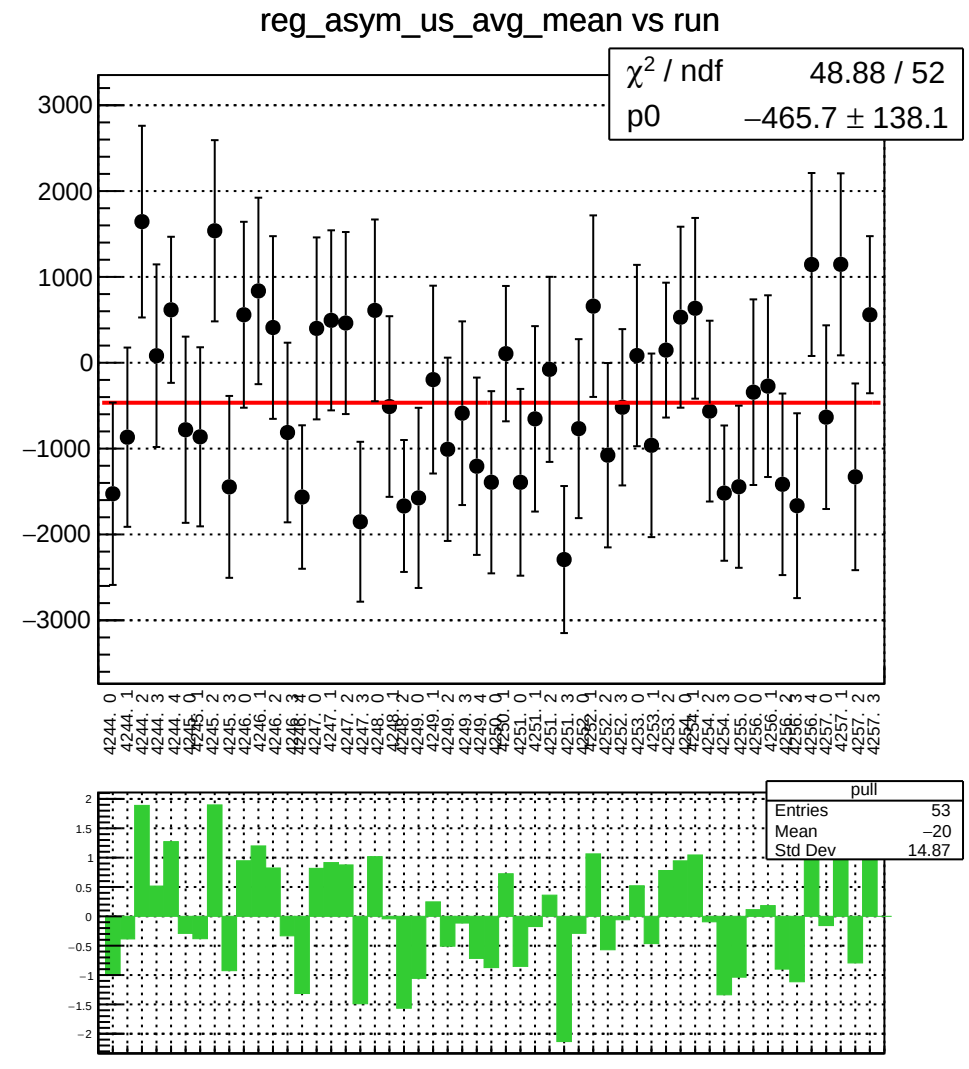
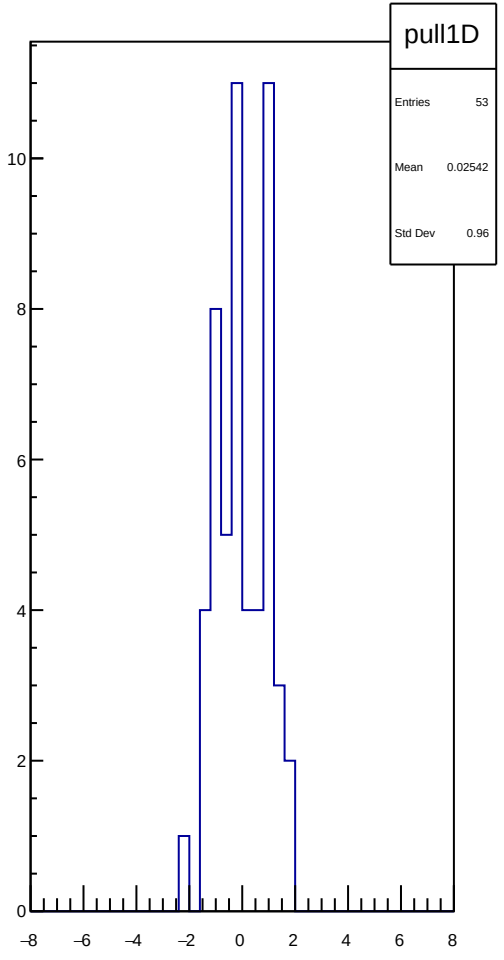
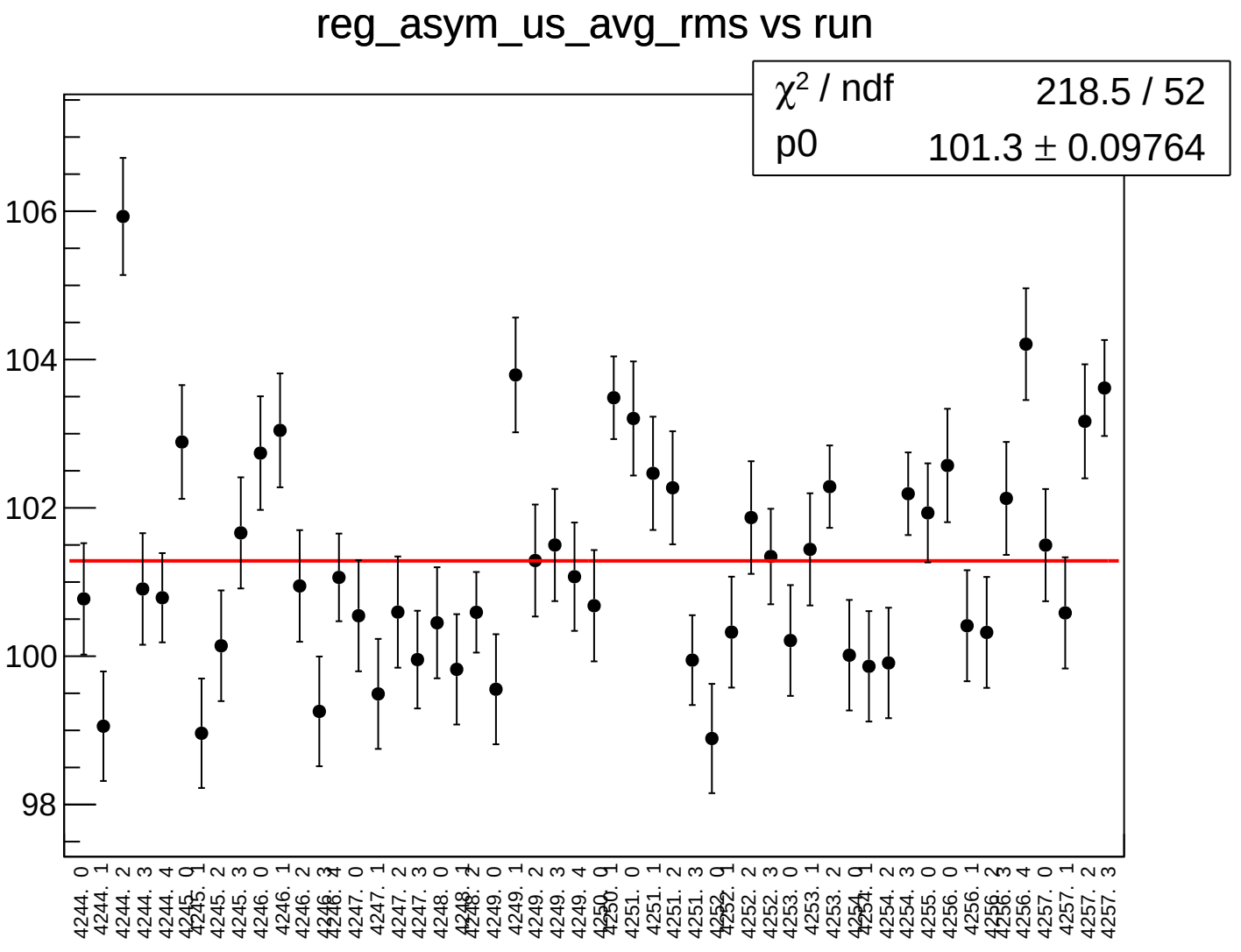
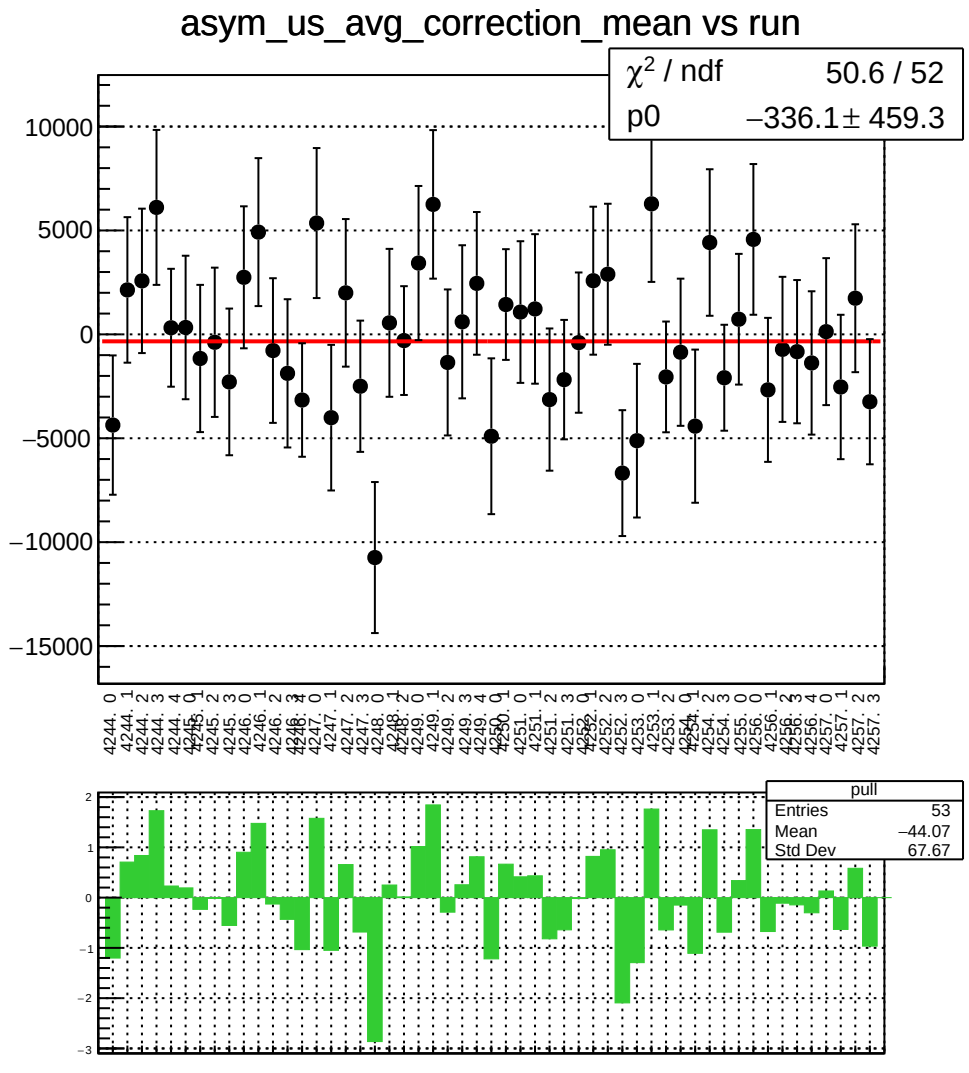
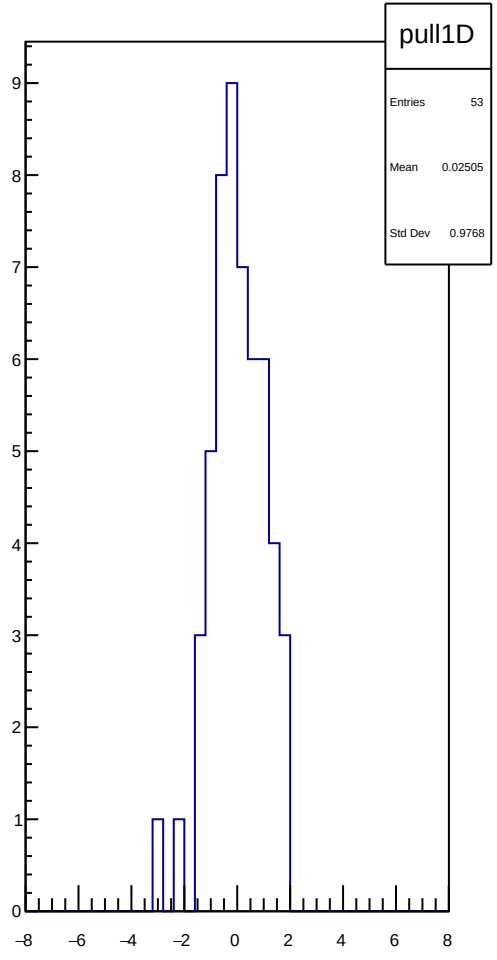
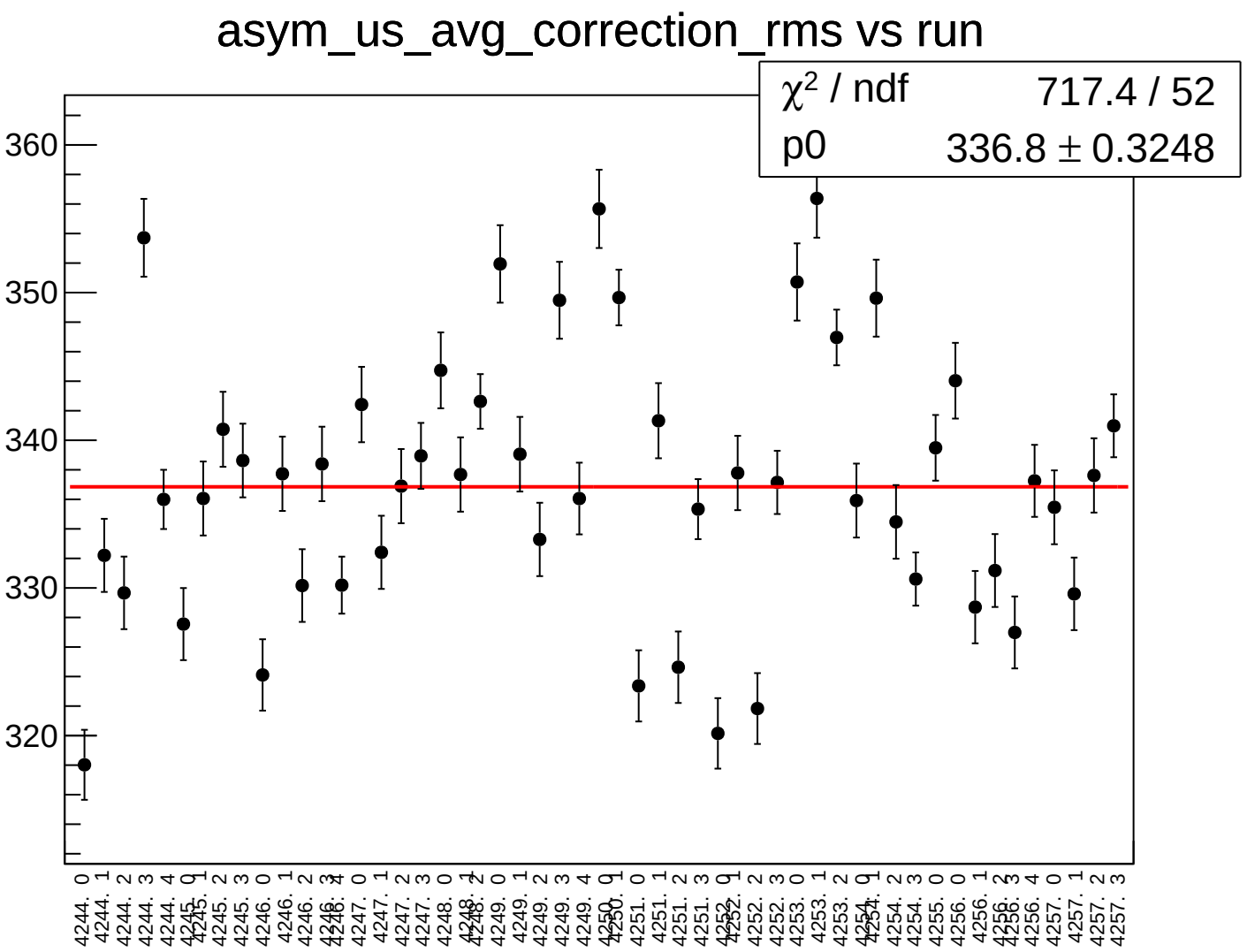

reg_asym_us_avg_mean vs run
χ² / ndf 48.88 / 52
p0 −465.7 ± 138.1
pull
Entries 53
Mean −20
Std Dev 14.87

