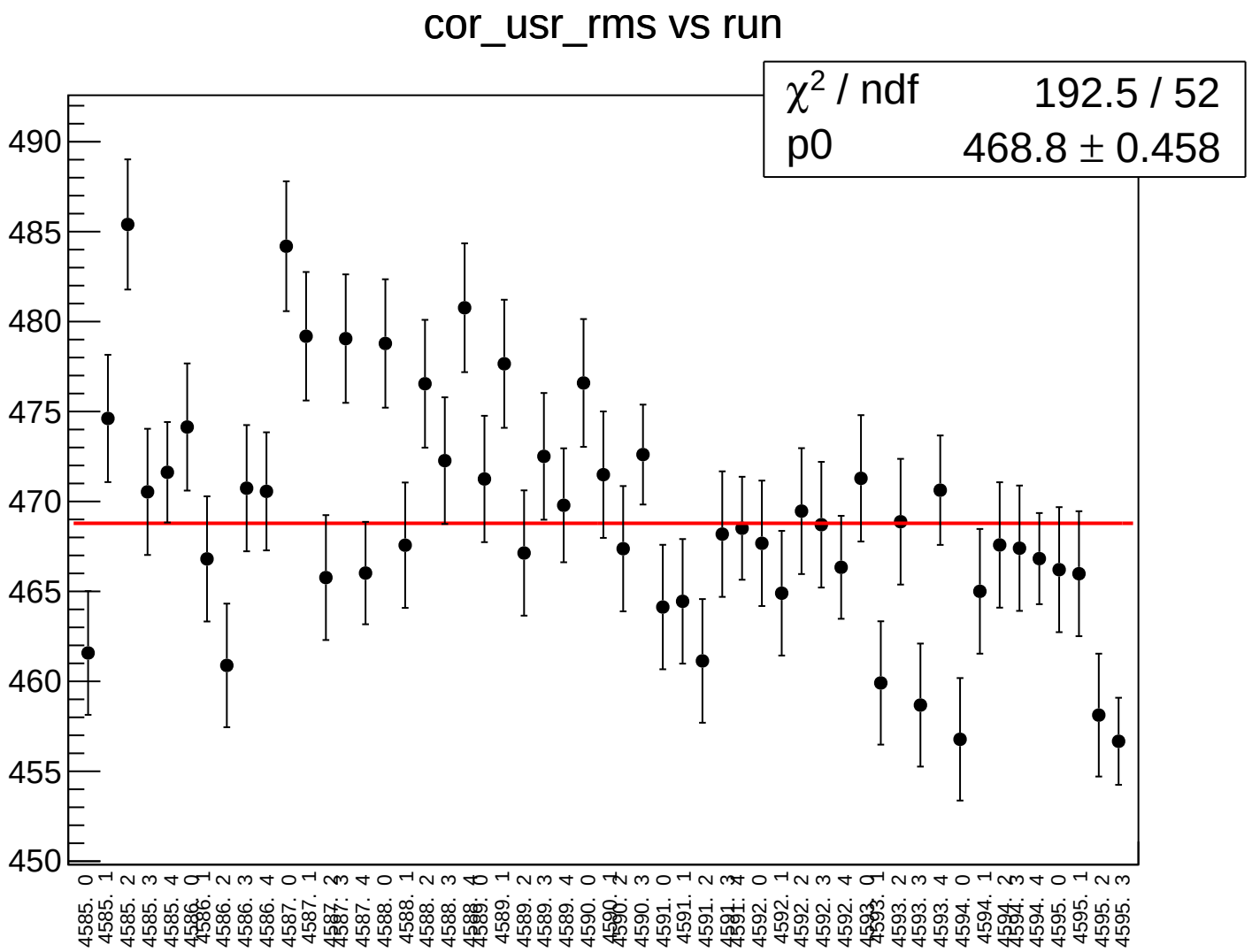
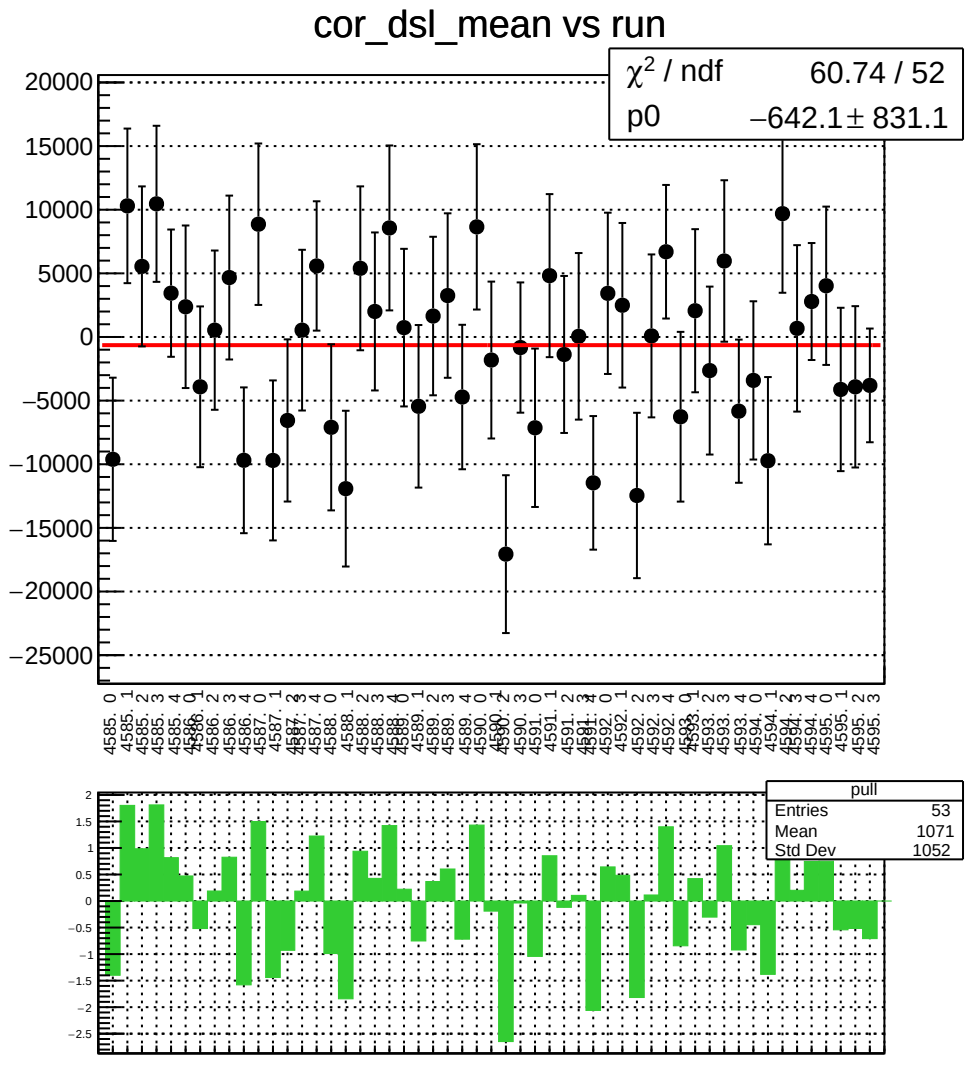
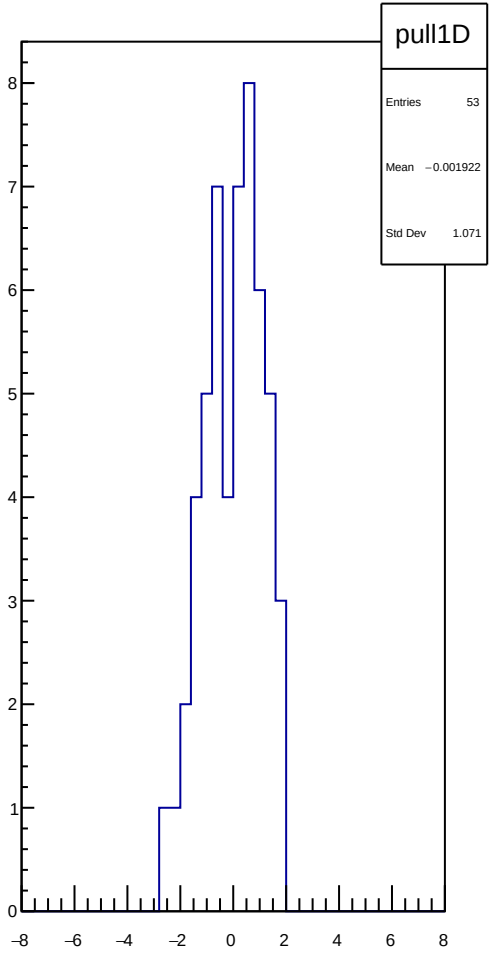
4595. 2
4595. 3

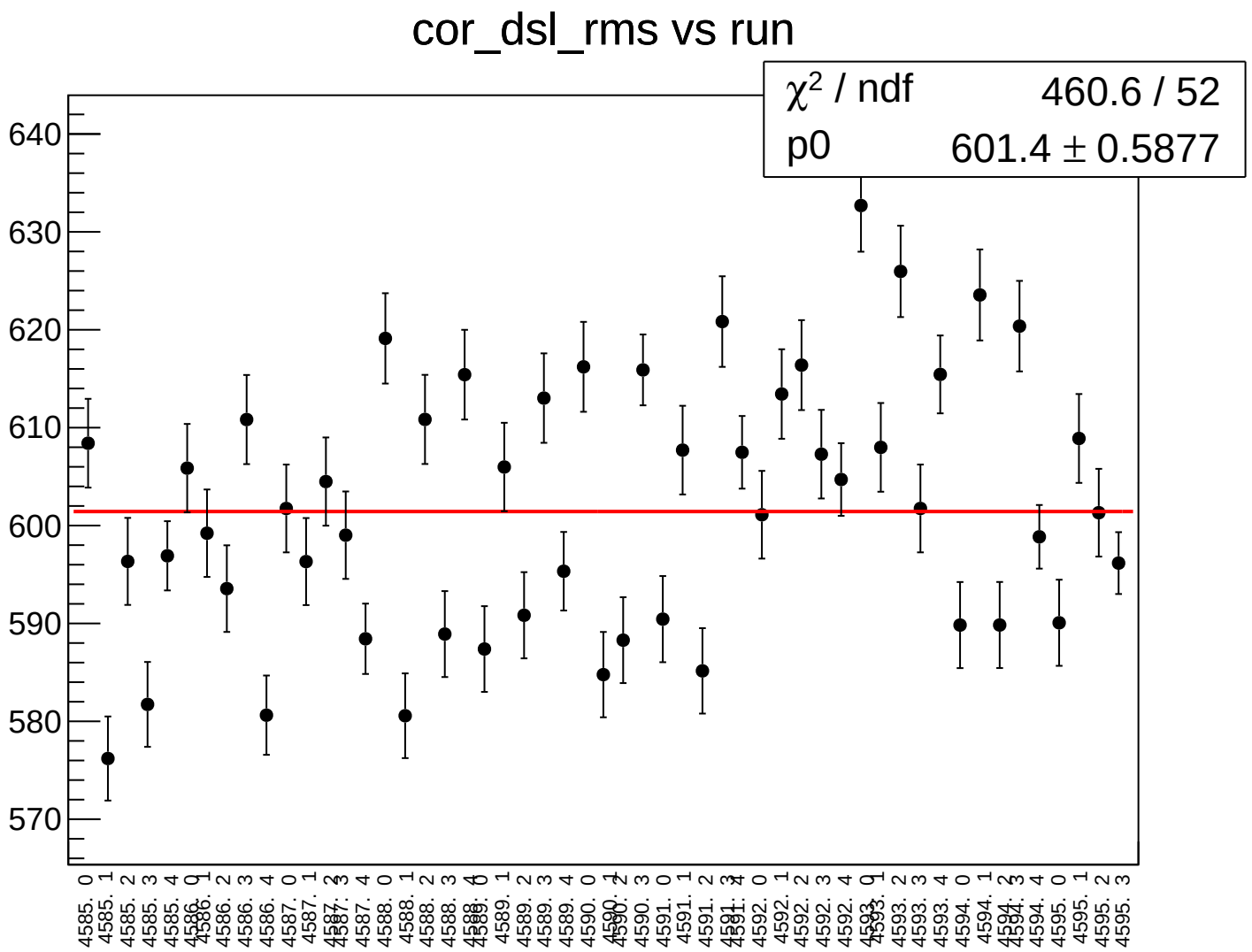

cor_usr_mean vs run
χ² / ndf 31.76 / 52
p0 145.7 ± 647.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 358
Std Dev 327.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

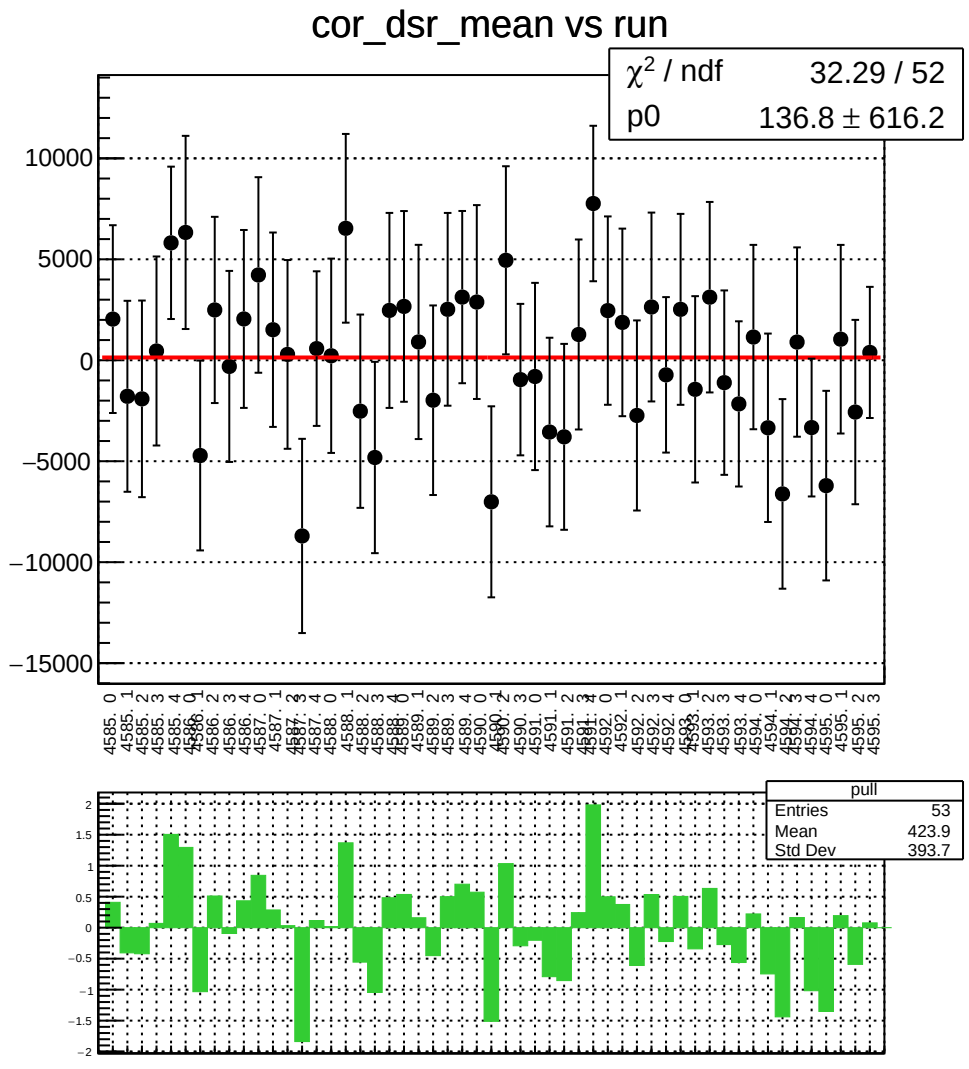

pull1D
Entries 53
Mean −0.006884
Std Dev 0.774
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

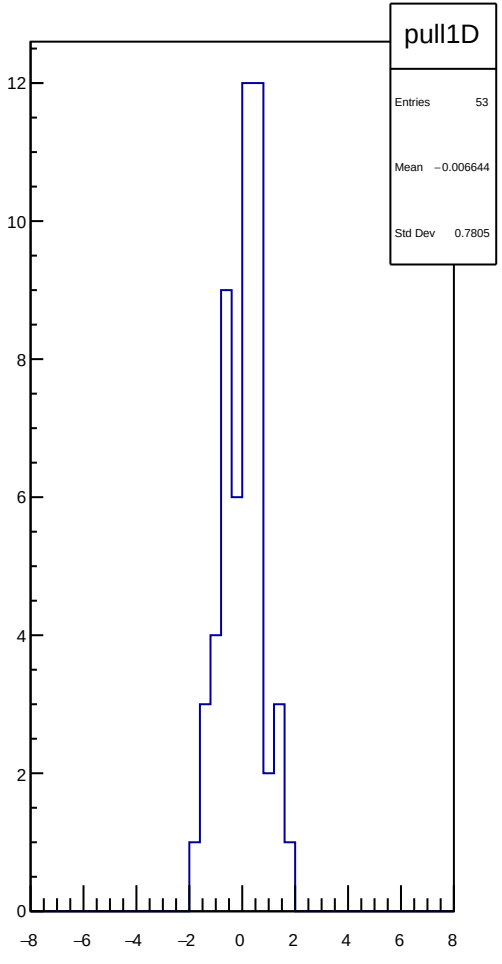

cor_usr_rms vs run
χ² / ndf 192.5 / 52
p0 468.8 ± 0.458
490
485
480
475
470
465
460
455
450
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

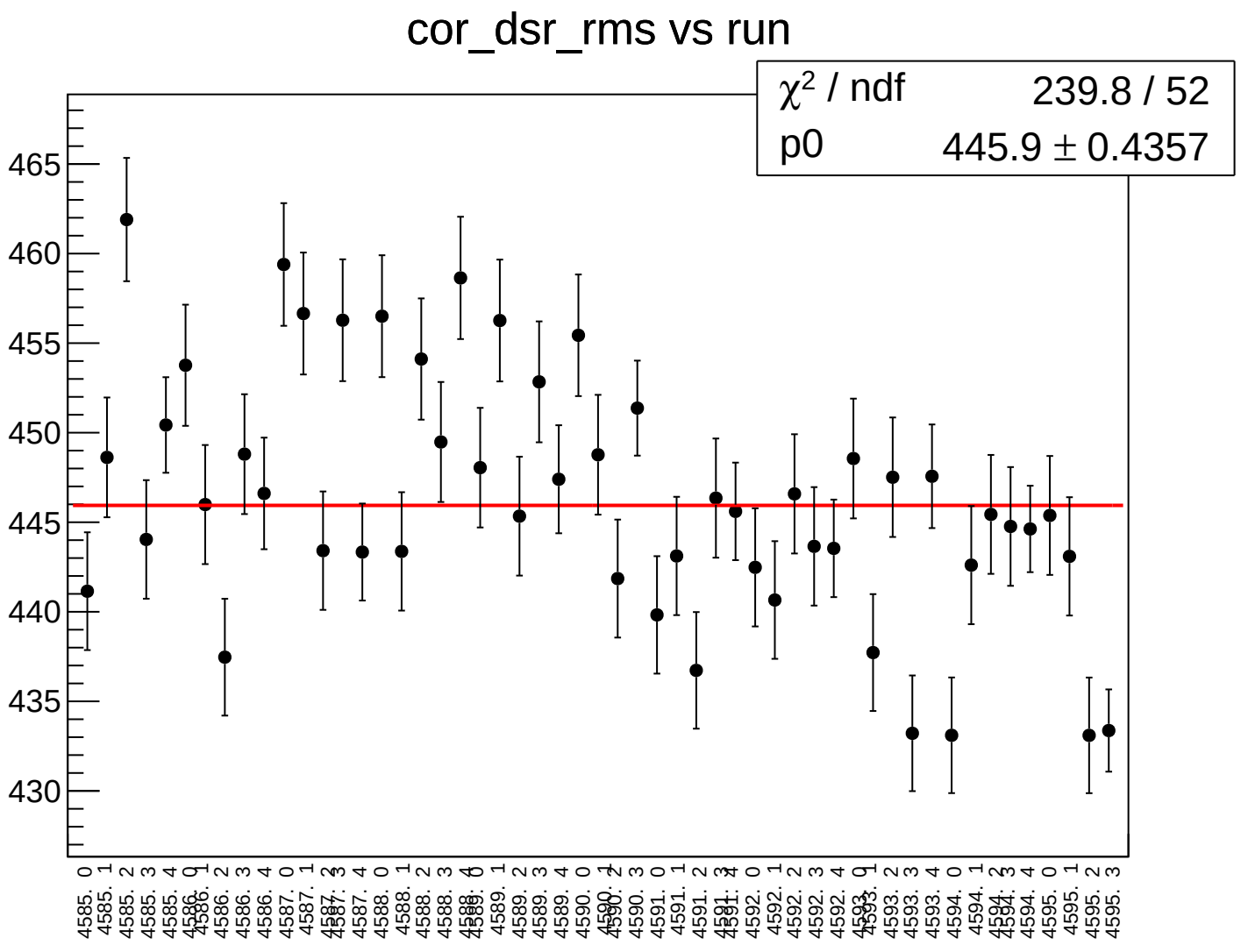

cor_dsl_mean vs run
χ² / ndf 60.74 / 52
p0 −642.1 ± 831.1
pull
Entries 53
Mean 1071
Std Dev 1052

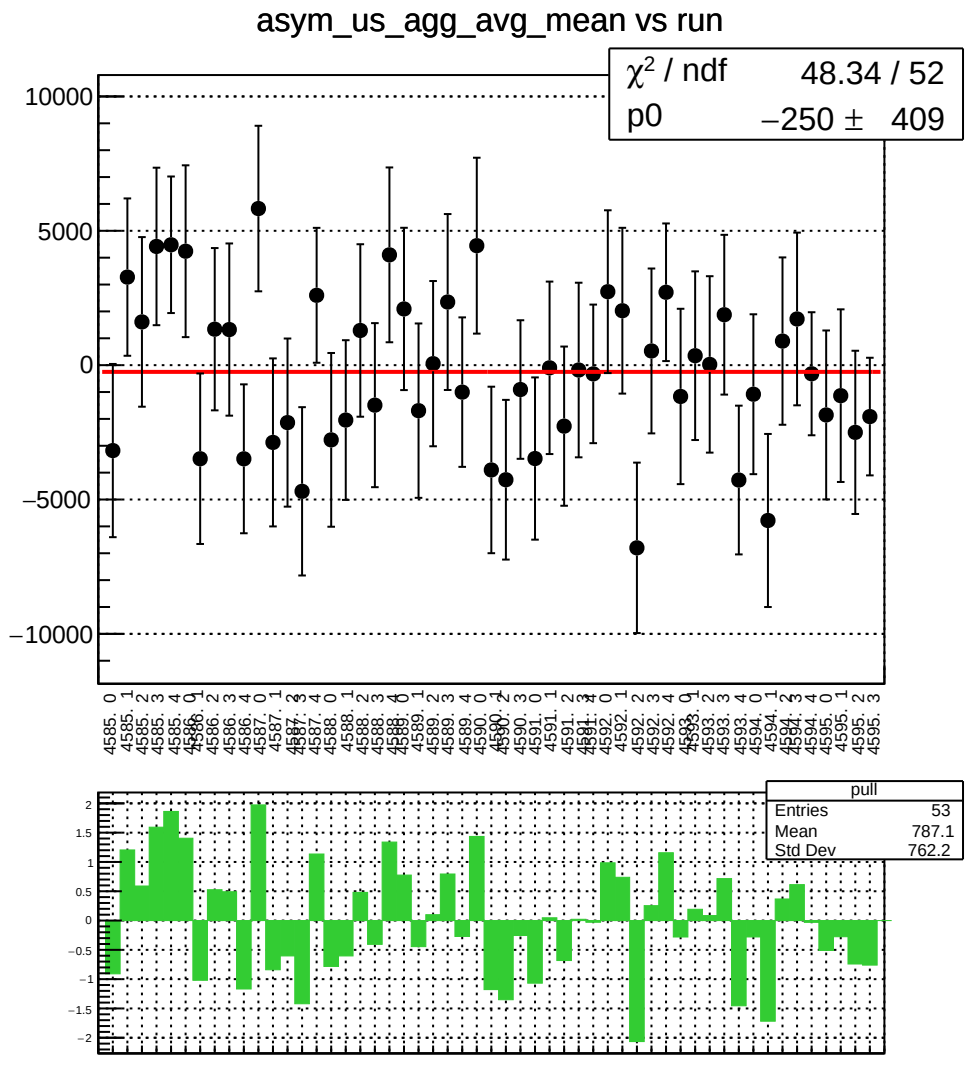

pull1D
Entries 53
Mean −0.001922
Std Dev 1.071

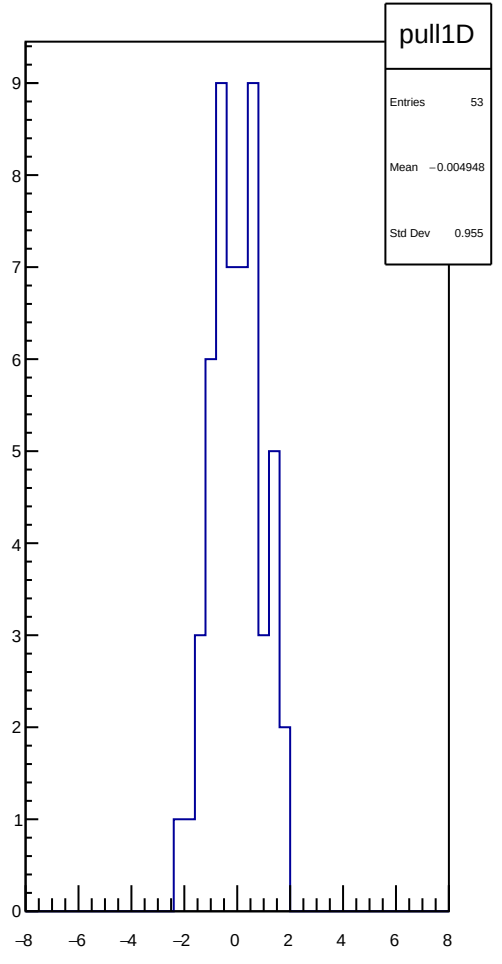

cor_dsl_rms vs run
χ² / ndf 460.6 / 52
p0 601.4 ± 0.5877
640
630
620
610
600
590
580
570
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

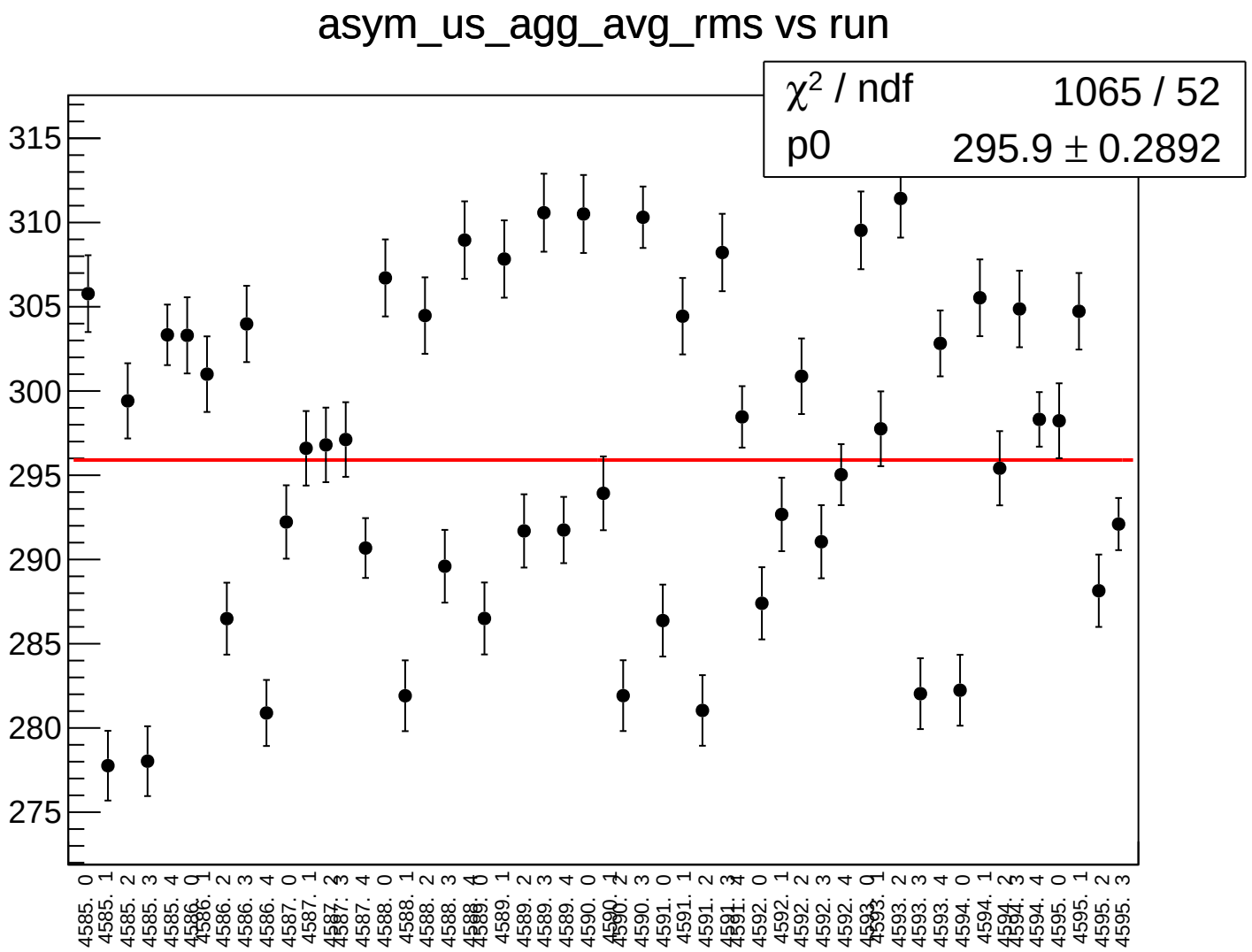

cor_dsr_mean vs run
χ² / ndf 32.29 / 52
p0 136.8 ± 616.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 423.9
Std Dev 393.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

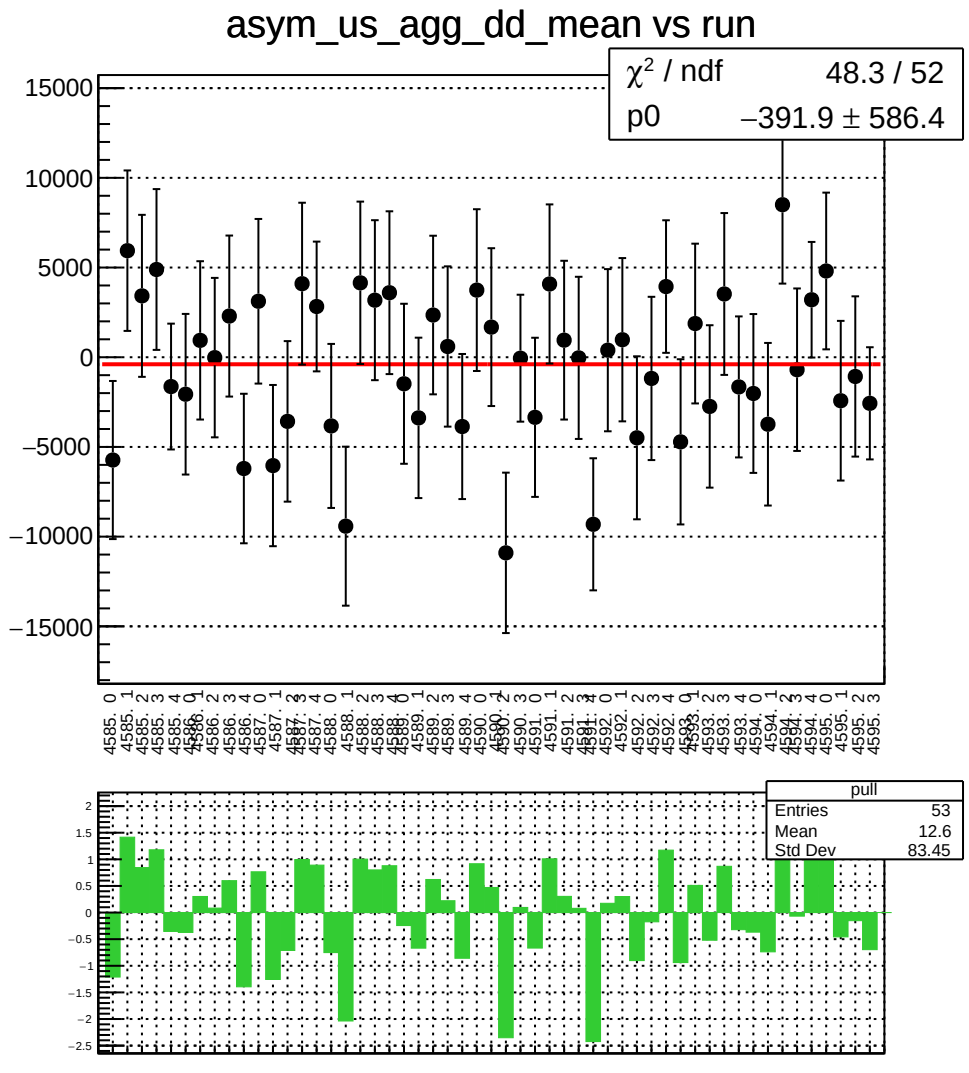

pull1D
Entries 53
Mean −0.006644
Std Dev 0.7805
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

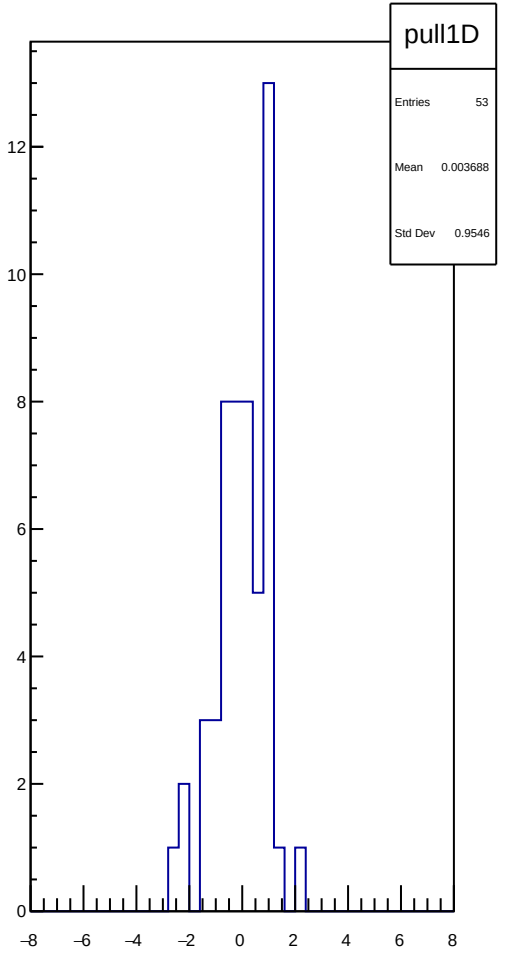

cor_dsr_rms vs run
χ² / ndf 239.8 / 52
p0 445.9 ± 0.4357
465
460
455
450
445
440
435
430
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

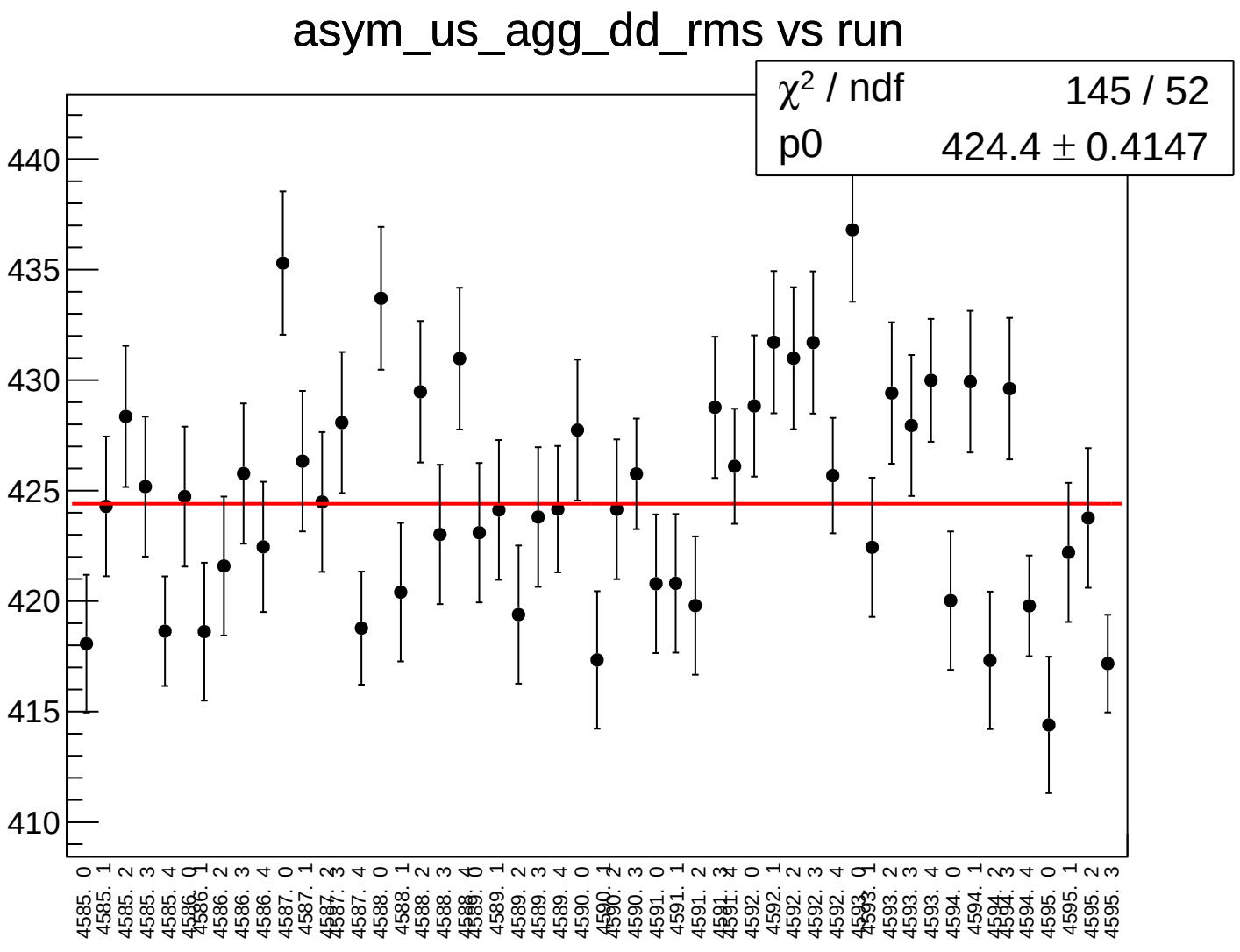

asym_us_agg_avg_mean vs run
χ² / ndf 48.34 / 52
p0 −250 ± 409
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 787.1
Std Dev 762.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

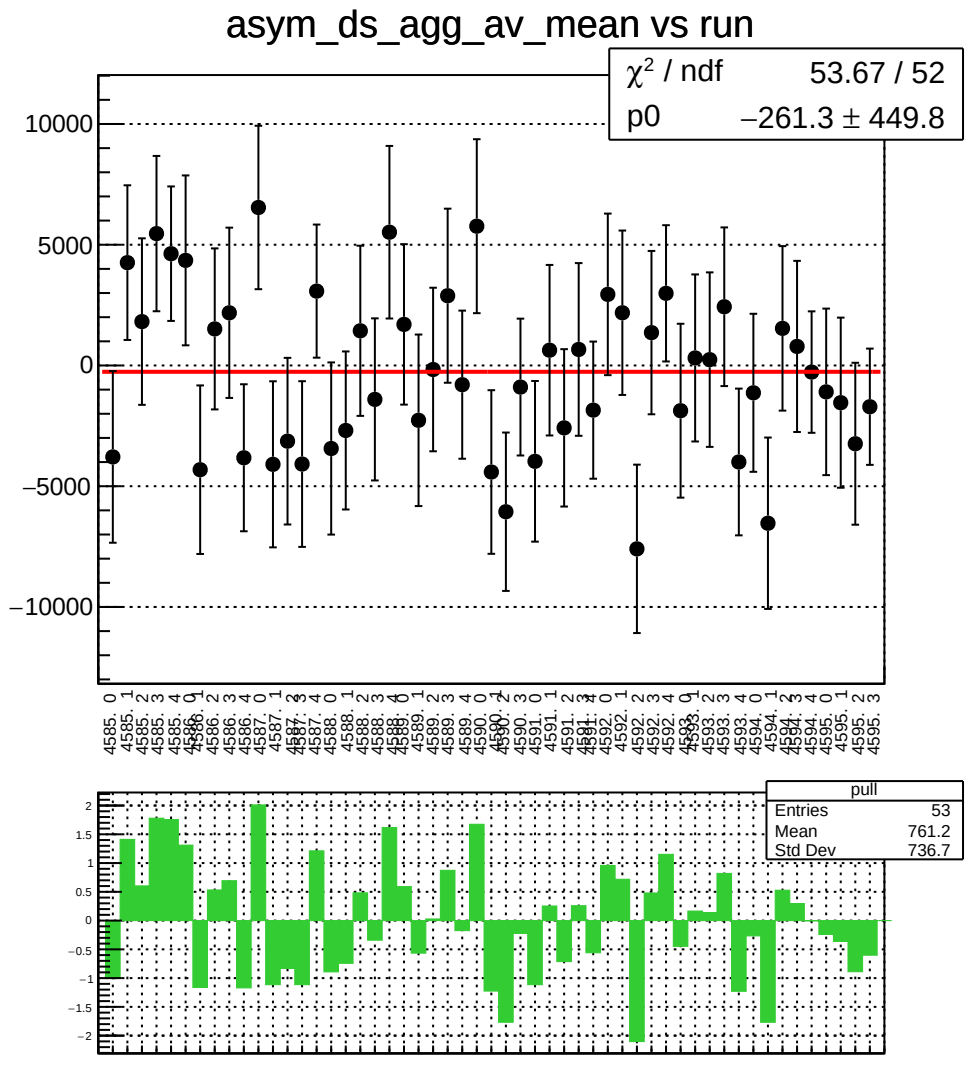

pull1D
Entries 53
Mean −0.004948
Std Dev 0.955
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

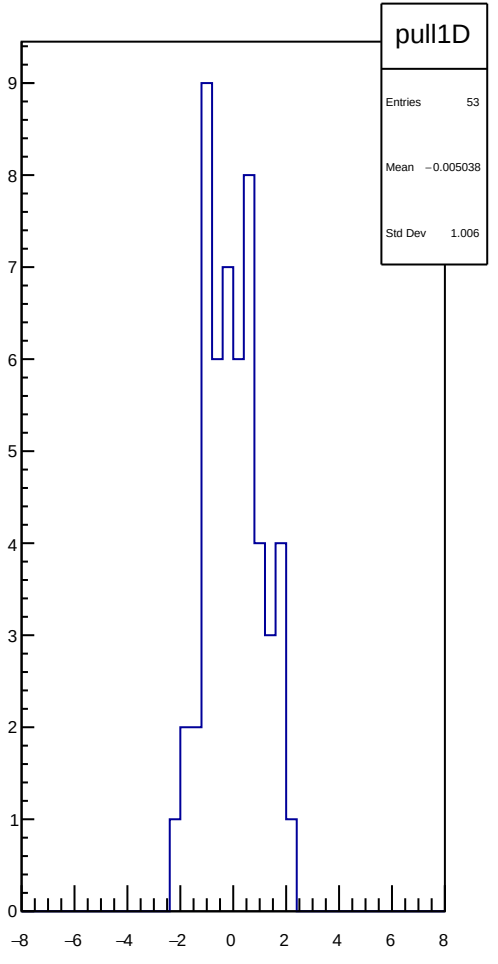

asym_us_agg_avg_rms vs run
χ² / ndf 1065 / 52
p0 295.9 ± 0.2892
315
310
305
300
295
290
285
280
275
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

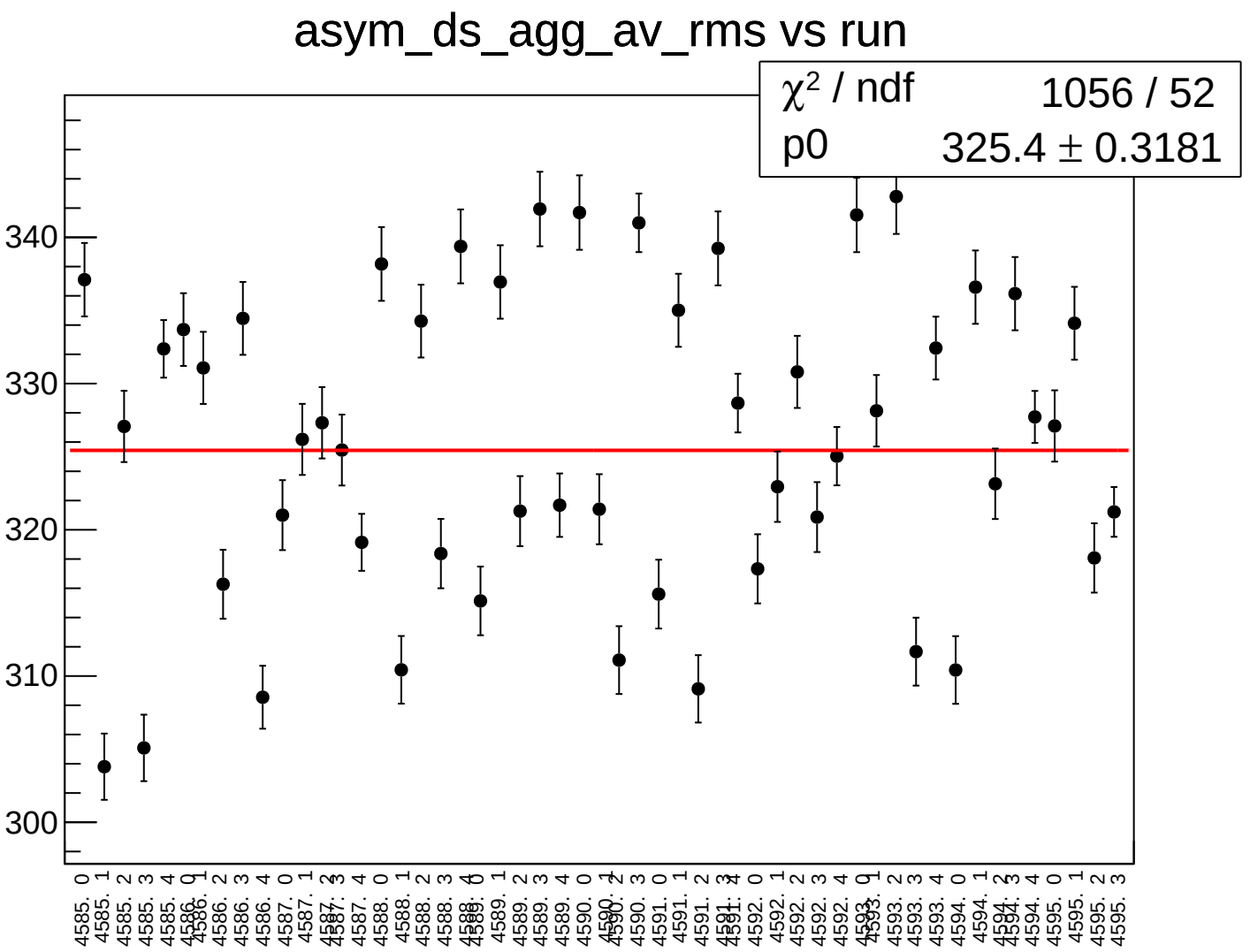

asym_us_agg_dd_mean vs run
χ² / ndf 48.3 / 52
p0 −391.9 ± 586.4
pull
Entries 53
Mean 12.6
Std Dev 83.45

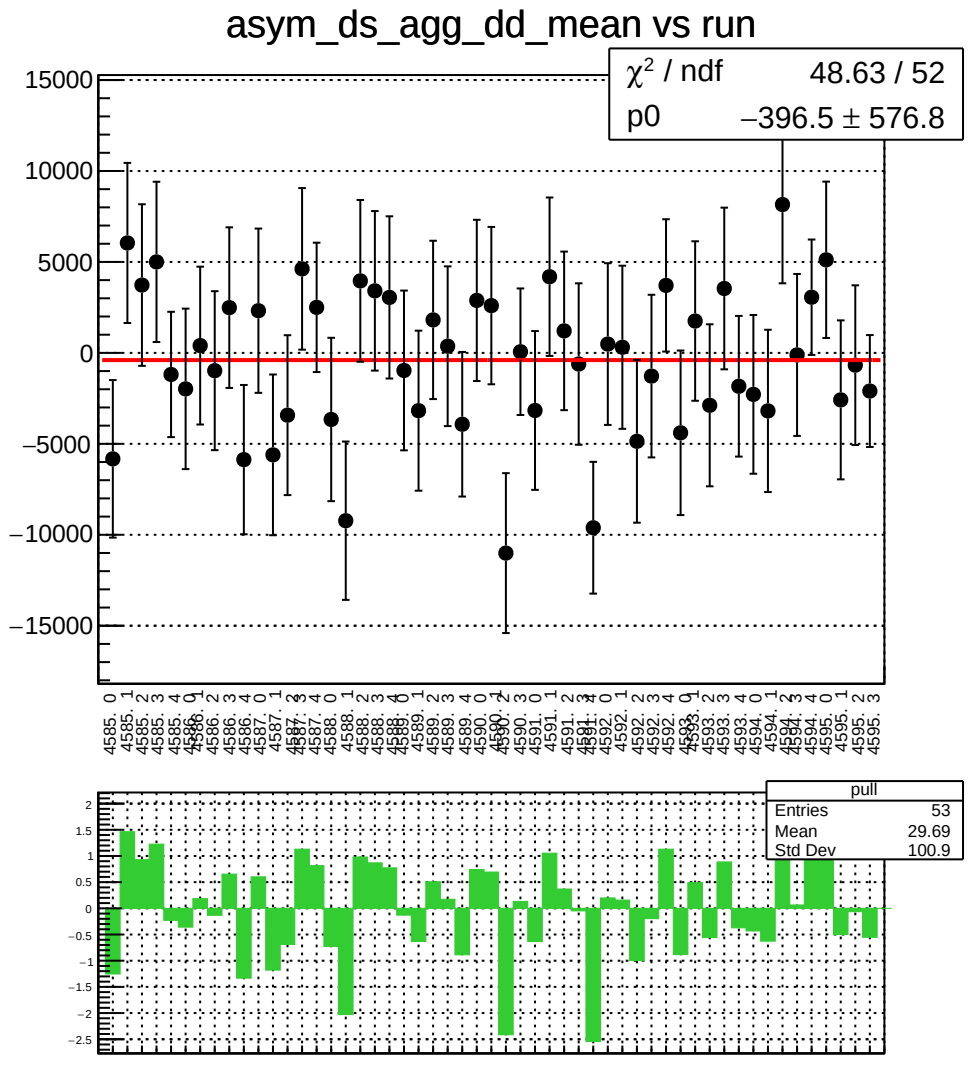

pull1D
Entries 53
Mean 0.003688
Std Dev 0.9546

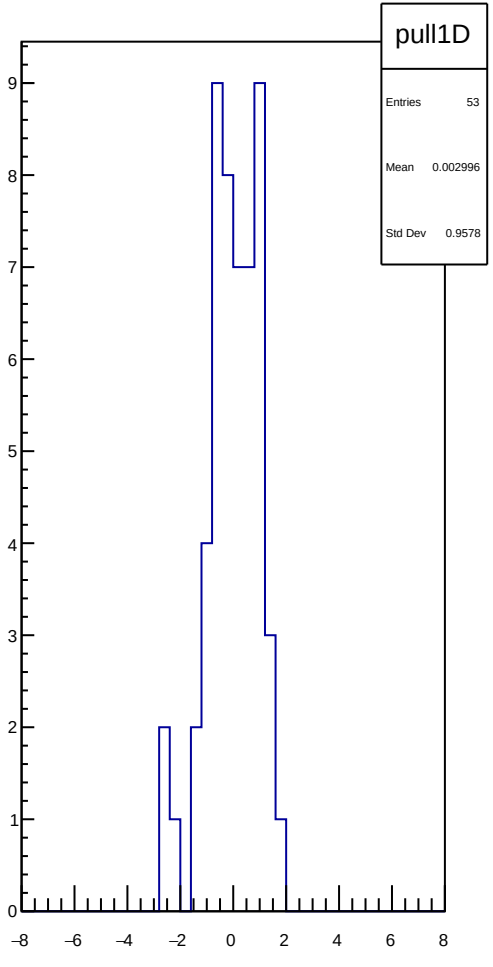

asym_us_agg_dd_rms vs run
χ² / ndf 145 / 52
p0 424.4 ± 0.4147
440
435
430
425
420
415
410
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

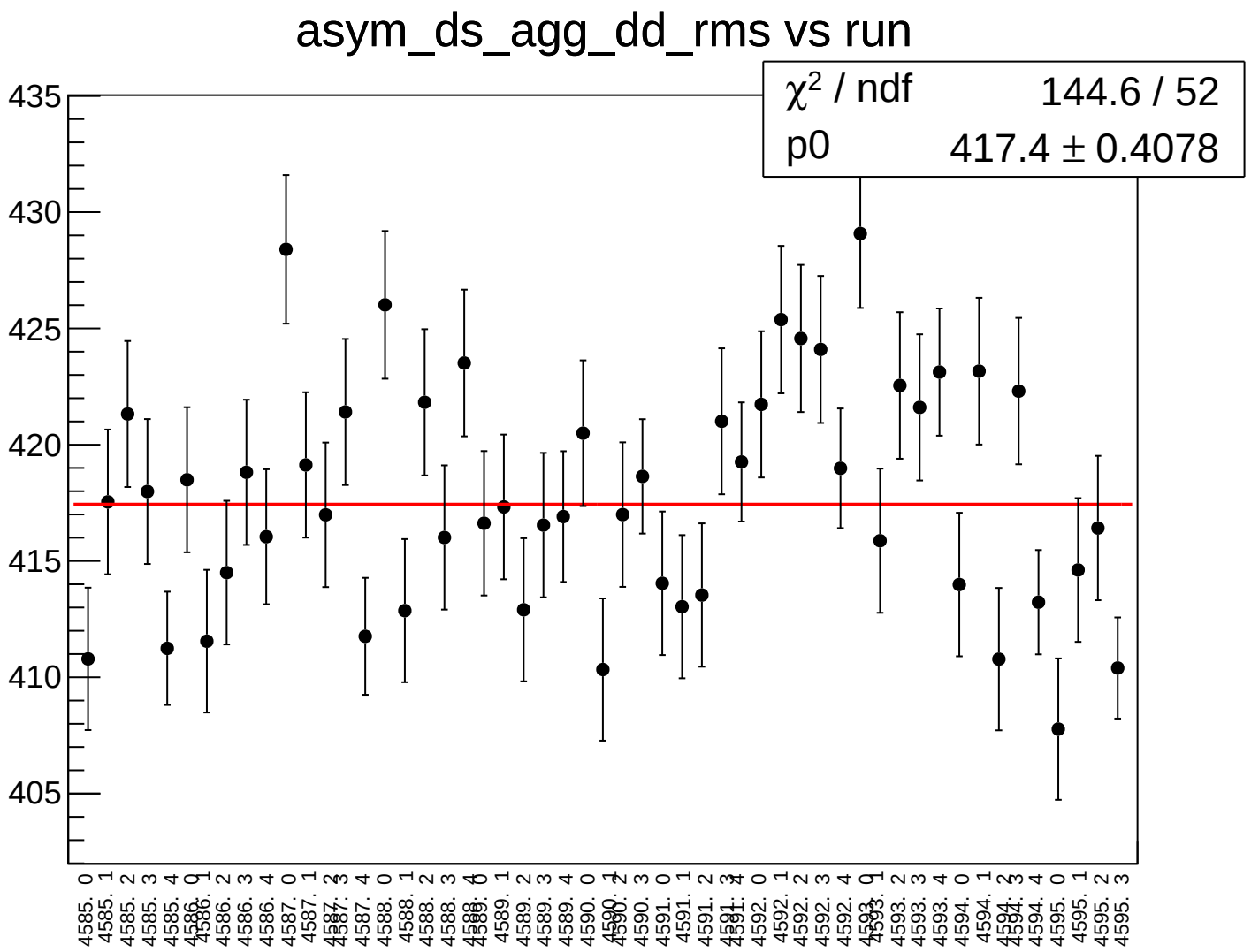

asym_ds_agg_av_mean vs run
χ² / ndf 53.67 / 52
p0 −261.3 ± 449.8
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 761.2
Std Dev 736.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

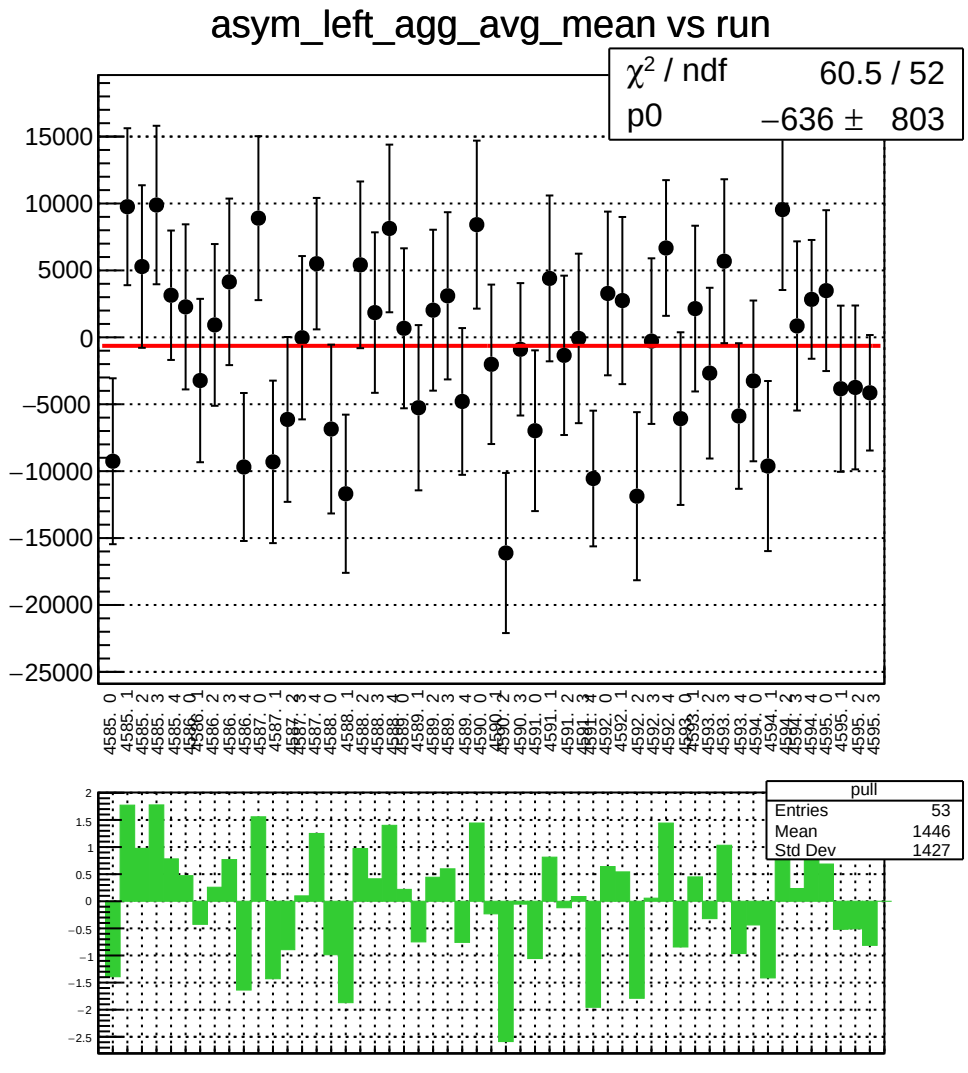

pull1D
Entries 53
Mean −0.005038
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

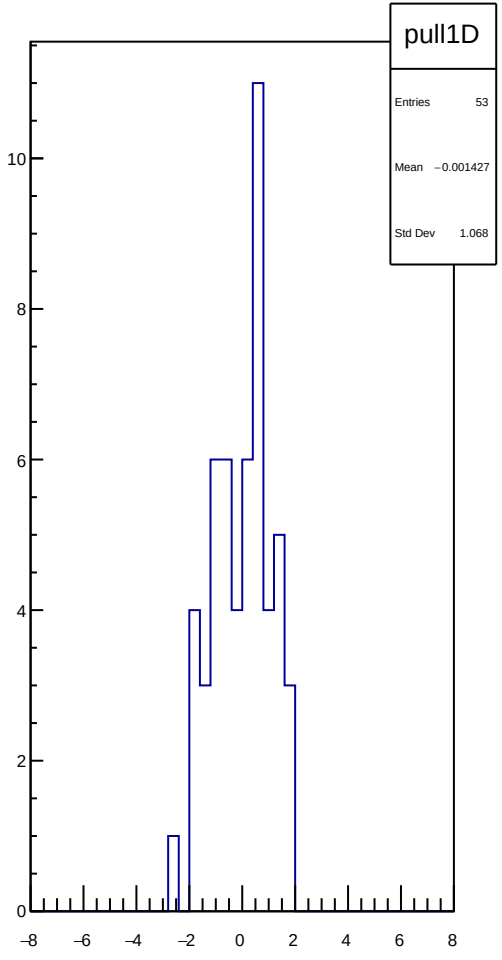

asym_ds_agg_av_rms vs run
χ² / ndf 1056 / 52
p0 325.4 ± 0.3181
340
330
320
310
300
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

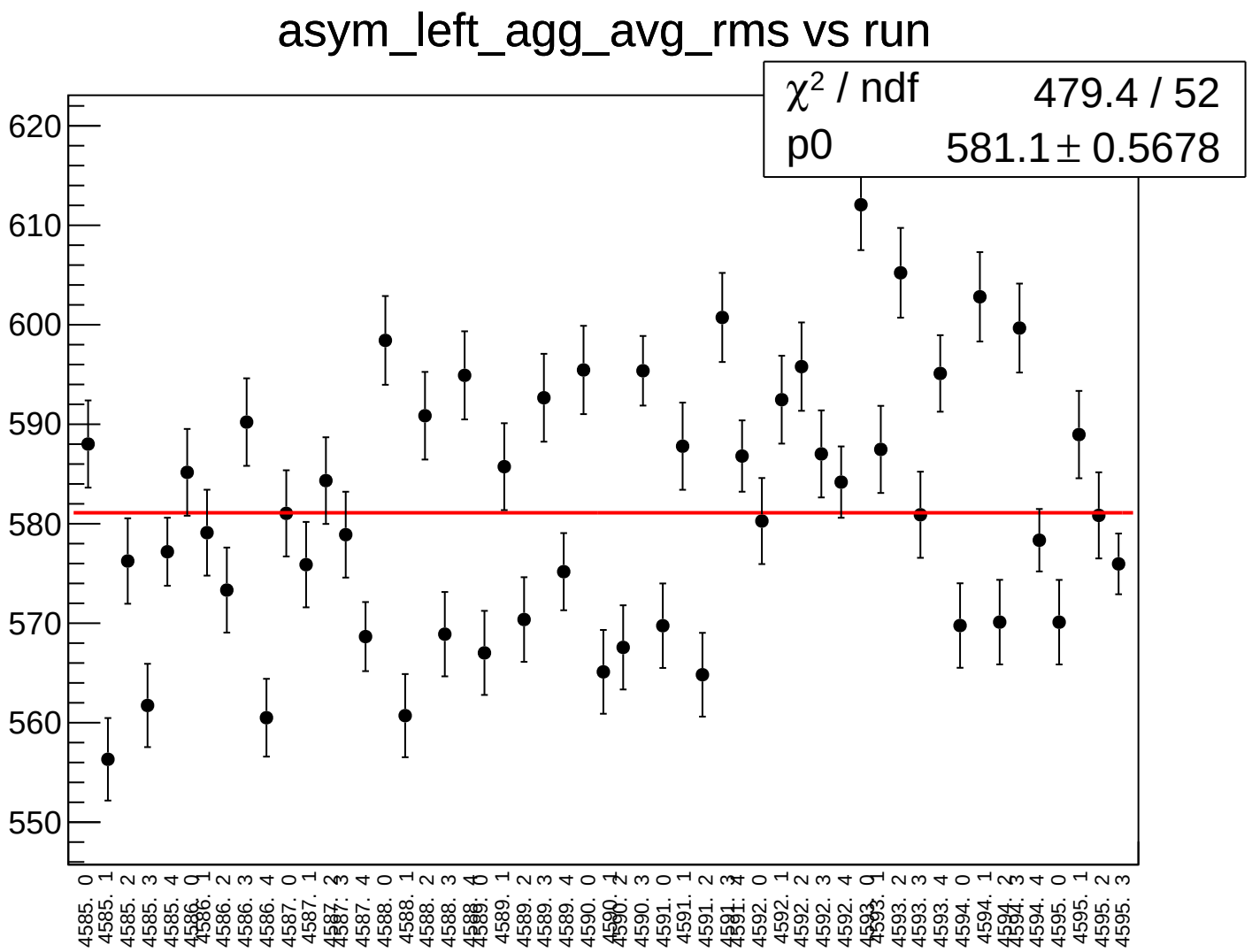

asym_ds_agg_dd_mean vs run
χ² / ndf 48.63 / 52
p0 −396.5 ± 576.8
pull
Entries 53
Mean 29.69
Std Dev 100.9


pull1D
Entries 53
Mean 0.002996
Std Dev 0.9578


asym_ds_agg_dd_rms vs run
χ² / ndf 144.6 / 52
p0 417.4 ± 0.4078
435
430
425
420
415
410
405
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_left_agg_avg_mean vs run
χ² / ndf 60.5 / 52
p0 −636 ± 803
pull
Entries 53
Mean 1446
Std Dev 1427


pull1D
Entries 53
Mean −0.001427
Std Dev 1.068


asym_left_agg_avg_rms vs run
χ² / ndf 479.4 / 52
p0 581.1 ± 0.5678
620
610
600
590
580
570
560
550
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
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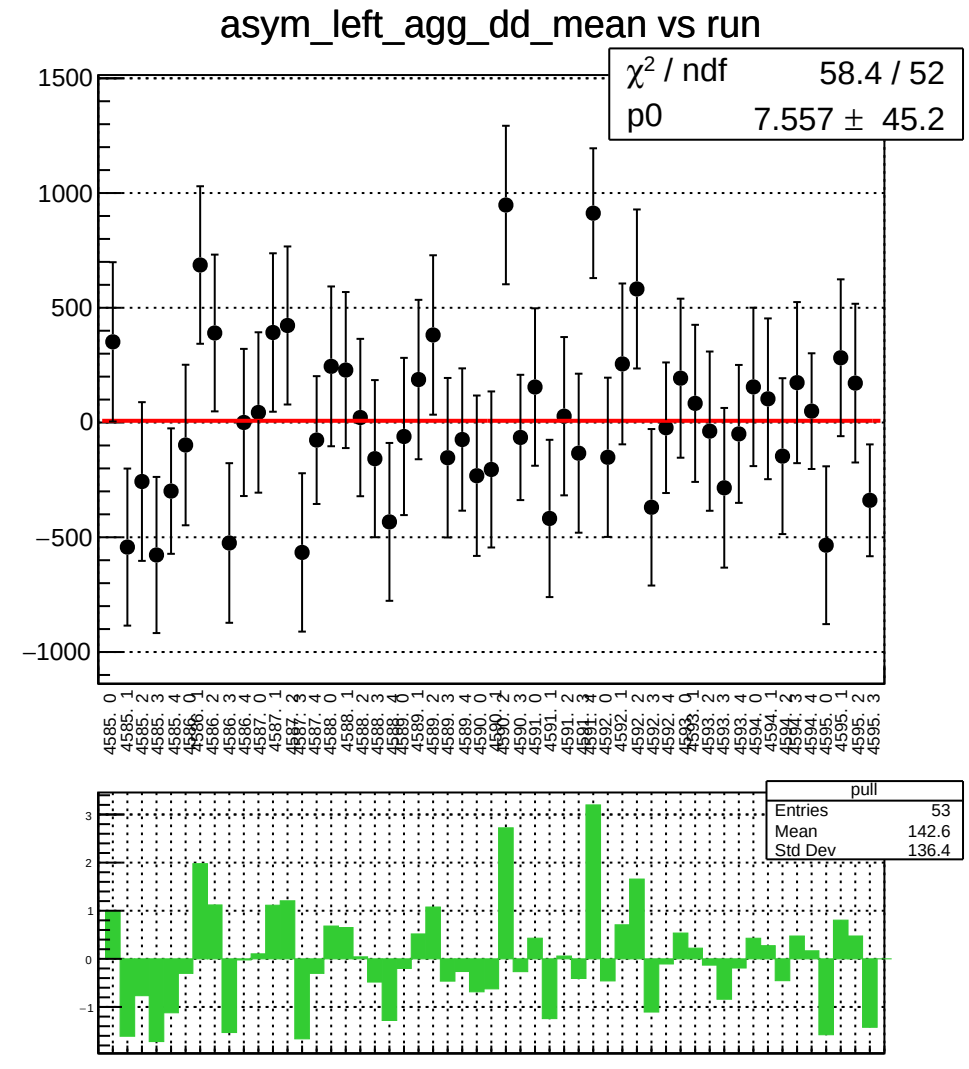
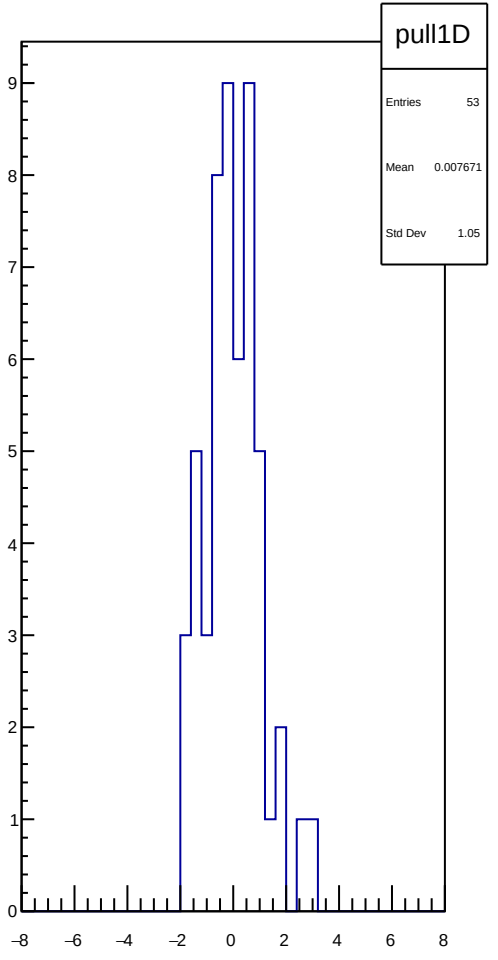
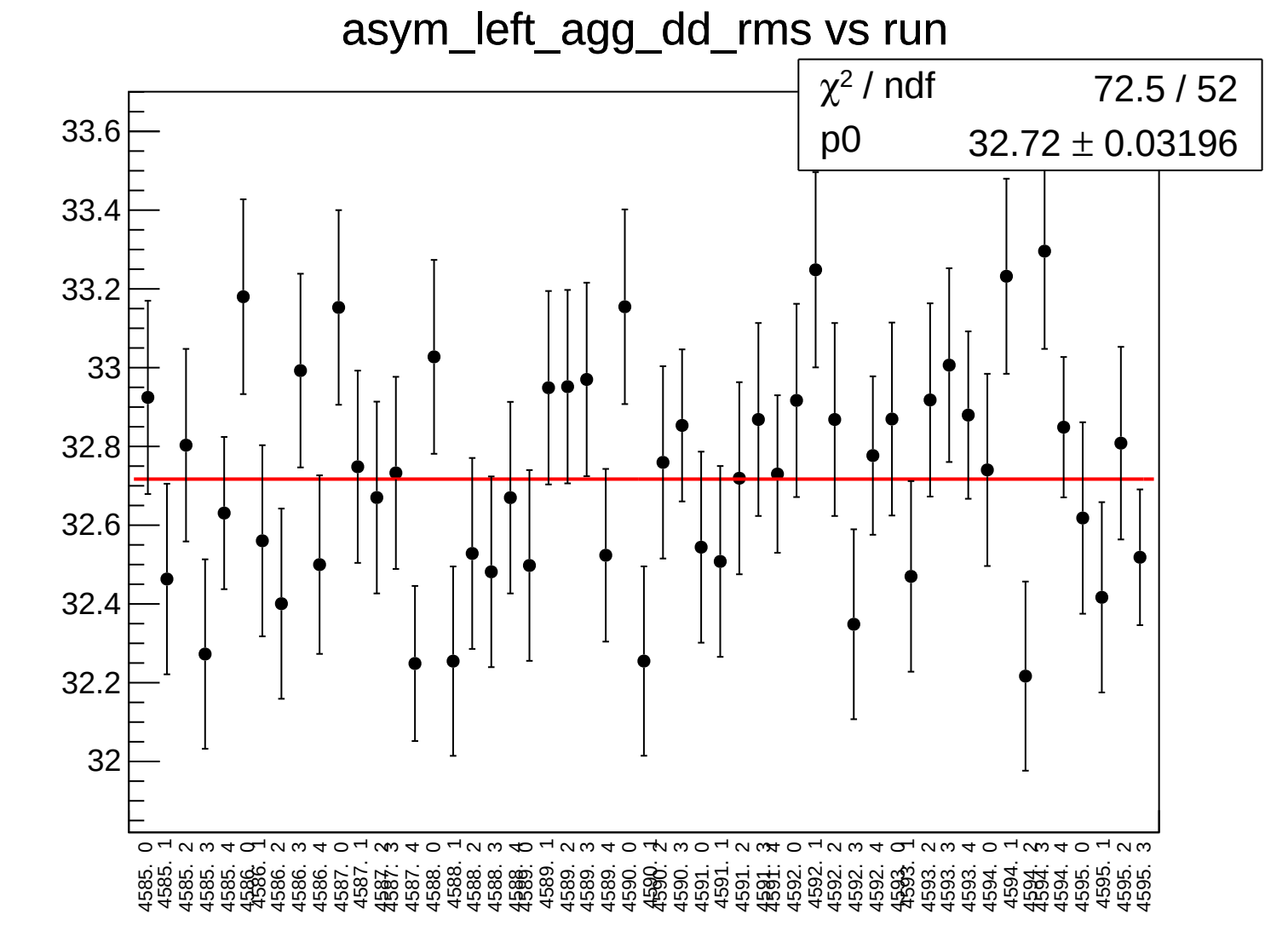
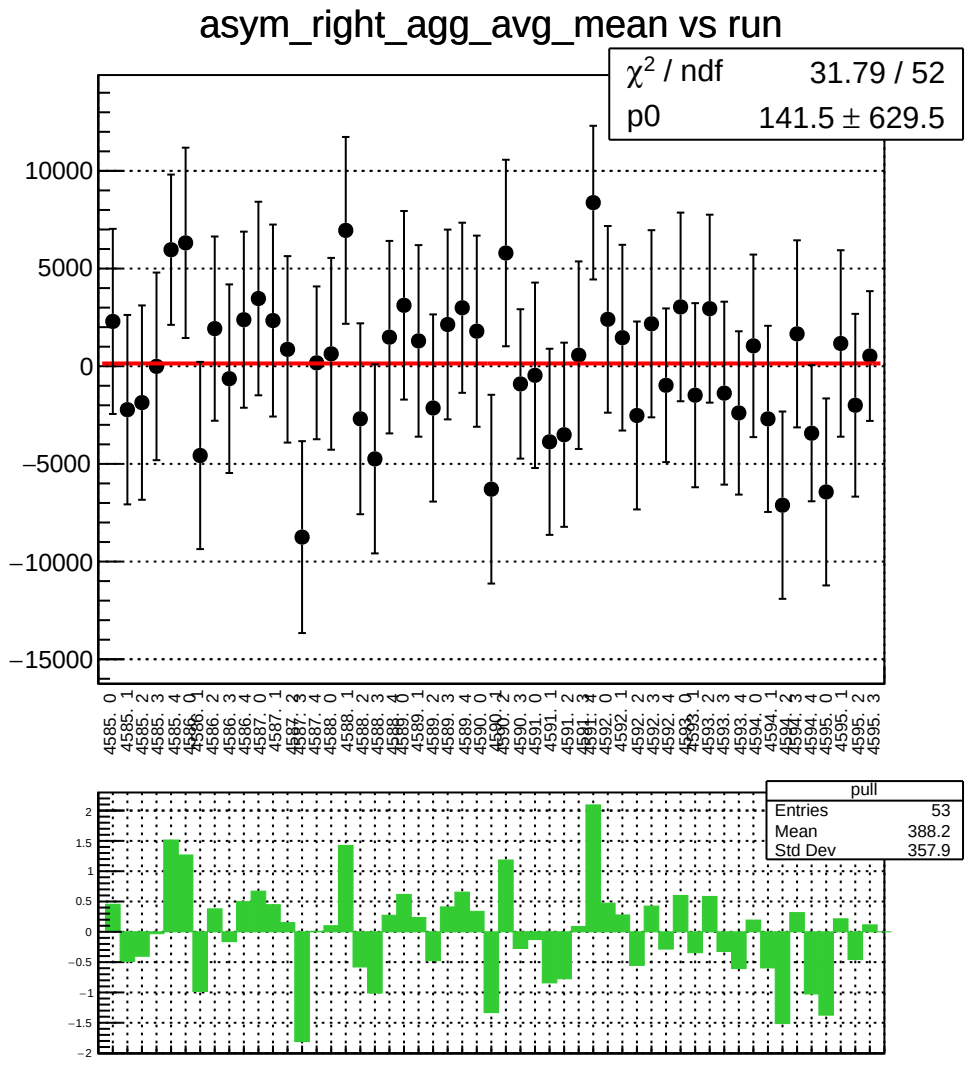
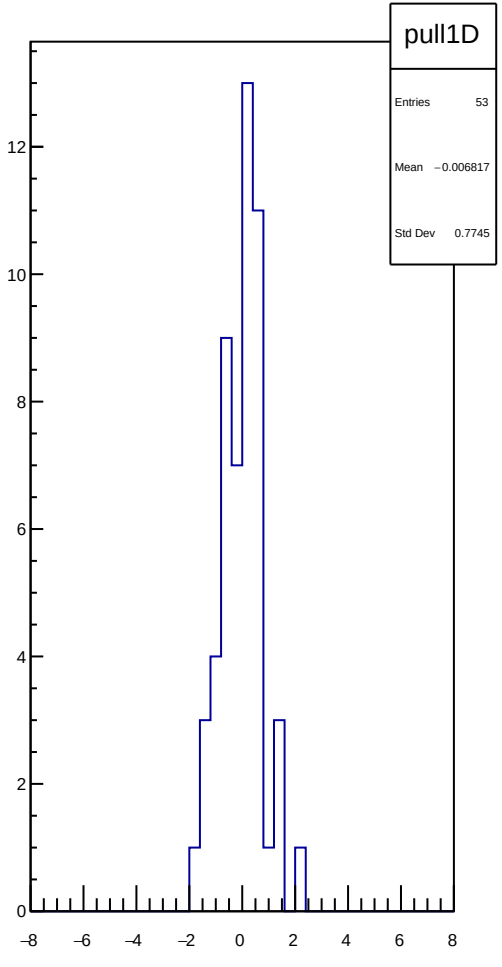
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

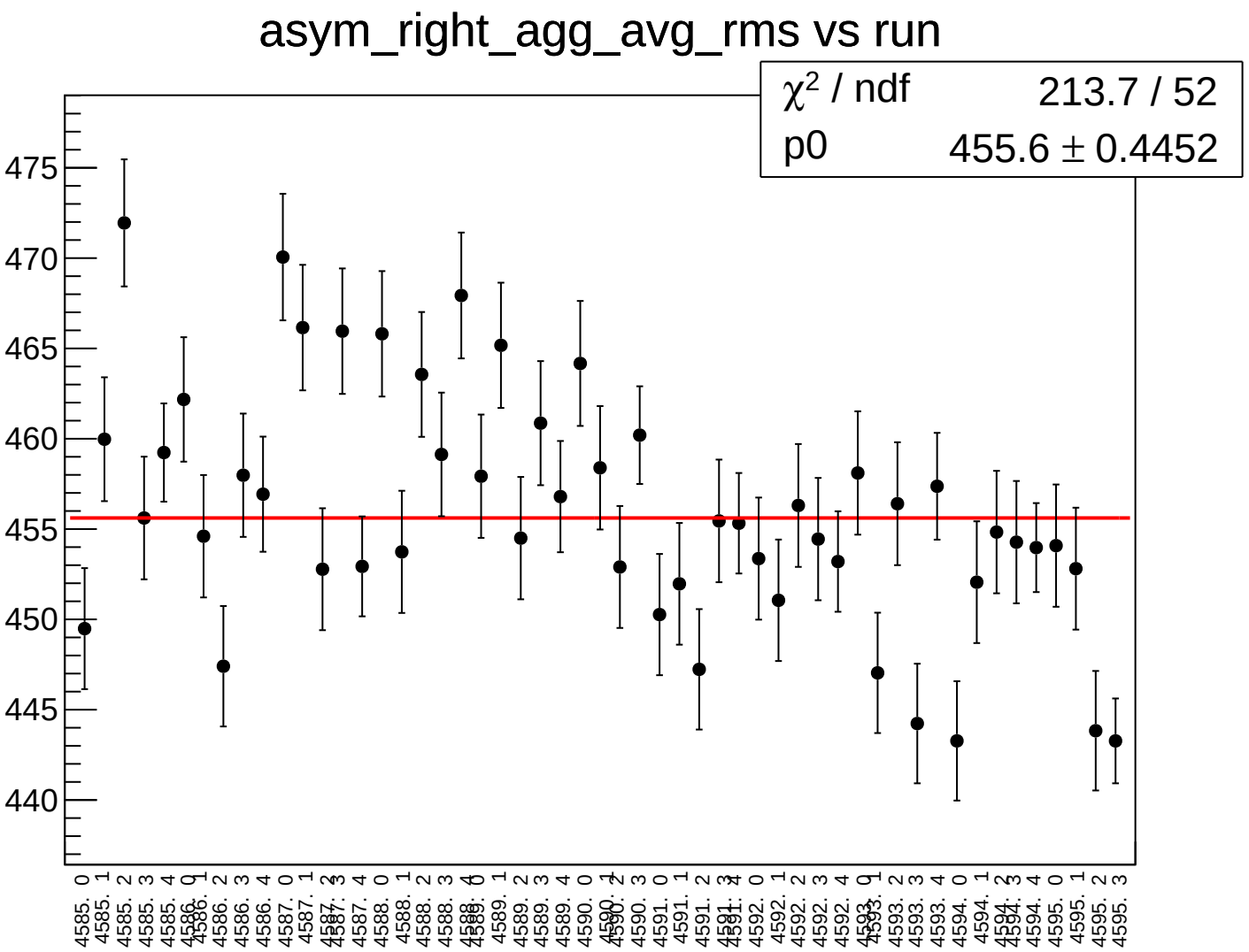

asym_left_agg_dd_mean vs run
χ^2 / ndf 58.4 / 52
p0 7.557 ± 45.2
1500
1000
500
0
−500
−1000
pull
Entries 53
Mean 142.6
Std Dev 136.4
3
2
1
0
−1

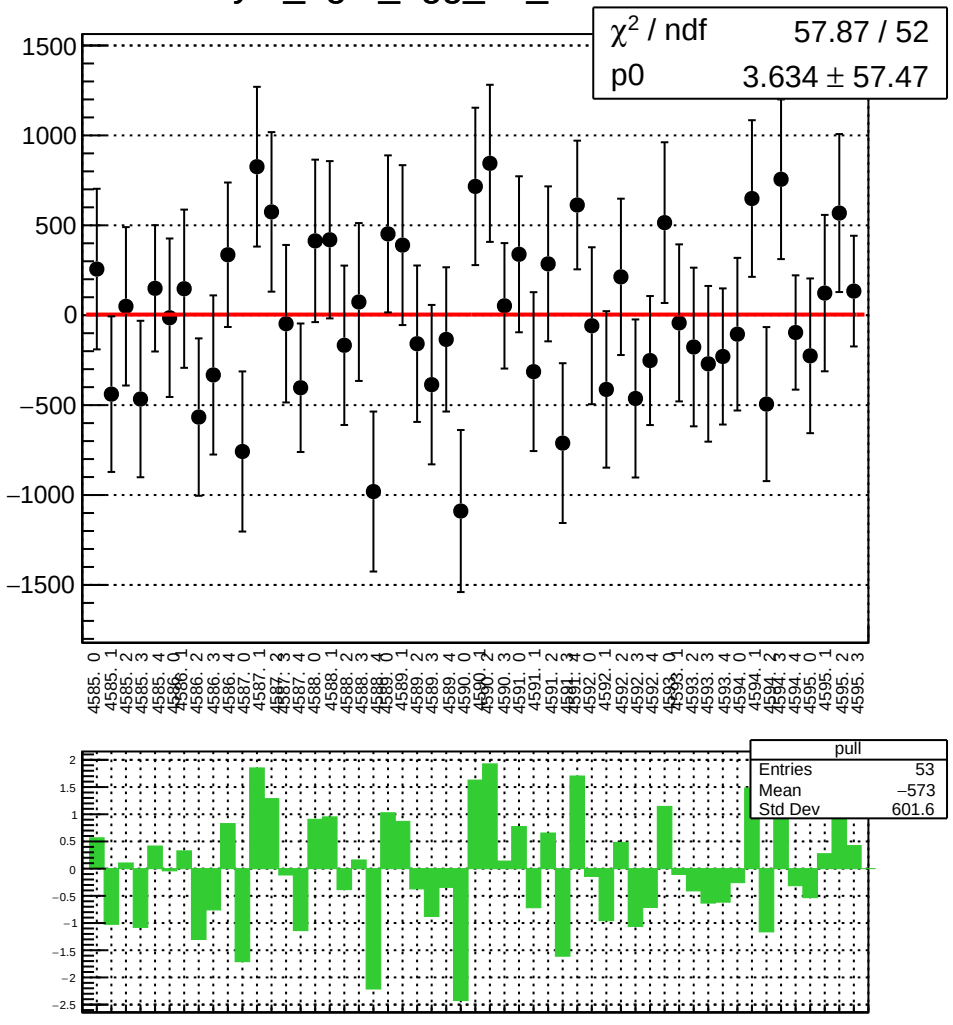

pull1D
Entries 53
Mean 0.007671
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

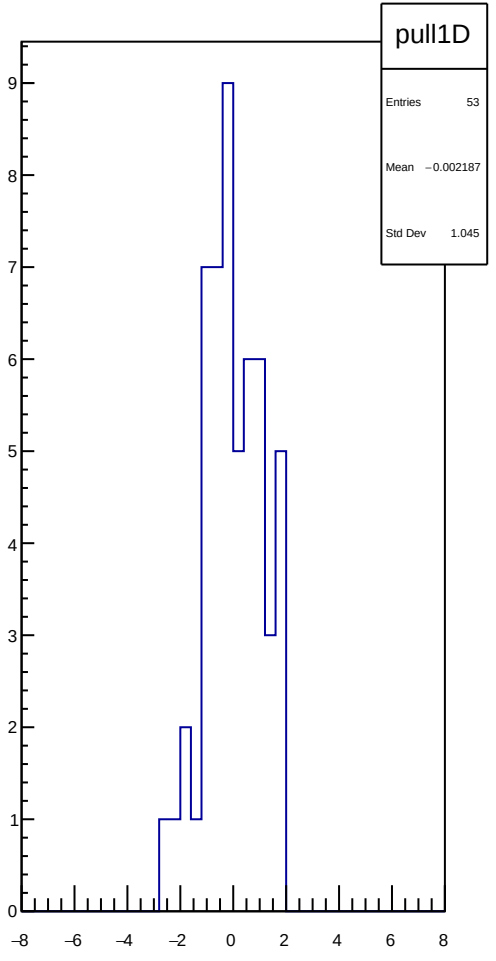

asym_left_agg_dd_rms vs run
χ² / ndf 72.5 / 52
p0 32.72 ± 0.03196
33.6
33.4
33.2
33
32.8
32.6
32.4
32.2
32

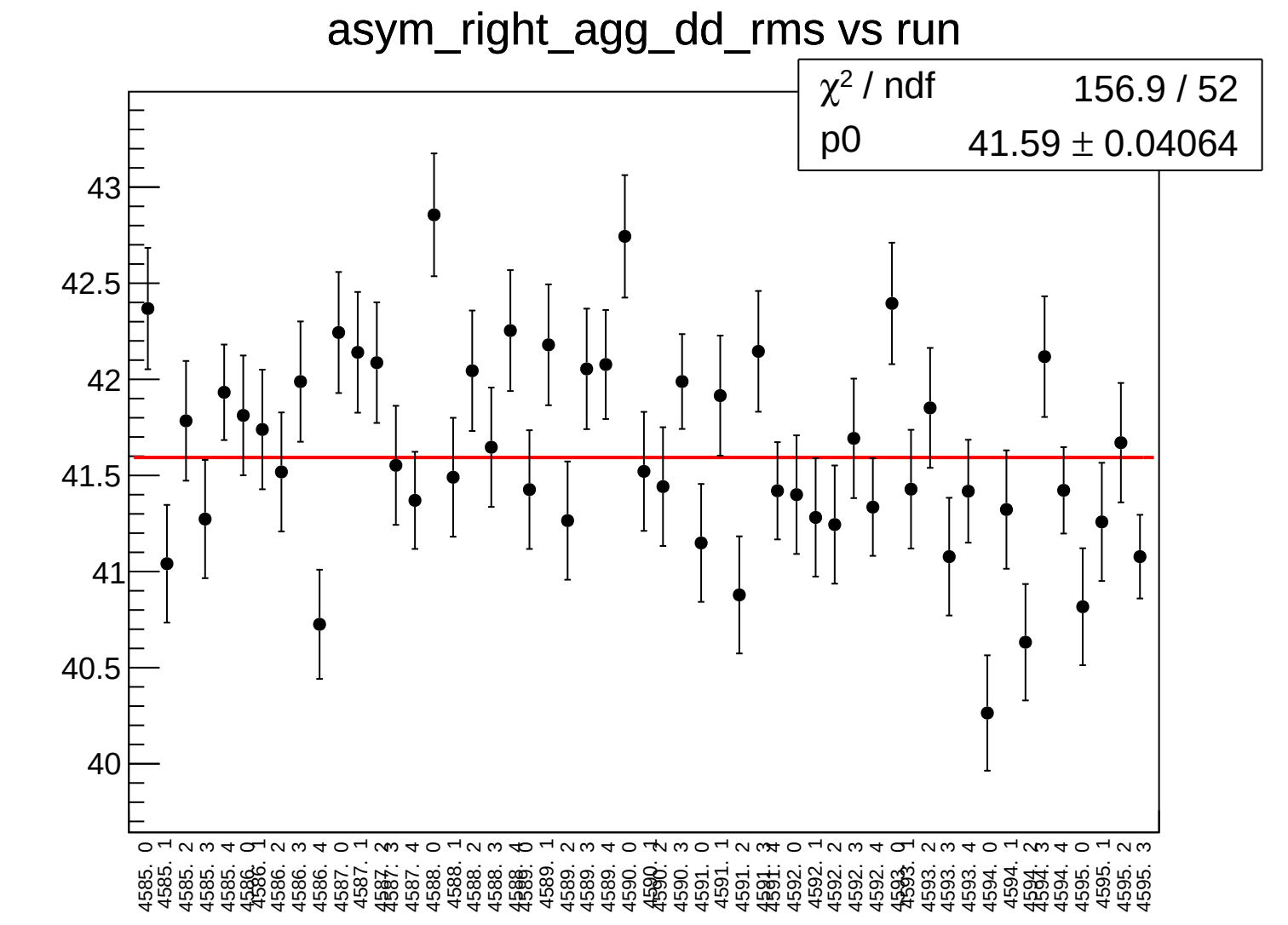

asym_right_agg_avg_mean vs run
χ² / ndf 31.79 / 52
p0 141.5 ± 629.5
pull
Entries 53
Mean 388.2
Std Dev 357.9

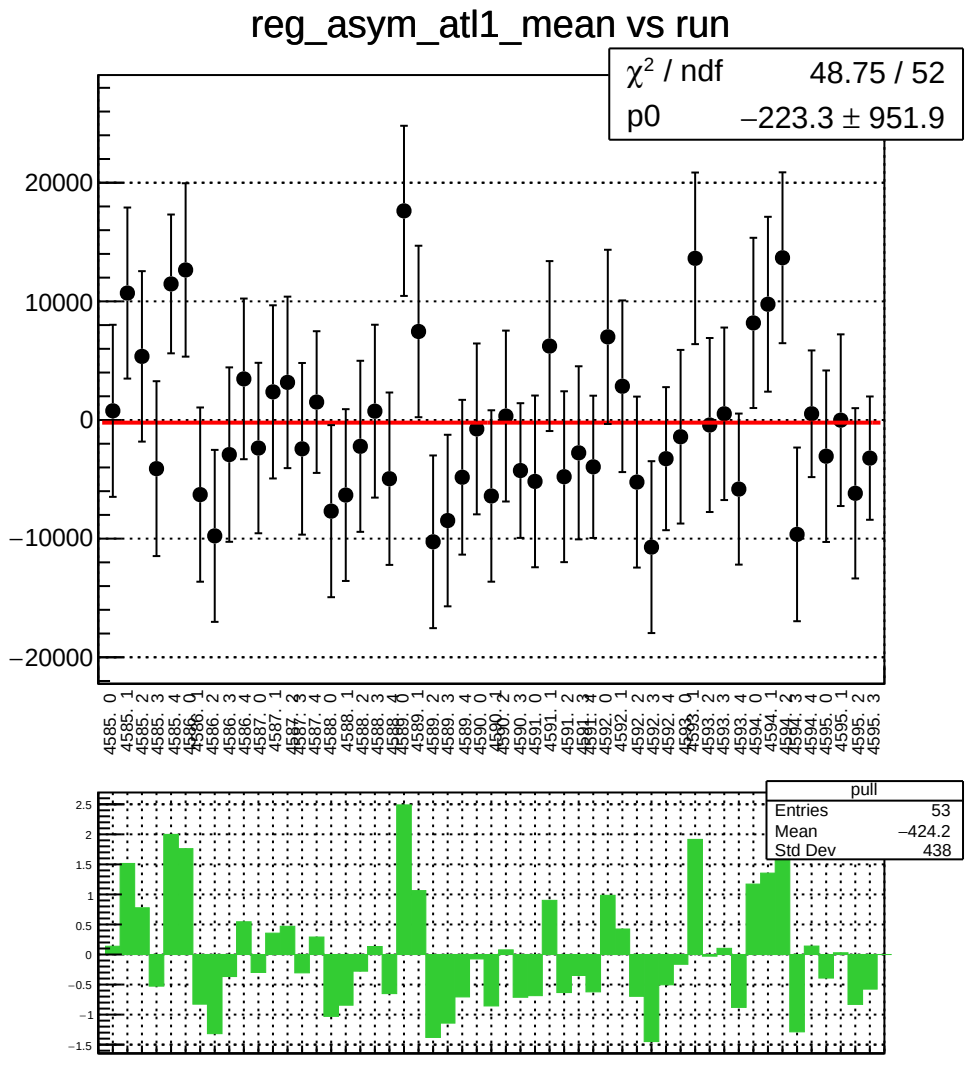

pull1D
Entries 53
Mean −0.006817
Std Dev 0.7745

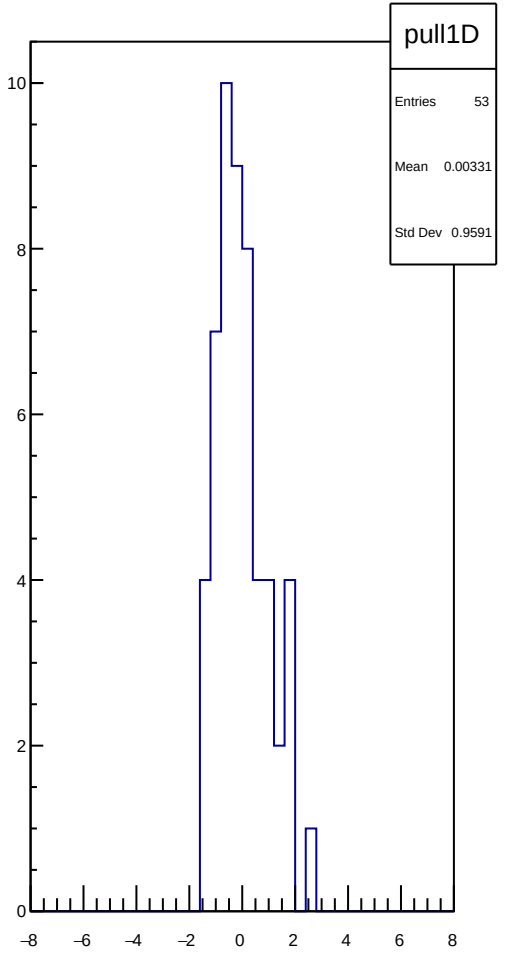

asym_right_agg_avg_rms vs run
χ² / ndf 213.7 / 52
p0 455.6 ± 0.4452
475
470
465
460
455
450
445
440
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

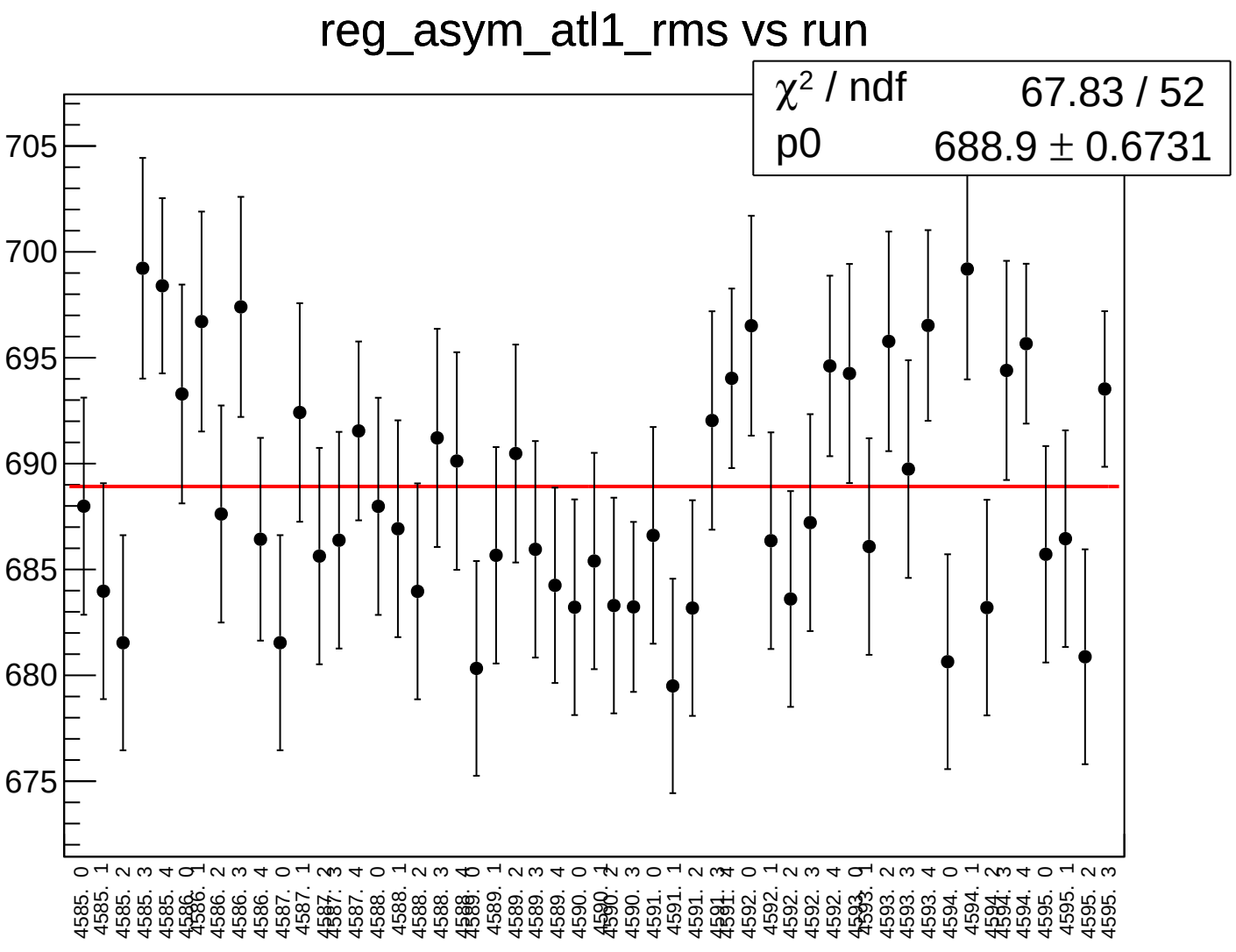

asym_right_agg_dd_mean vs run
χ² / ndf 57.87 / 52
p0 3.634 ± 57.47
pull
Entries 53
Mean −573
Std Dev 601.6

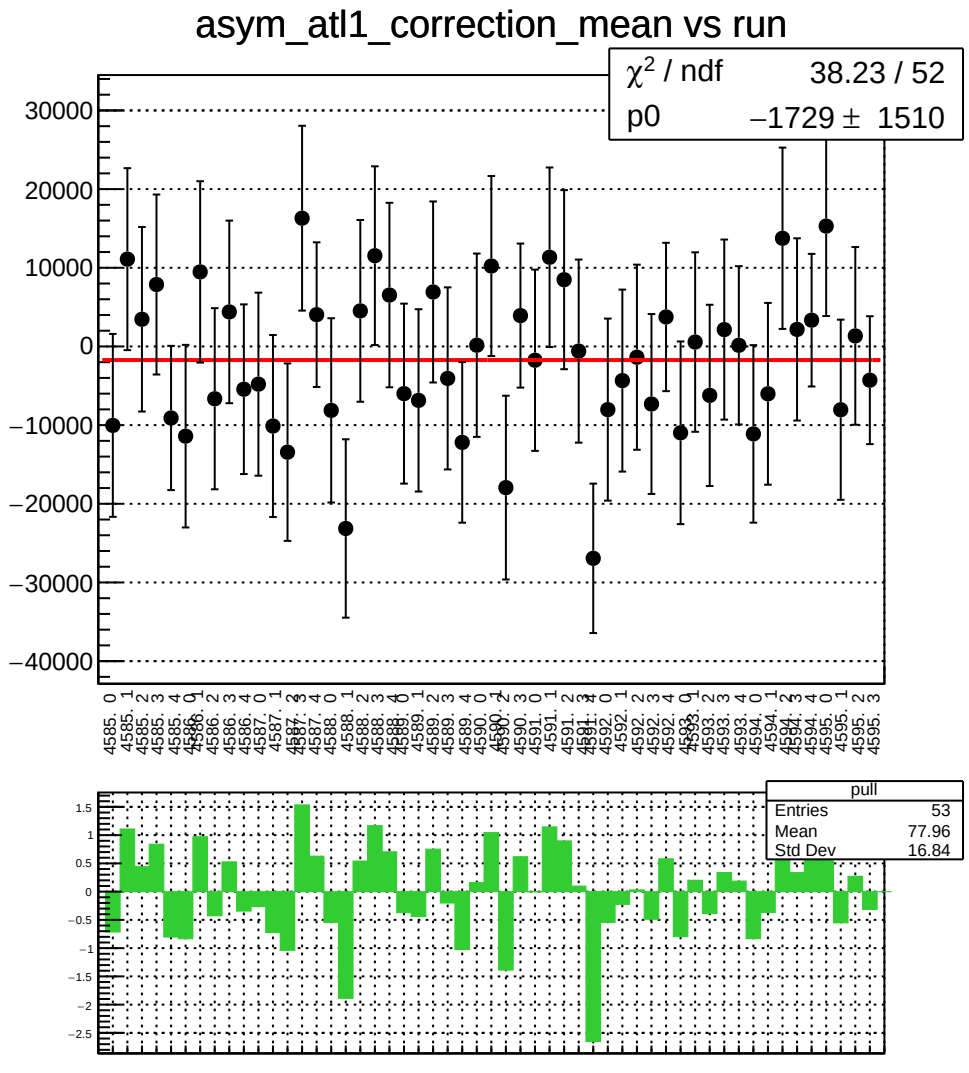

pull1D
Entries 53
Mean −0.002187
Std Dev 1.045

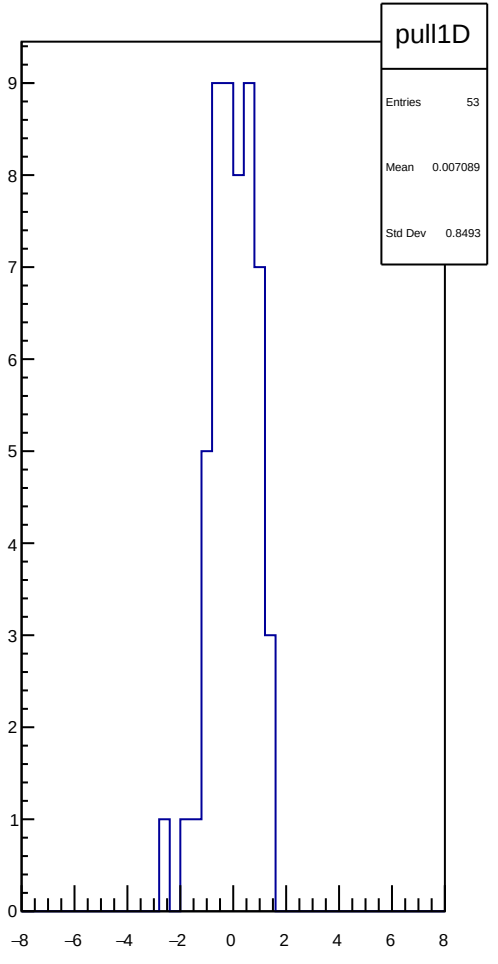

asym_right_agg_dd_rms vs run
χ² / ndf 156.9 / 52
p0 41.59 ± 0.04064
43
42.5
42
41.5
41
40.5
40

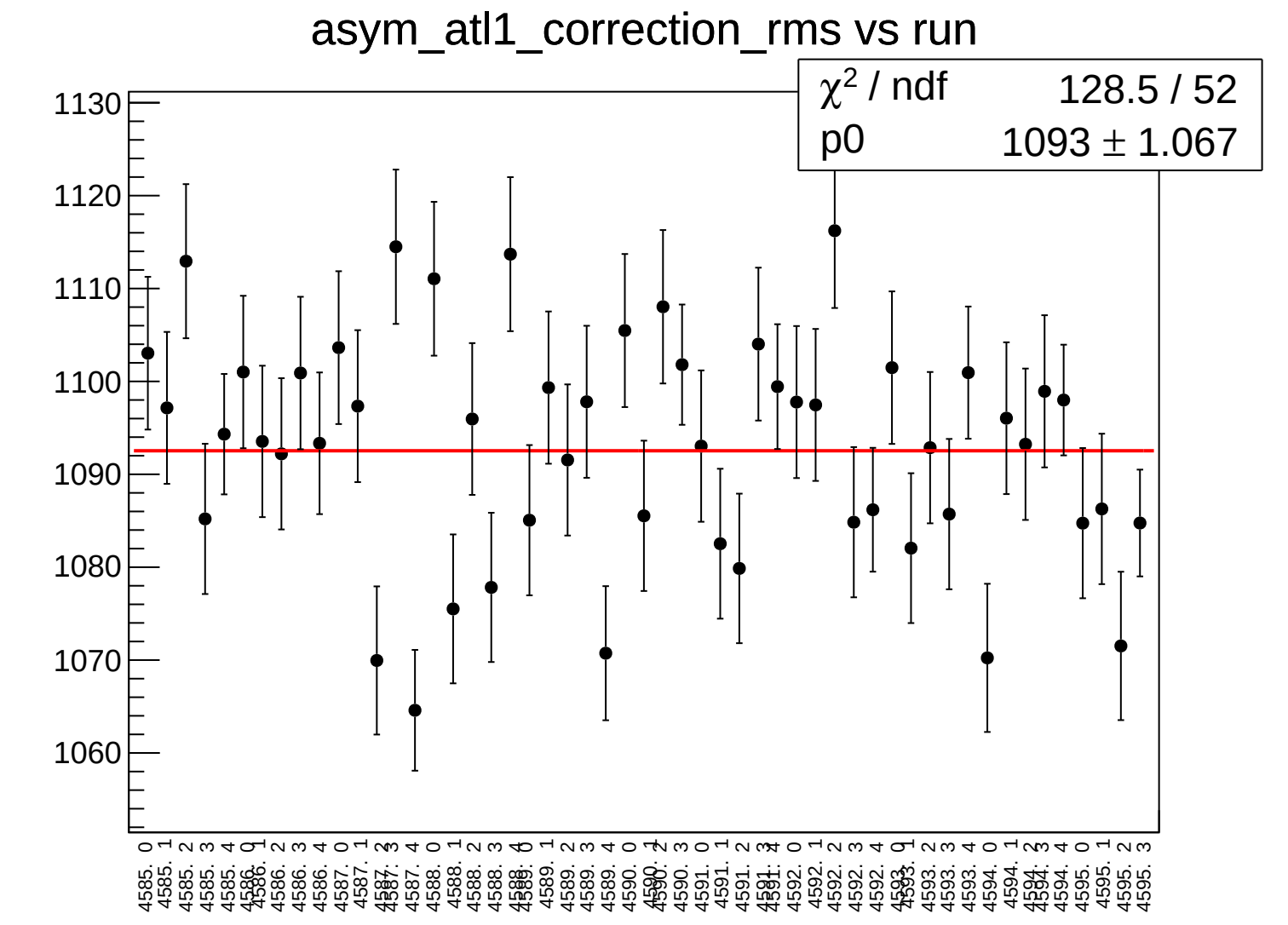

reg_asym_atl1_mean vs run
χ² / ndf 48.75 / 52
p0 −223.3 ± 951.9
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −424.2
Std Dev 438
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

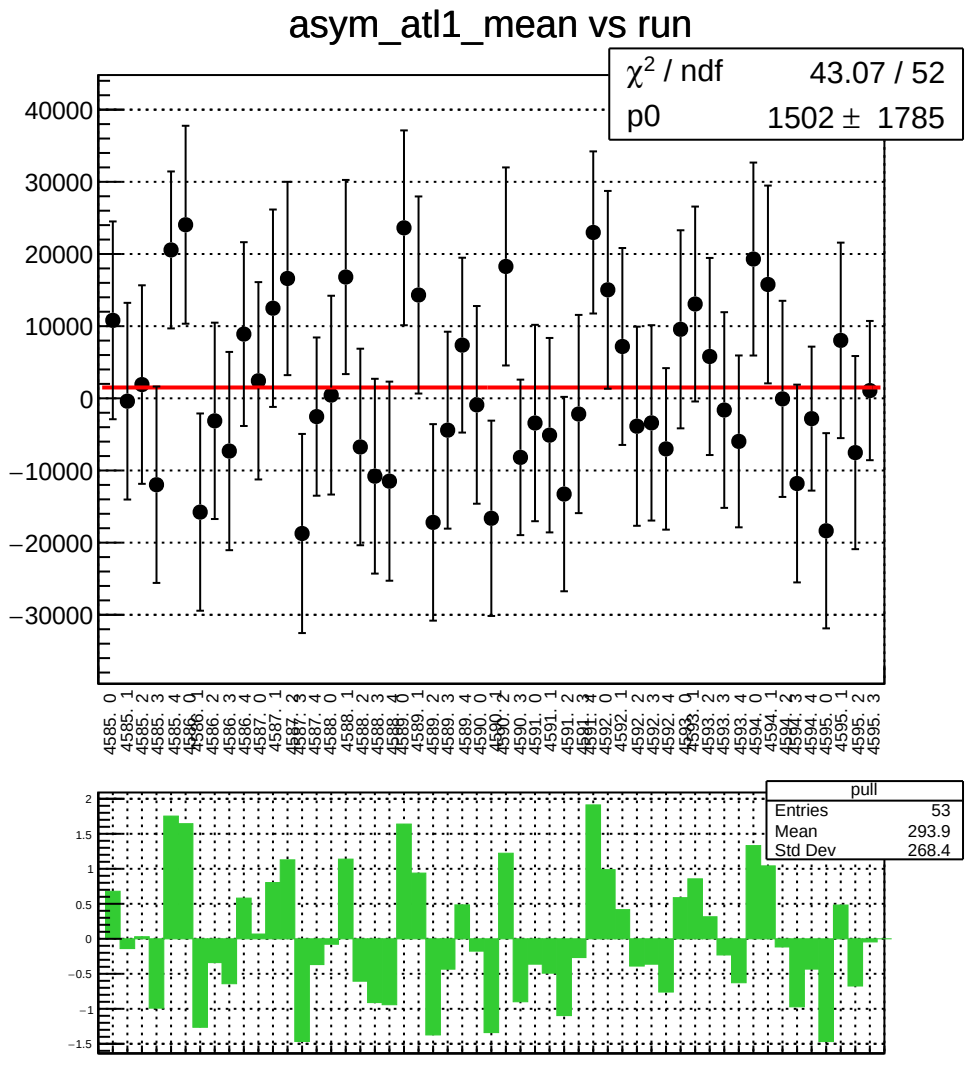

pull1D
Entries 53
Mean 0.00331
Std Dev 0.9591
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

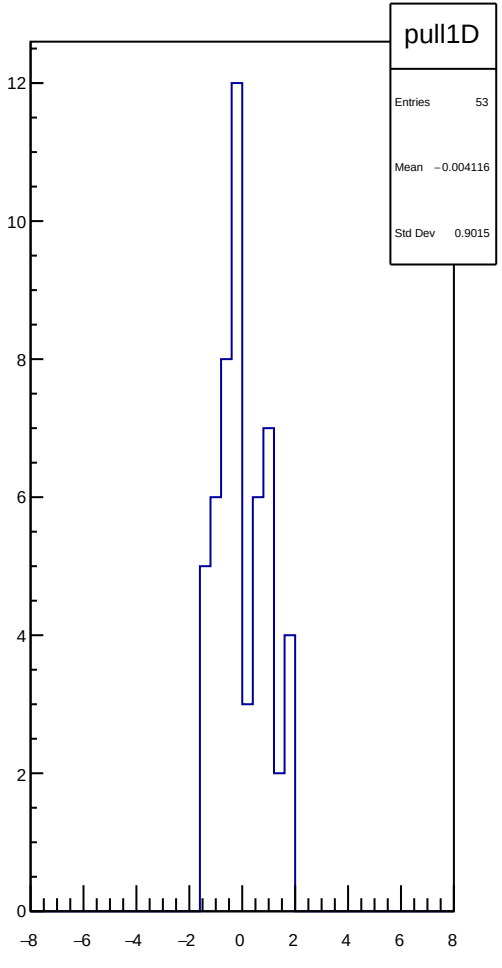

reg_asym_atl1_rms vs run
χ² / ndf 67.83 / 52
p0 688.9 ± 0.6731
705
700
695
690
685
680
675
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

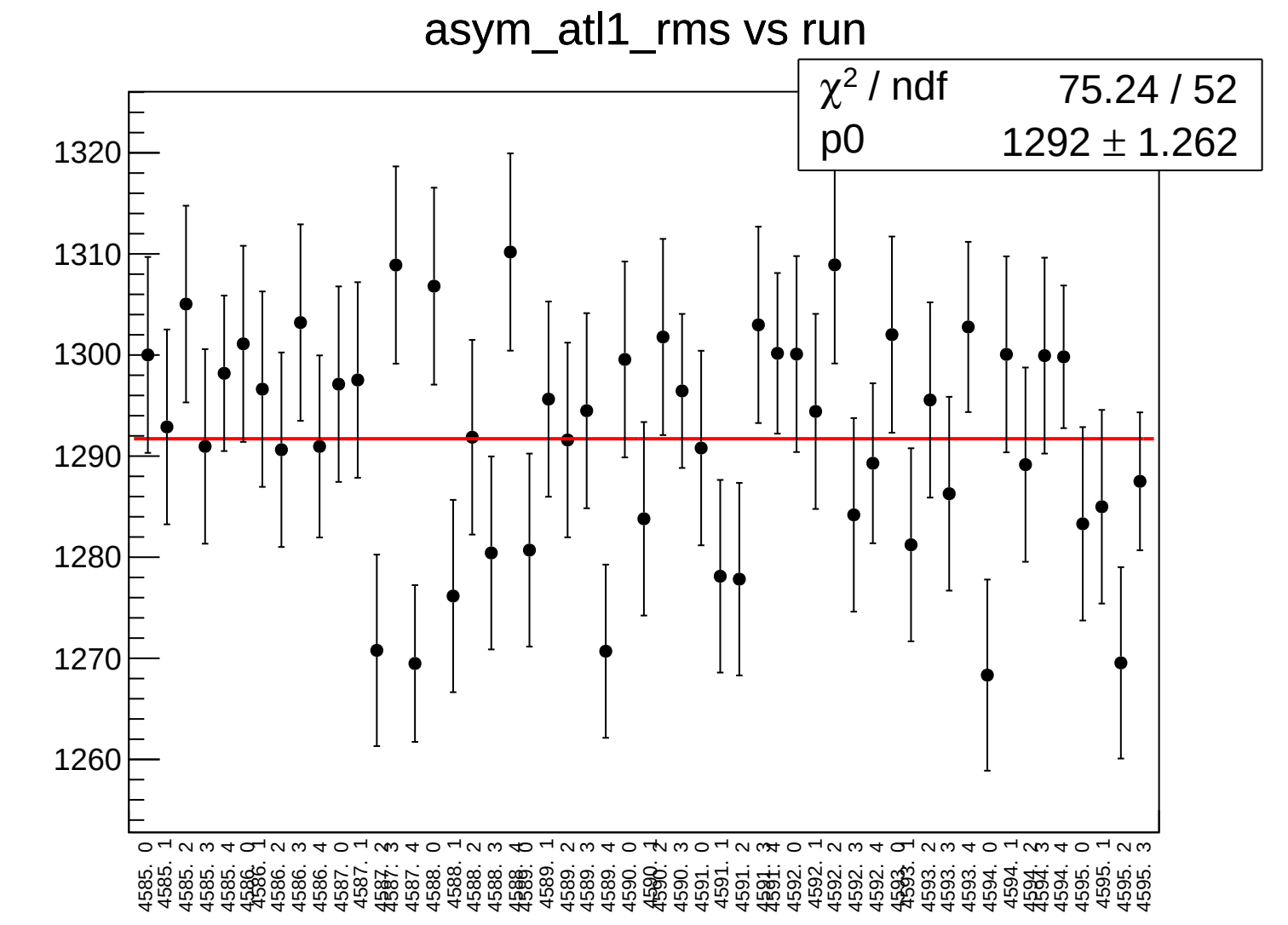

asym_atl1_correction_mean vs run
χ² / ndf 38.23 / 52
p0 −1729 ± 1510
pull
Entries 53
Mean 77.96
Std Dev 16.84

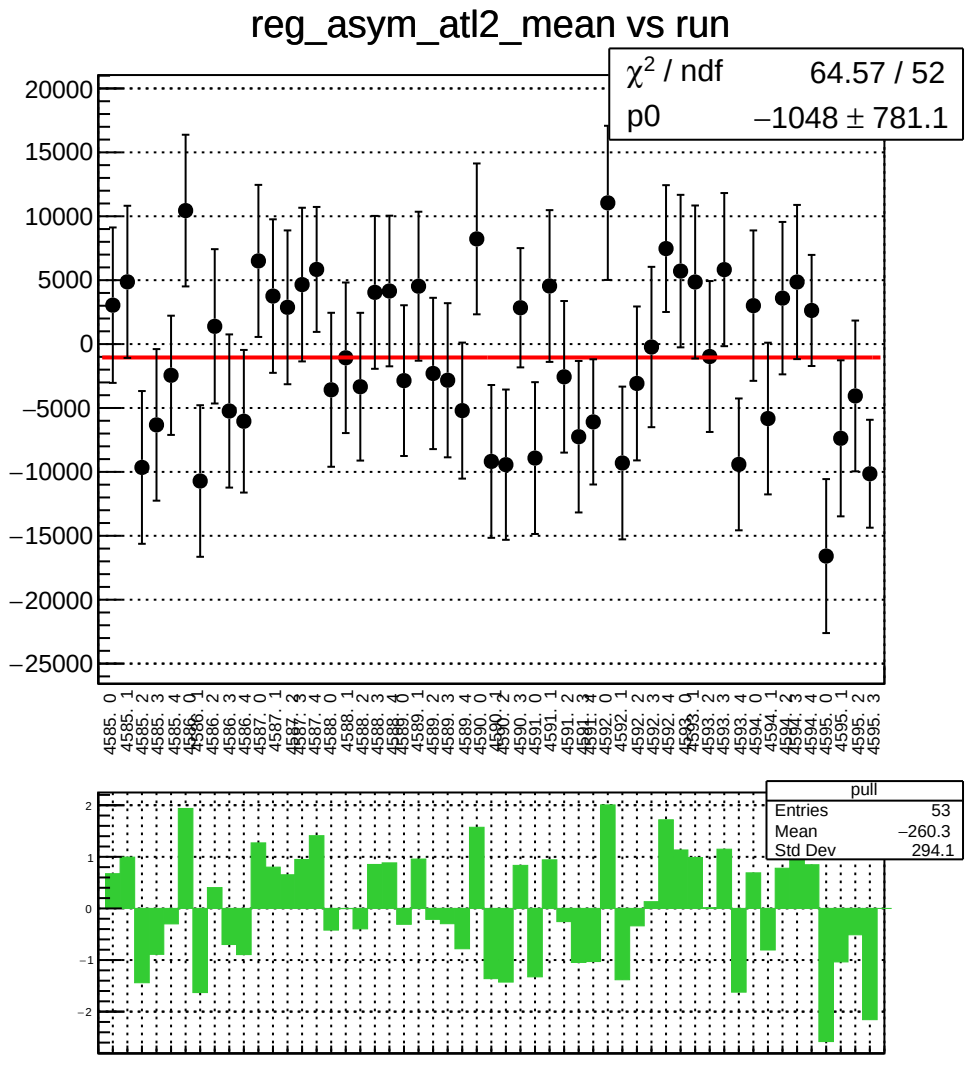

pull1D
Entries 53
Mean 0.007089
Std Dev 0.8493

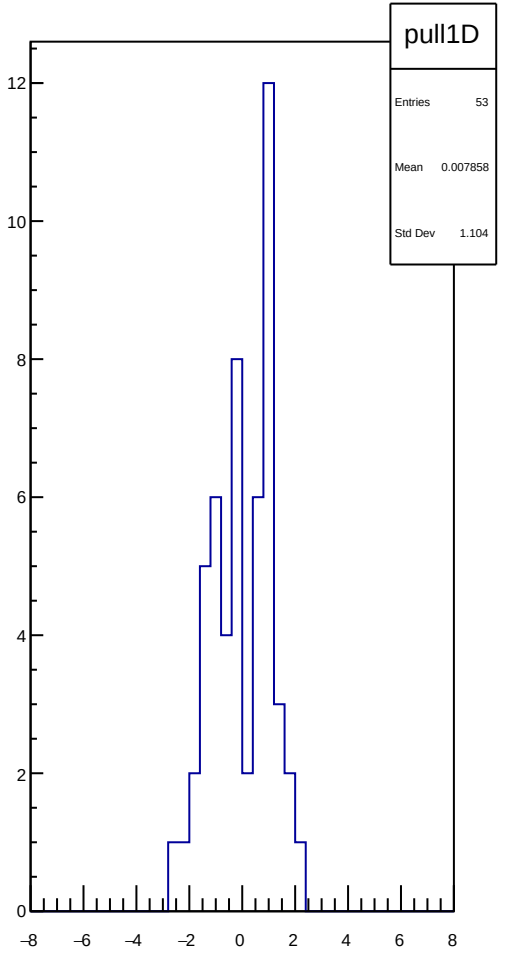

asym_atl1_correction_rms vs run
χ² / ndf 128.5 / 52
p0 1093 ± 1.067
1130
1120
1110
1100
1090
1080
1070
1060
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

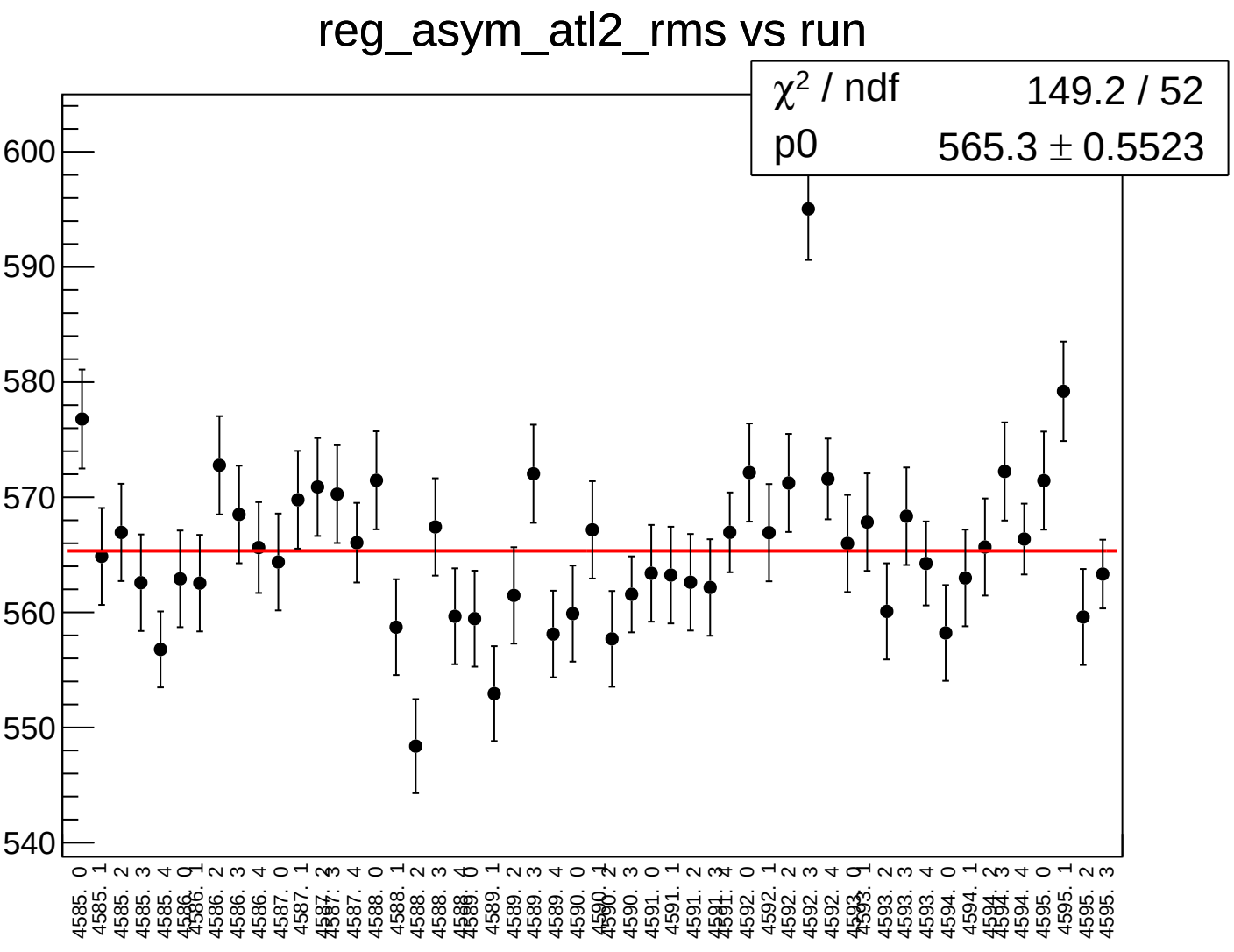

asym_atl1_mean vs run
χ^2 / ndf 43.07 / 52
p0 1502 ± 1785
pull
Entries 53
Mean 293.9
Std Dev 268.4

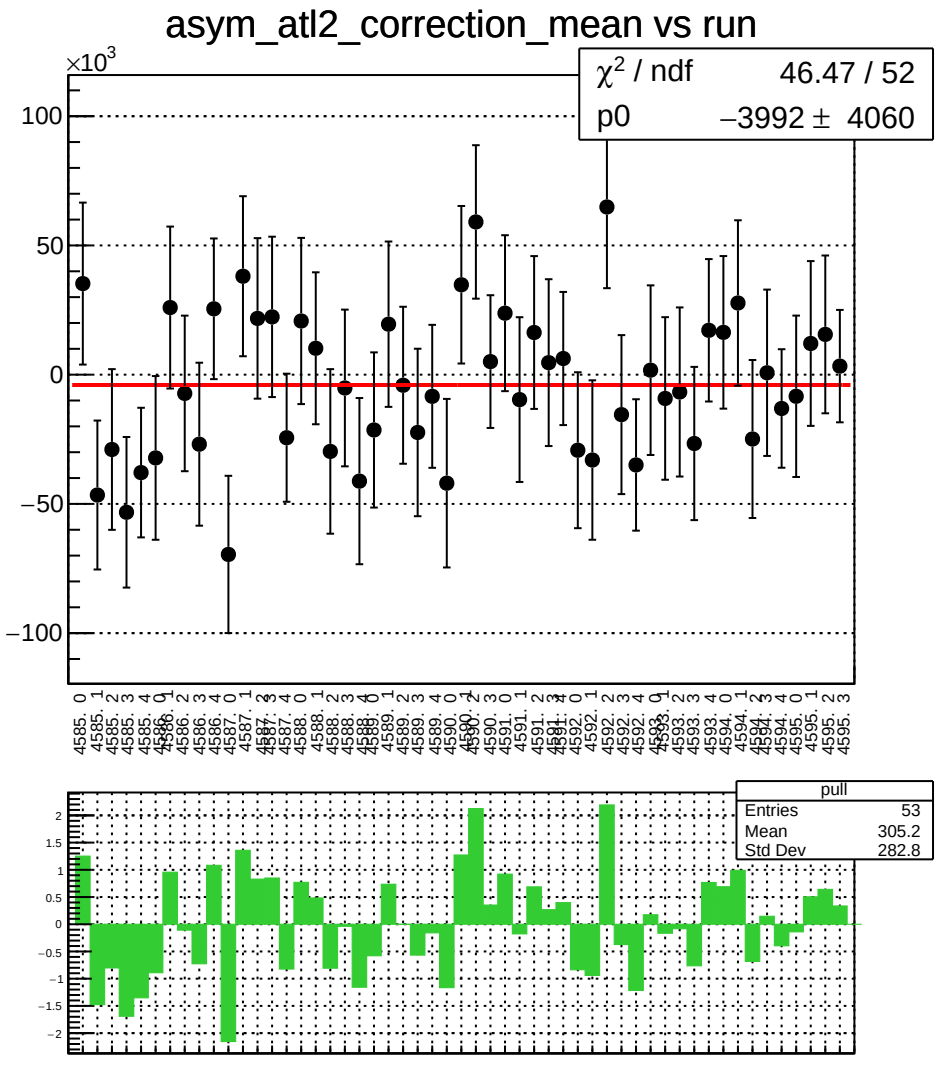

pull1D
Entries 53
Mean −0.004116
Std Dev 0.9015

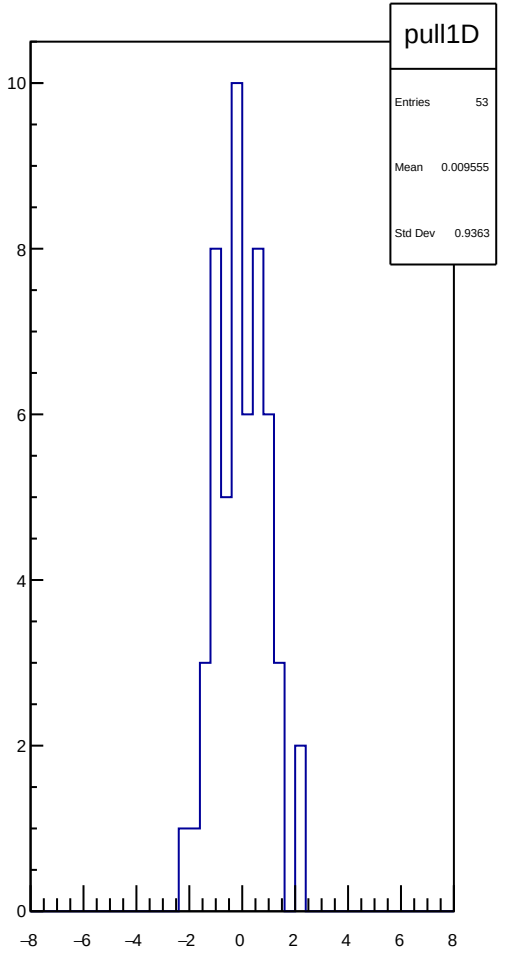

asym_atl1_rms vs run
χ² / ndf 75.24 / 52
p0 1292 ± 1.262
1320
1310
1300
1290
1280
1270
1260
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

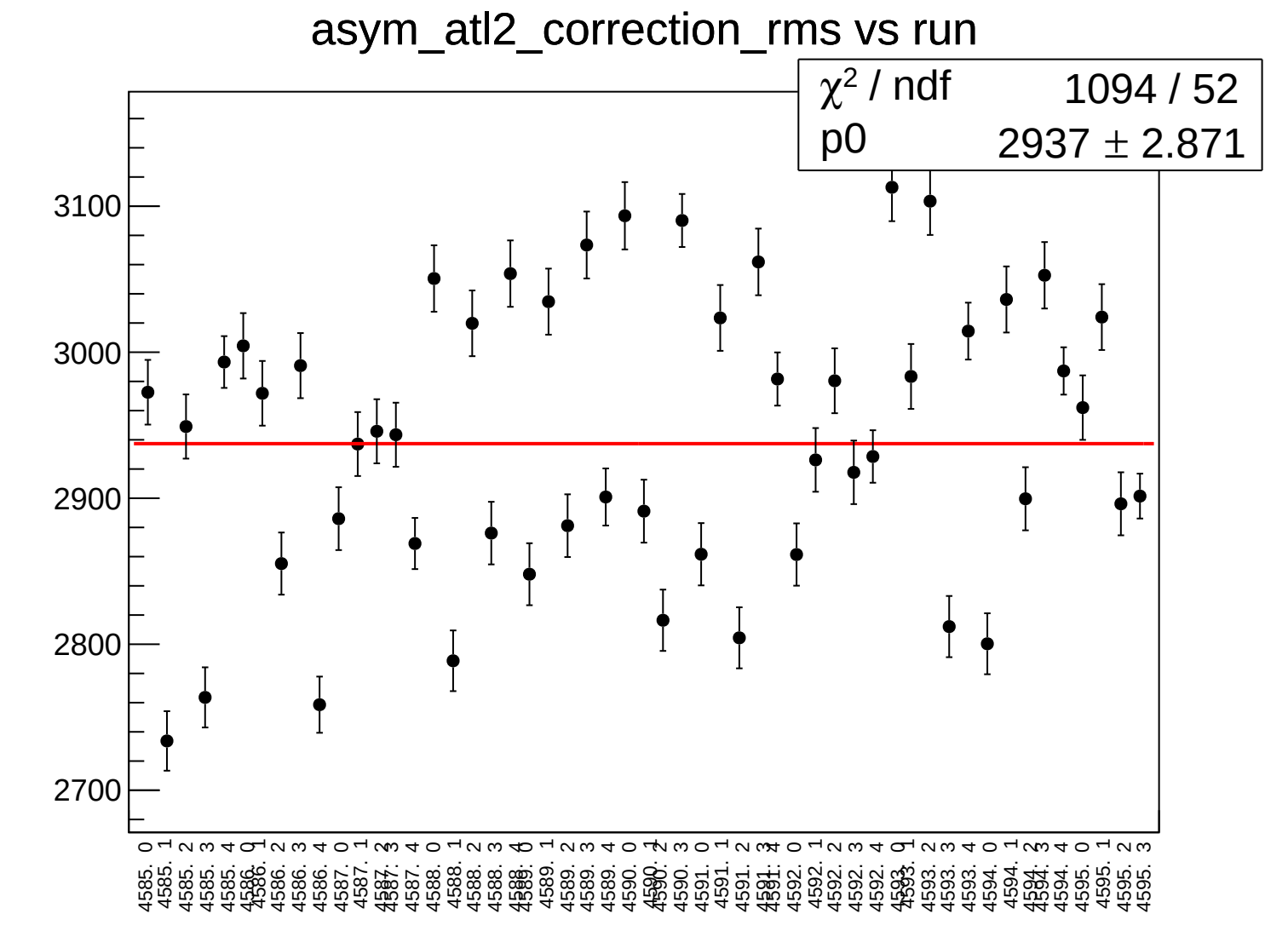

reg_asym_atl2_mean vs run
χ² / ndf 64.57 / 52
p0 −1048 ± 781.1
pull
Entries 53
Mean −260.3
Std Dev 294.1

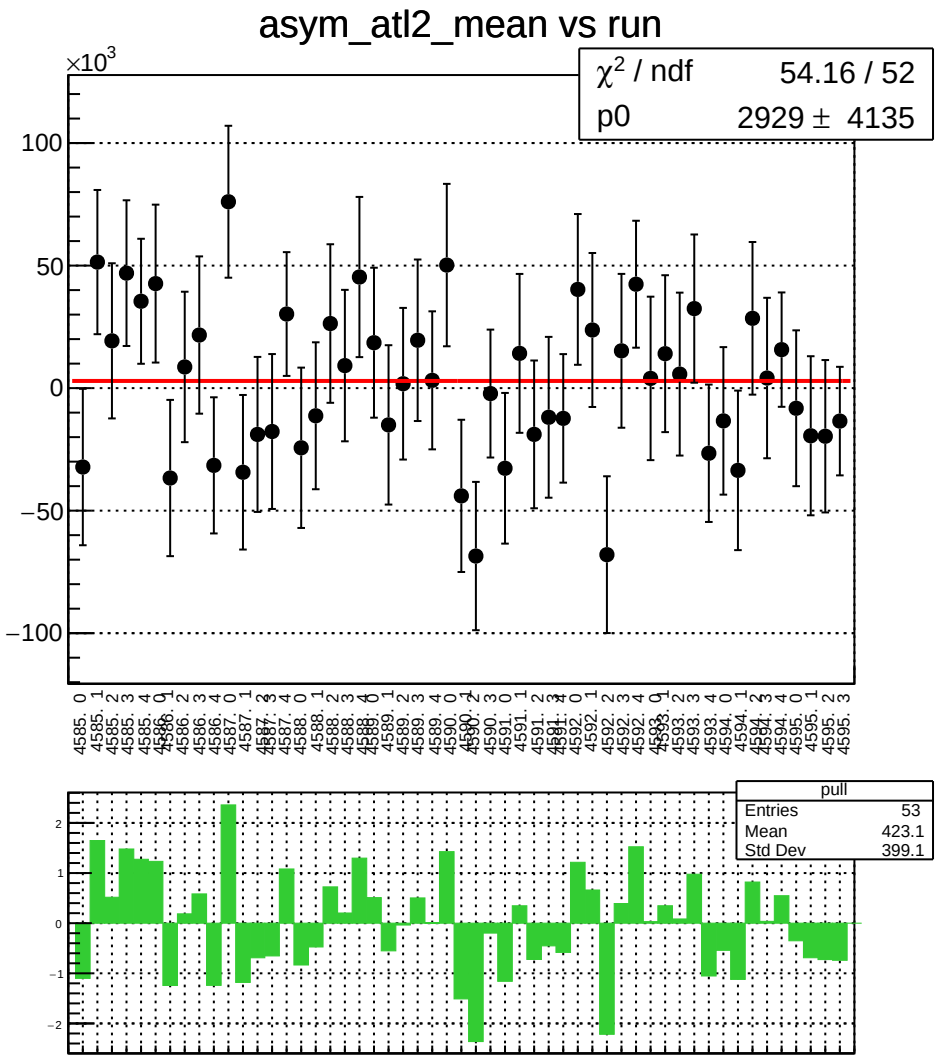

pull1D
Entries 53
Mean 0.007858
Std Dev 1.104

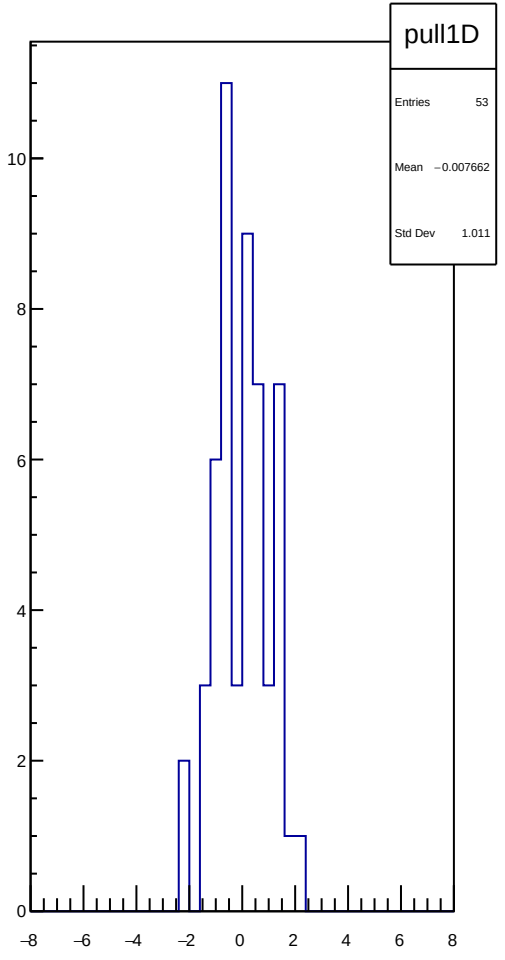

reg_asym_atl2_rms vs run
χ² / ndf 149.2 / 52
p0 565.3 ± 0.5523
600
590
580
570
560
550
540
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

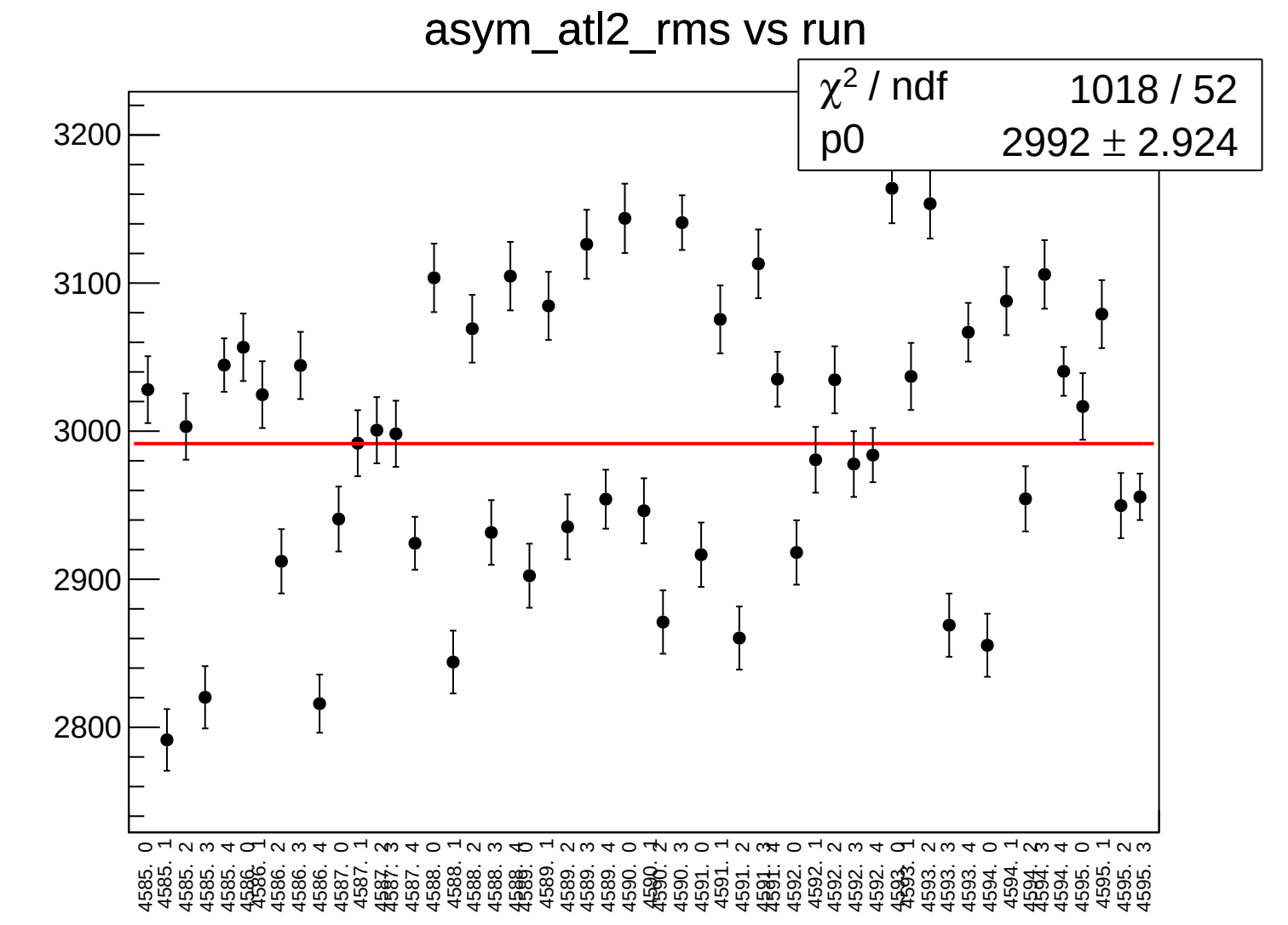

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 46.47 / 52
p0 −3992 ± 4060
100
50
0
−50
−100
pull
Entries 53
Mean 305.2
Std Dev 282.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

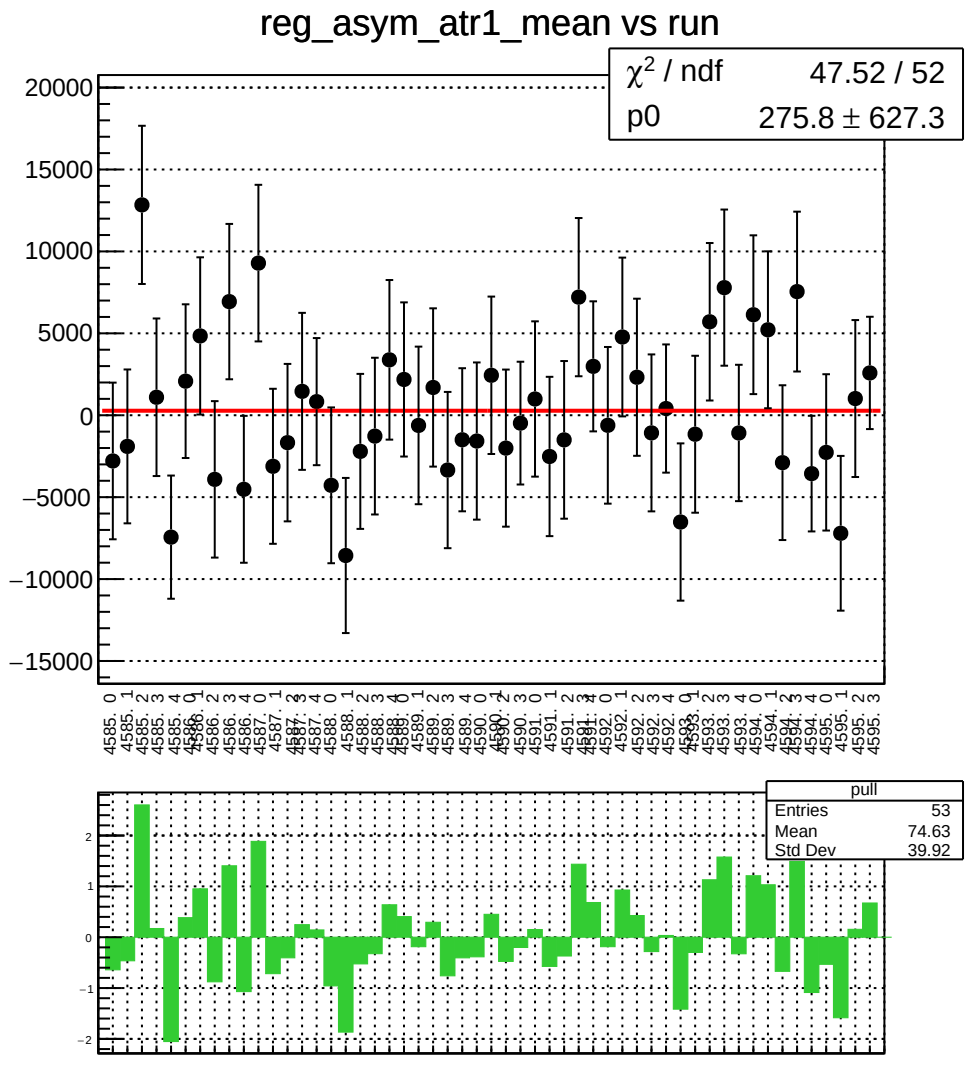

pull1D
Entries 53
Mean 0.009555
Std Dev 0.9363
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

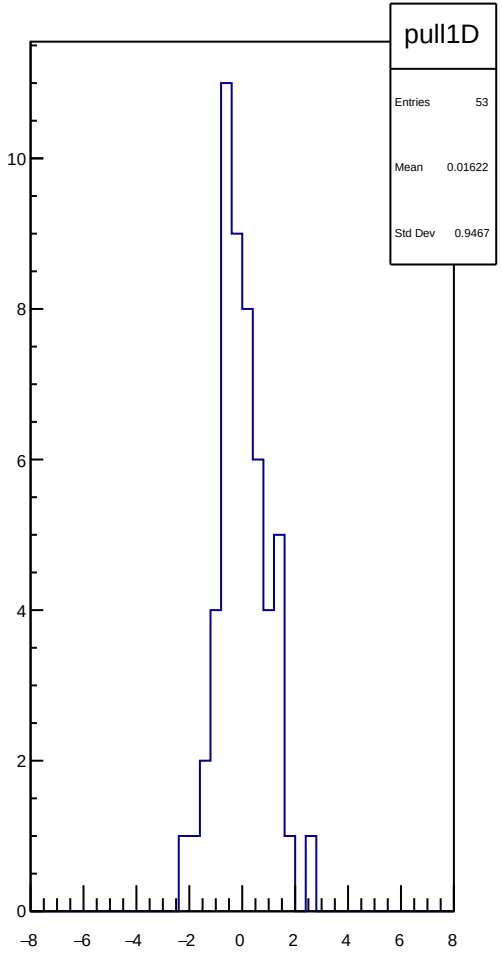

asym_atl2_correction_rms vs run
χ² / ndf 1094 / 52
p0 2937 ± 2.871
3100
3000
2900
2800
2700
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

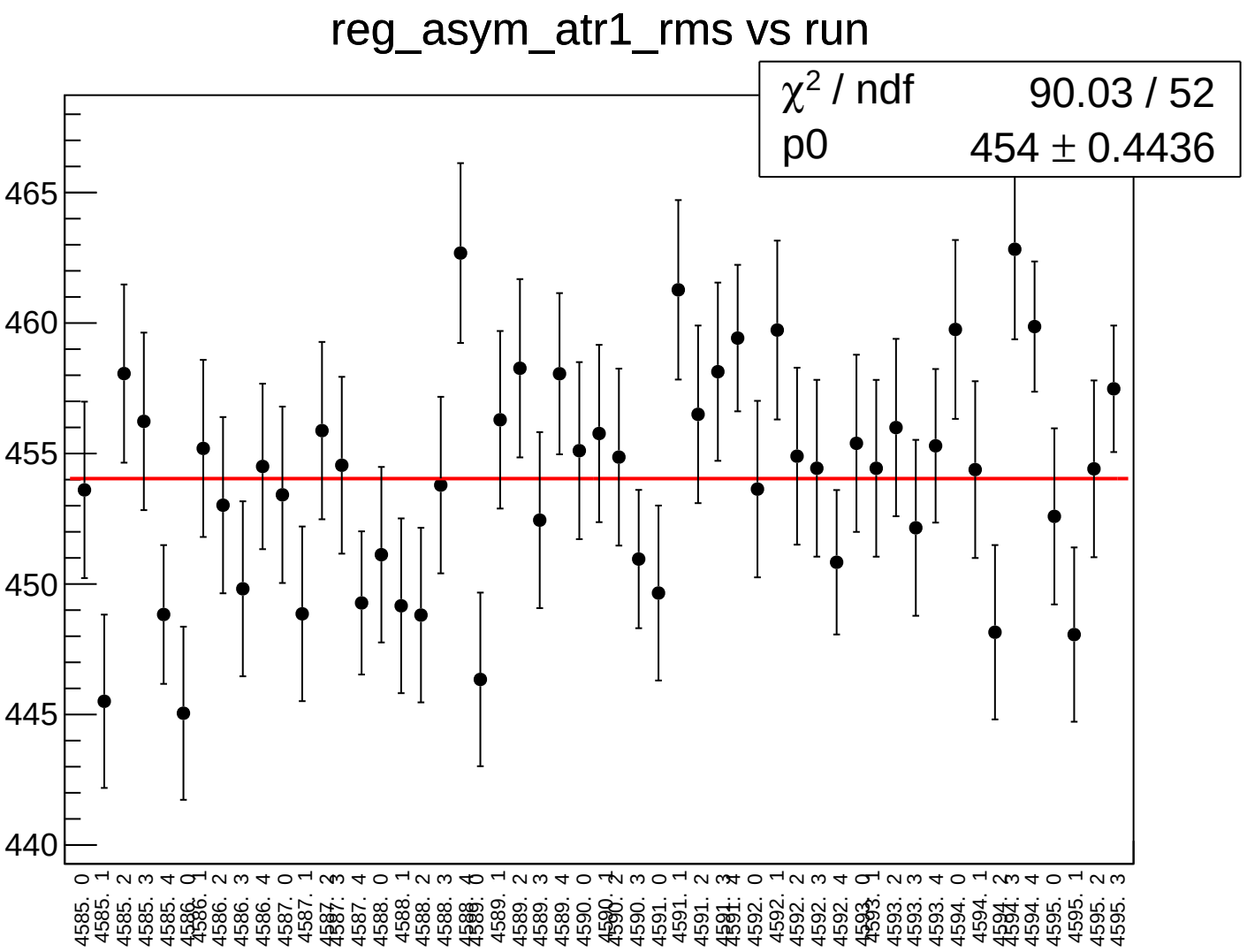

asym_atl2_mean vs run
χ^2 / ndf 54.16 / 52
p0 2929 ± 4135
×10^3
100
50
0
−50
−100
pull
Entries 53
Mean 423.1
Std Dev 399.1
2
1
0
−1
−2

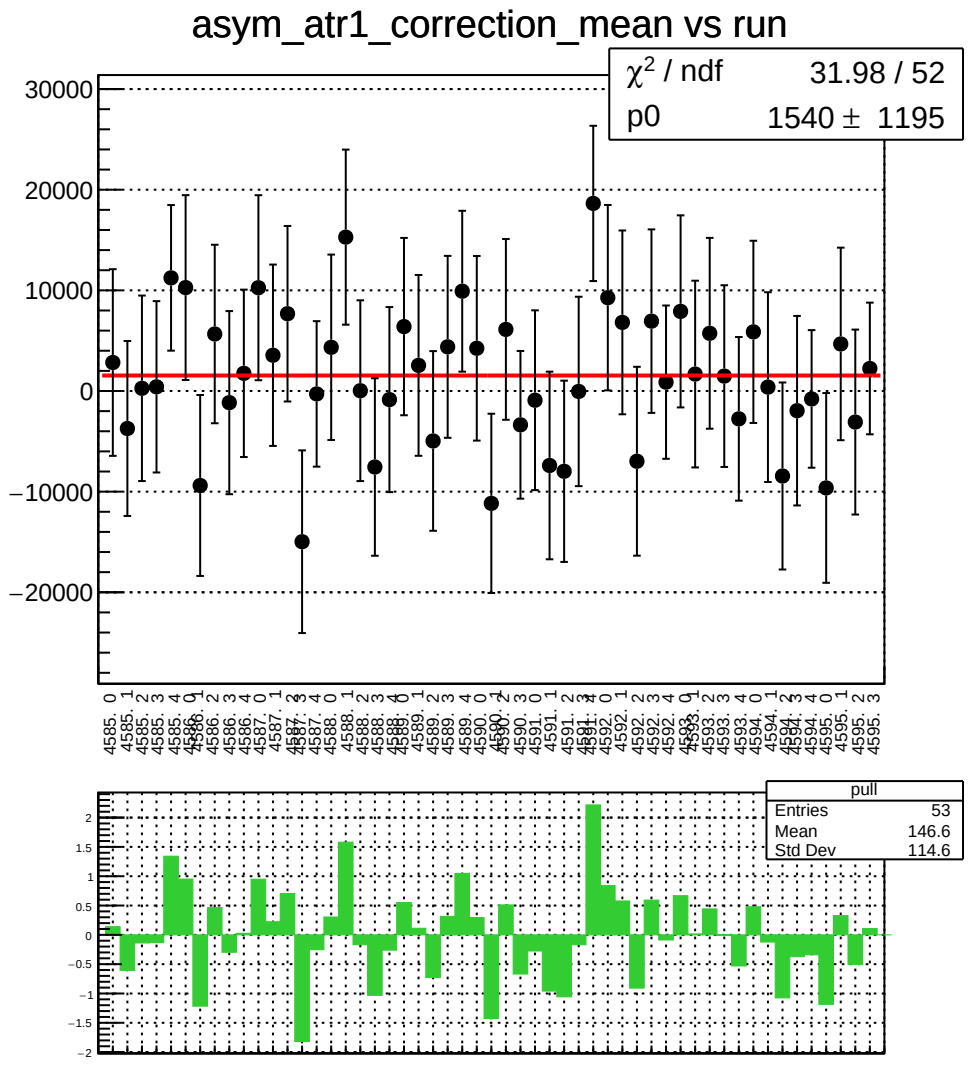

pull1D
Entries 53
Mean −0.007662
Std Dev 1.011
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

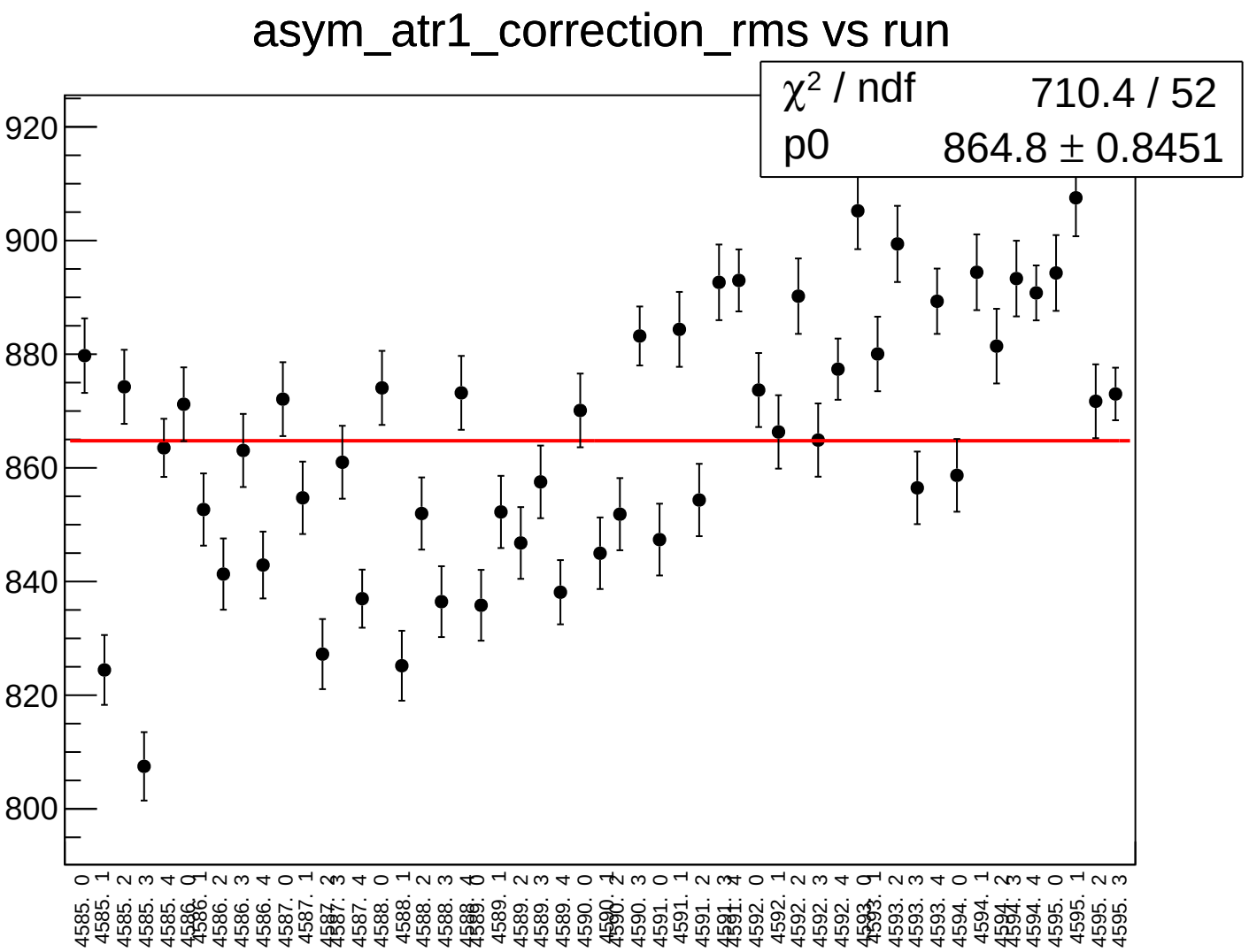

asym_atl2_rms vs run
χ² / ndf 1018 / 52
p0 2992 ± 2.924
3200
3100
3000
2900
2800
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

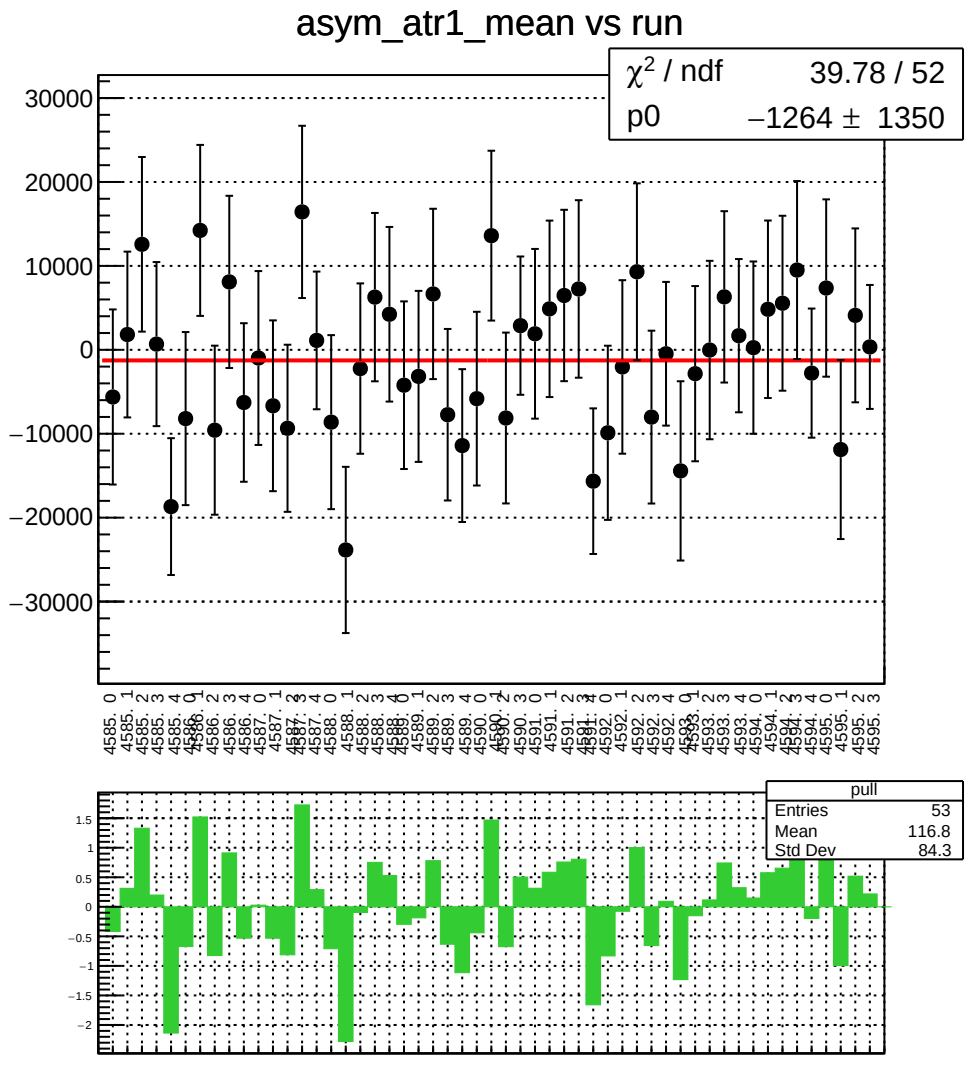

reg_asym_atr1_mean vs run
χ^2 / ndf 47.52 / 52
p0 275.8 ± 627.3
pull
Entries 53
Mean 74.63
Std Dev 39.92

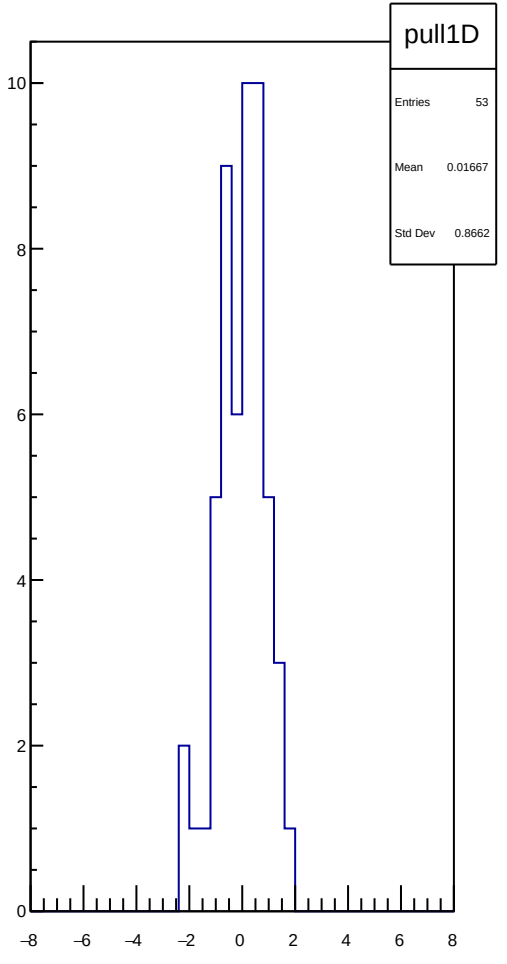

pull1D
Entries 53
Mean 0.01622
Std Dev 0.9467

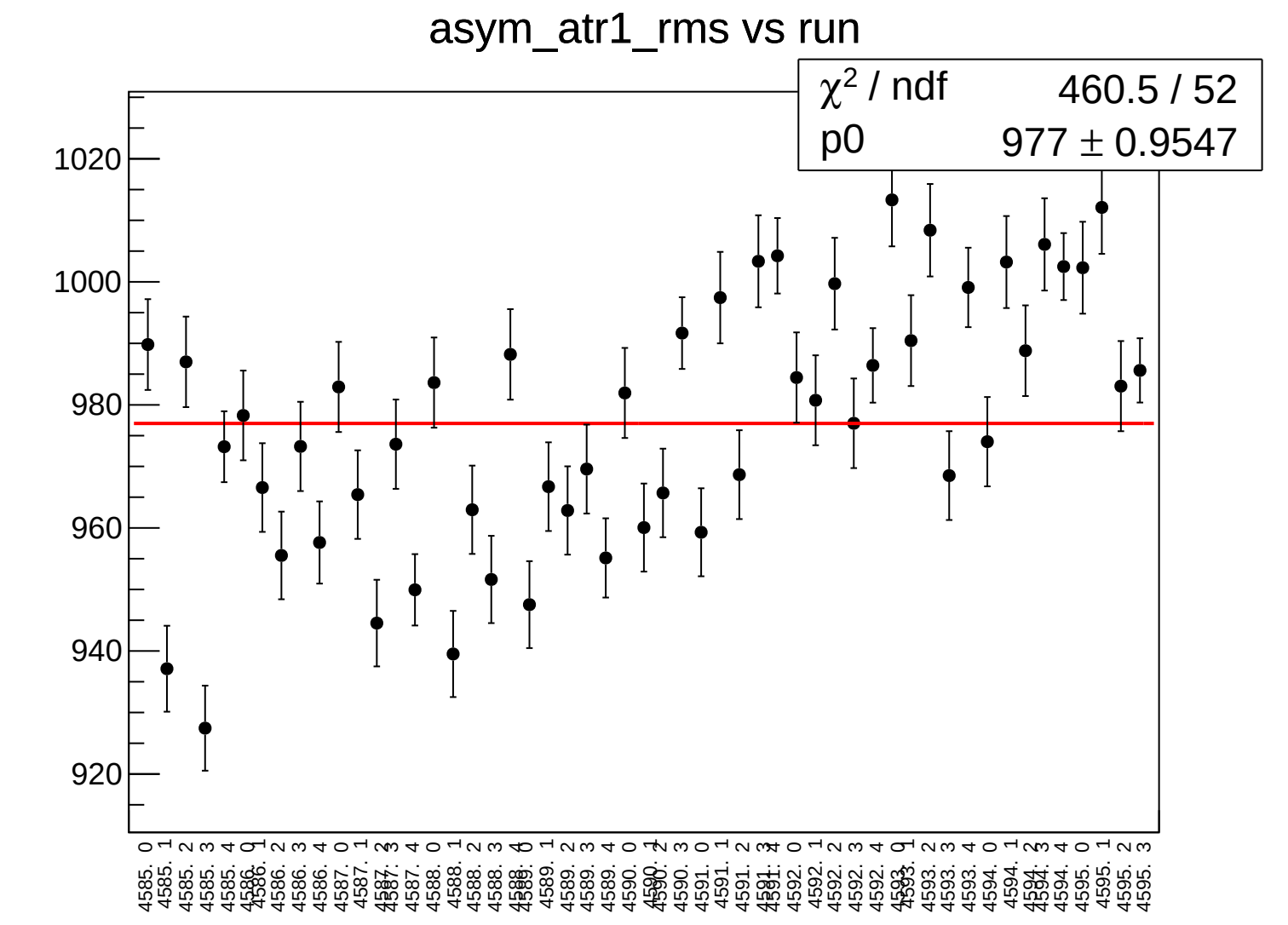

reg_asym_atr1_rms vs run
χ^2 / ndf 90.03 / 52
p0 454 ± 0.4436
465
460
455
450
445
440
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

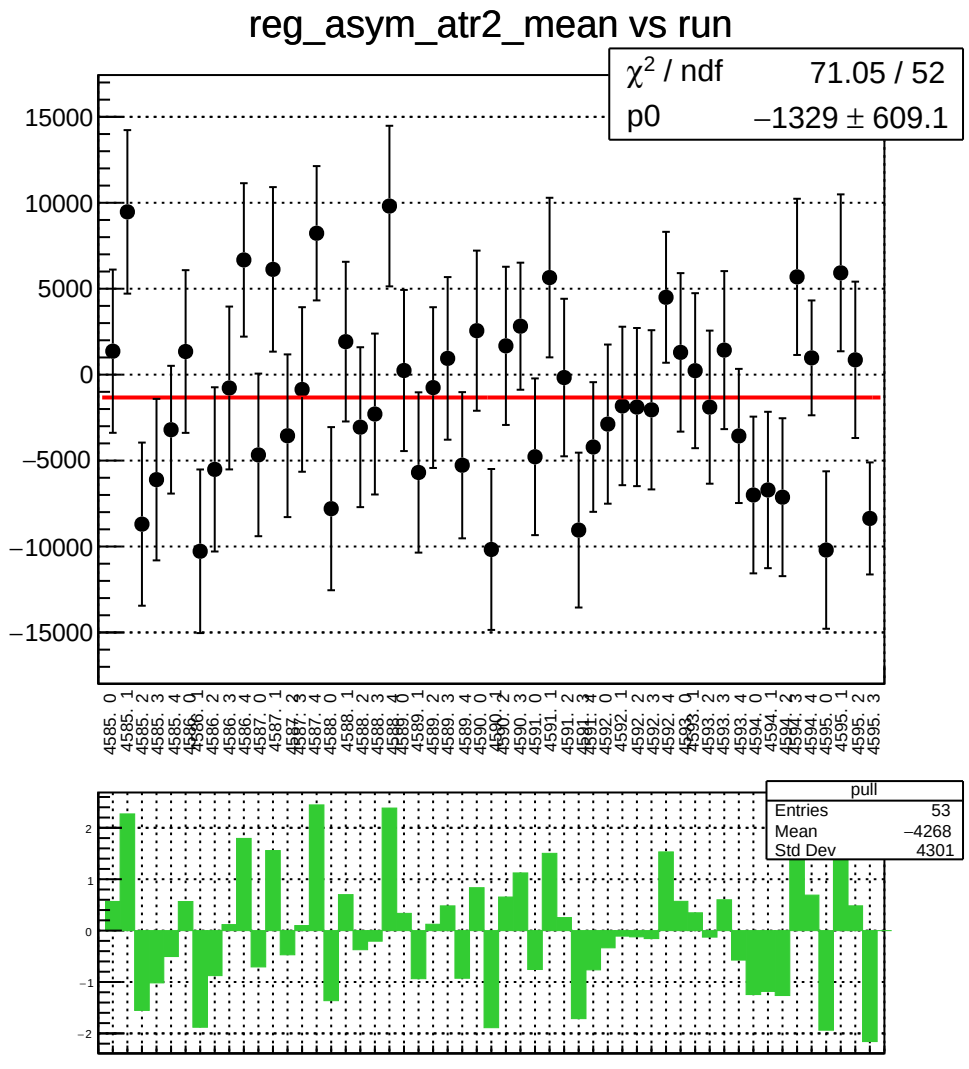

asym_atr1_correction_mean vs run
χ² / ndf 31.98 / 52
p0 1540 ± 1195
pull
Entries 53
Mean 146.6
Std Dev 114.6
pull1D
Entries 53
Mean −0.01037
Std Dev 0.7767

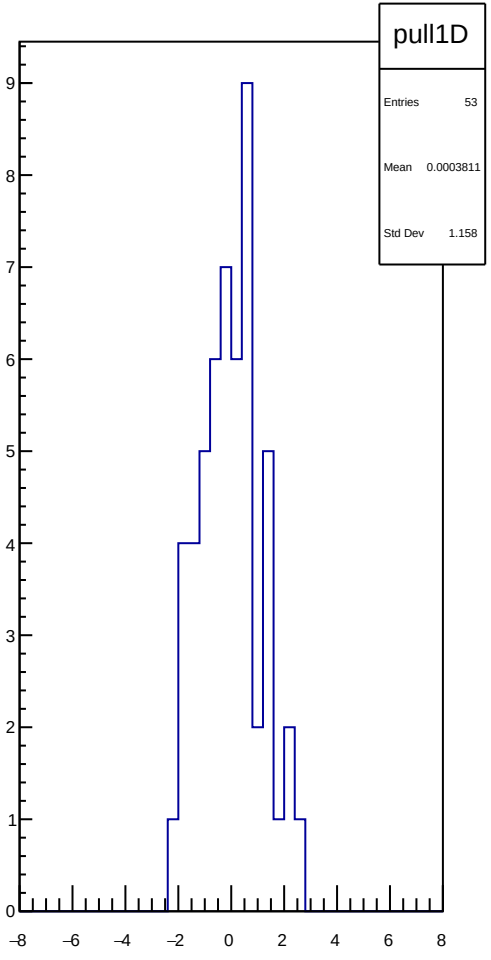

asym_atr1_correction_rms vs run
χ² / ndf 710.4 / 52
p0 864.8 ± 0.8451
920
900
880
860
840
820
800
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

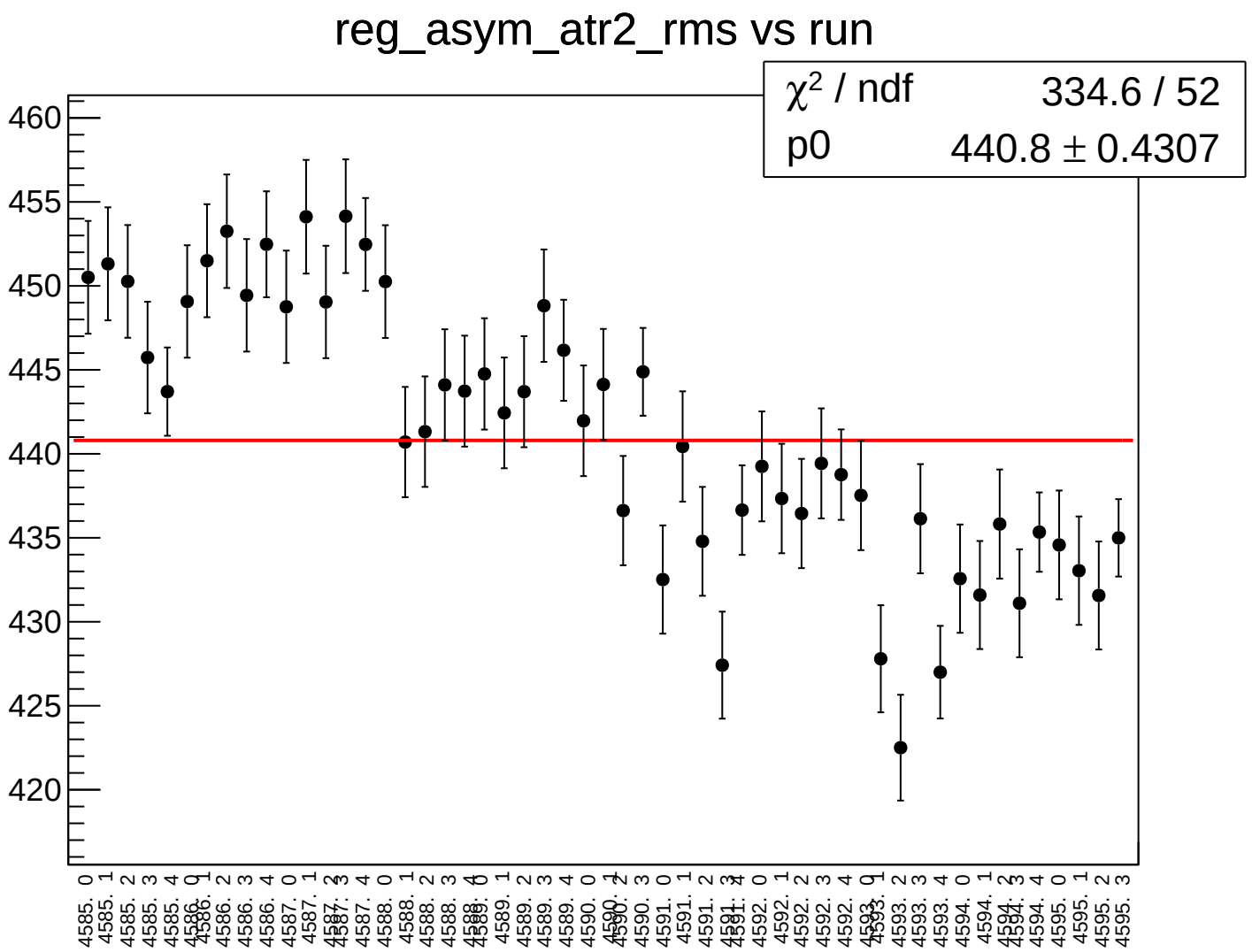

asym_atr1_mean vs run
χ² / ndf 39.78 / 52
p0 −1264 ± 1350
pull
Entries 53
Mean 116.8
Std Dev 84.3

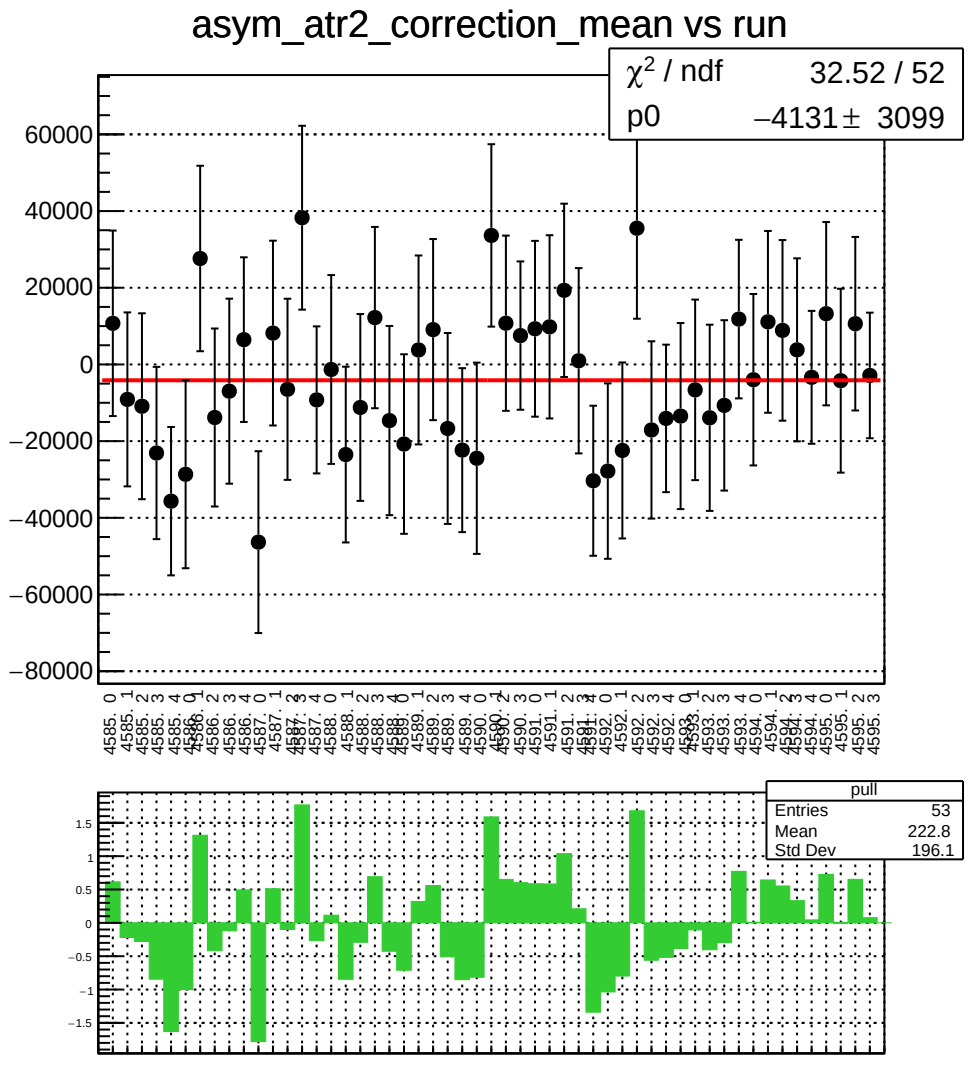

pull1D
Entries 53
Mean 0.01667
Std Dev 0.8662

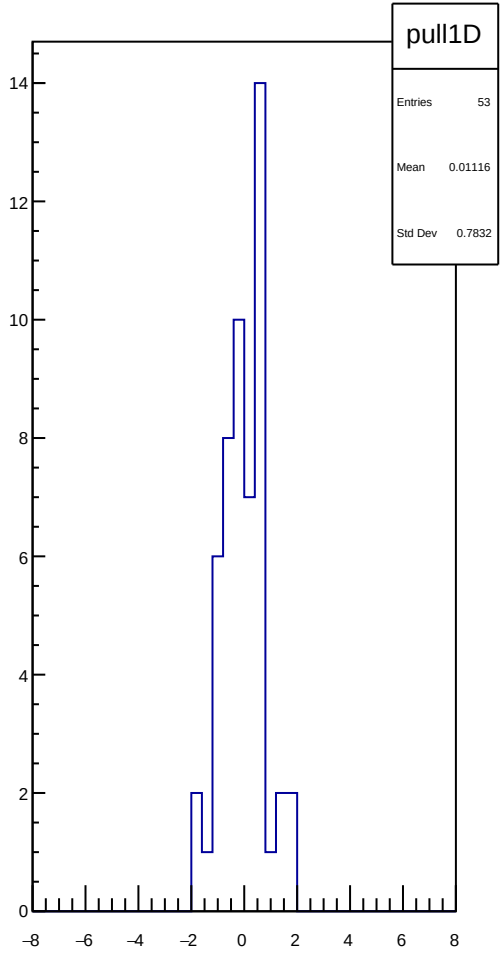

asym_atr1_rms vs run
χ^2 / ndf 460.5 / 52
p0 977 ± 0.9547
1020
1000
980
960
940
920
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

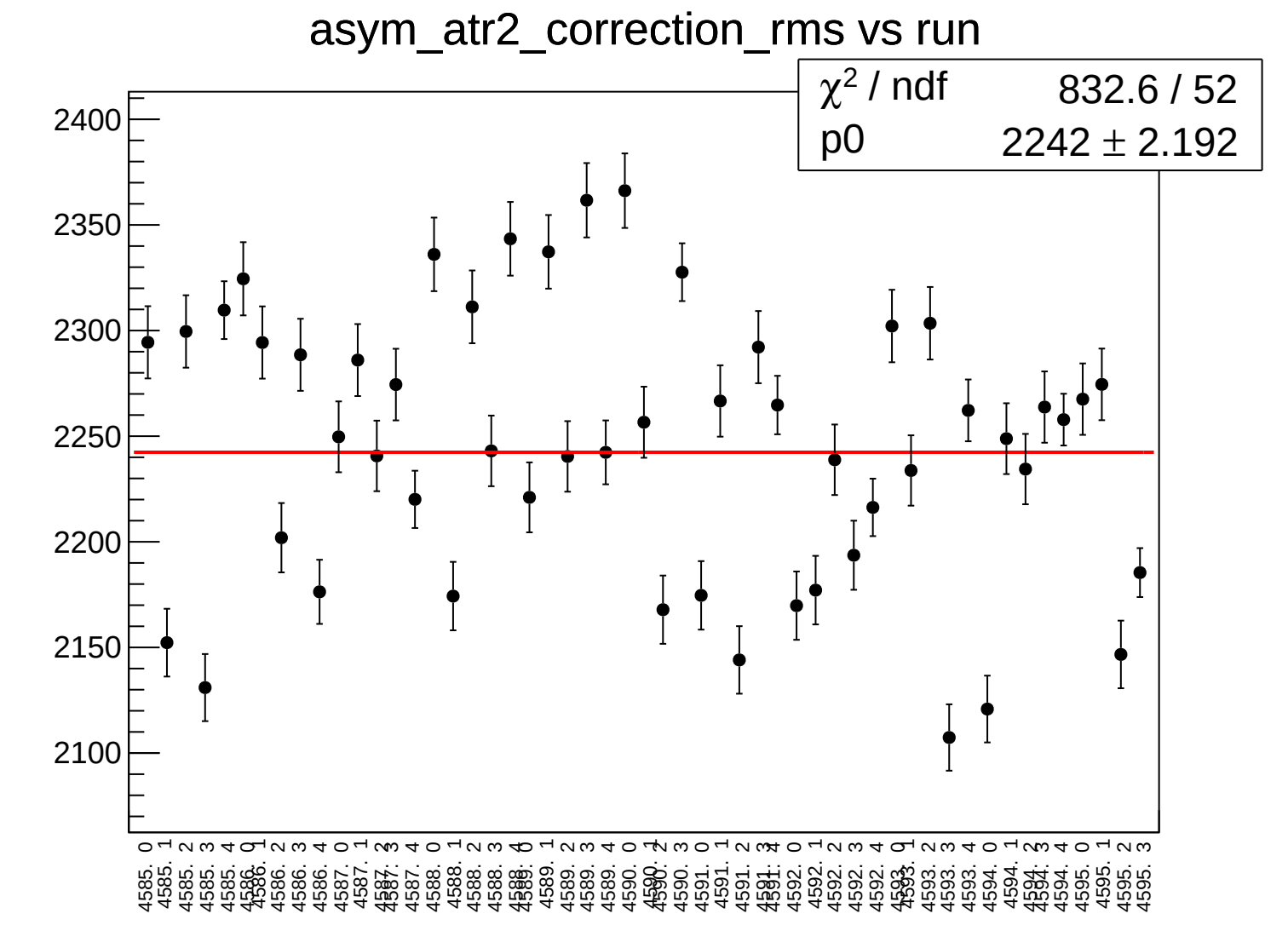

reg_asym_atr2_mean vs run
χ² / ndf 71.05 / 52
p0 −1329 ± 609.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −4268
Std Dev 4301
2
1
0
−1
−2

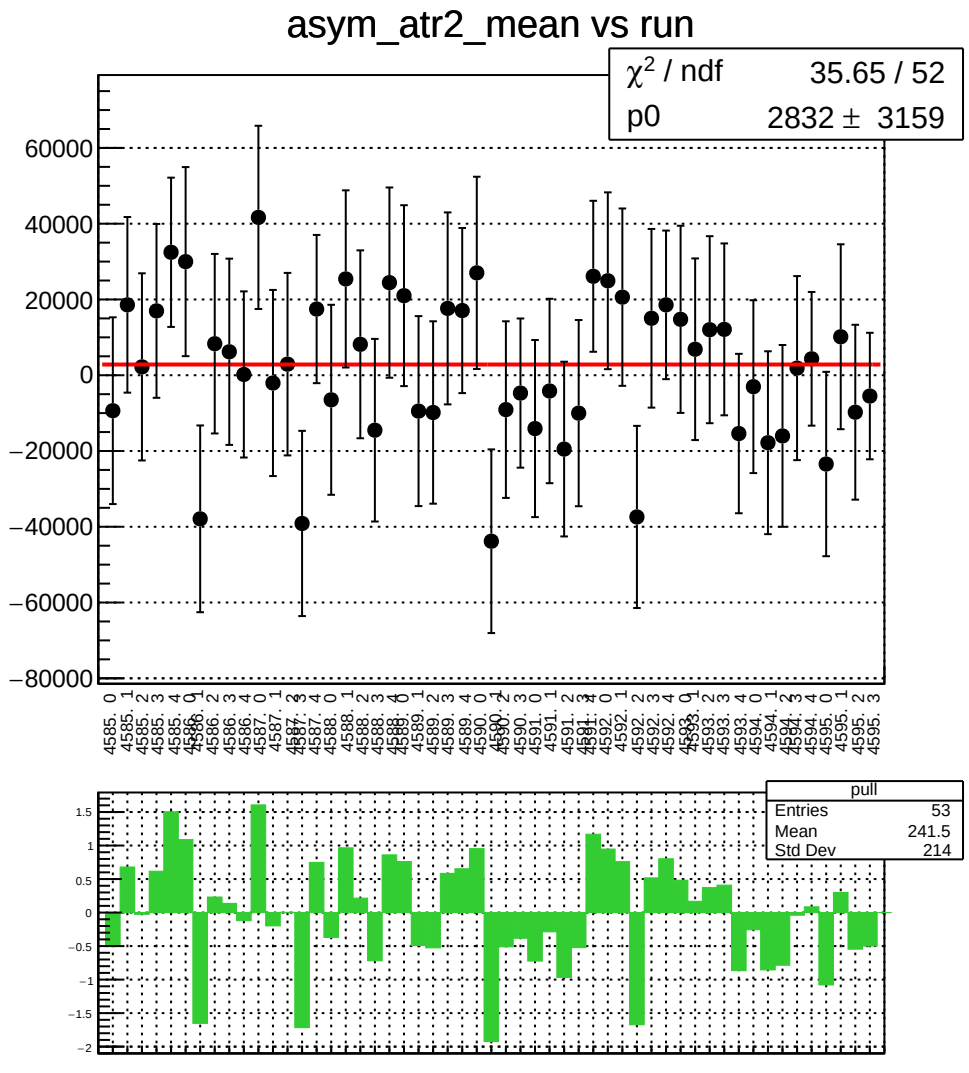

pull1D
Entries 53
Mean 0.0003811
Std Dev 1.158
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

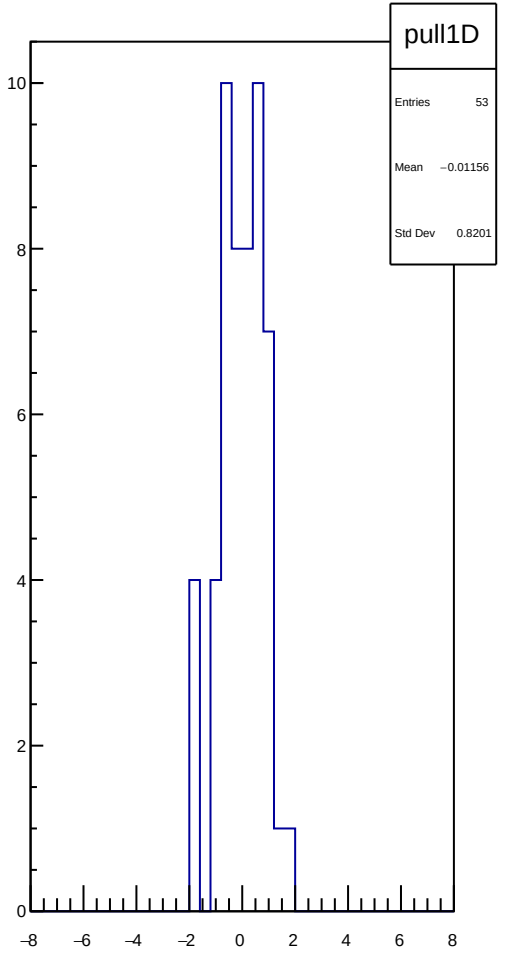

reg_asym_atr2_rms vs run
χ² / ndf 334.6 / 52
p0 440.8 ± 0.4307
460
455
450
445
440
435
430
425
420
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

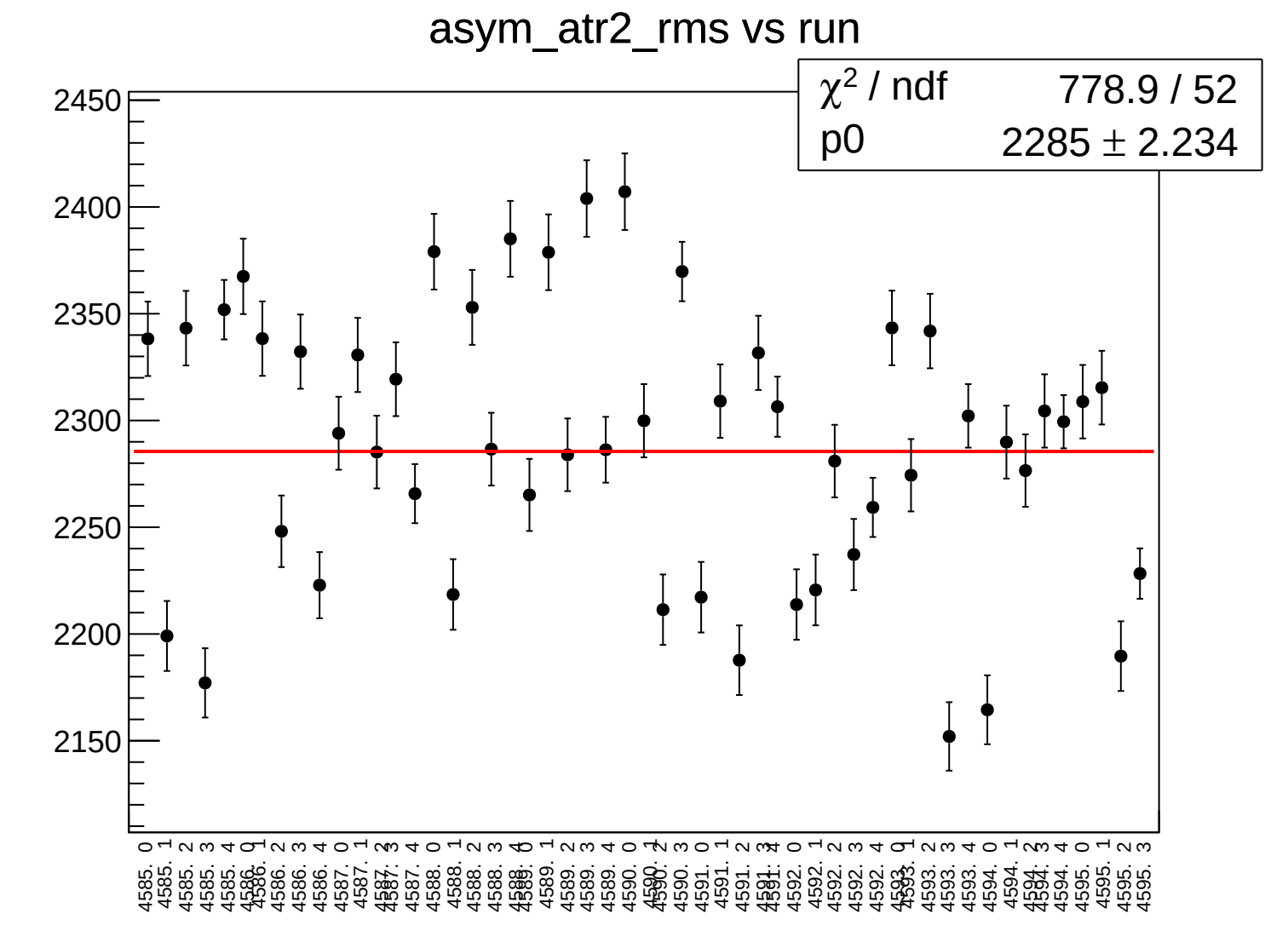

asym_atr2_correction_mean vs run
χ² / ndf 32.52 / 52
p0 −4131 ± 3099
pull
Entries 53
Mean 222.8
Std Dev 196.1

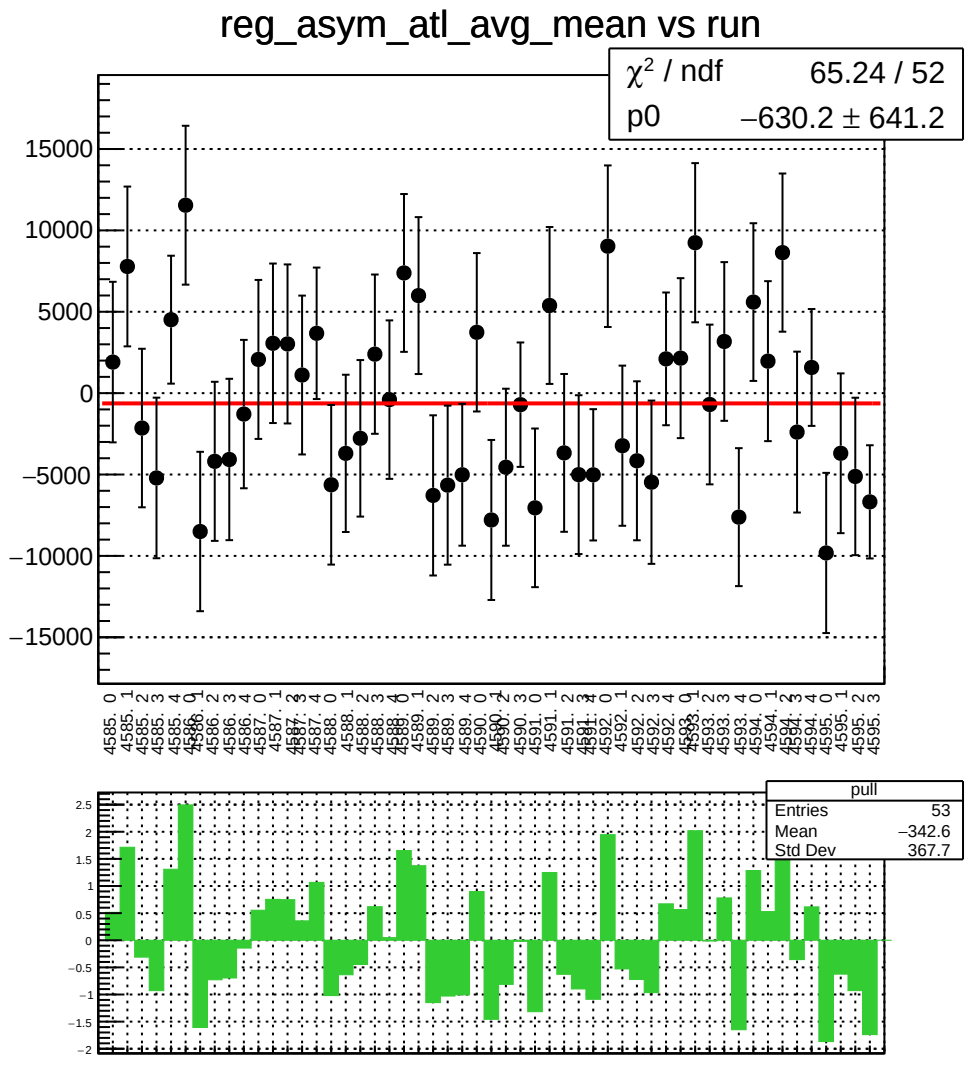

pull1D
Entries 53
Mean 0.01116
Std Dev 0.7832

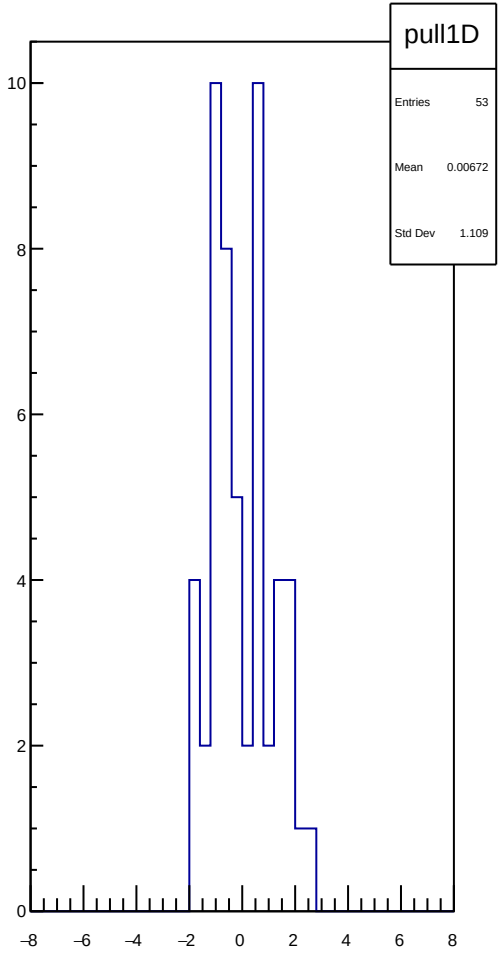

asym_atr2_correction_rms vs run
χ² / ndf 832.6 / 52
p0 2242 ± 2.192
2400
2350
2300
2250
2200
2150
2100
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

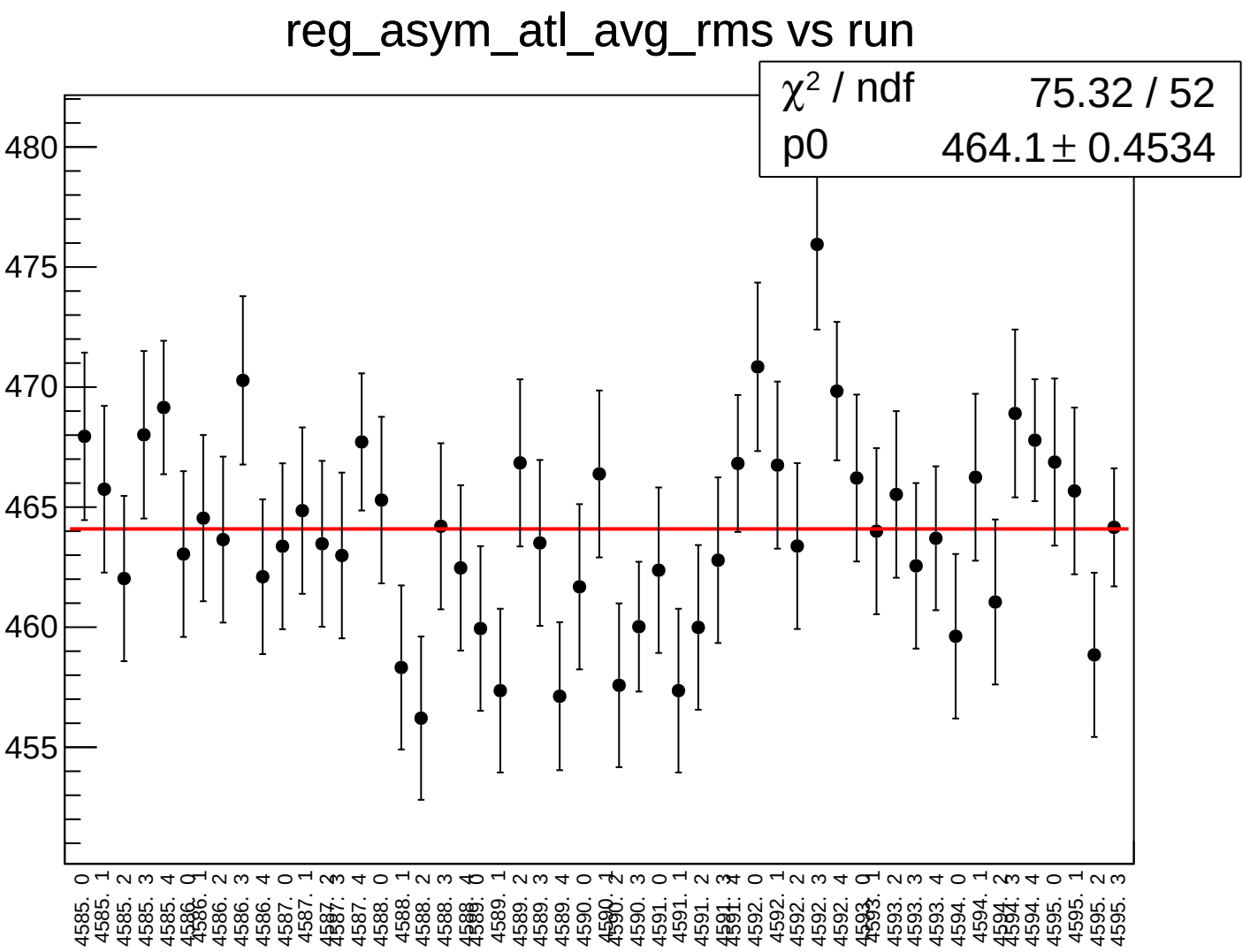

asym_atr2_mean vs run
χ² / ndf 35.65 / 52
p0 2832 ± 3159
pull
Entries 53
Mean 241.5
Std Dev 214

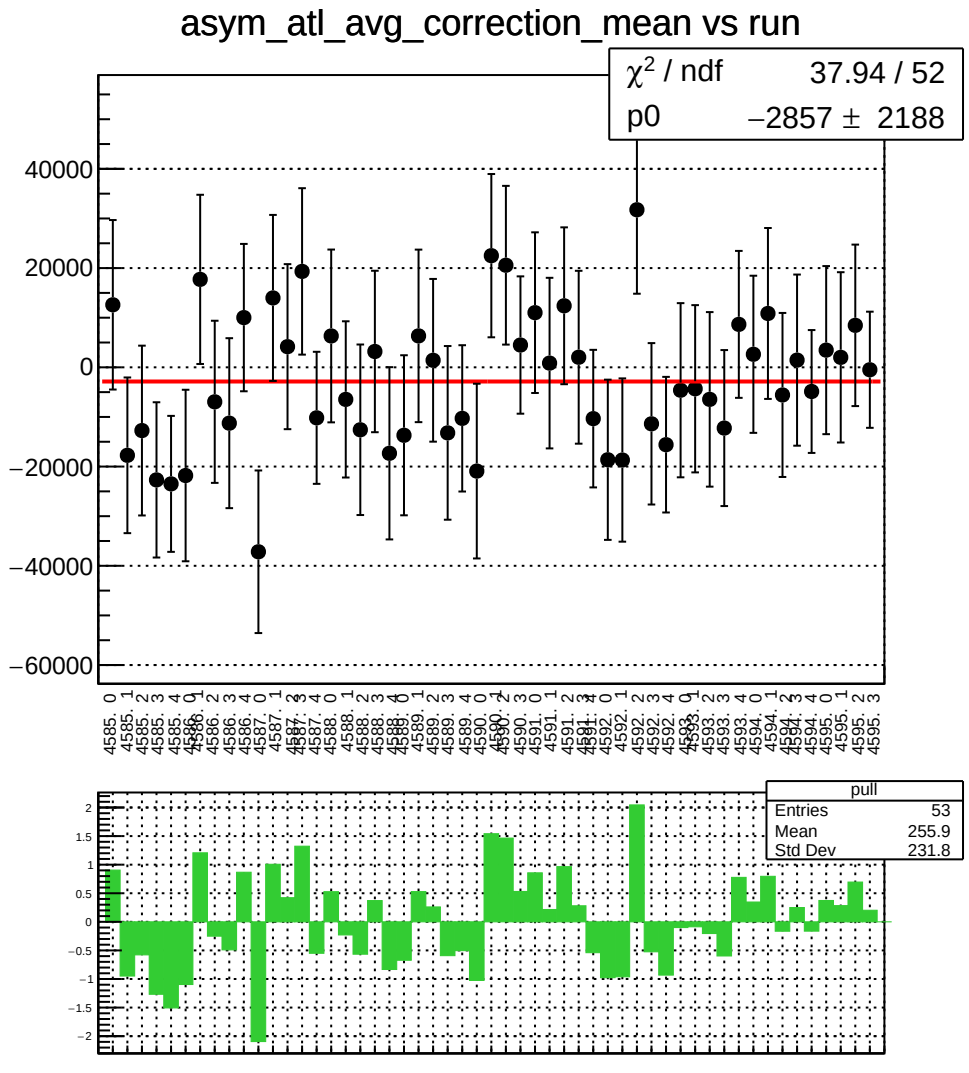

pull1D
Entries 53
Mean −0.01156
Std Dev 0.8201

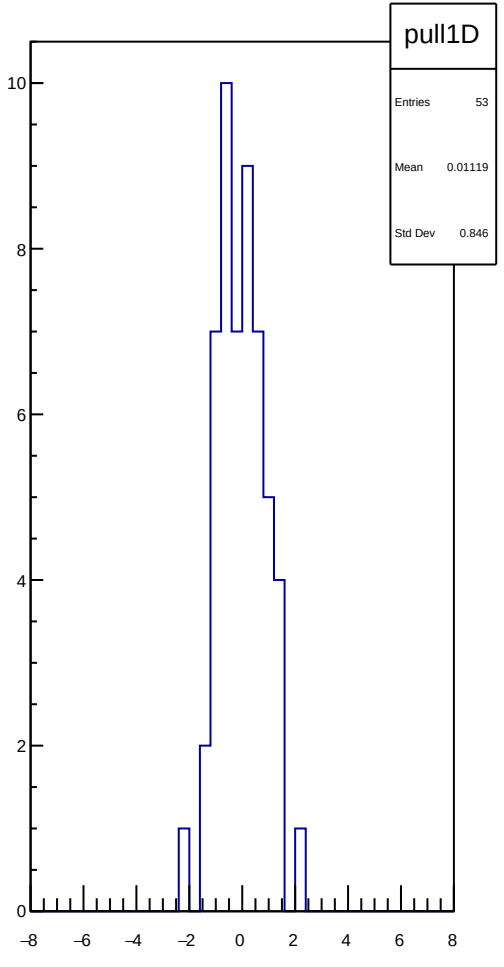

asym_atr2_rms vs run
χ² / ndf 778.9 / 52
p0 2285 ± 2.234
2450
2400
2350
2300
2250
2200
2150
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

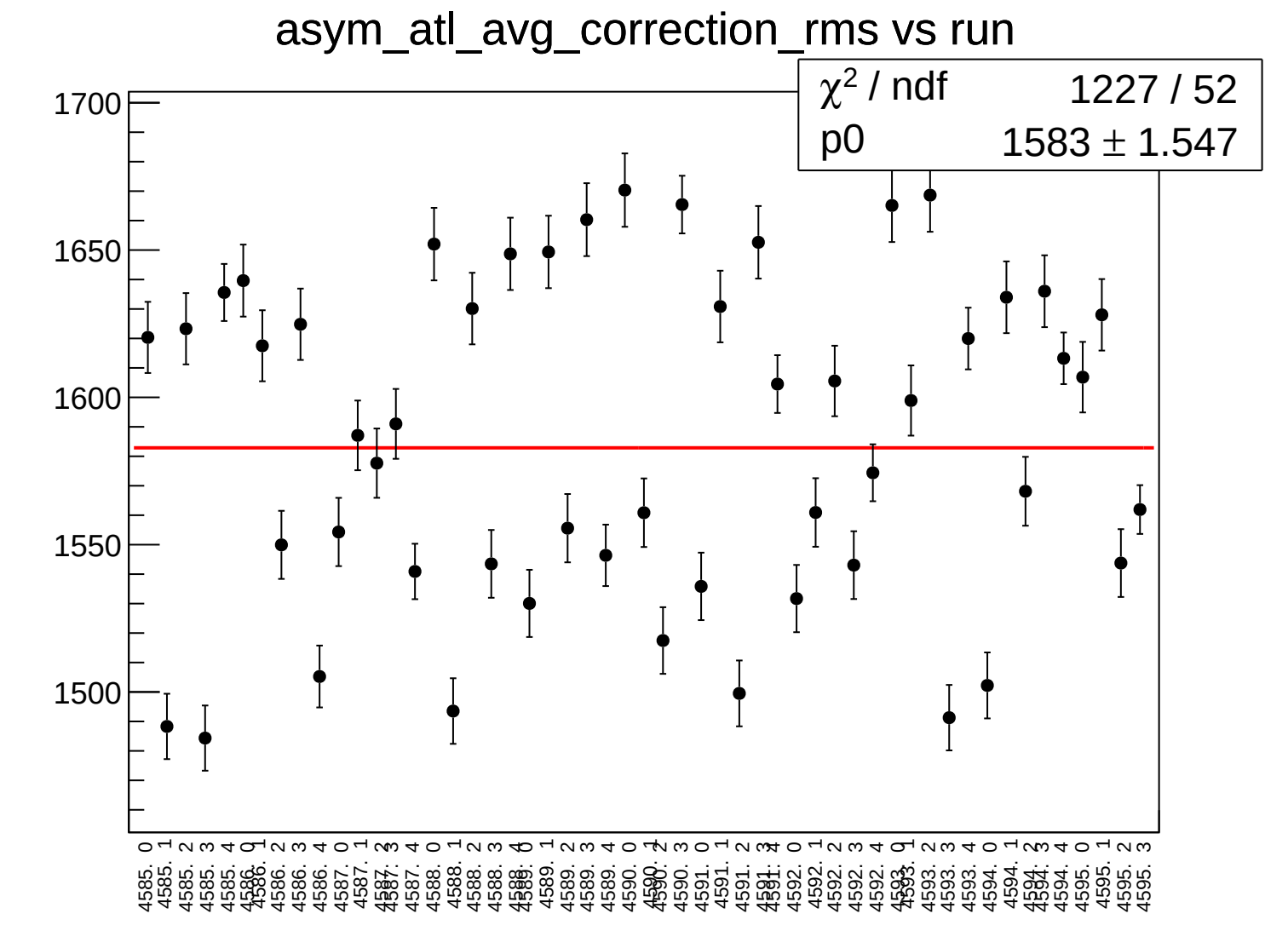

reg_asym_atl_avg_mean vs run
χ² / ndf 65.24 / 52
p0 −630.2 ± 641.2
pull
Entries 53
Mean −342.6
Std Dev 367.7

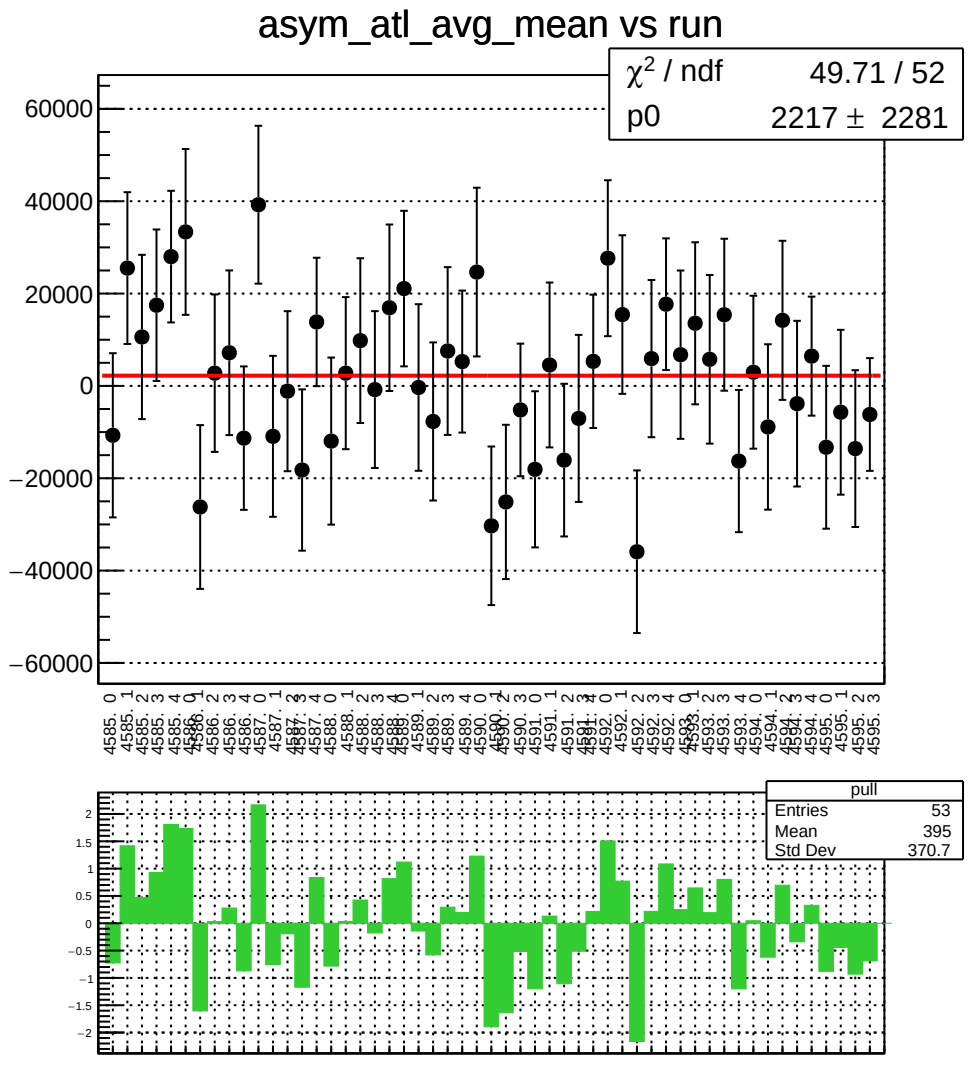

pull1D
Entries 53
Mean 0.00672
Std Dev 1.109

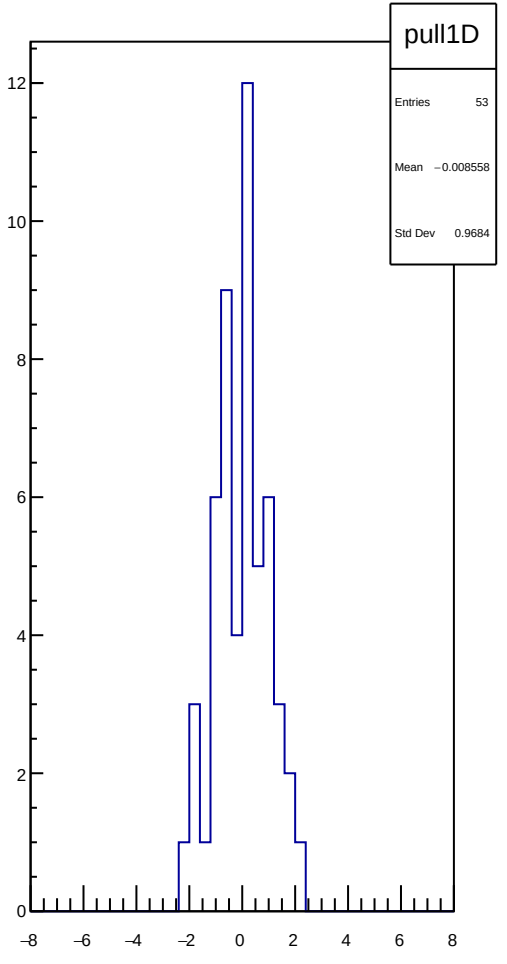

reg_asym_atl_avg_rms vs run
χ² / ndf 75.32 / 52
p0 464.1 ± 0.4534
480
475
470
465
460
455
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

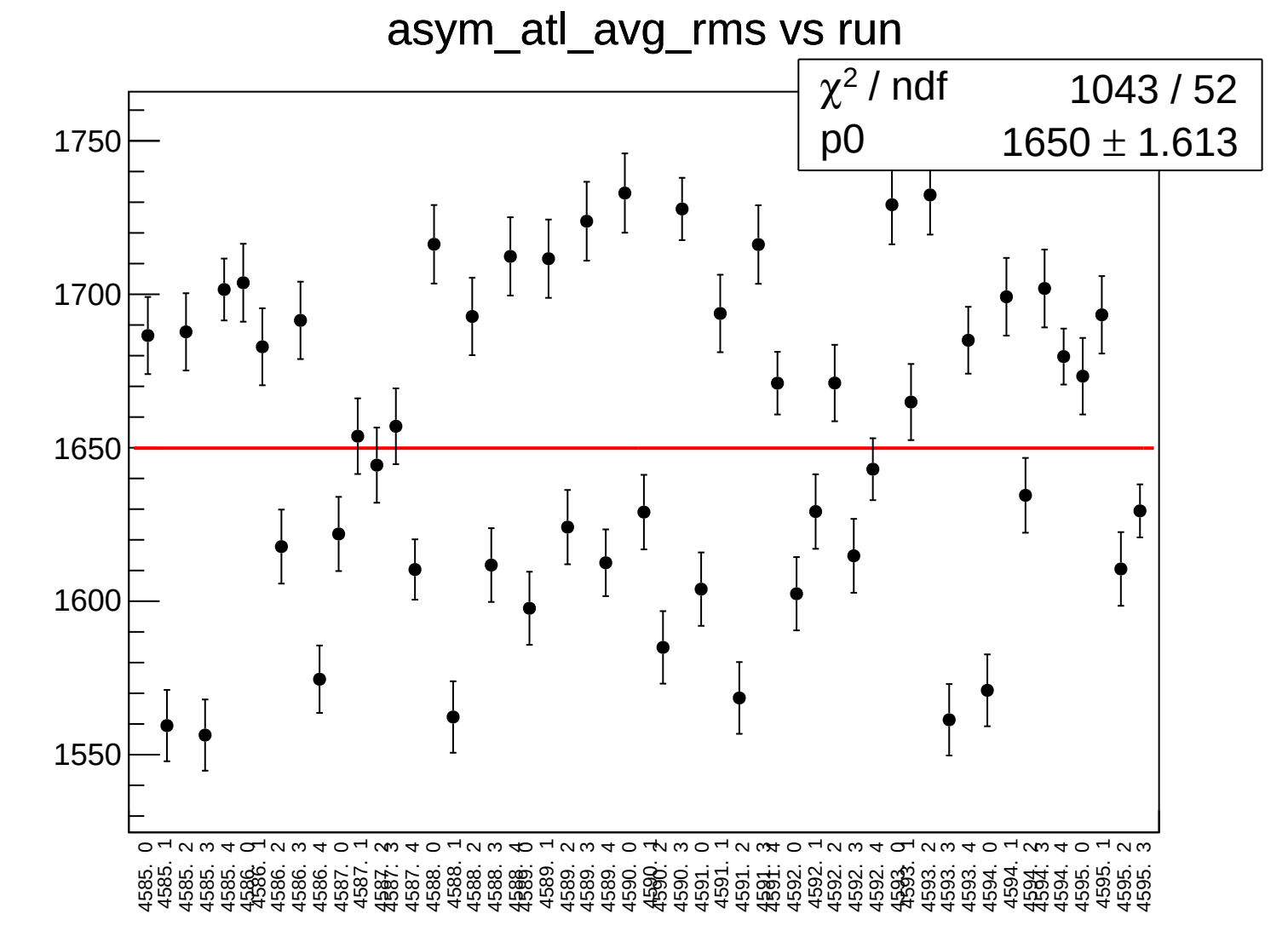

asym_atl_avg_correction_mean vs run
χ² / ndf 37.94 / 52
p0 −2857 ± 2188
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 255.9
Std Dev 231.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

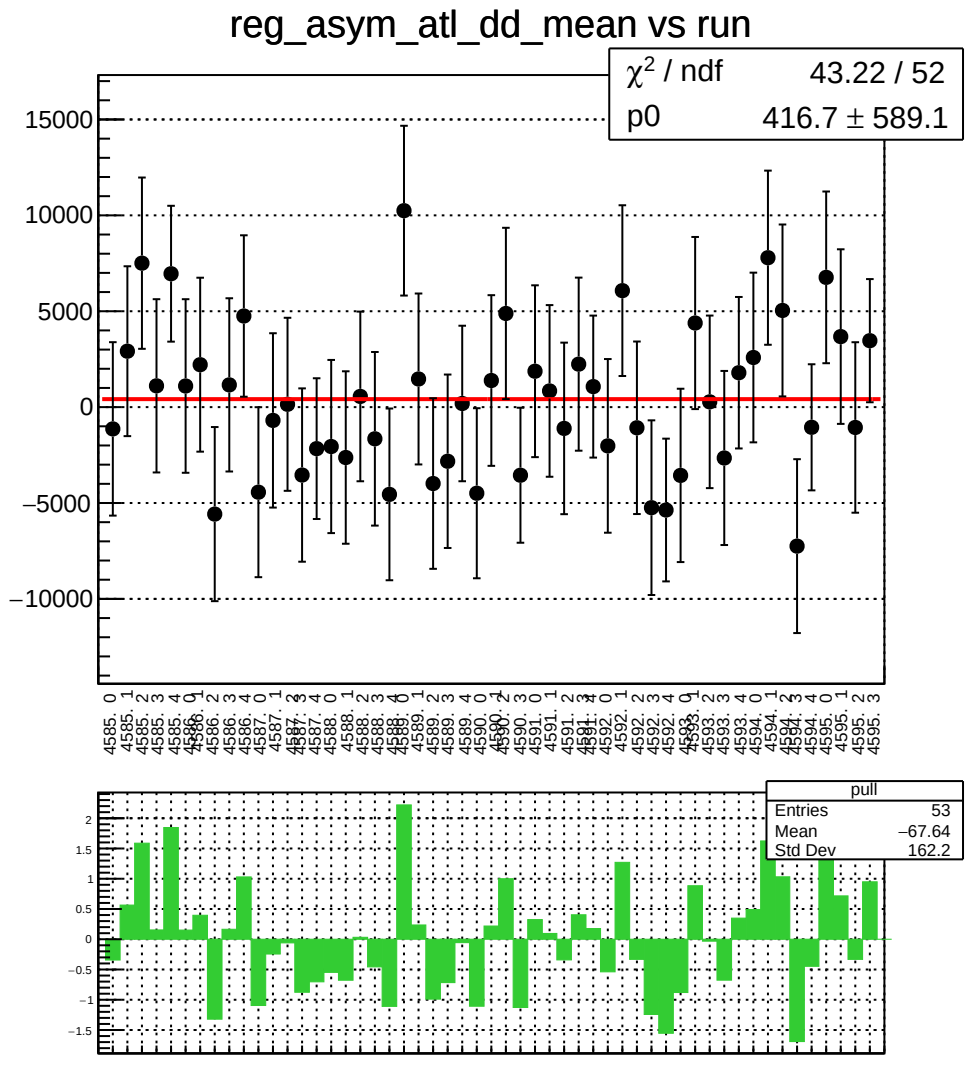

pull1D
Entries 53
Mean 0.01119
Std Dev 0.846
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

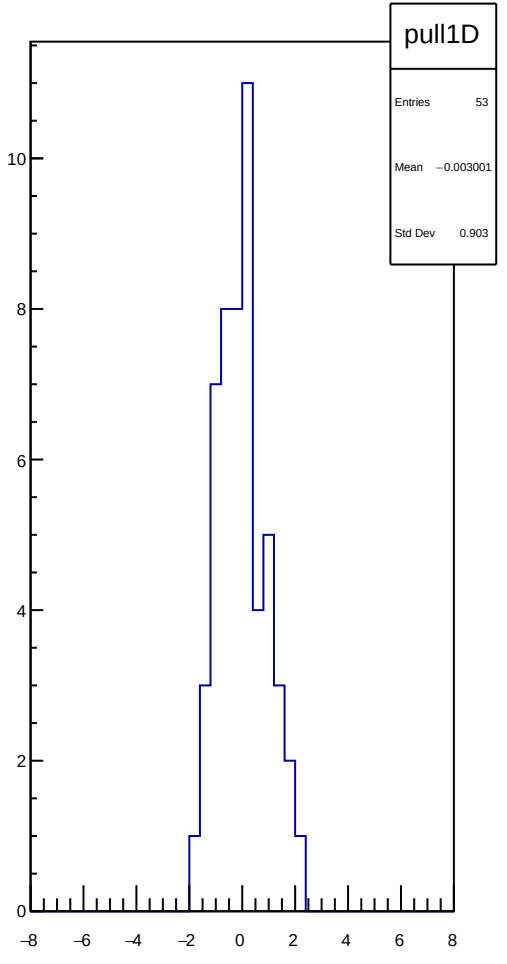

asym_atl_avg_correction_rms vs run
χ² / ndf 1227 / 52
p0 1583 ± 1.547
1700
1650
1600
1550
1500
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

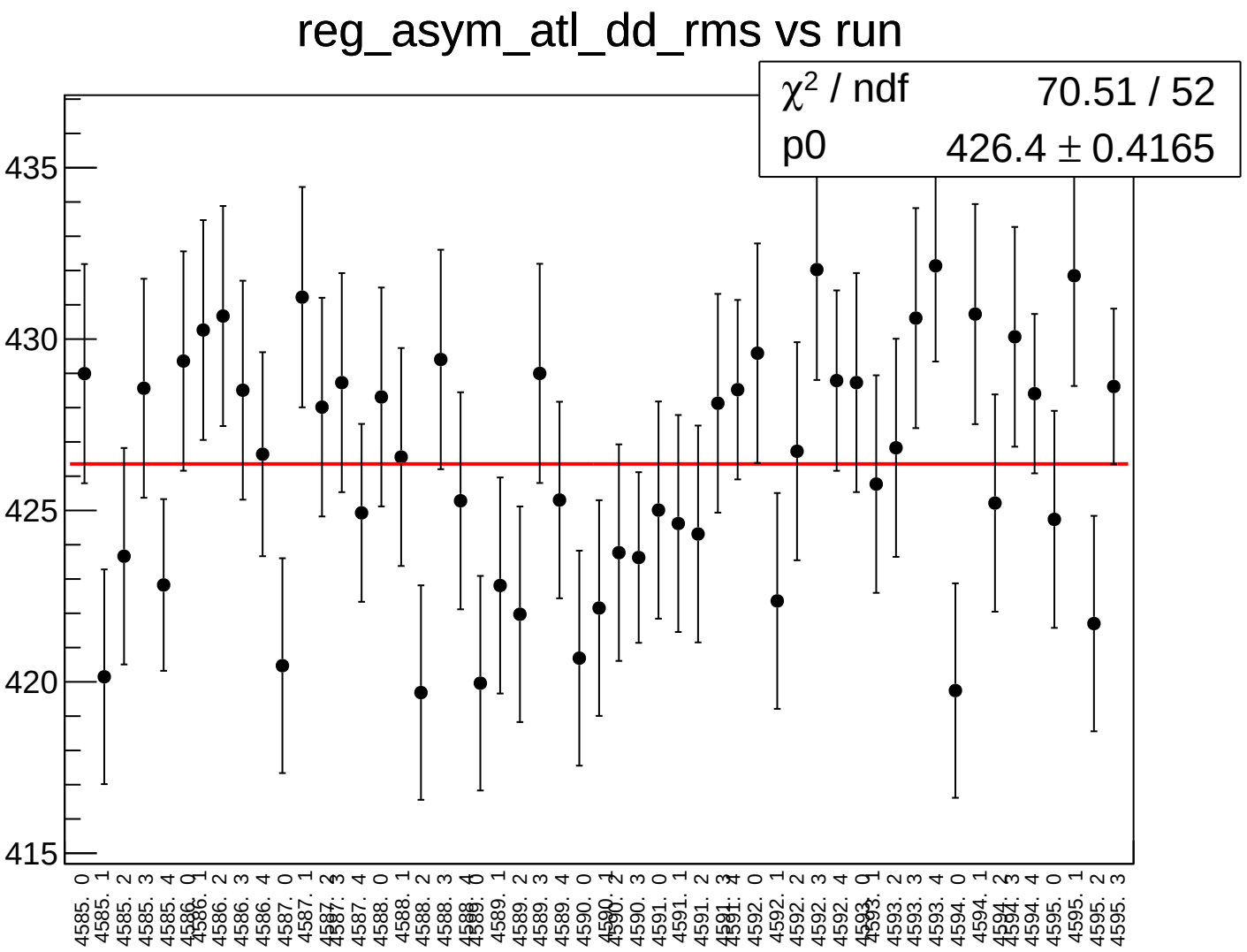

asym_atl_avg_mean vs run
χ² / ndf 49.71 / 52
p0 2217 ± 2281
pull
Entries 53
Mean 395
Std Dev 370.7

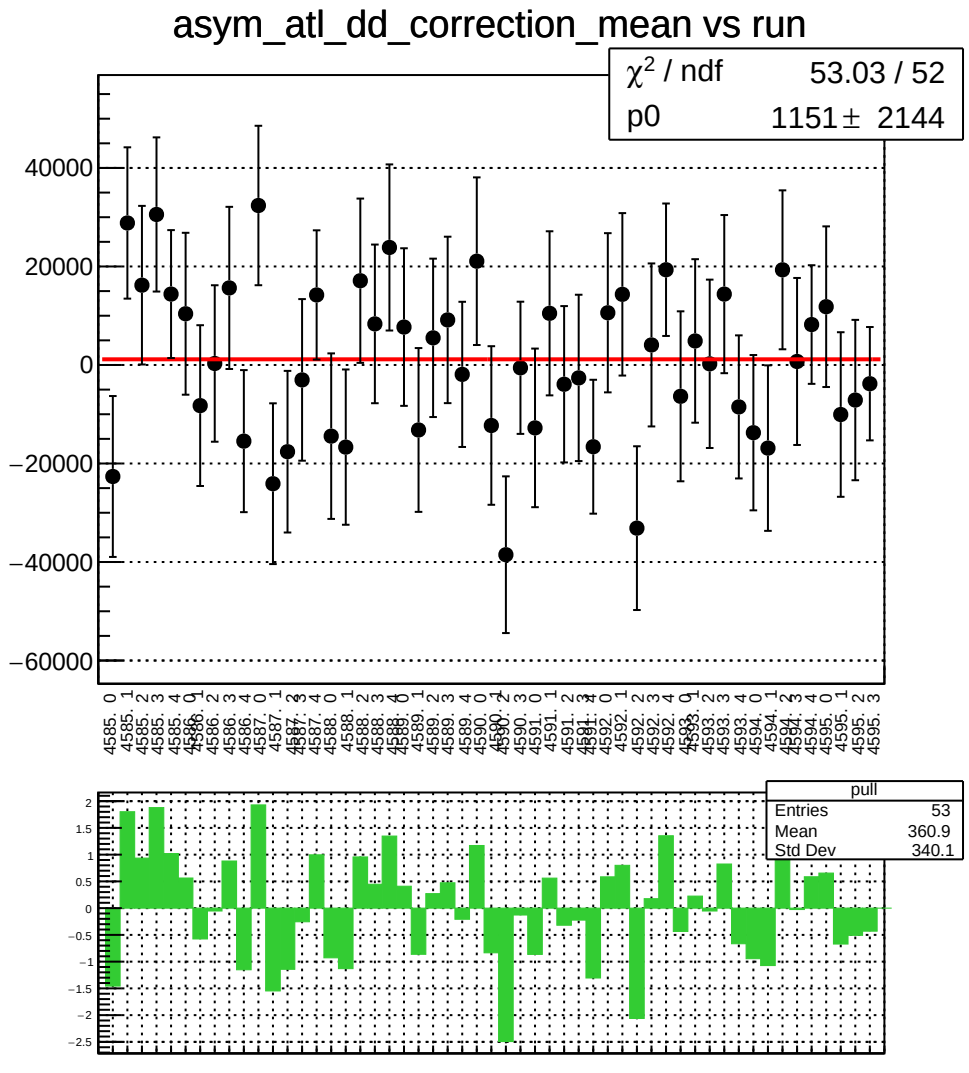

pull1D
Entries 53
Mean −0.008558
Std Dev 0.9684

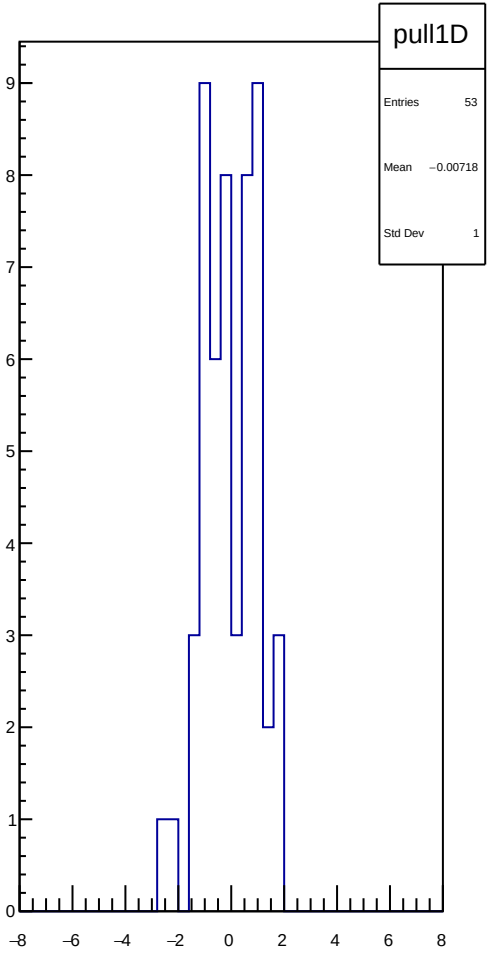

asym_atl_avg_rms vs run
χ² / ndf 1043 / 52
p0 1650 ± 1.613
1750
1700
1650
1600
1550
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

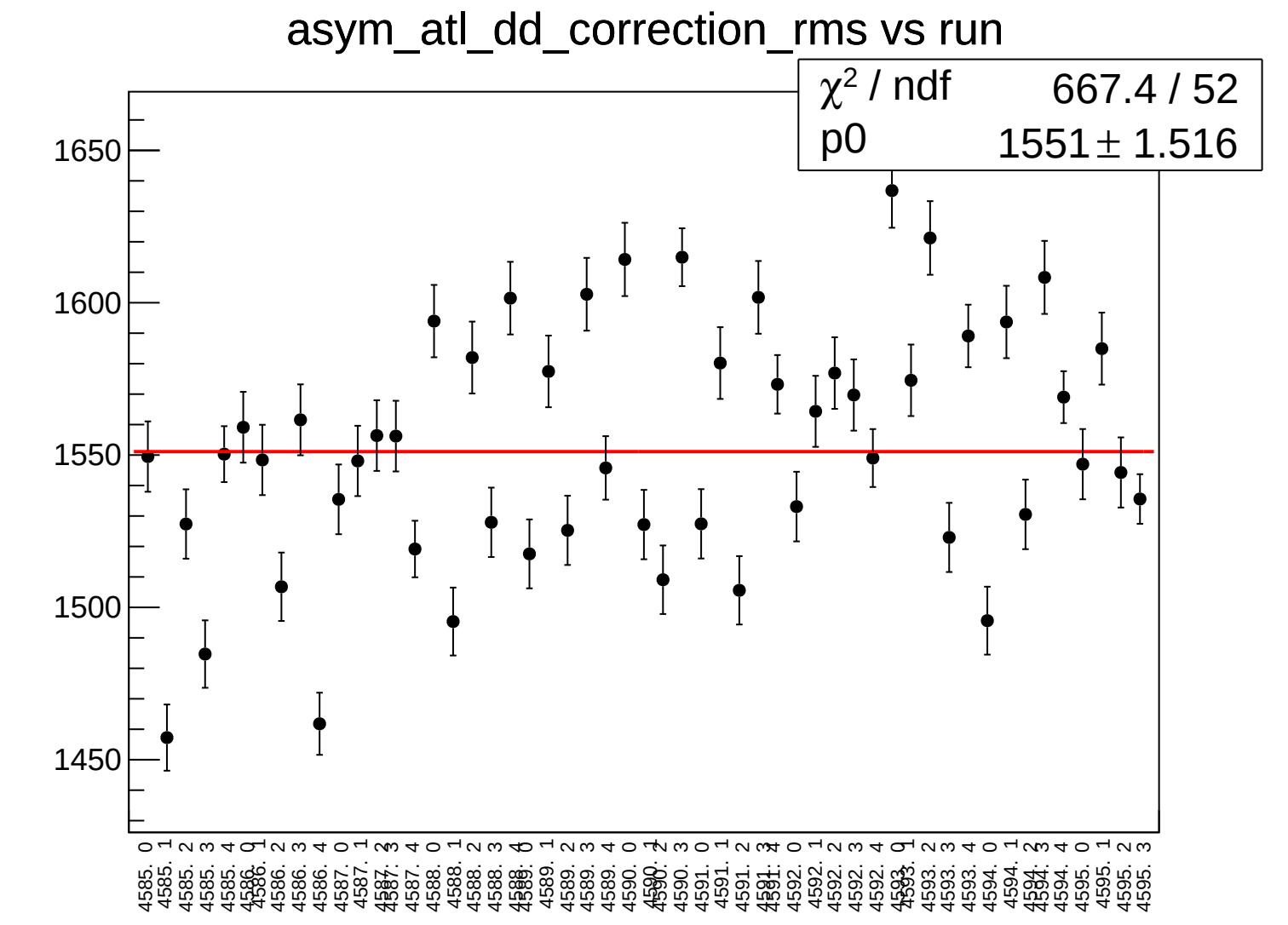

reg_asym_atl_dd_mean vs run
χ² / ndf 43.22 / 52
p0 416.7 ± 589.1
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −67.64
Std Dev 162.2
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean −0.003001
Std Dev 0.903
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_rms vs run
χ² / ndf 70.51 / 52
p0 426.4 ± 0.4165
435
430
425
420
415


asym_atl_dd_correction_mean vs run
χ² / ndf 53.03 / 52
p0 1151 ± 2144
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 360.9
Std Dev 340.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 53
Mean −0.00718
Std Dev 1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_correction_rms vs run
χ² / ndf 667.4 / 52
p0 1551 ± 1.516
1650
1600
1550
1500
1450
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
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4592. 0
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4592. 2
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4593. 2
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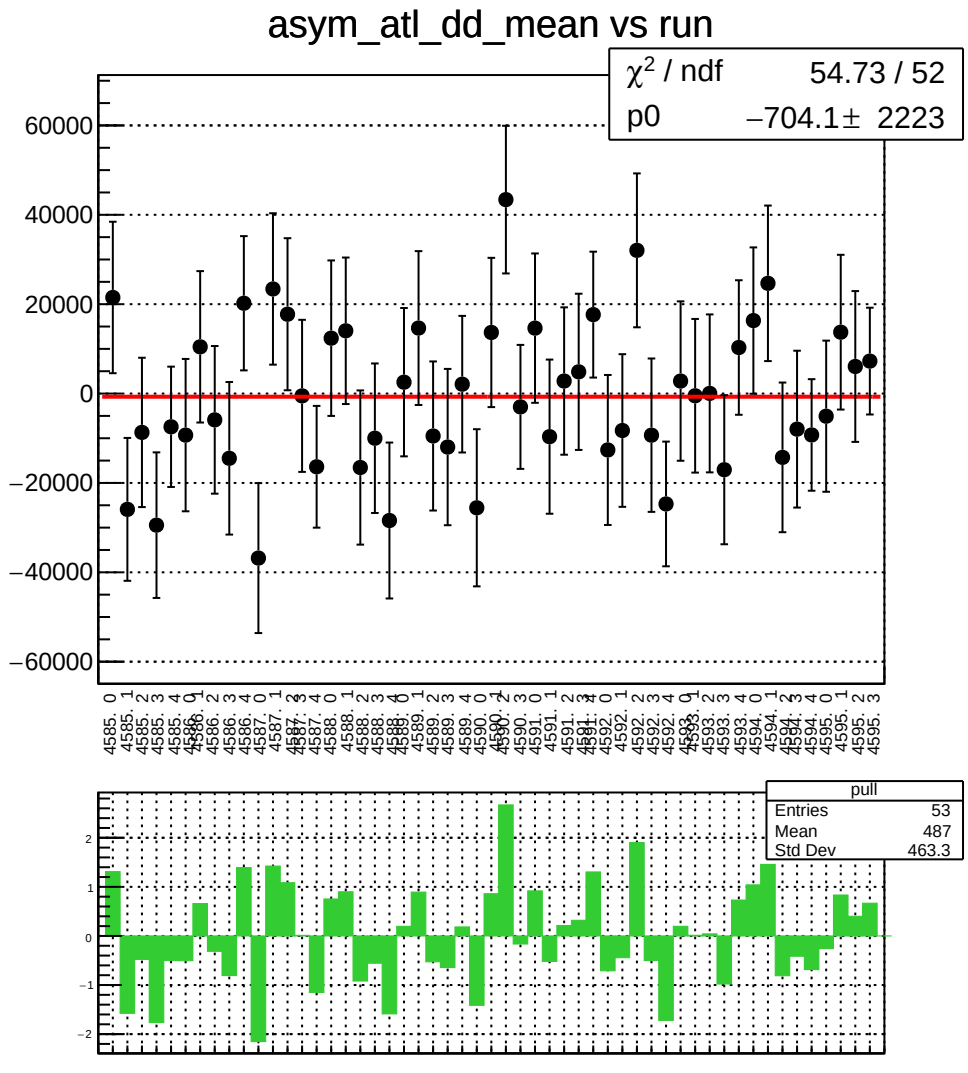
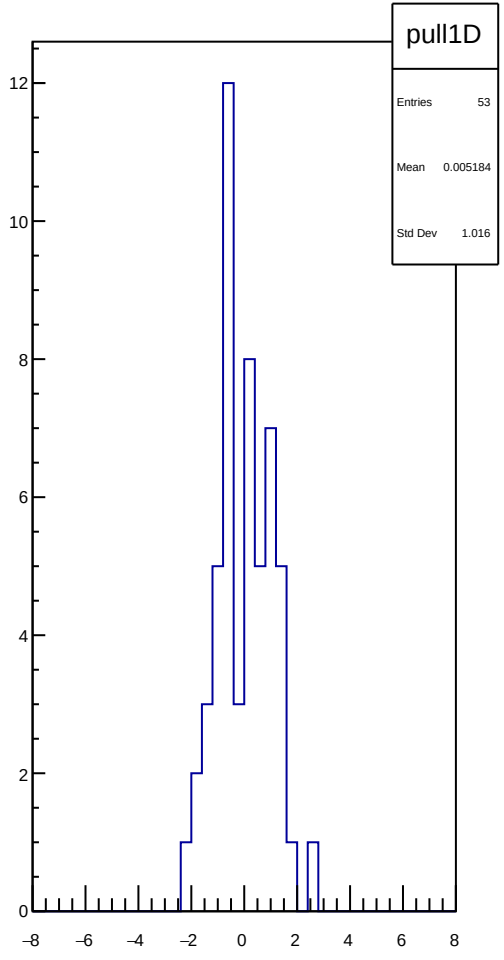
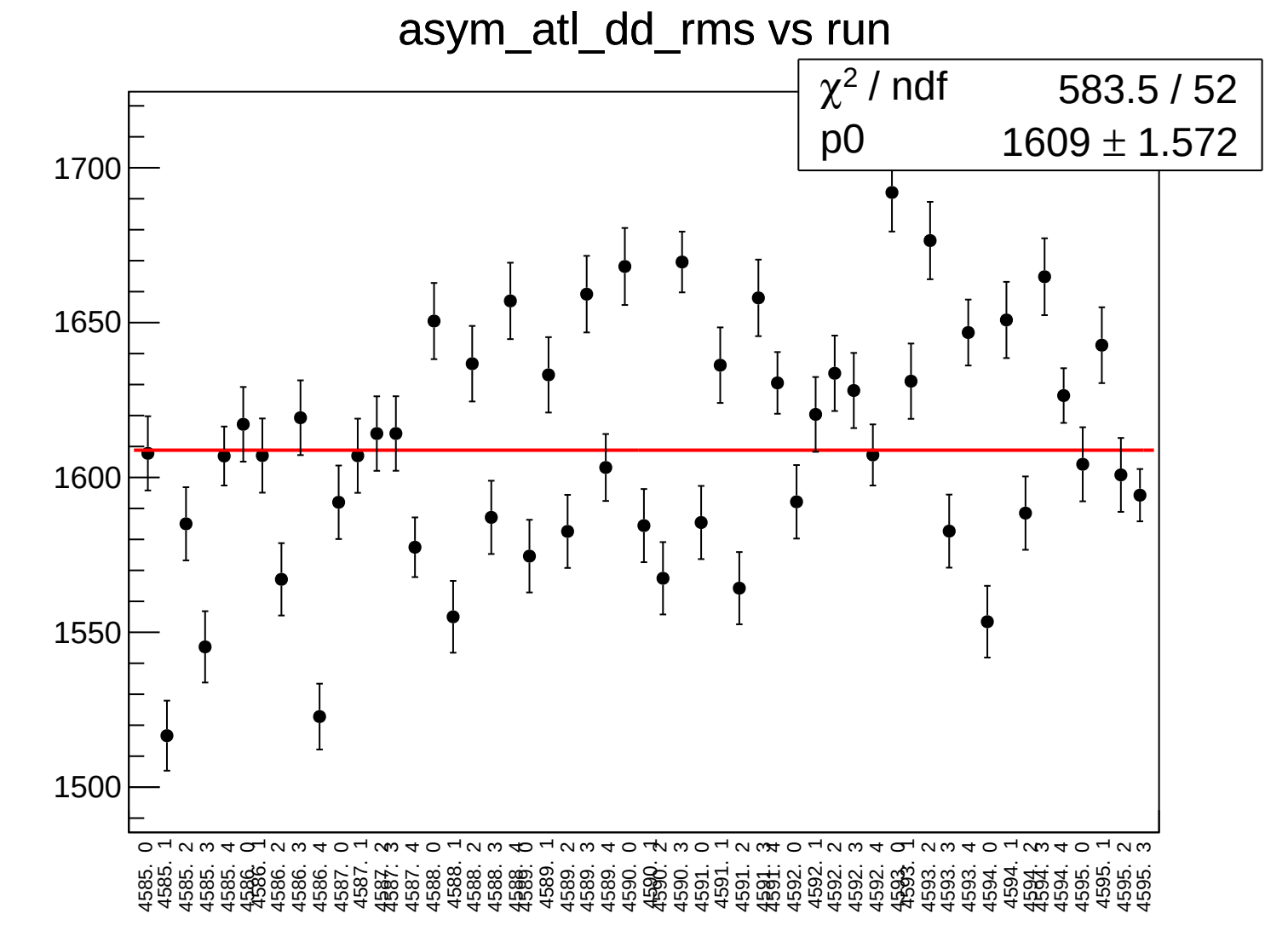
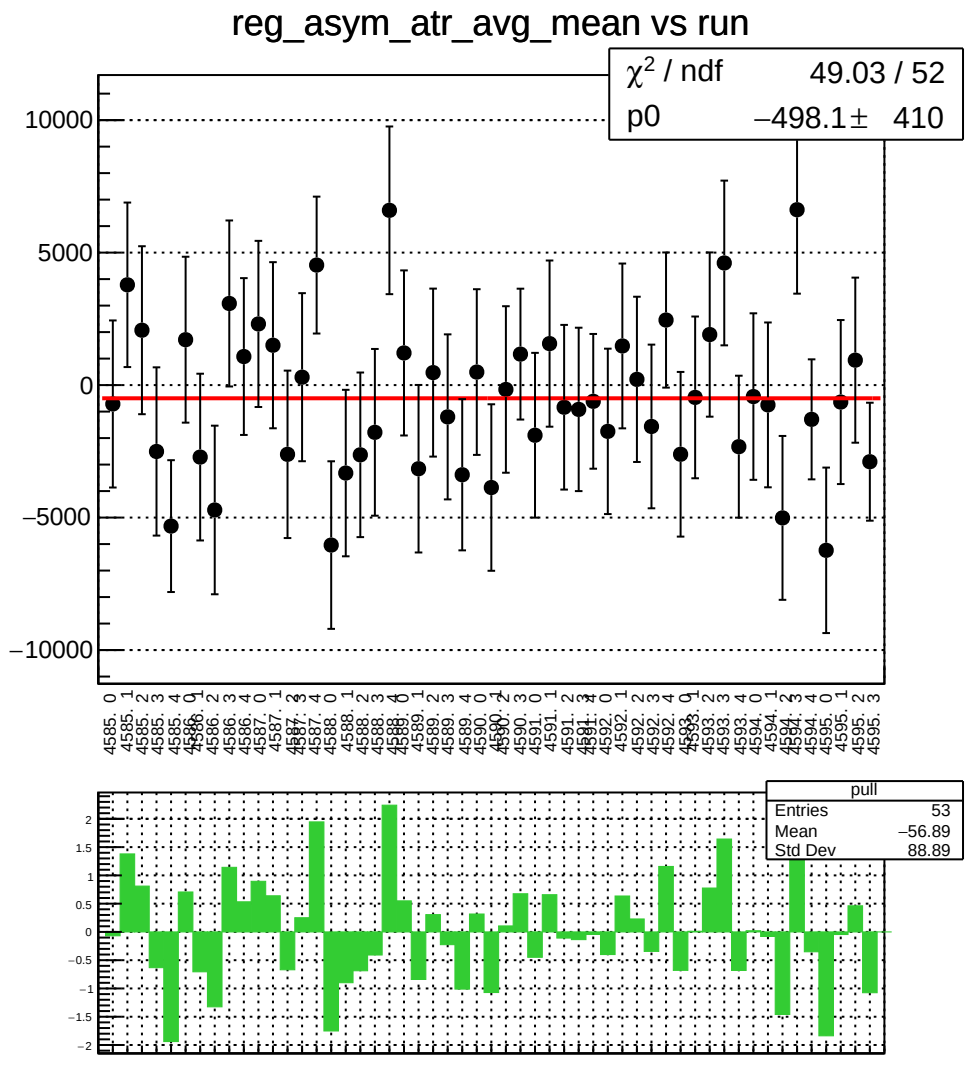
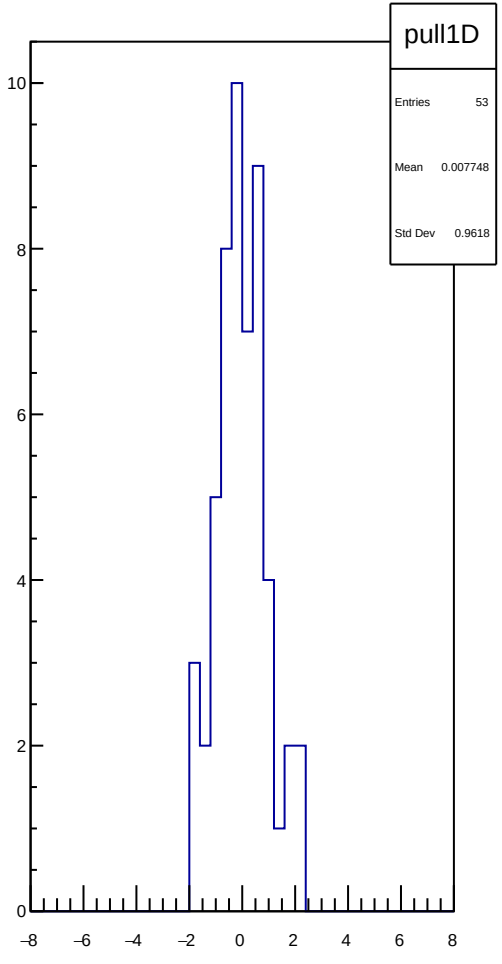
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

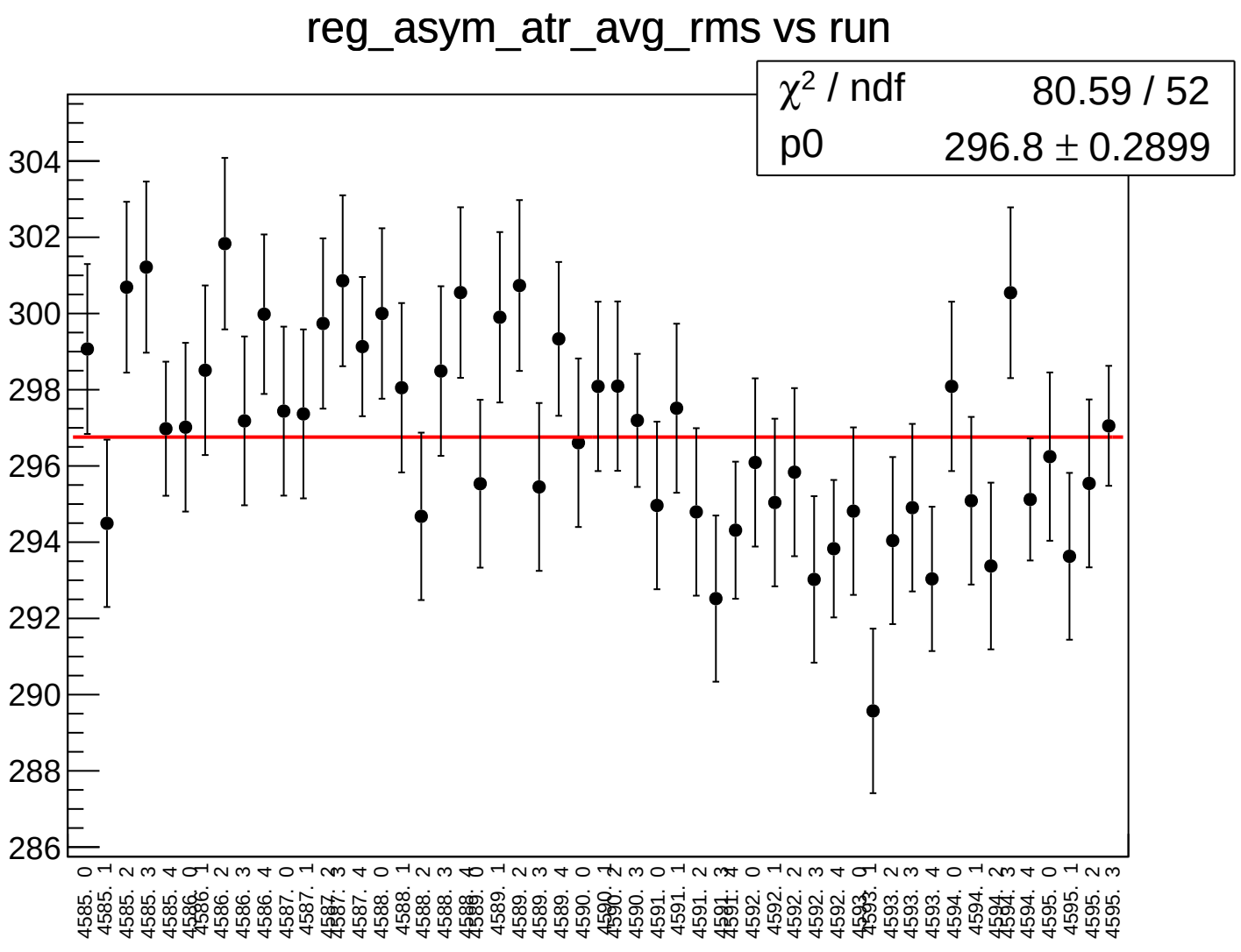

asym_atl_dd_mean vs run
χ² / ndf 54.73 / 52
p0 −704.1± 2223
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 487
Std Dev 463.3
2
1
0
−1
−2

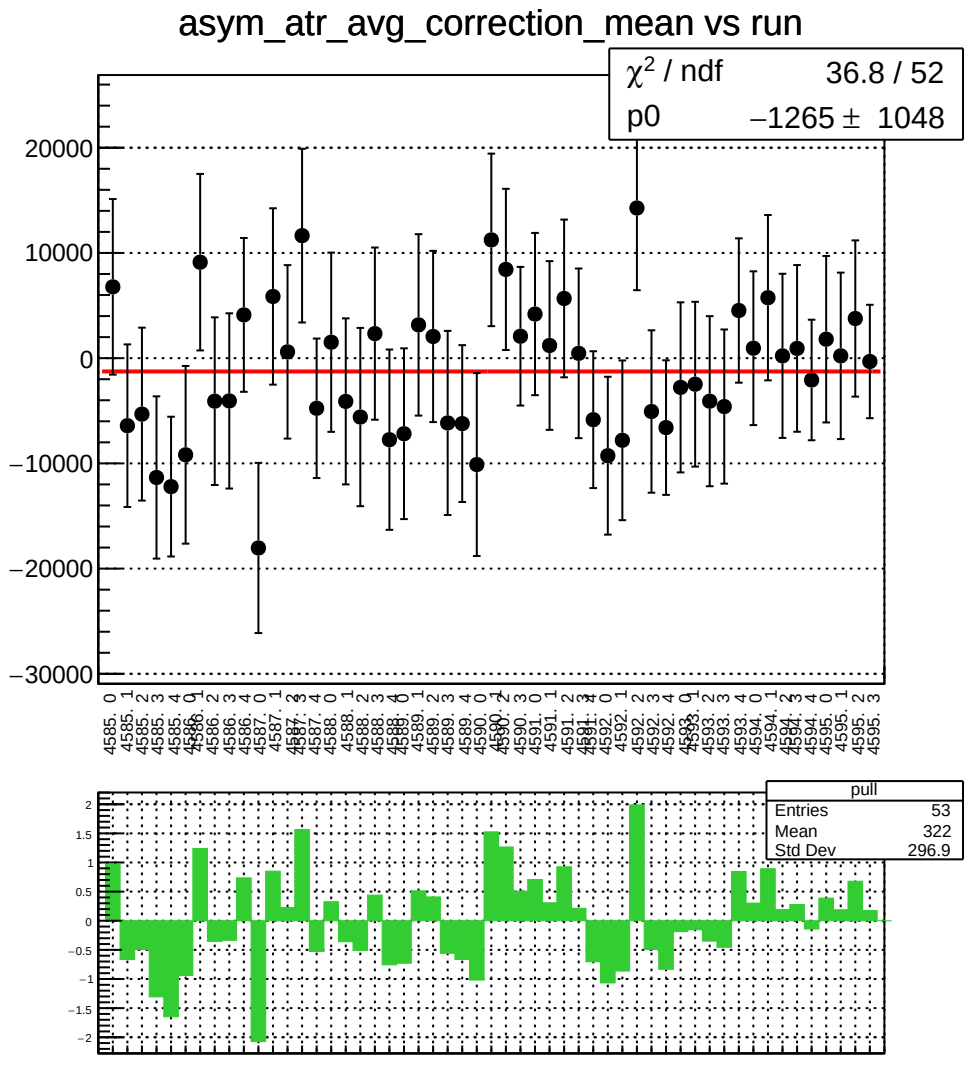

pull1D
Entries 53
Mean 0.005184
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

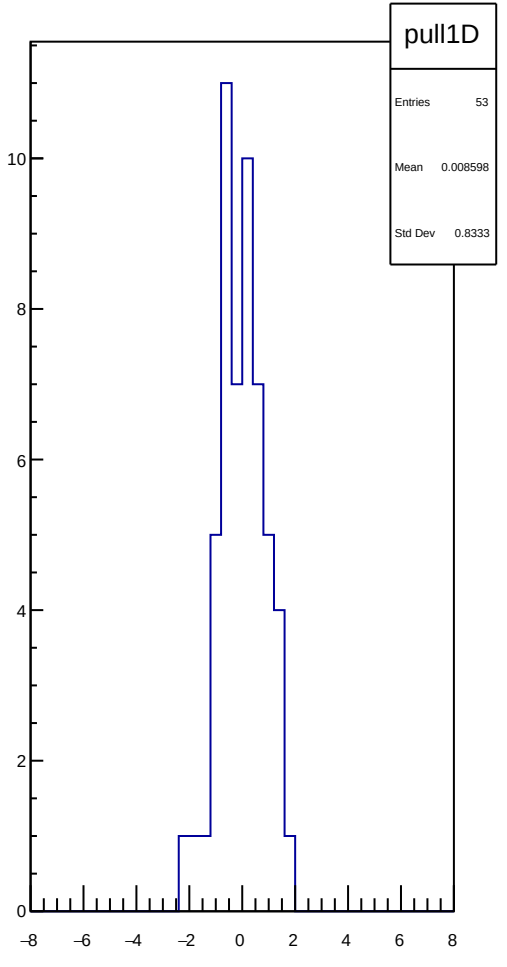

asym_atl_dd_rms vs run
χ² / ndf 583.5 / 52
p0 1609 ± 1.572
1700
1650
1600
1550
1500
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

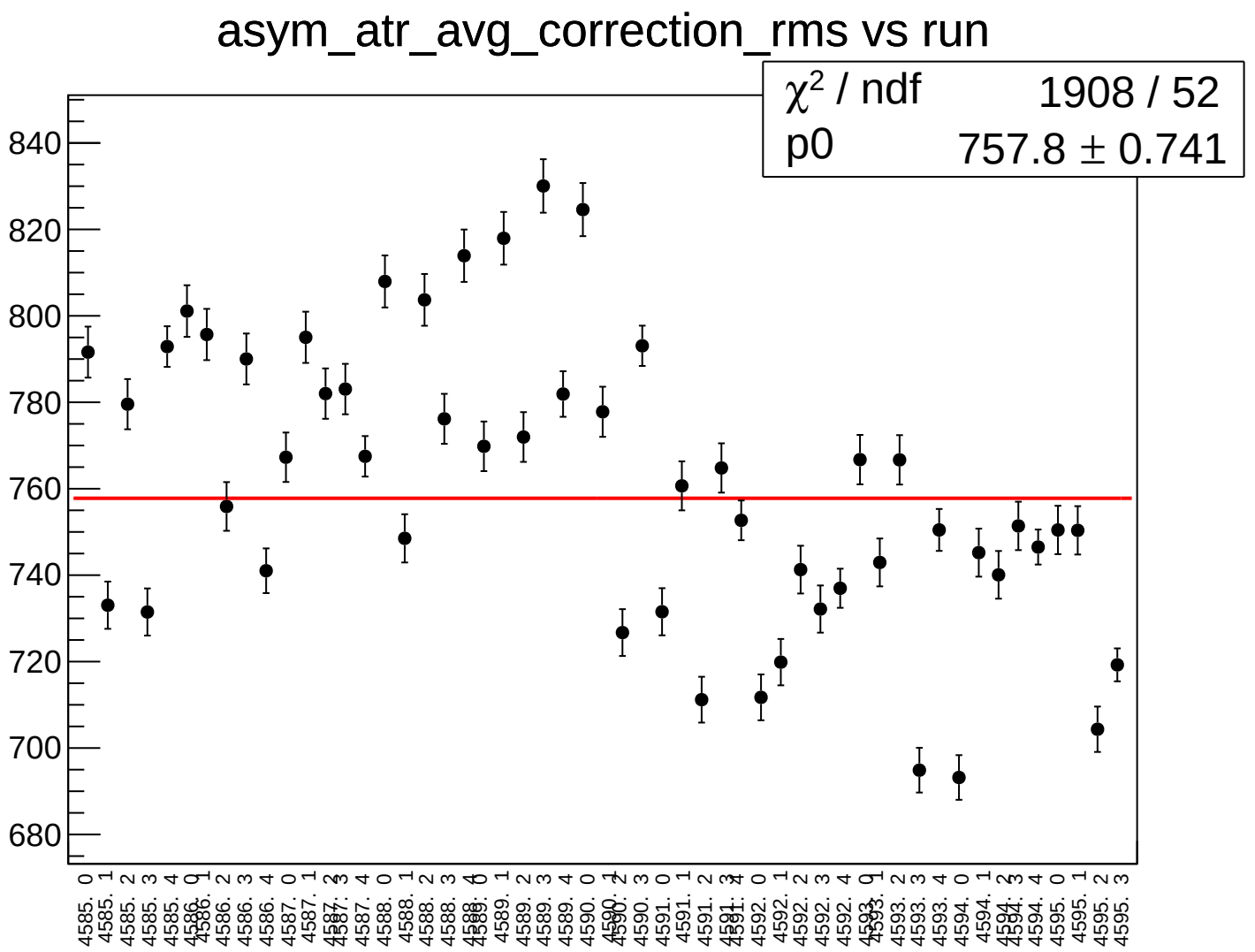

reg_asym_atr_avg_mean vs run
χ² / ndf 49.03 / 52
p0 −498.1± 410
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −56.89
Std Dev 88.89
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

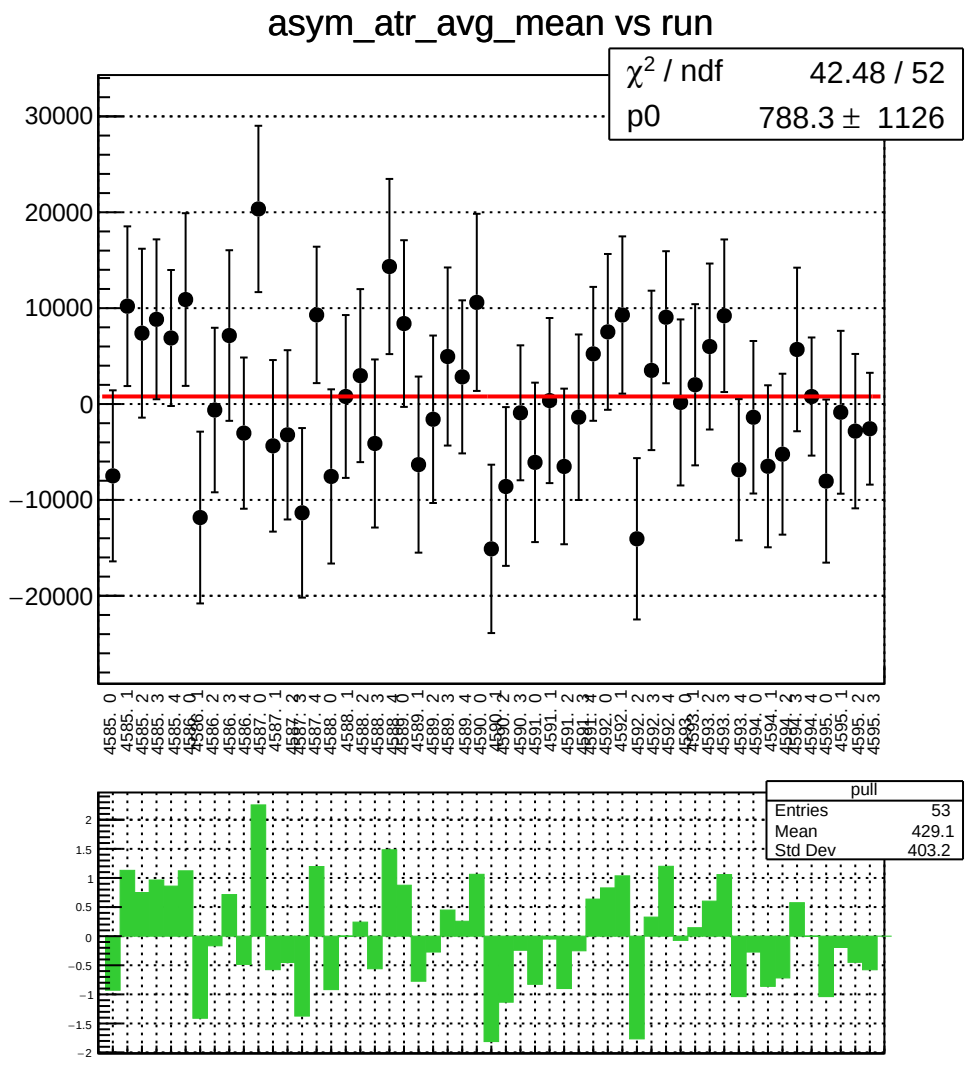

pull1D
Entries 53
Mean 0.007748
Std Dev 0.9618
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

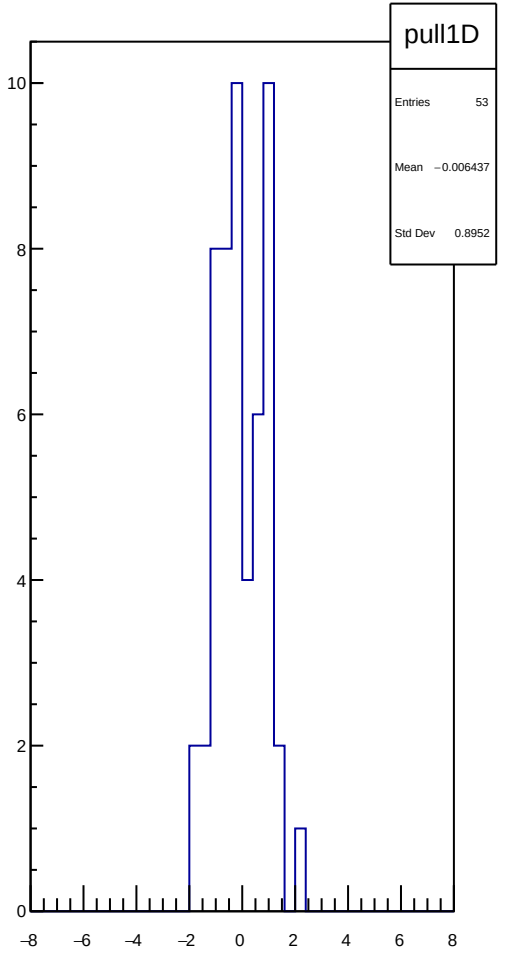

reg_asym_atr_avg_rms vs run
χ² / ndf 80.59 / 52
p0 296.8 ± 0.2899
304
302
300
298
296
294
292
290
288
286

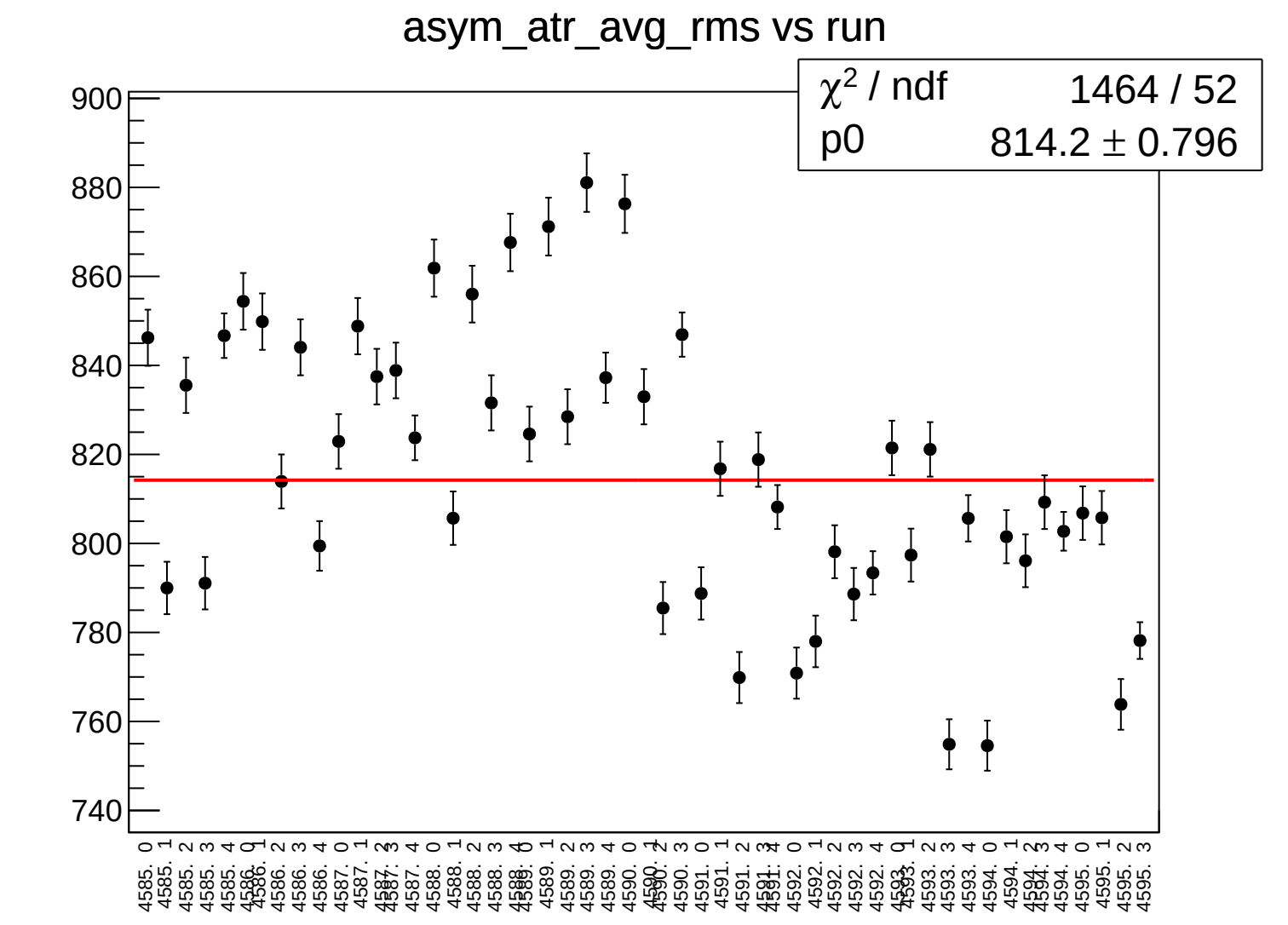

asym_atr_avg_correction_mean vs run
χ² / ndf 36.8 / 52
p0 −1265 ± 1048
pull
Entries 53
Mean 322
Std Dev 296.9

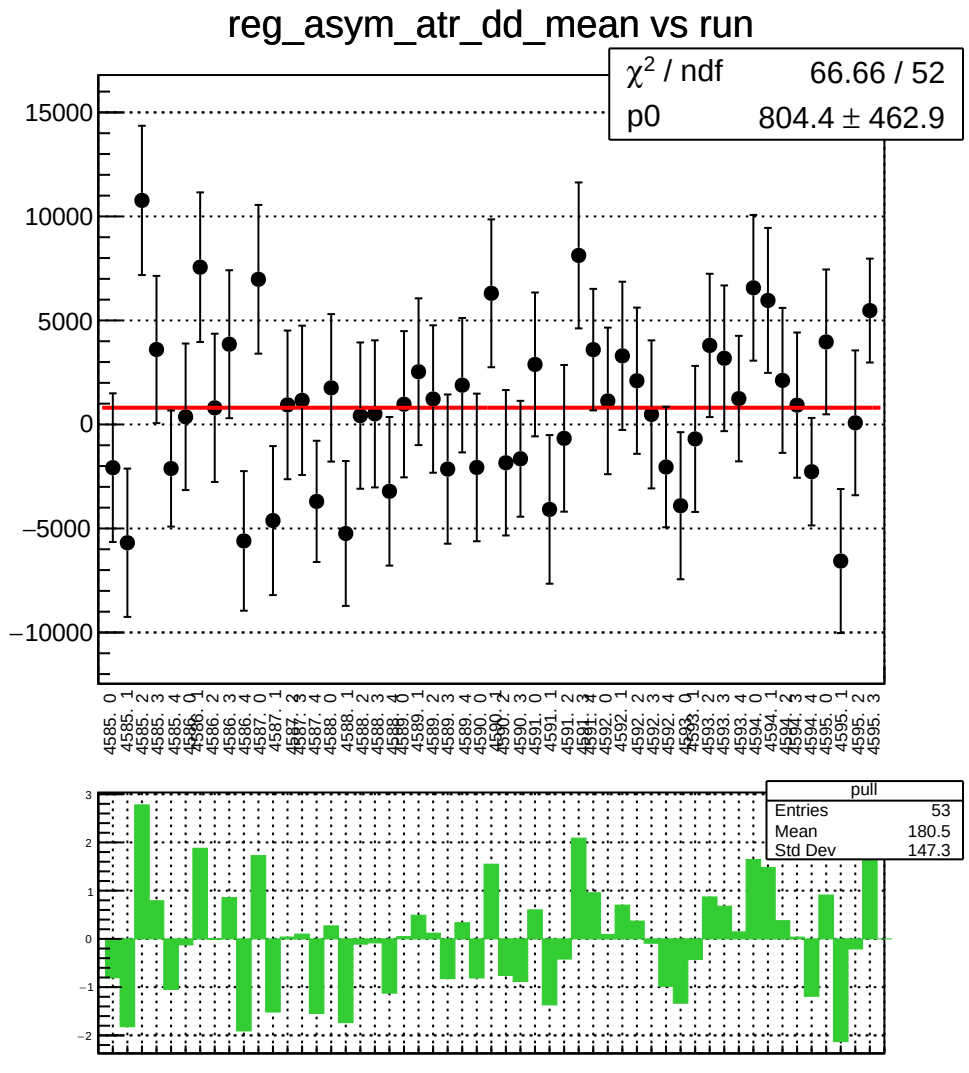

pull1D
Entries 53
Mean 0.008598
Std Dev 0.8333

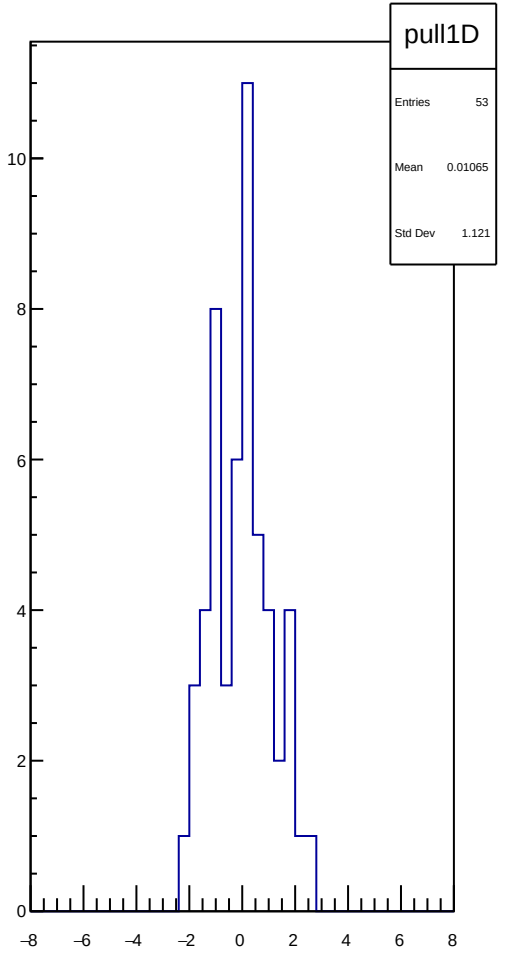

asym_atr_avg_correction_rms vs run
χ² / ndf 1908 / 52
p0 757.8 ± 0.741
840
820
800
780
760
740
720
700
680
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

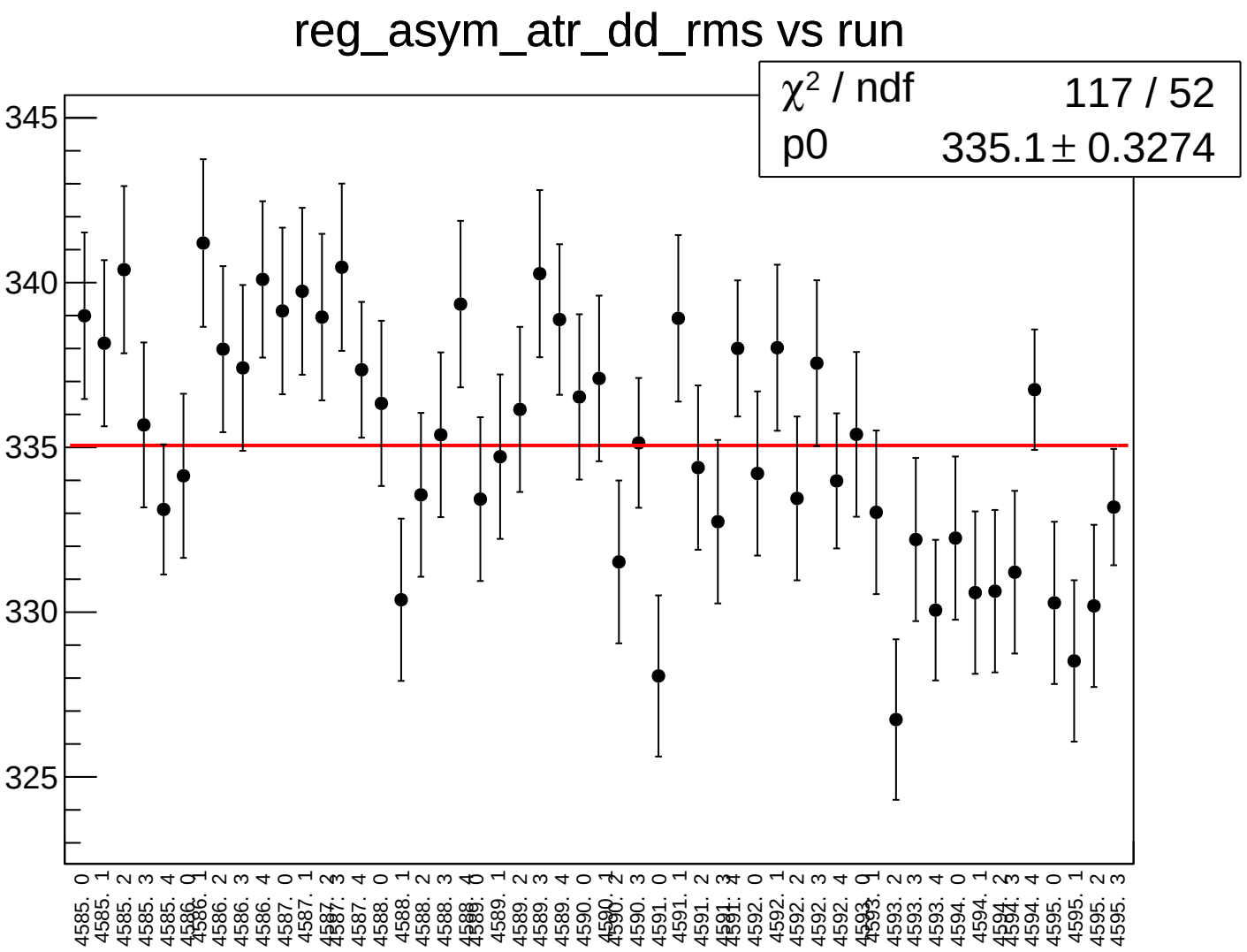

asym_atr_avg_mean vs run
χ² / ndf 42.48 / 52
p0 788.3 ± 1126
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 429.1
Std Dev 403.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

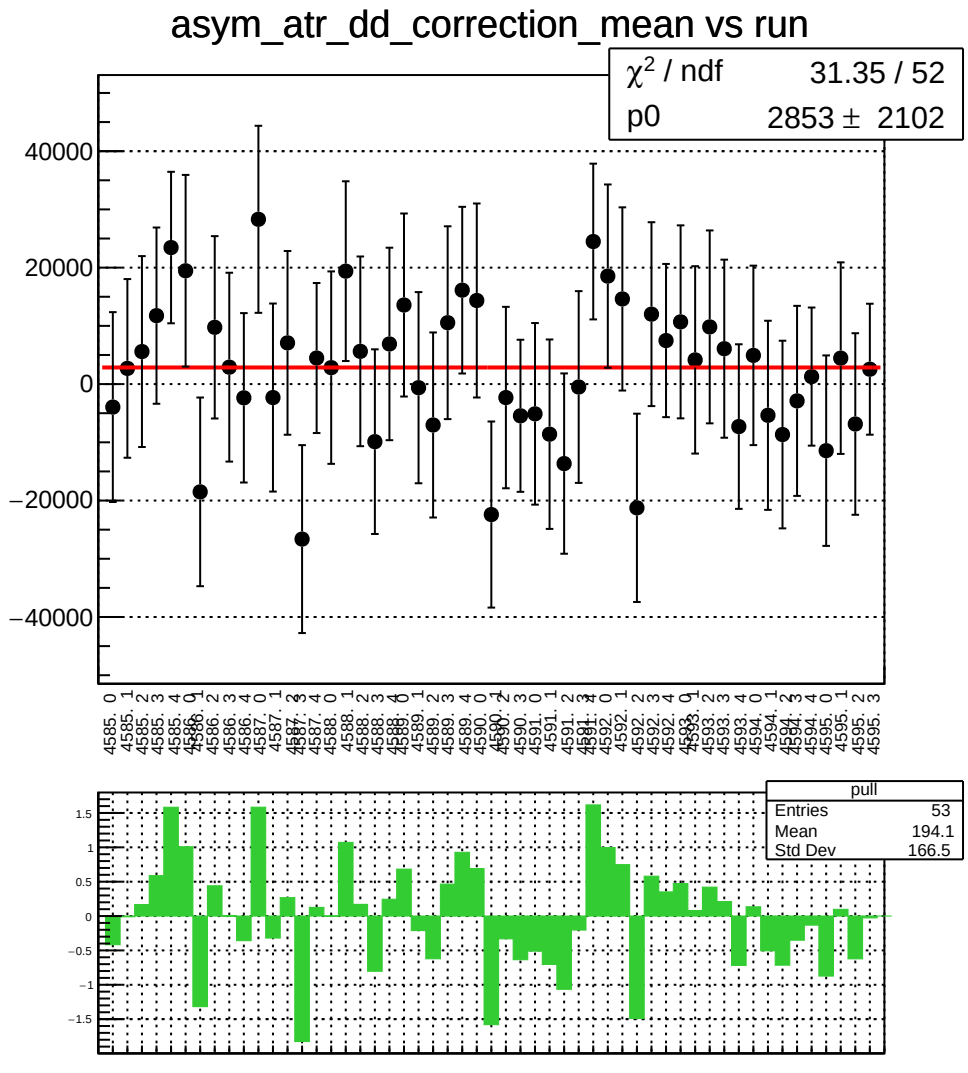

pull1D
Entries 53
Mean −0.006437
Std Dev 0.8952
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

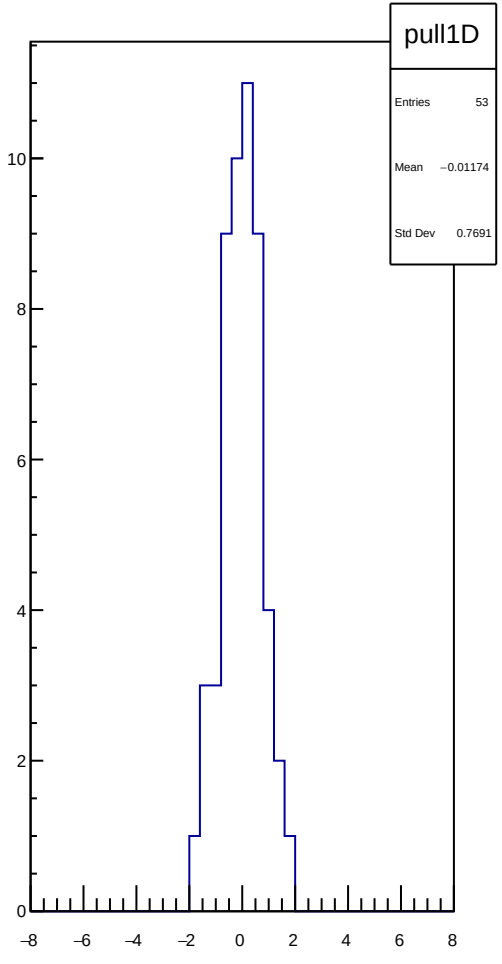

asym_atr_avg_rms vs run
χ^2 / ndf 1464 / 52
p0 814.2 ± 0.796
900
880
860
840
820
800
780
760
740
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

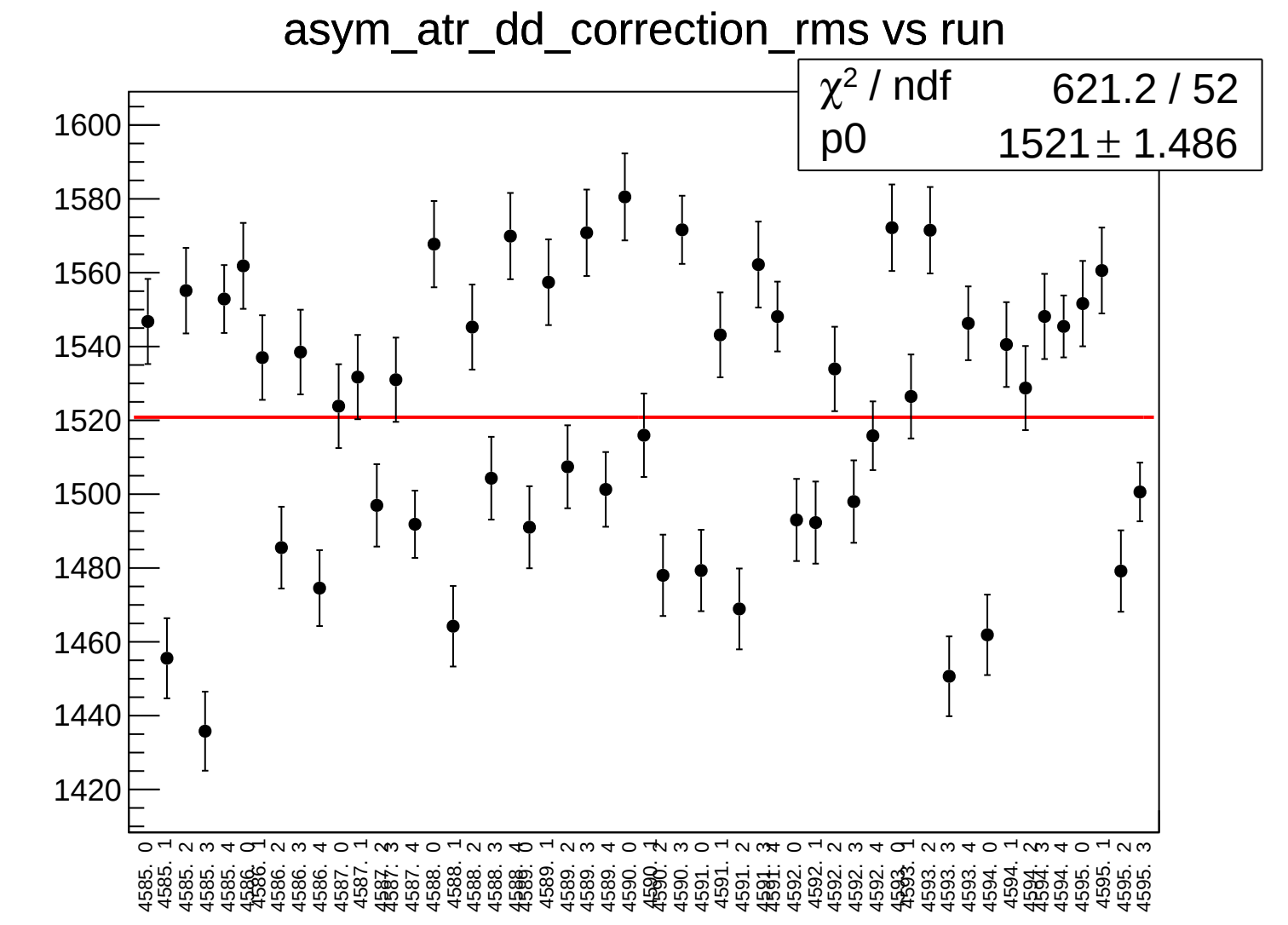

reg_asym_atr_dd_mean vs run
χ² / ndf 66.66 / 52
p0 804.4 ± 462.9
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 180.5
Std Dev 147.3
3
2
1
0
−1
−2

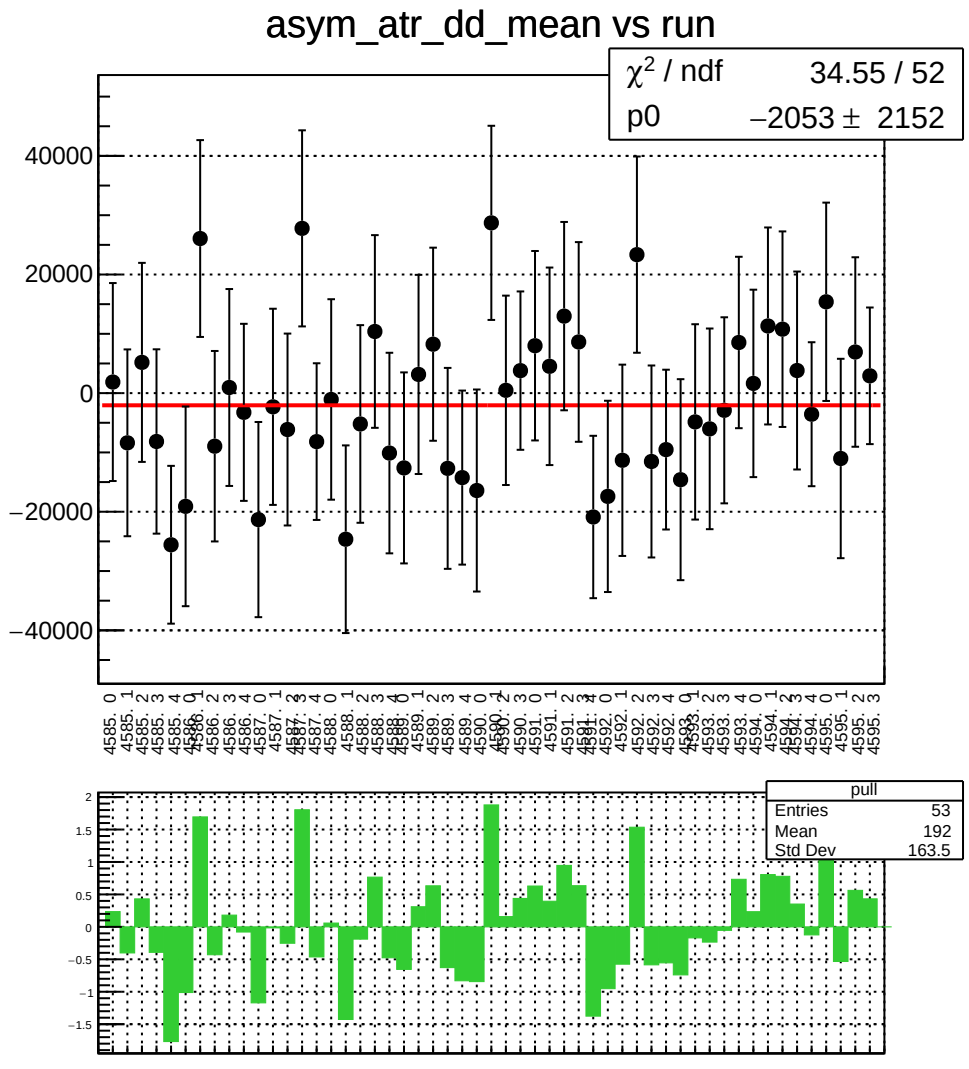

pull1D
Entries 53
Mean 0.01065
Std Dev 1.121
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

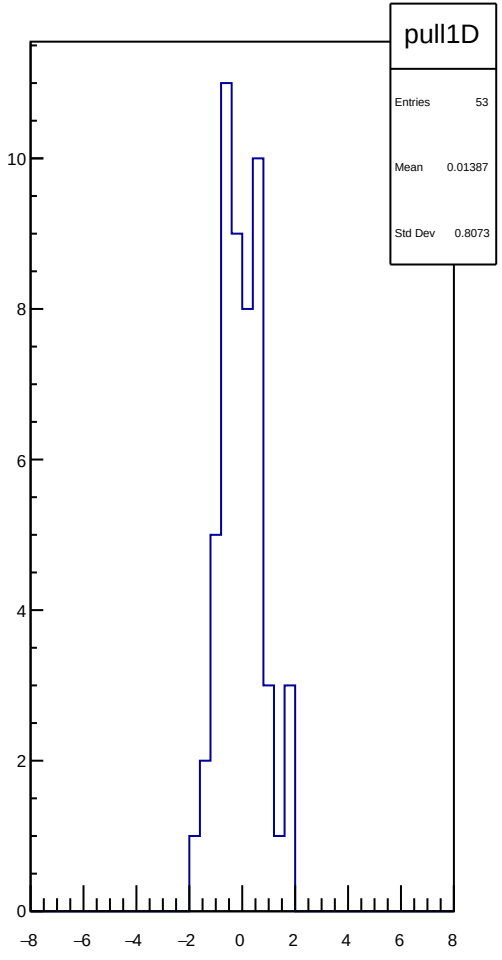

reg_asym_atr_dd_rms vs run
χ² / ndf 117 / 52
p0 335.1 ± 0.3274
345
340
335
330
325
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

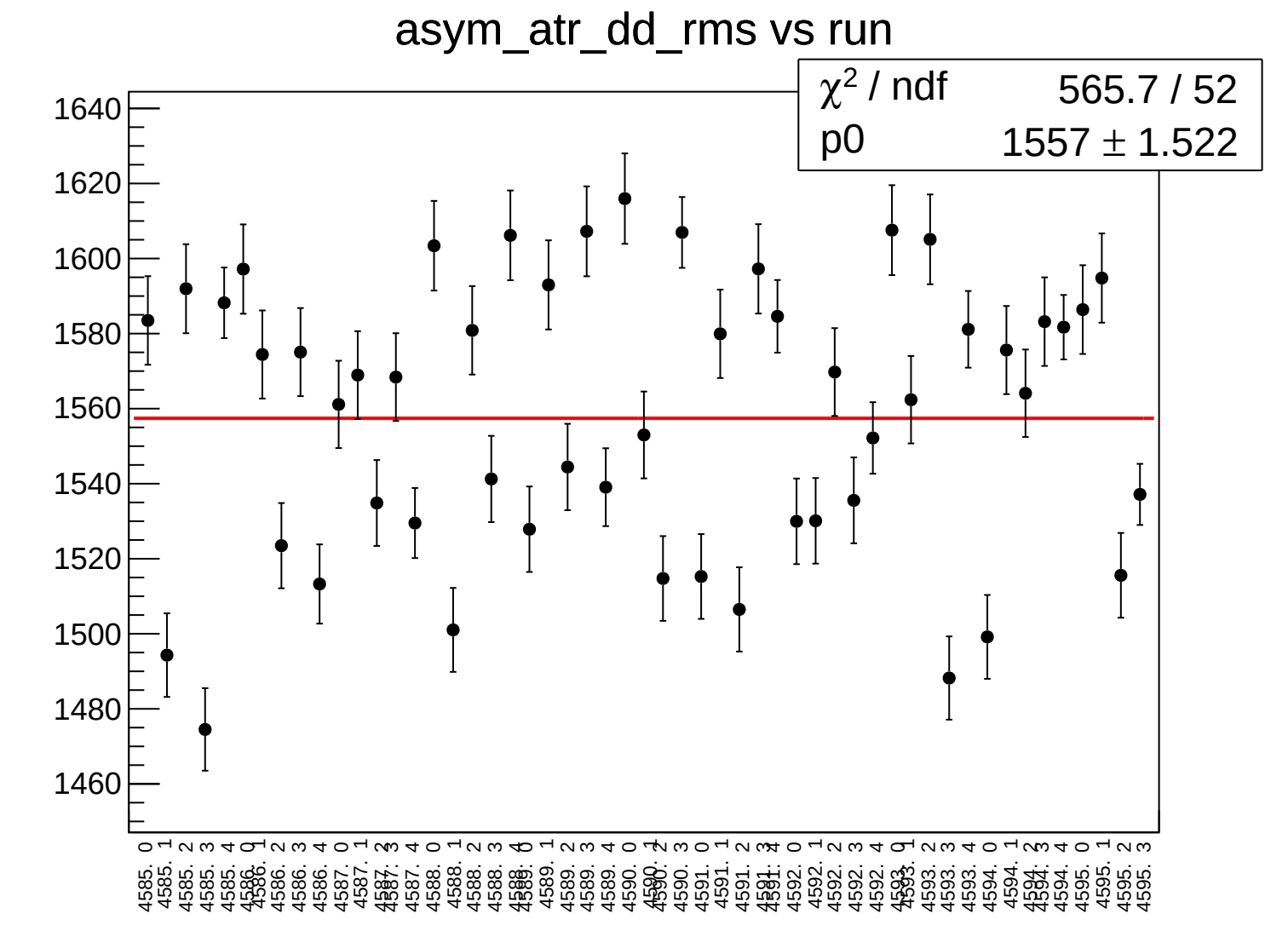

asym_atr_dd_correction_mean vs run
χ² / ndf 31.35 / 52
p0 2853 ± 2102
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 194.1
Std Dev 166.5
1.5
1
0.5
0
−0.5
−1
−1.5

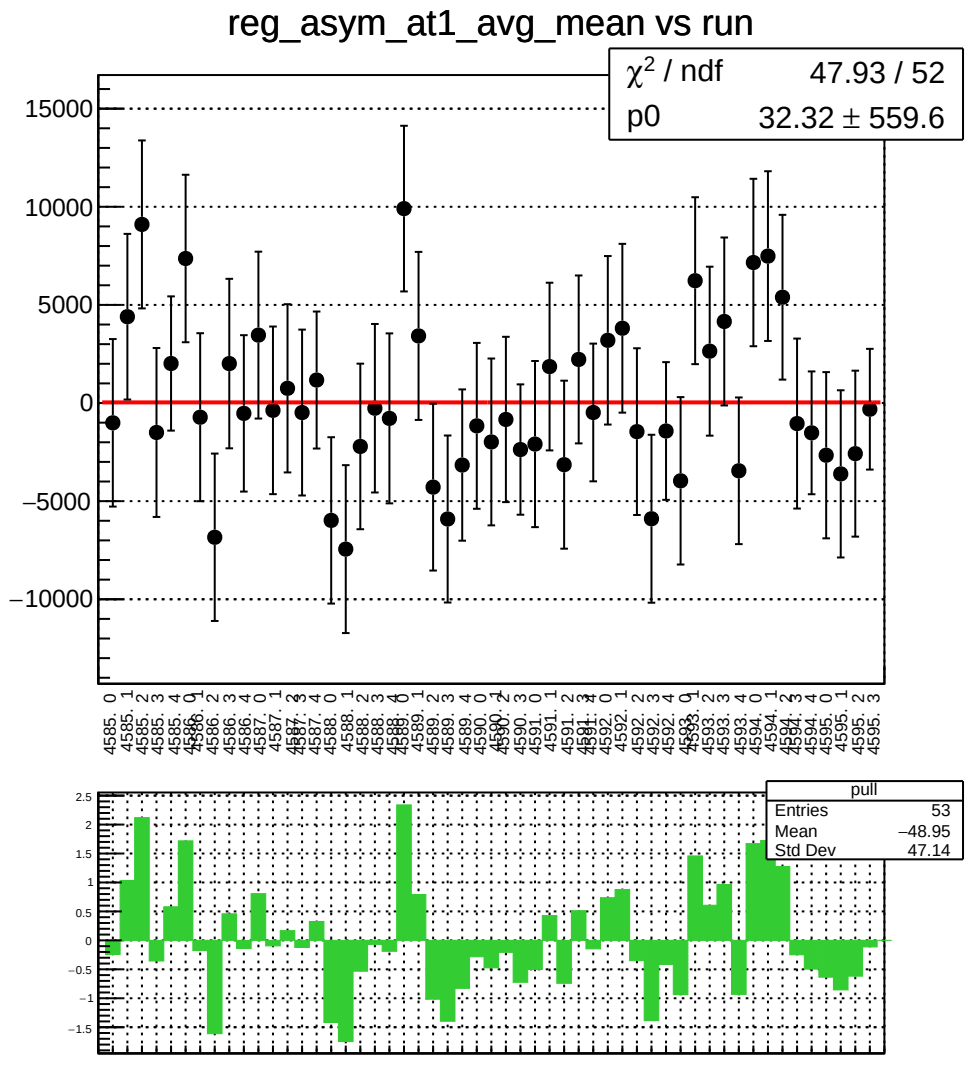

pull1D
Entries 53
Mean −0.01174
Std Dev 0.7691
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

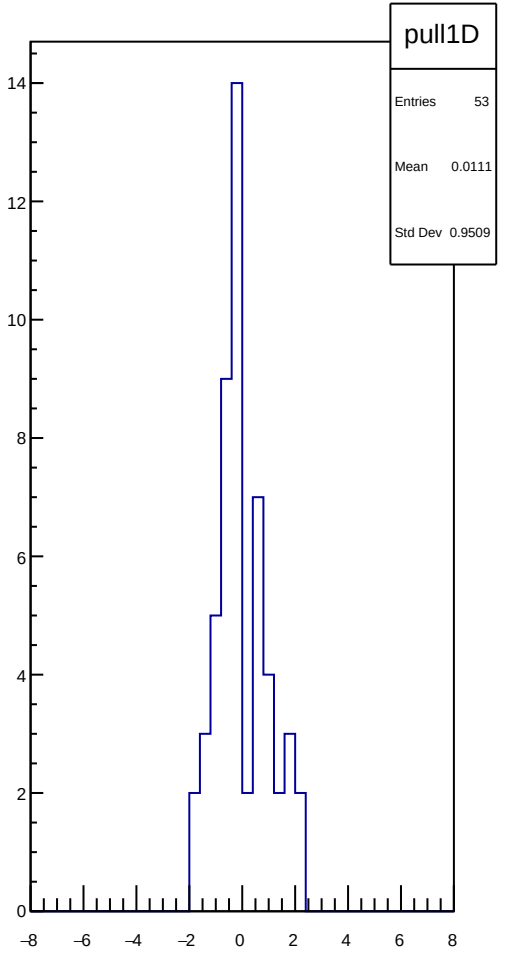

asym_atr_dd_correction_rms vs run
χ² / ndf 621.2 / 52
p0 1521 ± 1.486
1600
1580
1560
1540
1520
1500
1480
1460
1440
1420
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4588. 0
4588. 1
4588. 2
4588. 3
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 3
4591. 0
4591. 1
4591. 2
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

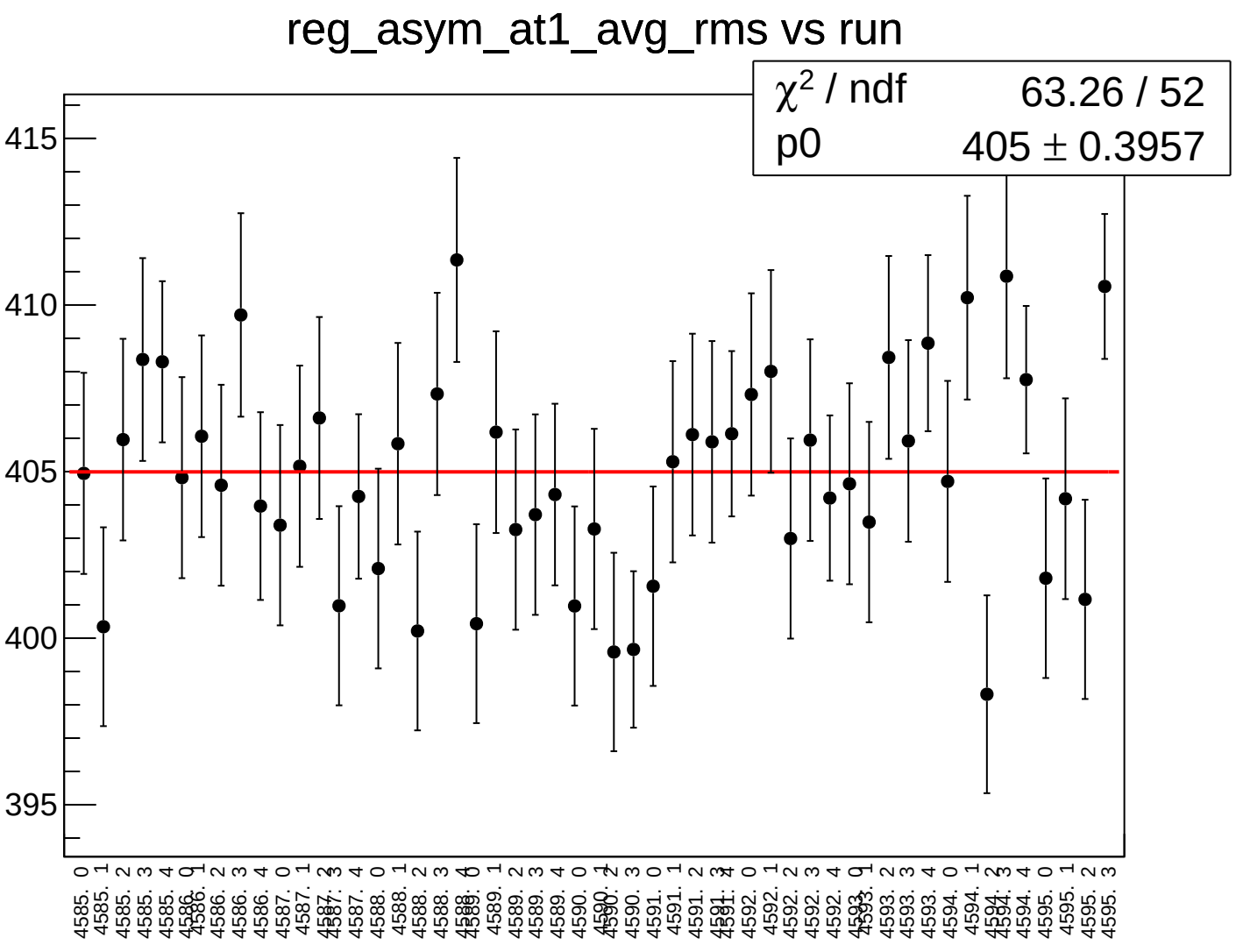

asym_atr_dd_mean vs run
χ² / ndf 34.55 / 52
p0 −2053 ± 2152
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 192
Std Dev 163.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

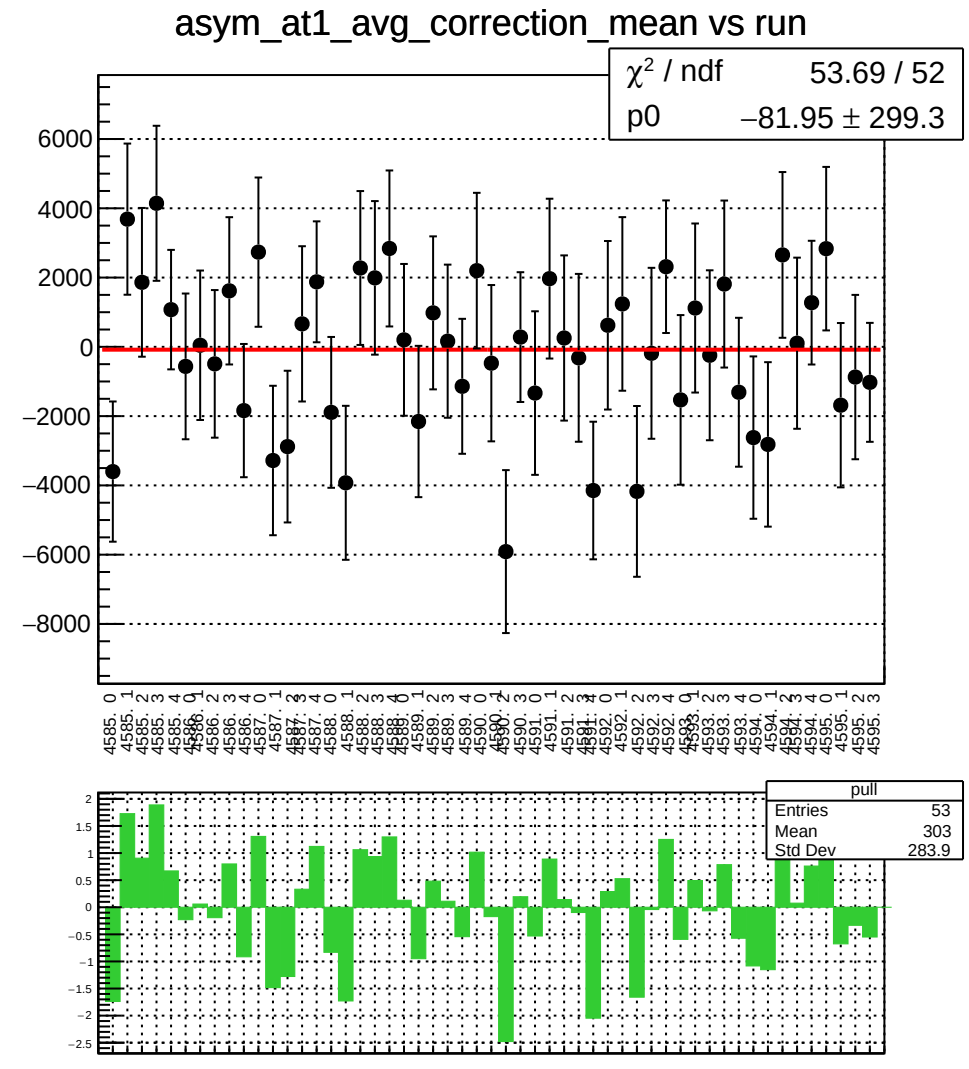

pull1D
Entries 53
Mean 0.01387
Std Dev 0.8073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

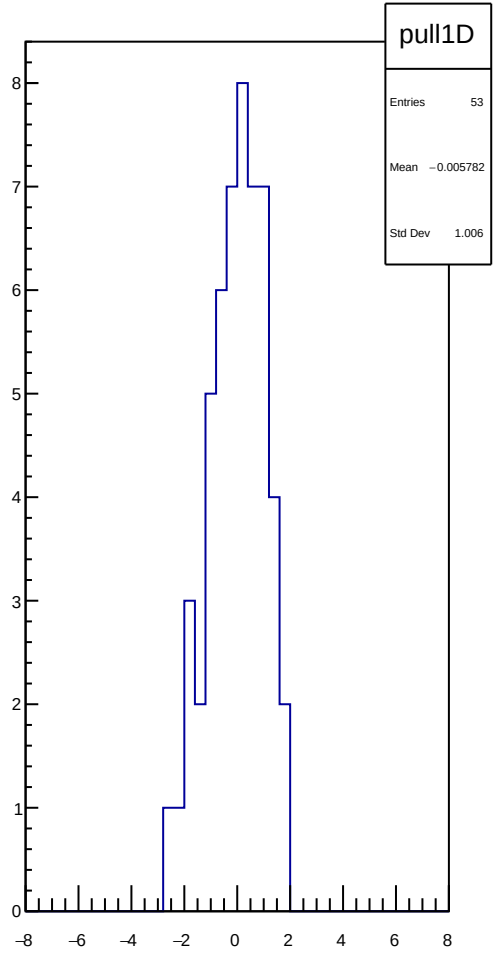

asym_atr_dd_rms vs run
χ² / ndf 565.7 / 52
p0 1557 ± 1.522
1640
1620
1600
1580
1560
1540
1520
1500
1480
1460
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

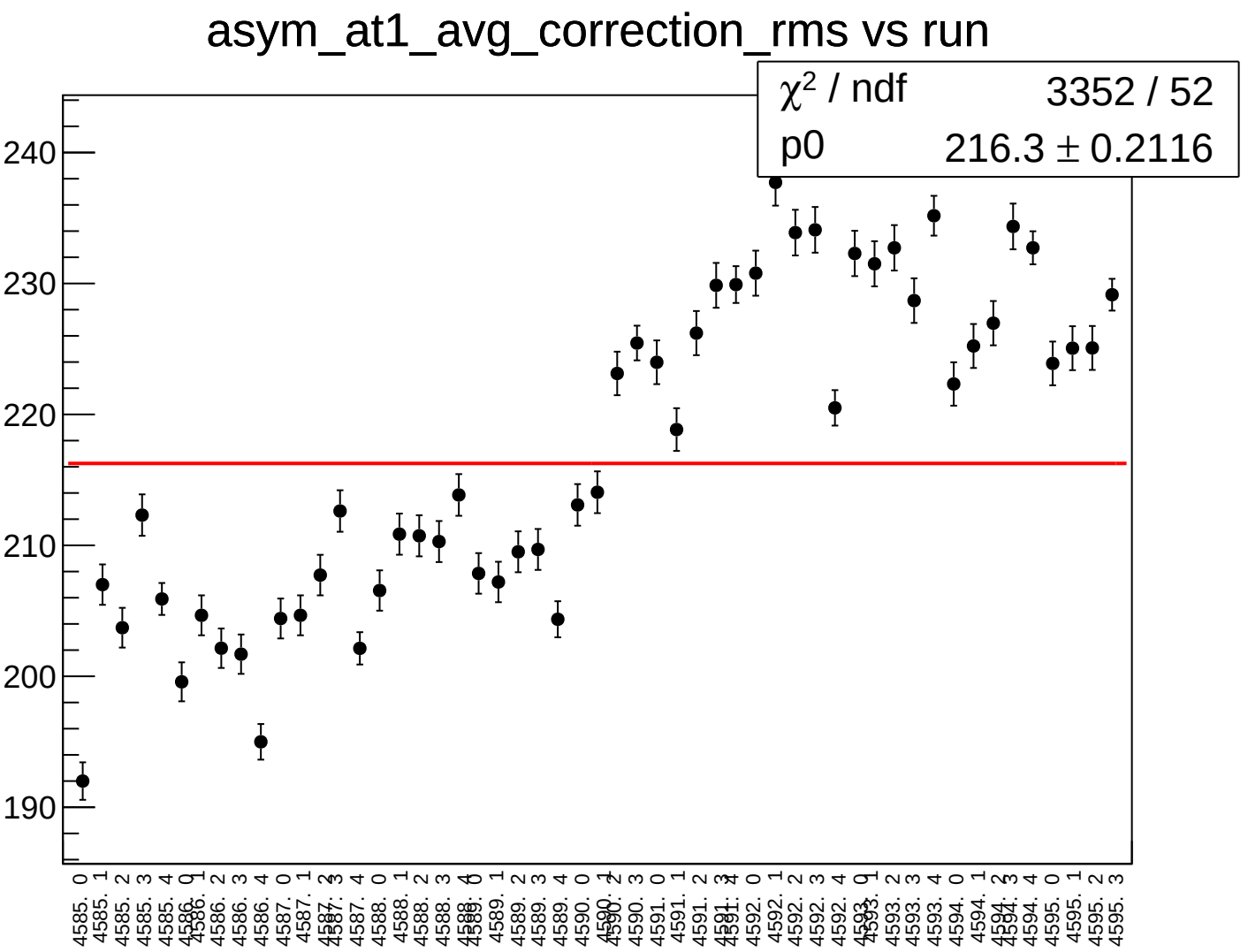

reg_asym_at1_avg_mean vs run
χ² / ndf 47.93 / 52
p0 32.32 ± 559.6
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −48.95
Std Dev 47.14
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

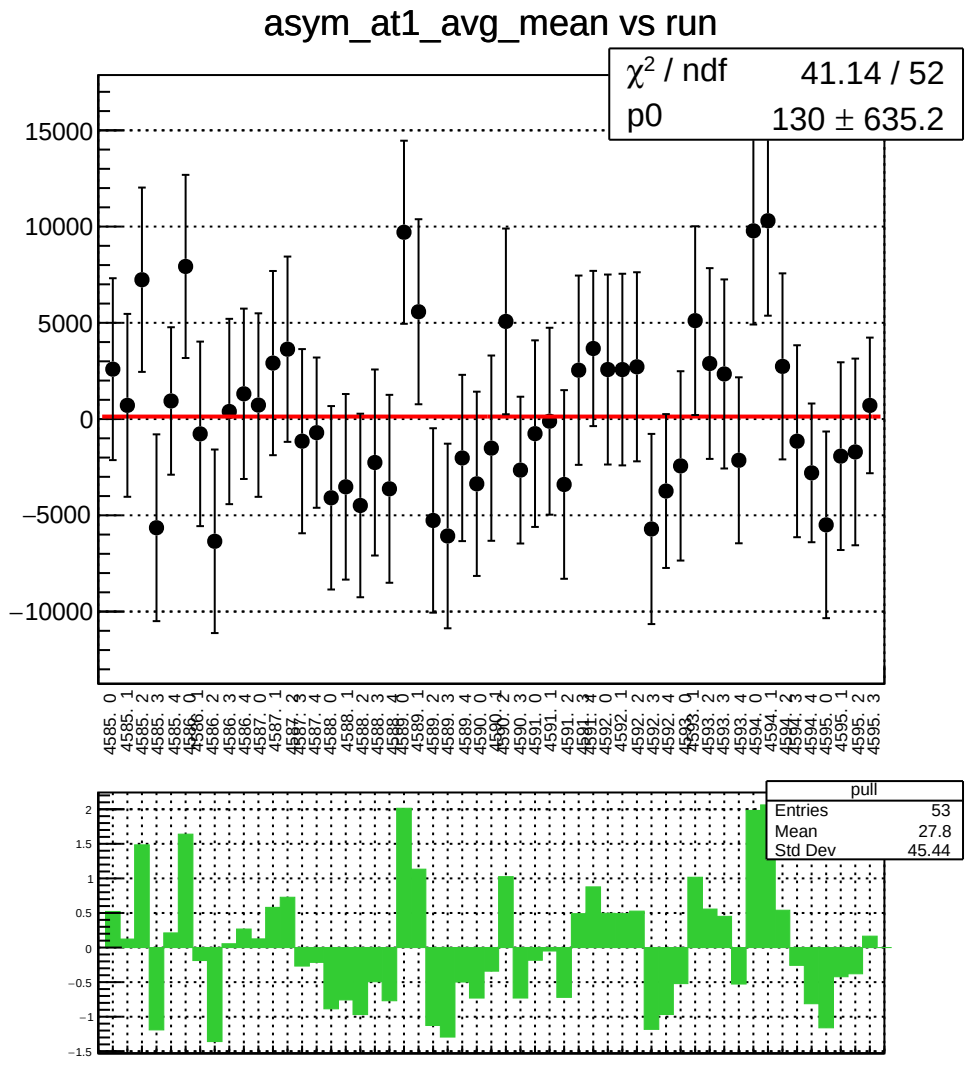

pull1D
Entries 53
Mean 0.0111
Std Dev 0.9509
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

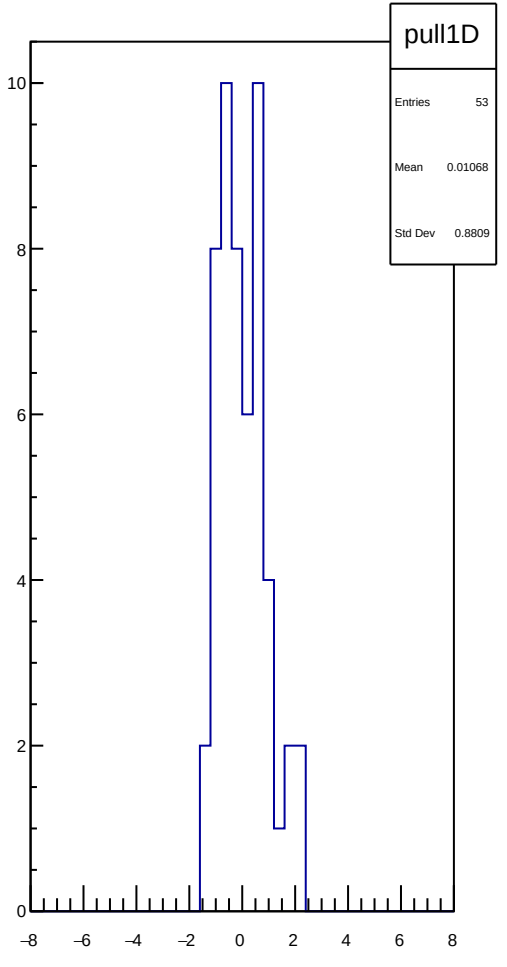

reg_asym_at1_avg_rms vs run
χ² / ndf 63.26 / 52
p0 405 ± 0.3957
415
410
405
400
395

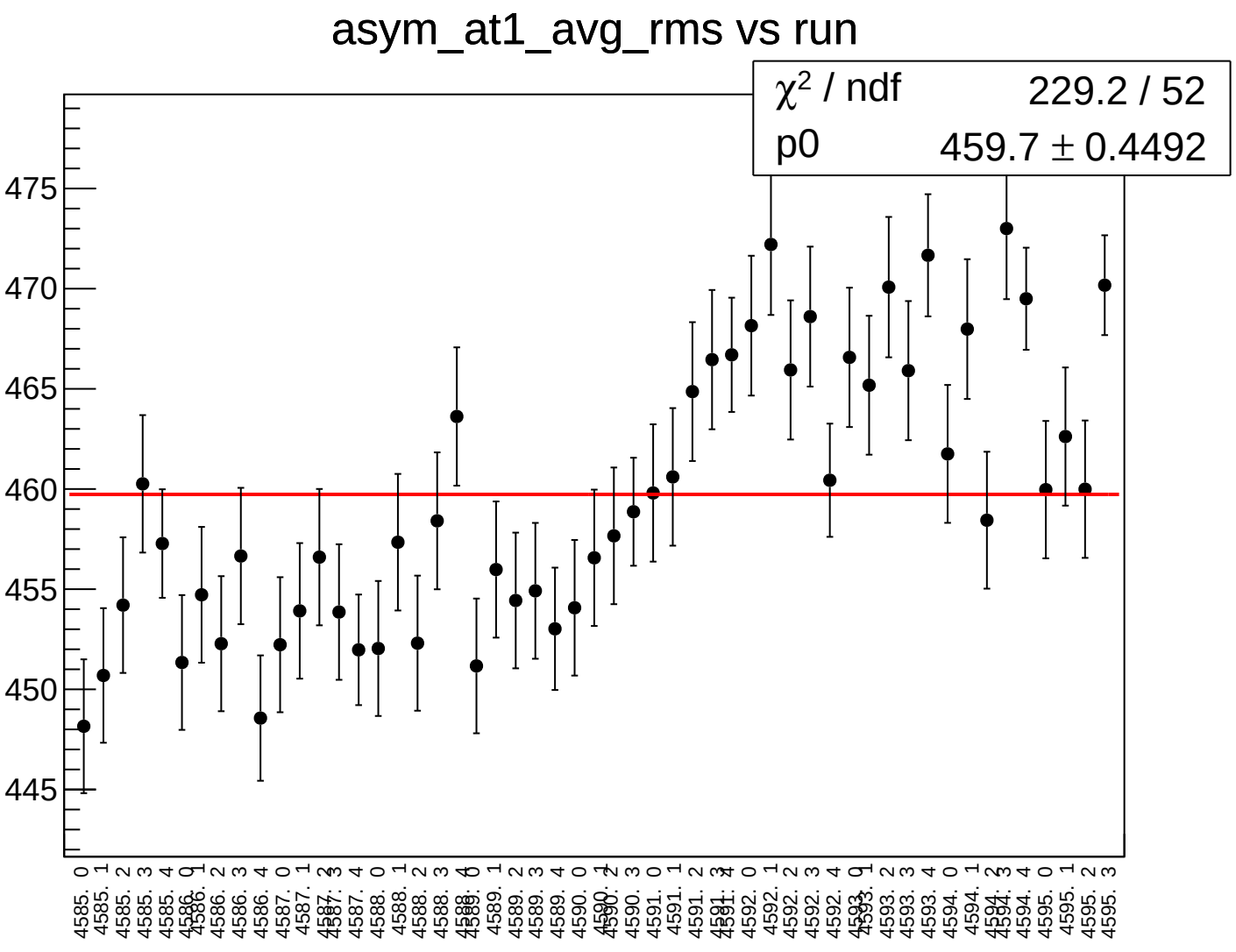

asym_at1_avg_correction_mean vs run
χ² / ndf 53.69 / 52
p0 −81.95 ± 299.3
pull
Entries 53
Mean 303
Std Dev 283.9

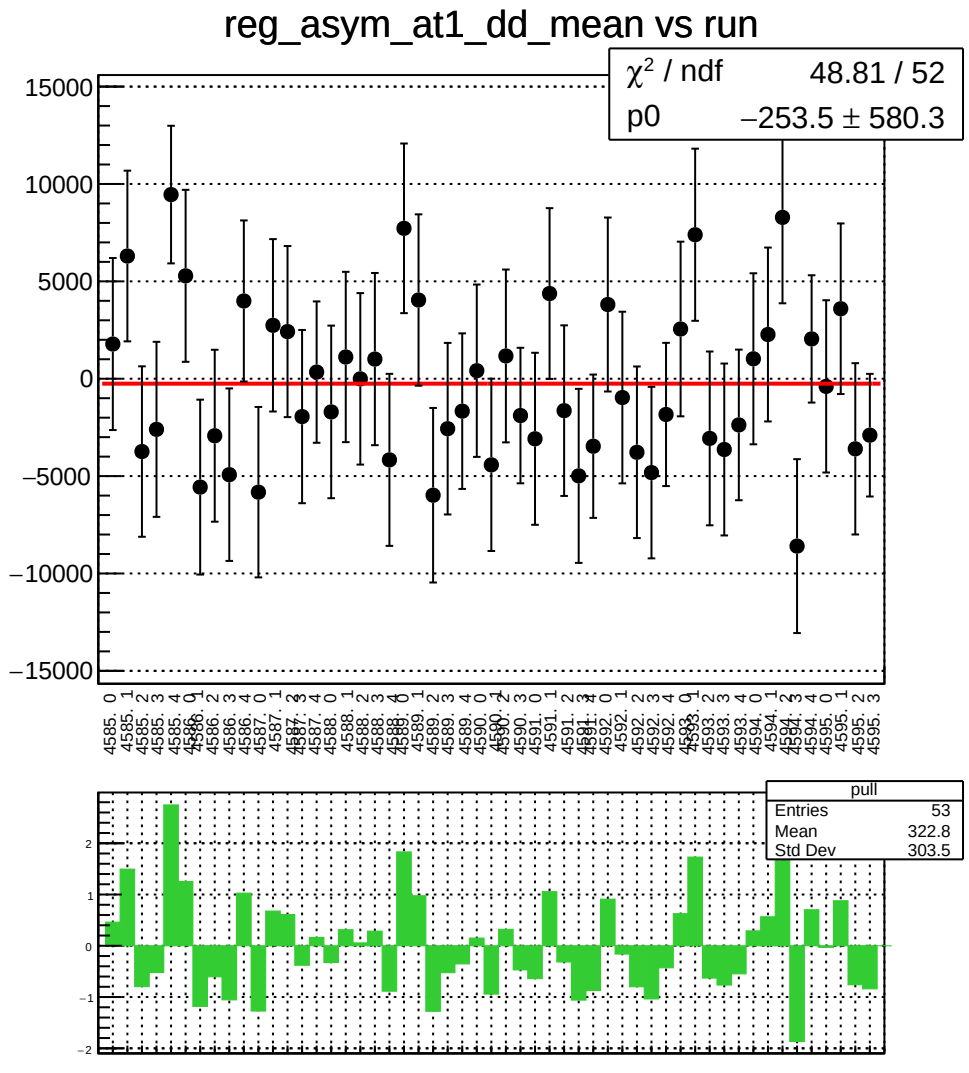

pull1D
Entries 53
Mean −0.005782
Std Dev 1.006

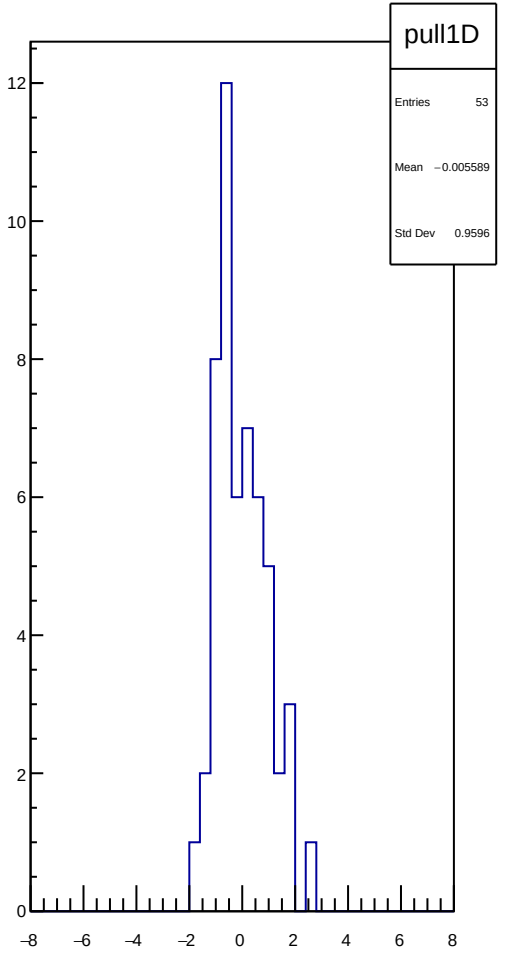

asym_at1_avg_correction_rms vs run
χ² / ndf 3352 / 52
p0 216.3 ± 0.2116
240
230
220
210
200
190
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

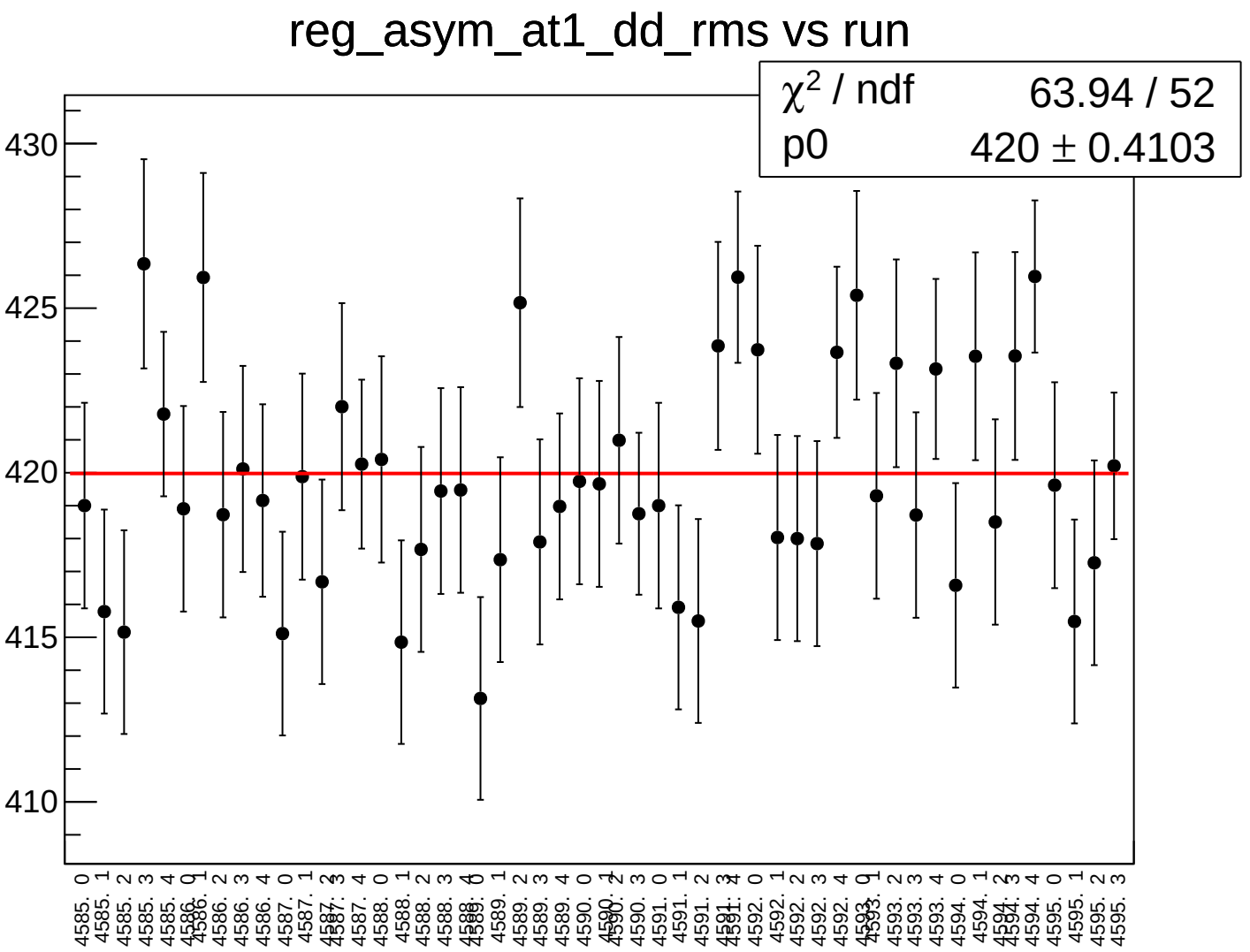

asym_at1_avg_mean vs run
χ² / ndf 41.14 / 52
p0 130 ± 635.2
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 27.8
Std Dev 45.44
2
1.5
1
0.5
0
−0.5
−1
−1.5

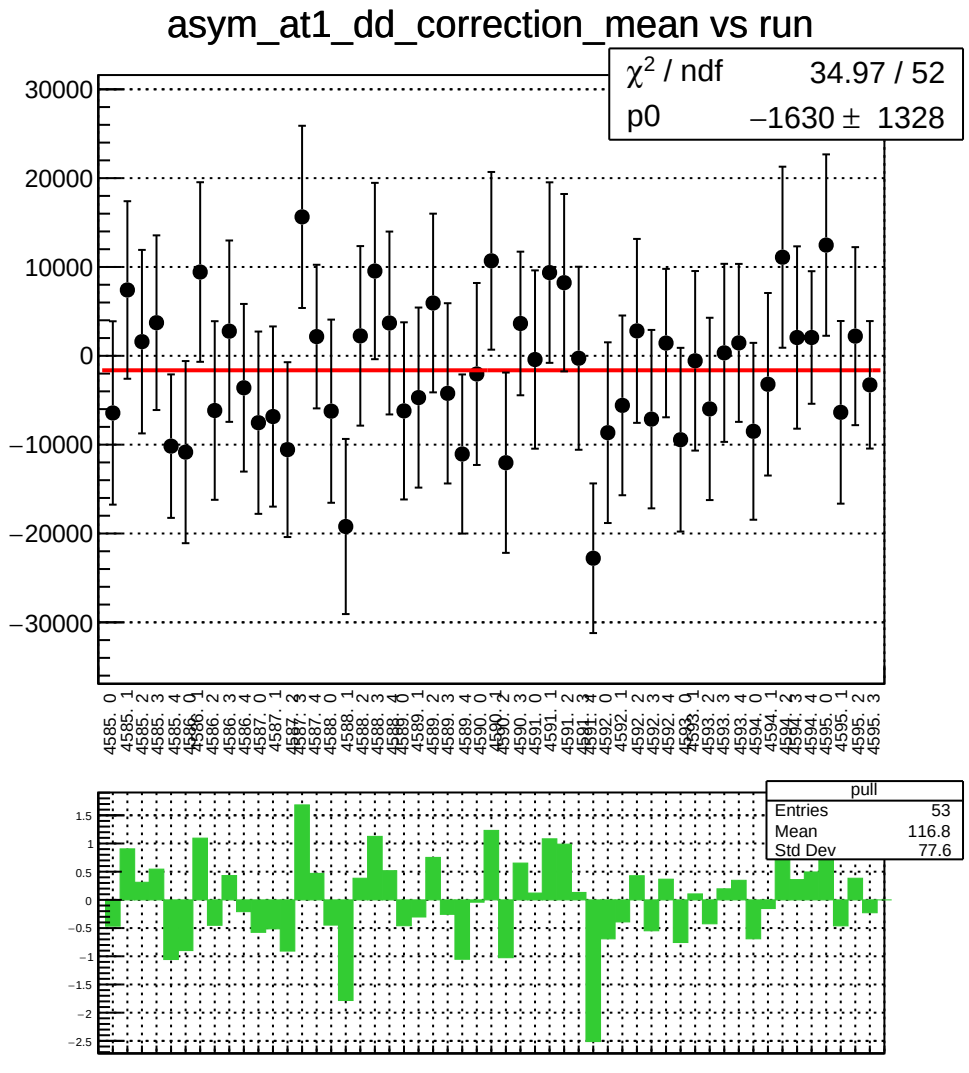

pull1D
Entries 53
Mean 0.01068
Std Dev 0.8809
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

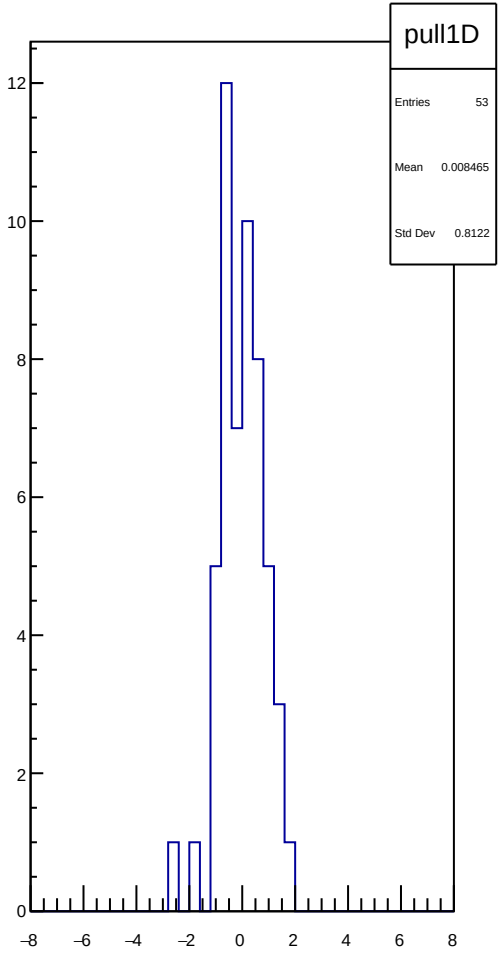

asym_at1_avg_rms vs run
χ² / ndf 229.2 / 52
p0 459.7 ± 0.4492
475
470
465
460
455
450
445

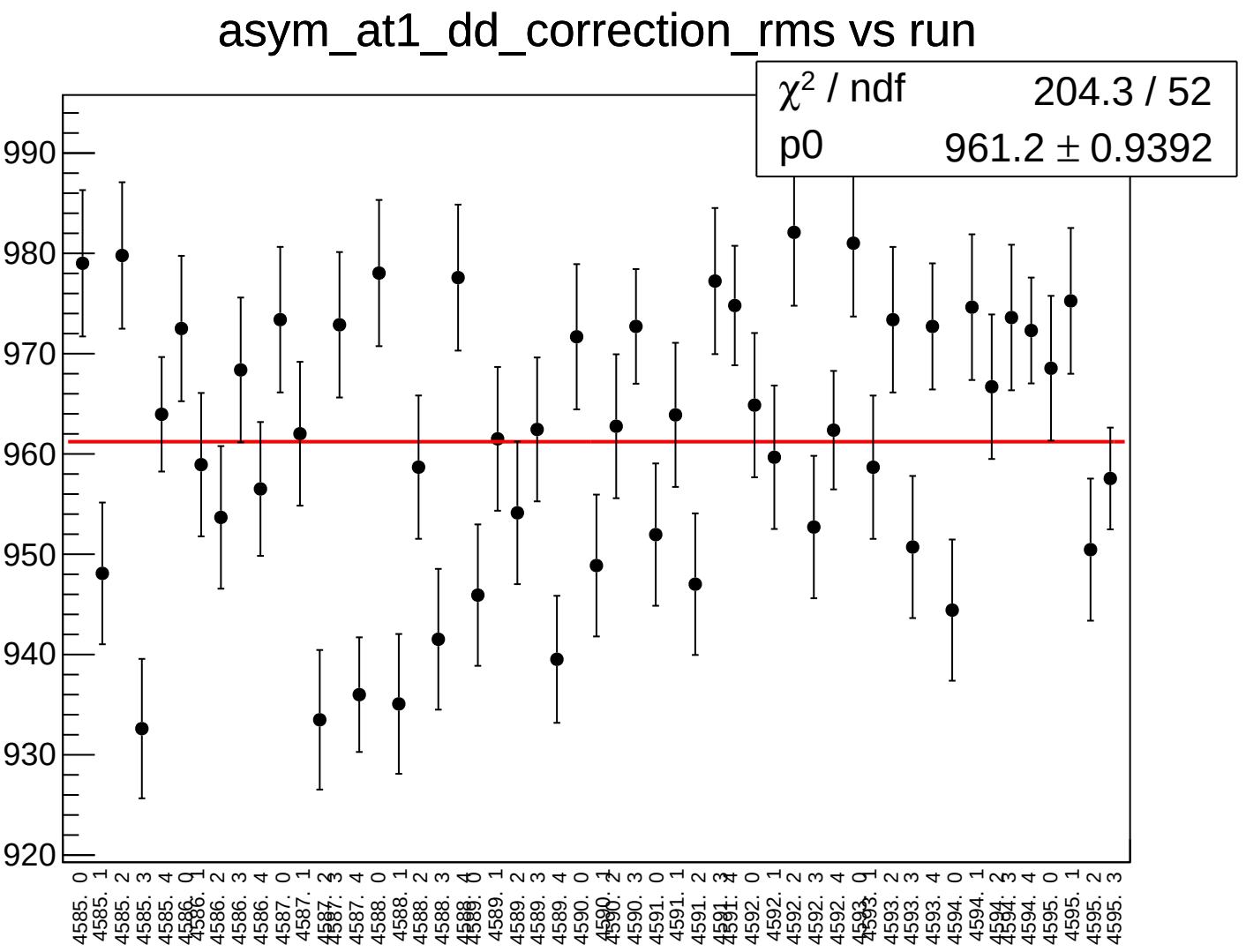

reg_asym_at1_dd_mean vs run
χ² / ndf 48.81 / 52
p0 −253.5 ± 580.3
pull
Entries 53
Mean 322.8
Std Dev 303.5

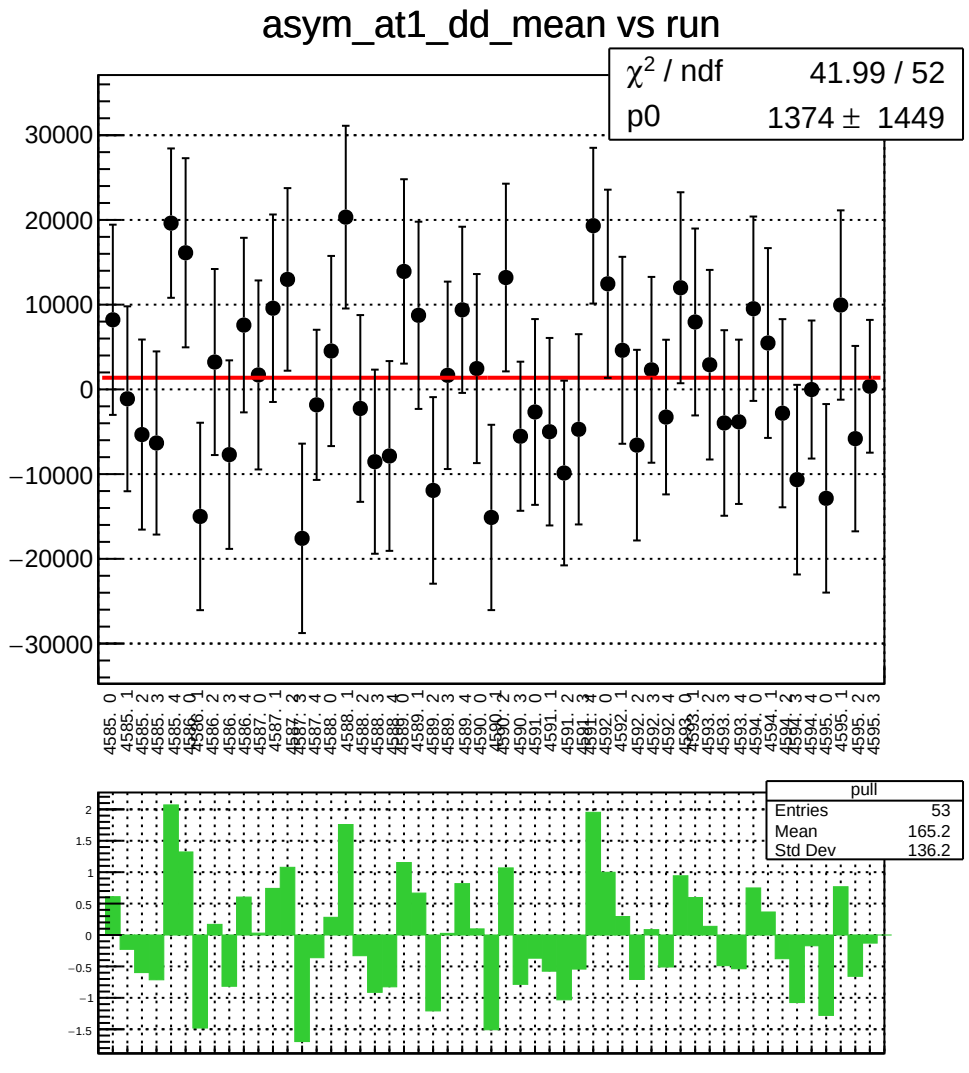

pull1D
Entries 53
Mean −0.005589
Std Dev 0.9596

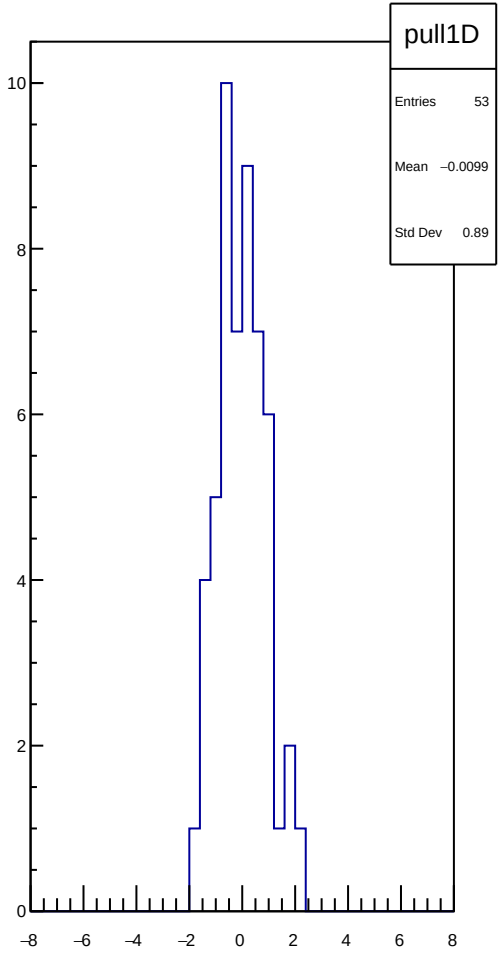

reg_asym_at1_dd_rms vs run
χ² / ndf 63.94 / 52
p0 420 ± 0.4103
430
425
420
415
410
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

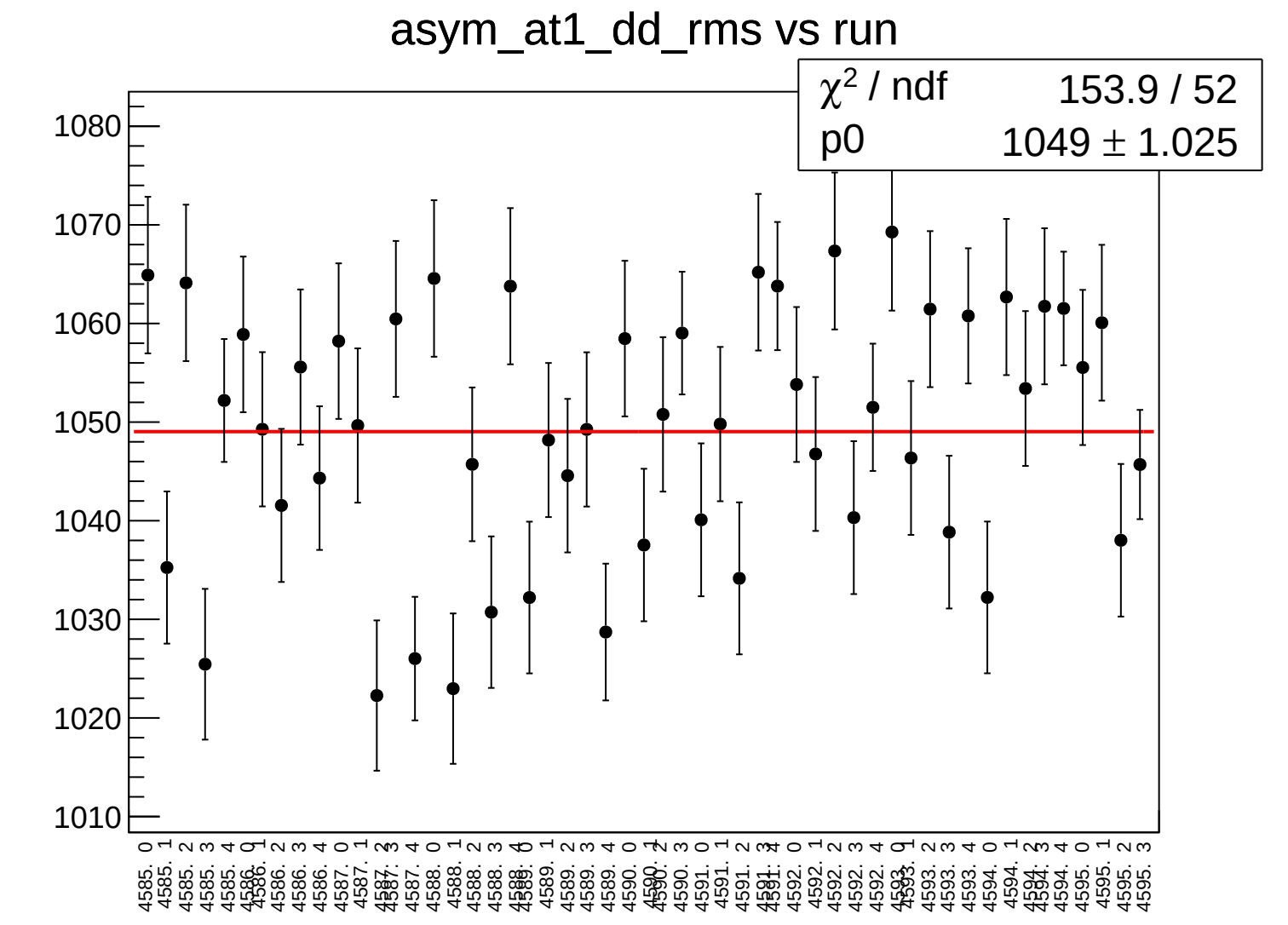

asym_at1_dd_correction_mean vs run
χ² / ndf 34.97 / 52
p0 −1630 ± 1328
pull
Entries 53
Mean 116.8
Std Dev 77.6

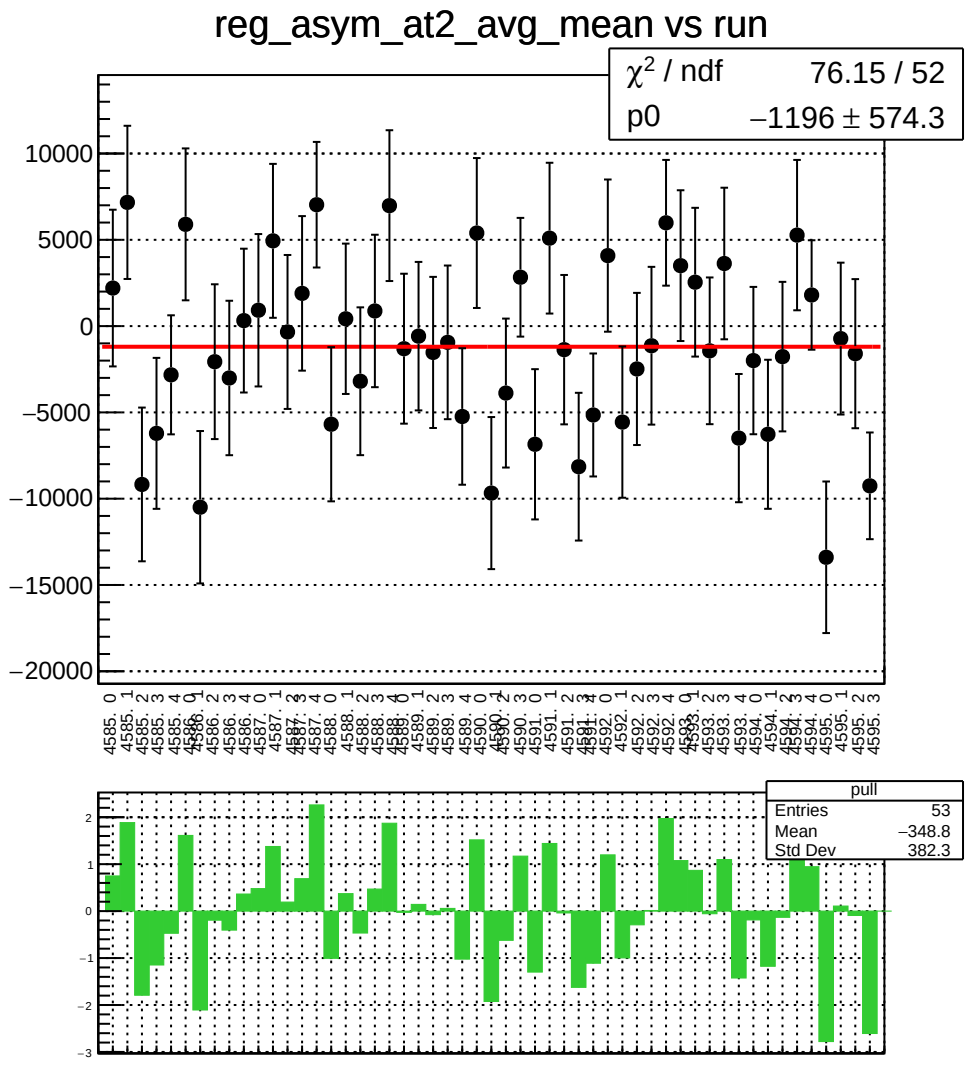

pull1D
Entries 53
Mean 0.008465
Std Dev 0.8122

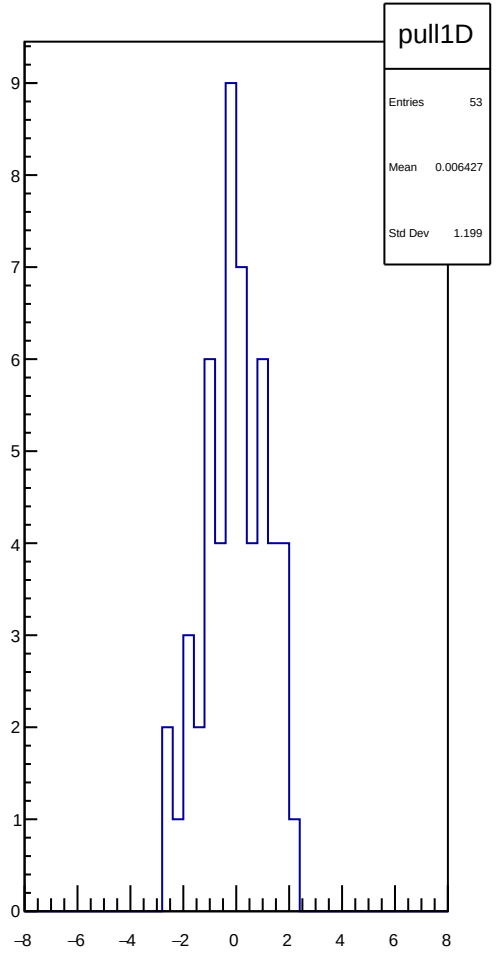

asym_at1_dd_correction_rms vs run
χ² / ndf 204.3 / 52
p0 961.2 ± 0.9392
990
980
970
960
950
940
930
920
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4595. 0
4595. 1
4595. 2
4595. 3

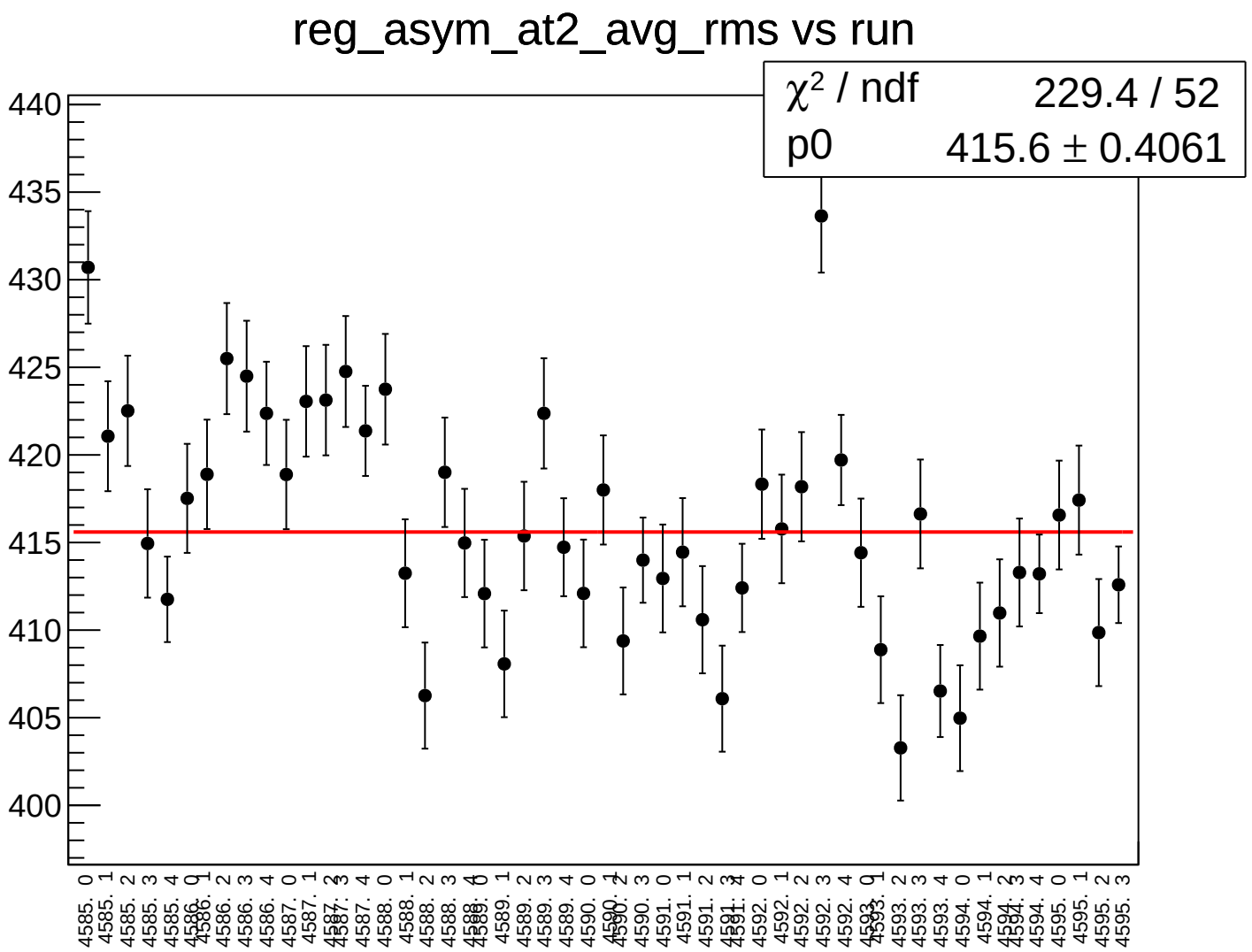

asym_at1_dd_mean vs run
χ^2 / ndf 41.99 / 52
p0 1374 ± 1449
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean 165.2
Std Dev 136.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

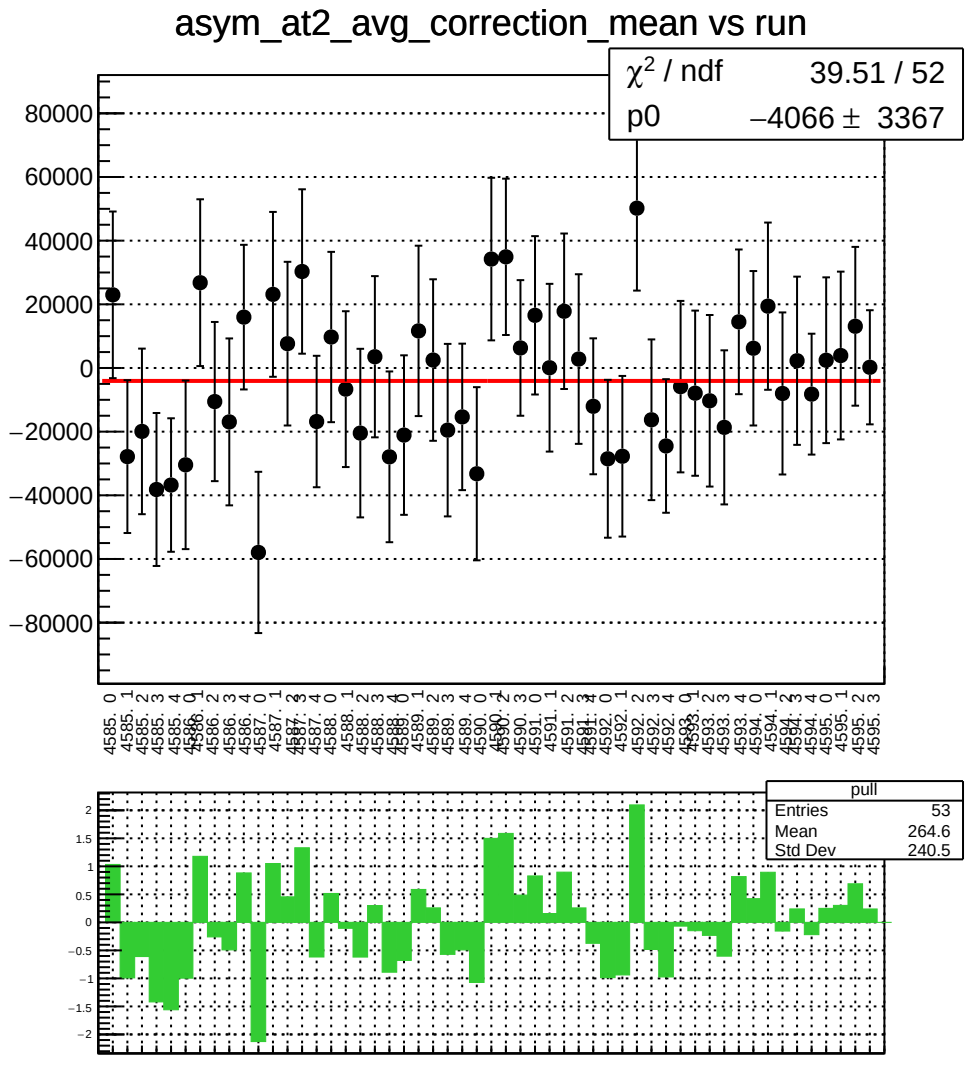

pull1D
Entries 53
Mean −0.0099
Std Dev 0.89
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

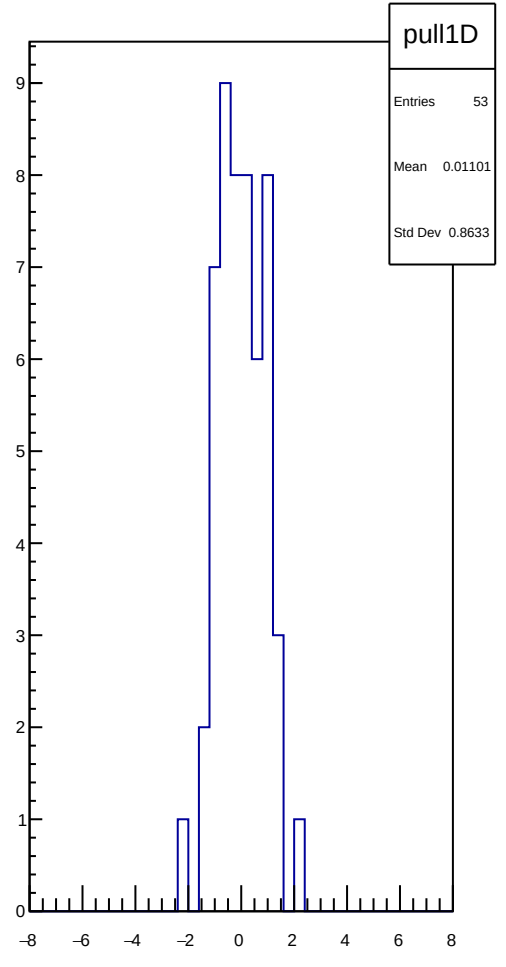

asym_at1_dd_rms vs run
χ² / ndf 153.9 / 52
p0 1049 ± 1.025
1080
1070
1060
1050
1040
1030
1020
1010
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

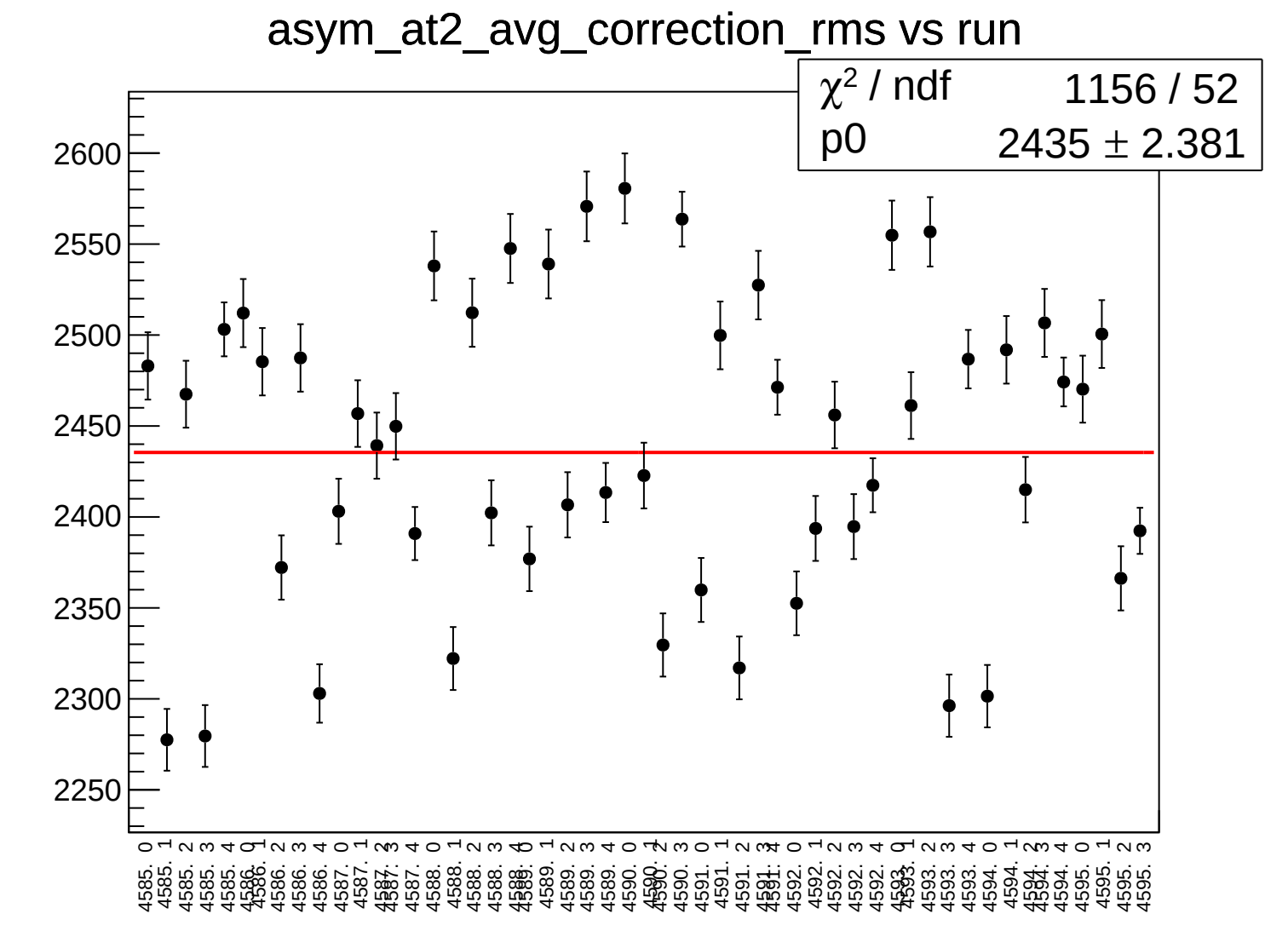

reg_asym_at2_avg_mean vs run
χ² / ndf 76.15 / 52
p0 −1196 ± 574.3
pull
Entries 53
Mean −348.8
Std Dev 382.3

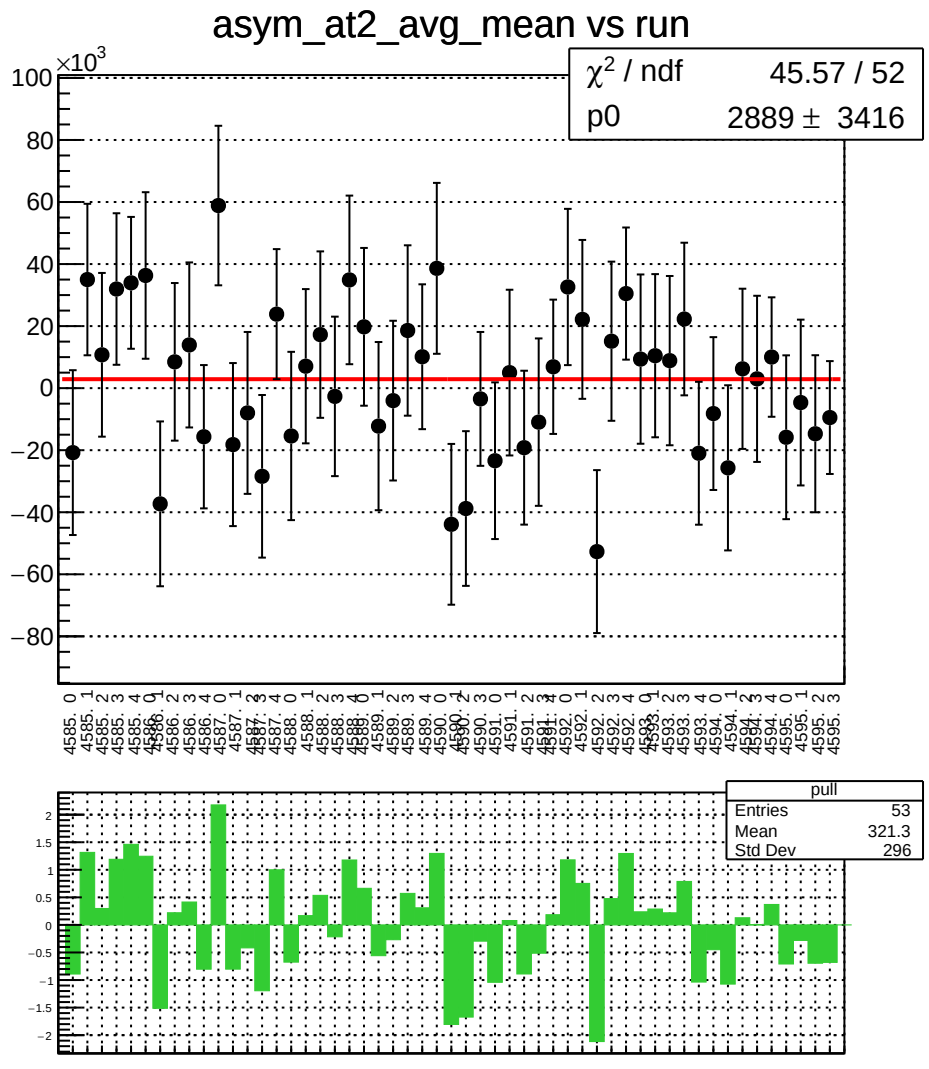

pull1D
Entries 53
Mean 0.006427
Std Dev 1.199

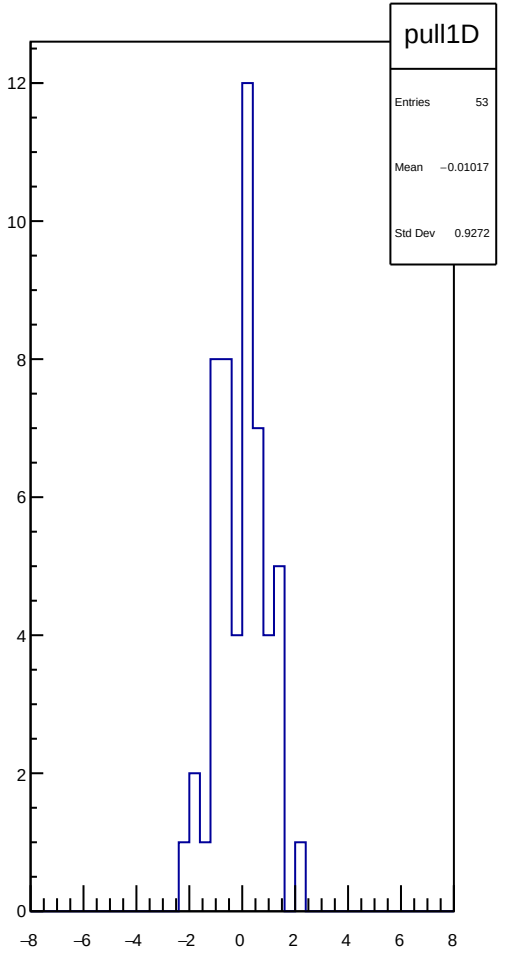

reg_asym_at2_avg_rms vs run
χ² / ndf 229.4 / 52
p0 415.6 ± 0.4061
440
435
430
425
420
415
410
405
400
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

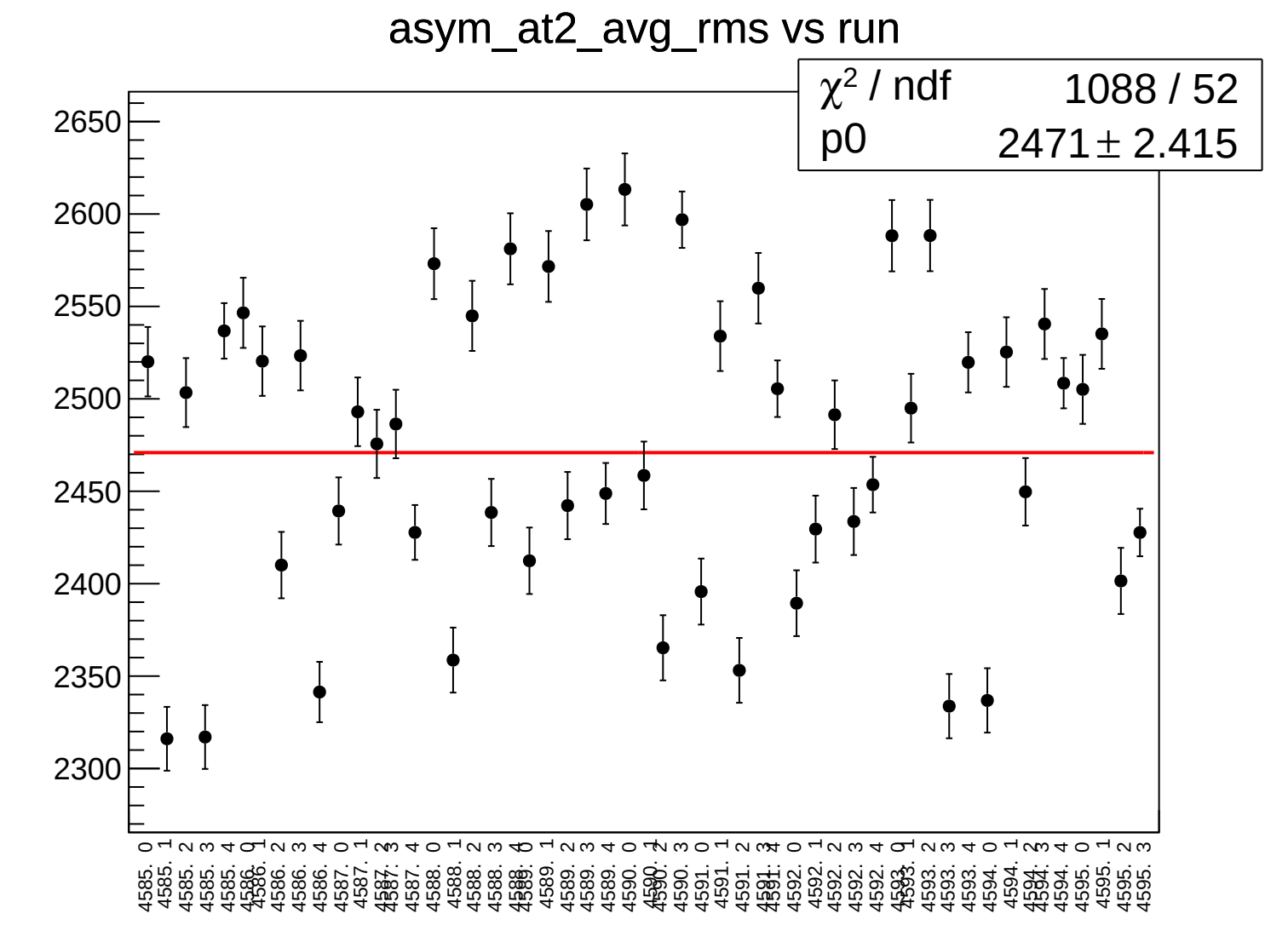

asym_at2_avg_correction_mean vs run
χ² / ndf 39.51 / 52
p0 −4066 ± 3367
pull
Entries 53
Mean 264.6
Std Dev 240.5


pull1D
Entries 53
Mean 0.01101
Std Dev 0.8633


asym_at2_avg_correction_rms vs run
χ² / ndf 1156 / 52
p0 2435 ± 2.381
2600
2550
2500
2450
2400
2350
2300
2250


asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 45.57 / 52
p0 2889 ± 3416
pull
Entries 53
Mean 321.3
Std Dev 296


pull1D
Entries 53
Mean −0.01017
Std Dev 0.9272


asym_at2_avg_rms vs run
χ² / ndf 1088 / 52
p0 2471 ± 2.415
2650
2600
2550
2500
2450
2400
2350
2300
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
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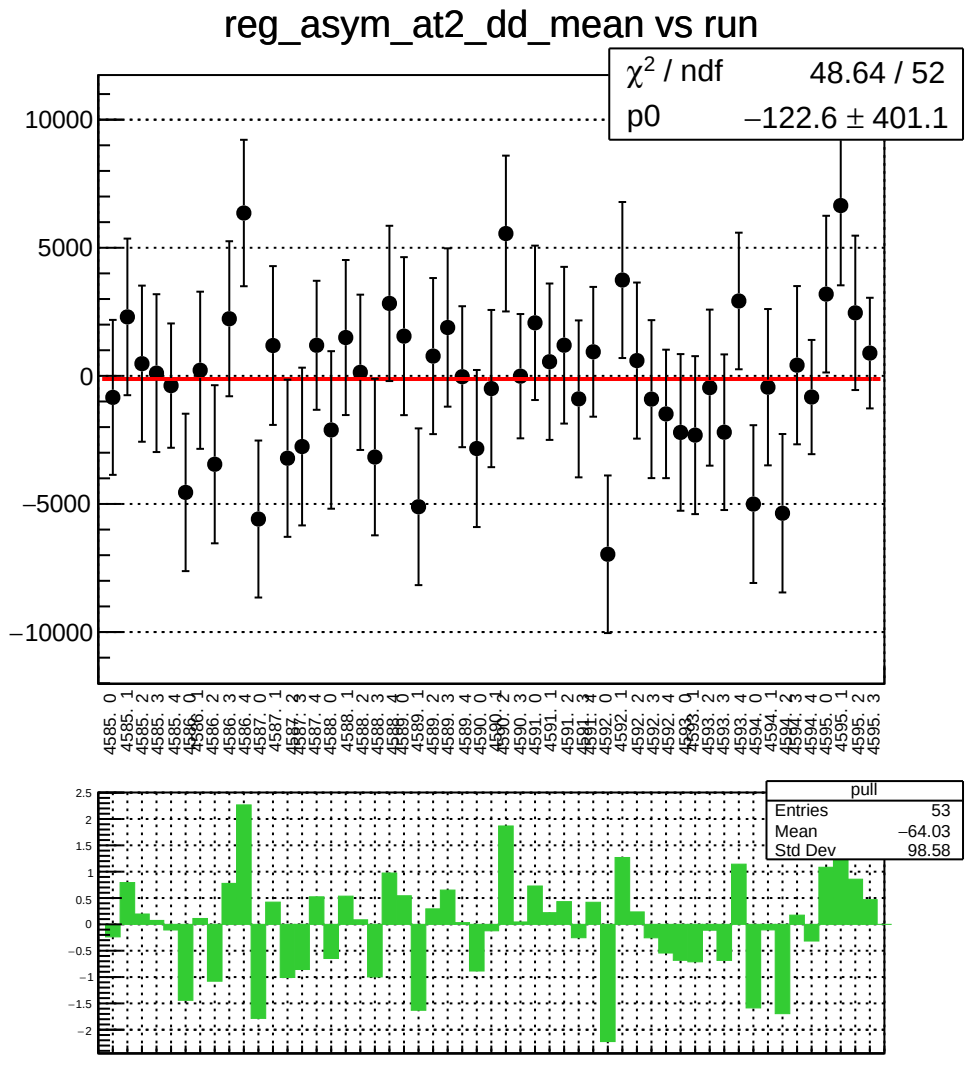
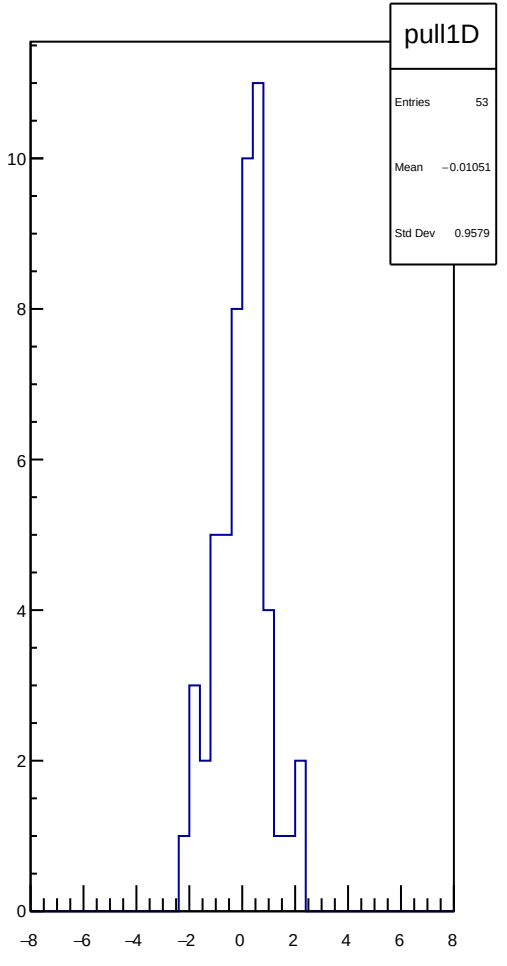
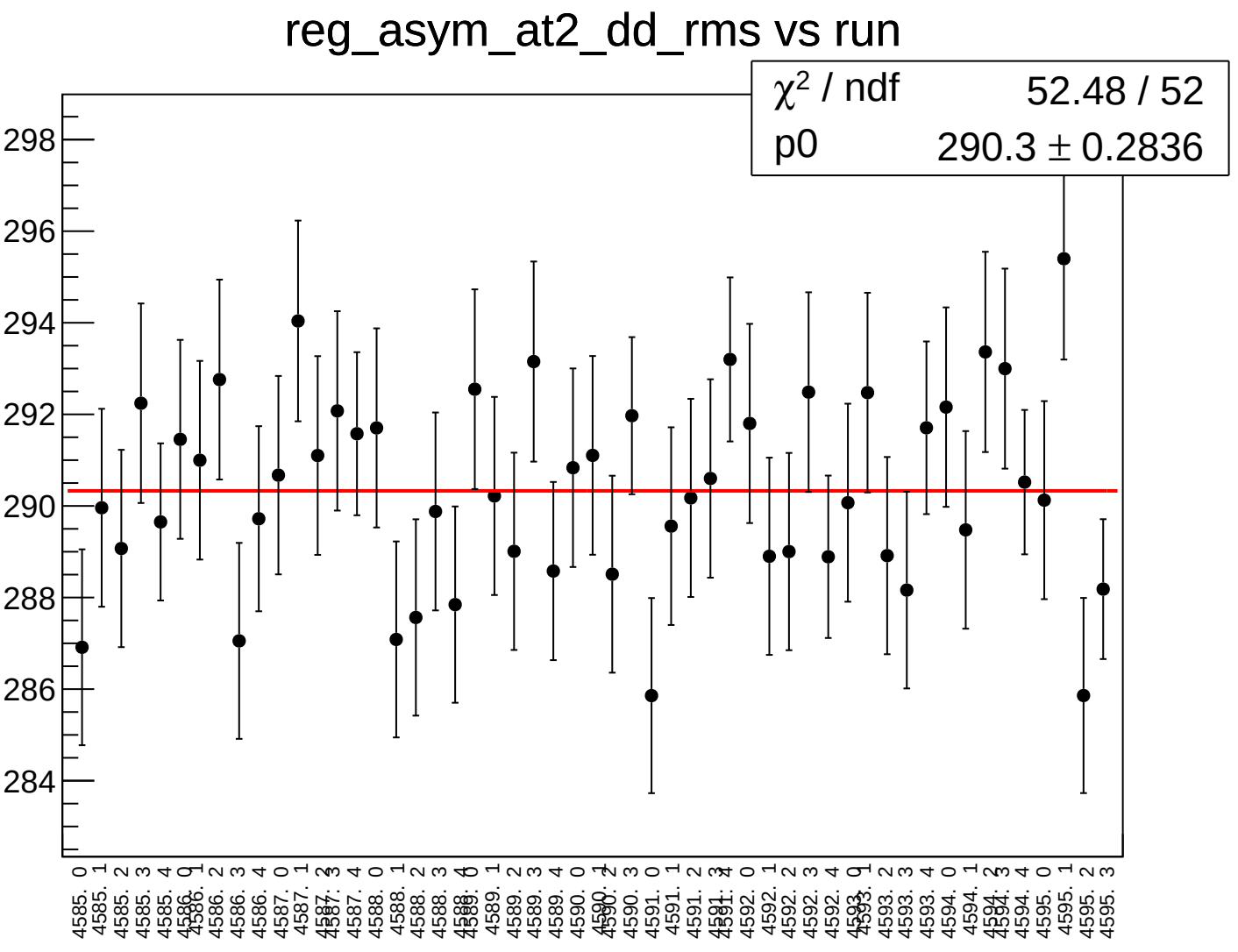
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


reg_asym_at2_dd_mean vs run
χ^2 / ndf 48.64 / 52
p0 −122.6 ± 401.1
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −64.03
Std Dev 98.58
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean −0.01051
Std Dev 0.9579
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at2_dd_rms vs run
χ² / ndf 52.48 / 52
p0 290.3 ± 0.2836
298
296
294
292
290
288
286
284
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
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4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
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4594. 2
4594. 3
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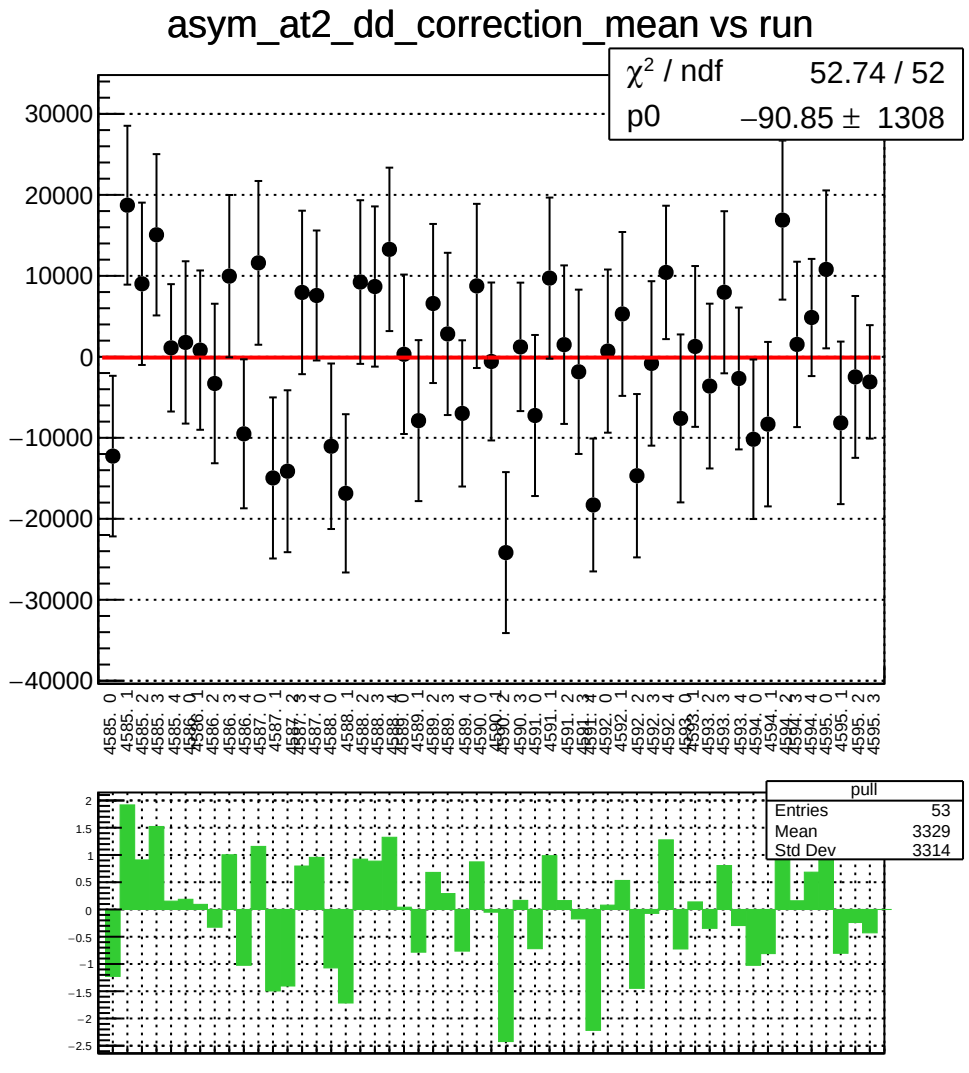
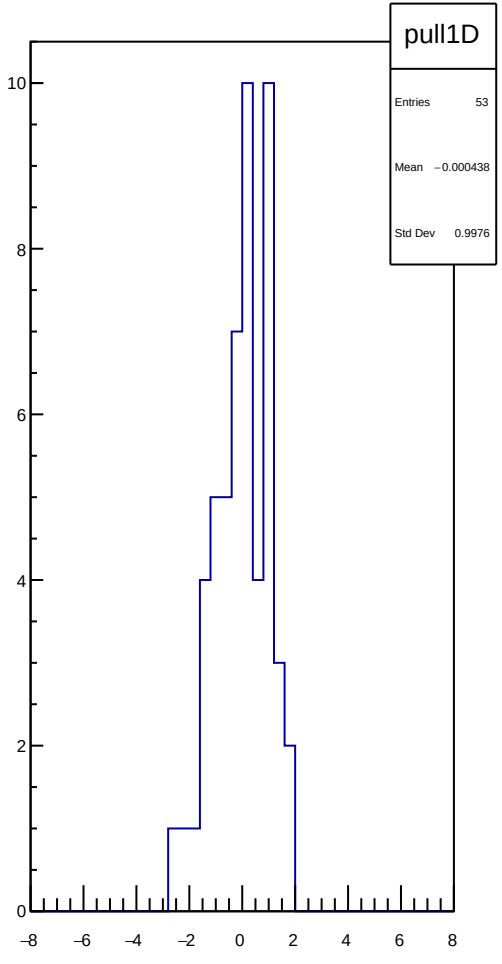
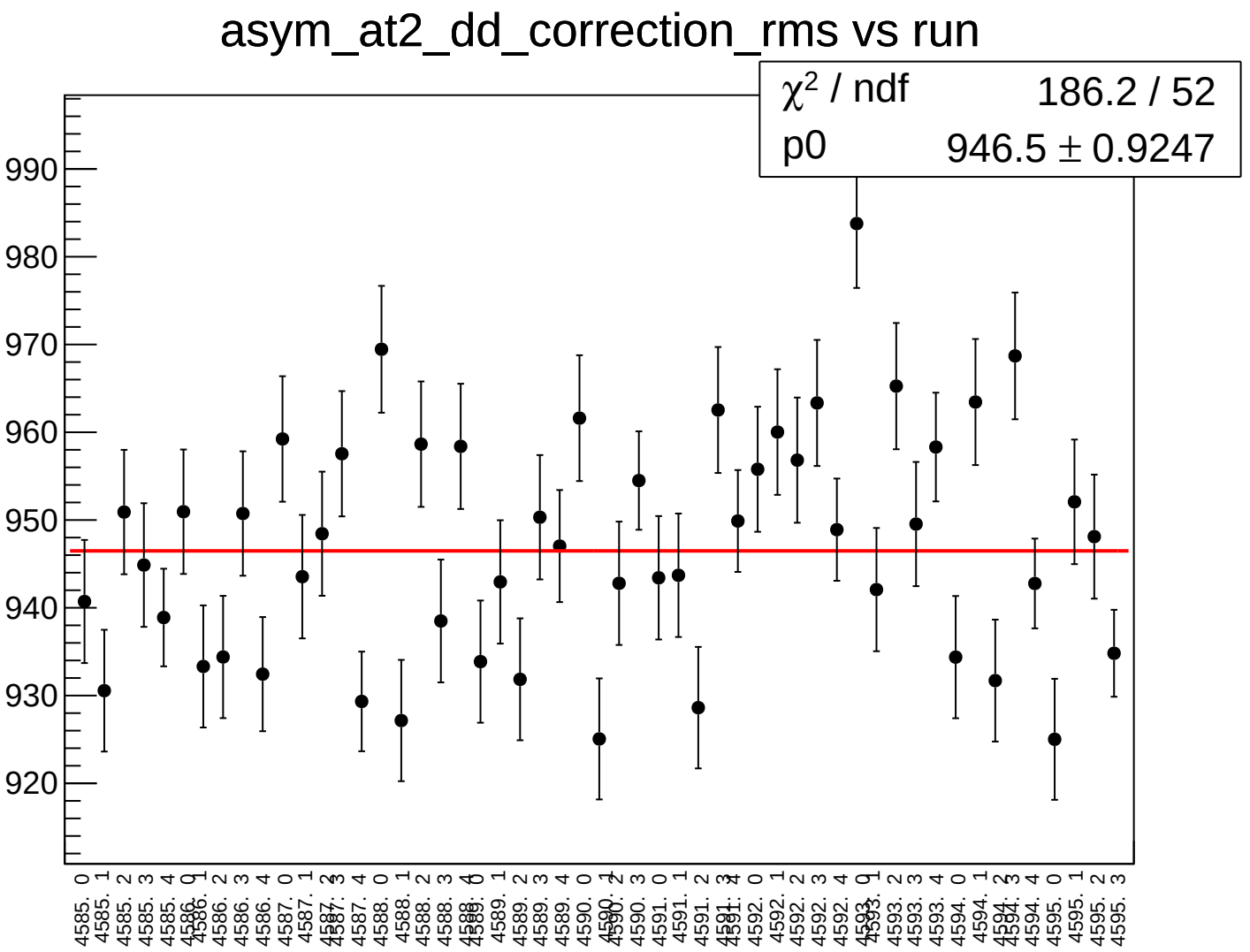
4595. 2
4595. 3


asym_at2_dd_correction_mean vs run
χ² / ndf 52.74 / 52
p0 −90.85 ± 1308
pull
Entries 53
Mean 3329
Std Dev 3314


pull1D
Entries 53
Mean −0.000438
Std Dev 0.9976


asym_at2_dd_correction_rms vs run
χ² / ndf 186.2 / 52
p0 946.5 ± 0.9247
990
980
970
960
950
940
930
920
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
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4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
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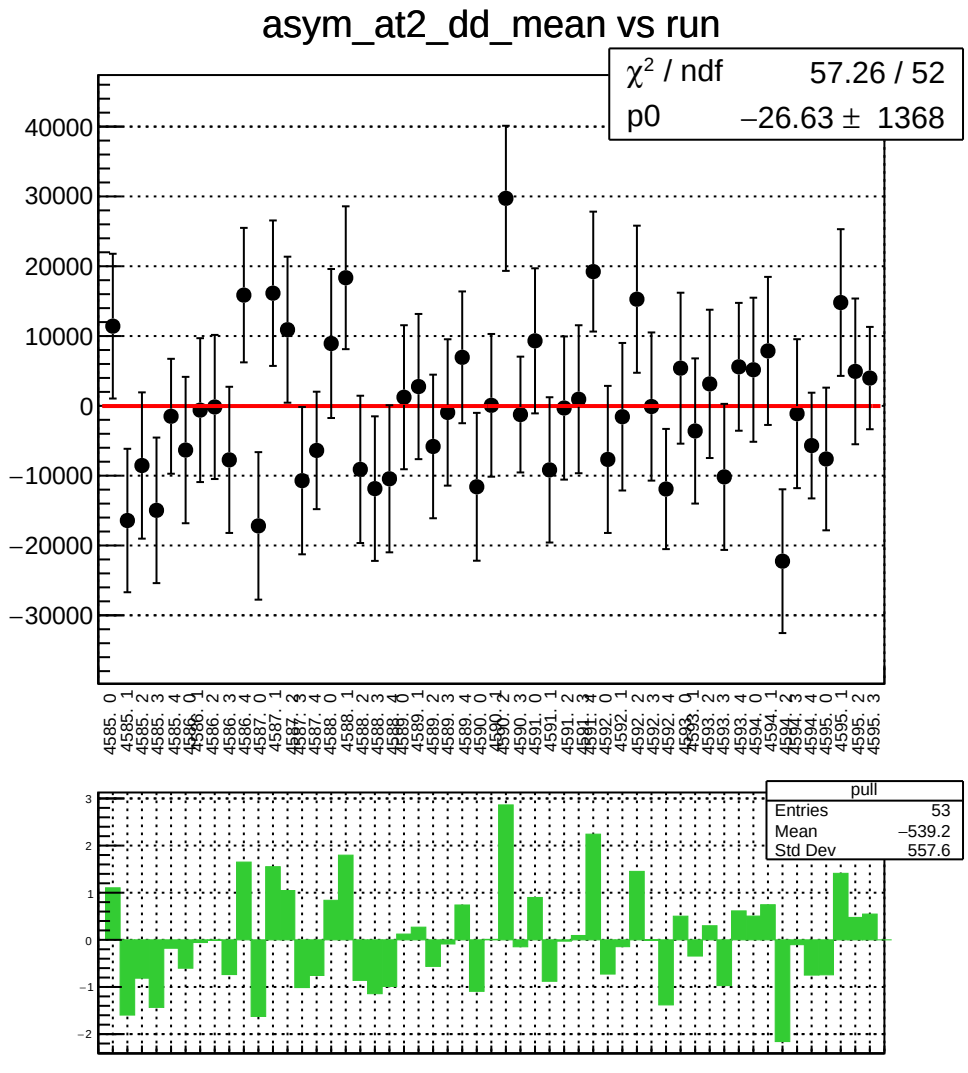
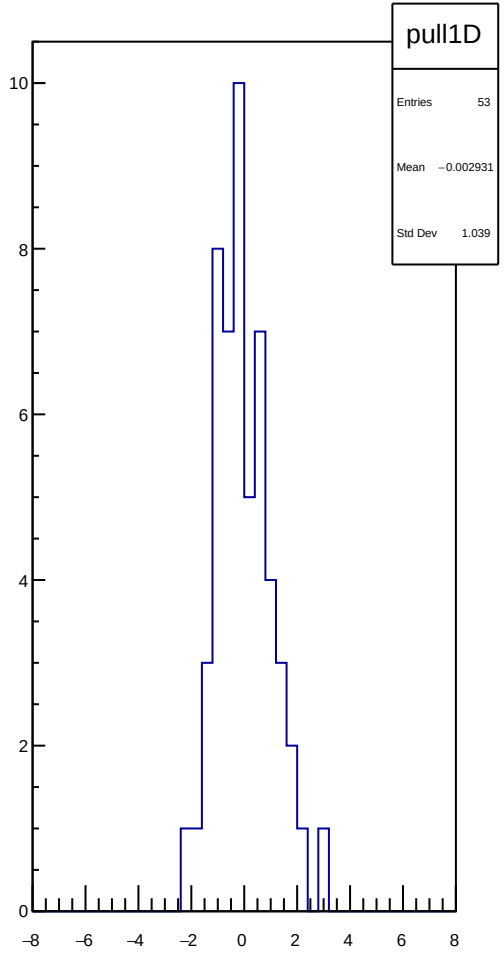
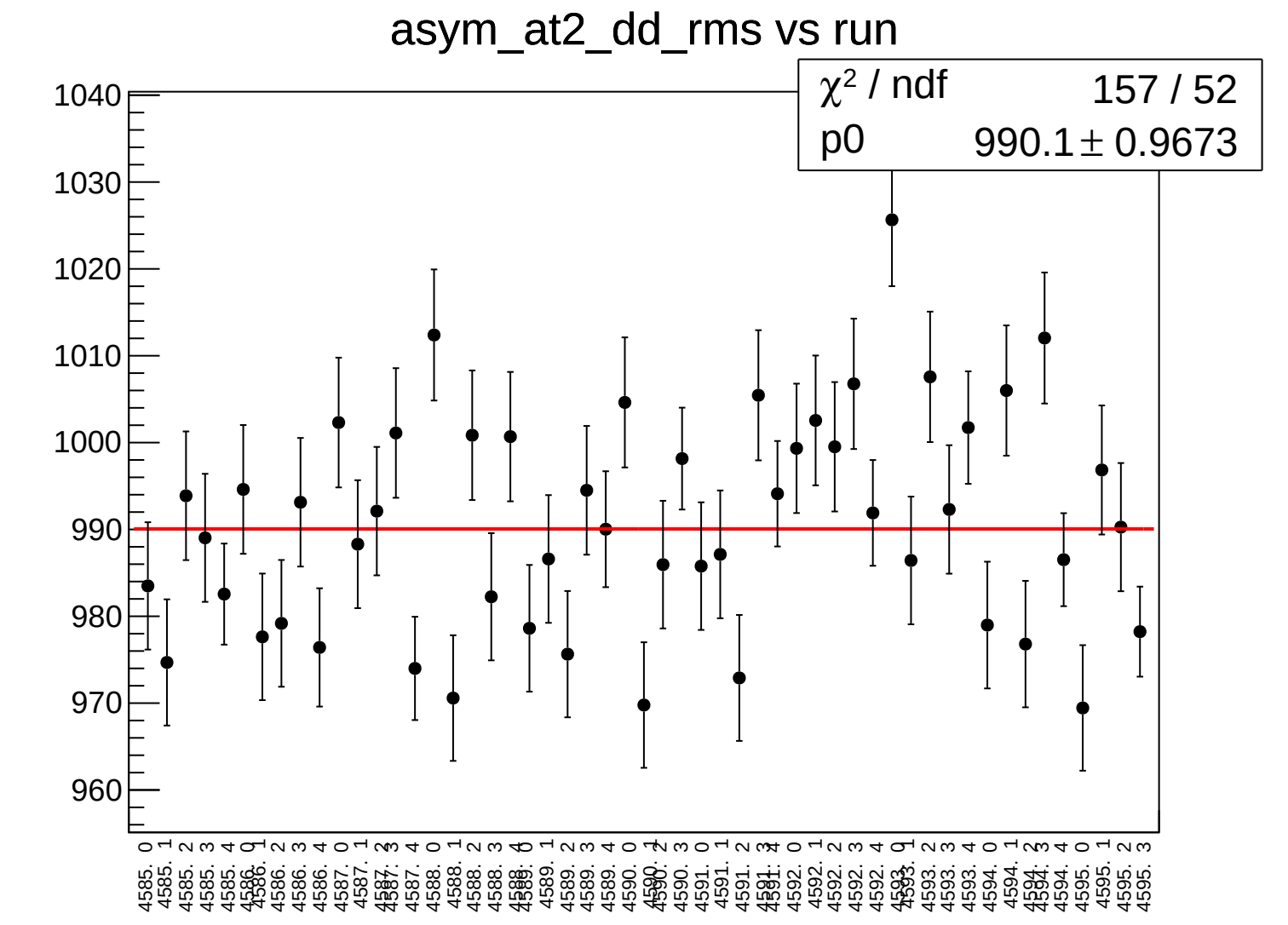
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_at2_dd_mean vs run
χ² / ndf 57.26 / 52
p0 −26.63 ± 1368
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean −539.2
Std Dev 557.6
3
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.002931
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_rms vs run
χ² / ndf 157 / 52
p0 990.1 ± 0.9673
1040
1030
1020
1010
1000
990
980
970
960
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
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4589. 0
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4589. 2
4589. 3
4589. 4
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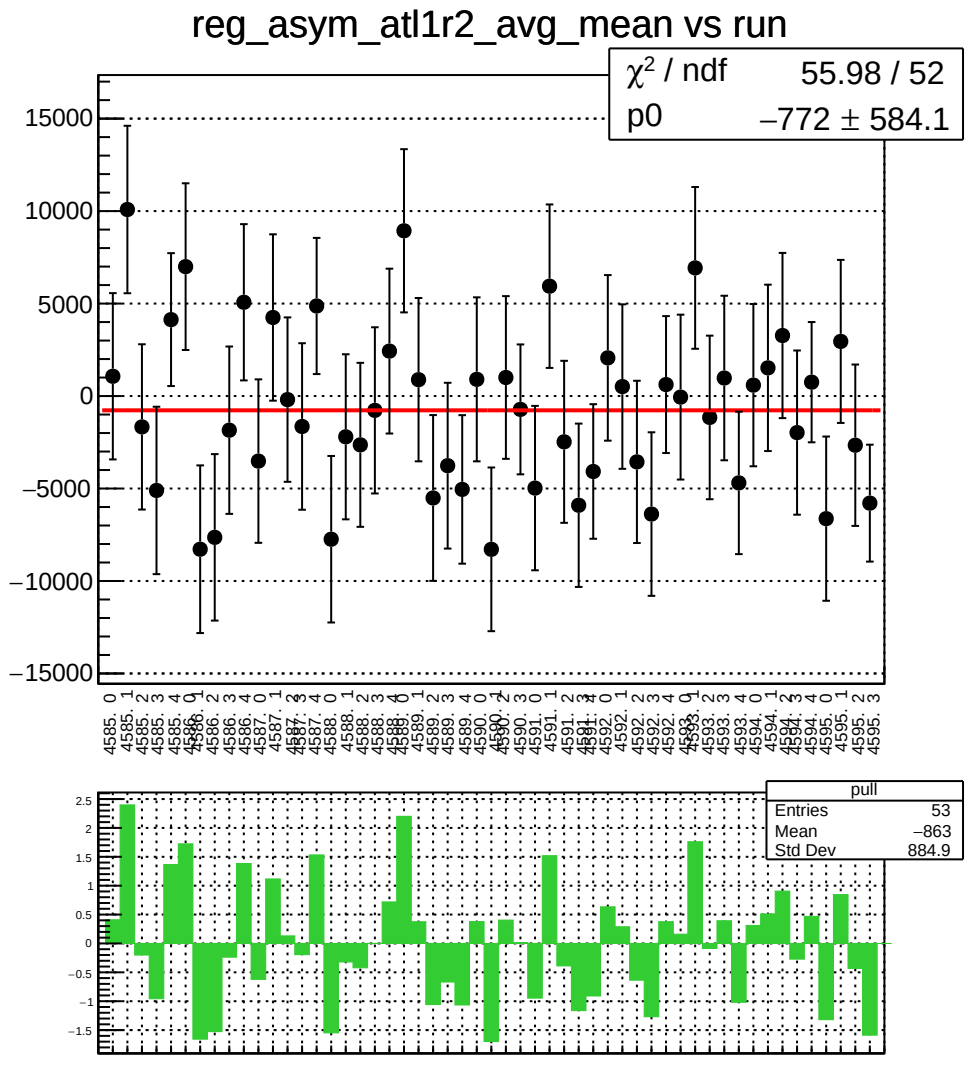
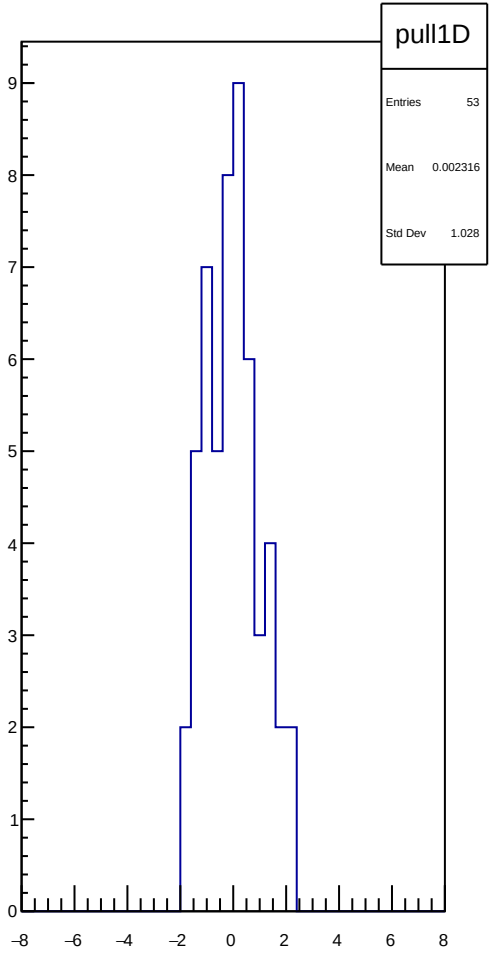
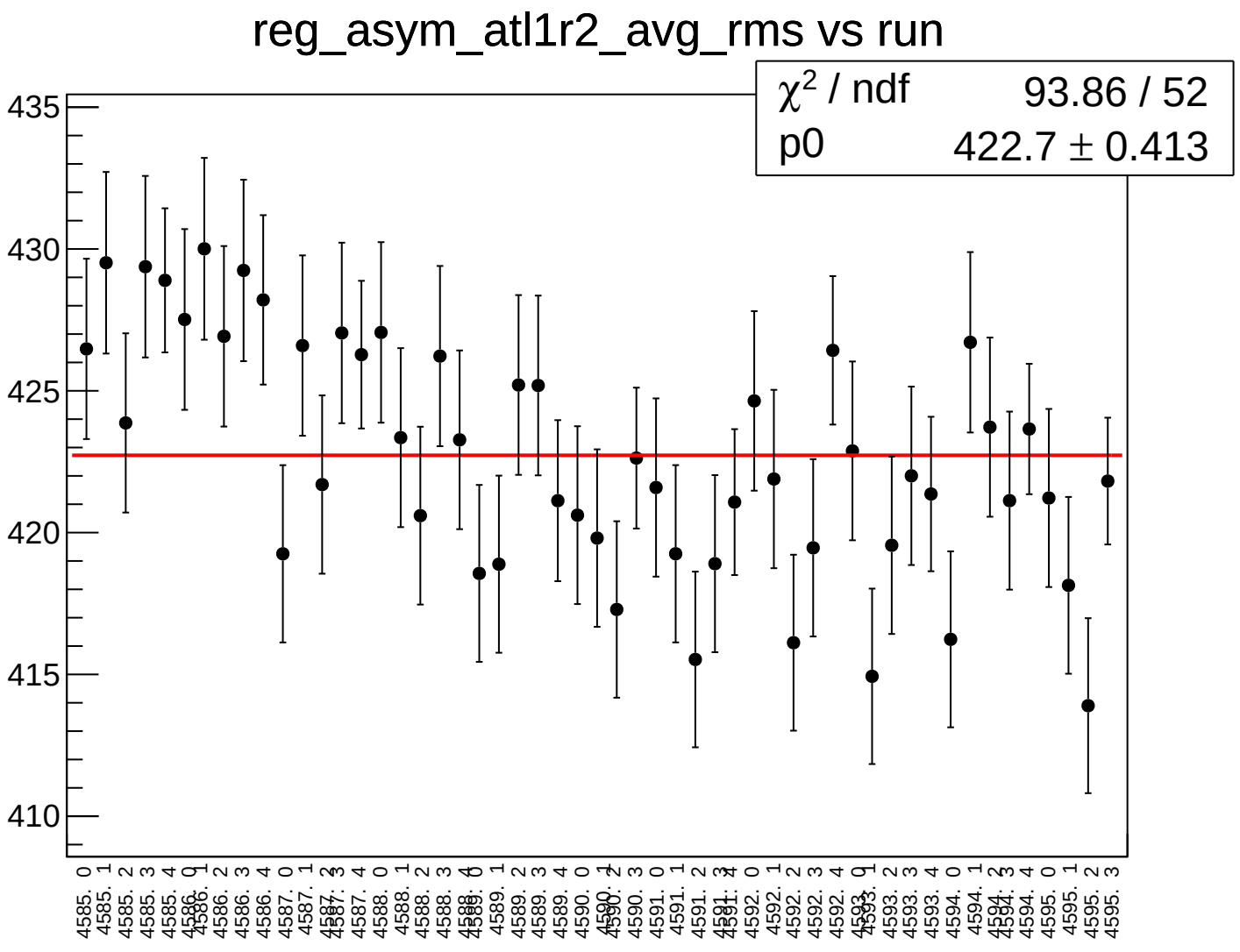
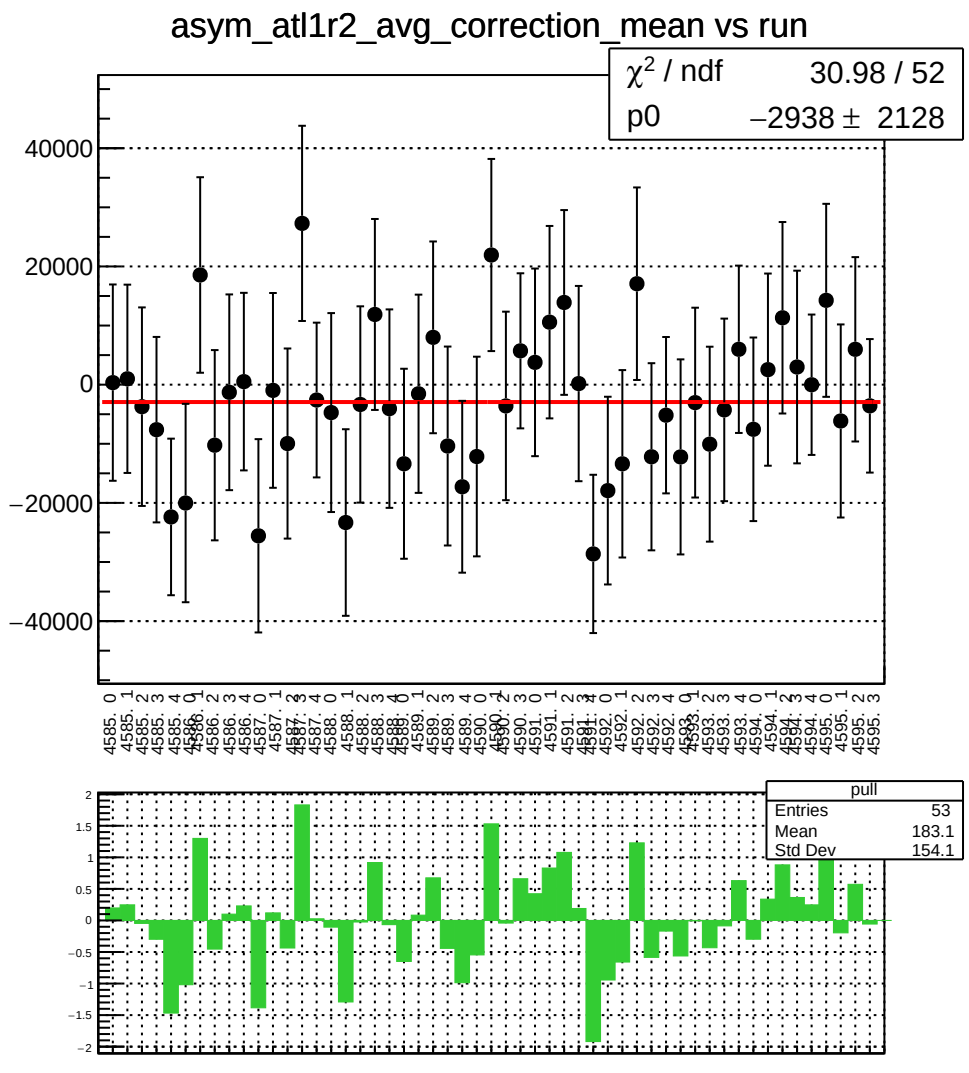
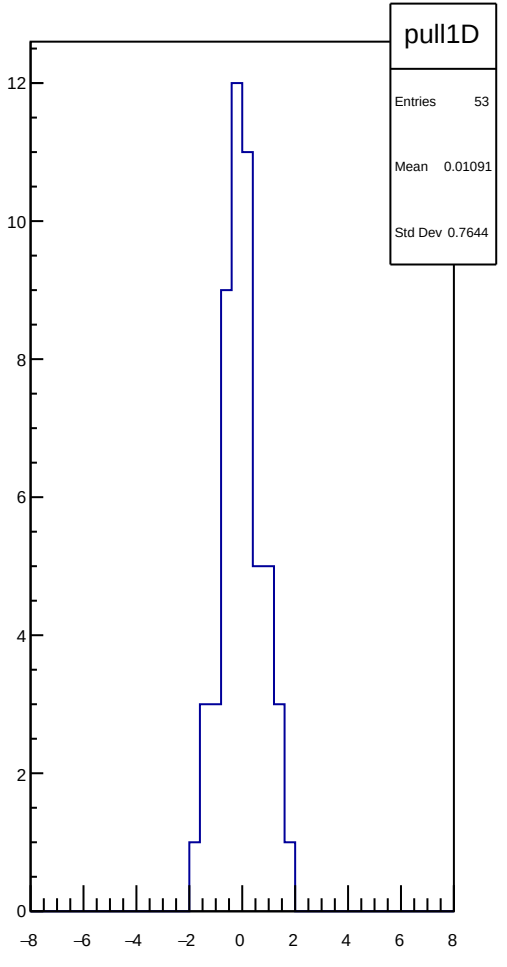
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