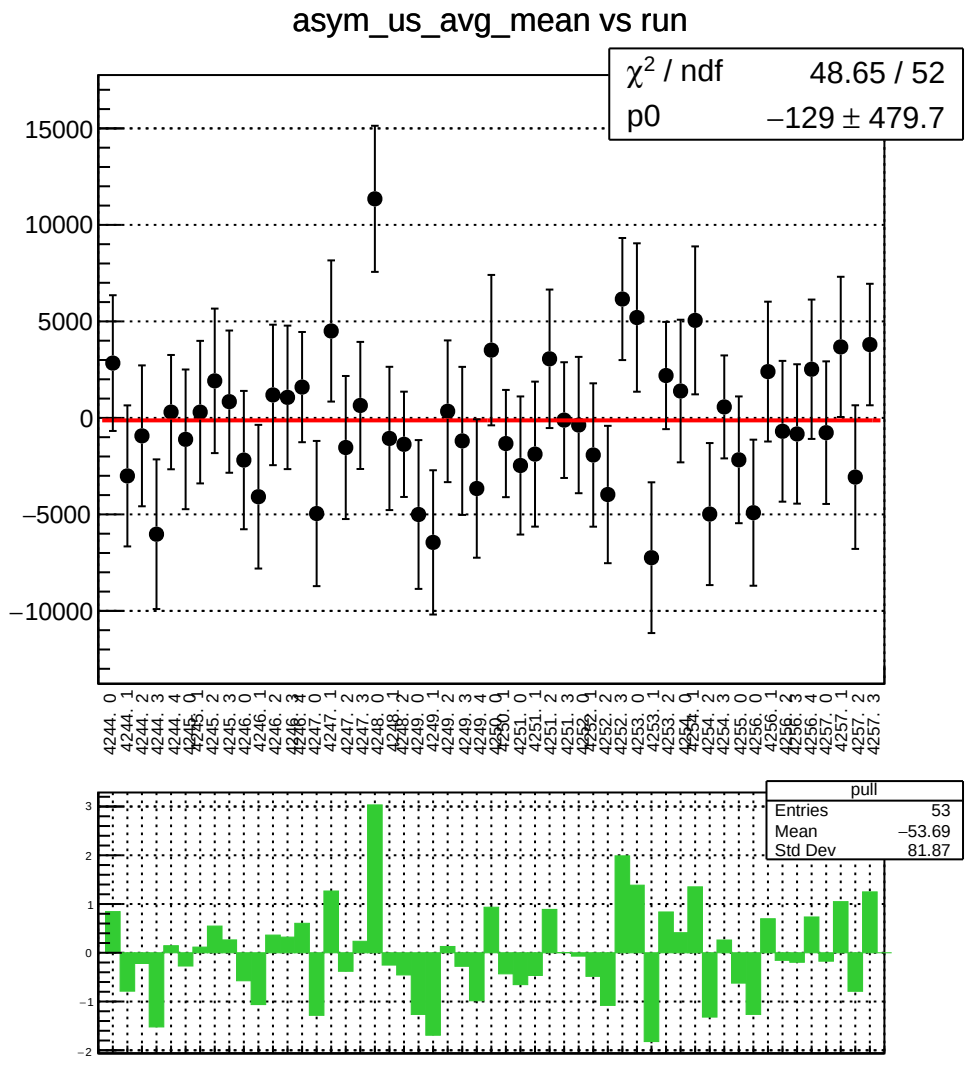

pull1D
Entries 53
Mean 0.02542
Std Dev 0.96

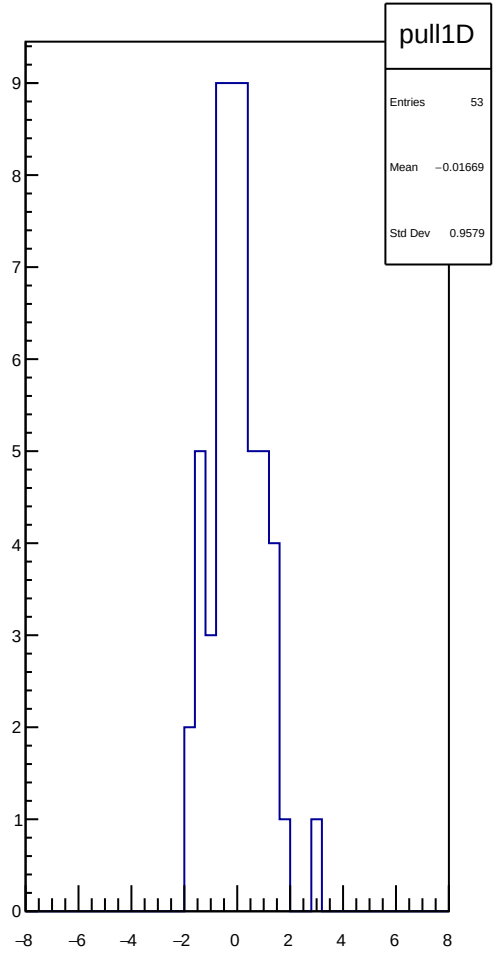

reg_asym_us_avg_rms vs run
χ² / ndf 218.5 / 52
p0 101.3 ± 0.09764
106
104
102
100
98
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

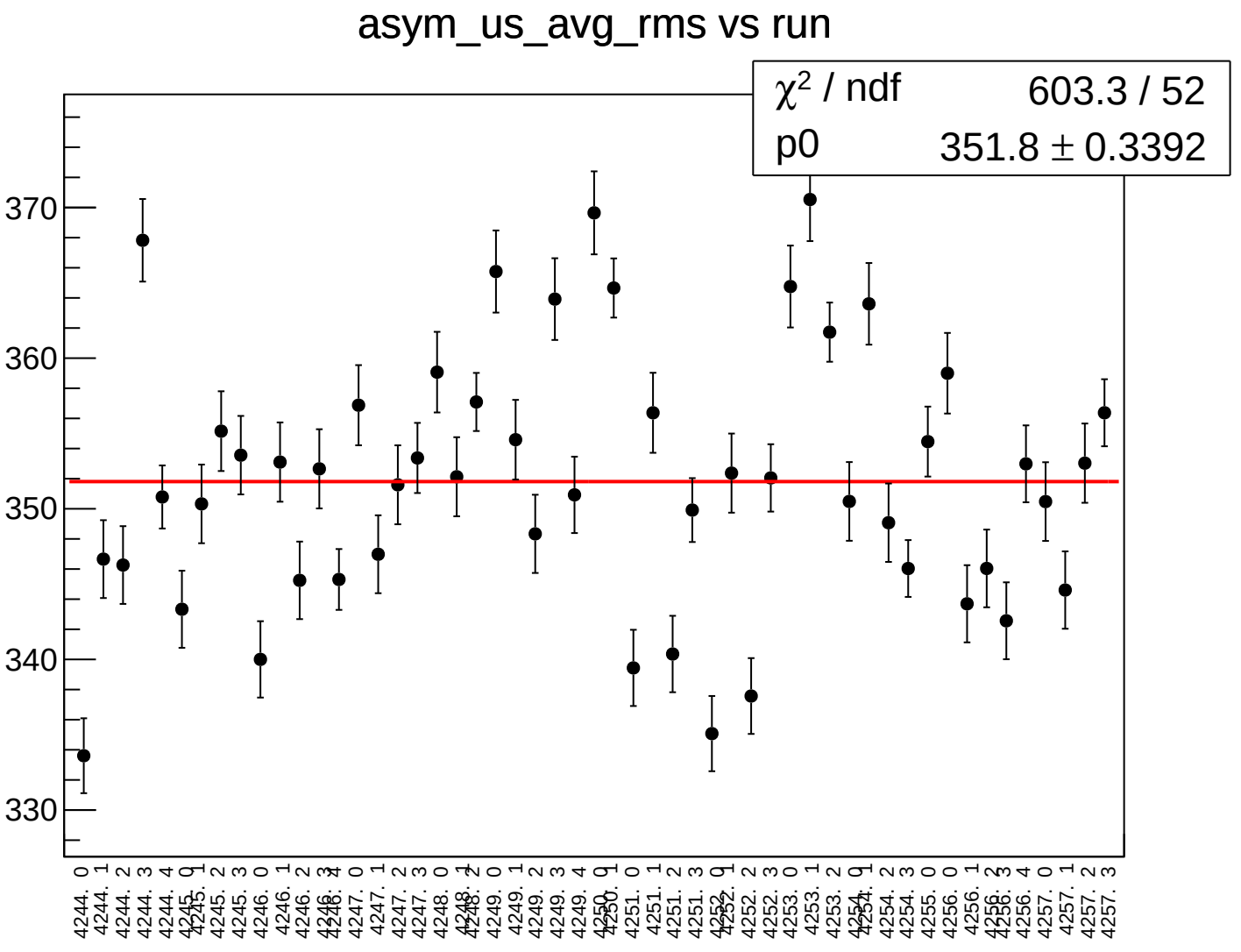

asym_us_avg_correction_mean vs run
χ² / ndf 50.6 / 52
p0 −336.1 ± 459.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −44.07
Std Dev 67.67
2
1
0
−1
−2
−3

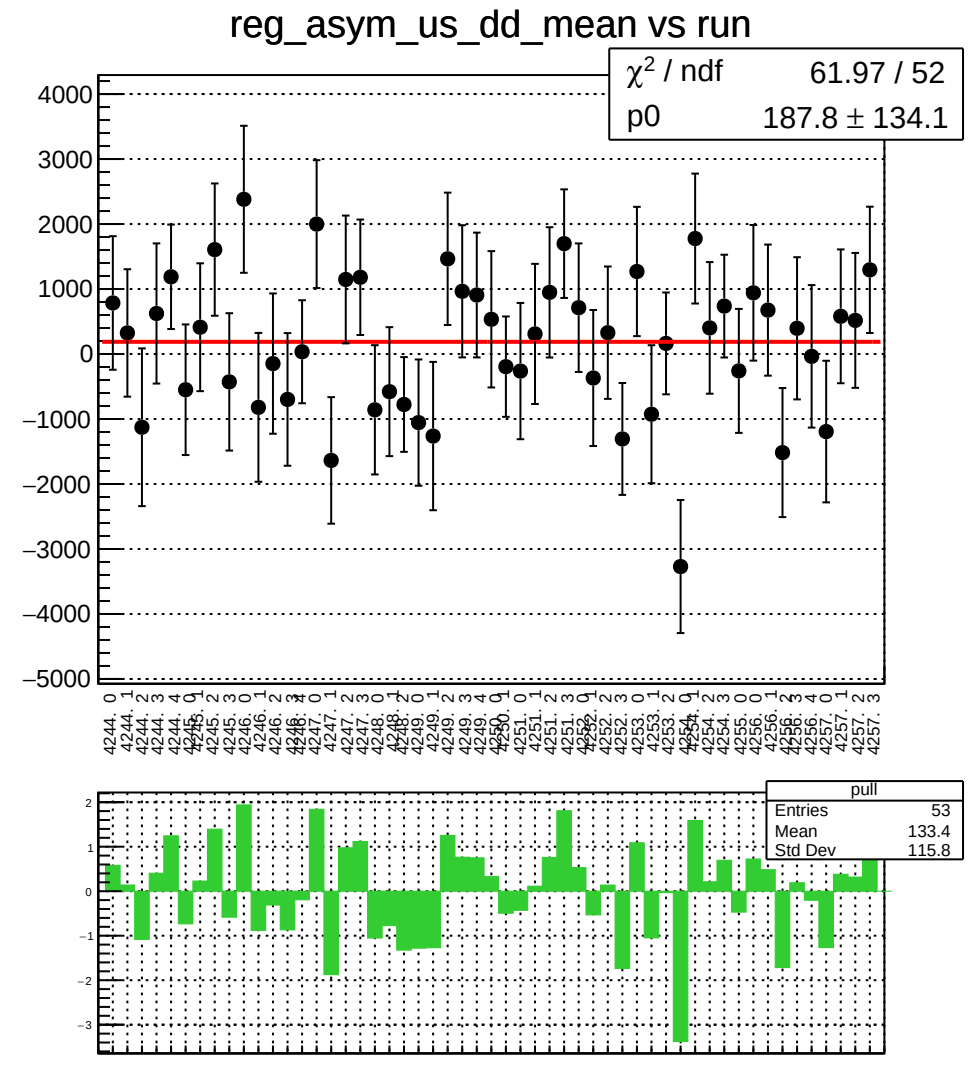

pull1D
Entries 53
Mean 0.02505
Std Dev 0.9768
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

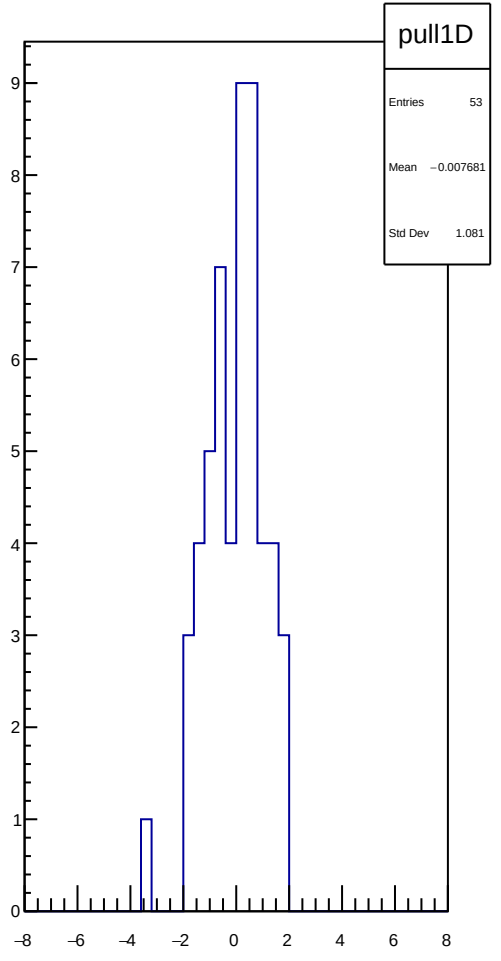

asym_us_avg_correction_rms vs run
χ² / ndf 717.4 / 52
p0 336.8 ± 0.3248
360
350
340
330
320
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

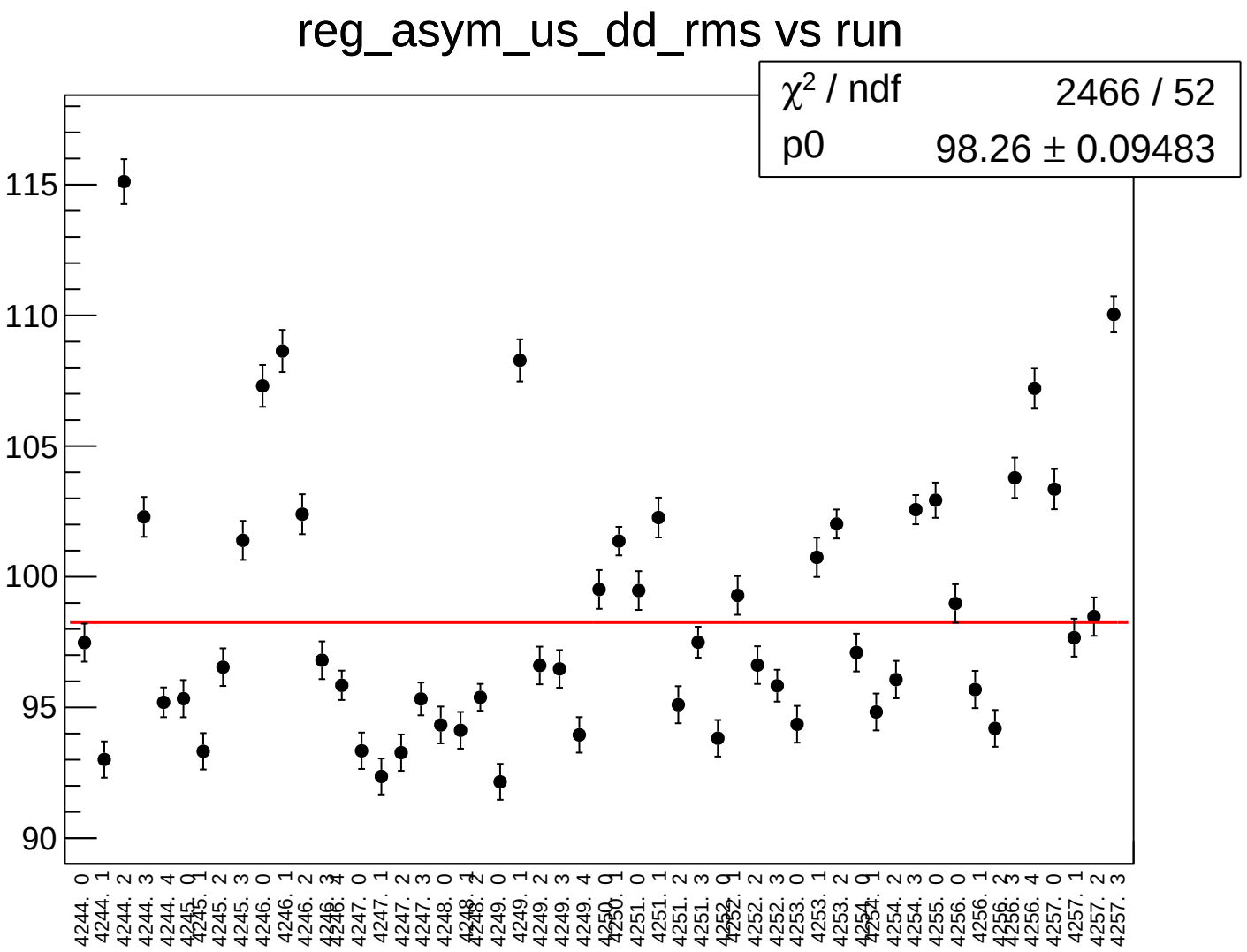

asym_us_avg_mean vs run
χ² / ndf 48.65 / 52
p0 −129 ± 479.7
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −53.69
Std Dev 81.87
3
2
1
0
−1
−2

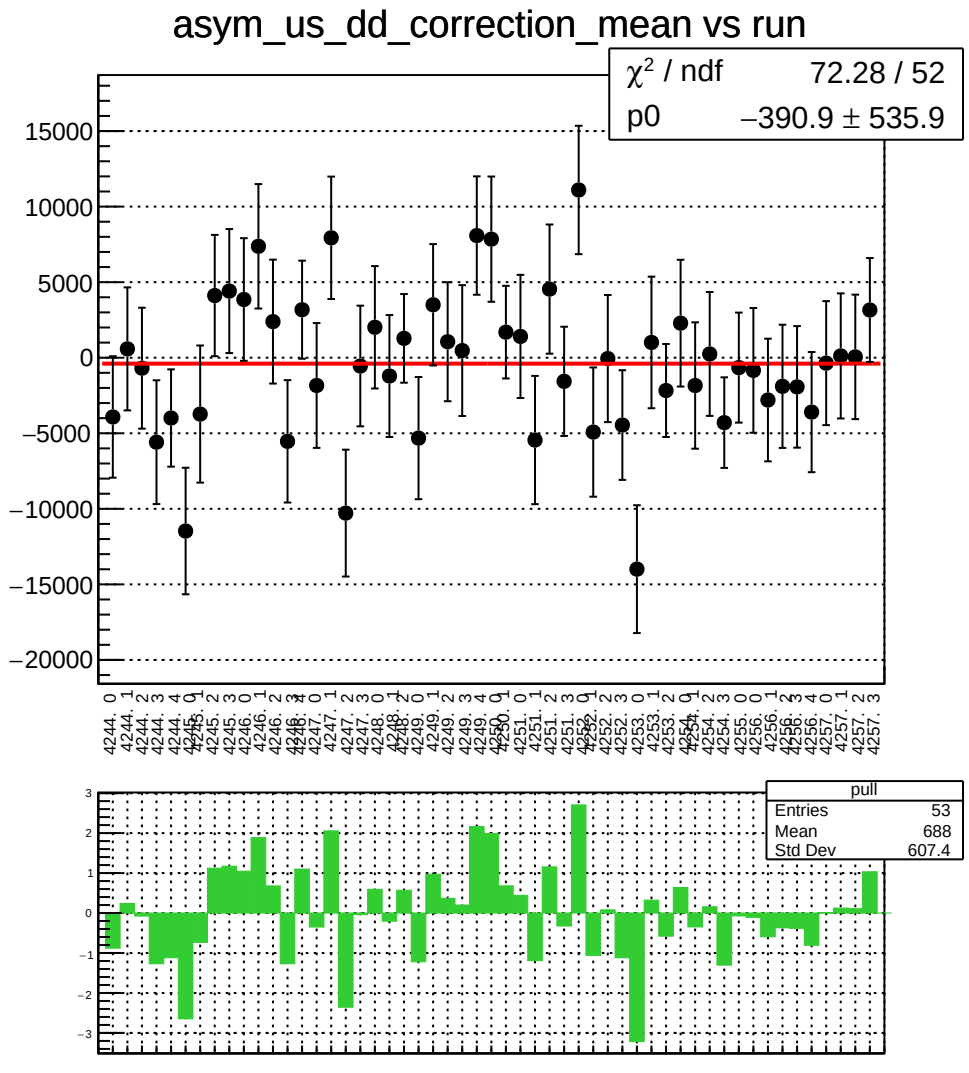

pull1D
Entries 53
Mean −0.01669
Std Dev 0.9579
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

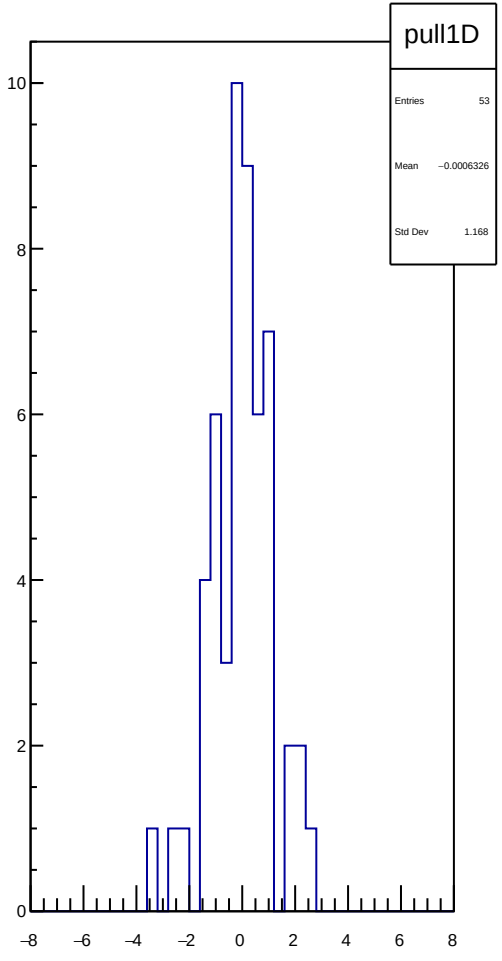

asym_us_avg_rms vs run
χ² / ndf 603.3 / 52
p0 351.8 ± 0.3392
370
360
350
340
330
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

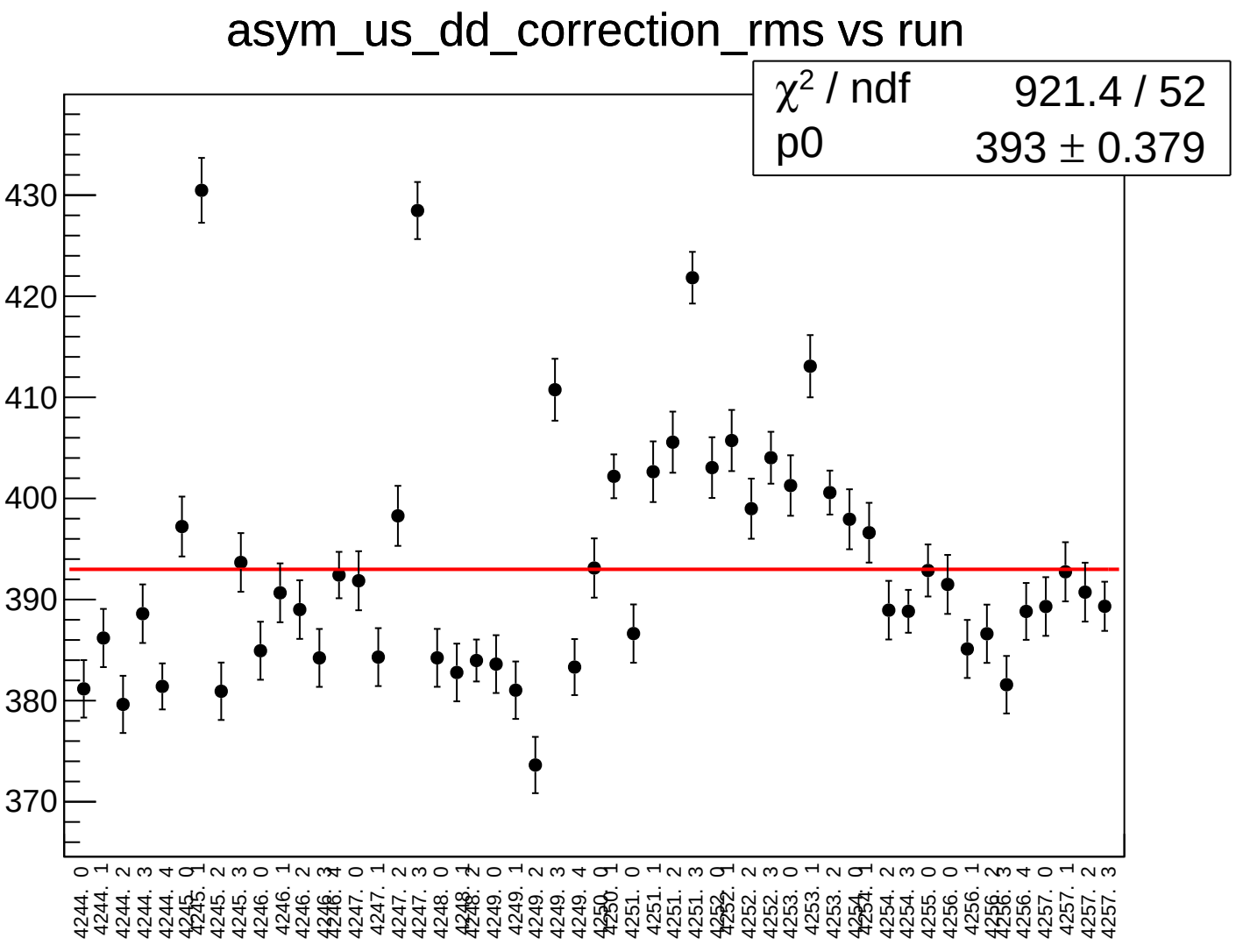

reg_asym_us_dd_mean vs run
χ² / ndf 61.97 / 52
p0 187.8 ± 134.1
pull
Entries 53
Mean 133.4
Std Dev 115.8

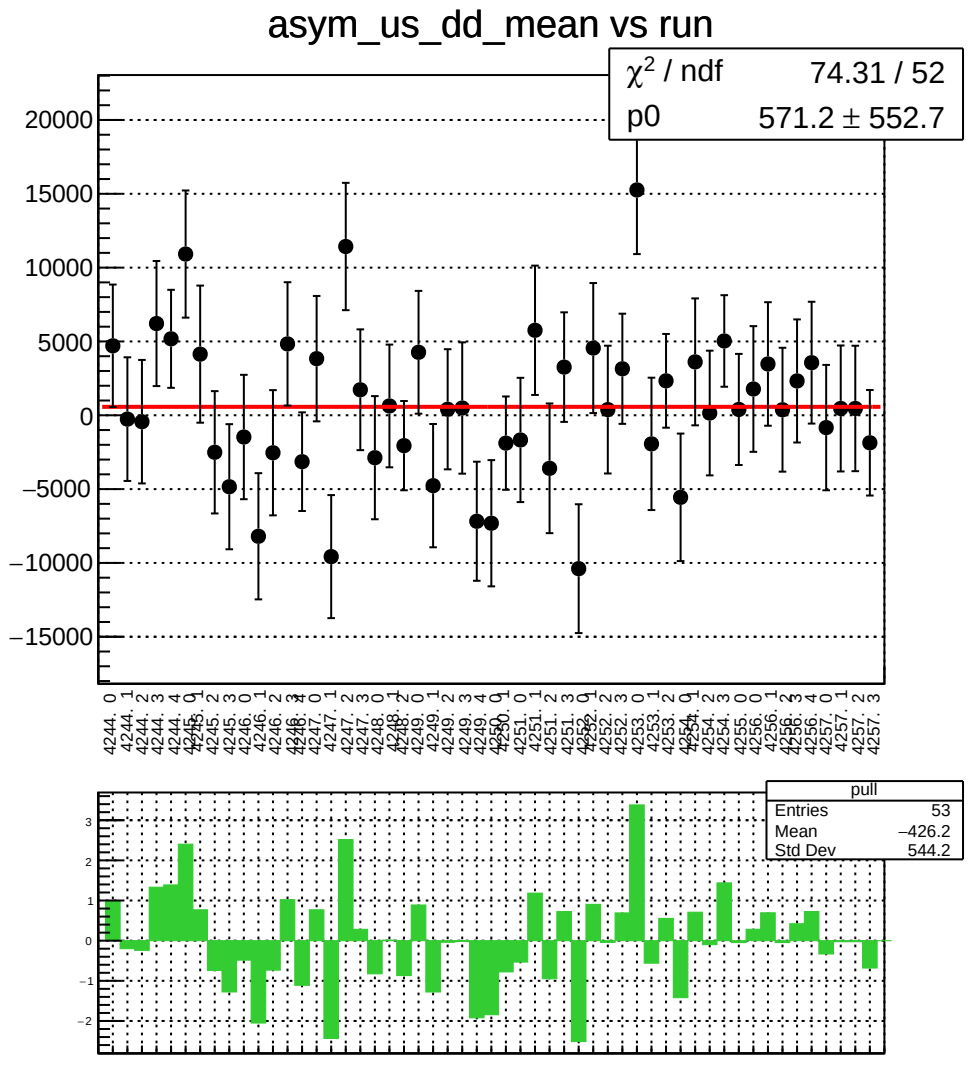

pull1D
Entries 53
Mean −0.007681
Std Dev 1.081

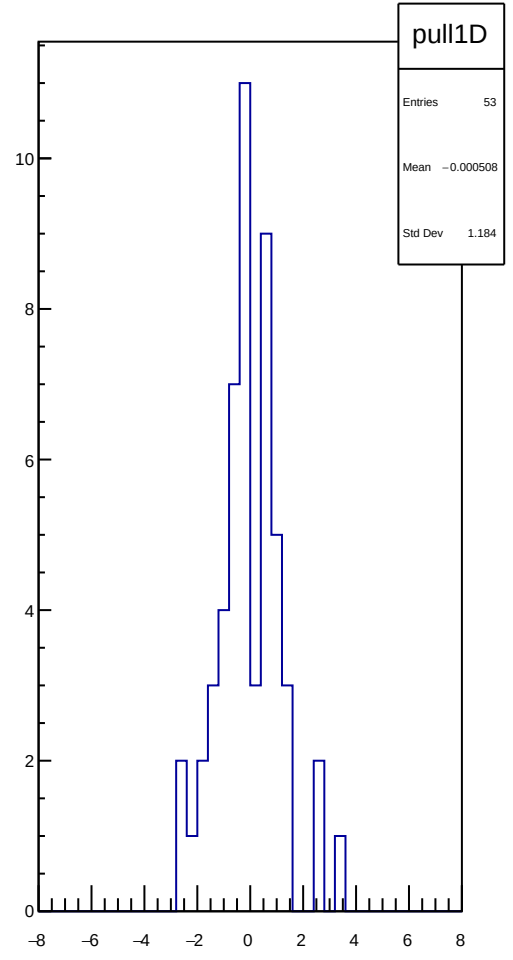

reg_asym_us_dd_rms vs run
χ² / ndf 2466 / 52
p0 98.26 ± 0.09483
115
110
105
100
95
90
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

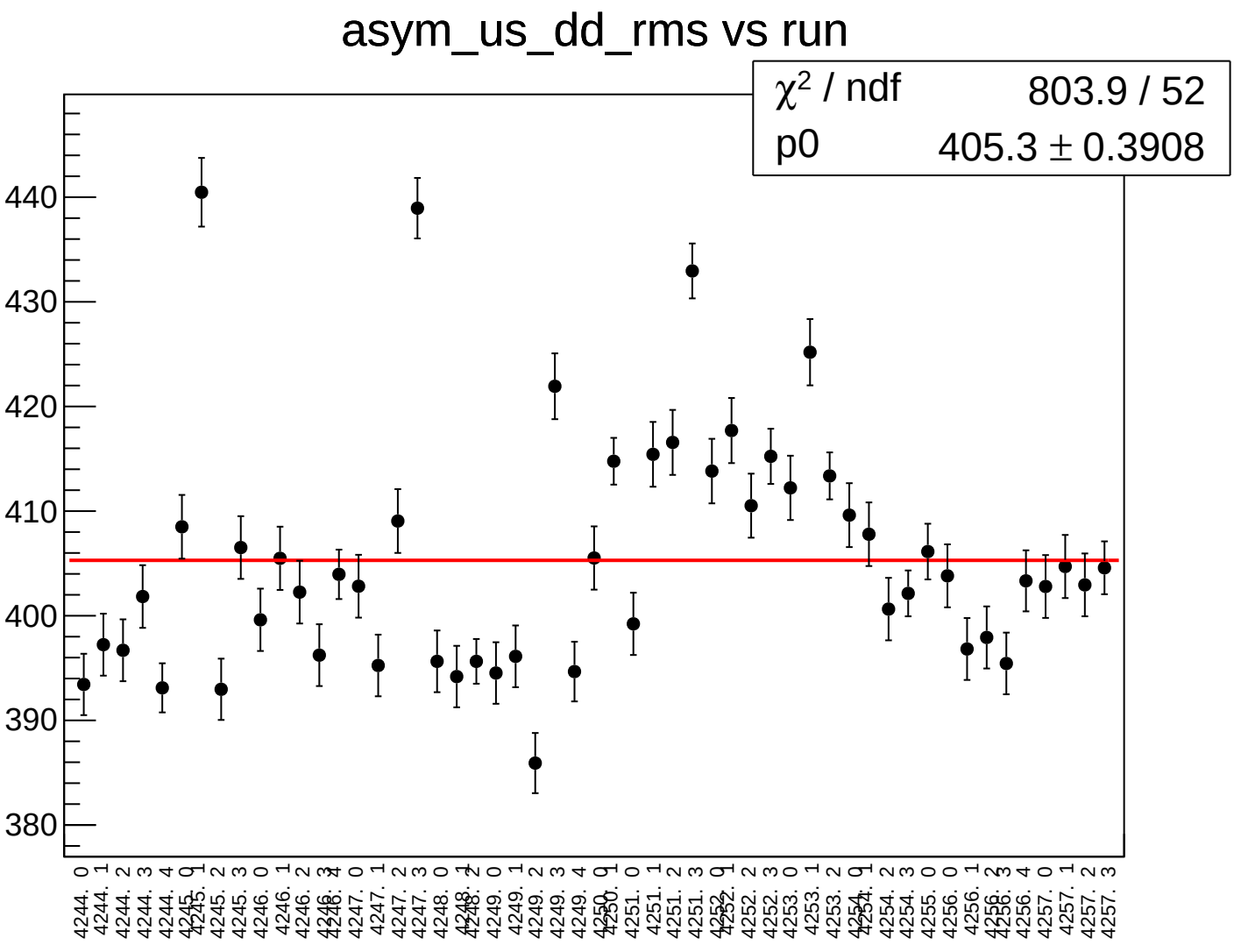

asym_us_dd_correction_mean vs run
χ² / ndf 72.28 / 52
p0 −390.9 ± 535.9
pull
Entries 53
Mean 688
Std Dev 607.4

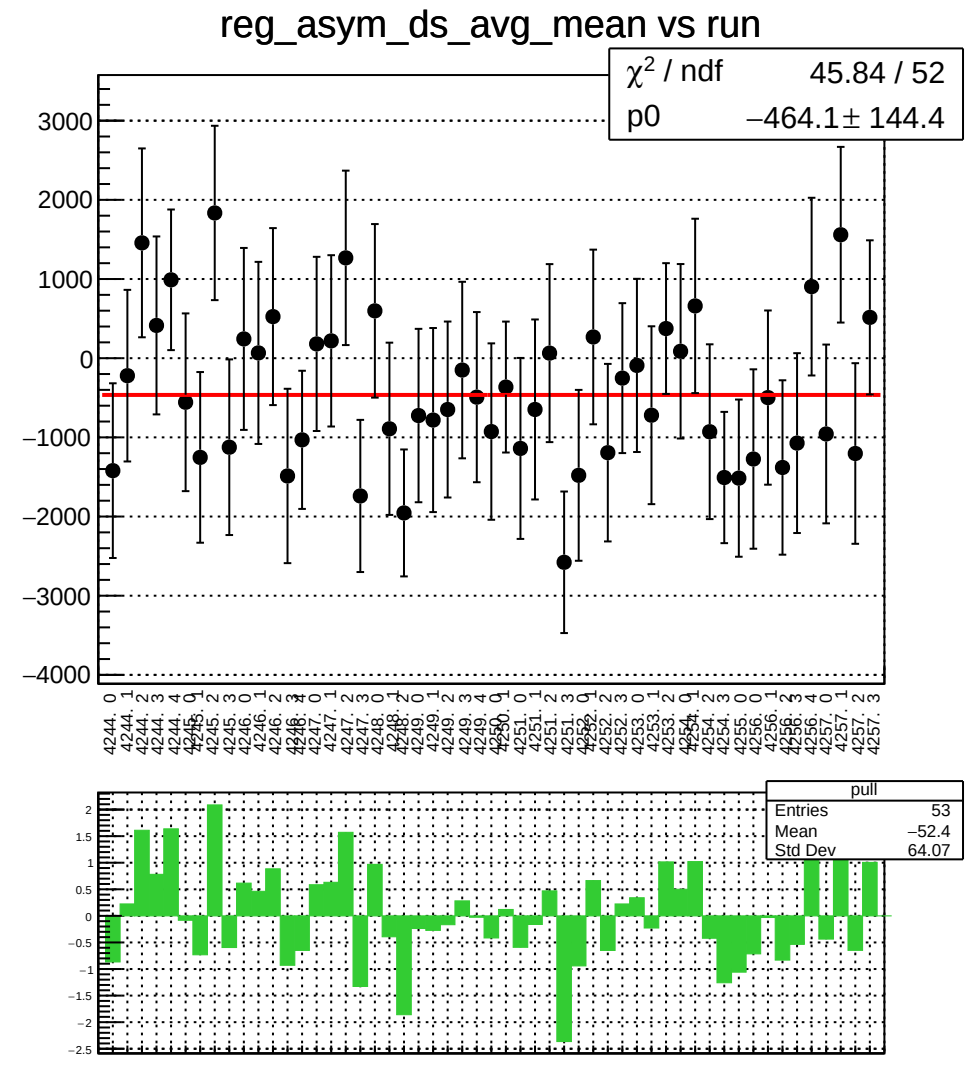

pull1D
Entries 53
Mean −0.0006326
Std Dev 1.168

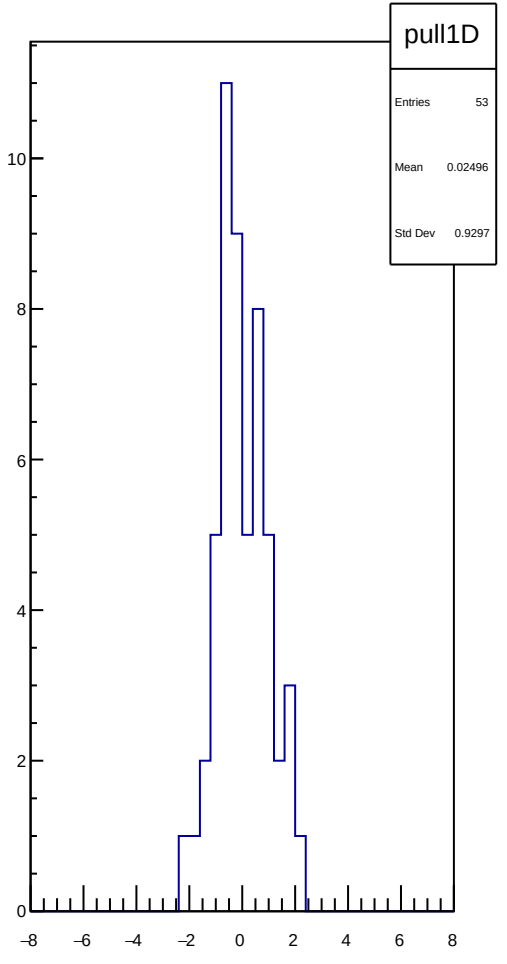

asym_us_dd_correction_rms vs run
χ² / ndf 921.4 / 52
p0 393 ± 0.379
430
420
410
400
390
380
370
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