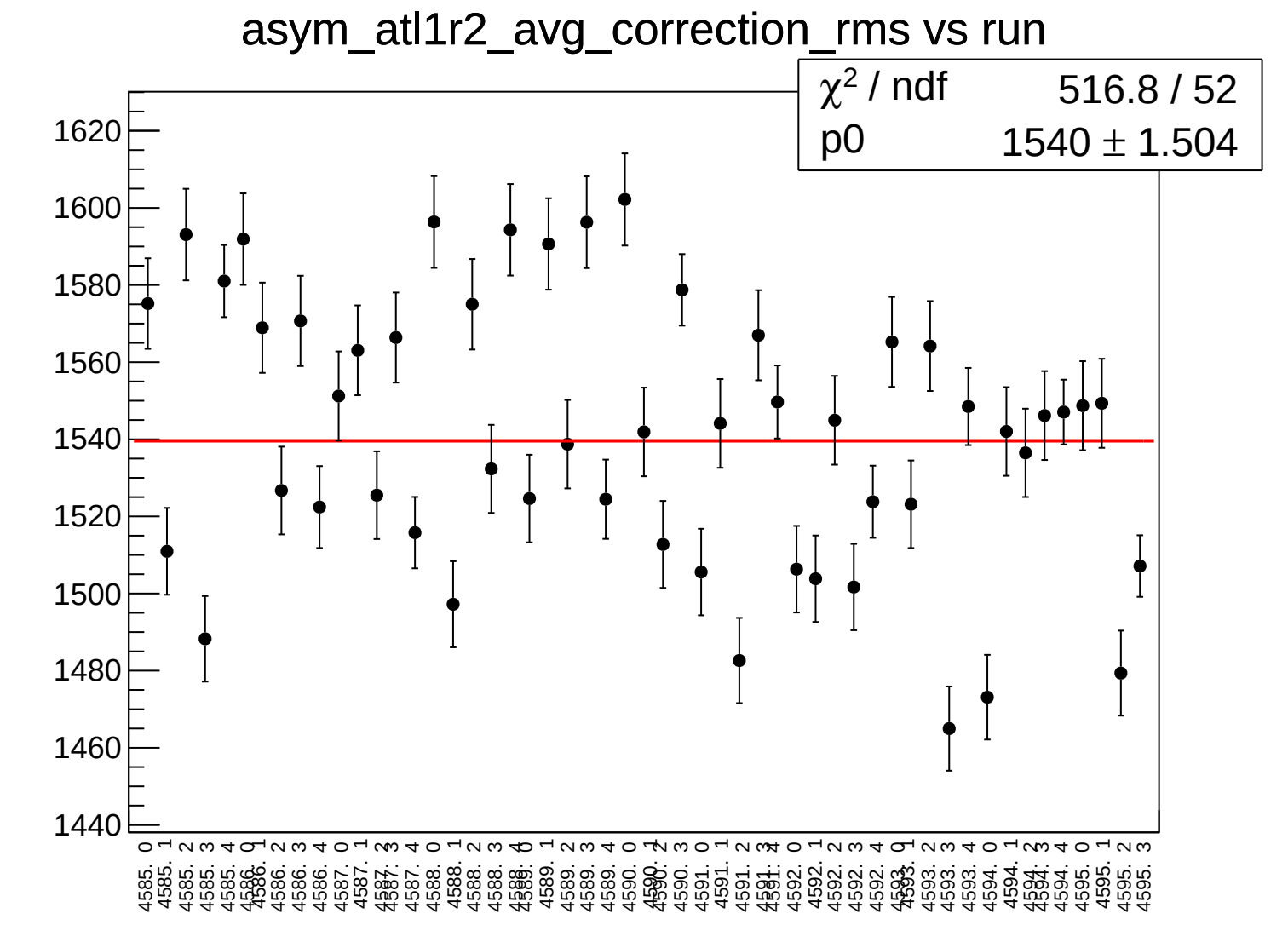

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 55.98 / 52
p0 −772 ± 584.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −863
Std Dev 884.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

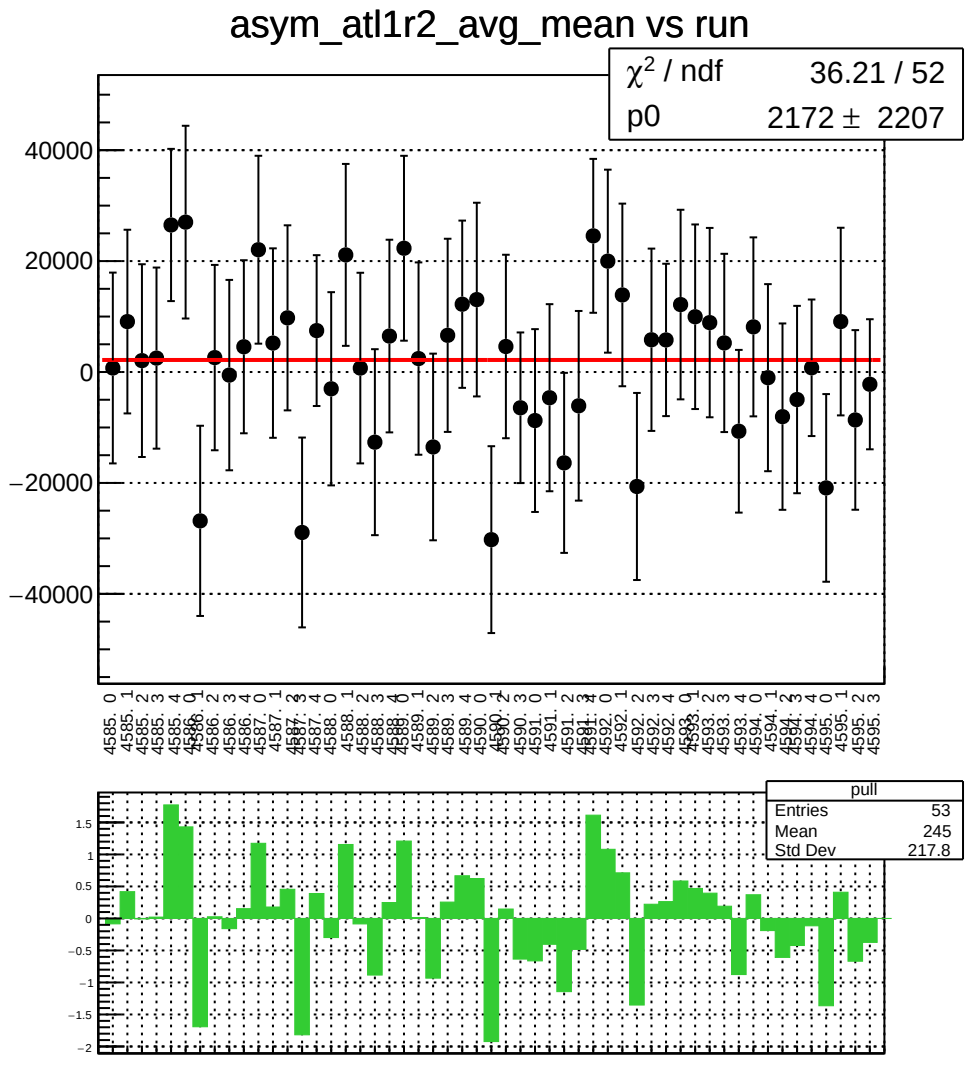

pull1D
Entries 53
Mean 0.002316
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

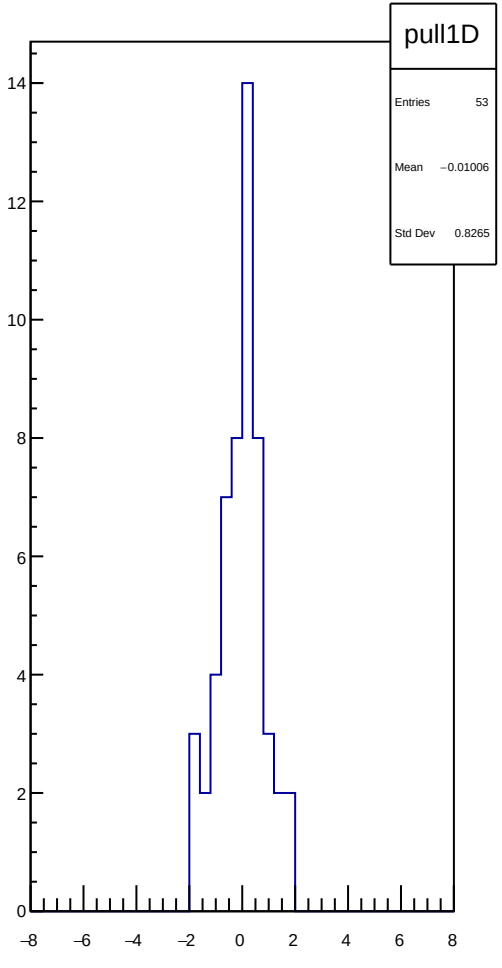

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 93.86 / 52
p0 422.7 ± 0.413
435
430
425
420
415
410
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

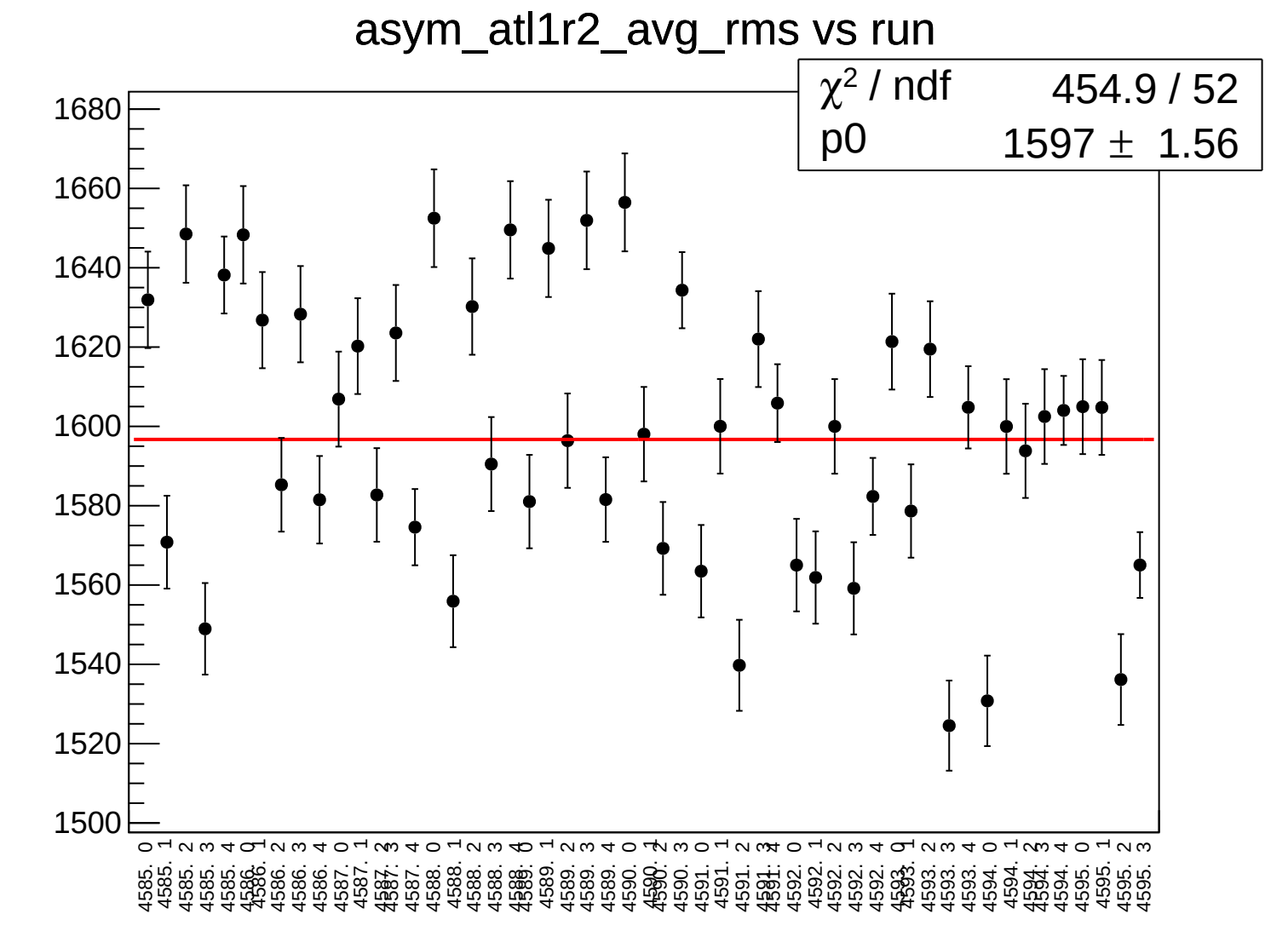

asym_atl1r2_avg_correction_mean vs run
χ² / ndf 30.98 / 52
p0 −2938 ± 2128
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 183.1
Std Dev 154.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

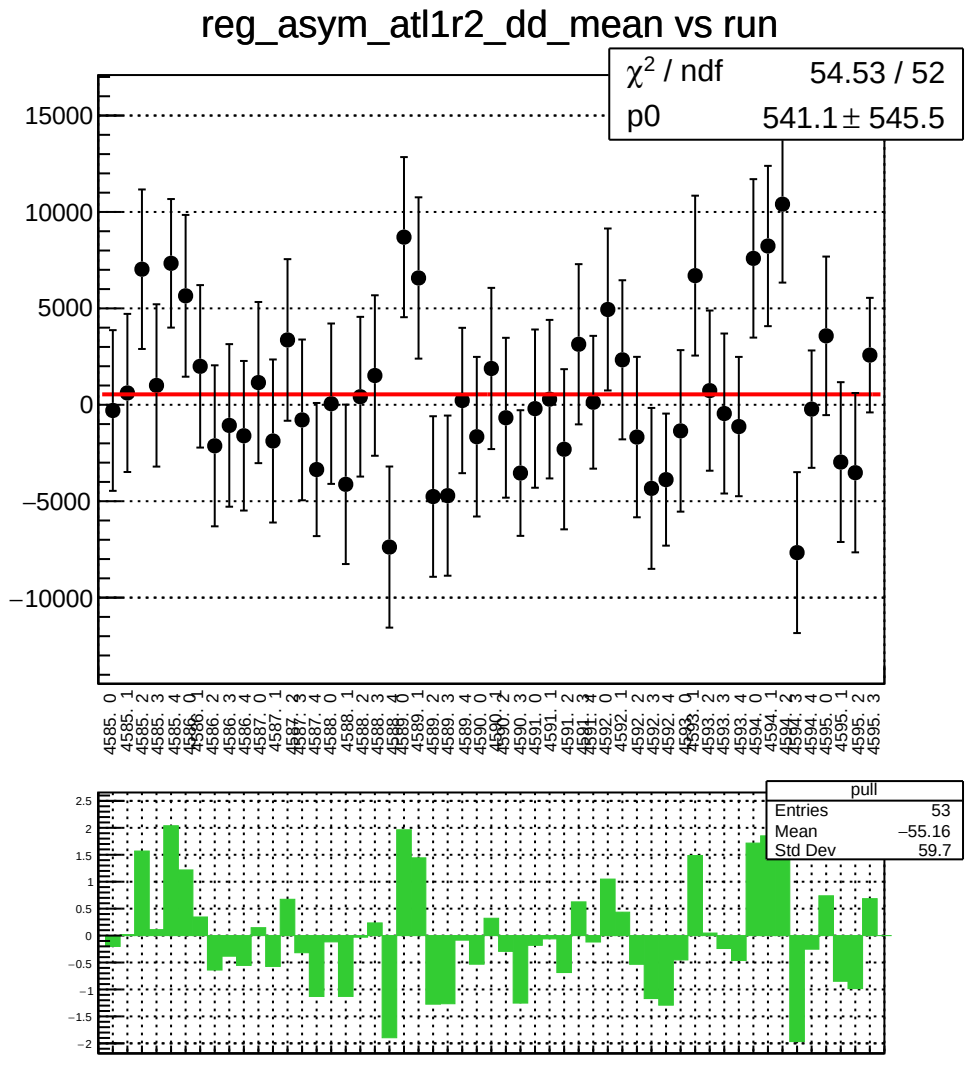

pull1D
Entries 53
Mean 0.01091
Std Dev 0.7644
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

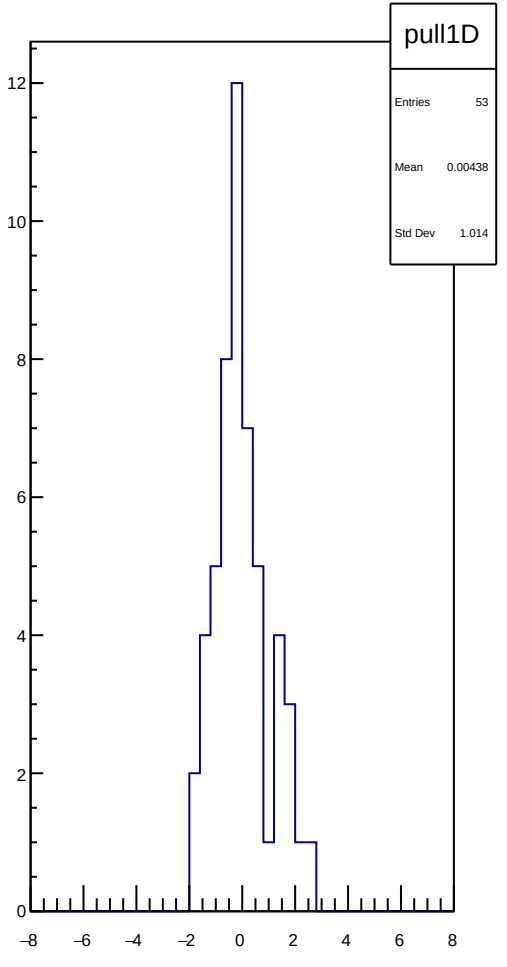

asym_atl1r2_avg_correction_rms vs run
χ² / ndf 516.8 / 52
p0 1540 ± 1.504
1620
1600
1580
1560
1540
1520
1500
1480
1460
1440

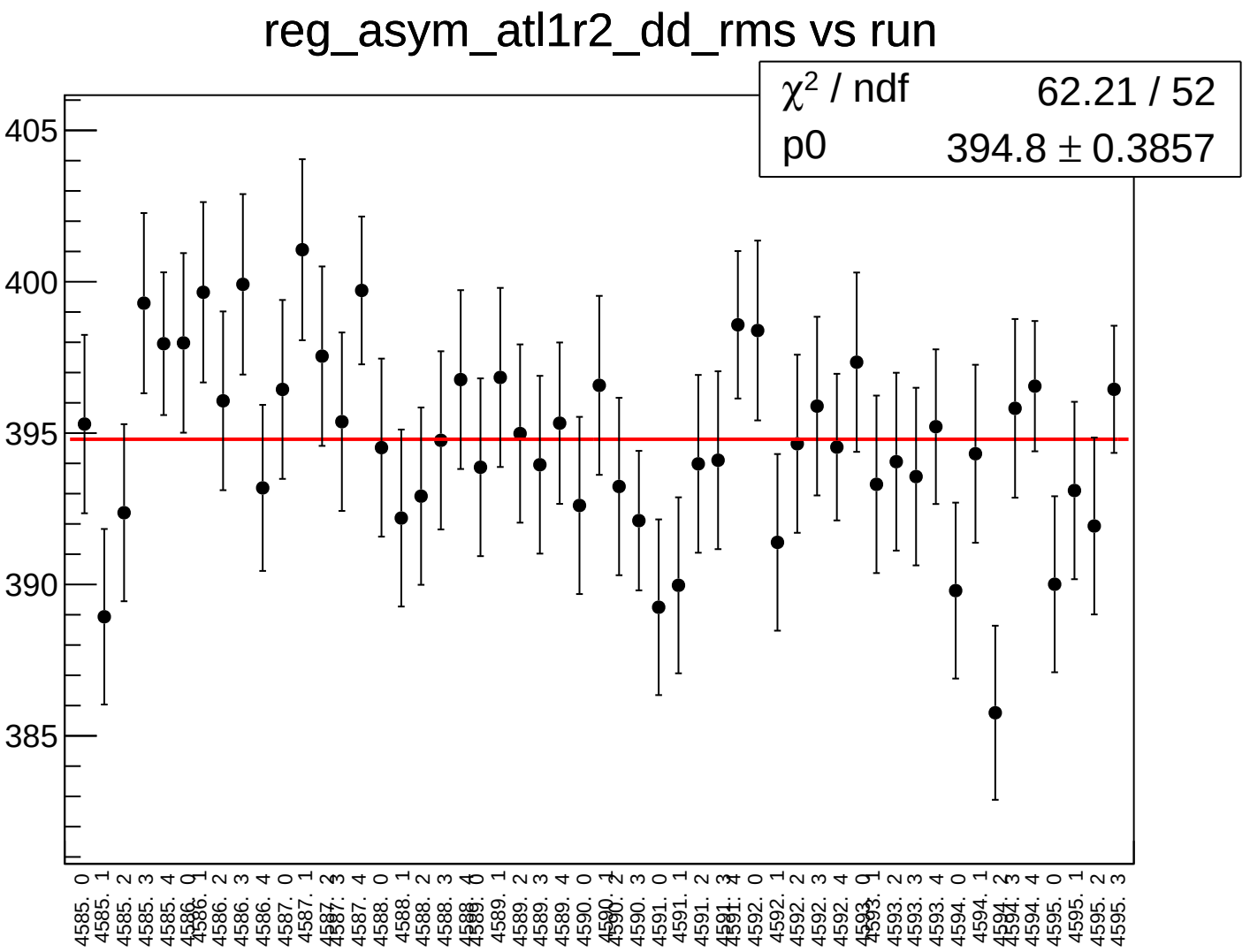

asym_atl1r2_avg_mean vs run
χ² / ndf 36.21 / 52
p0 2172 ± 2207
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 245
Std Dev 217.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

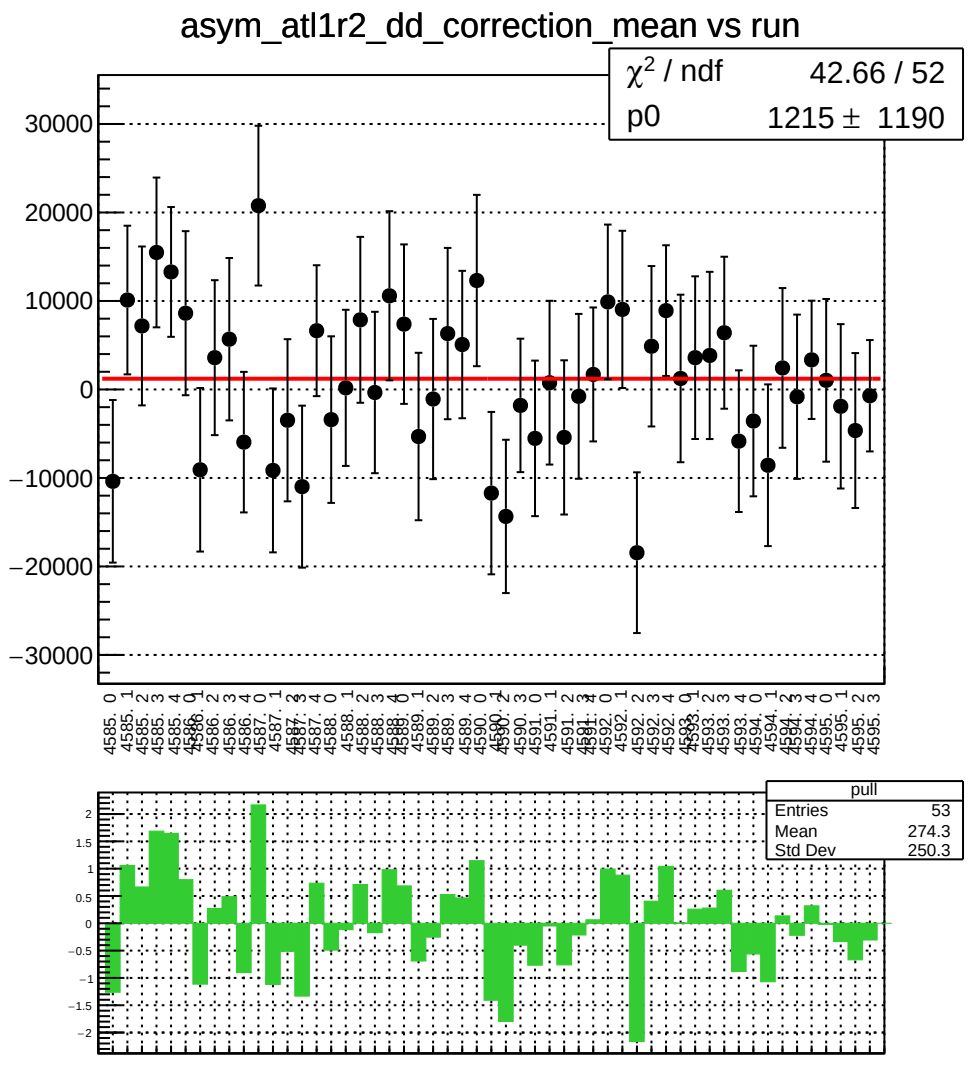

pull1D
Entries 53
Mean −0.01006
Std Dev 0.8265
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

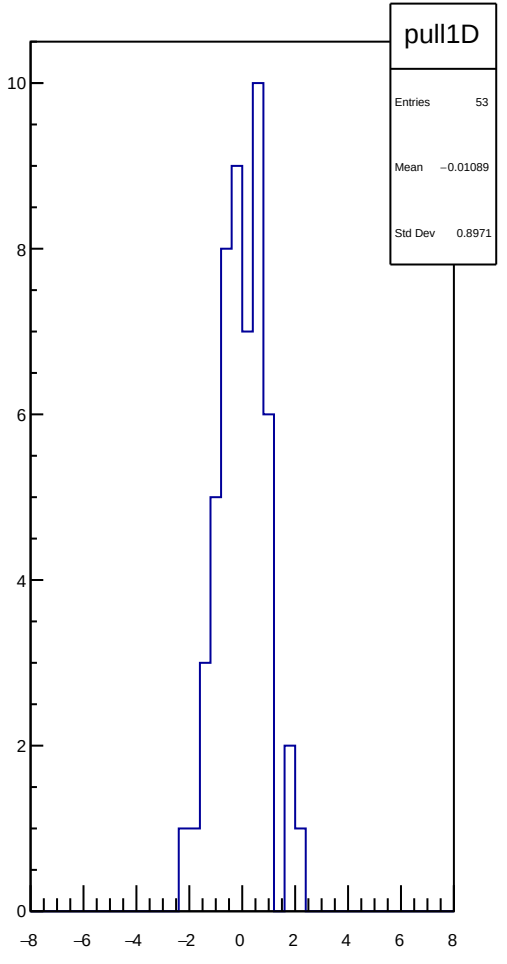

asym_atl1r2_avg_rms vs run
χ² / ndf 454.9 / 52
p0 1597 ± 1.56
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

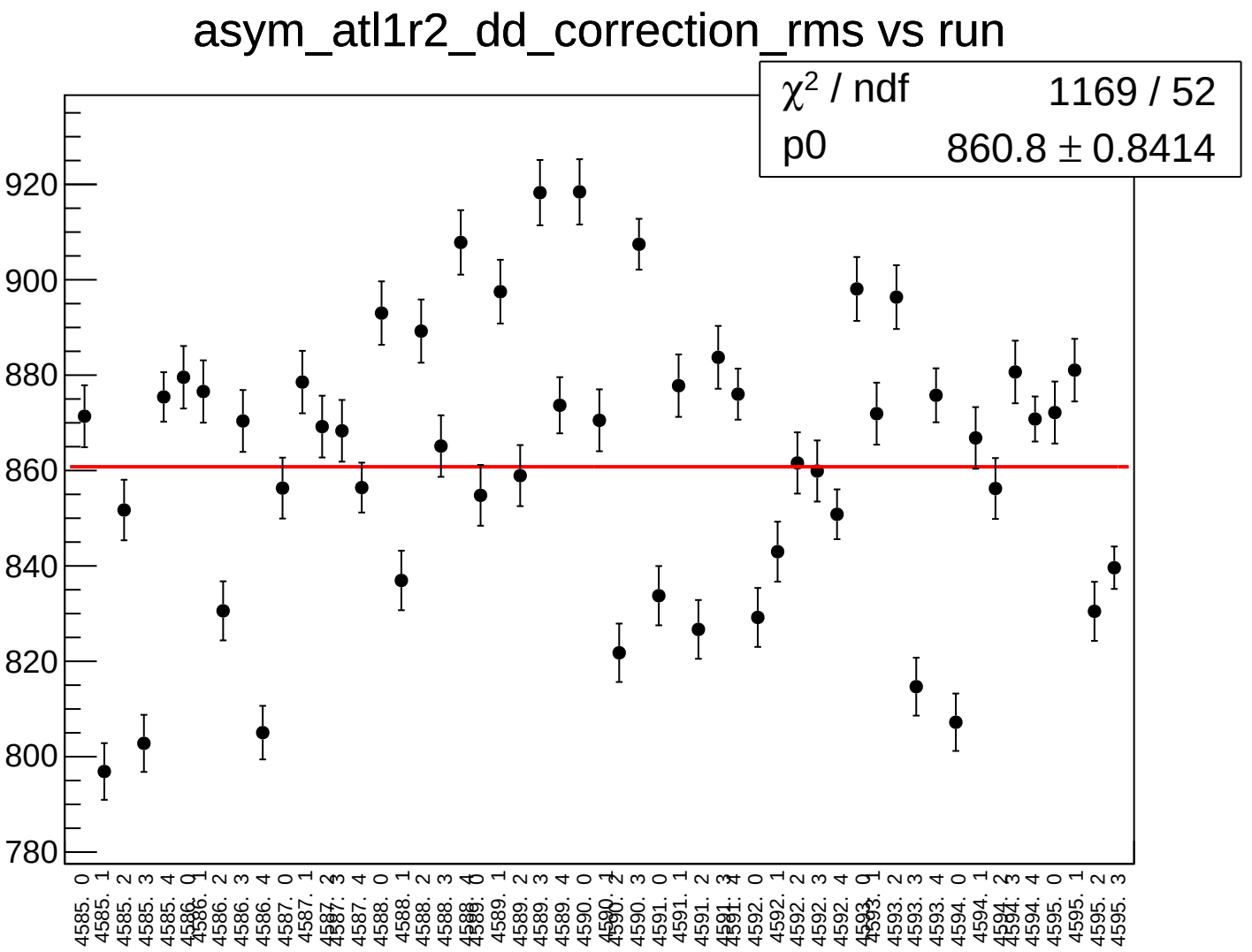

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 54.53 / 52
p0 541.1 ± 545.5
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −55.16
Std Dev 59.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

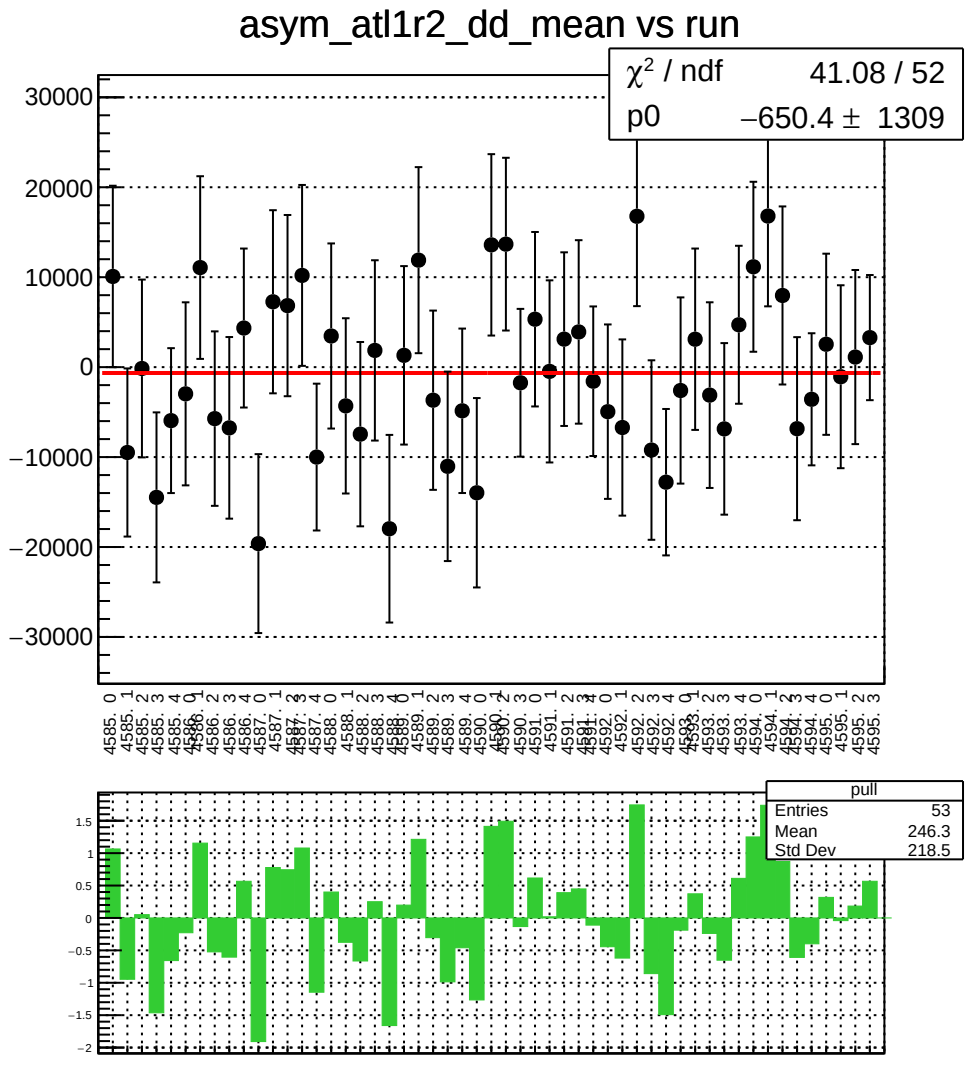

pull1D
Entries 53
Mean 0.00438
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

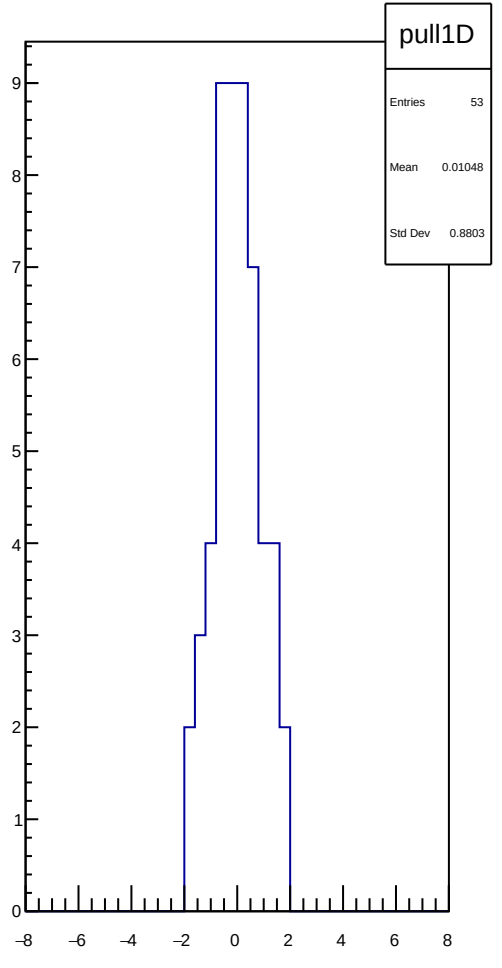

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 62.21 / 52
p0 394.8 ± 0.3857
405
400
395
390
385
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

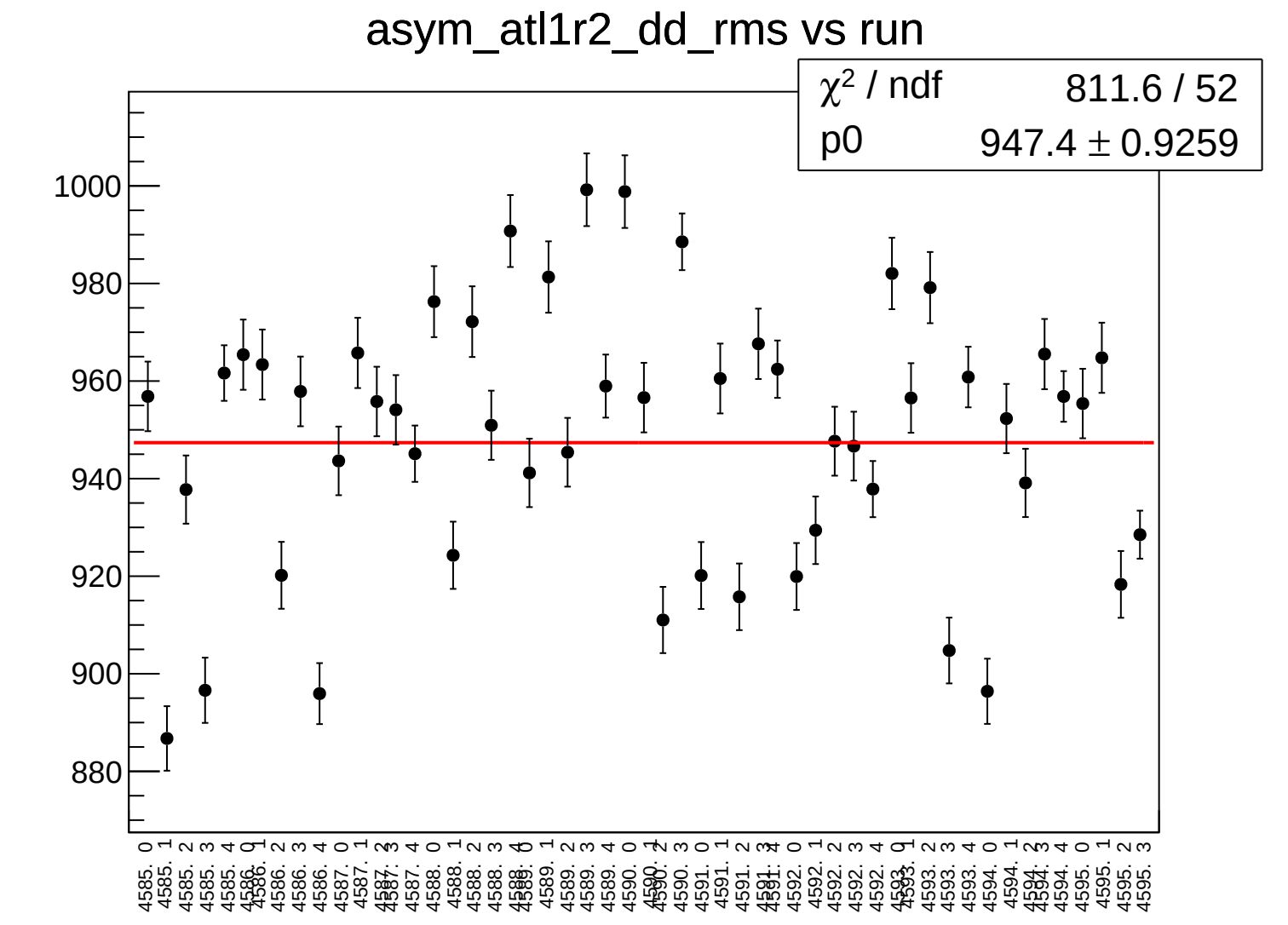

asym_atl1r2_dd_correction_mean vs run
χ² / ndf 42.66 / 52
p0 1215 ± 1190
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 53
Mean 274.3
Std Dev 250.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean −0.01089
Std Dev 0.8971
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_correction_rms vs run
χ² / ndf 1169 / 52
p0 860.8 ± 0.8414
920
900
880
860
840
820
800
780
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_atl1r2_dd_mean vs run
χ² / ndf 41.08 / 52
p0 −650.4 ± 1309
pull
Entries 53
Mean 246.3
Std Dev 218.5


pull1D
Entries 53
Mean 0.01048
Std Dev 0.8803


asym_atl1r2_dd_rms vs run
χ² / ndf 811.6 / 52
p0 947.4 ± 0.9259
1000
980
960
940
920
900
880
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
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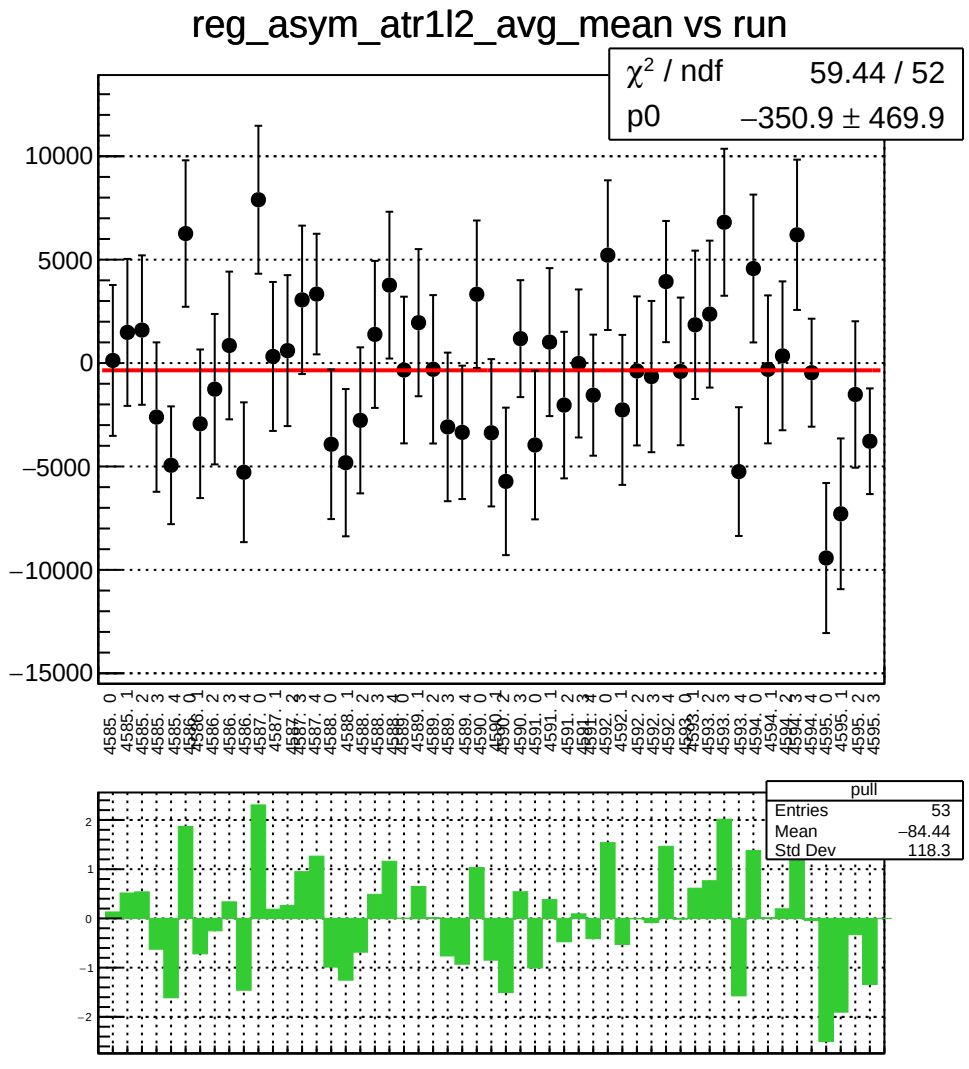
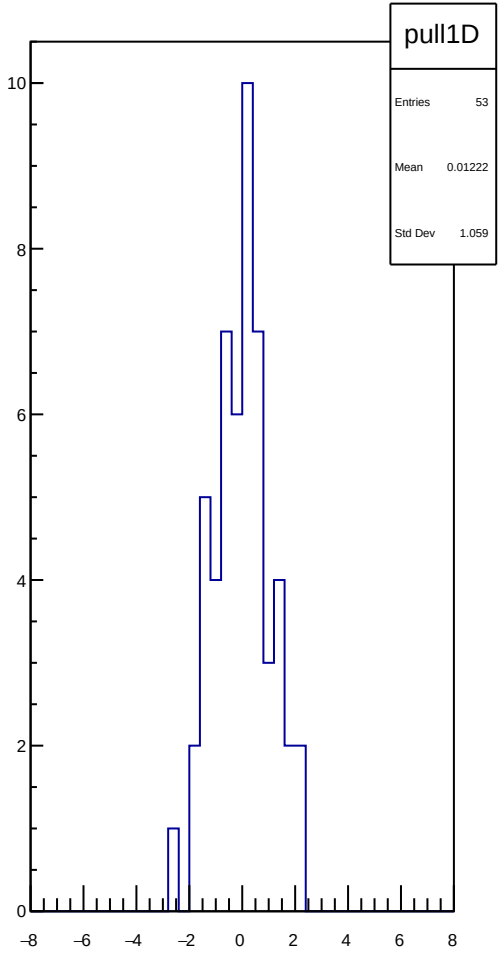
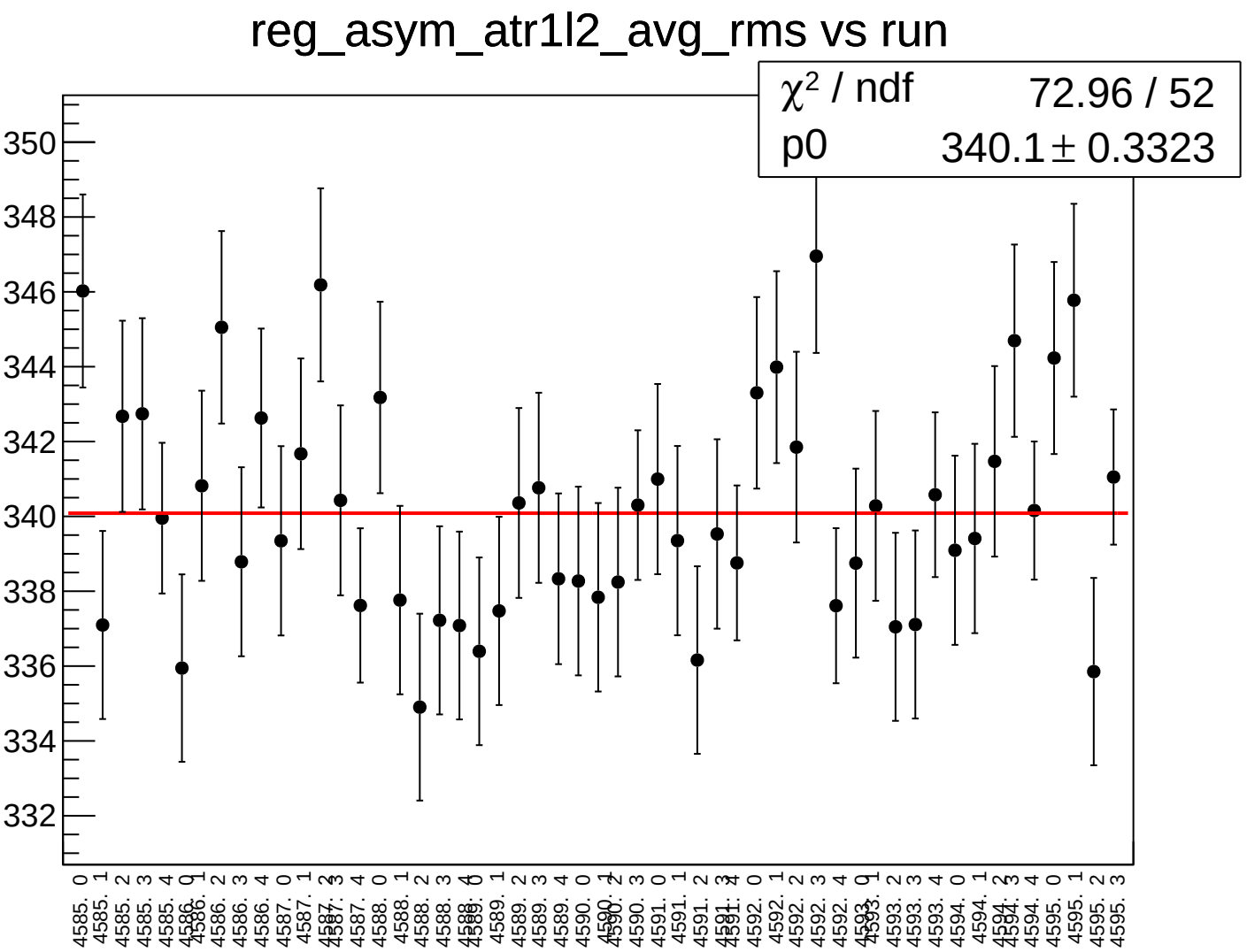
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


reg_asym_atr1l2_avg_mean vs run
χ² / ndf 59.44 / 52
p0 −350.9 ± 469.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −84.44
Std Dev 118.3
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.01222
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1l2_avg_rms vs run
χ² / ndf 72.96 / 52
p0 340.1 ± 0.3323
350
348
346
344
342
340
338
336
334
332
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
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4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
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4594. 1
4594. 2
4594. 3
4594. 4
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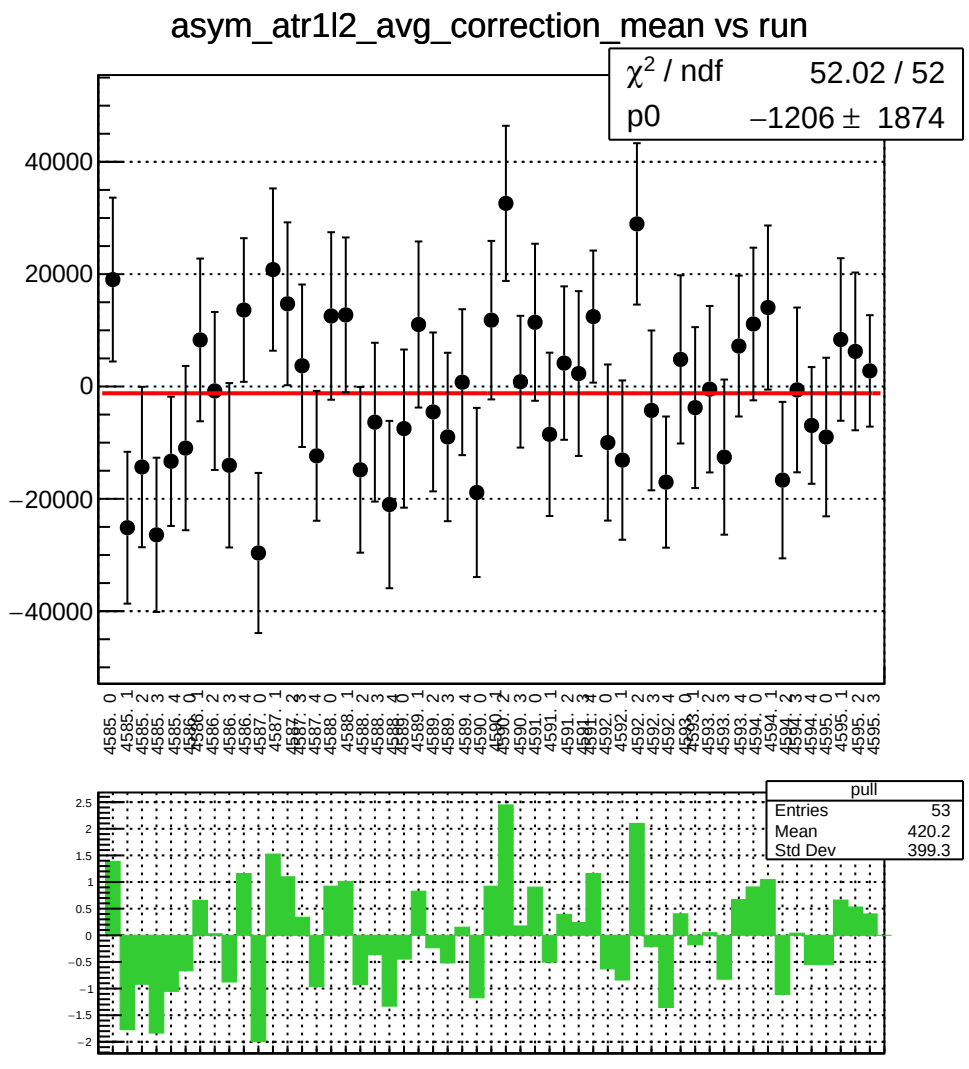
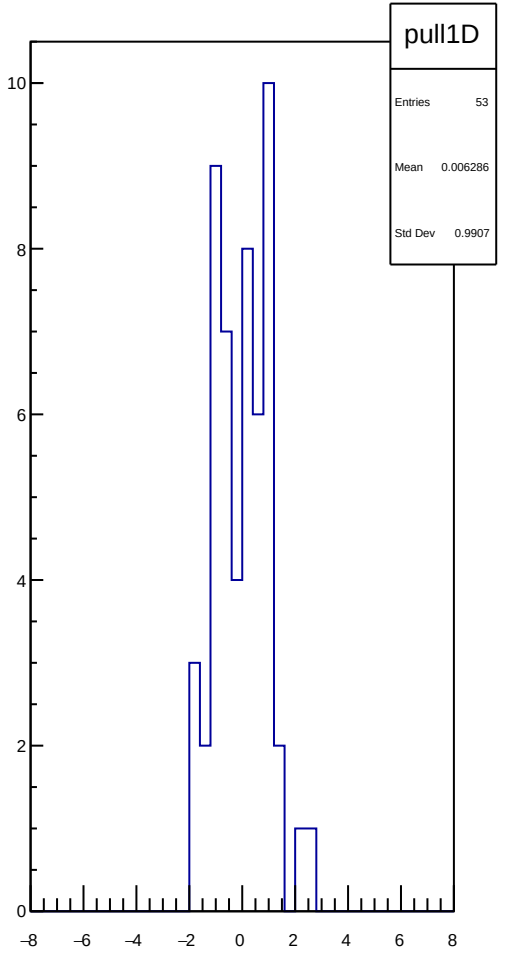
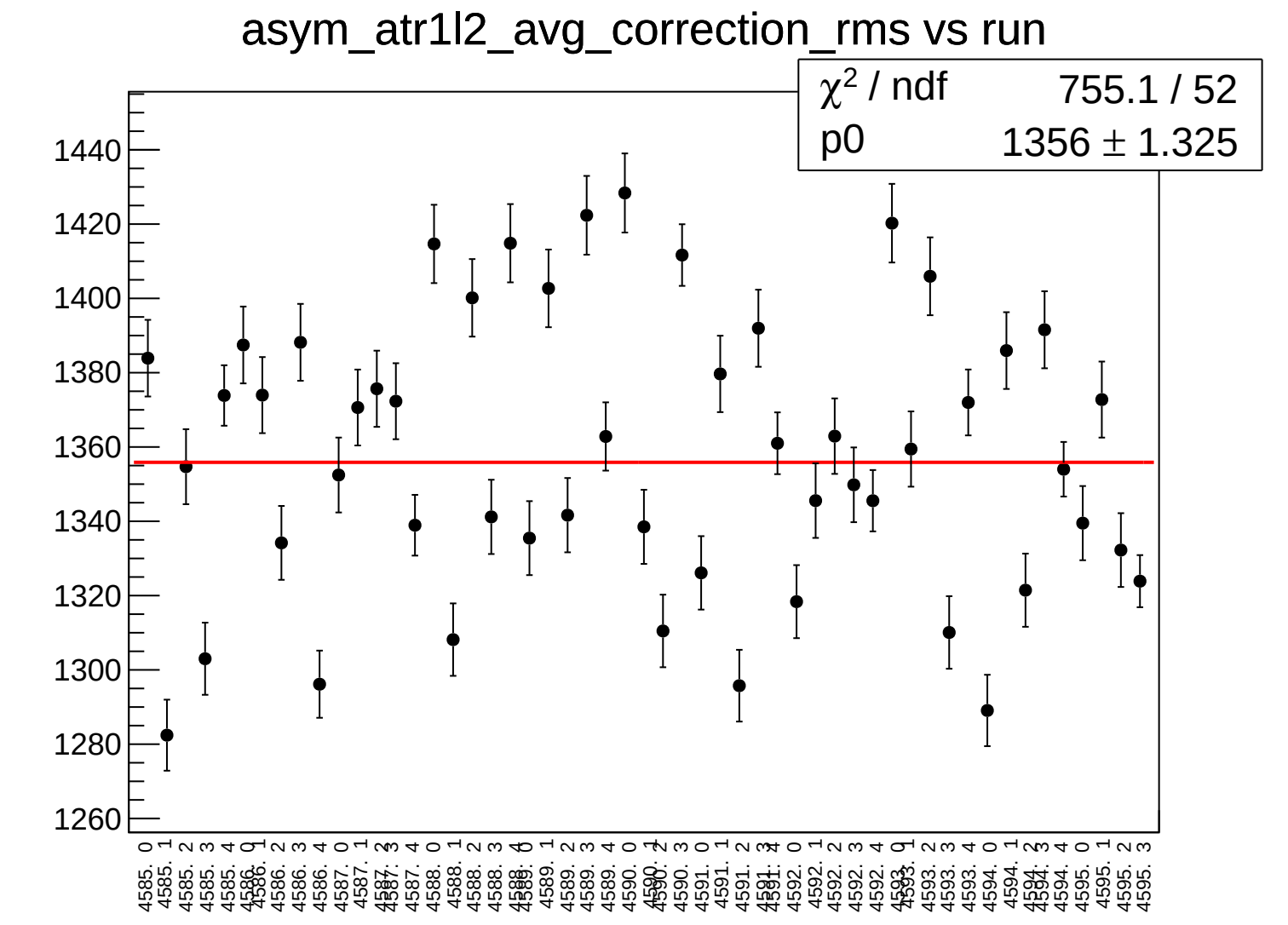
4595. 2
4595. 3


asym_atr1l2_avg_correction_mean vs run
χ² / ndf 52.02 / 52
p0 −1206 ± 1874
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 420.2
Std Dev 399.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean 0.006286
Std Dev 0.9907
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_avg_correction_rms vs run
χ² / ndf 755.1 / 52
p0 1356 ± 1.325
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
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4588. 1
4588. 2
4588. 3
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4590. 2
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4591. 1
4591. 2
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4592. 1
4592. 2
4592. 3
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4593. 1
4593. 2
4593. 3
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4594. 3
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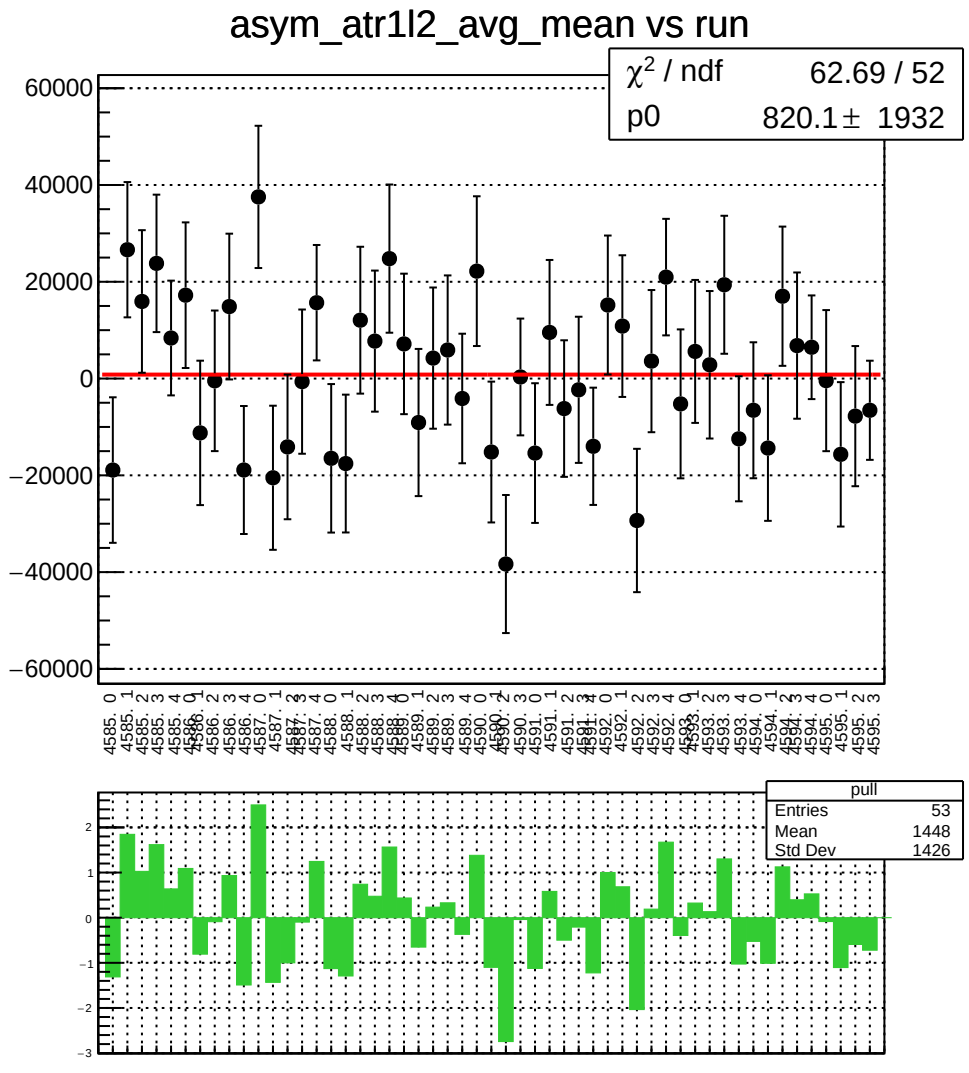
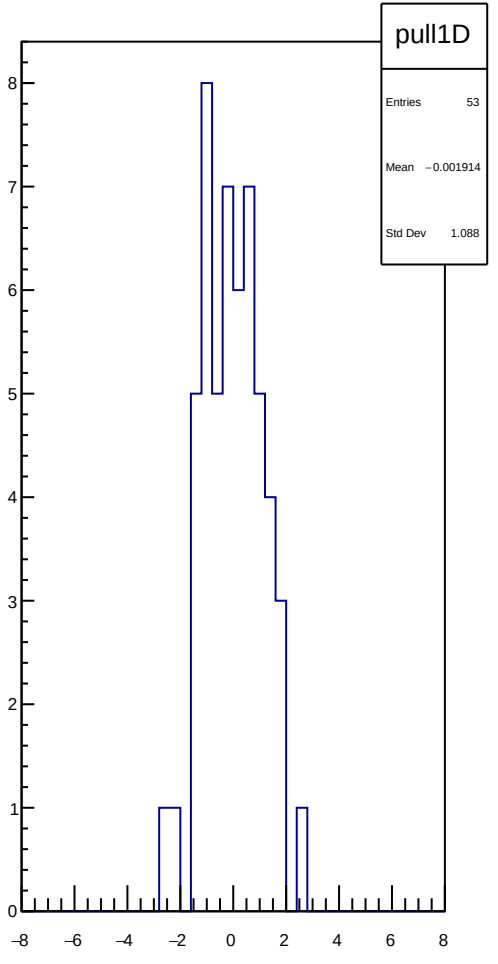
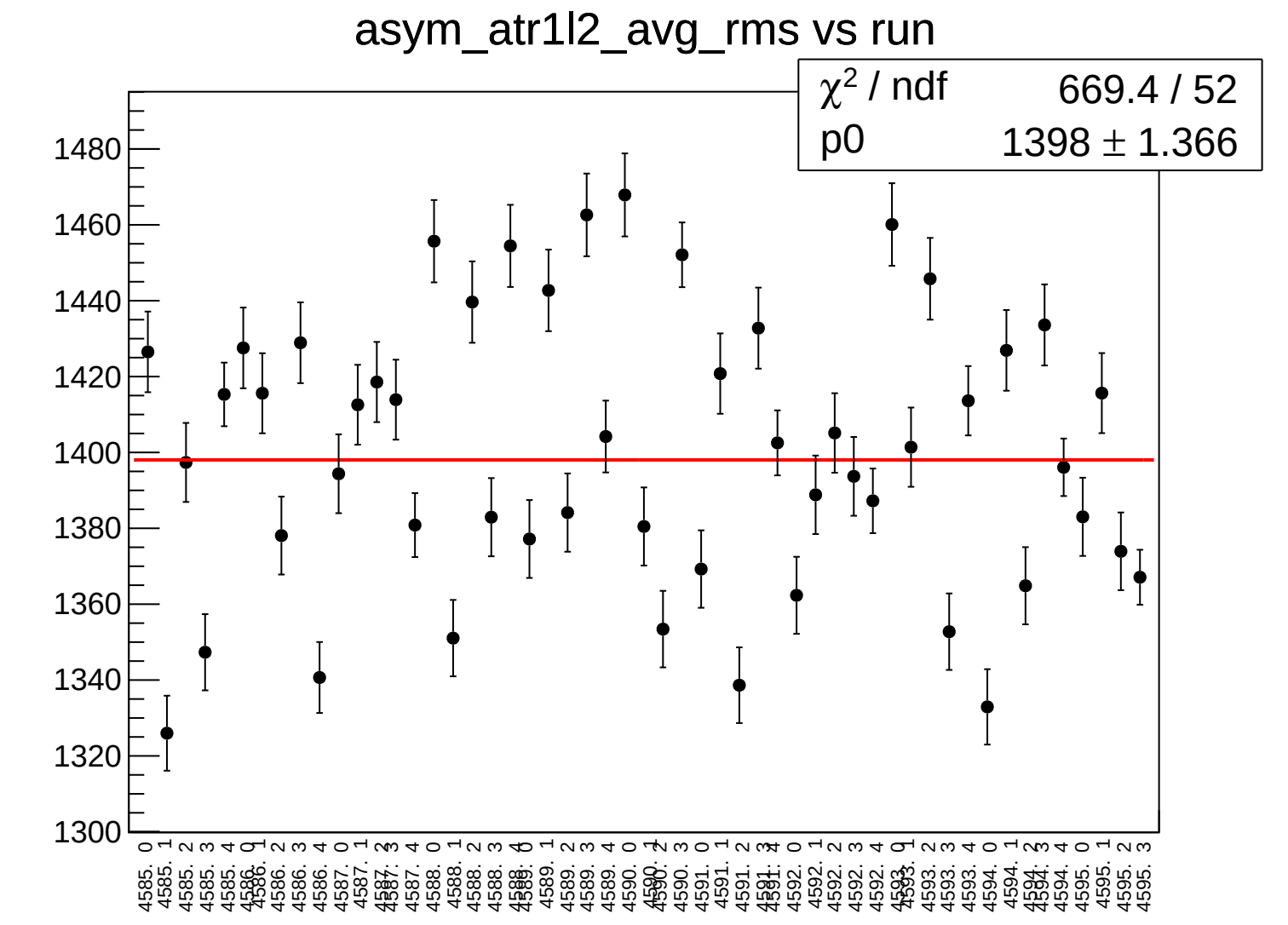
4595. 2
4595. 3


asym_atr1l2_avg_mean vs run
χ² / ndf 62.69 / 52
p0 820.1 ± 1932
pull
Entries 53
Mean 1448
Std Dev 1426


pull1D
Entries 53
Mean −0.001914
Std Dev 1.088


asym_atr1l2_avg_rms vs run
χ² / ndf 669.4 / 52
p0 1398 ± 1.366
1480
1460
1440
1420
1400
1380
1360
1340
1320
1300
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
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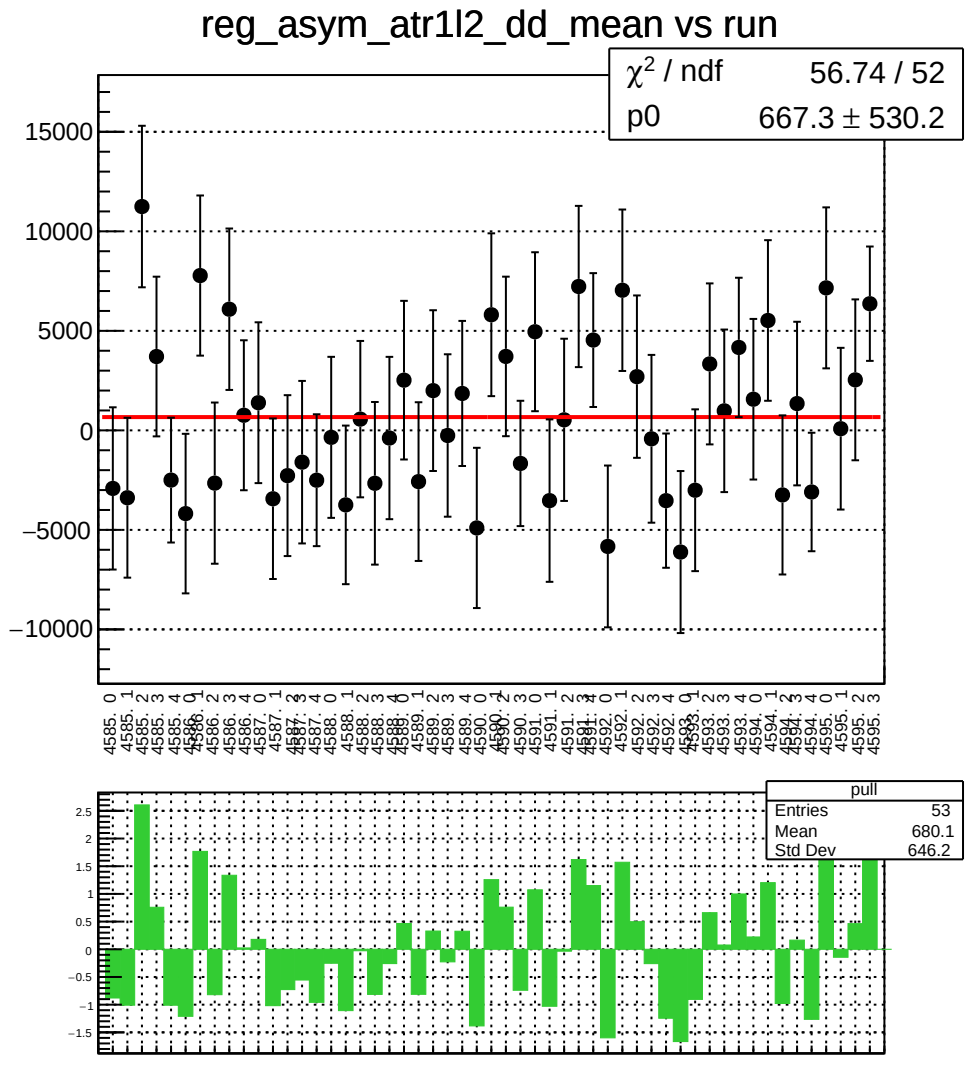
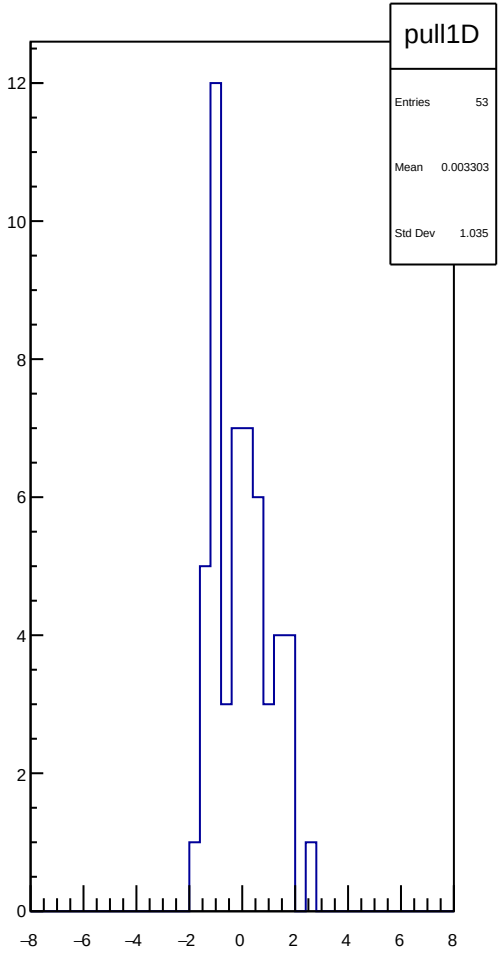
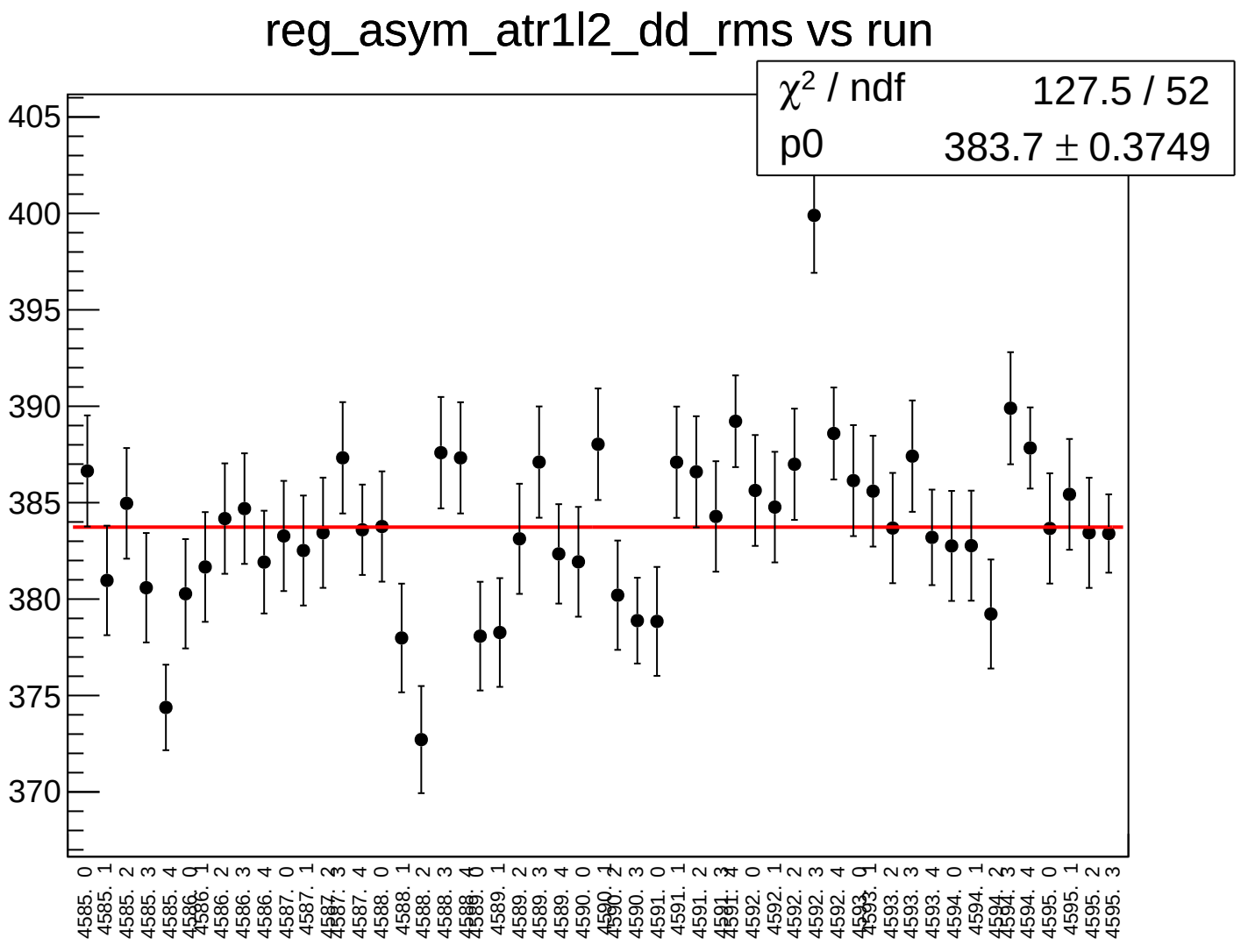
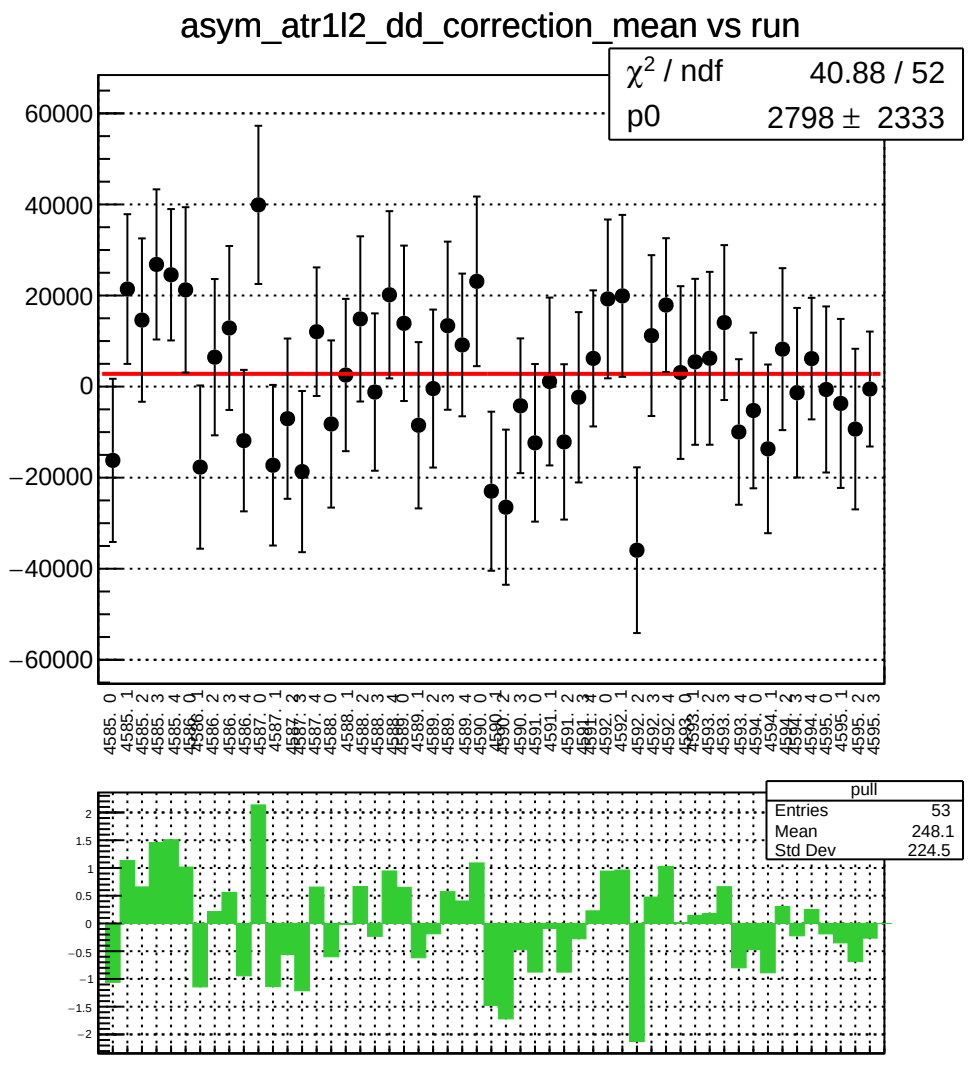
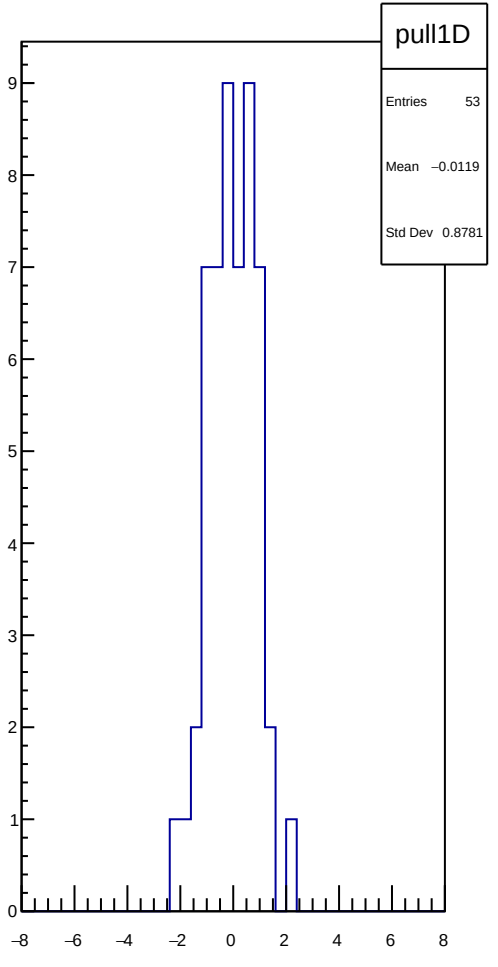
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

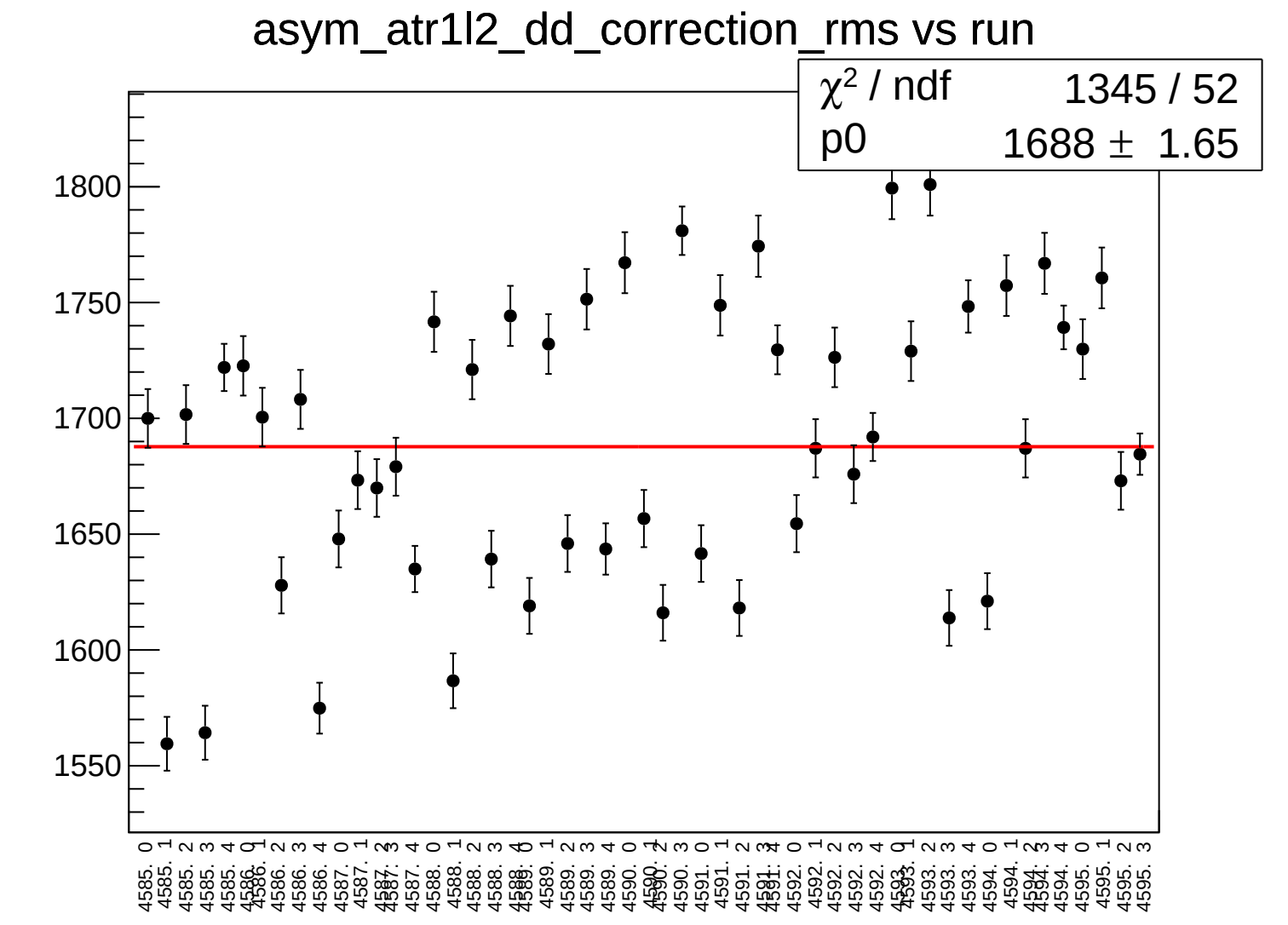

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 56.74 / 52
p0 667.3 ± 530.2
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 680.1
Std Dev 646.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

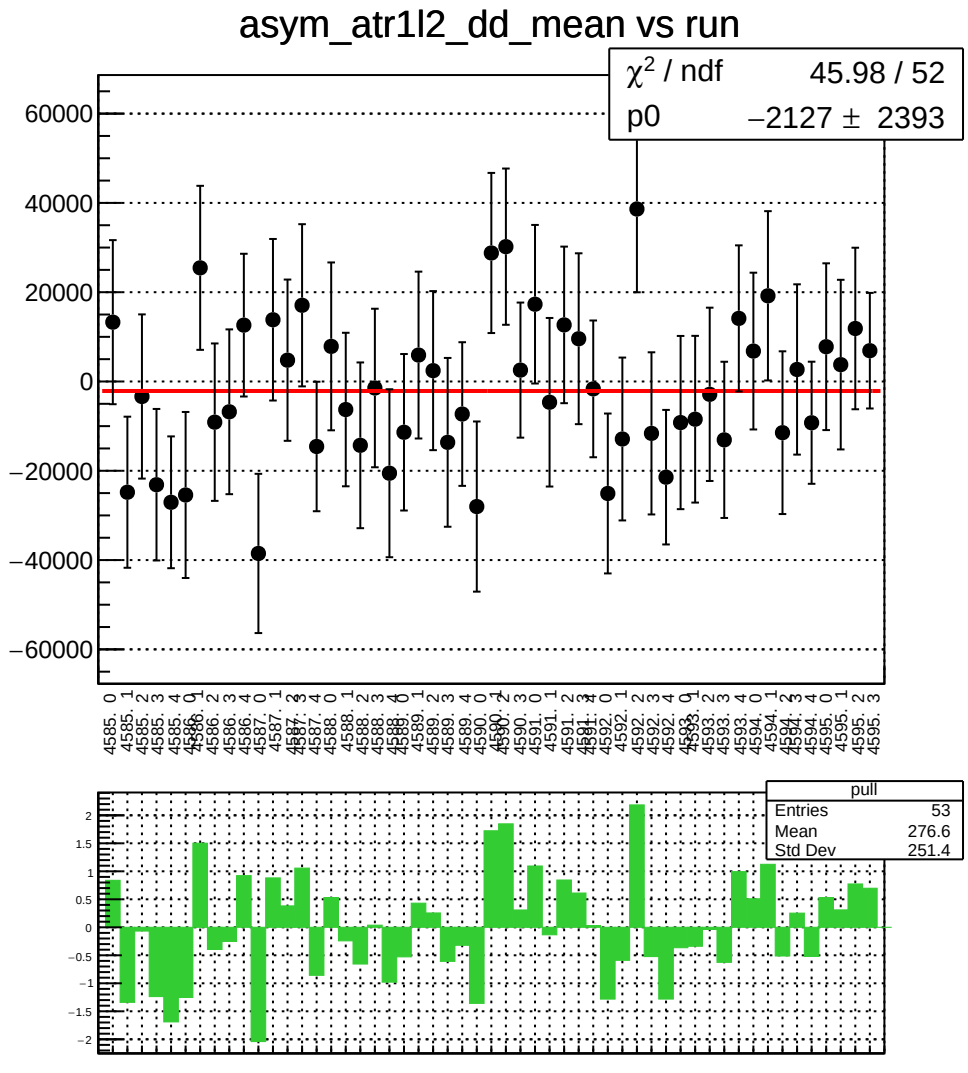

pull1D
Entries 53
Mean 0.003303
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

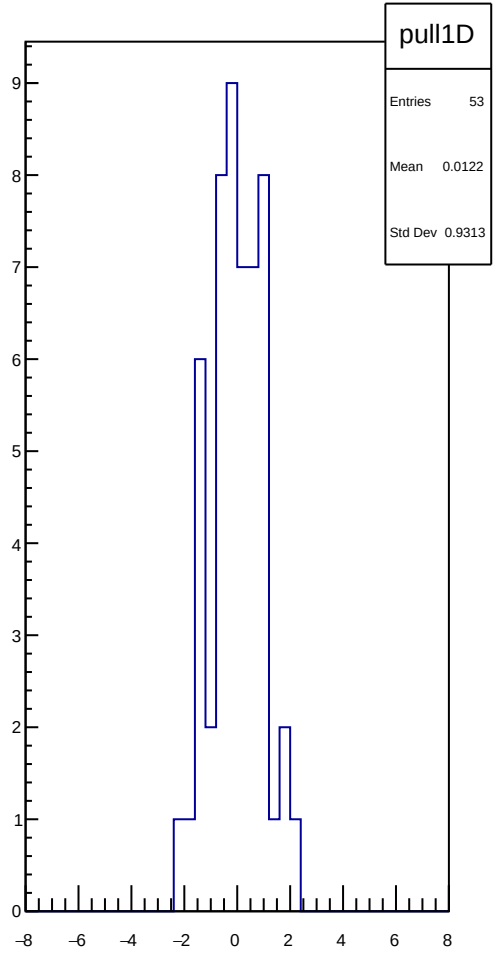

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 127.5 / 52
p0 383.7 ± 0.3749
405
400
395
390
385
380
375
370
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

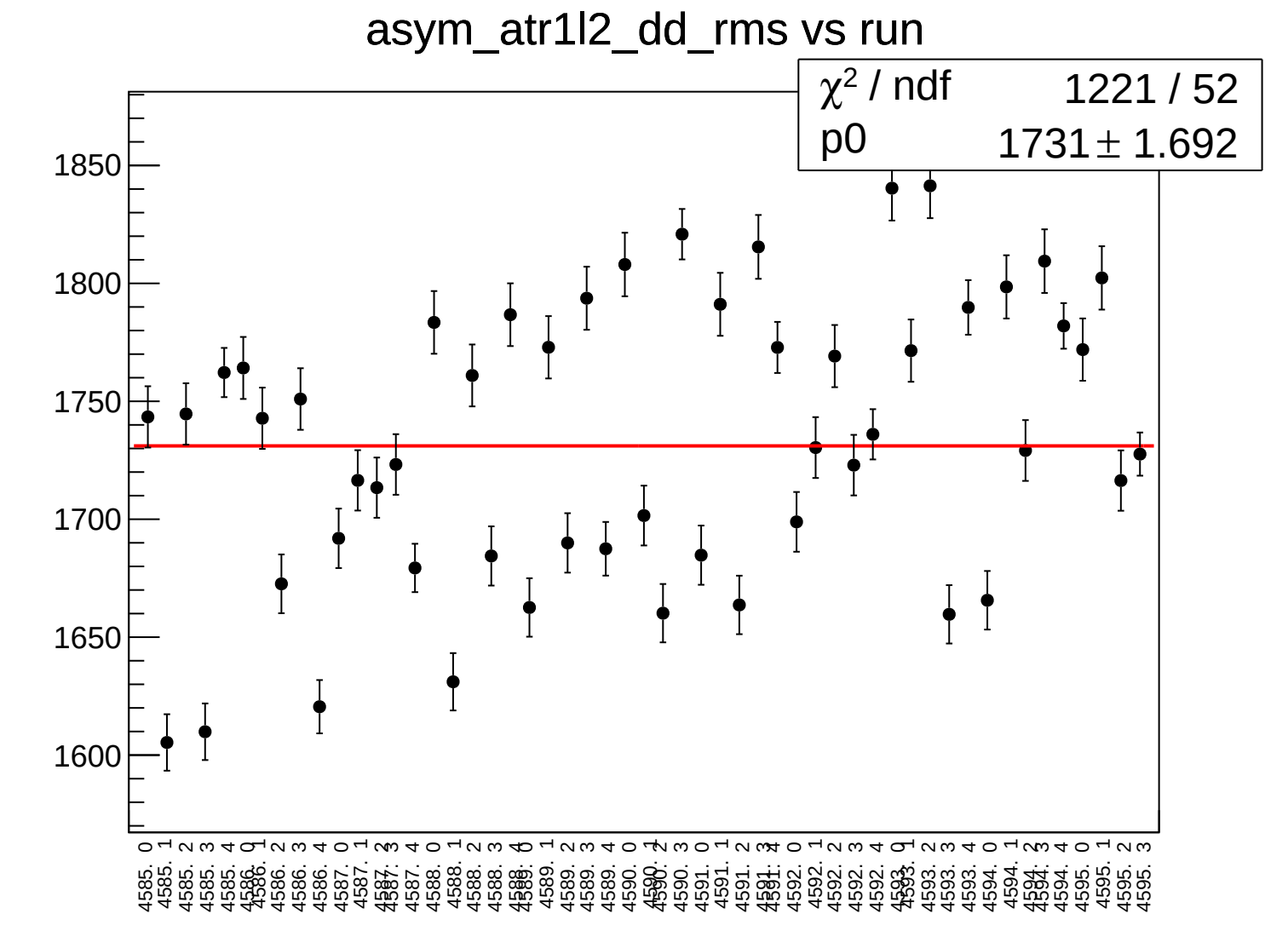

asym_atr1l2_dd_correction_mean vs run
χ² / ndf 40.88 / 52
p0 2798 ± 2333
pull
Entries 53
Mean 248.1
Std Dev 224.5


pull1D
Entries 53
Mean −0.0119
Std Dev 0.8781


asym_atr1l2_dd_correction_rms vs run
χ² / ndf 1345 / 52
p0 1688 ± 1.65
1800
1750
1700
1650
1600
1550
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_atr1l2_dd_mean vs run
χ² / ndf 45.98 / 52
p0 −2127 ± 2393
pull
Entries 53
Mean 276.6
Std Dev 251.4


pull1D
Entries 53
Mean 0.0122
Std Dev 0.9313


asym_atr1l2_dd_rms vs run
χ² / ndf 1221 / 52
p0 1731 ± 1.692
1850
1800
1750
1700
1650
1600
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
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4591. 1
4591. 2
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
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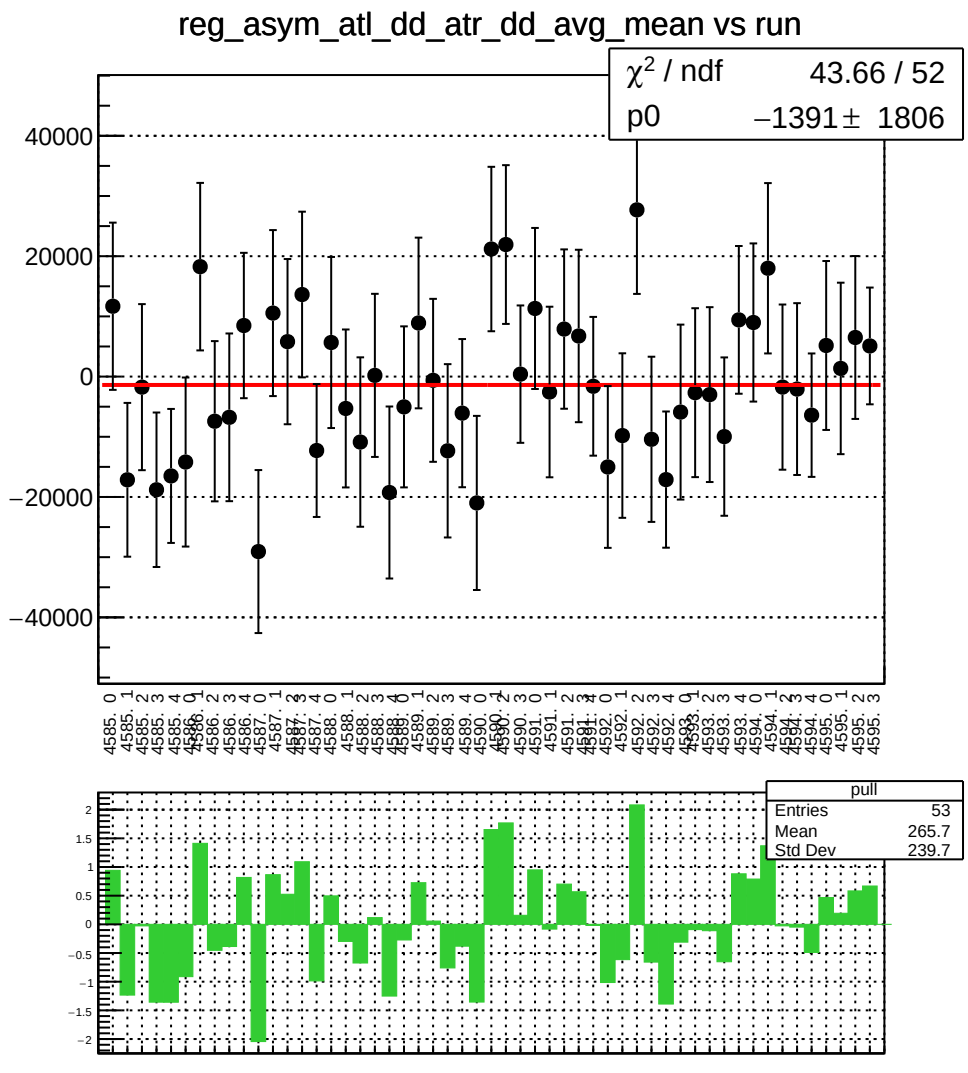
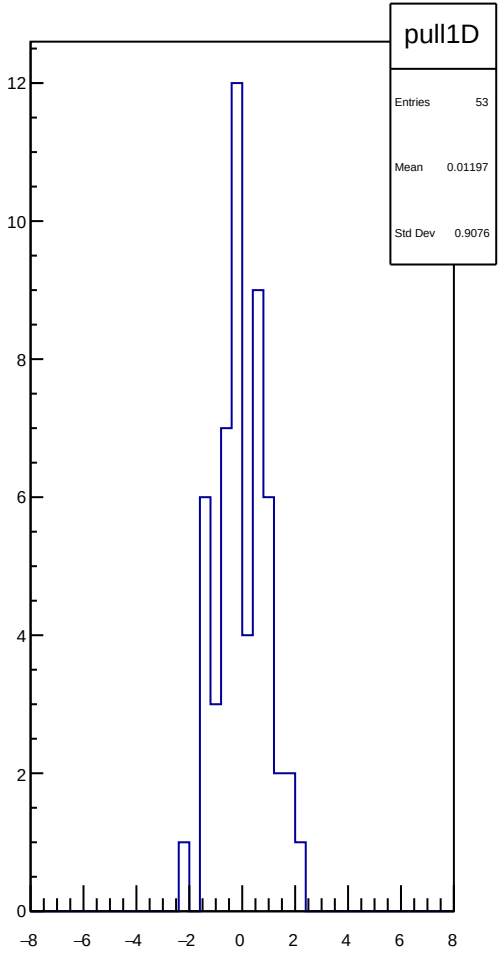
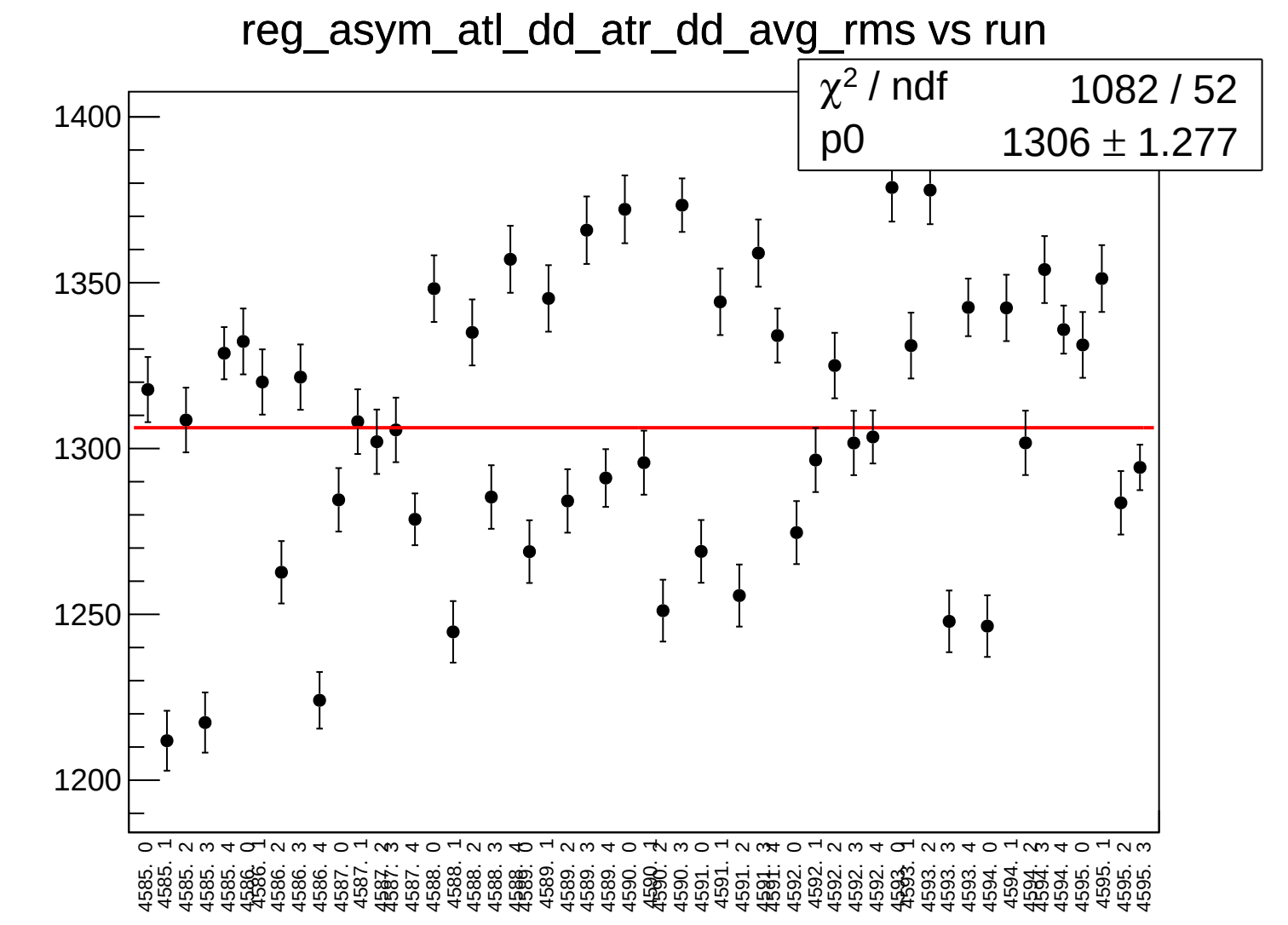
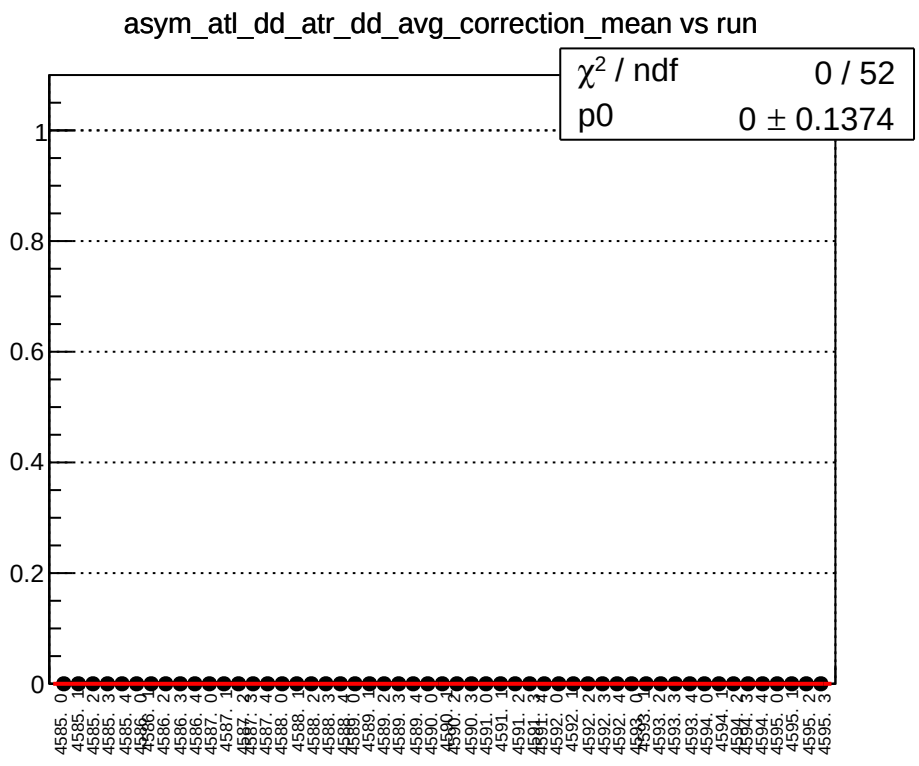
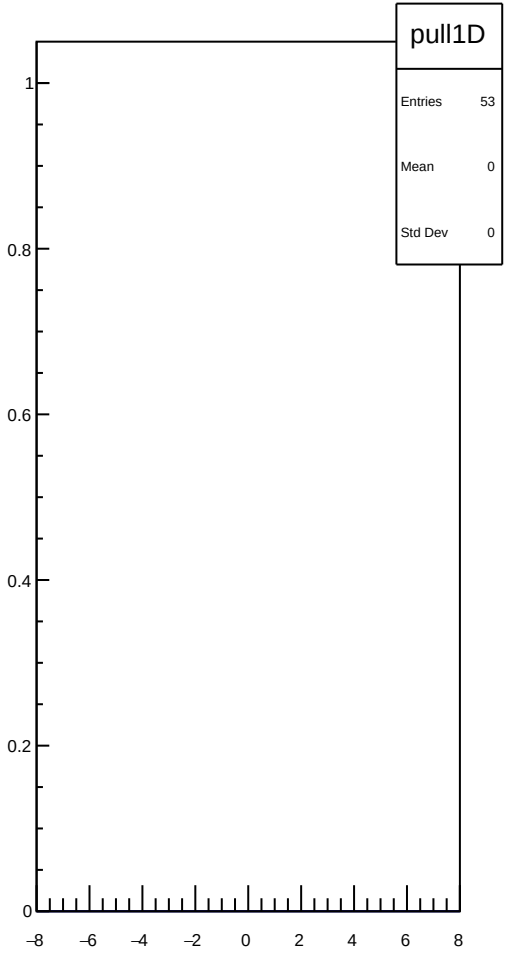
4593. 4
4594. 0
4594. 1
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

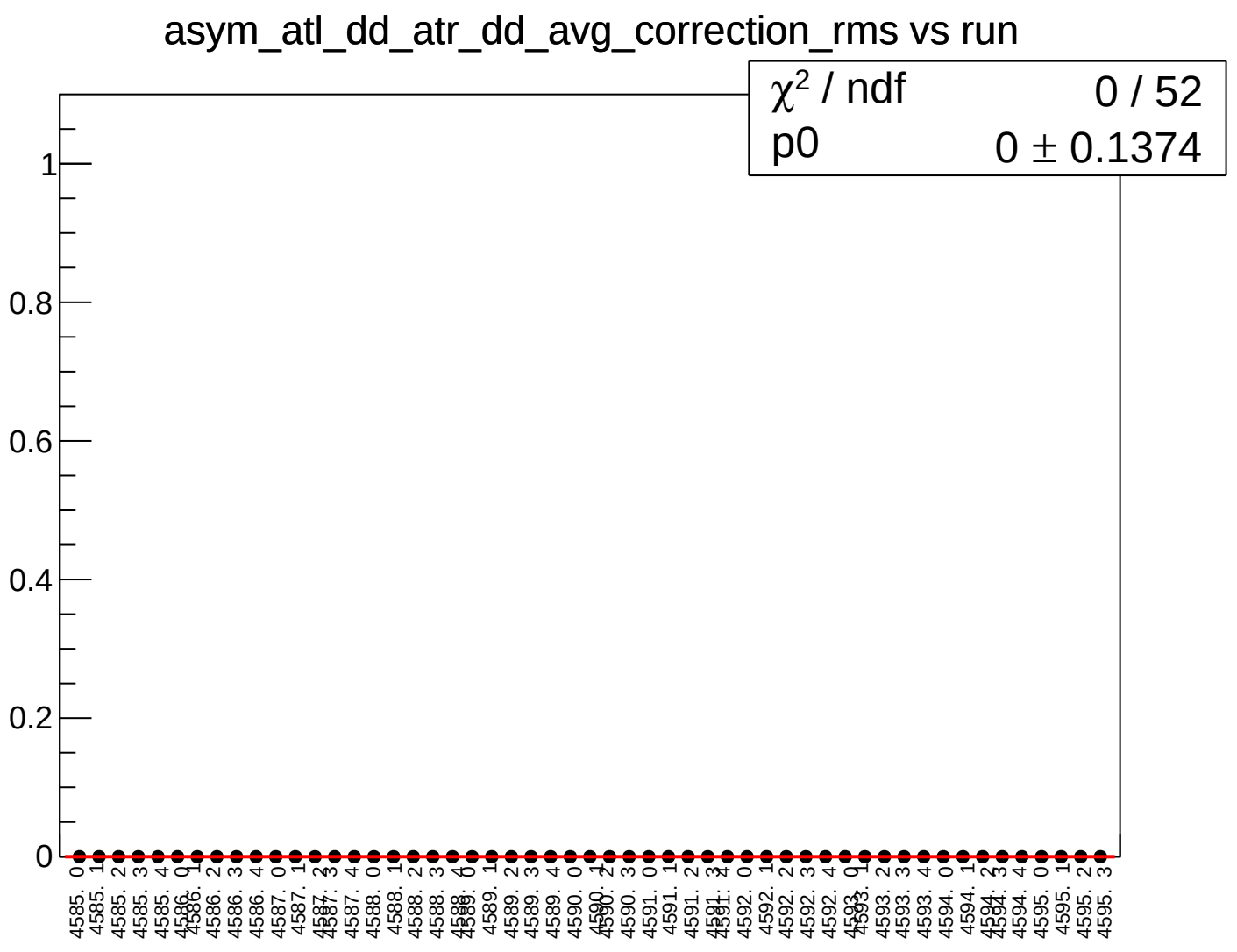

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 43.66 / 52
p0 −1391 ± 1806
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 265.7
Std Dev 239.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

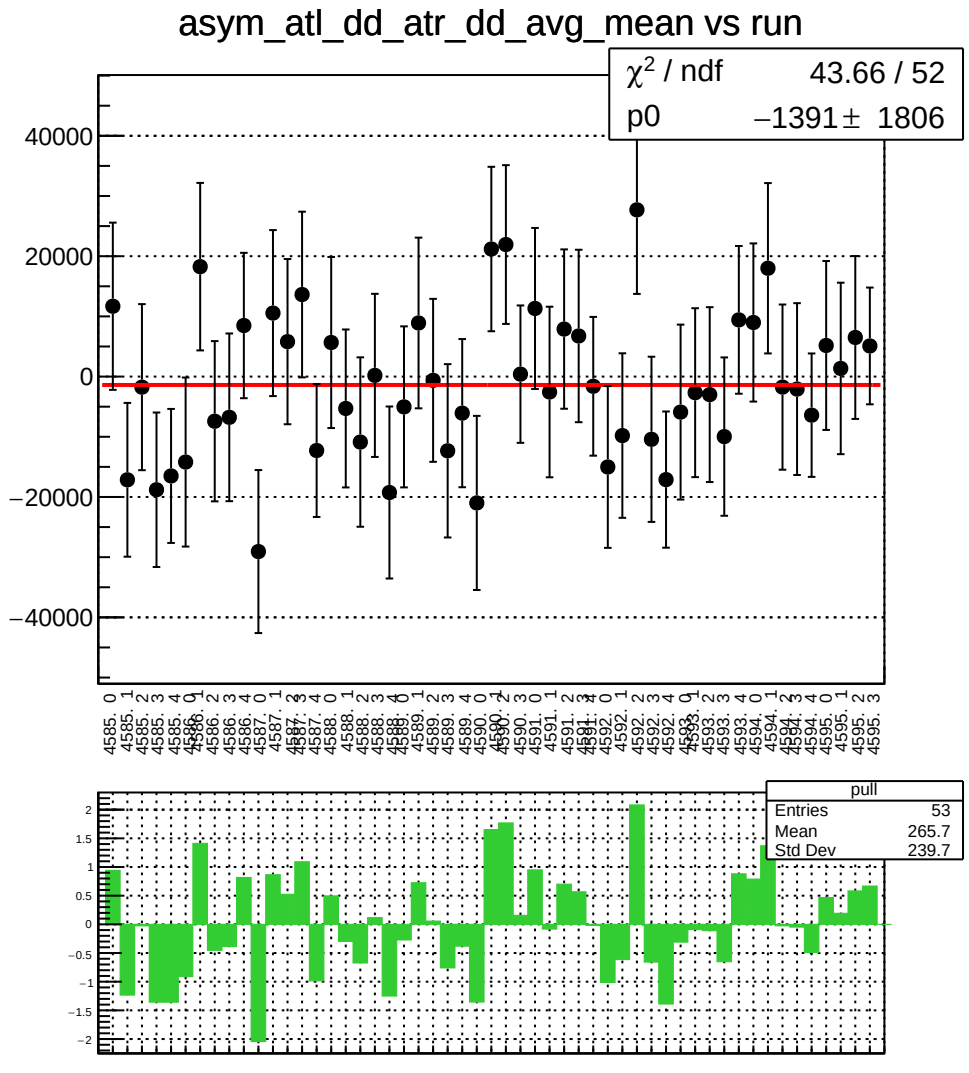

pull1D
Entries 53
Mean 0.01197
Std Dev 0.9076
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

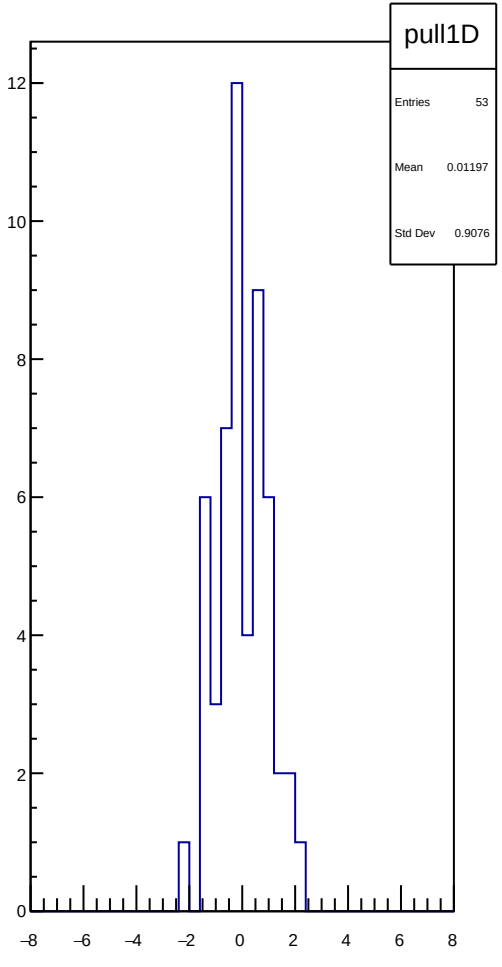

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1082 / 52
p0 1306 ± 1.277
1400
1350
1300
1250
1200

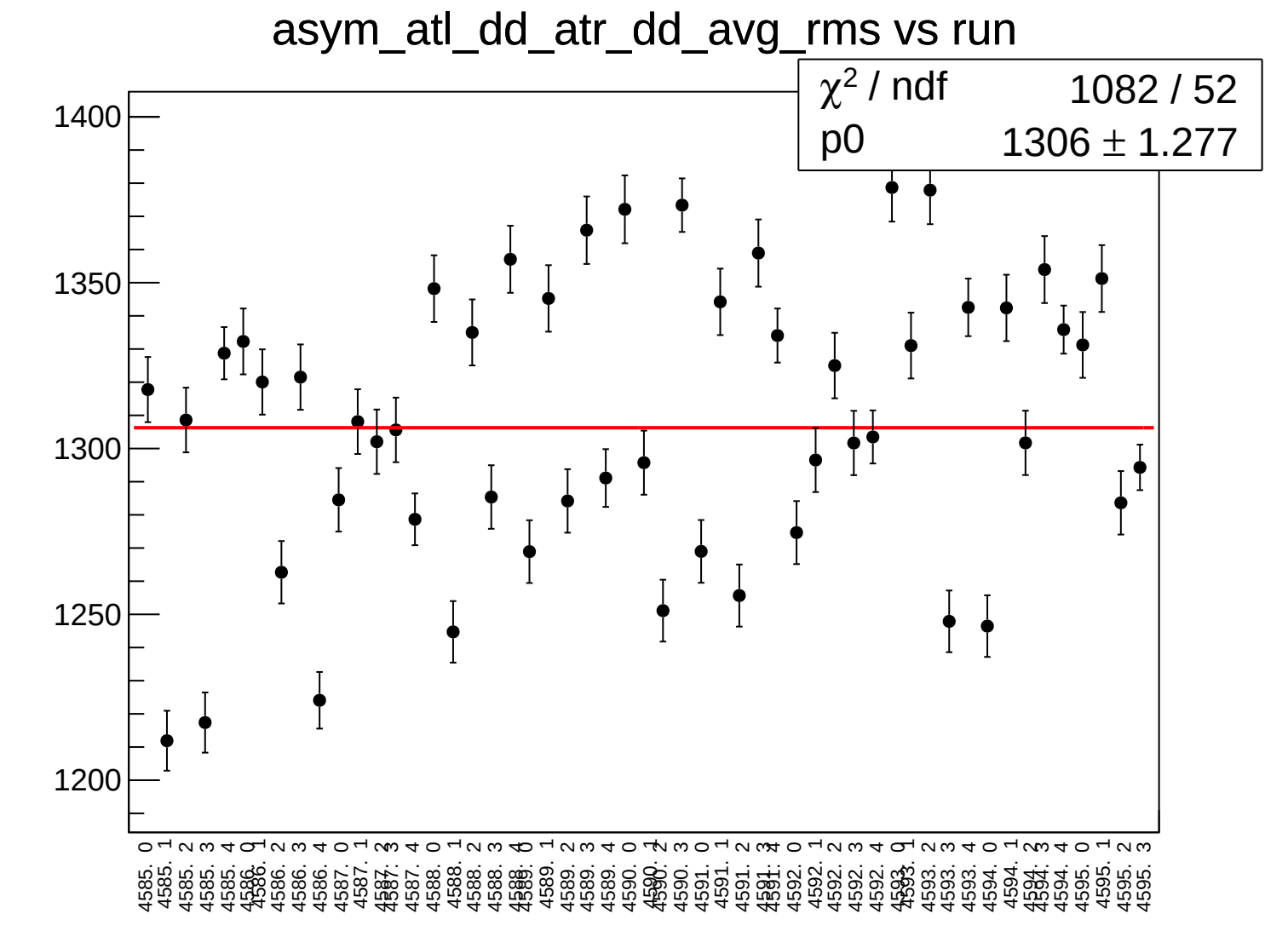

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0

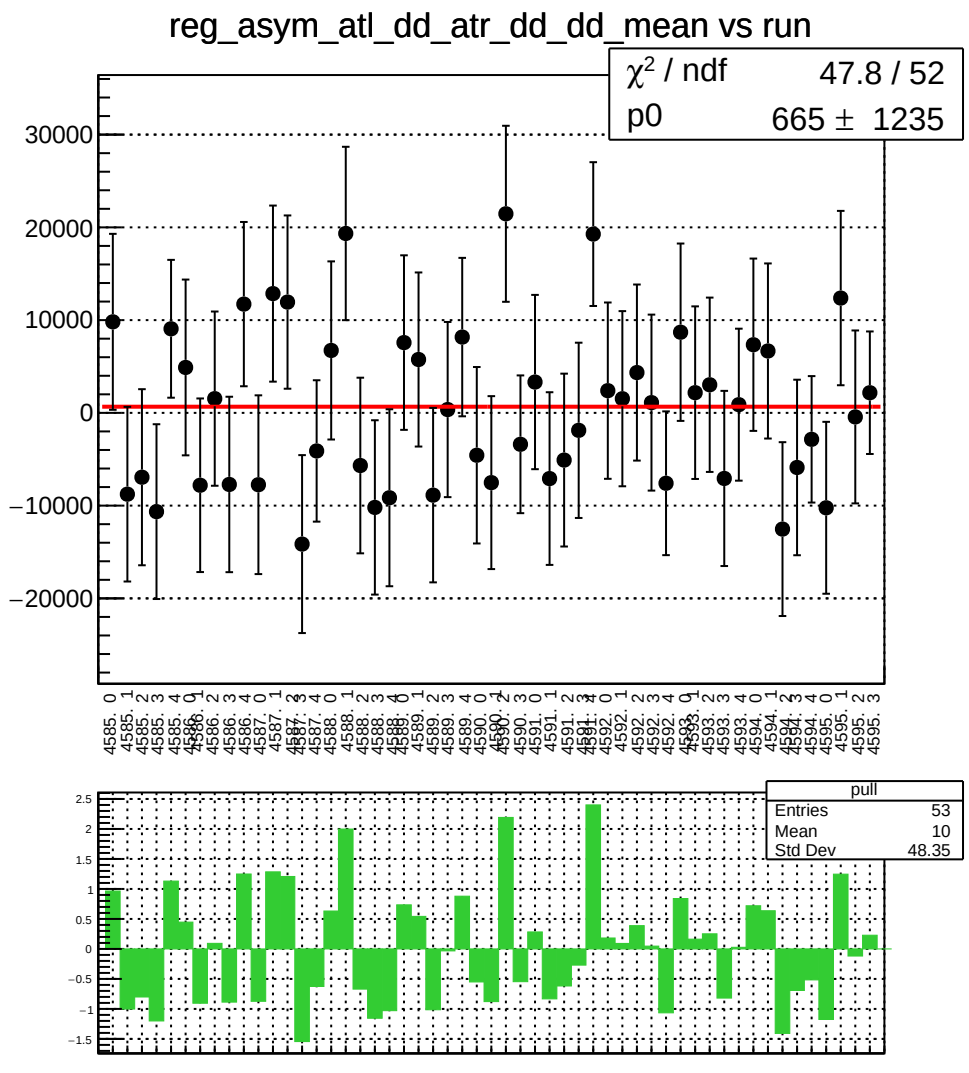

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

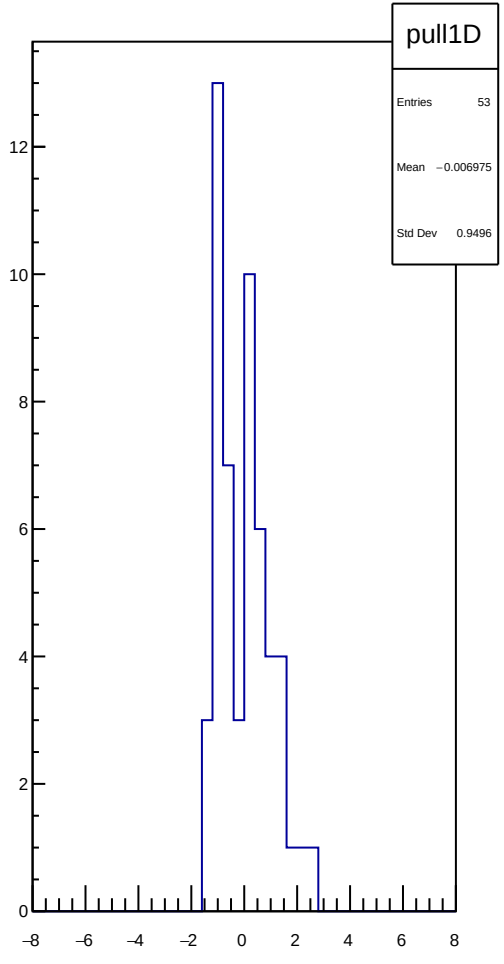

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

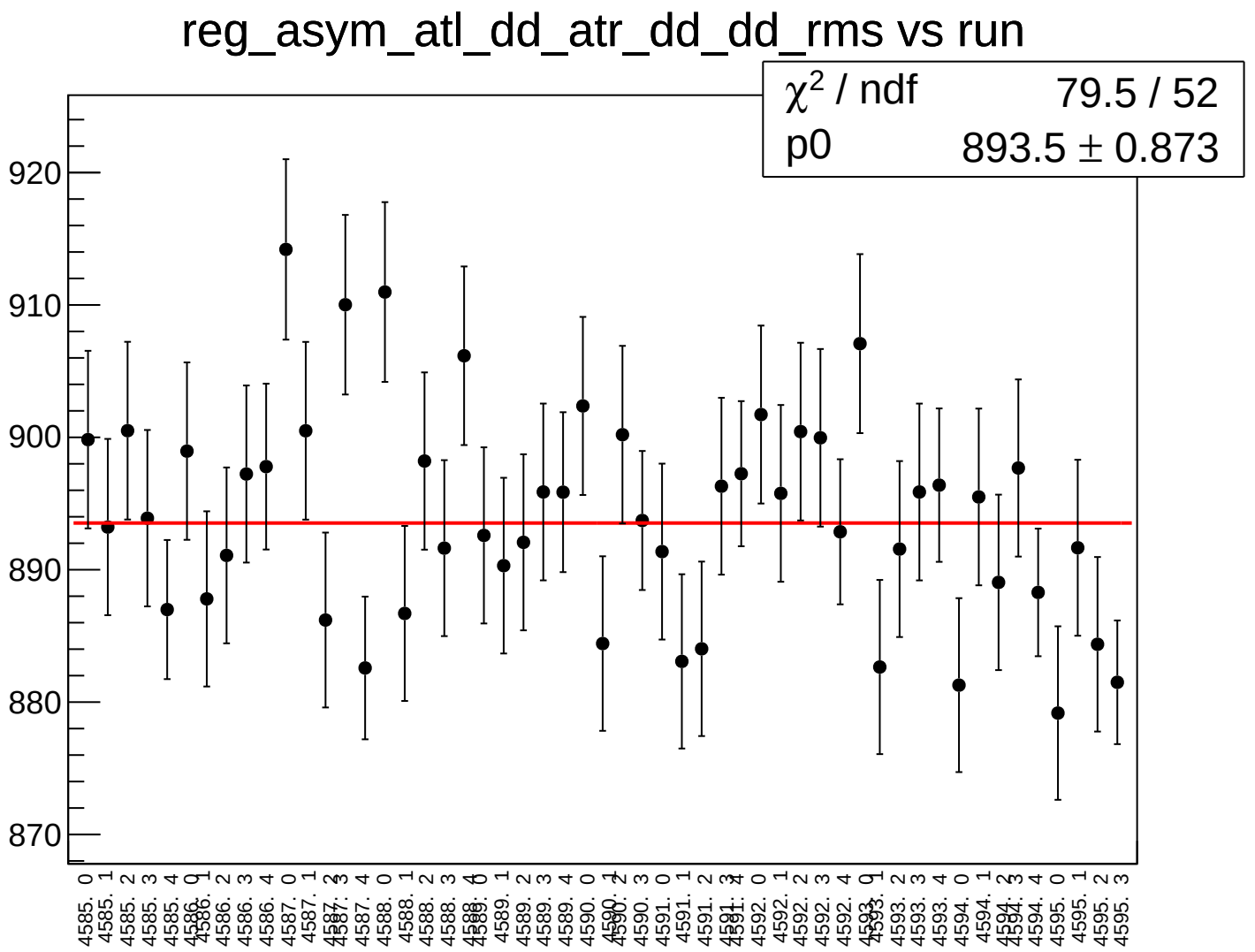

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 43.66 / 52
p0 −1391 ± 1806
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 265.7
Std Dev 239.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

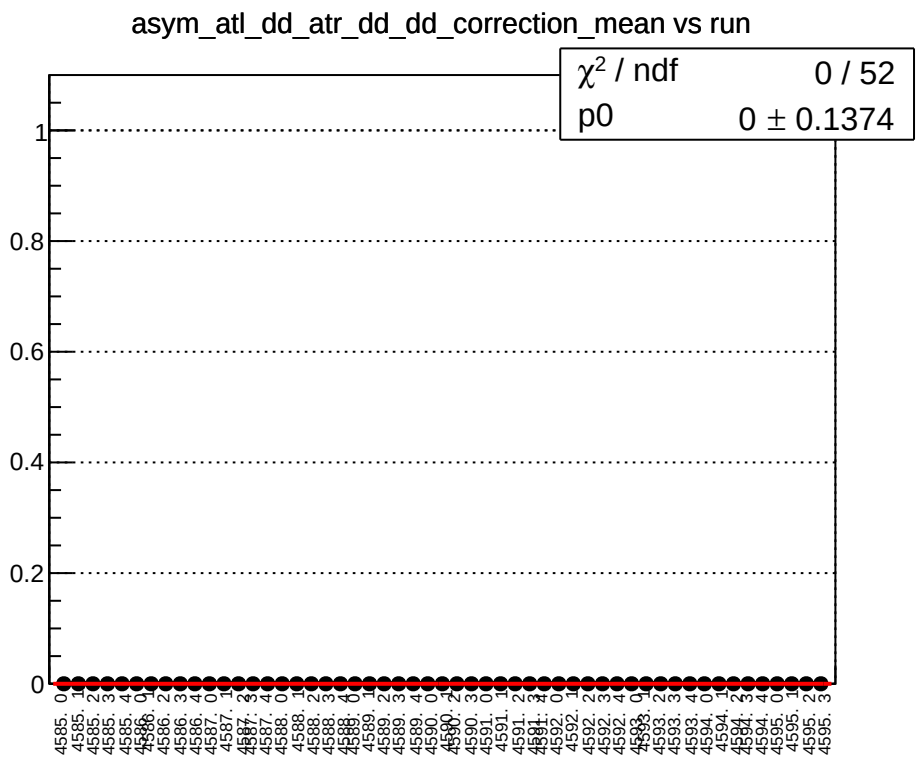

pull1D
Entries 53
Mean 0.01197
Std Dev 0.9076
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

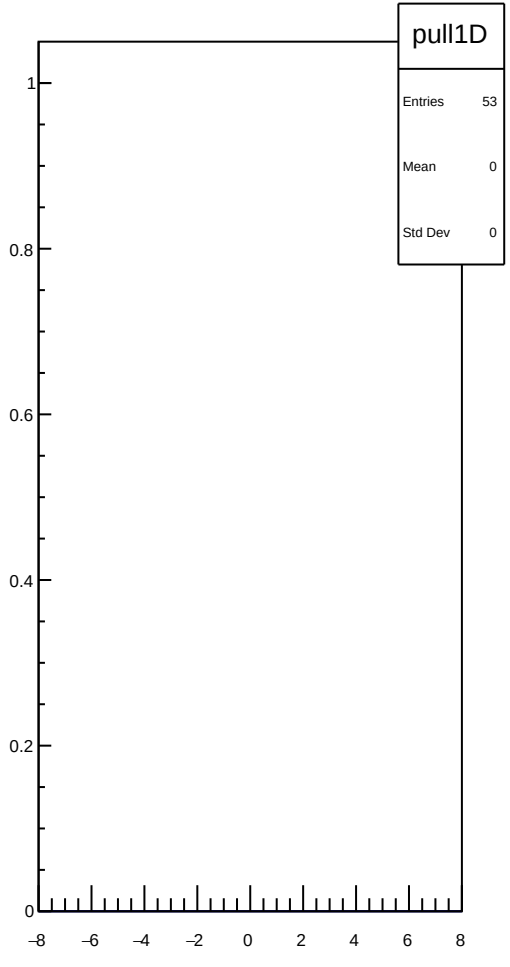

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1082 / 52
p0 1306 ± 1.277
1400
1350
1300
1250
1200

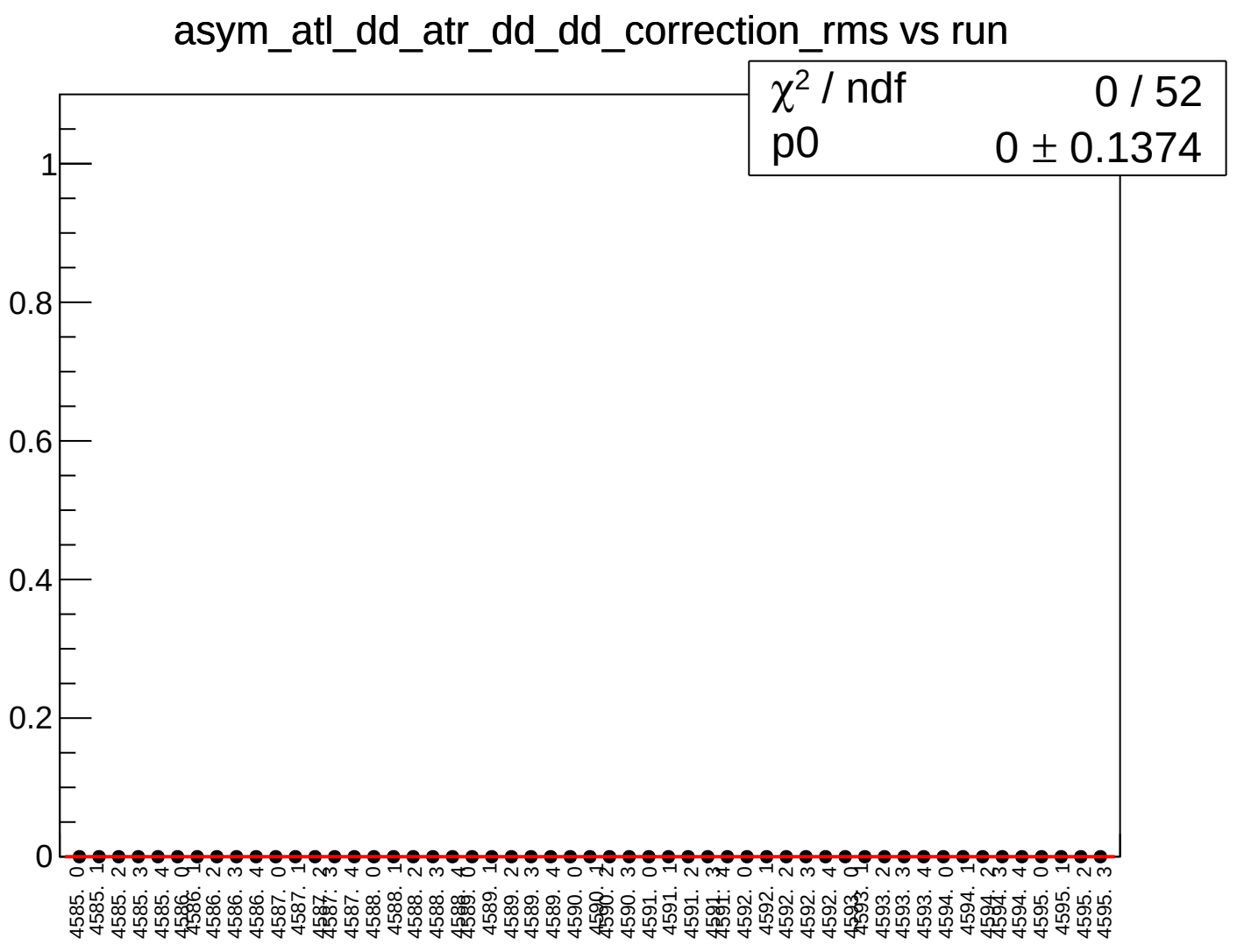

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 47.8 / 52
p0 665 ± 1235
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 10
Std Dev 48.35
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean −0.006975
Std Dev 0.9496
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 79.5 / 52
p0 893.5 ± 0.873
920
910
900
890
880
870
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


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


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


asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 0 / 52
p0 0 ± 0.1374
1
0.8
0.6
0.4
0.2
0
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
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4587. 0
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4590. 1
4590. 2
4590. 3
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4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
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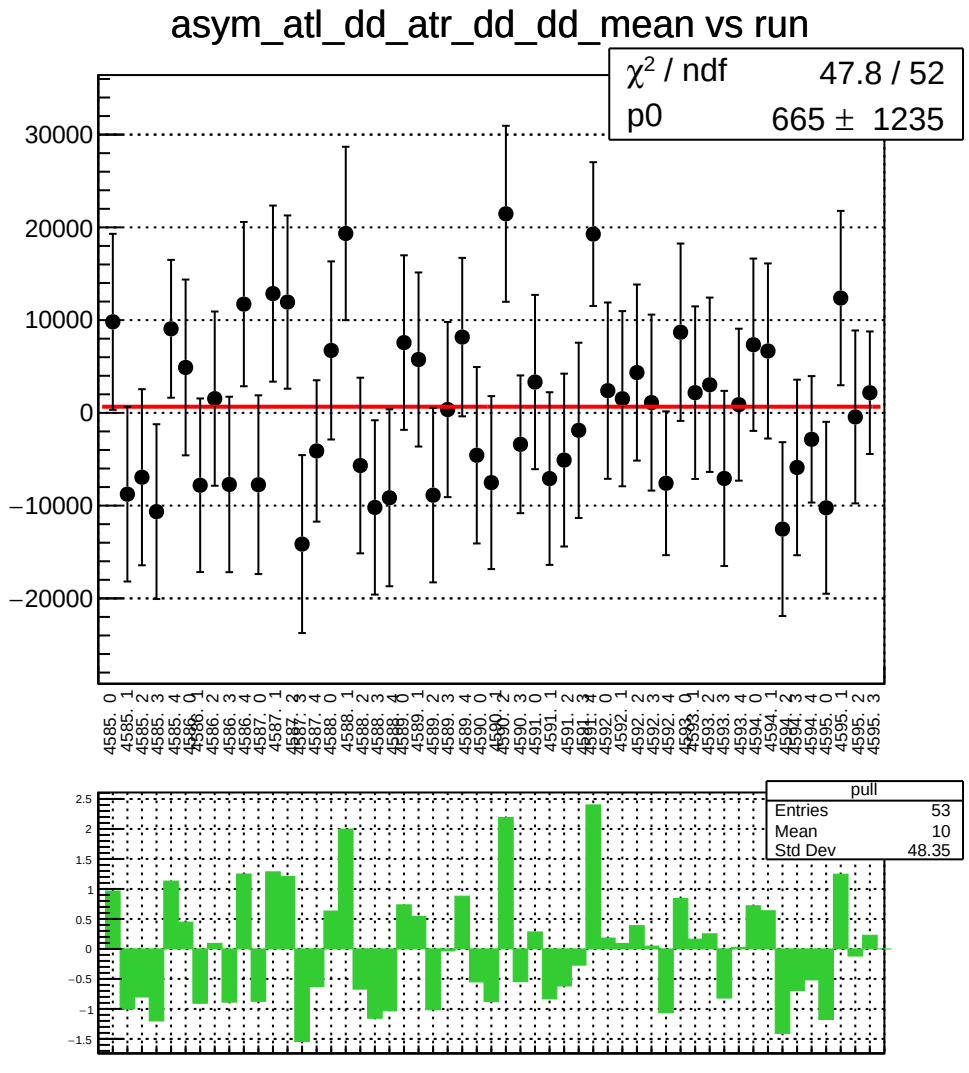
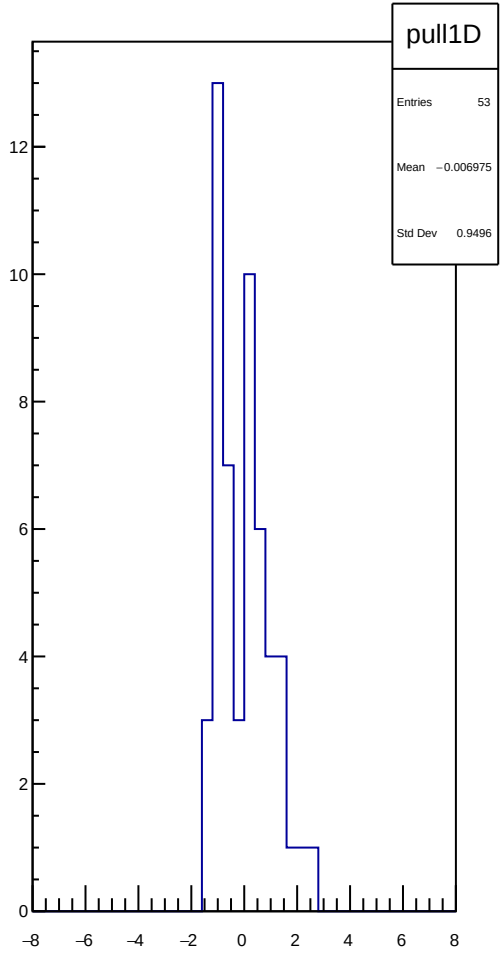
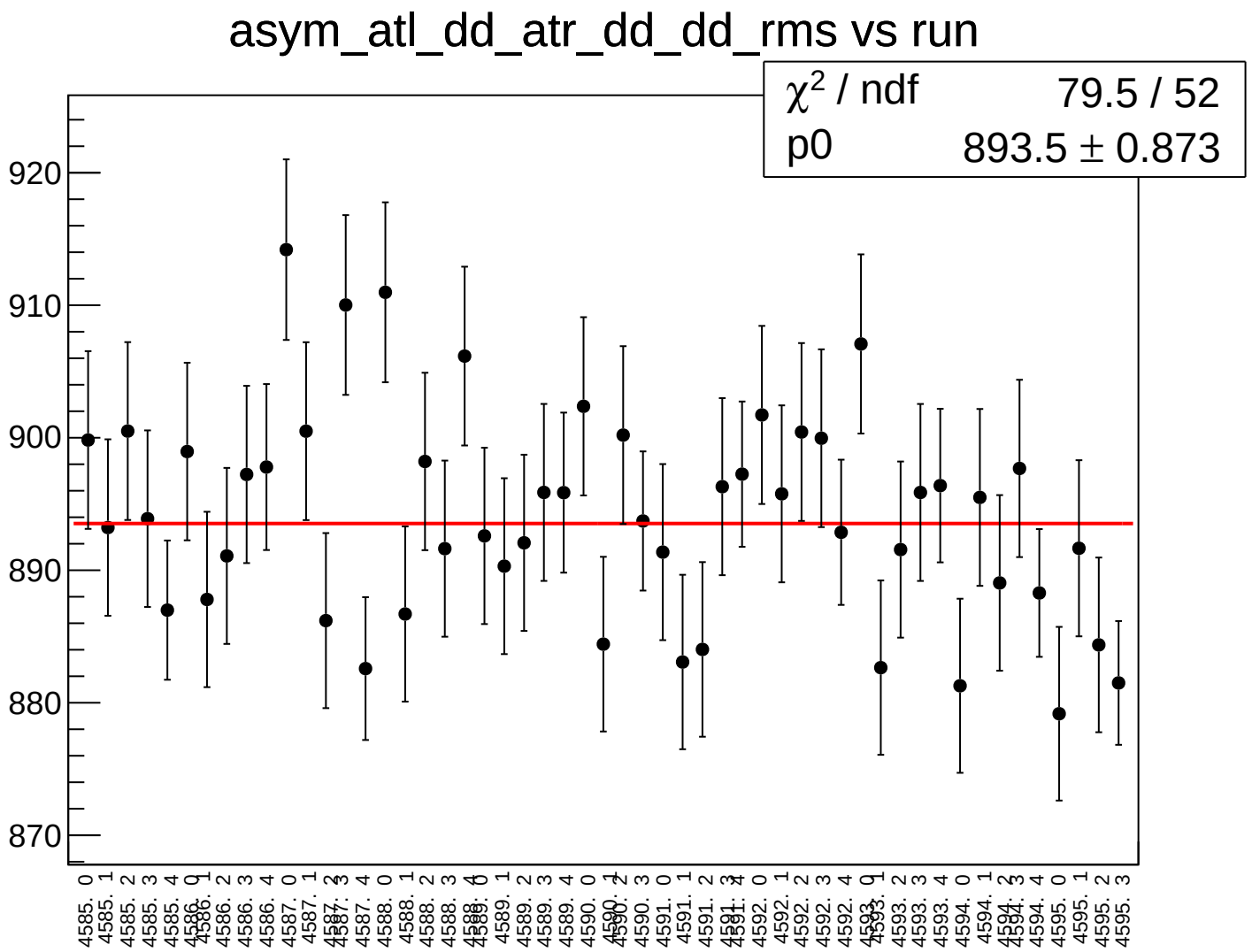
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 47.8 / 52
p0 665 ± 1235
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 10
Std Dev 48.35
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean −0.006975
Std Dev 0.9496
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 79.5 / 52
p0 893.5 ± 0.873
920
910
900
890
880
870
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
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4587. 0
4587. 1
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4592. 0
4592. 1
4592. 2
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4592. 4
4593. 0
4593. 1
4593. 2
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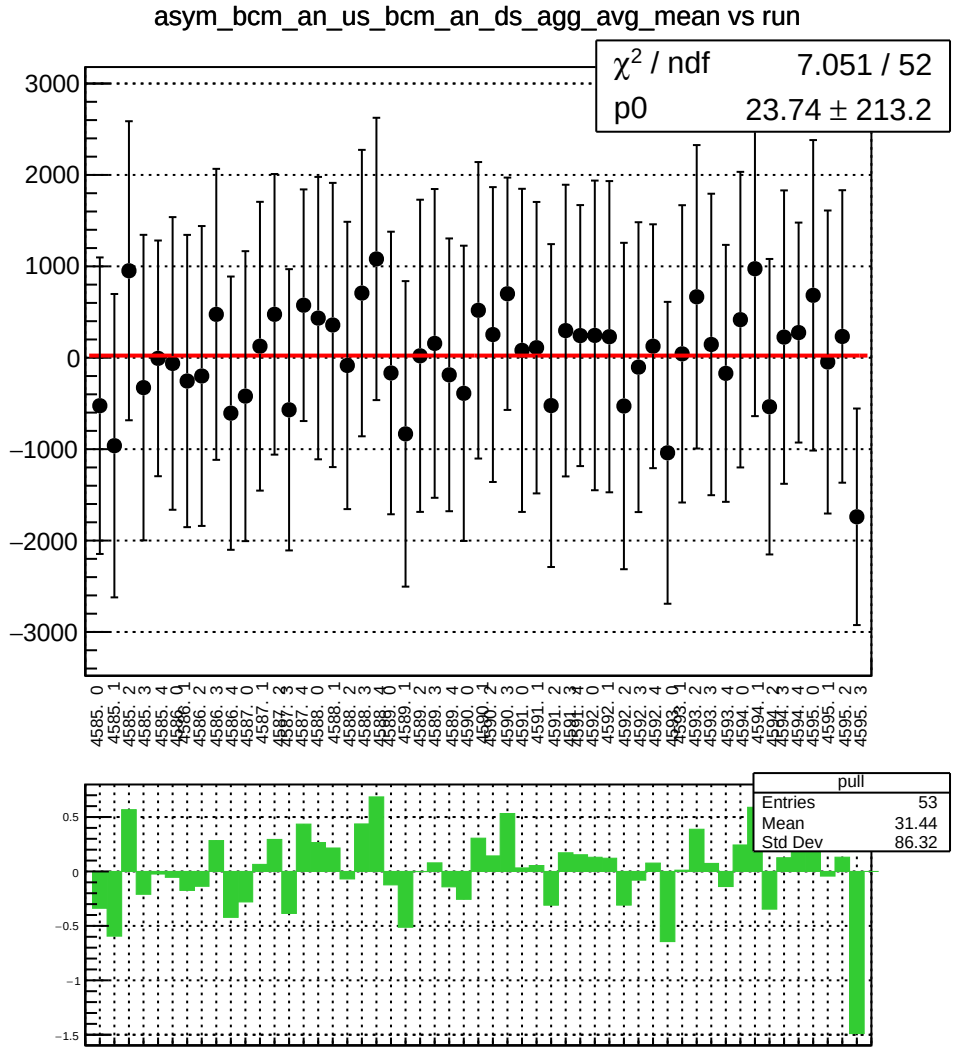
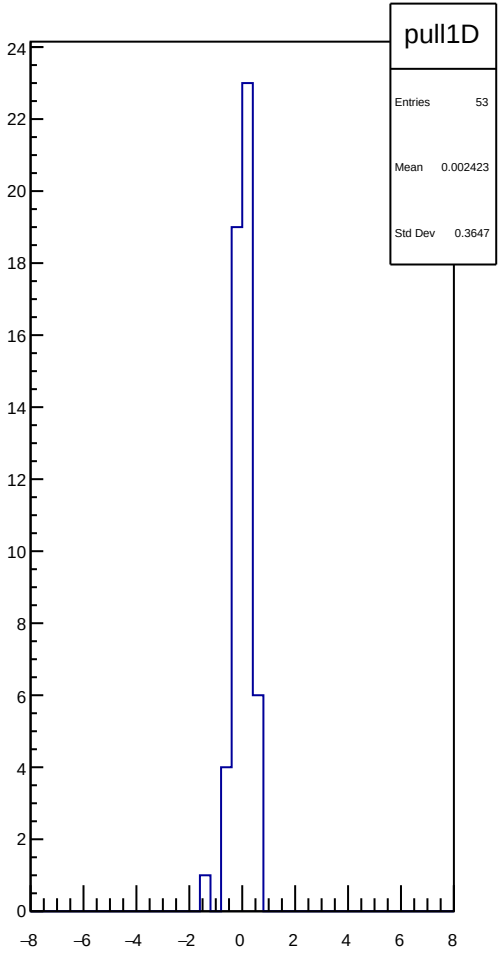
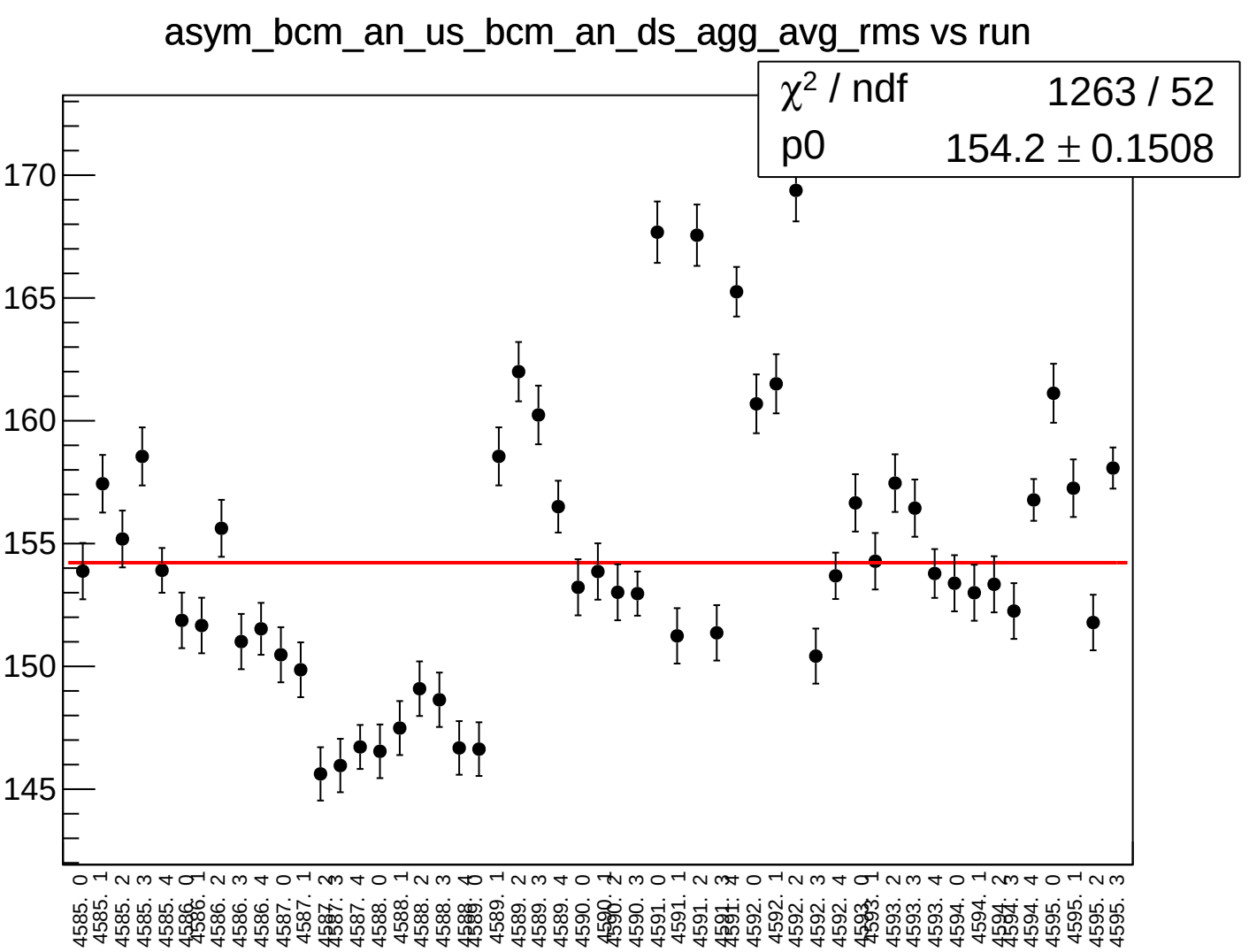
4595. 3


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 7.051 / 52
p0 23.74 ± 213.2
pull
Entries 53
Mean 31.44
Std Dev 86.32


pull1D
Entries 53
Mean 0.002423
Std Dev 0.3647


asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1263 / 52
p0 154.2 ± 0.1508
170
165
160
155
150
145
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
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4589. 4
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4590. 1
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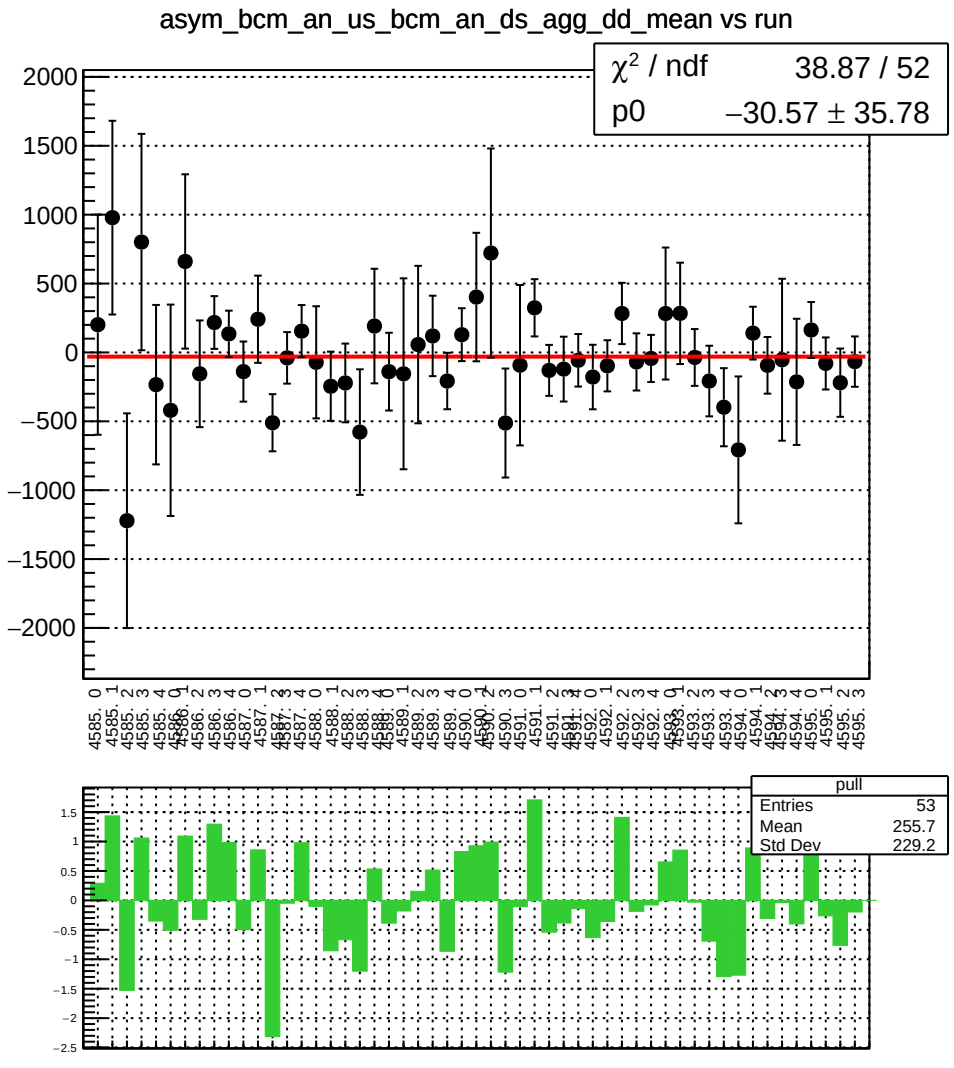
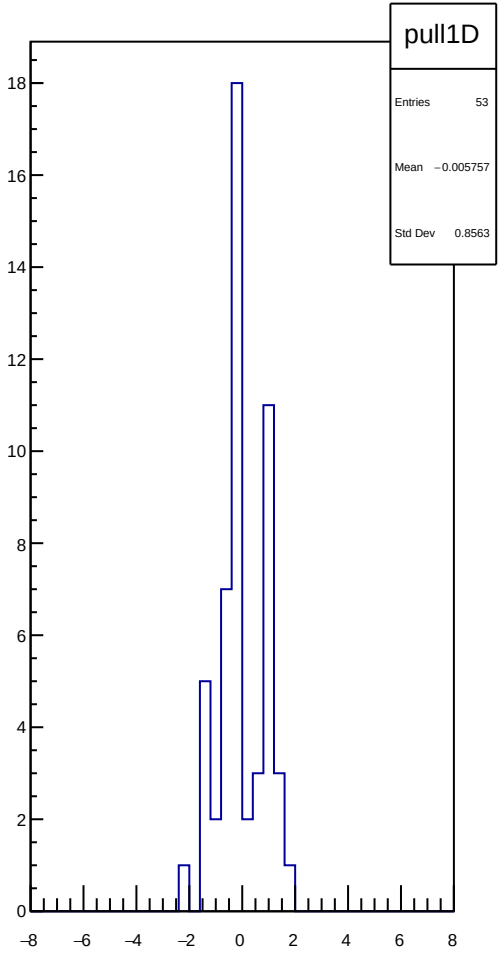
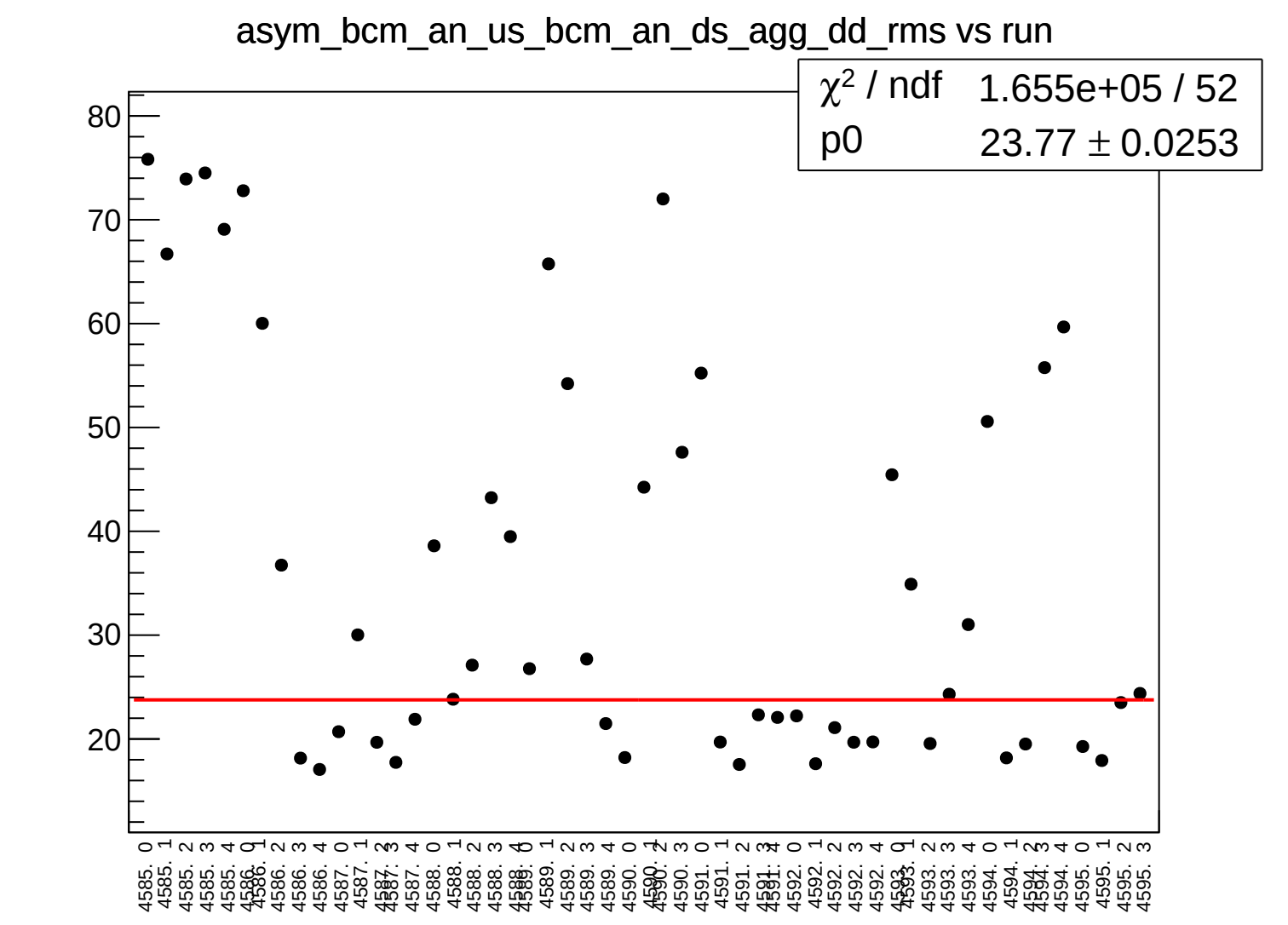
4595. 3


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 38.87 / 52
p0 −30.57 ± 35.78
pull
Entries 53
Mean 255.7
Std Dev 229.2


pull1D
Entries 53
Mean −0.005757
Std Dev 0.8563


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.655e+05 / 52
p0 23.77 ± 0.0253
80
70
60
50
40
30
20
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
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4587. 0
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4591. 1
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4593. 1
4593. 2
4593. 3
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4594. 1
4594. 2
4594. 3
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4595. 0
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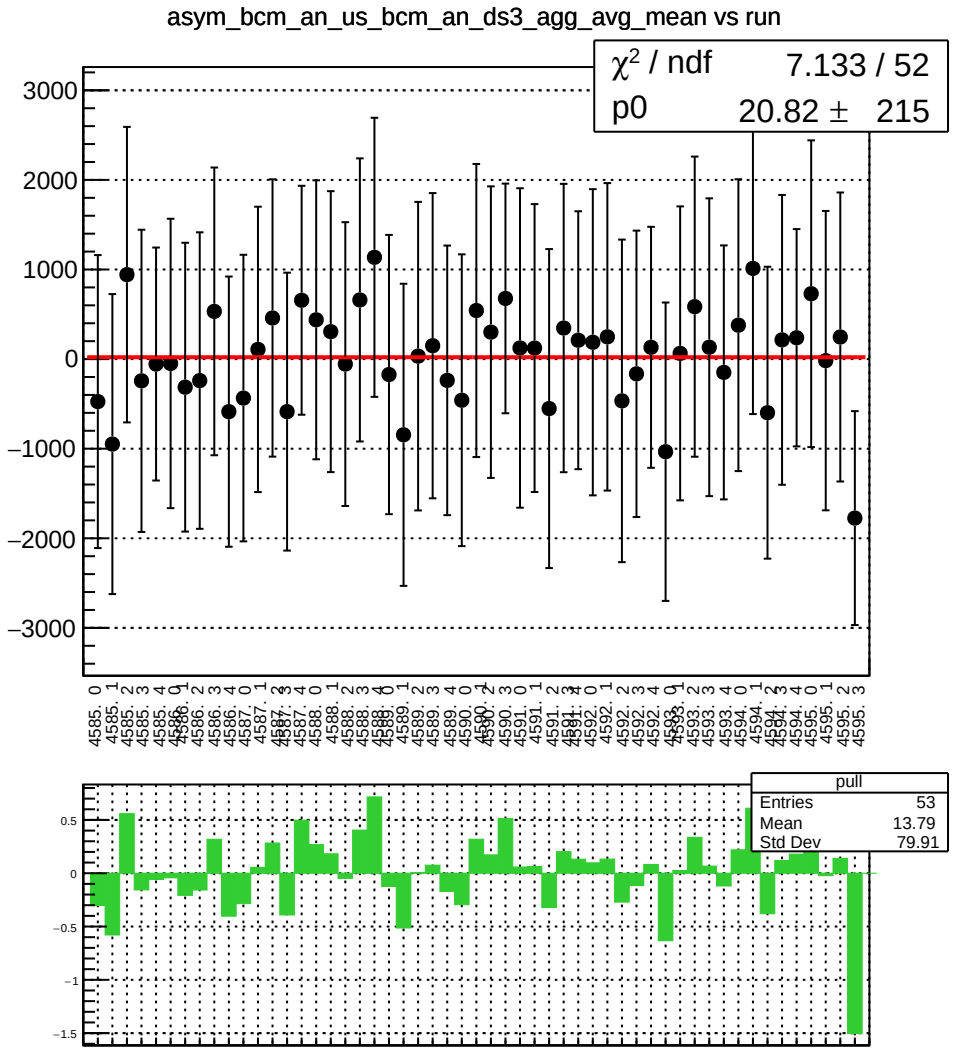
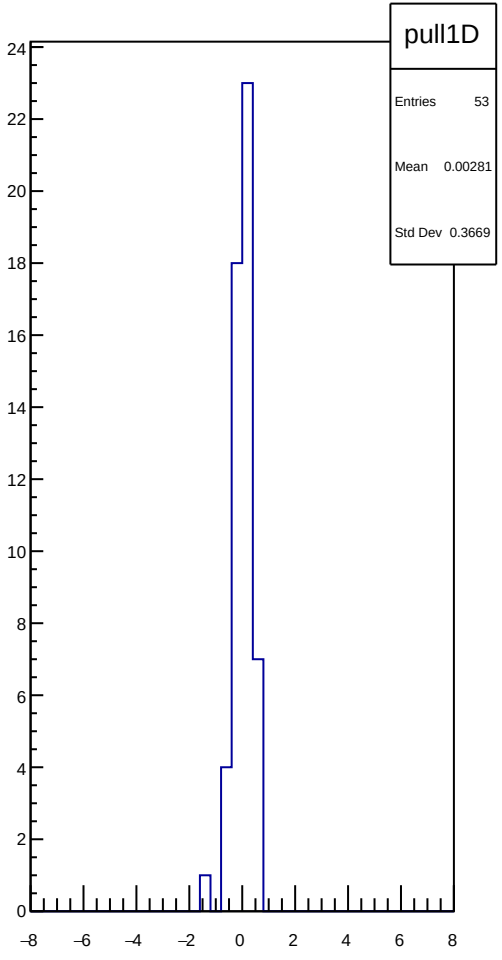
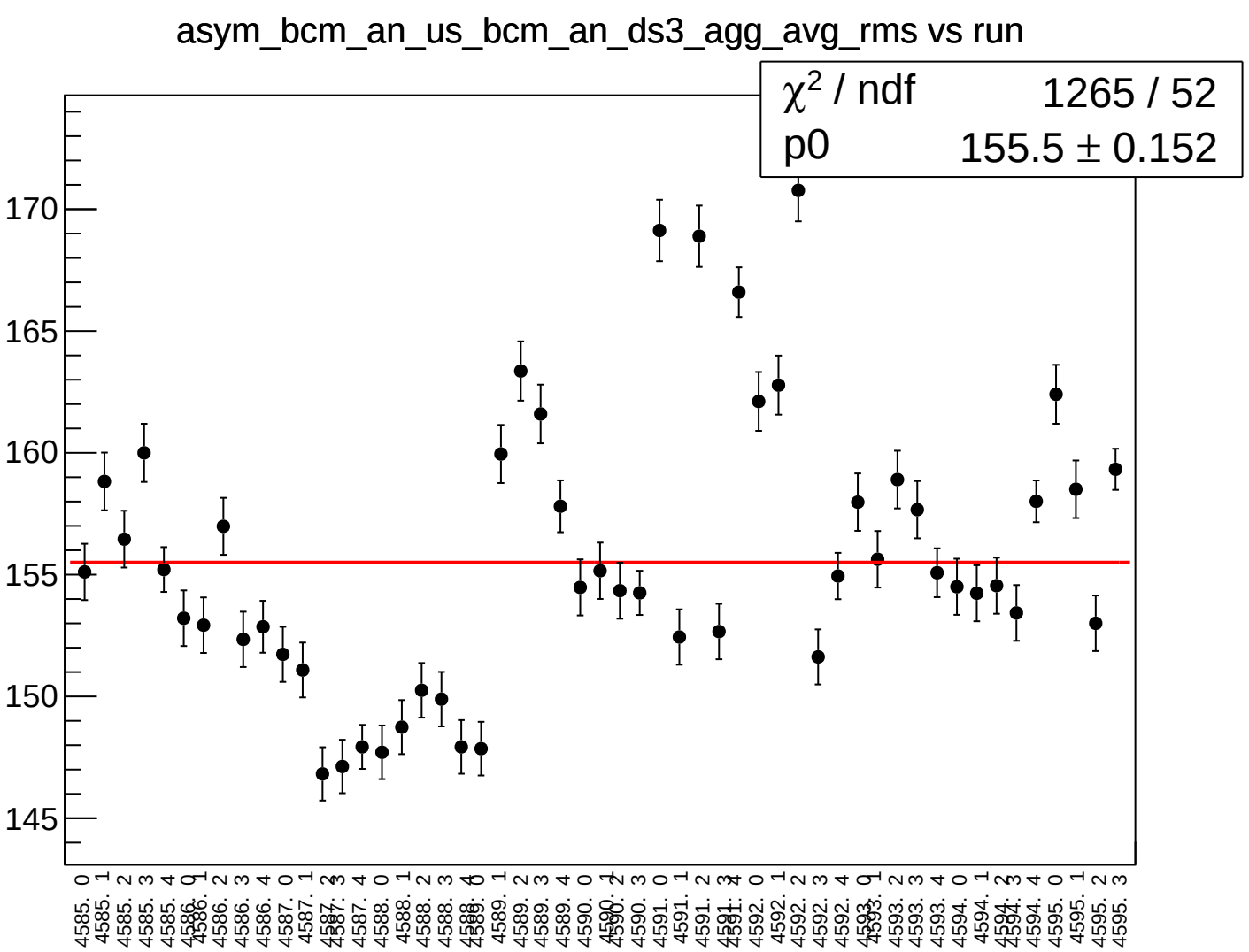
4595. 3


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 7.133 / 52
p0 20.82 ± 215
pull
Entries 53
Mean 13.79
Std Dev 79.91


pull1D
Entries 53
Mean 0.00281
Std Dev 0.3669


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 1265 / 52
p0 155.5 ± 0.152
170
165
160
155
150
145
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
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4586. 3
4586. 4
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4594. 1
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4594. 3
4594. 4
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4595. 2
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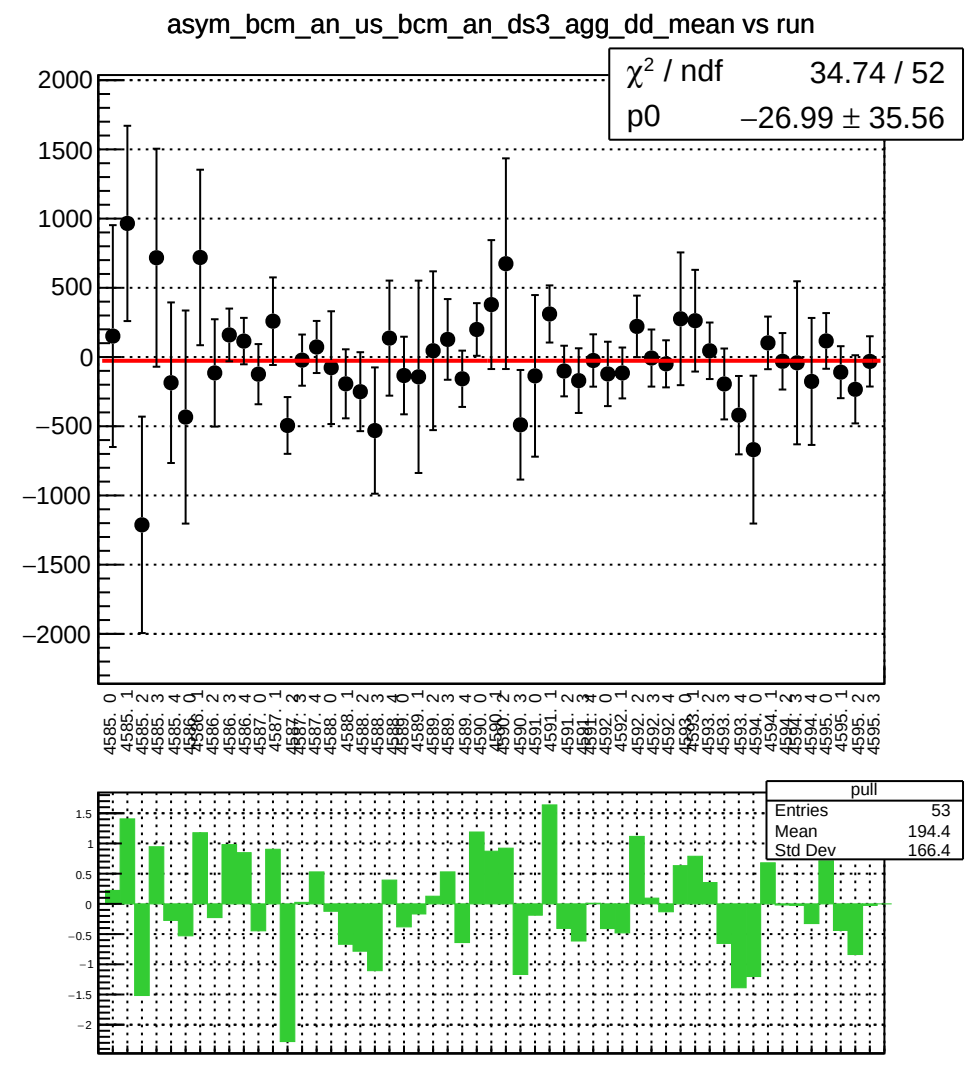
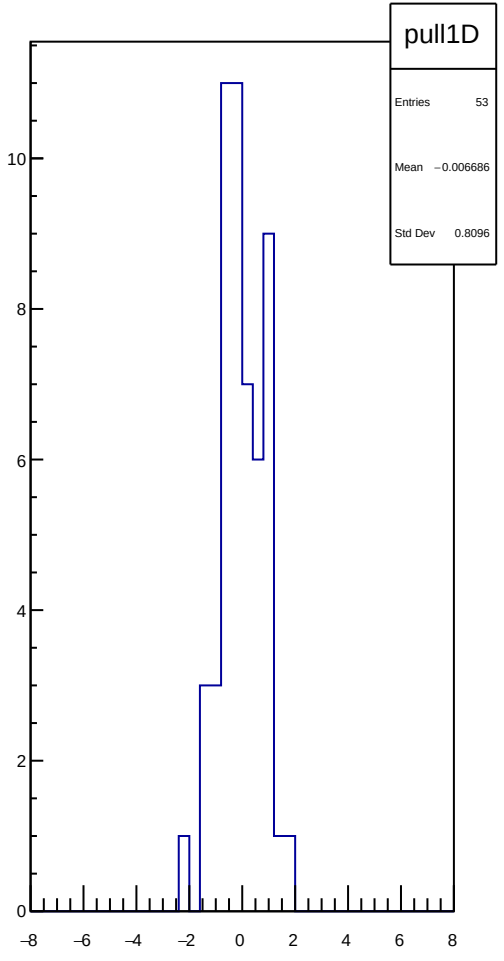
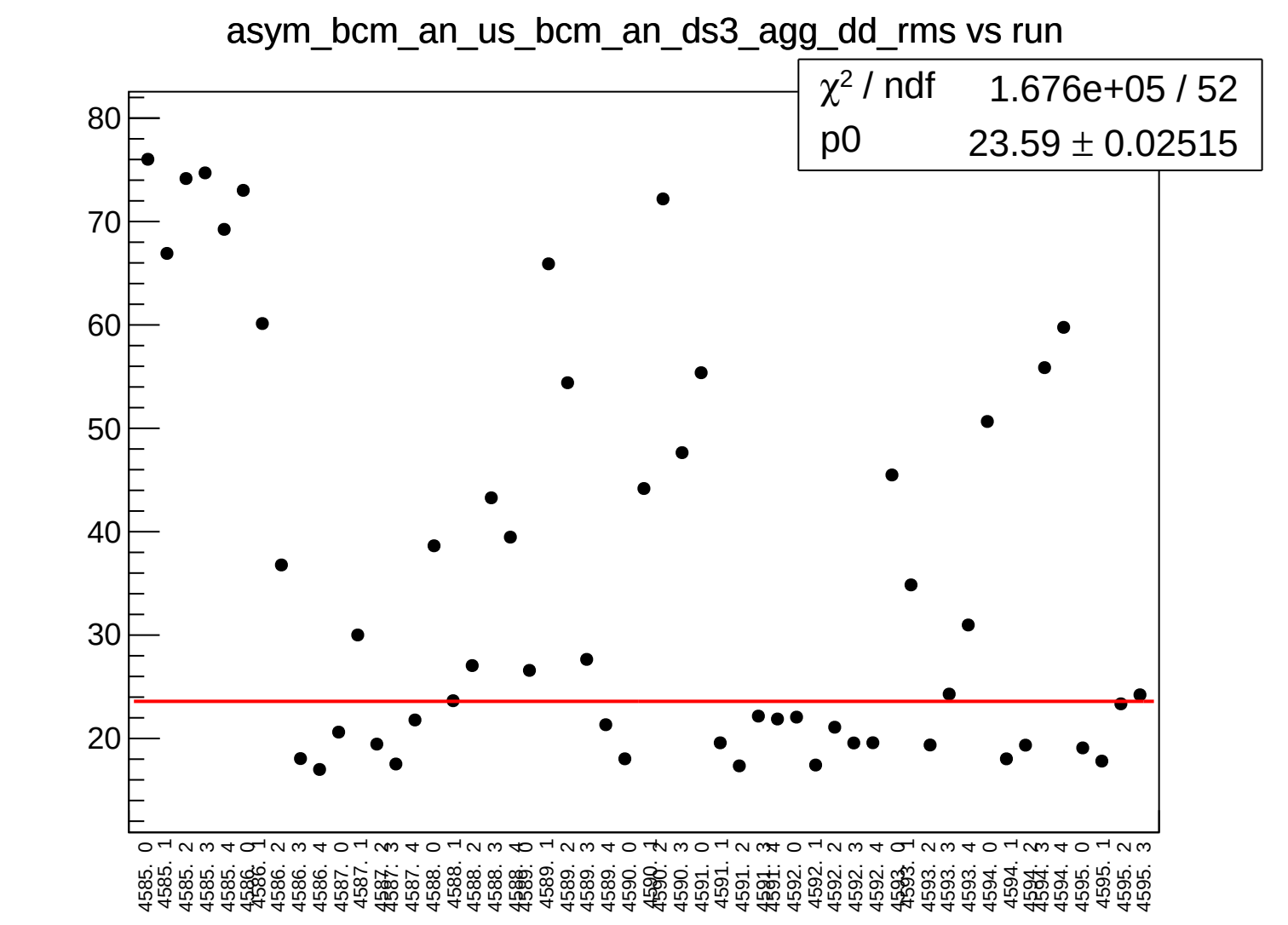
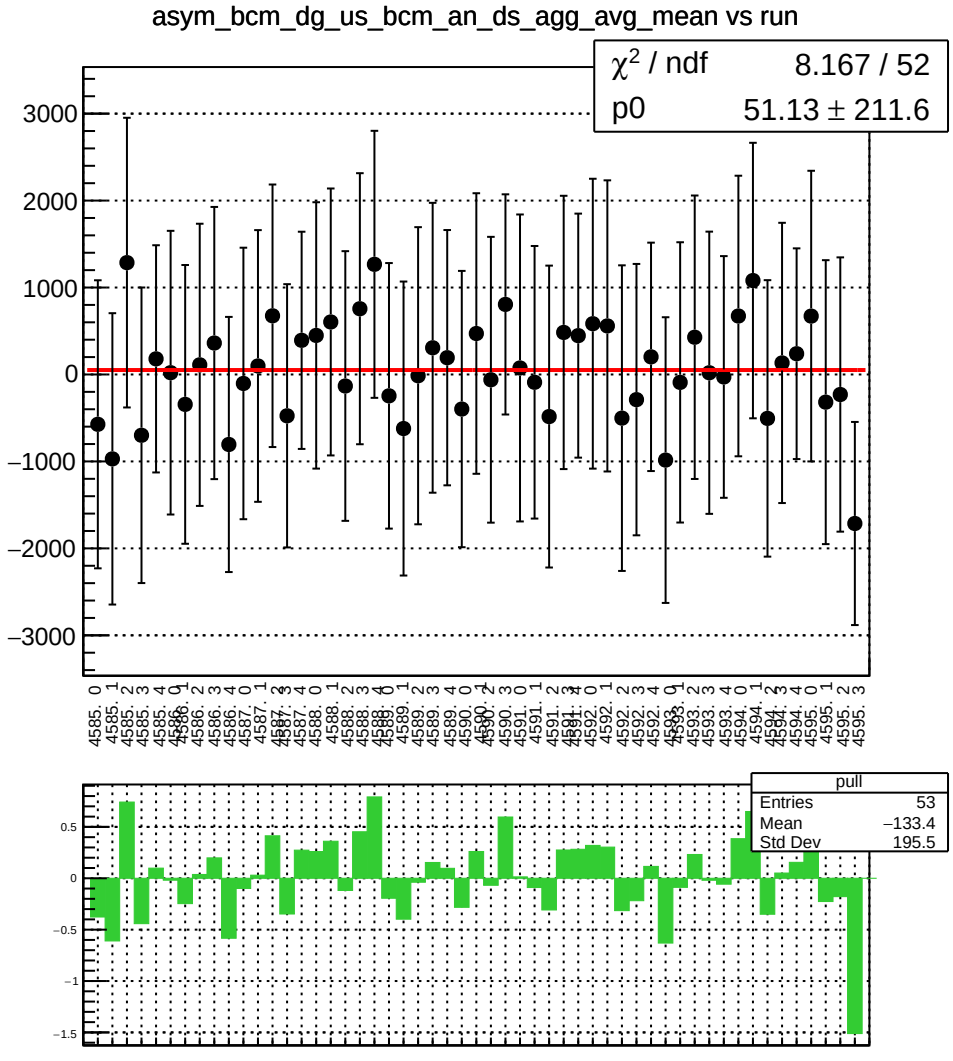
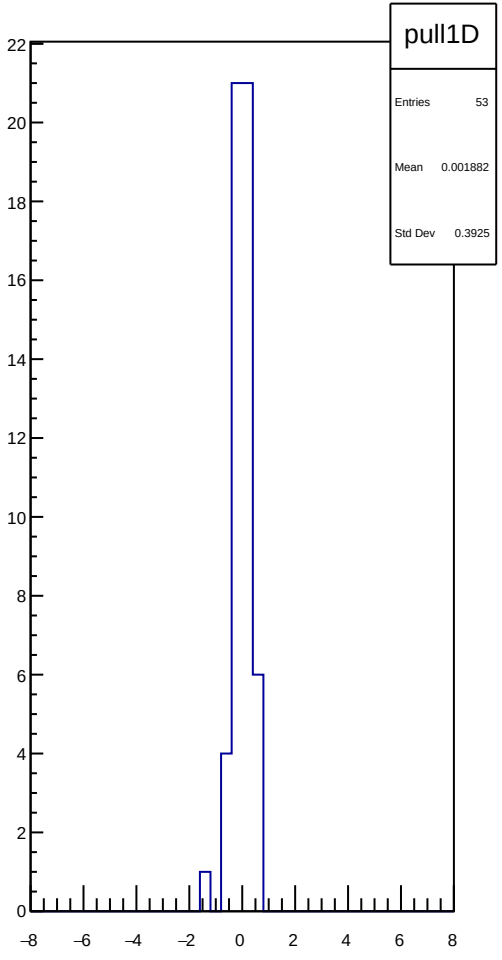
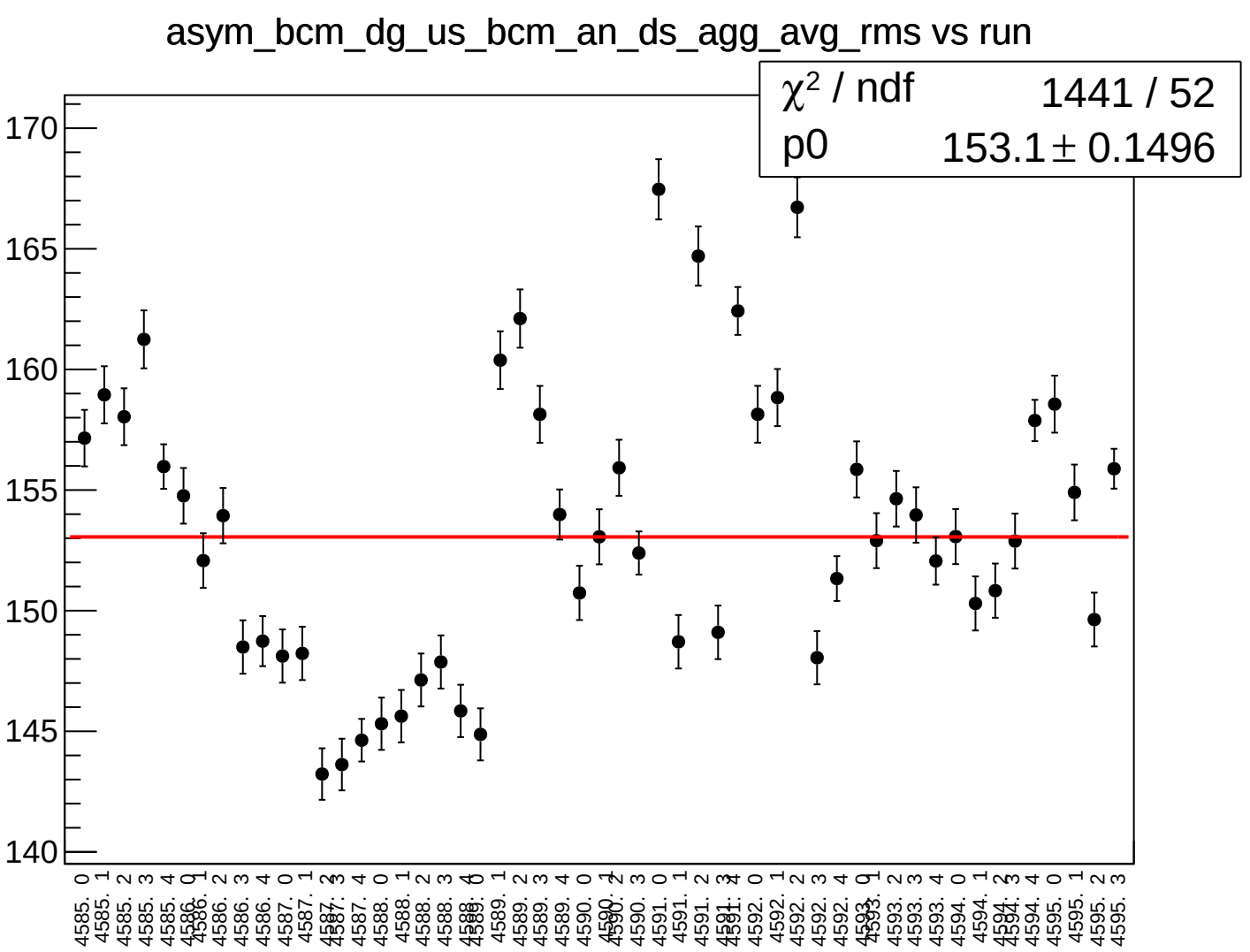

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 34.74 / 52
p0 −26.99 ± 35.56
pull
Entries 53
Mean 194.4
Std Dev 166.4

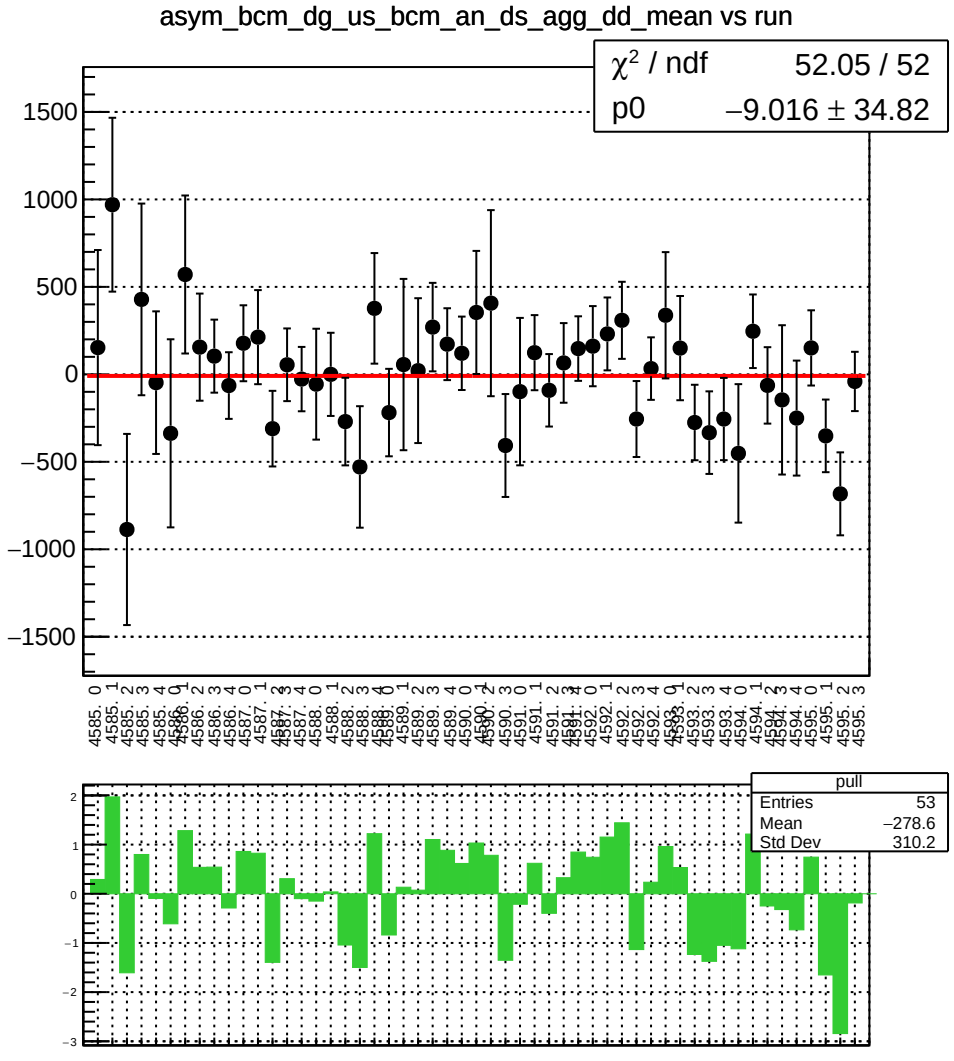

pull1D
Entries 53
Mean −0.006686
Std Dev 0.8096

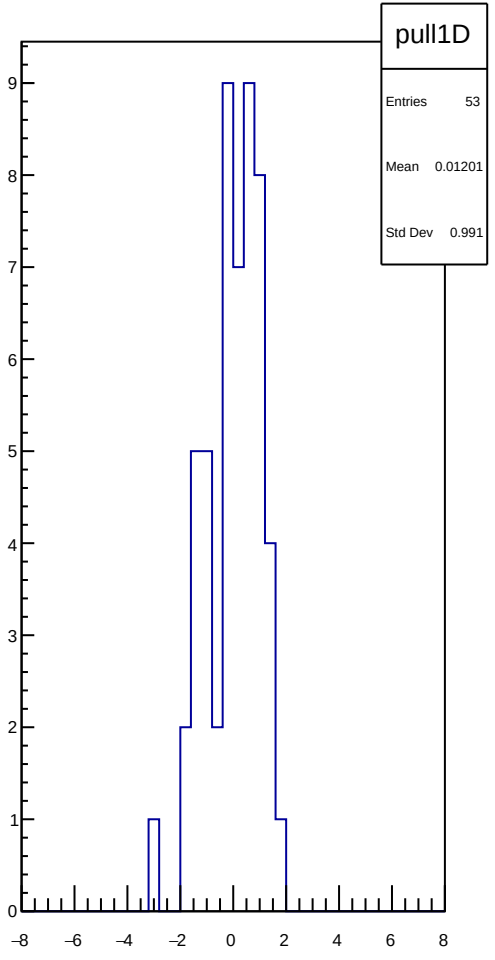

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 1.676e+05 / 52
p0 23.59 ± 0.02515
80
70
60
50
40
30
20

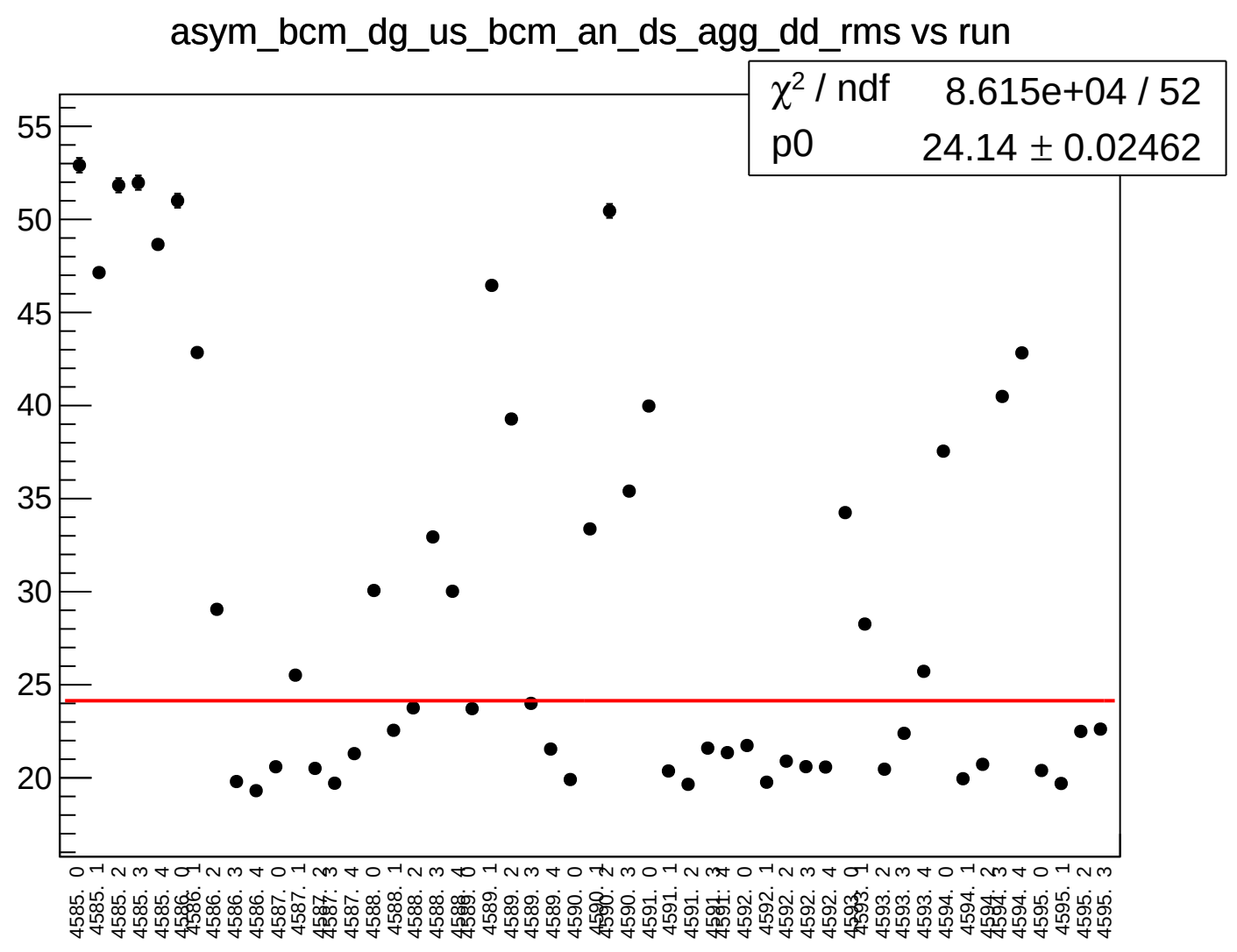

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 8.167 / 52
p0 51.13 ± 211.6
pull
Entries 53
Mean −133.4
Std Dev 195.5


pull1D
Entries 53
Mean 0.001882
Std Dev 0.3925


asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1441 / 52
p0 153.1 ± 0.1496
170
165
160
155
150
145
140


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 52.05 / 52
p0 −9.016 ± 34.82
pull
Entries 53
Mean −278.6
Std Dev 310.2


pull1D
Entries 53
Mean 0.01201
Std Dev 0.991


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 8.615e+04 / 52
p0 24.14 ± 0.02462
55
50
45
40
35
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25
20
4585. 0
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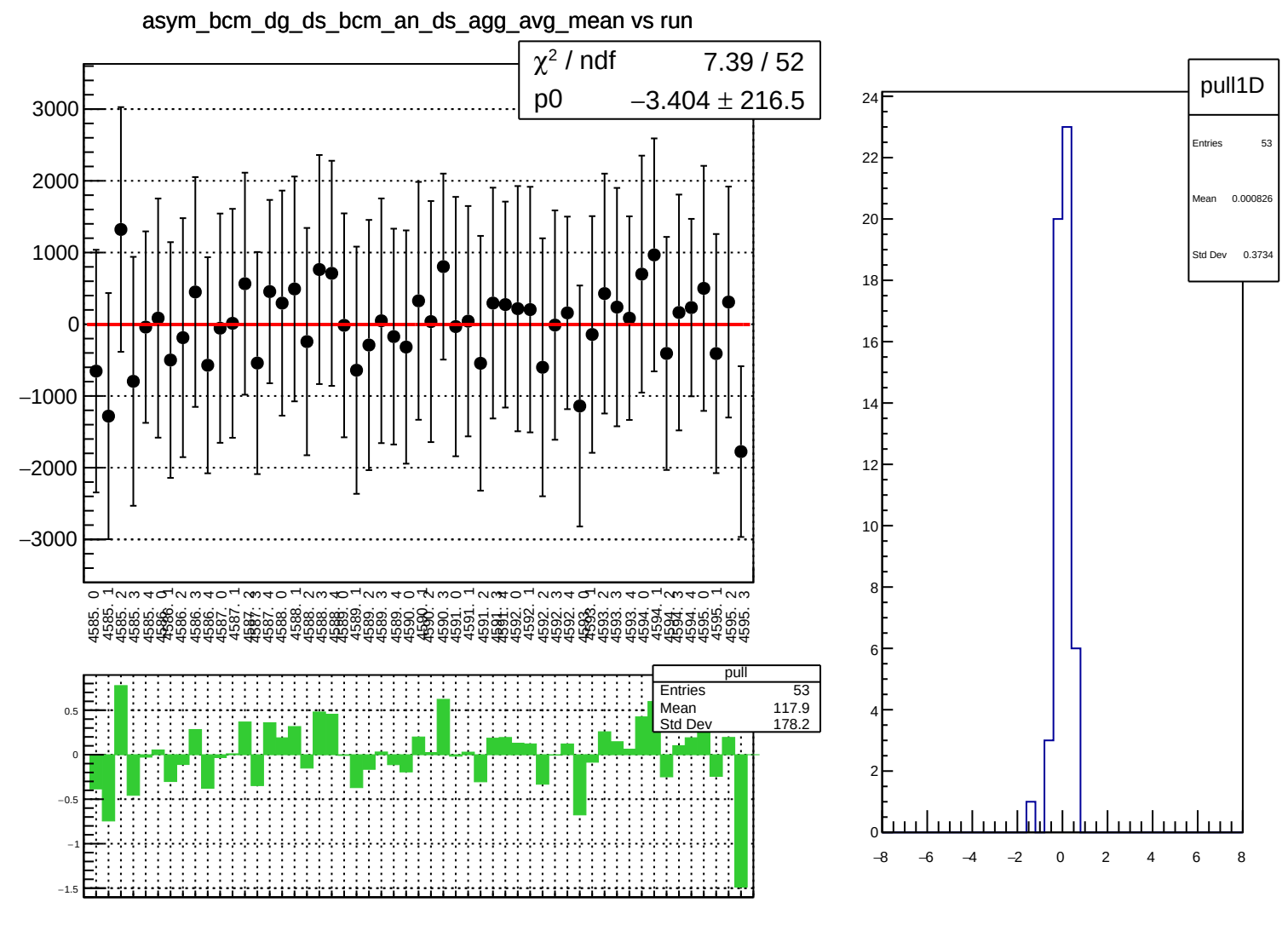
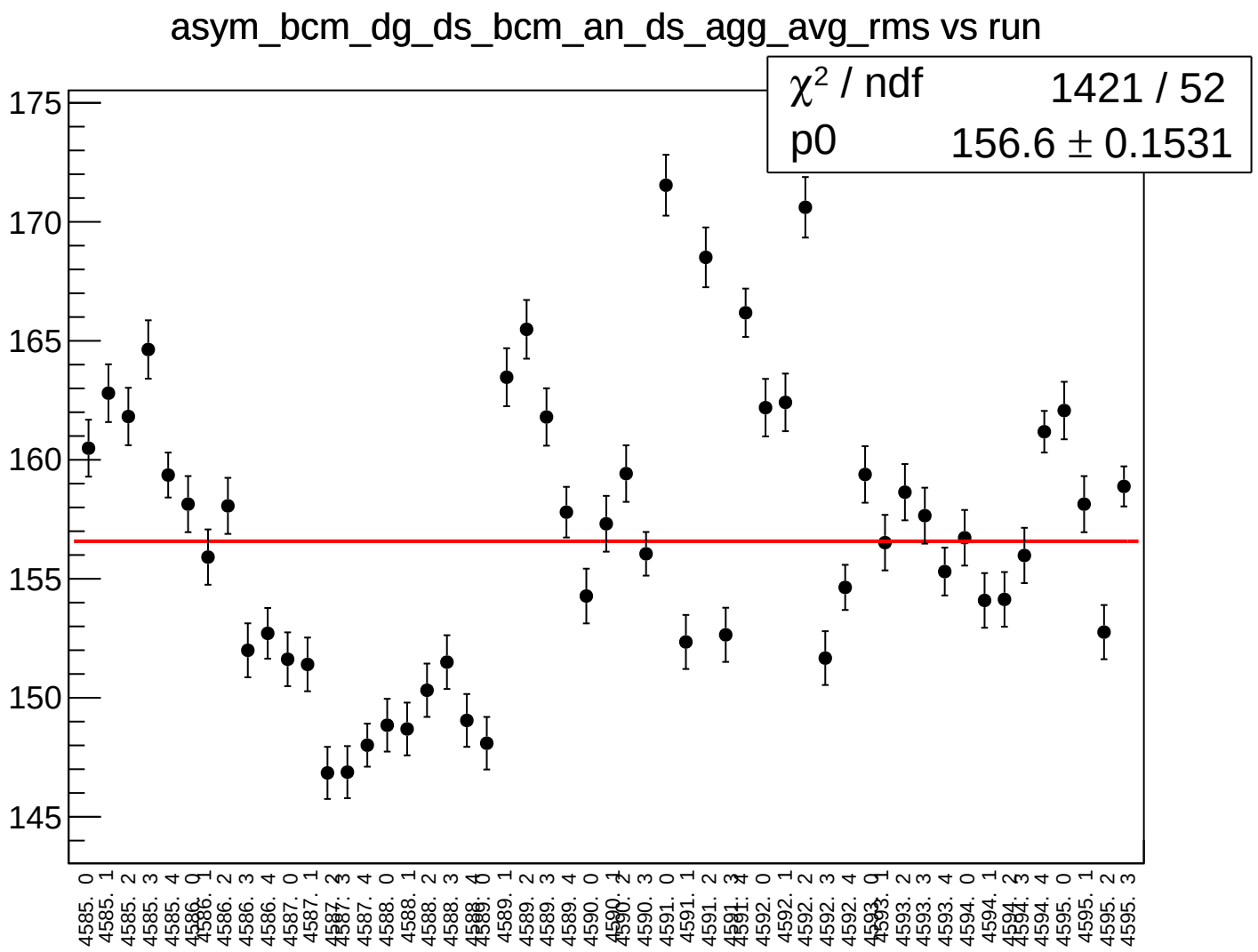
4595. 2
4595. 3


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 7.39 / 52
p0 −3.404 ± 216.5
pull
Entries 53
Mean 117.9
Std Dev 178.2
pull1D
Entries 53
Mean 0.000826
Std Dev 0.3734


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1421 / 52
p0 156.6 ± 0.1531
175
170
165
160
155
150
145
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
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4592. 3
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4594. 2
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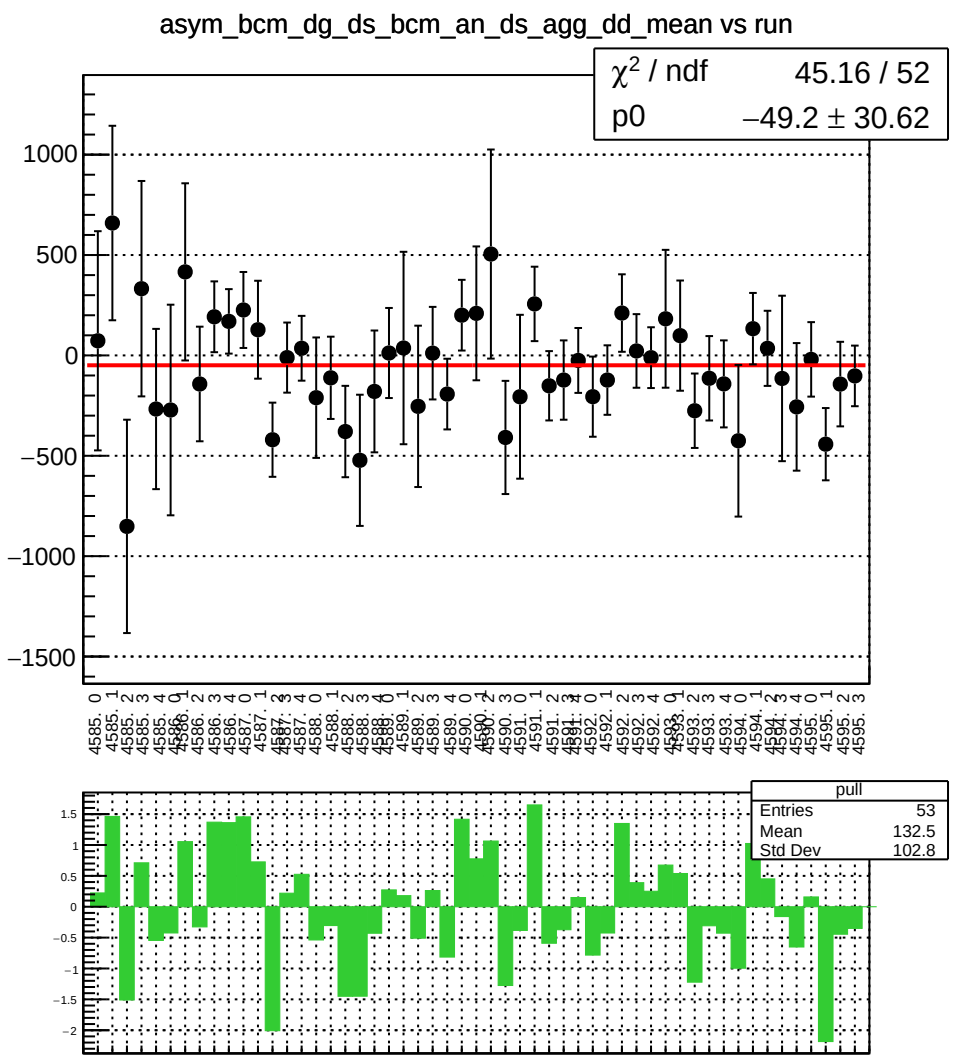
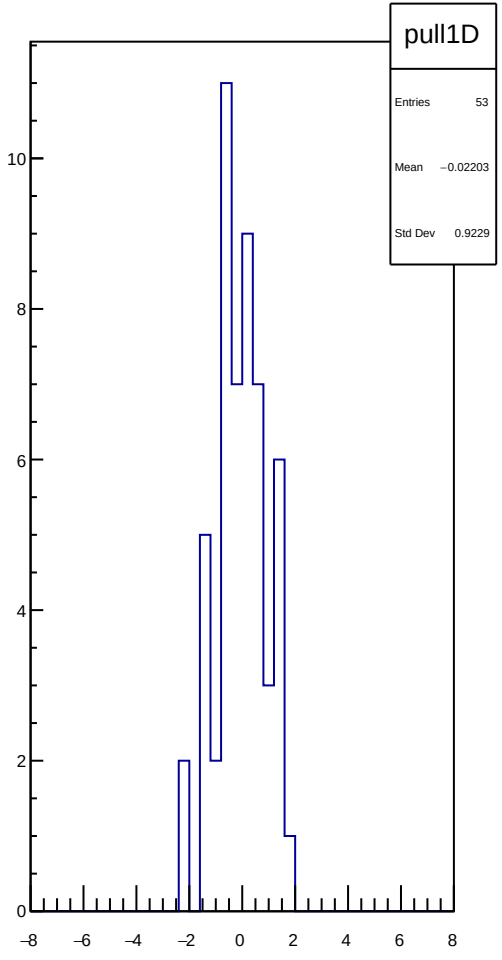
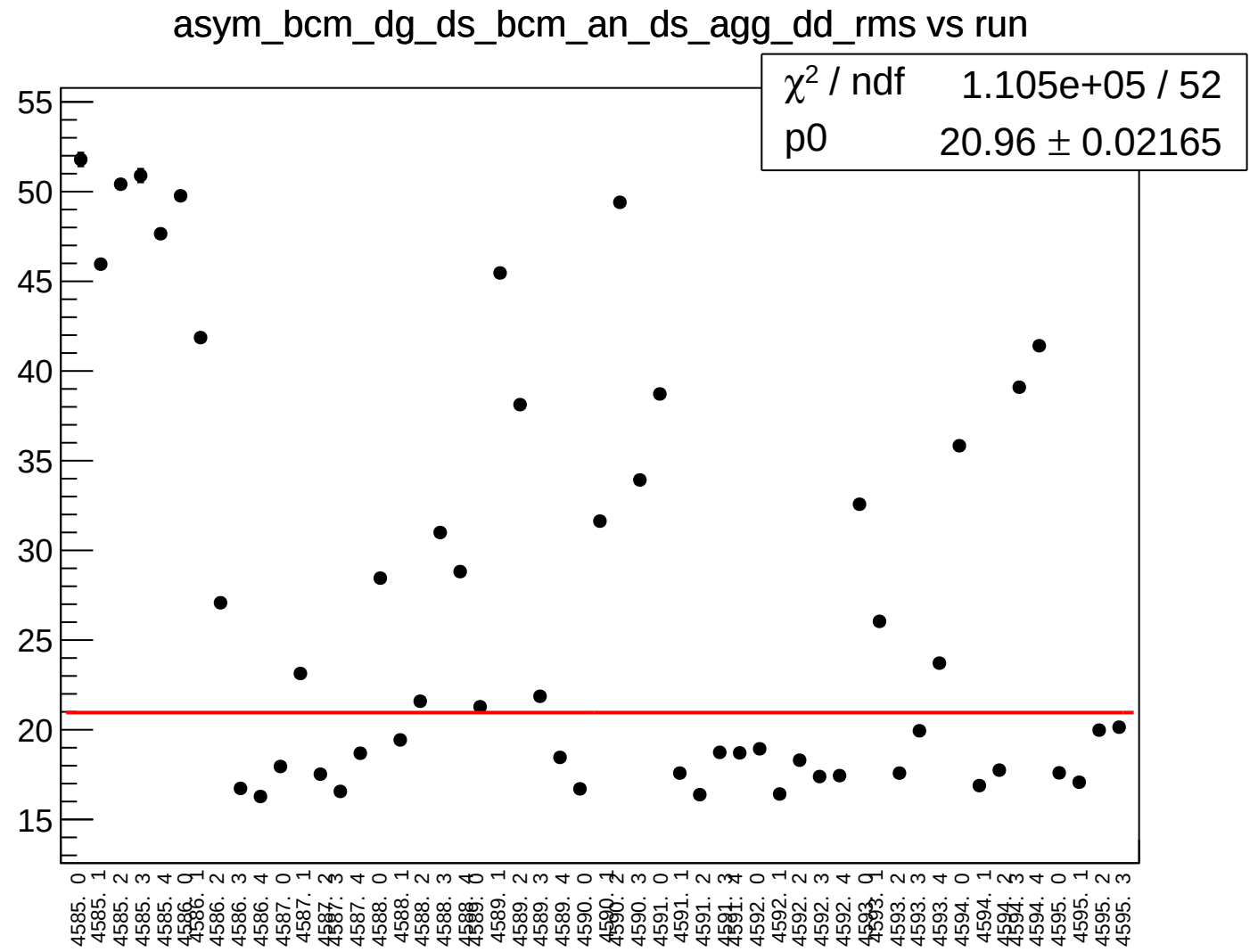
4595. 3


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 45.16 / 52
p0 −49.2 ± 30.62
pull
Entries 53
Mean 132.5
Std Dev 102.8


pull1D
Entries 53
Mean −0.02203
Std Dev 0.9229


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1.105e+05 / 52
p0 20.96 ± 0.02165
55
50
45
40
35
30
25
20
15
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
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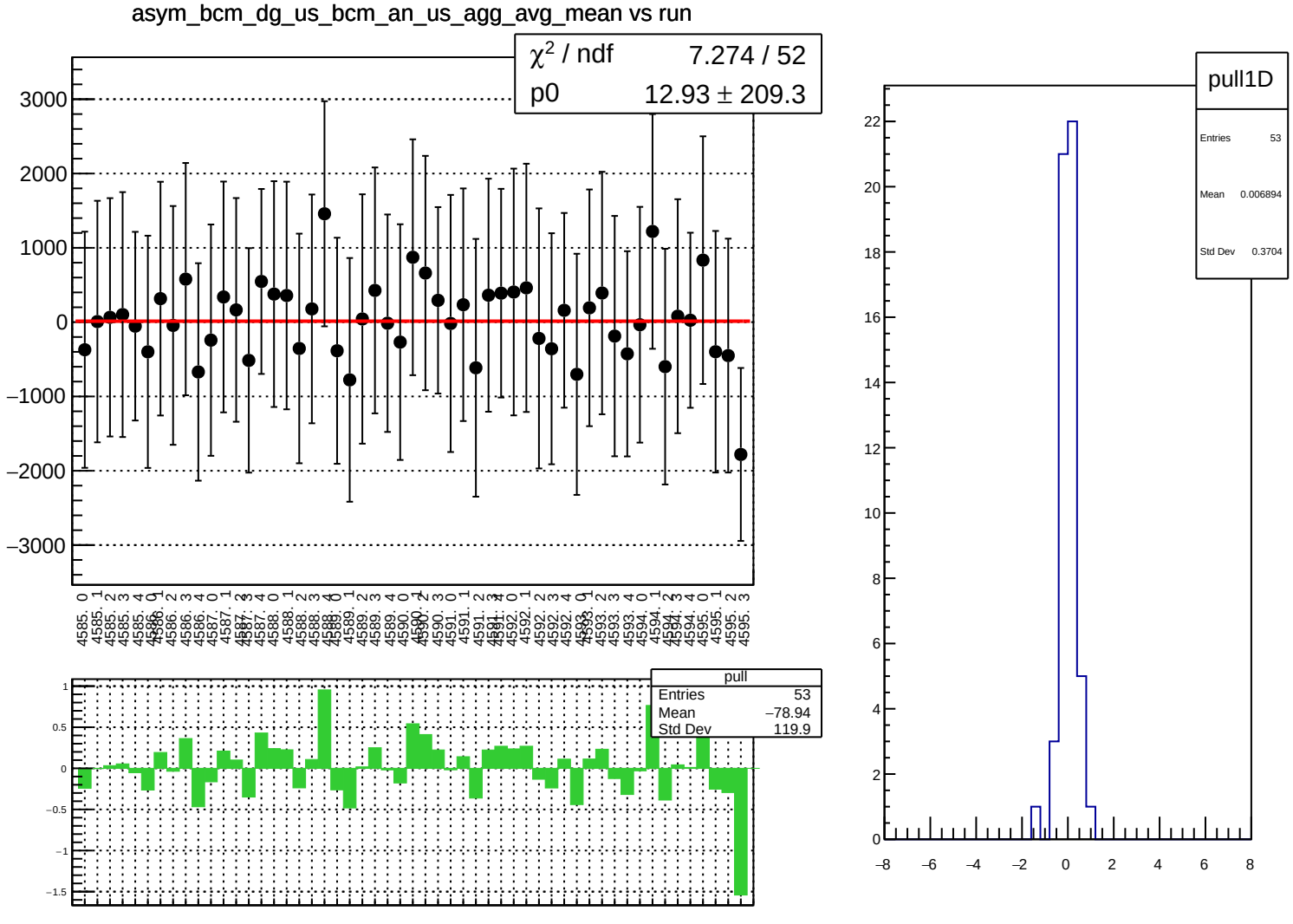
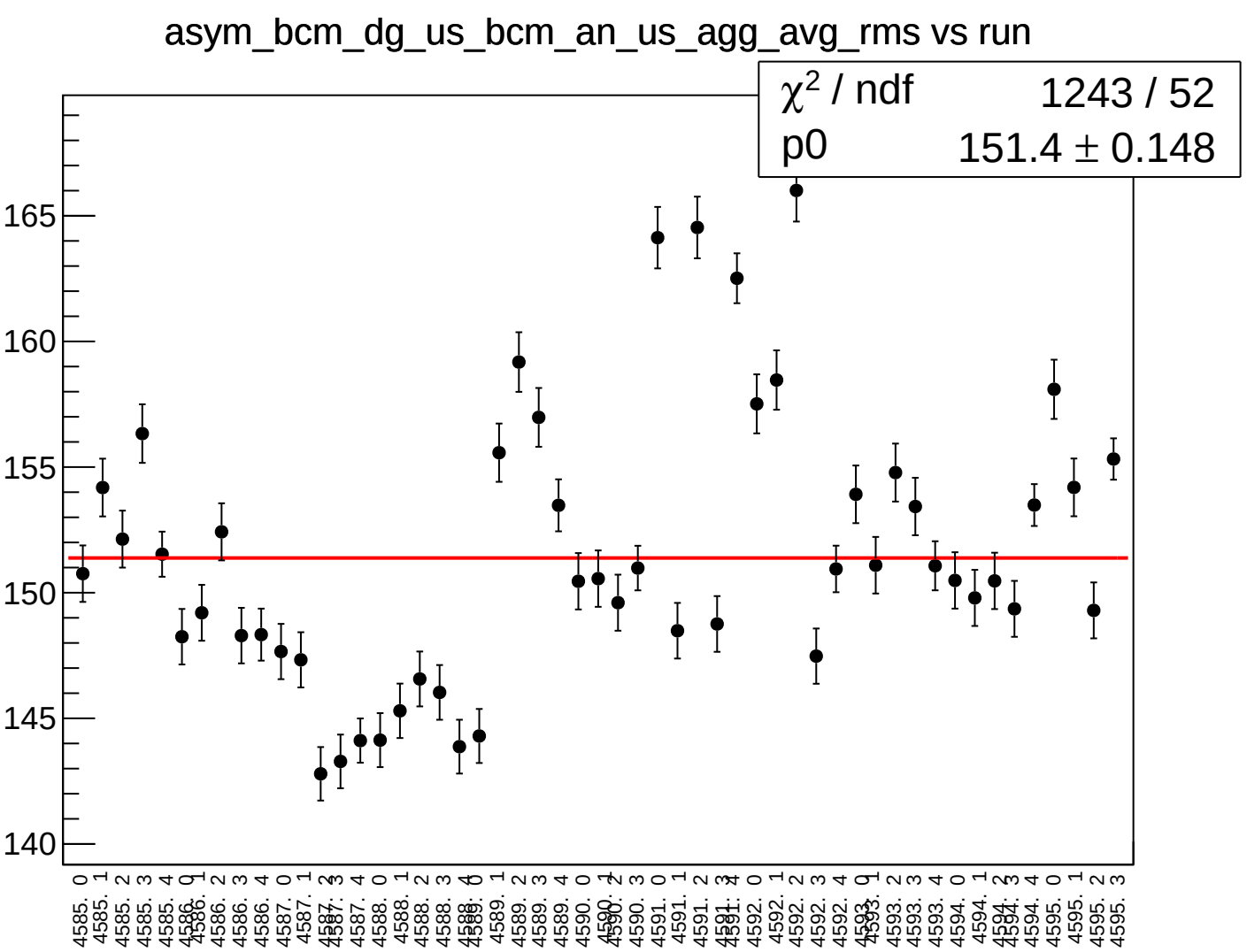

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 7.274 / 52
p0 12.93 ± 209.3
pull
Entries 53
Mean −78.94
Std Dev 119.9
pull1D
Entries 53
Mean 0.006894
Std Dev 0.3704


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1243 / 52
p0 151.4 ± 0.148
165
160
155
150
145
140
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
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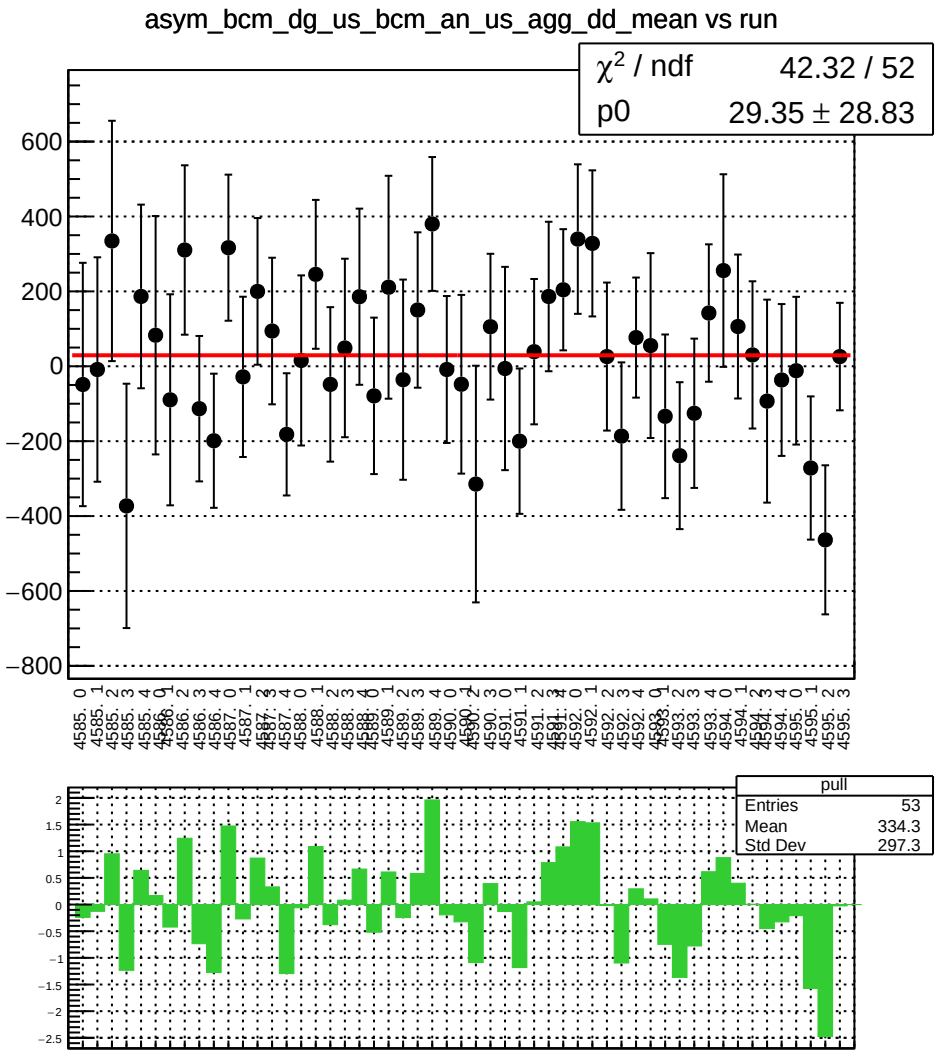
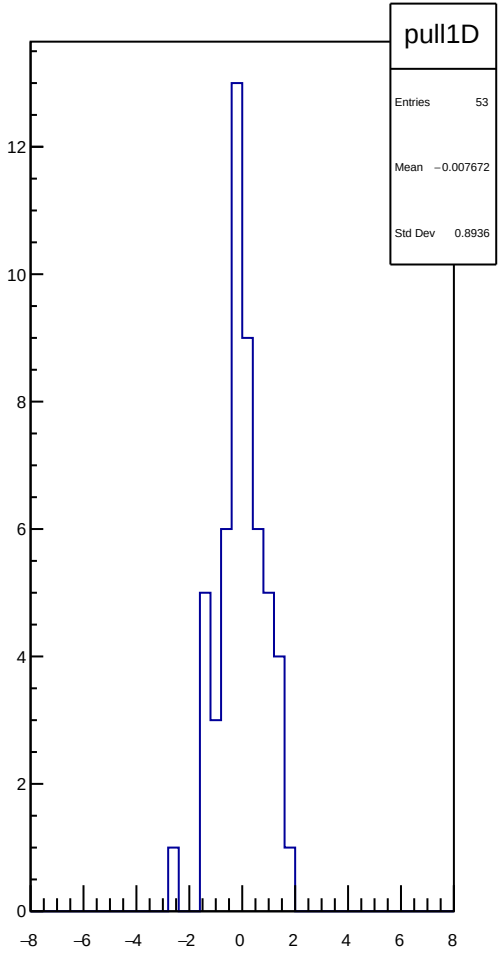
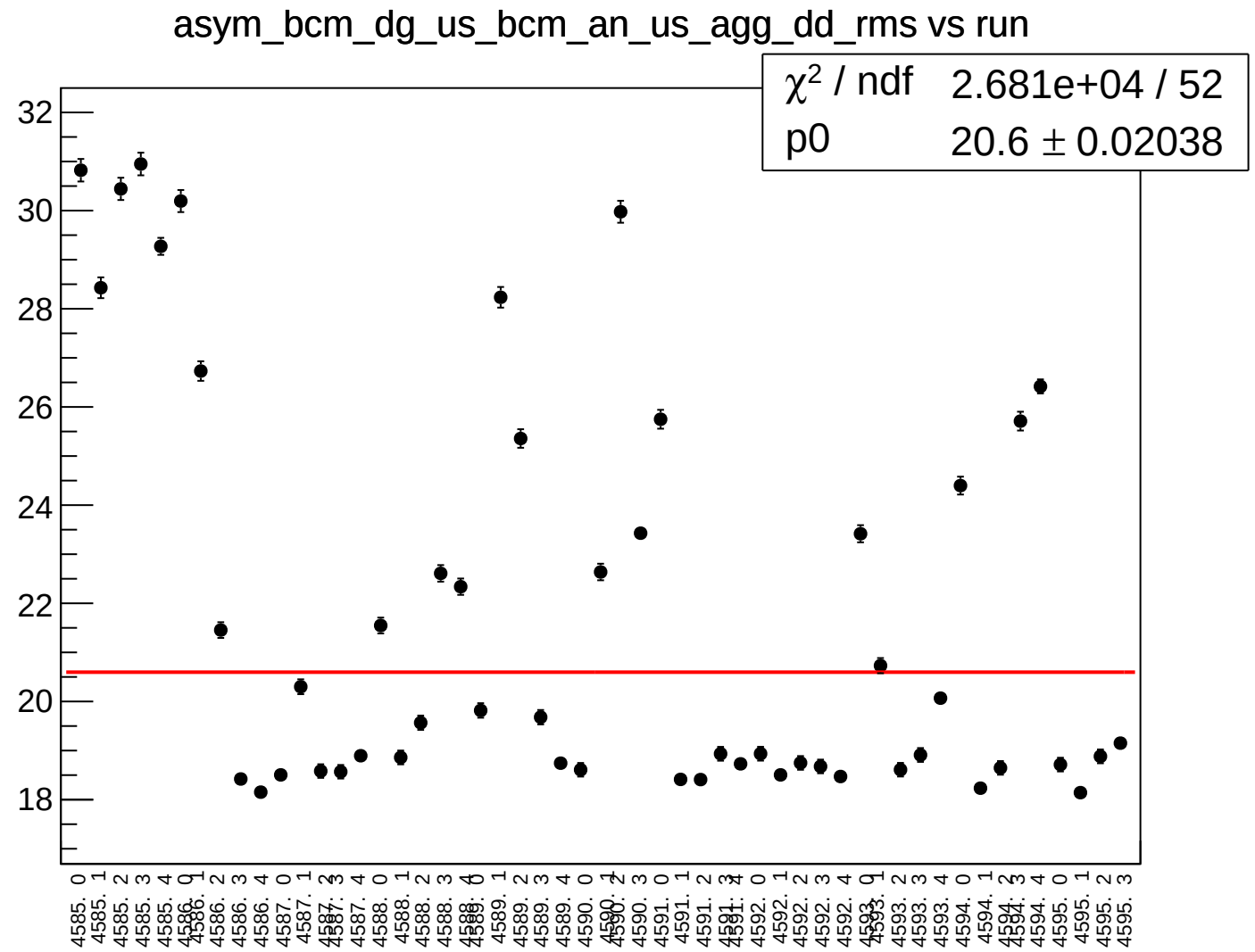
4595. 3


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 42.32 / 52
p0 29.35 ± 28.83
pull
Entries 53
Mean 334.3
Std Dev 297.3


pull1D
Entries 53
Mean −0.007672
Std Dev 0.8936


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2.681e+04 / 52
p0 20.6 ± 0.02038
32
30
28
26
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18
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
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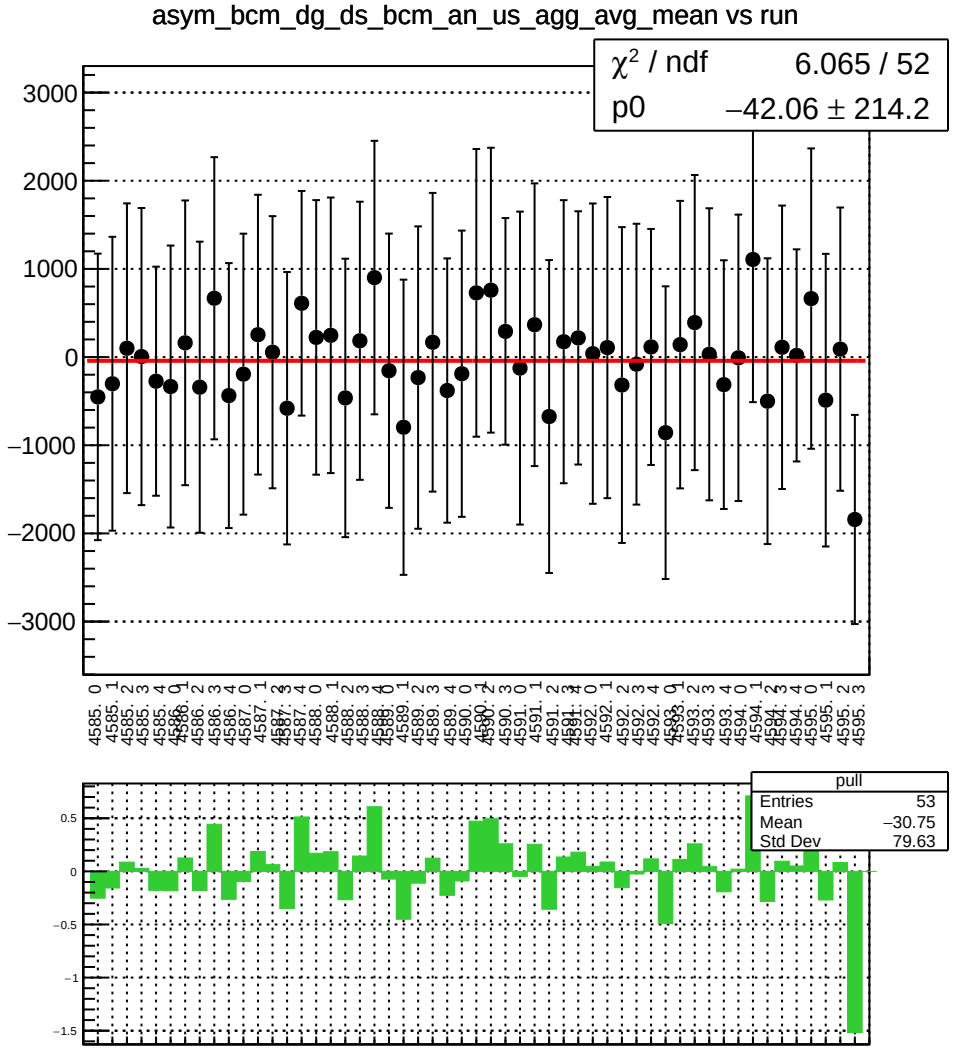
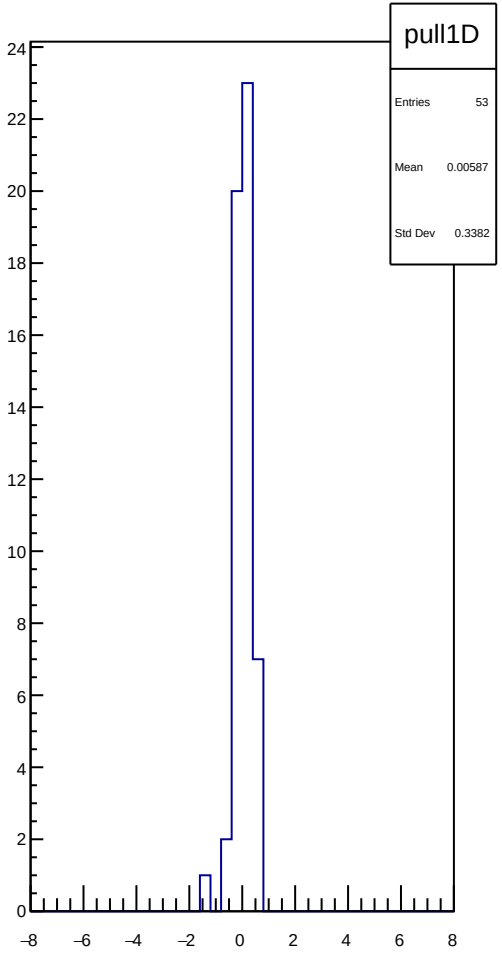
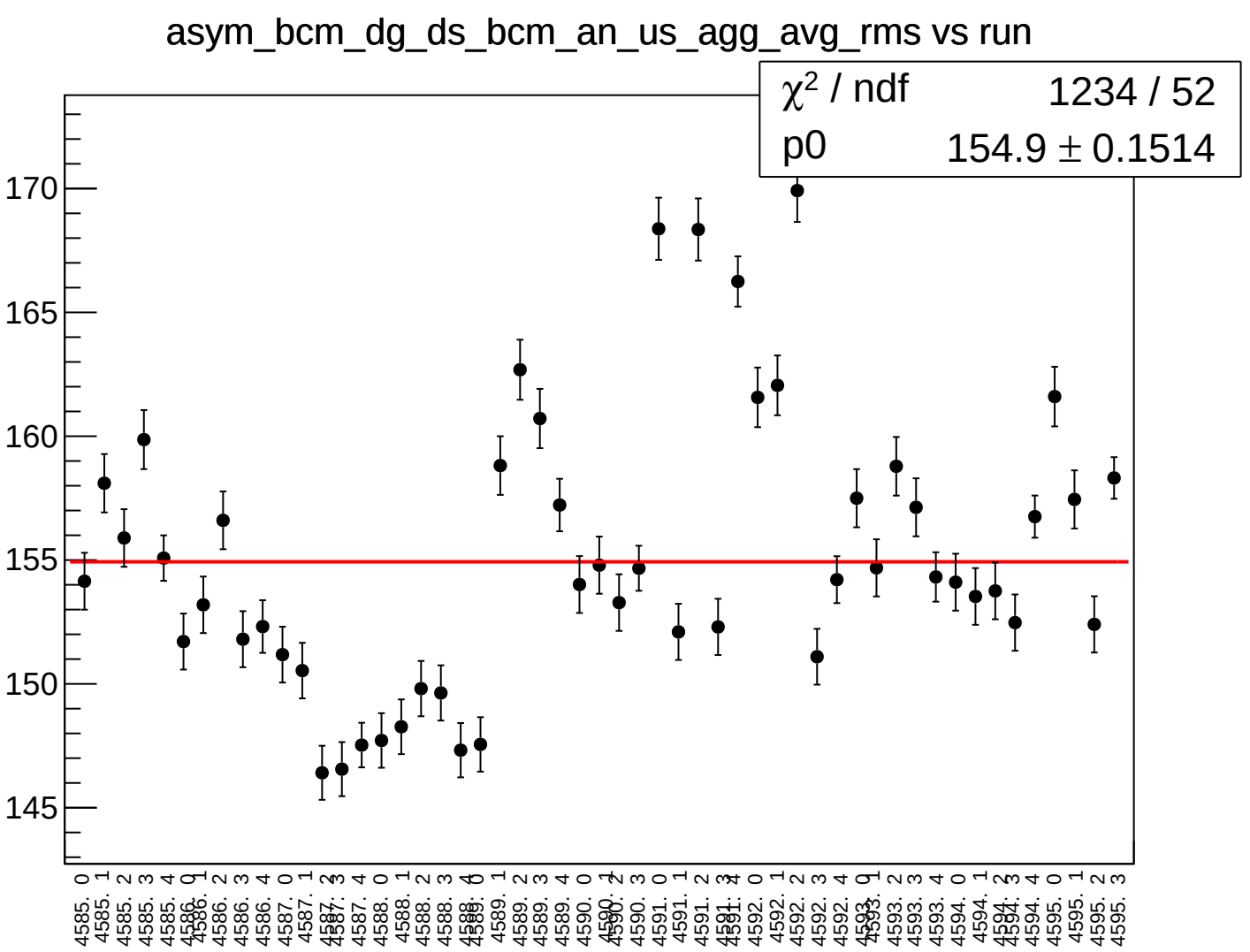
4595. 3


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 6.065 / 52
p0 −42.06 ± 214.2
pull
Entries 53
Mean −30.75
Std Dev 79.63


pull1D
Entries 53
Mean 0.00587
Std Dev 0.3382


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1234 / 52
p0 154.9 ± 0.1514
170
165
160
155
150
145
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
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4588. 1
4588. 2
4588. 3
4588. 4
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4589. 2
4589. 3
4589. 4
4590. 0
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4590. 2
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4593. 2
4593. 3
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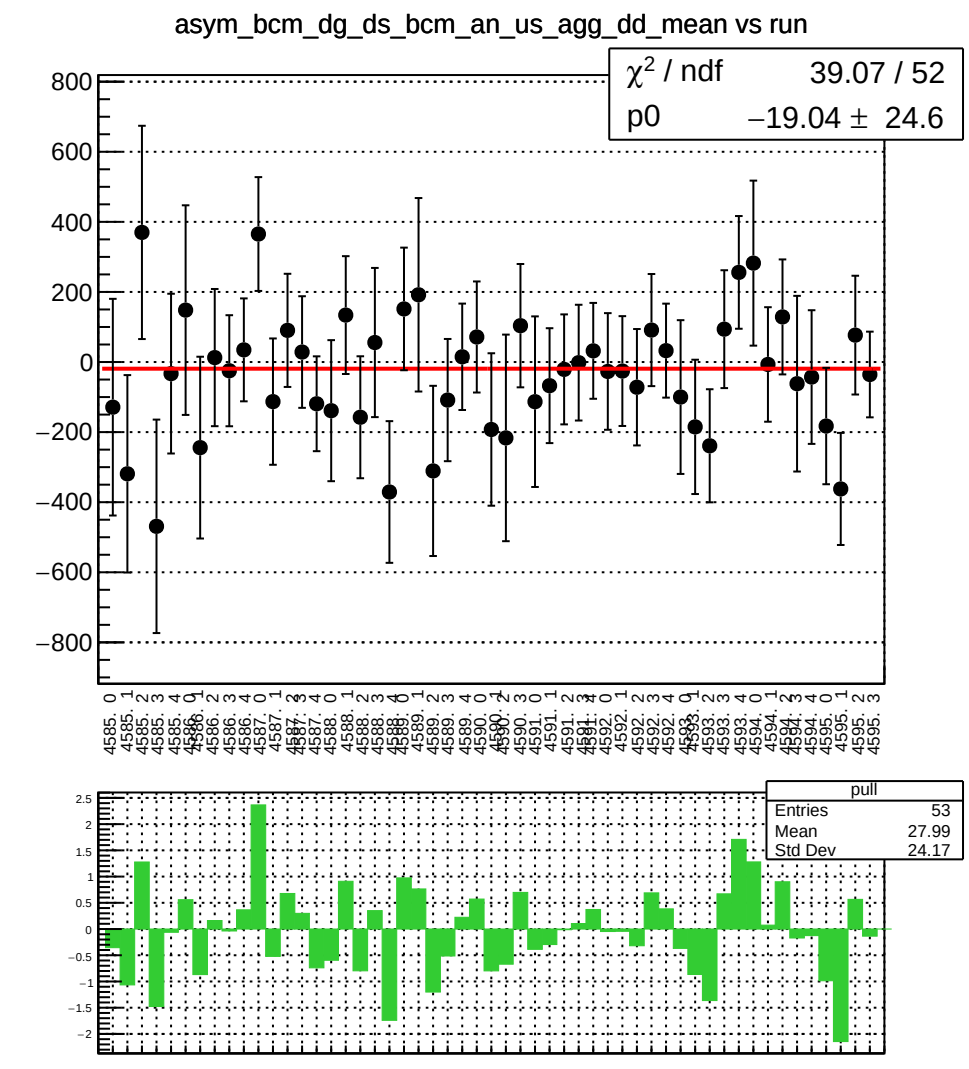
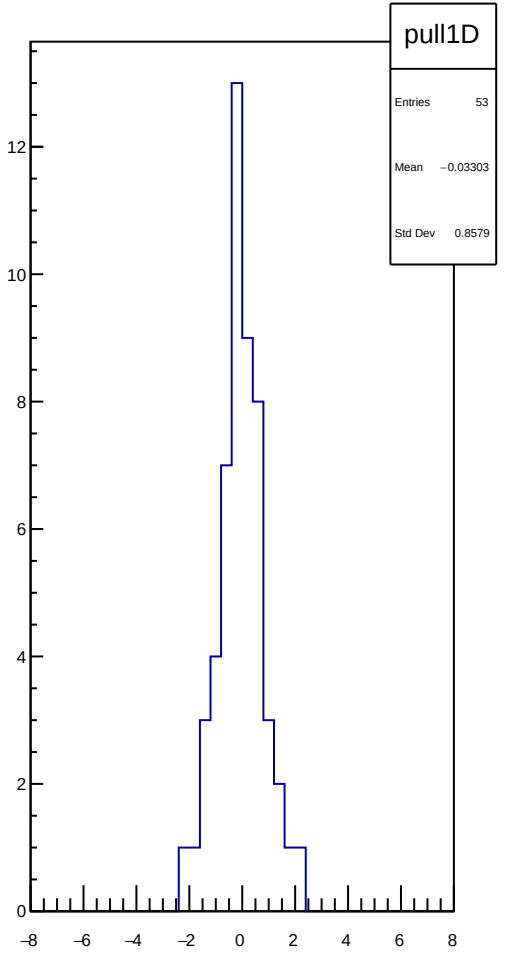
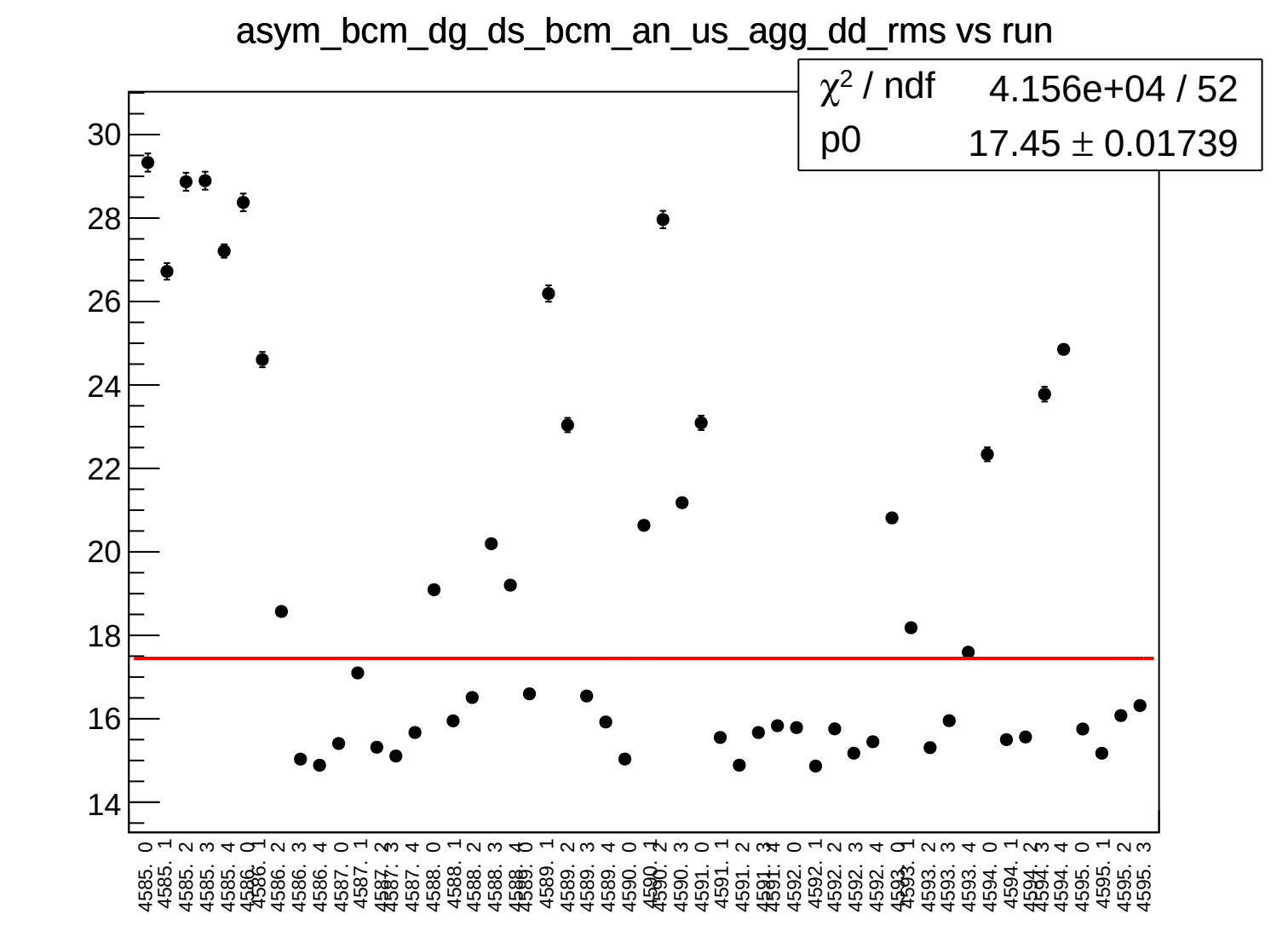
4595. 3


asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 39.07 / 52
p0 −19.04 ± 24.6
pull
Entries 53
Mean 27.99
Std Dev 24.17


pull1D
Entries 53
Mean −0.03303
Std Dev 0.8579


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 4.156e+04 / 52
p0 17.45 ± 0.01739
30
28
26
24
22
20
18
16
14
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
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4588. 3
4589. 1
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4589. 3
4589. 4
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4591. 2
4592. 0
4592. 1
4592. 2
4592. 3
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4594. 0
4594. 1
4595. 0
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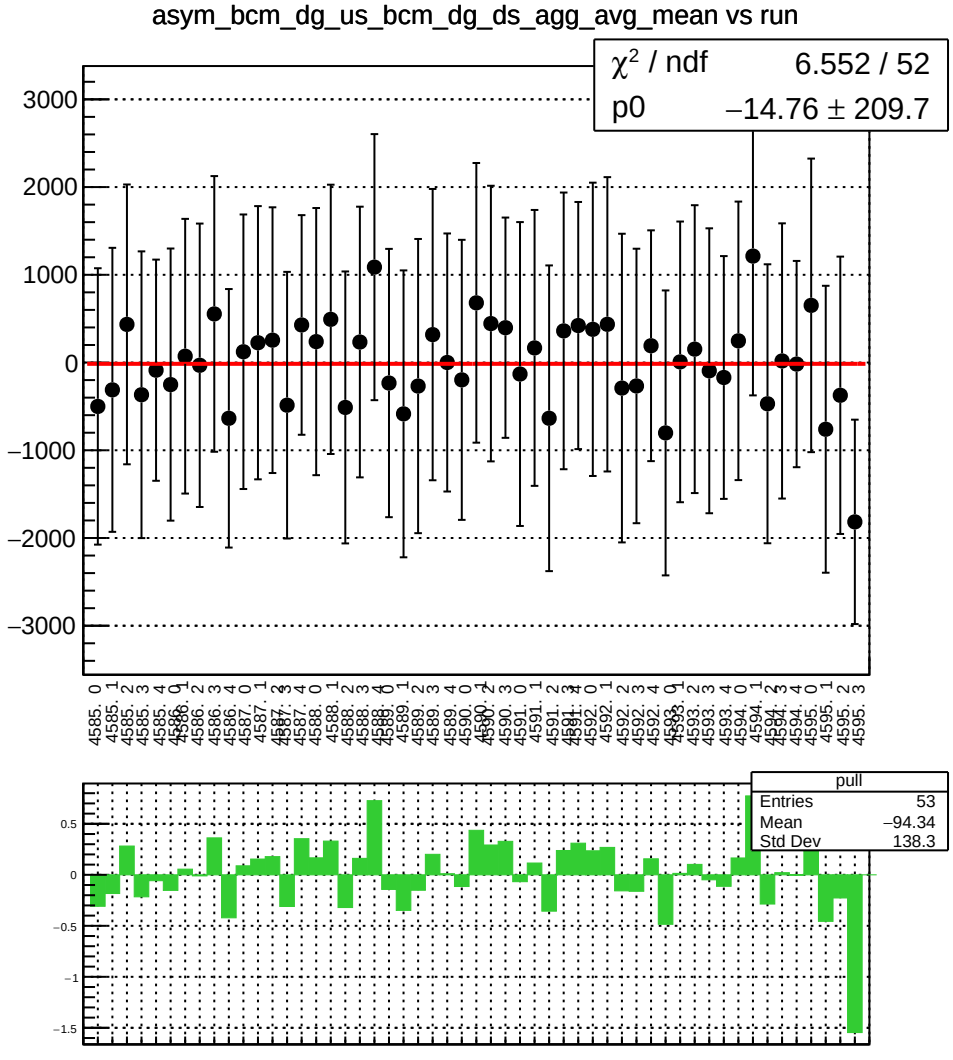
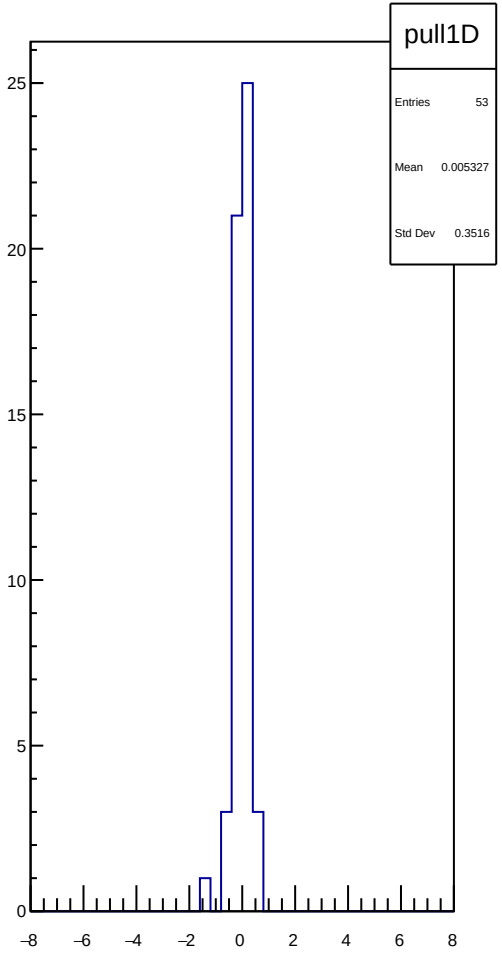
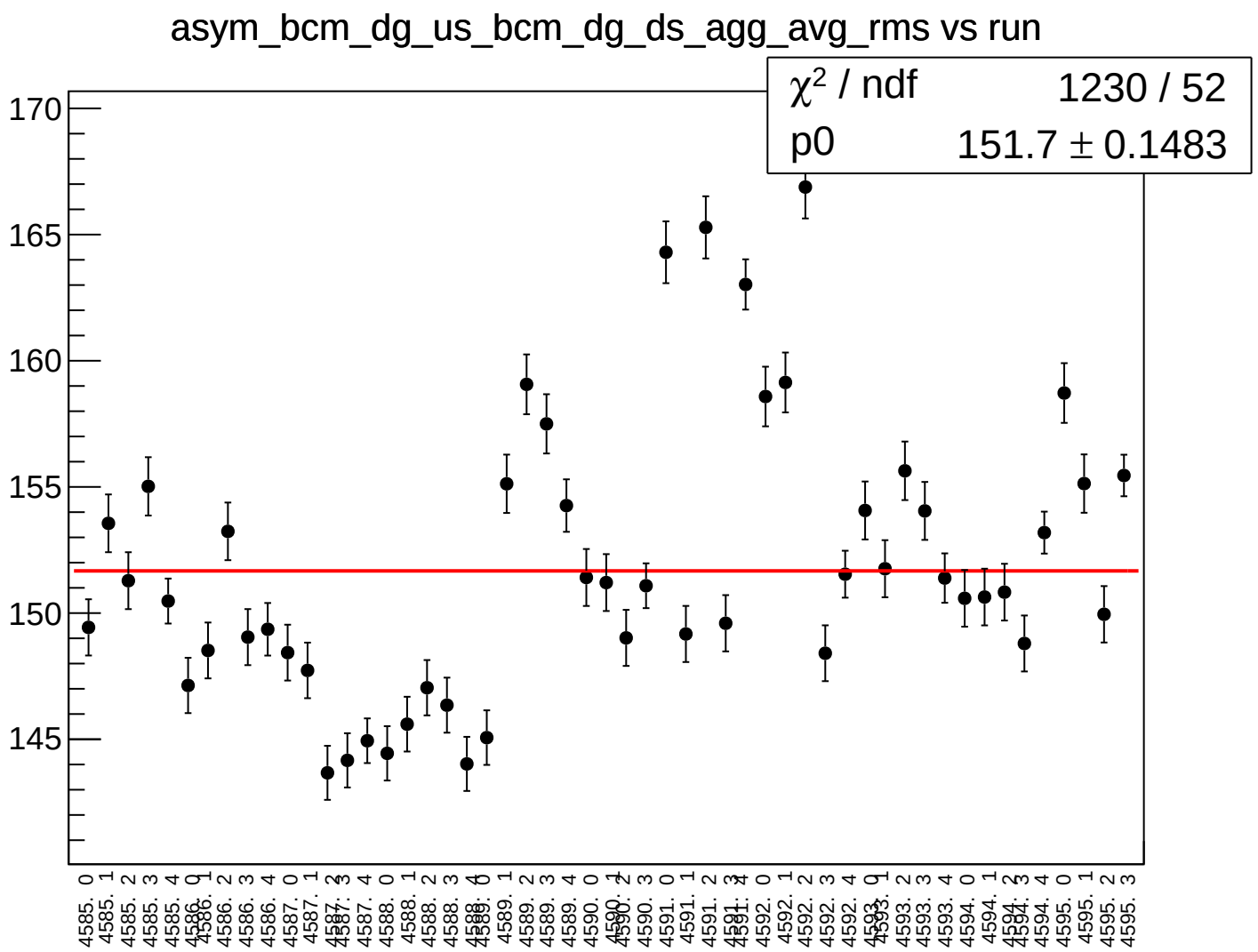
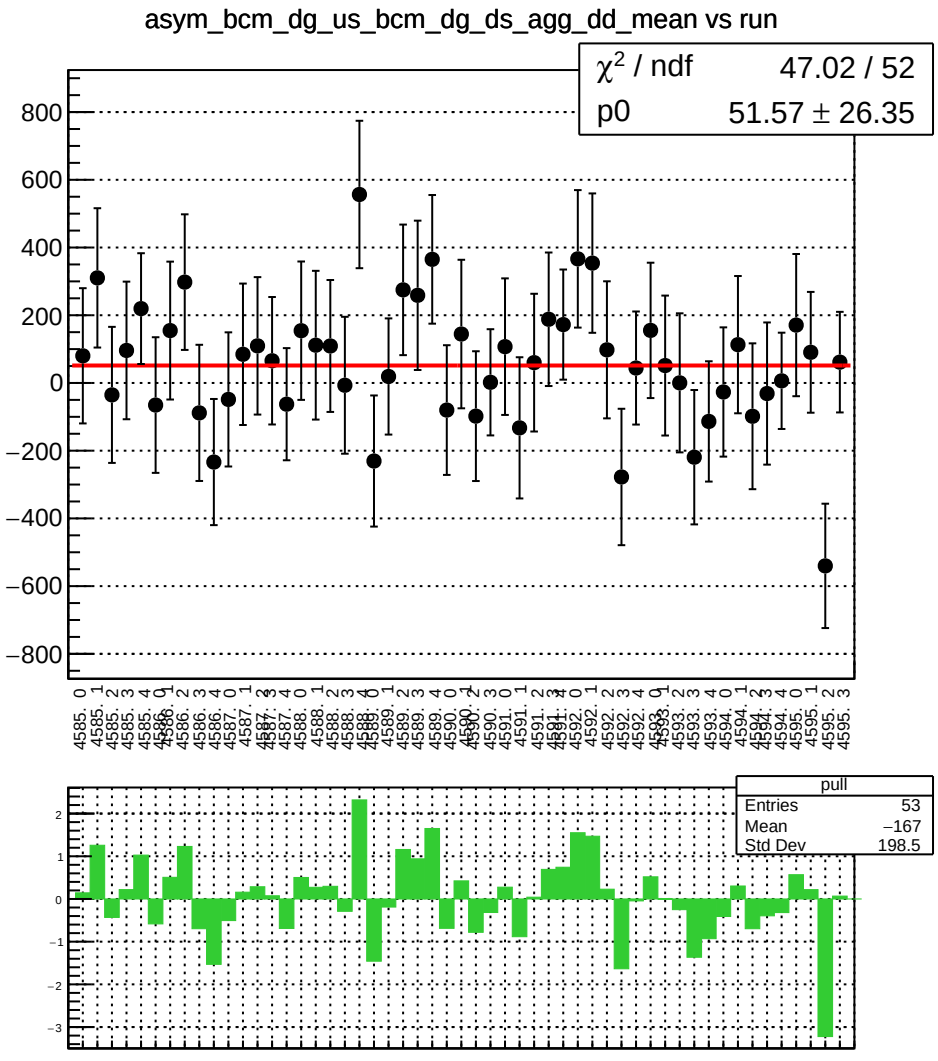
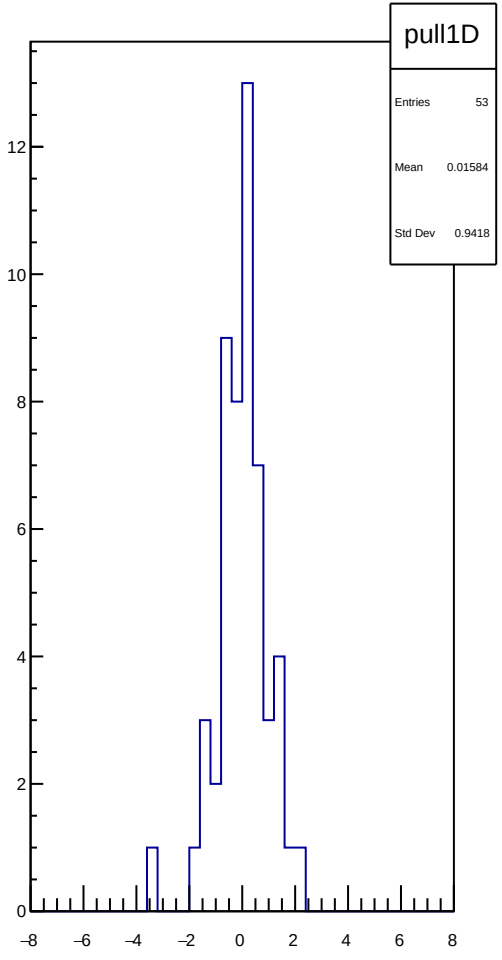
4595. 2
4595. 3

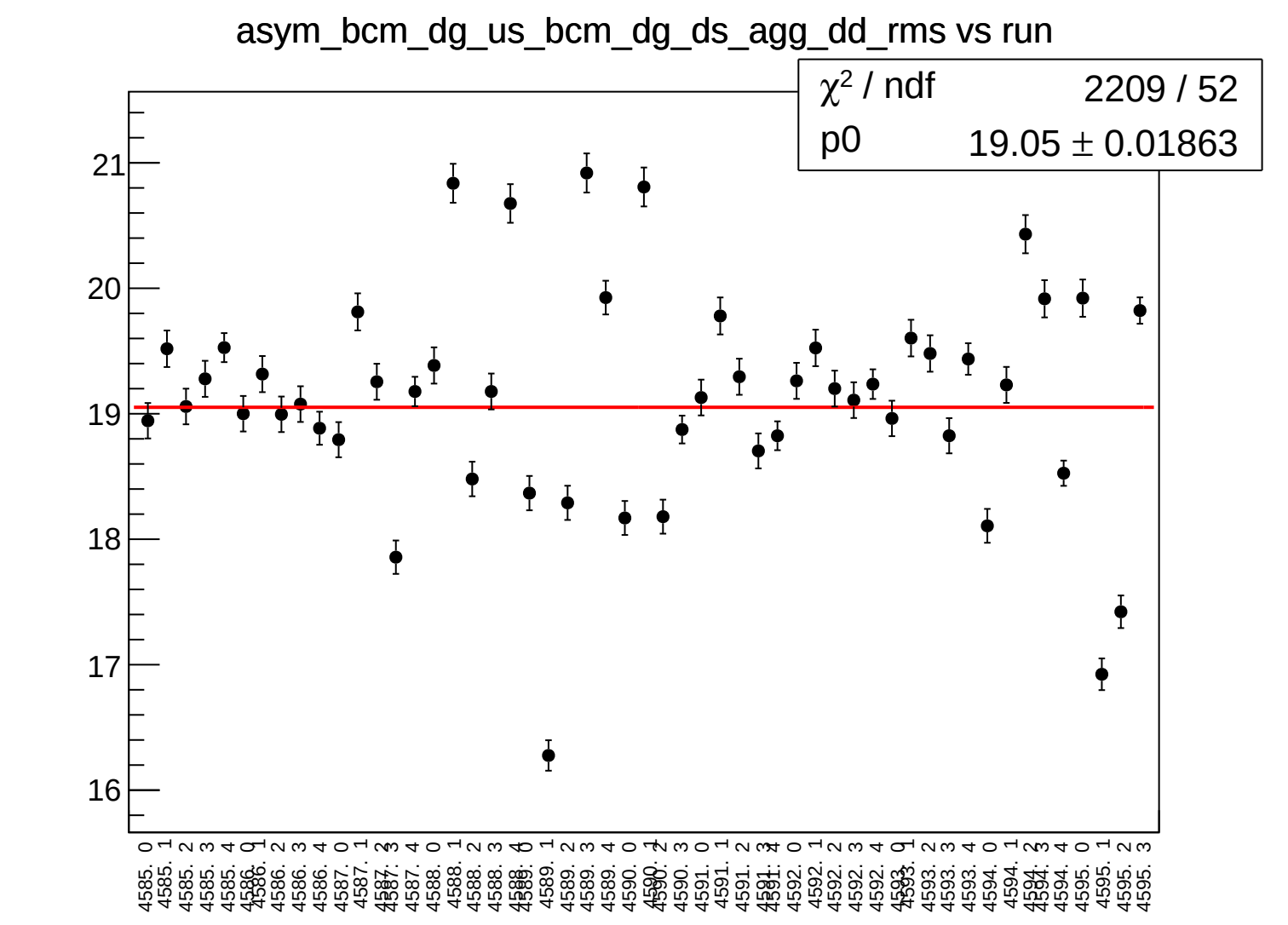

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 6.552 / 52
p0 −14.76 ± 209.7
pull
Entries 53
Mean −94.34
Std Dev 138.3


pull1D
Entries 53
Mean 0.005327
Std Dev 0.3516


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1230 / 52
p0 151.7 ± 0.1483
170
165
160
155
150
145


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 47.02 / 52
p0 51.57 ± 26.35
pull
Entries 53
Mean −167
Std Dev 198.5


pull1D
Entries 53
Mean 0.01584
Std Dev 0.9418


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 2209 / 52
p0 19.05 ± 0.01863
21
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19
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17
16
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
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4586. 4
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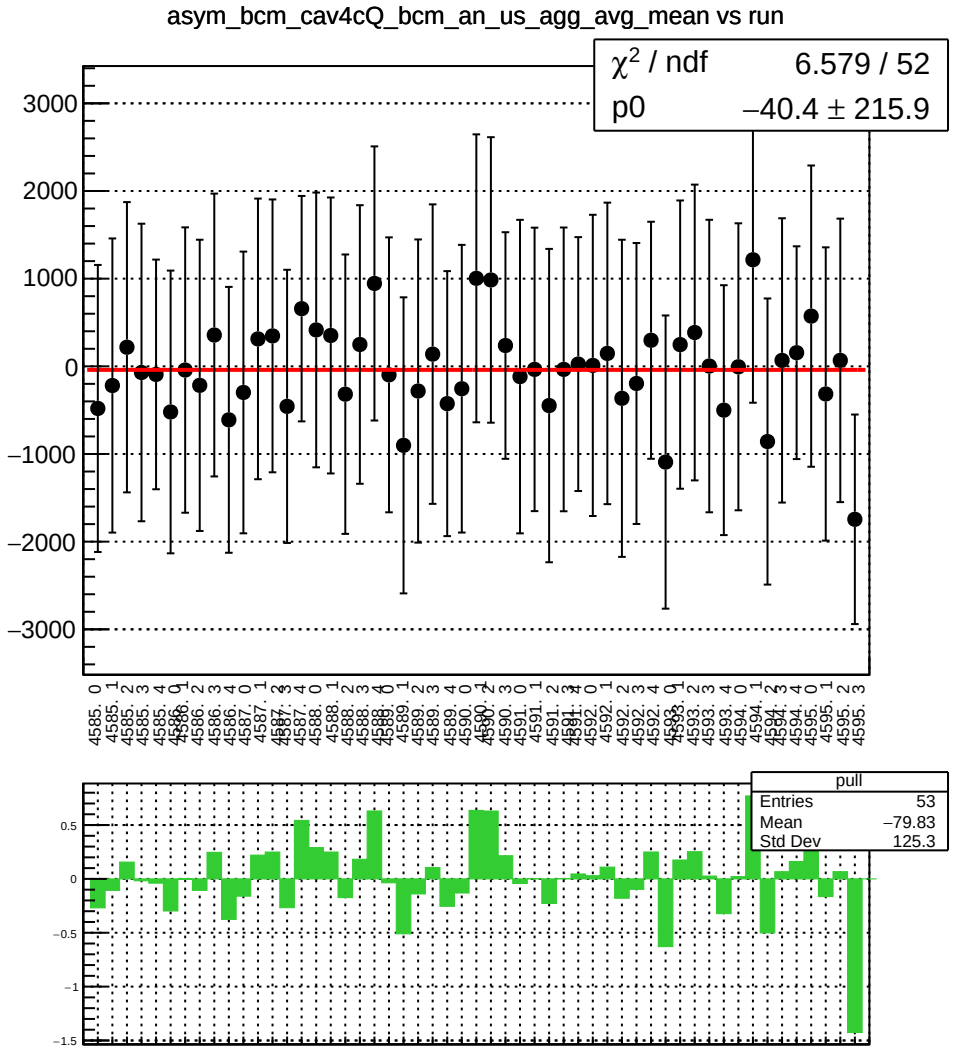
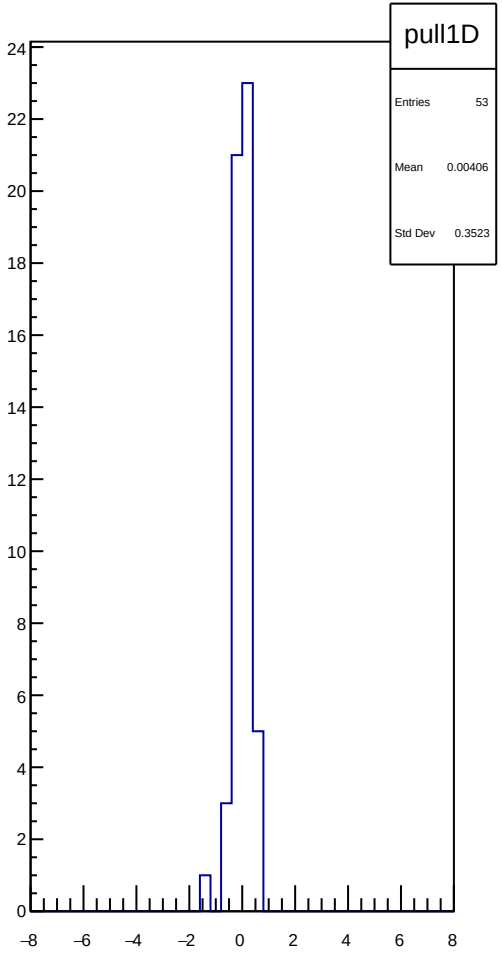
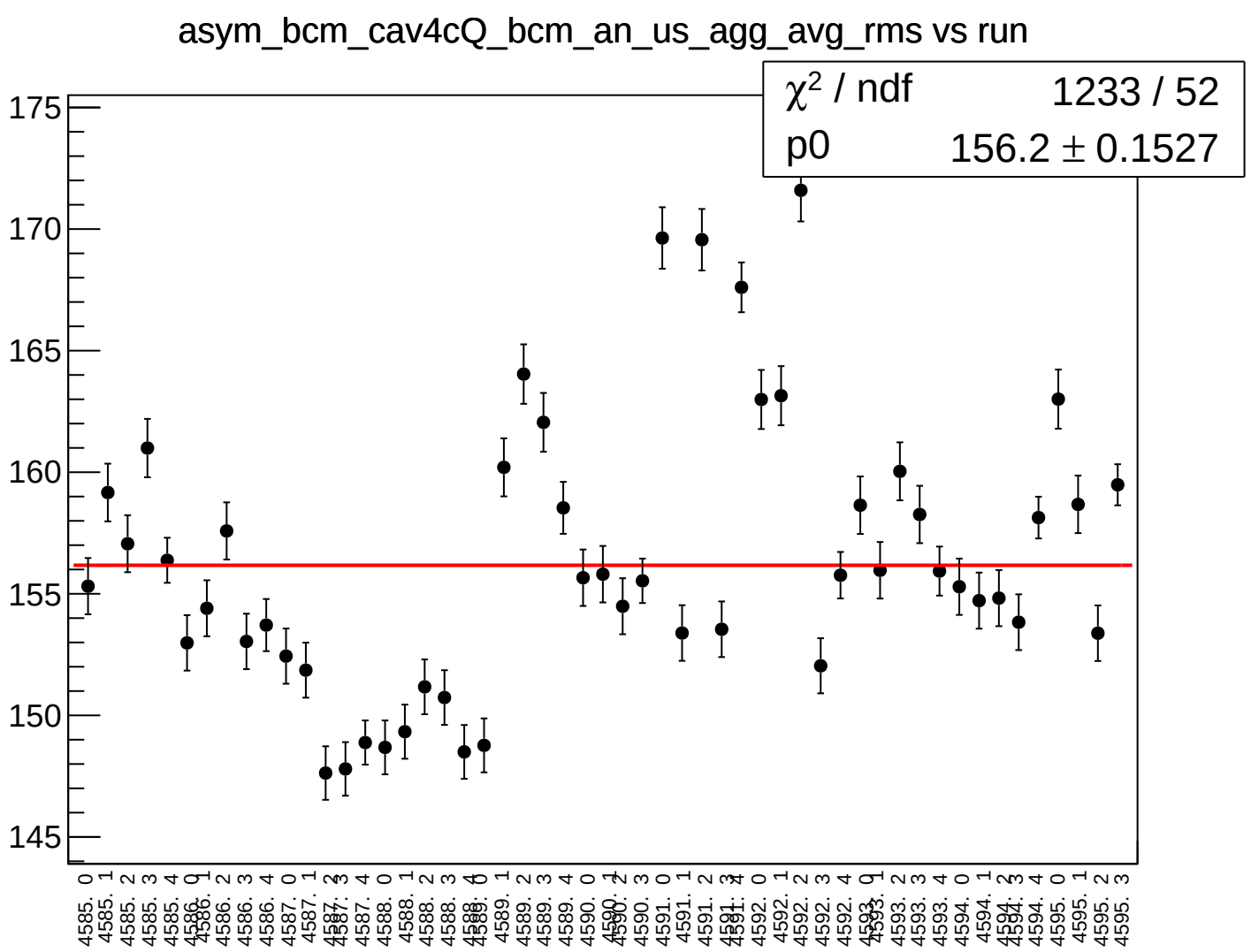
4595. 3


asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 6.579 / 52
p0 −40.4 ± 215.9
pull
Entries 53
Mean −79.83
Std Dev 125.3


pull1D
Entries 53
Mean 0.00406
Std Dev 0.3523


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1233 / 52
p0 156.2 ± 0.1527
175
170
165
160
155
150
145
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
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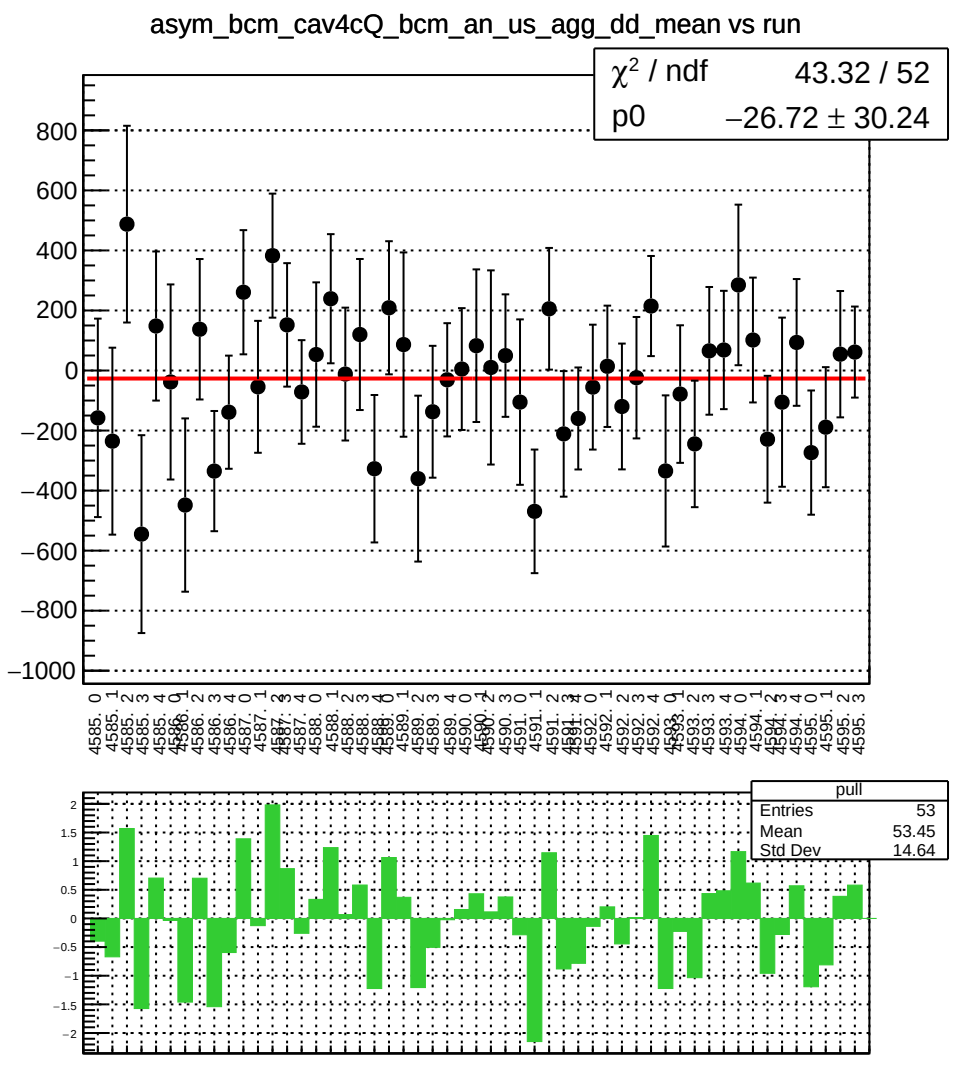
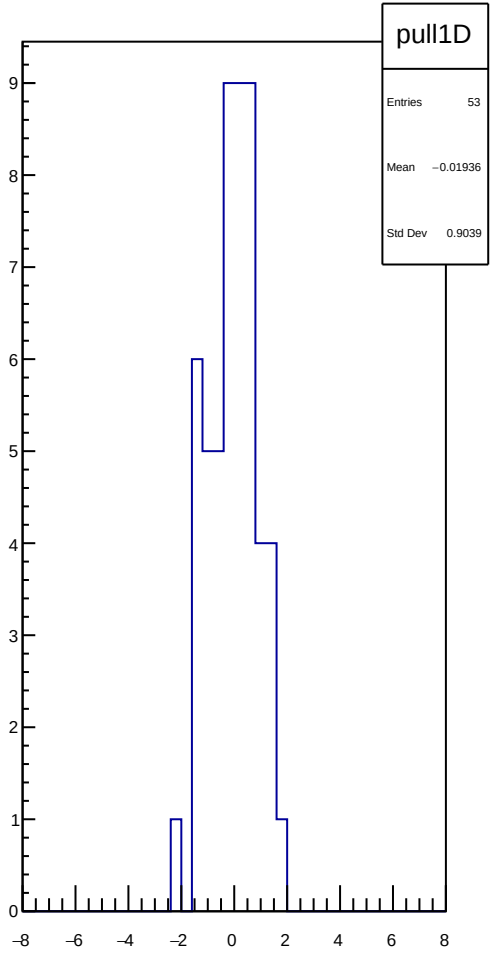
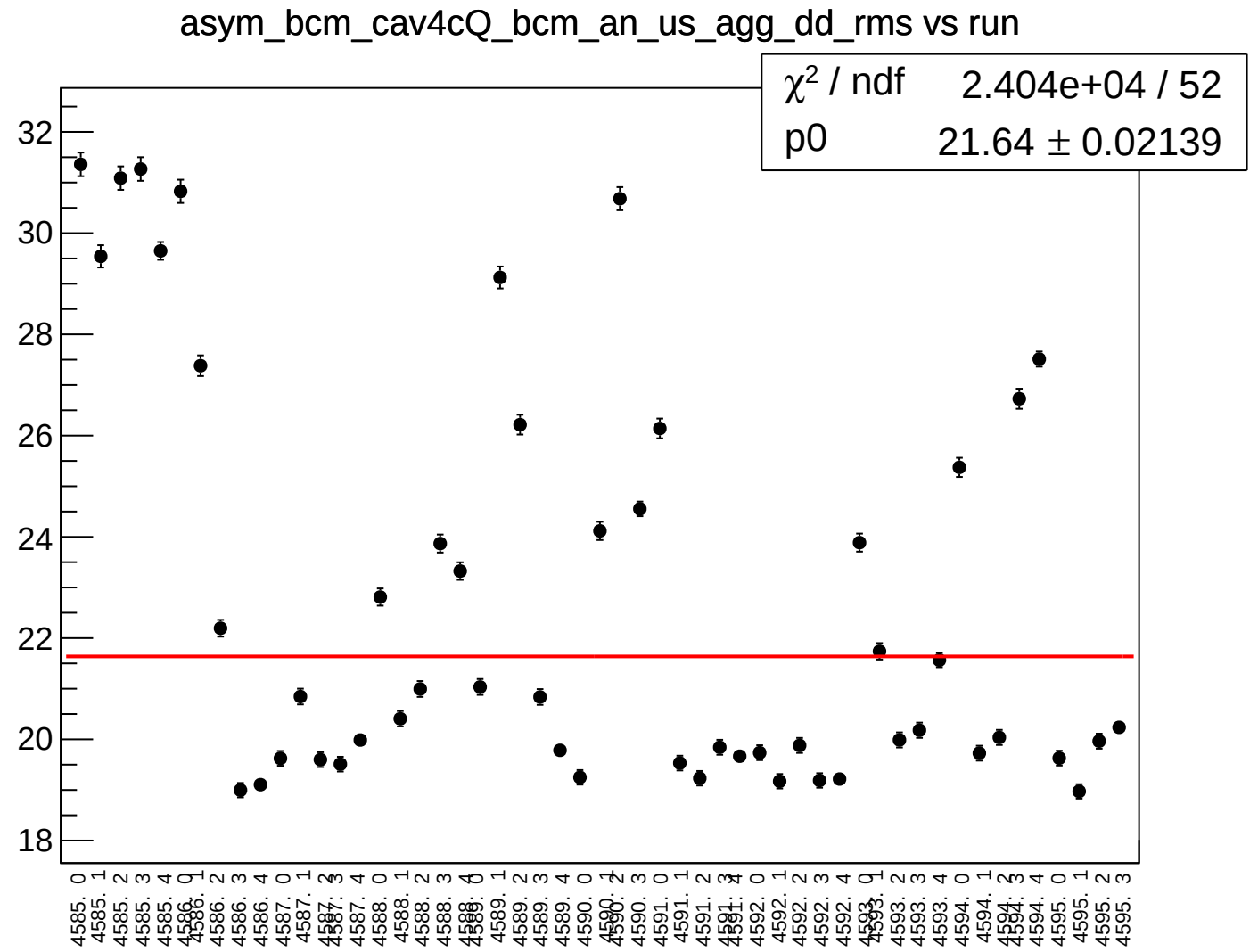
4595. 3


asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 43.32 / 52
p0 −26.72 ± 30.24
pull
Entries 53
Mean 53.45
Std Dev 14.64


pull1D
Entries 53
Mean −0.01936
Std Dev 0.9039


asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2.404e+04 / 52
p0 21.64 ± 0.02139
32
30
28
26
24
22
20
18
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
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4587. 3
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4591. 3
4591. 4
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4592. 2
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4593. 0
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4593. 3
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4594. 2
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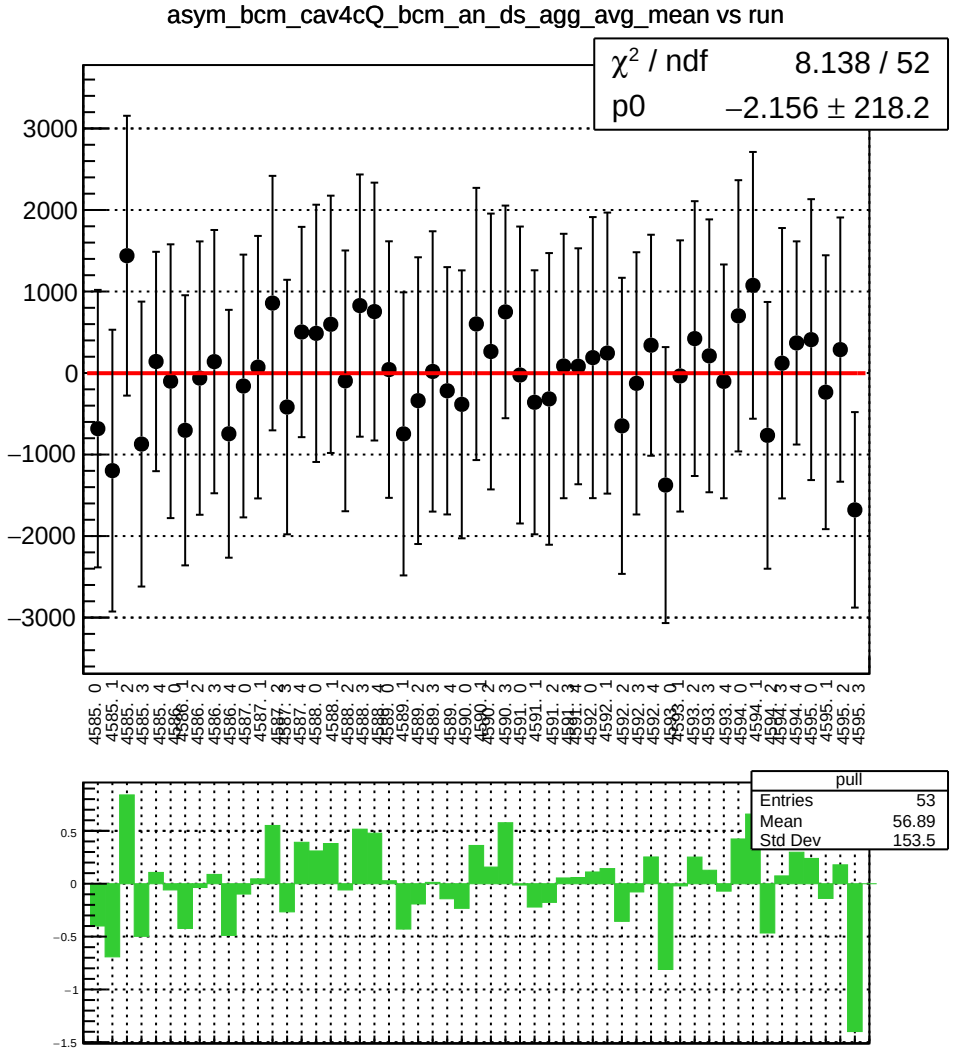
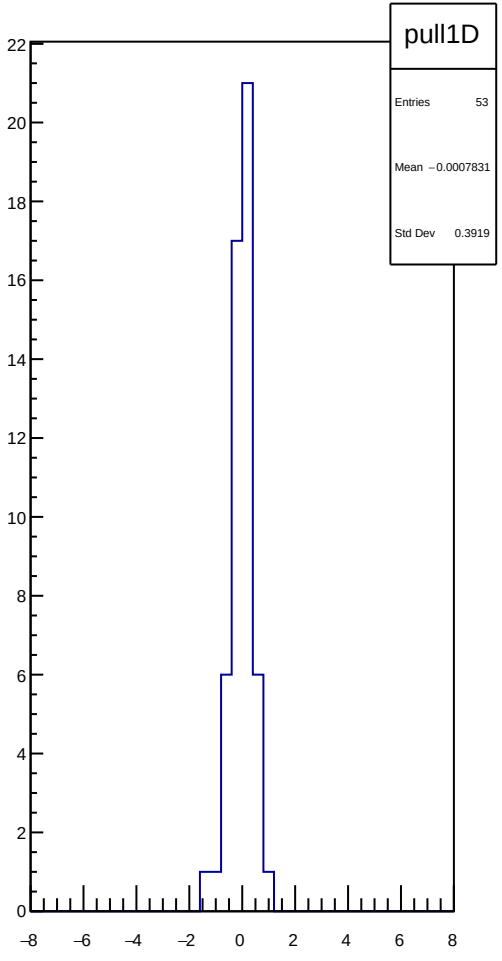
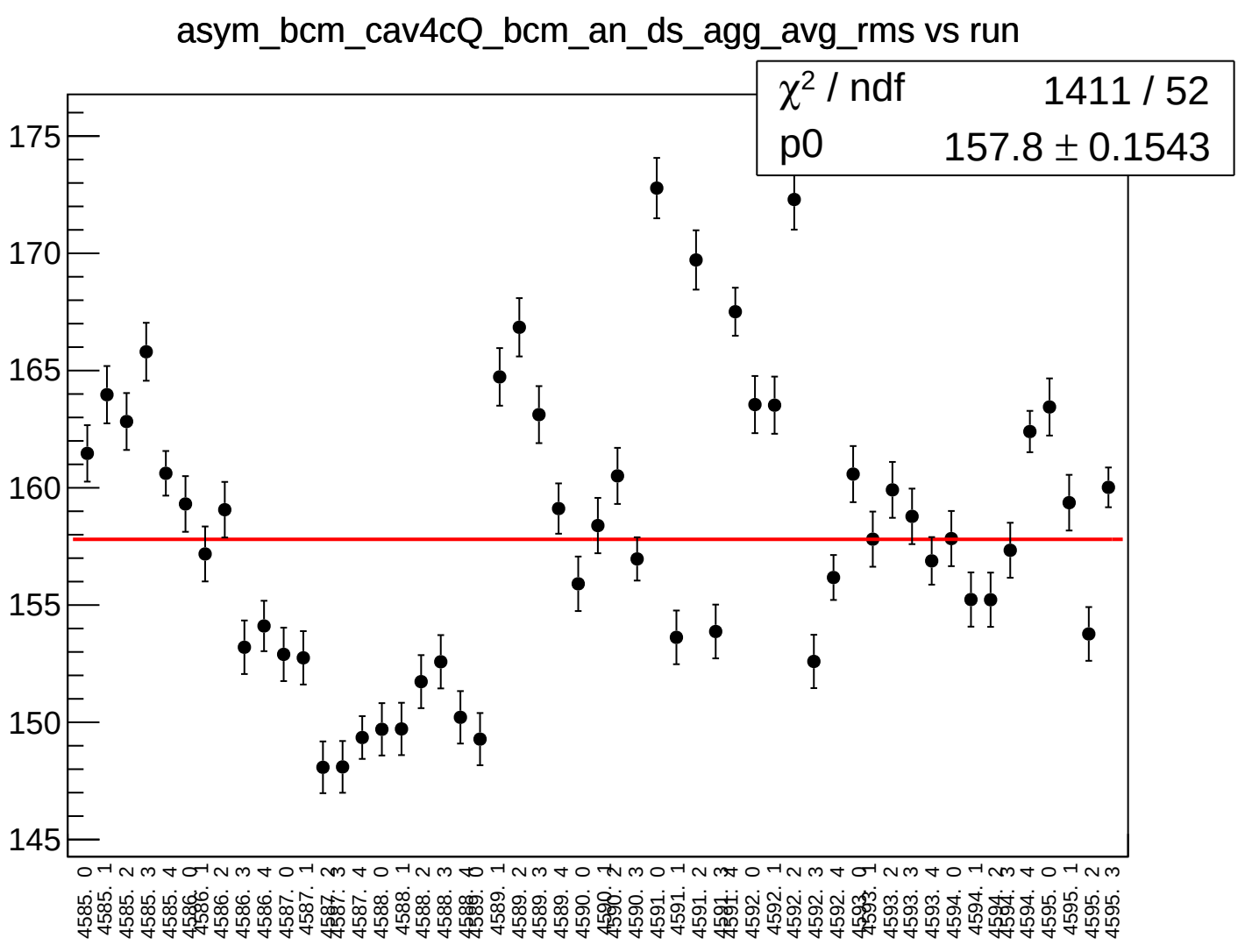
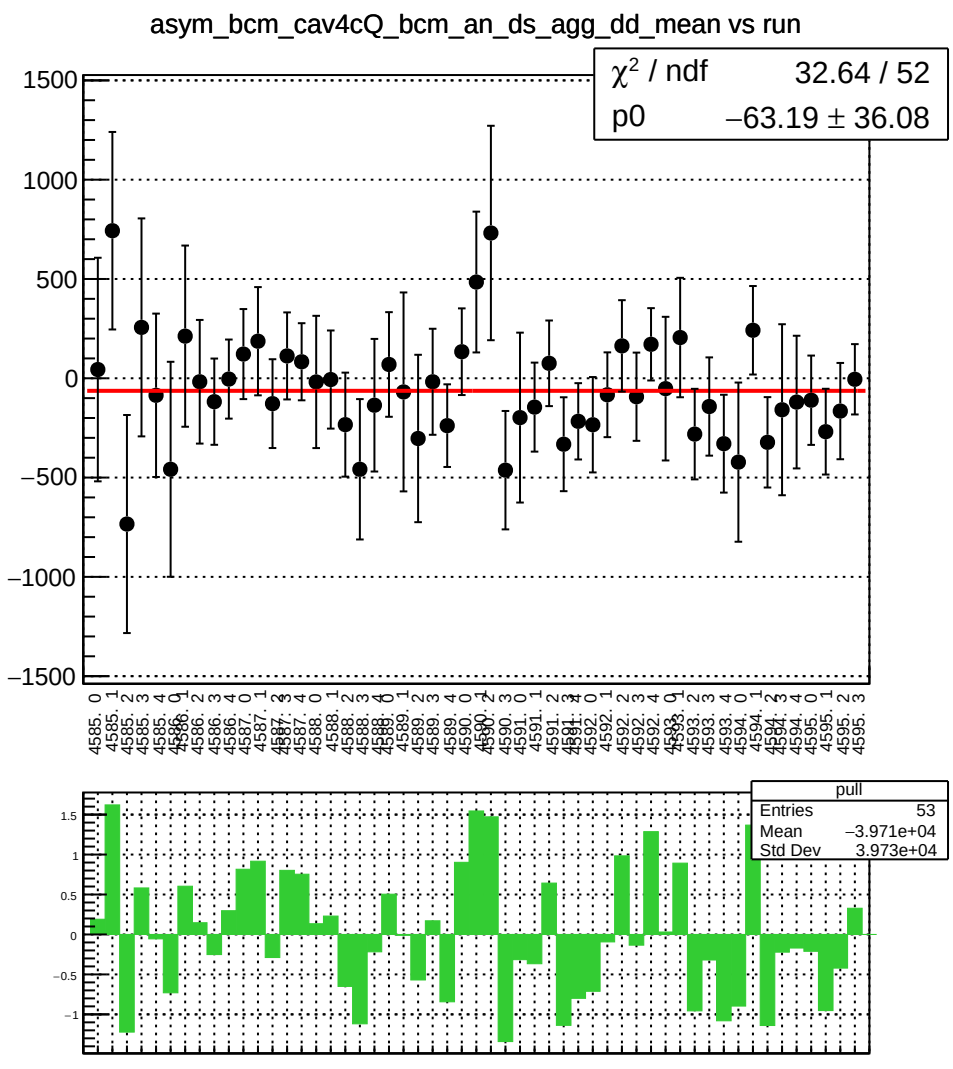
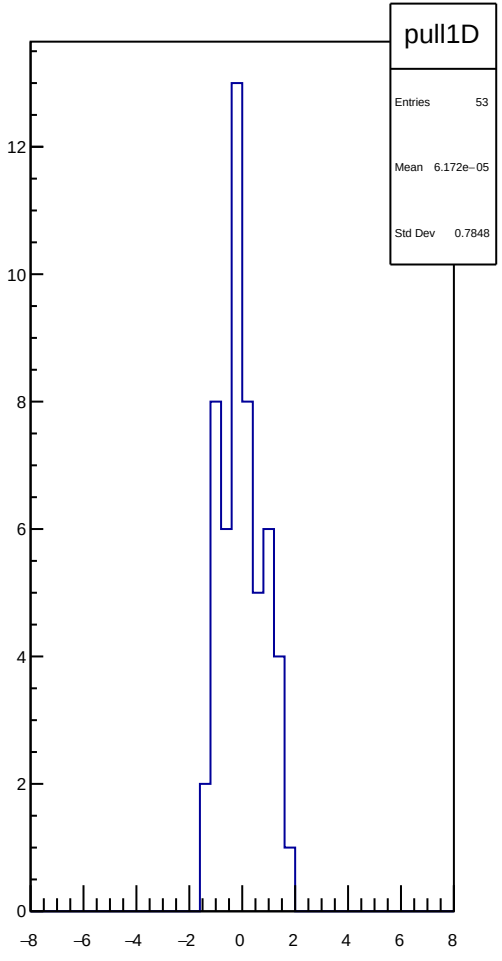
4595. 2
4595. 3

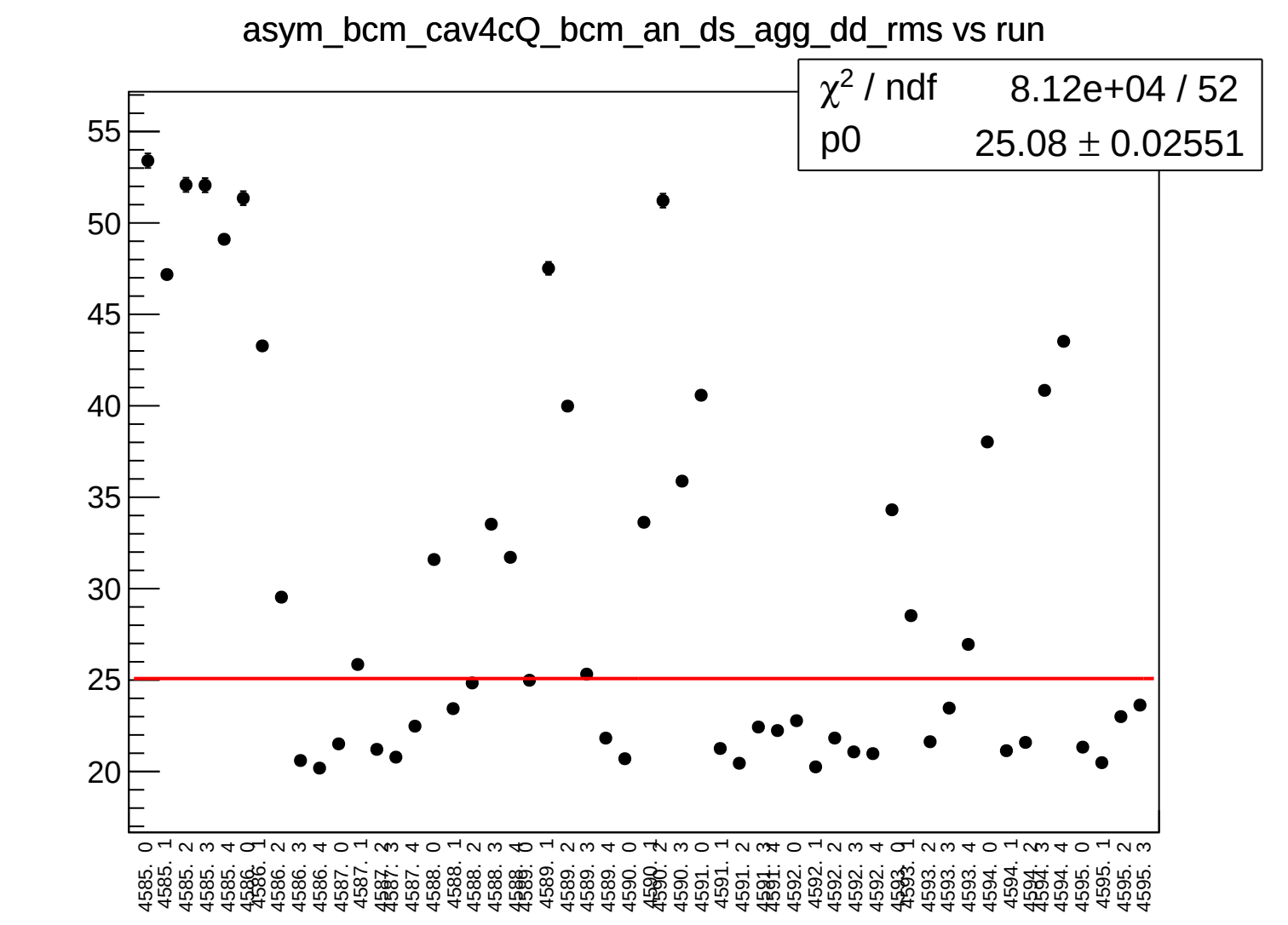

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 8.138 / 52
p0 −2.156 ± 218.2
pull
Entries 53
Mean 56.89
Std Dev 153.5


pull1D
Entries 53
Mean −0.0007831
Std Dev 0.3919


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1411 / 52
p0 157.8 ± 0.1543
175
170
165
160
155
150
145


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 32.64 / 52
p0 −63.19 ± 36.08
pull
Entries 53
Mean −3.971e+04
Std Dev 3.973e+04


pull1D
Entries 53
Mean 6.172e−05
Std Dev 0.7848


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 8.12e+04 / 52
p0 25.08 ± 0.02551
55
50
45
40
35
30
25
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4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
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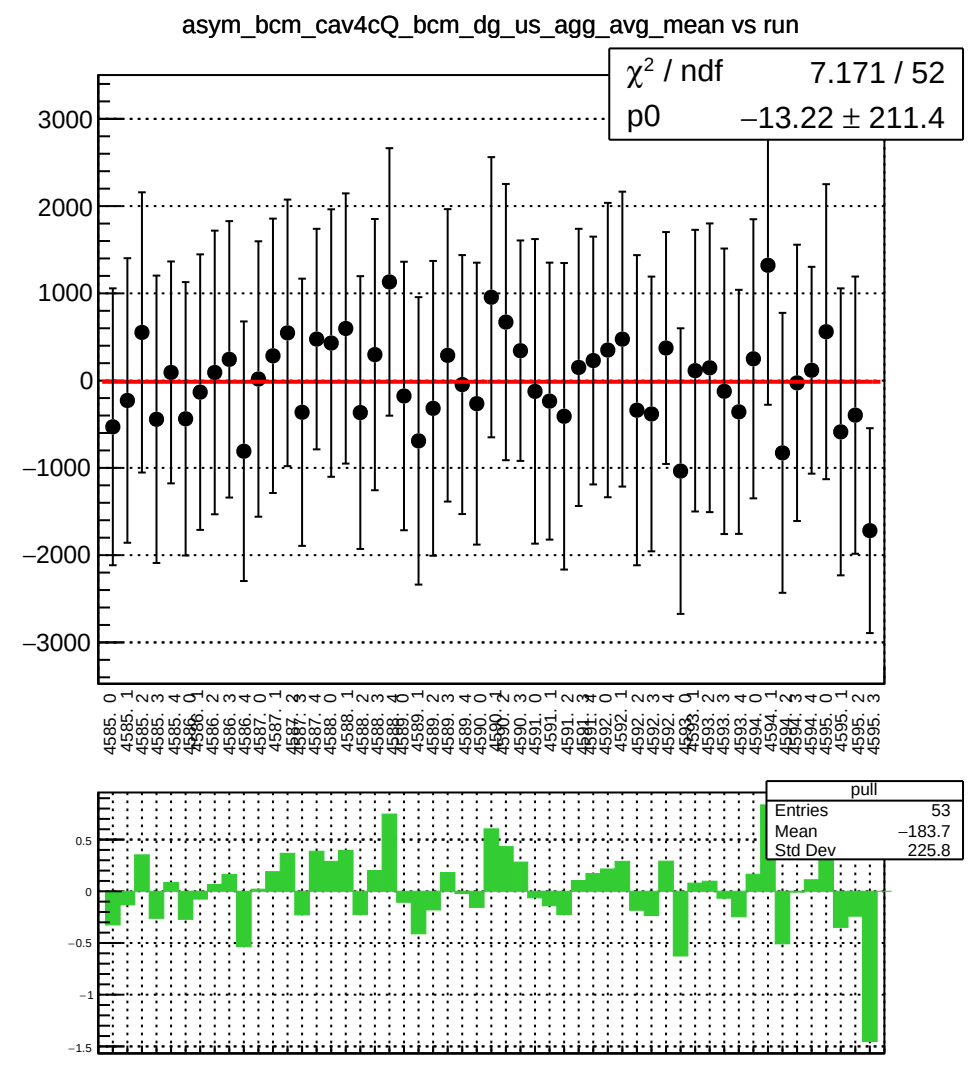
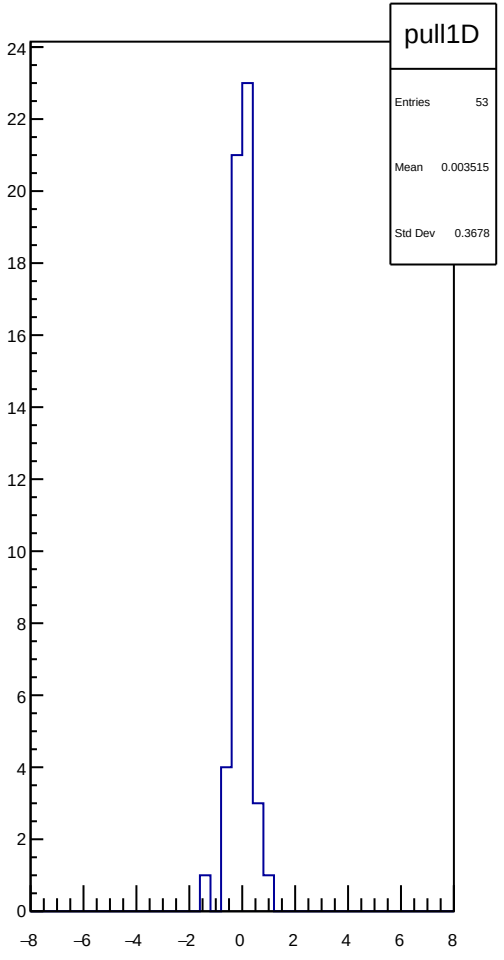
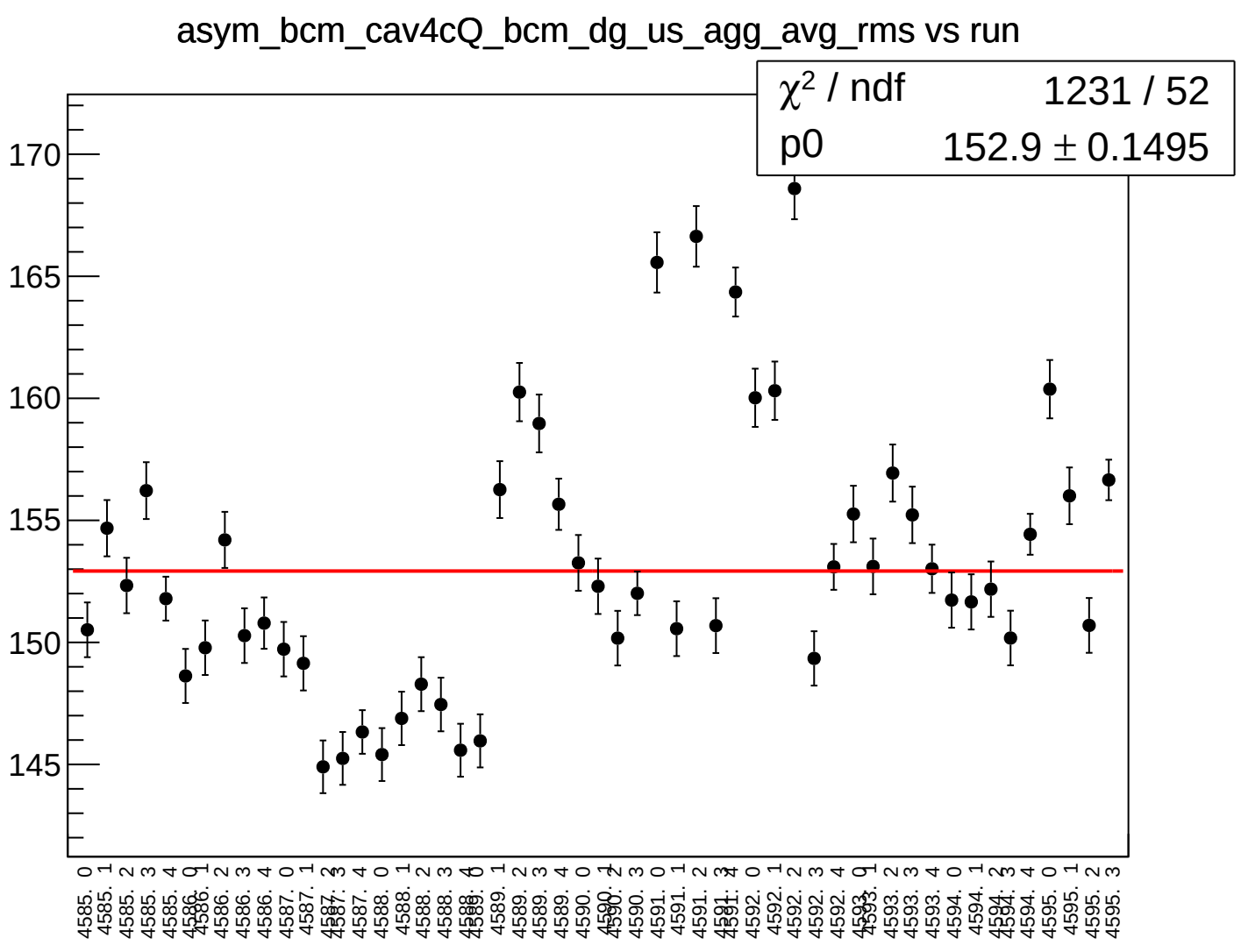
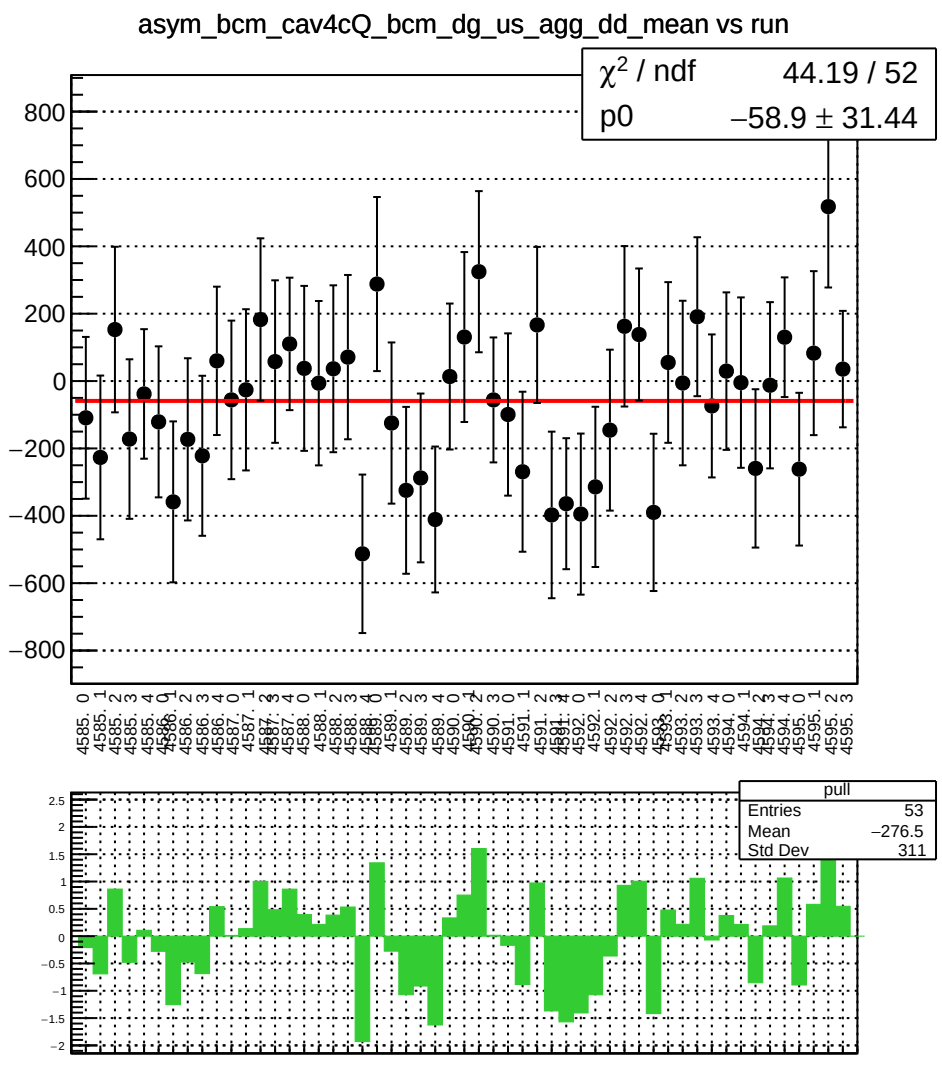
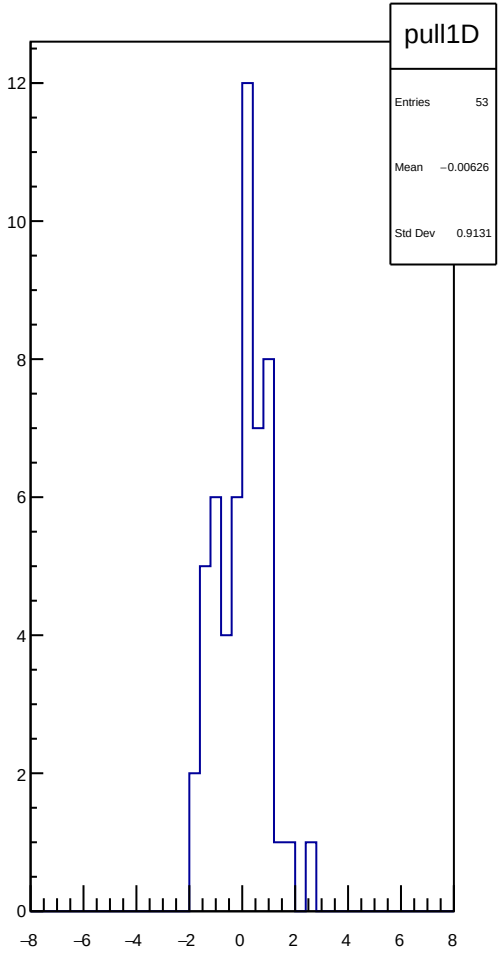
4595. 3

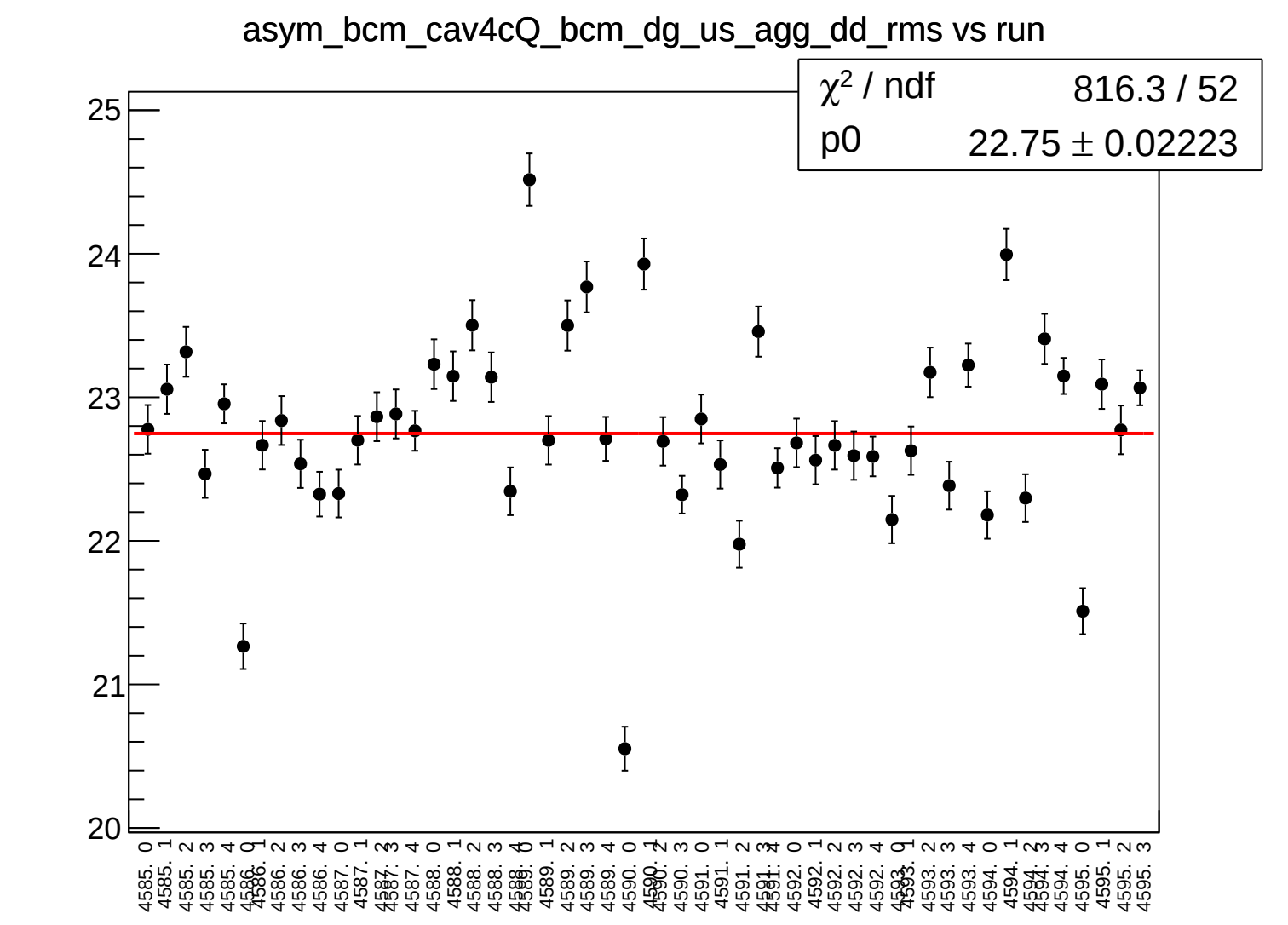

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 7.171 / 52
p0 −13.22 ± 211.4
pull
Entries 53
Mean −183.7
Std Dev 225.8


pull1D
Entries 53
Mean 0.003515
Std Dev 0.3678


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 1231 / 52
p0 152.9 ± 0.1495
170
165
160
155
150
145


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 44.19 / 52
p0 −58.9 ± 31.44
pull
Entries 53
Mean −276.5
Std Dev 311


pull1D
Entries 53
Mean −0.00626
Std Dev 0.9131


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 816.3 / 52
p0 22.75 ± 0.02223
25
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4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
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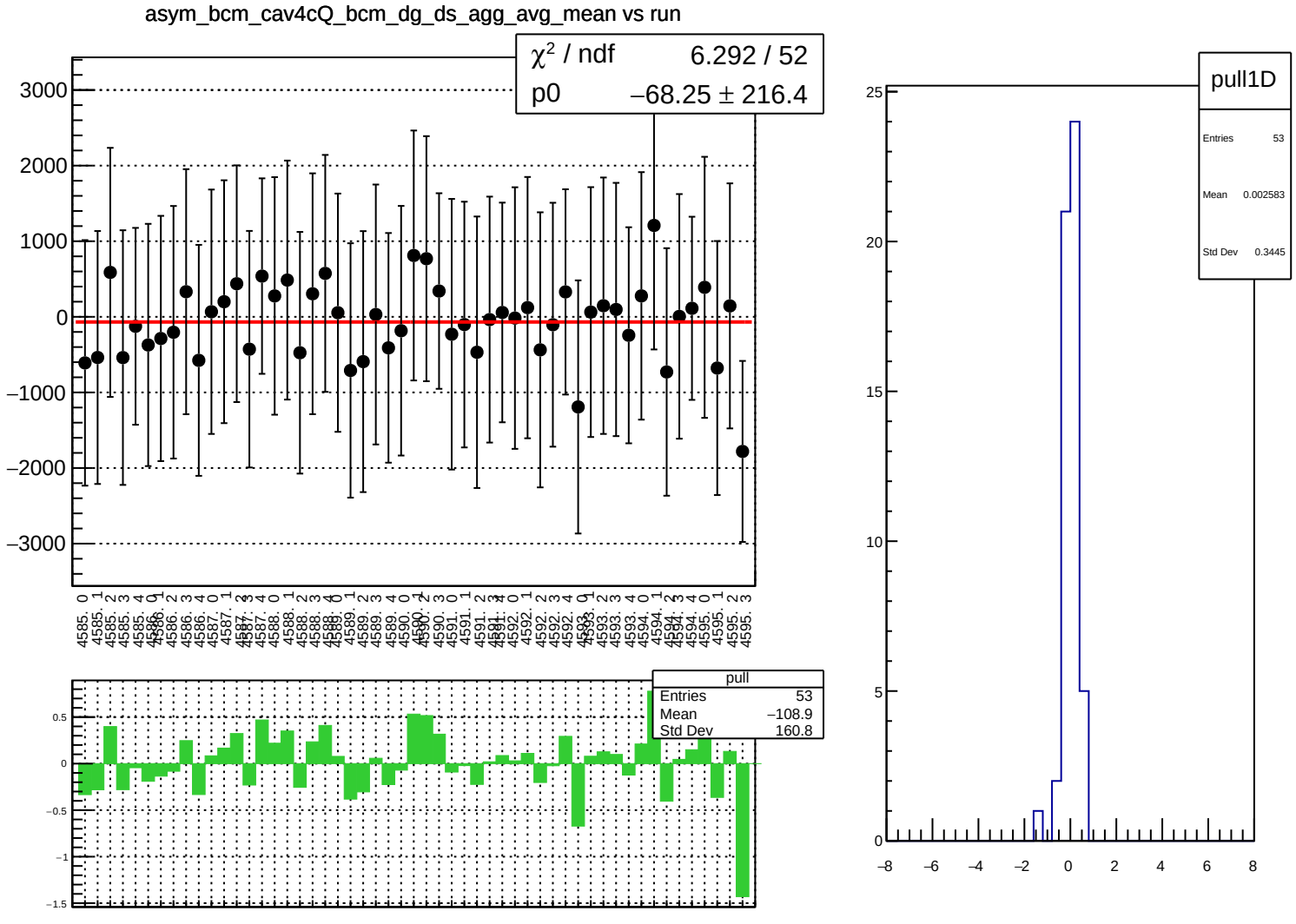
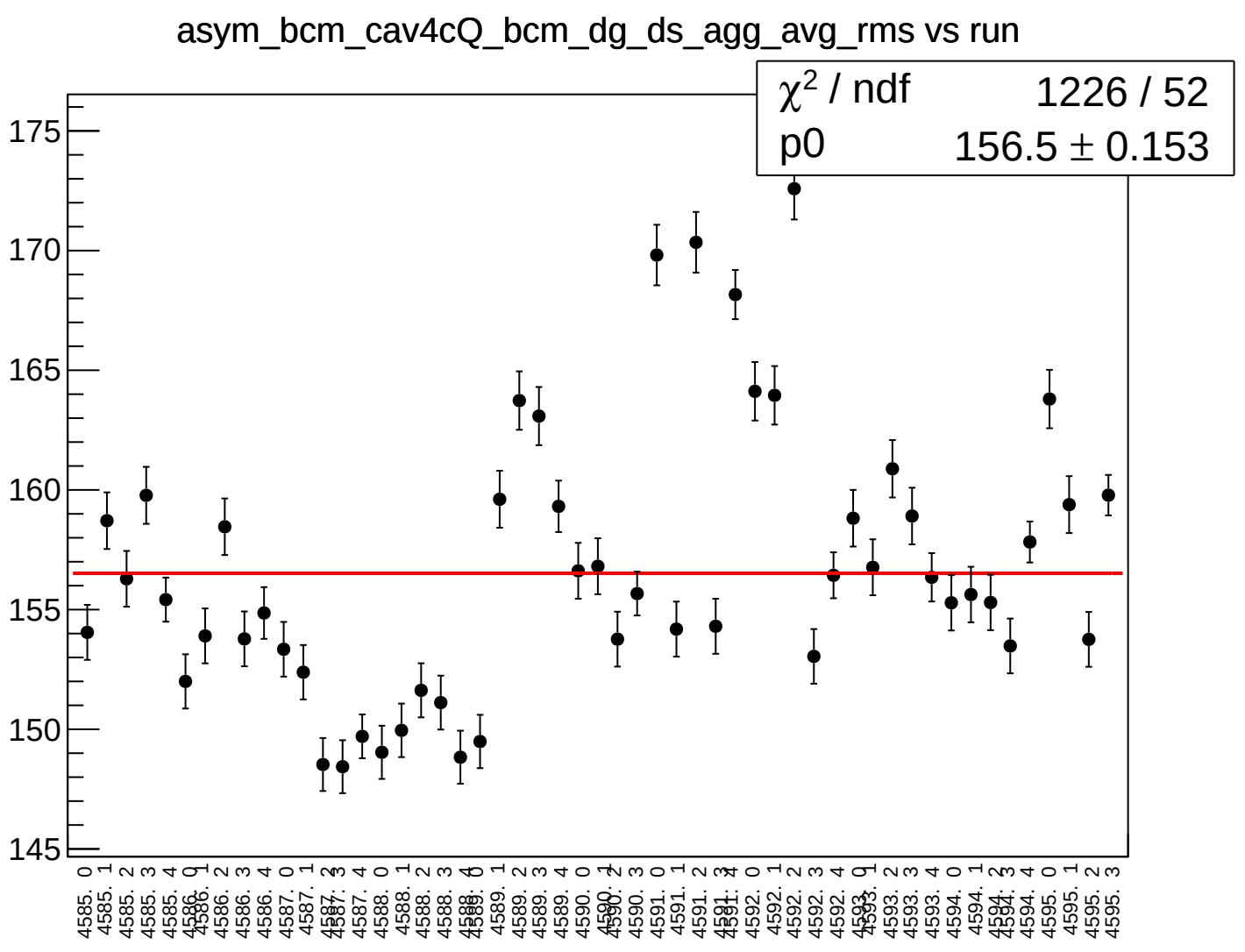
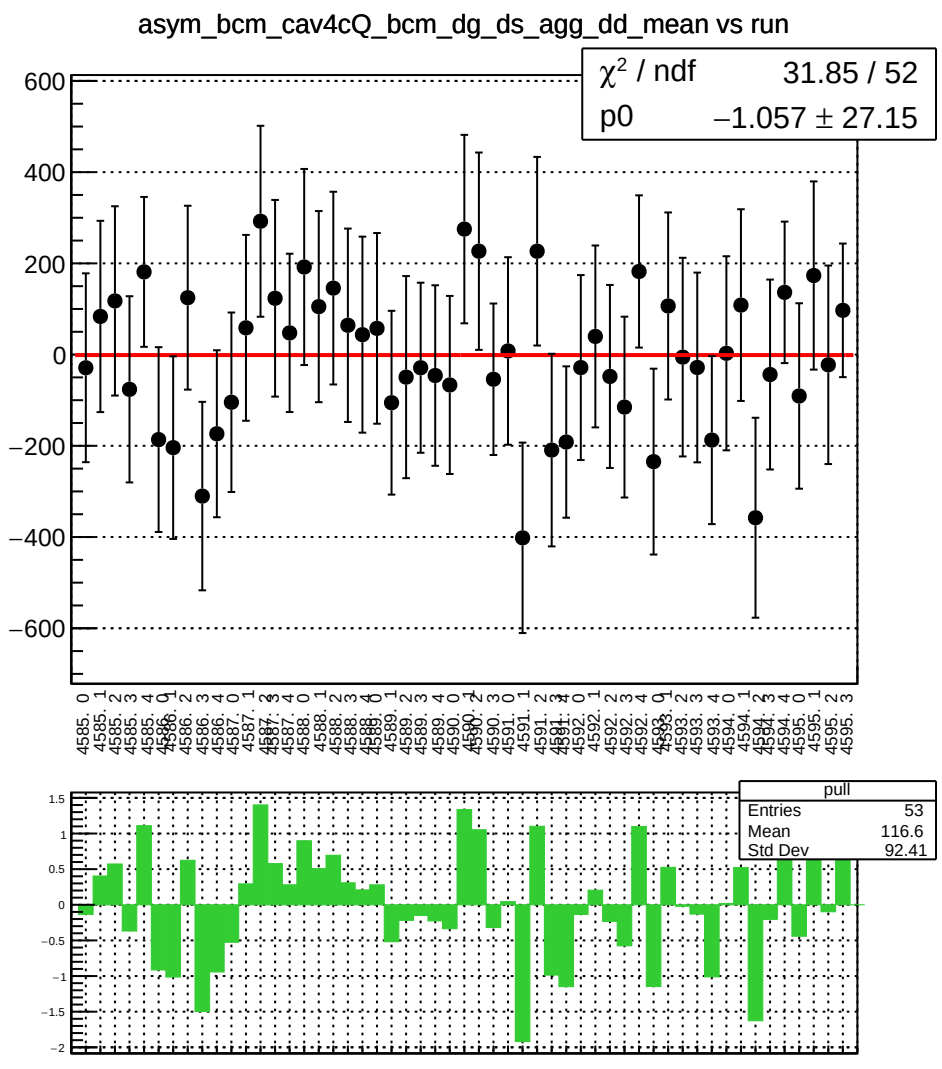
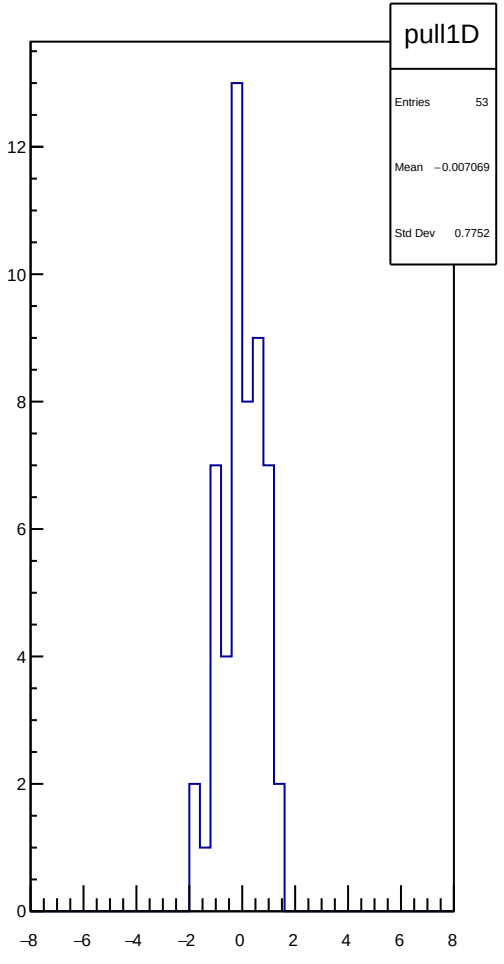
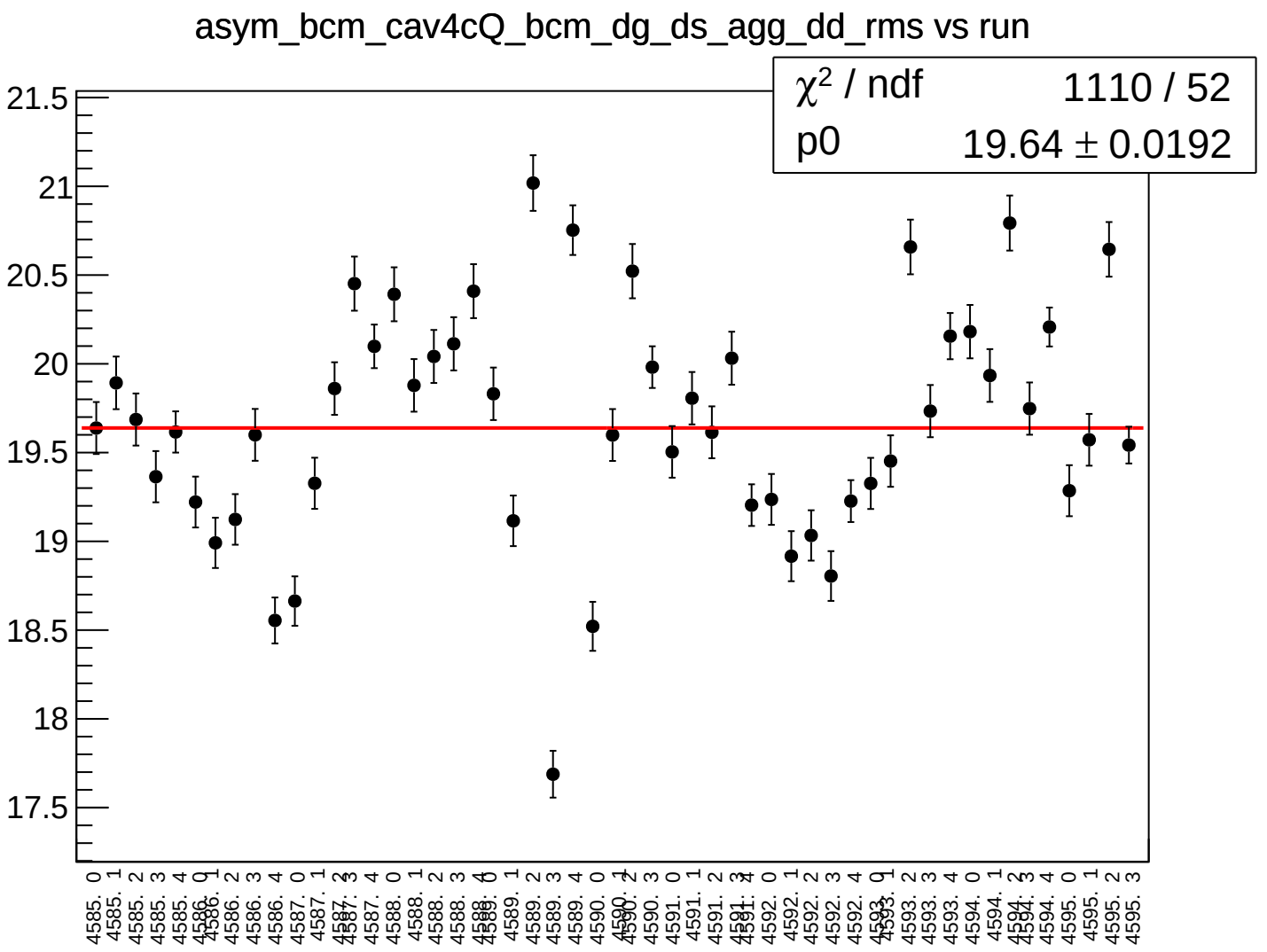
4595. 3

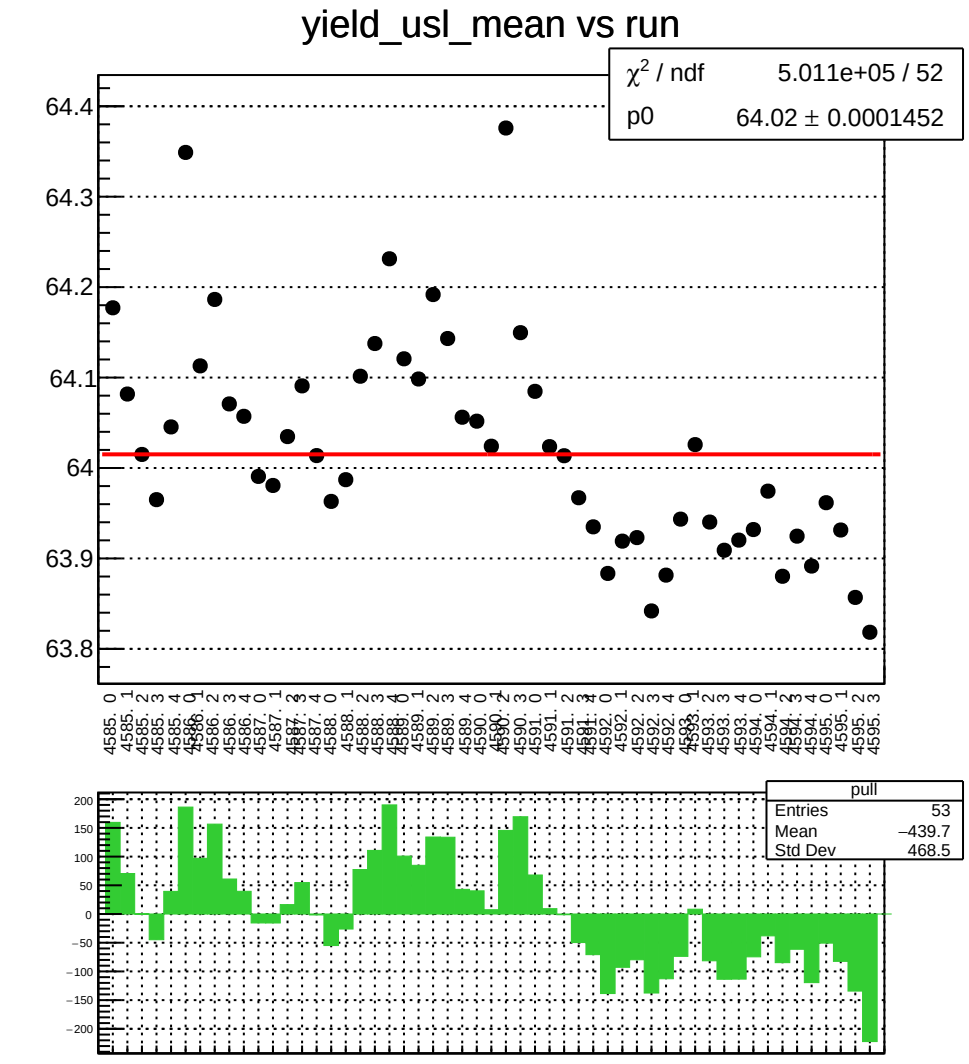

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 6.292 / 52
p0 −68.25 ± 216.4
pull
Entries 53
Mean −108.9
Std Dev 160.8
pull1D
Entries 53
Mean 0.002583
Std Dev 0.3445

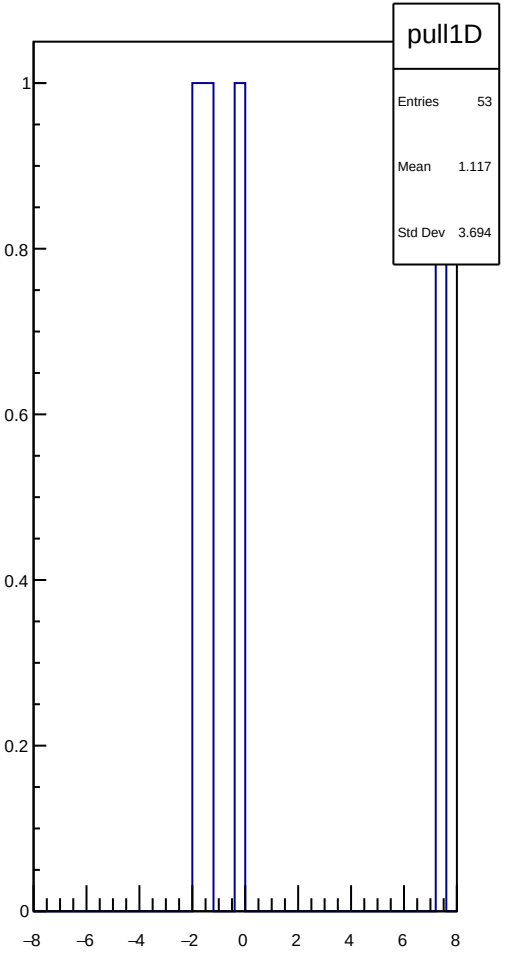

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1226 / 52
p0 156.5 ± 0.153
175
170
165
160
155
150
145
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

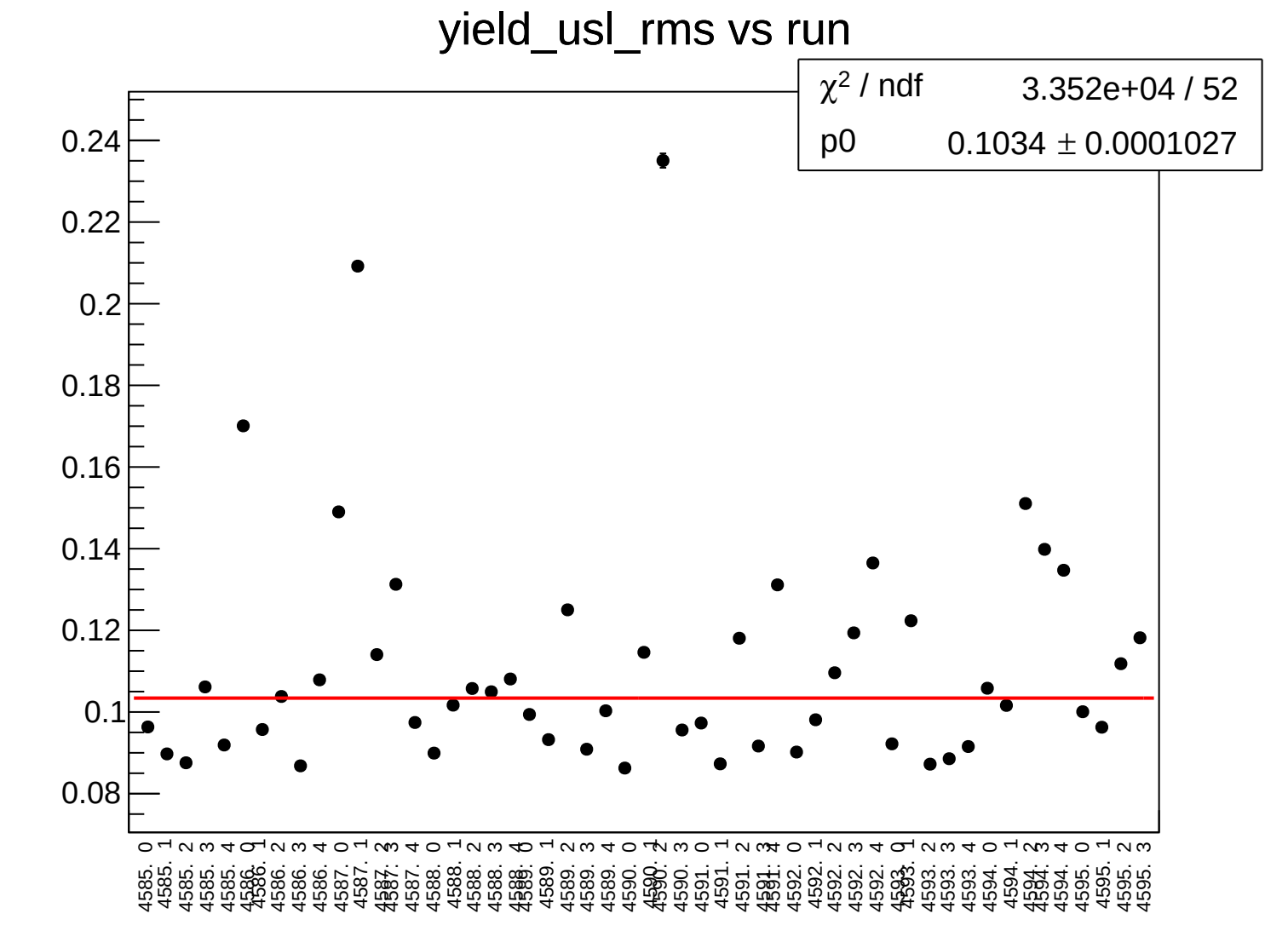

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 31.85 / 52
p0 −1.057 ± 27.15
pull
Entries 53
Mean 116.6
Std Dev 92.41

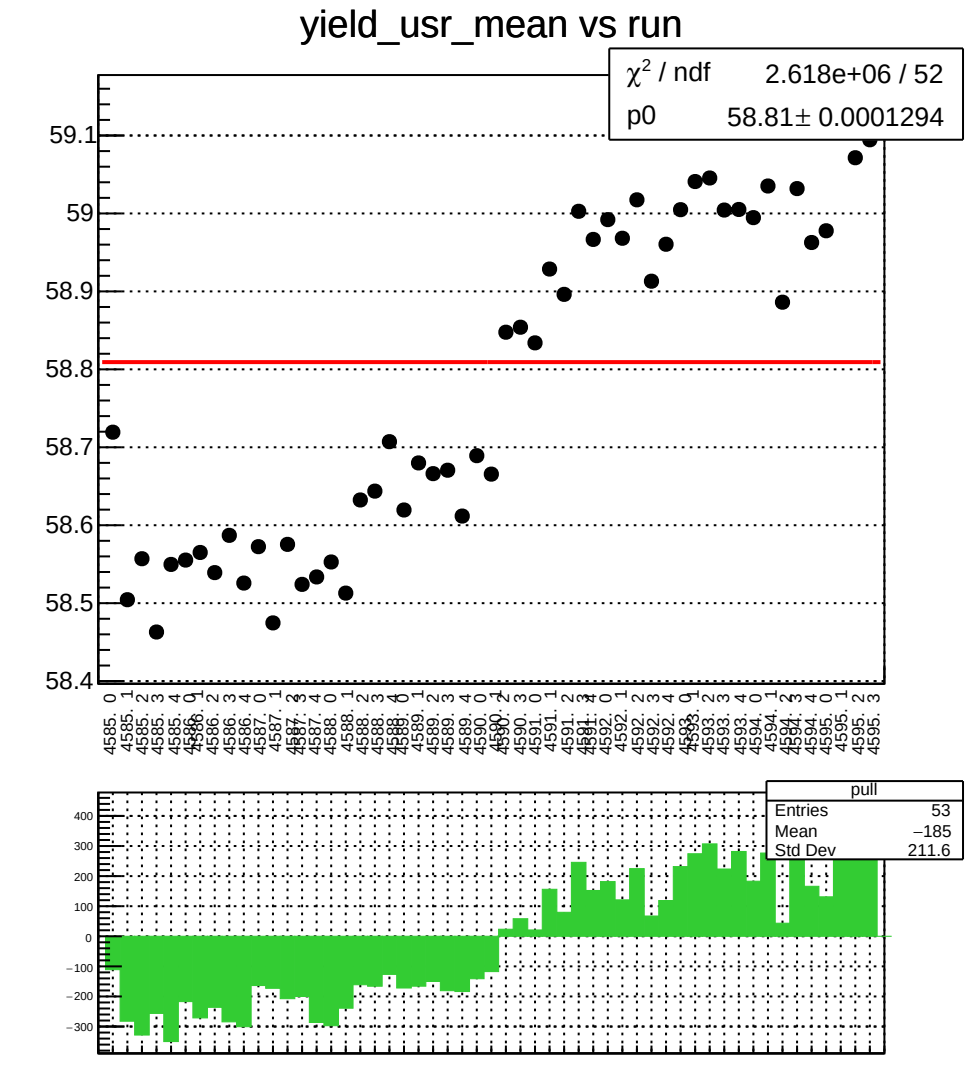

pull1D
Entries 53
Mean −0.007069
Std Dev 0.7752

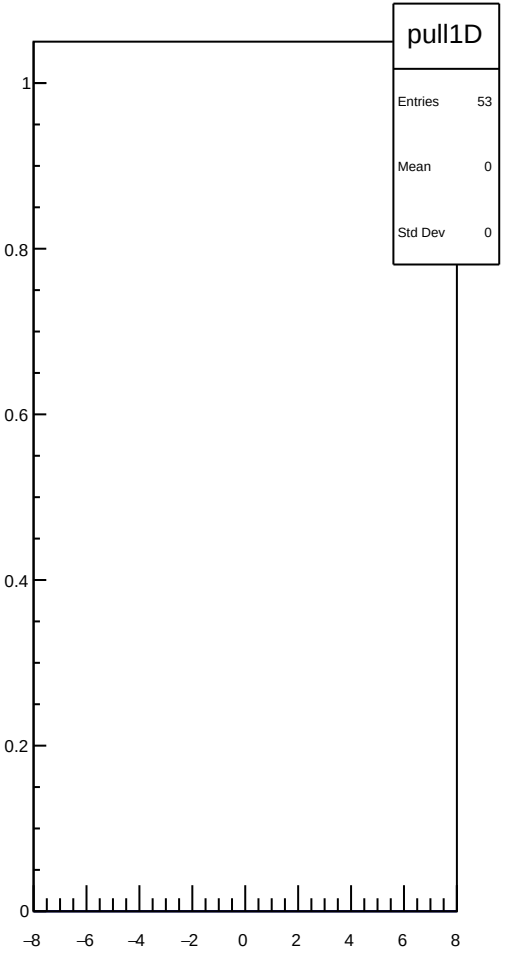

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1110 / 52
p0 19.64 ± 0.0192
21.5
21
20.5
20
19.5
19
18.5
18
17.5
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

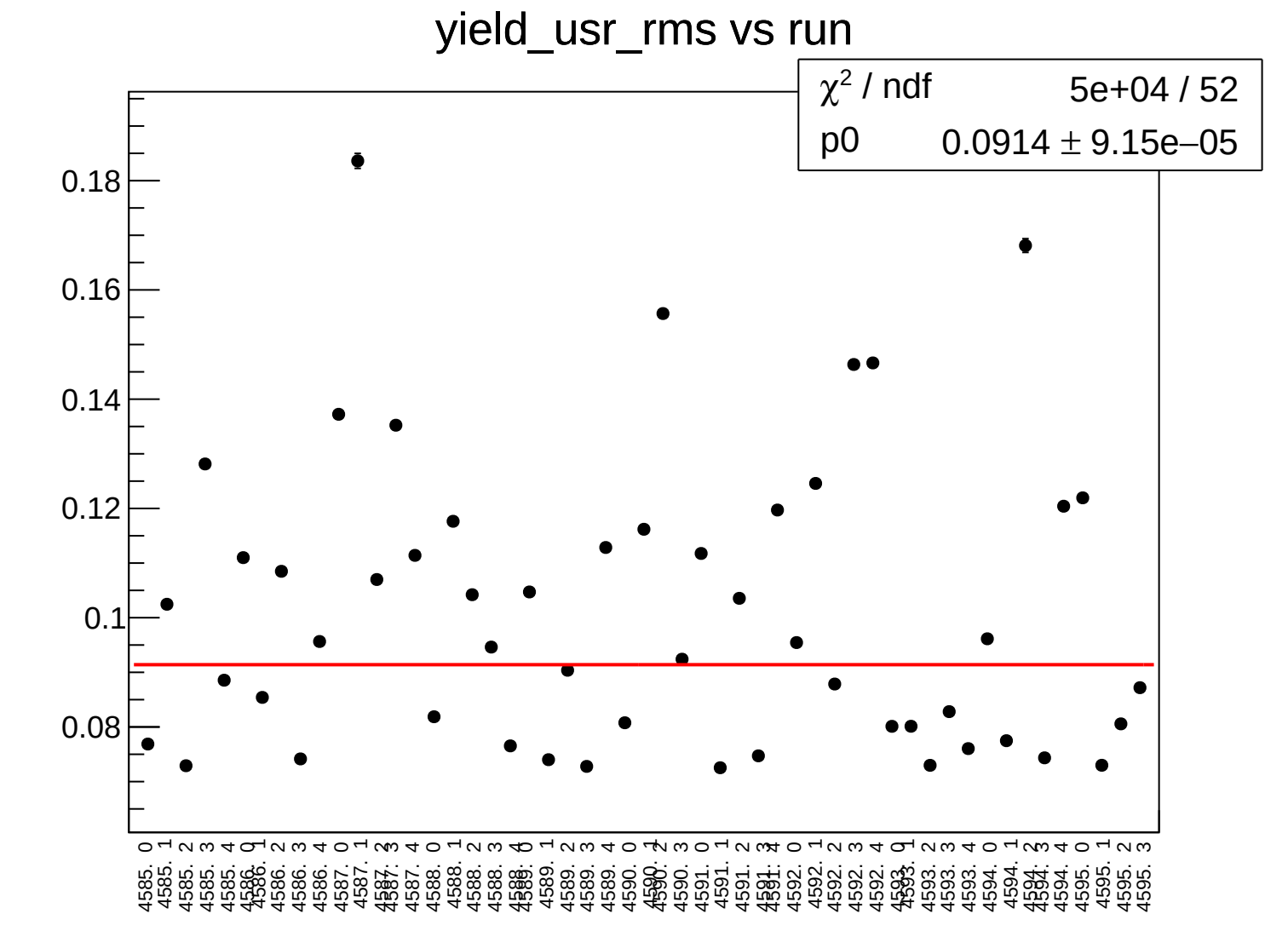

yield_usl_mean vs run
χ² / ndf 5.011e+05 / 52
p0 64.02 ± 0.0001452
64.4
64.3
64.2
64.1
64
63.9
63.8
pull
Entries 53
Mean −439.7
Std Dev 468.5
200
150
100
50
0
−50
−100
−150
−200

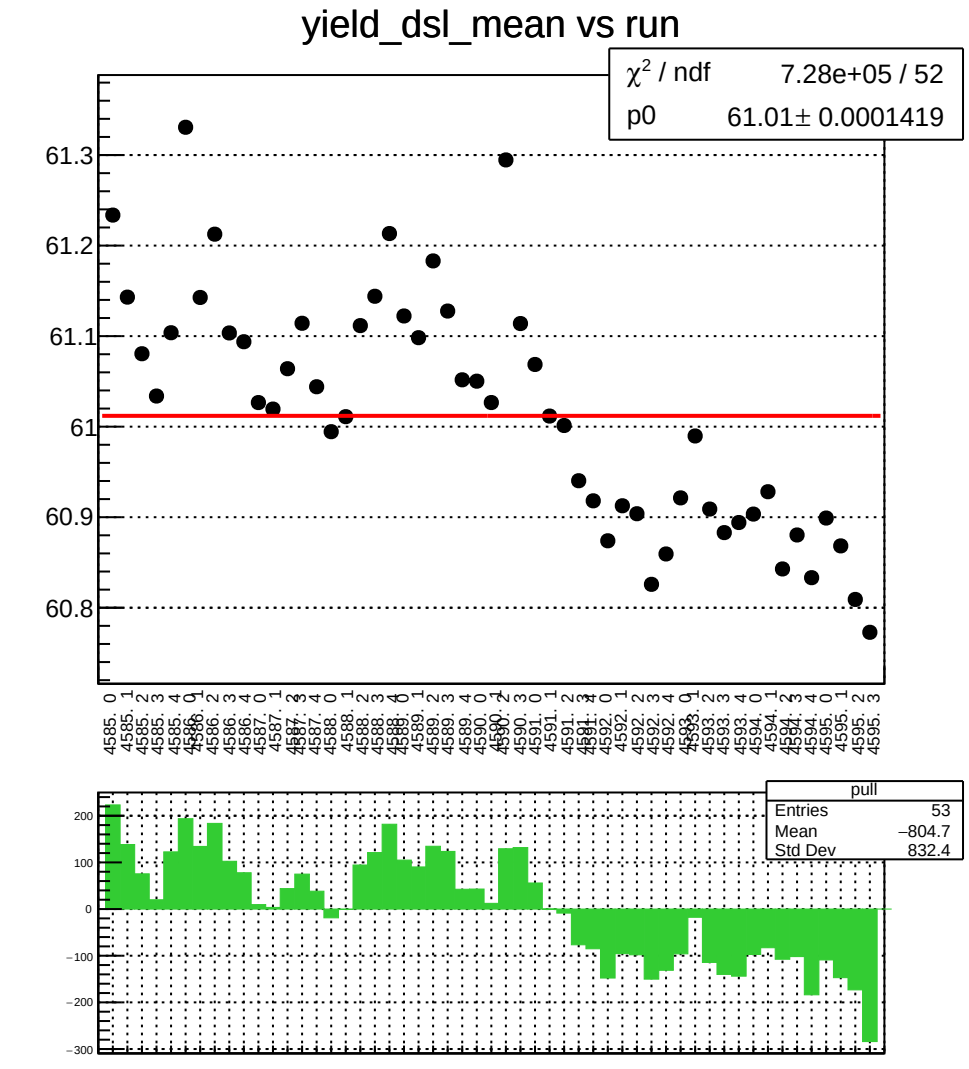

pull1D
Entries 53
Mean 1.117
Std Dev 3.694
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

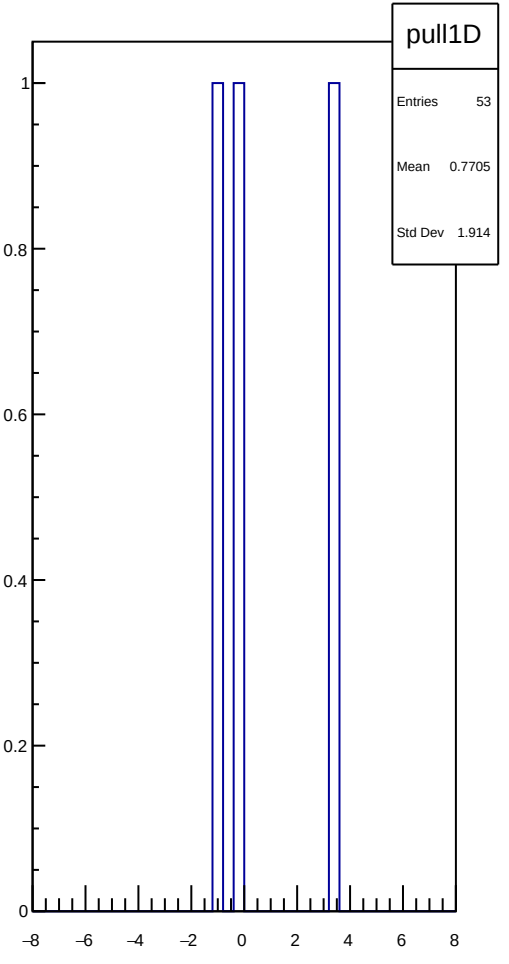

yield_usl_rms vs run
χ² / ndf 3.352e+04 / 52
p0 0.1034 ± 0.0001027
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

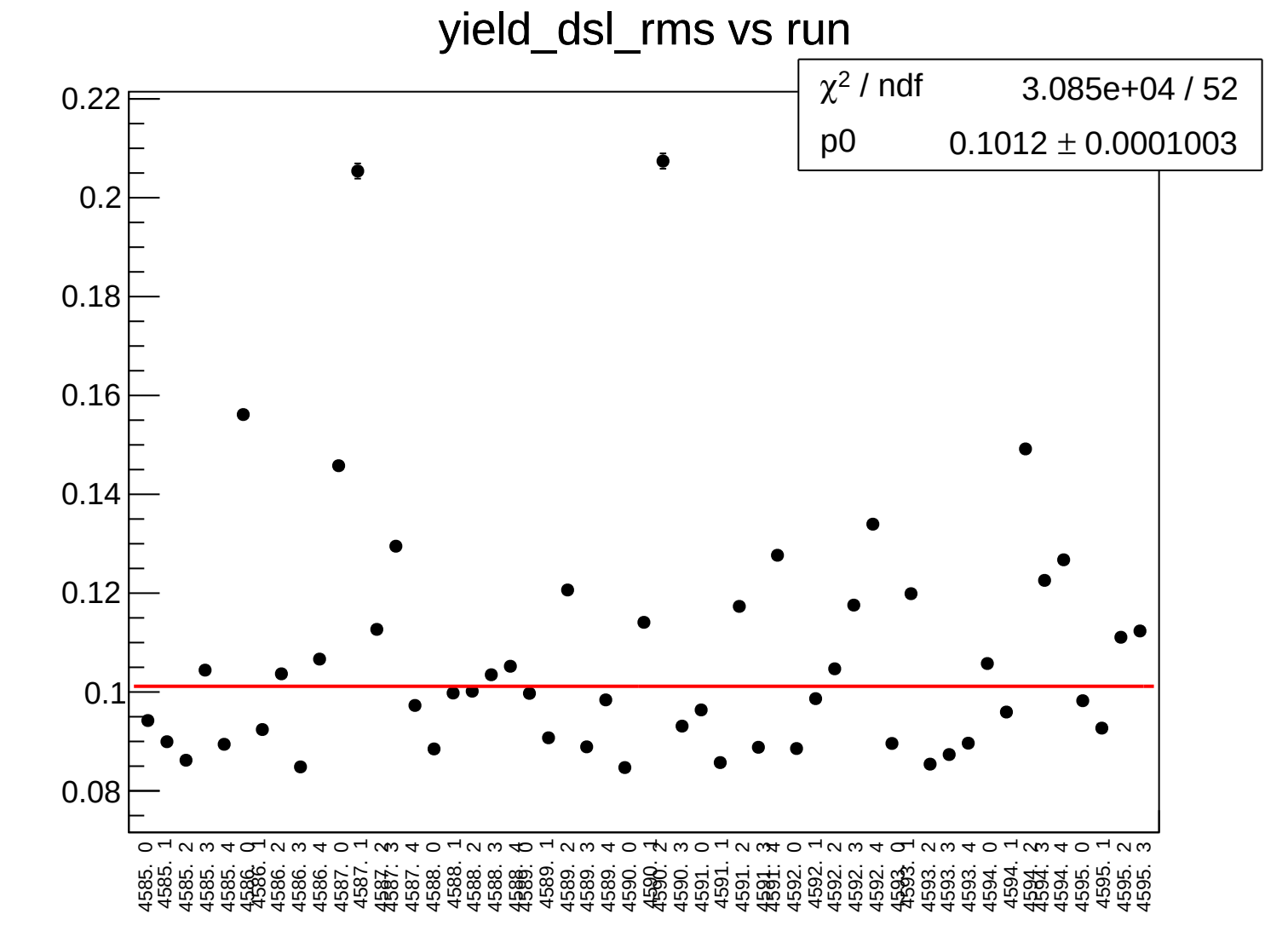

yield_usr_mean vs run
χ² / ndf 2.618e+06 / 52
p0 58.81± 0.0001294
59.1
59
58.9
58.8
58.7
58.6
58.5
58.4
pull
Entries 53
Mean −185
Std Dev 211.6
400
300
200
100
0
−100
−200
−300

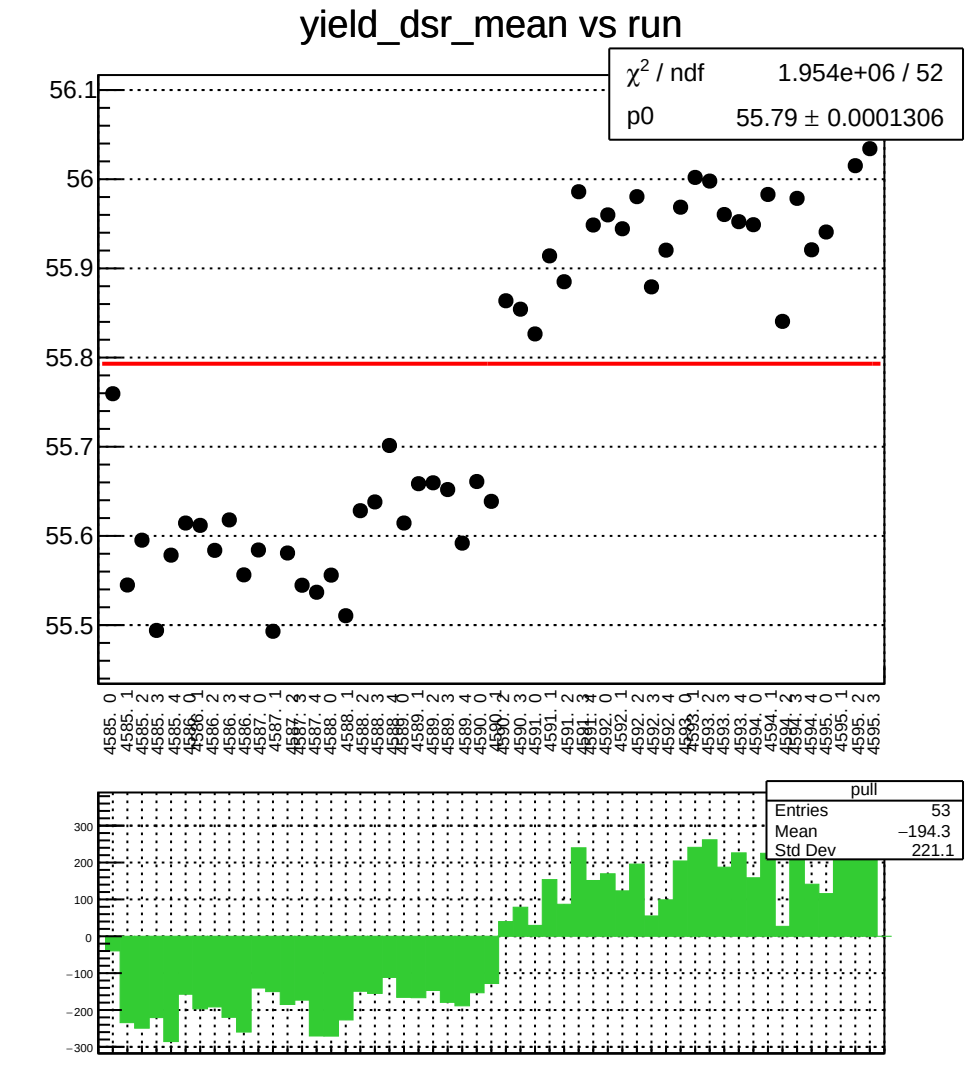

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

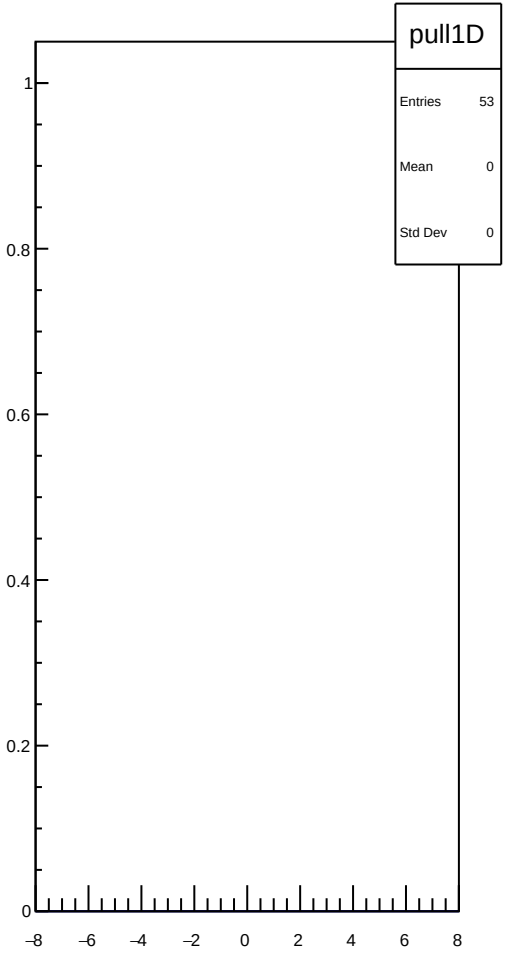

yield_usr_rms vs run
χ² / ndf 5e+04 / 52
p0 0.0914 ± 9.15e−05
0.18
0.16
0.14
0.12
0.1
0.08

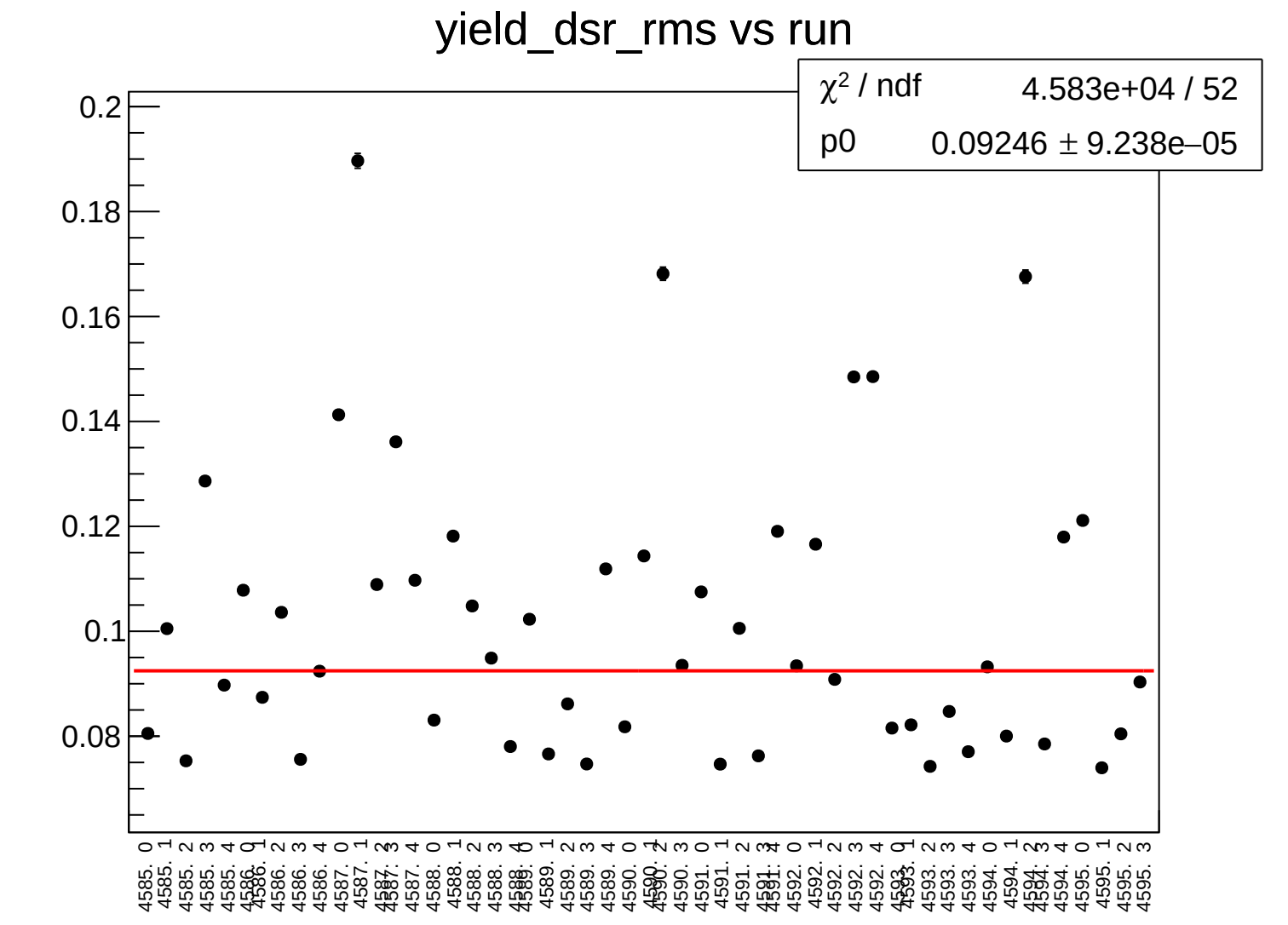

yield_dsl_mean vs run
χ² / ndf 7.28e+05 / 52
p0 61.01± 0.0001419
61.3
61.2
61.1
61
60.9
60.8
pull
Entries 53
Mean −804.7
Std Dev 832.4
200
100
0
−100
−200
−300

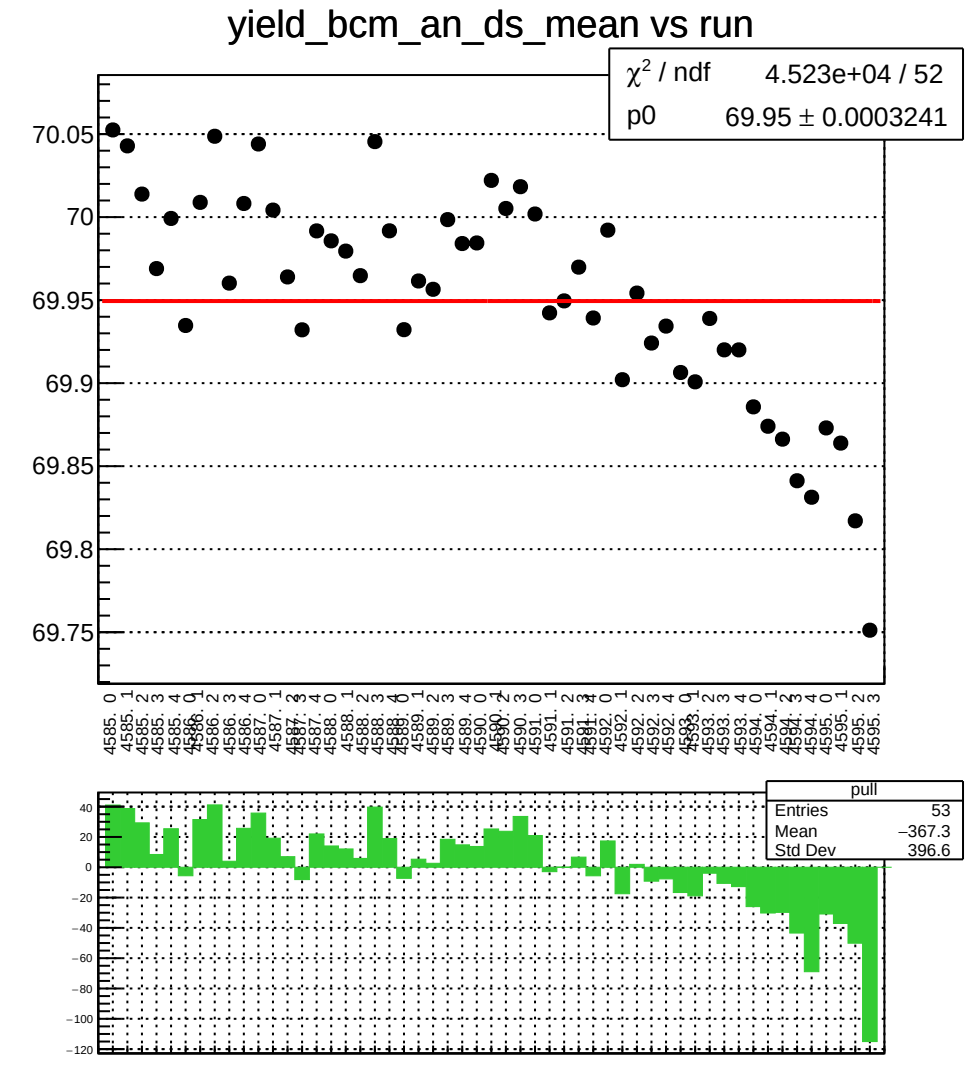

pull1D
Entries 53
Mean 0.7705
Std Dev 1.914
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

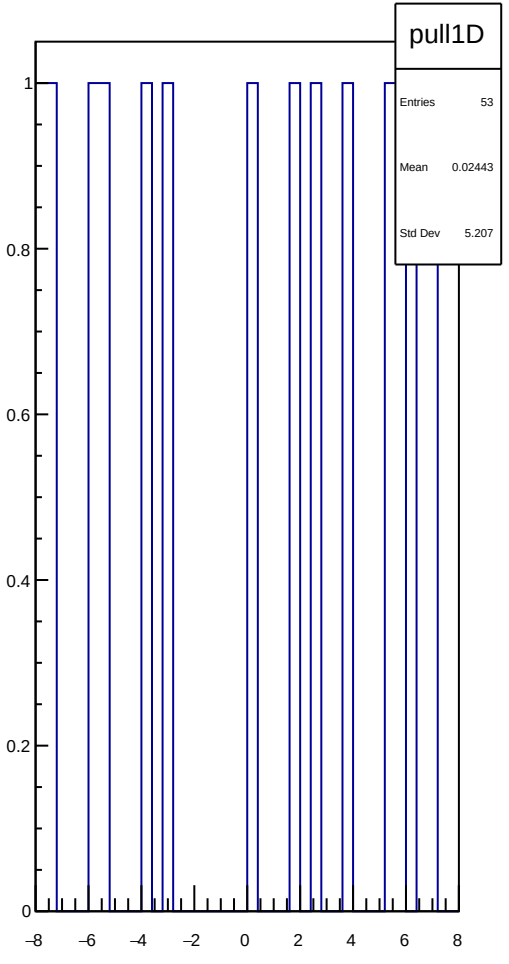

yield_dsl_rms vs run
χ² / ndf 3.085e+04 / 52
p0 0.1012 ± 0.0001003
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08

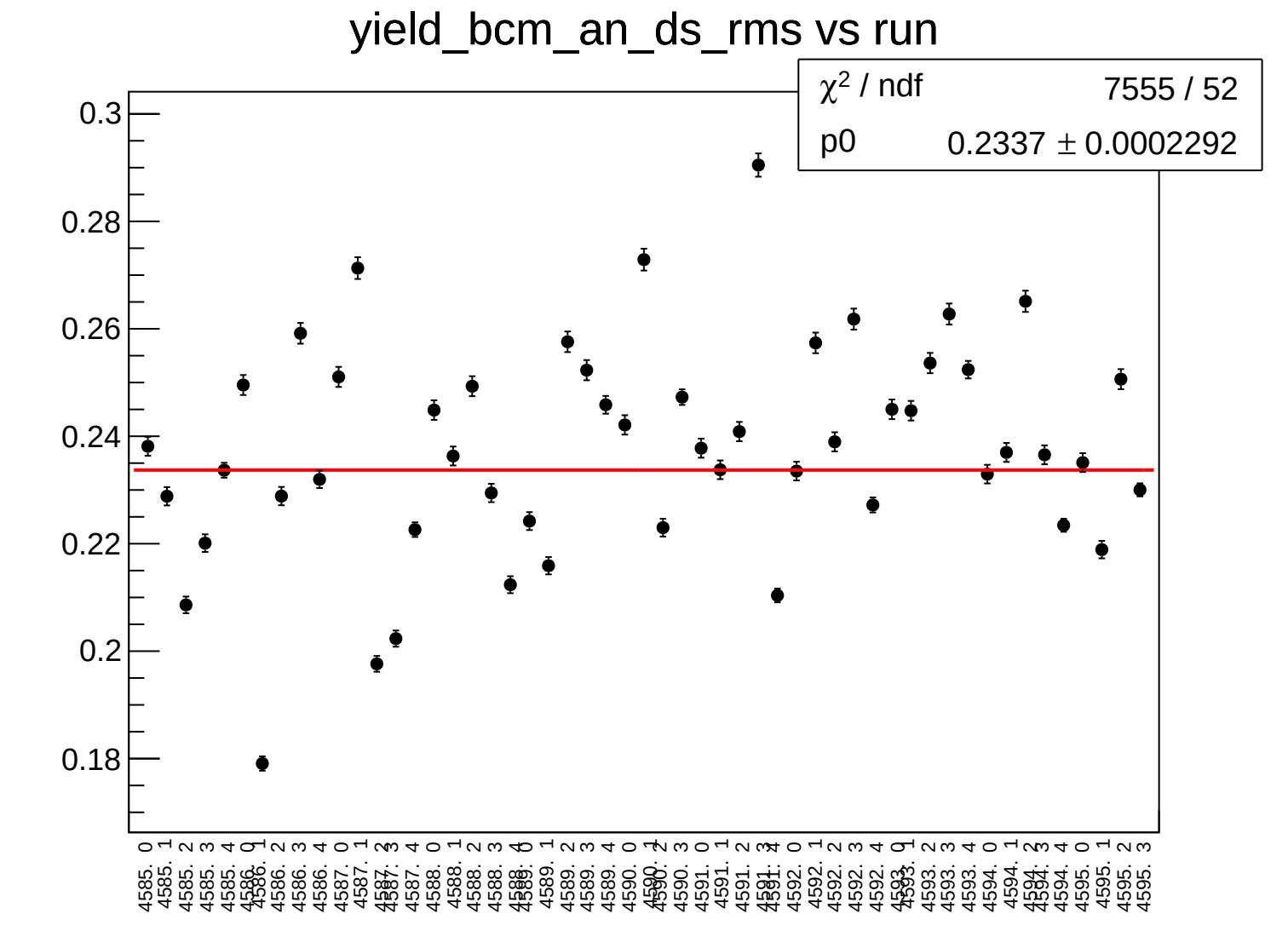

yield_dsr_mean vs run
χ² / ndf 1.954e+06 / 52
p0 55.79 ± 0.0001306
56.1
56
55.9
55.8
55.7
55.6
55.5
pull
Entries 53
Mean −194.3
Std Dev 221.1
300
200
100
0
−100
−200
−300

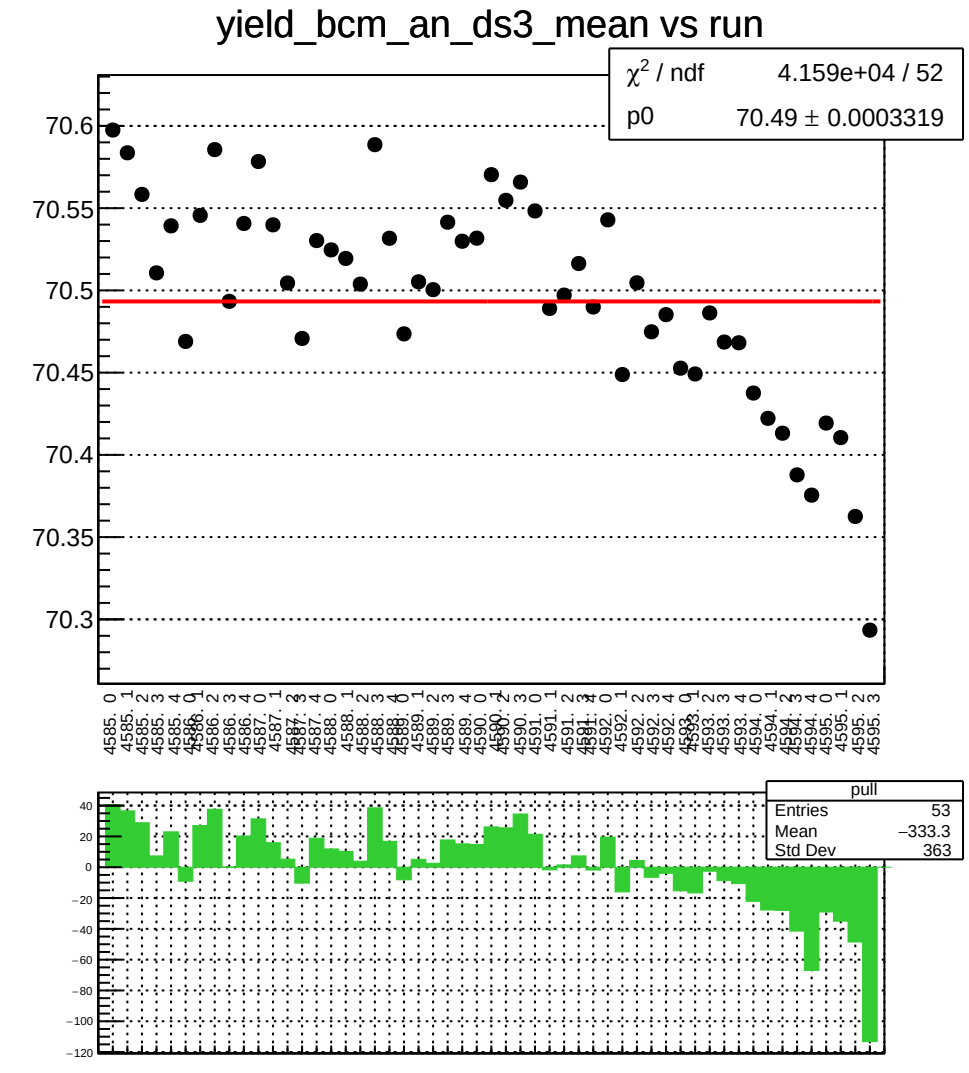

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

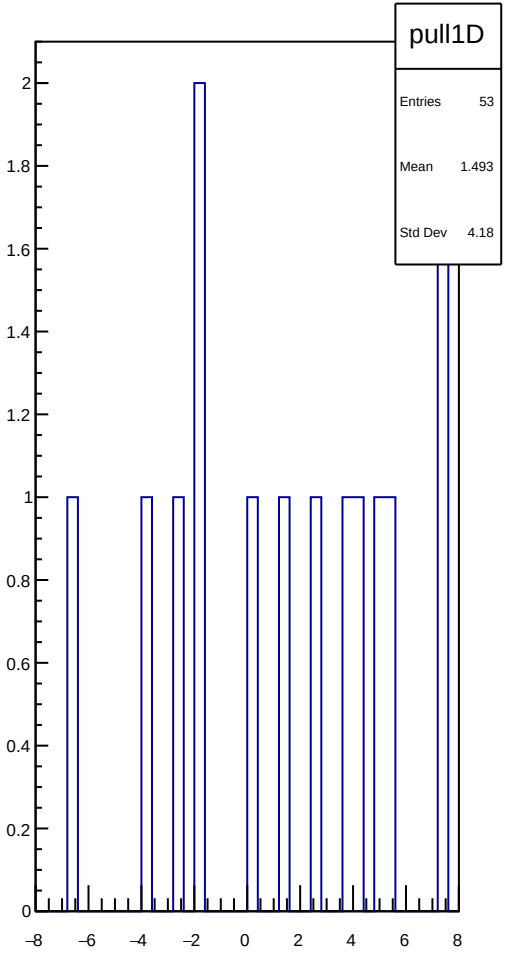

yield_dsr_rms vs run
χ² / ndf 4.583e+04 / 52
p0 0.09246 ± 9.238e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08

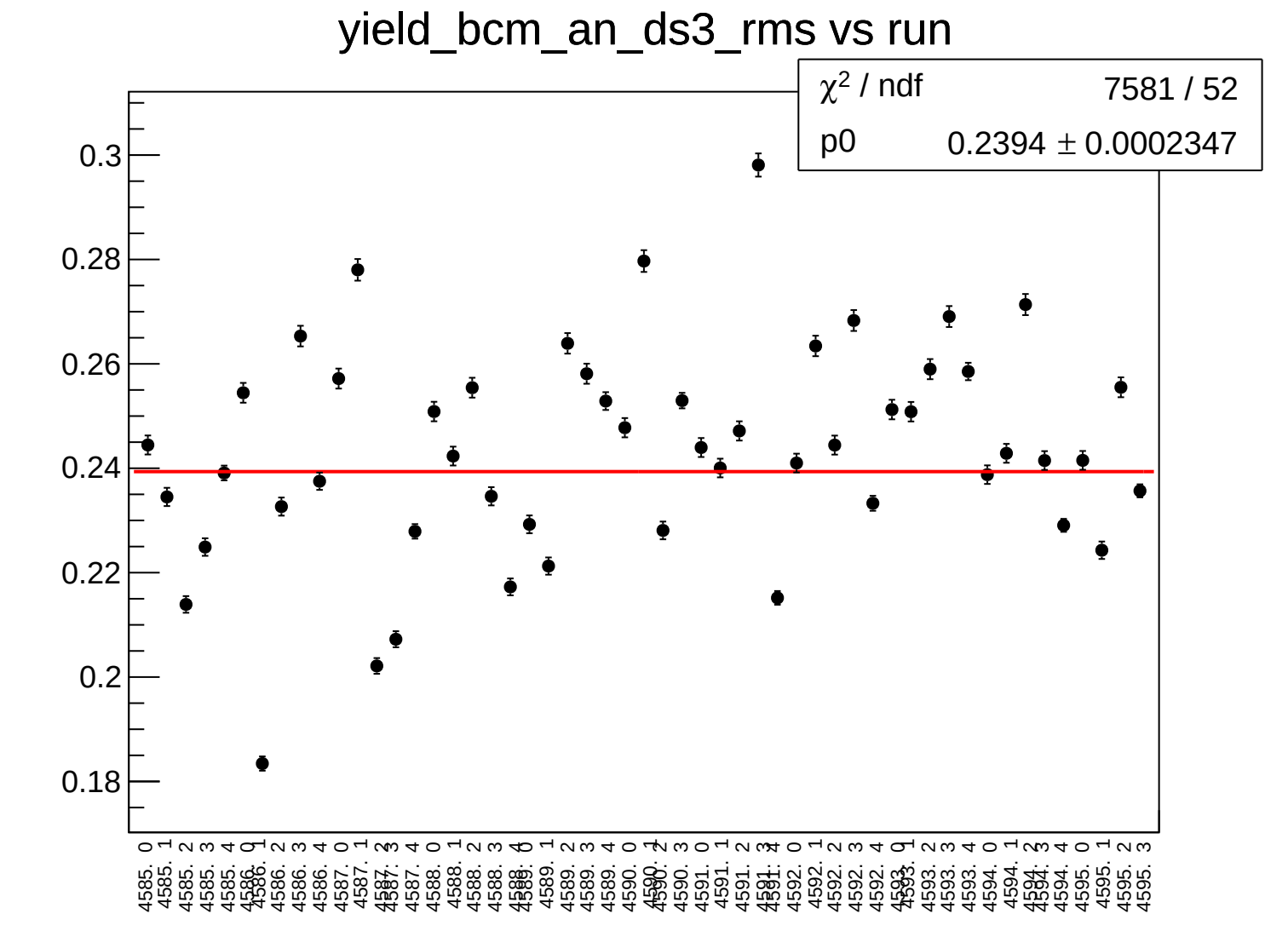

yield_bcm_an_ds_mean vs run
χ² / ndf 4.523e+04 / 52
p0 69.95 ± 0.0003241
70.05
70
69.95
69.9
69.85
69.8
69.75
pull
Entries 53
Mean −367.3
Std Dev 396.6
40
20
0
−20
−40
−60
−80
−100
−120

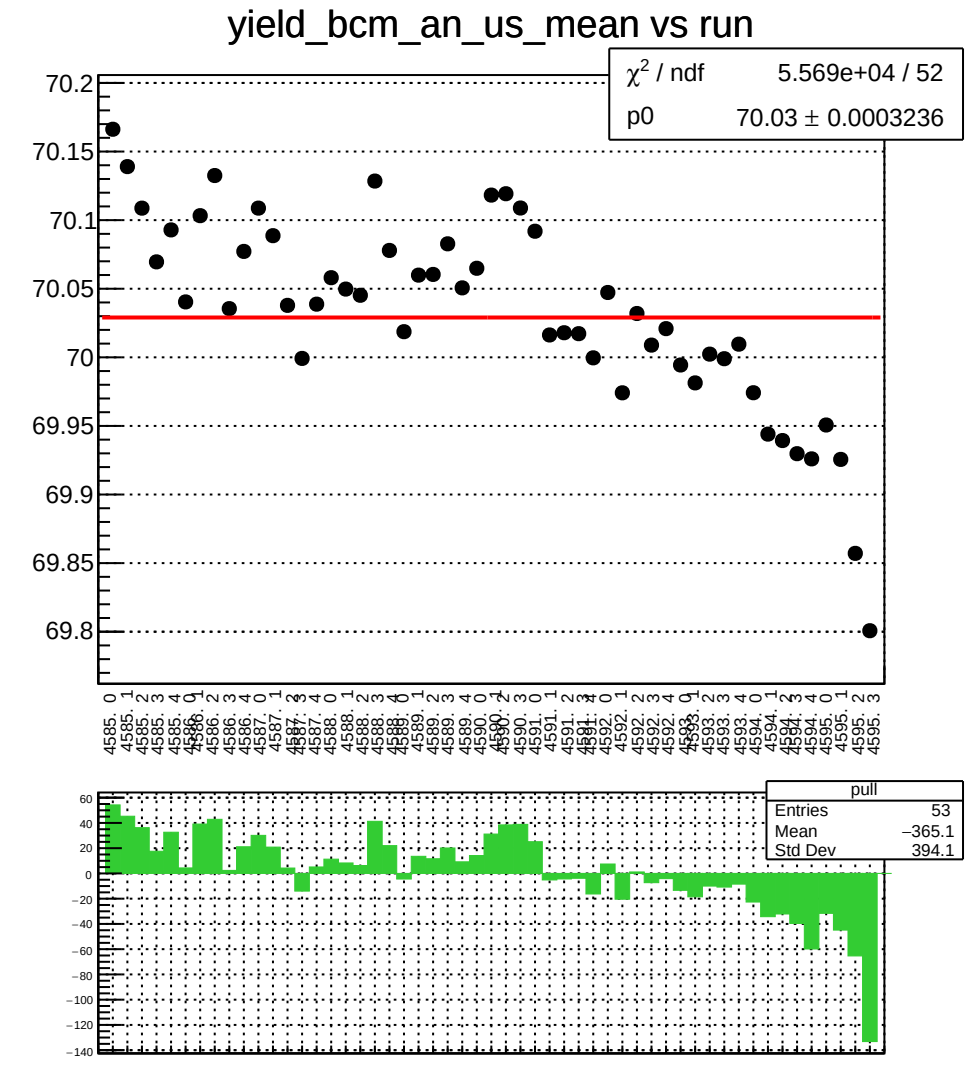

pull1D
Entries 53
Mean 0.02443
Std Dev 5.207
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

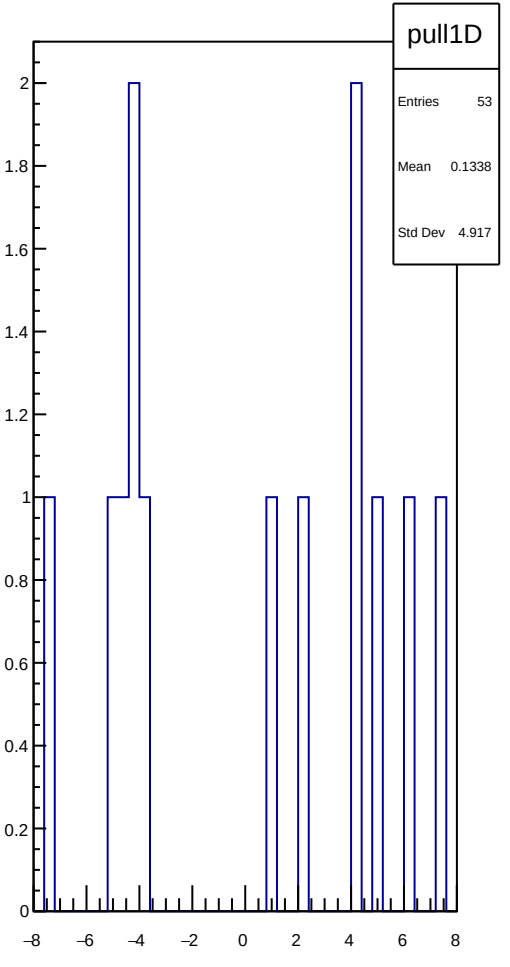

yield_bcm_an_ds_rms vs run
χ² / ndf 7555 / 52
p0 0.2337 ± 0.0002292
0.3
0.28
0.26
0.24
0.22
0.2
0.18
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

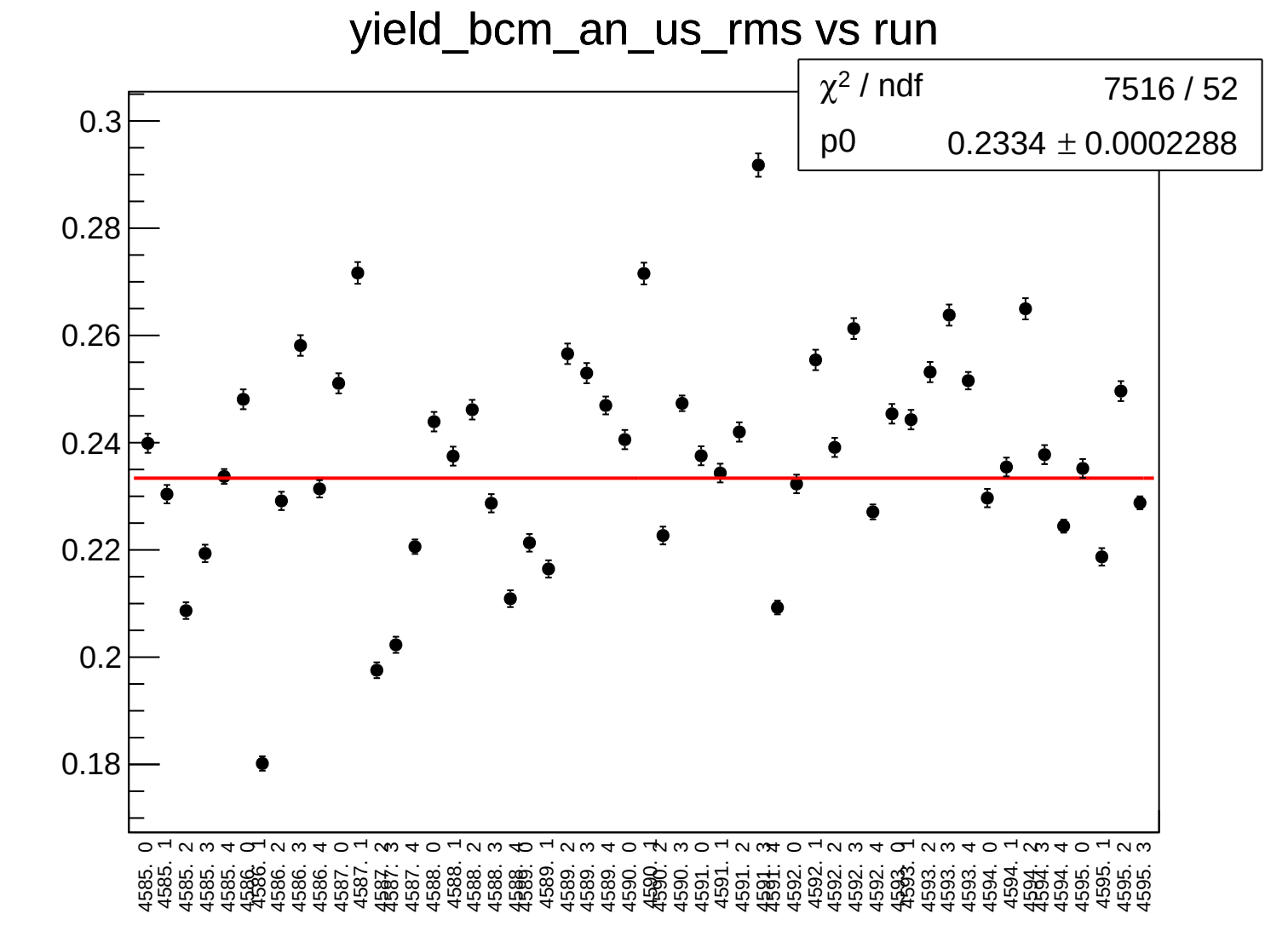

yield_bcm_an_ds3_mean vs run
χ² / ndf 4.159e+04 / 52
p0 70.49 ± 0.0003319
70.6
70.55
70.5
70.45
70.4
70.35
70.3
pull
Entries 53
Mean −333.3
Std Dev 363
40
20
0
−20
−40
−60
−80
−100
−120

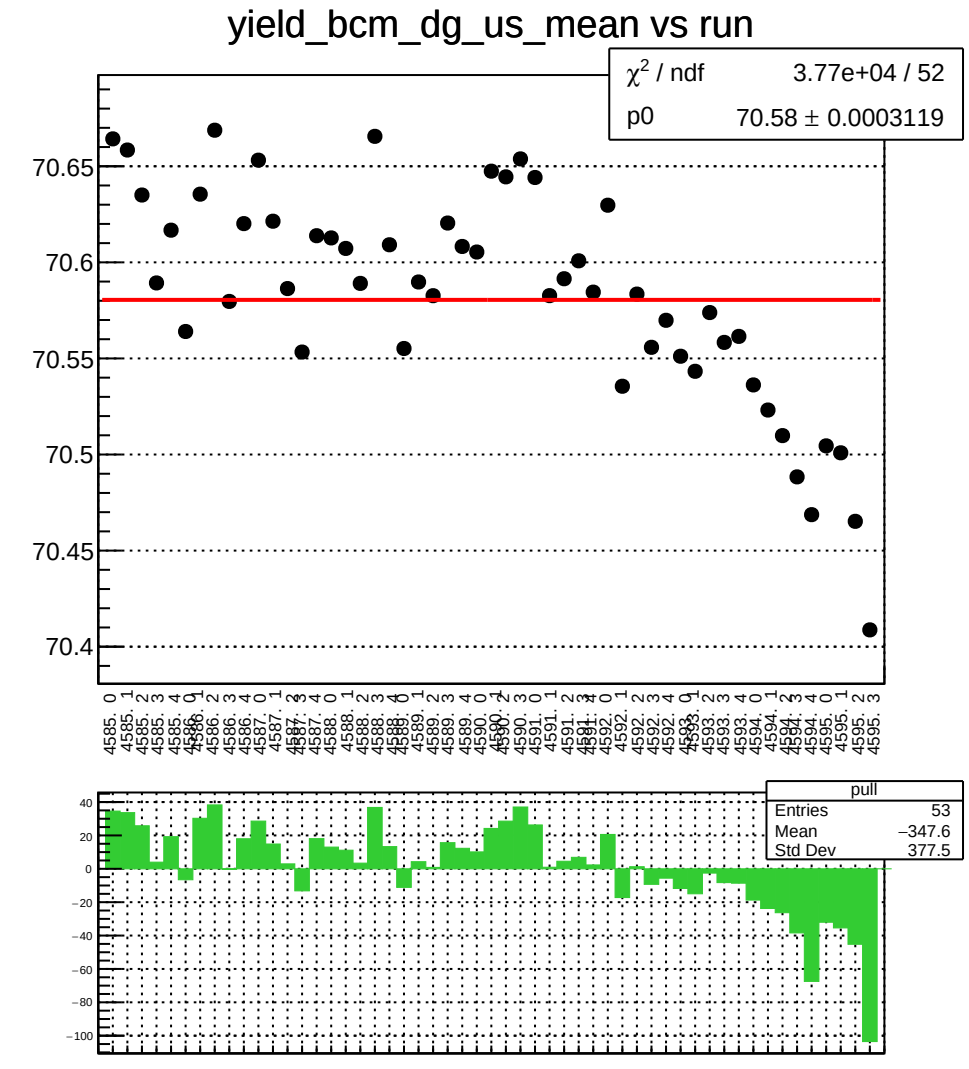

pull1D
Entries 53
Mean 1.493
Std Dev 4.18
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

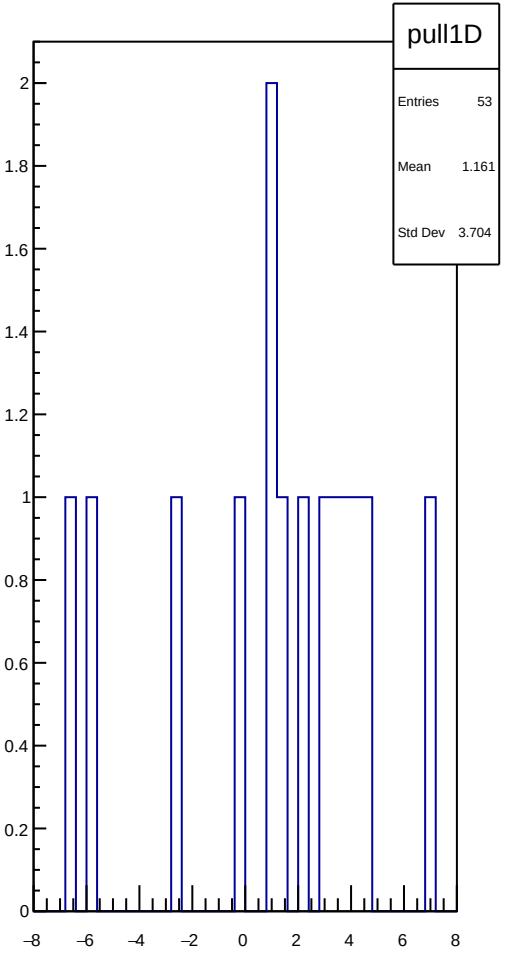

yield_bcm_an_ds3_rms vs run
χ² / ndf 7581 / 52
p0 0.2394 ± 0.0002347
0.3
0.28
0.26
0.24
0.22
0.2
0.18

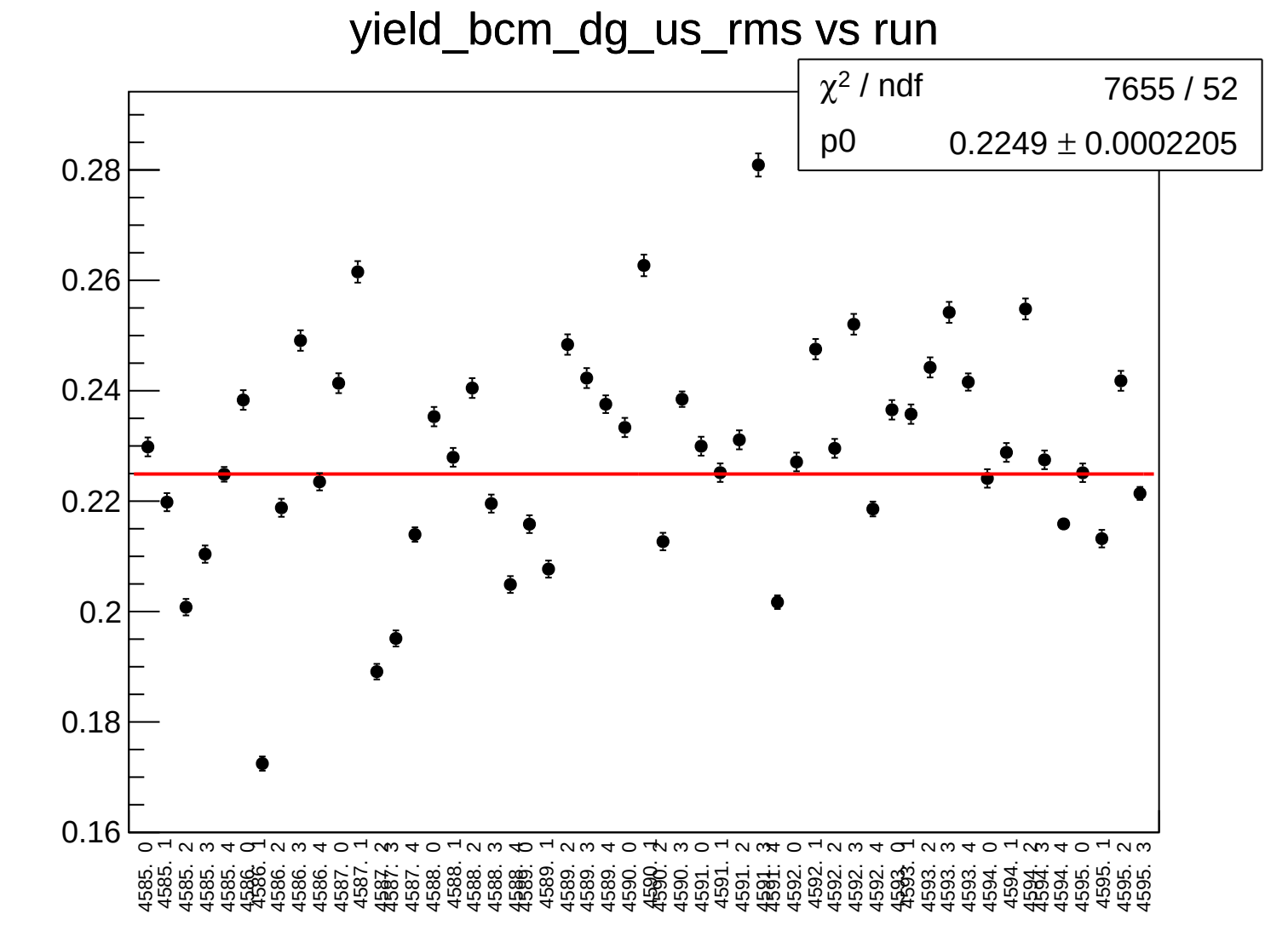

yield_bcm_an_us_mean vs run
χ² / ndf 5.569e+04 / 52
p0 70.03 ± 0.0003236
70.2
70.15
70.1
70.05
70
69.95
69.9
69.85
69.8
pull
Entries 53
Mean −365.1
Std Dev 394.1
60
40
20
0
−20
−40
−60
−80
−100
−120
−140

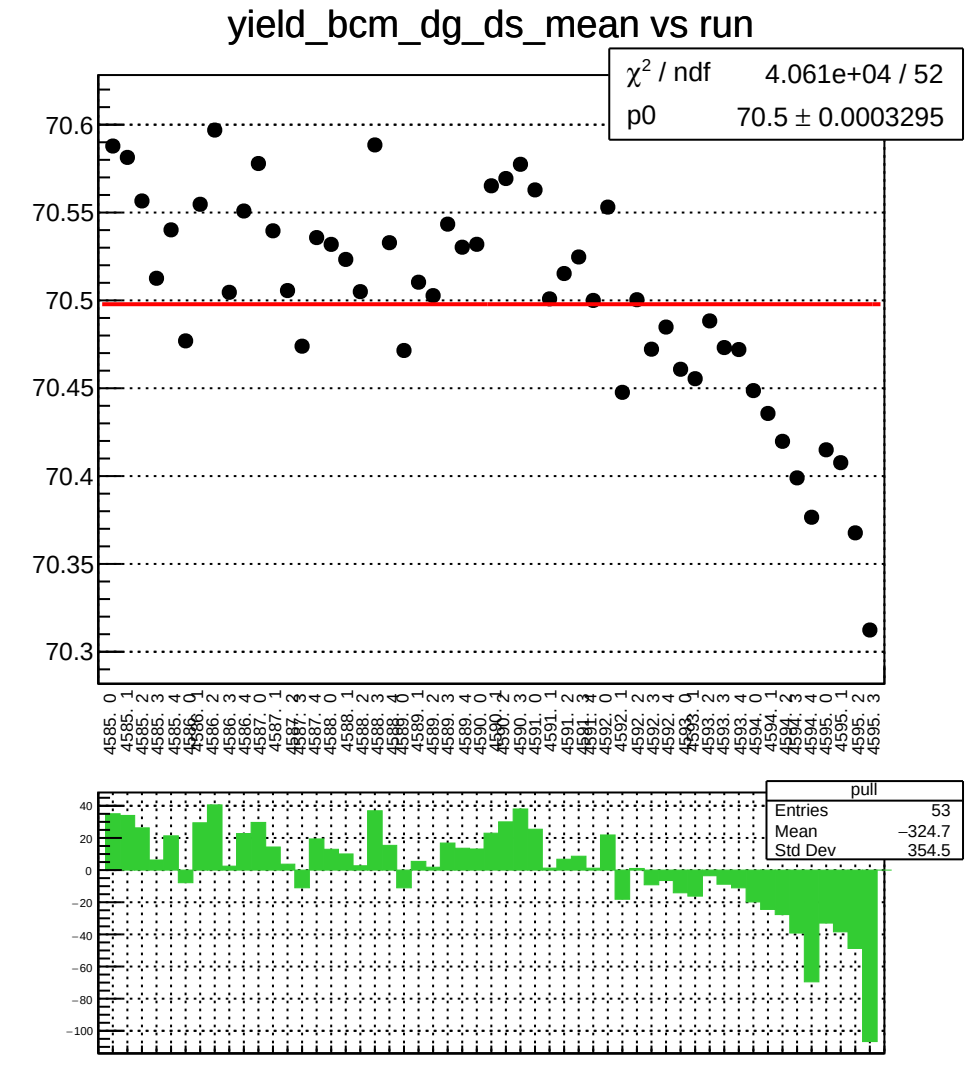

pull1D
Entries 53
Mean 0.1338
Std Dev 4.917
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

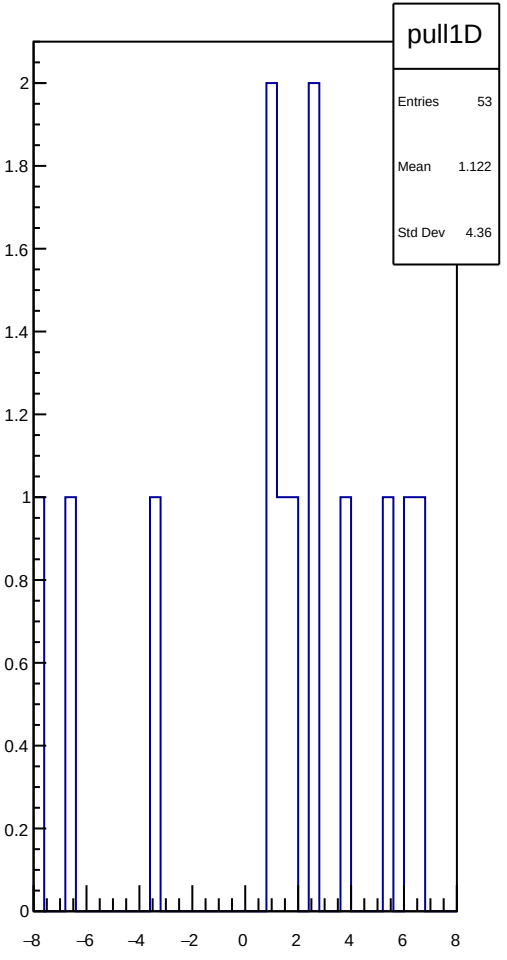

yield_bcm_an_us_rms vs run
χ² / ndf 7516 / 52
p0 0.2334 ± 0.0002288
0.3
0.28
0.26
0.24
0.22
0.2
0.18
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

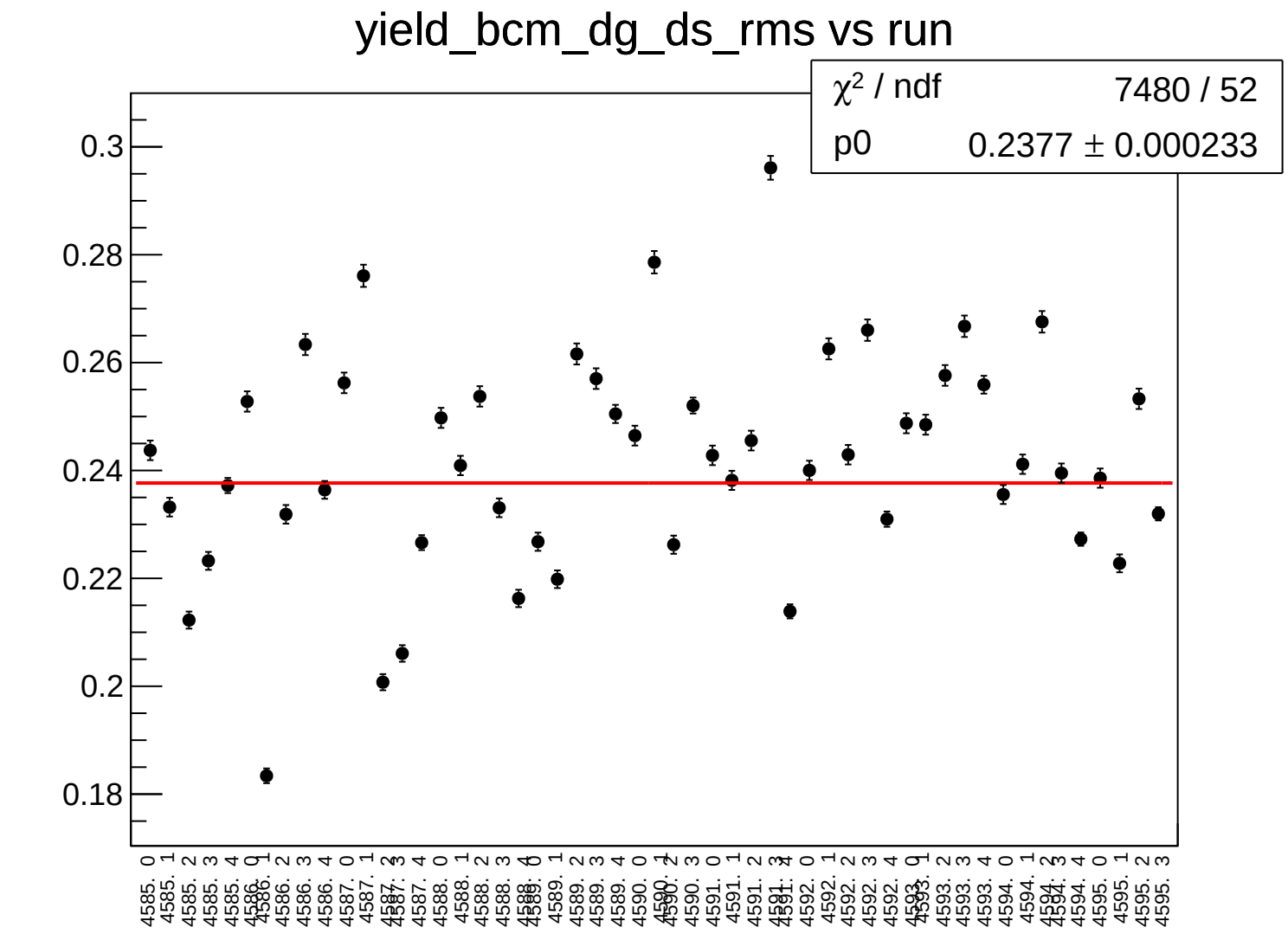

yield_bcm_dg_us_mean vs run
χ² / ndf 3.77e+04 / 52
p0 70.58 ± 0.0003119
70.65
70.6
70.55
70.5
70.45
70.4
pull
Entries 53
Mean −347.6
Std Dev 377.5
40
20
0
−20
−40
−60
−80
−100

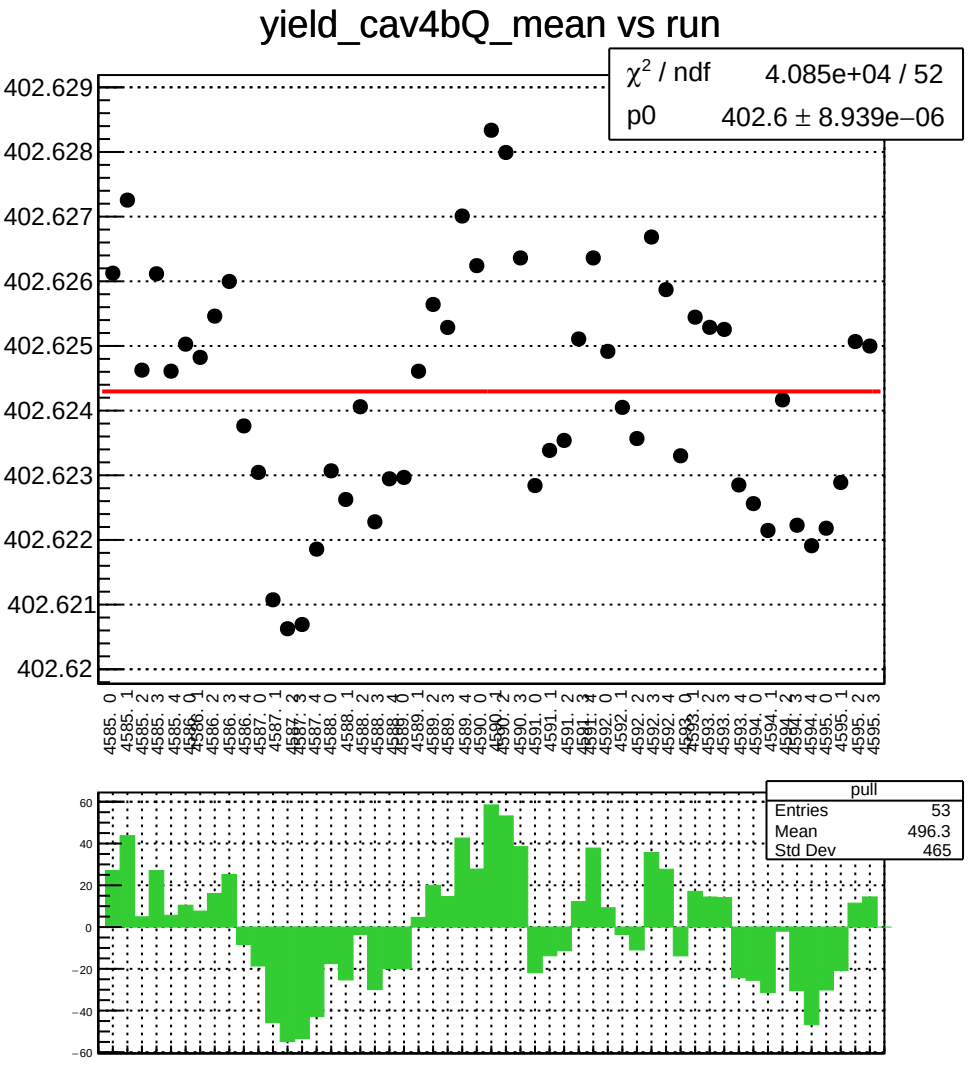

pull1D
Entries 53
Mean 1.161
Std Dev 3.704
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

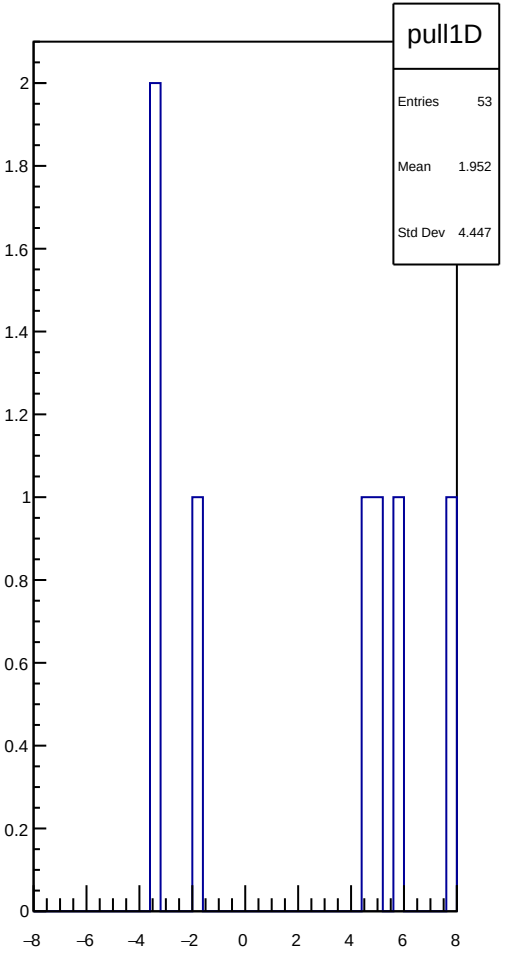

yield_bcm_dg_us_rms vs run
χ² / ndf 7655 / 52
p0 0.2249 ± 0.0002205
0.28
0.26
0.24
0.22
0.2
0.18
0.16