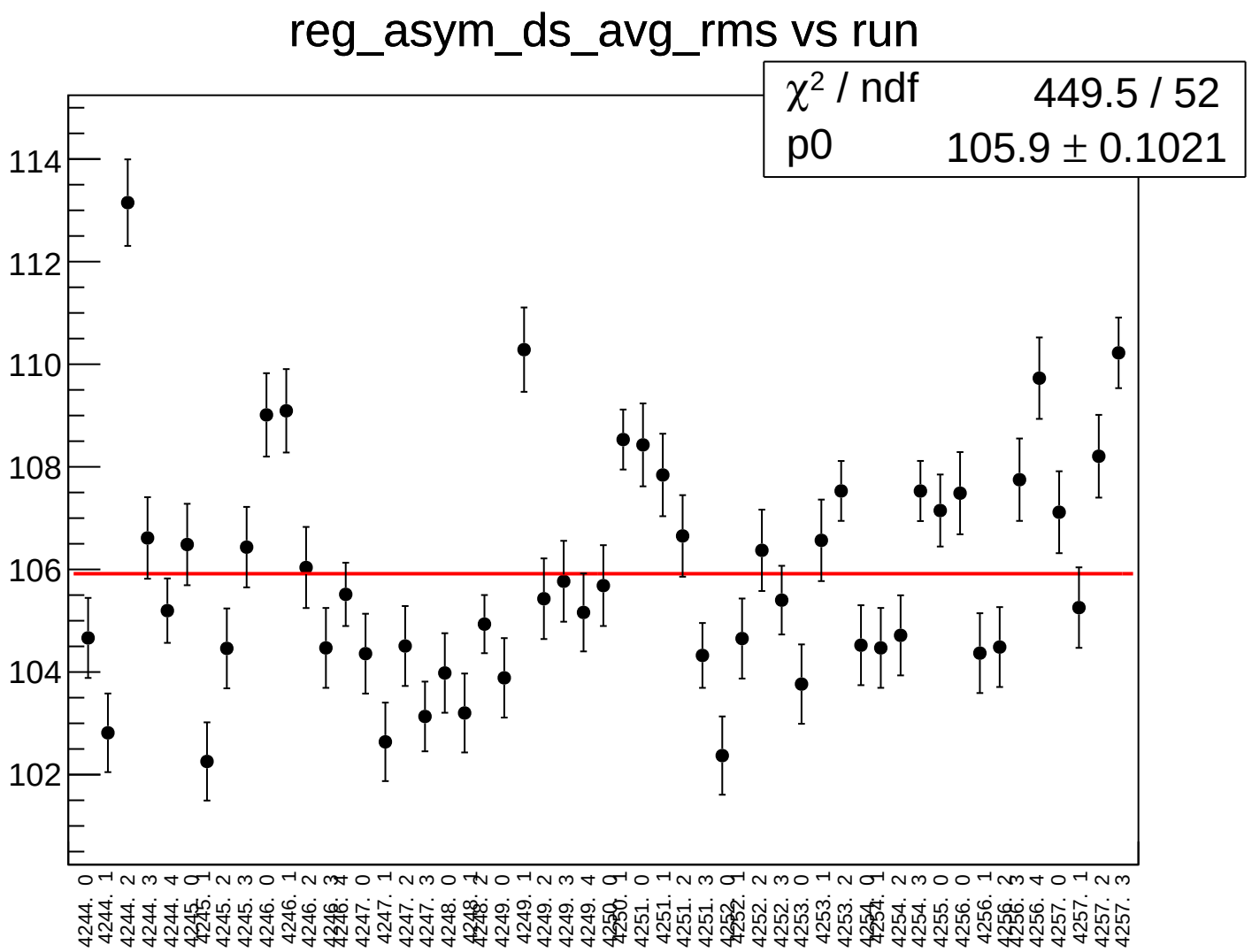

asym_us_dd_mean vs run
χ² / ndf 74.31 / 52
p0 571.2 ± 552.7
pull
Entries 53
Mean −426.2
Std Dev 544.2


pull1D
Entries 53
Mean −0.000508
Std Dev 1.184


asym_us_dd_rms vs run
χ^2 / ndf 803.9 / 52
p0 405.3 ± 0.3908
440
430
420
410
400
390
380
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


reg_asym_ds_avg_mean vs run
χ² / ndf 45.84 / 52
p0 −464.1± 144.4
pull
Entries 53
Mean −52.4
Std Dev 64.07


pull1D
Entries 53
Mean 0.02496
Std Dev 0.9297


reg_asym_ds_avg_rms vs run
χ² / ndf 449.5 / 52
p0 105.9 ± 0.1021
114
112
110
108
106
104
102
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
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4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
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4252. 3
4253. 0
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4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
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4256. 2
4256. 3
4256. 4
4257. 0
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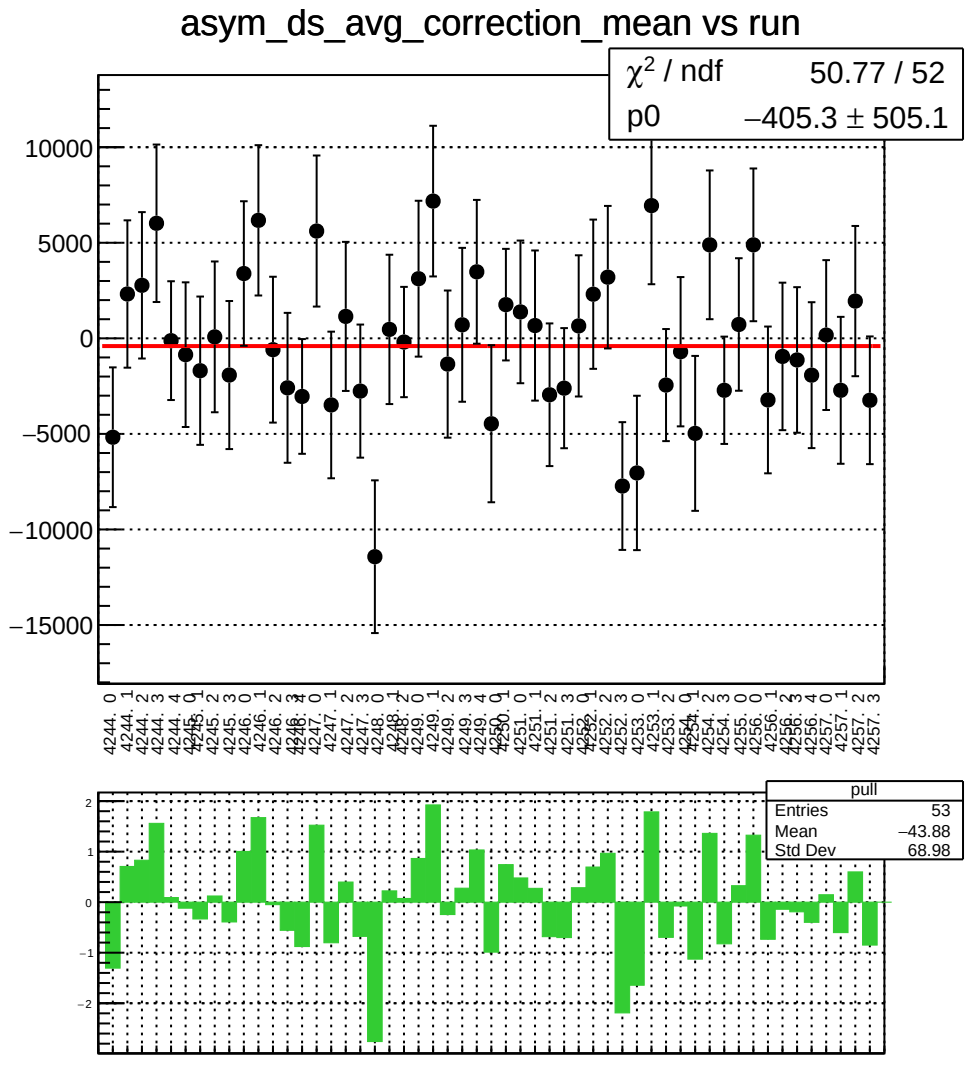
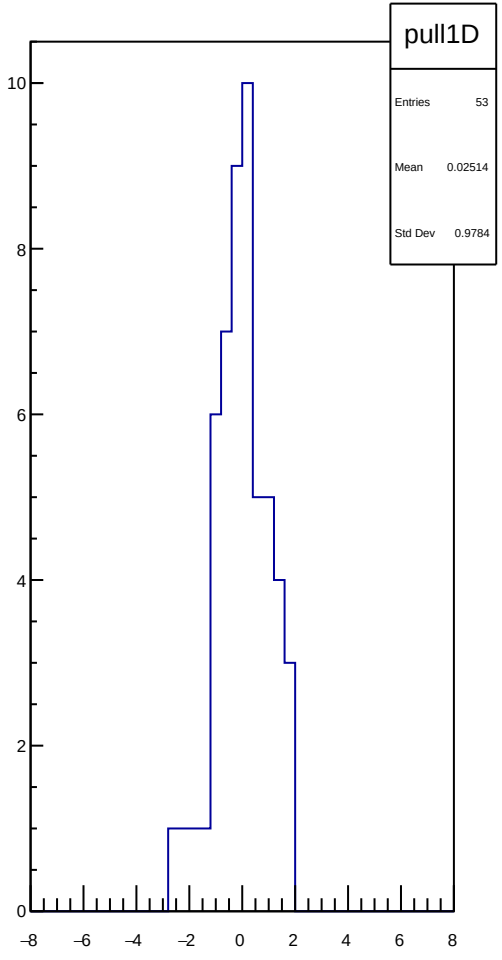
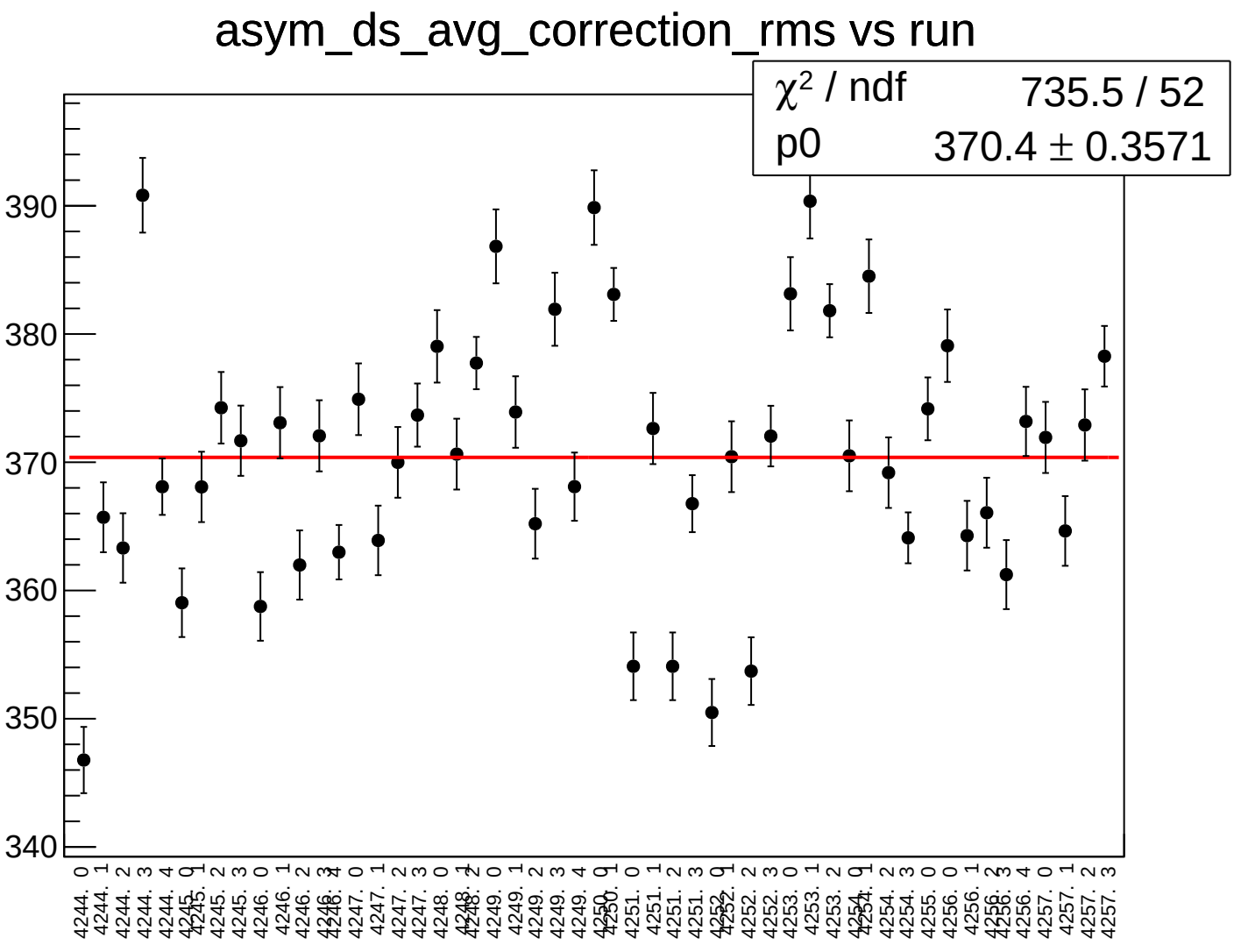
4257. 2
4257. 3


asym_ds_avg_correction_mean vs run
χ² / ndf 50.77 / 52
p0 −405.3 ± 505.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −43.88
Std Dev 68.98
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.02514
Std Dev 0.9784
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_avg_correction_rms vs run
χ² / ndf 735.5 / 52
p0 370.4 ± 0.3571
390
380
370
360
350
340
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
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4253. 0
4253. 1
4253. 2
4253. 3
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4254. 1
4254. 2
4254. 3
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4256. 4
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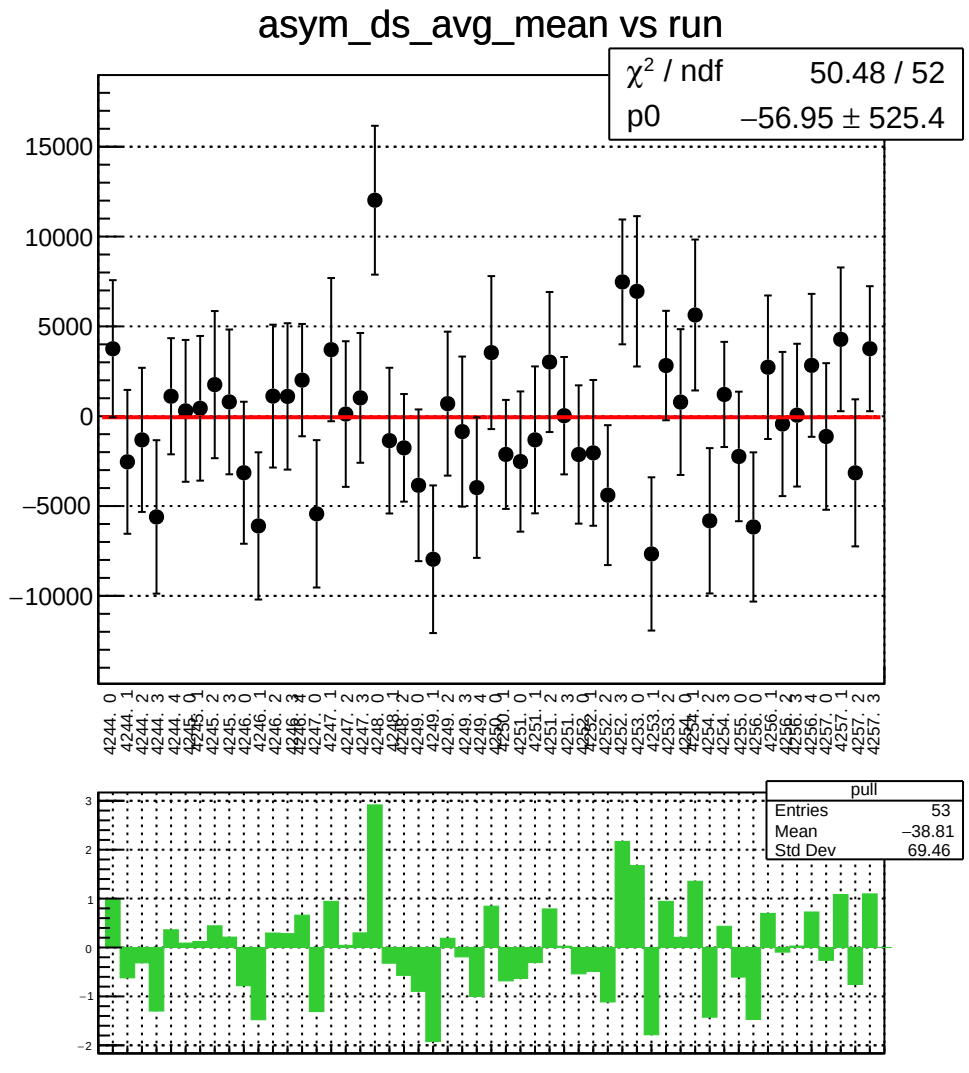
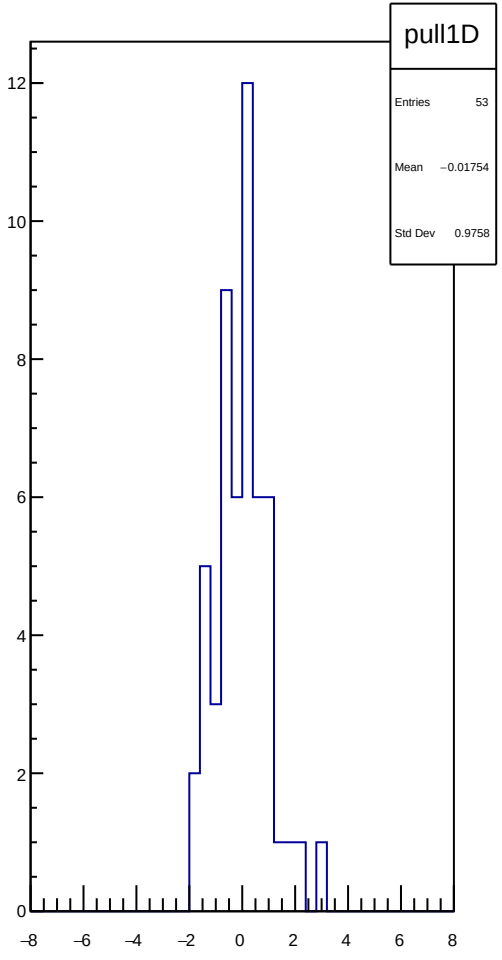
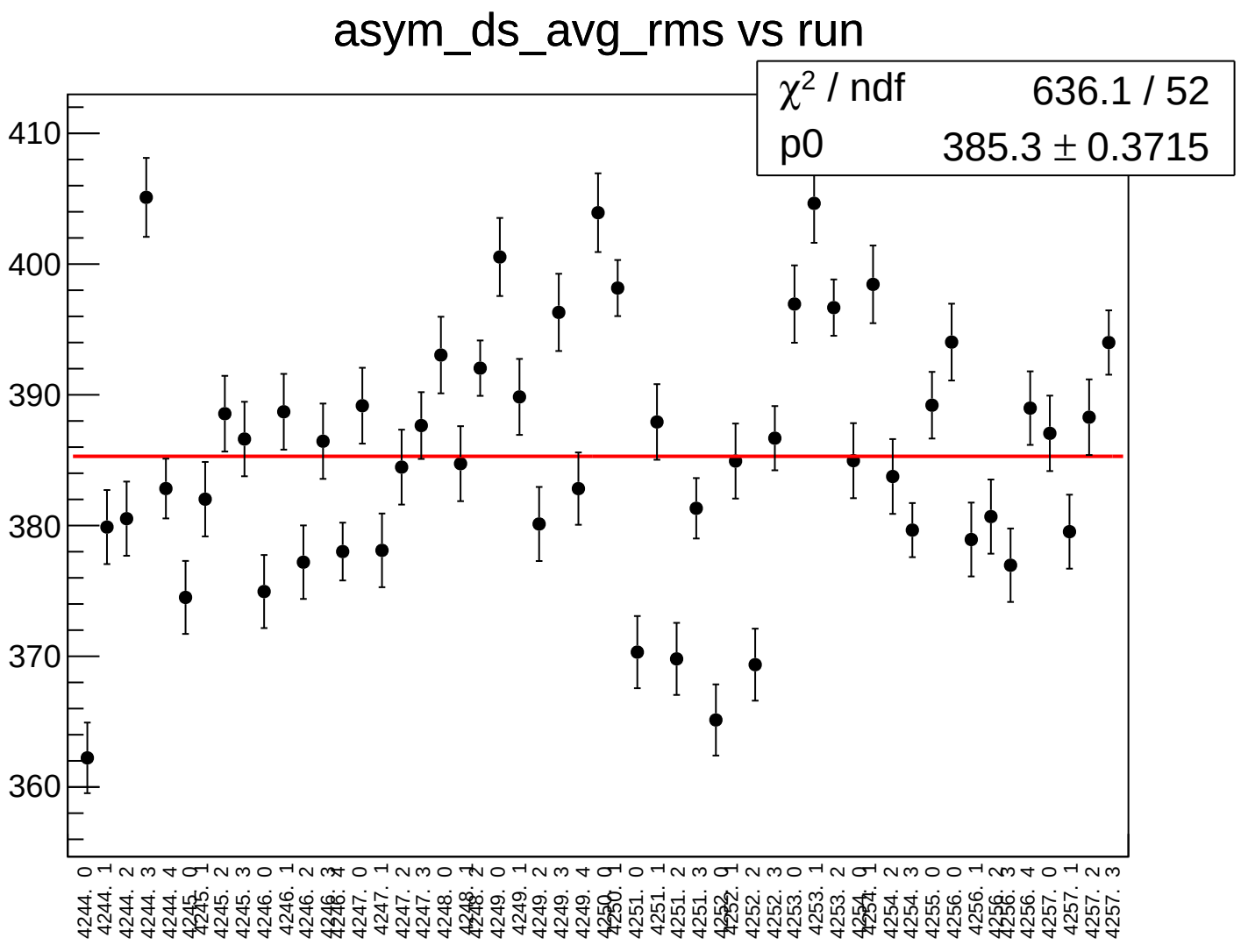
4257. 3