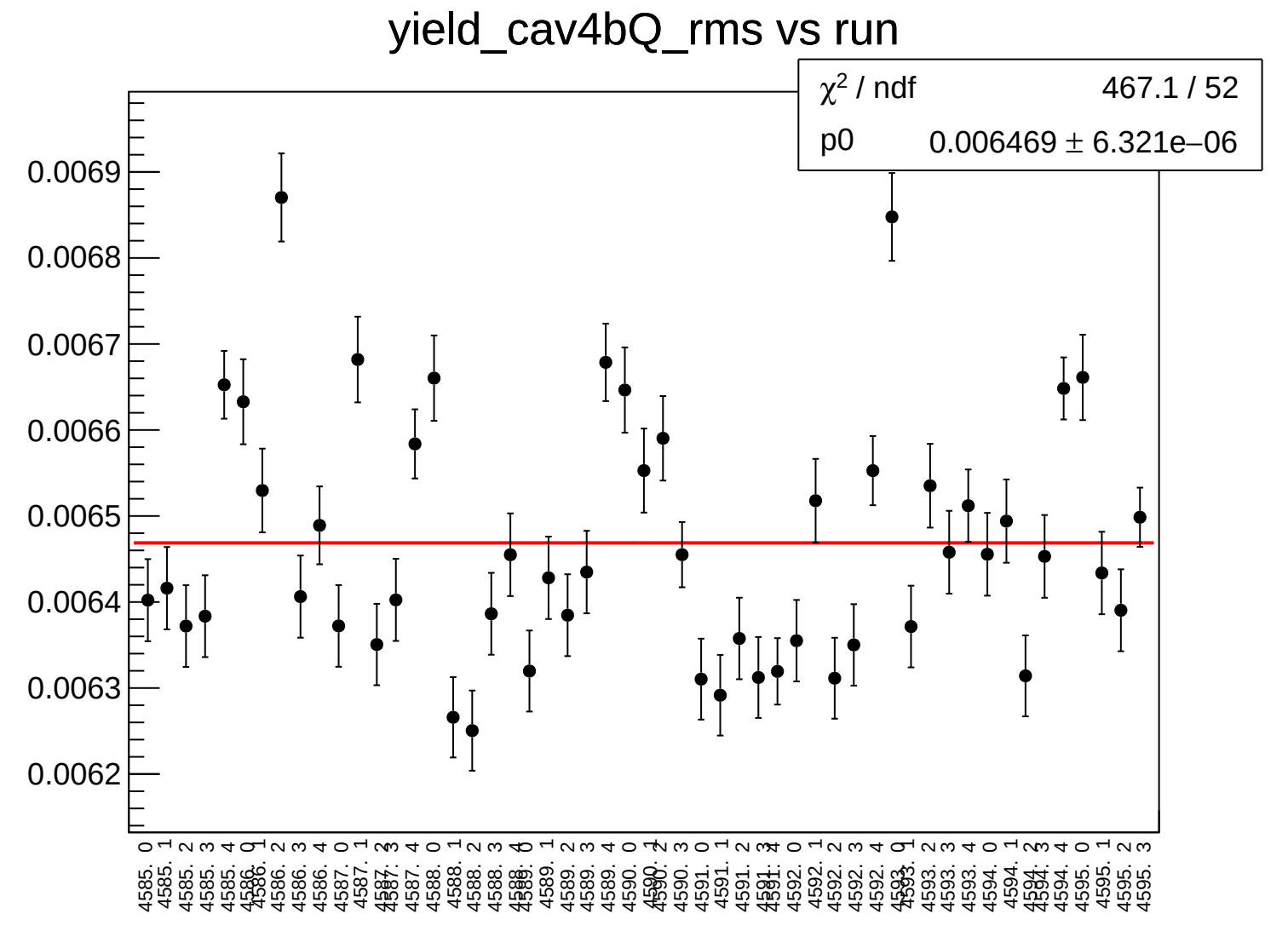

yield_bcm_dg_ds_mean vs run
χ² / ndf 4.061e+04 / 52
p0 70.5 ± 0.0003295
70.6
70.55
70.5
70.45
70.4
70.35
70.3
pull
Entries 53
Mean −324.7
Std Dev 354.5
40
20
0
−20
−40
−60
−80
−100

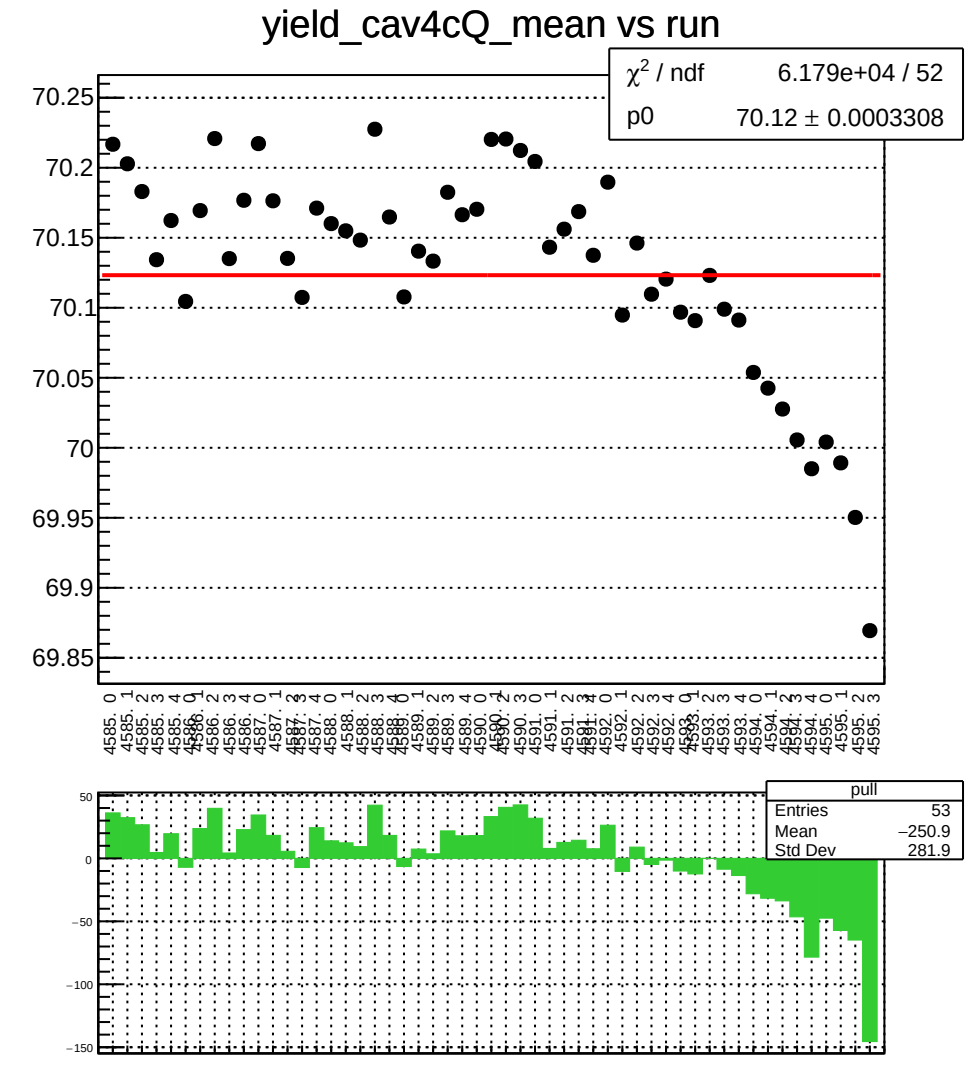

pull1D
Entries 53
Mean 1.122
Std Dev 4.36
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

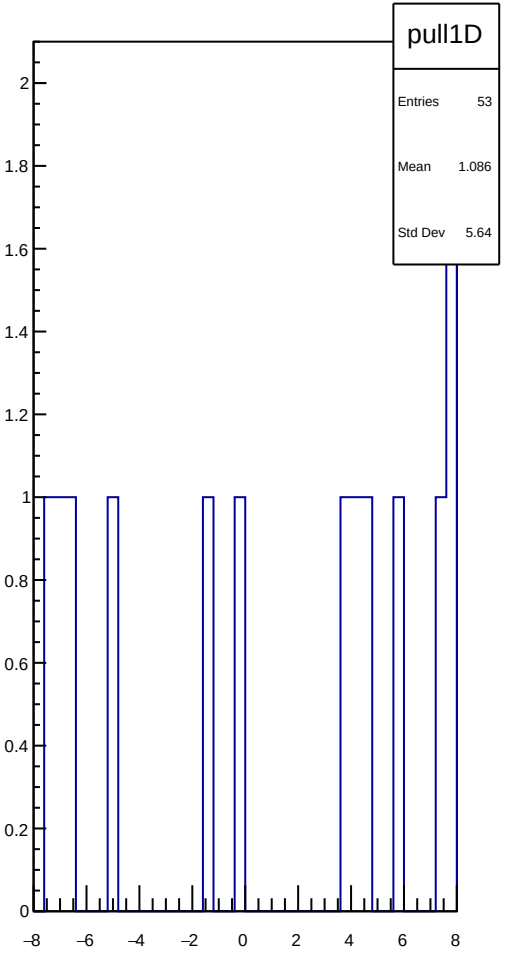

yield_bcm_dg_ds_rms vs run
χ² / ndf 7480 / 52
p0 0.2377 ± 0.000233
0.3
0.28
0.26
0.24
0.22
0.2
0.18
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

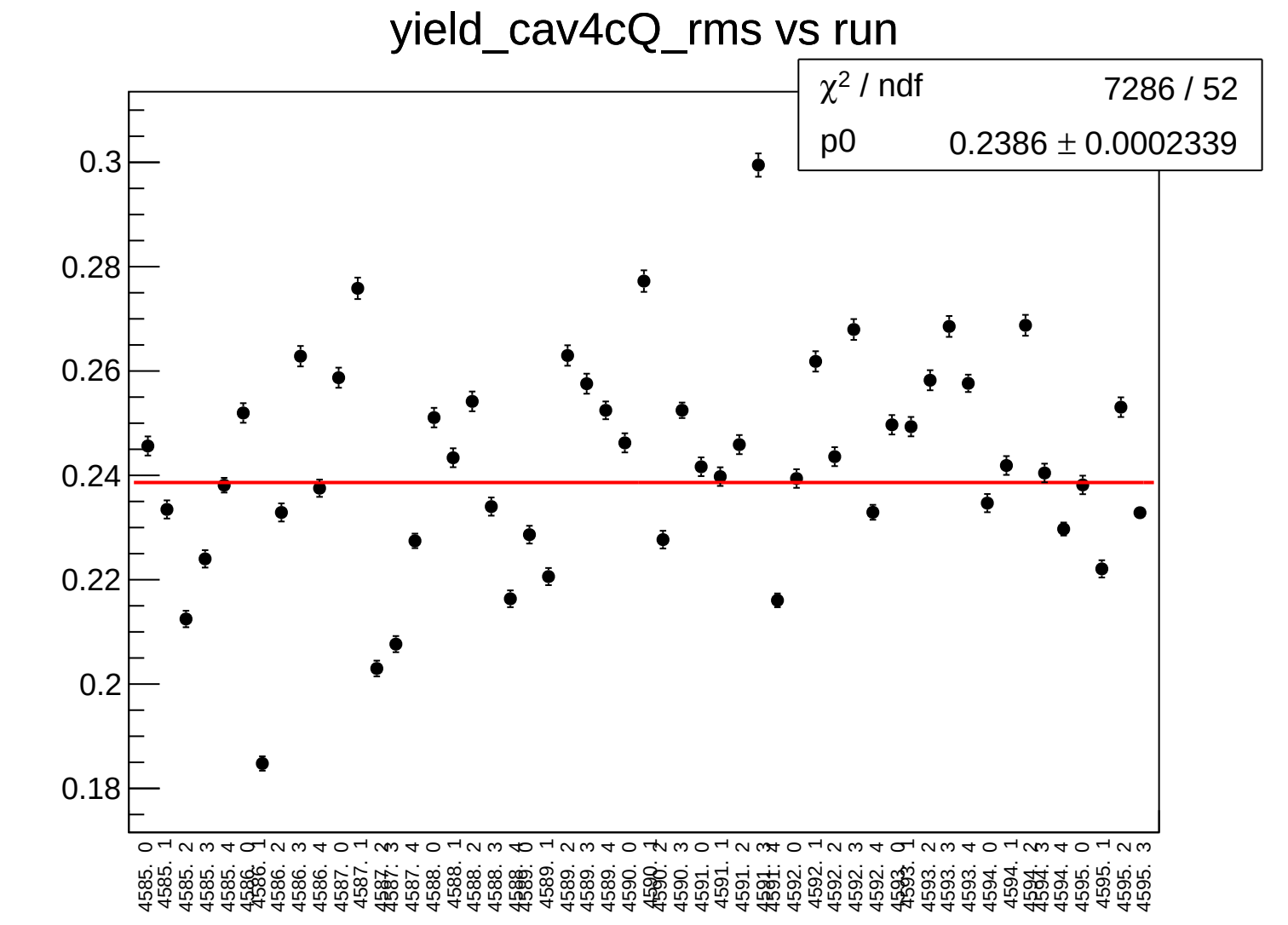

yield_cav4bQ_mean vs run
χ² / ndf 4.085e+04 / 52
p0 402.6 ± 8.939e−06
402.629
402.628
402.627
402.626
402.625
402.624
402.623
402.622
402.621
402.62
pull
Entries 53
Mean 496.3
Std Dev 465
60
40
20
0
−20
−40
−60

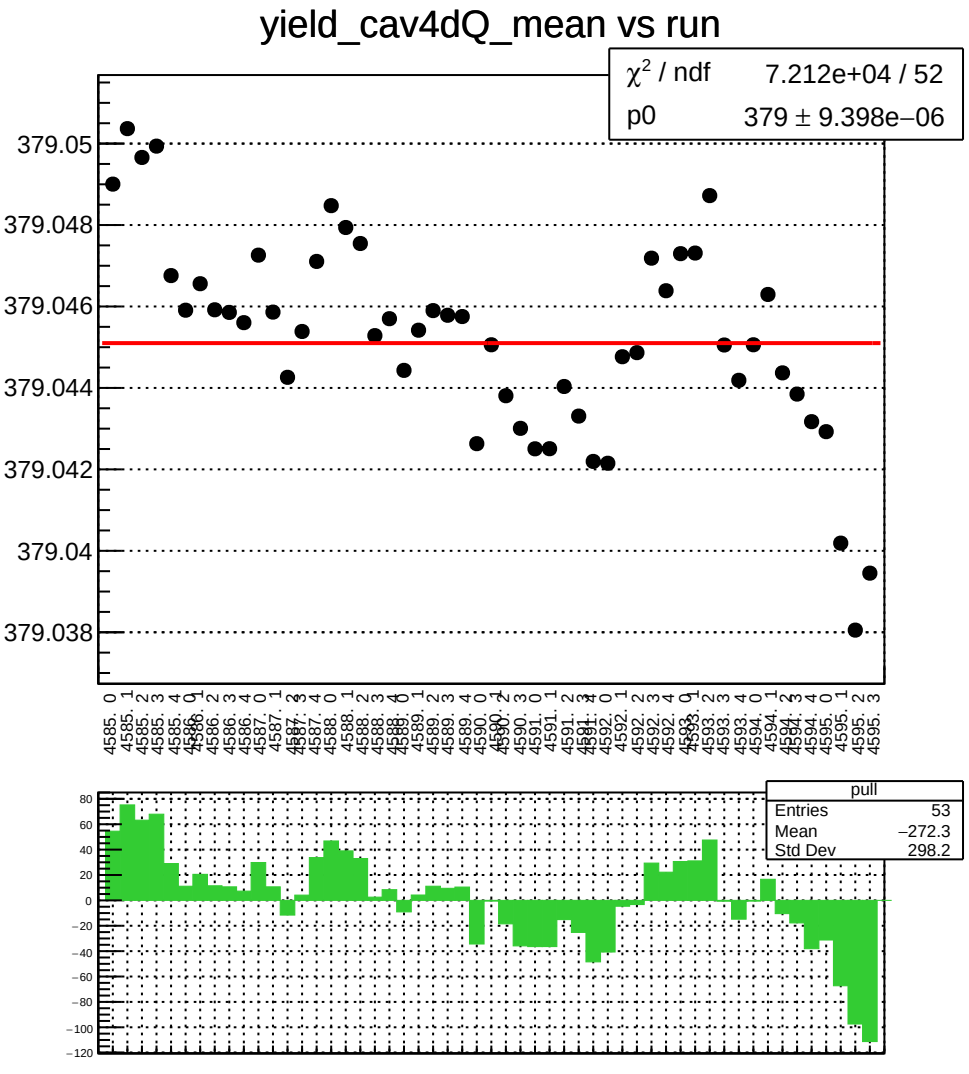

pull1D
Entries 53
Mean 1.952
Std Dev 4.447
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

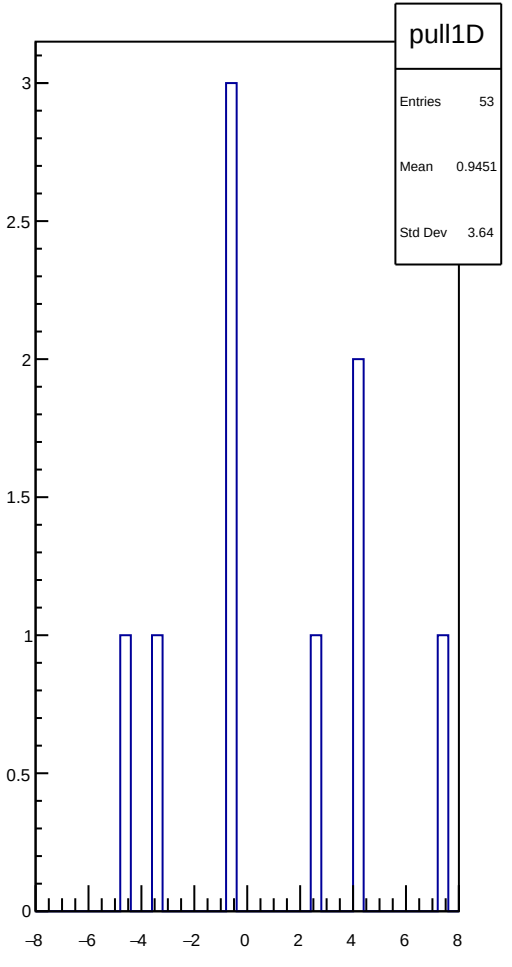

yield_cav4bQ_rms vs run
χ² / ndf 467.1 / 52
p0 0.006469 ± 6.321e−06
0.0069
0.0068
0.0067
0.0066
0.0065
0.0064
0.0063
0.0062

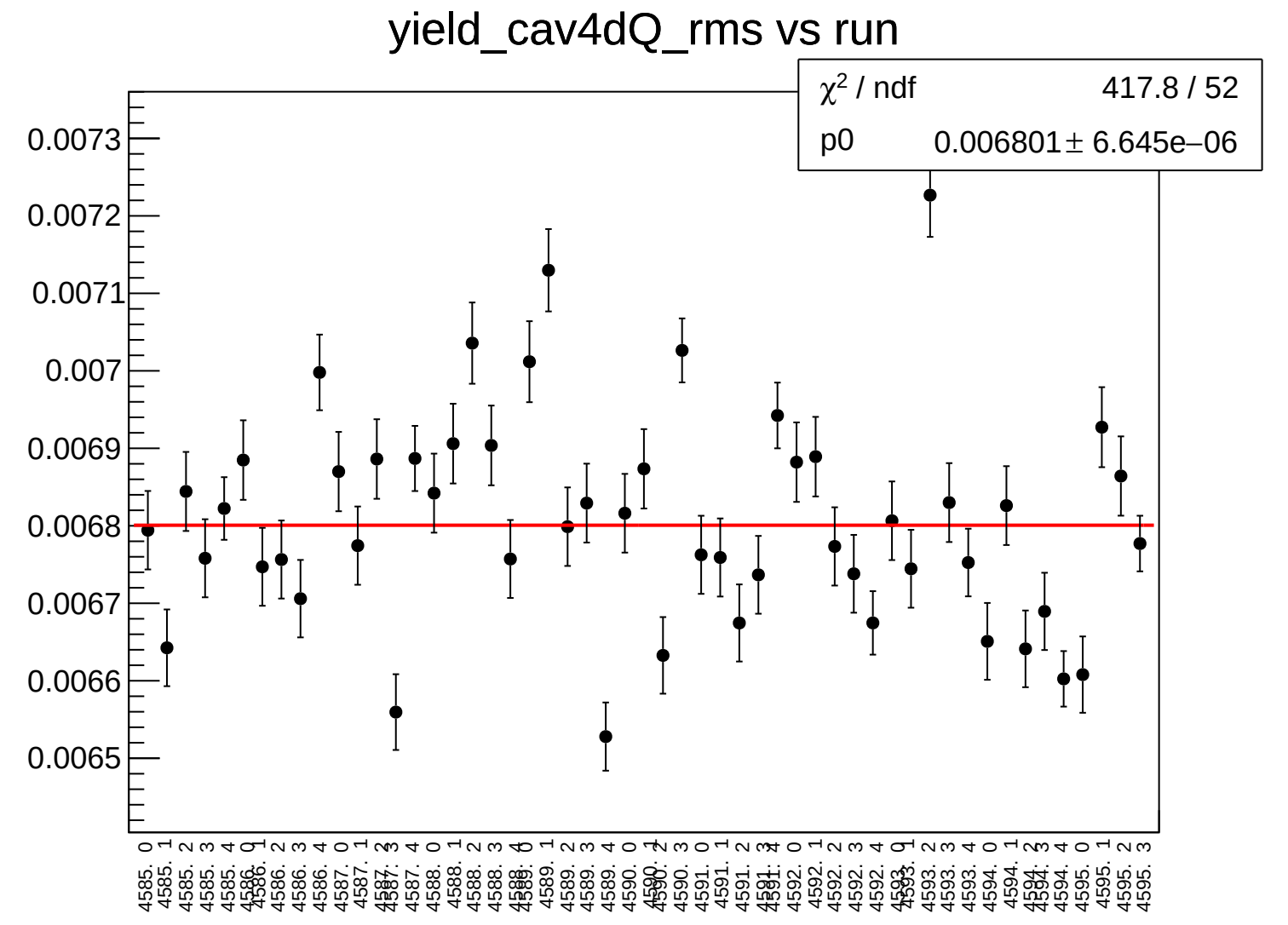

yield_cav4cQ_mean vs run
χ² / ndf 6.179e+04 / 52
p0 70.12 ± 0.0003308
70.25
70.2
70.15
70.1
70.05
70
69.95
69.9
69.85
pull
Entries 53
Mean −250.9
Std Dev 281.9
50
0
−50
−100
−150

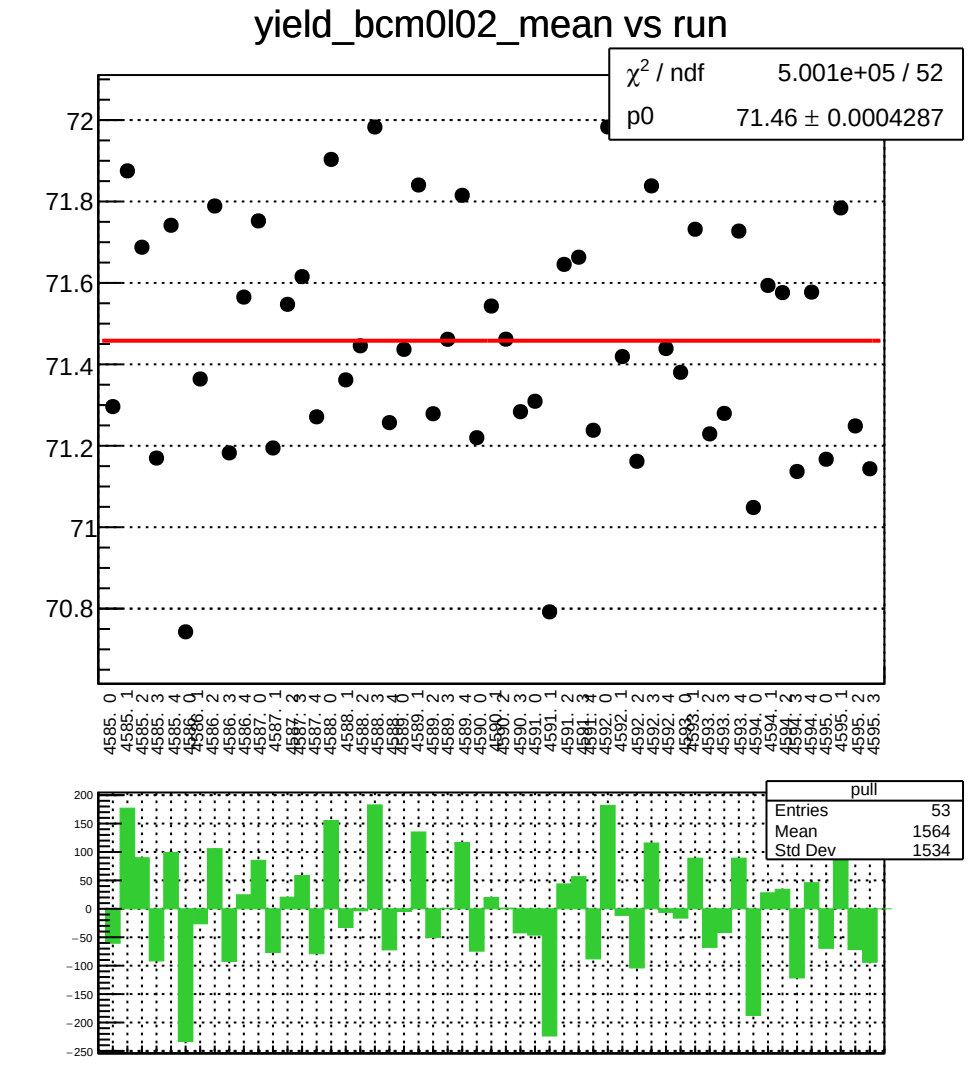

pull1D
Entries 53
Mean 1.086
Std Dev 5.64
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

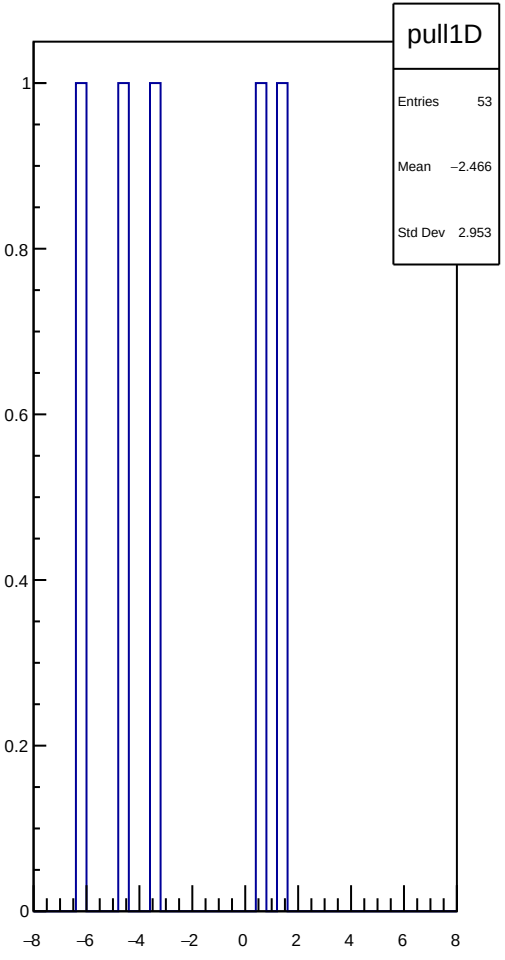

yield_cav4cQ_rms vs run
χ² / ndf 7286 / 52
p0 0.2386 ± 0.0002339
0.3
0.28
0.26
0.24
0.22
0.2
0.18

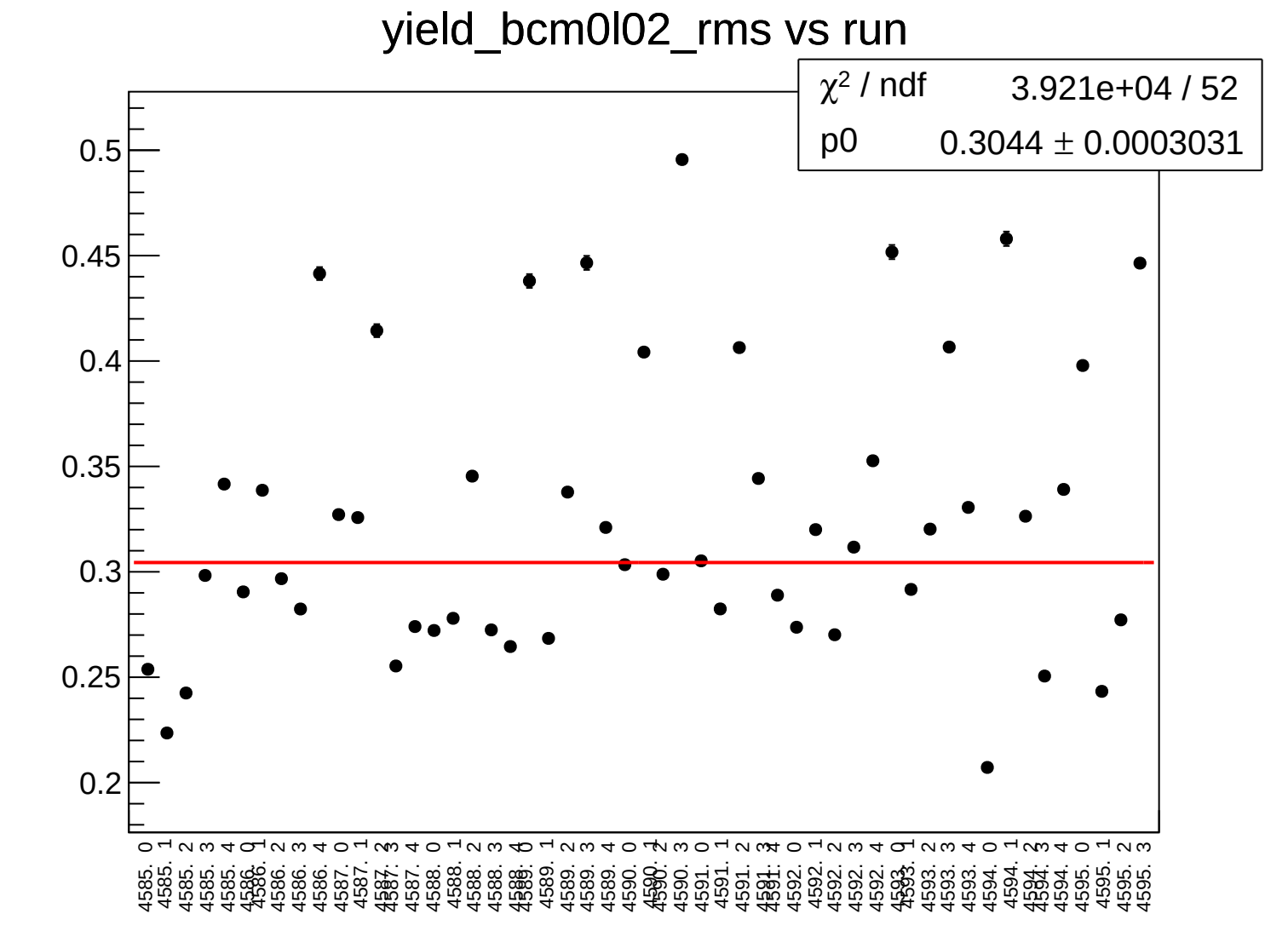

yield_cav4dQ_mean vs run
χ² / ndf 7.212e+04 / 52
p0 379 ± 9.398e−06
379.05
379.048
379.046
379.044
379.042
379.04
379.038
pull
Entries 53
Mean −272.3
Std Dev 298.2
80
60
40
20
0
−20
−40
−60
−80
−100
−120

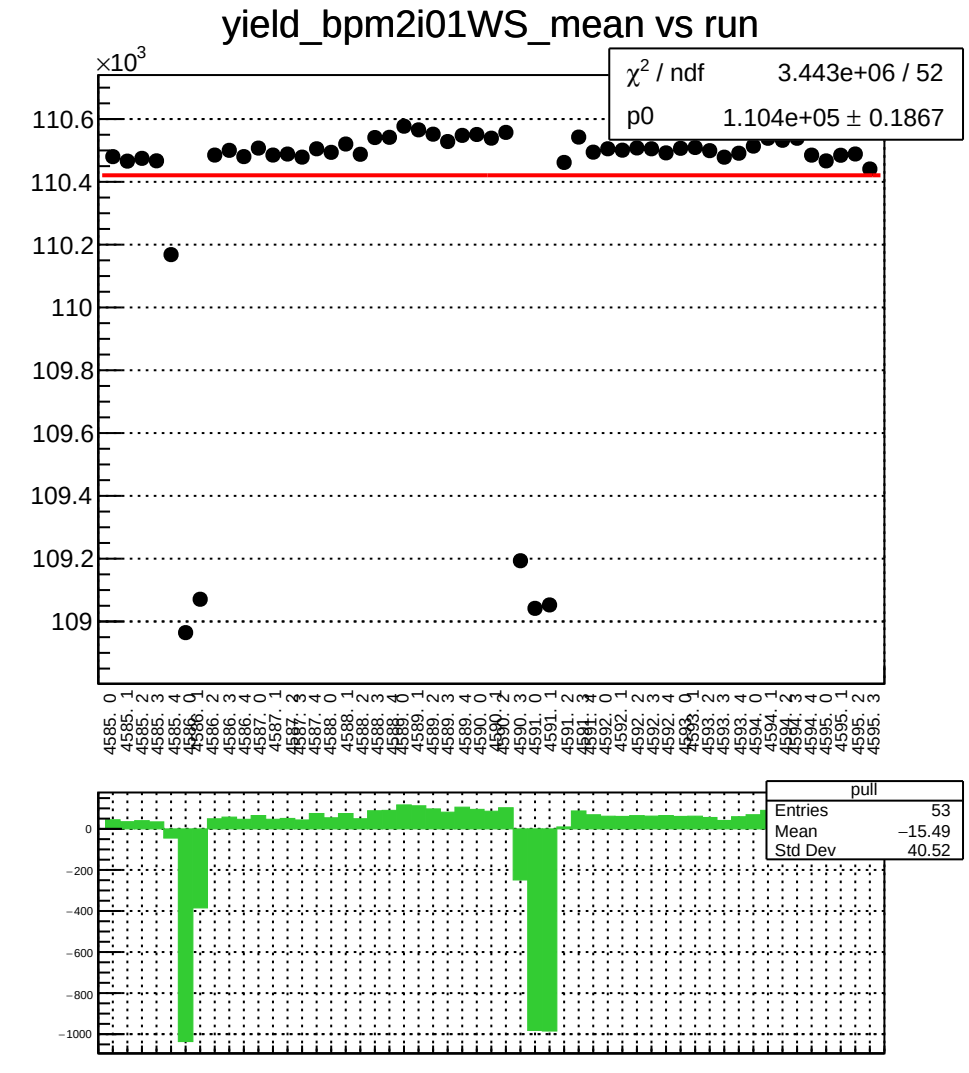

pull1D
Entries 53
Mean 0.9451
Std Dev 3.64
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

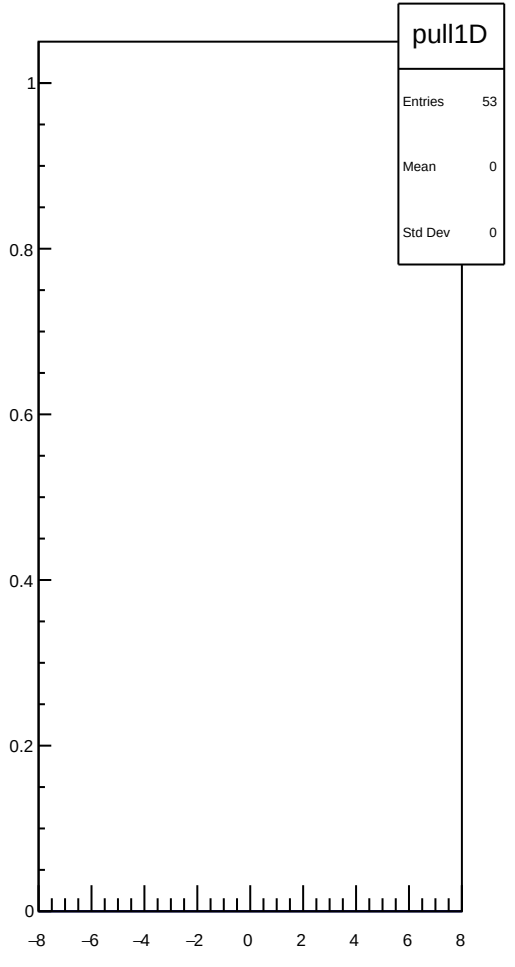

yield_cav4dQ_rms vs run
χ² / ndf 417.8 / 52
p0 0.006801 ± 6.645e−06
0.0073
0.0072
0.0071
0.007
0.0069
0.0068
0.0067
0.0066
0.0065

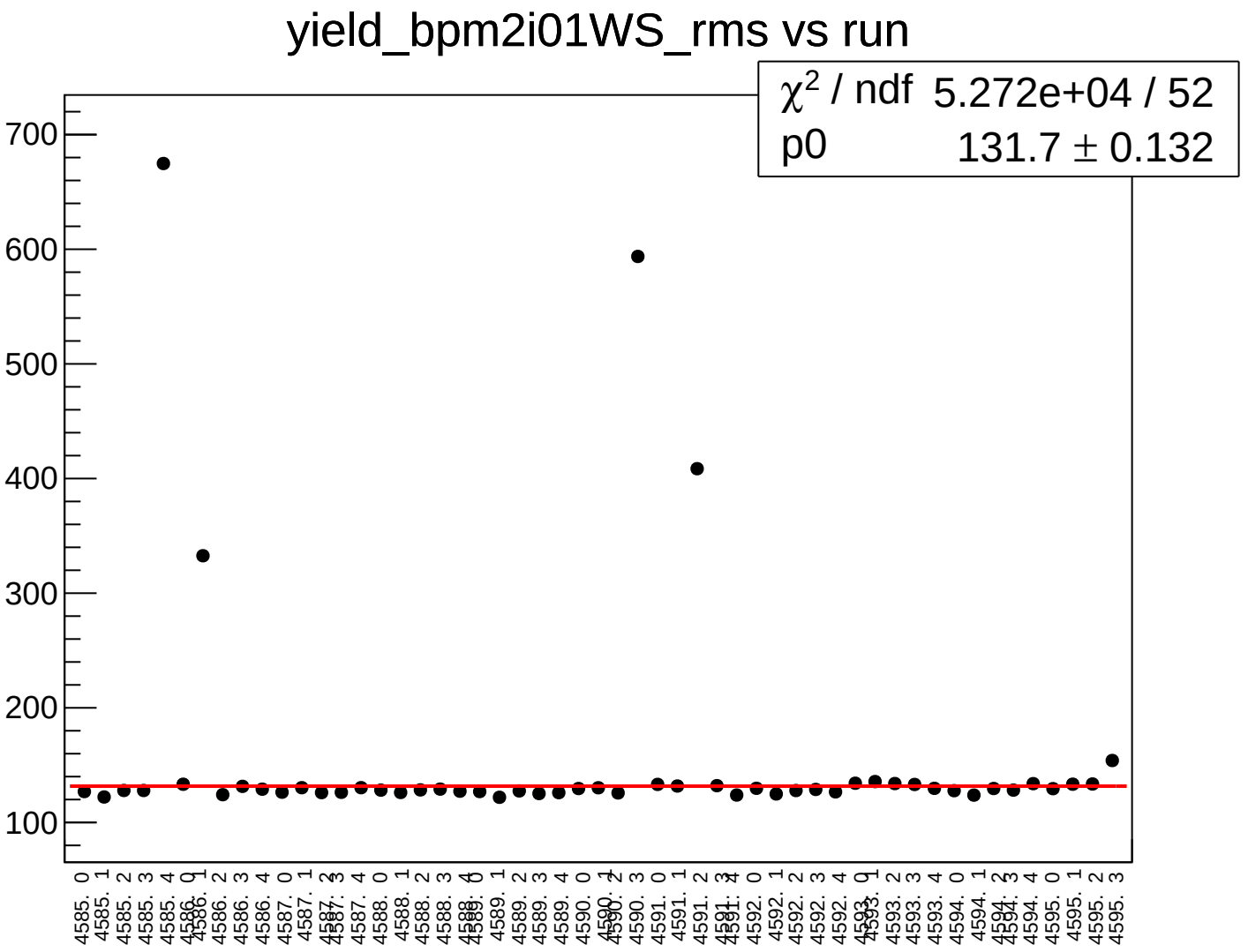

yield_bcm0l02_mean vs run
χ² / ndf 5.001e+05 / 52
p0 71.46 ± 0.0004287
pull
Entries 53
Mean 1564
Std Dev 1534

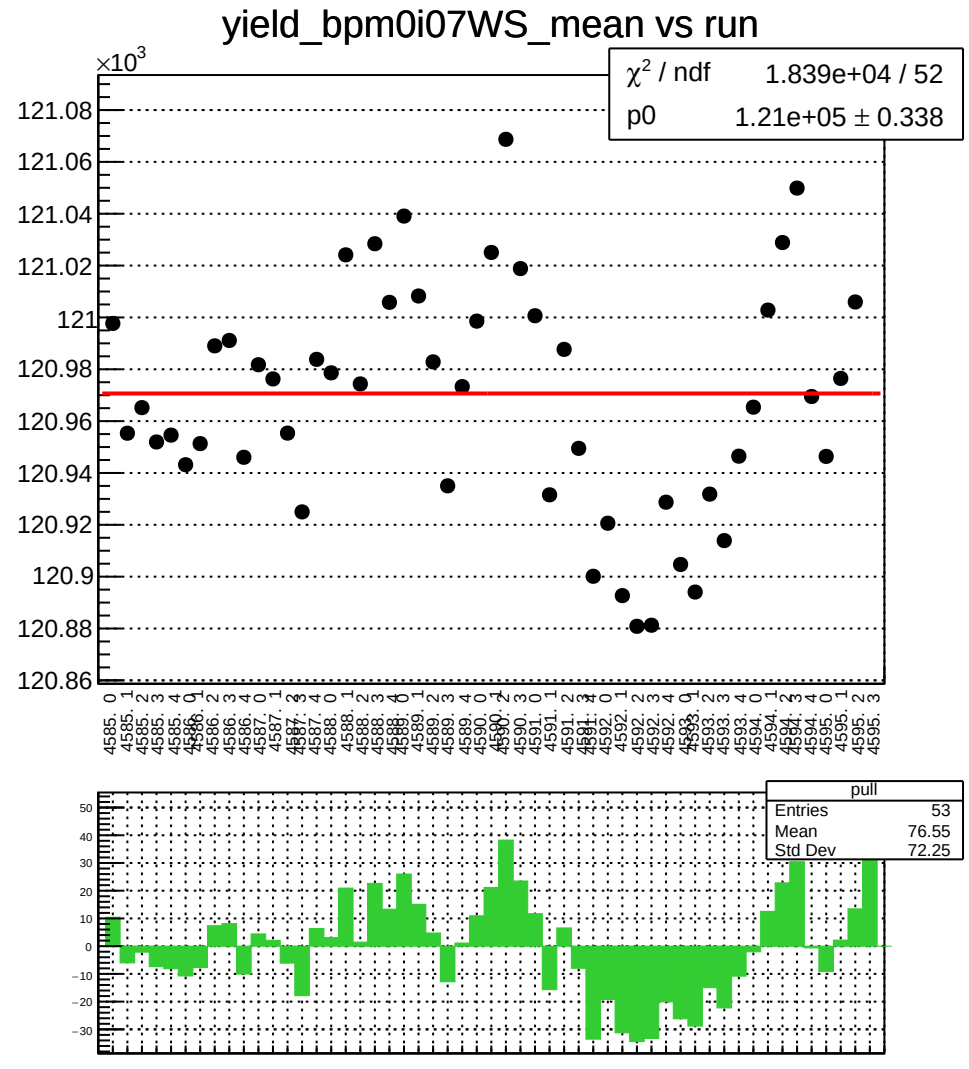

pull1D
Entries 53
Mean −2.466
Std Dev 2.953

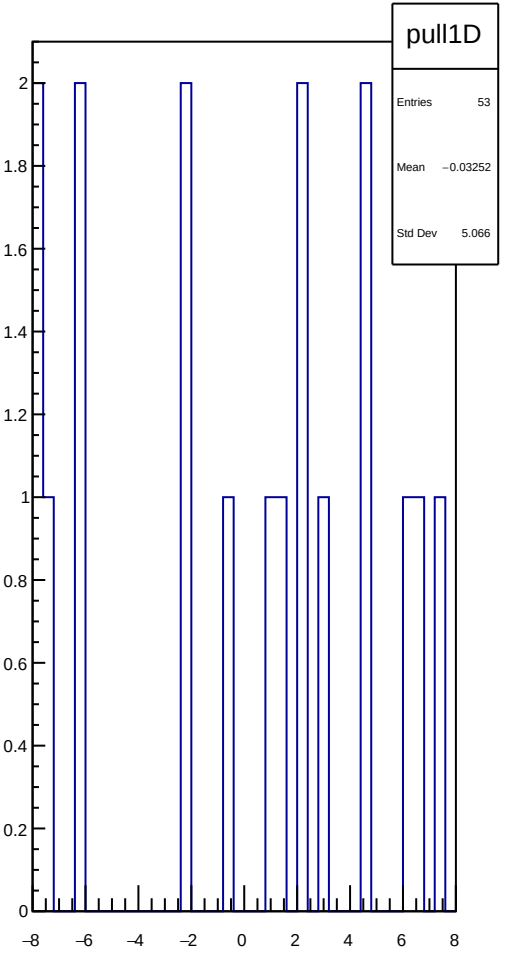

yield_bcm0l02_rms vs run
χ² / ndf 3.921e+04 / 52
p0 0.3044 ± 0.0003031
0.5
0.45
0.4
0.35
0.3
0.25
0.2
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

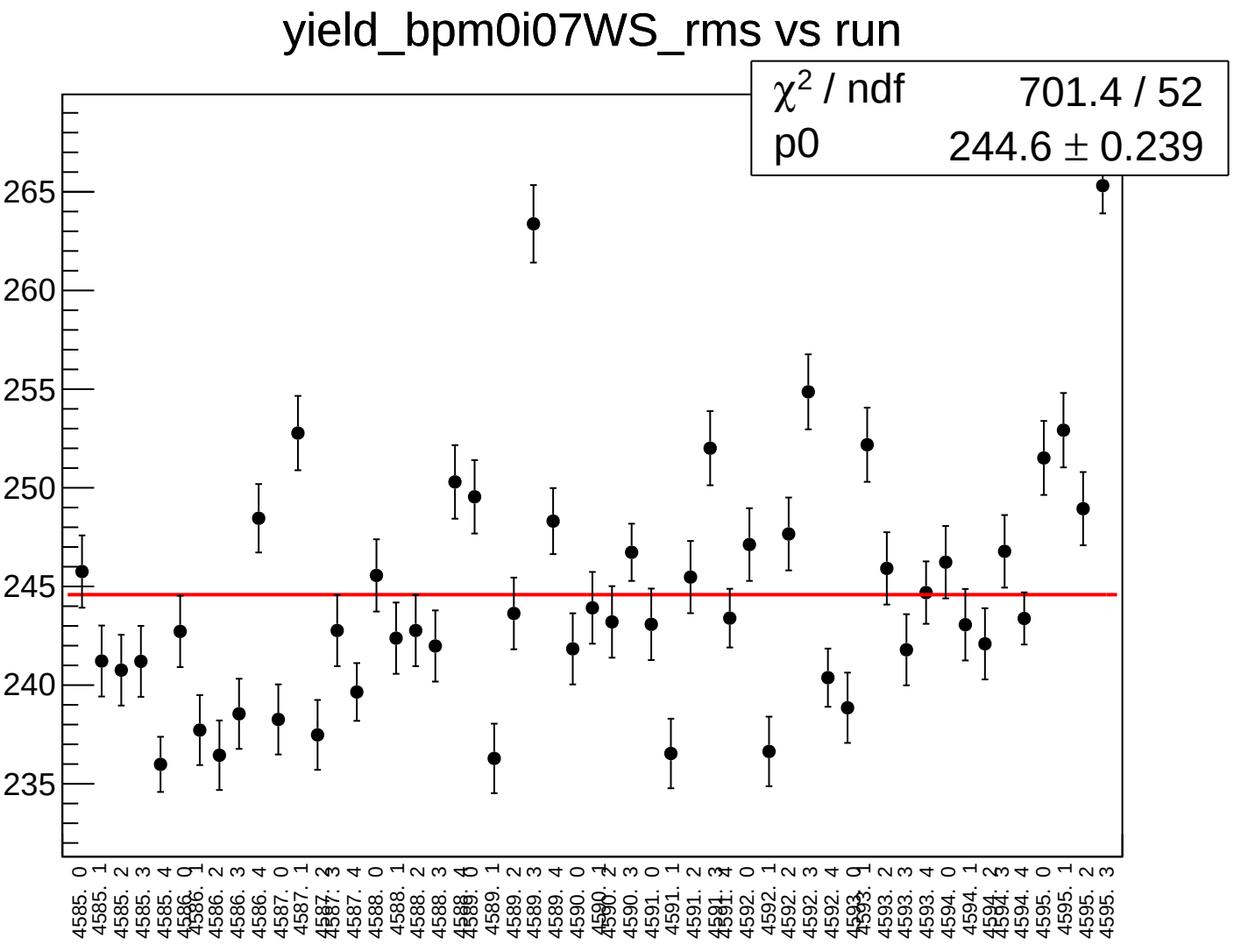

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 3.443e+06 / 52
p0 1.104e+05 ± 0.1867
110.6
110.4
110.2
110
109.8
109.6
109.4
109.2
109
pull
Entries 53
Mean −15.49
Std Dev 40.52
0
−200
−400
−600
−800
−1000

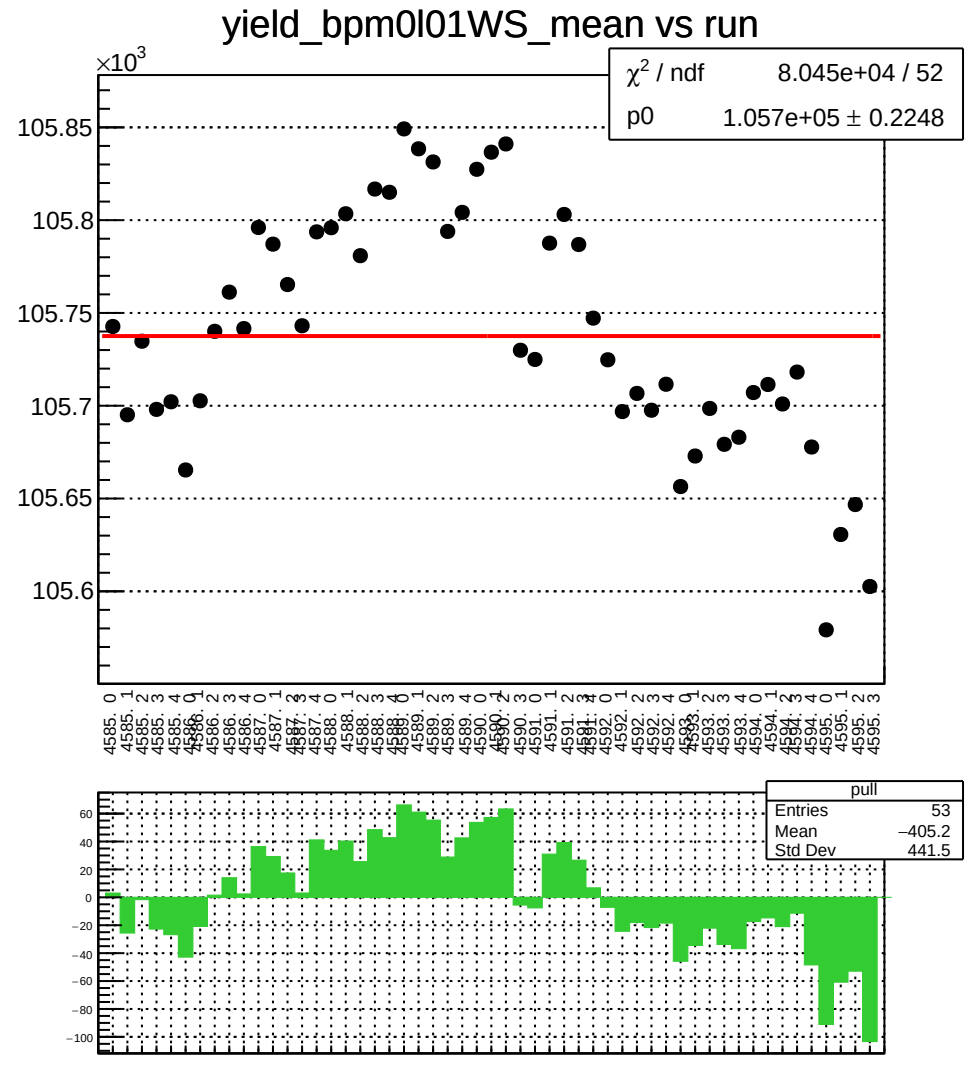

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

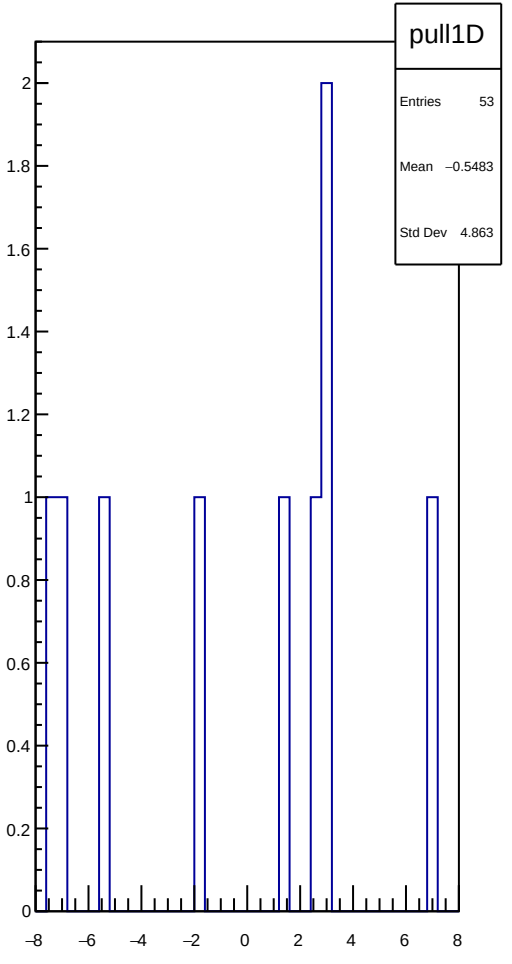

yield_bpm2i01WS_rms vs run
χ^2 / ndf 5.272e+04 / 52
p0 131.7 ± 0.132
700
600
500
400
300
200
100
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

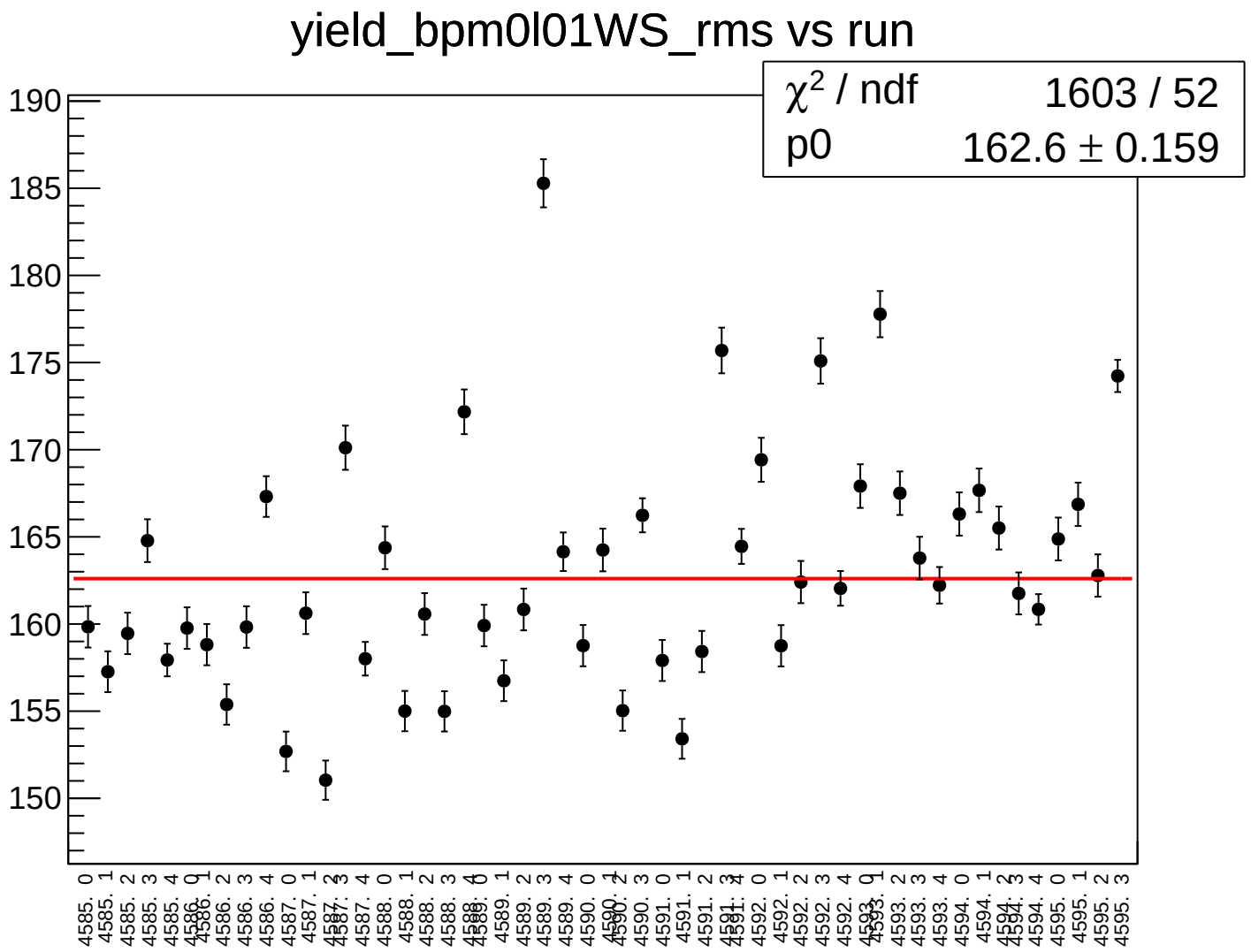

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.839e+04 / 52
p0 1.21e+05 ± 0.338
121.08
121.06
121.04
121.02
121
120.98
120.96
120.94
120.92
120.9
120.88
120.86
pull
Entries 53
Mean 76.55
Std Dev 72.25
50
40
30
20
10
0
−10
−20
−30

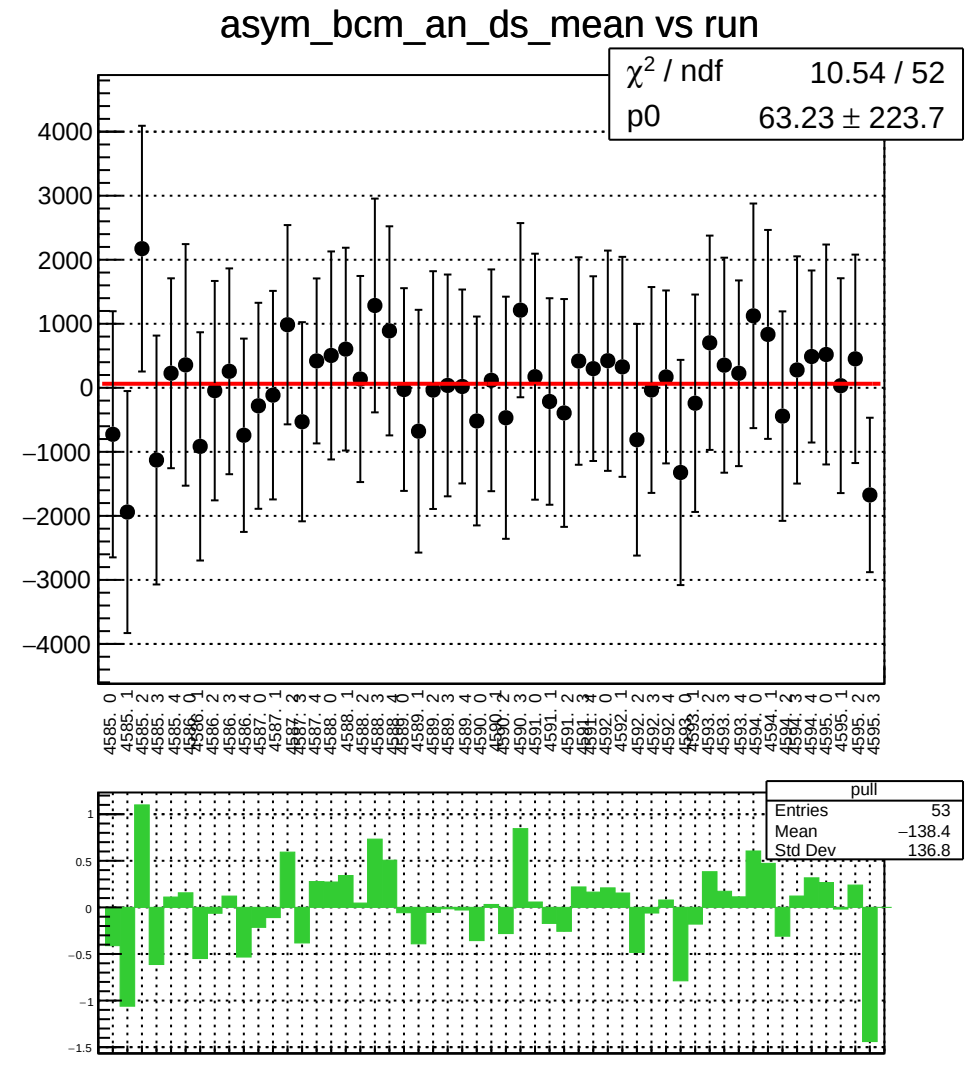

pull1D
Entries 53
Mean −0.03252
Std Dev 5.066
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

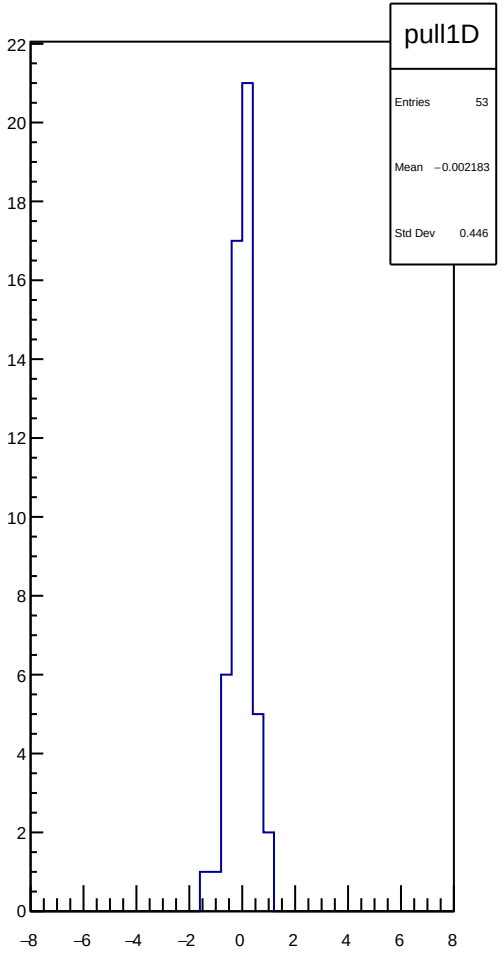

yield_bpm0i07WS_rms vs run
χ² / ndf 701.4 / 52
p0 244.6 ± 0.239
265
260
255
250
245
240
235
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

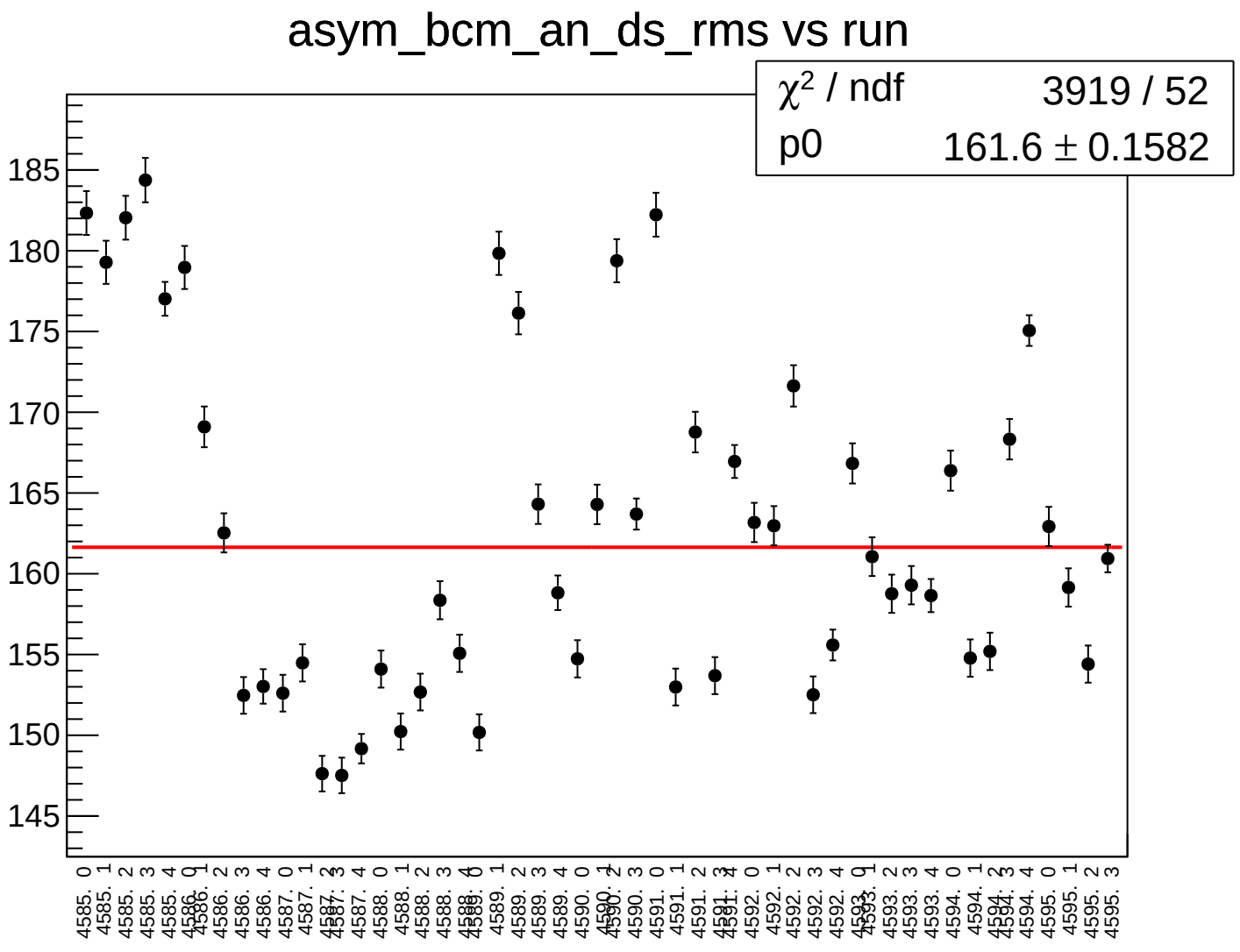

yield_bpm0l01WS_mean vs run
×10^3
χ^2 / ndf 8.045e+04 / 52
p0 1.057e+05 ± 0.2248
105.85
105.8
105.75
105.7
105.65
105.6
pull
Entries 53
Mean −405.2
Std Dev 441.5
60
40
20
0
−20
−40
−60
−80
−100

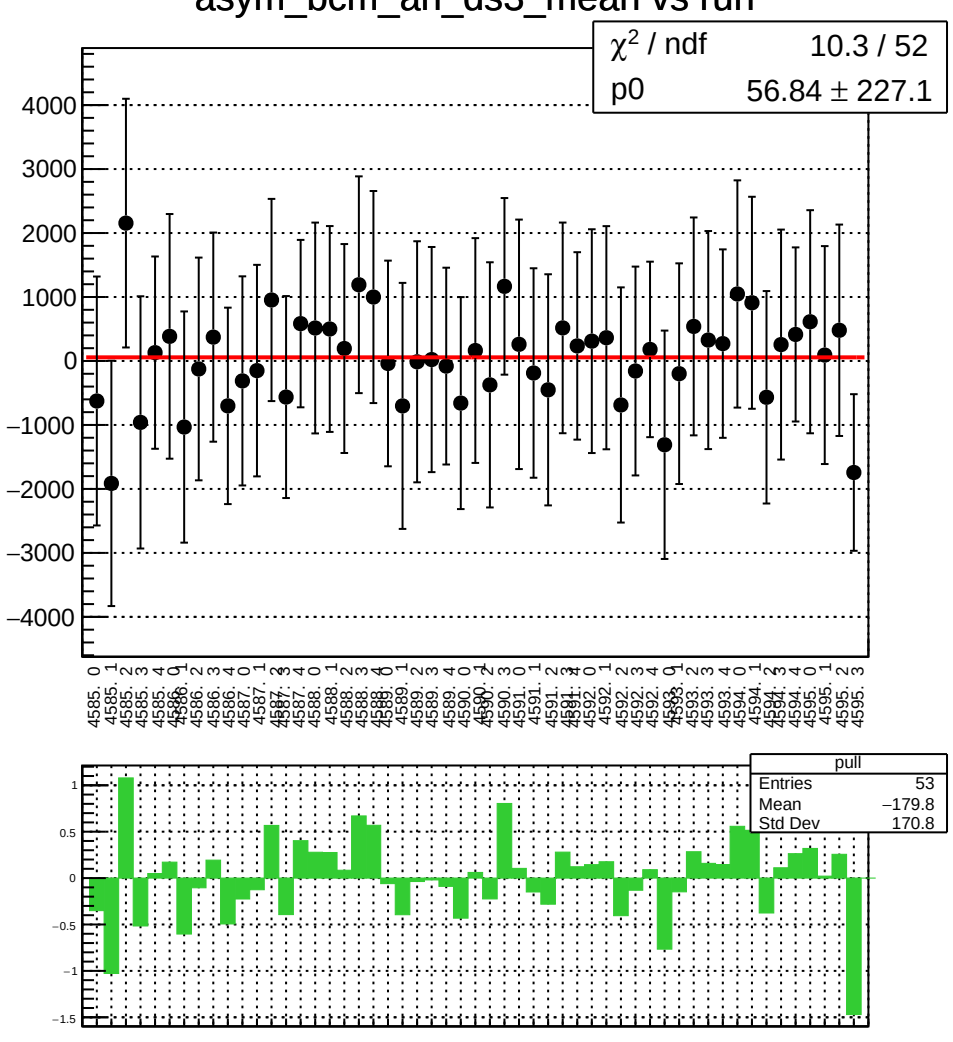

pull1D
Entries 53
Mean −0.5483
Std Dev 4.863
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

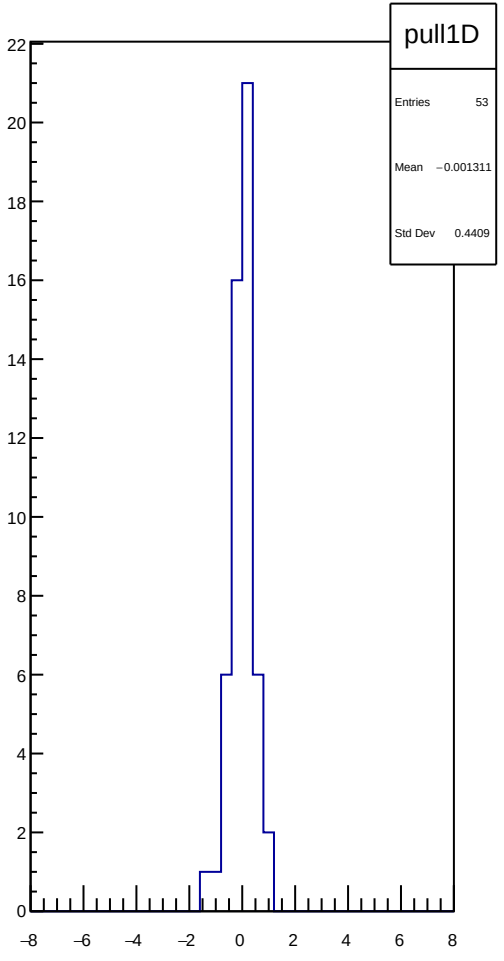

yield_bpm0l01WS_rms vs run
χ² / ndf 1603 / 52
p0 162.6 ± 0.159
190
185
180
175
170
165
160
155
150
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

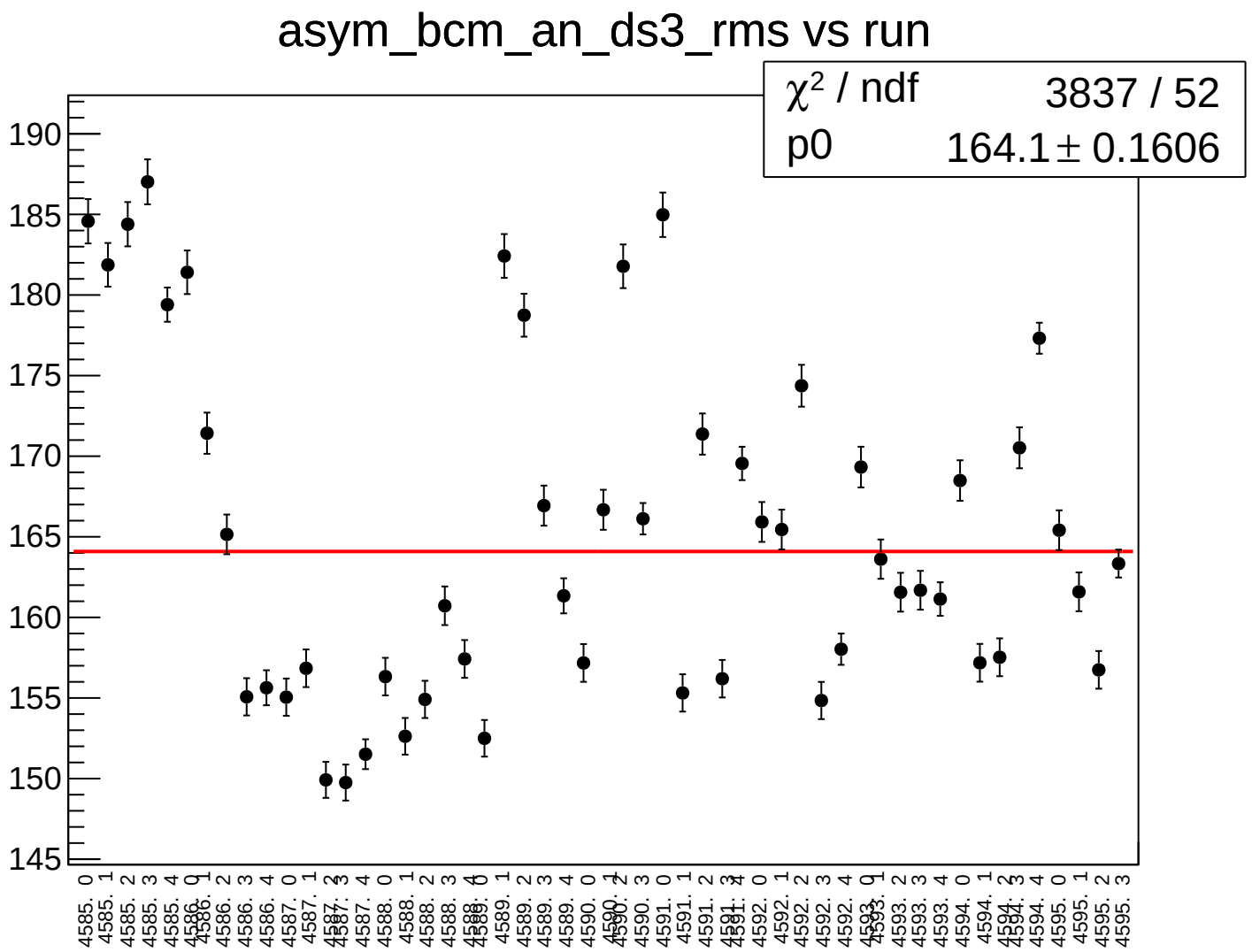

asym_bcm_an_ds_mean vs run
χ² / ndf 10.54 / 52
p0 63.23 ± 223.7
pull
Entries 53
Mean −138.4
Std Dev 136.8


pull1D
Entries 53
Mean −0.002183
Std Dev 0.446


asym_bcm_an_ds_rms vs run
χ² / ndf 3919 / 52
p0 161.6 ± 0.1582
185
180
175
170
165
160
155
150
145
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_bcm_an_ds3_mean vs run
χ² / ndf 10.3 / 52
p0 56.84 ± 227.1
pull
Entries 53
Mean −179.8
Std Dev 170.8


pull1D
Entries 53
Mean −0.001311
Std Dev 0.4409


asym_bcm_an_ds3_rms vs run
χ² / ndf 3837 / 52
p0 164.1 ± 0.1606
190
185
180
175
170
165
160
155
150
145
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
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4591. 0
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4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
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4593. 3
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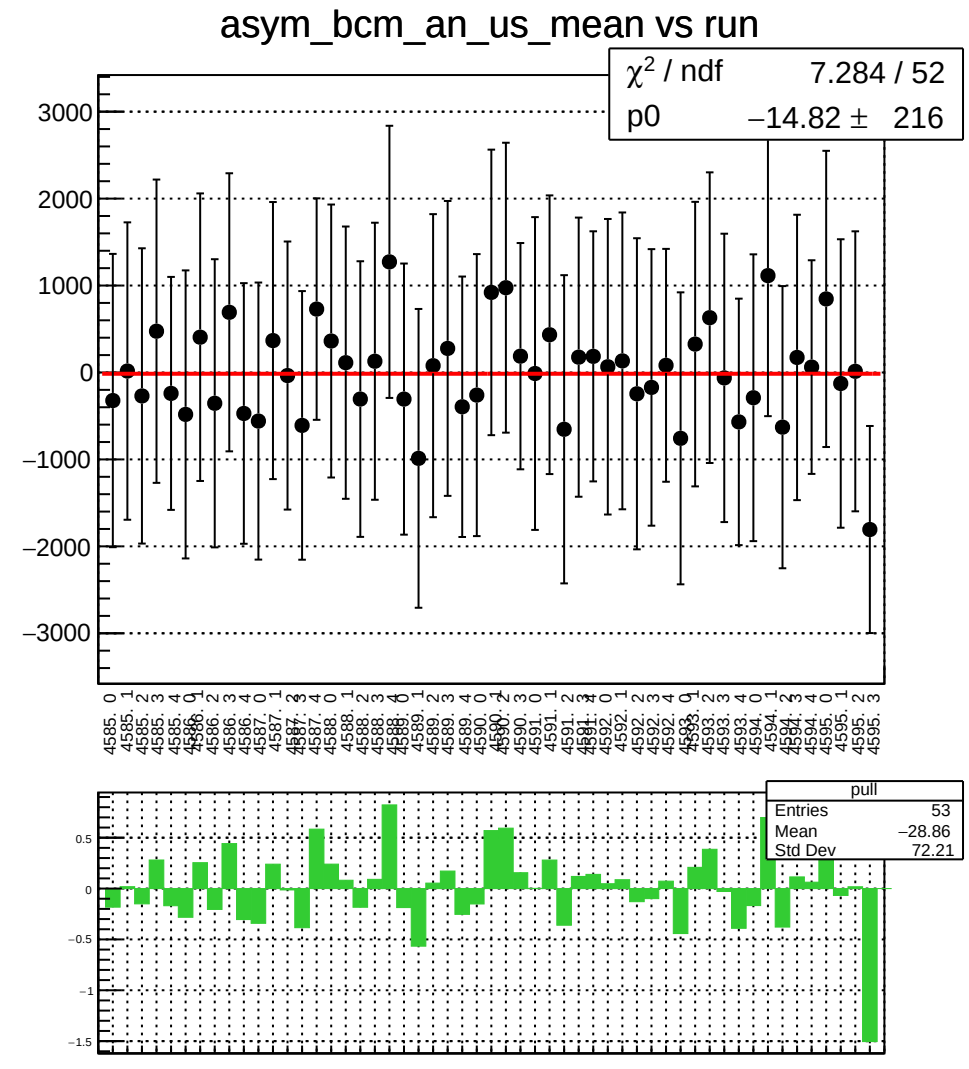
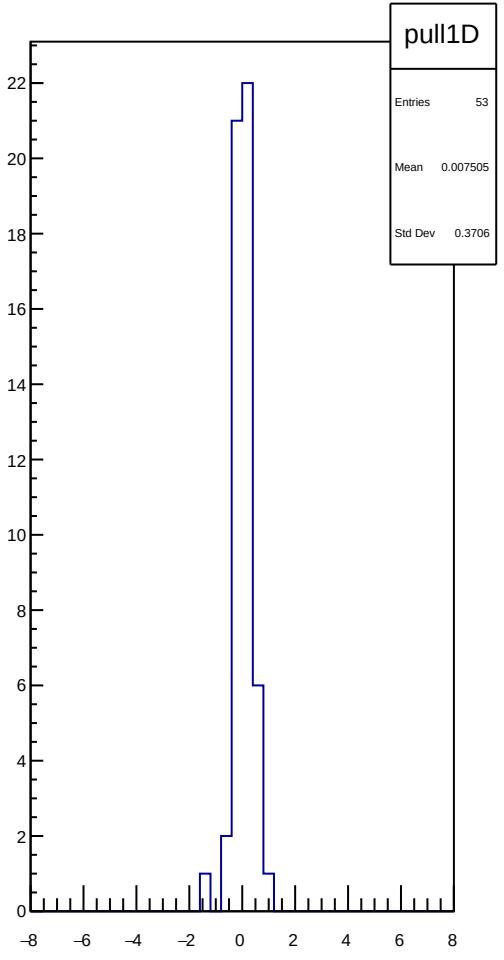
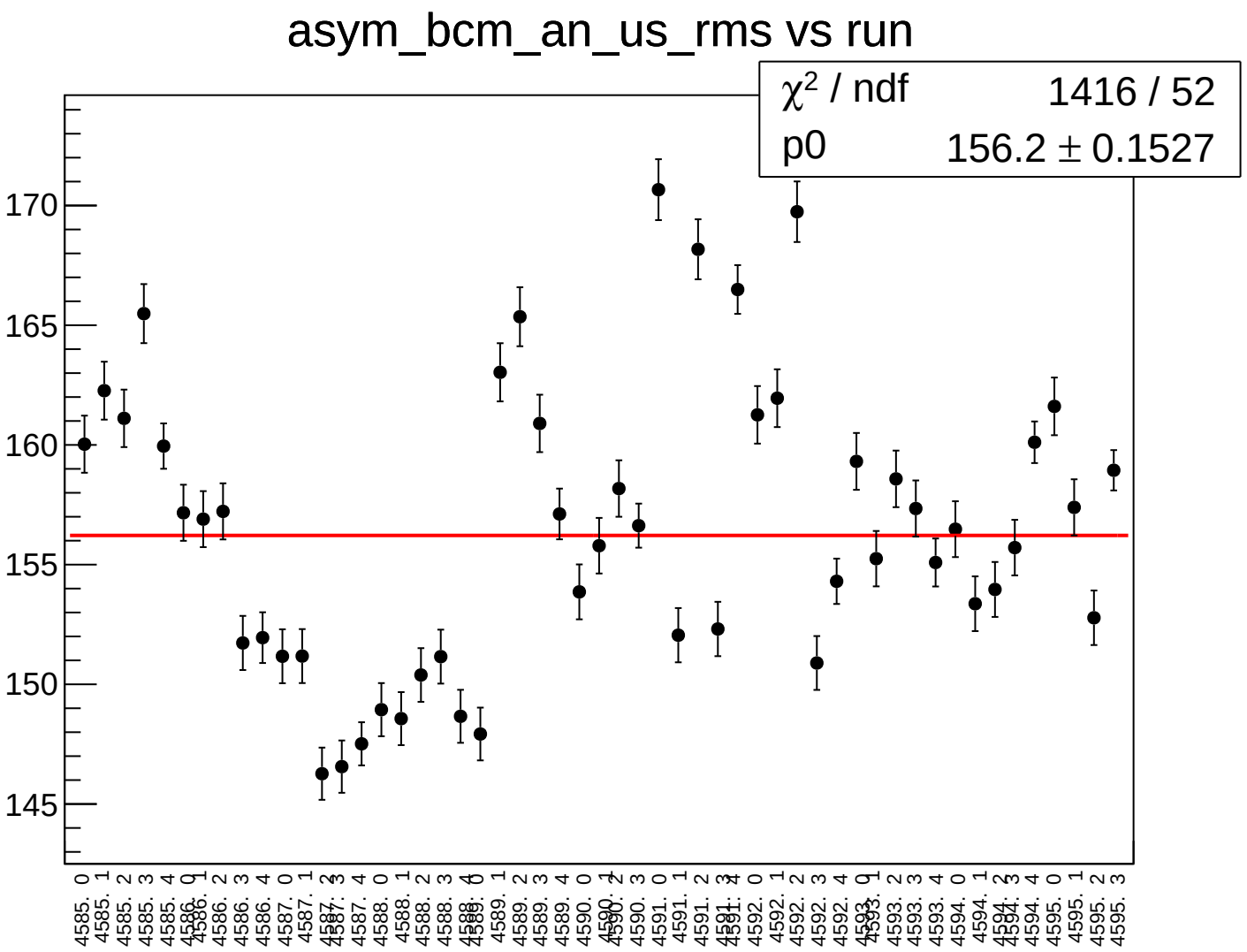
4595. 2
4595. 3


asym_bcm_an_us_mean vs run
χ² / ndf 7.284 / 52
p0 −14.82 ± 216
pull
Entries 53
Mean −28.86
Std Dev 72.21


pull1D
Entries 53
Mean 0.007505
Std Dev 0.3706


asym_bcm_an_us_rms vs run
χ² / ndf 1416 / 52
p0 156.2 ± 0.1527
170
165
160
155
150
145
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
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4586. 4
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4588. 0
4588. 1
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4590. 0
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4590. 3
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4591. 1
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4592. 1
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4593. 1
4593. 2
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4593. 4
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4594. 1
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4594. 3
4594. 4
4595. 0
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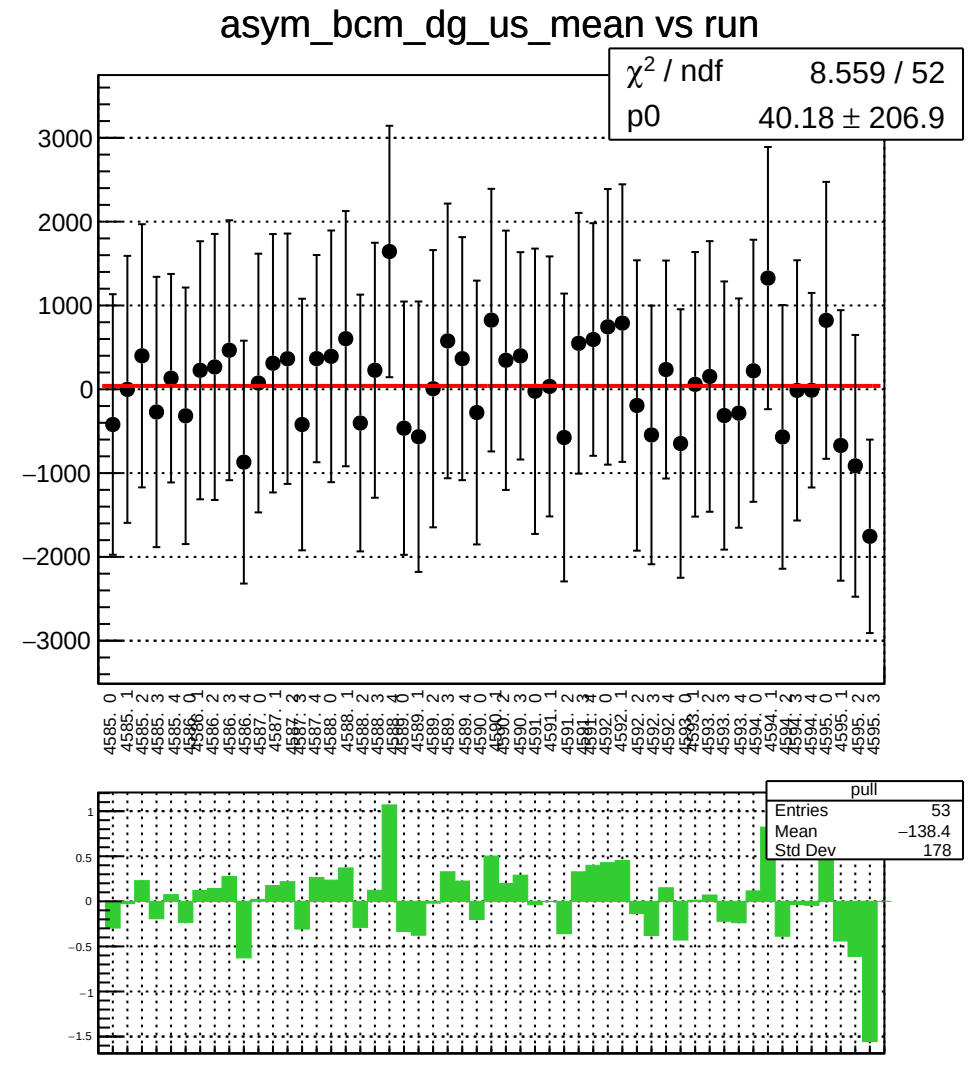
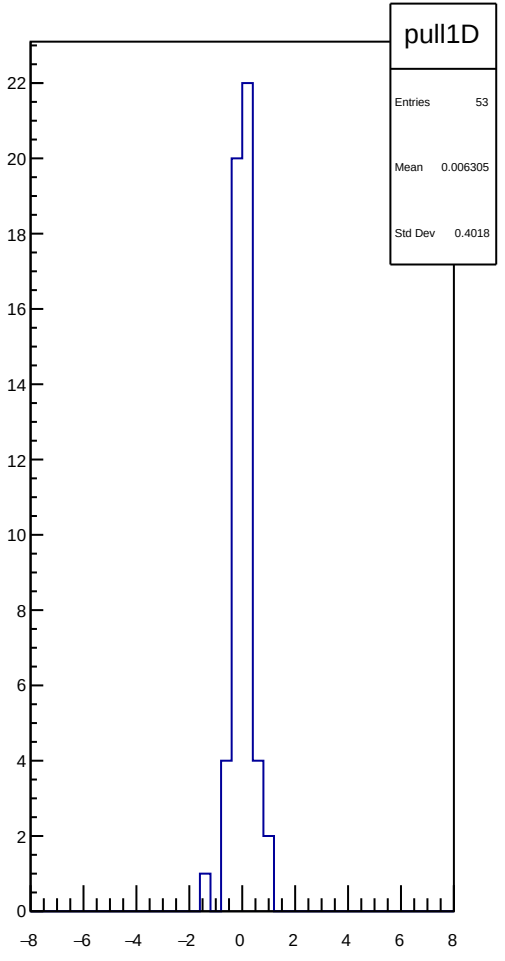
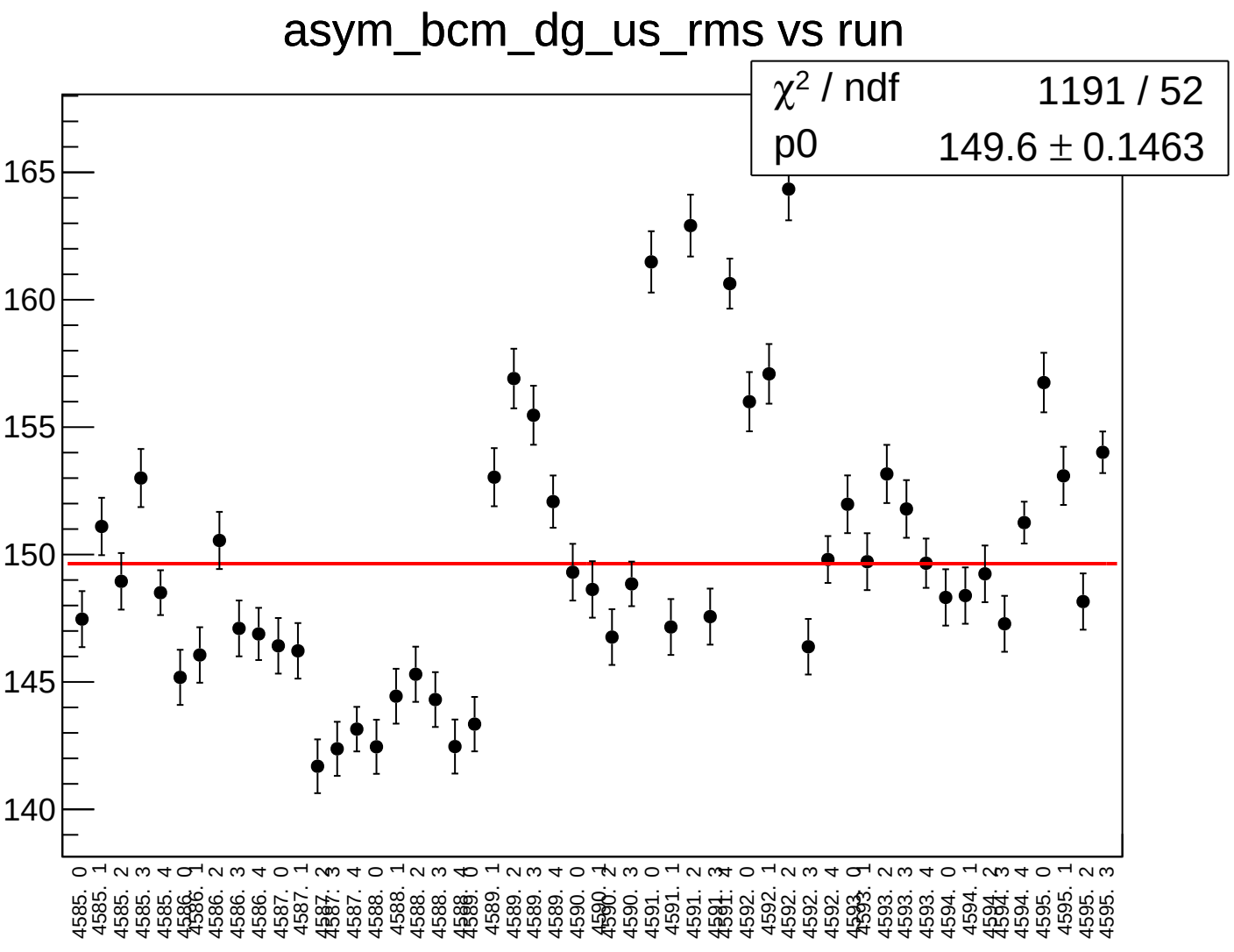
4595. 2
4595. 3


asym_bcm_dg_us_mean vs run
χ² / ndf 8.559 / 52
p0 40.18 ± 206.9
pull
Entries 53
Mean −138.4
Std Dev 178


pull1D
Entries 53
Mean 0.006305
Std Dev 0.4018


asym_bcm_dg_us_rms vs run
χ² / ndf 1191 / 52
p0 149.6 ± 0.1463
165
160
155
150
145
140
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
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4586. 3
4586. 4
4587. 0
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4593. 1
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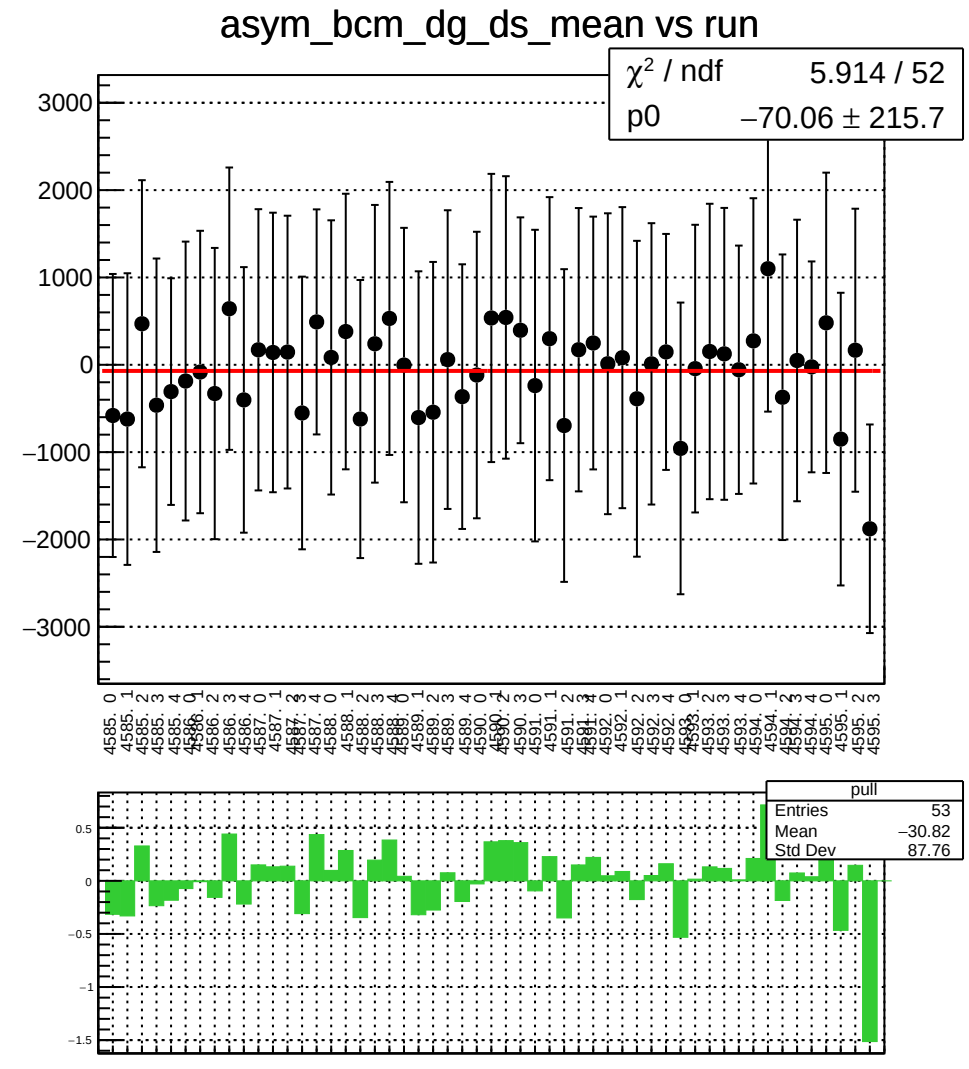
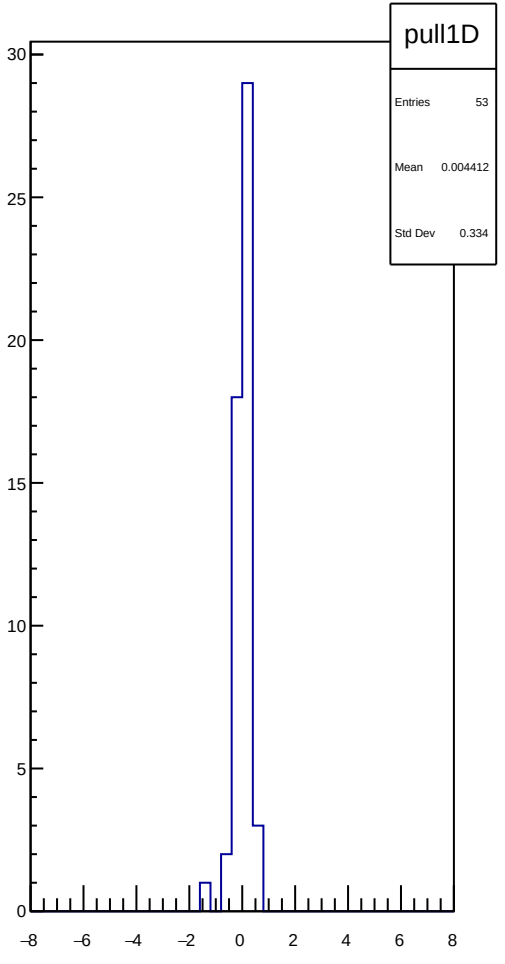
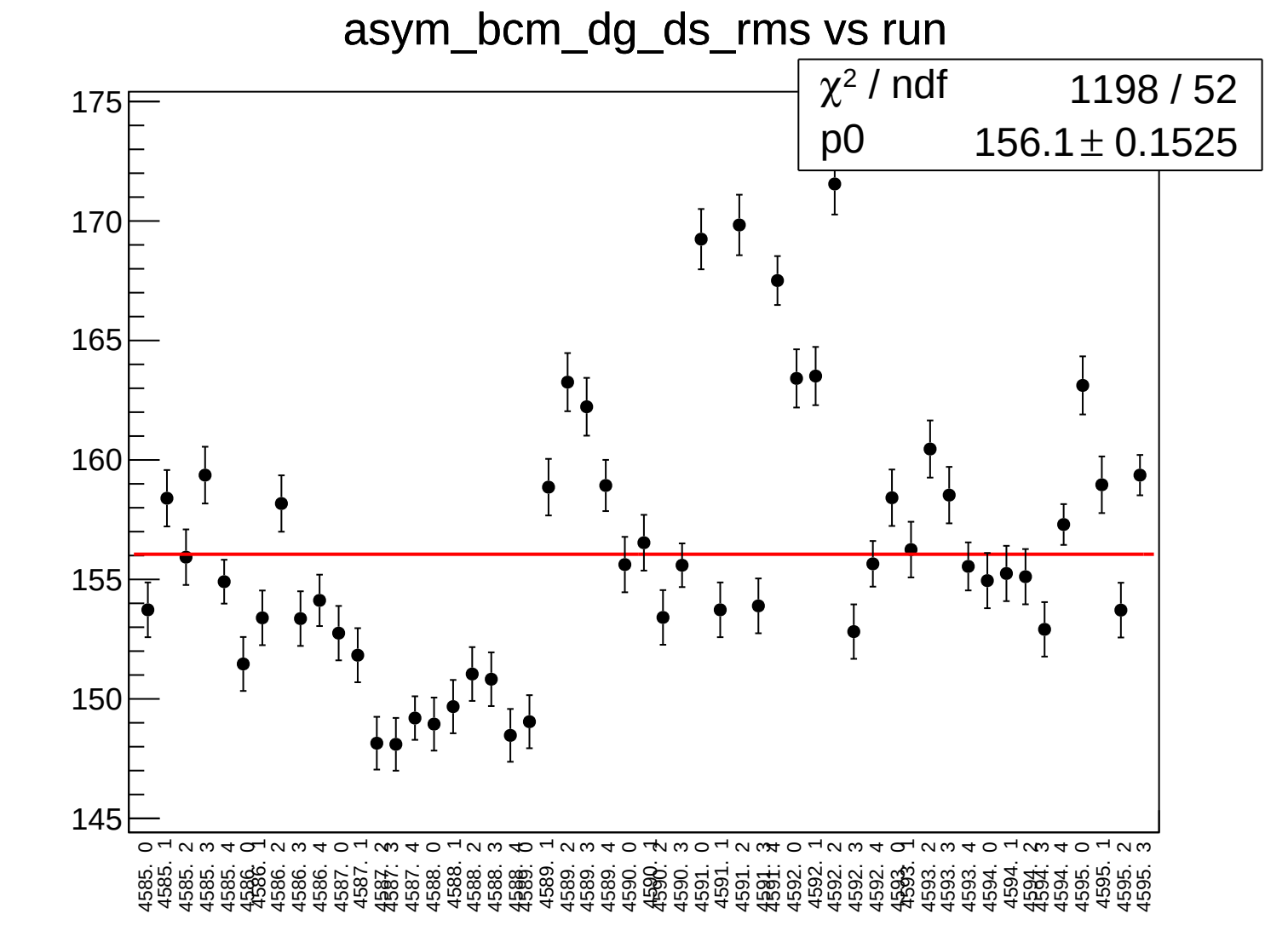
4595. 2
4595. 3


asym_bcm_dg_ds_mean vs run
χ² / ndf 5.914 / 52
p0 −70.06 ± 215.7
pull
Entries 53
Mean −30.82
Std Dev 87.76


pull1D
Entries 53
Mean 0.004412
Std Dev 0.334


asym_bcm_dg_ds_rms vs run
χ² / ndf 1198 / 52
p0 156.1 ± 0.1525
175
170
165
160
155
150
145
4585. 0
4585. 1
4585. 2
4585. 3
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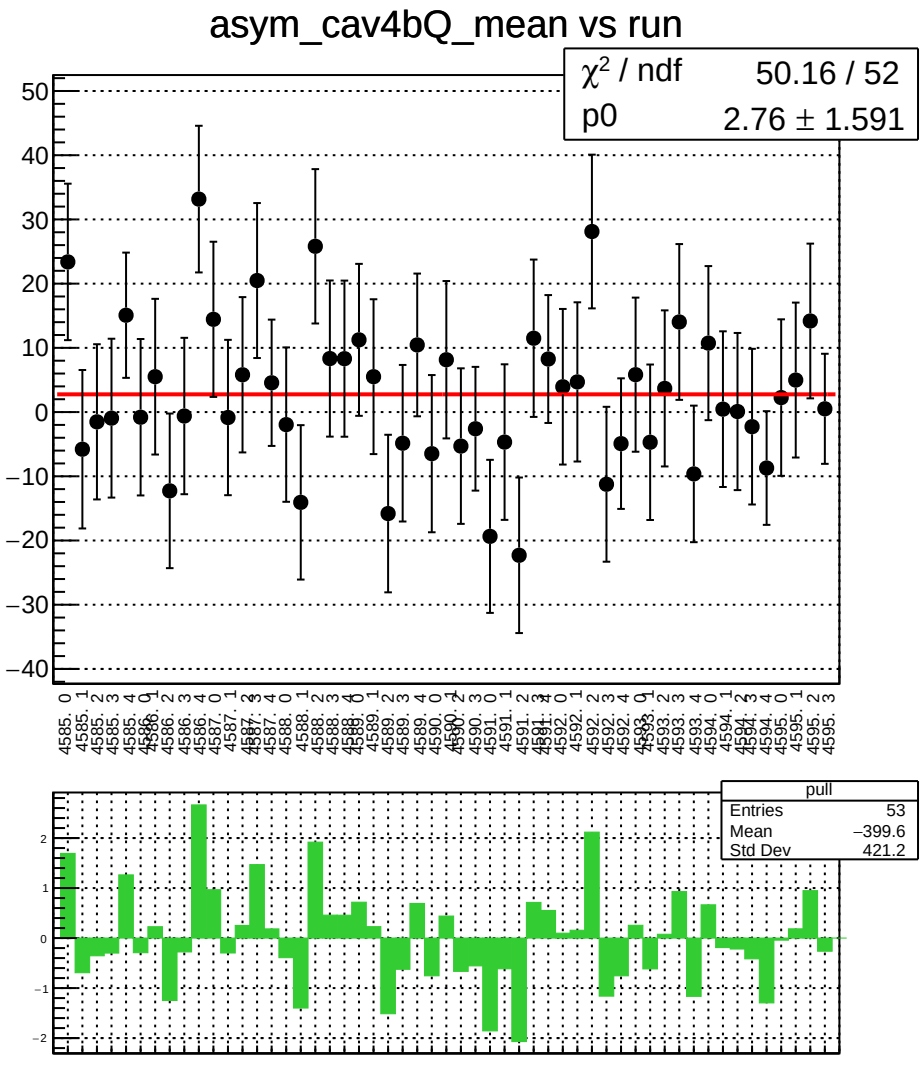
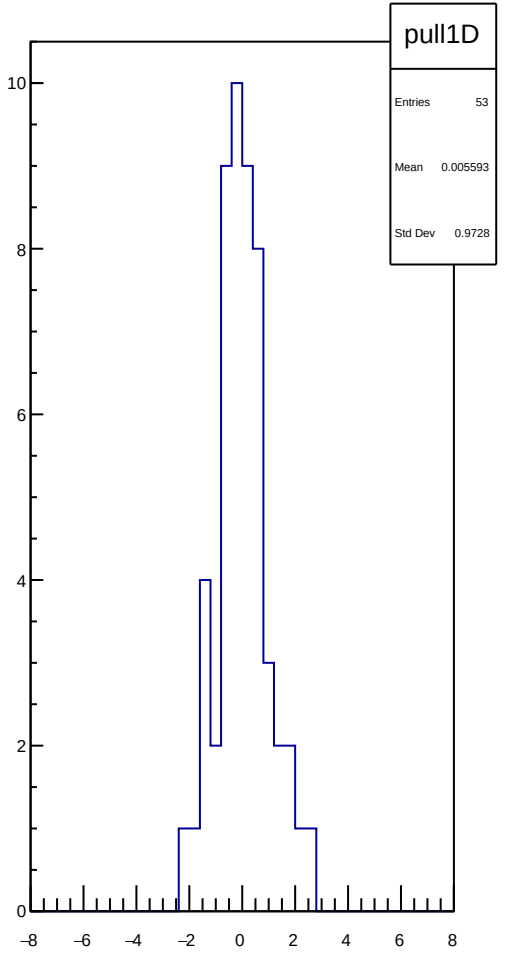
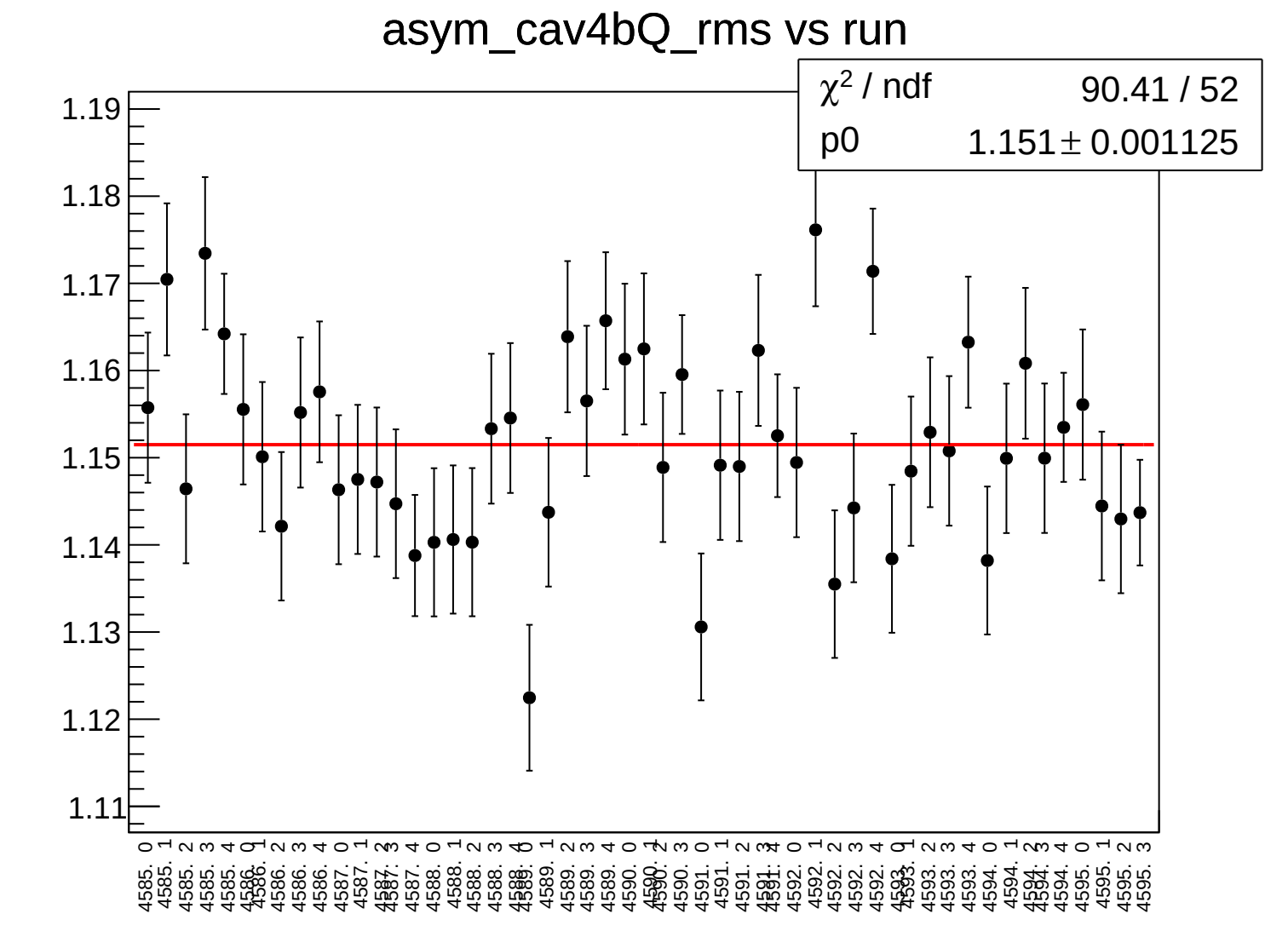
4595. 3


asym_cav4bQ_mean vs run
χ² / ndf 50.16 / 52
p0 2.76 ± 1.591
pull
Entries 53
Mean −399.6
Std Dev 421.2


pull1D
Entries 53
Mean 0.005593
Std Dev 0.9728


asym_cav4bQ_rms vs run
χ^2 / ndf 90.41 / 52
p0 1.151 ± 0.001125
1.19
1.18
1.17
1.16
1.15
1.14
1.13
1.12
1.11
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4585. 1
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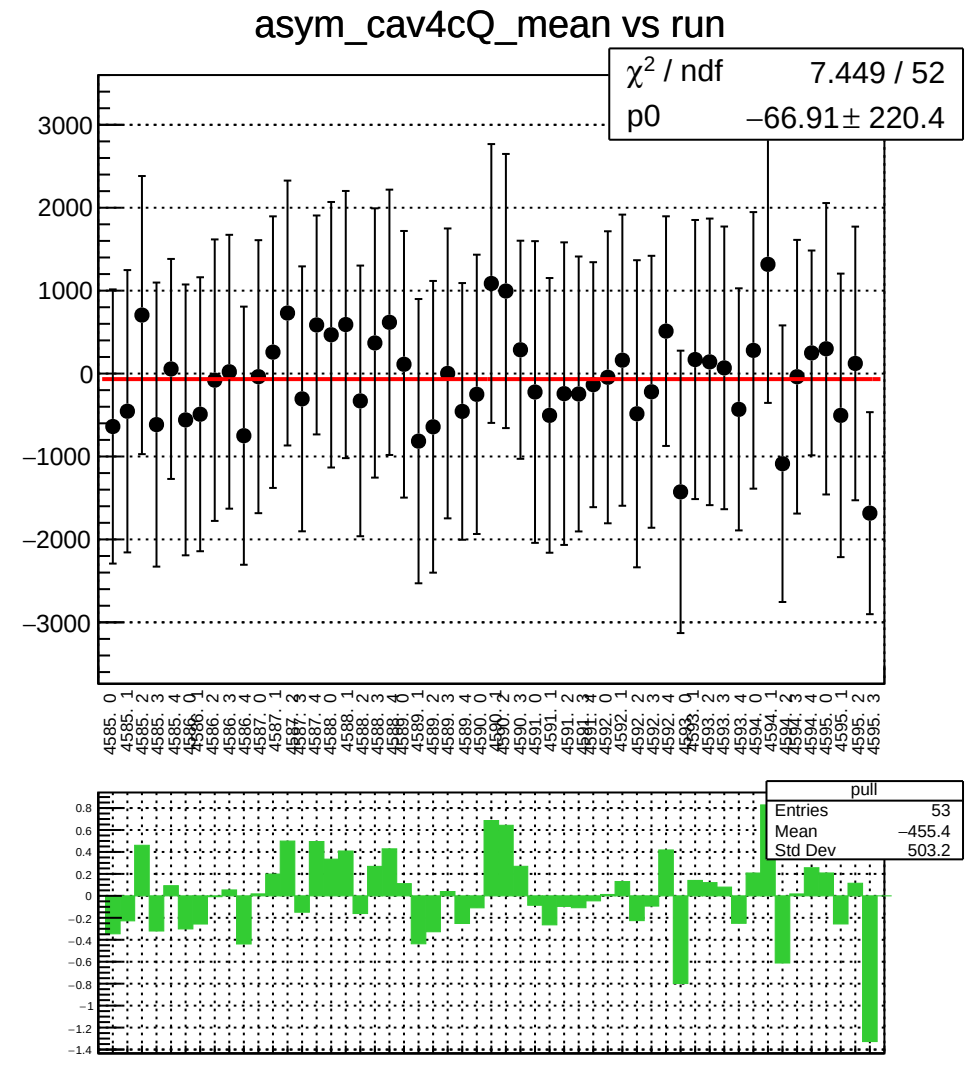
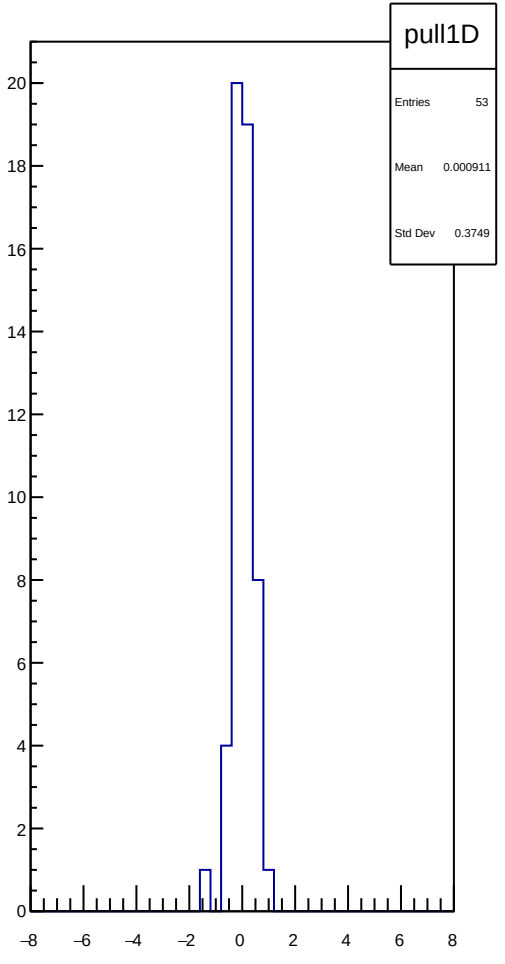
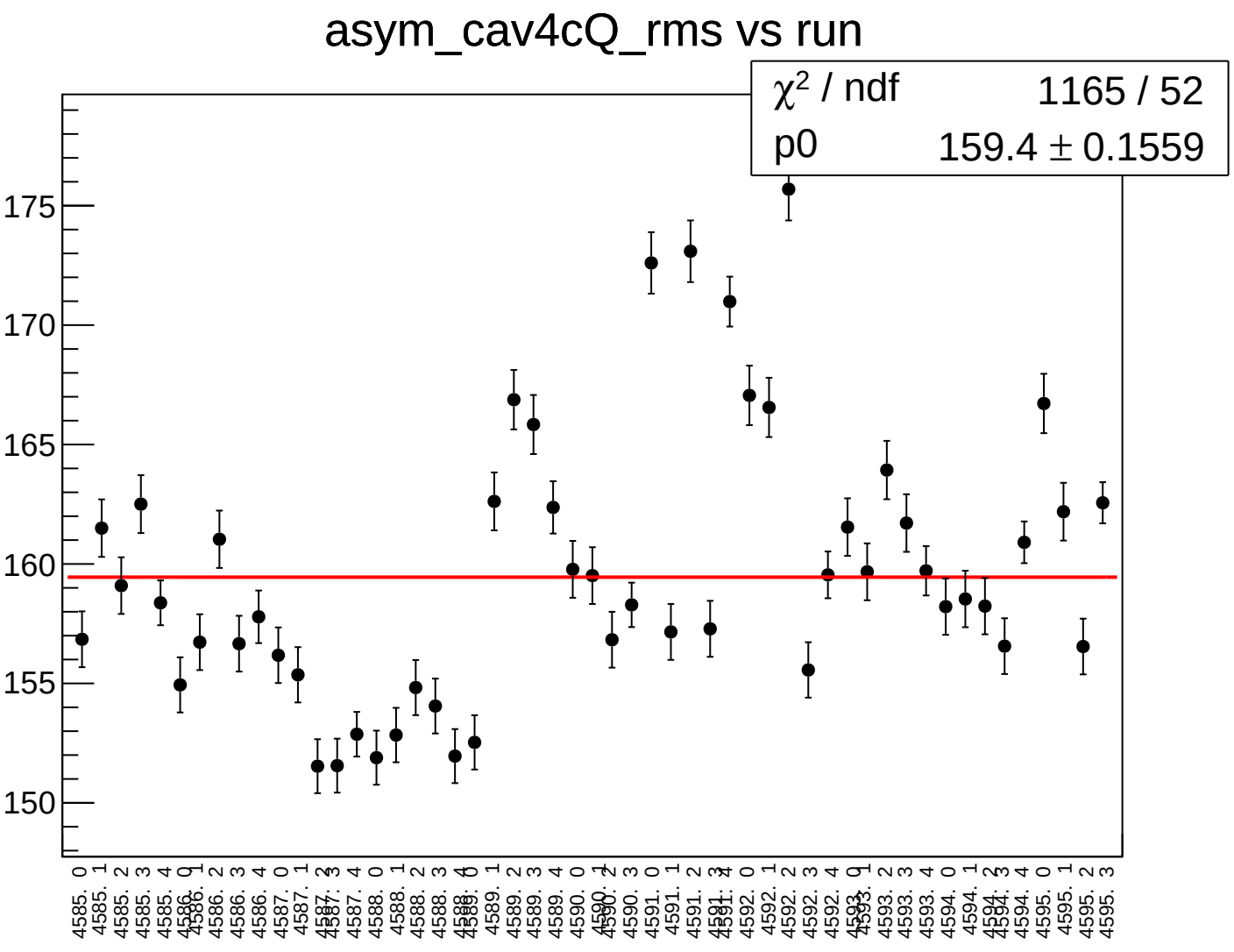
4595. 3


asym_cav4cQ_mean vs run
χ² / ndf 7.449 / 52
p0 −66.91 ± 220.4
pull
Entries 53
Mean −455.4
Std Dev 503.2


pull1D
Entries 53
Mean 0.000911
Std Dev 0.3749


asym_cav4cQ_rms vs run
χ² / ndf 1165 / 52
p0 159.4 ± 0.1559
175
170
165
160
155
150
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
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4587. 3
4587. 4
4588. 0
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4589. 4
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4592. 0
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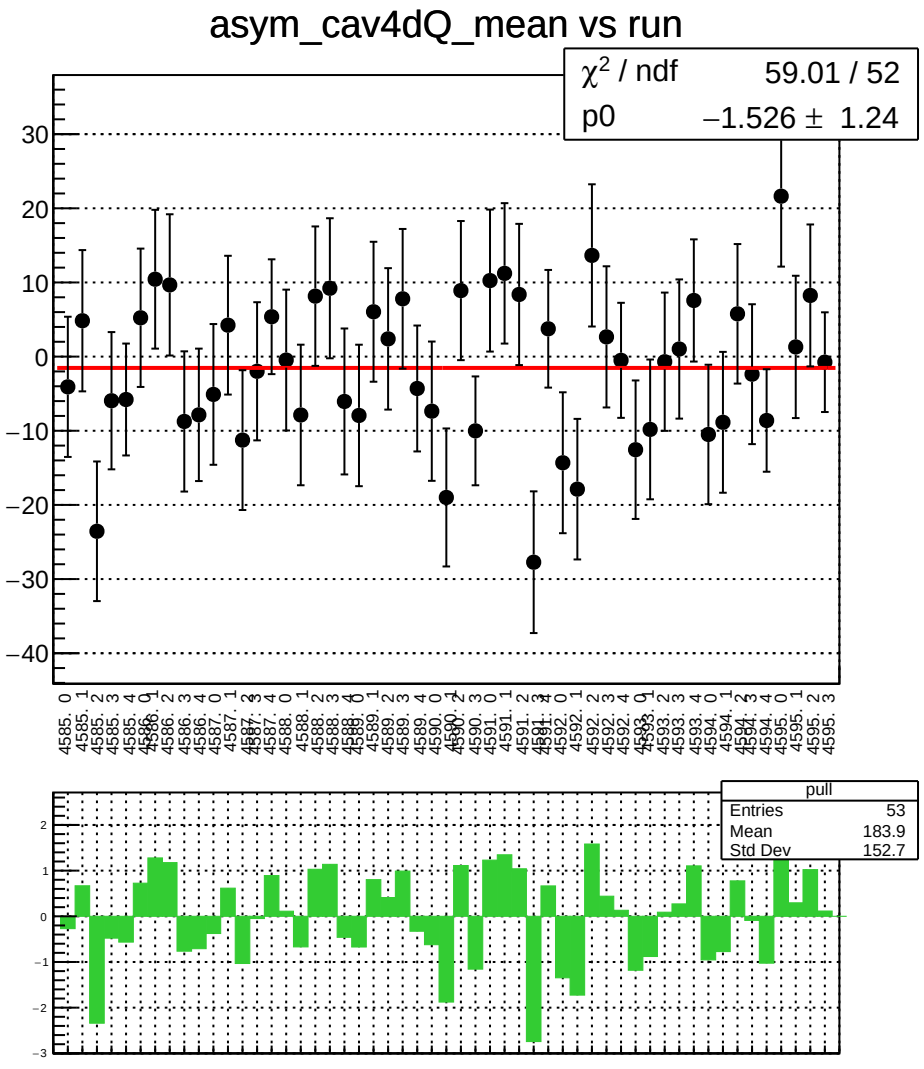
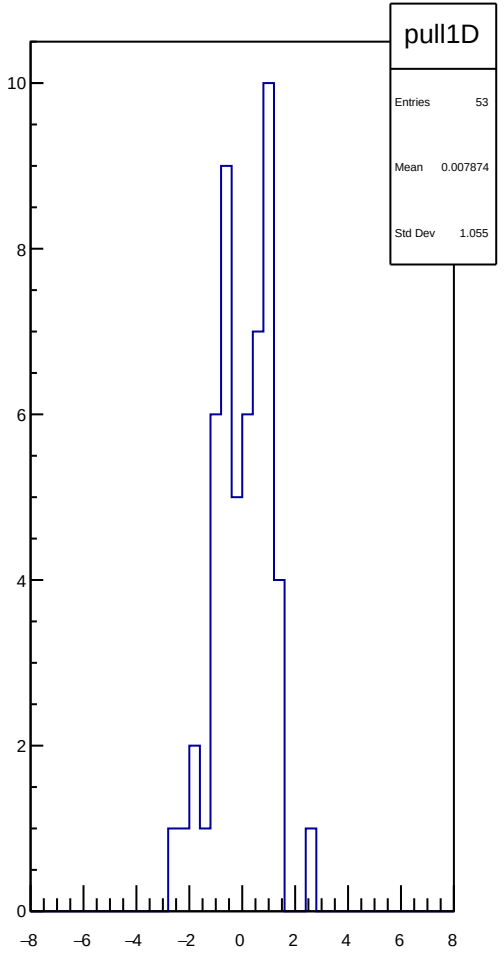
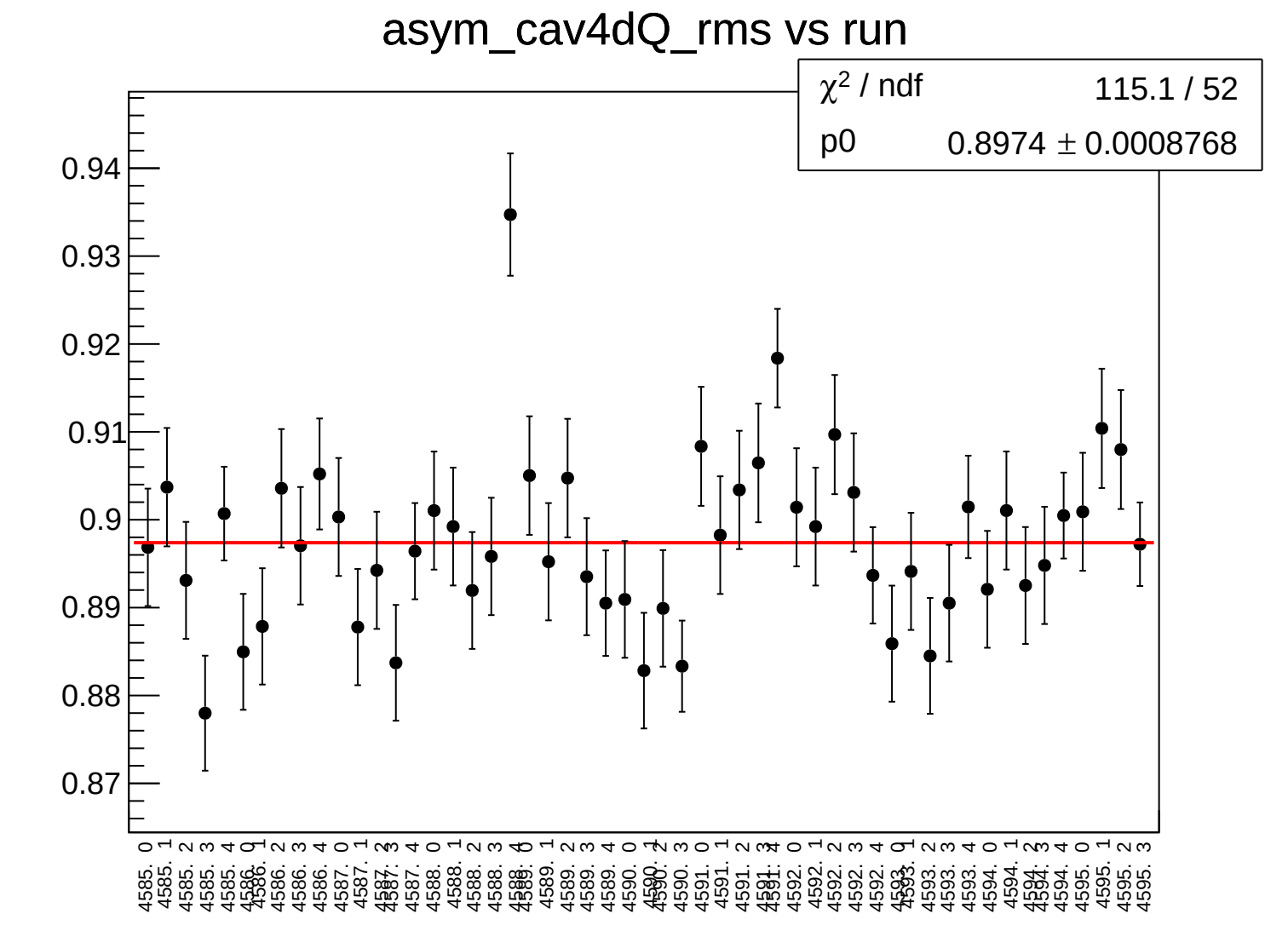
4595. 2
4595. 3


asym_cav4dQ_mean vs run
χ² / ndf 59.01 / 52
p0 −1.526 ± 1.24
pull
Entries 53
Mean 183.9
Std Dev 152.7


pull1D
Entries 53
Mean 0.007874
Std Dev 1.055


asym_cav4dQ_rms vs run
χ² / ndf 115.1 / 52
p0 0.8974 ± 0.0008768
0.94
0.93
0.92
0.91
0.9
0.89
0.88
0.87
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
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4587. 0
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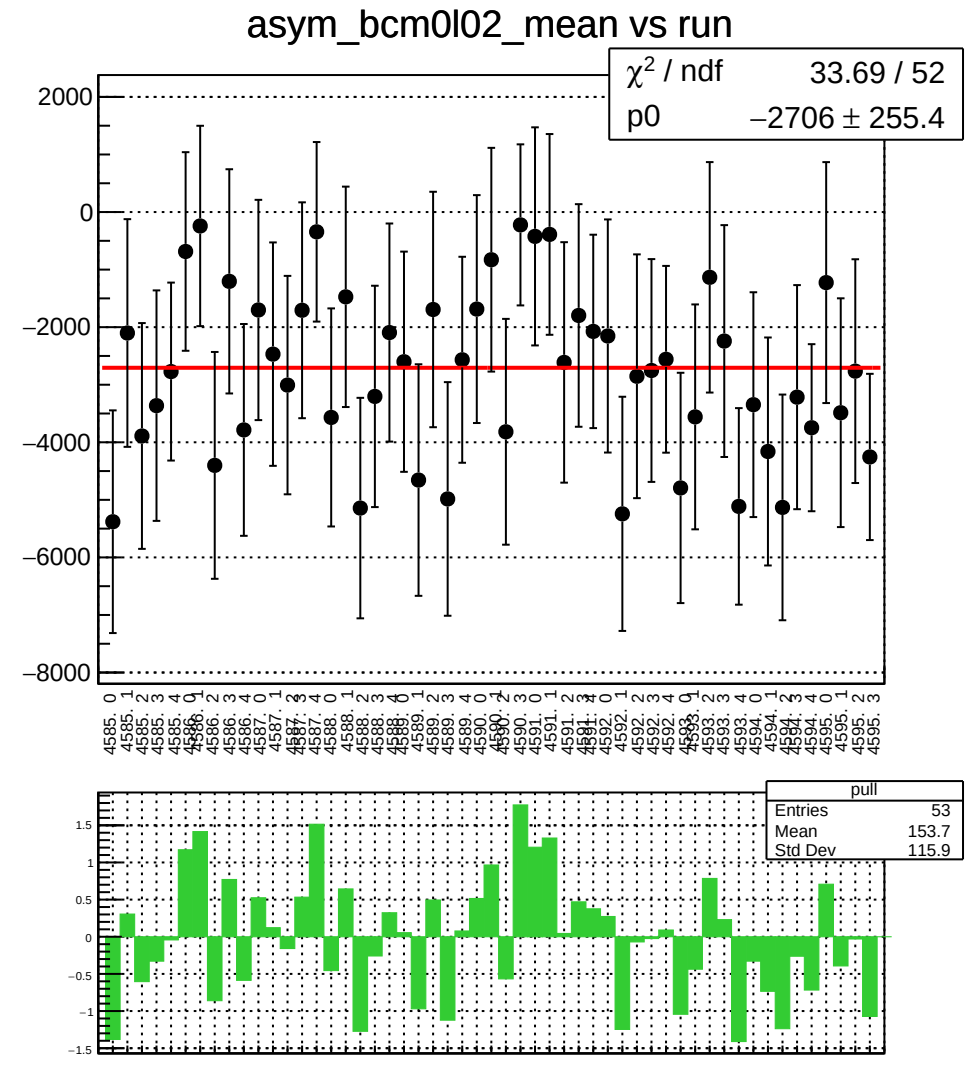
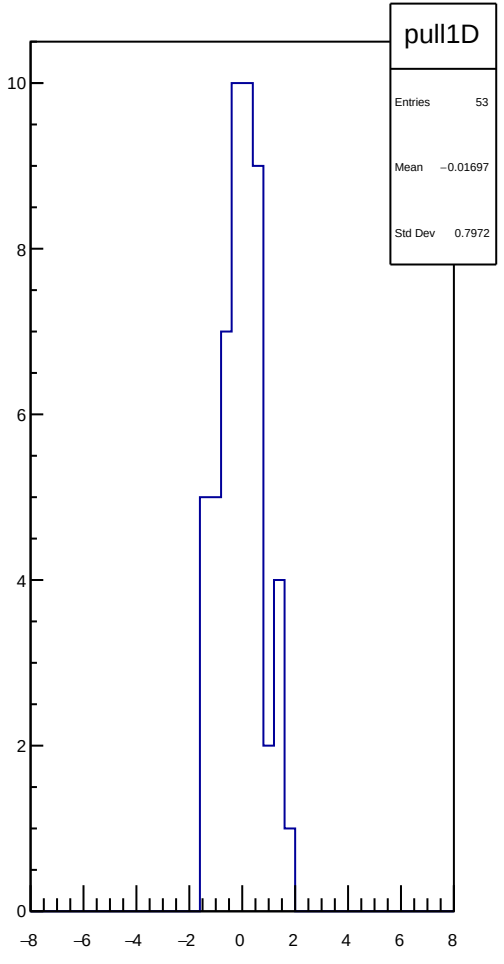
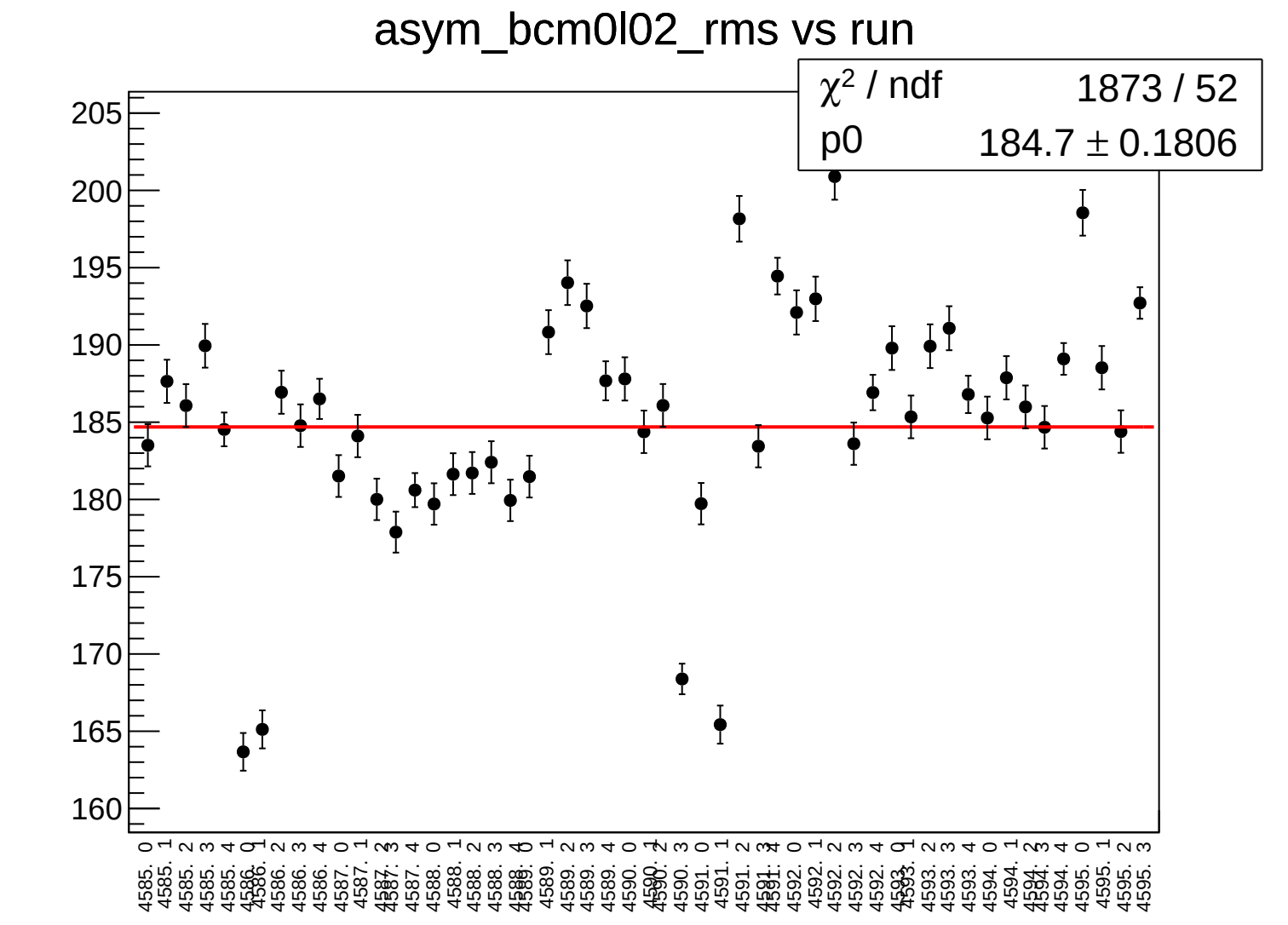
4595. 3


asym_bcm0l02_mean vs run
χ^2 / ndf 33.69 / 52
p0 −2706 ± 255.4
pull
Entries 53
Mean 153.7
Std Dev 115.9


pull1D
Entries 53
Mean −0.01697
Std Dev 0.7972


asym_bcm0l02_rms vs run
χ² / ndf 1873 / 52
p0 184.7 ± 0.1806
205
200
195
190
185
180
175
170
165
160
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
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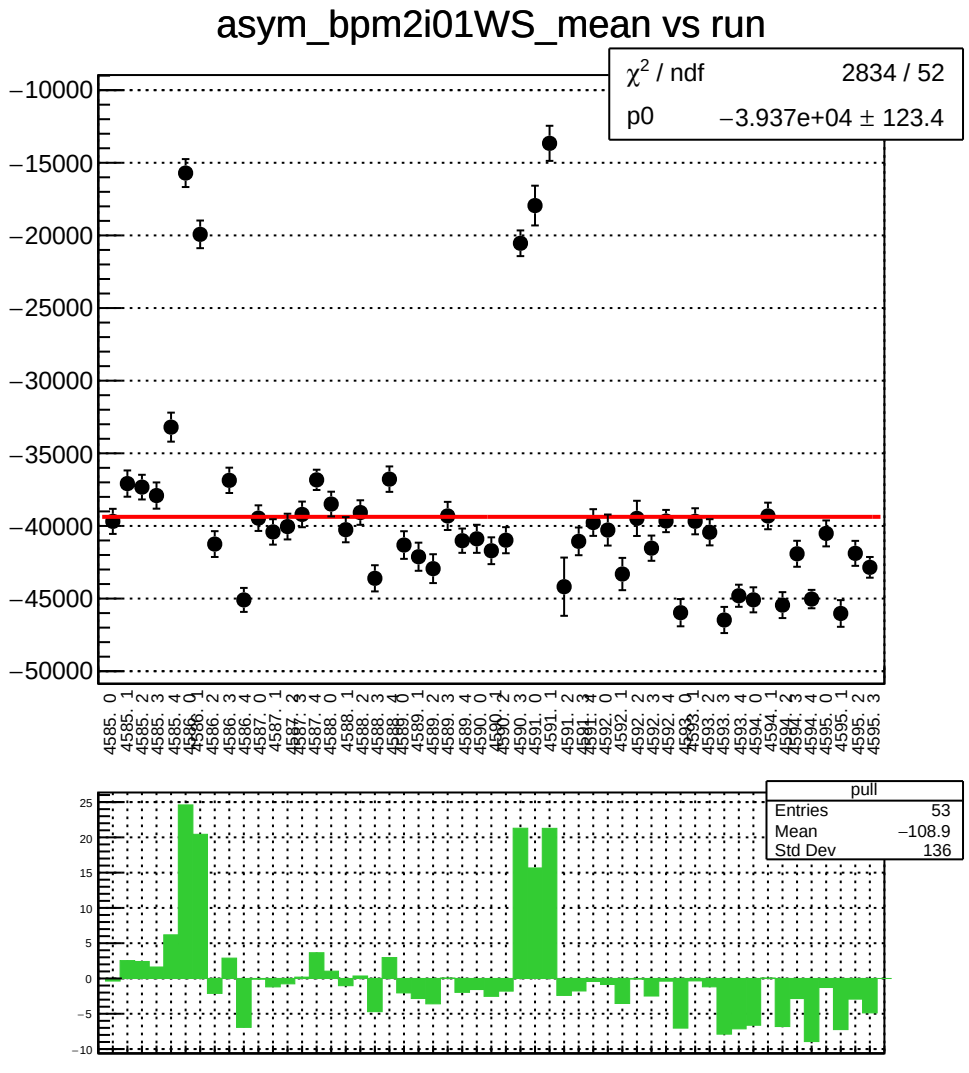
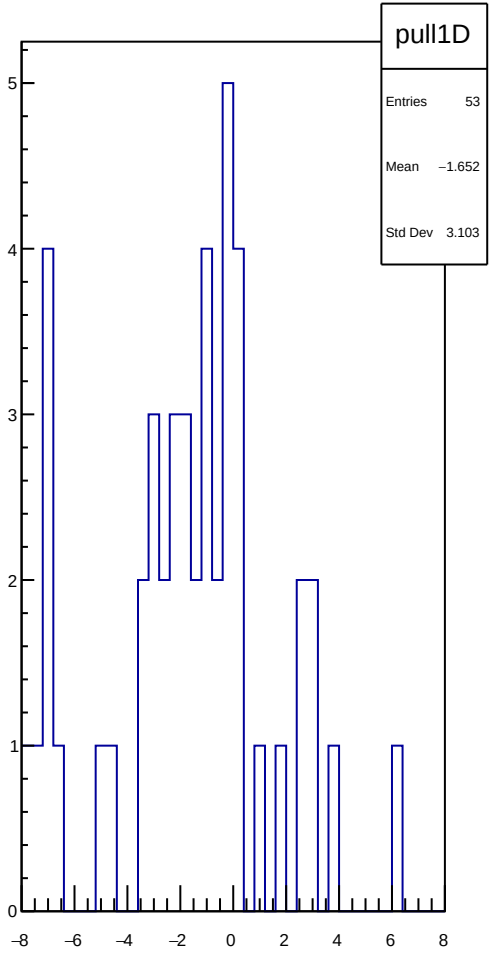
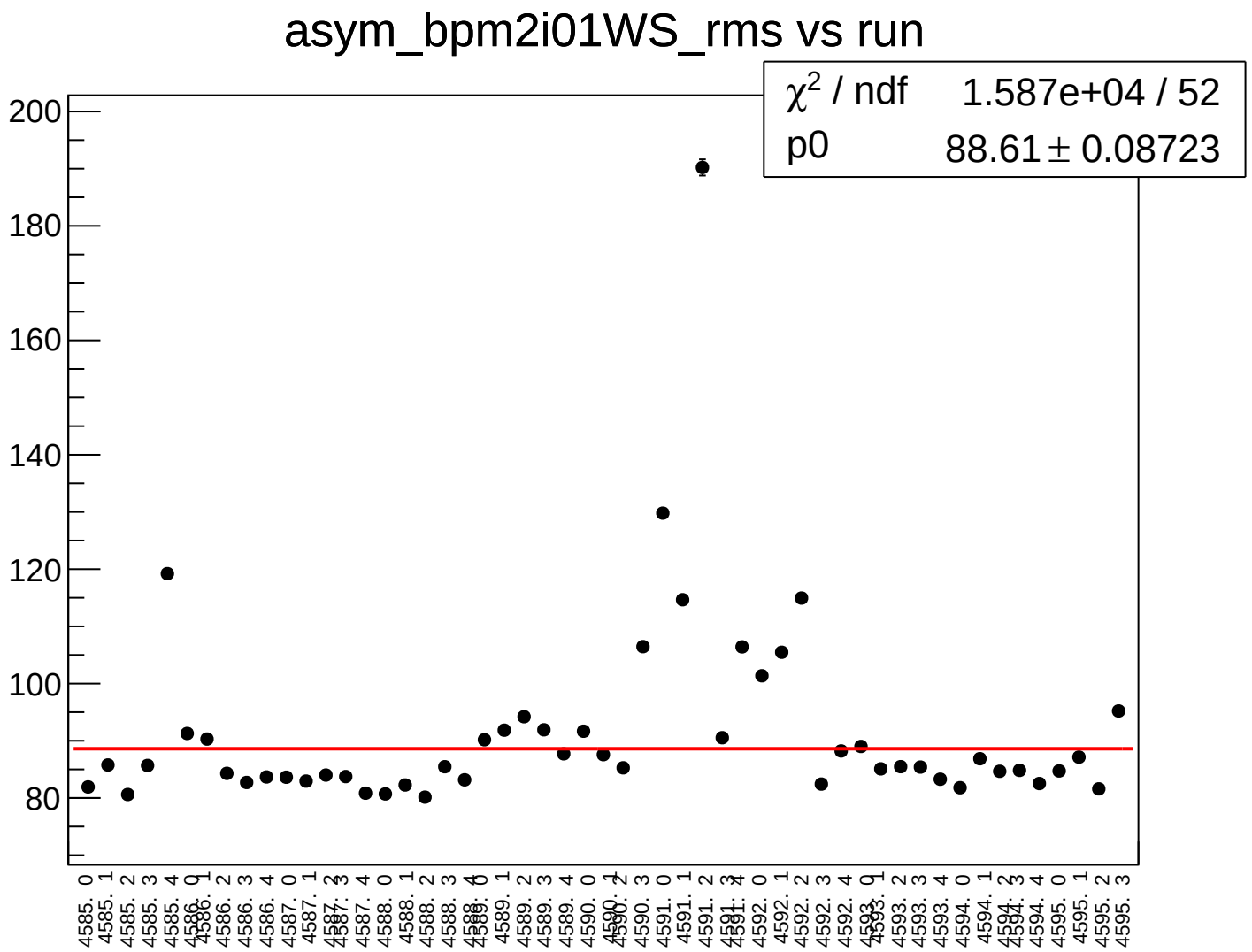

asym_bpm2i01WS_mean vs run
χ² / ndf 2834 / 52
p0 −3.937e+04 ± 123.4
pull
Entries 53
Mean −108.9
Std Dev 136


pull1D
Entries 53
Mean −1.652
Std Dev 3.103


asym_bpm2i01WS_rms vs run
χ^2 / ndf 1.587e+04 / 52
p0 88.61 ± 0.08723
200
180
160
140
120
100
80
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
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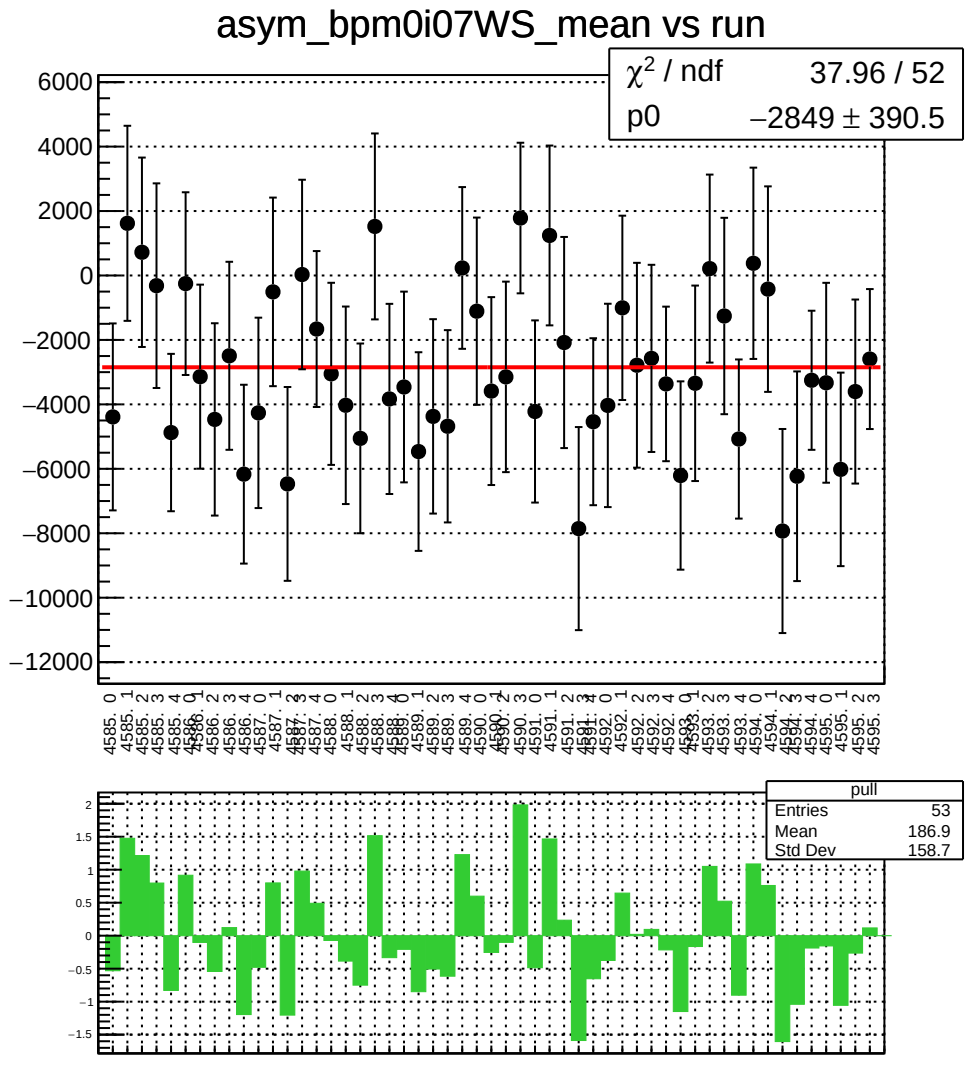
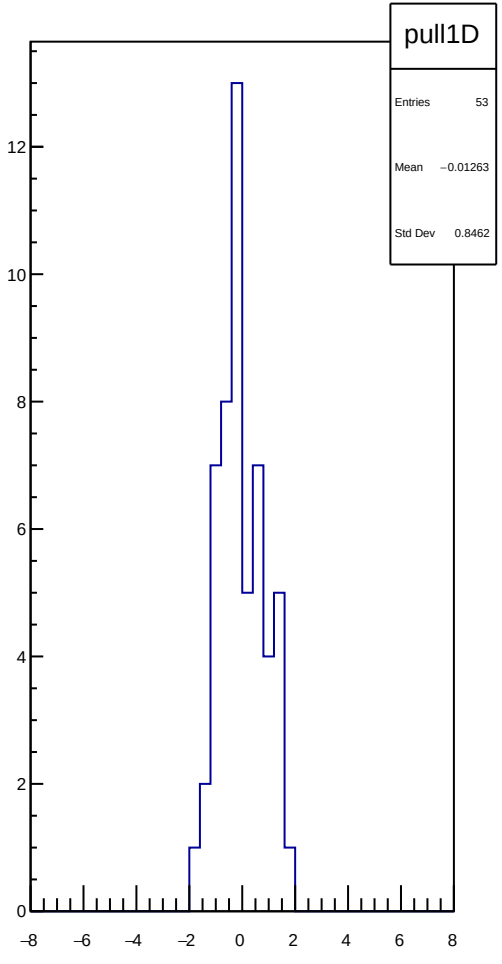
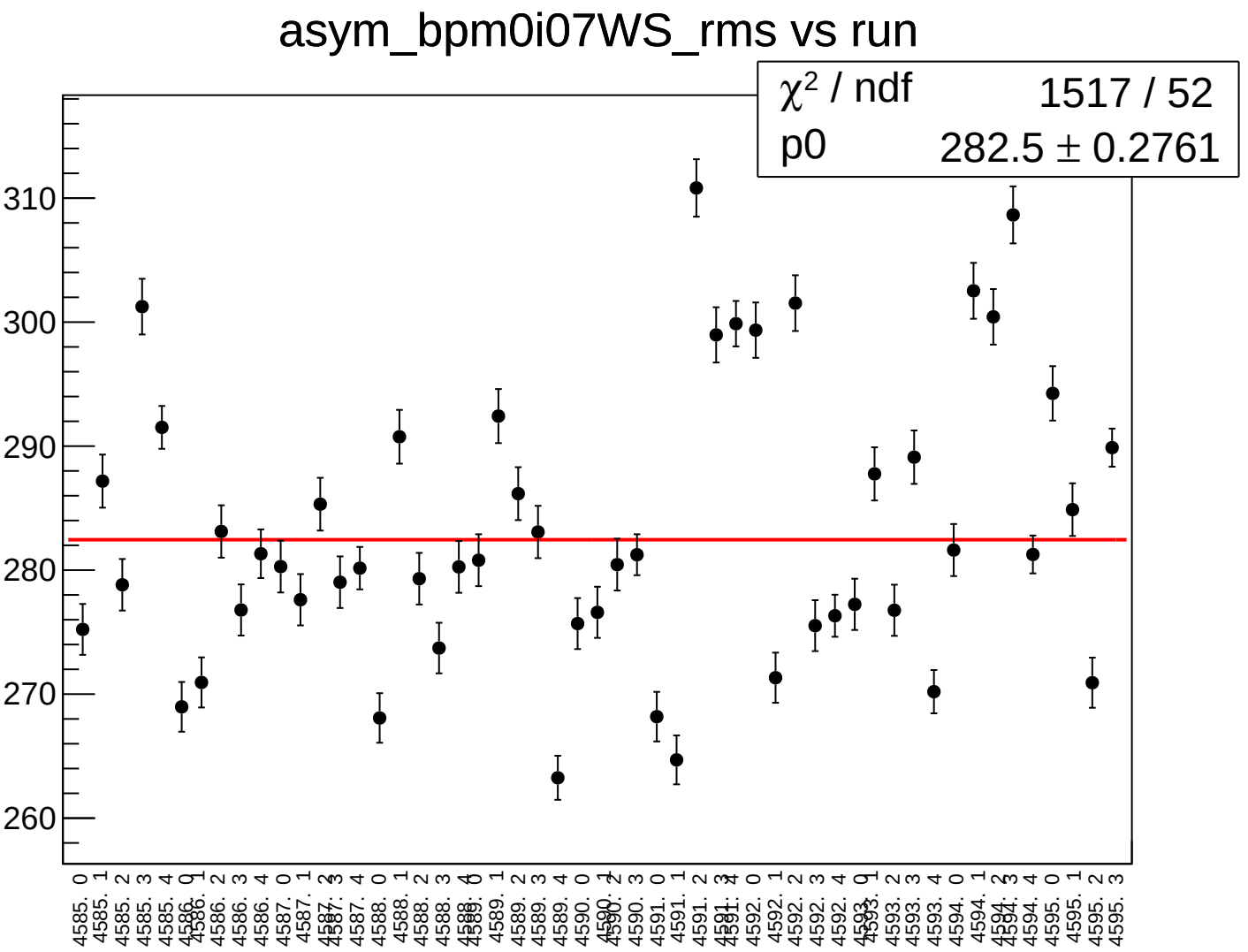
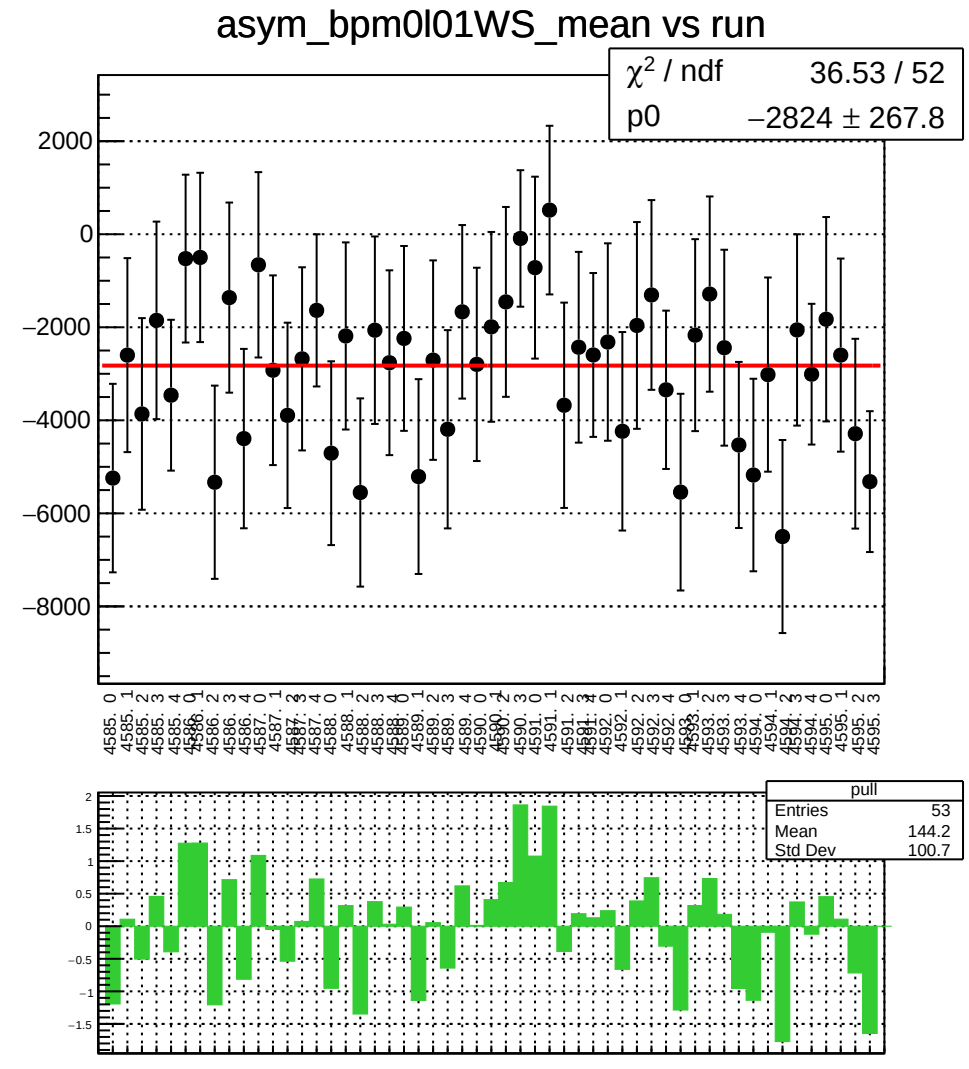
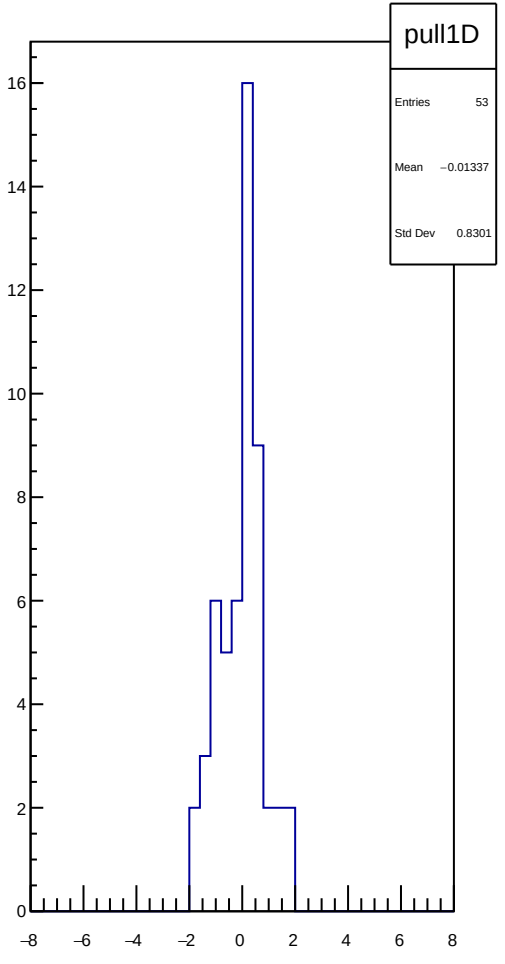
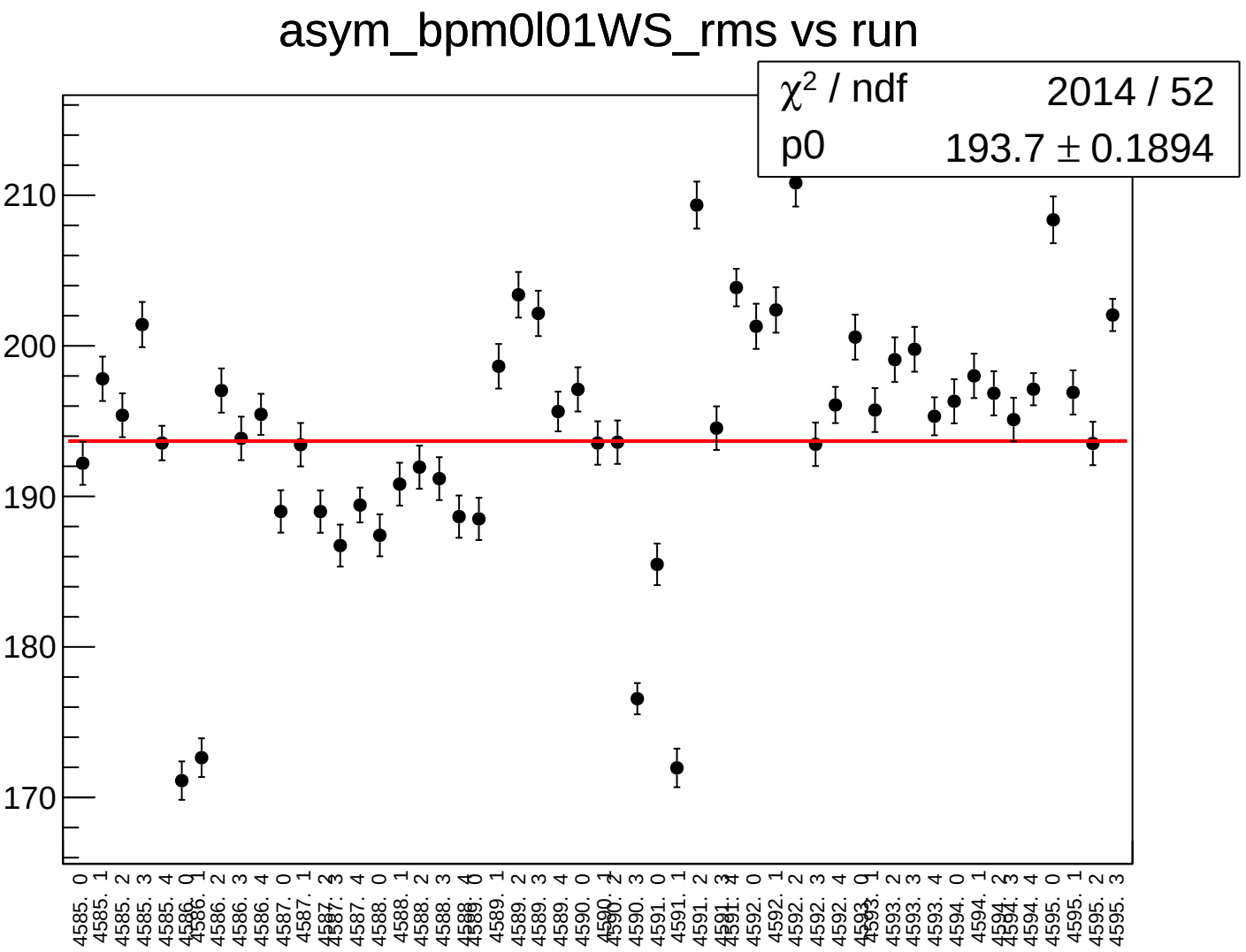

asym_bpm0i07WS_mean vs run
χ^2 / ndf 37.96 / 52
p0 −2849 ± 390.5
pull
Entries 53
Mean 186.9
Std Dev 158.7

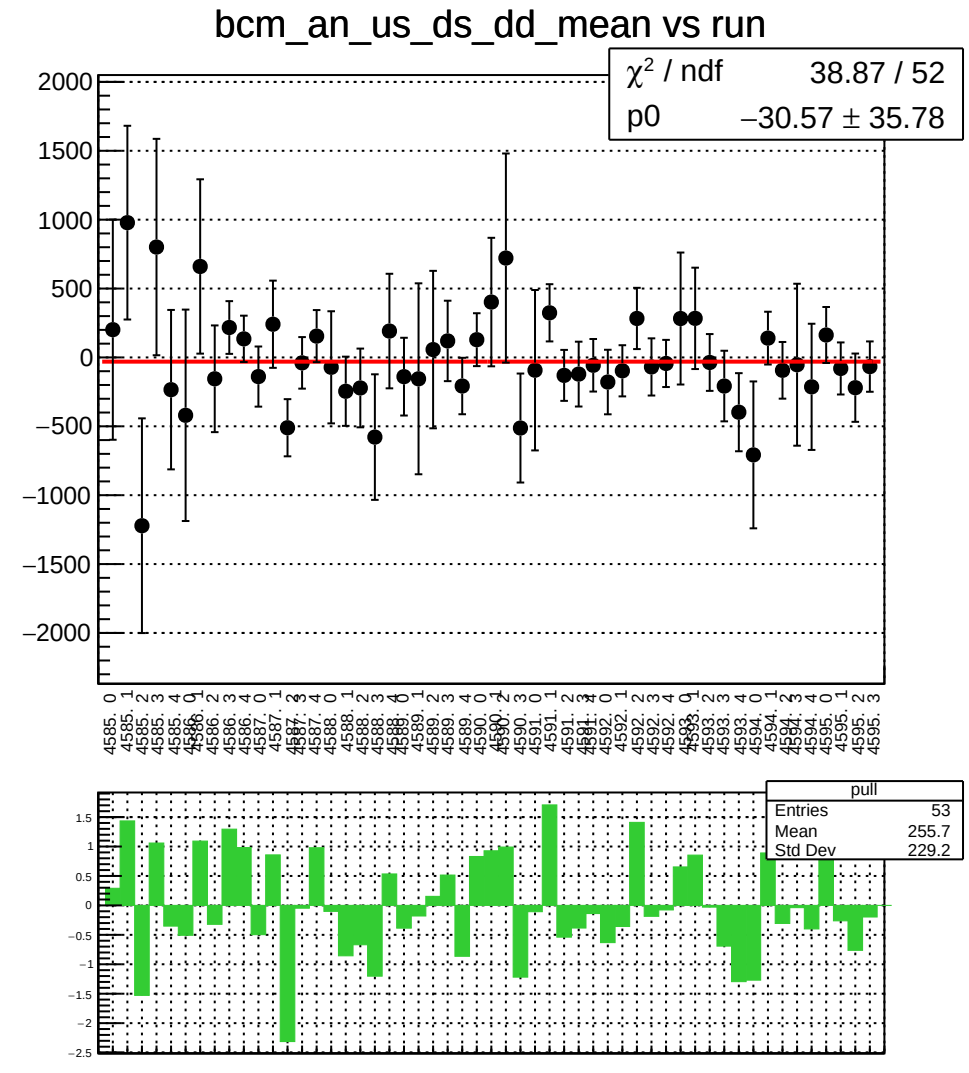

pull1D
Entries 53
Mean −0.01263
Std Dev 0.8462

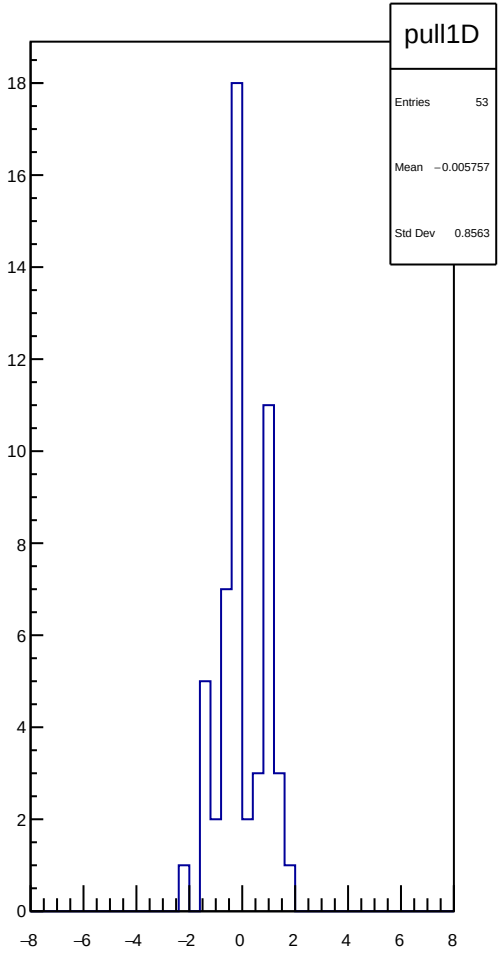

asym_bpm0i07WS_rms vs run
χ² / ndf 1517 / 52
p0 282.5 ± 0.2761
310
300
290
280
270
260
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

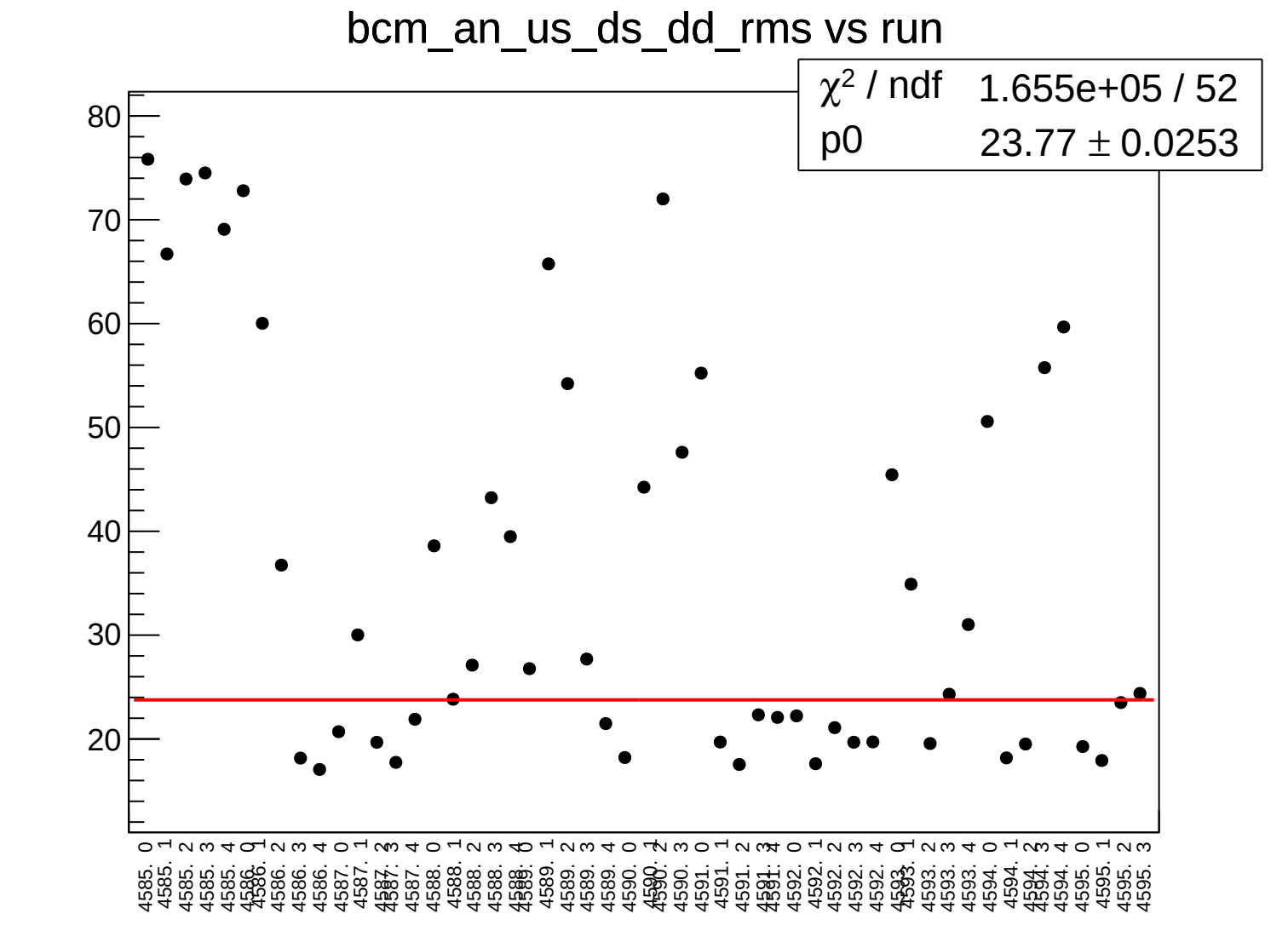

asym_bpm0l01WS_mean vs run
χ² / ndf 36.53 / 52
p0 −2824 ± 267.8
pull
Entries 53
Mean 144.2
Std Dev 100.7

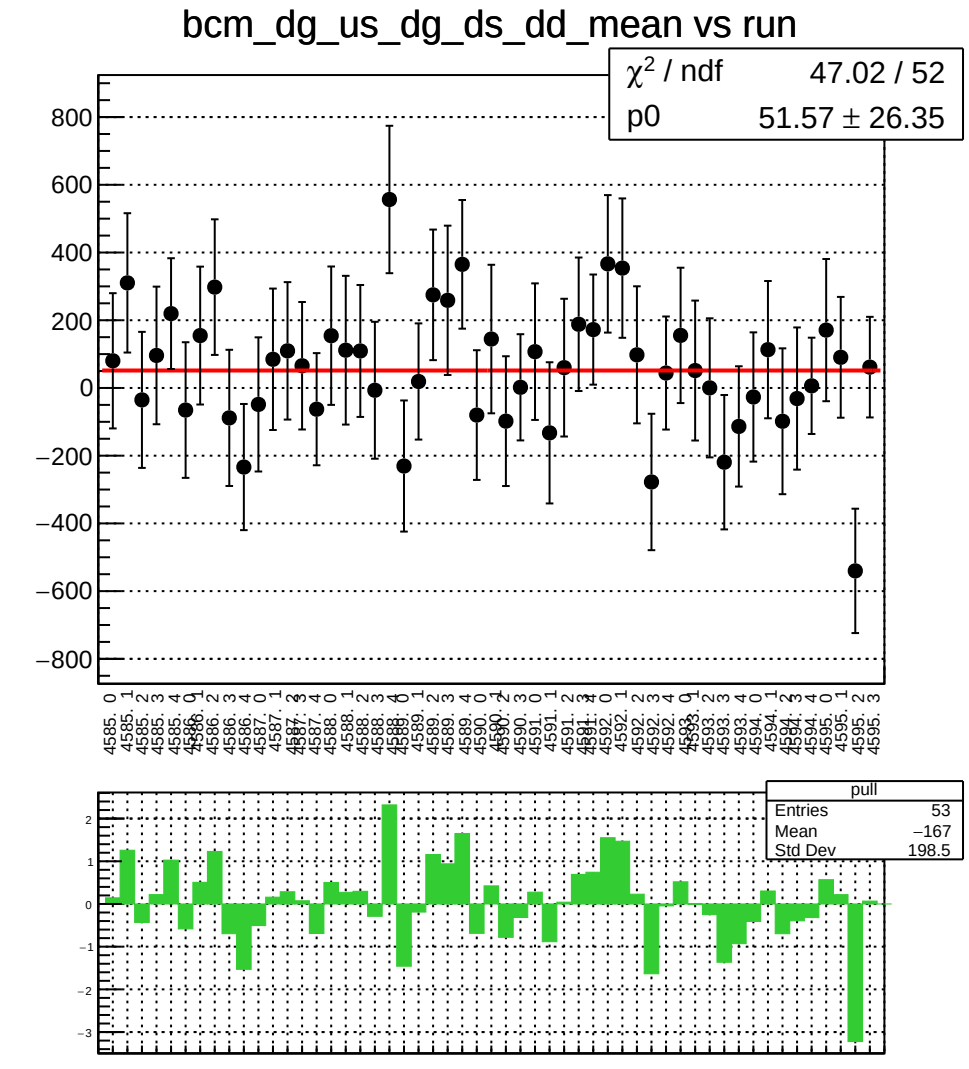

pull1D
Entries 53
Mean −0.01337
Std Dev 0.8301

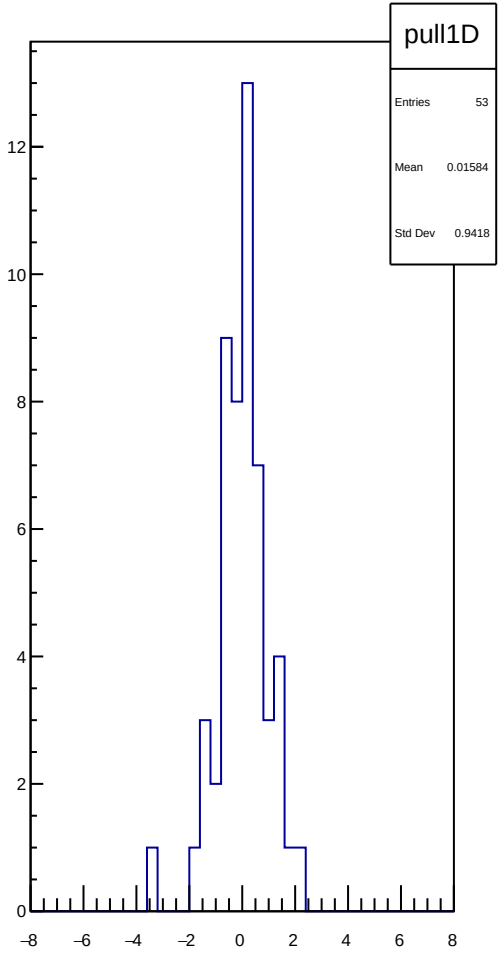

asym_bpm0l01WS_rms vs run
χ² / ndf 2014 / 52
p0 193.7 ± 0.1894
210
200
190
180
170
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

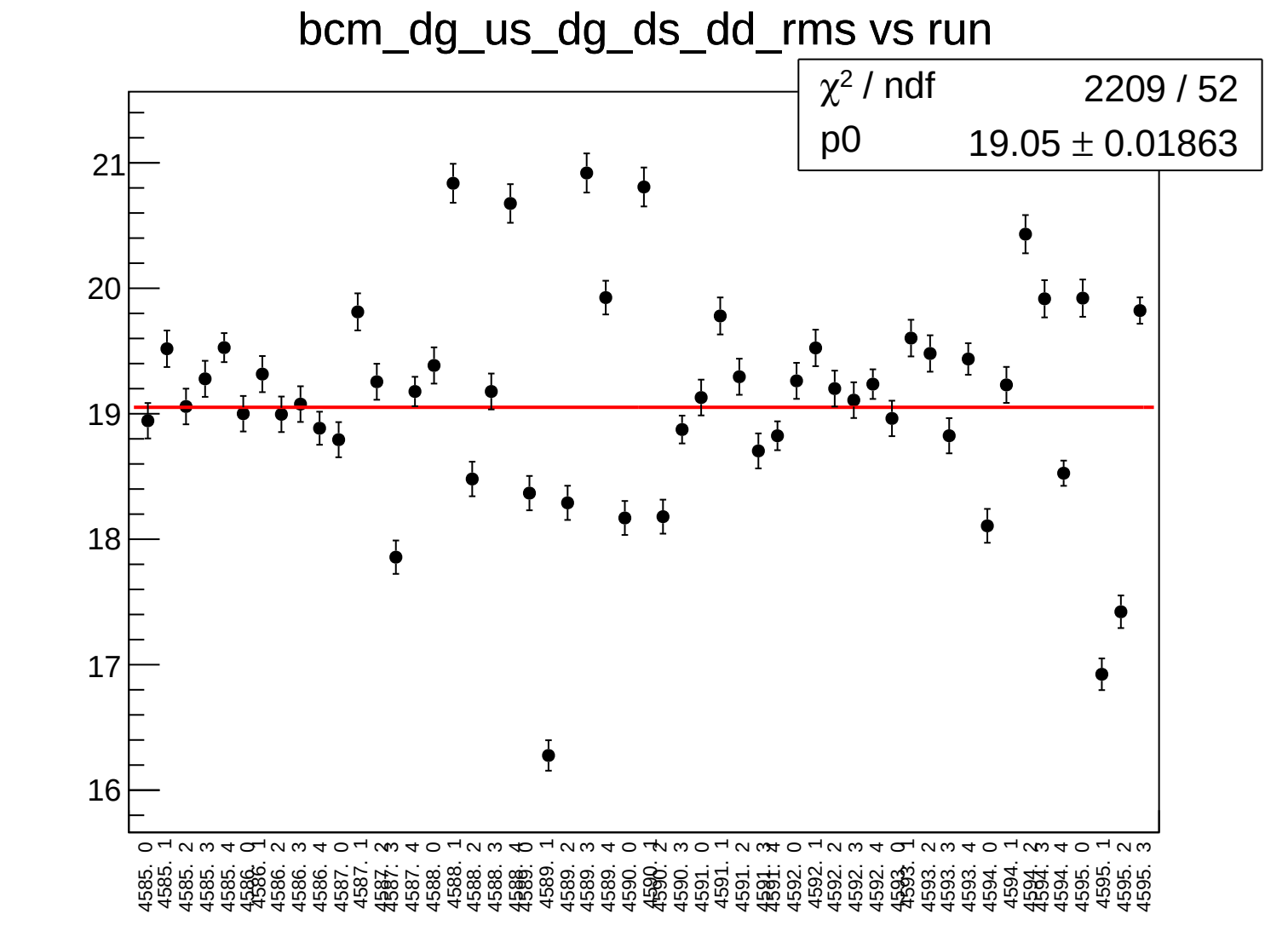

bcm_an_us_ds_dd_mean vs run
χ² / ndf 38.87 / 52
p0 −30.57 ± 35.78
pull
Entries 53
Mean 255.7
Std Dev 229.2

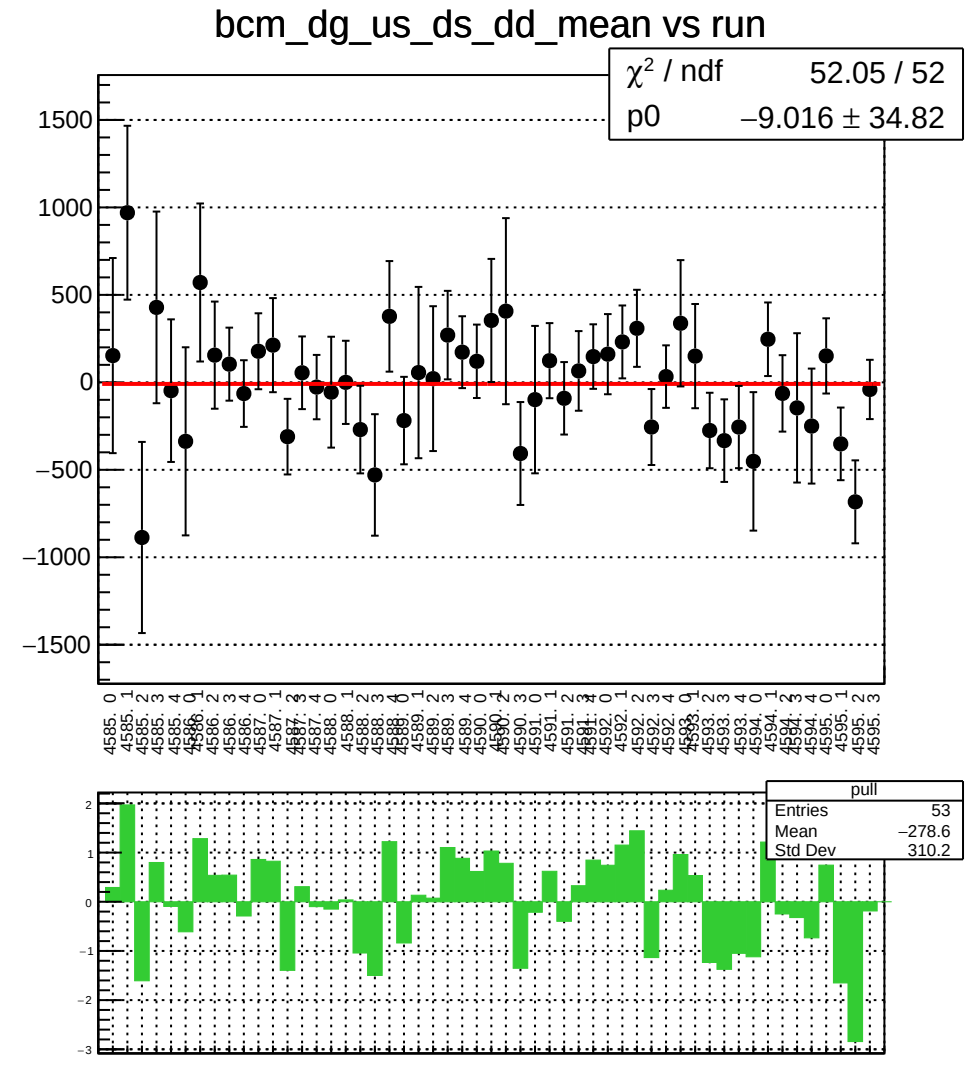

pull1D
Entries 53
Mean −0.005757
Std Dev 0.8563

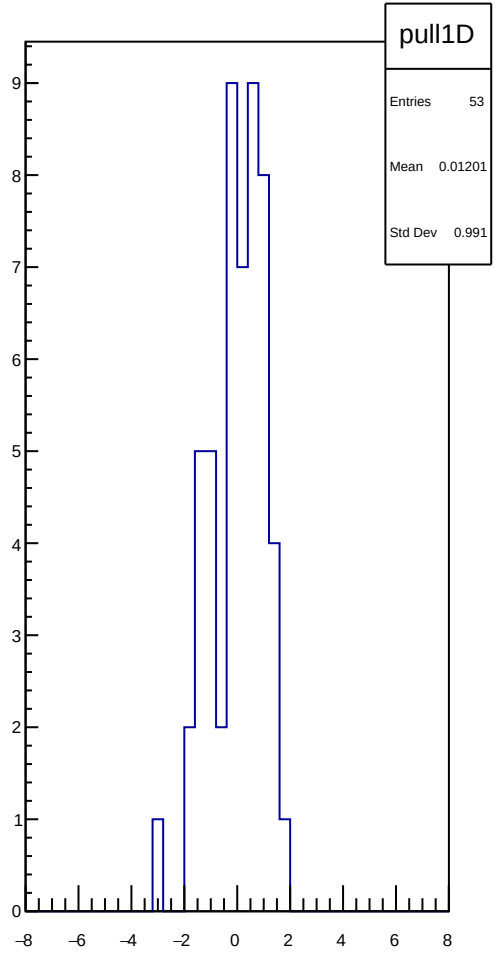

bcm_an_us_ds_dd_rms vs run
χ² / ndf 1.655e+05 / 52
p0 23.77 ± 0.0253
80
70
60
50
40
30
20
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

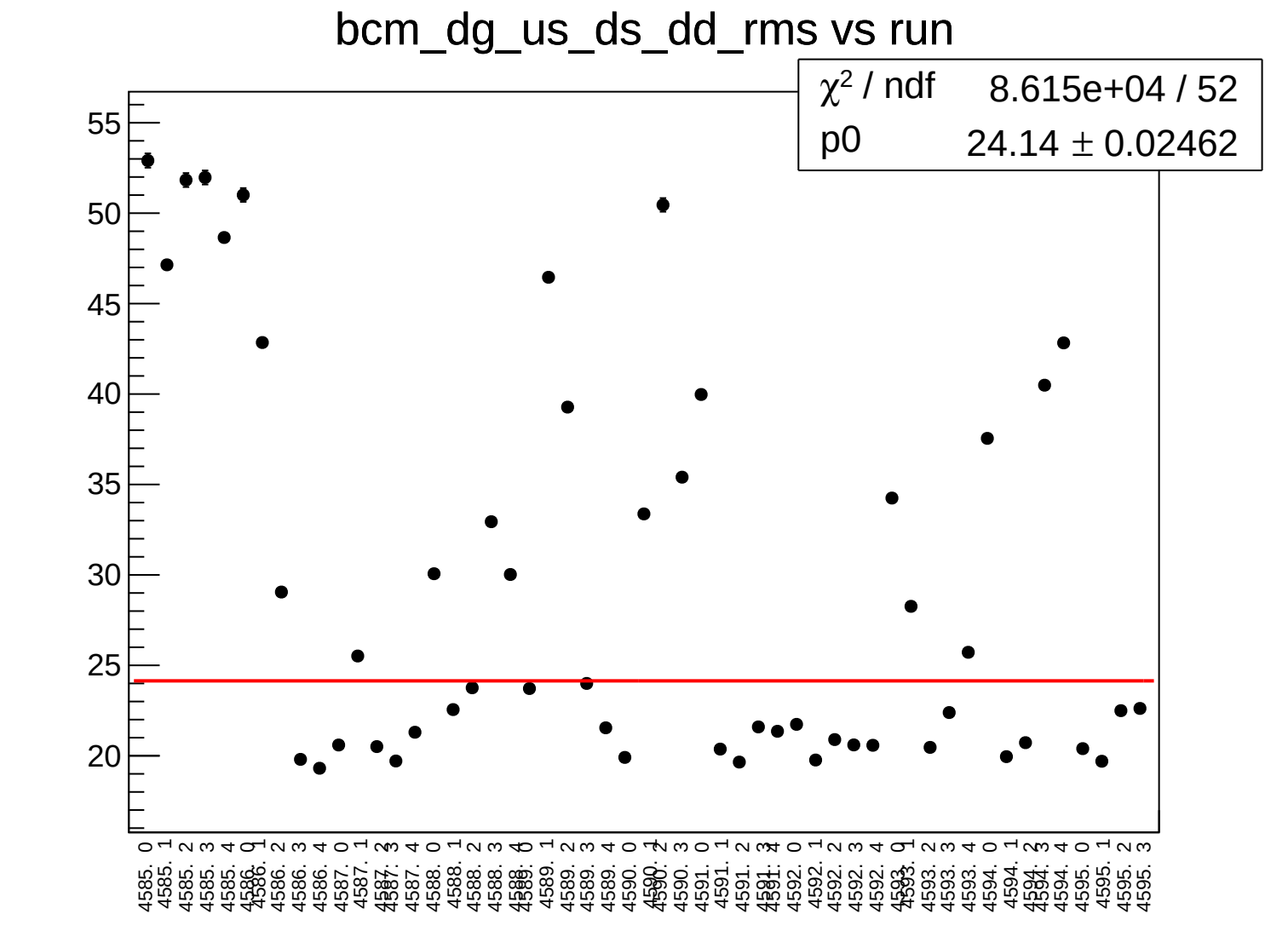

bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 47.02 / 52
p0 51.57 ± 26.35
pull
Entries 53
Mean −167
Std Dev 198.5

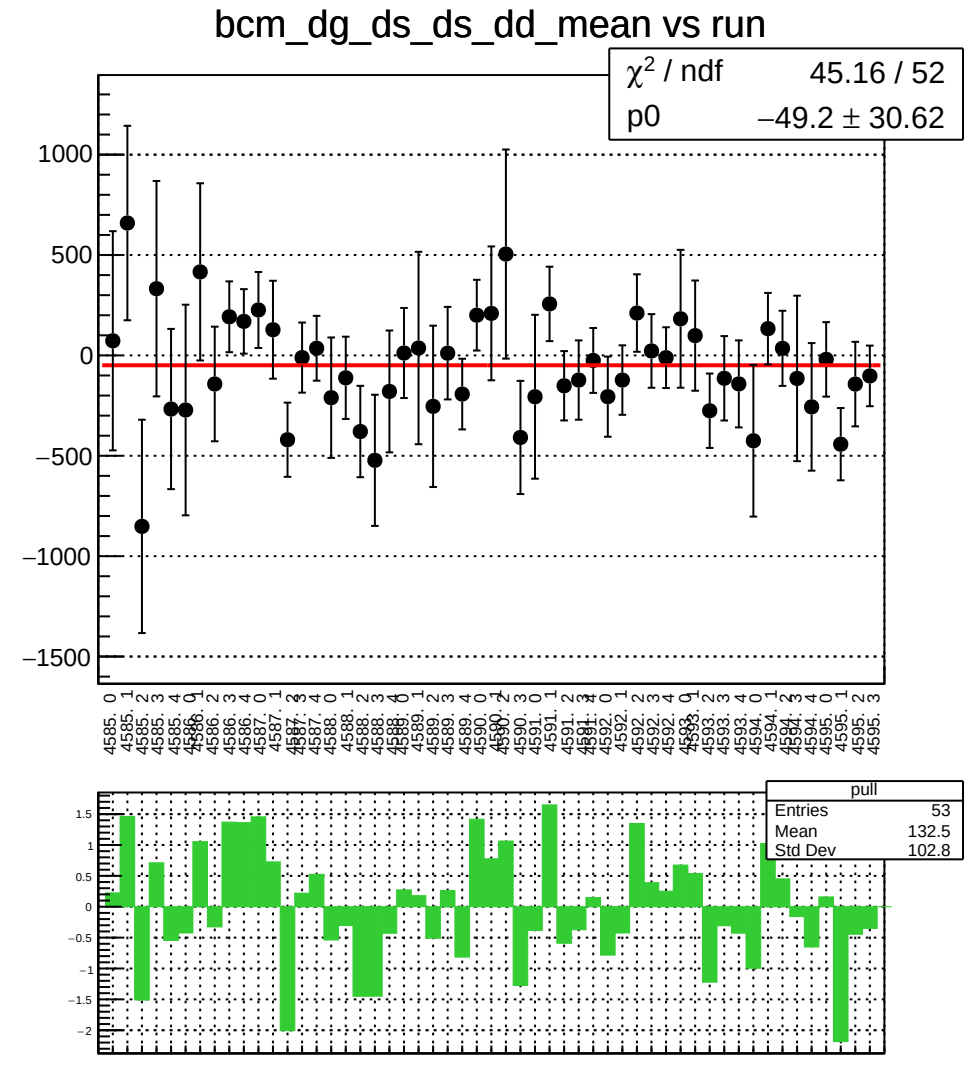

pull1D
Entries 53
Mean 0.01584
Std Dev 0.9418

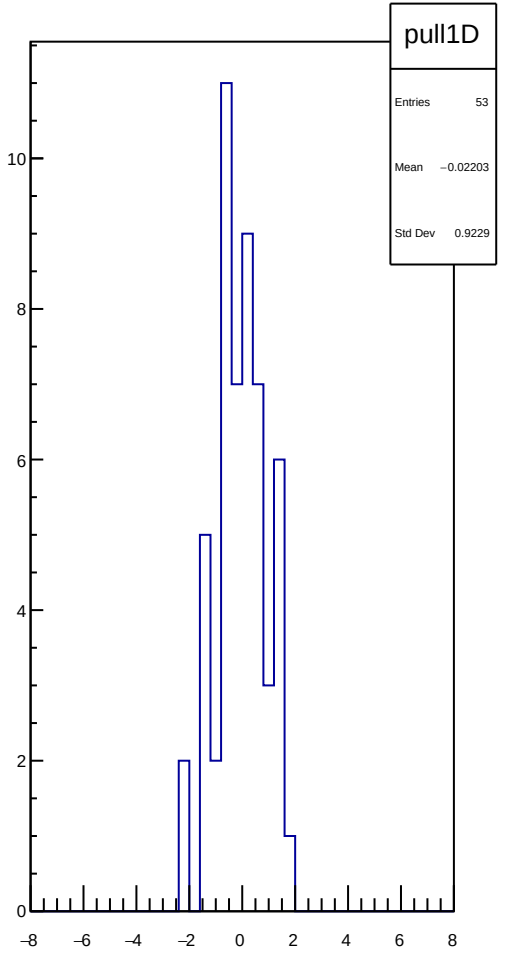

bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 2209 / 52
p0 19.05 ± 0.01863
21
20
19
18
17
16
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

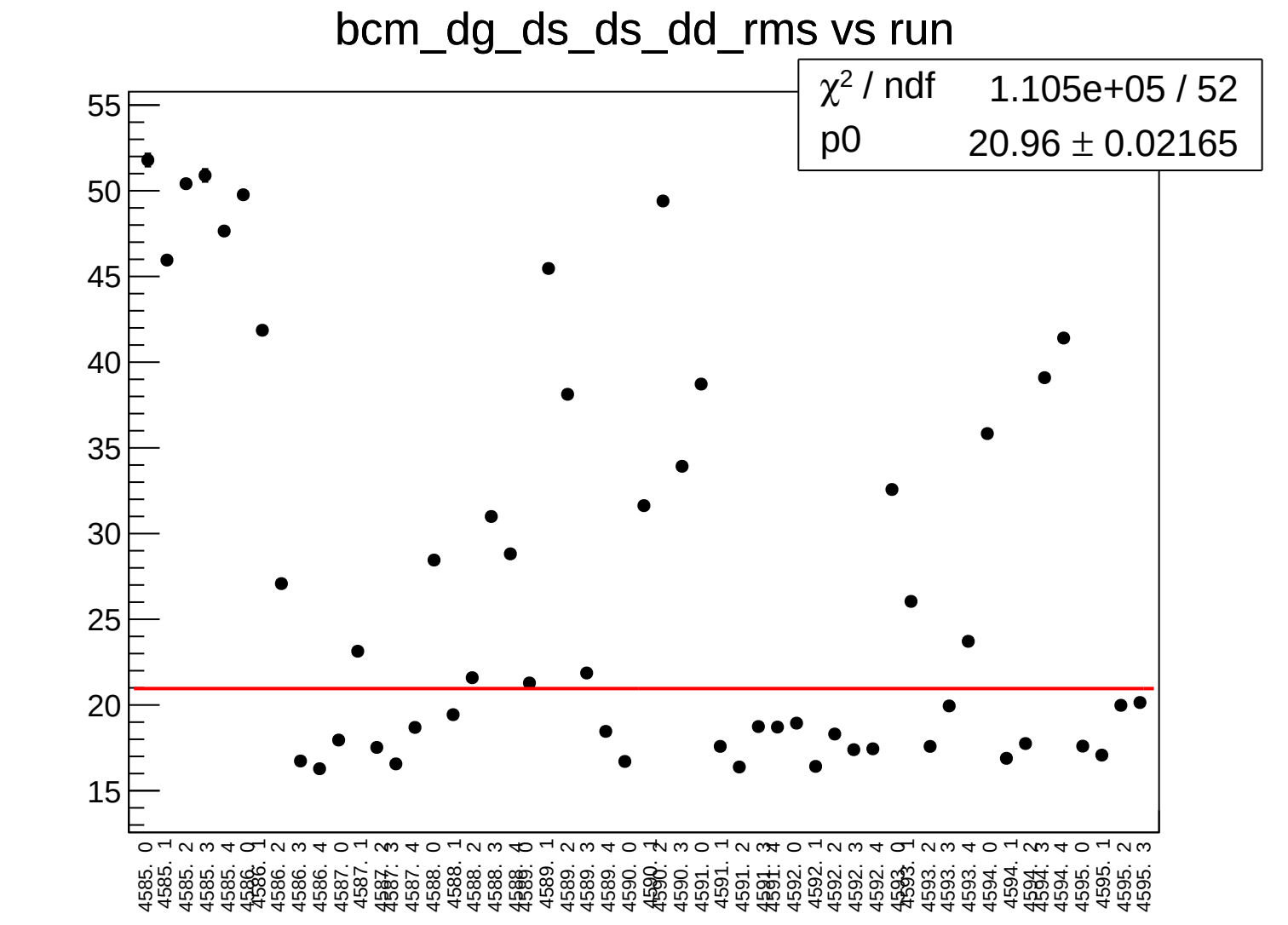

bcm_dg_us_ds_dd_mean vs run
χ² / ndf 52.05 / 52
p0 −9.016 ± 34.82
pull
Entries 53
Mean −278.6
Std Dev 310.2

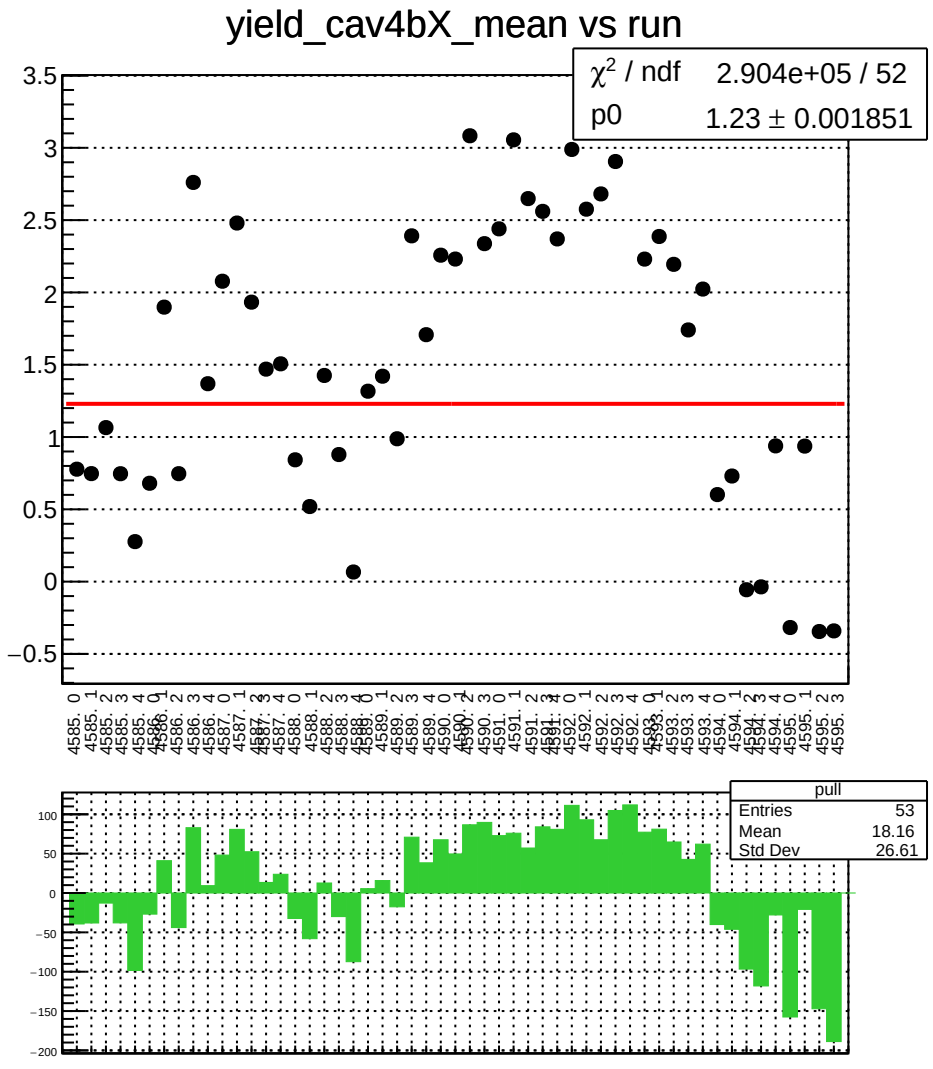

pull1D
Entries 53
Mean 0.01201
Std Dev 0.991

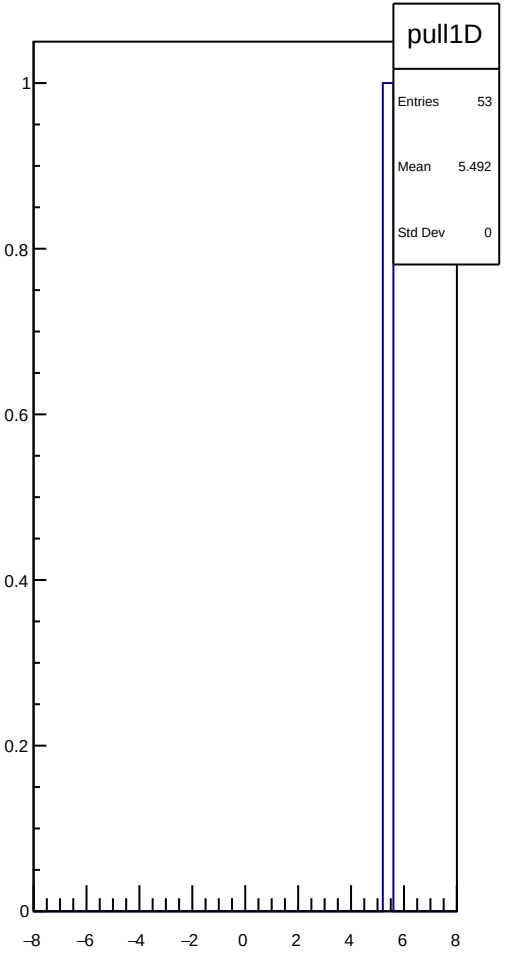

bcm_dg_us_ds_dd_rms vs run
χ² / ndf 8.615e+04 / 52
p0 24.14 ± 0.02462
55
50
45
40
35
30
25
20
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

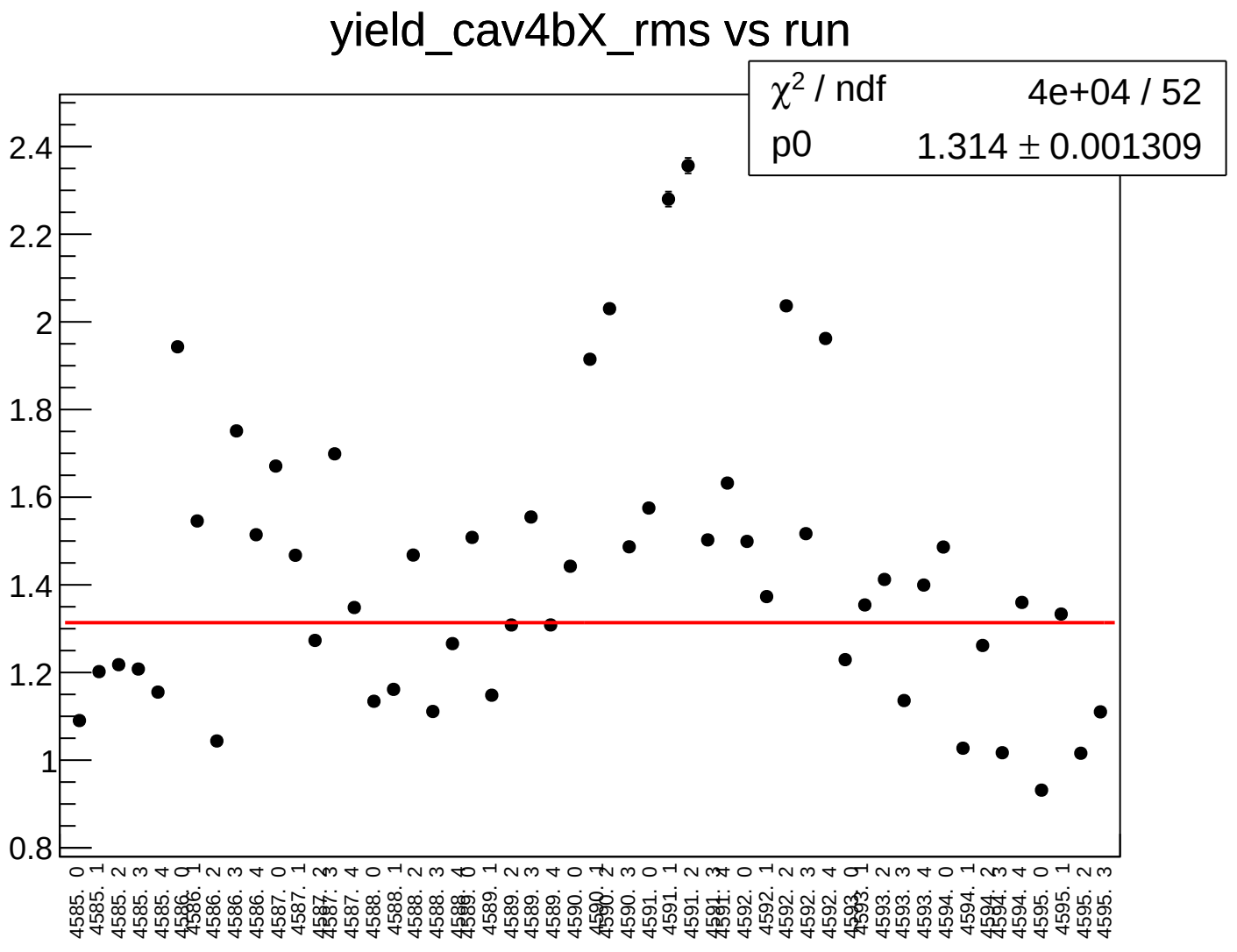

bcm_dg_ds_ds_dd_mean vs run
χ² / ndf 45.16 / 52
p0 −49.2 ± 30.62
1000
500
0
−500
−1000
−1500
pull
Entries 53
Mean 132.5
Std Dev 102.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

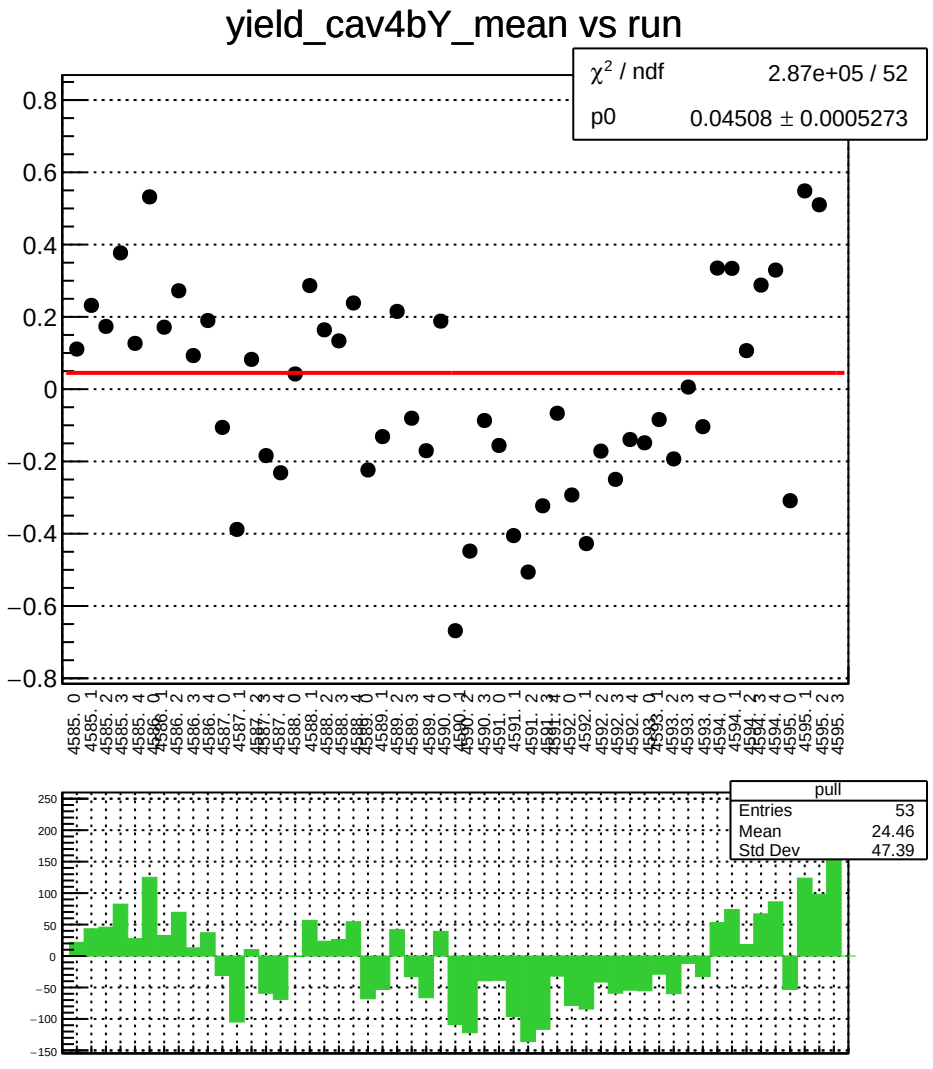

pull1D
Entries 53
Mean −0.02203
Std Dev 0.9229
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

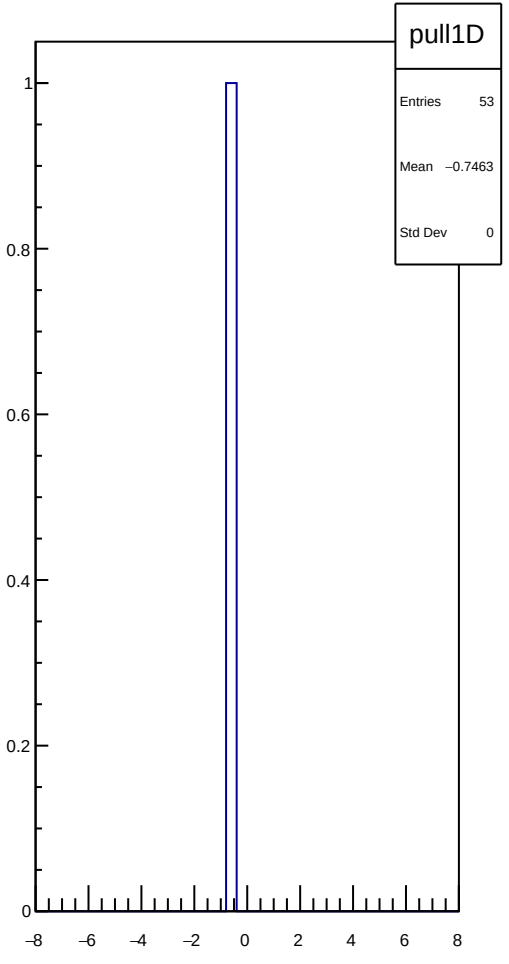

bcm_dg_ds_ds_dd_rms vs run
χ² / ndf 1.105e+05 / 52
p0 20.96 ± 0.02165
55
50
45
40
35
30
25
20
15
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4588. 0
4588. 1
4588. 2
4588. 3
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4592. 0
4592. 2
4592. 3
4592. 4
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

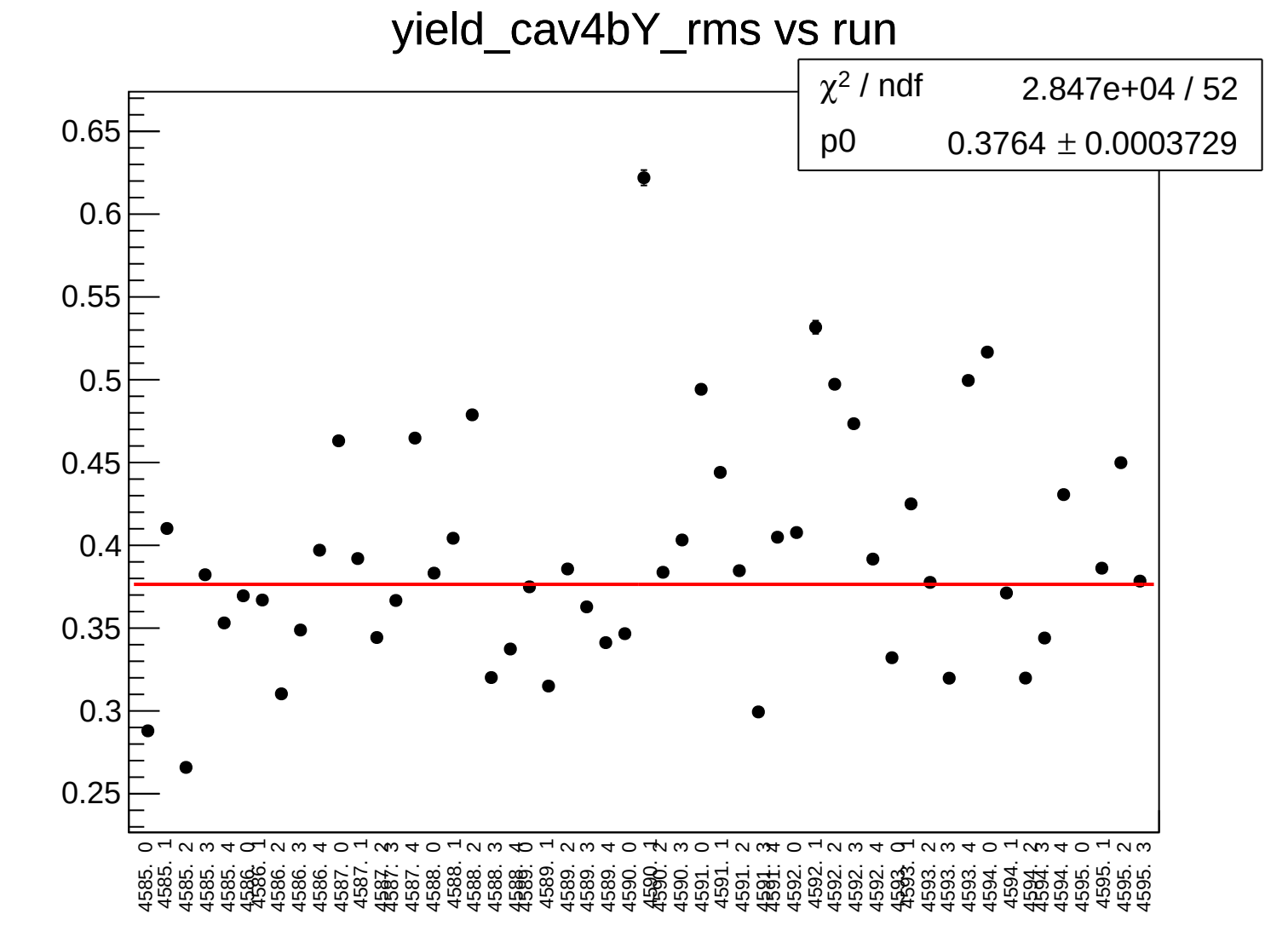

yield_cav4bX_mean vs run
χ² / ndf 2.904e+05 / 52
p0 1.23 ± 0.001851
pull
Entries 53
Mean 18.16
Std Dev 26.61


pull1D
Entries 53
Mean 5.492
Std Dev 0


yield_cav4bX_rms vs run
χ² / ndf 4e+04 / 52
p0 1.314 ± 0.001309
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


yield_cav4bY_mean vs run
χ² / ndf 2.87e+05 / 52
p0 0.04508 ± 0.0005273
pull
Entries 53
Mean 24.46
Std Dev 47.39


pull1D
Entries 53
Mean −0.7463
Std Dev 0


yield_cav4bY_rms vs run
χ² / ndf 2.847e+04 / 52
p0 0.3764 ± 0.0003729
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
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4593. 1
4593. 2
4593. 3
4593. 4
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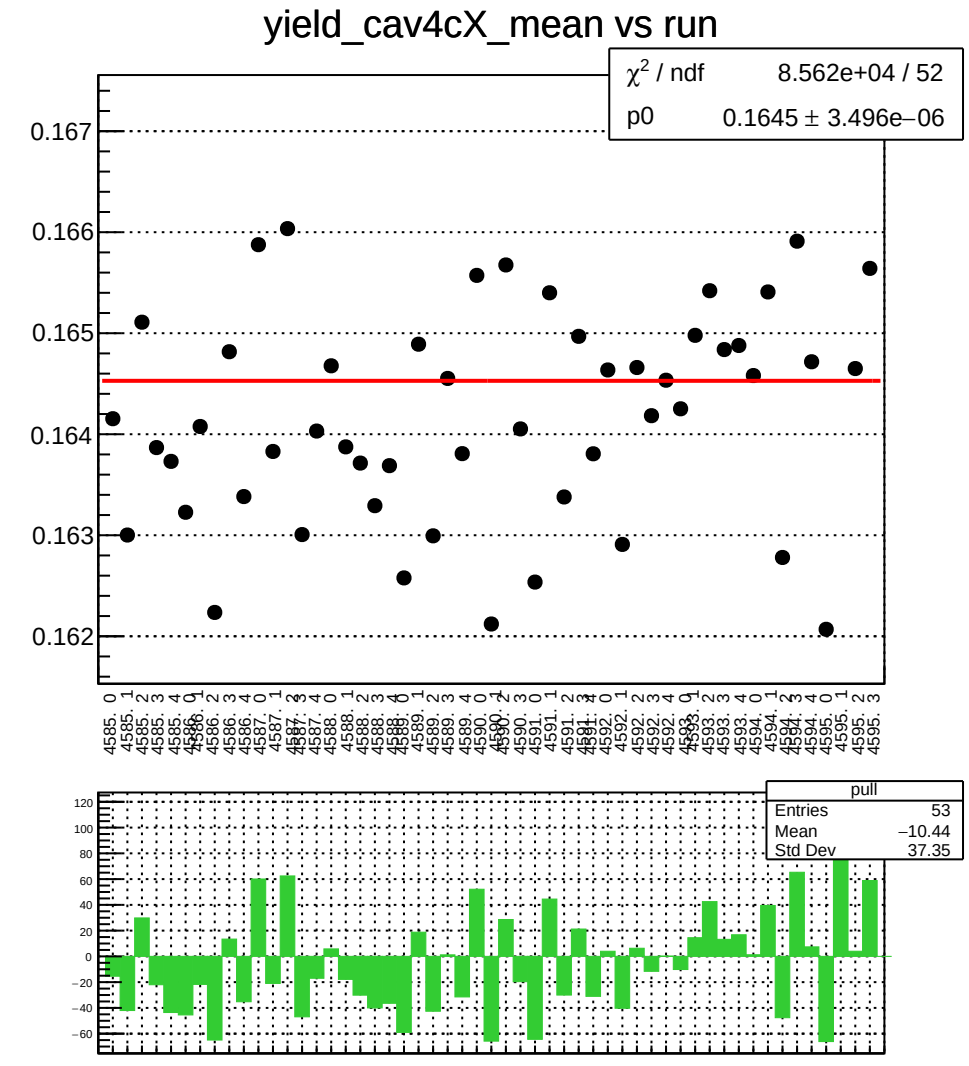
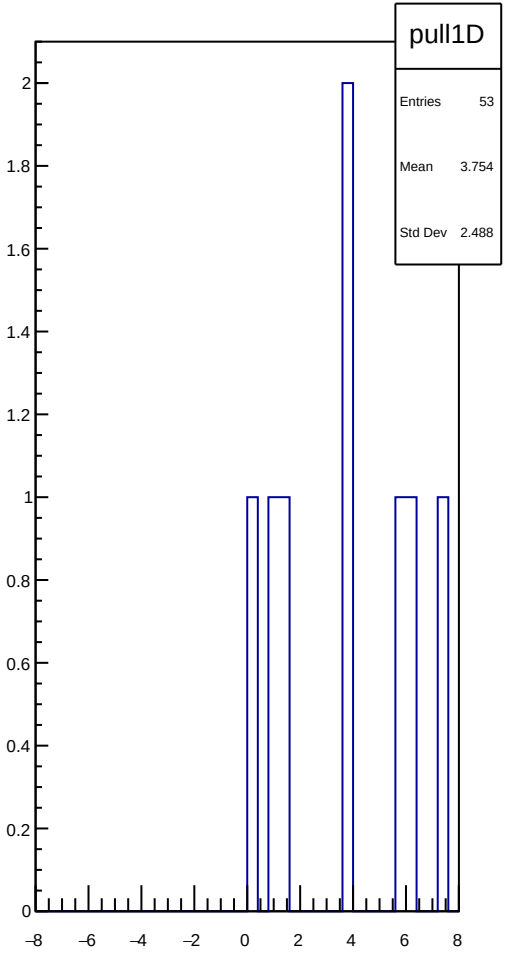
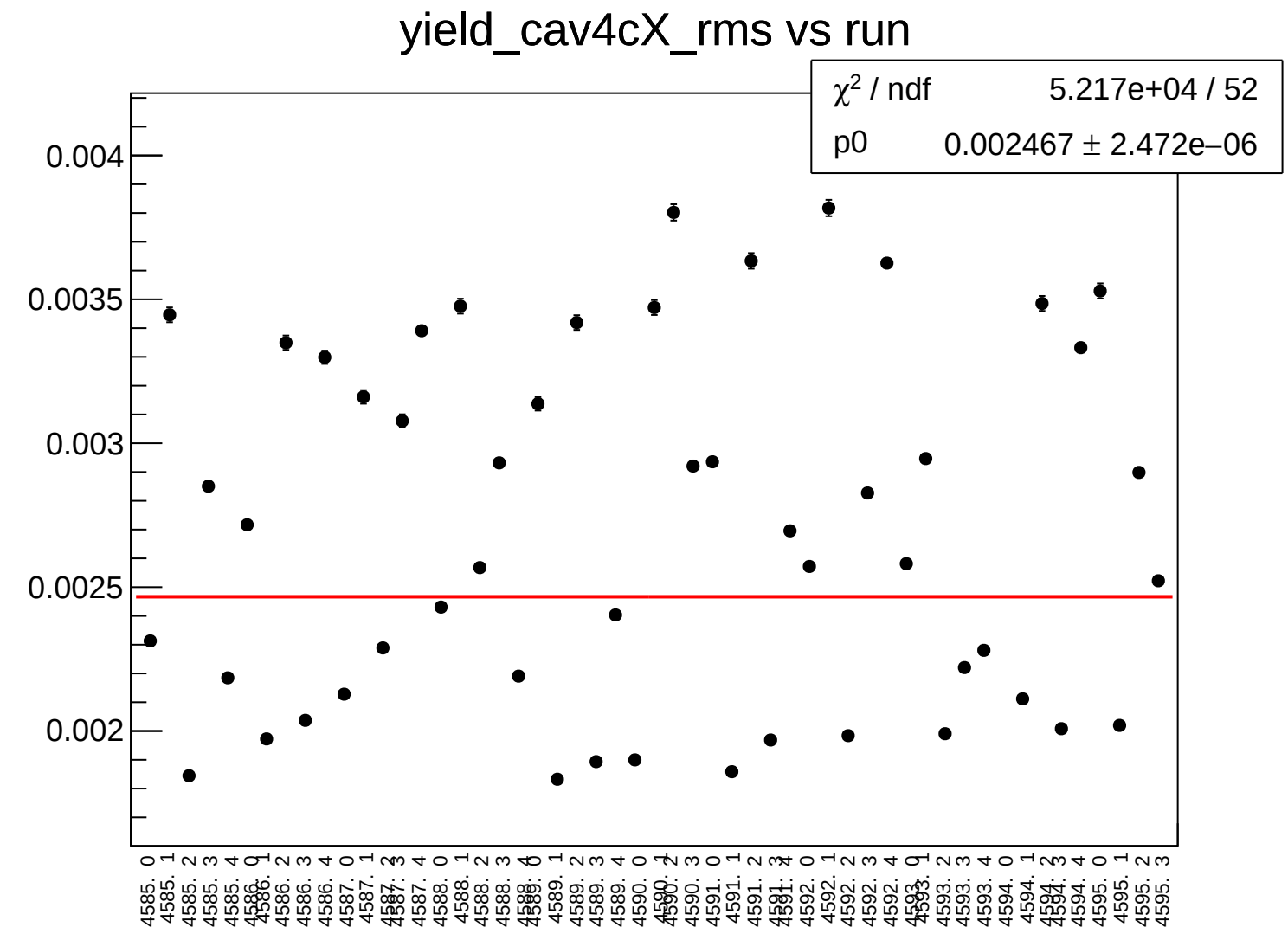
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


yield_cav4cX_mean vs run
χ² / ndf 8.562e+04 / 52
p0 0.1645 ± 3.496e−06
0.167
0.166
0.165
0.164
0.163
0.162
pull
Entries 53
Mean −10.44
Std Dev 37.35
120
100
80
60
40
20
0
−20
−40
−60


pull1D
Entries 53
Mean 3.754
Std Dev 2.488
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_cav4cX_rms vs run
χ² / ndf 5.217e+04 / 52
p0 0.002467 ± 2.472e−06
0.004
0.0035
0.003
0.0025
0.002
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4590. 4
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
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4594. 2
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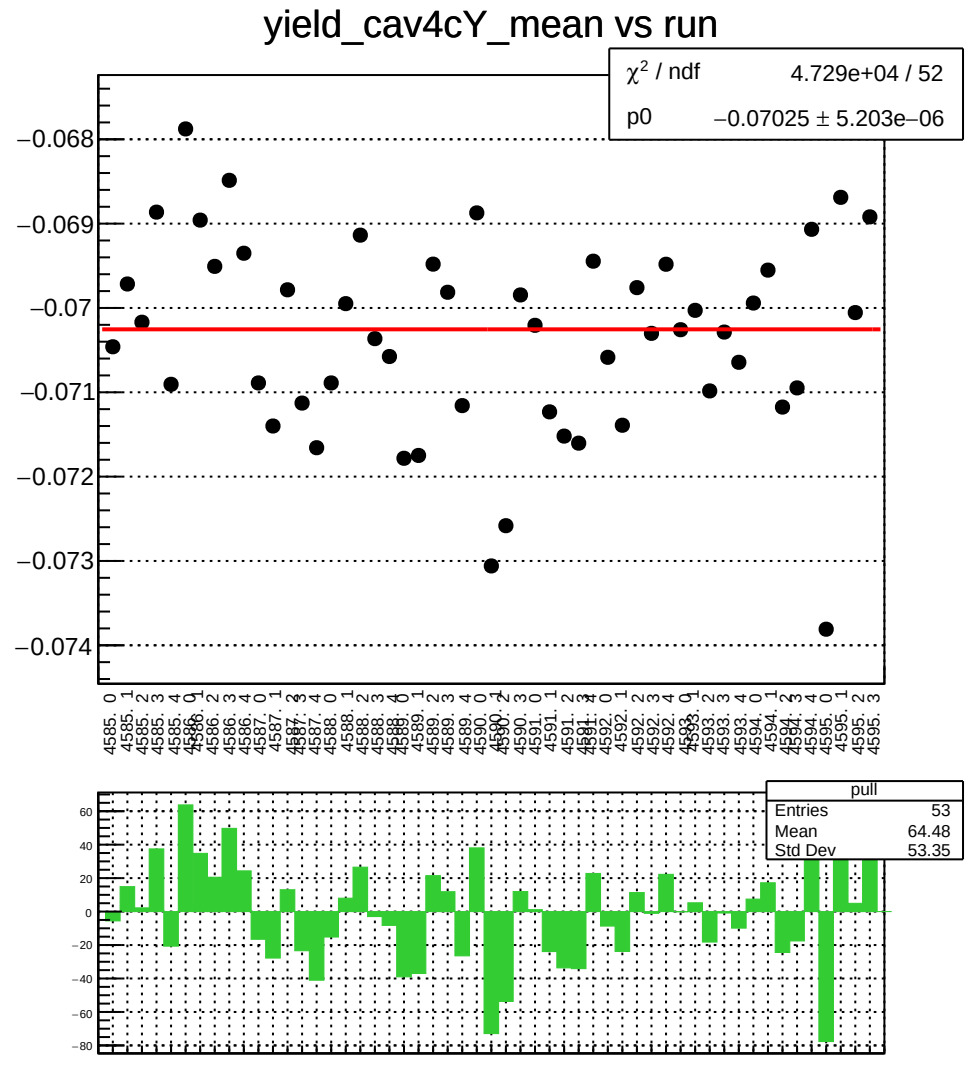
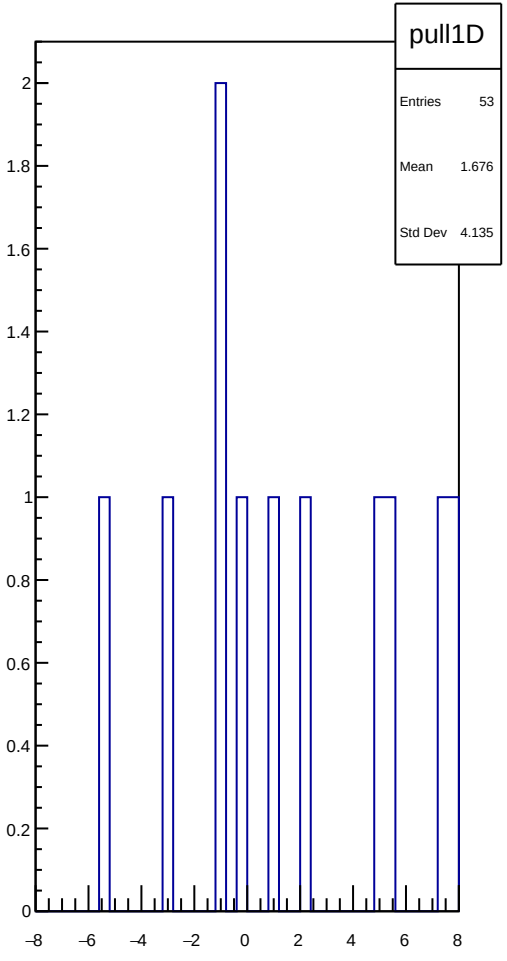
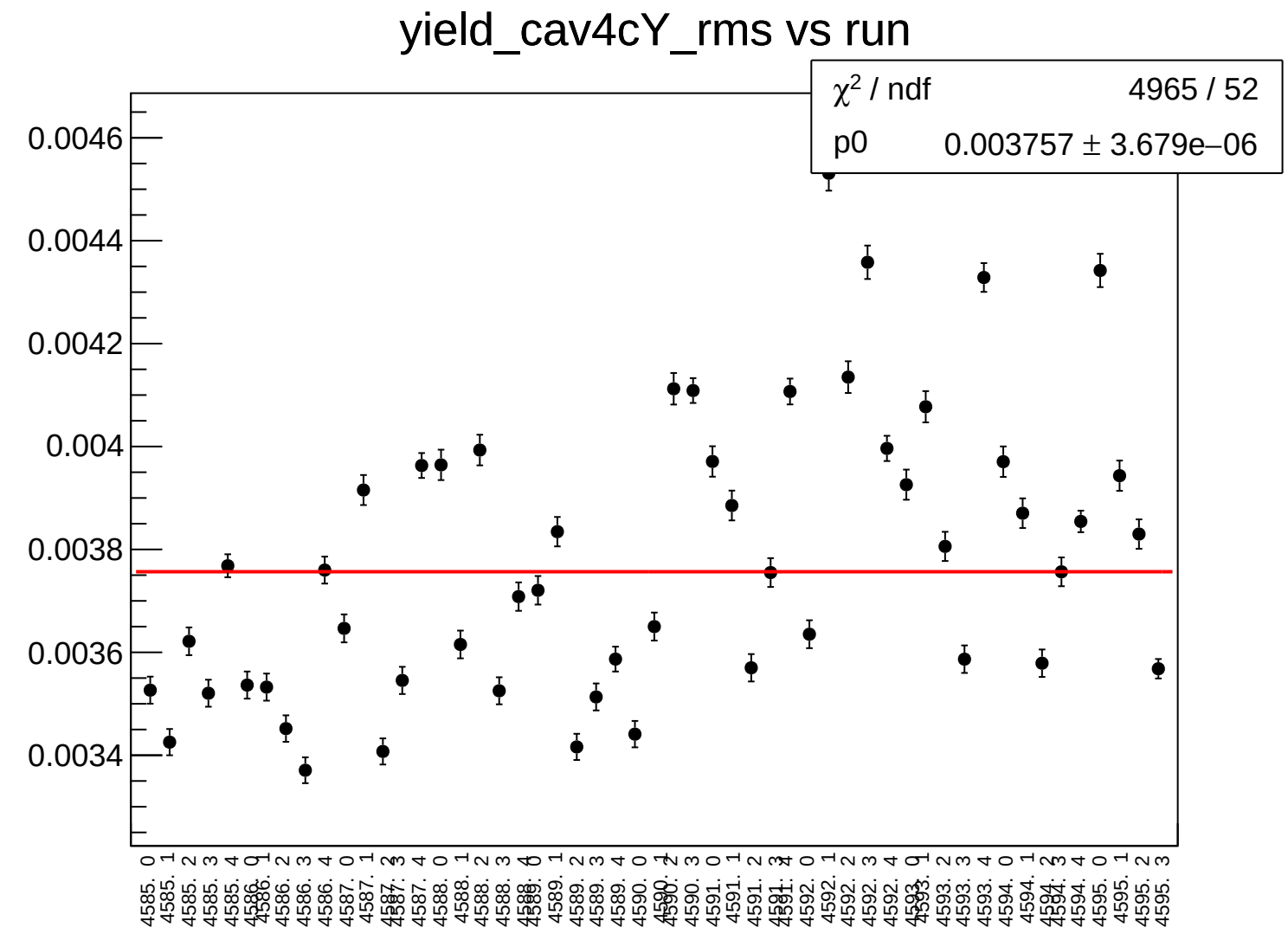
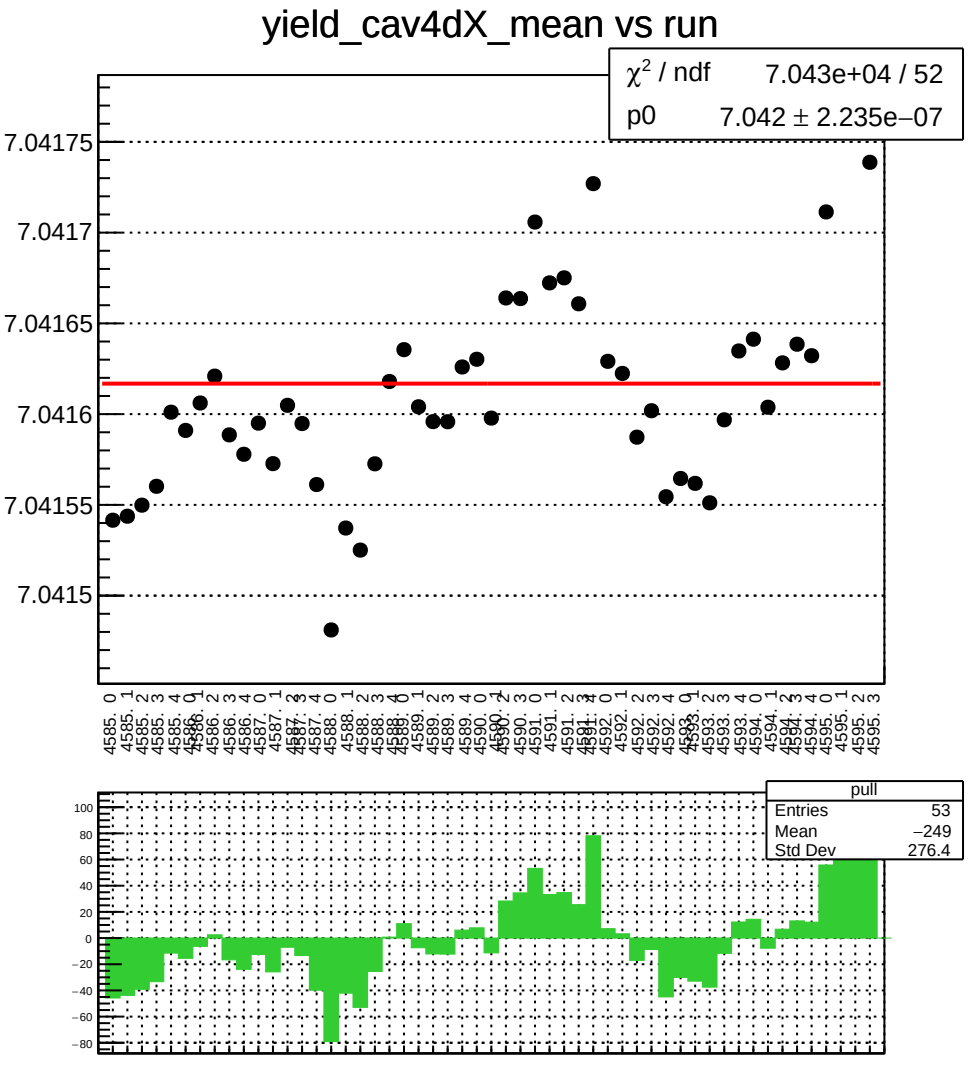
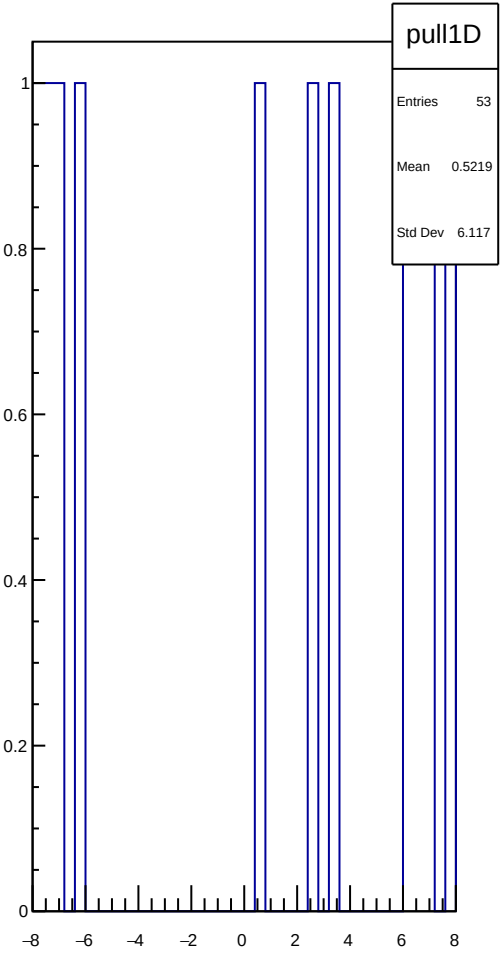
4595. 0
4595. 1
4595. 2
4595. 3

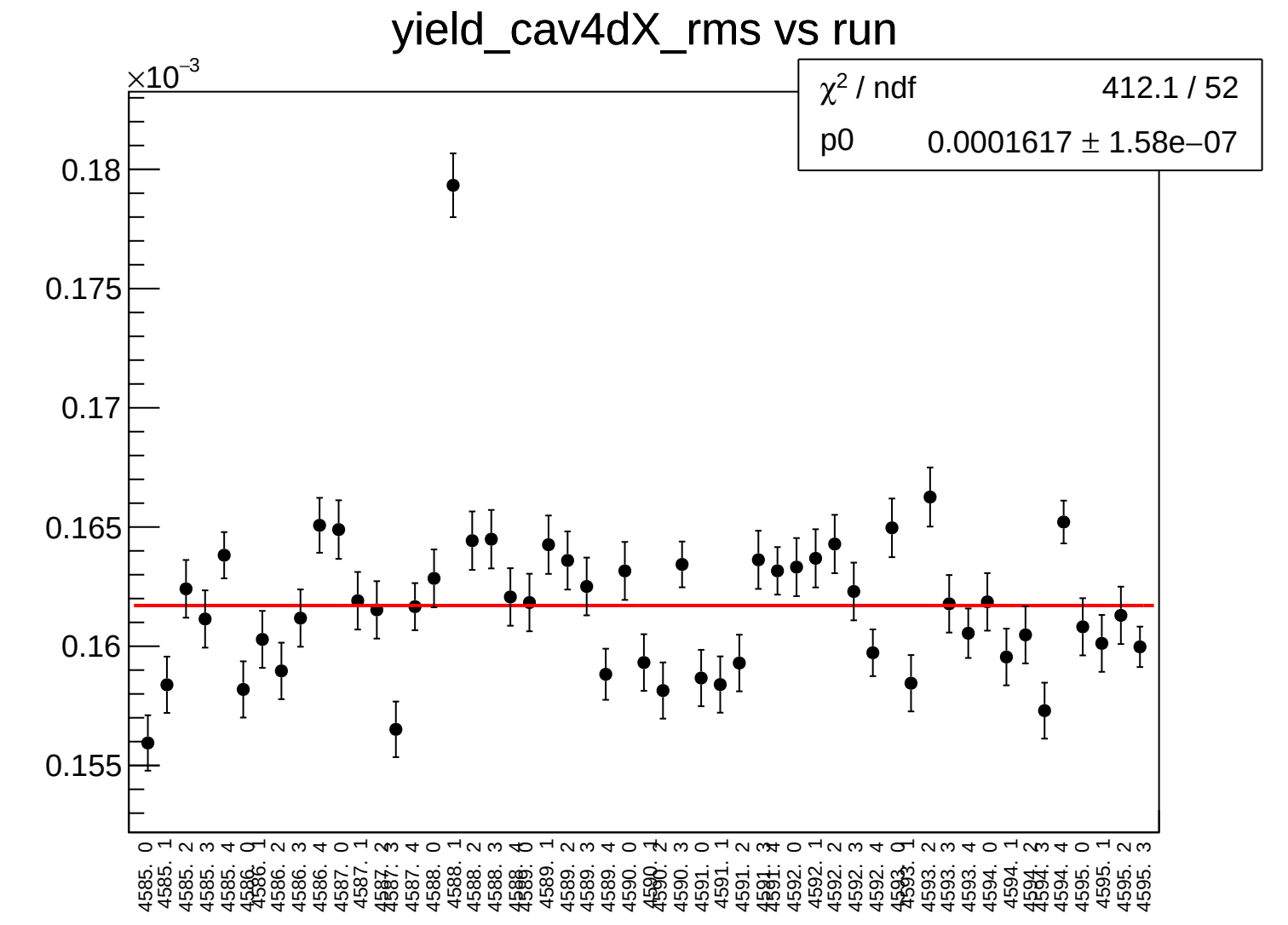

yield_cav4cY_mean vs run
χ² / ndf 4.729e+04 / 52
p0 −0.07025 ± 5.203e−06
−0.068
−0.069
−0.07
−0.071
−0.072
−0.073
−0.074
pull
Entries 53
Mean 64.48
Std Dev 53.35
60
40
20
0
−20
−40
−60
−80

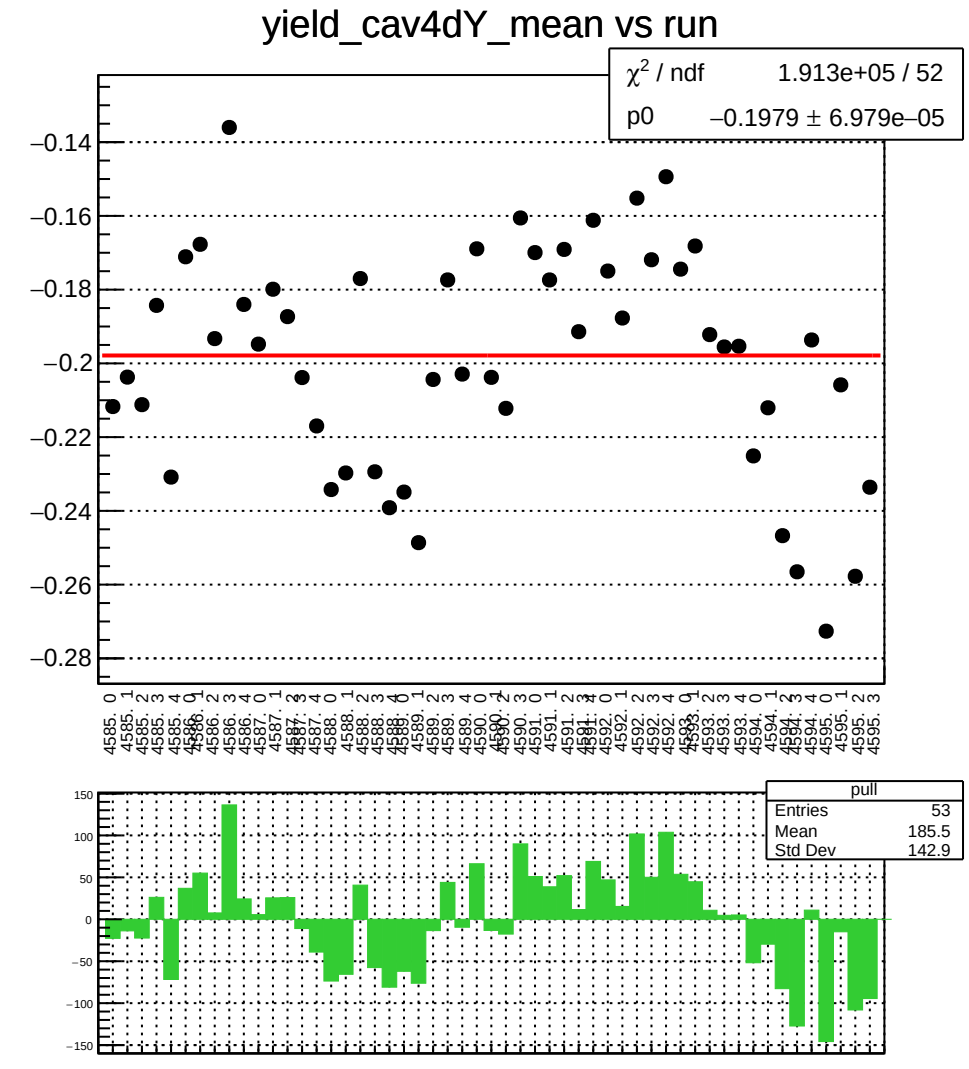

pull1D
Entries 53
Mean 1.676
Std Dev 4.135
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

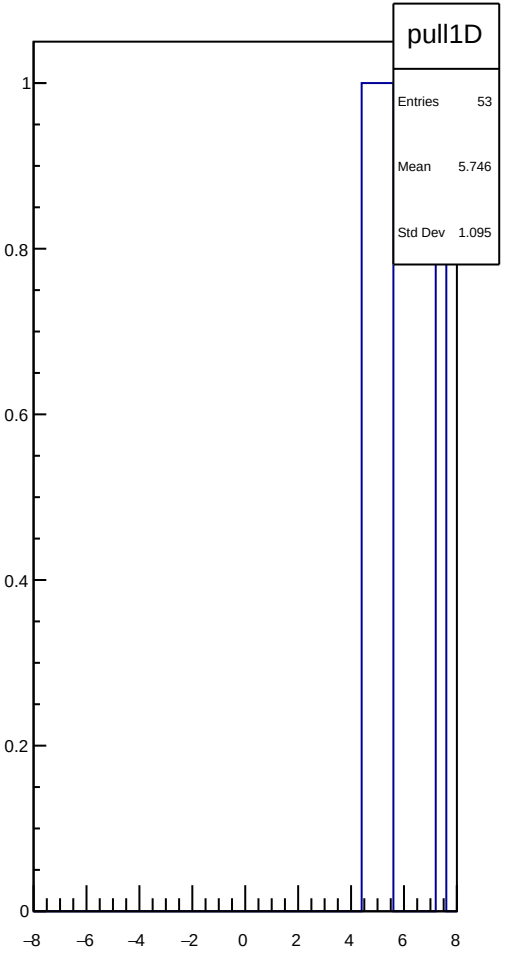

yield_cav4cY_rms vs run
χ² / ndf 4965 / 52
p0 0.003757 ± 3.679e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4590. 4
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

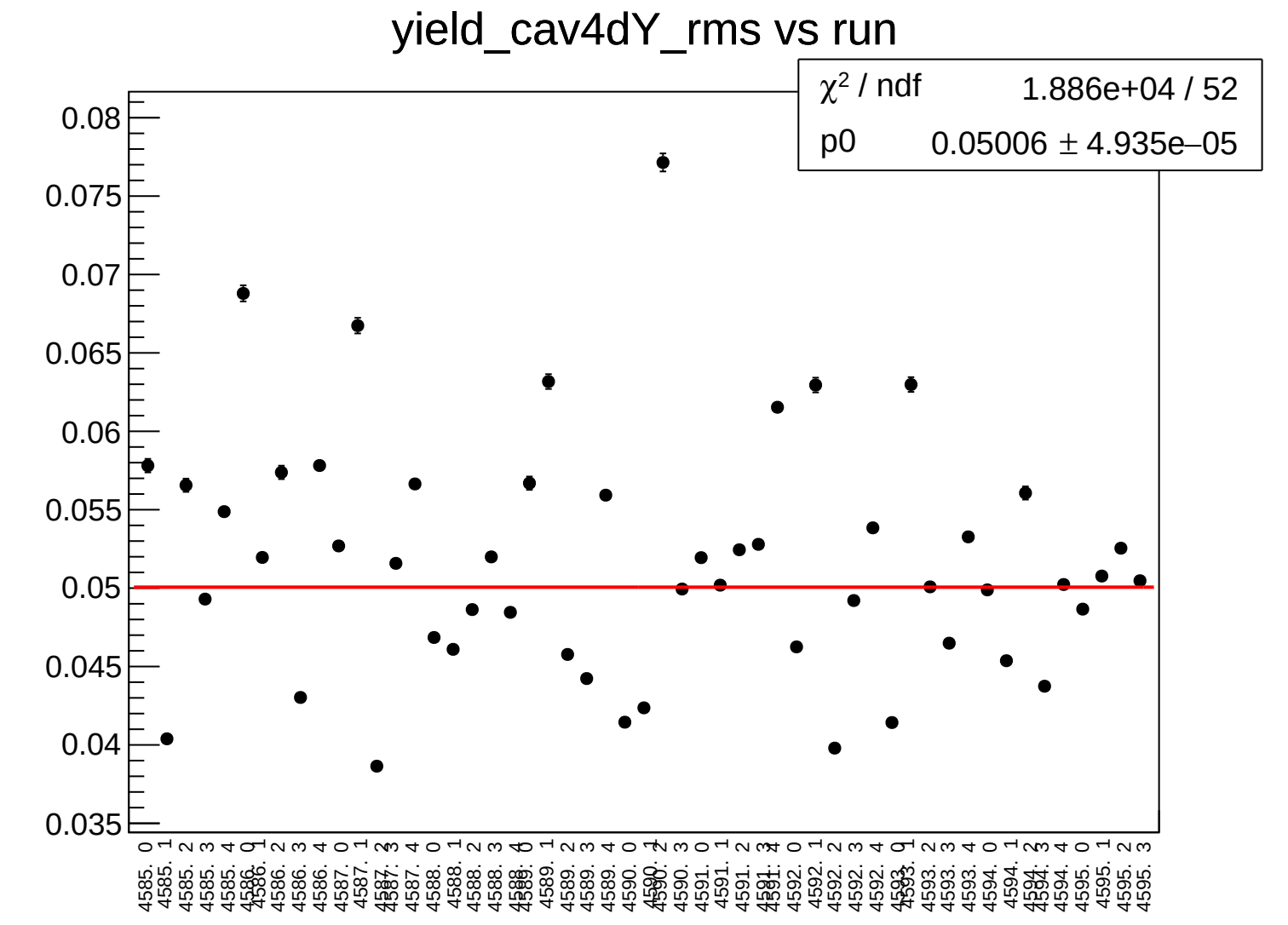

yield_cav4dX_mean vs run
χ² / ndf 7.043e+04 / 52
p0 7.042 ± 2.235e−07
7.04175
7.0417
7.04165
7.0416
7.04155
7.0415
pull
Entries 53
Mean −249
Std Dev 276.4
100
80
60
40
20
0
−20
−40
−60
−80

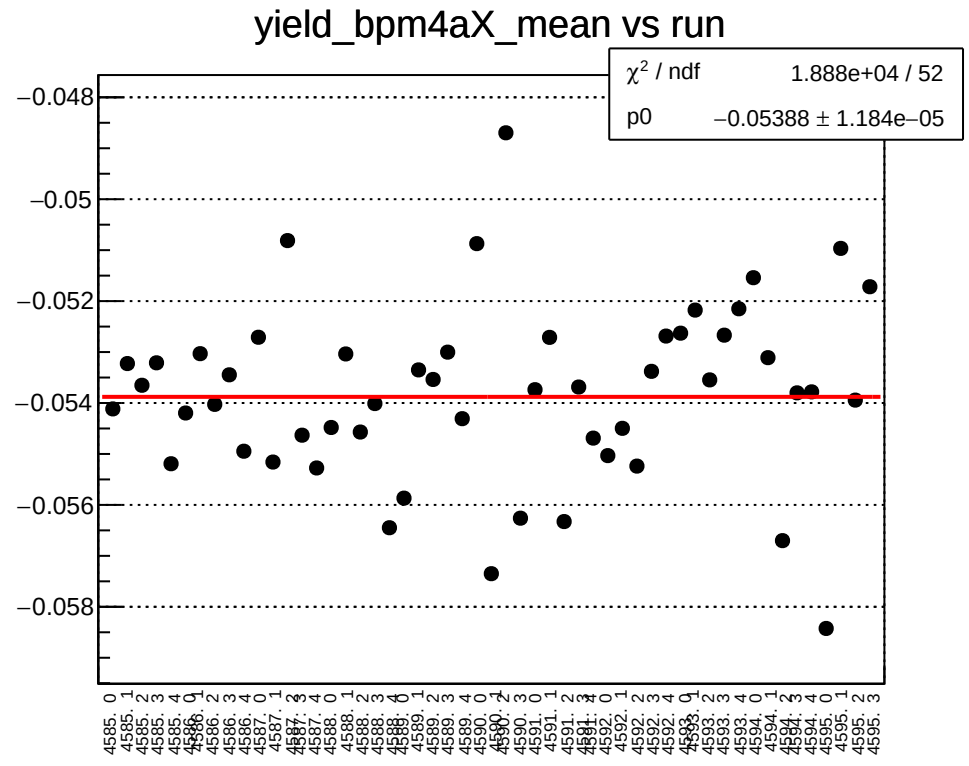

pull1D
Entries 53
Mean 0.5219
Std Dev 6.117
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

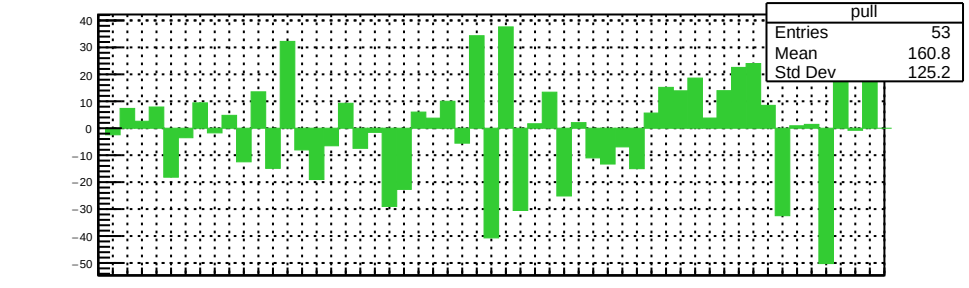

yield_cav4dX_rms vs run
×10⁻³
χ² / ndf 412.1 / 52
p0 0.0001617 ± 1.58e−07
0.18
0.175
0.17
0.165
0.16
0.155

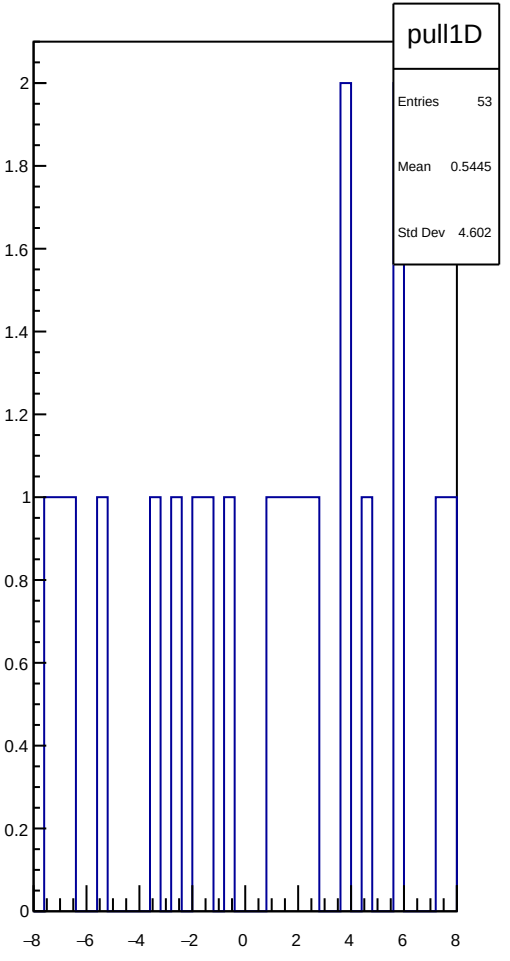

yield_cav4dY_mean vs run
χ² / ndf 1.913e+05 / 52
p0 −0.1979 ± 6.979e−05
pull
Entries 53
Mean 185.5
Std Dev 142.9

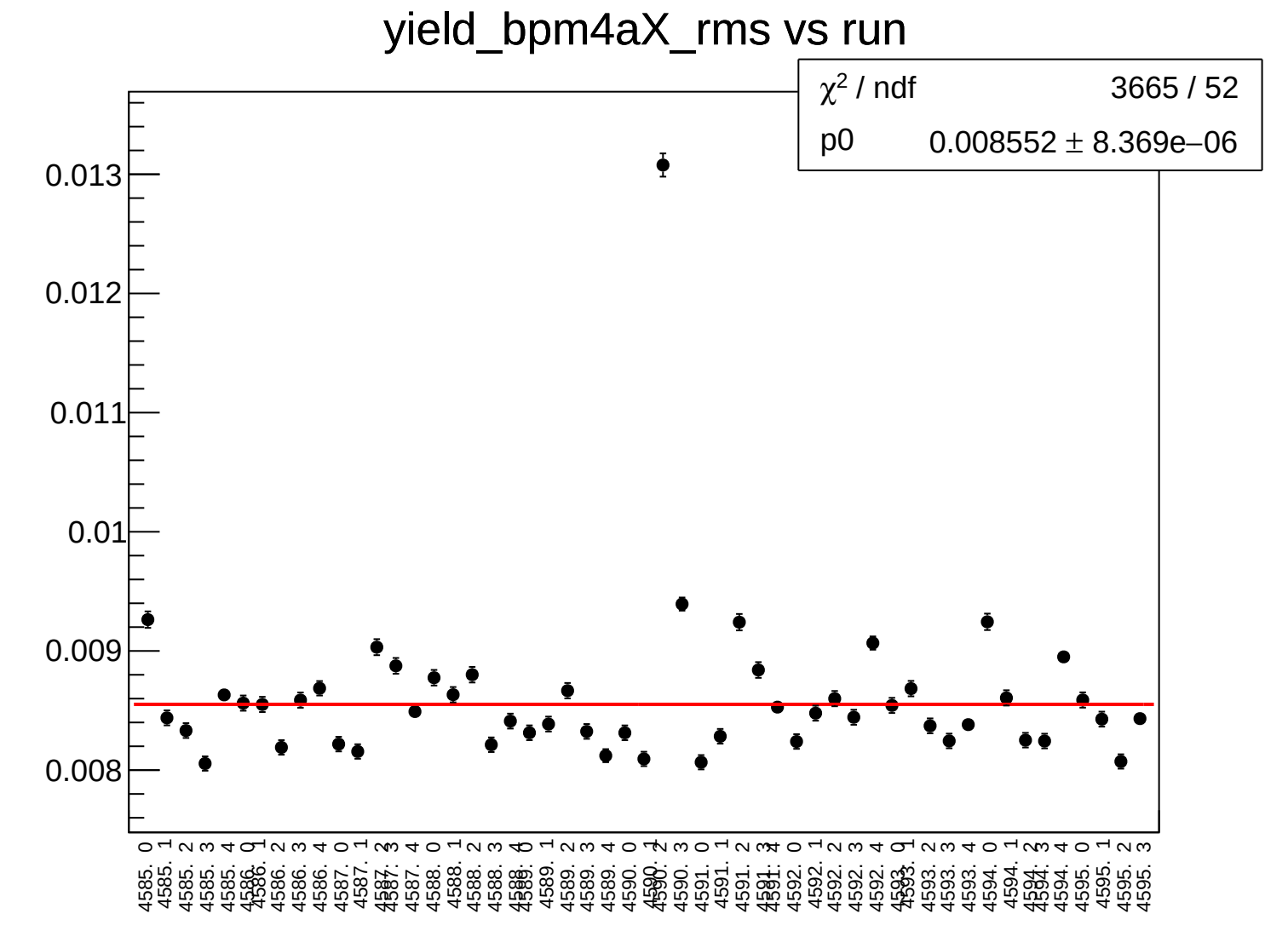

pull1D
Entries 53
Mean 5.746
Std Dev 1.095

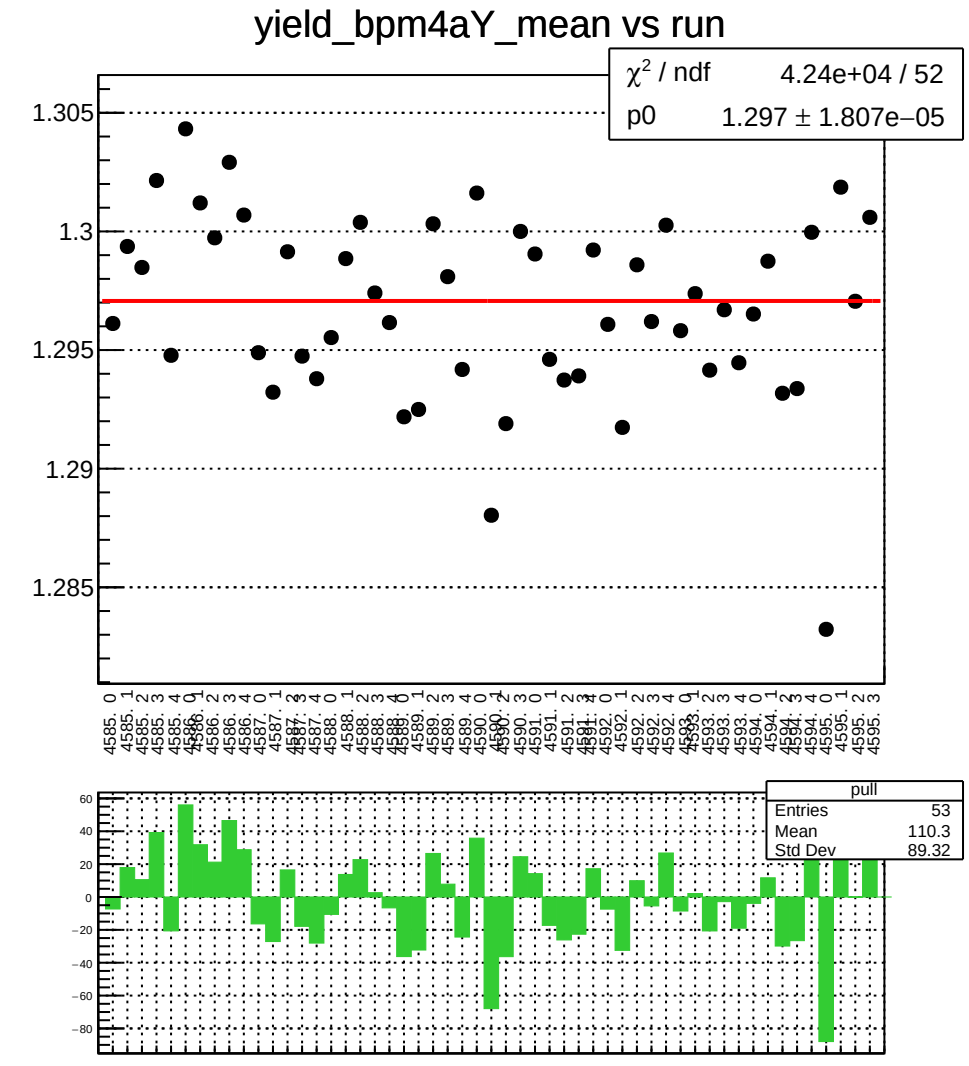

yield_cav4dY_rms vs run
χ² / ndf 1.886e+04 / 52
p0 0.05006 ± 4.935e–05
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035

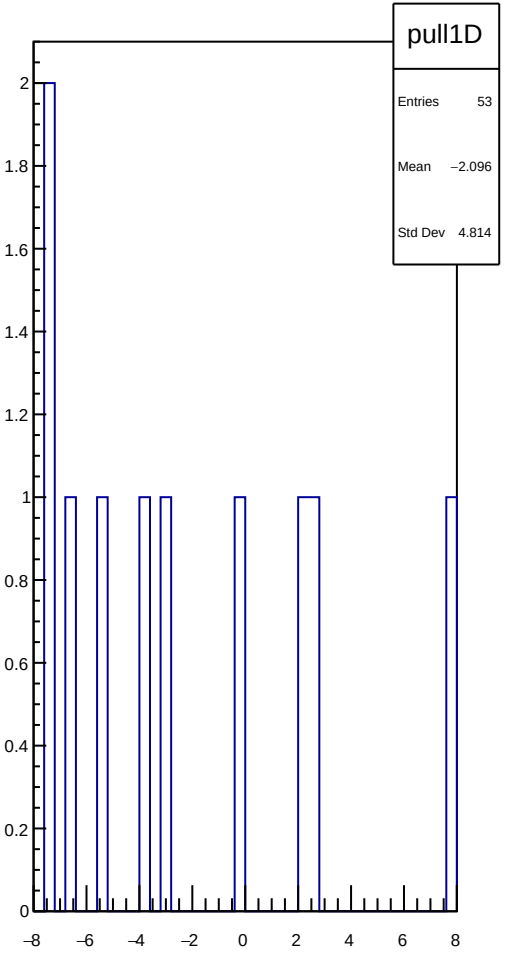

yield_bpm4aX_mean vs run
χ² / ndf 1.888e+04 / 52
p0 −0.05388 ± 1.184e−05
−0.048
−0.05
−0.052
−0.054
−0.056
−0.058

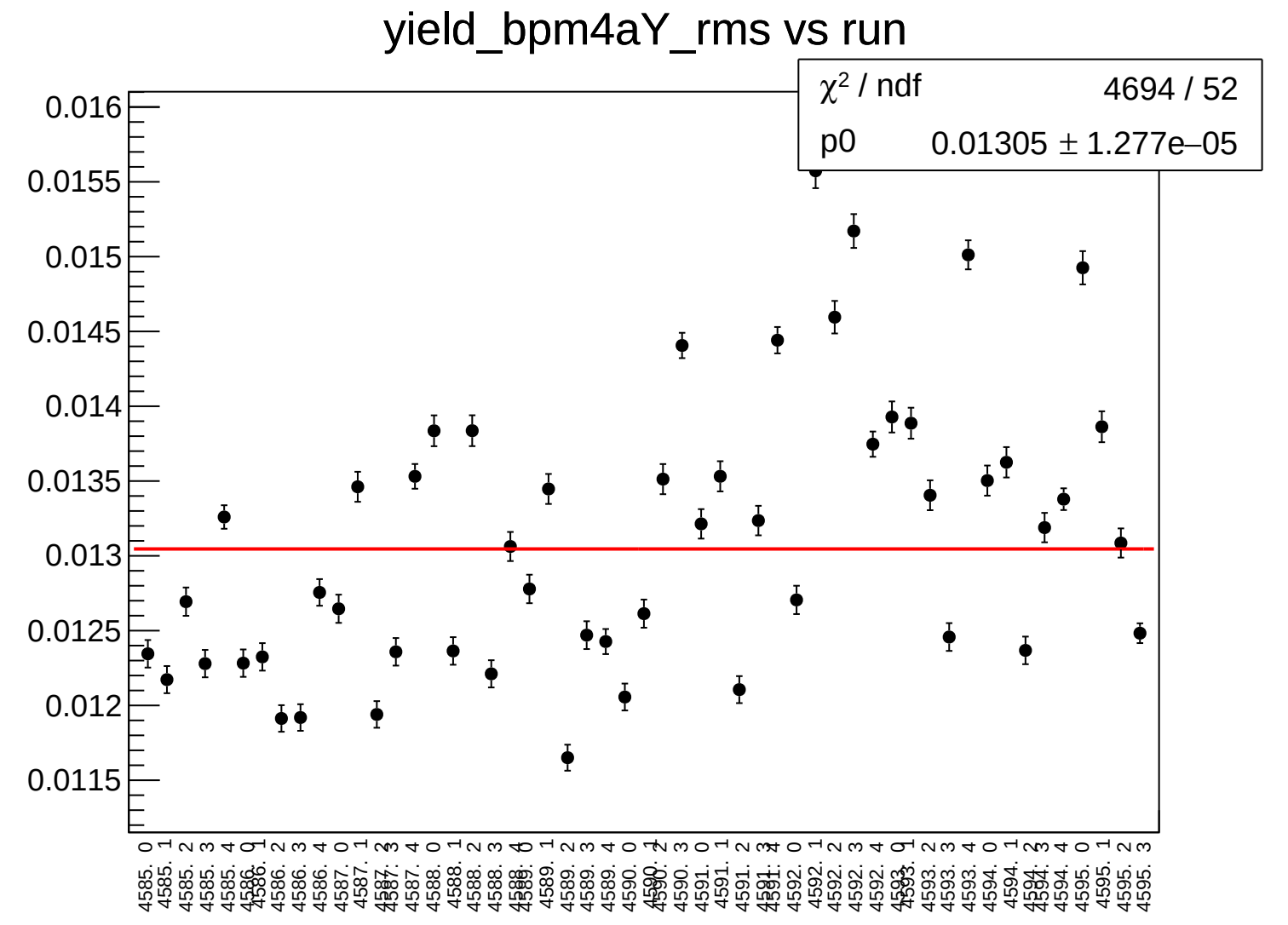

pull
Entries 53
Mean 160.8
Std Dev 125.2

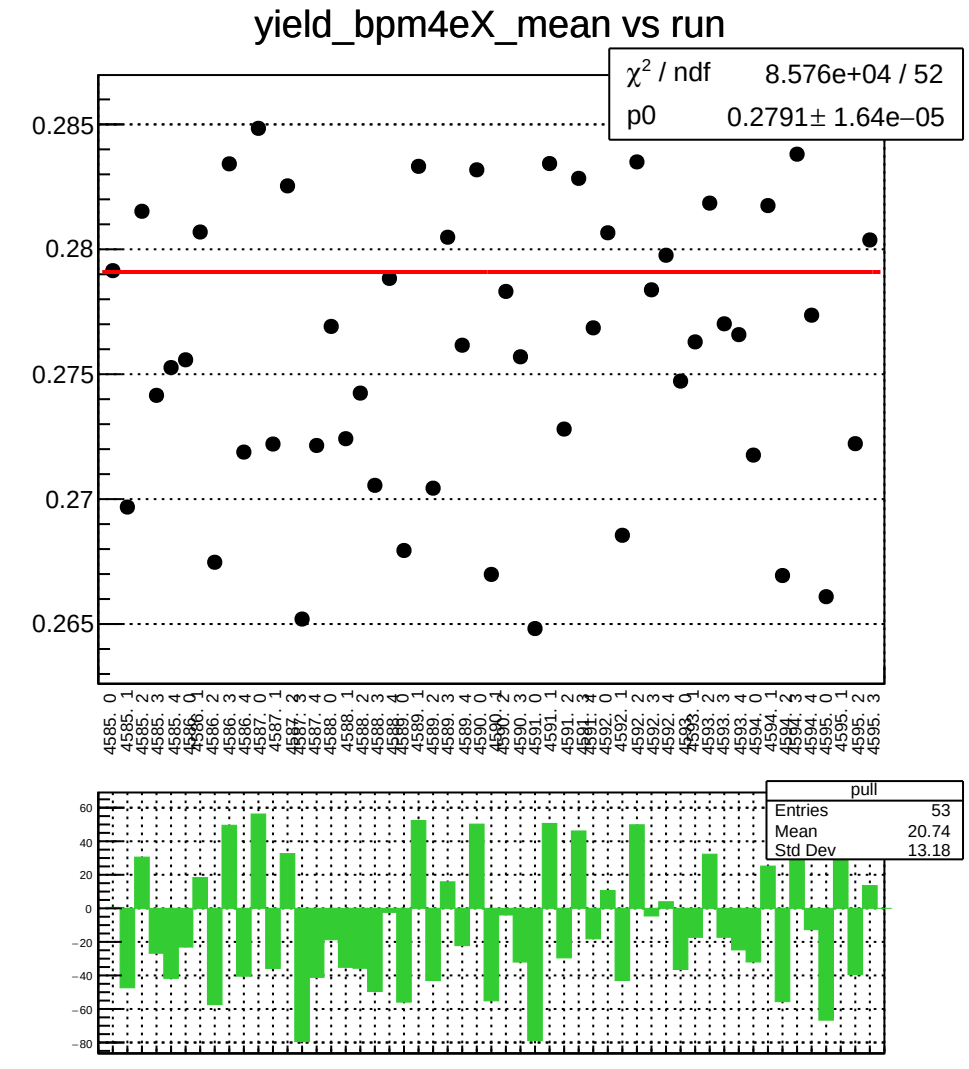

pull1D
Entries 53
Mean 0.5445
Std Dev 4.602

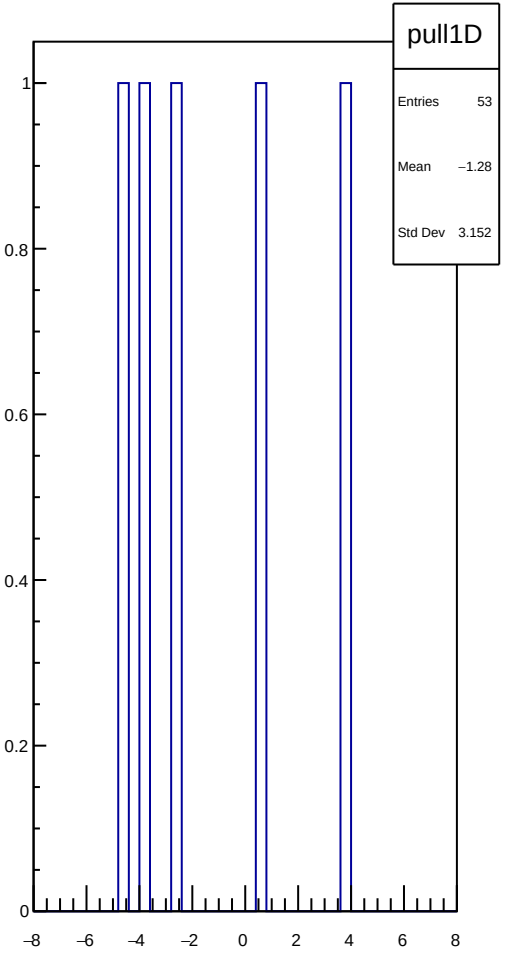

yield_bpm4aX_rms vs run
χ² / ndf 3665 / 52
p0 0.008552 ± 8.369e−06
0.013
0.012
0.011
0.01
0.009
0.008
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

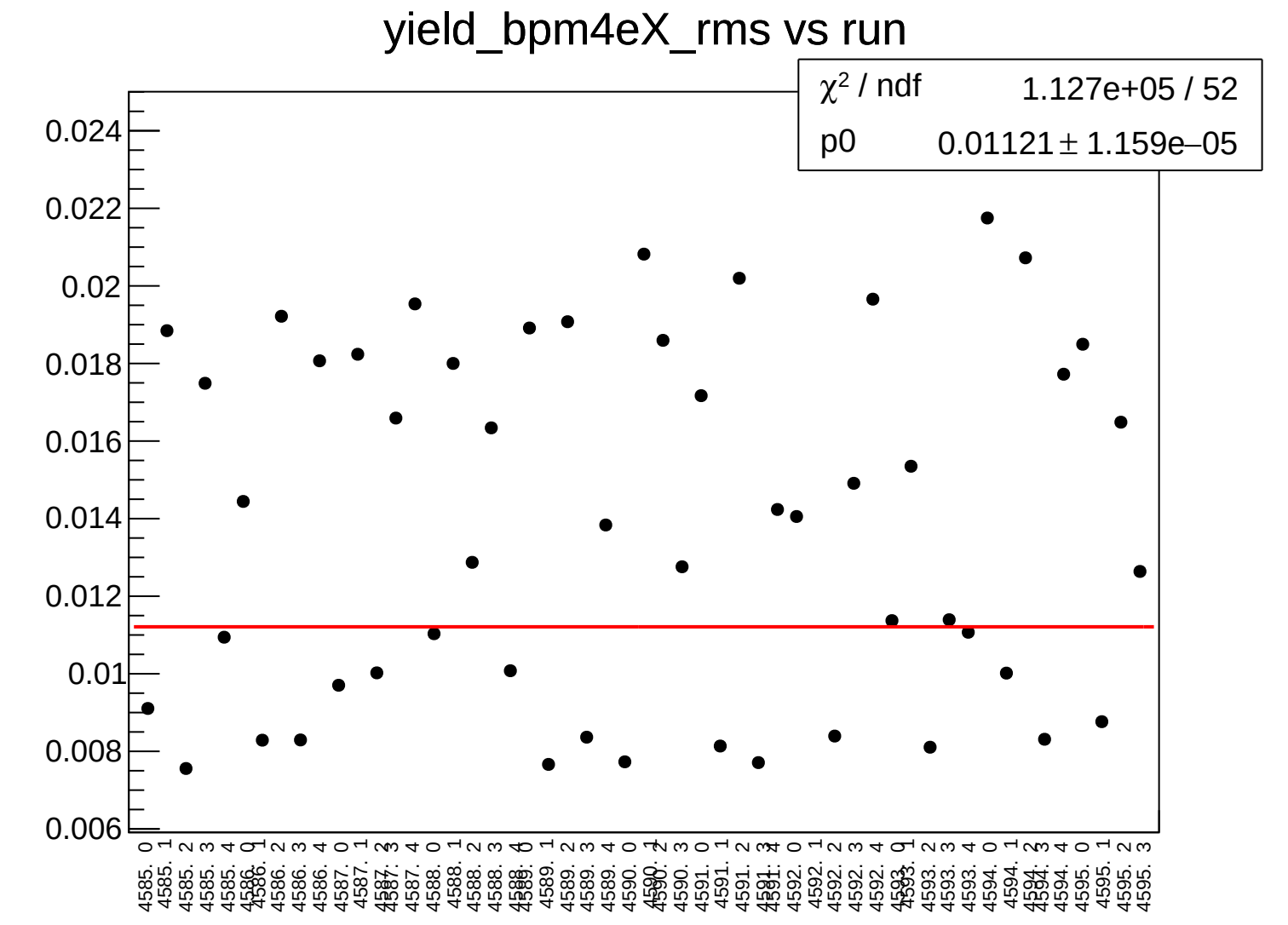

yield_bpm4aY_mean vs run
χ² / ndf 4.24e+04 / 52
p0 1.297 ± 1.807e−05
1.305
1.3
1.295
1.29
1.285
pull
Entries 53
Mean 110.3
Std Dev 89.32
60
40
20
0
−20
−40
−60
−80

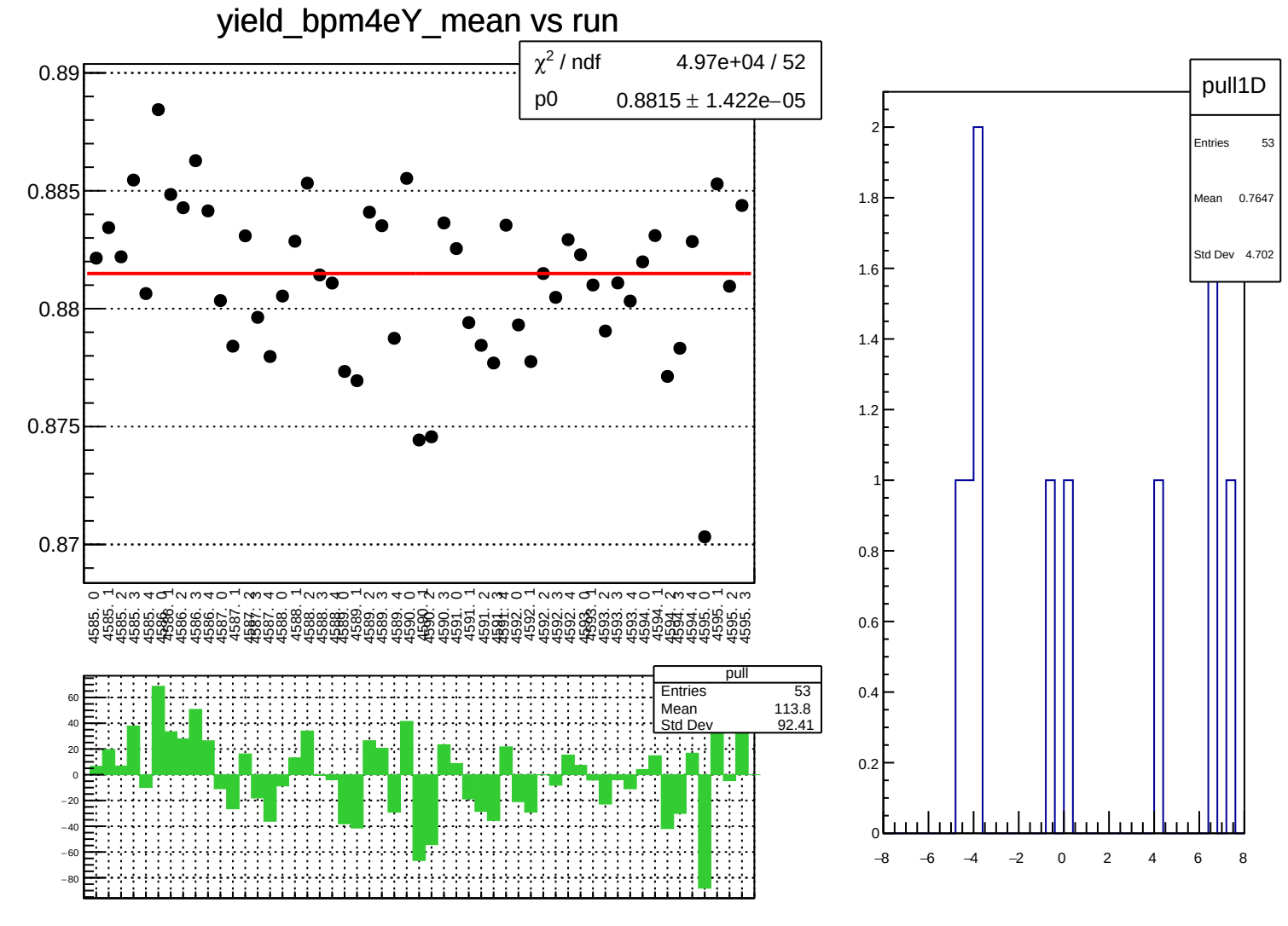

pull1D
Entries 53
Mean −2.096
Std Dev 4.814
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

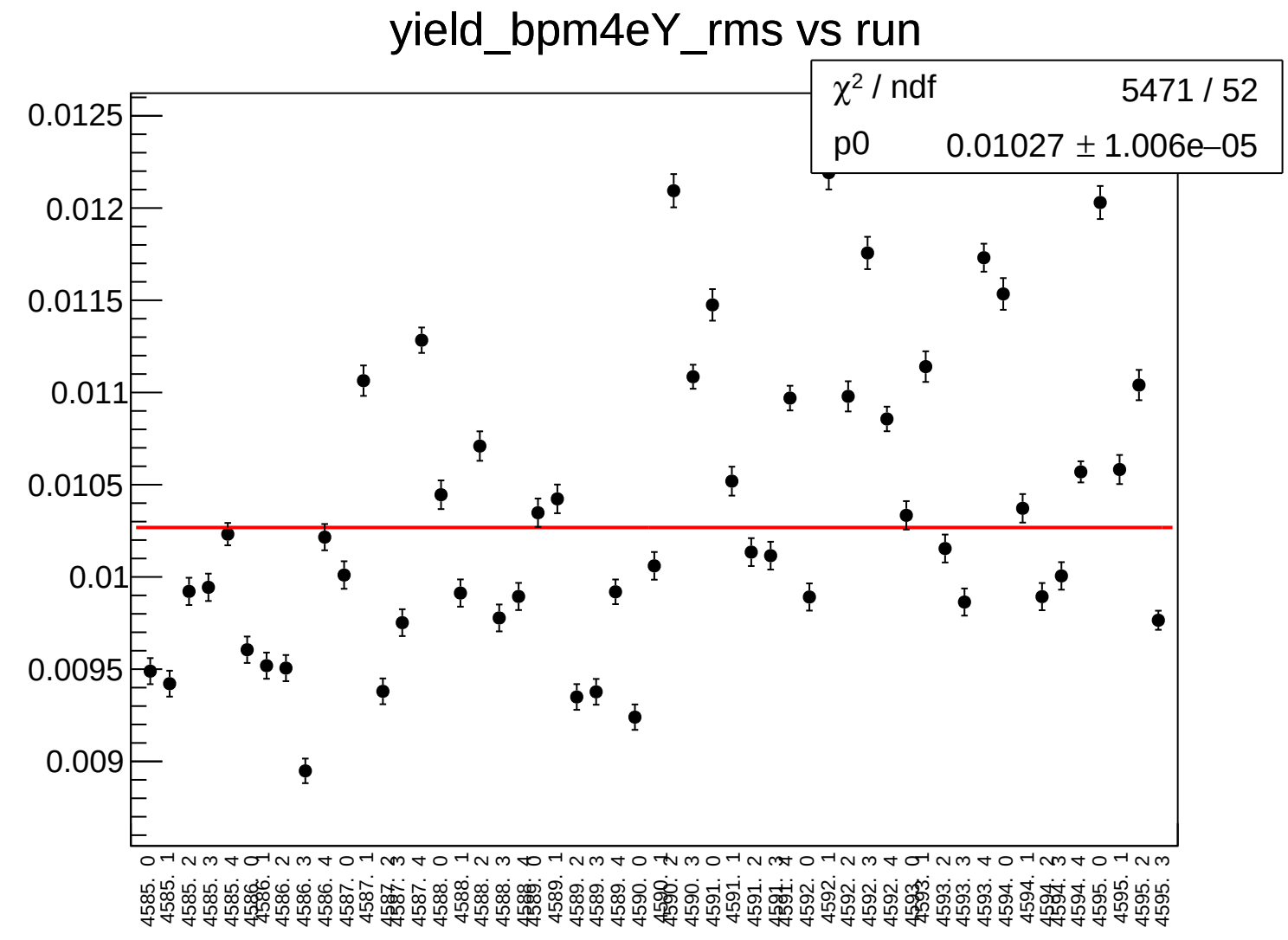

yield_bpm4aY_rms vs run
χ² / ndf 4694 / 52
p0 0.01305 ± 1.277e–05
0.016
0.0155
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

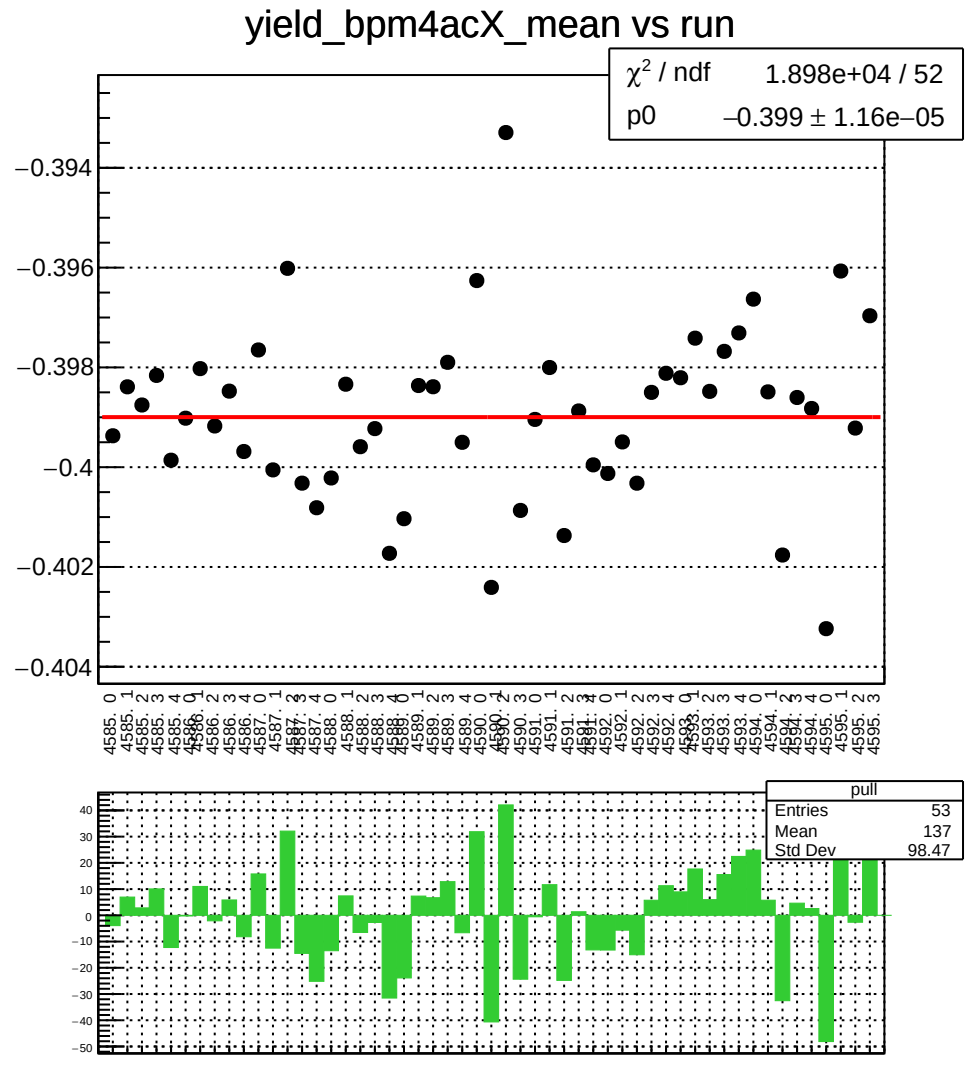

yield_bpm4eX_mean vs run
χ² / ndf 8.576e+04 / 52
p0 0.2791± 1.64e−05
0.285
0.28
0.275
0.27
0.265
pull
Entries 53
Mean 20.74
Std Dev 13.18
60
40
20
0
−20
−40
−60
−80

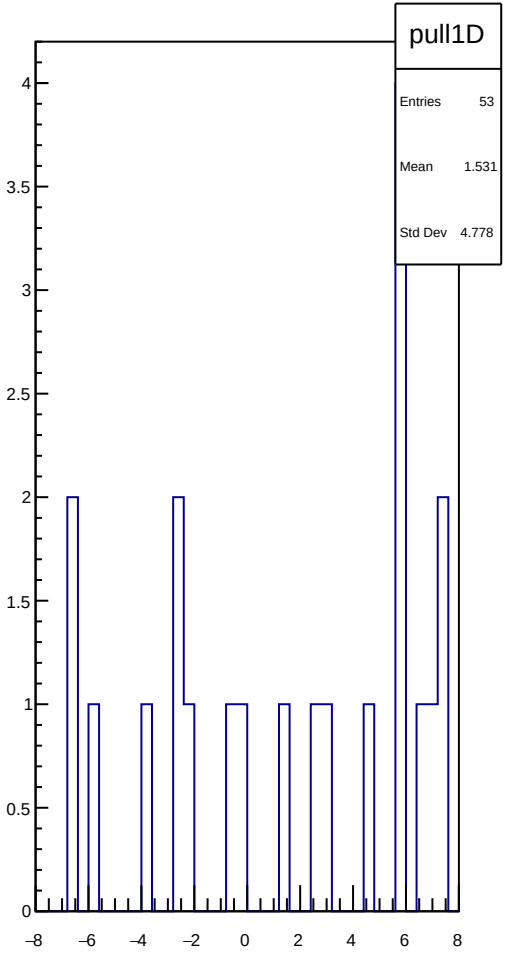

pull1D
Entries 53
Mean −1.28
Std Dev 3.152
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

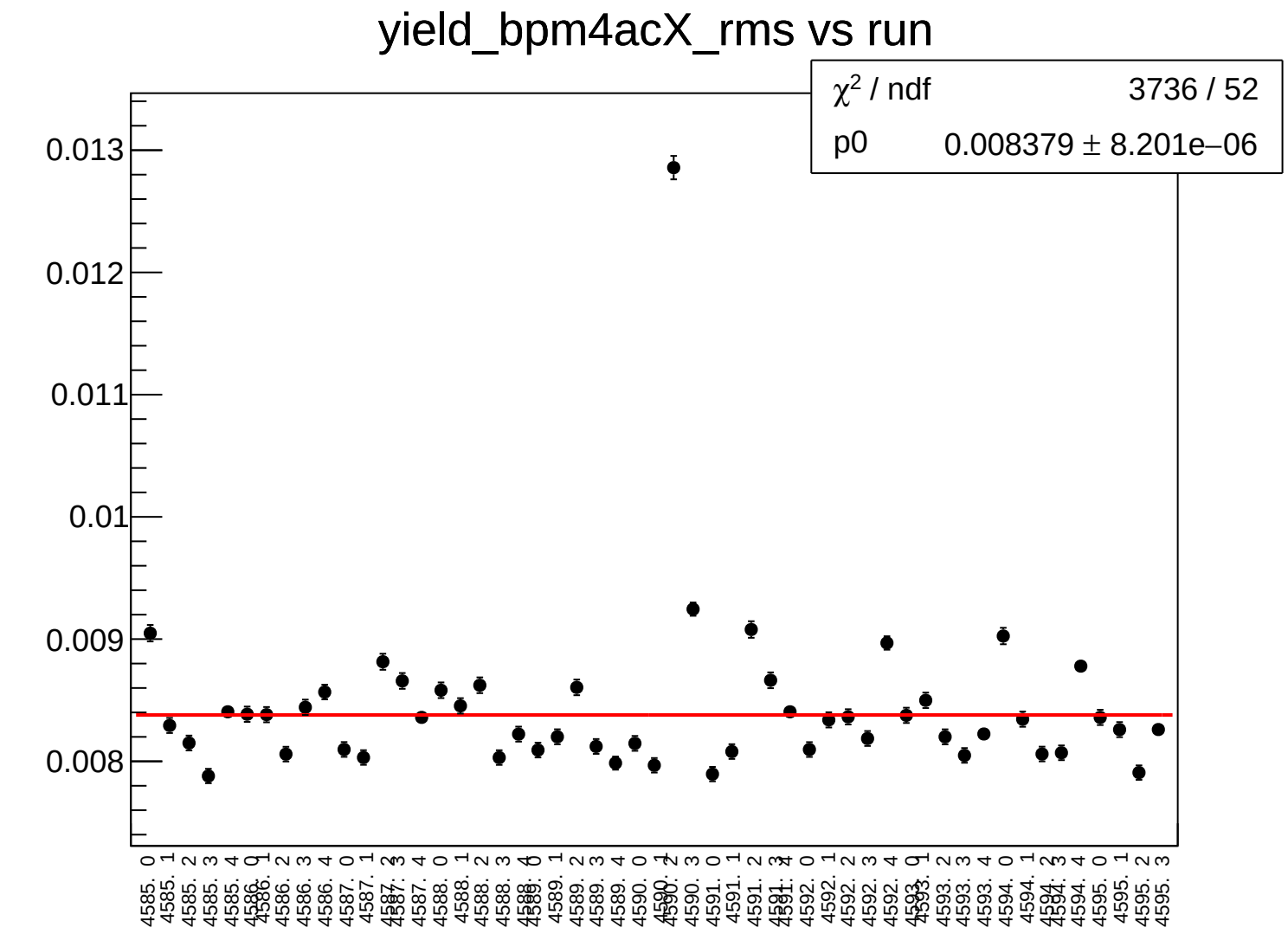

yield_bpm4eX_rms vs run
χ² / ndf 1.127e+05 / 52
p0 0.01121 ± 1.159e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4590. 4
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

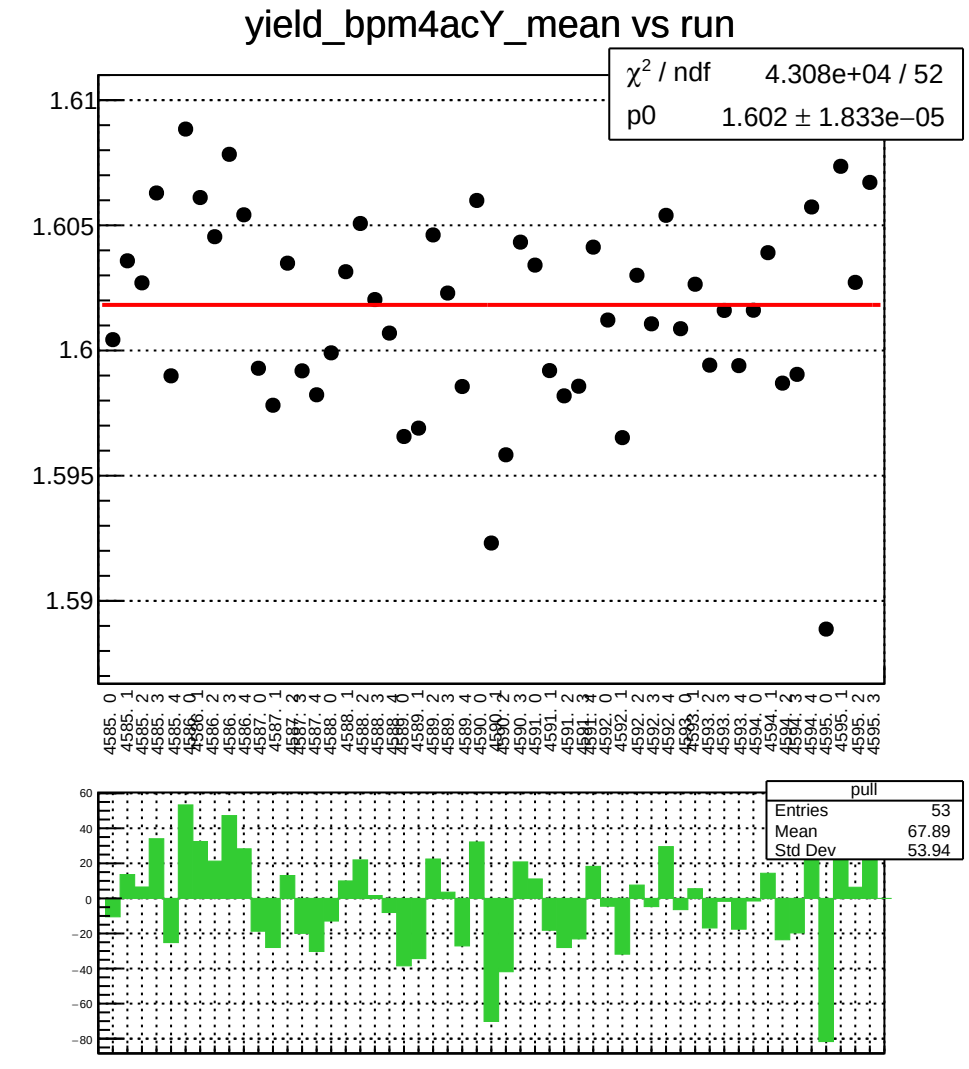

yield_bpm4eY_mean vs run
χ² / ndf 4.97e+04 / 52
p0 0.8815 ± 1.422e−05
0.89
0.885
0.88
0.875
0.87
pull
Entries 53
Mean 113.8
Std Dev 92.41
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 53
Mean 0.7647
Std Dev 4.702
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

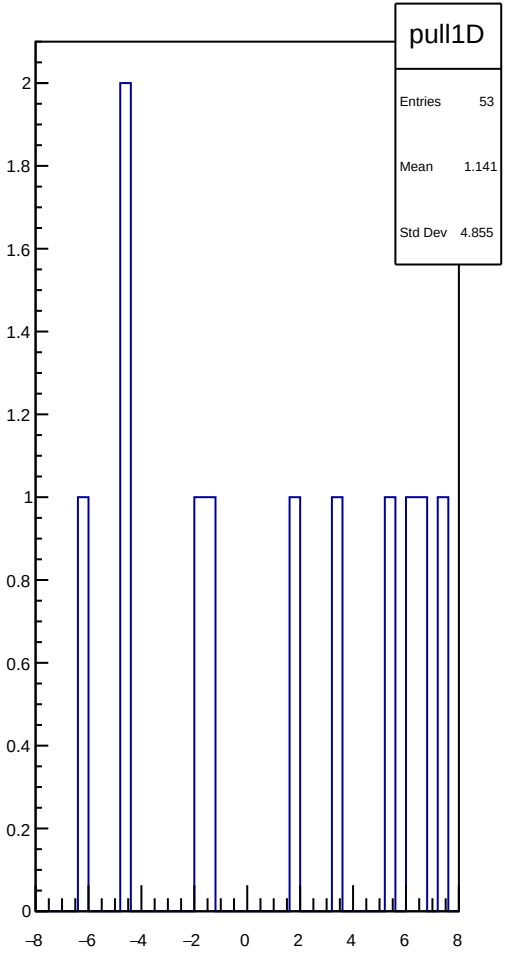

yield_bpm4eY_rms vs run
χ² / ndf 5471 / 52
p0 0.01027 ± 1.006e–05
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

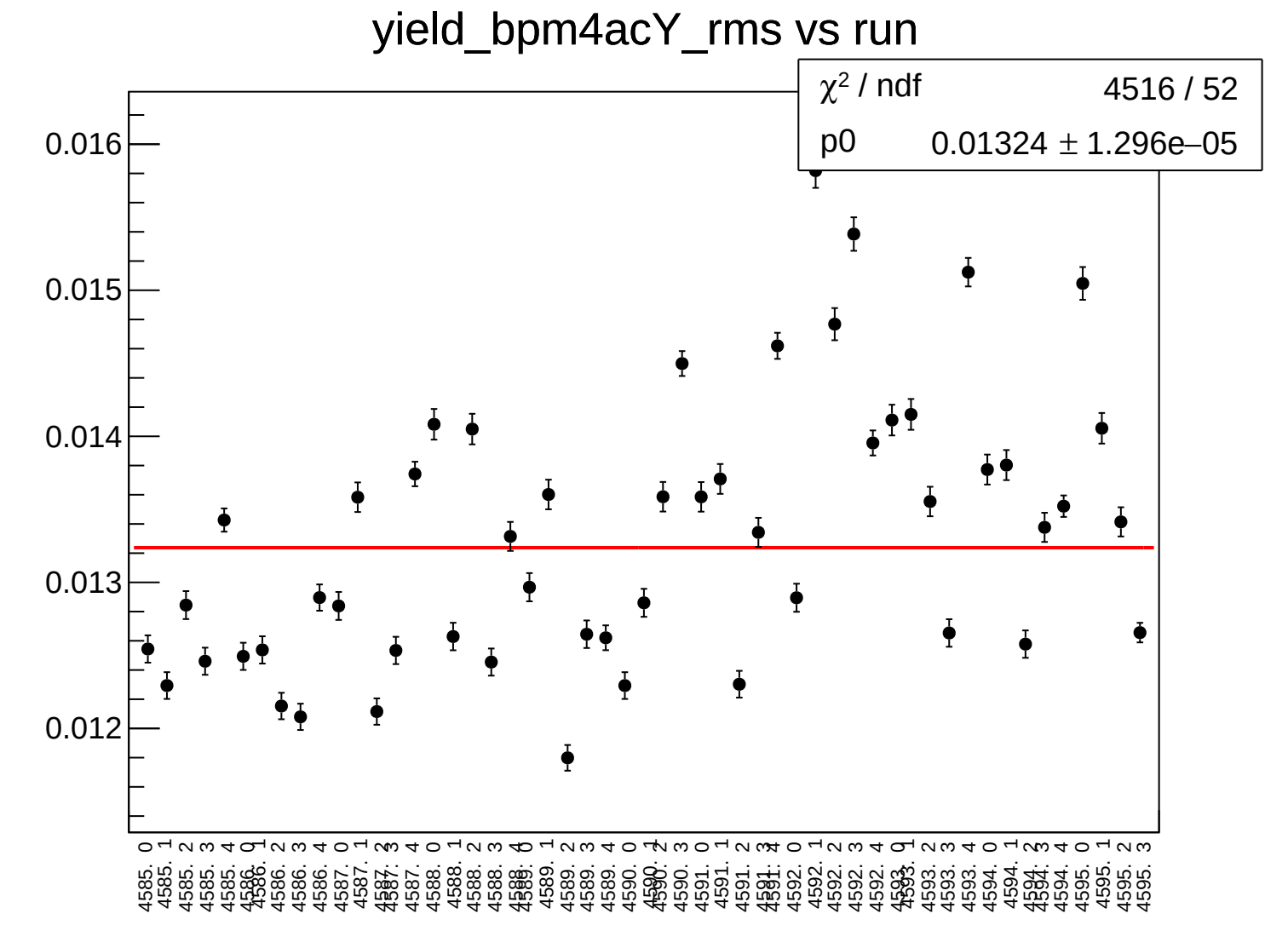

yield_bpm4acX_mean vs run
χ² / ndf 1.898e+04 / 52
p0 −0.399 ± 1.16e−05
−0.394
−0.396
−0.398
−0.4
−0.402
−0.404
pull
Entries 53
Mean 137
Std Dev 98.47

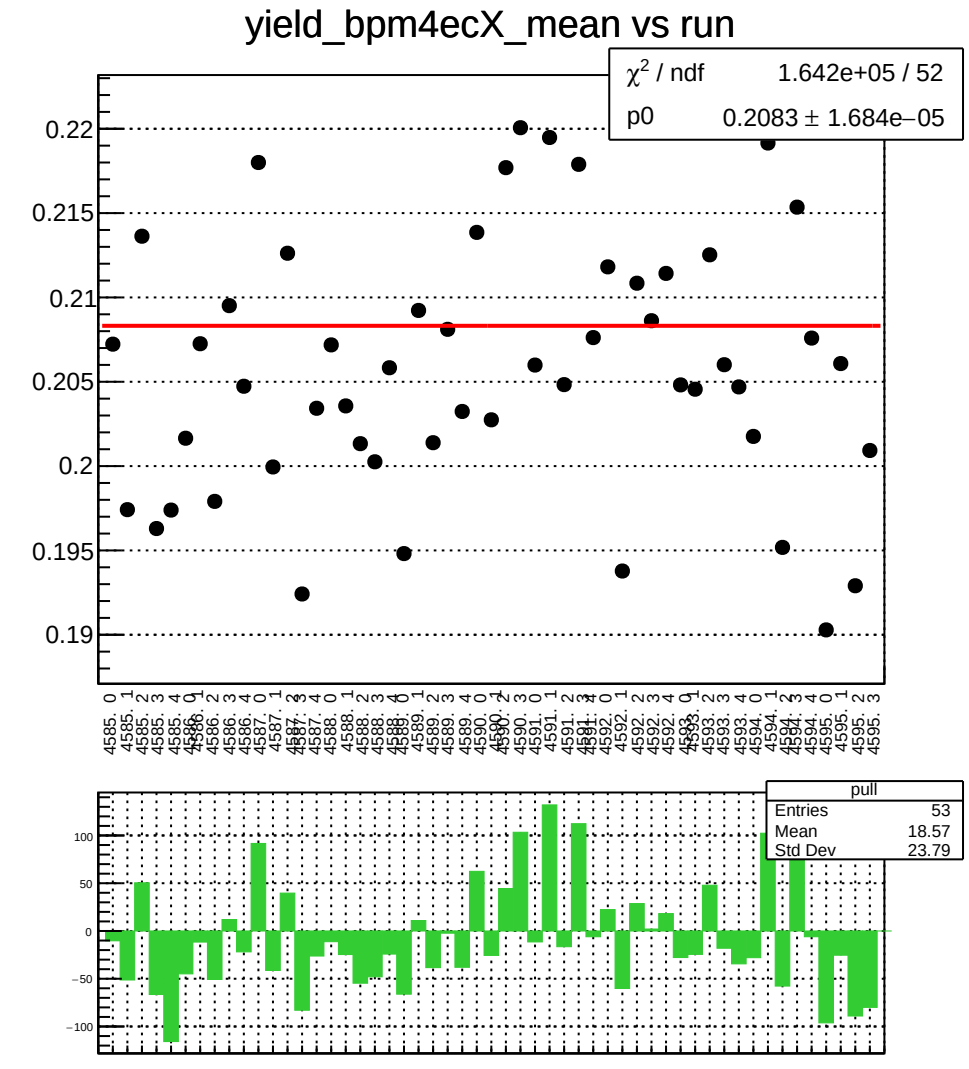

pull1D
Entries 53
Mean 1.531
Std Dev 4.778

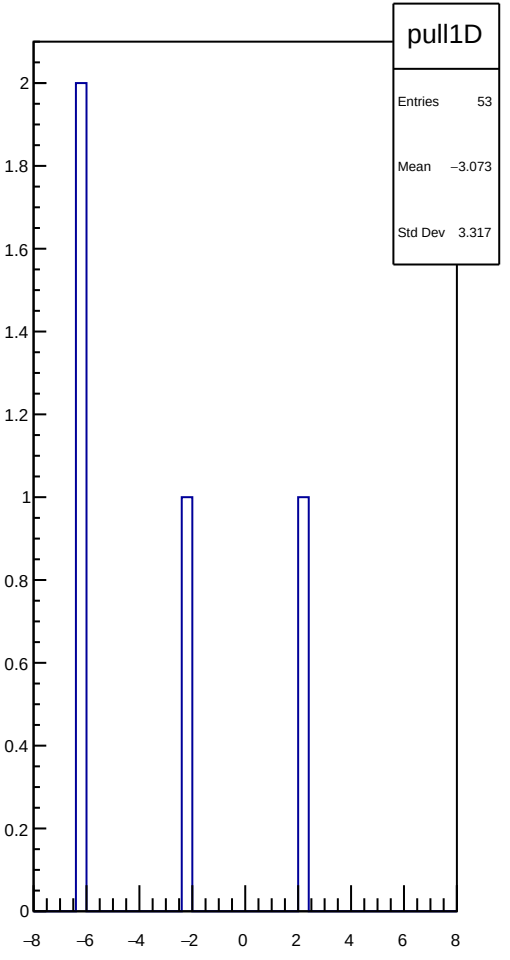

yield_bpm4acX_rms vs run
χ² / ndf 3736 / 52
p0 0.008379 ± 8.201e−06
0.013
0.012
0.011
0.01
0.009
0.008

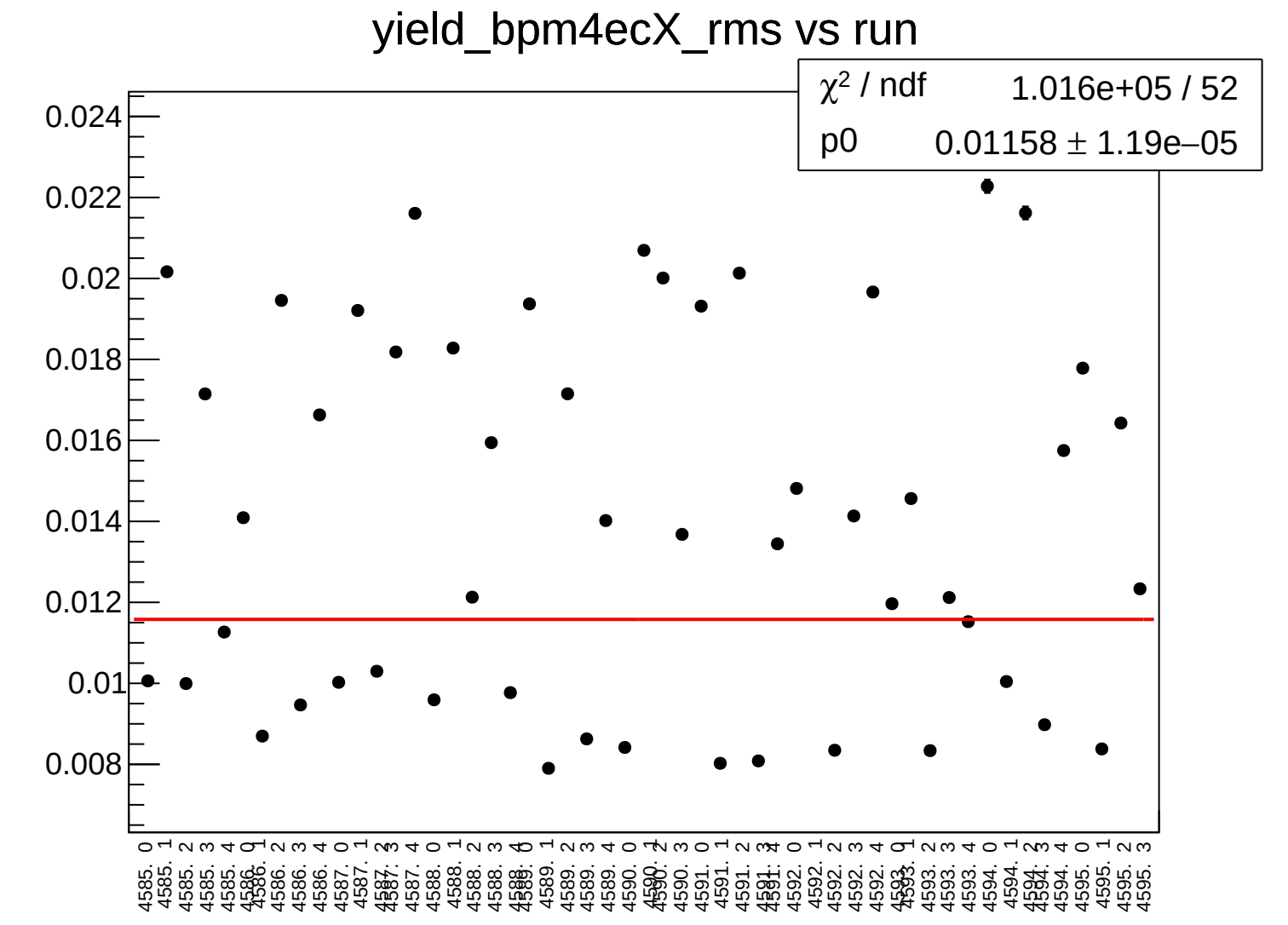

yield_bpm4acY_mean vs run
χ² / ndf 4.308e+04 / 52
p0 1.602 ± 1.833e−05
1.61
1.605
1.6
1.595
1.59
pull
Entries 53
Mean 67.89
Std Dev 53.94
60
40
20
0
−20
−40
−60
−80

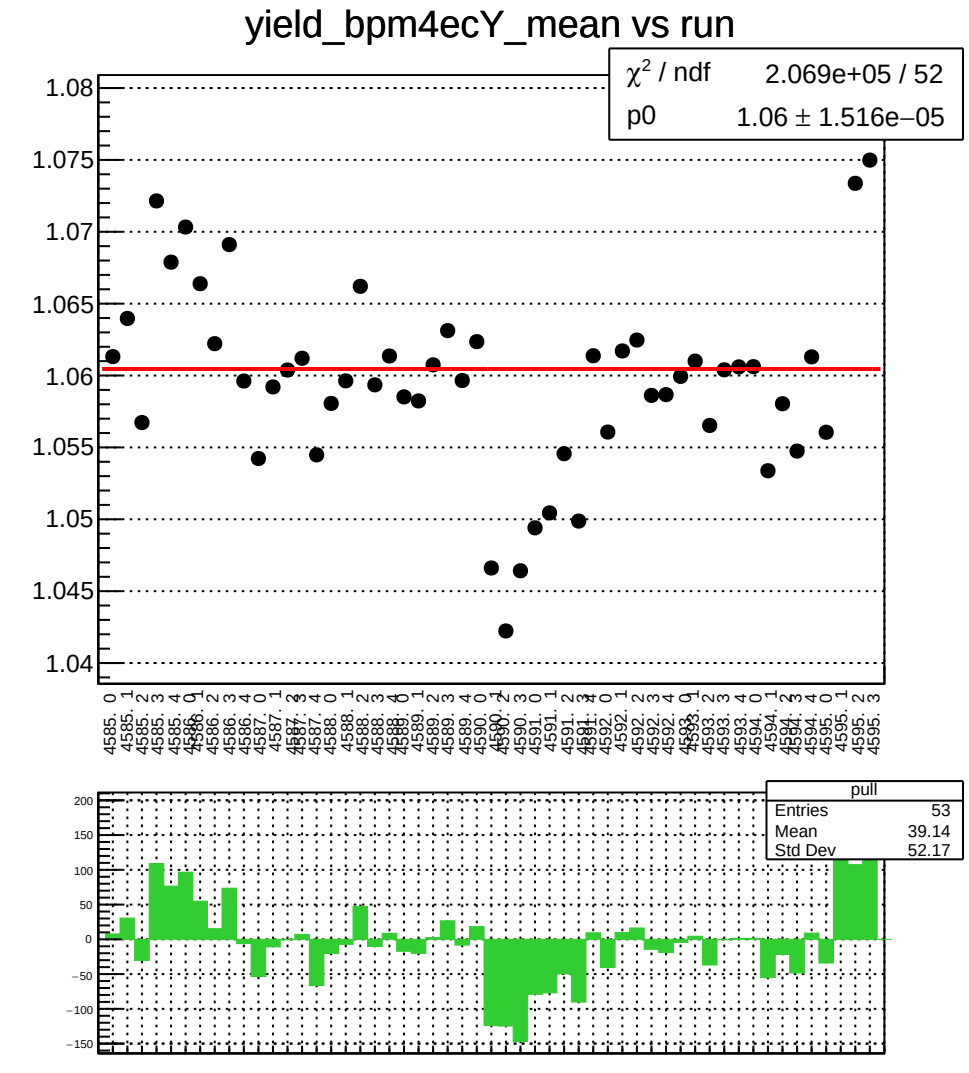

pull1D
Entries 53
Mean 1.141
Std Dev 4.855
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

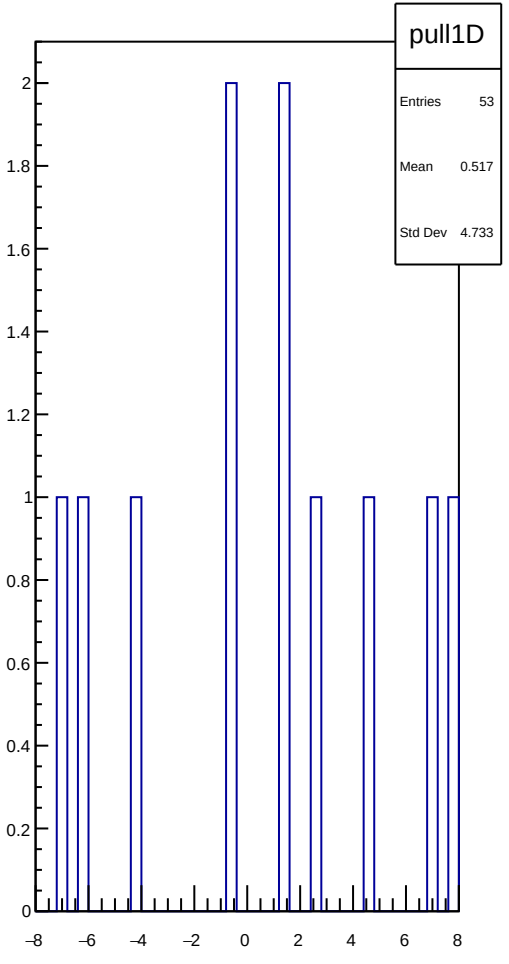

yield_bpm4acY_rms vs run
χ² / ndf 4516 / 52
p0 0.01324 ± 1.296e−05
0.016
0.015
0.014
0.013
0.012
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

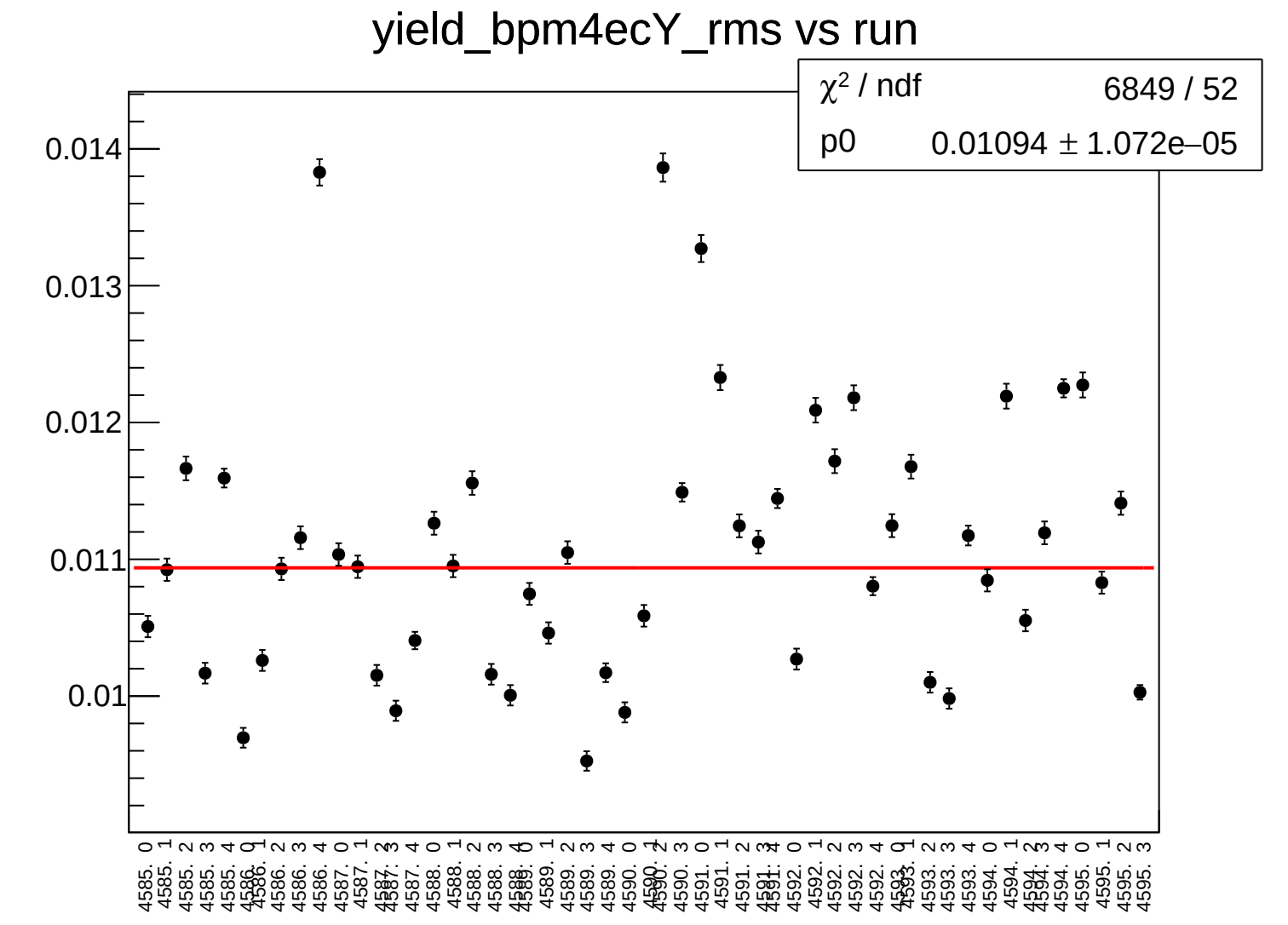

yield_bpm4ecX_mean vs run
χ² / ndf 1.642e+05 / 52
p0 0.2083 ± 1.684e−05
0.22
0.215
0.21
0.205
0.2
0.195
0.19
pull
Entries 53
Mean 18.57
Std Dev 23.79
100
50
0
−50
−100

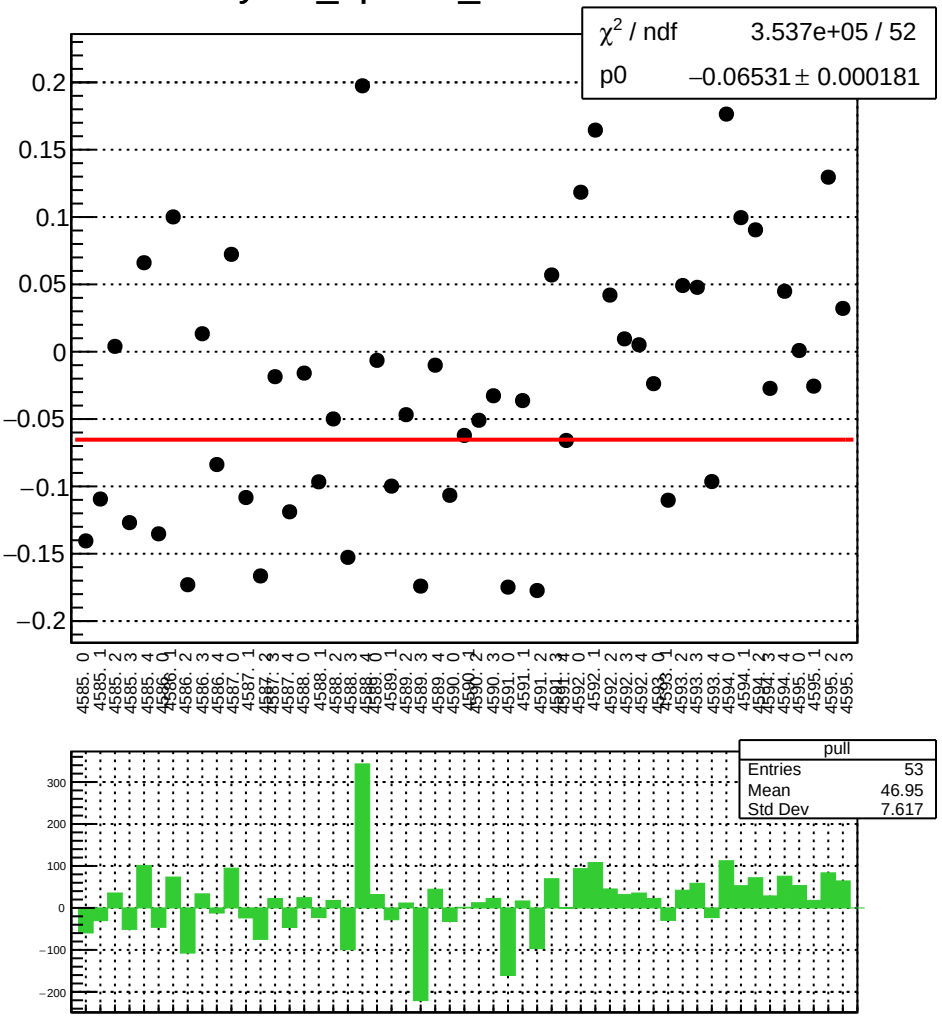

pull1D
Entries 53
Mean −3.073
Std Dev 3.317
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

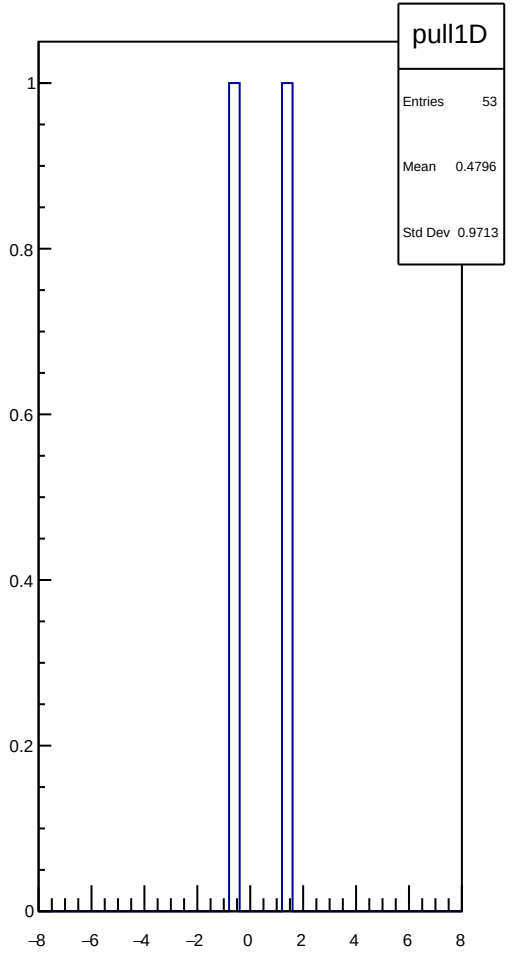

yield_bpm4ecX_rms vs run
χ² / ndf 1.016e+05 / 52
p0 0.01158 ± 1.19e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

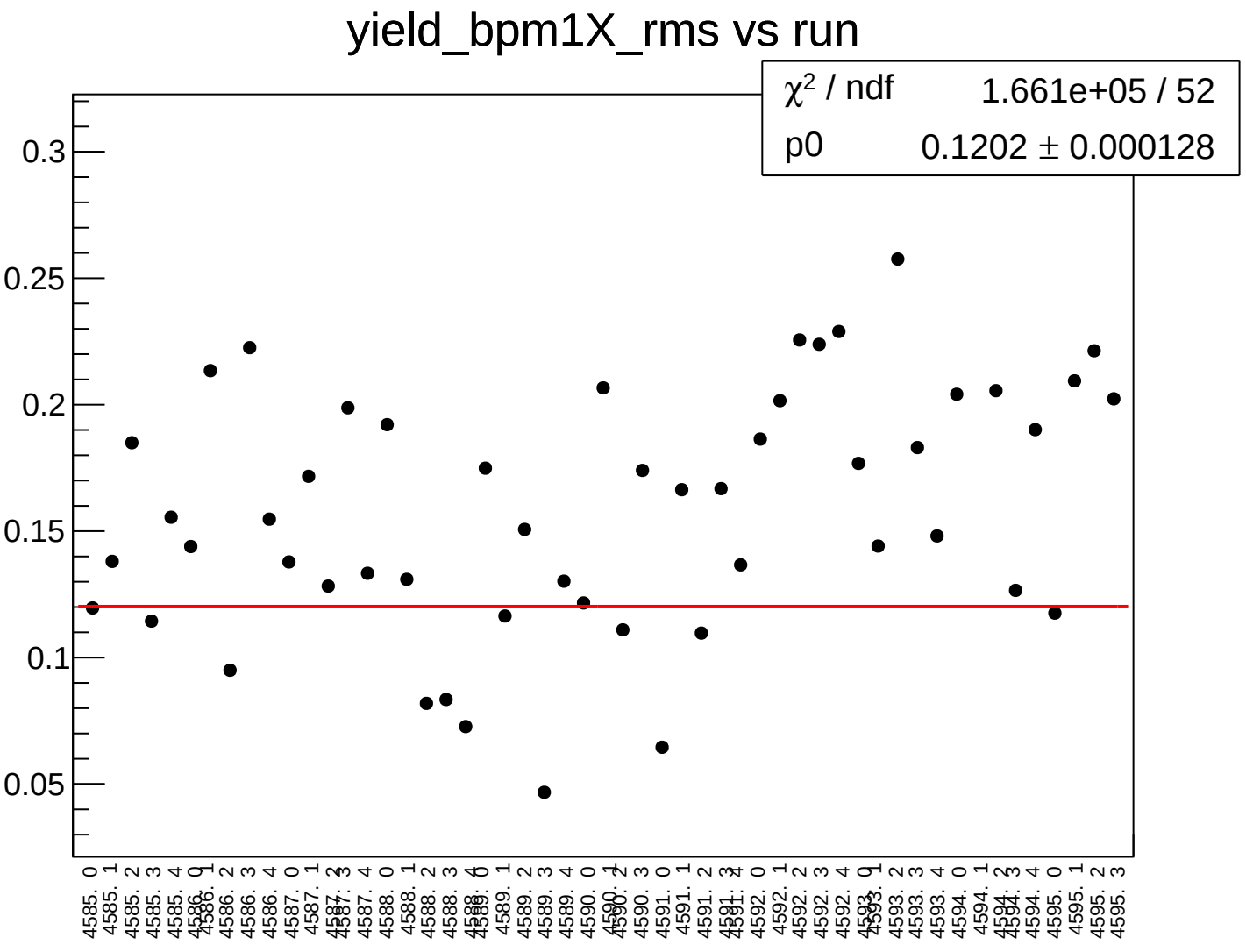

yield_bpm4ecY_mean vs run
χ² / ndf 2.069e+05 / 52
p0 1.06 ± 1.516e−05
1.08
1.075
1.07
1.065
1.06
1.055
1.05
1.045
1.04
pull
Entries 53
Mean 39.14
Std Dev 52.17
200
150
100
50
0
−50
−100
−150

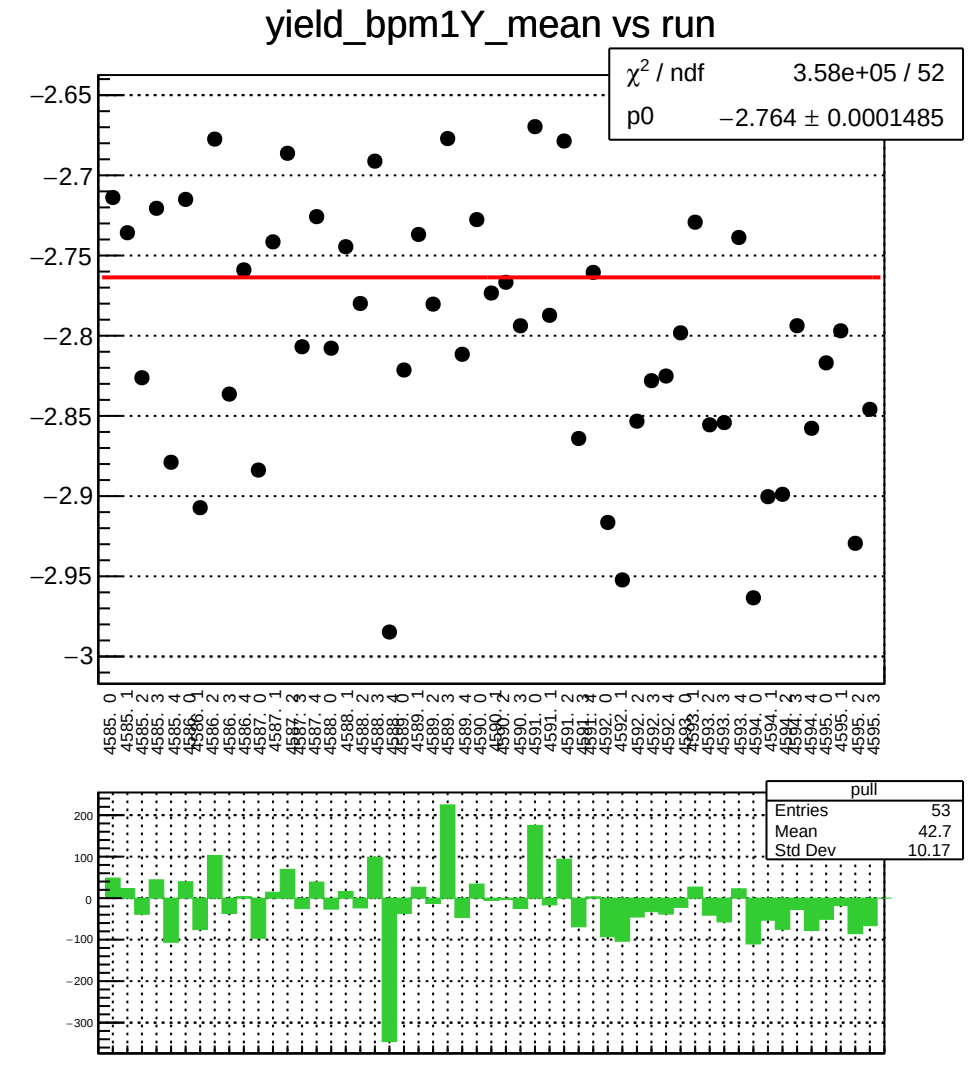

pull1D
Entries 53
Mean 0.517
Std Dev 4.733
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

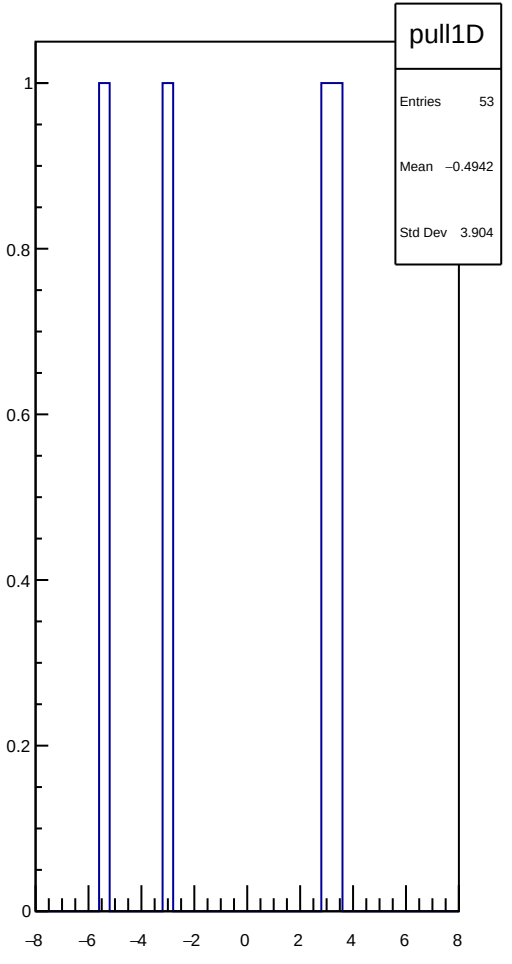

yield_bpm4ecY_rms vs run
χ² / ndf 6849 / 52
p0 0.01094 ± 1.072e−05
0.014
0.013
0.012
0.011
0.01
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

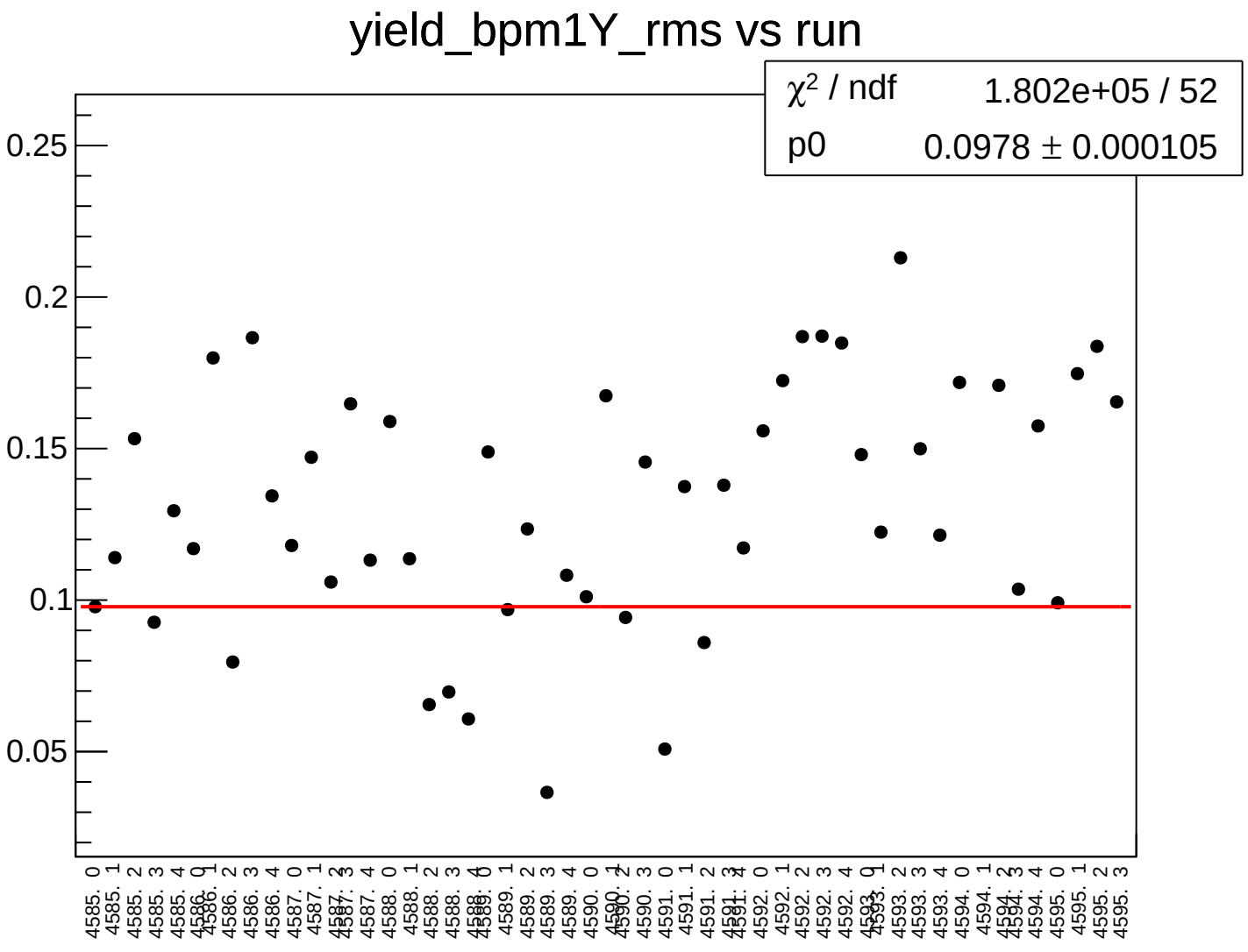

yield_bpm1X_mean vs run
χ² / ndf 3.537e+05 / 52
p0 −0.06531 ± 0.000181
pull
Entries 53
Mean 46.95
Std Dev 7.617

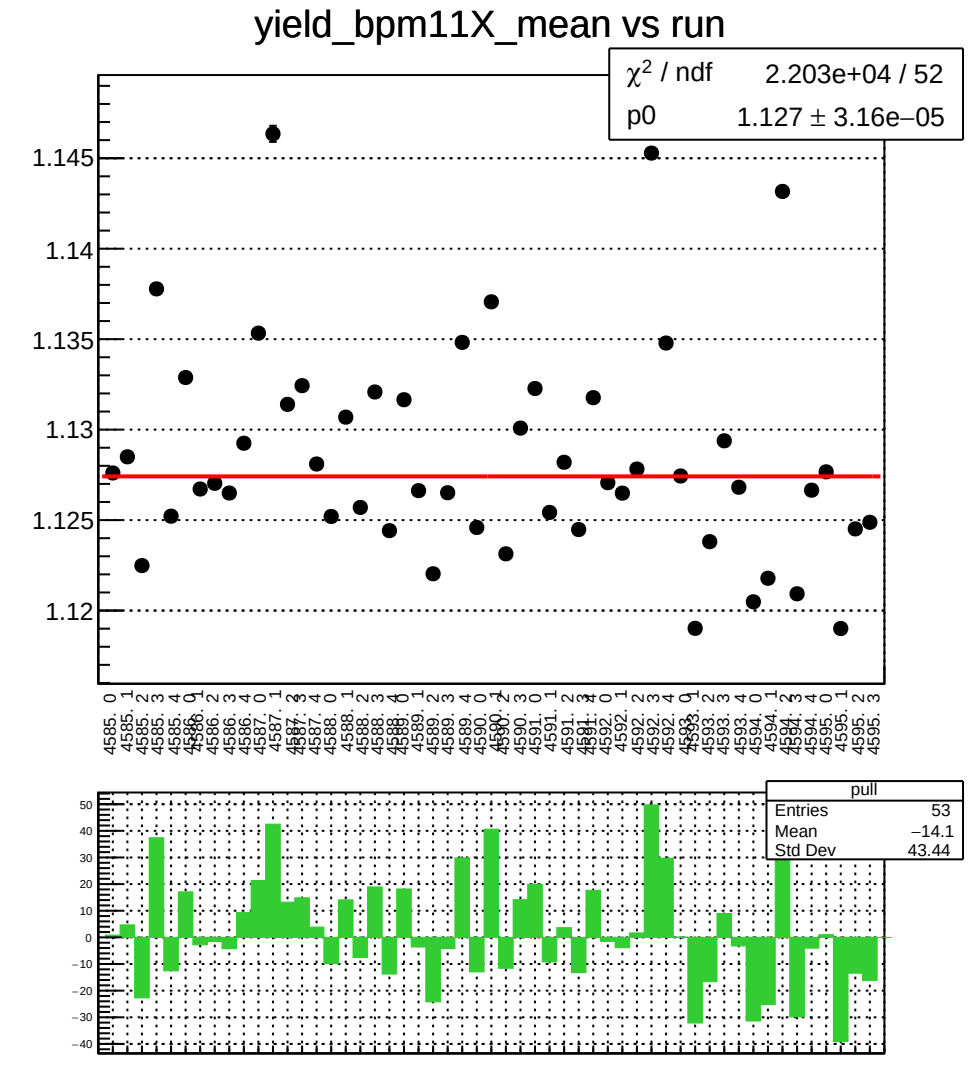

pull1D
Entries 53
Mean 0.4796
Std Dev 0.9713

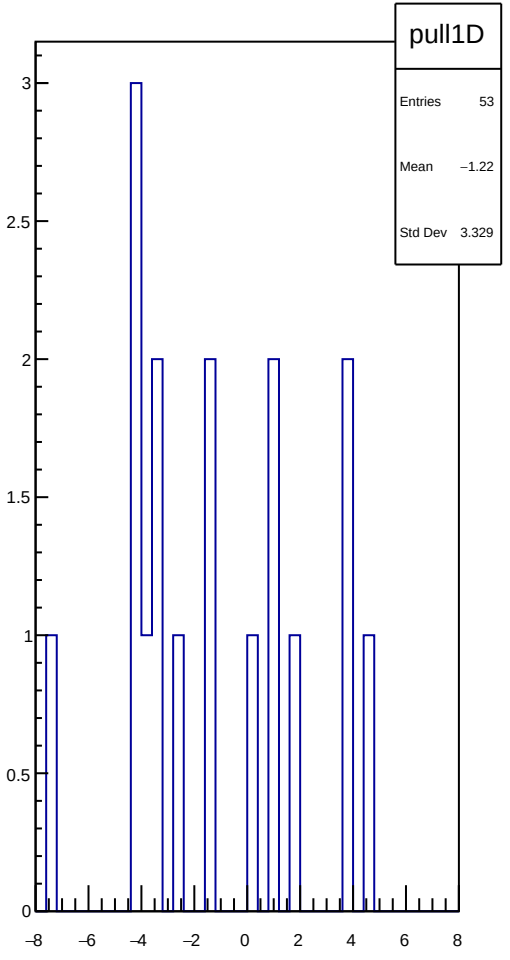

yield_bpm1X_rms vs run
χ² / ndf 1.661e+05 / 52
p0 0.1202 ± 0.000128
0.3
0.25
0.2
0.15
0.1
0.05

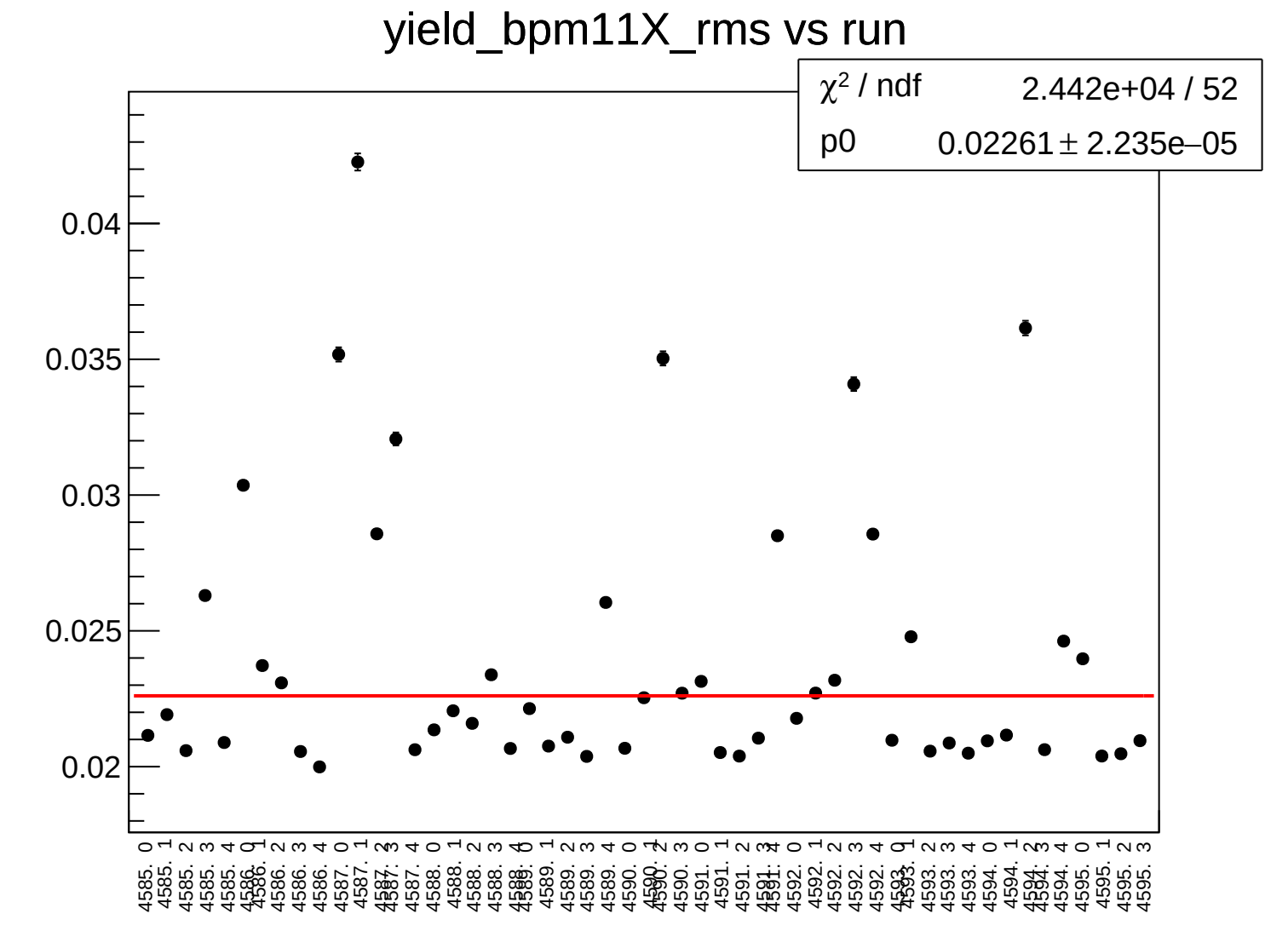

yield_bpm1Y_mean vs run
χ² / ndf 3.58e+05 / 52
p0 −2.764 ± 0.0001485
−2.65
−2.7
−2.75
−2.8
−2.85
−2.9
−2.95
−3
pull
Entries 53
Mean 42.7
Std Dev 10.17
200
100
0
−100
−200
−300

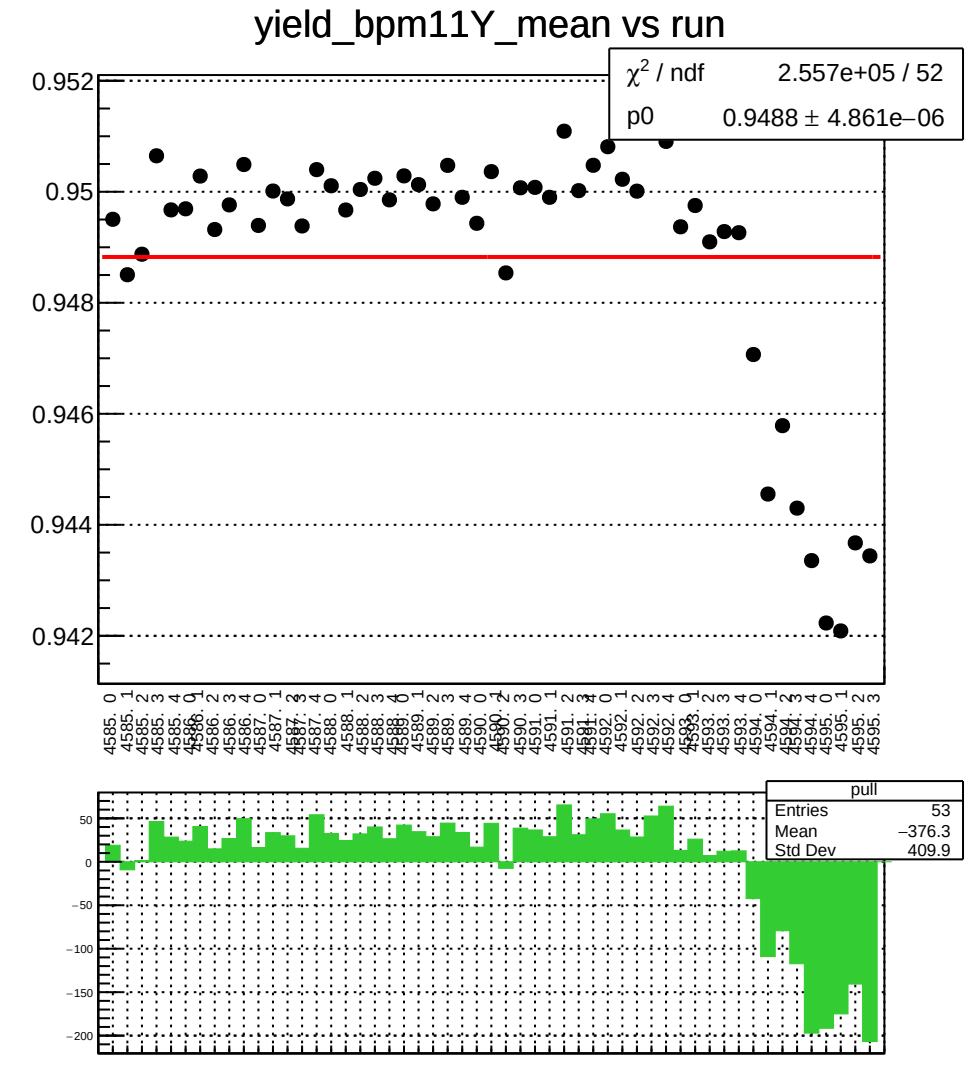

pull1D
Entries 53
Mean −0.4942
Std Dev 3.904
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

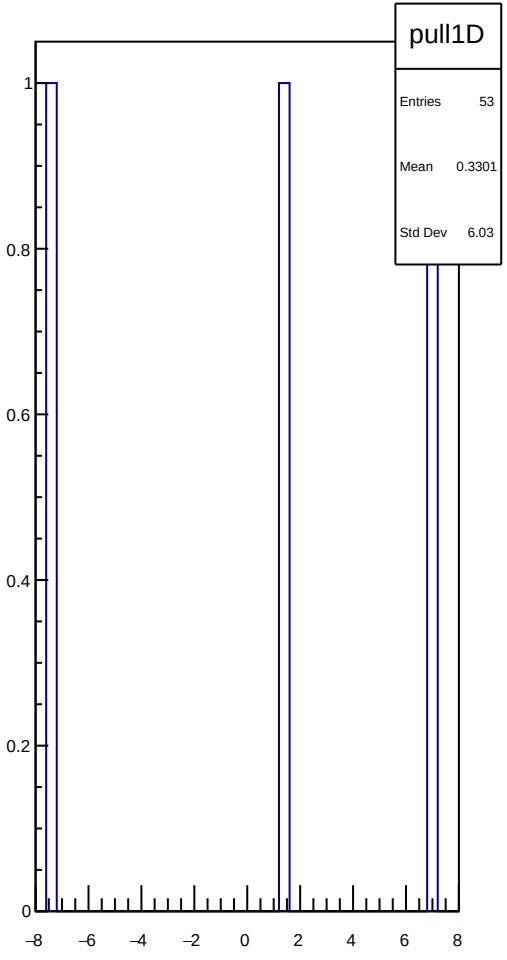

yield_bpm1Y_rms vs run
χ² / ndf 1.802e+05 / 52
p0 0.0978 ± 0.000105
0.25
0.2
0.15
0.1
0.05
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

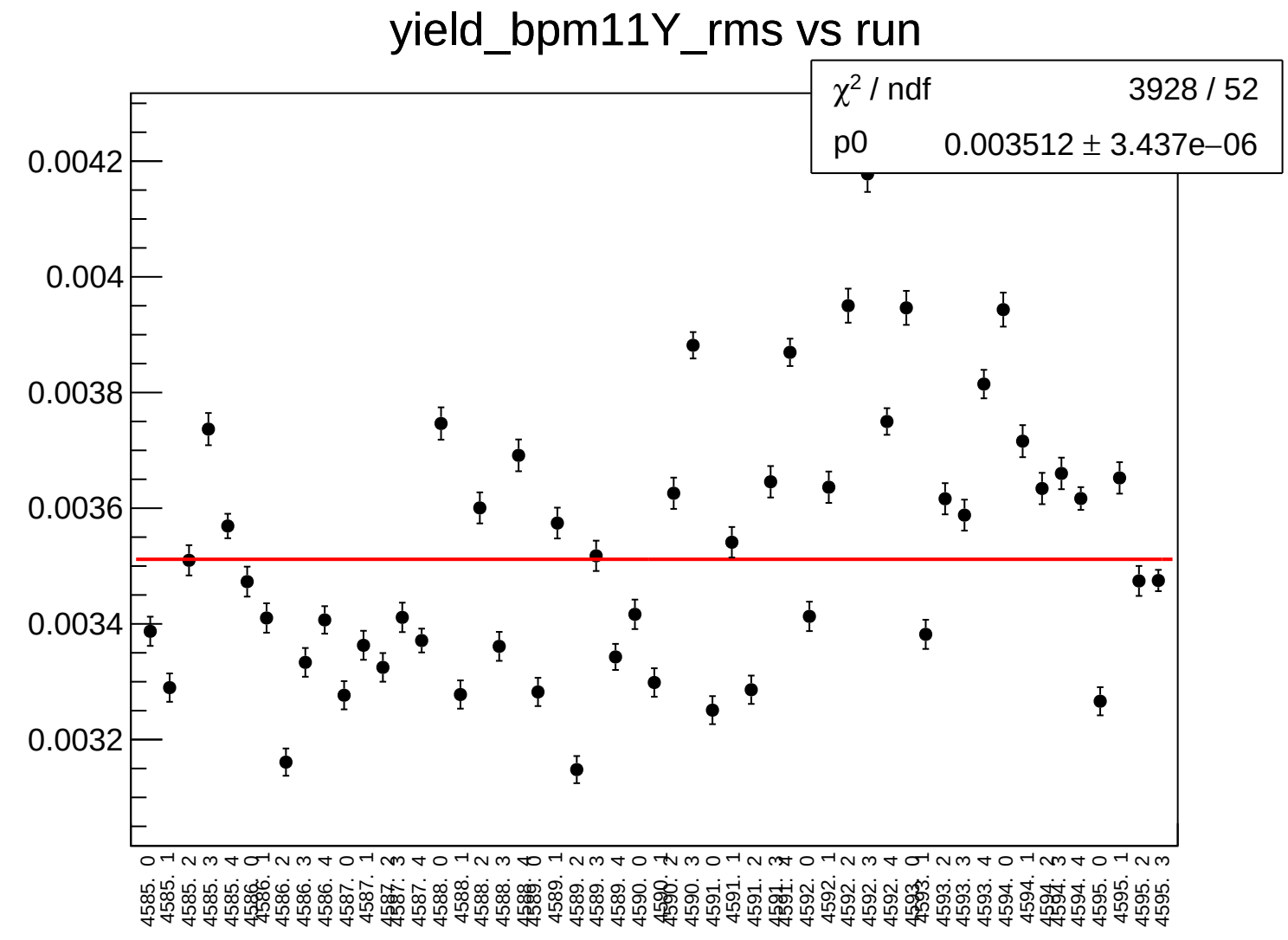

yield_bpm11X_mean vs run
χ² / ndf 2.203e+04 / 52
p0 1.127 ± 3.16e−05
1.145
1.14
1.135
1.13
1.125
1.12
pull
Entries 53
Mean −14.1
Std Dev 43.44
50
40
30
20
10
0
−10
−20
−30
−40

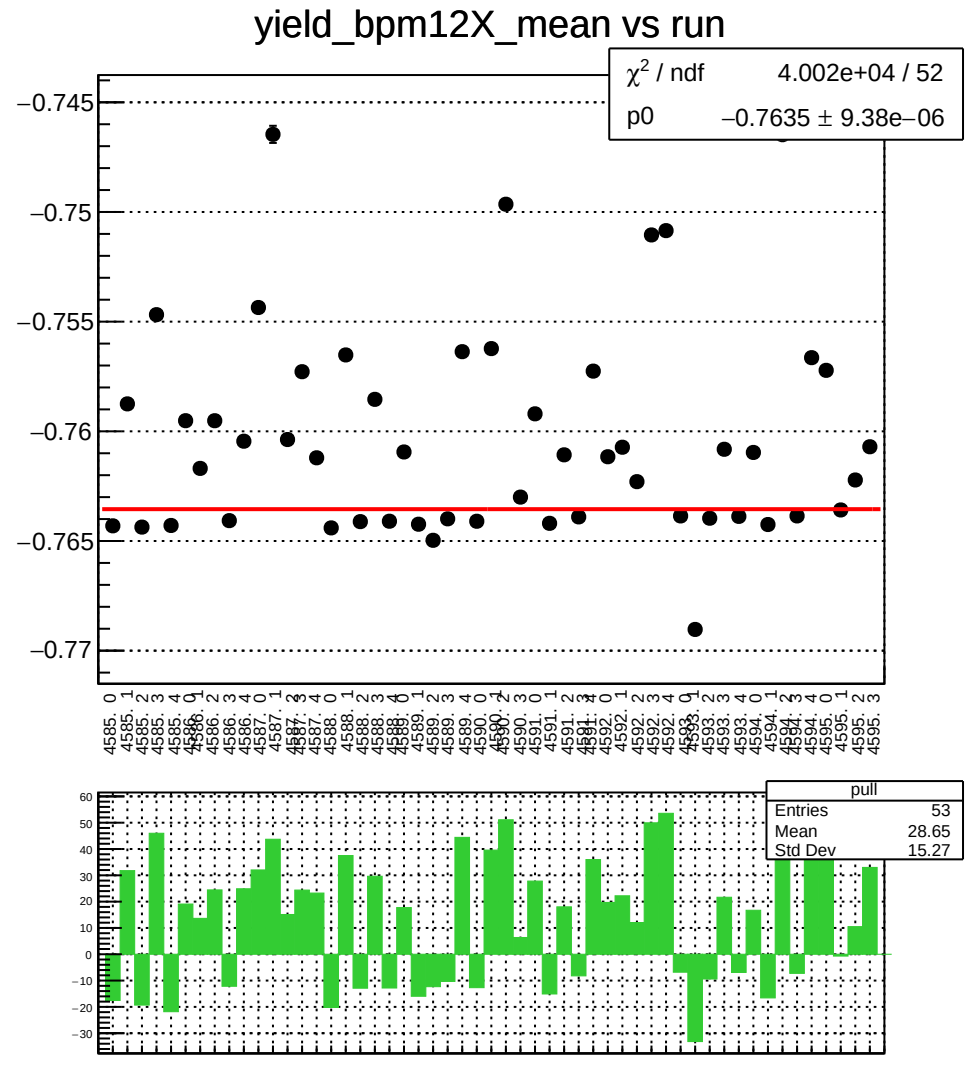

pull1D
Entries 53
Mean −1.22
Std Dev 3.329
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

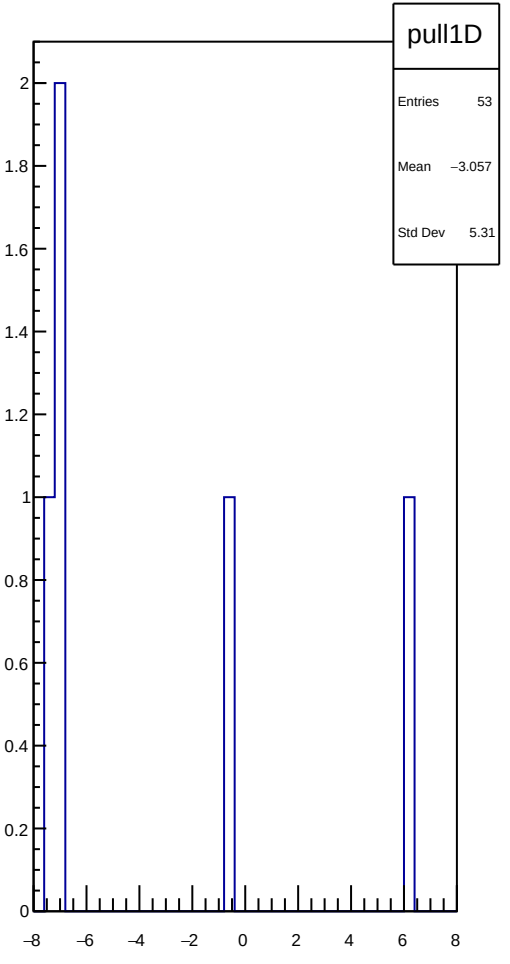

yield_bpm11X_rms vs run
χ² / ndf 2.442e+04 / 52
p0 0.02261 ± 2.235e–05
0.04
0.035
0.03
0.025
0.02
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

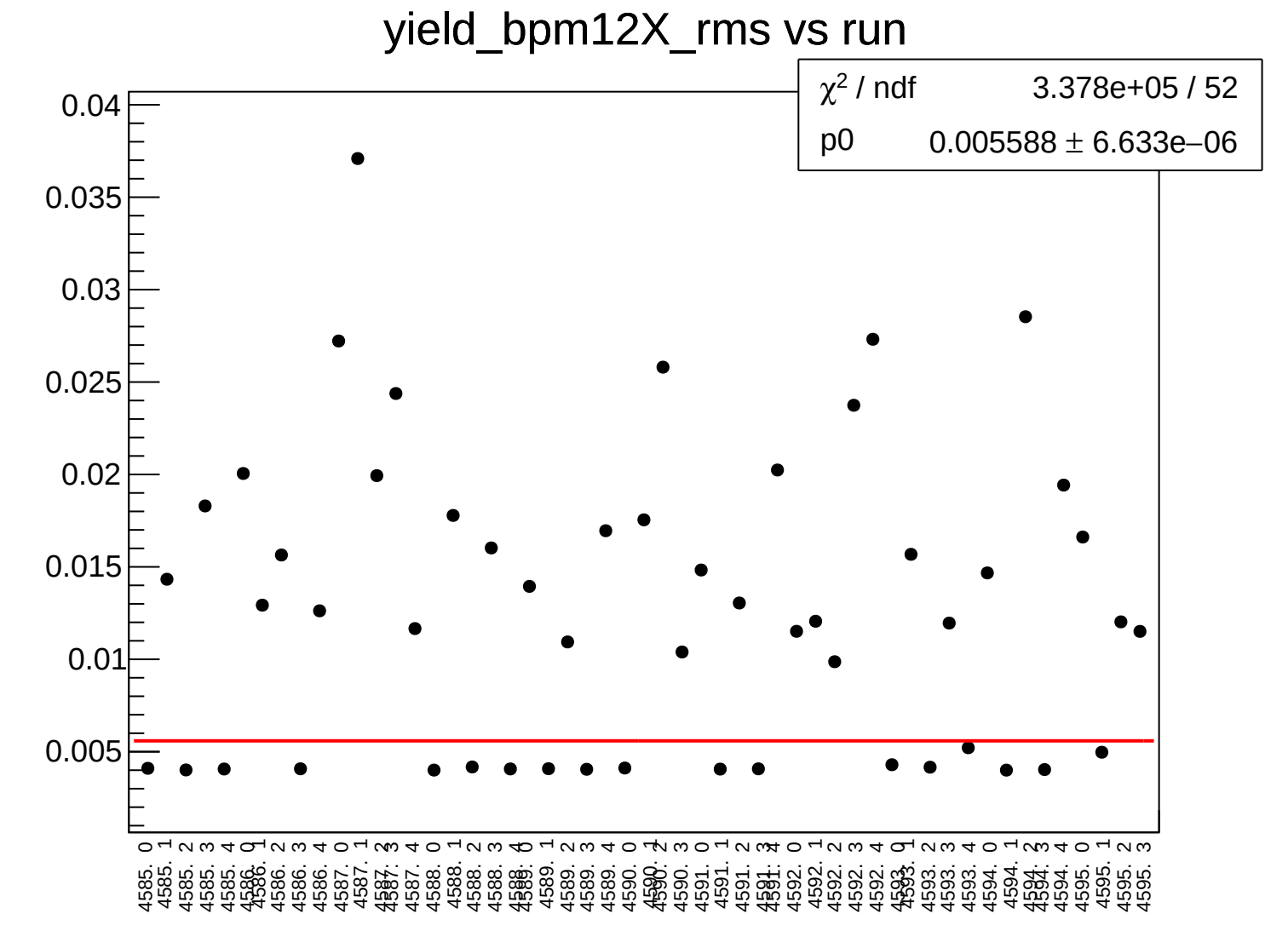

yield_bpm11Y_mean vs run
χ² / ndf 2.557e+05 / 52
p0 0.9488 ± 4.861e−06
0.952
0.95
0.948
0.946
0.944
0.942
pull
Entries 53
Mean −376.3
Std Dev 409.9
50
0
−50
−100
−150
−200

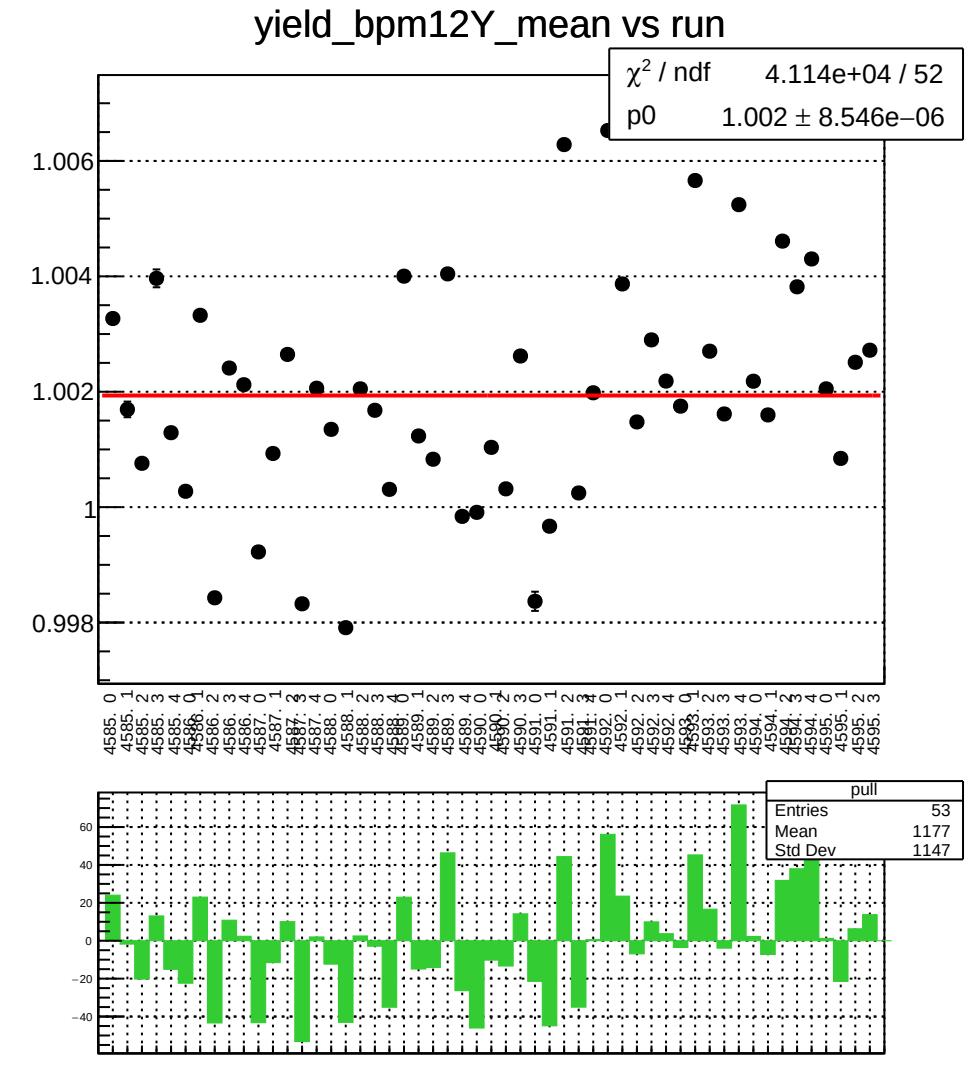

pull1D
Entries 53
Mean 0.3301
Std Dev 6.03
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

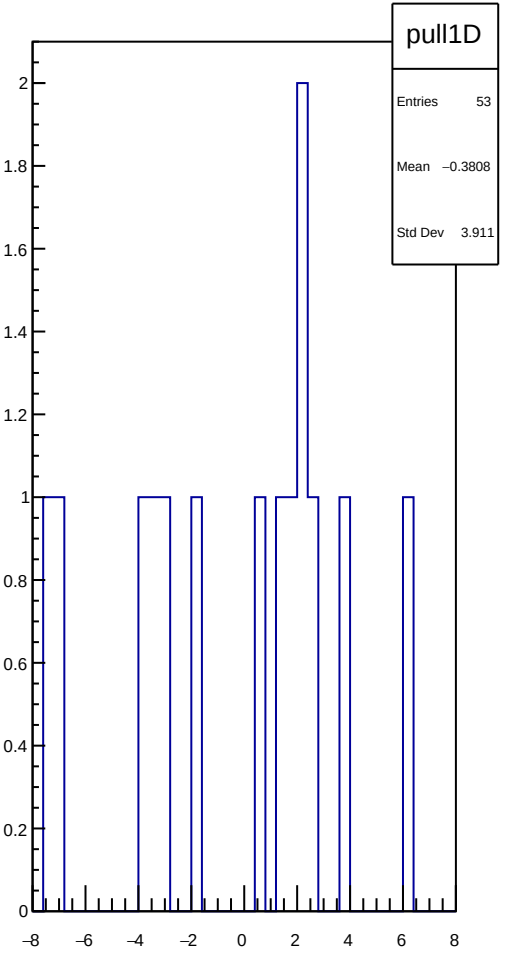

yield_bpm11Y_rms vs run
χ² / ndf 3928 / 52
p0 0.003512 ± 3.437e−06
0.0042
0.004
0.0038
0.0036
0.0034
0.0032

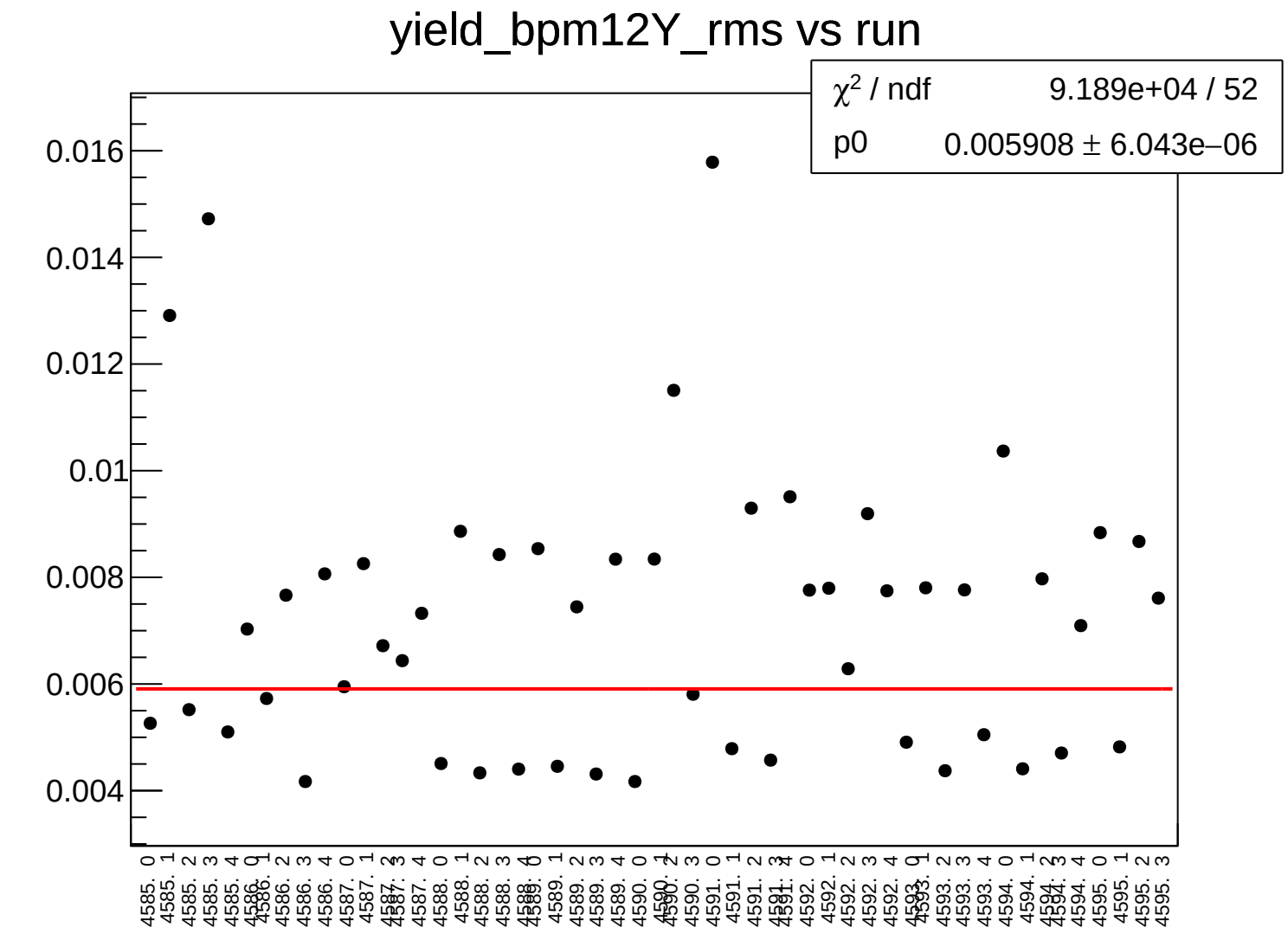

yield_bpm12X_mean vs run
χ² / ndf 4.002e+04 / 52
p0 −0.7635 ± 9.38e−06
−0.745
−0.75
−0.755
−0.76
−0.765
−0.77
pull
Entries 53
Mean 28.65
Std Dev 15.27
60
50
40
30
20
10
0
−10
−20
−30

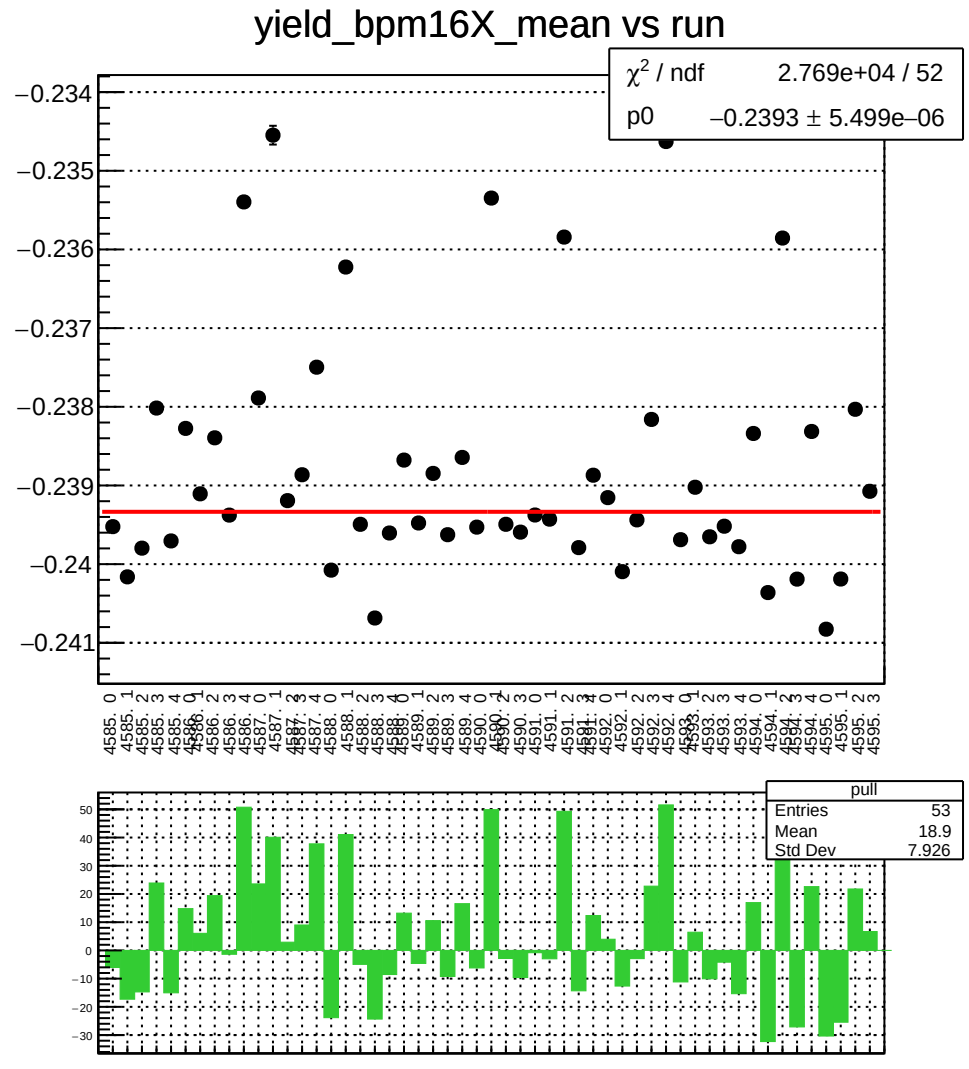

pull1D
Entries 53
Mean −3.057
Std Dev 5.31
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

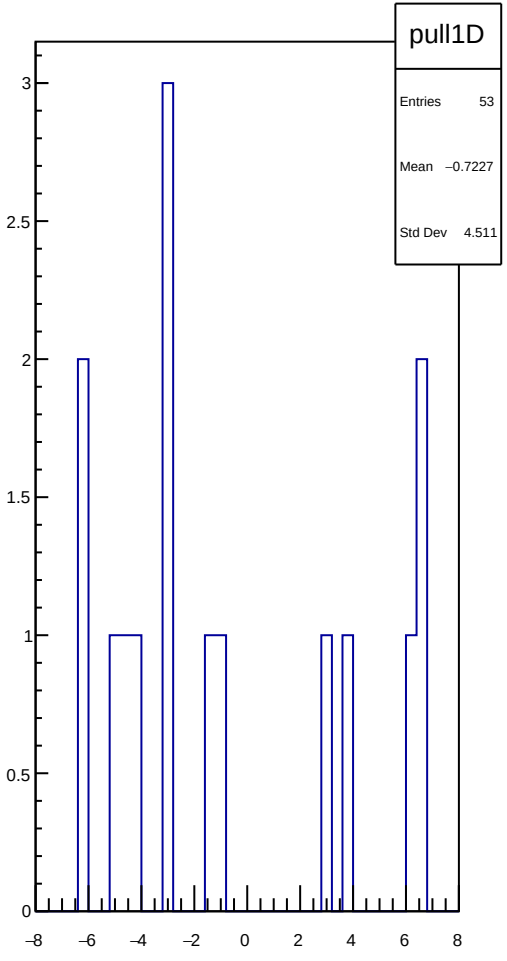

yield_bpm12X_rms vs run
χ^2 / ndf 3.378e+05 / 52
p0 0.005588 ± 6.633e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4590. 4
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

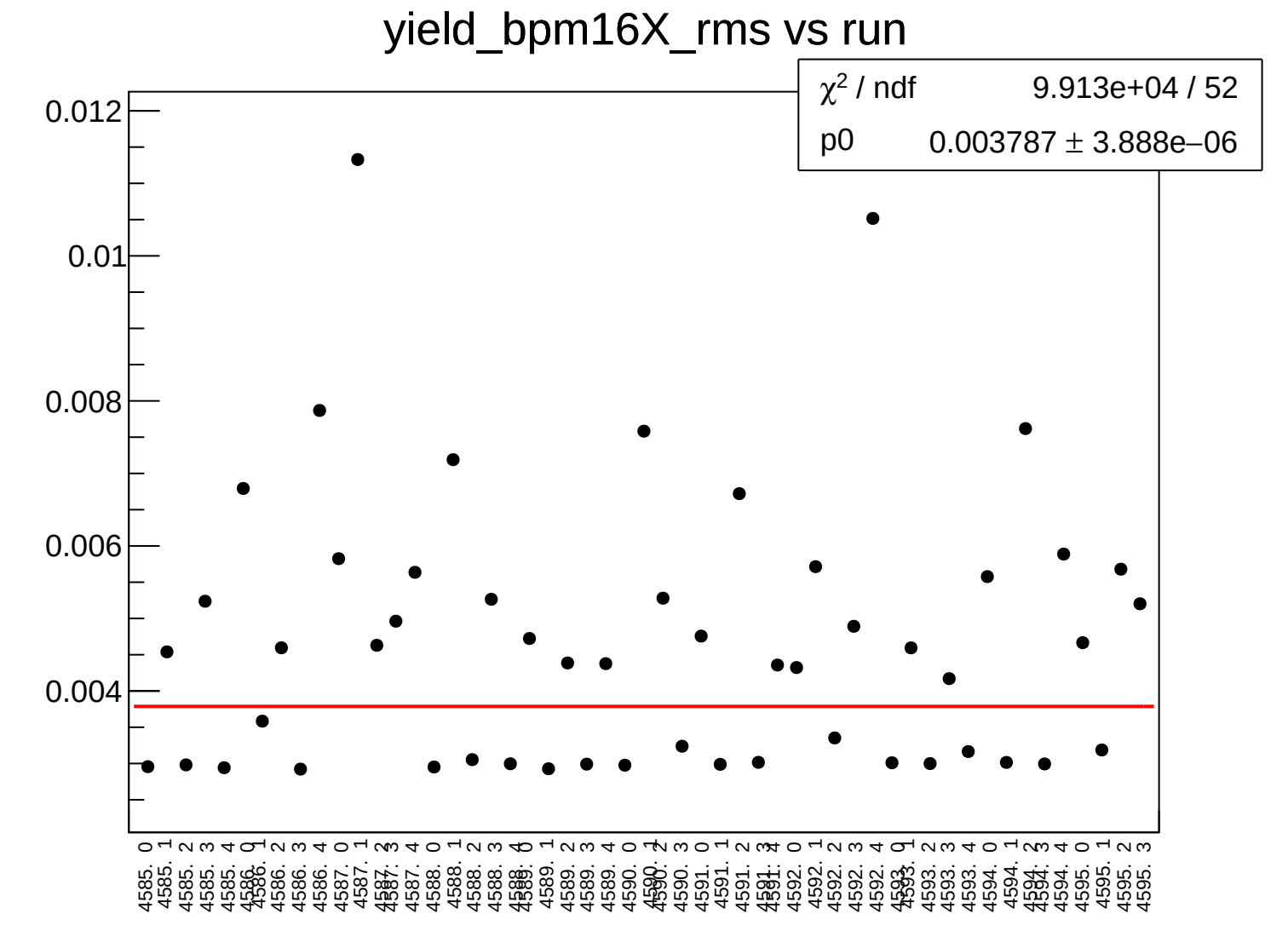

yield_bpm12Y_mean vs run
χ² / ndf 4.114e+04 / 52
p0 1.002 ± 8.546e−06
1.006
1.004
1.002
1
0.998
pull
Entries 53
Mean 1177
Std Dev 1147
60
40
20
0
−20
−40

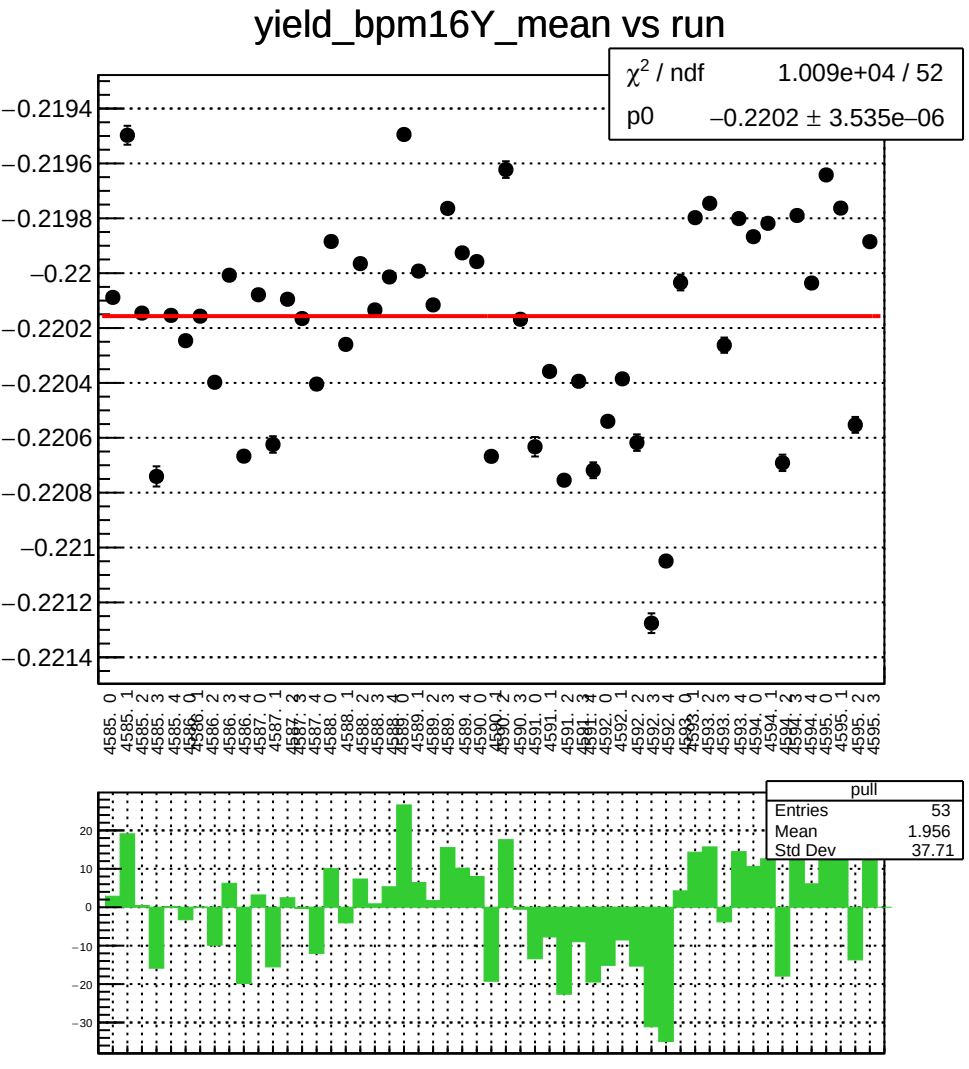

pull1D
Entries 53
Mean −0.3808
Std Dev 3.911
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

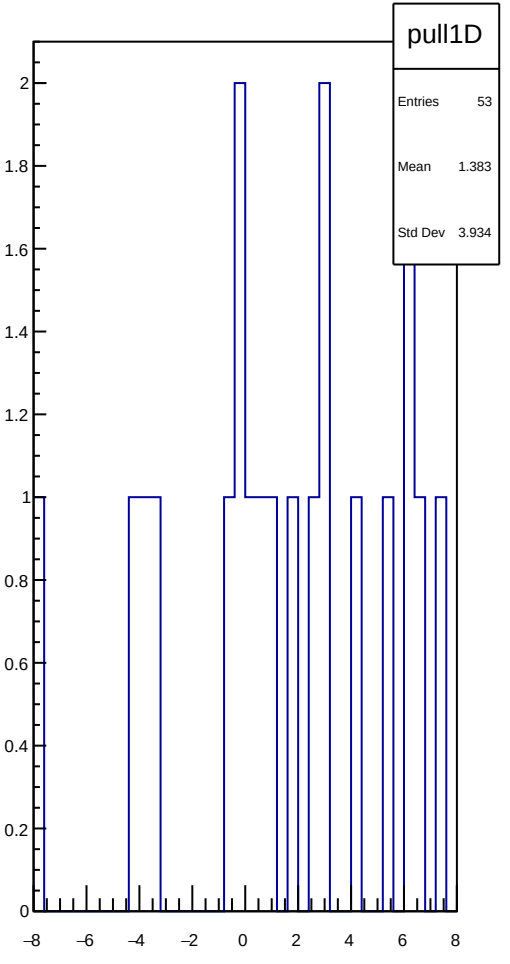

yield_bpm12Y_rms vs run
χ² / ndf 9.189e+04 / 52
p0 0.005908 ± 6.043e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

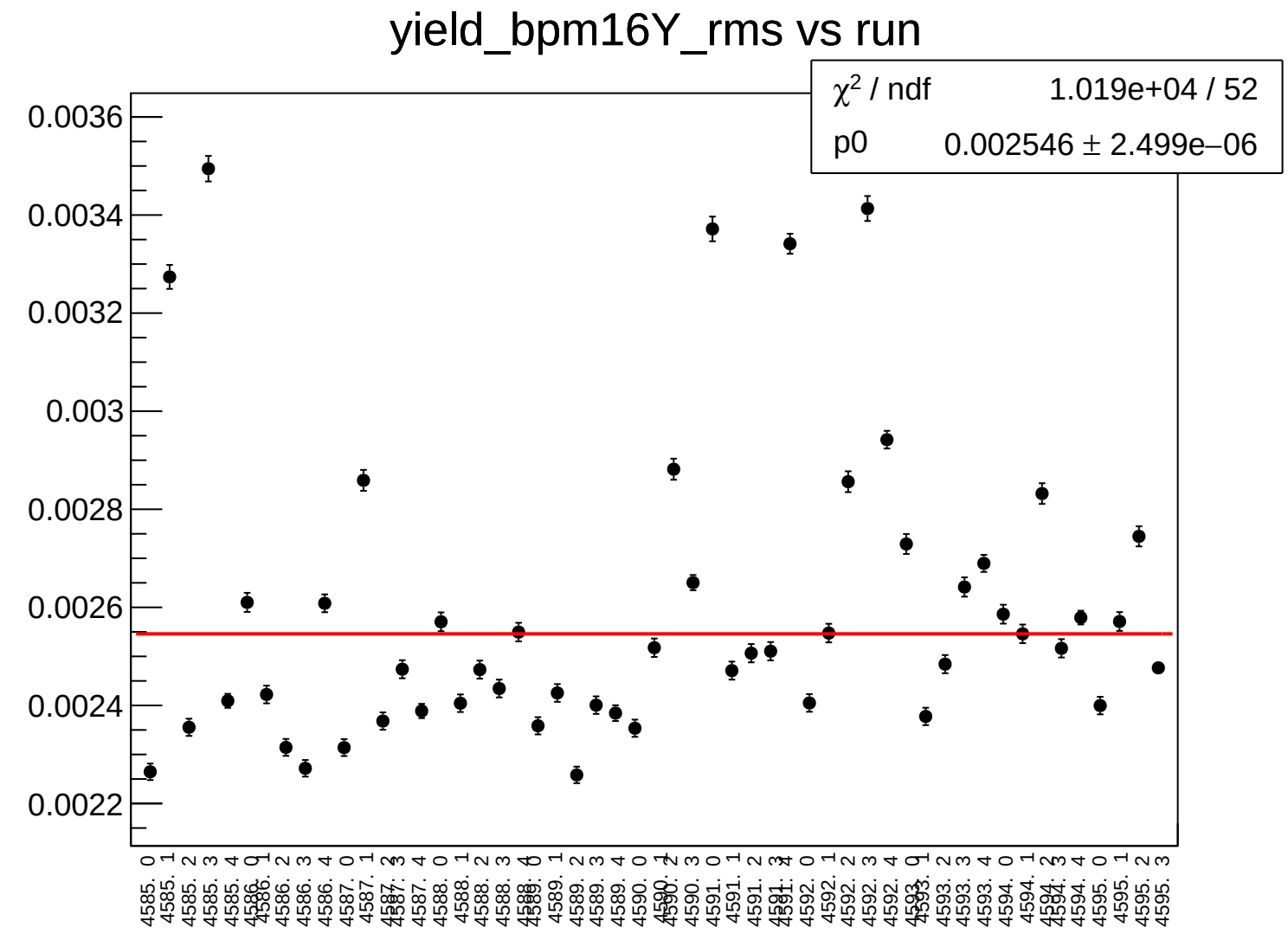

yield_bpm16X_mean vs run
χ² / ndf 2.769e+04 / 52
p0 −0.2393 ± 5.499e−06
−0.234
−0.235
−0.236
−0.237
−0.238
−0.239
−0.24
−0.241
pull
Entries 53
Mean 18.9
Std Dev 7.926
50
40
30
20
10
0
−10
−20
−30

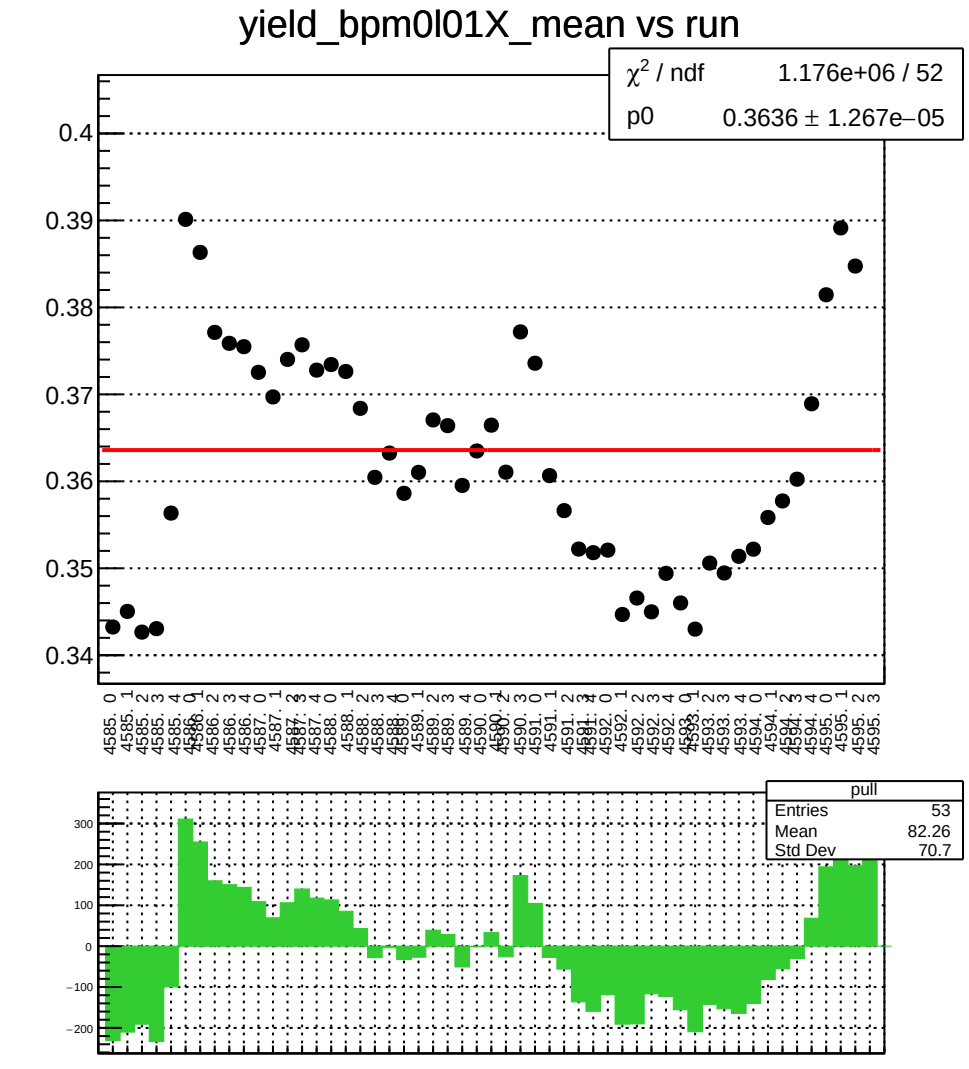

pull1D
Entries 53
Mean −0.7227
Std Dev 4.511
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

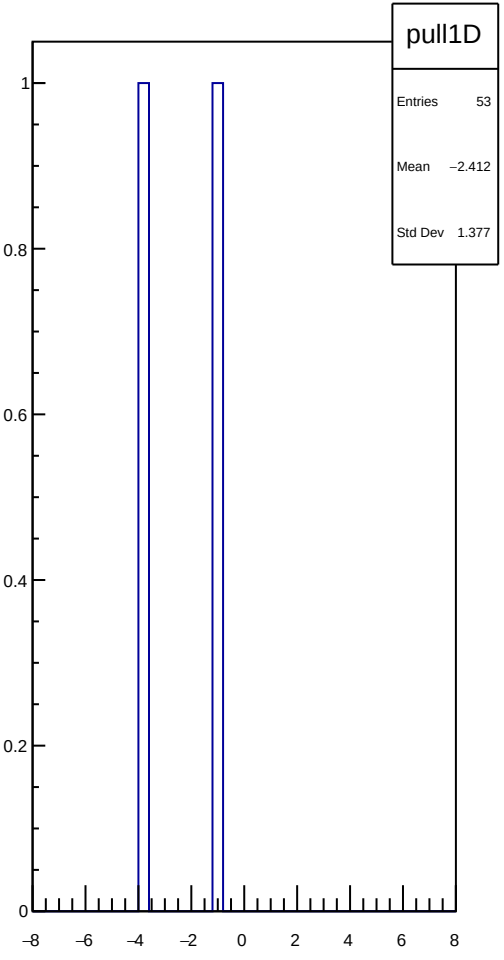

yield_bpm16X_rms vs run
χ² / ndf 9.913e+04 / 52
p0 0.003787 ± 3.888e−06
0.012
0.01
0.008
0.006
0.004

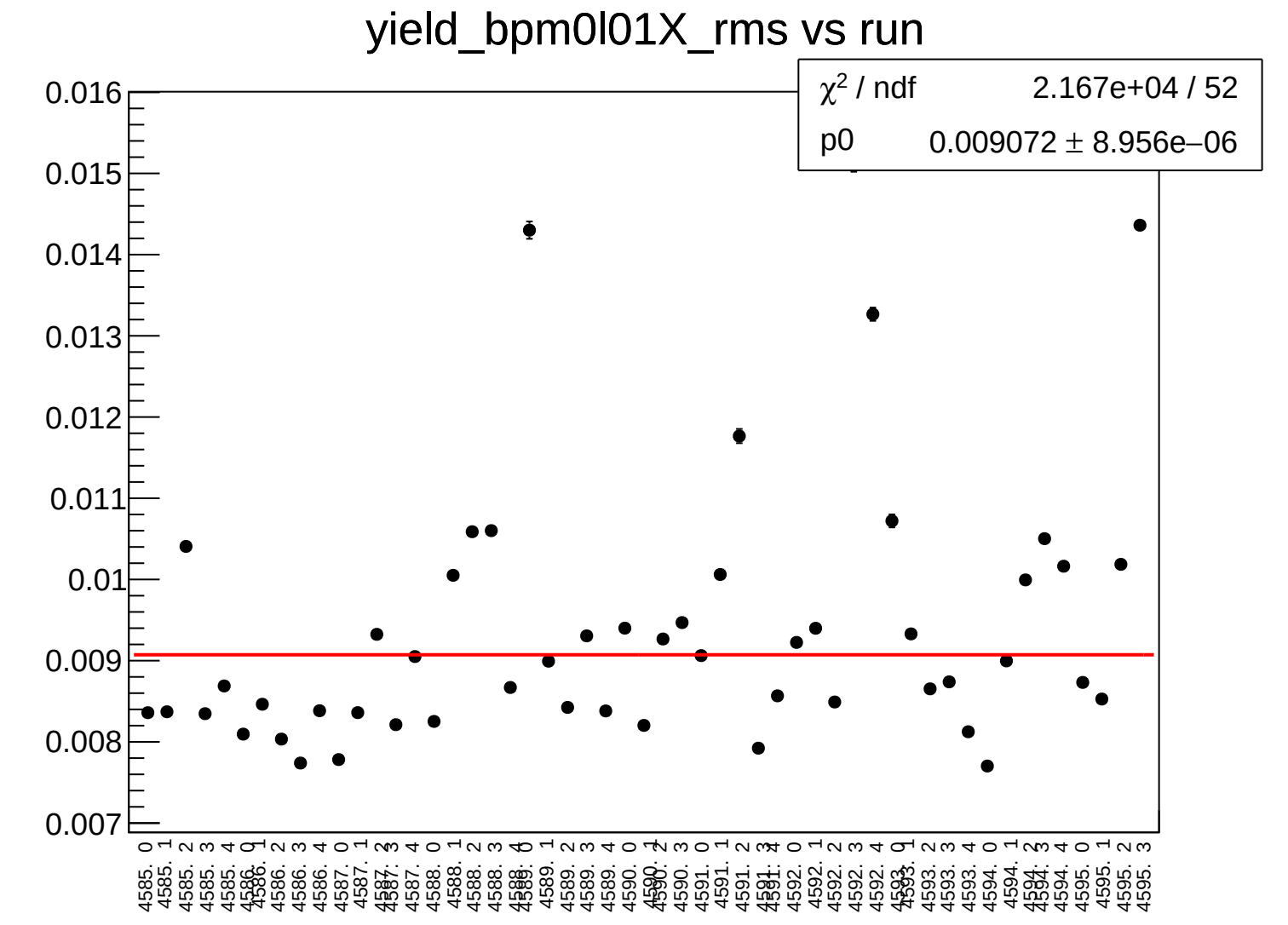

yield_bpm16Y_mean vs run
χ² / ndf 1.009e+04 / 52
p0 −0.2202 ± 3.535e−06
−0.2194
−0.2196
−0.2198
−0.22
−0.2202
−0.2204
−0.2206
−0.2208
−0.221
−0.2212
−0.2214
pull
Entries 53
Mean 1.956
Std Dev 37.71
20
10
0
−10
−20
−30

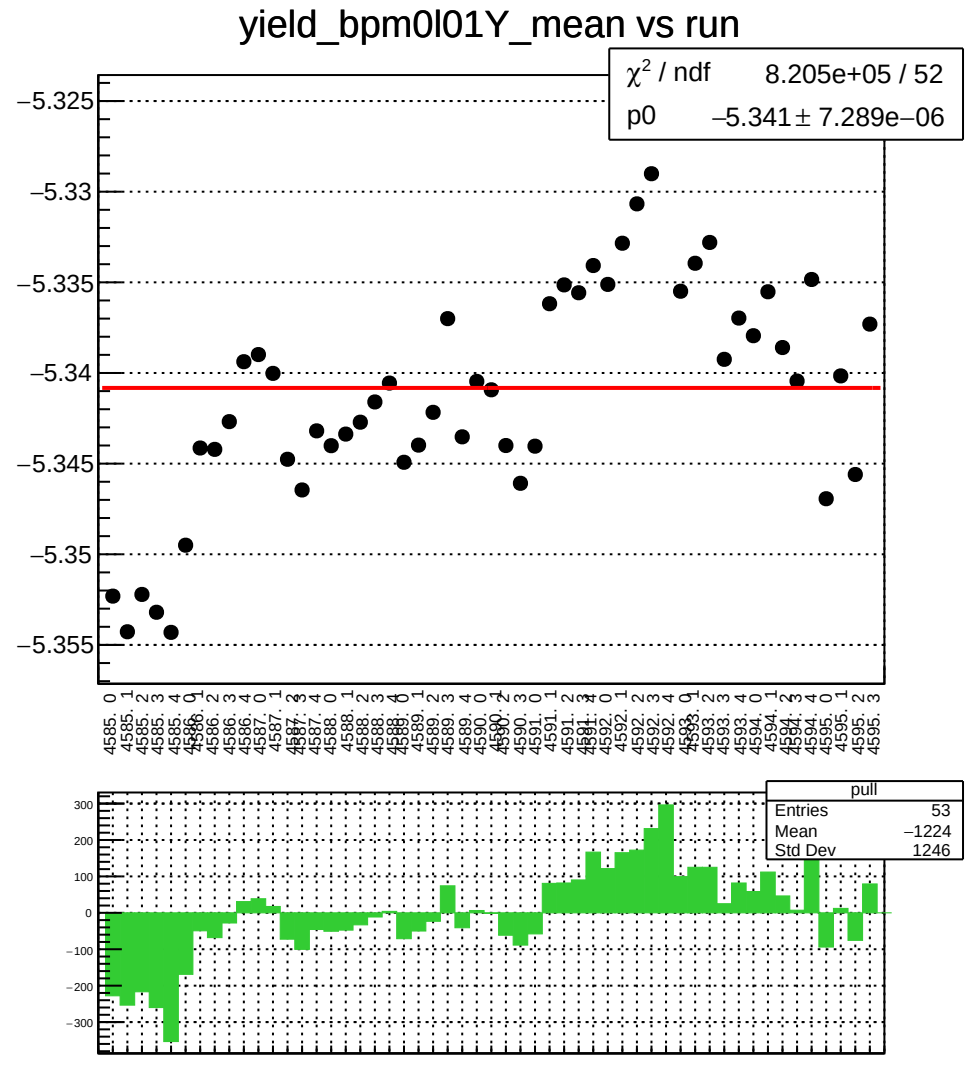

pull1D
Entries 53
Mean 1.383
Std Dev 3.934
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

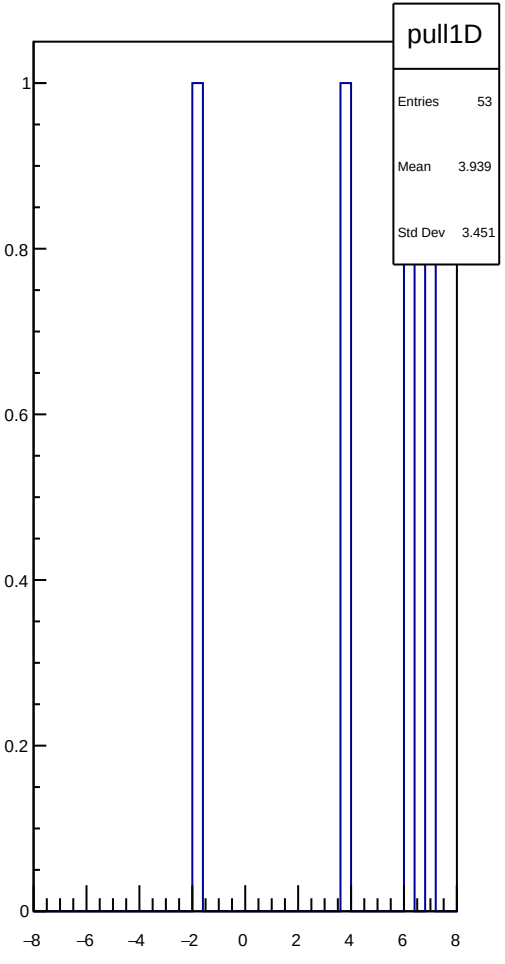

yield_bpm16Y_rms vs run
χ² / ndf 1.019e+04 / 52
p0 0.002546 ± 2.499e−06
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022

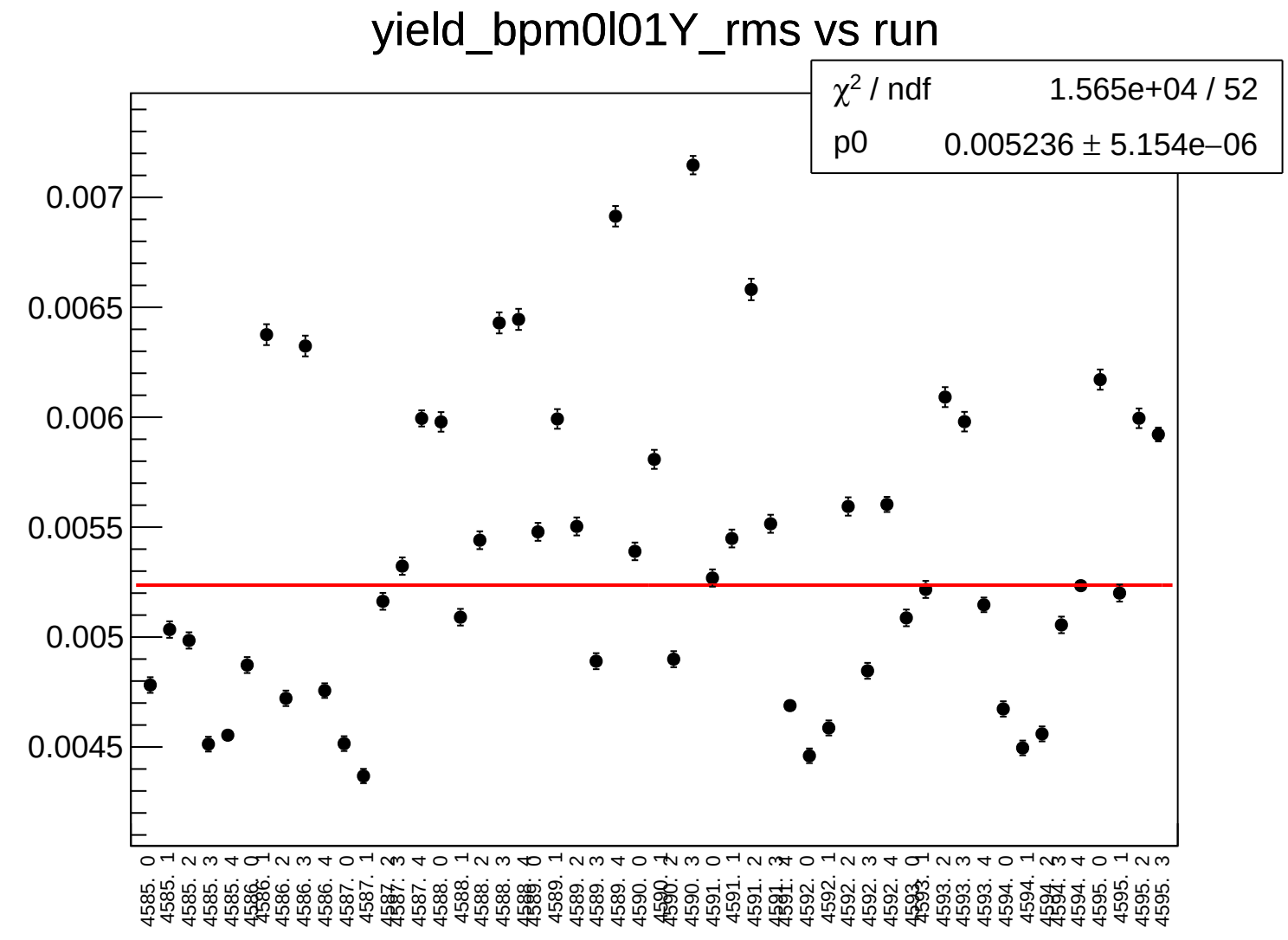

yield_bpm0l01X_mean vs run
χ² / ndf 1.176e+06 / 52
p0 0.3636 ± 1.267e−05
pull
Entries 53
Mean 82.26
Std Dev 70.7

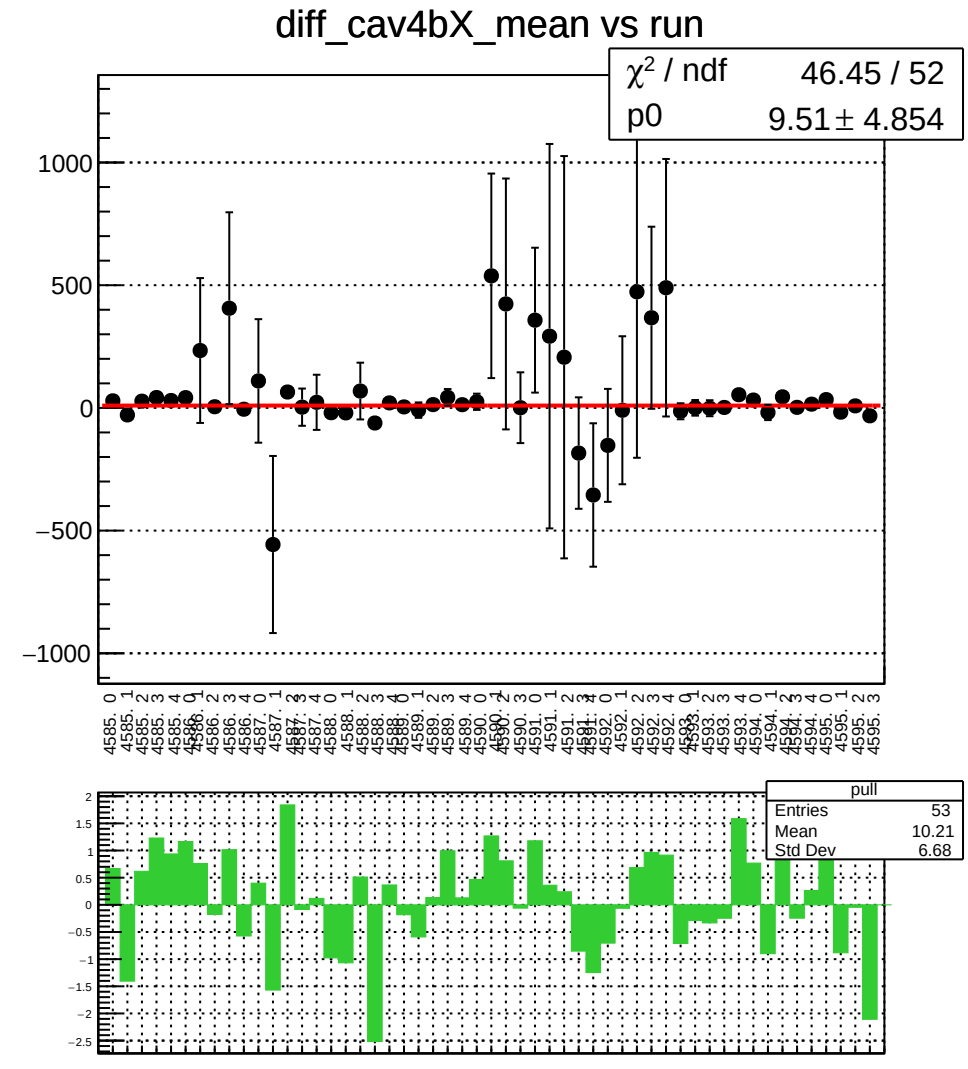

pull1D
Entries 53
Mean −2.412
Std Dev 1.377

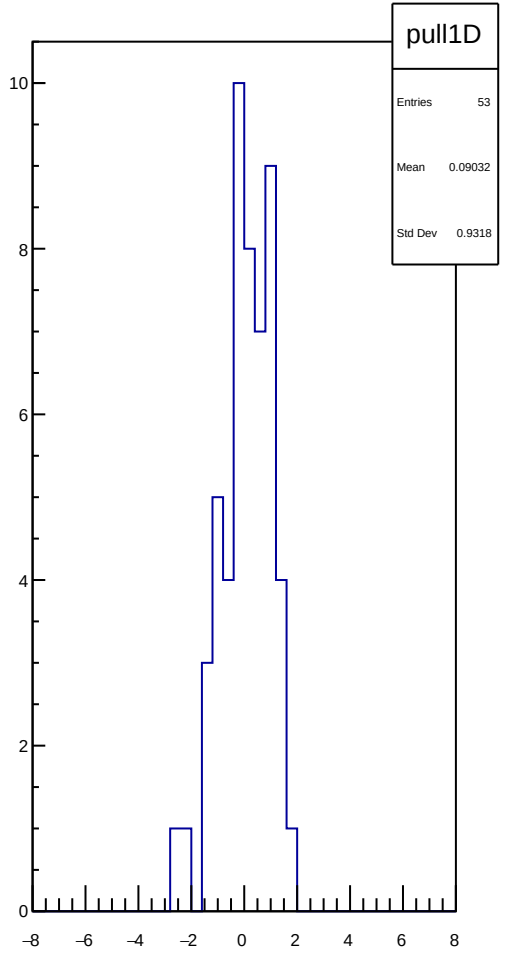

yield_bpm0l01X_rms vs run
χ² / ndf 2.167e+04 / 52
p0 0.009072 ± 8.956e−06
0.016
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007

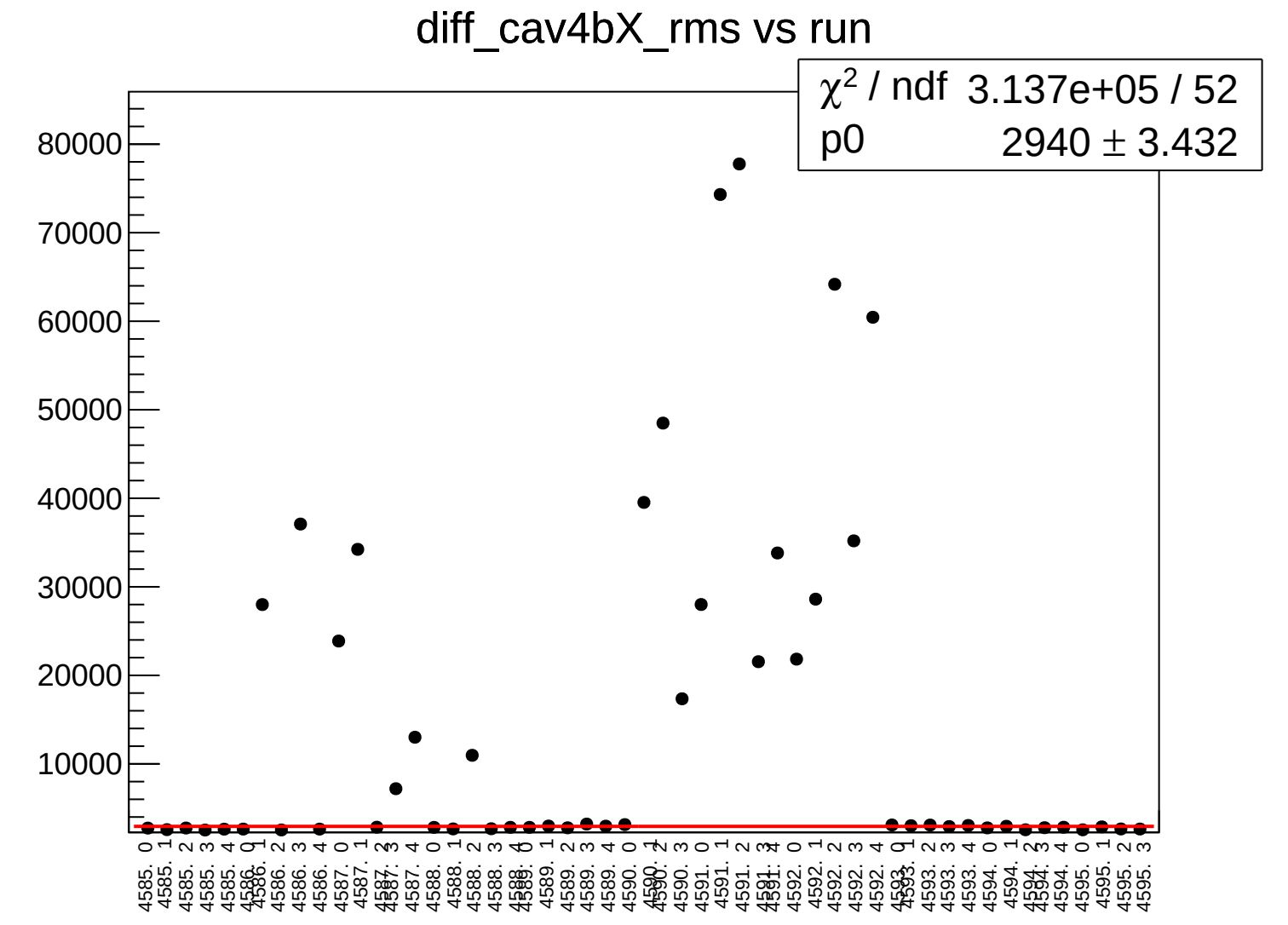

yield_bpm0l01Y_mean vs run
χ² / ndf 8.205e+05 / 52
p0 −5.341 ± 7.289e−06
−5.325
−5.33
−5.335
−5.34
−5.345
−5.35
−5.355
pull
Entries 53
Mean −1224
Std Dev 1246
300
200
100
0
−100
−200
−300

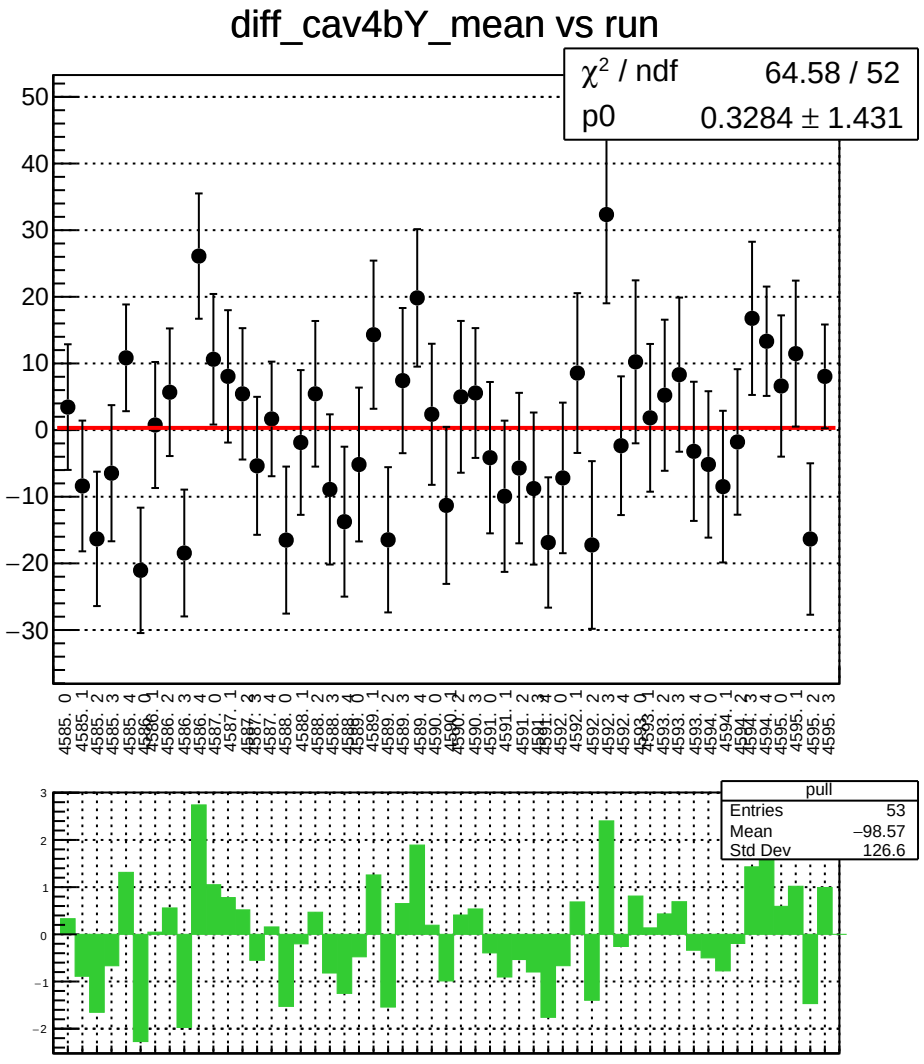

pull1D
Entries 53
Mean 3.939
Std Dev 3.451
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

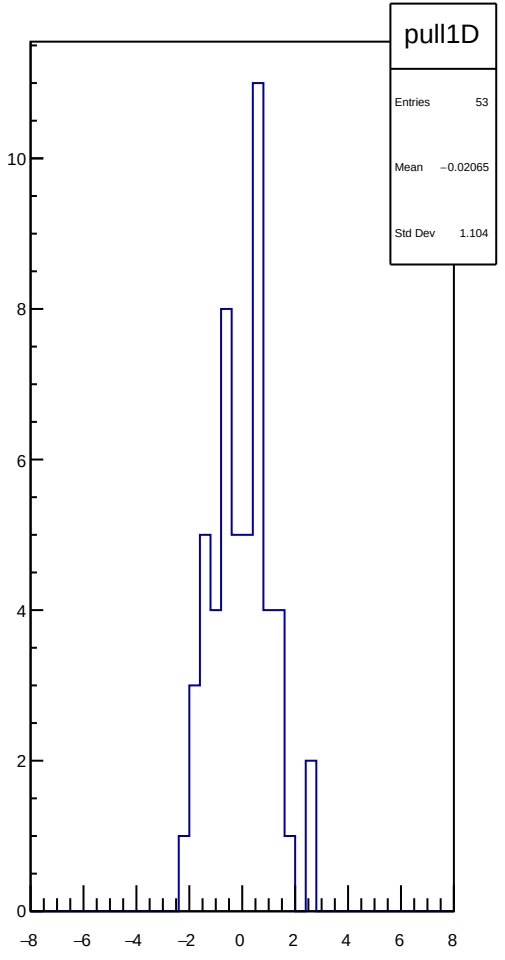

yield_bpm0l01Y_rms vs run
χ² / ndf 1.565e+04 / 52
p0 0.005236 ± 5.154e−06
0.007
0.0065
0.006
0.0055
0.005
0.0045

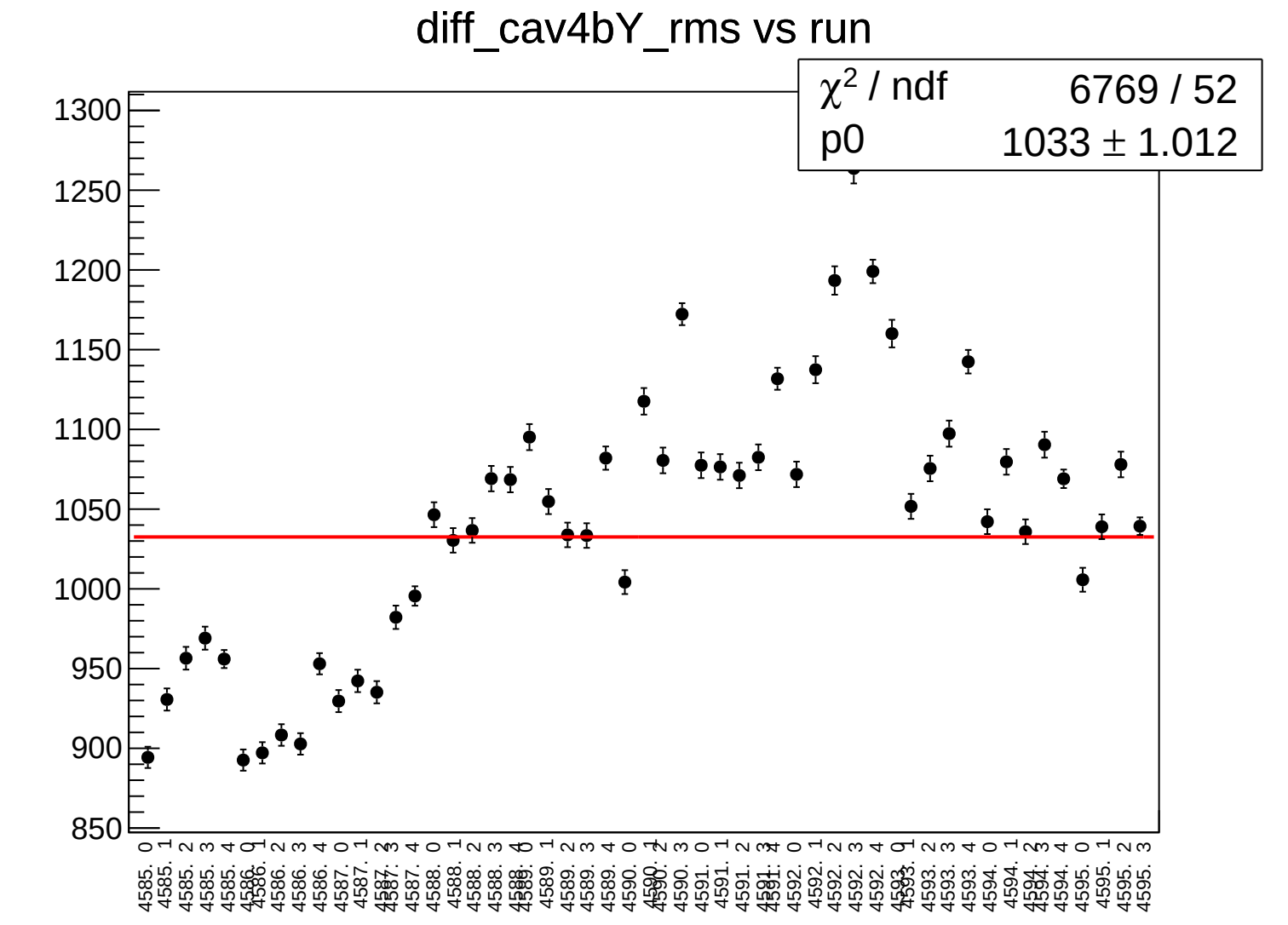

diff_cav4bX_mean vs run
χ² / ndf 46.45 / 52
p0 9.51 ± 4.854
pull
Entries 53
Mean 10.21
Std Dev 6.68

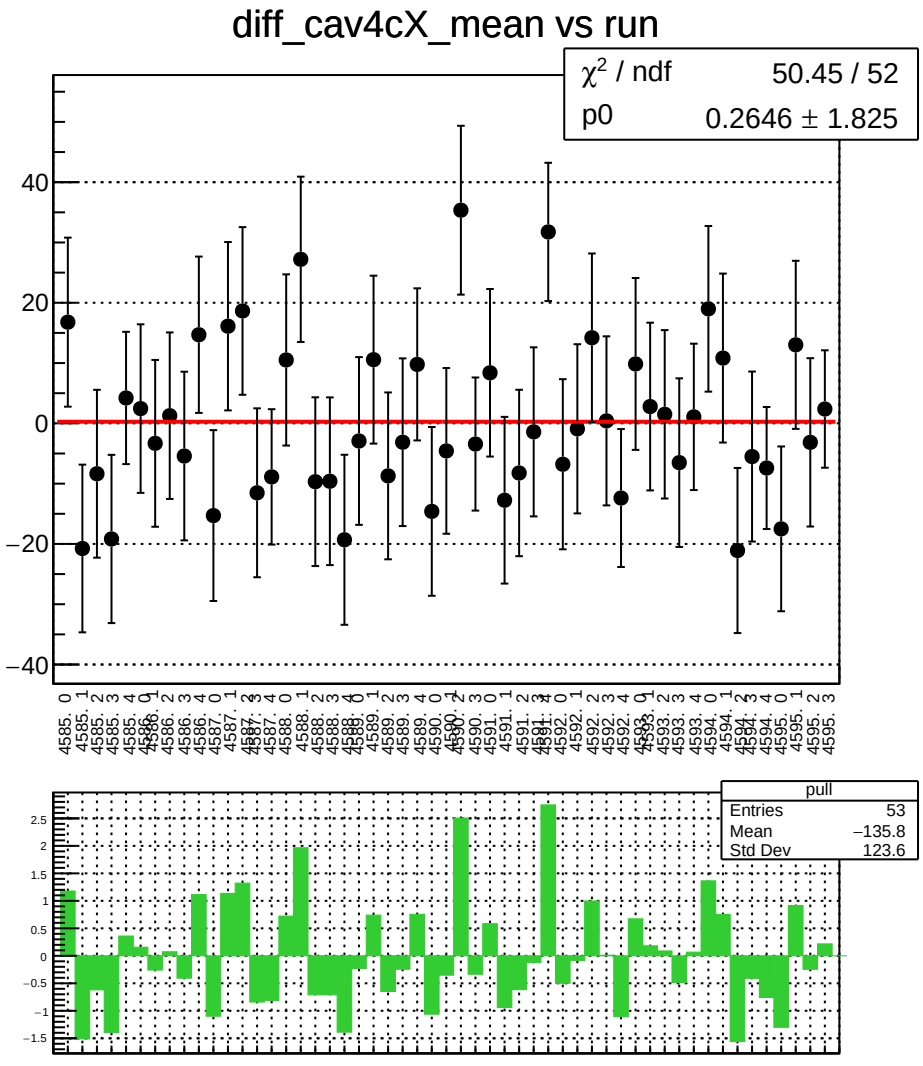

pull1D
Entries 53
Mean 0.09032
Std Dev 0.9318

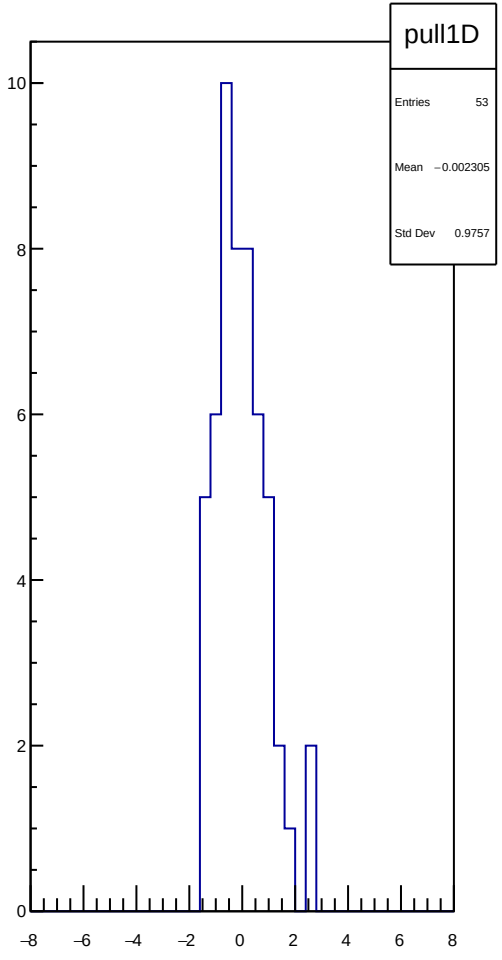

diff_cav4bX_rms vs run
χ² / ndf 3.137e+05 / 52
p0 2940 ± 3.432
80000
70000
60000
50000
40000
30000
20000
10000
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

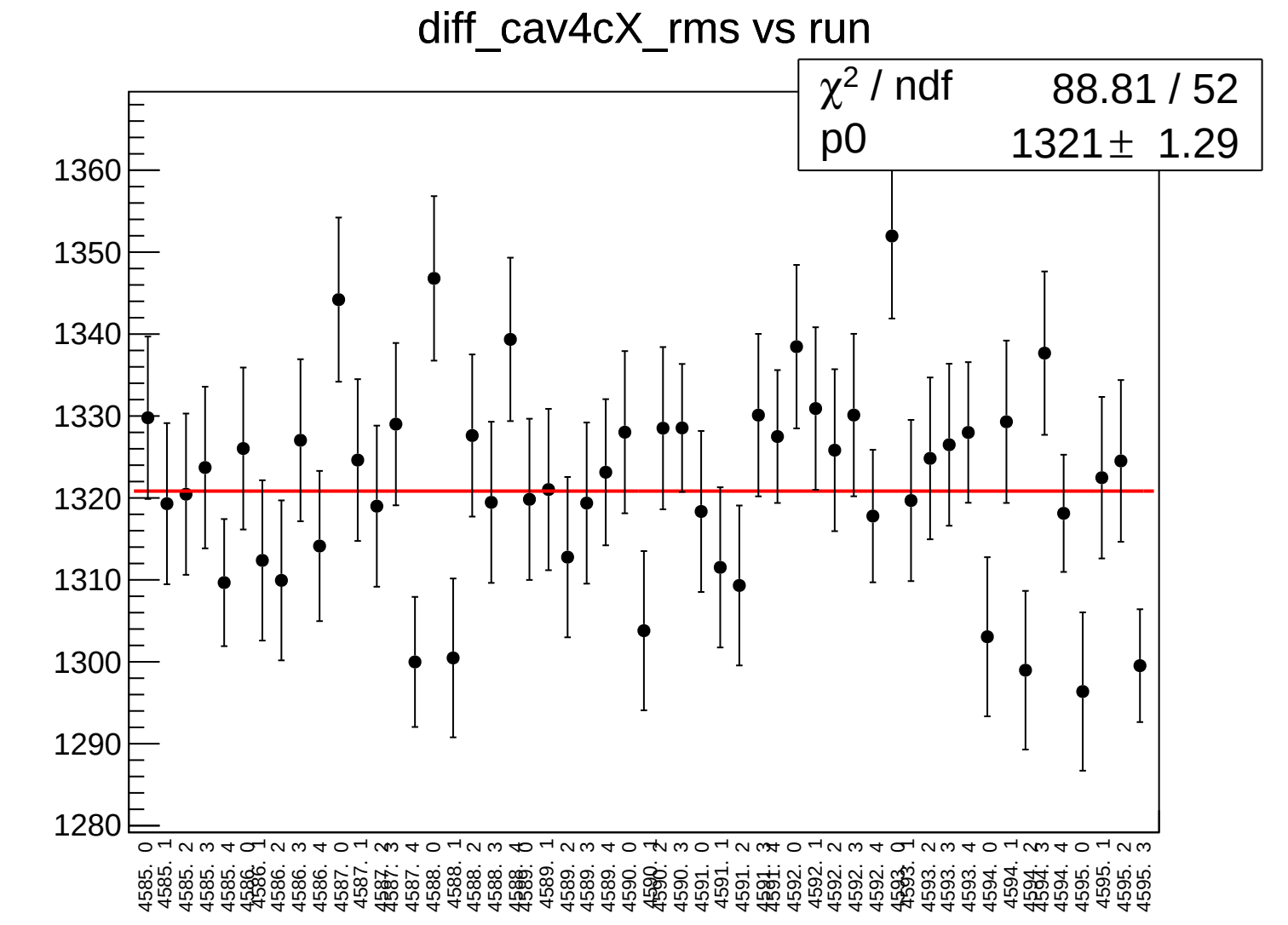

diff_cav4bY_mean vs run
χ² / ndf 64.58 / 52
p0 0.3284 ± 1.431
pull
Entries 53
Mean −98.57
Std Dev 126.6

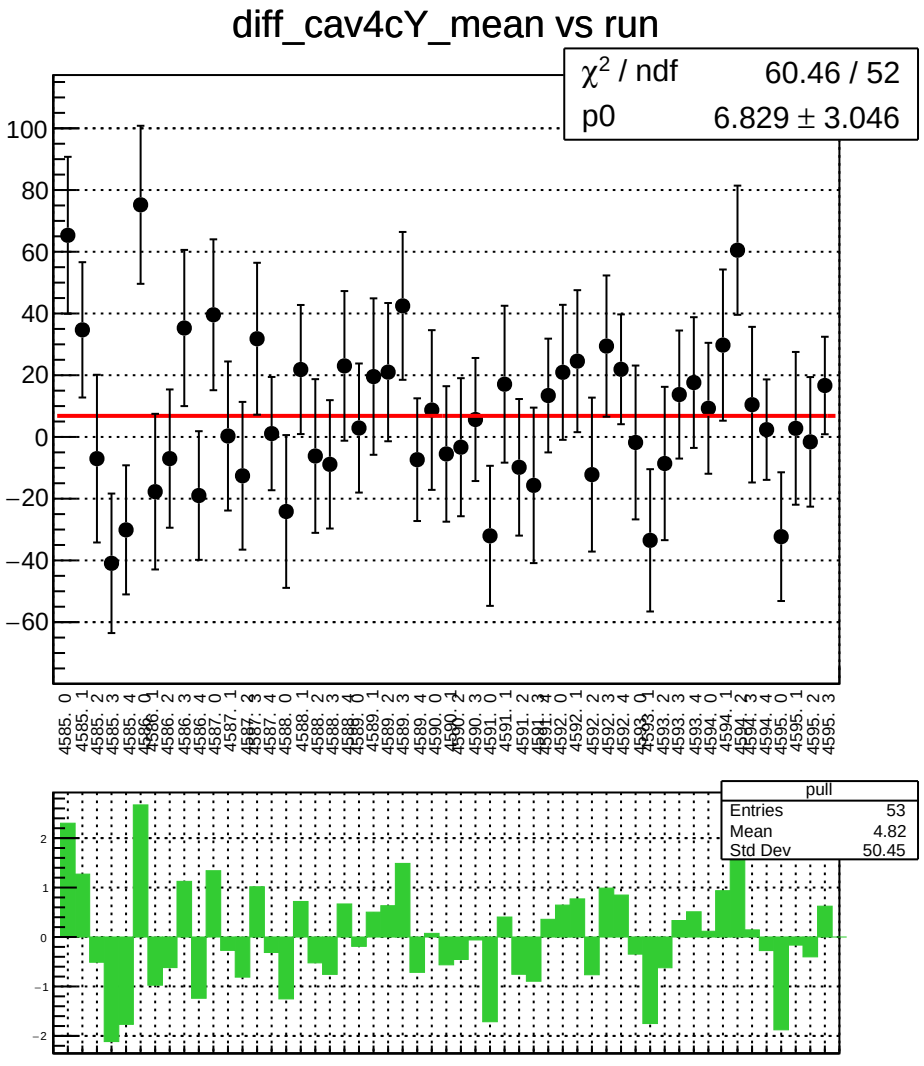

pull1D
Entries 53
Mean −0.02065
Std Dev 1.104

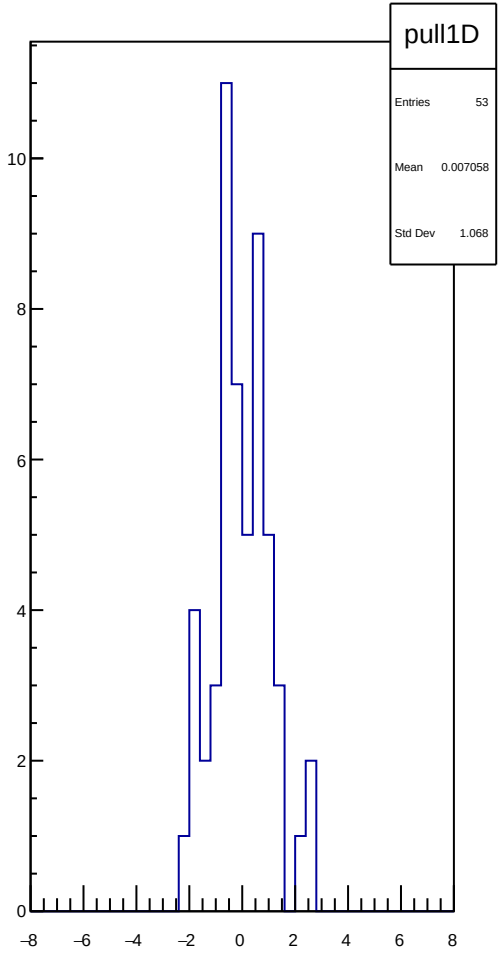

diff_cav4bY_rms vs run
χ² / ndf 6769 / 52
p0 1033 ± 1.012
1300
1250
1200
1150
1100
1050
1000
950
900
850

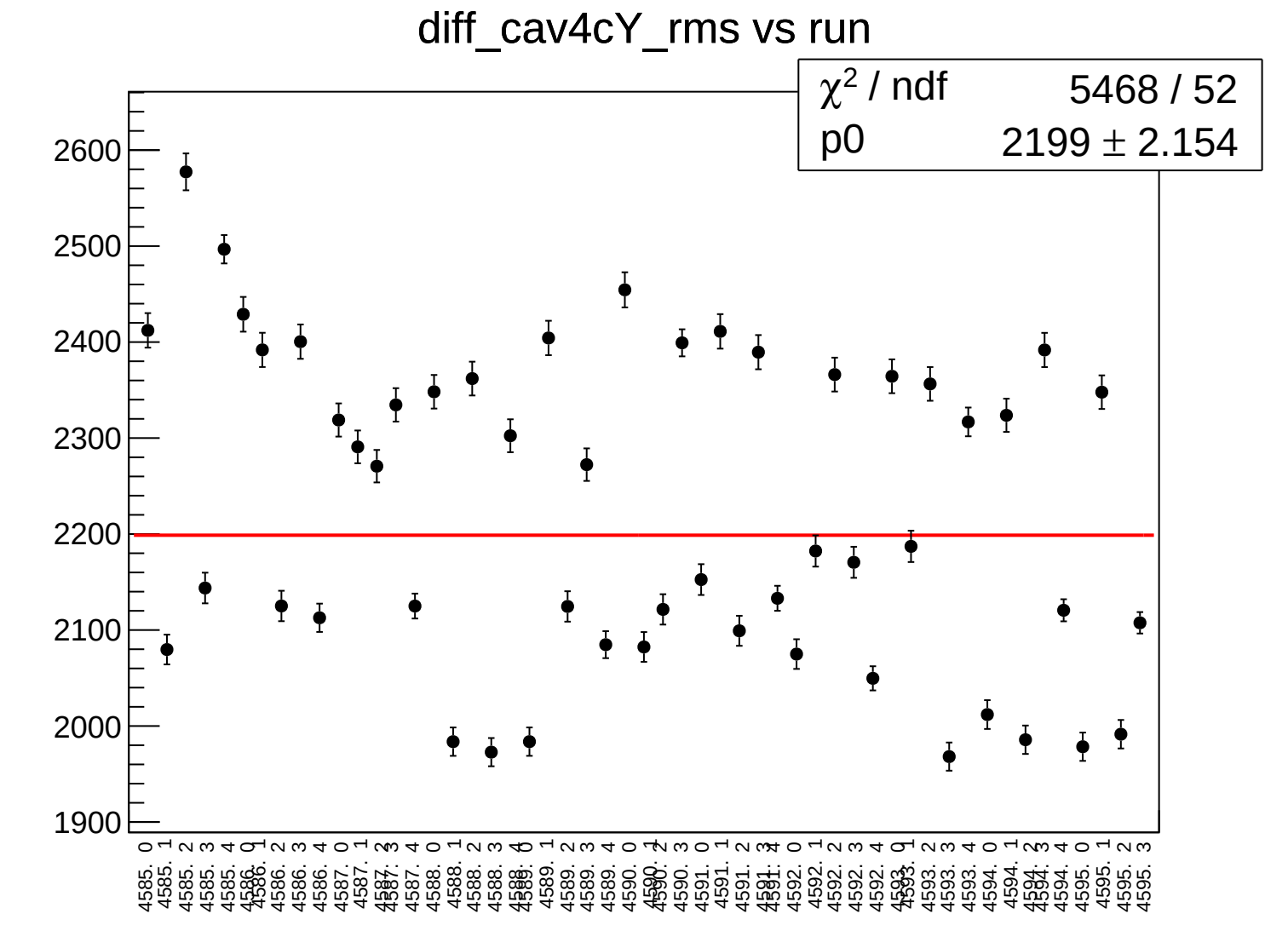

diff_cav4cX_mean vs run
χ² / ndf 50.45 / 52
p0 0.2646 ± 1.825
pull
Entries 53
Mean −135.8
Std Dev 123.6

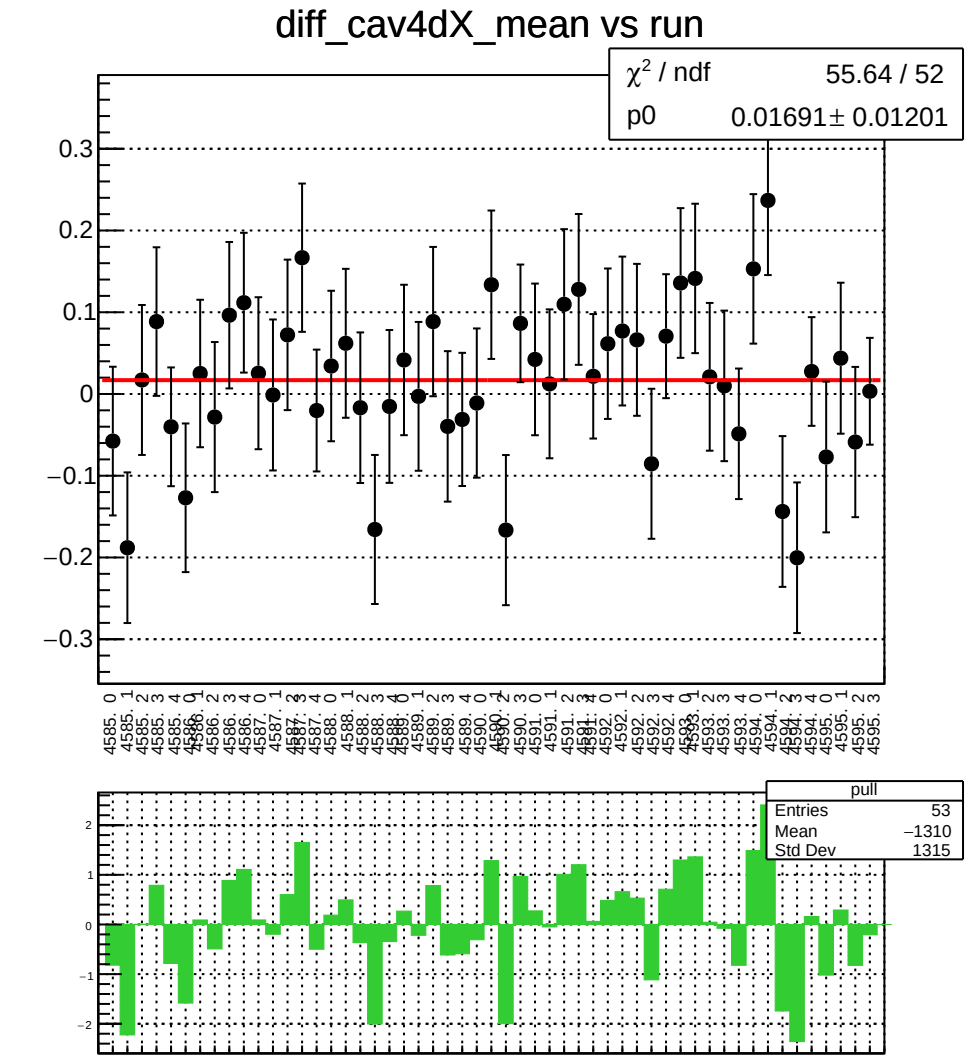

pull1D
Entries 53
Mean −0.002305
Std Dev 0.9757

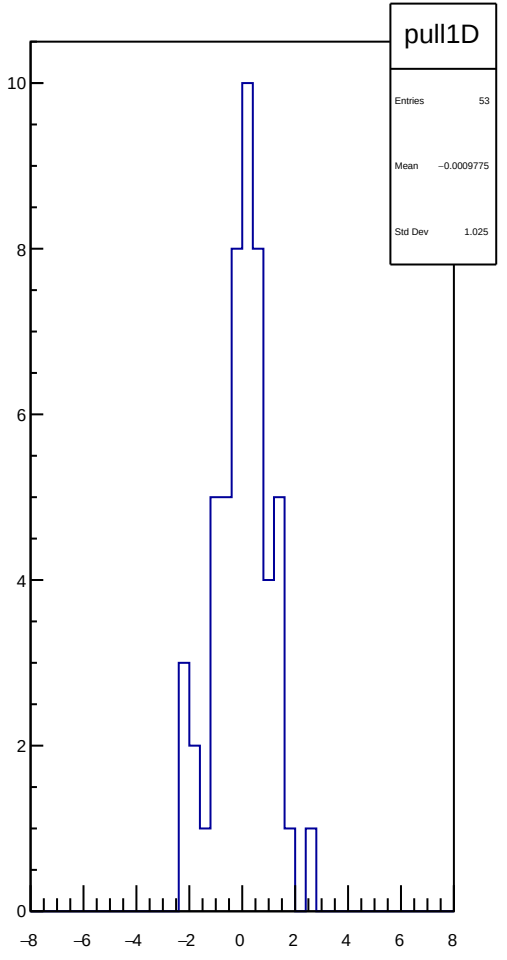

diff_cav4cX_rms vs run
χ² / ndf 88.81 / 52
p0 1321 ± 1.29
1360
1350
1340
1330
1320
1310
1300
1290
1280

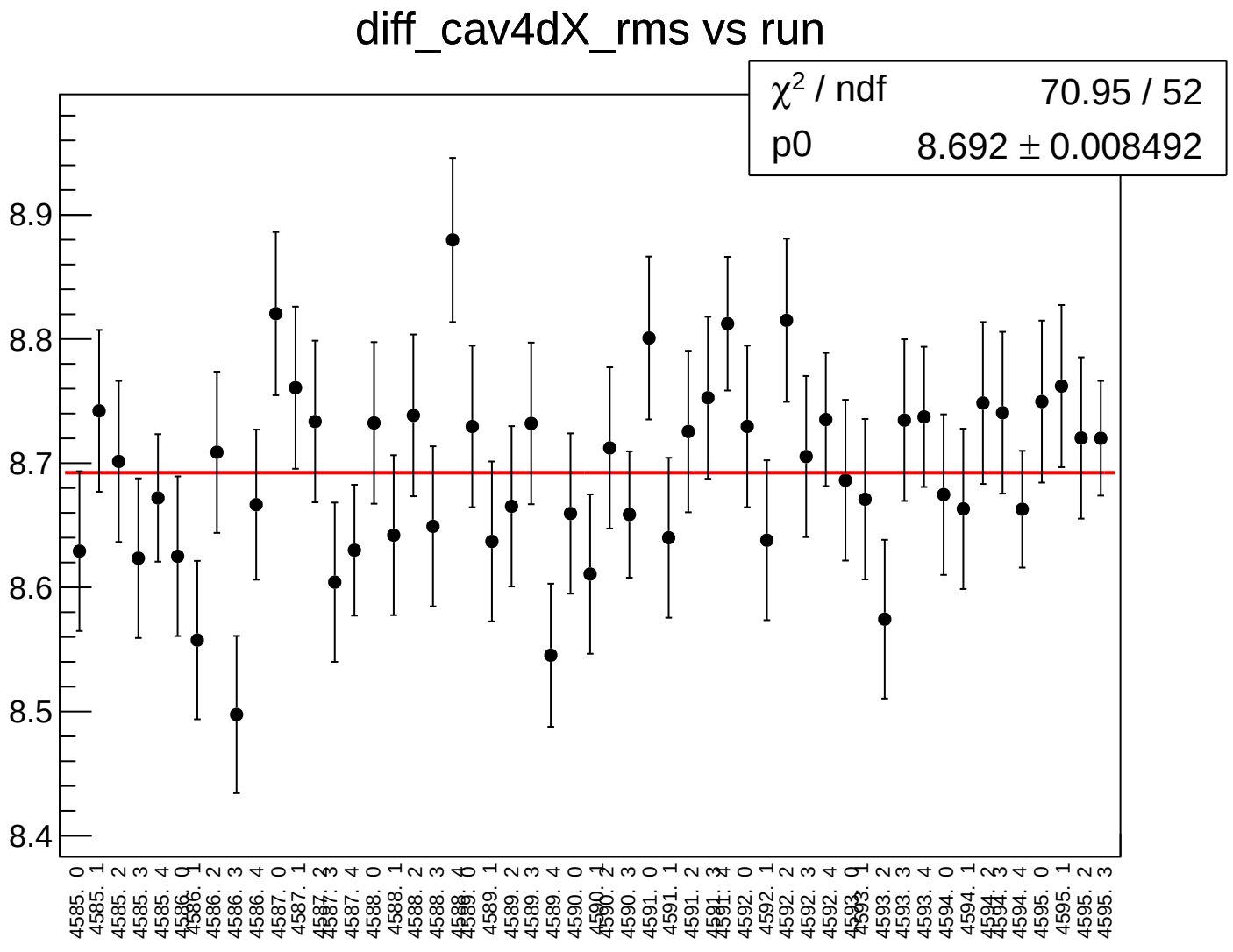

diff_cav4cY_mean vs run
χ^2 / ndf 60.46 / 52
p0 6.829 ± 3.046
pull
Entries 53
Mean 4.82
Std Dev 50.45

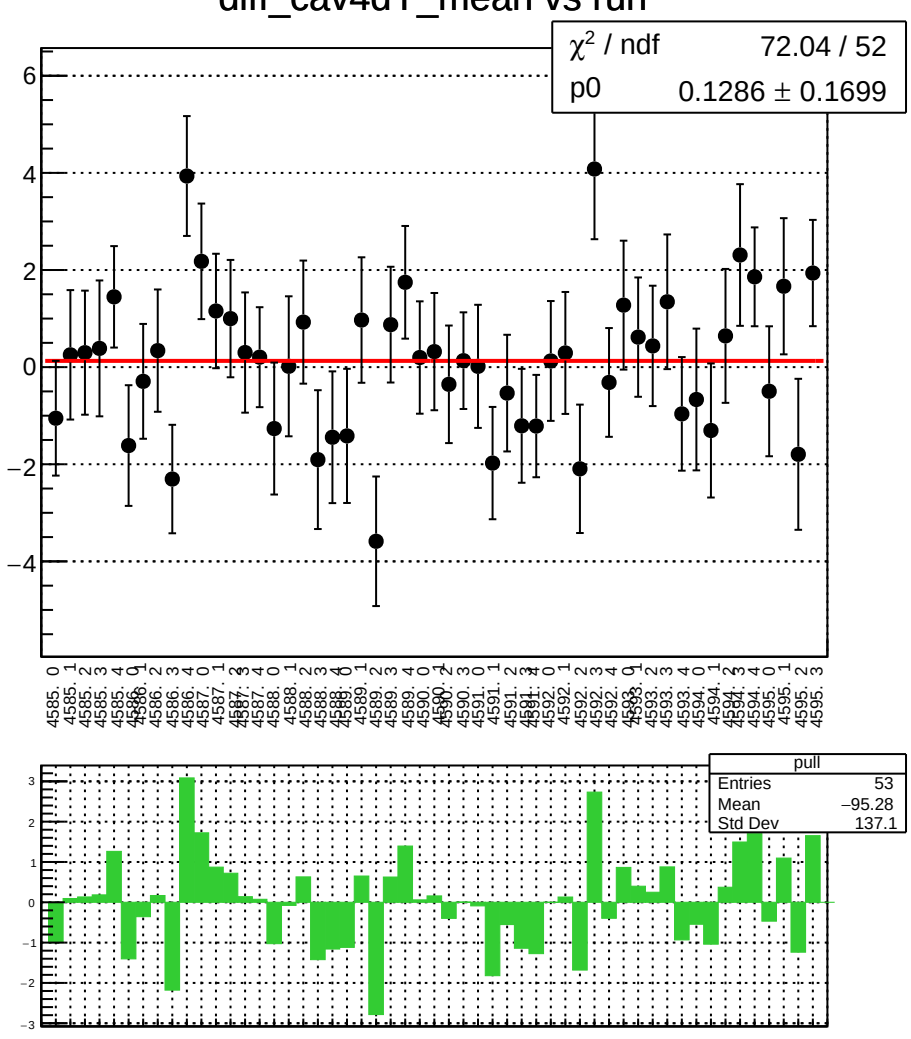

pull1D
Entries 53
Mean 0.007058
Std Dev 1.068

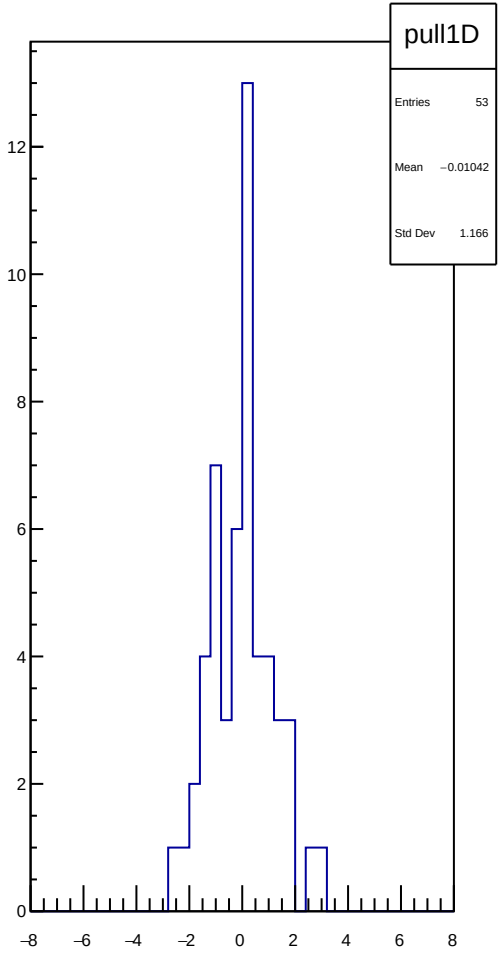

diff_cav4cY_rms vs run
χ² / ndf 5468 / 52
p0 2199 ± 2.154
2600
2500
2400
2300
2200
2100
2000
1900

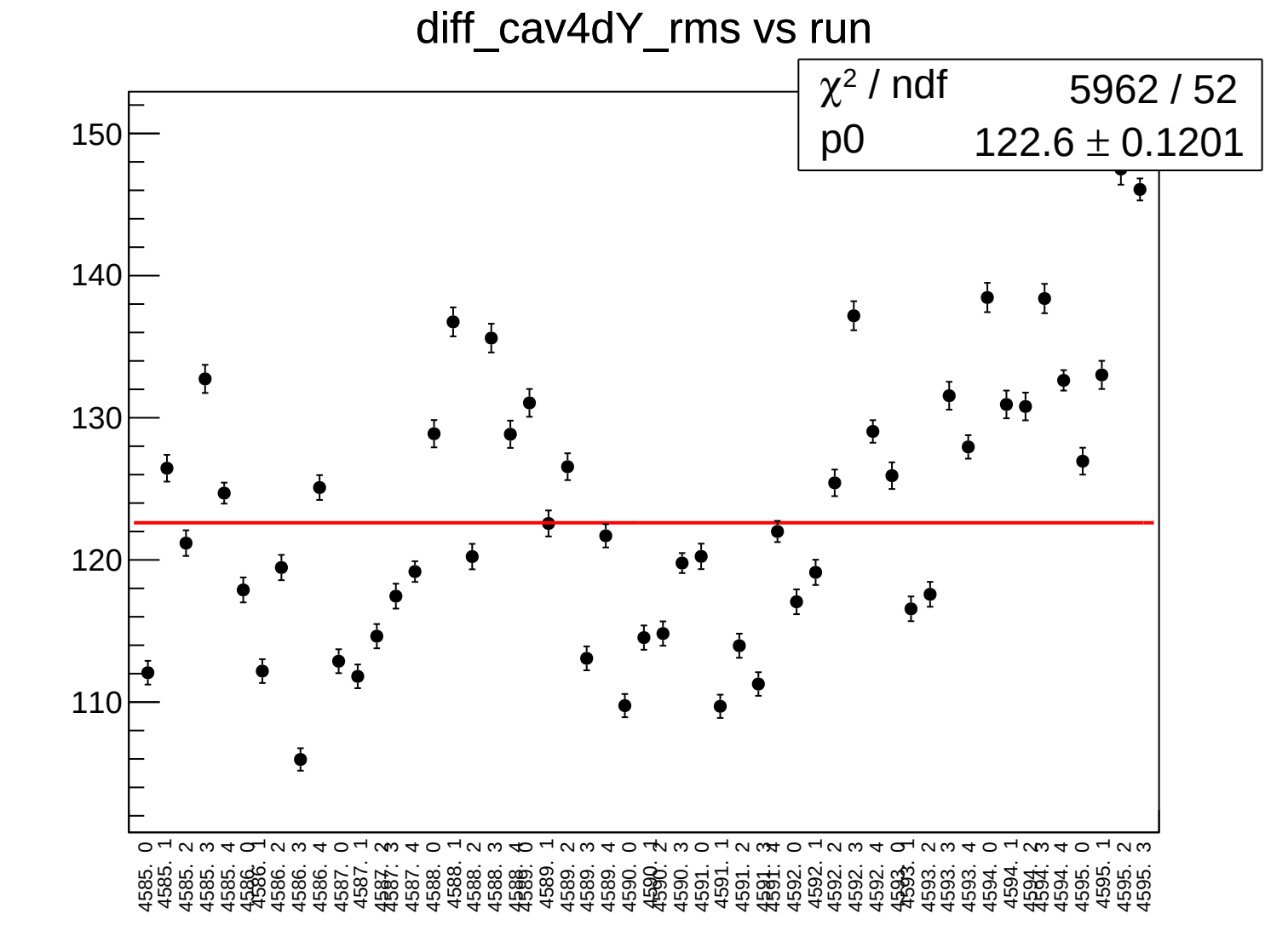

diff_cav4dX_mean vs run
χ² / ndf 55.64 / 52
p0 0.01691± 0.01201
pull
Entries 53
Mean −1310
Std Dev 1315

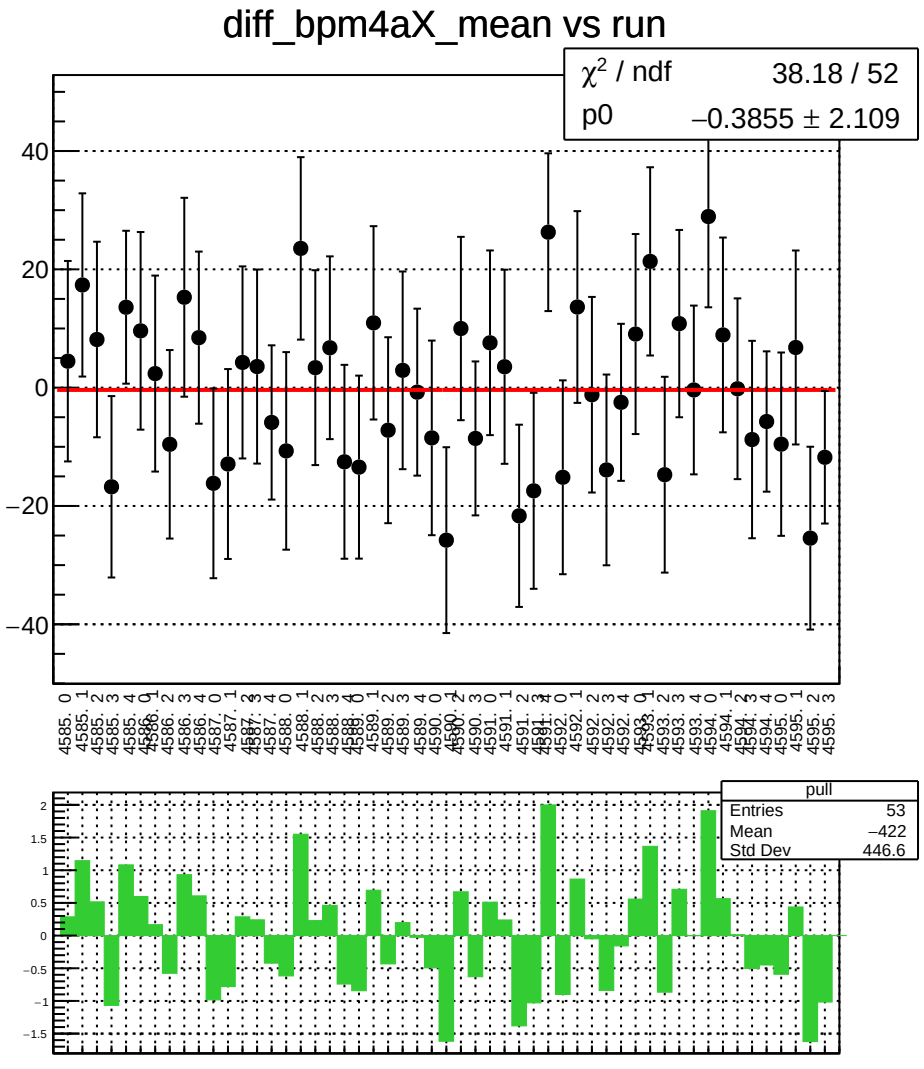

pull1D
Entries 53
Mean −0.0009775
Std Dev 1.025

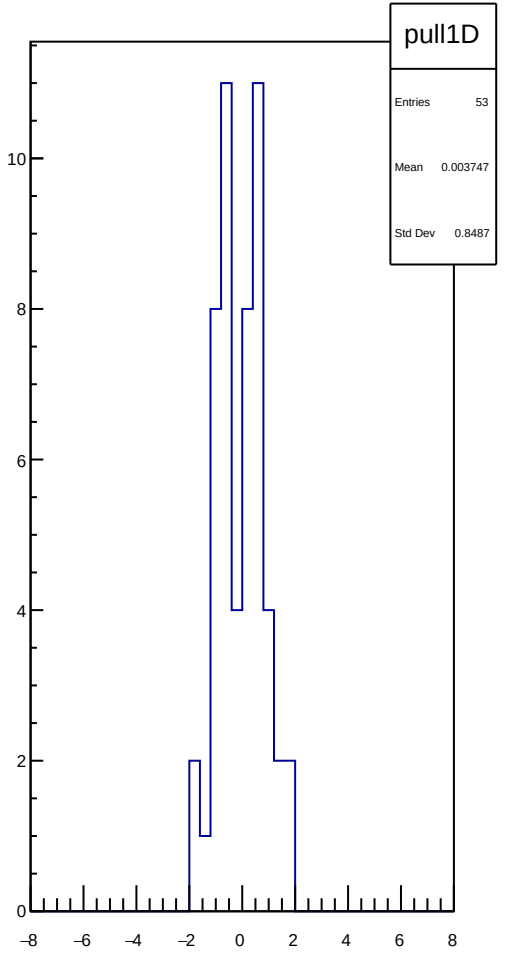

diff_cav4dX_rms vs run
χ^2 / ndf 70.95 / 52
p0 8.692 ± 0.008492
8.9
8.8
8.7
8.6
8.5
8.4
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

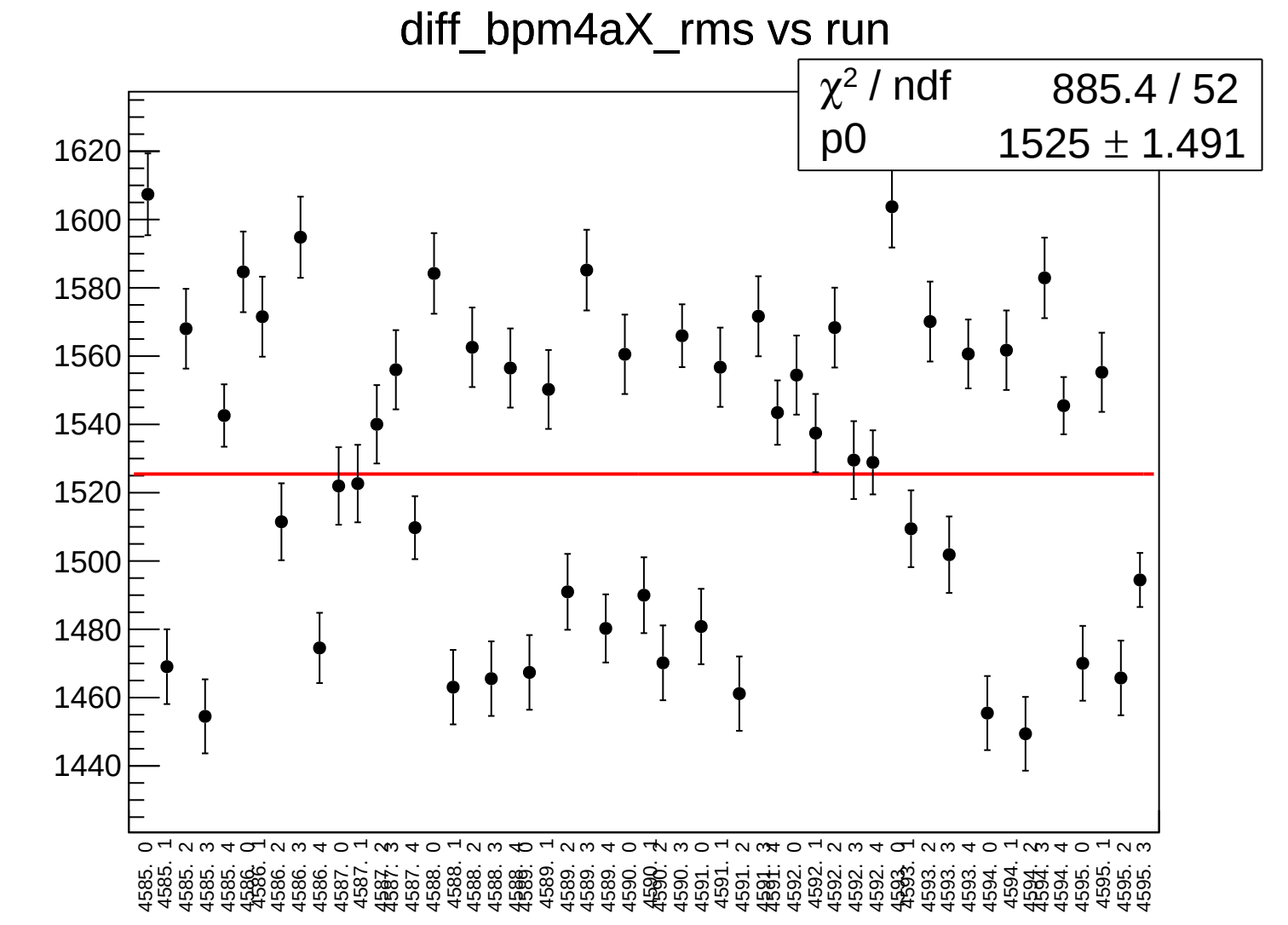

diff_cav4dY_mean vs run
χ² / ndf 72.04 / 52
p0 0.1286 ± 0.1699
pull
Entries 53
Mean −95.28
Std Dev 137.1

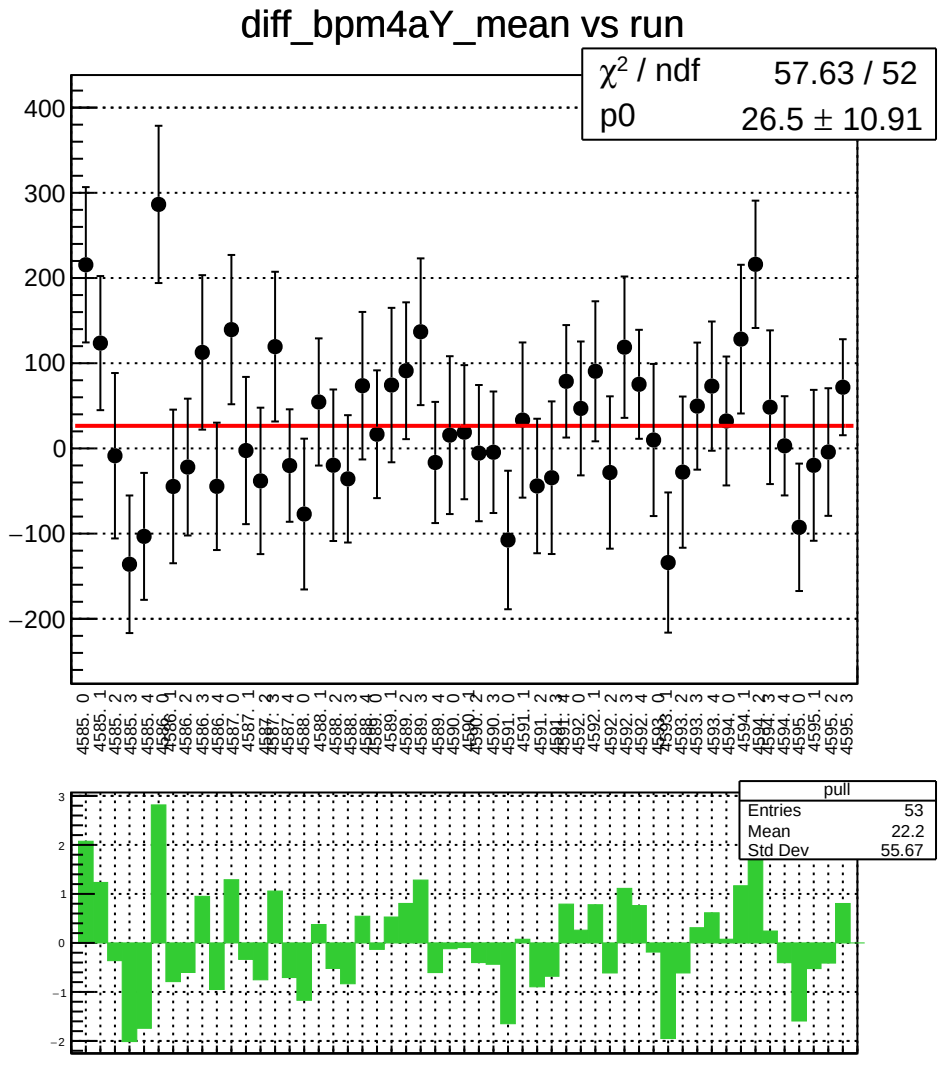

pull1D
Entries 53
Mean −0.01042
Std Dev 1.166

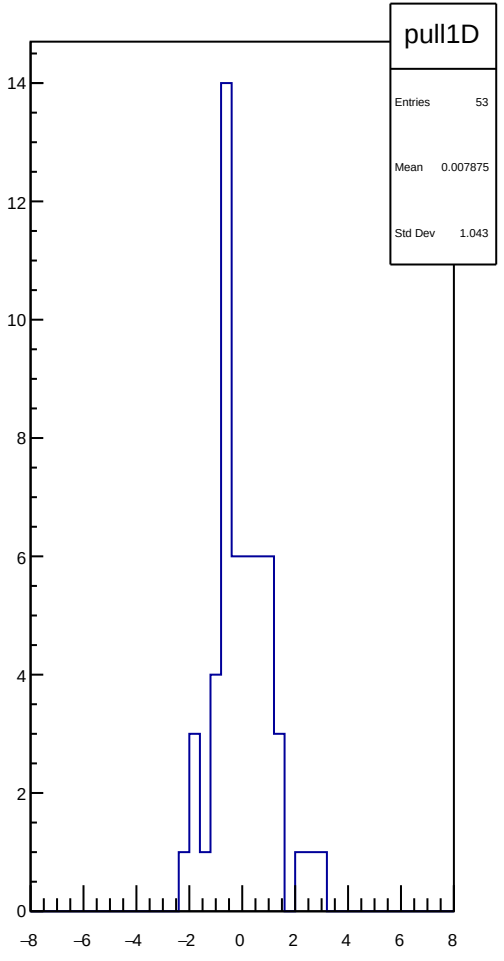

diff_cav4dY_rms vs run
χ² / ndf 5962 / 52
p0 122.6 ± 0.1201
150
140
130
120
110
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

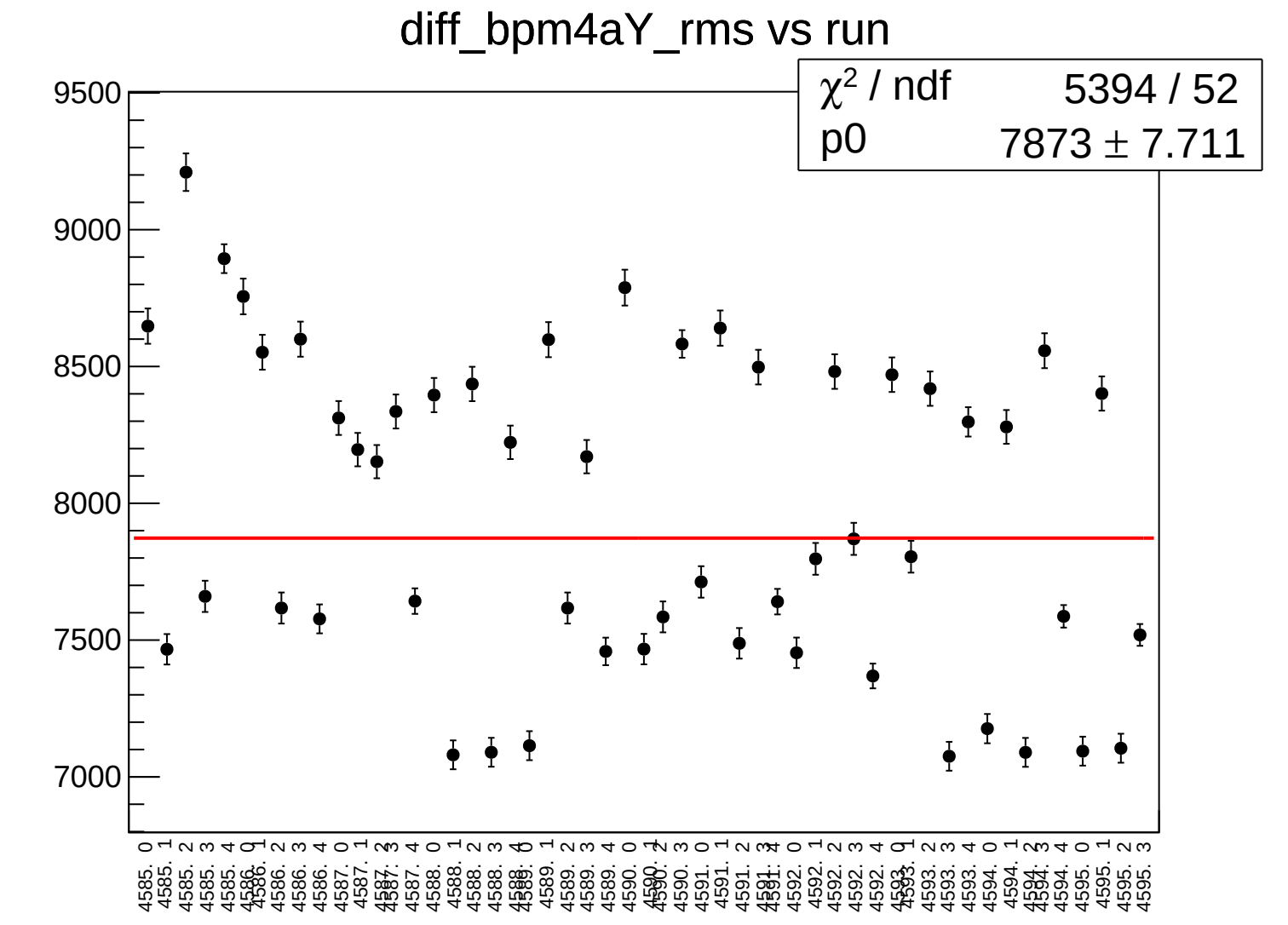

diff_bpm4aX_mean vs run
χ² / ndf 38.18 / 52
p0 −0.3855 ± 2.109
pull
Entries 53
Mean −422
Std Dev 446.6


pull1D
Entries 53
Mean 0.003747
Std Dev 0.8487


diff_bpm4aX_rms vs run
χ² / ndf 885.4 / 52
p0 1525 ± 1.491
1620
1600
1580
1560
1540
1520
1500
1480
1460
1440


diff_bpm4aY_mean vs run
χ² / ndf 57.63 / 52
p0 26.5 ± 10.91
pull
Entries 53
Mean 22.2
Std Dev 55.67


pull1D
Entries 53
Mean 0.007875
Std Dev 1.043


diff_bpm4aY_rms vs run
χ² / ndf 5394 / 52
p0 7873 ± 7.711
9500
9000
8500
8000
7500
7000
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
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4588. 1
4588. 2
4588. 3
4588. 4
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4589. 1
4589. 2
4589. 3
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4590. 2
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4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
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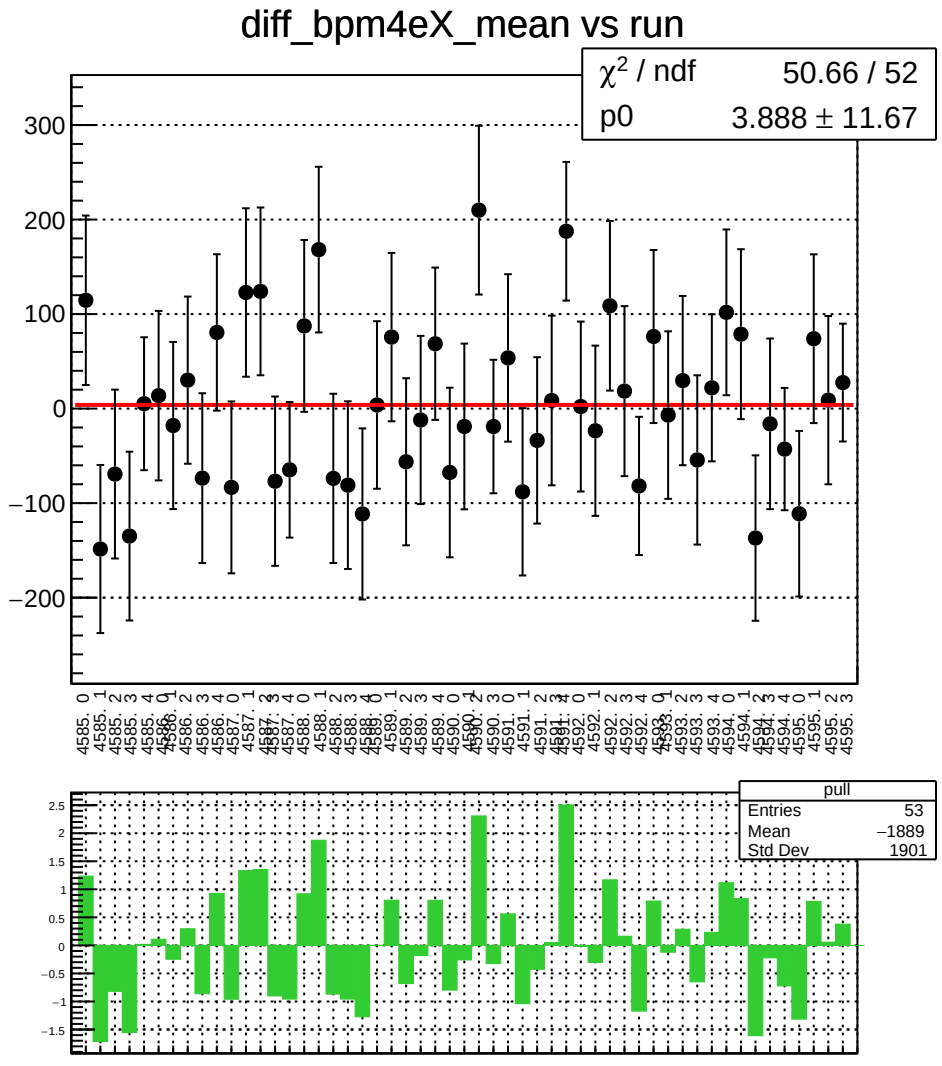
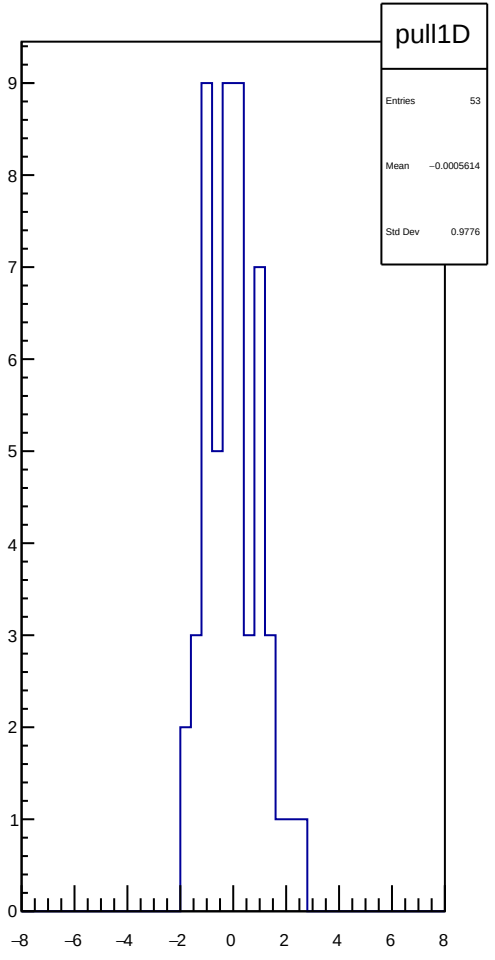
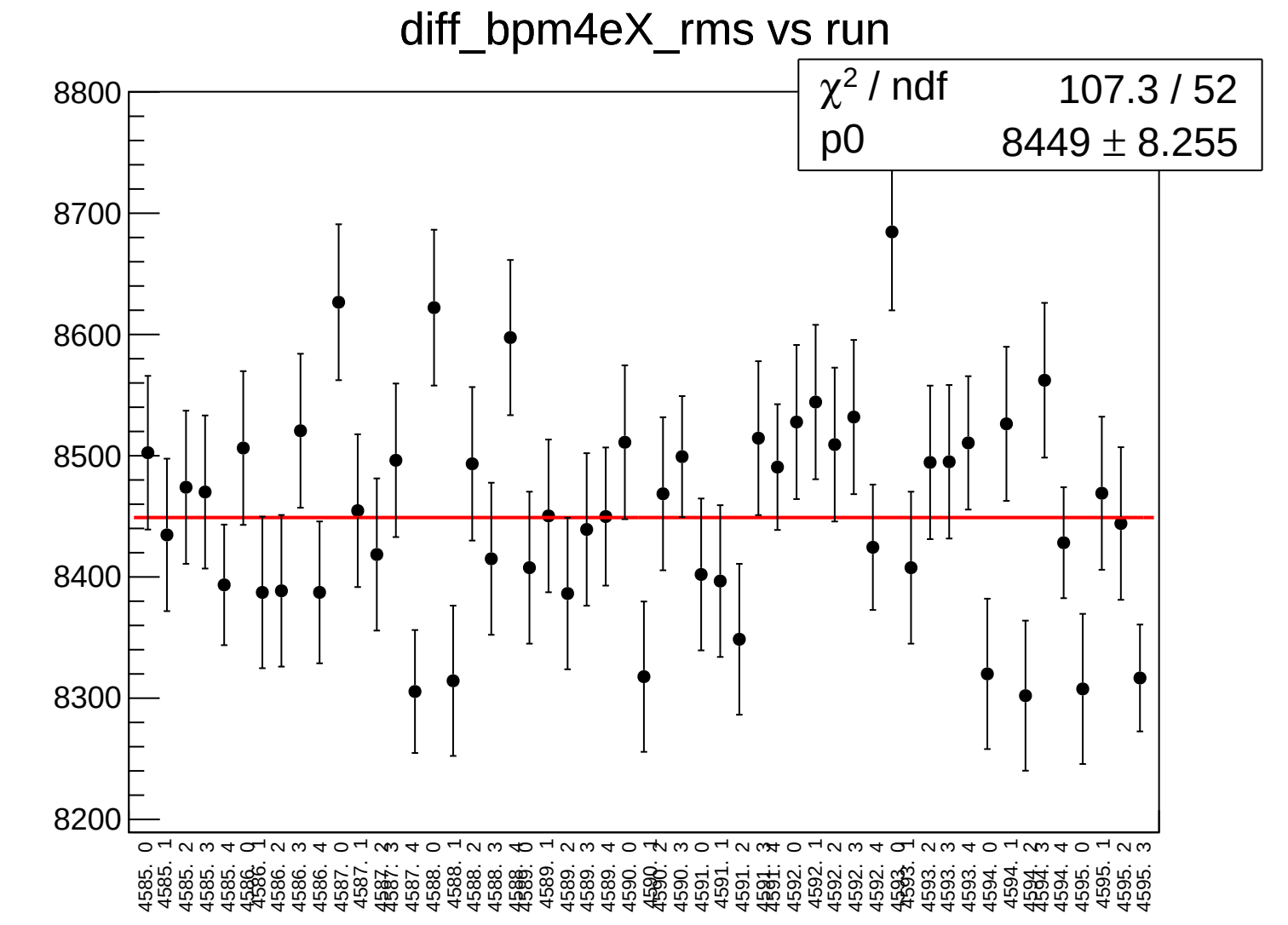
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


diff_bpm4eX_mean vs run
χ² / ndf 50.66 / 52
p0 3.888 ± 11.67
pull
Entries 53
Mean −1889
Std Dev 1901


pull1D
Entries 53
Mean −0.0005614
Std Dev 0.9776


diff_bpm4eX_rms vs run
χ² / ndf 107.3 / 52
p0 8449 ± 8.255
8800
8700
8600
8500
8400
8300
8200
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
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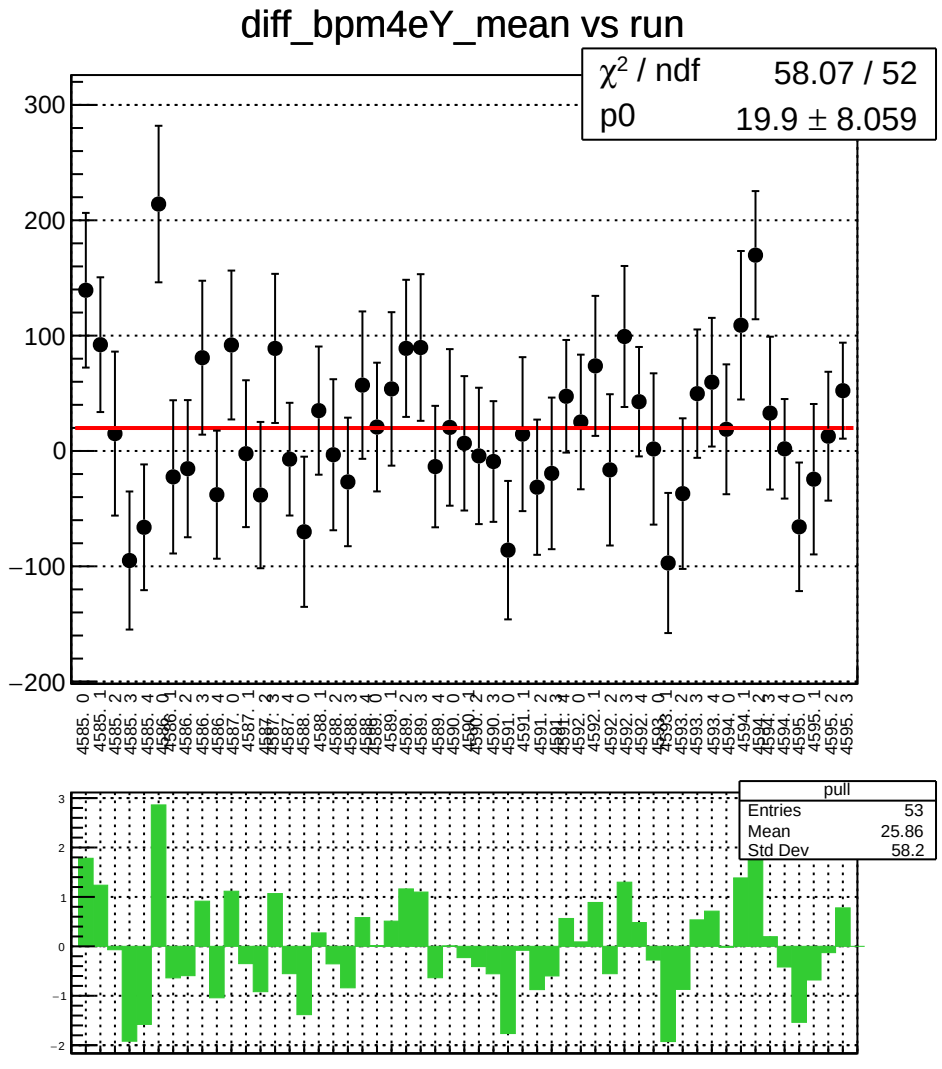
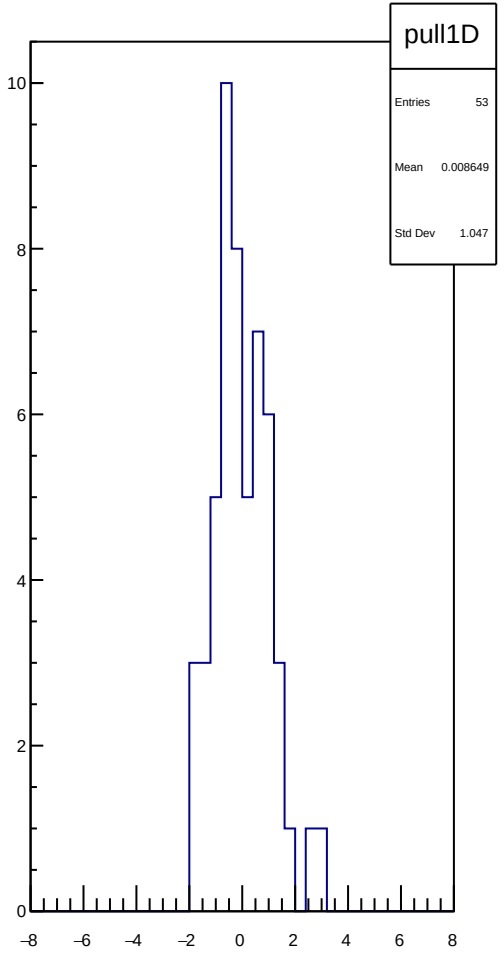
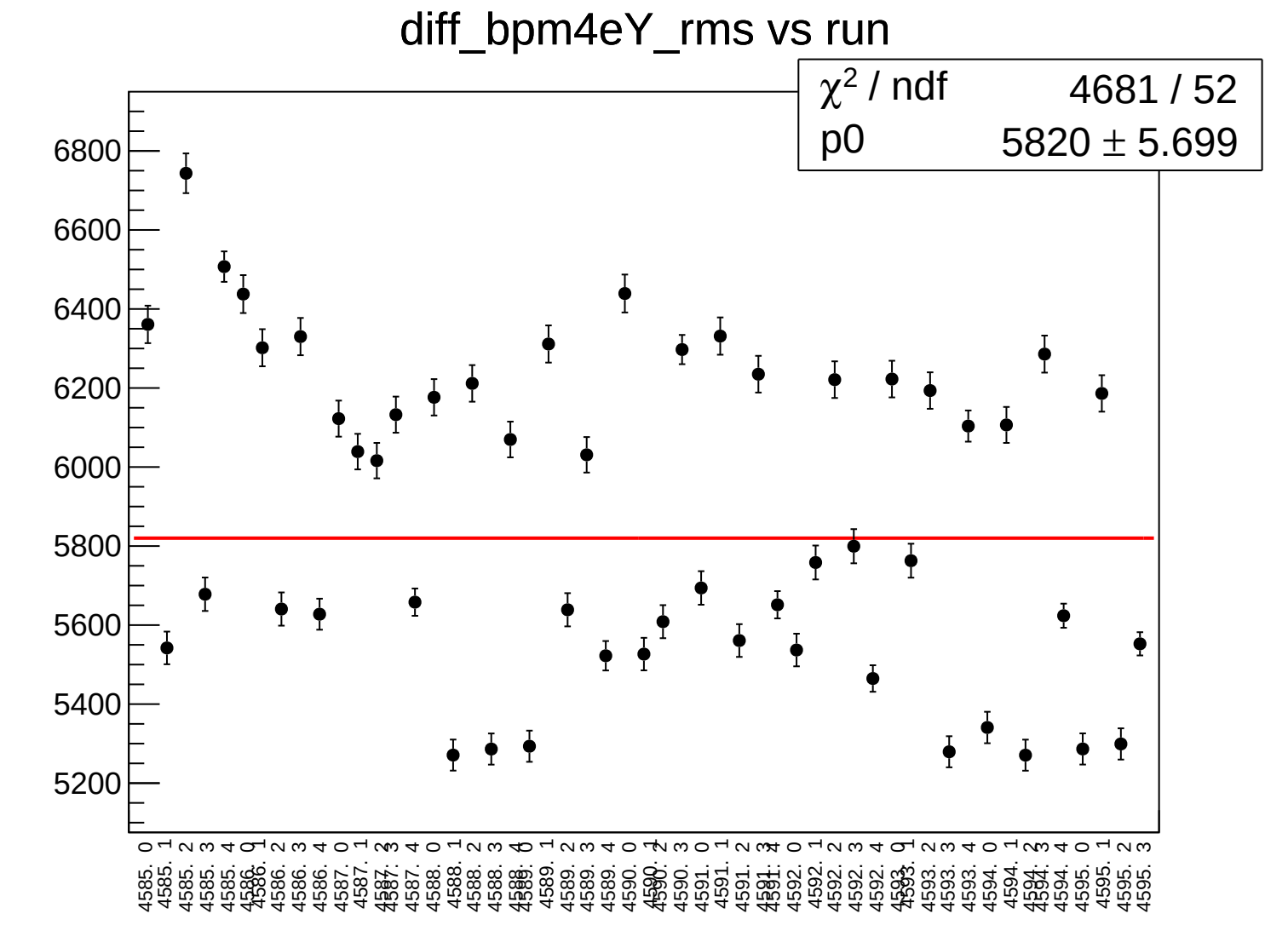
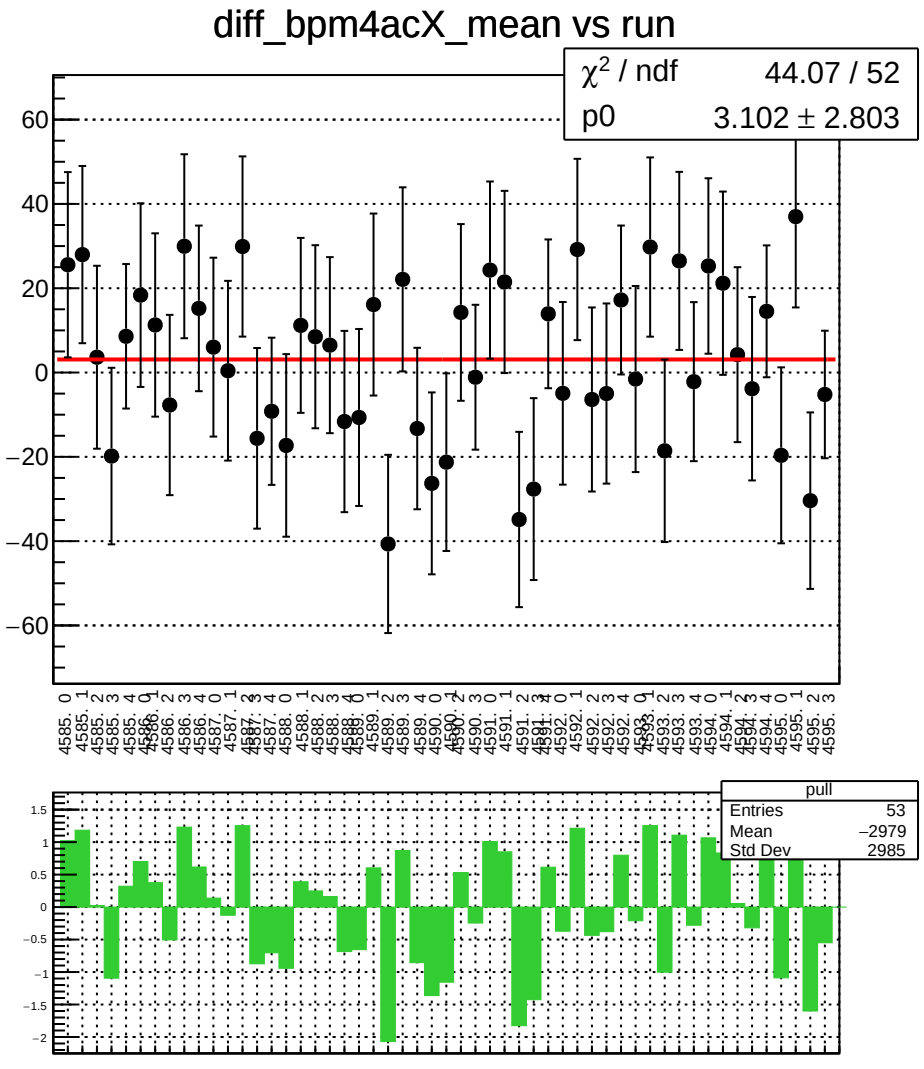
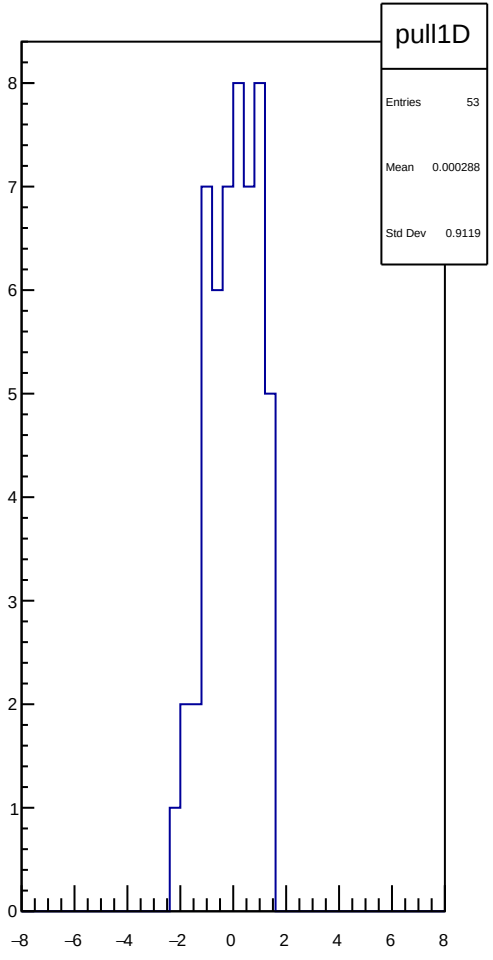
4595. 1
4595. 2
4595. 3

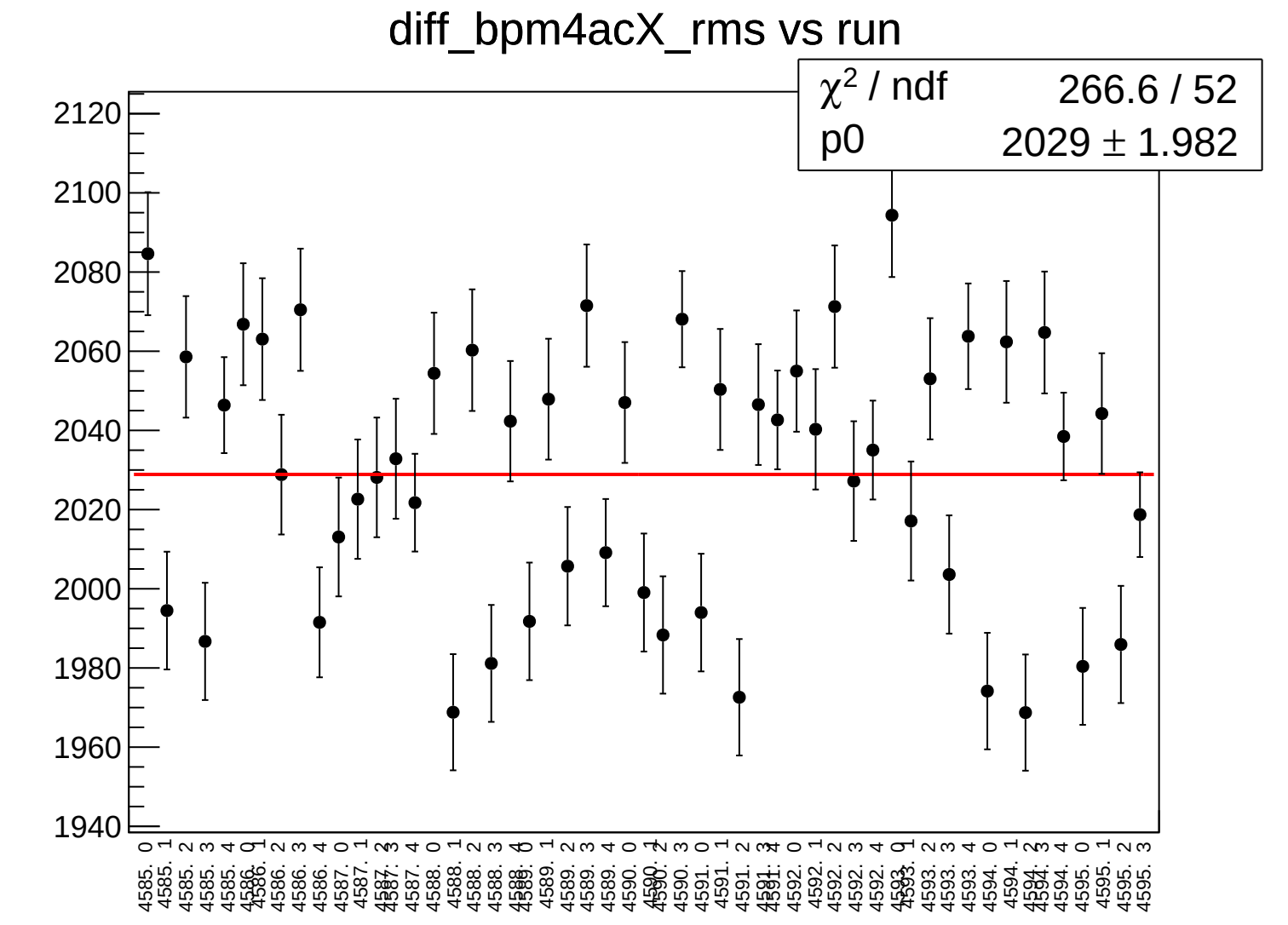

diff_bpm4eY_mean vs run
χ² / ndf 58.07 / 52
p0 19.9 ± 8.059
pull
Entries 53
Mean 25.86
Std Dev 58.2

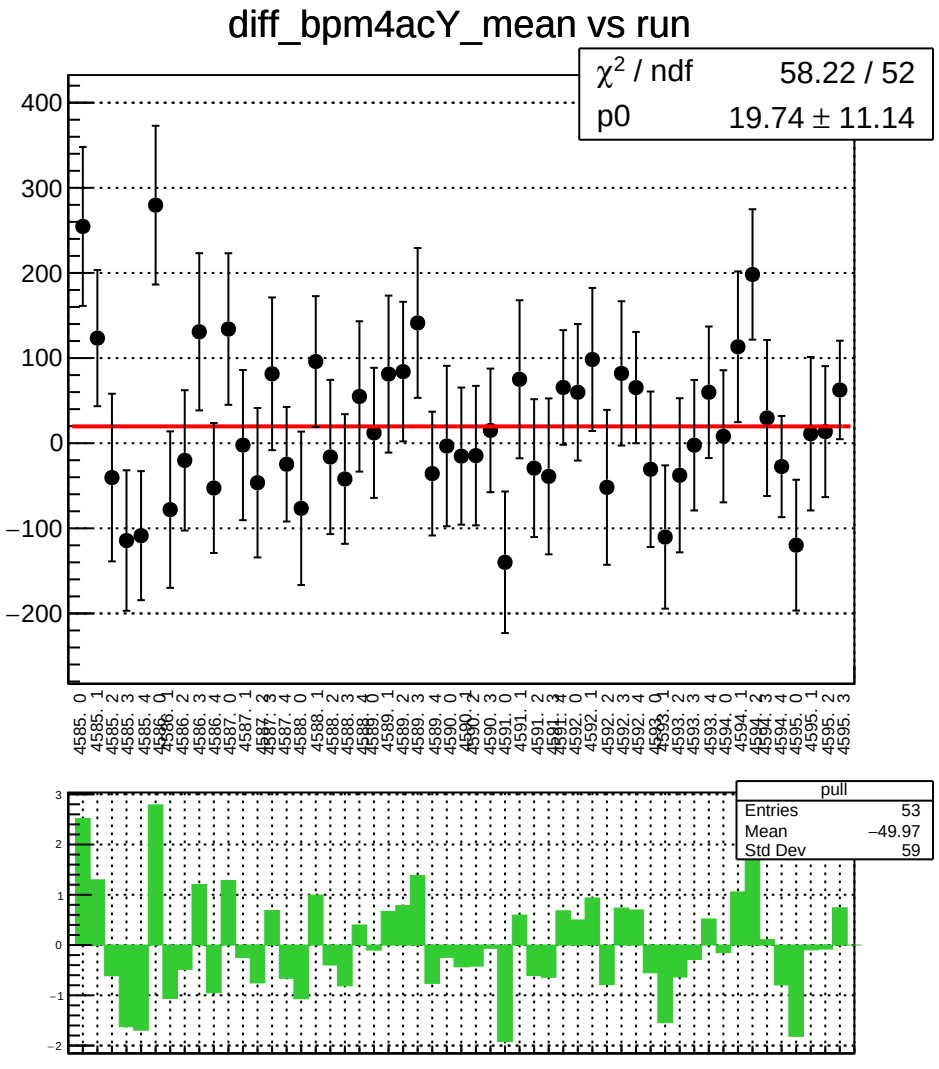

pull1D
Entries 53
Mean 0.008649
Std Dev 1.047

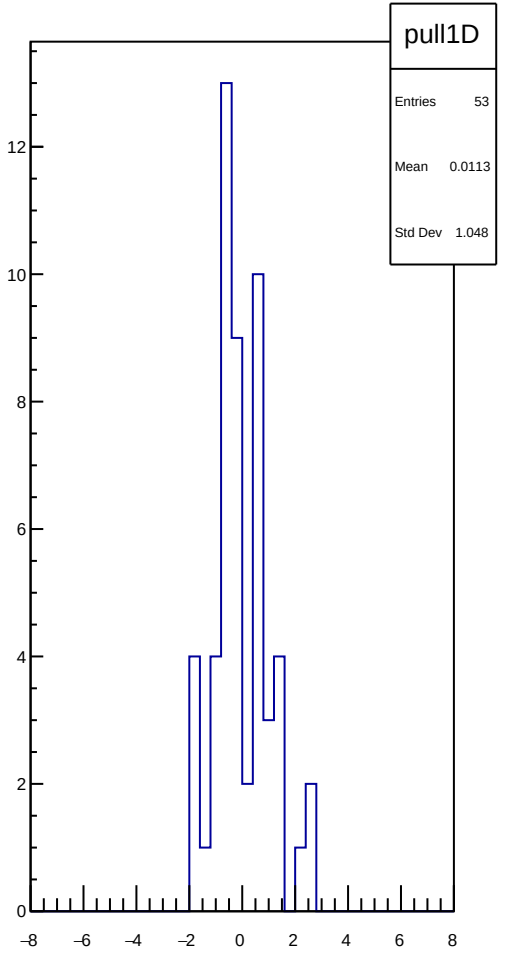

diff_bpm4eY_rms vs run
χ² / ndf 4681 / 52
p0 5820 ± 5.699
6800
6600
6400
6200
6000
5800
5600
5400
5200

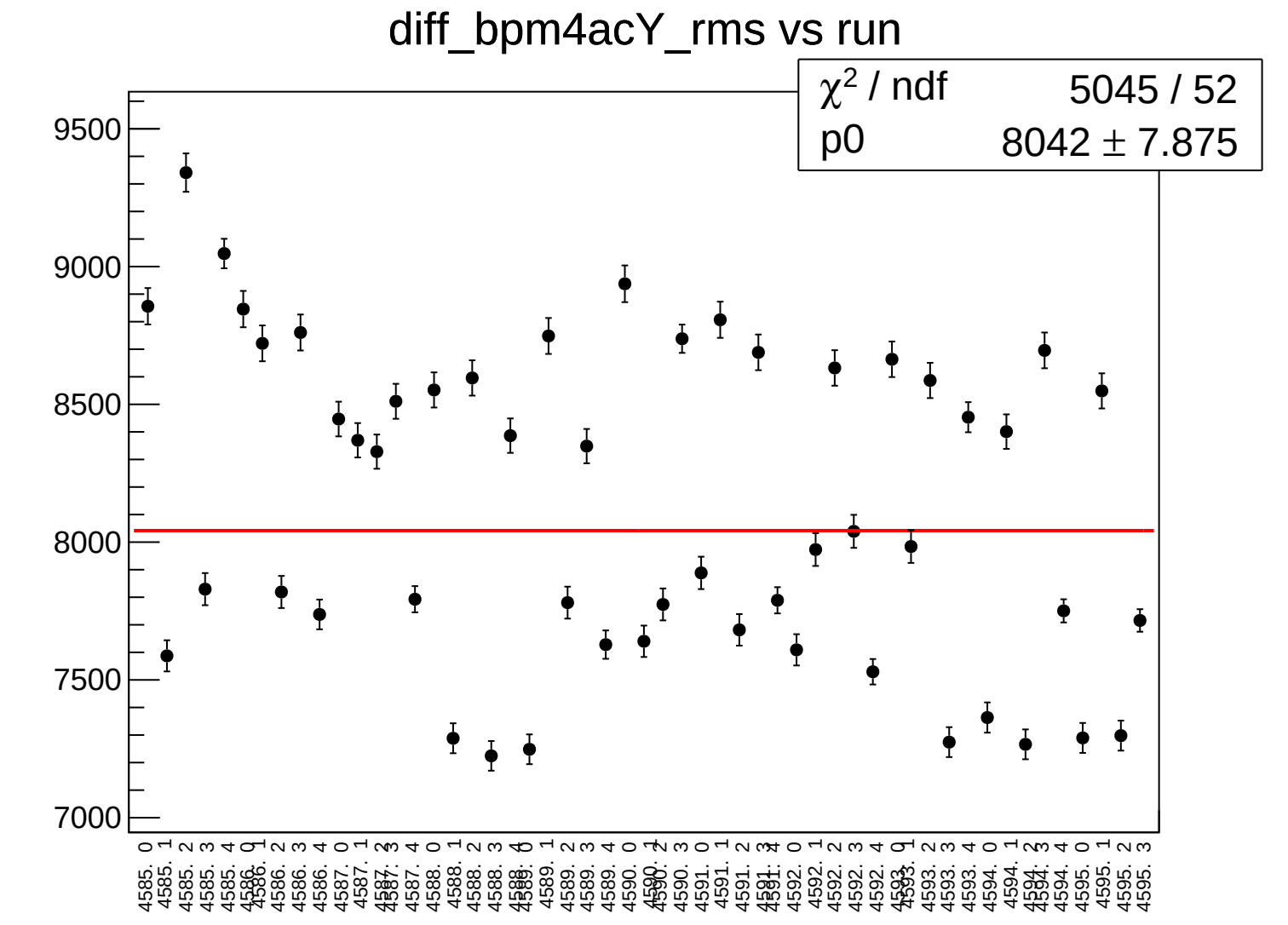

diff_bpm4acX_mean vs run
χ^2 / ndf 44.07 / 52
p0 3.102 ± 2.803
pull
Entries 53
Mean −2979
Std Dev 2985


pull1D
Entries 53
Mean 0.000288
Std Dev 0.9119


diff_bpm4acX_rms vs run
χ² / ndf 266.6 / 52
p0 2029 ± 1.982
2120
2100
2080
2060
2040
2020
2000
1980
1960
1940


diff_bpm4acY_mean vs run
χ² / ndf 58.22 / 52
p0 19.74 ± 11.14
pull
Entries 53
Mean −49.97
Std Dev 59


pull1D
Entries 53
Mean 0.0113
Std Dev 1.048


diff_bpm4acY_rms vs run
χ² / ndf 5045 / 52
p0 8042 ± 7.875
9500
9000
8500
8000
7500
7000
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
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4594. 1
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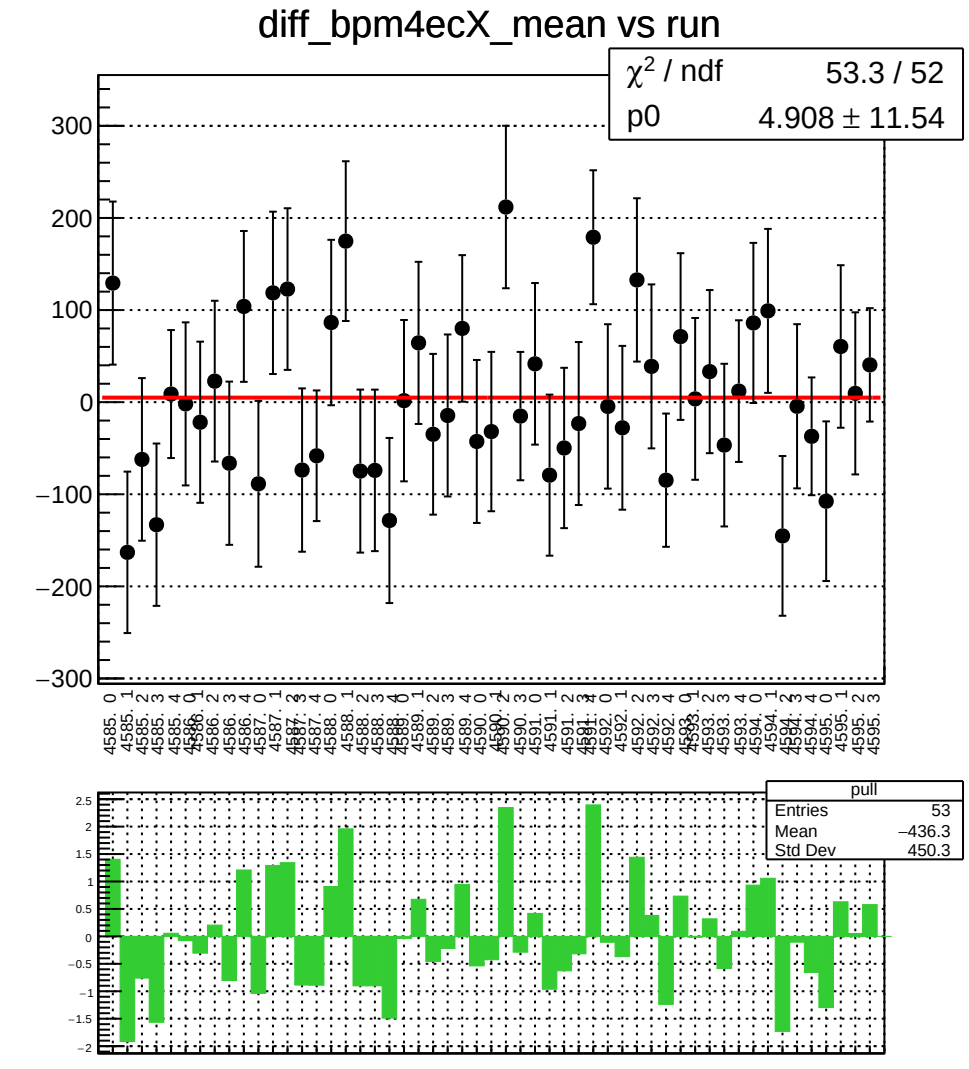
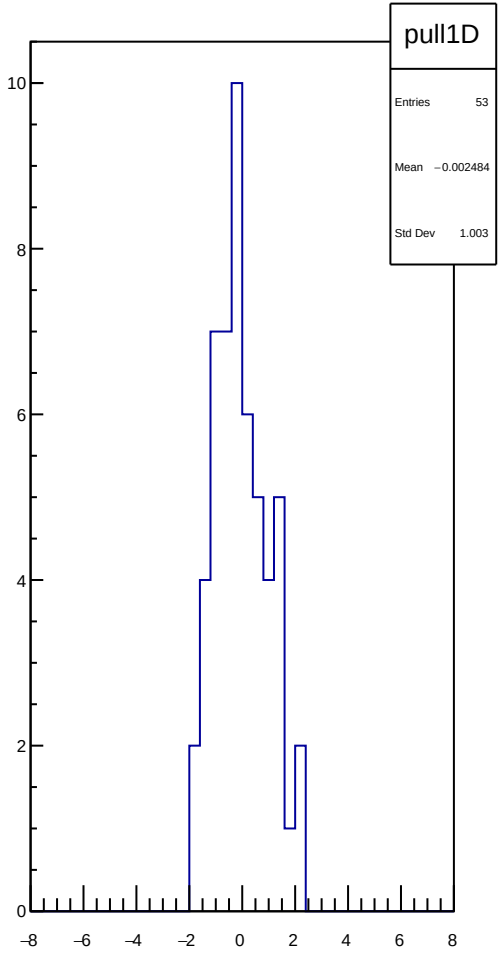
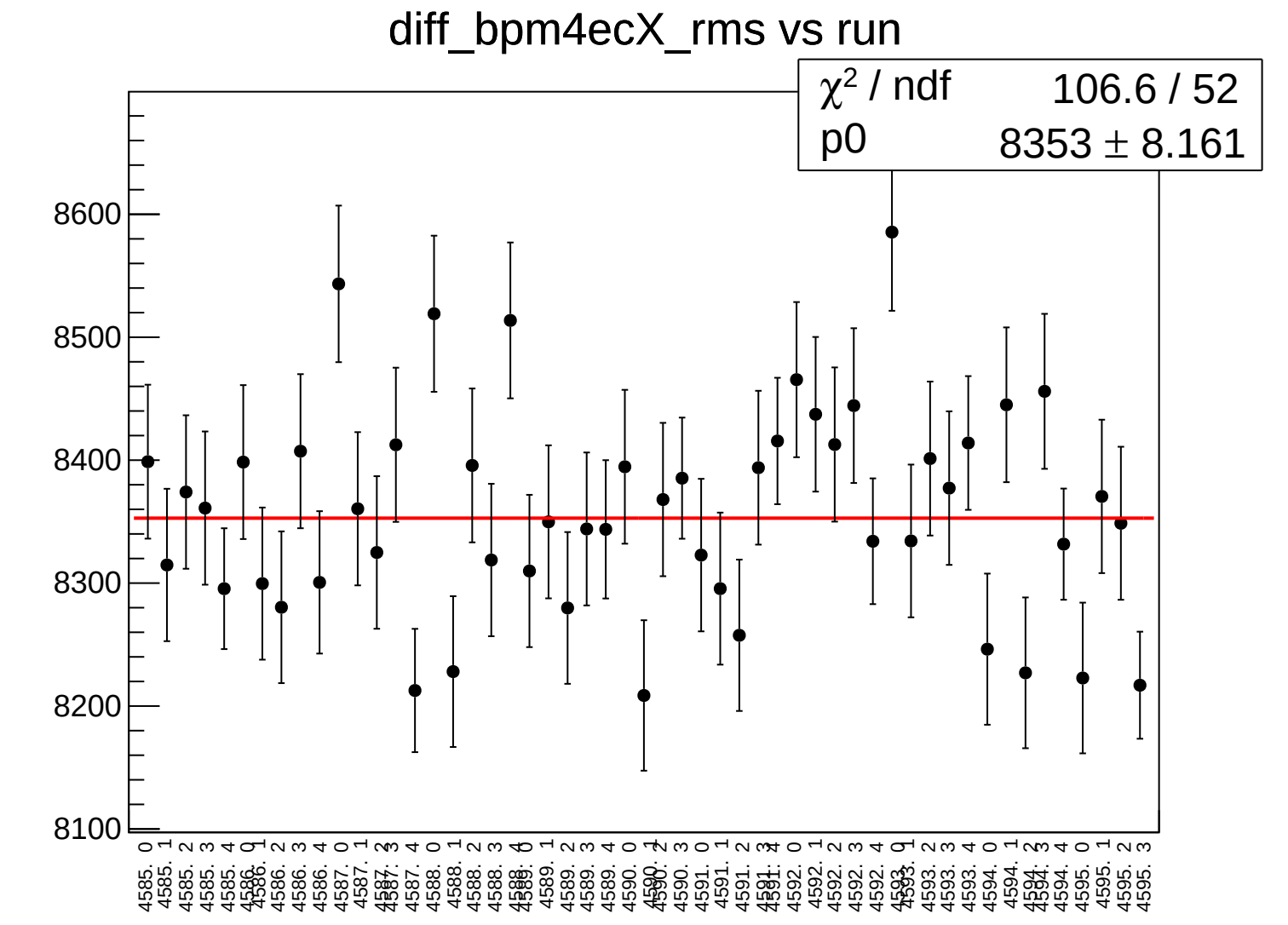
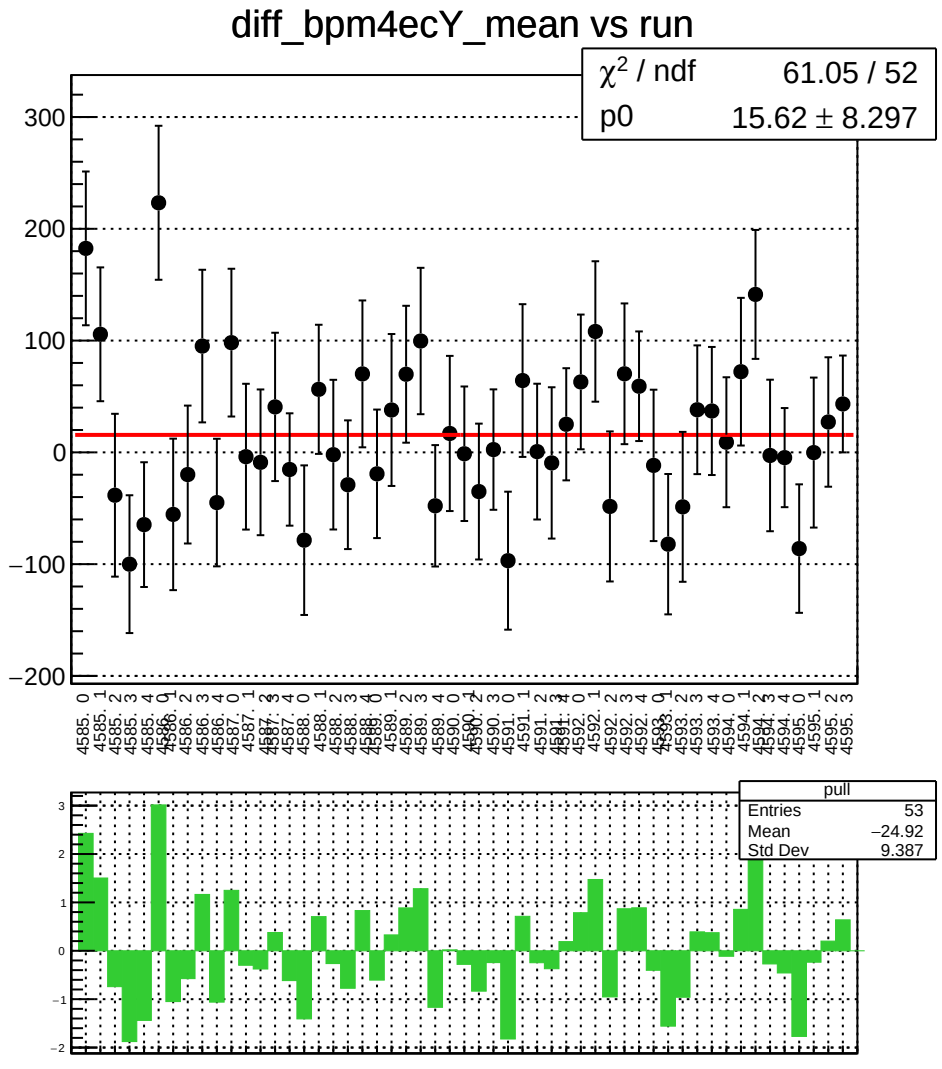
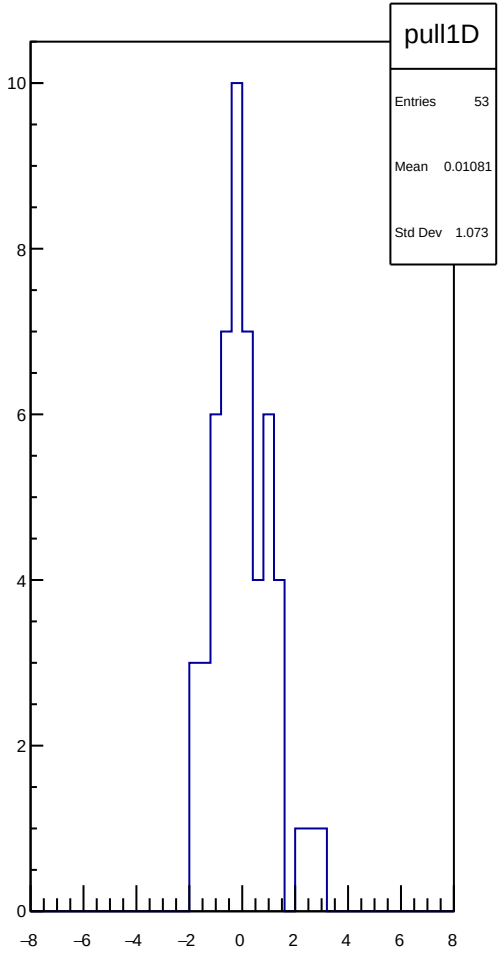
4595. 2
4595. 3

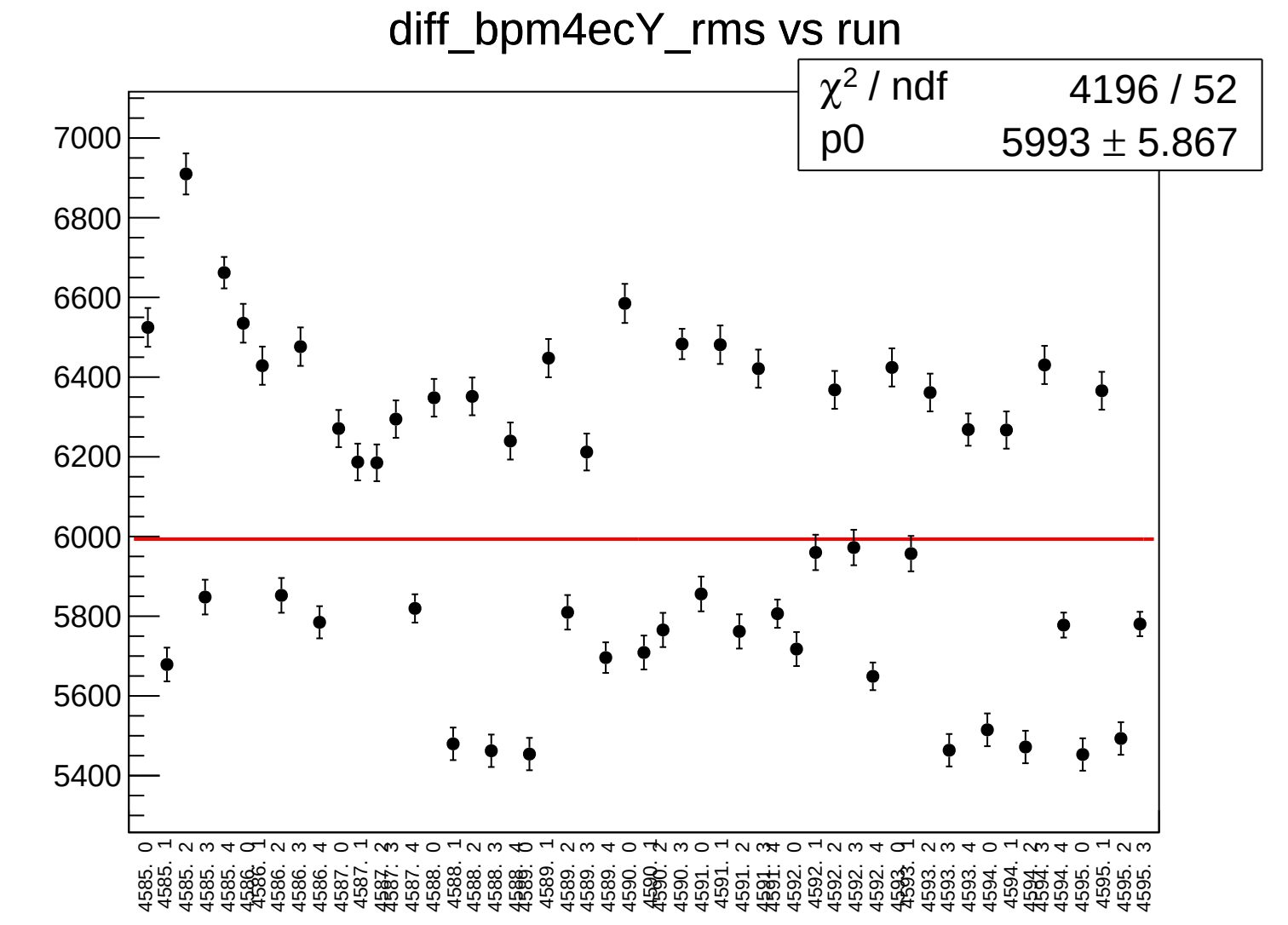

diff_bpm4ecX_mean vs run
χ² / ndf 53.3 / 52
p0 4.908 ± 11.54
pull
Entries 53
Mean −436.3
Std Dev 450.3

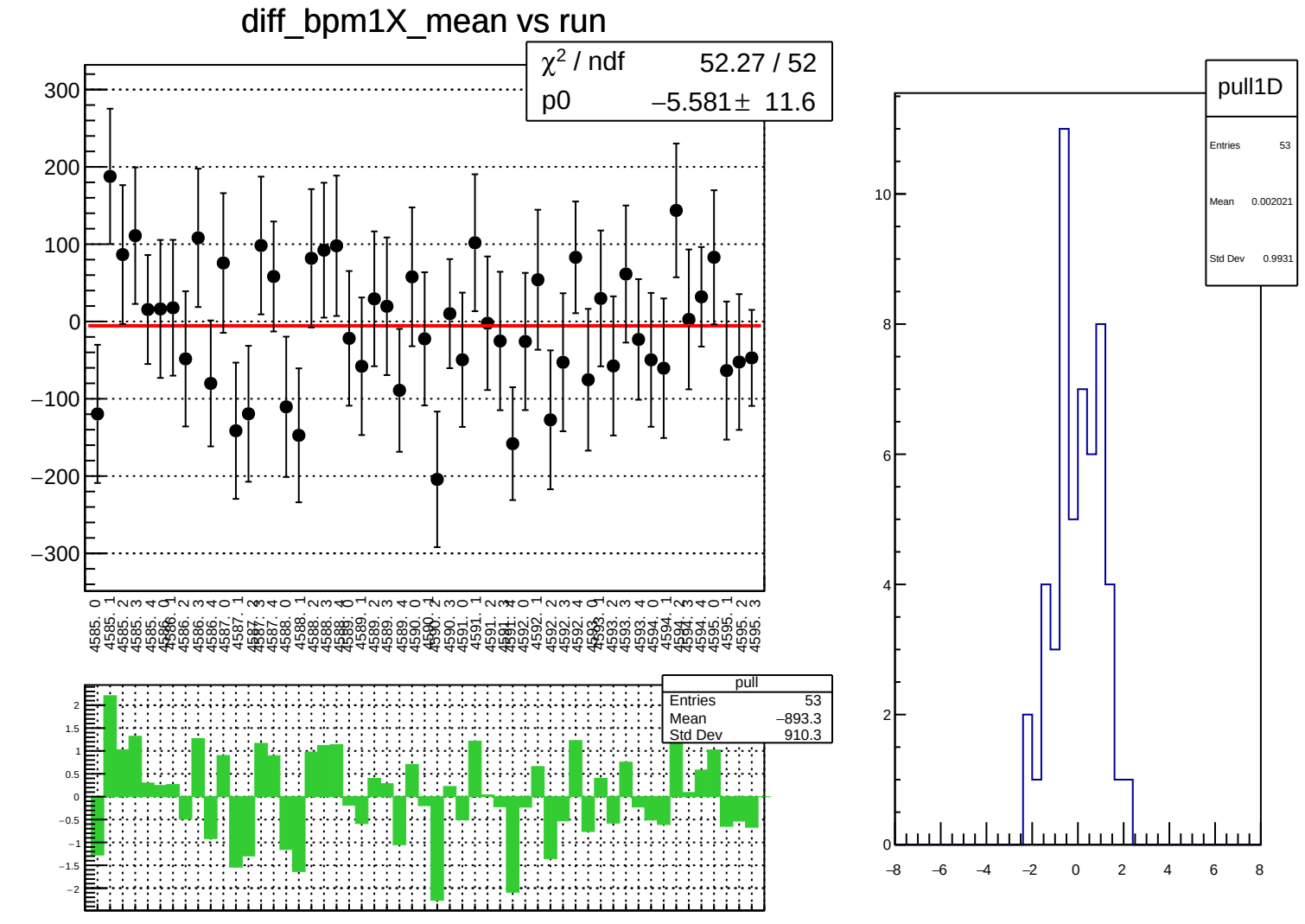

pull1D
Entries 53
Mean −0.002484
Std Dev 1.003

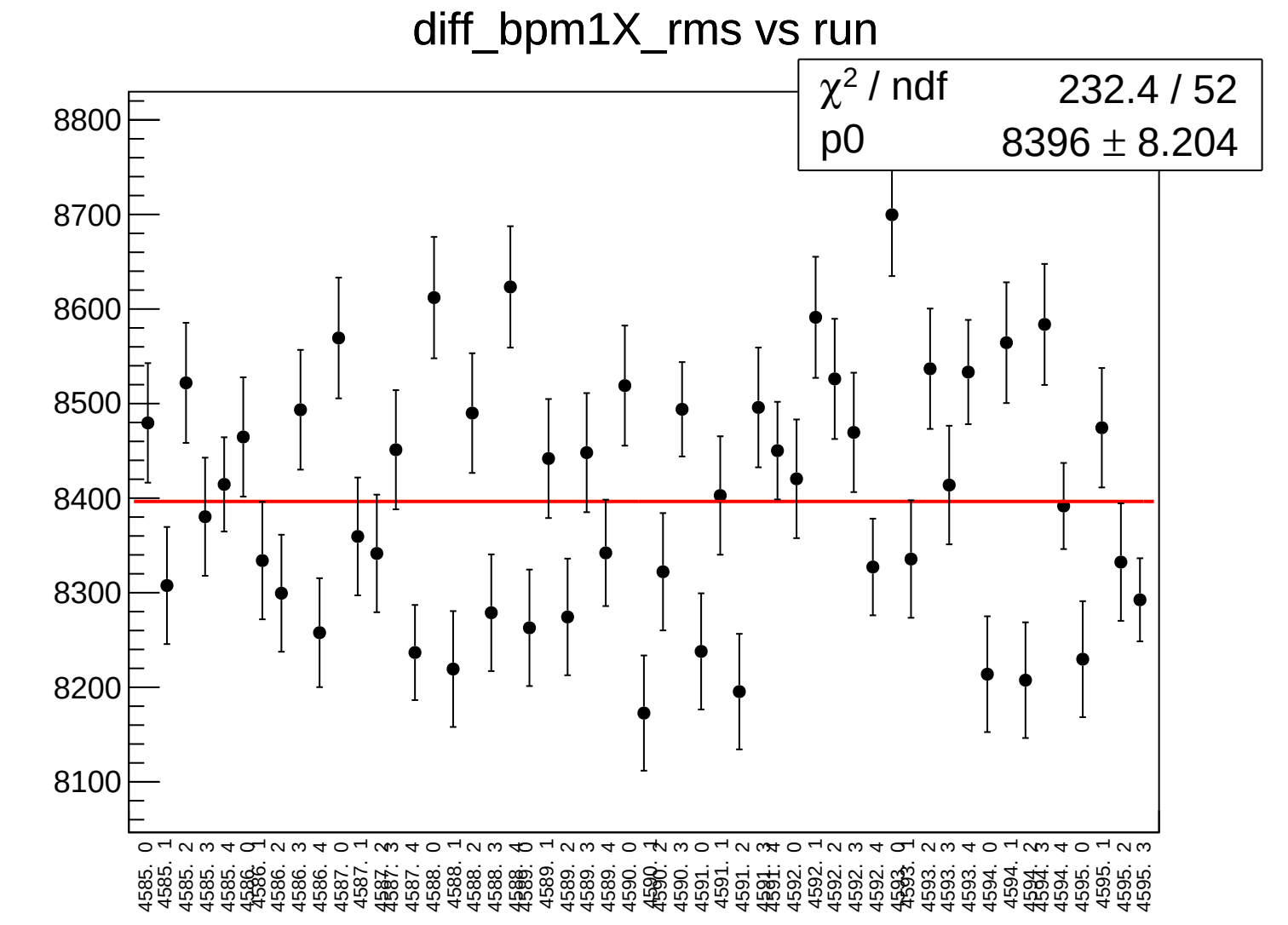

diff_bpm4ecX_rms vs run
χ² / ndf 106.6 / 52
p0 8353 ± 8.161
8600
8500
8400
8300
8200
8100
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


diff_bpm4ecY_mean vs run
χ^2 / ndf 61.05 / 52
p0 15.62 ± 8.297
pull
Entries 53
Mean −24.92
Std Dev 9.387


pull1D
Entries 53
Mean 0.01081
Std Dev 1.073


diff_bpm4ecY_rms vs run
χ² / ndf 4196 / 52
p0 5993 ± 5.867
7000
6800
6600
6400
6200
6000
5800
5600
5400


diff_bpm1X_mean vs run
χ² / ndf 52.27 / 52
p0 −5.581 ± 11.6
pull
Entries 53
Mean −893.3
Std Dev 910.3
pull1D
Entries 53
Mean 0.002021
Std Dev 0.9931


diff_bpm1X_rms vs run
χ² / ndf 232.4 / 52
p0 8396 ± 8.204
8800
8700
8600
8500
8400
8300
8200
8100
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
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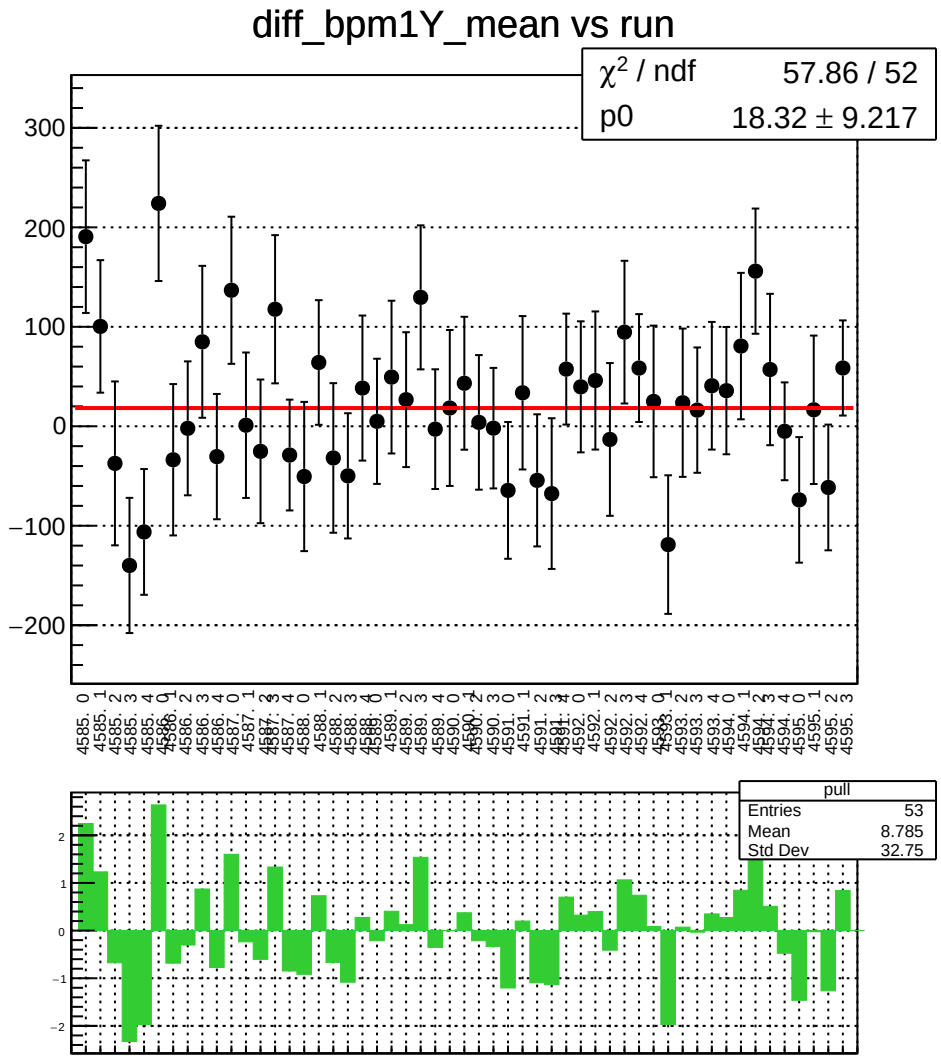
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


diff_bpm1Y_mean vs run
χ² / ndf 57.86 / 52
p0 18.32 ± 9.217
300
200
100
0
−100
−200
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
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4587. 3
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4588. 4
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4591. 2
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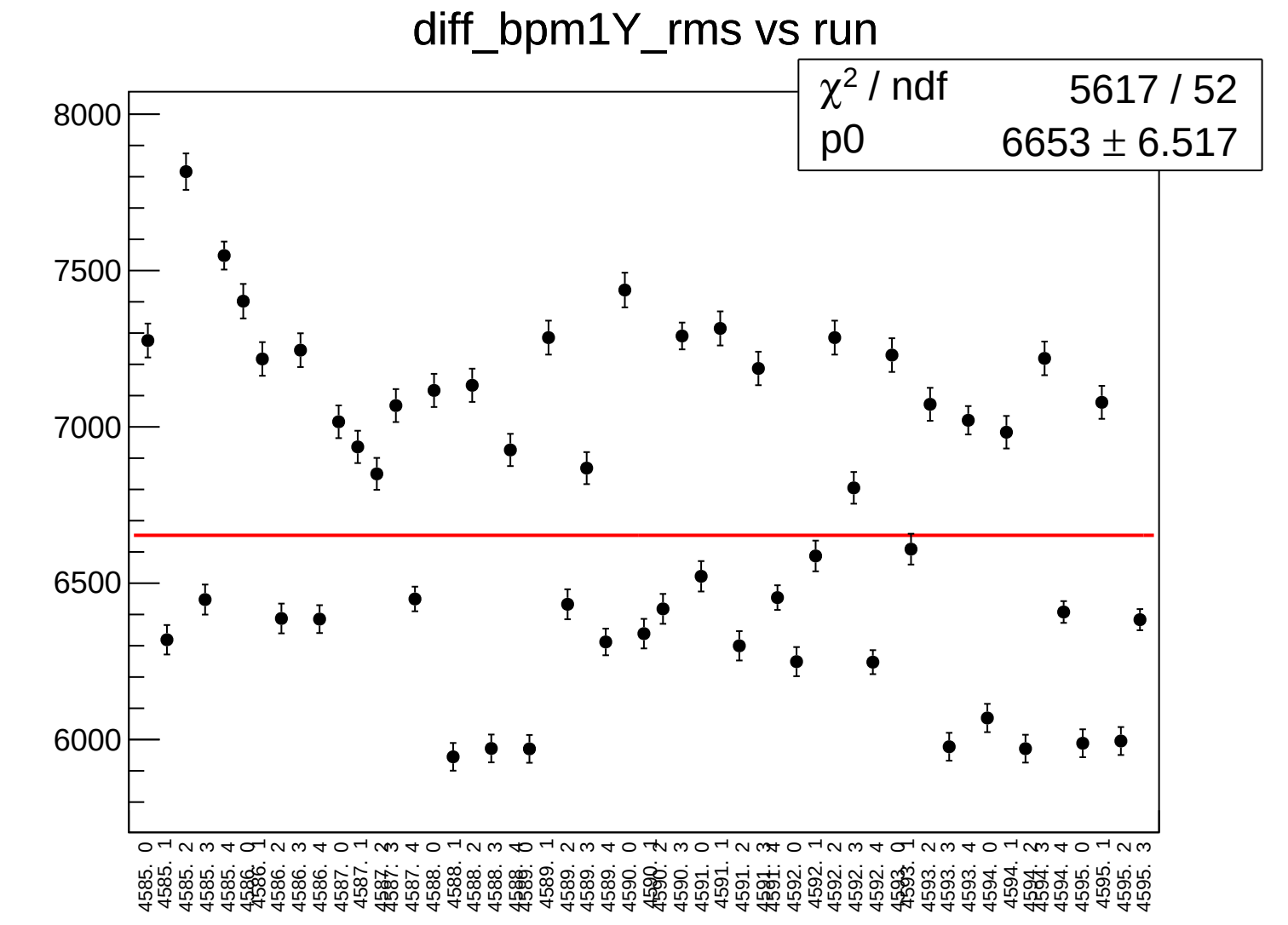
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3
pull
Entries 53
Mean 8.785
Std Dev 32.75
2
1
0
−1
−2
pull1D
Entries 53
Mean 0.0131
Std Dev 1.045
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm1Y_rms vs run
χ^2 / ndf 5617 / 52
p0 6653 ± 6.517
8000
7500
7000
6500
6000
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
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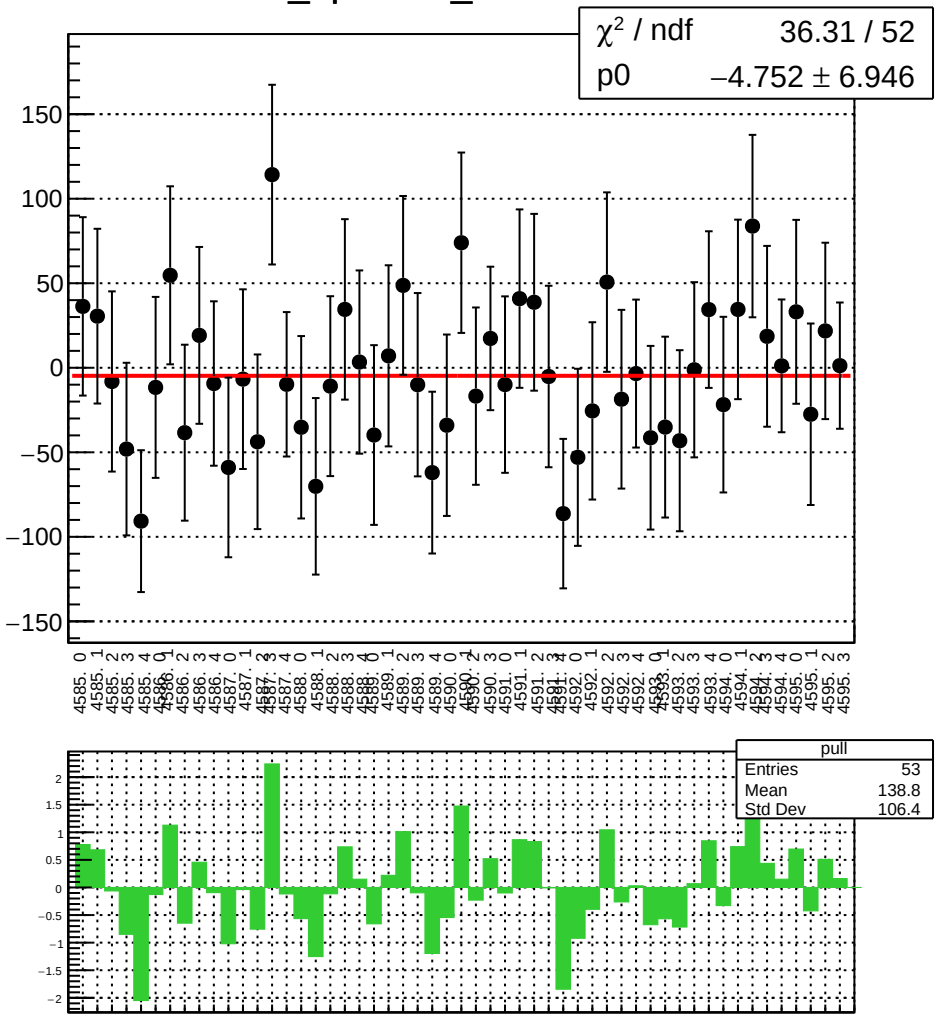
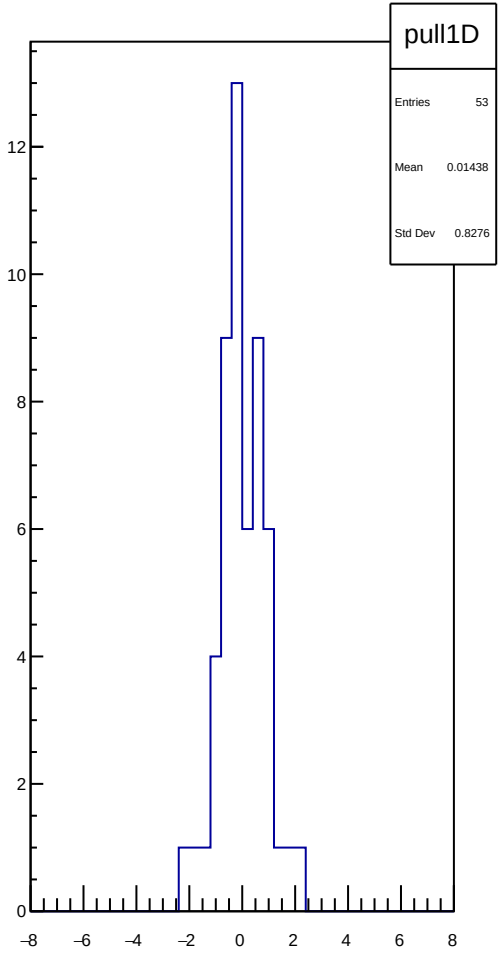
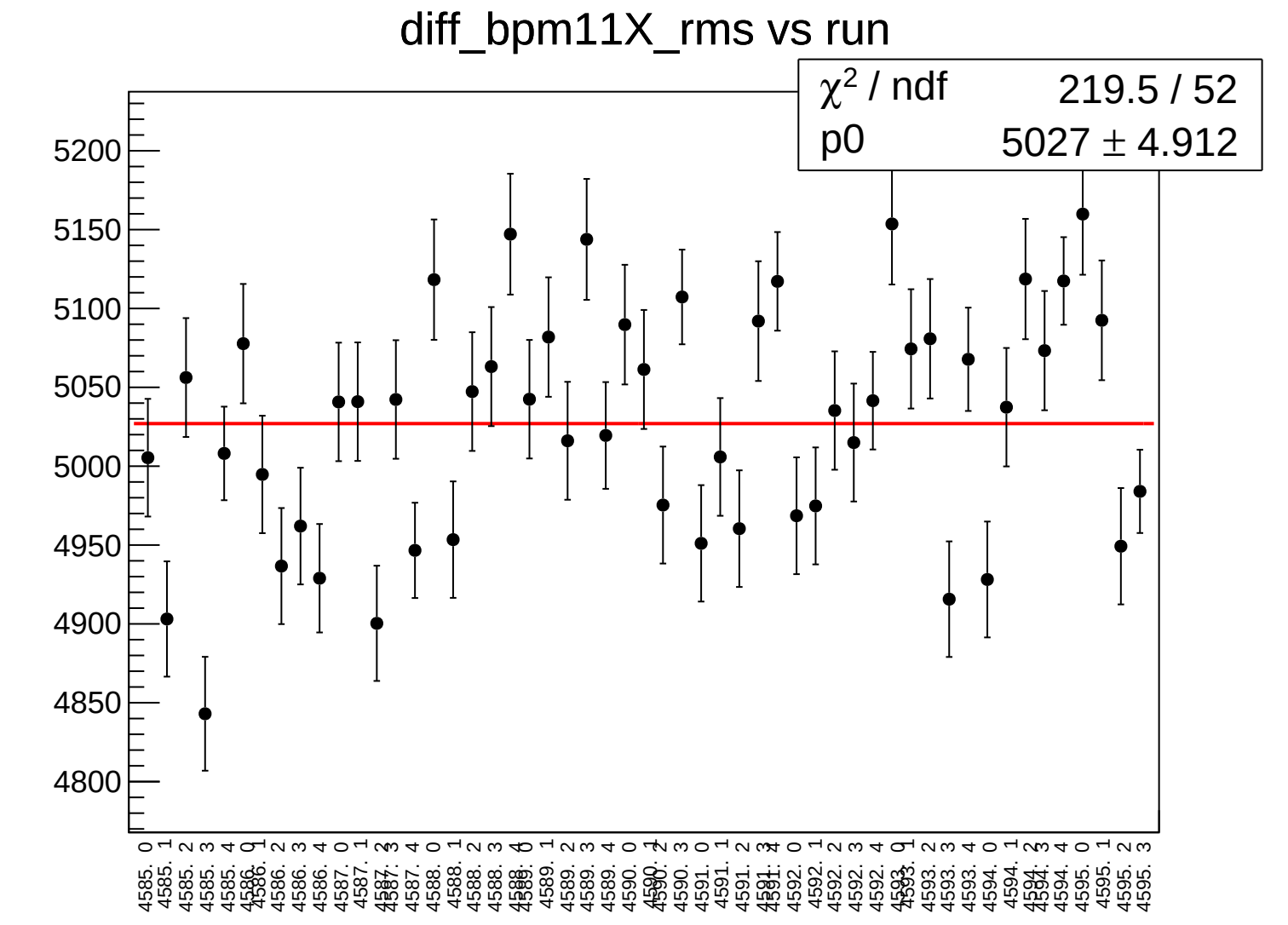
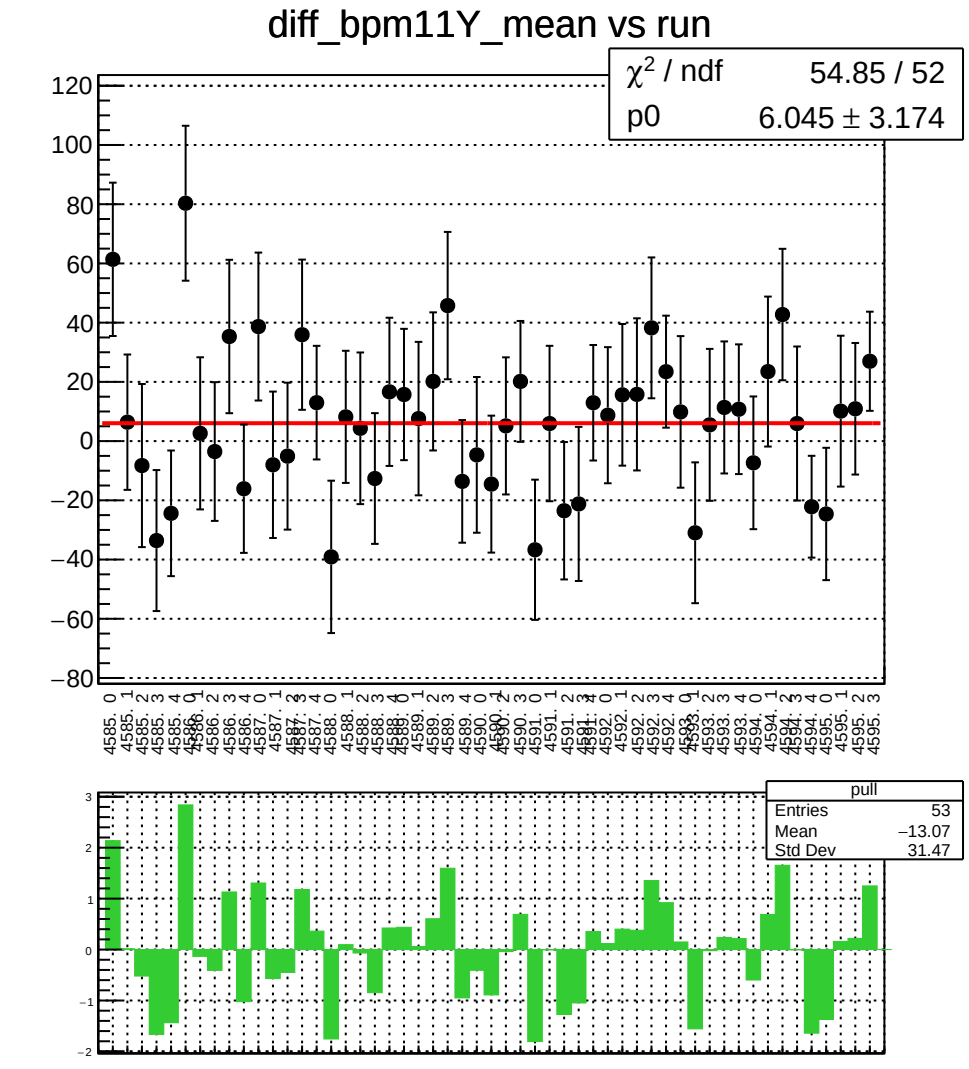
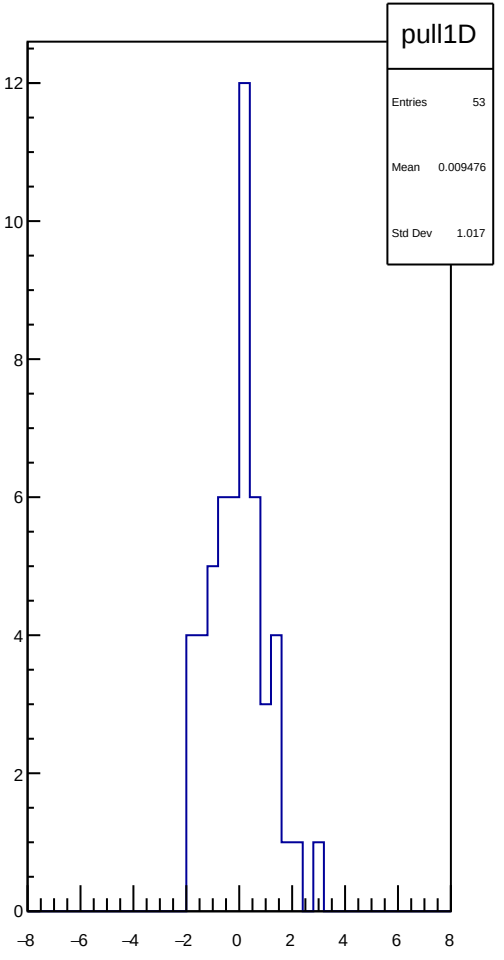
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

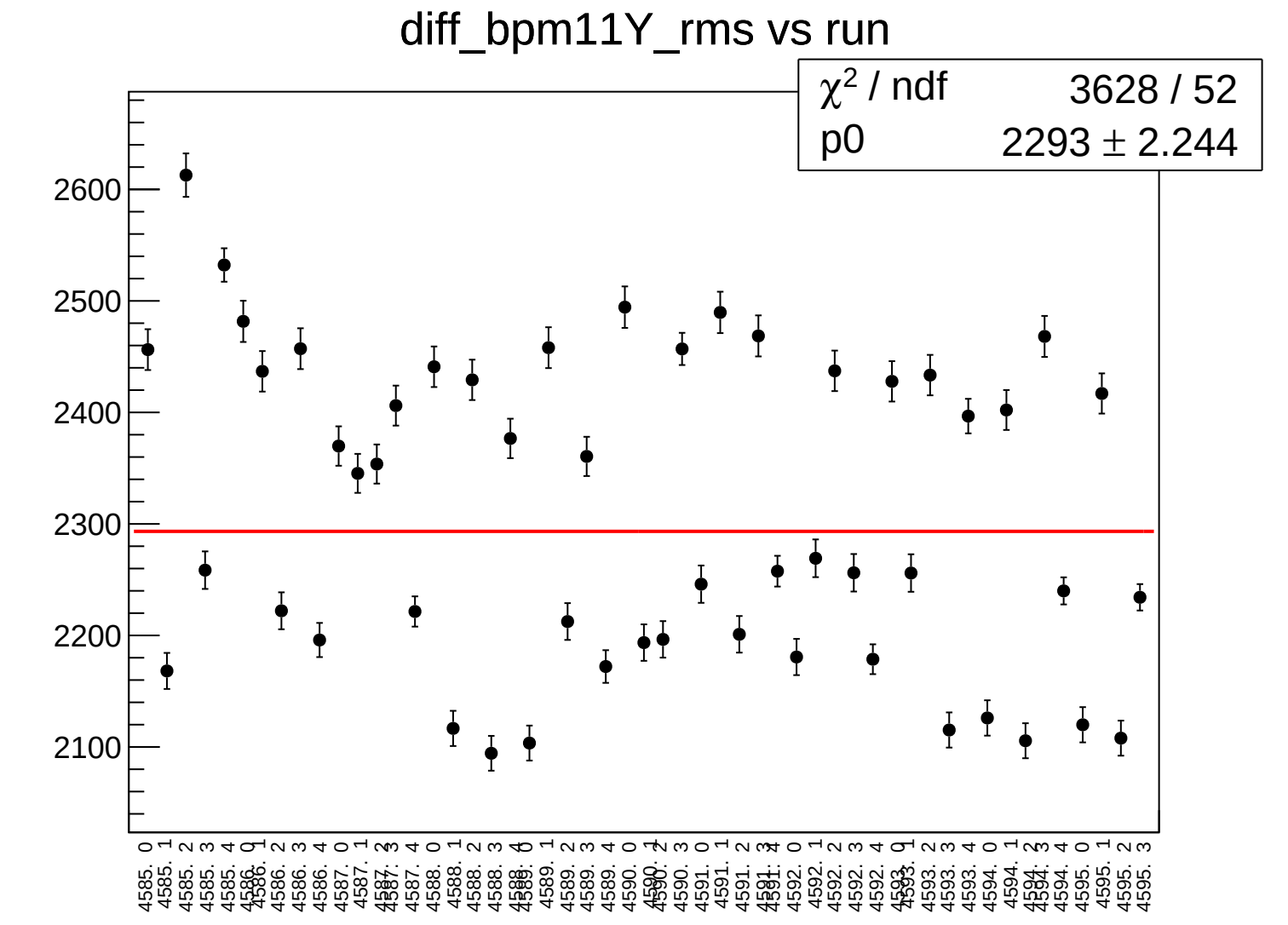

diff_bpm11X_mean vs run
χ^2 / ndf 36.31 / 52
p0 −4.752 ± 6.946
pull
Entries 53
Mean 138.8
Std Dev 106.4


pull1D
Entries 53
Mean 0.01438
Std Dev 0.8276


diff_bpm11X_rms vs run
χ² / ndf 219.5 / 52
p0 5027 ± 4.912
5200
5150
5100
5050
5000
4950
4900
4850
4800


diff_bpm11Y_mean vs run
χ² / ndf 54.85 / 52
p0 6.045 ± 3.174
pull
Entries 53
Mean −13.07
Std Dev 31.47


pull1D
Entries 53
Mean 0.009476
Std Dev 1.017


diff_bpm11Y_rms vs run
χ² / ndf 3628 / 52
p0 2293 ± 2.244
2600
2500
2400
2300
2200
2100
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
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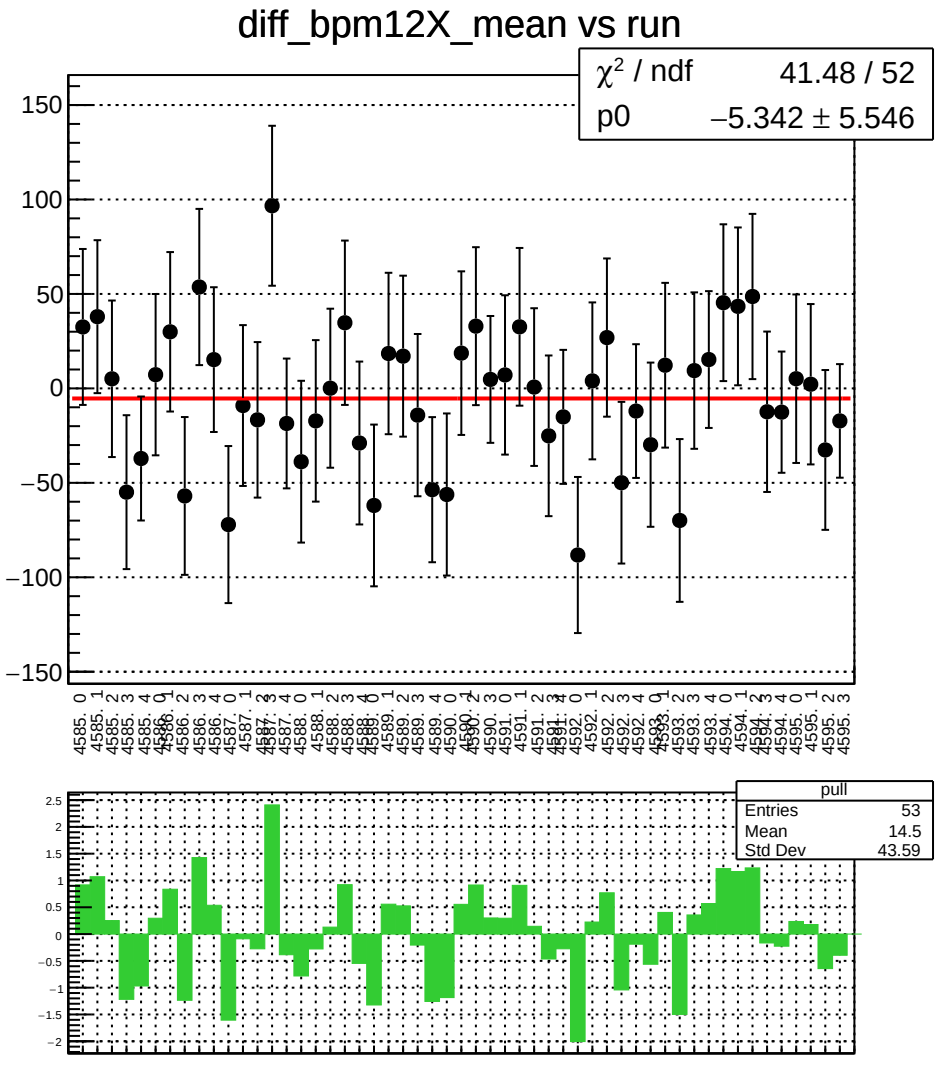
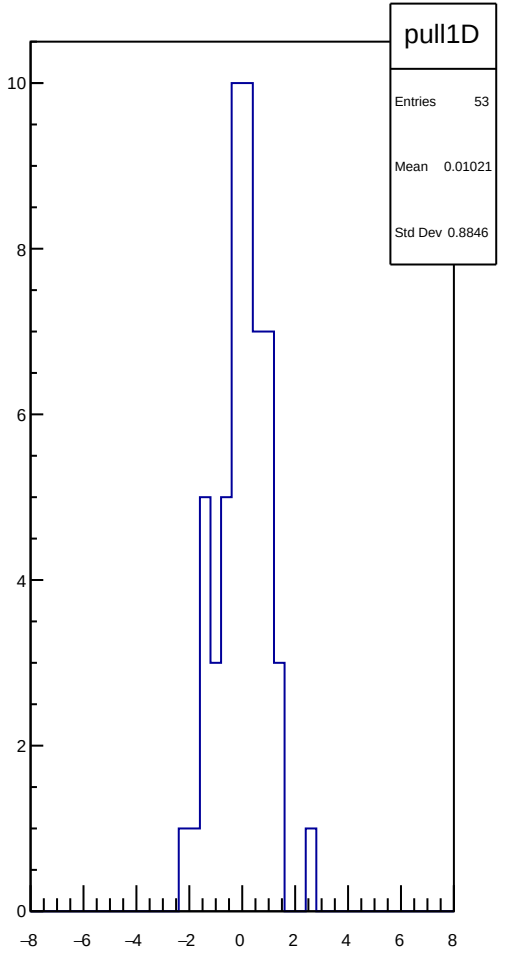
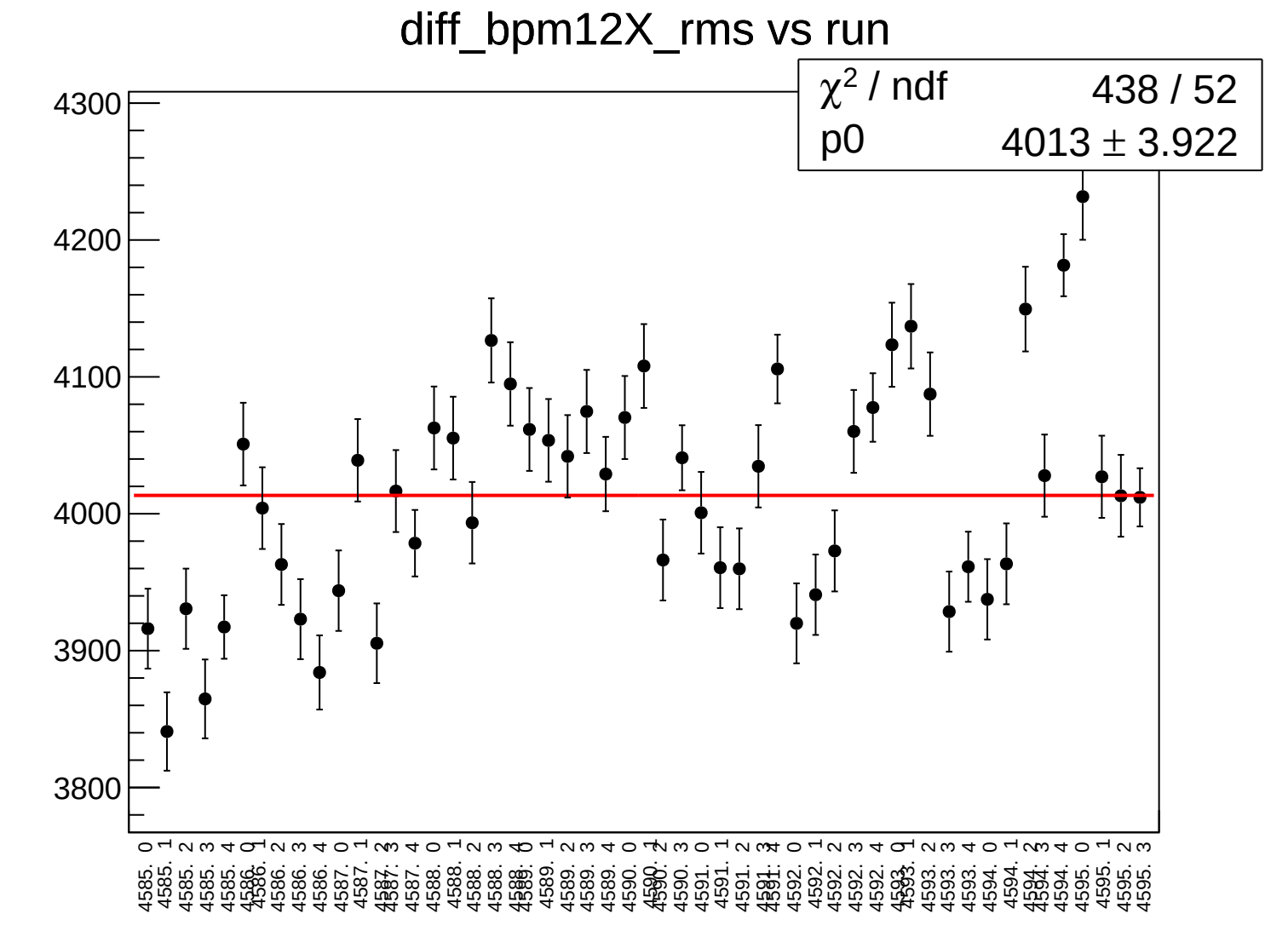
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


diff_bpm12X_mean vs run
χ² / ndf 41.48 / 52
p0 −5.342 ± 5.546
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean 14.5
Std Dev 43.59
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean 0.01021
Std Dev 0.8846
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm12X_rms vs run
χ² / ndf 438 / 52
p0 4013 ± 3.922
4300
4200
4100
4000
3900
3800
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
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4589. 2
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4593. 1
4593. 2
4593. 3
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4594. 2
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4595. 0
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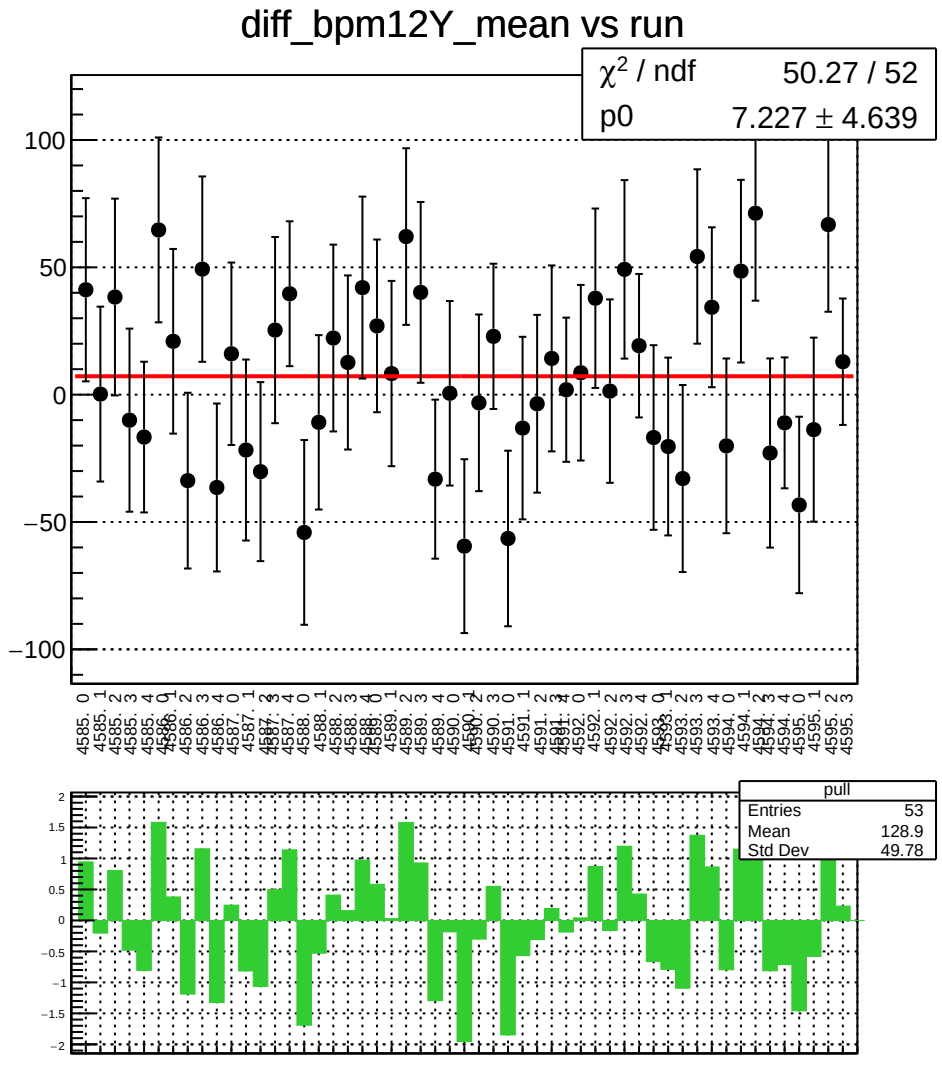
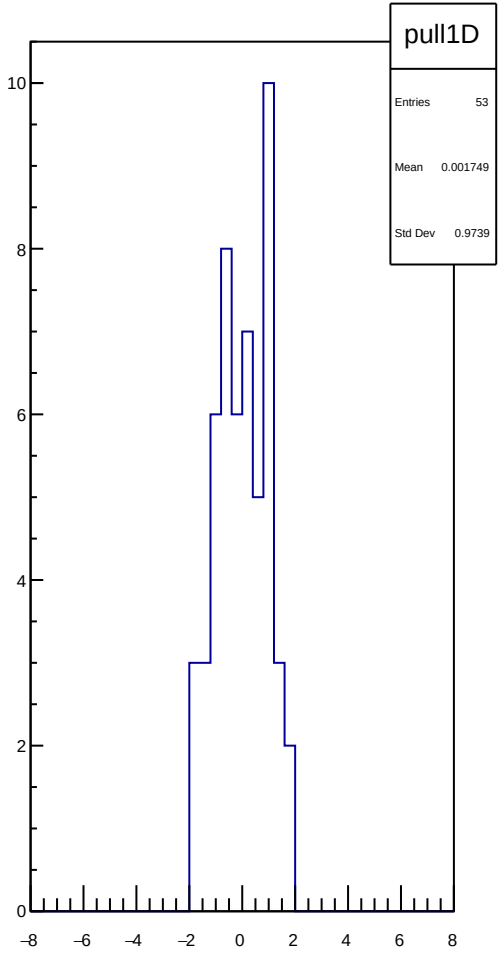
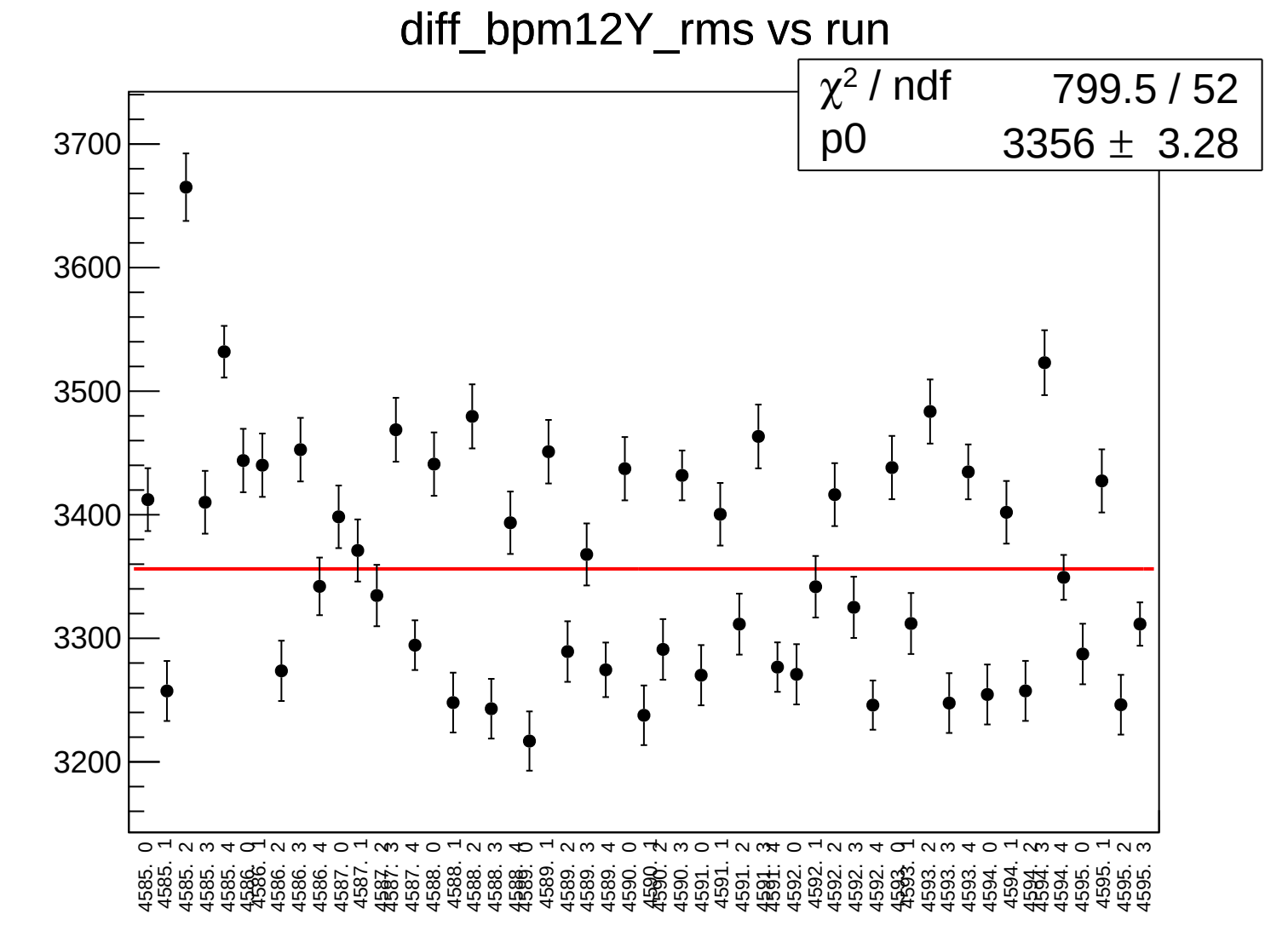
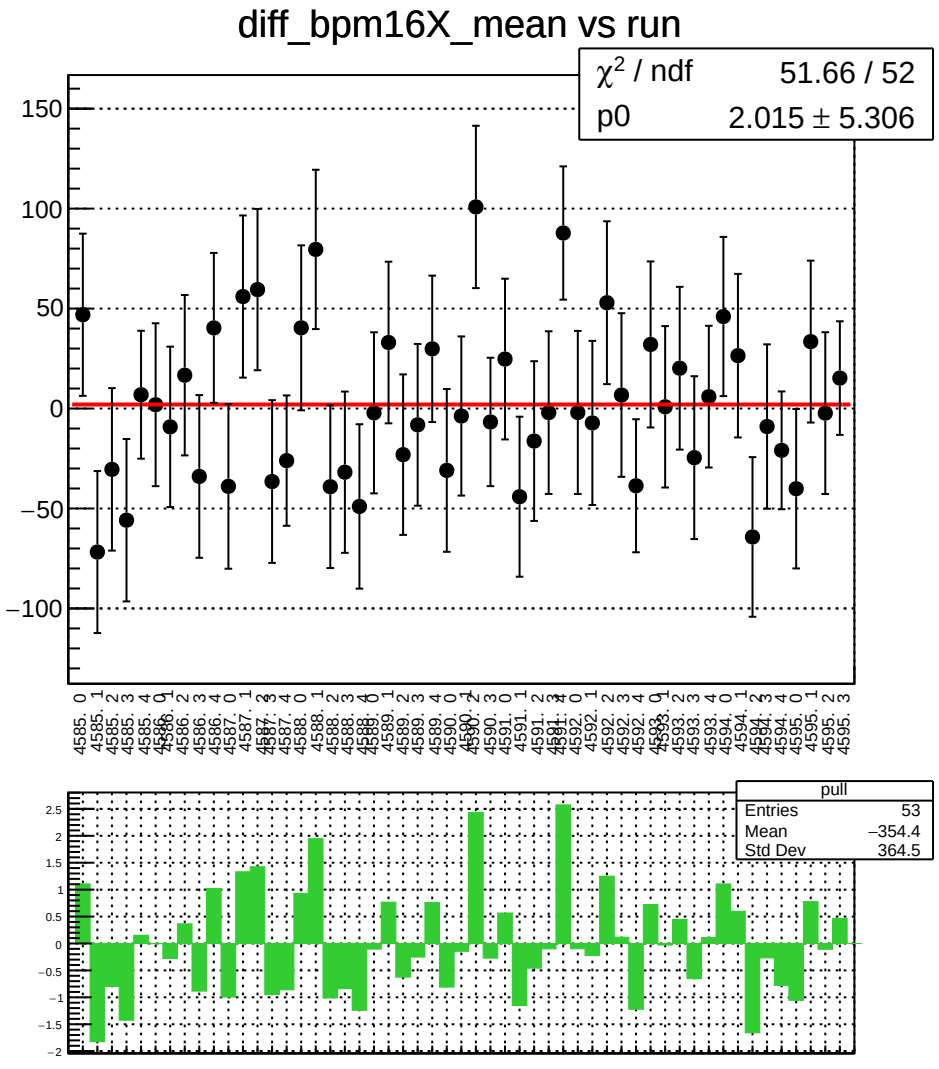
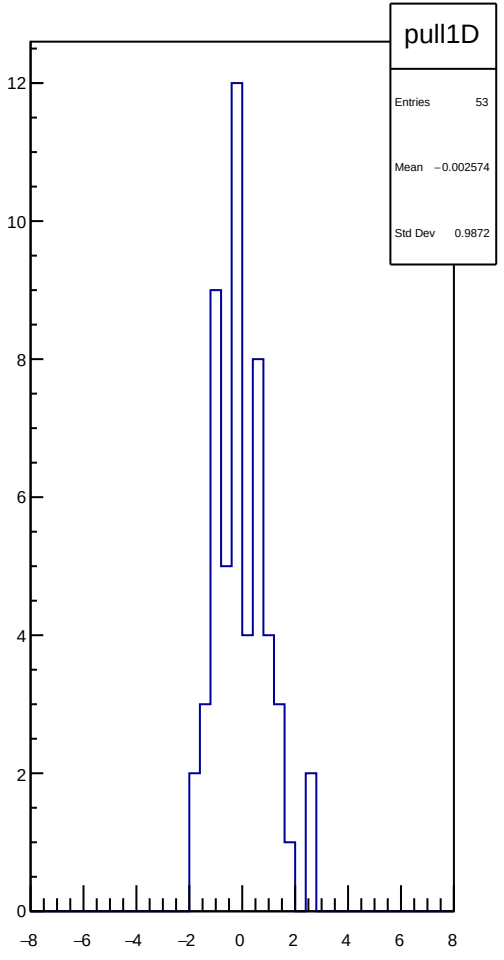
4595. 2
4595. 3

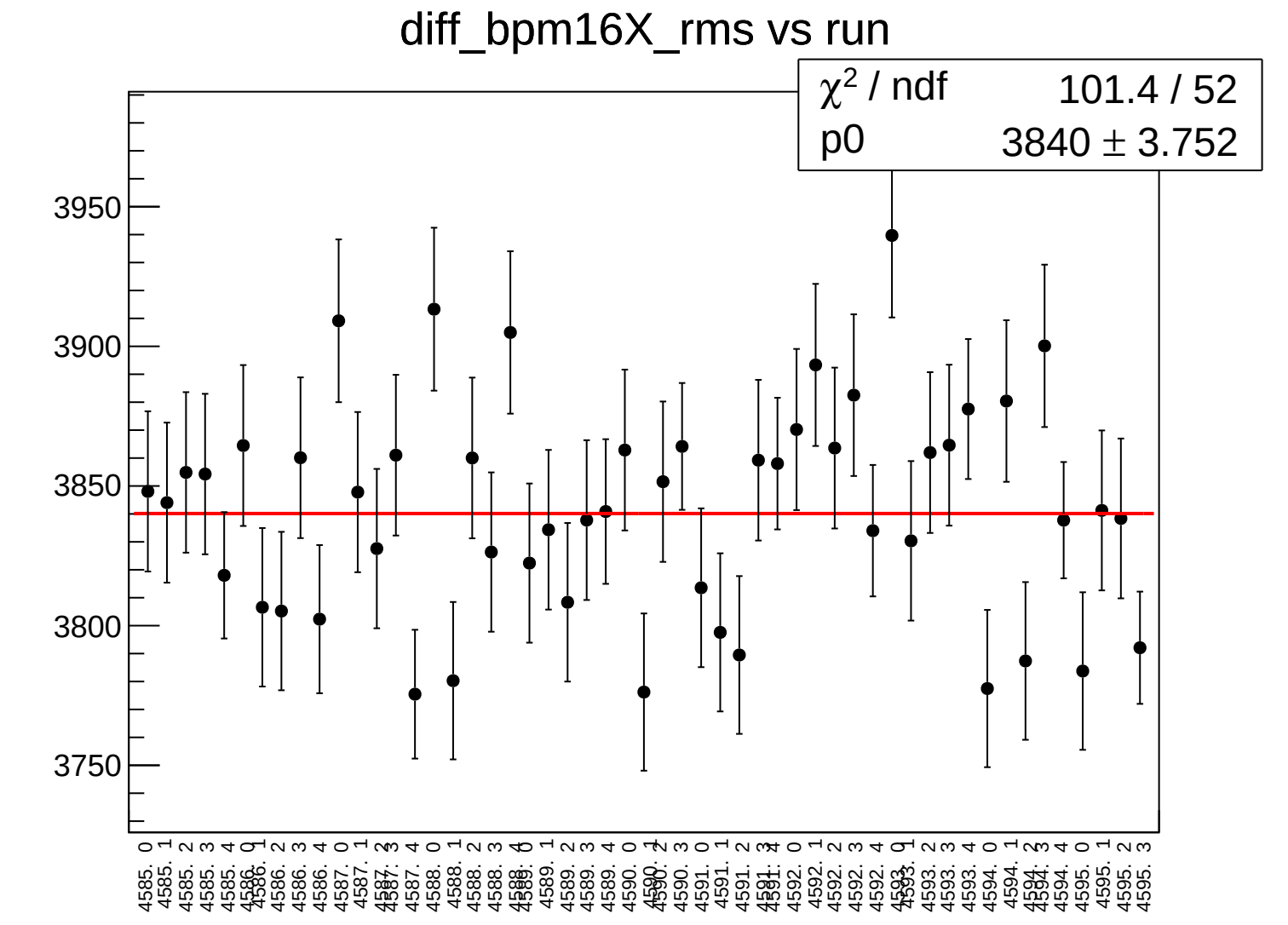

diff_bpm12Y_mean vs run
χ² / ndf 50.27 / 52
p0 7.227 ± 4.639
pull
Entries 53
Mean 128.9
Std Dev 49.78

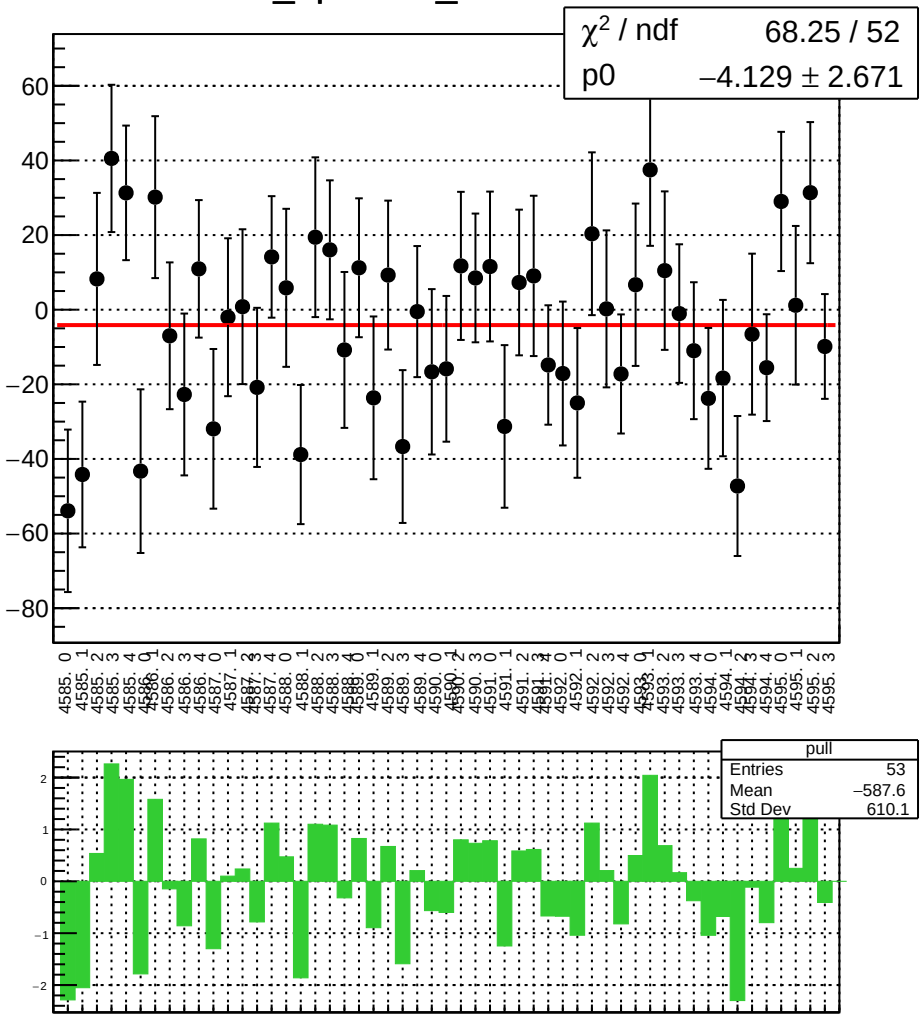

pull1D
Entries 53
Mean 0.001749
Std Dev 0.9739

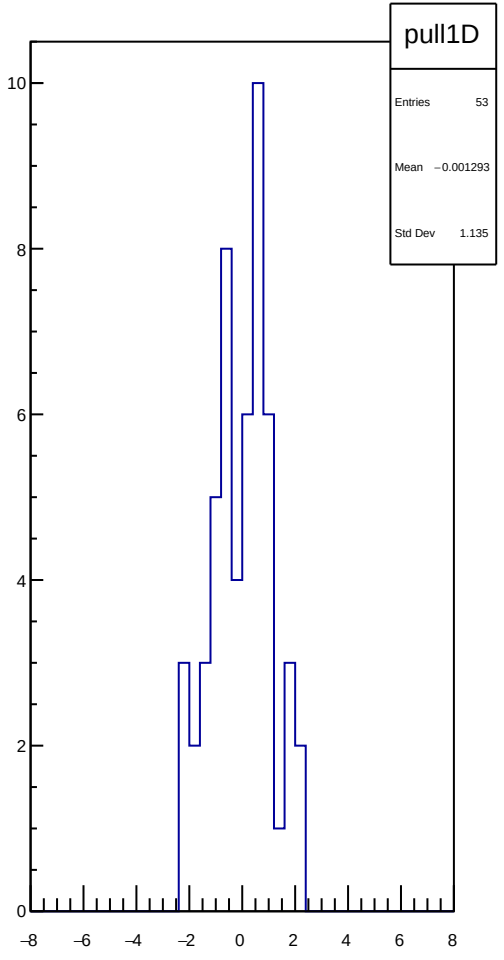

diff_bpm12Y_rms vs run
χ² / ndf 799.5 / 52
p0 3356 ± 3.28
3700
3600
3500
3400
3300
3200
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

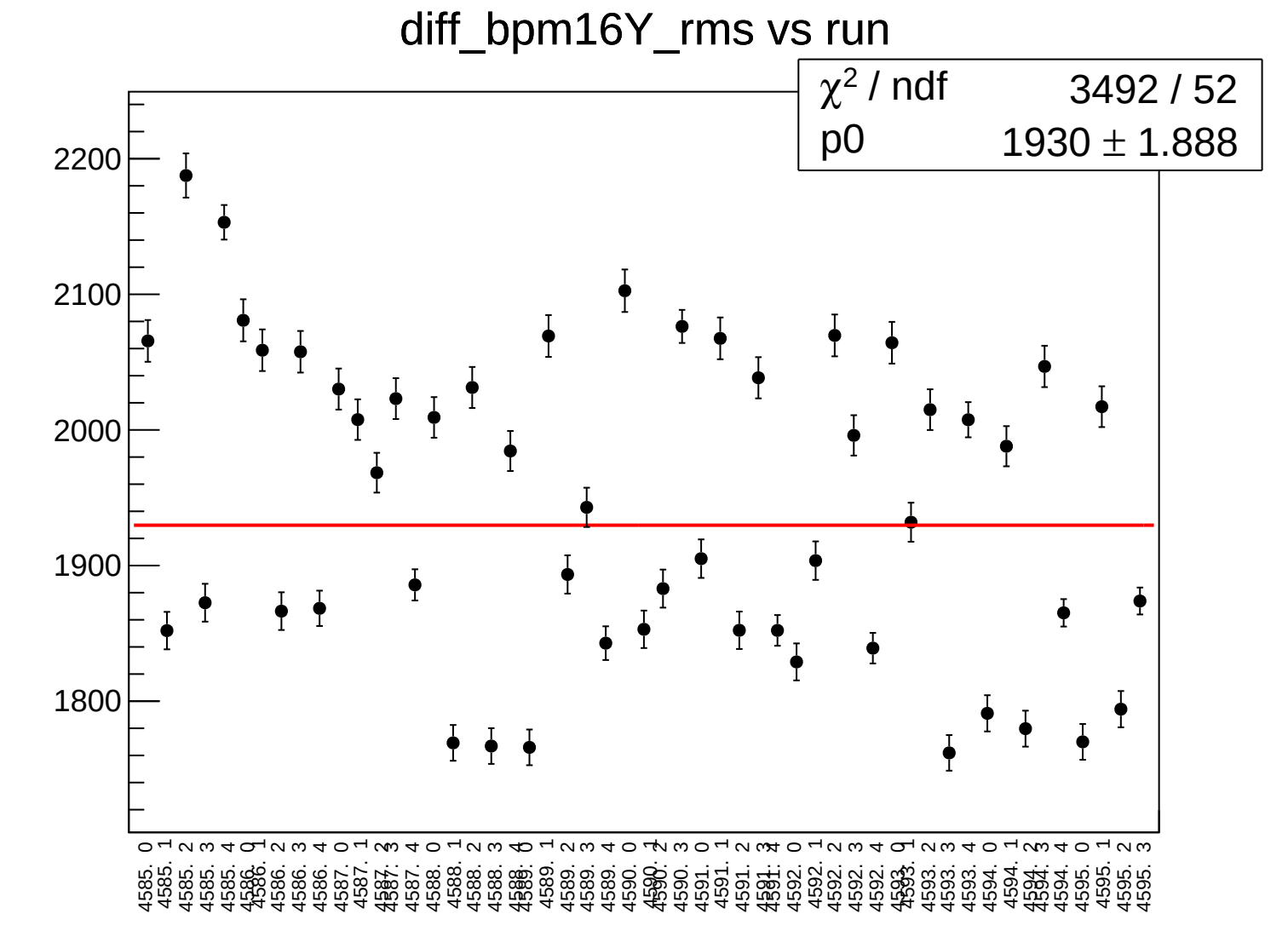

diff_bpm16X_mean vs run
χ^2 / ndf 51.66 / 52
p0 2.015 ± 5.306
150
100
50
0
−50
−100
pull
Entries 53
Mean −354.4
Std Dev 364.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

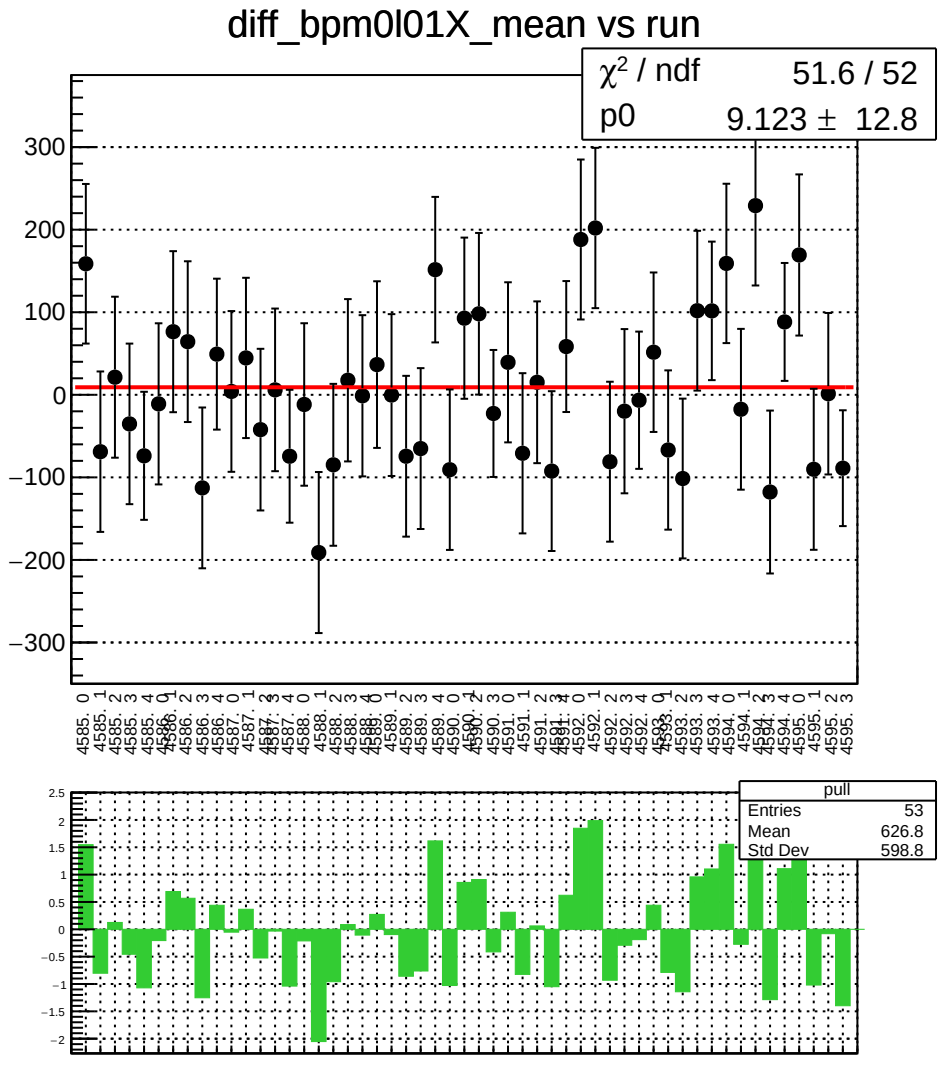

pull1D
Entries 53
Mean −0.002574
Std Dev 0.9872
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

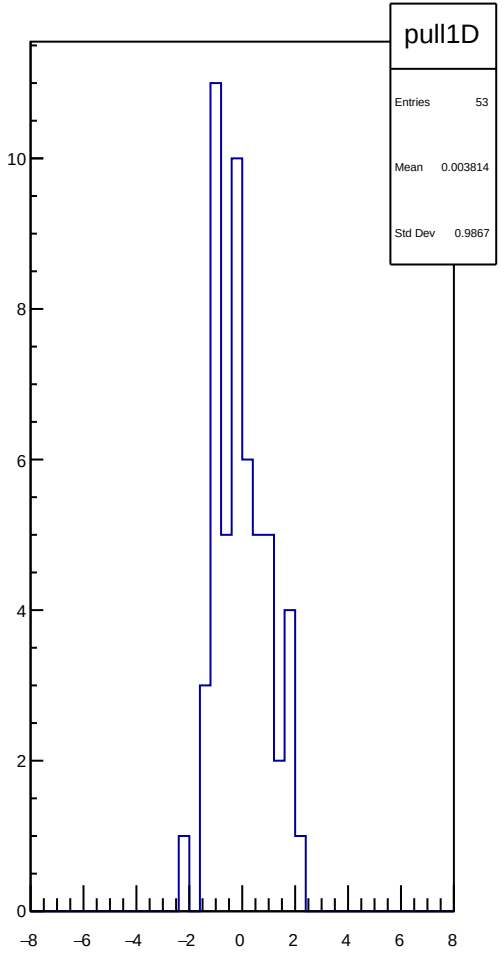

diff_bpm16X_rms vs run
χ² / ndf 101.4 / 52
p0 3840 ± 3.752
3950
3900
3850
3800
3750
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

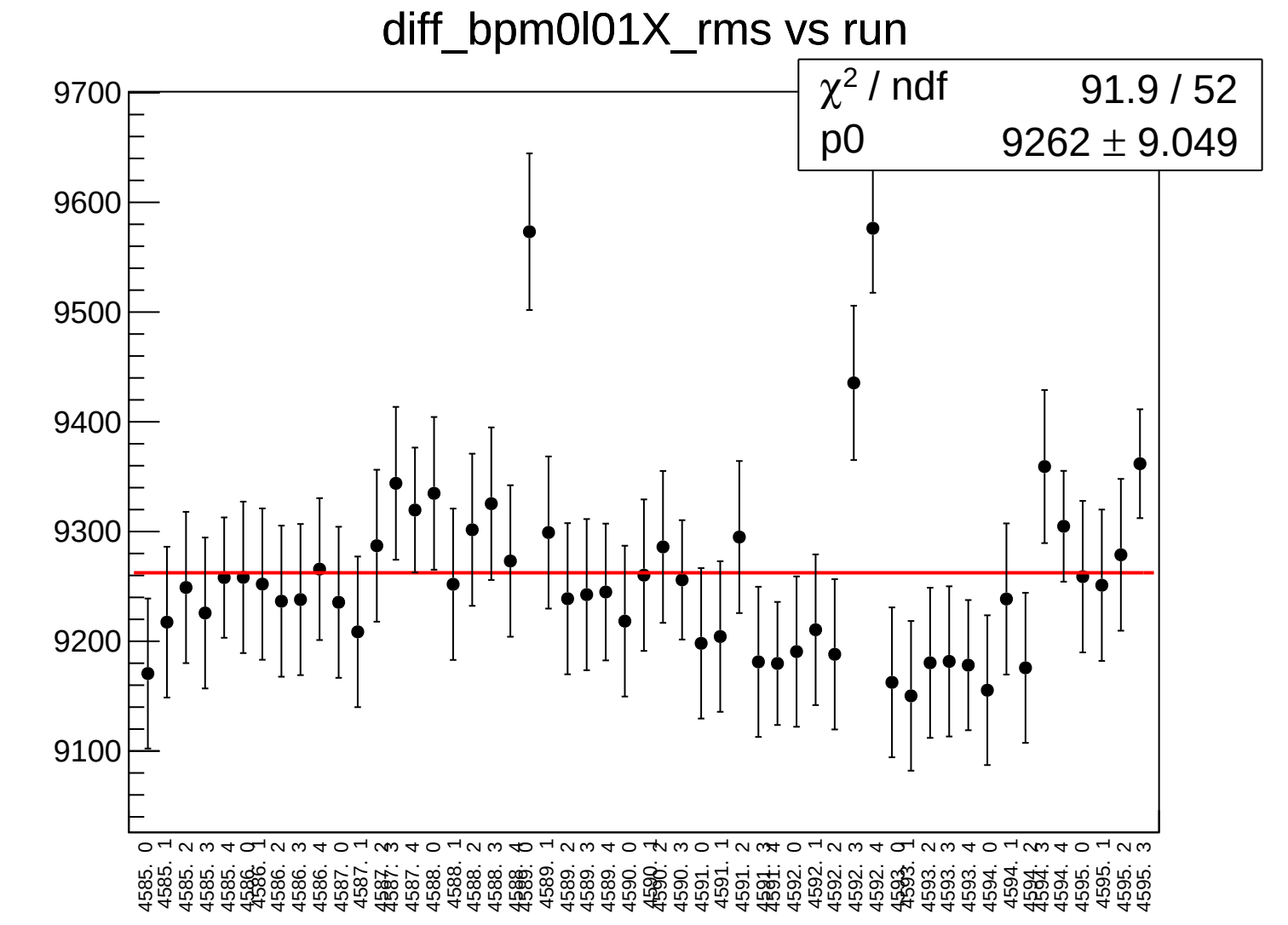

diff_bpm16Y_mean vs run
χ² / ndf 68.25 / 52
p0 −4.129 ± 2.671
pull
Entries 53
Mean −587.6
Std Dev 610.1

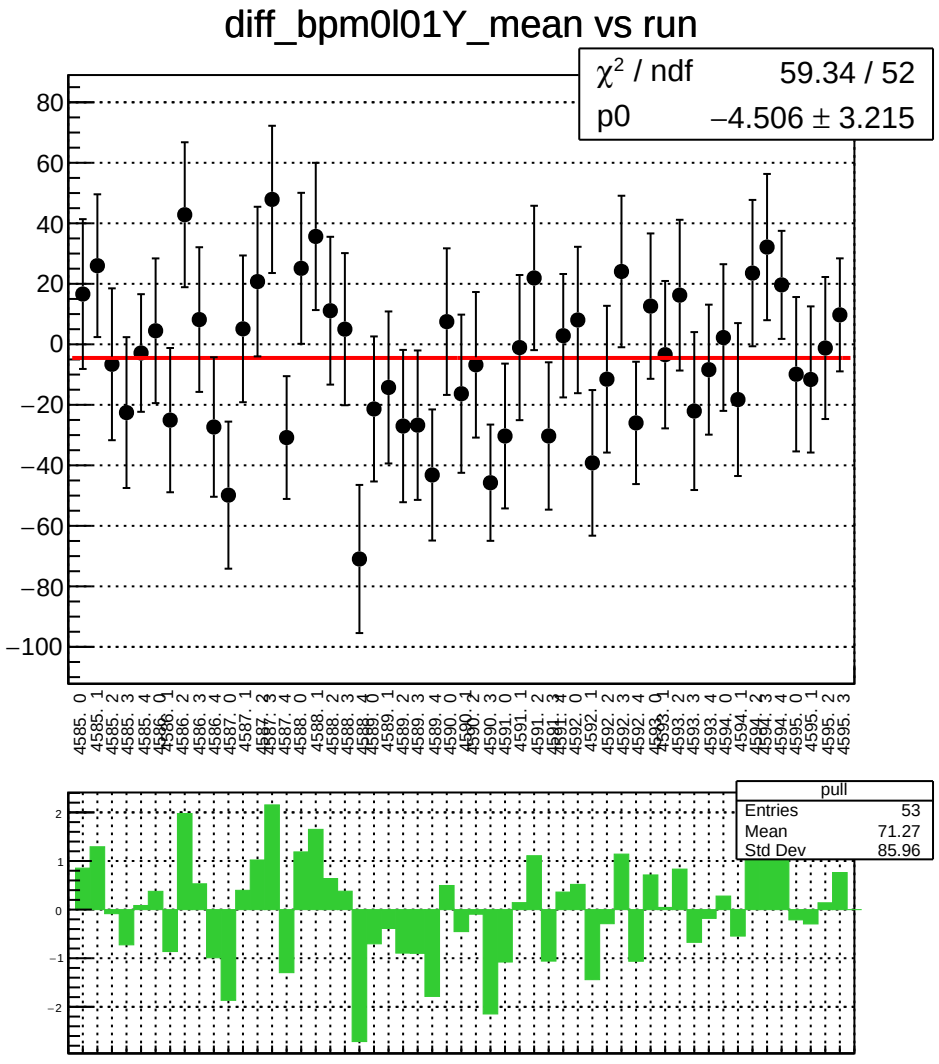

pull1D
Entries 53
Mean −0.001293
Std Dev 1.135

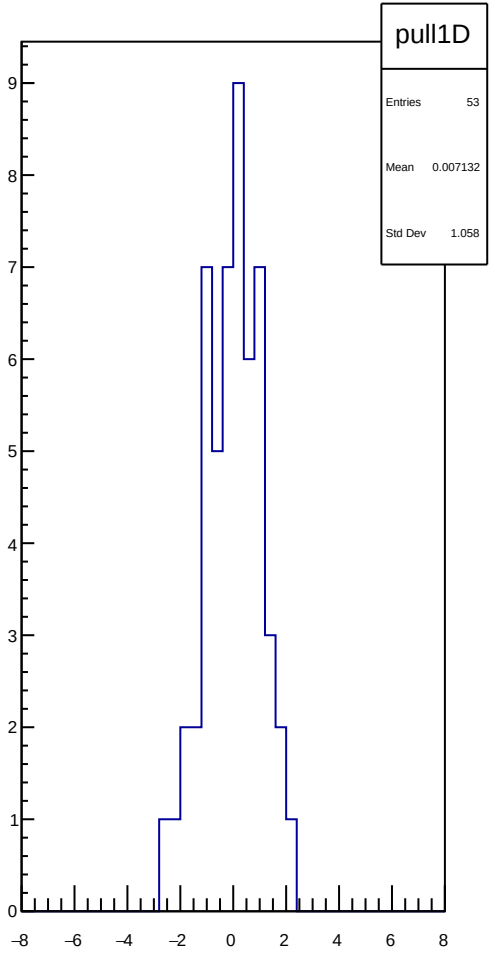

diff_bpm16Y_rms vs run
χ² / ndf 3492 / 52
p0 1930 ± 1.888
2200
2100
2000
1900
1800
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

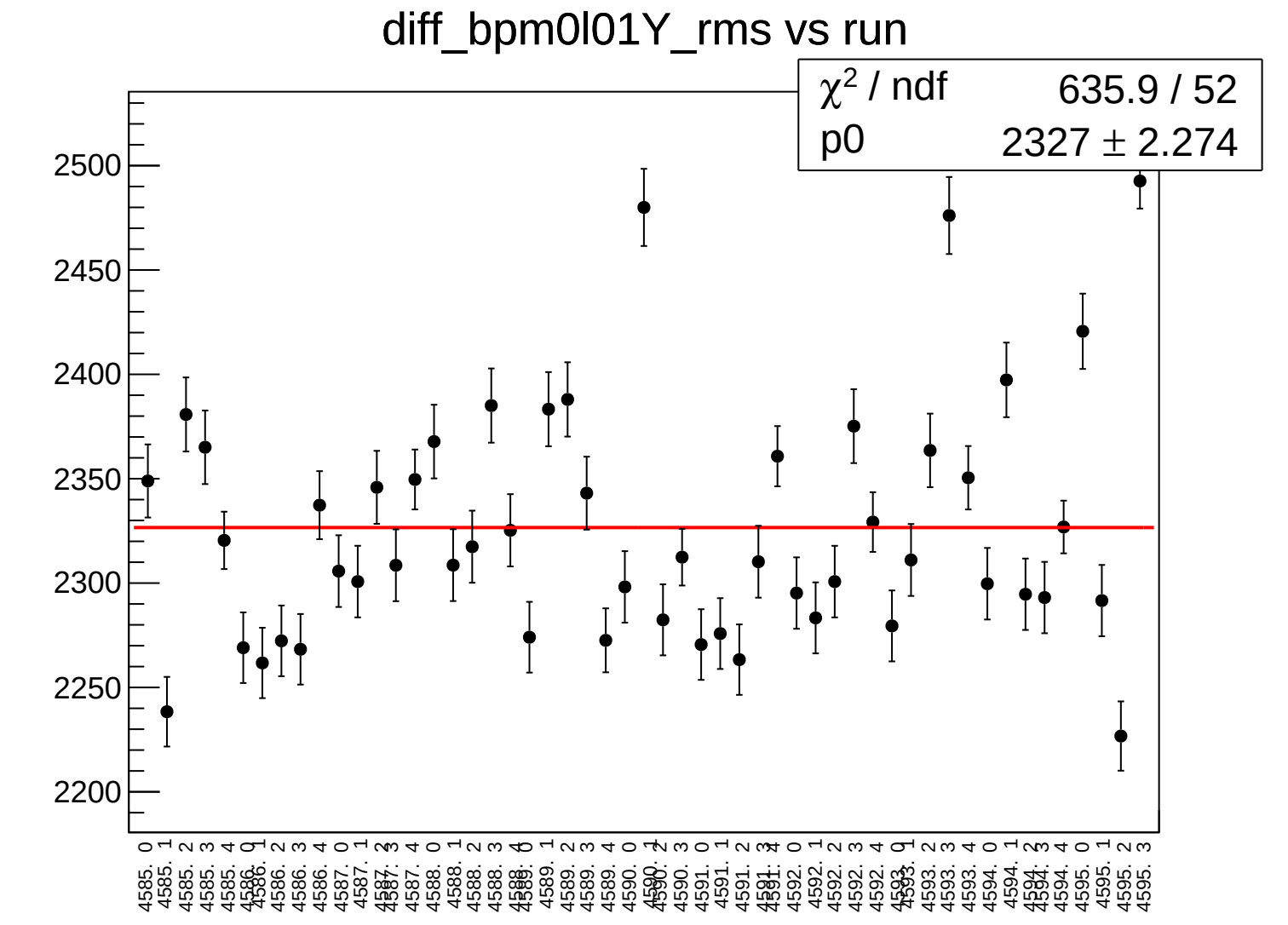

diff_bpm0l01X_mean vs run
χ² / ndf 51.6 / 52
p0 9.123 ± 12.8
pull
Entries 53
Mean 626.8
Std Dev 598.8

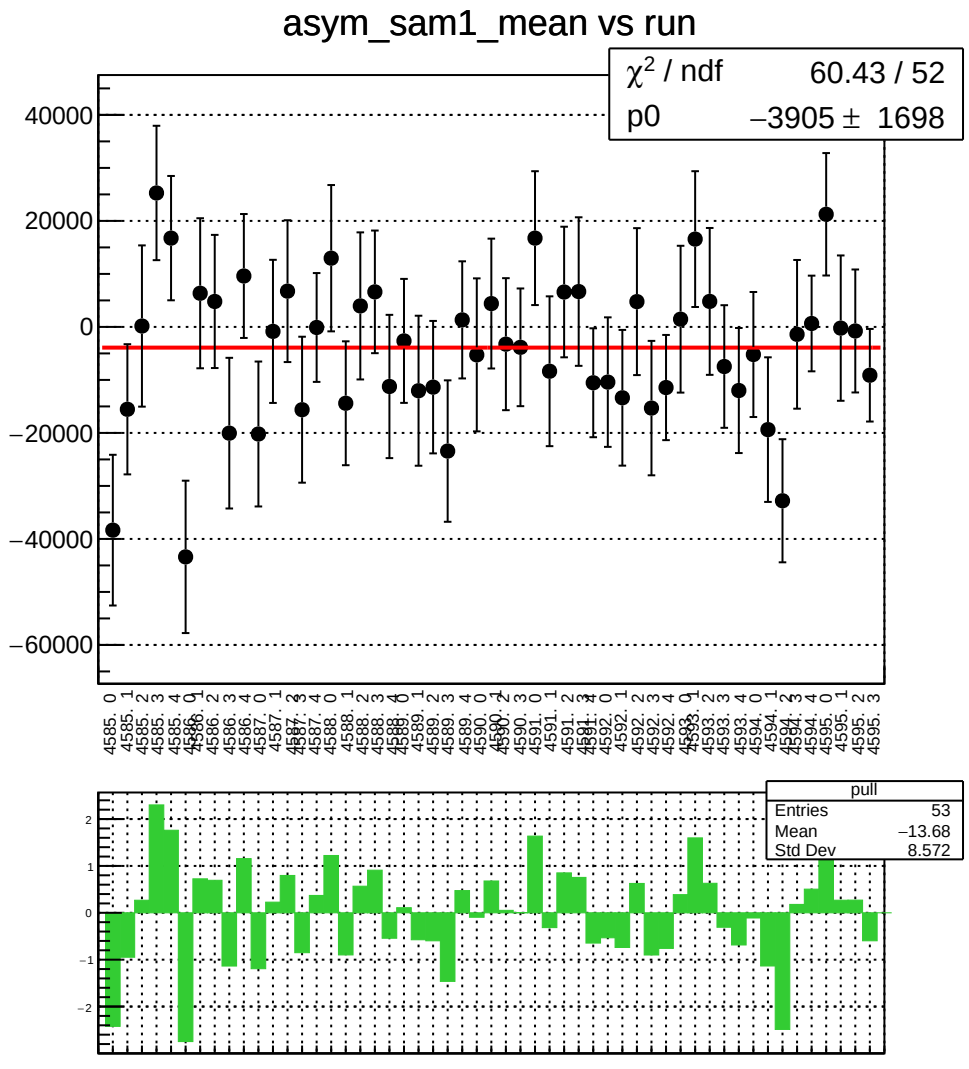

pull1D
Entries 53
Mean 0.003814
Std Dev 0.9867

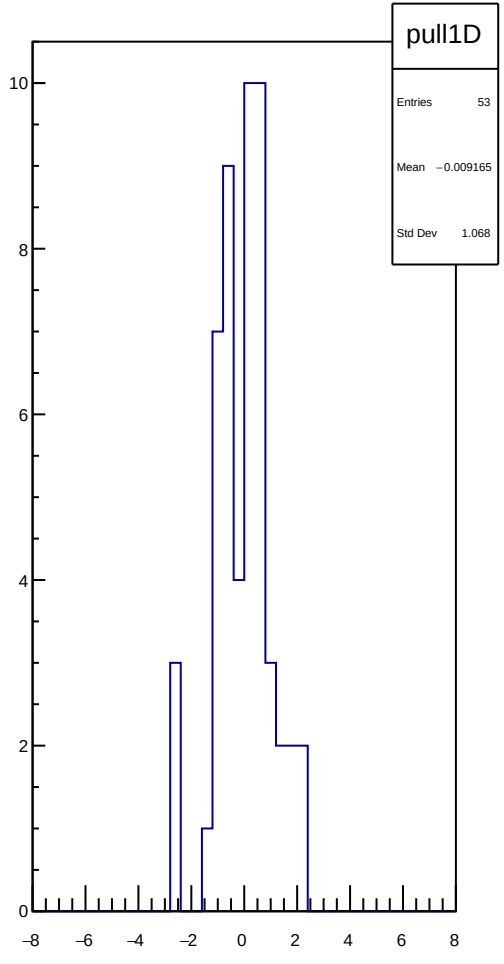

diff_bpm0l01X_rms vs run
χ² / ndf 91.9 / 52
p0 9262 ± 9.049
9700
9600
9500
9400
9300
9200
9100
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

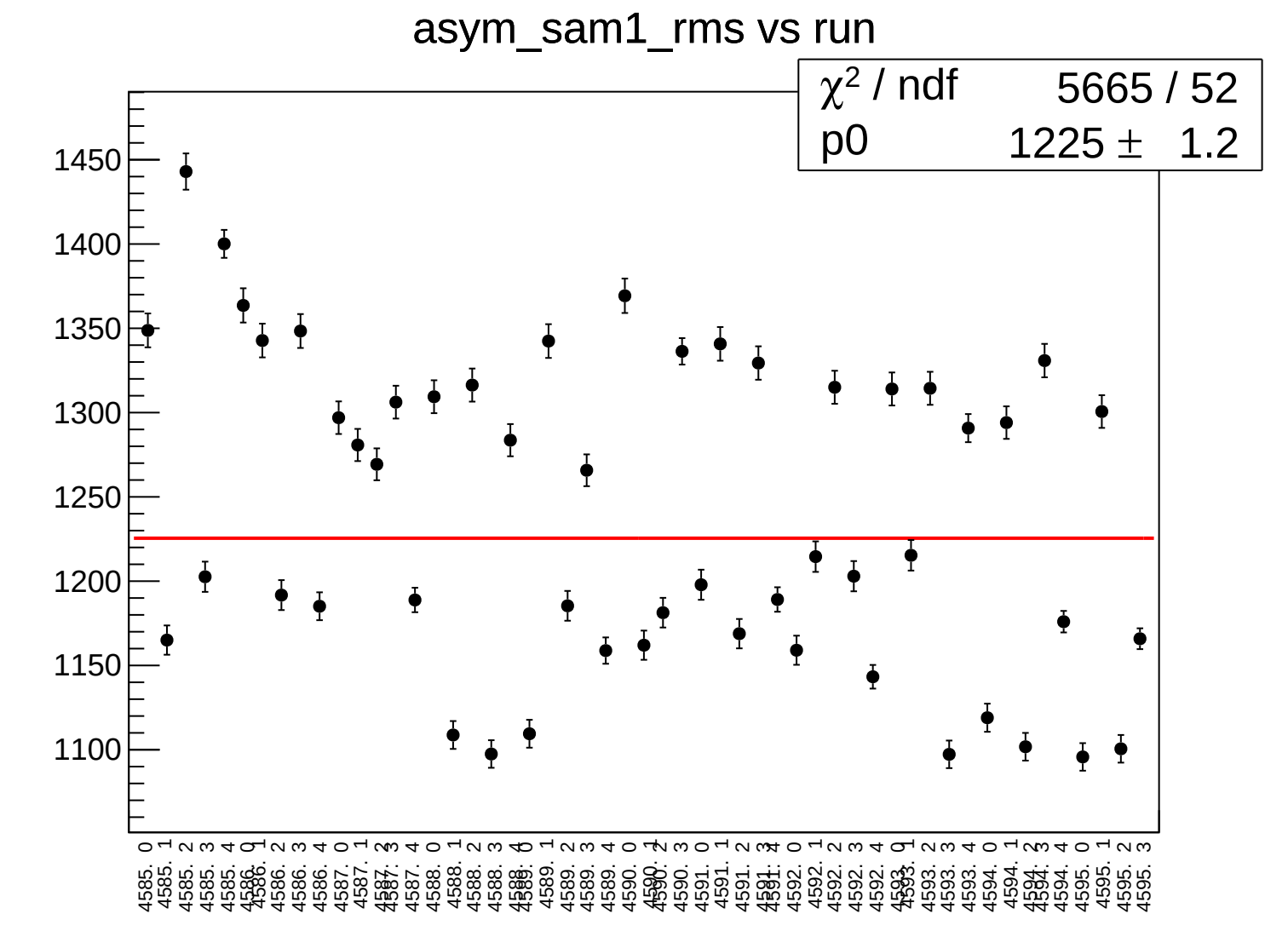

diff_bpm0l01Y_mean vs run
χ² / ndf 59.34 / 52
p0 −4.506 ± 3.215
pull
Entries 53
Mean 71.27
Std Dev 85.96

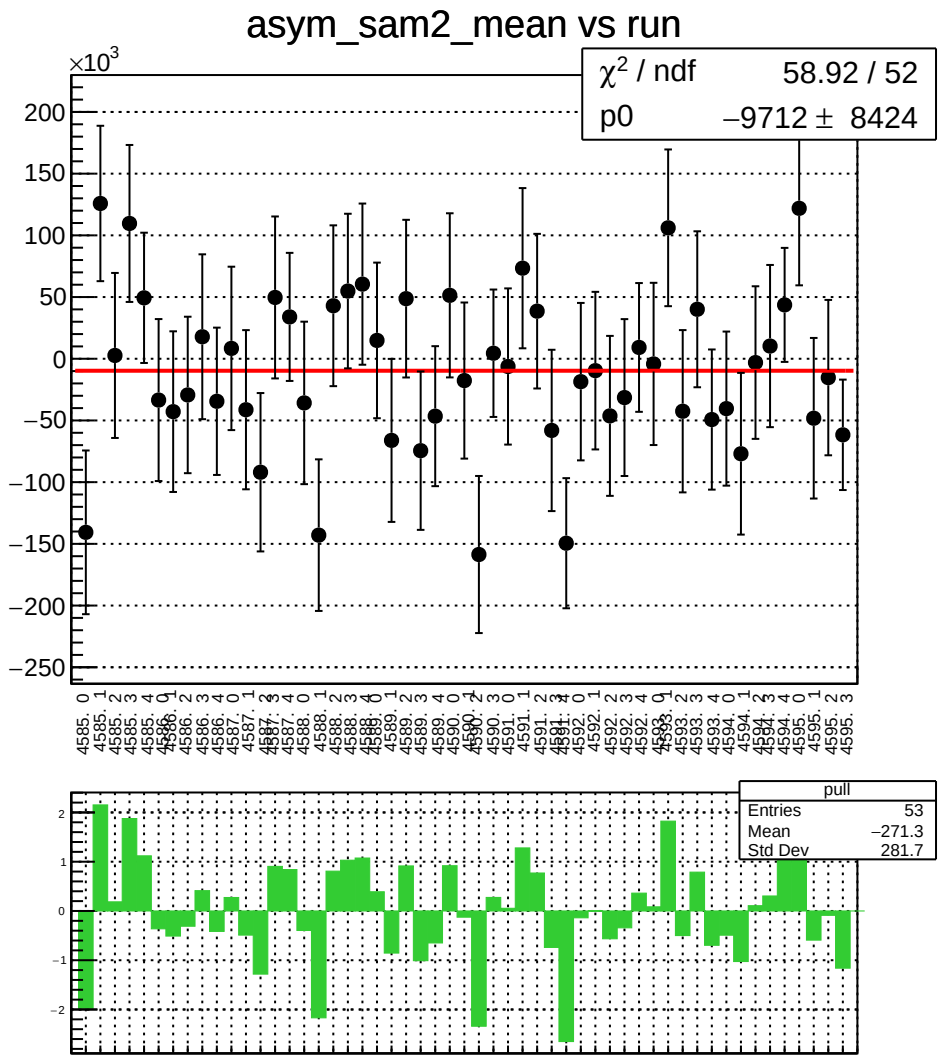

pull1D
Entries 53
Mean 0.007132
Std Dev 1.058

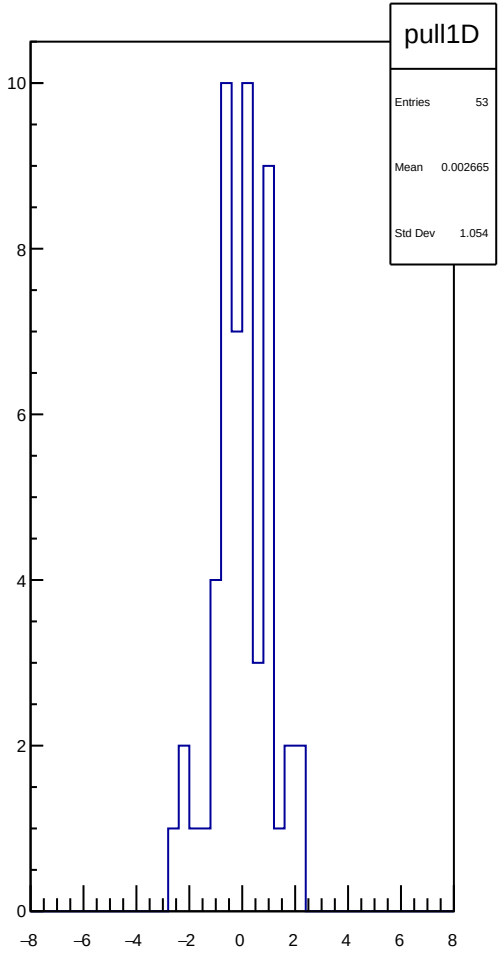

diff_bpm0l01Y_rms vs run
χ² / ndf 635.9 / 52
p0 2327 ± 2.274
2500
2450
2400
2350
2300
2250
2200

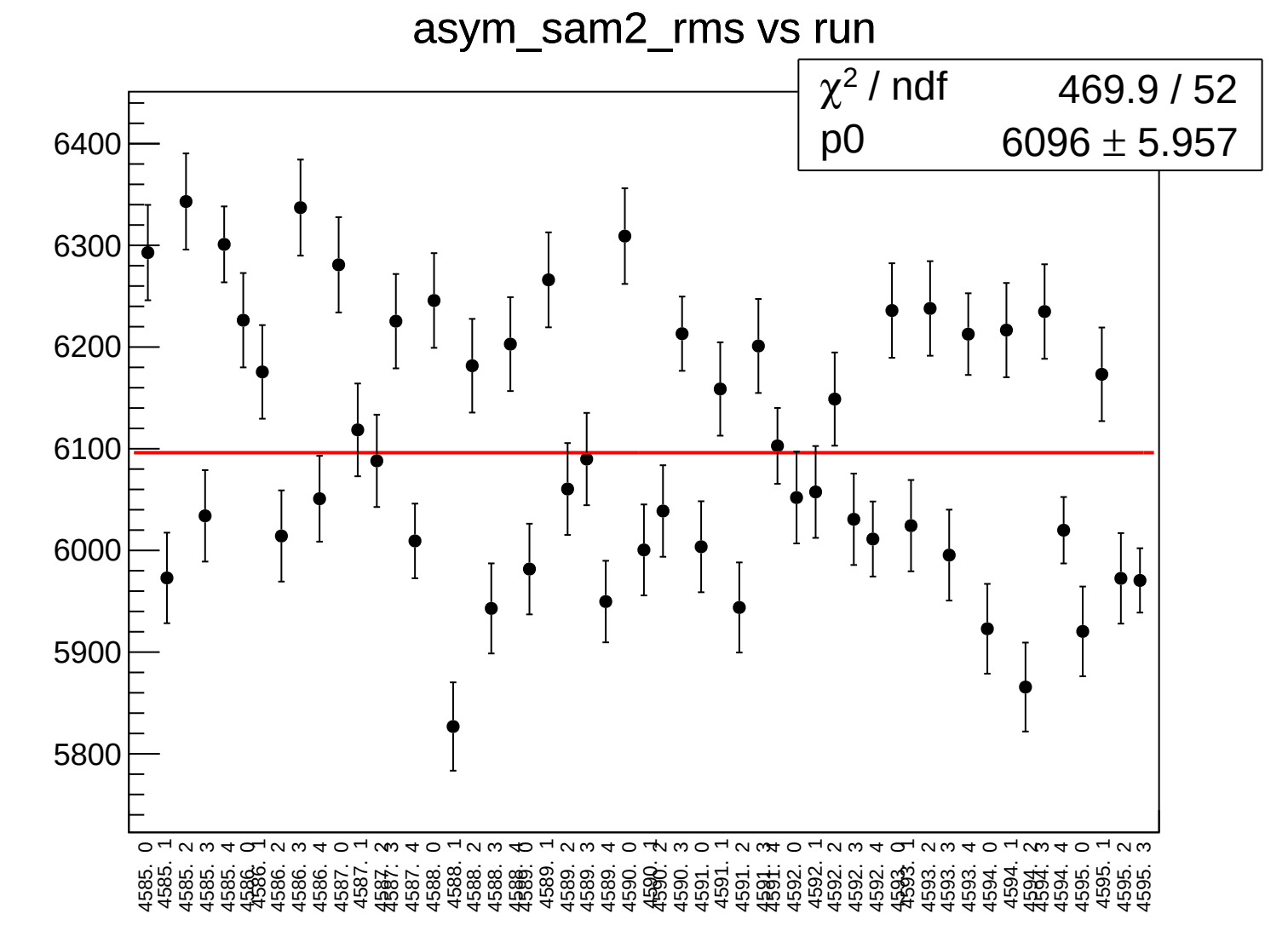

asym_sam1_mean vs run
χ² / ndf 60.43 / 52
p0 −3905 ± 1698
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −13.68
Std Dev 8.572
2
1
0
−1
−2

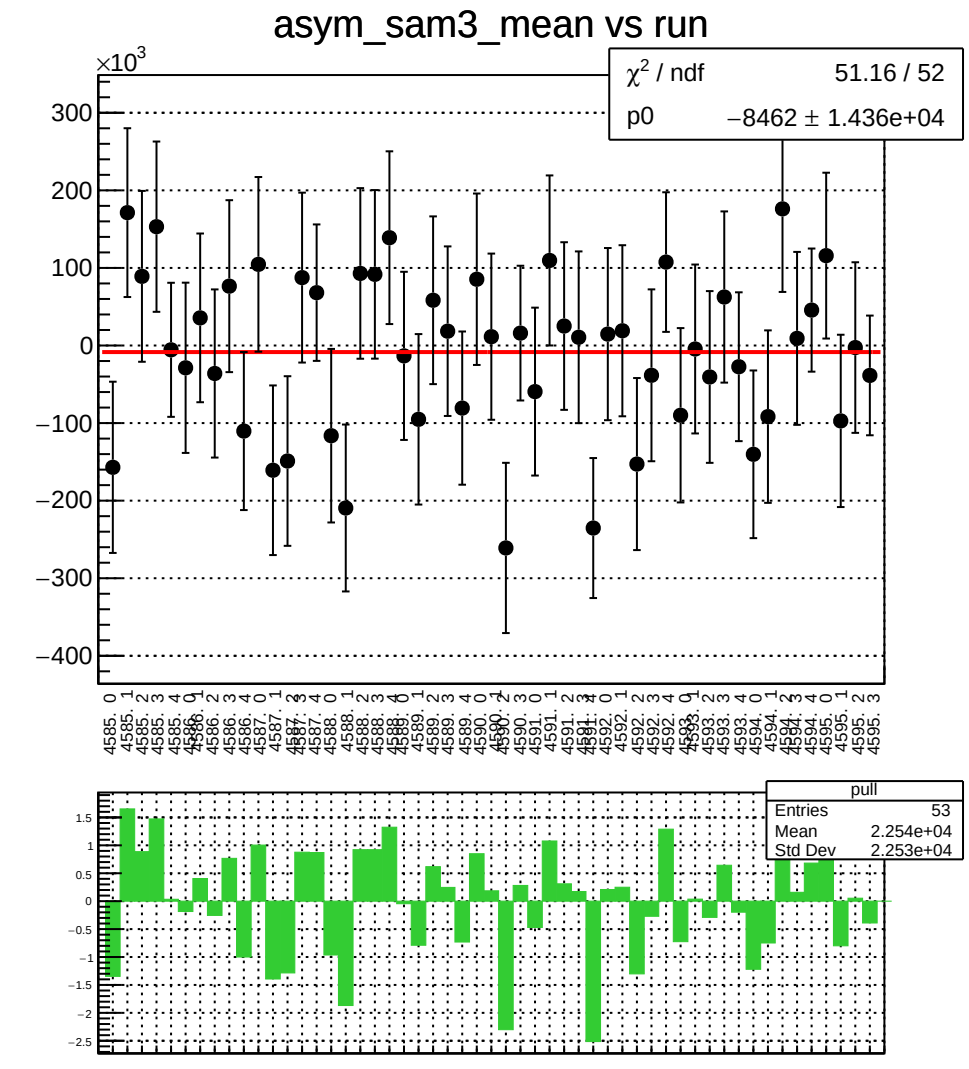

pull1D
Entries 53
Mean −0.009165
Std Dev 1.068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

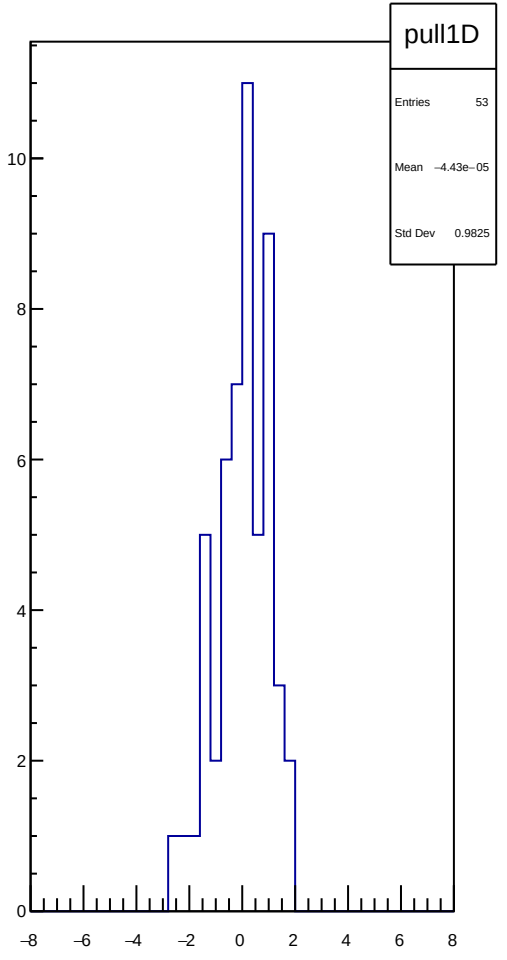

asym_sam1_rms vs run
χ² / ndf 5665 / 52
p0 1225 ± 1.2
1450
1400
1350
1300
1250
1200
1150
1100
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

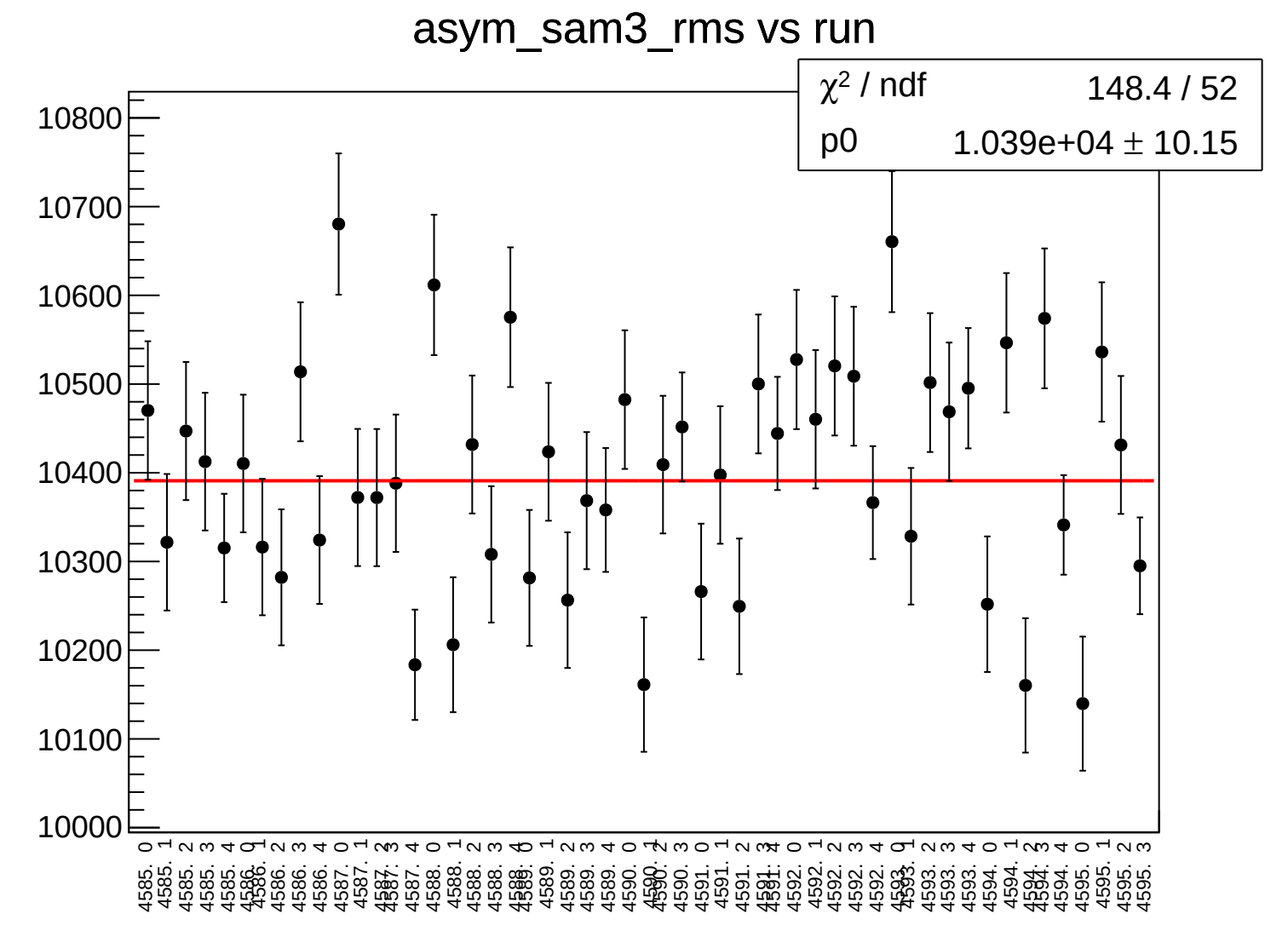

asym_sam2_mean vs run
×10^3
χ² / ndf 58.92 / 52
p0 −9712 ± 8424
pull
Entries 53
Mean −271.3
Std Dev 281.7

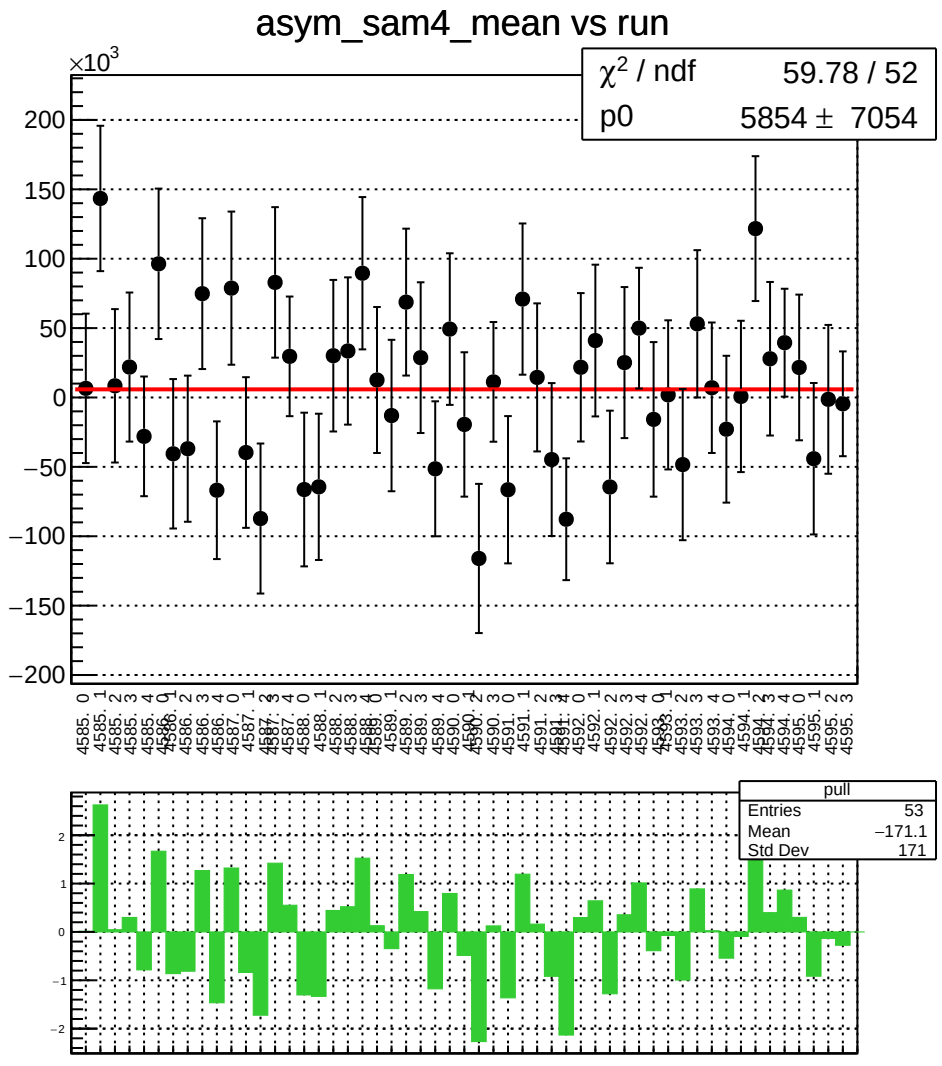

pull1D
Entries 53
Mean 0.002665
Std Dev 1.054

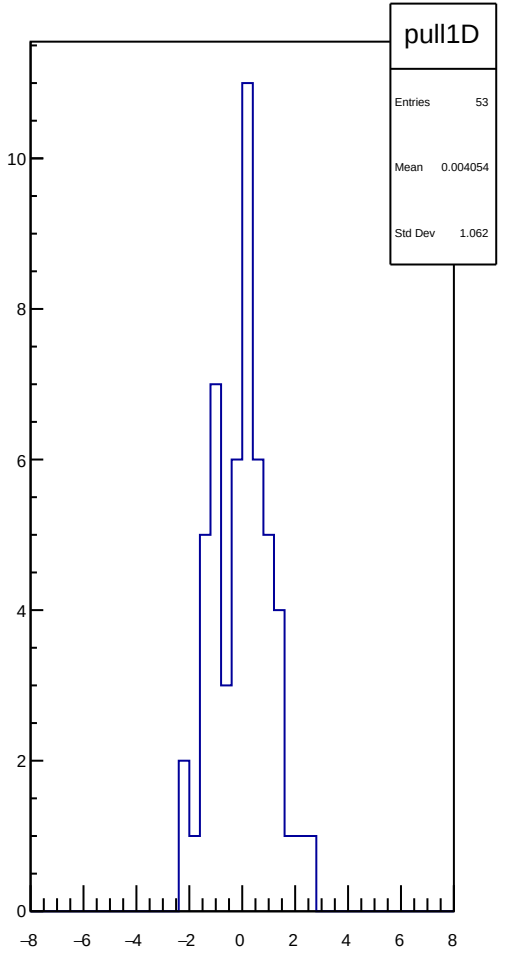

asym_sam2_rms vs run
χ^2 / ndf 469.9 / 52
p0 6096 ± 5.957
6400
6300
6200
6100
6000
5900
5800
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

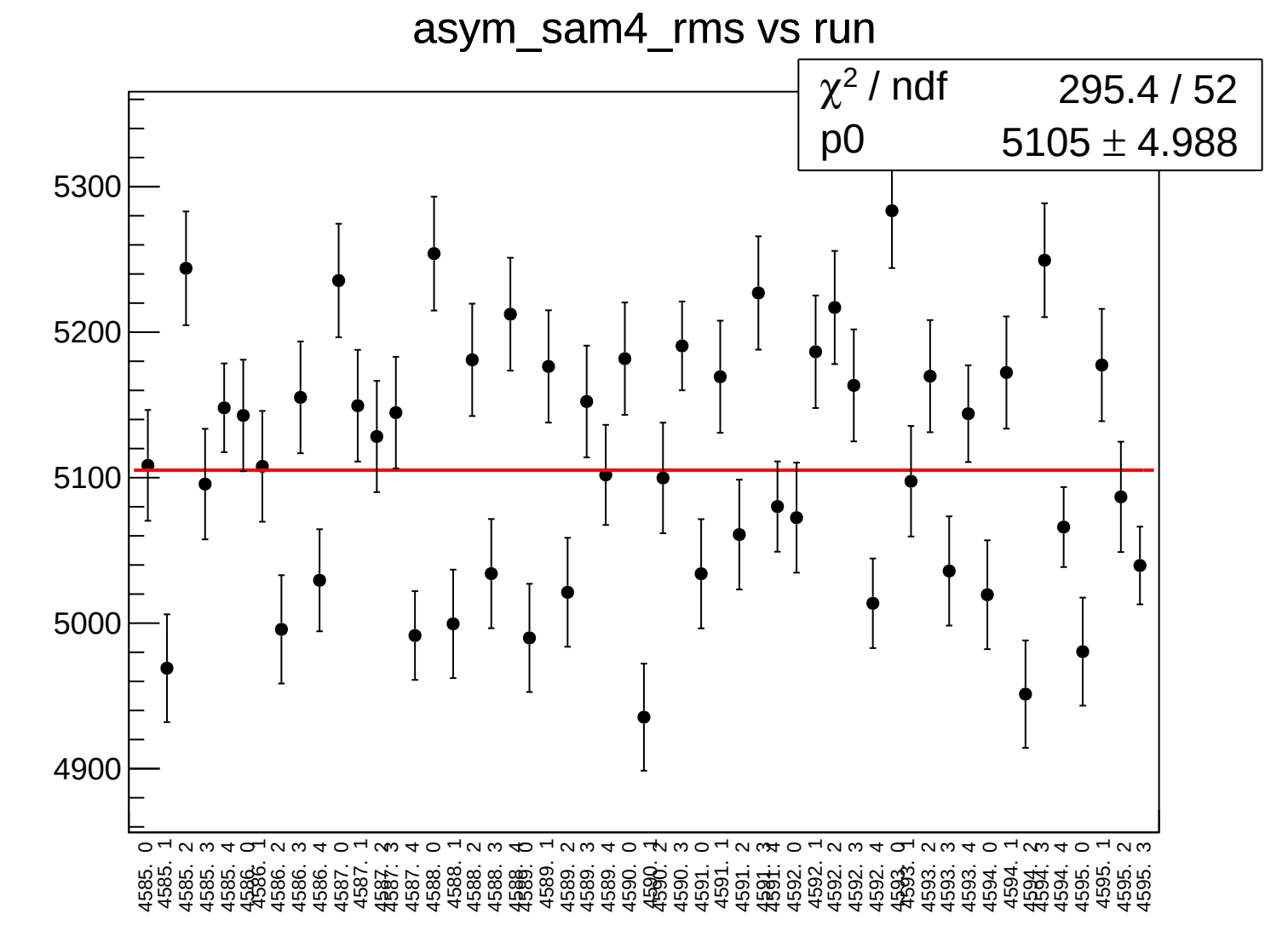

asym_sam3_mean vs run
×10^3
χ² / ndf 51.16 / 52
p0 −8462 ± 1.436e+04
pull
Entries 53
Mean 2.254e+04
Std Dev 2.253e+04


pull1D
Entries 53
Mean −4.43e−05
Std Dev 0.9825


asym_sam3_rms vs run
χ² / ndf 148.4 / 52
p0 1.039e+04 ± 10.15
10800
10700
10600
10500
10400
10300
10200
10100
10000
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_sam4_mean vs run
×10^3
χ² / ndf 59.78 / 52
p0 5854 ± 7054
pull
Entries 53
Mean −171.1
Std Dev 171


pull1D
Entries 53
Mean 0.004054
Std Dev 1.062


asym_sam4_rms vs run
χ^2 / ndf 295.4 / 52
p0 5105 ± 4.988
5300
5200
5100
5000
4900
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
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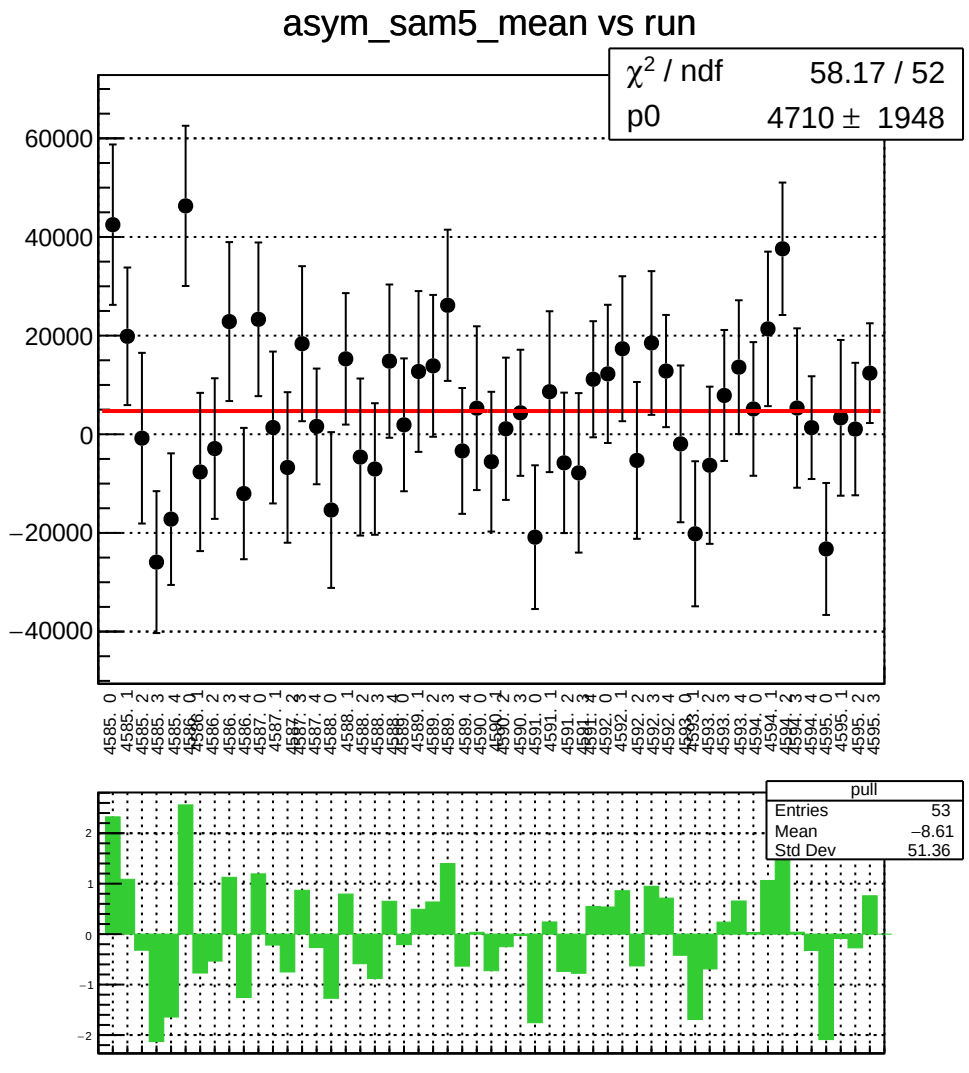
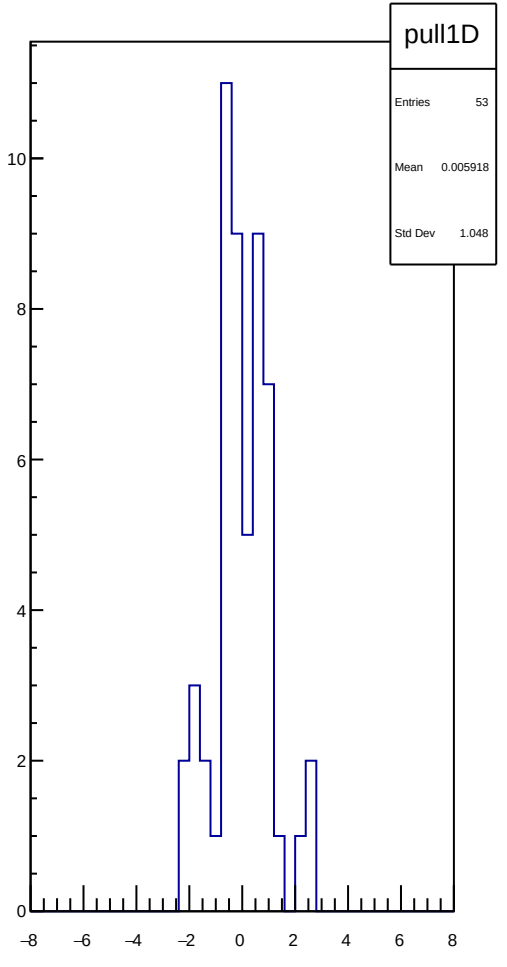
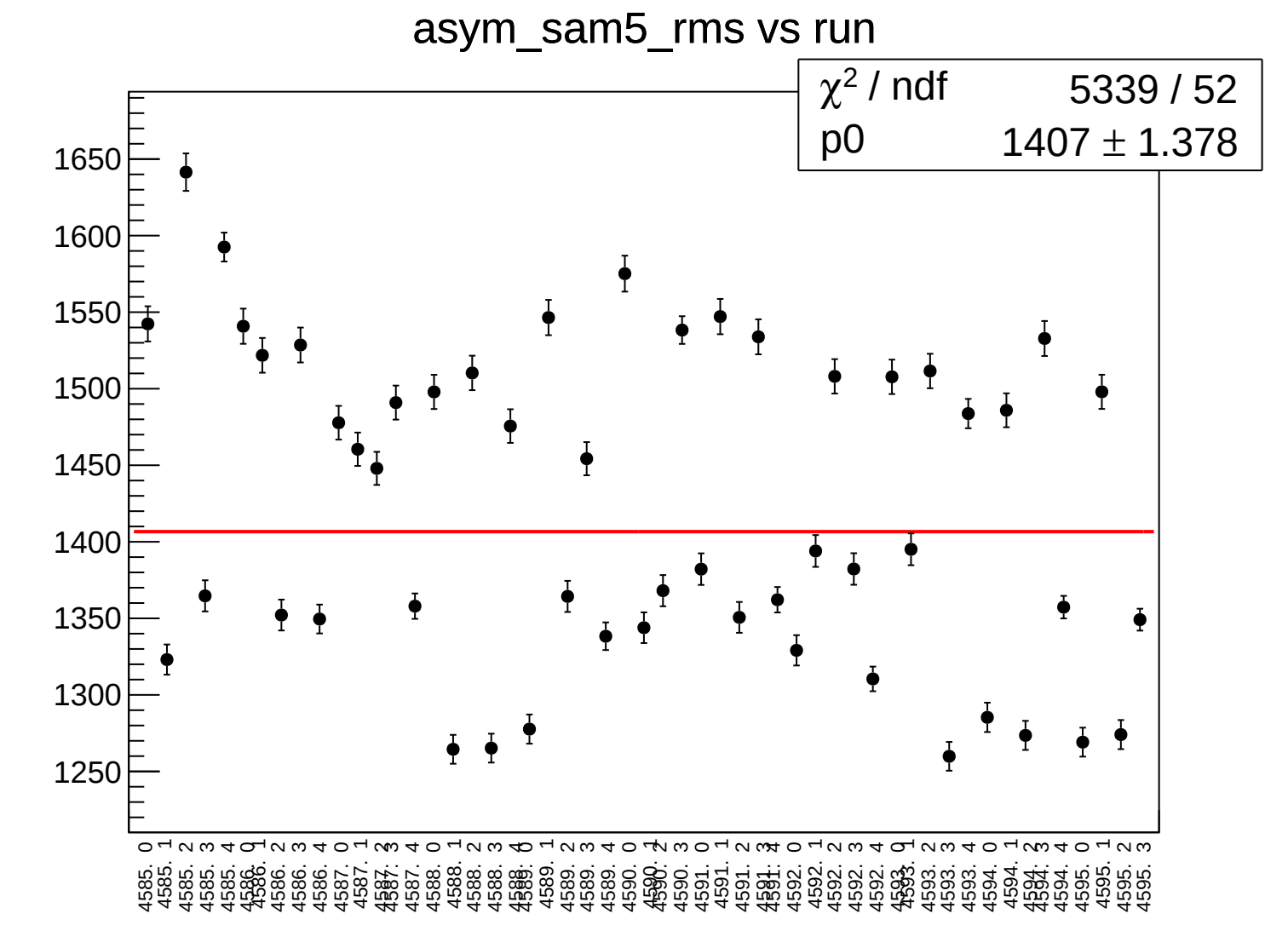
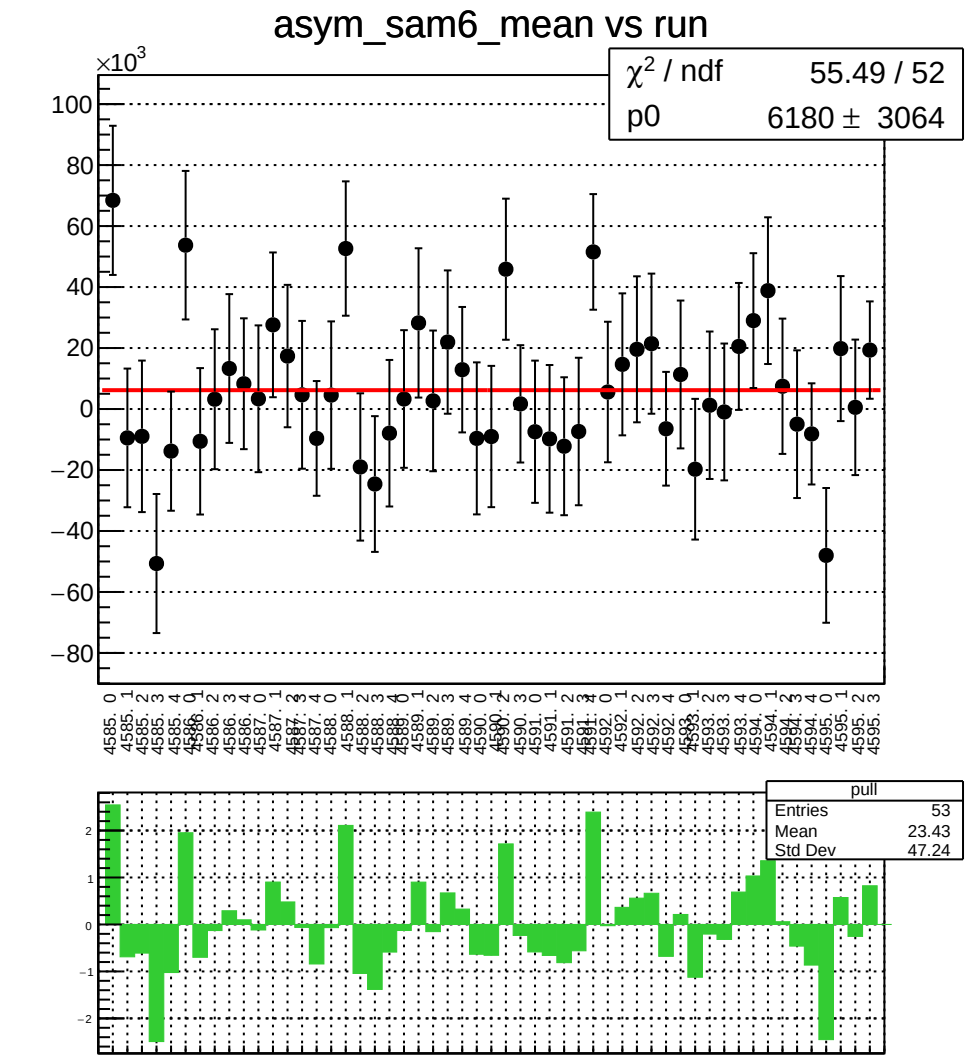
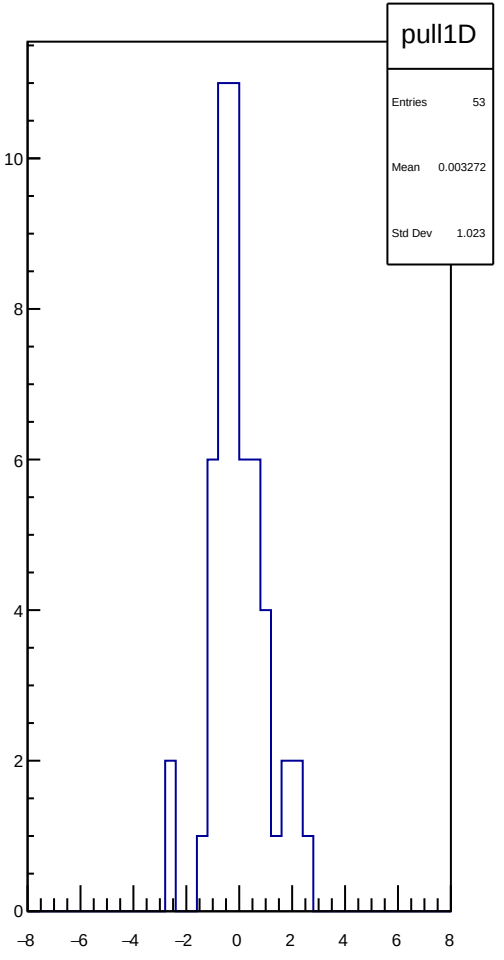
4595. 2
4595. 3

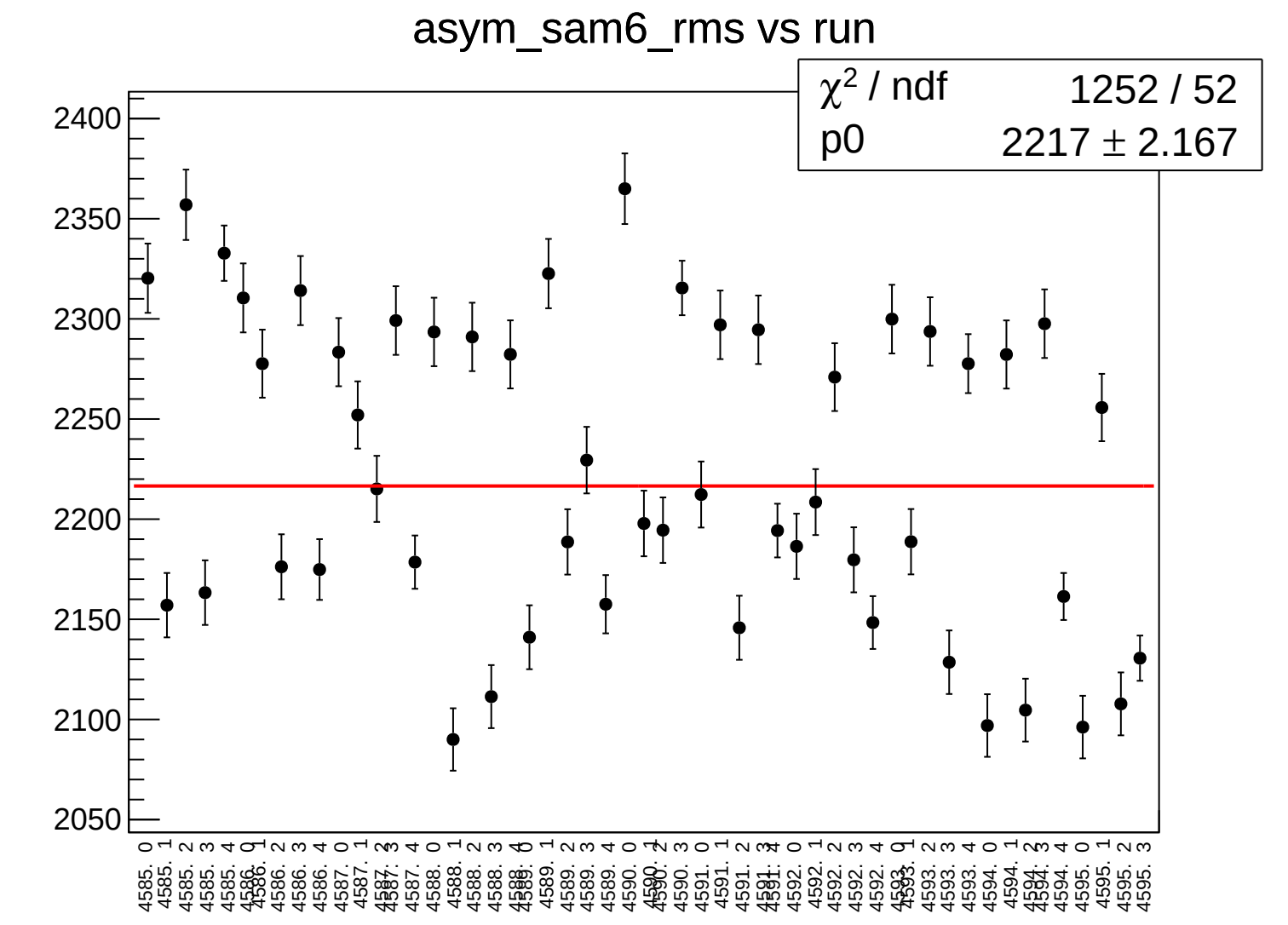

asym_sam5_mean vs run
χ² / ndf 58.17 / 52
p0 4710 ± 1948
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −8.61
Std Dev 51.36
2
1
0
−1
−2

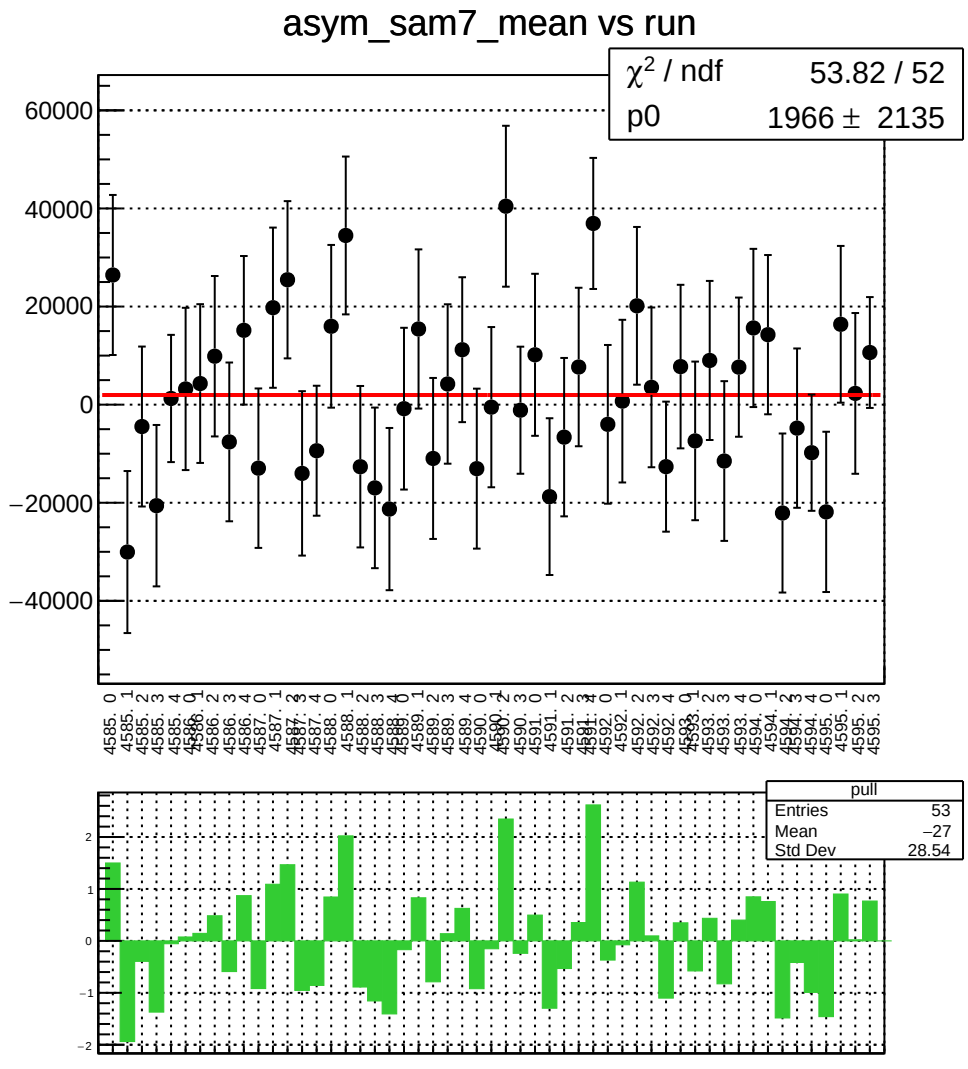

pull1D
Entries 53
Mean 0.005918
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

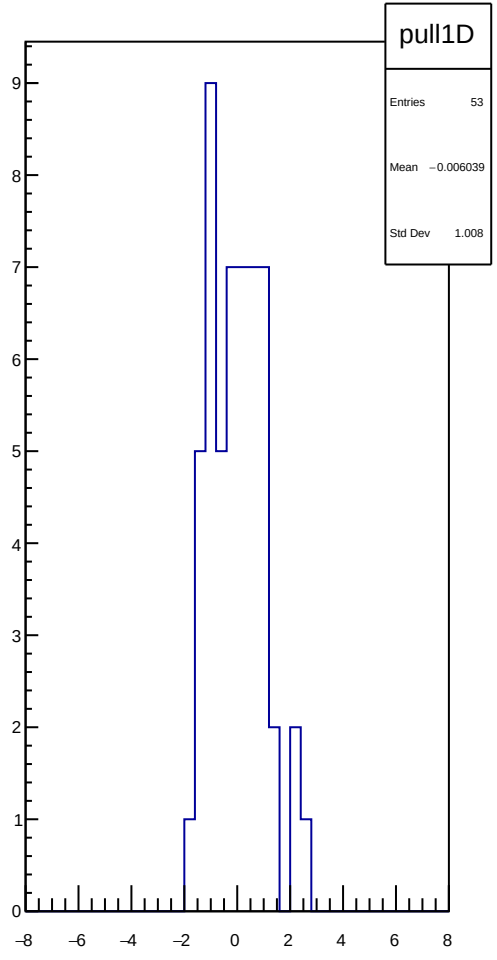

asym_sam5_rms vs run
χ² / ndf 5339 / 52
p0 1407 ± 1.378
1650
1600
1550
1500
1450
1400
1350
1300
1250
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

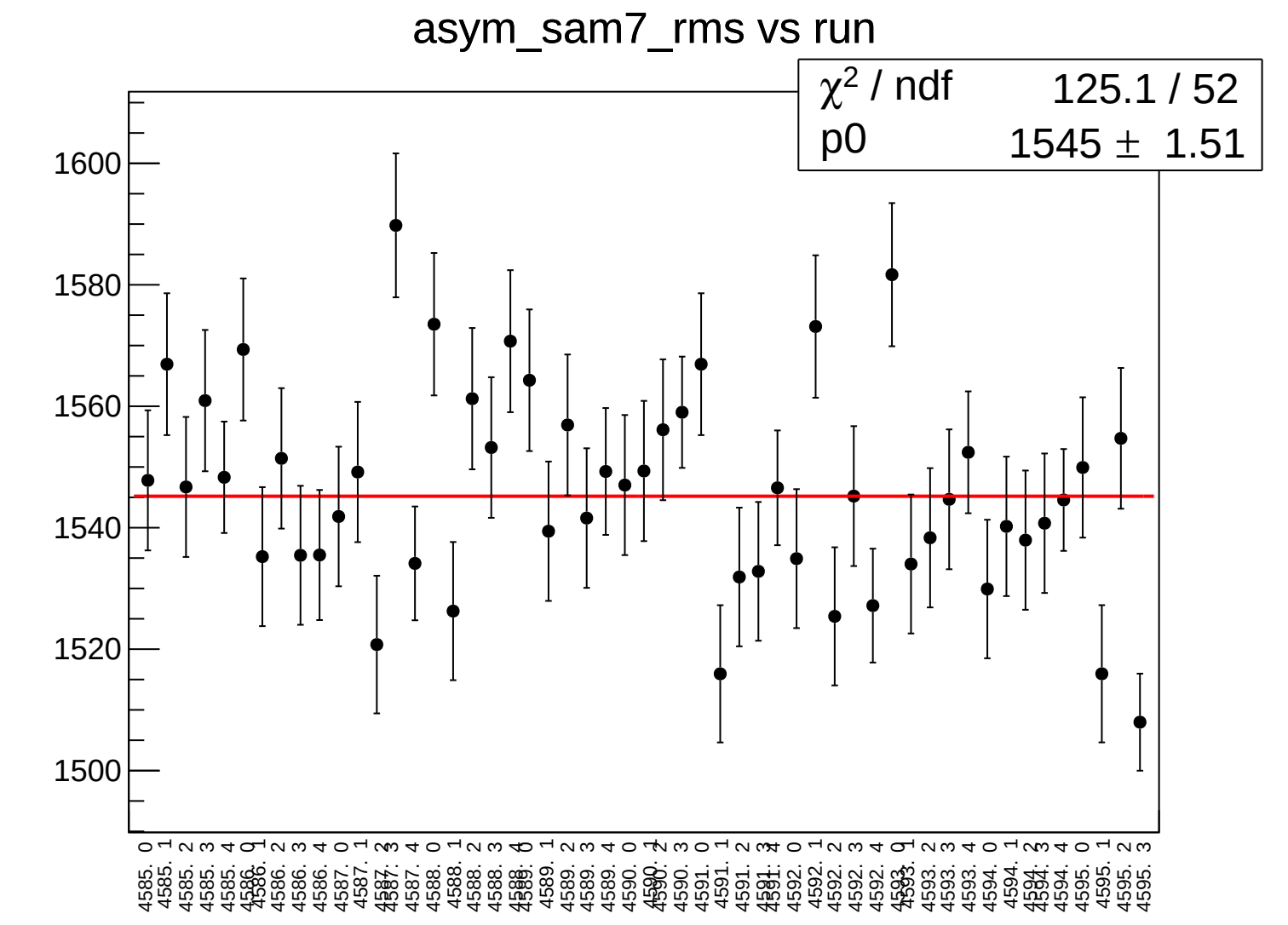

asym_sam6_mean vs run
×10^3
χ² / ndf 55.49 / 52
p0 6180 ± 3064
pull
Entries 53
Mean 23.43
Std Dev 47.24

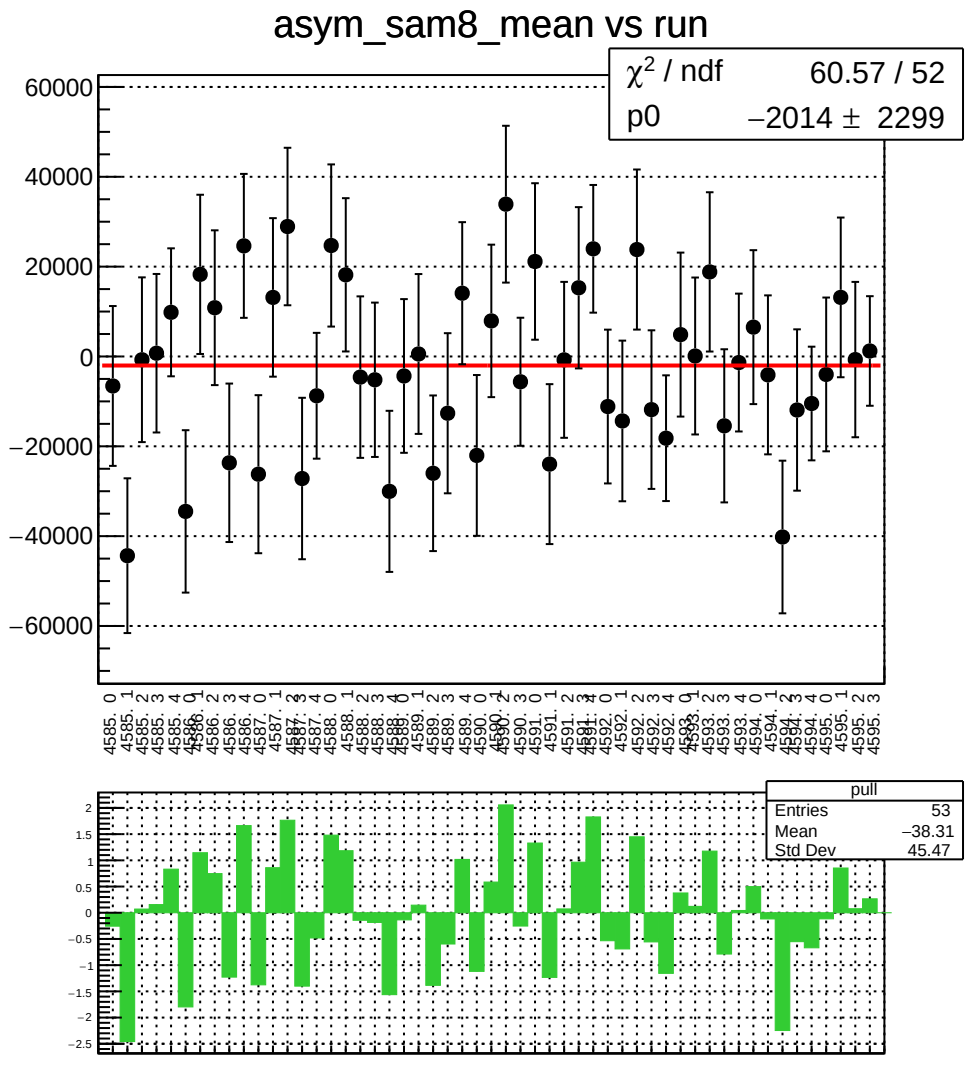

pull1D
Entries 53
Mean 0.003272
Std Dev 1.023

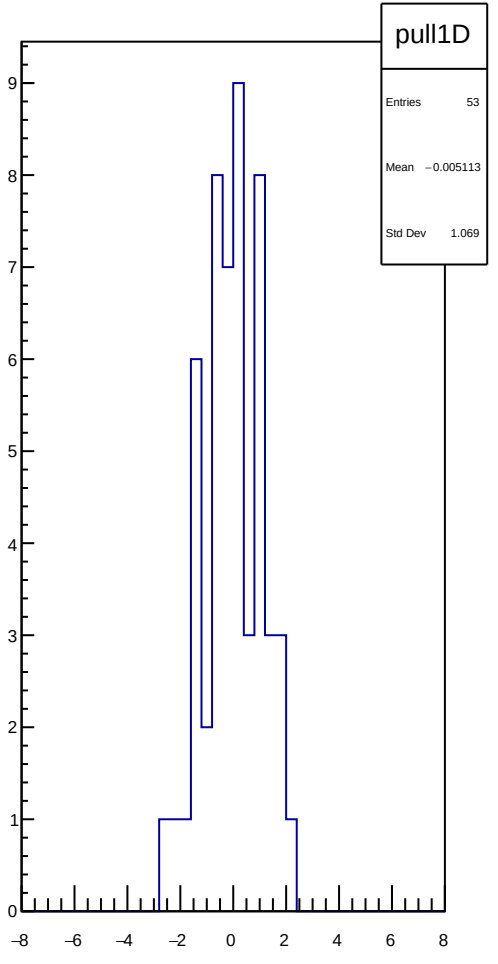

asym_sam6_rms vs run
χ² / ndf 1252 / 52
p0 2217 ± 2.167
2400
2350
2300
2250
2200
2150
2100
2050
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

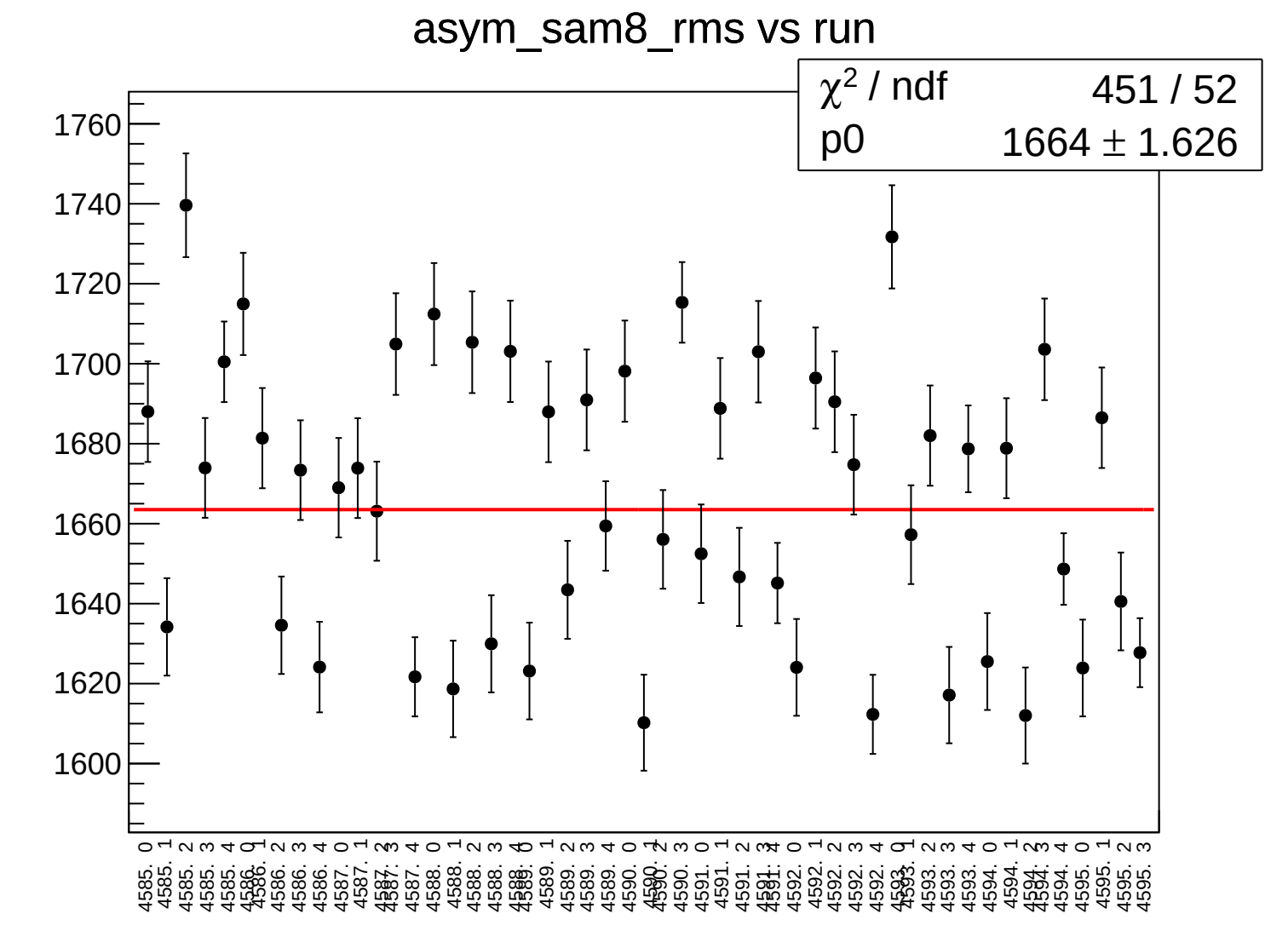

asym_sam7_mean vs run
χ² / ndf 53.82 / 52
p0 1966 ± 2135
pull
Entries 53
Mean −27
Std Dev 28.54

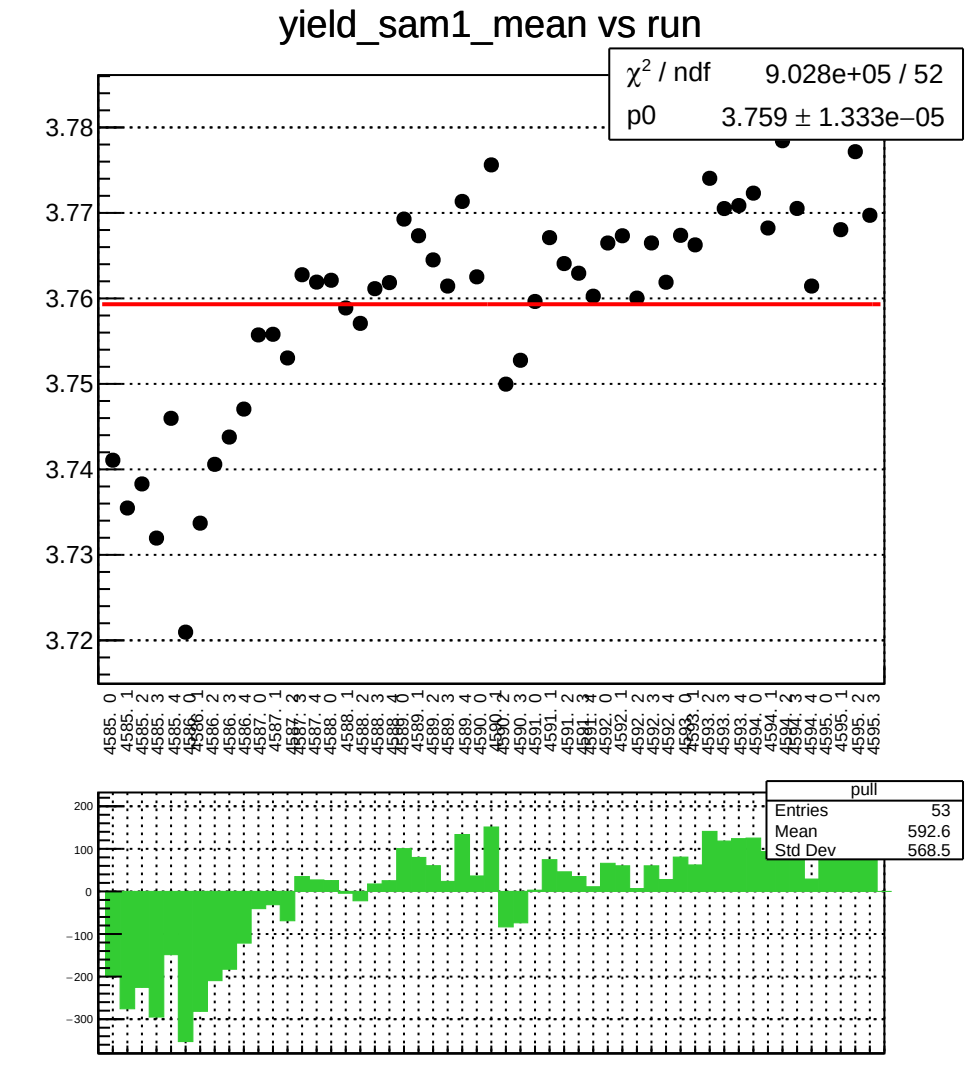

pull1D
Entries 53
Mean −0.006039
Std Dev 1.008

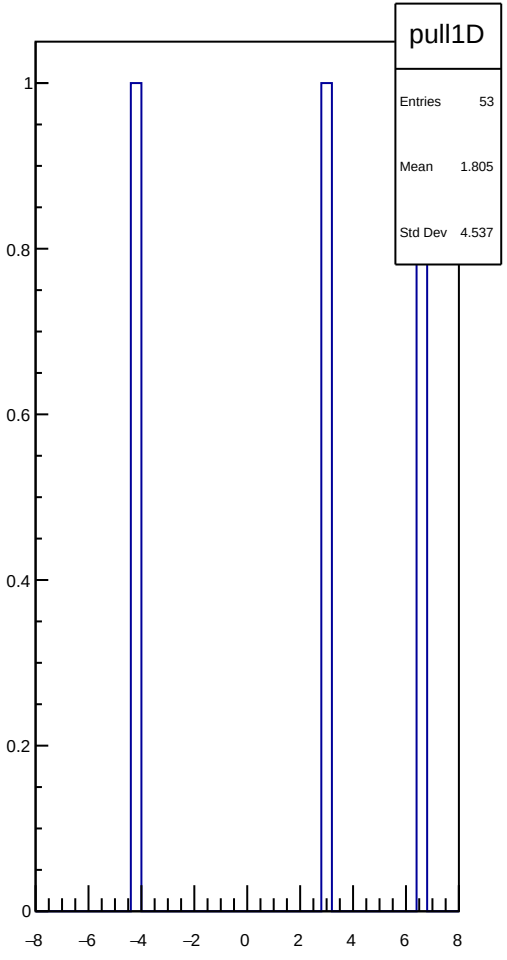

asym_sam7_rms vs run
χ² / ndf 125.1 / 52
p0 1545 ± 1.51
1600
1580
1560
1540
1520
1500
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

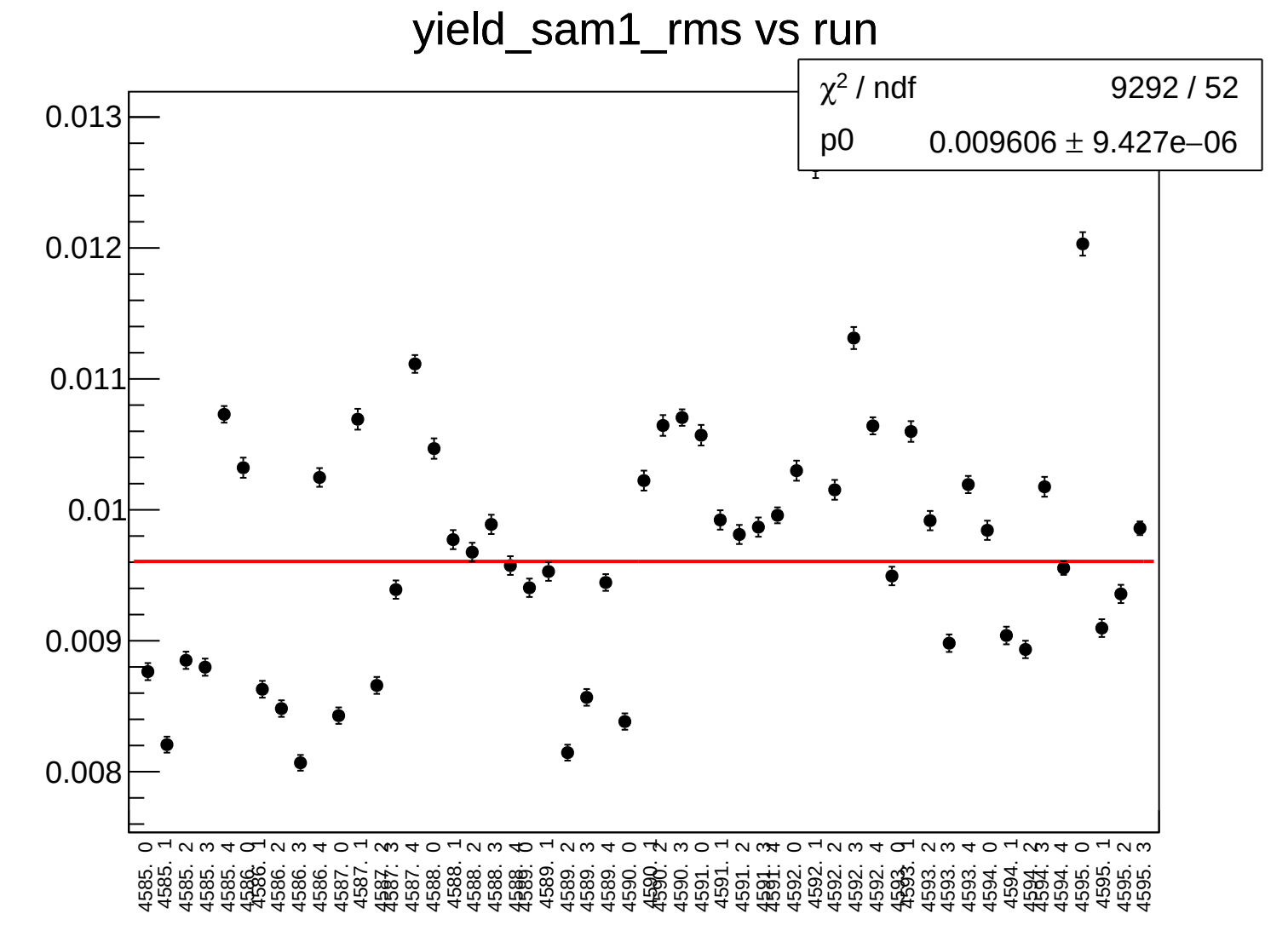

asym_sam8_mean vs run
χ² / ndf 60.57 / 52
p0 −2014 ± 2299
pull
Entries 53
Mean −38.31
Std Dev 45.47

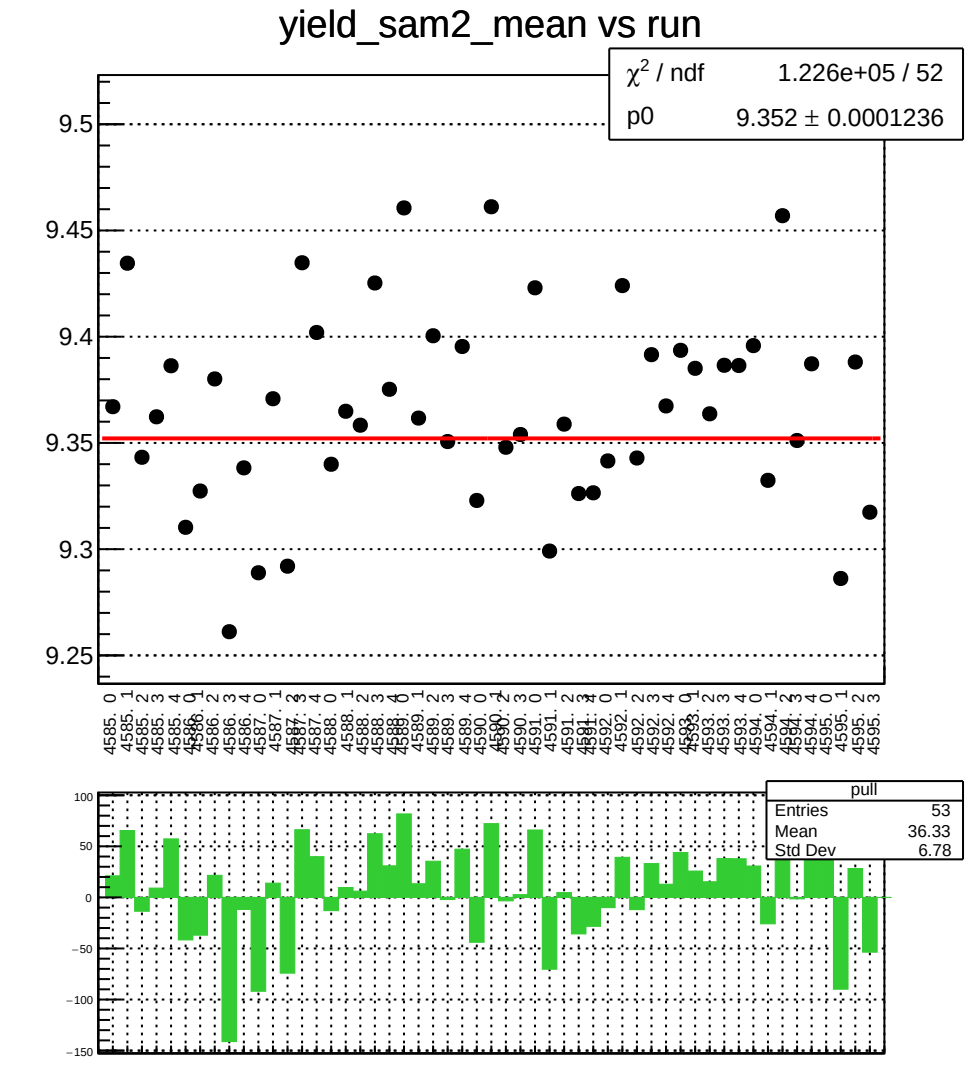

pull1D
Entries 53
Mean −0.005113
Std Dev 1.069

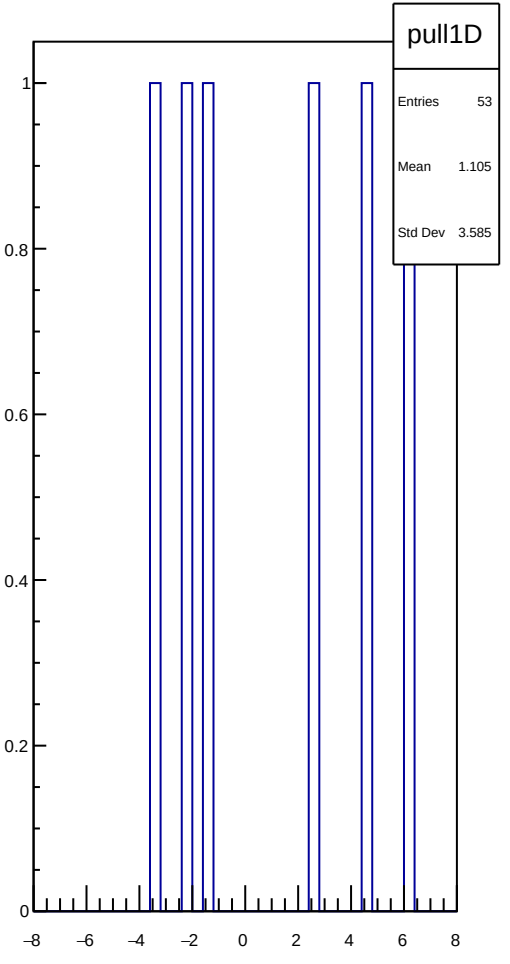

asym_sam8_rms vs run
χ² / ndf 451 / 52
p0 1664 ± 1.626
1760
1740
1720
1700
1680
1660
1640
1620
1600
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

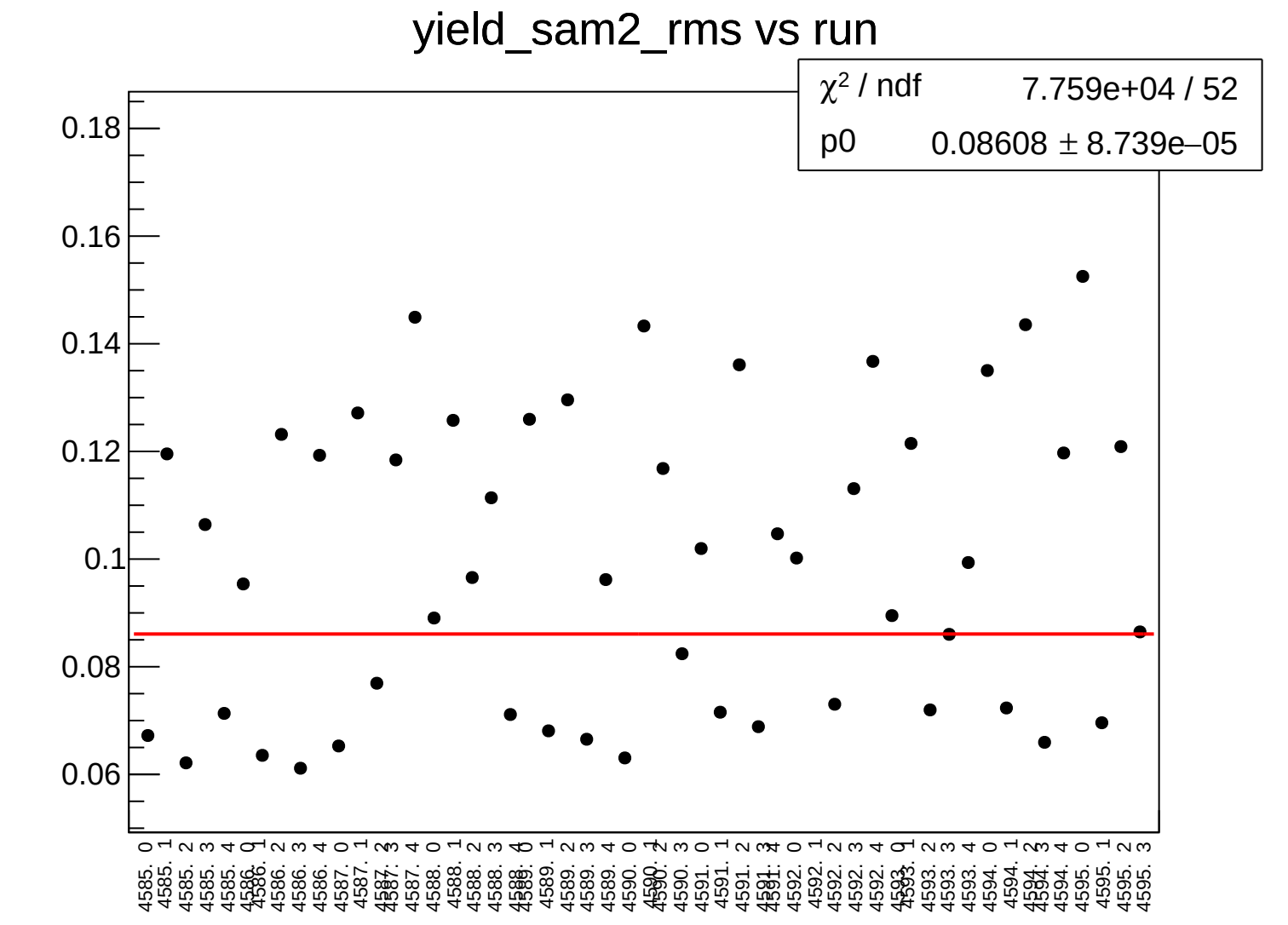

yield_sam1_mean vs run
χ² / ndf 9.028e+05 / 52
p0 3.759 ± 1.333e−05
3.78
3.77
3.76
3.75
3.74
3.73
3.72
pull
Entries 53
Mean 592.6
Std Dev 568.5
200
100
0
−100
−200
−300

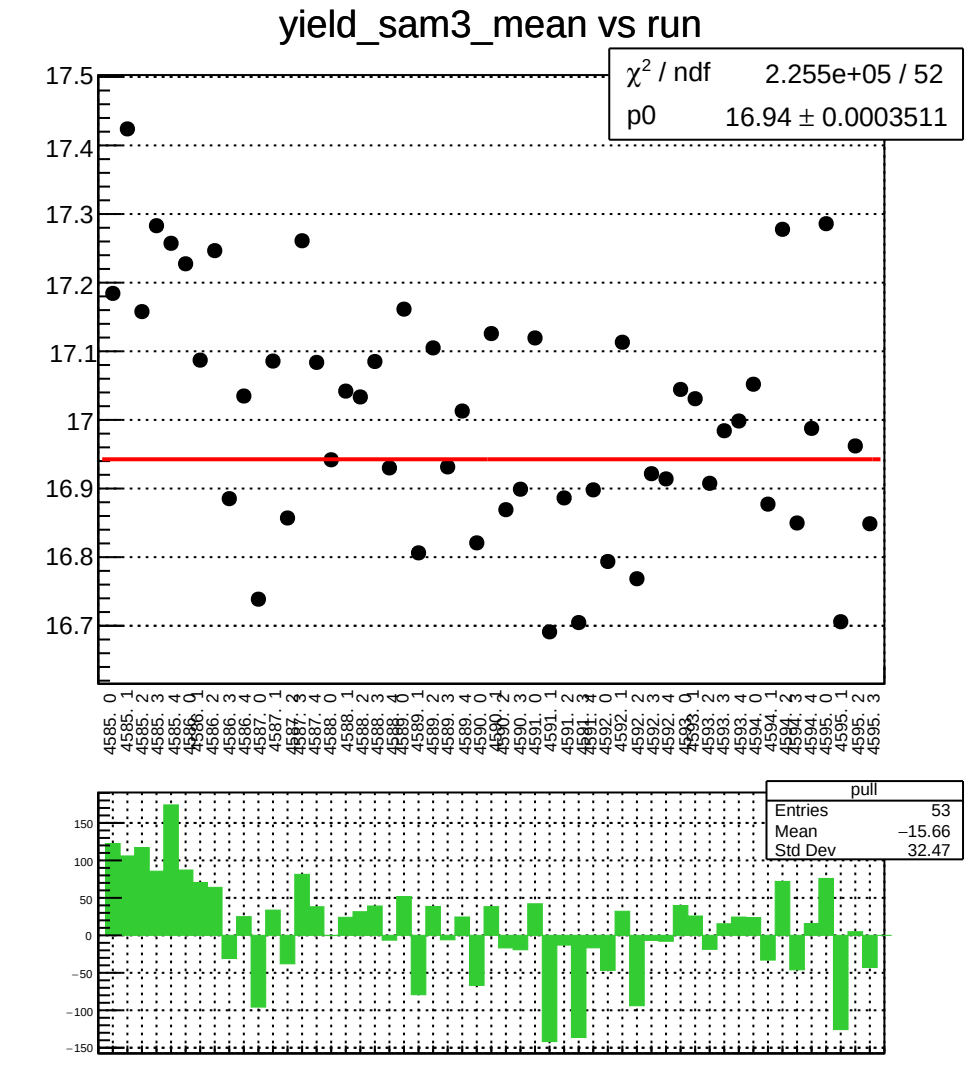

pull1D
Entries 53
Mean 1.805
Std Dev 4.537
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

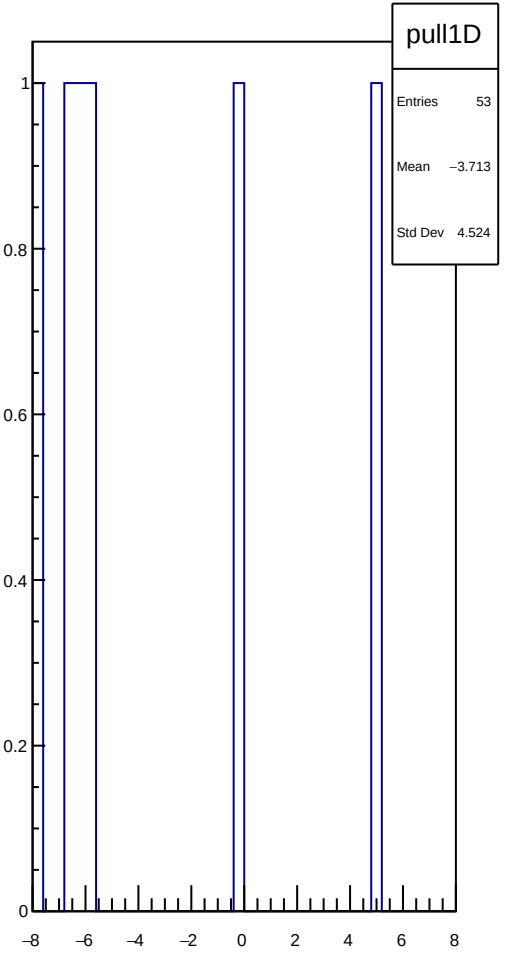

yield_sam1_rms vs run
χ² / ndf 9292 / 52
p0 0.009606 ± 9.427e−06
0.013
0.012
0.011
0.01
0.009
0.008
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

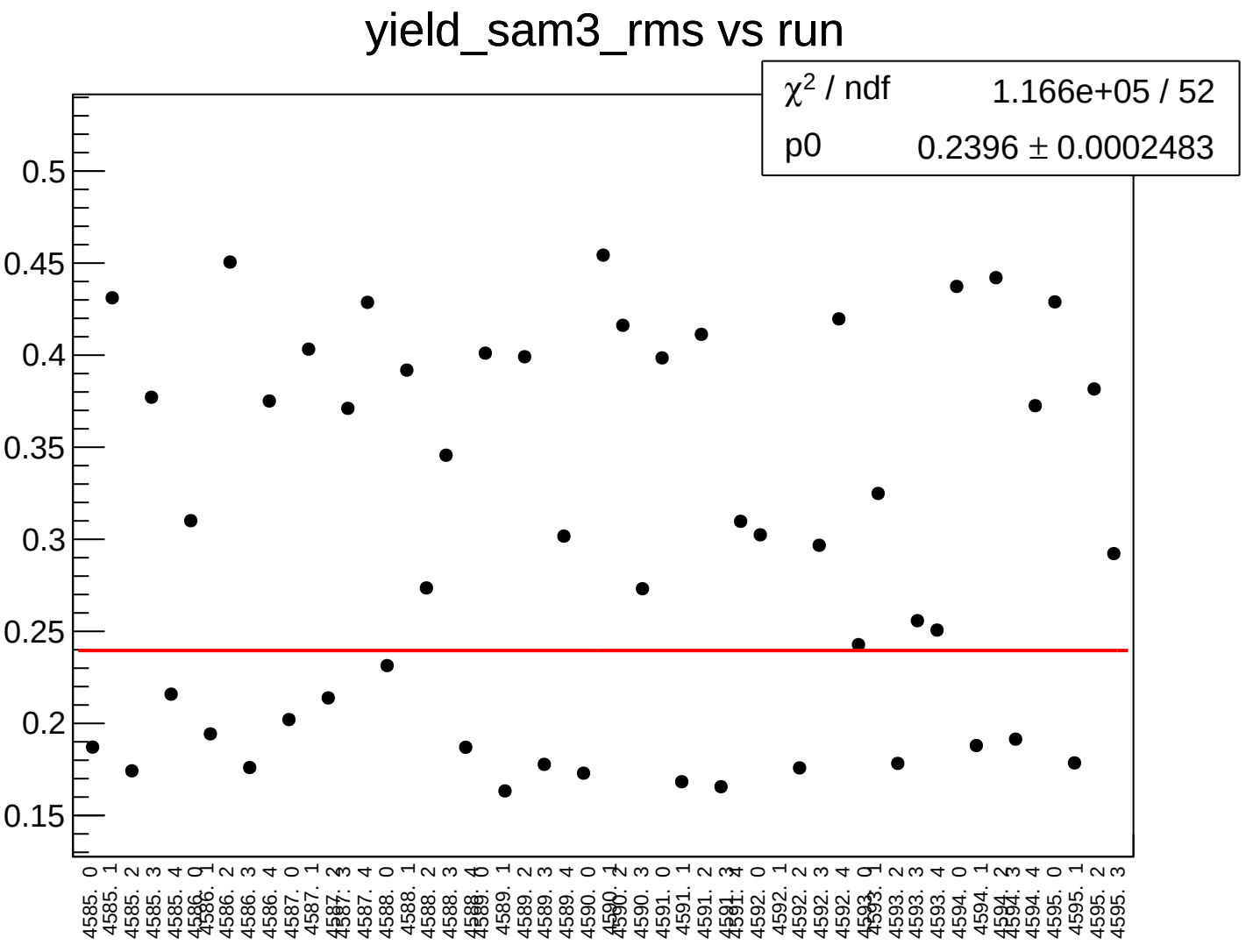

yield_sam2_mean vs run
χ^2 / ndf 1.226e+05 / 52
p0 9.352 ± 0.0001236
9.5
9.45
9.4
9.35
9.3
9.25
pull
Entries 53
Mean 36.33
Std Dev 6.78
100
50
0
−50
−100
−150

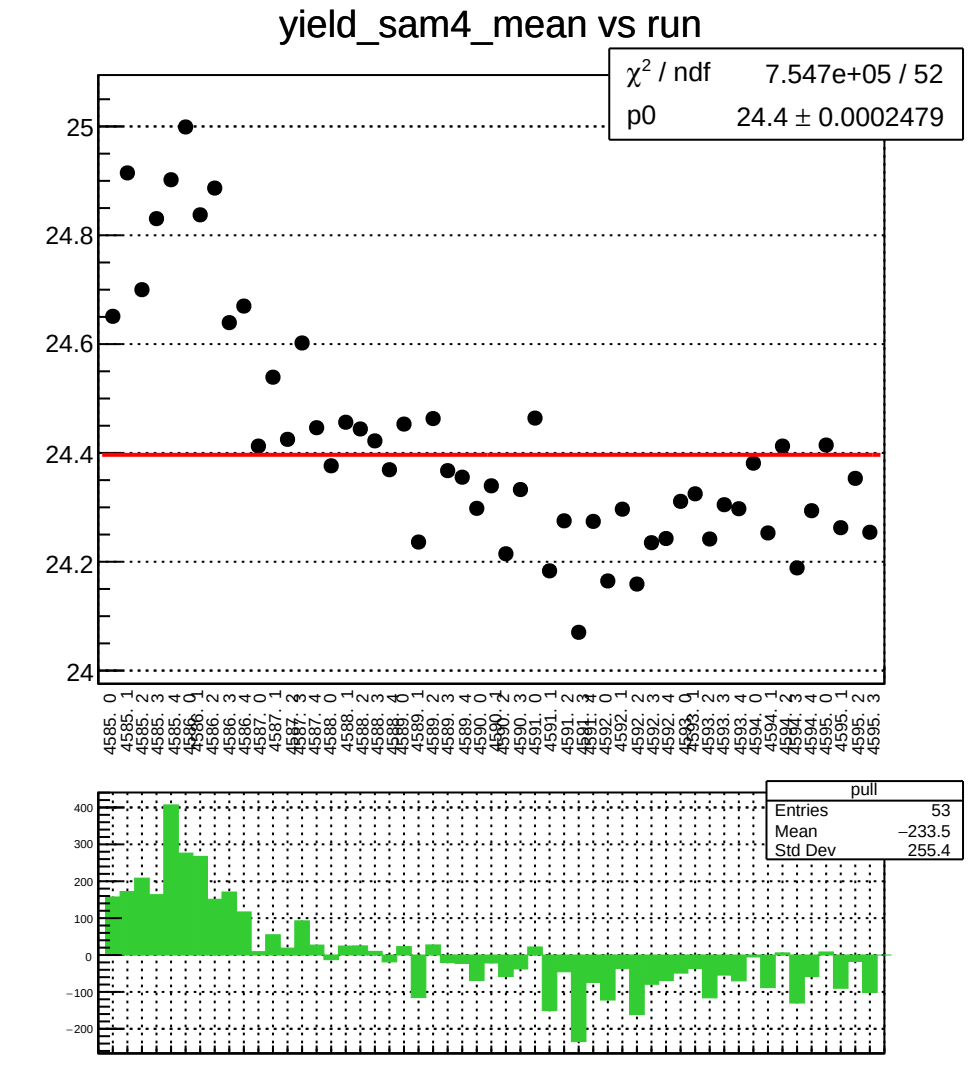

pull1D
Entries 53
Mean 1.105
Std Dev 3.585
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

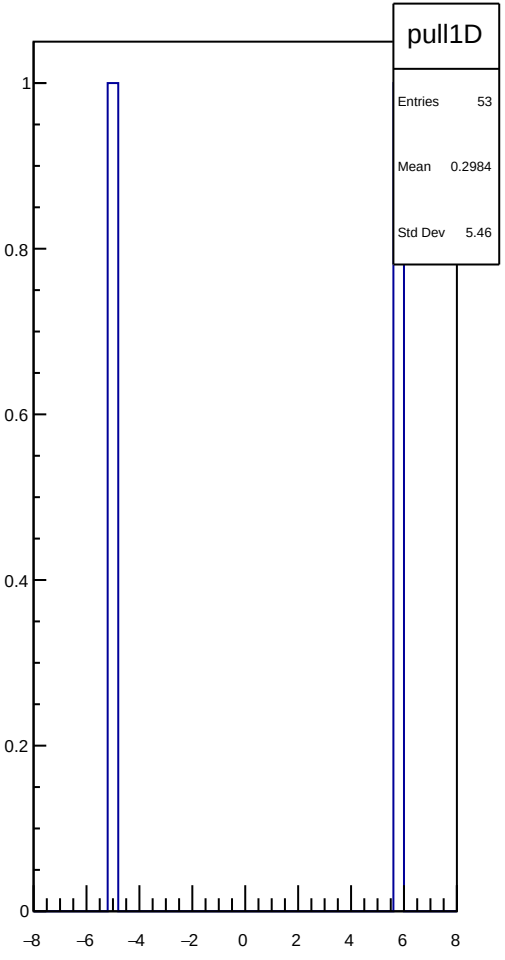

yield_sam2_rms vs run
χ² / ndf 7.759e+04 / 52
p0 0.08608 ± 8.739e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06

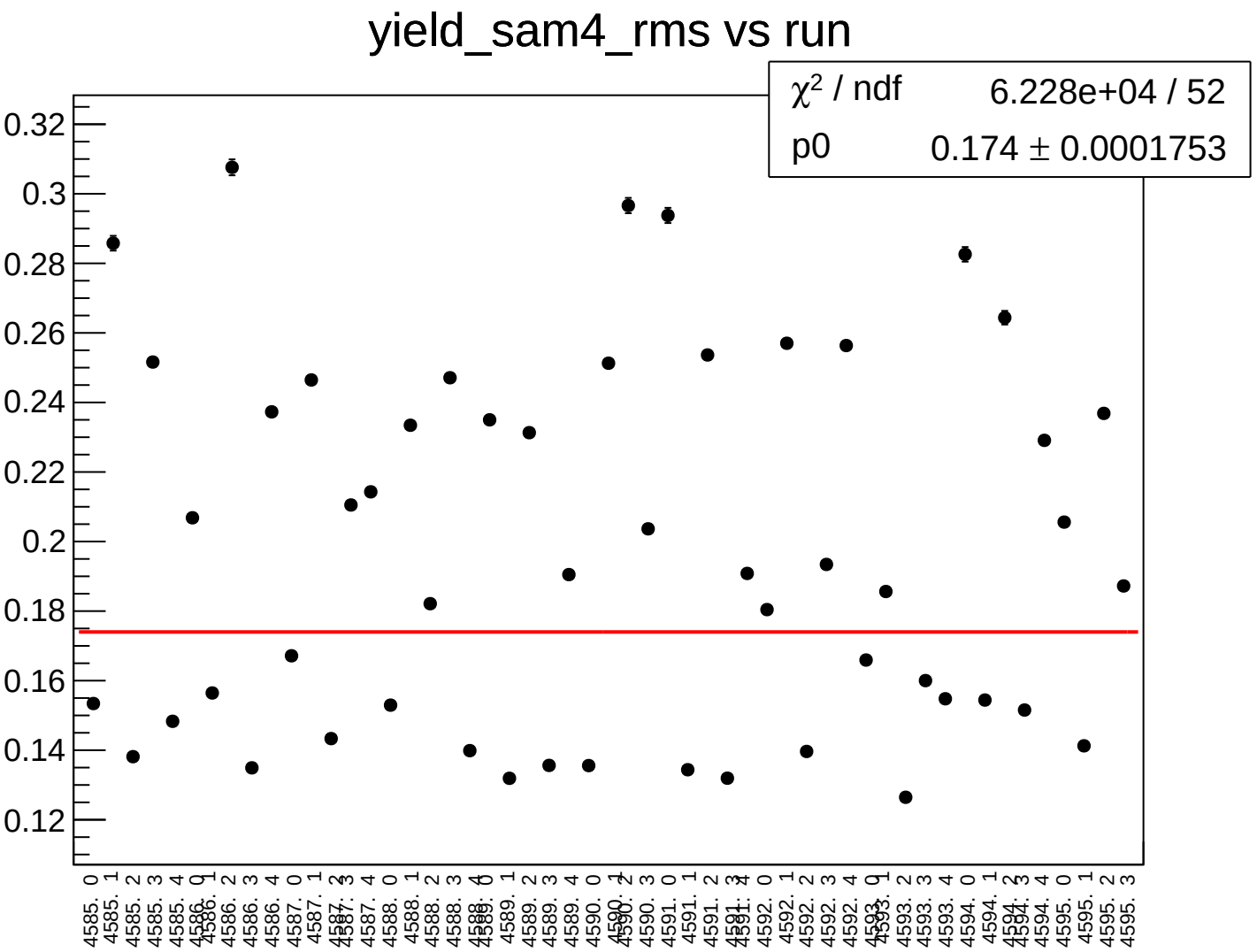

yield_sam3_mean vs run
χ² / ndf 2.255e+05 / 52
p0 16.94 ± 0.0003511
pull
Entries 53
Mean −15.66
Std Dev 32.47

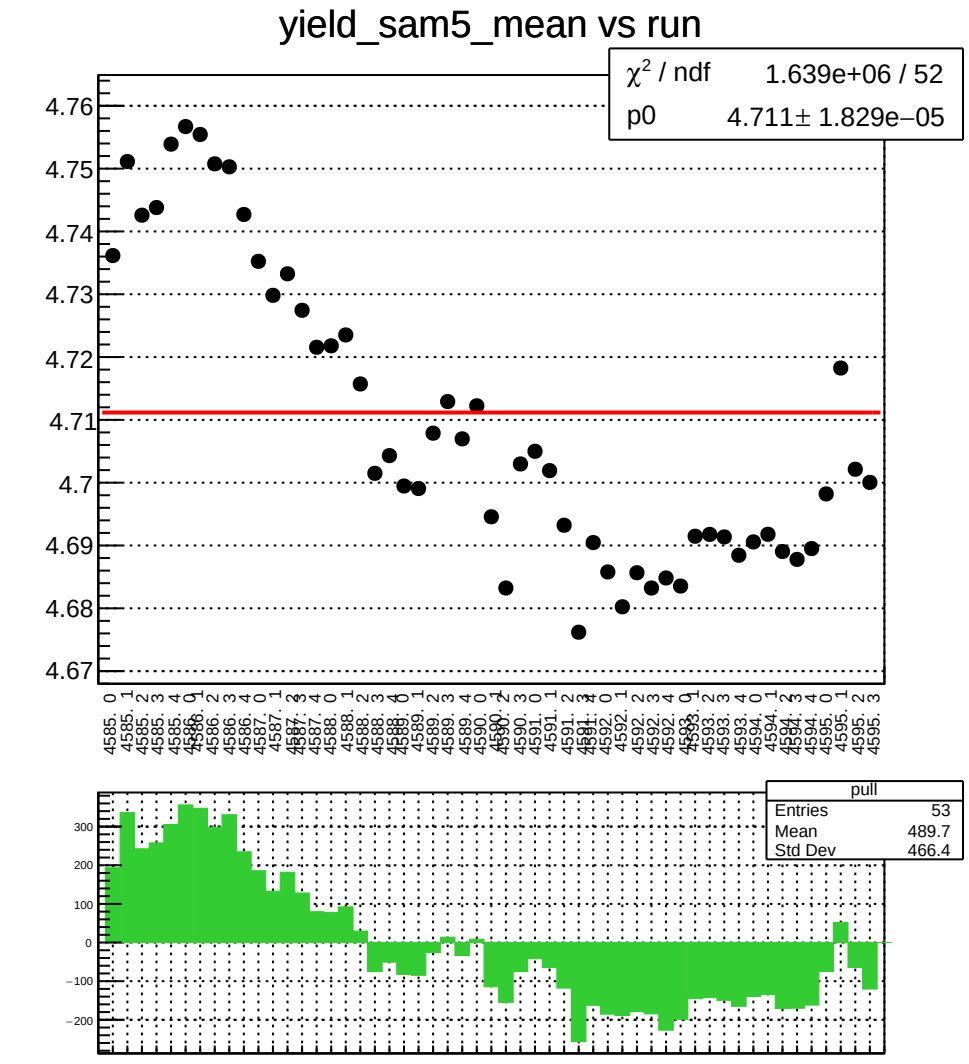

pull1D
Entries 53
Mean −3.713
Std Dev 4.524

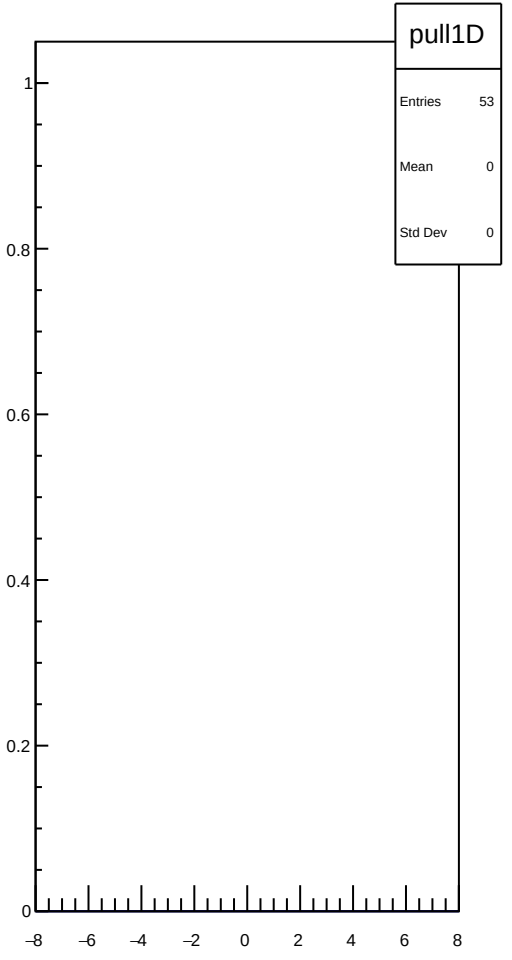

yield_sam3_rms vs run
χ² / ndf 1.166e+05 / 52
p0 0.2396 ± 0.0002483
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4590. 4
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

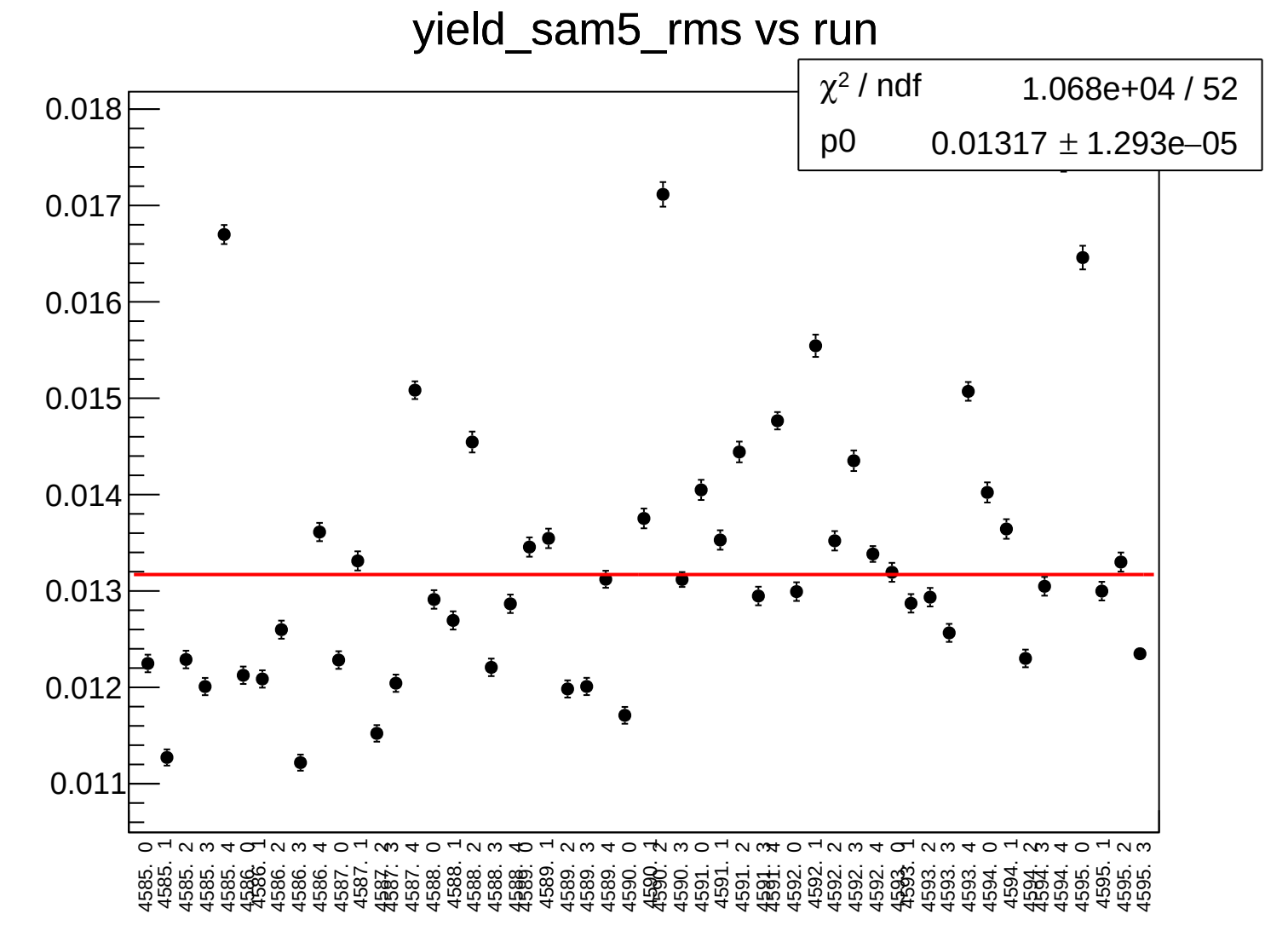

yield_sam4_mean vs run
χ² / ndf 7.547e+05 / 52
p0 24.4 ± 0.0002479
25
24.8
24.6
24.4
24.2
24
pull
Entries 53
Mean −233.5
Std Dev 255.4
400
300
200
100
0
−100
−200

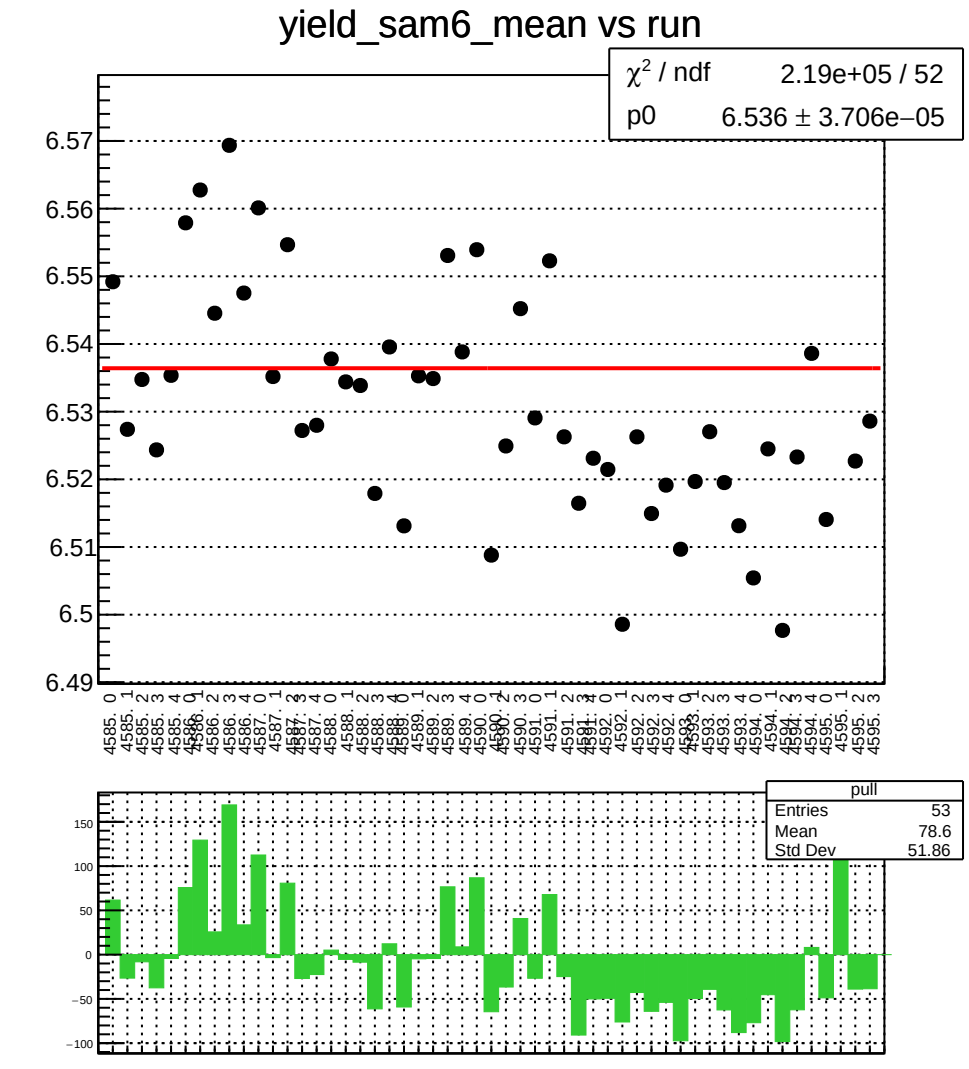

pull1D
Entries 53
Mean 0.2984
Std Dev 5.46
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

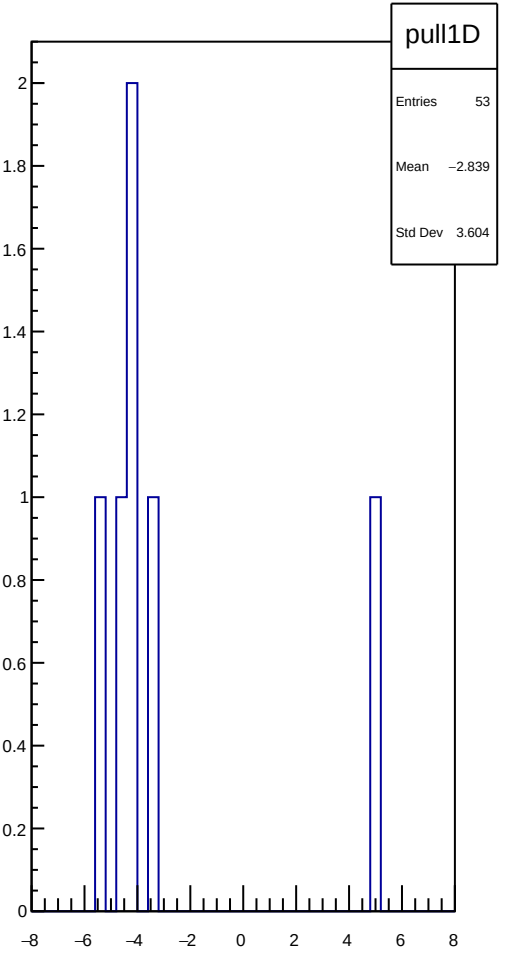

yield_sam4_rms vs run
χ² / ndf 6.228e+04 / 52
p0 0.174 ± 0.0001753
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12

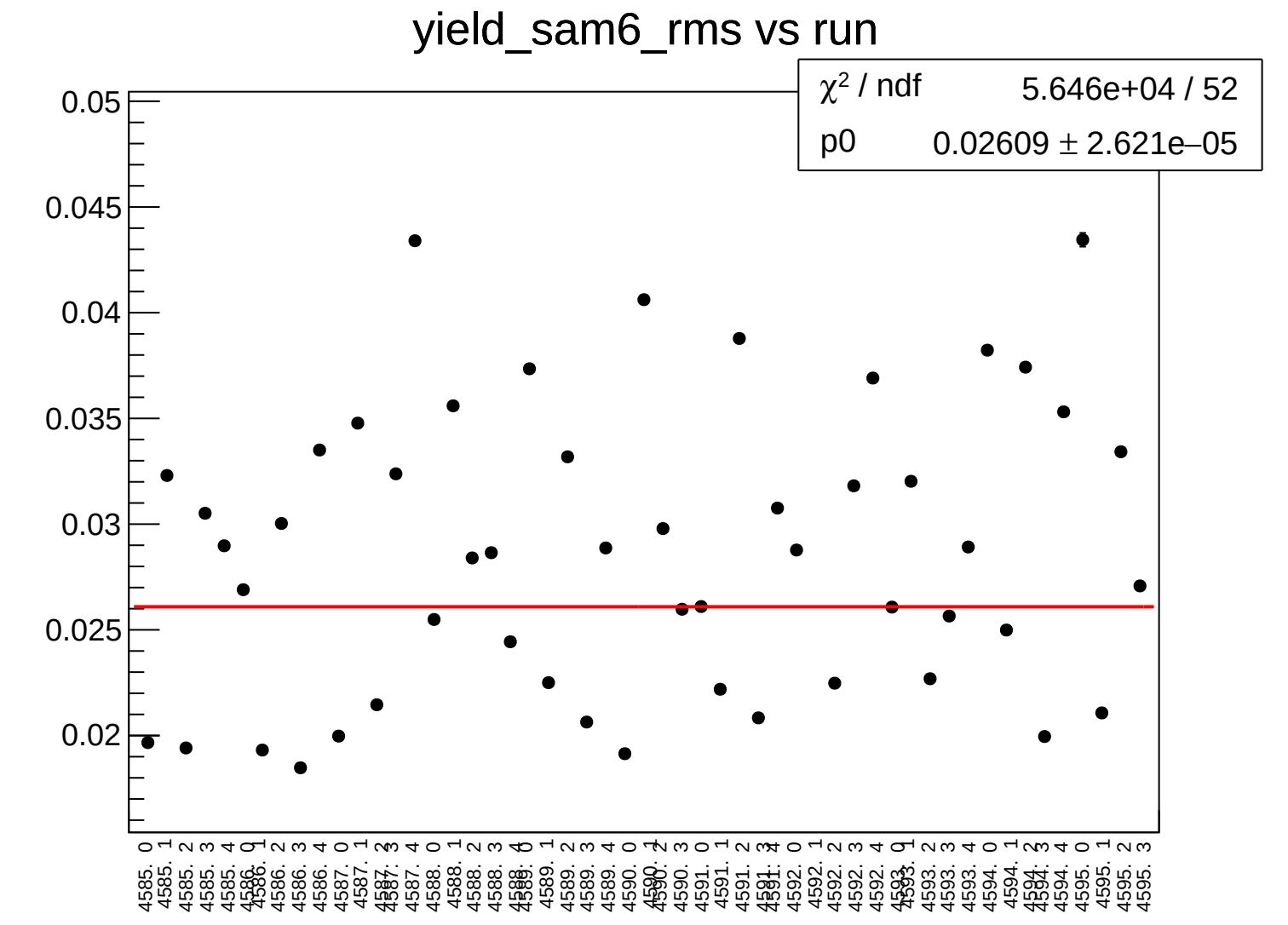

yield_sam5_mean vs run
χ² / ndf 1.639e+06 / 52
p0 4.711± 1.829e−05
4.76
4.75
4.74
4.73
4.72
4.71
4.7
4.69
4.68
4.67
pull
Entries 53
Mean 489.7
Std Dev 466.4
300
200
100
0
−100
−200

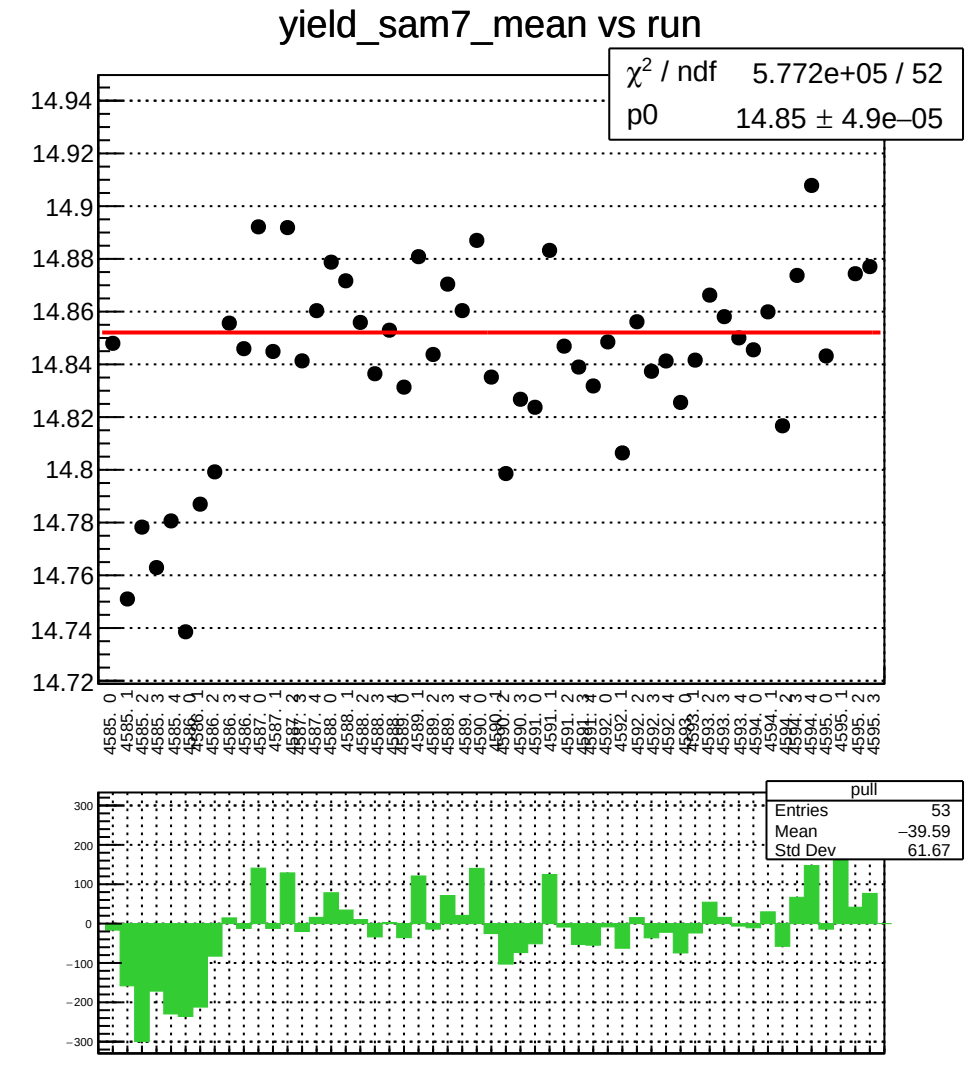

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

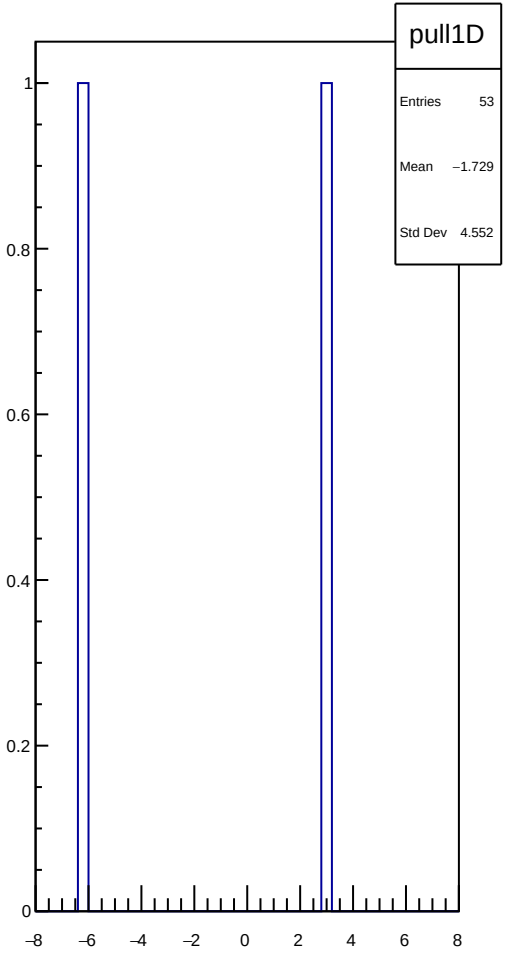

yield_sam5_rms vs run
χ² / ndf 1.068e+04 / 52
p0 0.01317 ± 1.293e–05
0.018
0.017
0.016
0.015
0.014
0.013
0.012
0.011
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

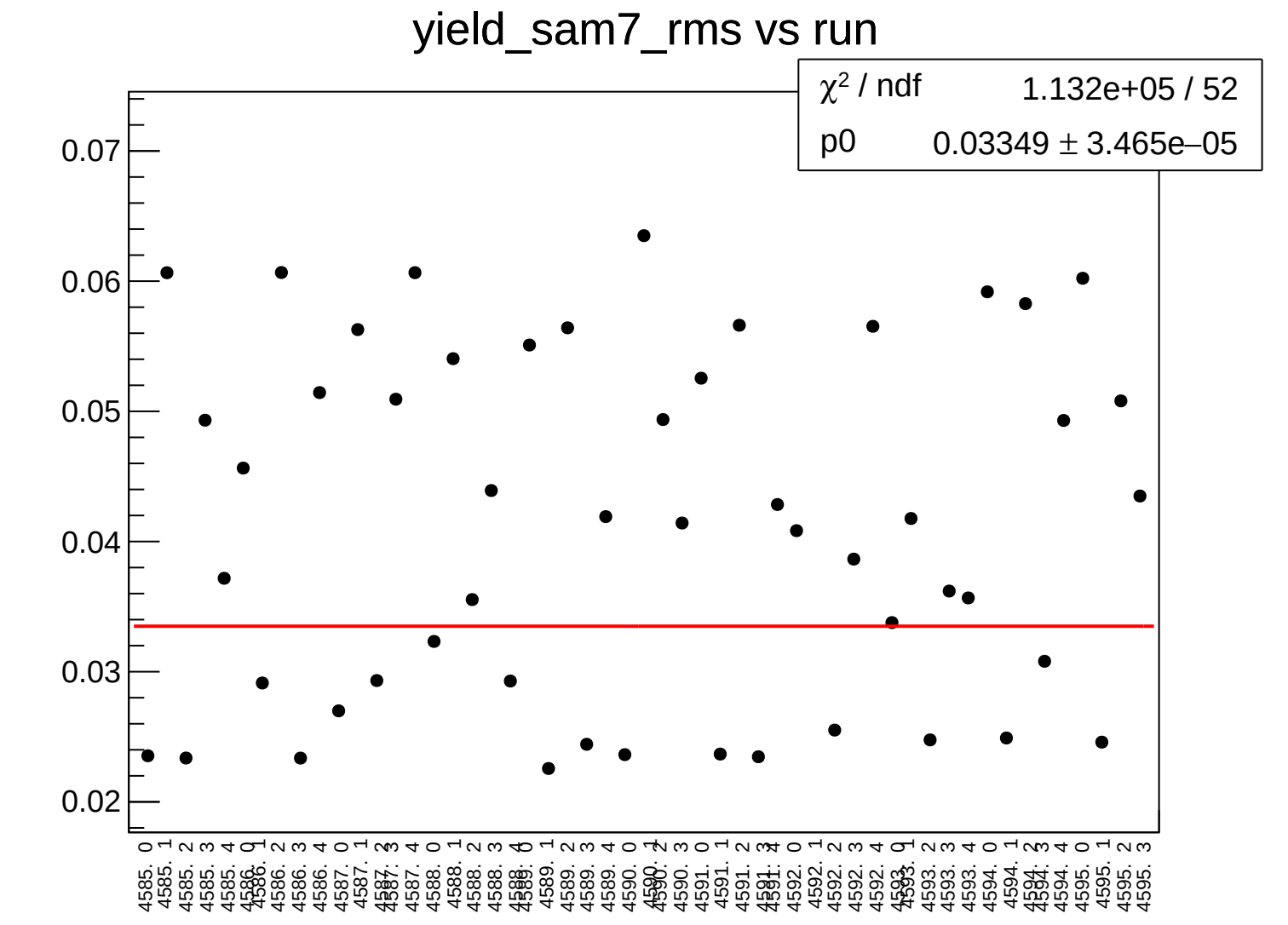

yield_sam6_mean vs run
χ² / ndf 2.19e+05 / 52
p0 6.536 ± 3.706e−05
6.57
6.56
6.55
6.54
6.53
6.52
6.51
6.5
6.49
pull
Entries 53
Mean 78.6
Std Dev 51.86
150
100
50
0
−50
−100

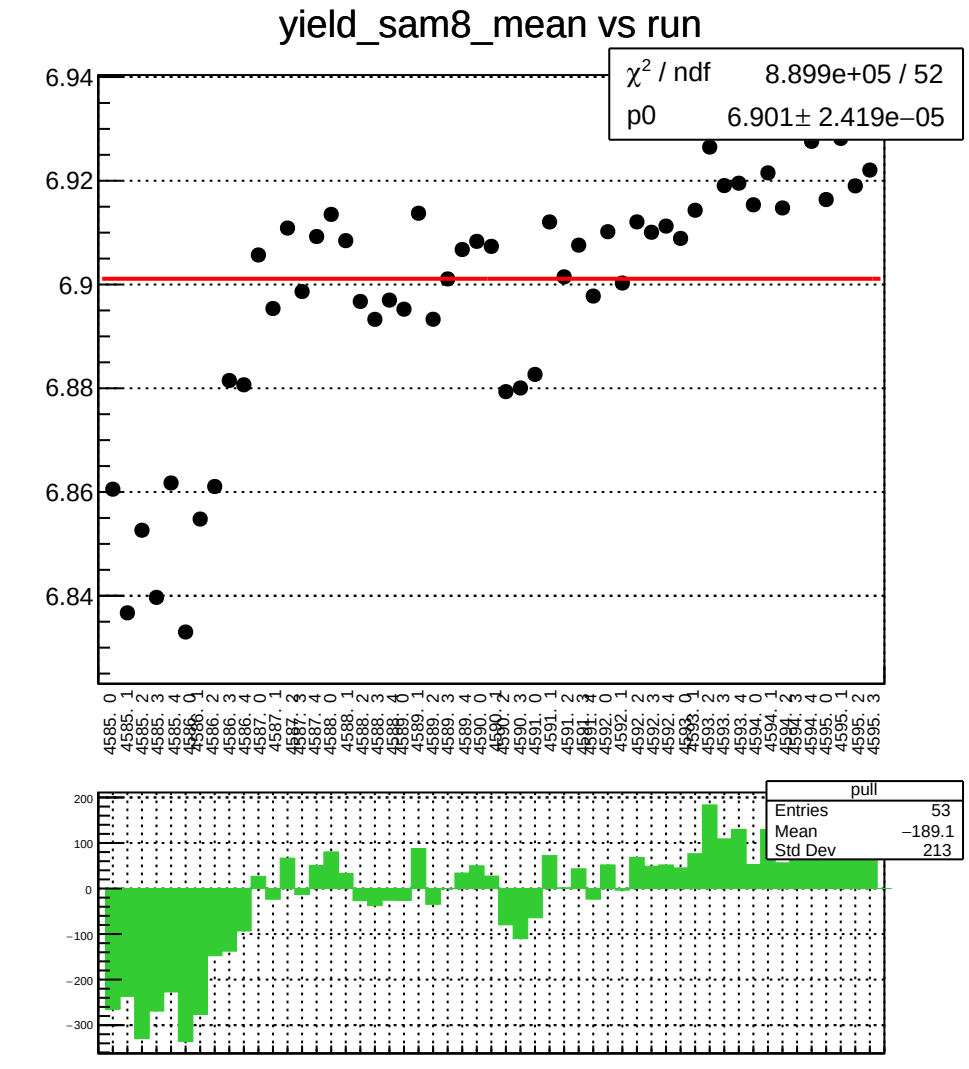

pull1D
Entries 53
Mean −2.839
Std Dev 3.604
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

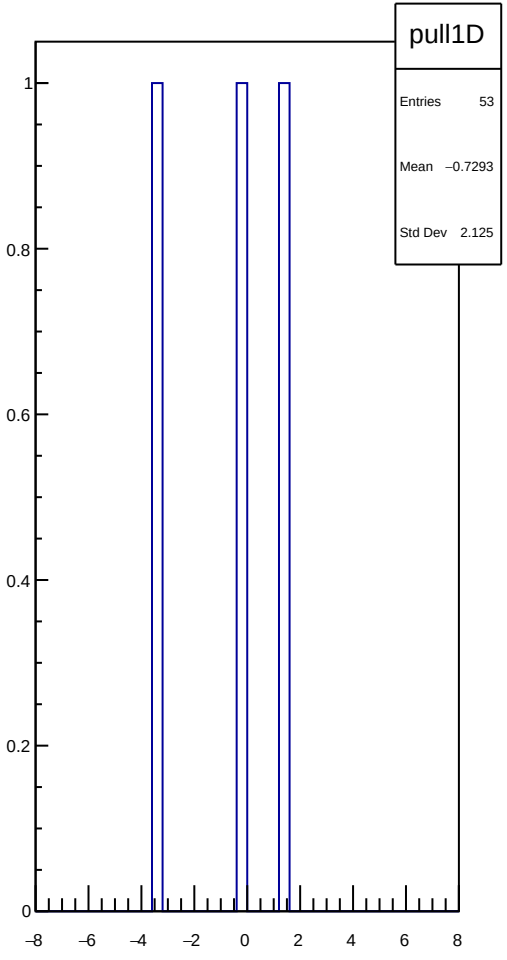

yield_sam6_rms vs run
χ² / ndf 5.646e+04 / 52
p0 0.02609 ± 2.621e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4590. 4
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

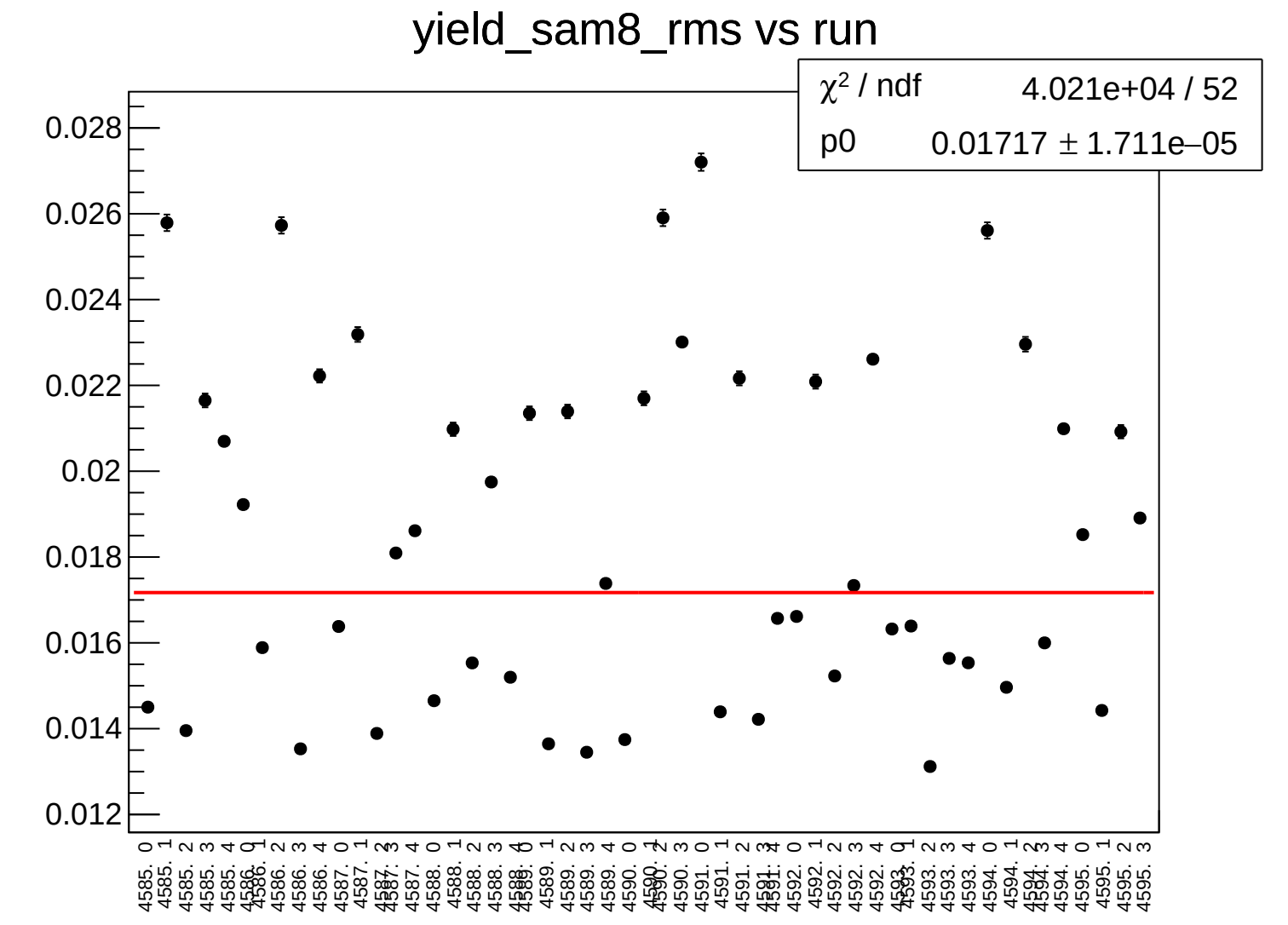

yield_sam7_mean vs run
χ² / ndf 5.772e+05 / 52
p0 14.85 ± 4.9e−05
14.94
14.92
14.9
14.88
14.86
14.84
14.82
14.8
14.78
14.76
14.74
14.72
pull
Entries 53
Mean −39.59
Std Dev 61.67
300
200
100
0
−100
−200
−300

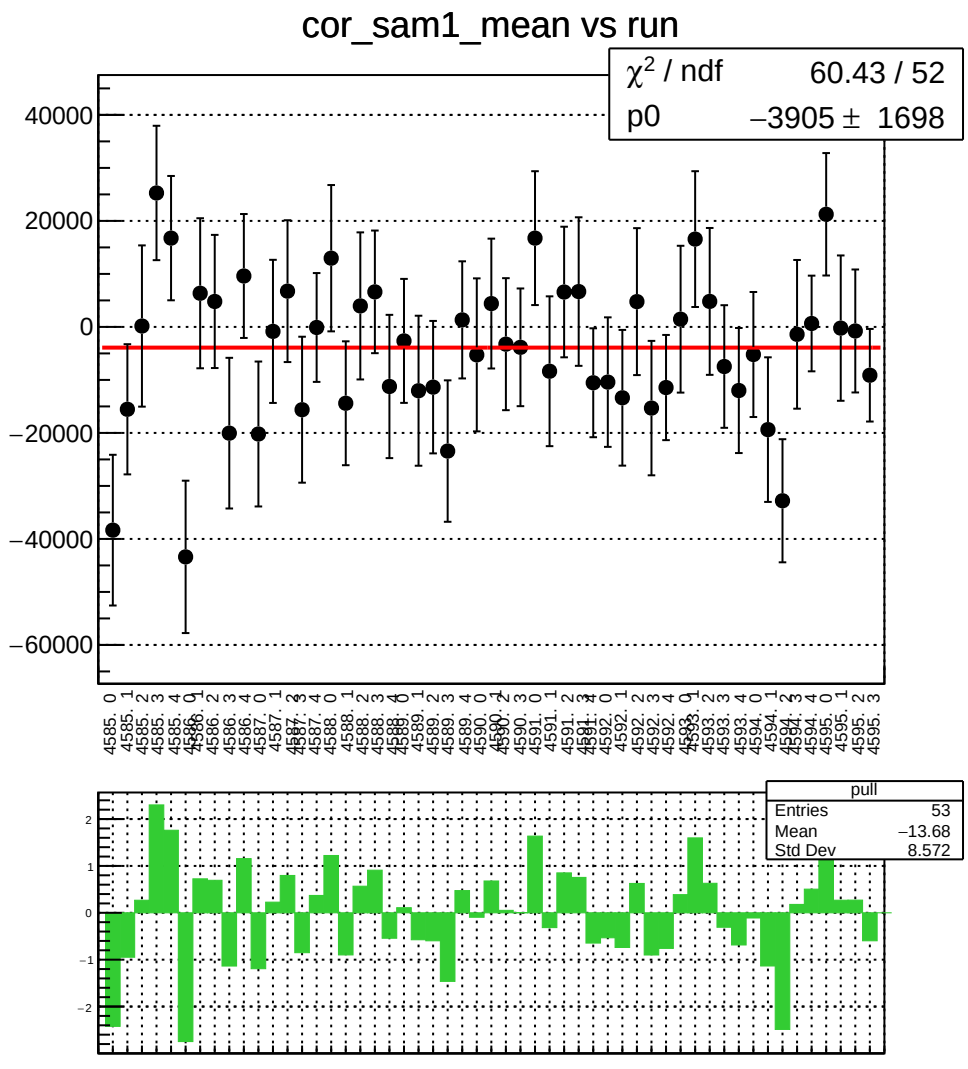

pull1D
Entries 53
Mean −1.729
Std Dev 4.552
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

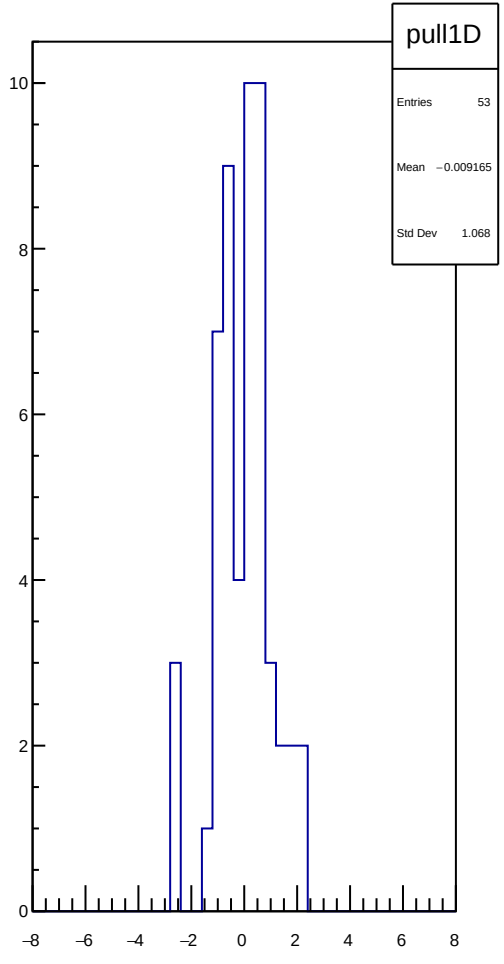

yield_sam7_rms vs run
χ² / ndf 1.132e+05 / 52
p0 0.03349 ± 3.465e−05
0.07
0.06
0.05
0.04
0.03
0.02

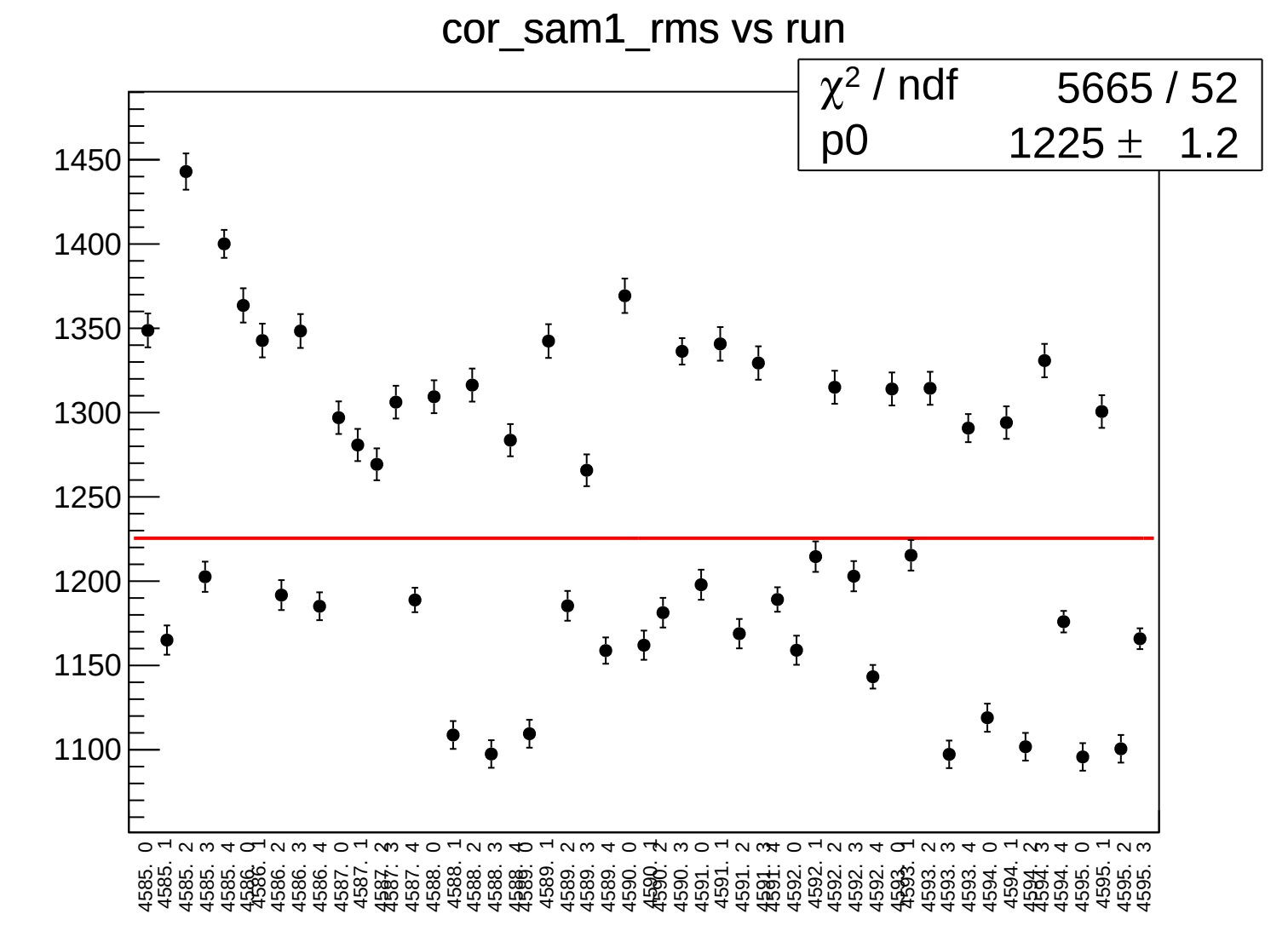

yield_sam8_mean vs run
χ² / ndf 8.899e+05 / 52
p0 6.901± 2.419e−05
6.94
6.92
6.9
6.88
6.86
6.84
pull
Entries 53
Mean −189.1
Std Dev 213
200
100
0
−100
−200
−300

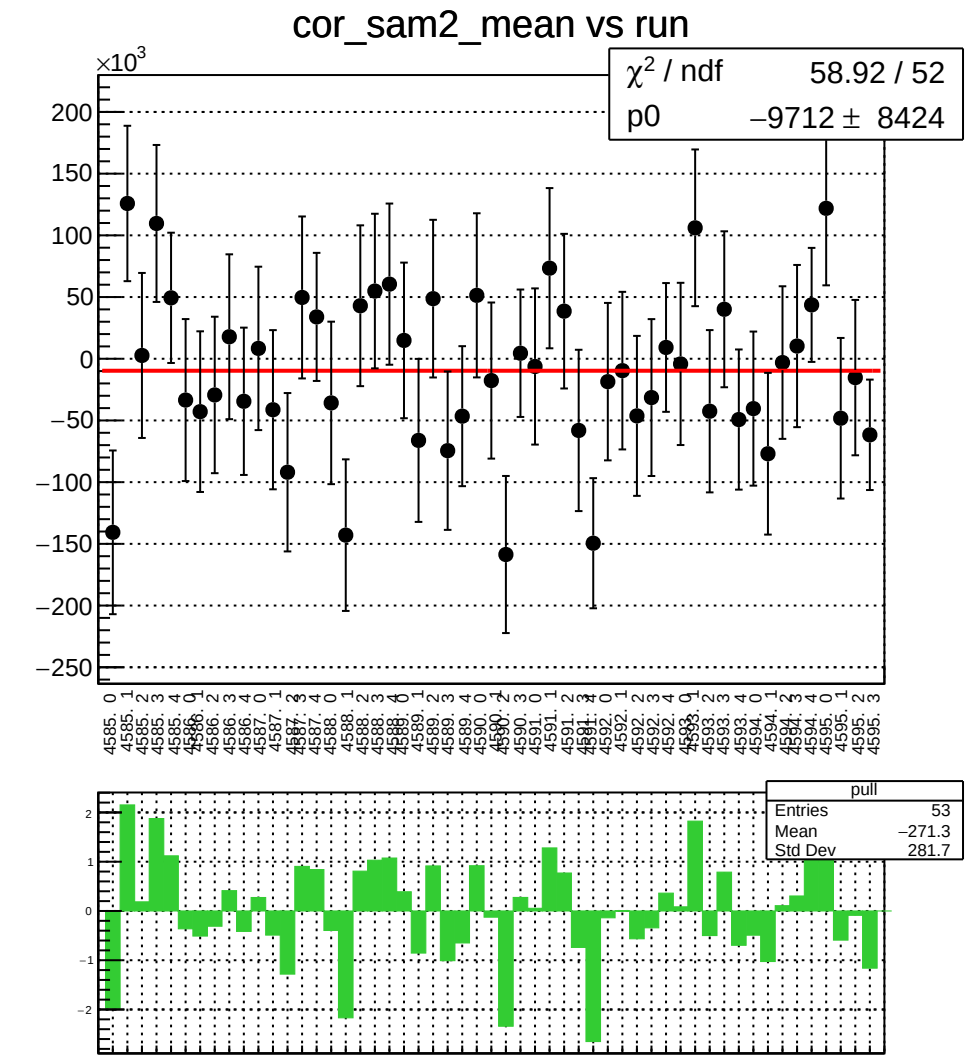

pull1D
Entries 53
Mean −0.7293
Std Dev 2.125
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

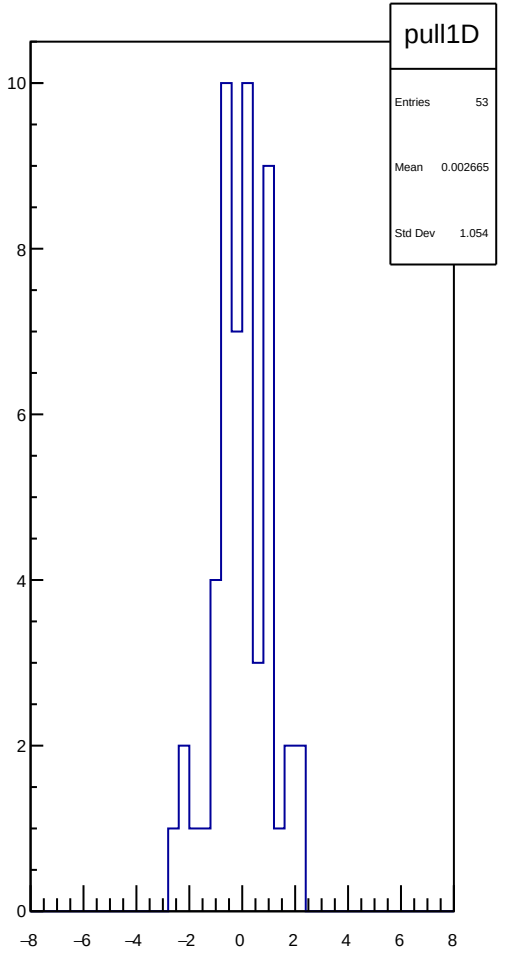

yield_sam8_rms vs run
χ² / ndf 4.021e+04 / 52
p0 0.01717 ± 1.711e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012

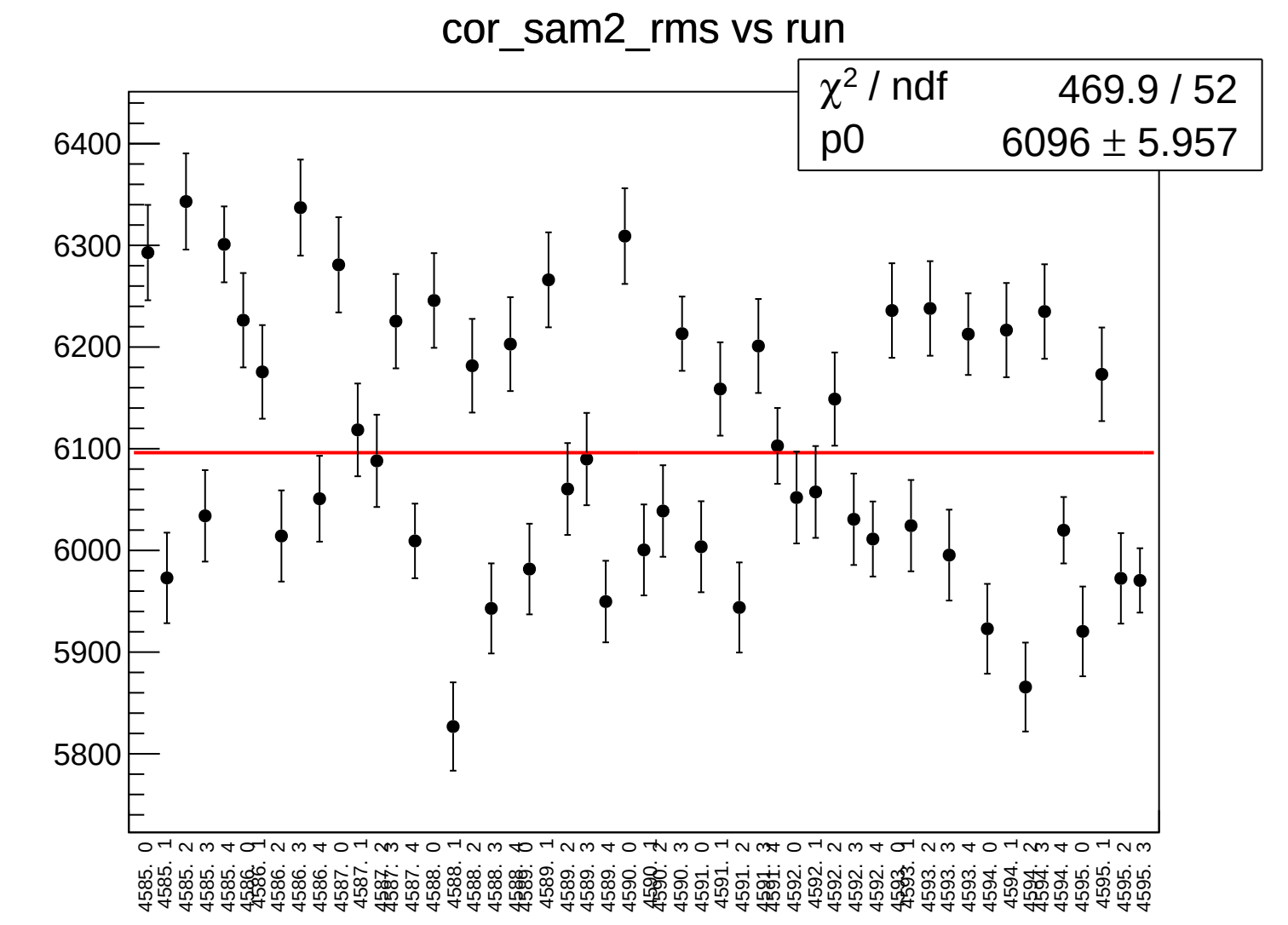

cor_sam1_mean vs run
χ² / ndf 60.43 / 52
p0 −3905 ± 1698
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −13.68
Std Dev 8.572
2
1
0
−1
−2

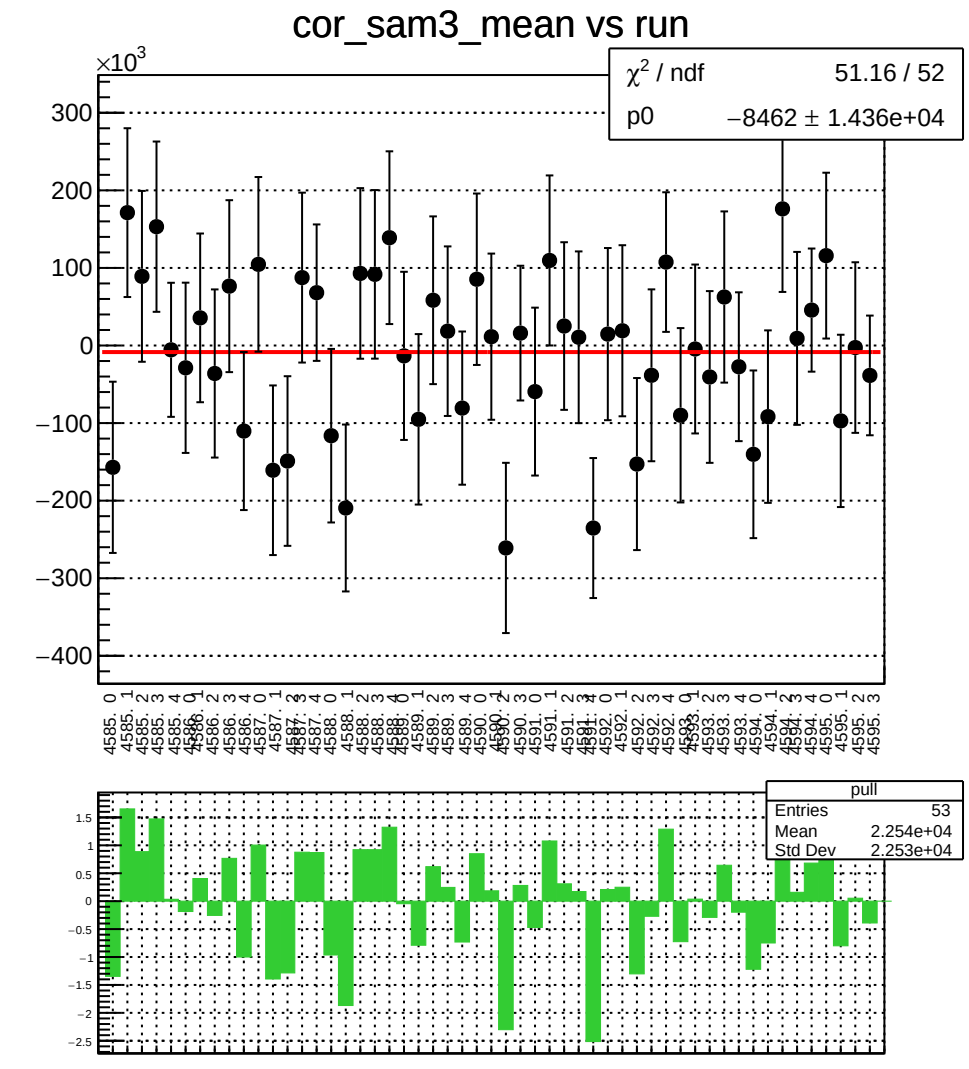

pull1D
Entries 53
Mean −0.009165
Std Dev 1.068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

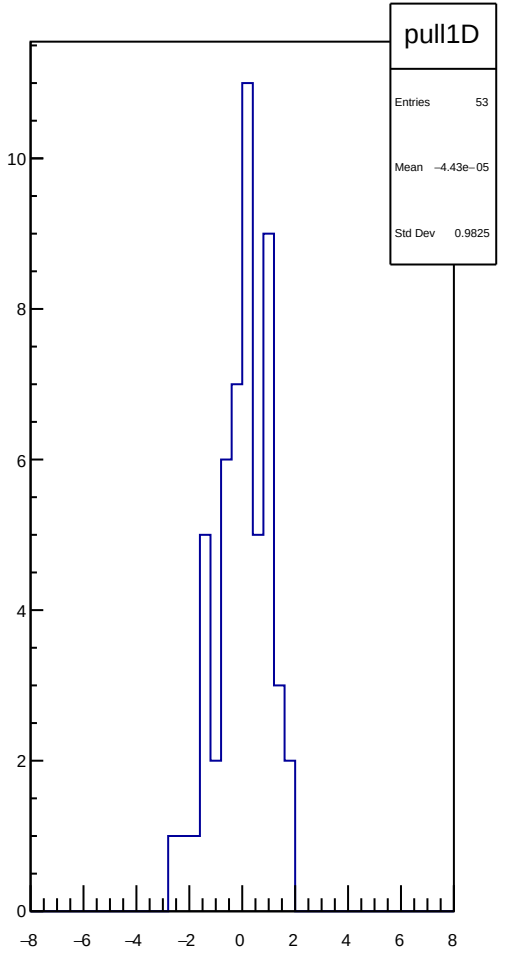

cor_sam1_rms vs run
χ² / ndf 5665 / 52
p0 1225 ± 1.2
1450
1400
1350
1300
1250
1200
1150
1100
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

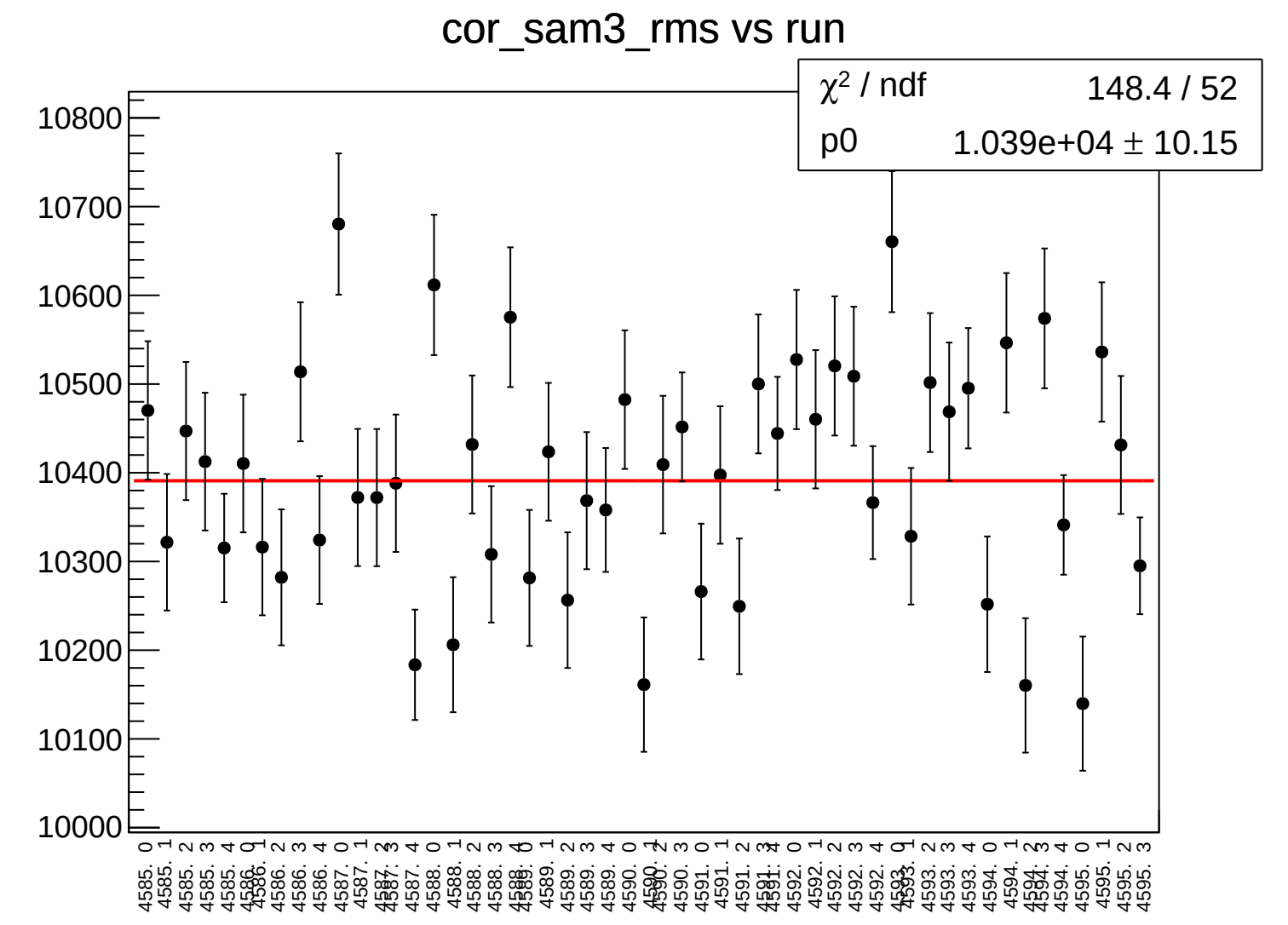

cor_sam2_mean vs run
×10^3
χ² / ndf 58.92 / 52
p0 −9712 ± 8424
pull
Entries 53
Mean −271.3
Std Dev 281.7

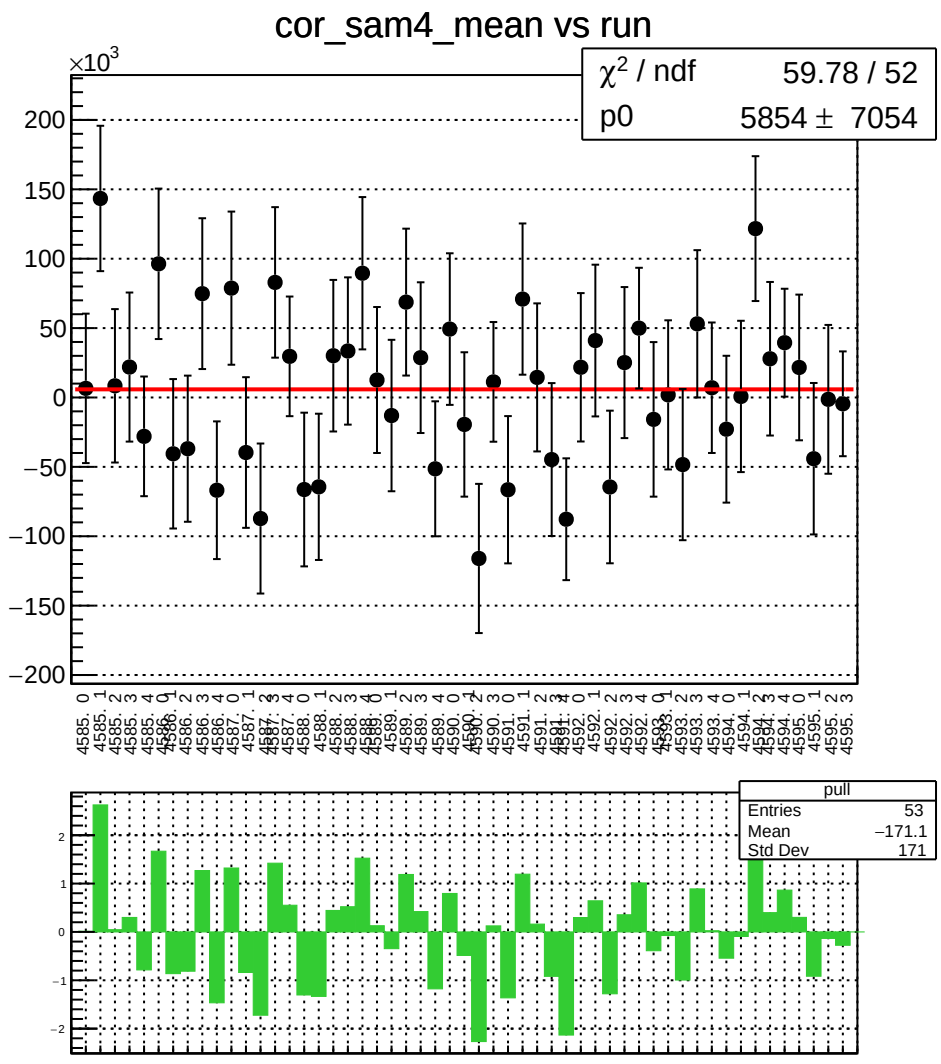

pull1D
Entries 53
Mean 0.002665
Std Dev 1.054

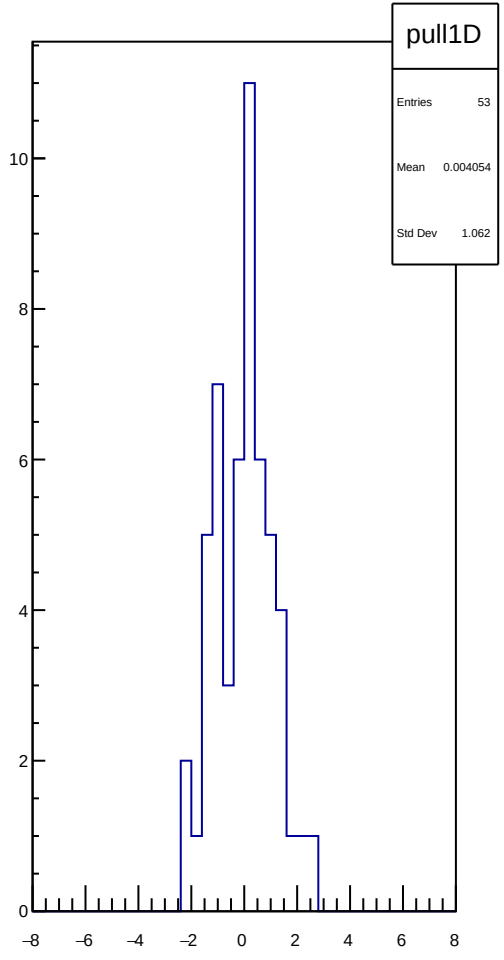

cor_sam2_rms vs run
χ² / ndf 469.9 / 52
p0 6096 ± 5.957
6400
6300
6200
6100
6000
5900
5800

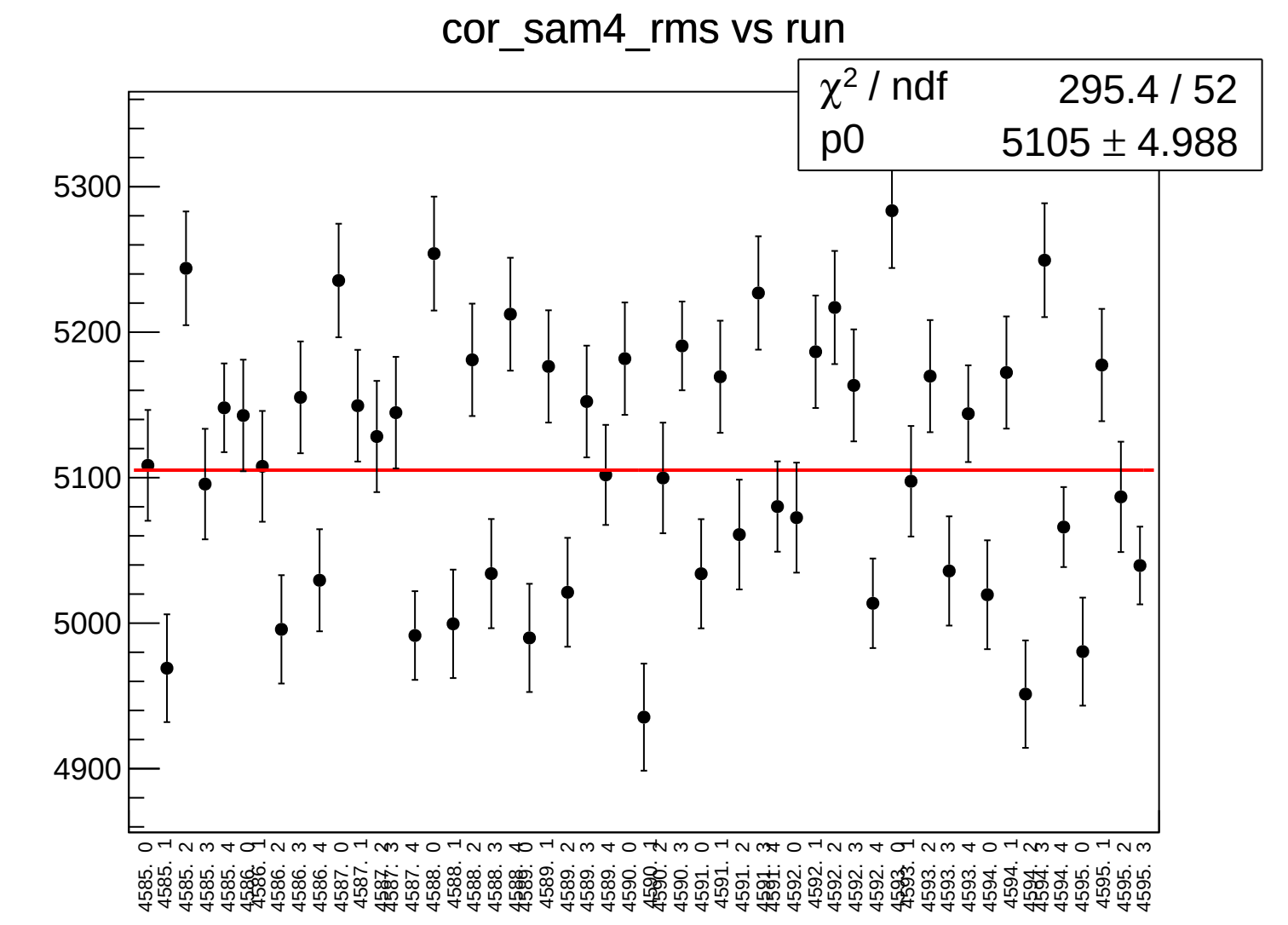

cor_sam3_mean vs run
×10^3
χ² / ndf 51.16 / 52
p0 −8462 ± 1.436e+04
pull
Entries 53
Mean 2.254e+04
Std Dev 2.253e+04

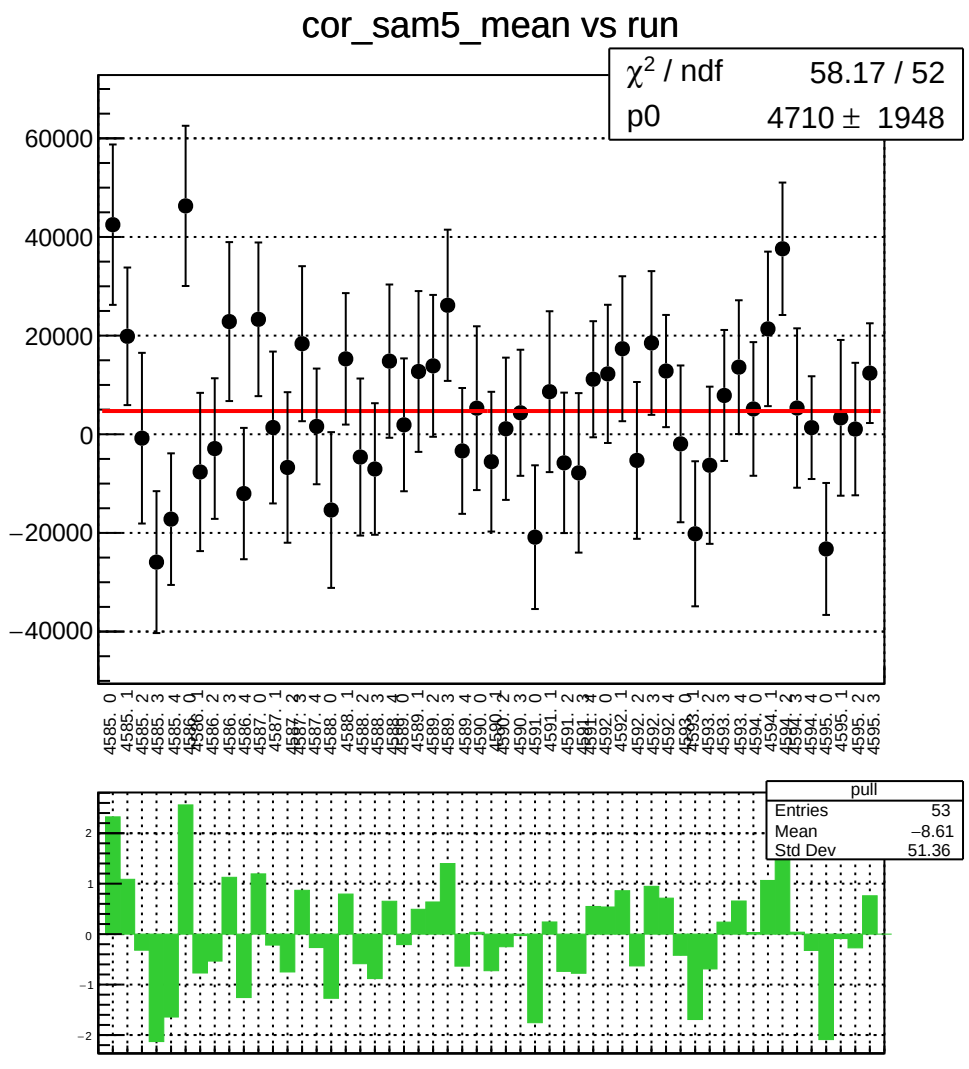

pull1D
Entries 53
Mean −4.43e−05
Std Dev 0.9825

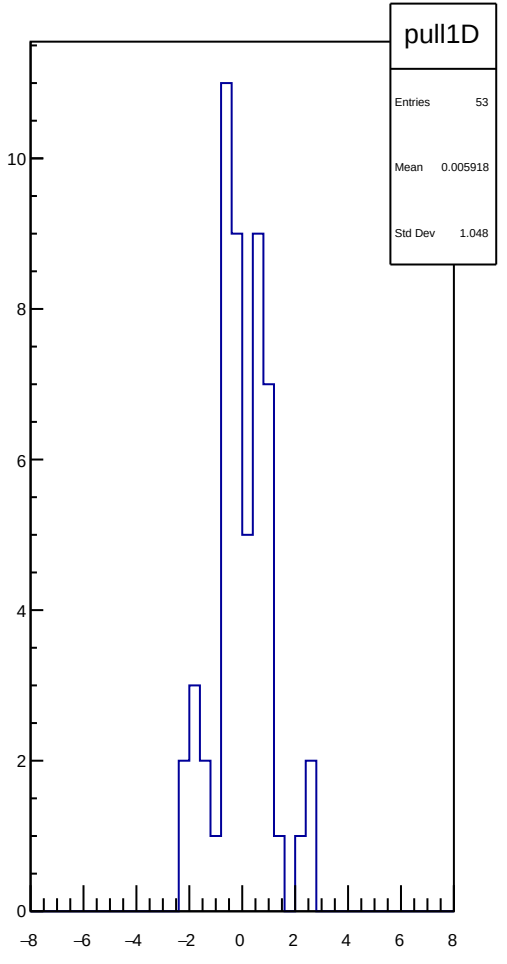

cor_sam3_rms vs run
χ² / ndf 148.4 / 52
p0 1.039e+04 ± 10.15
10800
10700
10600
10500
10400
10300
10200
10100
10000
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

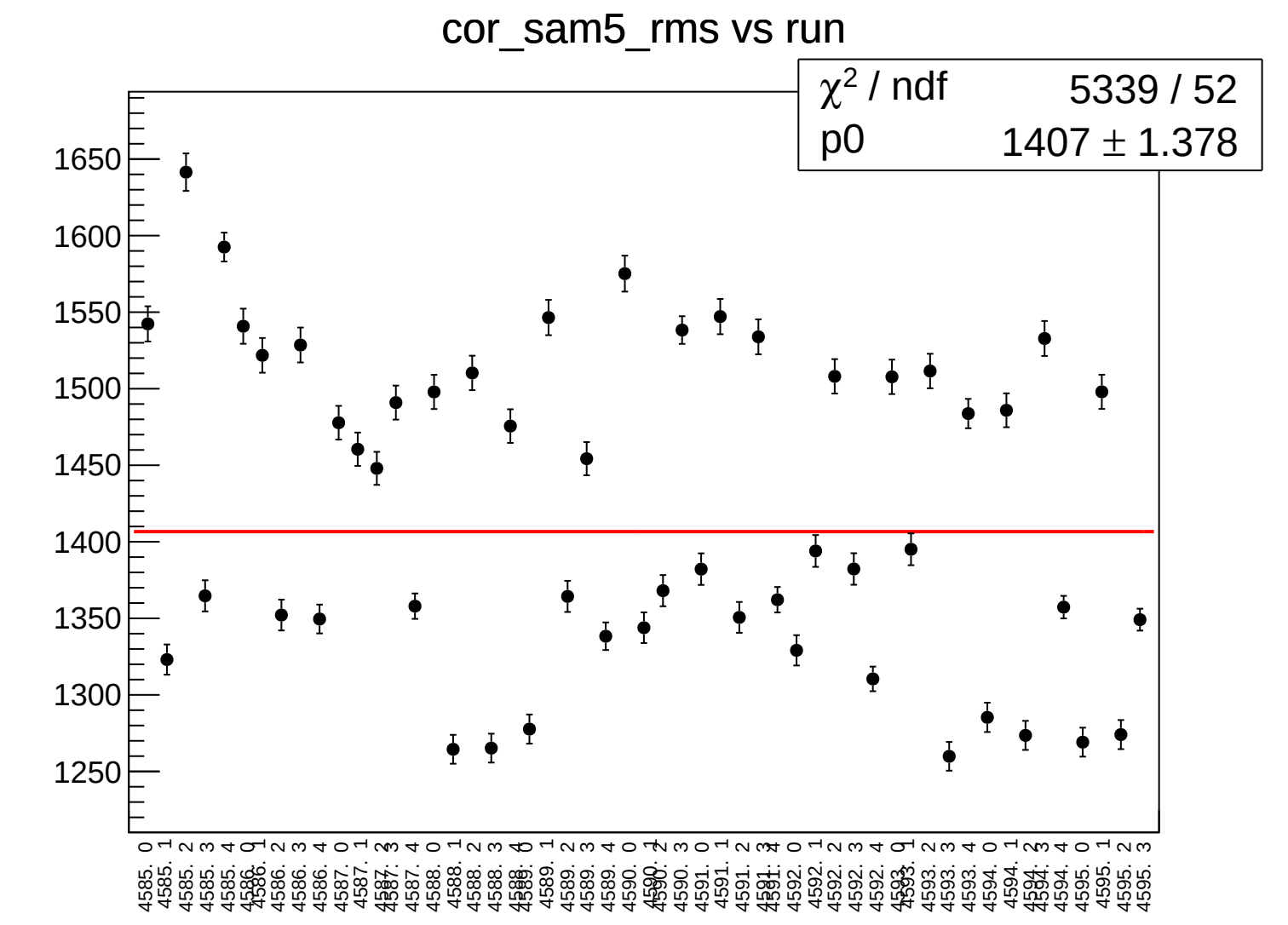

cor_sam4_mean vs run
×10^3
χ² / ndf 59.78 / 52
p0 5854 ± 7054
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −171.1
Std Dev 171
2
1
0
−1
−2

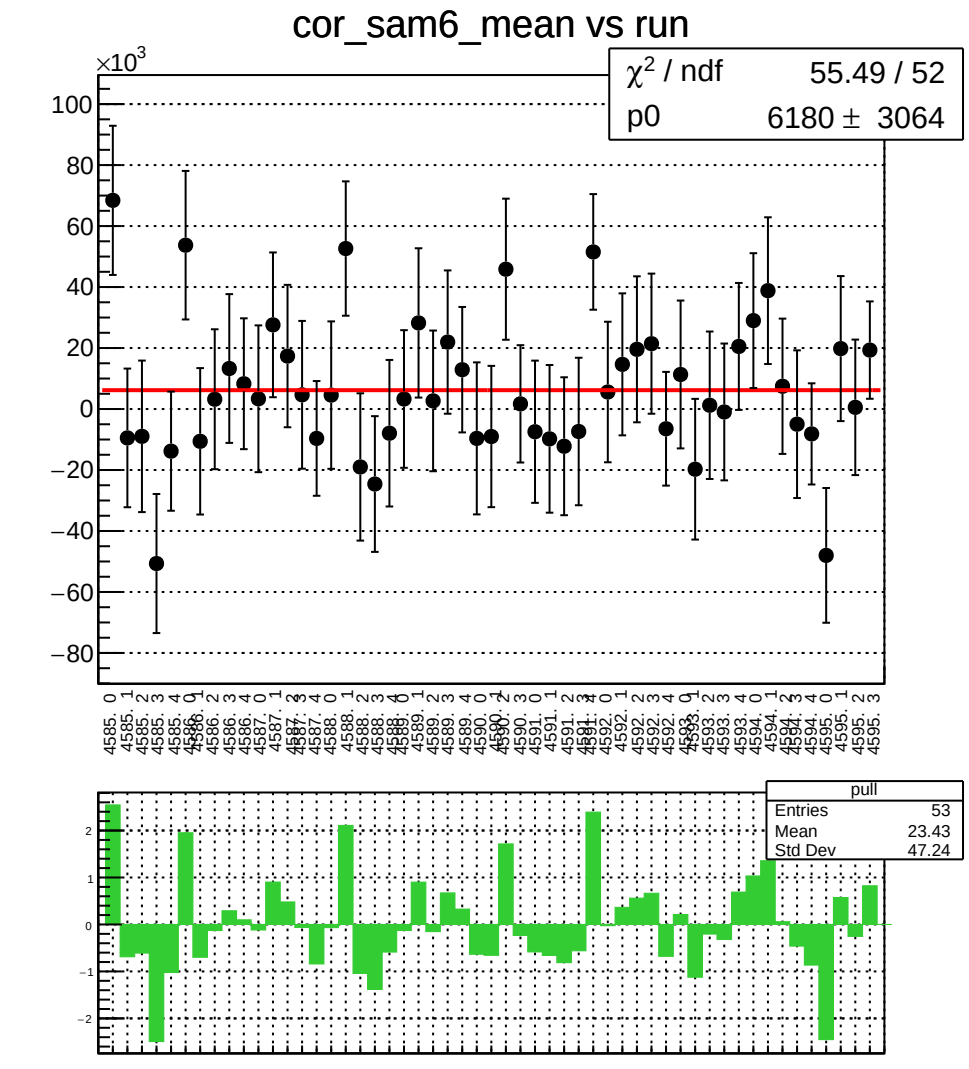

pull1D
Entries 53
Mean 0.004054
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

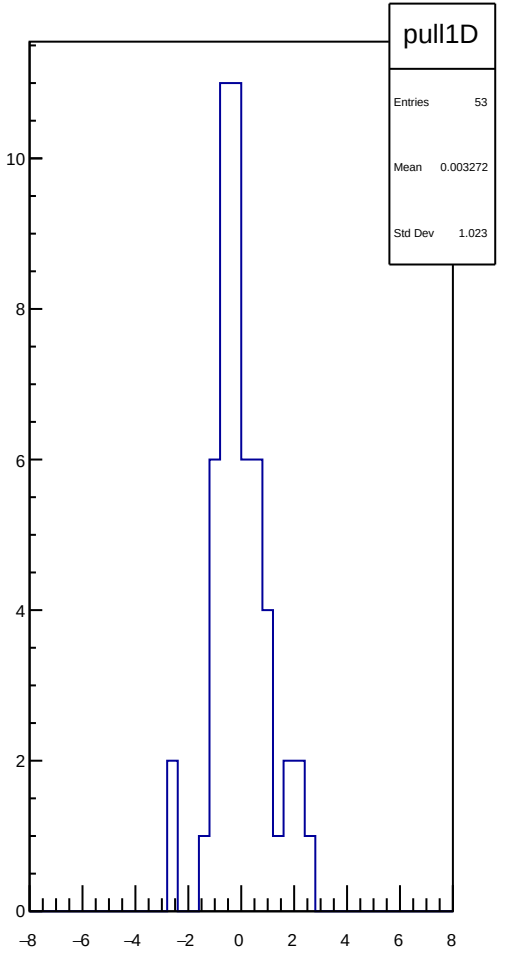

cor_sam4_rms vs run
χ² / ndf 295.4 / 52
p0 5105 ± 4.988
5300
5200
5100
5000
4900
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

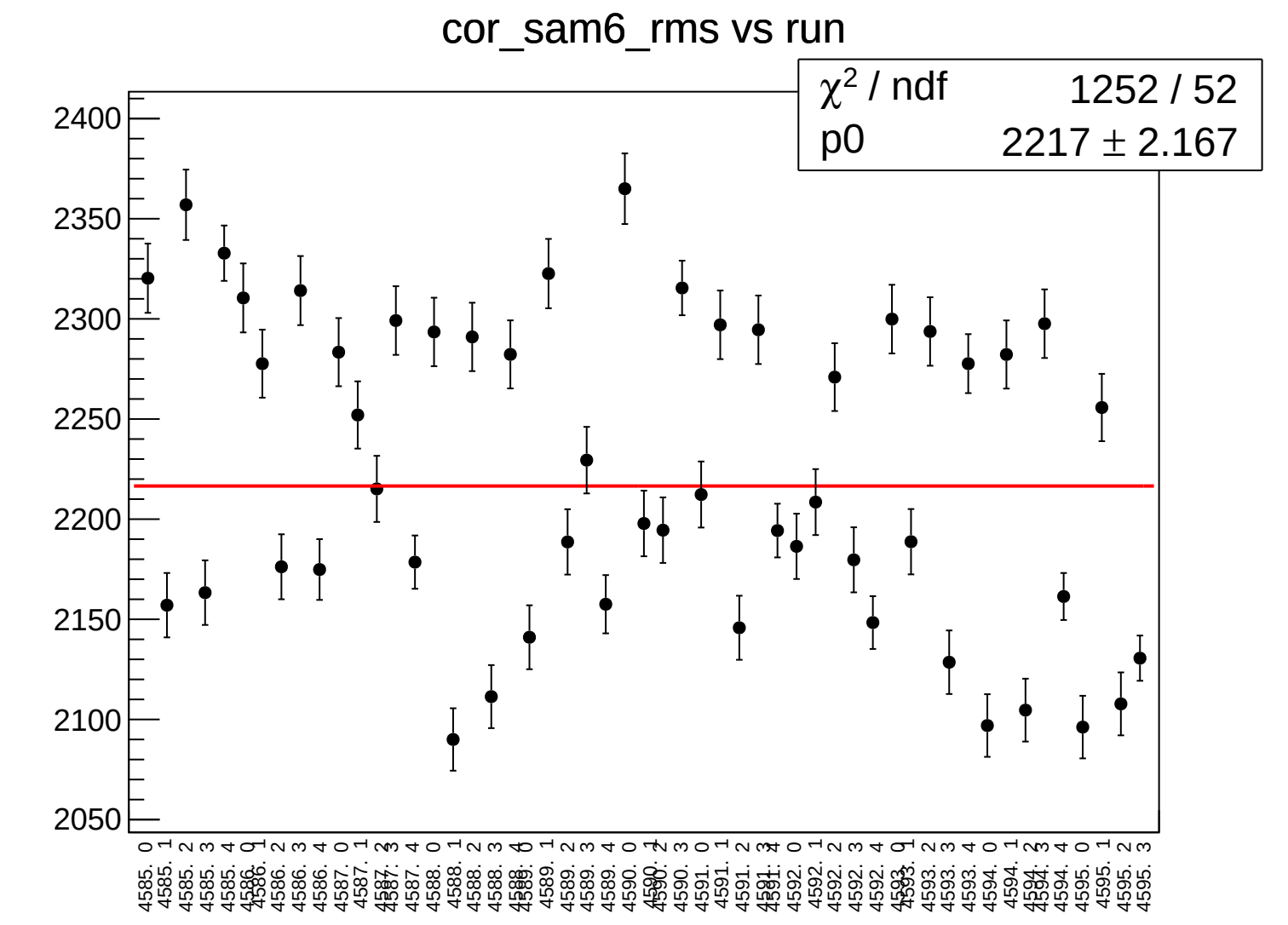

cor_sam5_mean vs run
χ² / ndf 58.17 / 52
p0 4710 ± 1948
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −8.61
Std Dev 51.36
2
1
0
−1
−2

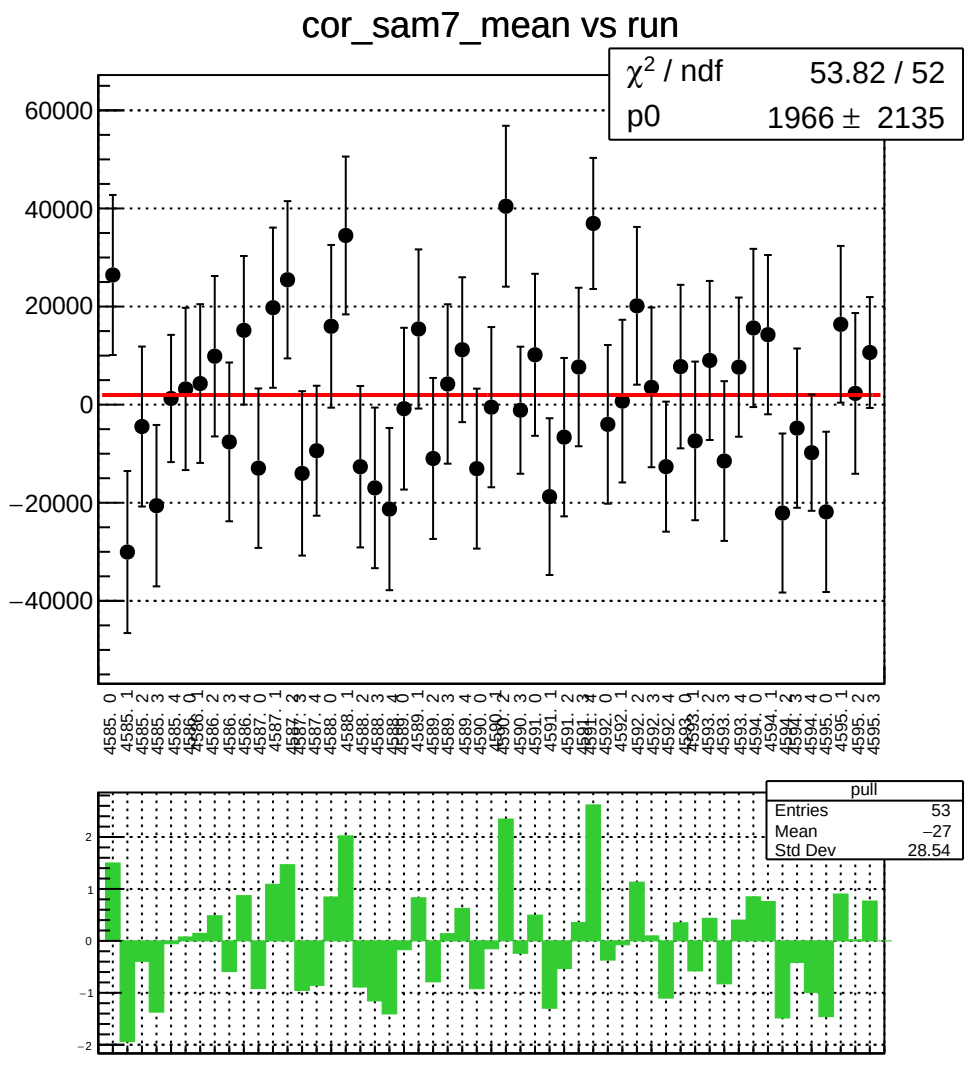

pull1D
Entries 53
Mean 0.005918
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

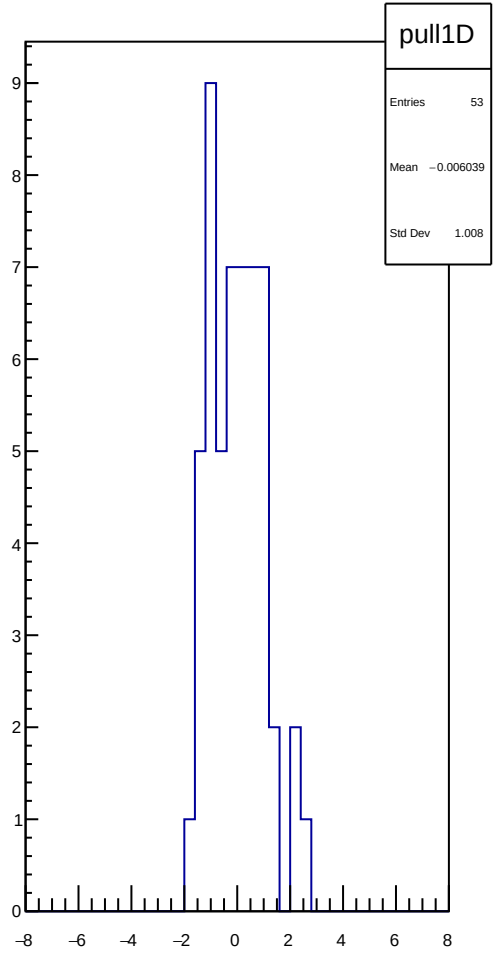

cor_sam5_rms vs run
χ² / ndf 5339 / 52
p0 1407 ± 1.378
1650
1600
1550
1500
1450
1400
1350
1300
1250
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

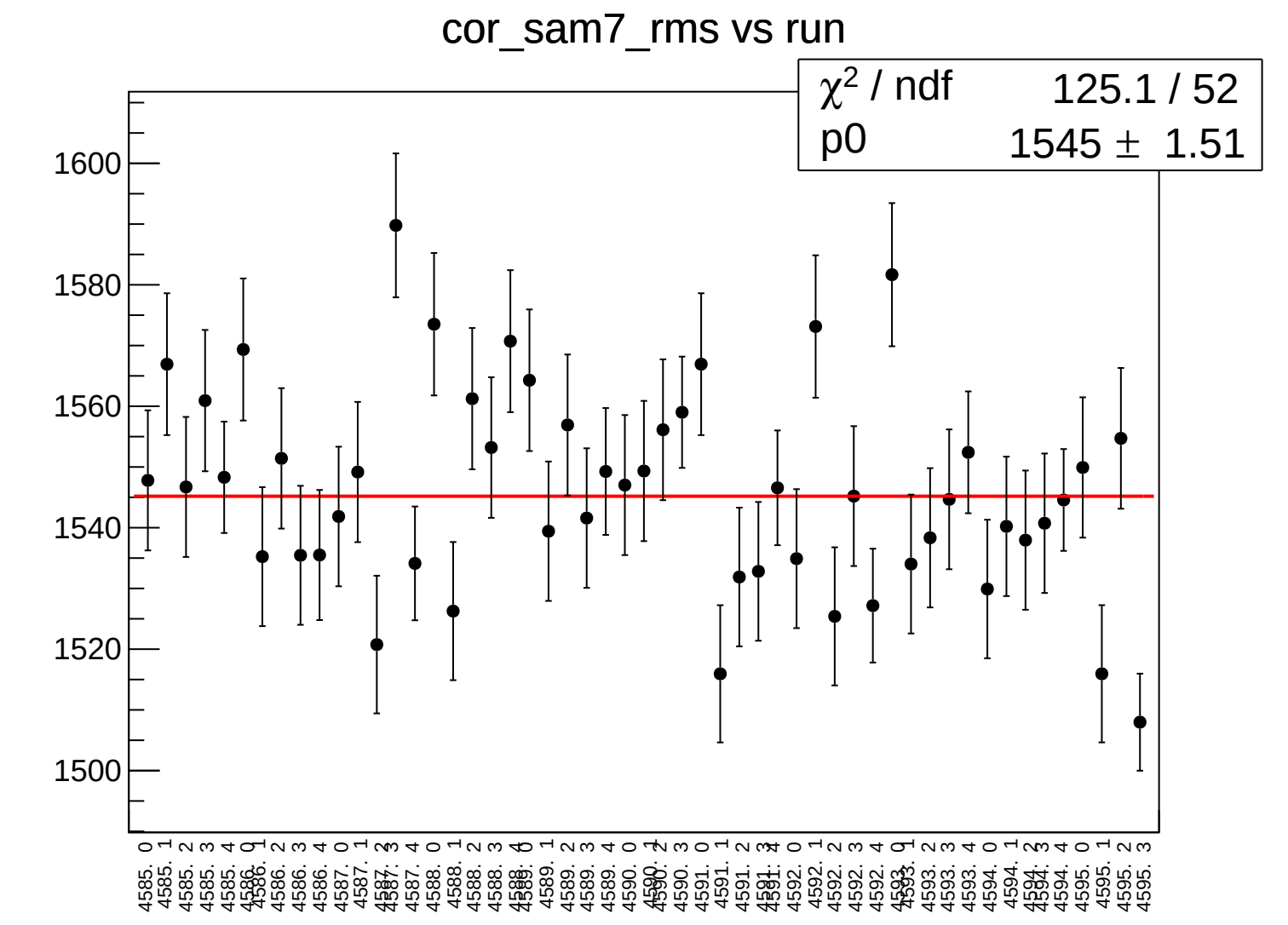

cor_sam6_mean vs run
×10^3
χ² / ndf 55.49 / 52
p0 6180 ± 3064
pull
Entries 53
Mean 23.43
Std Dev 47.24

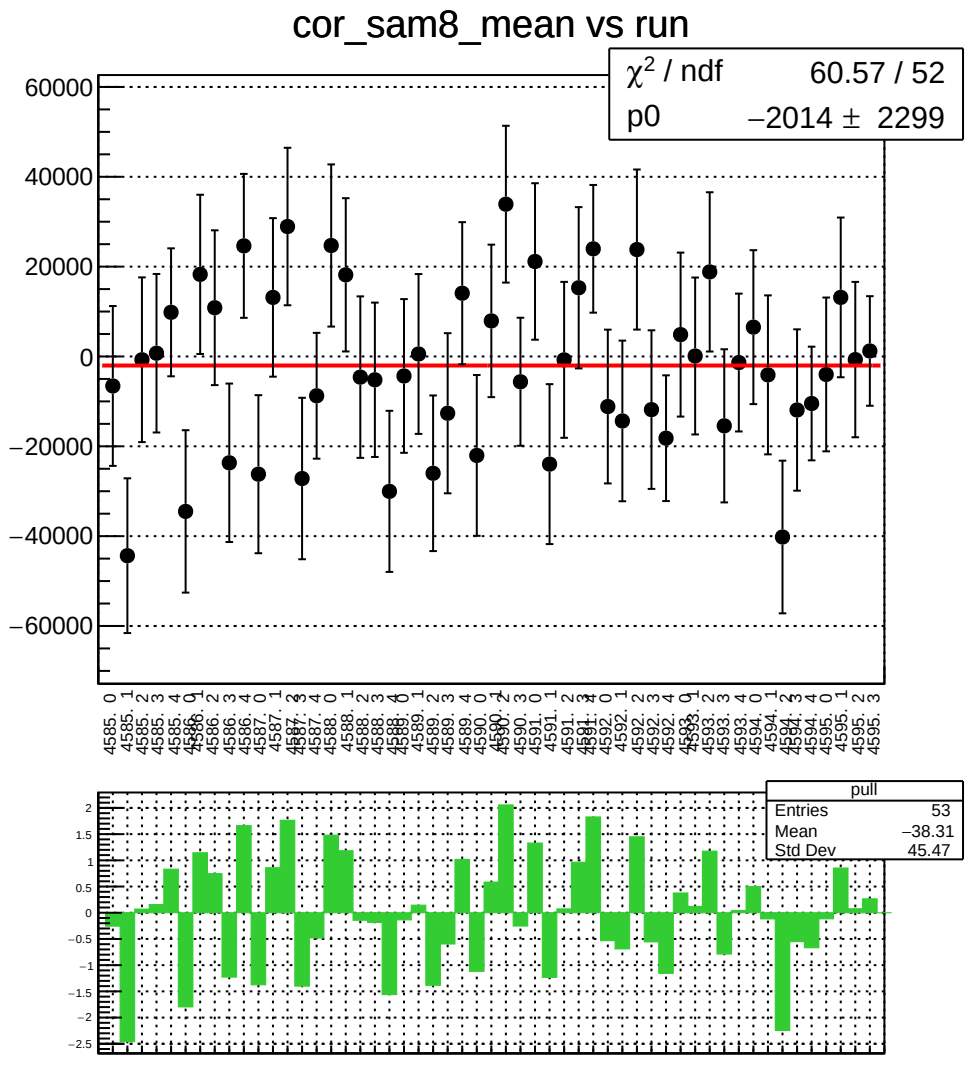

pull1D
Entries 53
Mean 0.003272
Std Dev 1.023

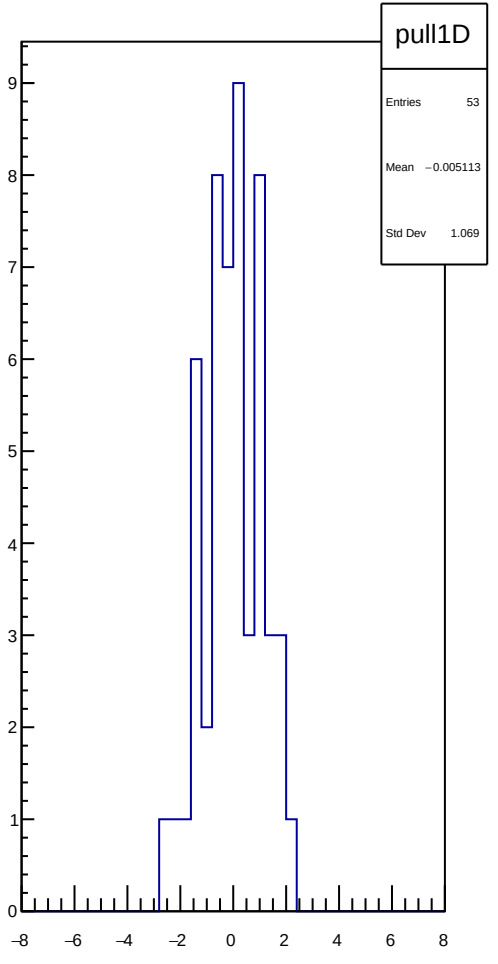

cor_sam6_rms vs run
χ² / ndf 1252 / 52
p0 2217 ± 2.167
2400
2350
2300
2250
2200
2150
2100
2050
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

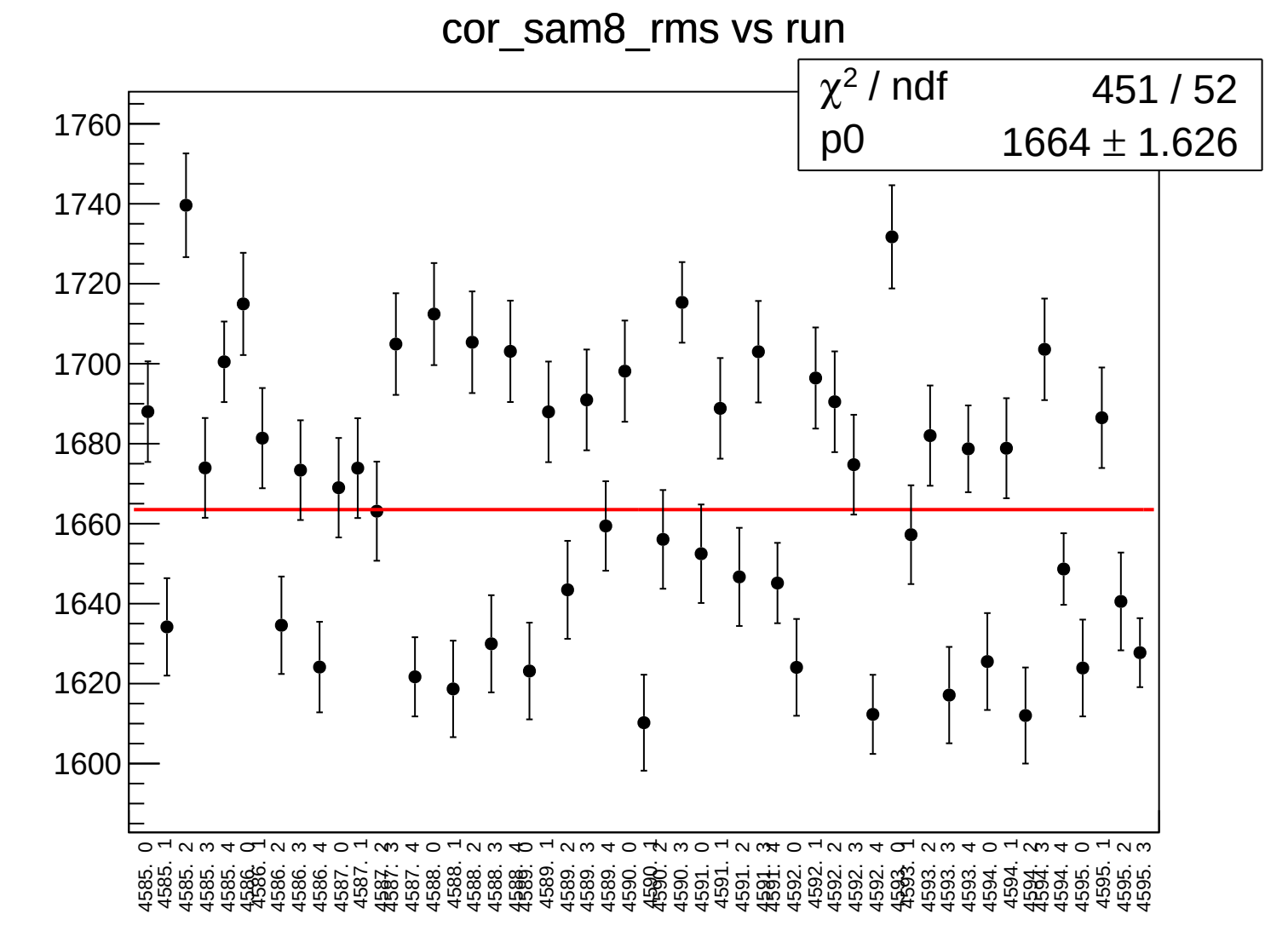

cor_sam7_mean vs run
χ² / ndf 53.82 / 52
p0 1966 ± 2135
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −27
Std Dev 28.54
2
1
0
−1
−2