asym_ds_avg_mean vs run
χ² / ndf 50.48 / 52
p0 −56.95 ± 525.4
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −38.81
Std Dev 69.46
3
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01754
Std Dev 0.9758
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_avg_rms vs run
χ² / ndf 636.1 / 52
p0 385.3 ± 0.3715
410
400
390
380
370
360
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
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4247. 2
4247. 3
4248. 0
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4248. 2
4249. 0
4249. 1
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4249. 4
4250. 0
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4252. 0
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4253. 0
4253. 1
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4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
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4256. 2
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4256. 4
4257. 0
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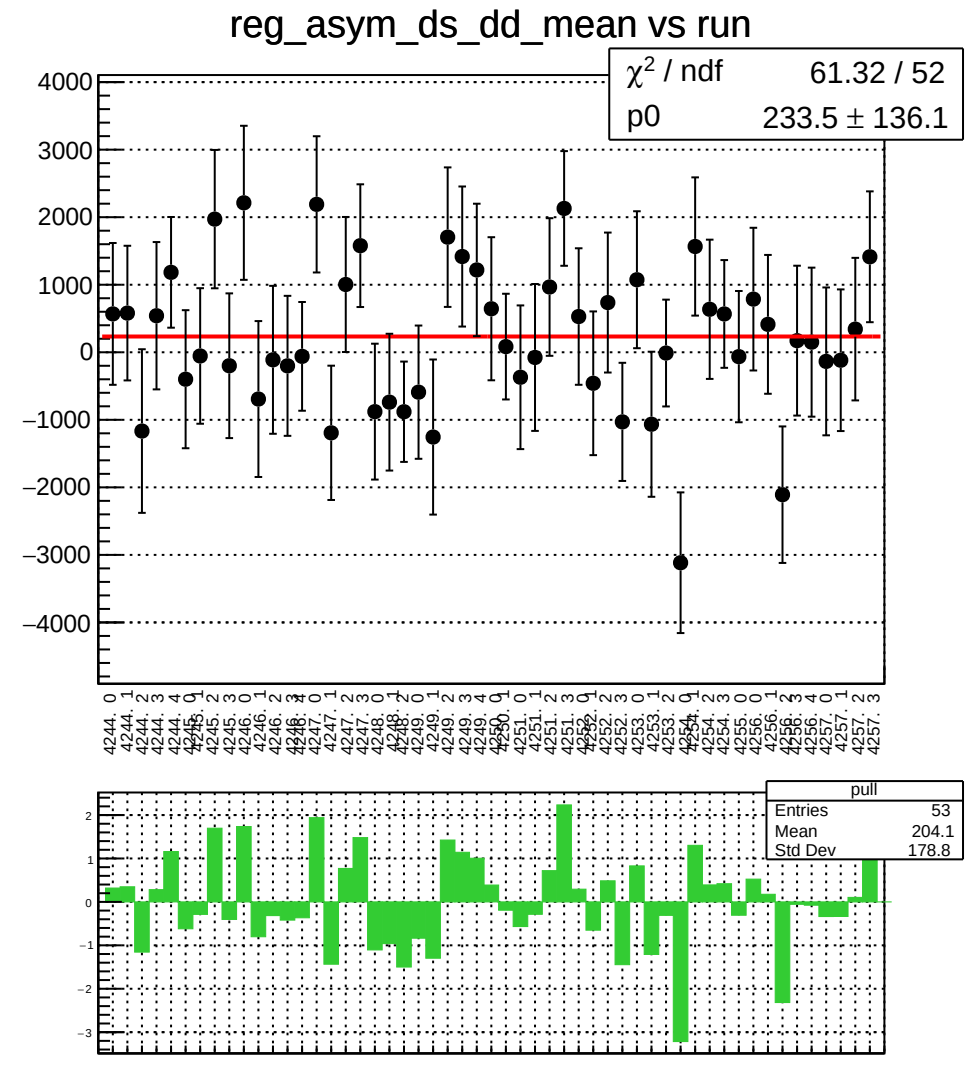
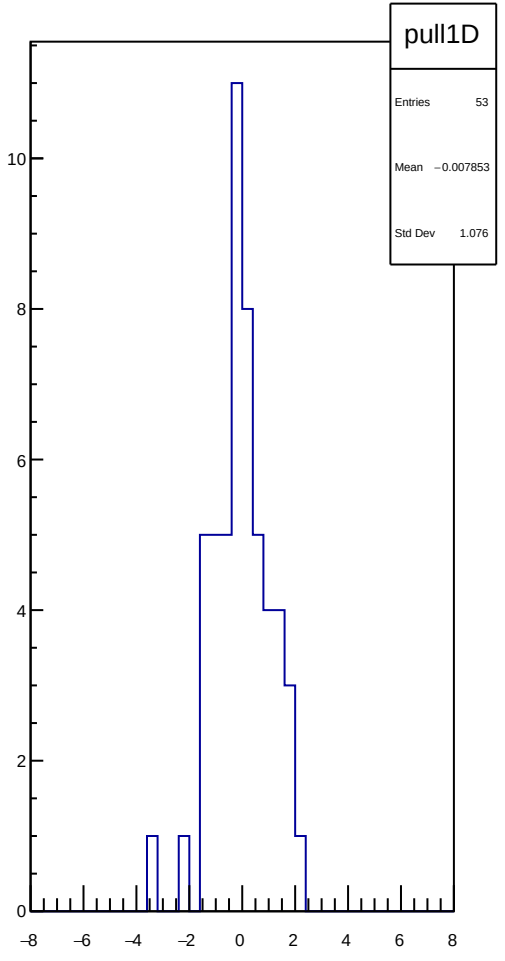
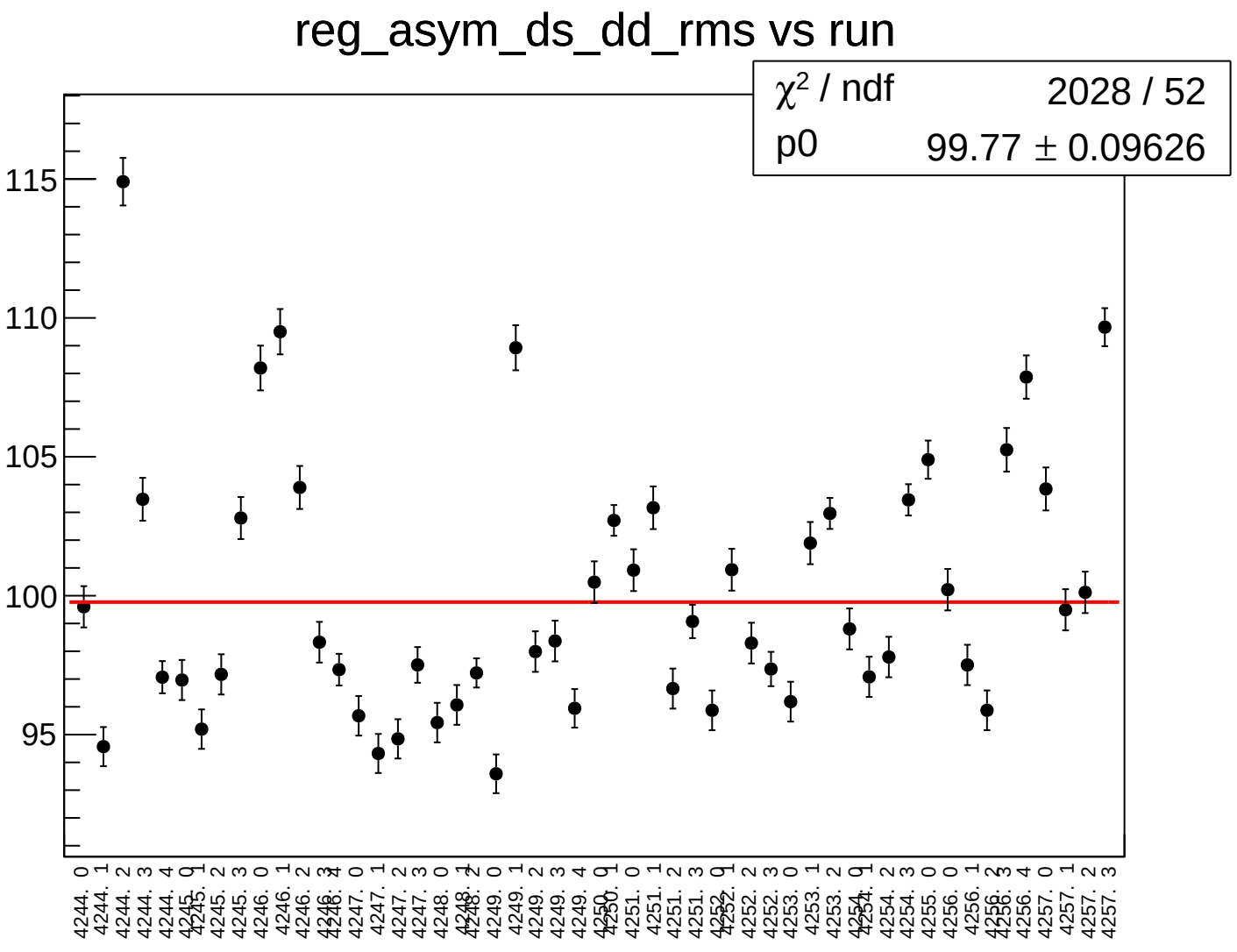
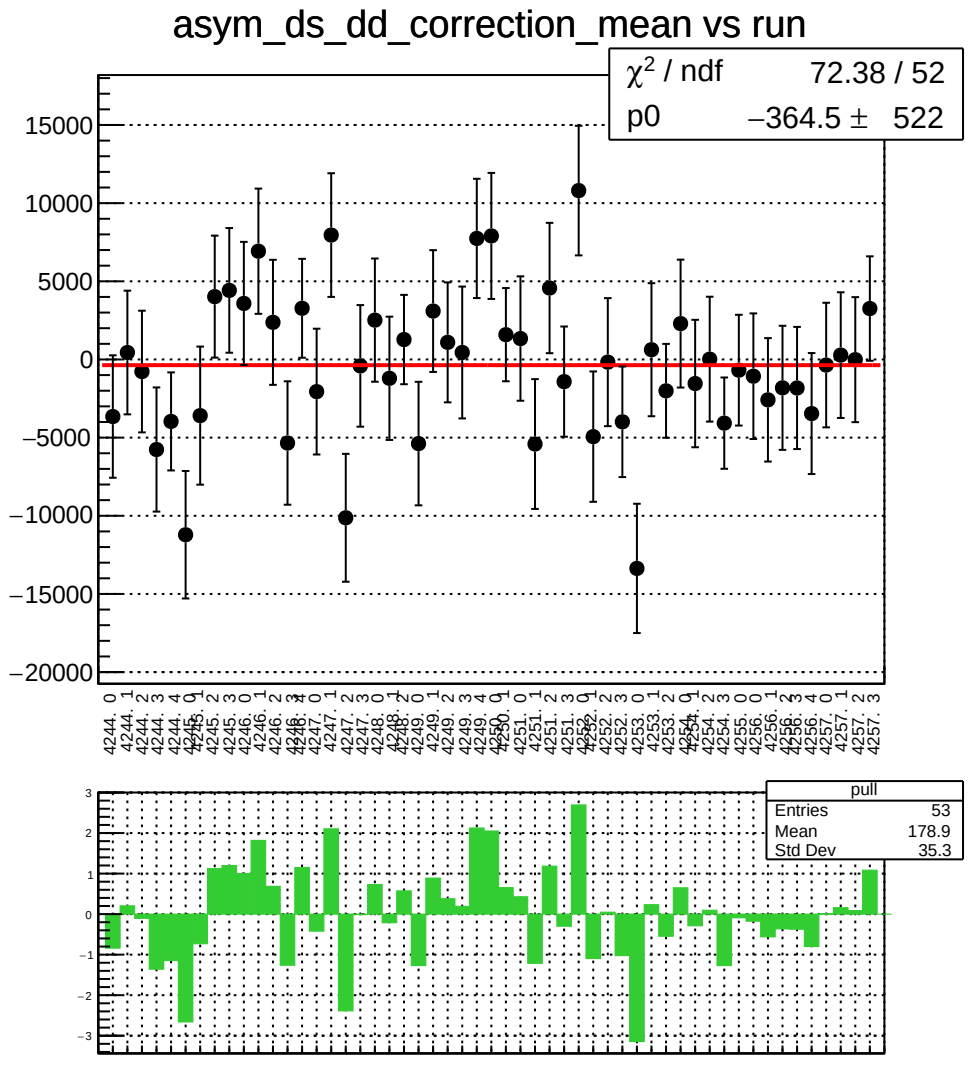
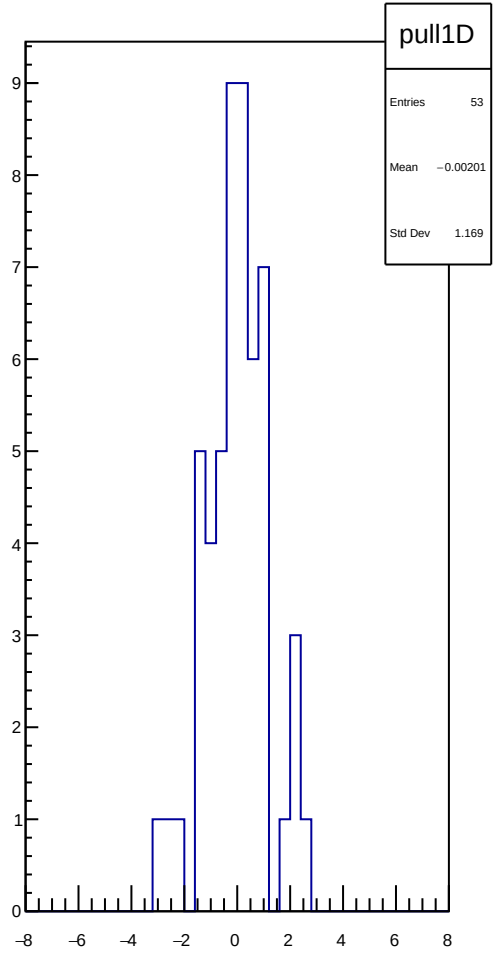
4257. 3

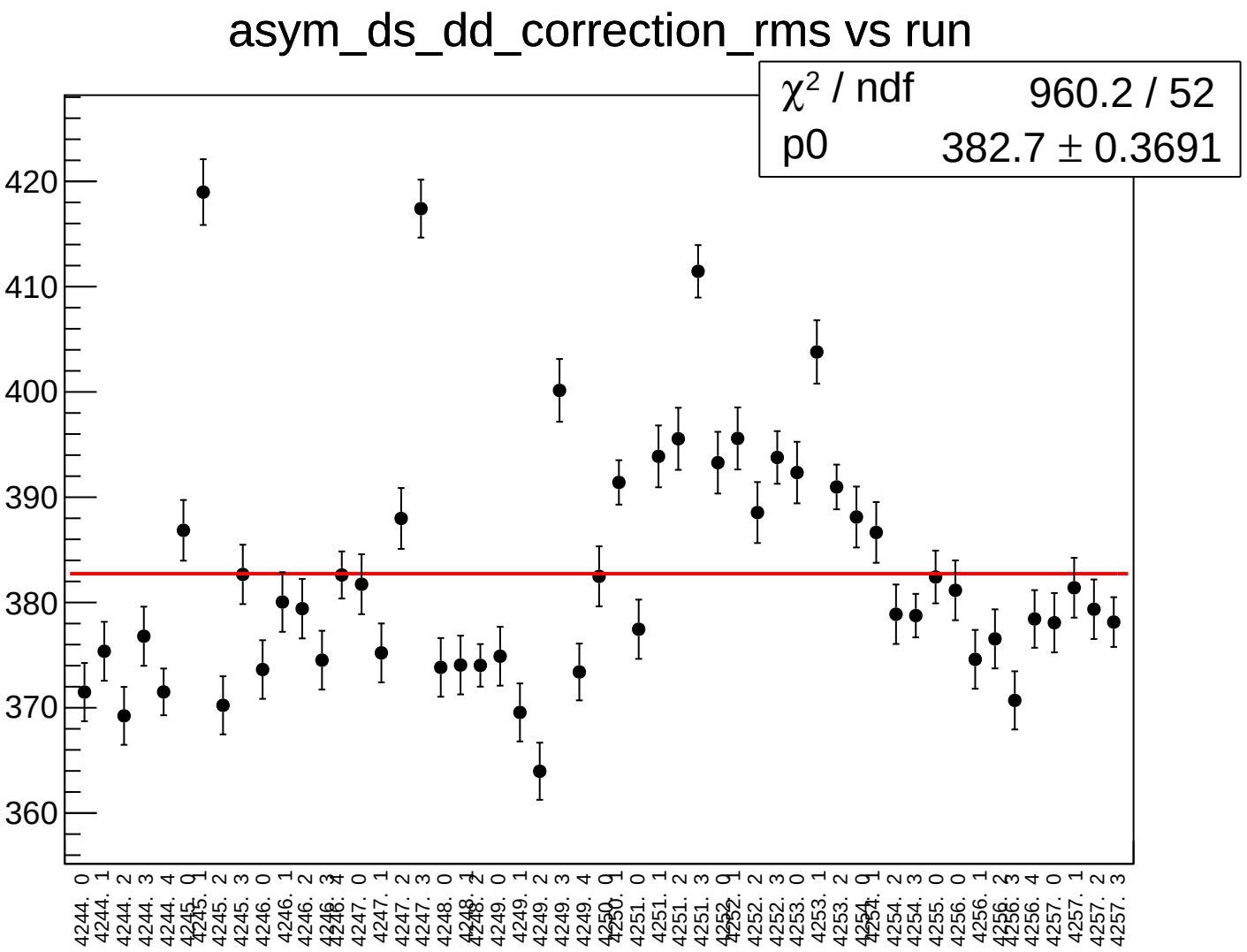

reg_asym_ds_dd_mean vs run
χ² / ndf 61.32 / 52
p0 233.5 ± 136.1
pull
Entries 53
Mean 204.1
Std Dev 178.8