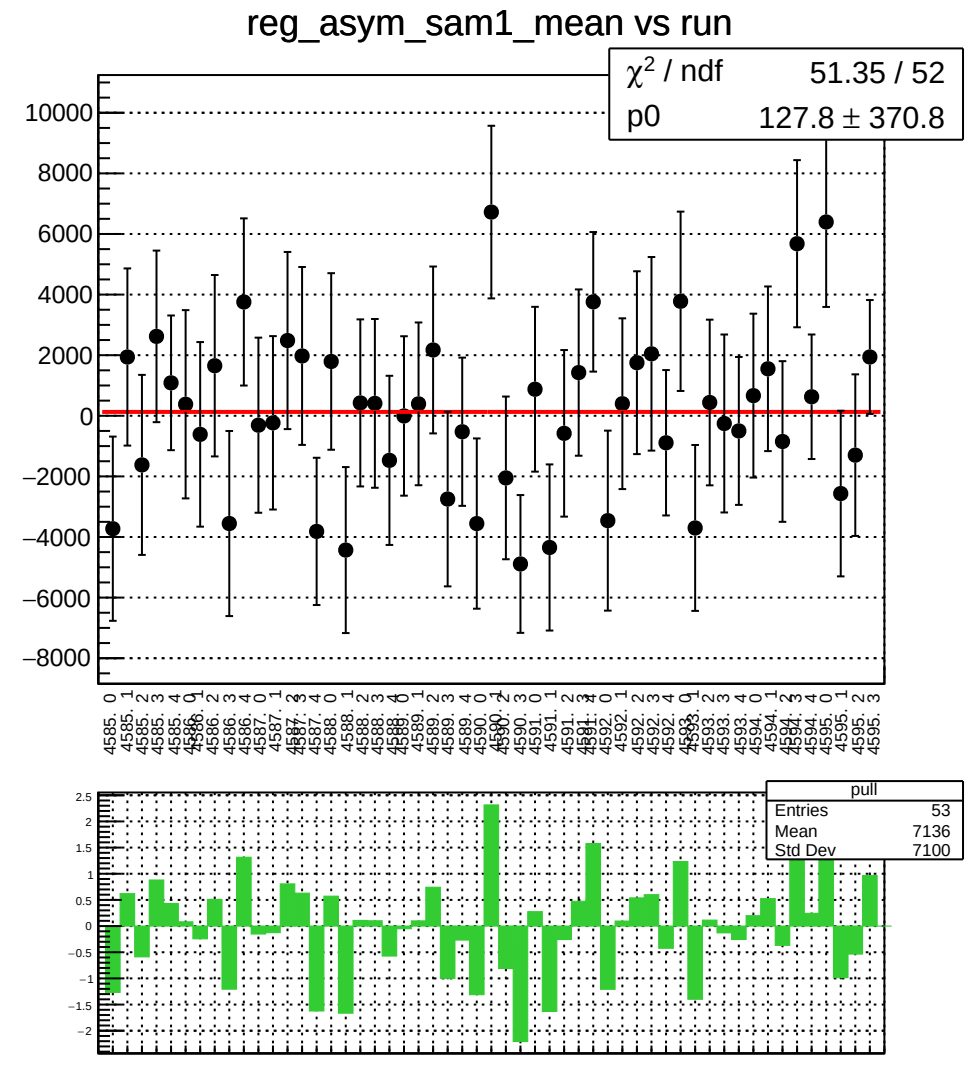

pull1D
Entries 53
Mean −0.006039
Std Dev 1.008
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

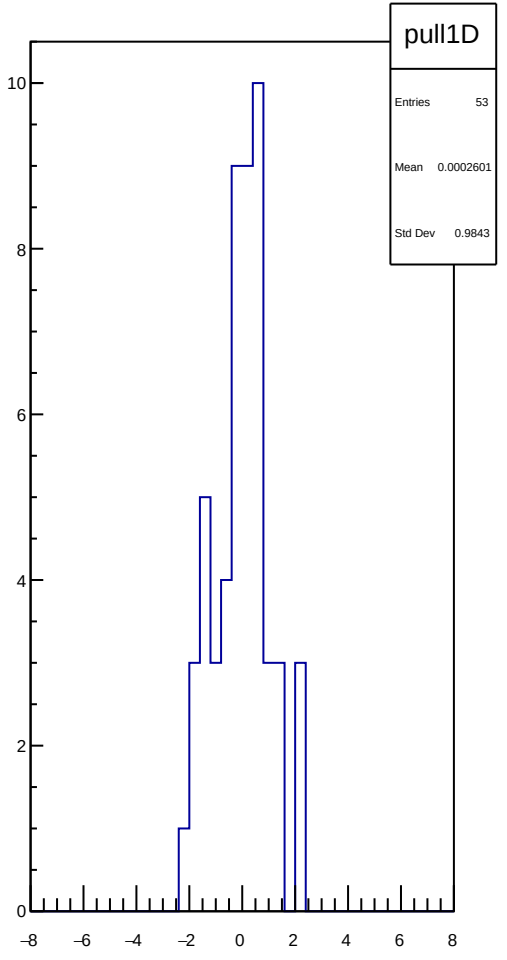

cor_sam7_rms vs run
χ² / ndf 125.1 / 52
p0 1545 ± 1.51
1600
1580
1560
1540
1520
1500
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

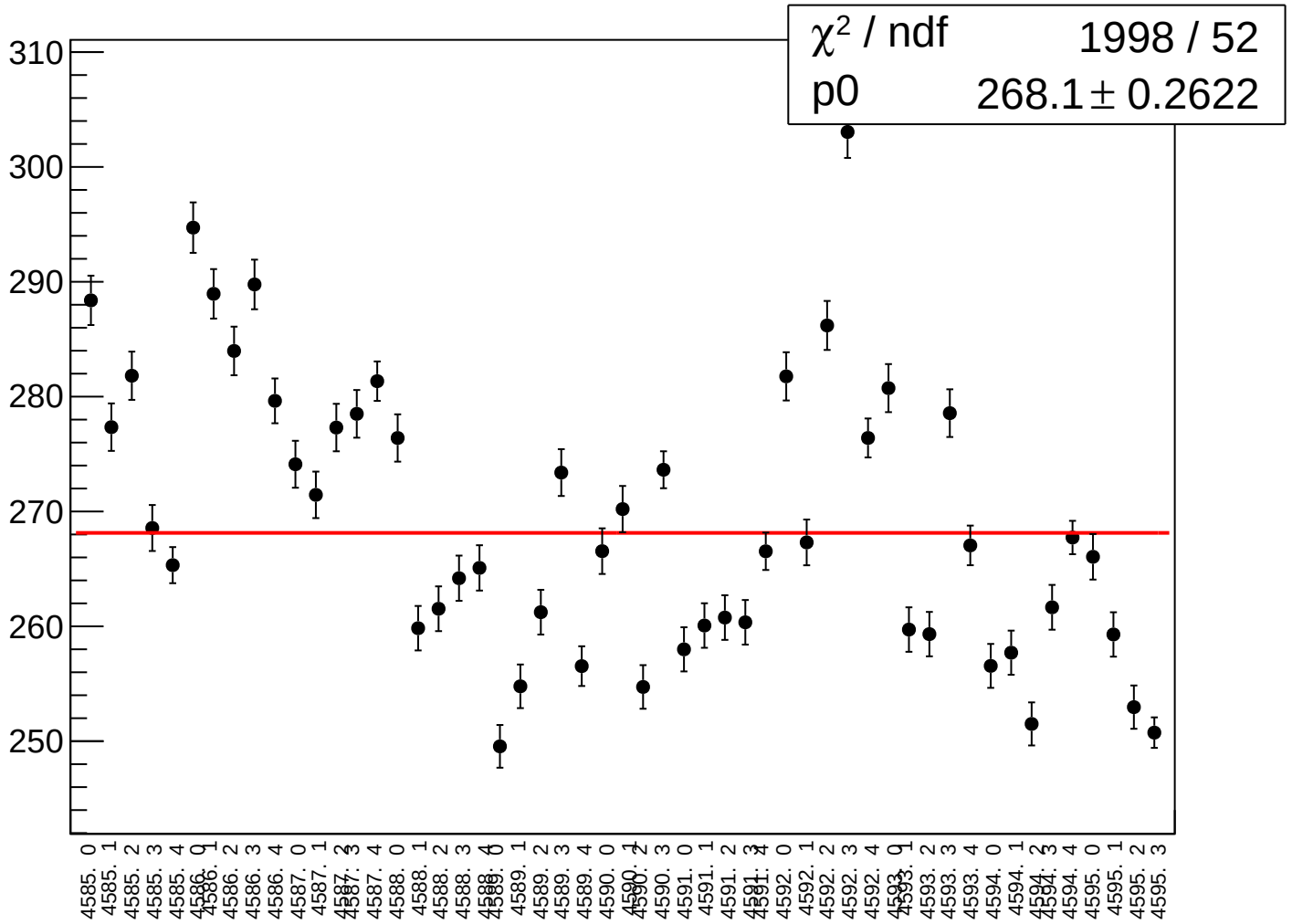

cor_sam8_mean vs run
χ² / ndf 60.57 / 52
p0 −2014 ± 2299
pull
Entries 53
Mean −38.31
Std Dev 45.47

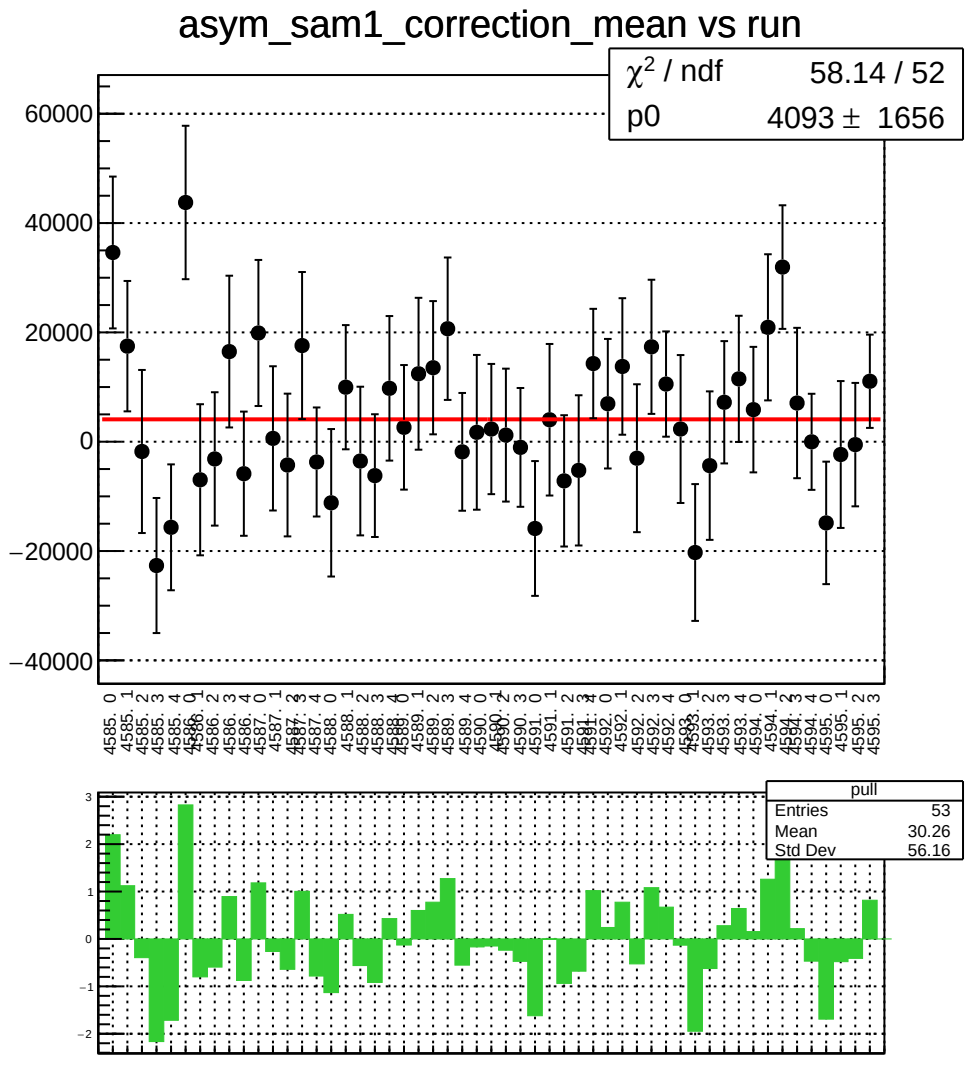

pull1D
Entries 53
Mean −0.005113
Std Dev 1.069

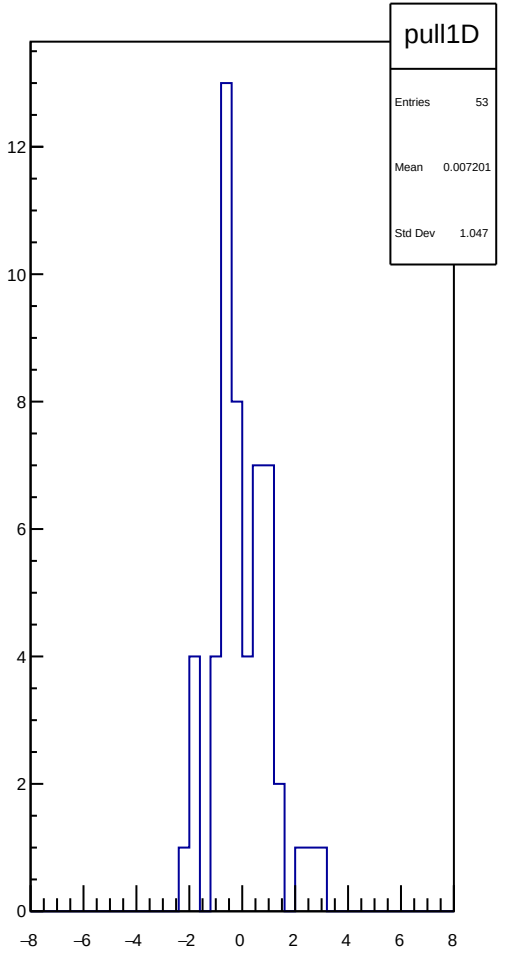

cor_sam8_rms vs run
χ² / ndf 451 / 52
p0 1664 ± 1.626
1760
1740
1720
1700
1680
1660
1640
1620
1600

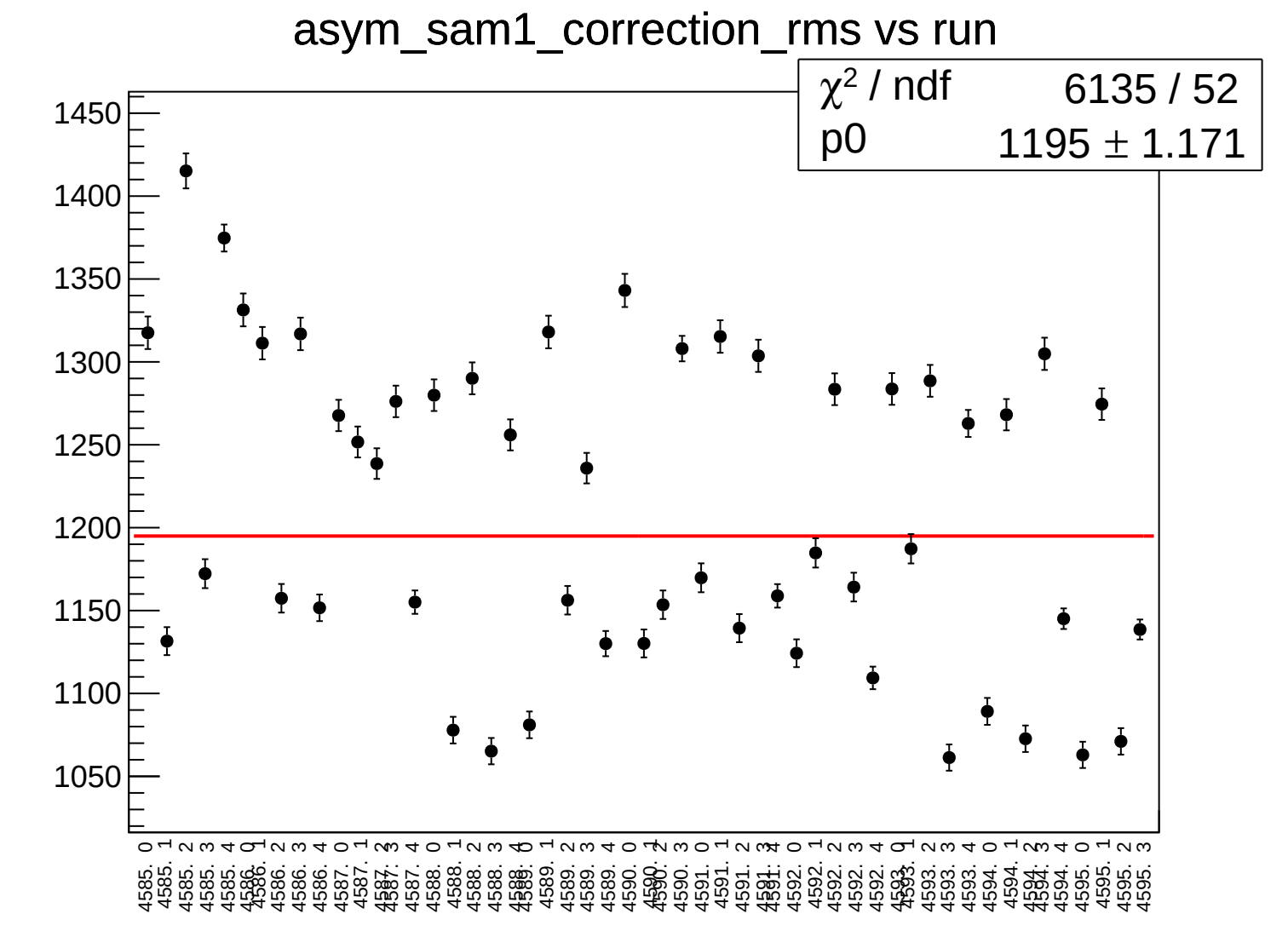

reg_asym_sam1_mean vs run
χ^2 / ndf 51.35 / 52
p0 127.8 ± 370.8
pull
Entries 53
Mean 7136
Std Dev 7100

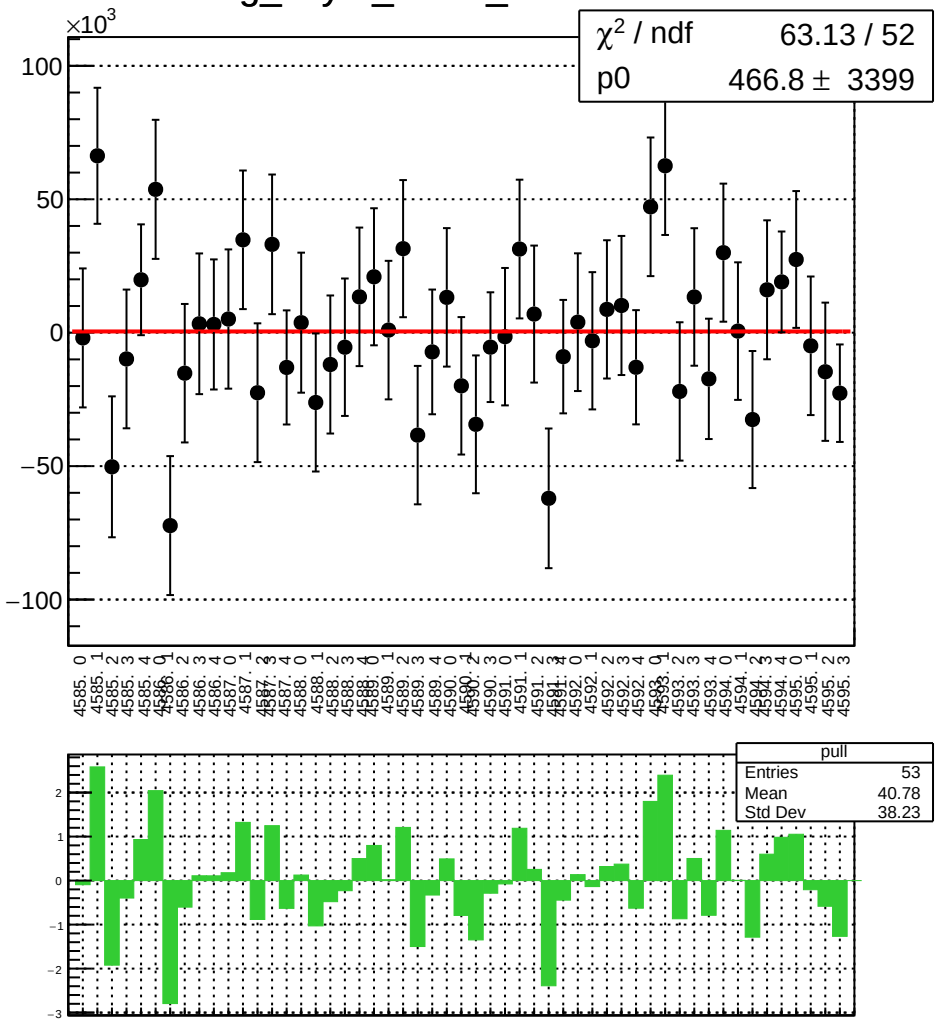

pull1D
Entries 53
Mean 0.0002601
Std Dev 0.9843

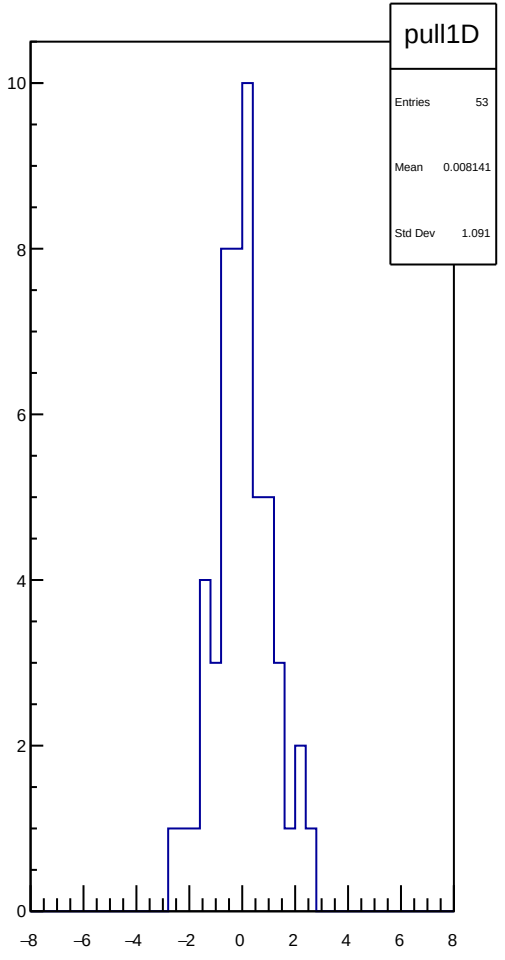

reg_asym_sam1_rms vs run
χ² / ndf 1998 / 52
p0 268.1 ± 0.2622
310
300
290
280
270
260
250
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

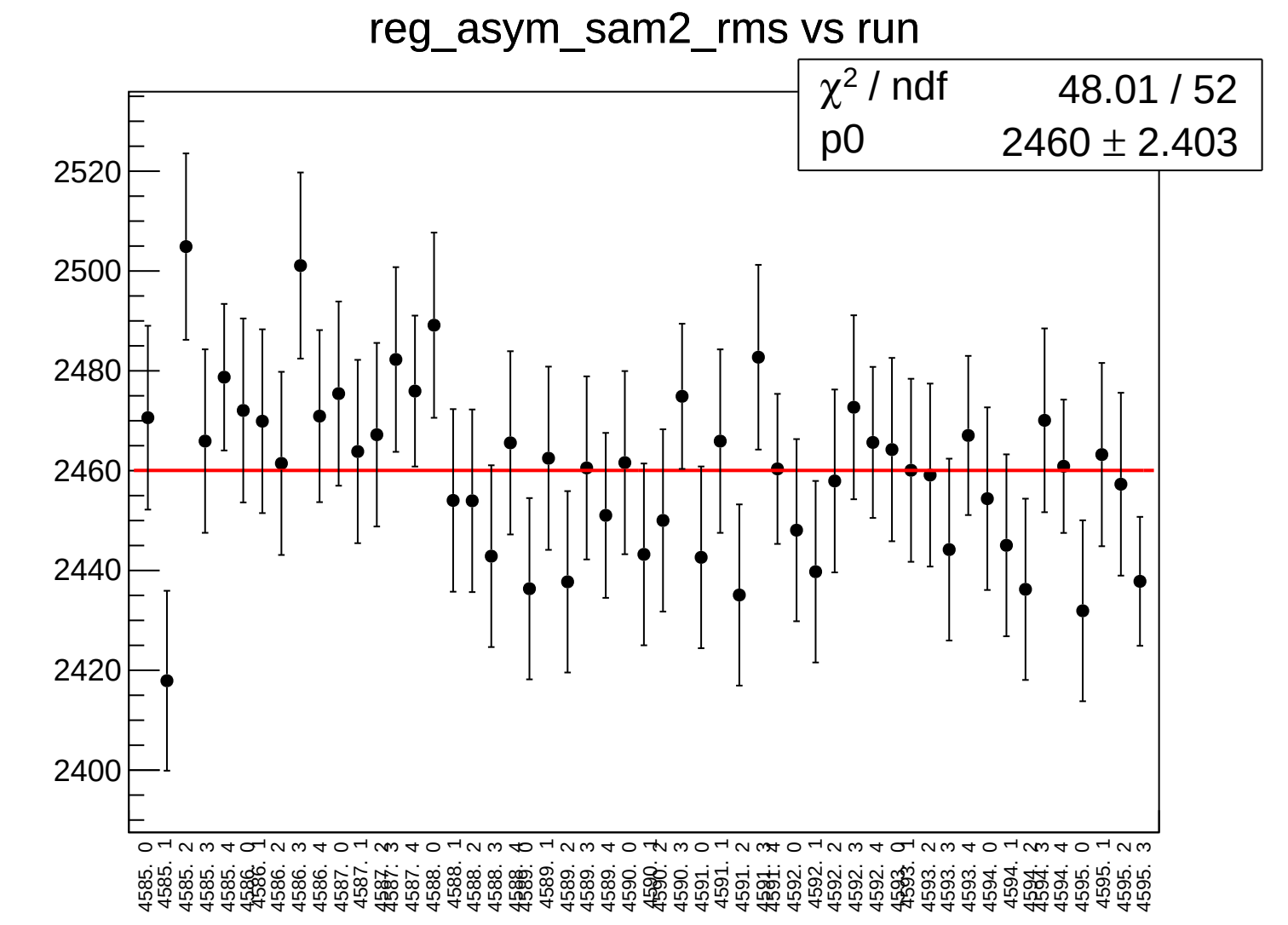

asym_sam1_correction_mean vs run
χ² / ndf 58.14 / 52
p0 4093 ± 1656
pull
Entries 53
Mean 30.26
Std Dev 56.16

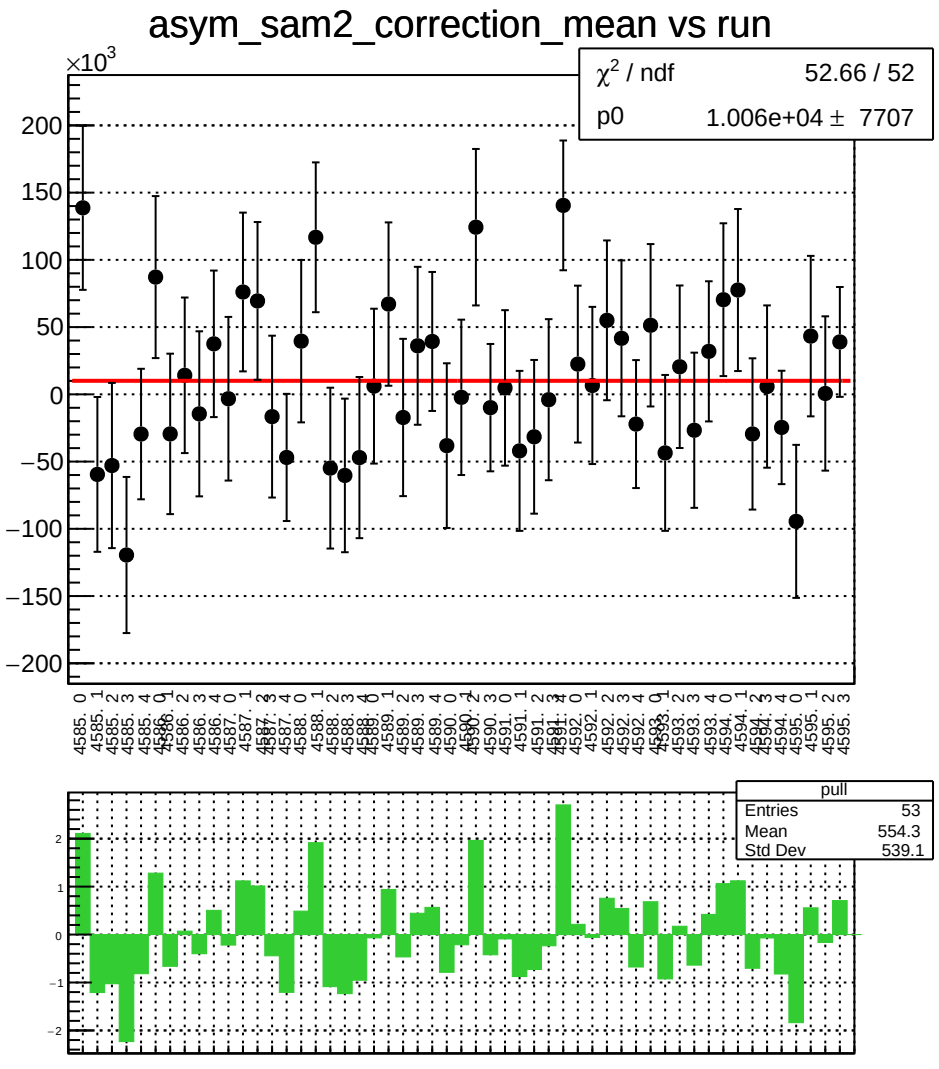

pull1D
Entries 53
Mean 0.007201
Std Dev 1.047

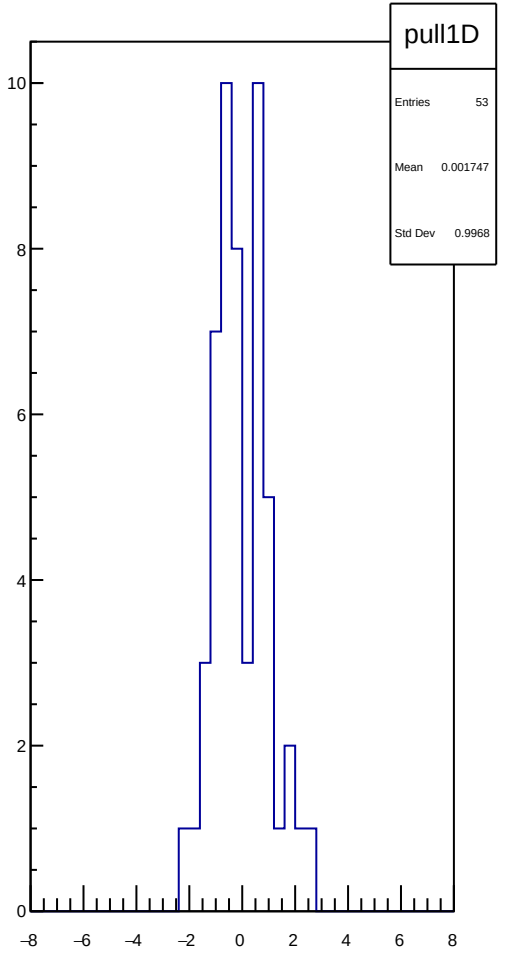

asym_sam1_correction_rms vs run
χ² / ndf 6135 / 52
p0 1195 ± 1.171
1450
1400
1350
1300
1250
1200
1150
1100
1050
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

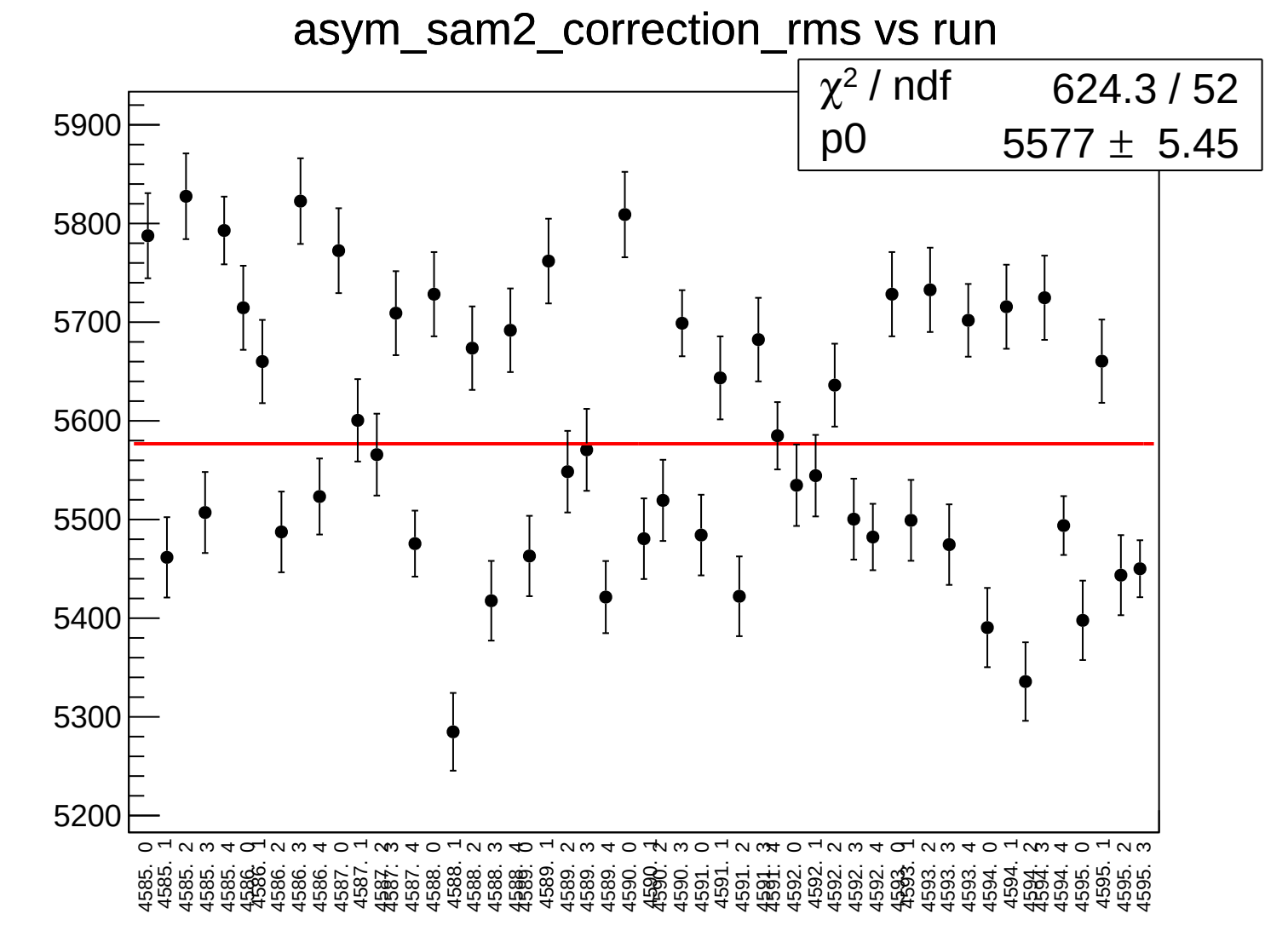

reg_asym_sam2_mean vs run
×10^3
χ² / ndf 63.13 / 52
p0 466.8 ± 3399
100
50
0
−50
−100
pull
Entries 53
Mean 40.78
Std Dev 38.23
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean 0.008141
Std Dev 1.091
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam2_rms vs run
χ² / ndf 48.01 / 52
p0 2460 ± 2.403
2520
2500
2480
2460
2440
2420
2400
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_sam2_correction_mean vs run
×10^3
χ² / ndf 52.66 / 52
p0 1.006e+04 ± 7707
pull
Entries 53
Mean 554.3
Std Dev 539.1


pull1D
Entries 53
Mean 0.001747
Std Dev 0.9968


asym_sam2_correction_rms vs run
χ² / ndf 624.3 / 52
p0 5577 ± 5.45
5900
5800
5700
5600
5500
5400
5300
5200
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
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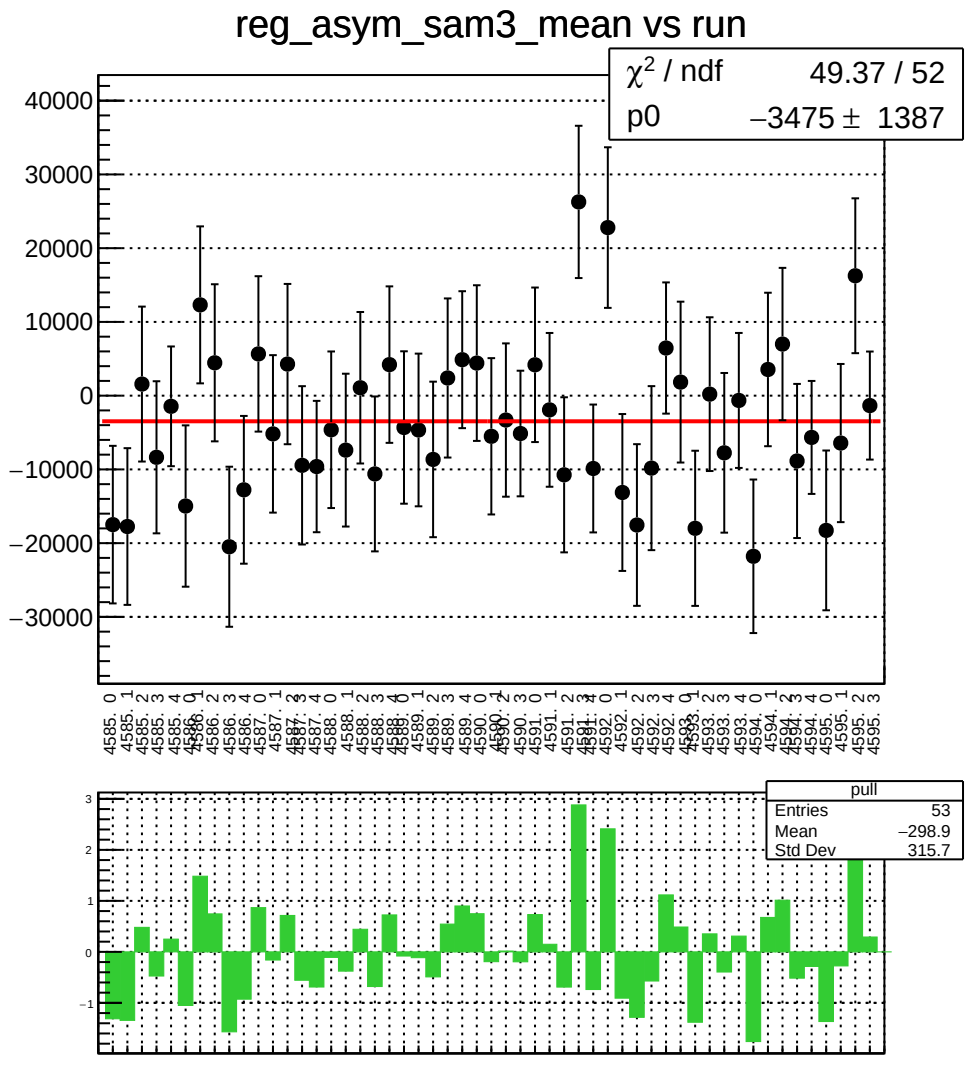
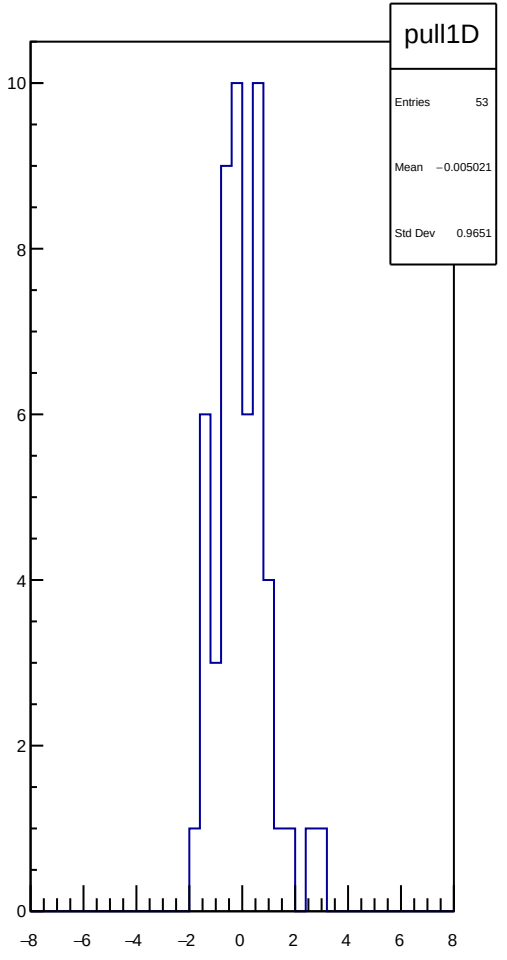
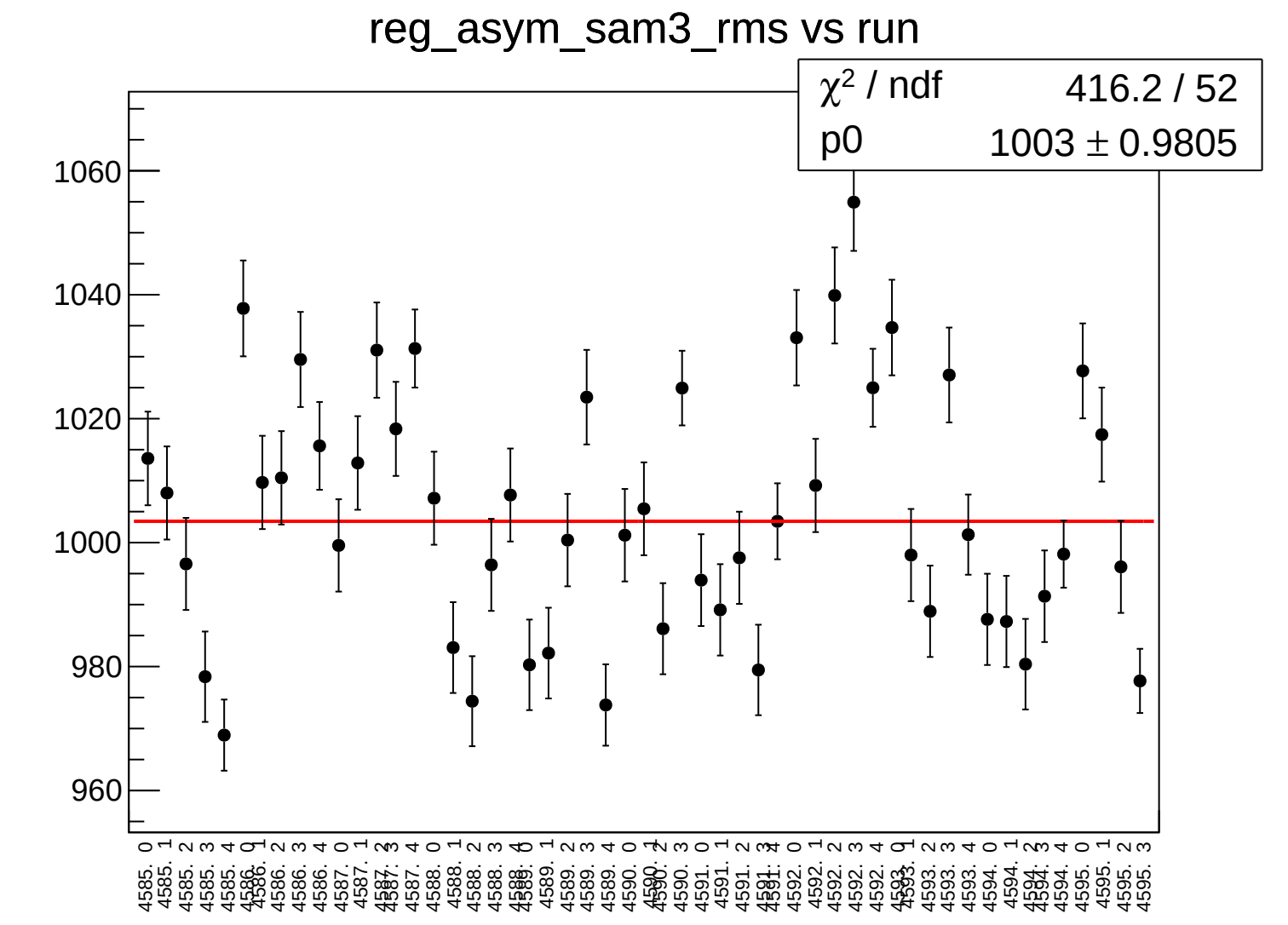
4595. 2
4595. 3


reg_asym_sam3_mean vs run
χ² / ndf 49.37 / 52
p0 −3475 ± 1387
pull
Entries 53
Mean −298.9
Std Dev 315.7


pull1D
Entries 53
Mean −0.005021
Std Dev 0.9651


reg_asym_sam3_rms vs run
χ² / ndf 416.2 / 52
p0 1003 ± 0.9805
1060
1040
1020
1000
980
960
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
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4591. 4
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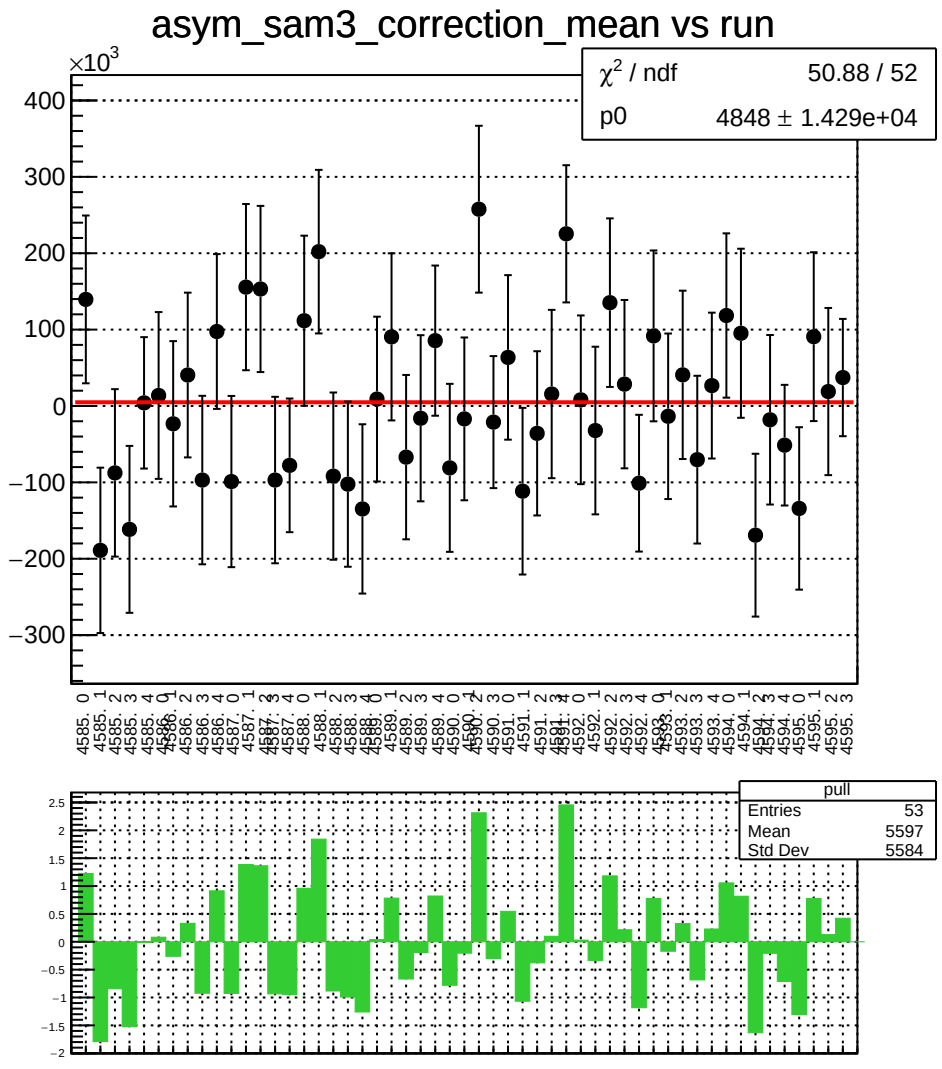
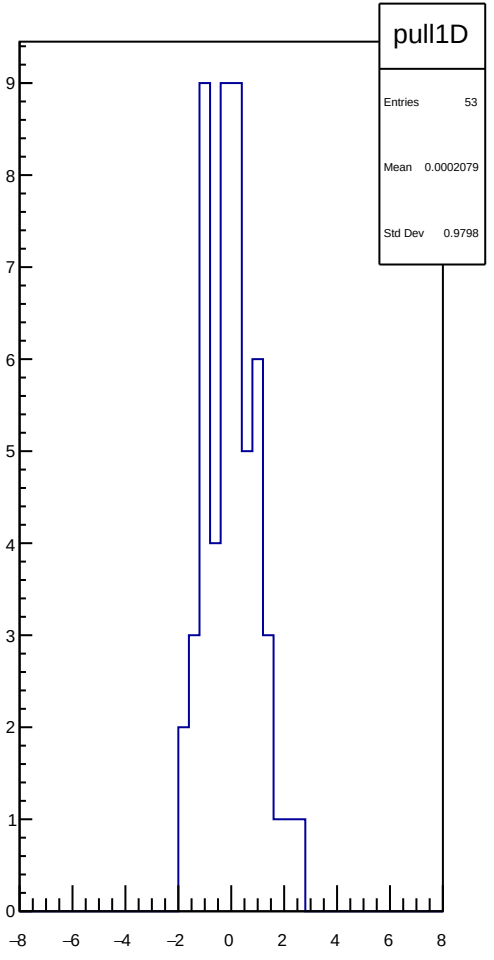
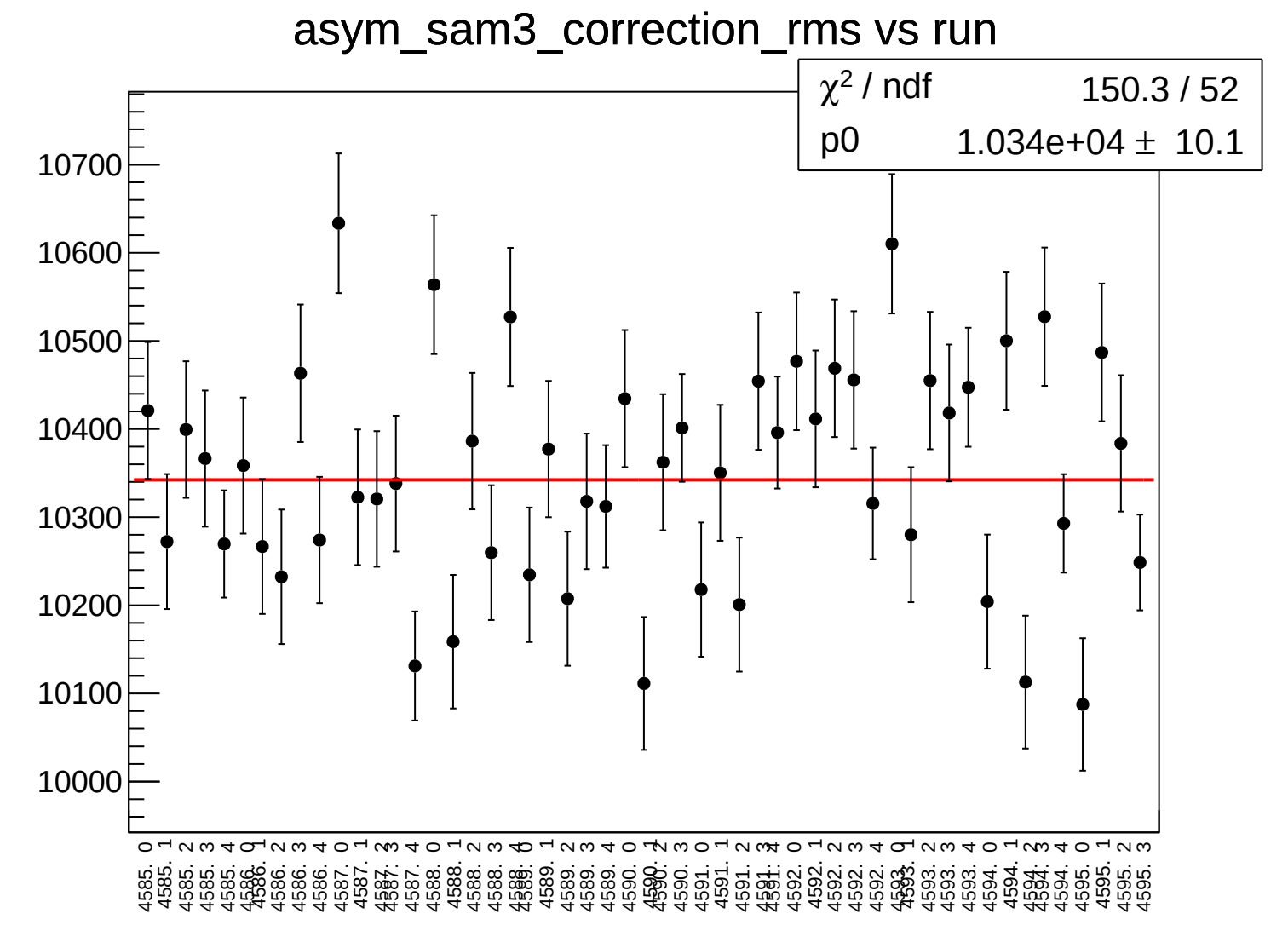
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_sam3_correction_mean vs run
×10^3
χ² / ndf 50.88 / 52
p0 4848 ± 1.429e+04
pull
Entries 53
Mean 5597
Std Dev 5584


pull1D
Entries 53
Mean 0.0002079
Std Dev 0.9798


asym_sam3_correction_rms vs run
χ² / ndf 150.3 / 52
p0 1.034e+04 ± 10.1
10700
10600
10500
10400
10300
10200
10100
10000
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
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4591. 2
4591. 3
4591. 4
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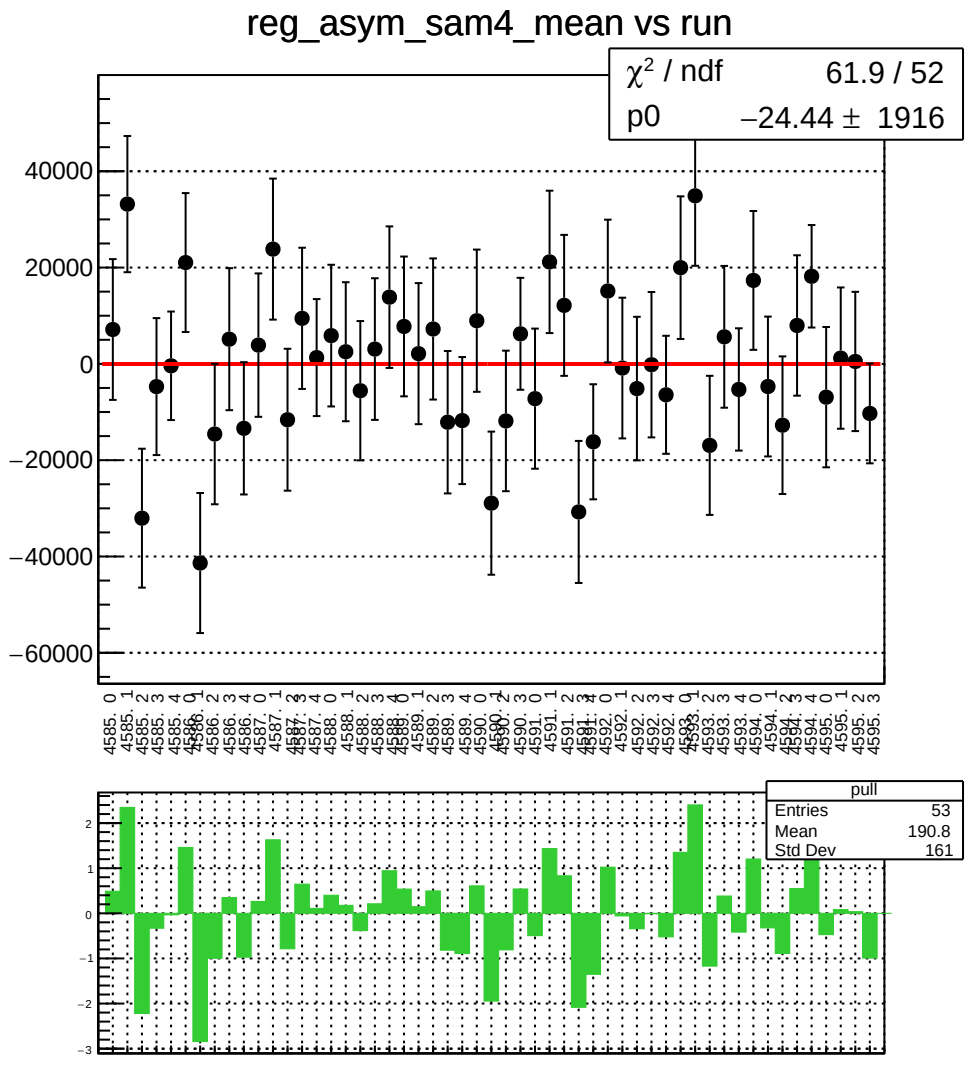
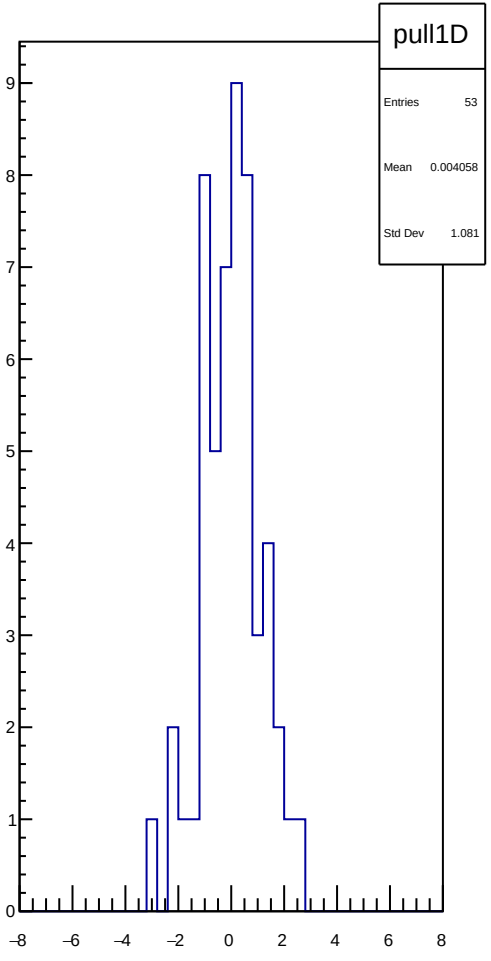
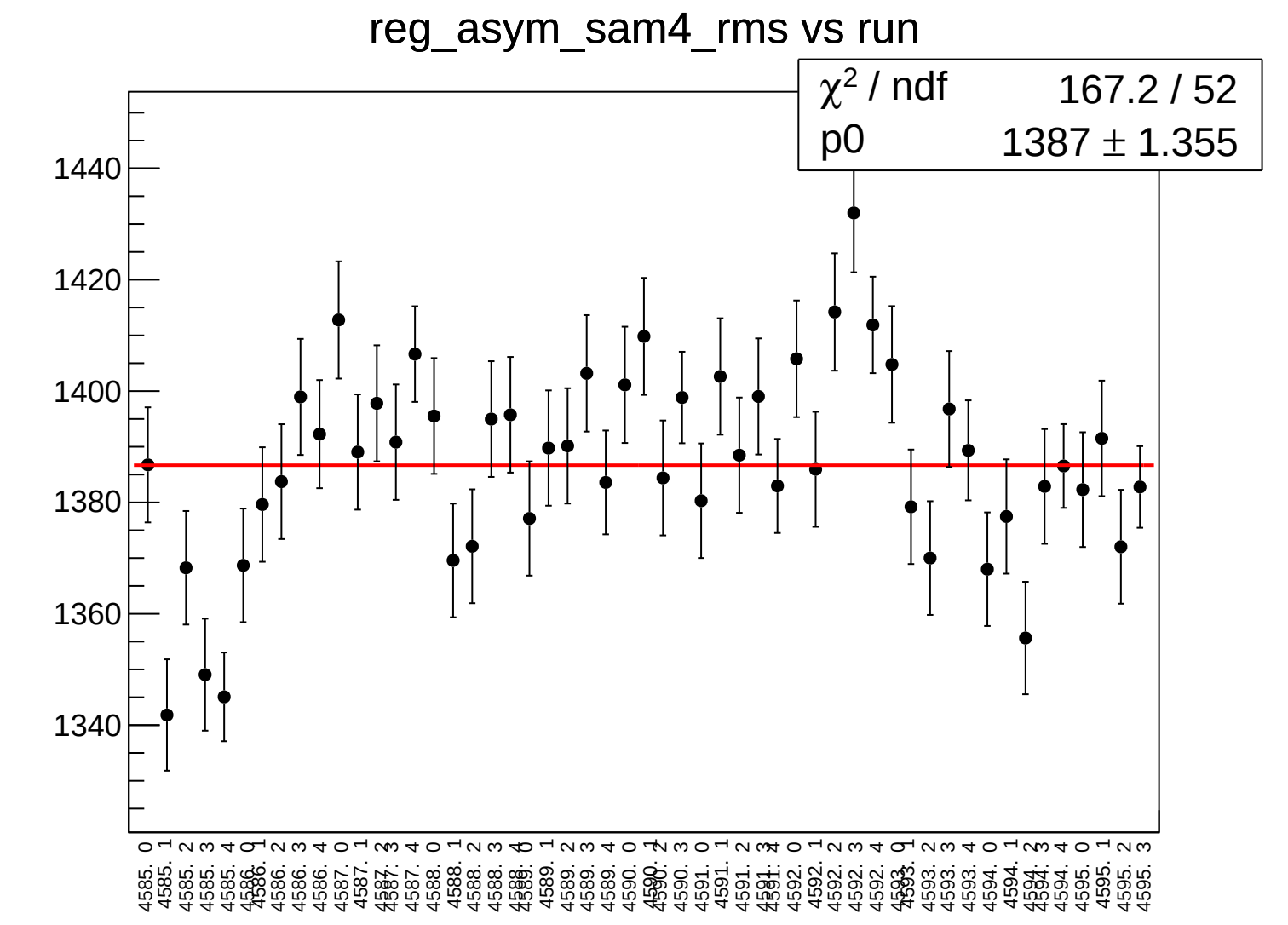
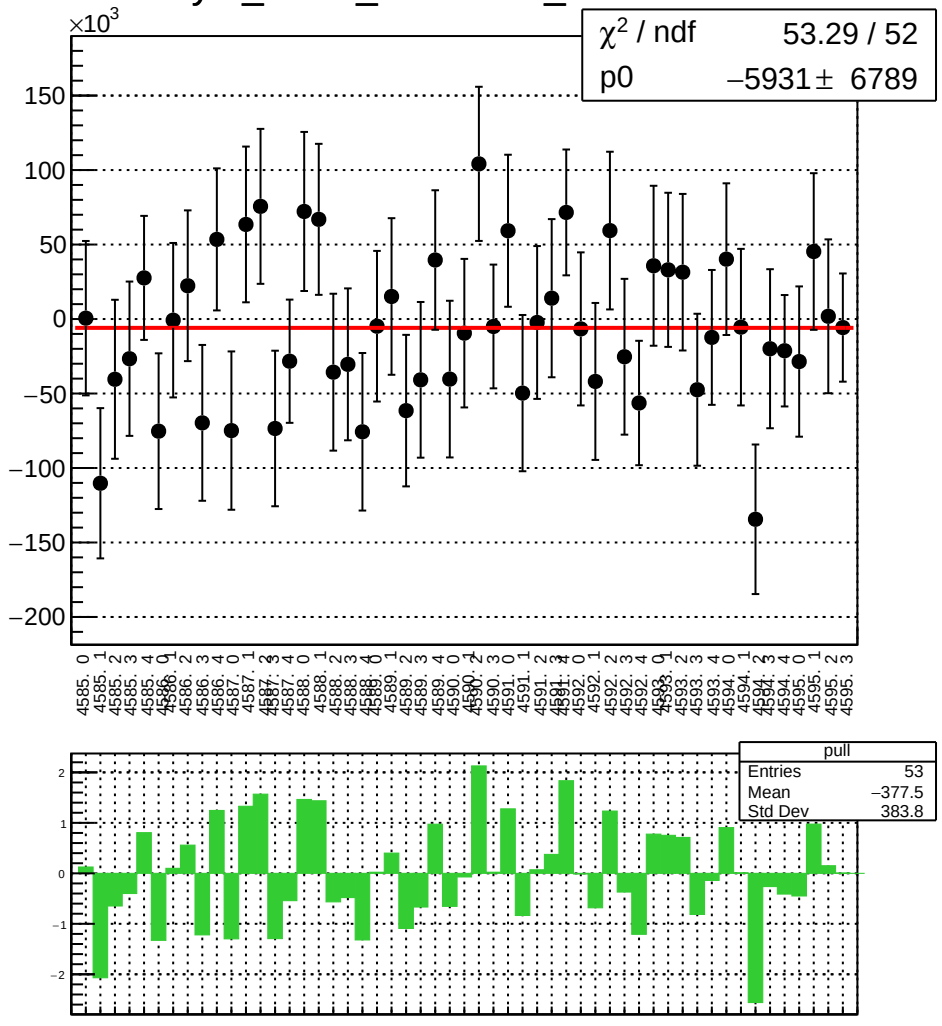
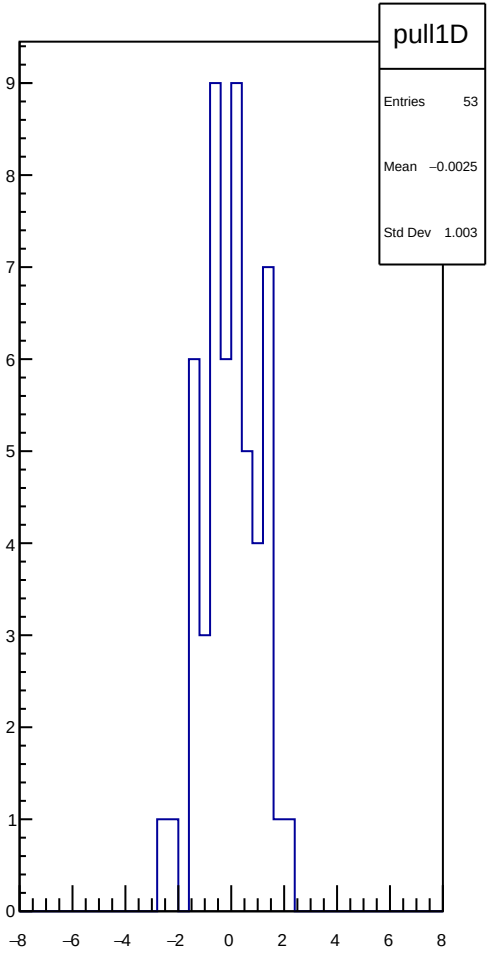
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

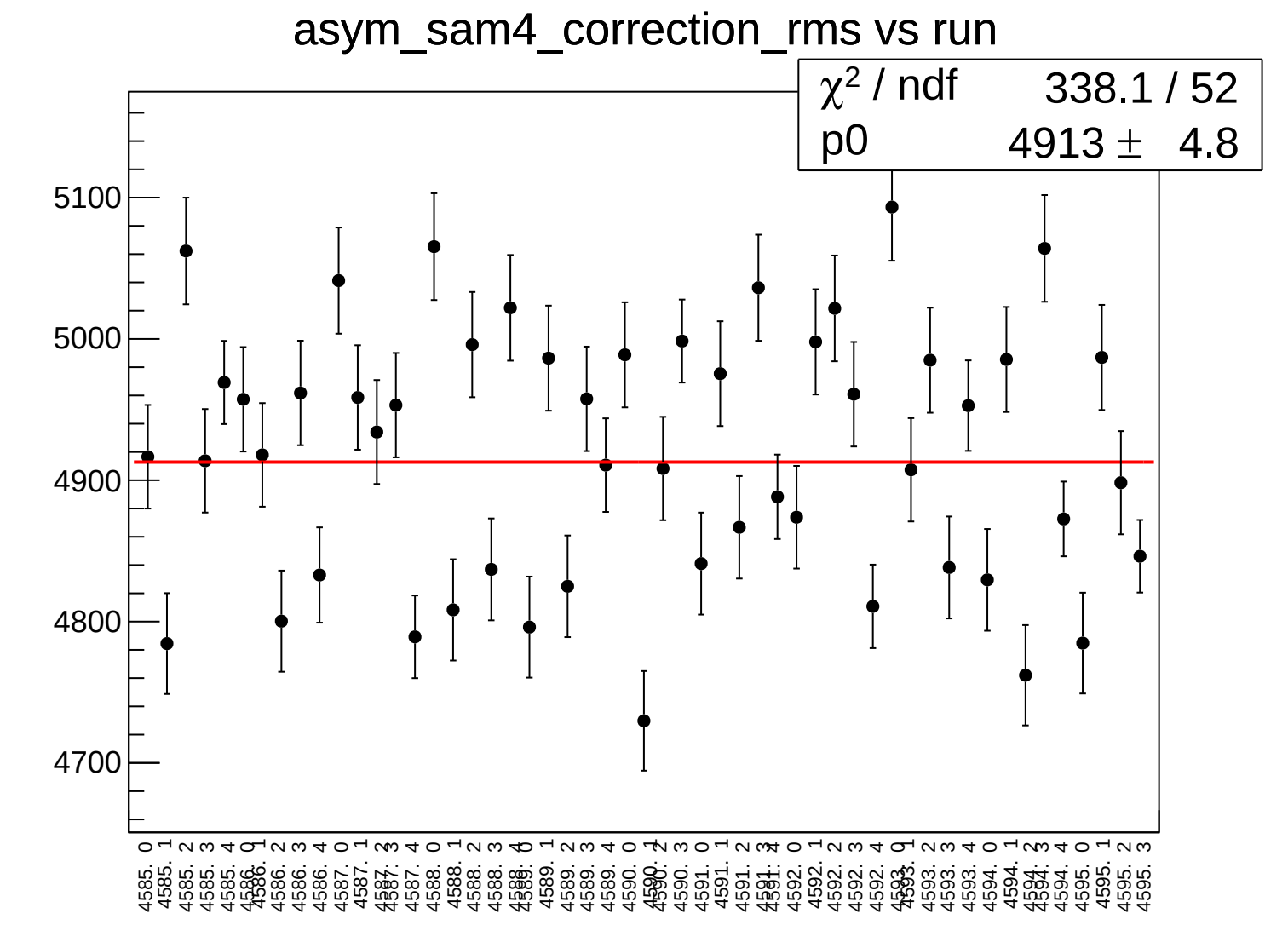

reg_asym_sam4_mean vs run
χ² / ndf 61.9 / 52
p0 −24.44 ± 1916
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 190.8
Std Dev 161
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean 0.004058
Std Dev 1.081
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam4_rms vs run
χ² / ndf 167.2 / 52
p0 1387 ± 1.355
1440
1420
1400
1380
1360
1340
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_sam4_correction_mean vs run
χ² / ndf 53.29 / 52
p0 −5931 ± 6789
×10³
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −377.5
Std Dev 383.8
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.0025
Std Dev 1.003
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_correction_rms vs run
χ² / ndf 338.1 / 52
p0 4913 ± 4.8
5100
5000
4900
4800
4700
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
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4588. 3
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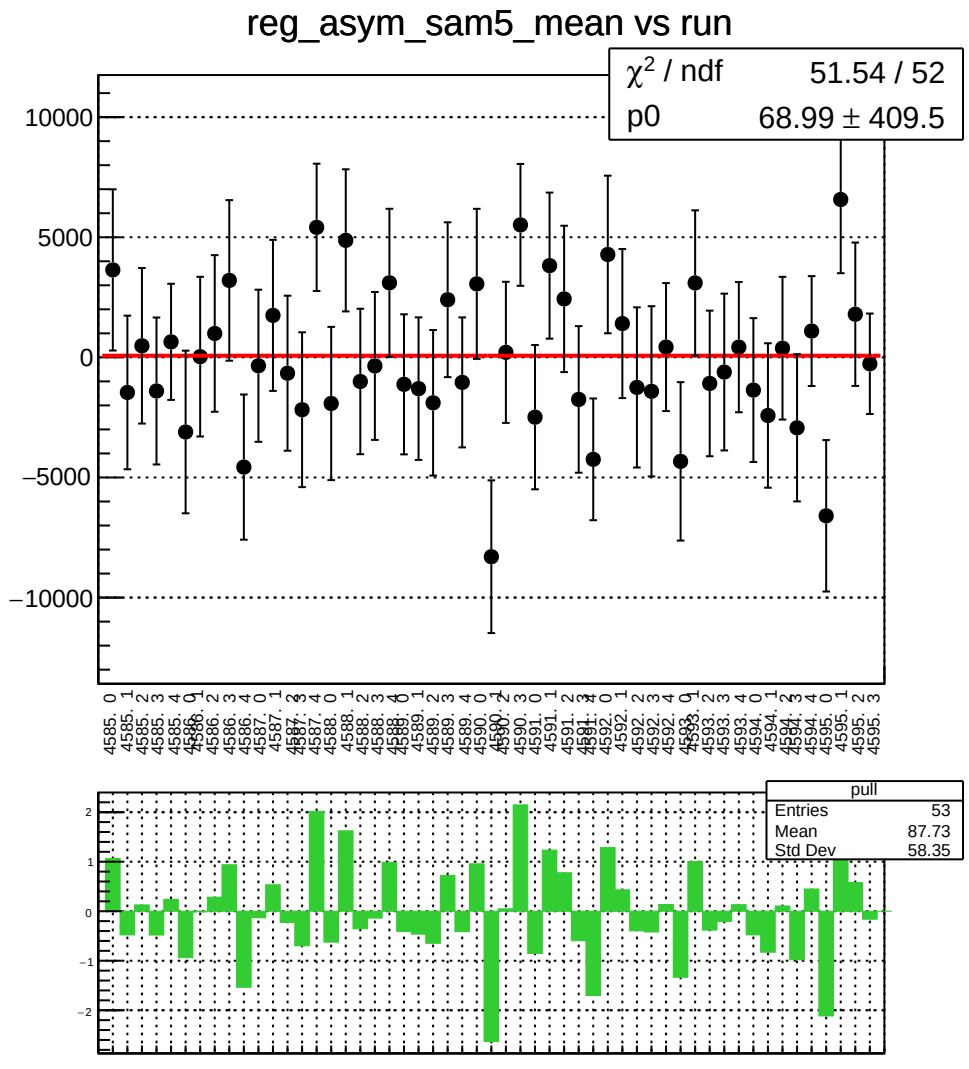
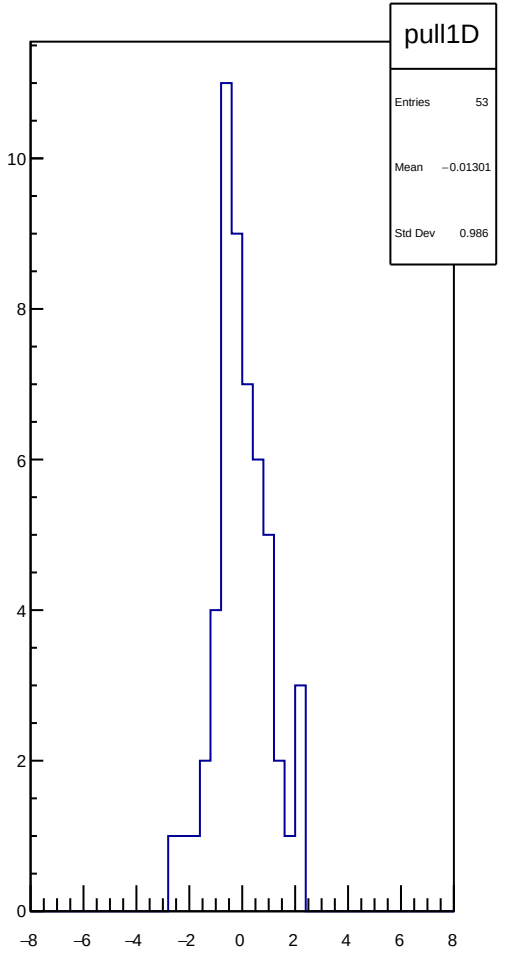
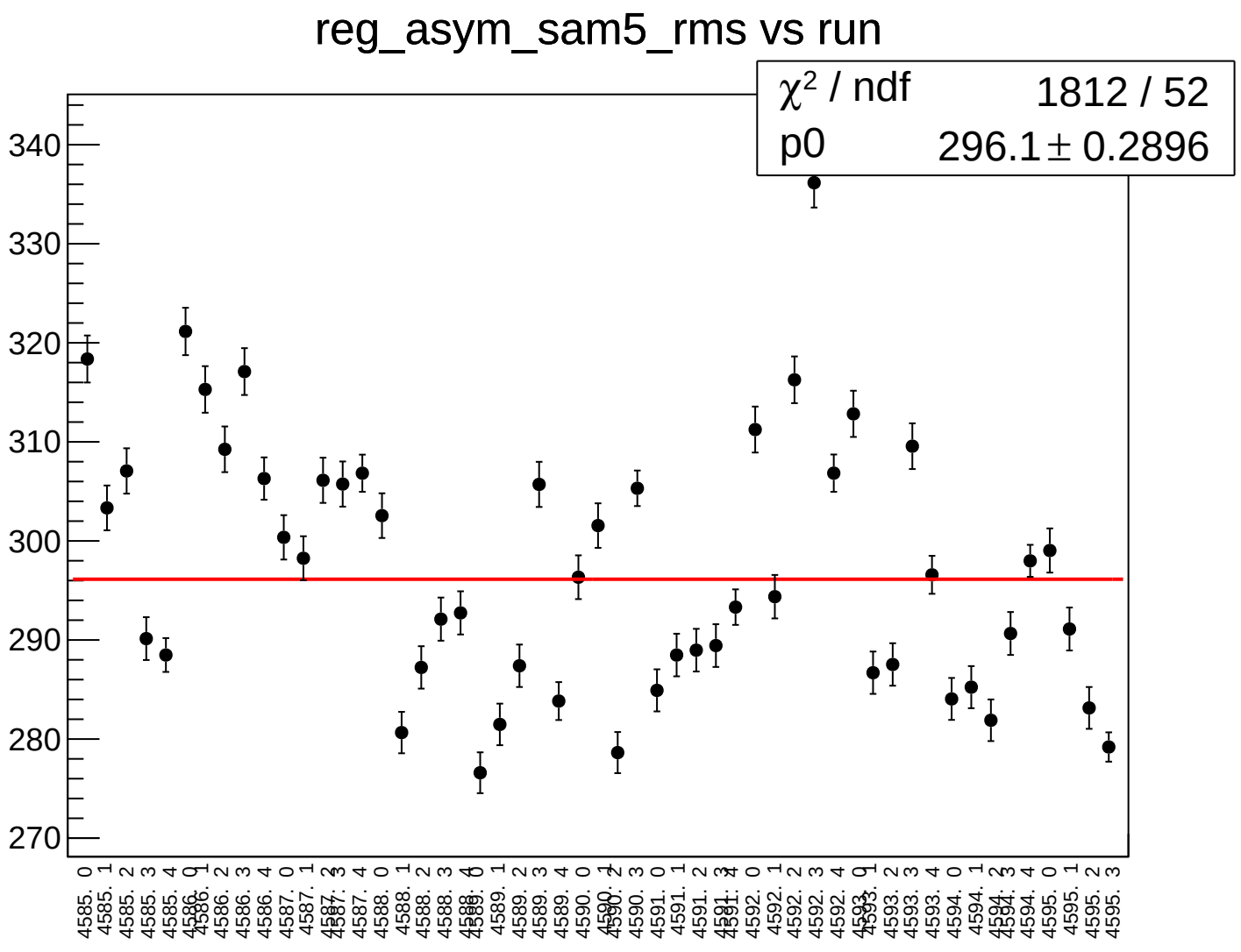
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


reg_asym_sam5_mean vs run
χ² / ndf 51.54 / 52
p0 68.99 ± 409.5
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 87.73
Std Dev 58.35
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01301
Std Dev 0.986
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam5_rms vs run
χ² / ndf 1812 / 52
p0 296.1 ± 0.2896
340
330
320
310
300
290
280
270
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
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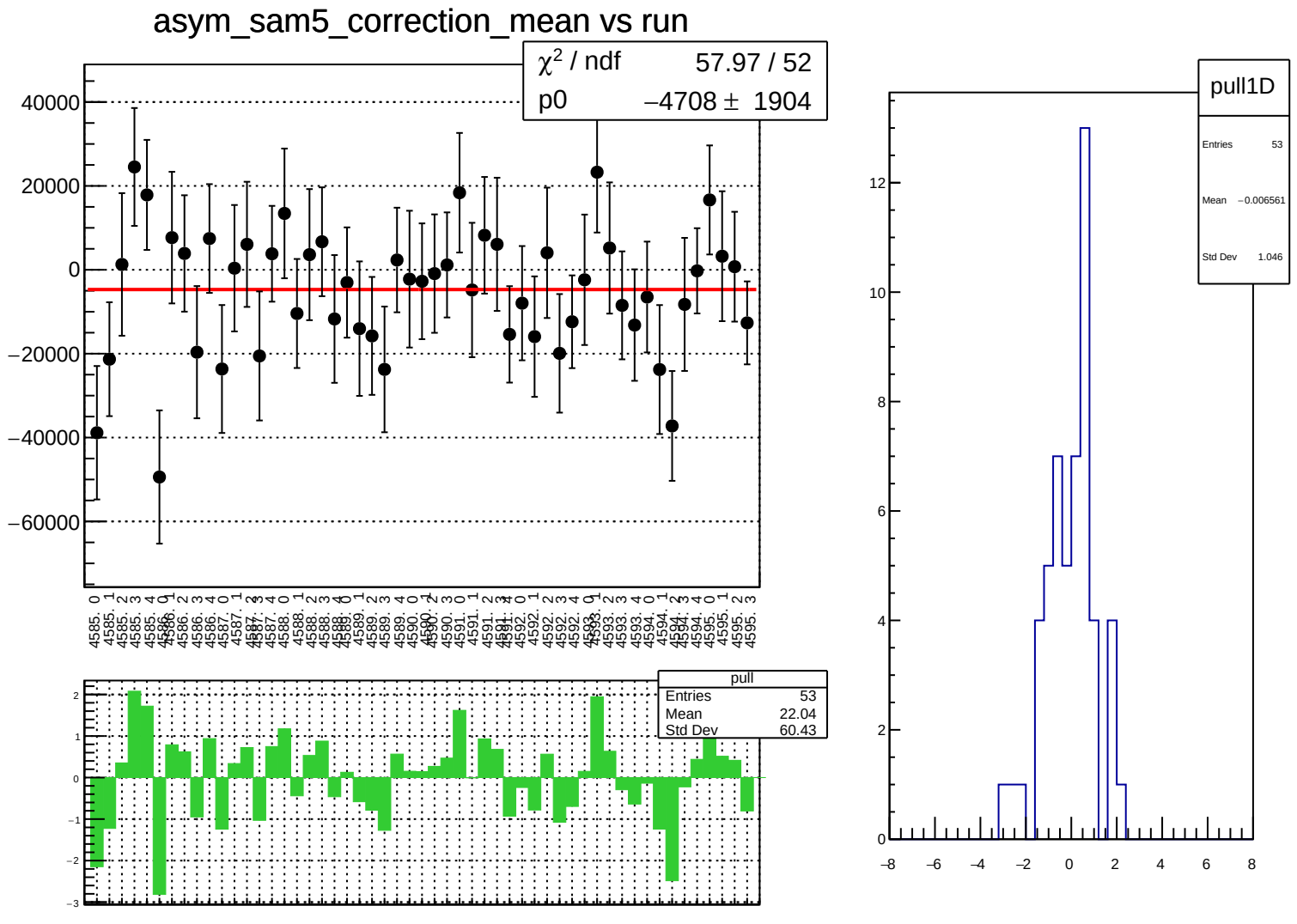
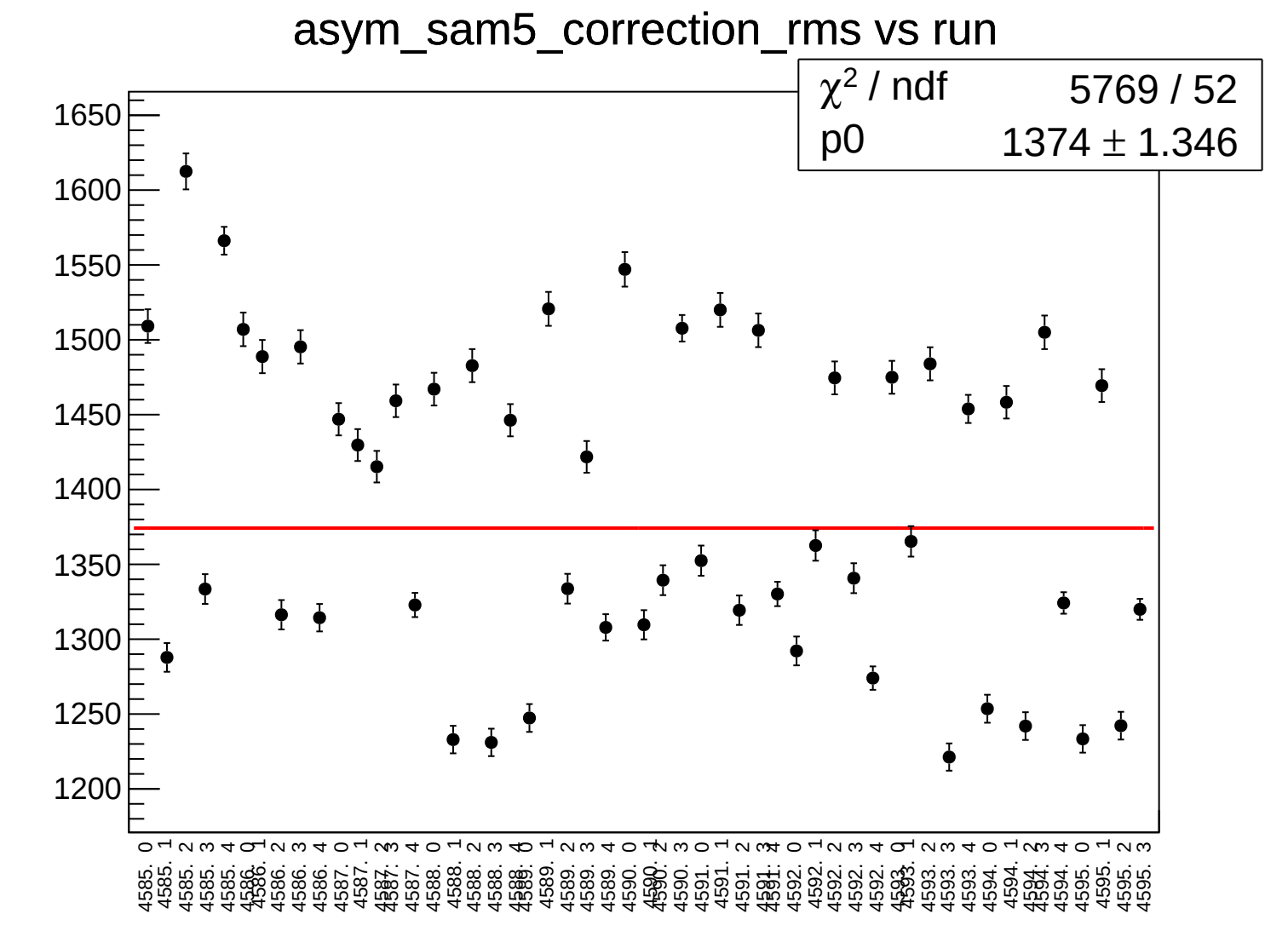
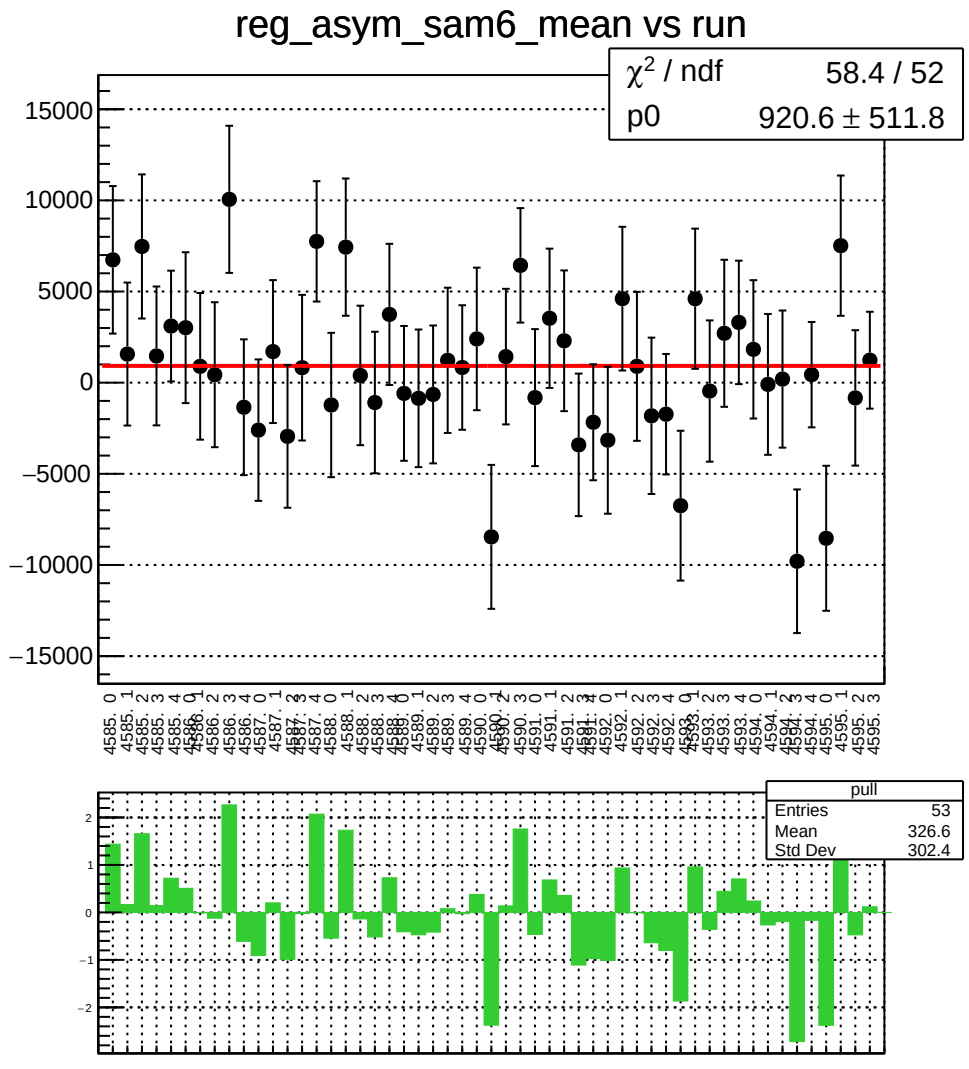
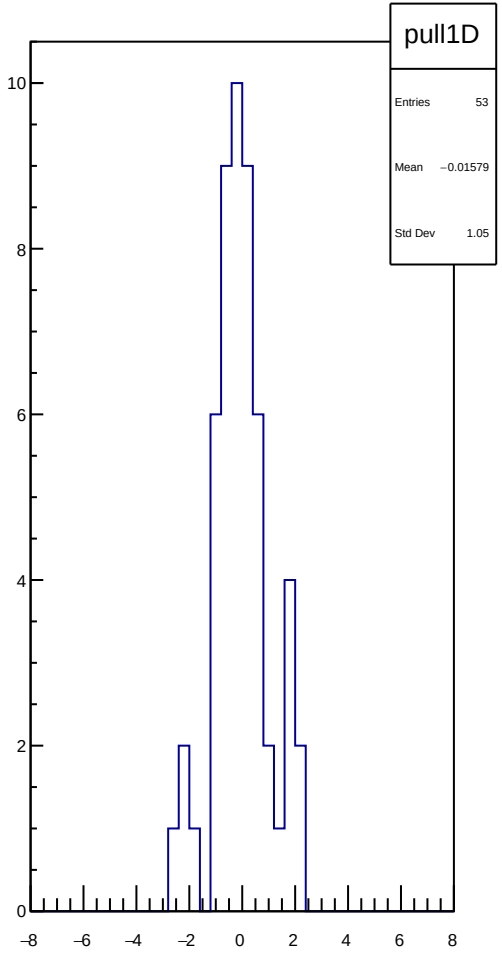
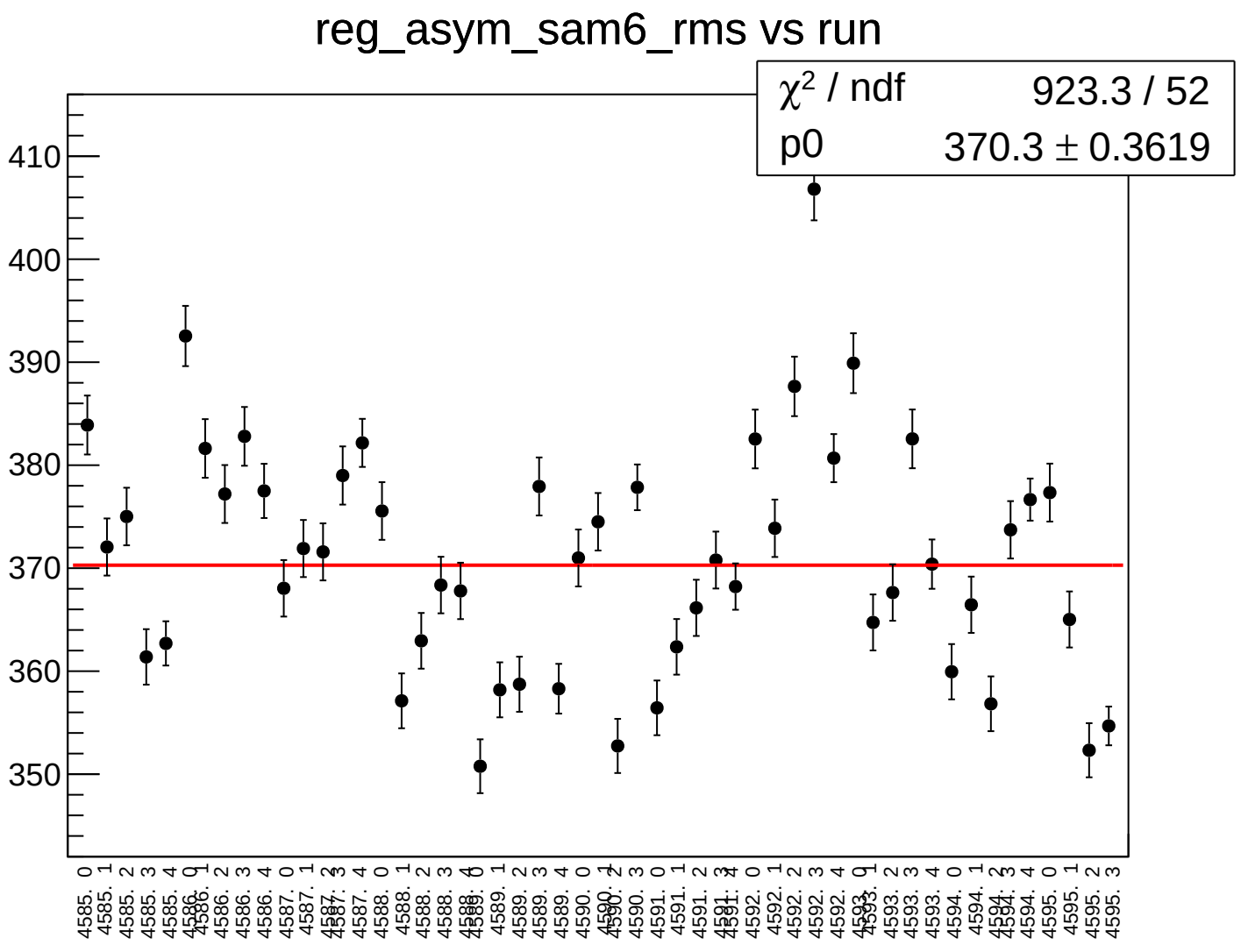
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

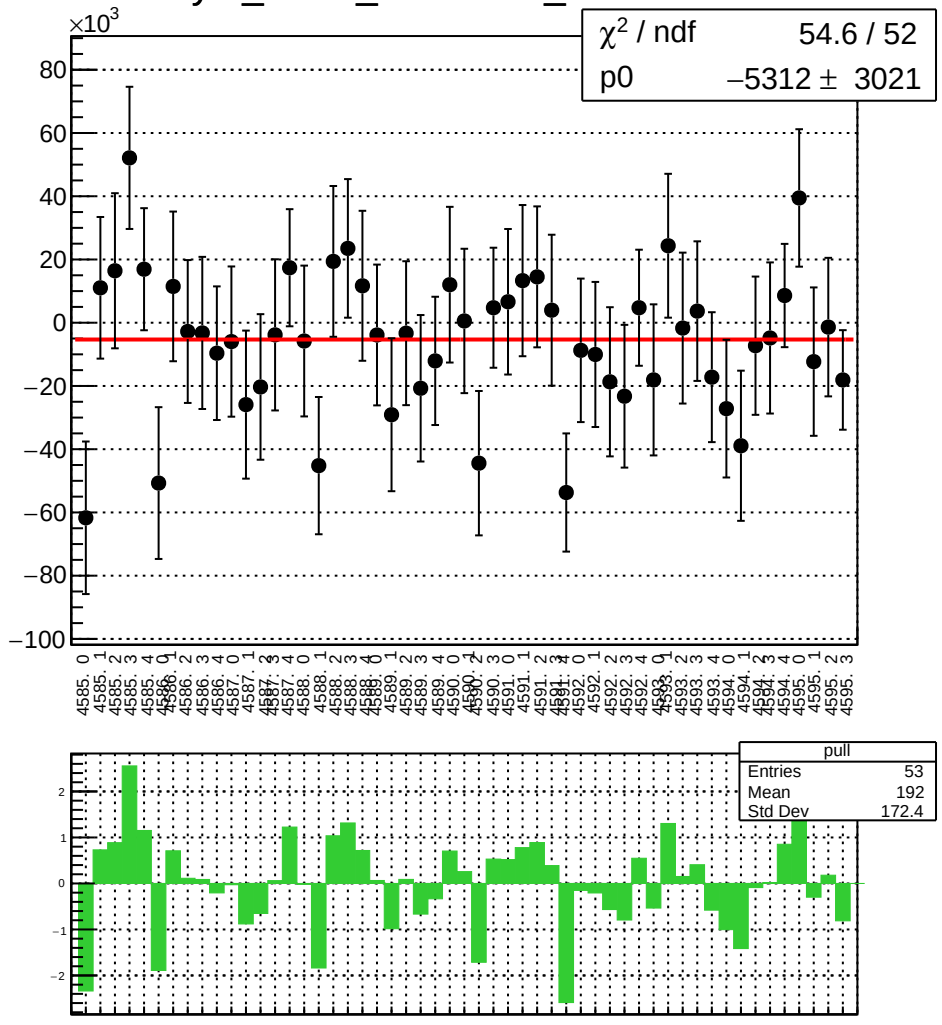

asym_sam5_correction_mean vs run
χ² / ndf 57.97 / 52
p0 −4708 ± 1904
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean 22.04
Std Dev 60.43
pull1D
Entries 53
Mean −0.006561
Std Dev 1.046

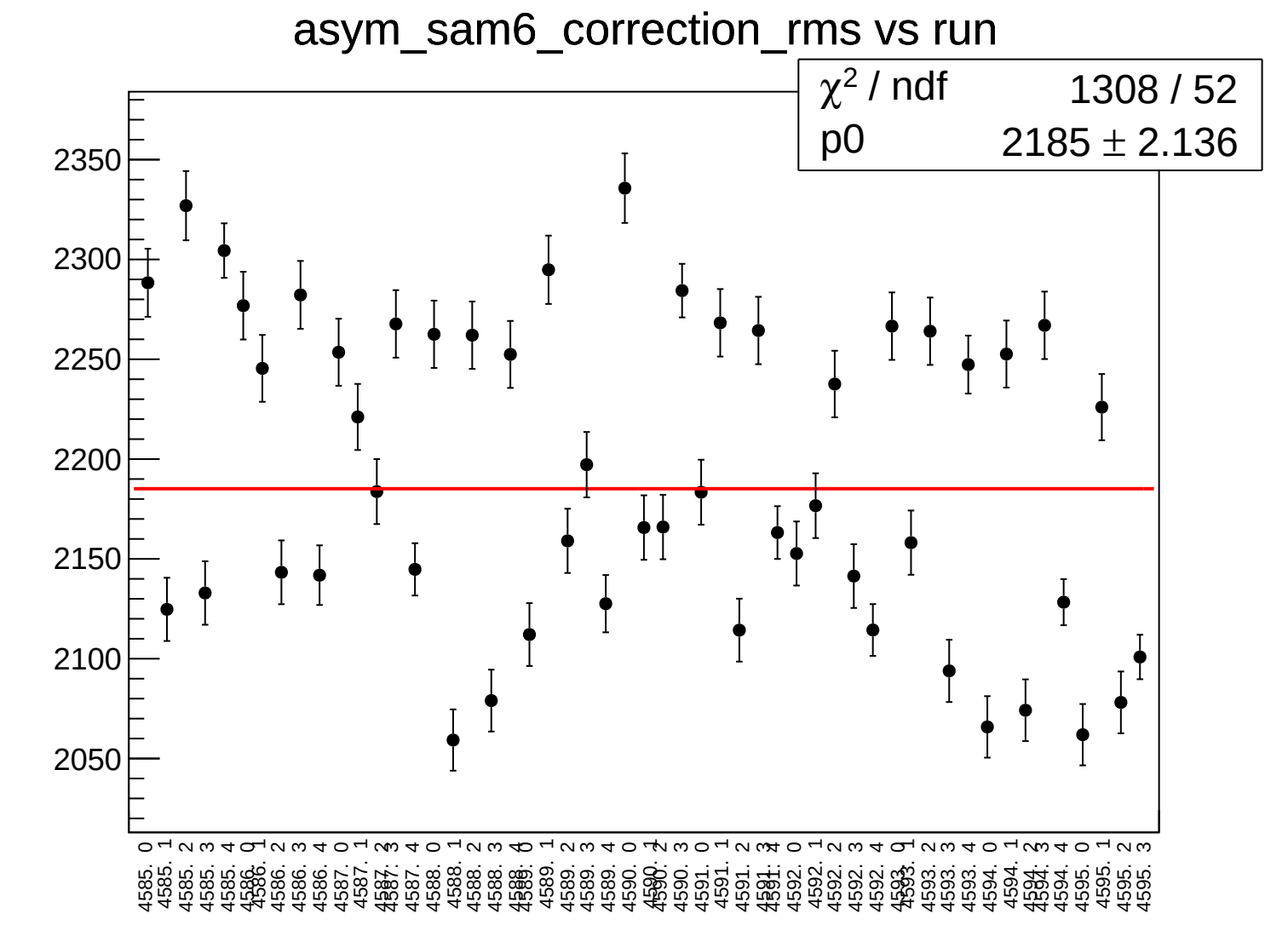

asym_sam5_correction_rms vs run
χ² / ndf 5769 / 52
p0 1374 ± 1.346
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200

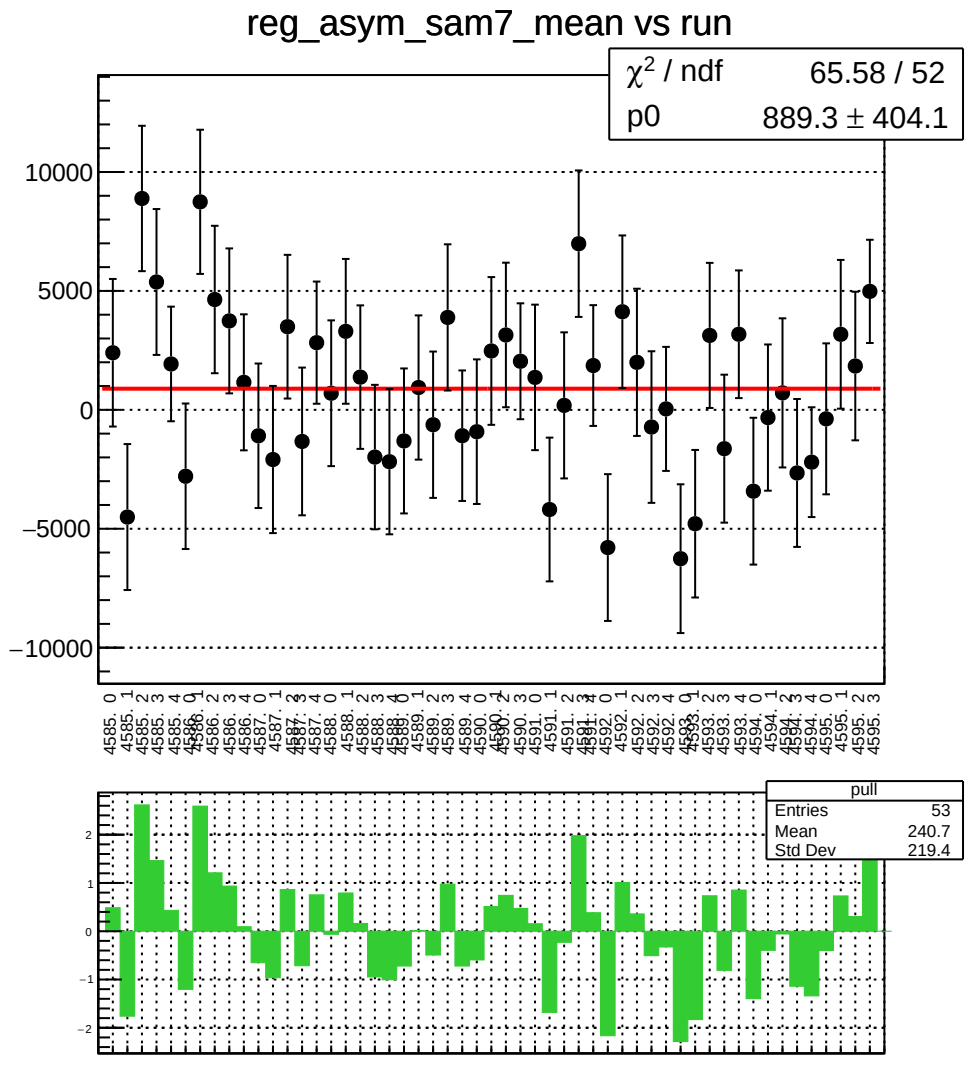

reg_asym_sam6_mean vs run
χ^2 / ndf 58.4 / 52
p0 920.6 ± 511.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 326.6
Std Dev 302.4
2
1
0
−1
−2

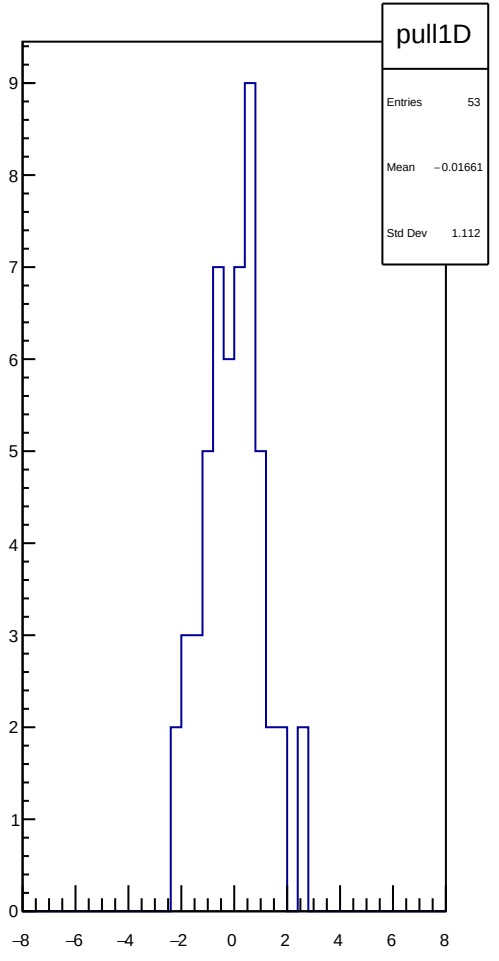

pull1D
Entries 53
Mean −0.01579
Std Dev 1.05
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

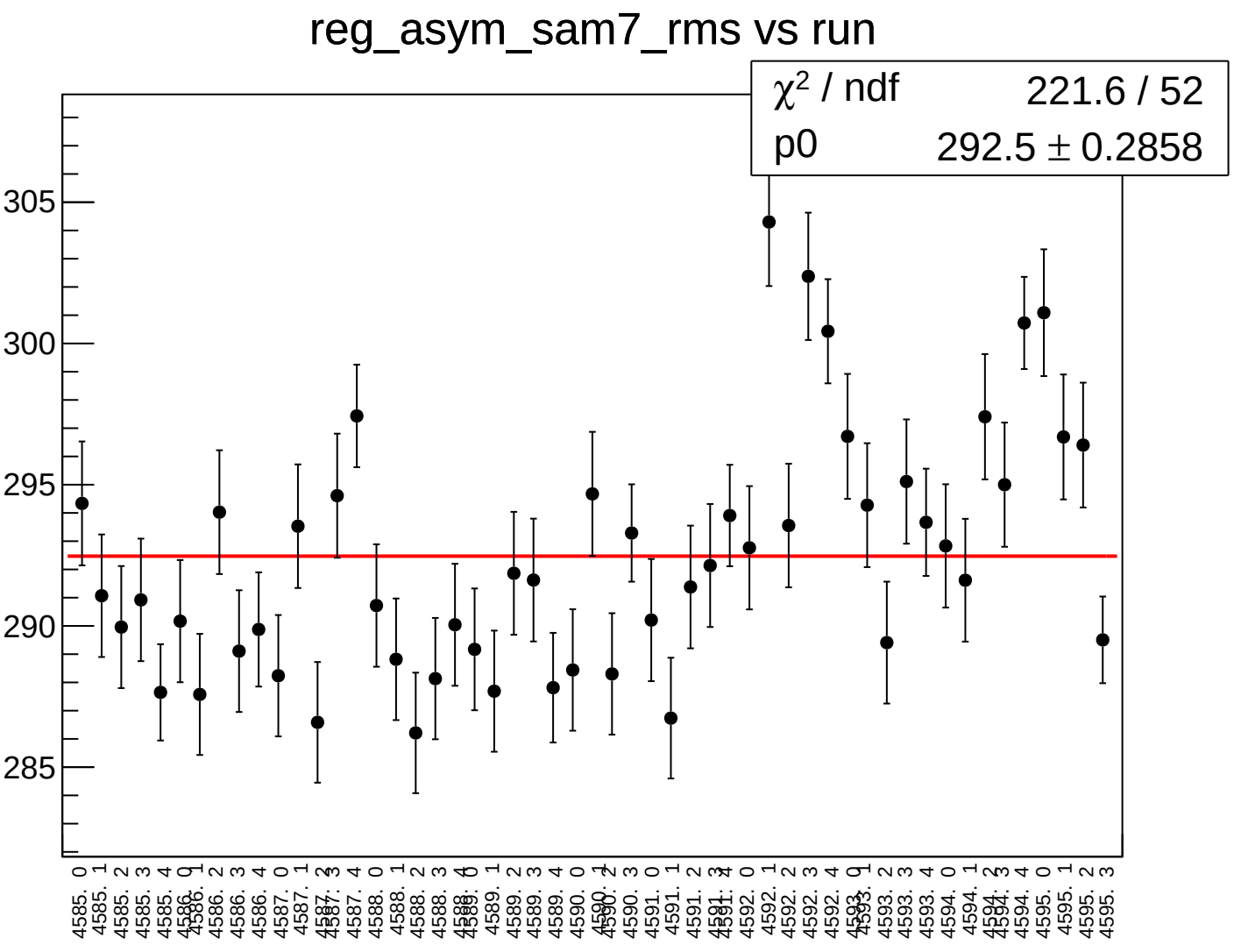

reg_asym_sam6_rms vs run
χ² / ndf 923.3 / 52
p0 370.3 ± 0.3619
410
400
390
380
370
360
350

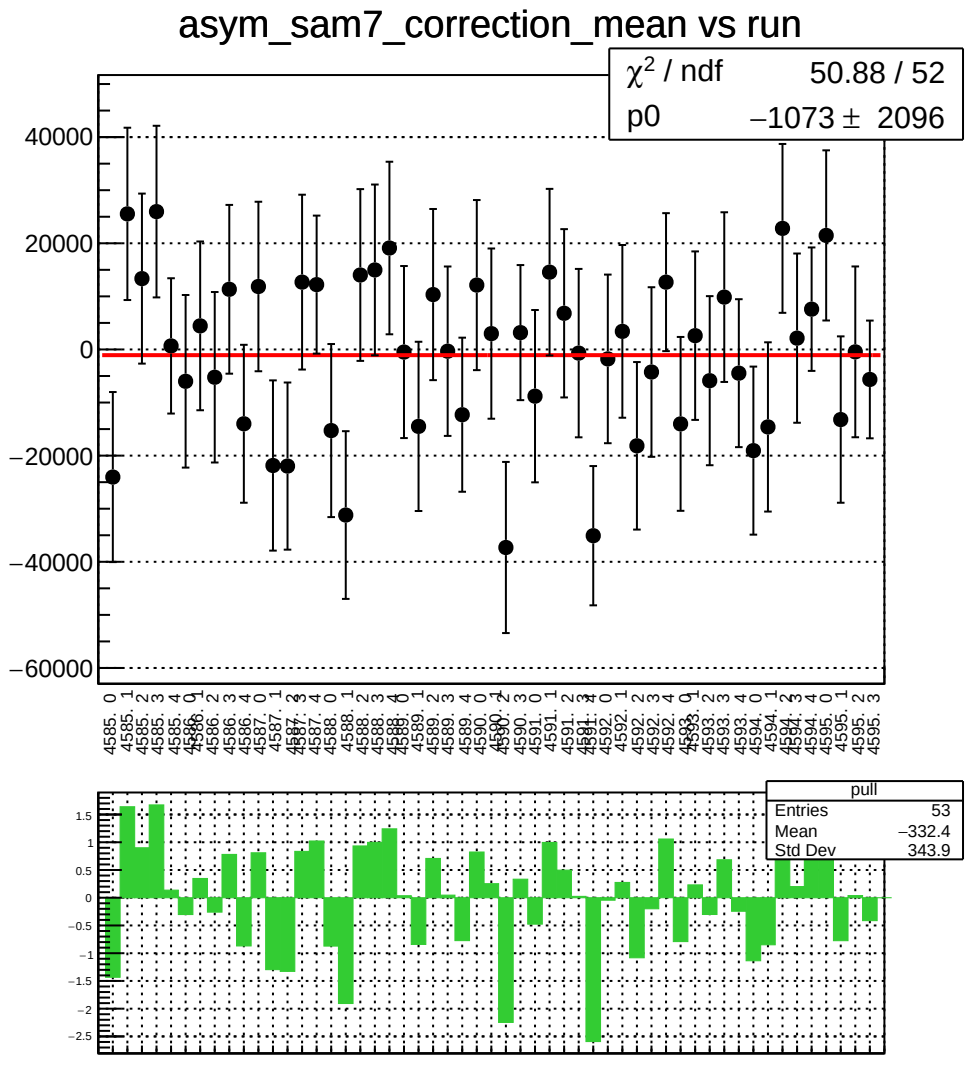

asym_sam6_correction_mean vs run
χ² / ndf 54.6 / 52
p0 −5312 ± 3021
pull
Entries 53
Mean 192
Std Dev 172.4
pull1D
Entries 53
Mean −0.004834
Std Dev 1.015

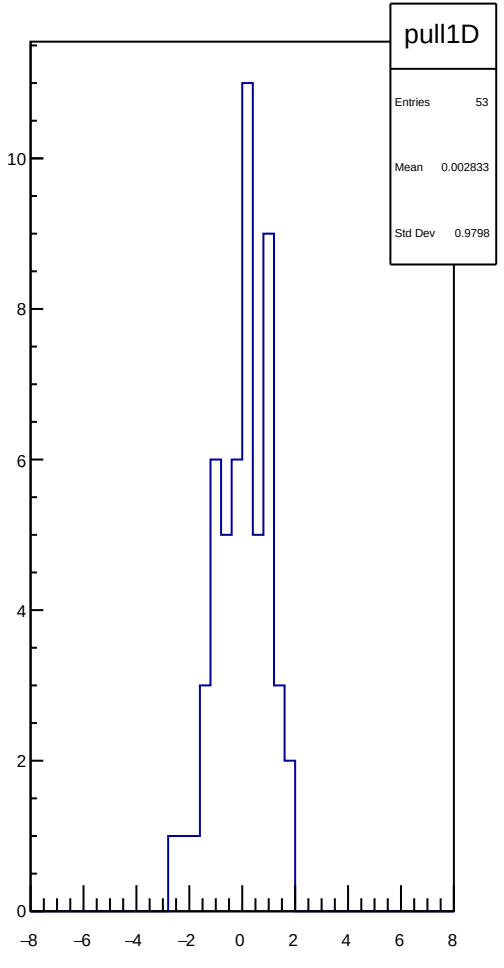

asym_sam6_correction_rms vs run
χ² / ndf 1308 / 52
p0 2185 ± 2.136
2350
2300
2250
2200
2150
2100
2050
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

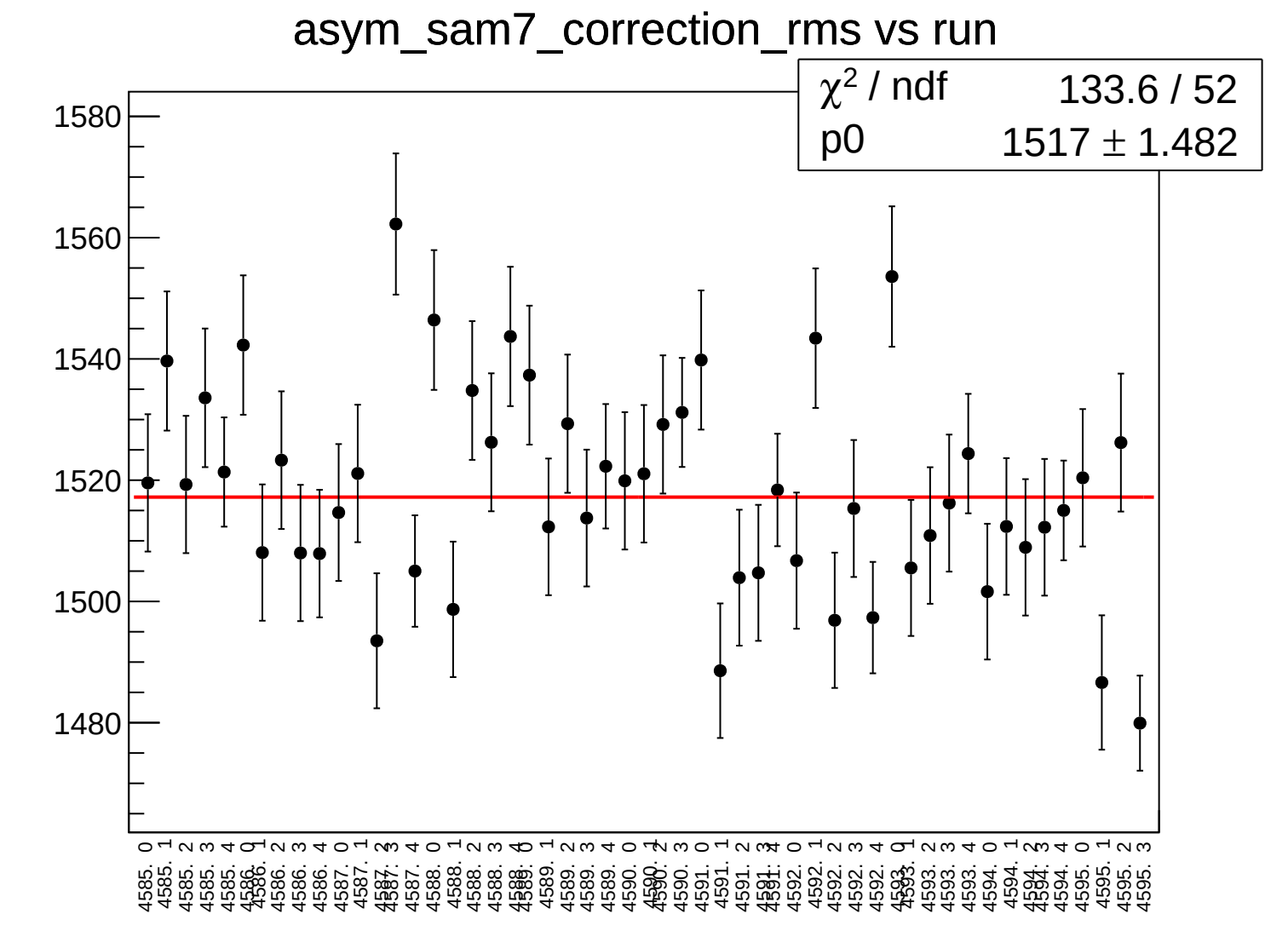

reg_asym_sam7_mean vs run
χ² / ndf 65.58 / 52
p0 889.3 ± 404.1
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 240.7
Std Dev 219.4
2
1
0
−1
−2

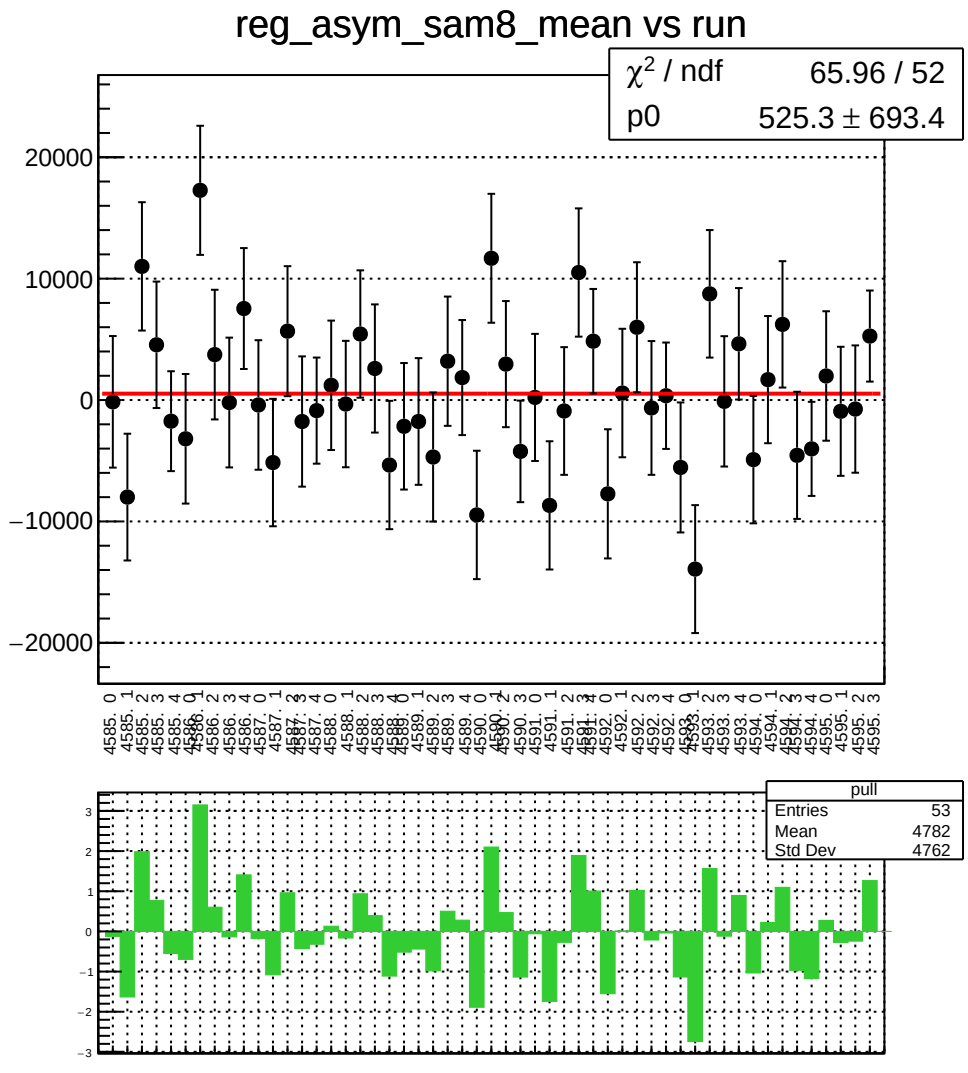

pull1D
Entries 53
Mean −0.01661
Std Dev 1.112
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

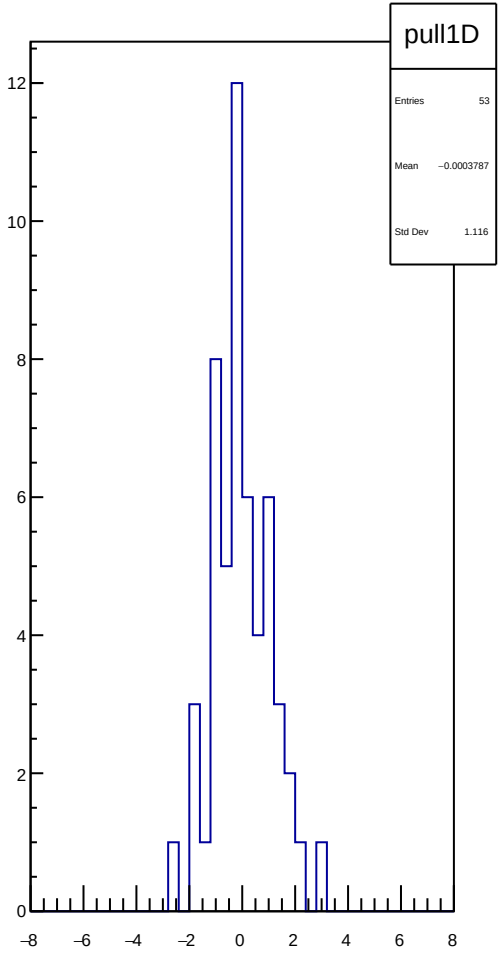

reg_asym_sam7_rms vs run
χ² / ndf 221.6 / 52
p0 292.5 ± 0.2858
305
300
295
290
285
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

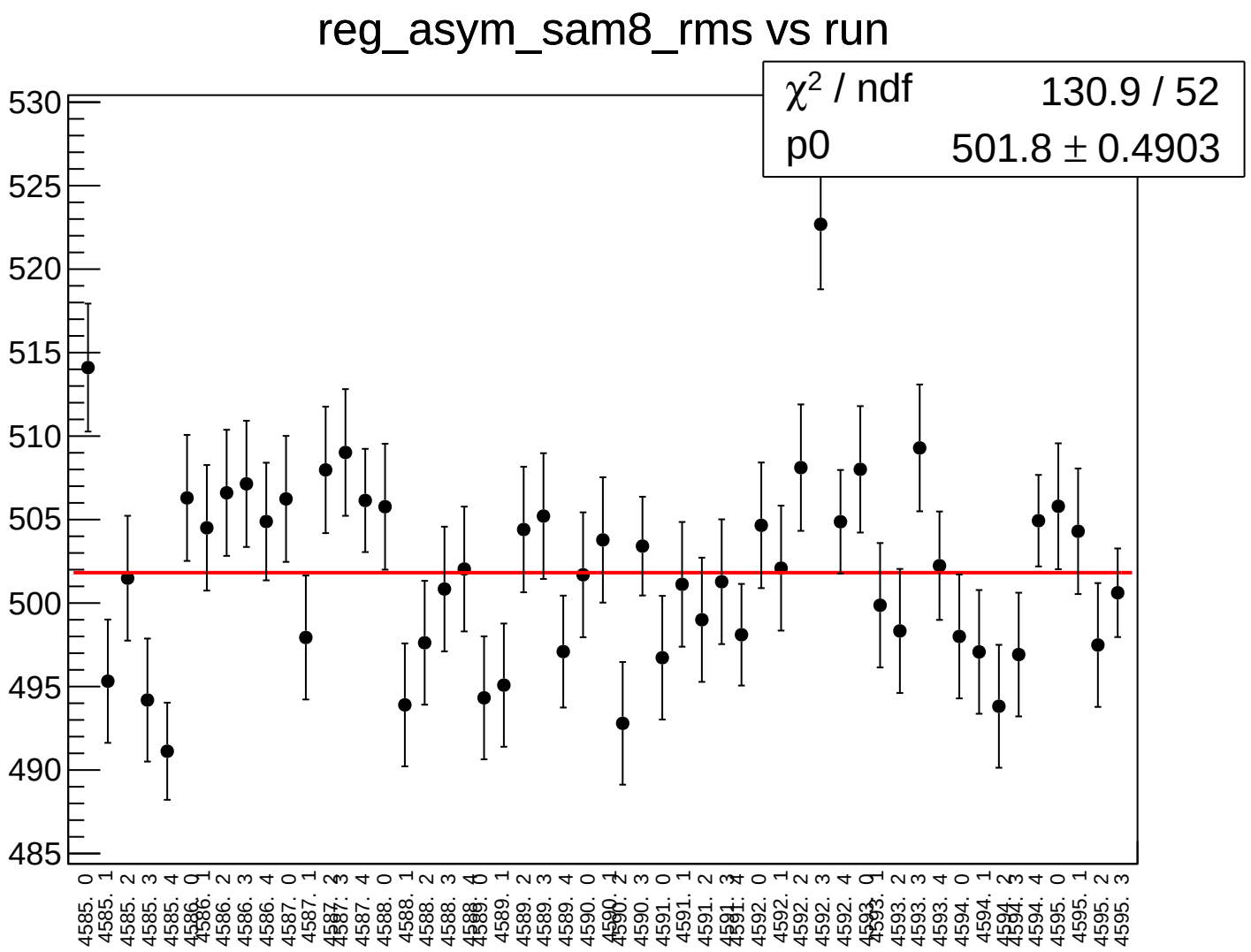

asym_sam7_correction_mean vs run
χ² / ndf 50.88 / 52
p0 −1073 ± 2096
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −332.4
Std Dev 343.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

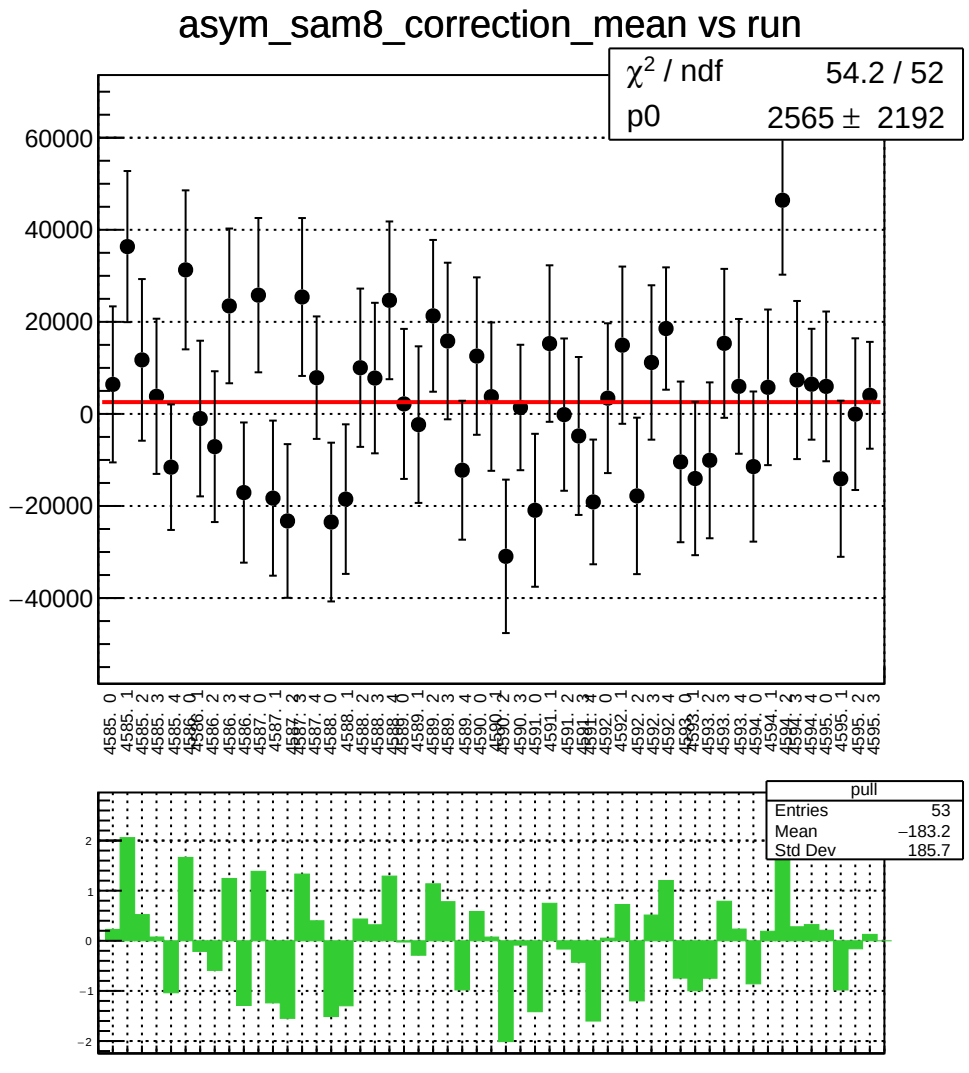

pull1D
Entries 53
Mean 0.002833
Std Dev 0.9798
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

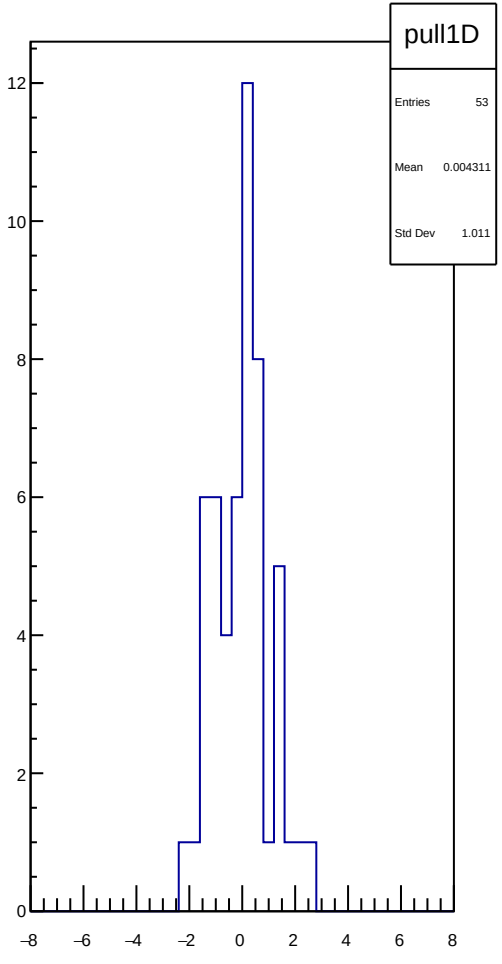

asym_sam7_correction_rms vs run
χ² / ndf 133.6 / 52
p0 1517 ± 1.482
1580
1560
1540
1520
1500
1480
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

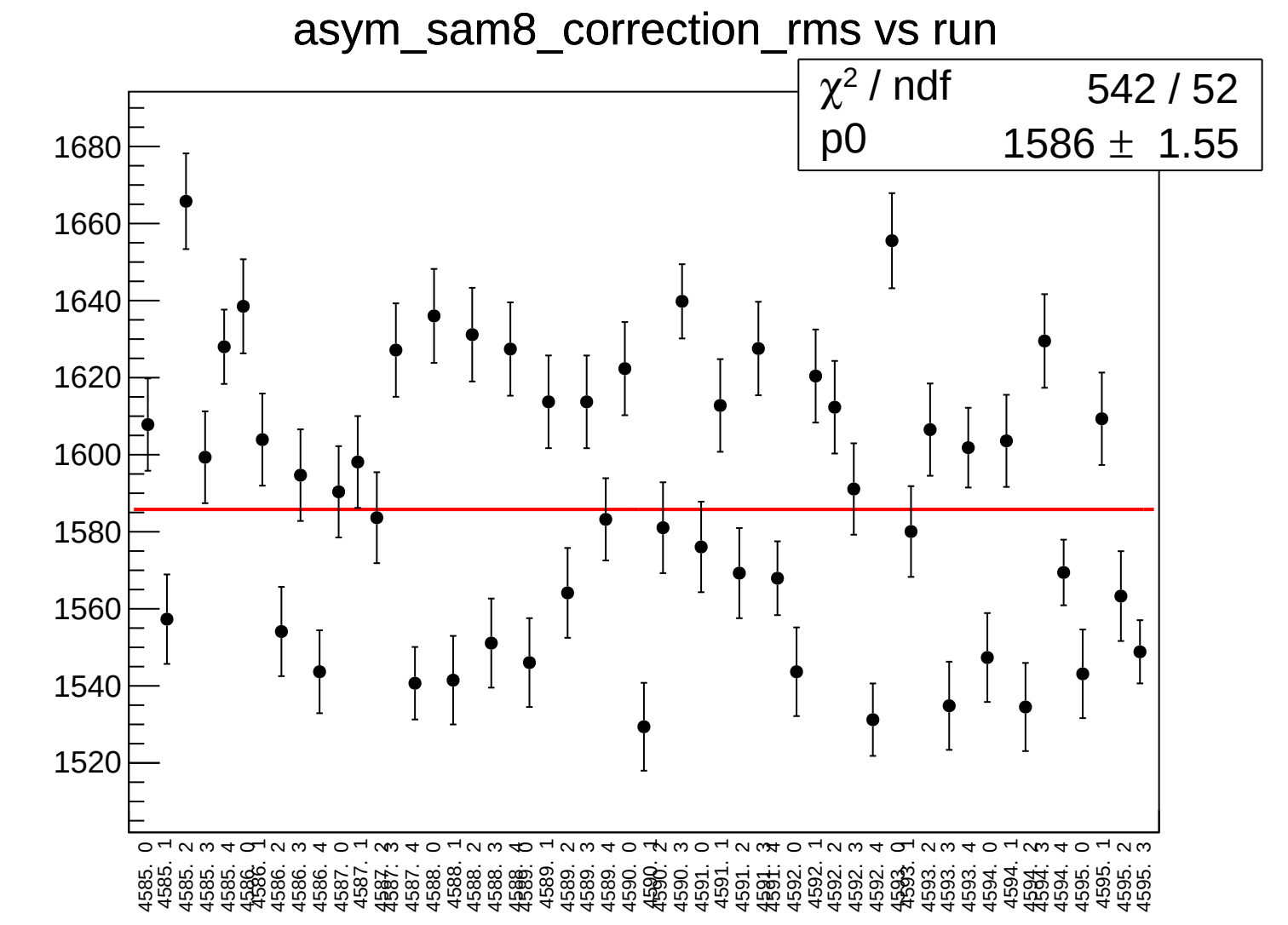

reg_asym_sam8_mean vs run
χ² / ndf 65.96 / 52
p0 525.3 ± 693.4
20000
10000
0
−10000
−20000
pull
Entries 53
Mean 4782
Std Dev 4762
3
2
1
0
−1
−2
−3

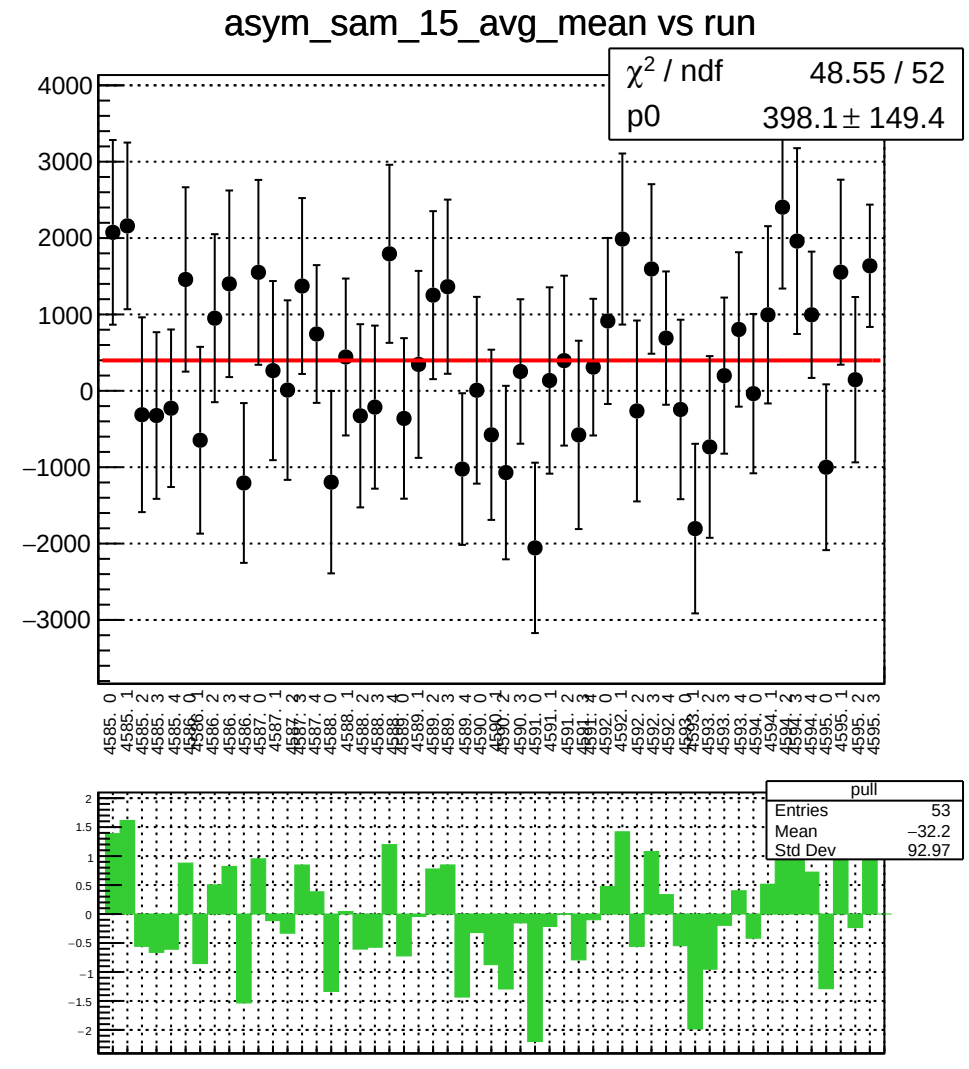

pull1D
Entries 53
Mean −0.0003787
Std Dev 1.116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

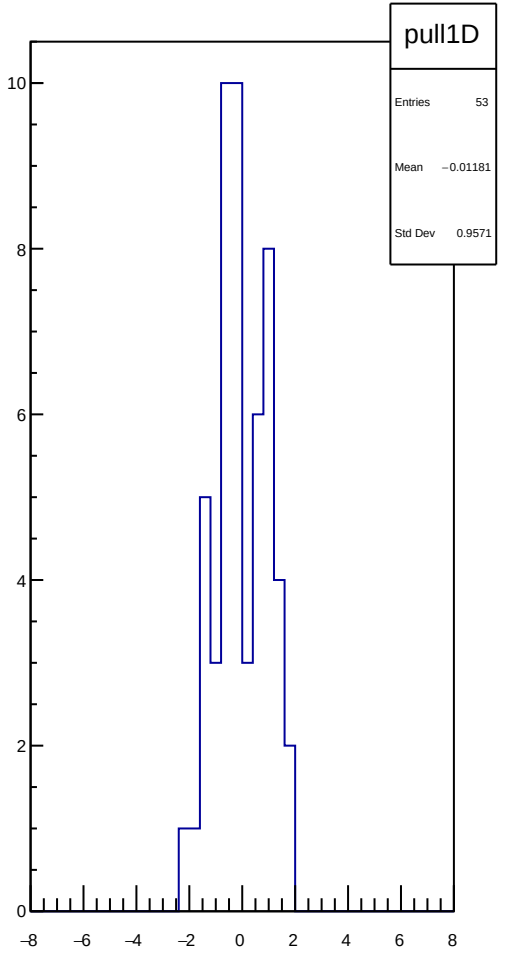

reg_asym_sam8_rms vs run
χ² / ndf 130.9 / 52
p0 501.8 ± 0.4903
530
525
520
515
510
505
500
495
490
485
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

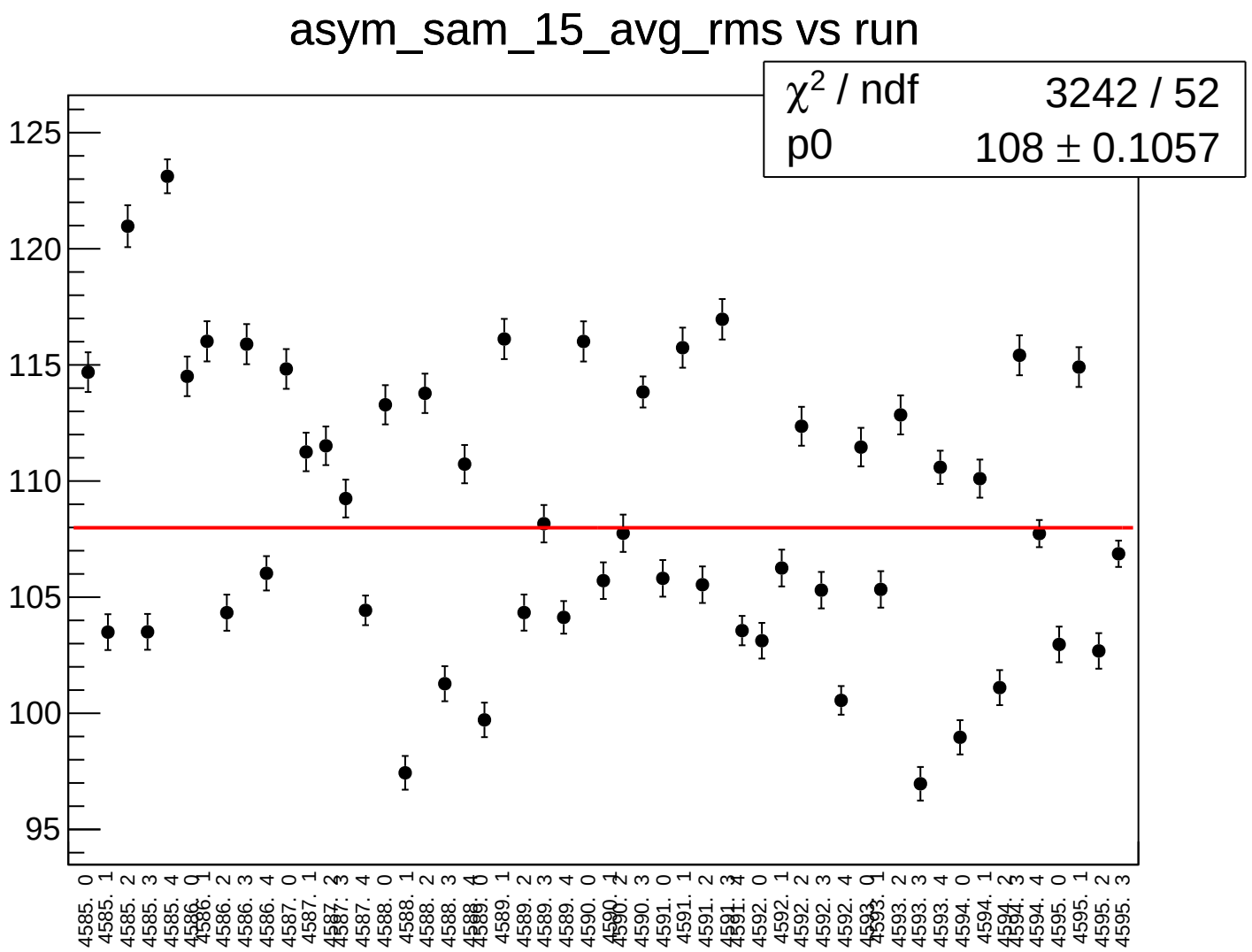

asym_sam8_correction_mean vs run
χ² / ndf 54.2 / 52
p0 2565 ± 2192
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −183.2
Std Dev 185.7
2
1
0
−1
−2

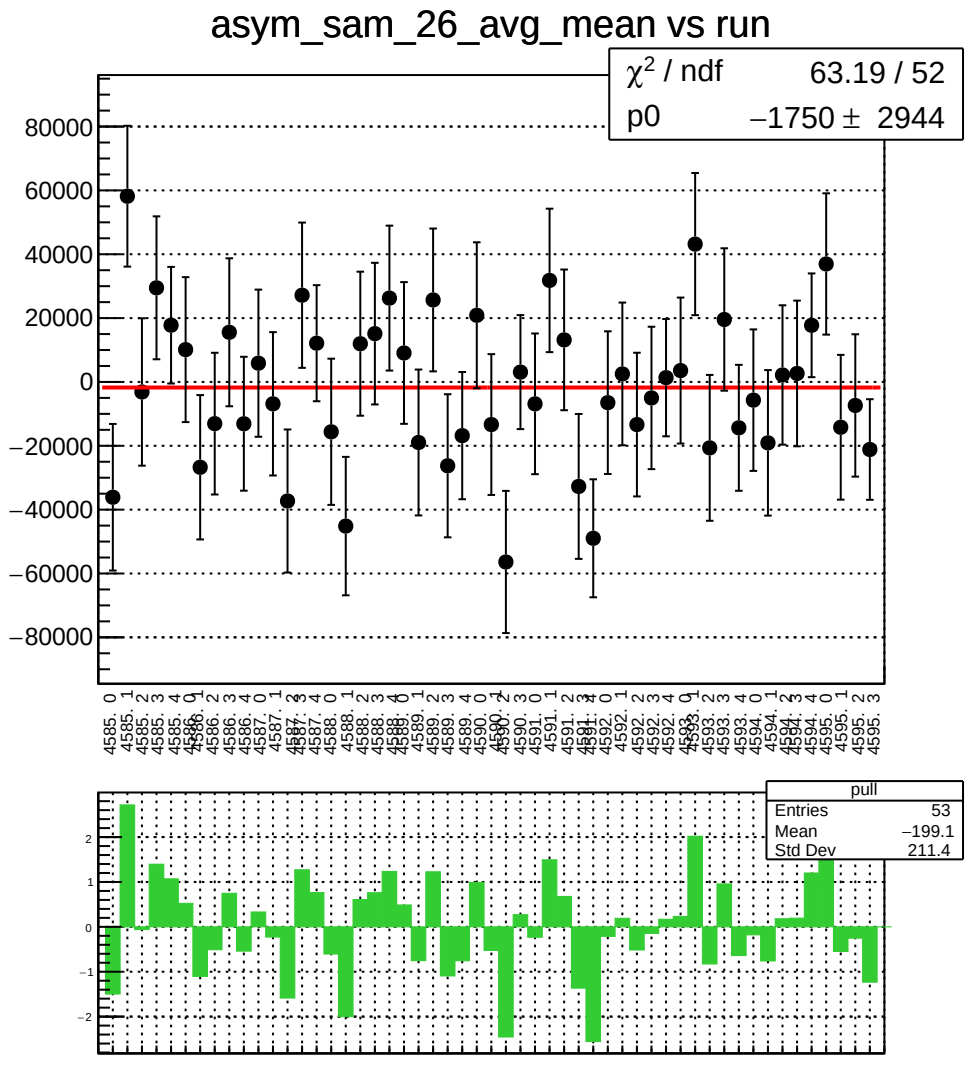

pull1D
Entries 53
Mean 0.004311
Std Dev 1.011
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

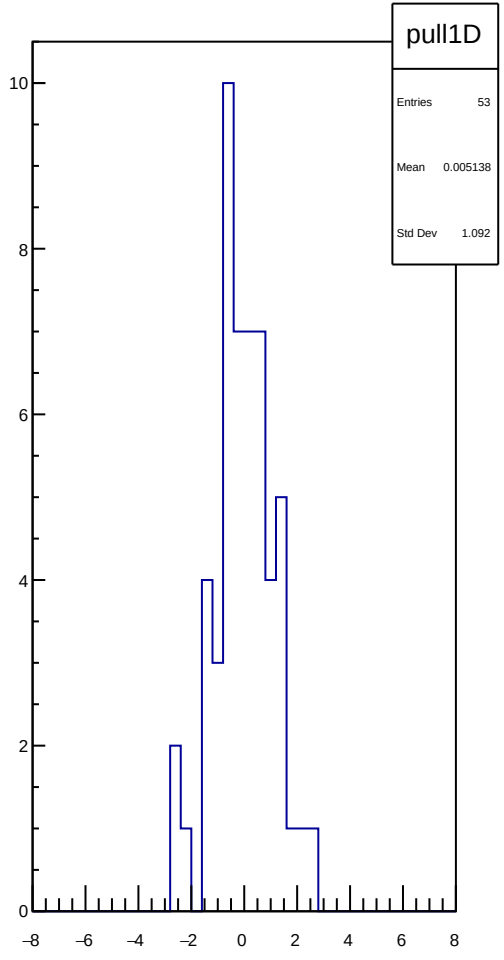

asym_sam8_correction_rms vs run
χ² / ndf 542 / 52
p0 1586 ± 1.55
1680
1660
1640
1620
1600
1580
1560
1540
1520
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

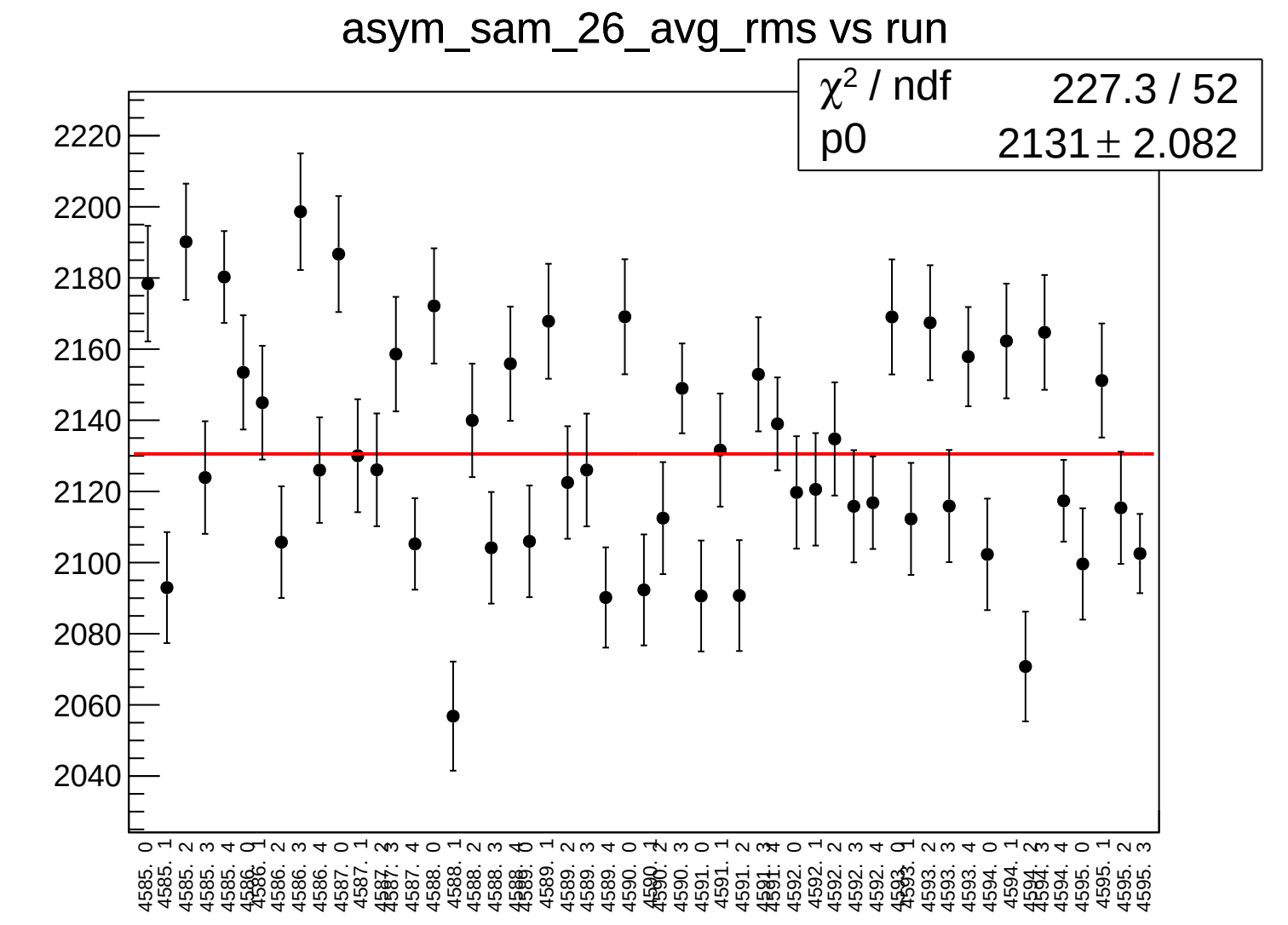

asym_sam_15_avg_mean vs run
χ² / ndf 48.55 / 52
p0 398.1 ± 149.4
pull
Entries 53
Mean −32.2
Std Dev 92.97

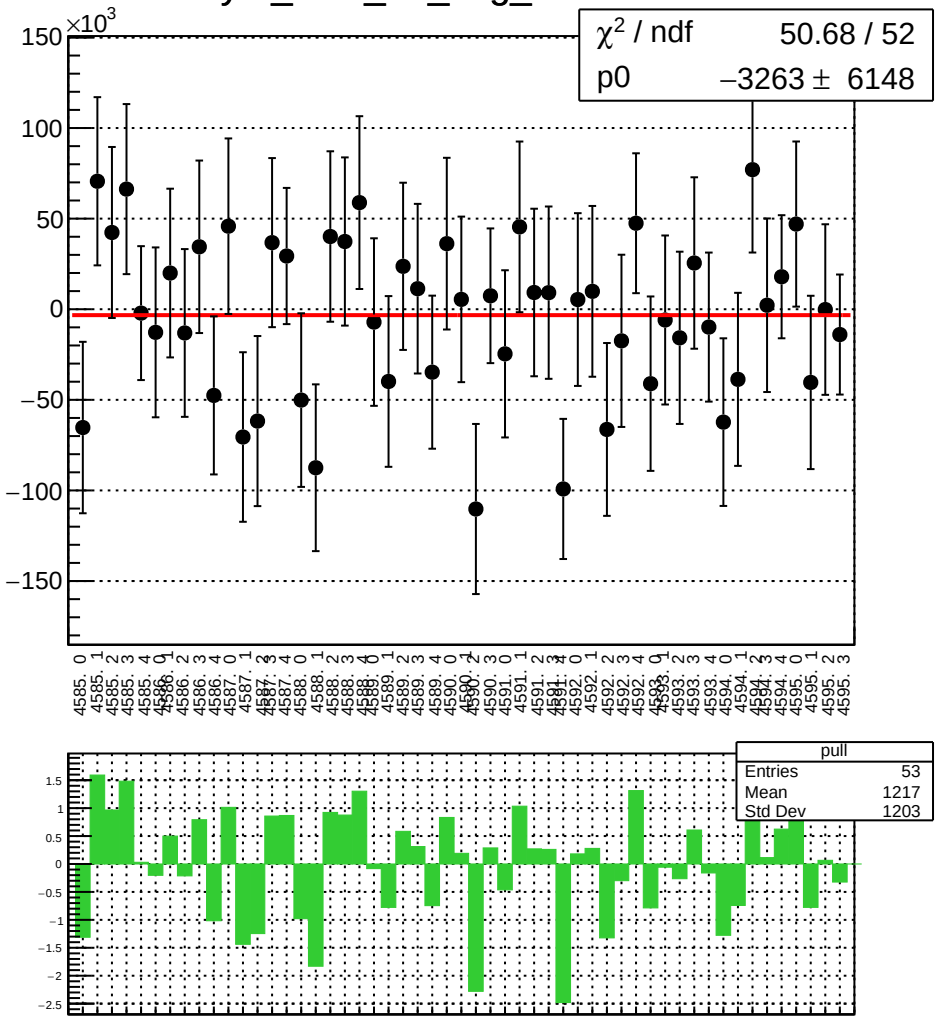

pull1D
Entries 53
Mean −0.01181
Std Dev 0.9571

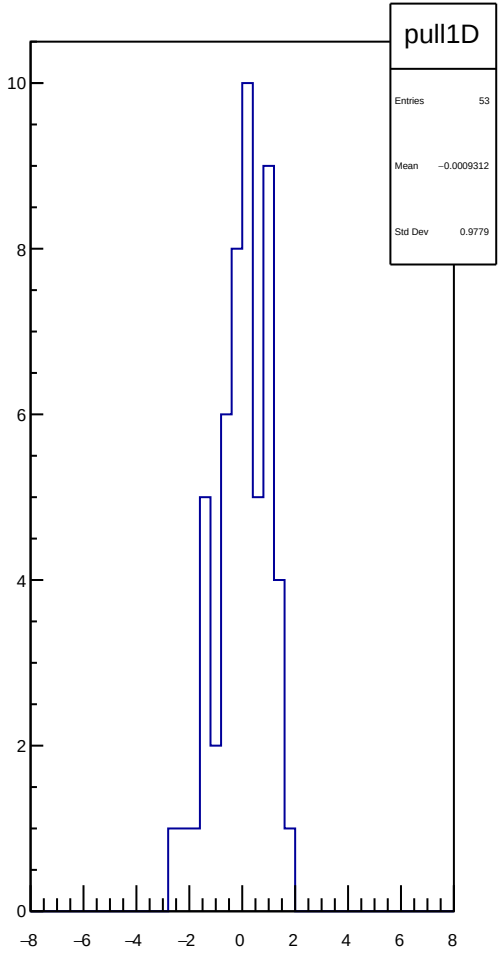

asym_sam_15_avg_rms vs run
χ² / ndf 3242 / 52
p0 108 ± 0.1057
125
120
115
110
105
100
95
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

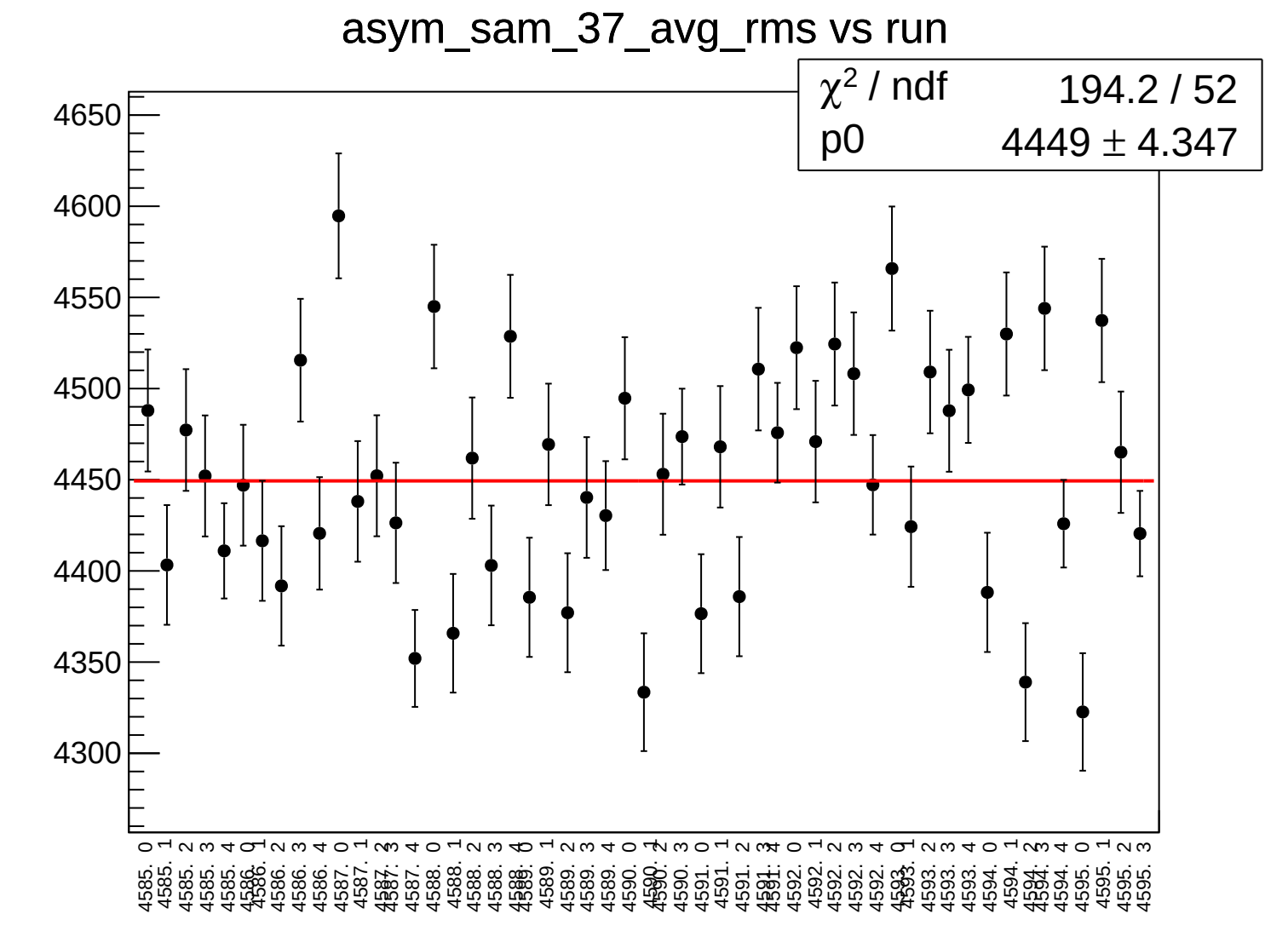

asym_sam_26_avg_mean vs run
χ² / ndf 63.19 / 52
p0 −1750 ± 2944
pull
Entries 53
Mean −199.1
Std Dev 211.4

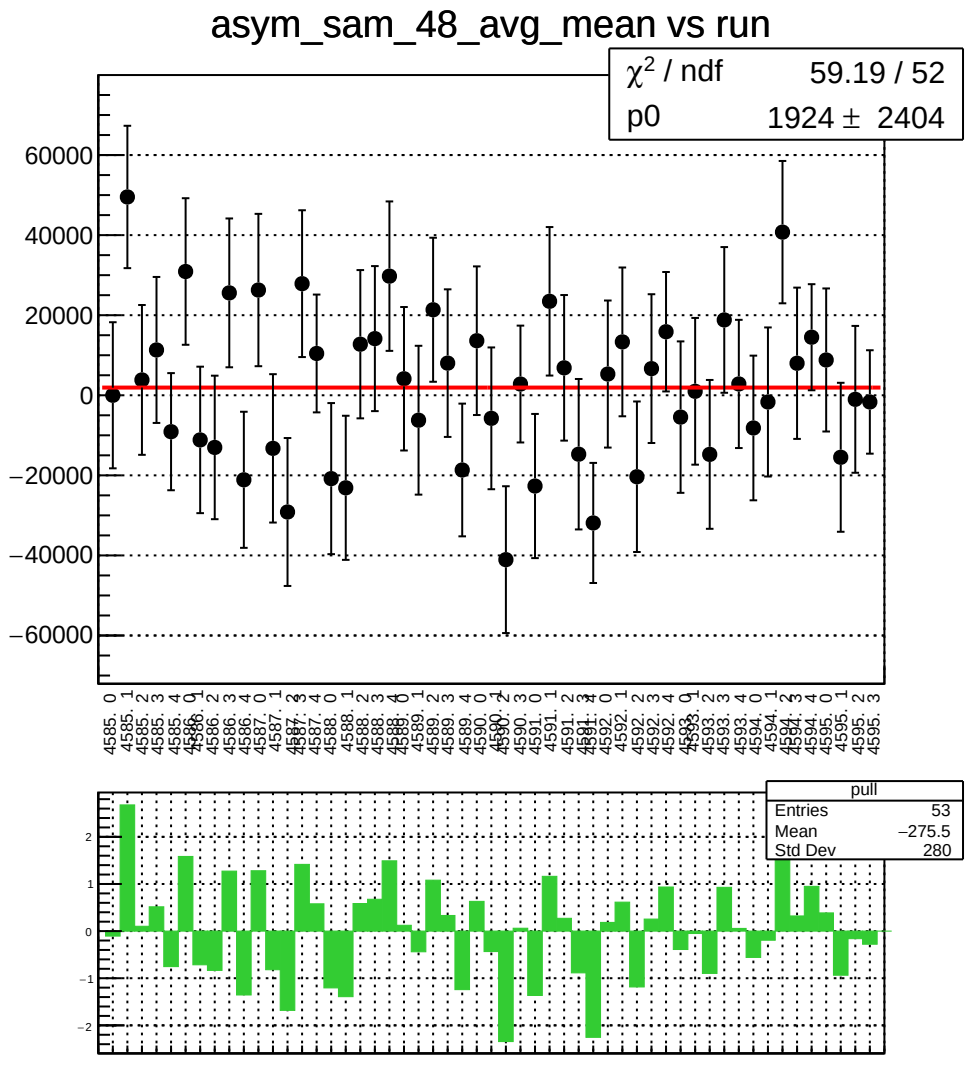

pull1D
Entries 53
Mean 0.005138
Std Dev 1.092

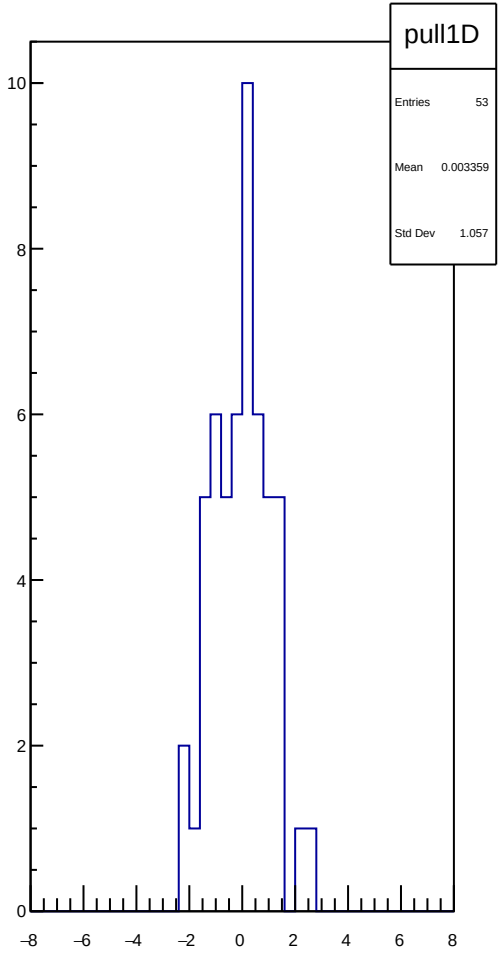

asym_sam_26_avg_rms vs run
χ² / ndf 227.3 / 52
p0 2131 ± 2.082
2220
2200
2180
2160
2140
2120
2100
2080
2060
2040
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4588. 0
4588. 1
4588. 2
4588. 3
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 3
4591. 0
4591. 1
4591. 2
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4595. 0
4595. 1
4595. 2
4595. 3

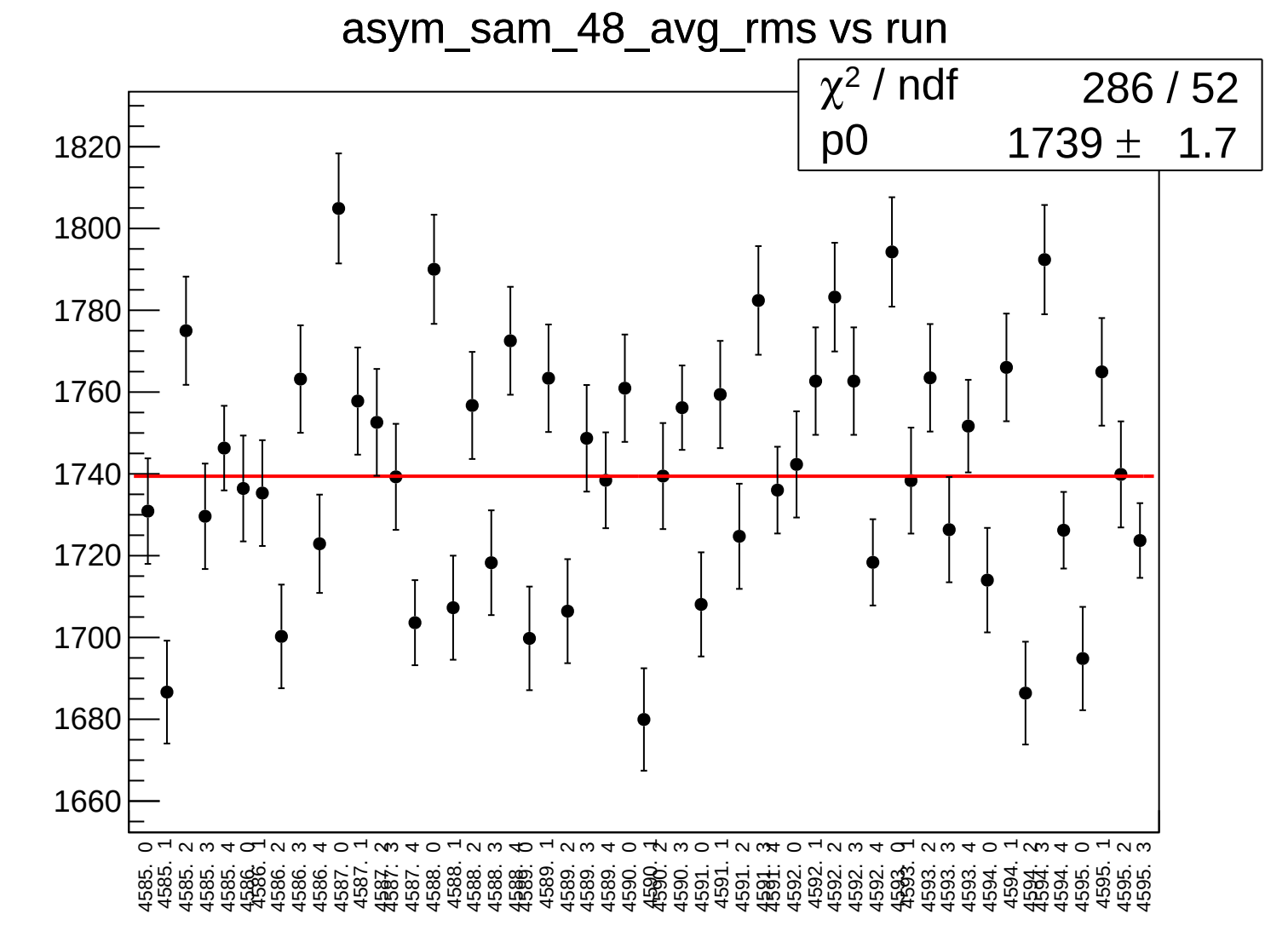

asym_sam_37_avg_mean vs run
χ² / ndf 50.68 / 52
p0 −3263 ± 6148
×10³
pull
Entries 53
Mean 1217
Std Dev 1203

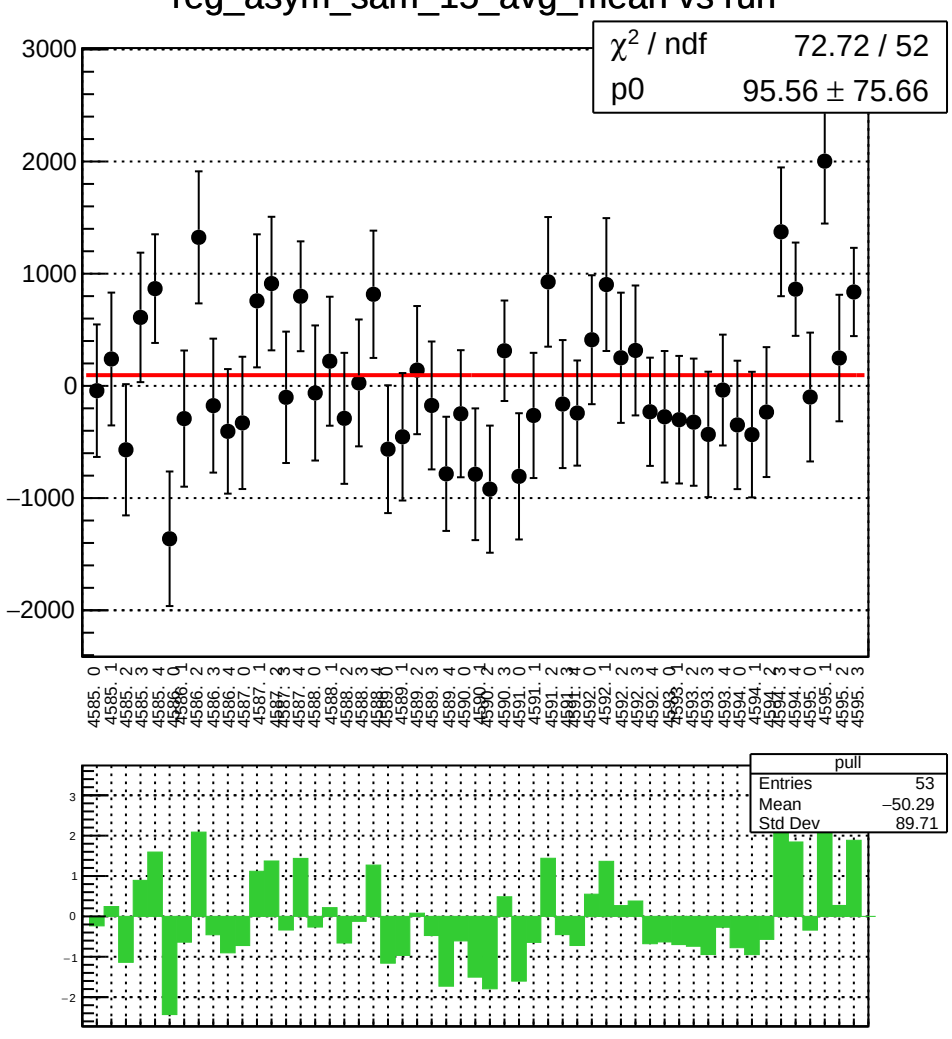

pull1D
Entries 53
Mean −0.0009312
Std Dev 0.9779

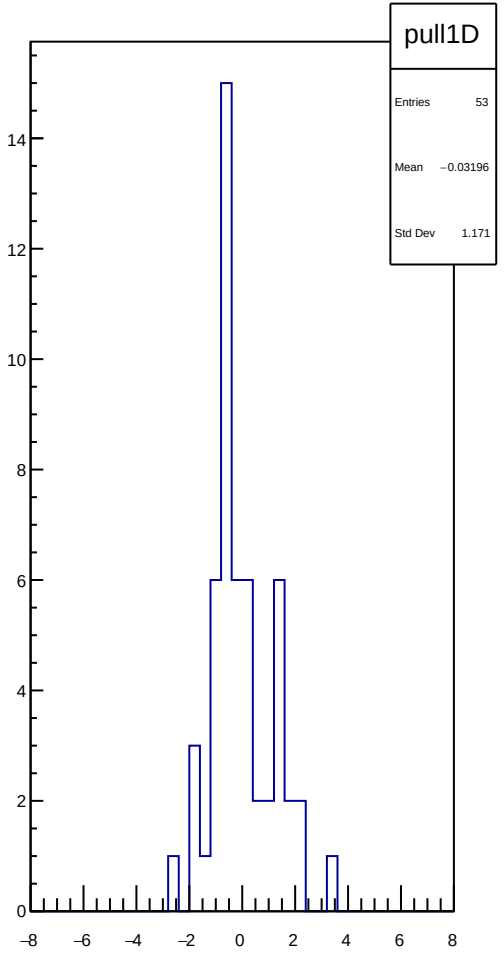

asym_sam_37_avg_rms vs run
χ² / ndf 194.2 / 52
p0 4449 ± 4.347
4650
4600
4550
4500
4450
4400
4350
4300
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

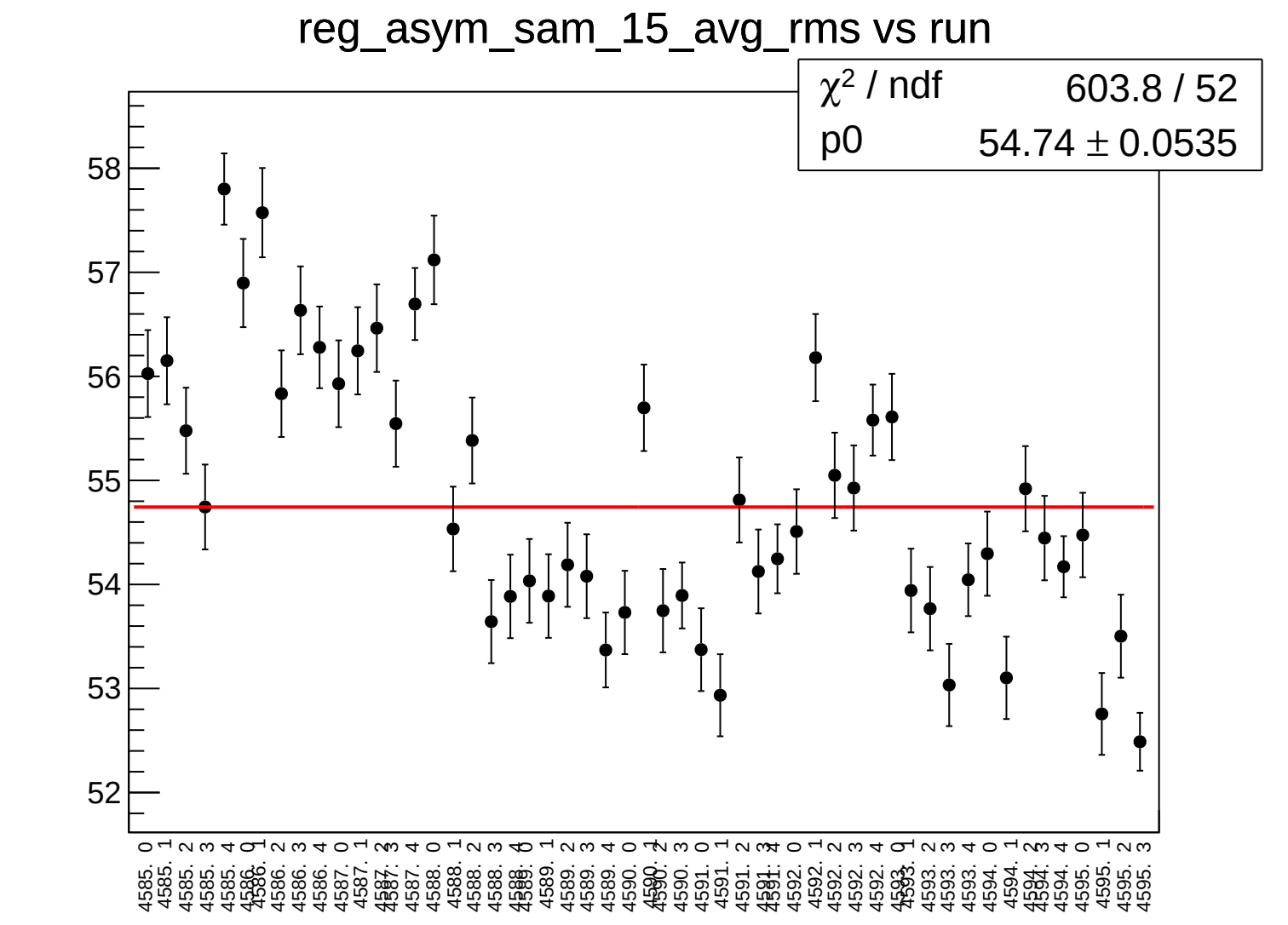

asym_sam_48_avg_mean vs run
χ² / ndf 59.19 / 52
p0 1924 ± 2404
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −275.5
Std Dev 280
2
1
0
−1
−2

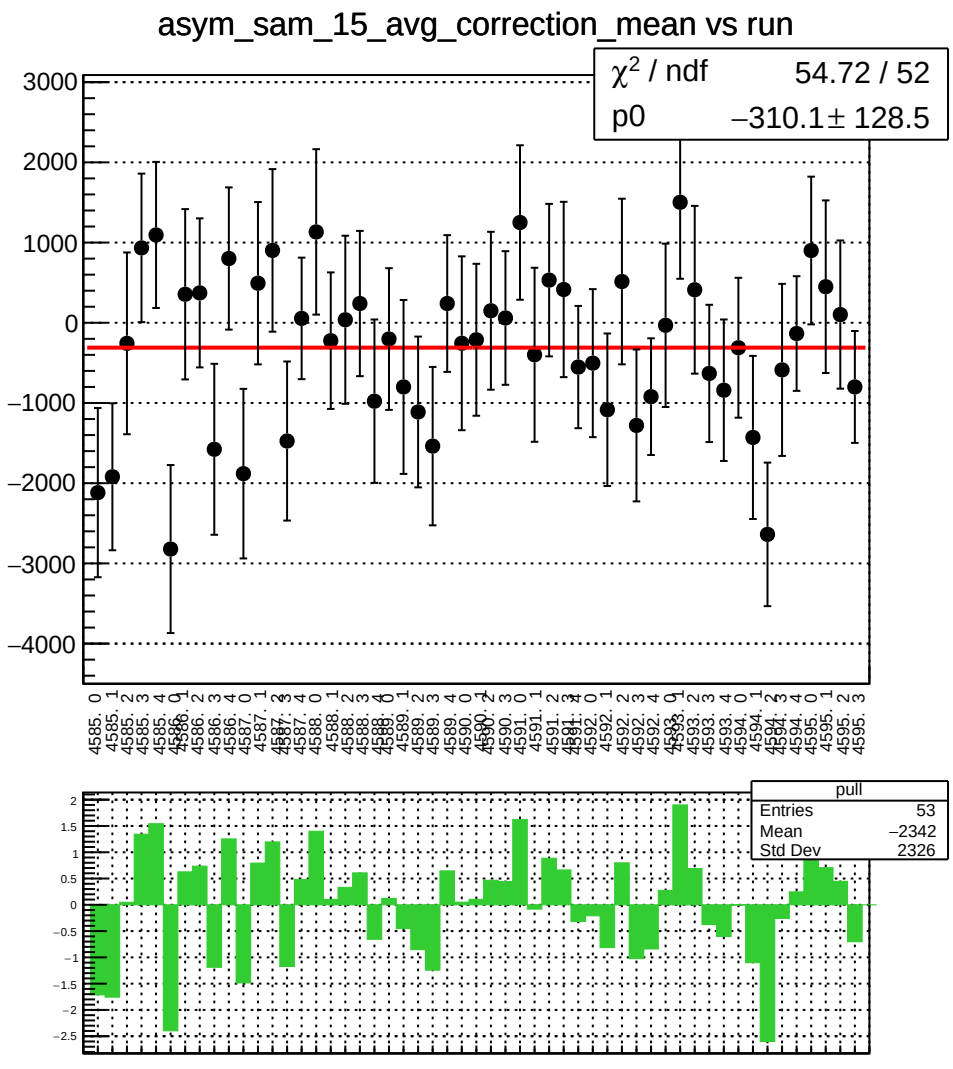

pull1D
Entries 53
Mean 0.003359
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

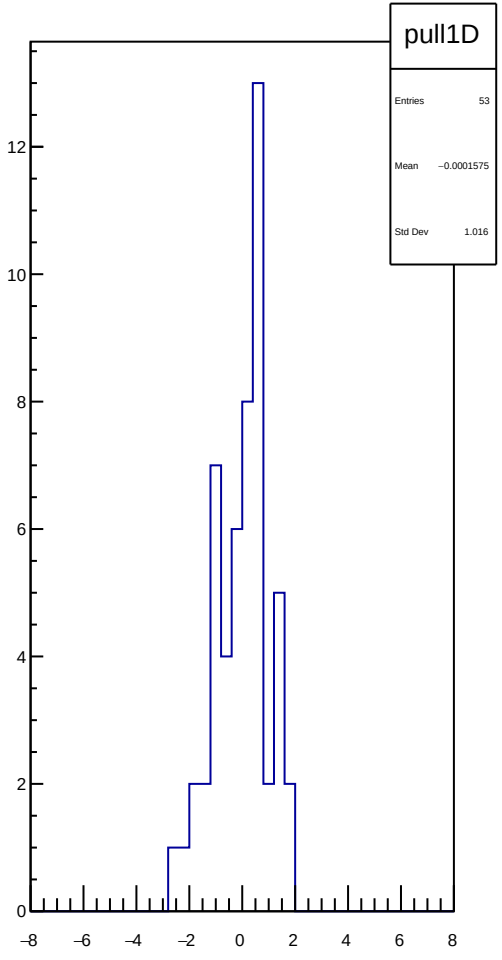

asym_sam_48_avg_rms vs run
χ² / ndf 286 / 52
p0 1739 ± 1.7
1820
1800
1780
1760
1740
1720
1700
1680
1660
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

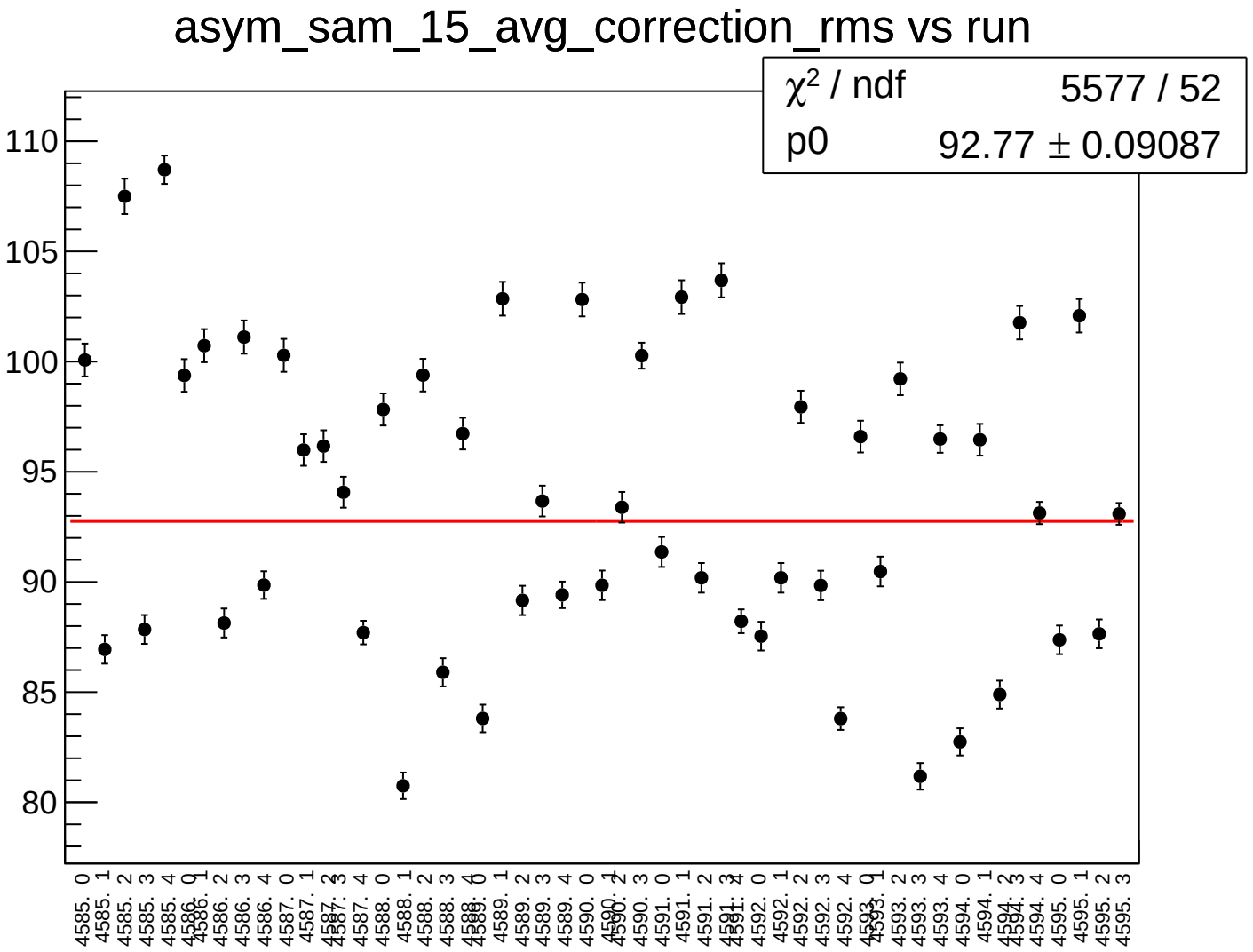

reg_asym_sam_15_avg_mean vs run
χ² / ndf 72.72 / 52
p0 95.56 ± 75.66
pull
Entries 53
Mean −50.29
Std Dev 89.71

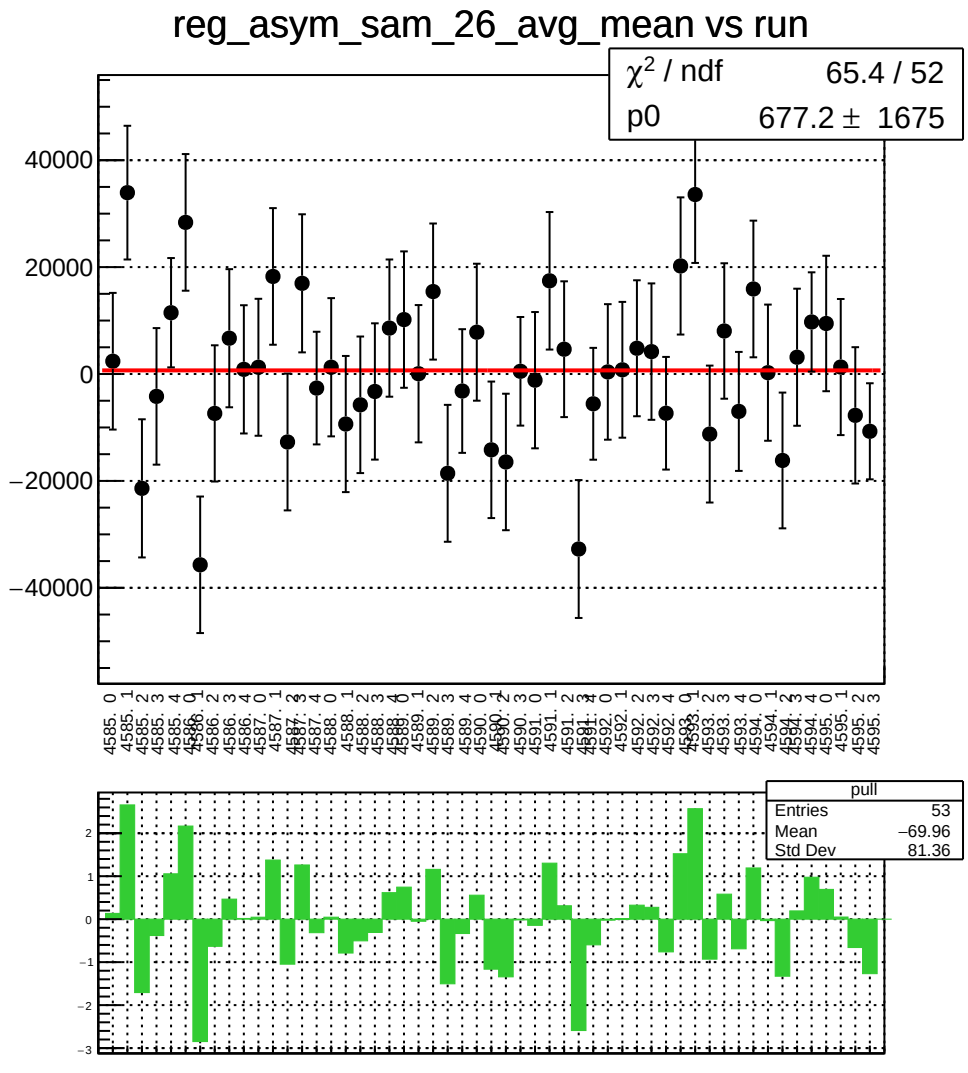

pull1D
Entries 53
Mean −0.03196
Std Dev 1.171

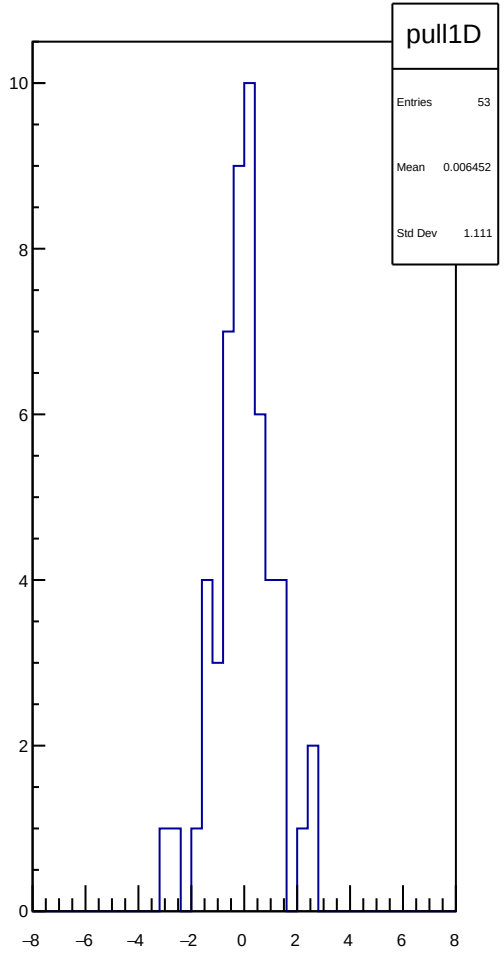

reg_asym_sam_15_avg_rms vs run
χ² / ndf 603.8 / 52
p0 54.74 ± 0.0535
58
57
56
55
54
53
52
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

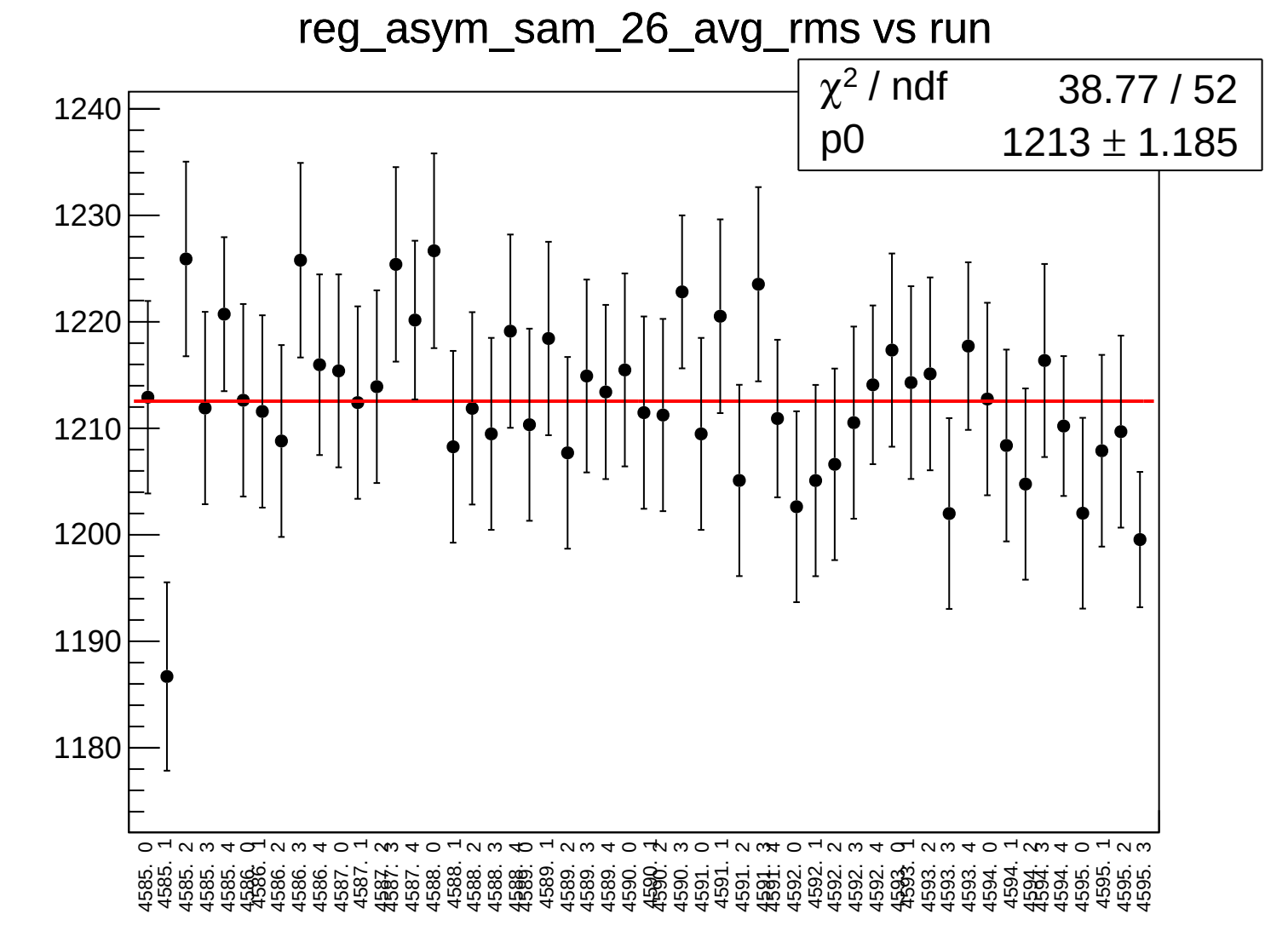

asym_sam_15_avg_correction_mean vs run
χ² / ndf 54.72 / 52
p0 −310.1± 128.5
pull
Entries 53
Mean −2342
Std Dev 2326

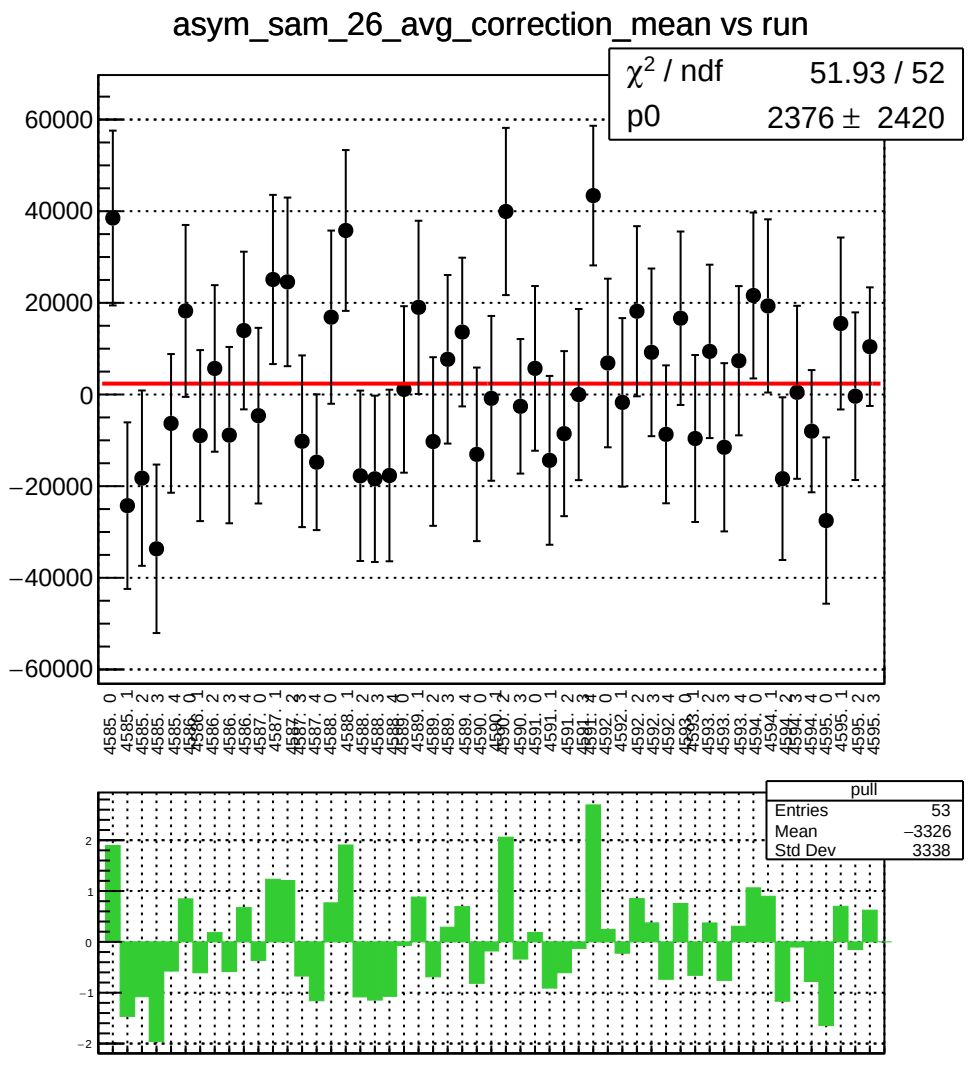

pull1D
Entries 53
Mean −0.0001575
Std Dev 1.016

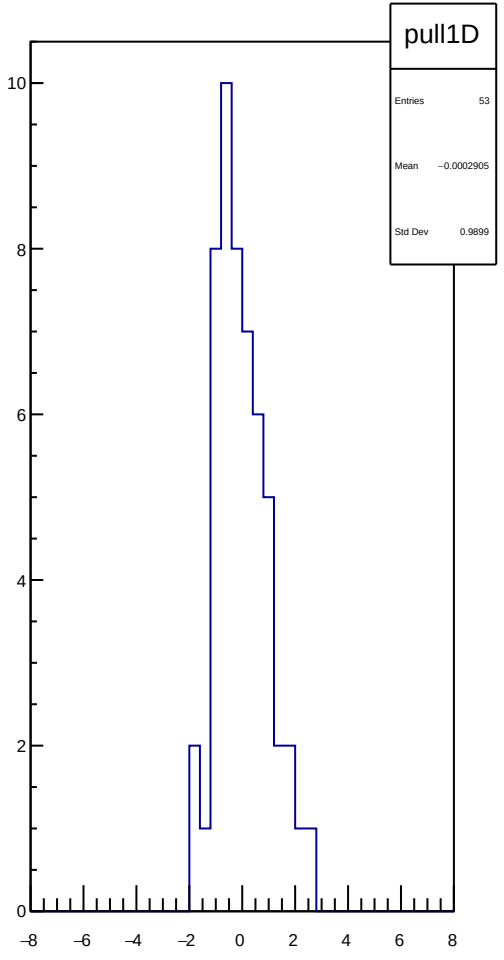

asym_sam_15_avg_correction_rms vs run
χ² / ndf 5577 / 52
p0 92.77 ± 0.09087
110
105
100
95
90
85
80
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

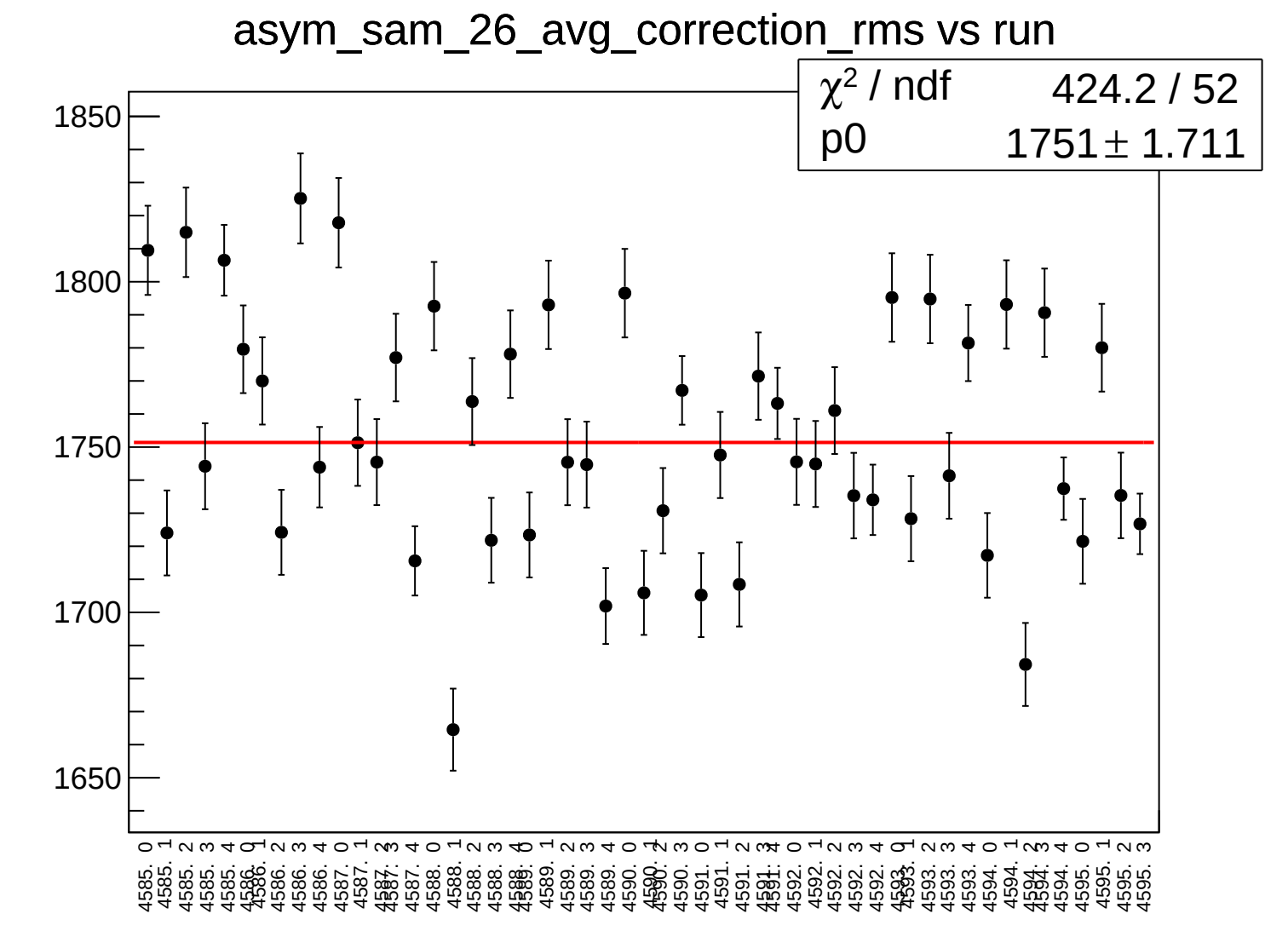

reg_asym_sam_26_avg_mean vs run
χ² / ndf 65.4 / 52
p0 677.2 ± 1675
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −69.96
Std Dev 81.36
2
1
0
−1
−2
−3

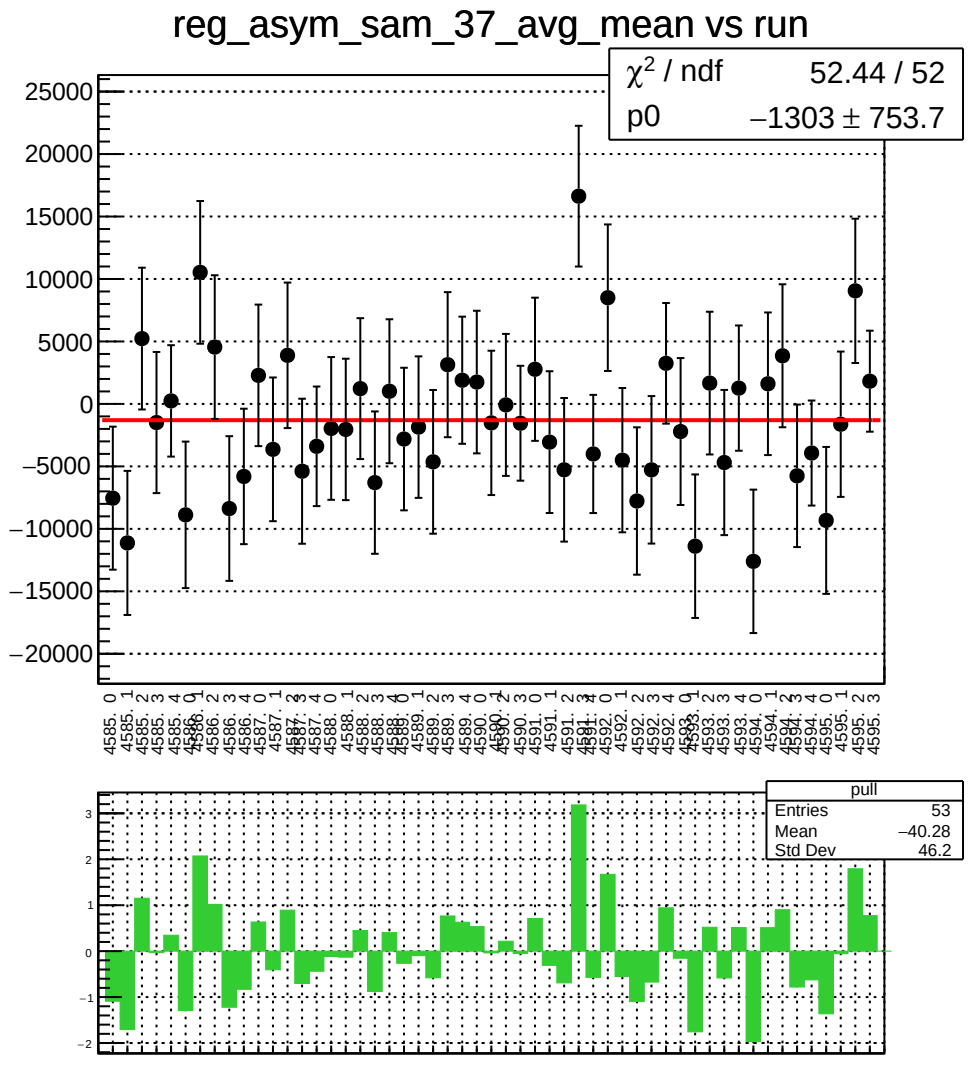

pull1D
Entries 53
Mean 0.006452
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

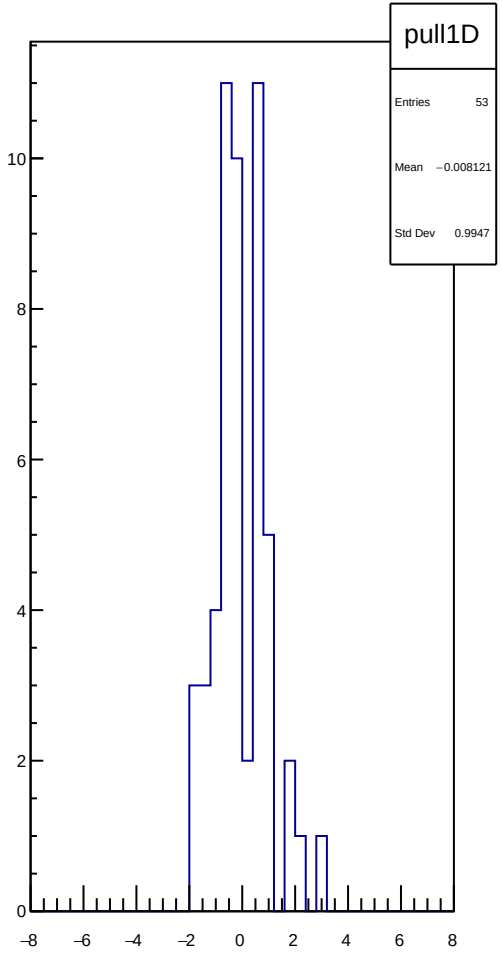

reg_asym_sam_26_avg_rms vs run
χ² / ndf 38.77 / 52
p0 1213 ± 1.185
1240
1230
1220
1210
1200
1190
1180

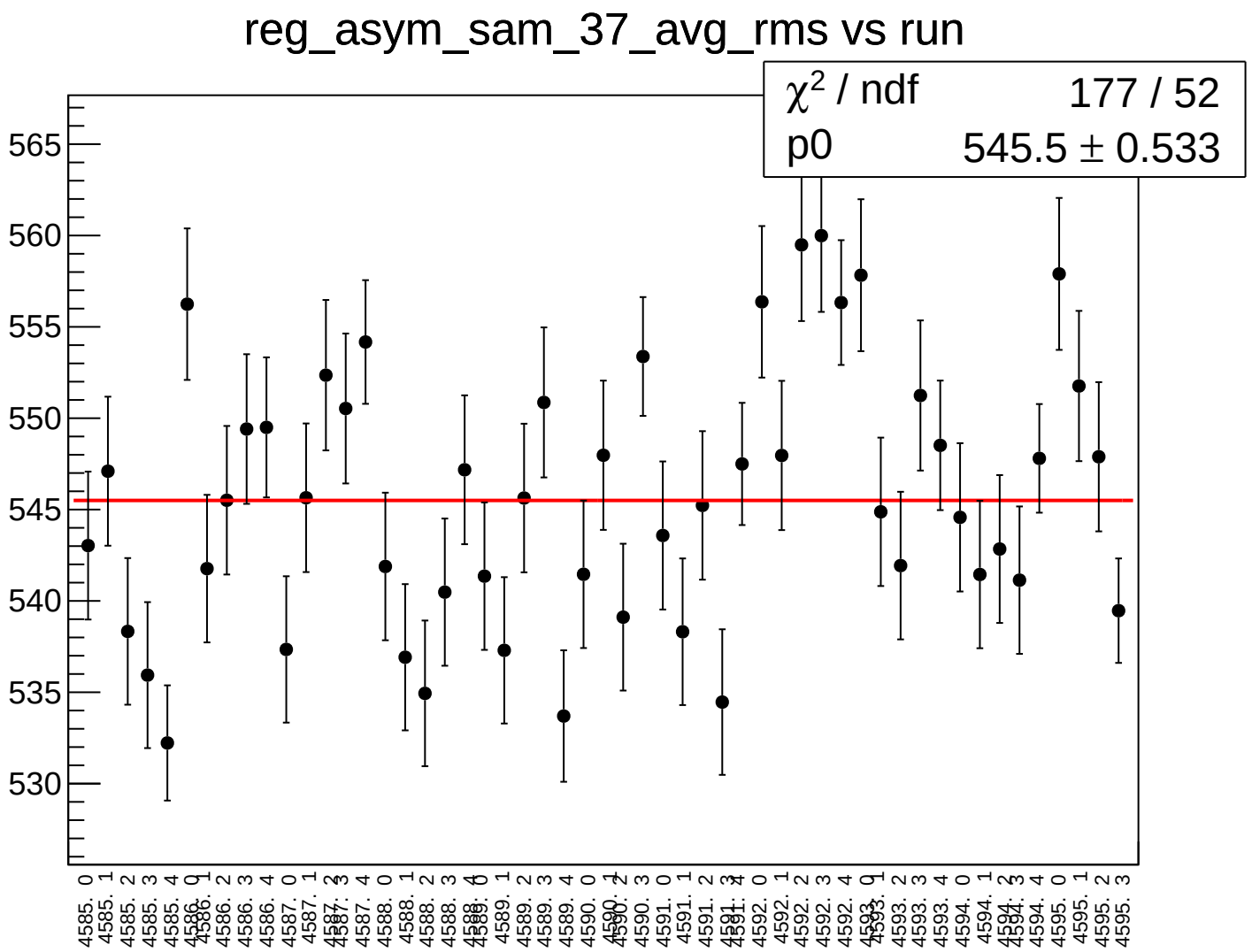

asym_sam_26_avg_correction_mean vs run
χ² / ndf 51.93 / 52
p0 2376 ± 2420
pull
Entries 53
Mean −3326
Std Dev 3338

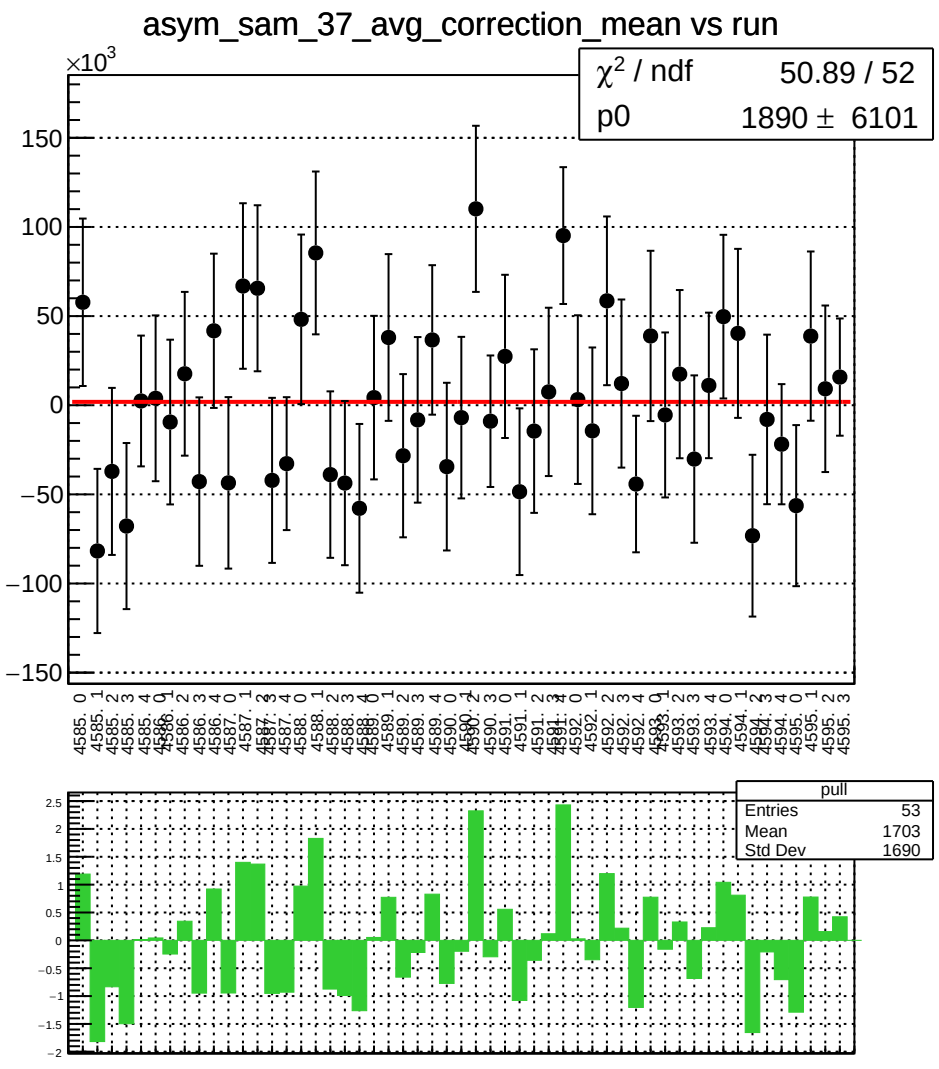

pull1D
Entries 53
Mean −0.0002905
Std Dev 0.9899

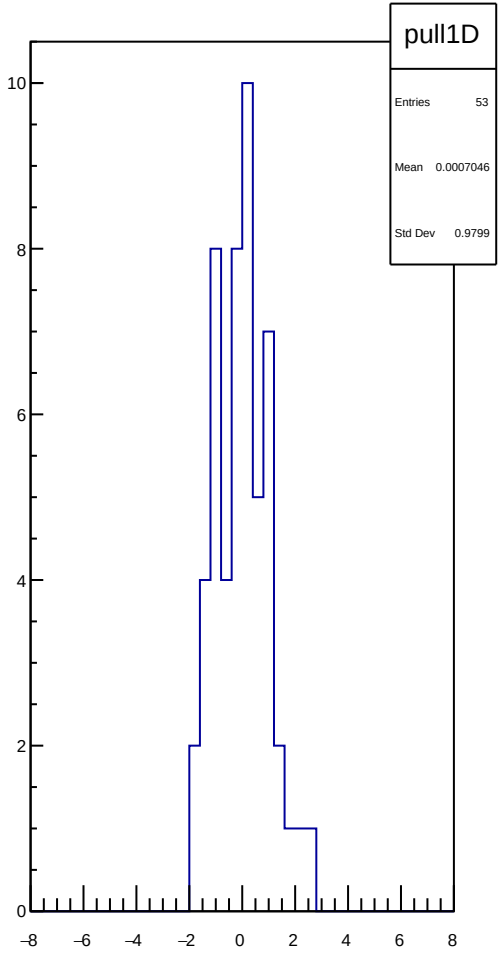

asym_sam_26_avg_correction_rms vs run
χ² / ndf 424.2 / 52
p0 1751 ± 1.711
1850
1800
1750
1700
1650
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

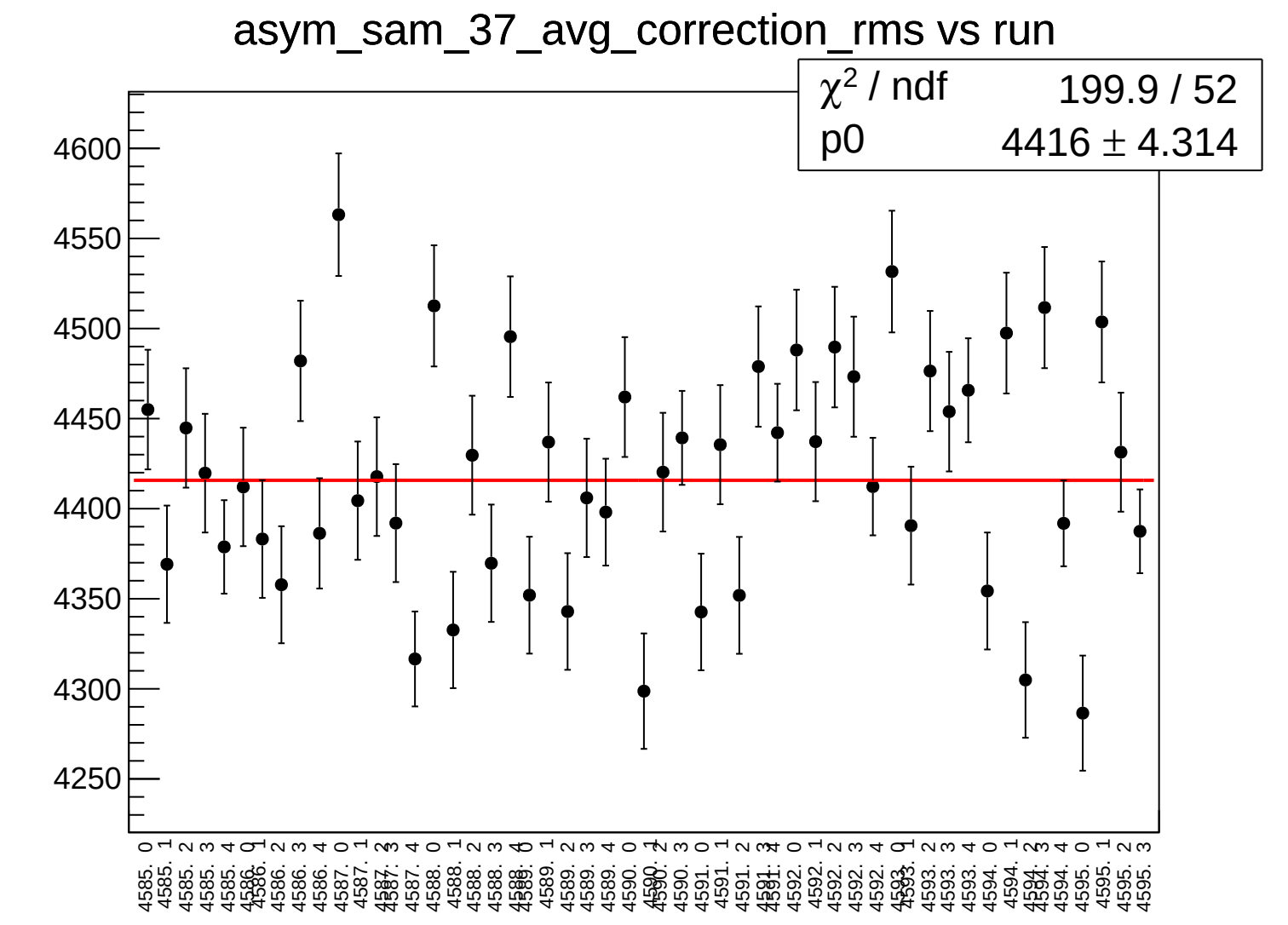

reg_asym_sam_37_avg_mean vs run
χ² / ndf 52.44 / 52
p0 −1303 ± 753.7
pull
Entries 53
Mean −40.28
Std Dev 46.2


pull1D
Entries 53
Mean −0.008121
Std Dev 0.9947


reg_asym_sam_37_avg_rms vs run
χ² / ndf 177 / 52
p0 545.5 ± 0.533
565
560
555
550
545
540
535
530
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_sam_37_avg_correction_mean vs run
×10^3
χ^2 / ndf 50.89 / 52
p0 1890 ± 6101
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean 1703
Std Dev 1690
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean 0.0007046
Std Dev 0.9799
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 199.9 / 52
p0 4416 ± 4.314
4600
4550
4500
4450
4400
4350
4300
4250
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
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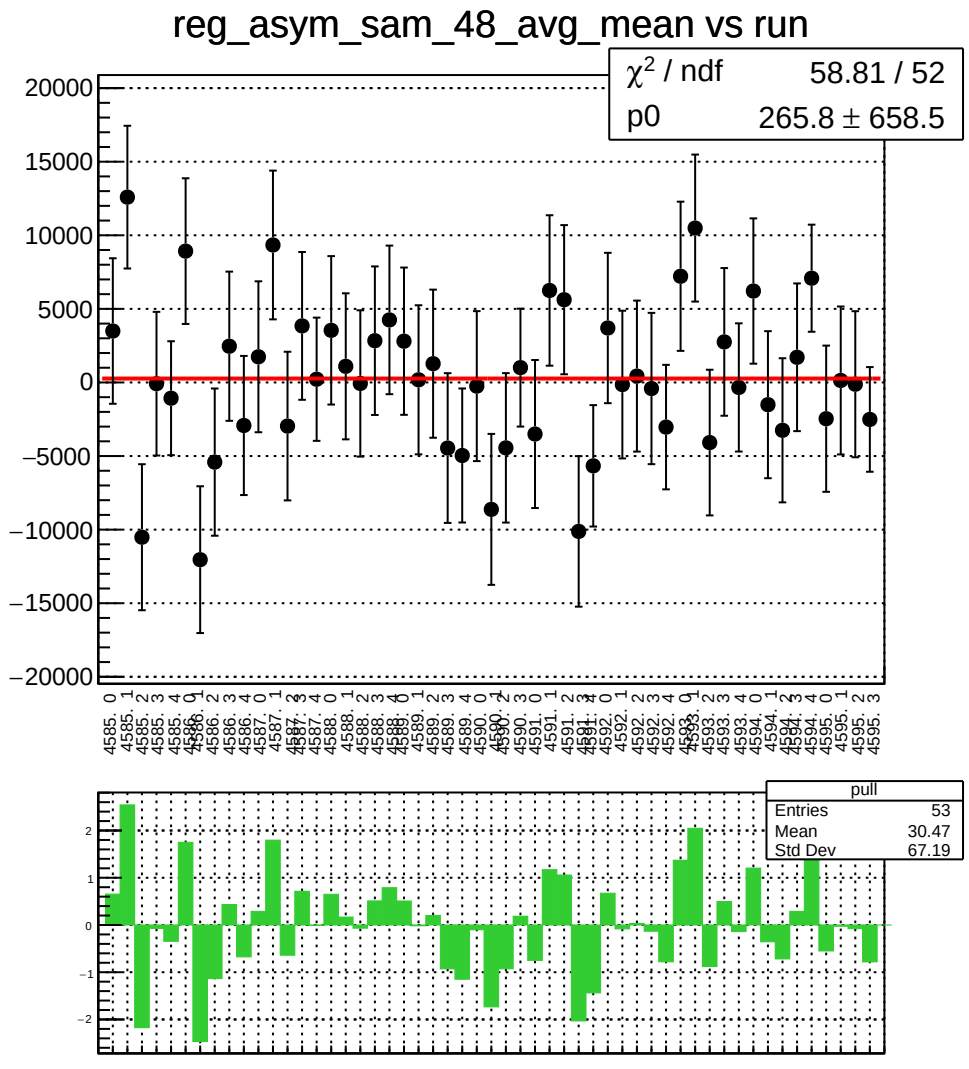
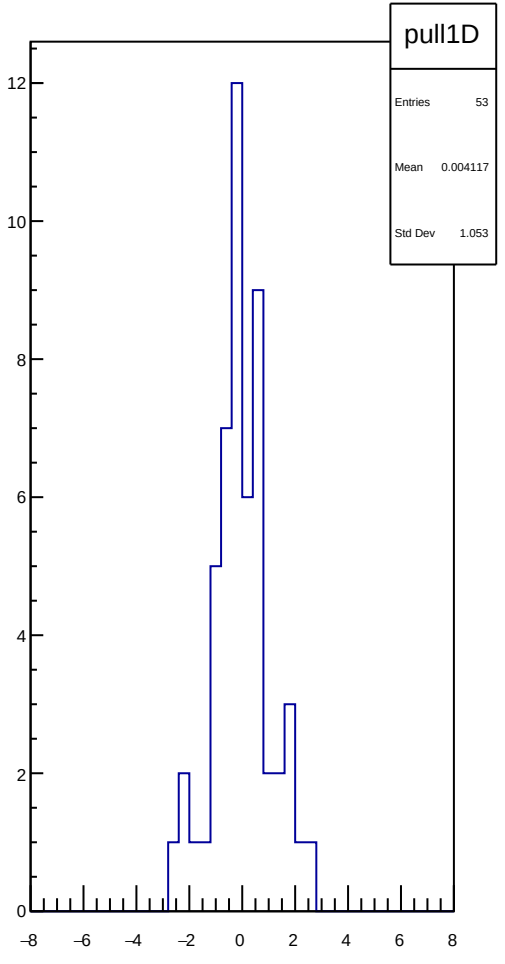
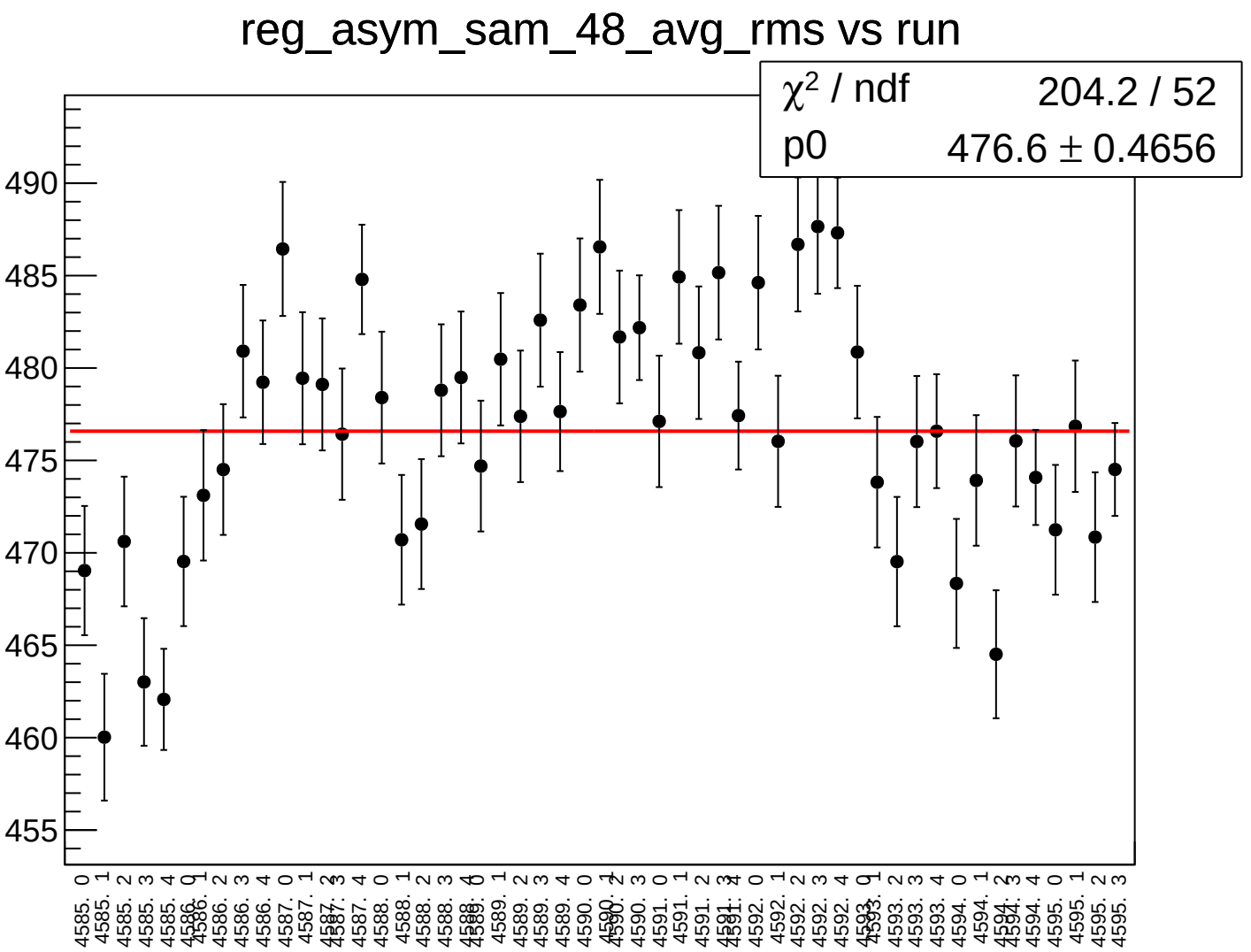
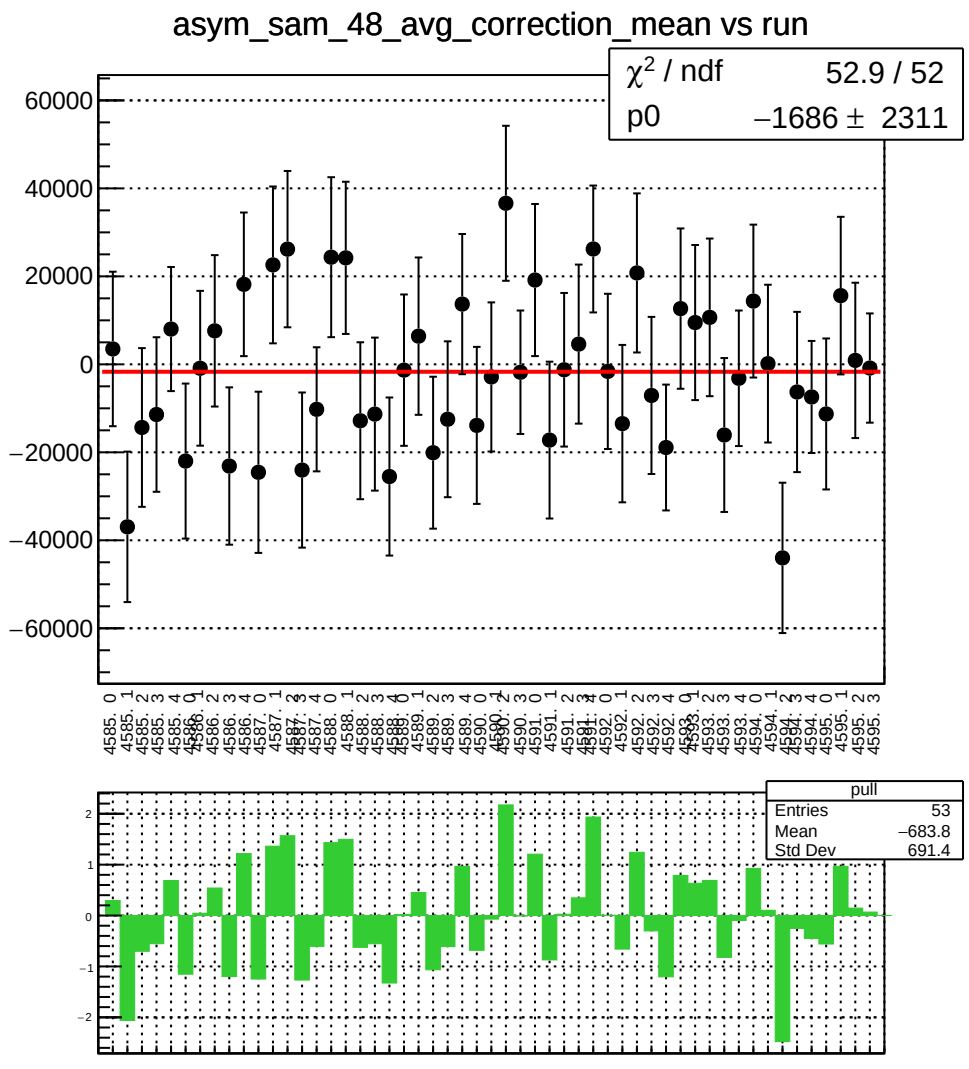
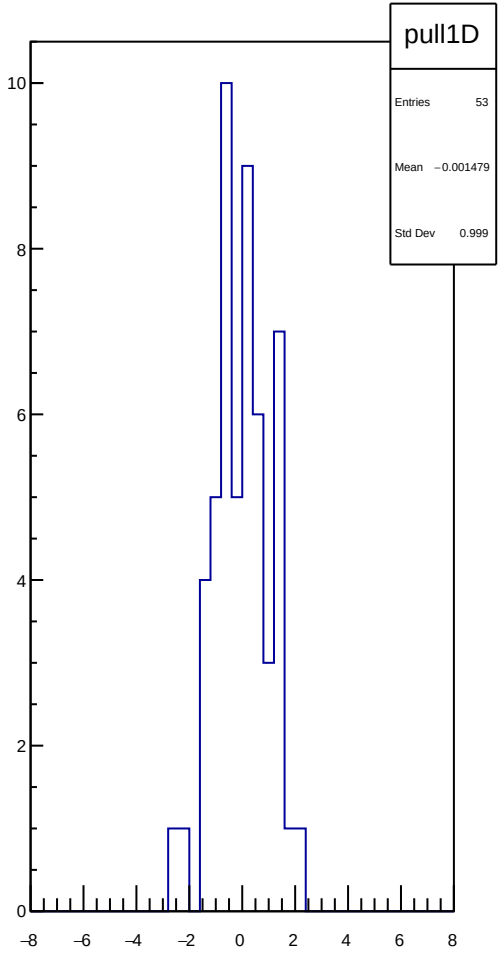
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

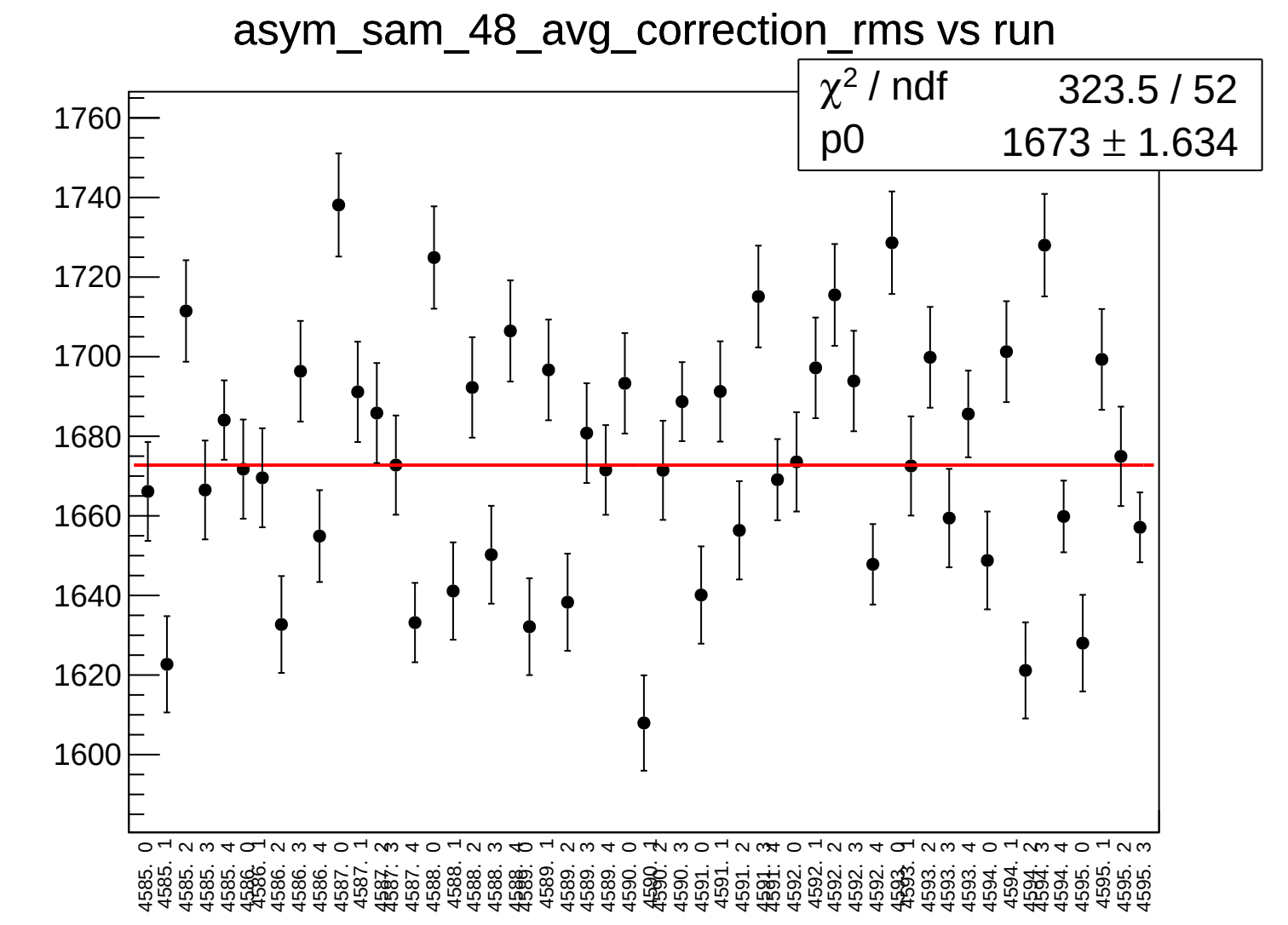

reg_asym_sam_48_avg_mean vs run
χ² / ndf 58.81 / 52
p0 265.8 ± 658.5
pull
Entries 53
Mean 30.47
Std Dev 67.19

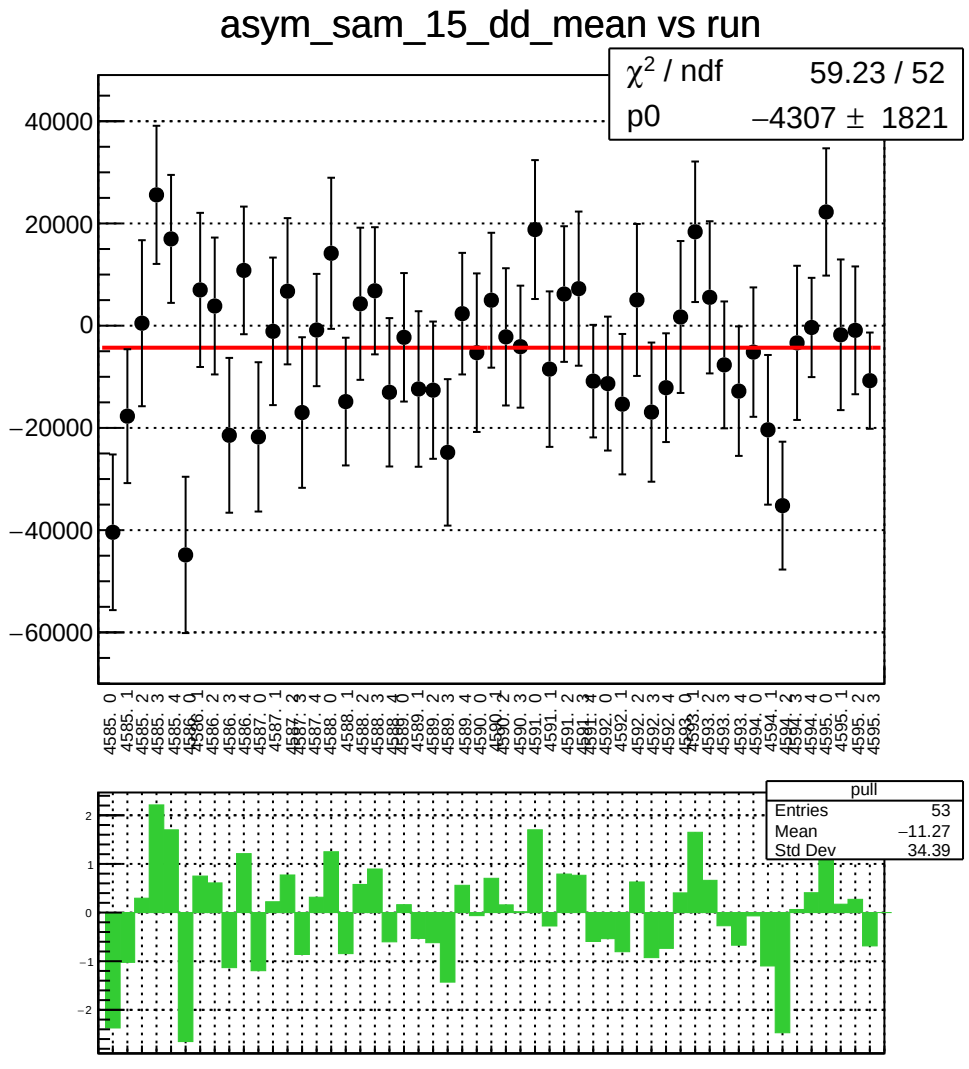

pull1D
Entries 53
Mean 0.004117
Std Dev 1.053

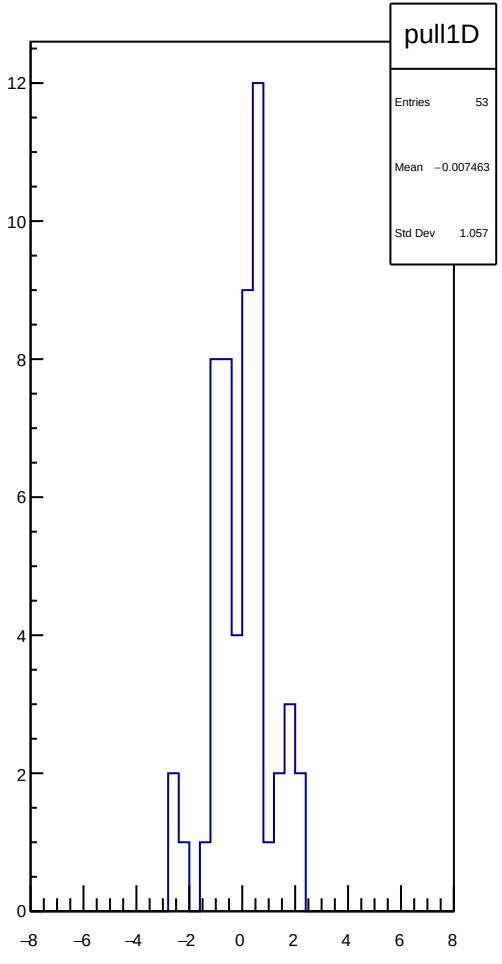

reg_asym_sam_48_avg_rms vs run
χ² / ndf 204.2 / 52
p0 476.6 ± 0.4656
490
485
480
475
470
465
460
455
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

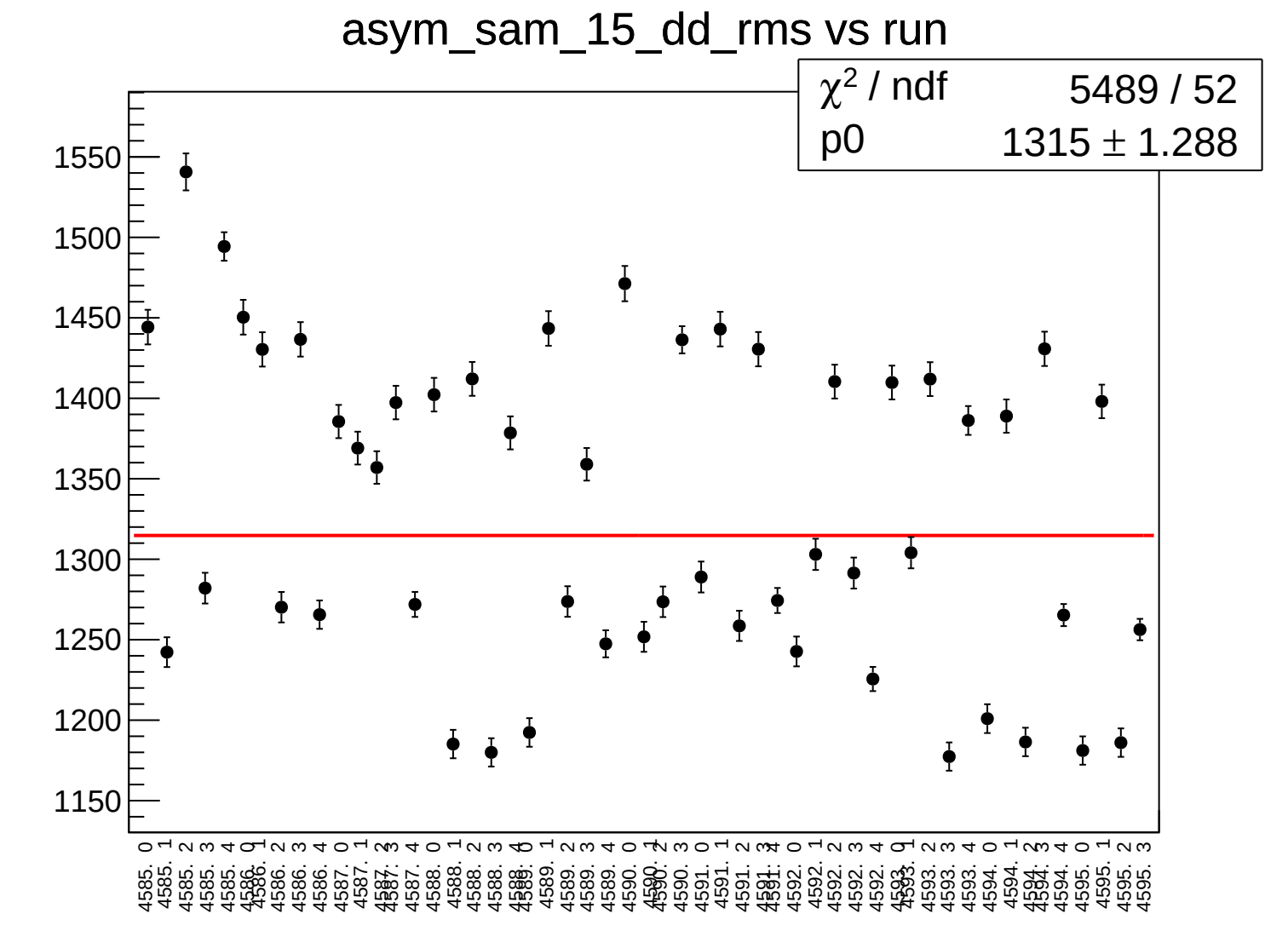

asym_sam_48_avg_correction_mean vs run
χ² / ndf 52.9 / 52
p0 −1686 ± 2311
pull
Entries 53
Mean −683.8
Std Dev 691.4

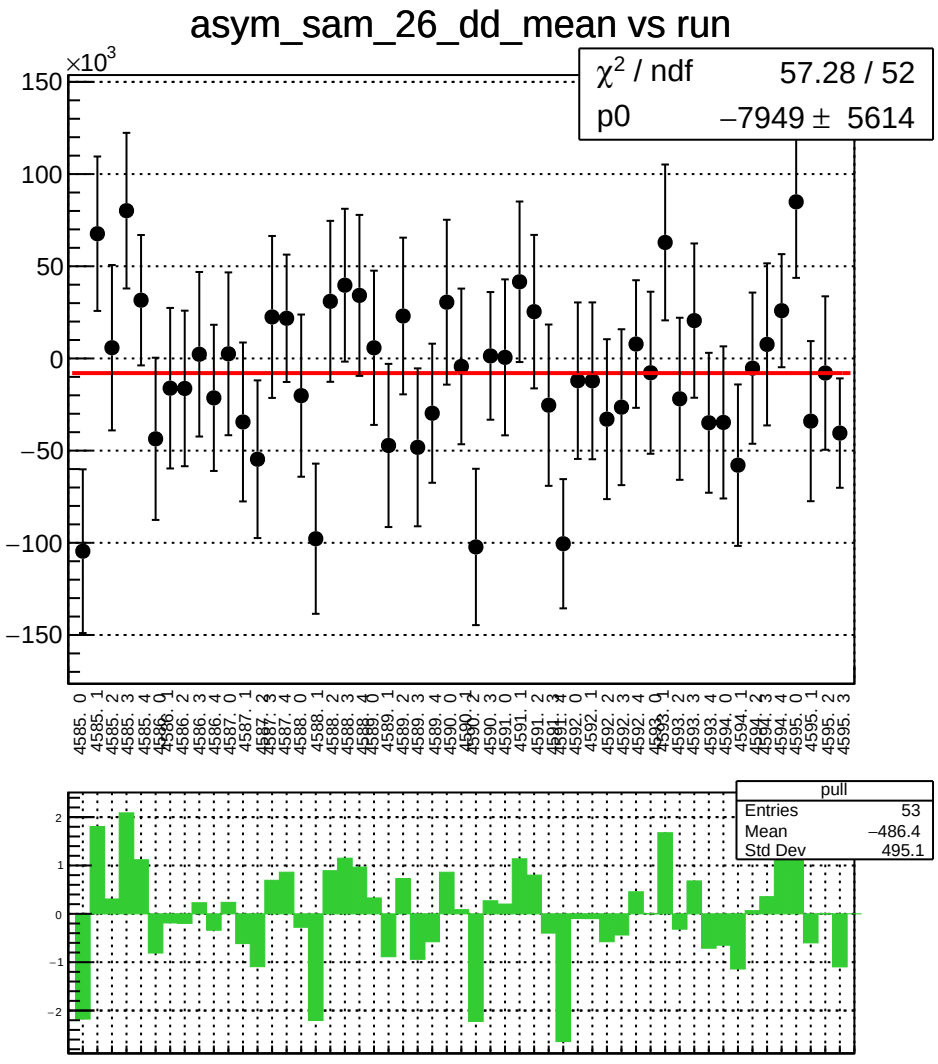

pull1D
Entries 53
Mean −0.001479
Std Dev 0.999

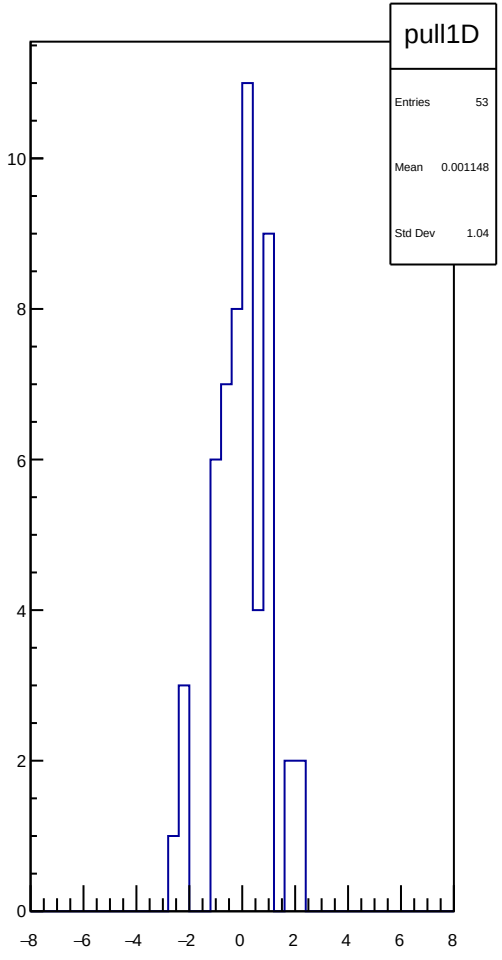

asym_sam_48_avg_correction_rms vs run
χ² / ndf 323.5 / 52
p0 1673 ± 1.634
1760
1740
1720
1700
1680
1660
1640
1620
1600
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4595. 0
4595. 1
4595. 2
4595. 3

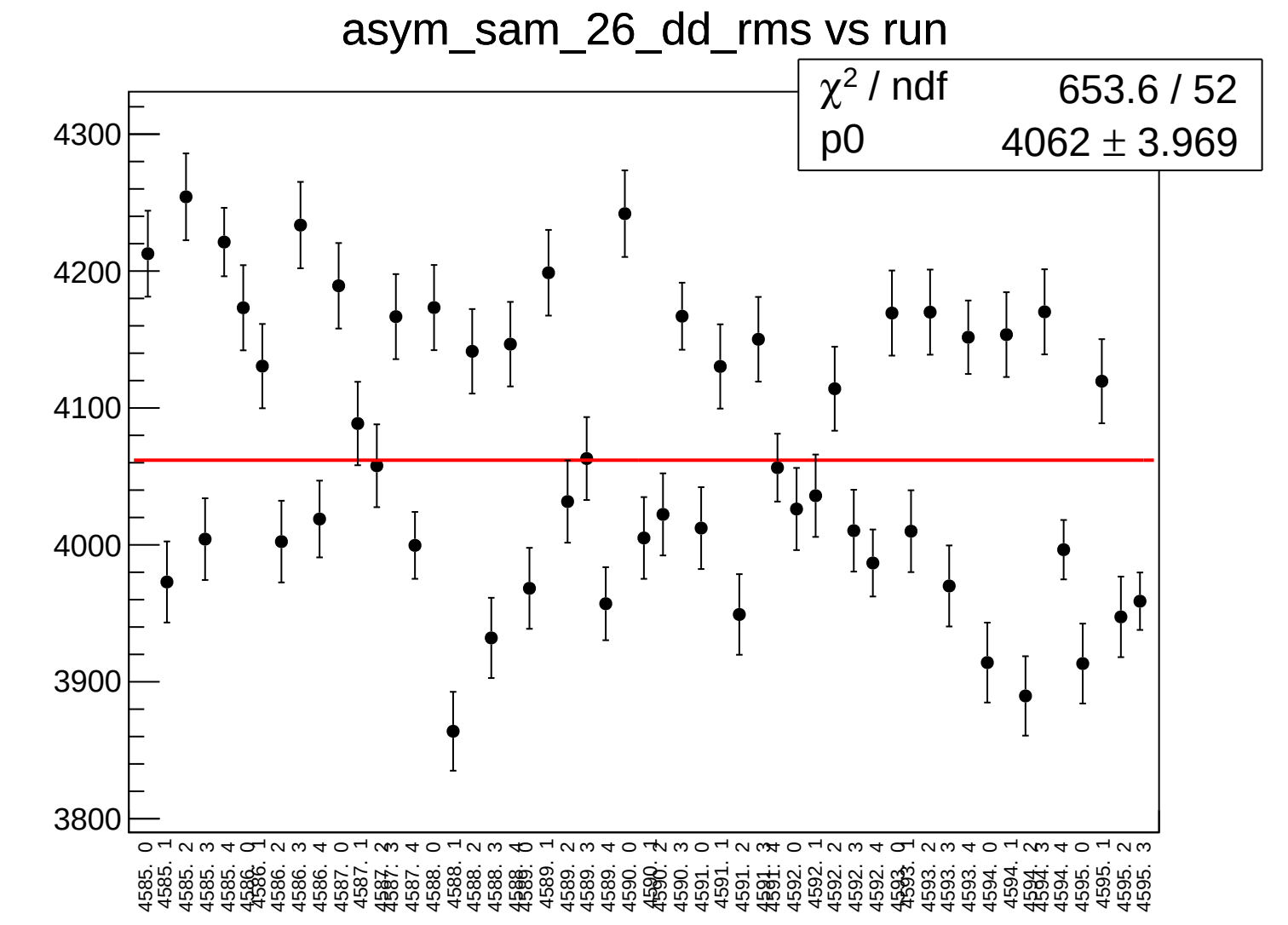

asym_sam_15_dd_mean vs run
χ² / ndf 59.23 / 52
p0 −4307 ± 1821
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −11.27
Std Dev 34.39
2
1
0
−1
−2

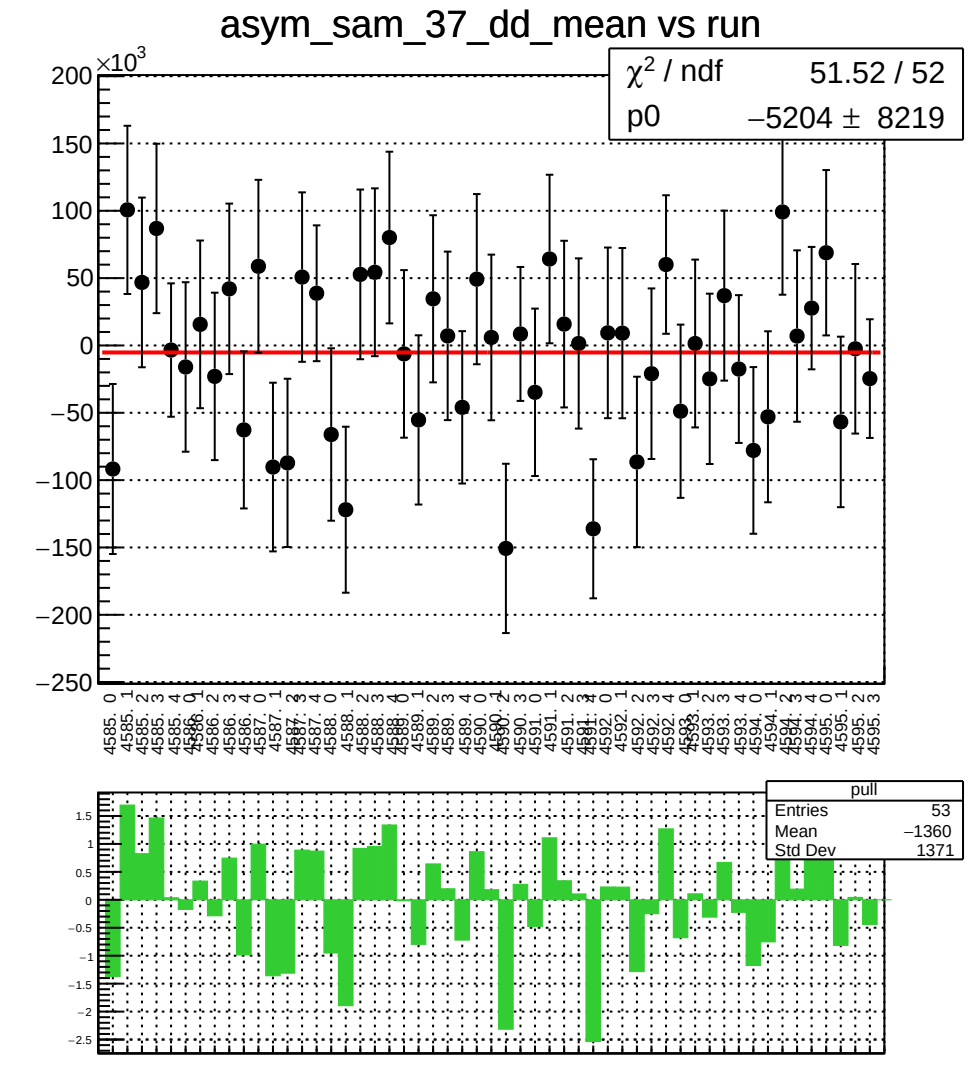

pull1D
Entries 53
Mean −0.007463
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

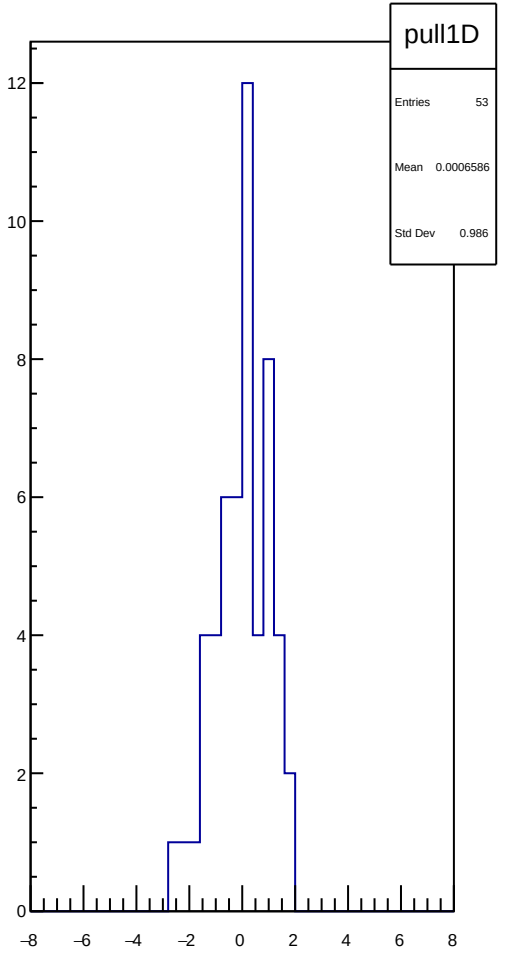

asym_sam_15_dd_rms vs run
χ^2 / ndf 5489 / 52
p0 1315 ± 1.288
1550
1500
1450
1400
1350
1300
1250
1200
1150

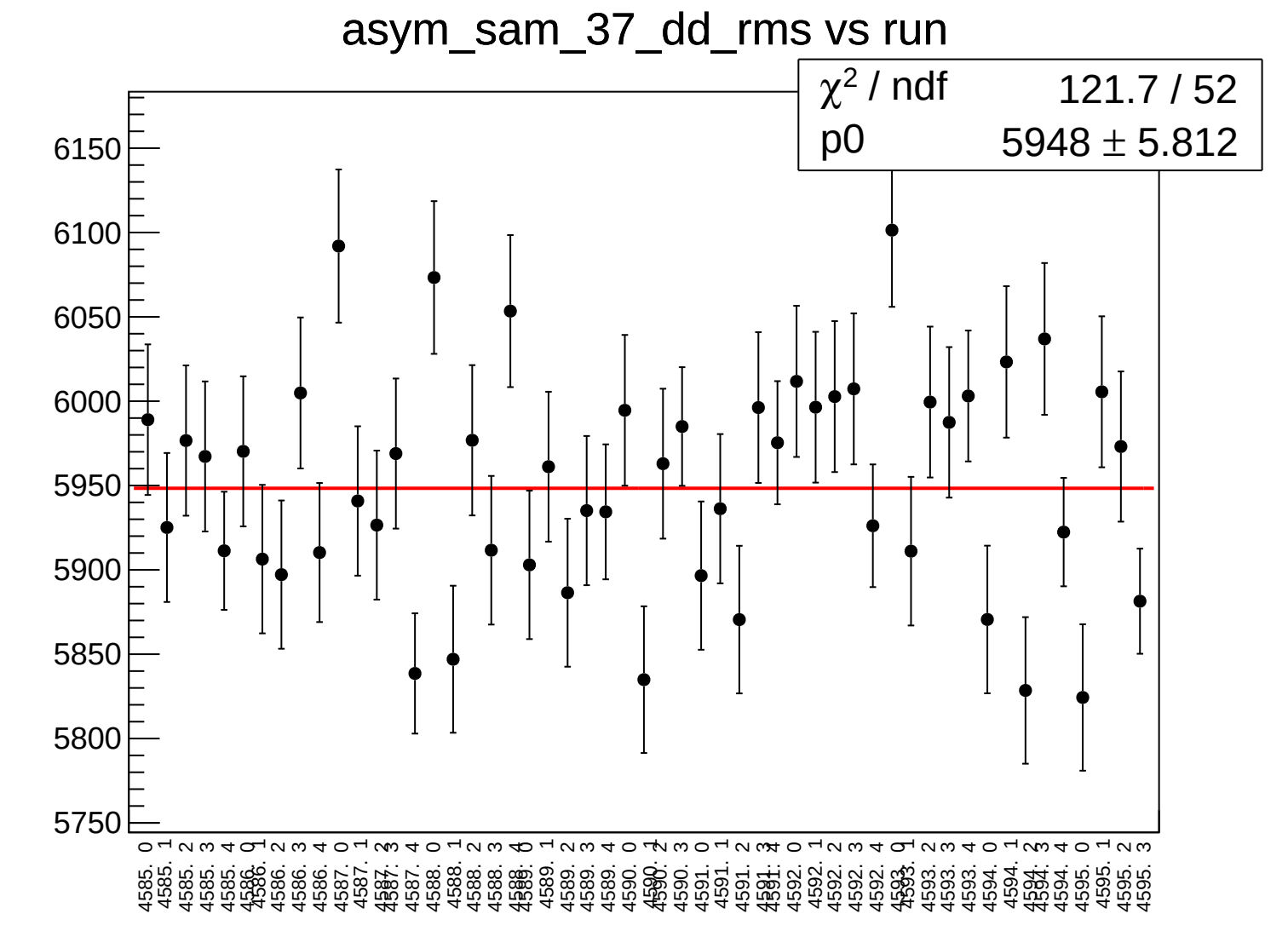

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 57.28 / 52
p0 −7949 ± 5614
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −486.4
Std Dev 495.1
2
1
0
−1
−2

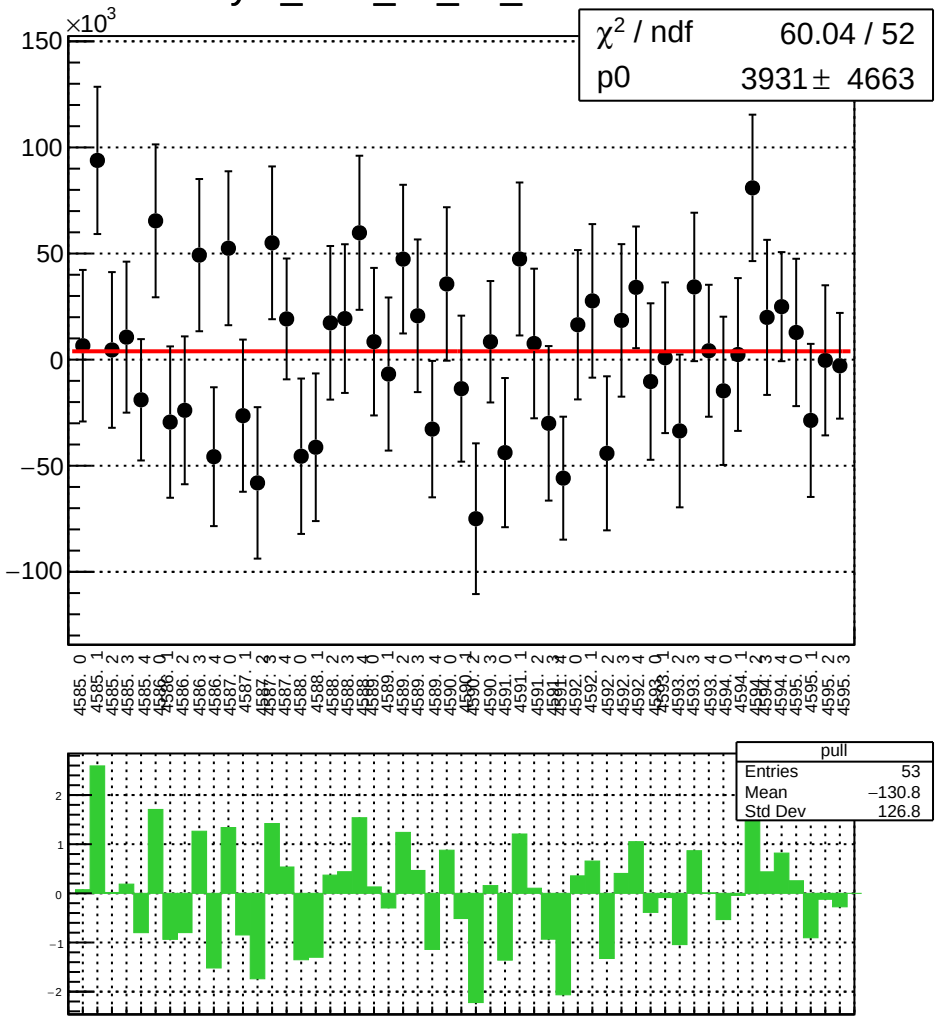

pull1D
Entries 53
Mean 0.001148
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

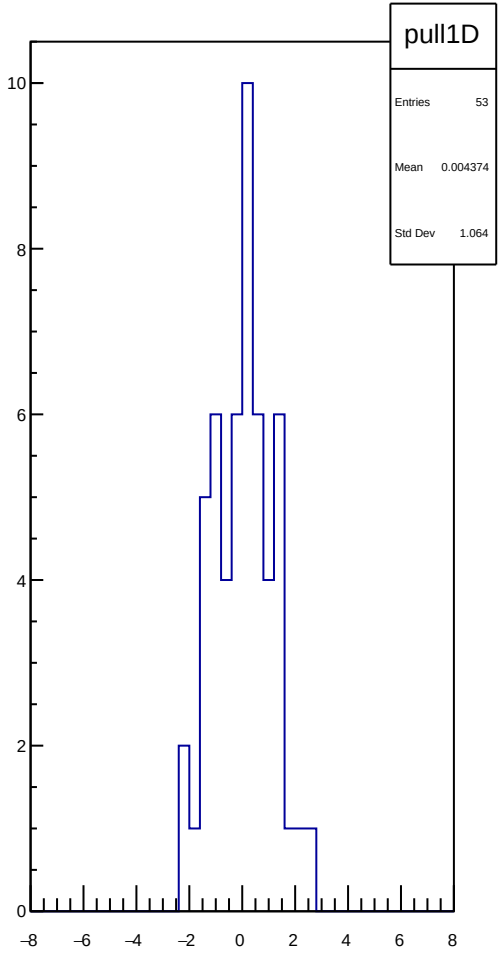

asym_sam_26_dd_rms vs run
χ² / ndf 653.6 / 52
p0 4062 ± 3.969
4300
4200
4100
4000
3900
3800
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

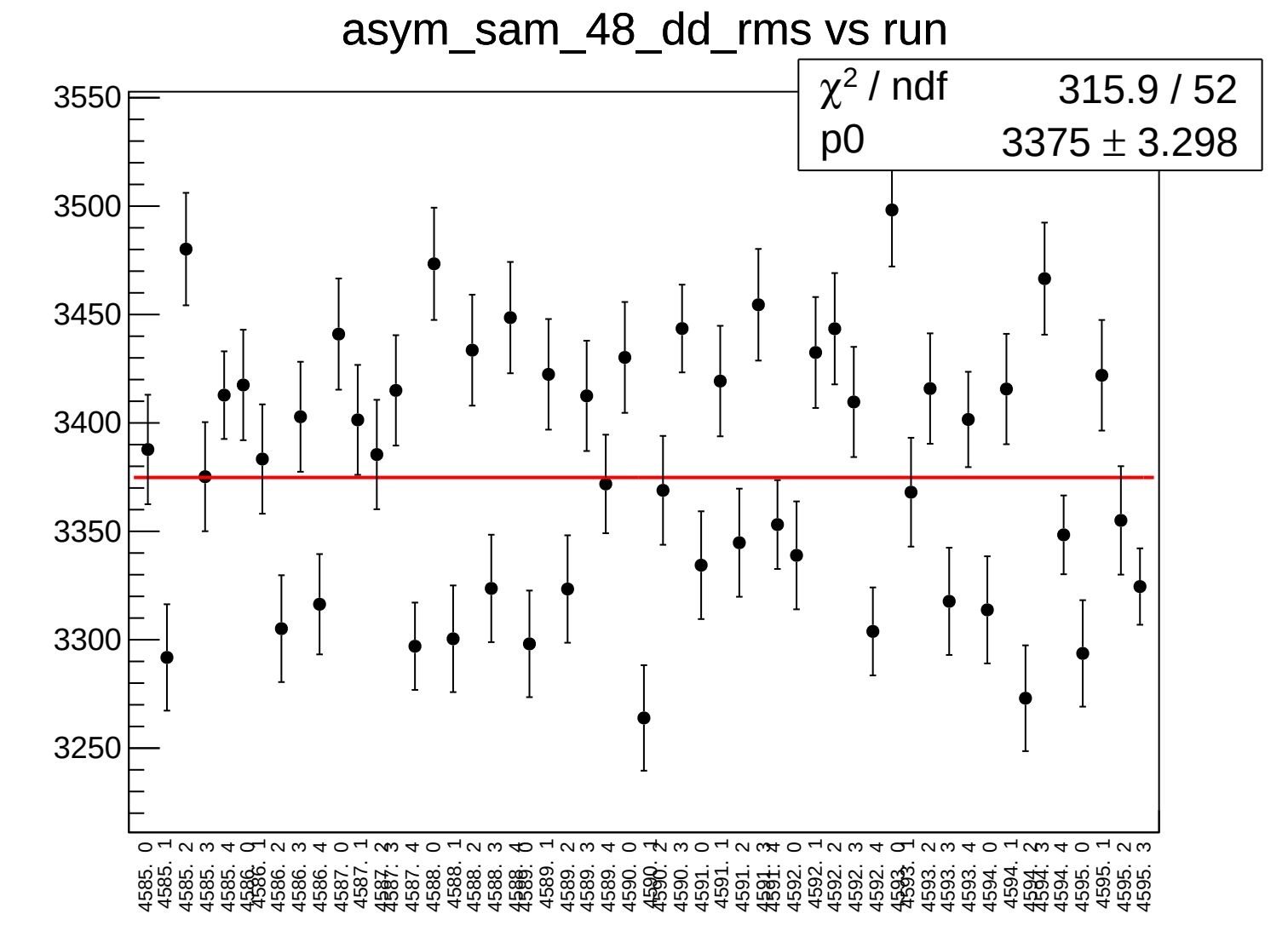

asym_sam_37_dd_mean vs run
χ² / ndf 51.52 / 52
p0 −5204 ± 8219
pull
Entries 53
Mean −1360
Std Dev 1371

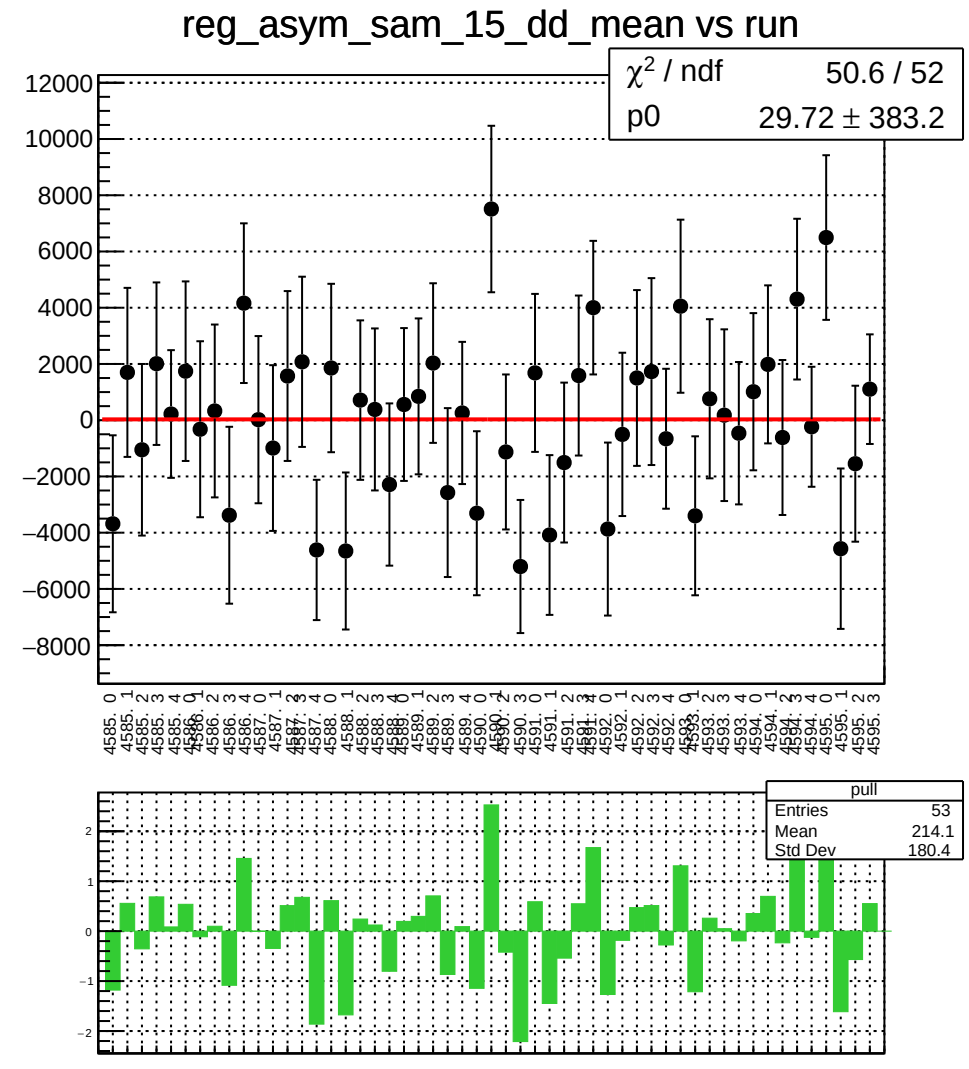

pull1D
Entries 53
Mean 0.0006586
Std Dev 0.986

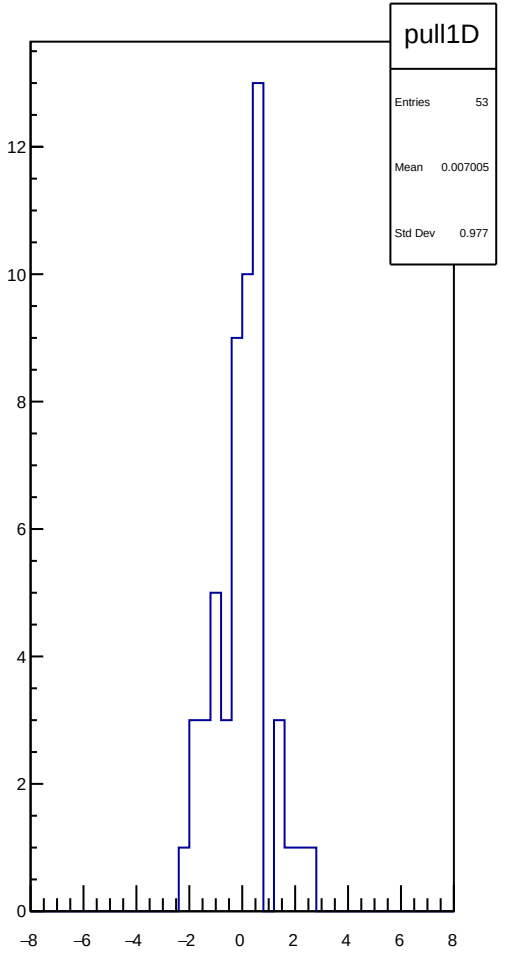

asym_sam_37_dd_rms vs run
χ² / ndf 121.7 / 52
p0 5948 ± 5.812
6150
6100
6050
6000
5950
5900
5850
5800
5750
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

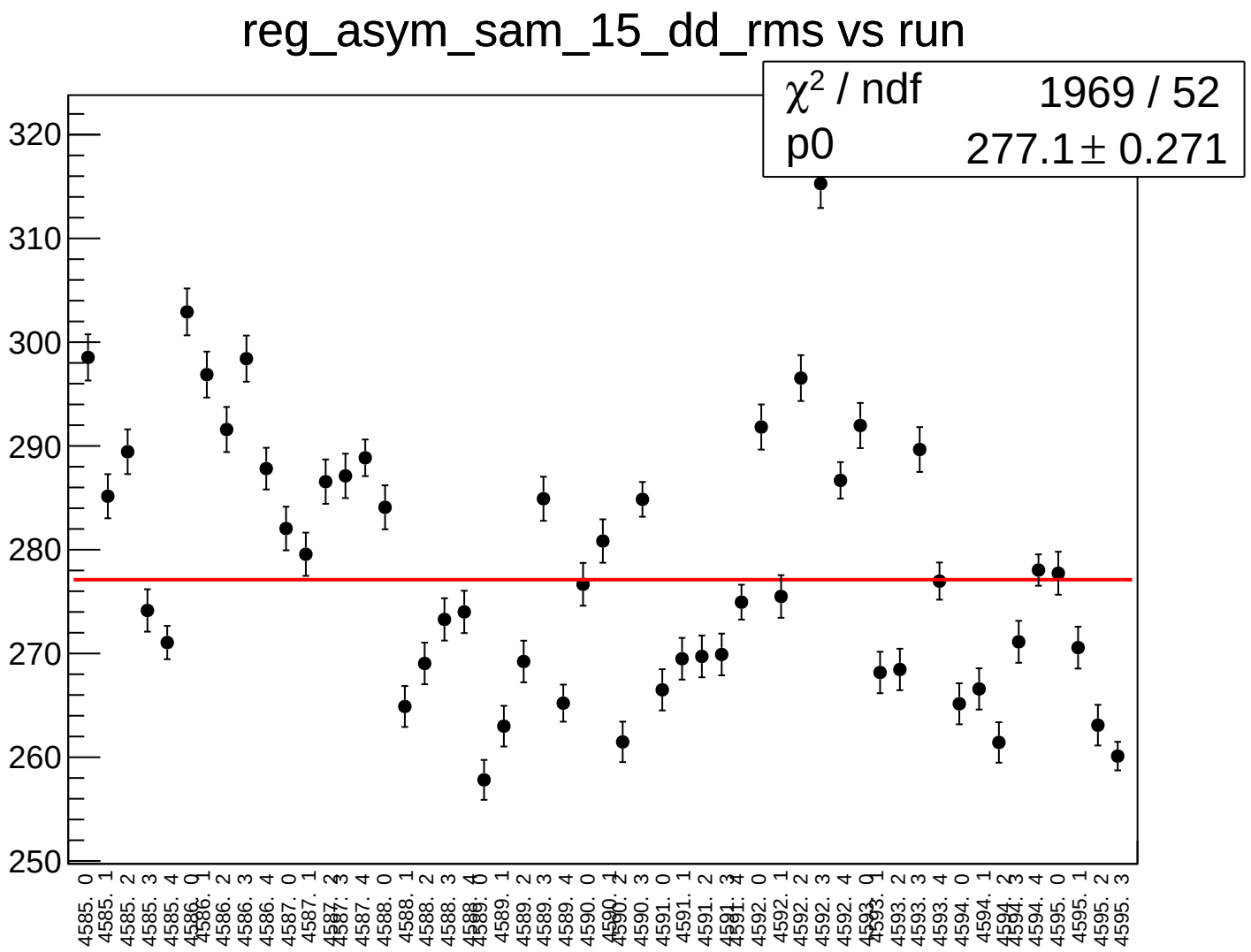

asym_sam_48_dd_mean vs run
χ² / ndf 60.04 / 52
p0 3931 ± 4663
×10³
pull
Entries 53
Mean −130.8
Std Dev 126.8

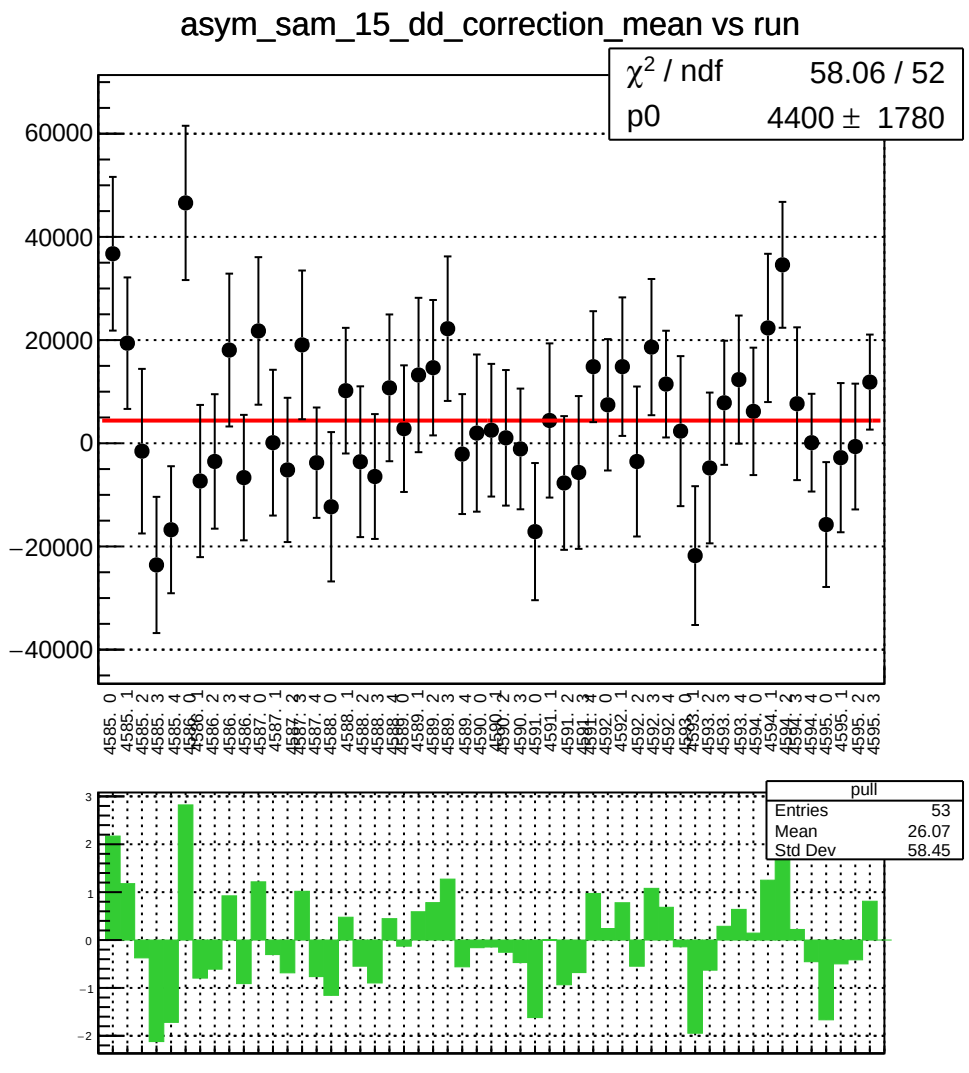

pull1D
Entries 53
Mean 0.004374
Std Dev 1.064

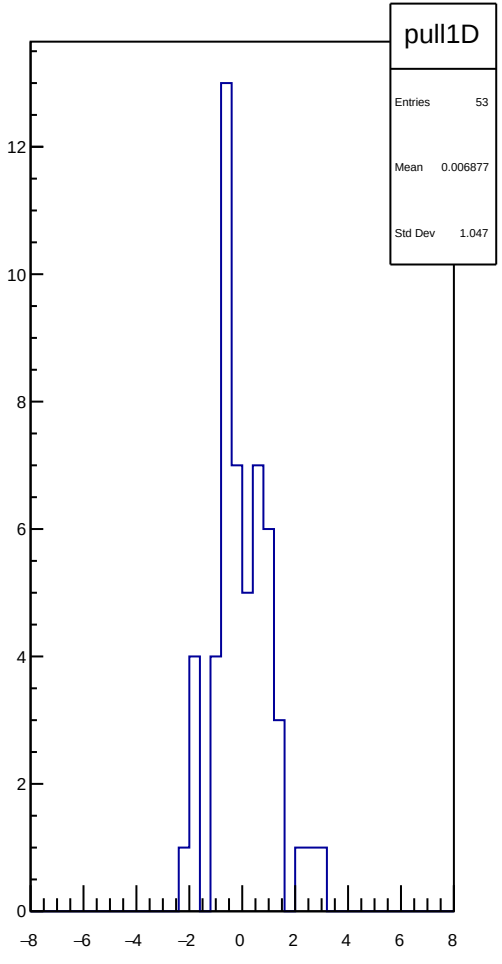

asym_sam_48_dd_rms vs run
χ² / ndf 315.9 / 52
p0 3375 ± 3.298
3550
3500
3450
3400
3350
3300
3250

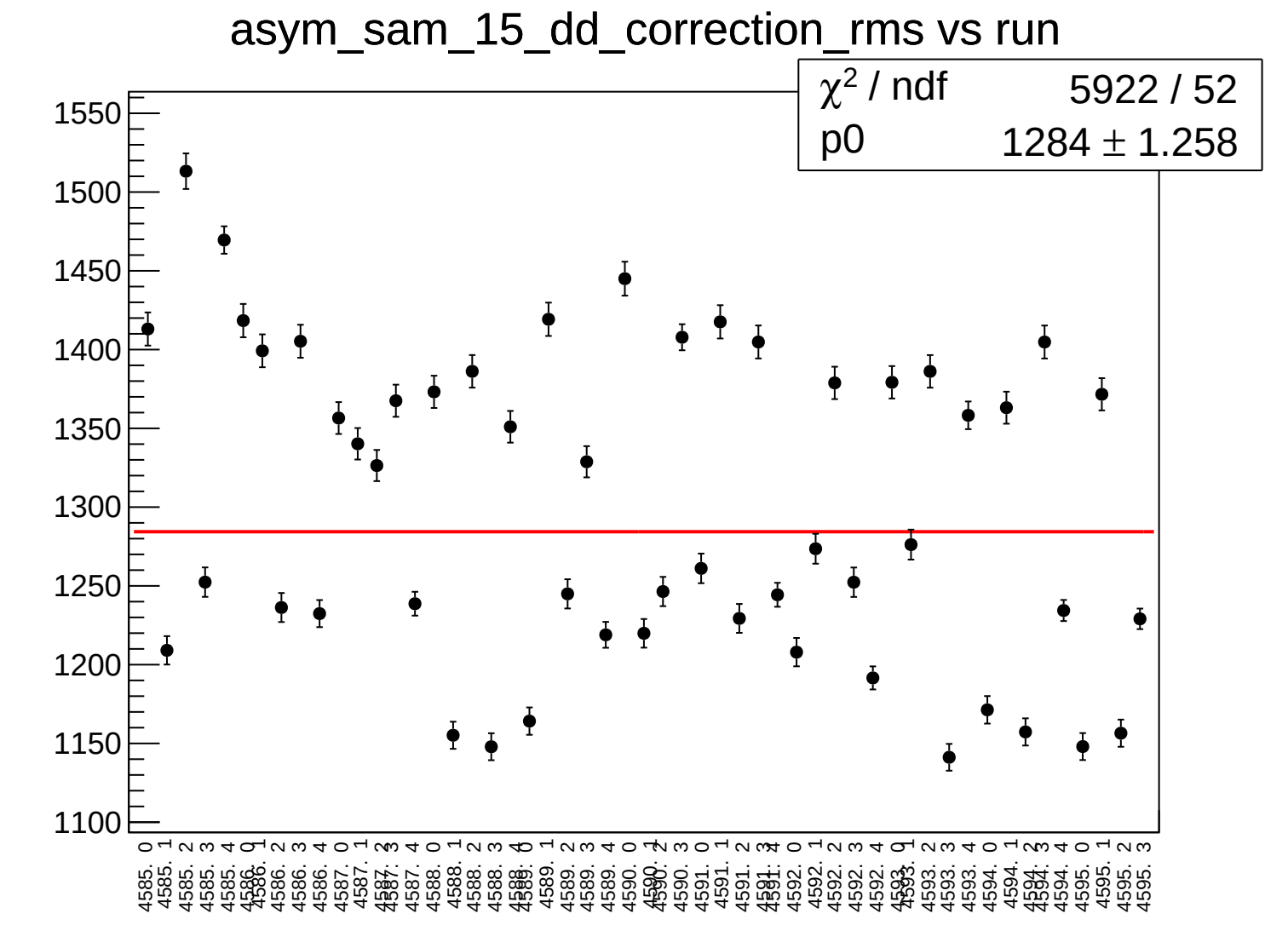

reg_asym_sam_15_dd_mean vs run
χ² / ndf 50.6 / 52
p0 29.72 ± 383.2
pull
Entries 53
Mean 214.1
Std Dev 180.4

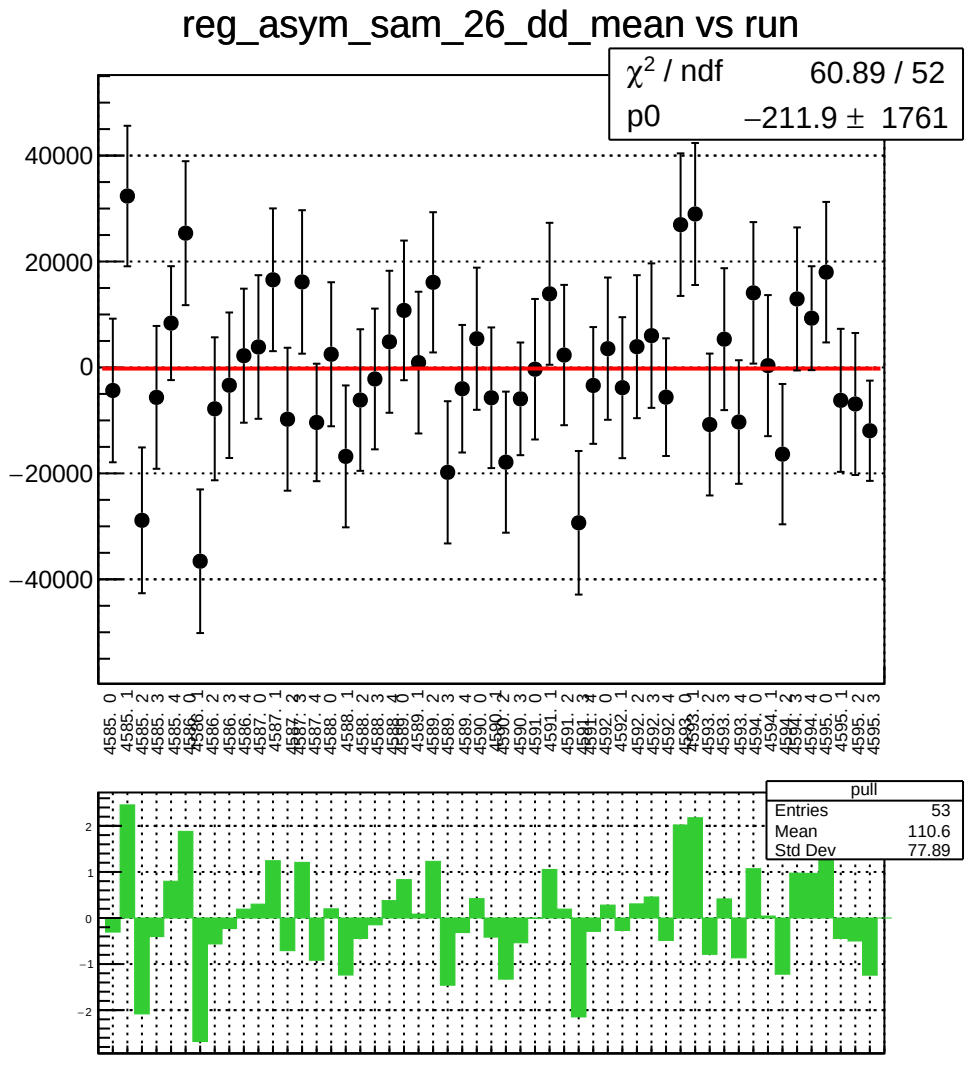

pull1D
Entries 53
Mean 0.007005
Std Dev 0.977

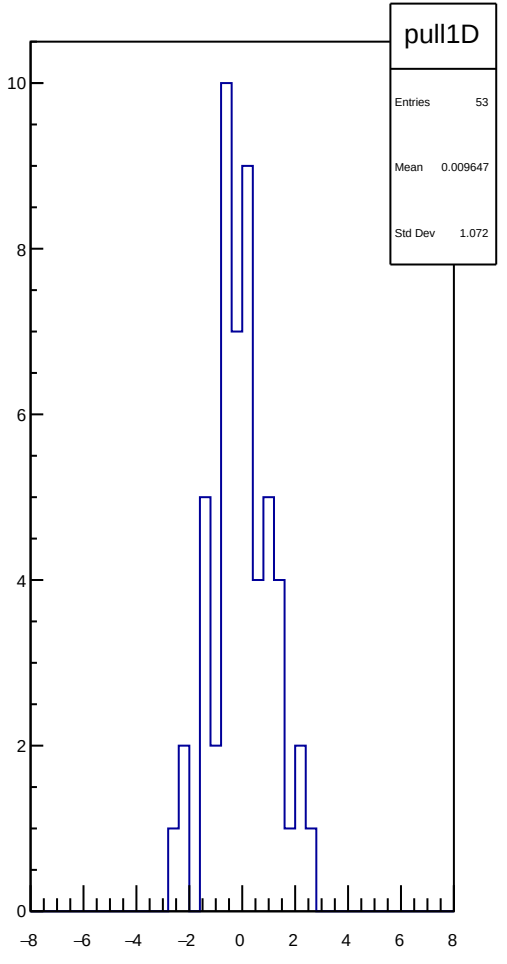

reg_asym_sam_15_dd_rms vs run
χ² / ndf 1969 / 52
p0 277.1 ± 0.271
320
310
300
290
280
270
260
250
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

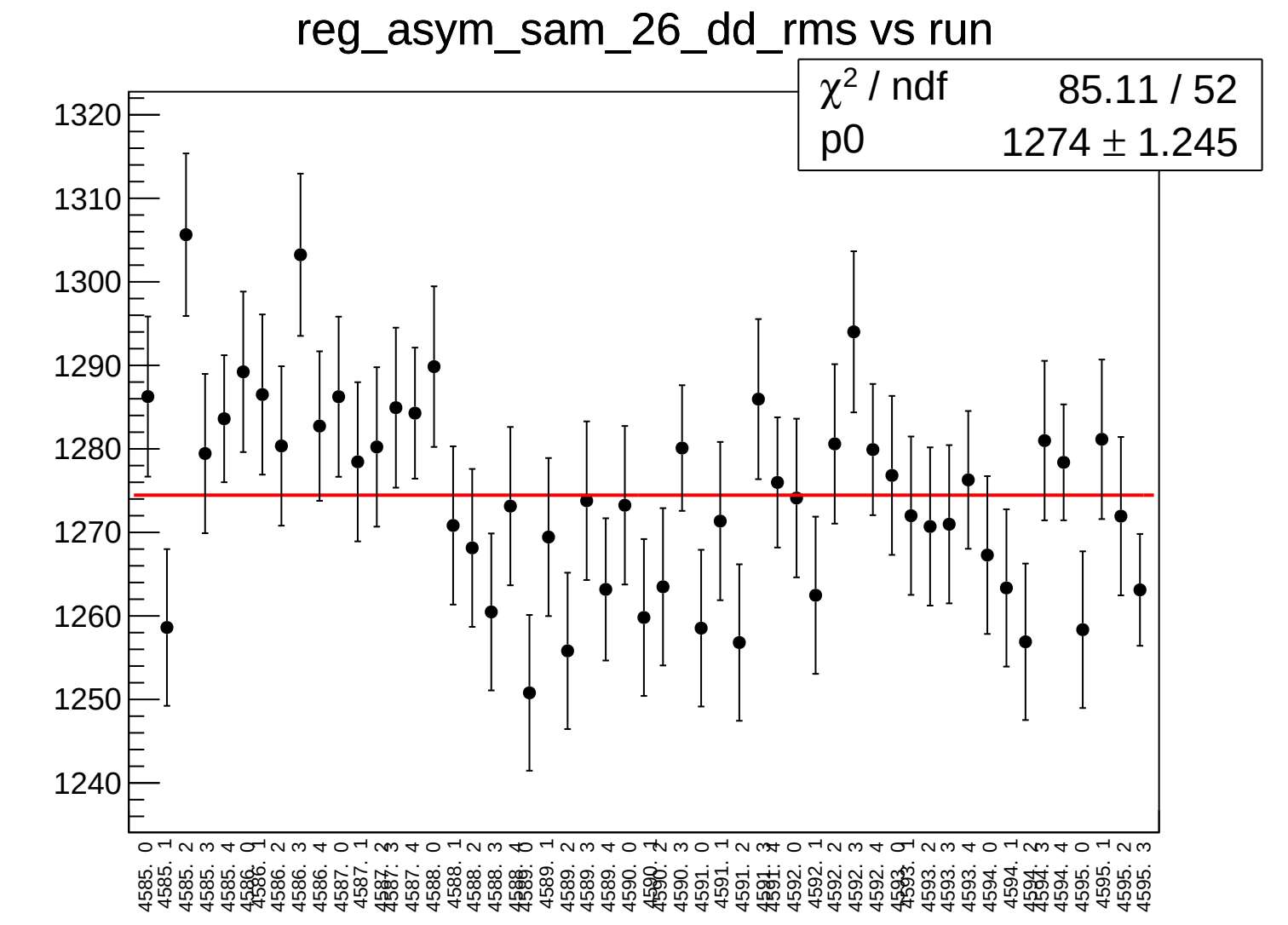

asym_sam_15_dd_correction_mean vs run
χ² / ndf 58.06 / 52
p0 4400 ± 1780
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 26.07
Std Dev 58.45
3
2
1
0
−1
−2

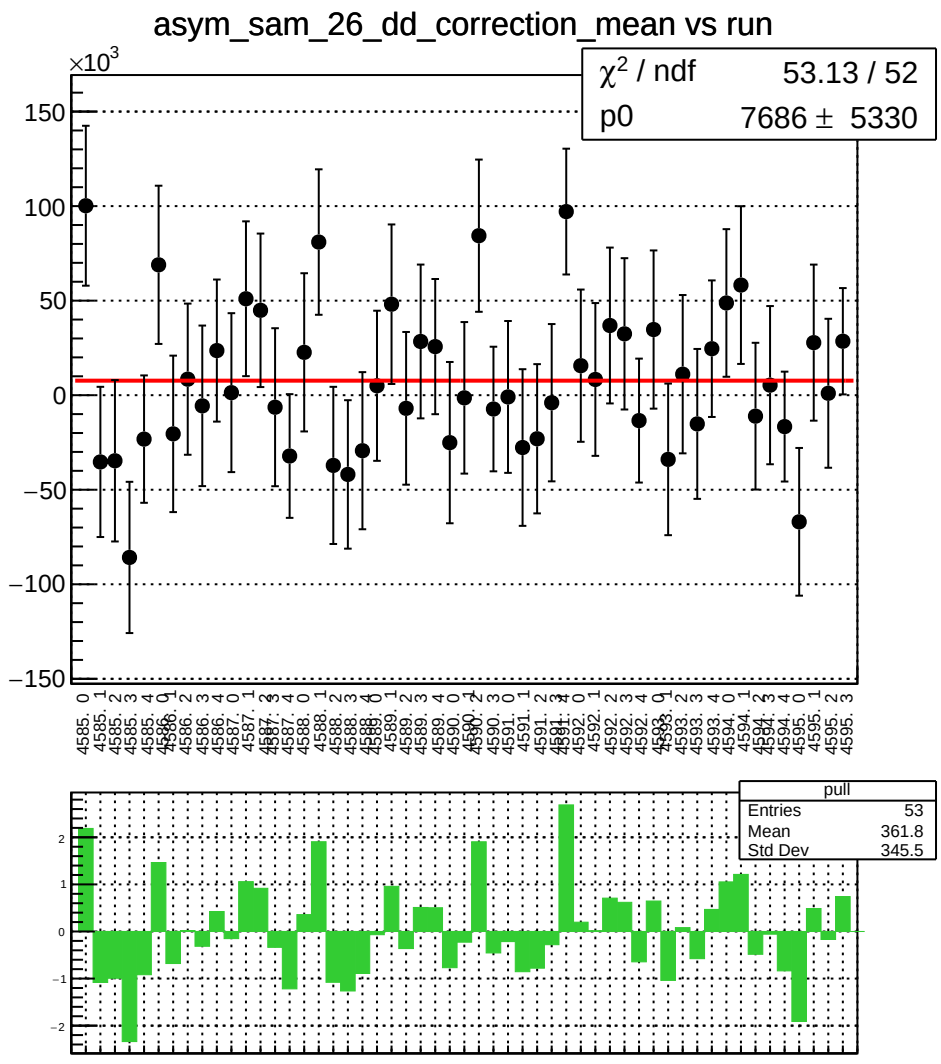

pull1D
Entries 53
Mean 0.006877
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

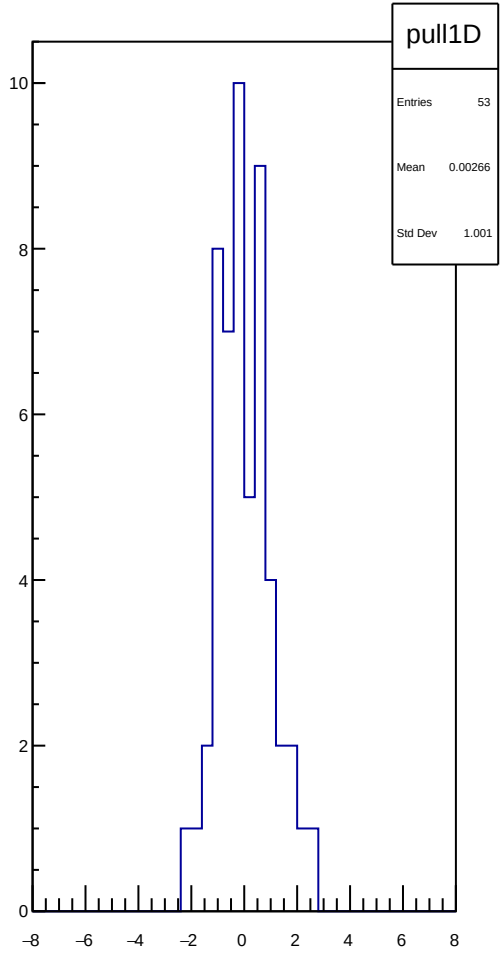

asym_sam_15_dd_correction_rms vs run
χ² / ndf 5922 / 52
p0 1284 ± 1.258
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

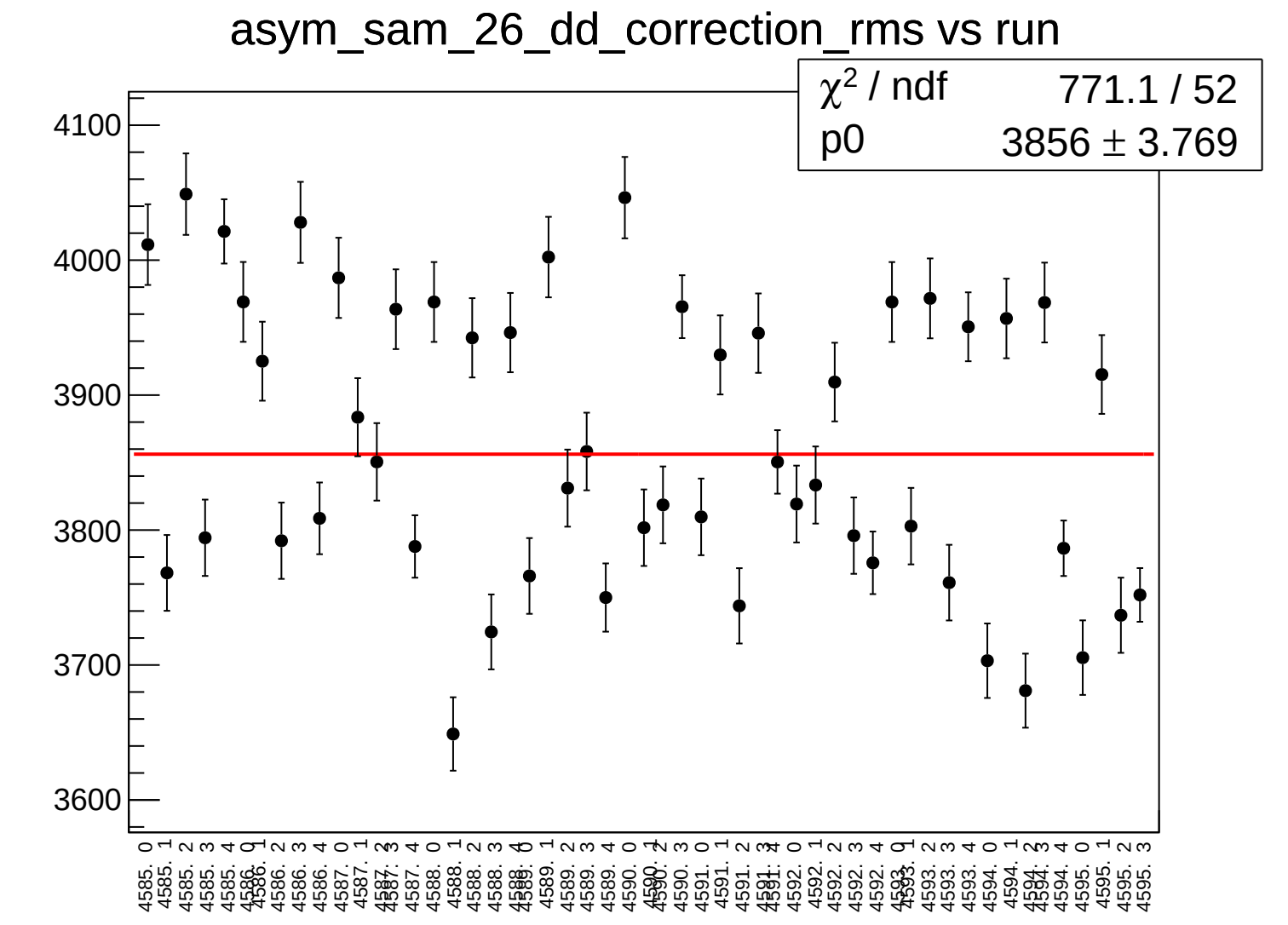

reg_asym_sam_26_dd_mean vs run
χ² / ndf 60.89 / 52
p0 −211.9 ± 1761
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 110.6
Std Dev 77.89
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.009647
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_dd_rms vs run
χ² / ndf 85.11 / 52
p0 1274 ± 1.245
1320
1310
1300
1290
1280
1270
1260
1250
1240
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3


asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 53.13 / 52
p0 7686 ± 5330
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean 361.8
Std Dev 345.5
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.00266
Std Dev 1.001
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_correction_rms vs run
χ² / ndf 771.1 / 52
p0 3856 ± 3.769
4100
4000
3900
3800
3700
3600
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
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4589. 2
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4590. 3
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4591. 1
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4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
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4594. 2
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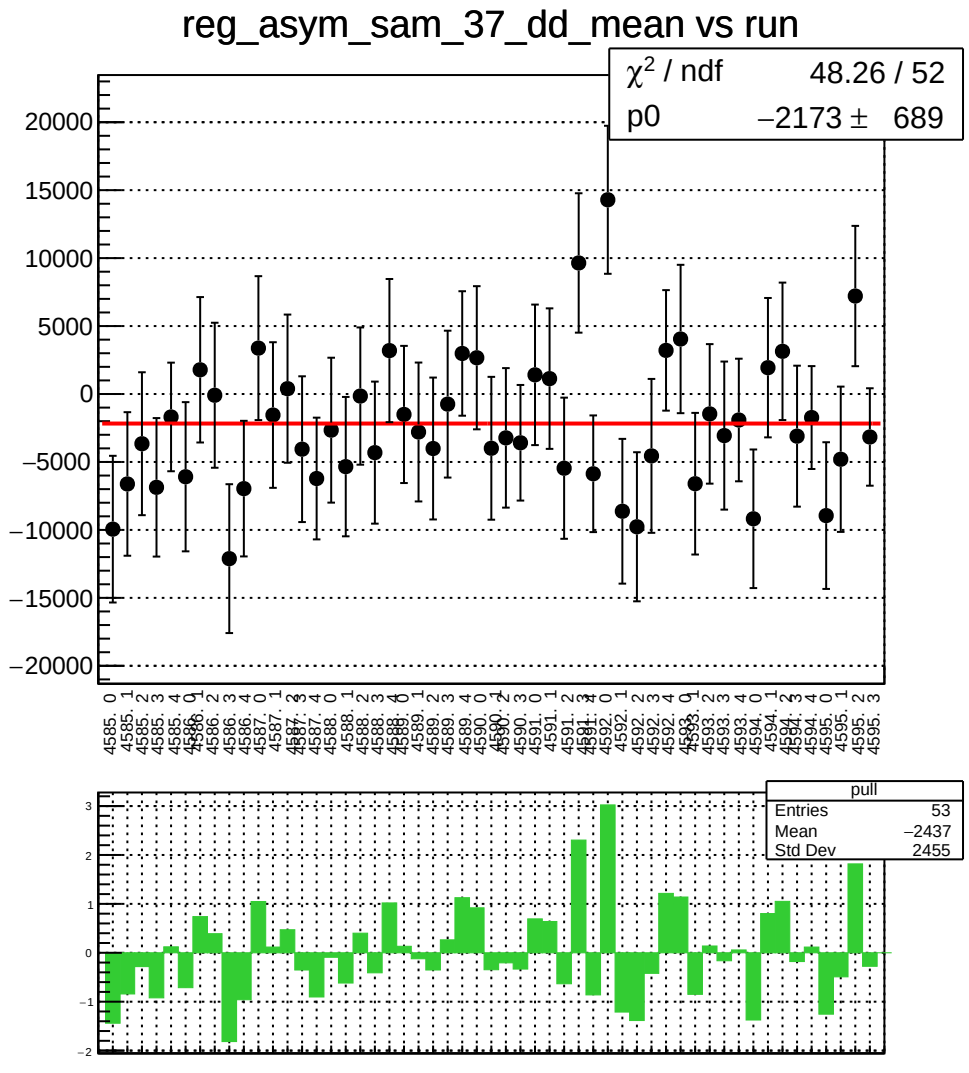
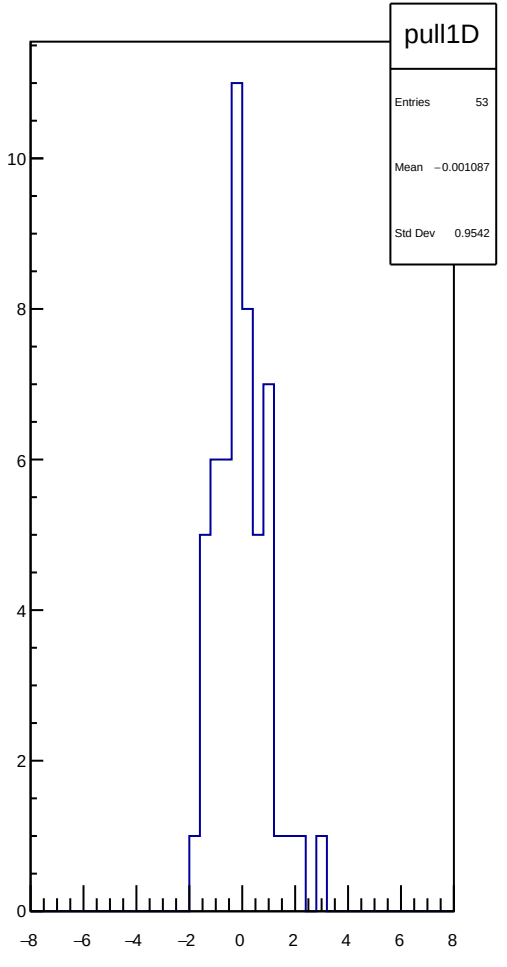
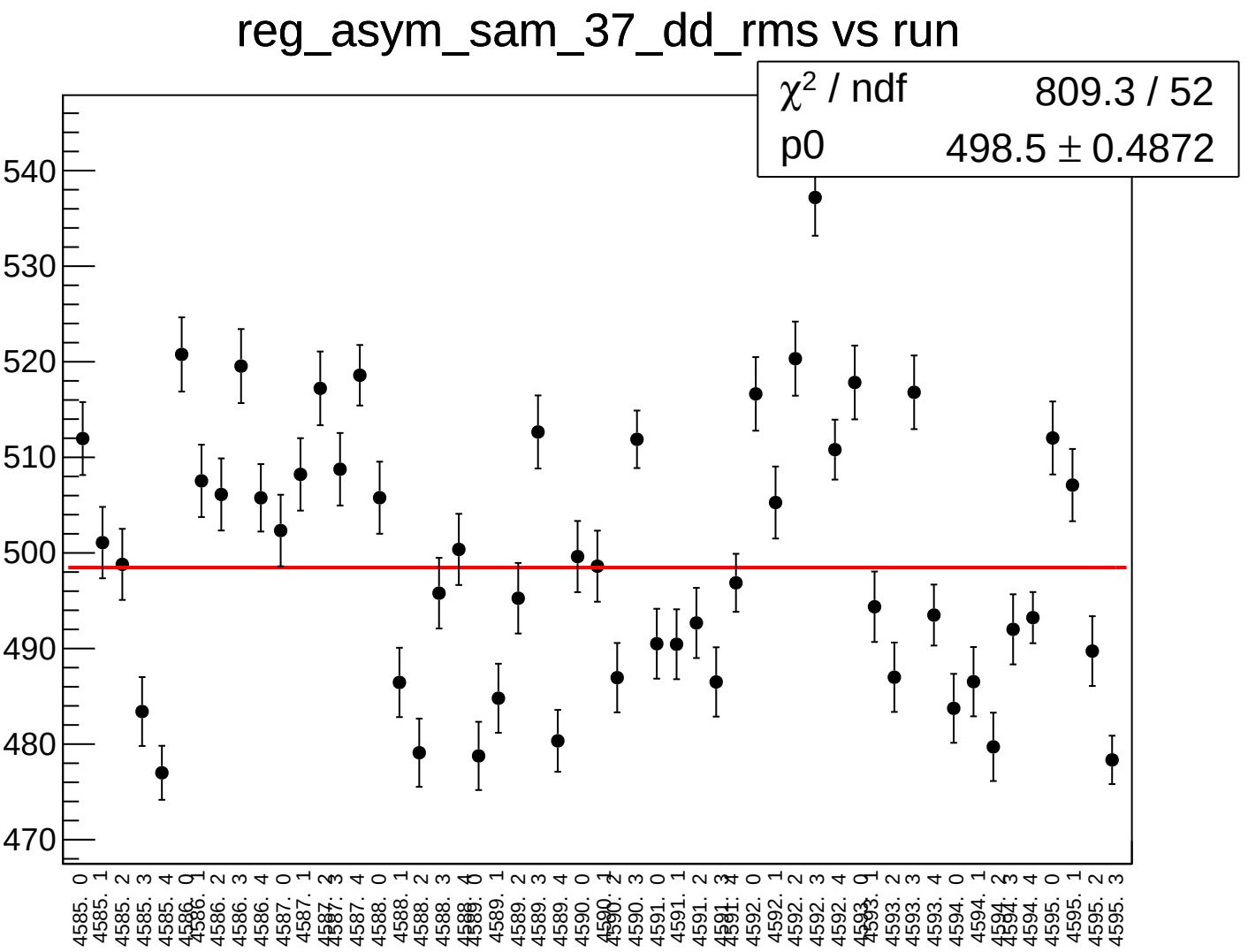
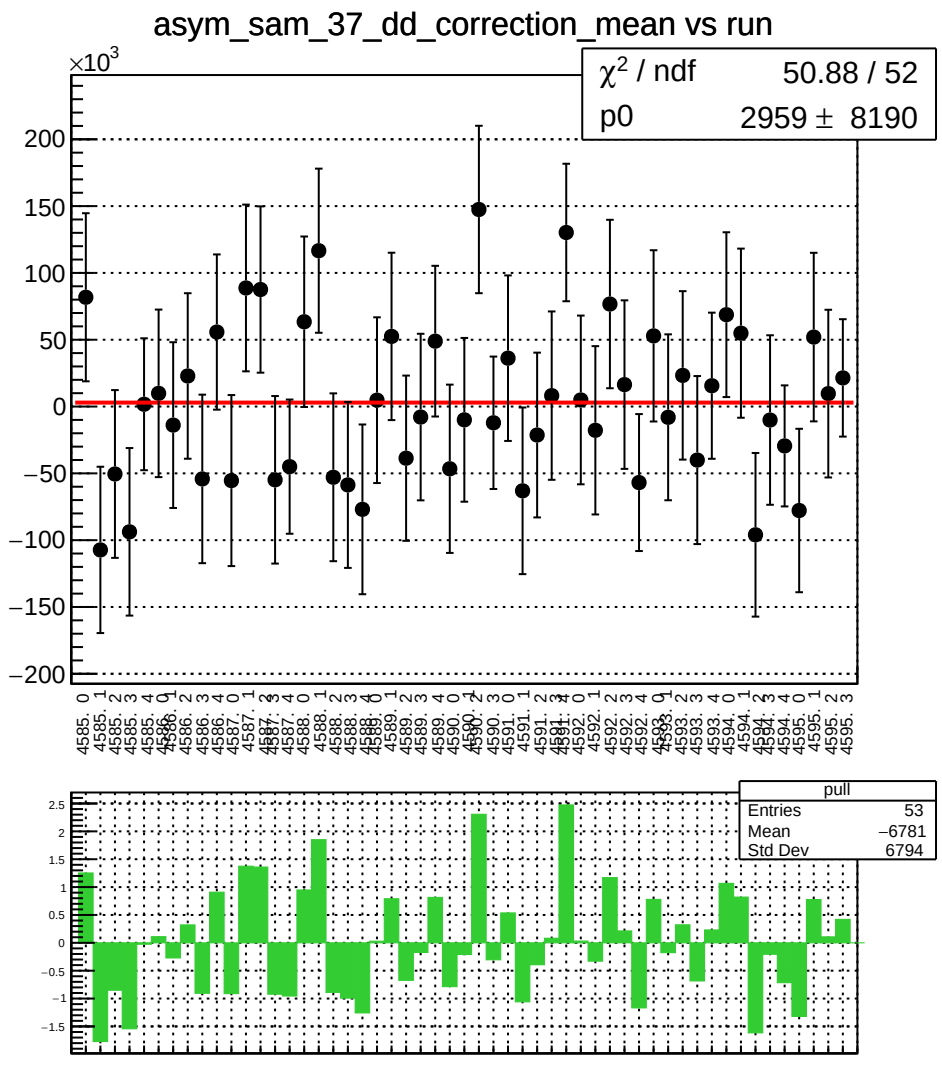
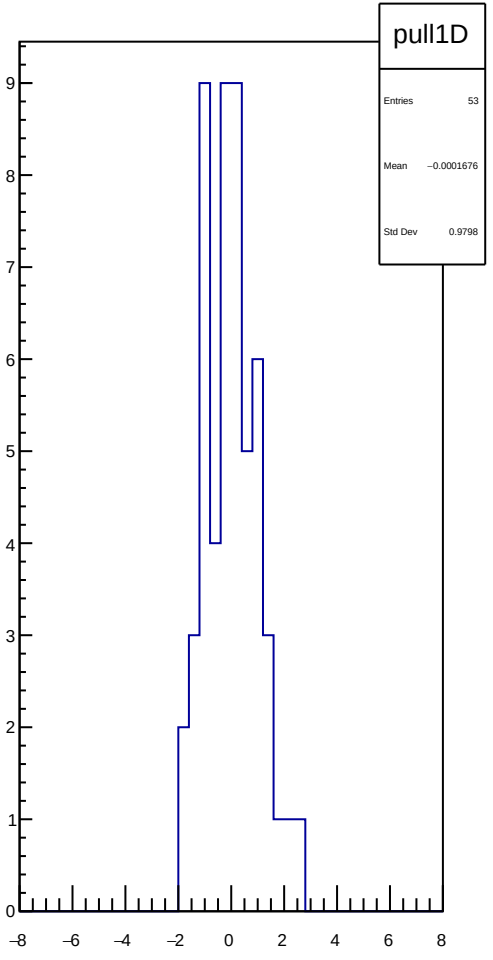
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

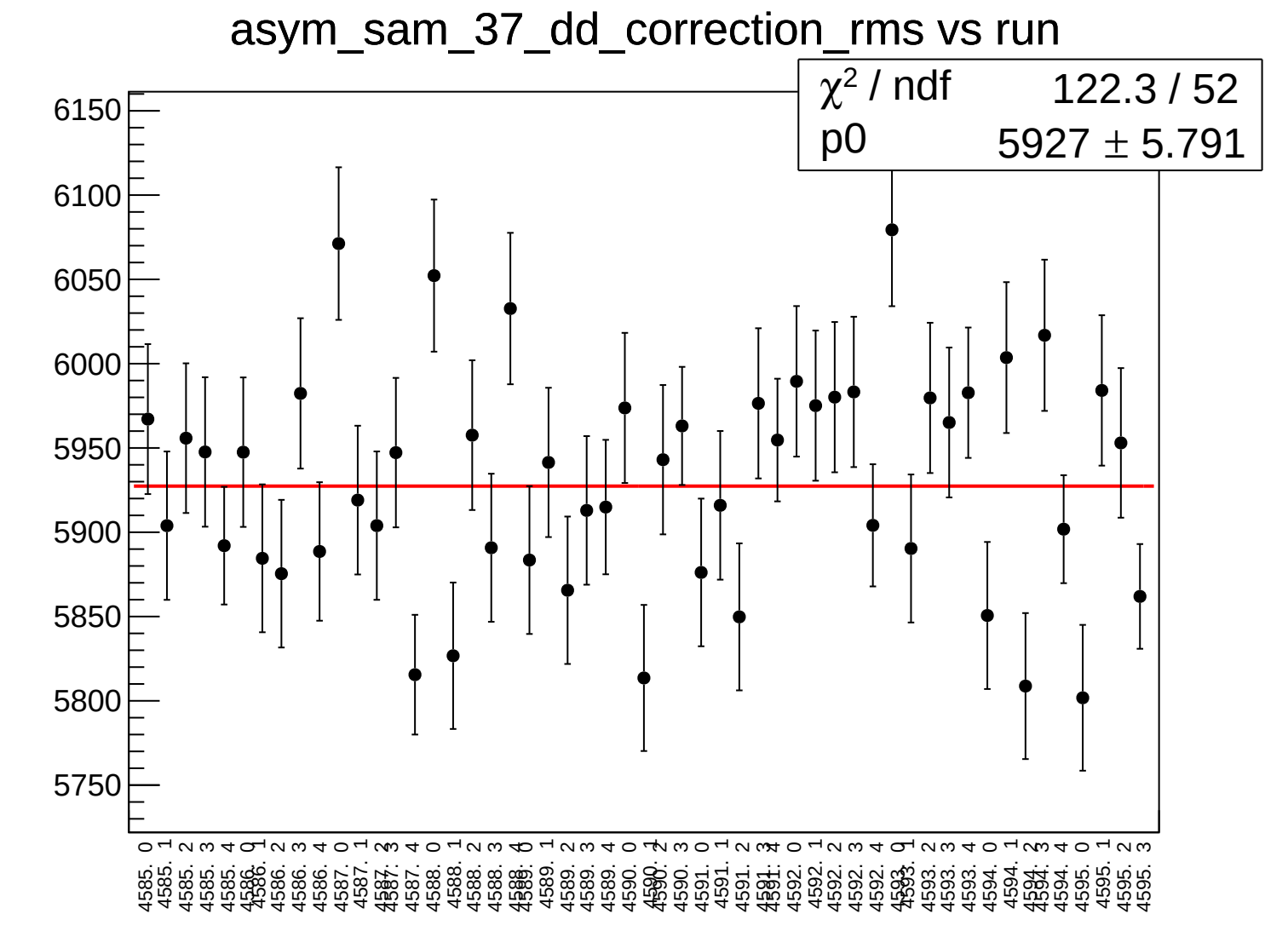

reg_asym_sam_37_dd_mean vs run
χ² / ndf 48.26 / 52
p0 −2173 ± 689
pull
Entries 53
Mean −2437
Std Dev 2455

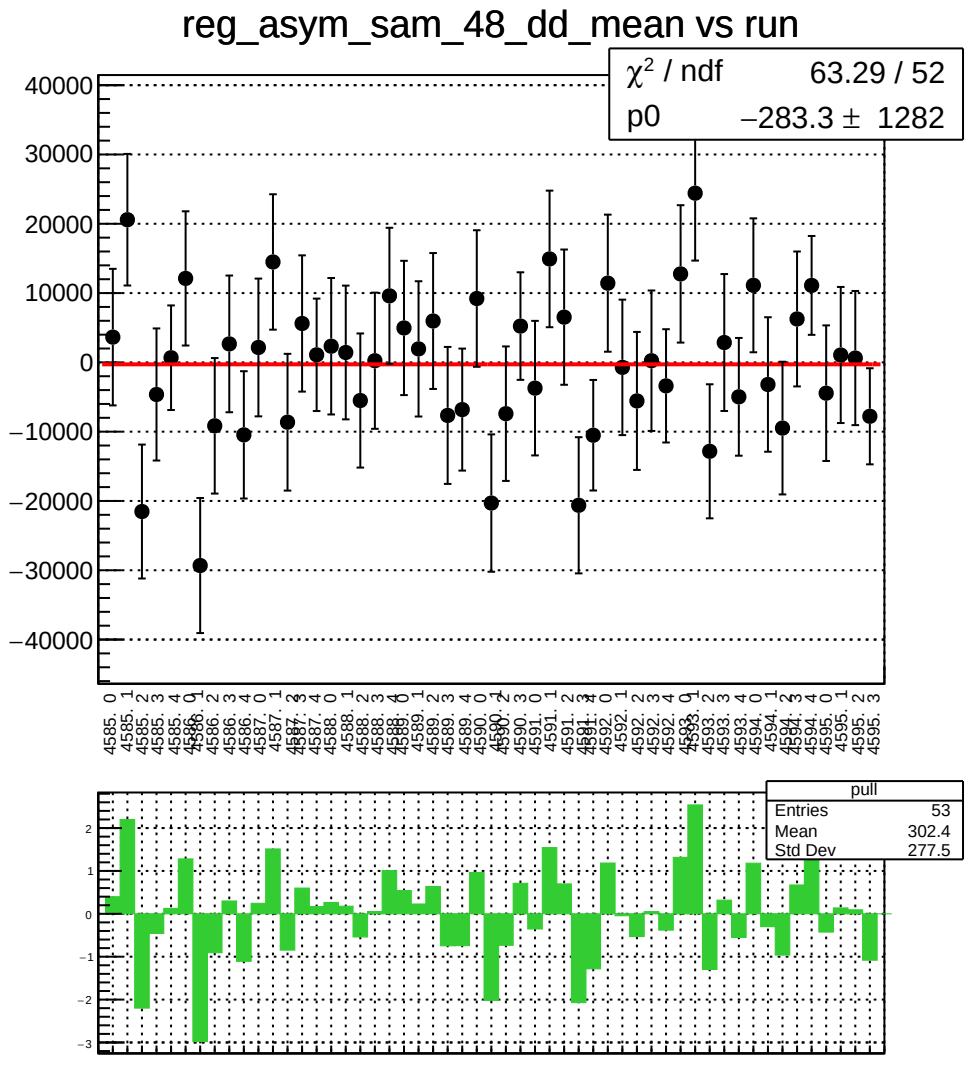

pull1D
Entries 53
Mean −0.001087
Std Dev 0.9542

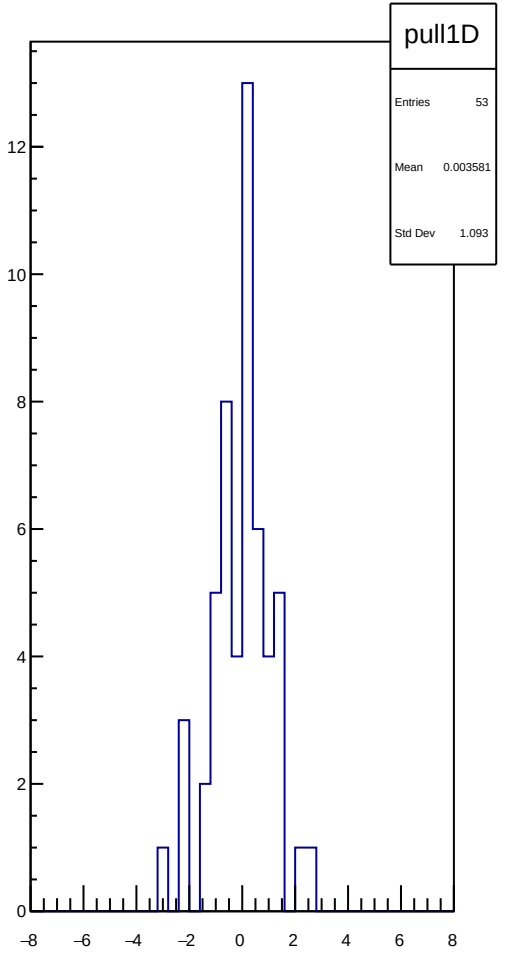

reg_asym_sam_37_dd_rms vs run
χ² / ndf 809.3 / 52
p0 498.5 ± 0.4872
540
530
520
510
500
490
480
470
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

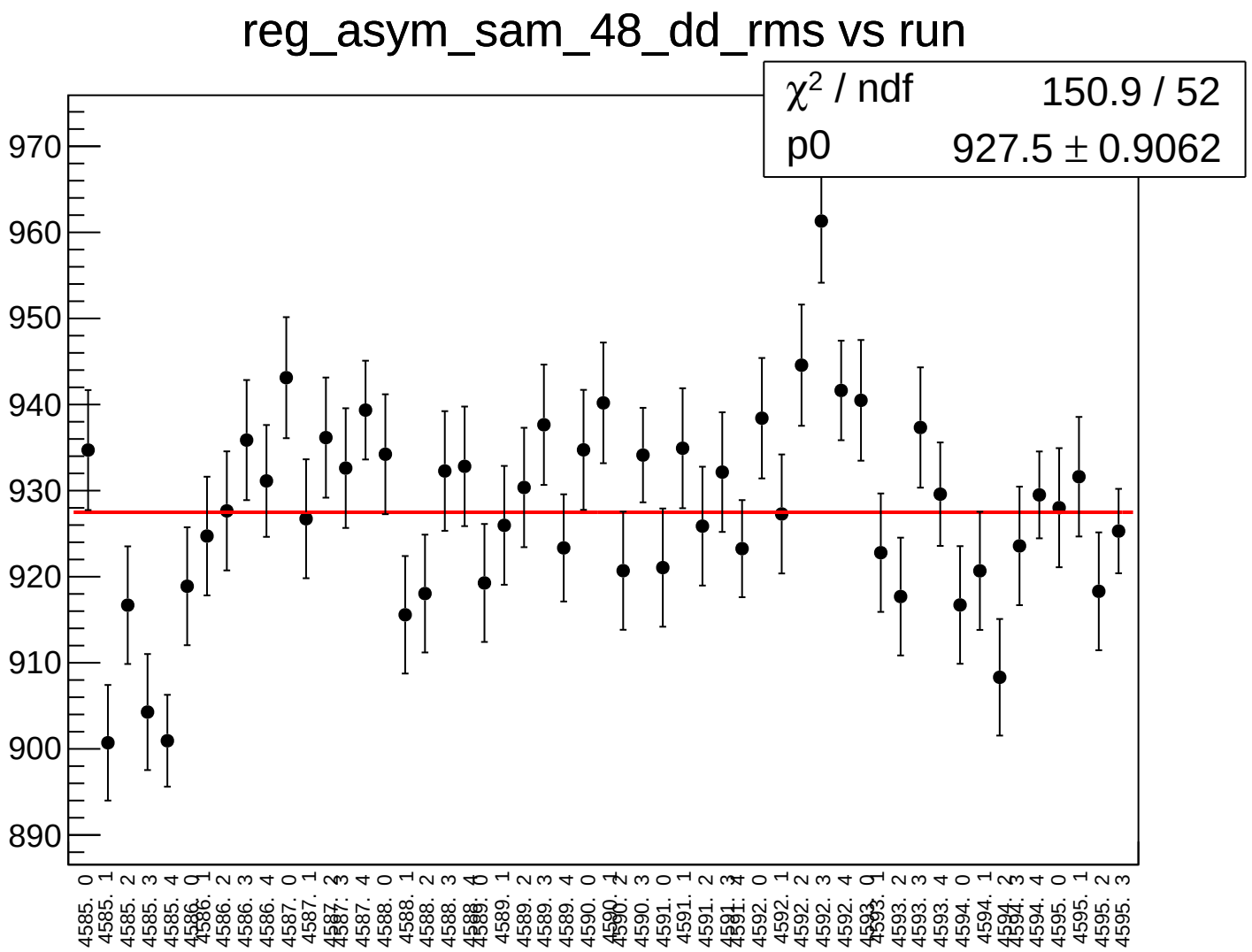

asym_sam_37_dd_correction_mean vs run
χ² / ndf 50.88 / 52
p0 2959 ± 8190
×10³
pull
Entries 53
Mean −6781
Std Dev 6794

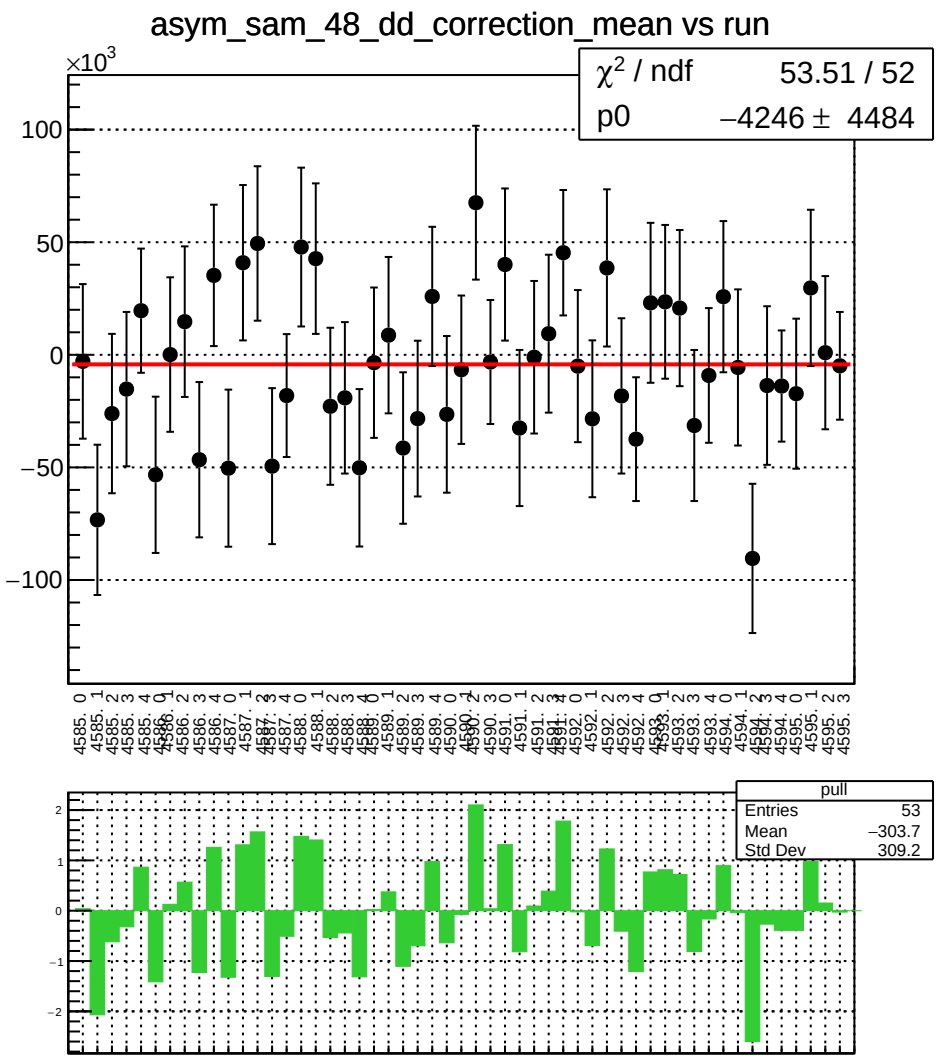

pull1D
Entries 53
Mean −0.0001676
Std Dev 0.9798

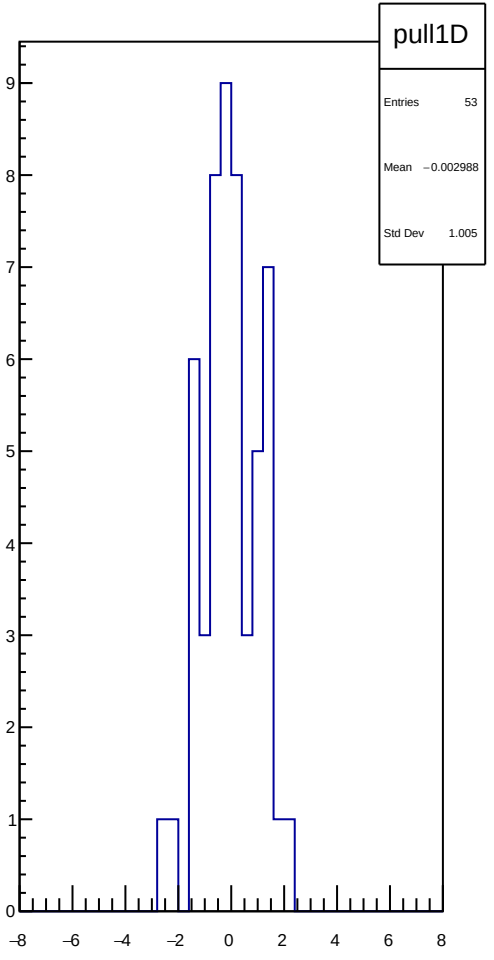

asym_sam_37_dd_correction_rms vs run
χ² / ndf 122.3 / 52
p0 5927 ± 5.791
6150
6100
6050
6000
5950
5900
5850
5800
5750

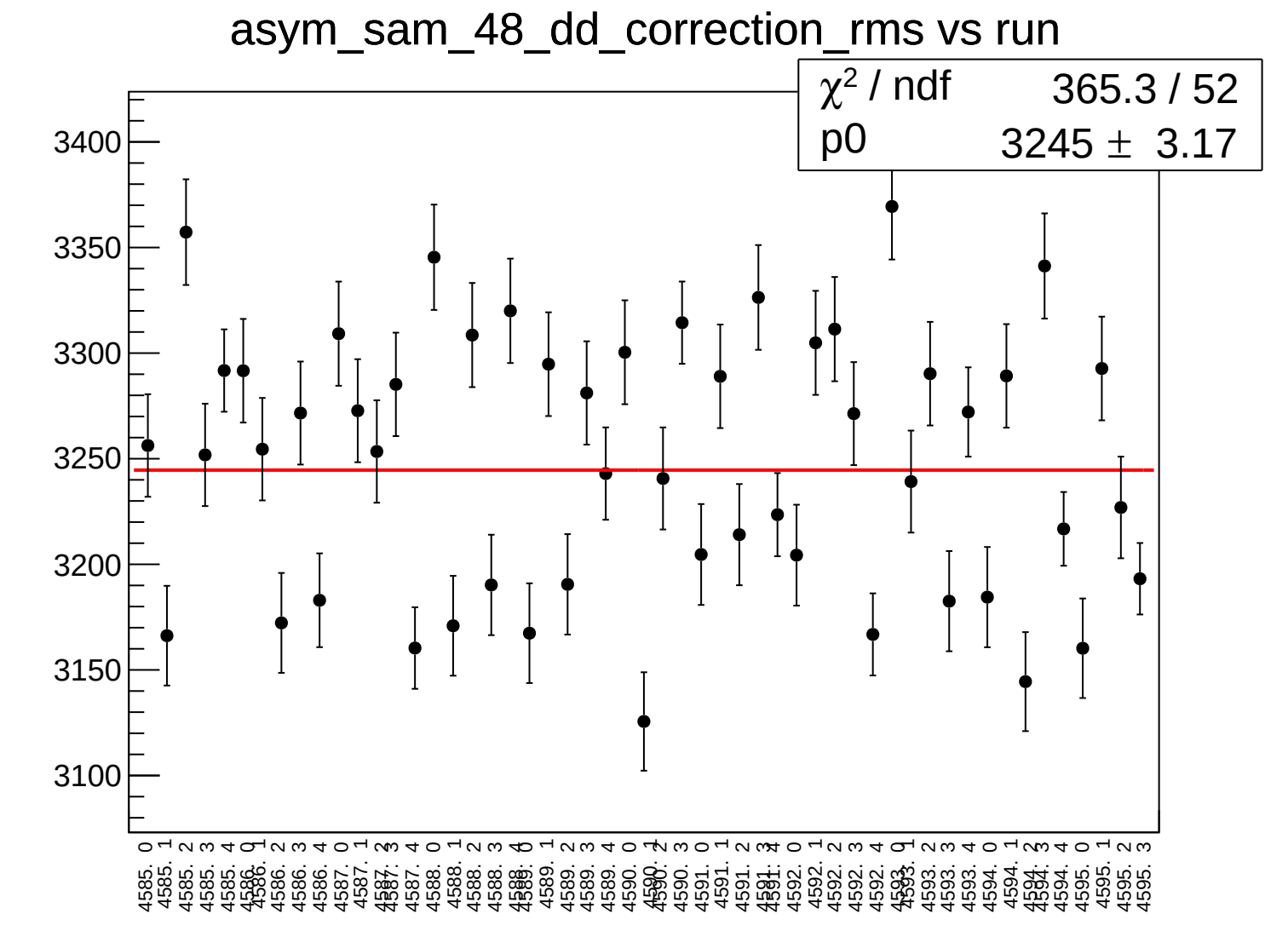

reg_asym_sam_48_dd_mean vs run
χ² / ndf 63.29 / 52
p0 −283.3 ± 1282
pull
Entries 53
Mean 302.4
Std Dev 277.5

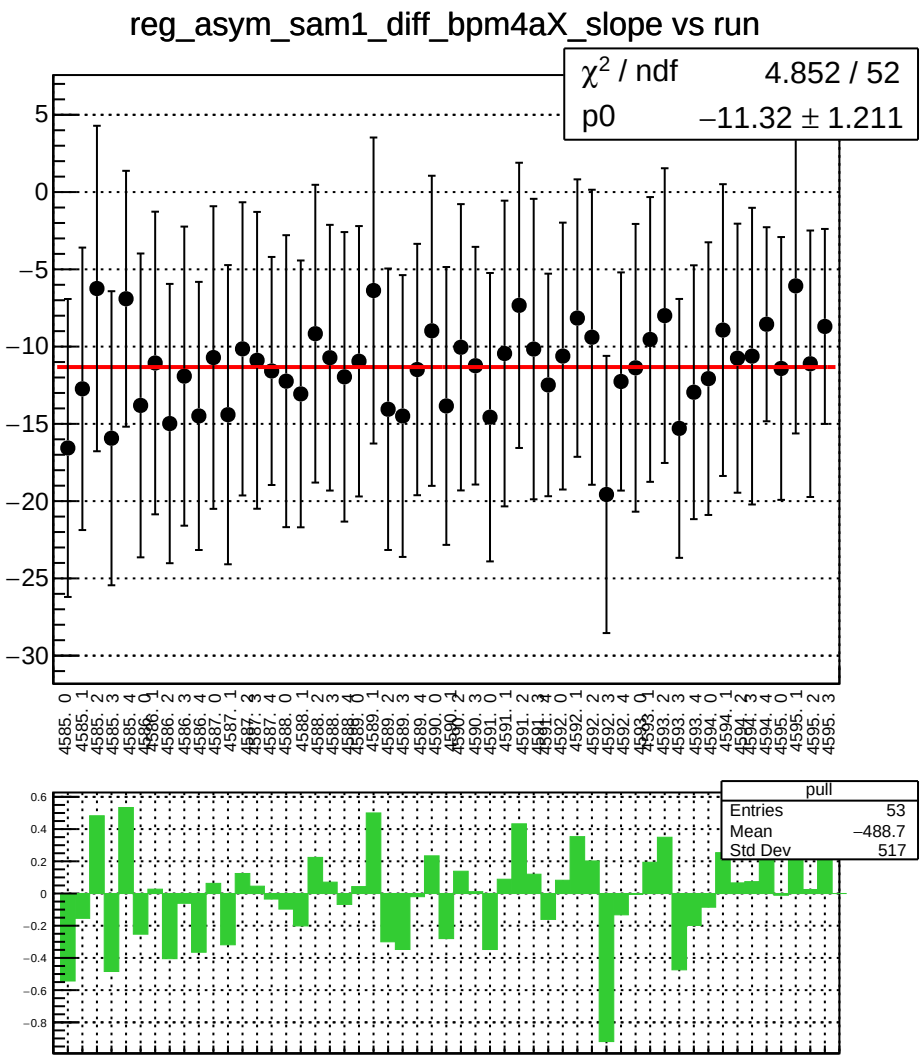

pull1D
Entries 53
Mean 0.003581
Std Dev 1.093

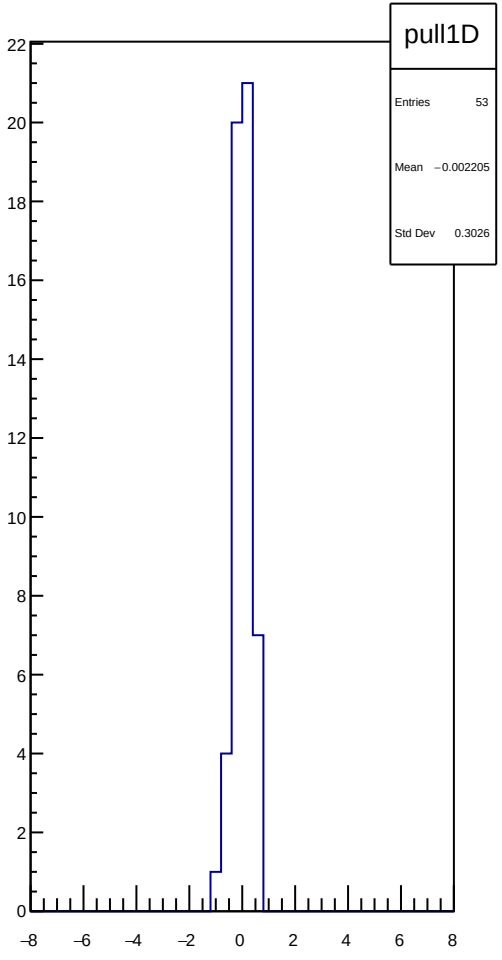

reg_asym_sam_48_dd_rms vs run
χ² / ndf 150.9 / 52
p0 927.5 ± 0.9062
970
960
950
940
930
920
910
900
890
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

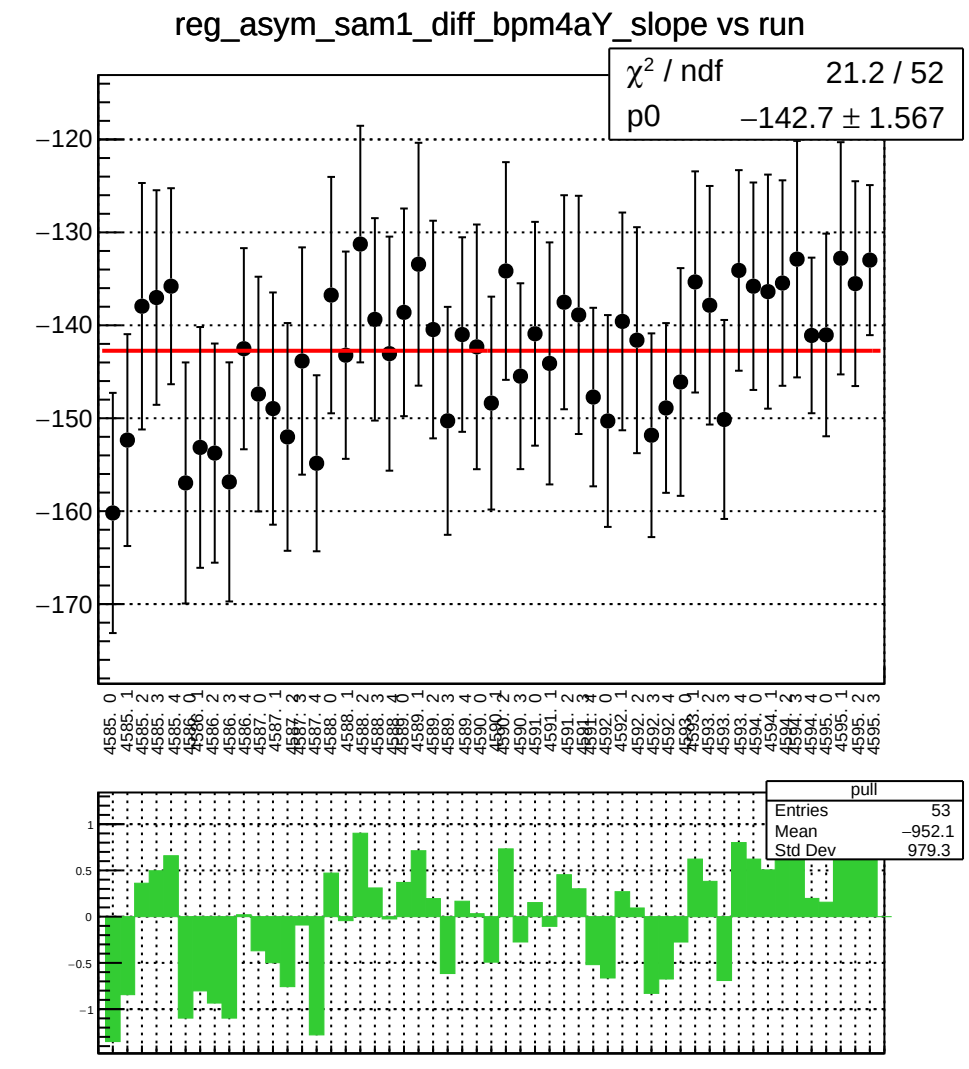

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 53.51 / 52
p0 −4246 ± 4484
100
50
0
−50
−100
pull
Entries 53
Mean −303.7
Std Dev 309.2
2
1
0
−1
−2

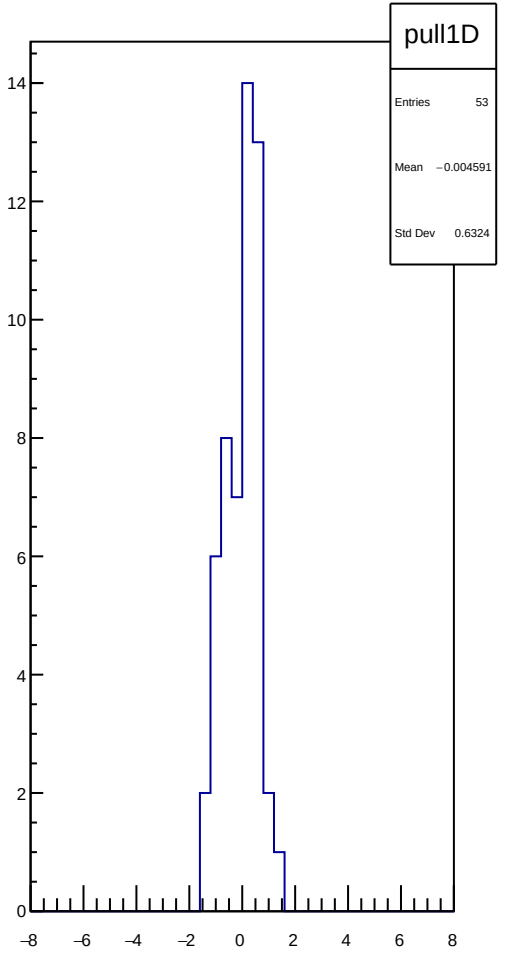

pull1D
Entries 53
Mean −0.002988
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

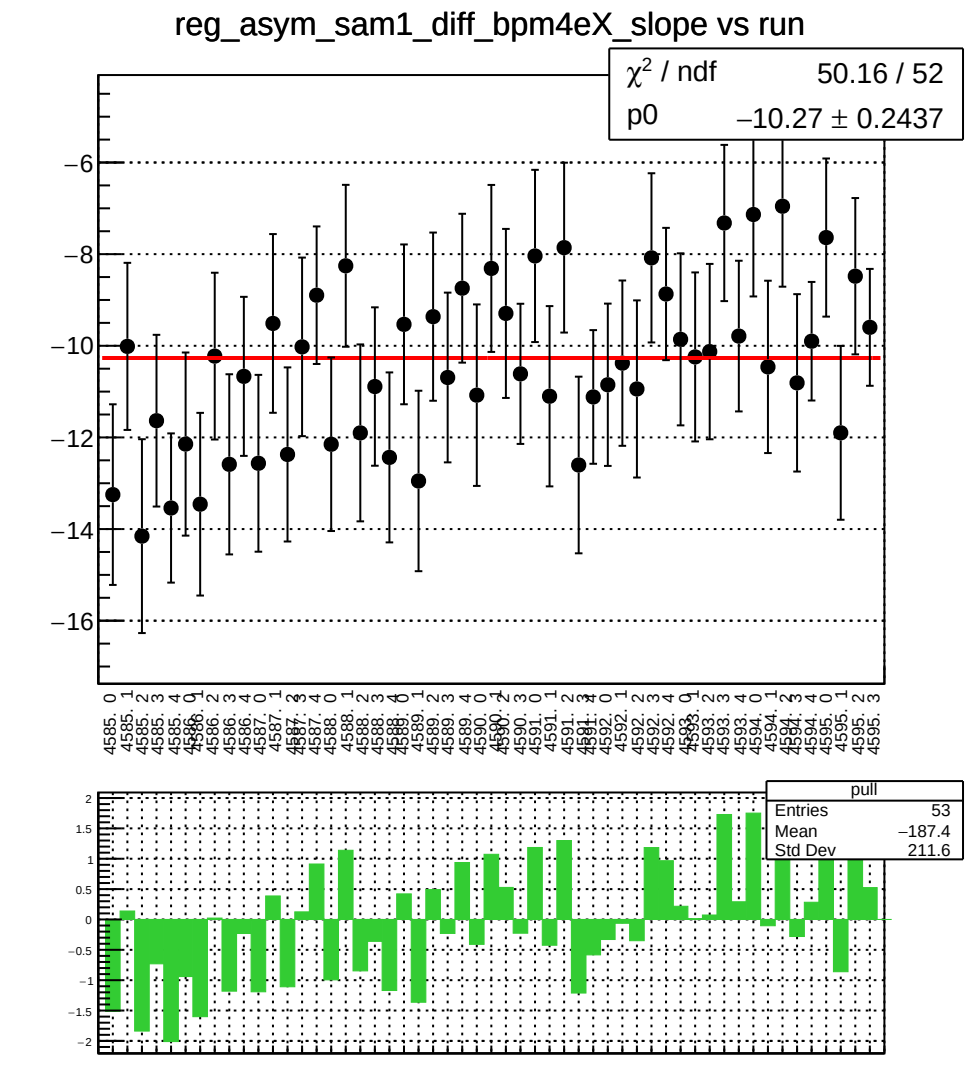

asym_sam_48_dd_correction_rms vs run
χ² / ndf 365.3 / 52
p0 3245 ± 3.17
3400
3350
3300
3250
3200
3150
3100
4585. 0
4585. 1
4585. 2
4585. 3
4585. 4
4586. 0
4586. 1
4586. 2
4586. 3
4586. 4
4587. 0
4587. 1
4587. 2
4587. 3
4587. 4
4588. 0
4588. 1
4588. 2
4588. 3
4588. 4
4589. 0
4589. 1
4589. 2
4589. 3
4589. 4
4590. 0
4590. 1
4590. 2
4590. 3
4591. 0
4591. 1
4591. 2
4591. 3
4591. 4
4592. 0
4592. 1
4592. 2
4592. 3
4592. 4
4593. 0
4593. 1
4593. 2
4593. 3
4593. 4
4594. 0
4594. 1
4594. 2
4594. 3
4594. 4
4595. 0
4595. 1
4595. 2
4595. 3

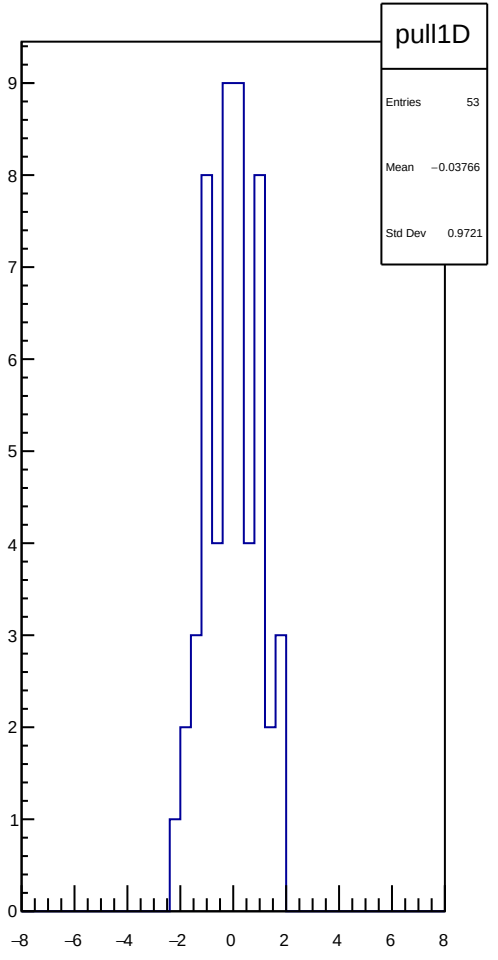

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 4.852 / 52
p0 −11.32 ± 1.211
pull
Entries 53
Mean −488.7
Std Dev 517

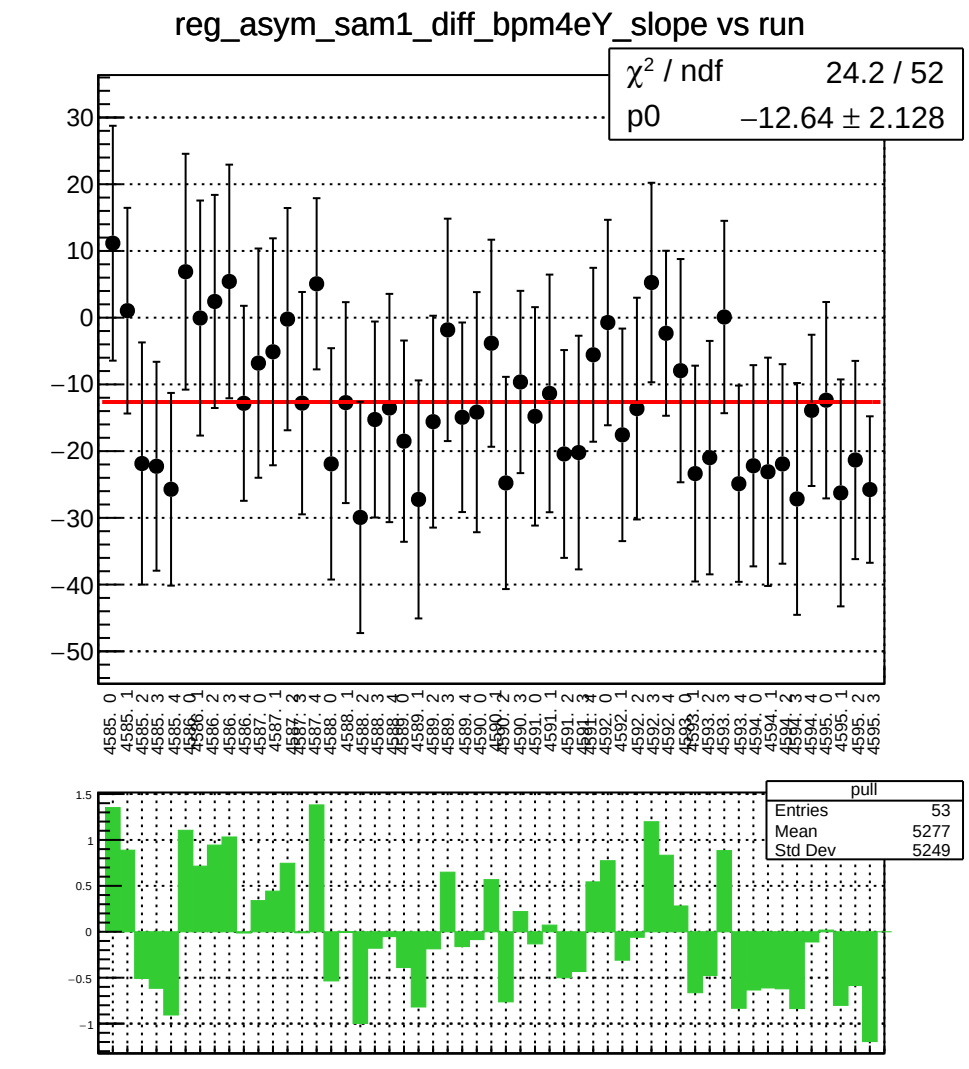

pull1D
Entries 53
Mean −0.002205
Std Dev 0.3026

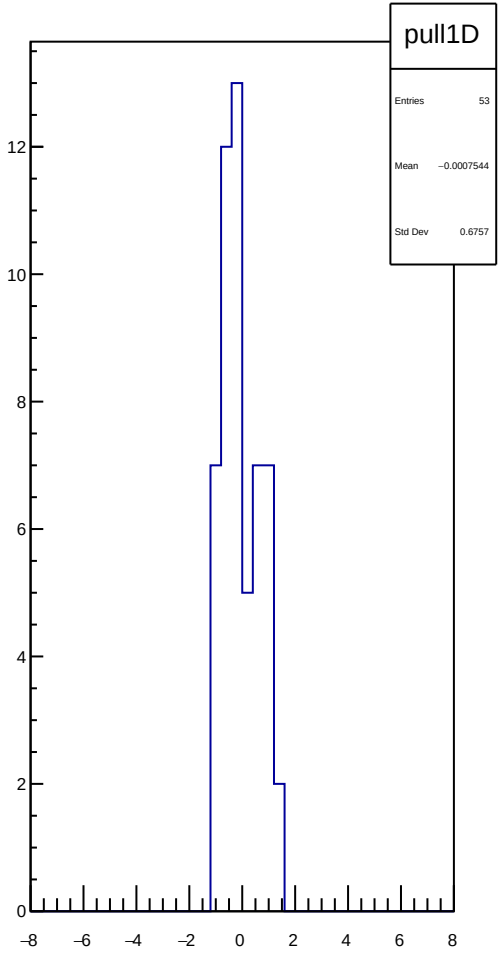

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 21.2 / 52
p0 −142.7 ± 1.567
−120
−130
−140
−150
−160
−170
pull
Entries 53
Mean −952.1
Std Dev 979.3
1
0.5
0
−0.5
−1

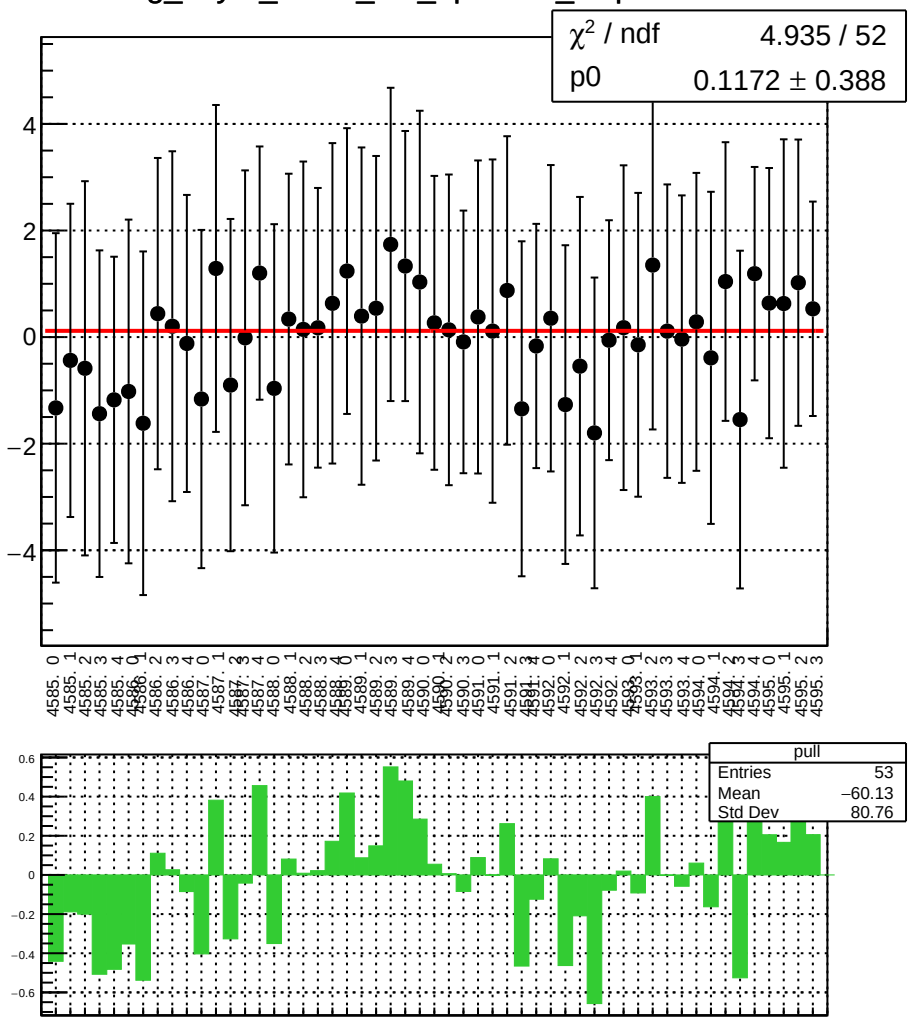

pull1D
Entries 53
Mean −0.004591
Std Dev 0.6324
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

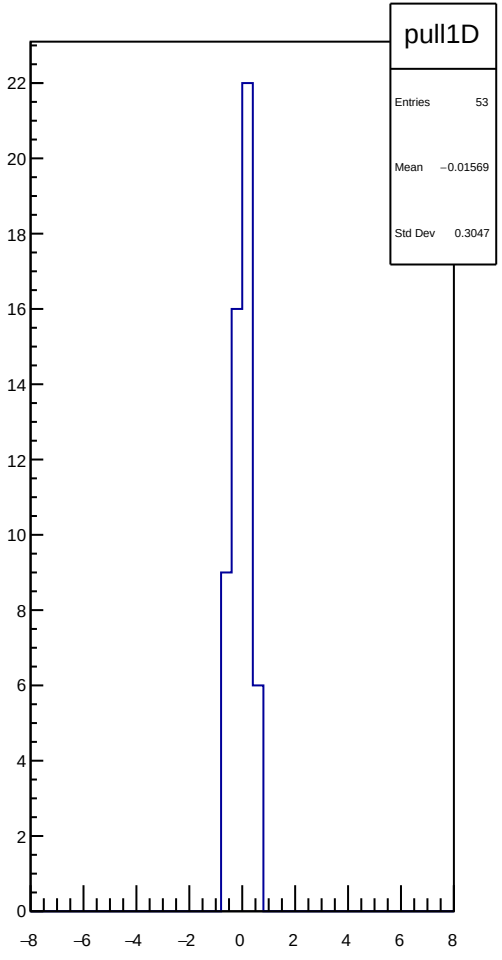

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 50.16 / 52
p0 −10.27 ± 0.2437
pull
Entries 53
Mean −187.4
Std Dev 211.6

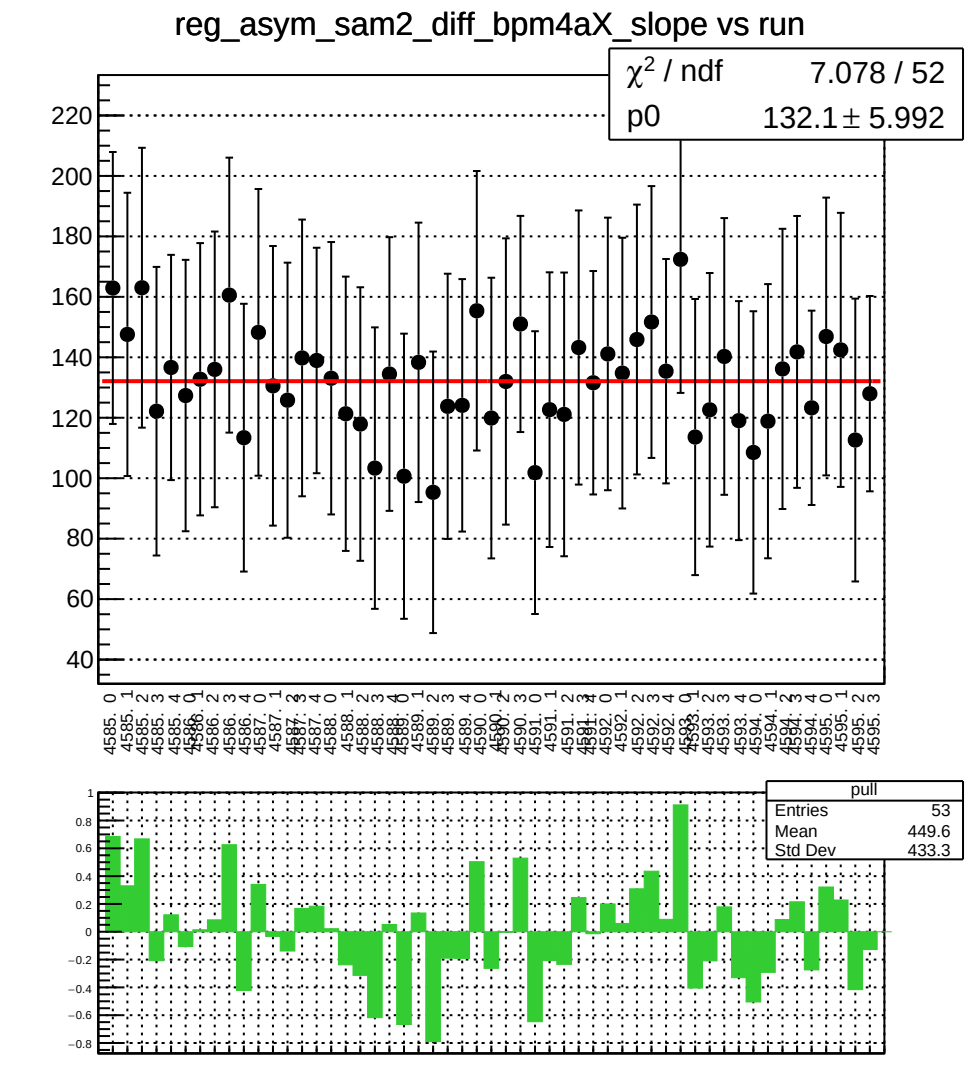

pull1D
Entries 53
Mean −0.03766
Std Dev 0.9721

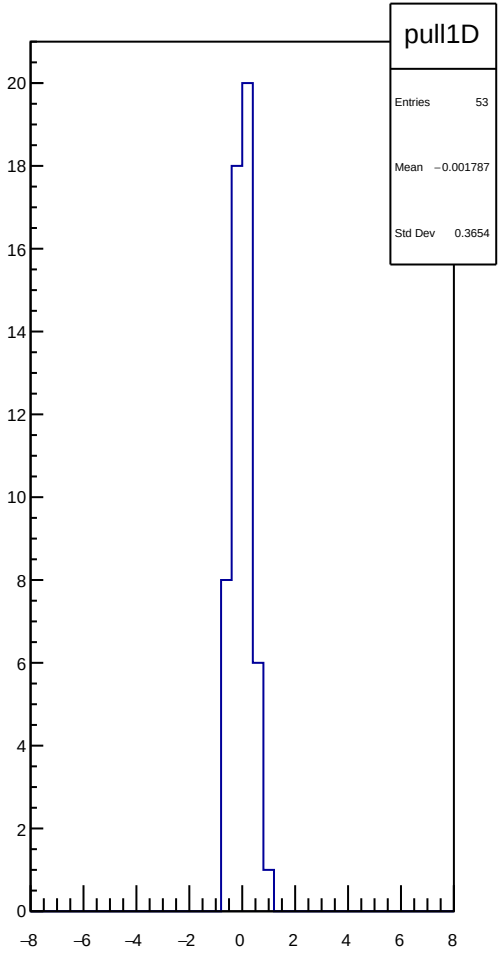

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 24.2 / 52
p0 −12.64 ± 2.128
pull
Entries 53
Mean 5277
Std Dev 5249

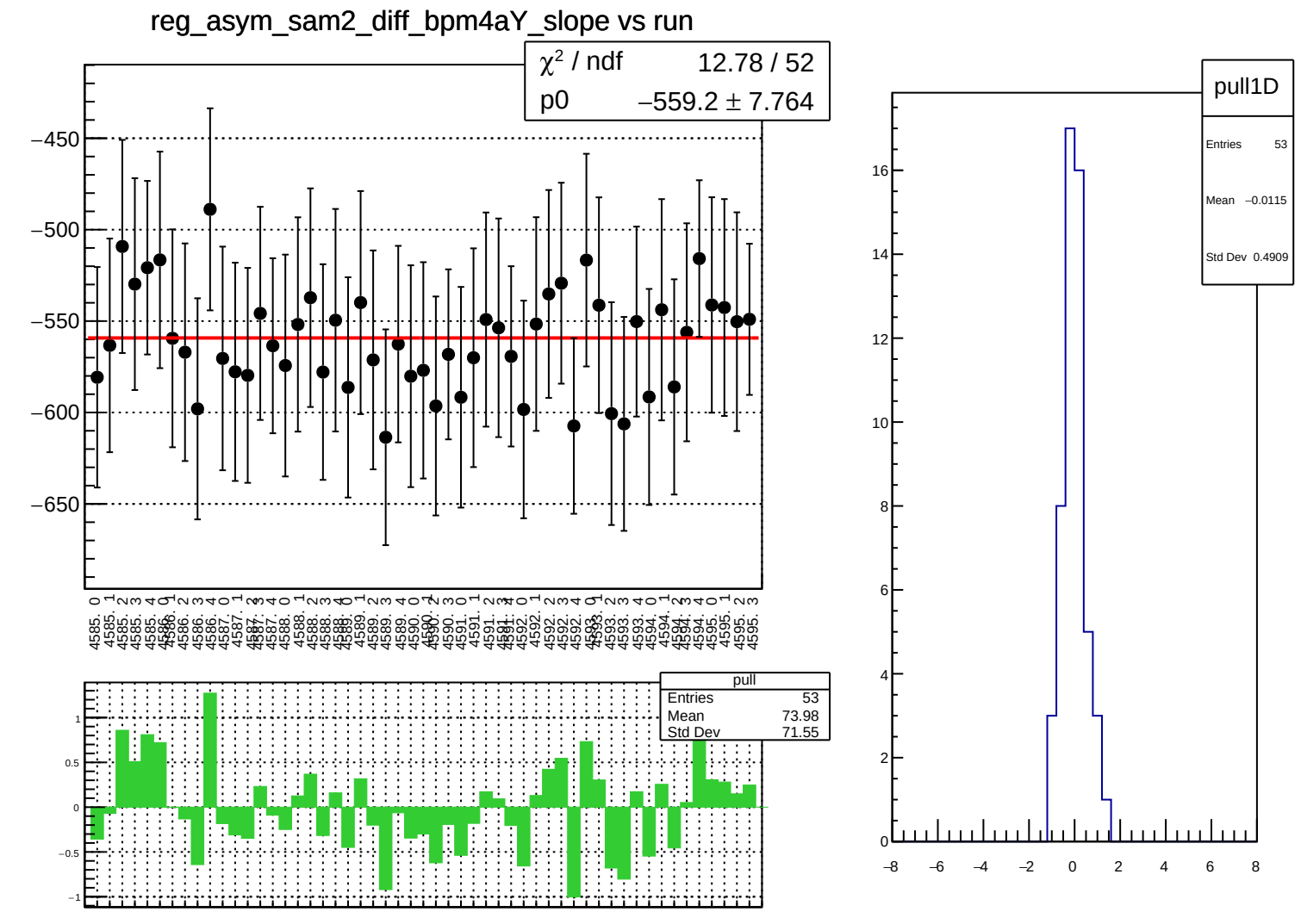

pull1D
Entries 53
Mean −0.0007544
Std Dev 0.6757

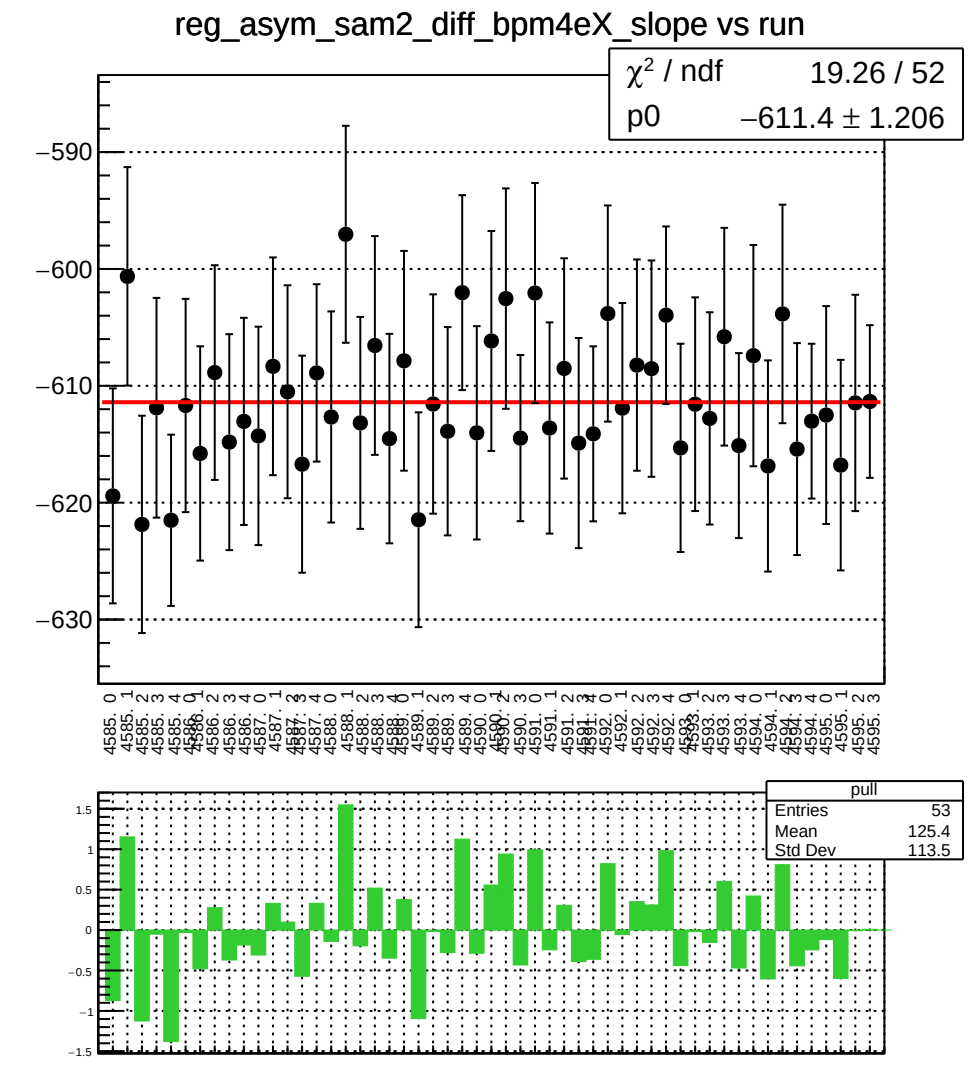

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 4.935 / 52
p0 0.1172 ± 0.388
pull
Entries 53
Mean −60.13
Std Dev 80.76

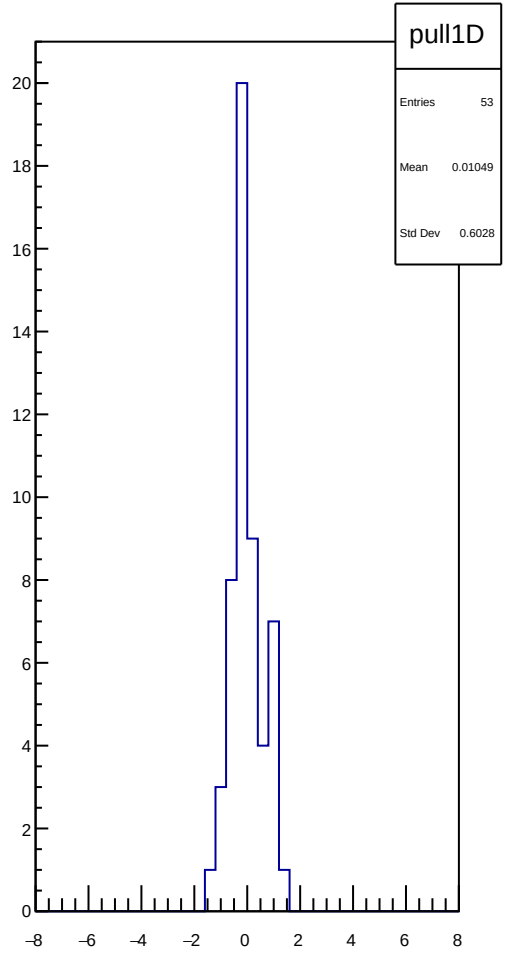

pull1D
Entries 53
Mean −0.01569
Std Dev 0.3047

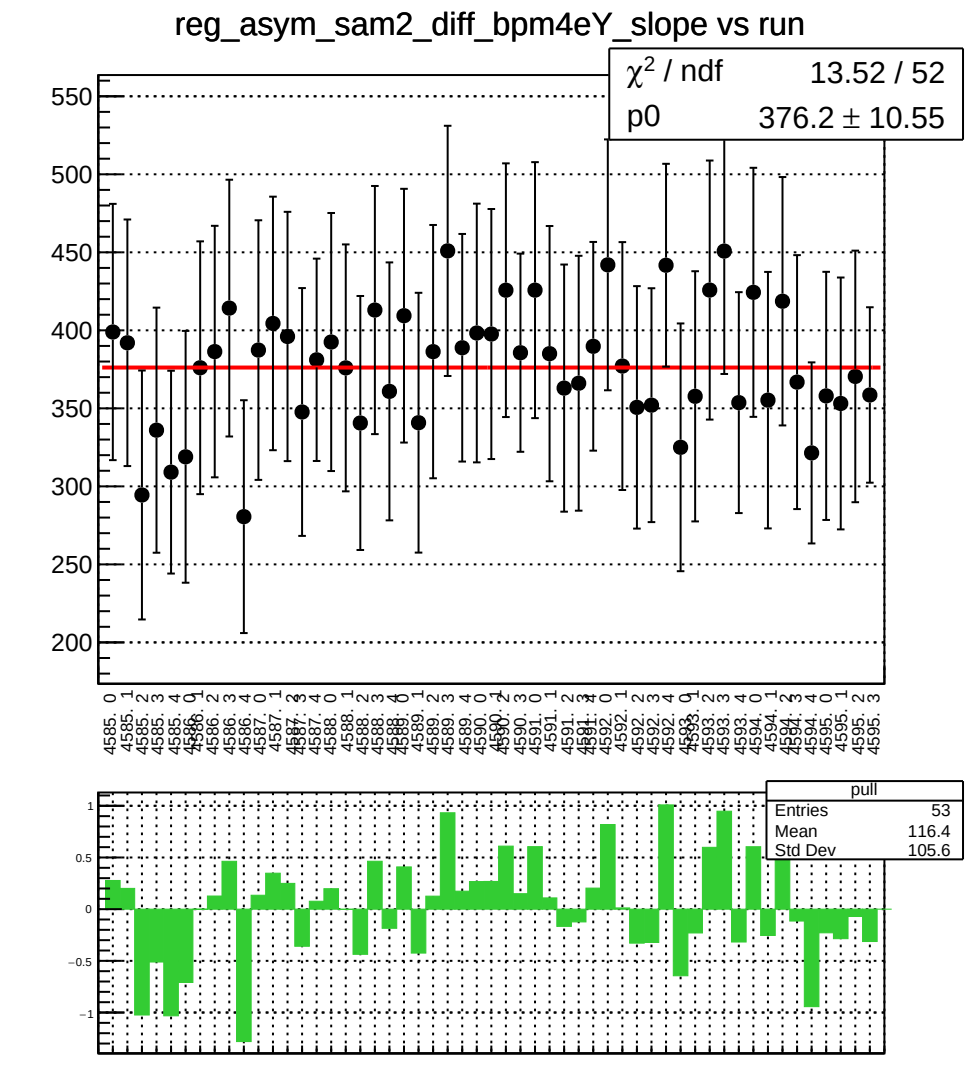

reg_asym_sam2_diff_bpm4aX_slope vs run
χ^2 / ndf 7.078 / 52
p0 132.1 ± 5.992
pull
Entries 53
Mean 449.6
Std Dev 433.3

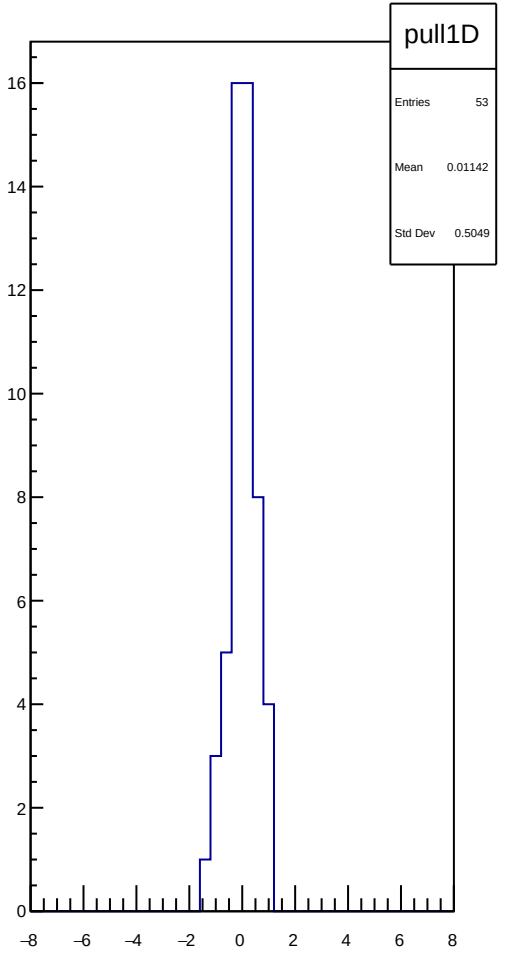

pull1D
Entries 53
Mean −0.001787
Std Dev 0.3654

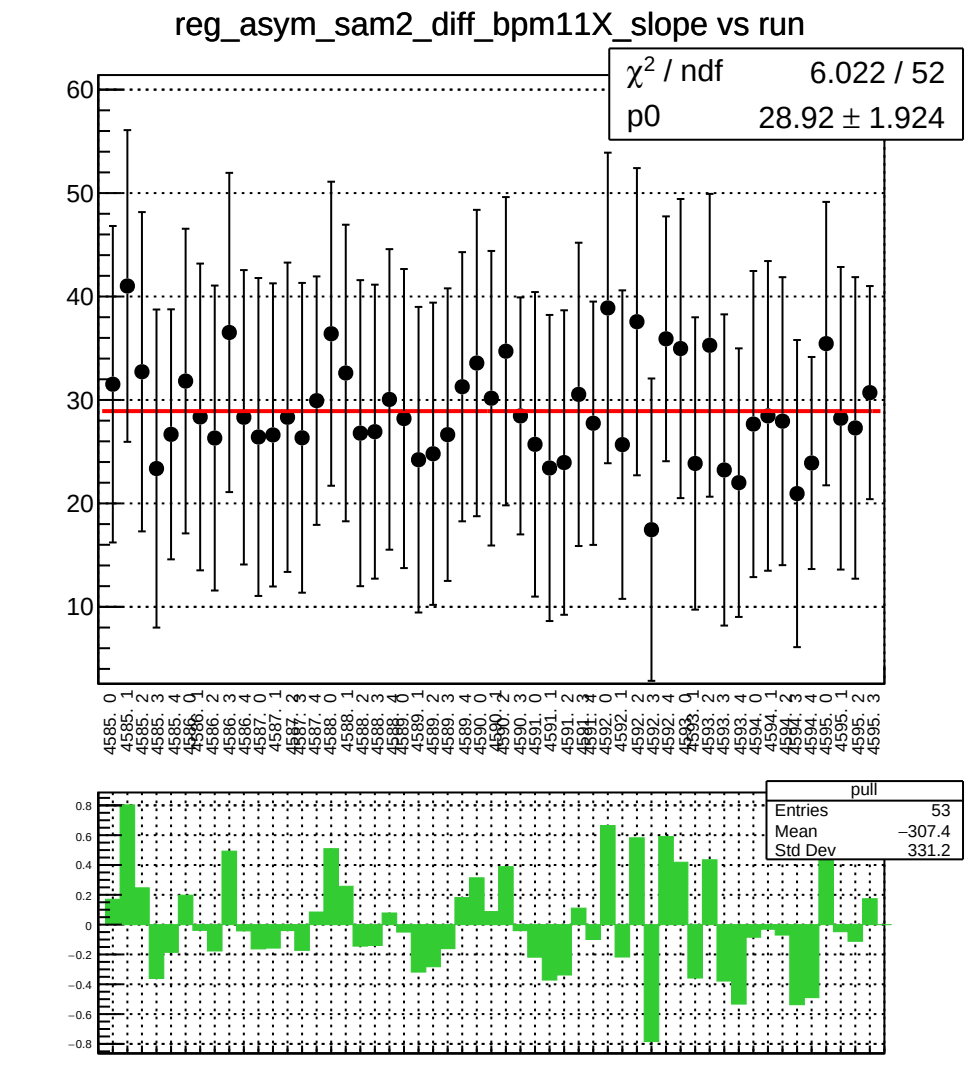

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 12.78 / 52
p0 −559.2 ± 7.764
−450
−500
−550
−600
−650
pull
Entries 53
Mean 73.98
Std Dev 71.55
1
0.5
0
−0.5
−1
pull1D
Entries 53
Mean −0.0115
Std Dev 0.4909
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

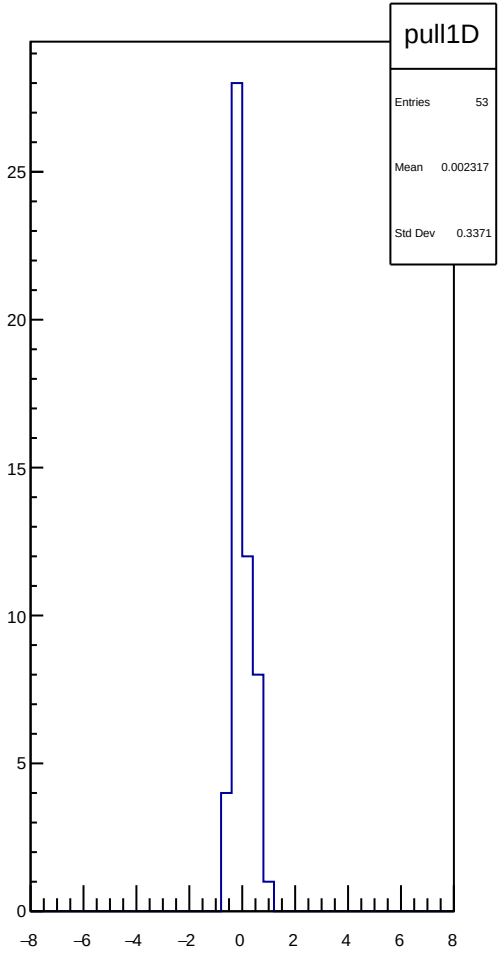

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 19.26 / 52
p0 −611.4 ± 1.206
−590
−600
−610
−620
−630
pull
Entries 53
Mean 125.4
Std Dev 113.5
1.5
1
0.5
0
−0.5
−1
−1.5

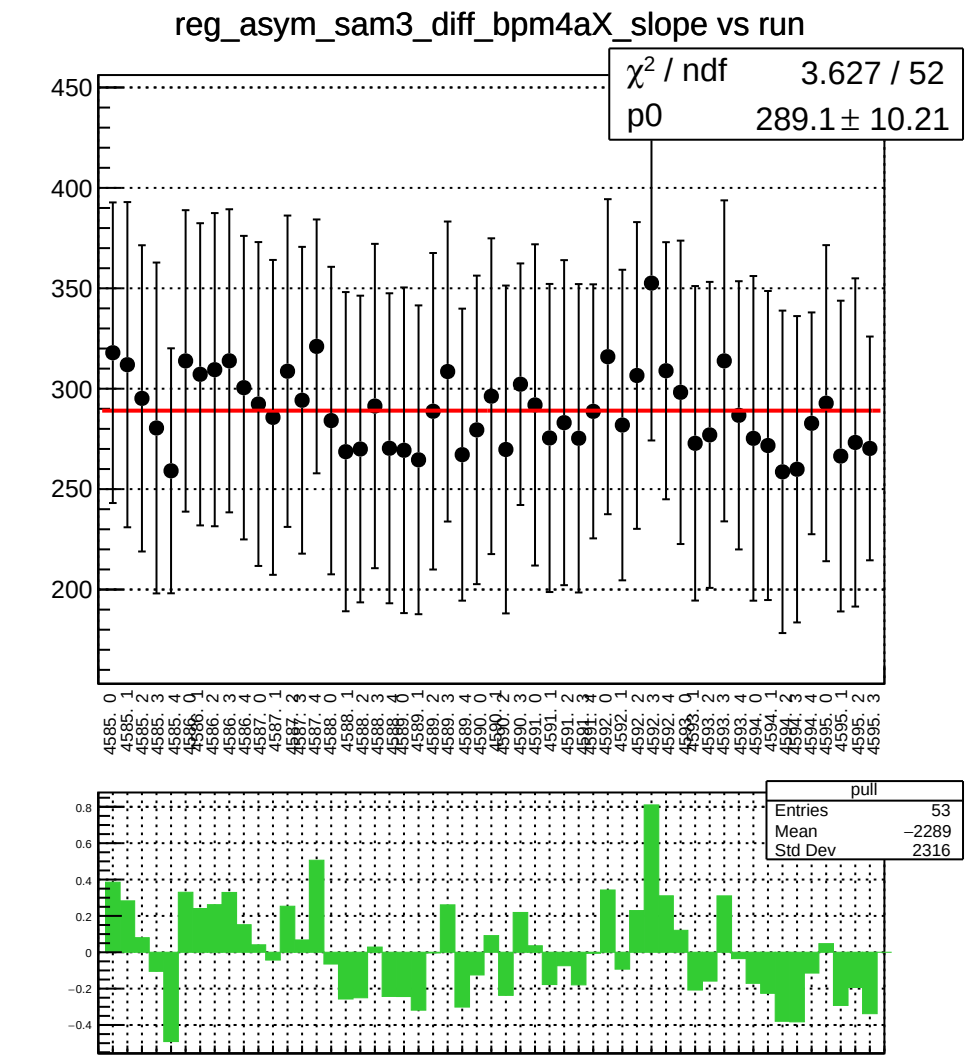

pull1D
Entries 53
Mean 0.01049
Std Dev 0.6028
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

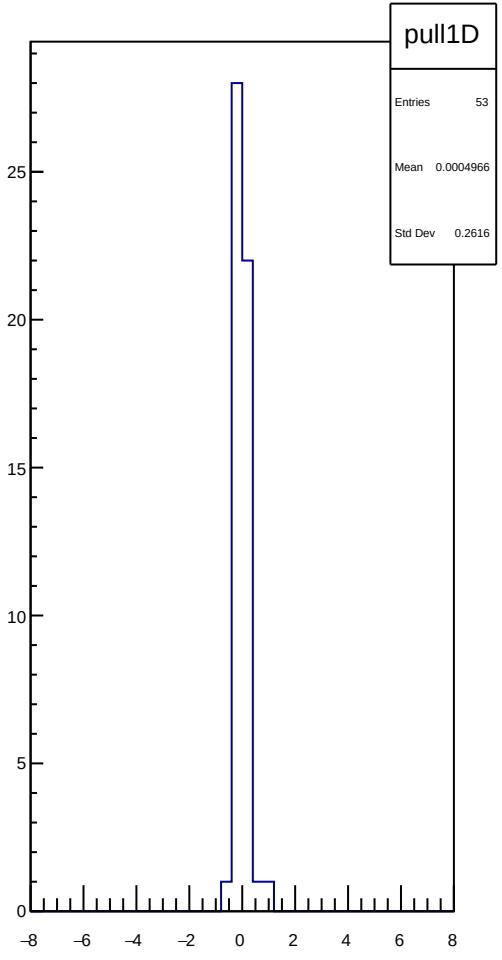

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 13.52 / 52
p0 376.2 ± 10.55
pull
Entries 53
Mean 116.4
Std Dev 105.6

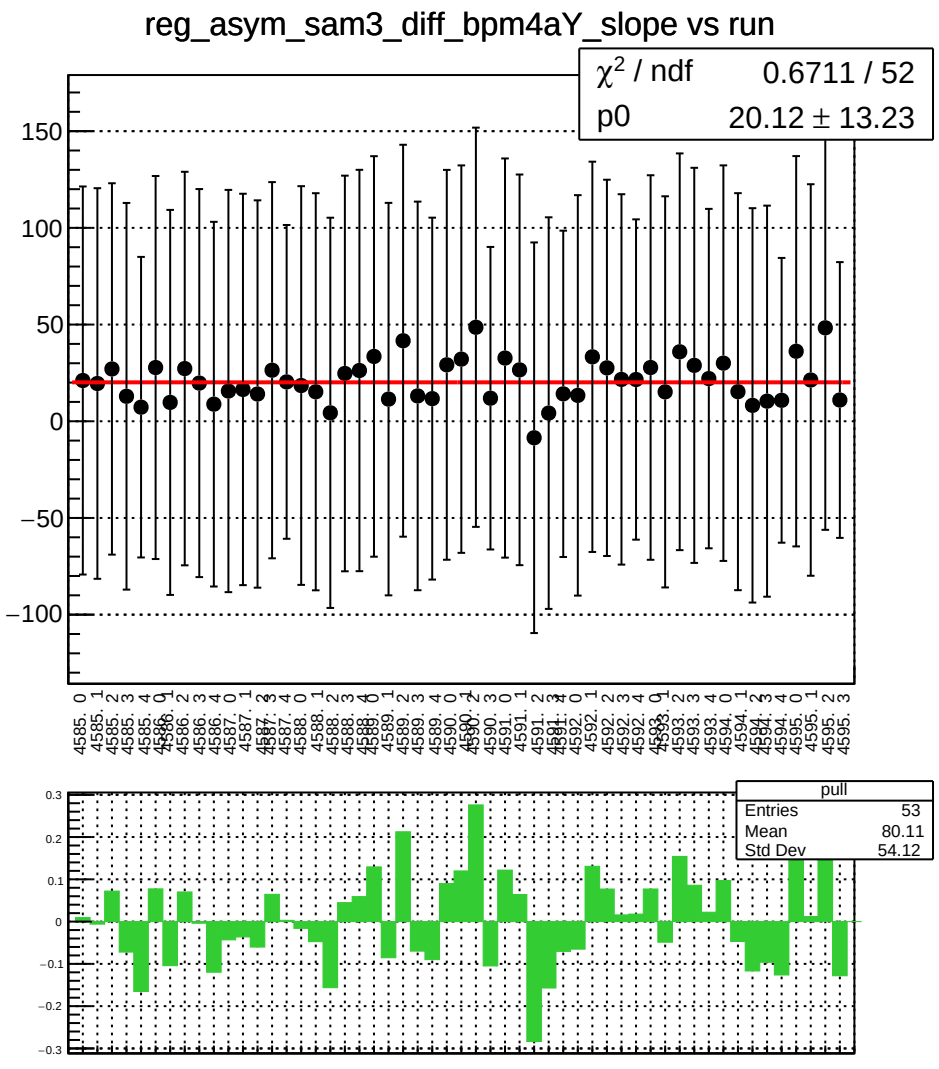

pull1D
Entries 53
Mean 0.01142
Std Dev 0.5049

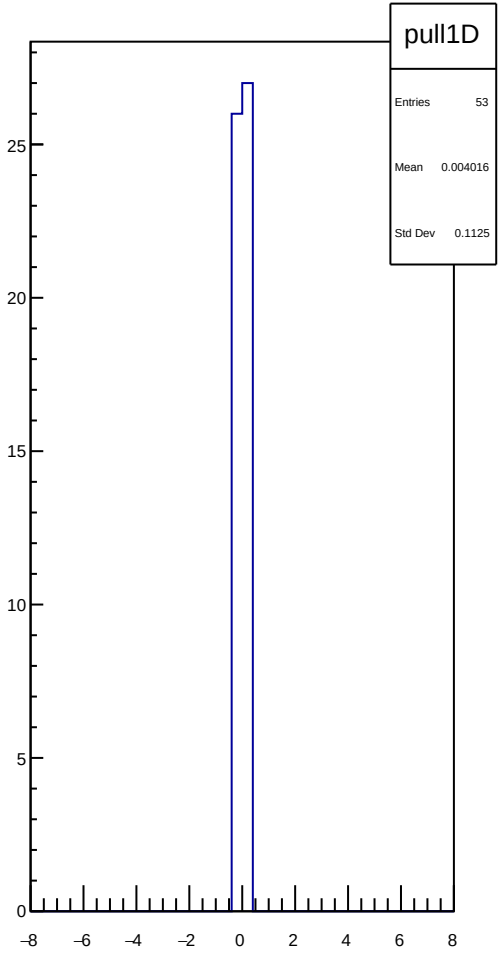

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 6.022 / 52
p0 28.92 ± 1.924
pull
Entries 53
Mean −307.4
Std Dev 331.2

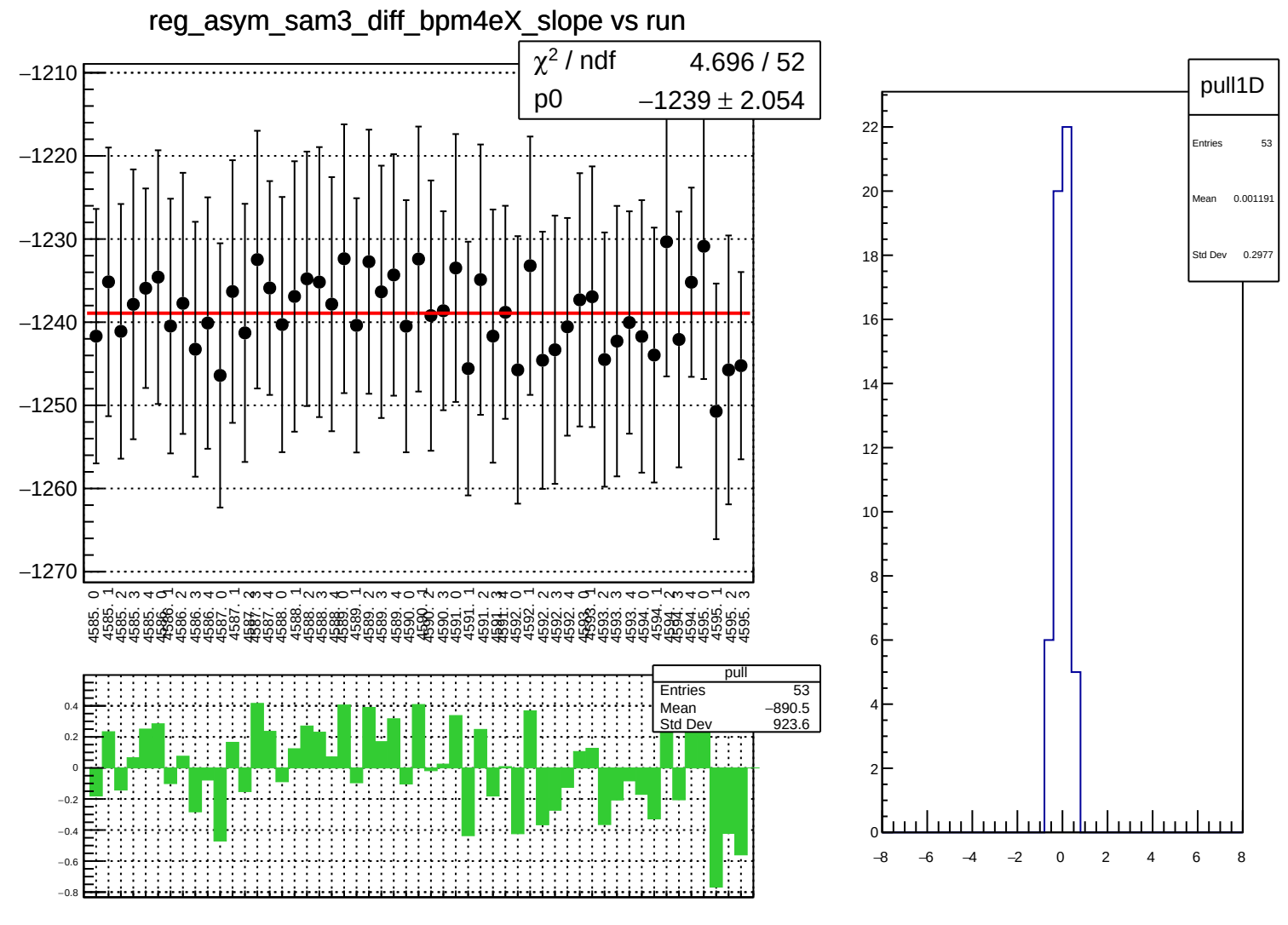

pull1D
Entries 53
Mean 0.002317
Std Dev 0.3371

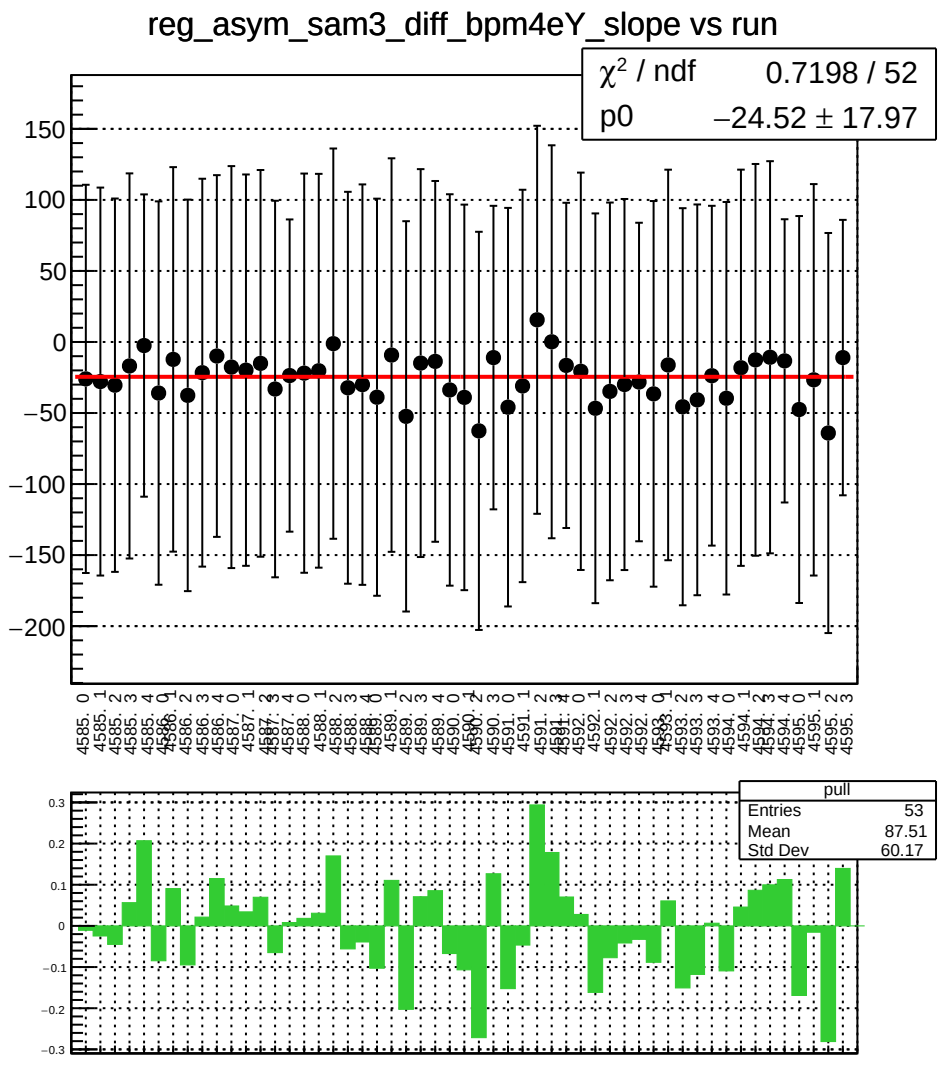

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 3.627 / 52
p0 289.1 ± 10.21
pull
Entries 53
Mean −2289
Std Dev 2316

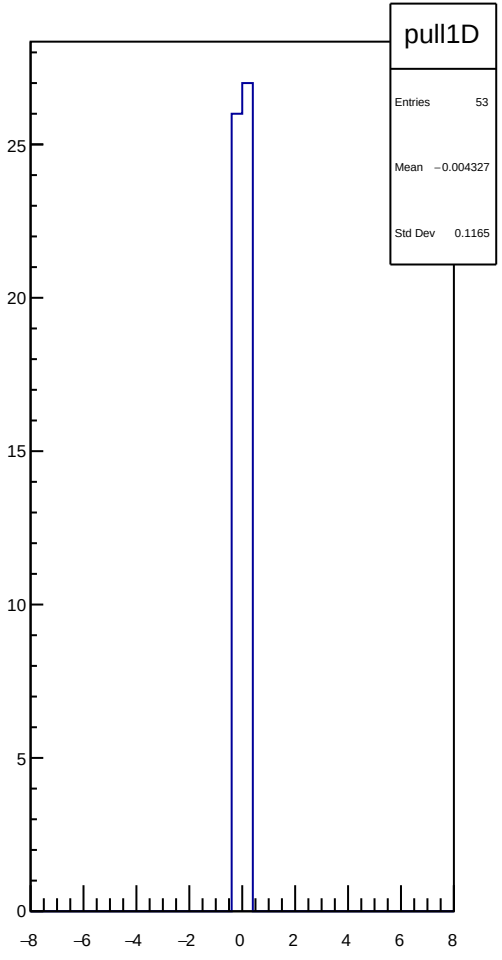

pull1D
Entries 53
Mean 0.0004966
Std Dev 0.2616

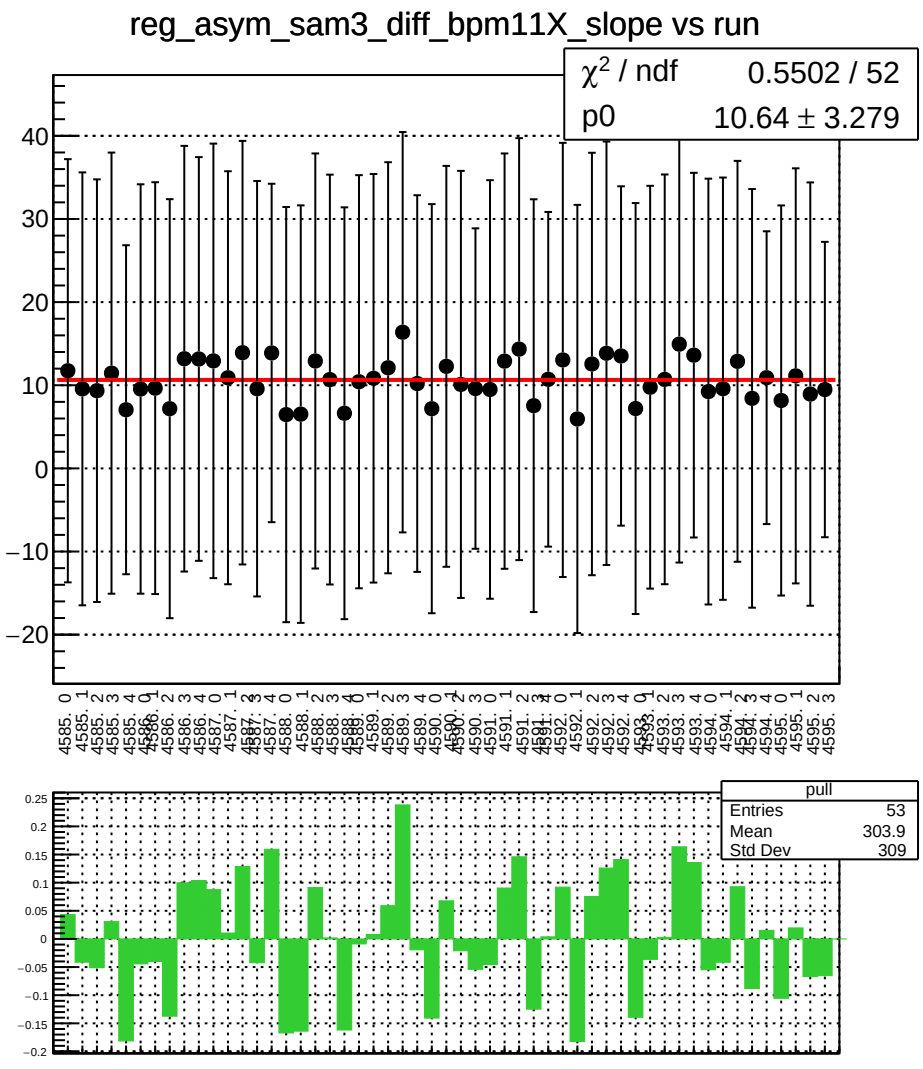

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 0.6711 / 52
p0 20.12 ± 13.23
150
100
50
0
−50
−100
pull
Entries 53
Mean 80.11
Std Dev 54.12
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