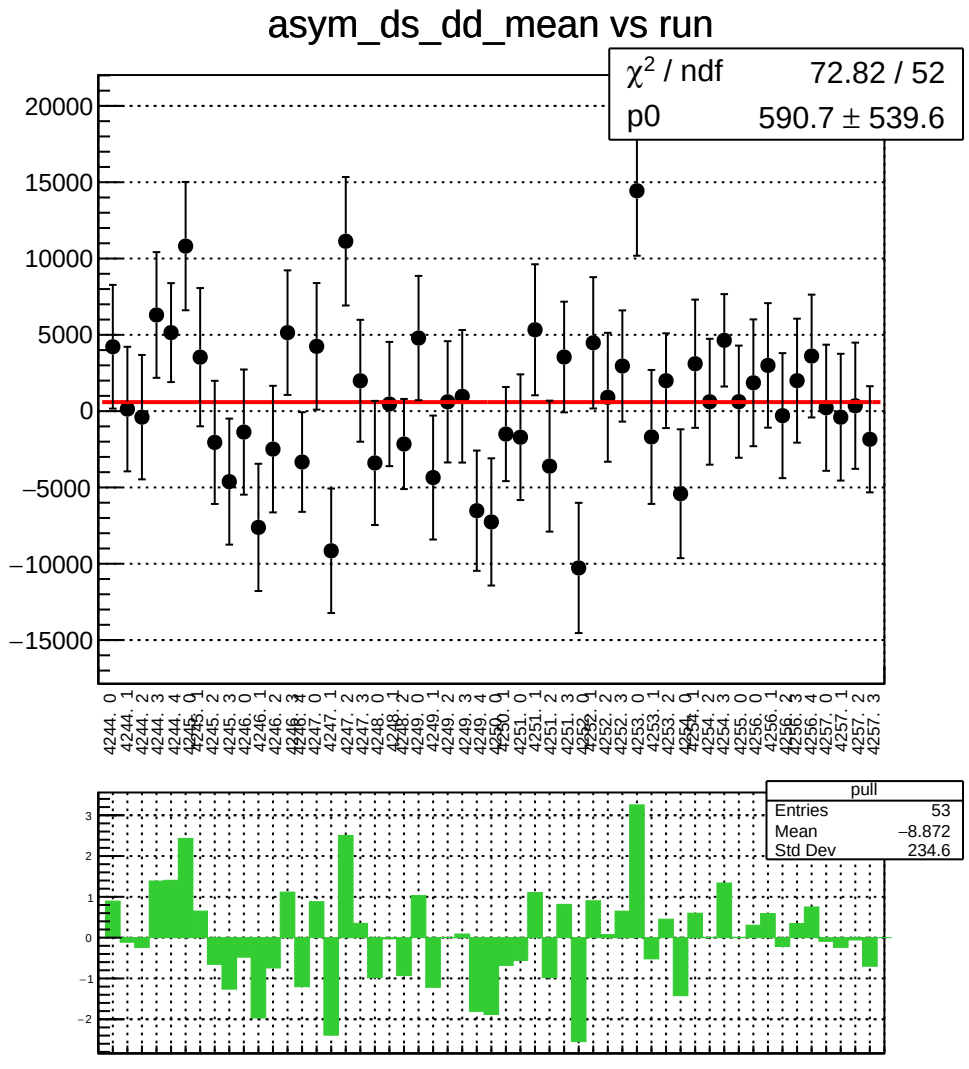

pull1D
Entries 53
Mean −0.007853
Std Dev 1.076

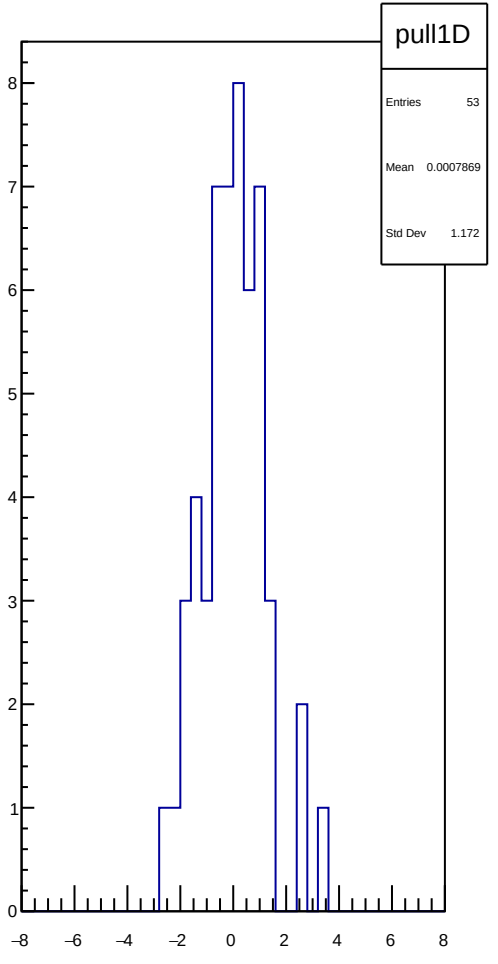

reg_asym_ds_dd_rms vs run
χ² / ndf 2028 / 52
p0 99.77 ± 0.09626
115
110
105
100
95
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

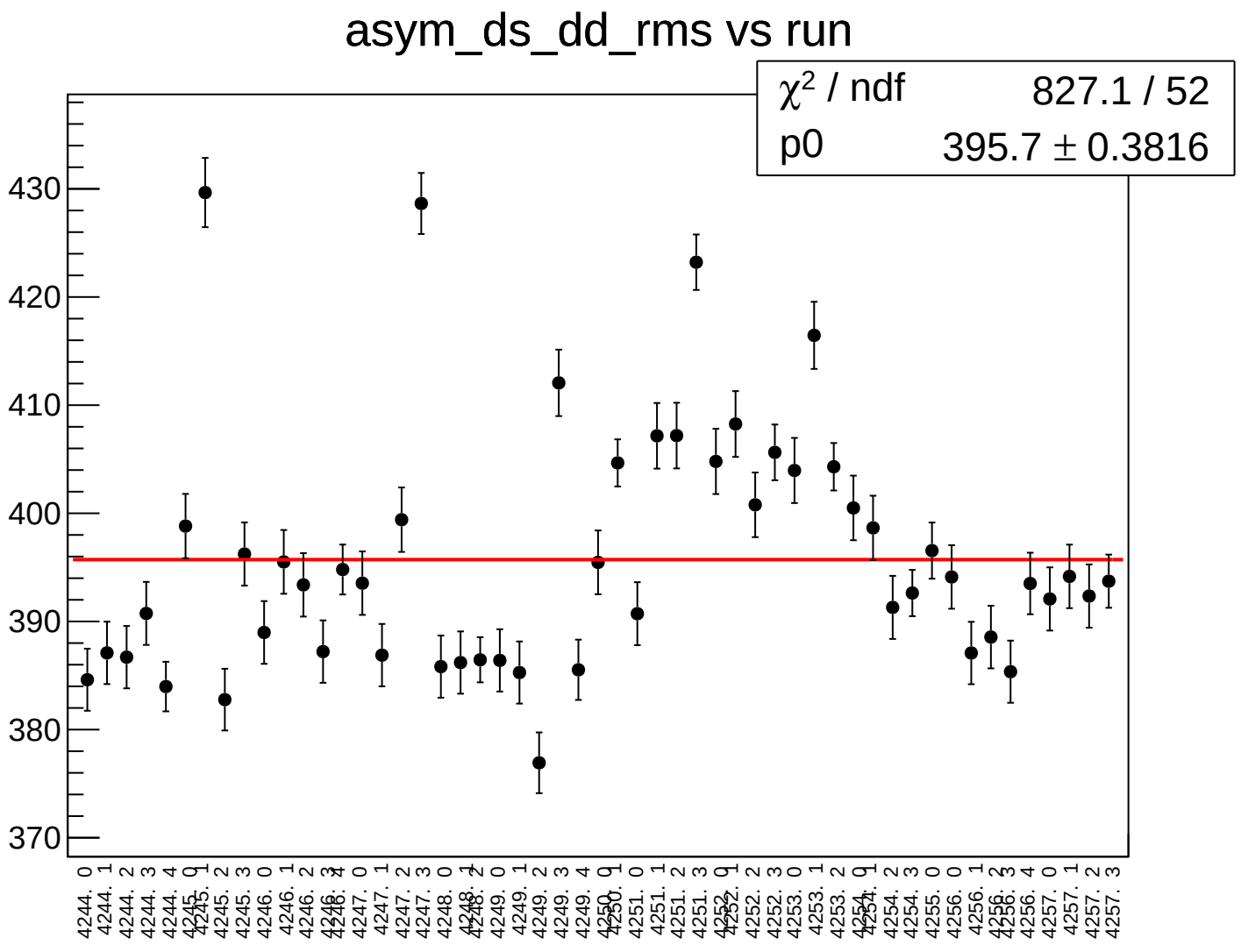

asym_ds_dd_correction_mean vs run
χ² / ndf 72.38 / 52
p0 −364.5 ± 522
pull
Entries 53
Mean 178.9
Std Dev 35.3

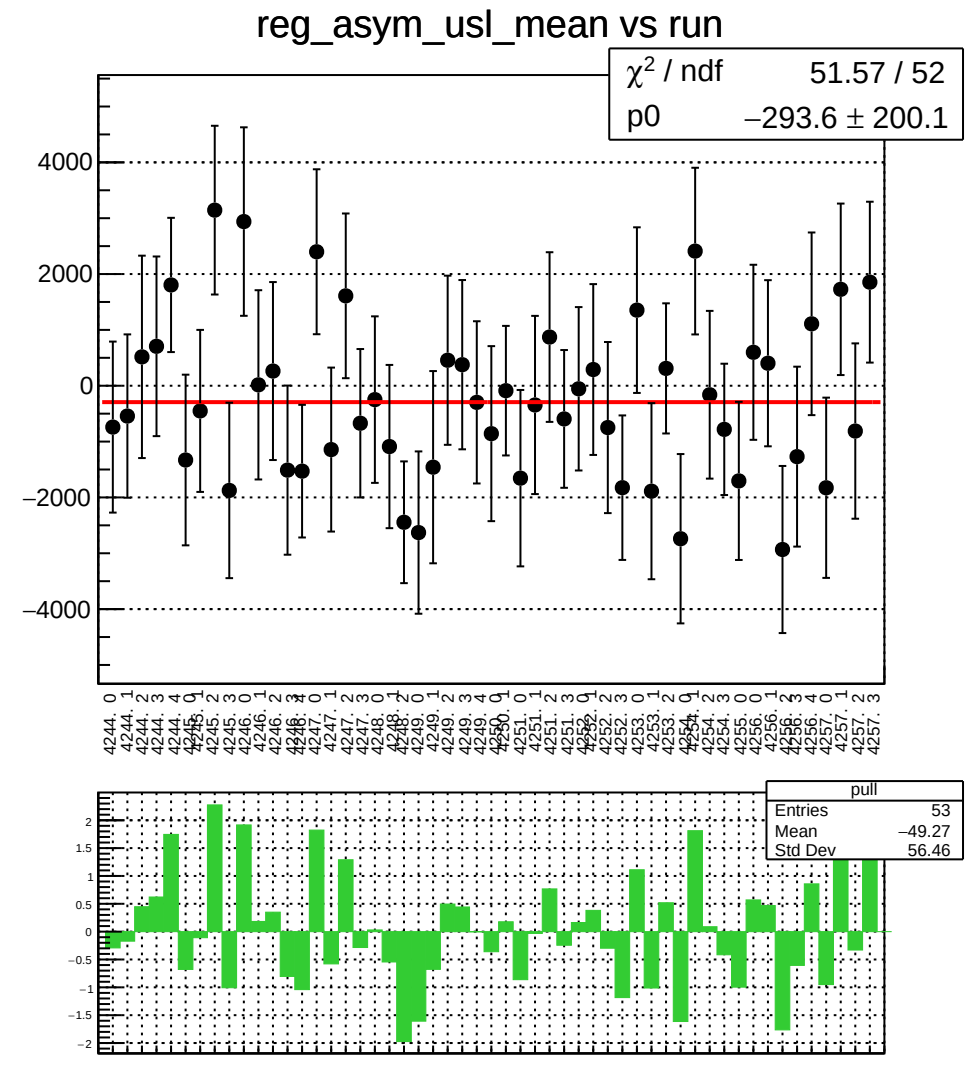

pull1D
Entries 53
Mean −0.00201
Std Dev 1.169

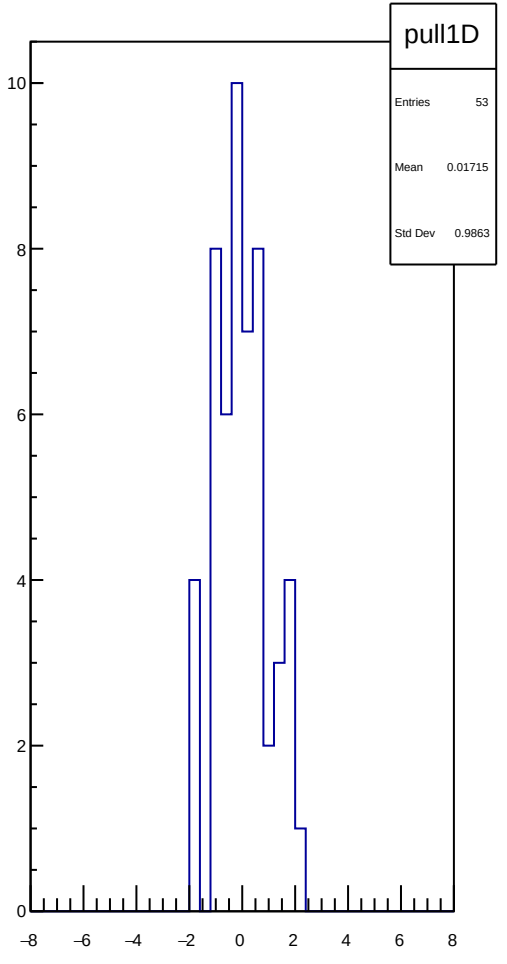

asym_ds_dd_correction_rms vs run
χ² / ndf 960.2 / 52
p0 382.7 ± 0.3691
420
410
400
390
380
370
360
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

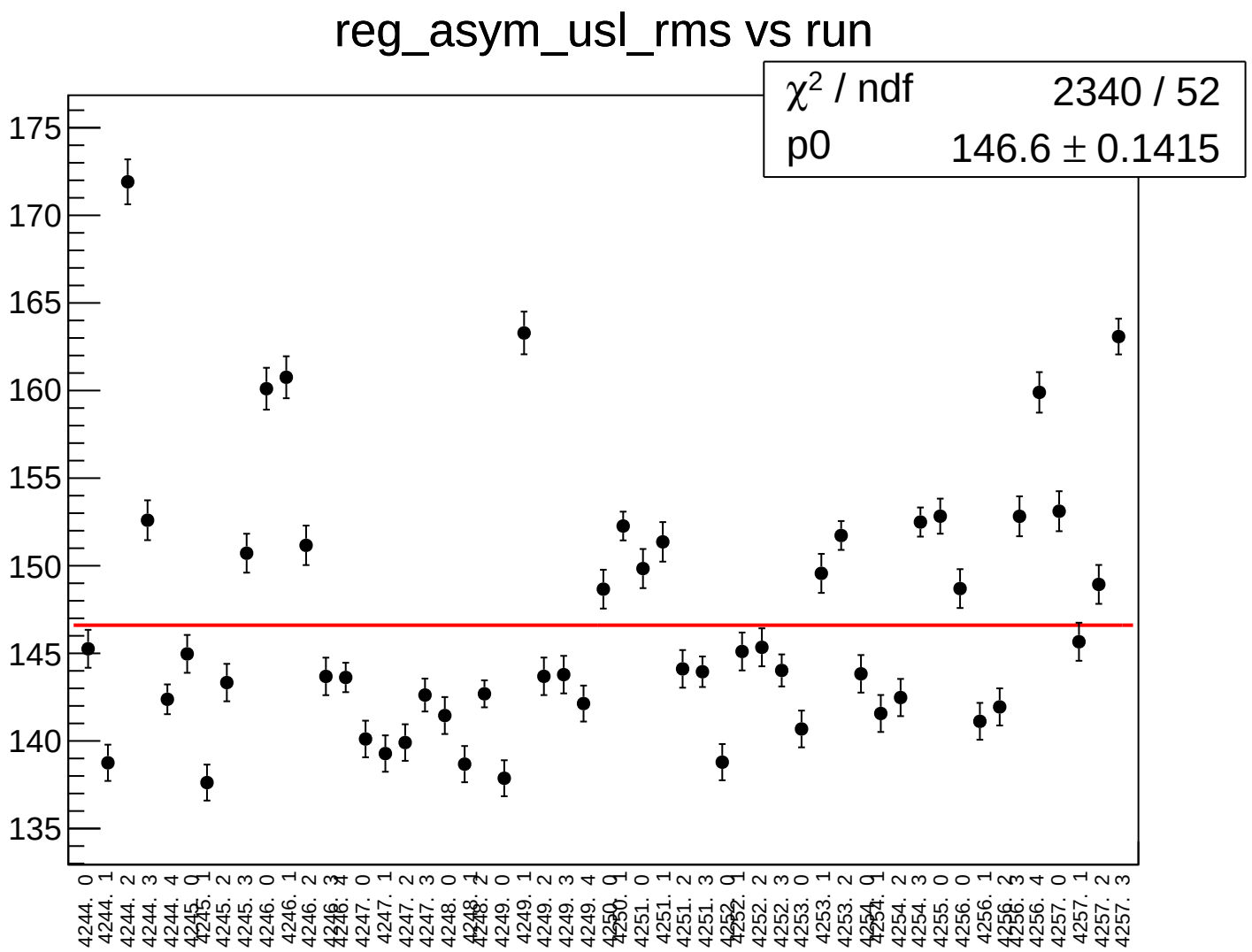

asym_ds_dd_mean vs run
χ² / ndf 72.82 / 52
p0 590.7 ± 539.6
pull
Entries 53
Mean −8.872
Std Dev 234.6