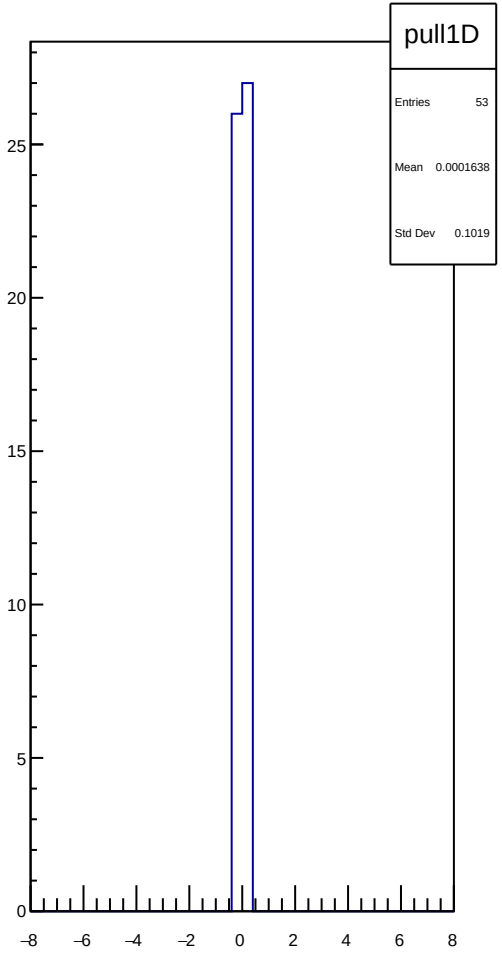

pull1D
Entries 53
Mean 0.004016
Std Dev 0.1125
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

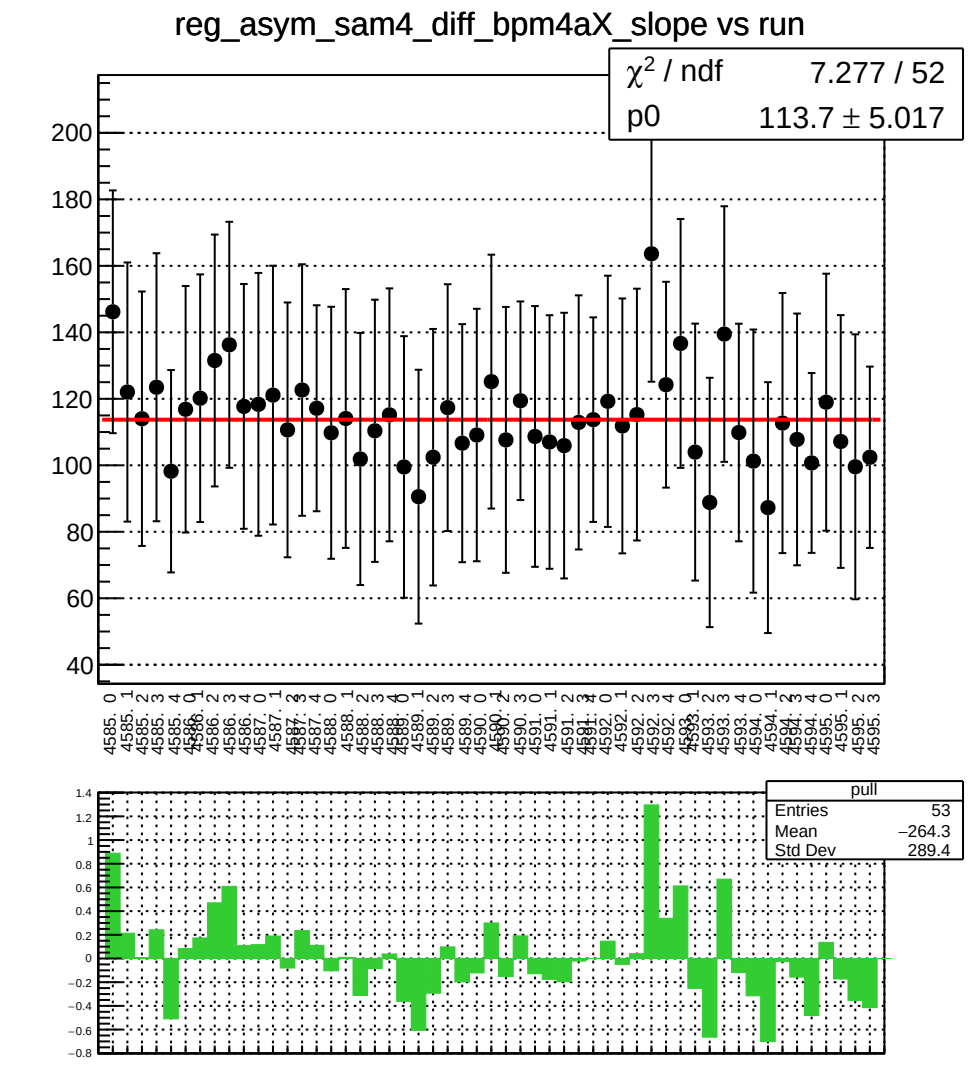

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 4.696 / 52
p0 −1239 ± 2.054
pull
Entries 53
Mean −890.5
Std Dev 923.6
pull1D
Entries 53
Mean 0.001191
Std Dev 0.2977

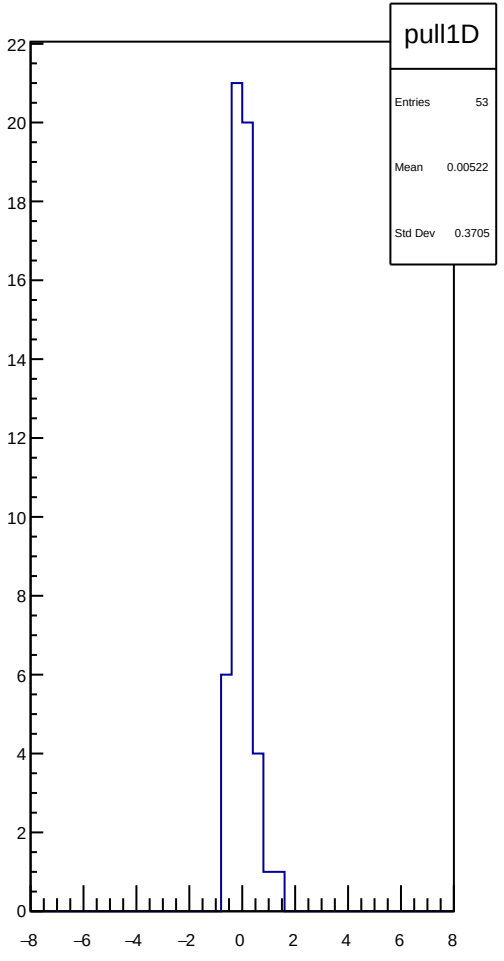

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 0.7198 / 52
p0 −24.52 ± 17.97
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean 87.51
Std Dev 60.17
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

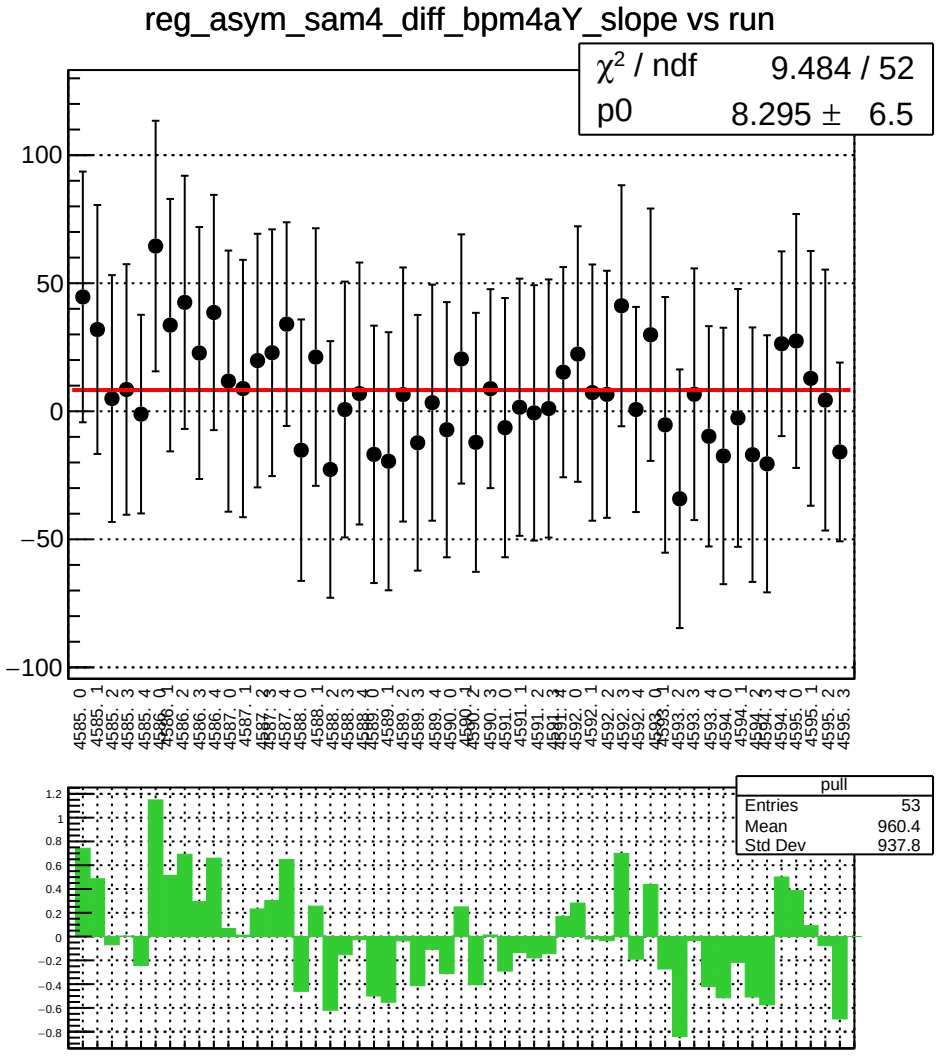

pull1D
Entries 53
Mean −0.004327
Std Dev 0.1165
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

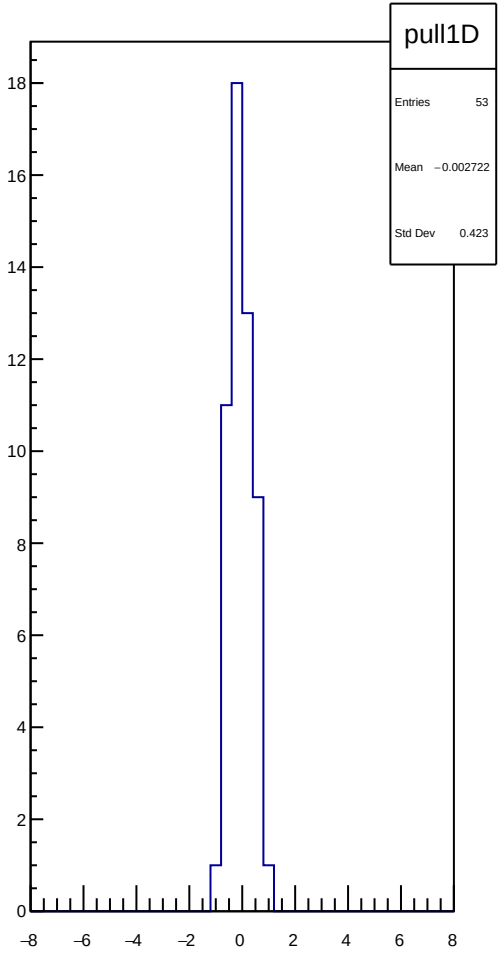

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 0.5502 / 52
p0 10.64 ± 3.279
pull
Entries 53
Mean 303.9
Std Dev 309

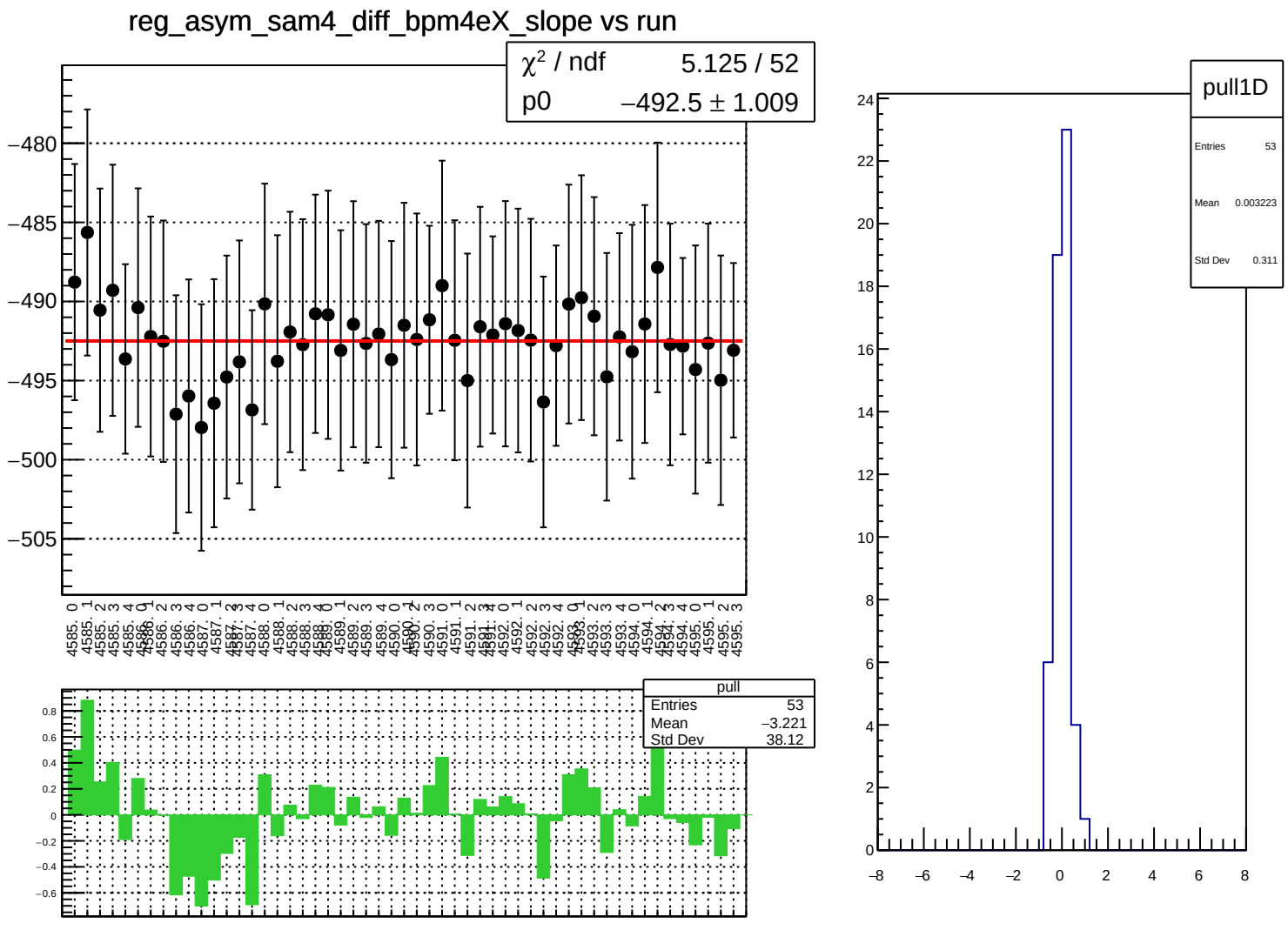

pull1D
Entries 53
Mean 0.0001638
Std Dev 0.1019

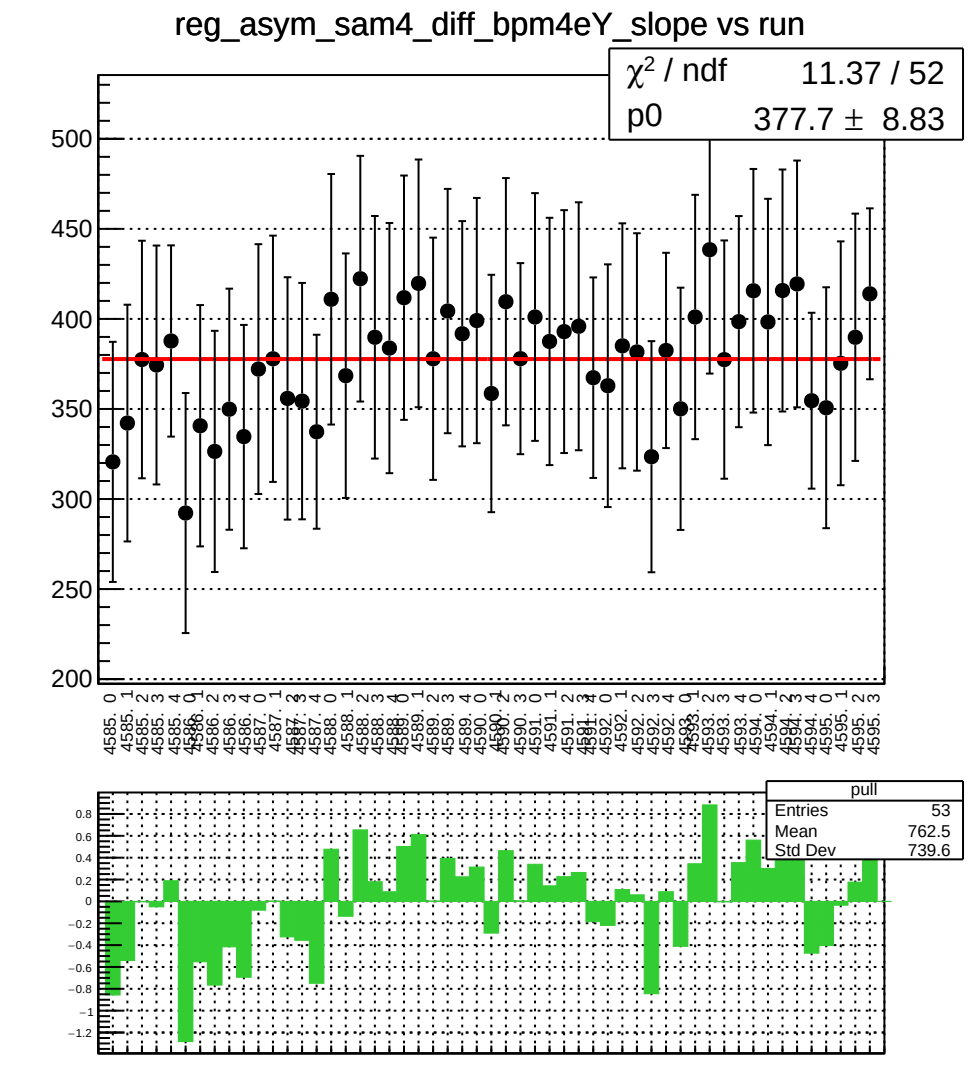

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 7.277 / 52
p0 113.7 ± 5.017
pull
Entries 53
Mean −264.3
Std Dev 289.4

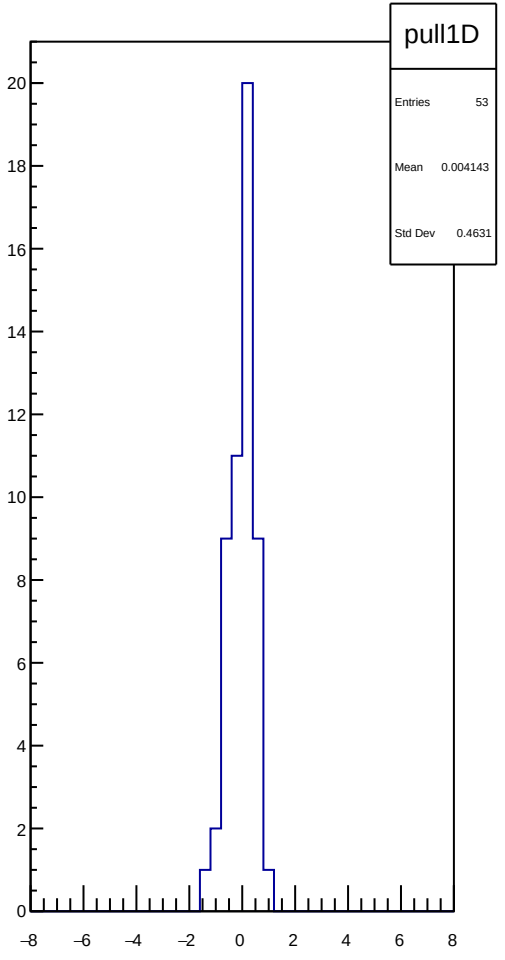

pull1D
Entries 53
Mean 0.00522
Std Dev 0.3705

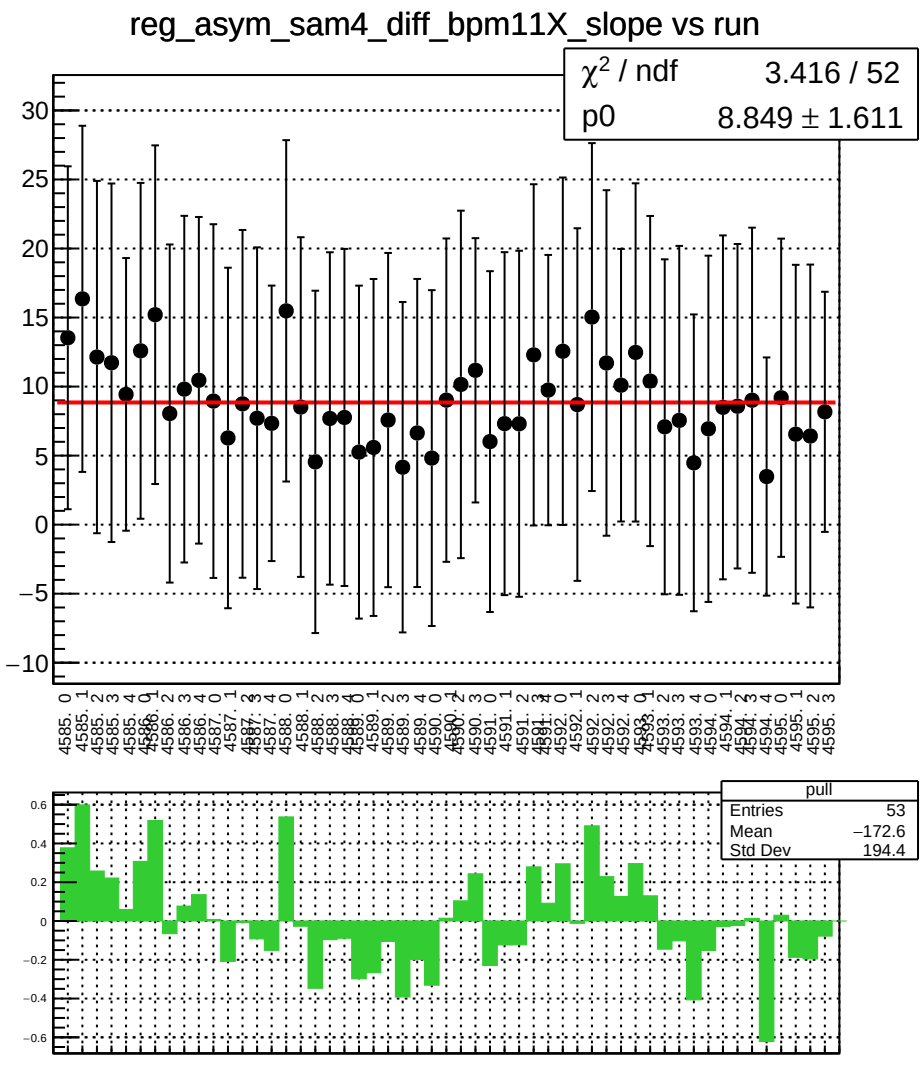

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 9.484 / 52
p0 8.295 ± 6.5
pull
Entries 53
Mean 960.4
Std Dev 937.8

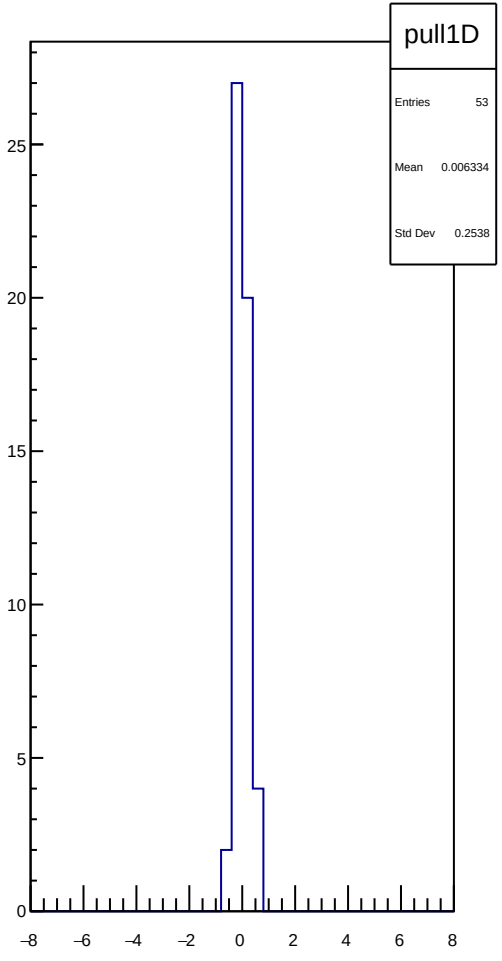

pull1D
Entries 53
Mean −0.002722
Std Dev 0.423

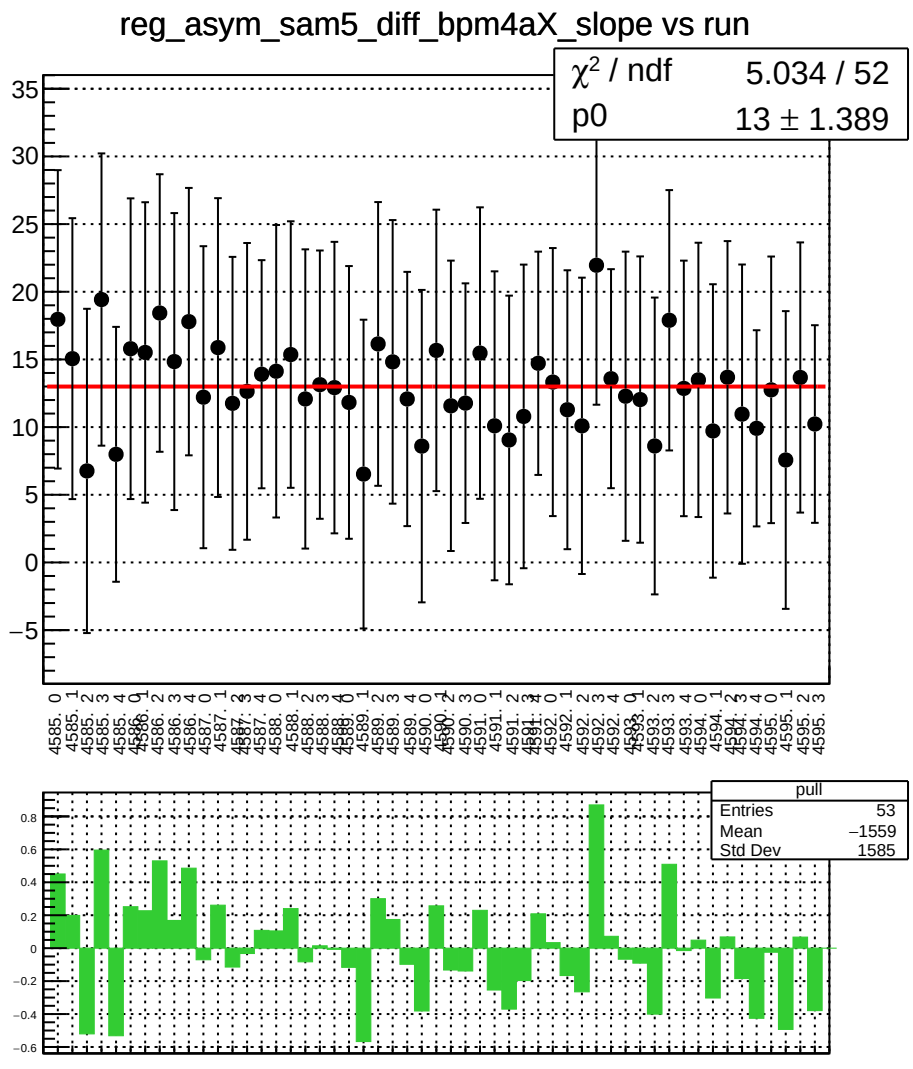

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 5.125 / 52
p0 −492.5 ± 1.009
pull
Entries 53
Mean −3.221
Std Dev 38.12
pull1D
Entries 53
Mean 0.003223
Std Dev 0.311

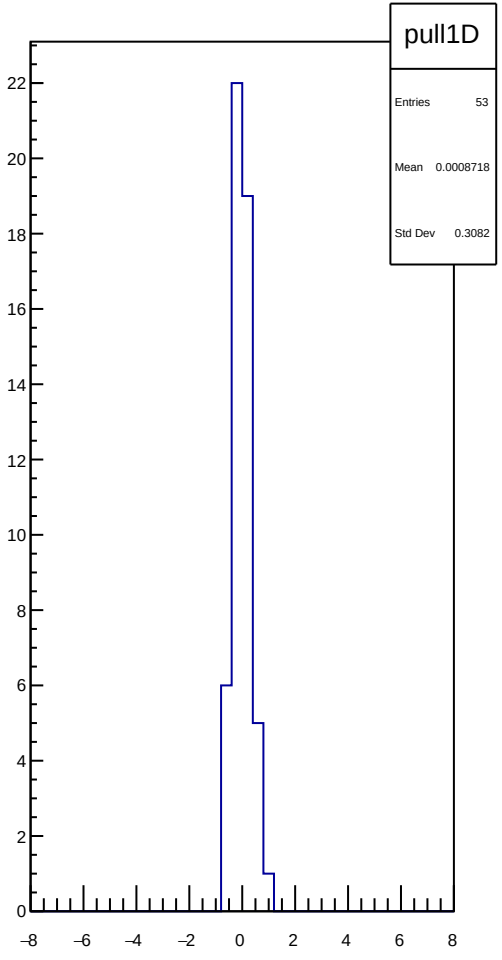

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 11.37 / 52
p0 377.7 ± 8.83
pull
Entries 53
Mean 762.5
Std Dev 739.6

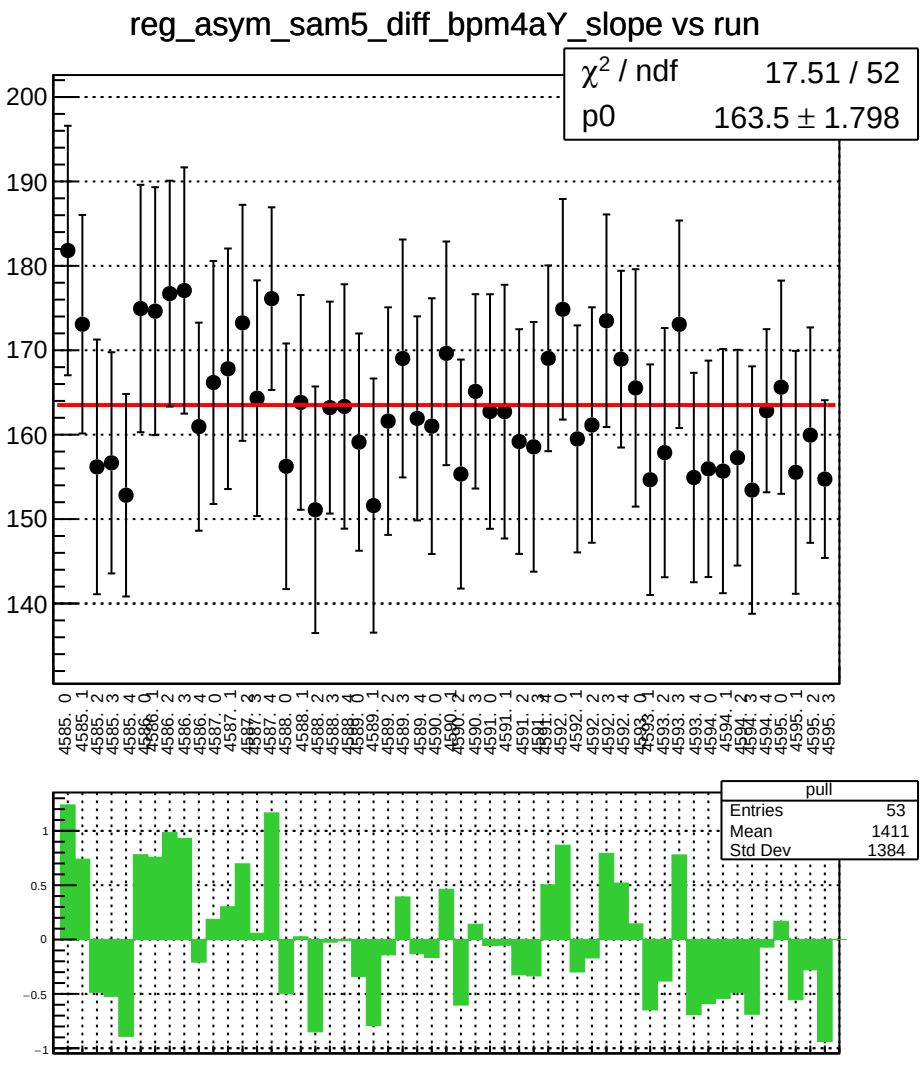

pull1D
Entries 53
Mean 0.004143
Std Dev 0.4631

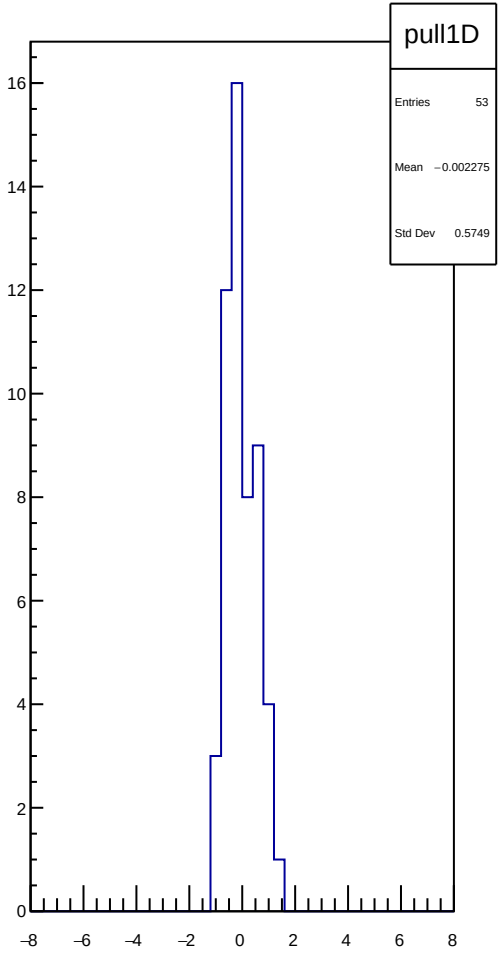

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 3.416 / 52
p0 8.849 ± 1.611
pull
Entries 53
Mean −172.6
Std Dev 194.4

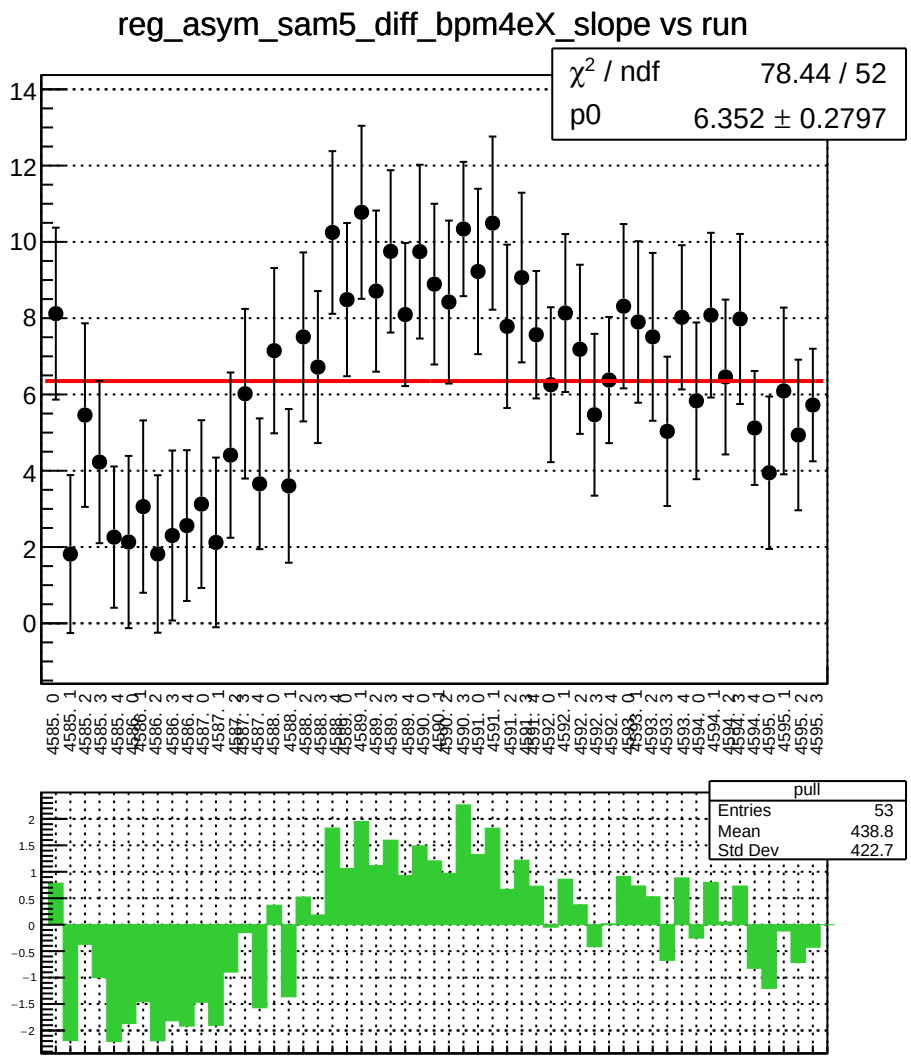

pull1D
Entries 53
Mean 0.006334
Std Dev 0.2538

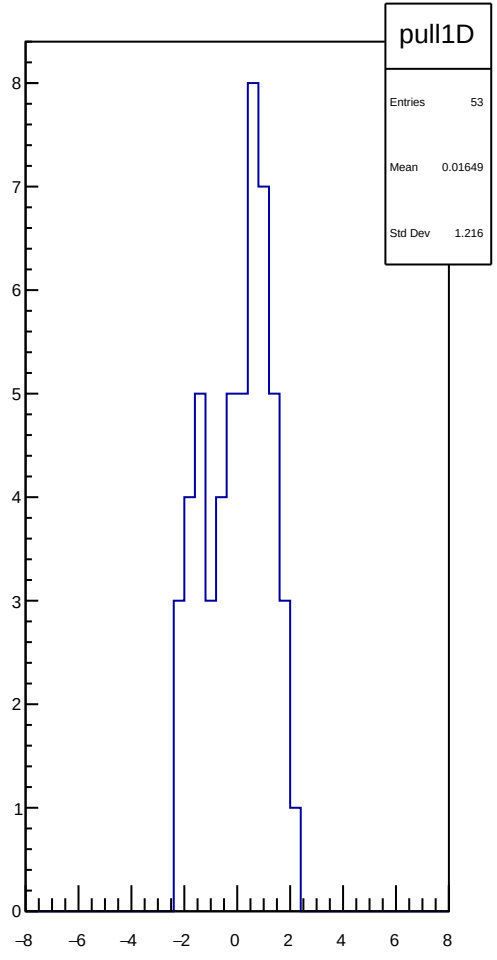

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 5.034 / 52
p0 13 ± 1.389
pull
Entries 53
Mean −1559
Std Dev 1585

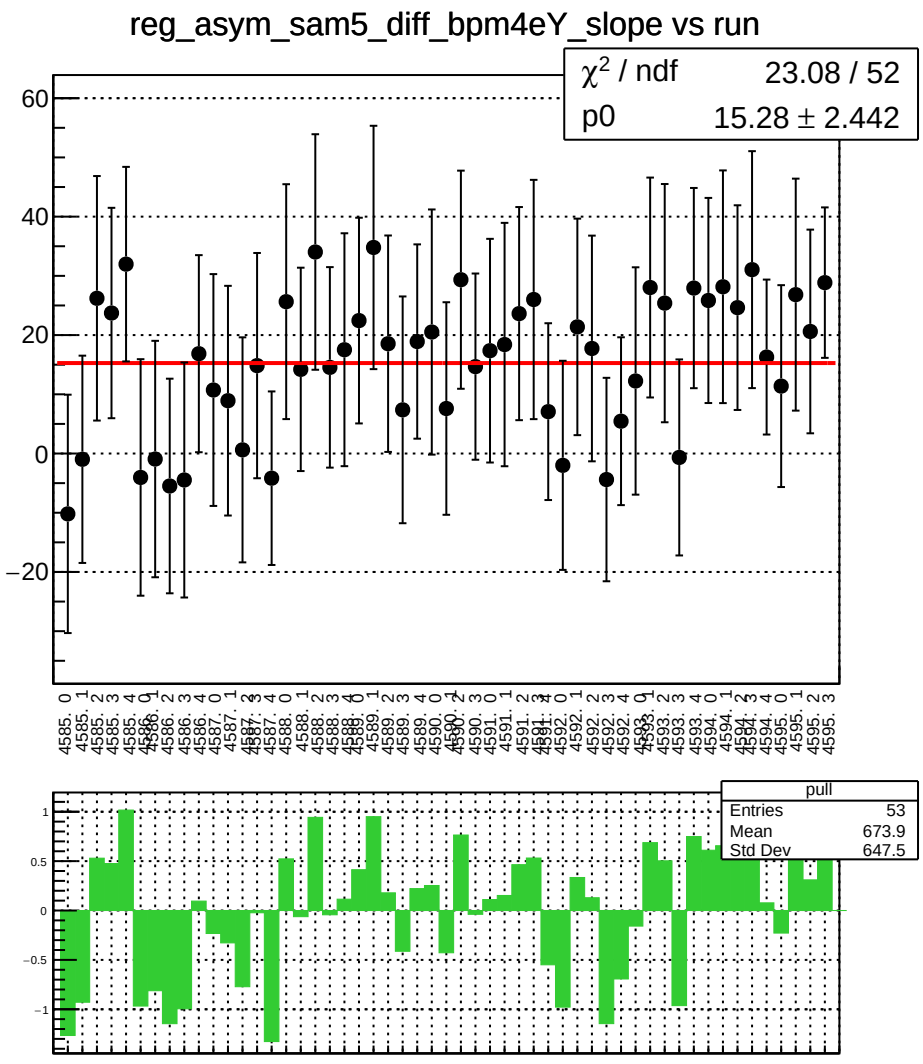

pull1D
Entries 53
Mean 0.0008718
Std Dev 0.3082

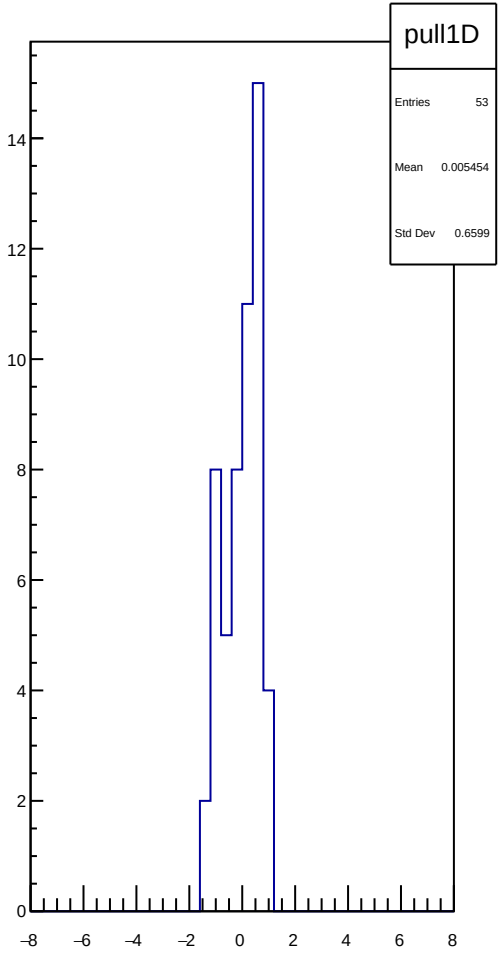

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 17.51 / 52
p0 163.5 ± 1.798
pull
Entries 53
Mean 1411
Std Dev 1384

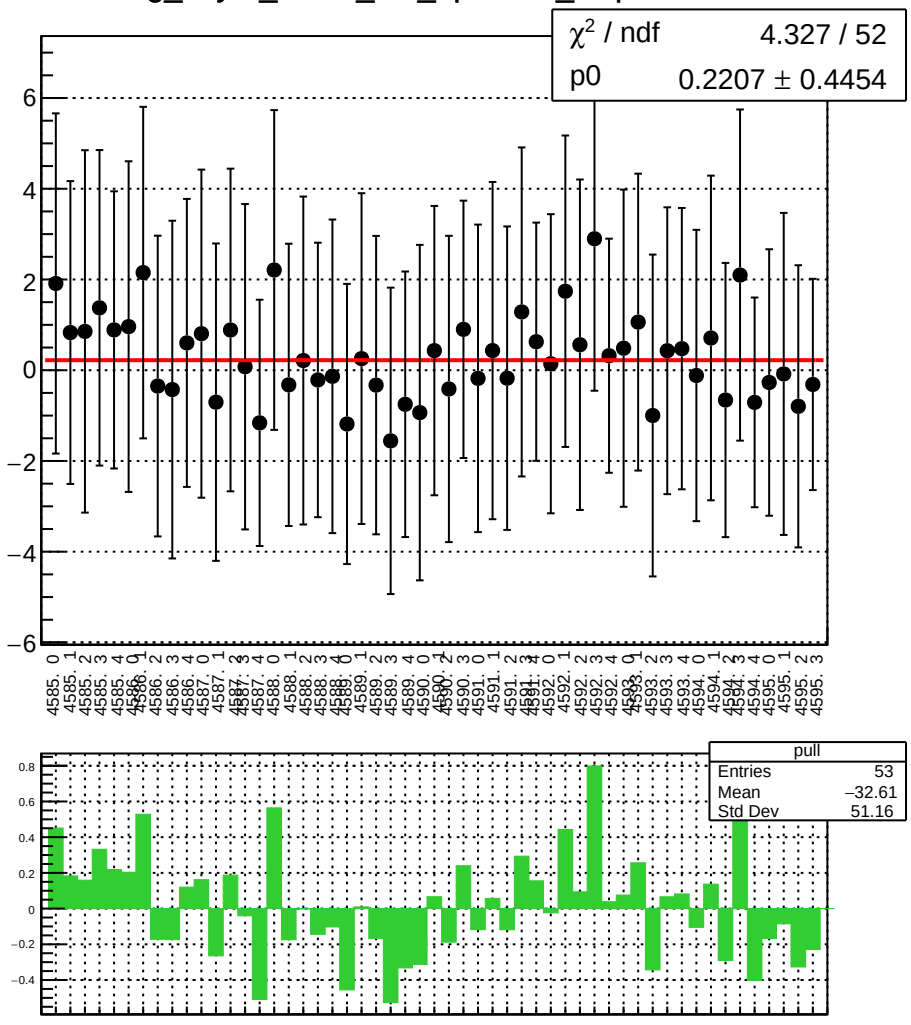

pull1D
Entries 53
Mean −0.002275
Std Dev 0.5749

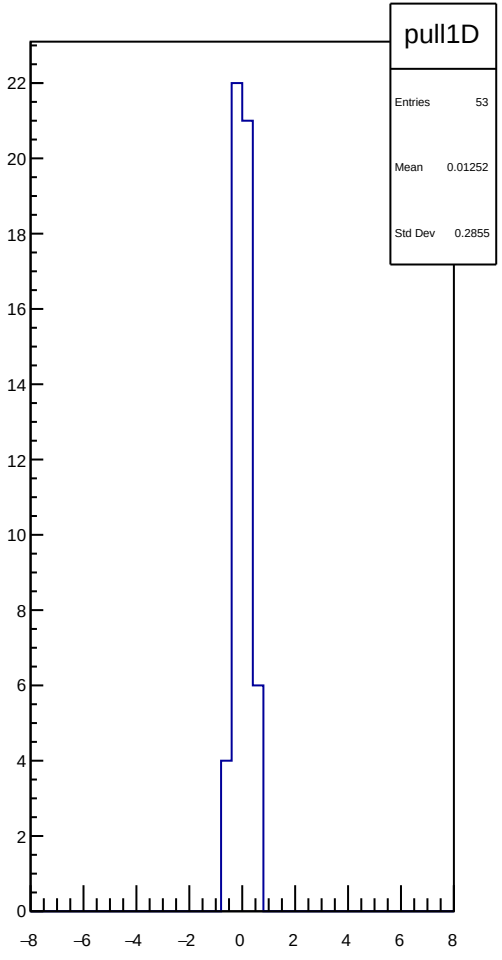

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 78.44 / 52
p0 6.352 ± 0.2797
pull
Entries 53
Mean 438.8
Std Dev 422.7

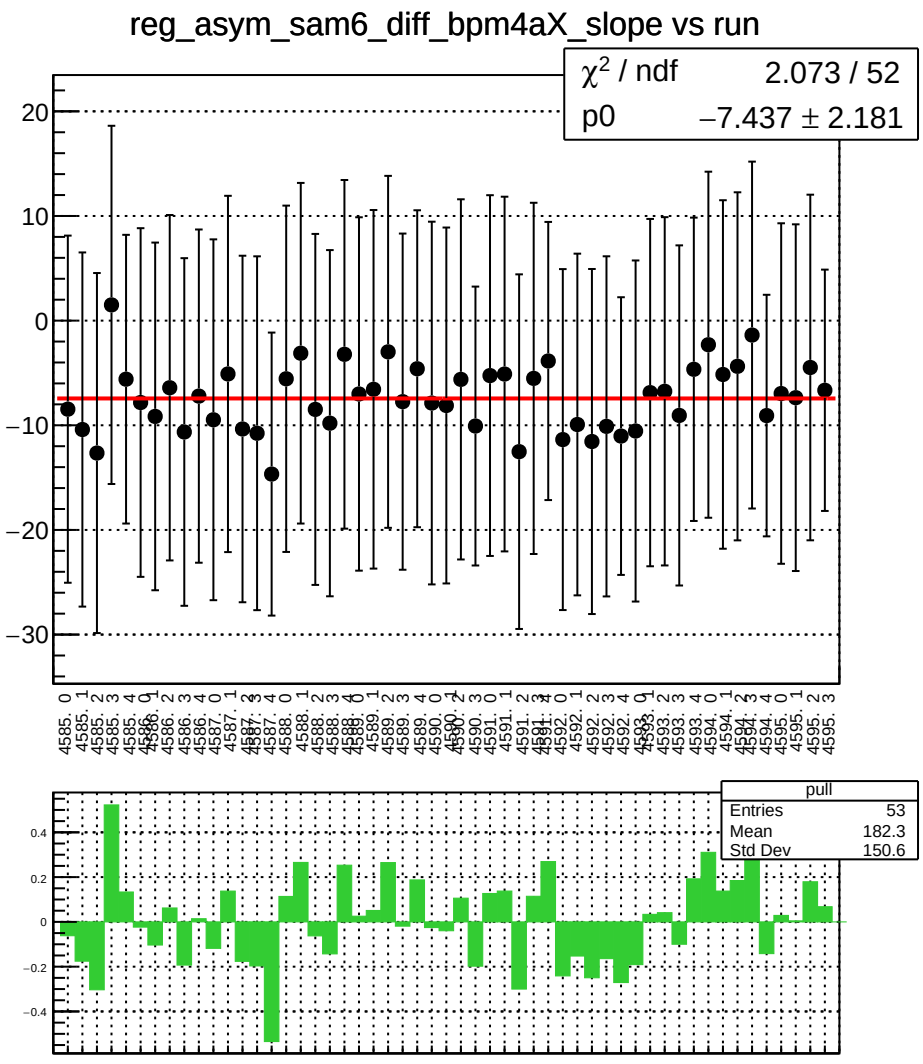

pull1D
Entries 53
Mean 0.01649
Std Dev 1.216

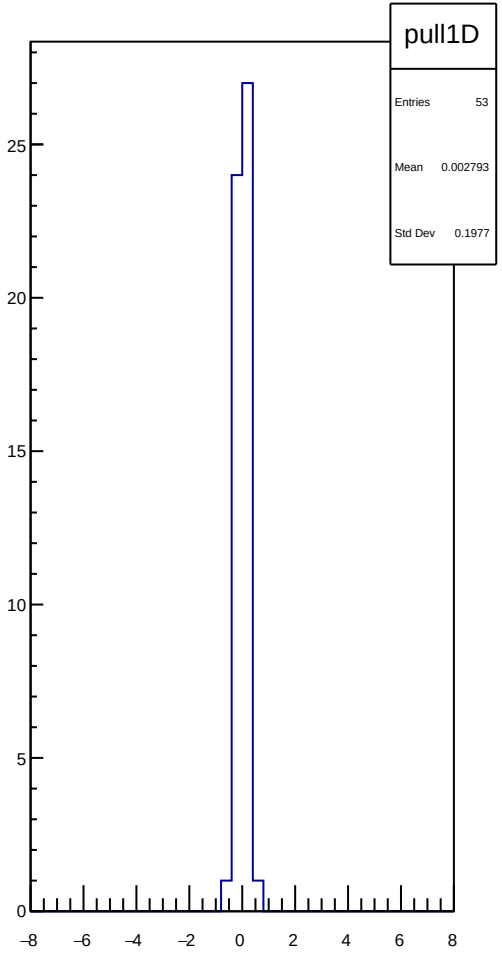

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 23.08 / 52
p0 15.28 ± 2.442
pull
Entries 53
Mean 673.9
Std Dev 647.5

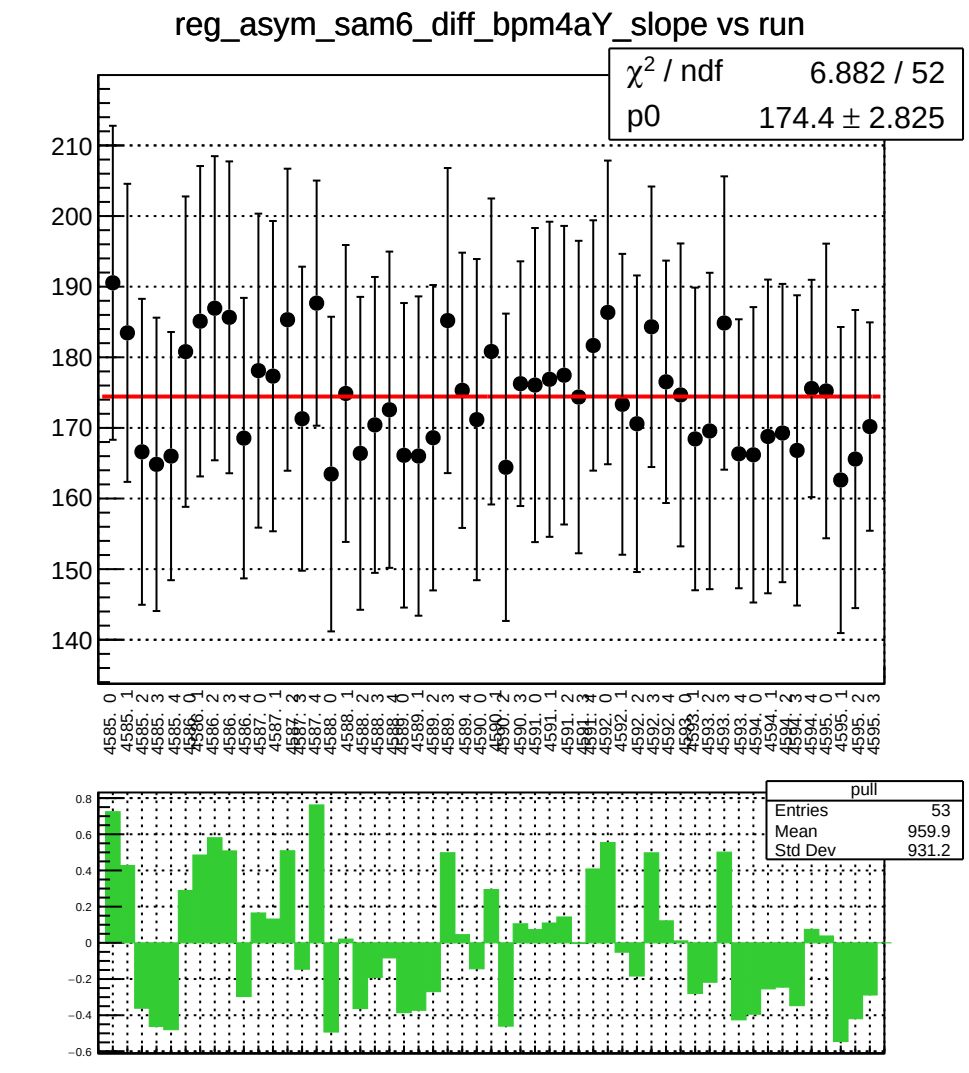

pull1D
Entries 53
Mean 0.005454
Std Dev 0.6599

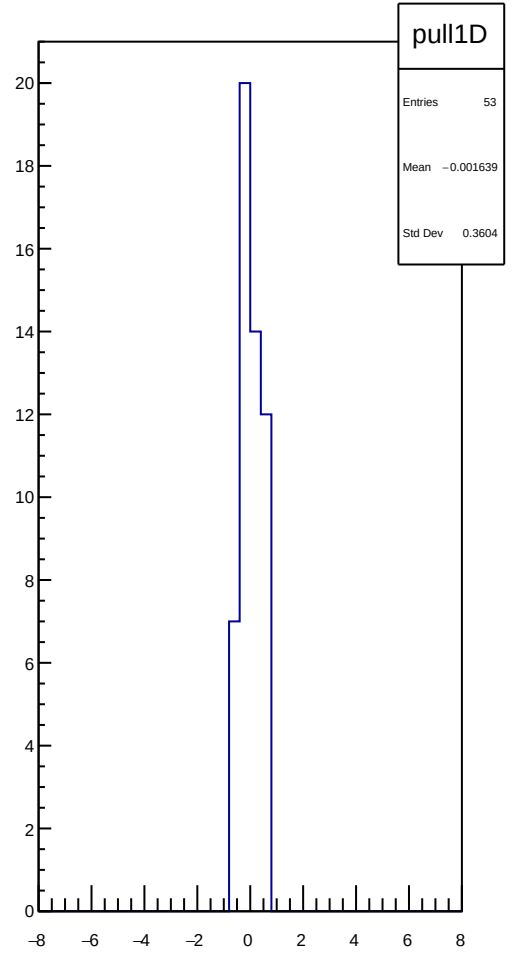

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 4.327 / 52
p0 0.2207 ± 0.4454
pull
Entries 53
Mean −32.61
Std Dev 51.16

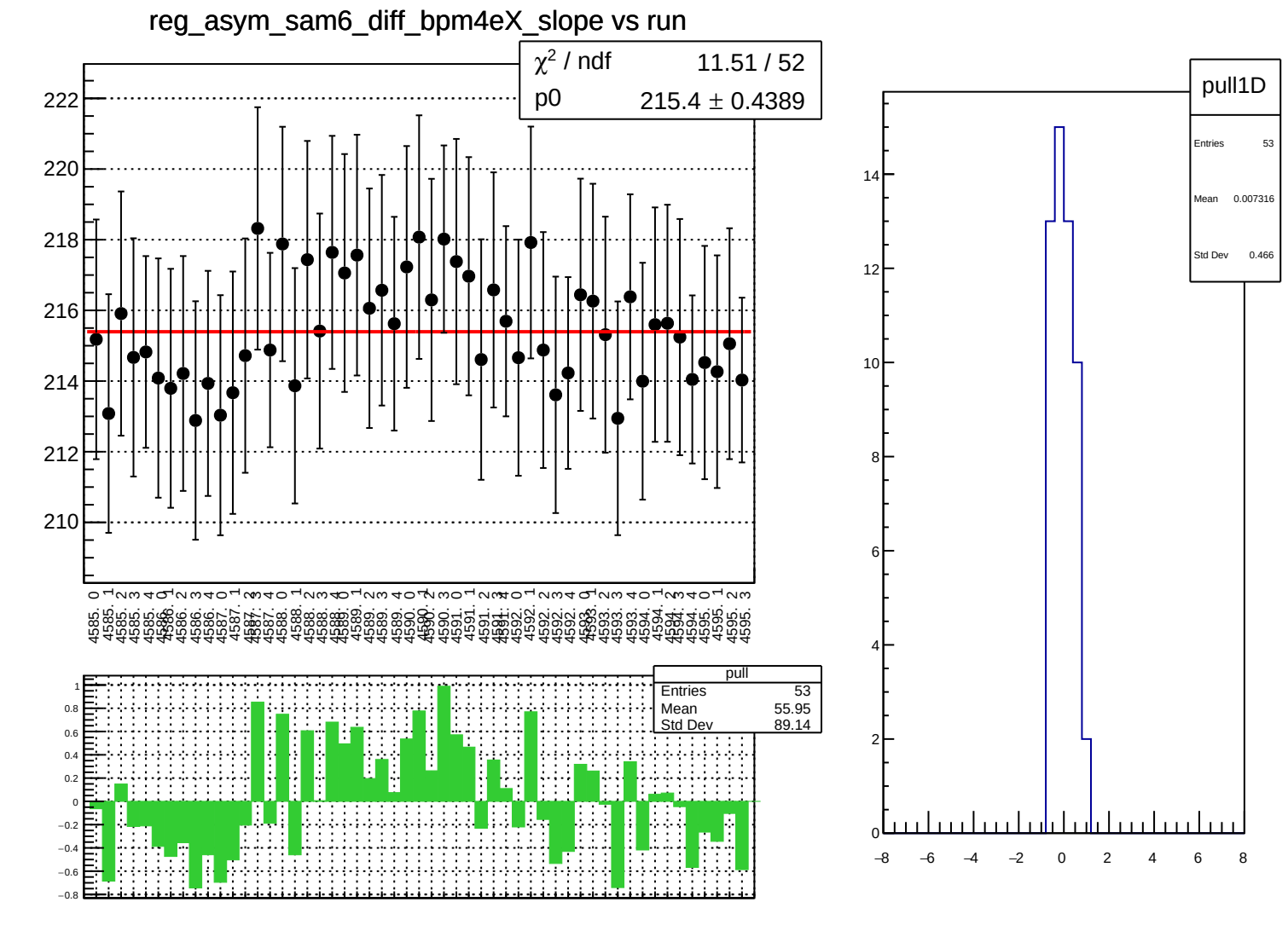

pull1D
Entries 53
Mean 0.01252
Std Dev 0.2855

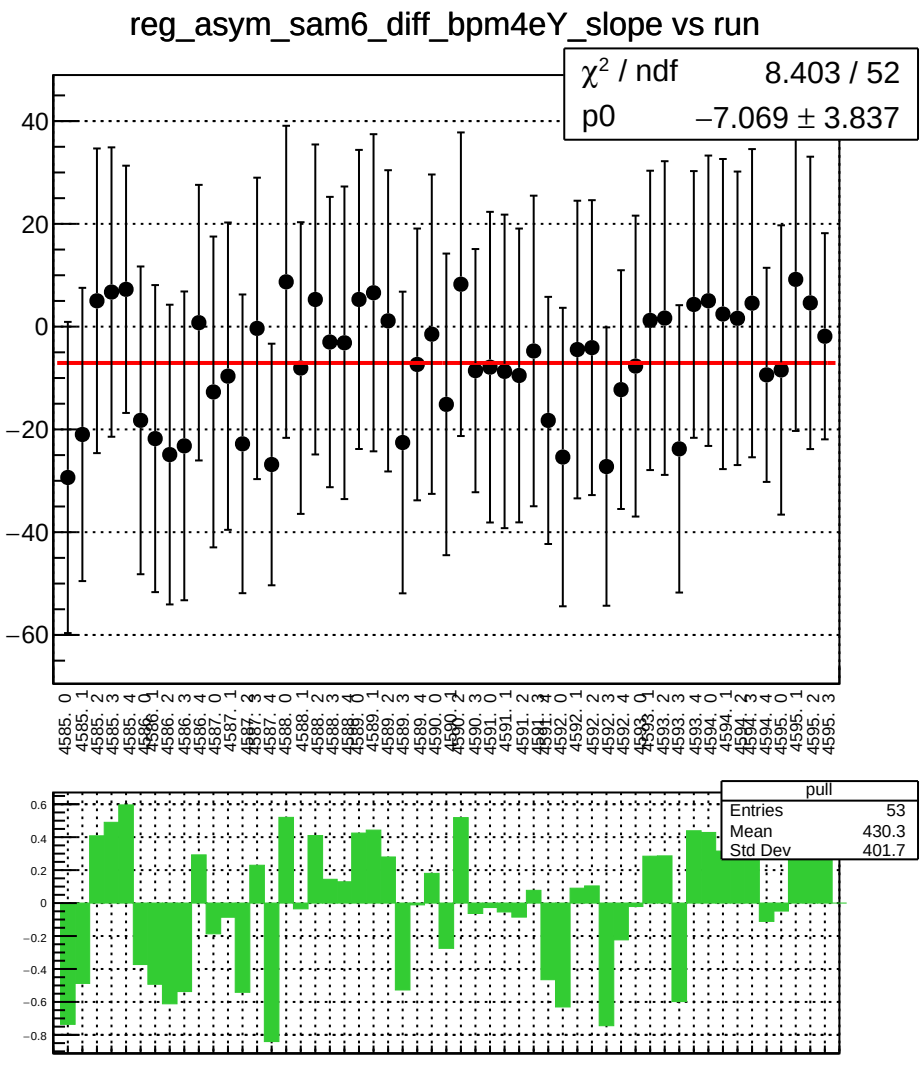

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 2.073 / 52
p0 −7.437 ± 2.181
pull
Entries 53
Mean 182.3
Std Dev 150.6

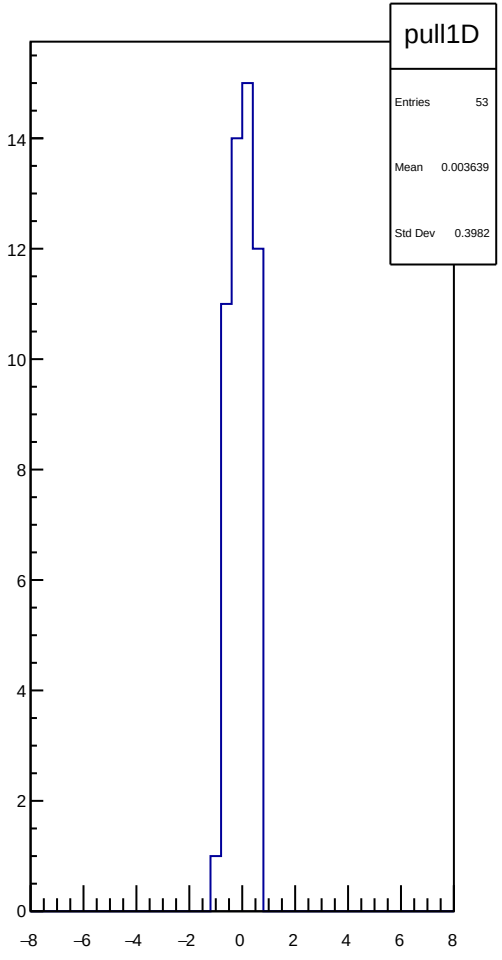

pull1D
Entries 53
Mean 0.002793
Std Dev 0.1977

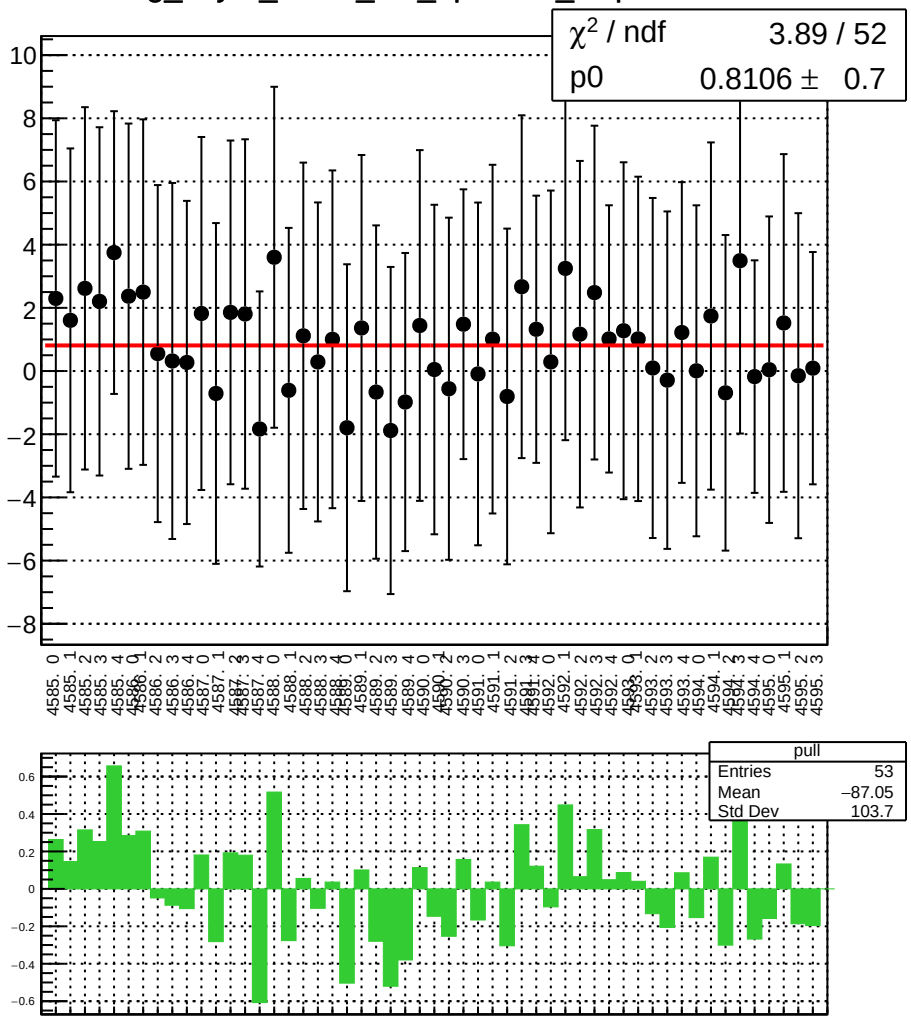

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 6.882 / 52
p0 174.4 ± 2.825
pull
Entries 53
Mean 959.9
Std Dev 931.2

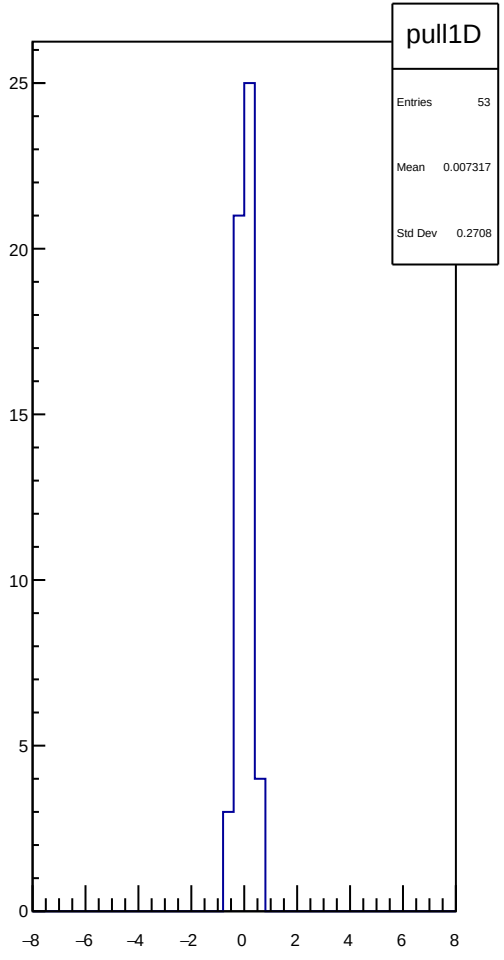

pull1D
Entries 53
Mean −0.001639
Std Dev 0.3604

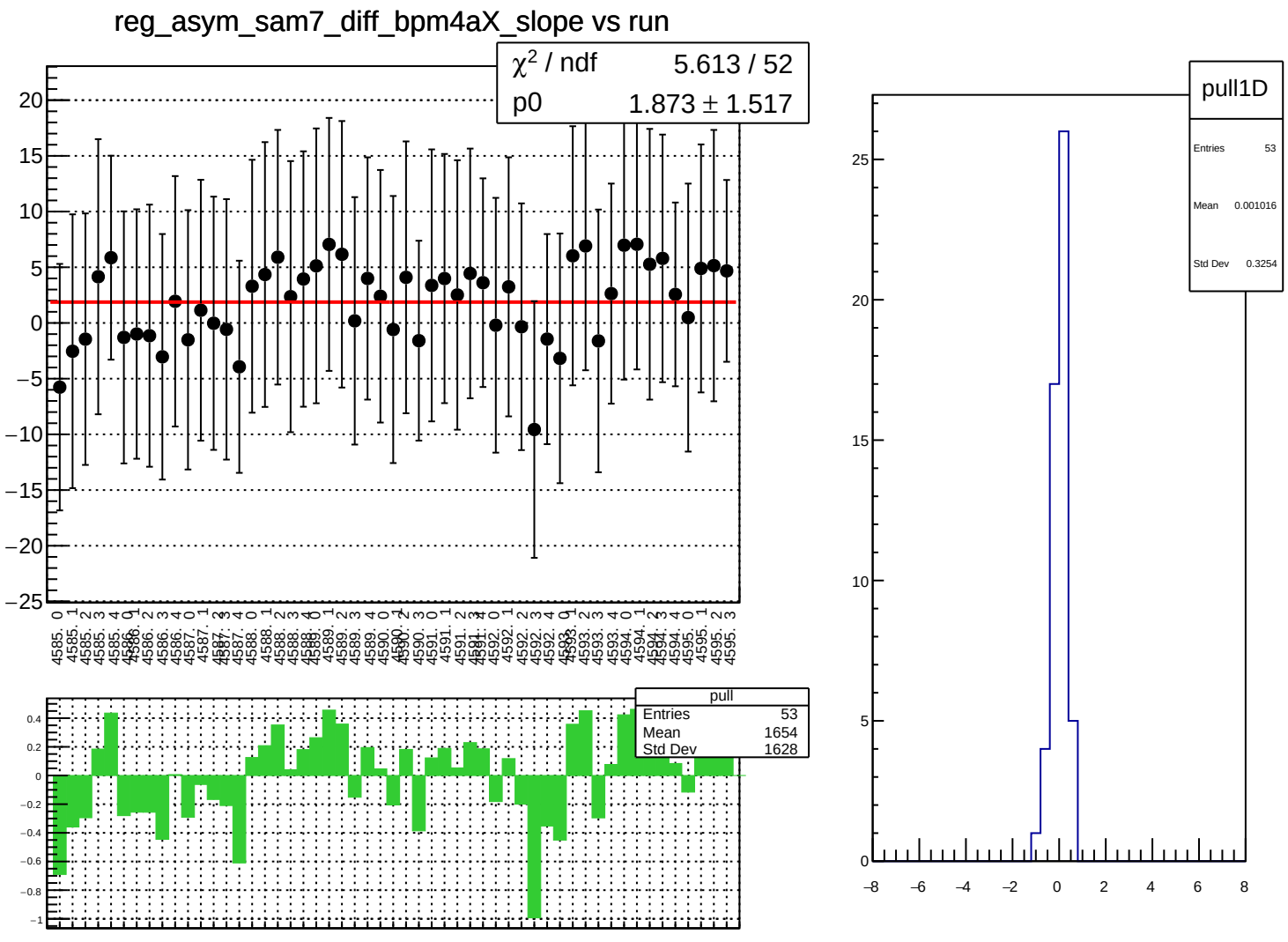

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 11.51 / 52
p0 215.4 ± 0.4389
222
220
218
216
214
212
210
pull
Entries 53
Mean 55.95
Std Dev 89.14
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 53
Mean 0.007316
Std Dev 0.466
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

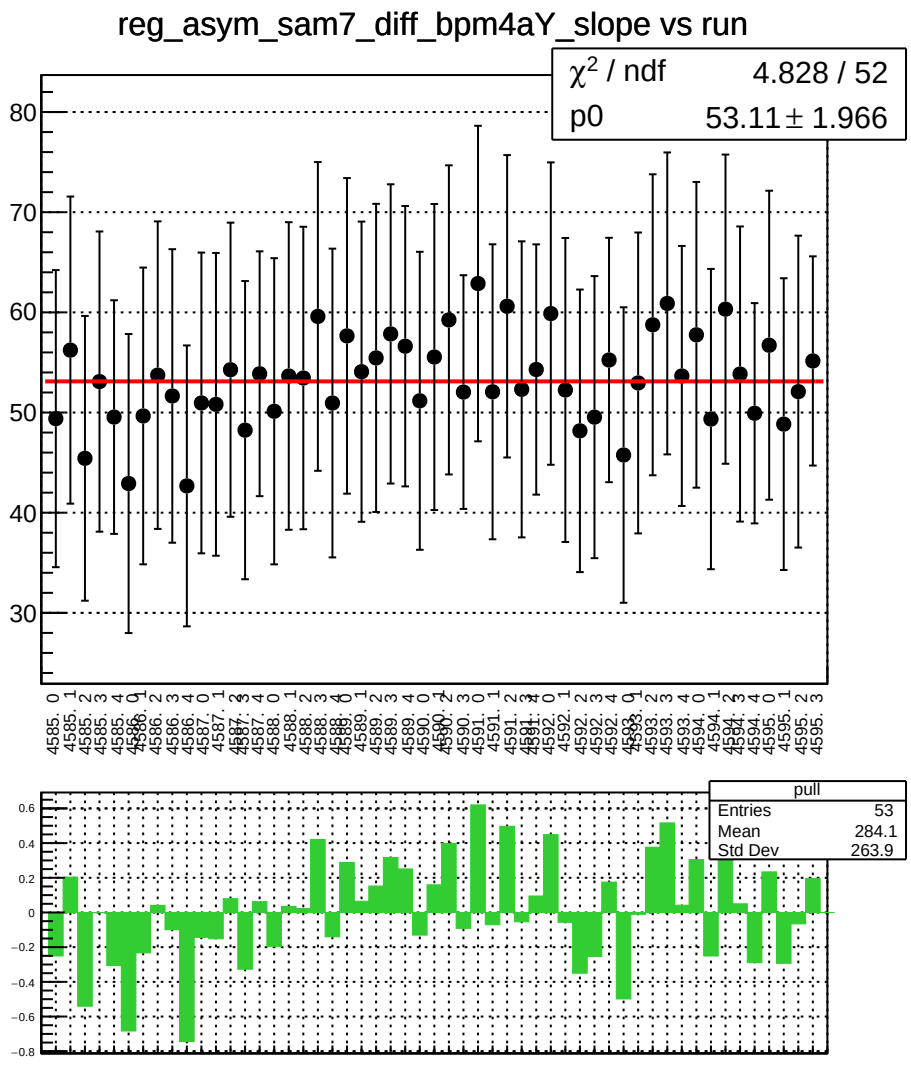

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 8.403 / 52
p0 −7.069 ± 3.837
pull
Entries 53
Mean 430.3
Std Dev 401.7

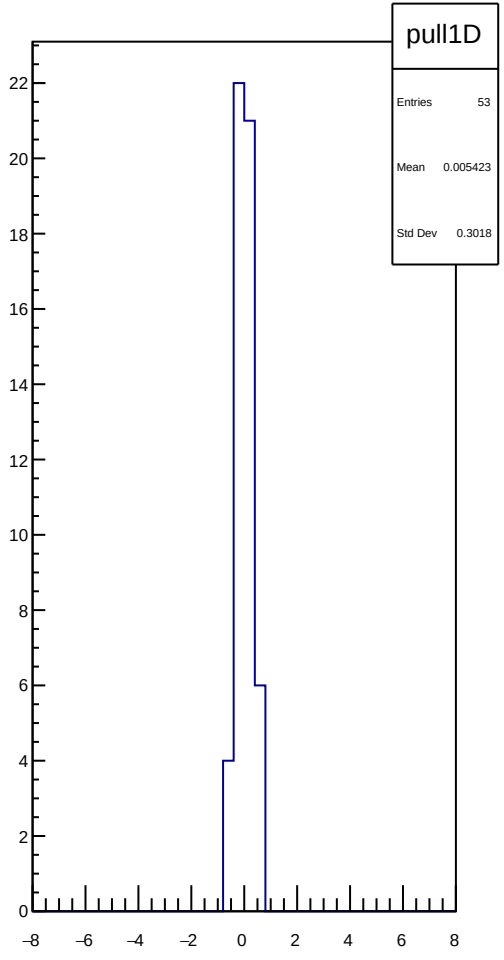

pull1D
Entries 53
Mean 0.003639
Std Dev 0.3982

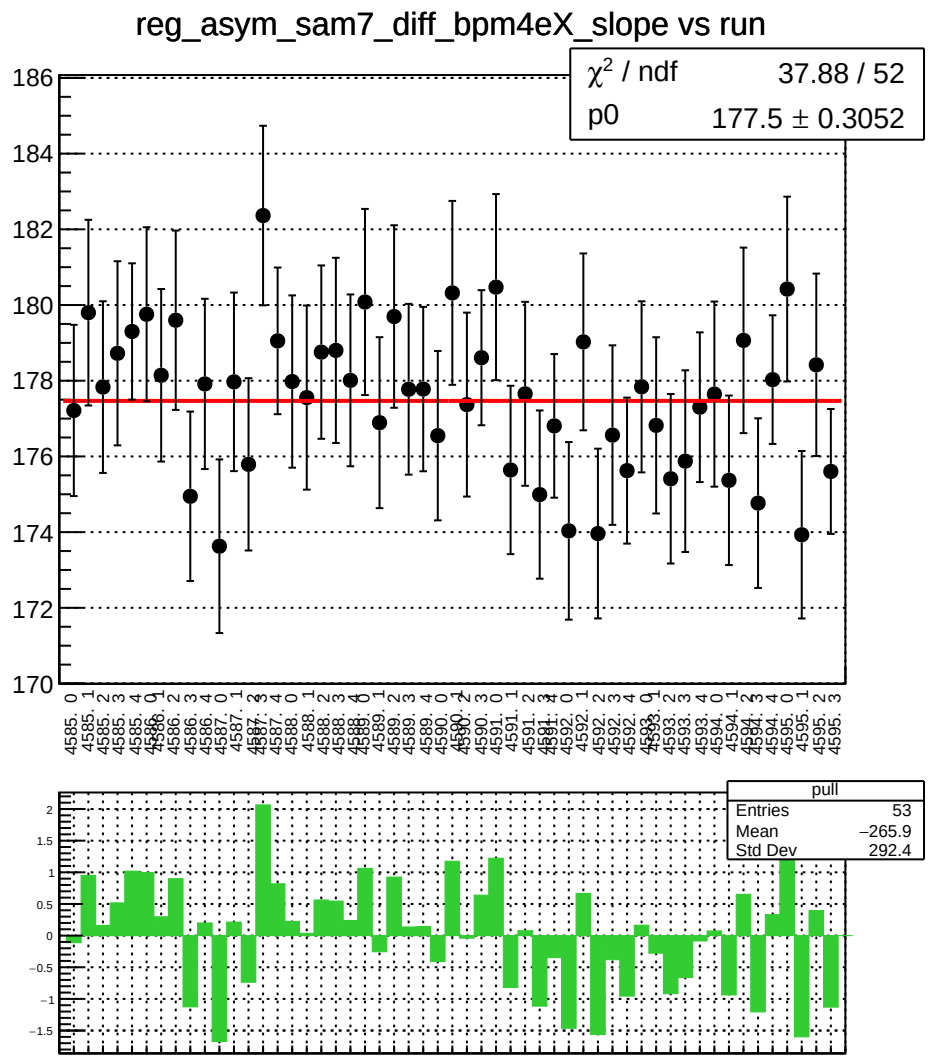

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 3.89 / 52
p0 0.8106 ± 0.7
pull
Entries 53
Mean −87.05
Std Dev 103.7

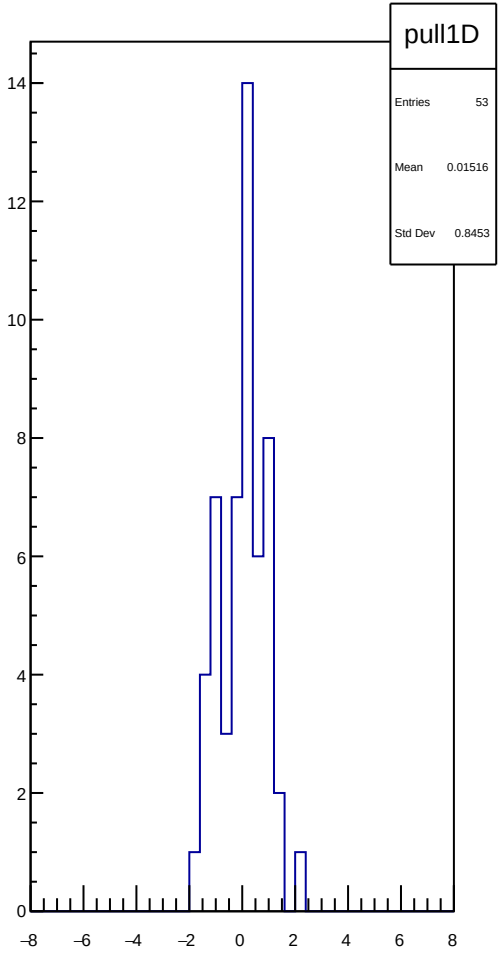

pull1D
Entries 53
Mean 0.007317
Std Dev 0.2708

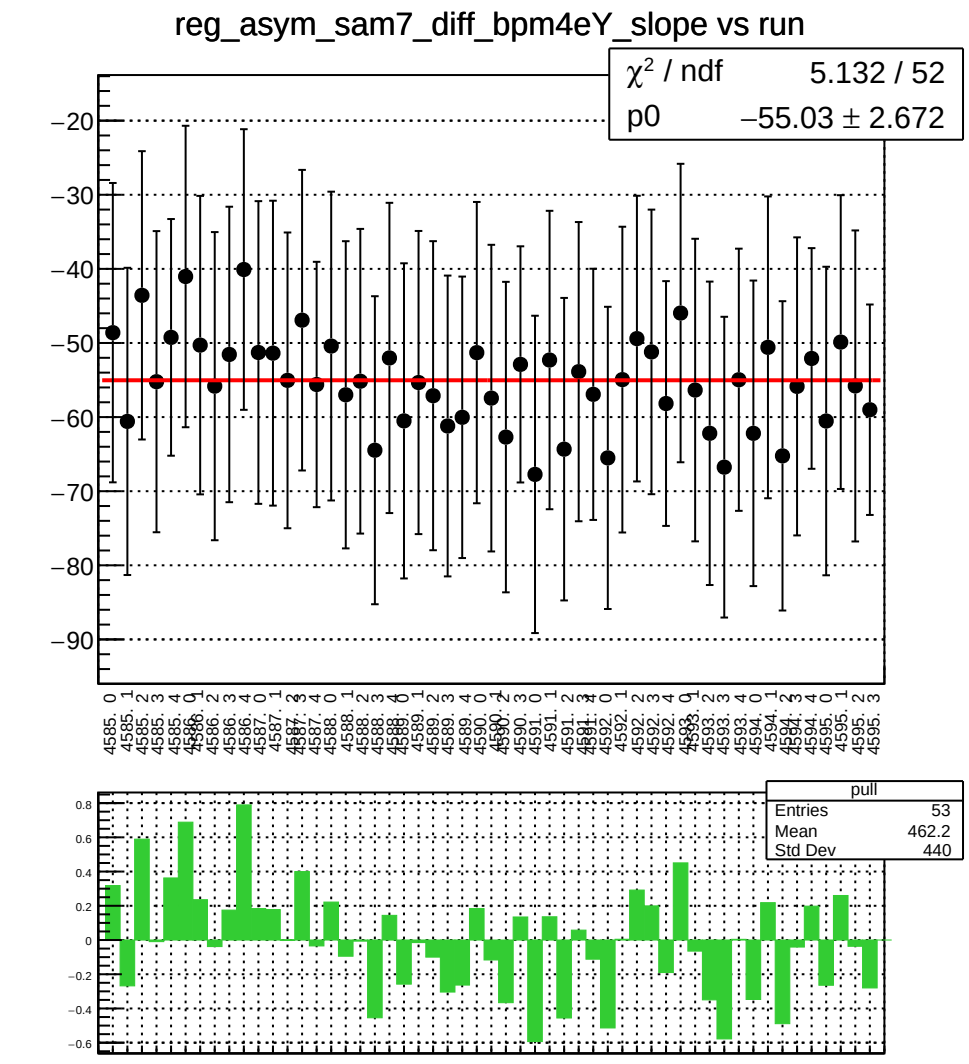

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 5.613 / 52
p0 1.873 ± 1.517
pull
Entries 53
Mean 1654
Std Dev 1628
pull1D
Entries 53
Mean 0.001016
Std Dev 0.3254

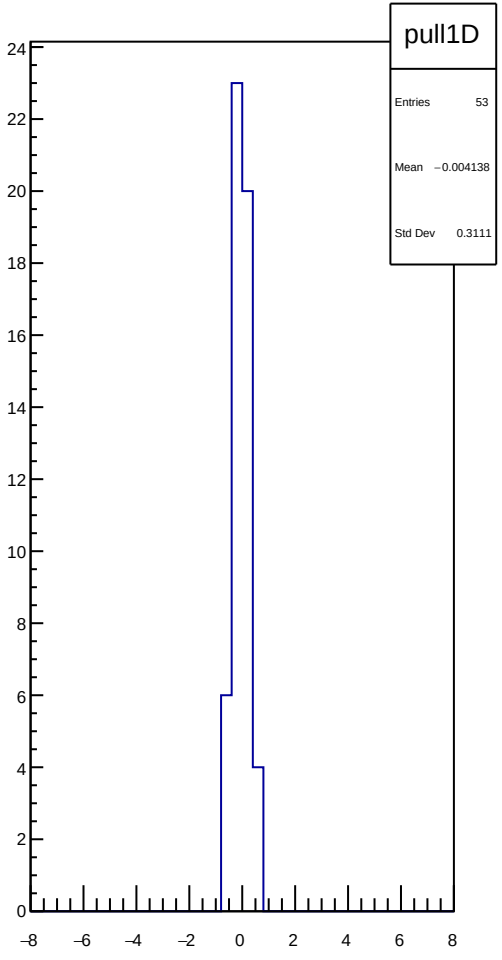

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 4.828 / 52
p0 53.11 ± 1.966
pull
Entries 53
Mean 284.1
Std Dev 263.9

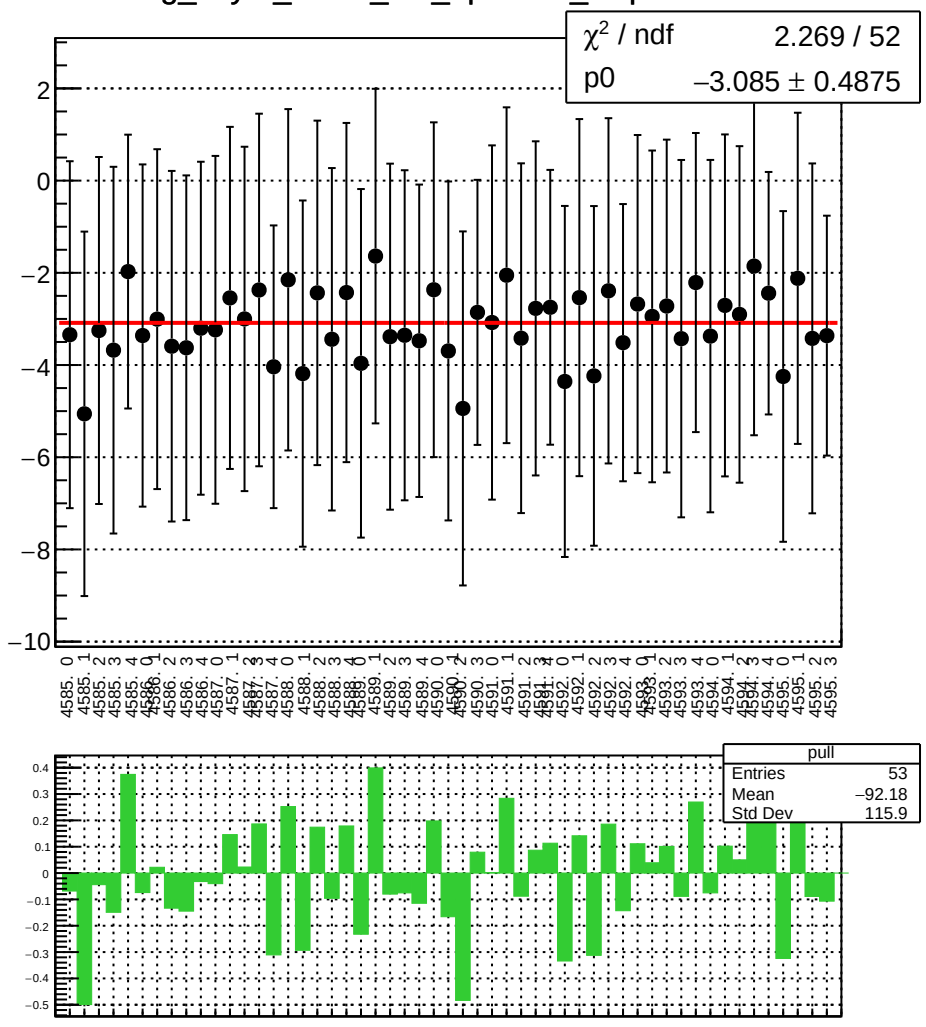

pull1D
Entries 53
Mean 0.005423
Std Dev 0.3018

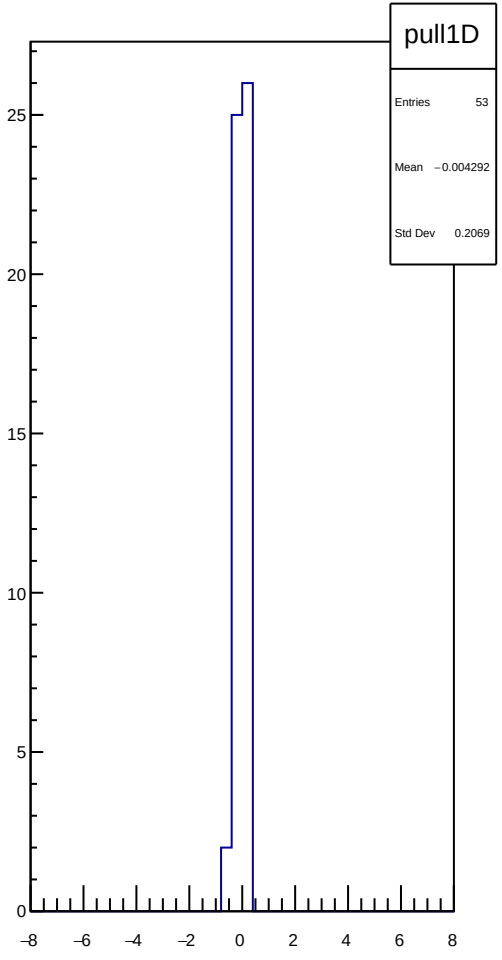

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 37.88 / 52
p0 177.5 ± 0.3052
pull
Entries 53
Mean −265.9
Std Dev 292.4

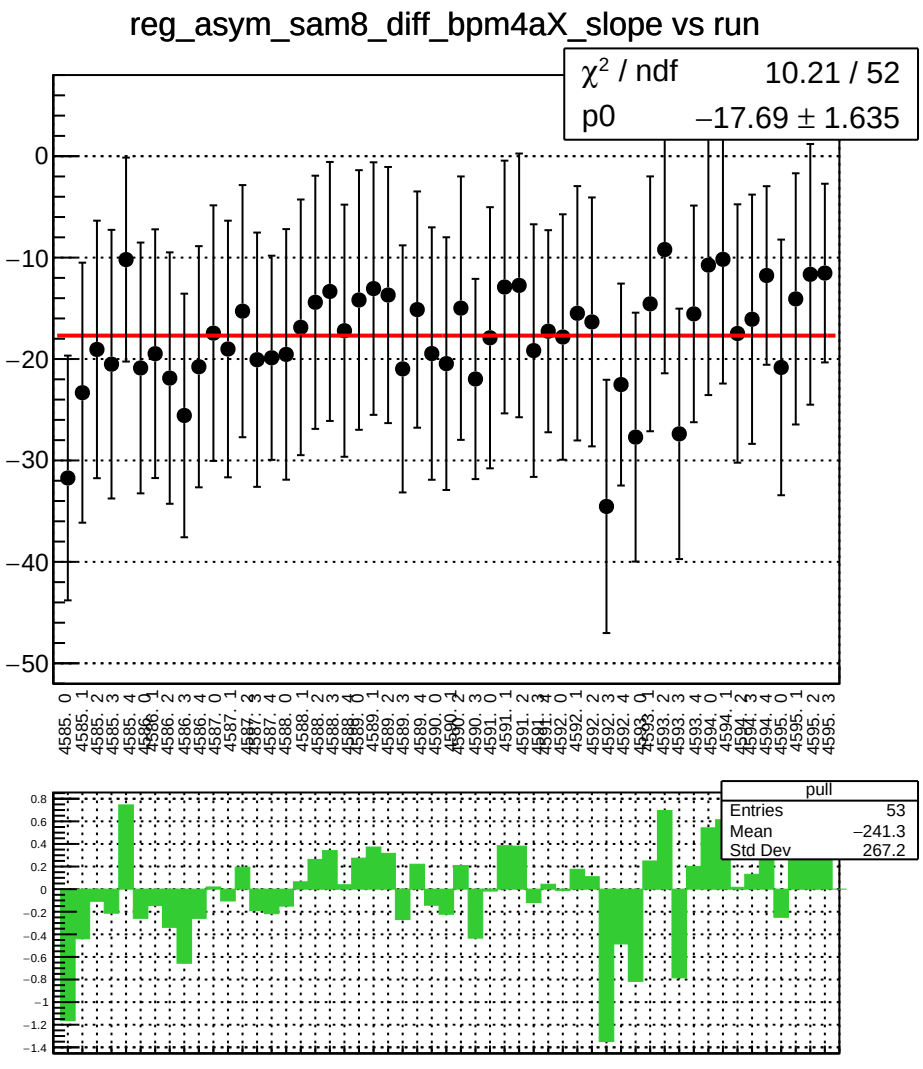

pull1D
Entries 53
Mean 0.01516
Std Dev 0.8453

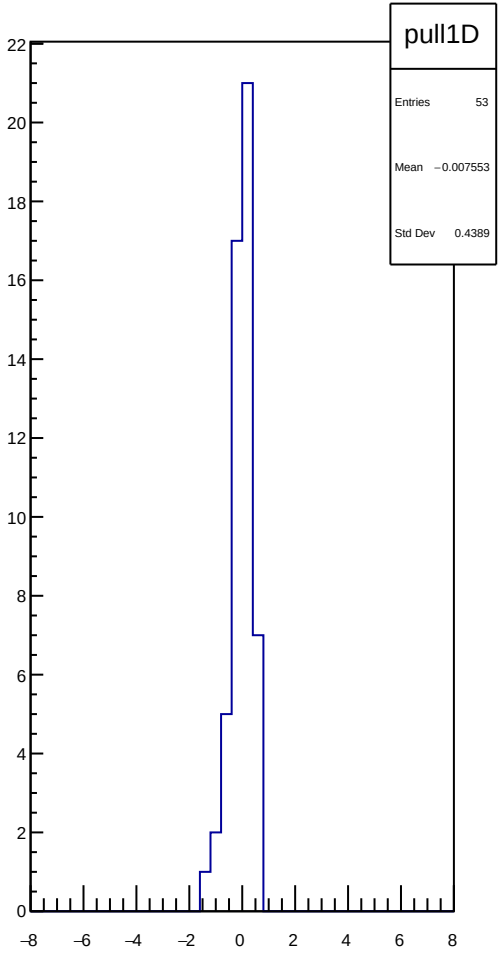

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 5.132 / 52
p0 −55.03 ± 2.672
pull
Entries 53
Mean 462.2
Std Dev 440

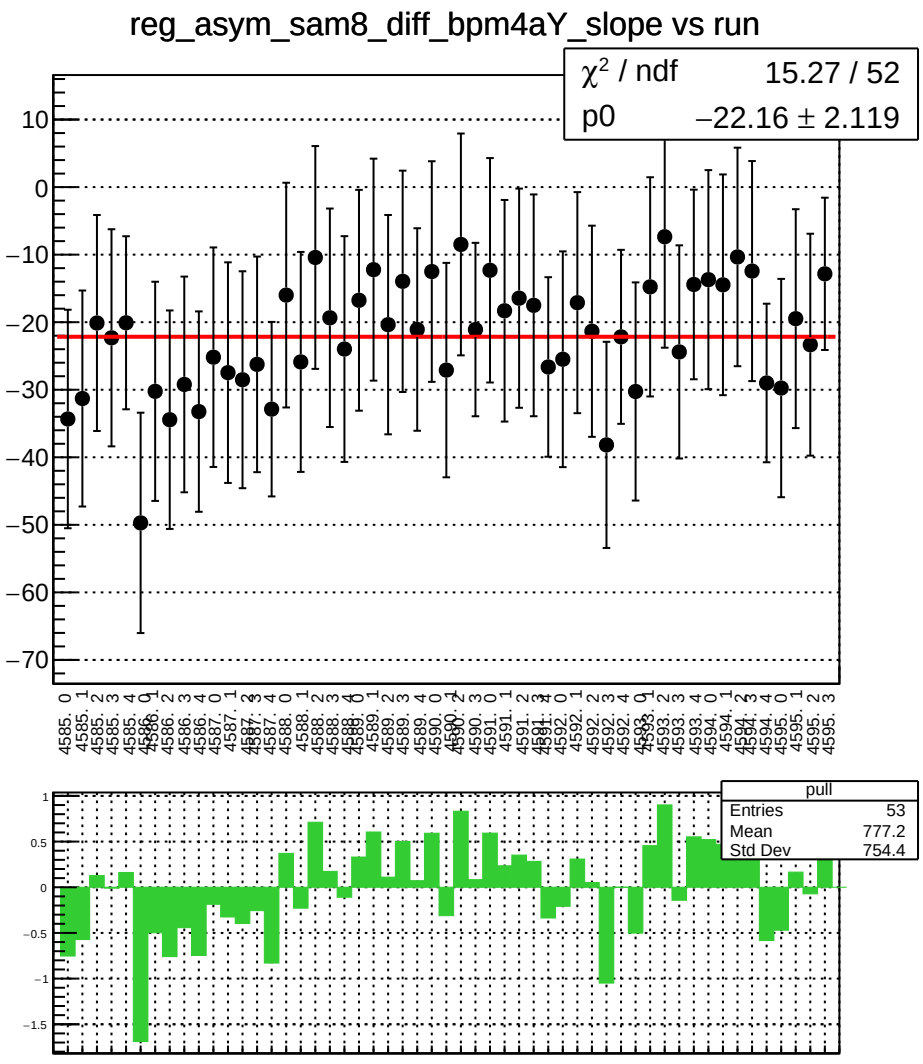

pull1D
Entries 53
Mean −0.004138
Std Dev 0.3111

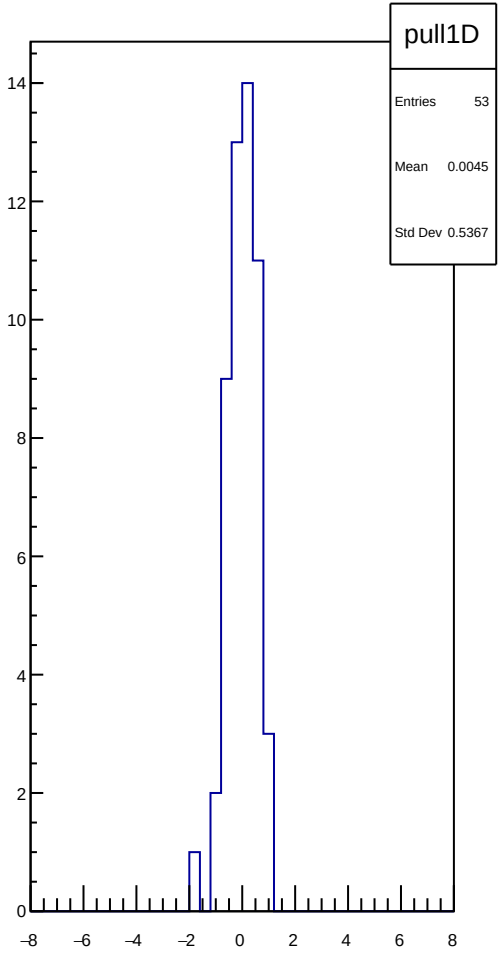

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 2.269 / 52
p0 −3.085 ± 0.4875
pull
Entries 53
Mean −92.18
Std Dev 115.9

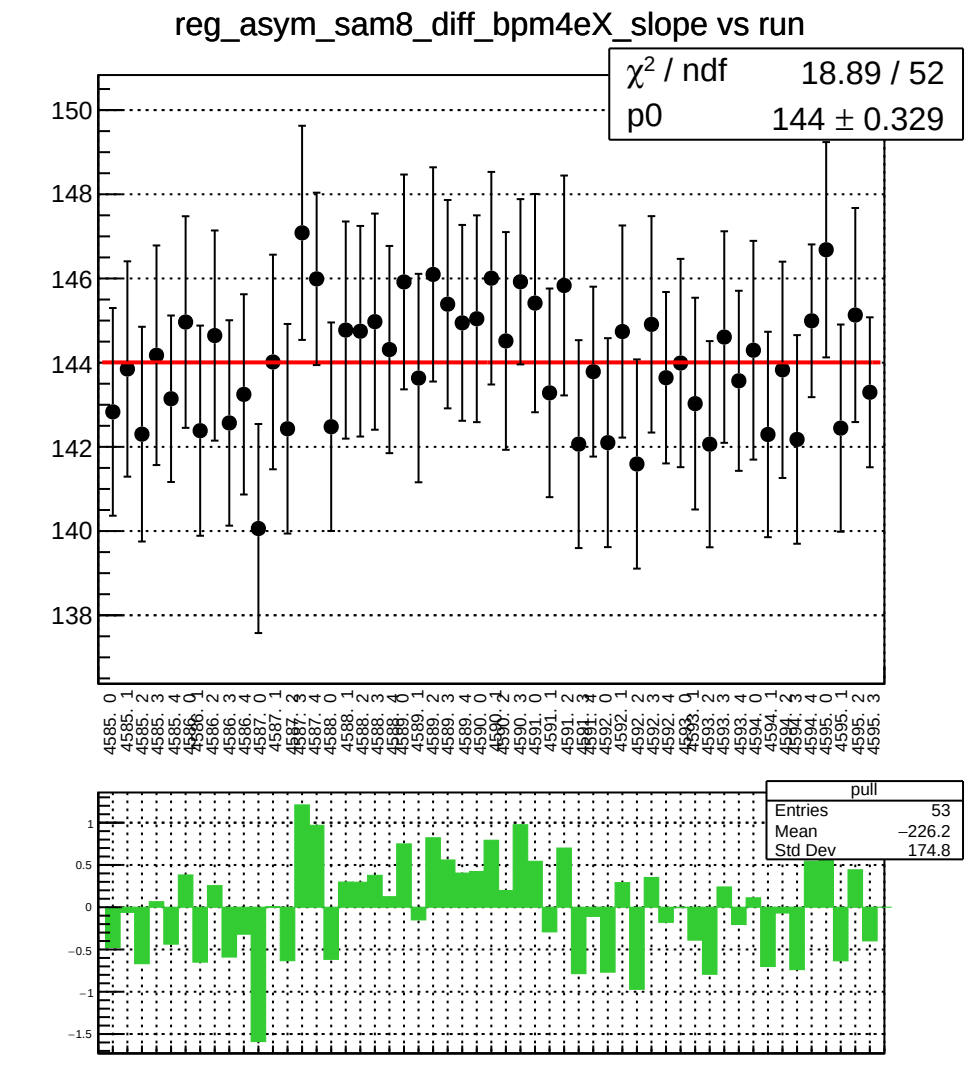

pull1D
Entries 53
Mean −0.004292
Std Dev 0.2069

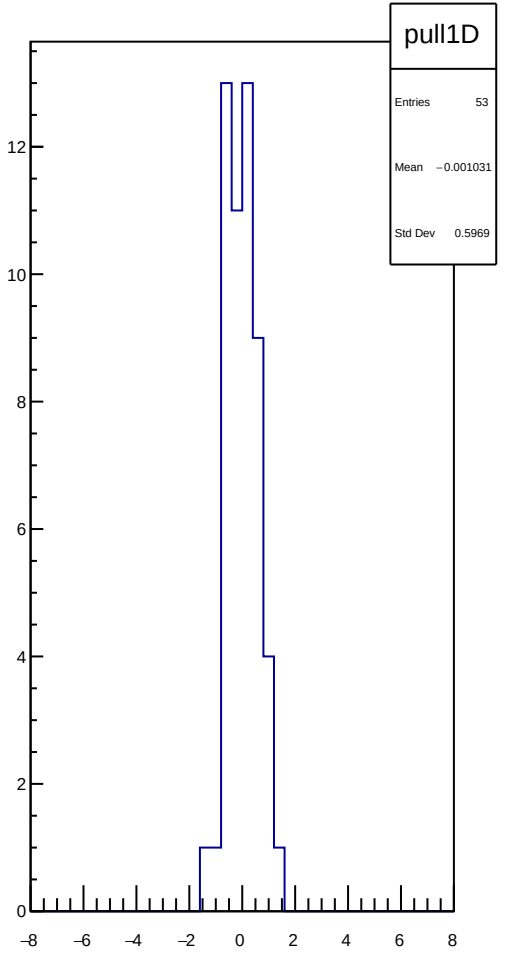

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 10.21 / 52
p0 −17.69 ± 1.635
pull
Entries 53
Mean −241.3
Std Dev 267.2

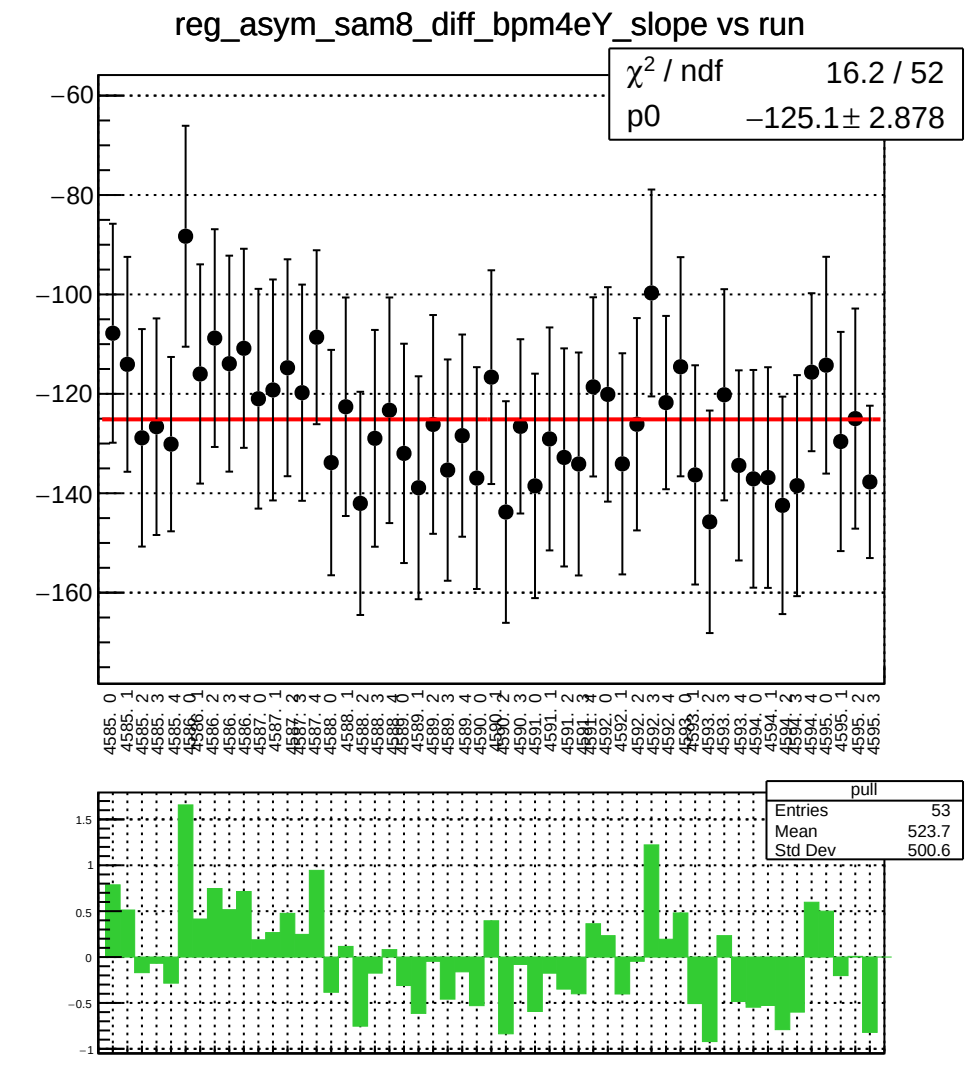

pull1D
Entries 53
Mean −0.007553
Std Dev 0.4389

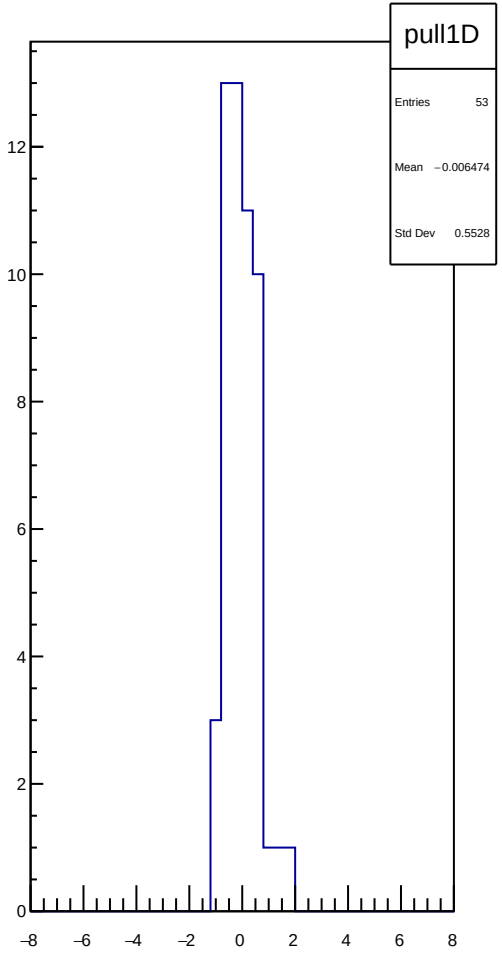

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 15.27 / 52
p0 −22.16 ± 2.119
pull
Entries 53
Mean 777.2
Std Dev 754.4

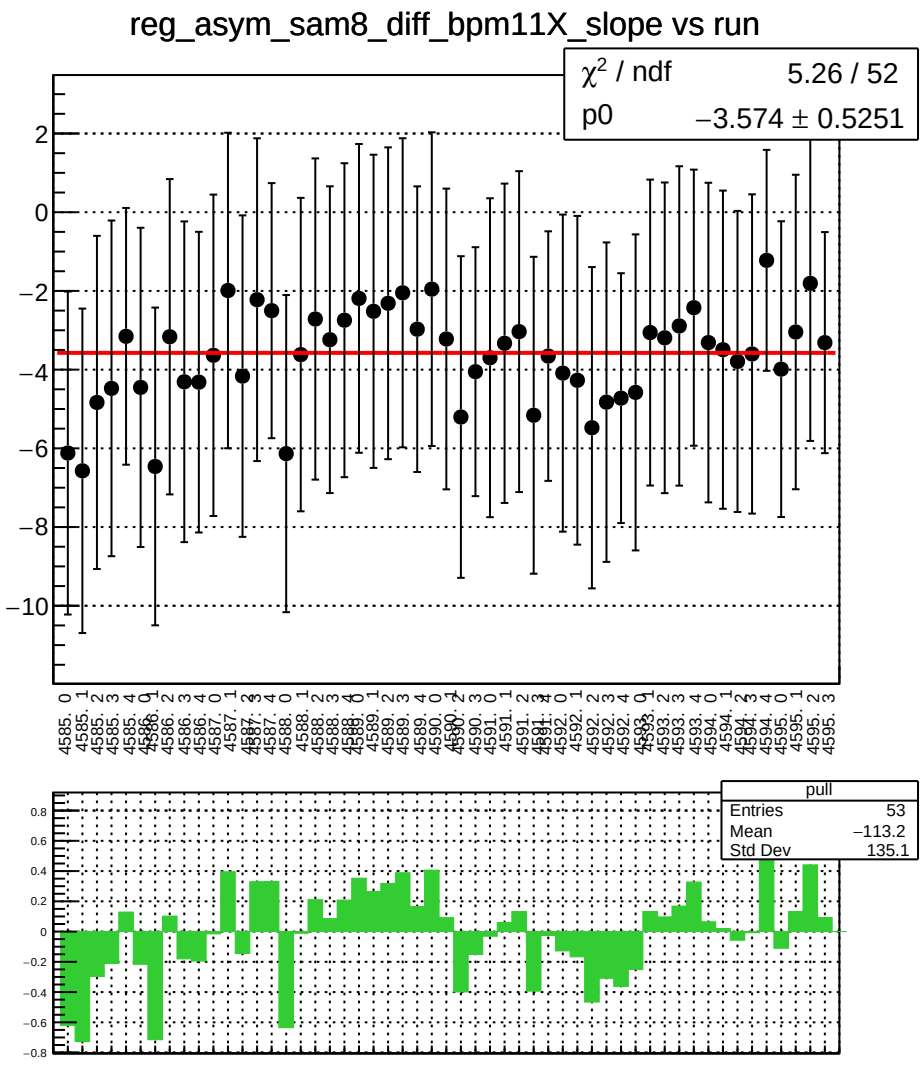

pull1D
Entries 53
Mean 0.0045
Std Dev 0.5367

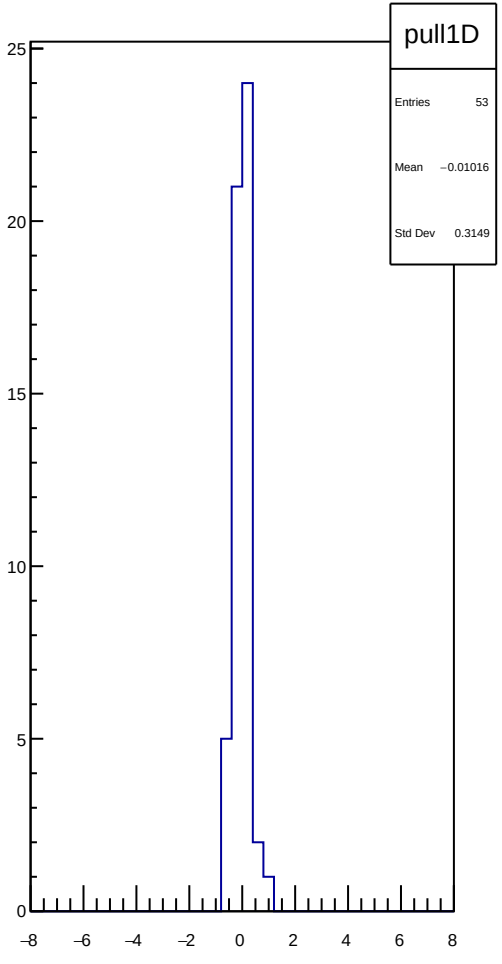

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 18.89 / 52
p0 144 ± 0.329
150
148
146
144
142
140
138
pull
Entries 53
Mean −226.2
Std Dev 174.8
1
0.5
0
−0.5
−1
−1.5

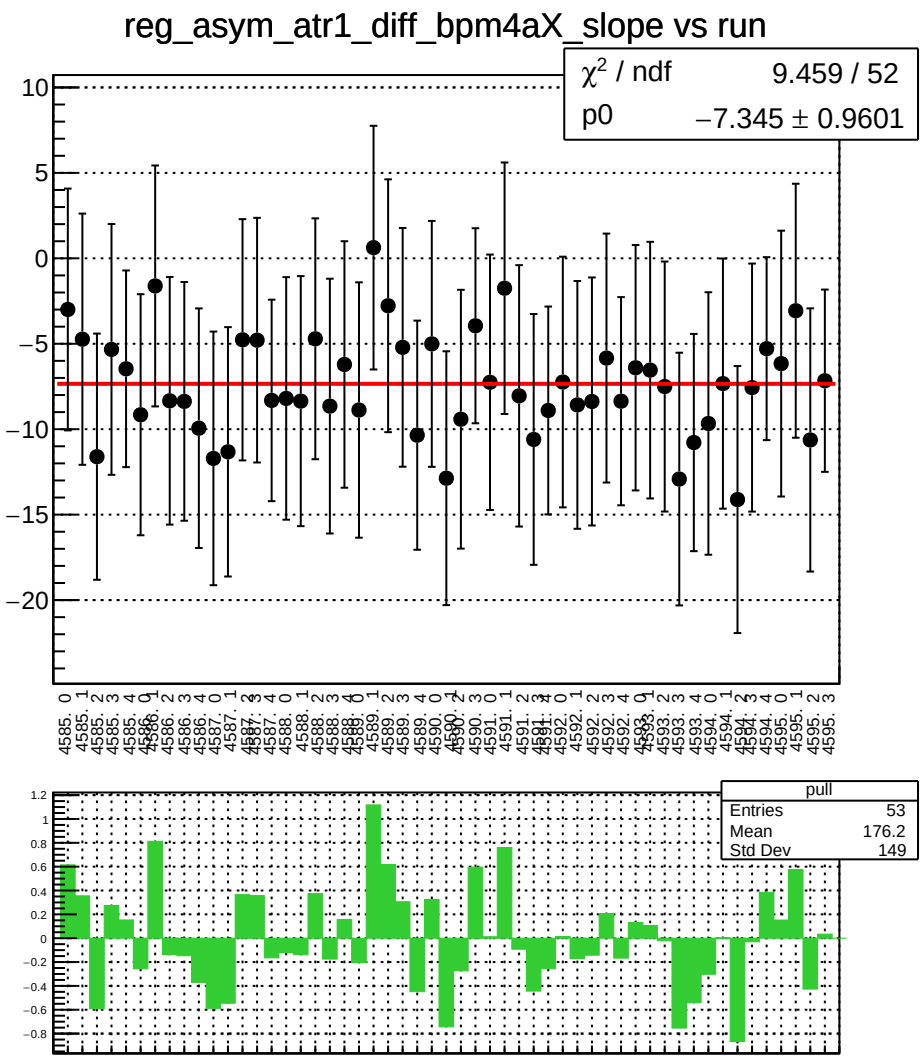

pull1D
Entries 53
Mean −0.001031
Std Dev 0.5969
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

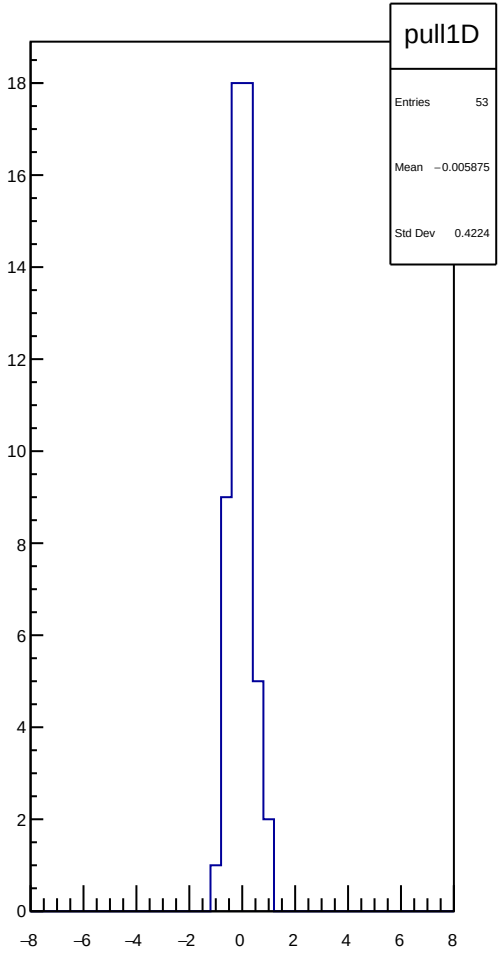

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 16.2 / 52
p0 −125.1± 2.878
pull
Entries 53
Mean 523.7
Std Dev 500.6

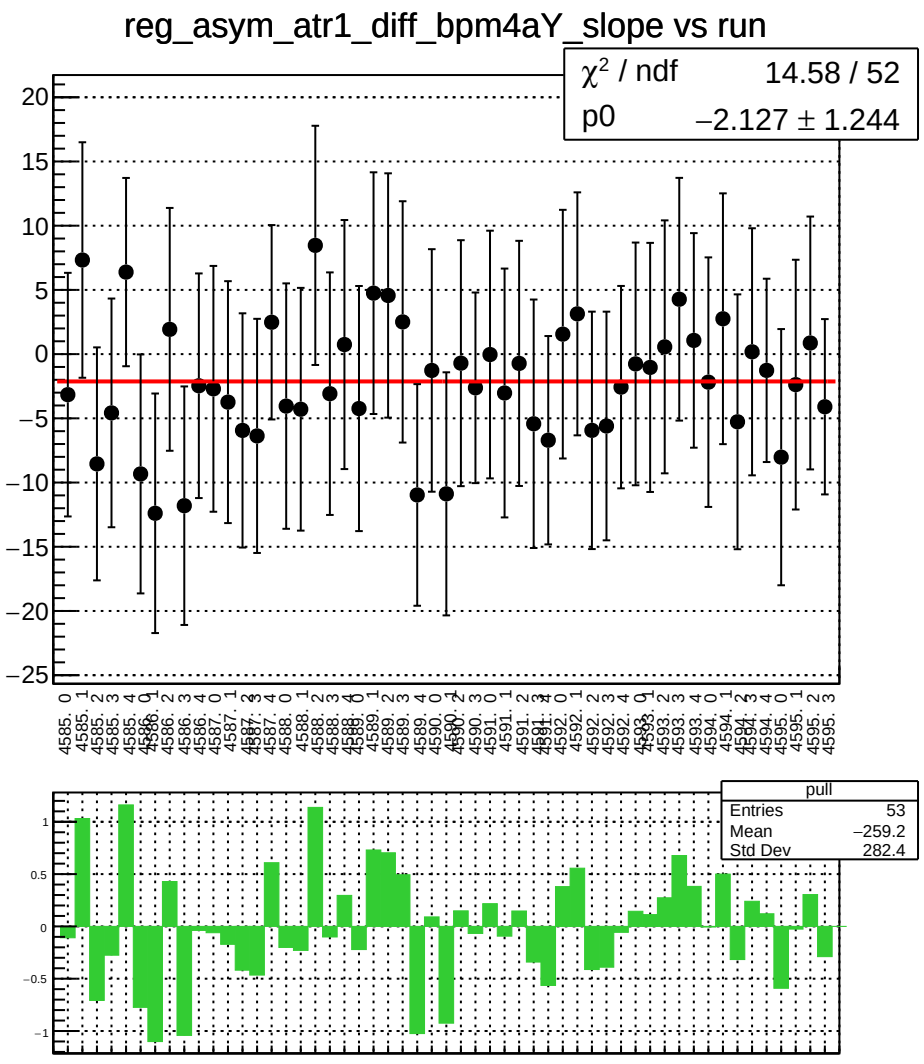

pull1D
Entries 53
Mean −0.006474
Std Dev 0.5528

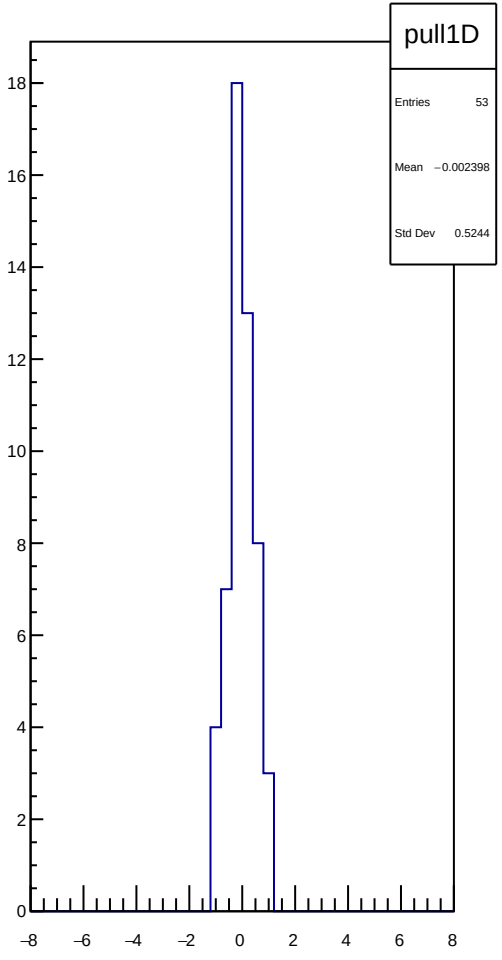

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 5.26 / 52
p0 −3.574 ± 0.5251
pull
Entries 53
Mean −113.2
Std Dev 135.1

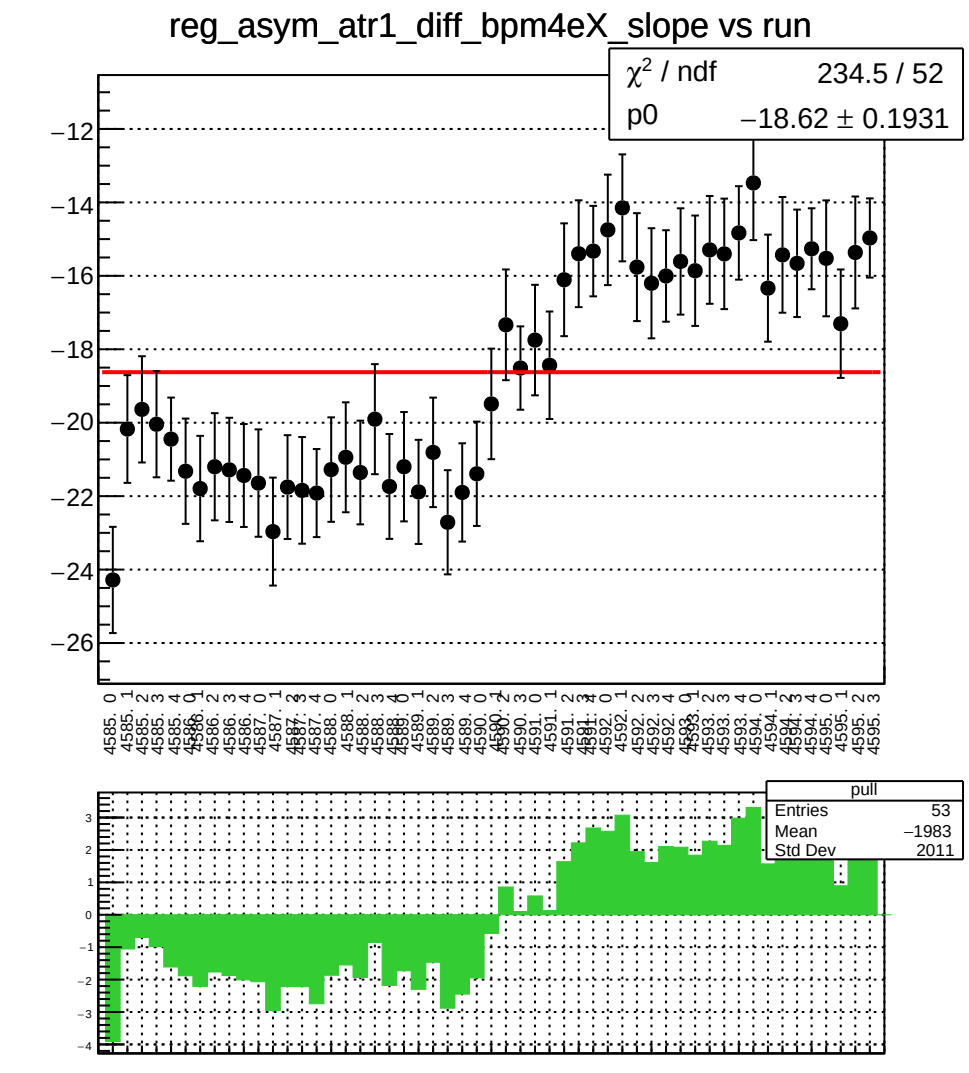

pull1D
Entries 53
Mean −0.01016
Std Dev 0.3149

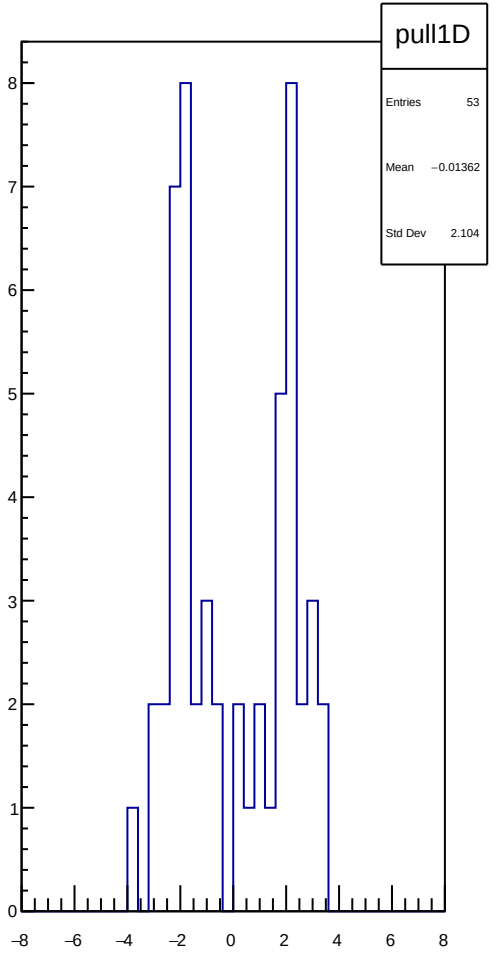

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 9.459 / 52
p0 −7.345 ± 0.9601
pull
Entries 53
Mean 176.2
Std Dev 149

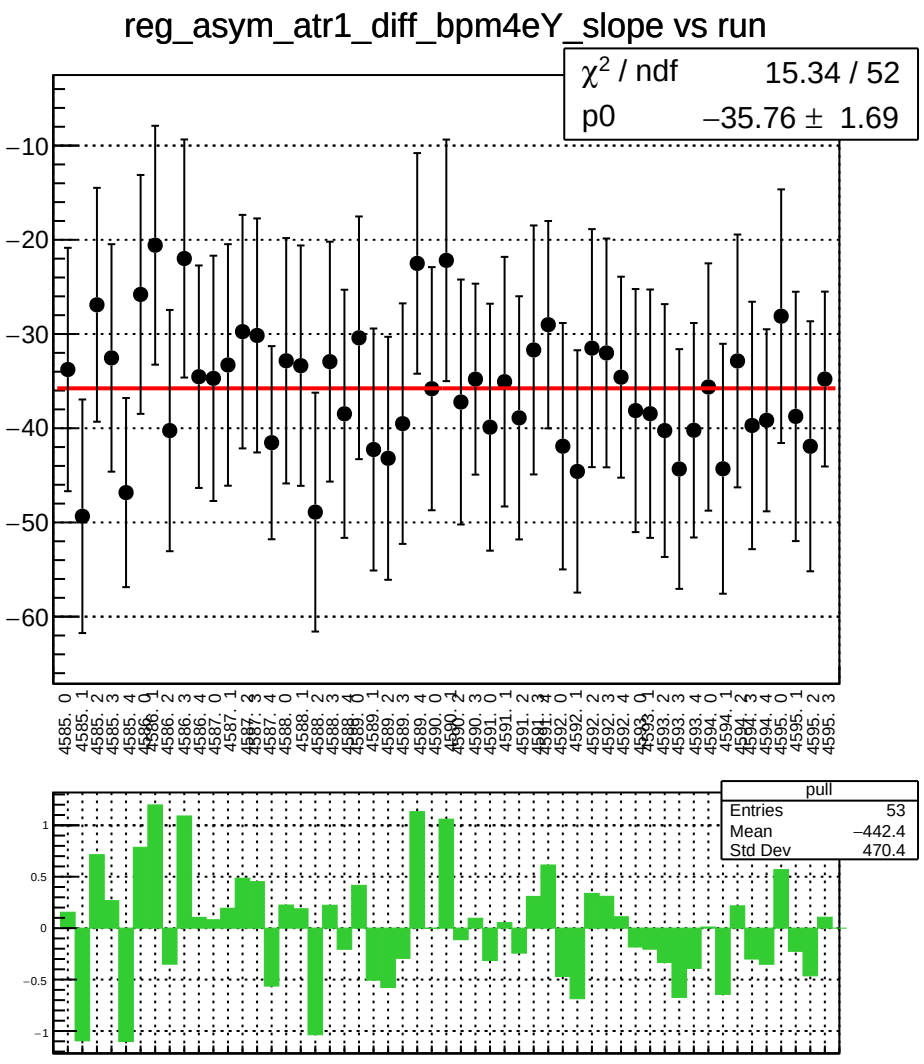

pull1D
Entries 53
Mean −0.005875
Std Dev 0.4224

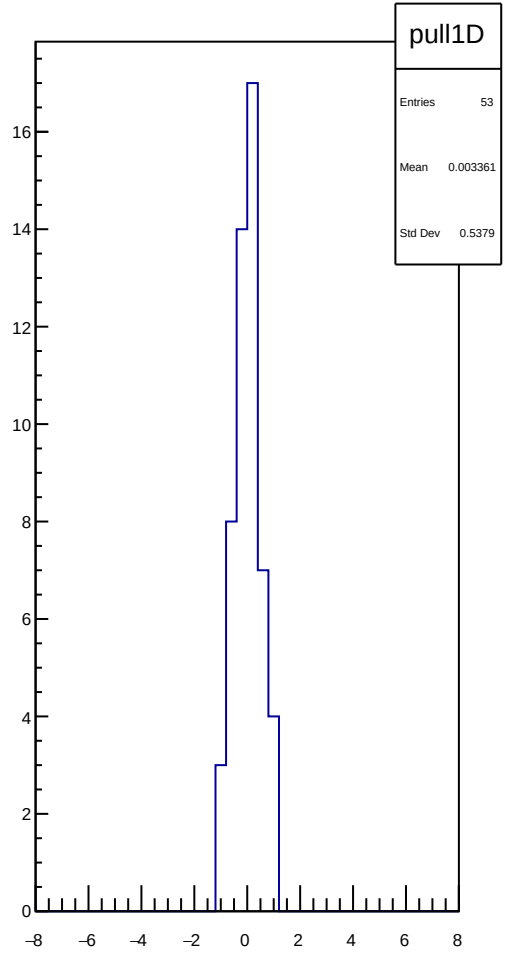

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 14.58 / 52
p0 −2.127 ± 1.244
pull
Entries 53
Mean −259.2
Std Dev 282.4

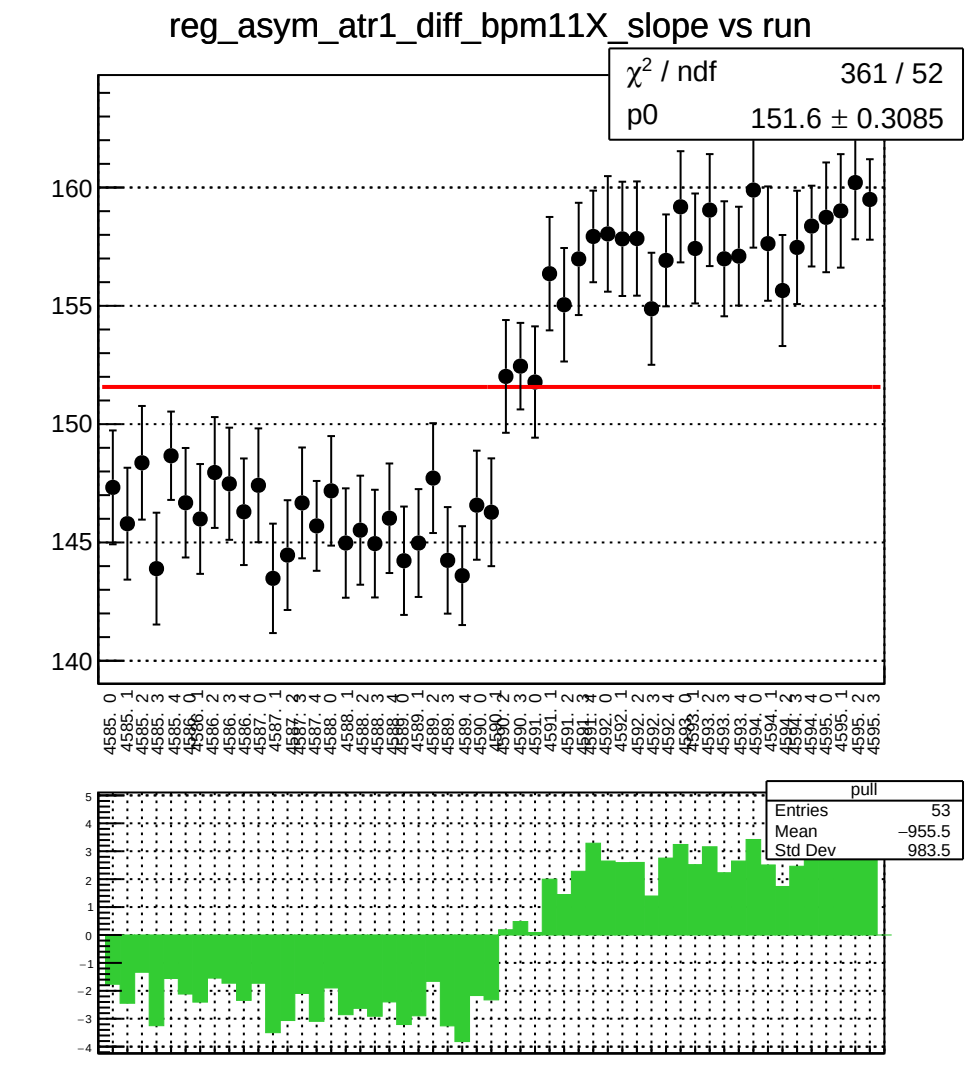

pull1D
Entries 53
Mean −0.002398
Std Dev 0.5244

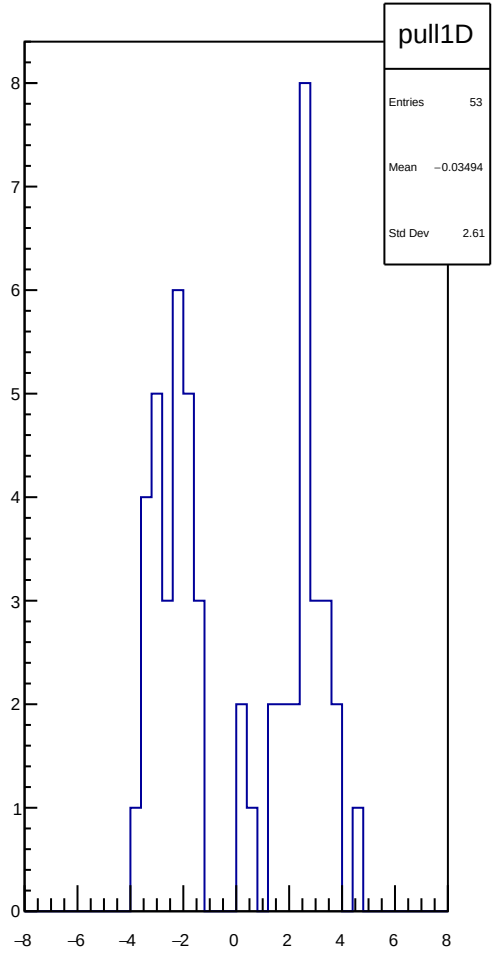

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 234.5 / 52
p0 −18.62 ± 0.1931
pull
Entries 53
Mean −1983
Std Dev 2011

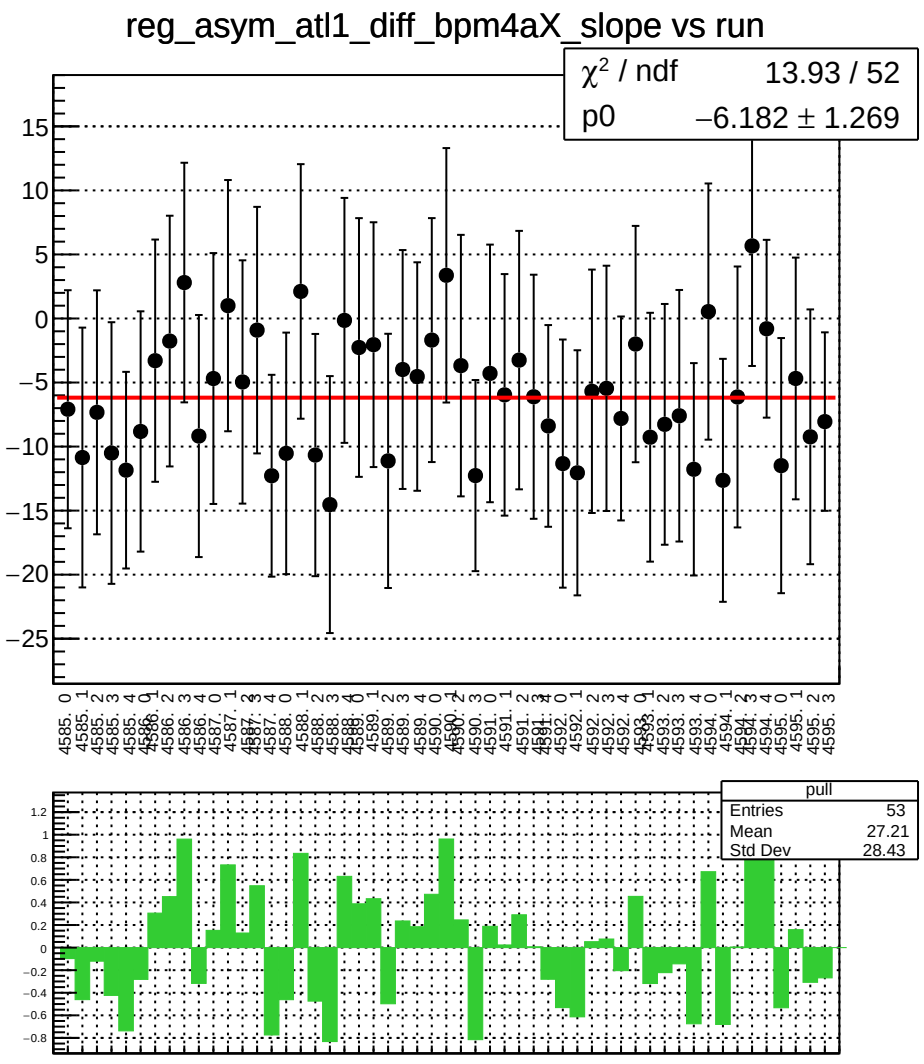

pull1D
Entries 53
Mean −0.01362
Std Dev 2.104

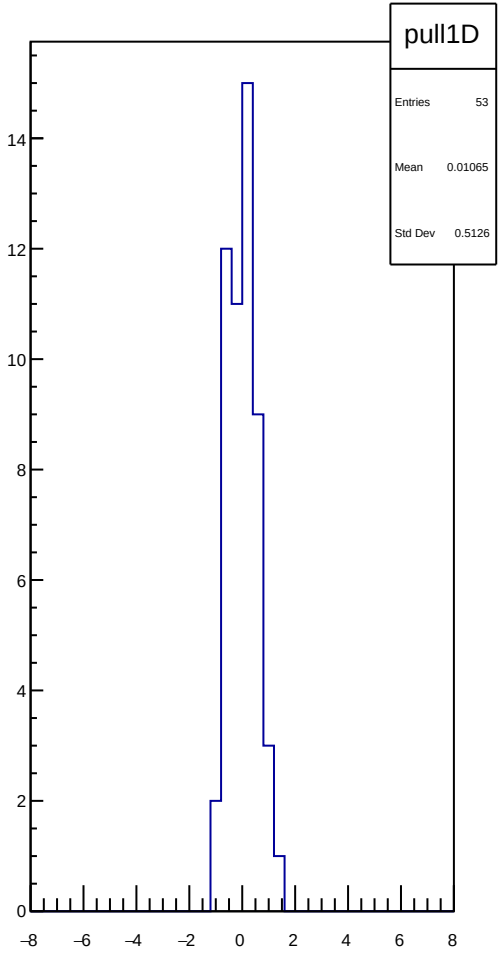

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 15.34 / 52
p0 −35.76 ± 1.69
pull
Entries 53
Mean −442.4
Std Dev 470.4

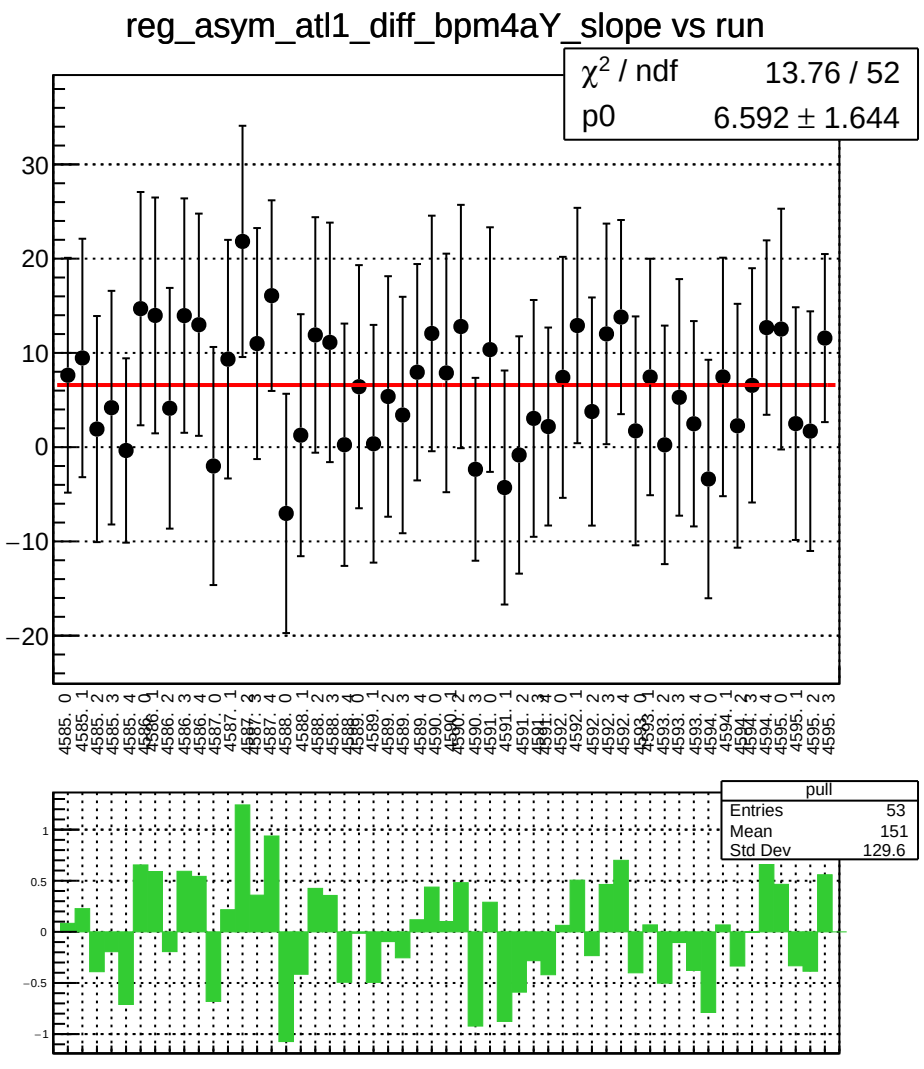

pull1D
Entries 53
Mean 0.003361
Std Dev 0.5379

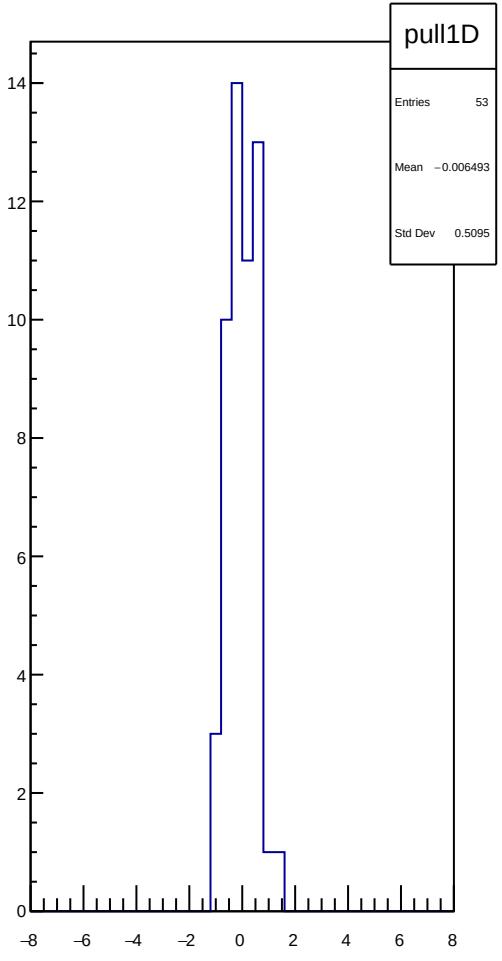

reg_asym_atr1_diff_bpm11X_slope vs run
χ² / ndf 361 / 52
p0 151.6 ± 0.3085
160
155
150
145
140
pull
Entries 53
Mean −955.5
Std Dev 983.5
5
4
3
2
1
0
−1
−2
−3
−4

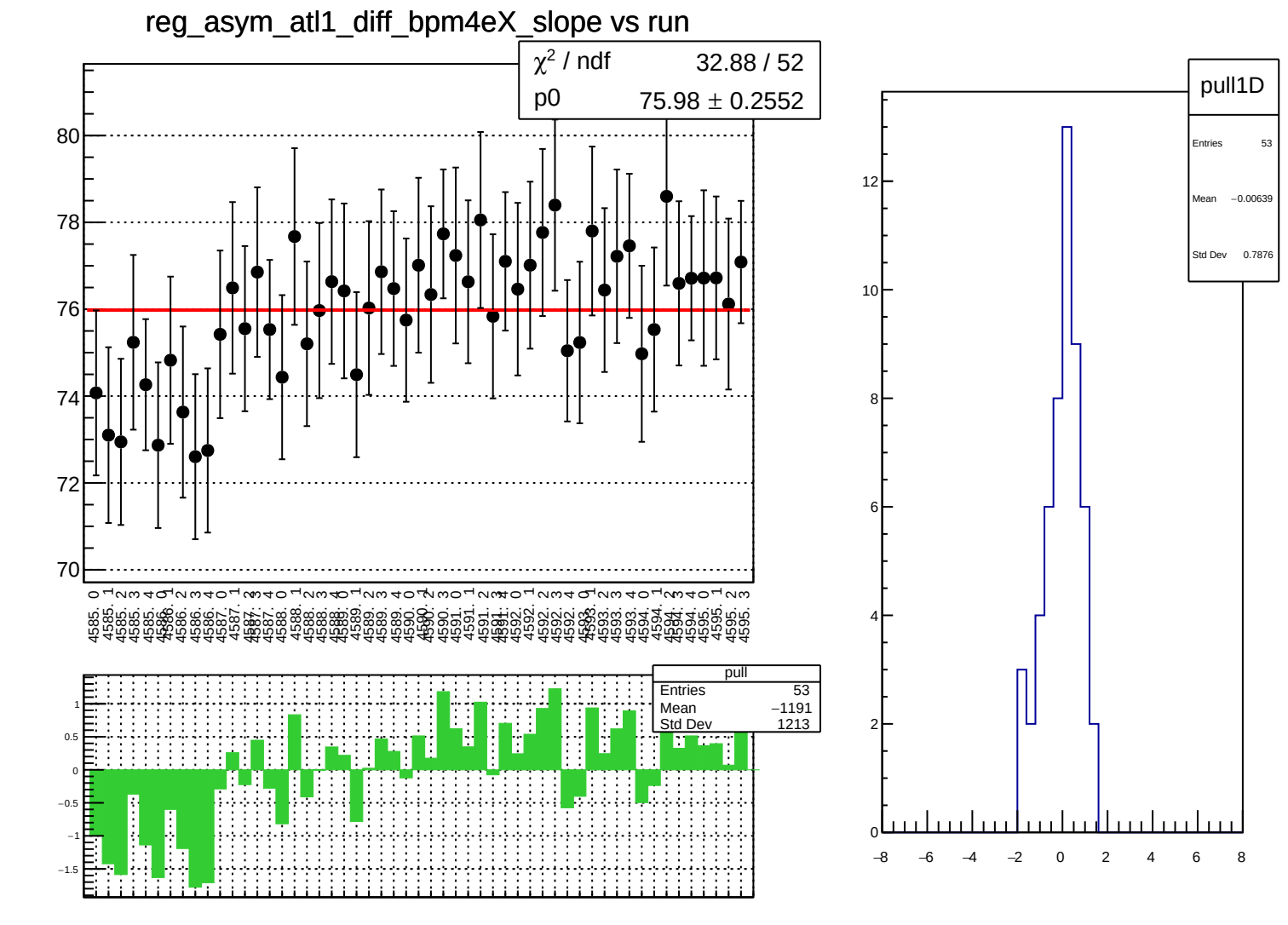

pull1D
Entries 53
Mean −0.03494
Std Dev 2.61
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

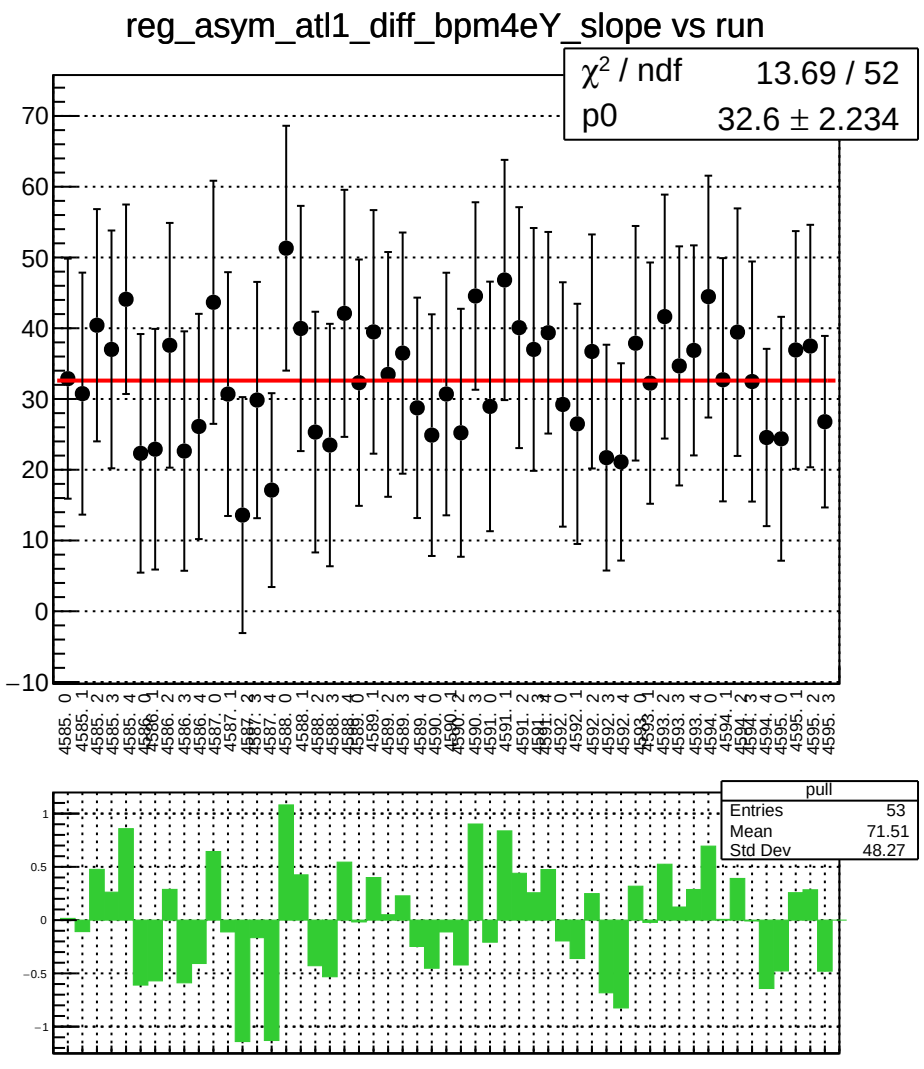

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 13.93 / 52
p0 −6.182 ± 1.269
pull
Entries 53
Mean 27.21
Std Dev 28.43

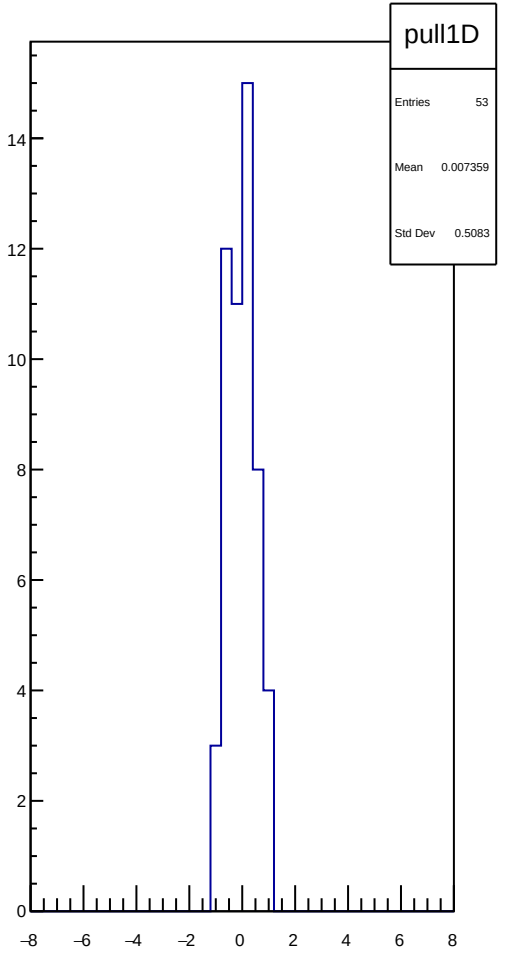

pull1D
Entries 53
Mean 0.01065
Std Dev 0.5126

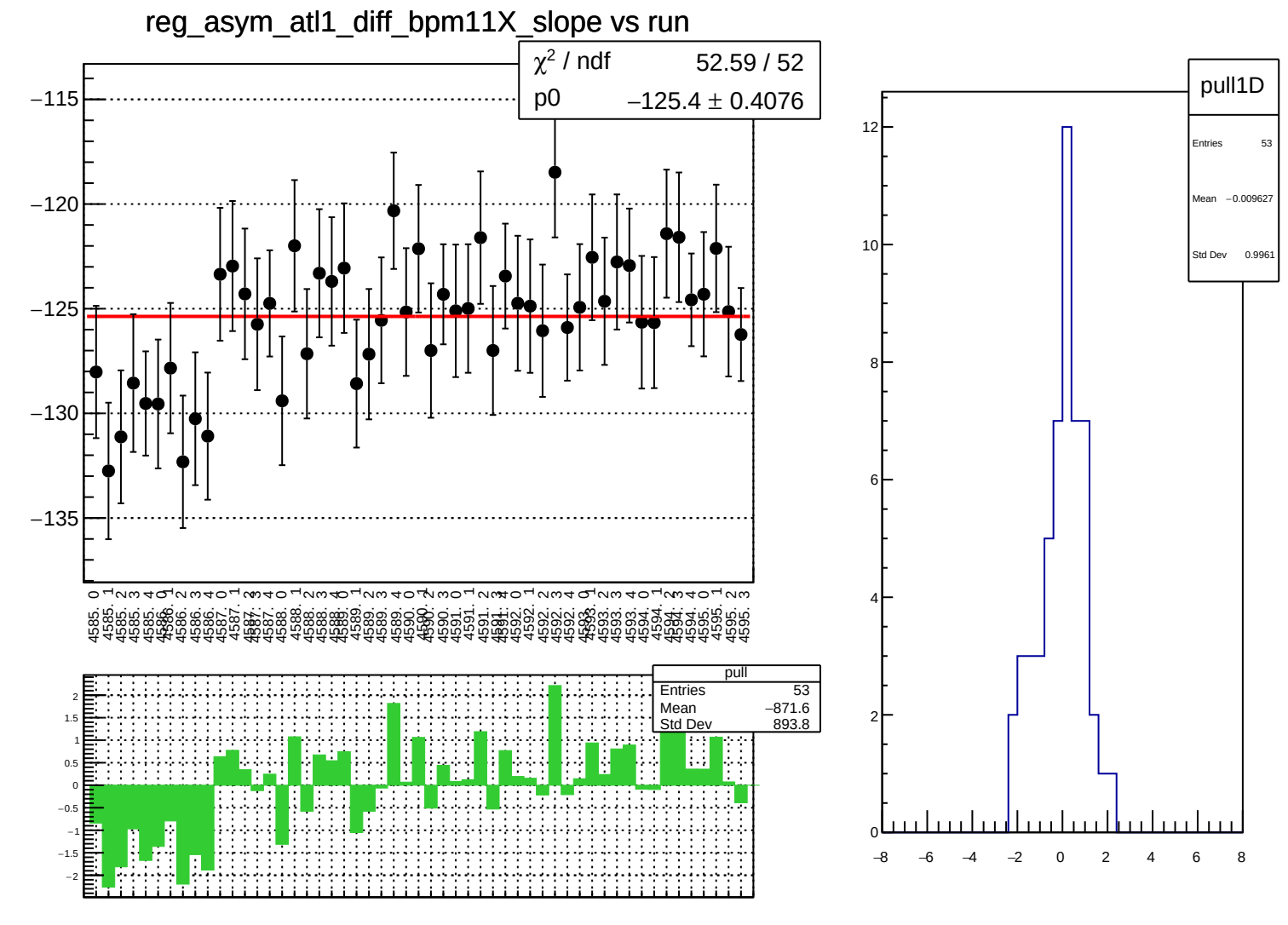

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 13.76 / 52
p0 6.592 ± 1.644
pull
Entries 53
Mean 151
Std Dev 129.6

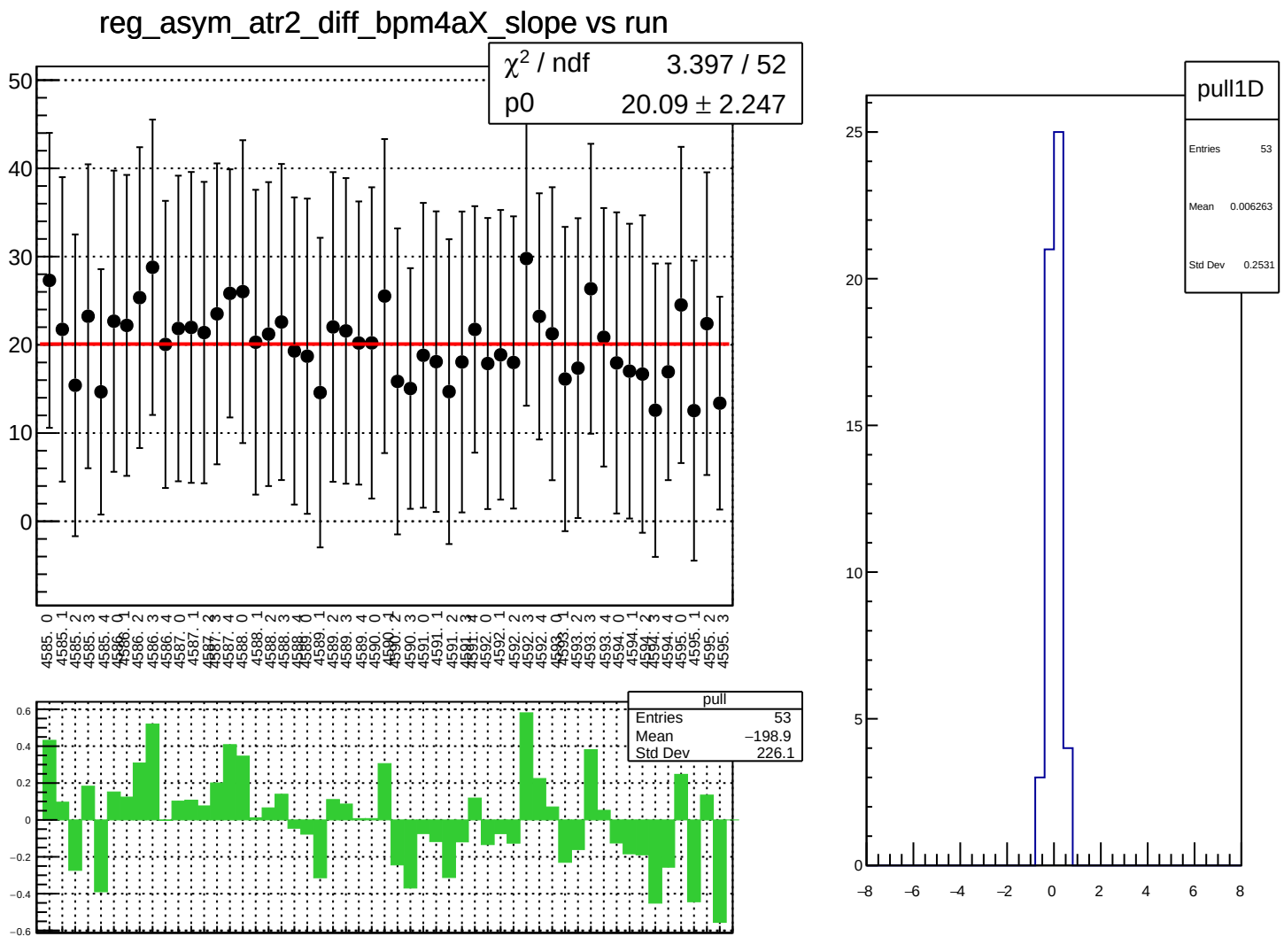

pull1D
Entries 53
Mean −0.006493
Std Dev 0.5095

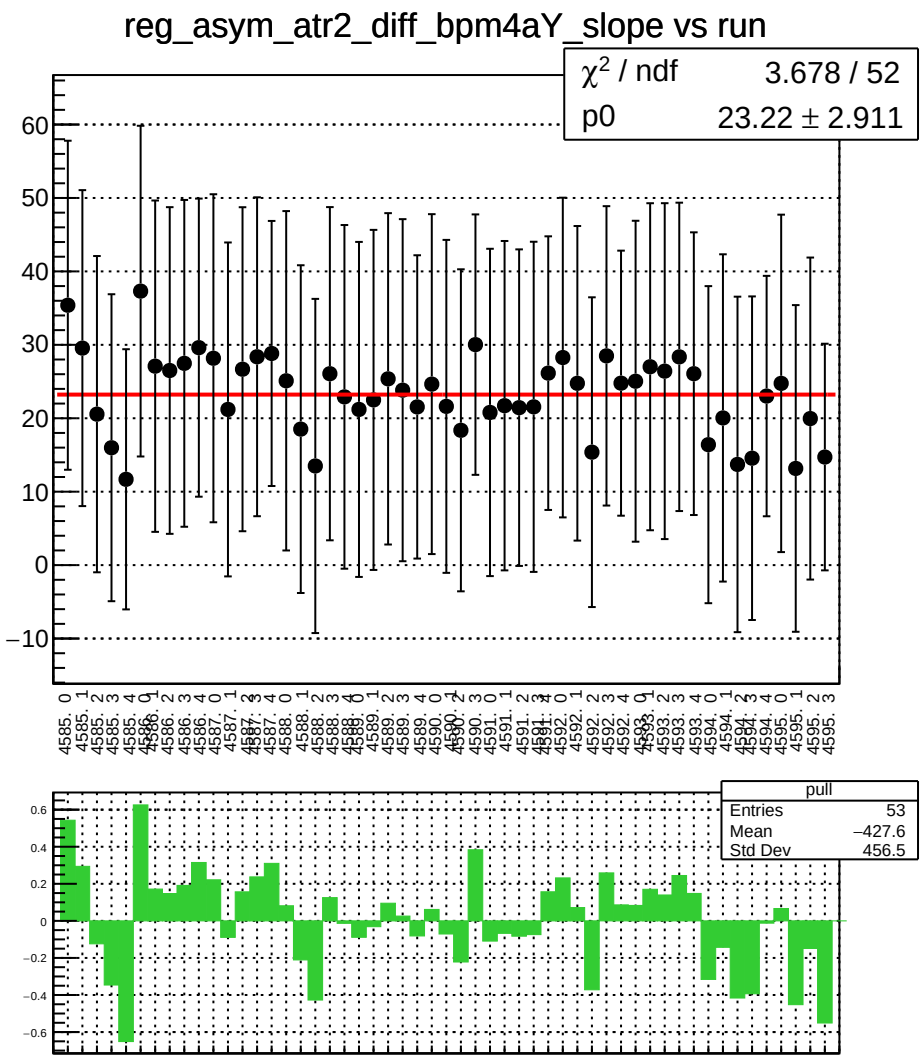

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 32.88 / 52
p0 75.98 ± 0.2552
pull
Entries 53
Mean −1191
Std Dev 1213
pull1D
Entries 53
Mean −0.00639
Std Dev 0.7876

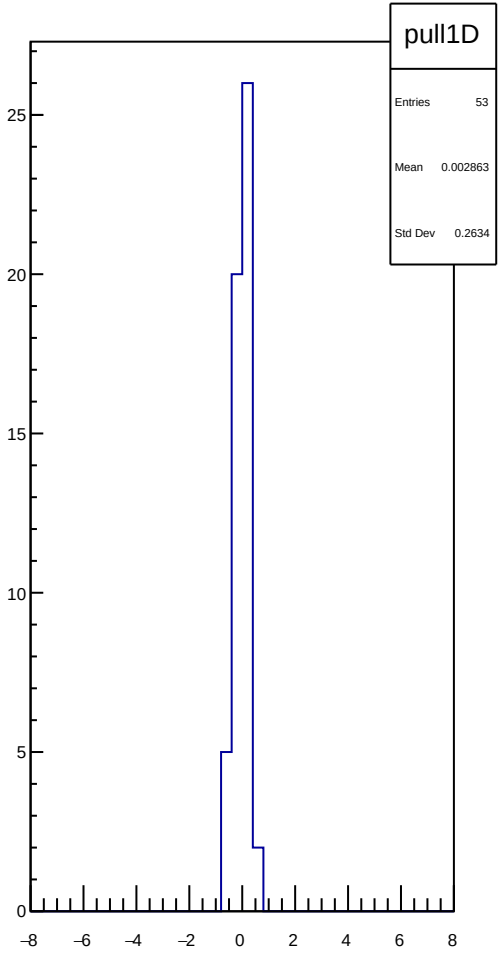

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 13.69 / 52
p0 32.6 ± 2.234
pull
Entries 53
Mean 71.51
Std Dev 48.27

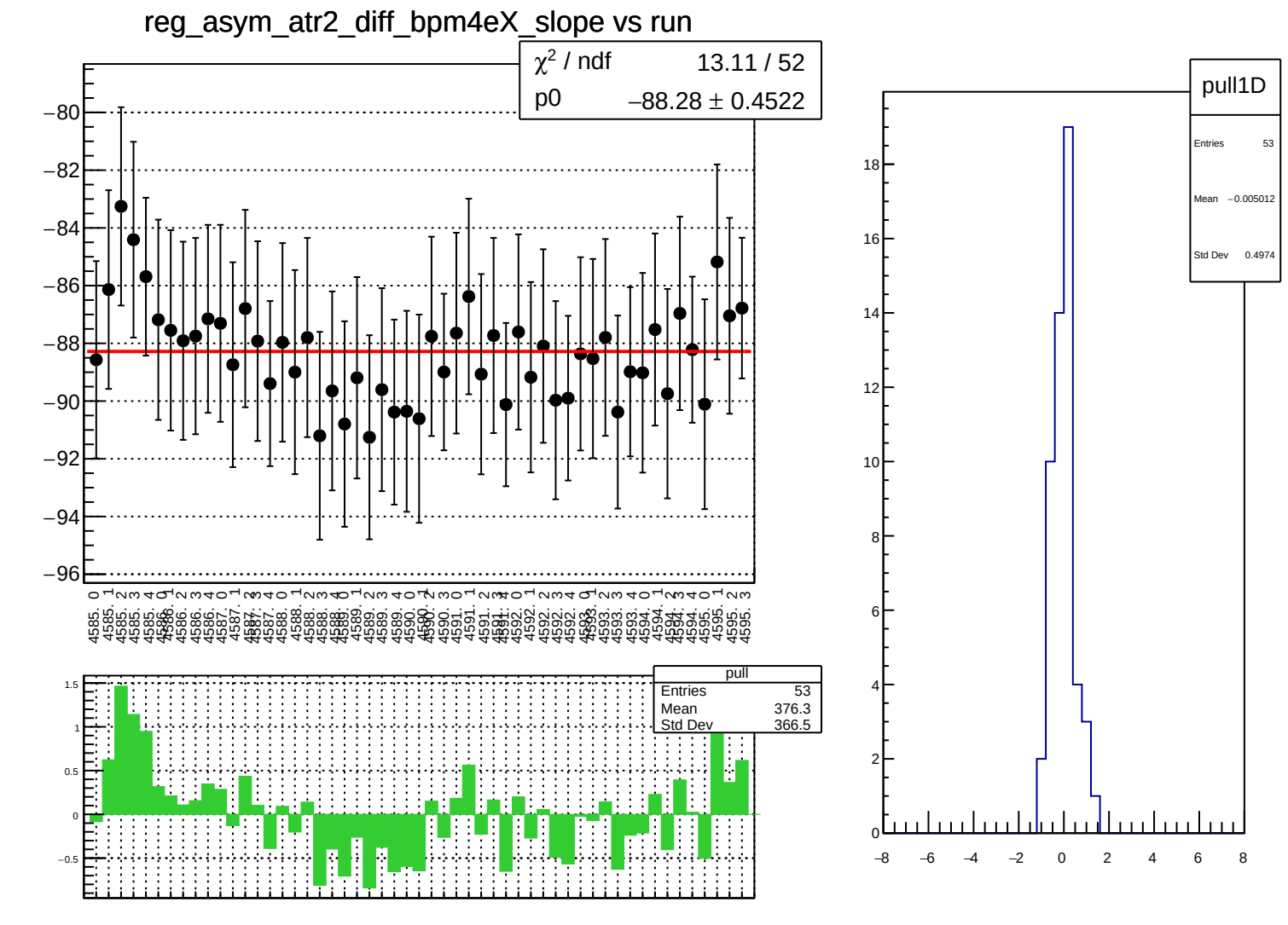

pull1D
Entries 53
Mean 0.007359
Std Dev 0.5083

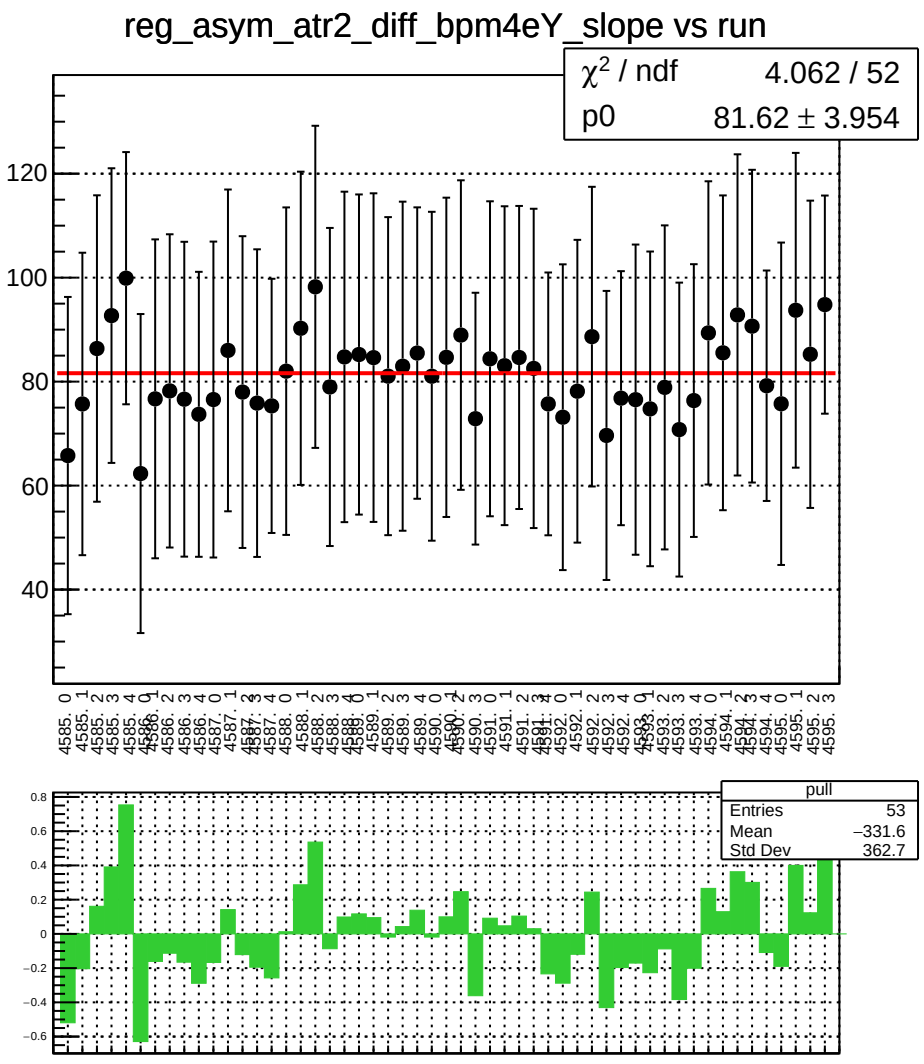

reg_asym_atl1_diff_bpm11X_slope vs run
χ² / ndf 52.59 / 52
p0 −125.4 ± 0.4076
−115
−120
−125
−130
−135
pull
Entries 53
Mean −871.6
Std Dev 893.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean −0.009627
Std Dev 0.9961
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

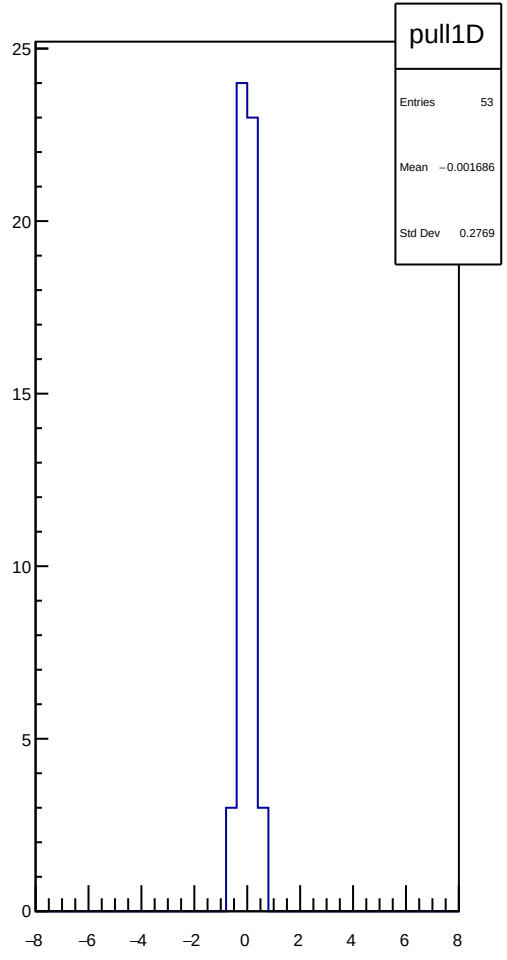

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 3.397 / 52
p0 20.09 ± 2.247
pull
Entries 53
Mean −198.9
Std Dev 226.1
pull1D
Entries 53
Mean 0.006263
Std Dev 0.2531

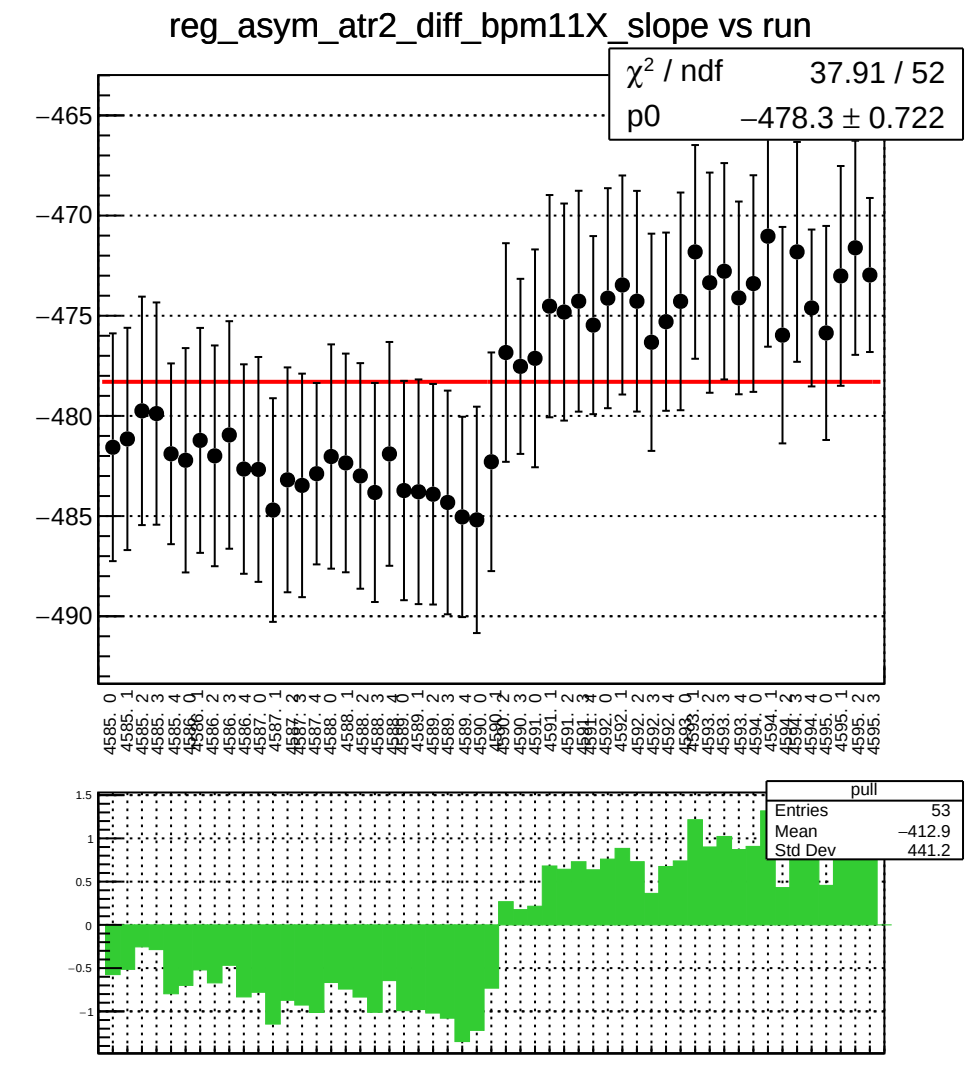

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.678 / 52
p0 23.22 ± 2.911
pull
Entries 53
Mean −427.6
Std Dev 456.5

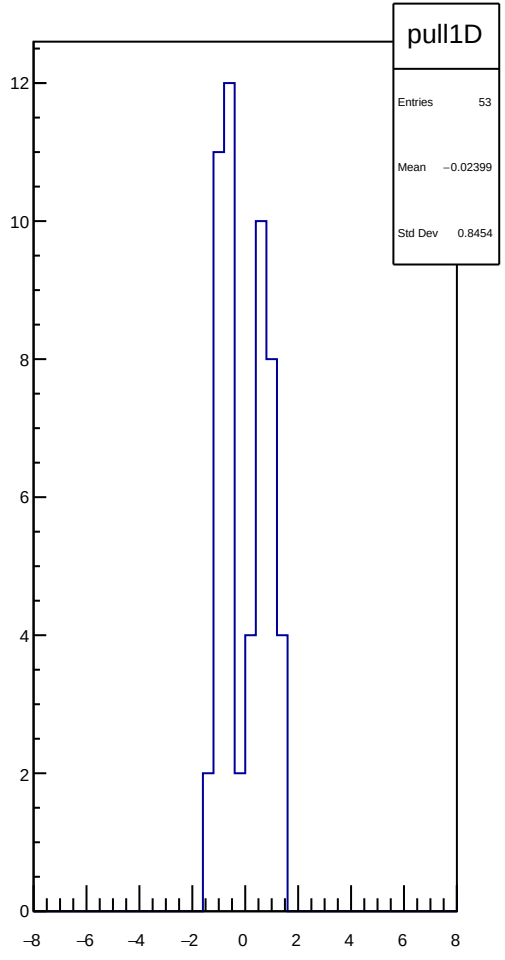

pull1D
Entries 53
Mean 0.002863
Std Dev 0.2634

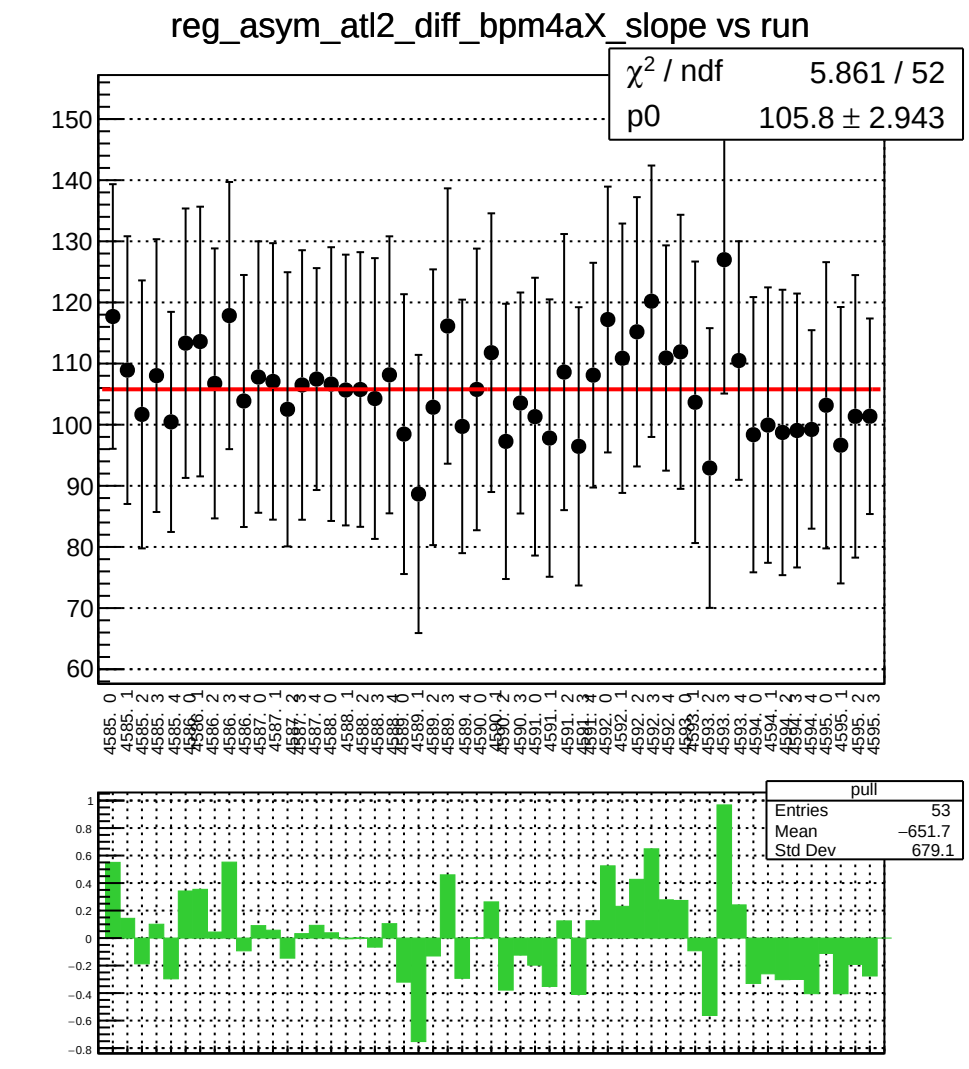

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 13.11 / 52
p0 −88.28 ± 0.4522
pull
Entries 53
Mean 376.3
Std Dev 366.5
pull1D
Entries 53
Mean −0.005012
Std Dev 0.4974

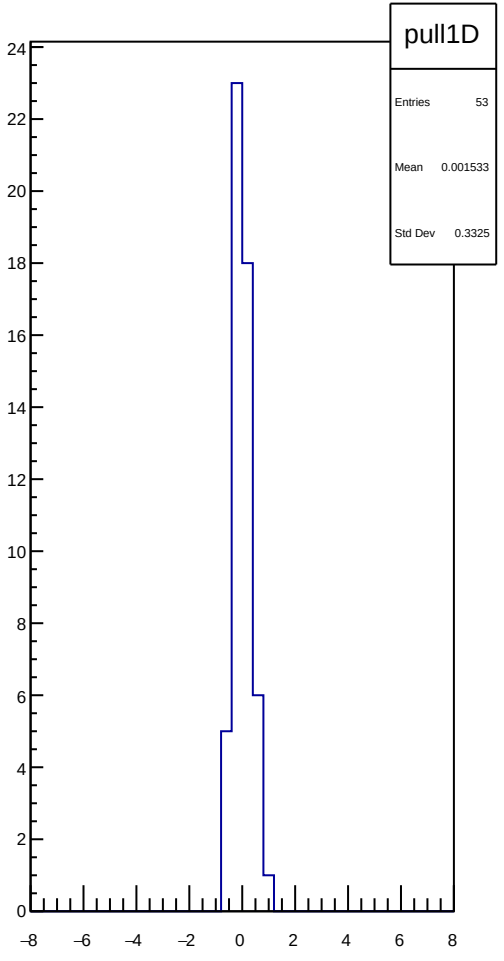

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.062 / 52
p0 81.62 ± 3.954
pull
Entries 53
Mean −331.6
Std Dev 362.7

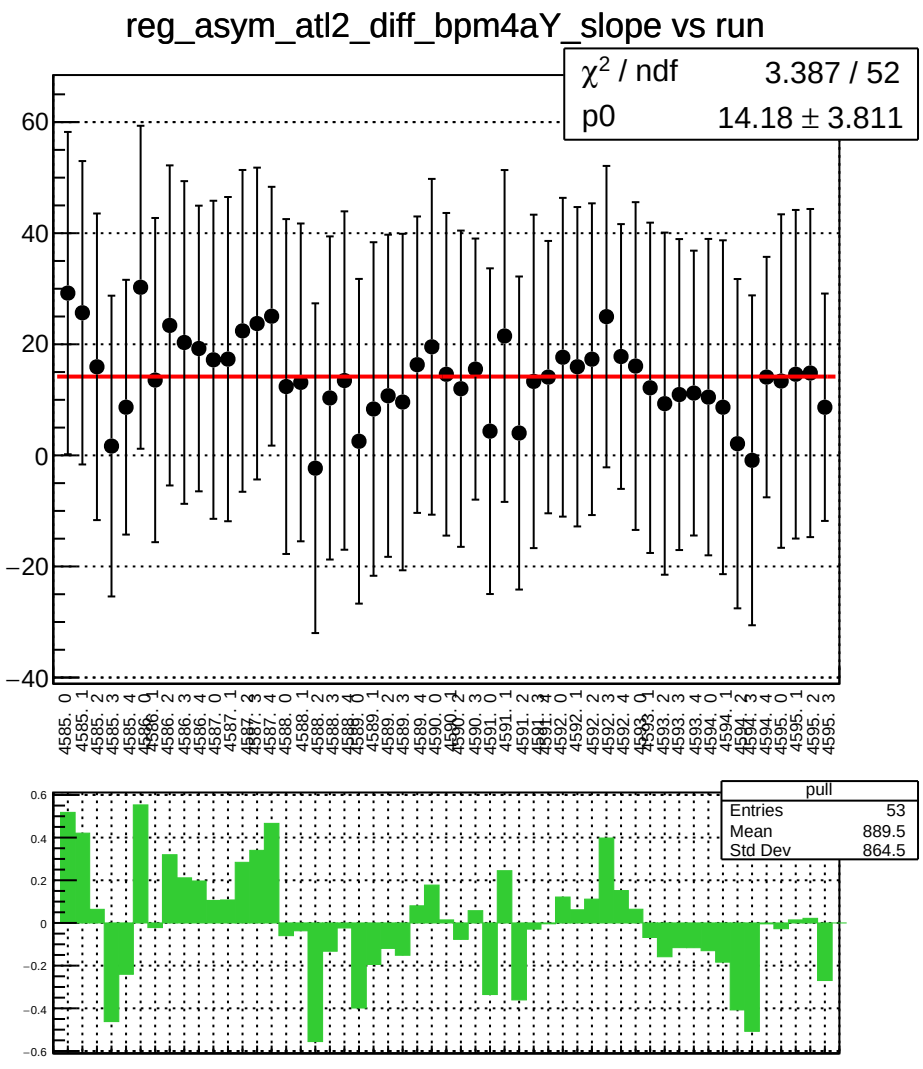

pull1D
Entries 53
Mean −0.001686
Std Dev 0.2769

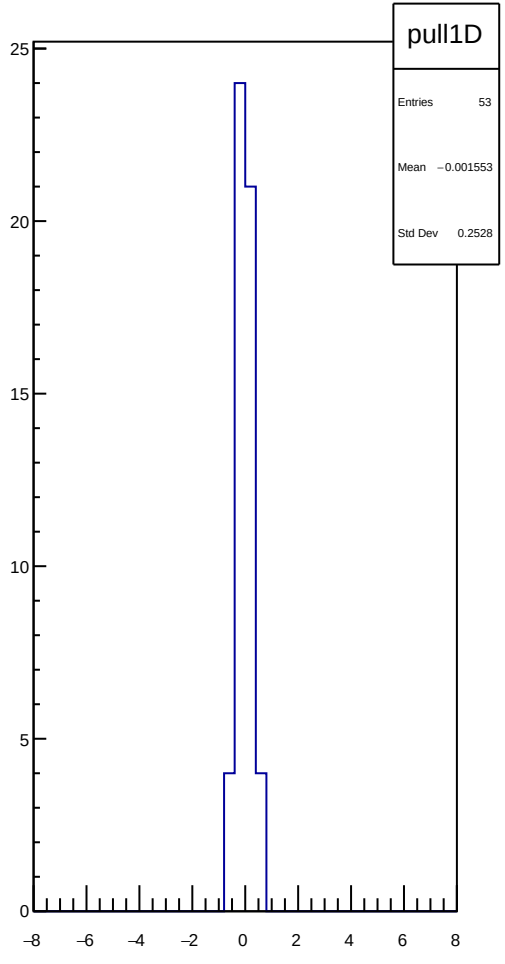

reg_asym_atr2_diff_bpm11X_slope vs run
χ² / ndf 37.91 / 52
p0 −478.3 ± 0.722
−465
−470
−475
−480
−485
−490
pull
Entries 53
Mean −412.9
Std Dev 441.2
1.5
1
0.5
0
−0.5
−1

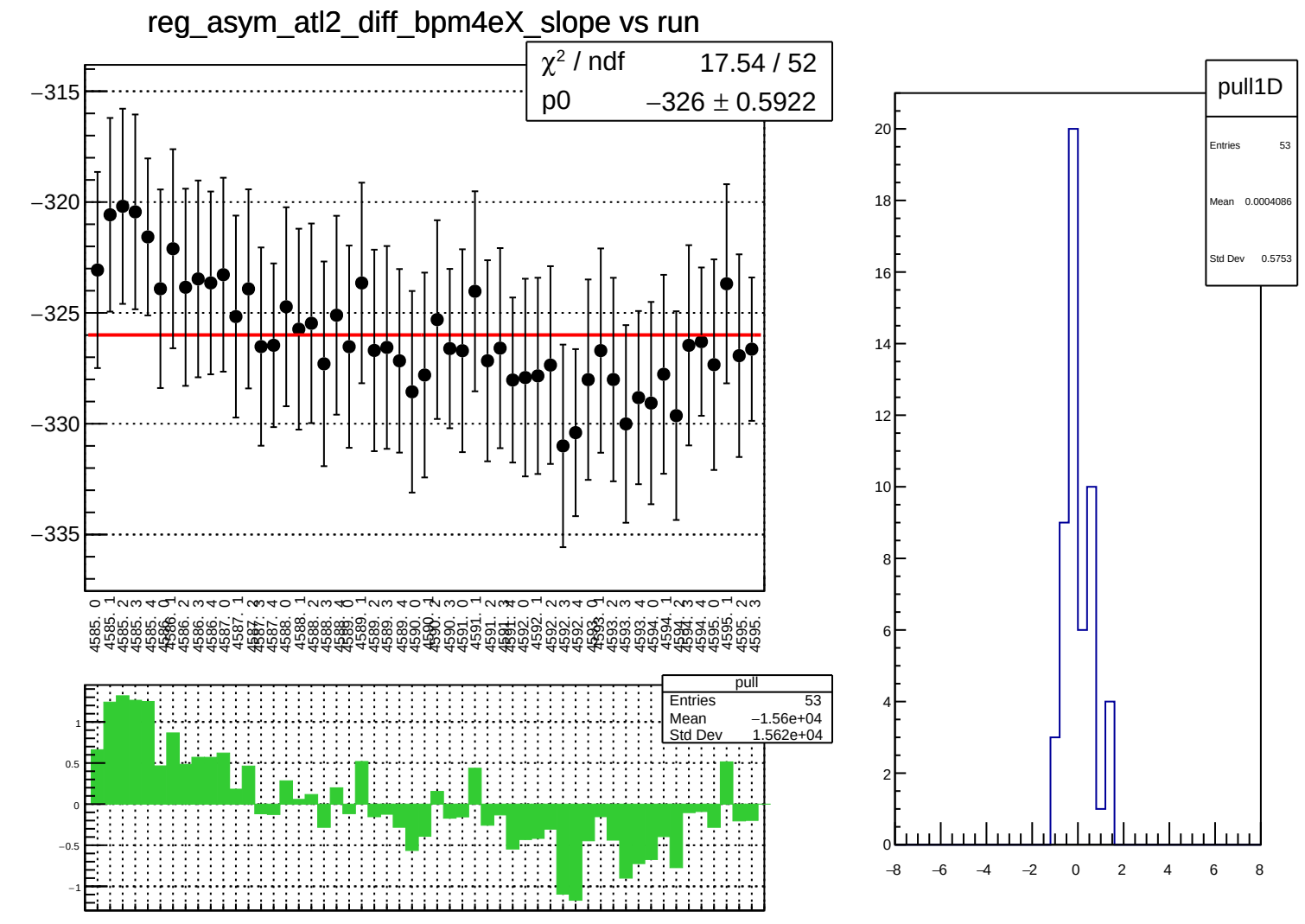

pull1D
Entries 53
Mean −0.02399
Std Dev 0.8454
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

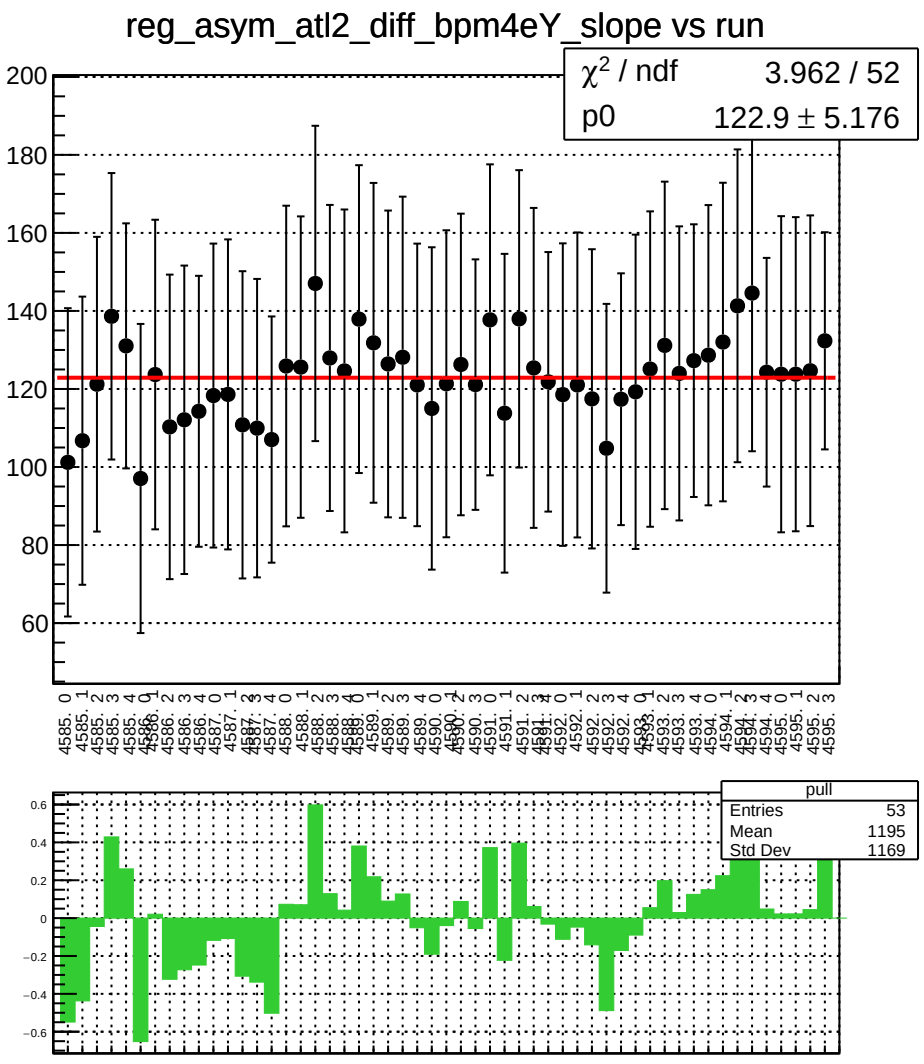

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 5.861 / 52
p0 105.8 ± 2.943
pull
Entries 53
Mean −651.7
Std Dev 679.1

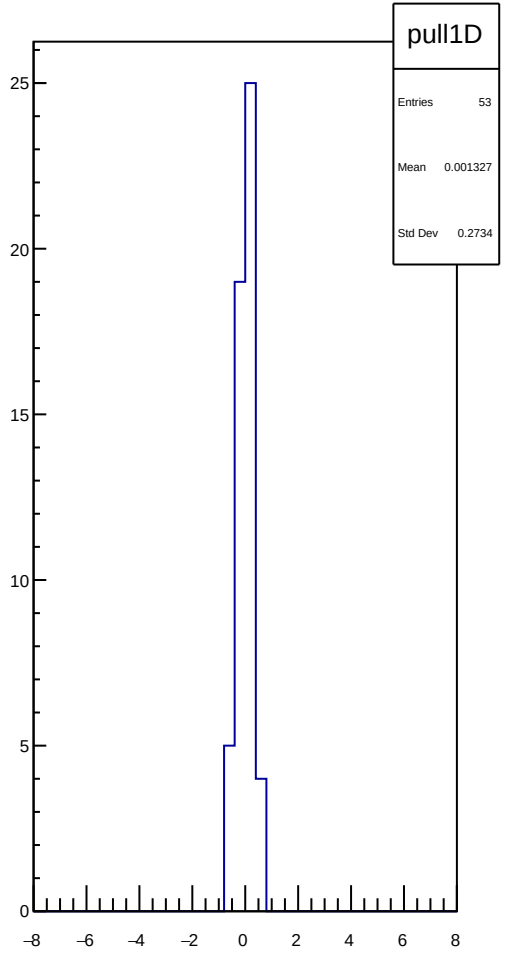

pull1D
Entries 53
Mean 0.001533
Std Dev 0.3325

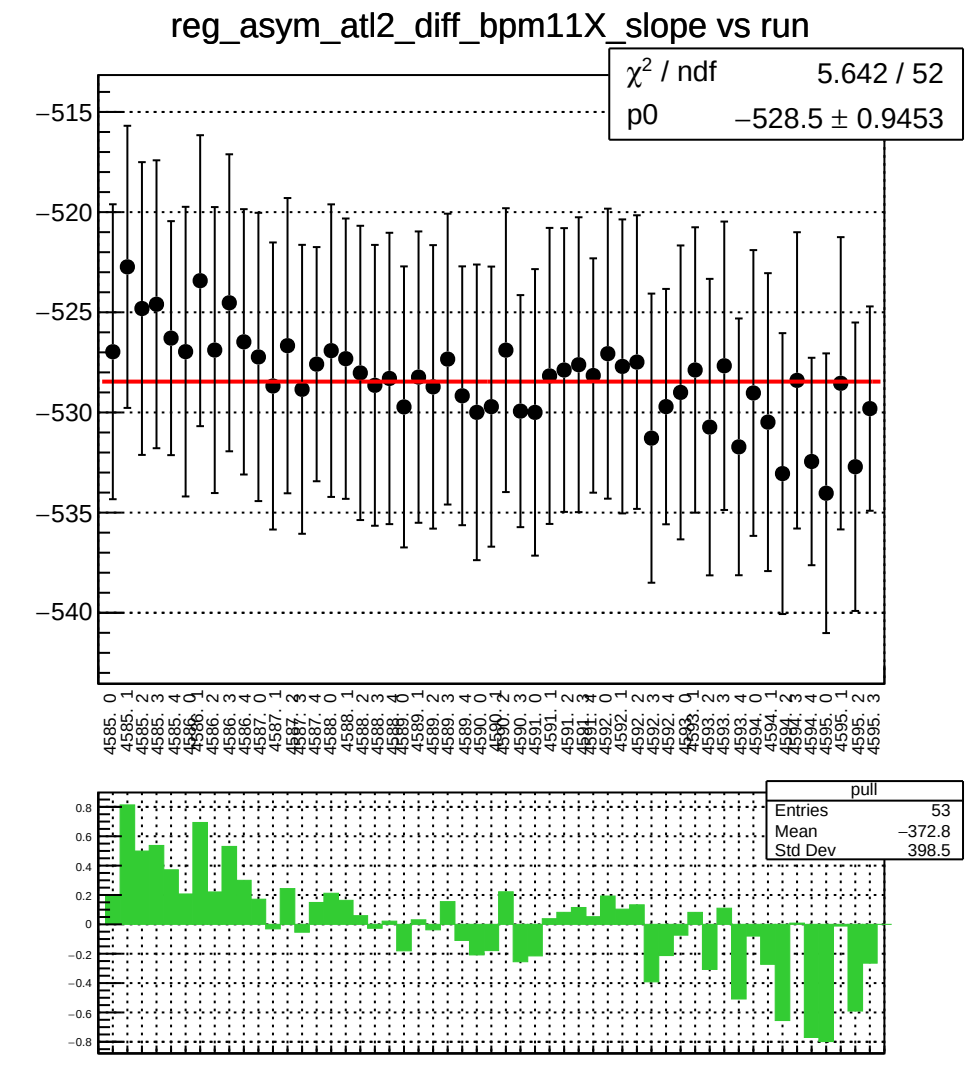

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 3.387 / 52
p0 14.18 ± 3.811
pull
Entries 53
Mean 889.5
Std Dev 864.5

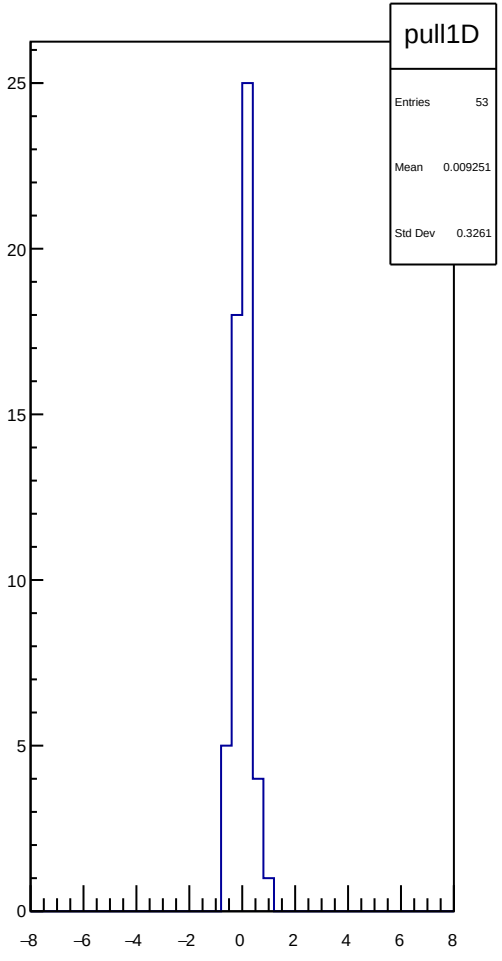

pull1D
Entries 53
Mean −0.001553
Std Dev 0.2528

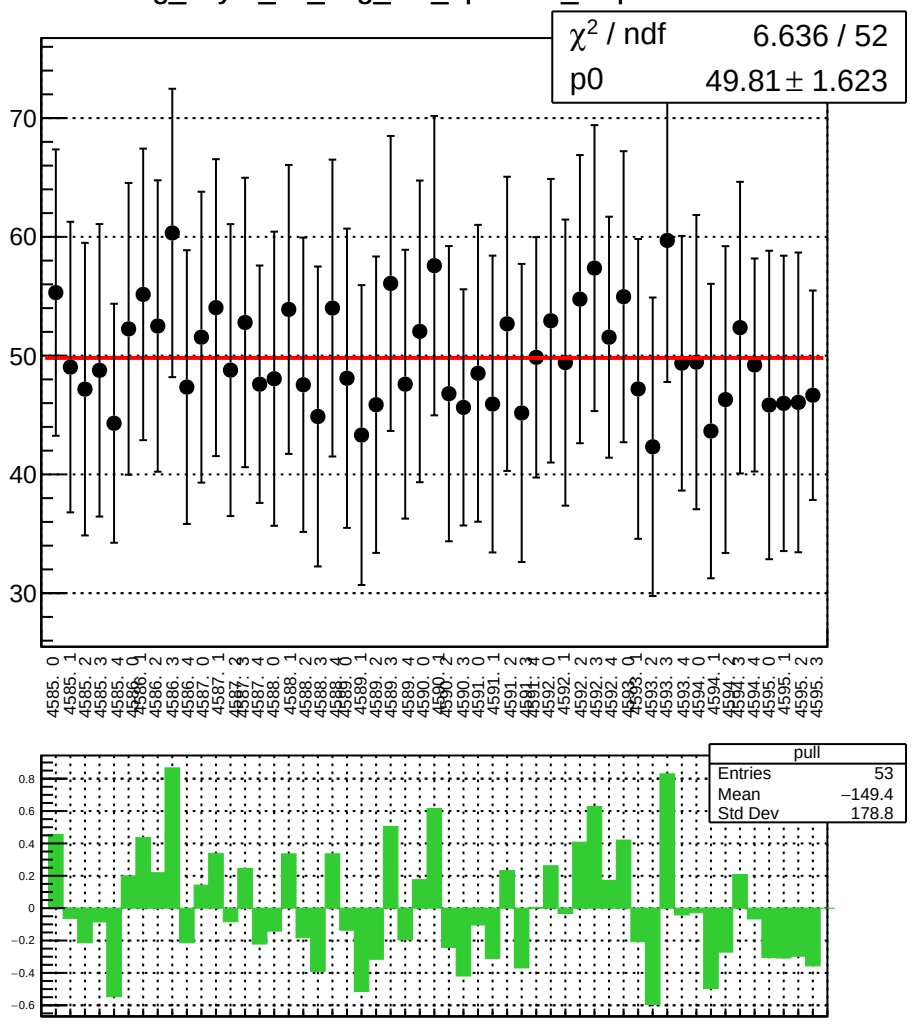

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 17.54 / 52
p0 −326 ± 0.5922
−315
−320
−325
−330
−335
pull
Entries 53
Mean −1.56e+04
Std Dev 1.562e+04
pull1D
Entries 53
Mean 0.0004086
Std Dev 0.5753

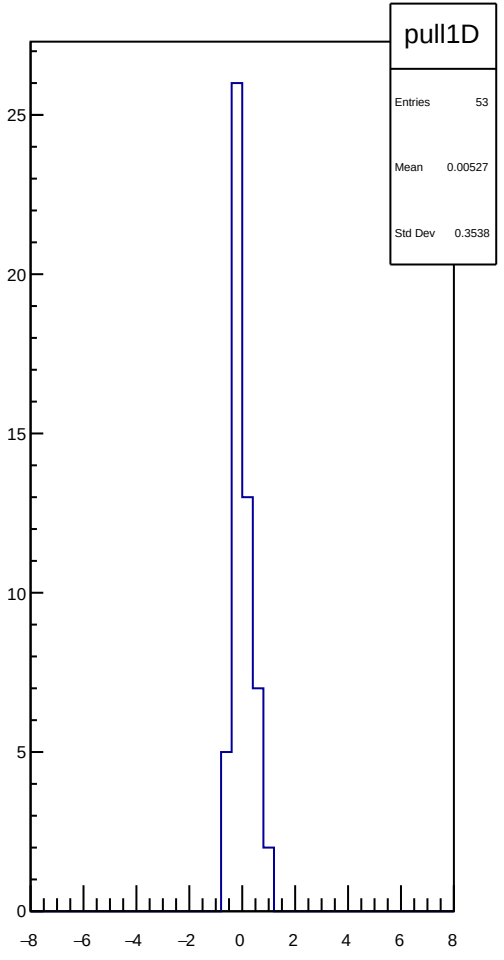

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 3.962 / 52
p0 122.9 ± 5.176
pull
Entries 53
Mean 1195
Std Dev 1169

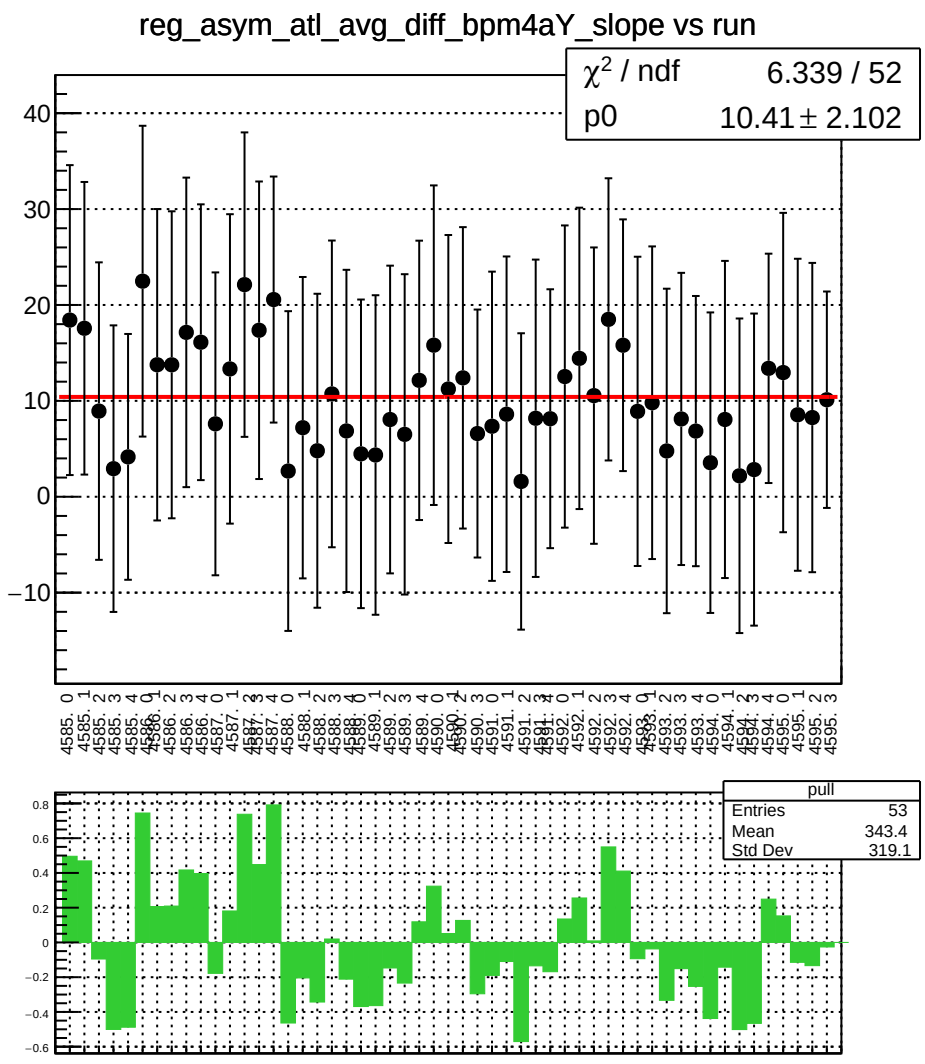

pull1D
Entries 53
Mean 0.001327
Std Dev 0.2734

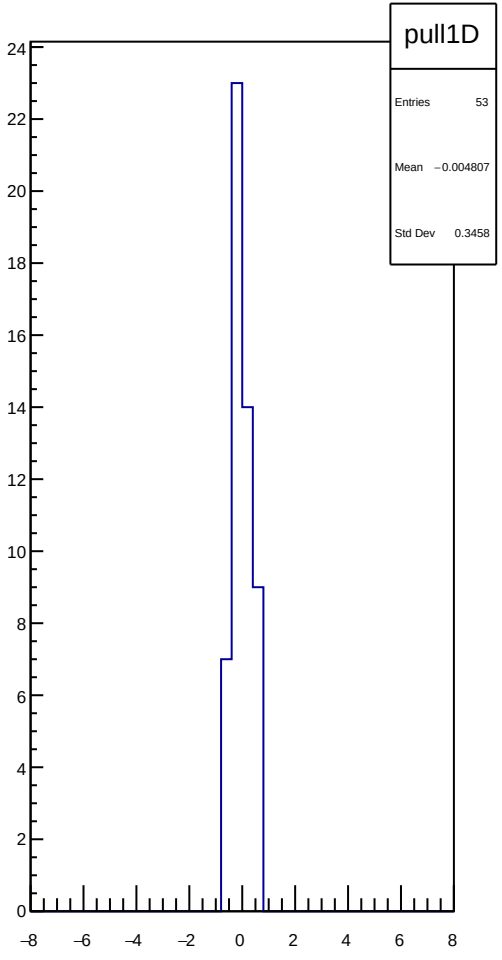

reg_asym_atl2_diff_bpm11X_slope vs run
χ² / ndf 5.642 / 52
p0 −528.5 ± 0.9453
pull
Entries 53
Mean −372.8
Std Dev 398.5

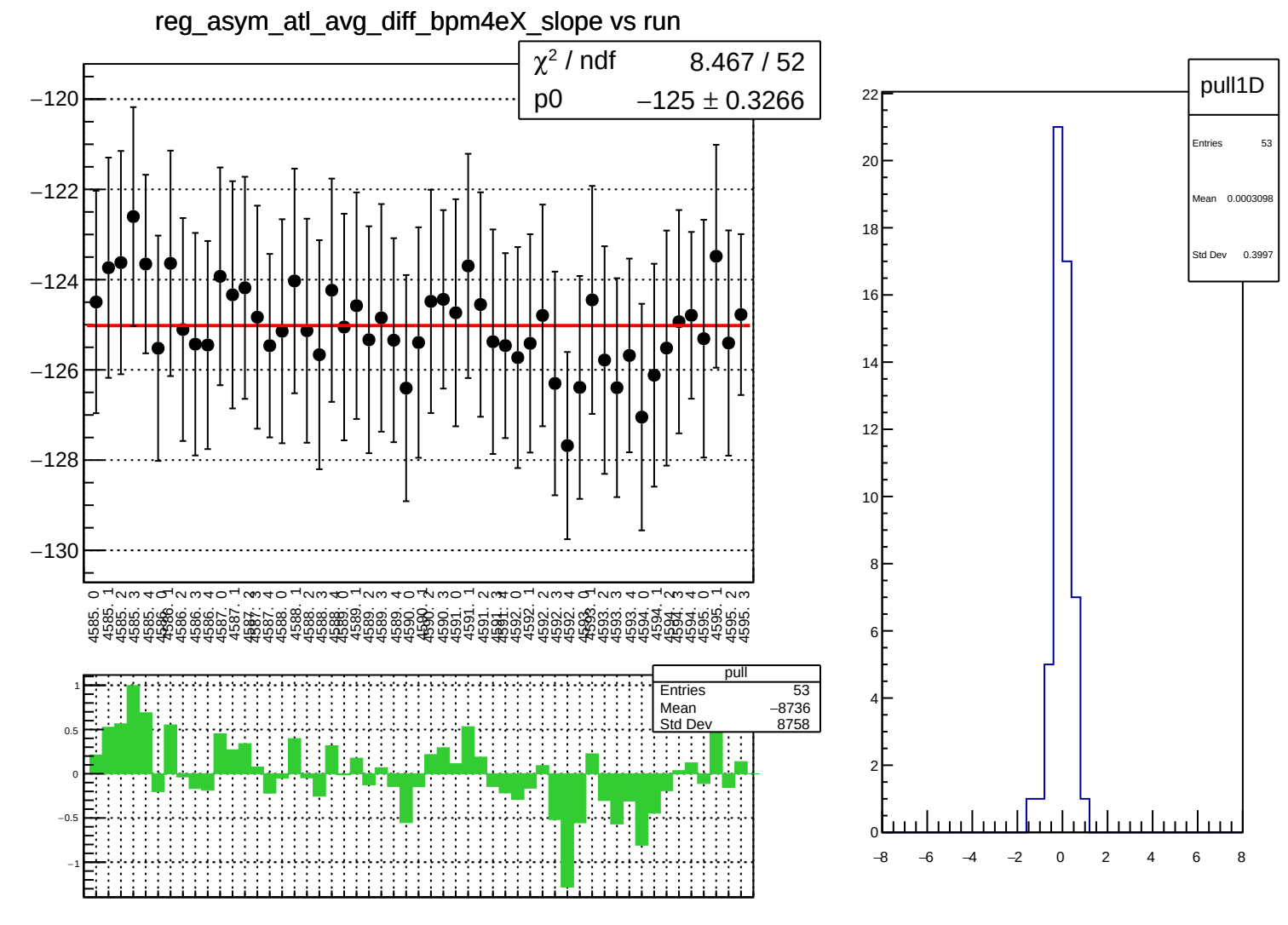

pull1D
Entries 53
Mean 0.009251
Std Dev 0.3261

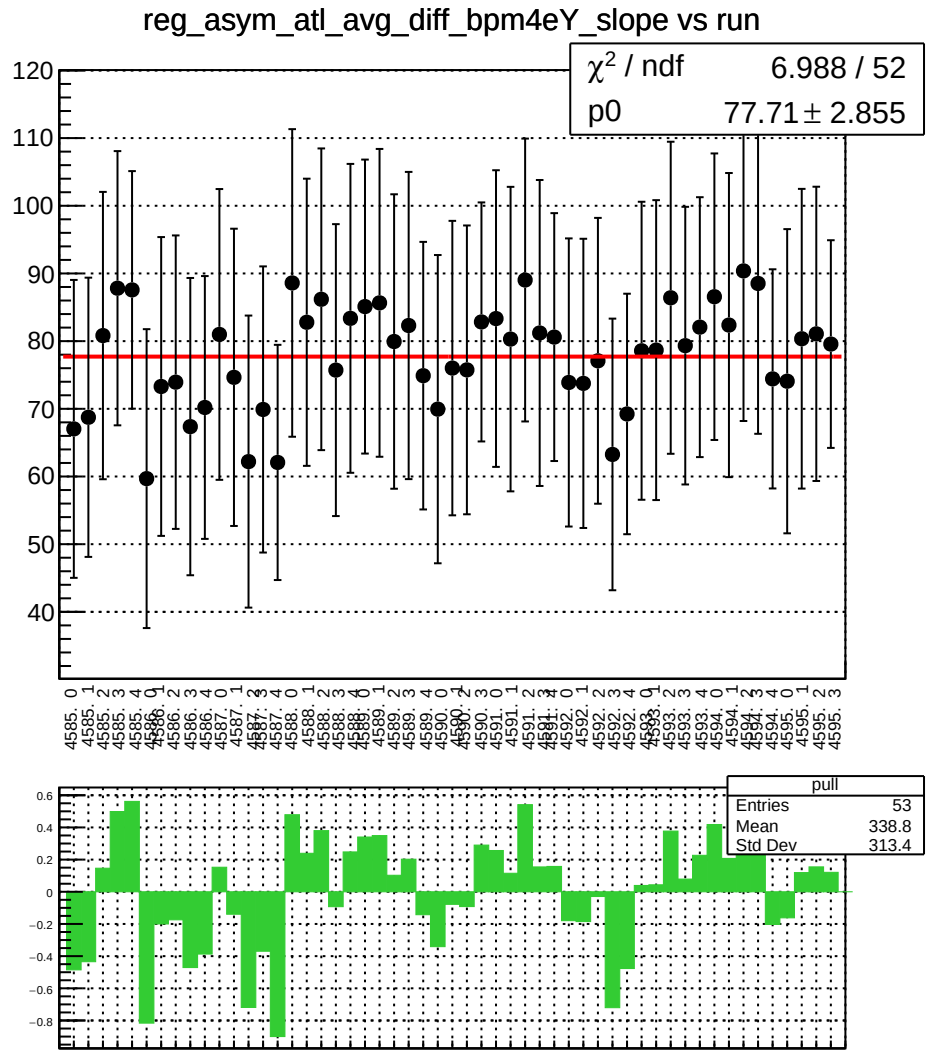

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 6.636 / 52
p0 49.81 ± 1.623
pull
Entries 53
Mean −149.4
Std Dev 178.8

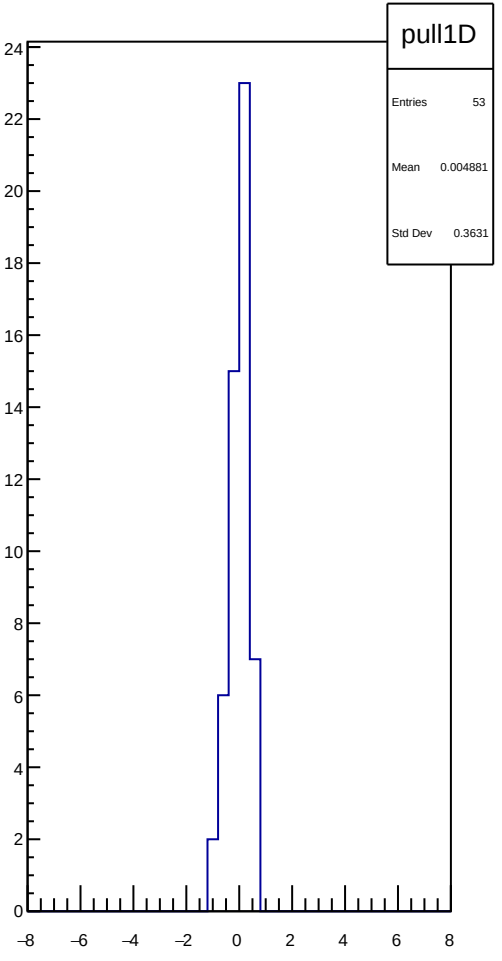

pull1D
Entries 53
Mean 0.00527
Std Dev 0.3538

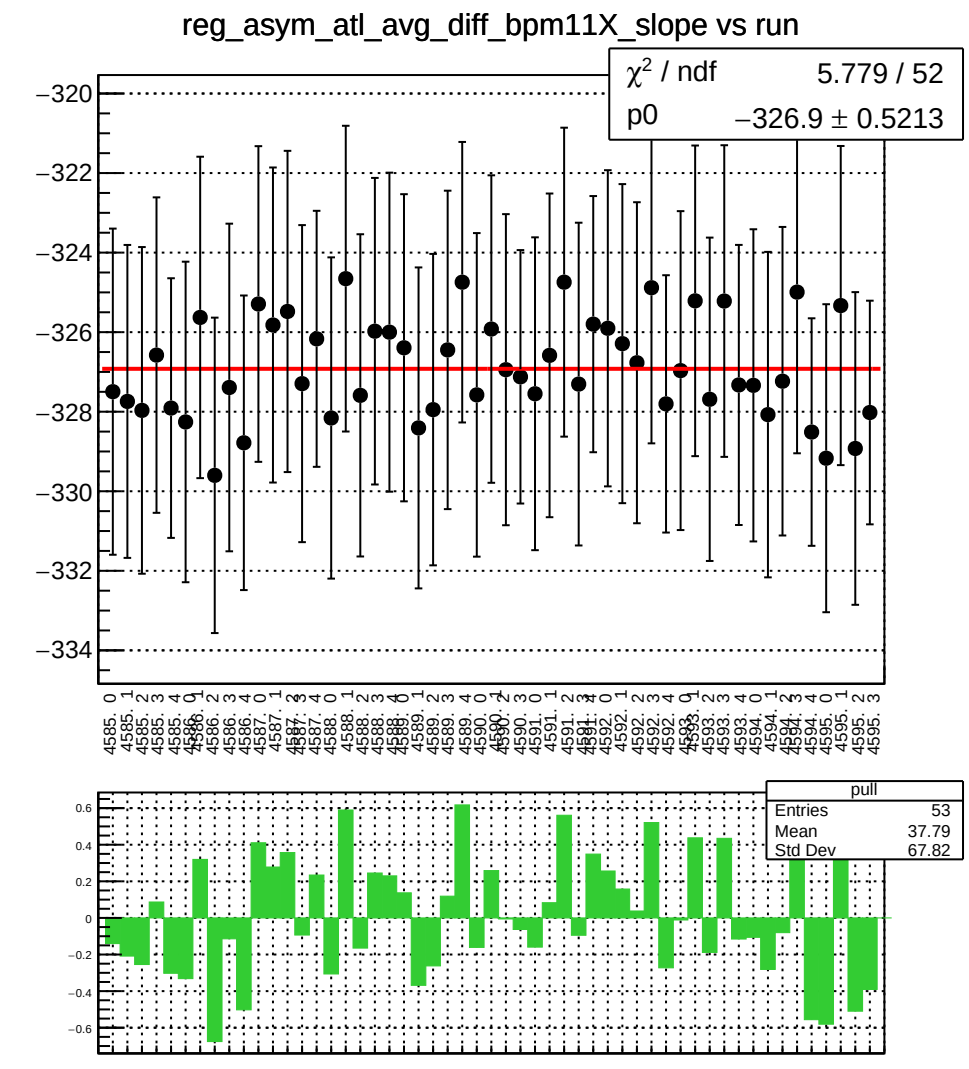

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.339 / 52
p0 10.41 ± 2.102
pull
Entries 53
Mean 343.4
Std Dev 319.1

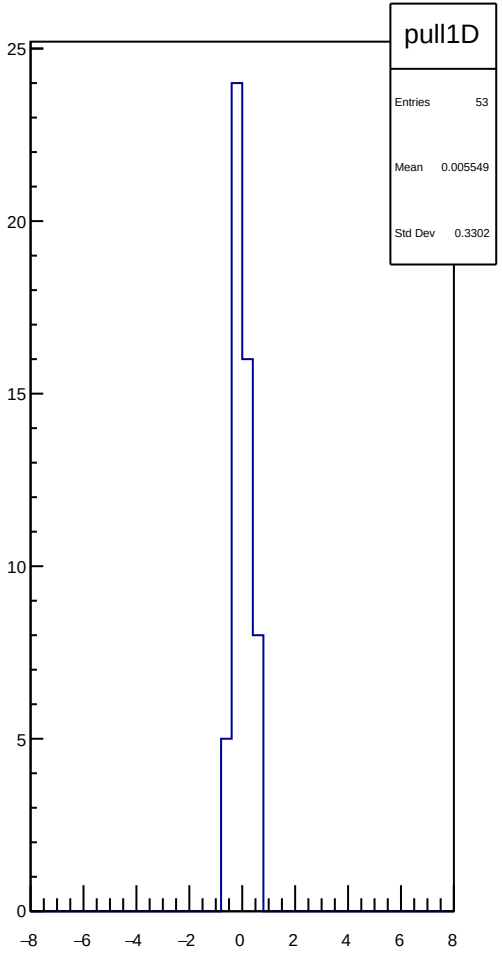

pull1D
Entries 53
Mean −0.004807
Std Dev 0.3458

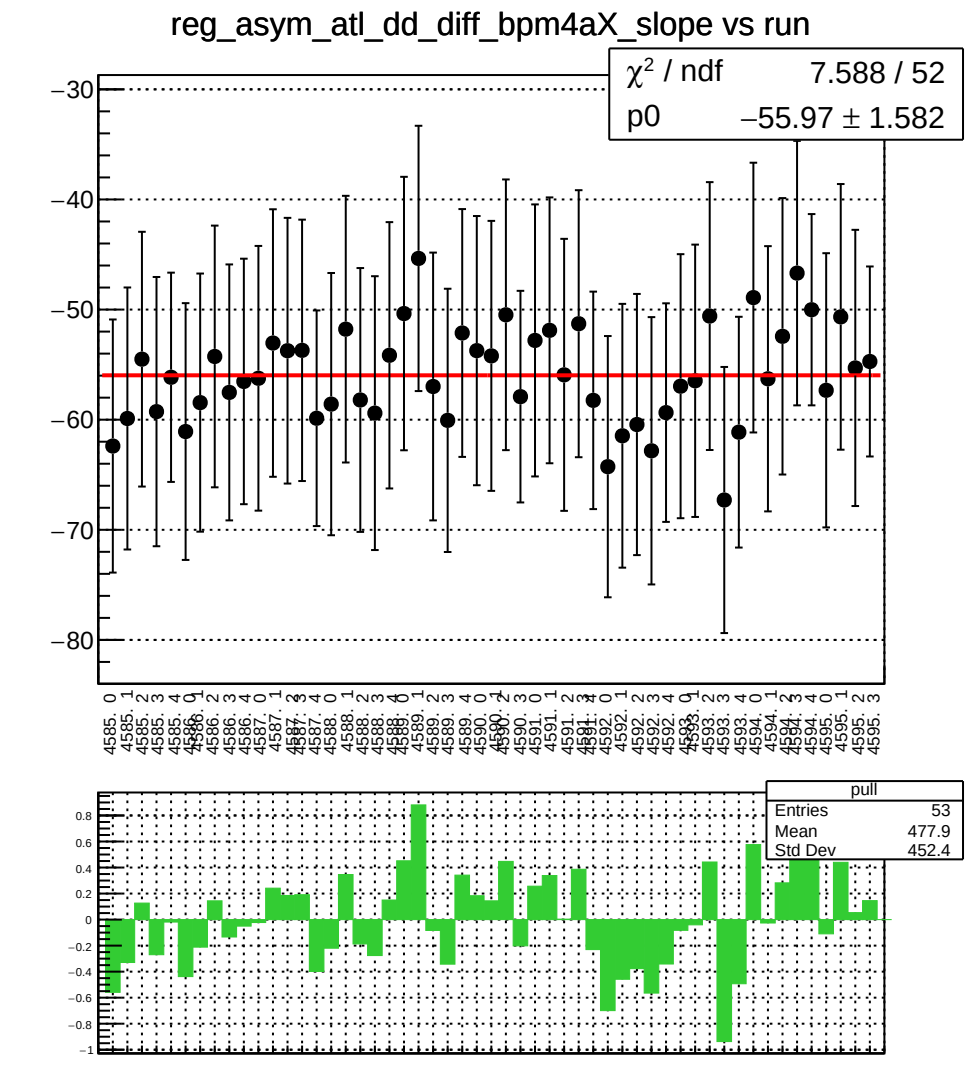

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.467 / 52
p0 −125 ± 0.3266
−120
−122
−124
−126
−128
−130
pull
Entries 53
Mean −8736
Std Dev 8758
1
0.5
0
−0.5
−1
pull1D
Entries 53
Mean 0.0003098
Std Dev 0.3997
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

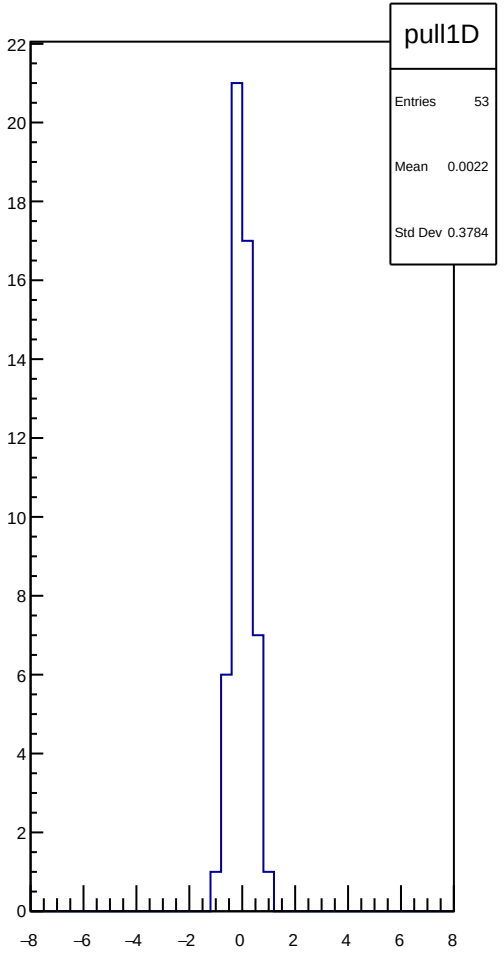

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 6.988 / 52
p0 77.71 ± 2.855
pull
Entries 53
Mean 338.8
Std Dev 313.4

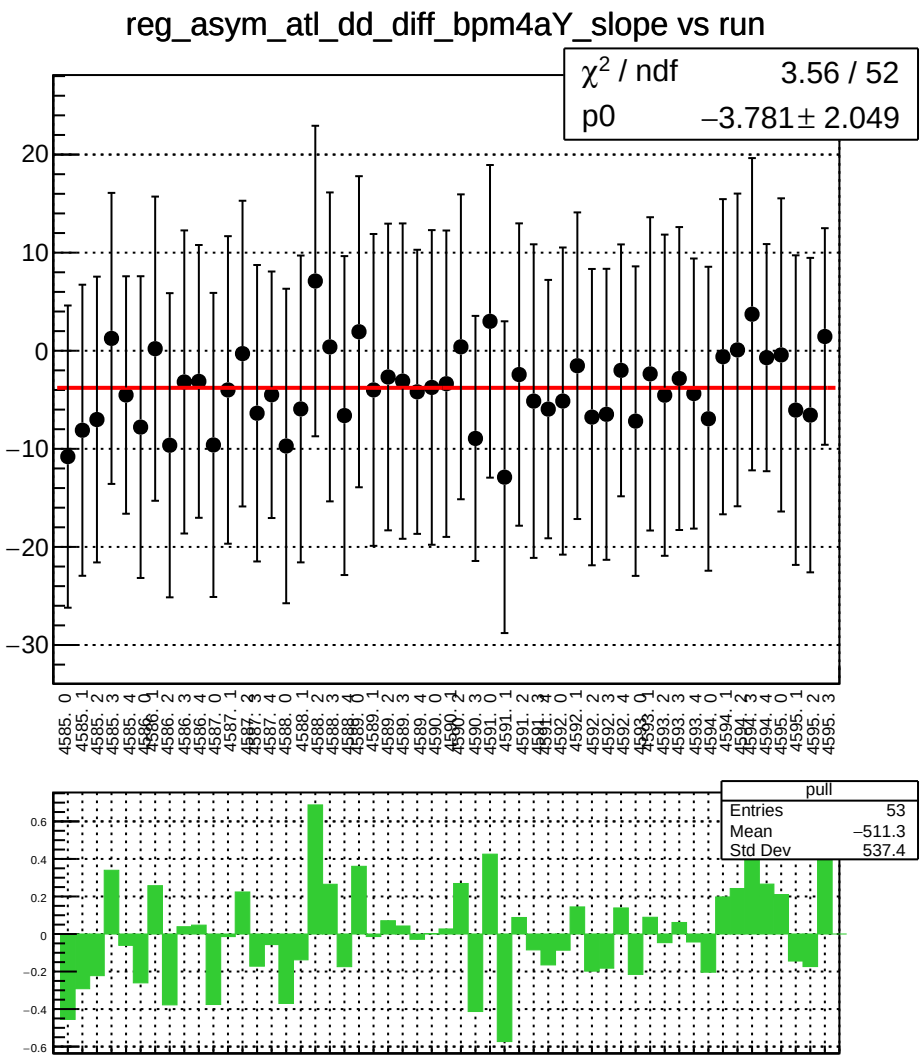

pull1D
Entries 53
Mean 0.004881
Std Dev 0.3631

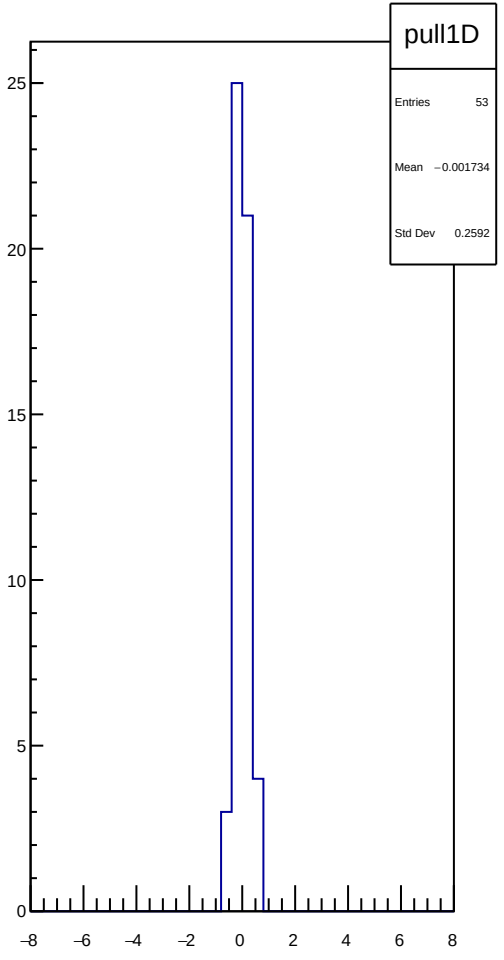

reg_asym_atl_avg_diff_bpm11X_slope vs run
χ² / ndf 5.779 / 52
p0 −326.9 ± 0.5213
pull
Entries 53
Mean 37.79
Std Dev 67.82

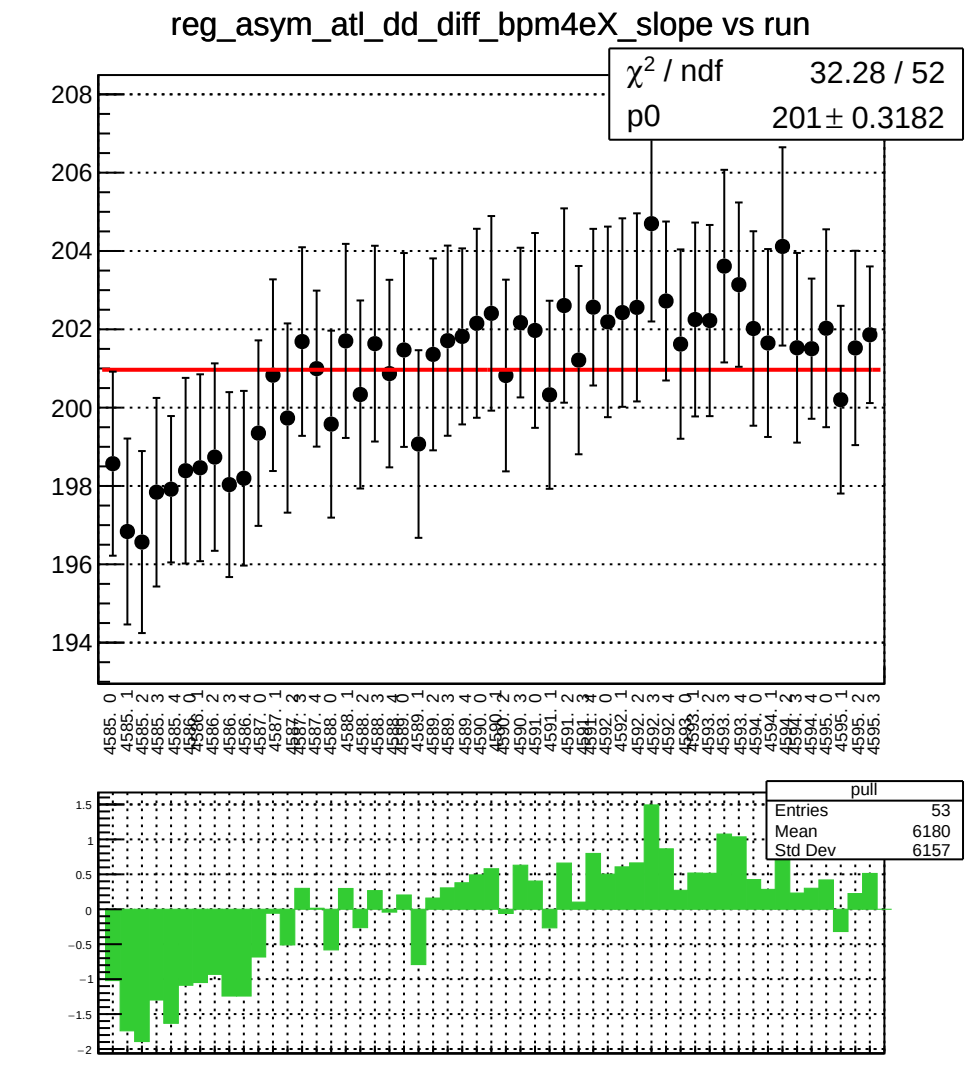

pull1D
Entries 53
Mean 0.005549
Std Dev 0.3302

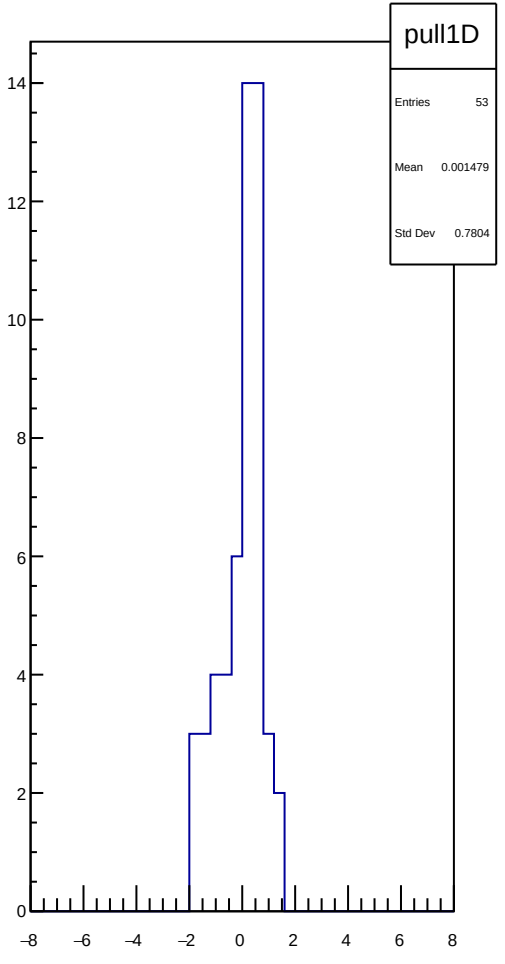

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.588 / 52
p0 −55.97 ± 1.582
pull
Entries 53
Mean 477.9
Std Dev 452.4

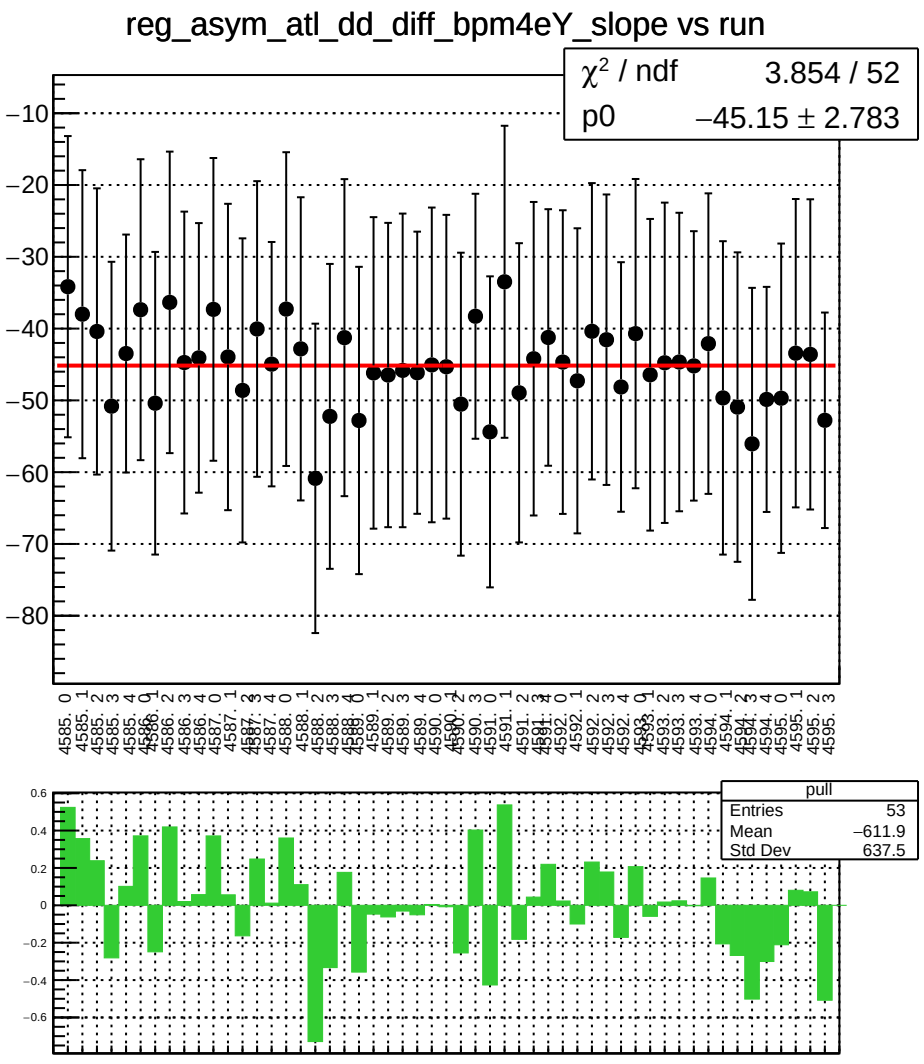

pull1D
Entries 53
Mean 0.0022
Std Dev 0.3784

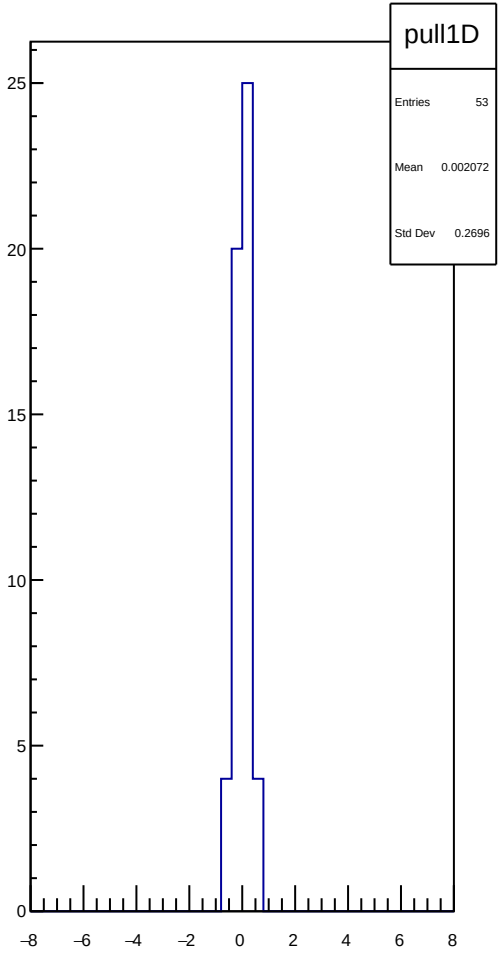

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.56 / 52
p0 −3.781 ± 2.049
pull
Entries 53
Mean −511.3
Std Dev 537.4

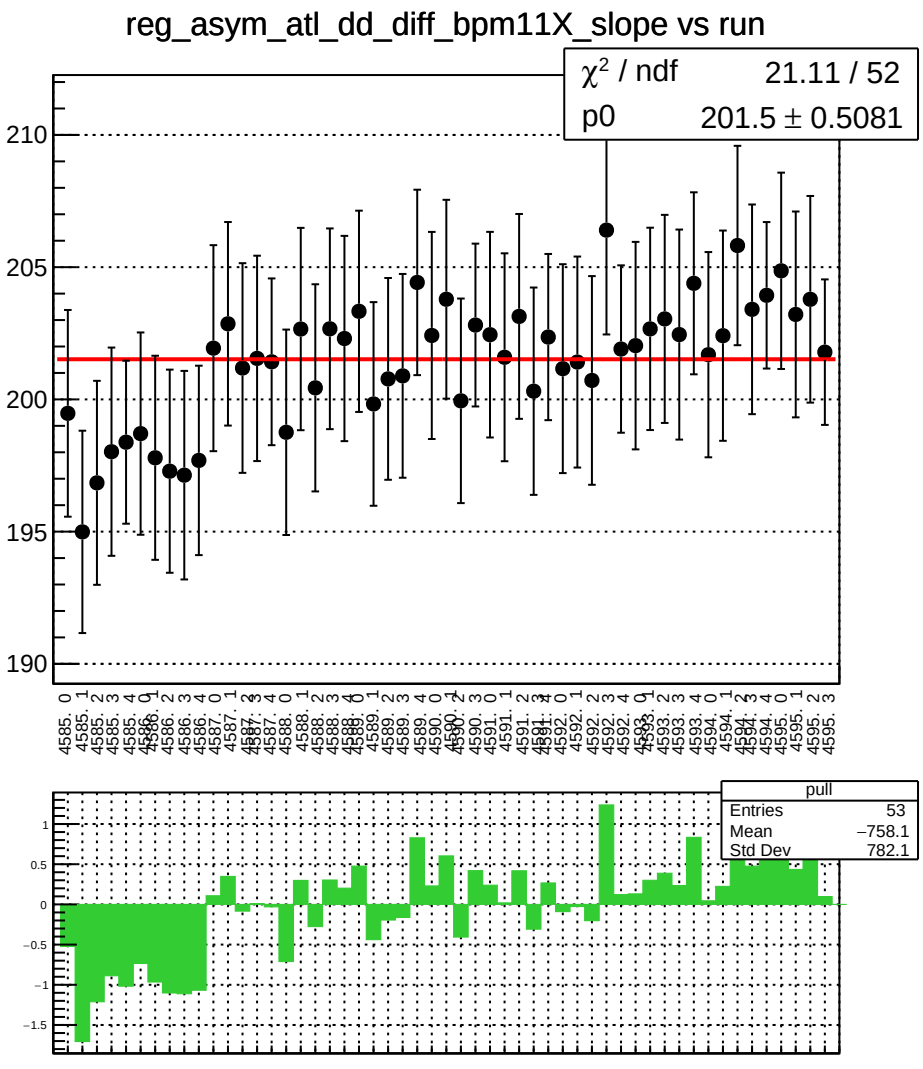

pull1D
Entries 53
Mean −0.001734
Std Dev 0.2592

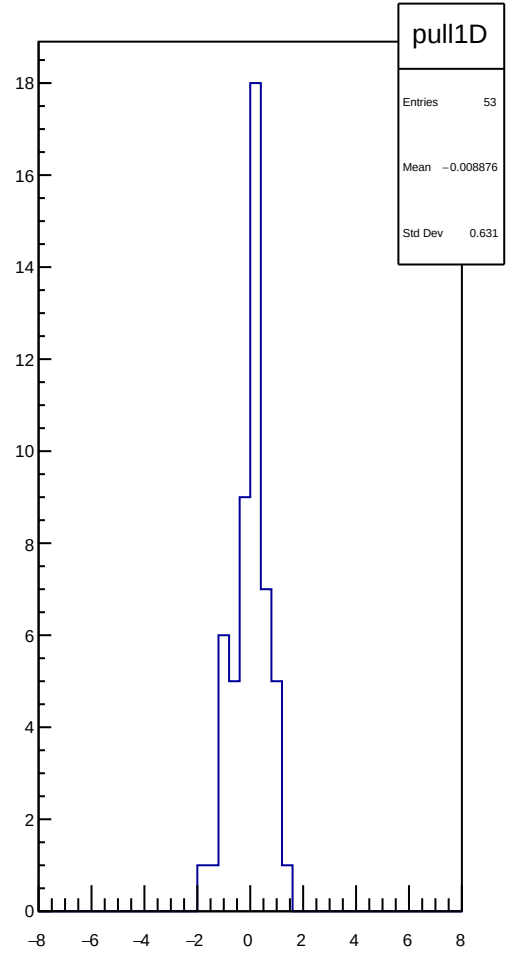

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.28 / 52
p0 201 ± 0.3182
pull
Entries 53
Mean 6180
Std Dev 6157

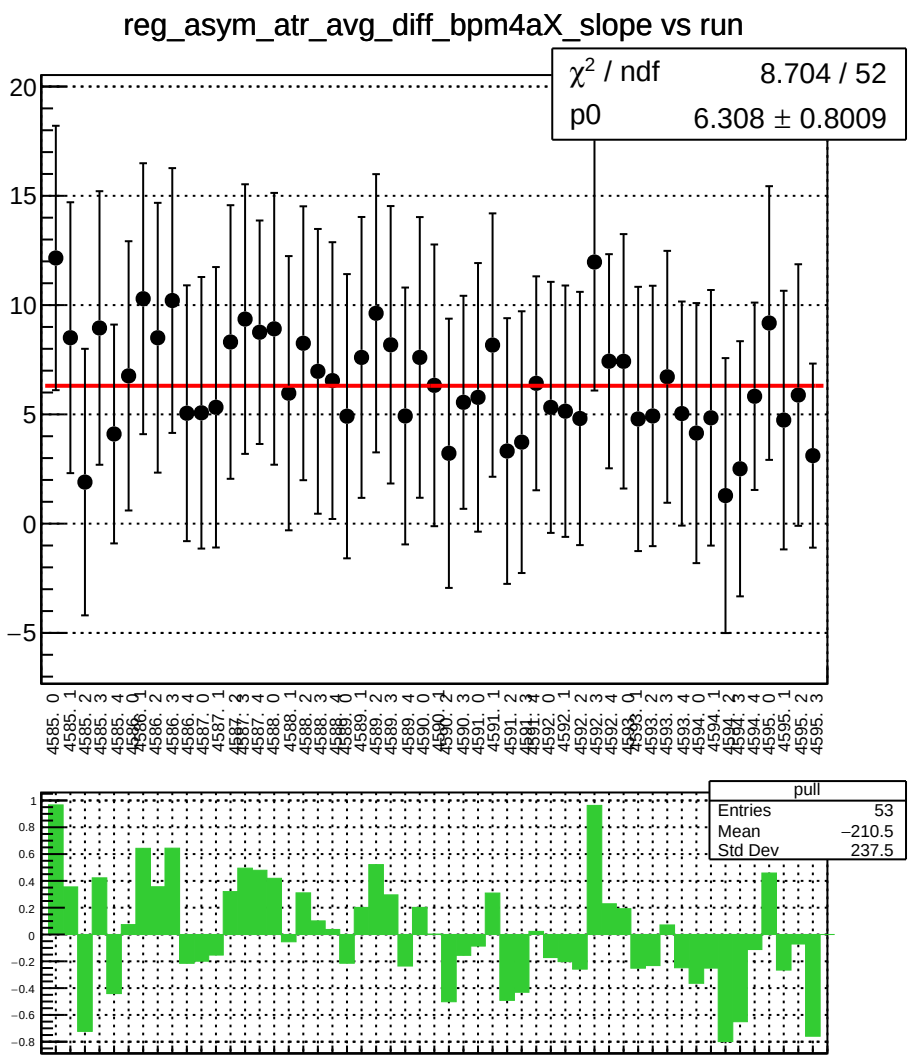

pull1D
Entries 53
Mean 0.001479
Std Dev 0.7804

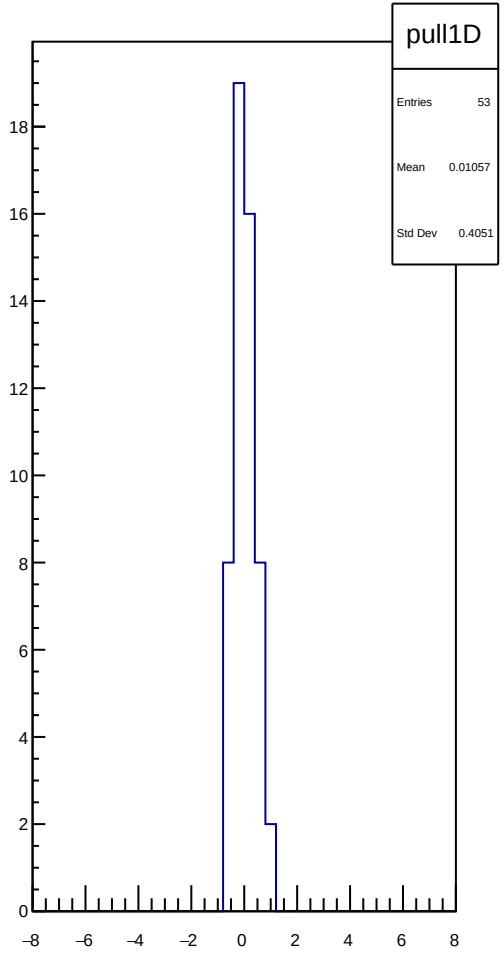

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.854 / 52
p0 −45.15 ± 2.783
pull
Entries 53
Mean −611.9
Std Dev 637.5

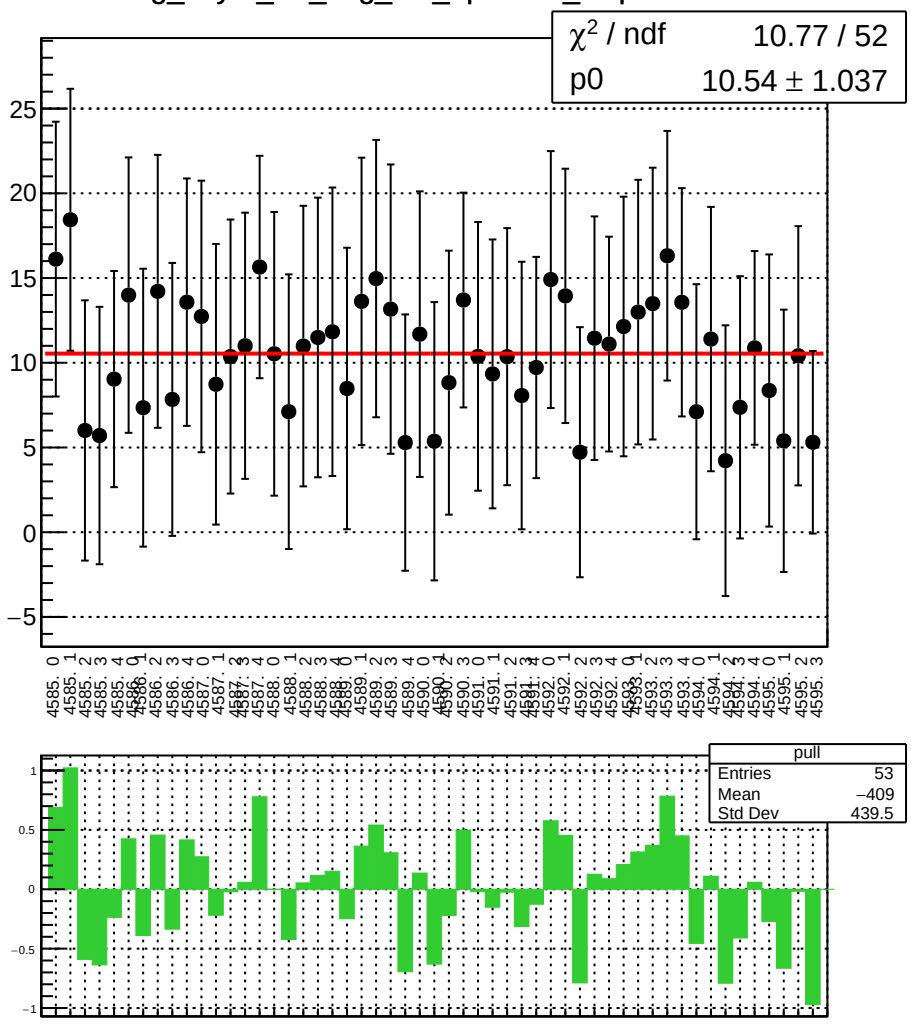

pull1D
Entries 53
Mean 0.002072
Std Dev 0.2696

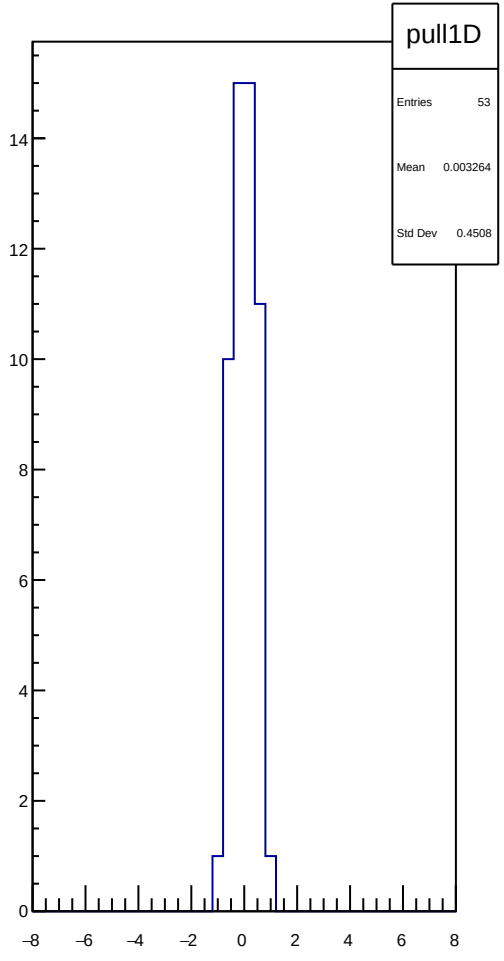

reg_asym_atl_dd_diff_bpm11X_slope vs run
χ² / ndf 21.11 / 52
p0 201.5 ± 0.5081
210
205
200
195
190
pull
Entries 53
Mean −758.1
Std Dev 782.1
1
0.5
0
−0.5
−1
−1.5

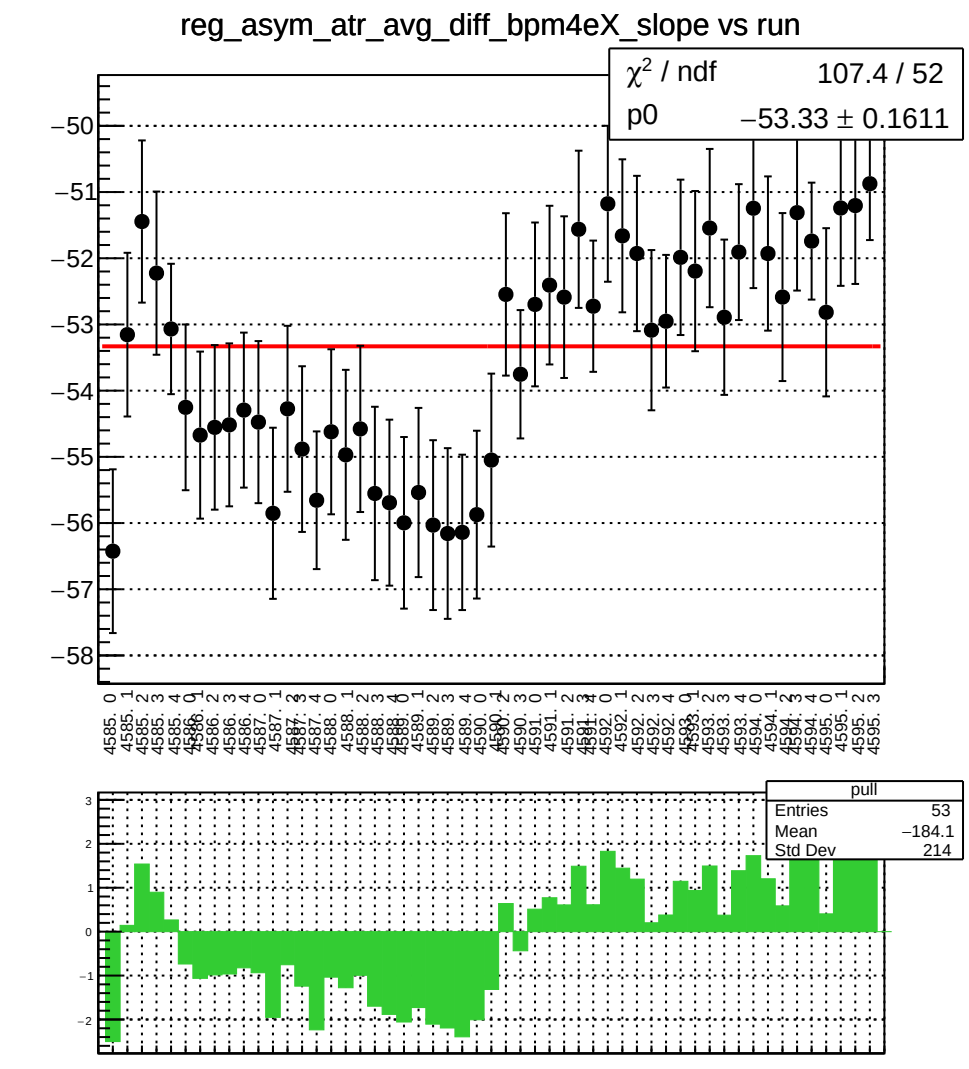

pull1D
Entries 53
Mean −0.008876
Std Dev 0.631
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

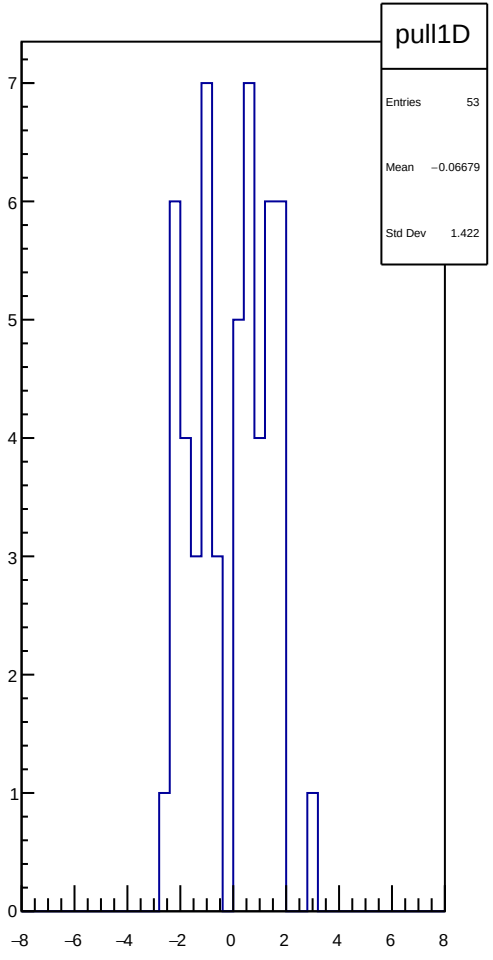

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.704 / 52
p0 6.308 ± 0.8009
pull
Entries 53
Mean −210.5
Std Dev 237.5

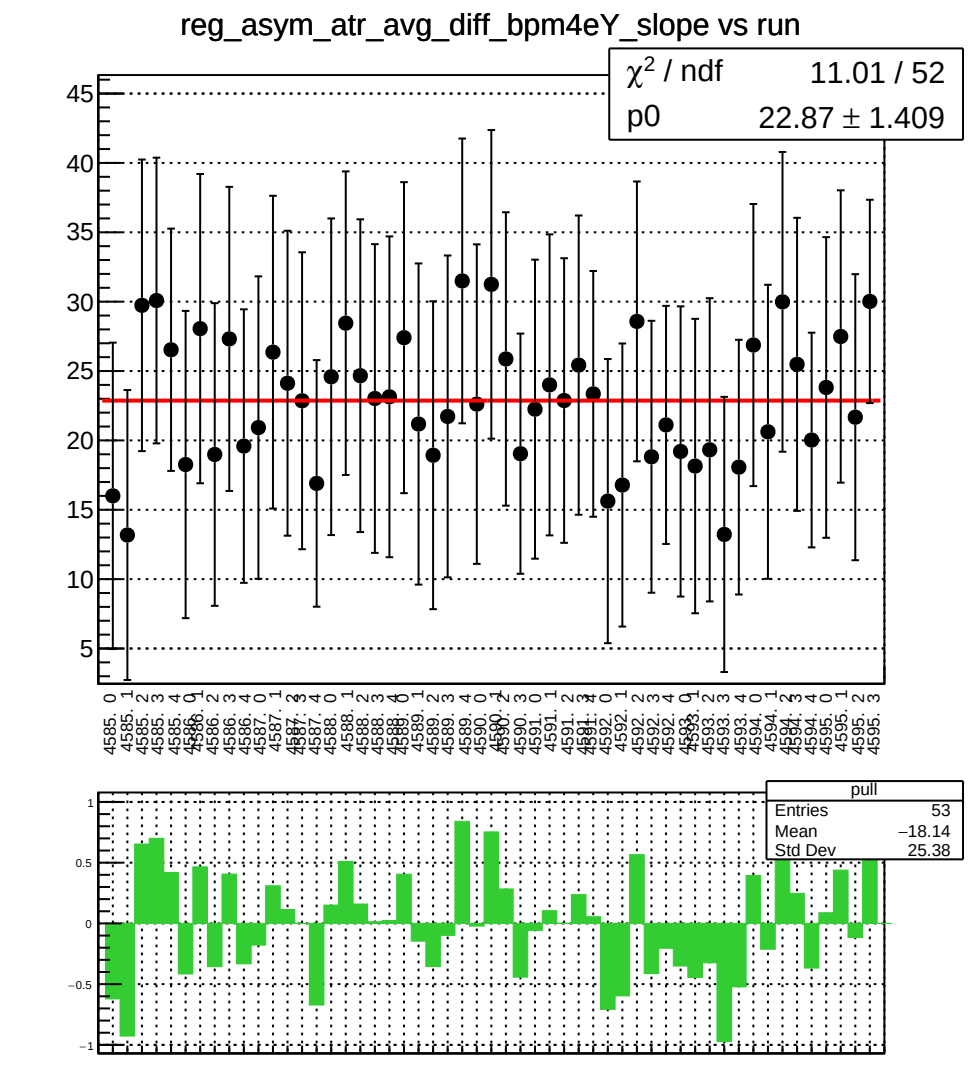

pull1D
Entries 53
Mean 0.01057
Std Dev 0.4051

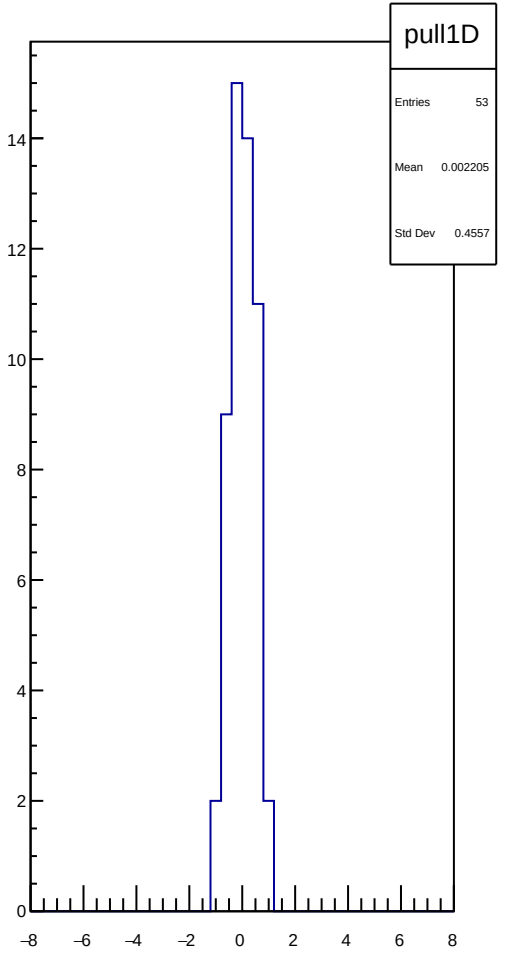

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.77 / 52
p0 10.54 ± 1.037
pull
Entries 53
Mean −409
Std Dev 439.5

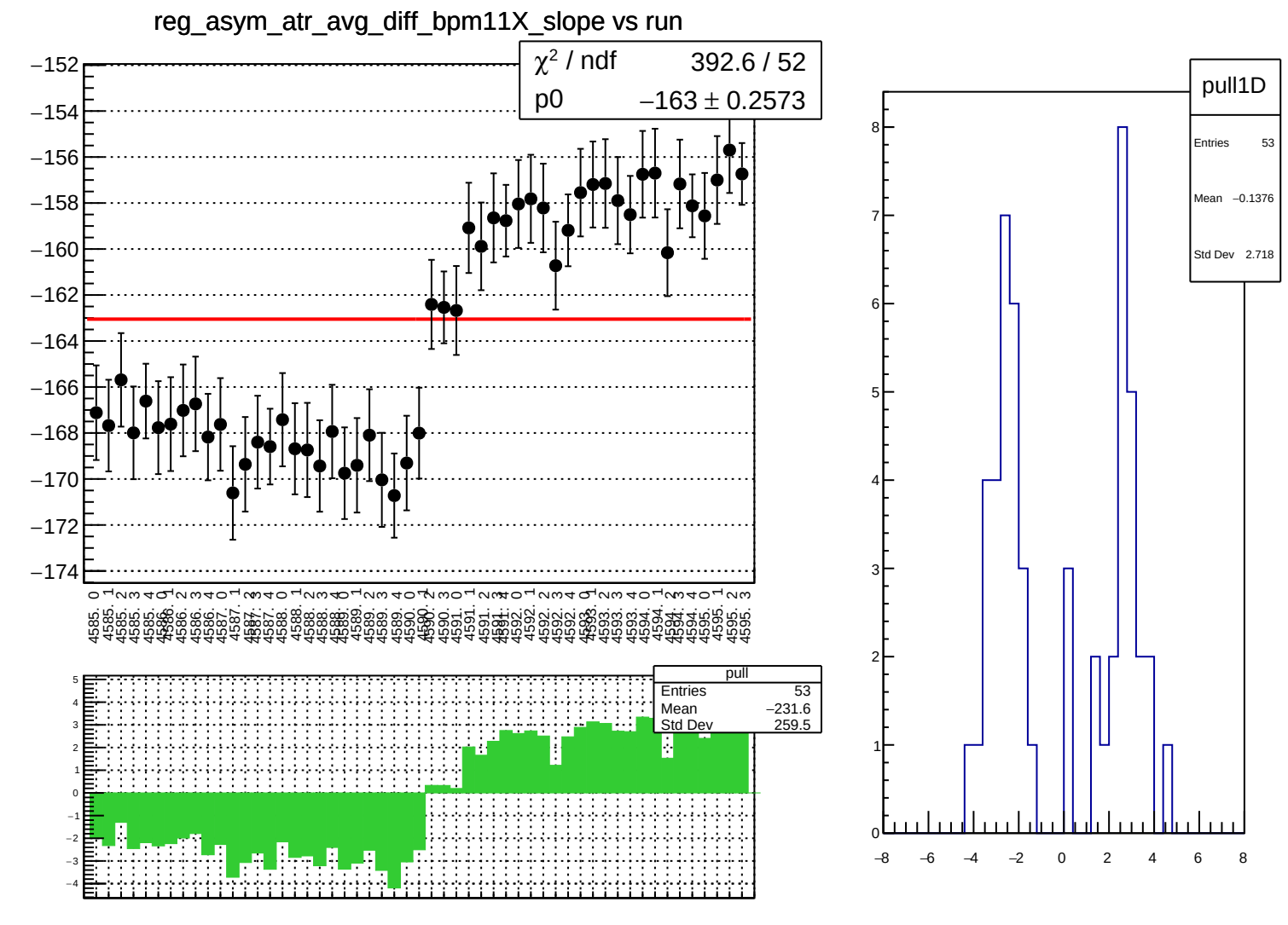

pull1D
Entries 53
Mean 0.003264
Std Dev 0.4508

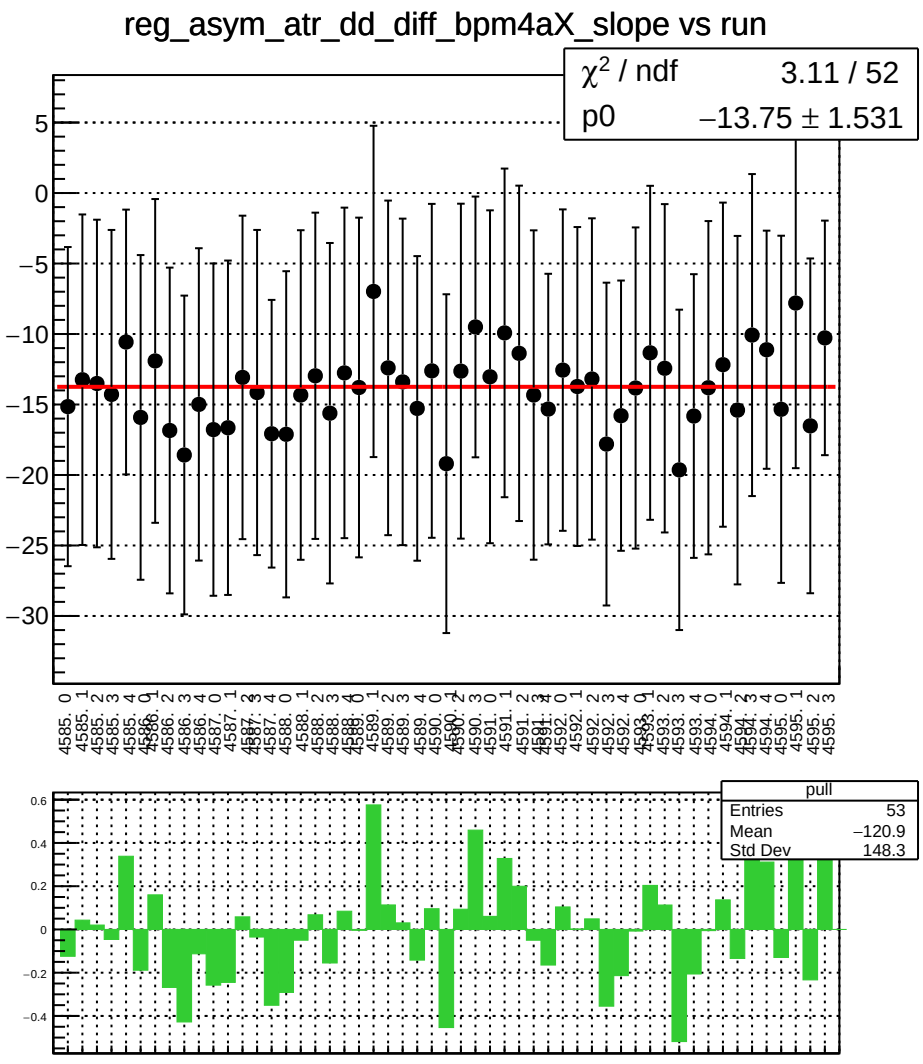

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 107.4 / 52
p0 −53.33 ± 0.1611
pull
Entries 53
Mean −184.1
Std Dev 214

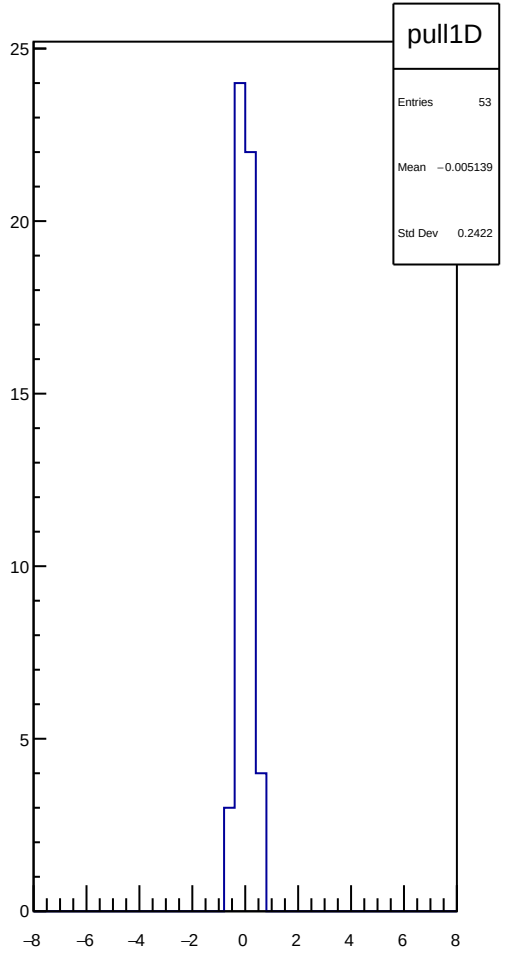

pull1D
Entries 53
Mean −0.06679
Std Dev 1.422

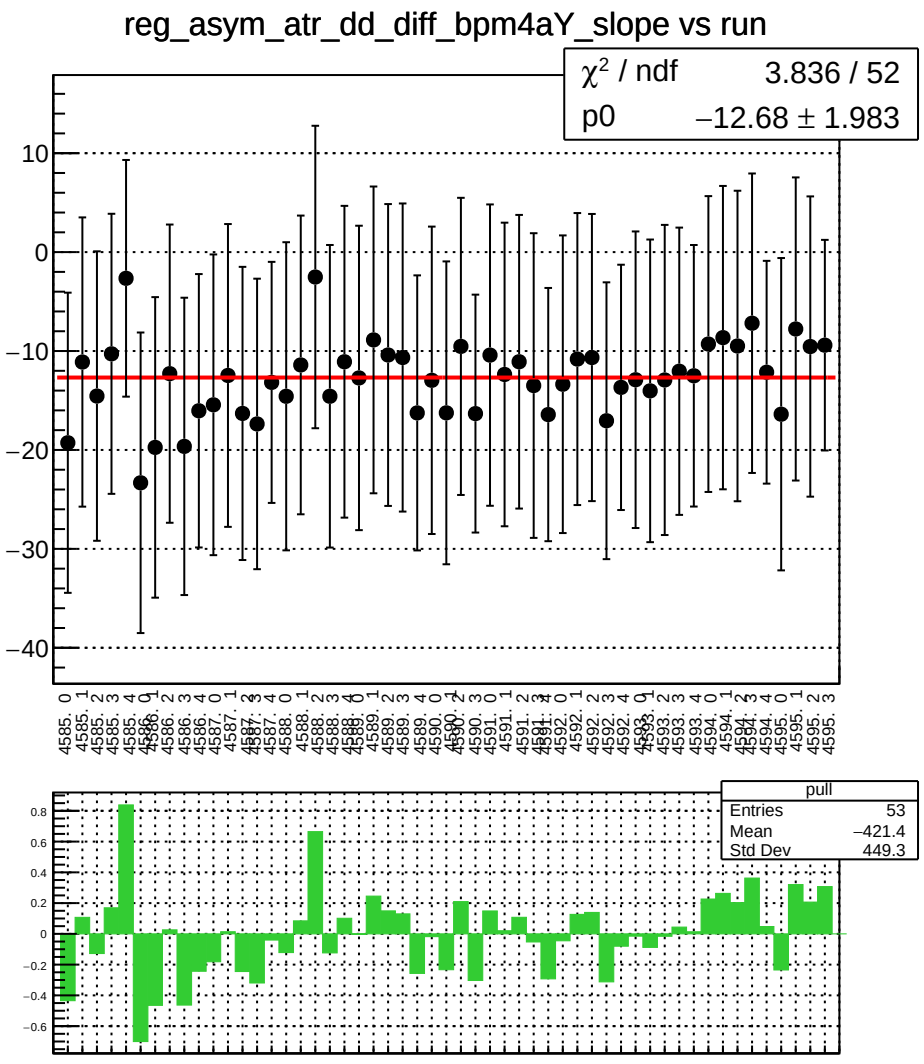

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.01 / 52
p0 22.87 ± 1.409
pull
Entries 53
Mean −18.14
Std Dev 25.38

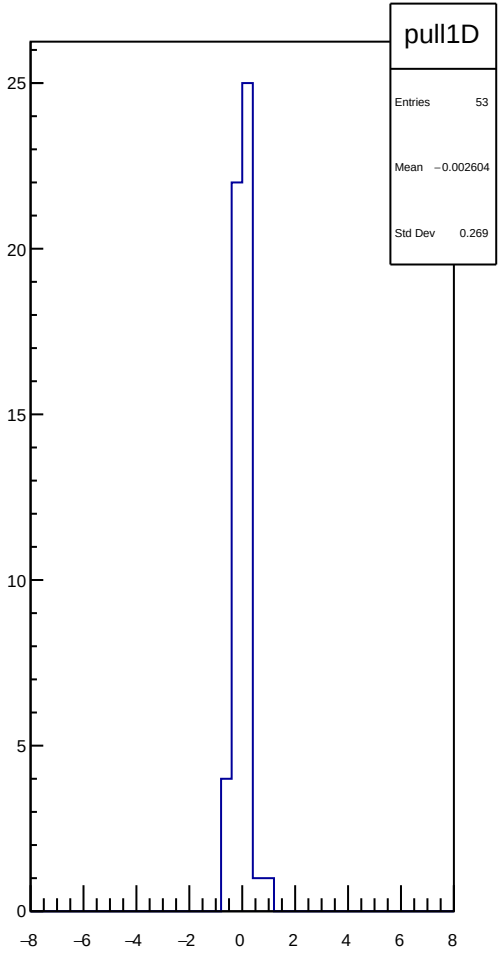

pull1D
Entries 53
Mean 0.002205
Std Dev 0.4557

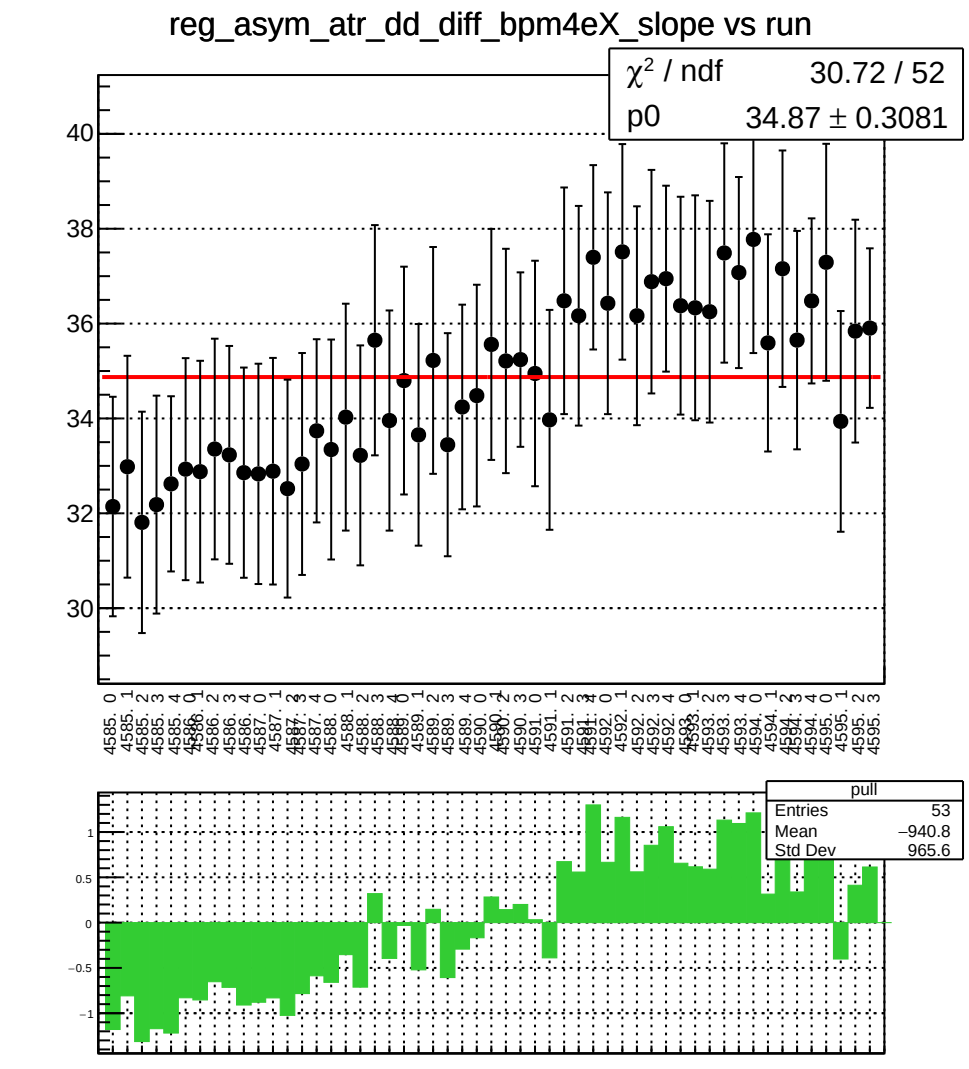

reg_asym_atr_avg_diff_bpm11X_slope vs run
χ² / ndf 392.6 / 52
p0 −163 ± 0.2573
pull
Entries 53
Mean −231.6
Std Dev 259.5
pull1D
Entries 53
Mean −0.1376
Std Dev 2.718

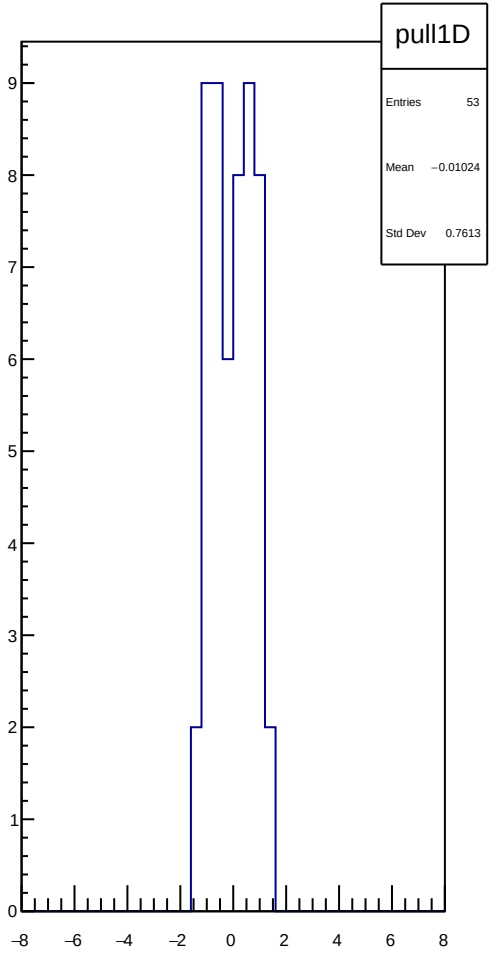

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.11 / 52
p0 −13.75 ± 1.531
pull
Entries 53
Mean −120.9
Std Dev 148.3

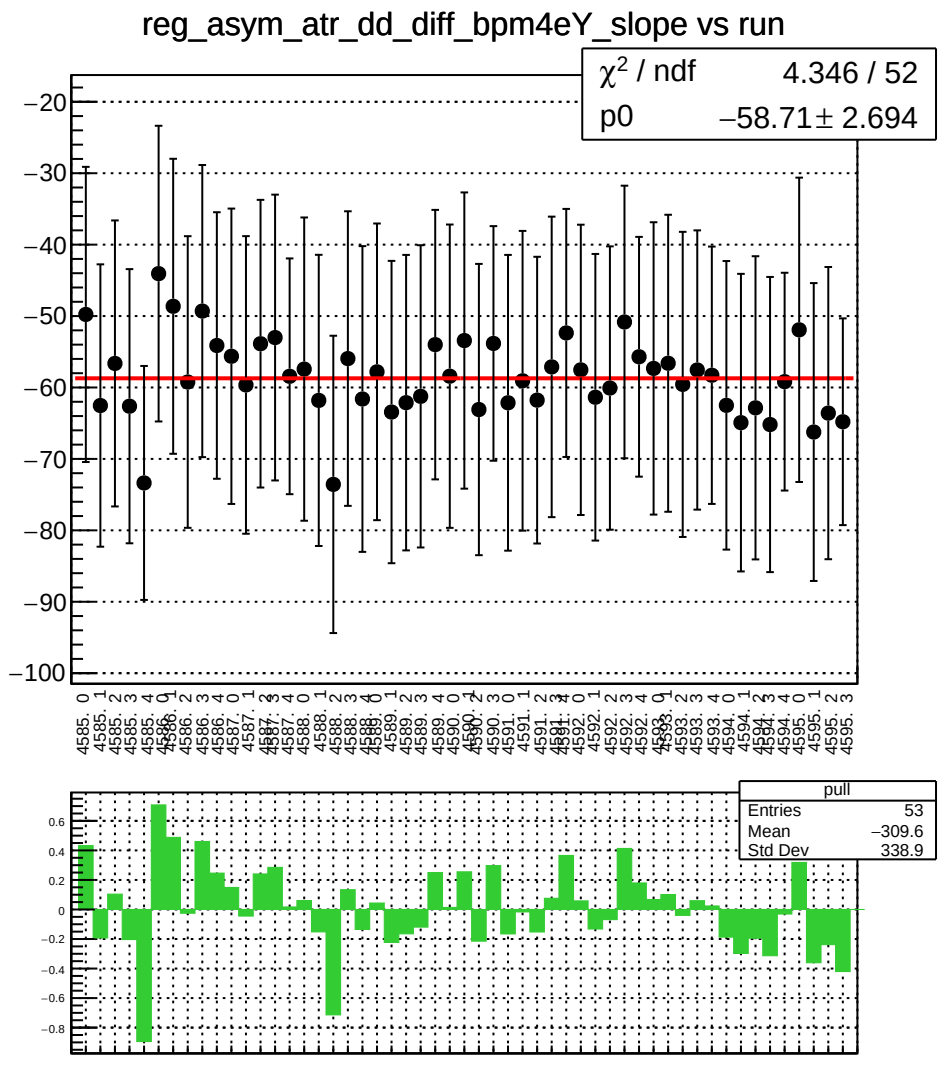

pull1D
Entries 53
Mean −0.005139
Std Dev 0.2422

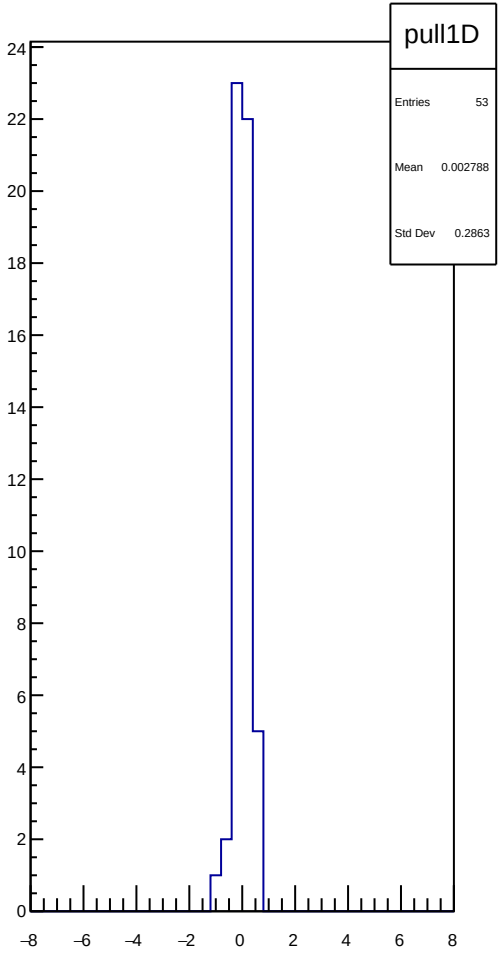

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.836 / 52
p0 −12.68 ± 1.983
pull
Entries 53
Mean −421.4
Std Dev 449.3

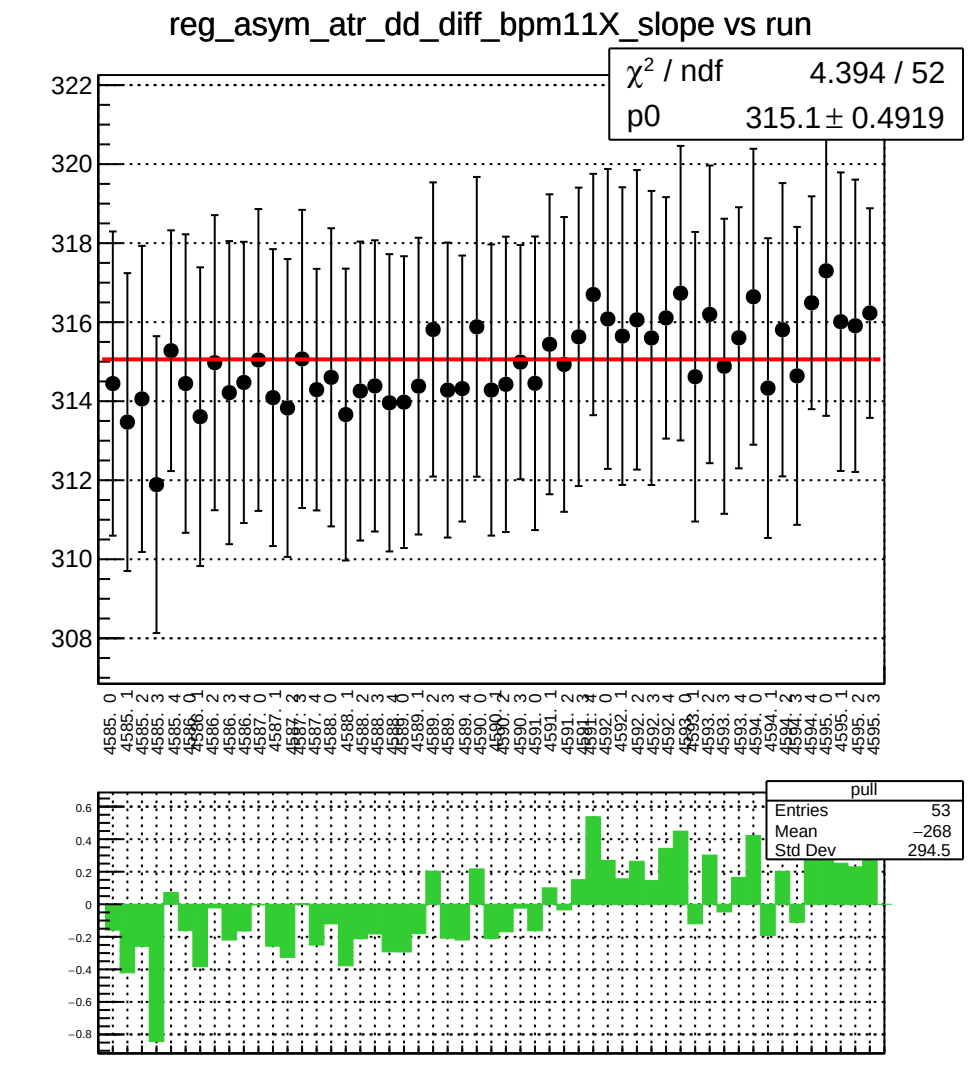

pull1D
Entries 53
Mean −0.002604
Std Dev 0.269

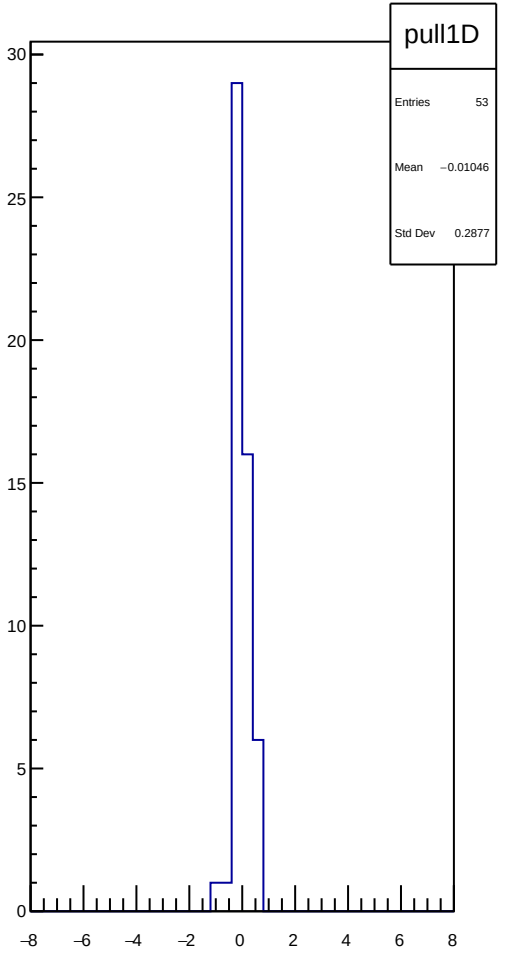

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.72 / 52
p0 34.87 ± 0.3081
40
38
36
34
32
30
pull
Entries 53
Mean −940.8
Std Dev 965.6
1
0.5
0
−0.5
−1

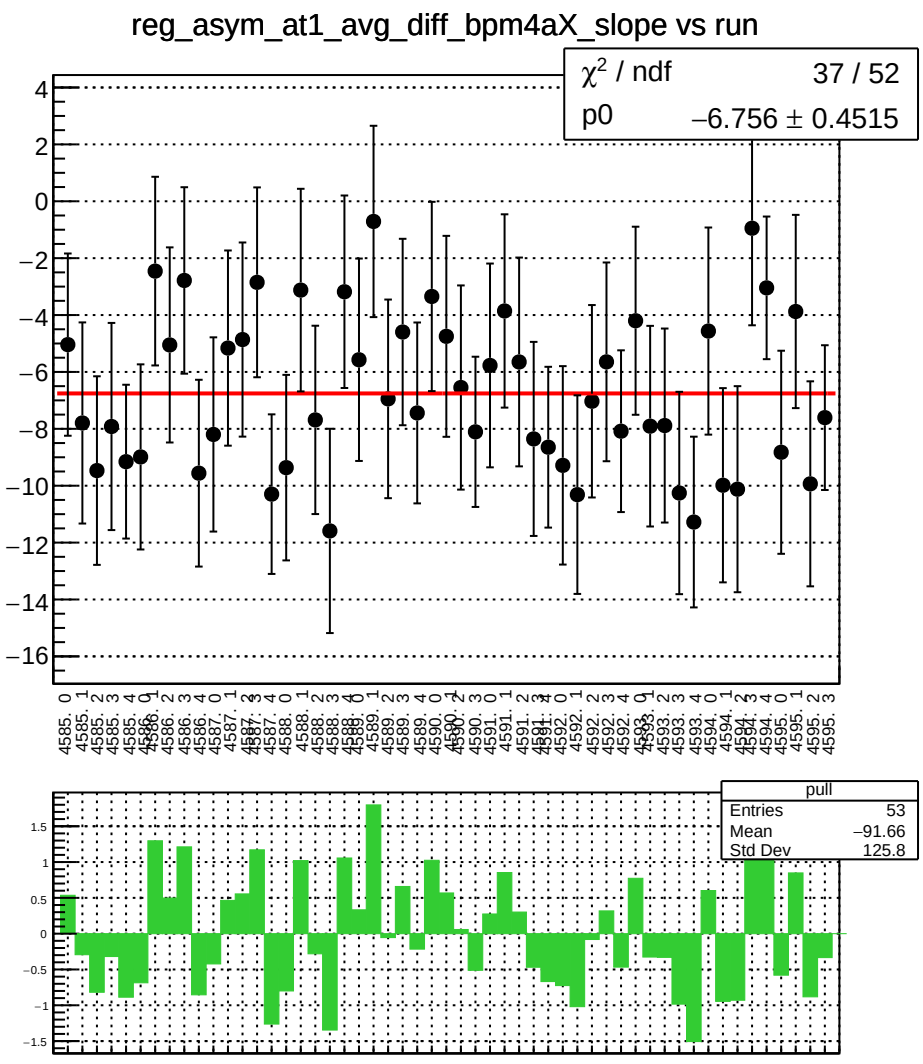

pull1D
Entries 53
Mean −0.01024
Std Dev 0.7613
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

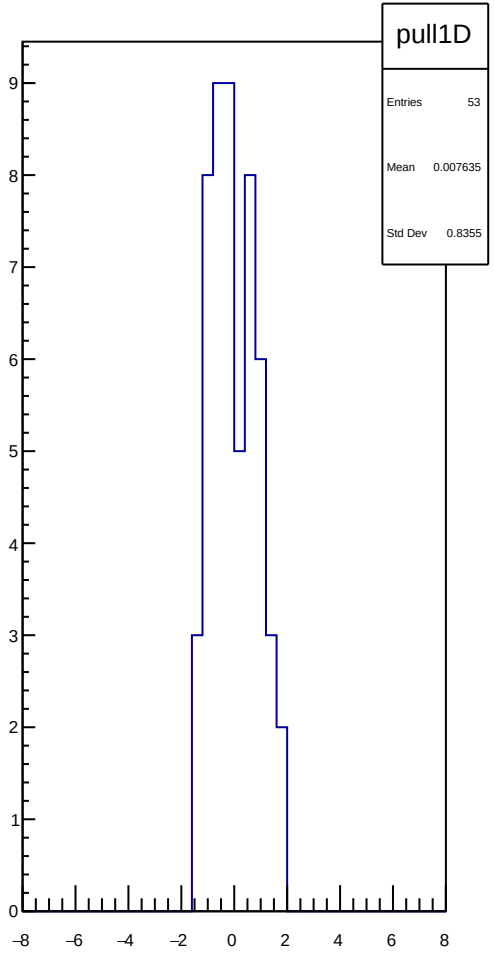

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.346 / 52
p0 −58.71± 2.694
pull
Entries 53
Mean −309.6
Std Dev 338.9

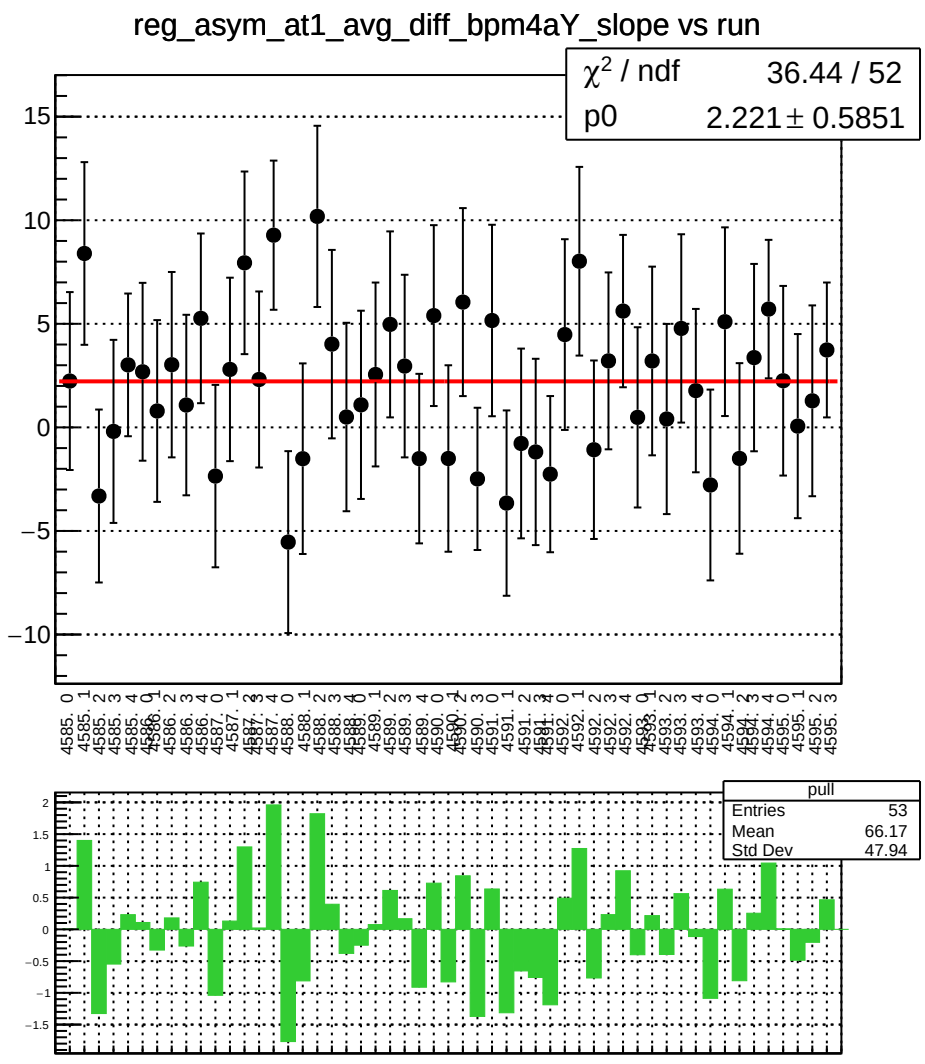

pull1D
Entries 53
Mean 0.002788
Std Dev 0.2863

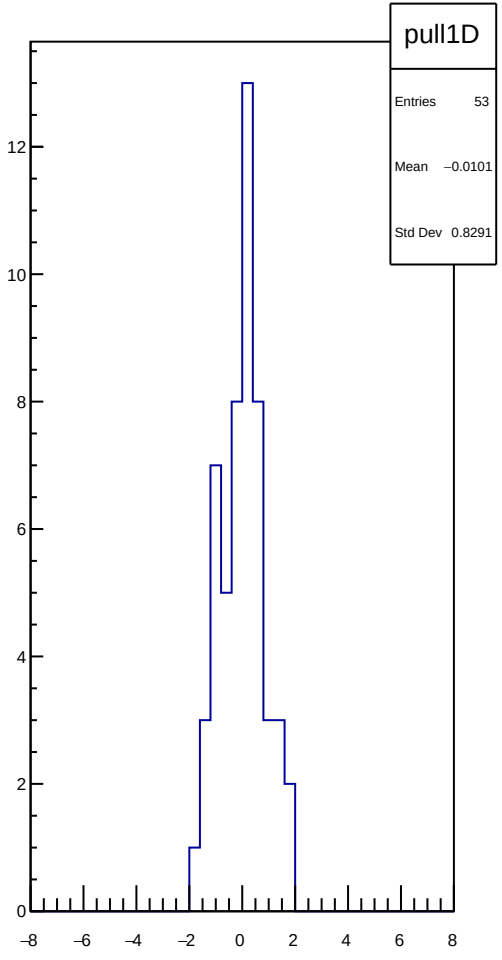

reg_asym_atr_dd_diff_bpm11X_slope vs run
χ² / ndf 4.394 / 52
p0 315.1 ± 0.4919
322
320
318
316
314
312
310
308
pull
Entries 53
Mean −268
Std Dev 294.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

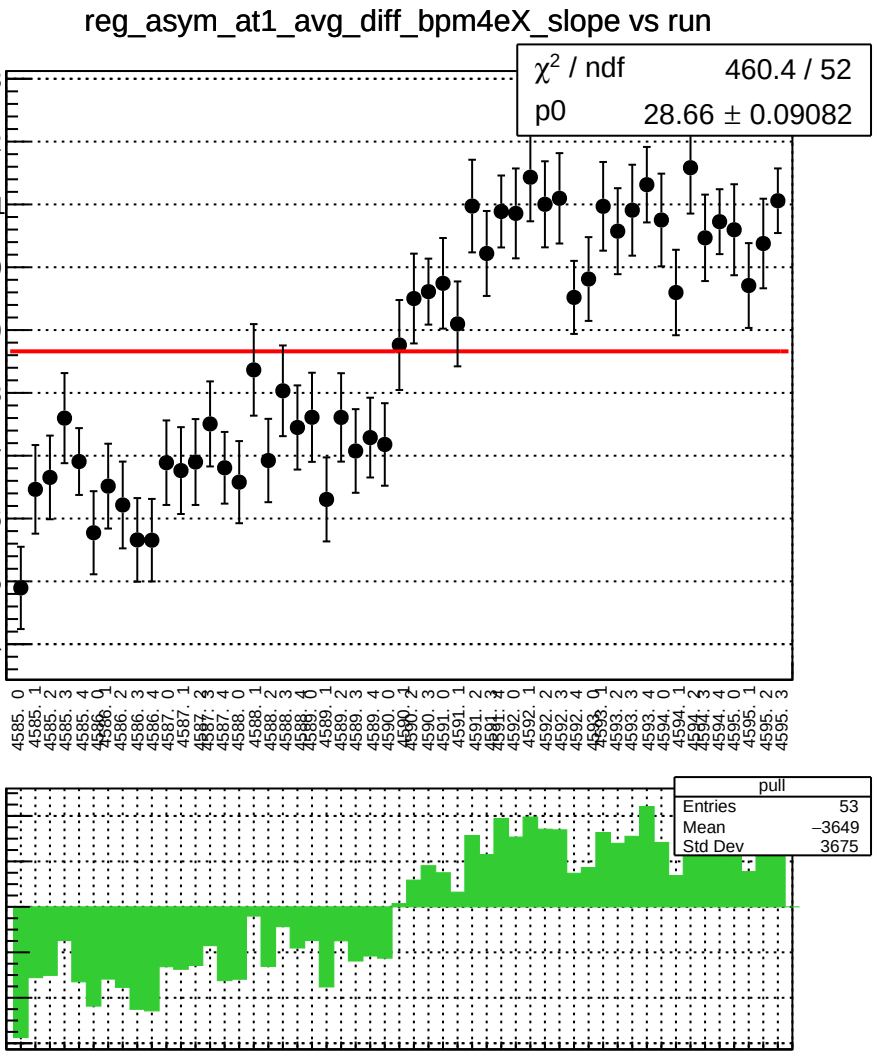

pull1D
Entries 53
Mean −0.01046
Std Dev 0.2877
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

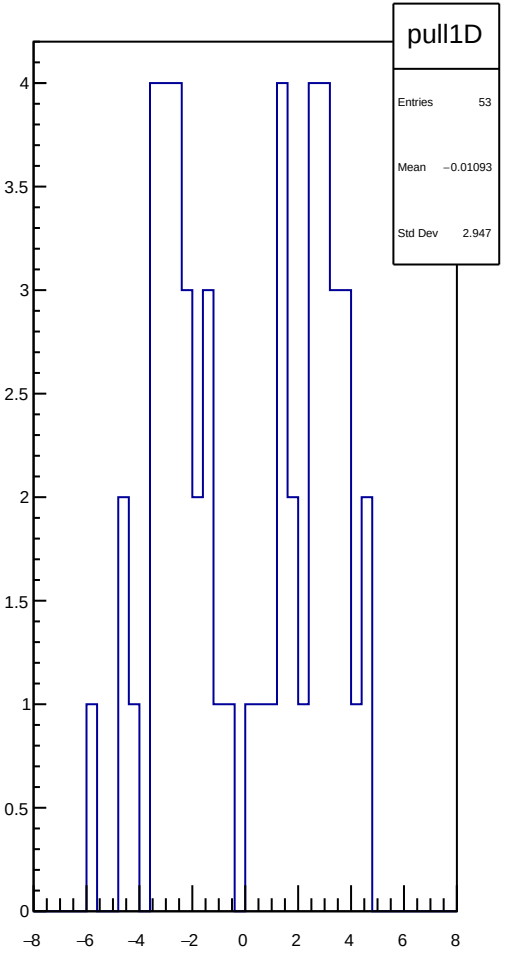

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 37 / 52
p0 −6.756 ± 0.4515
pull
Entries 53
Mean −91.66
Std Dev 125.8

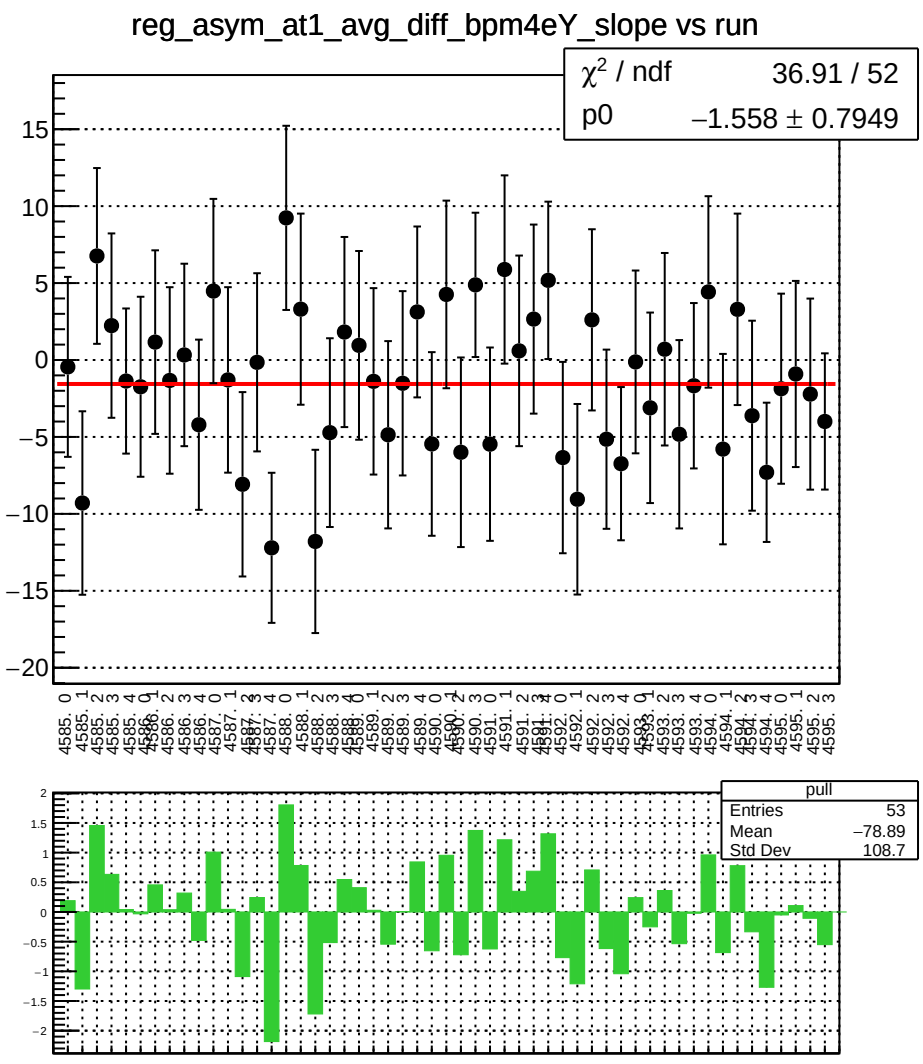

pull1D
Entries 53
Mean 0.007635
Std Dev 0.8355

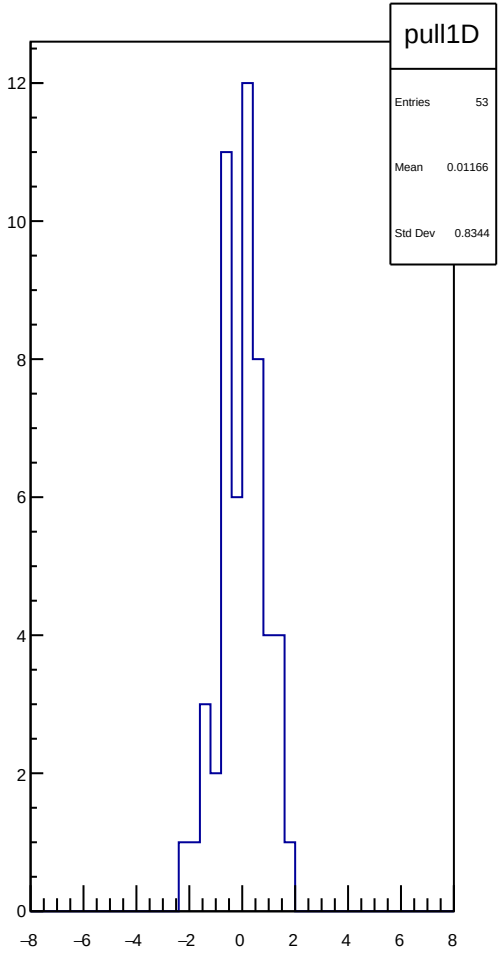

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.44 / 52
p0 2.221 ± 0.5851
pull
Entries 53
Mean 66.17
Std Dev 47.94

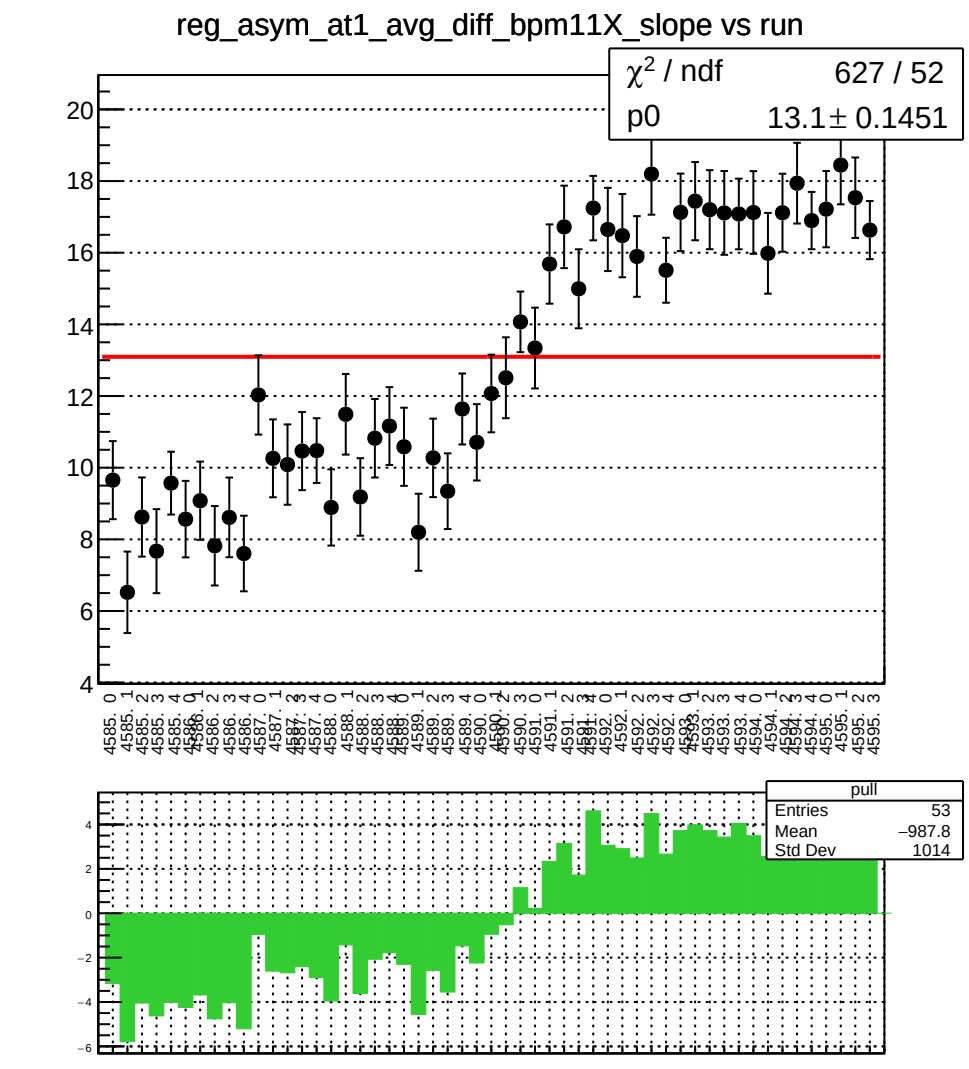

pull1D
Entries 53
Mean −0.0101
Std Dev 0.8291

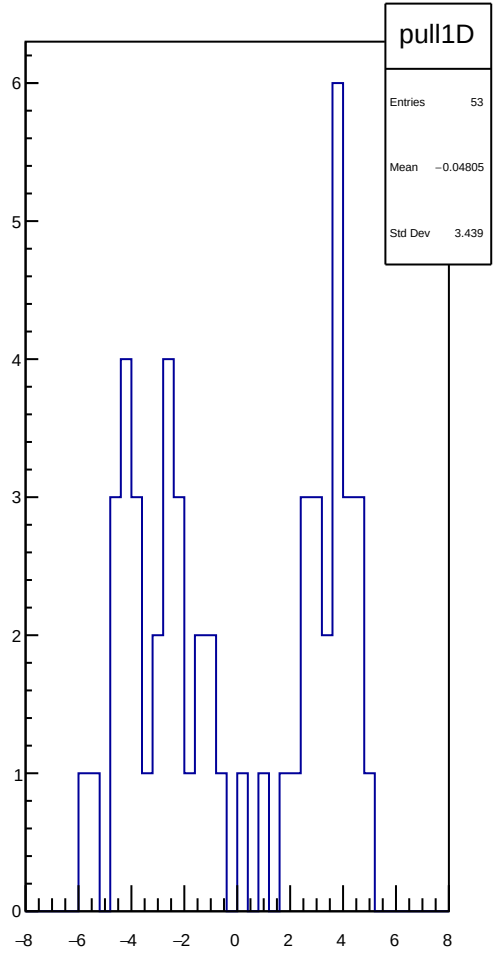

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 460.4 / 52
p0 28.66 ± 0.09082
pull
Entries 53
Mean −3649
Std Dev 3675

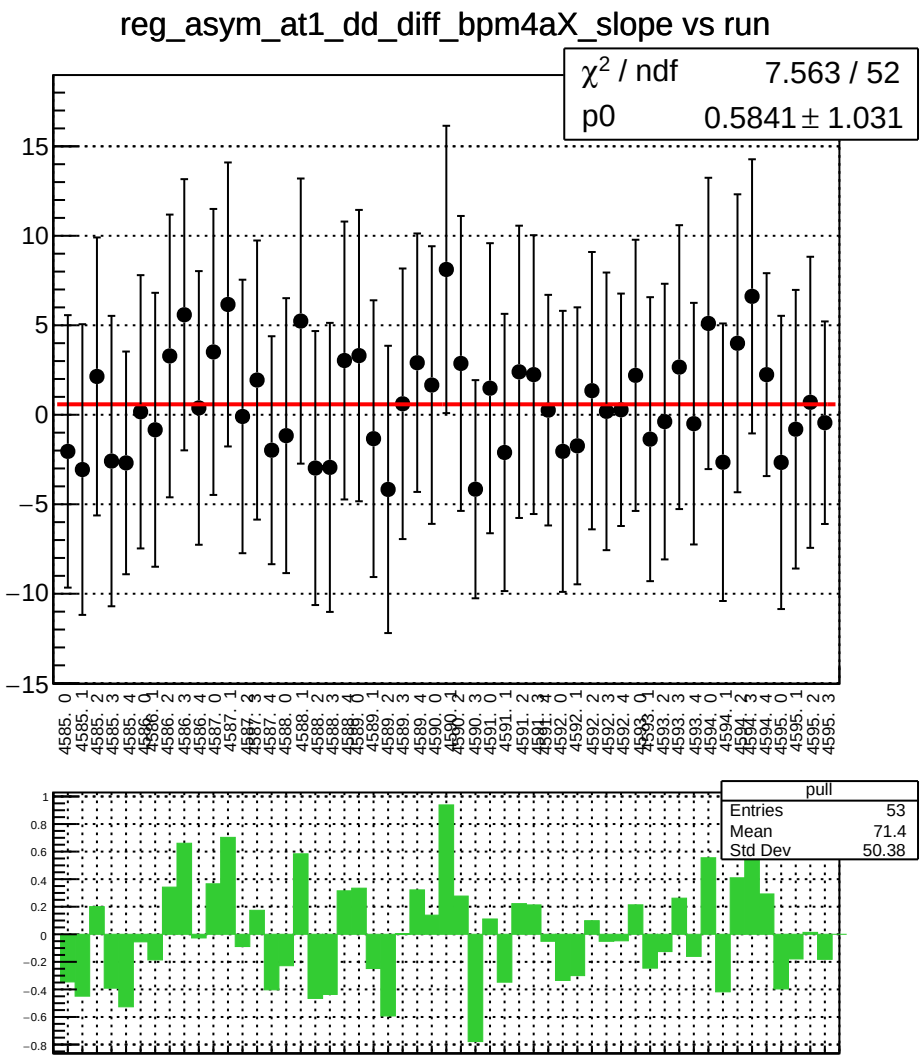

pull1D
Entries 53
Mean −0.01093
Std Dev 2.947

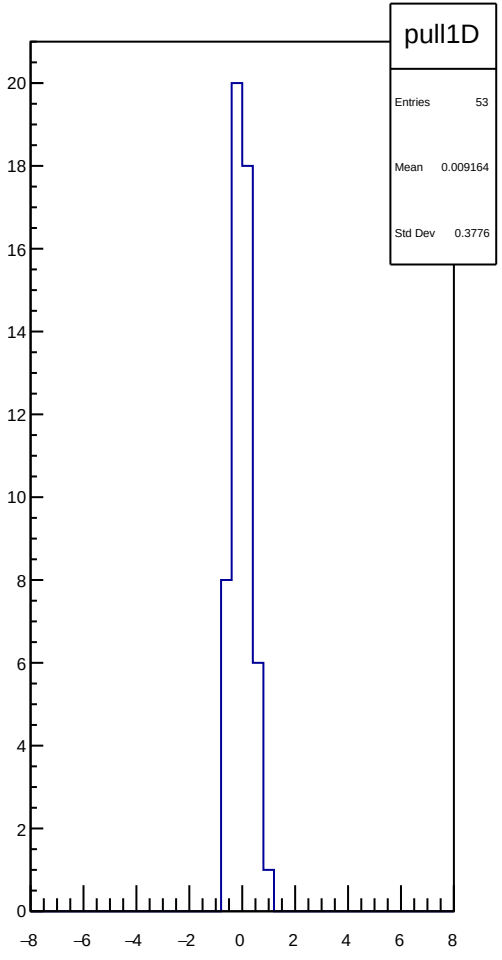

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.91 / 52
p0 −1.558 ± 0.7949
pull
Entries 53
Mean −78.89
Std Dev 108.7

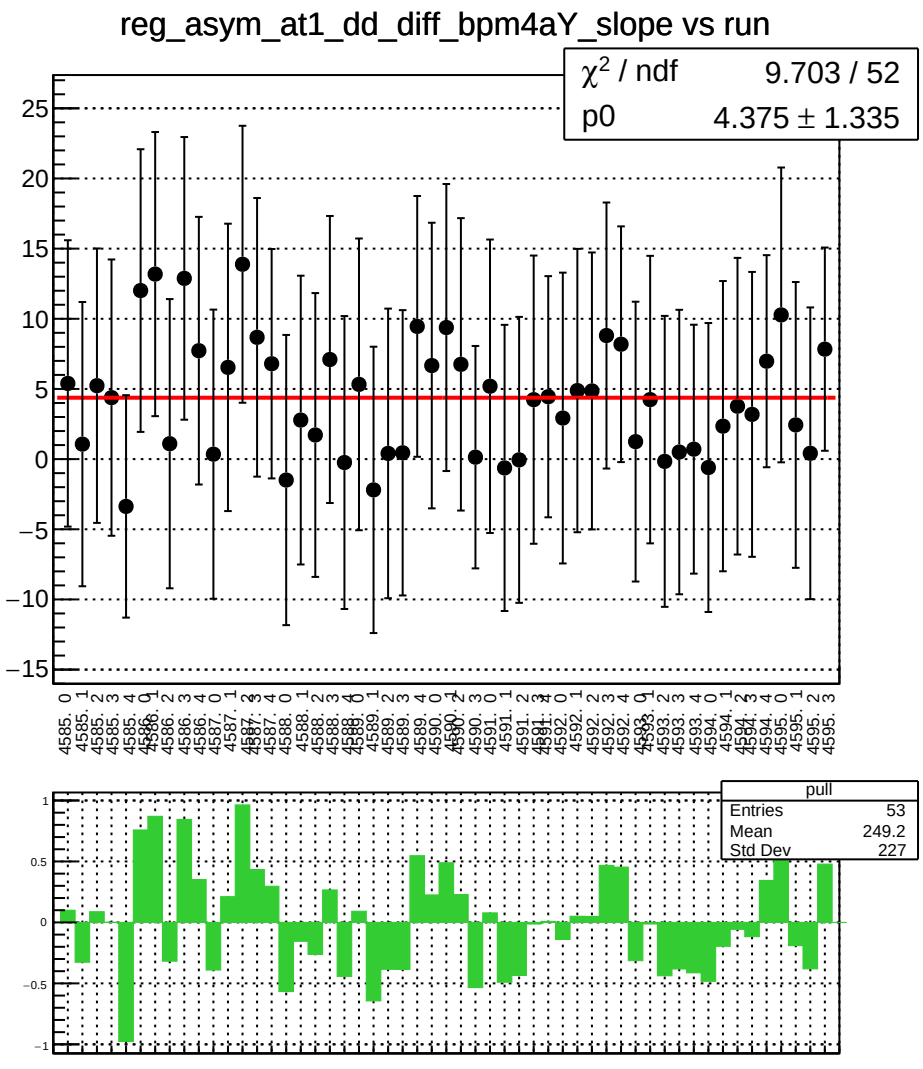

pull1D
Entries 53
Mean 0.01166
Std Dev 0.8344

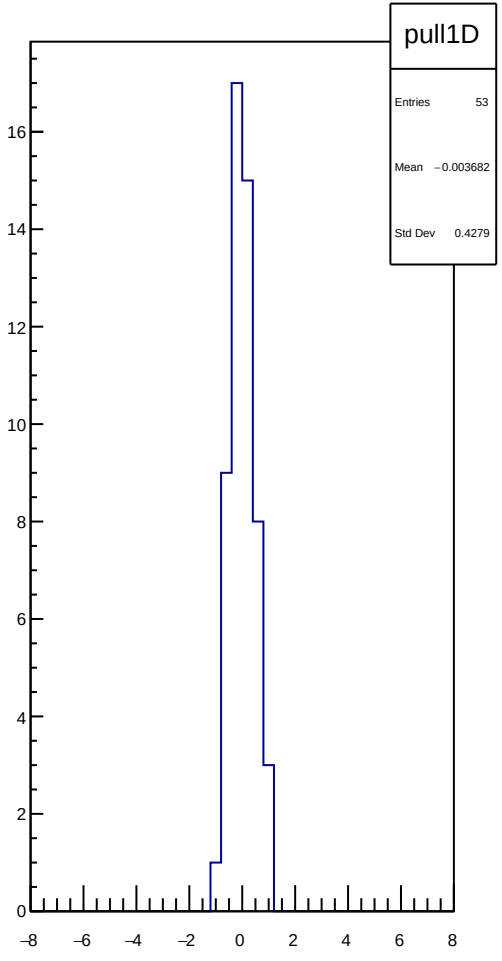

reg_asym_at1_avg_diff_bpm11X_slope vs run
χ² / ndf 627 / 52
p0 13.1 ± 0.1451
pull
Entries 53
Mean −987.8
Std Dev 1014

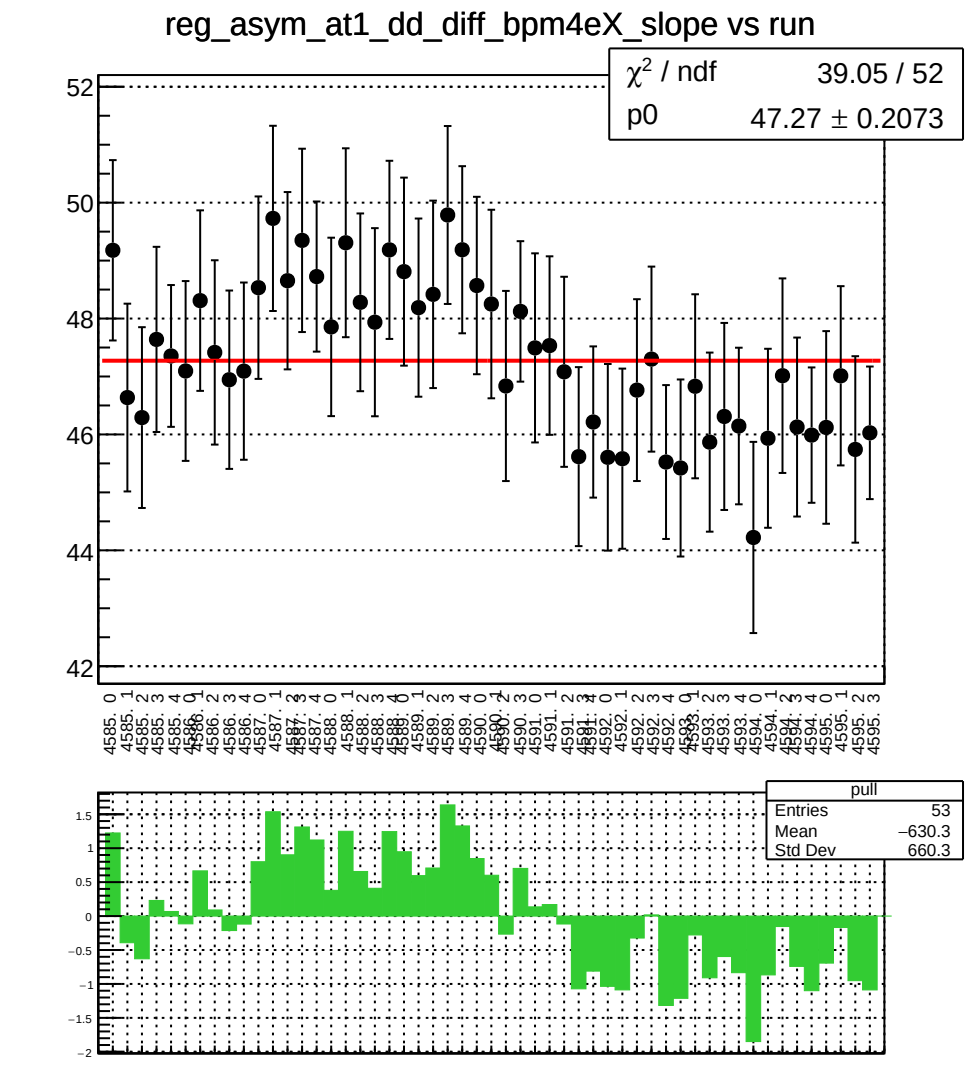

pull1D
Entries 53
Mean −0.04805
Std Dev 3.439

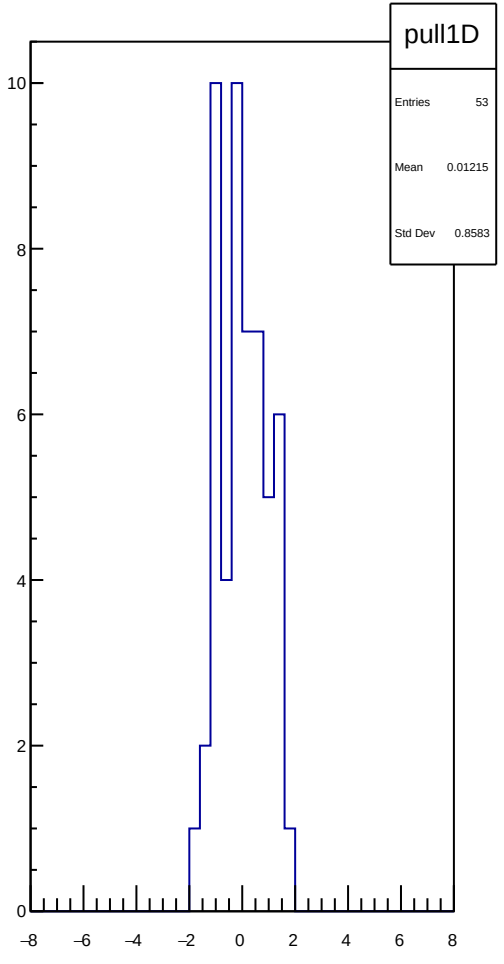

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.563 / 52
p0 0.5841 ± 1.031
pull
Entries 53
Mean 71.4
Std Dev 50.38

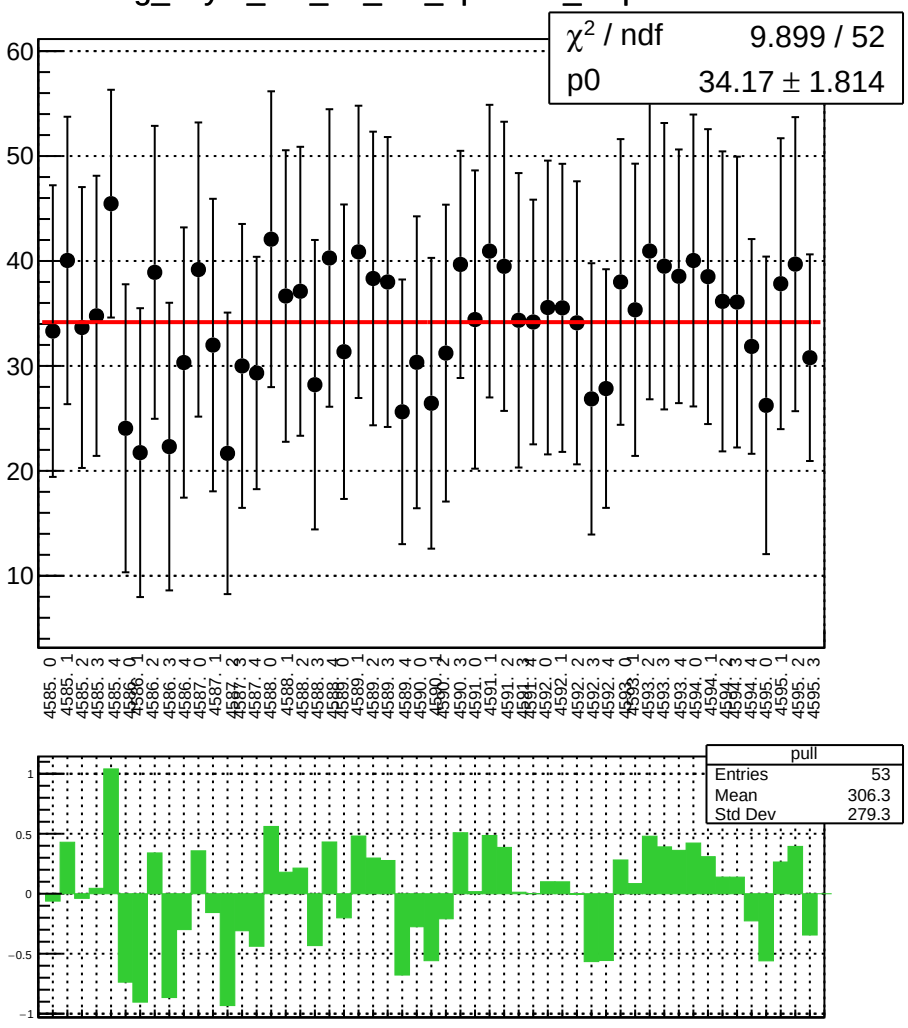

pull1D
Entries 53
Mean 0.009164
Std Dev 0.3776

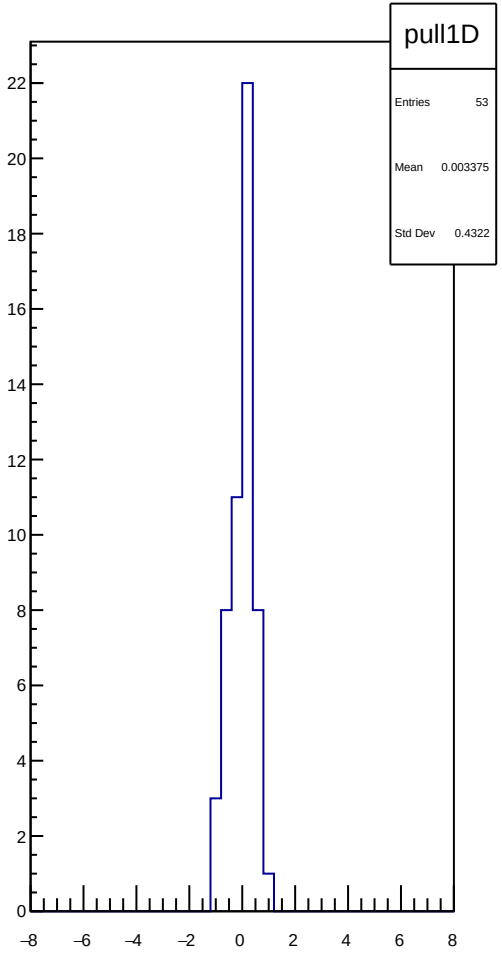

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.703 / 52
p0 4.375 ± 1.335
pull
Entries 53
Mean 249.2
Std Dev 227

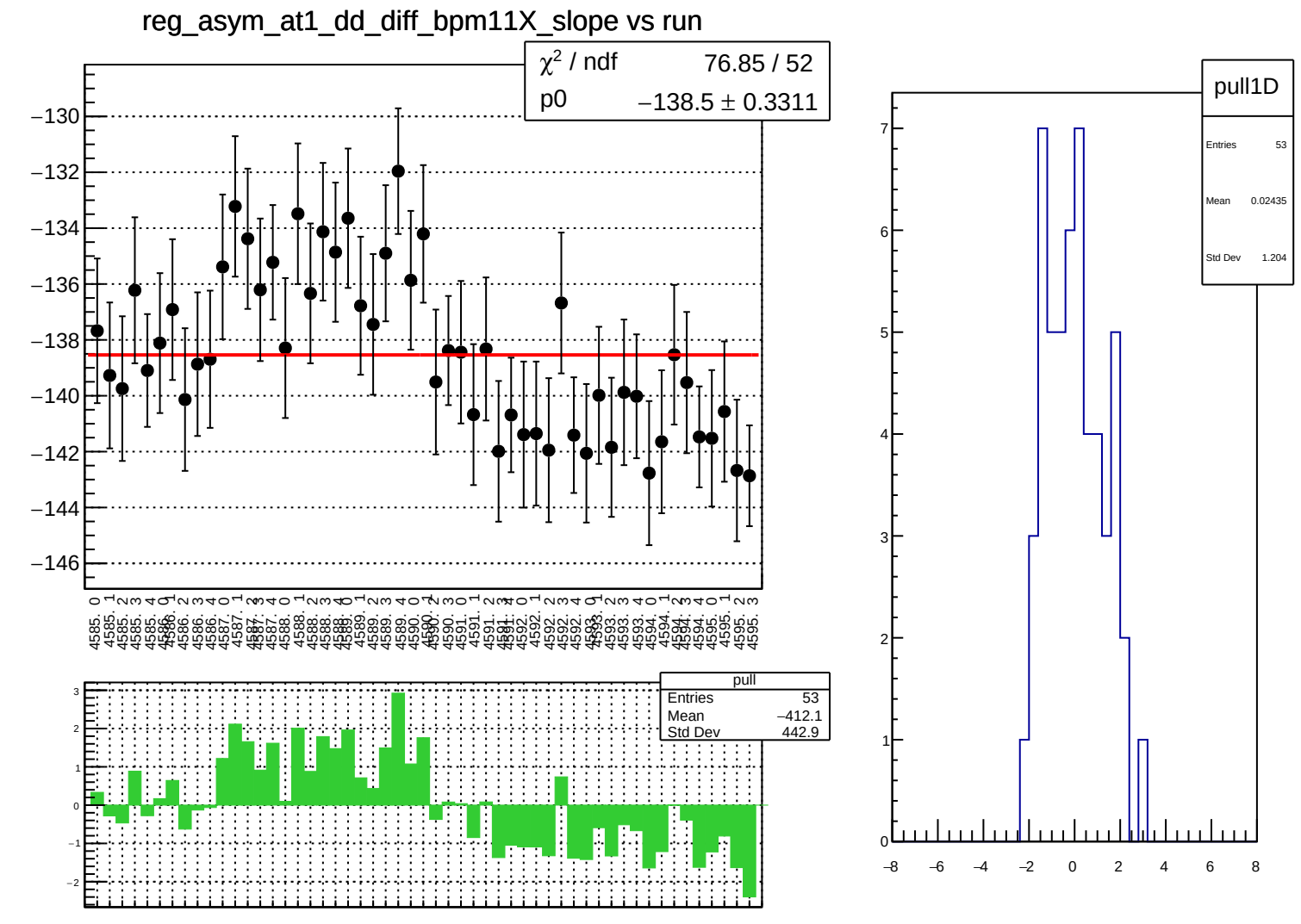

pull1D
Entries 53
Mean −0.003682
Std Dev 0.4279

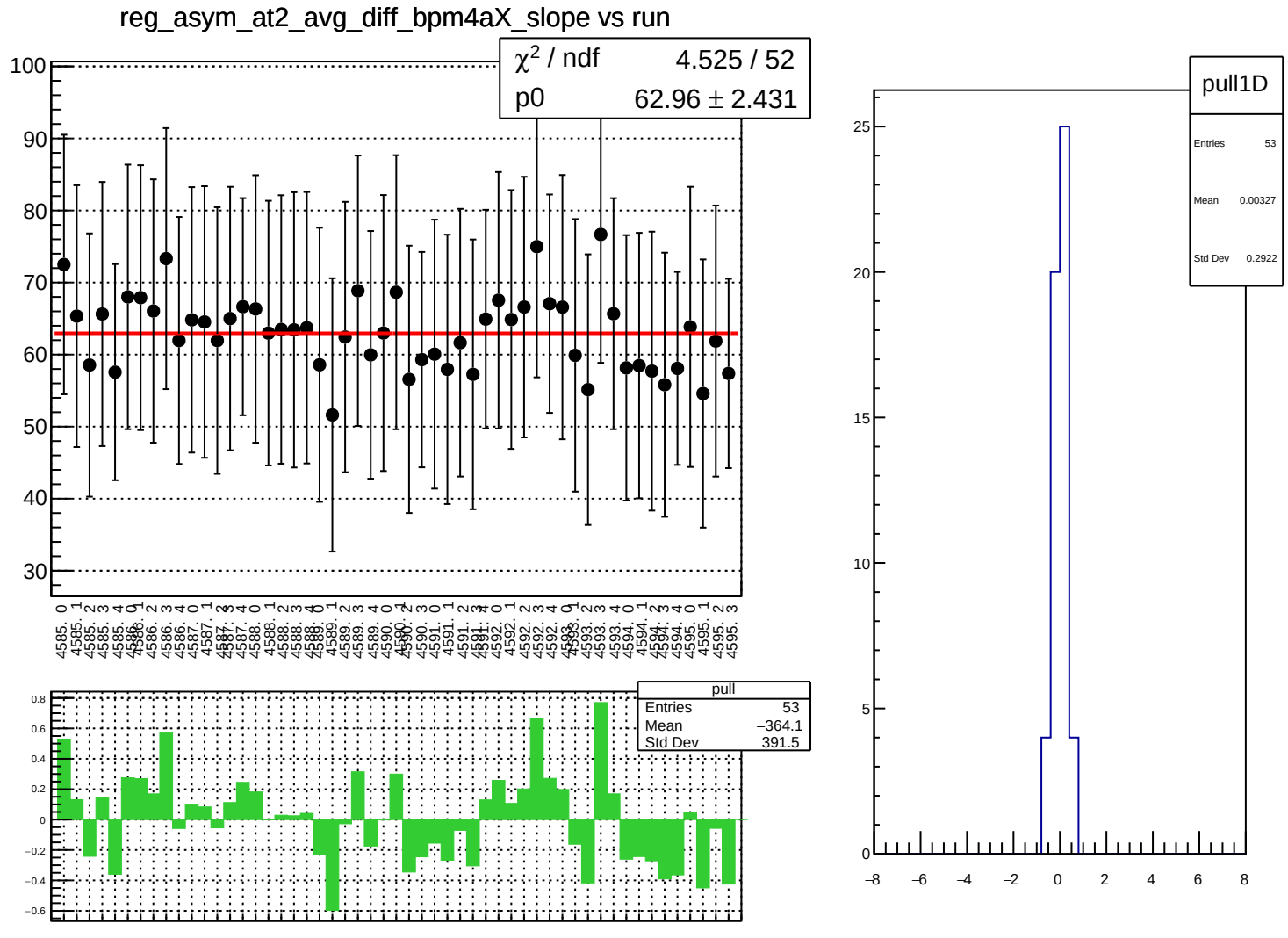

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.05 / 52
p0 47.27 ± 0.2073
pull
Entries 53
Mean −630.3
Std Dev 660.3

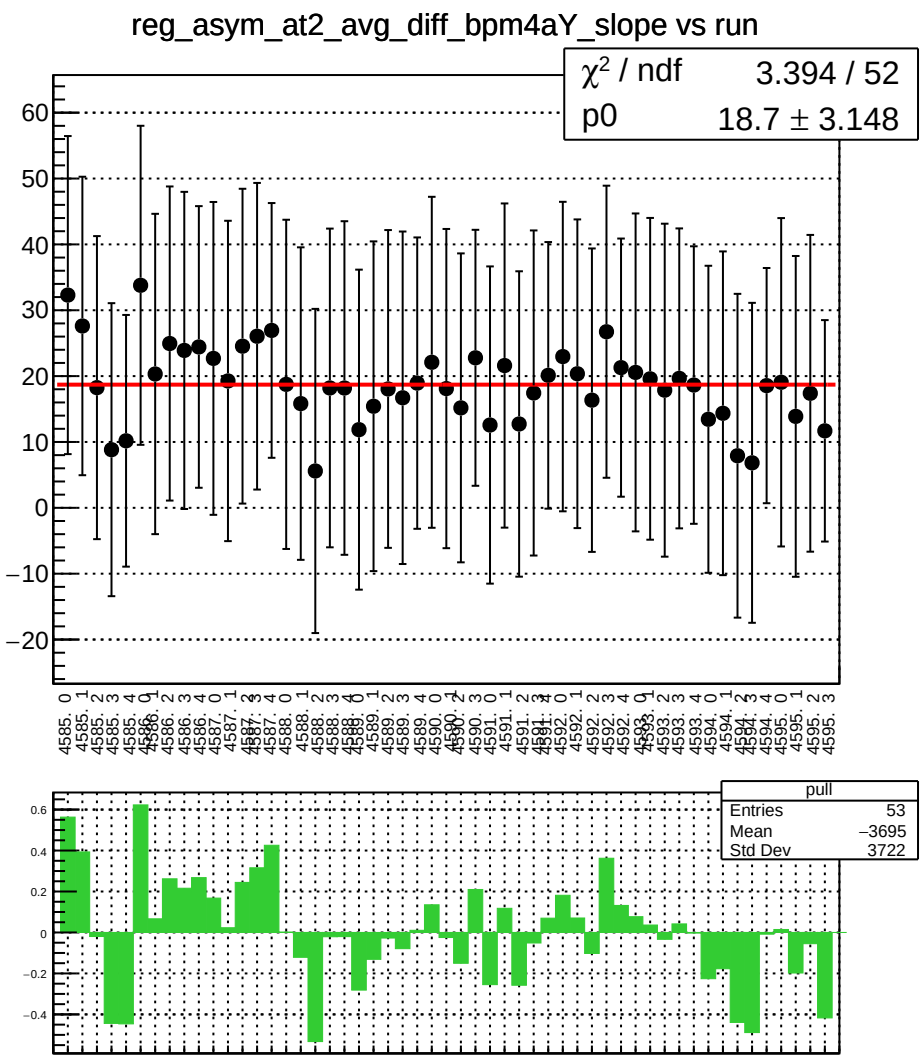

pull1D
Entries 53
Mean 0.01215
Std Dev 0.8583

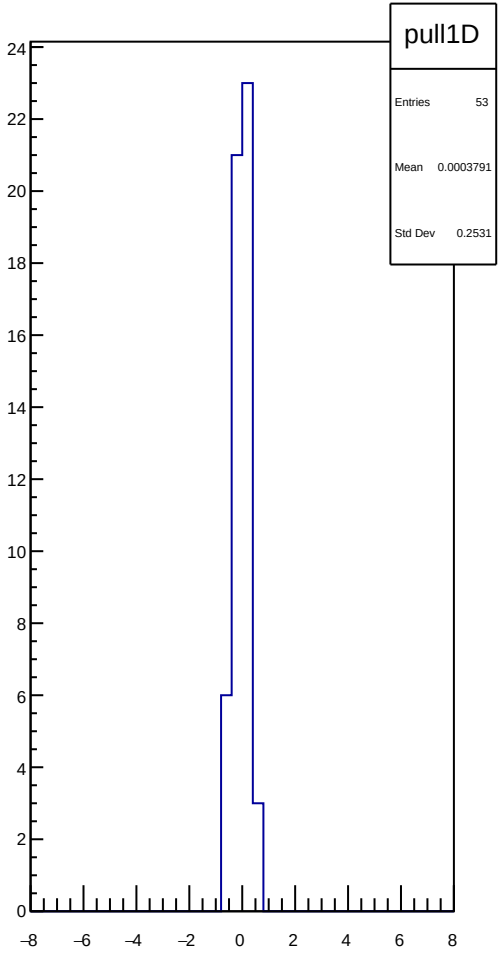

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.899 / 52
p0 34.17 ± 1.814
pull
Entries 53
Mean 306.3
Std Dev 279.3

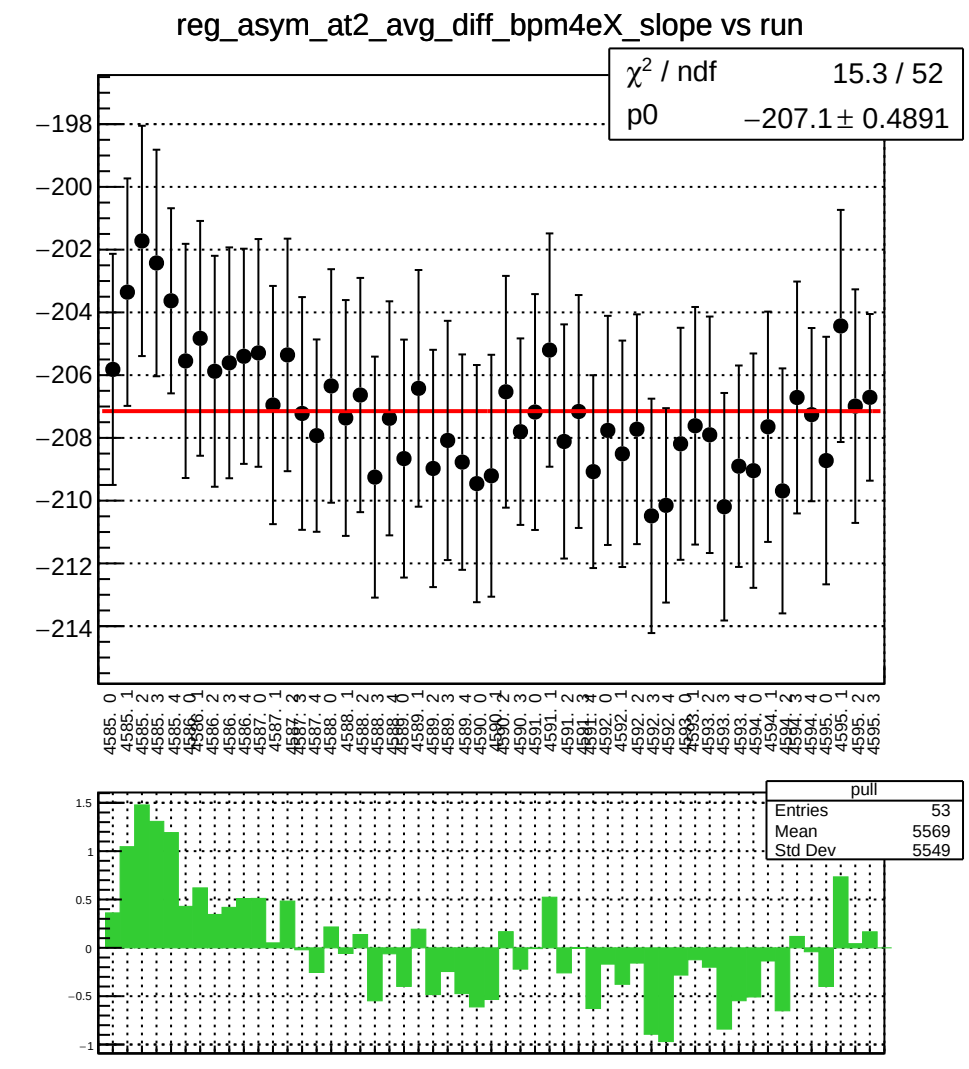

pull1D
Entries 53
Mean 0.003375
Std Dev 0.4322

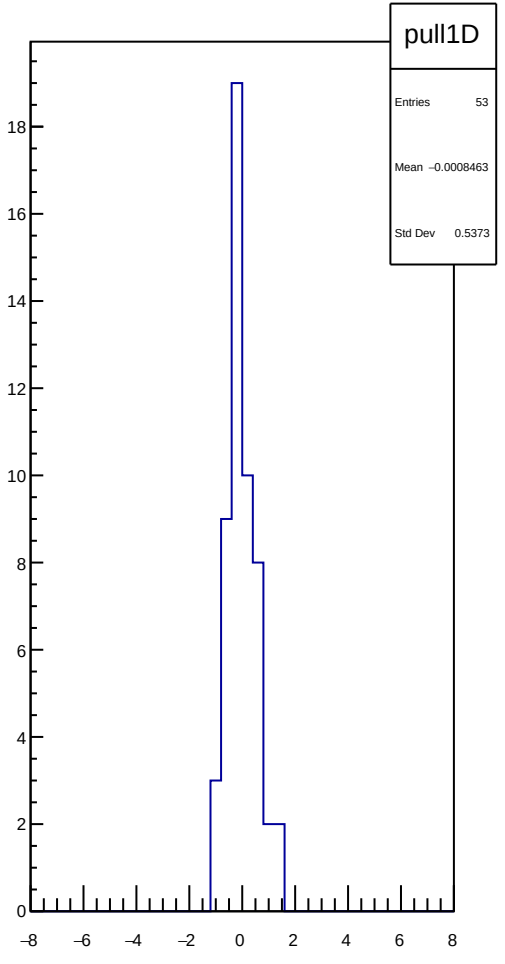

reg_asym_at1_dd_diff_bpm11X_slope vs run
χ² / ndf 76.85 / 52
p0 −138.5 ± 0.3311
pull
Entries 53
Mean −412.1
Std Dev 442.9
pull1D
Entries 53
Mean 0.02435
Std Dev 1.204

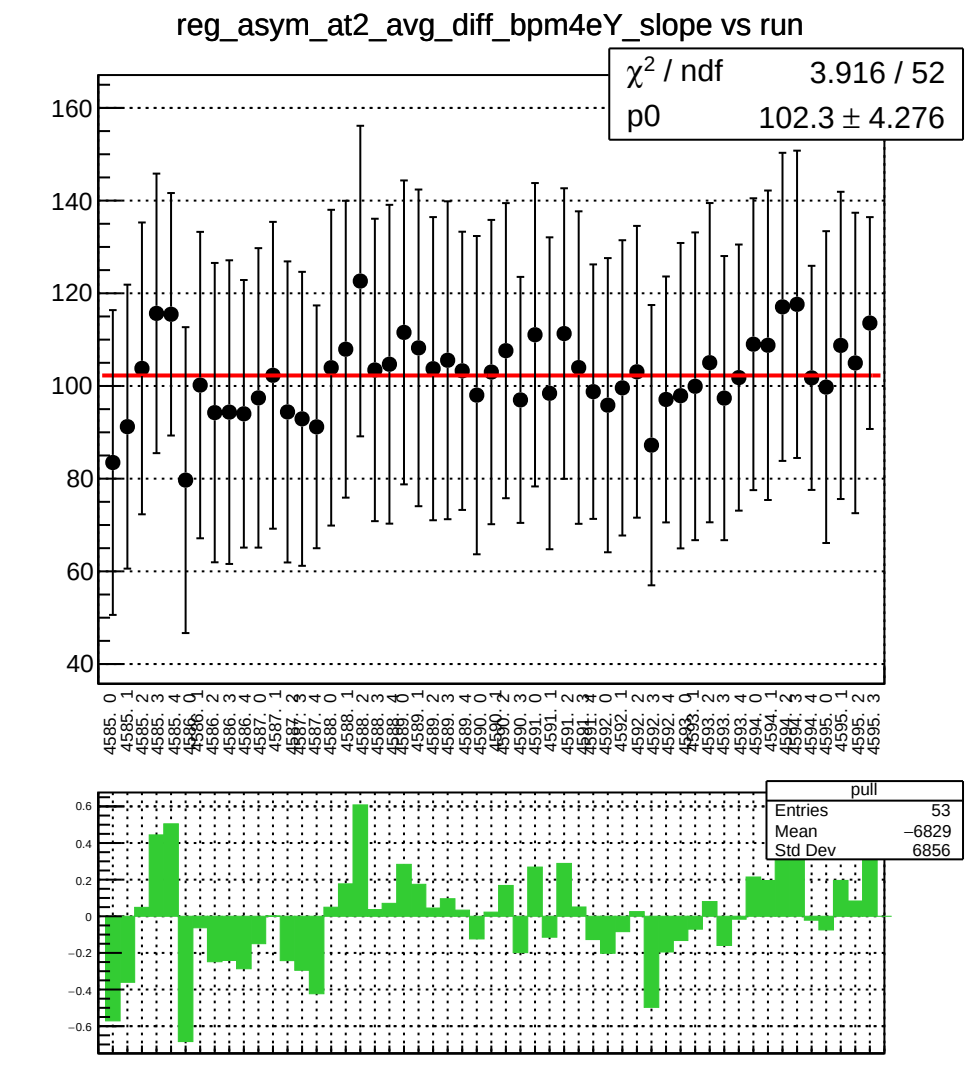

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 4.525 / 52
p0 62.96 ± 2.431
pull
Entries 53
Mean −364.1
Std Dev 391.5
pull1D
Entries 53
Mean 0.00327
Std Dev 0.2922

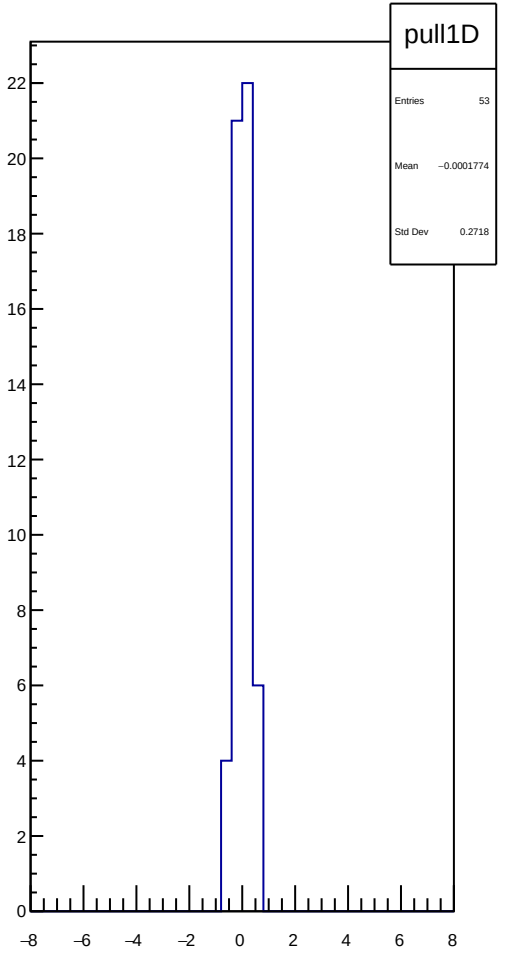

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.394 / 52
p0 18.7 ± 3.148
pull
Entries 53
Mean −3695
Std Dev 3722

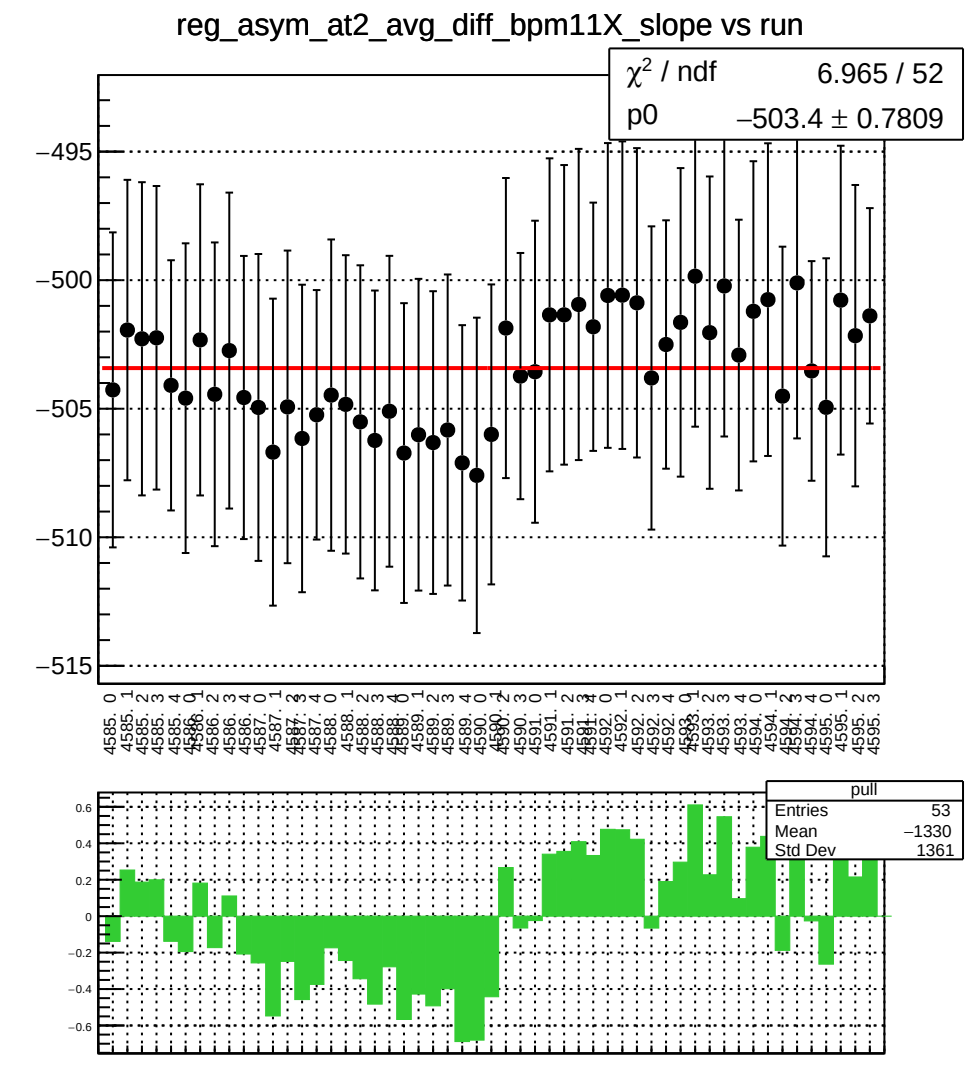

pull1D
Entries 53
Mean 0.0003791
Std Dev 0.2531

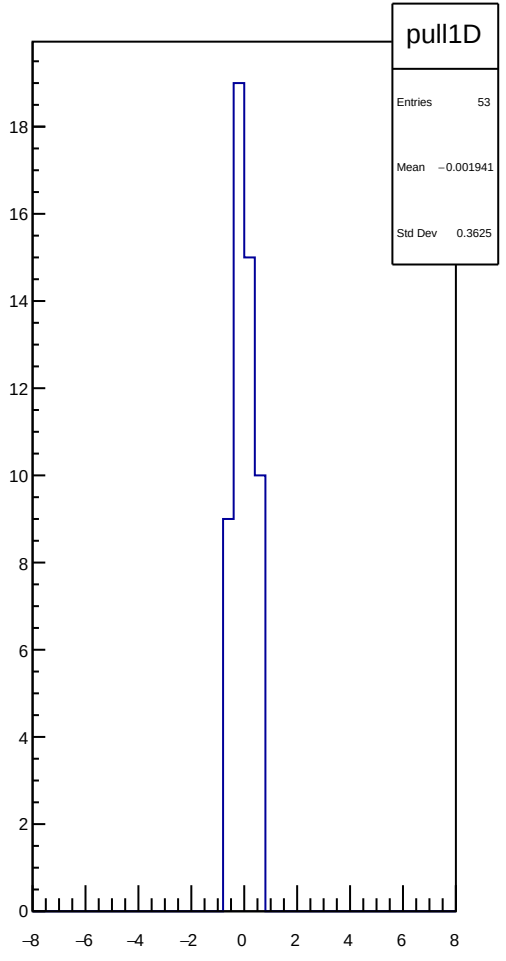

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.3 / 52
p0 −207.1 ± 0.4891
pull
Entries 53
Mean 5569
Std Dev 5549

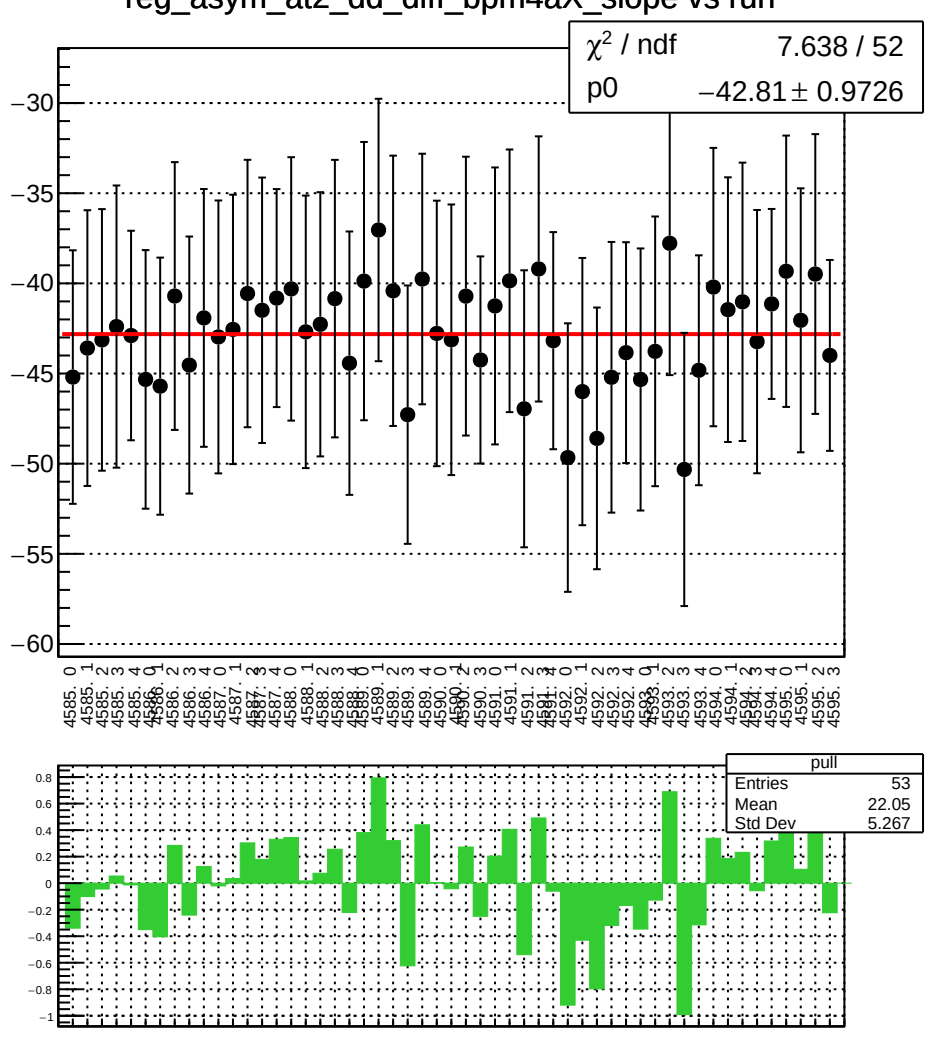

pull1D
Entries 53
Mean −0.0008463
Std Dev 0.5373

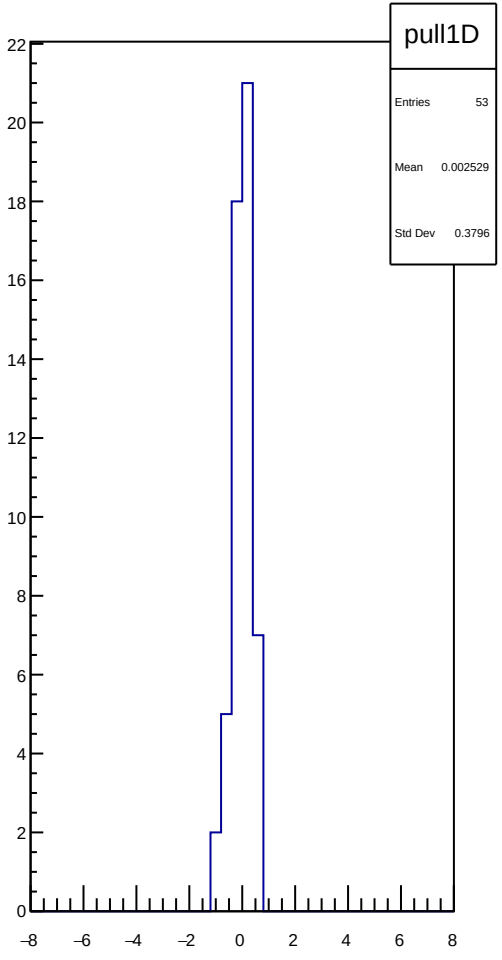

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.916 / 52
p0 102.3 ± 4.276
160
140
120
100
80
60
40
pull
Entries 53
Mean −6829
Std Dev 6856
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

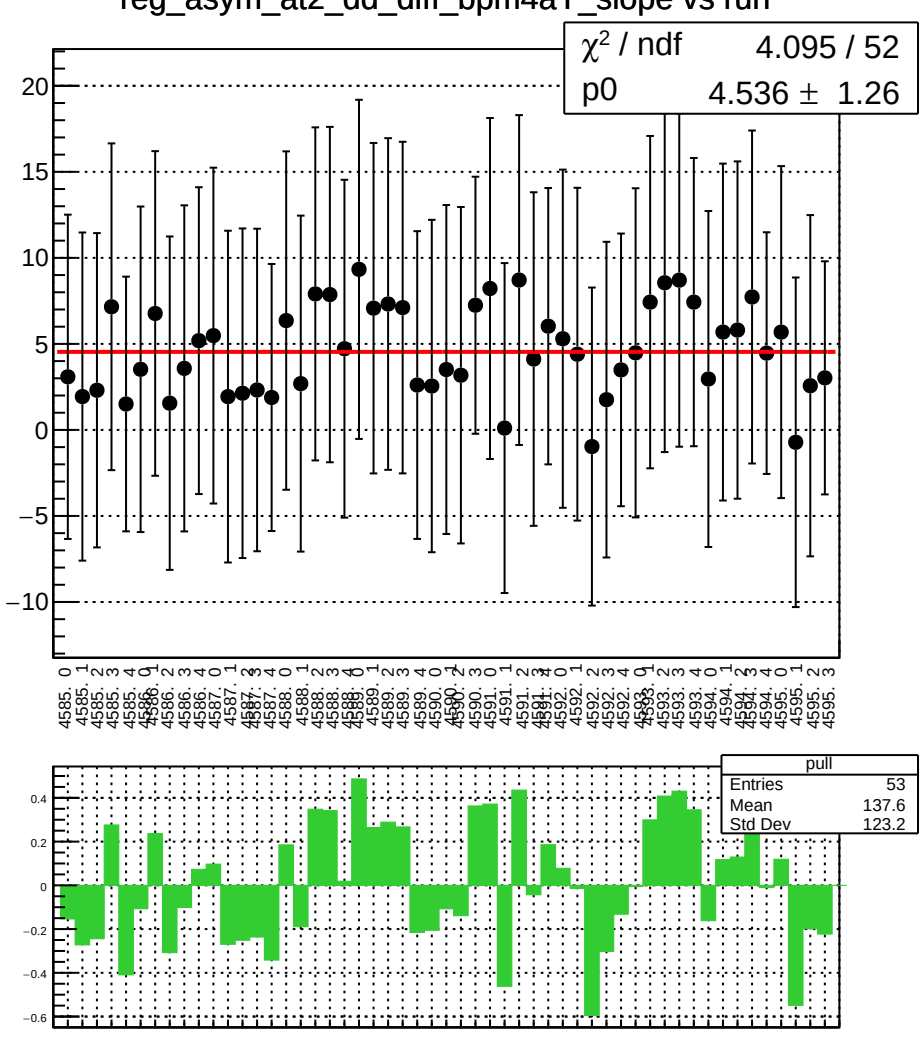

pull1D
Entries 53
Mean −0.0001774
Std Dev 0.2718
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

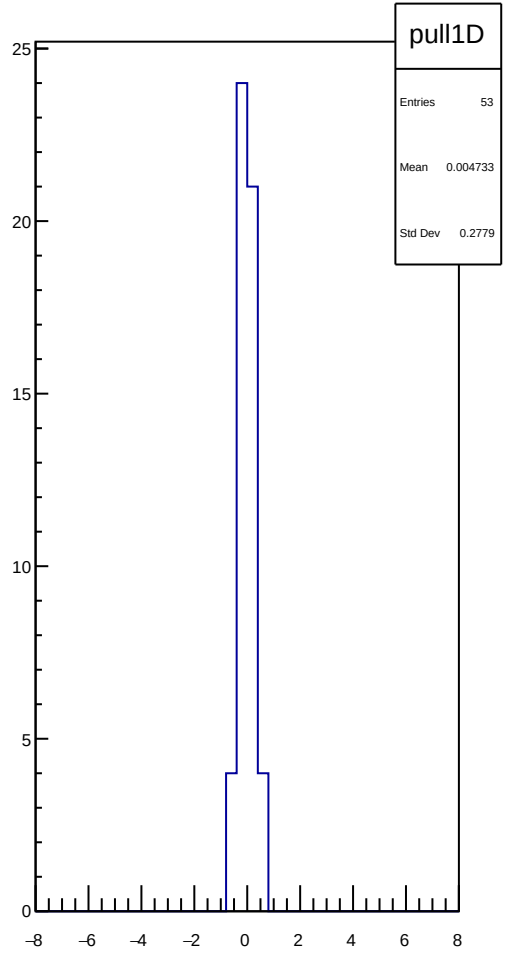

reg_asym_at2_avg_diff_bpm11X_slope vs run
χ² / ndf 6.965 / 52
p0 −503.4 ± 0.7809
−495
−500
−505
−510
−515
pull
Entries 53
Mean −1330
Std Dev 1361
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

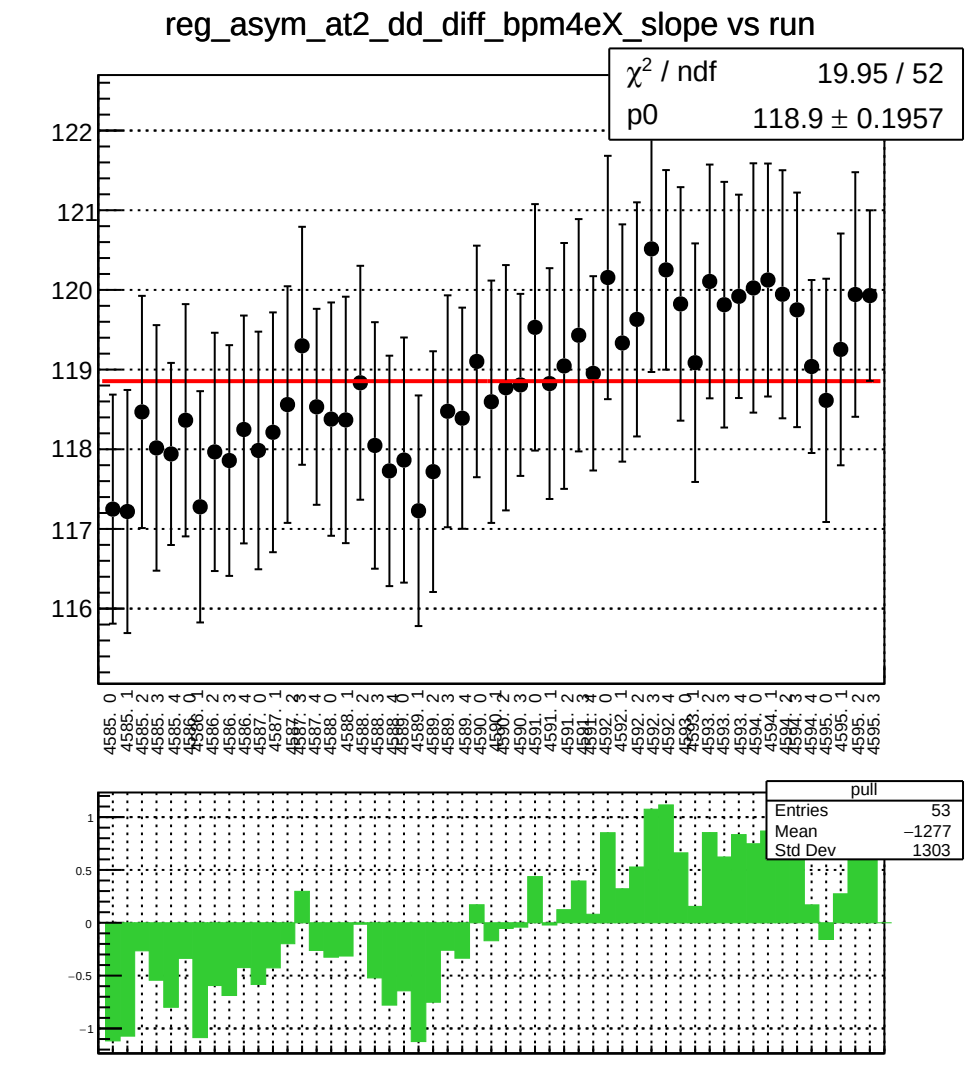

pull1D
Entries 53
Mean −0.001941
Std Dev 0.3625
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

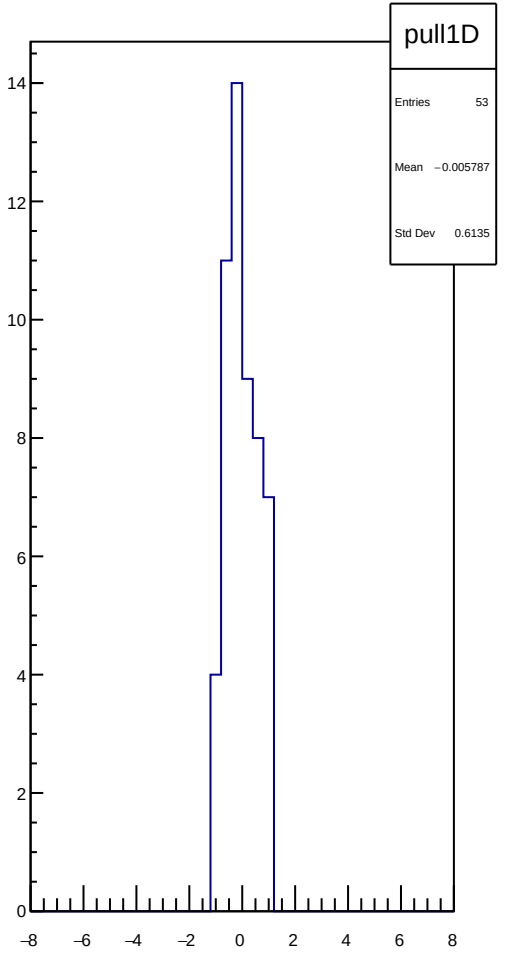

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.638 / 52
p0 −42.81 ± 0.9726
pull
Entries 53
Mean 22.05
Std Dev 5.267

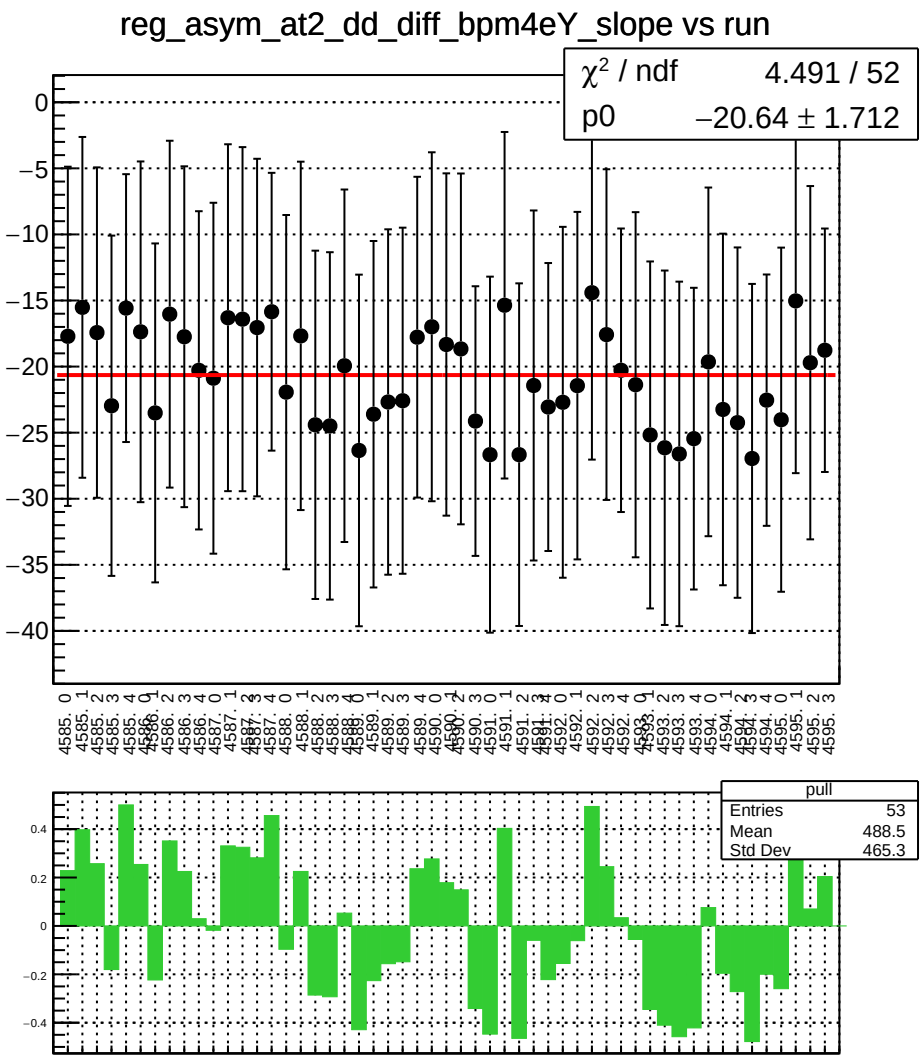

pull1D
Entries 53
Mean 0.002529
Std Dev 0.3796

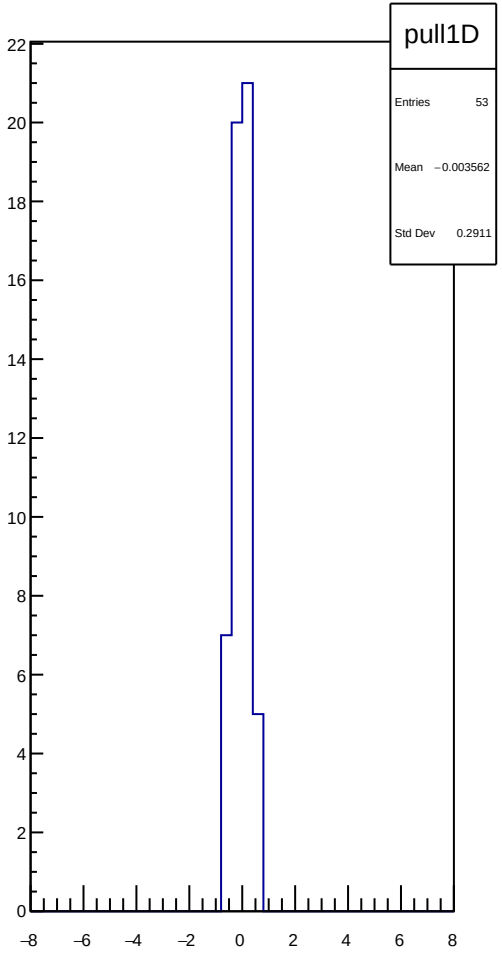

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.095 / 52
p0 4.536 ± 1.26
pull
Entries 53
Mean 137.6
Std Dev 123.2

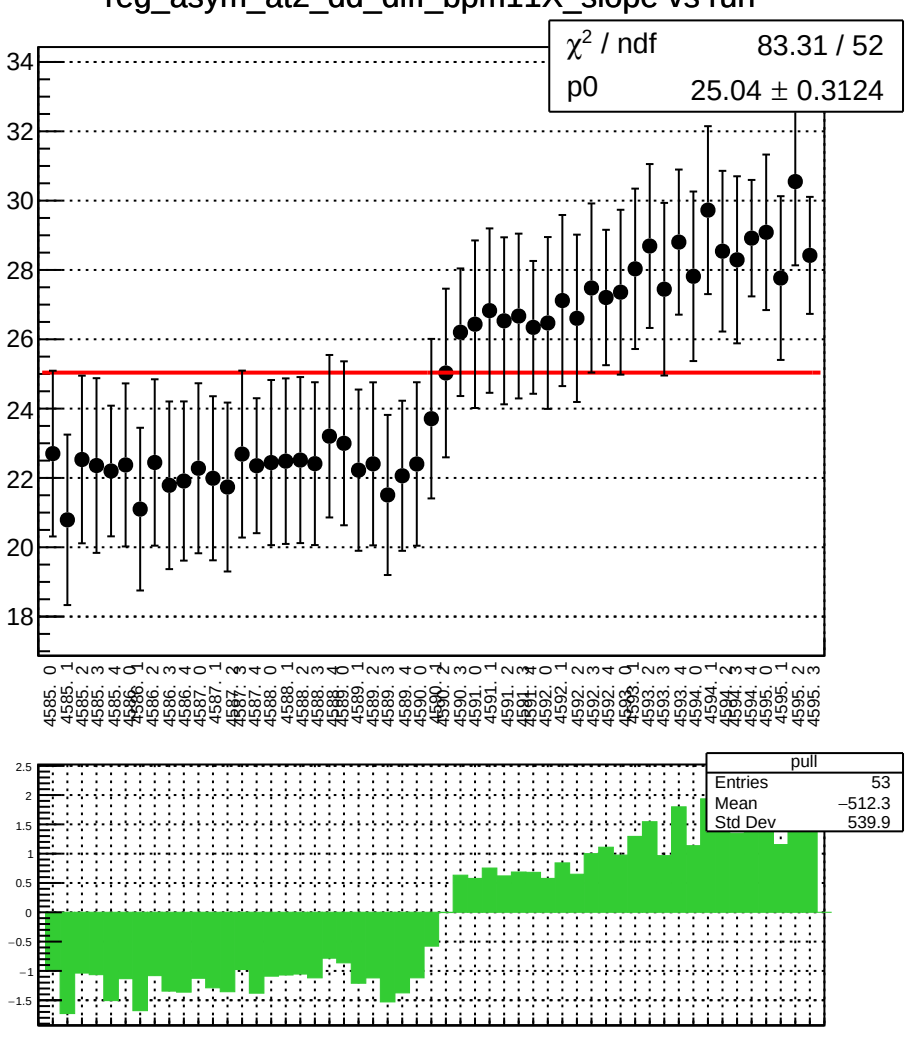

pull1D
Entries 53
Mean 0.004733
Std Dev 0.2779

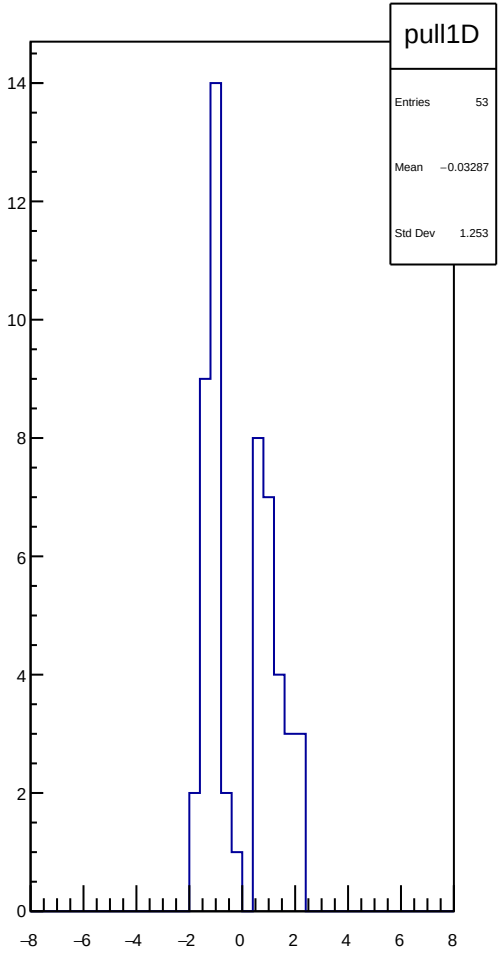

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.95 / 52
p0 118.9 ± 0.1957
122
121
120
119
118
117
116
pull
Entries 53
Mean −1277
Std Dev 1303
1
0.5
0
−0.5
−1

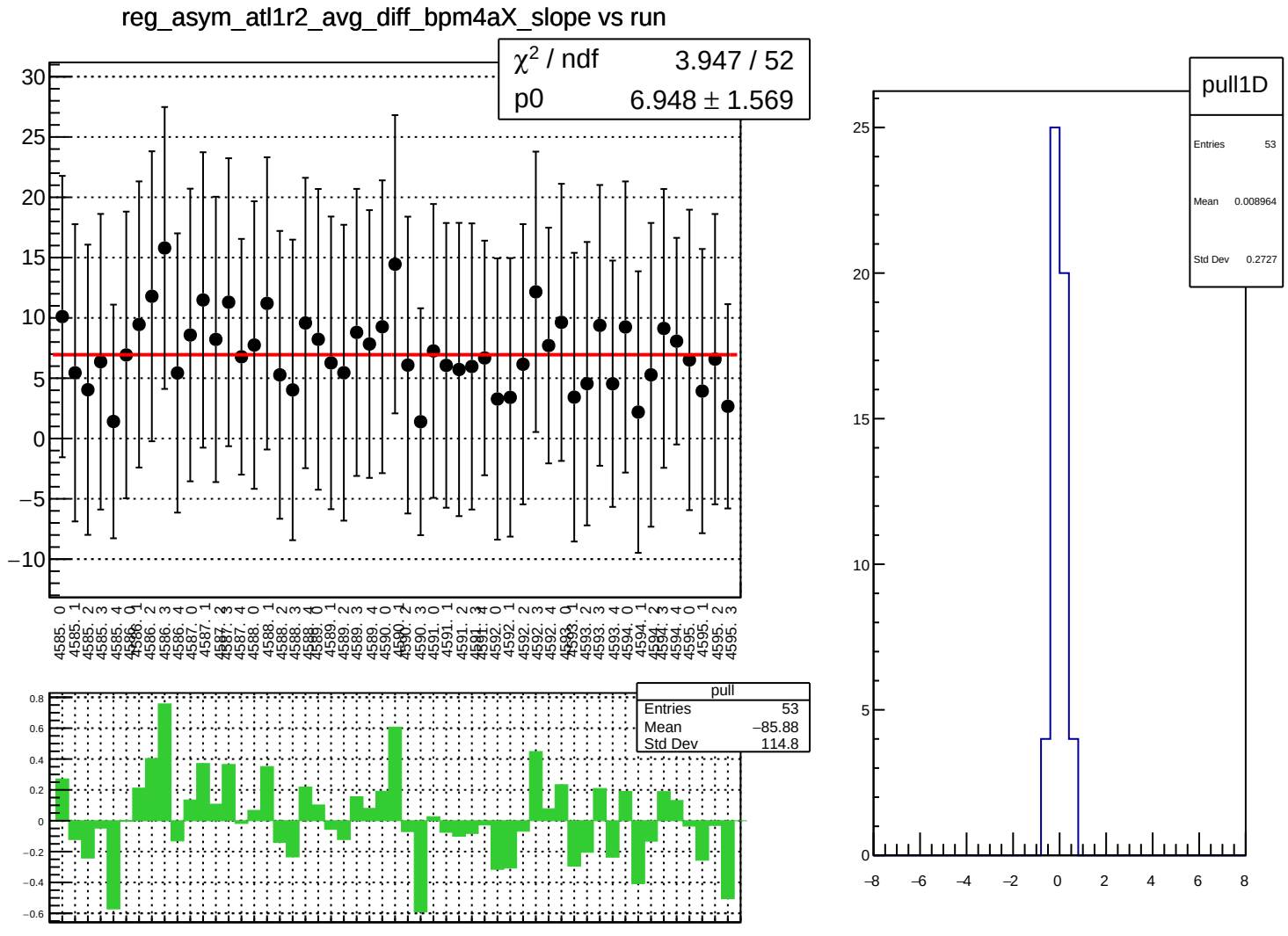

pull1D
Entries 53
Mean −0.005787
Std Dev 0.6135
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

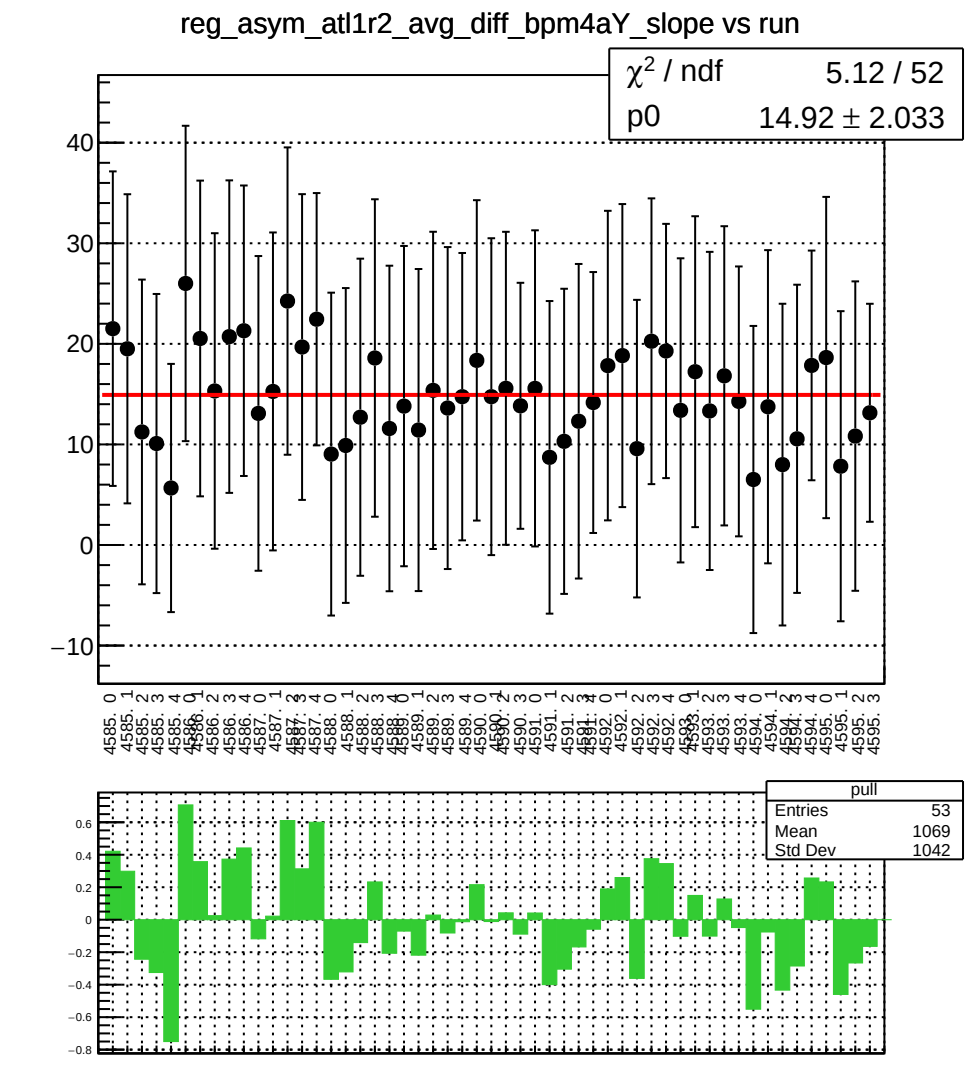

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.491 / 52
p0 −20.64 ± 1.712
pull
Entries 53
Mean 488.5
Std Dev 465.3

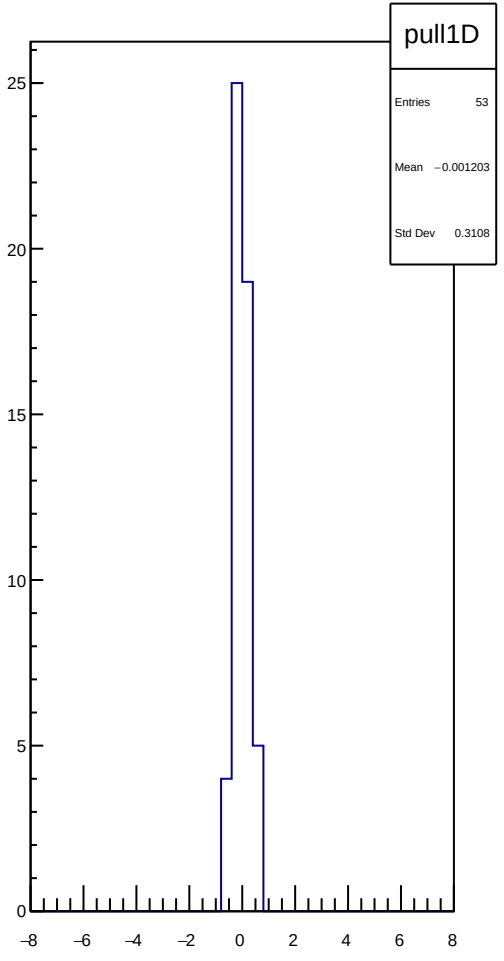

pull1D
Entries 53
Mean −0.003562
Std Dev 0.2911

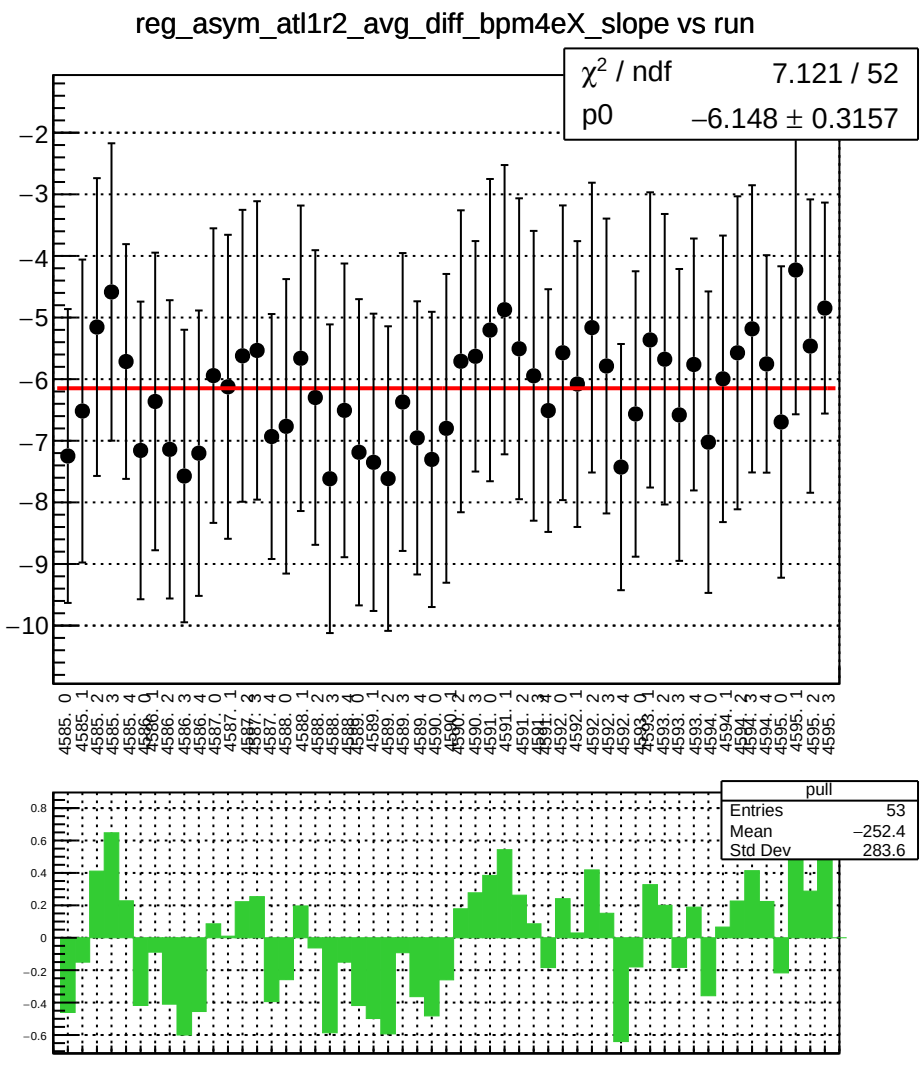

reg_asym_at2_dd_diff_bpm11X_slope vs run
χ² / ndf 83.31 / 52
p0 25.04 ± 0.3124
pull
Entries 53
Mean −512.3
Std Dev 539.9

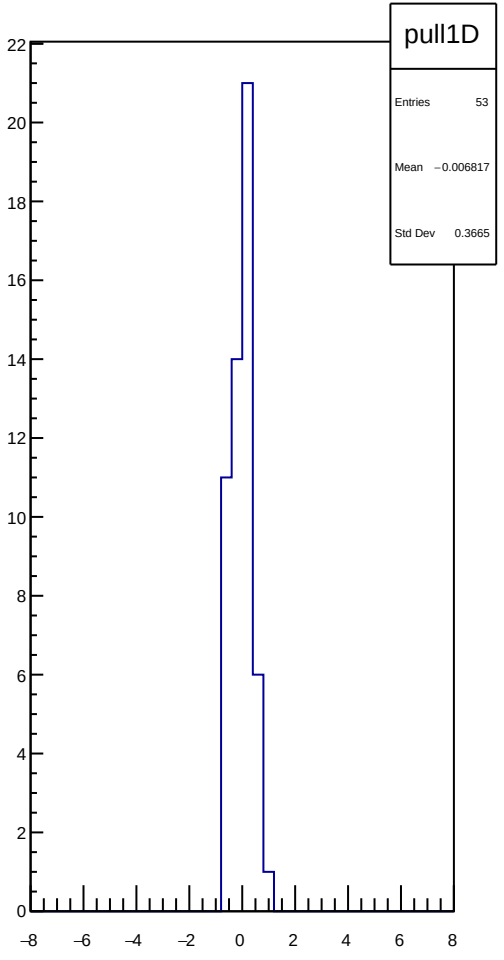

pull1D
Entries 53
Mean −0.03287
Std Dev 1.253

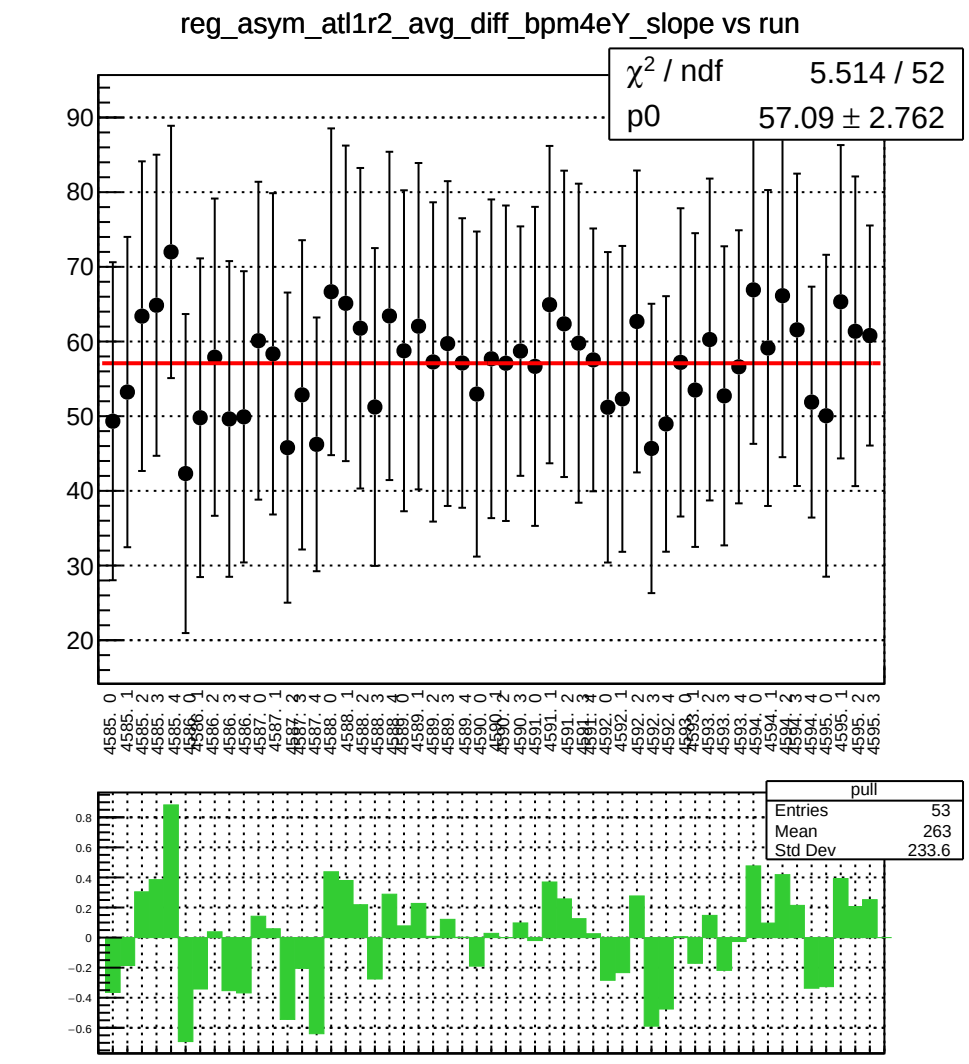

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.947 / 52
p0 6.948 ± 1.569
pull
Entries 53
Mean −85.88
Std Dev 114.8
pull1D
Entries 53
Mean 0.008964
Std Dev 0.2727

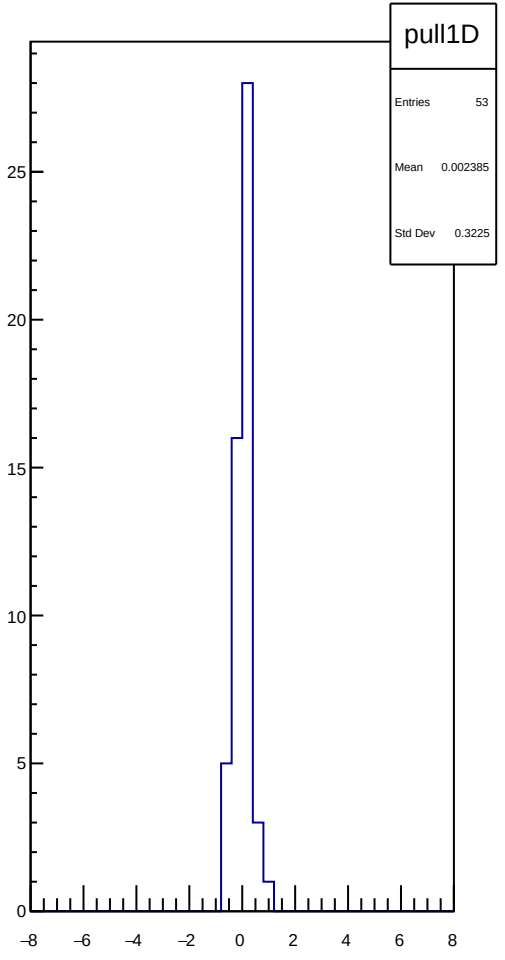

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.12 / 52
p0 14.92 ± 2.033
pull
Entries 53
Mean 1069
Std Dev 1042