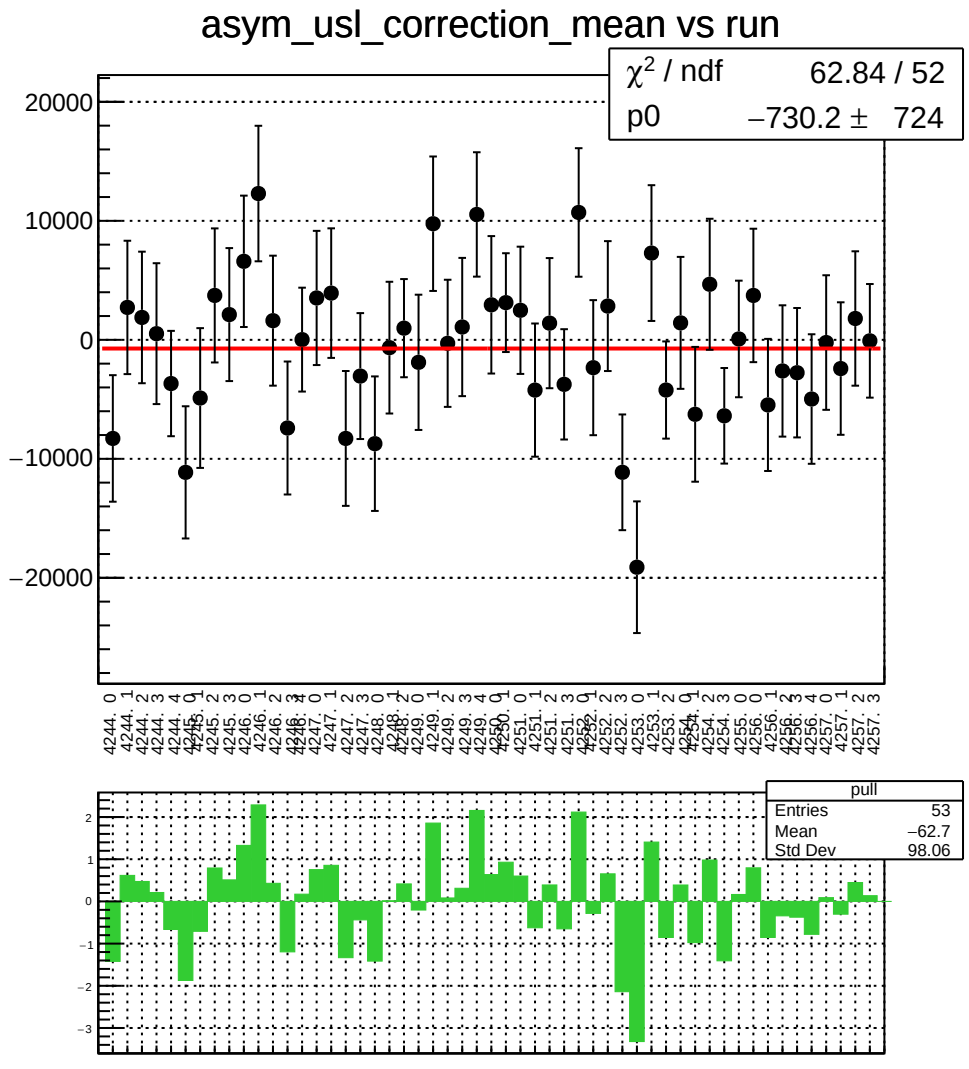

pull1D
Entries 53
Mean 0.0007869
Std Dev 1.172

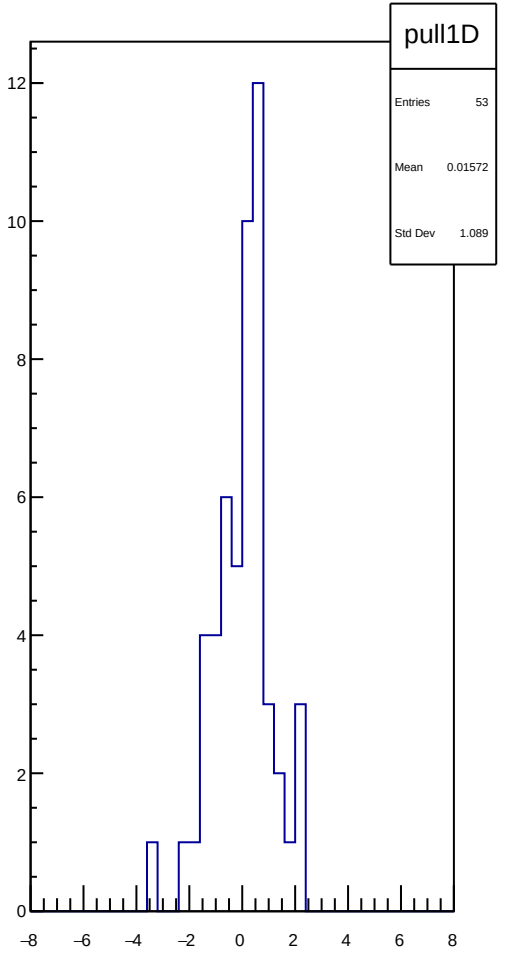

asym_ds_dd_rms vs run
χ² / ndf 827.1 / 52
p0 395.7 ± 0.3816
430
420
410
400
390
380
370
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

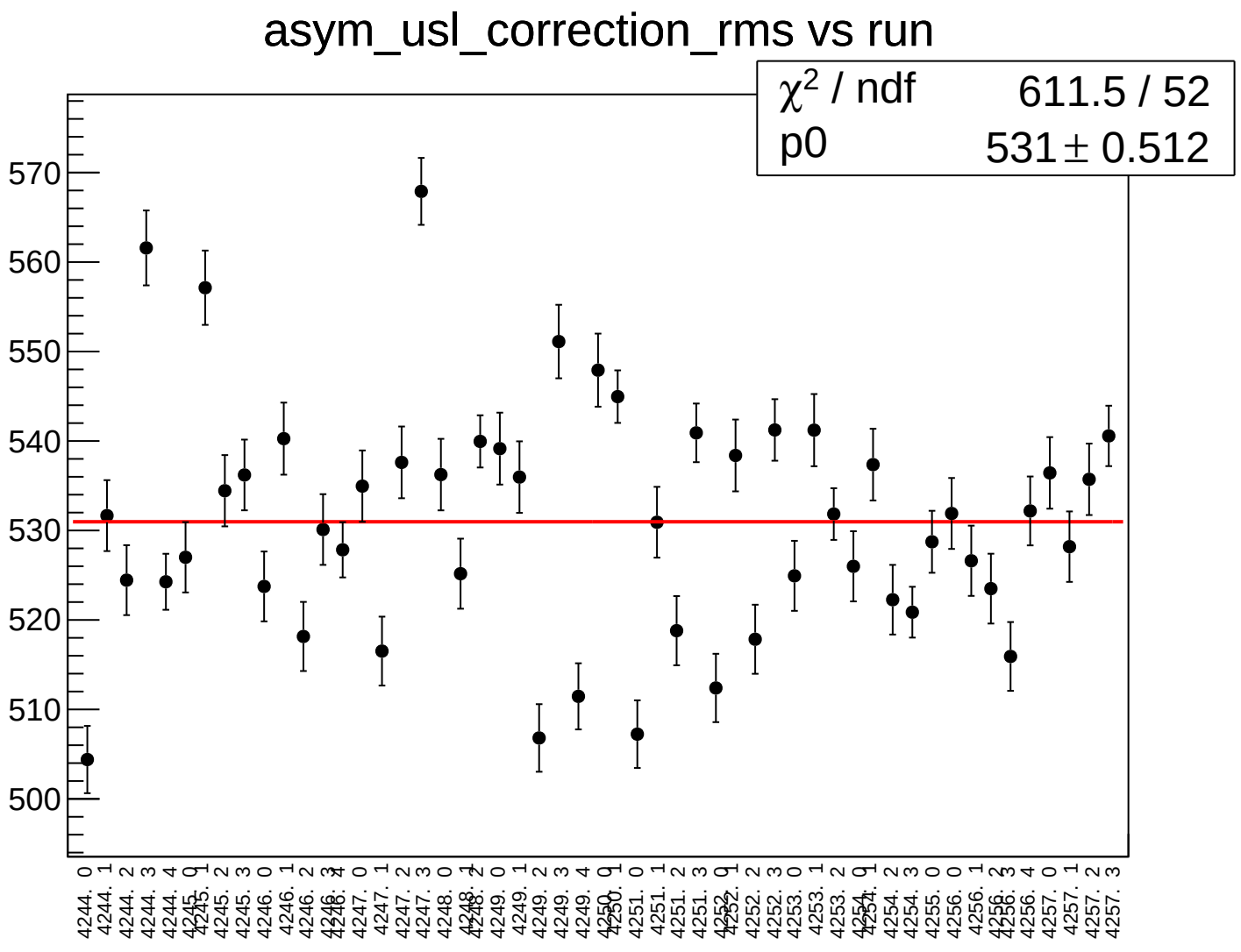

reg_asym_usl_mean vs run
χ² / ndf 51.57 / 52
p0 −293.6 ± 200.1
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −49.27
Std Dev 56.46
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

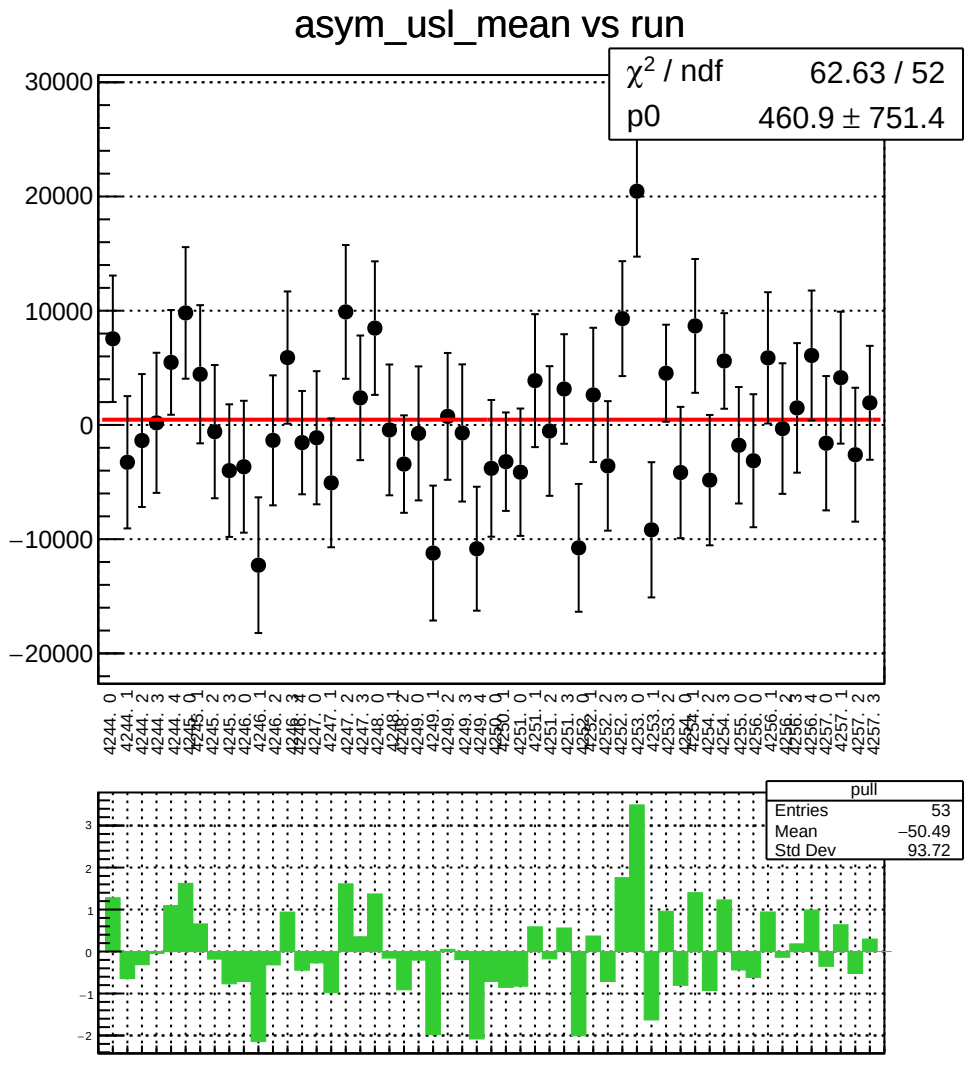

pull1D
Entries 53
Mean 0.01715
Std Dev 0.9863
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

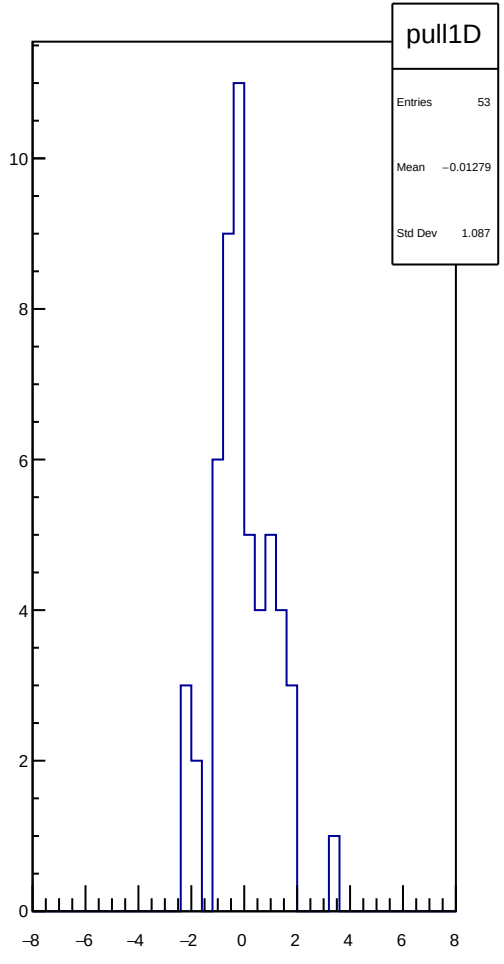

reg_asym_usl_rms vs run
χ² / ndf 2340 / 52
p0 146.6 ± 0.1415
175
170
165
160
155
150
145
140
135
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

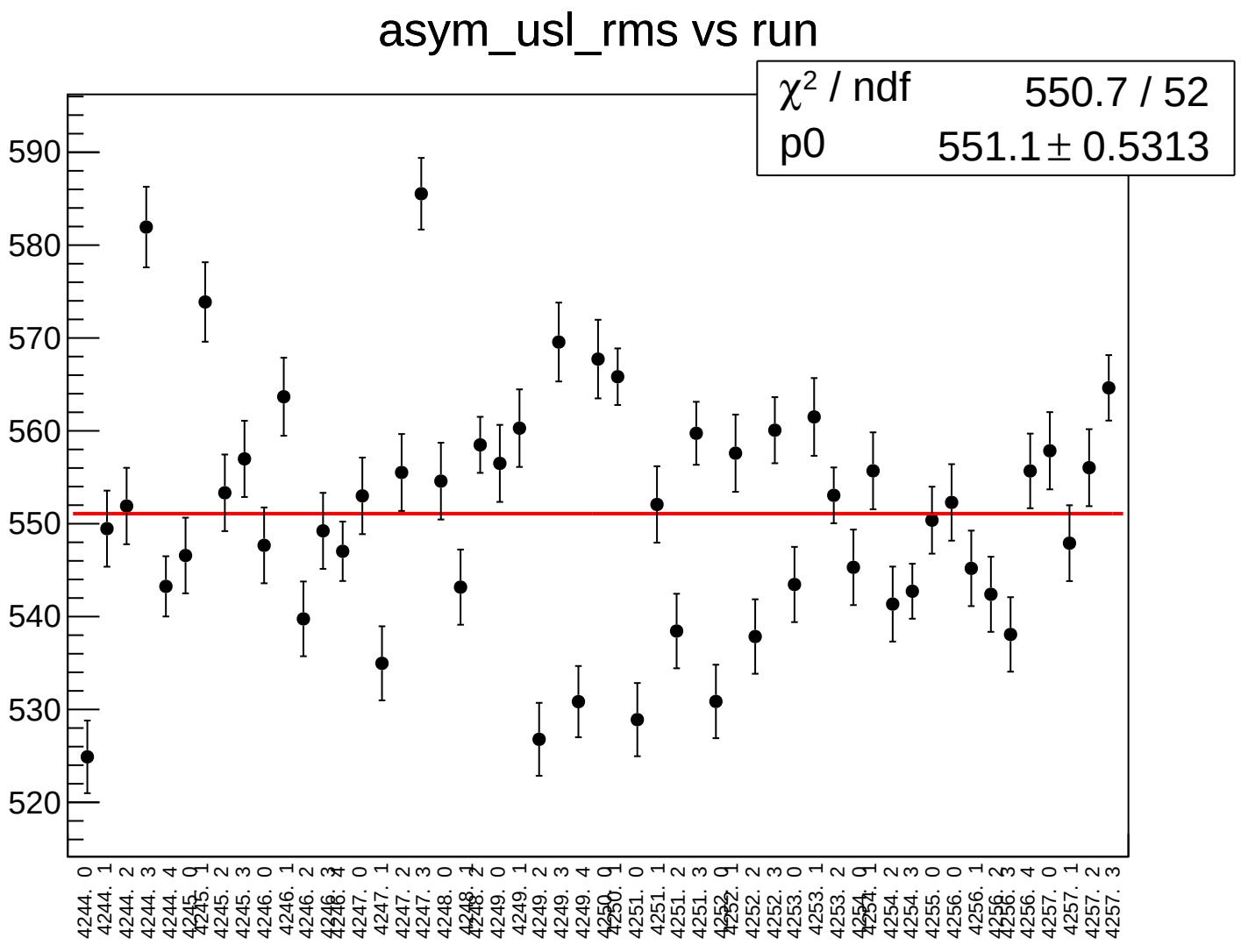

asym_usl_correction_mean vs run
χ² / ndf 62.84 / 52
p0 −730.2 ± 724
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −62.7
Std Dev 98.06
2
1
0
−1
−2
−3

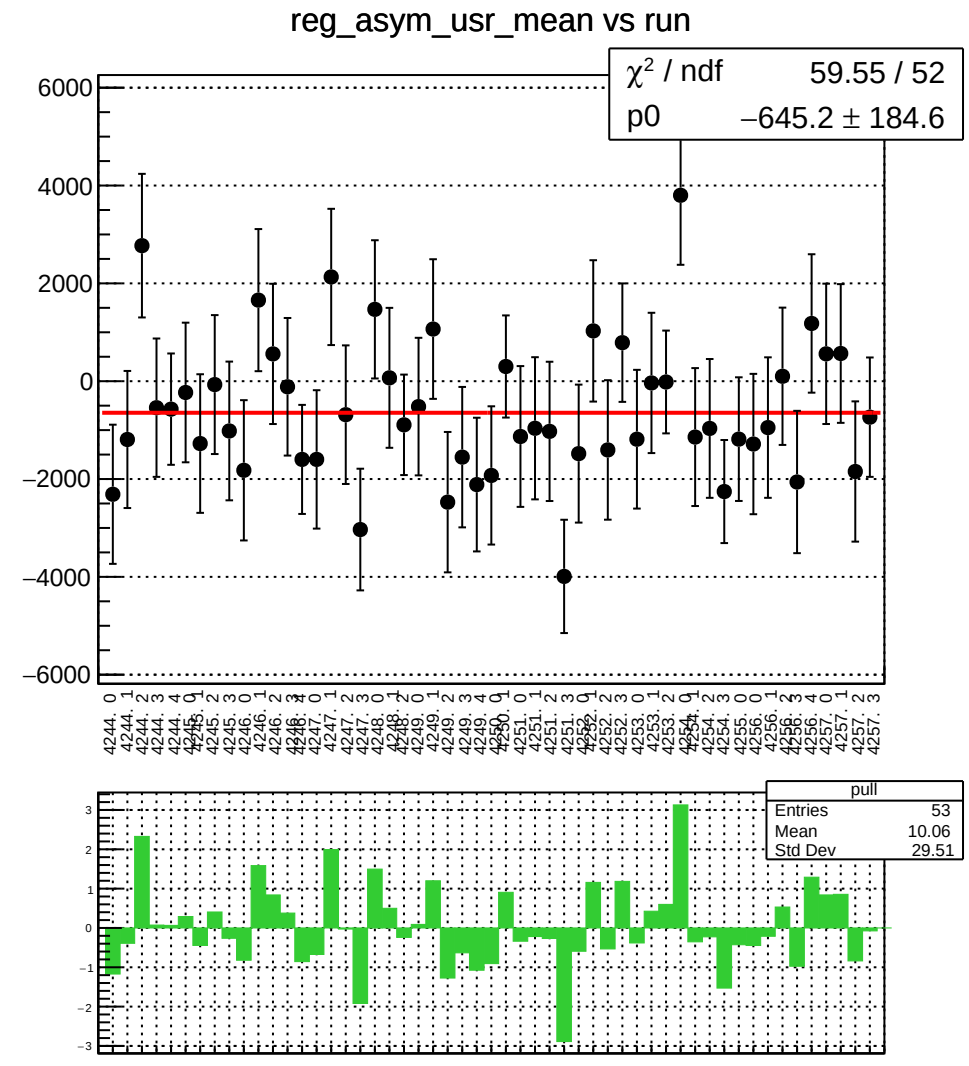

pull1D
Entries 53
Mean 0.01572
Std Dev 1.089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