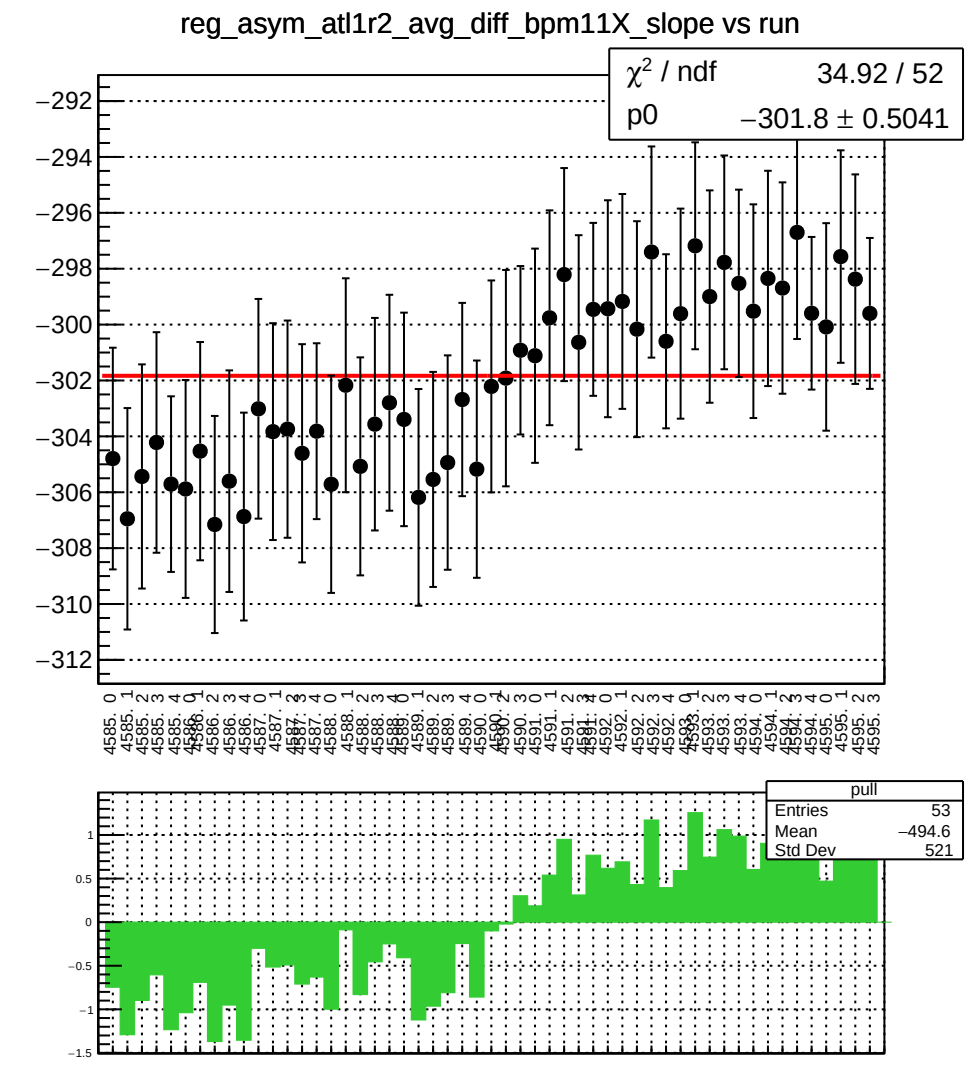

pull1D
Entries 53
Mean −0.001203
Std Dev 0.3108

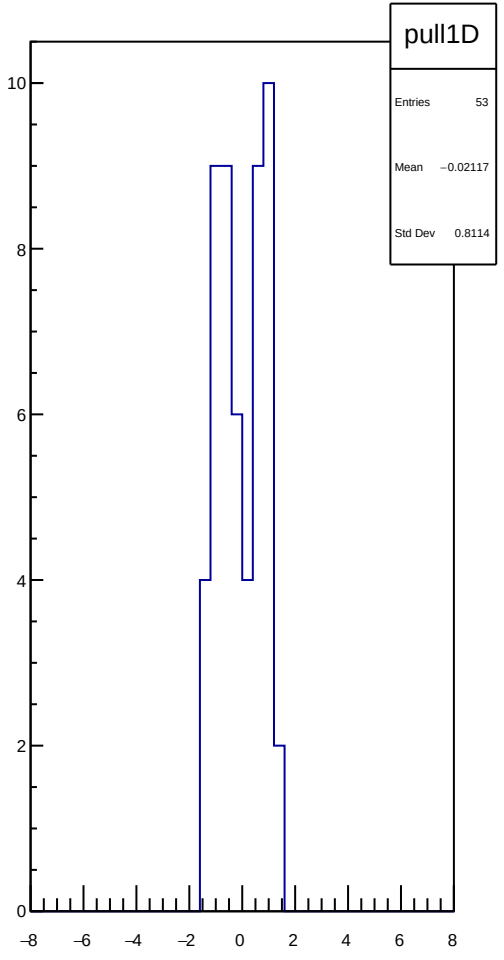

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.121 / 52
p0 −6.148 ± 0.3157
pull
Entries 53
Mean −252.4
Std Dev 283.6

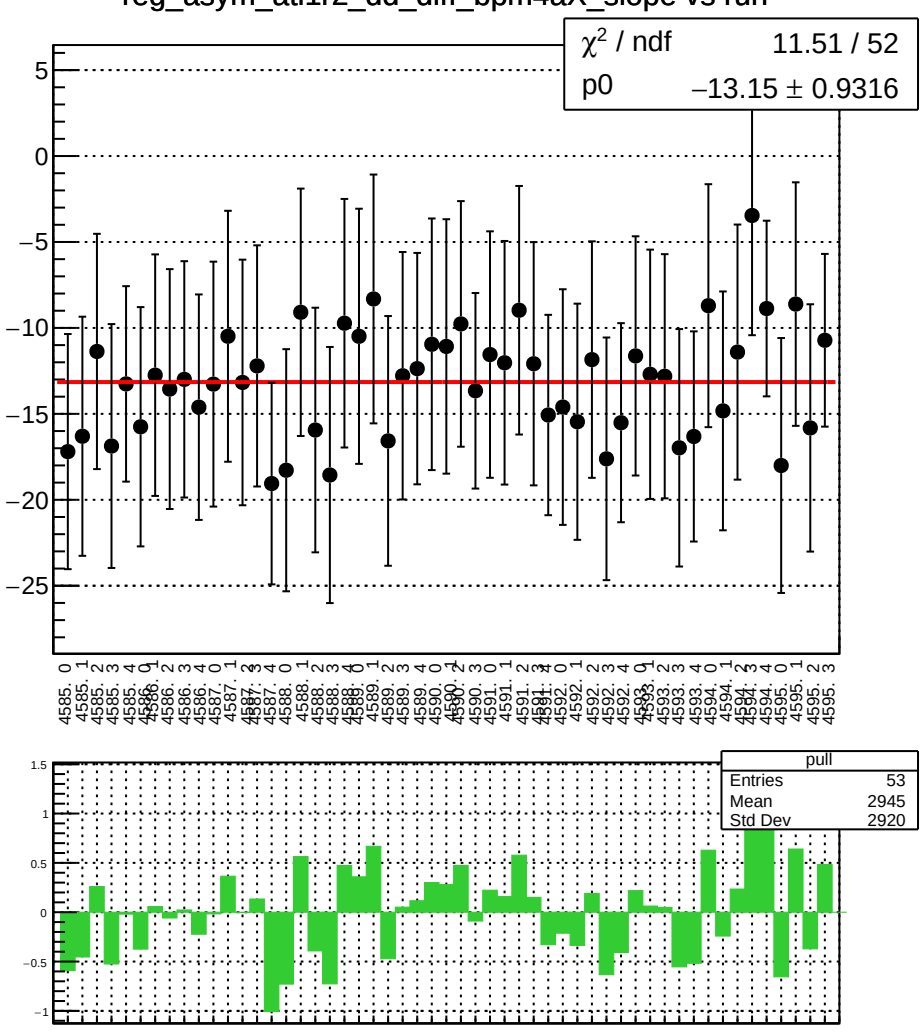

pull1D
Entries 53
Mean −0.006817
Std Dev 0.3665

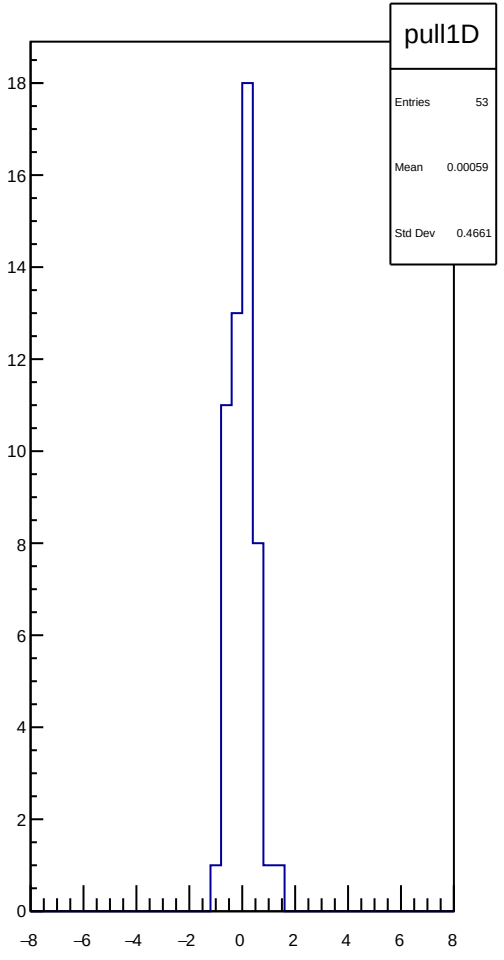

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.514 / 52
p0 57.09 ± 2.762
pull
Entries 53
Mean 263
Std Dev 233.6

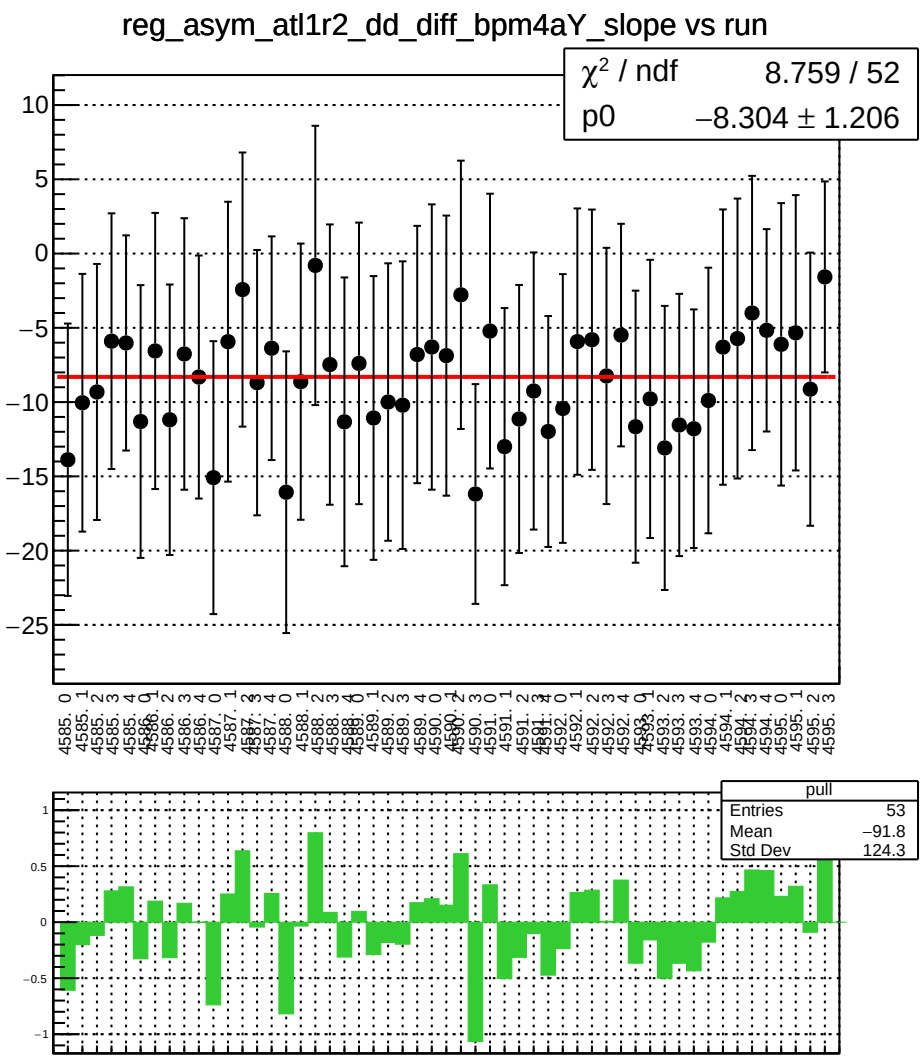

pull1D
Entries 53
Mean 0.002385
Std Dev 0.3225

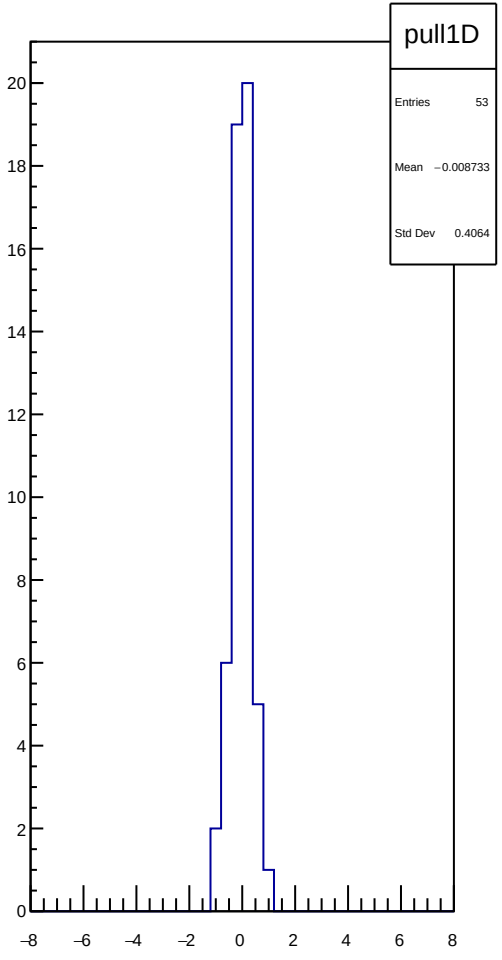

reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ² / ndf 34.92 / 52
p0 −301.8 ± 0.5041
pull
Entries 53
Mean −494.6
Std Dev 521

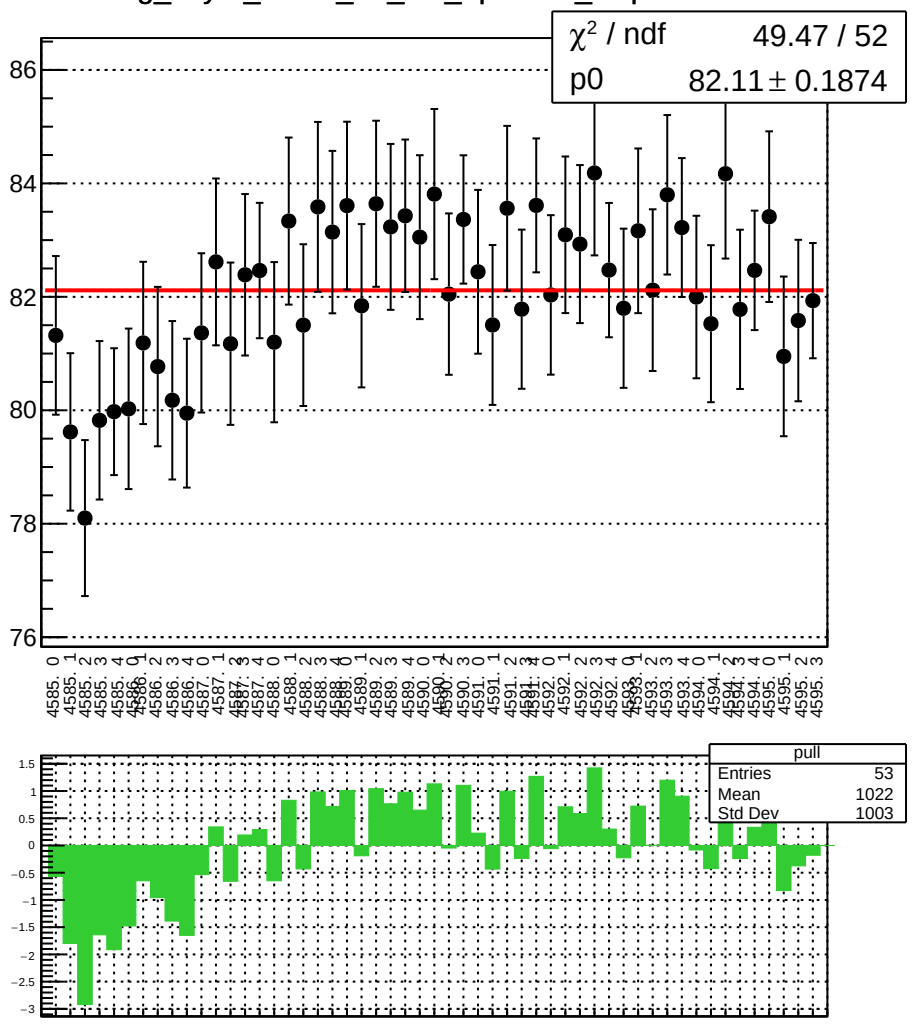

pull1D
Entries 53
Mean −0.02117
Std Dev 0.8114

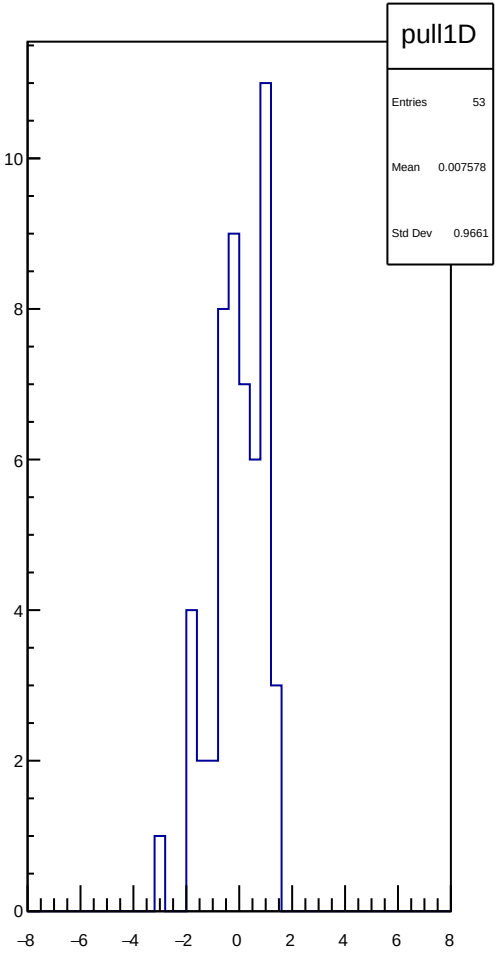

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 11.51 / 52
p0 −13.15 ± 0.9316
pull
Entries 53
Mean 2945
Std Dev 2920

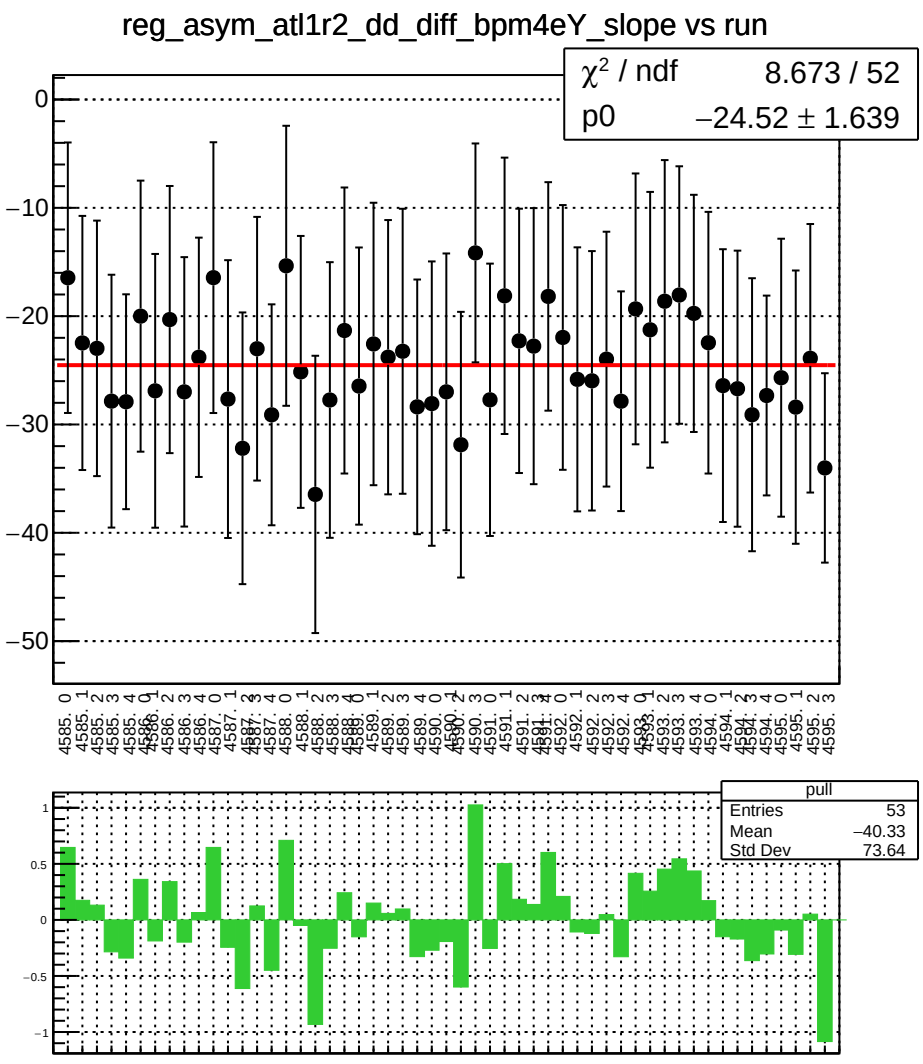

pull1D
Entries 53
Mean 0.00059
Std Dev 0.4661

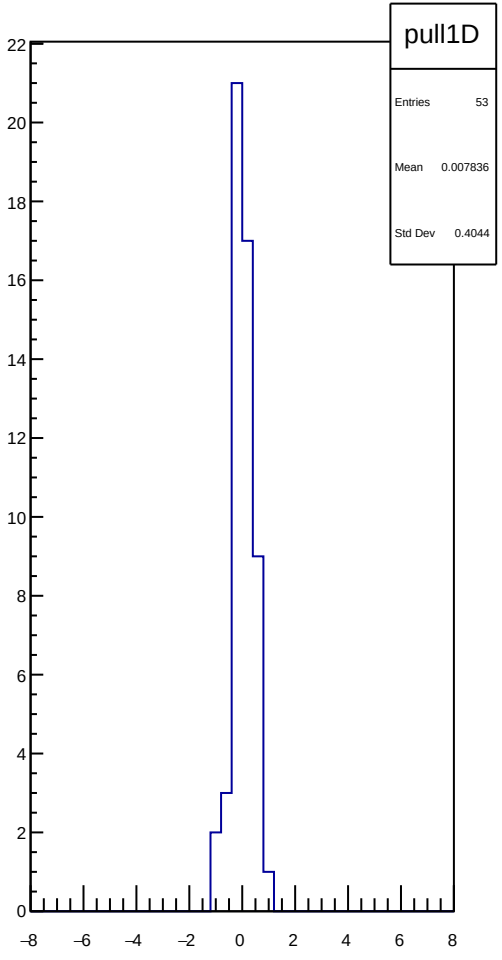

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.759 / 52
p0 −8.304 ± 1.206
pull
Entries 53
Mean −91.8
Std Dev 124.3

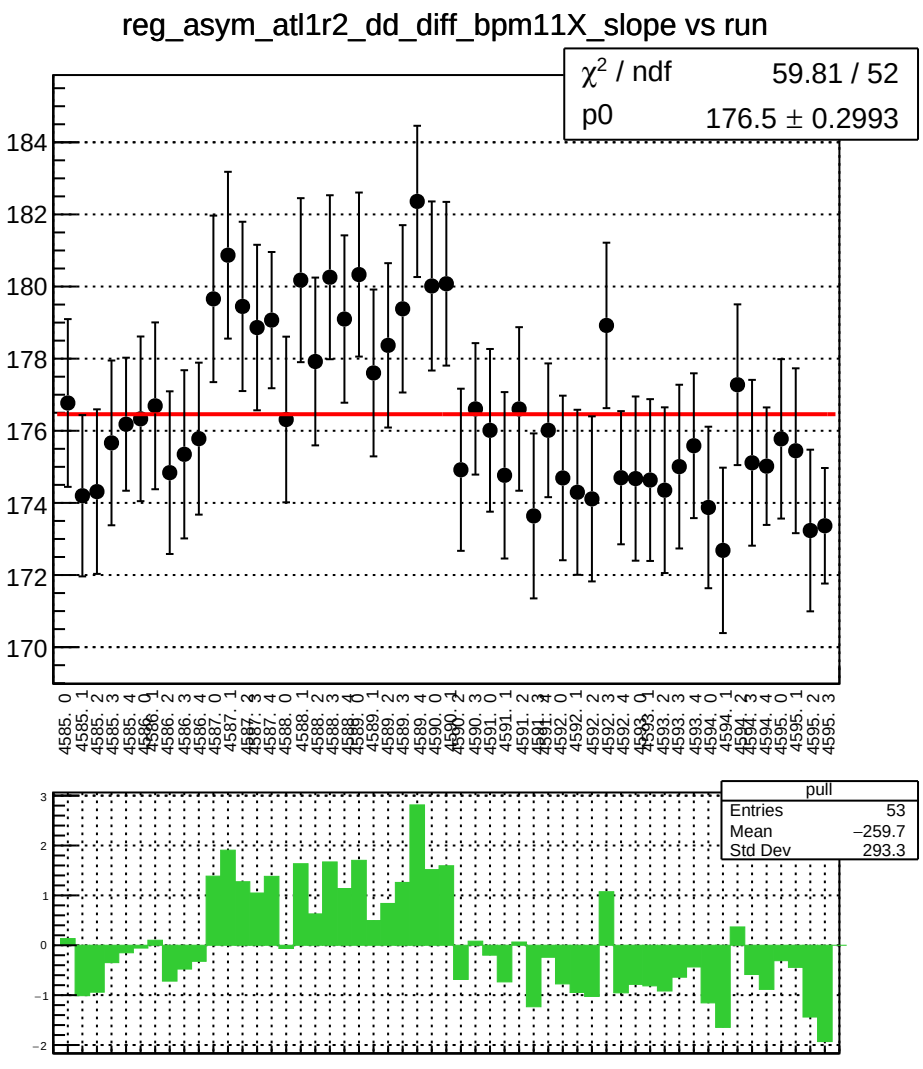

pull1D
Entries 53
Mean −0.008733
Std Dev 0.4064

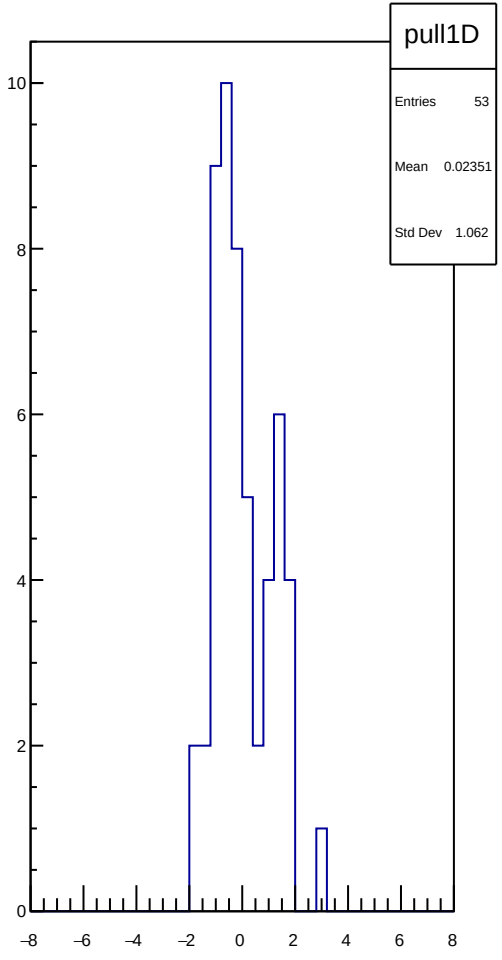

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.47 / 52
p0 82.11 ± 0.1874
pull
Entries 53
Mean 1022
Std Dev 1003

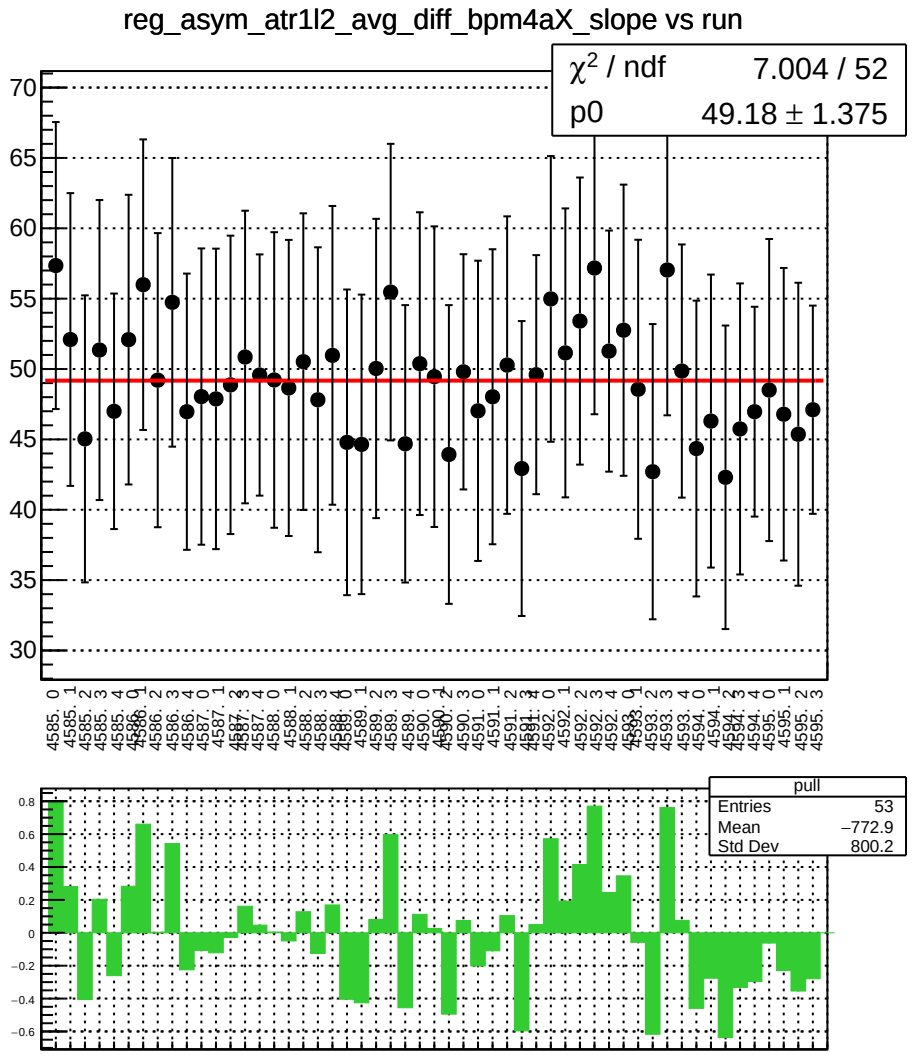

pull1D
Entries 53
Mean 0.007578
Std Dev 0.9661

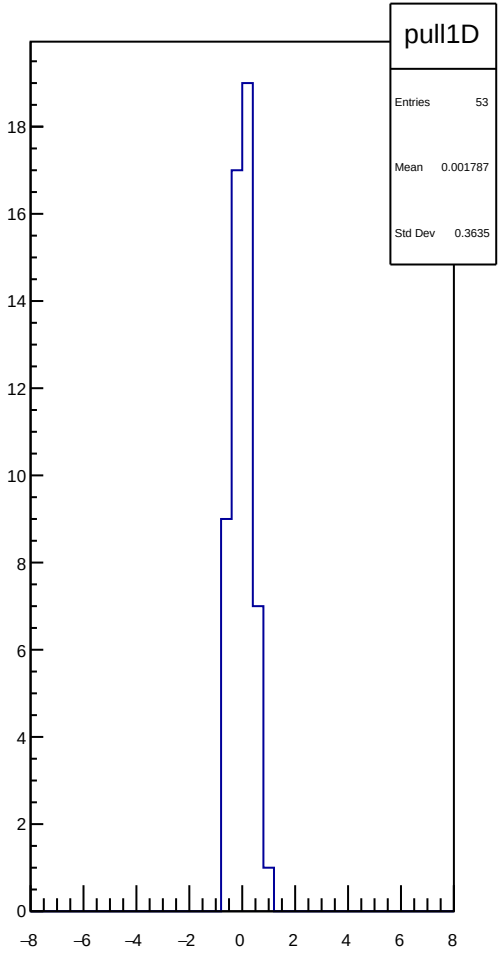

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.673 / 52
p0 −24.52 ± 1.639
pull
Entries 53
Mean −40.33
Std Dev 73.64

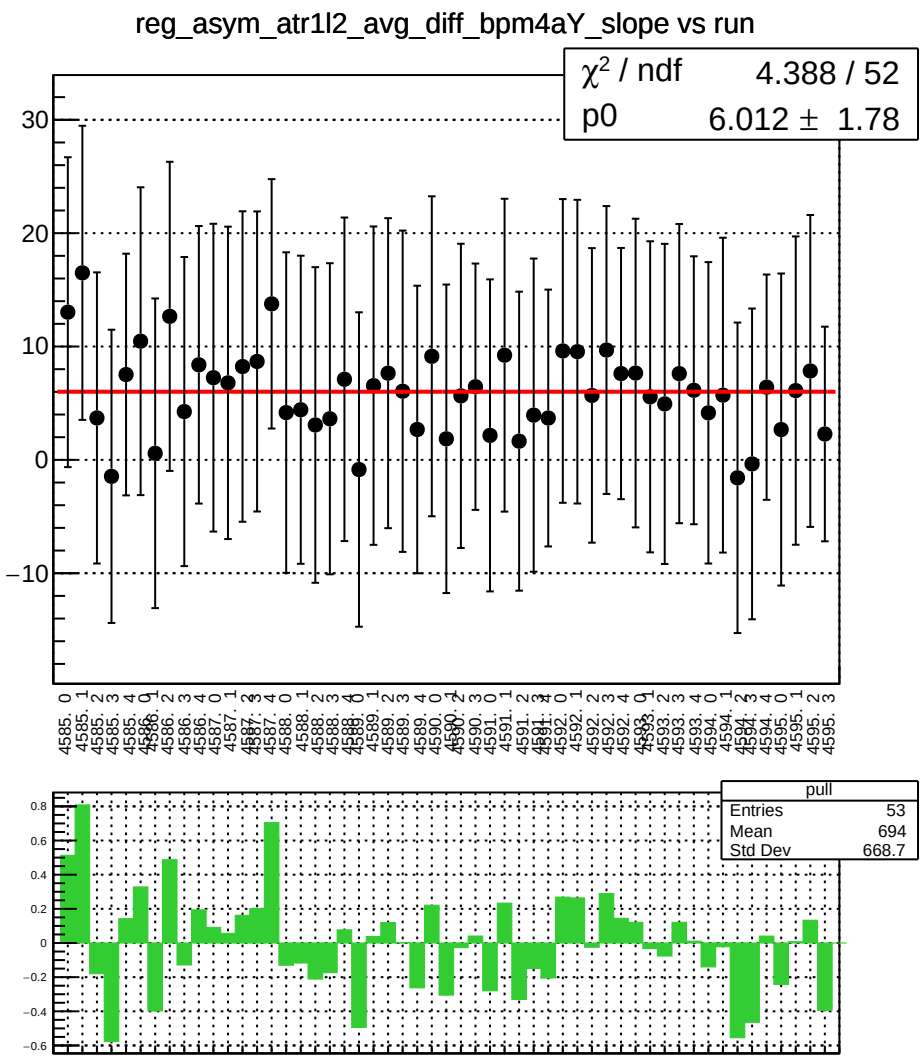

pull1D
Entries 53
Mean 0.007836
Std Dev 0.4044

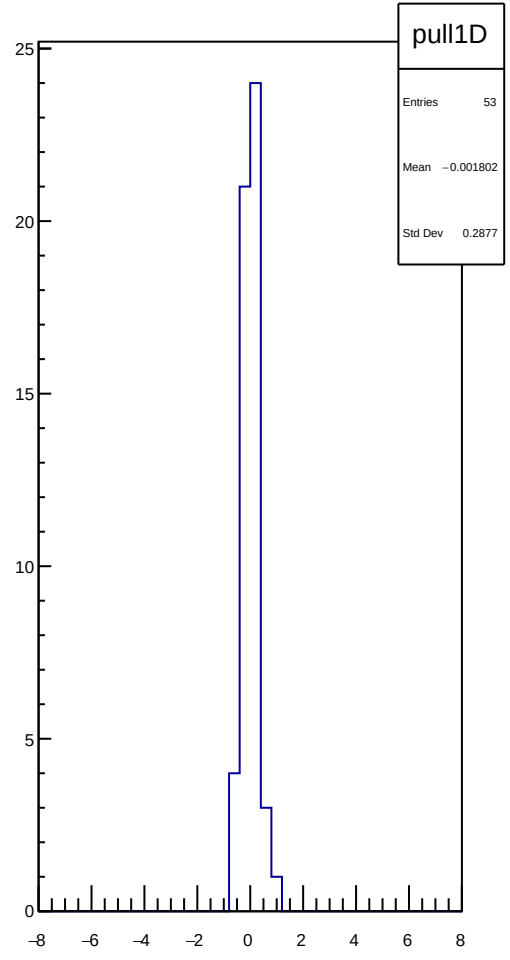

reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ² / ndf 59.81 / 52
p0 176.5 ± 0.2993
pull
Entries 53
Mean −259.7
Std Dev 293.3

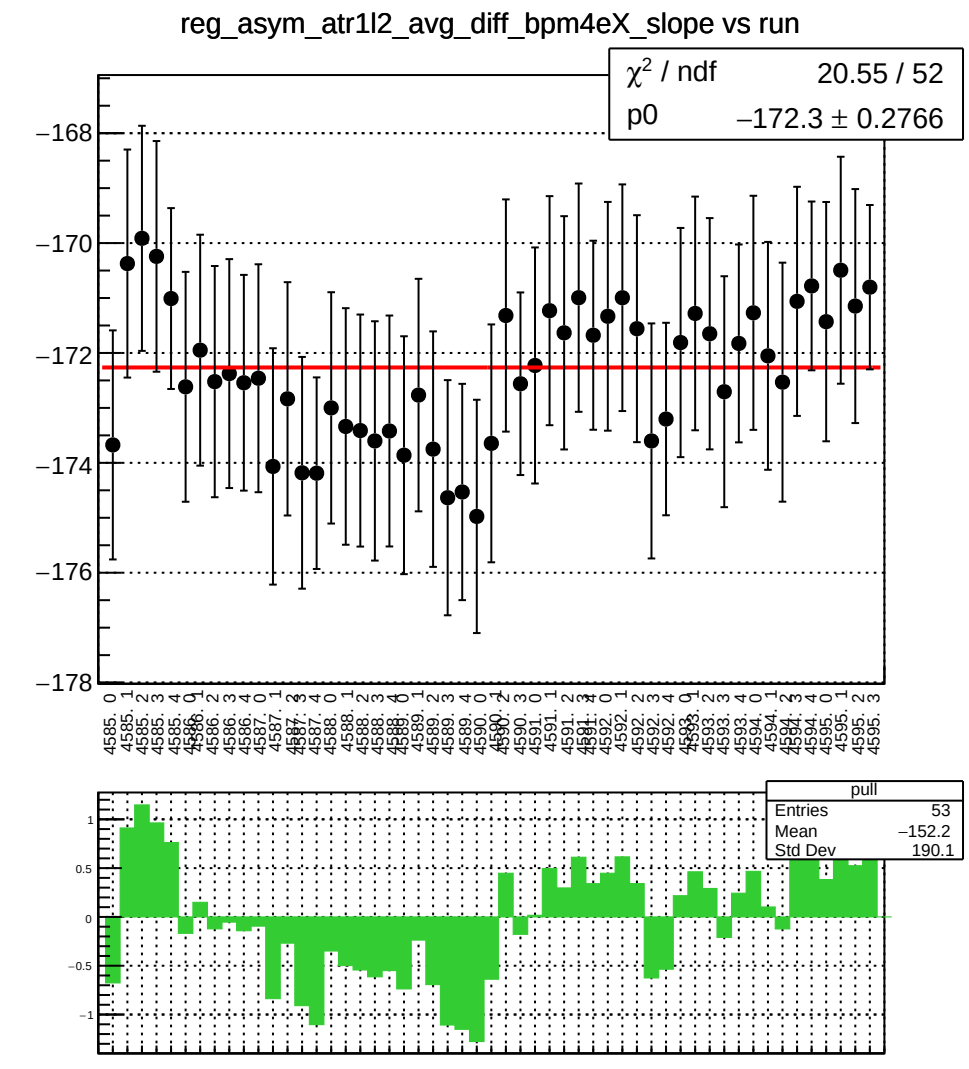

pull1D
Entries 53
Mean 0.02351
Std Dev 1.062

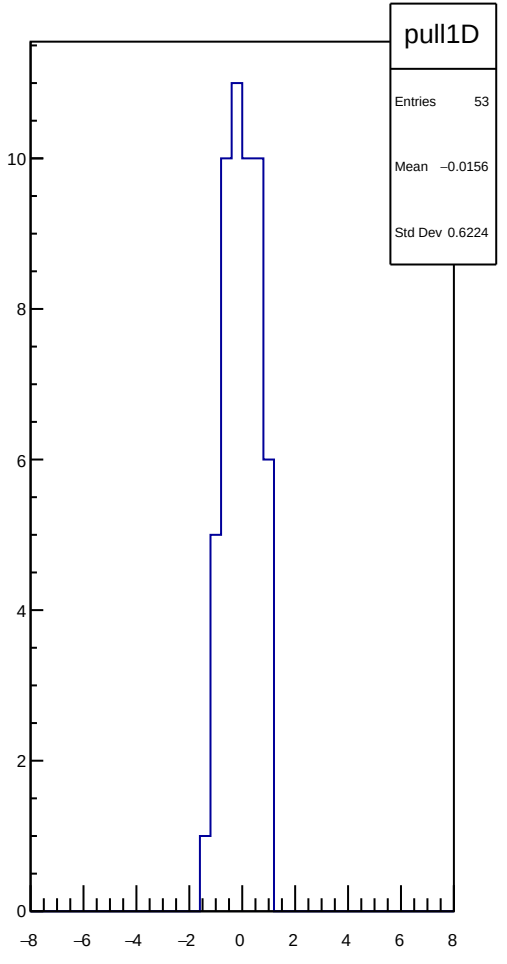

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 7.004 / 52
p0 49.18 ± 1.375
pull
Entries 53
Mean −772.9
Std Dev 800.2

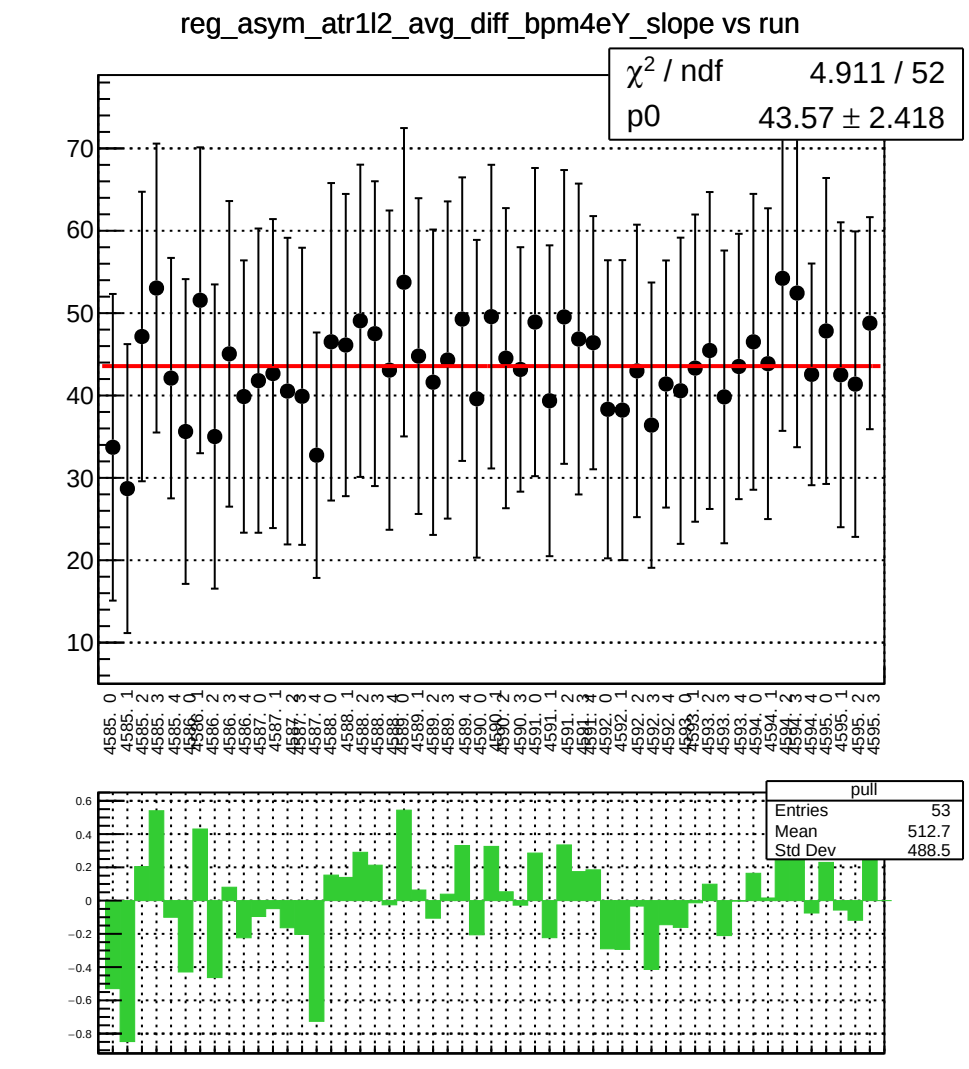

pull1D
Entries 53
Mean 0.001787
Std Dev 0.3635

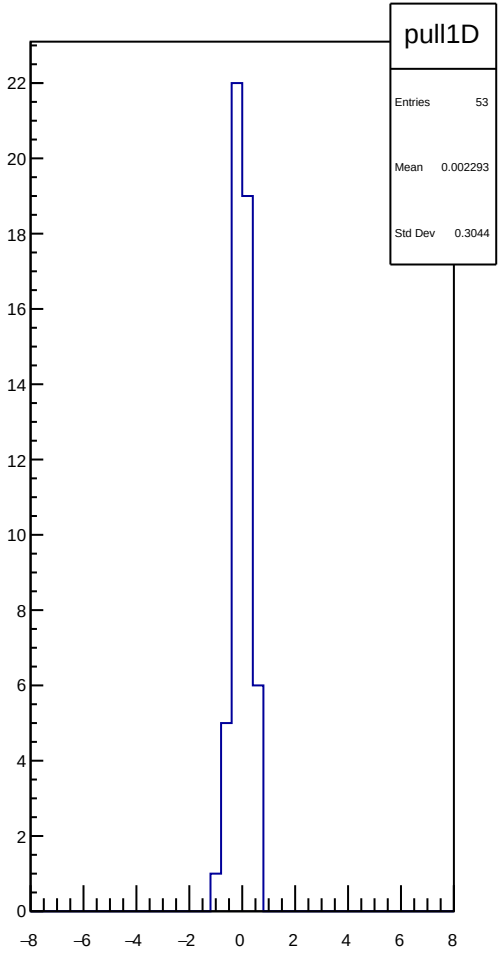

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.388 / 52
p0 6.012 ± 1.78
pull
Entries 53
Mean 694
Std Dev 668.7

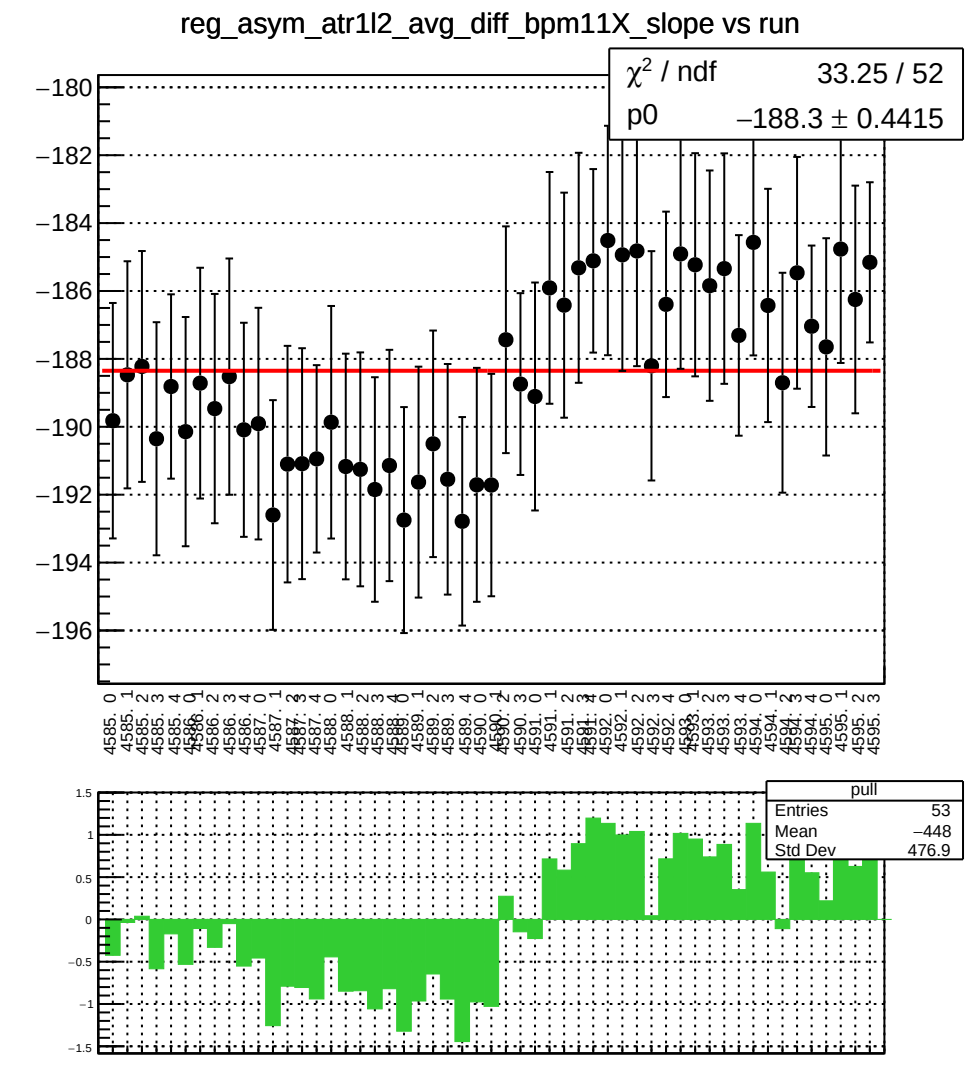

pull1D
Entries 53
Mean −0.001802
Std Dev 0.2877

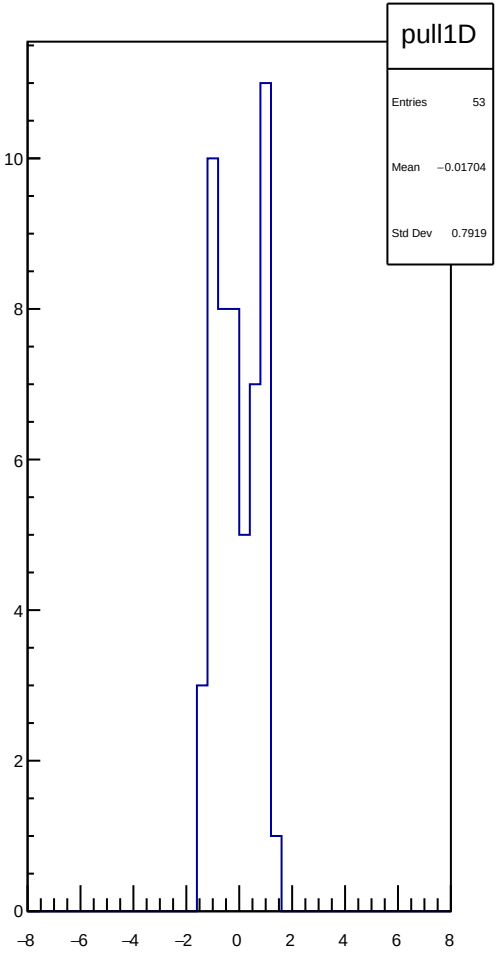

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.55 / 52
p0 −172.3 ± 0.2766
pull
Entries 53
Mean −152.2
Std Dev 190.1

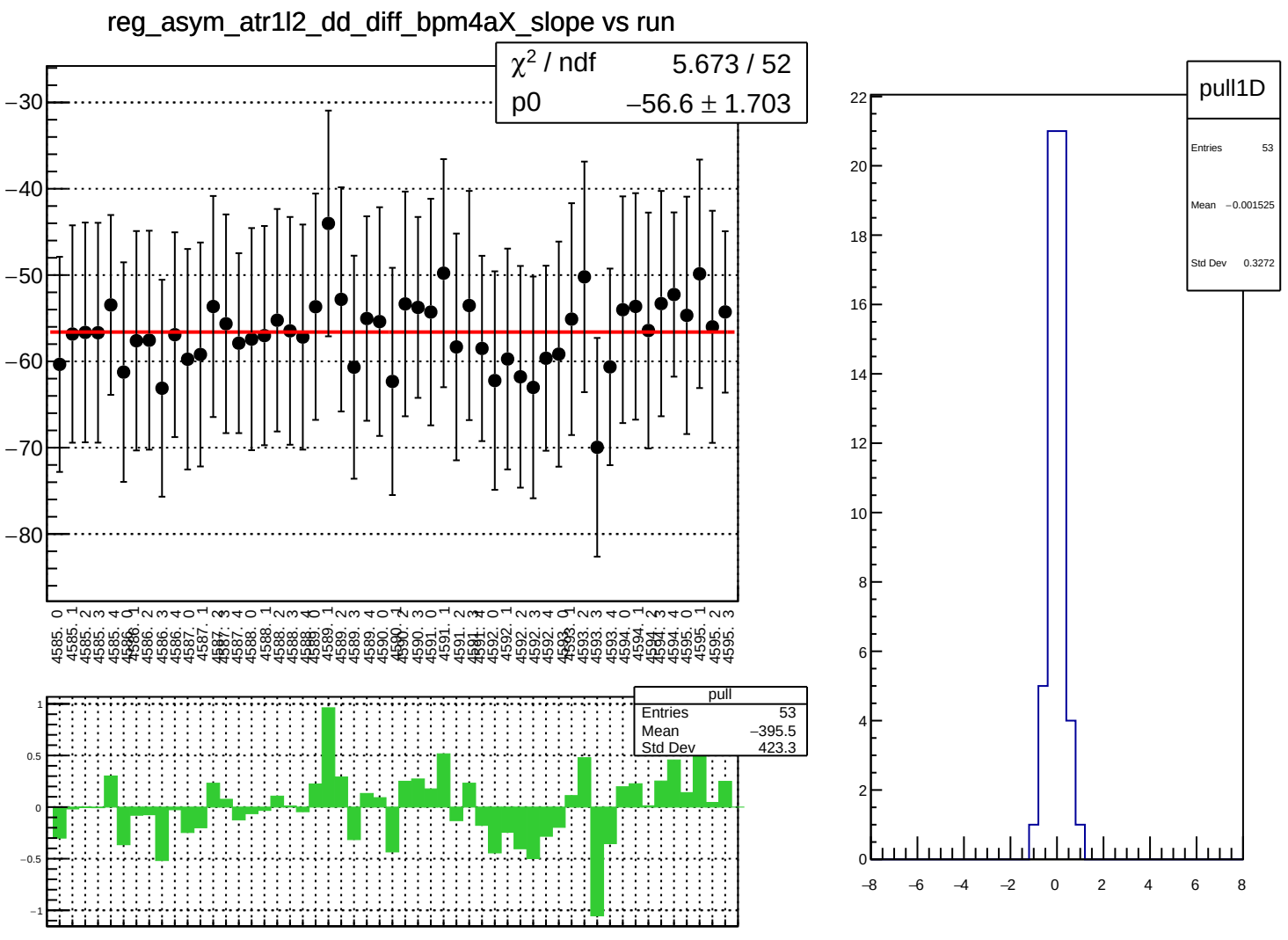

pull1D
Entries 53
Mean −0.0156
Std Dev 0.6224

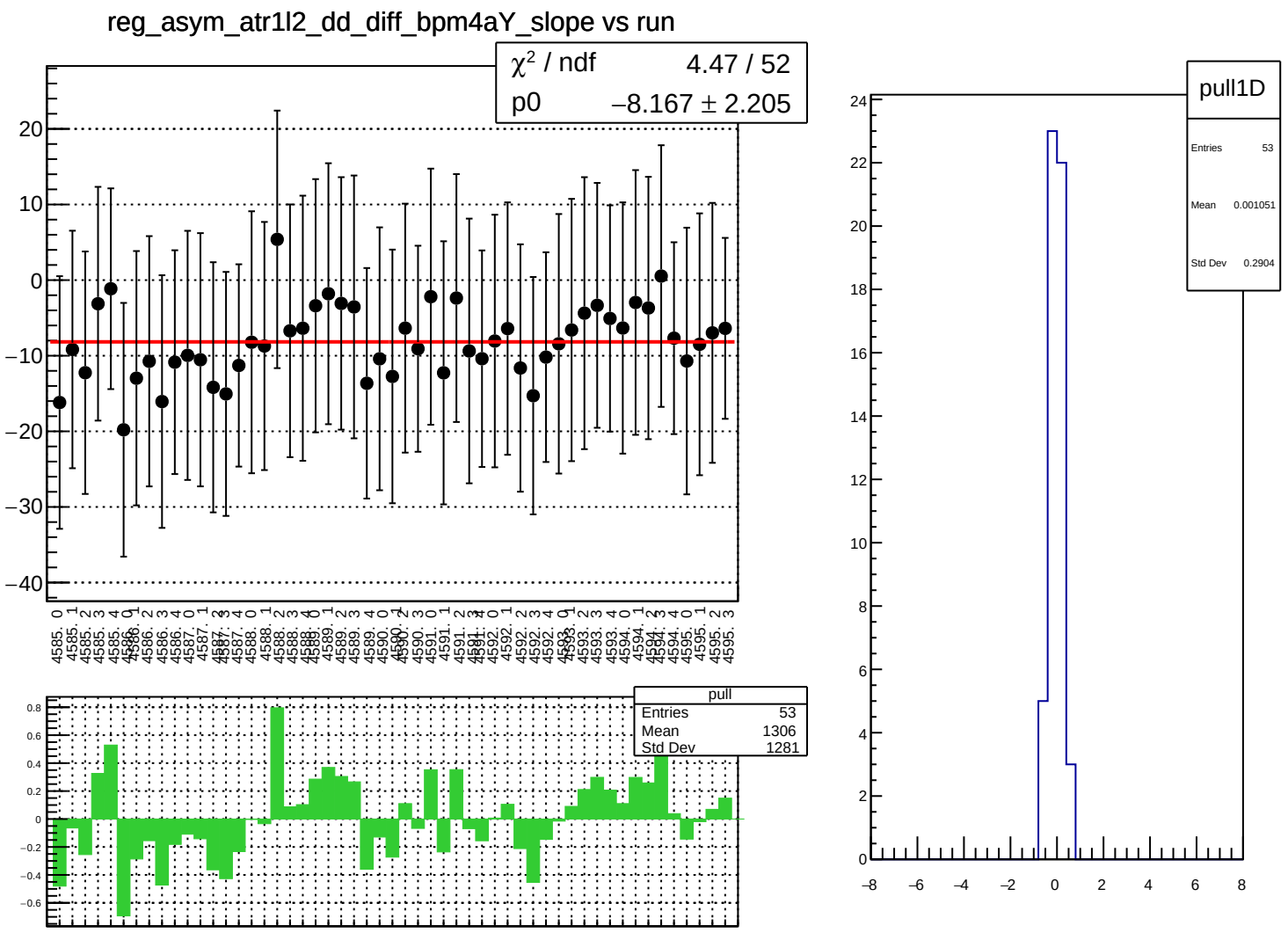

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.911 / 52
p0 43.57 ± 2.418
pull
Entries 53
Mean 512.7
Std Dev 488.5

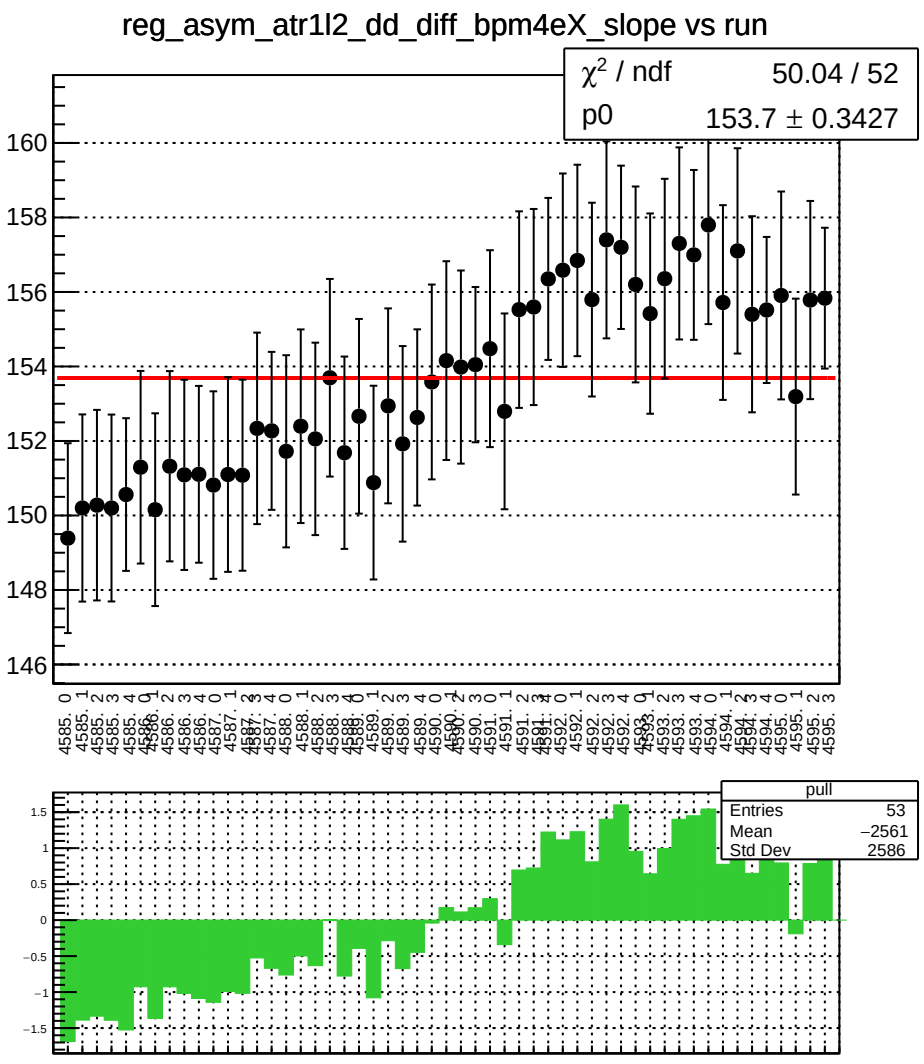

pull1D
Entries 53
Mean 0.002293
Std Dev 0.3044

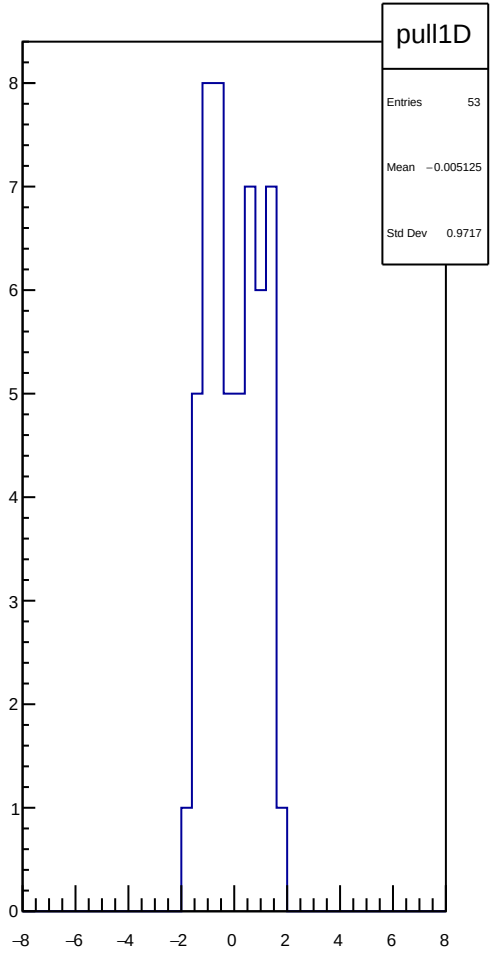

reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ² / ndf 33.25 / 52
p0 −188.3 ± 0.4415
pull
Entries 53
Mean −448
Std Dev 476.9

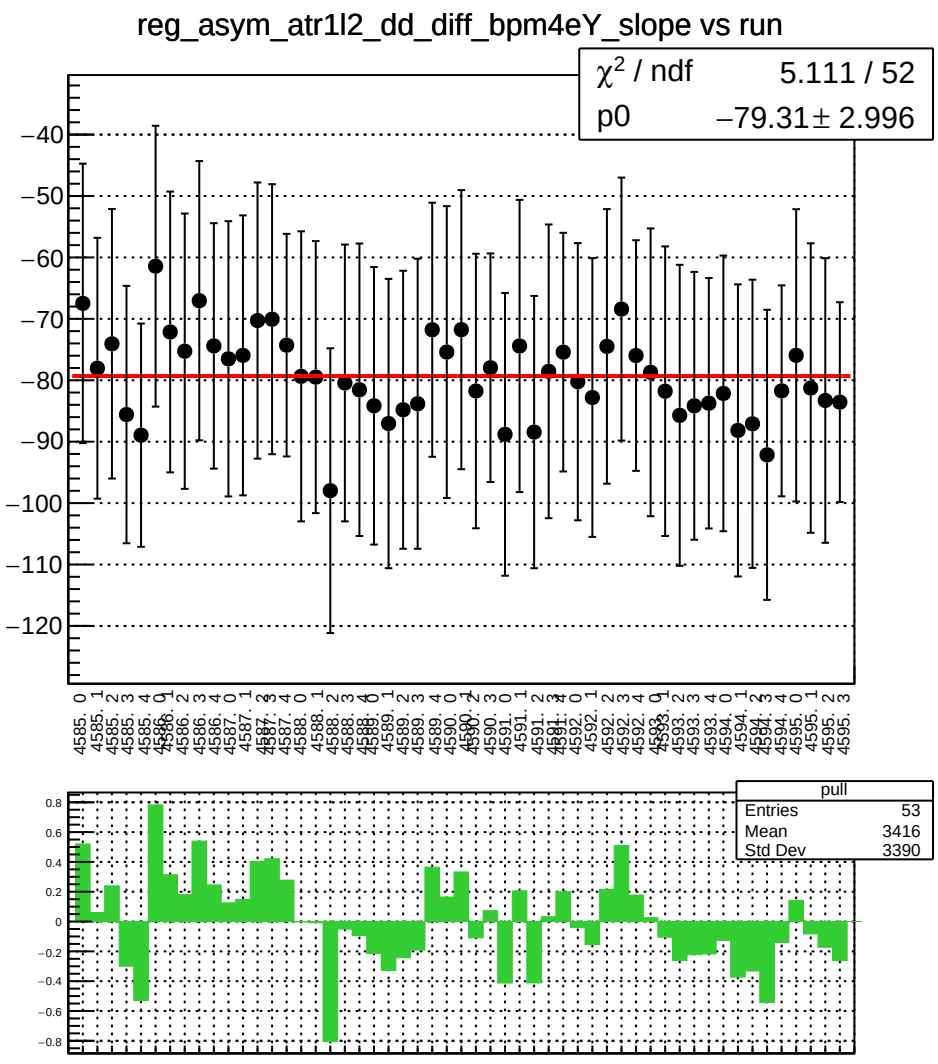

pull1D
Entries 53
Mean −0.01704
Std Dev 0.7919

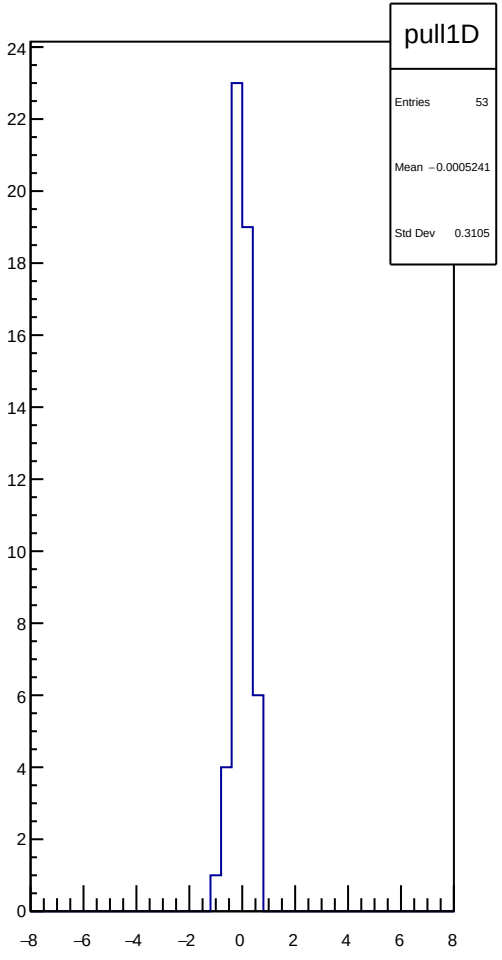

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 5.673 / 52
p0 −56.6 ± 1.703
pull
Entries 53
Mean −395.5
Std Dev 423.3
pull1D
Entries 53
Mean −0.001525
Std Dev 0.3272

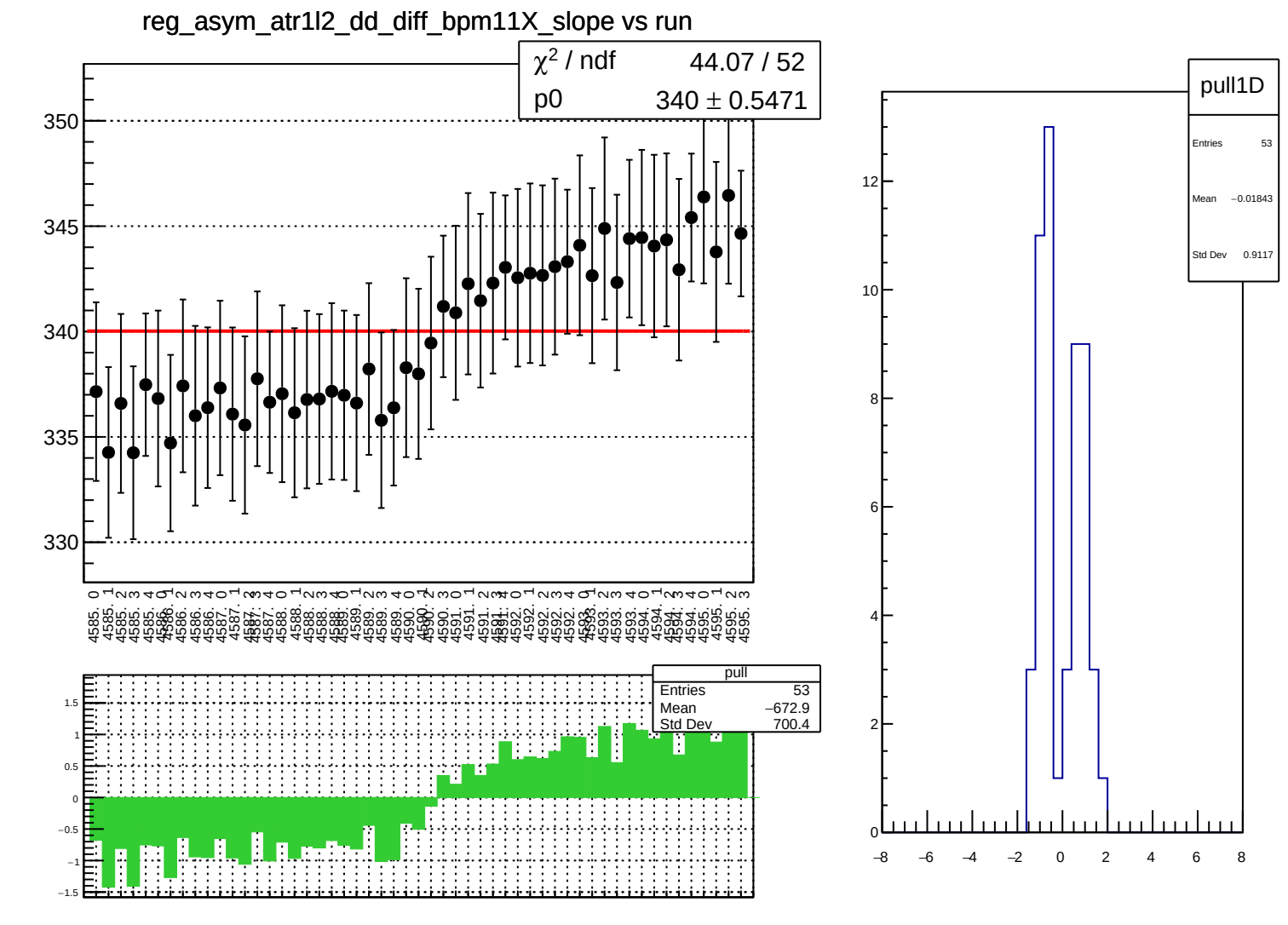

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.47 / 52
p0 −8.167 ± 2.205
pull
Entries 53
Mean 1306
Std Dev 1281
pull1D
Entries 53
Mean 0.001051
Std Dev 0.2904

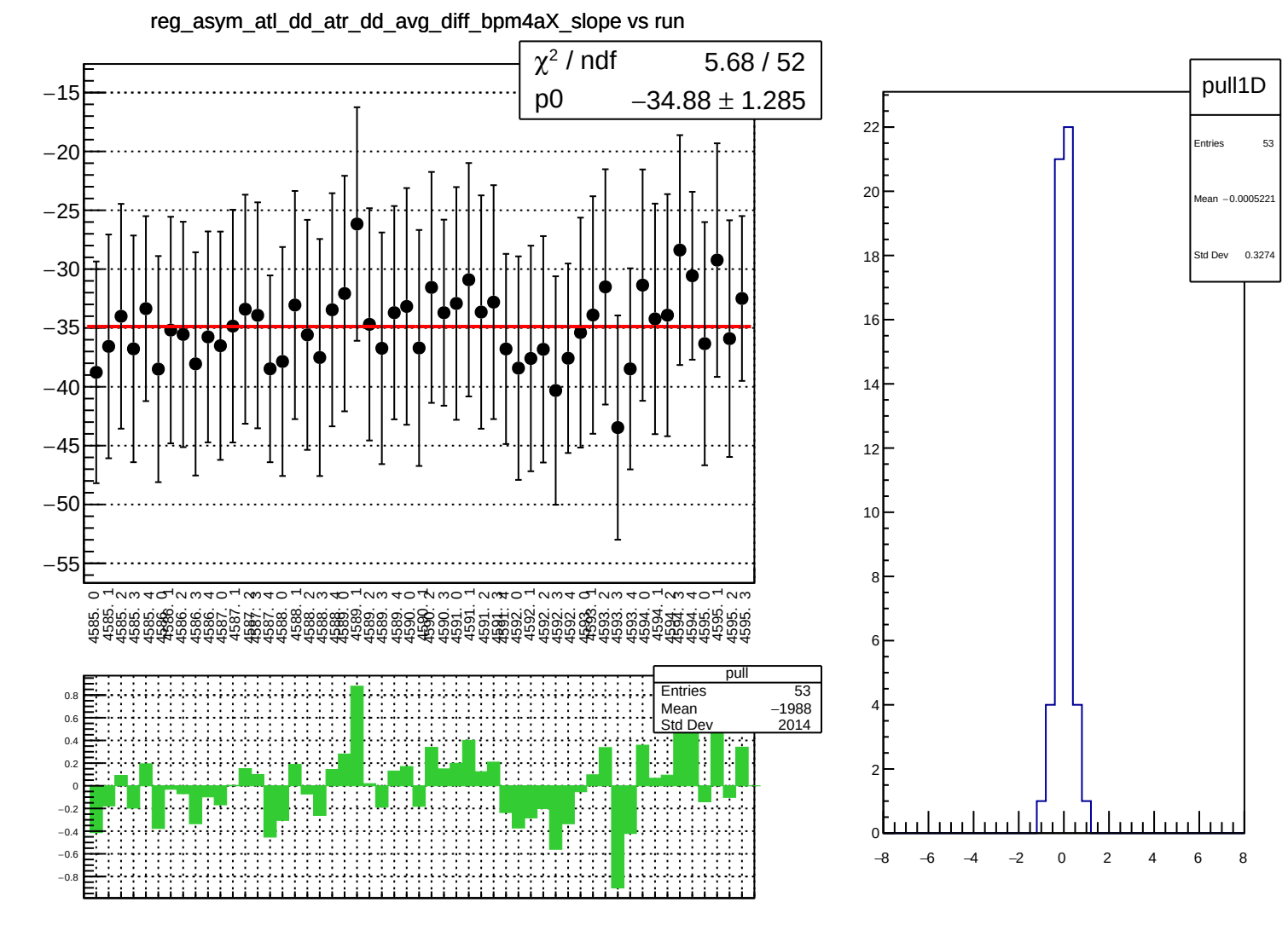

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.04 / 52
p0 153.7 ± 0.3427
160
158
156
154
152
150
148
146
pull
Entries 53
Mean −2561
Std Dev 2586
1.5
1
0.5
0
−0.5
−1
−1.5

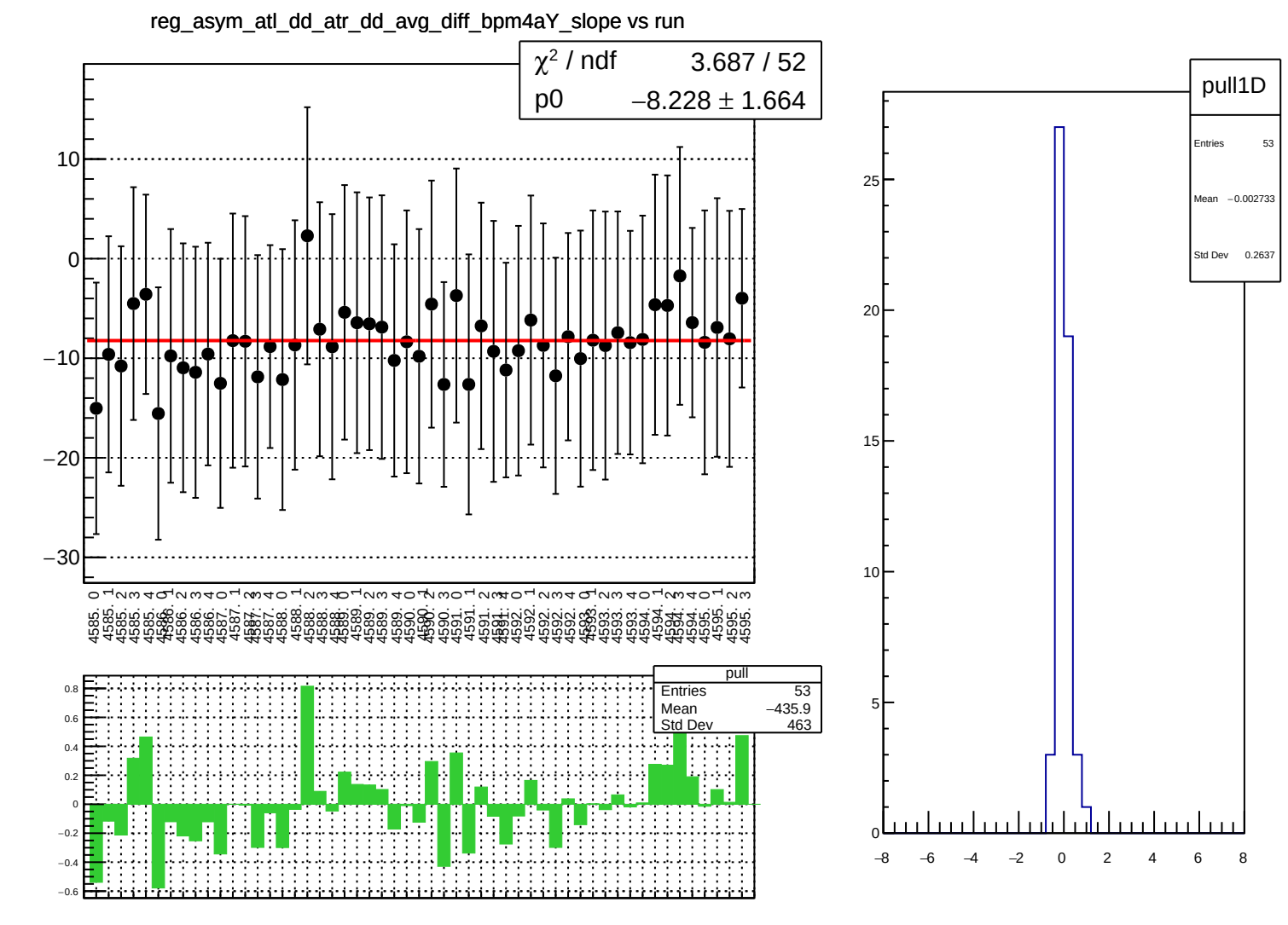

pull1D
Entries 53
Mean −0.005125
Std Dev 0.9717
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

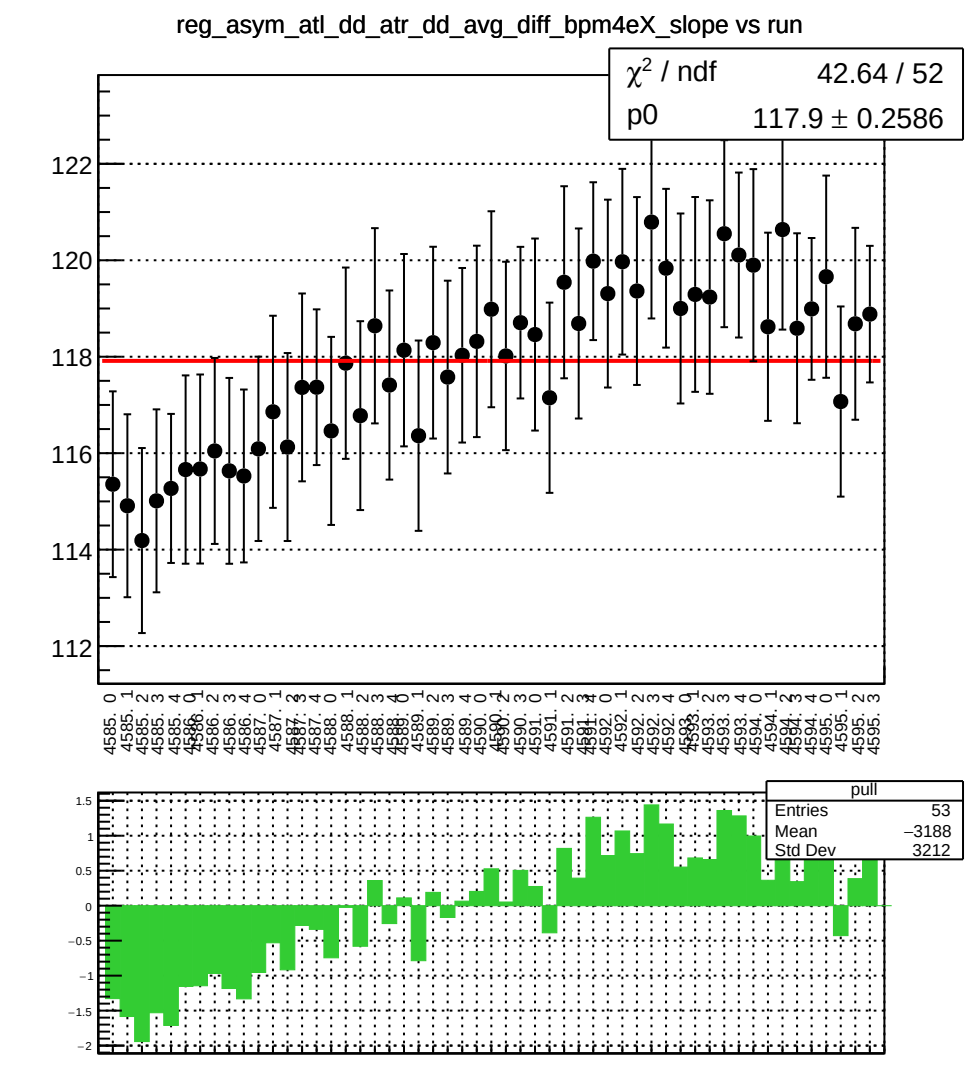

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.111 / 52
p0 −79.31 ± 2.996
pull
Entries 53
Mean 3416
Std Dev 3390

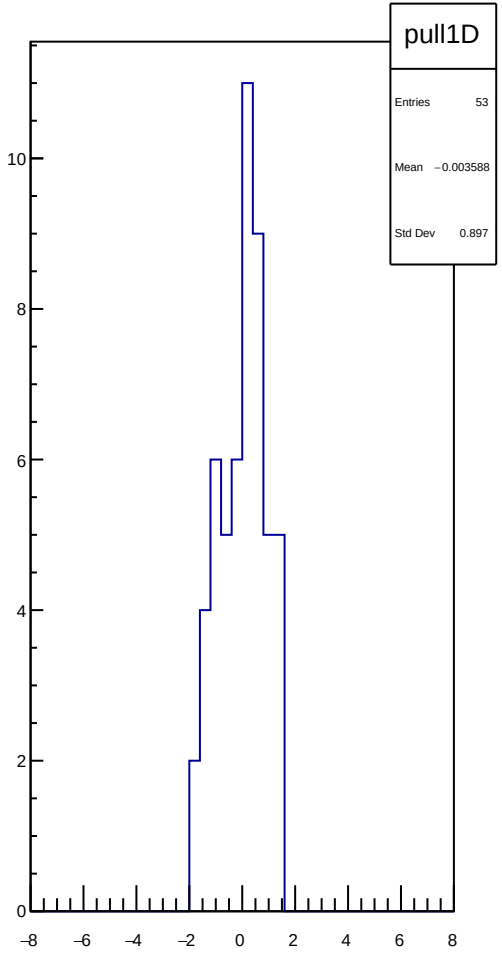

pull1D
Entries 53
Mean −0.0005241
Std Dev 0.3105

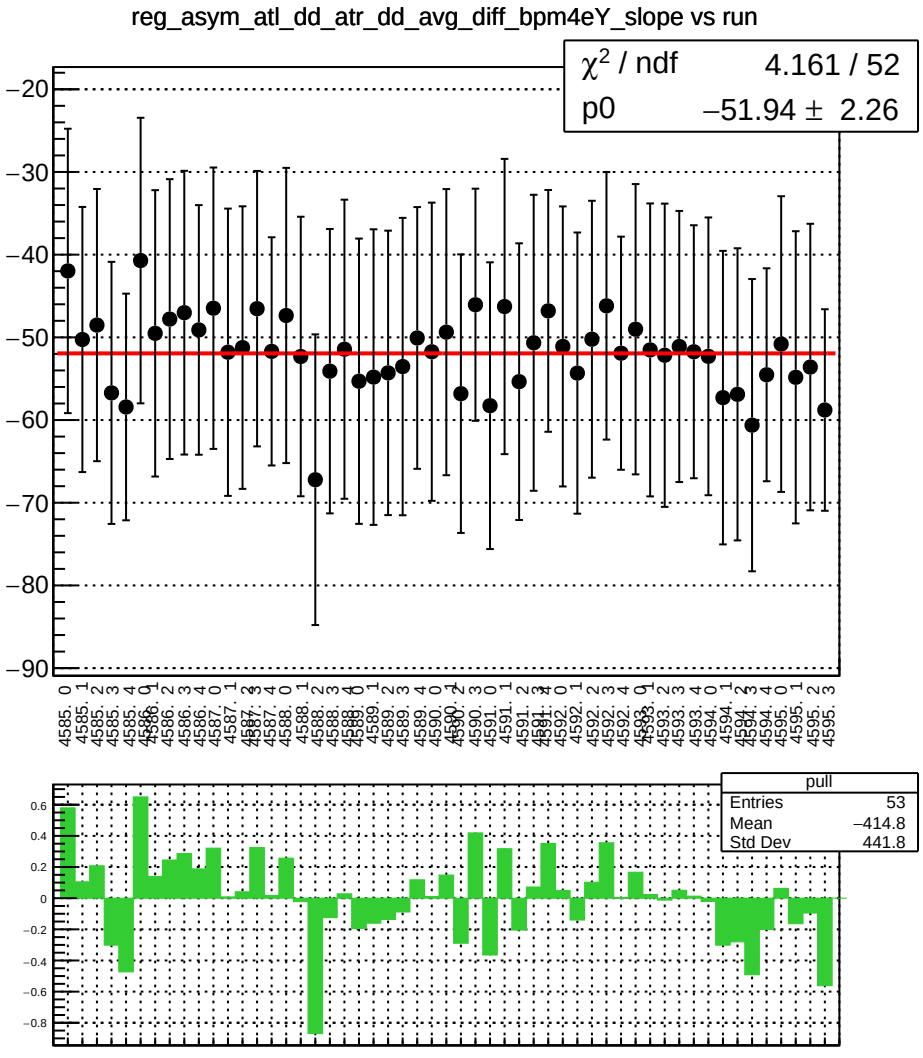

reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ² / ndf 44.07 / 52
p0 340 ± 0.5471
pull
Entries 53
Mean −672.9
Std Dev 700.4
pull1D
Entries 53
Mean −0.01843
Std Dev 0.9117

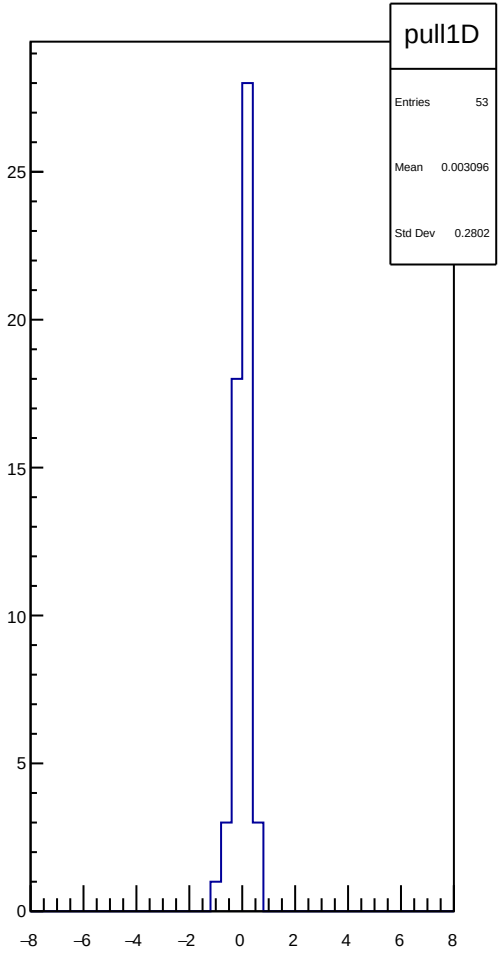

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.68 / 52
p0 −34.88 ± 1.285
pull
Entries 53
Mean −1988
Std Dev 2014
pull1D
Entries 53
Mean −0.0005221
Std Dev 0.3274

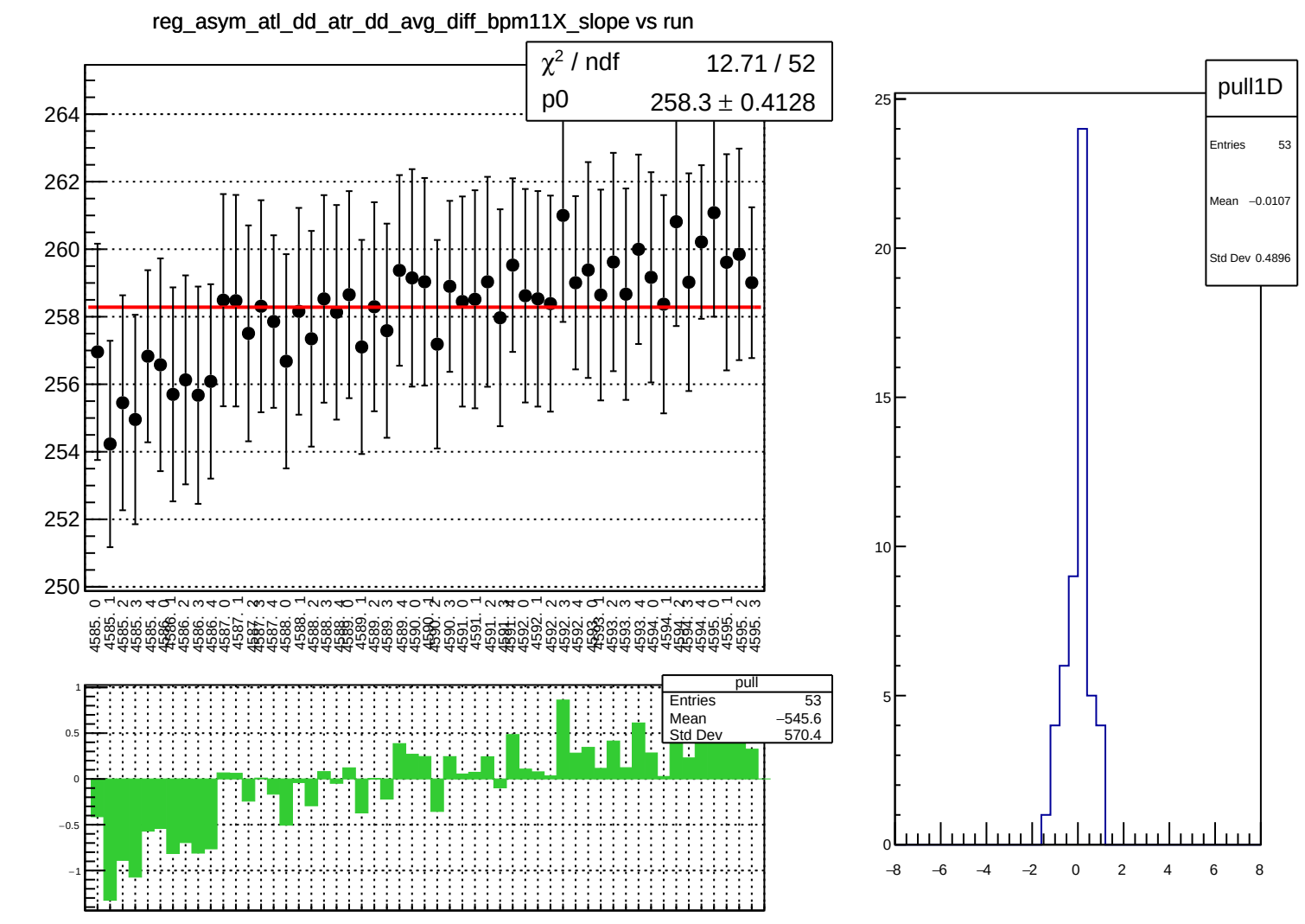

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.687 / 52
p0 −8.228 ± 1.664
pull
Entries 53
Mean −435.9
Std Dev 463
pull1D
Entries 53
Mean −0.002733
Std Dev 0.2637

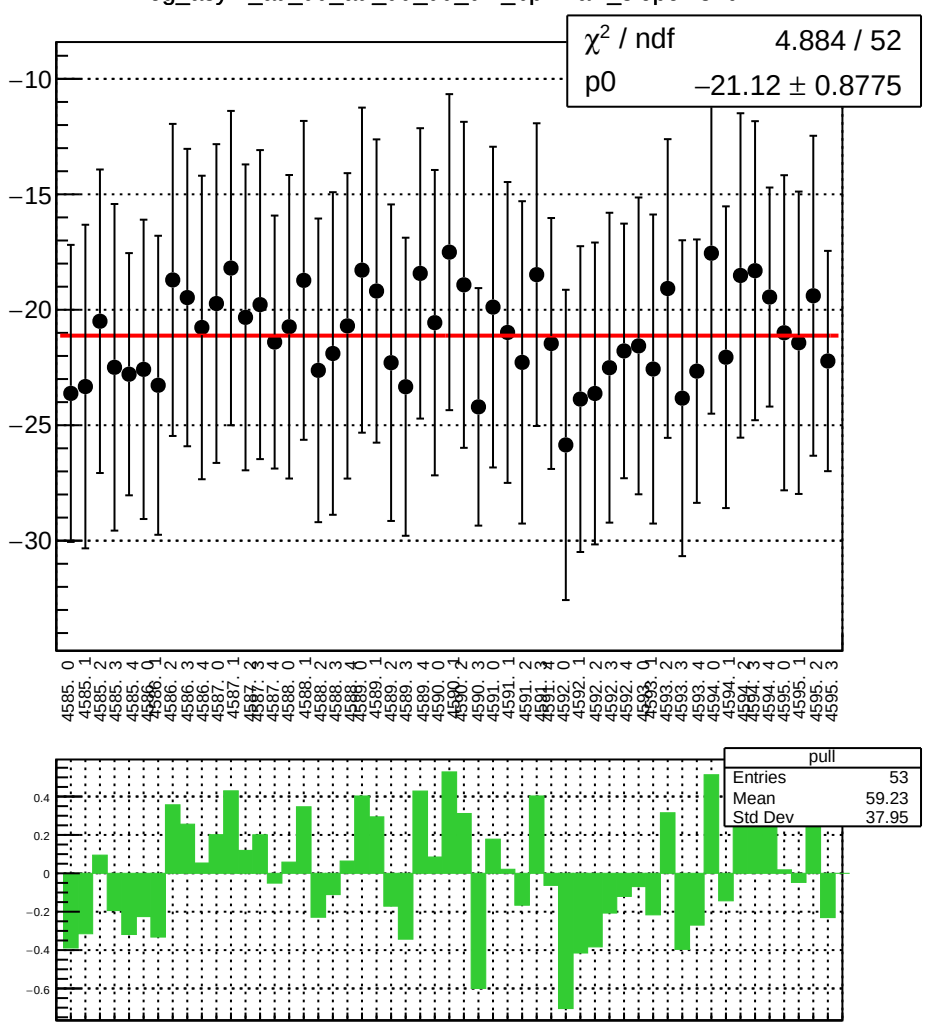

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.64 / 52
p0 117.9 ± 0.2586
122
120
118
116
114
112
pull
Entries 53
Mean −3188
Std Dev 3212
1.5
1
0.5
0
−0.5
−1
−1.5
−2

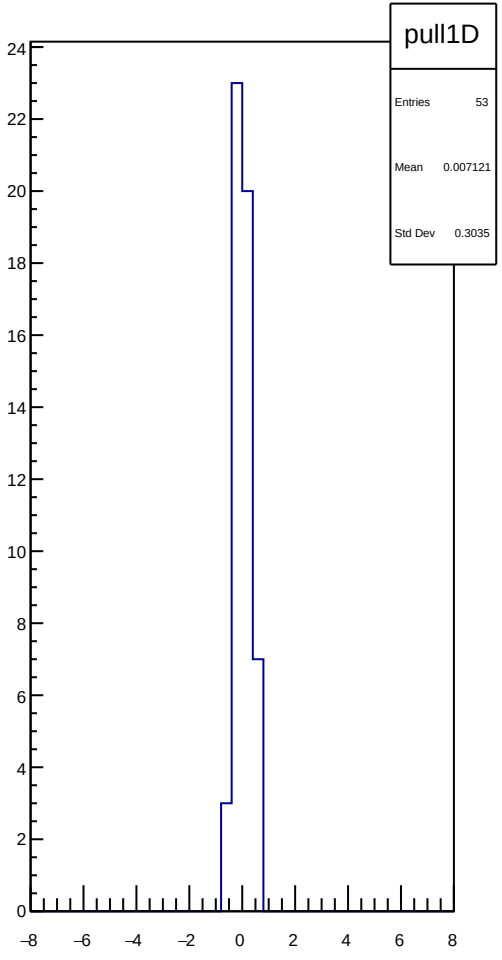

pull1D
Entries 53
Mean −0.003588
Std Dev 0.897
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

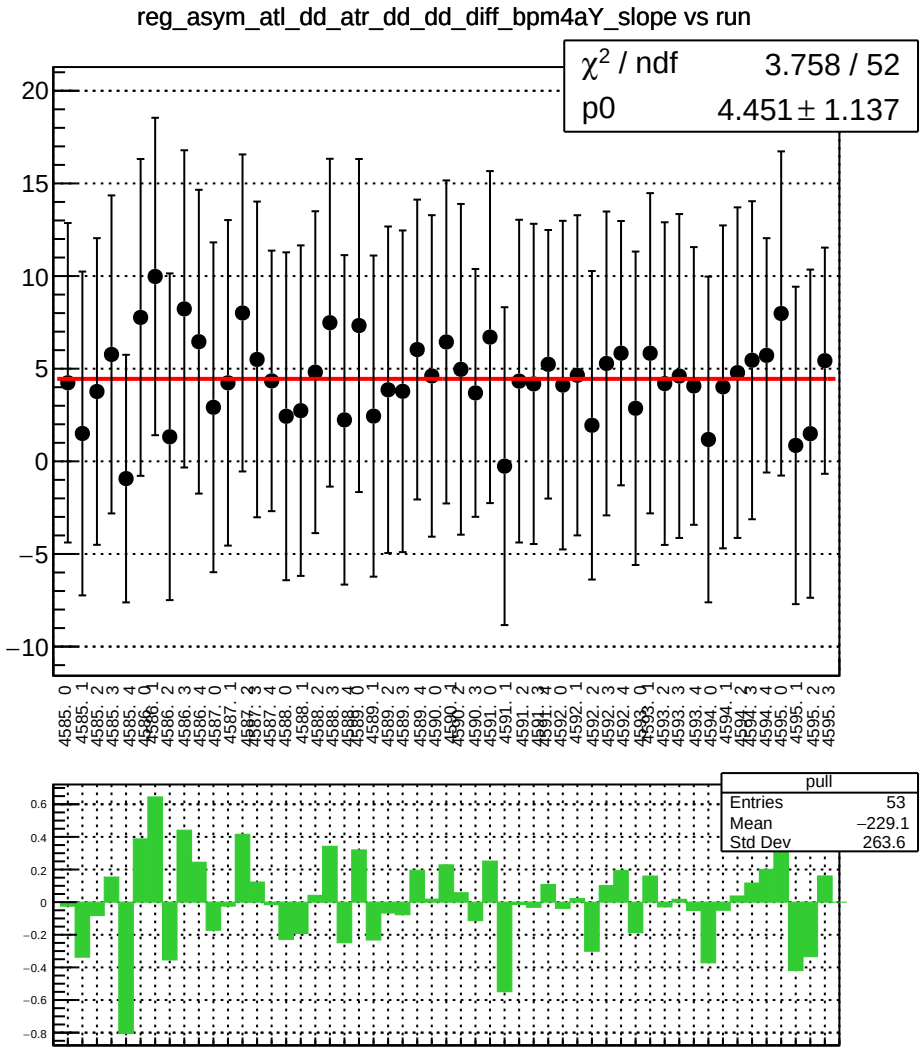

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.161 / 52
p0 −51.94 ± 2.26
pull
Entries 53
Mean −414.8
Std Dev 441.8

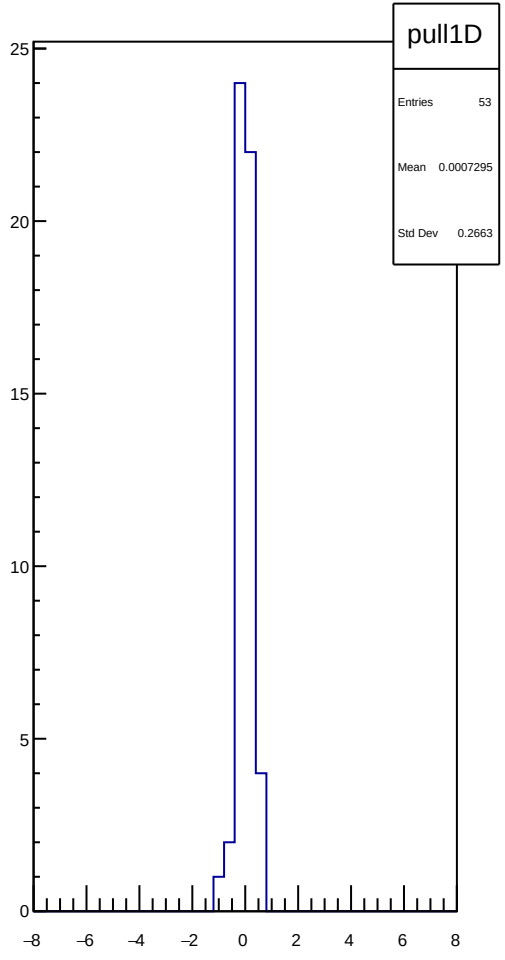

pull1D
Entries 53
Mean 0.003096
Std Dev 0.2802

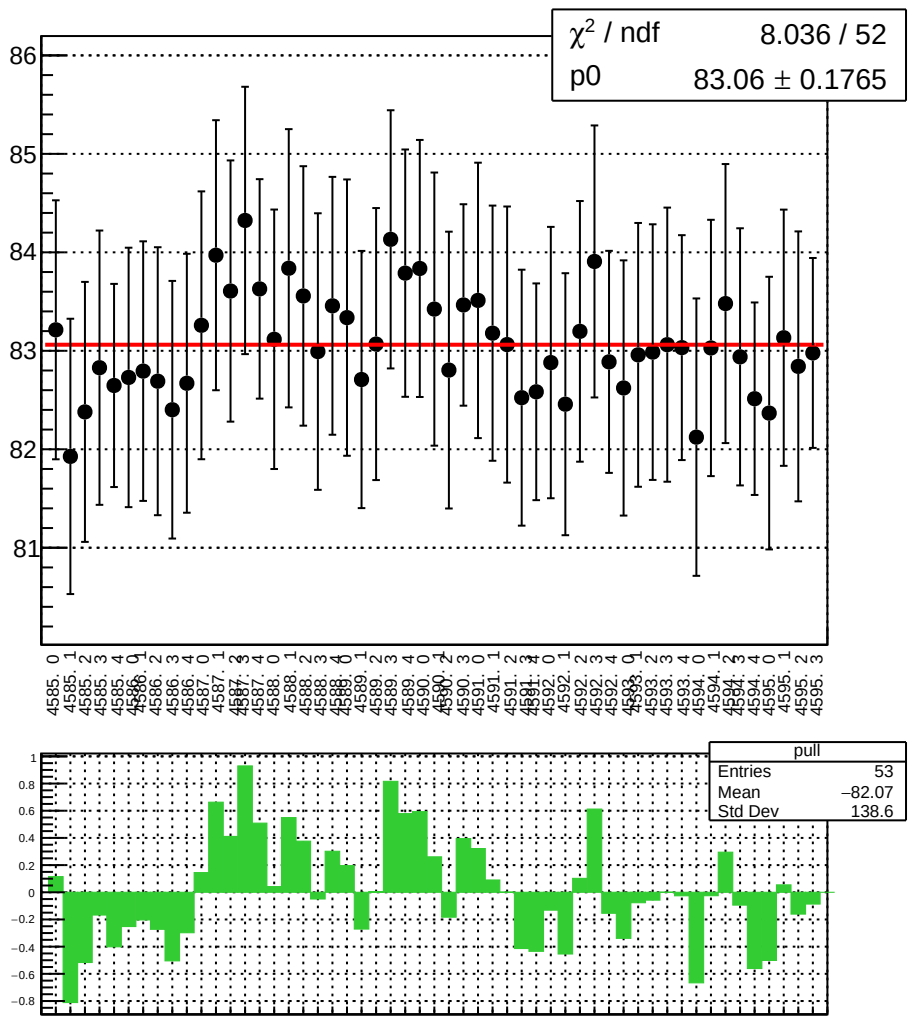

reg_asym_atl_dd_atr_dd_avg_diff_bpm11X_slope vs run
χ² / ndf 12.71 / 52
p0 258.3 ± 0.4128
pull
Entries 53
Mean −545.6
Std Dev 570.4
pull1D
Entries 53
Mean −0.0107
Std Dev 0.4896

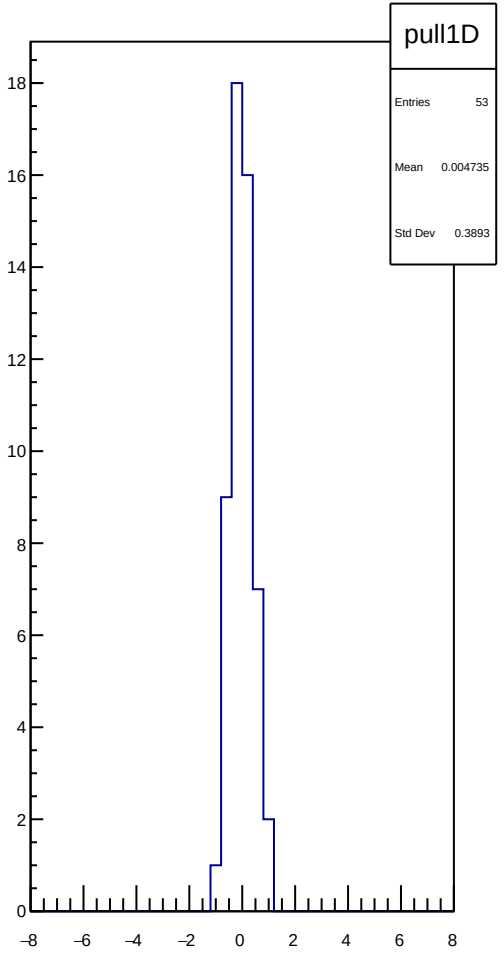

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.884 / 52
p0 −21.12 ± 0.8775
pull
Entries 53
Mean 59.23
Std Dev 37.95

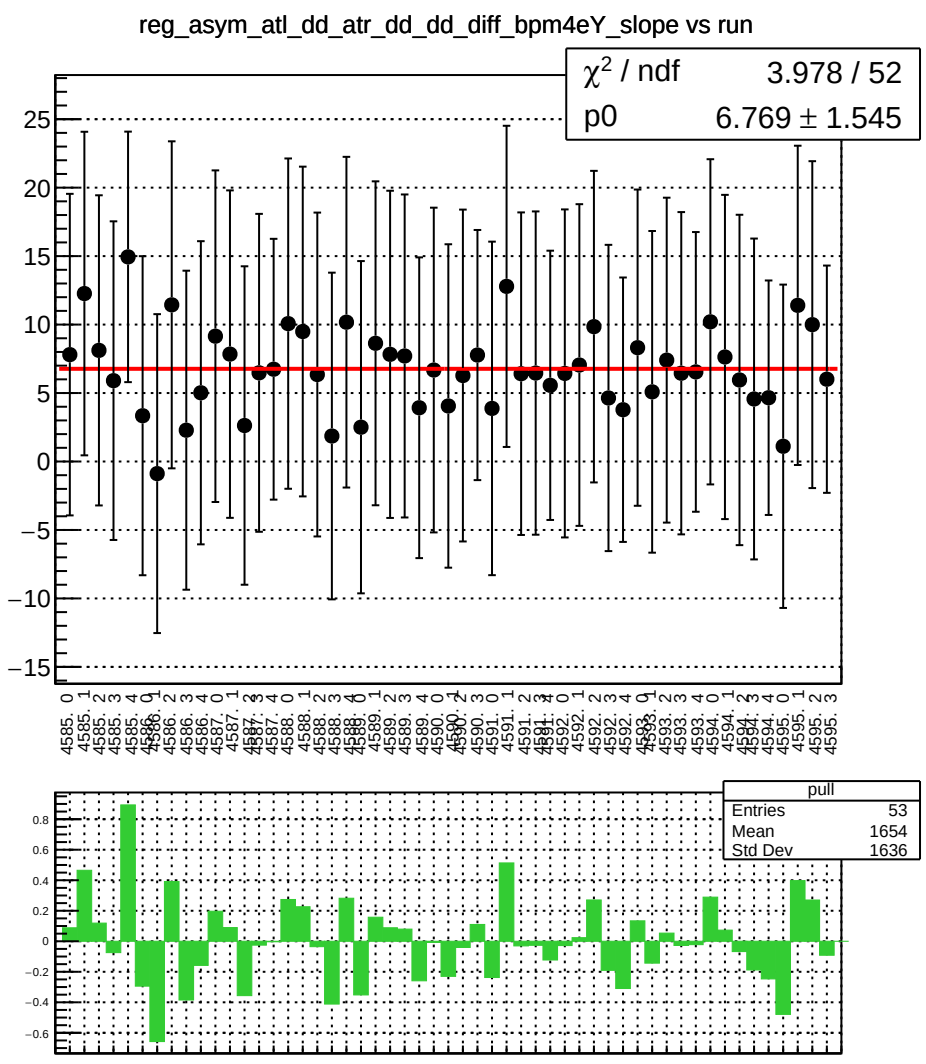

pull1D
Entries 53
Mean 0.007121
Std Dev 0.3035

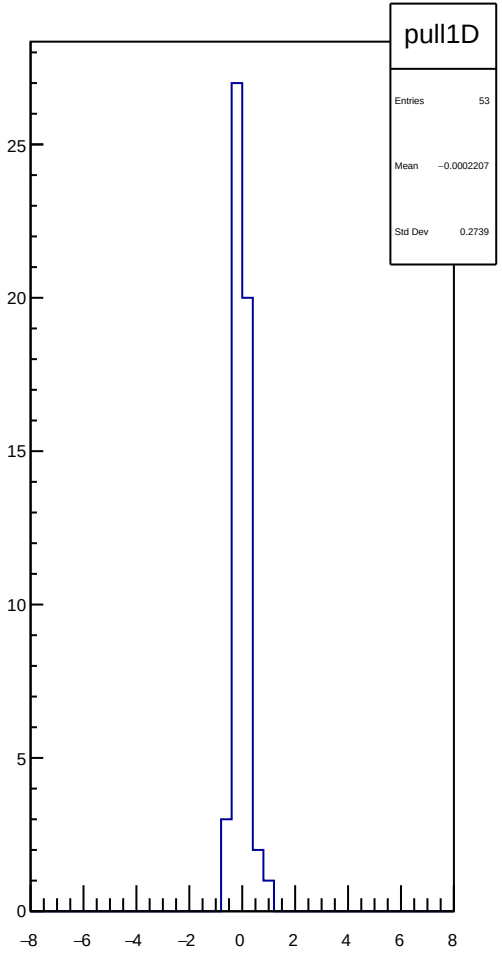

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.758 / 52
p0 4.451 ± 1.137
pull
Entries 53
Mean −229.1
Std Dev 263.6

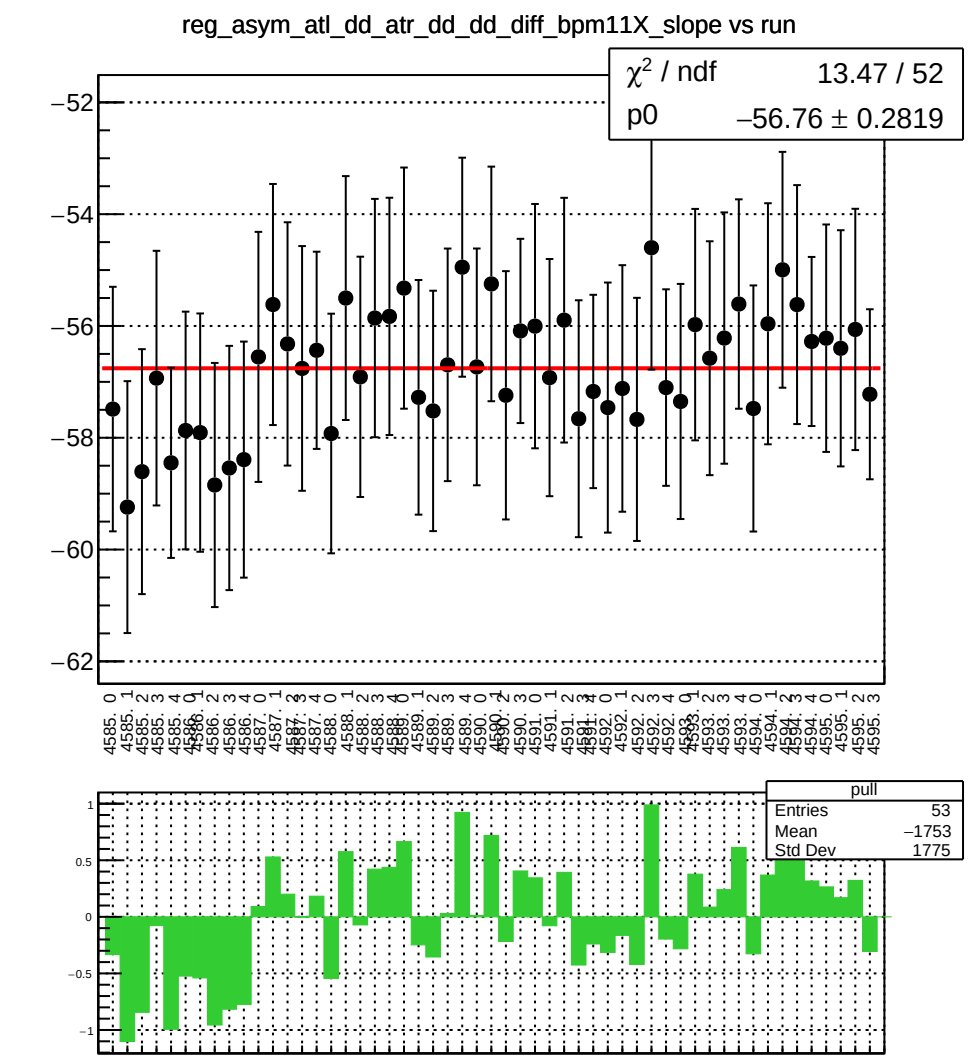

pull1D
Entries 53
Mean 0.0007295
Std Dev 0.2663

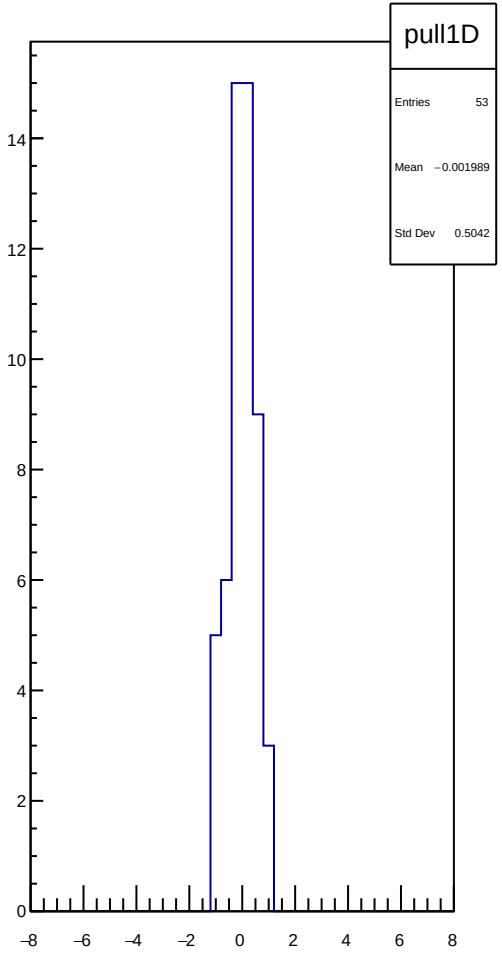

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.036 / 52
p0 83.06 ± 0.1765
pull
Entries 53
Mean −82.07
Std Dev 138.6

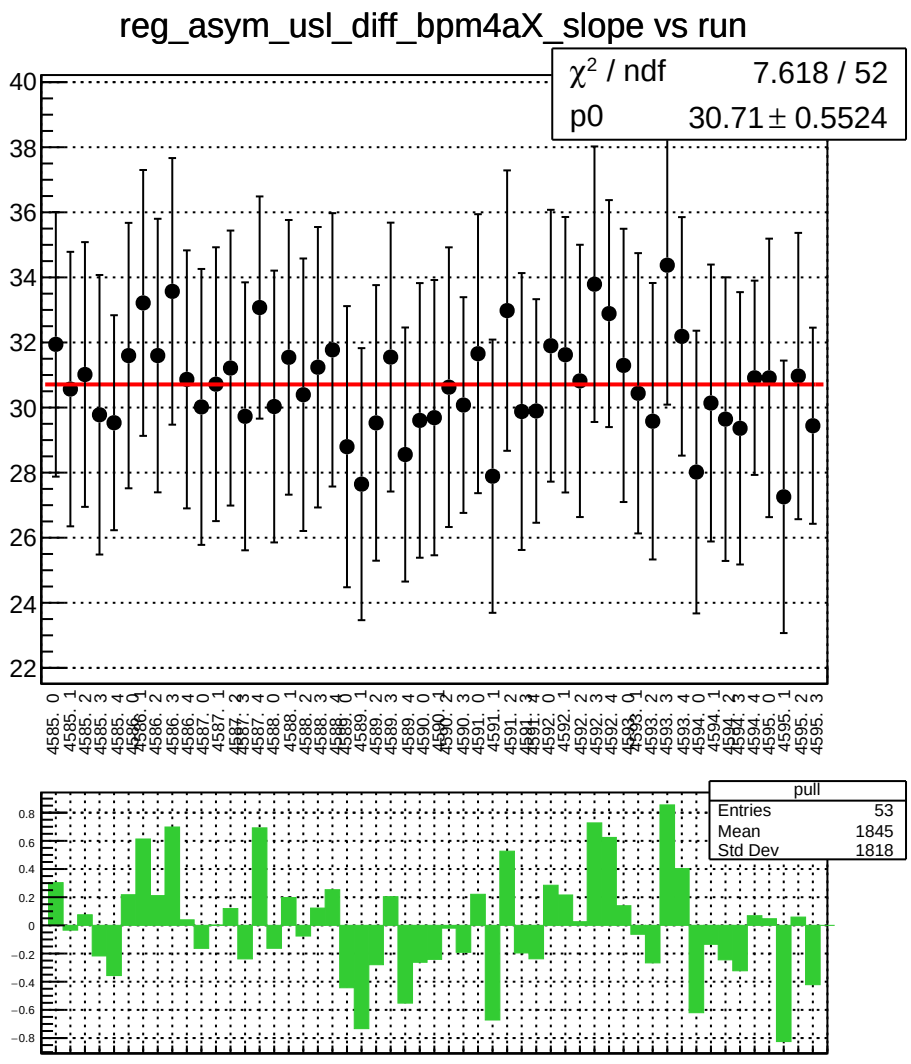

pull1D
Entries 53
Mean 0.004735
Std Dev 0.3893

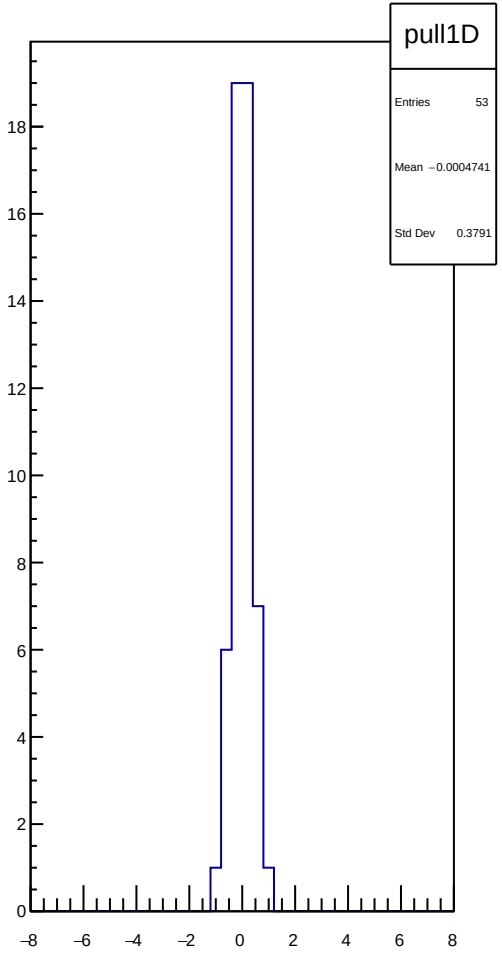

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.978 / 52
p0 6.769 ± 1.545
pull
Entries 53
Mean 1654
Std Dev 1636

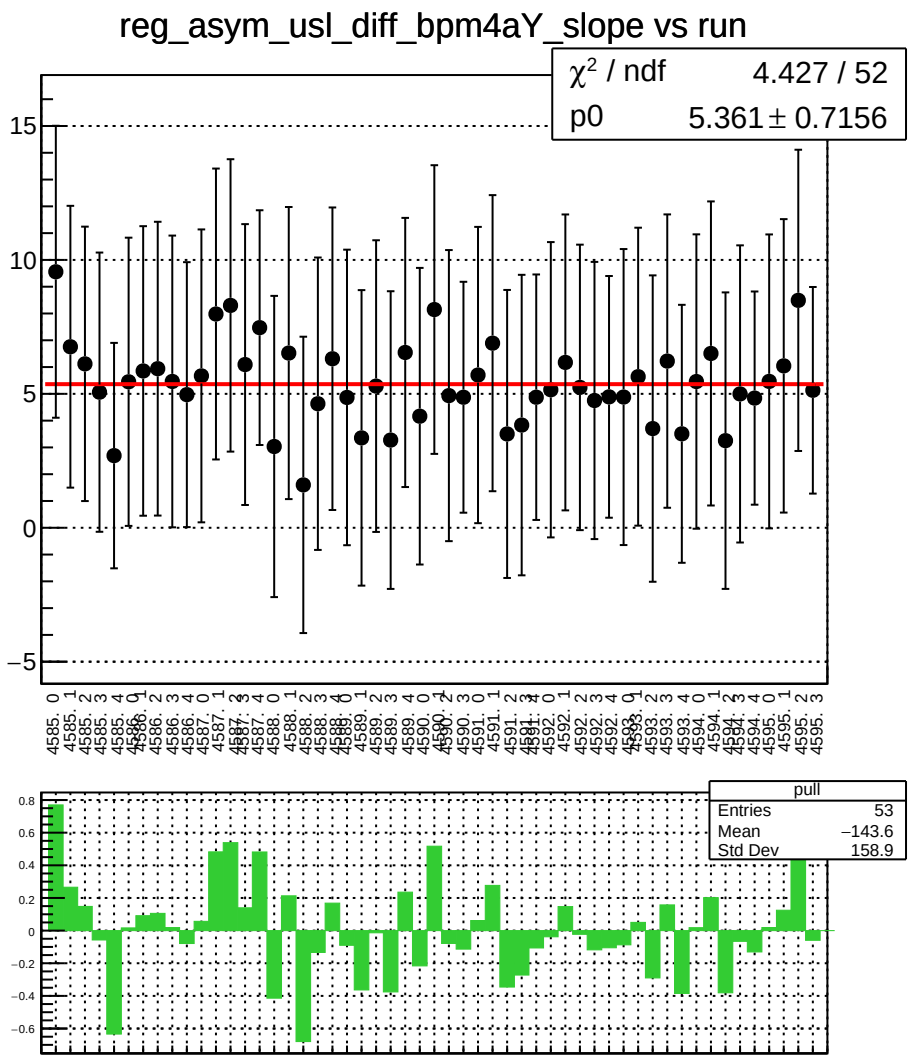

pull1D
Entries 53
Mean −0.0002207
Std Dev 0.2739

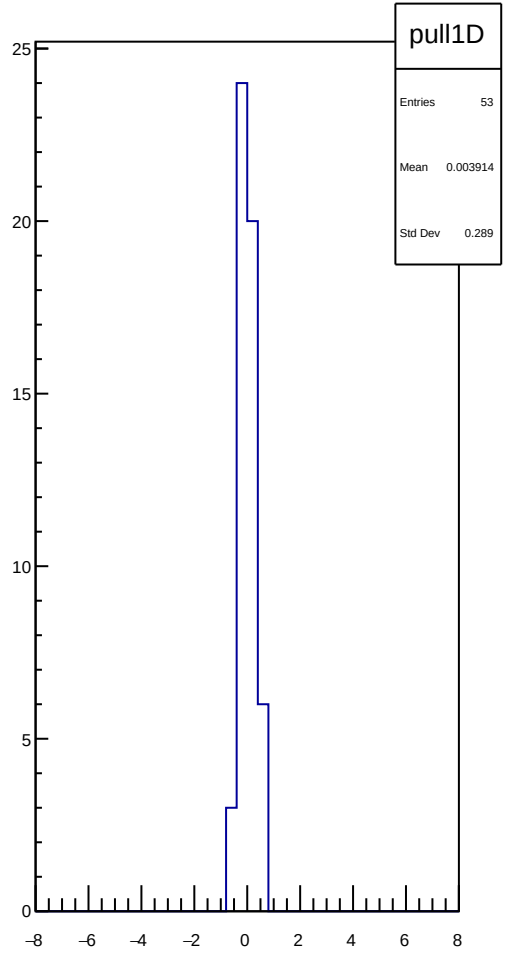

reg_asym_atl_dd_atr_dd_dd_diff_bpm11X_slope vs run
χ² / ndf 13.47 / 52
p0 −56.76 ± 0.2819
pull
Entries 53
Mean −1753
Std Dev 1775

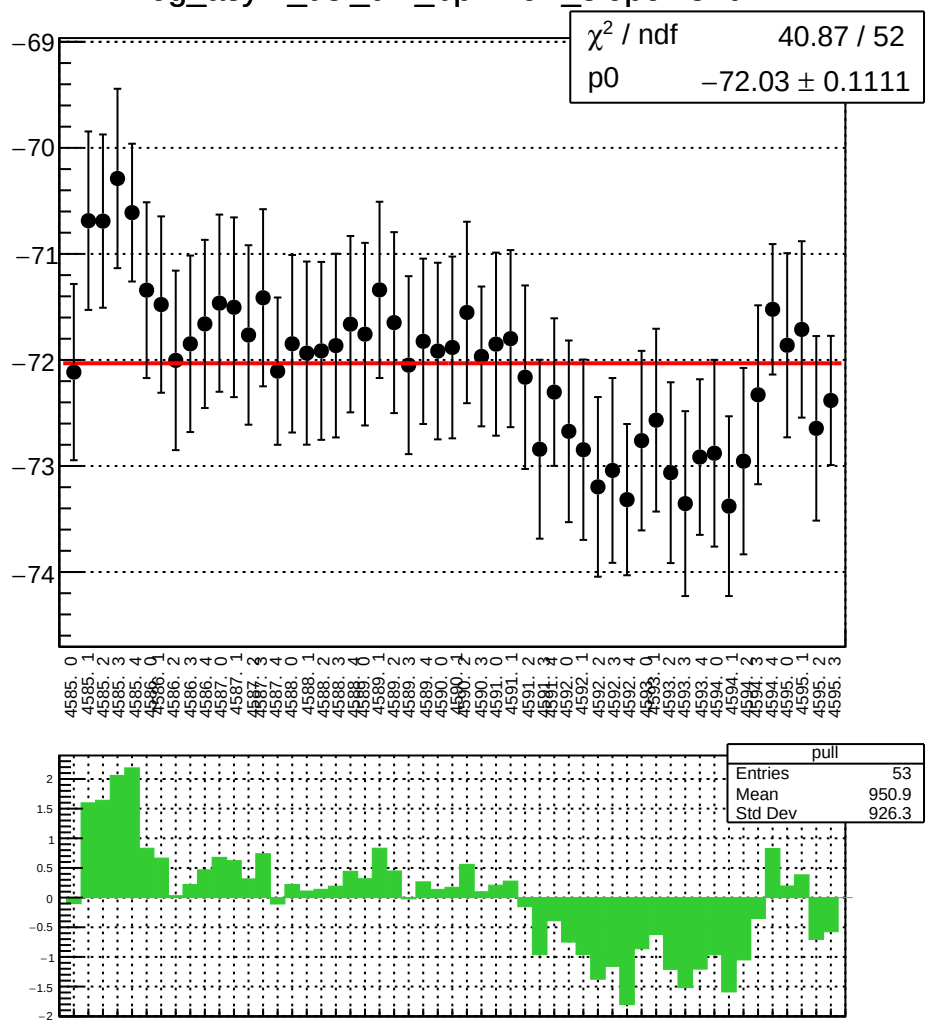

pull1D
Entries 53
Mean −0.001989
Std Dev 0.5042

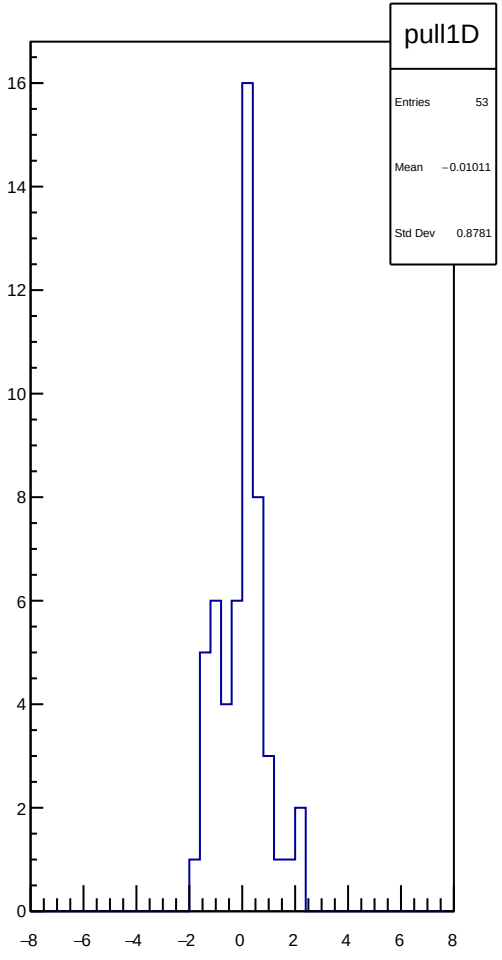

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 7.618 / 52
p0 30.71 ± 0.5524
pull
Entries 53
Mean 1845
Std Dev 1818

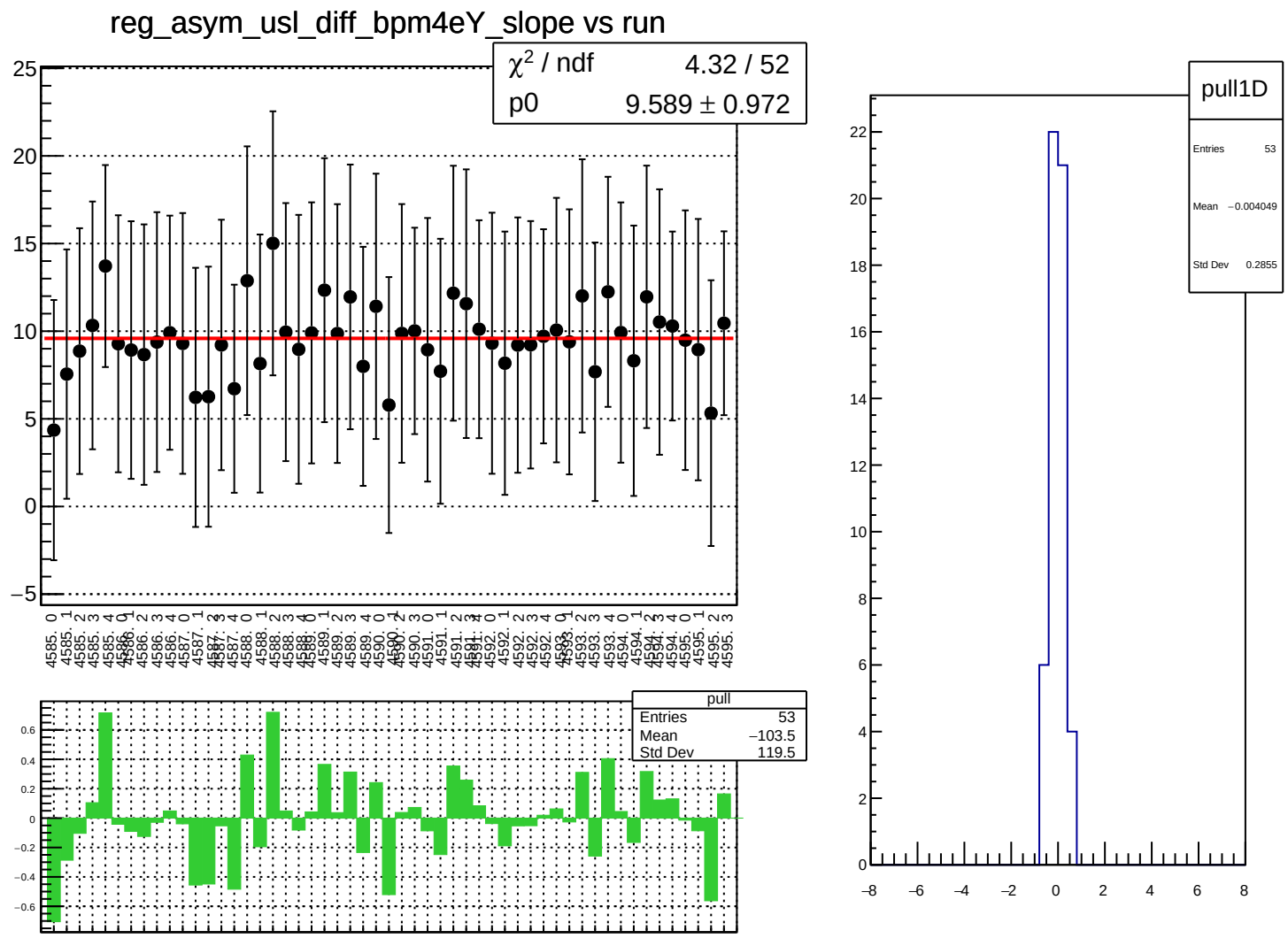

pull1D
Entries 53
Mean −0.0004741
Std Dev 0.3791

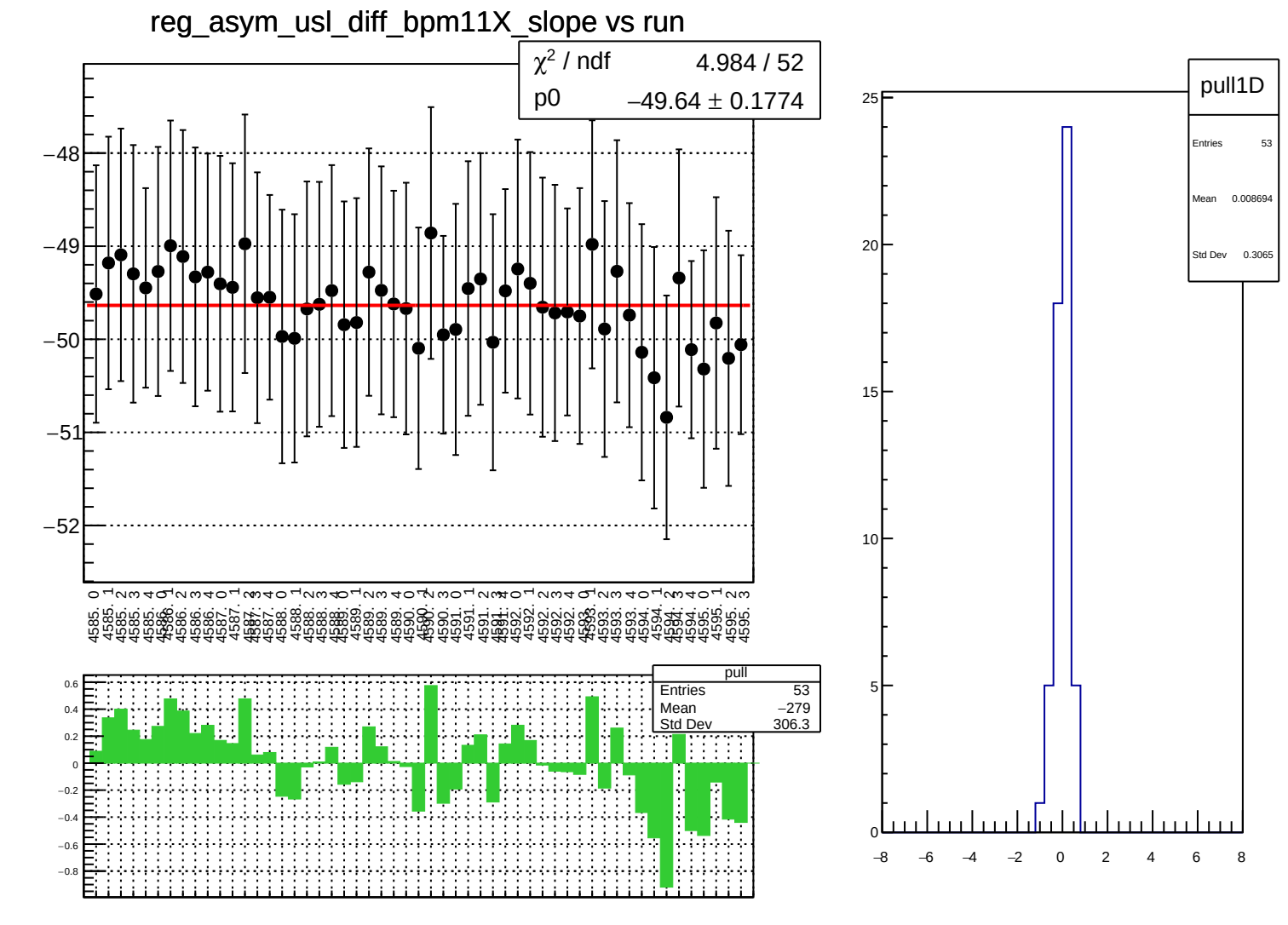

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 4.427 / 52
p0 5.361 ± 0.7156
pull
Entries 53
Mean −143.6
Std Dev 158.9

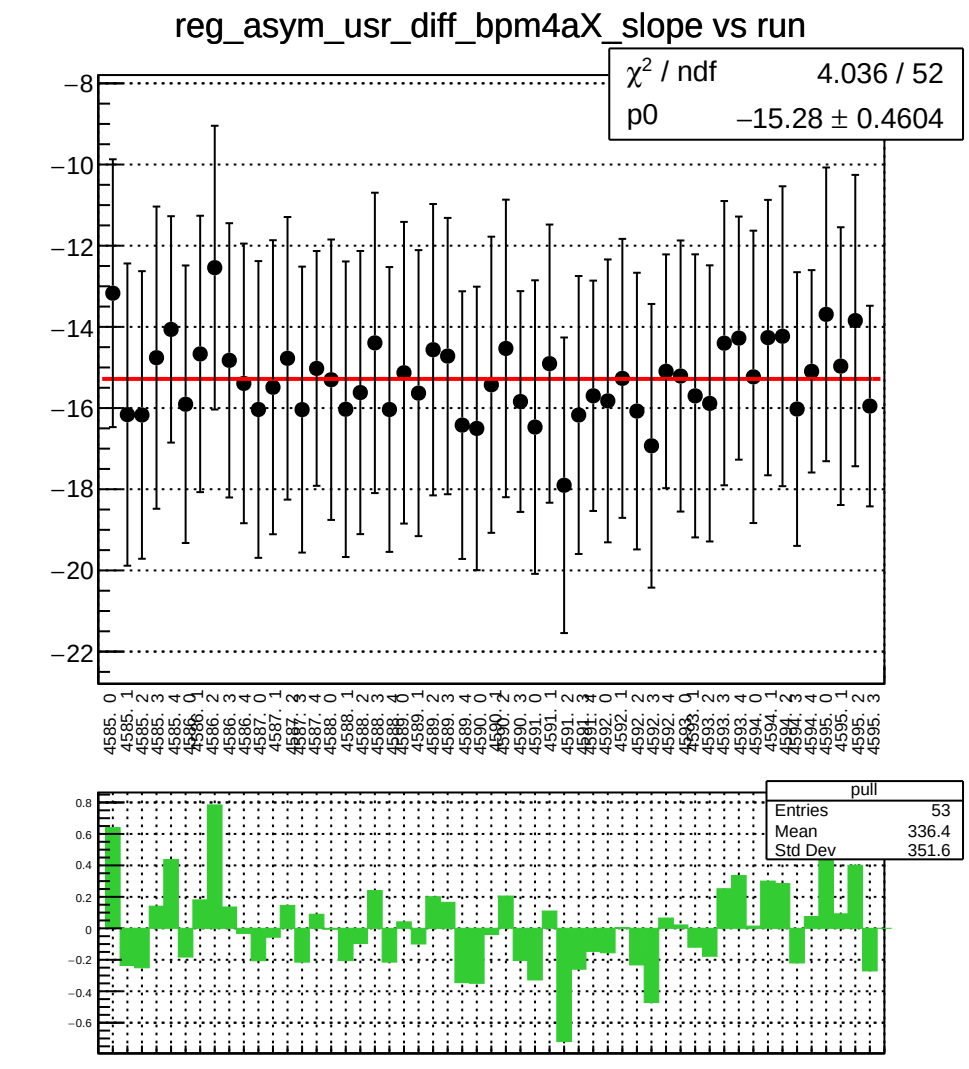

pull1D
Entries 53
Mean 0.003914
Std Dev 0.289

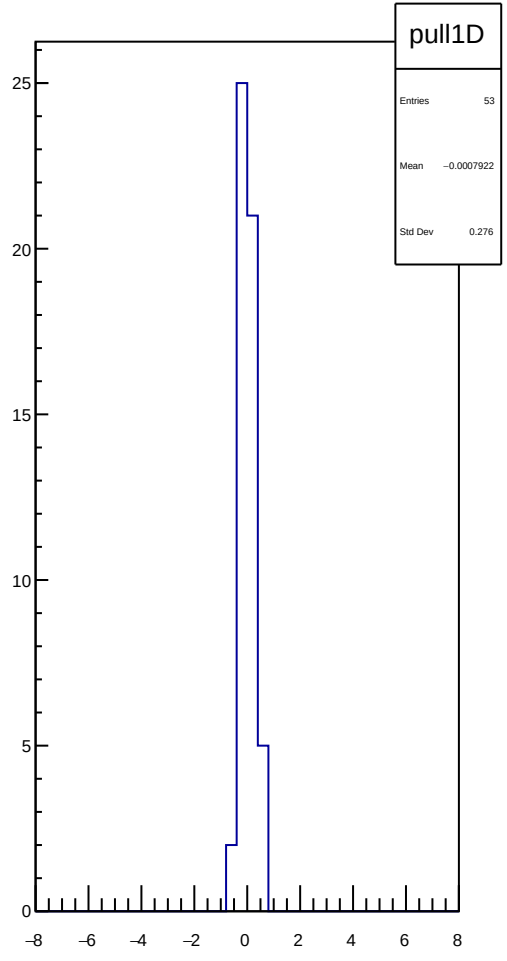

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 40.87 / 52
p0 −72.03 ± 0.1111
pull
Entries 53
Mean 950.9
Std Dev 926.3

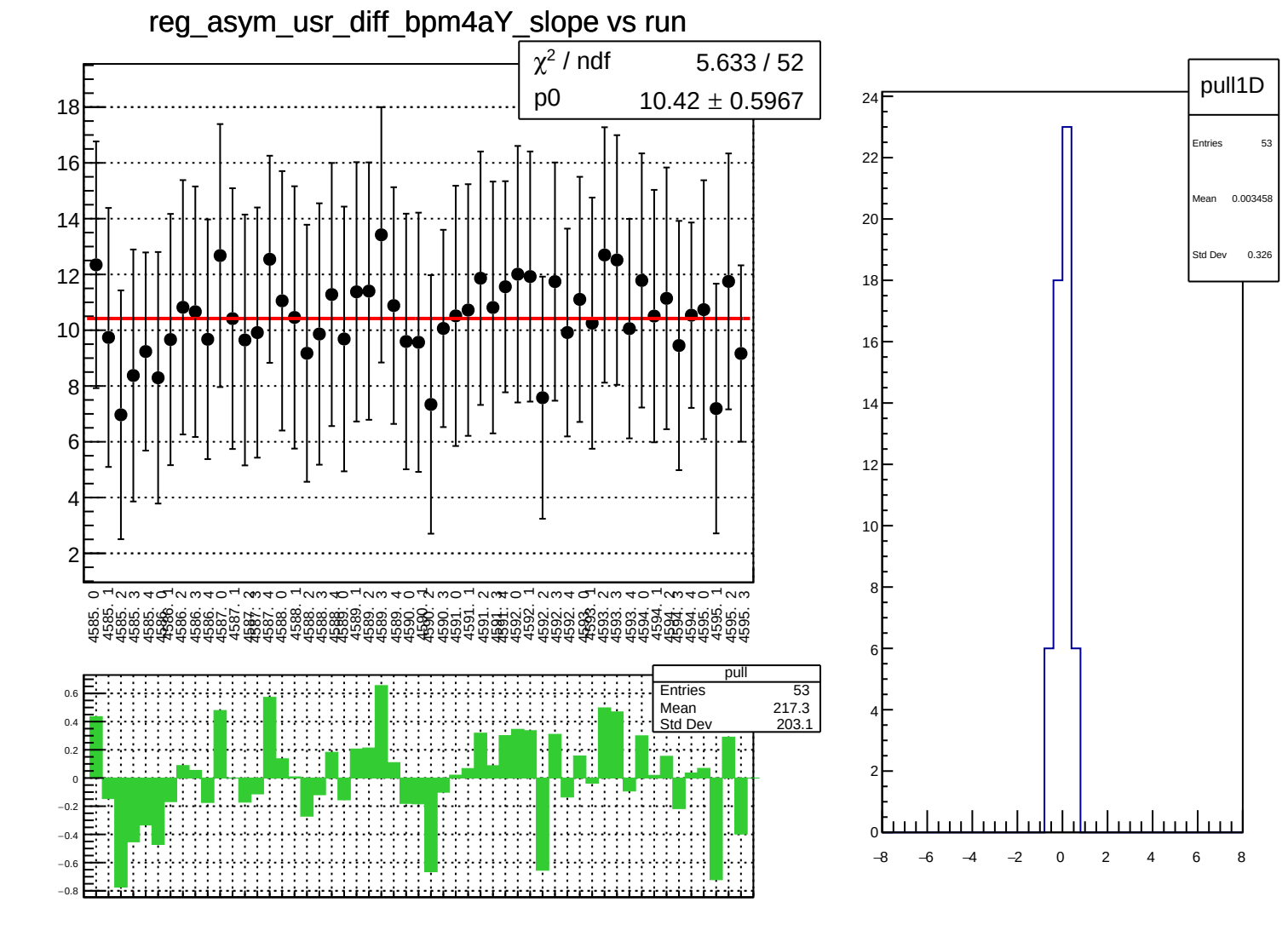

pull1D
Entries 53
Mean −0.01011
Std Dev 0.8781

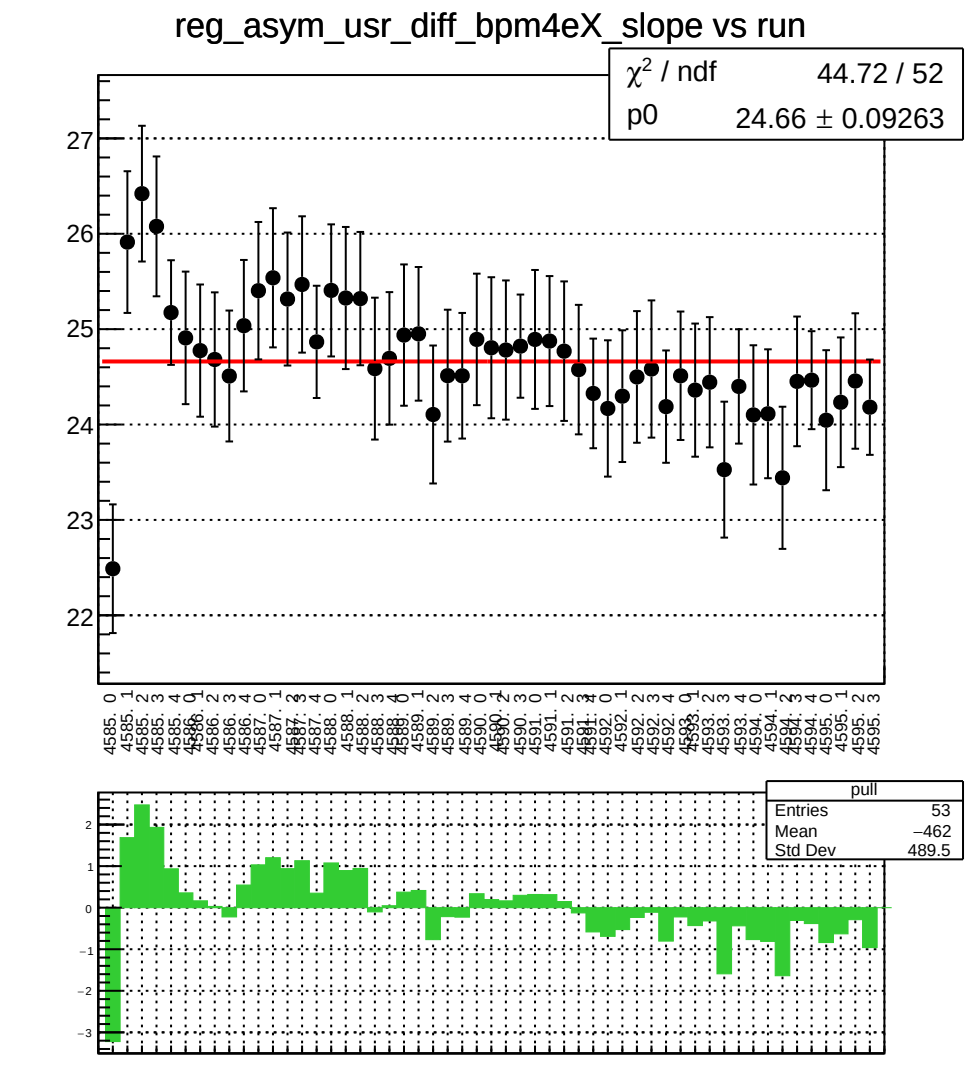

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 4.32 / 52
p0 9.589 ± 0.972
pull
Entries 53
Mean −103.5
Std Dev 119.5
pull1D
Entries 53
Mean −0.004049
Std Dev 0.2855

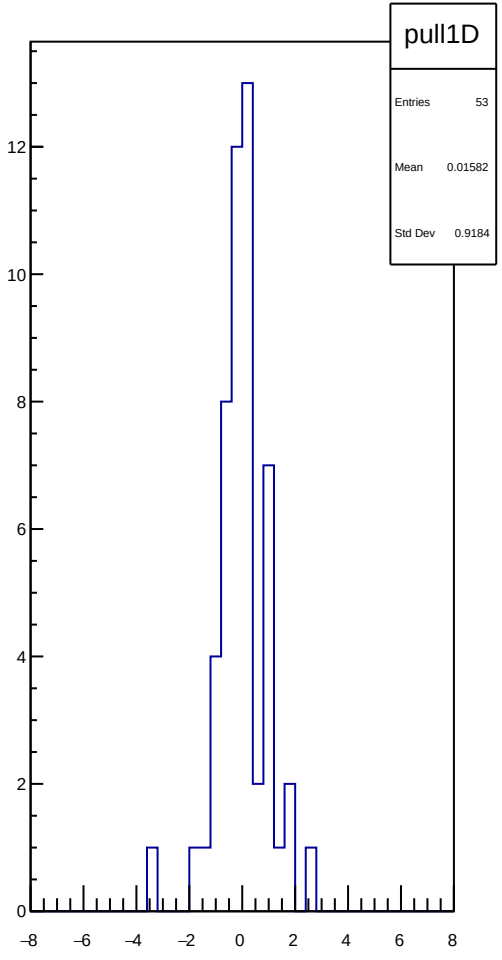

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 4.984 / 52
p0 −49.64 ± 0.1774
−48
−49
−50
−51
−52
pull
Entries 53
Mean −279
Std Dev 306.3
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 53
Mean 0.008694
Std Dev 0.3065
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

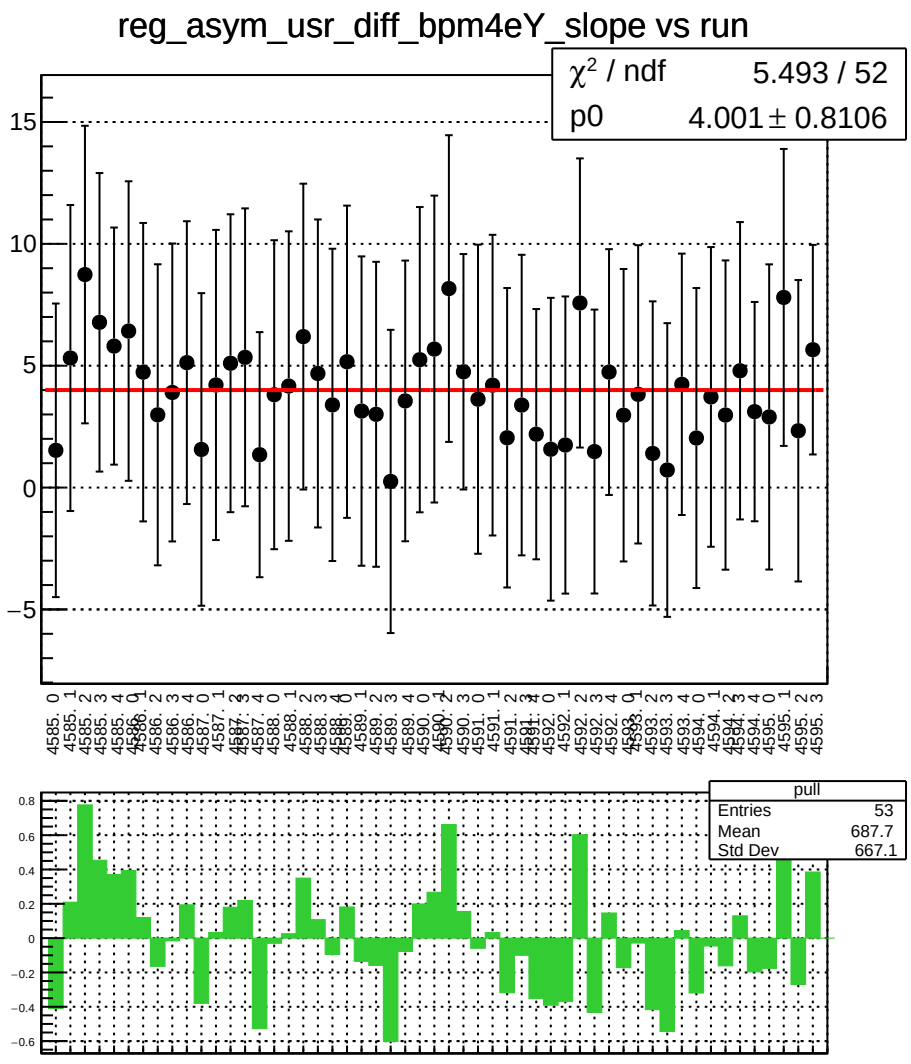

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 4.036 / 52
p0 −15.28 ± 0.4604
pull
Entries 53
Mean 336.4
Std Dev 351.6

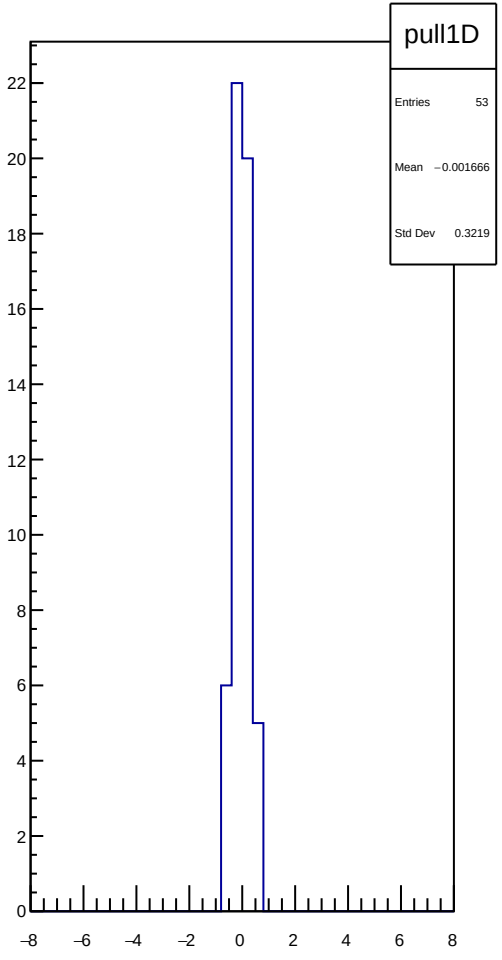

pull1D
Entries 53
Mean −0.0007922
Std Dev 0.276

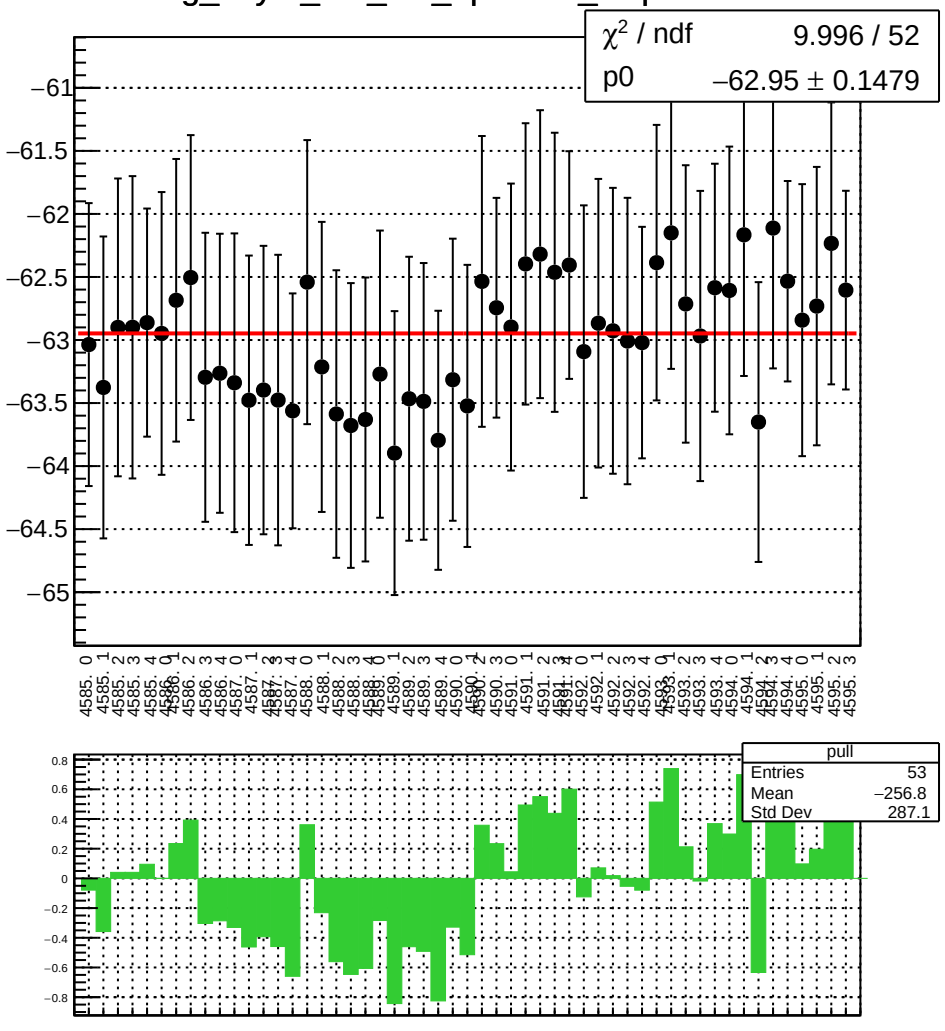

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 5.633 / 52
p0 10.42 ± 0.5967
pull
Entries 53
Mean 217.3
Std Dev 203.1
pull1D
Entries 53
Mean 0.003458
Std Dev 0.326

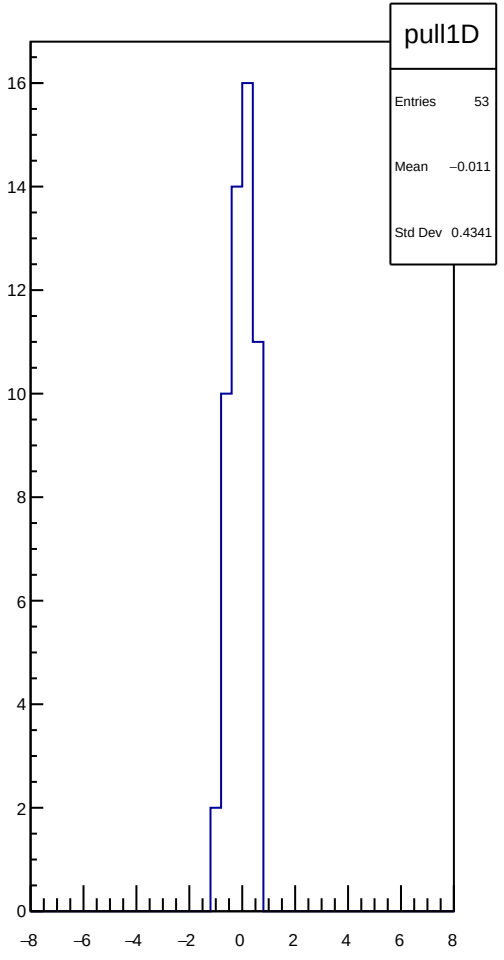

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 44.72 / 52
p0 24.66 ± 0.09263
pull
Entries 53
Mean −462
Std Dev 489.5

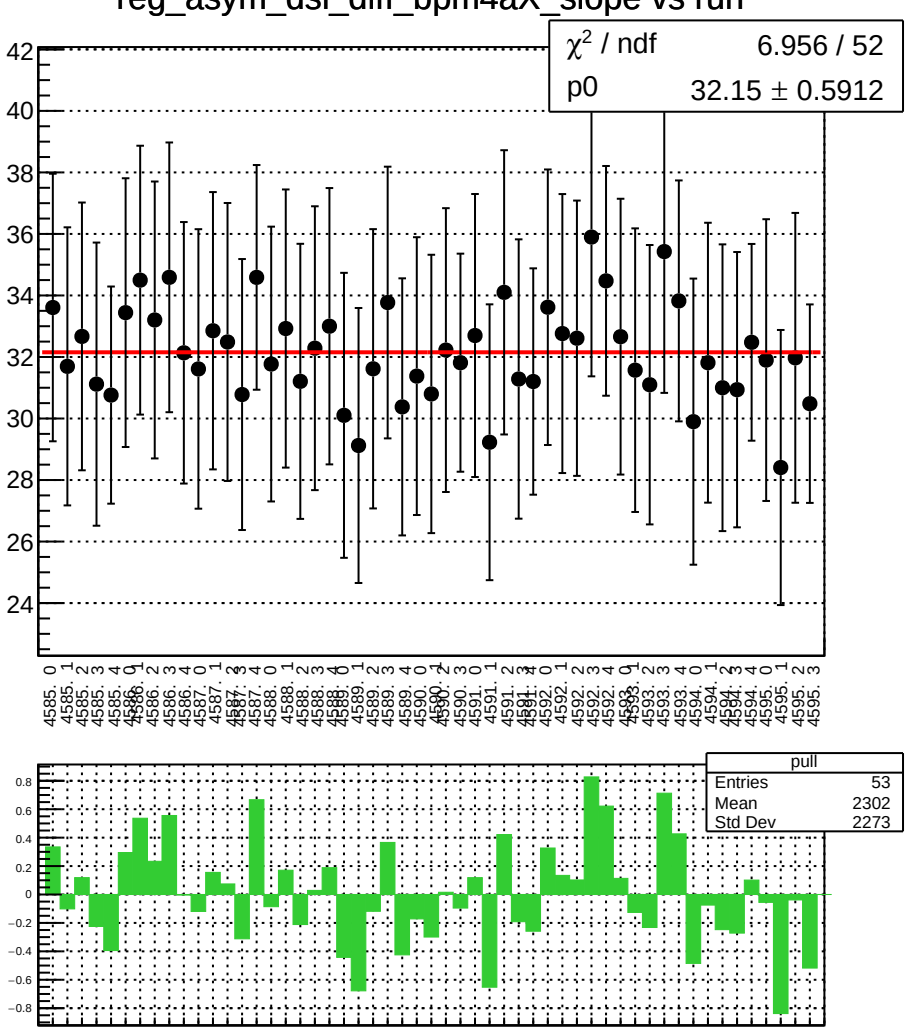

pull1D
Entries 53
Mean 0.01582
Std Dev 0.9184

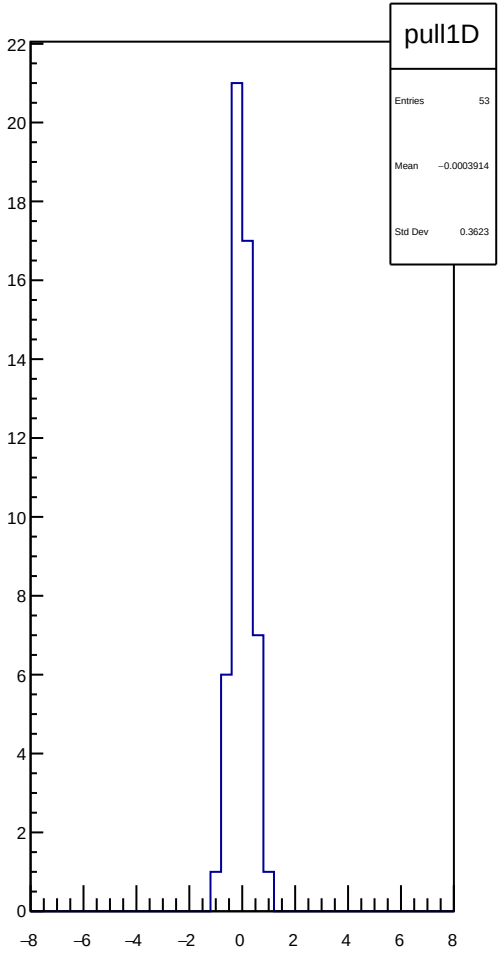

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 5.493 / 52
p0 4.001 ± 0.8106
pull
Entries 53
Mean 687.7
Std Dev 667.1

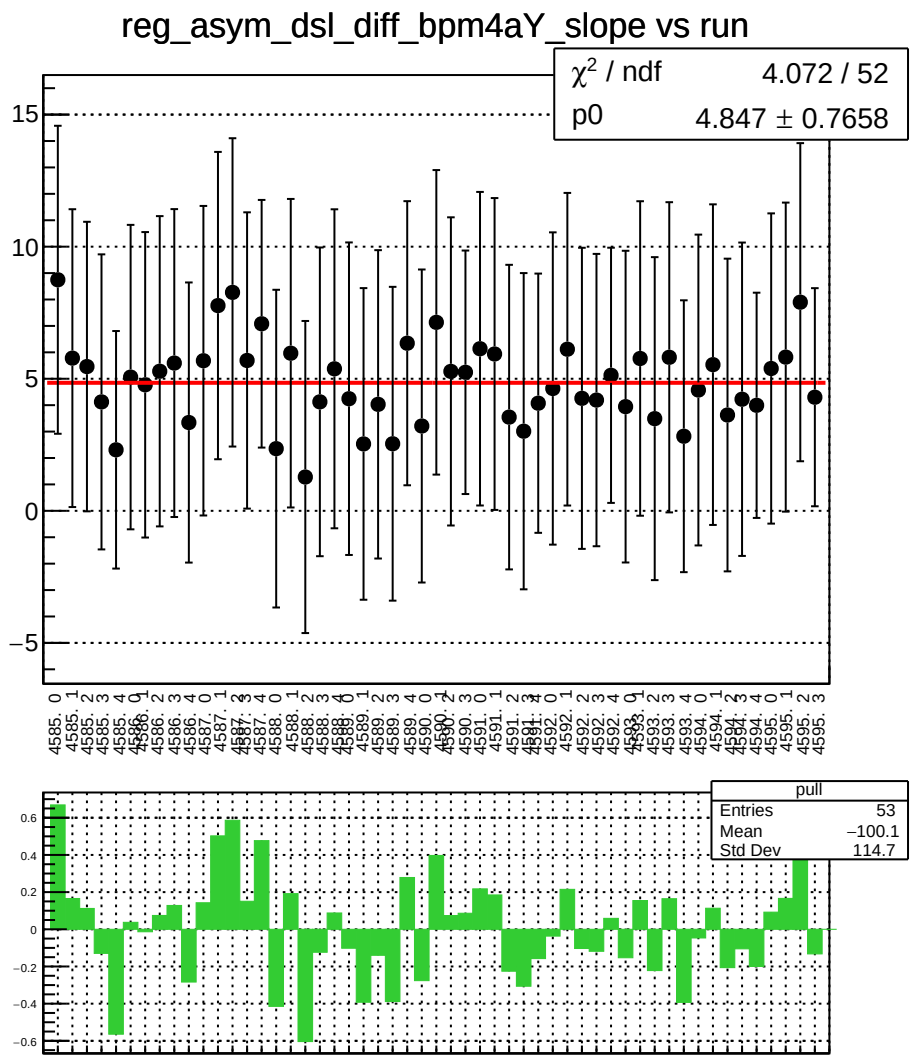

pull1D
Entries 53
Mean −0.001666
Std Dev 0.3219

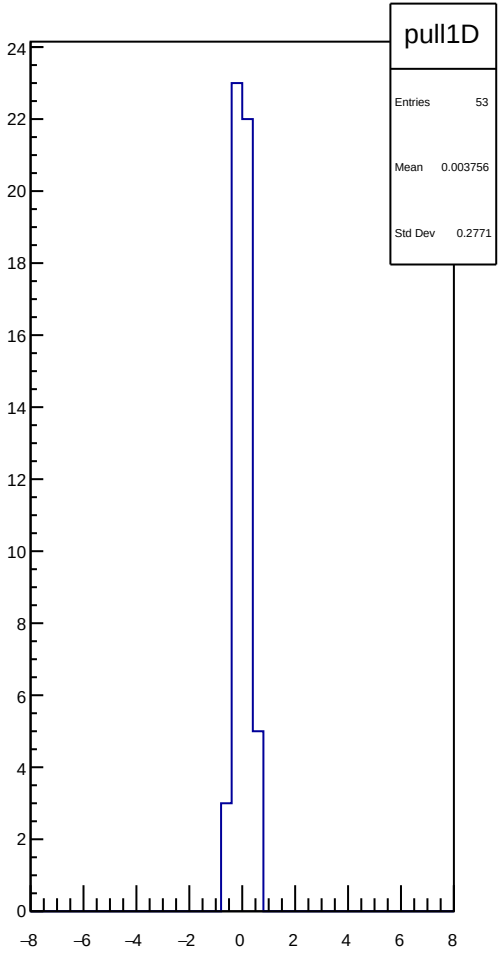

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 9.996 / 52
p0 −62.95 ± 0.1479
pull
Entries 53
Mean −256.8
Std Dev 287.1

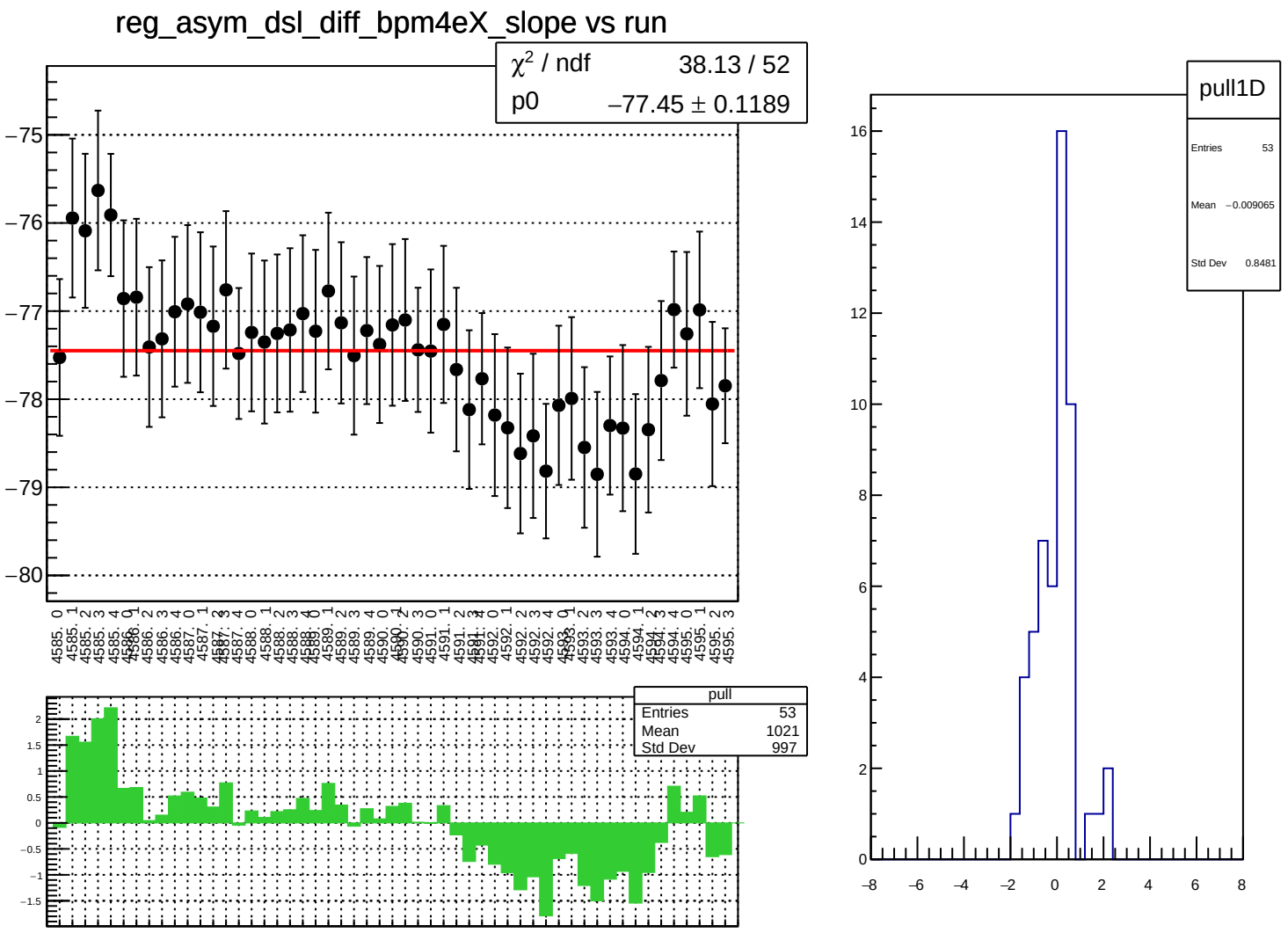

pull1D
Entries 53
Mean −0.011
Std Dev 0.4341

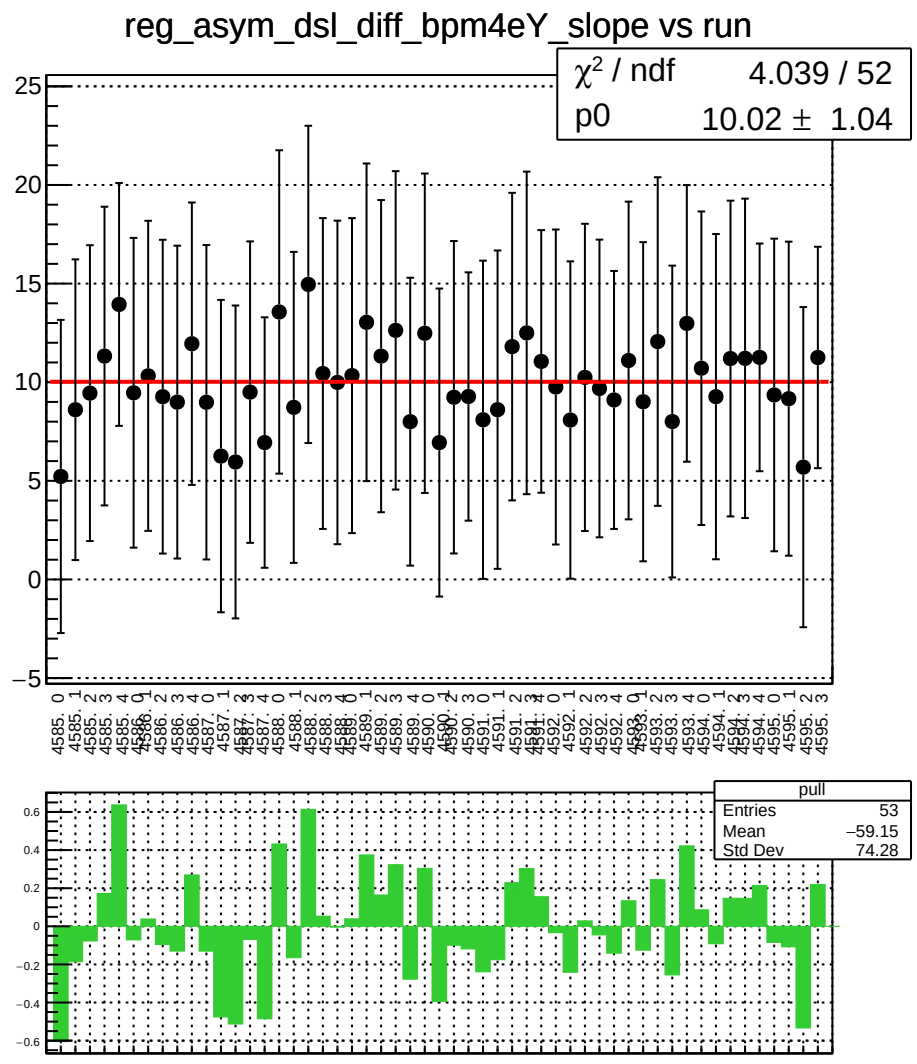

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 6.956 / 52
p0 32.15 ± 0.5912
pull
Entries 53
Mean 2302
Std Dev 2273

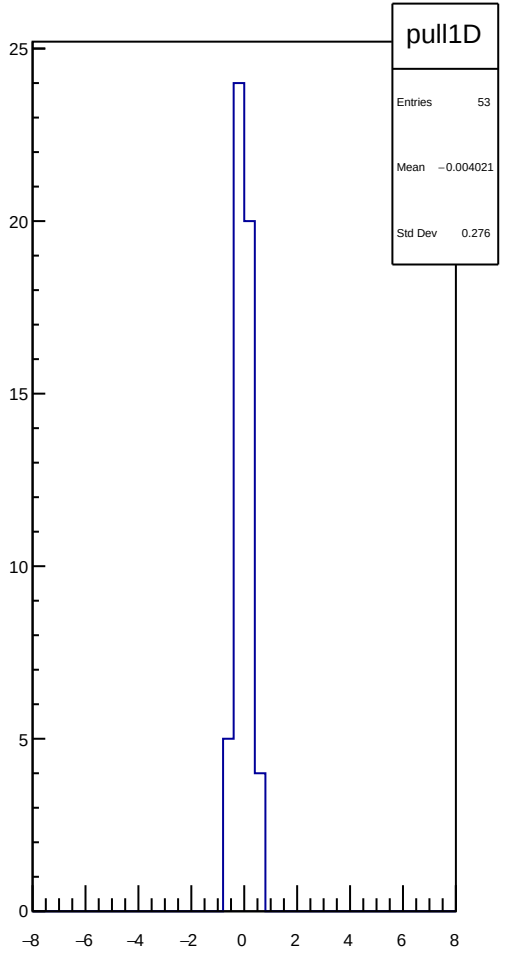

pull1D
Entries 53
Mean −0.0003914
Std Dev 0.3623

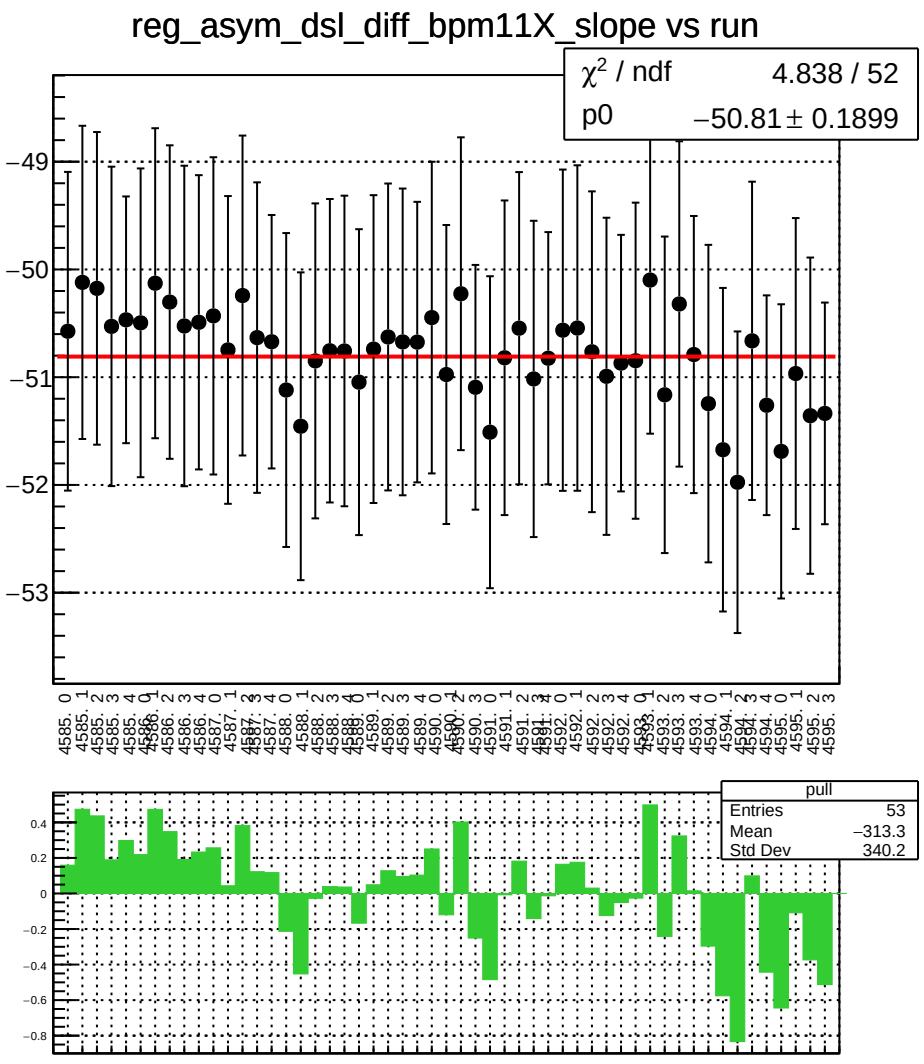

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 4.072 / 52
p0 4.847 ± 0.7658
pull
Entries 53
Mean −100.1
Std Dev 114.7

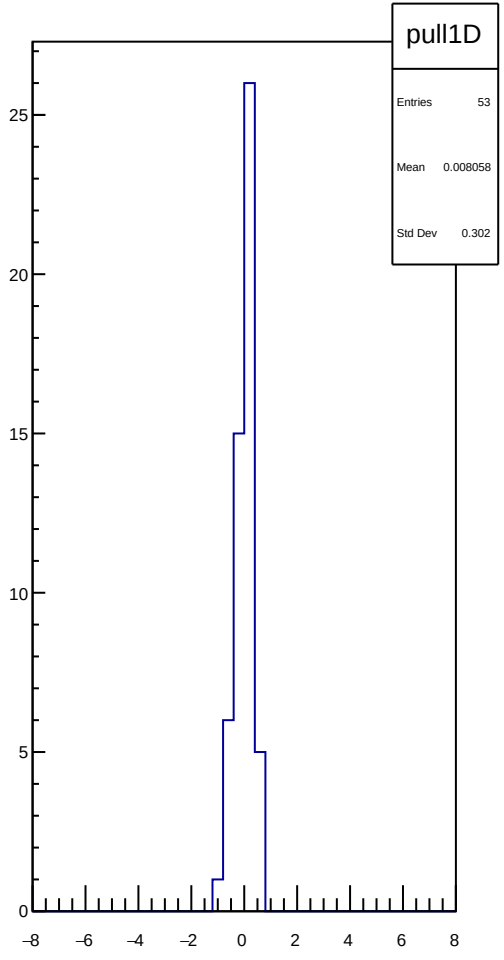

pull1D
Entries 53
Mean 0.003756
Std Dev 0.2771

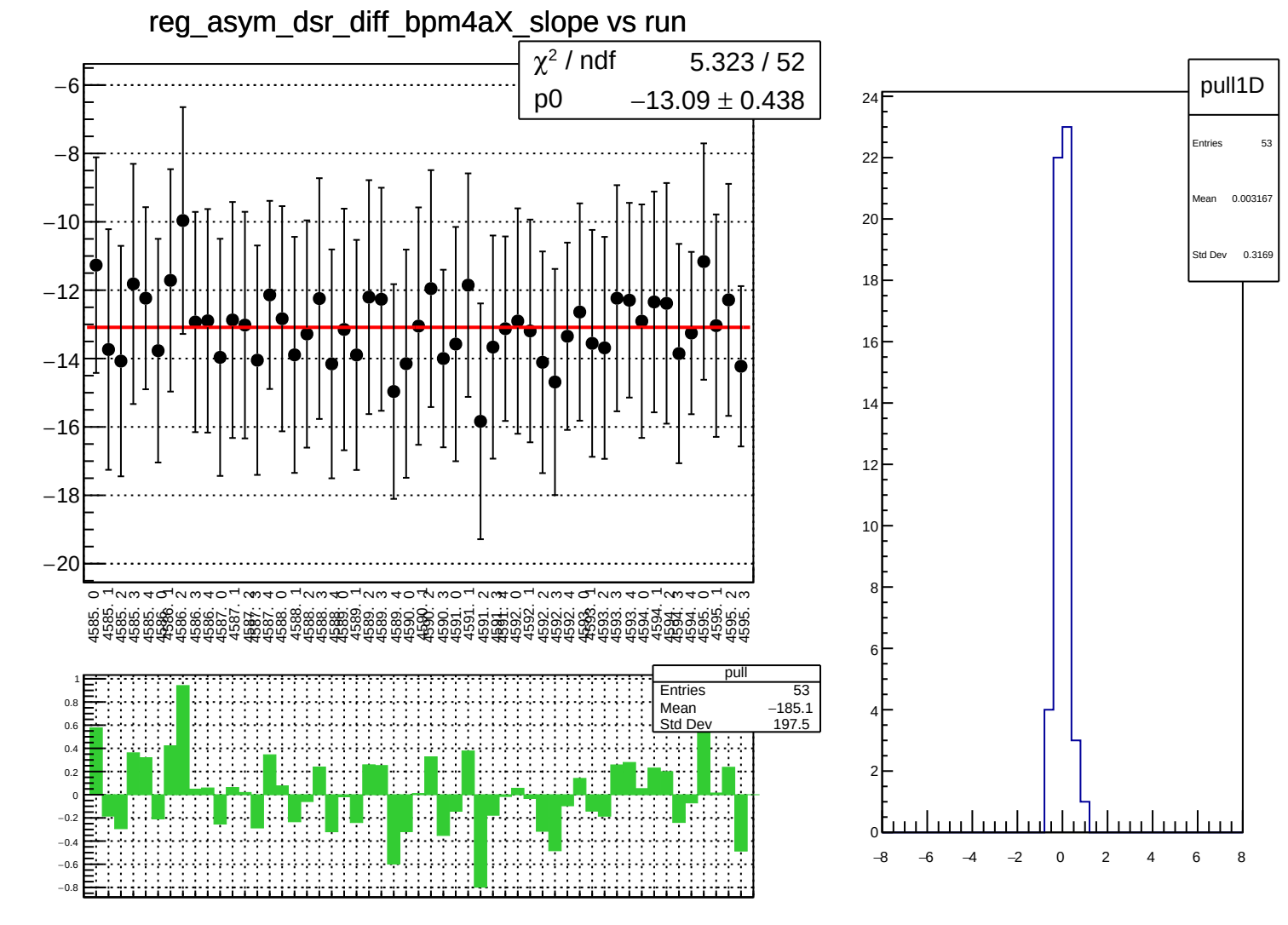

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 38.13 / 52
p0 −77.45 ± 0.1189
pull
Entries 53
Mean 1021
Std Dev 997
pull1D
Entries 53
Mean −0.009065
Std Dev 0.8481

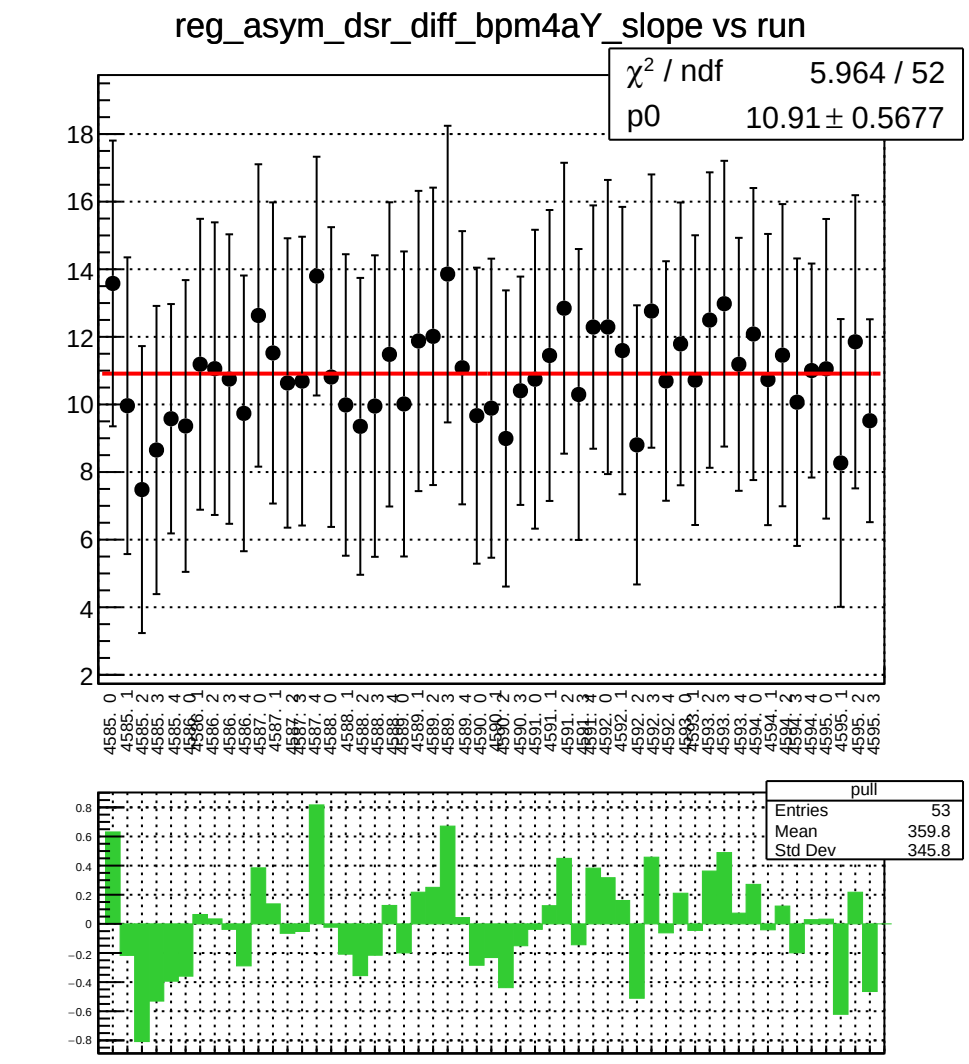

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 4.039 / 52
p0 10.02 ± 1.04
pull
Entries 53
Mean −59.15
Std Dev 74.28

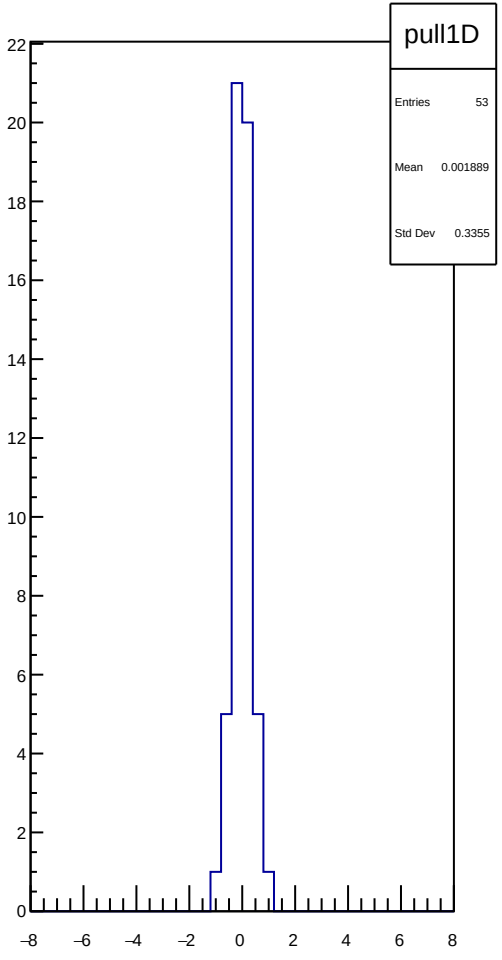

pull1D
Entries 53
Mean −0.004021
Std Dev 0.276

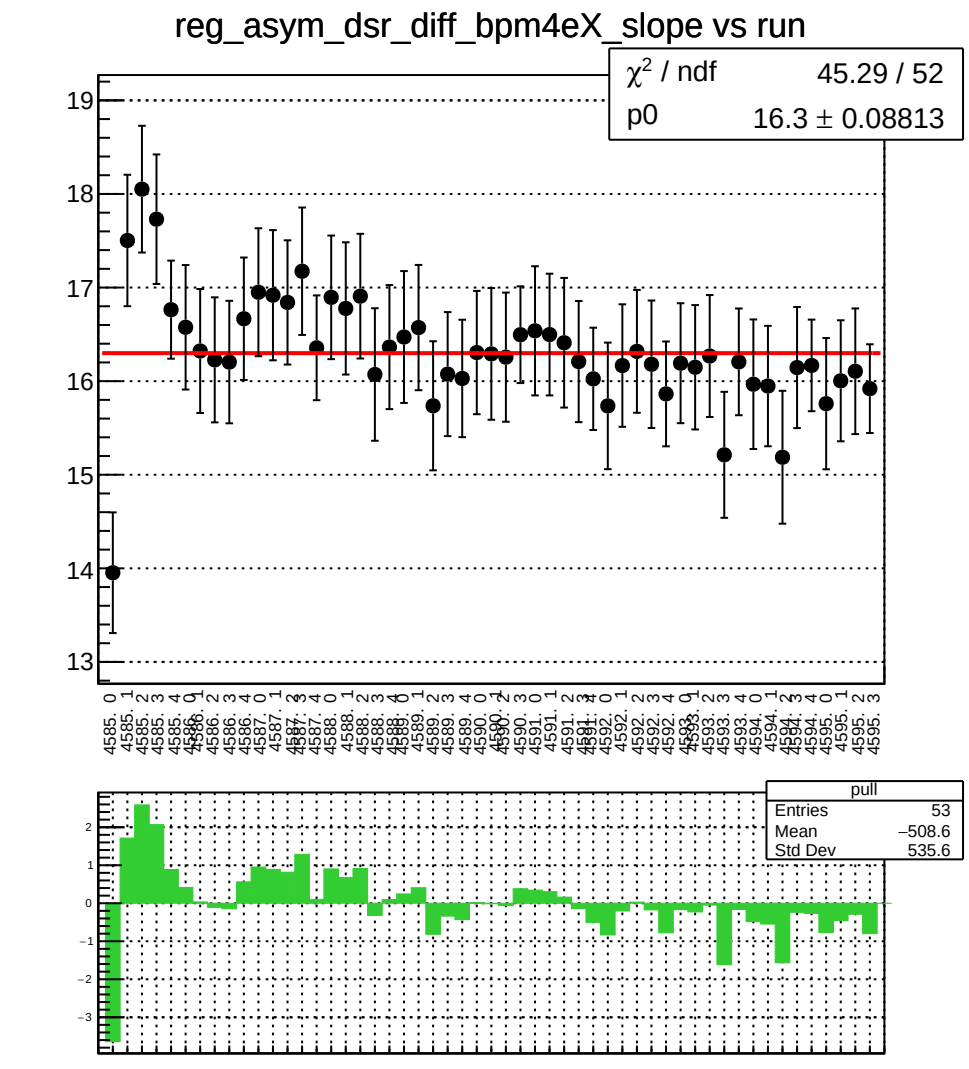

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 4.838 / 52
p0 −50.81 ± 0.1899
−49
−50
−51
−52
−53
pull
Entries 53
Mean −313.3
Std Dev 340.2
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

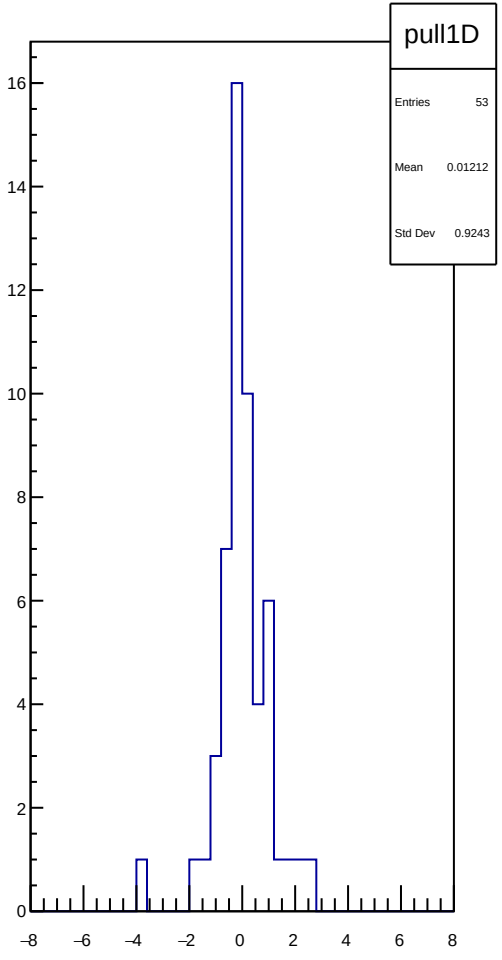

pull1D
Entries 53
Mean 0.008058
Std Dev 0.302
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

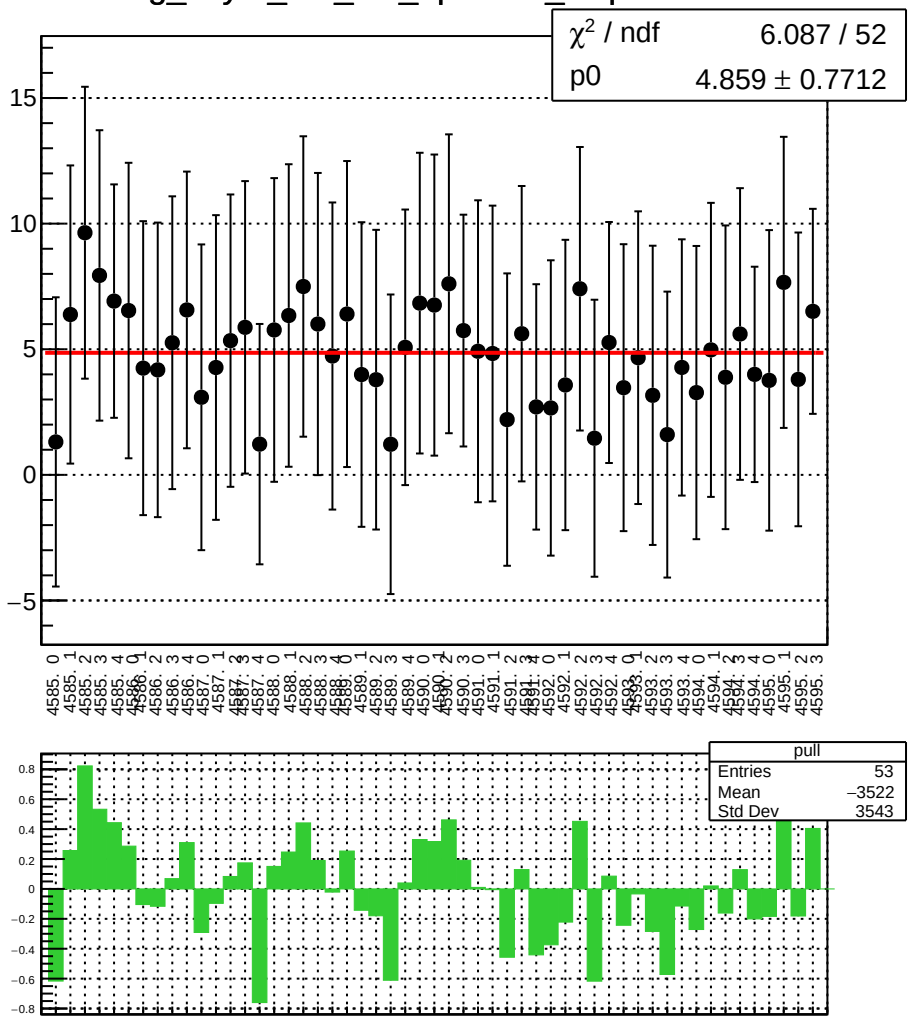

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 5.323 / 52
p0 −13.09 ± 0.438
pull
Entries 53
Mean −185.1
Std Dev 197.5
pull1D
Entries 53
Mean 0.003167
Std Dev 0.3169

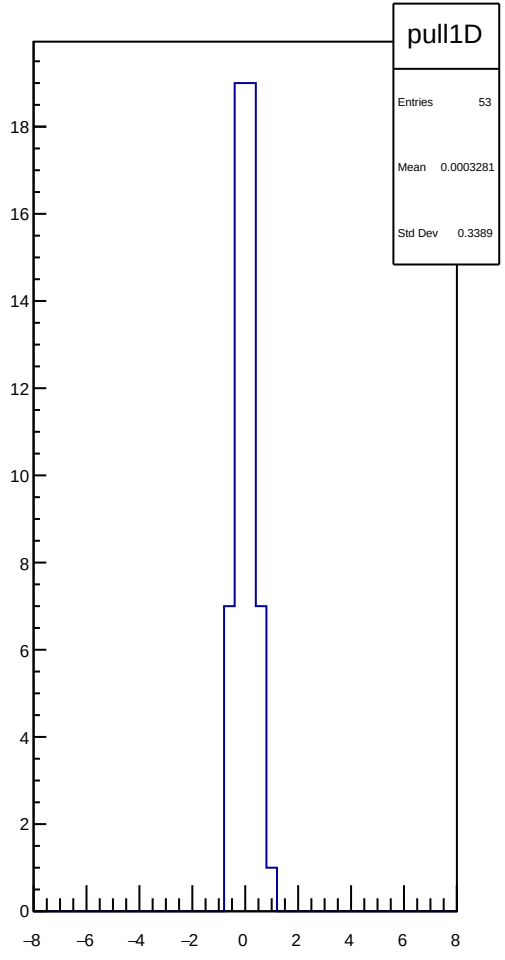

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 5.964 / 52
p0 10.91 ± 0.5677
pull
Entries 53
Mean 359.8
Std Dev 345.8

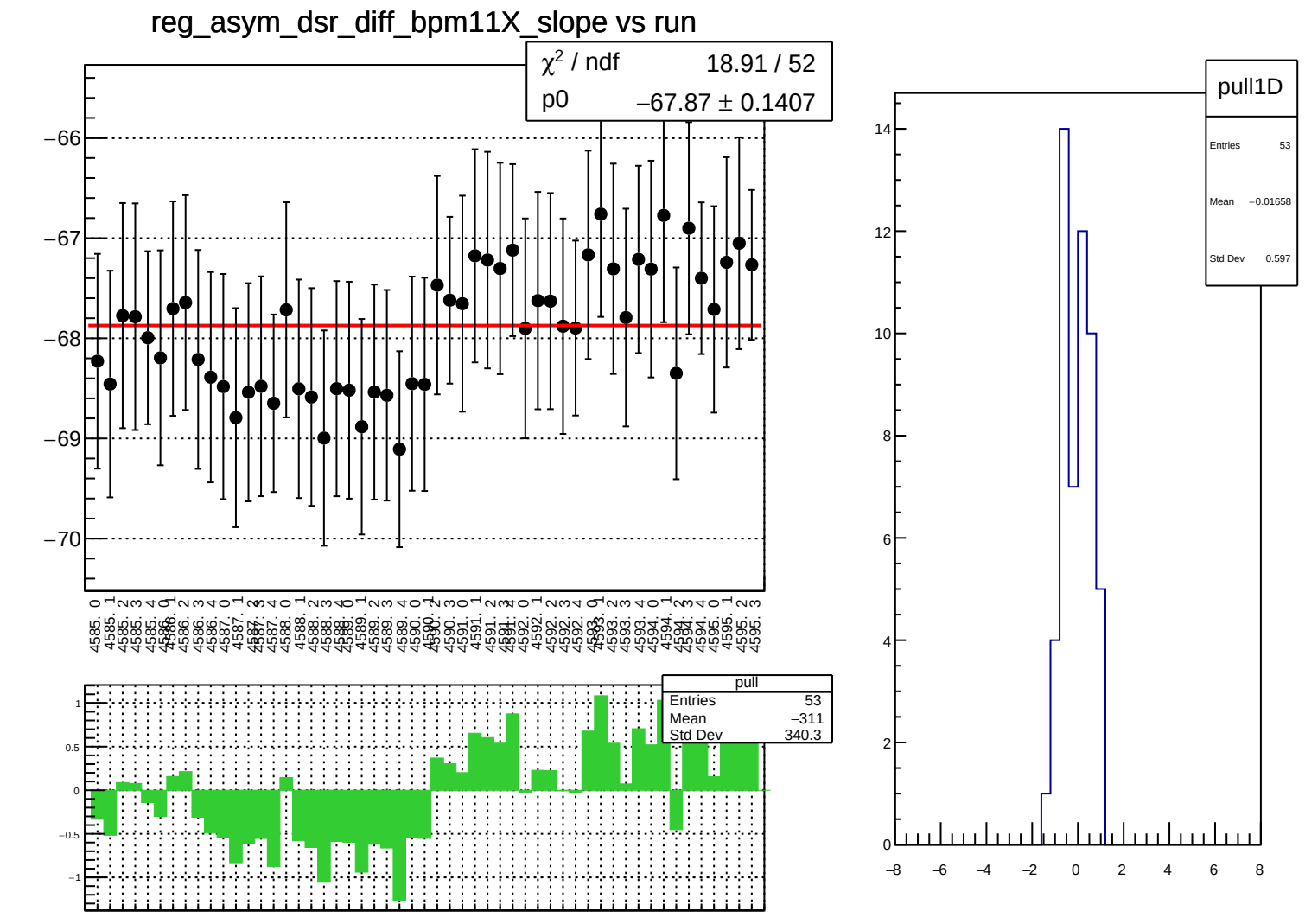

pull1D
Entries 53
Mean 0.001889
Std Dev 0.3355

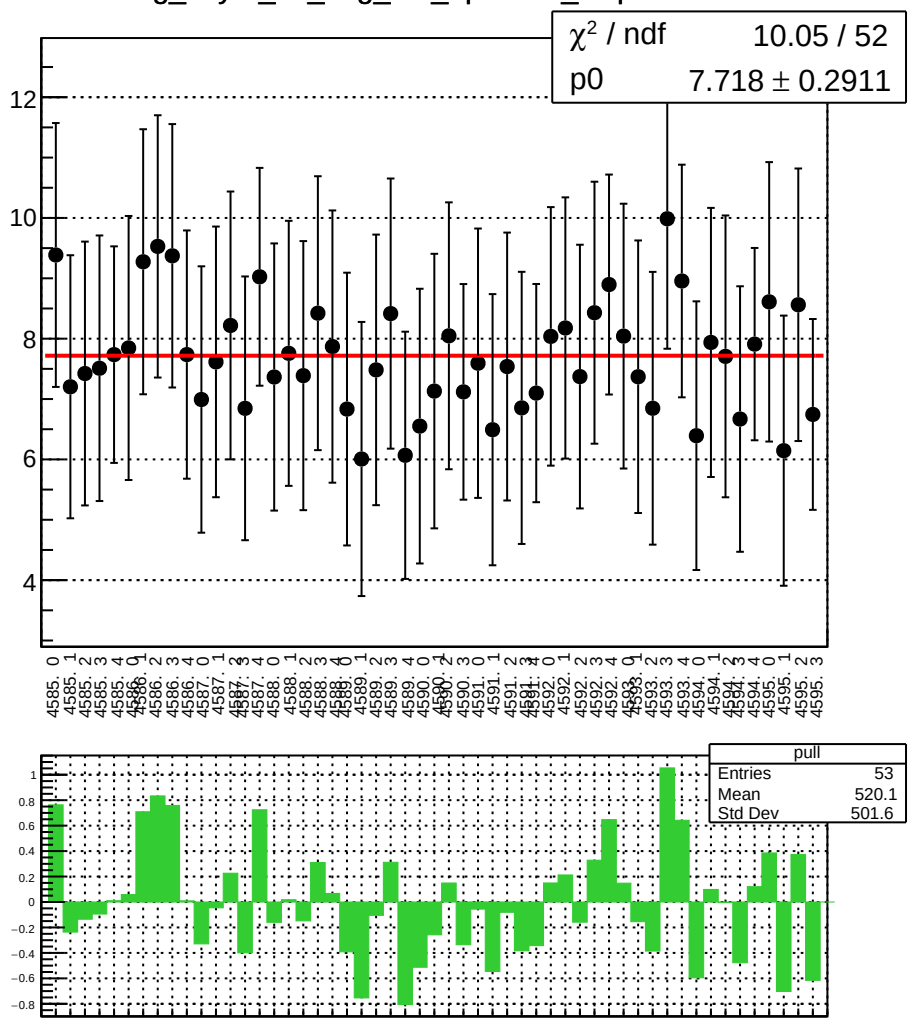

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 45.29 / 52
p0 16.3 ± 0.08813
pull
Entries 53
Mean −508.6
Std Dev 535.6

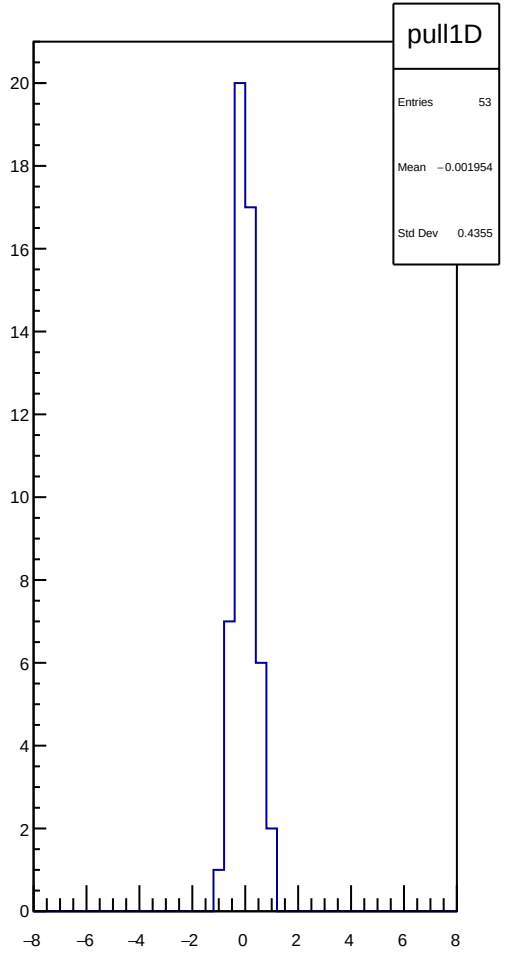

pull1D
Entries 53
Mean 0.01212
Std Dev 0.9243

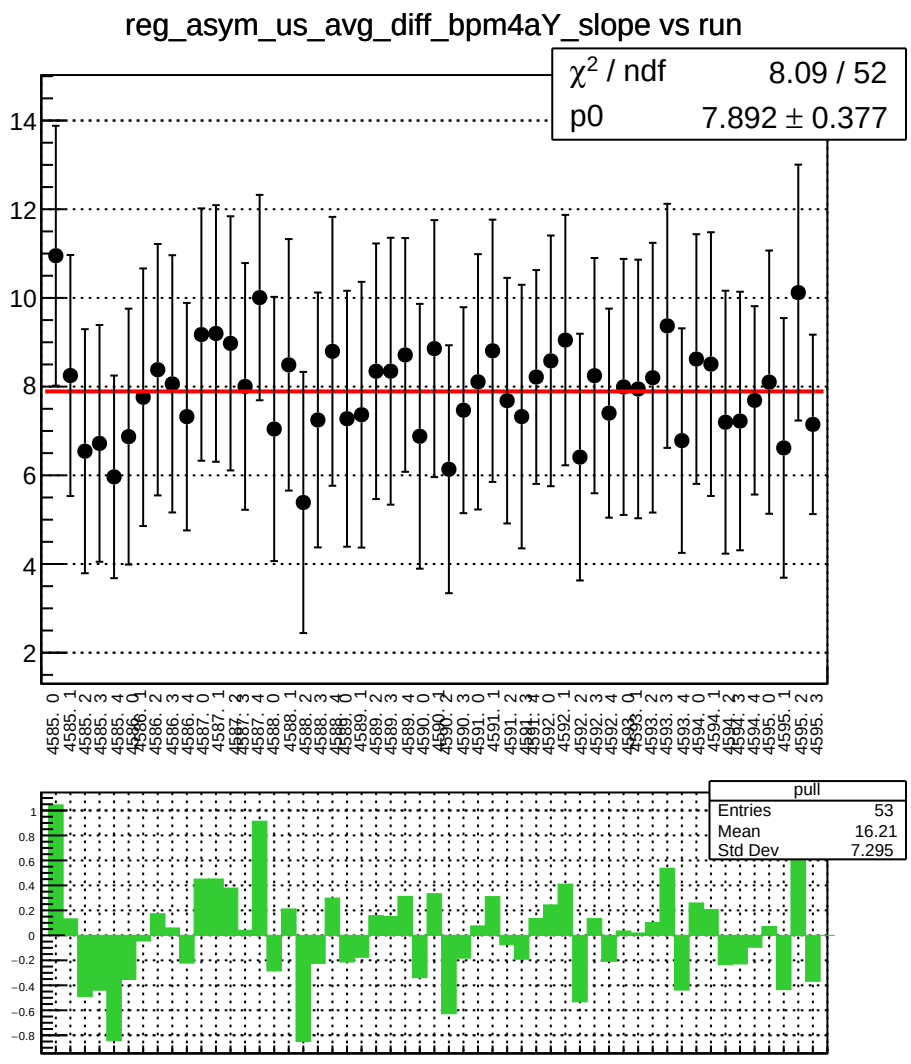

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 6.087 / 52
p0 4.859 ± 0.7712
pull
Entries 53
Mean −3522
Std Dev 3543

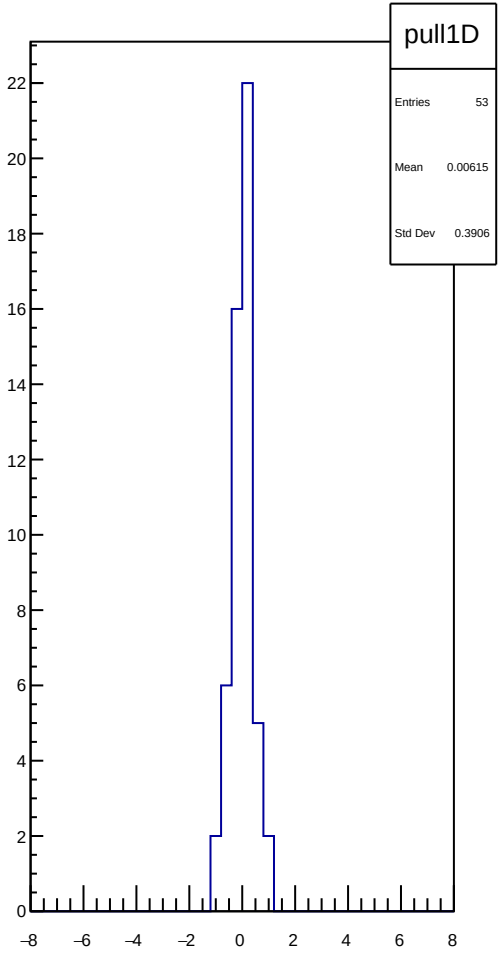

pull1D
Entries 53
Mean 0.0003281
Std Dev 0.3389

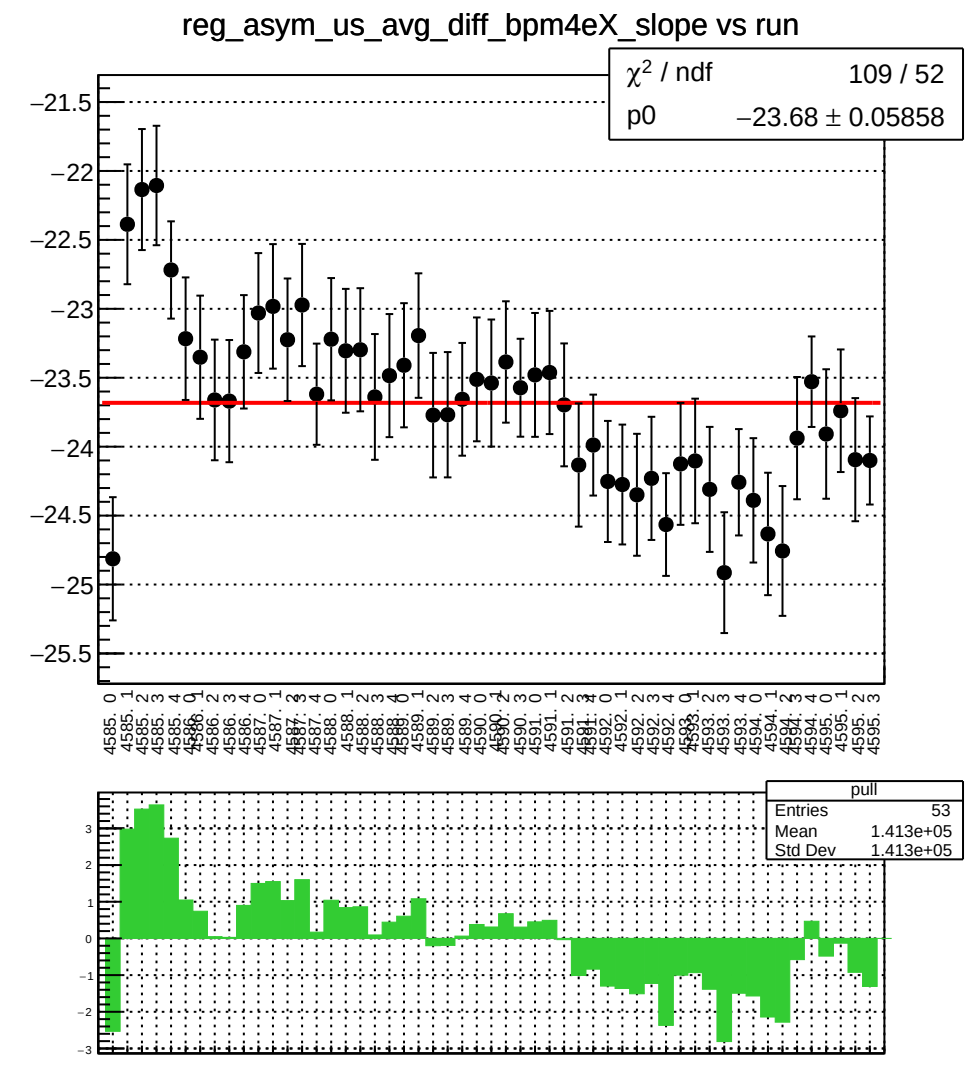

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 18.91 / 52
p0 −67.87 ± 0.1407
−66
−67
−68
−69
−70
pull
Entries 53
Mean −311
Std Dev 340.3
1
0.5
0
−0.5
−1
pull1D
Entries 53
Mean −0.01658
Std Dev 0.597
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

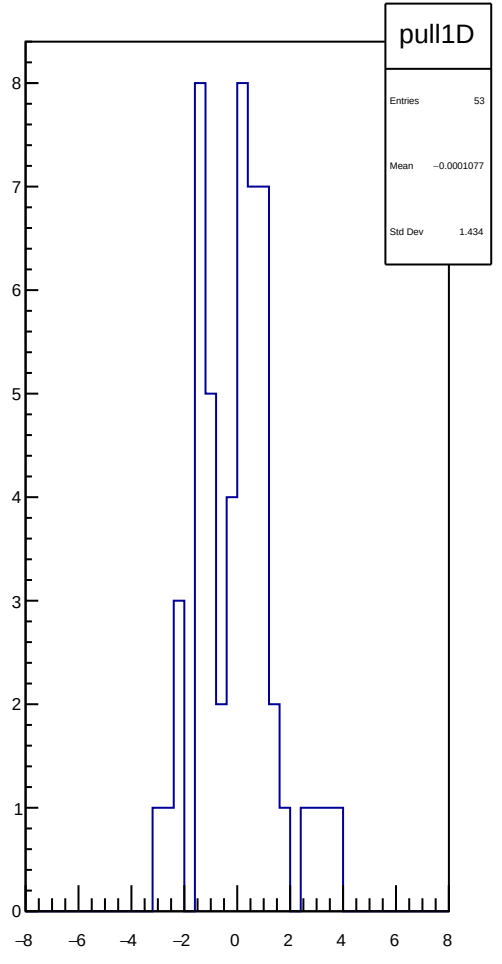

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.05 / 52
p0 7.718 ± 0.2911
pull
Entries 53
Mean 520.1
Std Dev 501.6

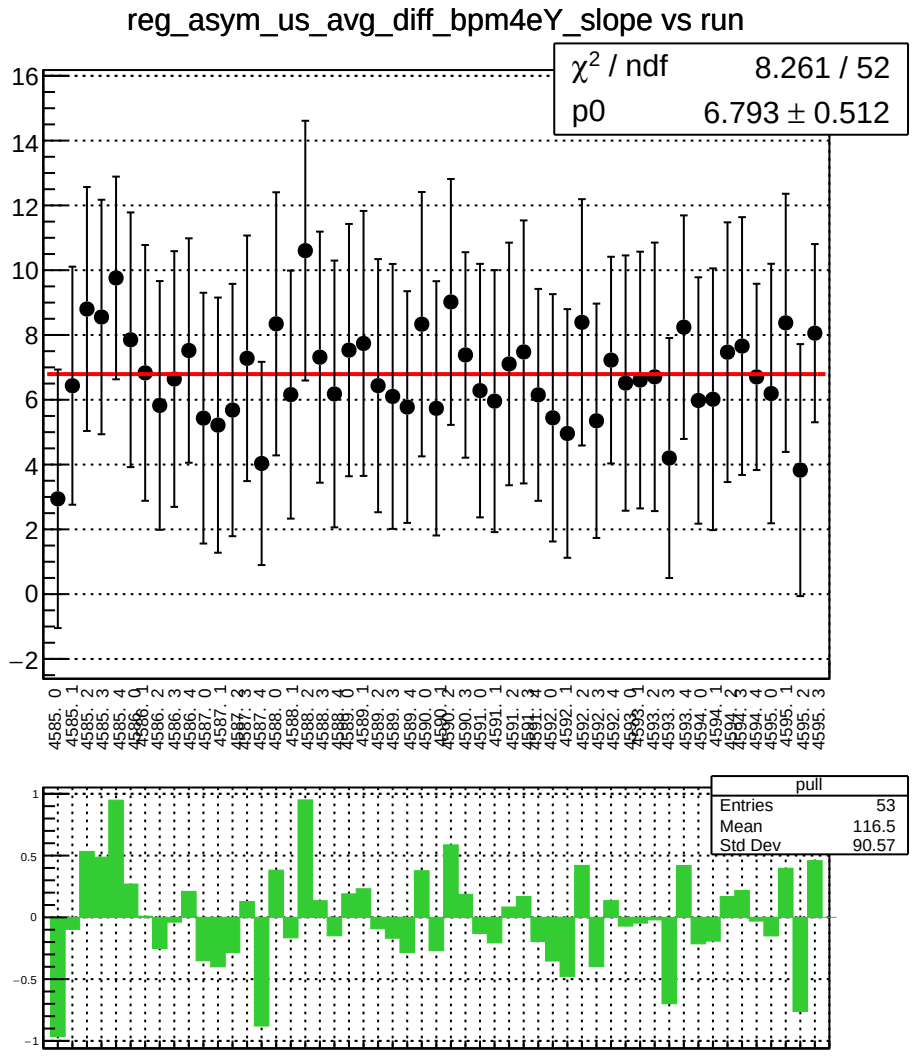

pull1D
Entries 53
Mean −0.001954
Std Dev 0.4355

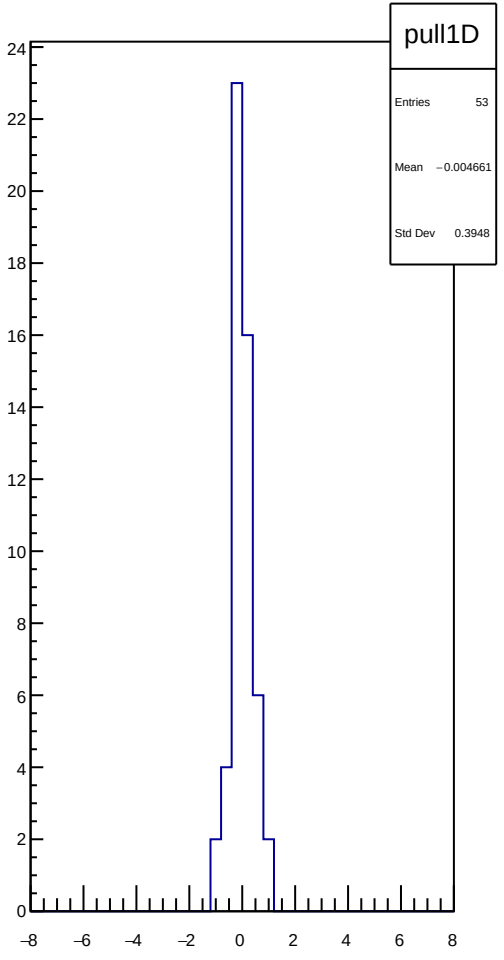

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.09 / 52
p0 7.892 ± 0.377
pull
Entries 53
Mean 16.21
Std Dev 7.295

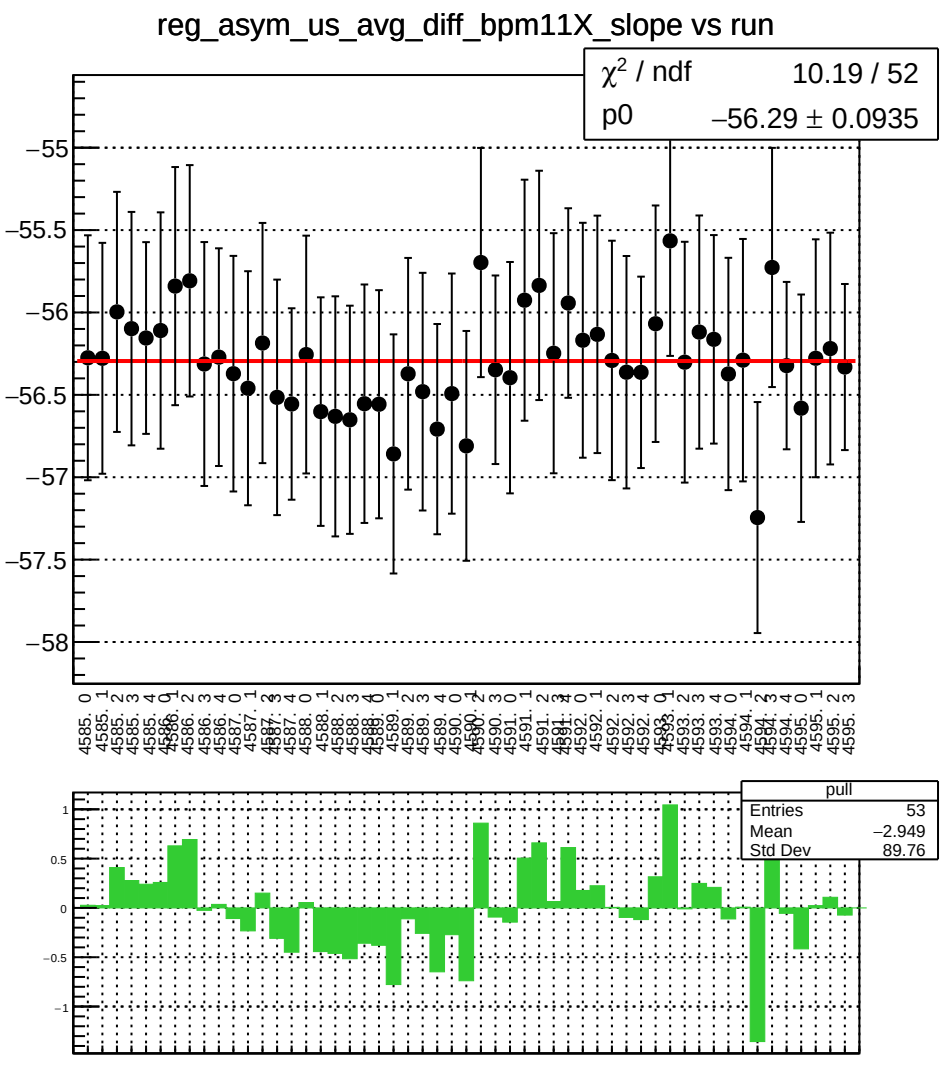

pull1D
Entries 53
Mean 0.00615
Std Dev 0.3906

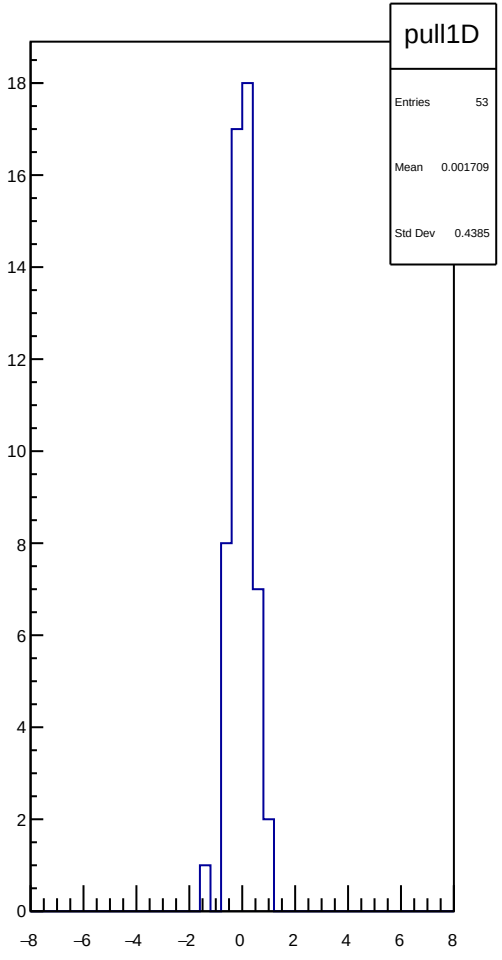

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 109 / 52
p0 −23.68 ± 0.05858
pull
Entries 53
Mean 1.413e+05
Std Dev 1.413e+05

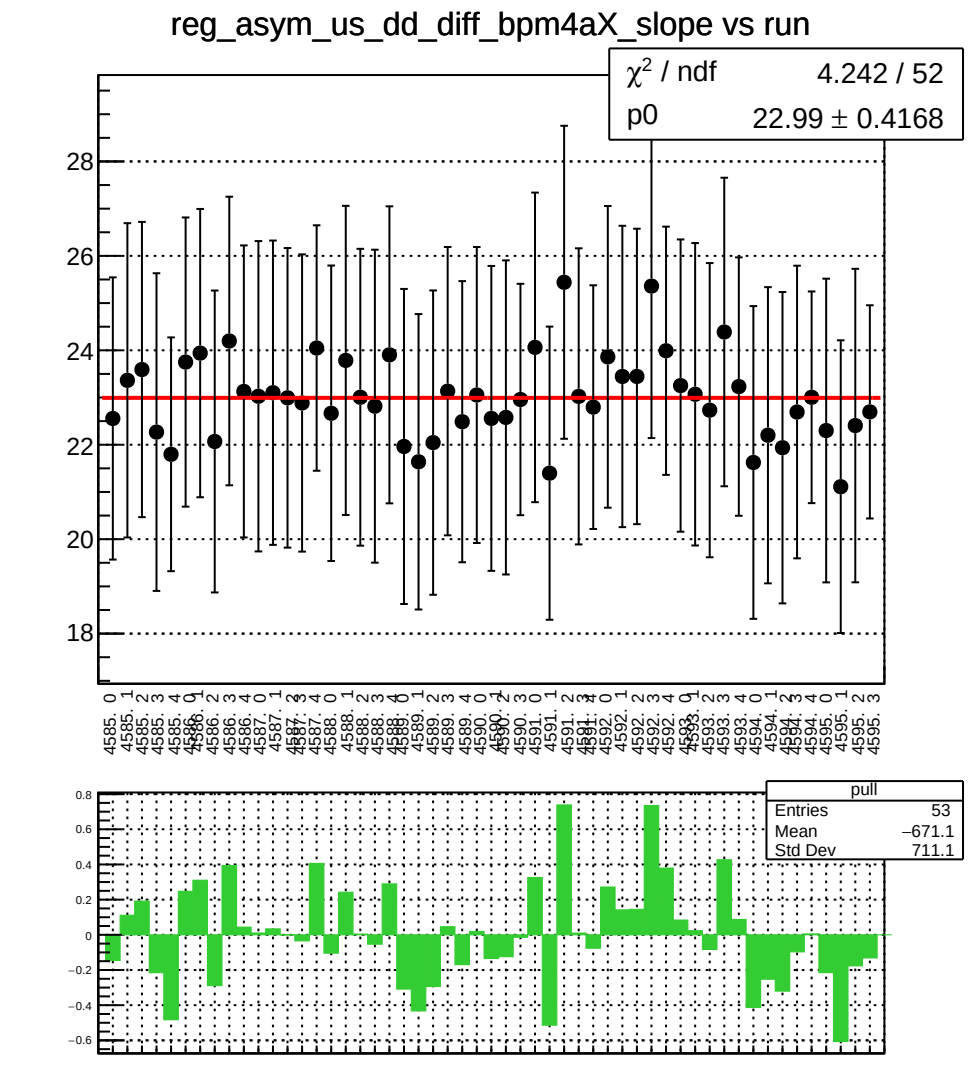

pull1D
Entries 53
Mean −0.0001077
Std Dev 1.434

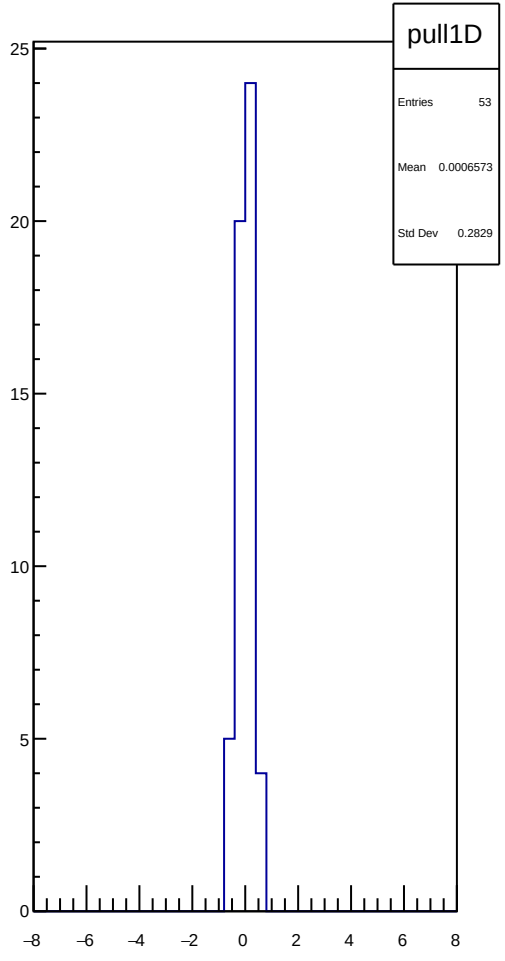

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.261 / 52
p0 6.793 ± 0.512
pull
Entries 53
Mean 116.5
Std Dev 90.57

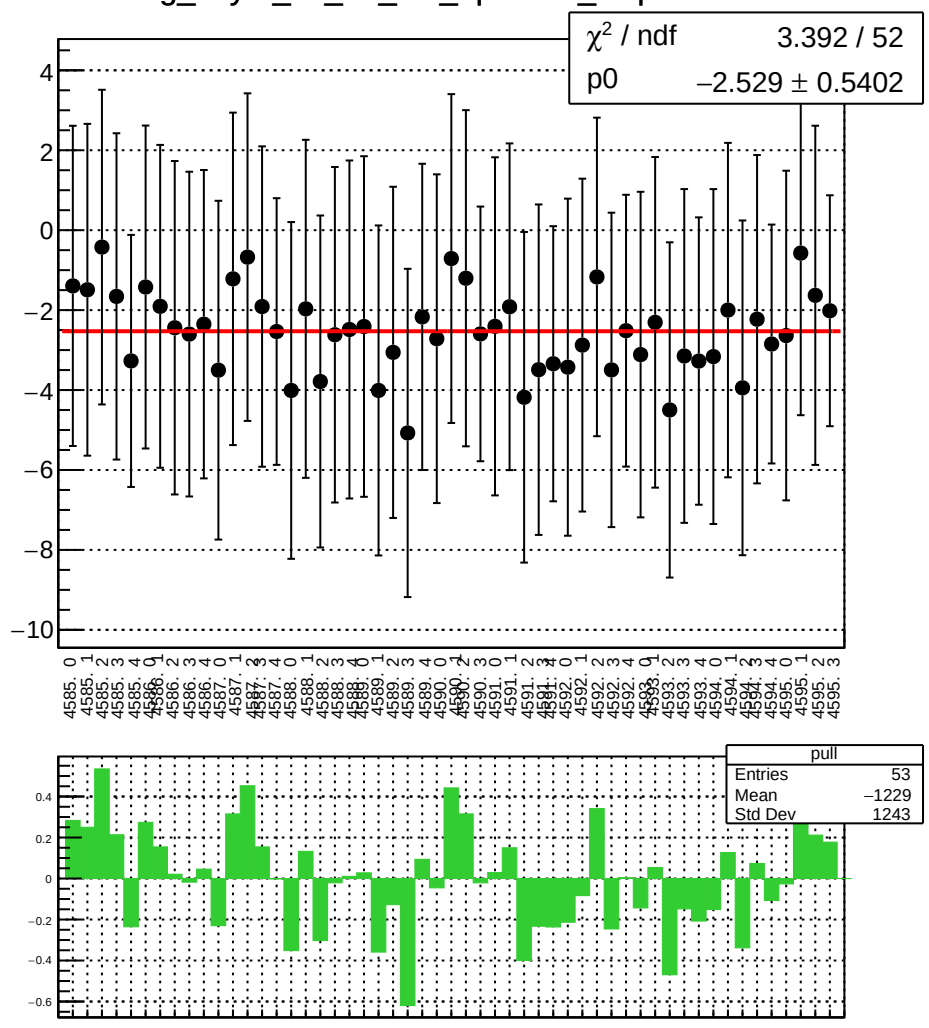

pull1D
Entries 53
Mean −0.004661
Std Dev 0.3948

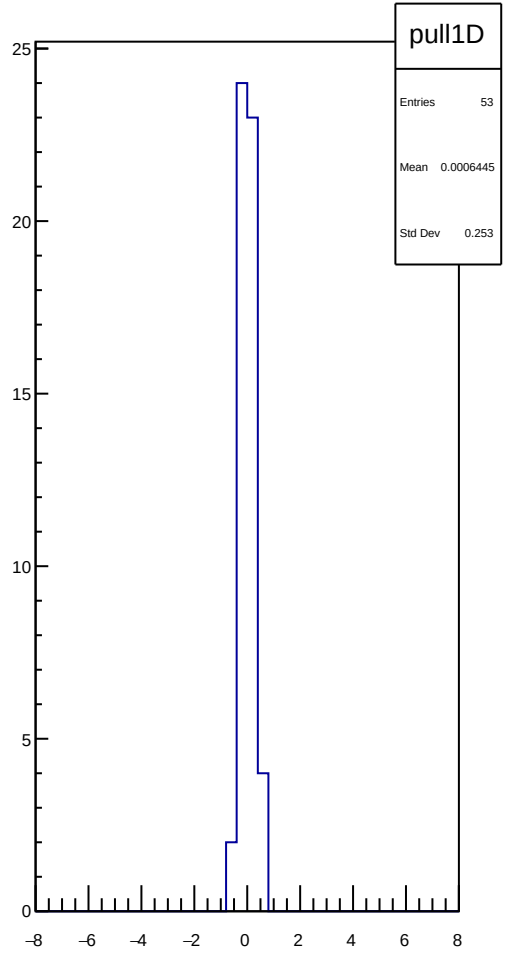

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 10.19 / 52
p0 −56.29 ± 0.0935
pull
Entries 53
Mean −2.949
Std Dev 89.76

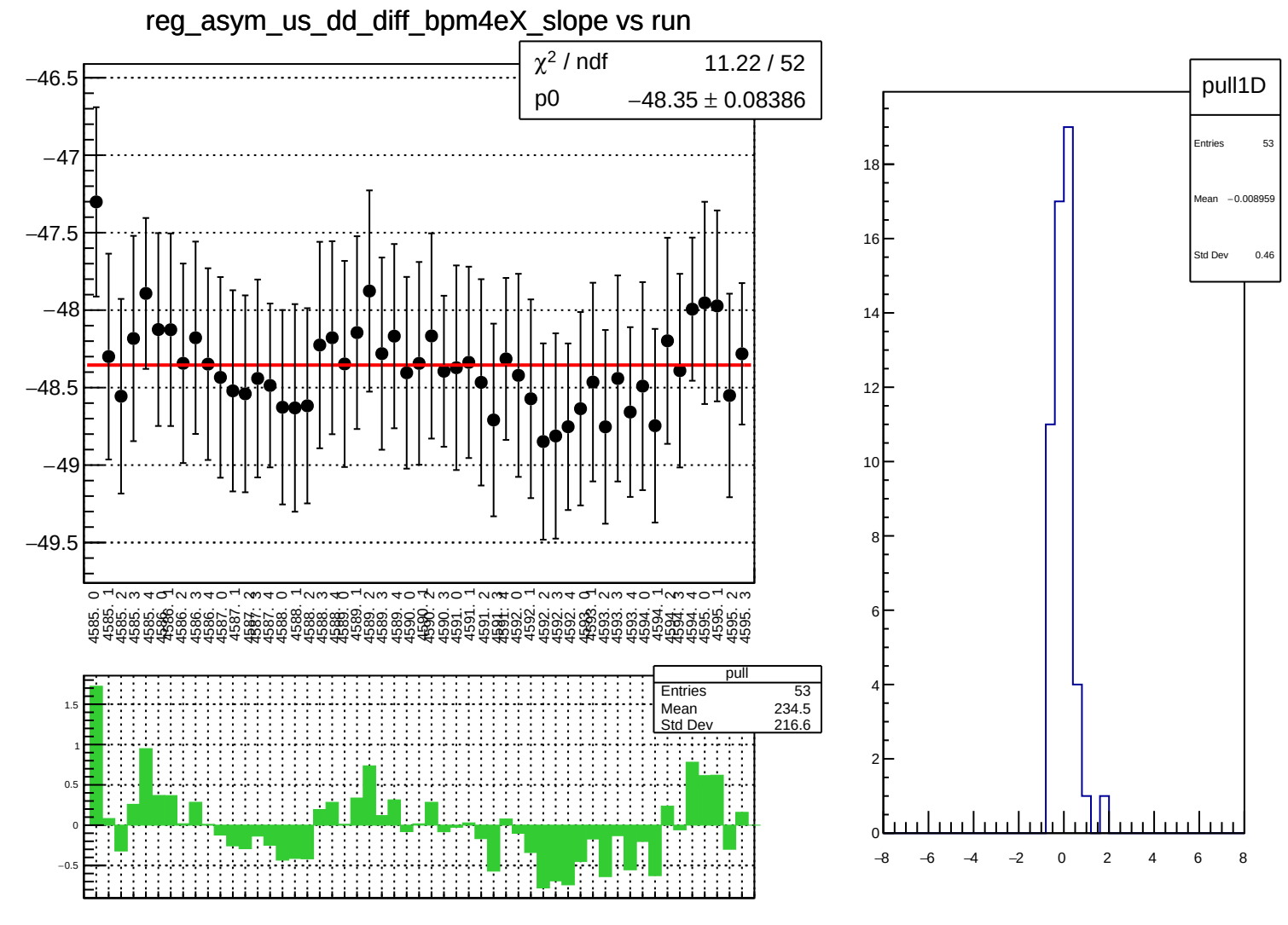

pull1D
Entries 53
Mean 0.001709
Std Dev 0.4385

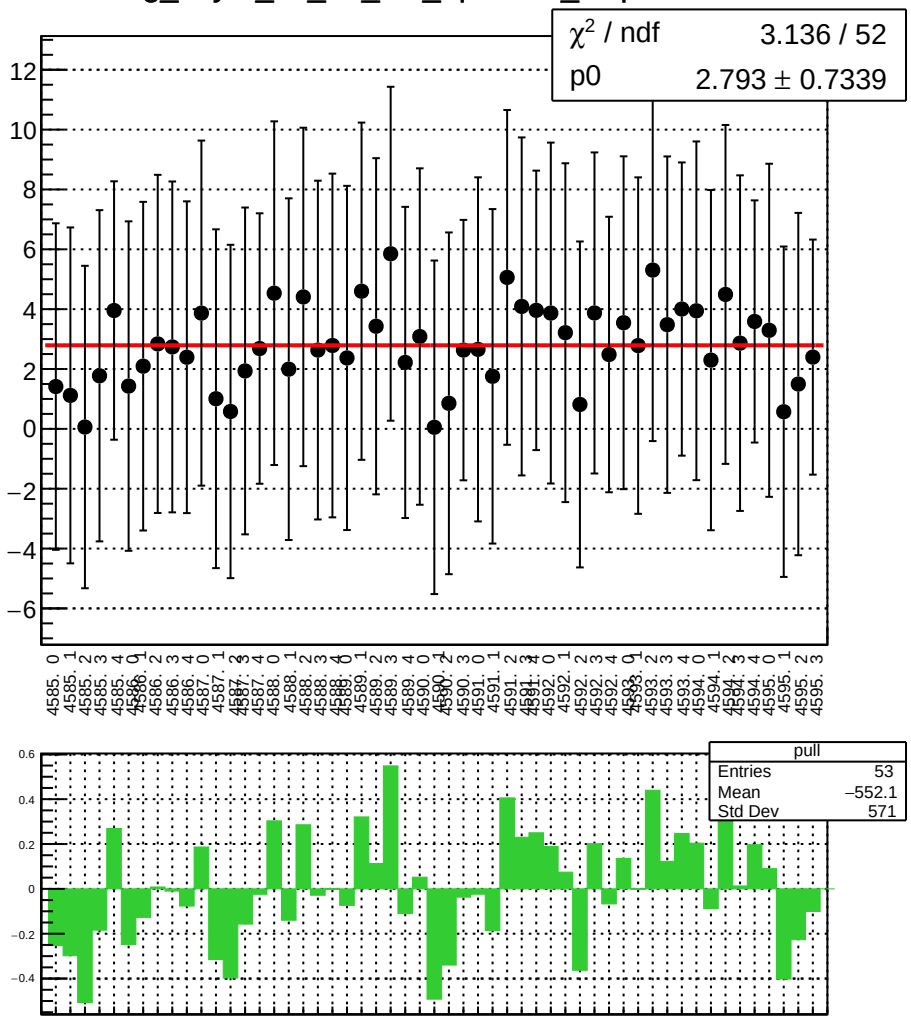

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.242 / 52
p0 22.99 ± 0.4168
pull
Entries 53
Mean −671.1
Std Dev 711.1

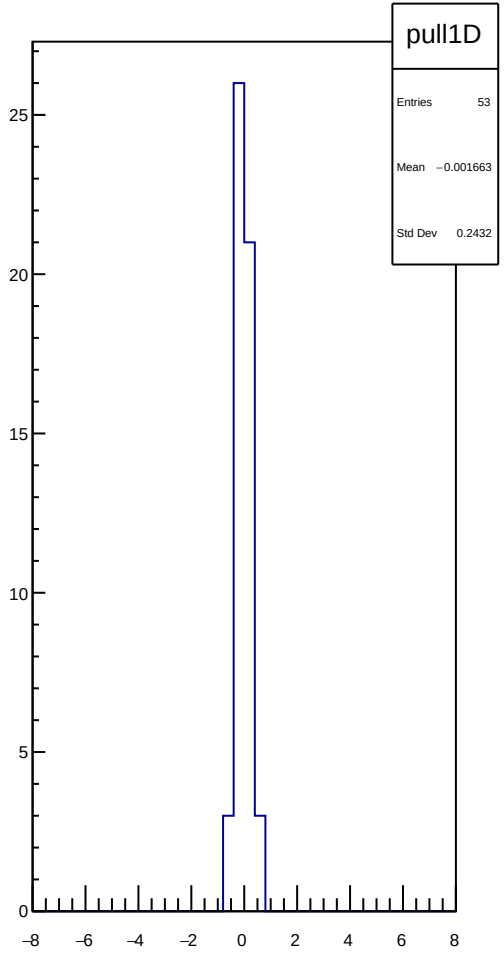

pull1D
Entries 53
Mean 0.0006573
Std Dev 0.2829

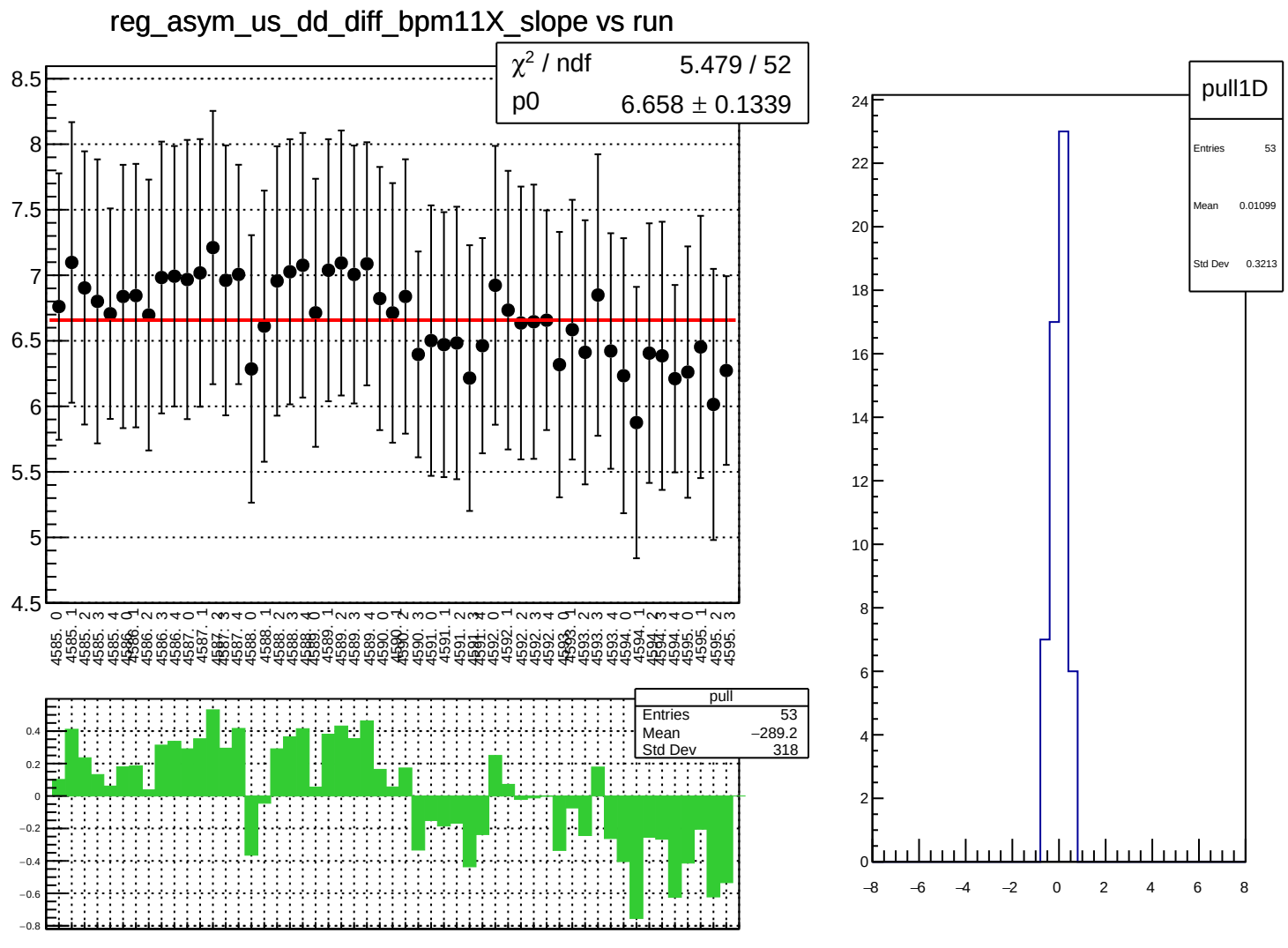

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.392 / 52
p0 −2.529 ± 0.5402
pull
Entries 53
Mean −1229
Std Dev 1243

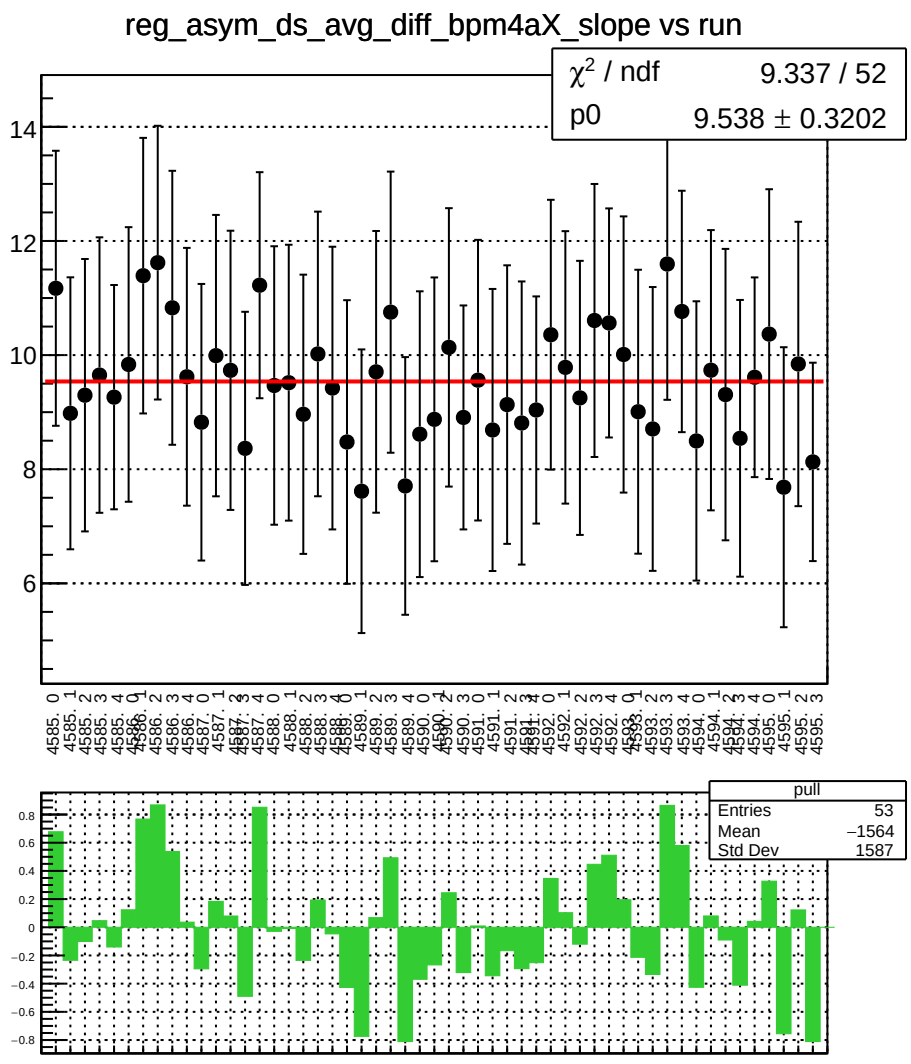

pull1D
Entries 53
Mean 0.0006445
Std Dev 0.253

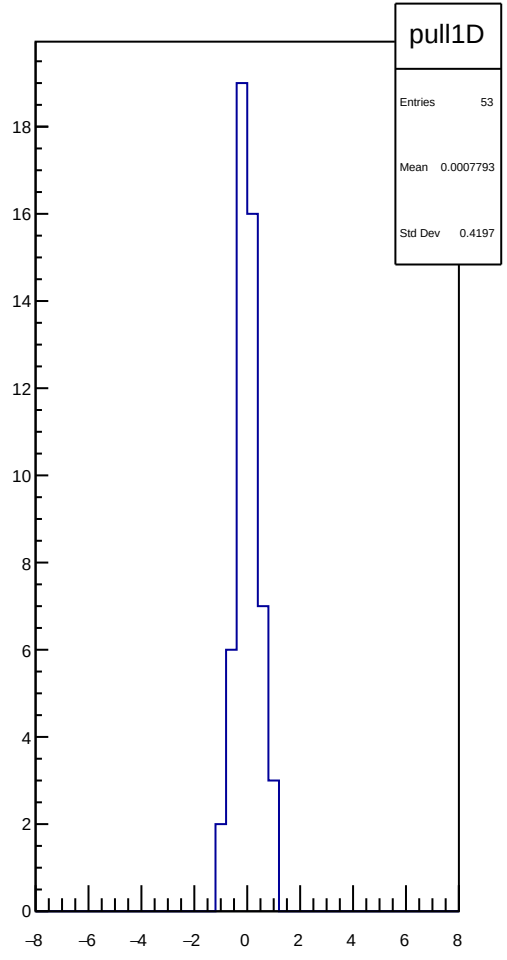

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.22 / 52
p0 −48.35 ± 0.08386
−46.5
−47
−47.5
−48
−48.5
−49
−49.5
pull
Entries 53
Mean 234.5
Std Dev 216.6
1.5
1
0.5
0
−0.5
pull1D
Entries 53
Mean −0.008959
Std Dev 0.46
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

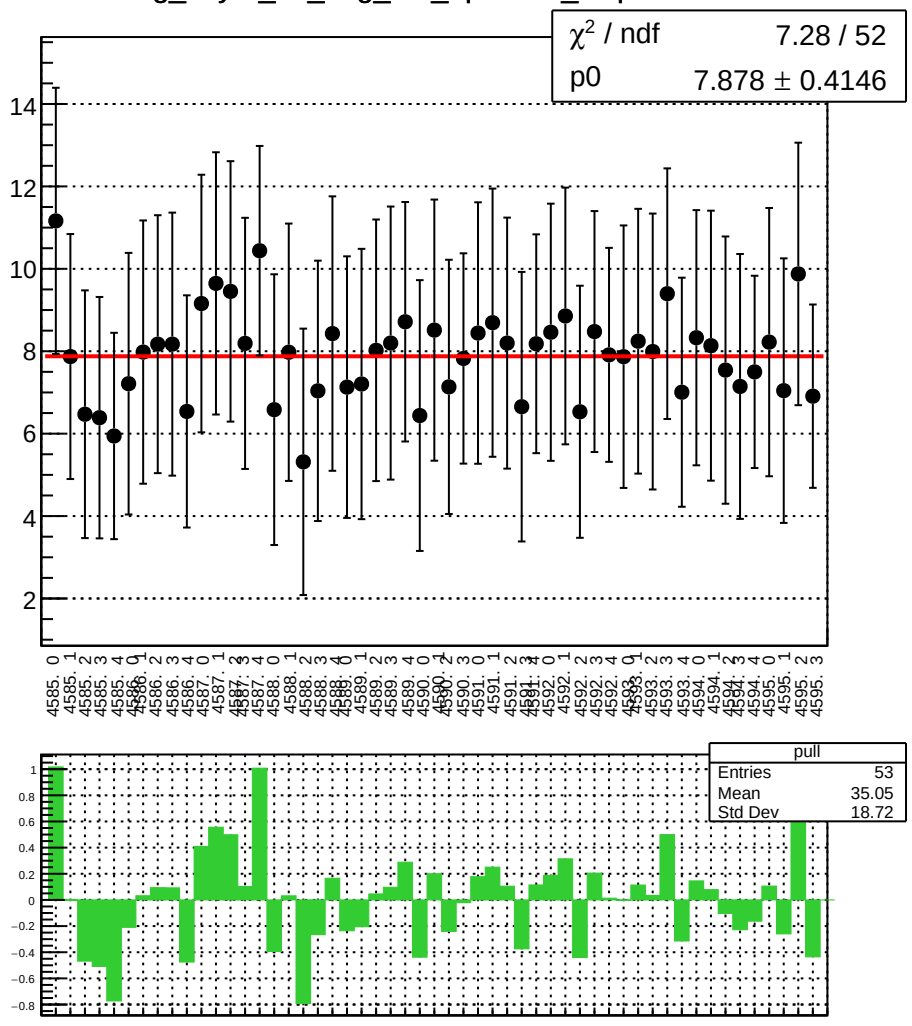

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.136 / 52
p0 2.793 ± 0.7339
pull
Entries 53
Mean −552.1
Std Dev 571

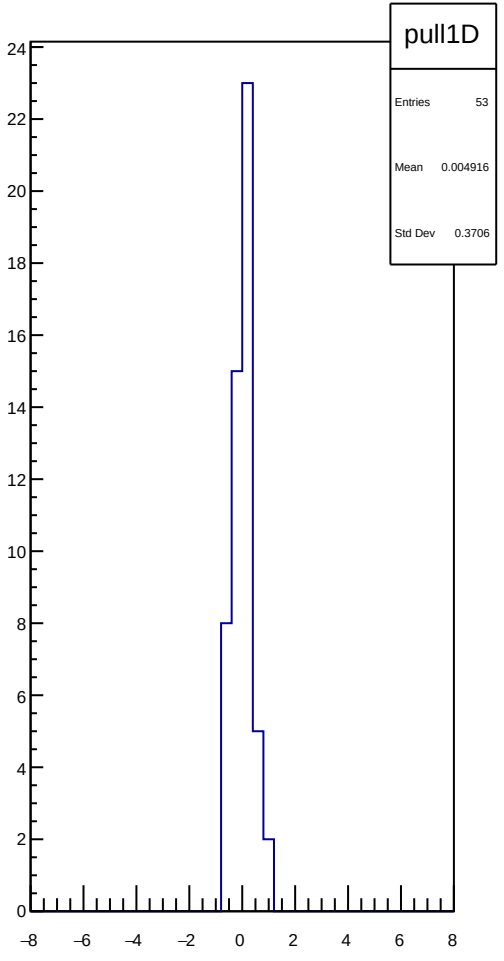

pull1D
Entries 53
Mean −0.001663
Std Dev 0.2432

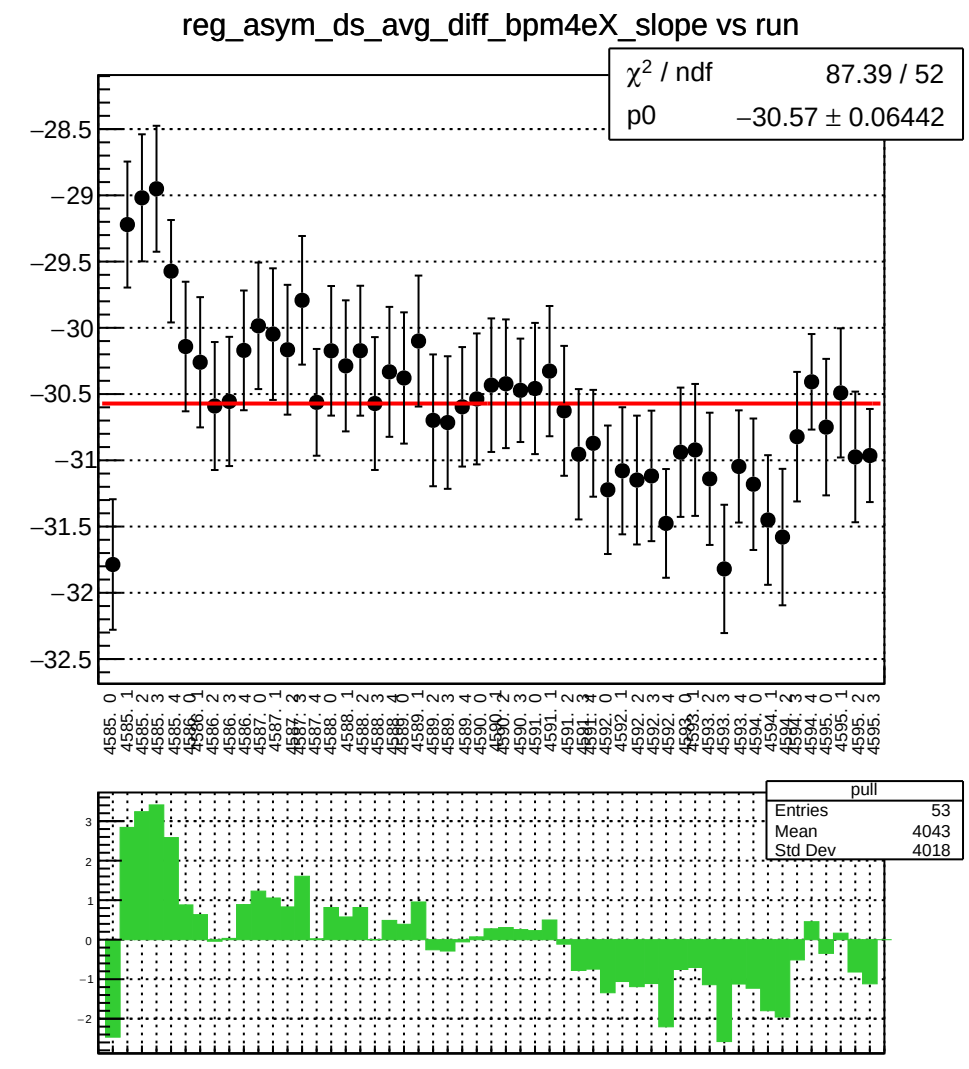

reg_asym_us_dd_diff_bpm11X_slope vs run
χ² / ndf 5.479 / 52
p0 6.658 ± 0.1339
pull
Entries 53
Mean −289.2
Std Dev 318
pull1D
Entries 53
Mean 0.01099
Std Dev 0.3213

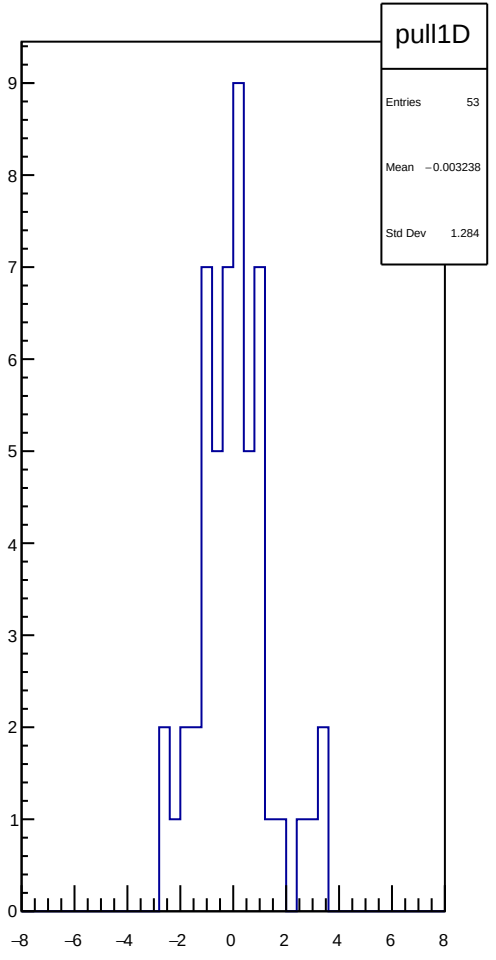

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 9.337 / 52
p0 9.538 ± 0.3202
pull
Entries 53
Mean −1564
Std Dev 1587

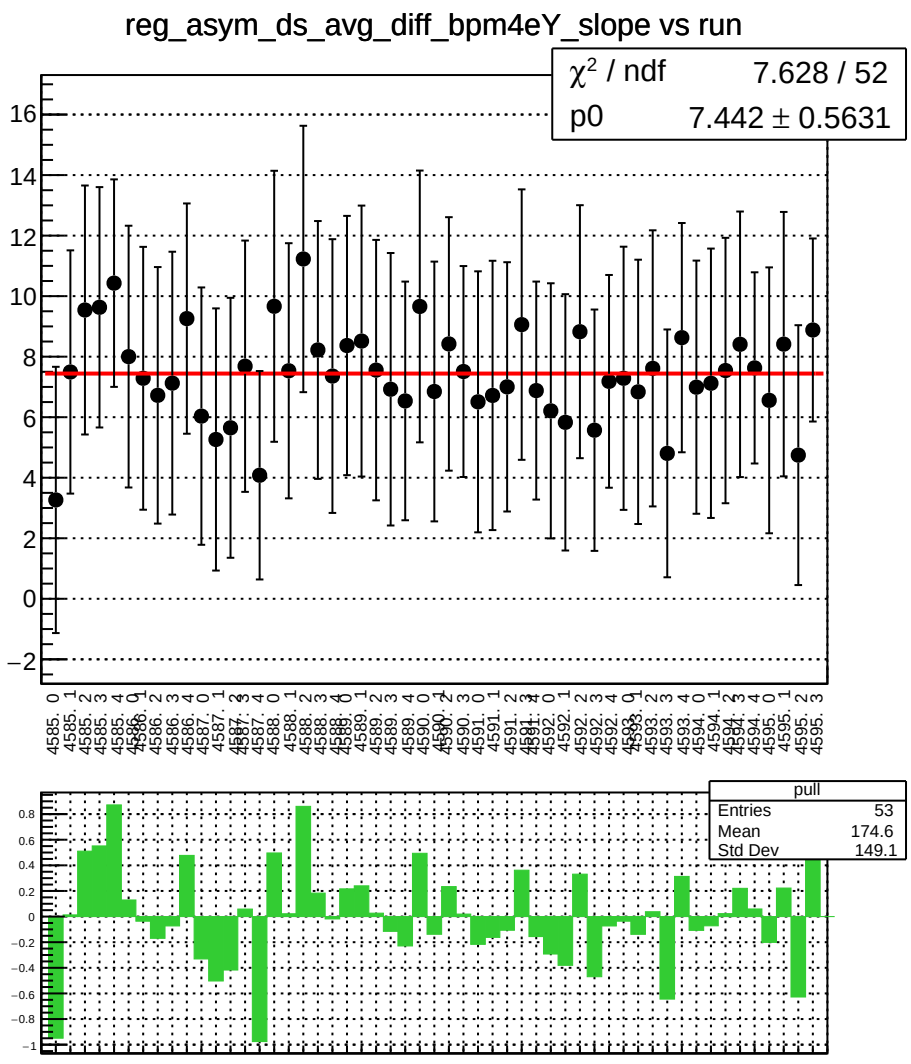

pull1D
Entries 53
Mean 0.0007793
Std Dev 0.4197

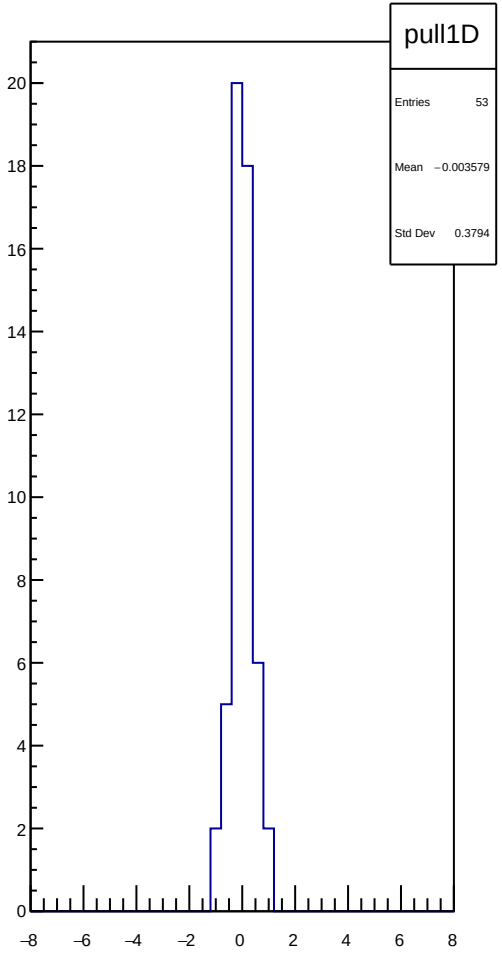

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.28 / 52
p0 7.878 ± 0.4146
pull
Entries 53
Mean 35.05
Std Dev 18.72

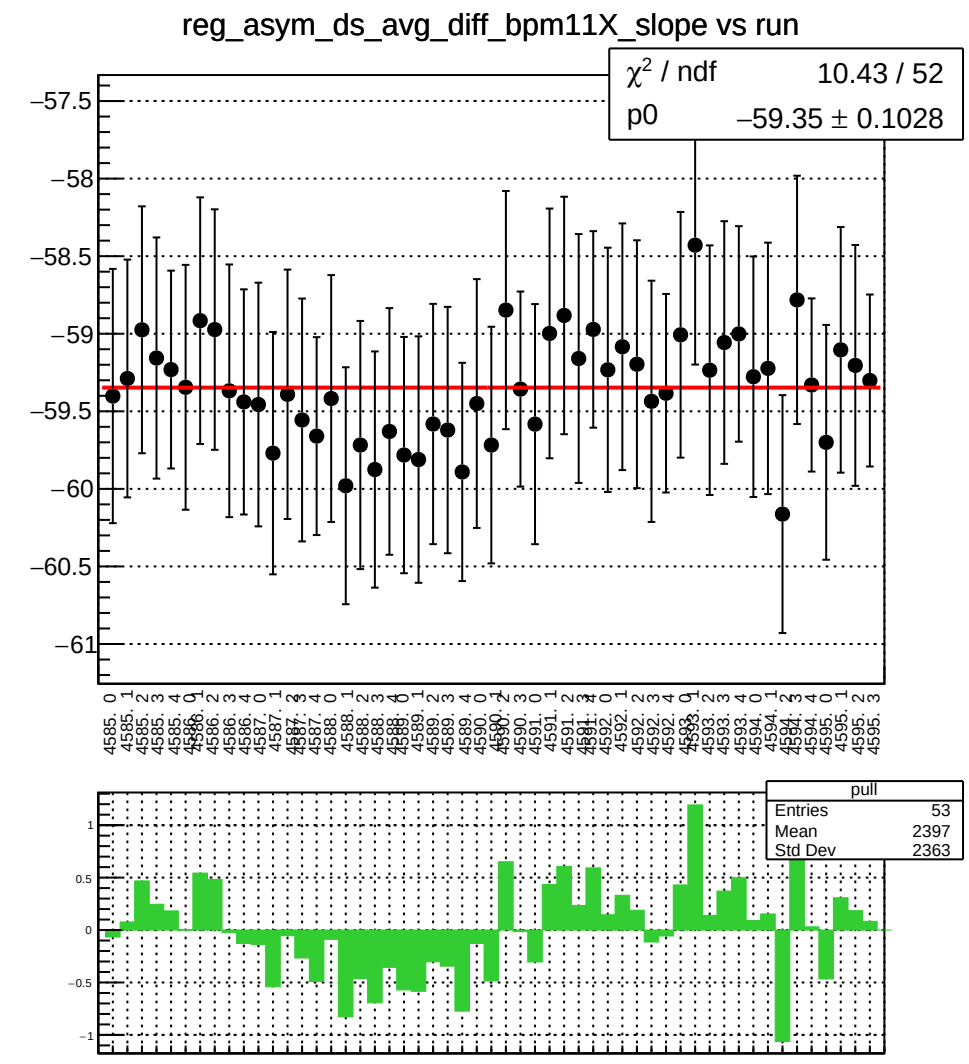

pull1D
Entries 53
Mean 0.004916
Std Dev 0.3706

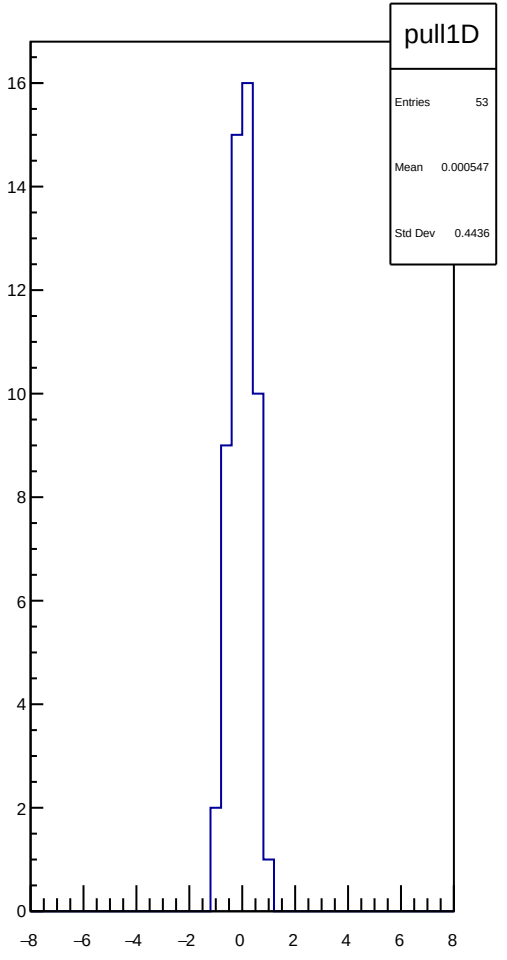

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 87.39 / 52
p0 −30.57 ± 0.06442
pull
Entries 53
Mean 4043
Std Dev 4018

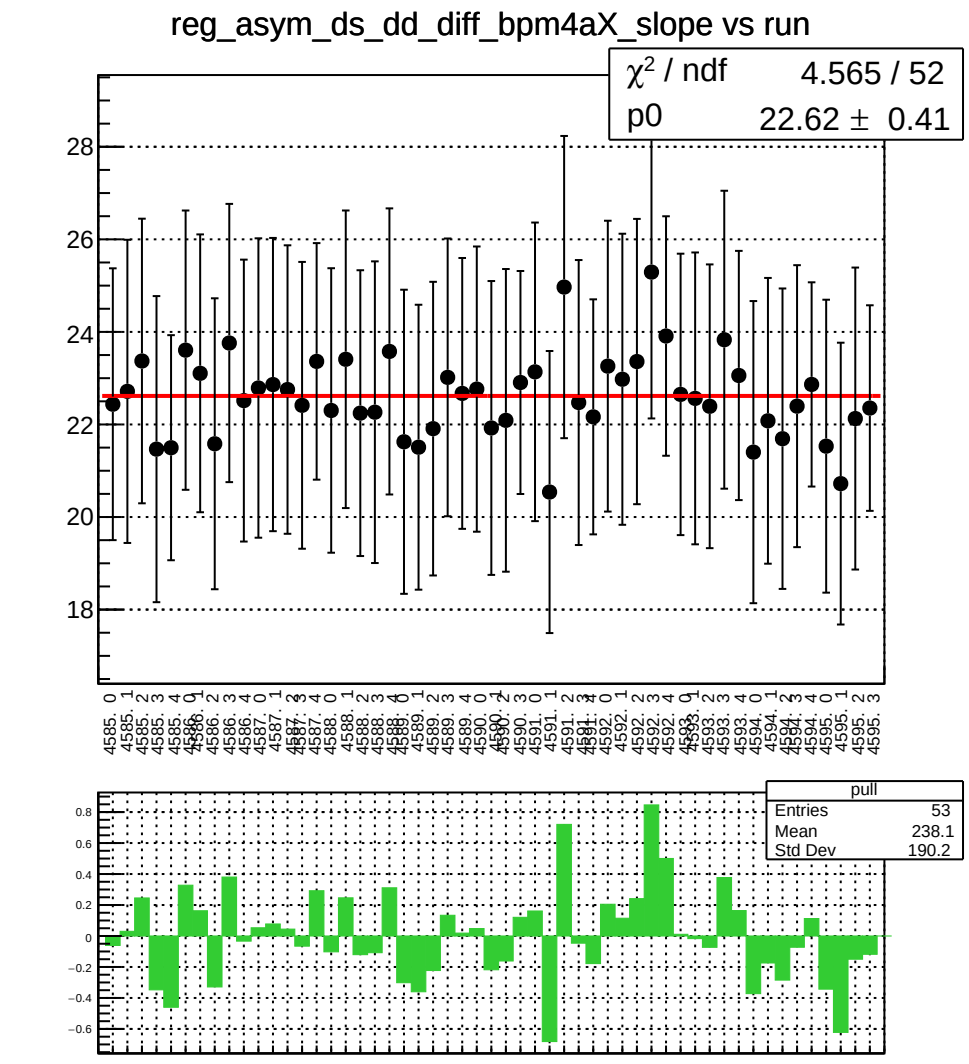

pull1D
Entries 53
Mean −0.003238
Std Dev 1.284

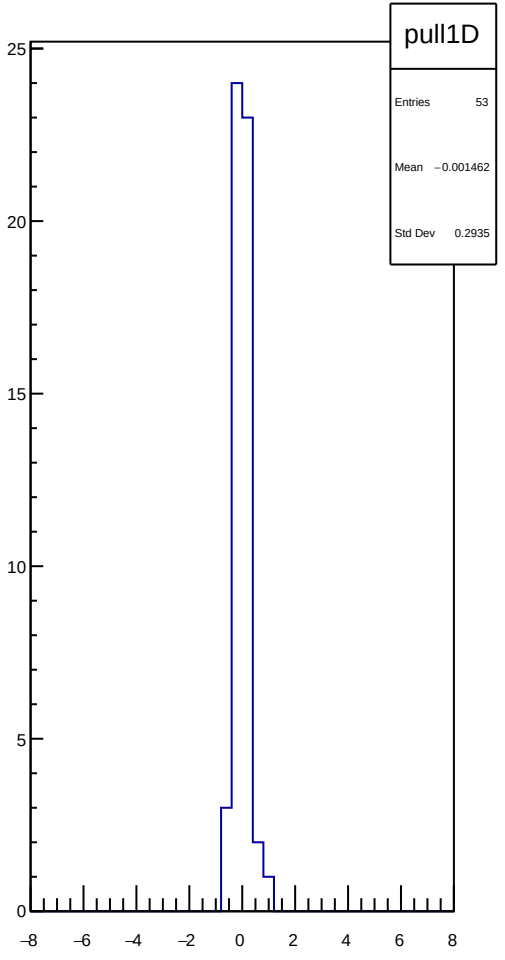

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.628 / 52
p0 7.442 ± 0.5631
pull
Entries 53
Mean 174.6
Std Dev 149.1

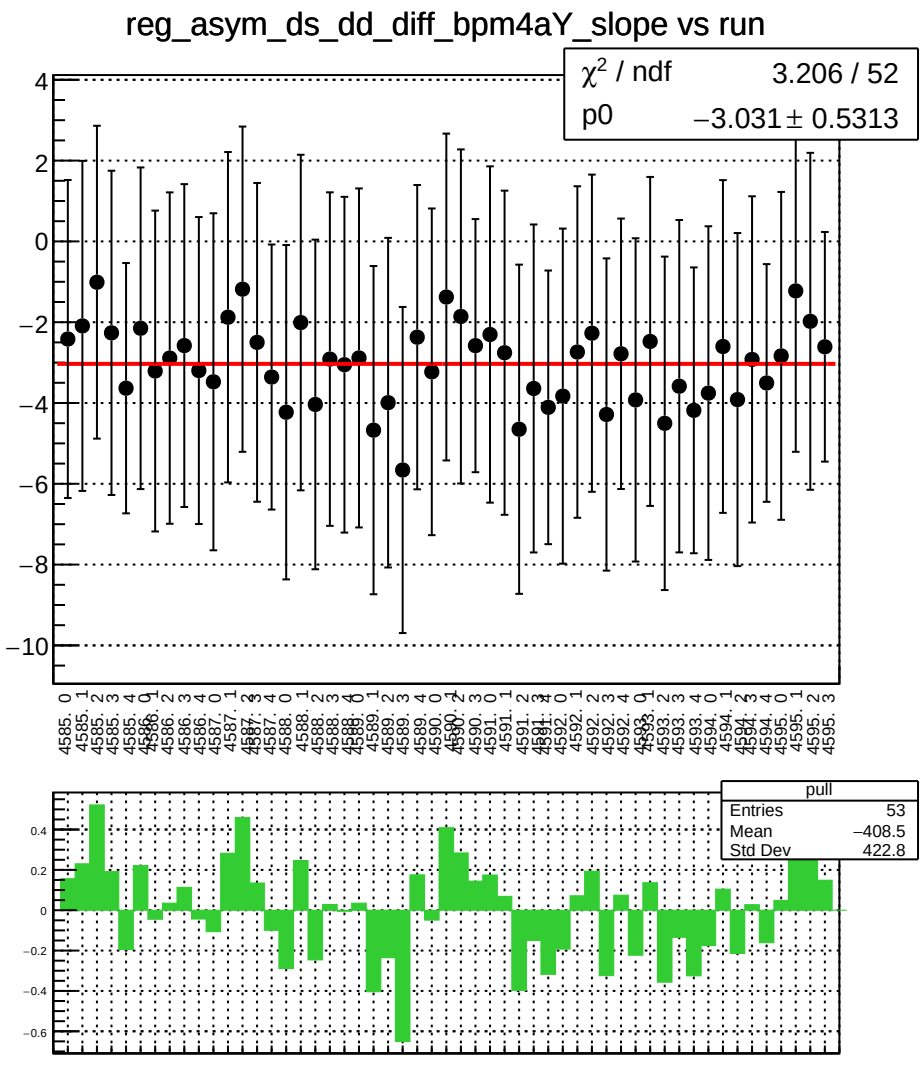

pull1D
Entries 53
Mean −0.003579
Std Dev 0.3794

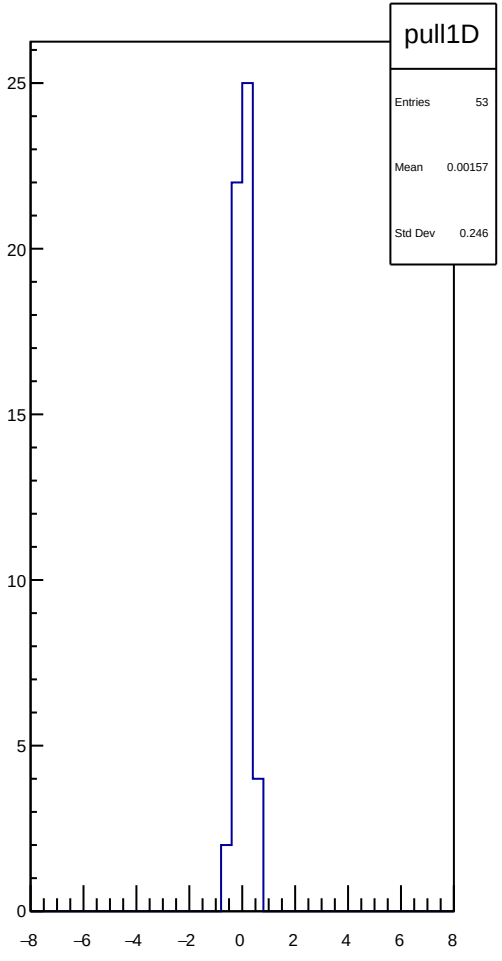

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 10.43 / 52
p0 −59.35 ± 0.1028
pull
Entries 53
Mean 2397
Std Dev 2363

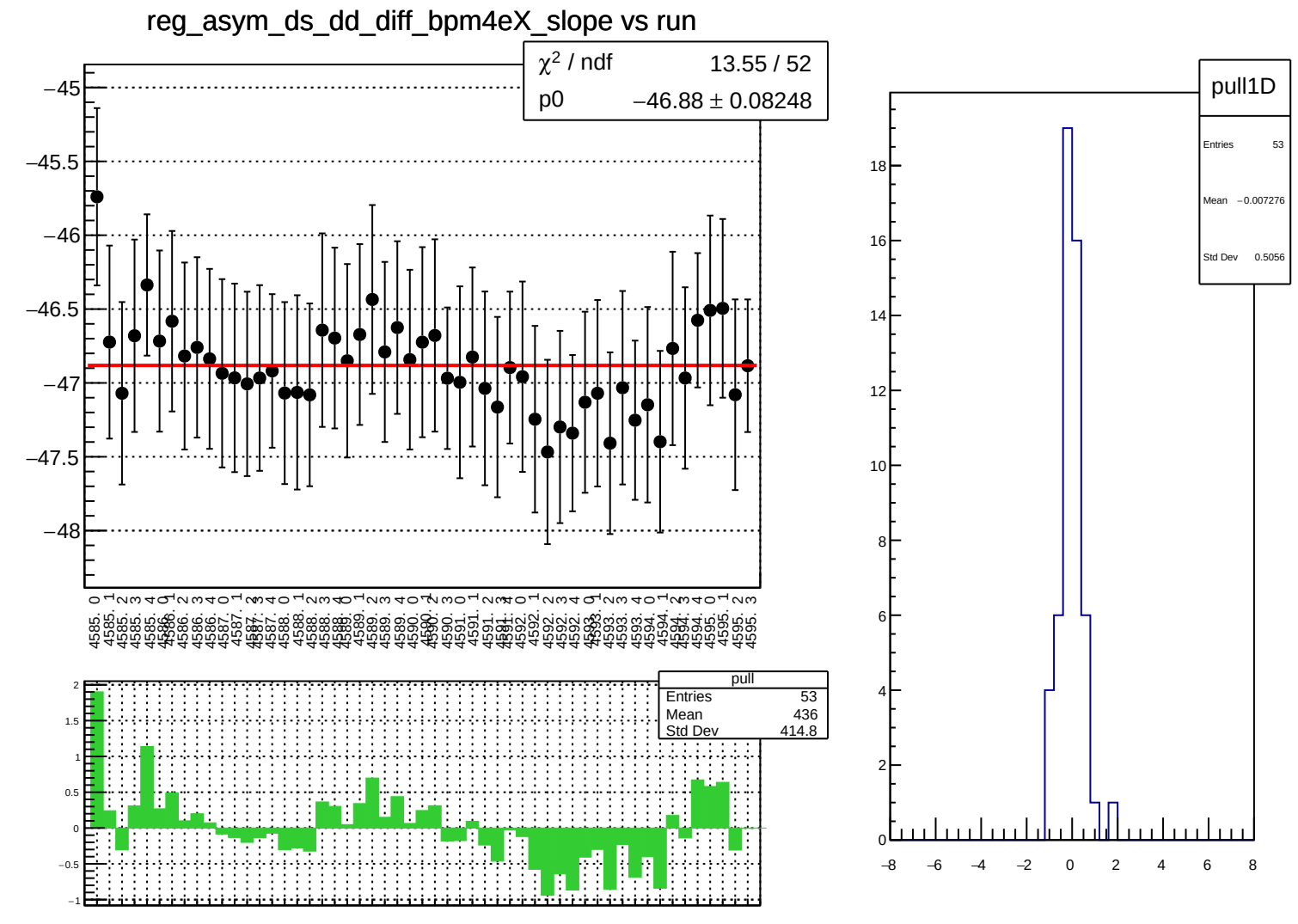

pull1D
Entries 53
Mean 0.000547
Std Dev 0.4436

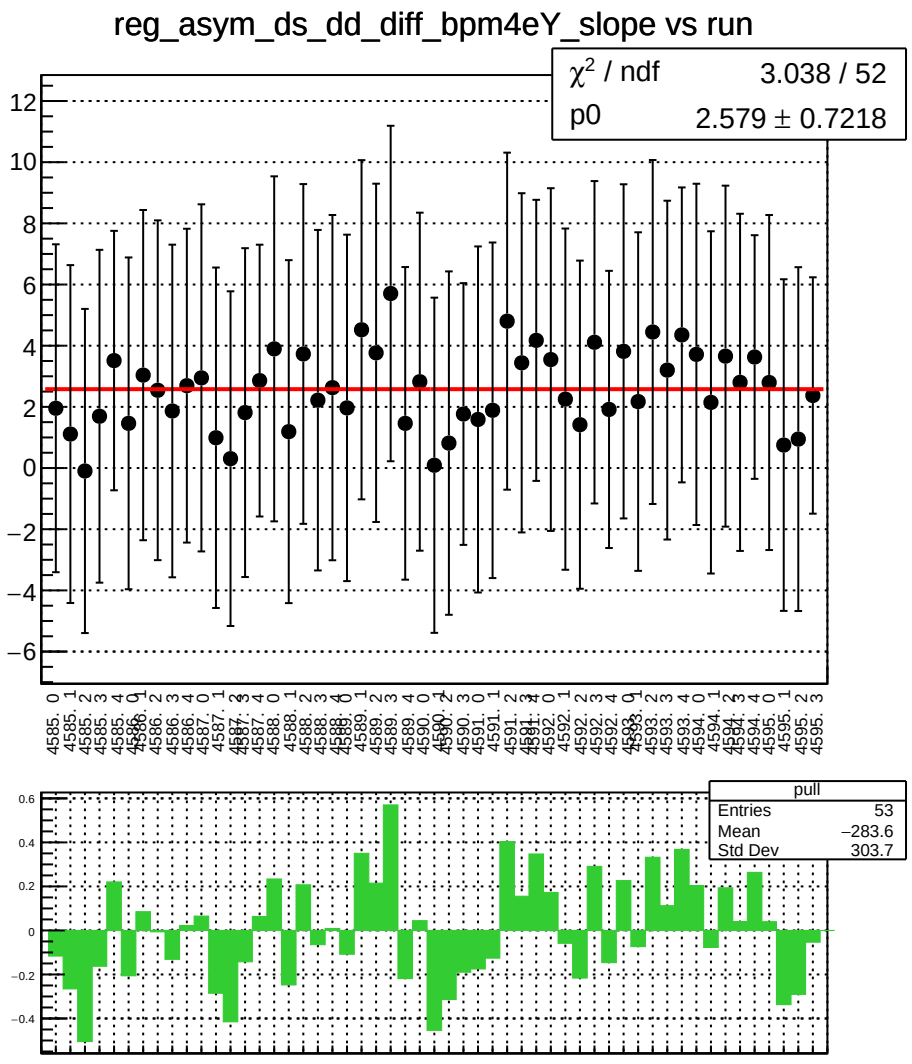

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.565 / 52
p0 22.62 ± 0.41
pull
Entries 53
Mean 238.1
Std Dev 190.2

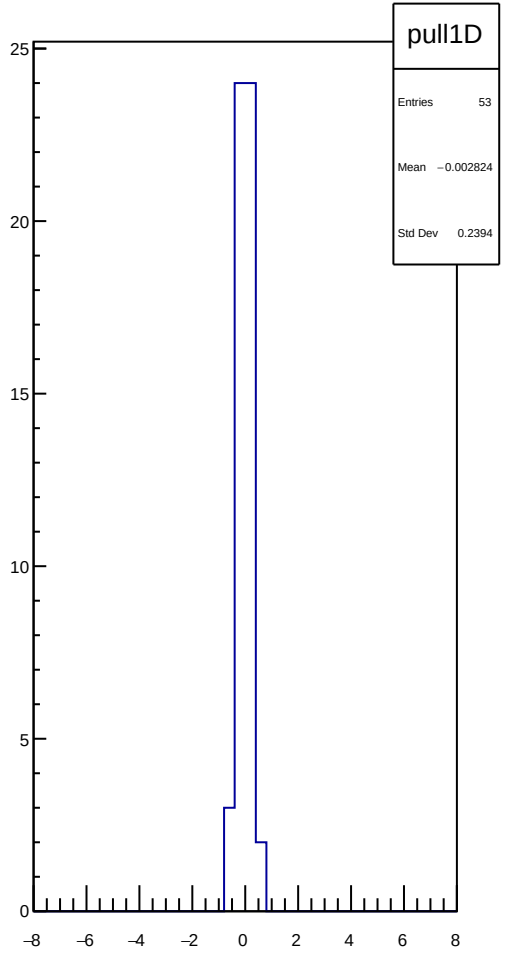

pull1D
Entries 53
Mean −0.001462
Std Dev 0.2935

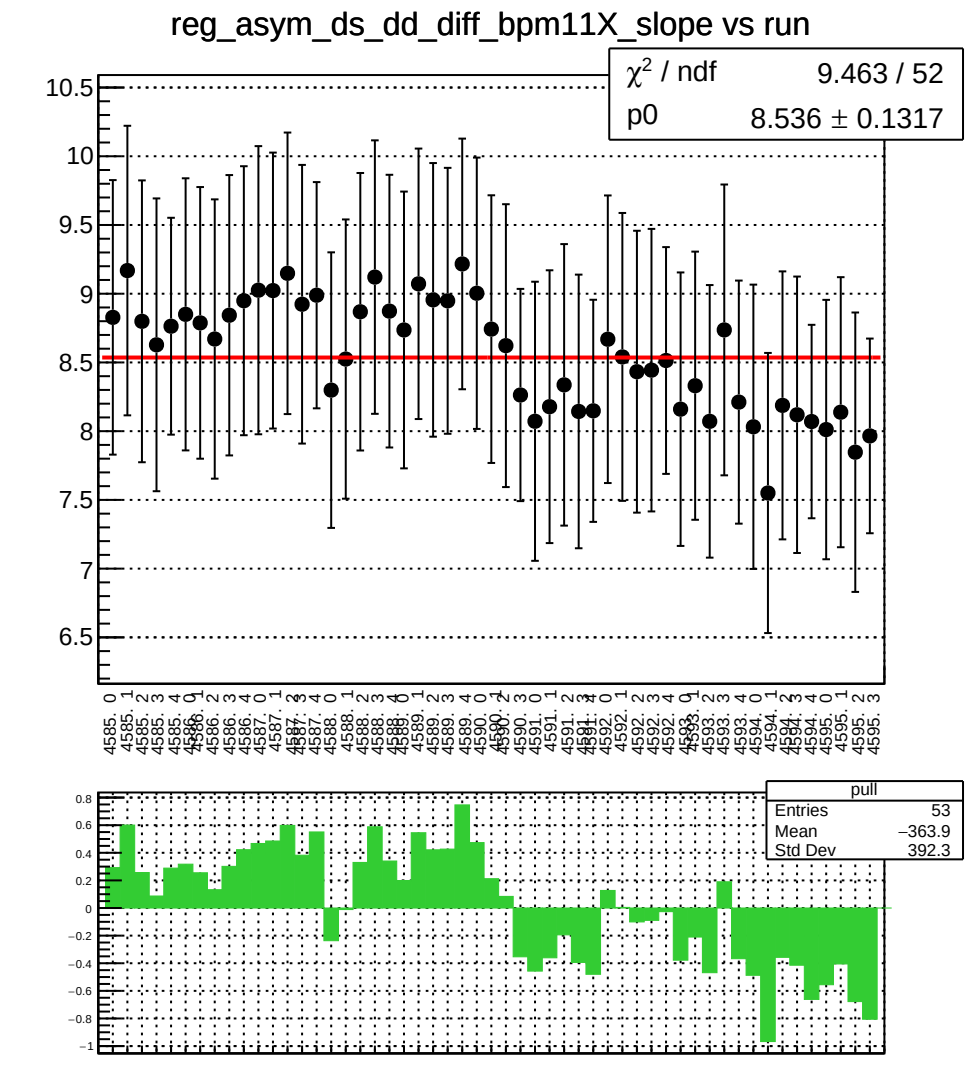

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.206 / 52
p0 −3.031 ± 0.5313
pull
Entries 53
Mean −408.5
Std Dev 422.8

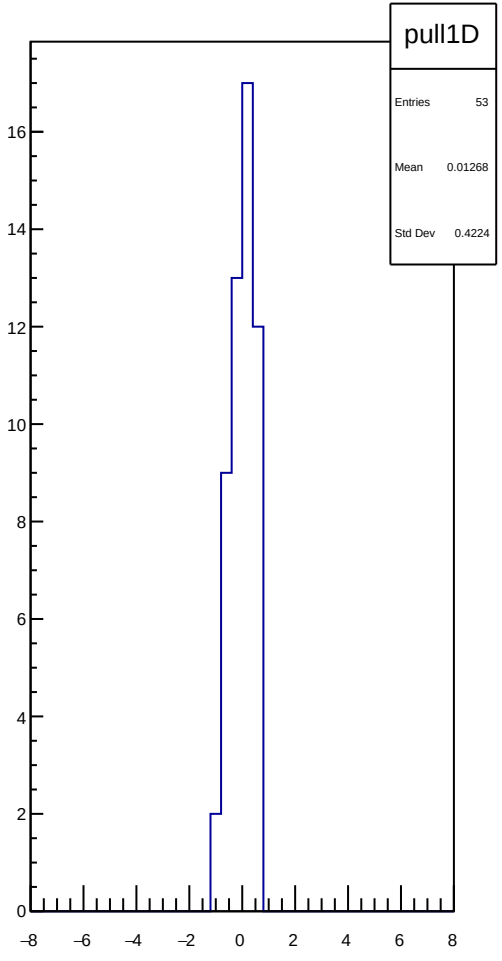

pull1D
Entries 53
Mean 0.00157
Std Dev 0.246

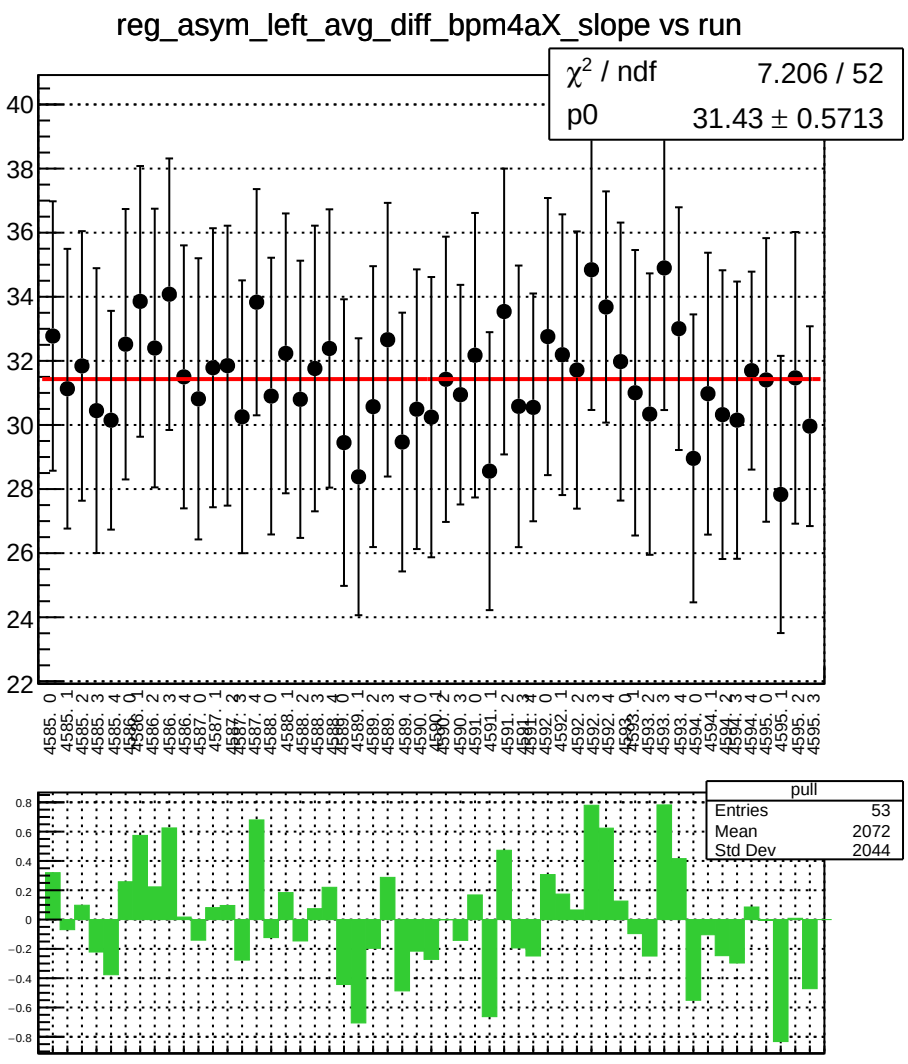

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.55 / 52
p0 −46.88 ± 0.08248
pull
Entries 53
Mean 436
Std Dev 414.8
pull1D
Entries 53
Mean −0.007276
Std Dev 0.5056

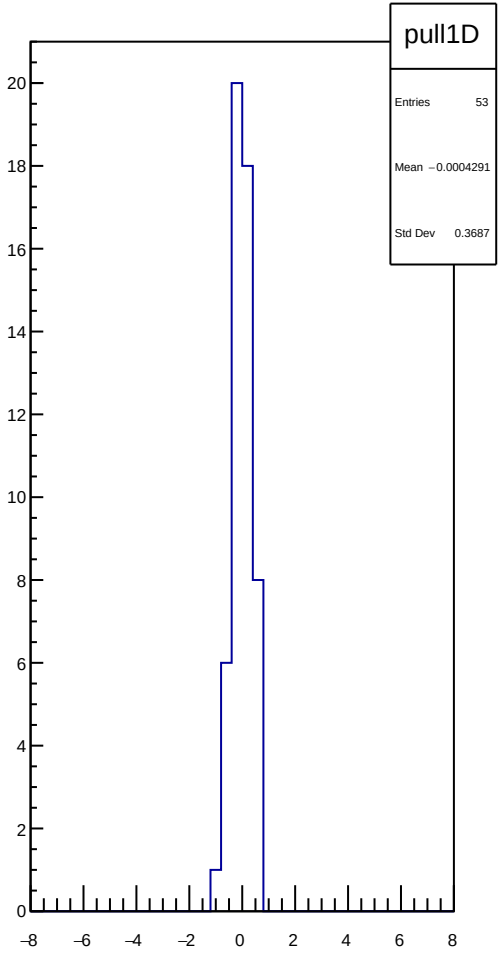

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.038 / 52
p0 2.579 ± 0.7218
pull
Entries 53
Mean −283.6
Std Dev 303.7

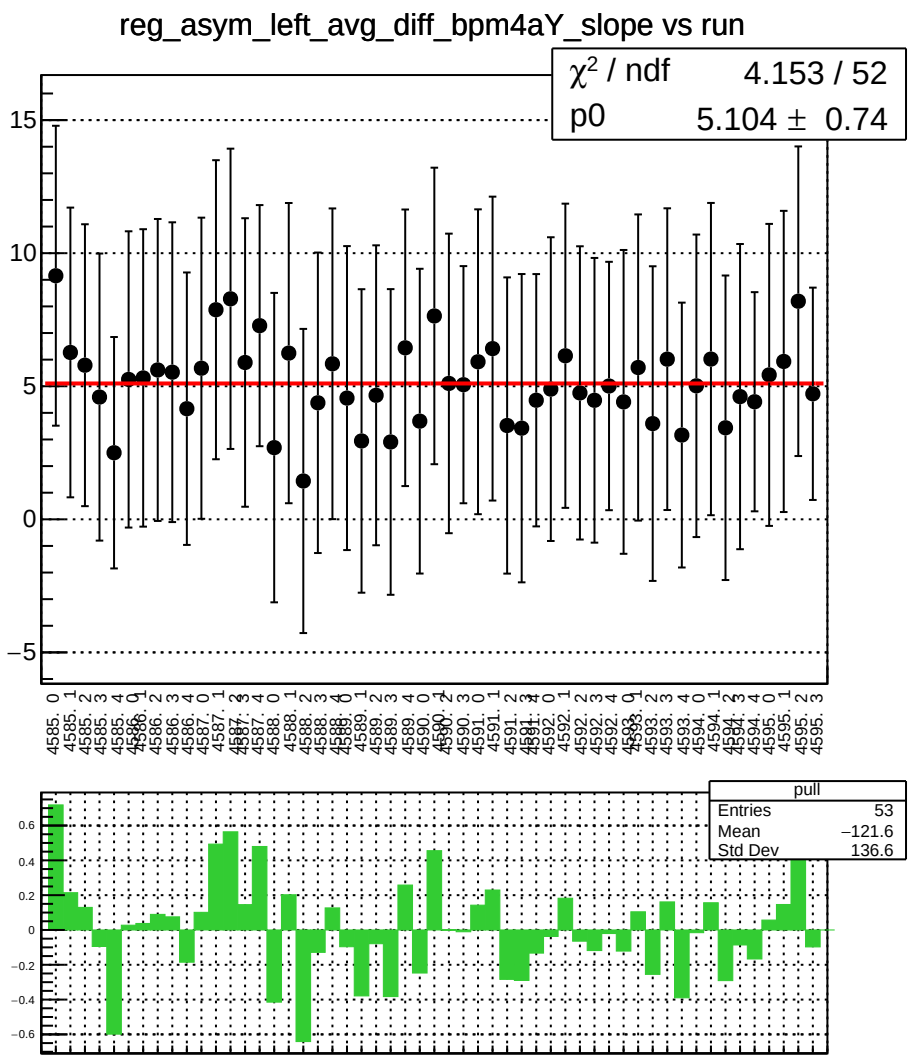

pull1D
Entries 53
Mean −0.002824
Std Dev 0.2394

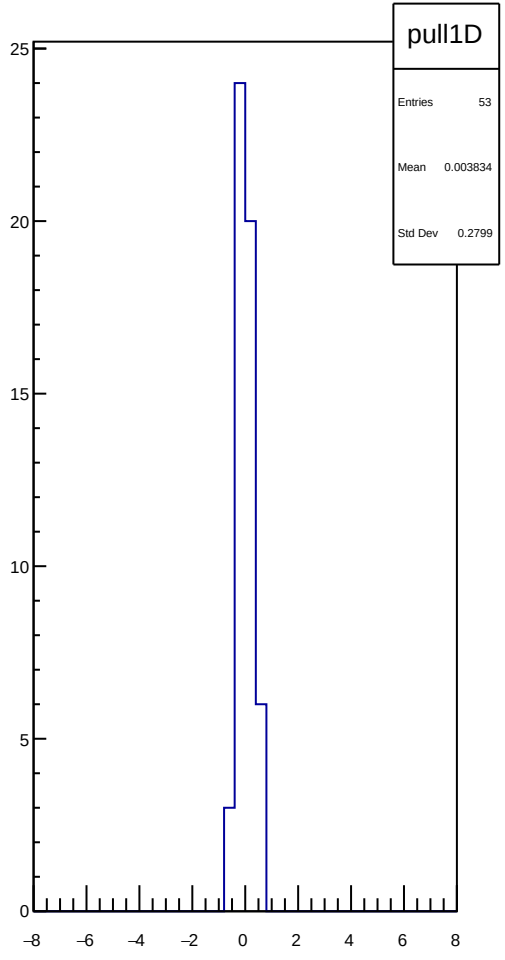

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 9.463 / 52
p0 8.536 ± 0.1317
pull
Entries 53
Mean −363.9
Std Dev 392.3

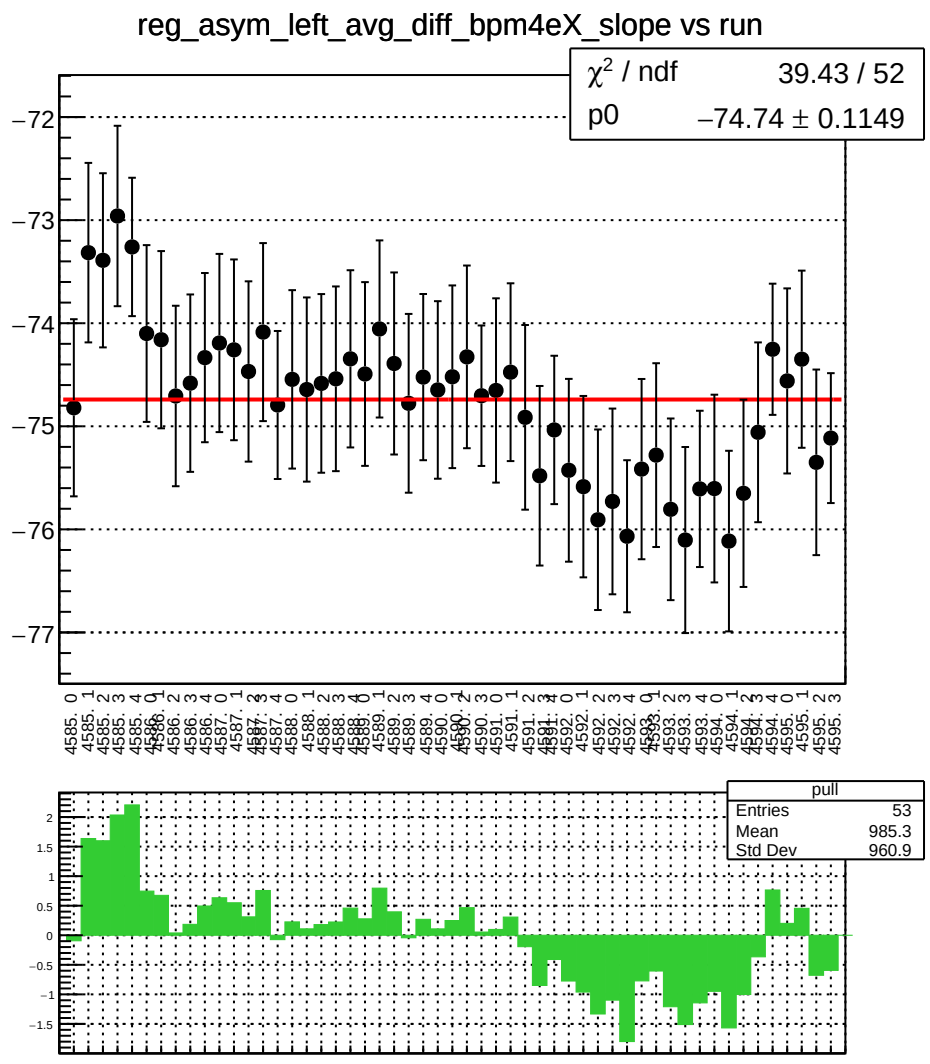

pull1D
Entries 53
Mean 0.01268
Std Dev 0.4224

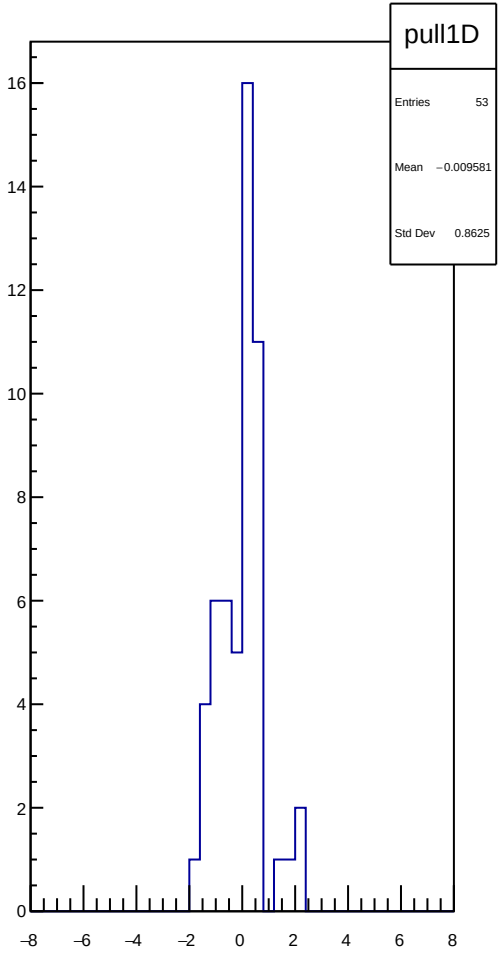

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.206 / 52
p0 31.43 ± 0.5713
pull
Entries 53
Mean 2072
Std Dev 2044

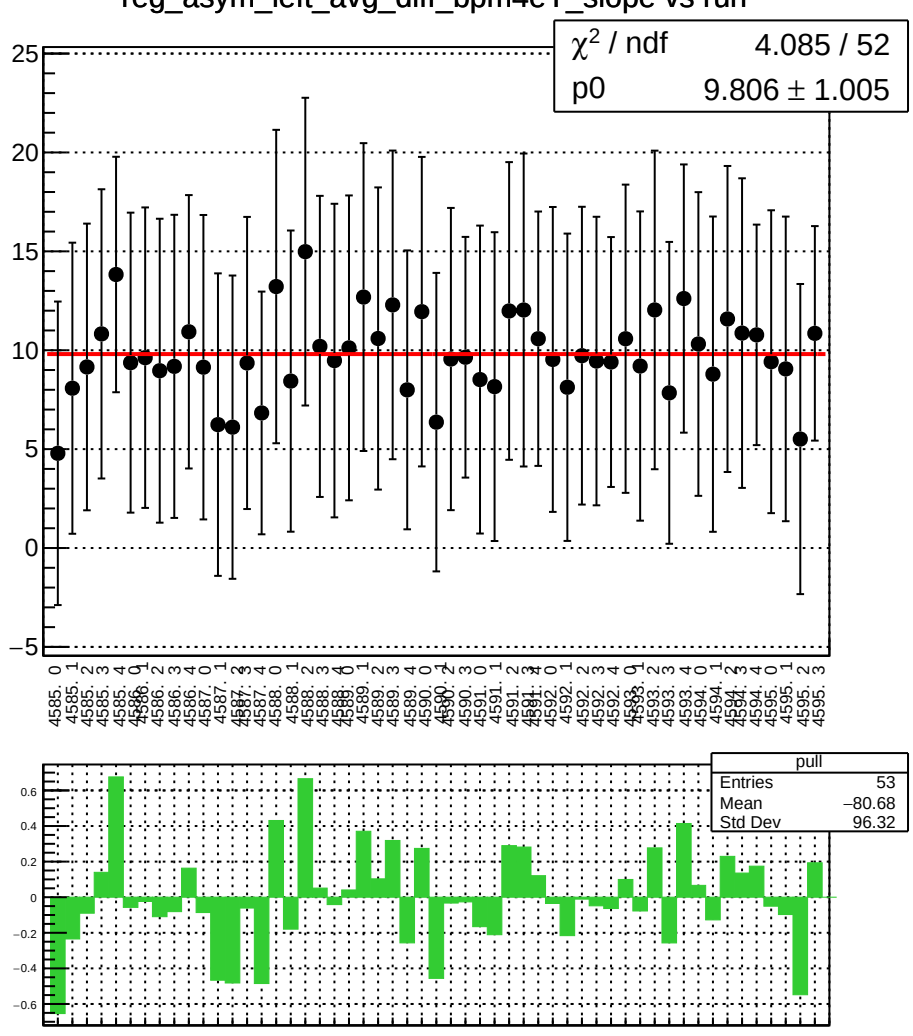

pull1D
Entries 53
Mean −0.0004291
Std Dev 0.3687

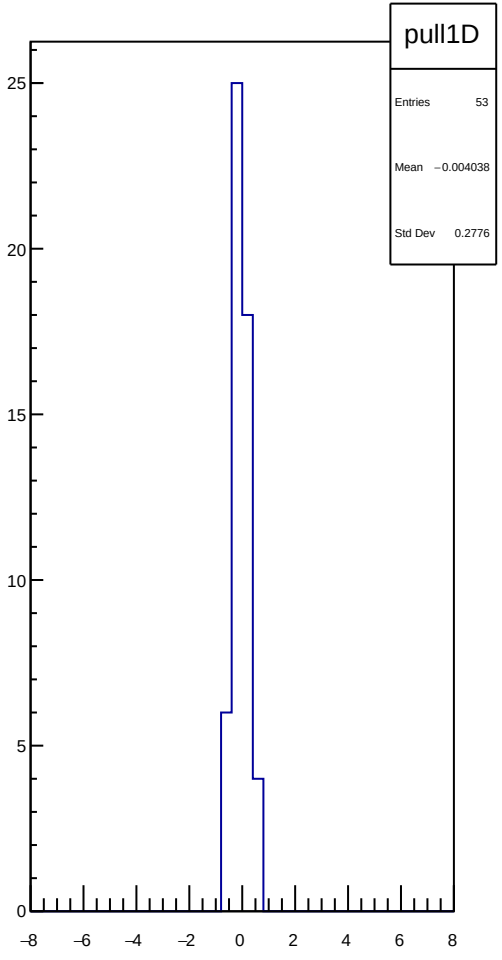

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.153 / 52
p0 5.104 ± 0.74
pull
Entries 53
Mean −121.6
Std Dev 136.6

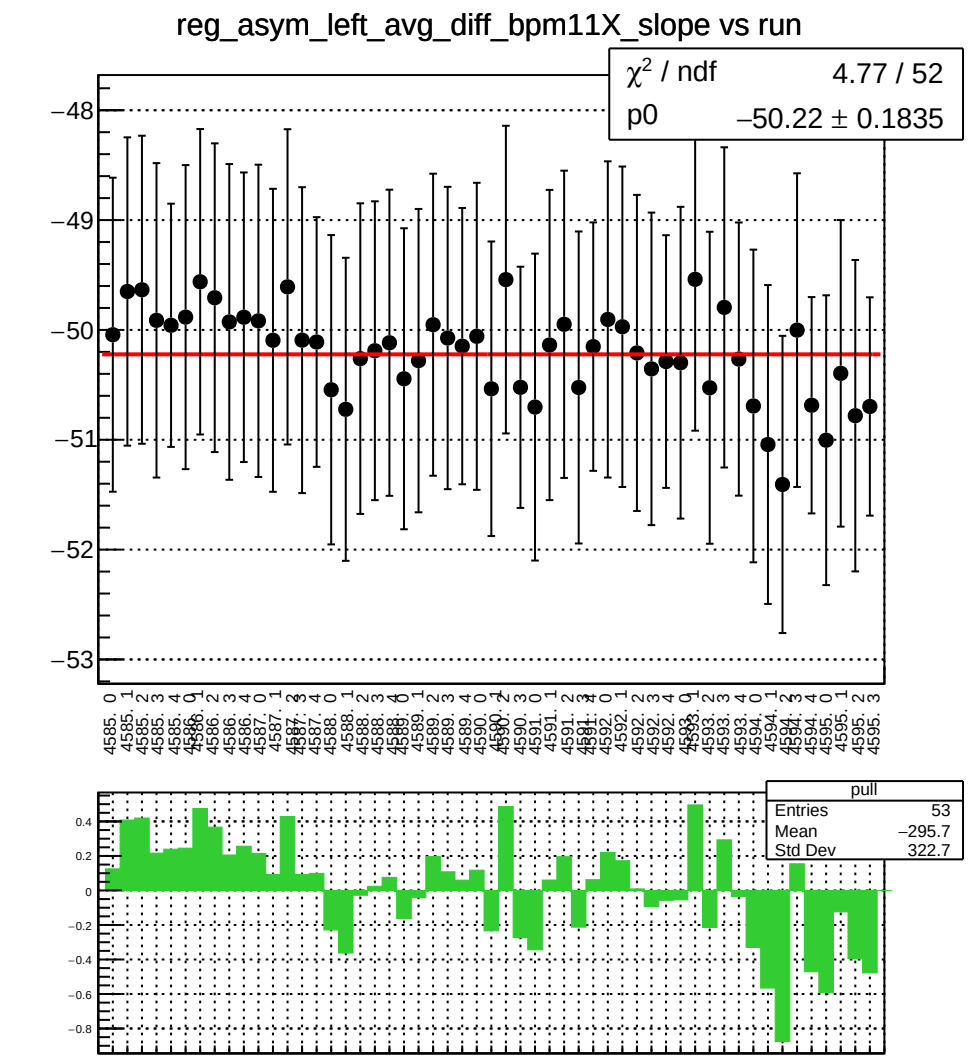

pull1D
Entries 53
Mean 0.003834
Std Dev 0.2799

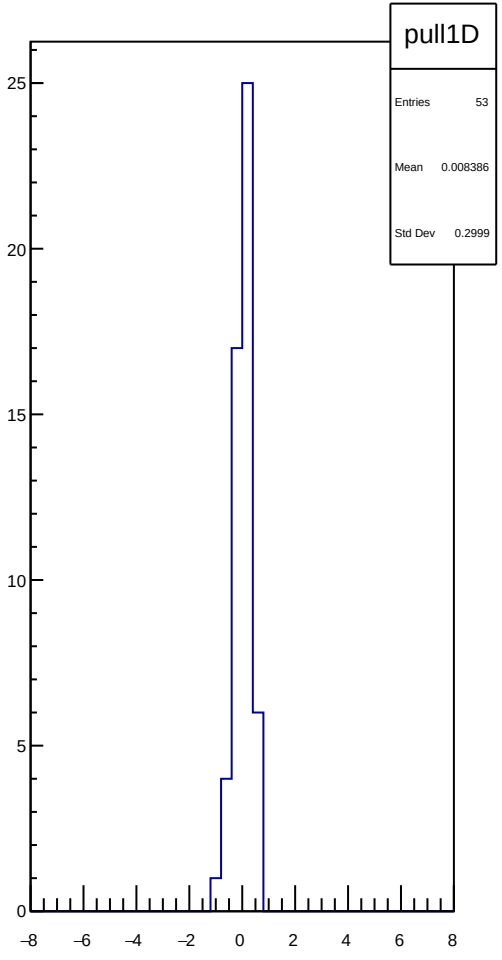

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.43 / 52
p0 −74.74 ± 0.1149
pull
Entries 53
Mean 985.3
Std Dev 960.9

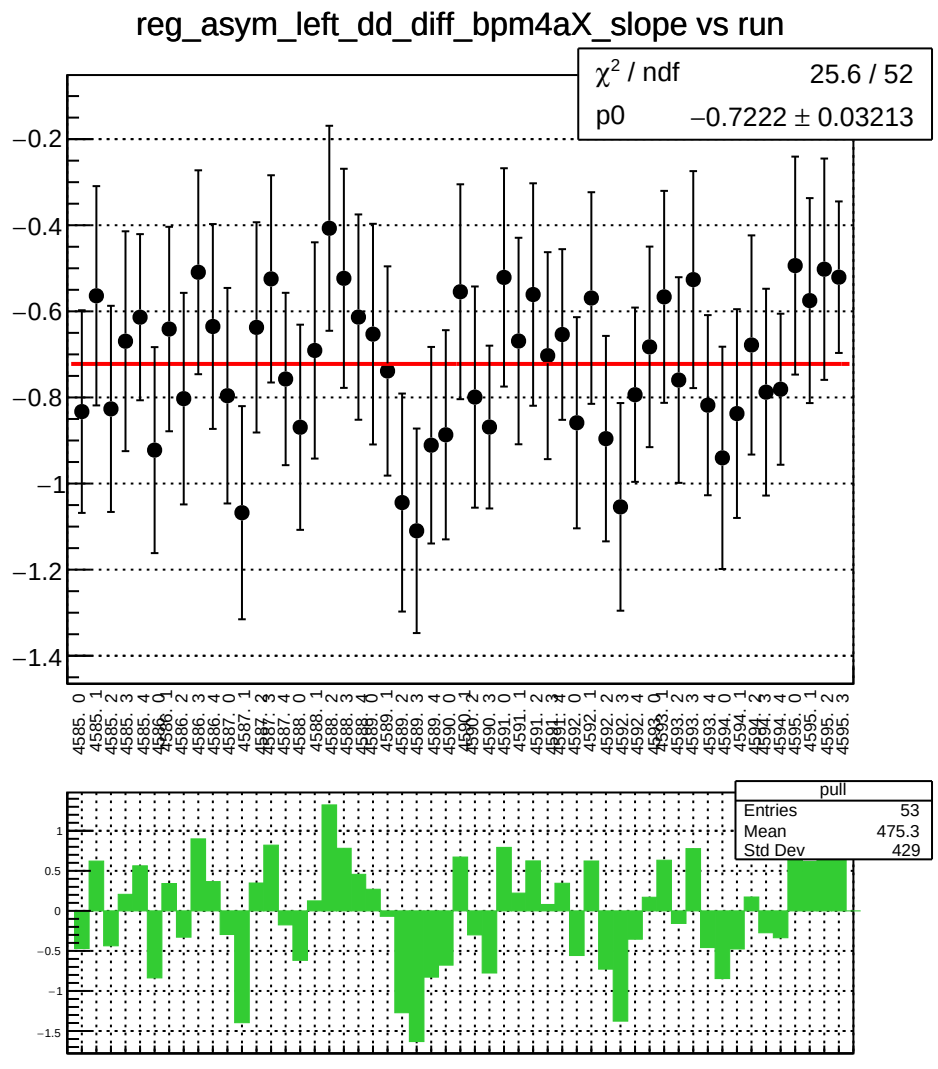

pull1D
Entries 53
Mean −0.009581
Std Dev 0.8625

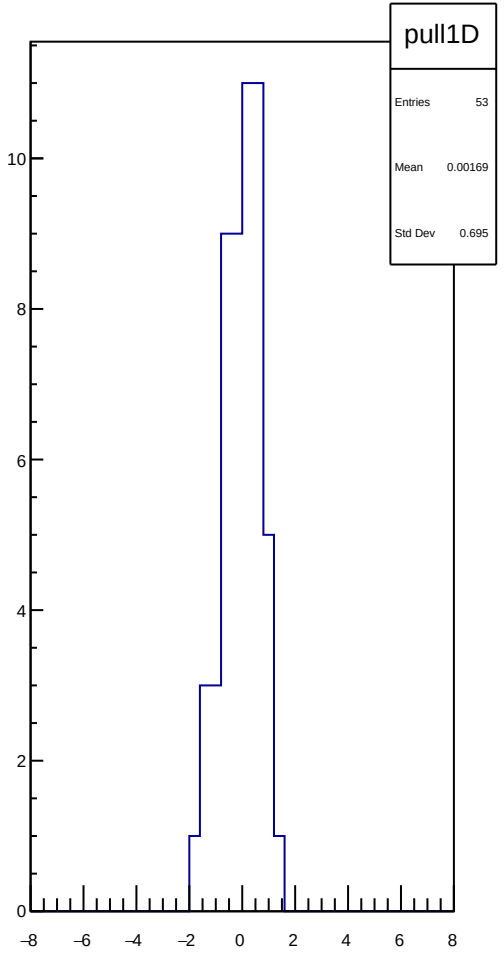

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.085 / 52
p0 9.806 ± 1.005
pull
Entries 53
Mean −80.68
Std Dev 96.32

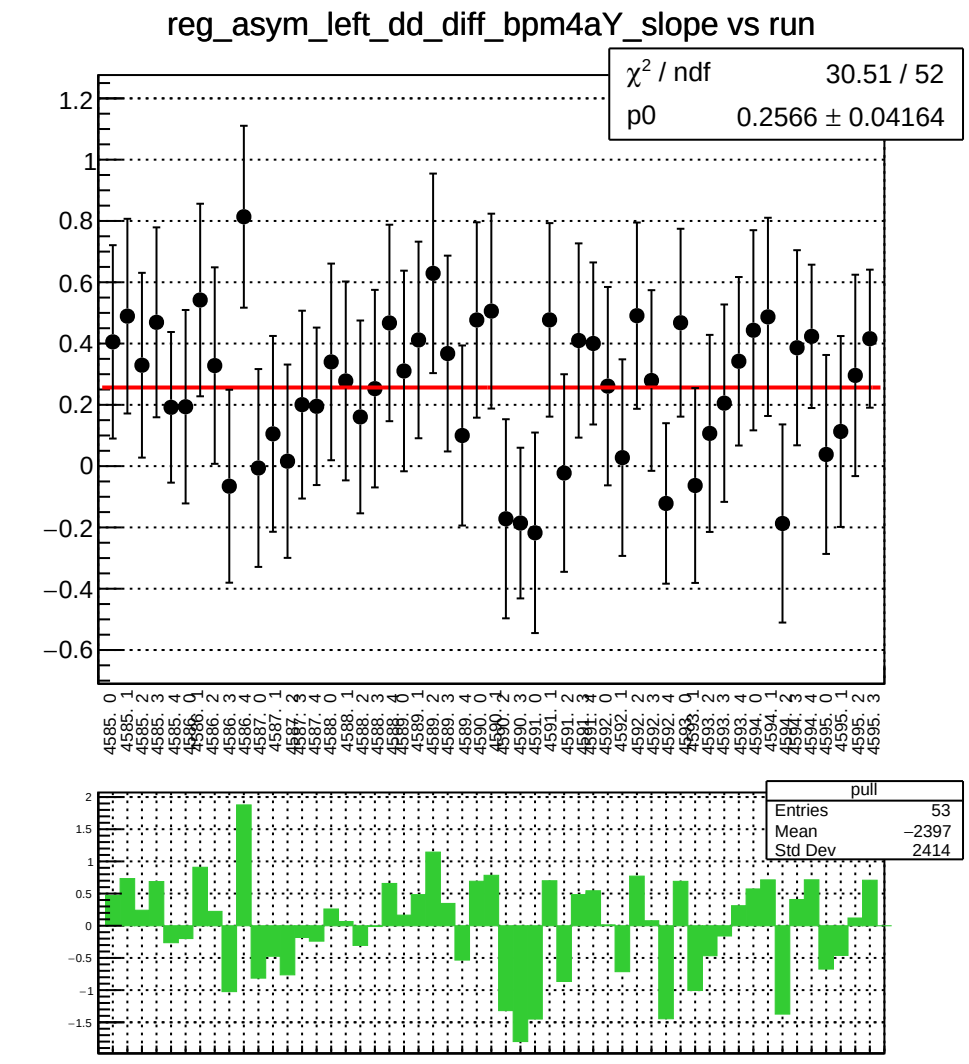

pull1D
Entries 53
Mean −0.004038
Std Dev 0.2776

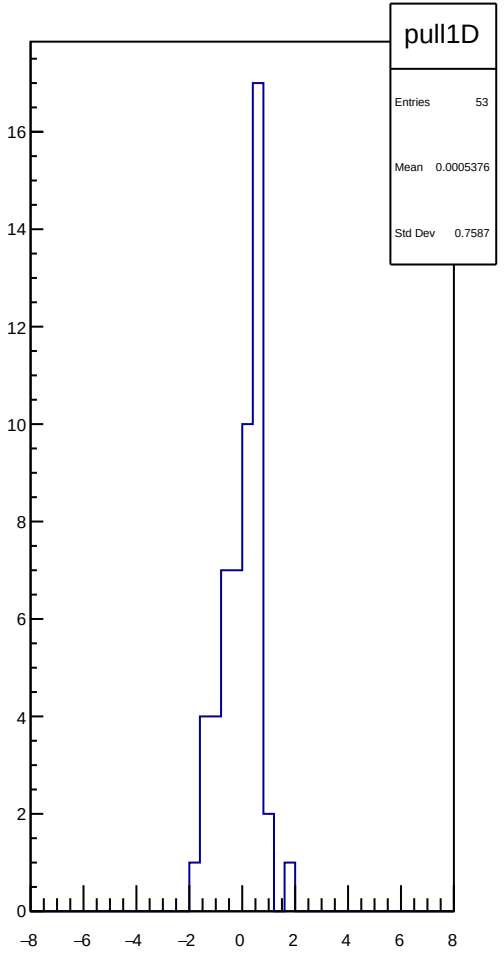

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 4.77 / 52
p0 −50.22 ± 0.1835
pull
Entries 53
Mean −295.7
Std Dev 322.7

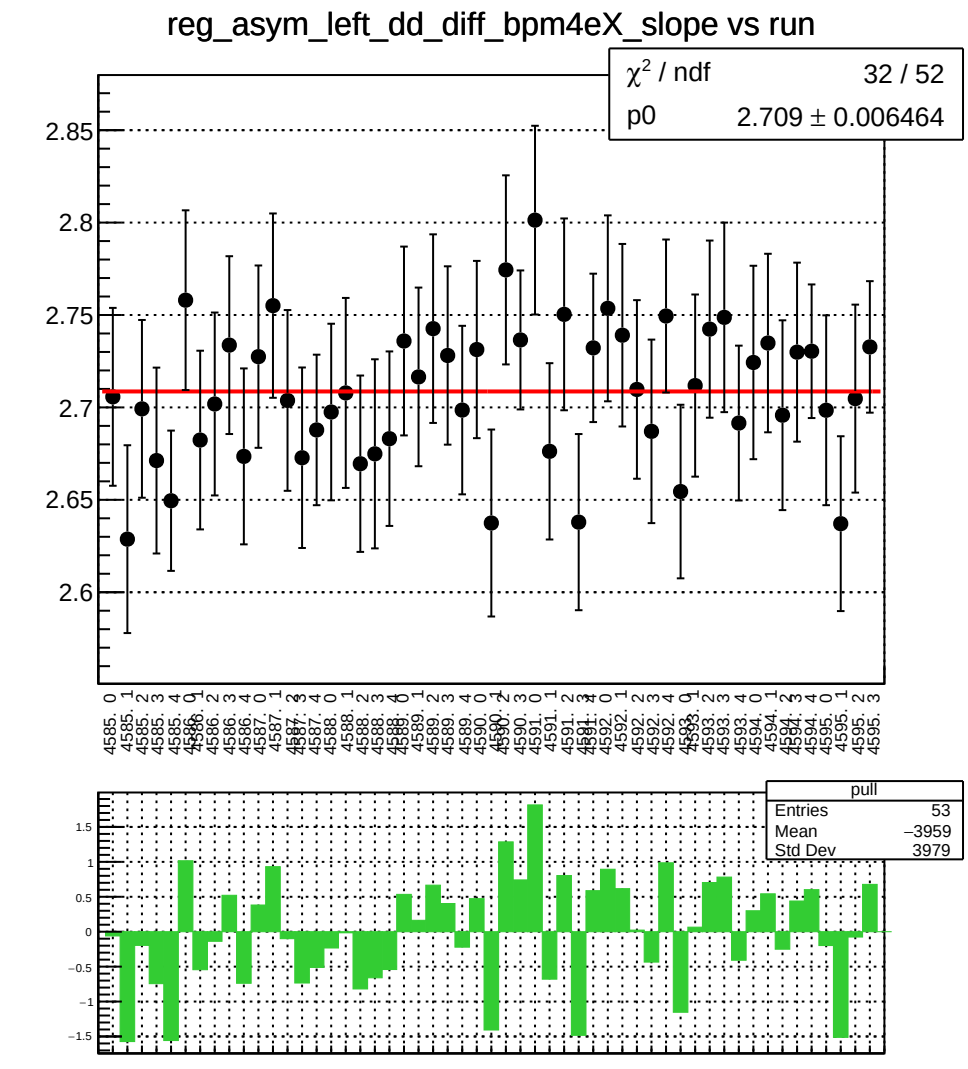

pull1D
Entries 53
Mean 0.008386
Std Dev 0.2999

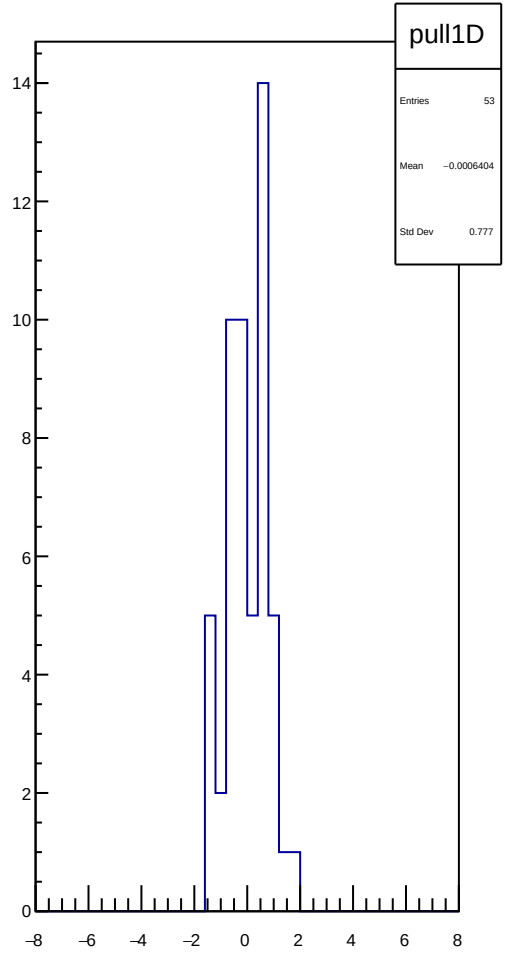

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 25.6 / 52
p0 −0.7222 ± 0.03213
pull
Entries 53
Mean 475.3
Std Dev 429

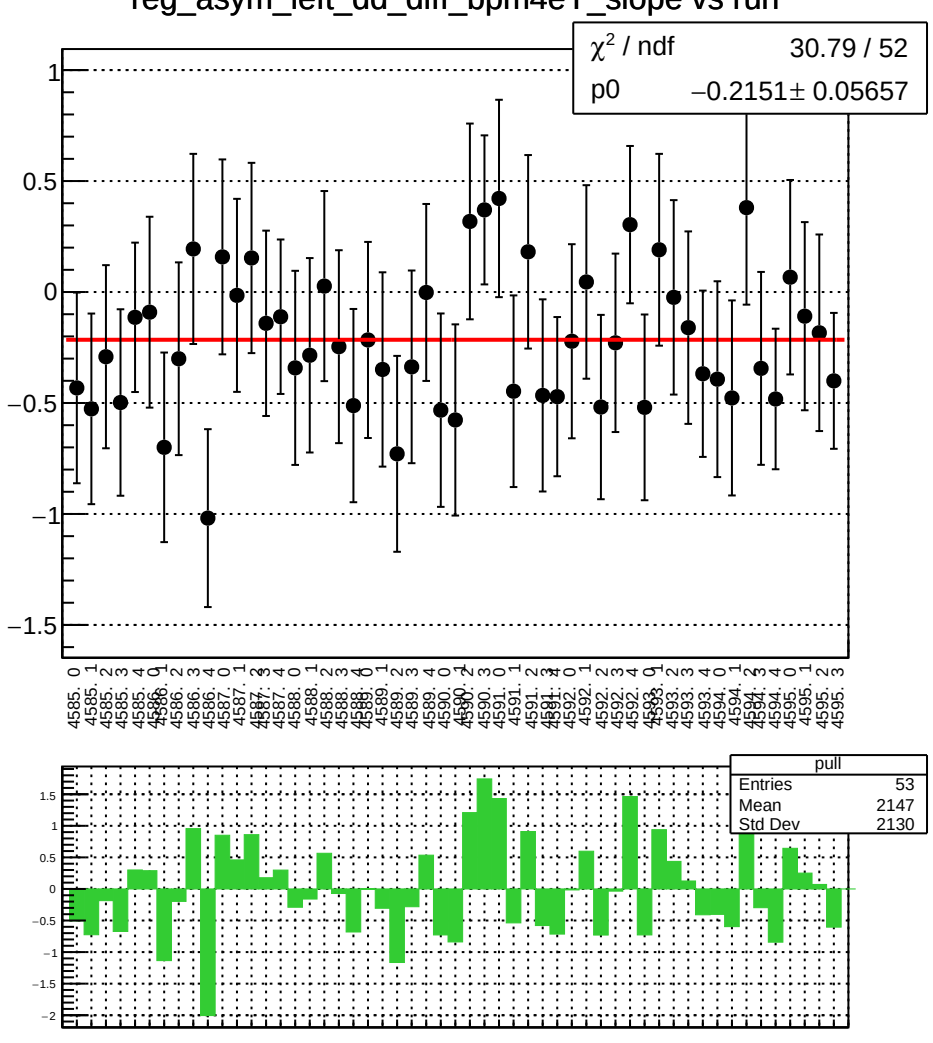

pull1D
Entries 53
Mean 0.00169
Std Dev 0.695

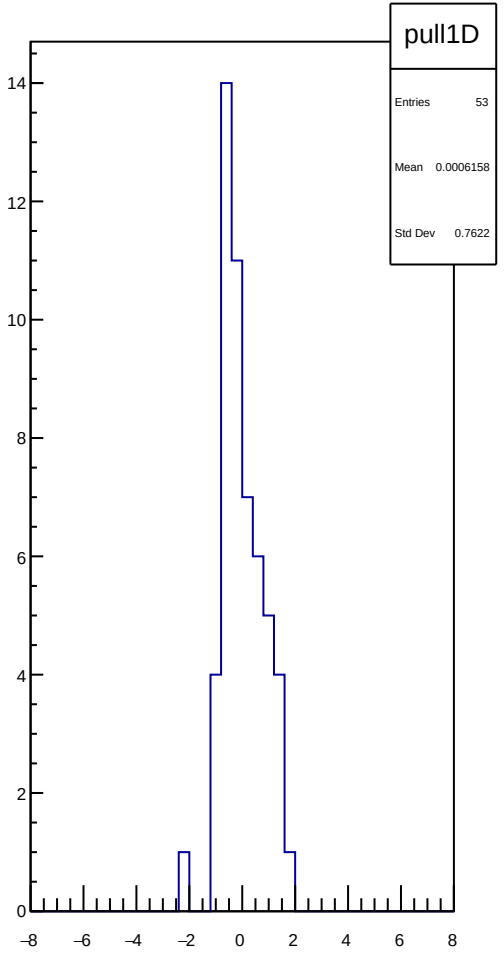

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.51 / 52
p0 0.2566 ± 0.04164
pull
Entries 53
Mean −2397
Std Dev 2414

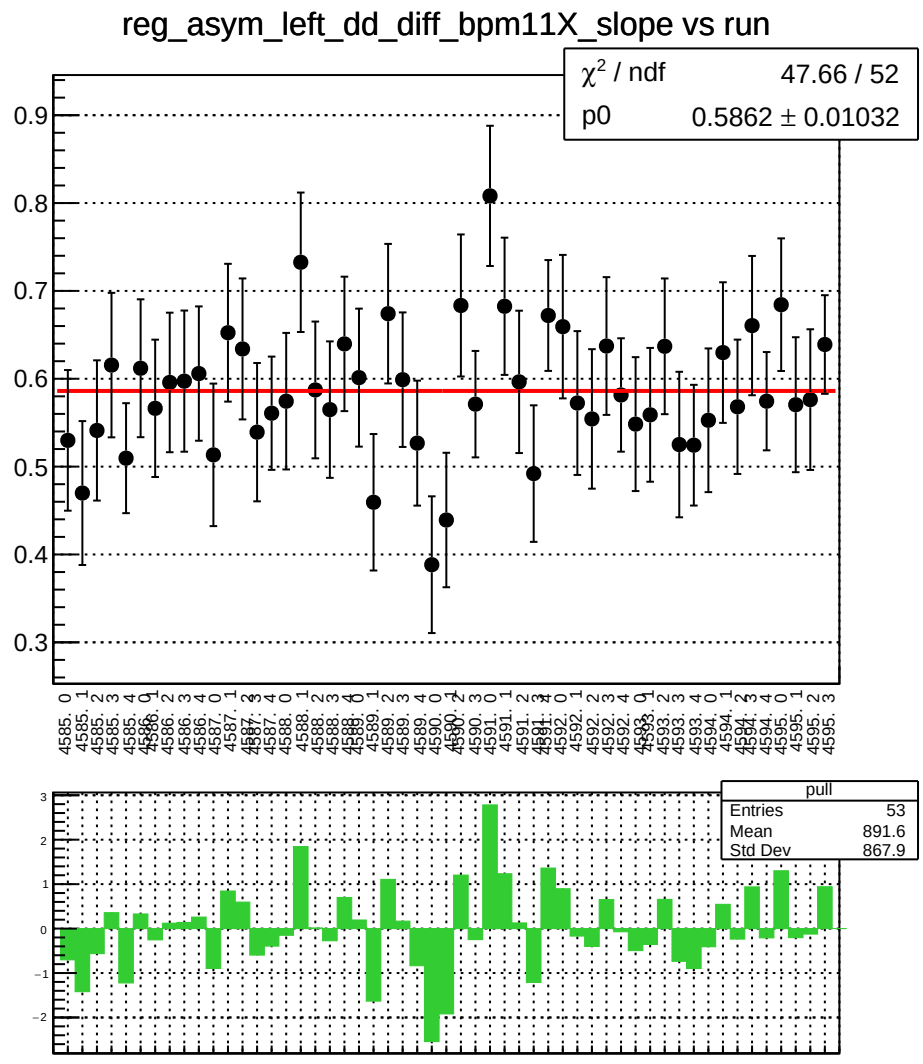

pull1D
Entries 53
Mean 0.0005376
Std Dev 0.7587

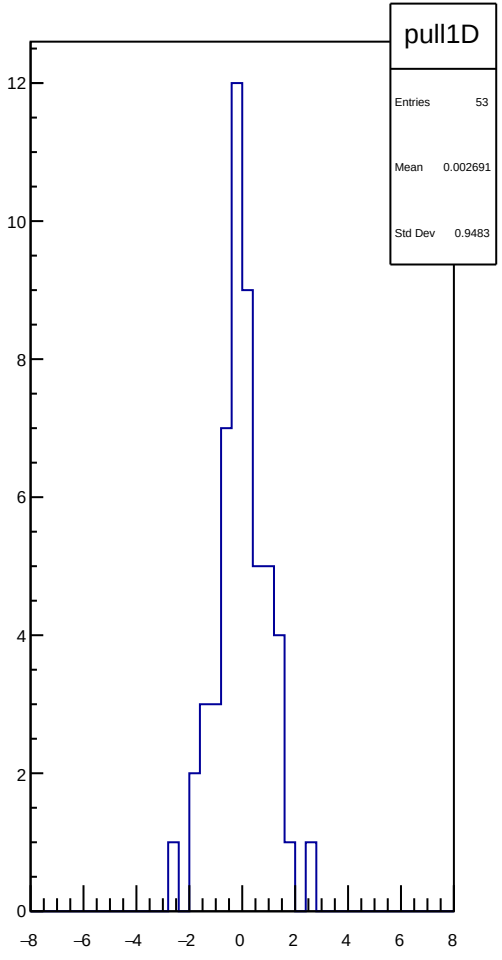

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 32 / 52
p0 2.709 ± 0.006464
2.85
2.8
2.75
2.7
2.65
2.6
pull
Entries 53
Mean −3959
Std Dev 3979
1.5
1
0.5
0
−0.5
−1
−1.5

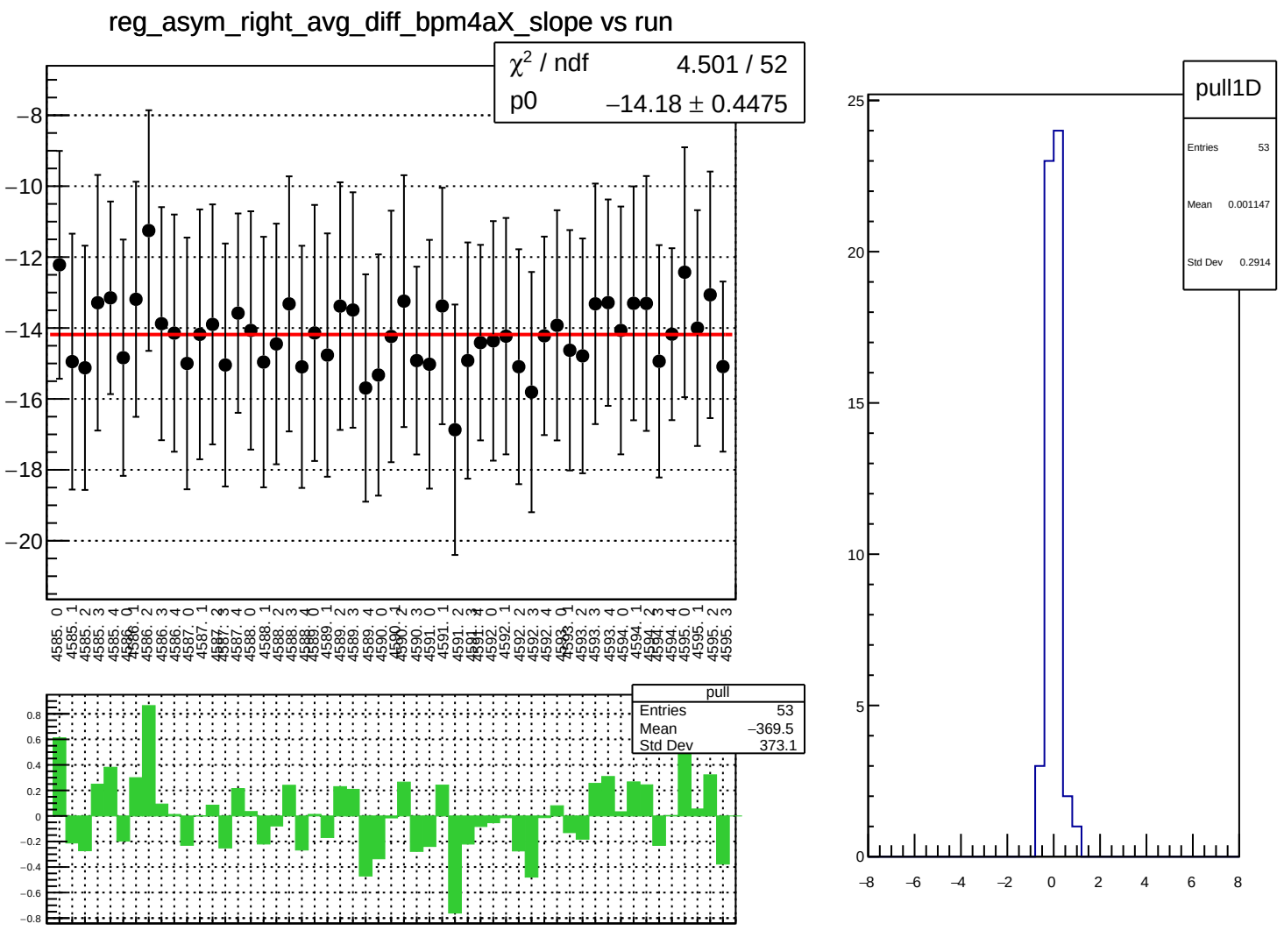

pull1D
Entries 53
Mean −0.0006404
Std Dev 0.777
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

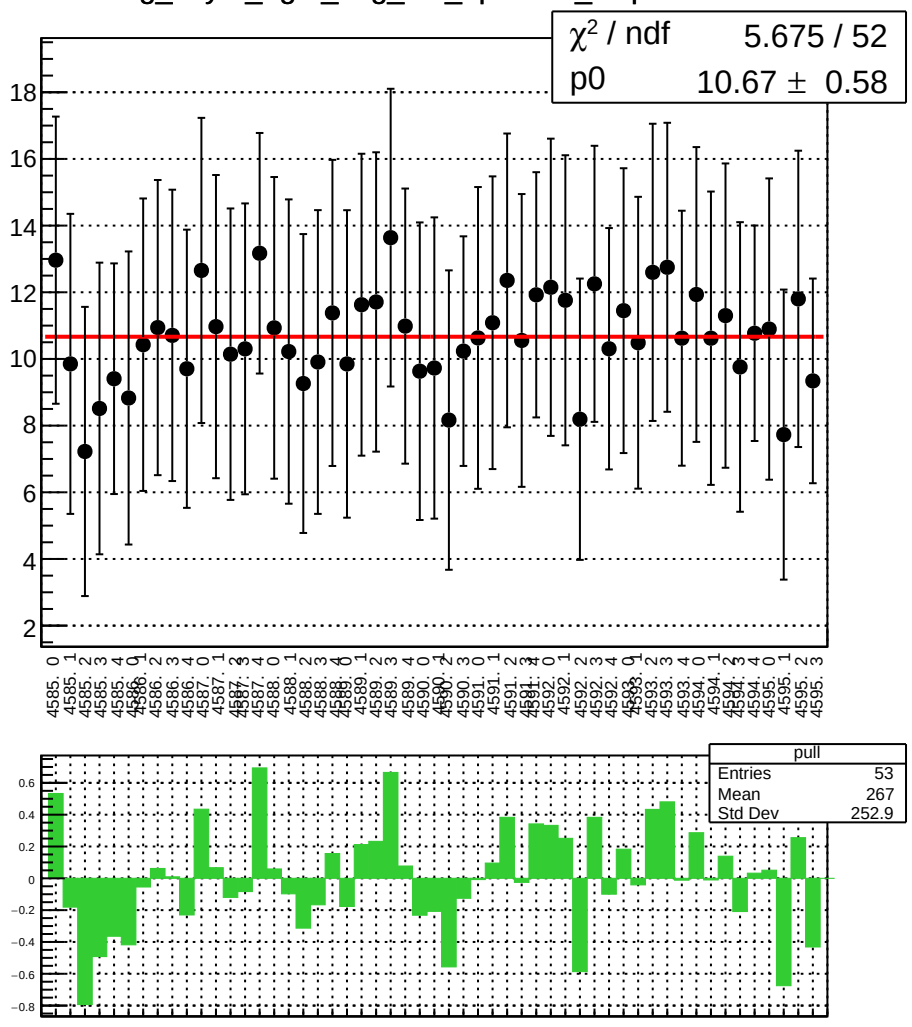

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.79 / 52
p0 −0.2151± 0.05657
pull
Entries 53
Mean 2147
Std Dev 2130

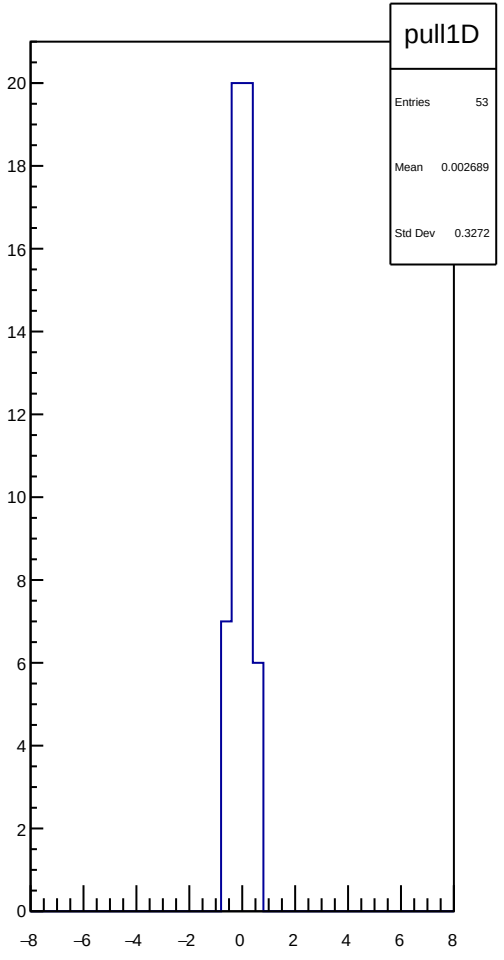

pull1D
Entries 53
Mean 0.0006158
Std Dev 0.7622

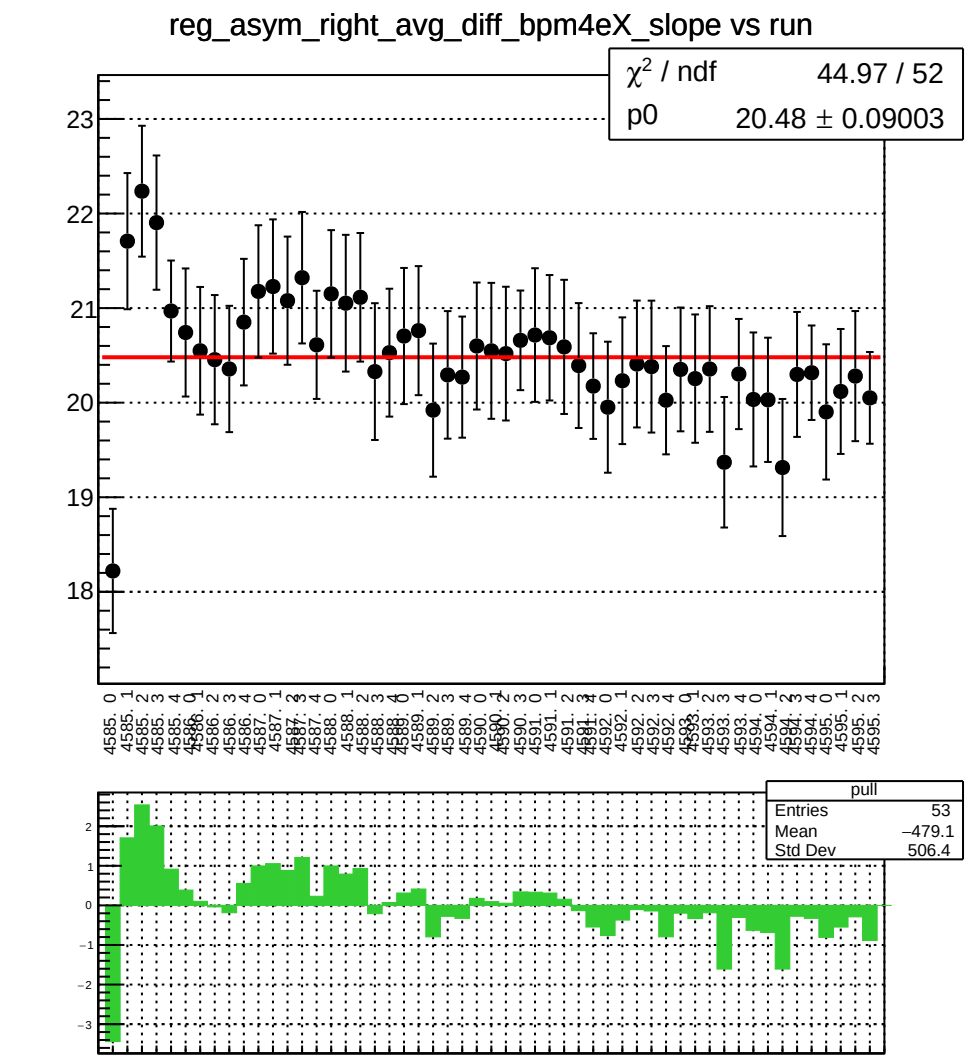

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 47.66 / 52
p0 0.5862 ± 0.01032
pull
Entries 53
Mean 891.6
Std Dev 867.9

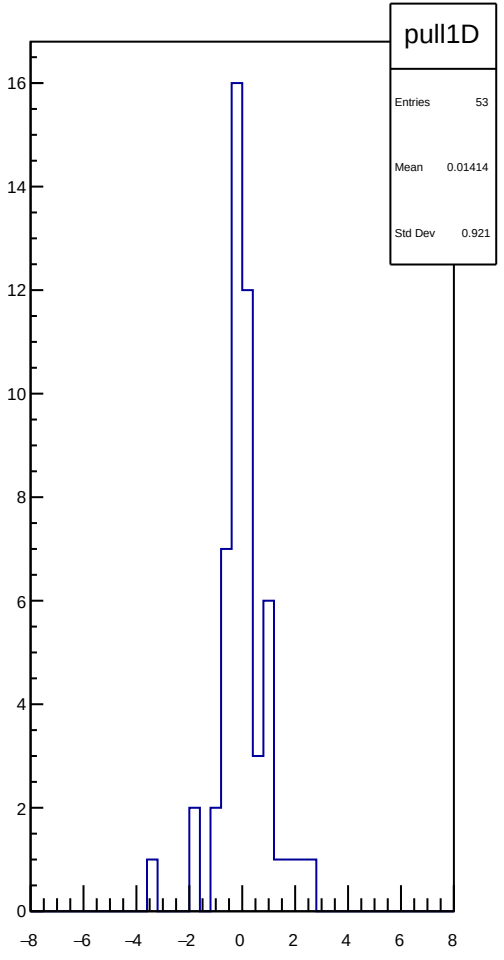

pull1D
Entries 53
Mean 0.002691
Std Dev 0.9483

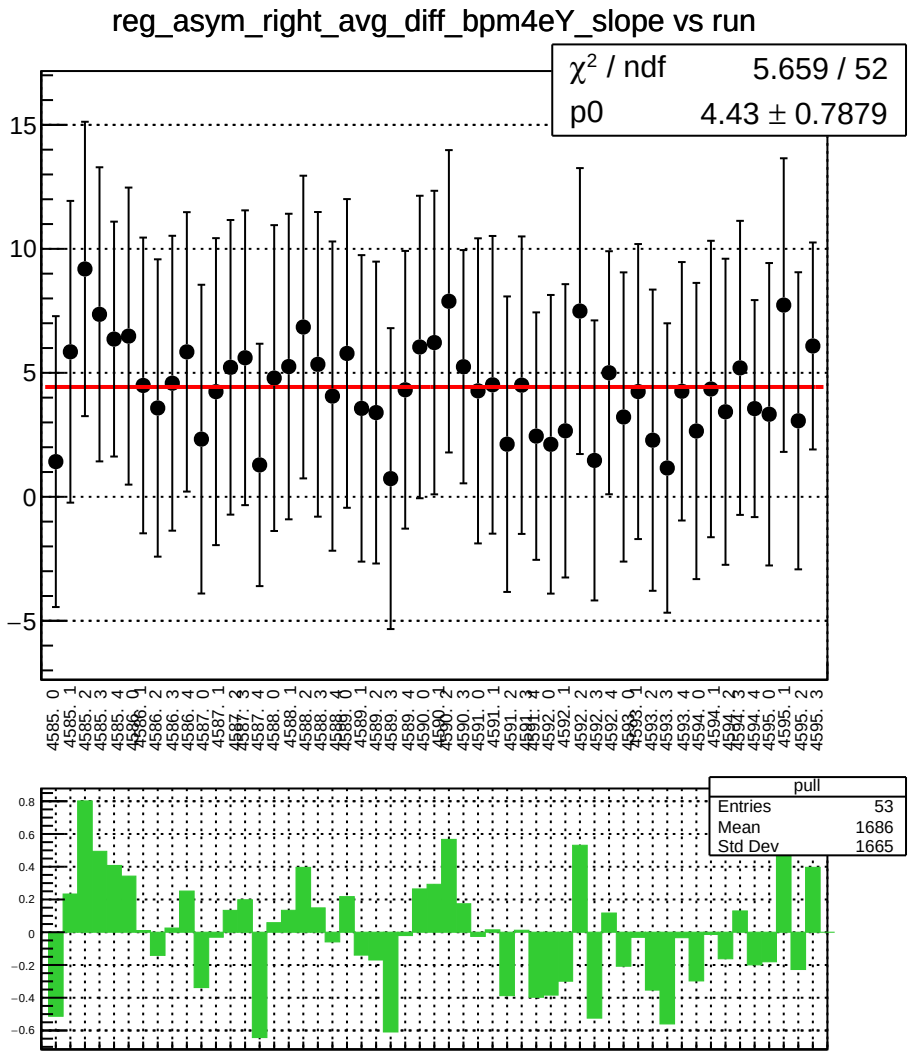

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.501 / 52
p0 −14.18 ± 0.4475
pull
Entries 53
Mean −369.5
Std Dev 373.1
pull1D
Entries 53
Mean 0.001147
Std Dev 0.2914

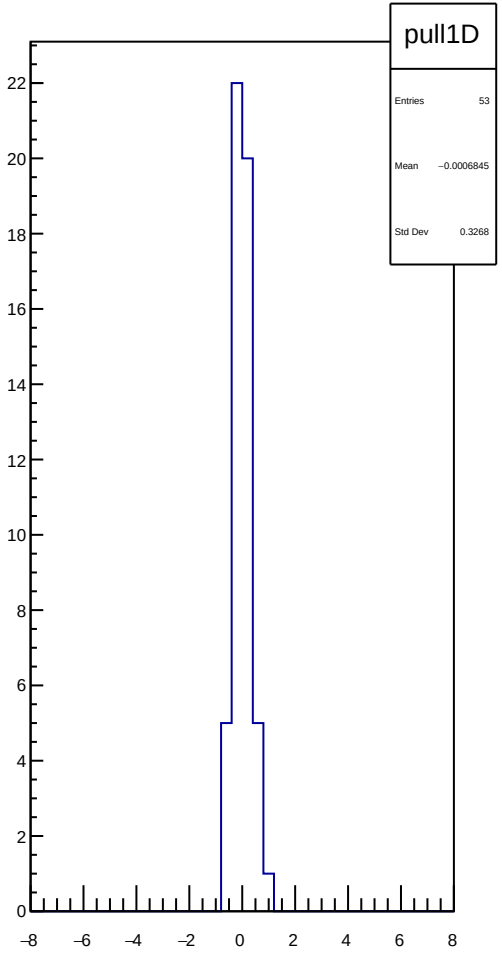

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.675 / 52
p0 10.67 ± 0.58
pull
Entries 53
Mean 267
Std Dev 252.9

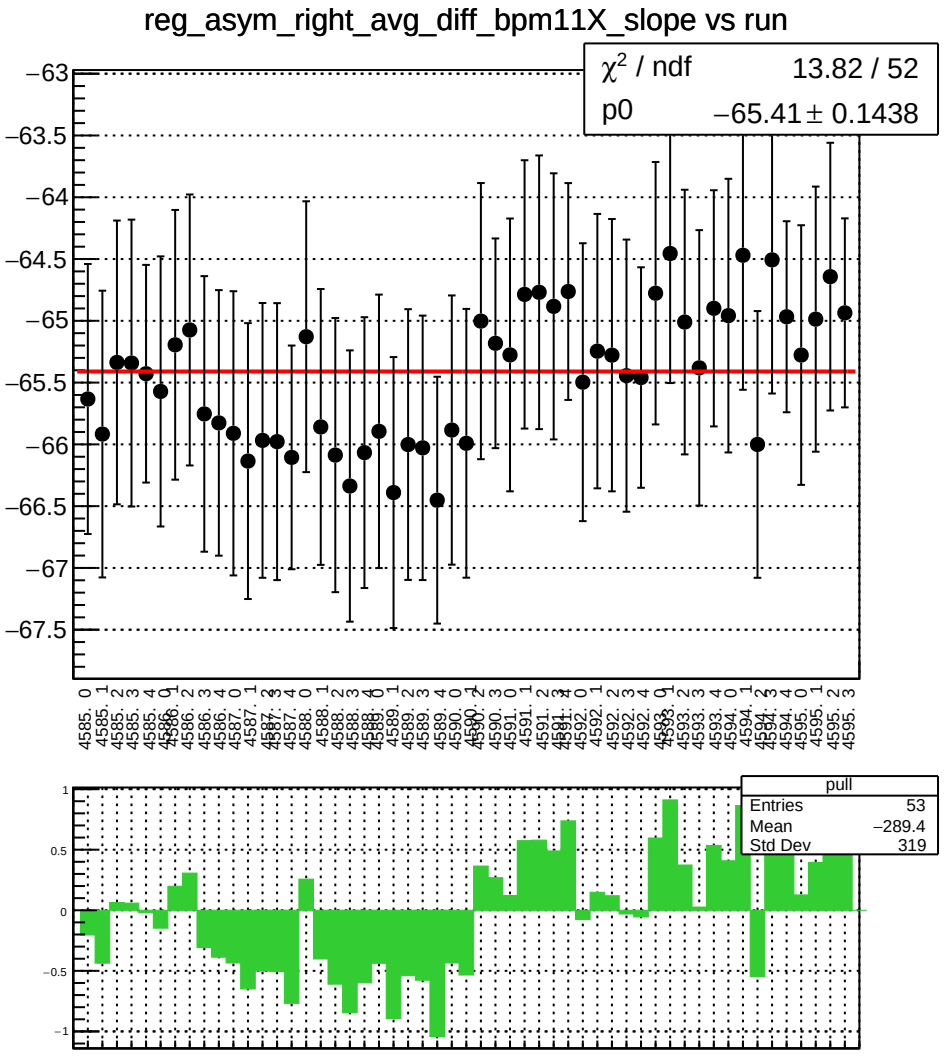

pull1D
Entries 53
Mean 0.002689
Std Dev 0.3272

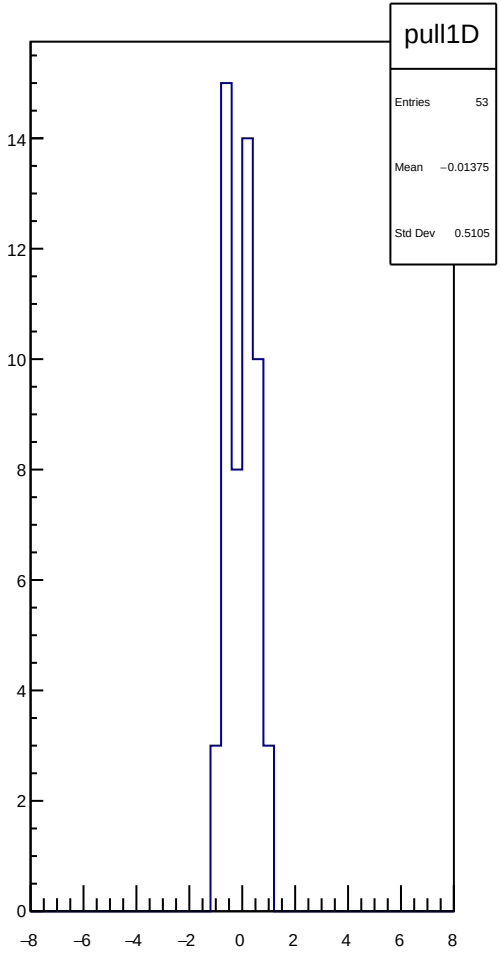

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.97 / 52
p0 20.48 ± 0.09003
pull
Entries 53
Mean −479.1
Std Dev 506.4

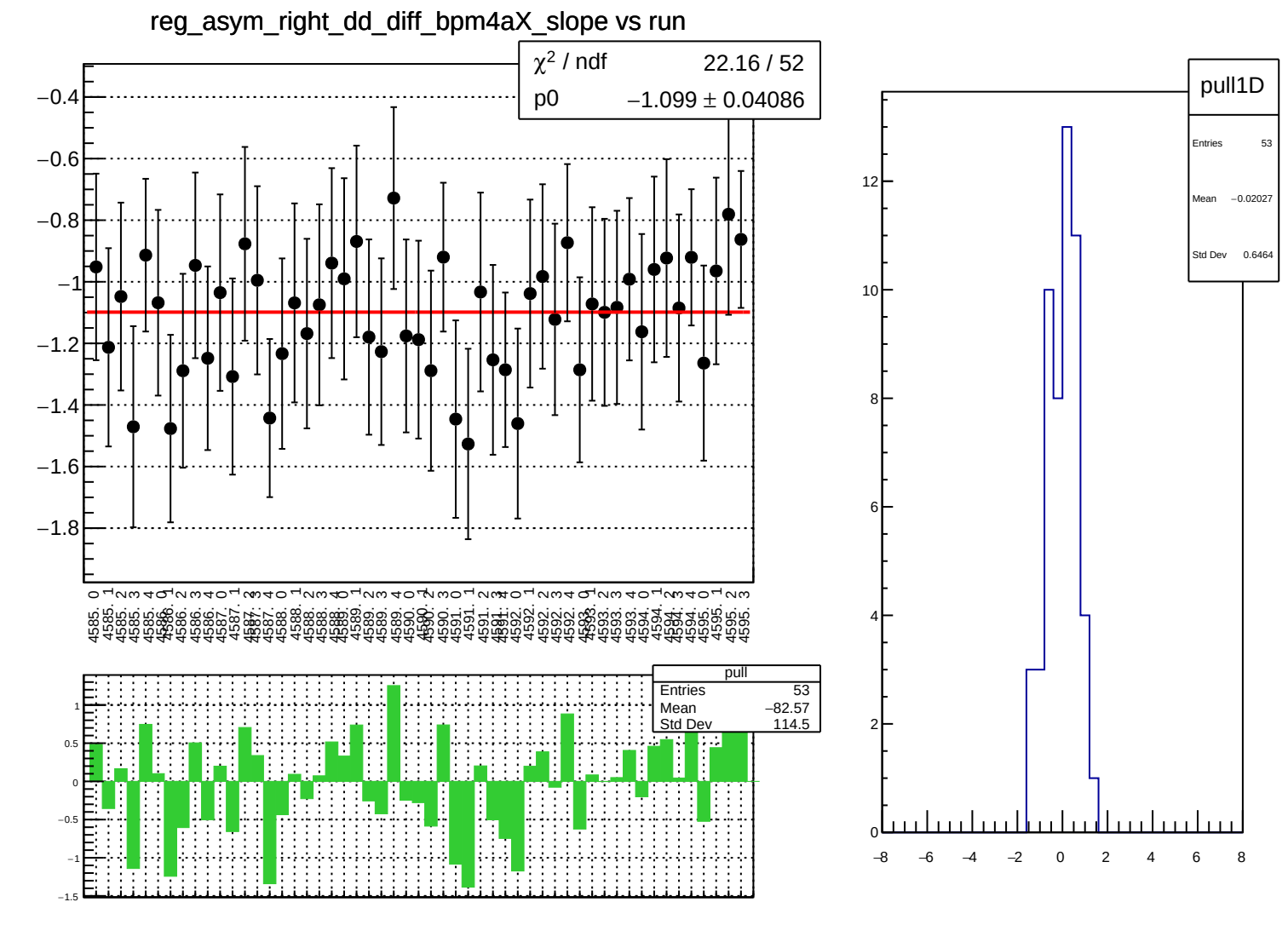

pull1D
Entries 53
Mean 0.01414
Std Dev 0.921

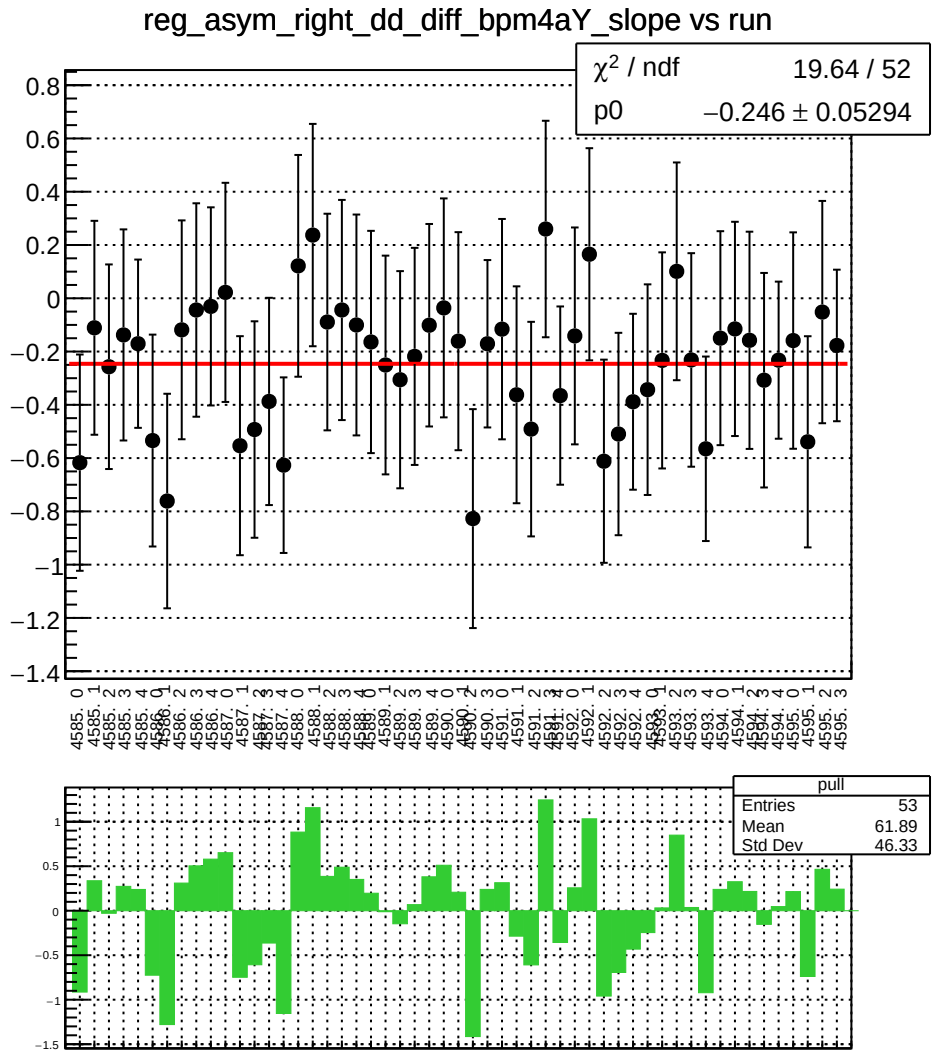

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.659 / 52
p0 4.43 ± 0.7879
pull
Entries 53
Mean 1686
Std Dev 1665

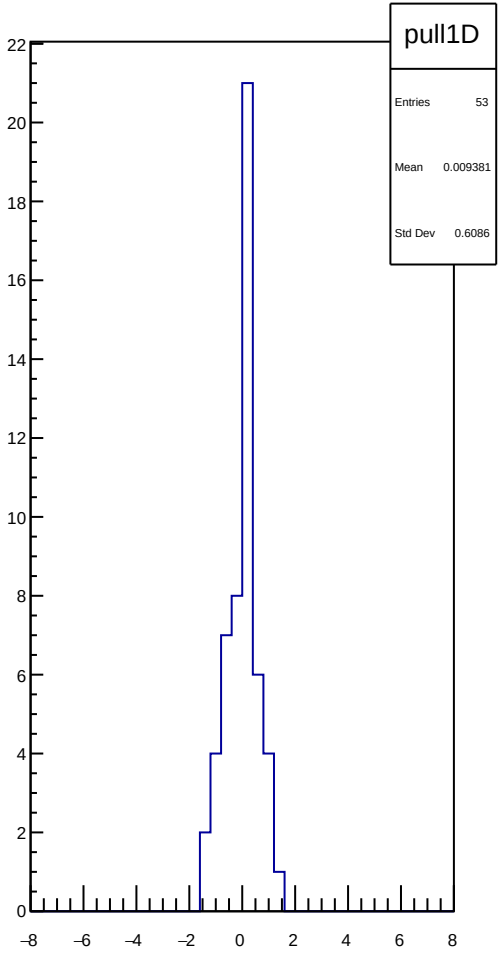

pull1D
Entries 53
Mean −0.0006845
Std Dev 0.3268

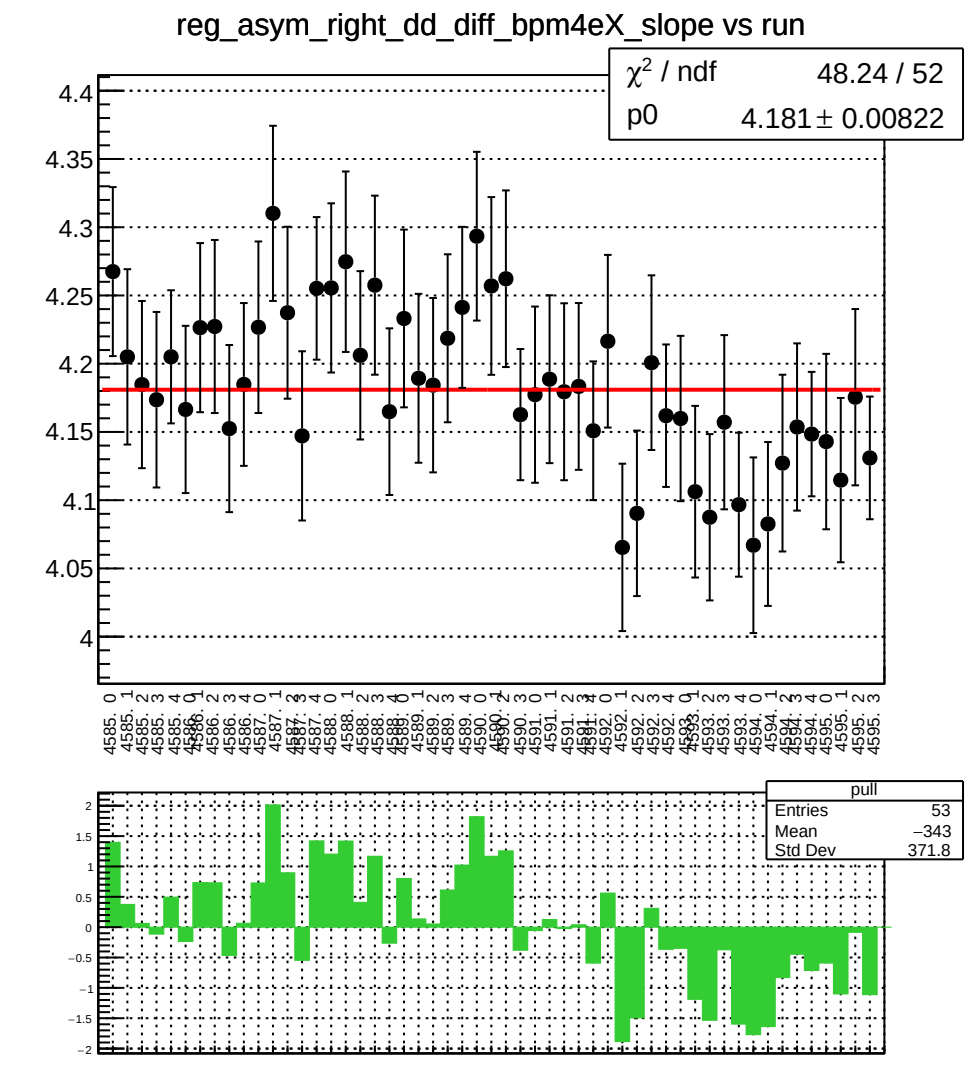

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 13.82 / 52
p0 −65.41 ± 0.1438
pull
Entries 53
Mean −289.4
Std Dev 319

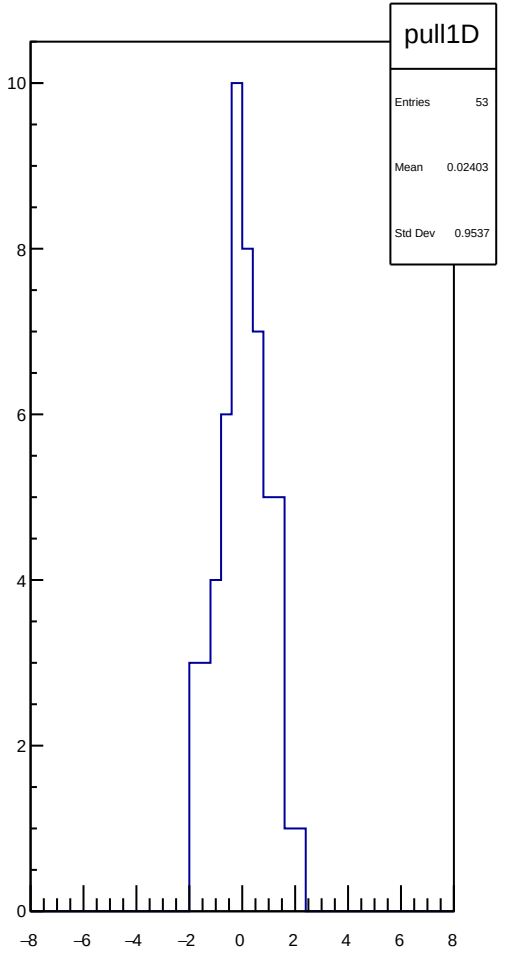

pull1D
Entries 53
Mean −0.01375
Std Dev 0.5105

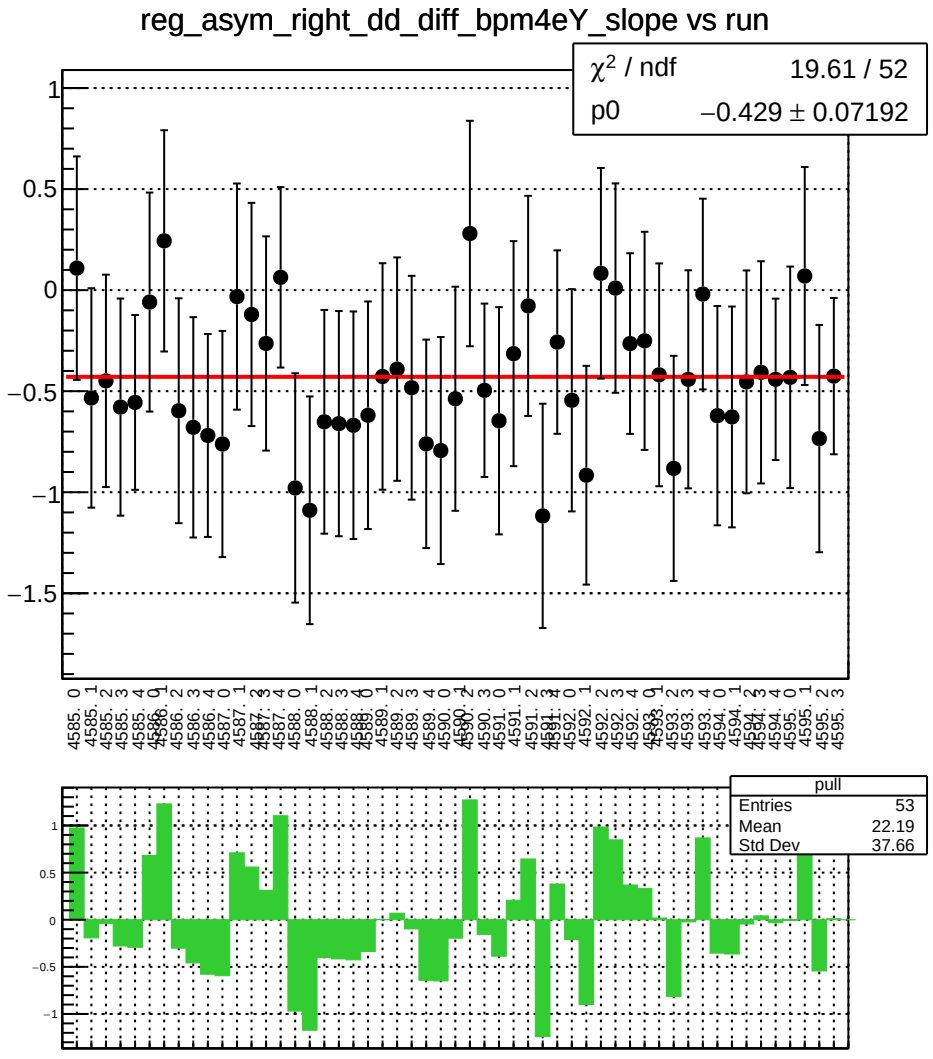

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 22.16 / 52
p0 −1.099 ± 0.04086
pull
Entries 53
Mean −82.57
Std Dev 114.5
pull1D
Entries 53
Mean −0.02027
Std Dev 0.6464

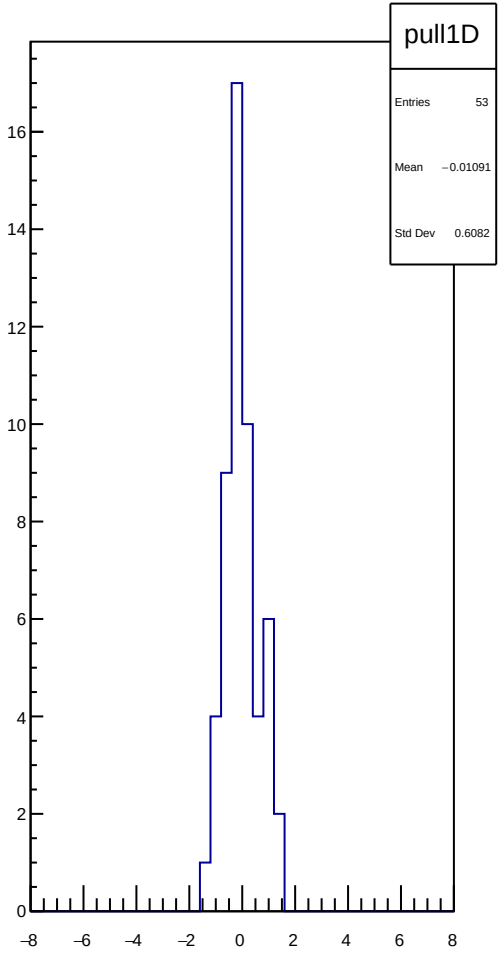

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.64 / 52
p0 −0.246 ± 0.05294
pull
Entries 53
Mean 61.89
Std Dev 46.33

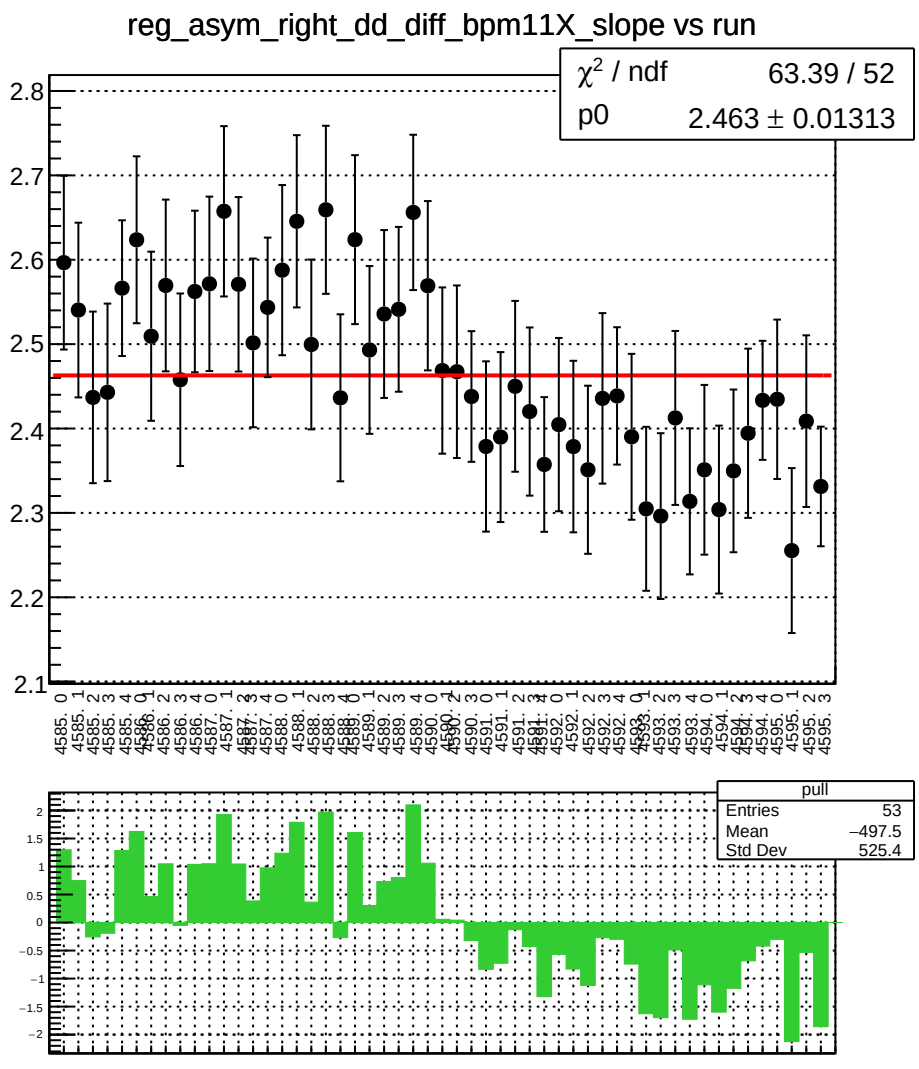

pull1D
Entries 53
Mean 0.009381
Std Dev 0.6086

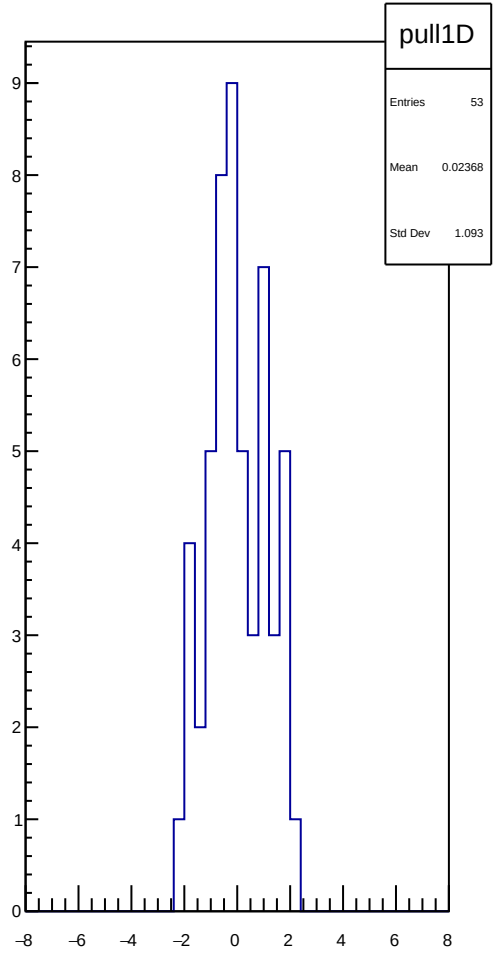

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.24 / 52
p0 4.181 ± 0.00822
4.4
4.35
4.3
4.25
4.2
4.15
4.1
4.05
4
pull
Entries 53
Mean −343
Std Dev 371.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

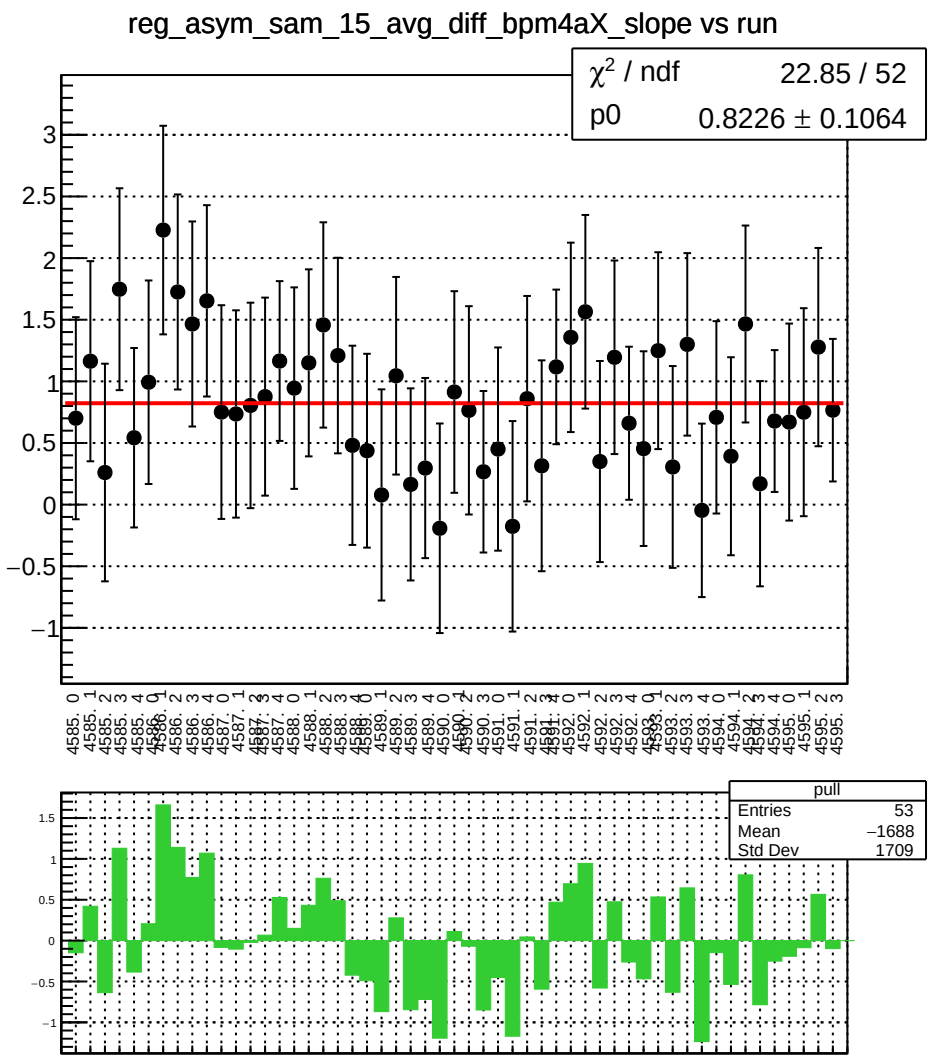

pull1D
Entries 53
Mean 0.02403
Std Dev 0.9537
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

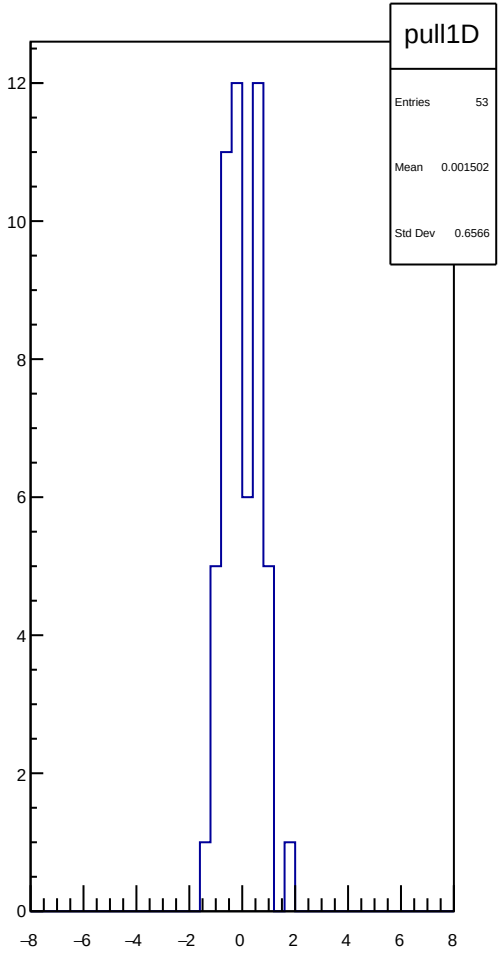

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.61 / 52
p0 −0.429 ± 0.07192
pull
Entries 53
Mean 22.19
Std Dev 37.66

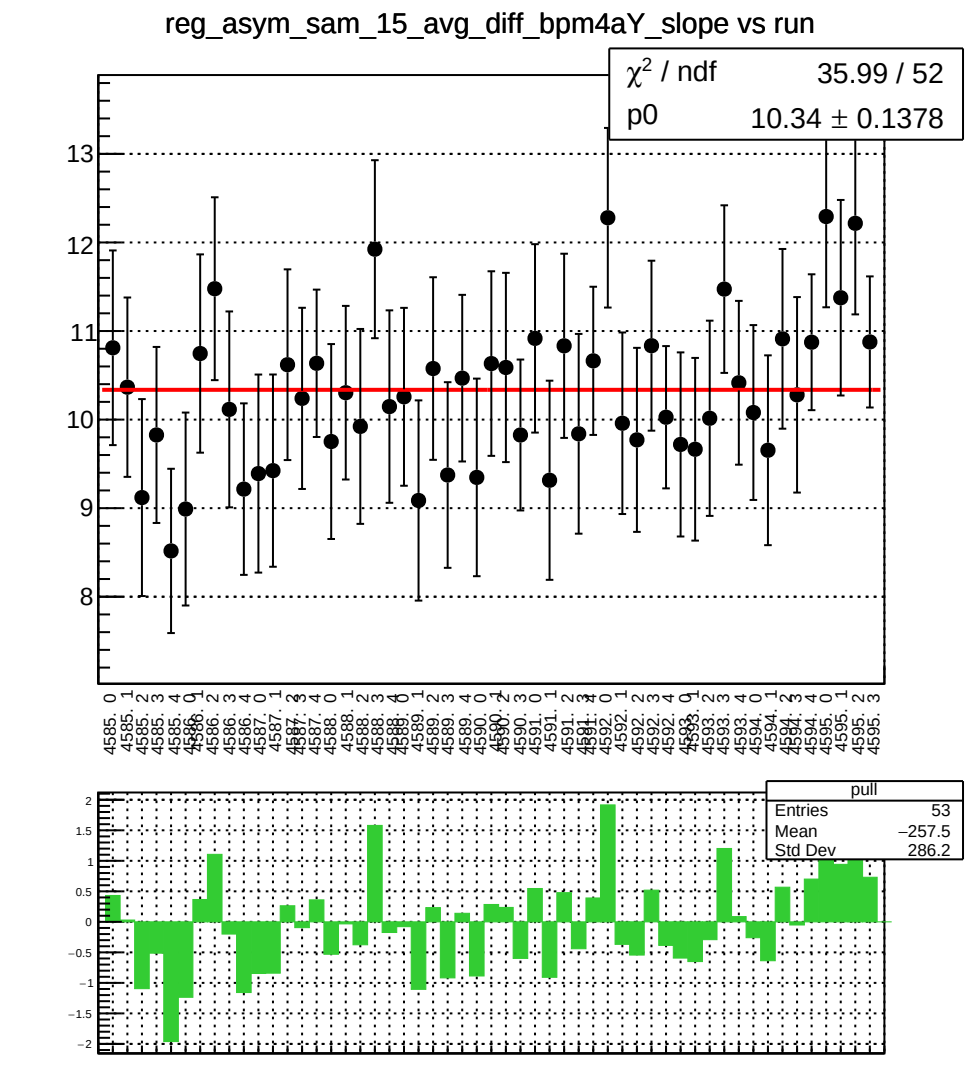

pull1D
Entries 53
Mean −0.01091
Std Dev 0.6082

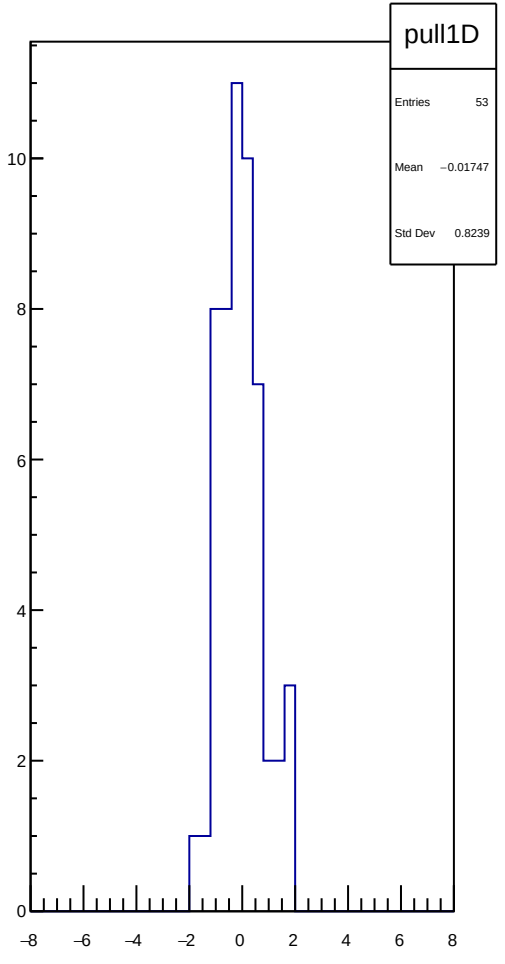

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 63.39 / 52
p0 2.463 ± 0.01313
pull
Entries 53
Mean −497.5
Std Dev 525.4

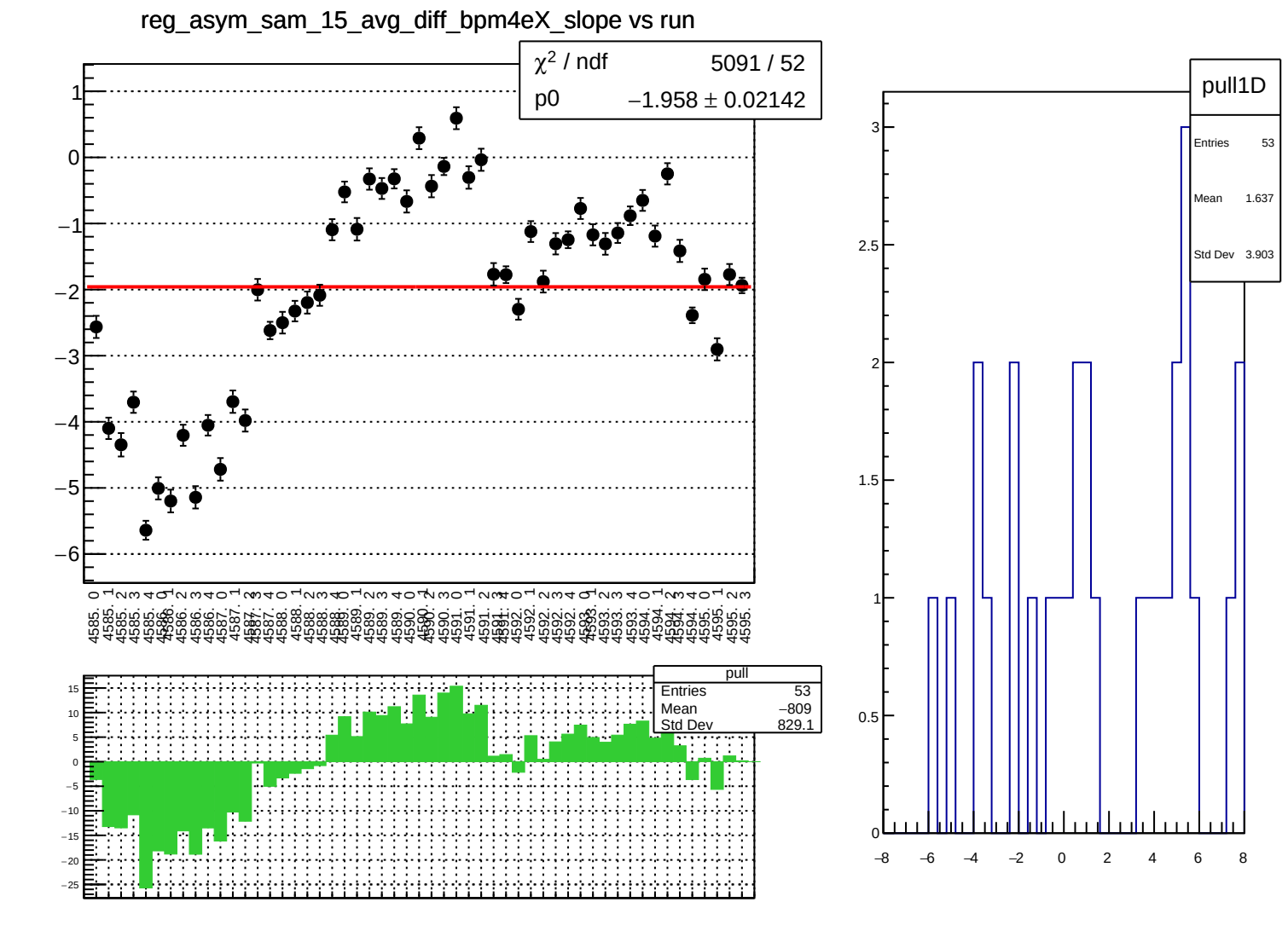

pull1D
Entries 53
Mean 0.02368
Std Dev 1.093

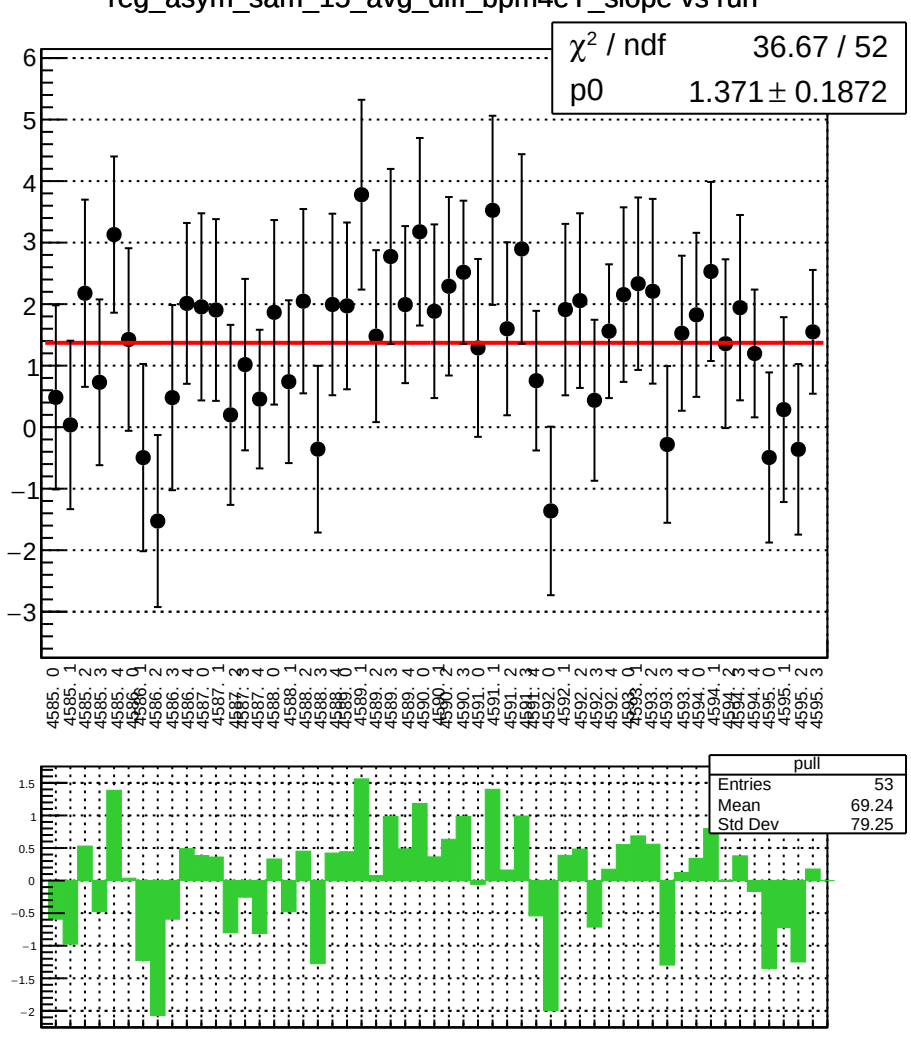

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 22.85 / 52
p0 0.8226 ± 0.1064
pull
Entries 53
Mean −1688
Std Dev 1709

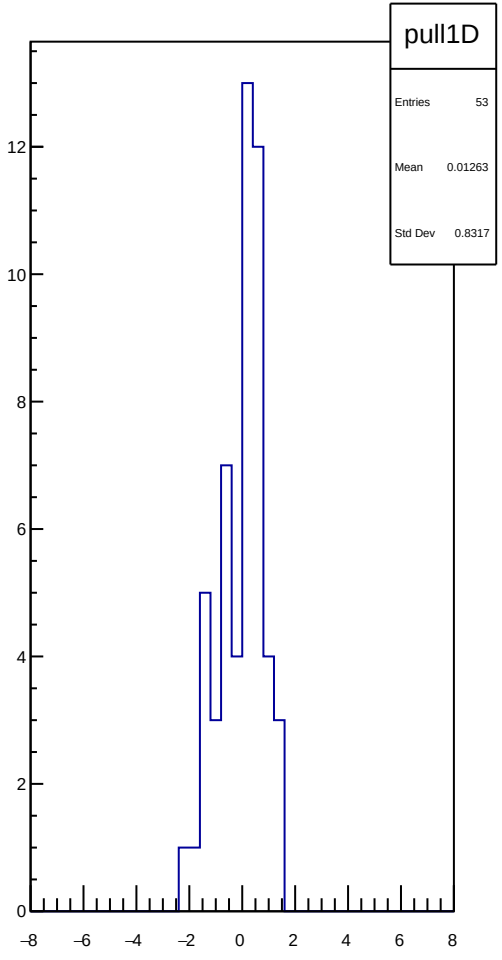

pull1D
Entries 53
Mean 0.001502
Std Dev 0.6566

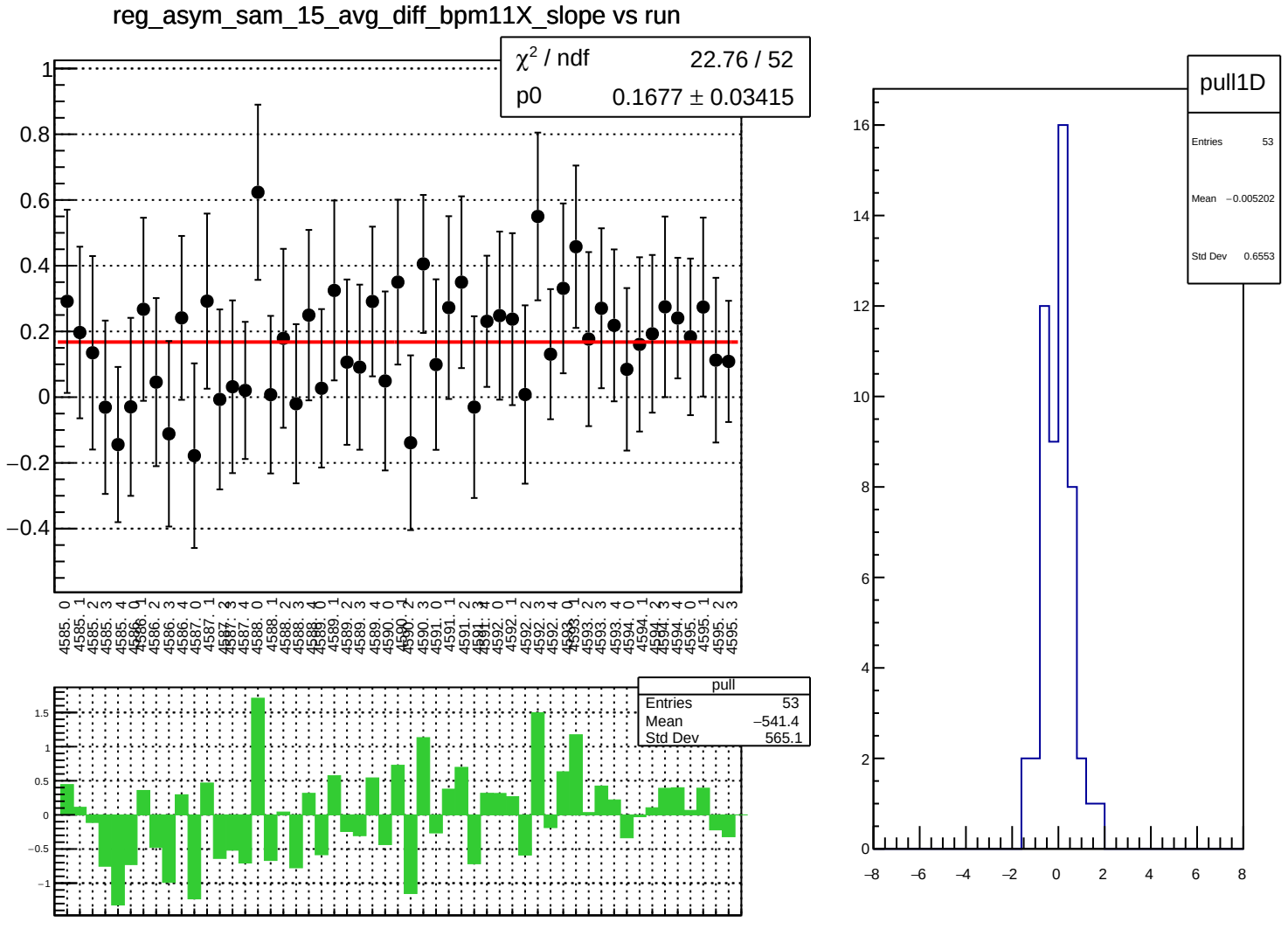

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.99 / 52
p0 10.34 ± 0.1378
pull
Entries 53
Mean −257.5
Std Dev 286.2

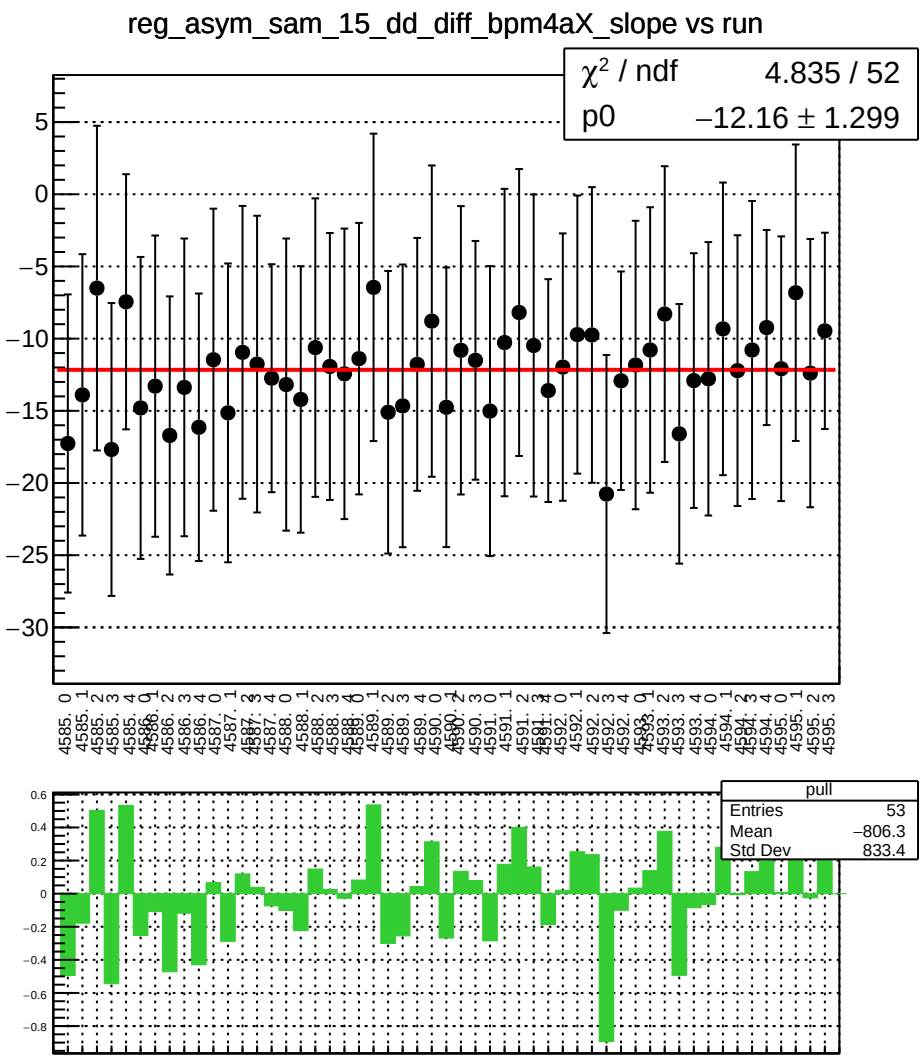

pull1D
Entries 53
Mean −0.01747
Std Dev 0.8239

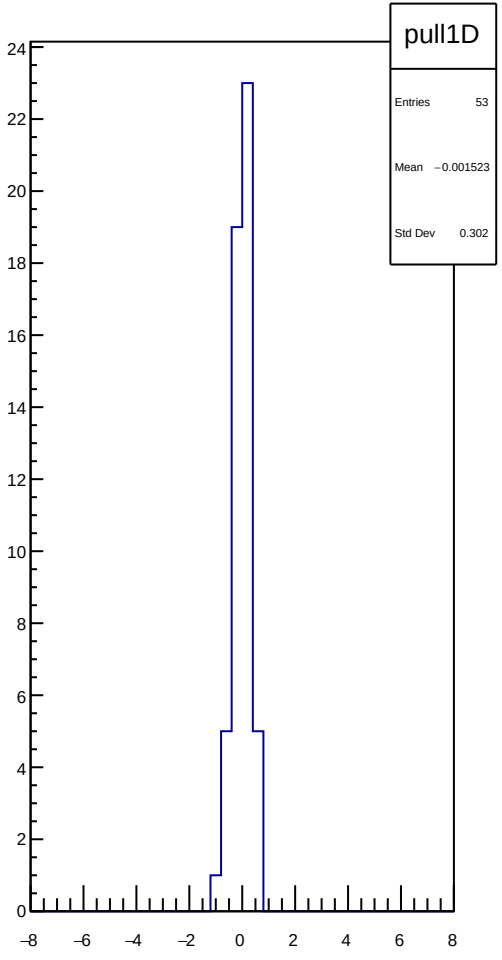

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 5091 / 52
p0 −1.958 ± 0.02142
pull
Entries 53
Mean −809
Std Dev 829.1
pull1D
Entries 53
Mean 1.637
Std Dev 3.903

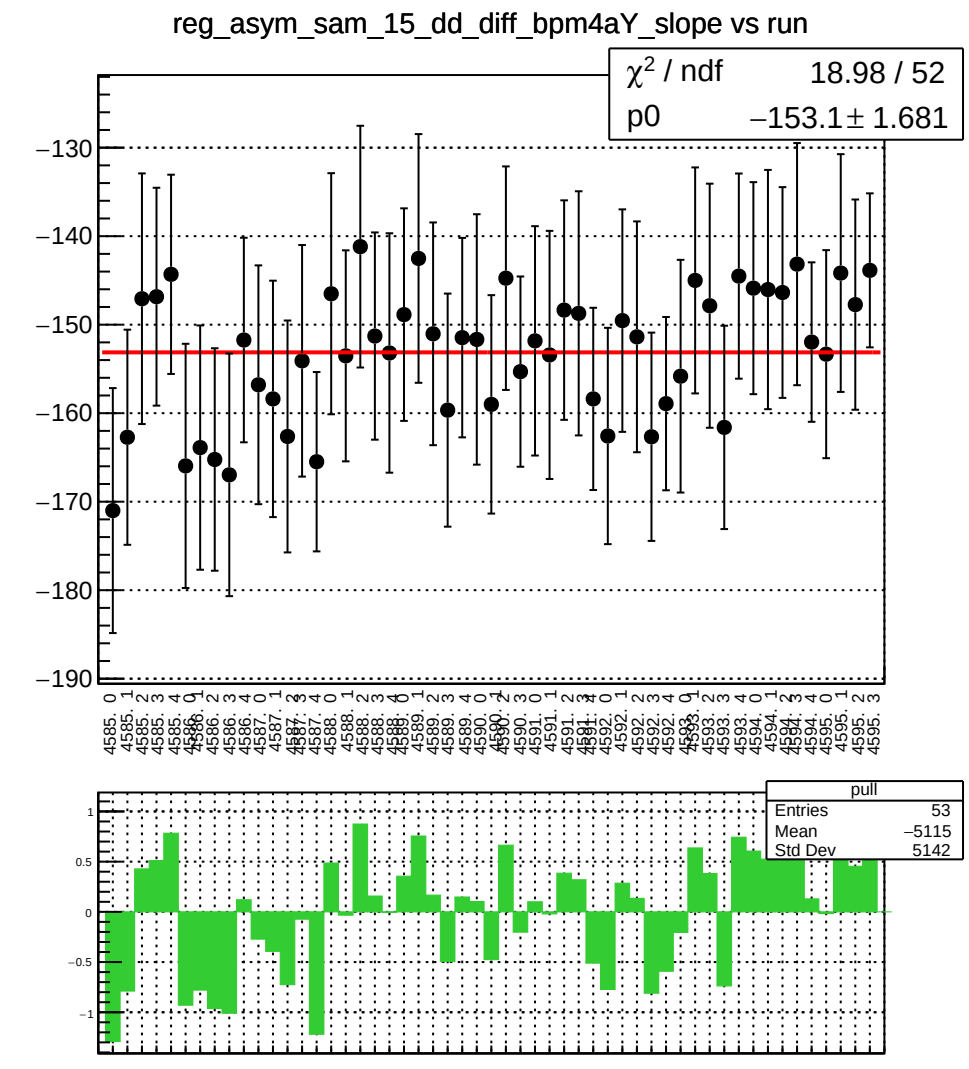

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.67 / 52
p0 1.371 ± 0.1872
pull
Entries 53
Mean 69.24
Std Dev 79.25

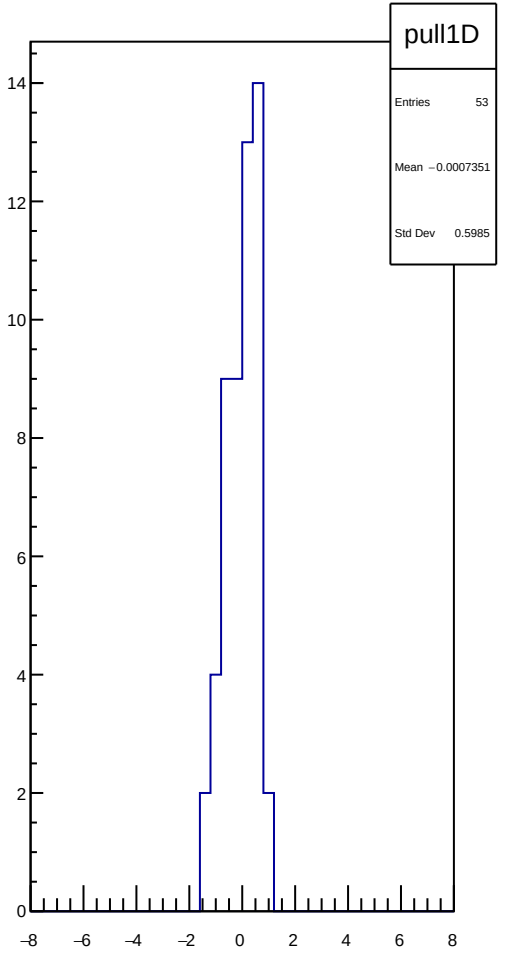

pull1D
Entries 53
Mean 0.01263
Std Dev 0.8317

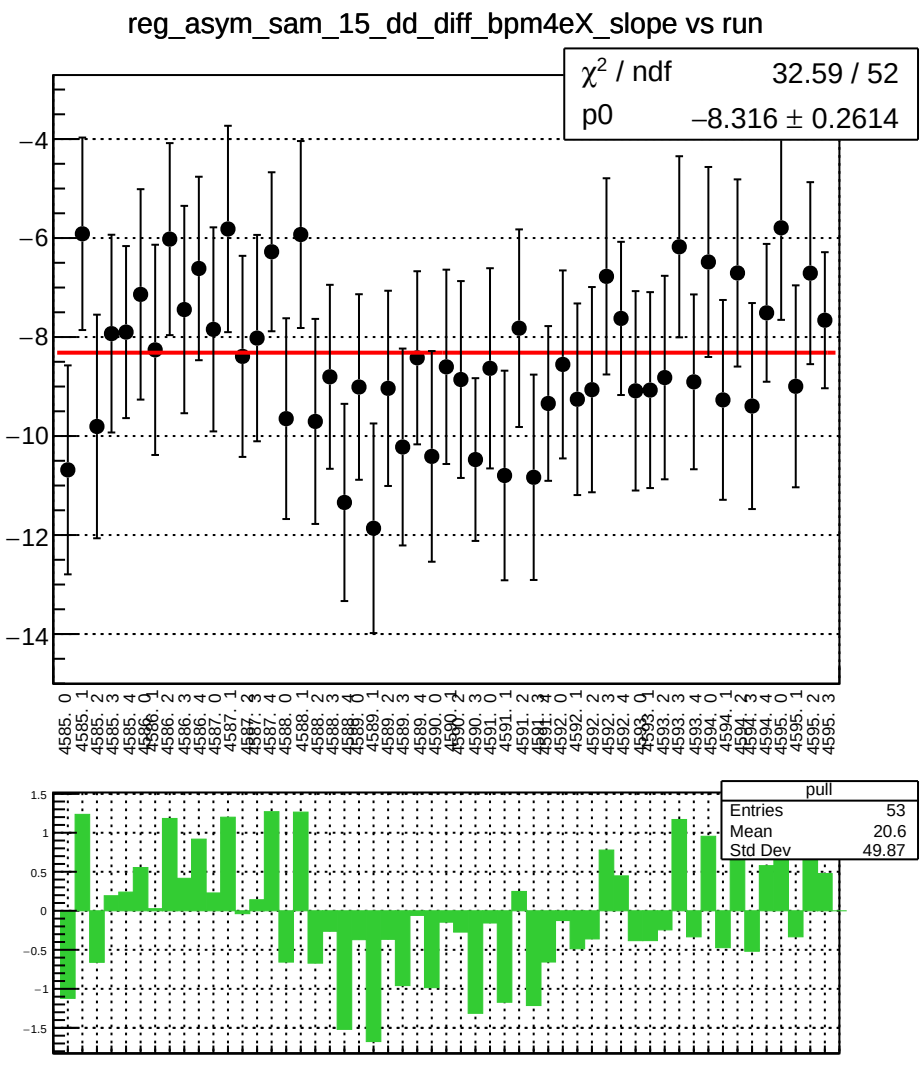

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 22.76 / 52
p0 0.1677 ± 0.03415
pull
Entries 53
Mean −541.4
Std Dev 565.1
pull1D
Entries 53
Mean −0.005202
Std Dev 0.6553

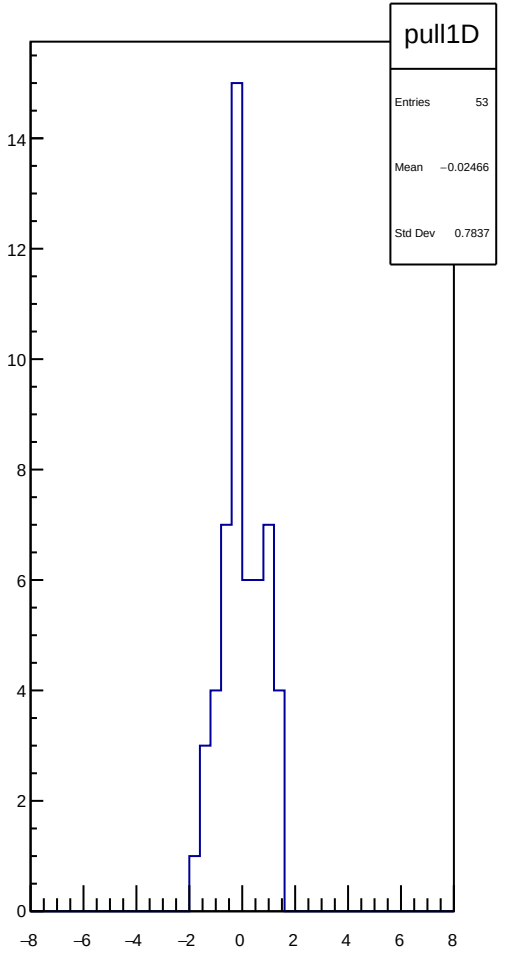

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.835 / 52
p0 −12.16 ± 1.299
pull
Entries 53
Mean −806.3
Std Dev 833.4

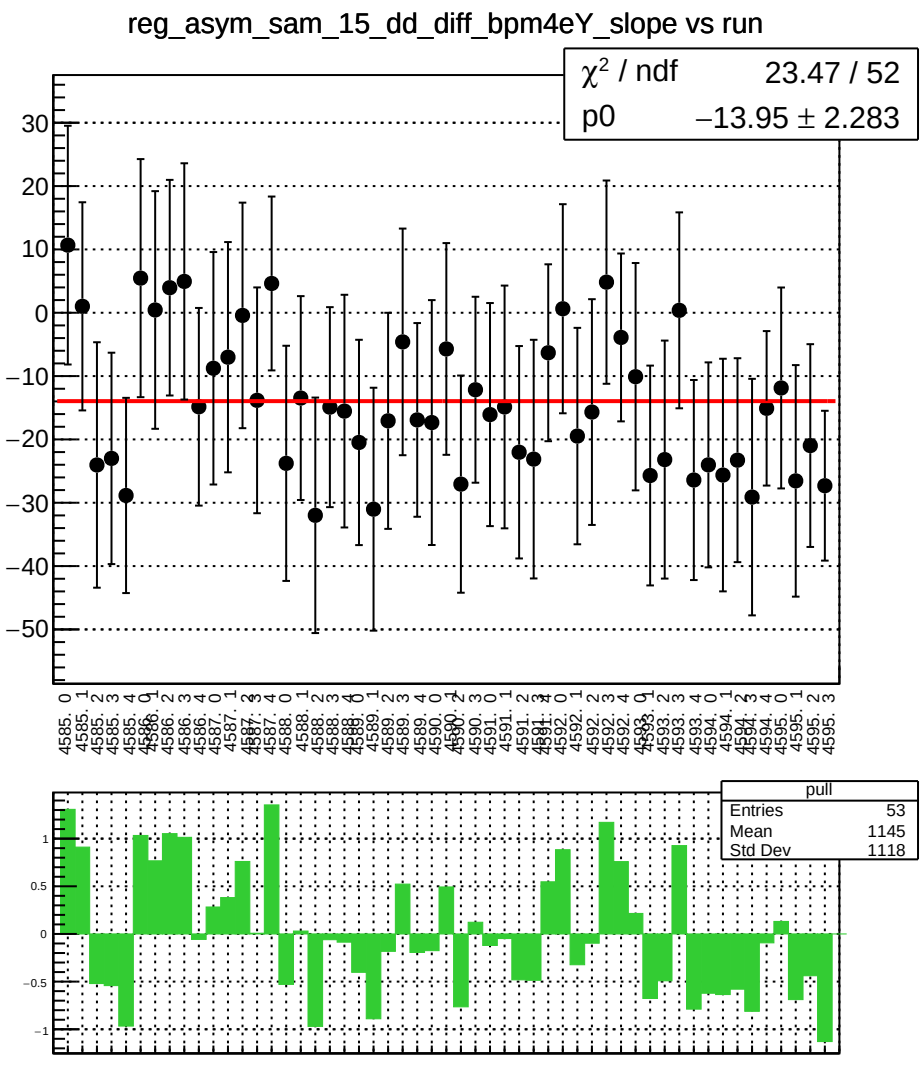

pull1D
Entries 53
Mean −0.001523
Std Dev 0.302

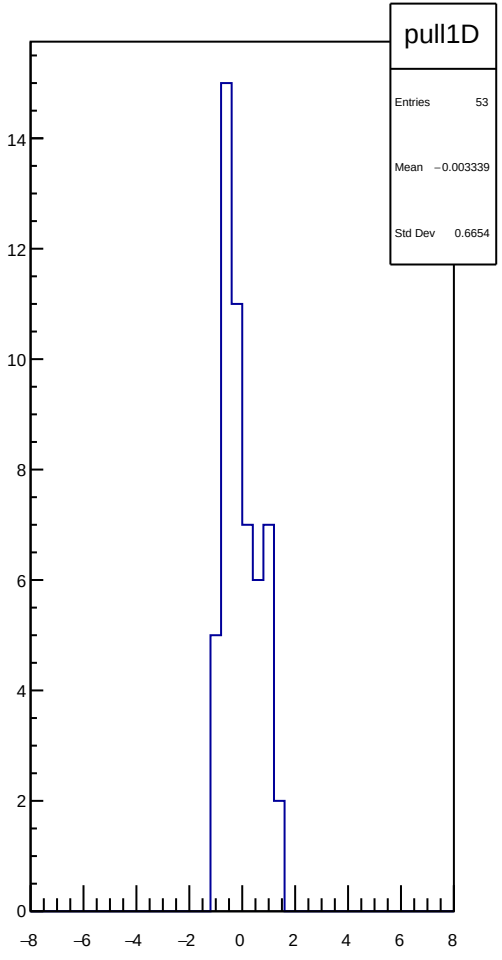

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.98 / 52
p0 −153.1 ± 1.681
pull
Entries 53
Mean −5115
Std Dev 5142

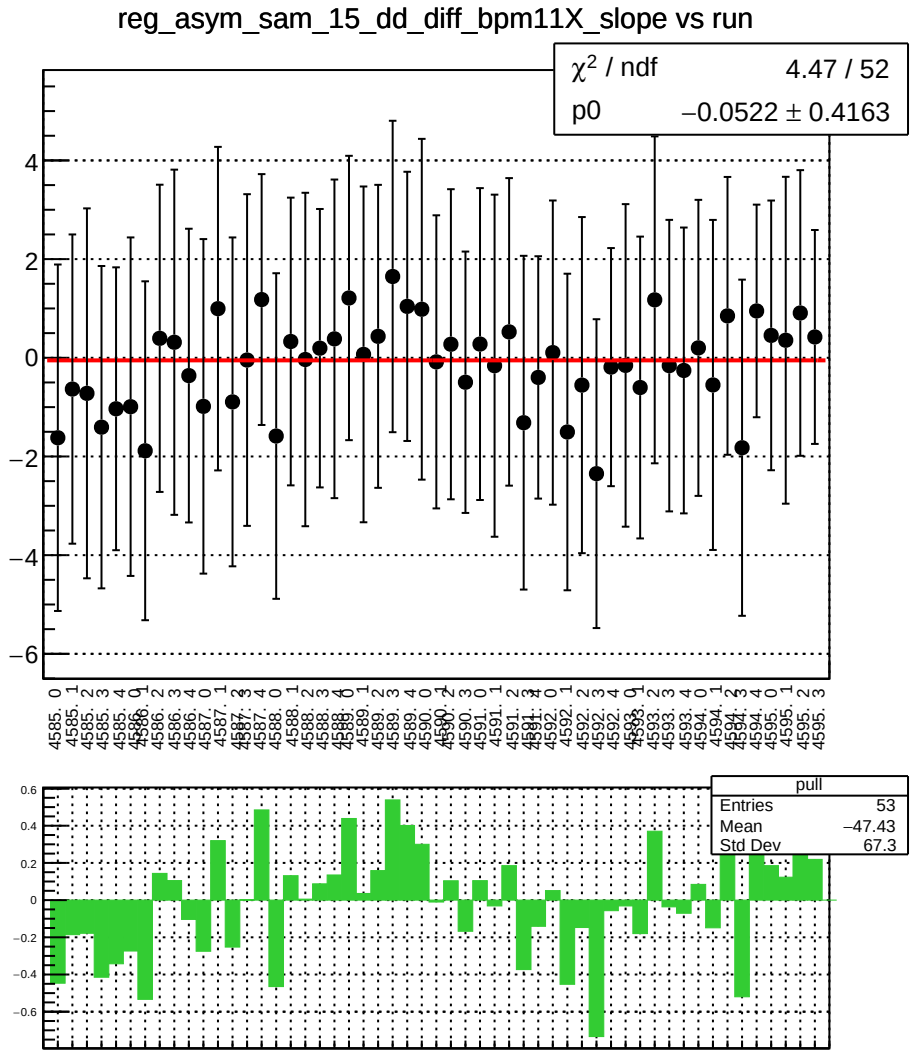

pull1D
Entries 53
Mean −0.0007351
Std Dev 0.5985

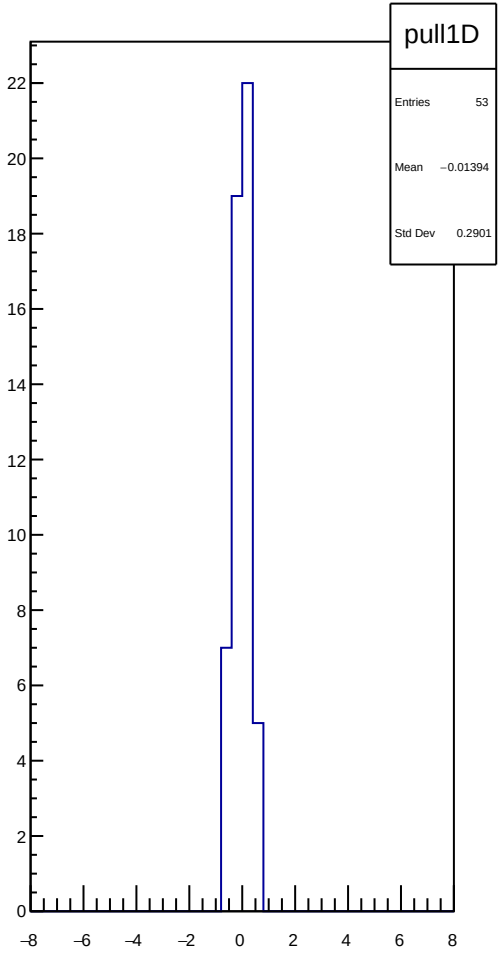

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.59 / 52
p0 −8.316 ± 0.2614
pull
Entries 53
Mean 20.6
Std Dev 49.87

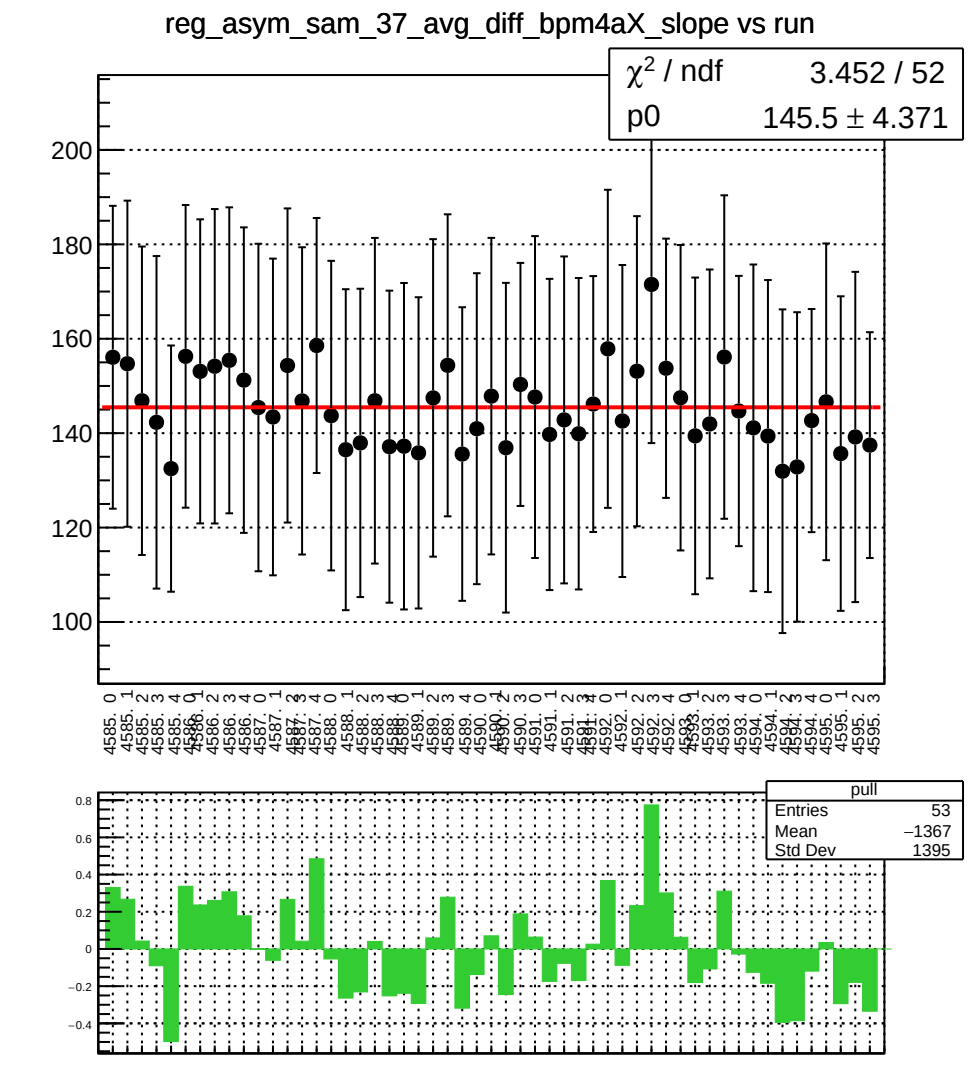

pull1D
Entries 53
Mean −0.02466
Std Dev 0.7837

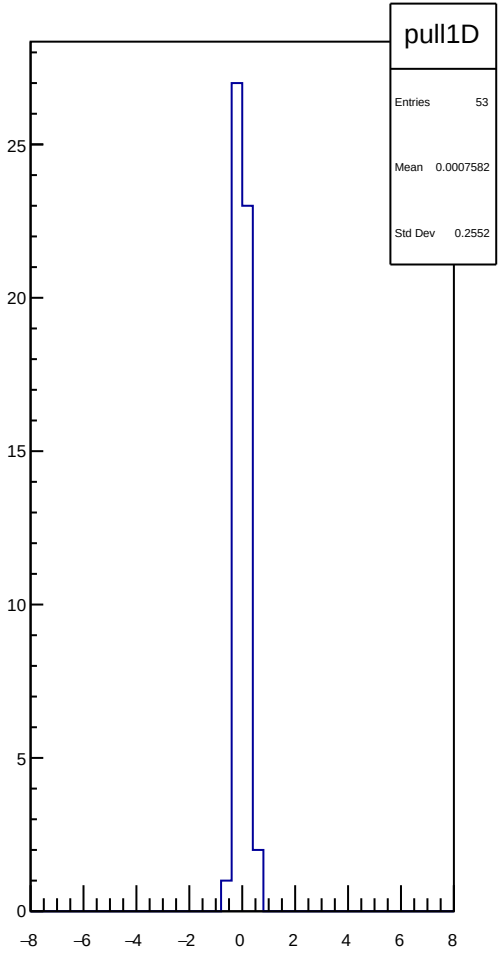

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.47 / 52
p0 −13.95 ± 2.283
pull
Entries 53
Mean 1145
Std Dev 1118

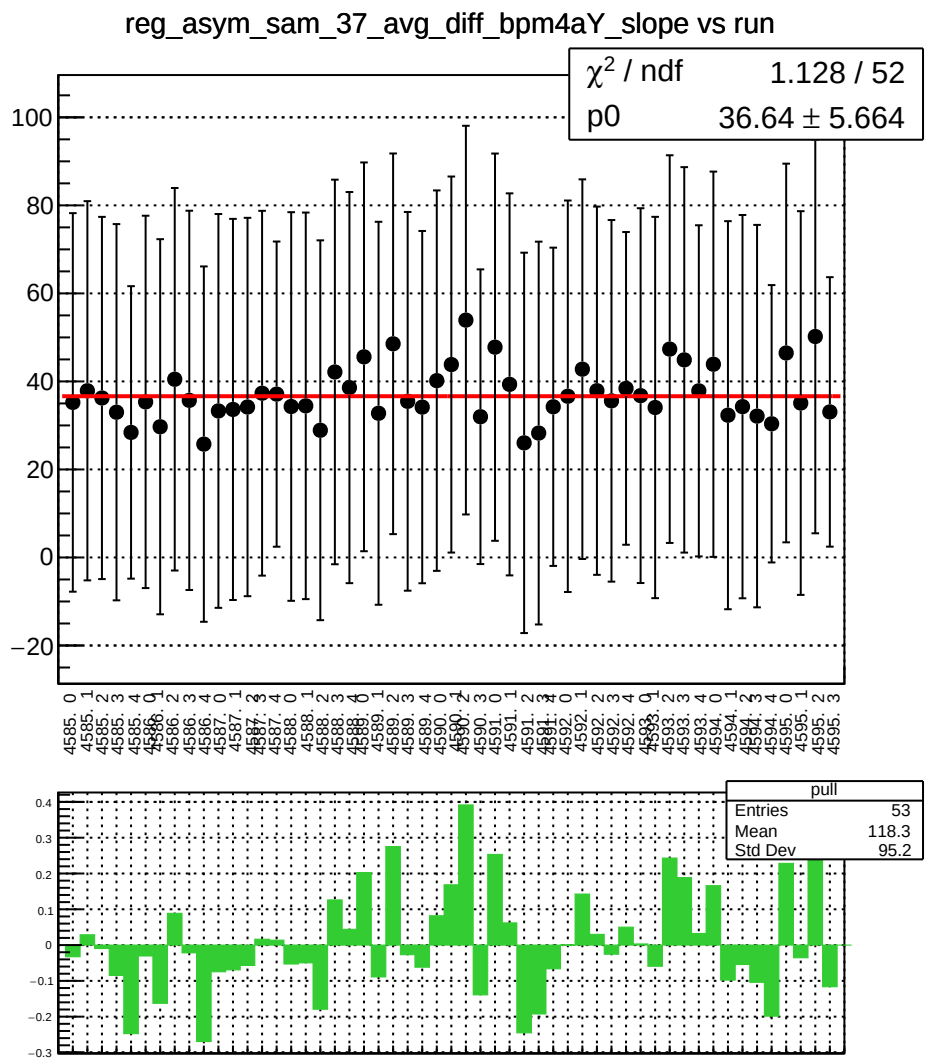

pull1D
Entries 53
Mean −0.003339
Std Dev 0.6654

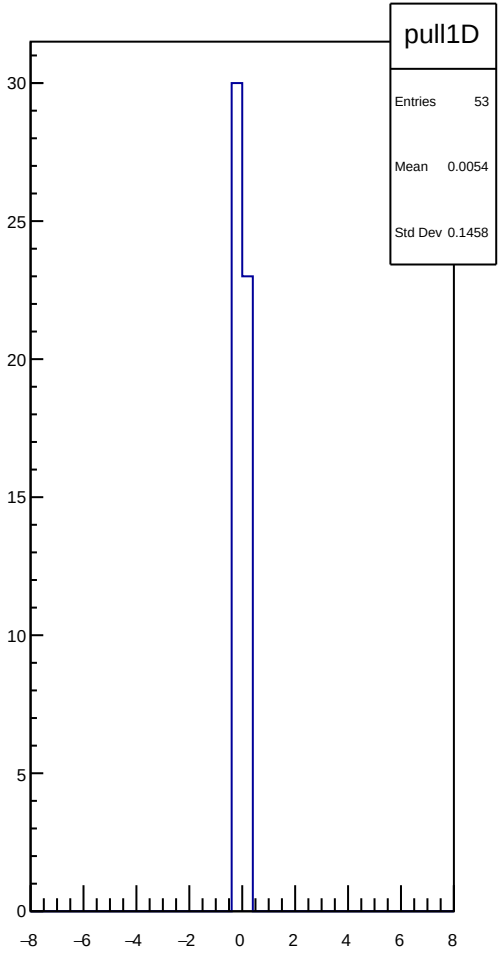

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 4.47 / 52
p0 −0.0522 ± 0.4163
pull
Entries 53
Mean −47.43
Std Dev 67.3

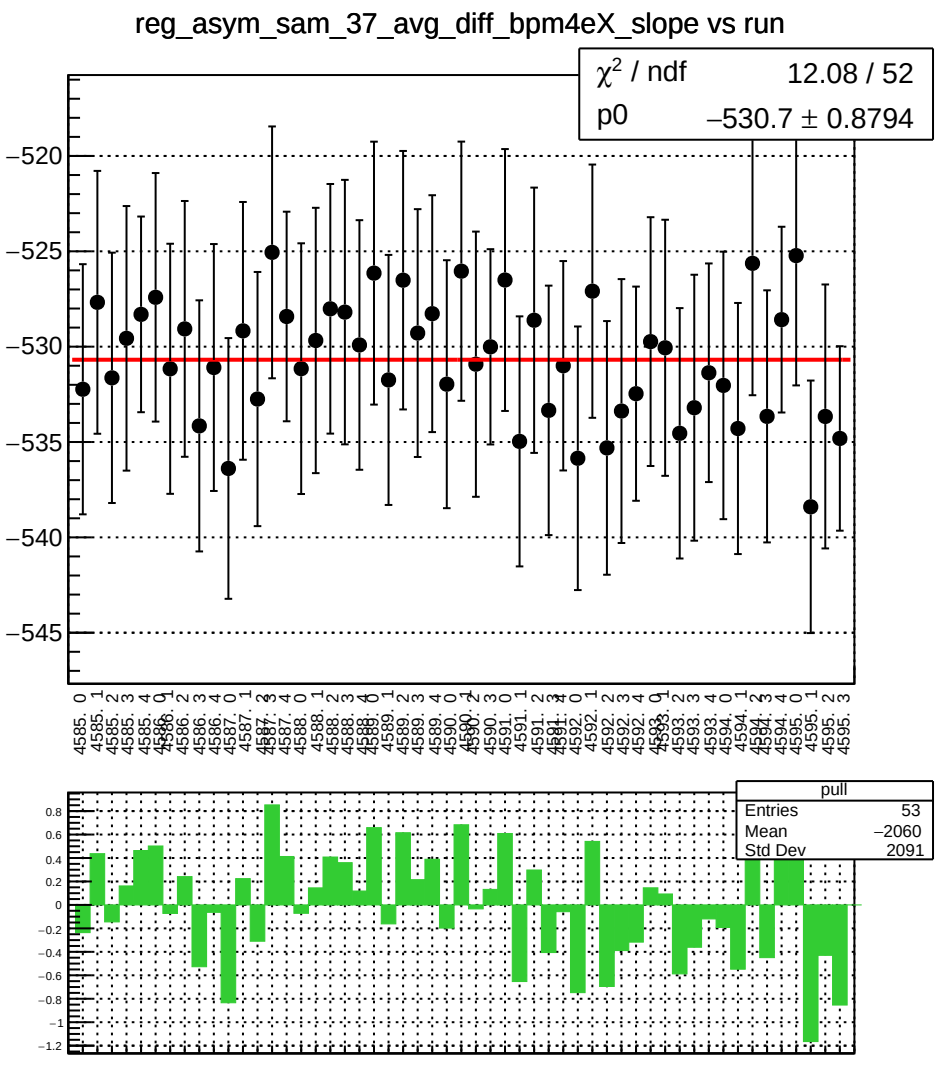

pull1D
Entries 53
Mean −0.01394
Std Dev 0.2901

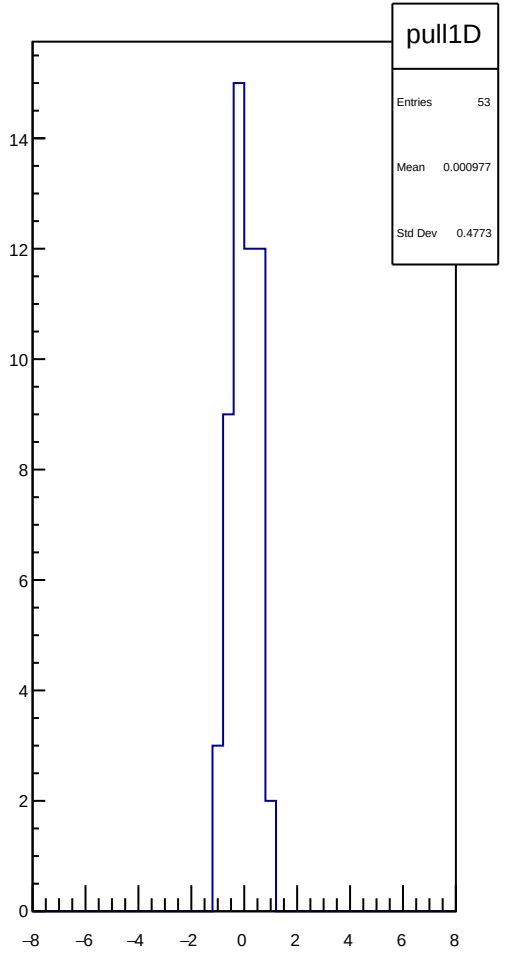

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.452 / 52
p0 145.5 ± 4.371
200
180
160
140
120
100
pull
Entries 53
Mean −1367
Std Dev 1395
0.8
0.6
0.4
0.2
0
−0.2
−0.4

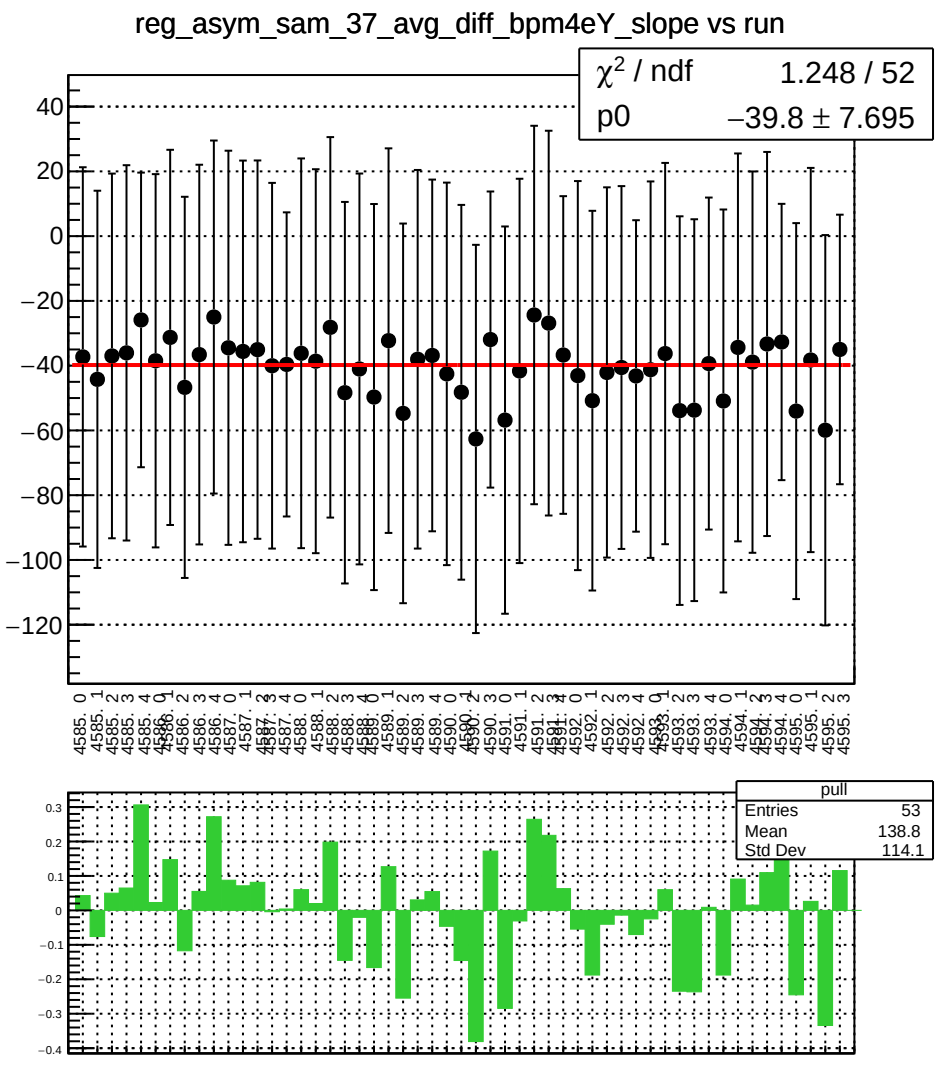

pull1D
Entries 53
Mean 0.0007582
Std Dev 0.2552
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

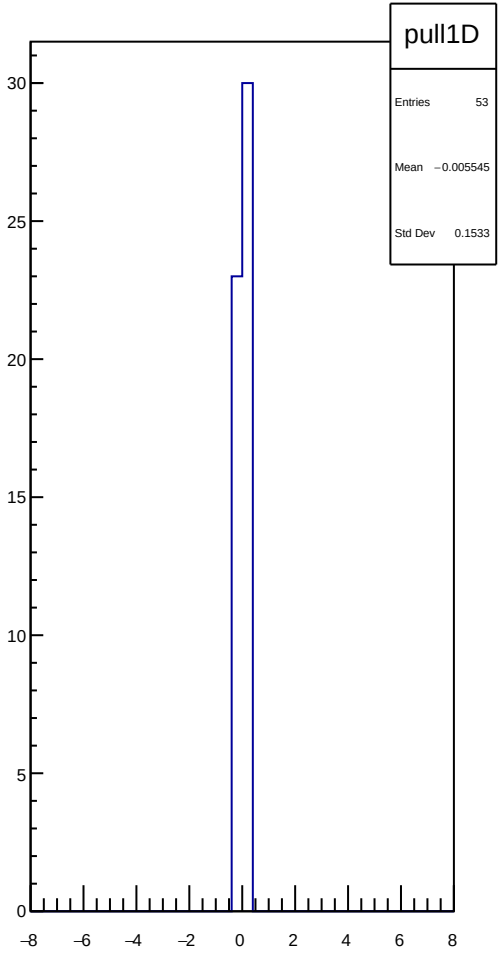

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.128 / 52
p0 36.64 ± 5.664
pull
Entries 53
Mean 118.3
Std Dev 95.2

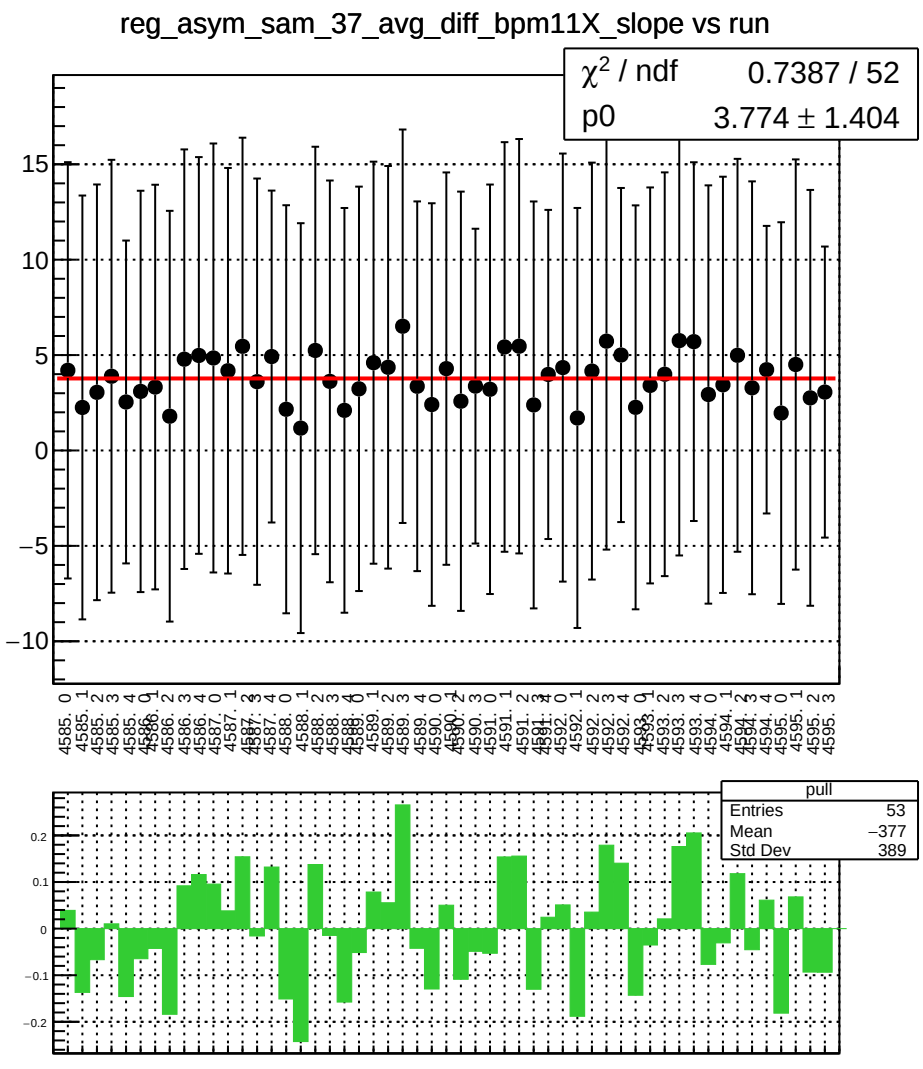

pull1D
Entries 53
Mean 0.0054
Std Dev 0.1458

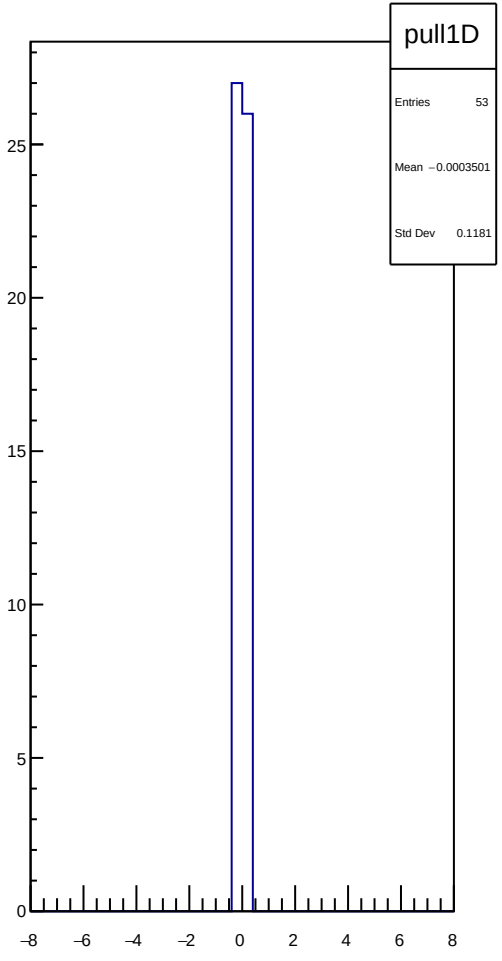

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.08 / 52
p0 −530.7 ± 0.8794
pull
Entries 53
Mean −2060
Std Dev 2091

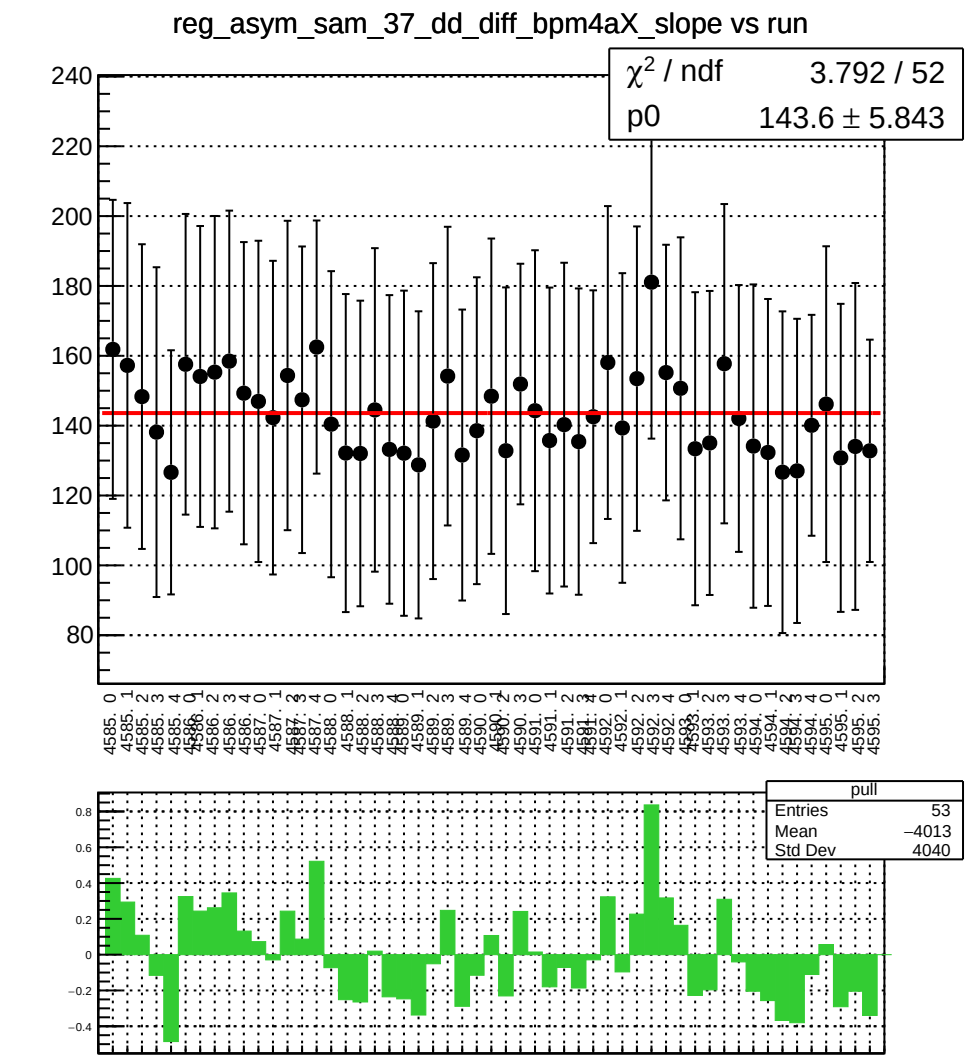

pull1D
Entries 53
Mean 0.000977
Std Dev 0.4773

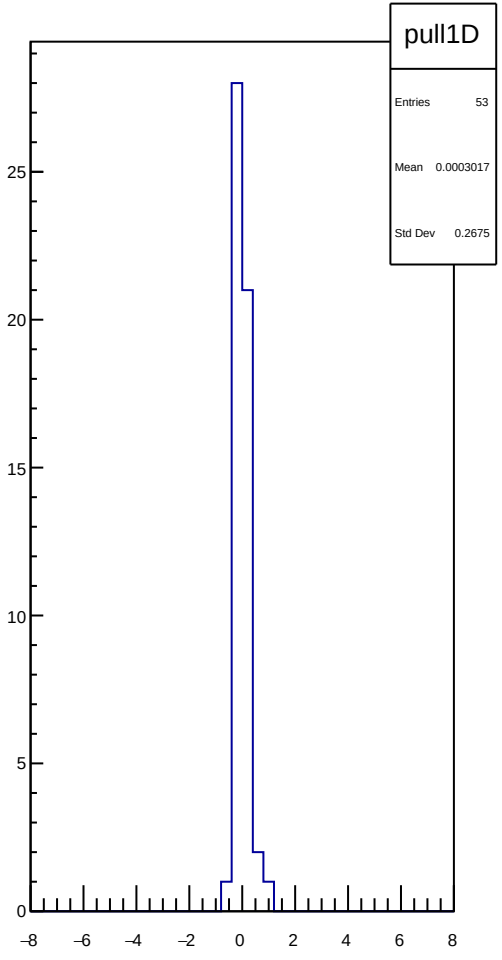

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.248 / 52
p0 −39.8 ± 7.695
pull
Entries 53
Mean 138.8
Std Dev 114.1

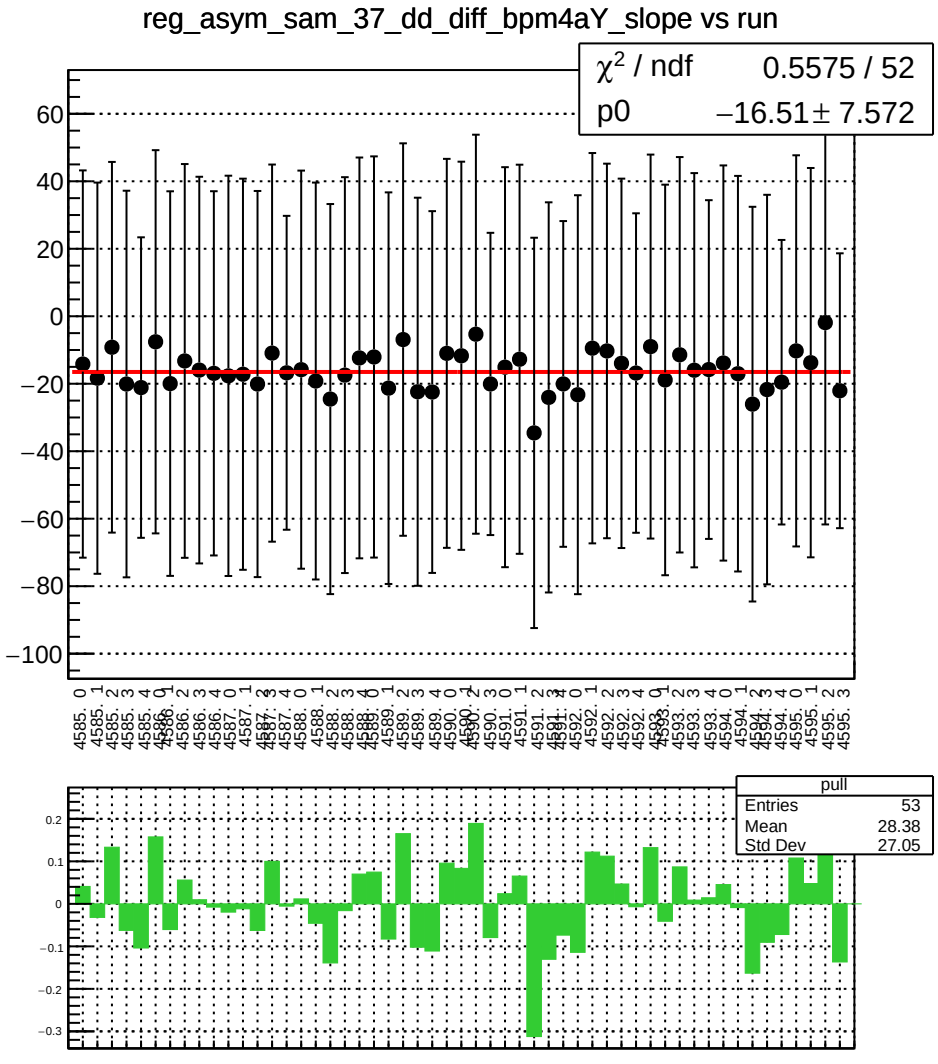

pull1D
Entries 53
Mean −0.005545
Std Dev 0.1533

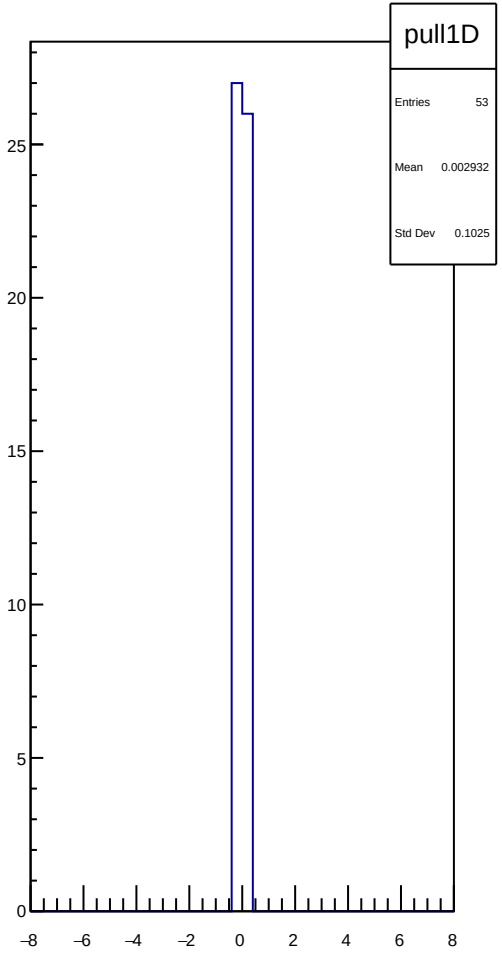

reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 0.7387 / 52
p0 3.774 ± 1.404
pull
Entries 53
Mean −377
Std Dev 389

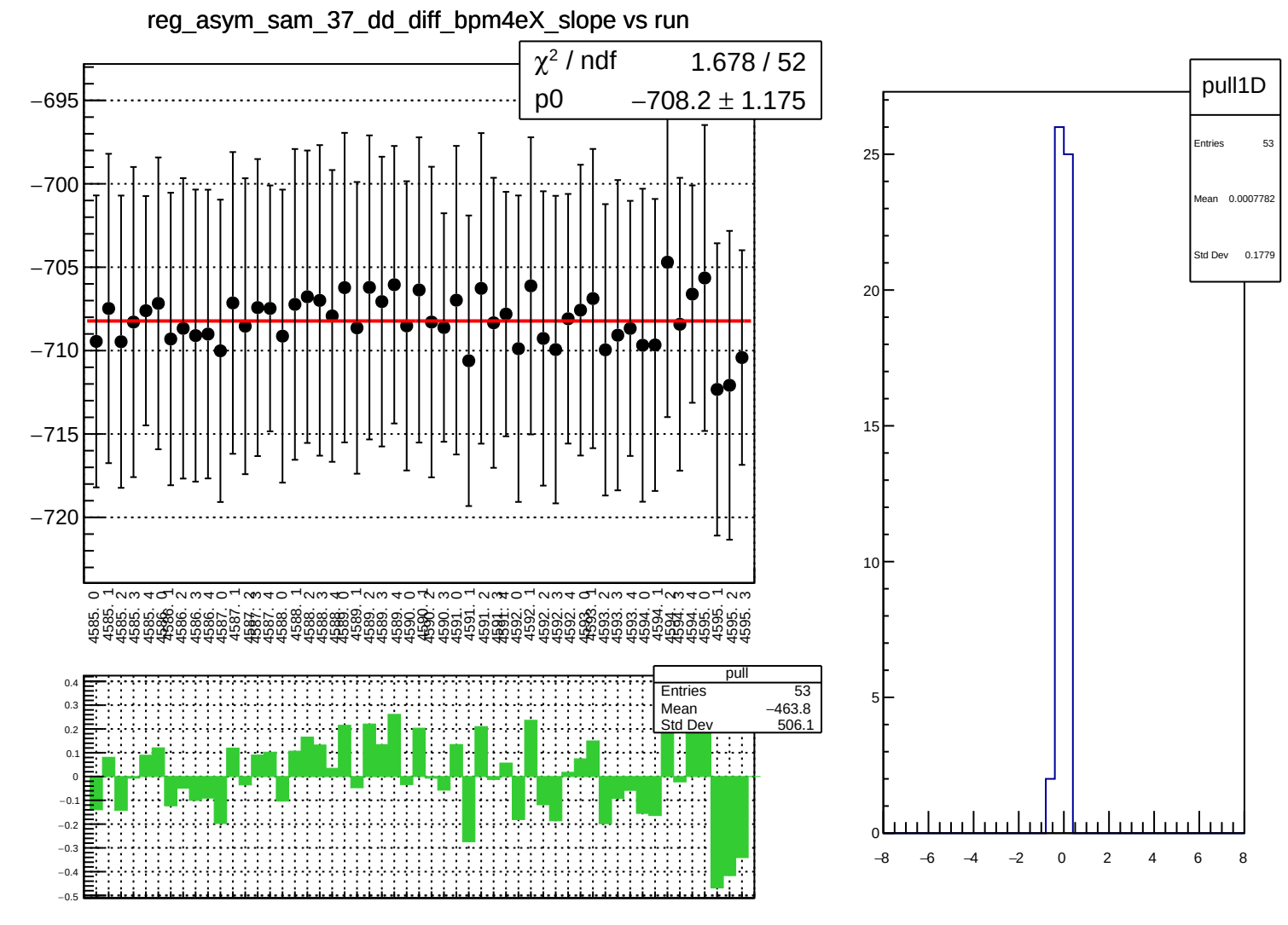

pull1D
Entries 53
Mean −0.0003501
Std Dev 0.1181

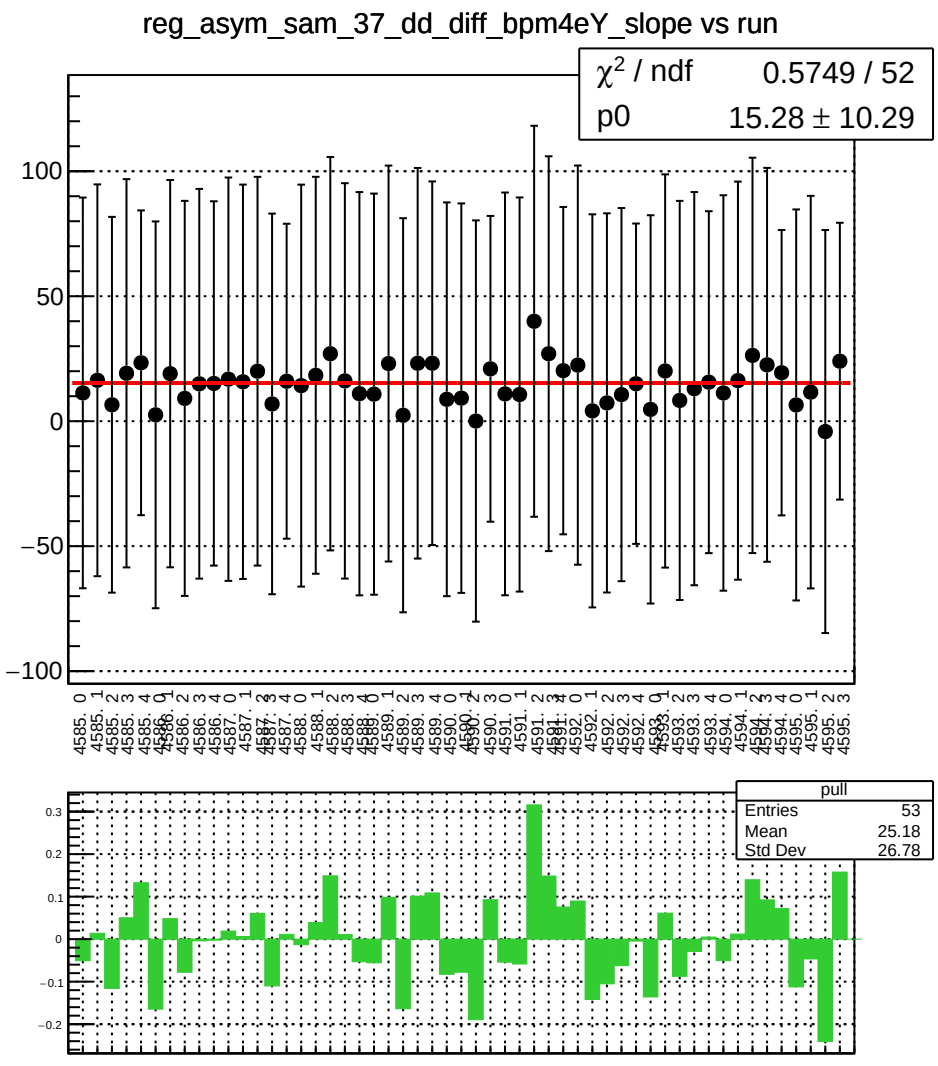

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.792 / 52
p0 143.6 ± 5.843
pull
Entries 53
Mean −4013
Std Dev 4040

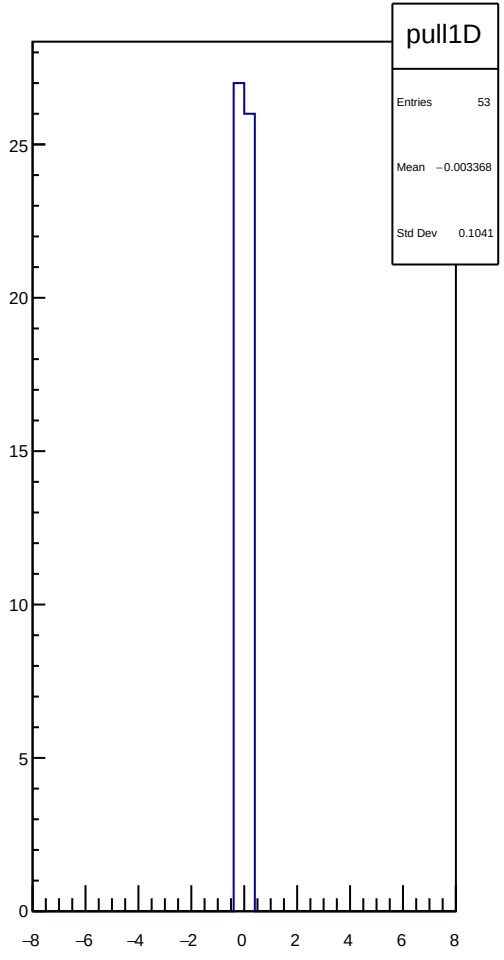

pull1D
Entries 53
Mean 0.0003017
Std Dev 0.2675

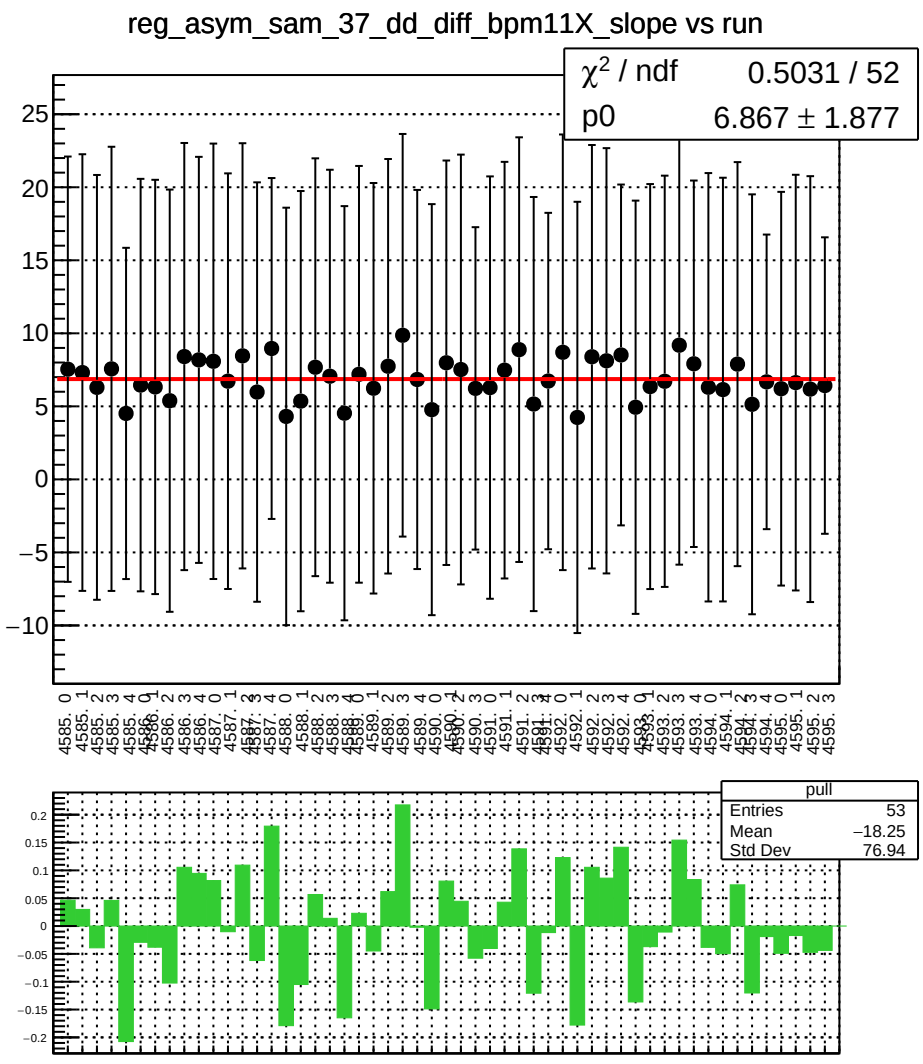

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.5575 / 52
p0 −16.51± 7.572
pull
Entries 53
Mean 28.38
Std Dev 27.05

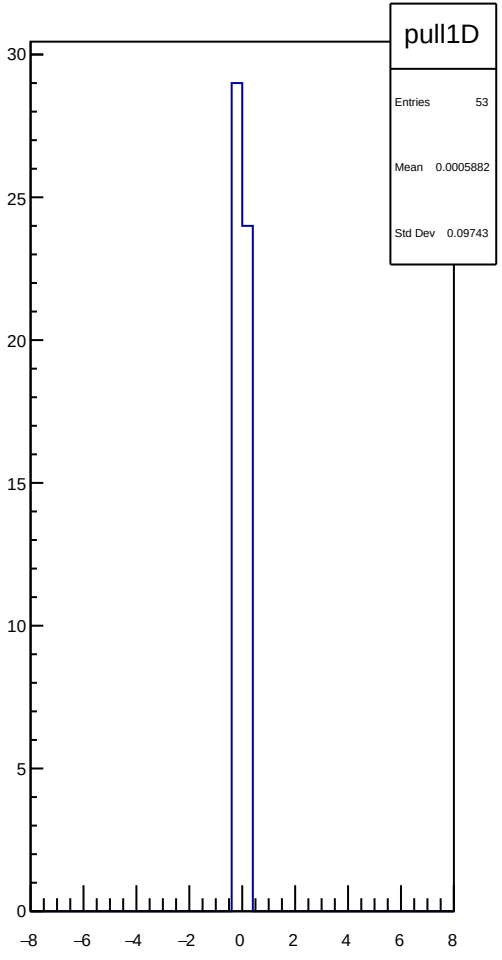

pull1D
Entries 53
Mean 0.002932
Std Dev 0.1025

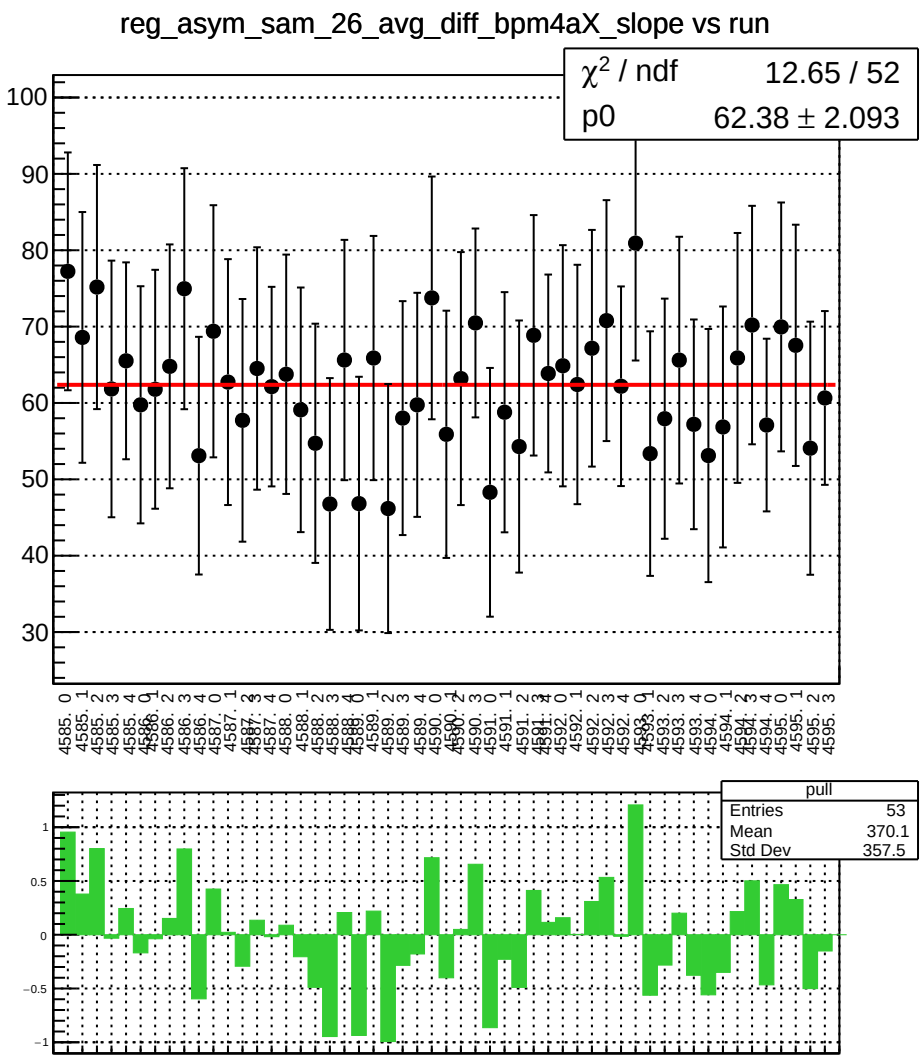

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.678 / 52
p0 −708.2 ± 1.175
−695
−700
−705
−710
−715
−720
pull
Entries 53
Mean −463.8
Std Dev 506.1
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 53
Mean 0.0007782
Std Dev 0.1779
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

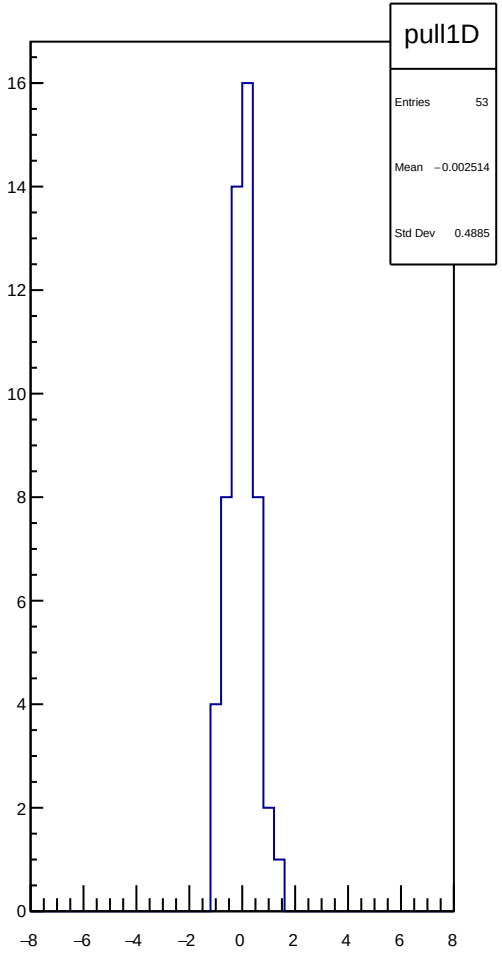

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.5749 / 52
p0 15.28 ± 10.29
100
50
0
−50
−100
pull
Entries 53
Mean 25.18
Std Dev 26.78
0.3
0.2
0.1
0
−0.1
−0.2

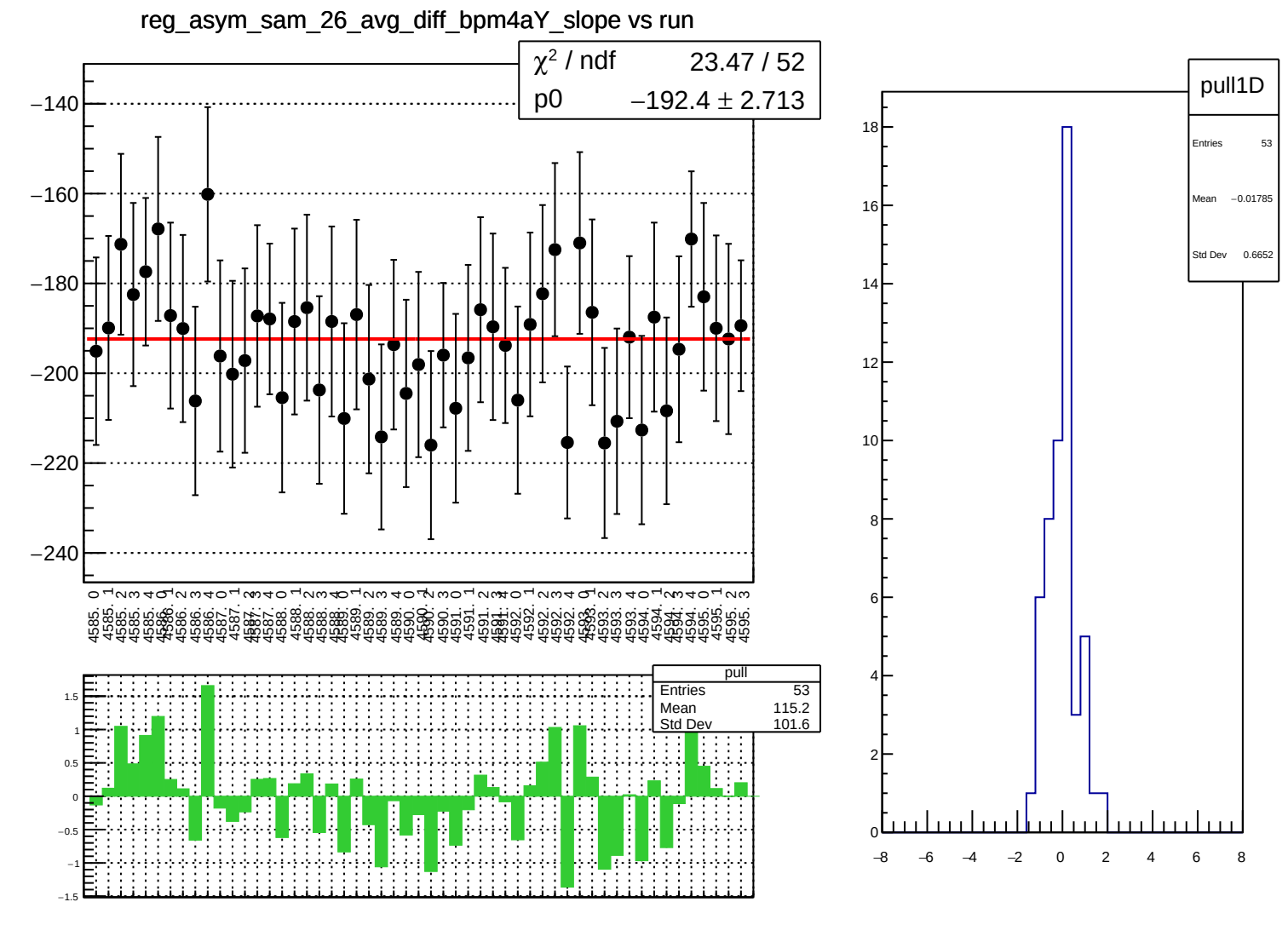

pull1D
Entries 53
Mean −0.003368
Std Dev 0.1041
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

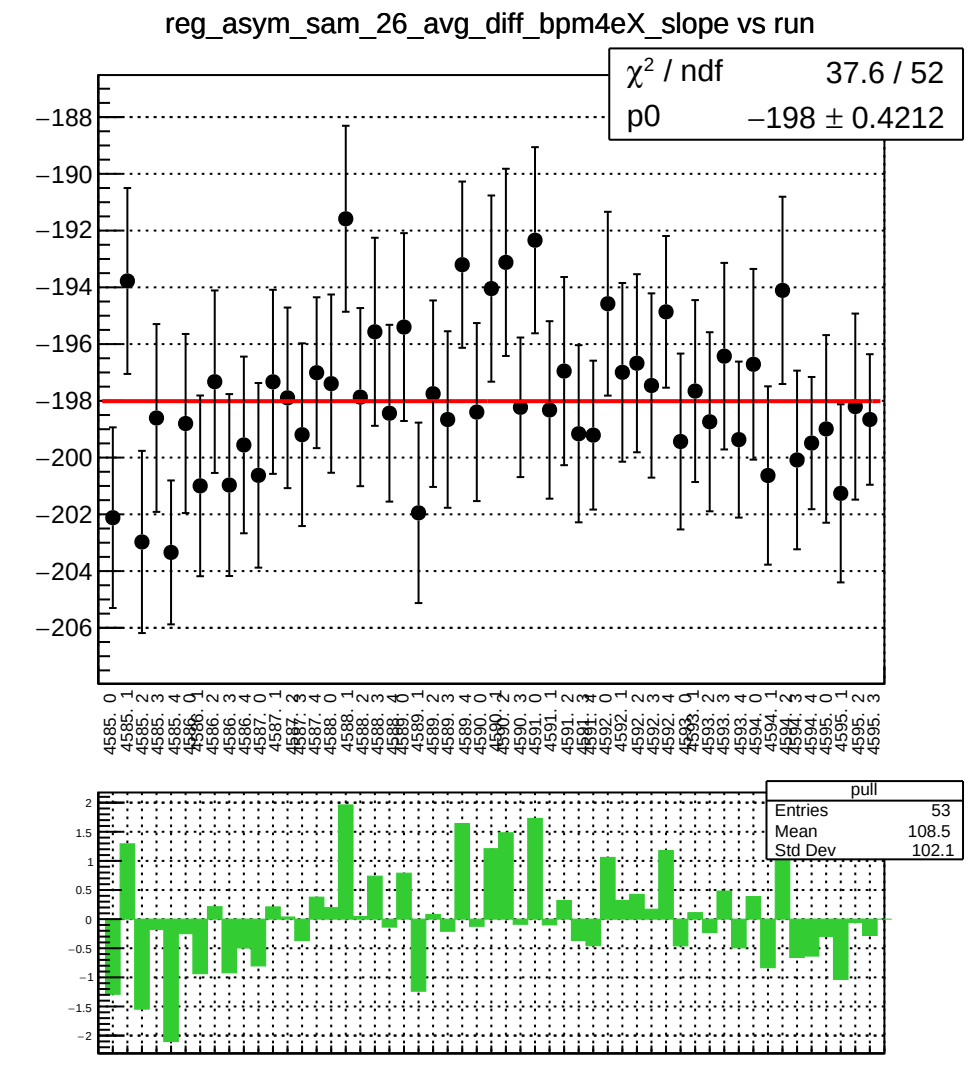

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 0.5031 / 52
p0 6.867 ± 1.877
pull
Entries 53
Mean −18.25
Std Dev 76.94

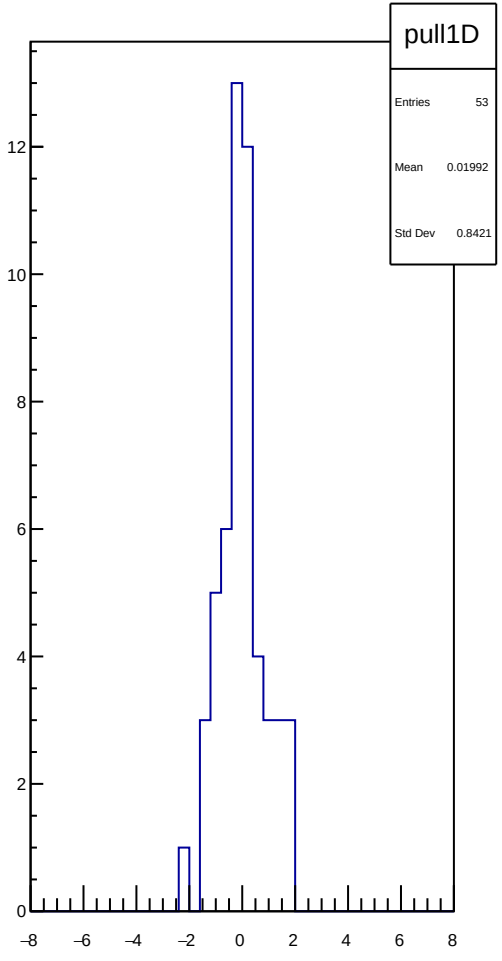

pull1D
Entries 53
Mean 0.0005882
Std Dev 0.09743

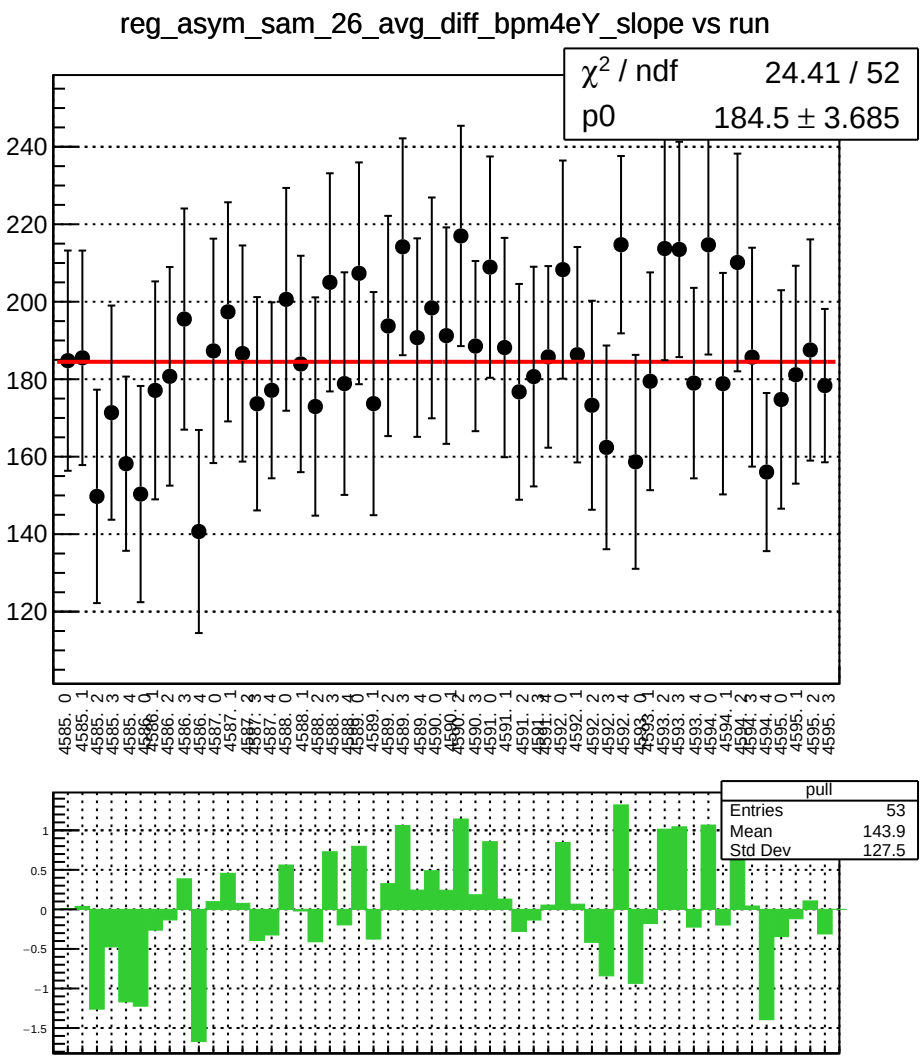

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 12.65 / 52
p0 62.38 ± 2.093
pull
Entries 53
Mean 370.1
Std Dev 357.5

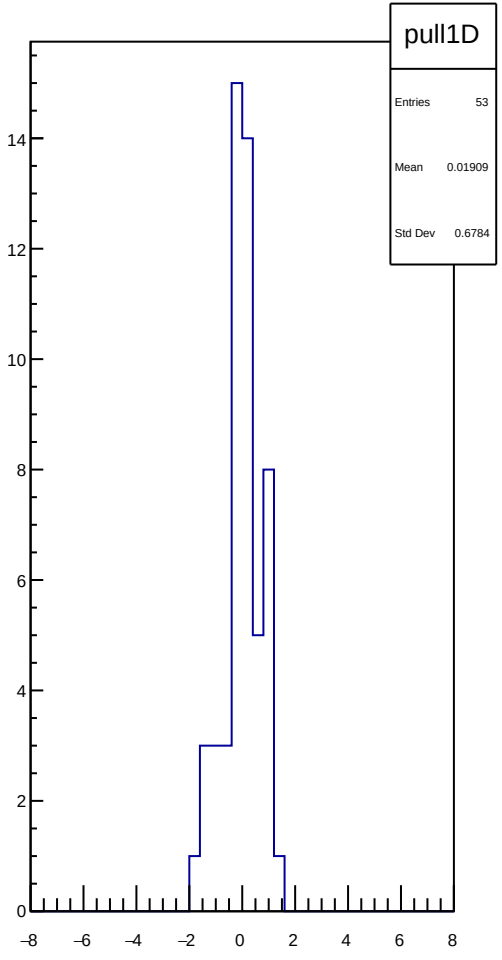

pull1D
Entries 53
Mean −0.002514
Std Dev 0.4885

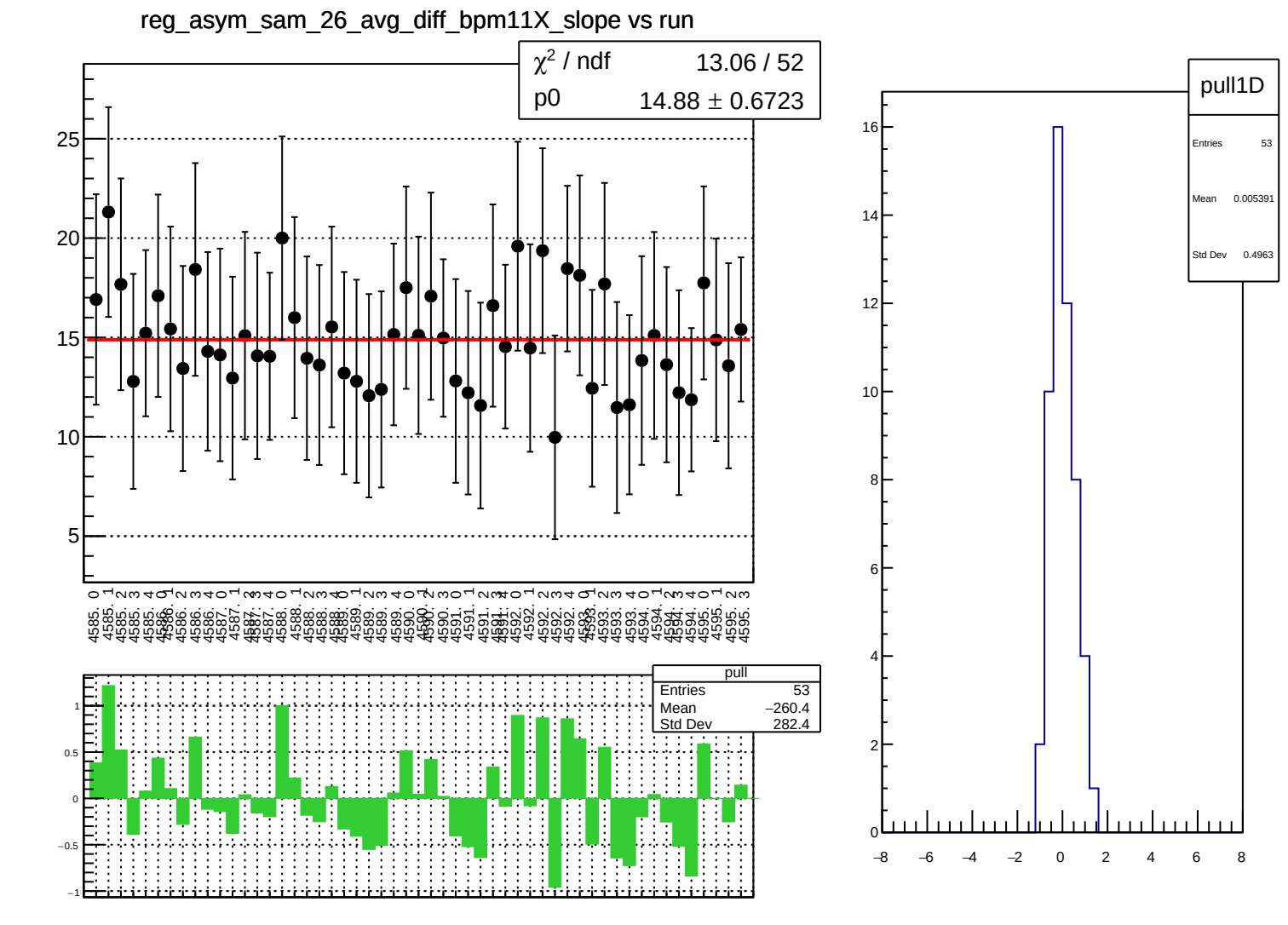

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.47 / 52
p0 −192.4 ± 2.713
pull
Entries 53
Mean 115.2
Std Dev 101.6
pull1D
Entries 53
Mean −0.01785
Std Dev 0.6652

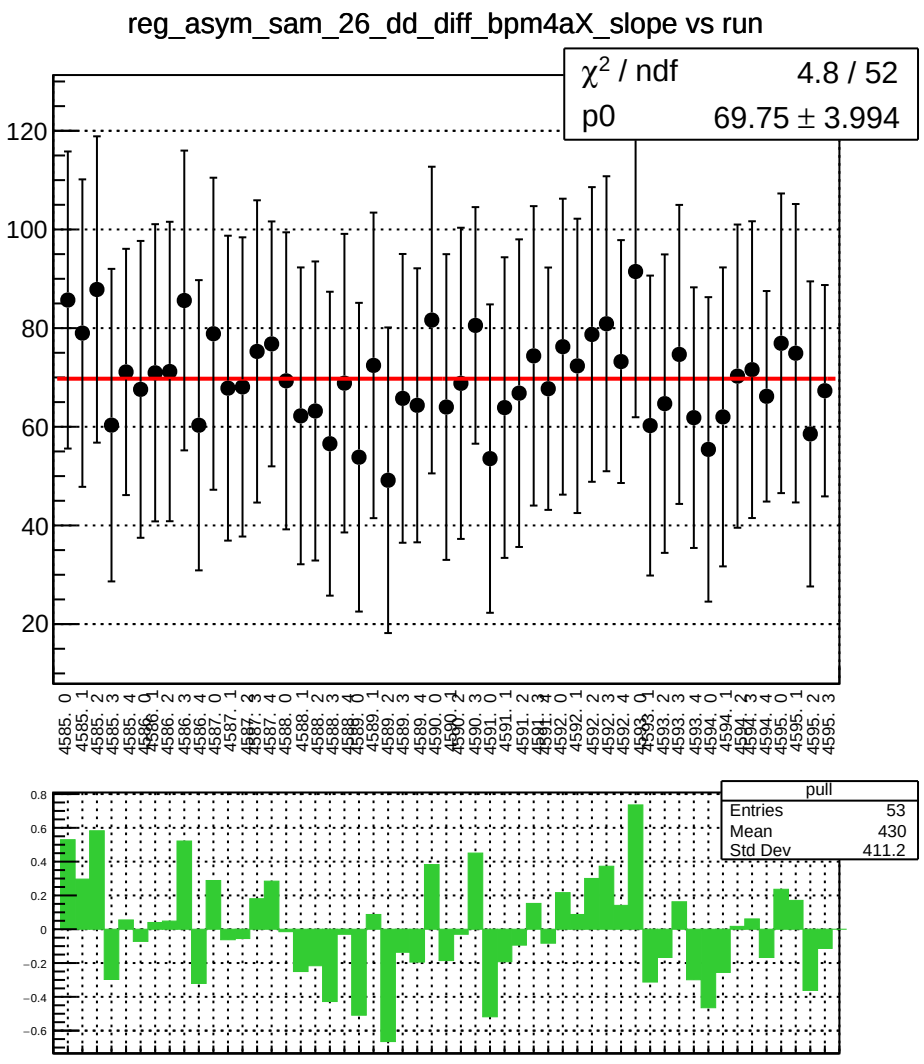

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.6 / 52
p0 −198 ± 0.4212
pull
Entries 53
Mean 108.5
Std Dev 102.1

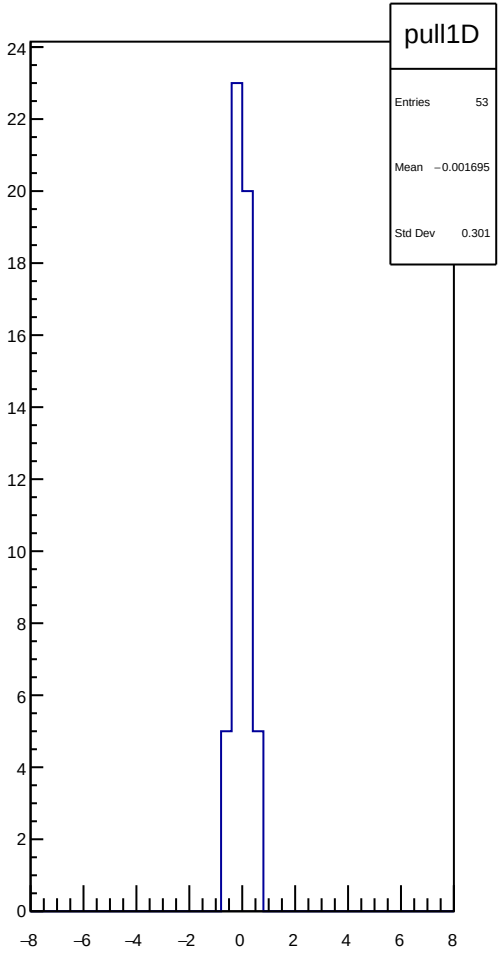

pull1D
Entries 53
Mean 0.01992
Std Dev 0.8421

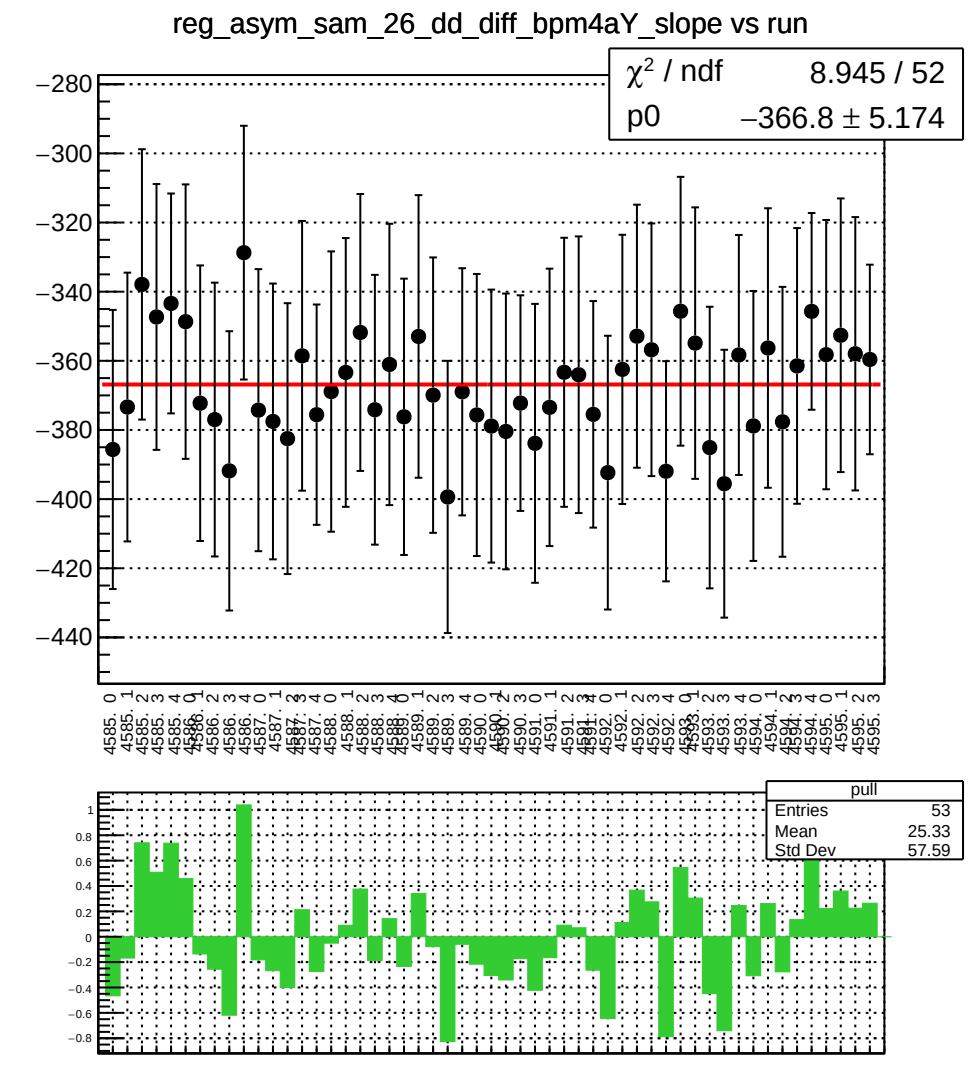

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.41 / 52
p0 184.5 ± 3.685
240
220
200
180
160
140
120
pull
Entries 53
Mean 143.9
Std Dev 127.5
1
0.5
0
−0.5
−1
−1.5

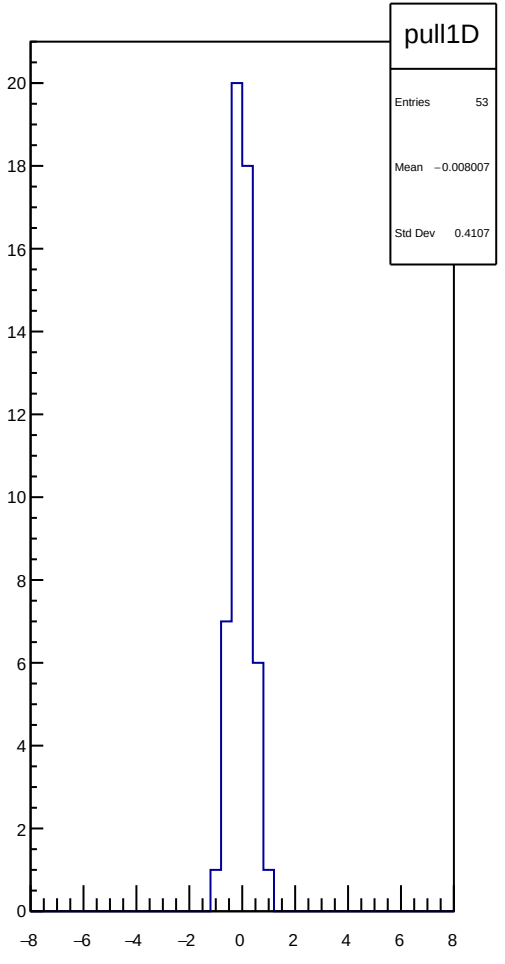

pull1D
Entries 53
Mean 0.01909
Std Dev 0.6784
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

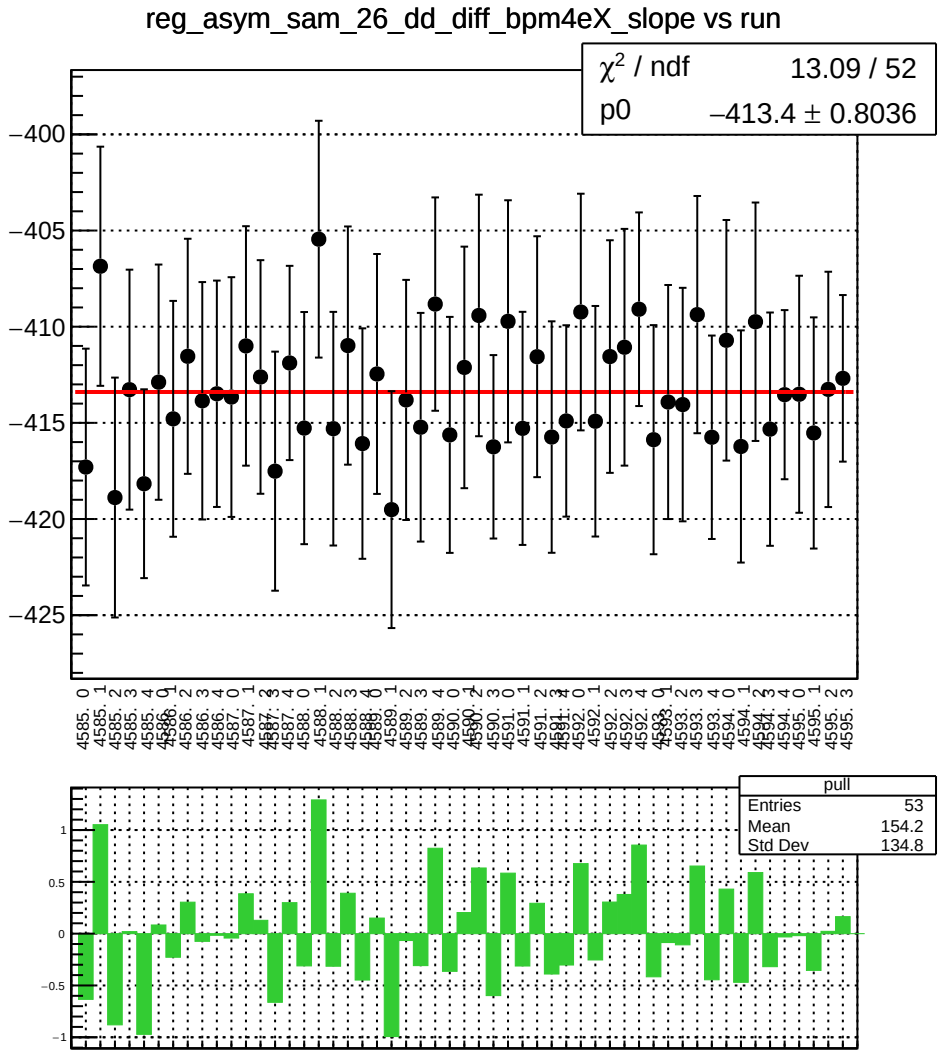

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 13.06 / 52
p0 14.88 ± 0.6723
pull
Entries 53
Mean −260.4
Std Dev 282.4
pull1D
Entries 53
Mean 0.005391
Std Dev 0.4963

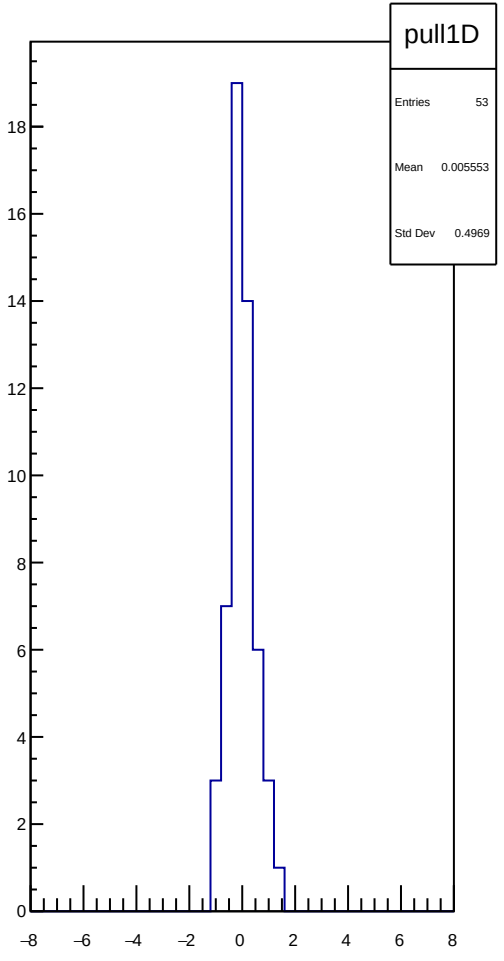

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.8 / 52
p0 69.75 ± 3.994
pull
Entries 53
Mean 430
Std Dev 411.2

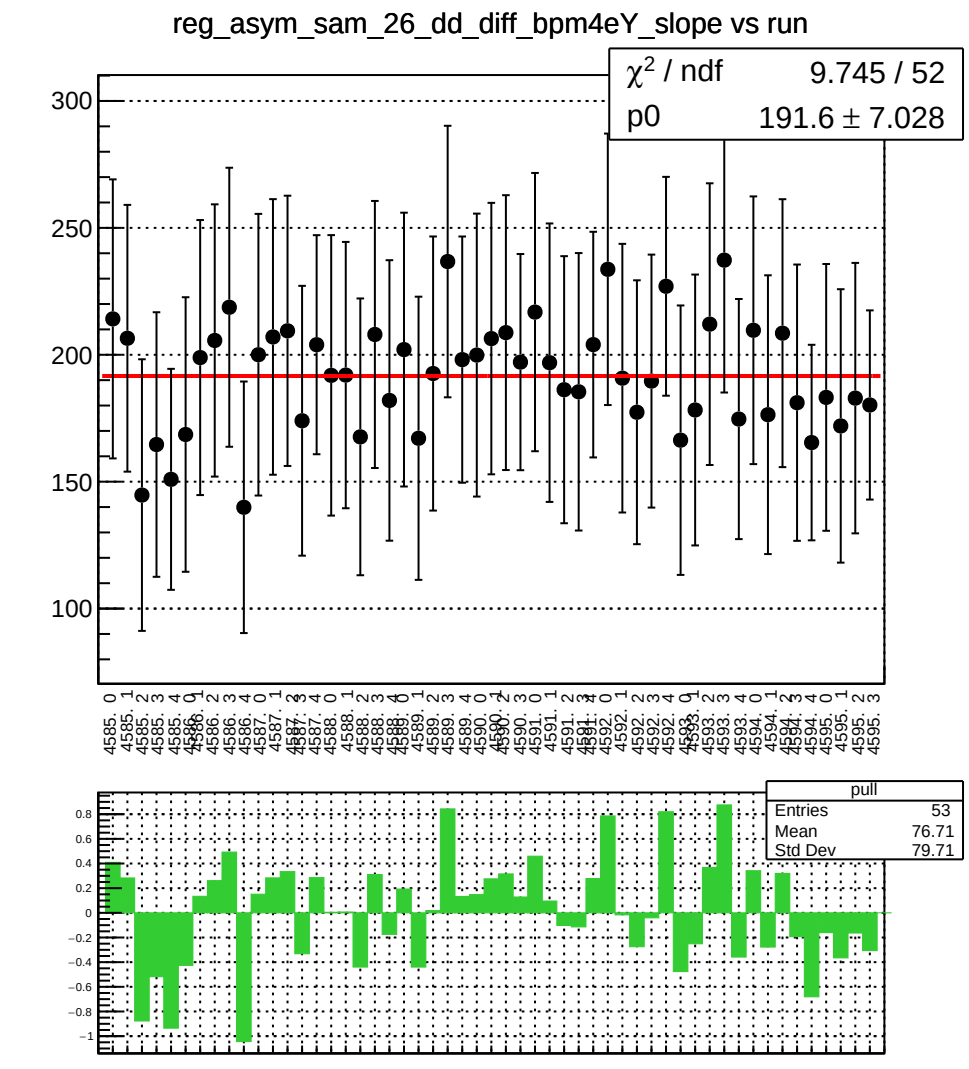

pull1D
Entries 53
Mean −0.001695
Std Dev 0.301

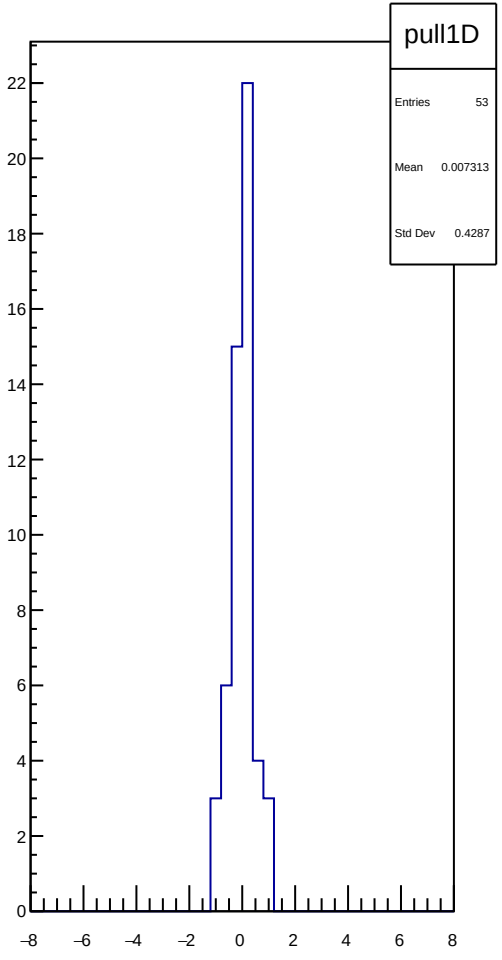

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.945 / 52
p0 −366.8 ± 5.174
pull
Entries 53
Mean 25.33
Std Dev 57.59

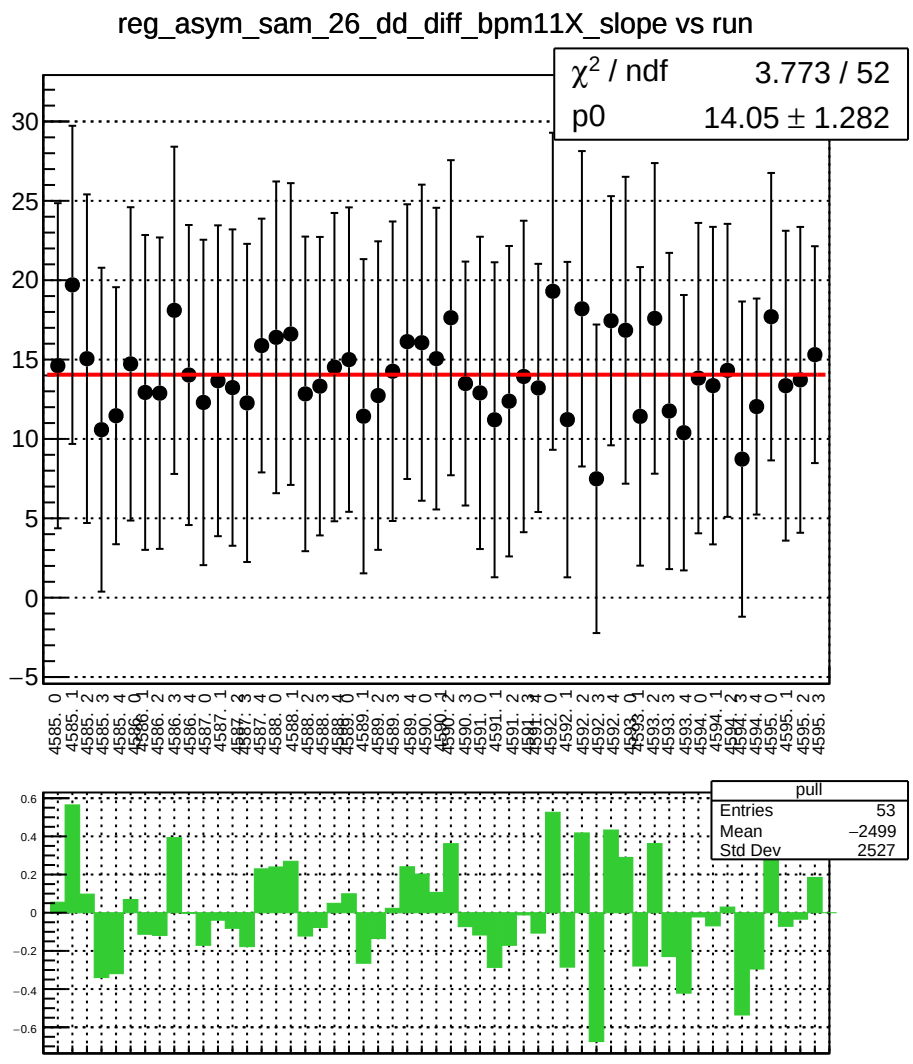

pull1D
Entries 53
Mean −0.008007
Std Dev 0.4107

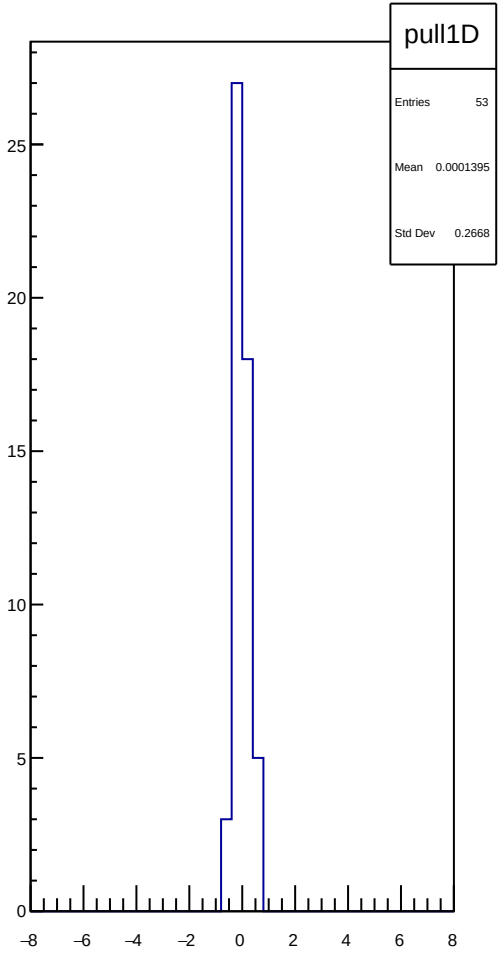

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.09 / 52
p0 −413.4 ± 0.8036
pull
Entries 53
Mean 154.2
Std Dev 134.8

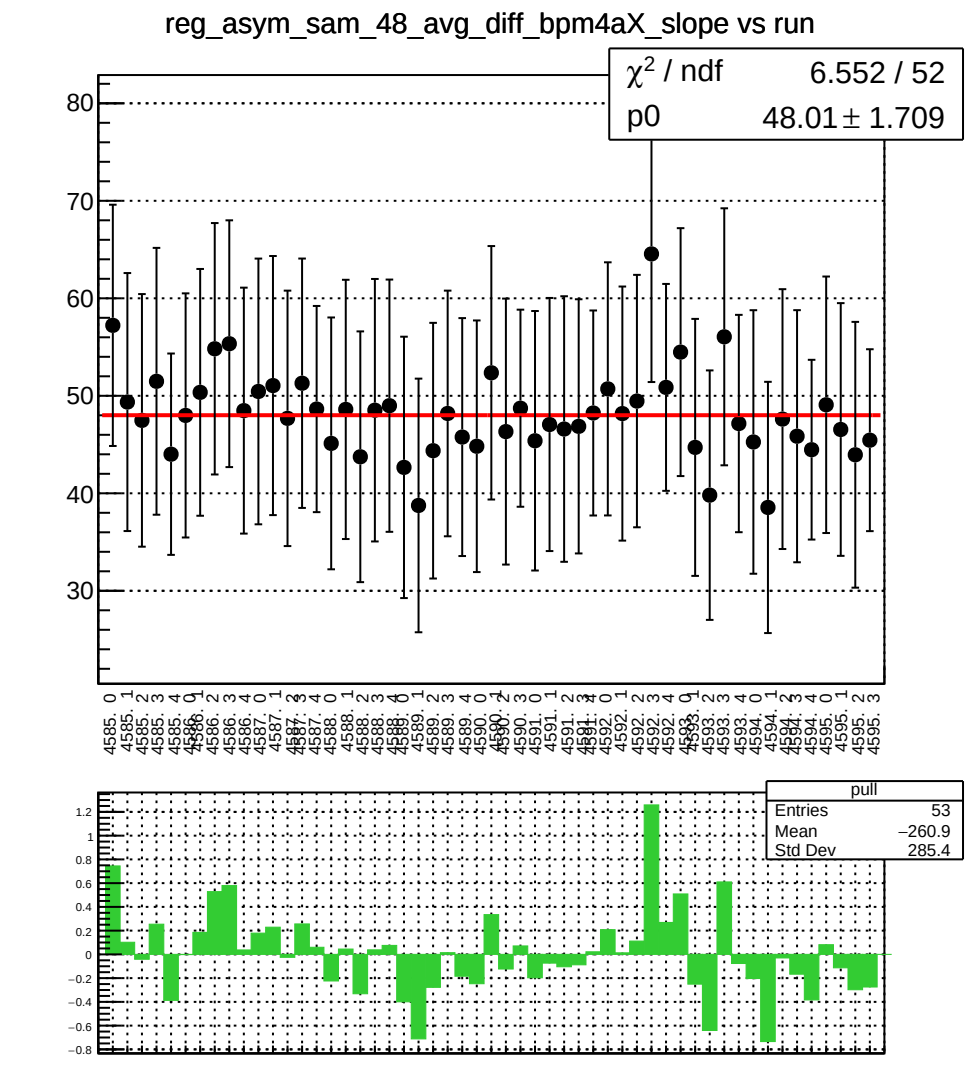

pull1D
Entries 53
Mean 0.005553
Std Dev 0.4969

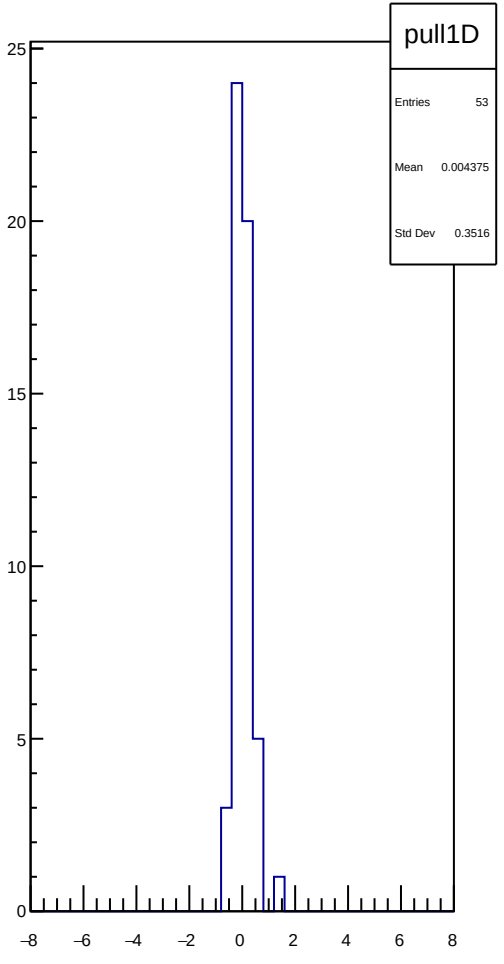

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.745 / 52
p0 191.6 ± 7.028
pull
Entries 53
Mean 76.71
Std Dev 79.71

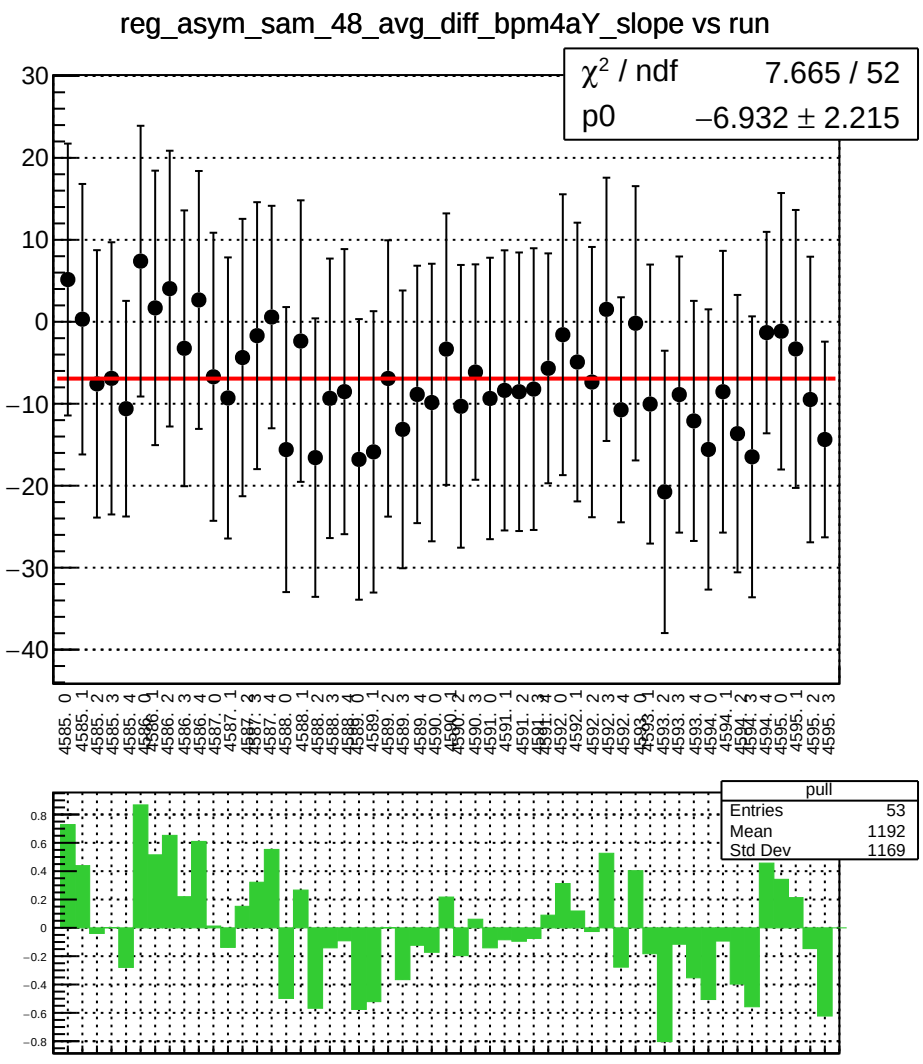

pull1D
Entries 53
Mean 0.007313
Std Dev 0.4287

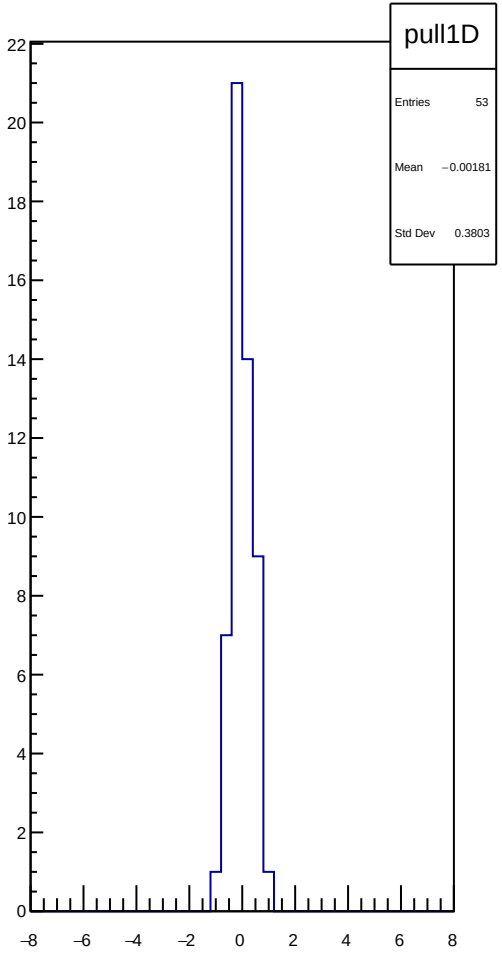

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 3.773 / 52
p0 14.05 ± 1.282
pull
Entries 53
Mean −2499
Std Dev 2527

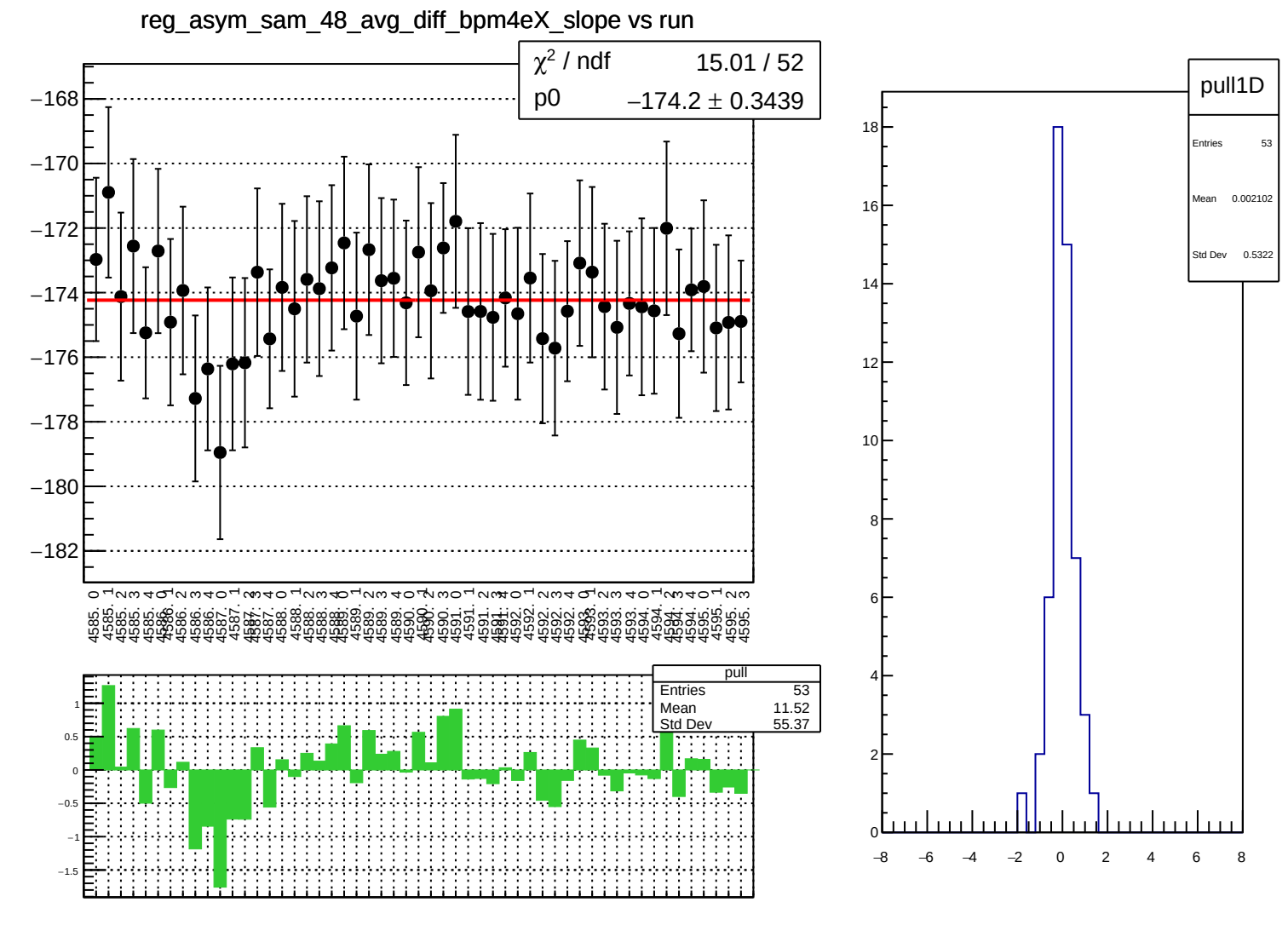

pull1D
Entries 53
Mean 0.0001395
Std Dev 0.2668

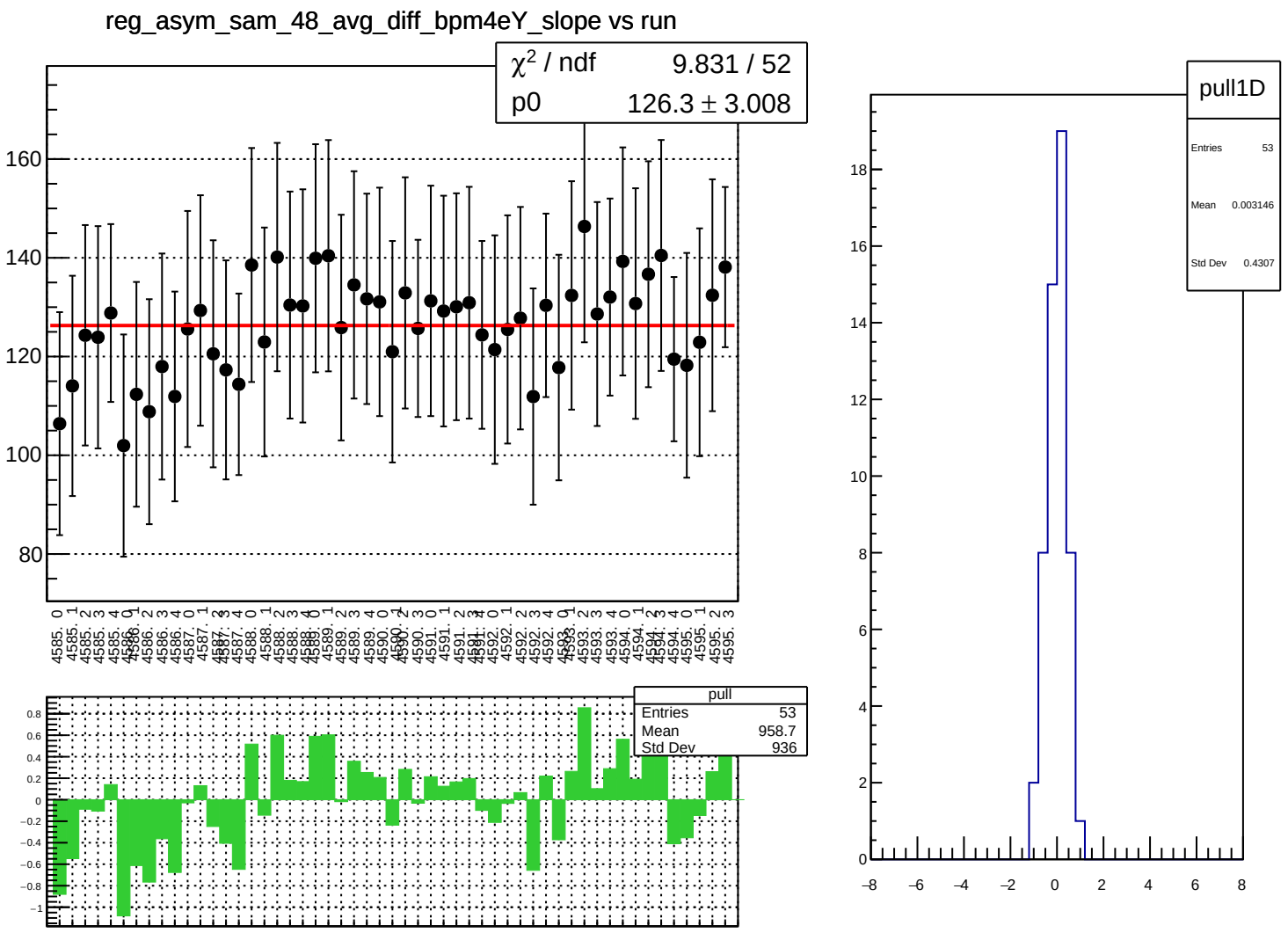

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 6.552 / 52
p0 48.01 ± 1.709
pull
Entries 53
Mean −260.9
Std Dev 285.4

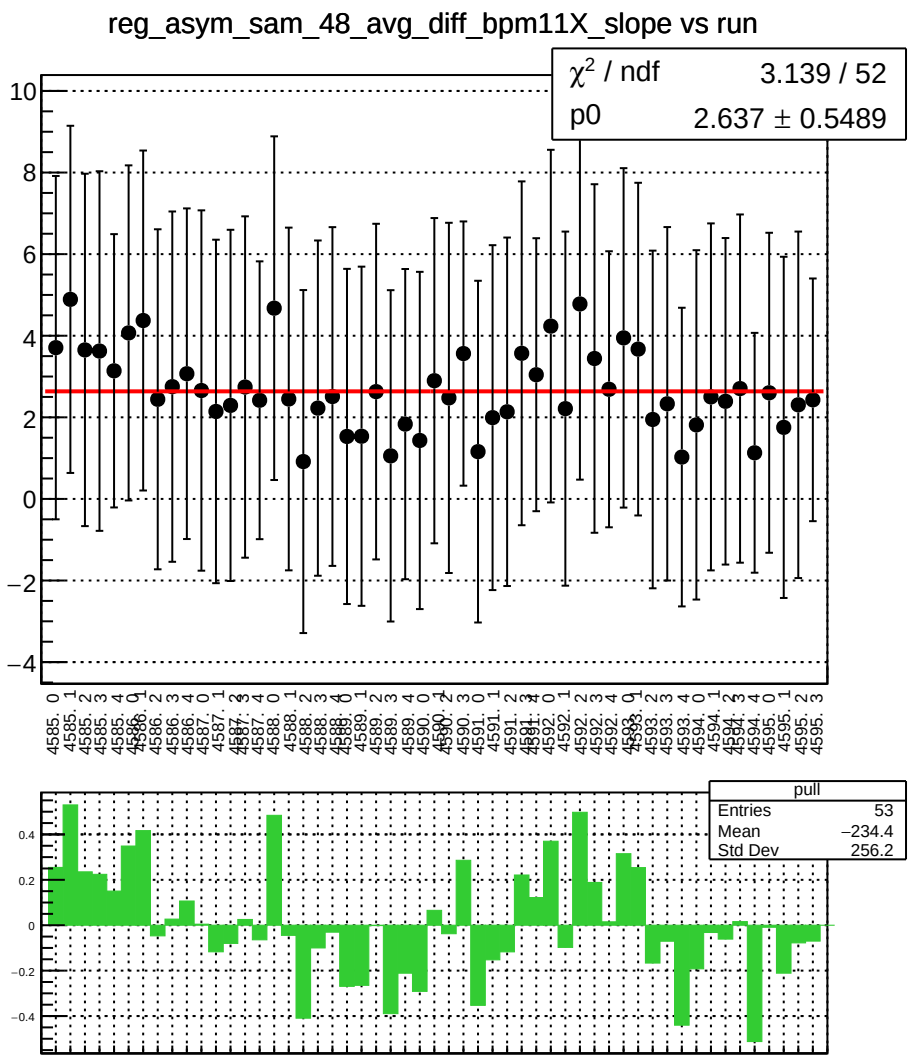

pull1D
Entries 53
Mean 0.004375
Std Dev 0.3516

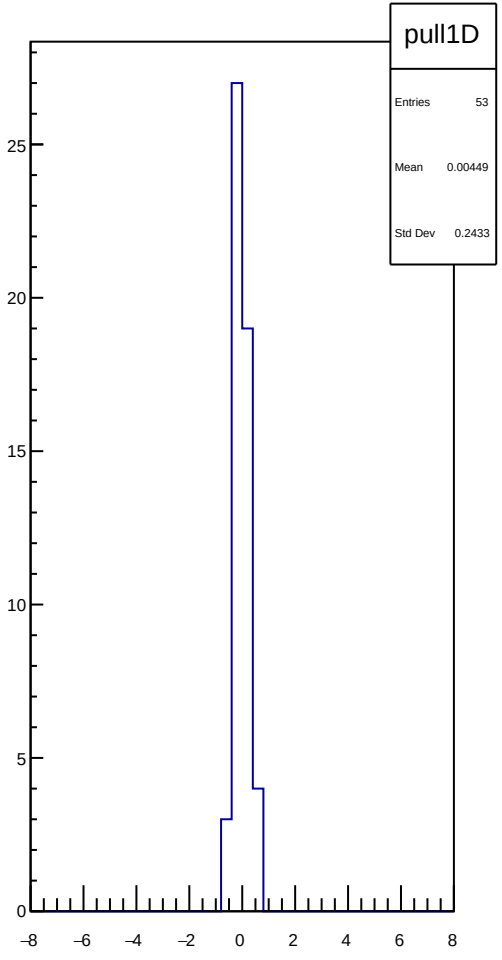

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.665 / 52
p0 −6.932 ± 2.215
pull
Entries 53
Mean 1192
Std Dev 1169

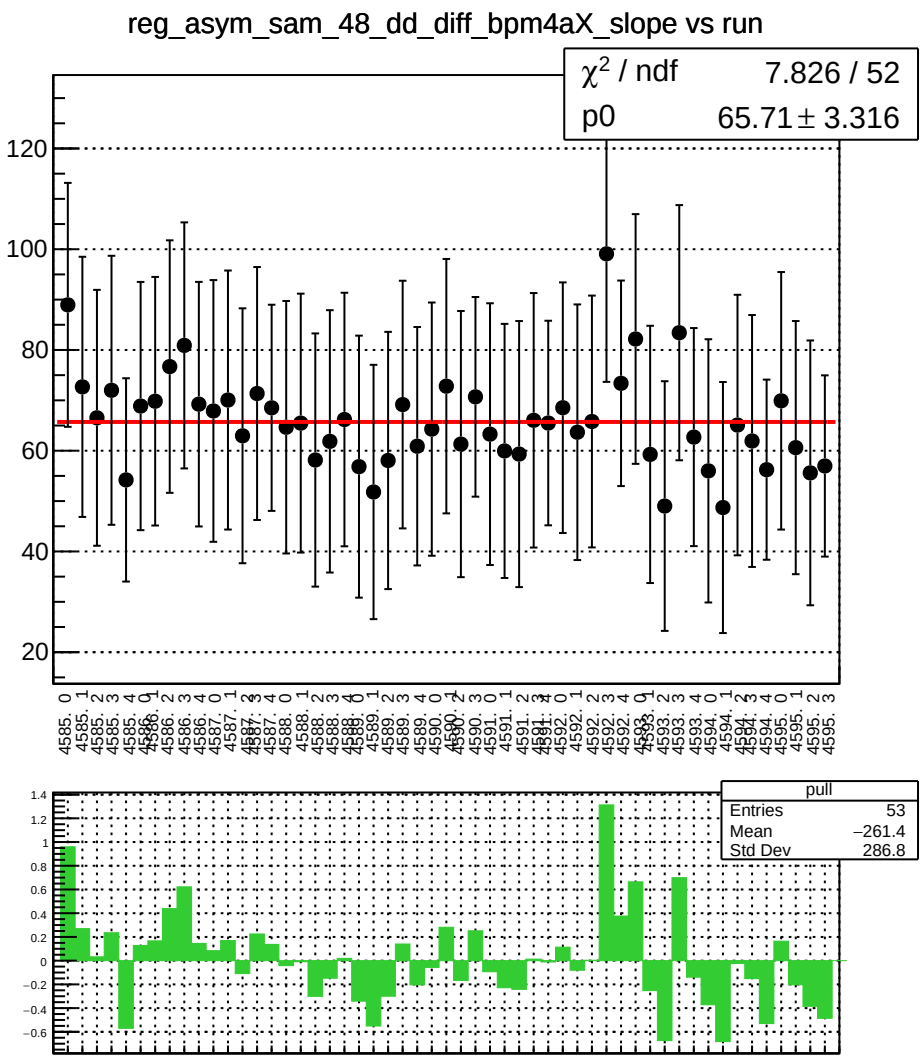

pull1D
Entries 53
Mean −0.00181
Std Dev 0.3803

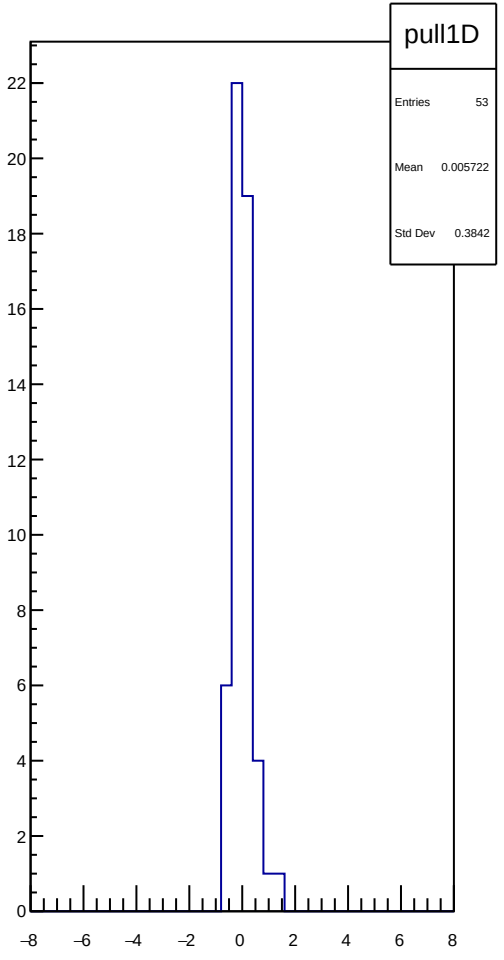

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.01 / 52
p0 −174.2 ± 0.3439
pull
Entries 53
Mean 11.52
Std Dev 55.37
pull1D
Entries 53
Mean 0.002102
Std Dev 0.5322

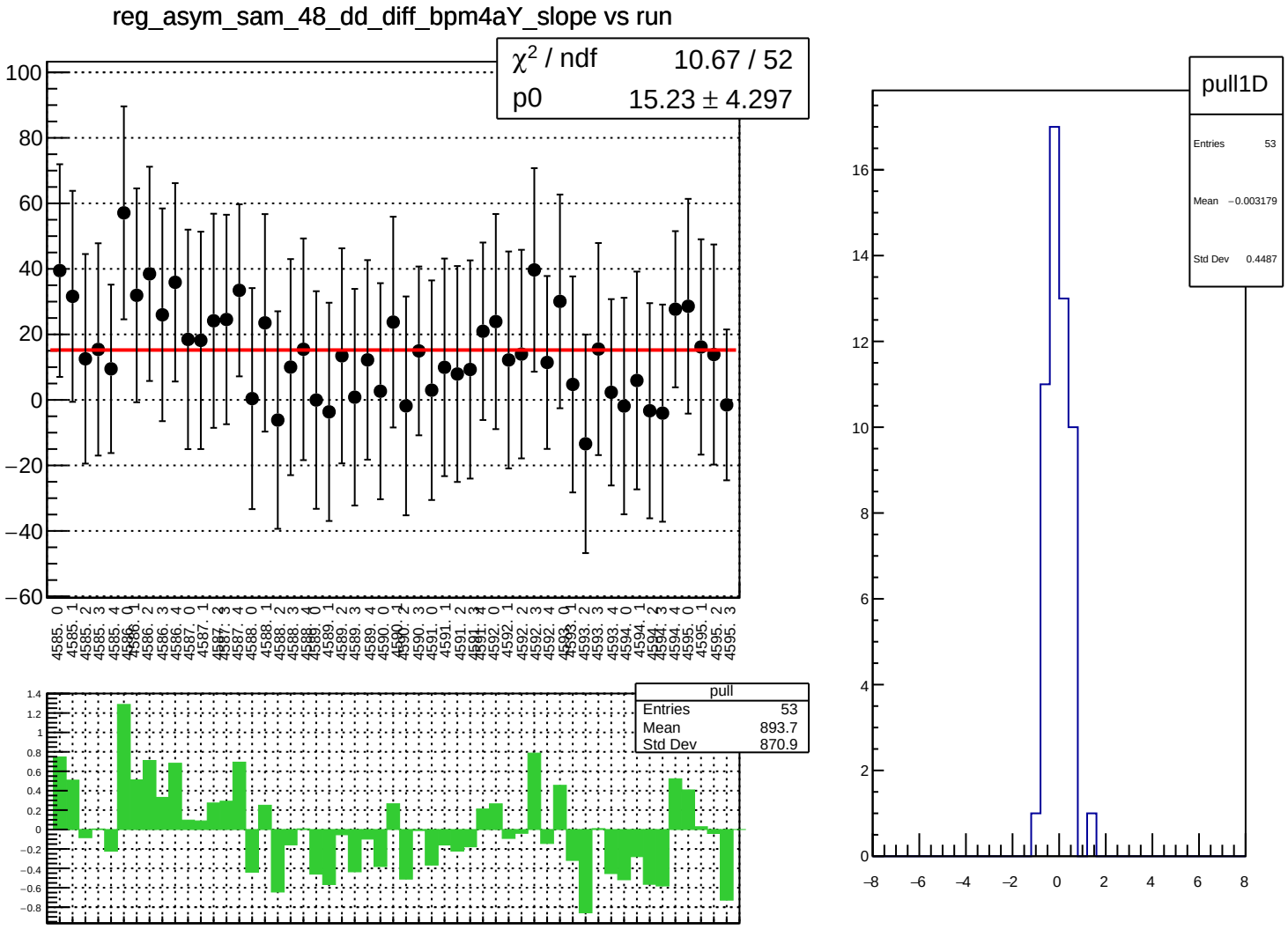

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.831 / 52
p0 126.3 ± 3.008
160
140
120
100
80
pull
Entries 53
Mean 958.7
Std Dev 936
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 53
Mean 0.003146
Std Dev 0.4307
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

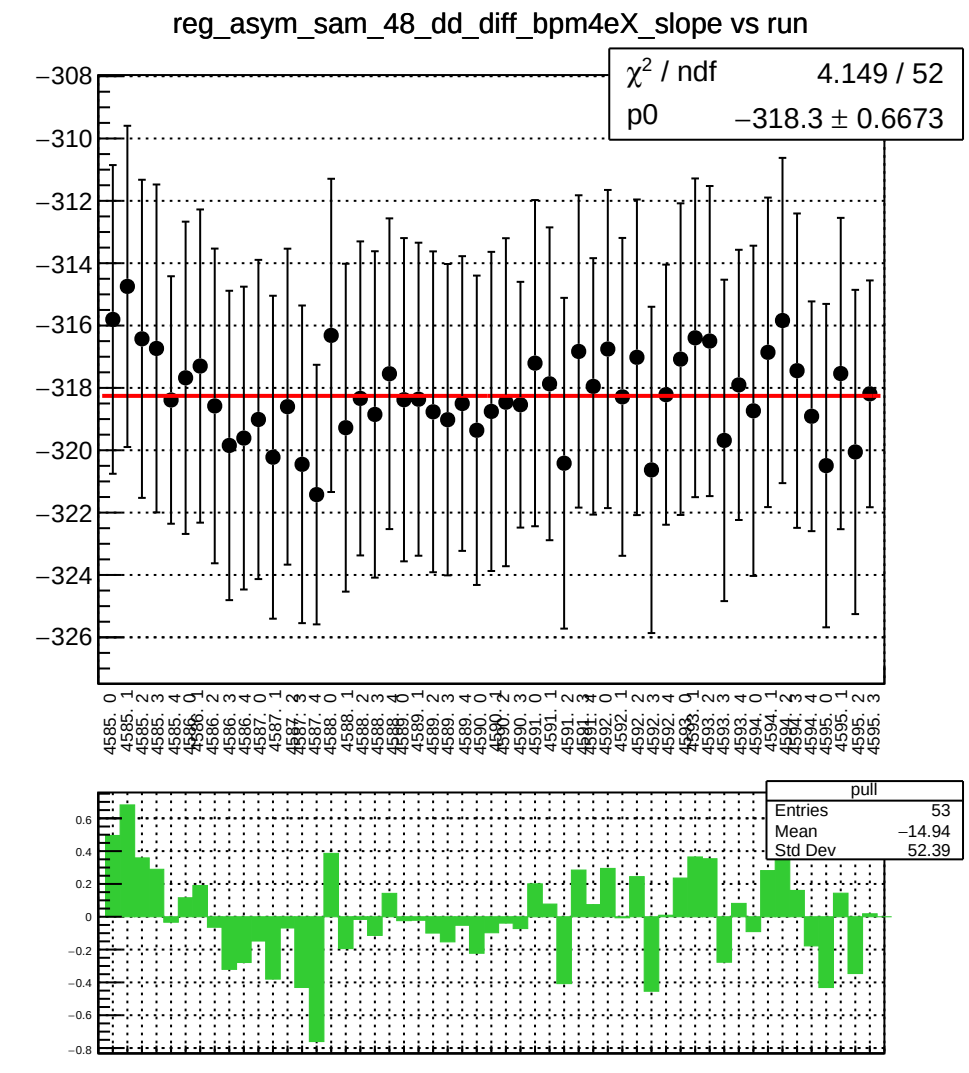

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 3.139 / 52
p0 2.637 ± 0.5489
pull
Entries 53
Mean −234.4
Std Dev 256.2

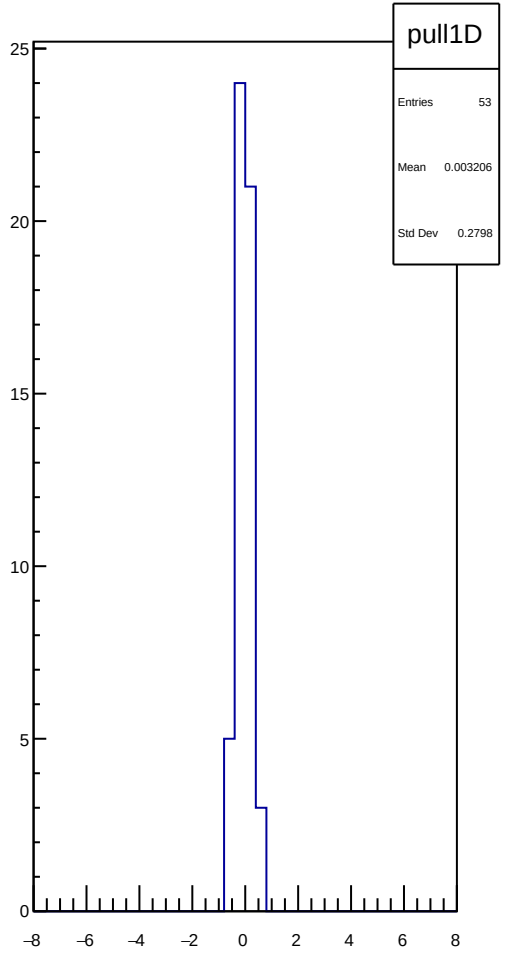

pull1D
Entries 53
Mean 0.00449
Std Dev 0.2433

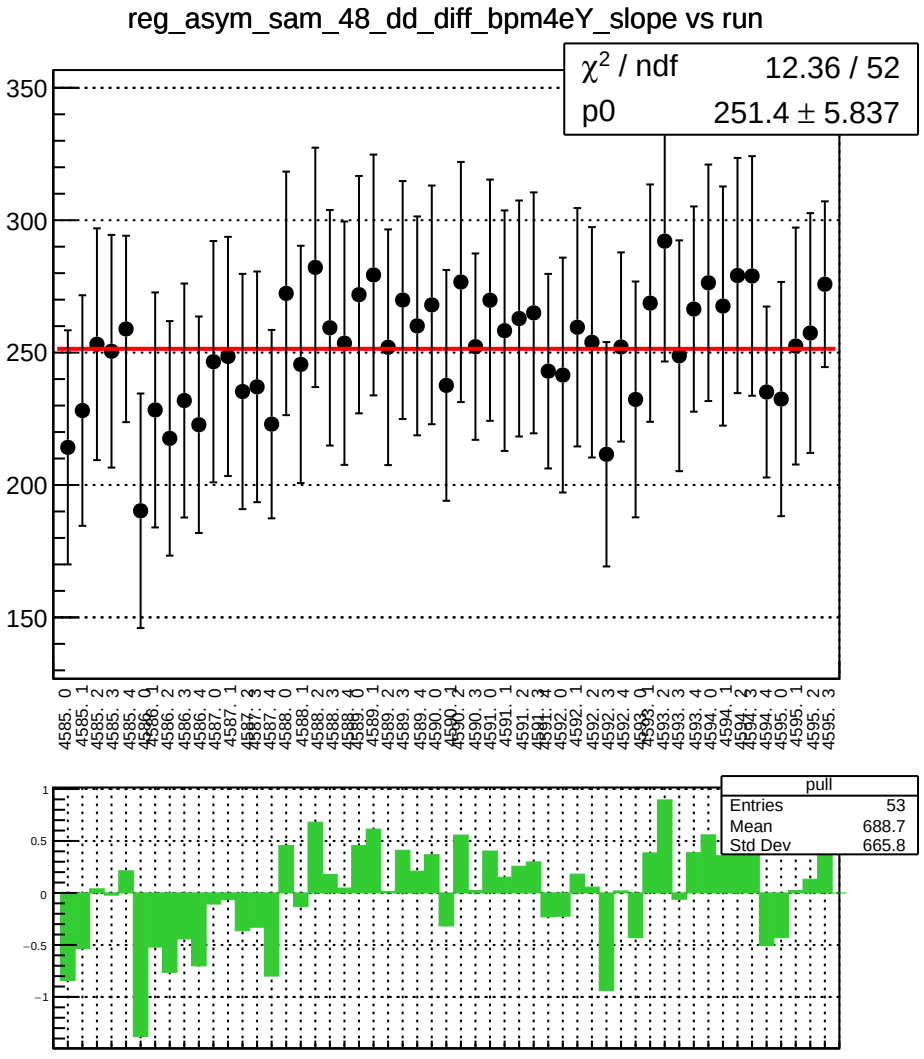

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.826 / 52
p0 65.71 ± 3.316
pull
Entries 53
Mean −261.4
Std Dev 286.8

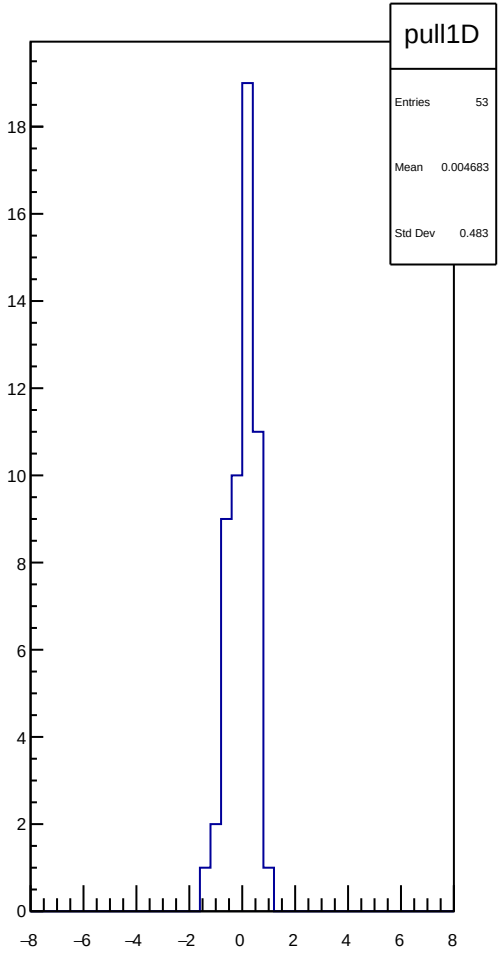

pull1D
Entries 53
Mean 0.005722
Std Dev 0.3842

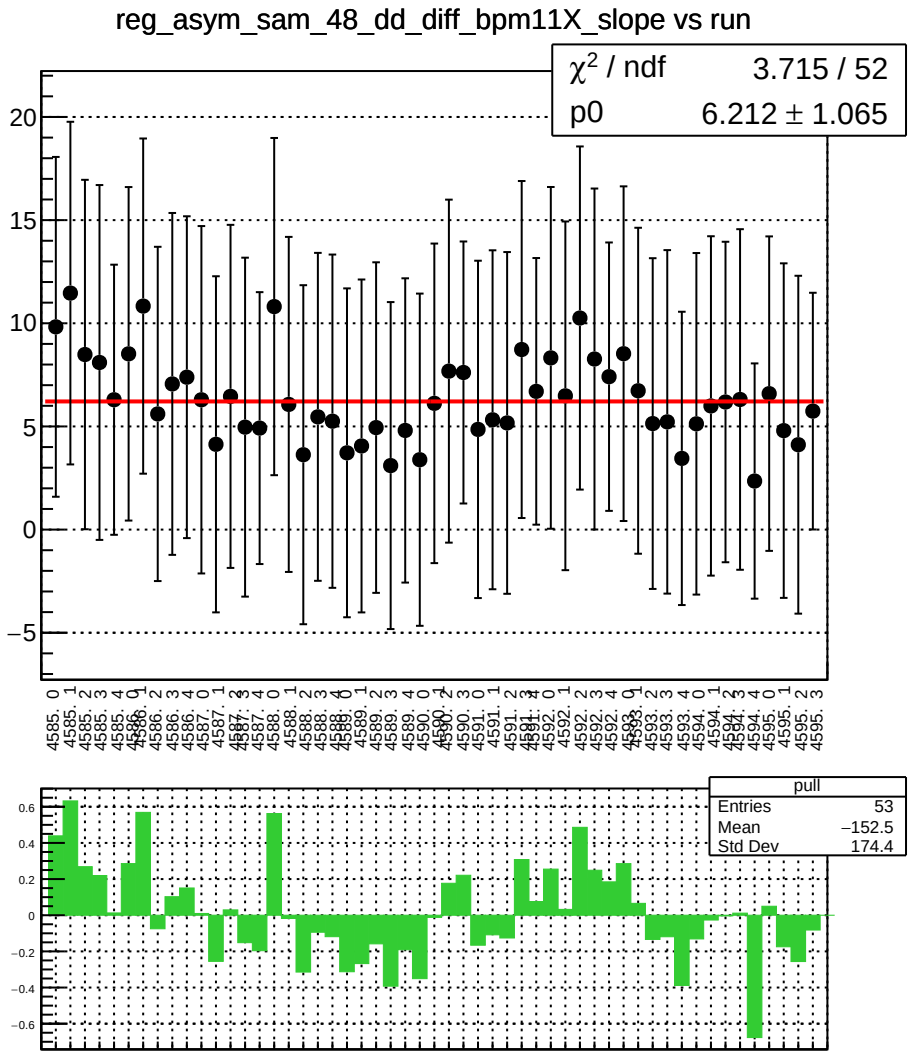

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.67 / 52
p0 15.23 ± 4.297
pull
Entries 53
Mean 893.7
Std Dev 870.9
pull1D
Entries 53
Mean −0.003179
Std Dev 0.4487

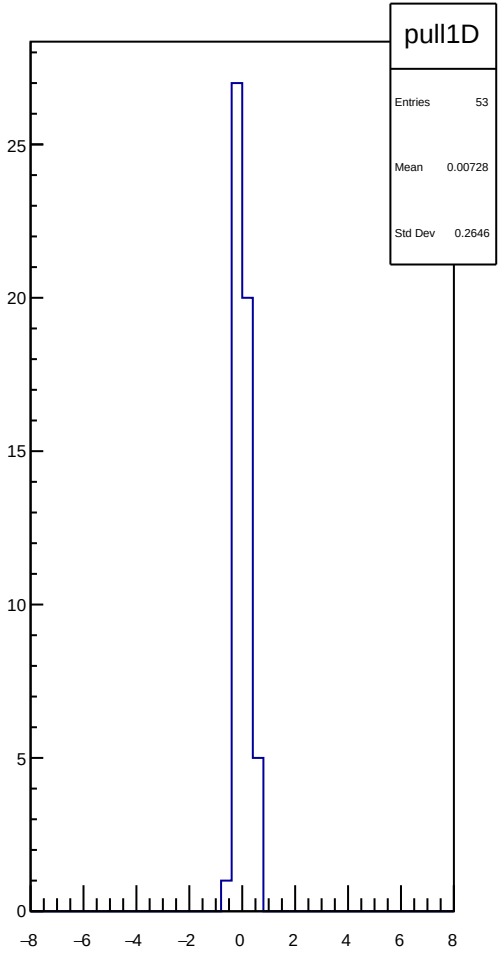

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.149 / 52
p0 −318.3 ± 0.6673
pull
Entries 53
Mean −14.94
Std Dev 52.39

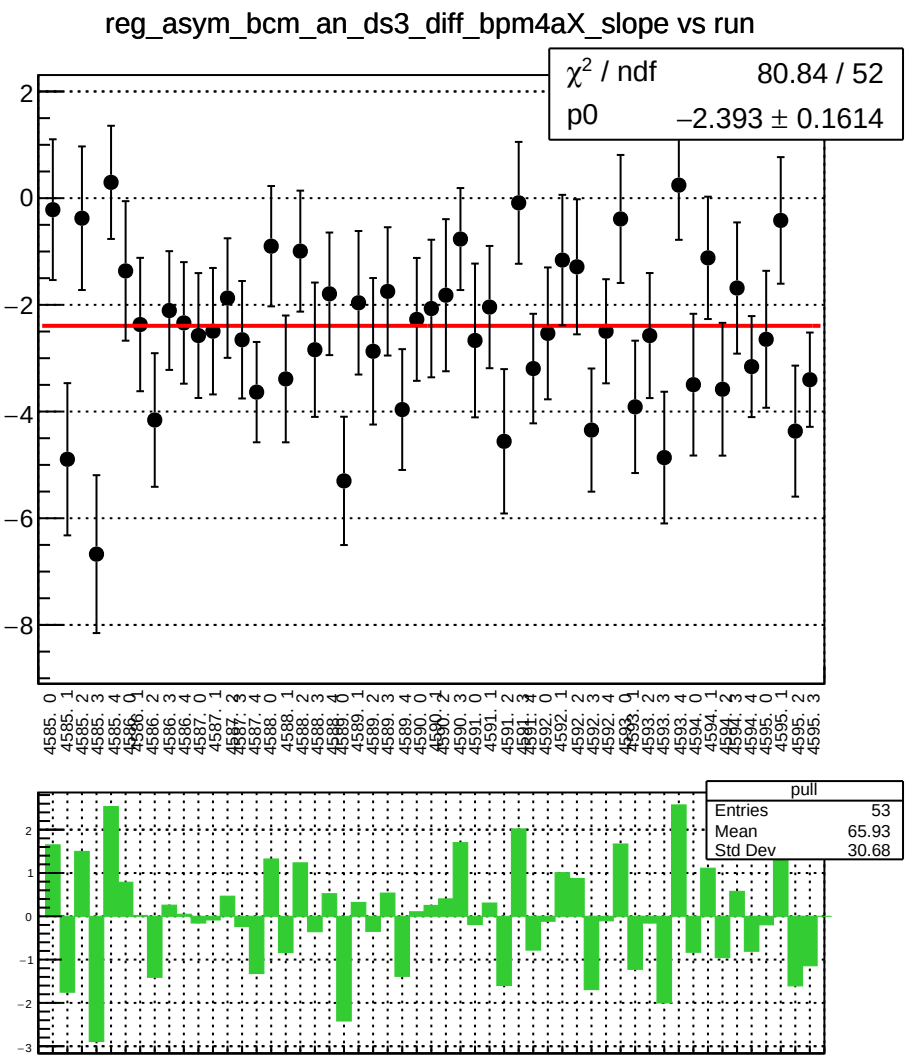

pull1D
Entries 53
Mean 0.003206
Std Dev 0.2798

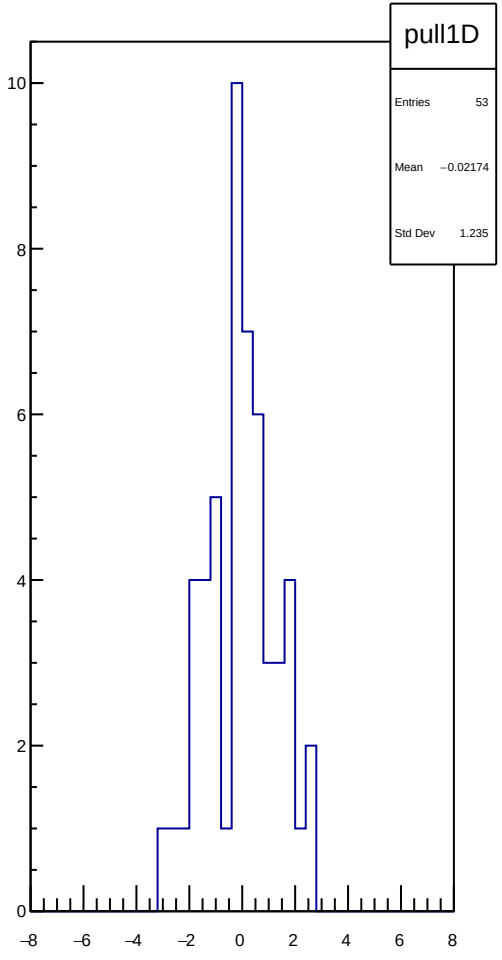

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.36 / 52
p0 251.4 ± 5.837
350
300
250
200
150
pull
Entries 53
Mean 688.7
Std Dev 665.8
1
0.5
0
−0.5
−1

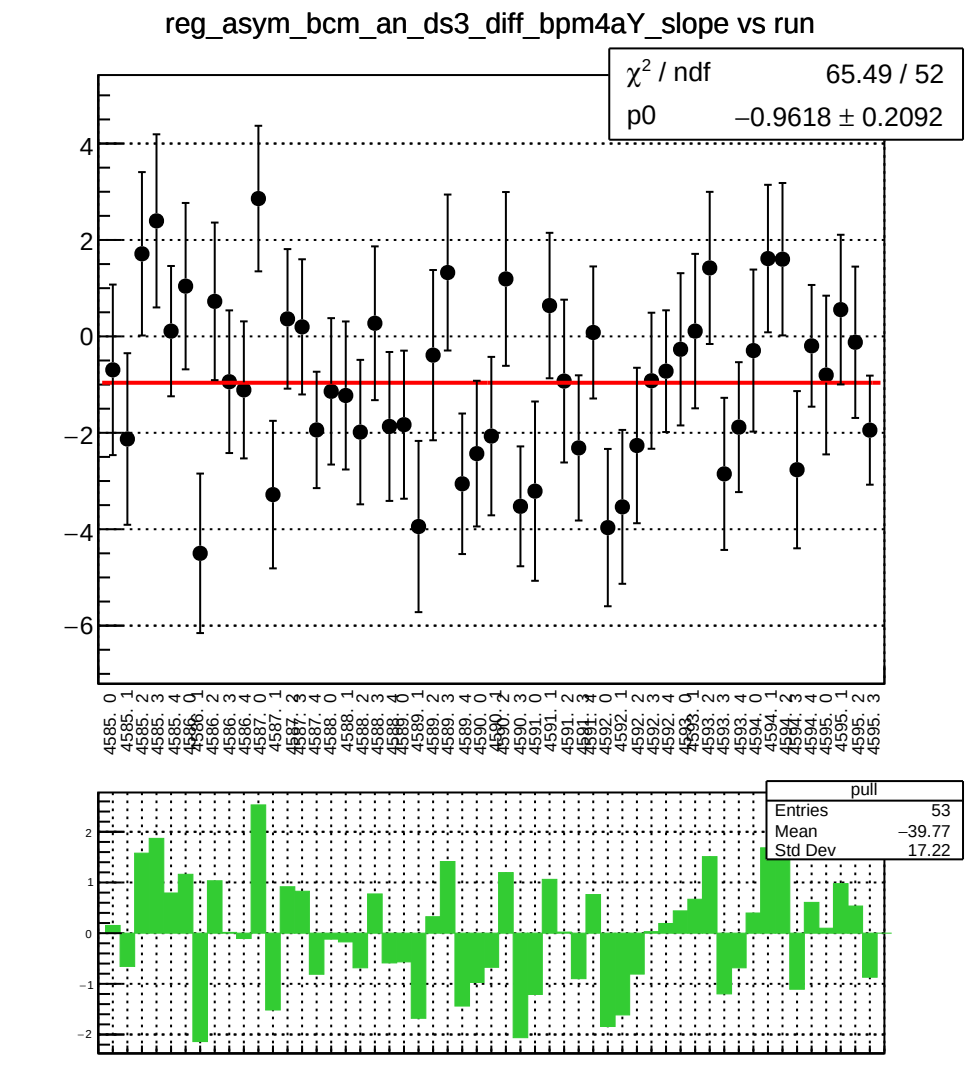

pull1D
Entries 53
Mean 0.004683
Std Dev 0.483
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

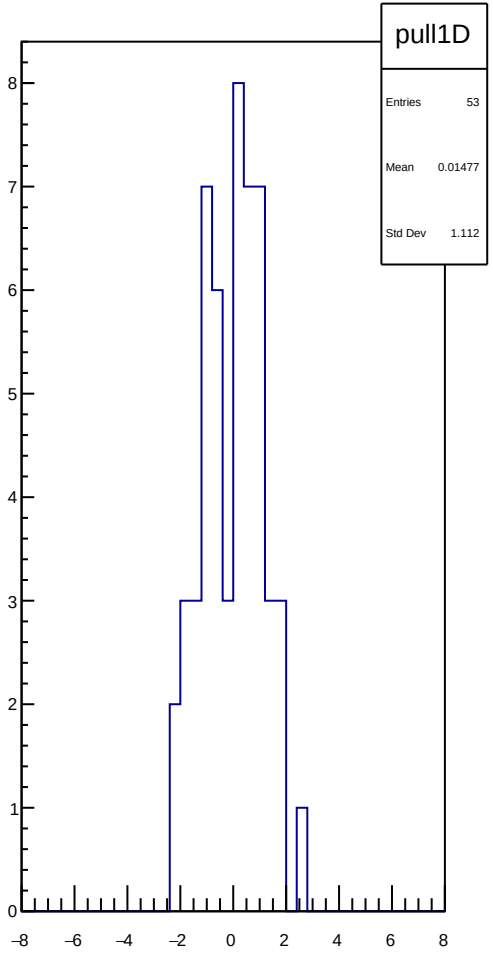

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 3.715 / 52
p0 6.212 ± 1.065
pull
Entries 53
Mean −152.5
Std Dev 174.4

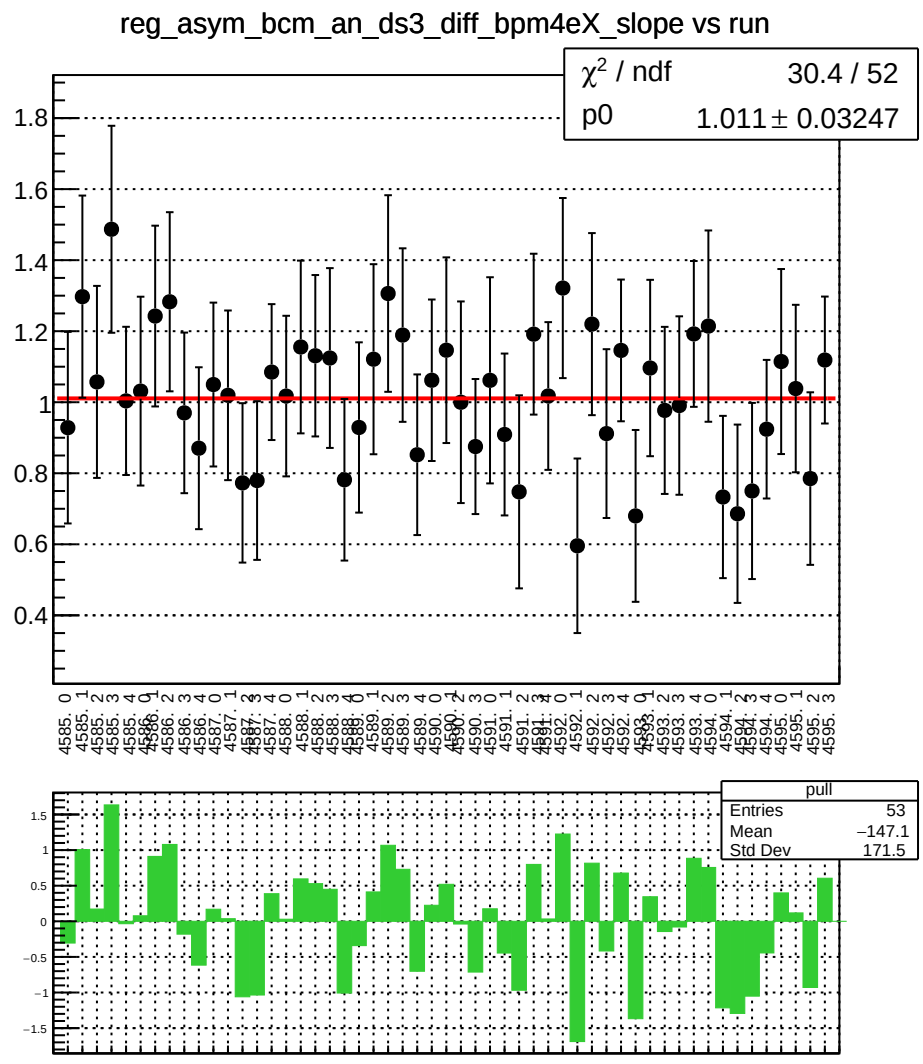

pull1D
Entries 53
Mean 0.00728
Std Dev 0.2646

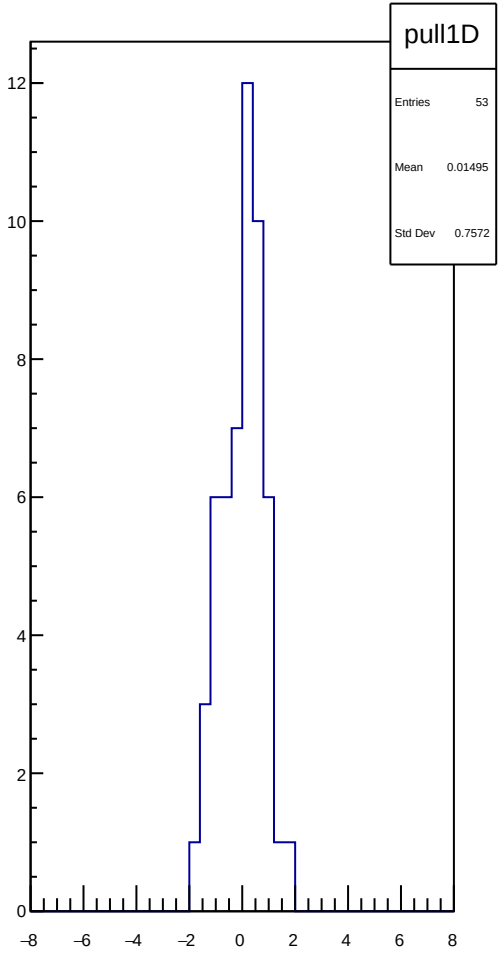

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 80.84 / 52
p0 −2.393 ± 0.1614
pull
Entries 53
Mean 65.93
Std Dev 30.68

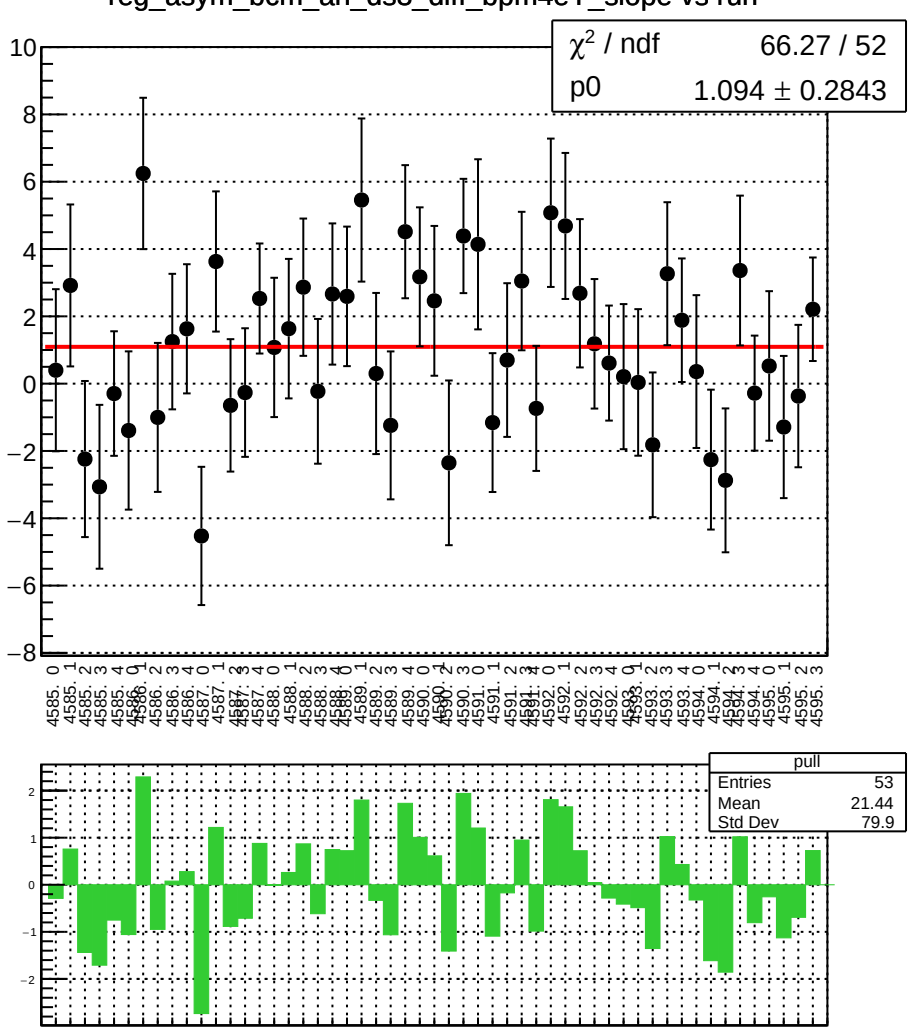

pull1D
Entries 53
Mean −0.02174
Std Dev 1.235

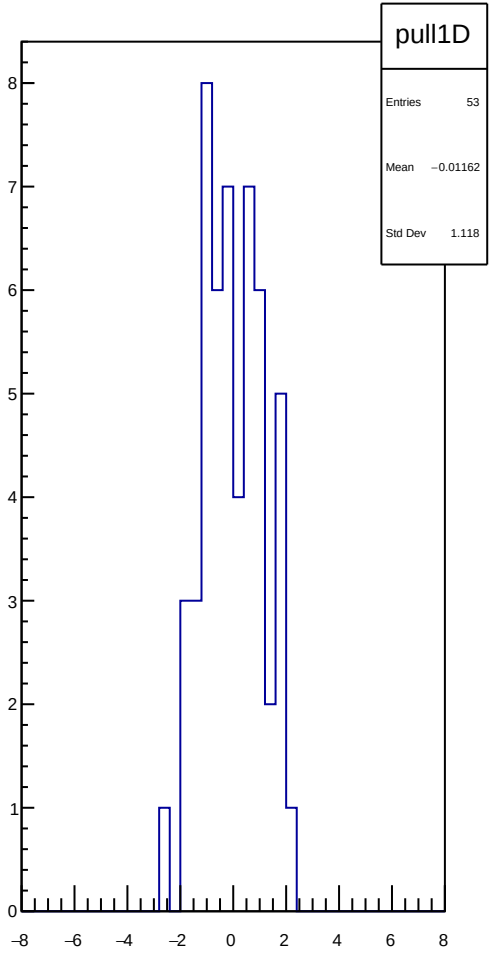

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 65.49 / 52
p0 −0.9618 ± 0.2092
pull
Entries 53
Mean −39.77
Std Dev 17.22

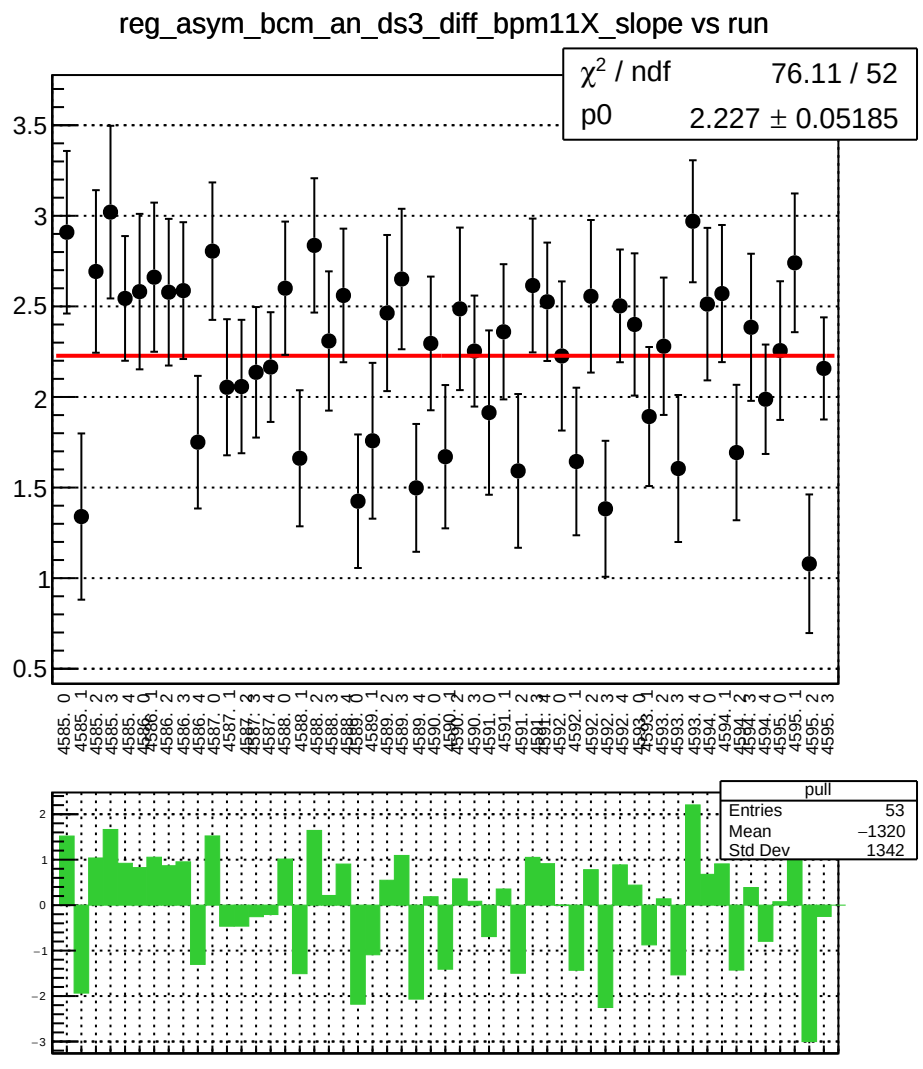

pull1D
Entries 53
Mean 0.01477
Std Dev 1.112

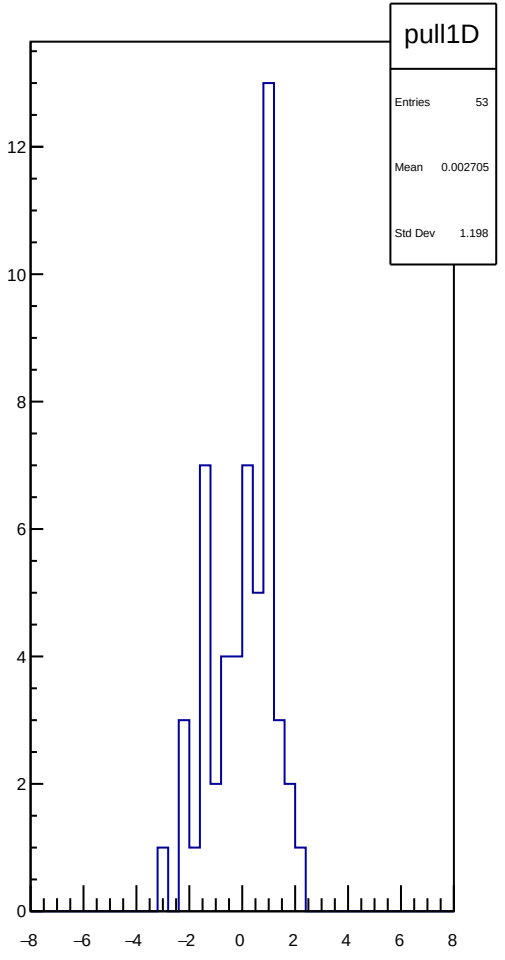

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 30.4 / 52
p0 1.011 ± 0.03247
pull
Entries 53
Mean −147.1
Std Dev 171.5

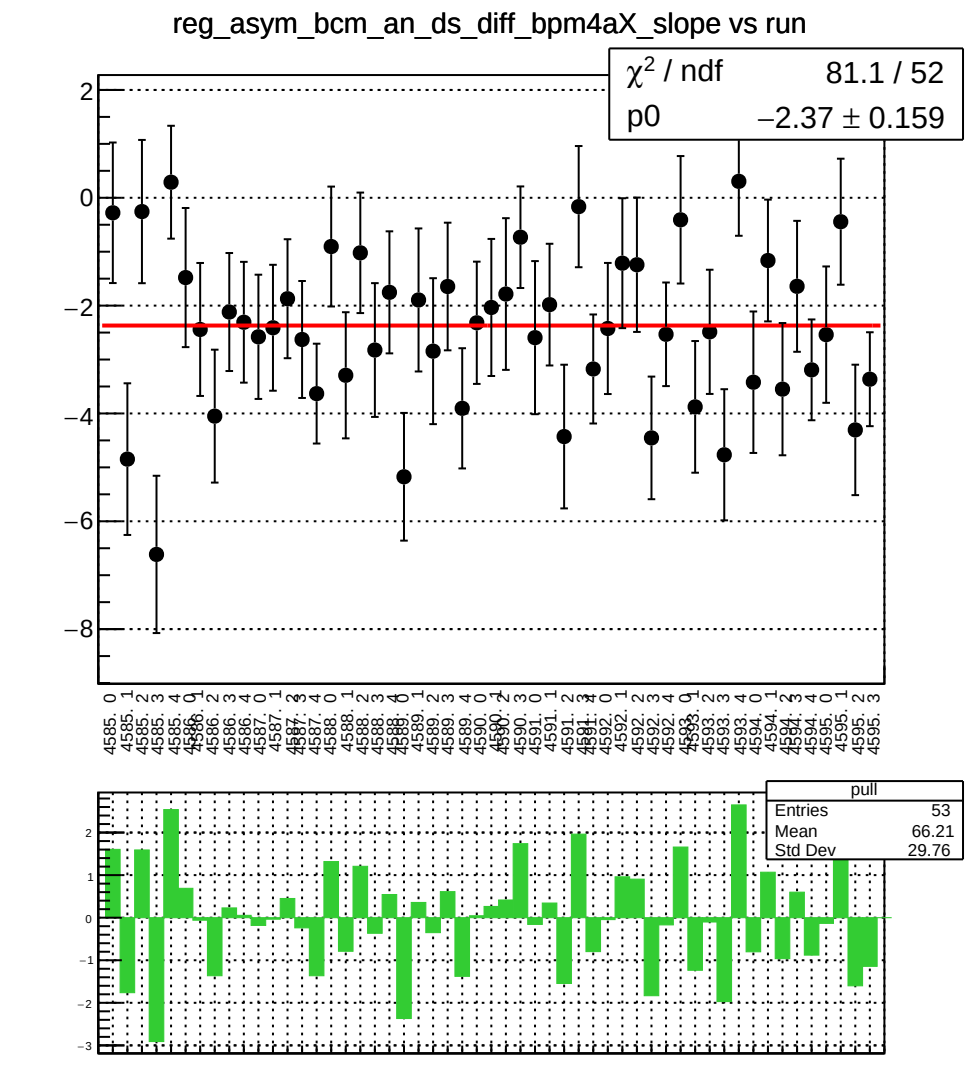

pull1D
Entries 53
Mean 0.01495
Std Dev 0.7572

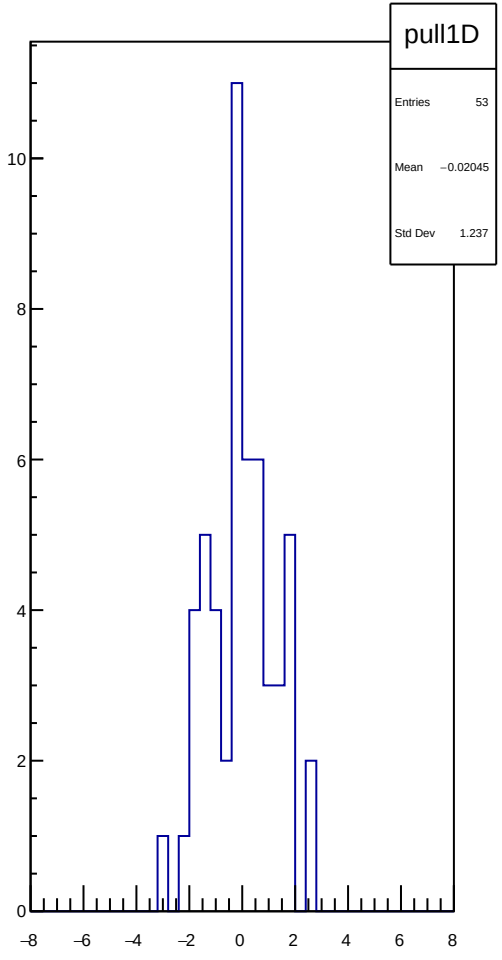

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 66.27 / 52
p0 1.094 ± 0.2843
pull
Entries 53
Mean 21.44
Std Dev 79.9

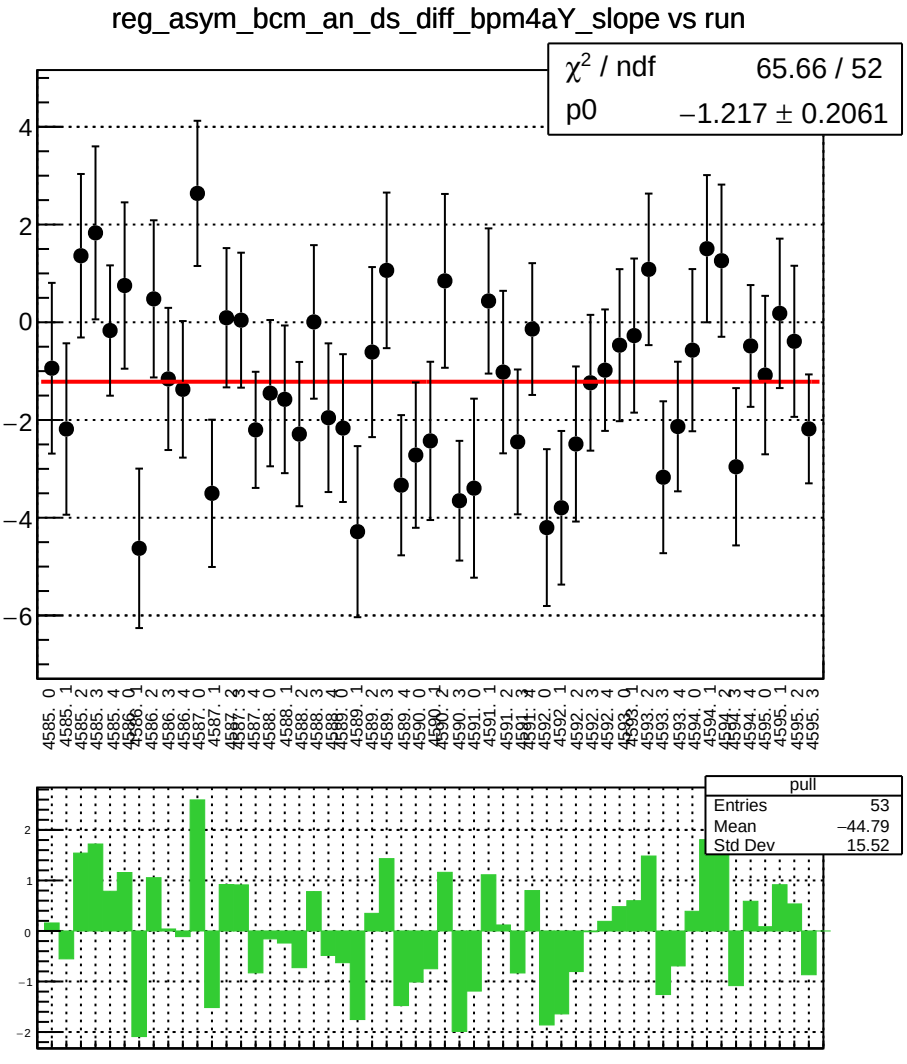

pull1D
Entries 53
Mean −0.01162
Std Dev 1.118

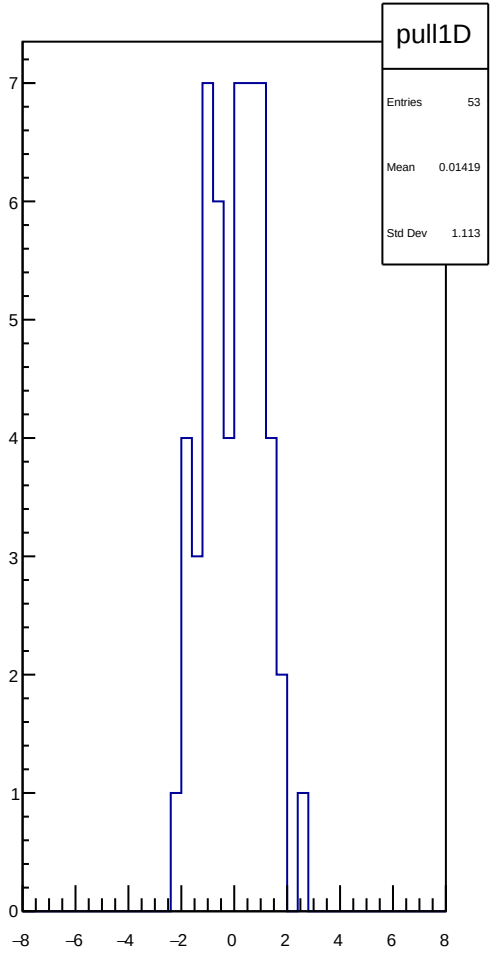

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 76.11 / 52
p0 2.227 ± 0.05185
pull
Entries 53
Mean −1320
Std Dev 1342

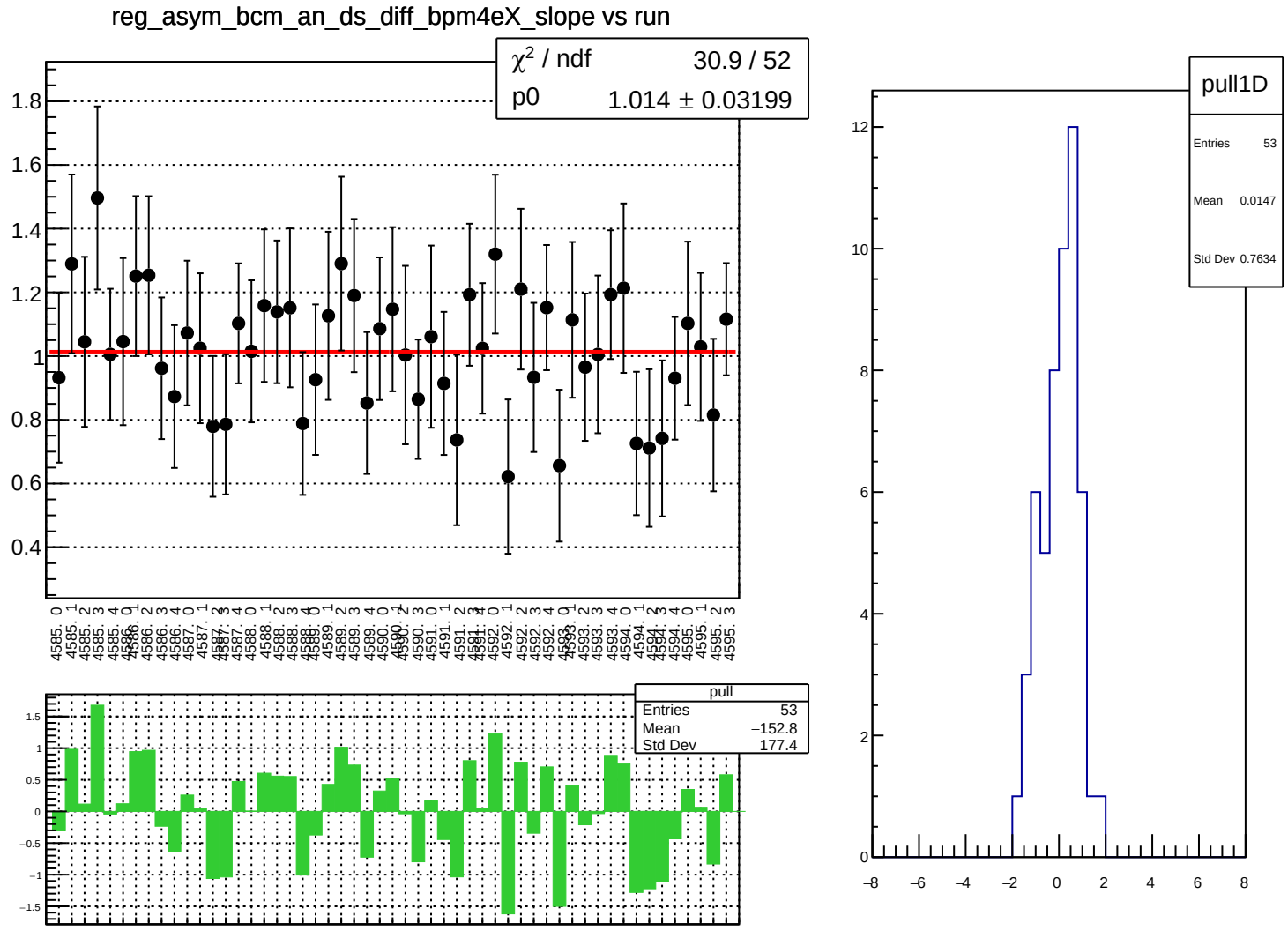

pull1D
Entries 53
Mean 0.002705
Std Dev 1.198

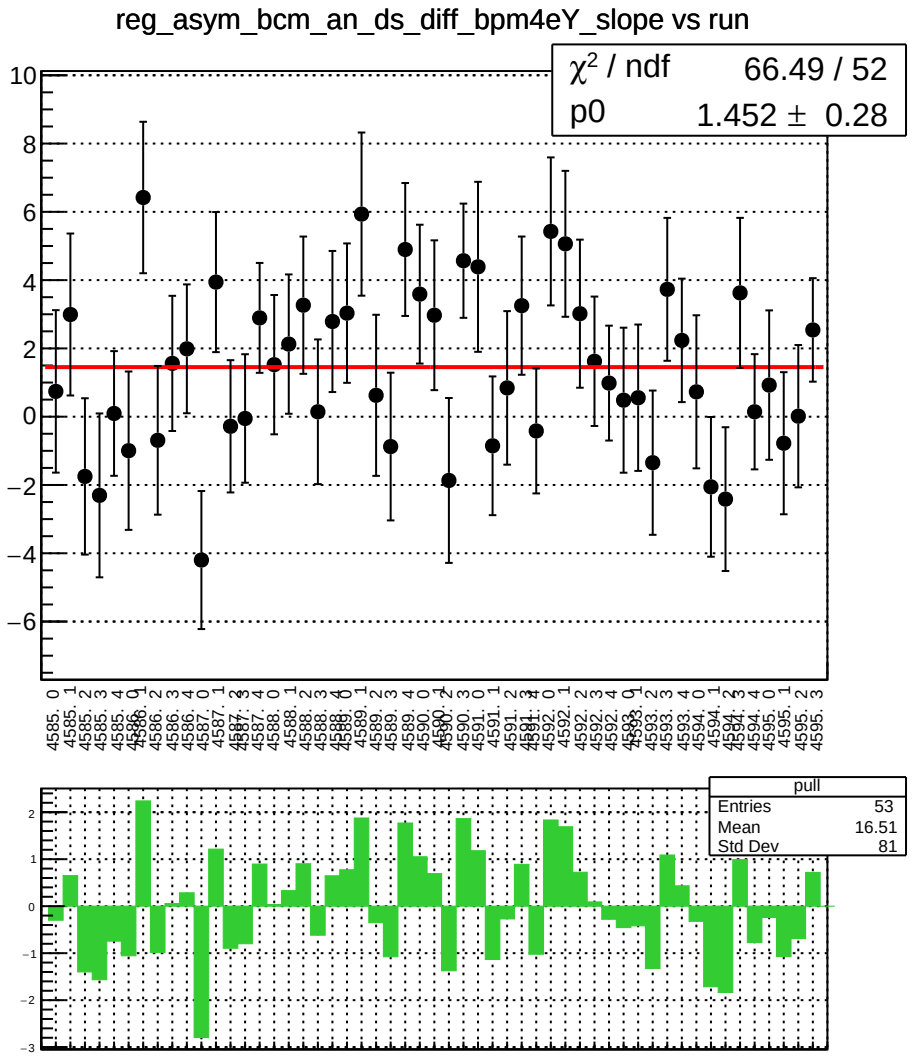

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 81.1 / 52
p0 −2.37 ± 0.159
pull
Entries 53
Mean 66.21
Std Dev 29.76

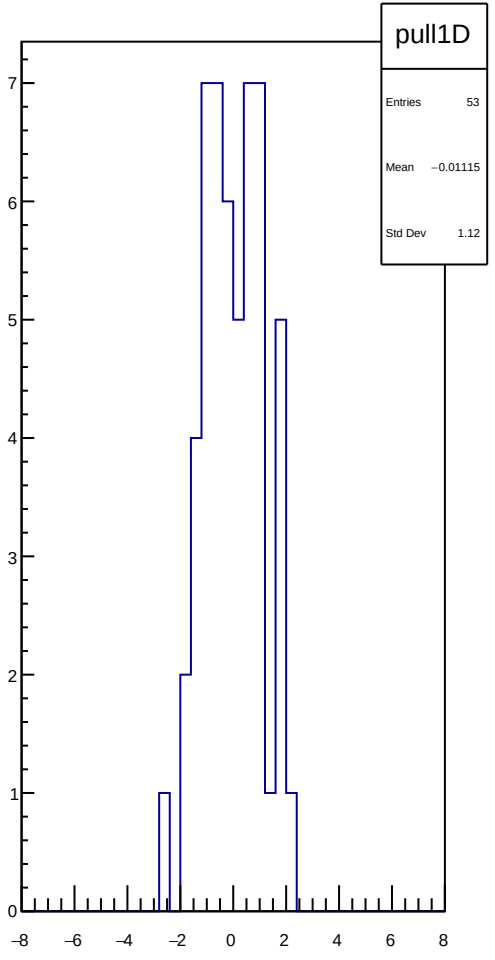

pull1D
Entries 53
Mean −0.02045
Std Dev 1.237

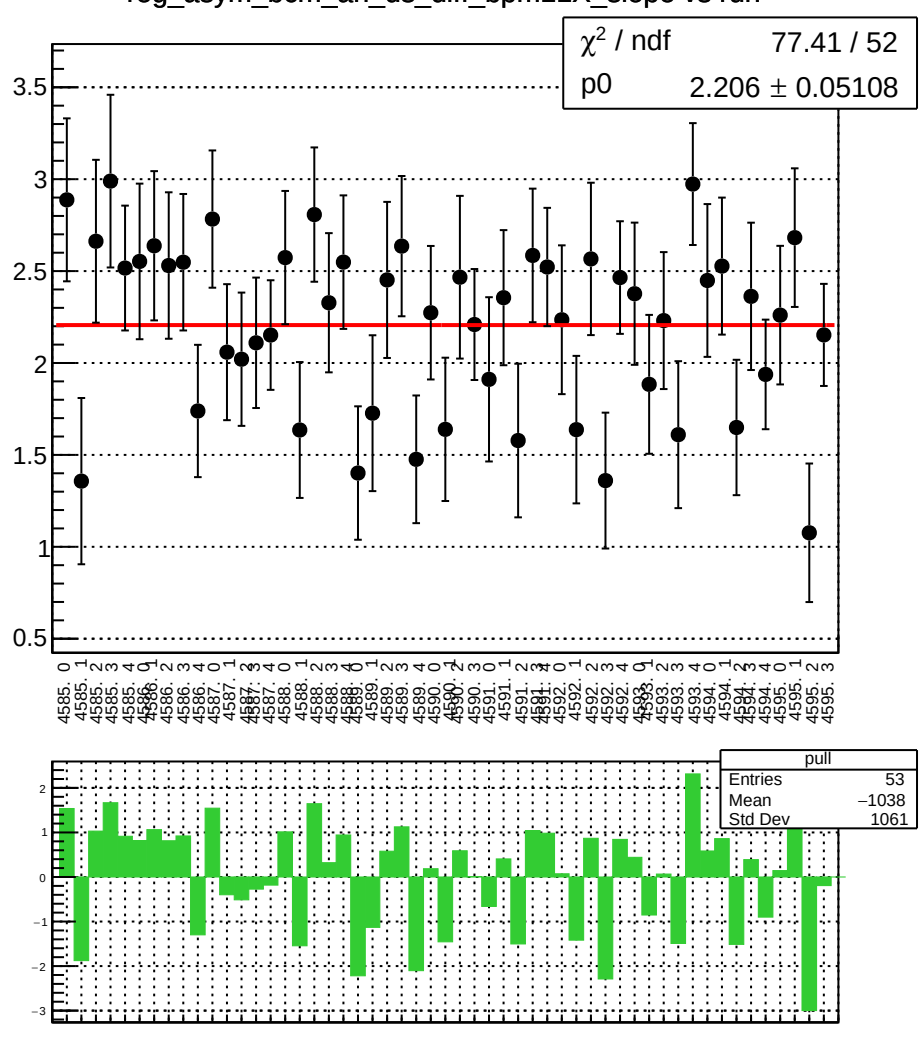

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 65.66 / 52
p0 −1.217 ± 0.2061
pull
Entries 53
Mean −44.79
Std Dev 15.52

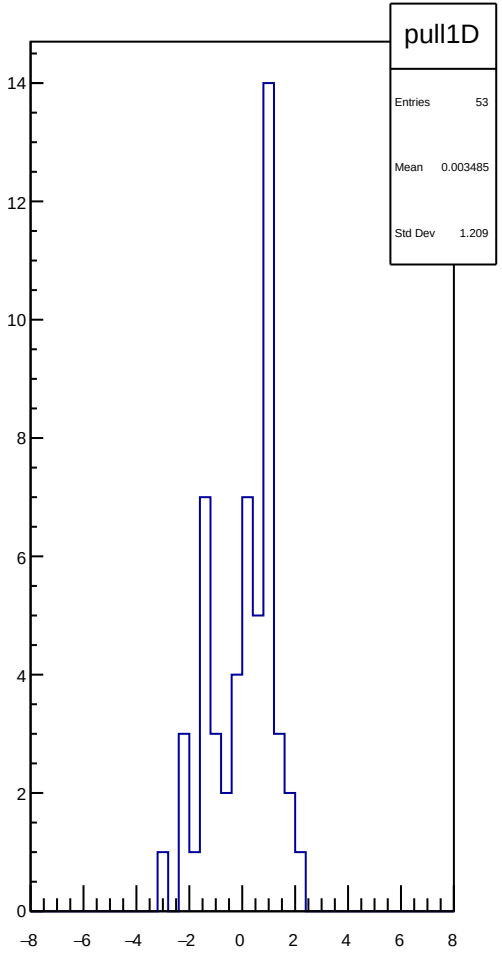

pull1D
Entries 53
Mean 0.01419
Std Dev 1.113

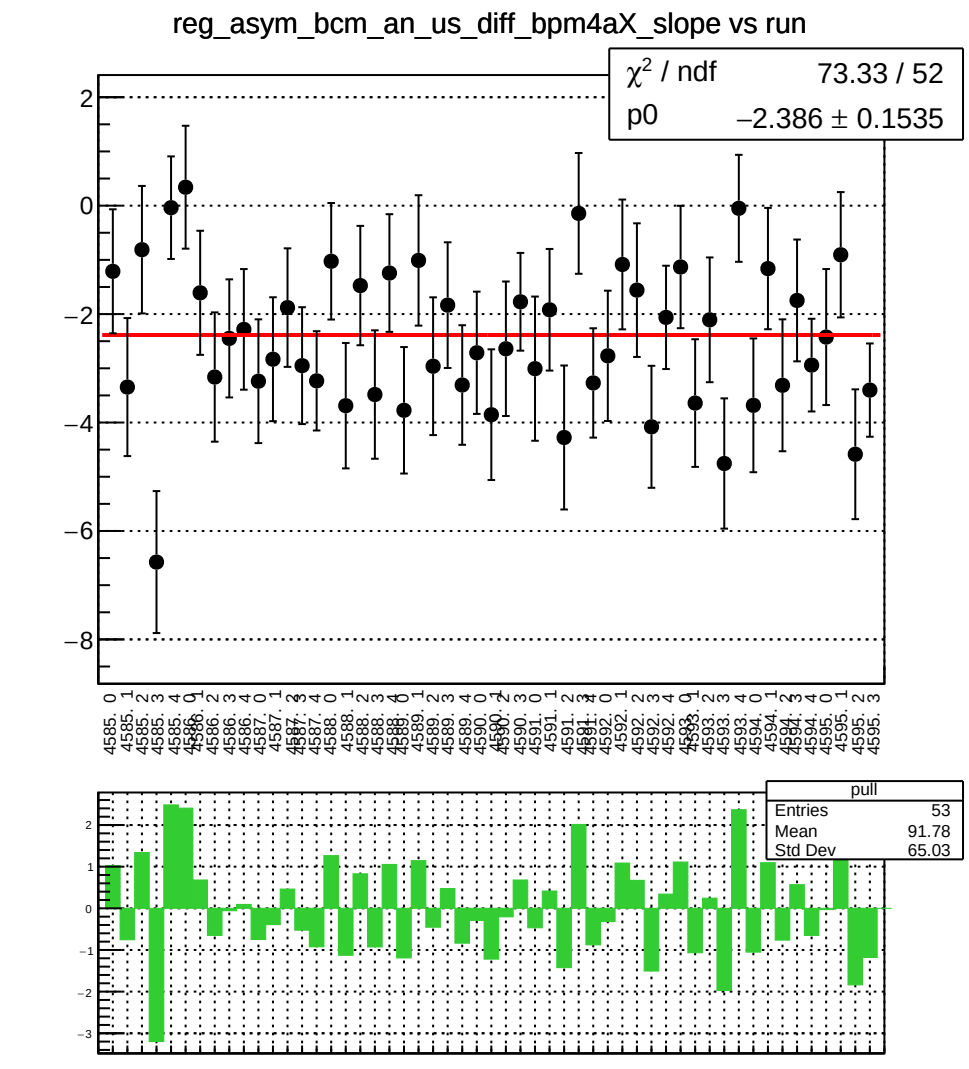

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 30.9 / 52
p0 1.014 ± 0.03199
pull
Entries 53
Mean −152.8
Std Dev 177.4
pull1D
Entries 53
Mean 0.0147
Std Dev 0.7634

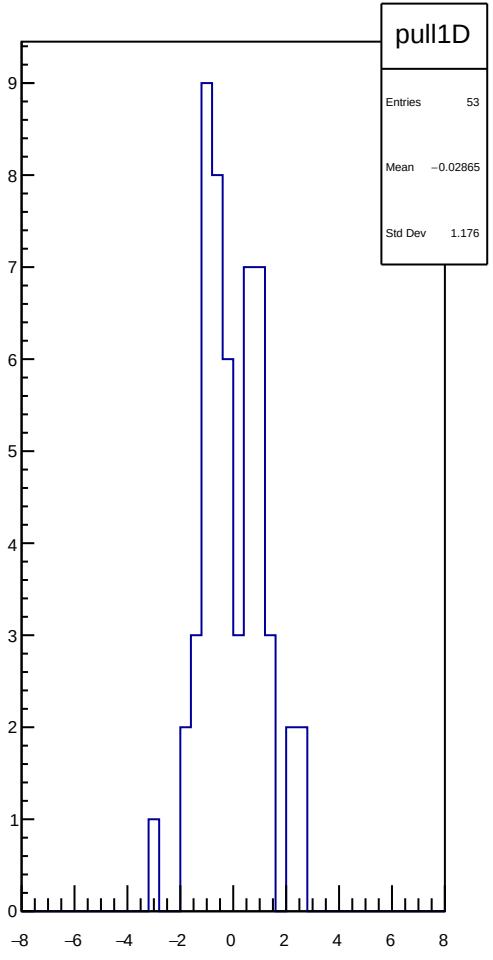

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 66.49 / 52
p0 1.452 ± 0.28
pull
Entries 53
Mean 16.51
Std Dev 81

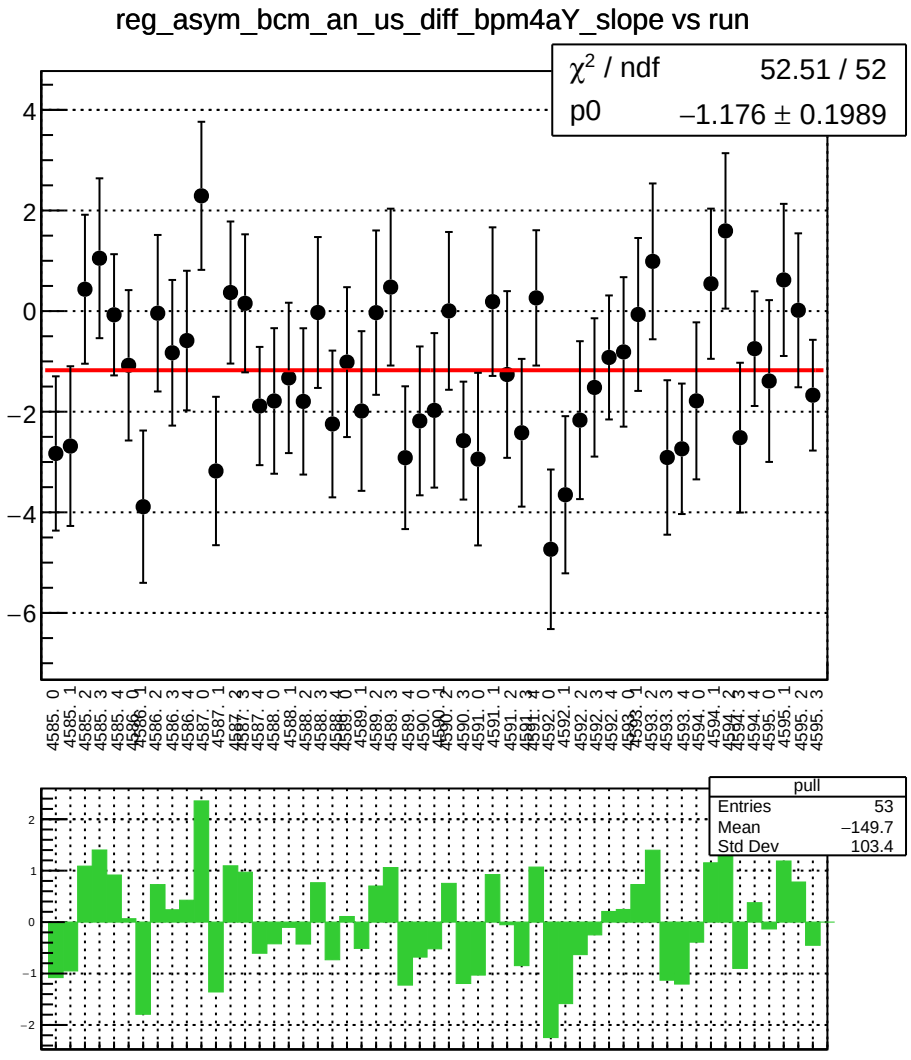

pull1D
Entries 53
Mean −0.01115
Std Dev 1.12

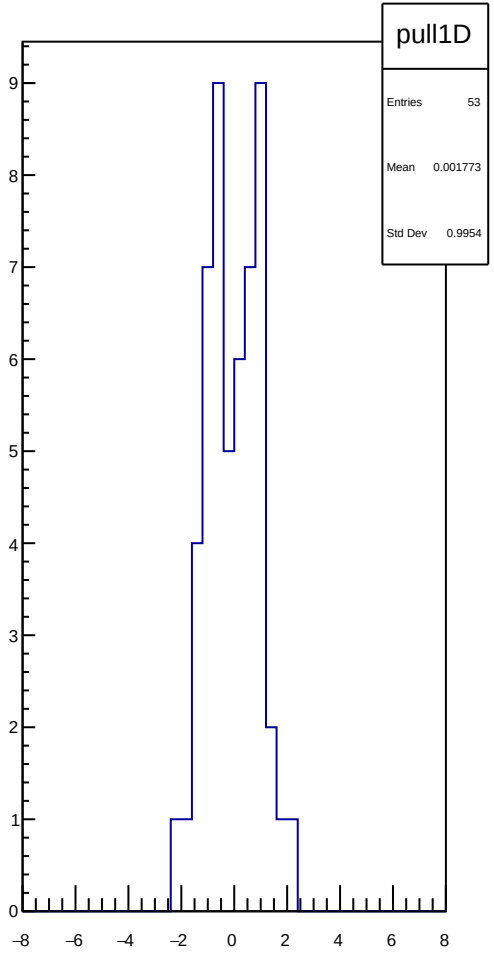

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 77.41 / 52
p0 2.206 ± 0.05108
pull
Entries 53
Mean −1038
Std Dev 1061

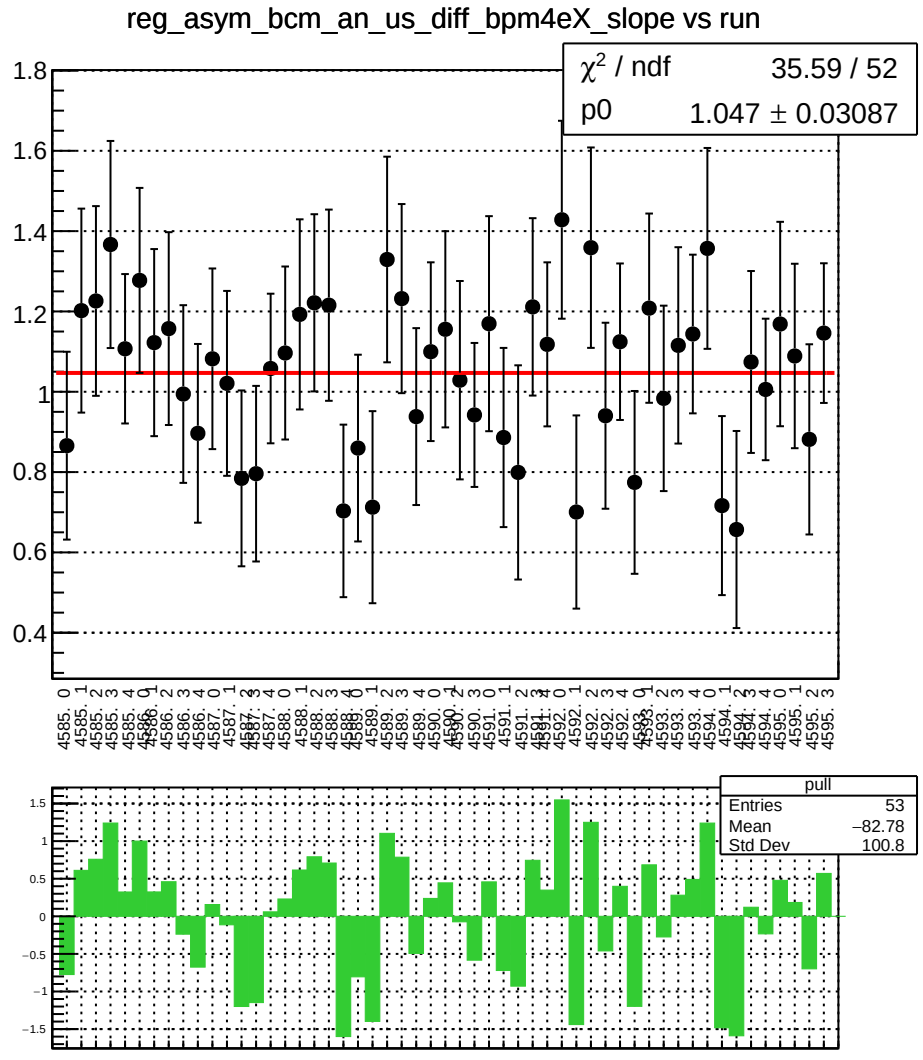

pull1D
Entries 53
Mean 0.003485
Std Dev 1.209

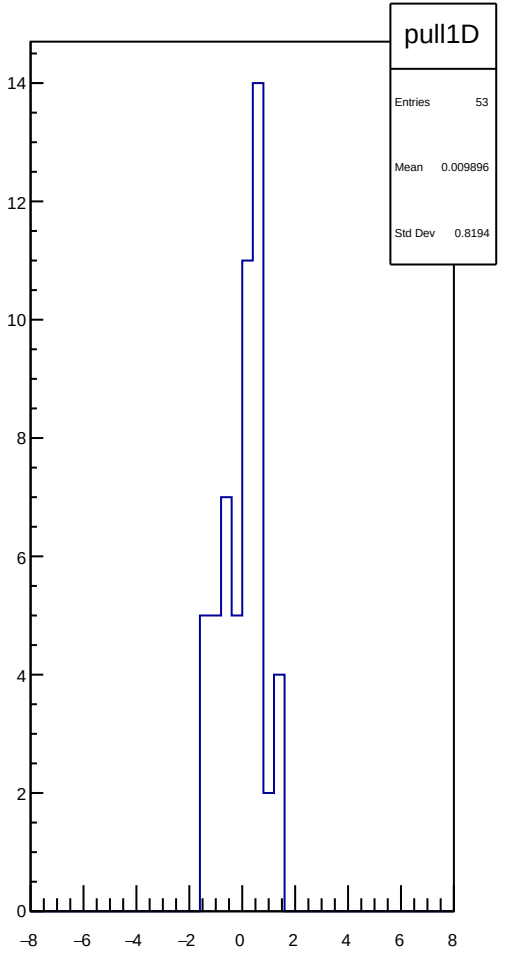

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 73.33 / 52
p0 −2.386 ± 0.1535
pull
Entries 53
Mean 91.78
Std Dev 65.03

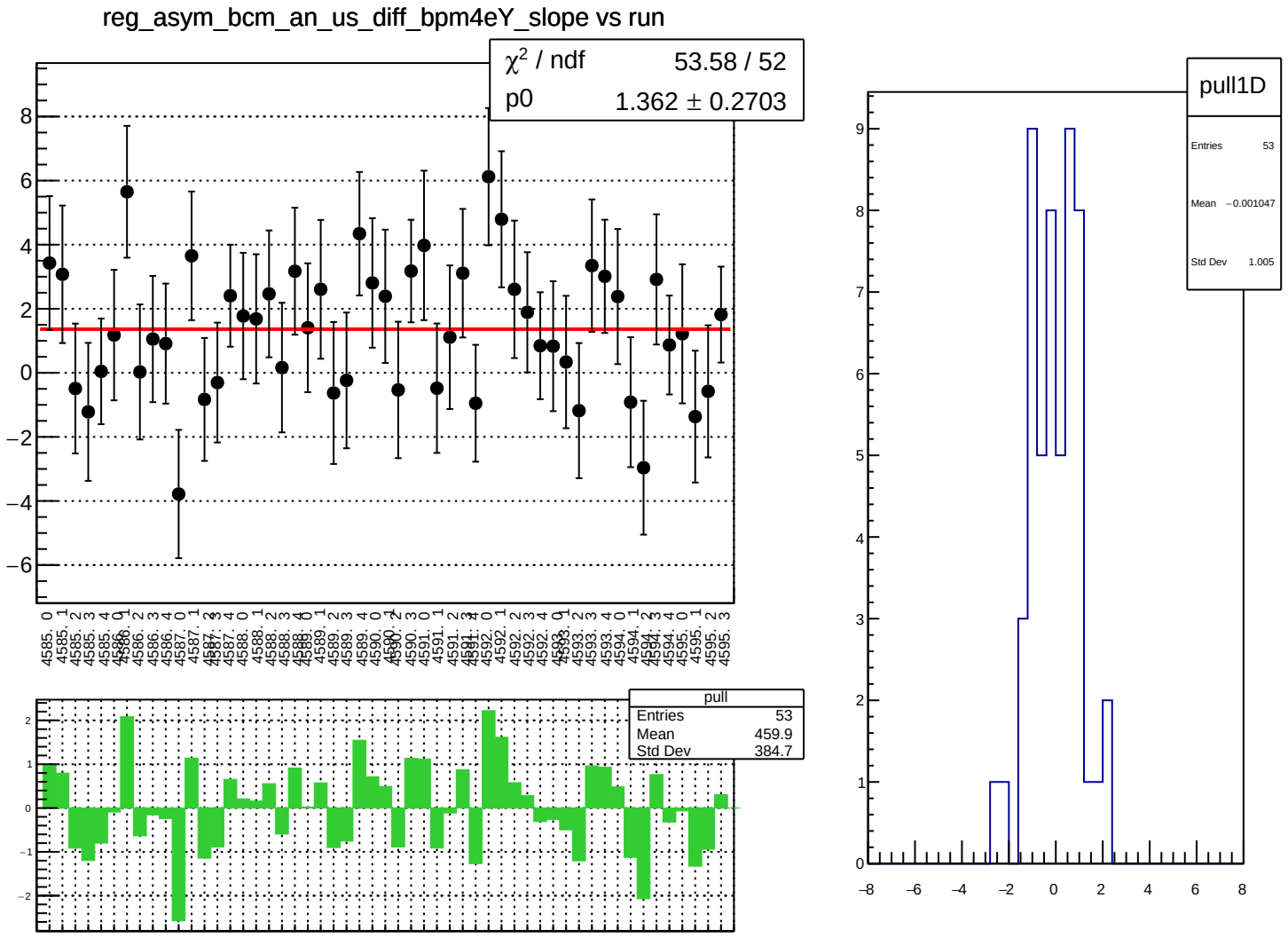

pull1D
Entries 53
Mean −0.02865
Std Dev 1.176

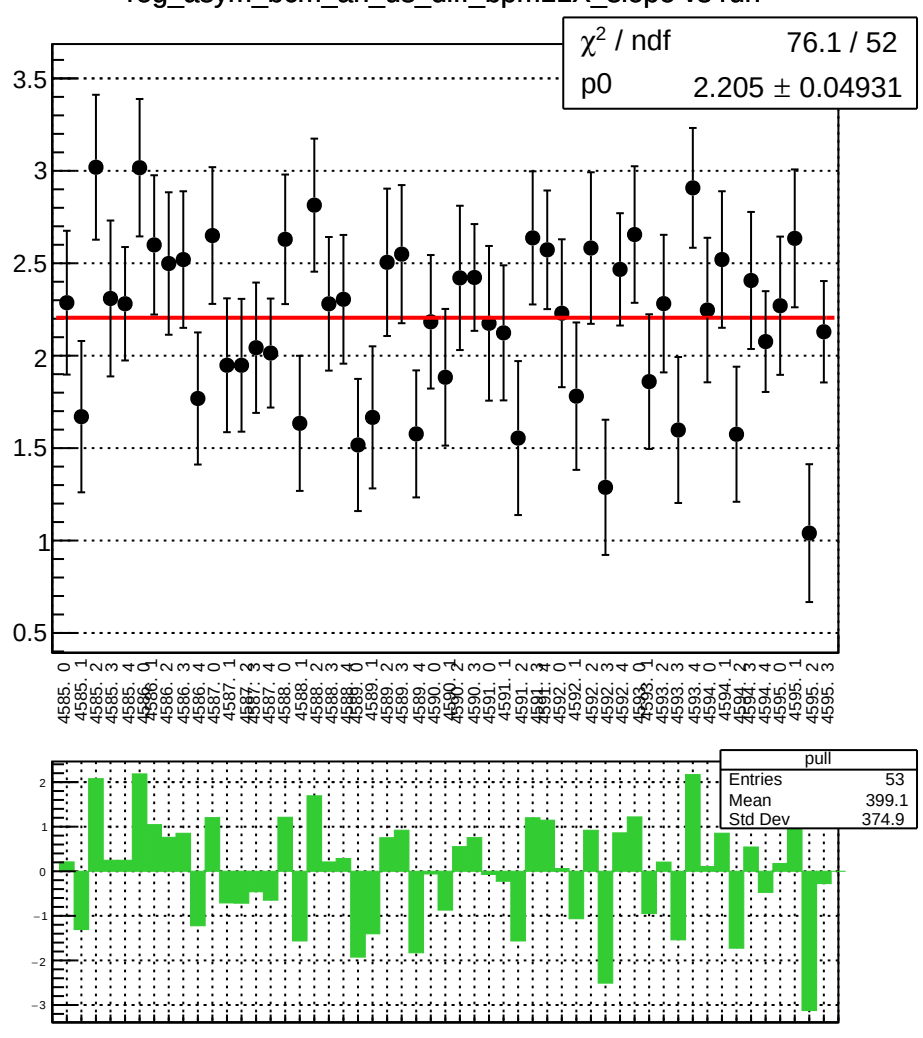

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 52.51 / 52
p0 −1.176 ± 0.1989
pull
Entries 53
Mean −149.7
Std Dev 103.4

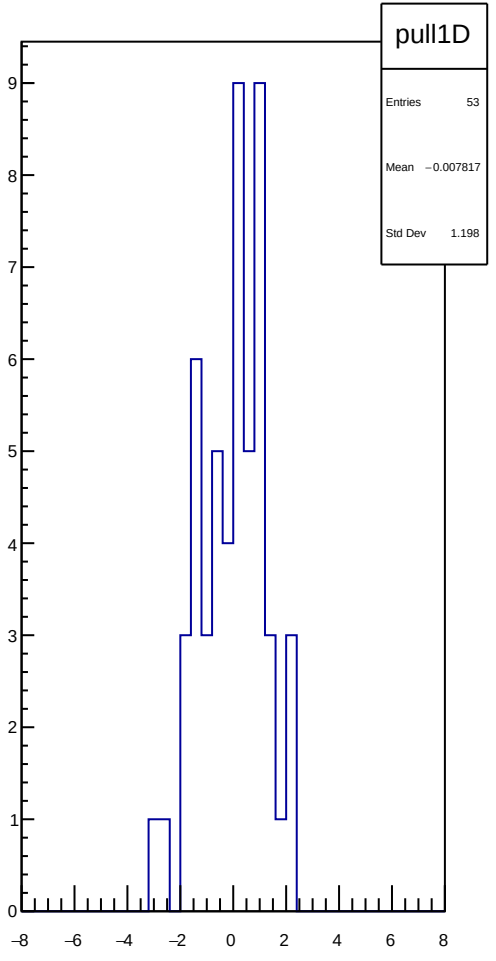

pull1D
Entries 53
Mean 0.001773
Std Dev 0.9954

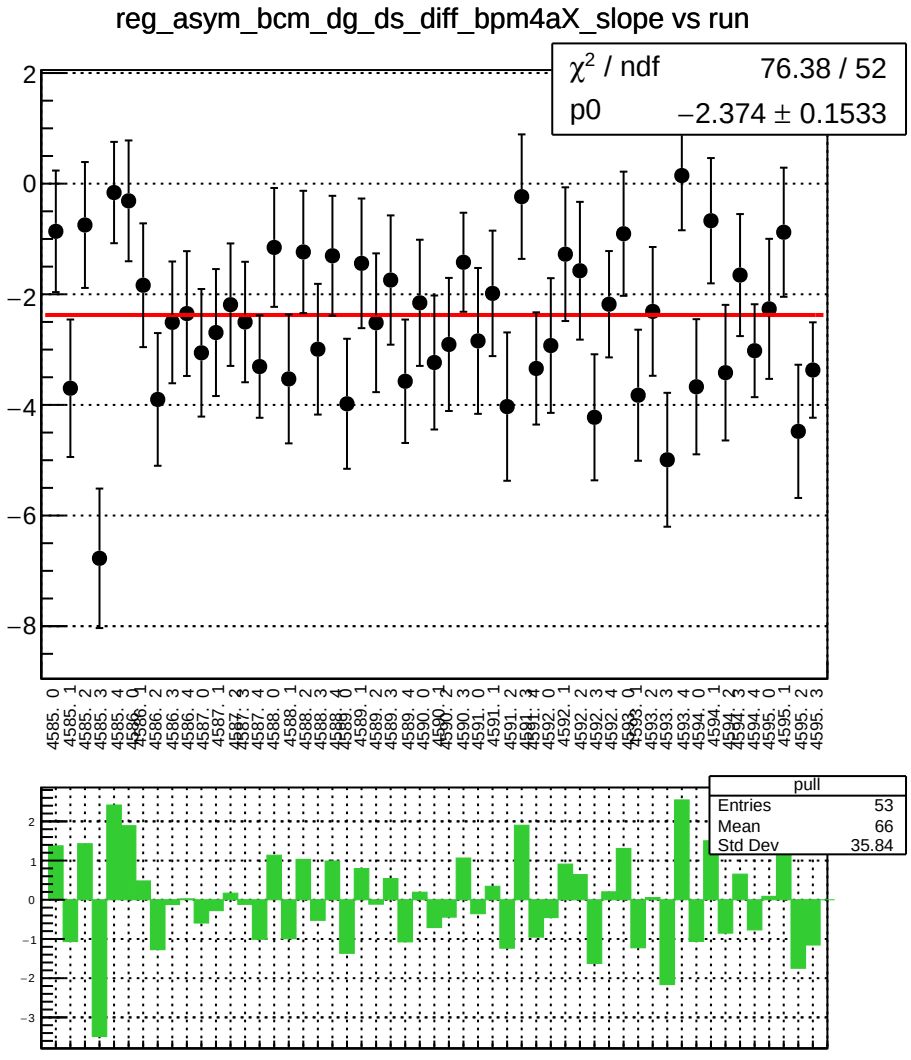

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 35.59 / 52
p0 1.047 ± 0.03087
pull
Entries 53
Mean −82.78
Std Dev 100.8

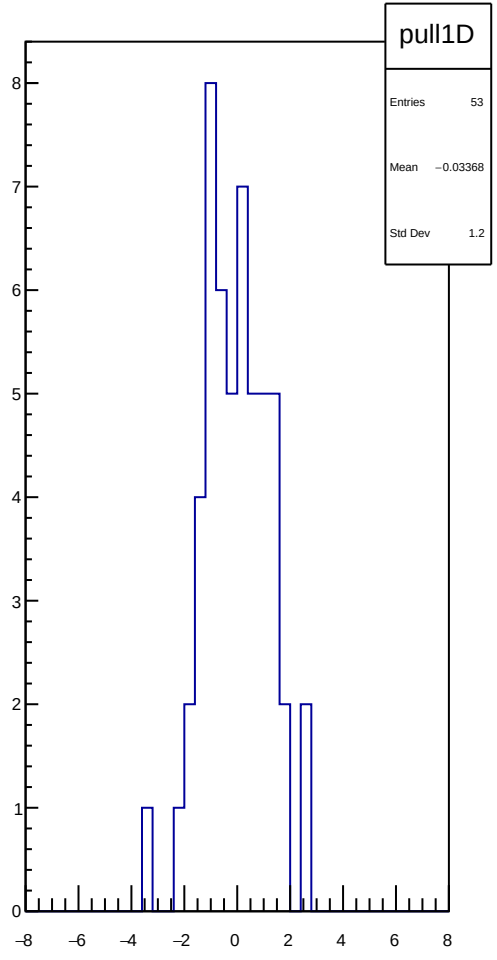

pull1D
Entries 53
Mean 0.009896
Std Dev 0.8194

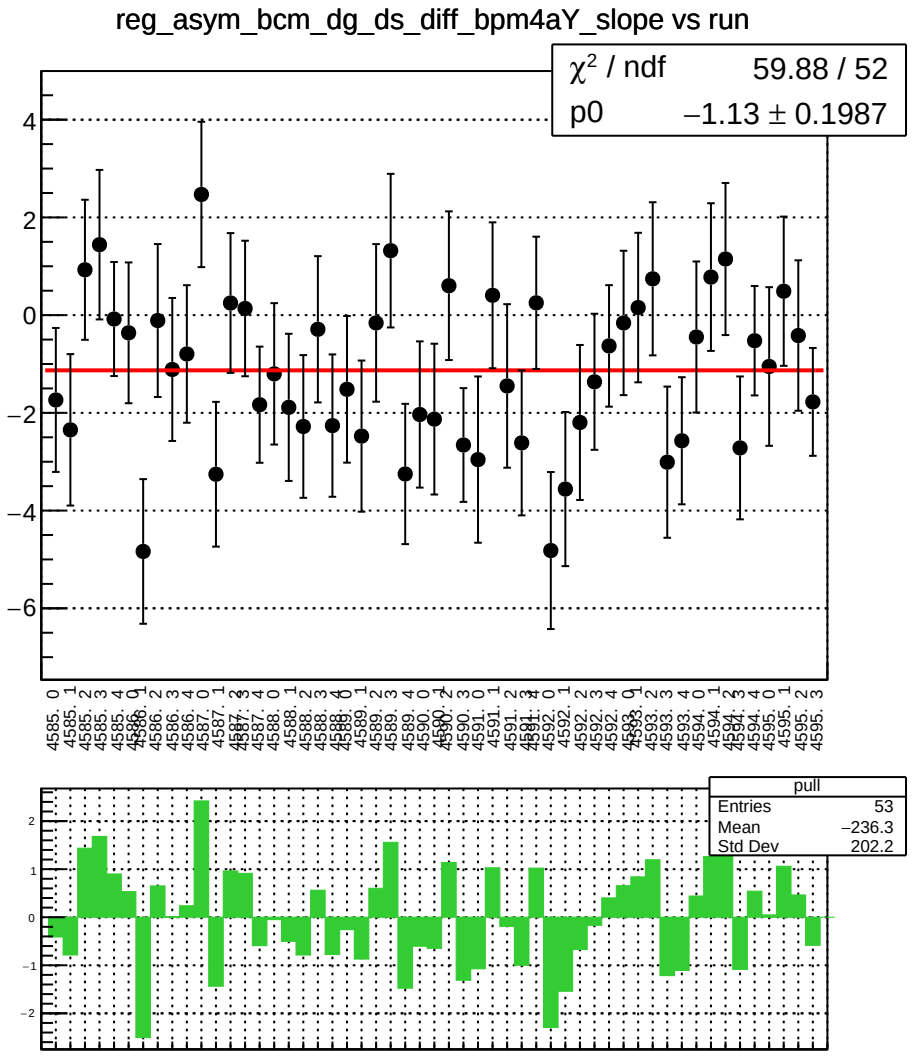

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 53.58 / 52
p0 1.362 ± 0.2703
pull
Entries 53
Mean 459.9
Std Dev 384.7
pull1D
Entries 53
Mean −0.001047
Std Dev 1.005

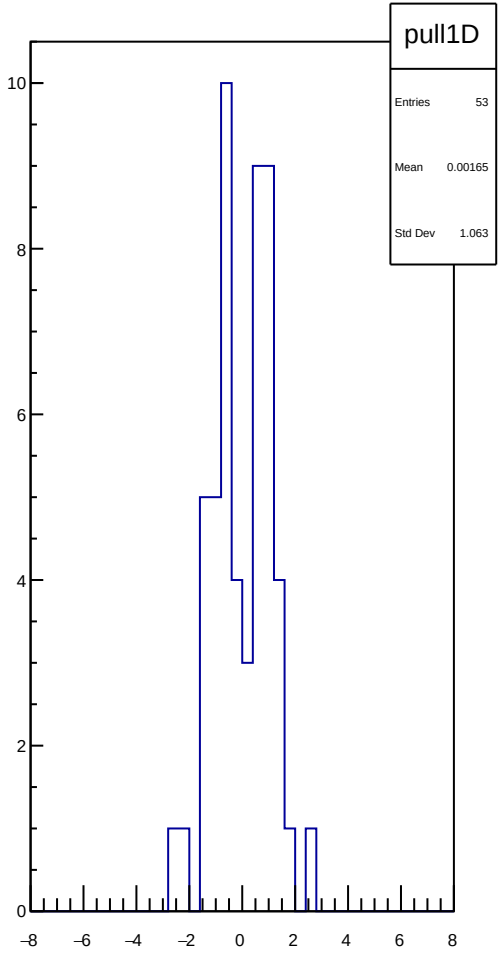

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 76.1 / 52
p0 2.205 ± 0.04931
pull
Entries 53
Mean 399.1
Std Dev 374.9

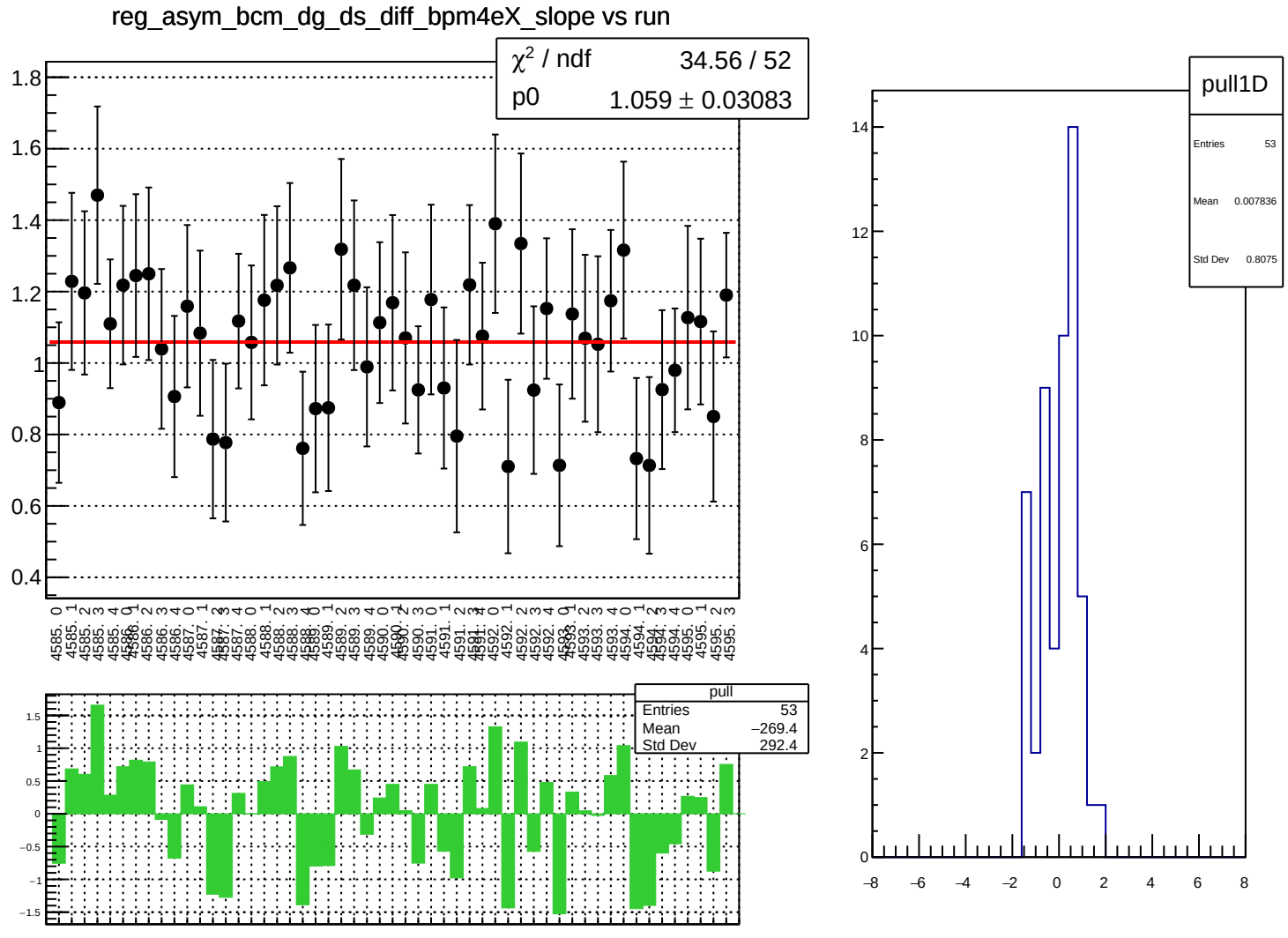

pull1D
Entries 53
Mean −0.007817
Std Dev 1.198

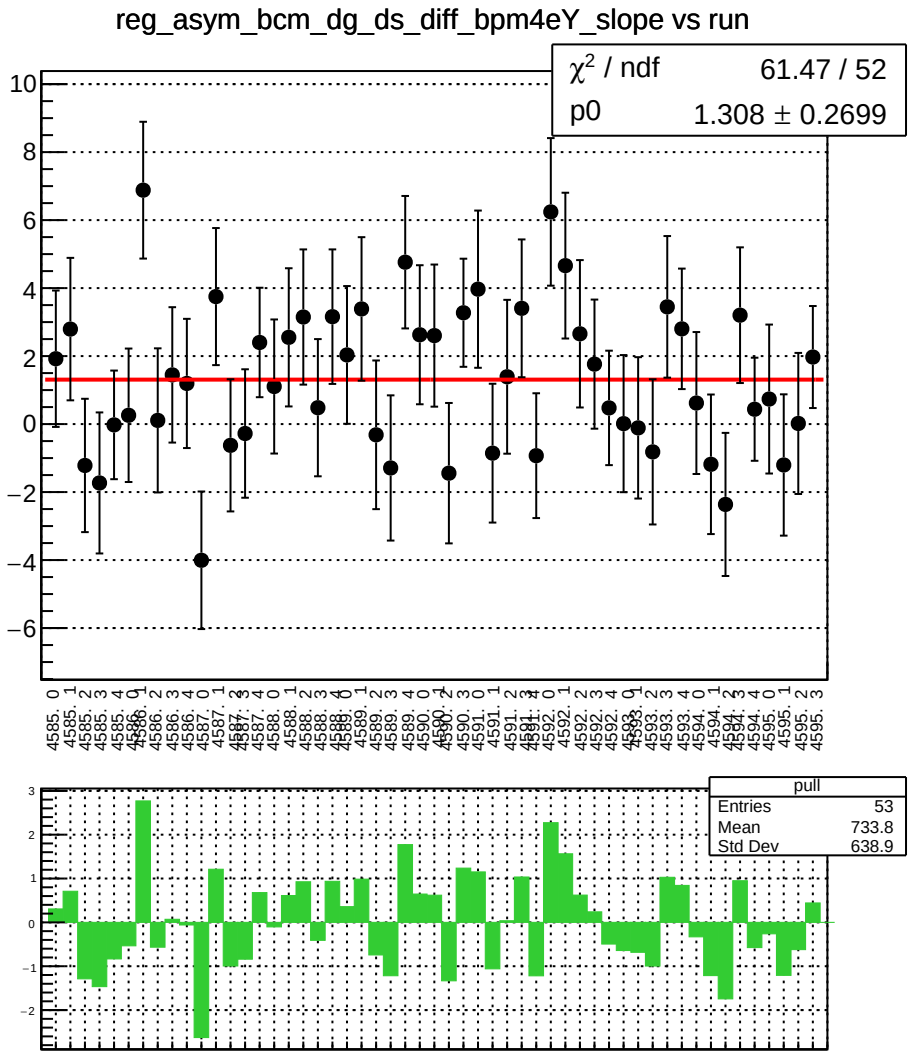

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 76.38 / 52
p0 −2.374 ± 0.1533
pull
Entries 53
Mean 66
Std Dev 35.84

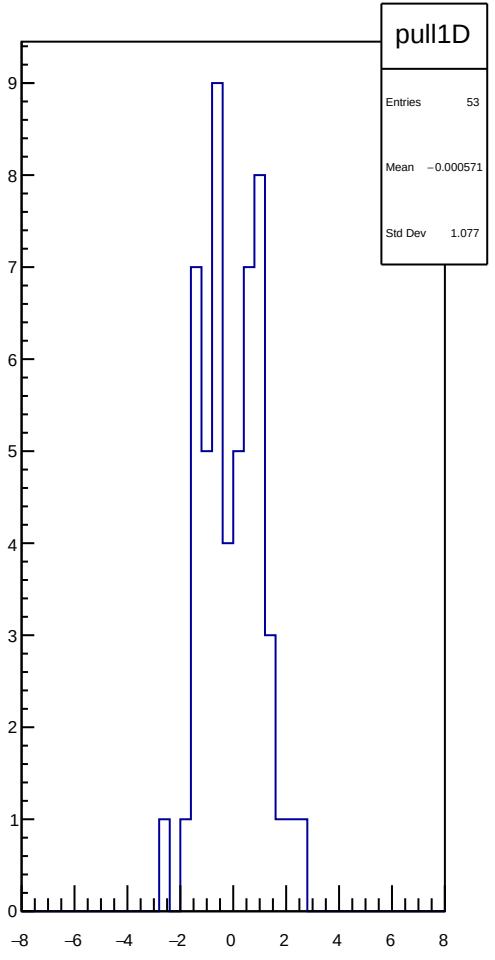

pull1D
Entries 53
Mean −0.03368
Std Dev 1.2

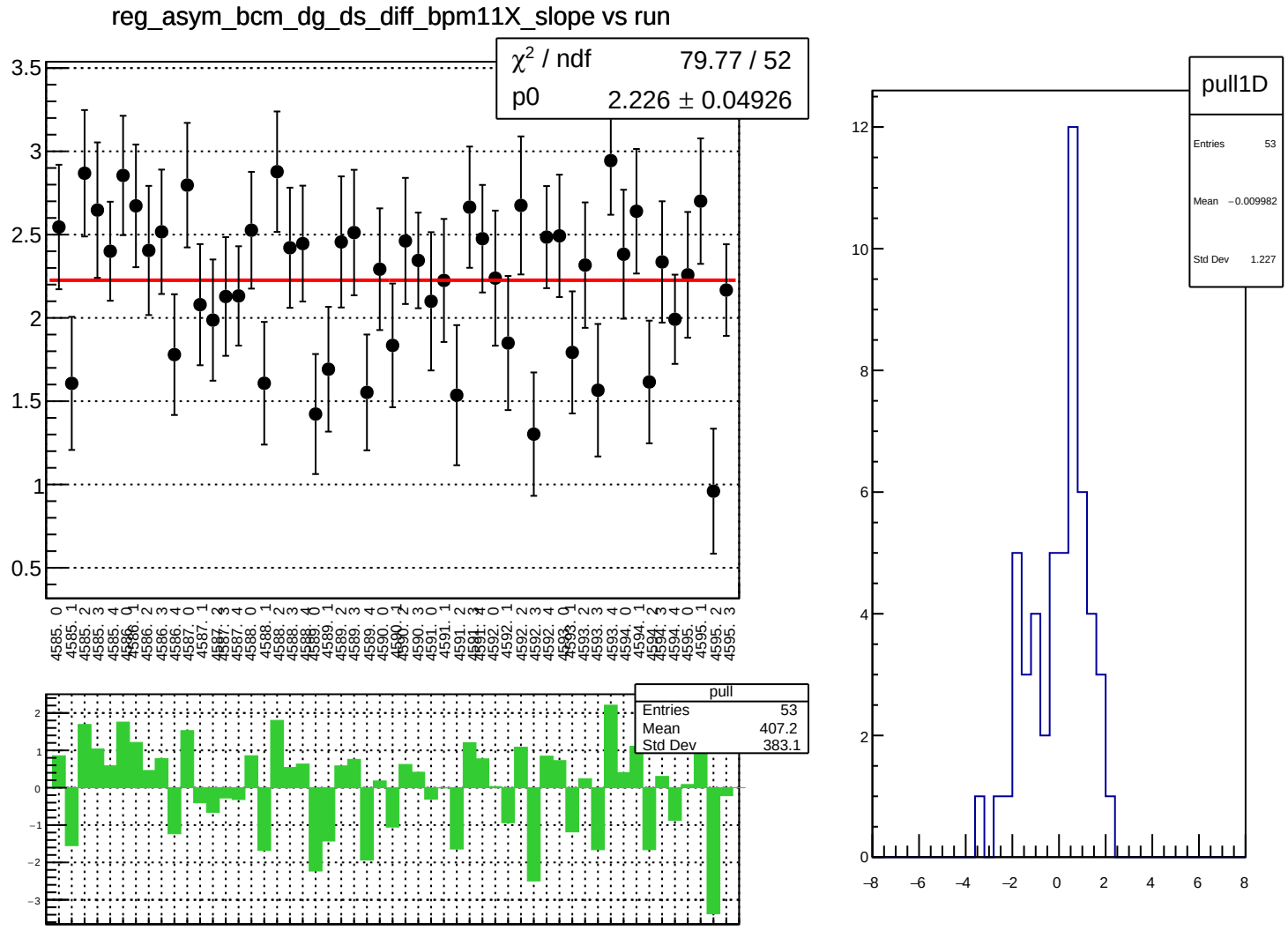

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 59.88 / 52
p0 −1.13 ± 0.1987
pull
Entries 53
Mean −236.3
Std Dev 202.2

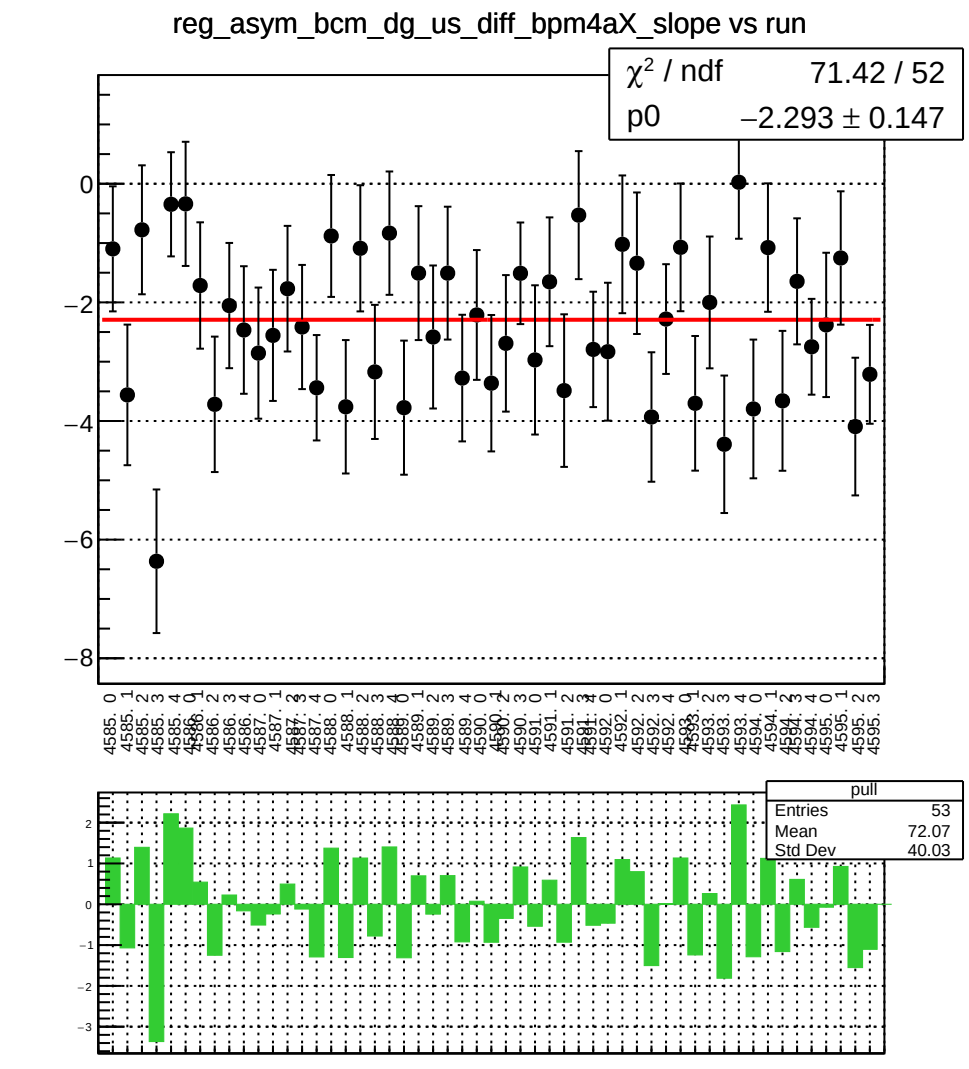

pull1D
Entries 53
Mean 0.00165
Std Dev 1.063

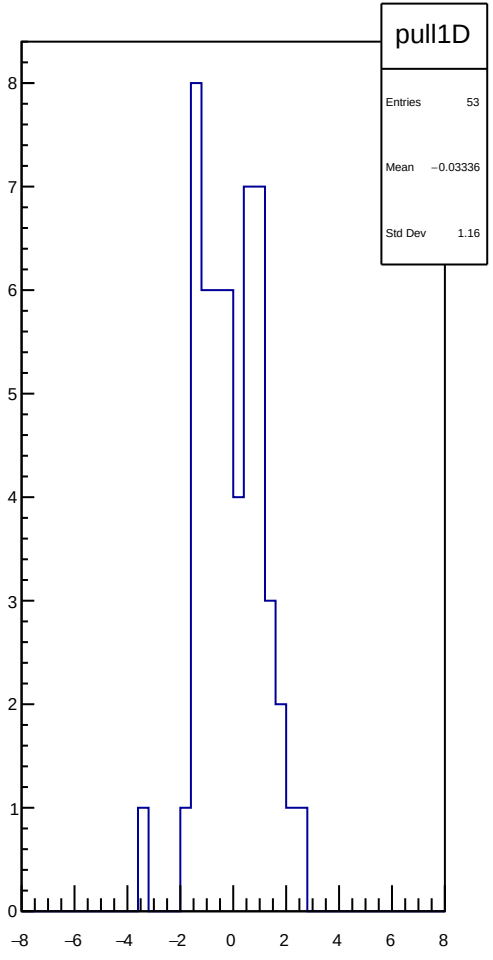

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 34.56 / 52
p0 1.059 ± 0.03083
pull
Entries 53
Mean −269.4
Std Dev 292.4
pull1D
Entries 53
Mean 0.007836
Std Dev 0.8075

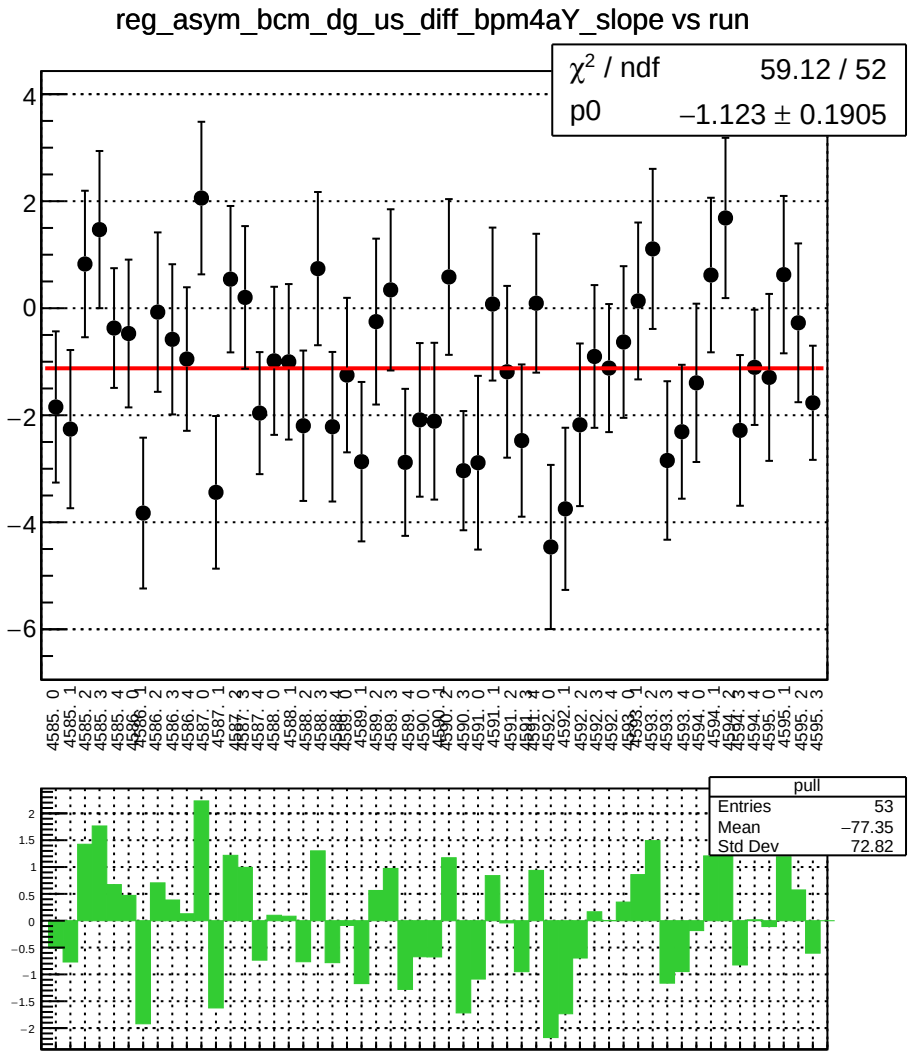

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 61.47 / 52
p0 1.308 ± 0.2699
pull
Entries 53
Mean 733.8
Std Dev 638.9

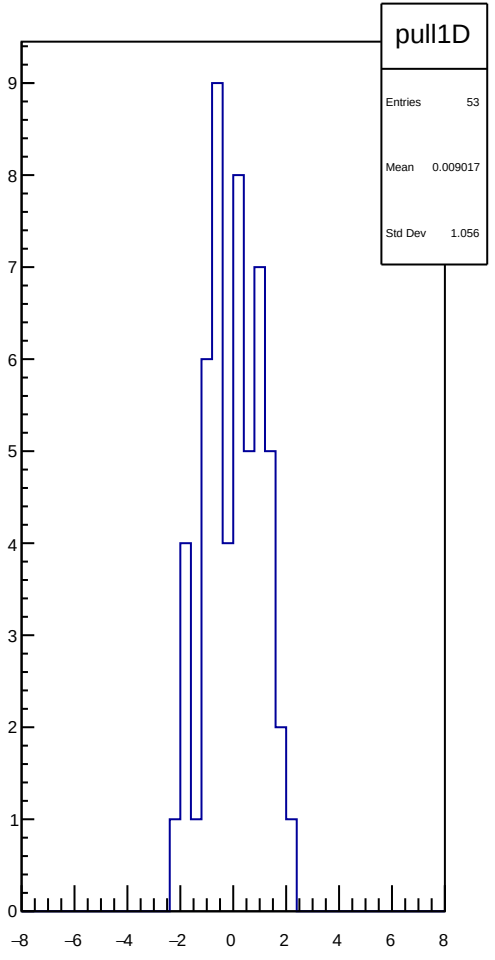

pull1D
Entries 53
Mean −0.000571
Std Dev 1.077

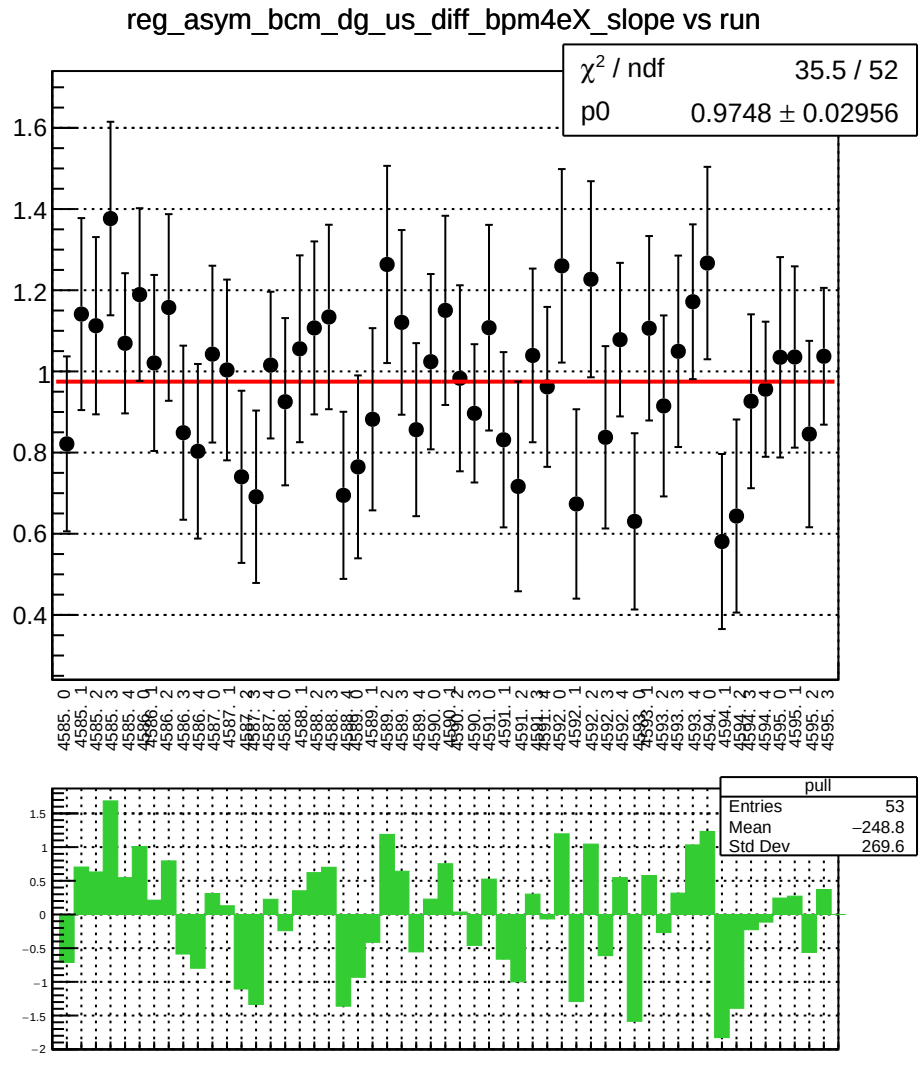

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 79.77 / 52
p0 2.226 ± 0.04926
pull
Entries 53
Mean 407.2
Std Dev 383.1
pull1D
Entries 53
Mean −0.009982
Std Dev 1.227

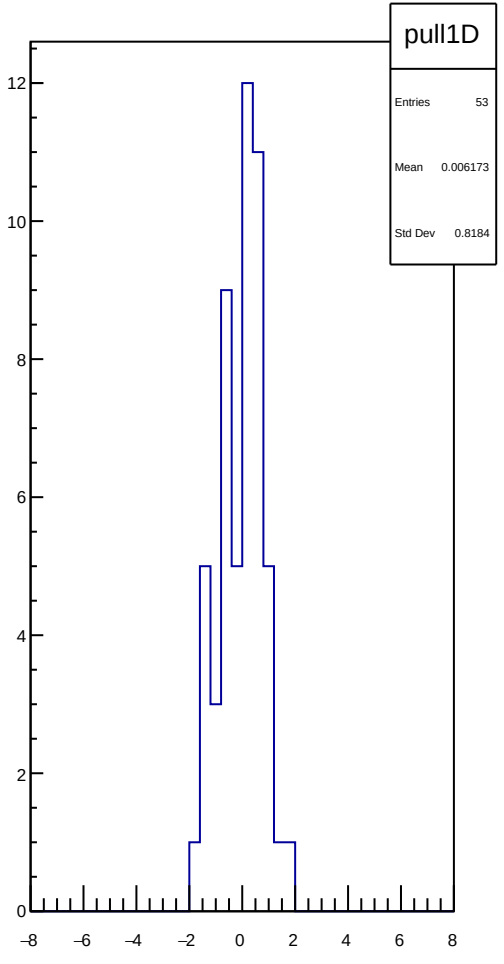

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 71.42 / 52
p0 −2.293 ± 0.147
pull
Entries 53
Mean 72.07
Std Dev 40.03

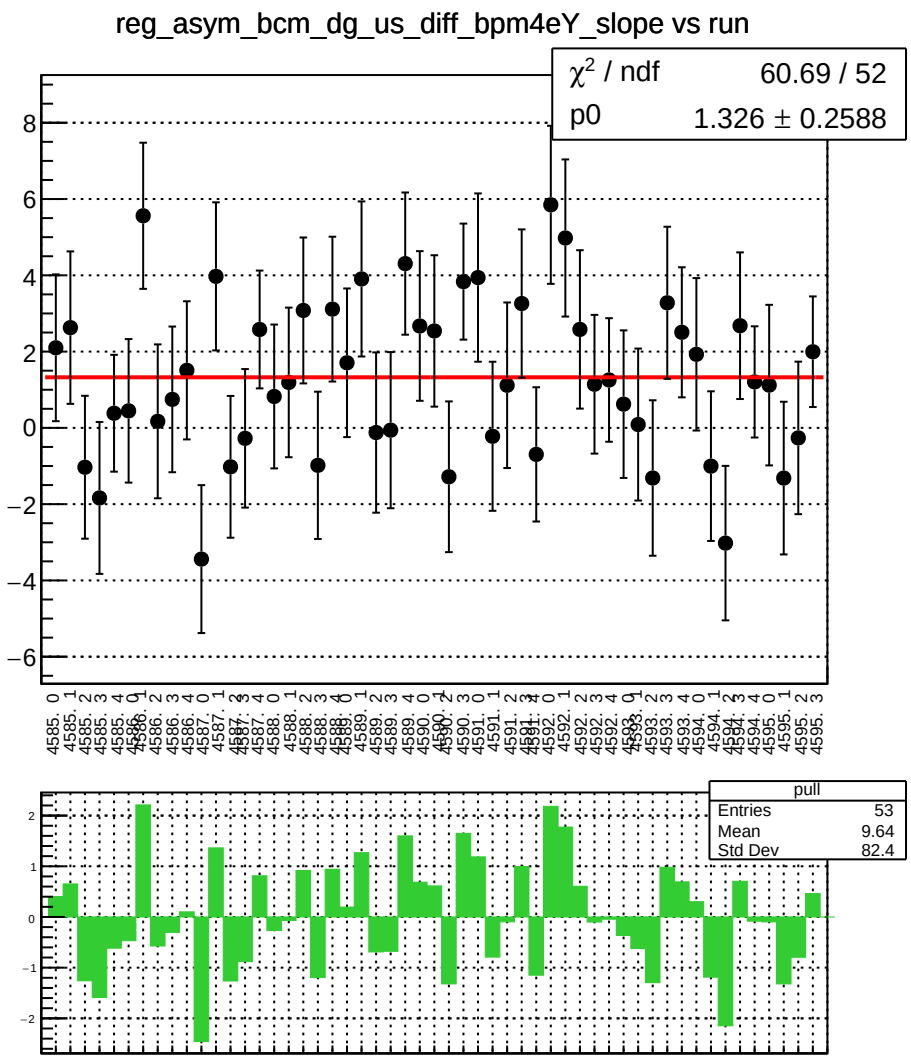

pull1D
Entries 53
Mean −0.03336
Std Dev 1.16

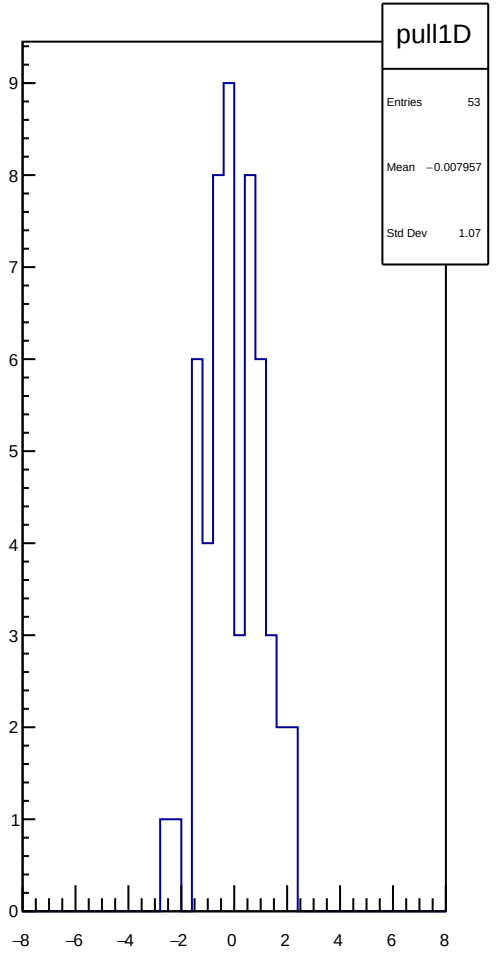

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 59.12 / 52
p0 −1.123 ± 0.1905
pull
Entries 53
Mean −77.35
Std Dev 72.82

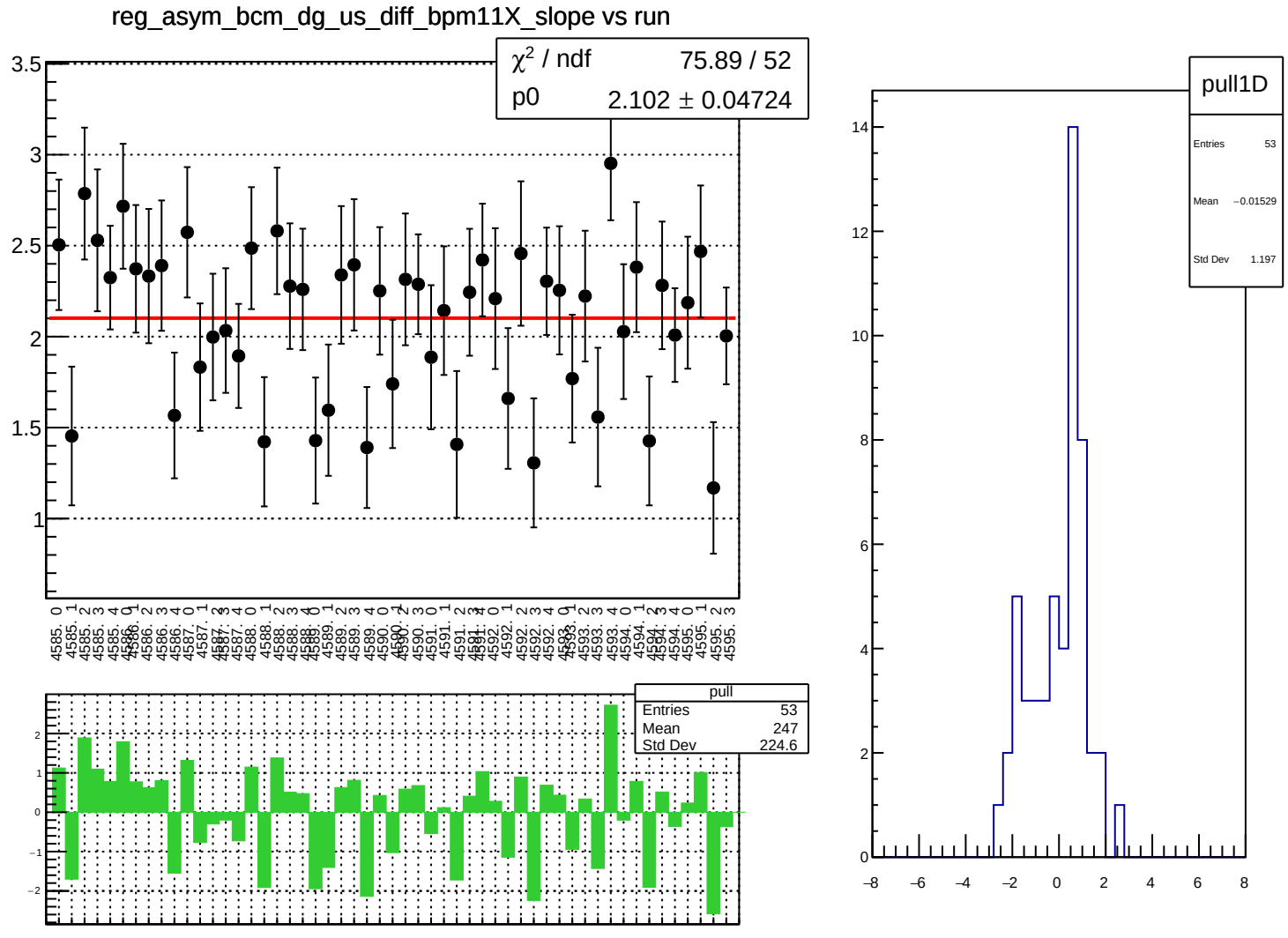

pull1D
Entries 53
Mean 0.009017
Std Dev 1.056

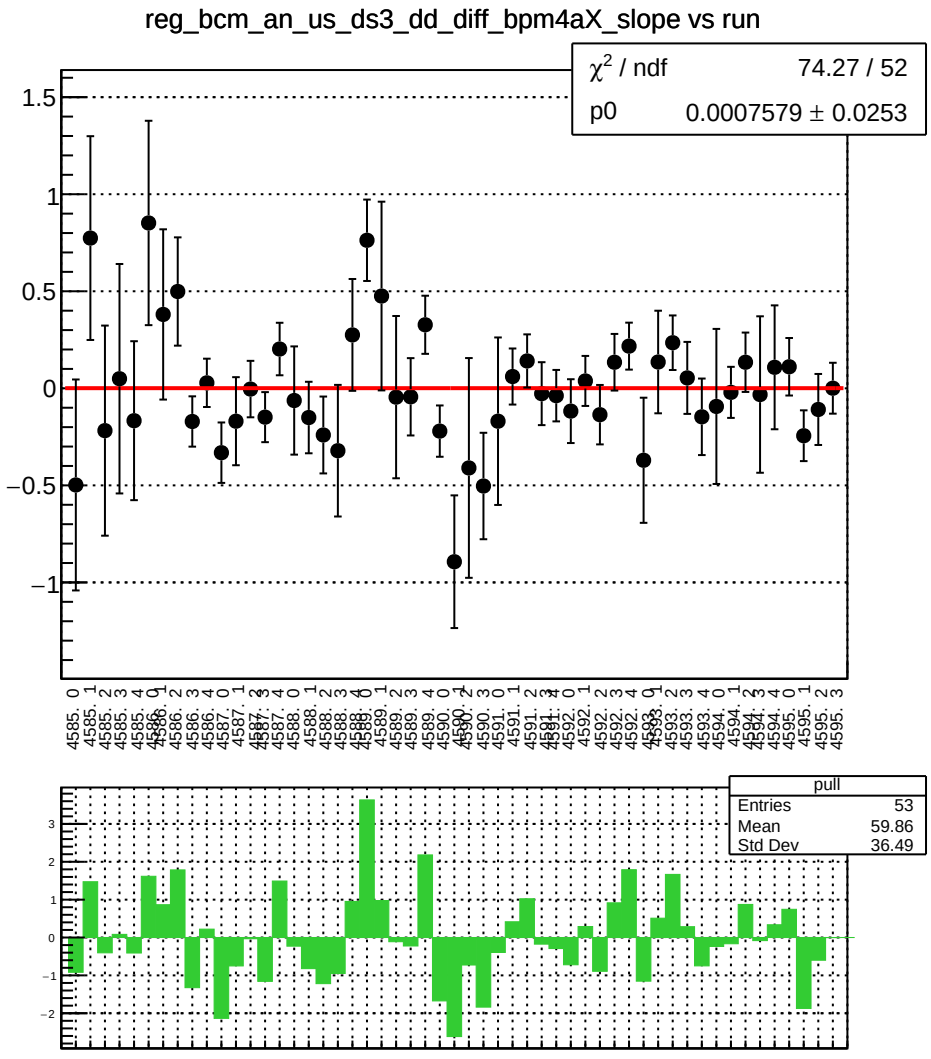

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 35.5 / 52
p0 0.9748 ± 0.02956
pull
Entries 53
Mean −248.8
Std Dev 269.6

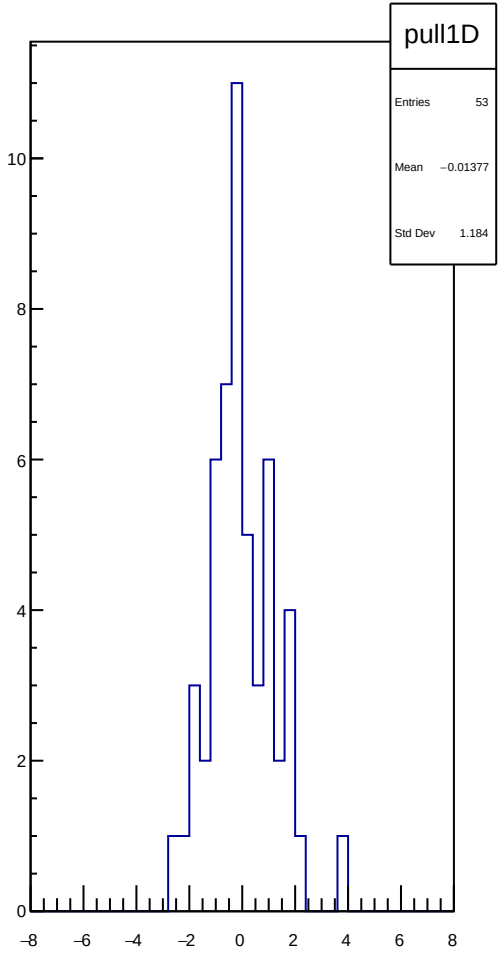

pull1D
Entries 53
Mean 0.006173
Std Dev 0.8184

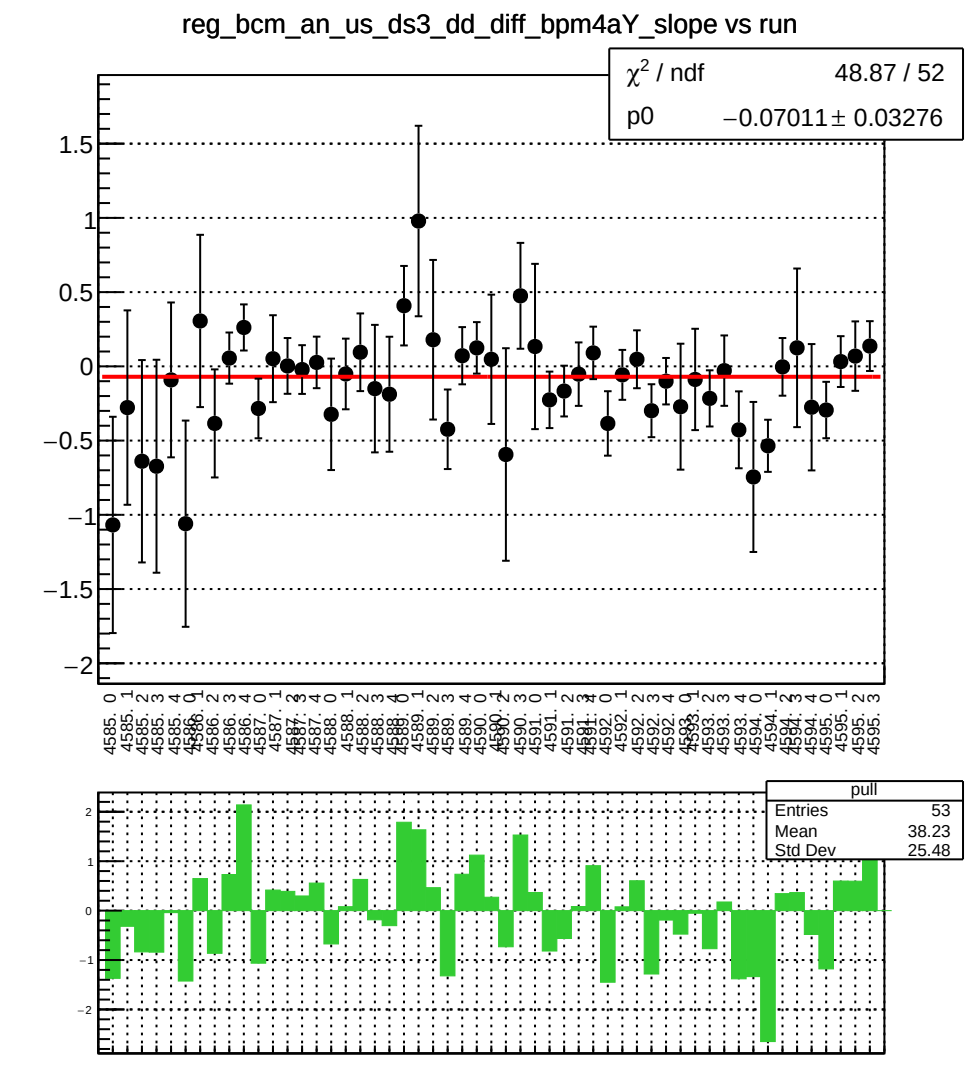

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 60.69 / 52
p0 1.326 ± 0.2588
pull
Entries 53
Mean 9.64
Std Dev 82.4

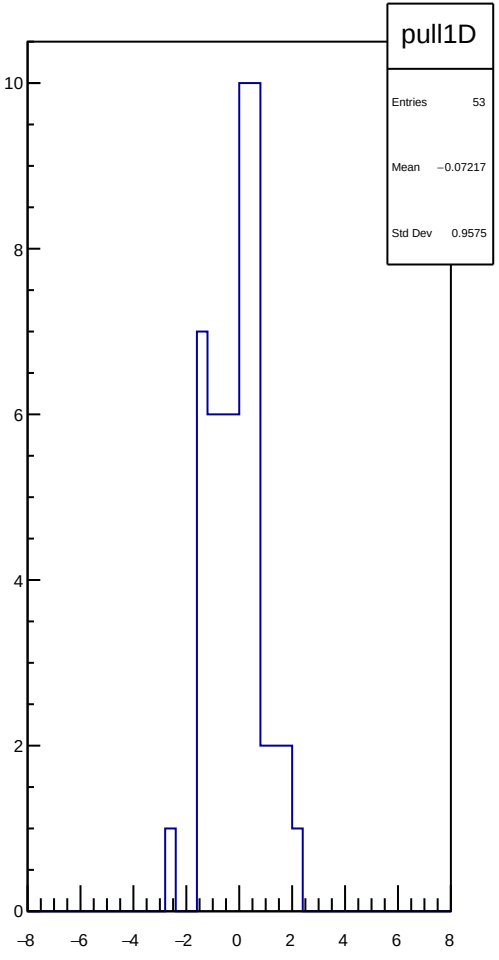

pull1D
Entries 53
Mean −0.007957
Std Dev 1.07

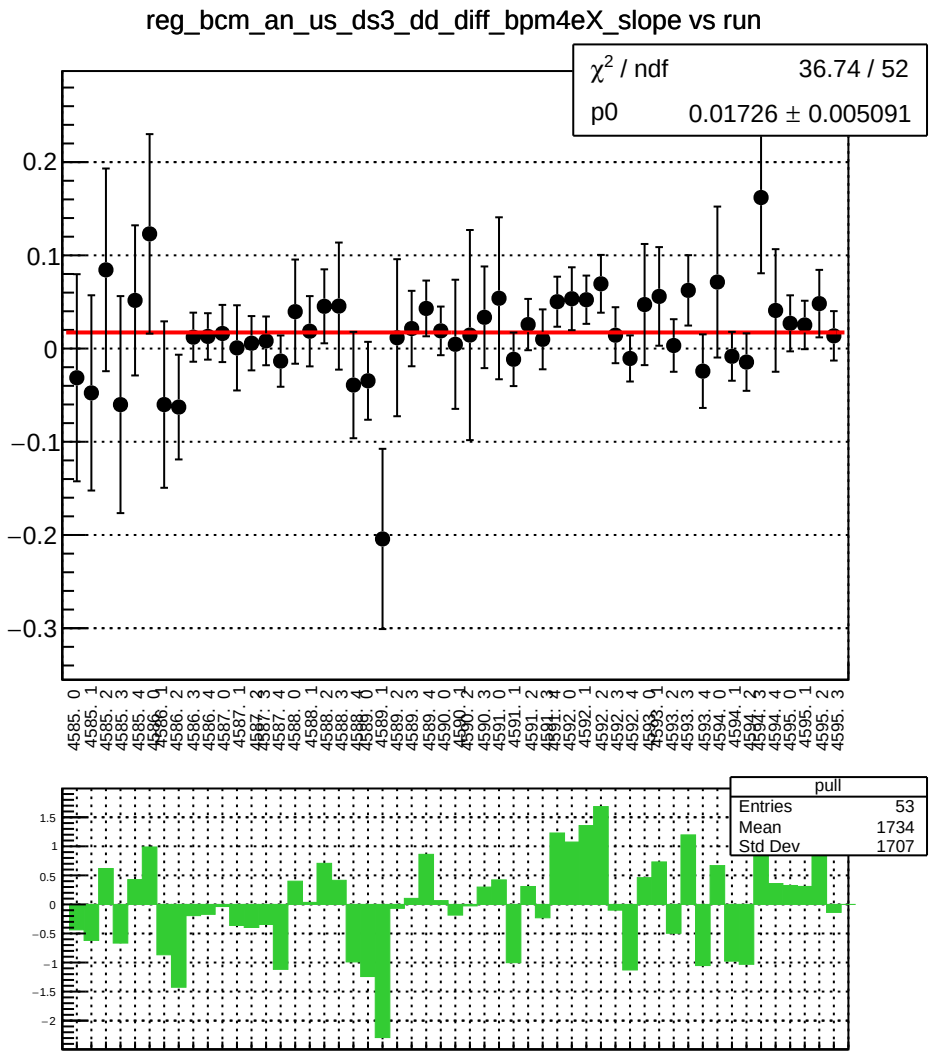

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 75.89 / 52
p0 2.102 ± 0.04724
pull
Entries 53
Mean 247
Std Dev 224.6
pull1D
Entries 53
Mean −0.01529
Std Dev 1.197

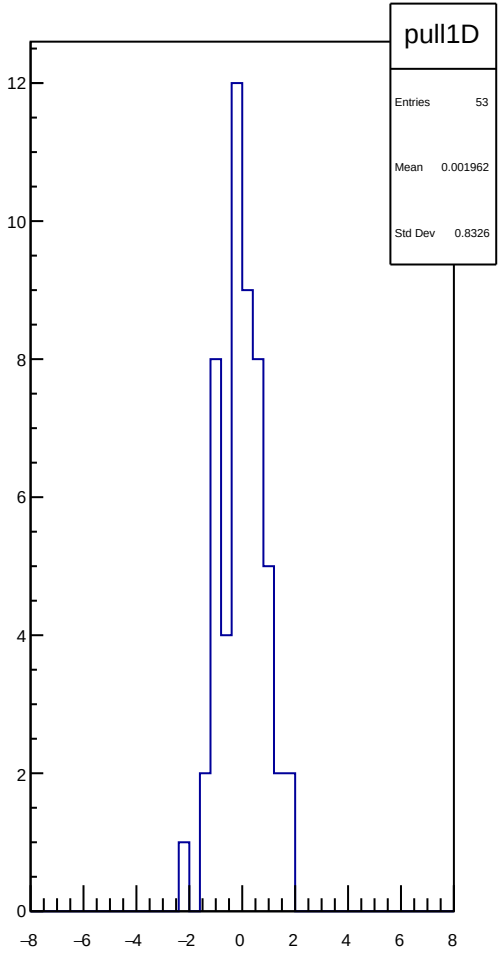

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 74.27 / 52
p0 0.0007579 ± 0.0253
pull
Entries 53
Mean 59.86
Std Dev 36.49

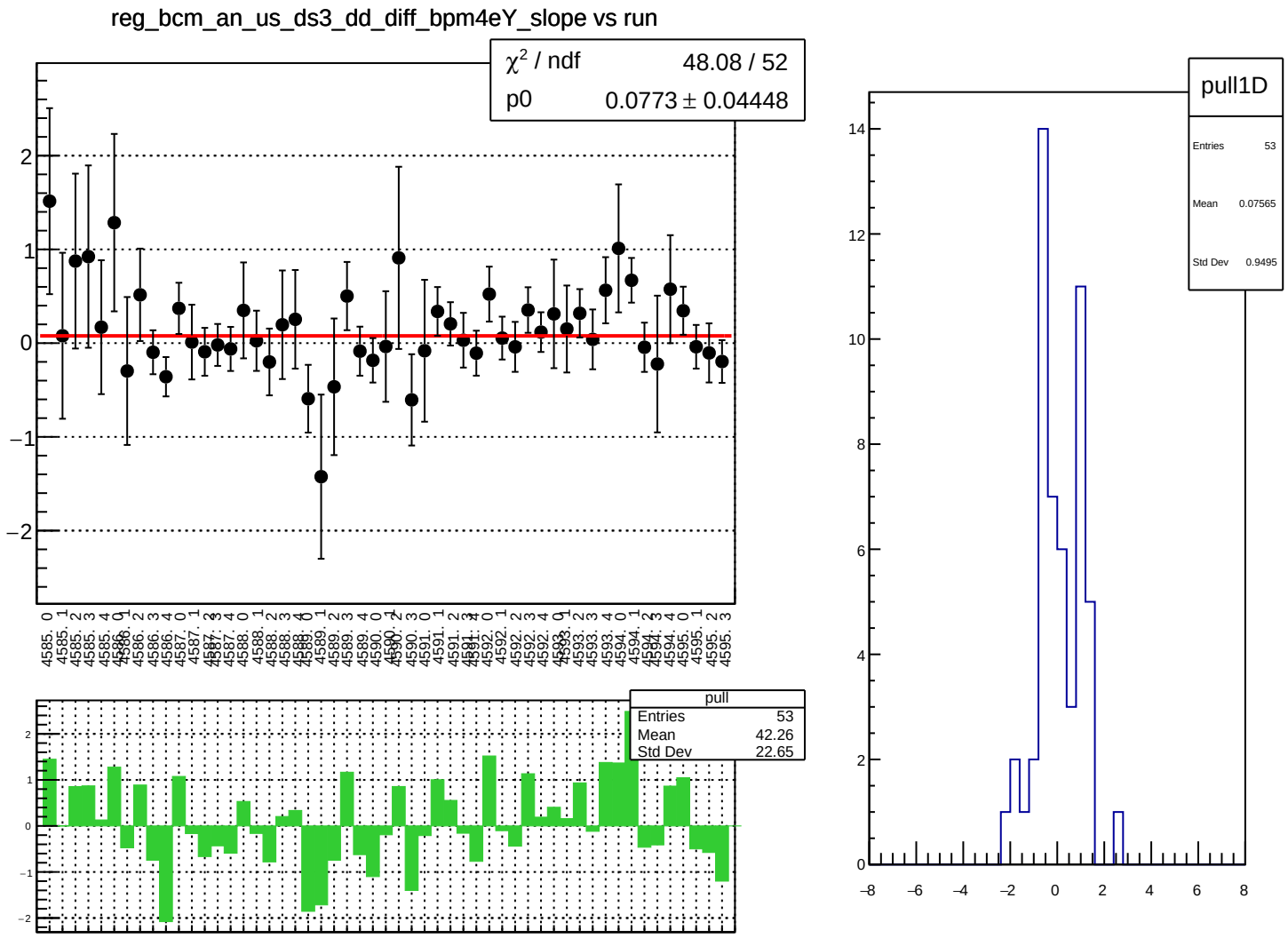

pull1D
Entries 53
Mean −0.01377
Std Dev 1.184

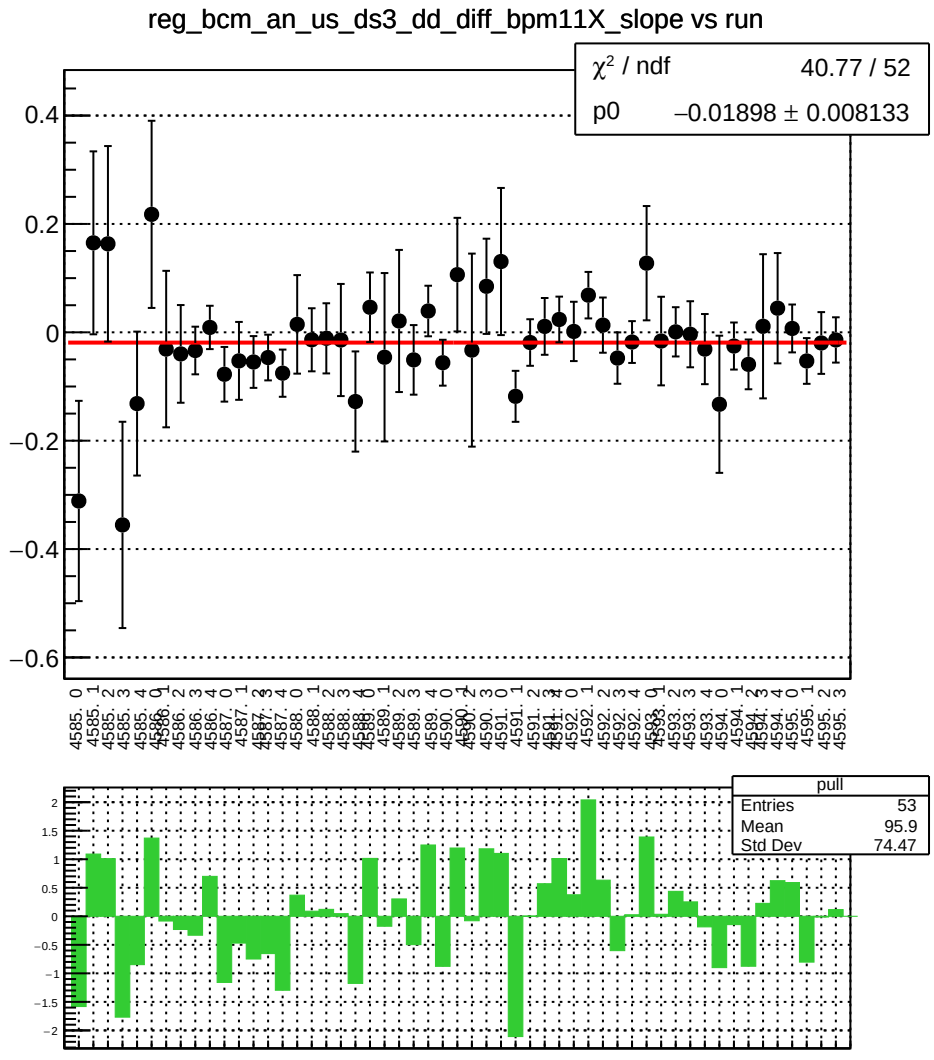

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.87 / 52
p0 −0.07011 ± 0.03276
pull
Entries 53
Mean 38.23
Std Dev 25.48

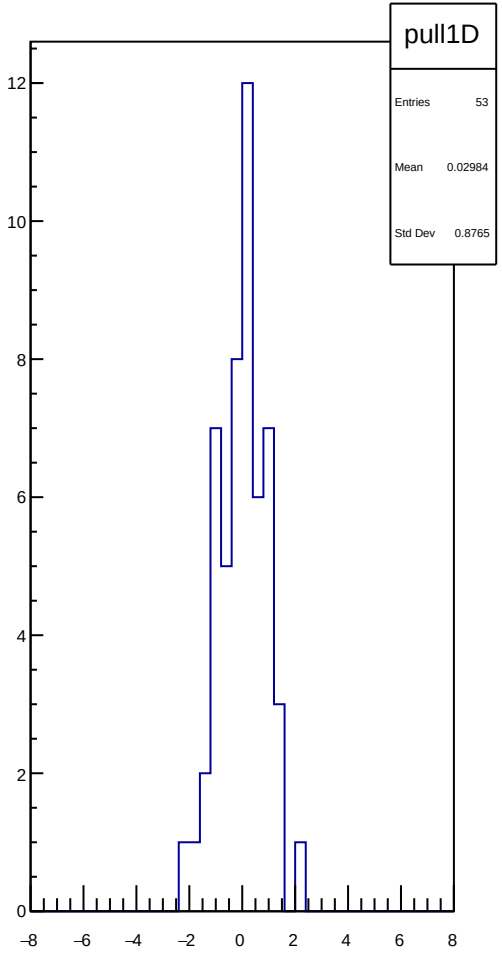

pull1D
Entries 53
Mean −0.07217
Std Dev 0.9575

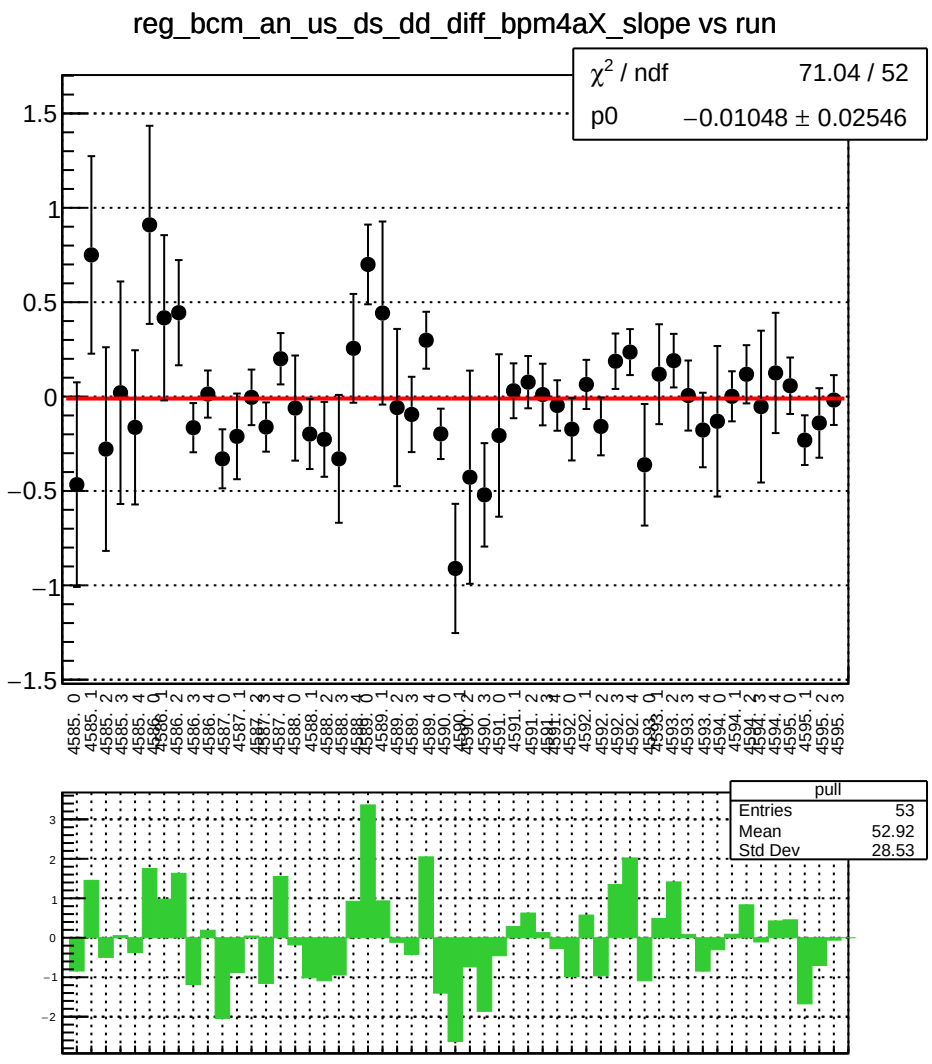

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.74 / 52
p0 0.01726 ± 0.005091
pull
Entries 53
Mean 1734
Std Dev 1707

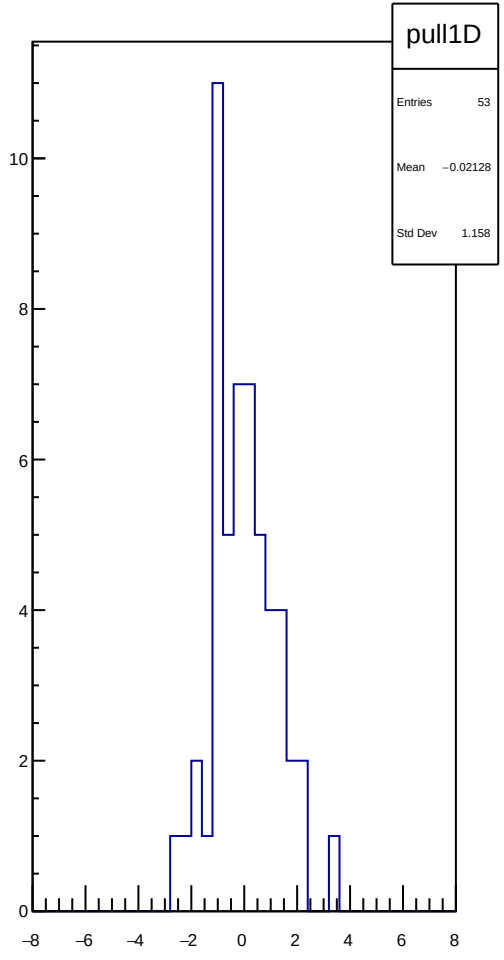

pull1D
Entries 53
Mean 0.001962
Std Dev 0.8326

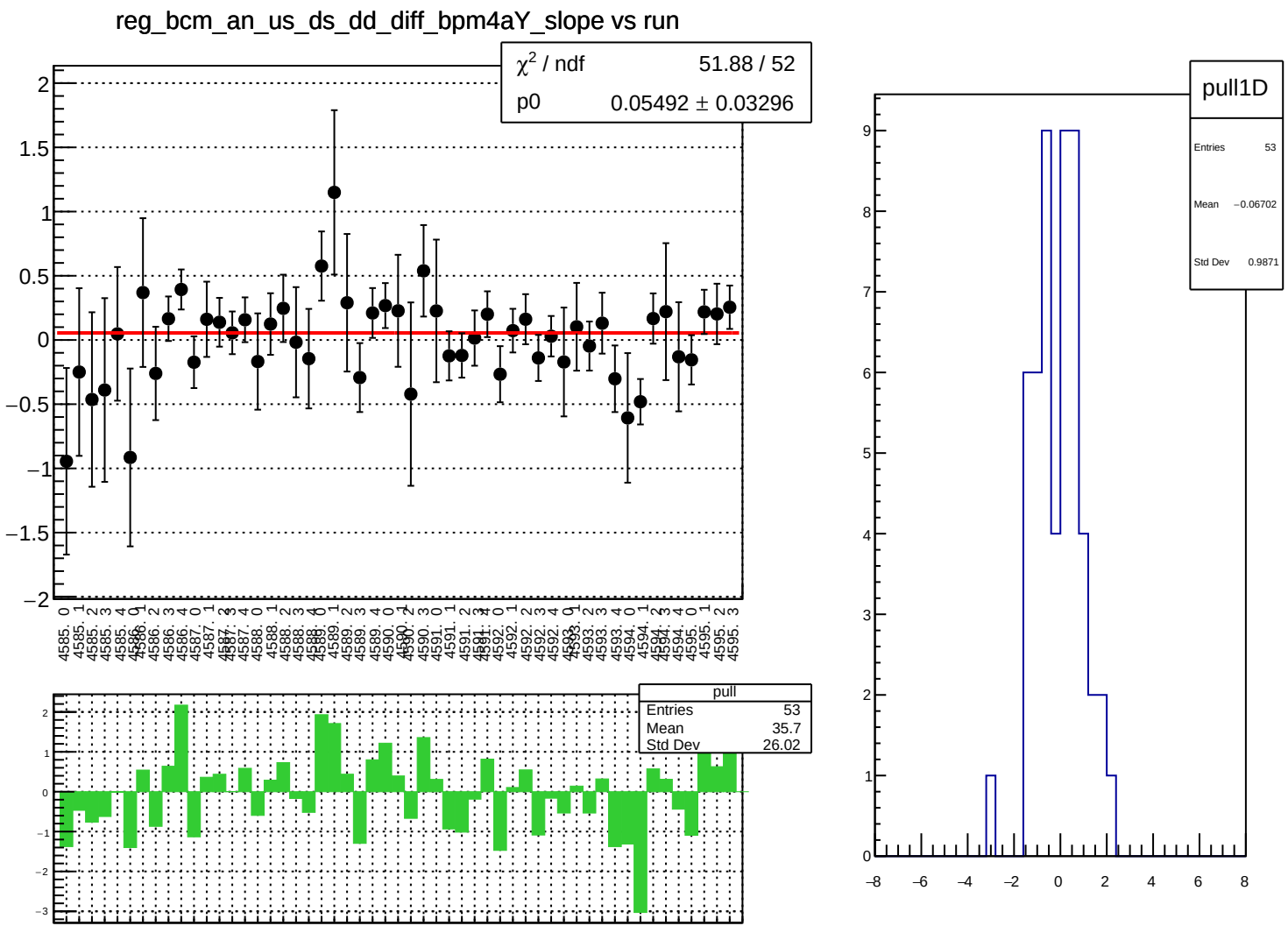

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.08 / 52
p0 0.0773 ± 0.04448
pull
Entries 53
Mean 42.26
Std Dev 22.65
pull1D
Entries 53
Mean 0.07565
Std Dev 0.9495

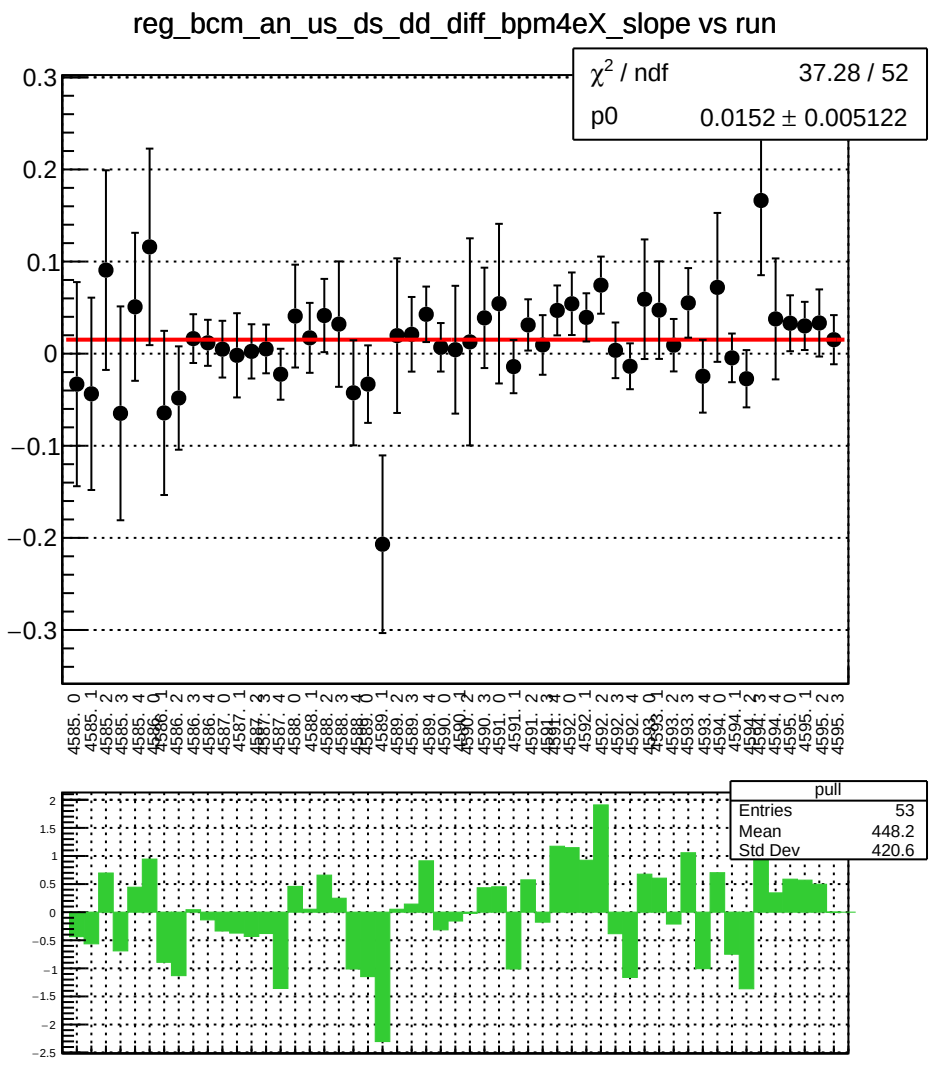

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 40.77 / 52
p0 −0.01898 ± 0.008133
pull
Entries 53
Mean 95.9
Std Dev 74.47

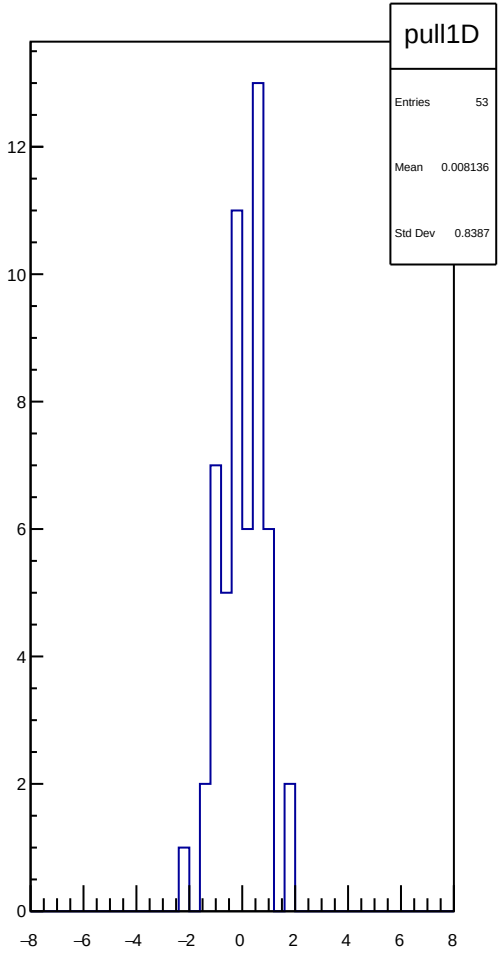

pull1D
Entries 53
Mean 0.02984
Std Dev 0.8765

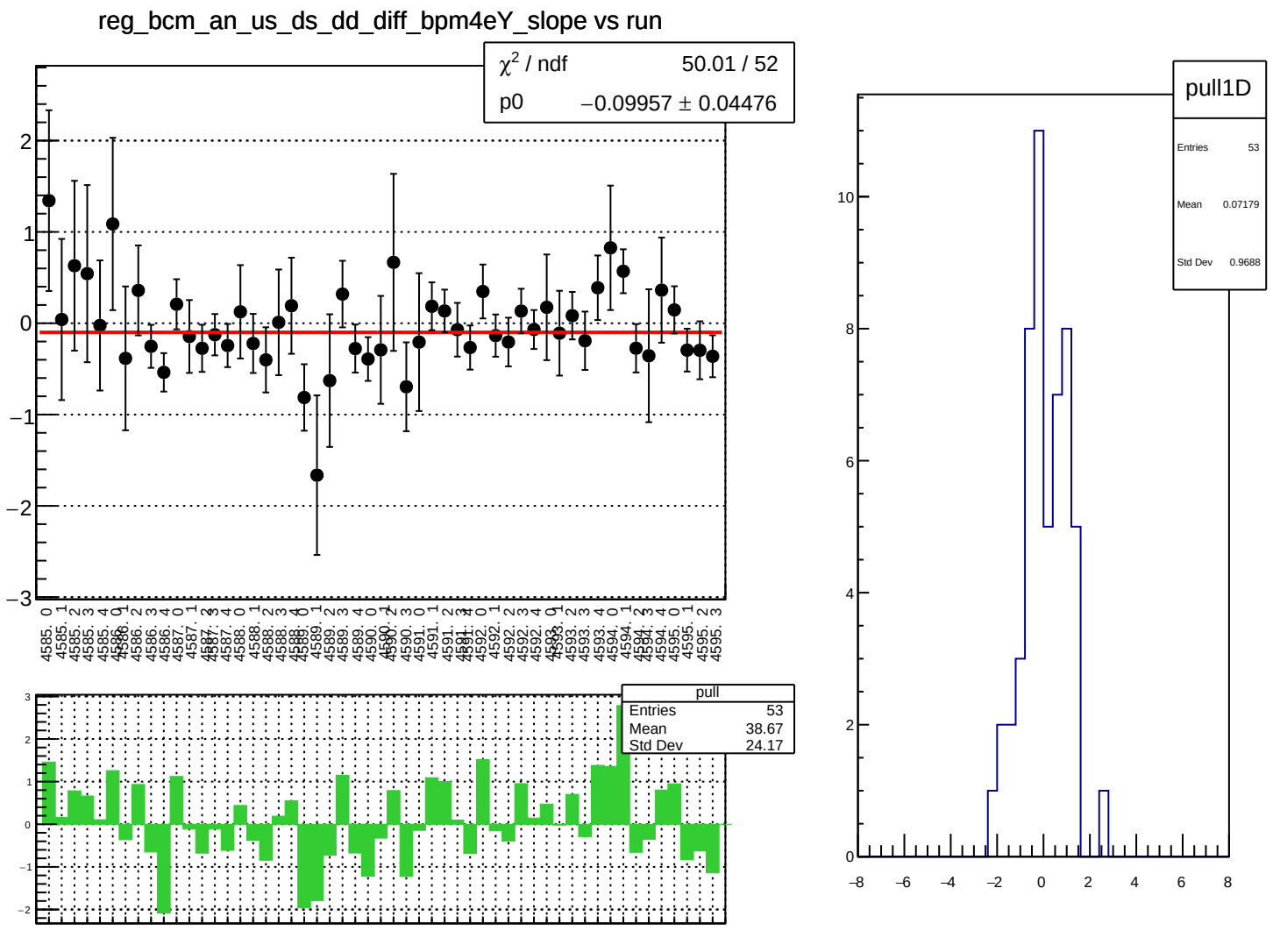

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 71.04 / 52
p0 −0.01048 ± 0.02546
pull
Entries 53
Mean 52.92
Std Dev 28.53

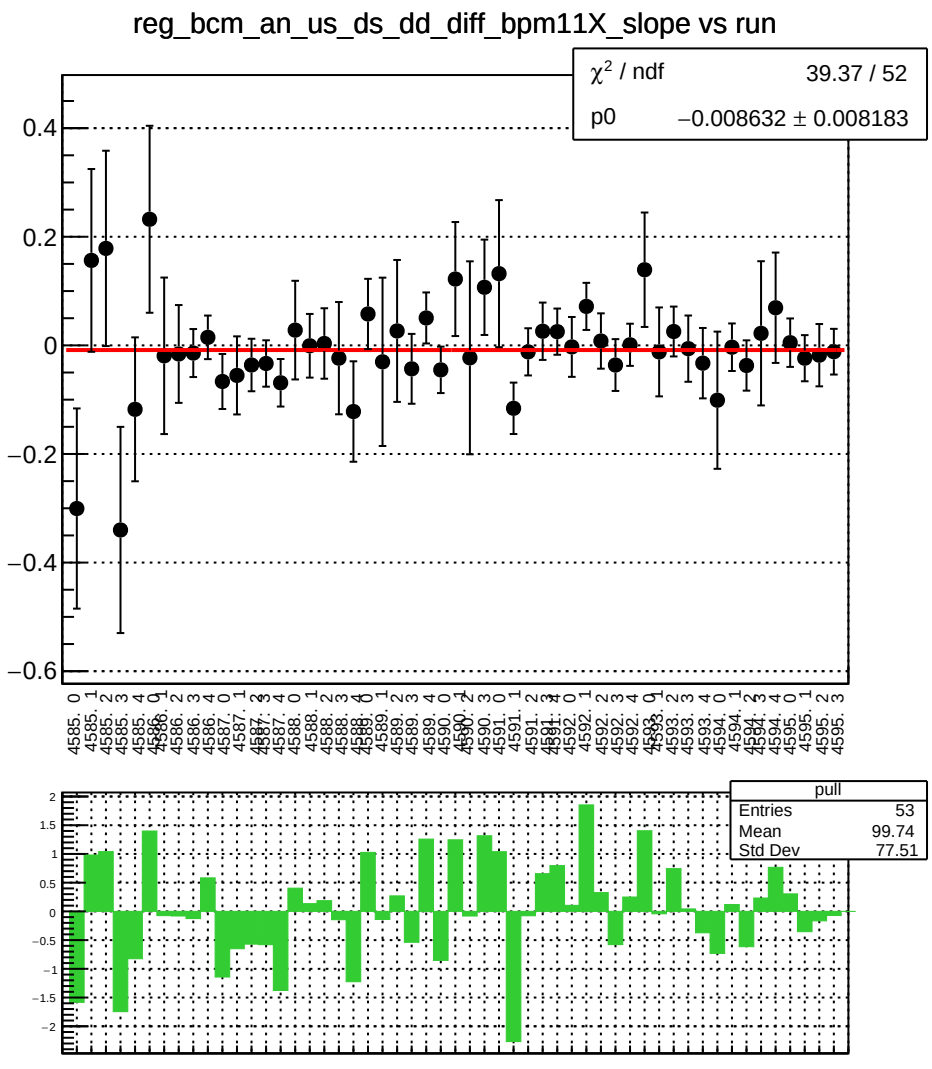

pull1D
Entries 53
Mean −0.02128
Std Dev 1.158

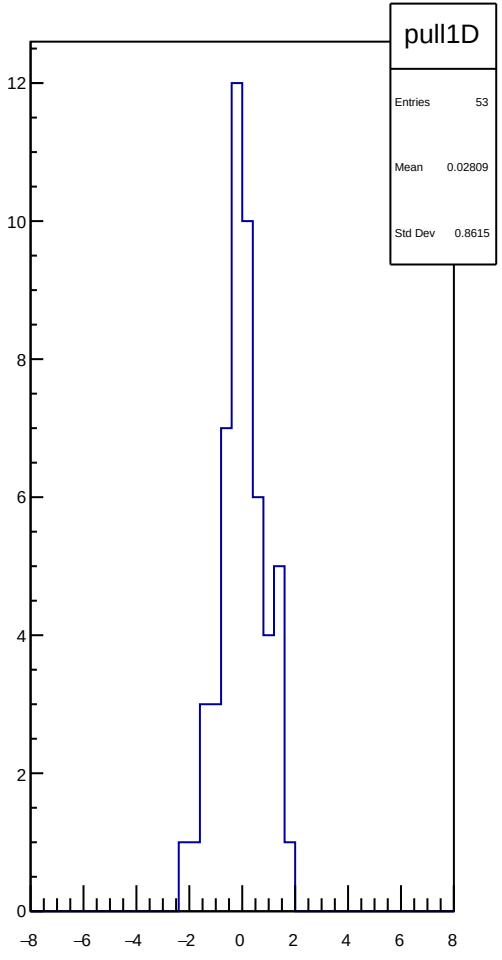

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.88 / 52
p0 0.05492 ± 0.03296
pull
Entries 53
Mean 35.7
Std Dev 26.02
pull1D
Entries 53
Mean −0.06702
Std Dev 0.9871

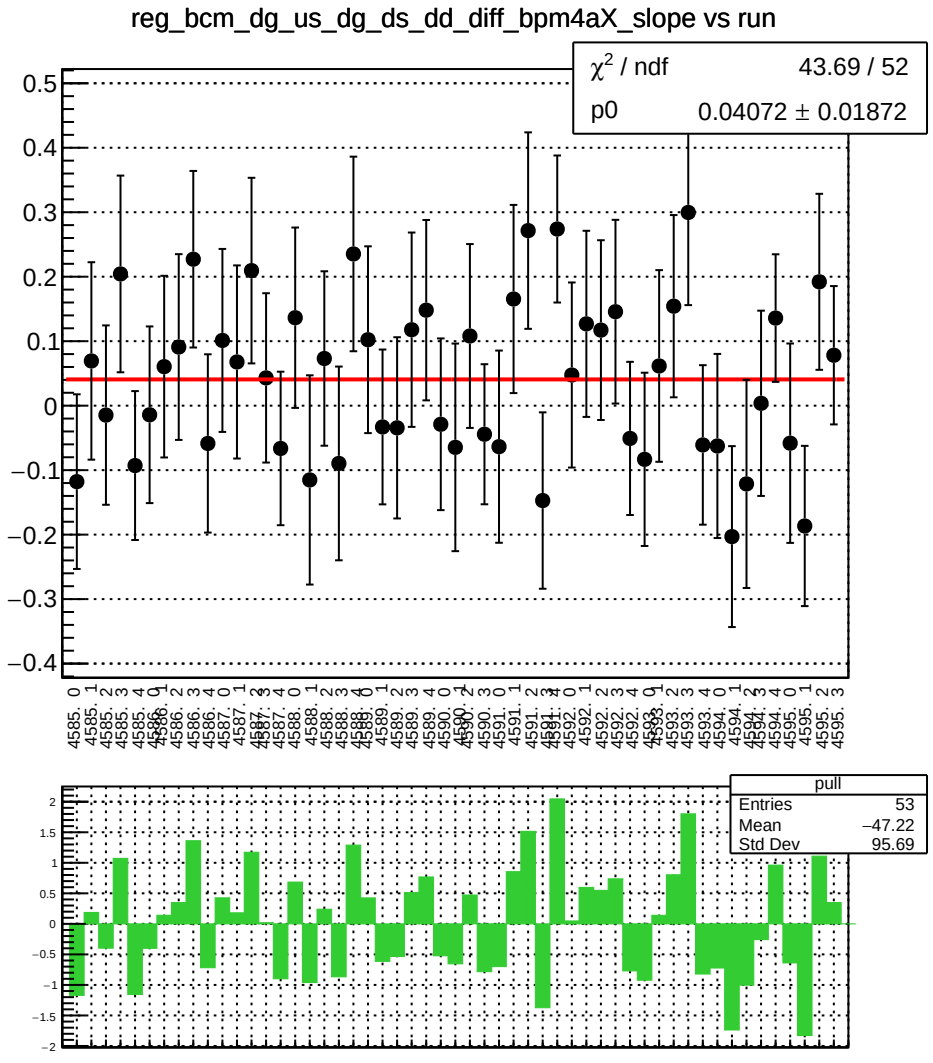

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.28 / 52
p0 0.0152 ± 0.005122
pull
Entries 53
Mean 448.2
Std Dev 420.6

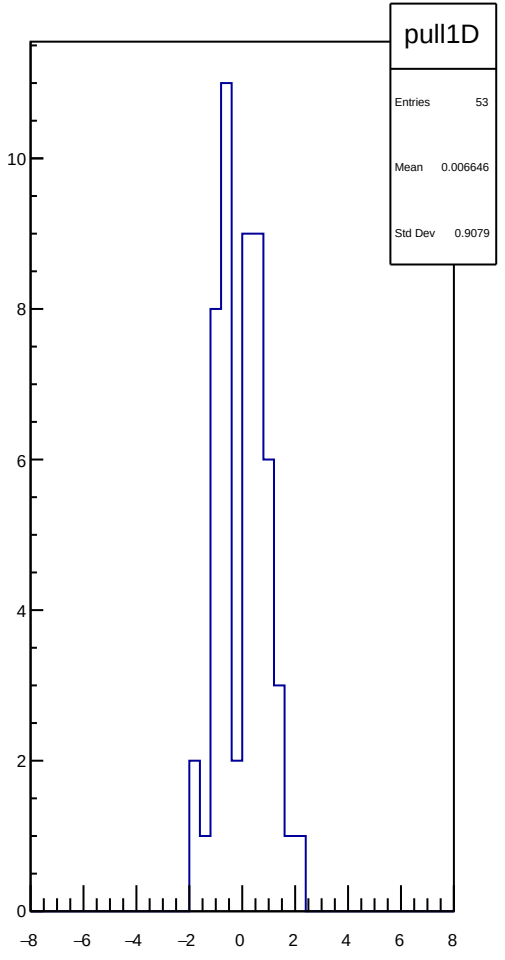

pull1D
Entries 53
Mean 0.008136
Std Dev 0.8387

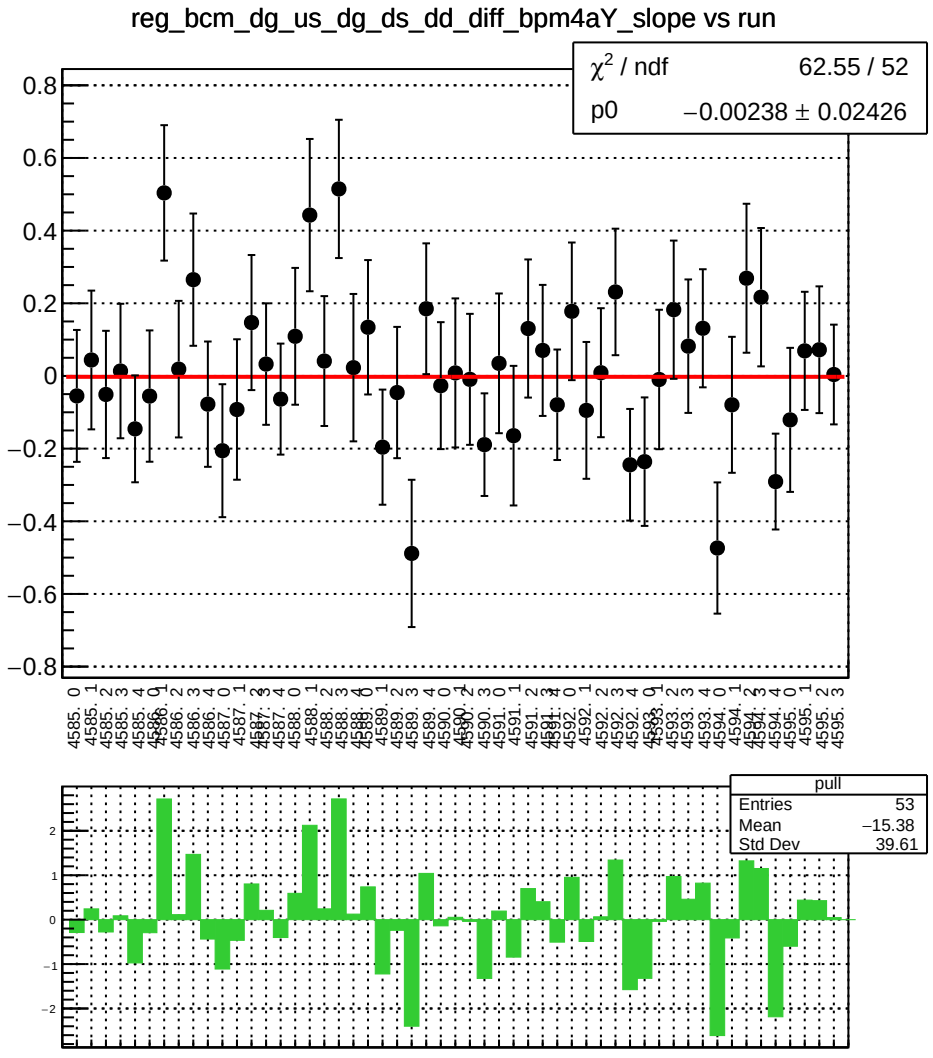

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.01 / 52
p0 −0.09957 ± 0.04476
pull
Entries 53
Mean 38.67
Std Dev 24.17
pull1D
Entries 53
Mean 0.07179
Std Dev 0.9688

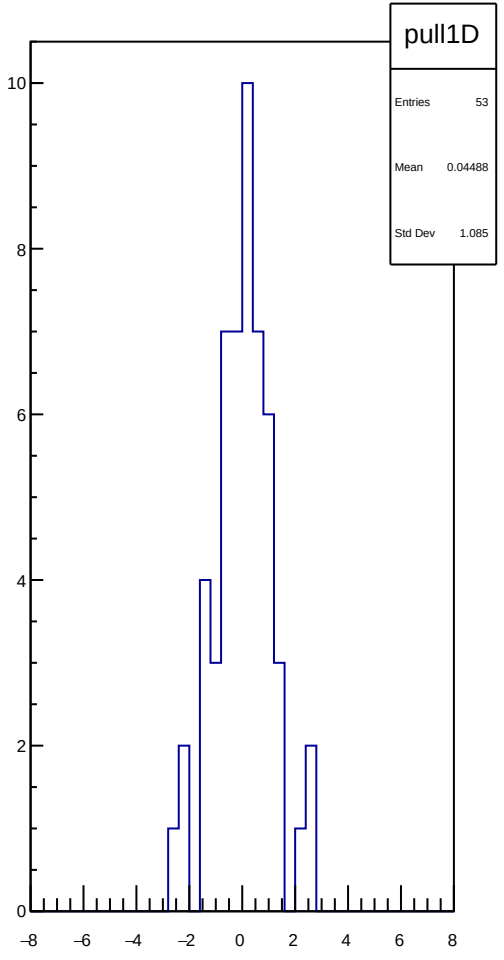

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 39.37 / 52
p0 −0.008632 ± 0.008183
pull
Entries 53
Mean 99.74
Std Dev 77.51

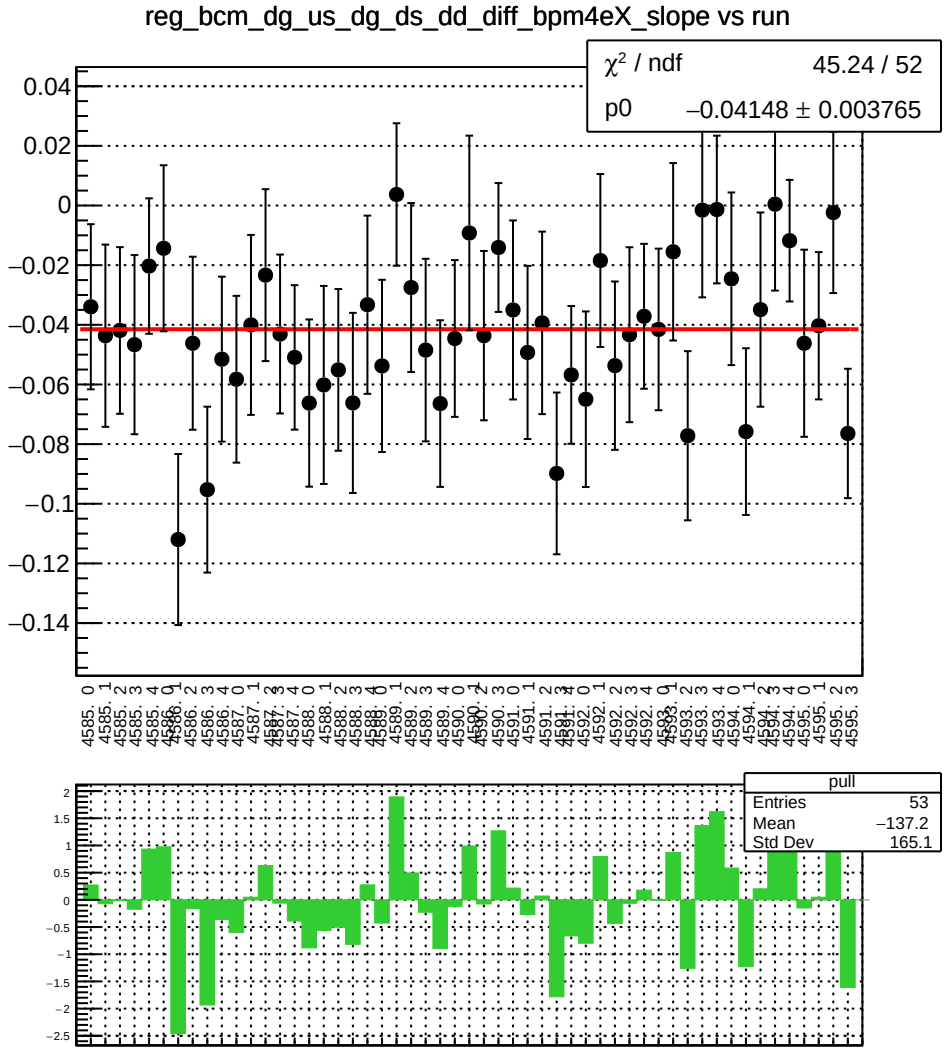

pull1D
Entries 53
Mean 0.02809
Std Dev 0.8615

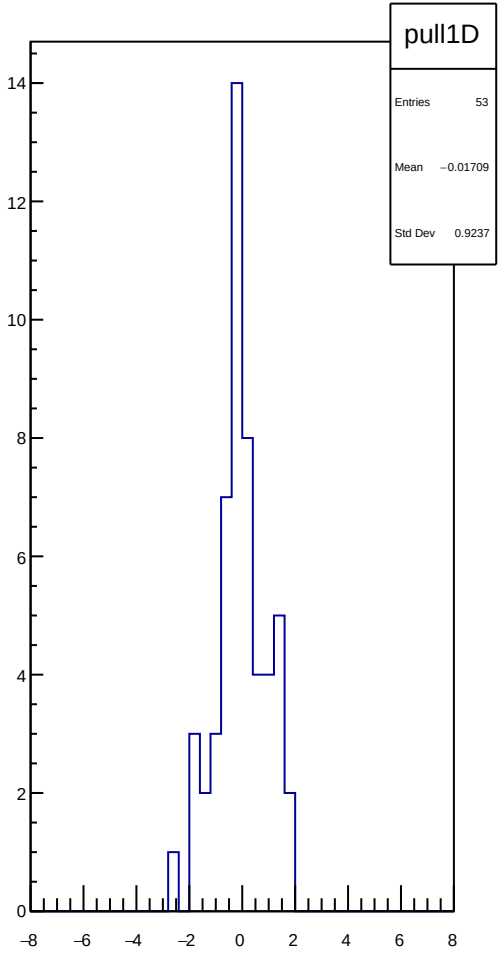

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 43.69 / 52
p0 0.04072 ± 0.01872
pull
Entries 53
Mean −47.22
Std Dev 95.69

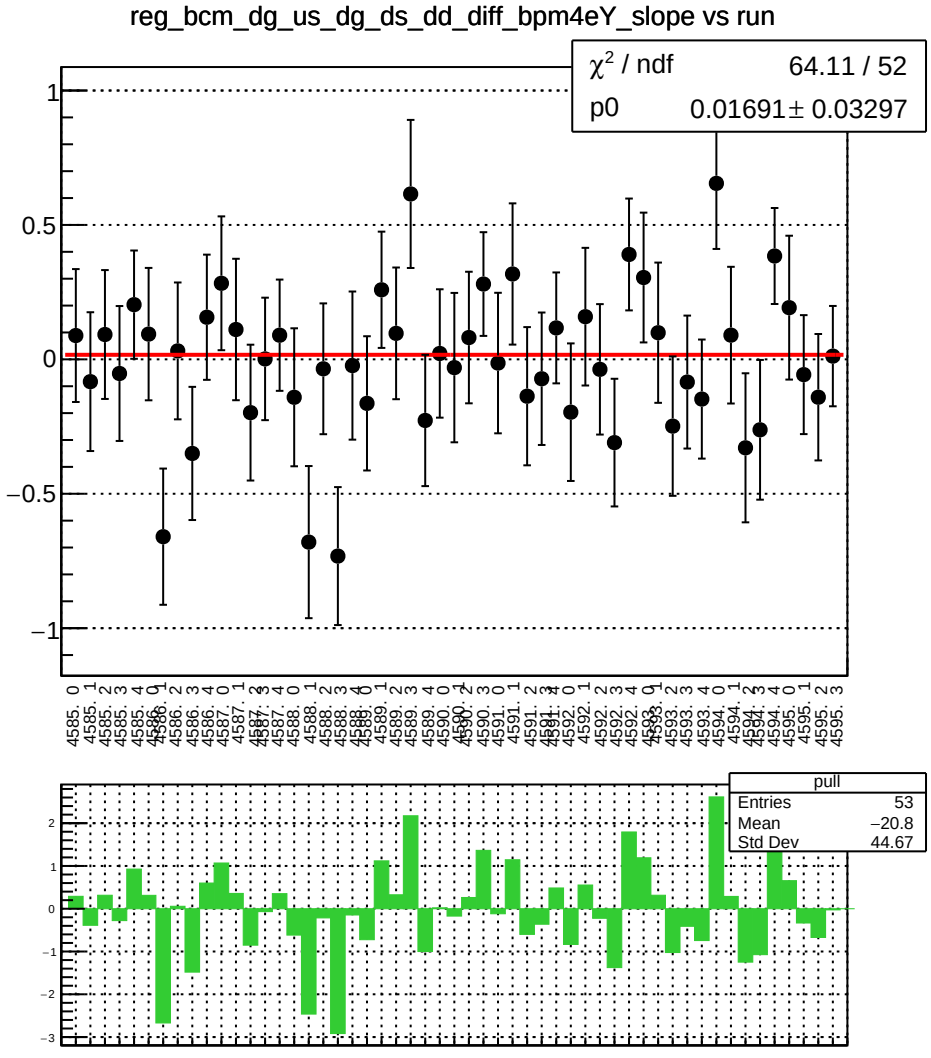

pull1D
Entries 53
Mean 0.006646
Std Dev 0.9079

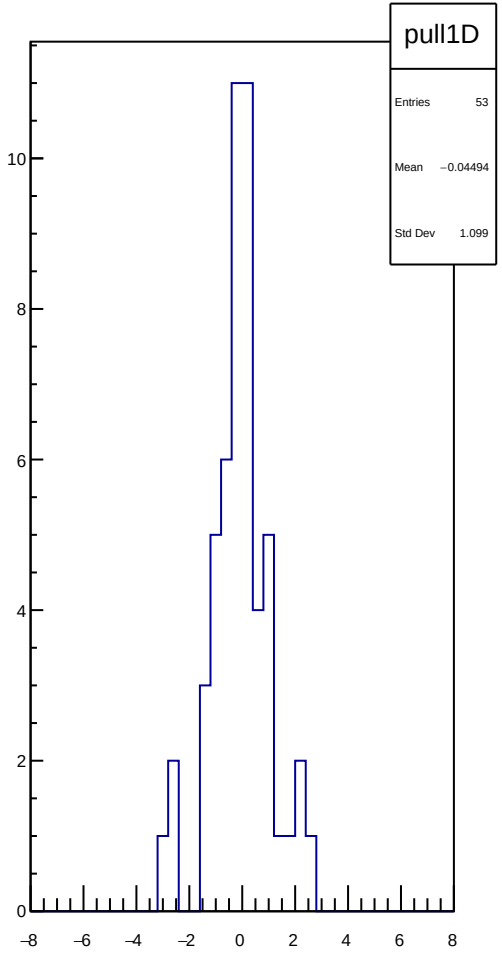

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.55 / 52
p0 −0.00238 ± 0.02426
pull
Entries 53
Mean −15.38
Std Dev 39.61

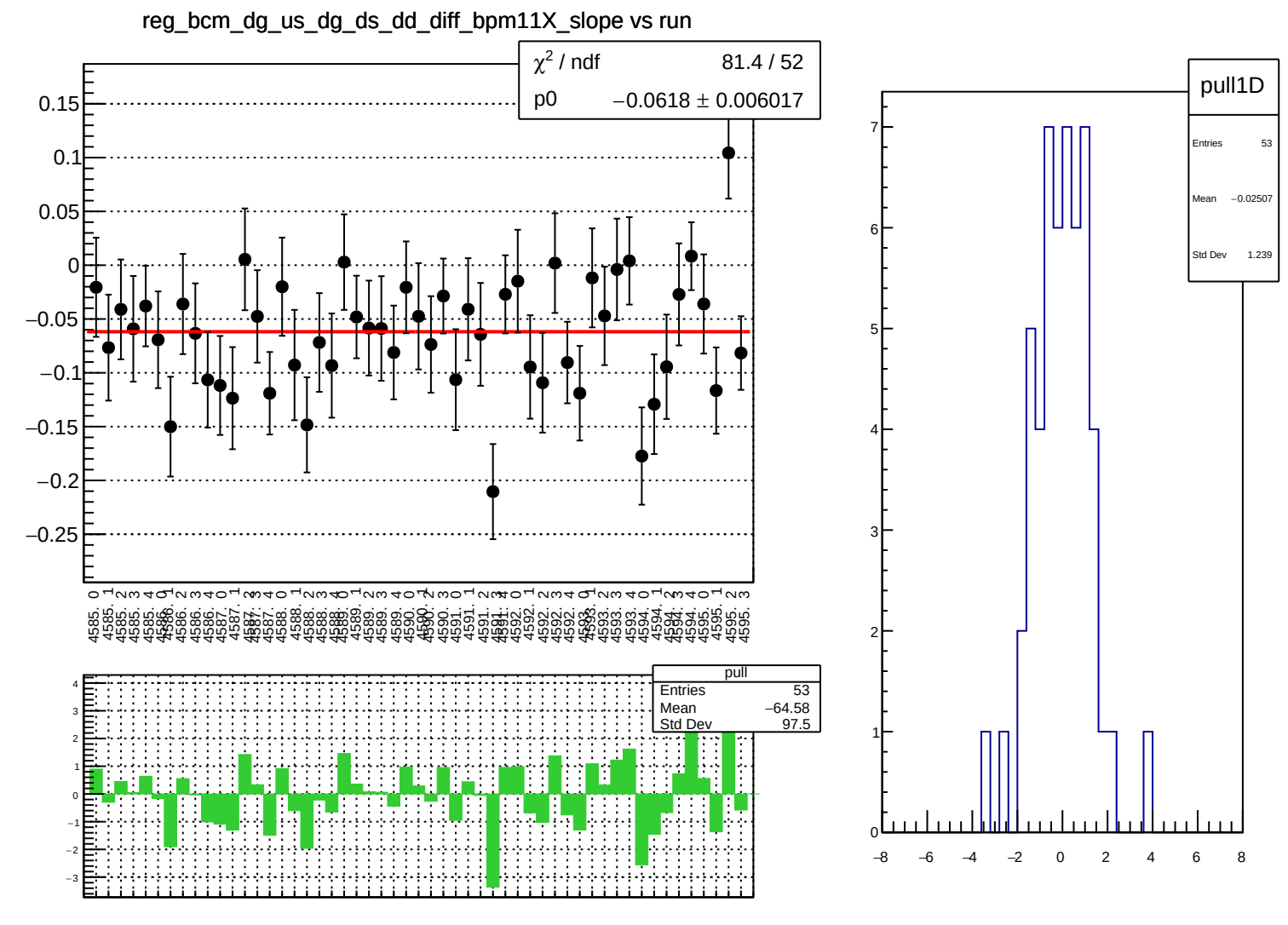

pull1D
Entries 53
Mean 0.04488
Std Dev 1.085

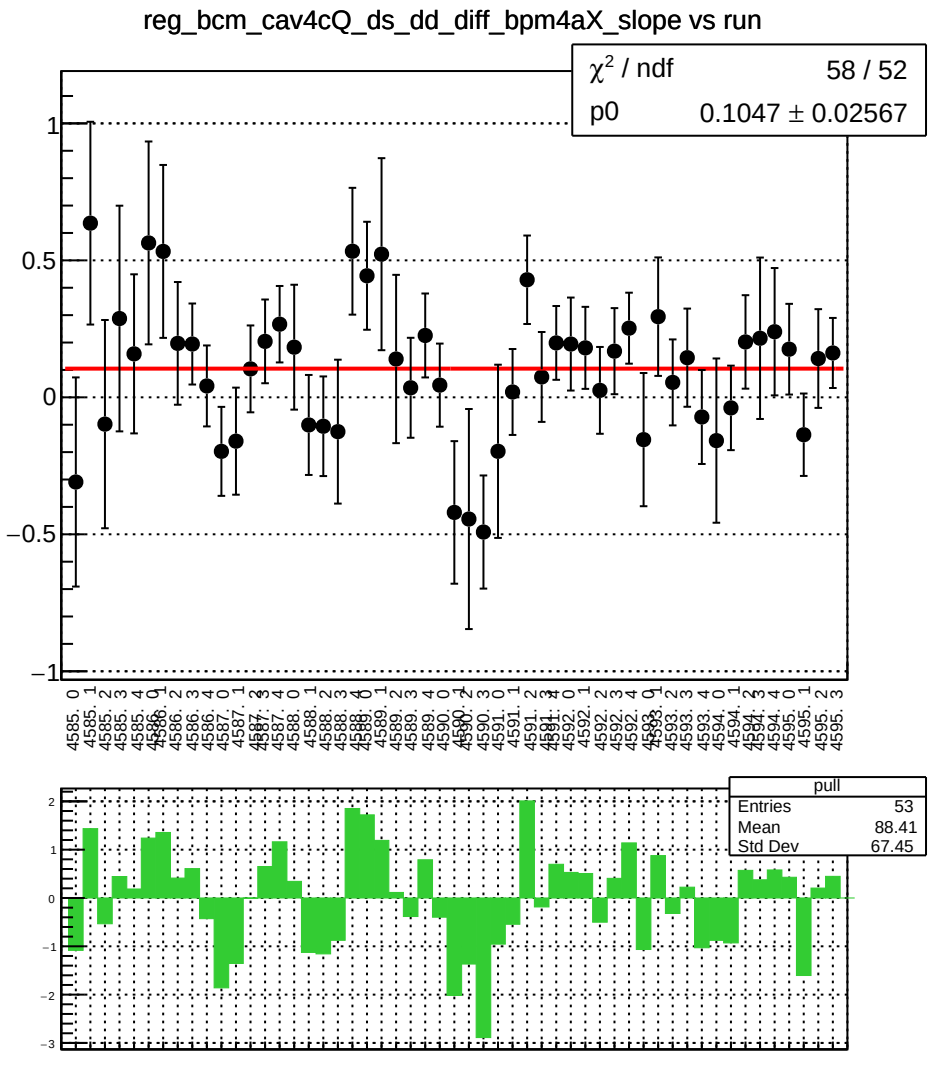

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 45.24 / 52
p0 −0.04148 ± 0.003765
pull
Entries 53
Mean −137.2
Std Dev 165.1

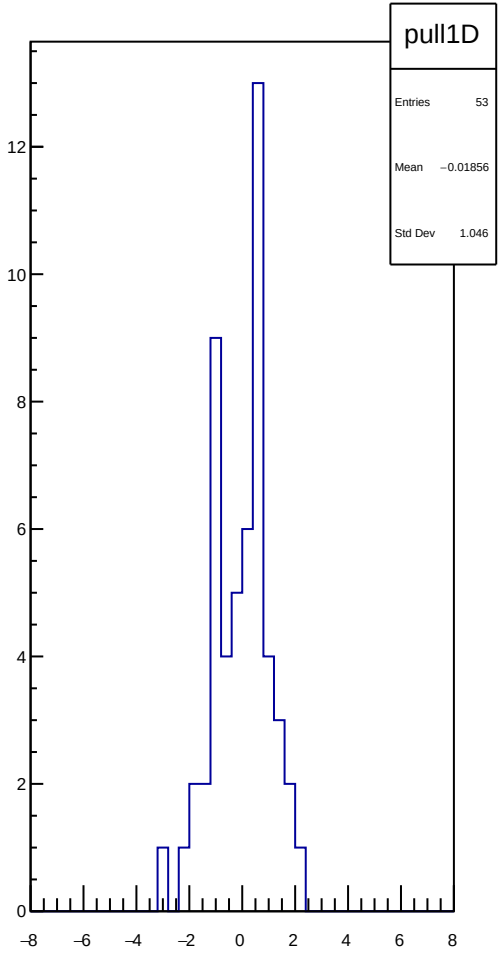

pull1D
Entries 53
Mean −0.01709
Std Dev 0.9237

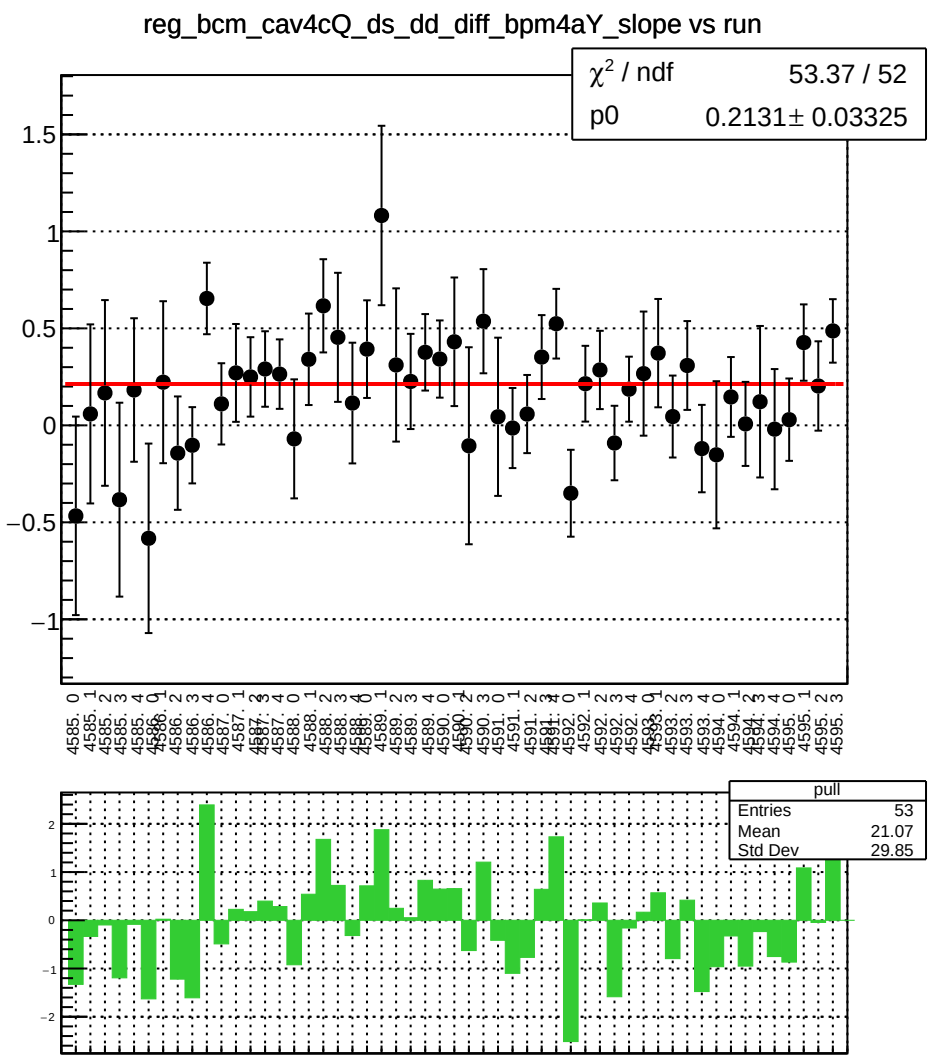

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.11 / 52
p0 0.01691 ± 0.03297
pull
Entries 53
Mean −20.8
Std Dev 44.67

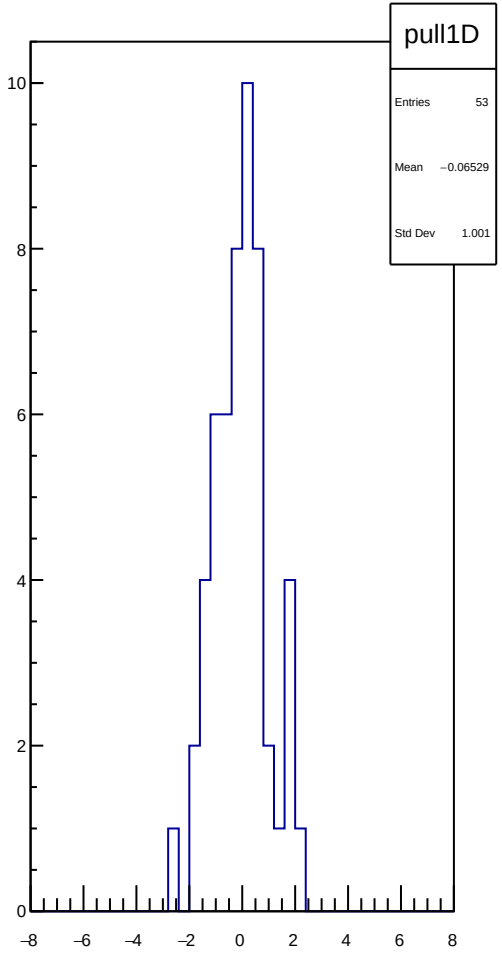

pull1D
Entries 53
Mean −0.04494
Std Dev 1.099

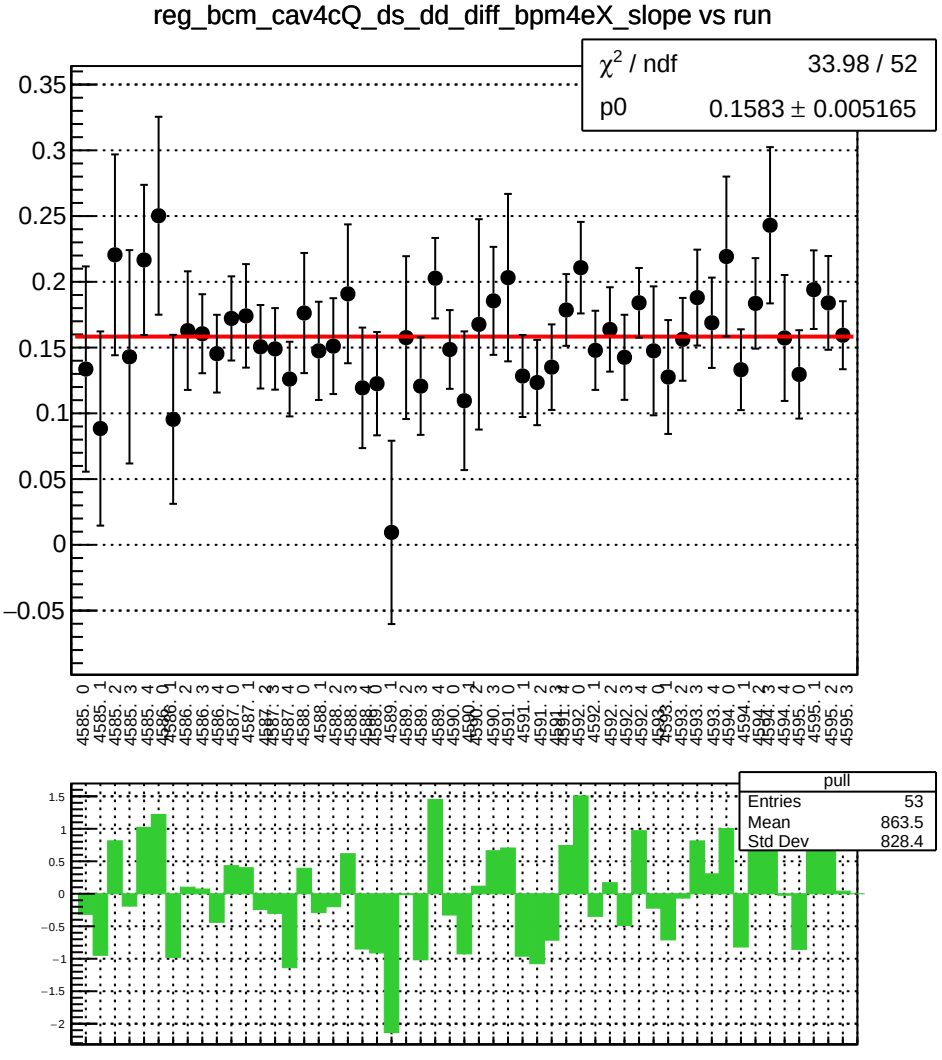

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 81.4 / 52
p0 −0.0618 ± 0.006017
pull
Entries 53
Mean −64.58
Std Dev 97.5
pull1D
Entries 53
Mean −0.02507
Std Dev 1.239

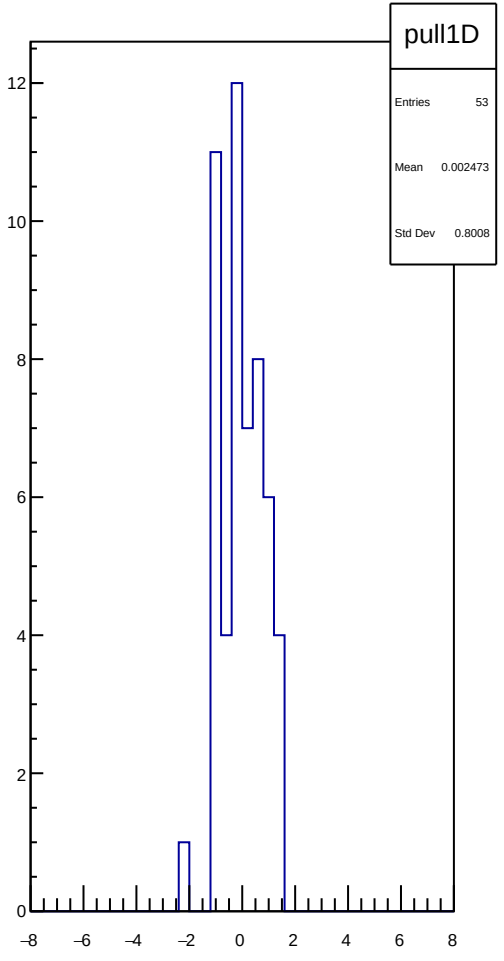

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 58 / 52
p0 0.1047 ± 0.02567
pull
Entries 53
Mean 88.41
Std Dev 67.45

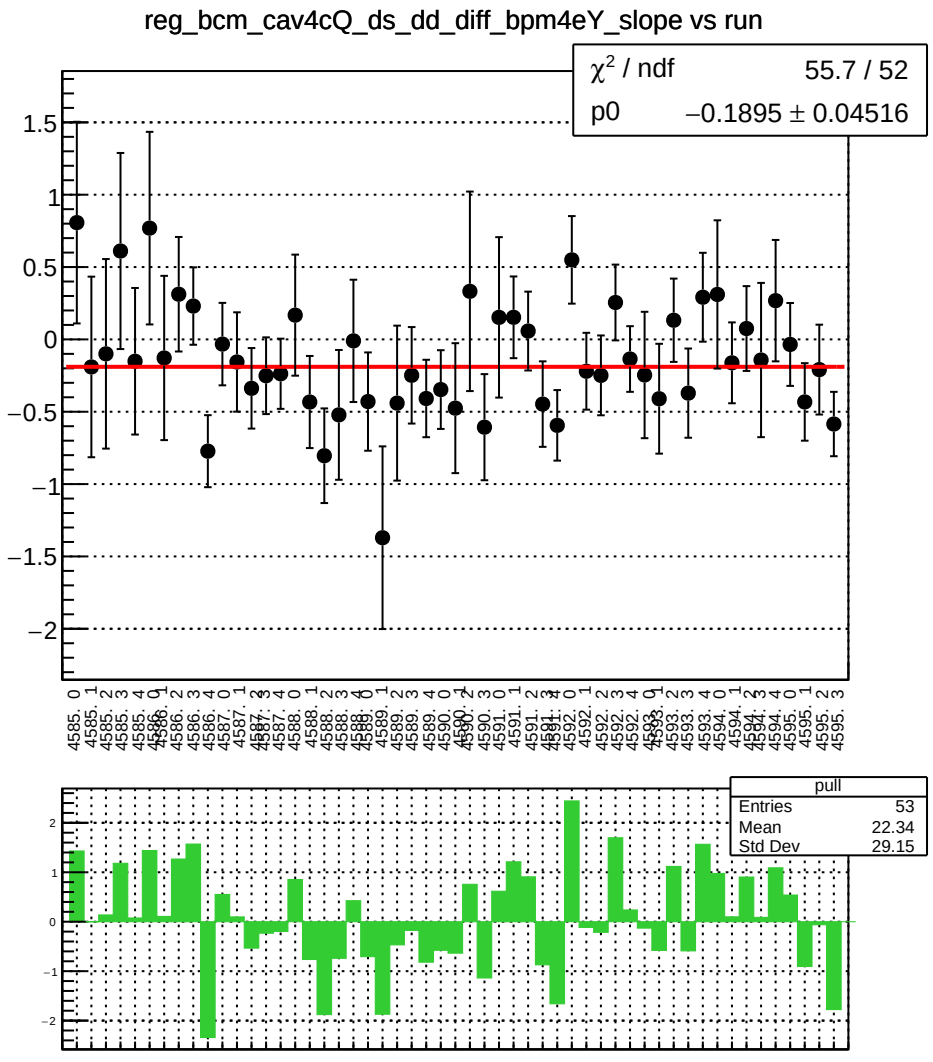

pull1D
Entries 53
Mean −0.01856
Std Dev 1.046

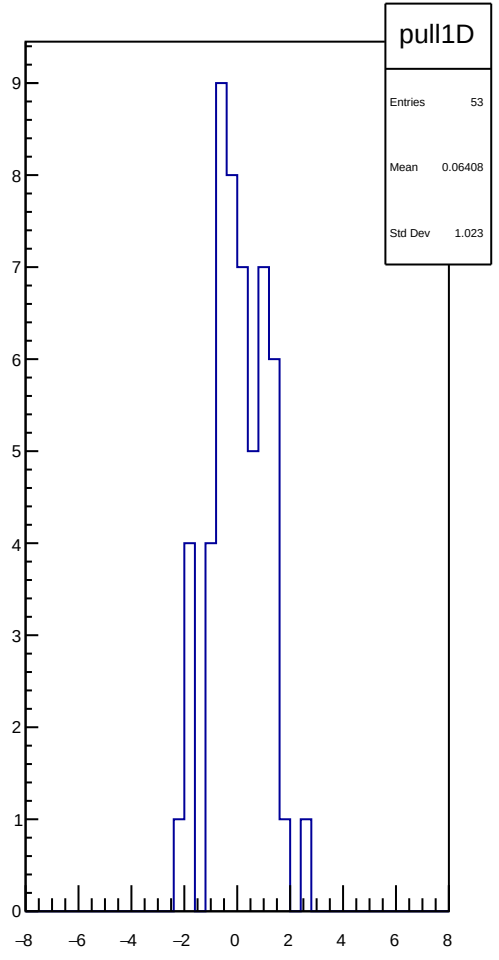

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.37 / 52
p0 0.2131± 0.03325
pull
Entries 53
Mean 21.07
Std Dev 29.85

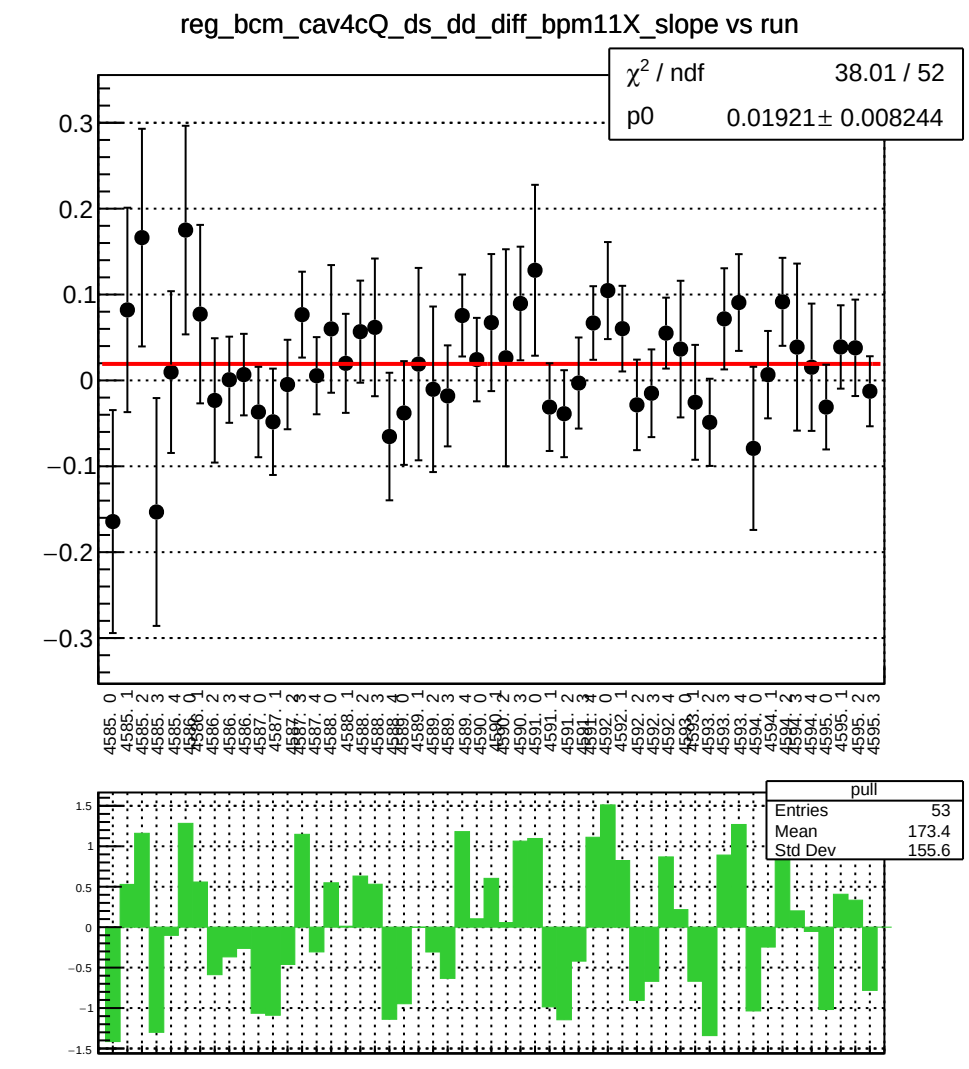

pull1D
Entries 53
Mean −0.06529
Std Dev 1.001

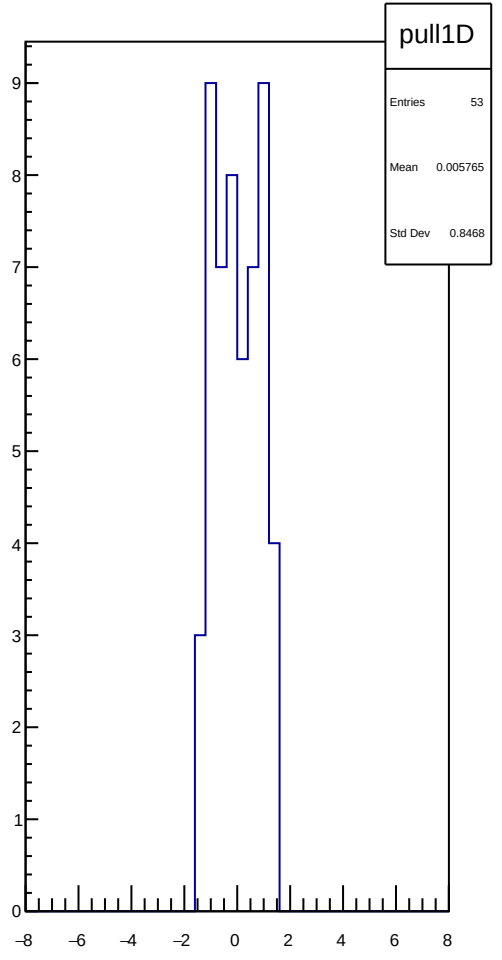

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.98 / 52
p0 0.1583 ± 0.005165
pull
Entries 53
Mean 863.5
Std Dev 828.4

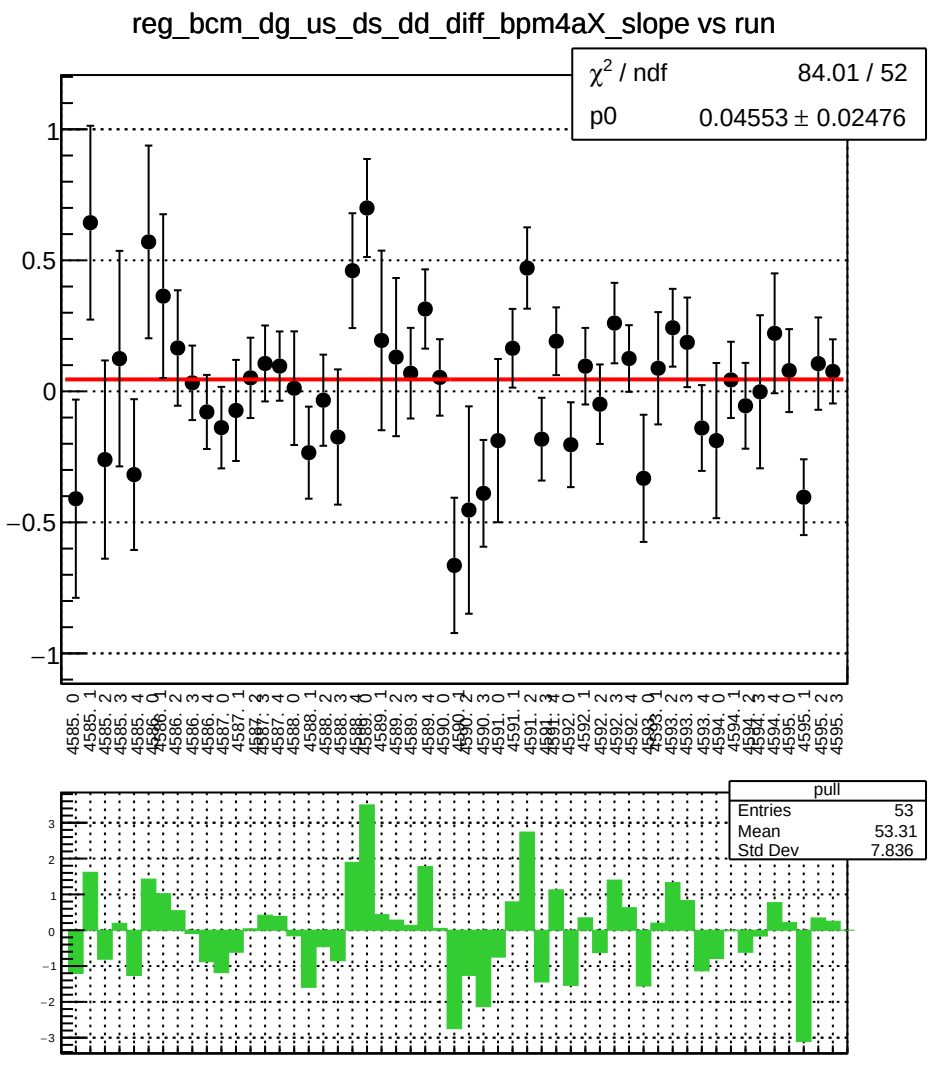

pull1D
Entries 53
Mean 0.002473
Std Dev 0.8008

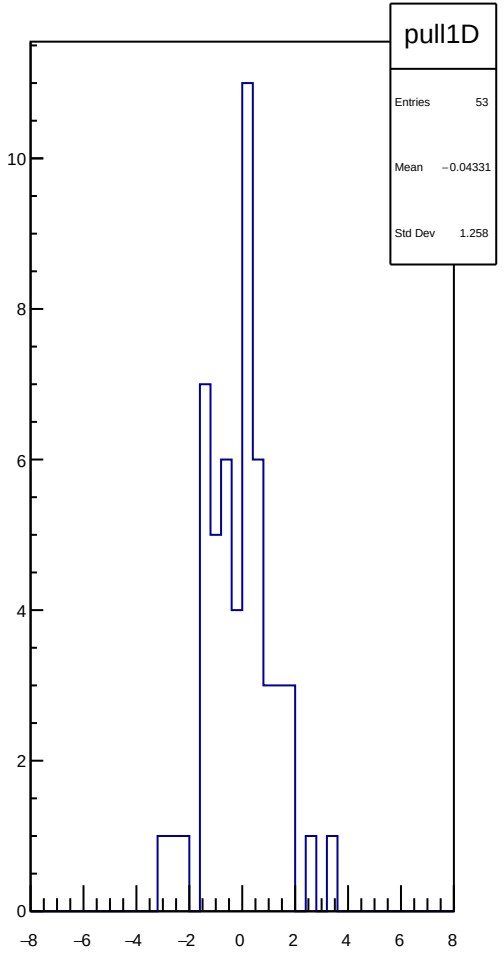

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.7 / 52
p0 −0.1895 ± 0.04516
pull
Entries 53
Mean 22.34
Std Dev 29.15

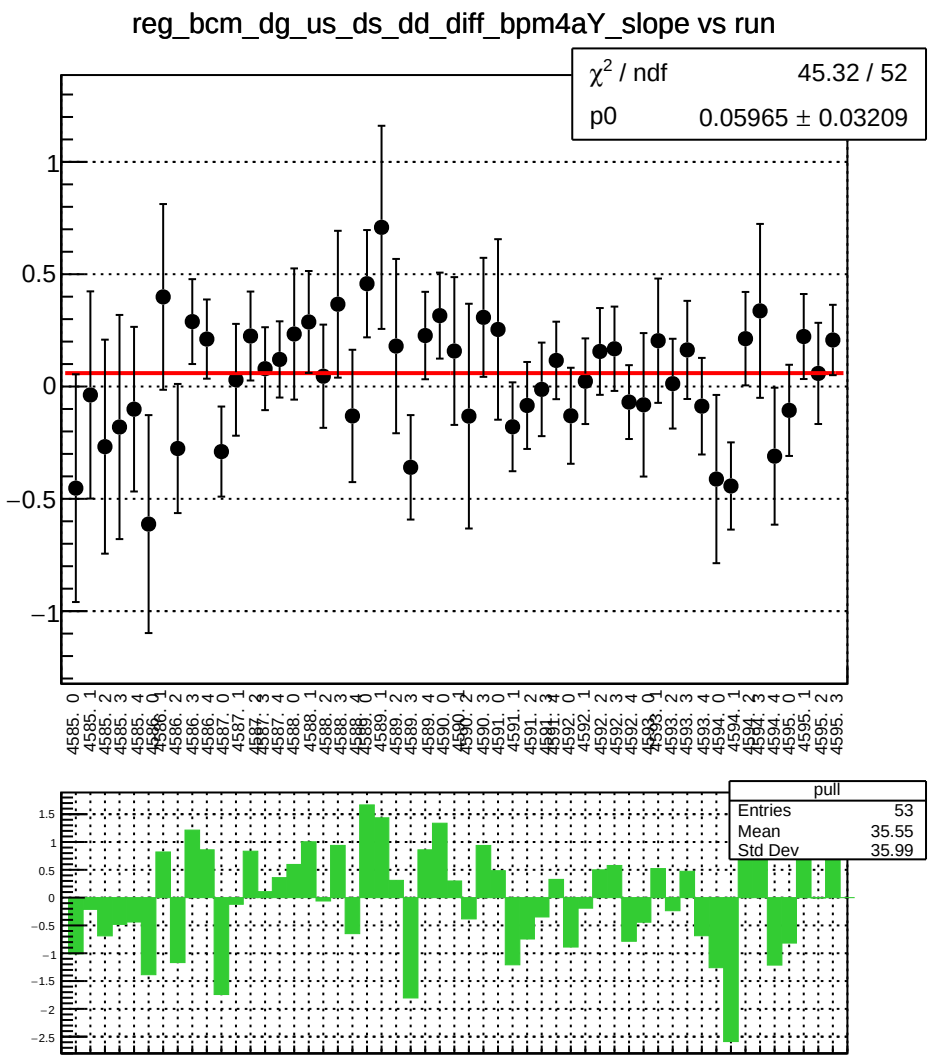

pull1D
Entries 53
Mean 0.06408
Std Dev 1.023

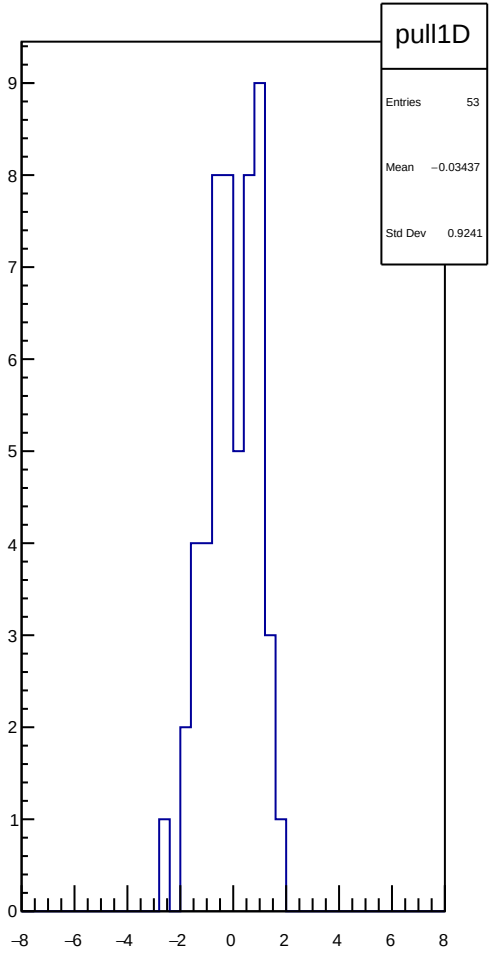

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 38.01 / 52
p0 0.01921± 0.008244
pull
Entries 53
Mean 173.4
Std Dev 155.6

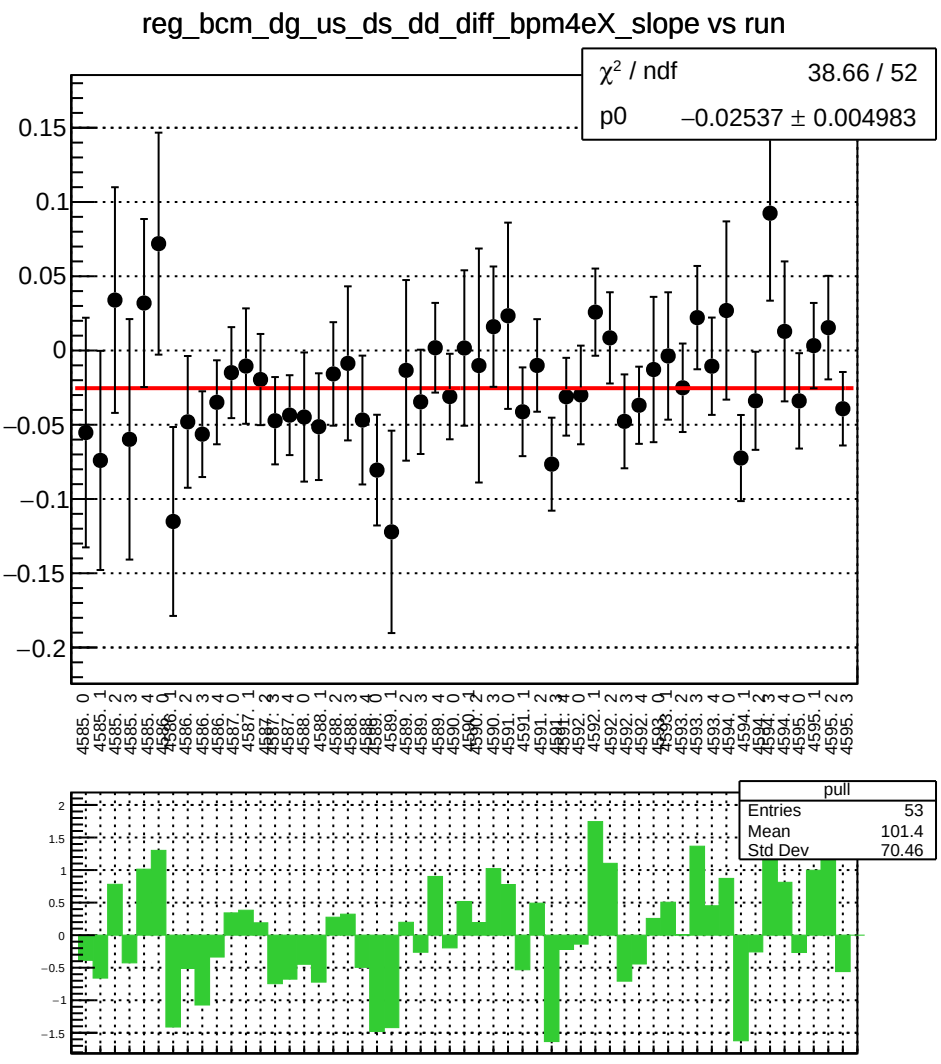

pull1D
Entries 53
Mean 0.005765
Std Dev 0.8468

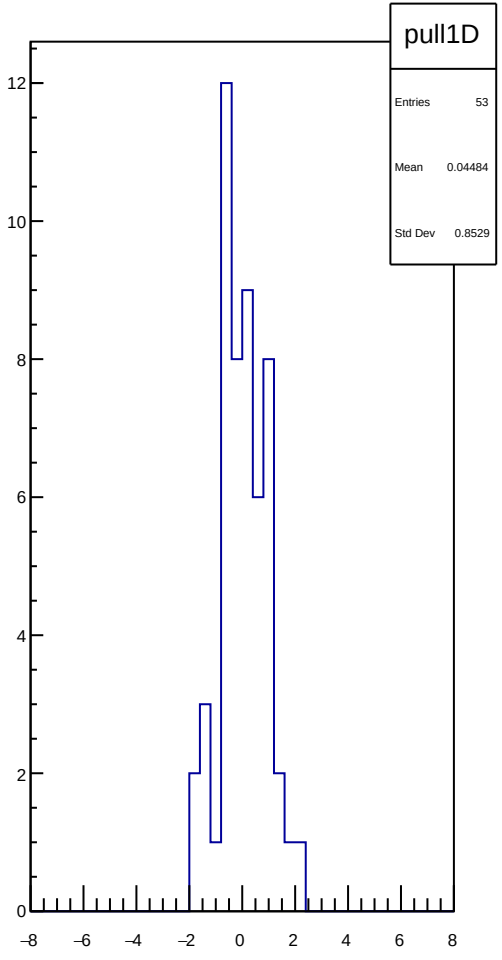

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 84.01 / 52
p0 0.04553 ± 0.02476
pull
Entries 53
Mean 53.31
Std Dev 7.836

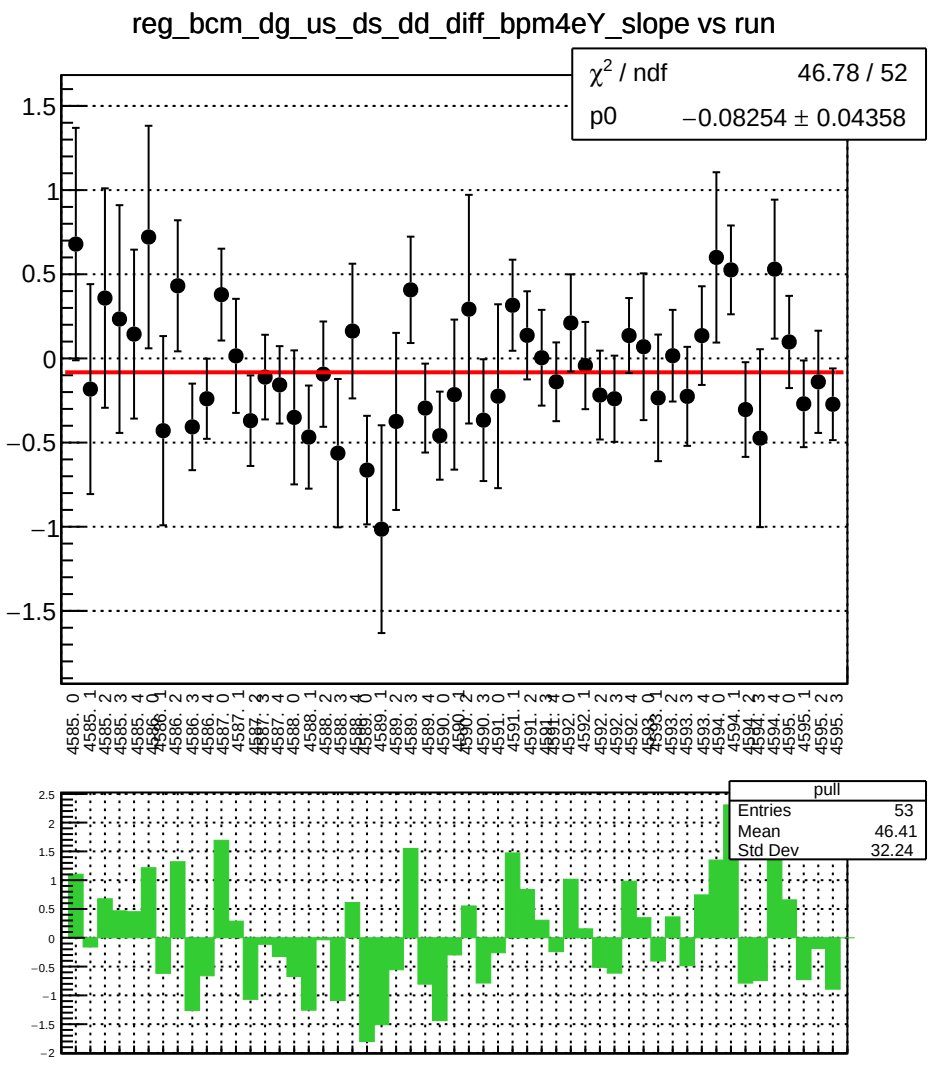

pull1D
Entries 53
Mean −0.04331
Std Dev 1.258

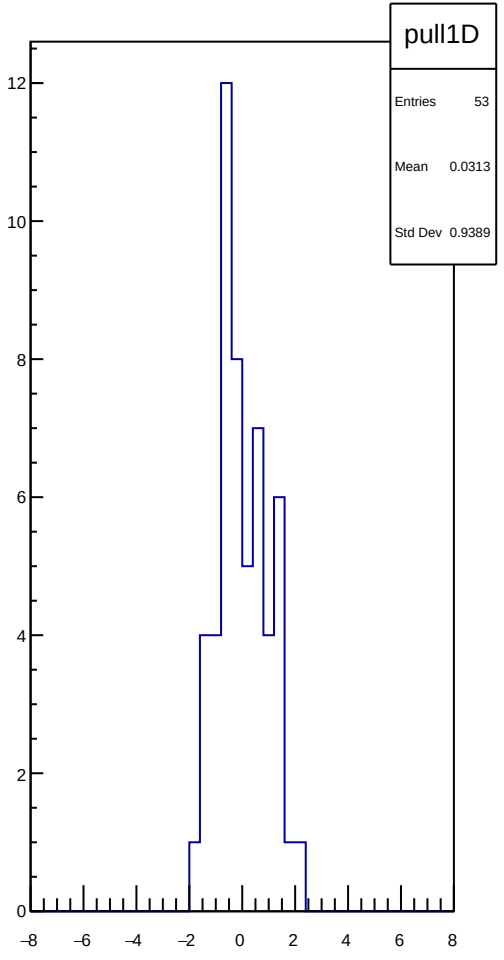

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.32 / 52
p0 0.05965 ± 0.03209
pull
Entries 53
Mean 35.55
Std Dev 35.99

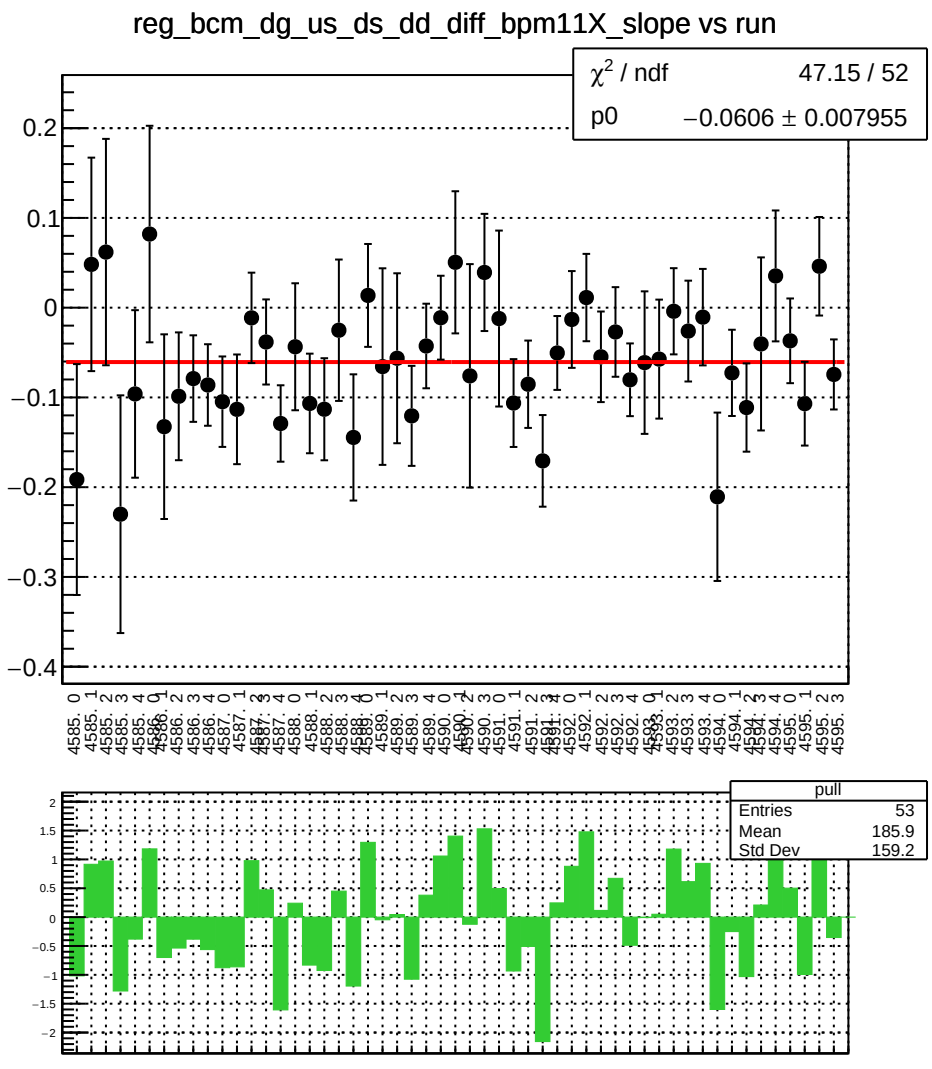

pull1D
Entries 53
Mean −0.03437
Std Dev 0.9241

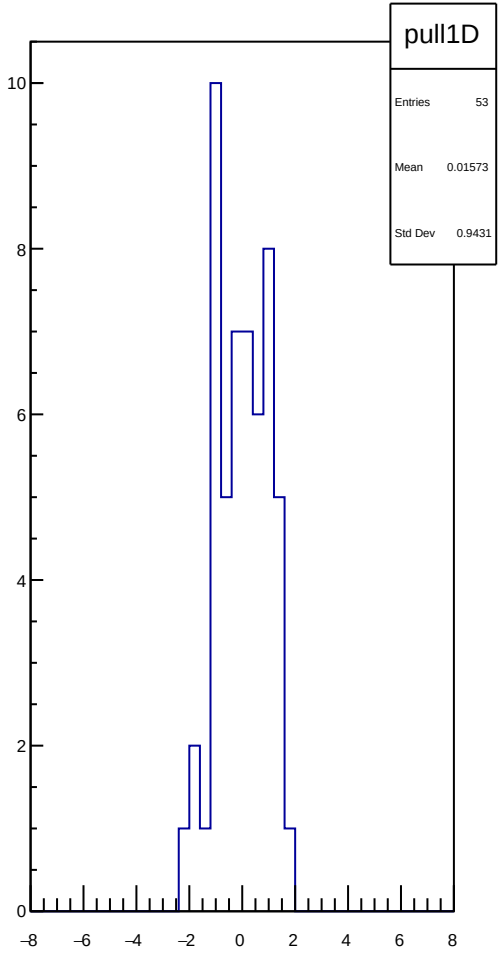

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.66 / 52
p0 −0.02537 ± 0.004983
pull
Entries 53
Mean 101.4
Std Dev 70.46

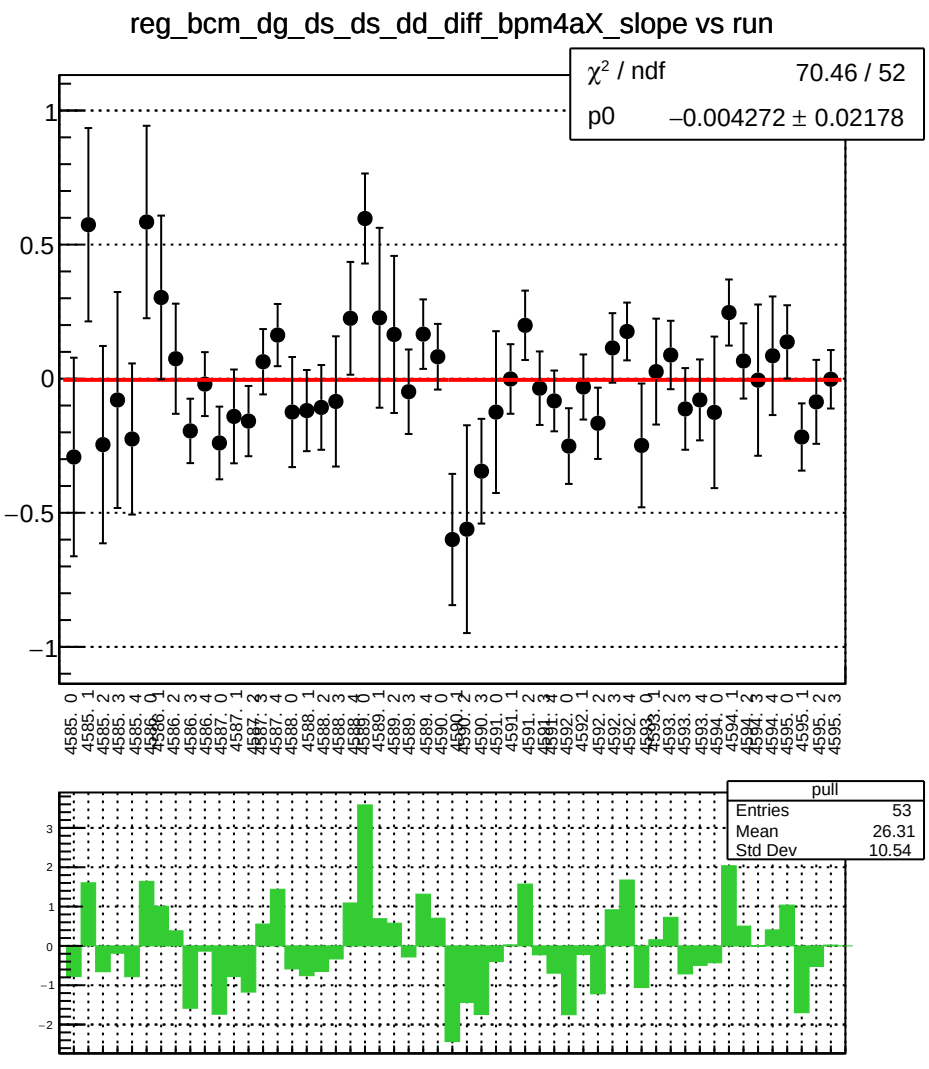

pull1D
Entries 53
Mean 0.04484
Std Dev 0.8529

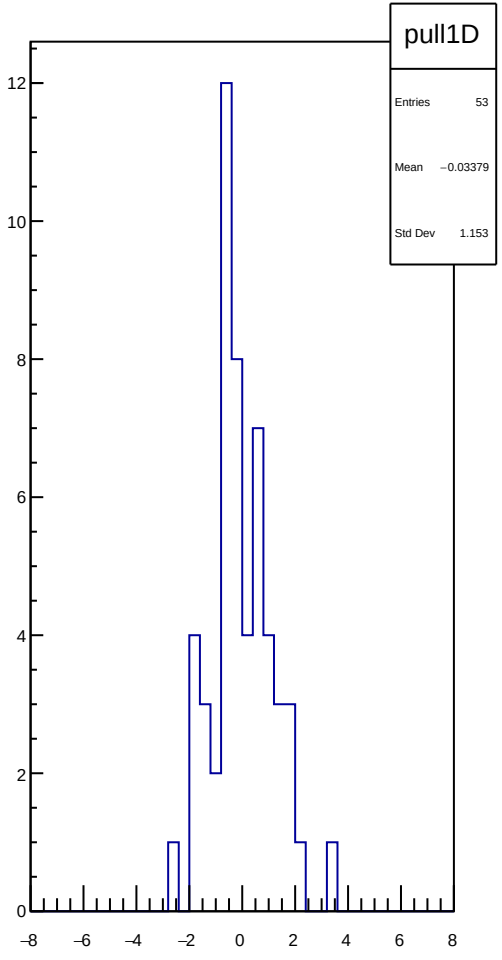

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.78 / 52
p0 −0.08254 ± 0.04358
pull
Entries 53
Mean 46.41
Std Dev 32.24

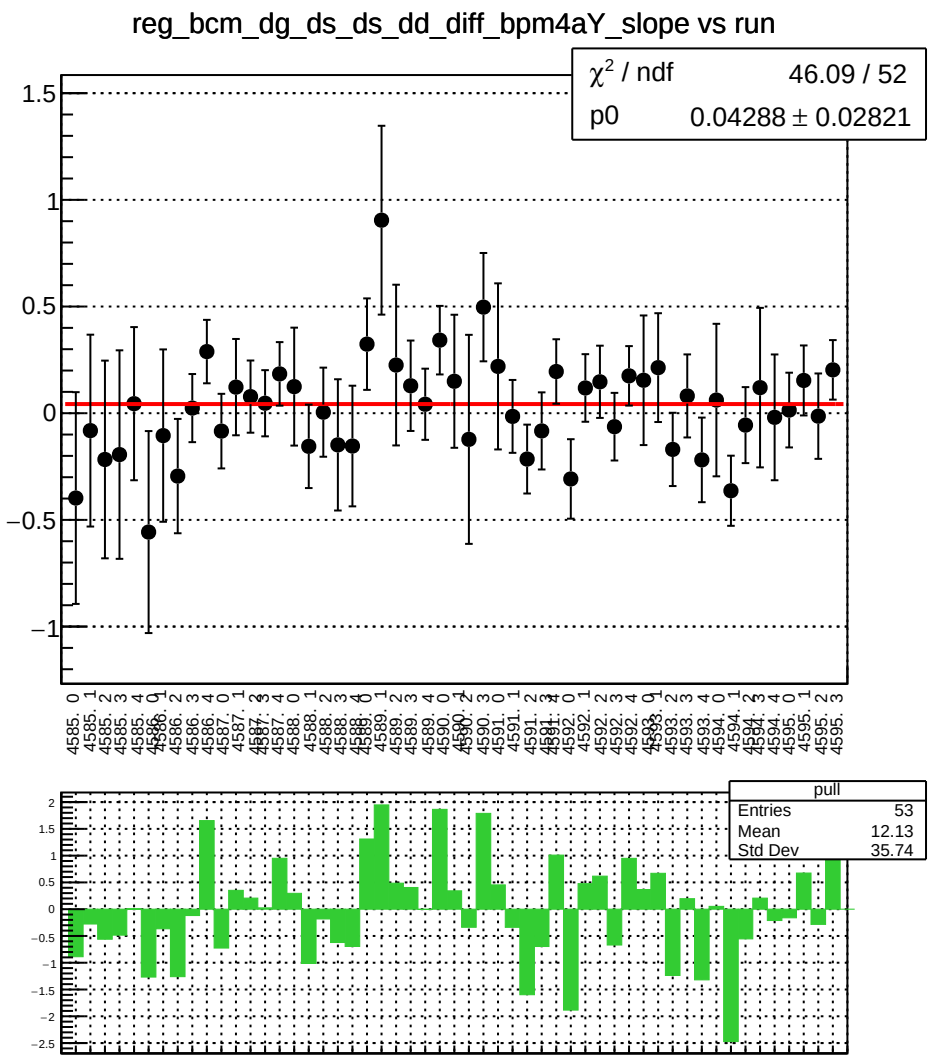

pull1D
Entries 53
Mean 0.0313
Std Dev 0.9389

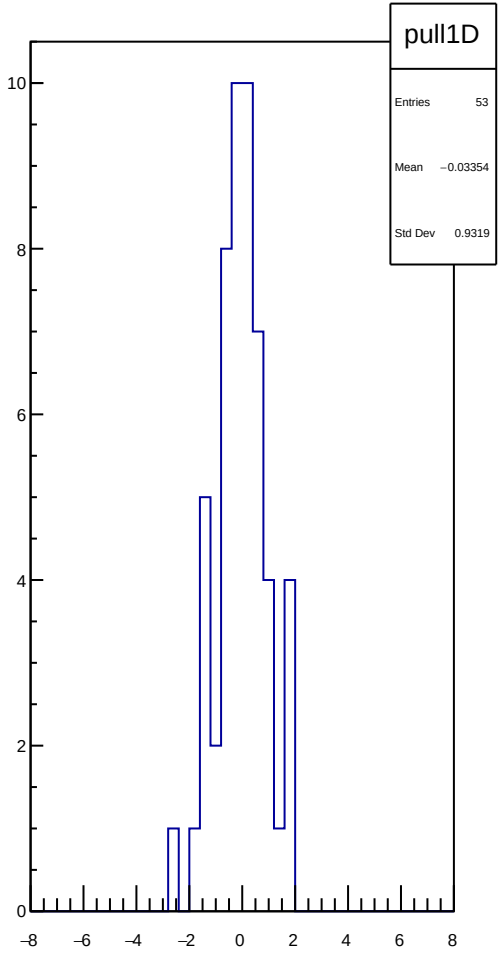

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 47.15 / 52
p0 −0.0606 ± 0.007955
pull
Entries 53
Mean 185.9
Std Dev 159.2

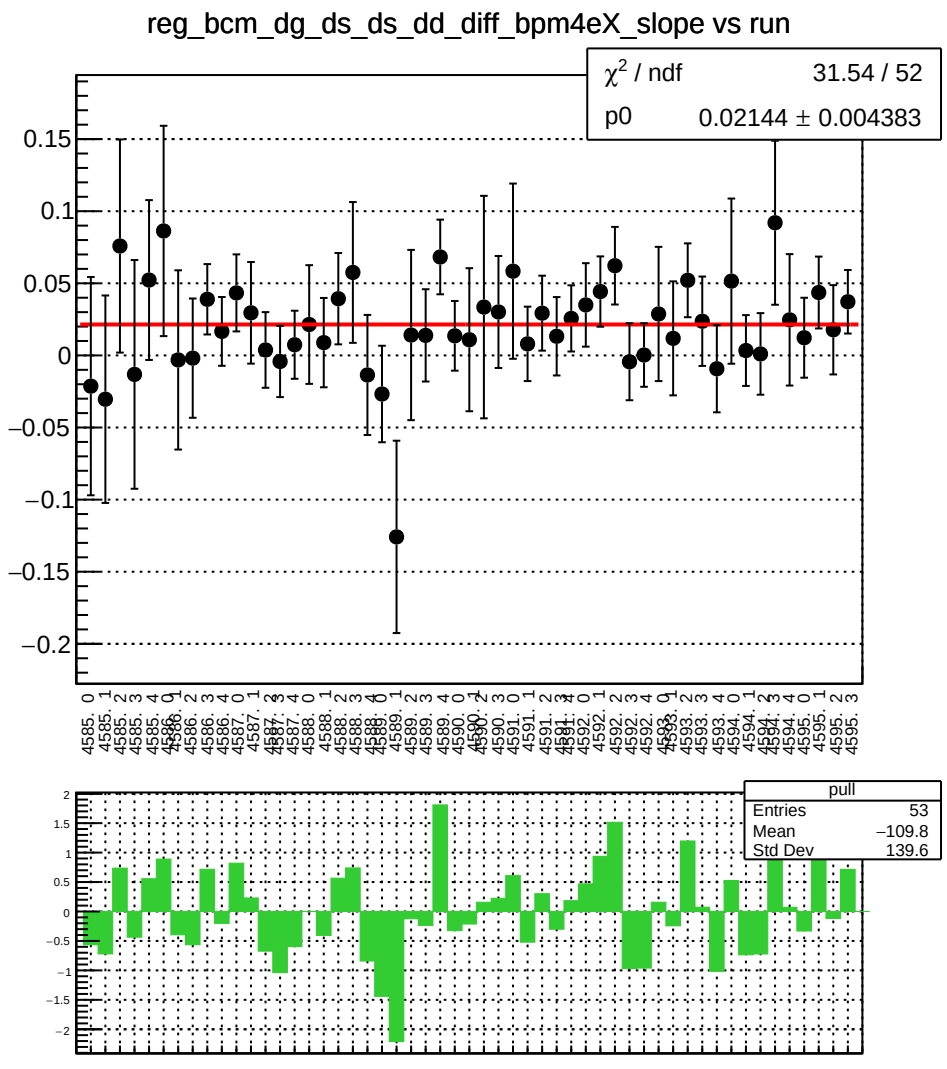

pull1D
Entries 53
Mean 0.01573
Std Dev 0.9431

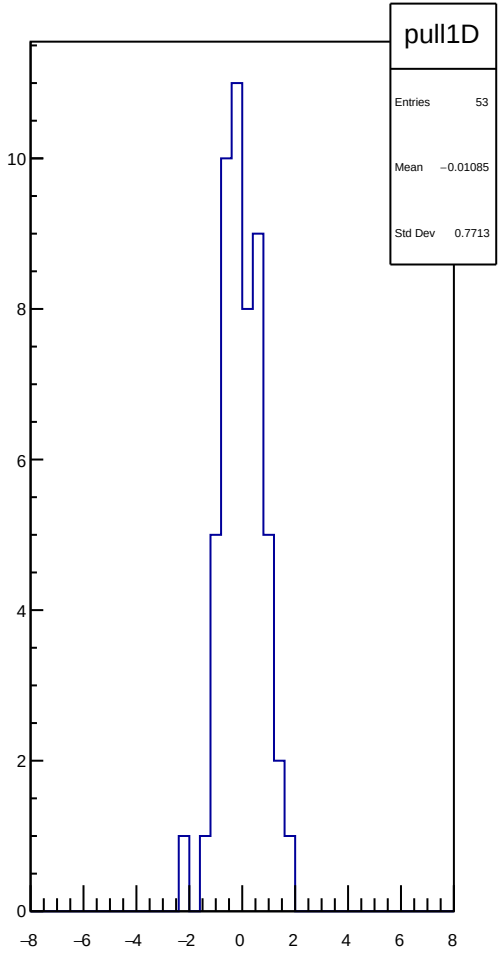

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 70.46 / 52
p0 −0.004272 ± 0.02178
pull
Entries 53
Mean 26.31
Std Dev 10.54

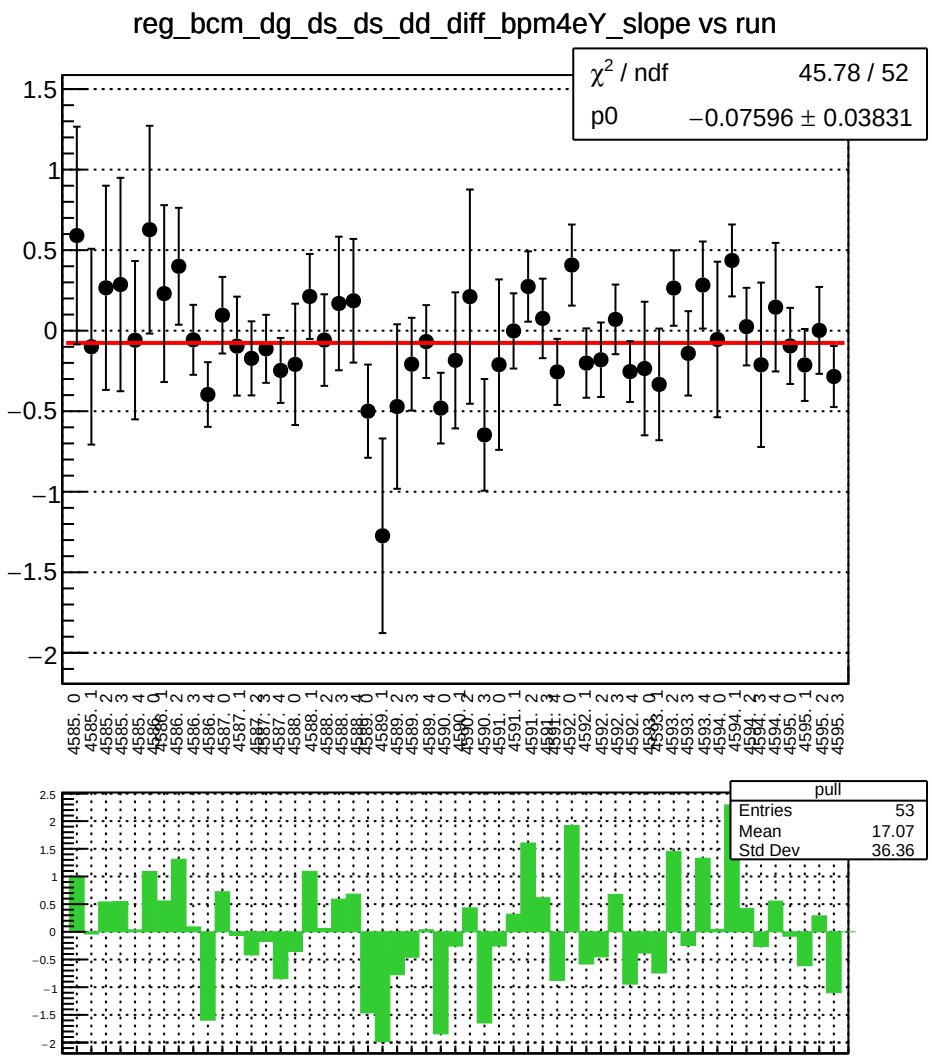

pull1D
Entries 53
Mean −0.03379
Std Dev 1.153

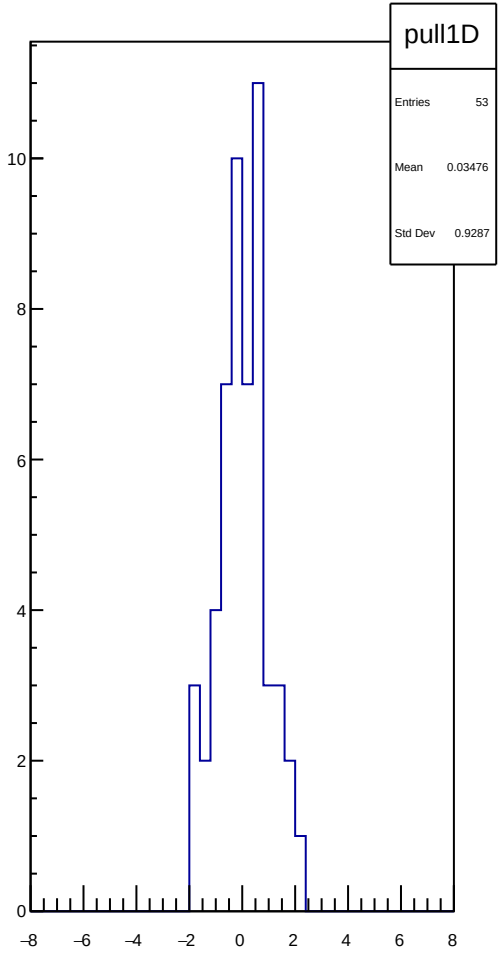

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.09 / 52
p0 0.04288 ± 0.02821
pull
Entries 53
Mean 12.13
Std Dev 35.74

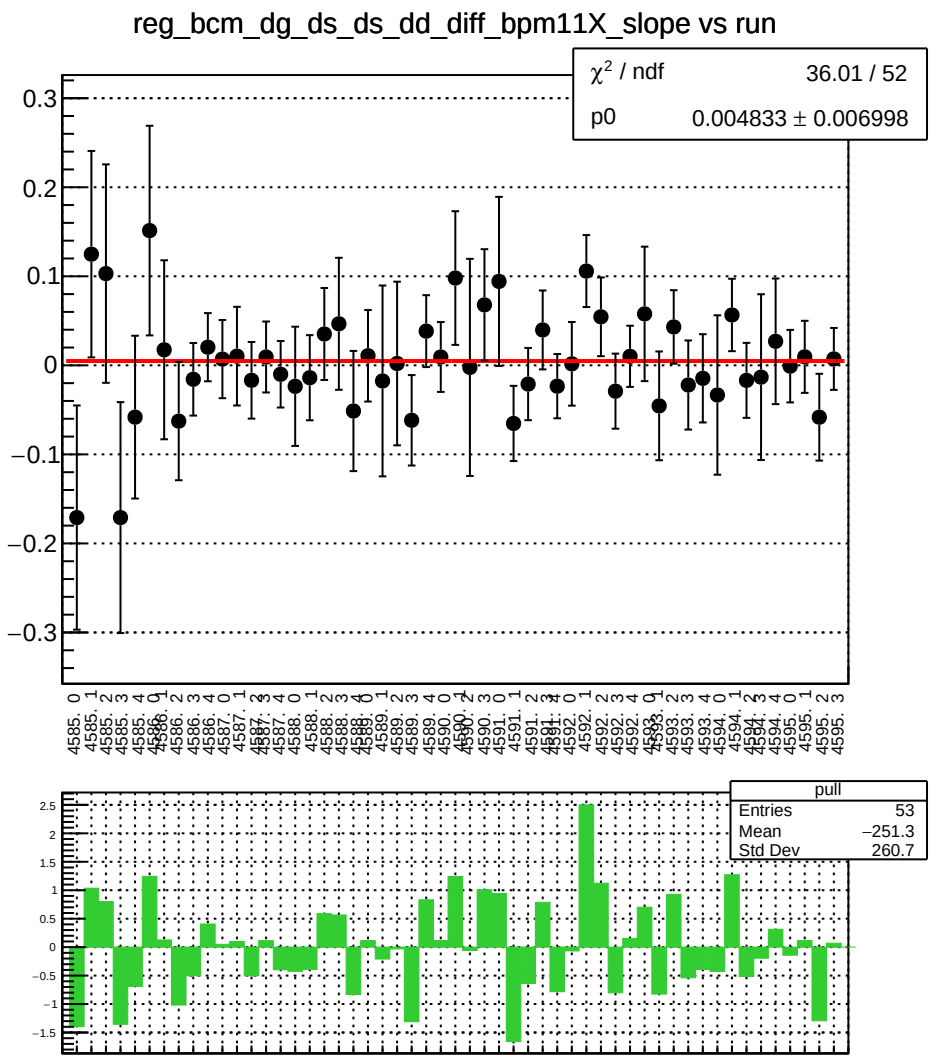

pull1D
Entries 53
Mean −0.03354
Std Dev 0.9319

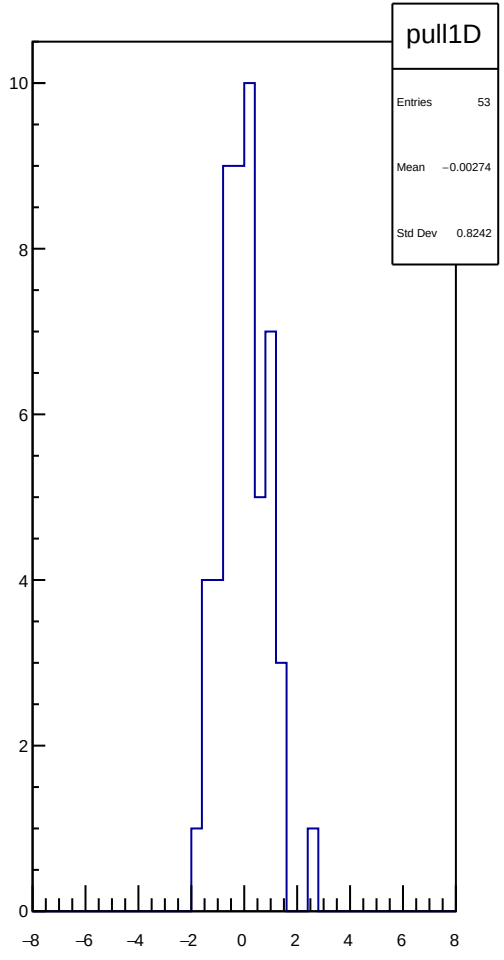

reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.54 / 52
p0 0.02144 ± 0.004383
pull
Entries 53
Mean −109.8
Std Dev 139.6


pull1D
Entries 53
Mean −0.01085
Std Dev 0.7713


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.78 / 52
p0 −0.07596 ± 0.03831
pull
Entries 53
Mean 17.07
Std Dev 36.36


pull1D
Entries 53
Mean 0.03476
Std Dev 0.9287


reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 36.01 / 52
p0 0.004833 ± 0.006998
pull
Entries 53
Mean −251.3
Std Dev 260.7


pull1D
Entries 53
Mean −0.00274
Std Dev 0.8242