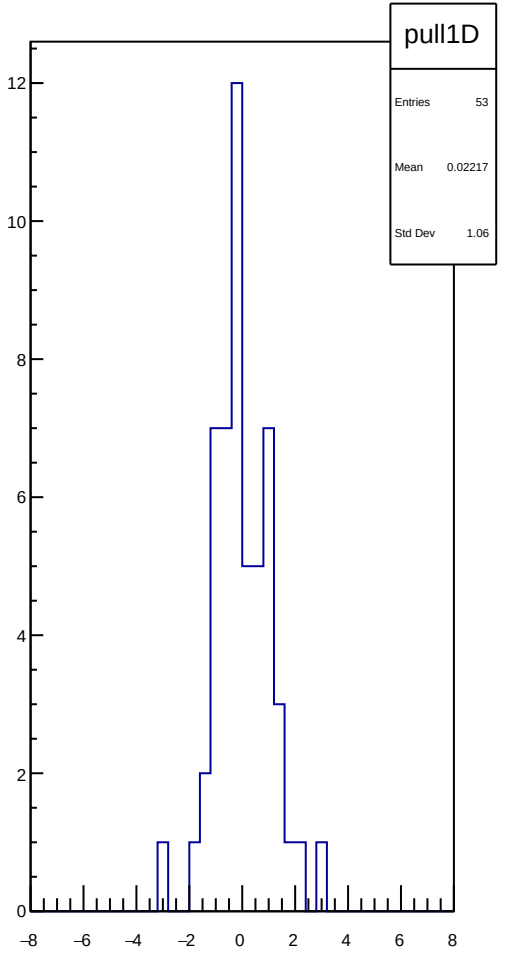

asym_usl_correction_rms vs run
χ² / ndf 611.5 / 52
p0 531 ± 0.512
570
560
550
540
530
520
510
500
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

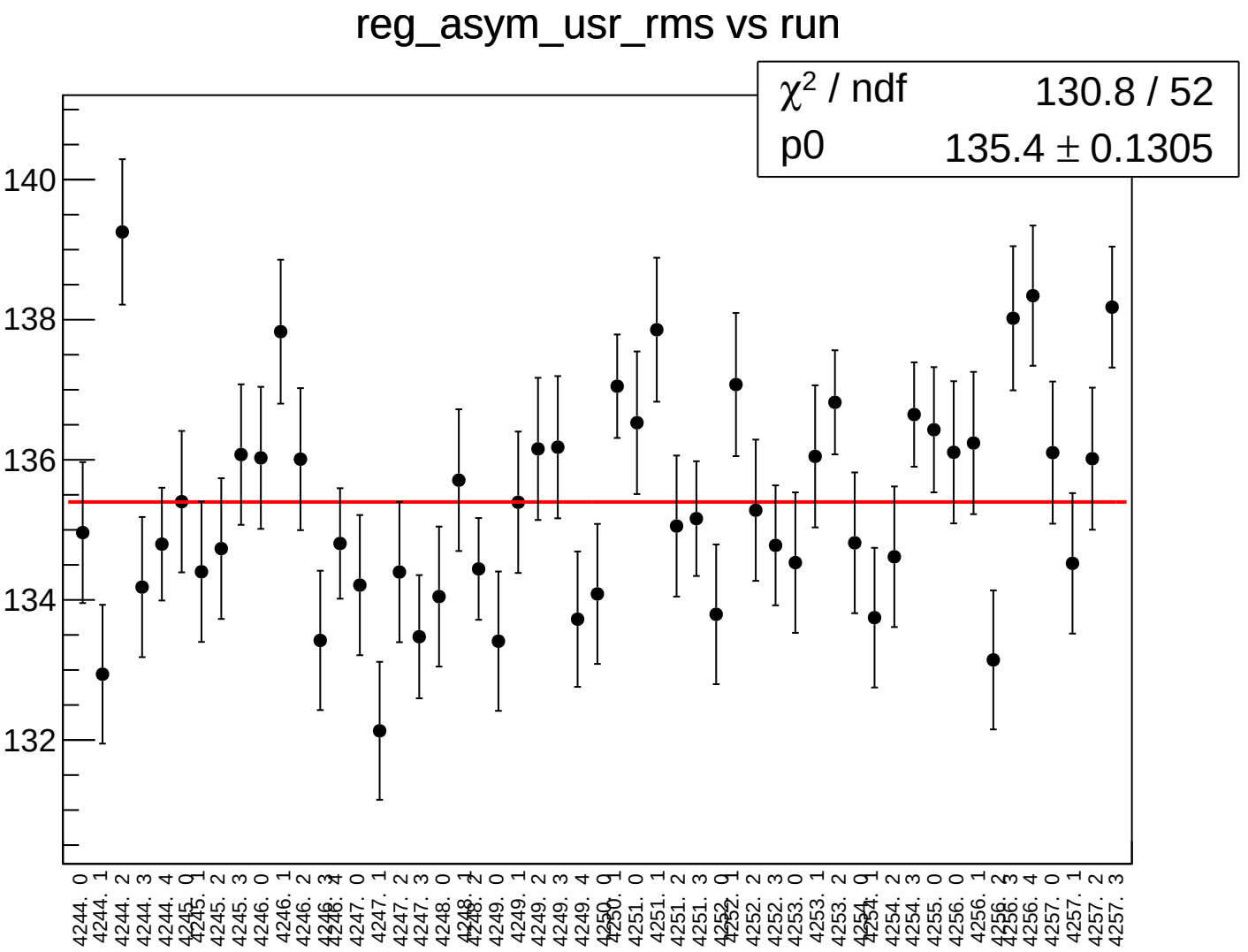

asym_usl_mean vs run
χ² / ndf 62.63 / 52
p0 460.9 ± 751.4
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −50.49
Std Dev 93.72
3
2
1
0
−1
−2

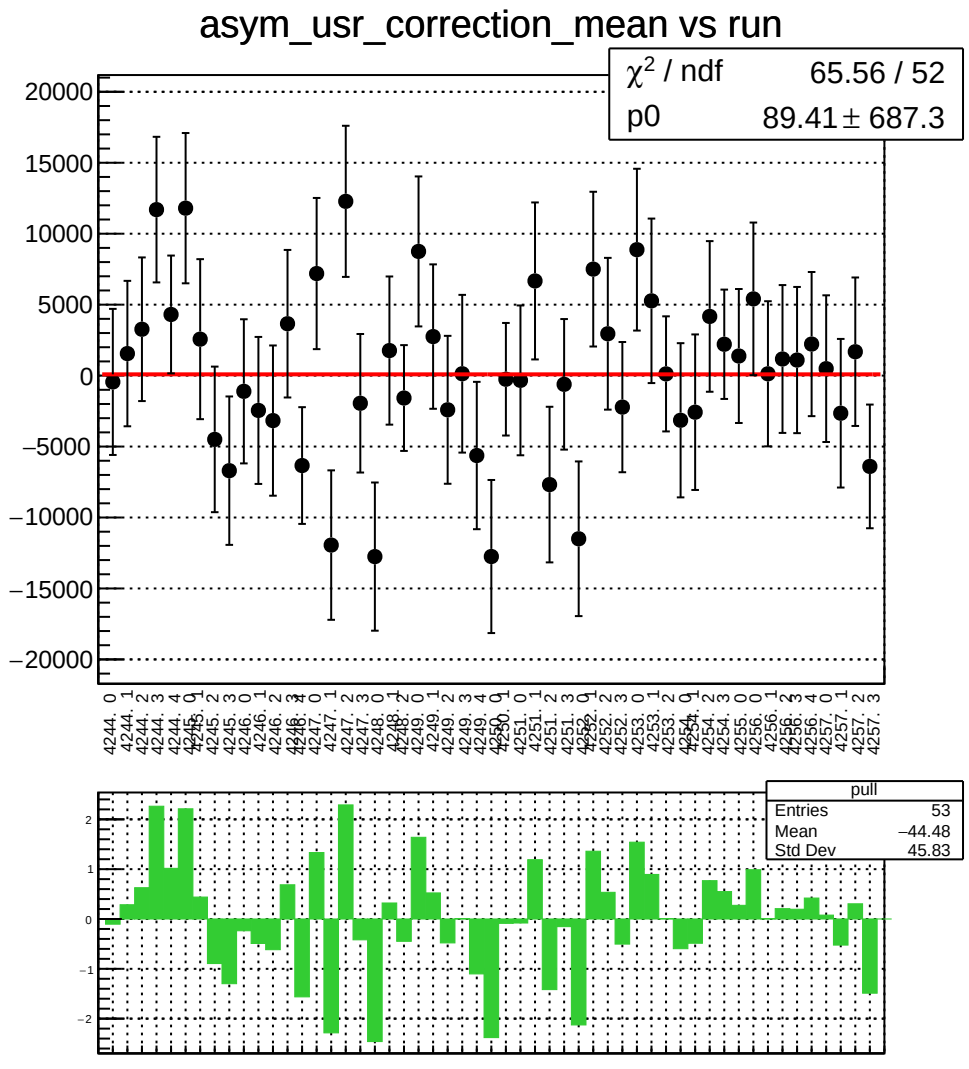

pull1D
Entries 53
Mean −0.01279
Std Dev 1.087
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

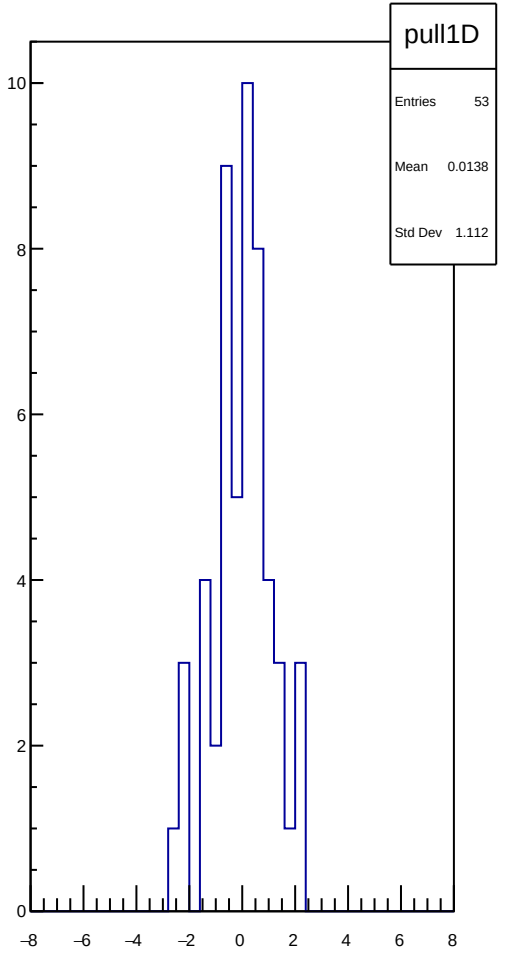

asym_usl_rms vs run
χ² / ndf 550.7 / 52
p0 551.1 ± 0.5313
590
580
570
560
550
540
530
520
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

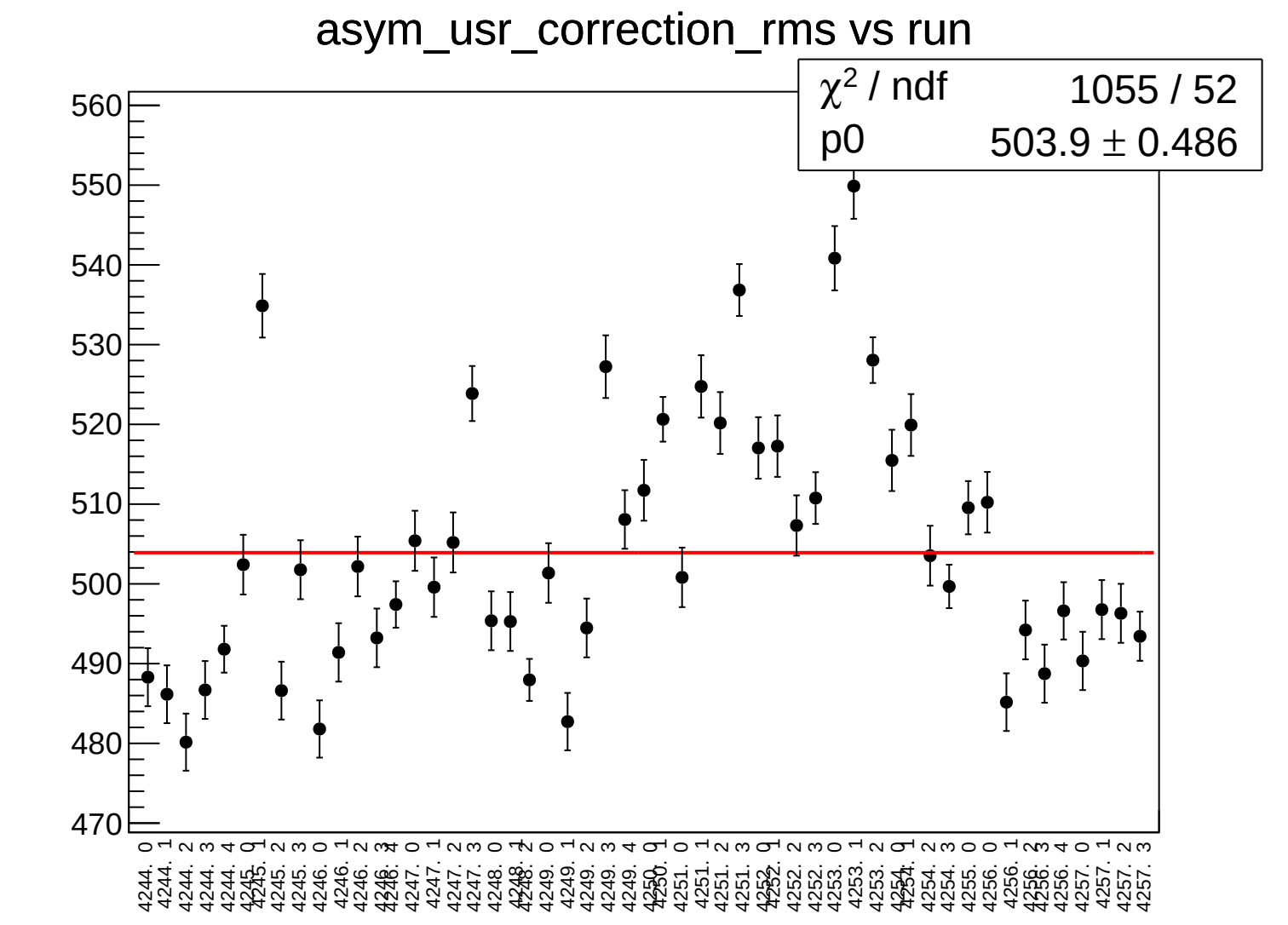

reg_asym_usr_mean vs run
χ² / ndf 59.55 / 52
p0 −645.2 ± 184.6
pull
Entries 53
Mean 10.06
Std Dev 29.51

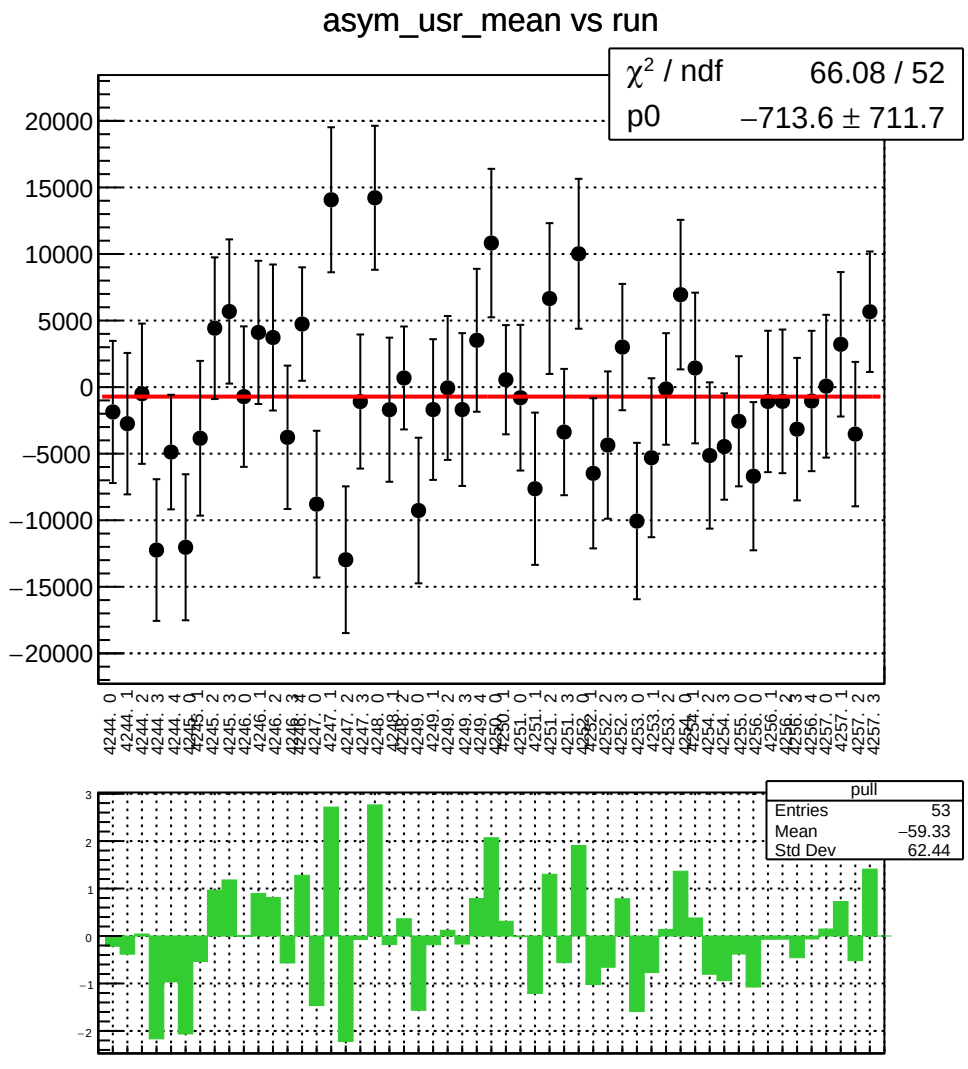

pull1D
Entries 53
Mean 0.02217
Std Dev 1.06

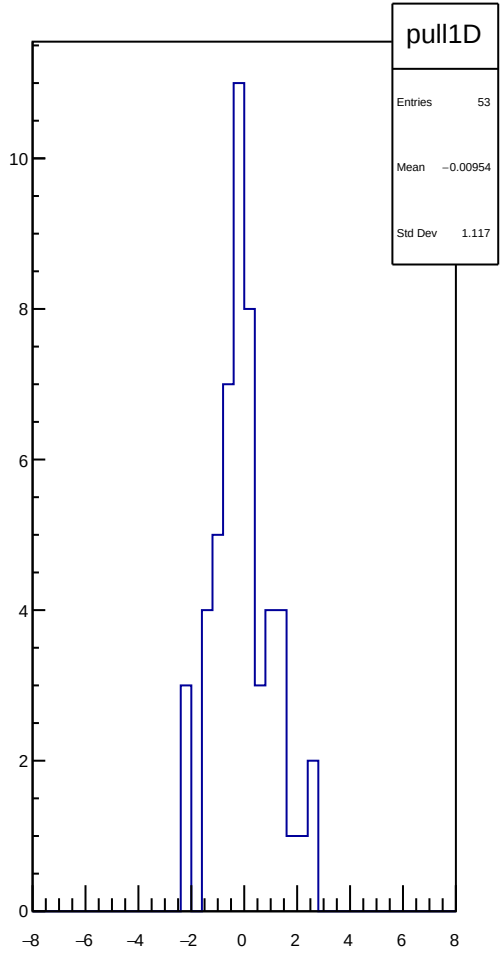

reg_asym_usr_rms vs run
χ² / ndf 130.8 / 52
p0 135.4 ± 0.1305
140
138
136
134
132
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

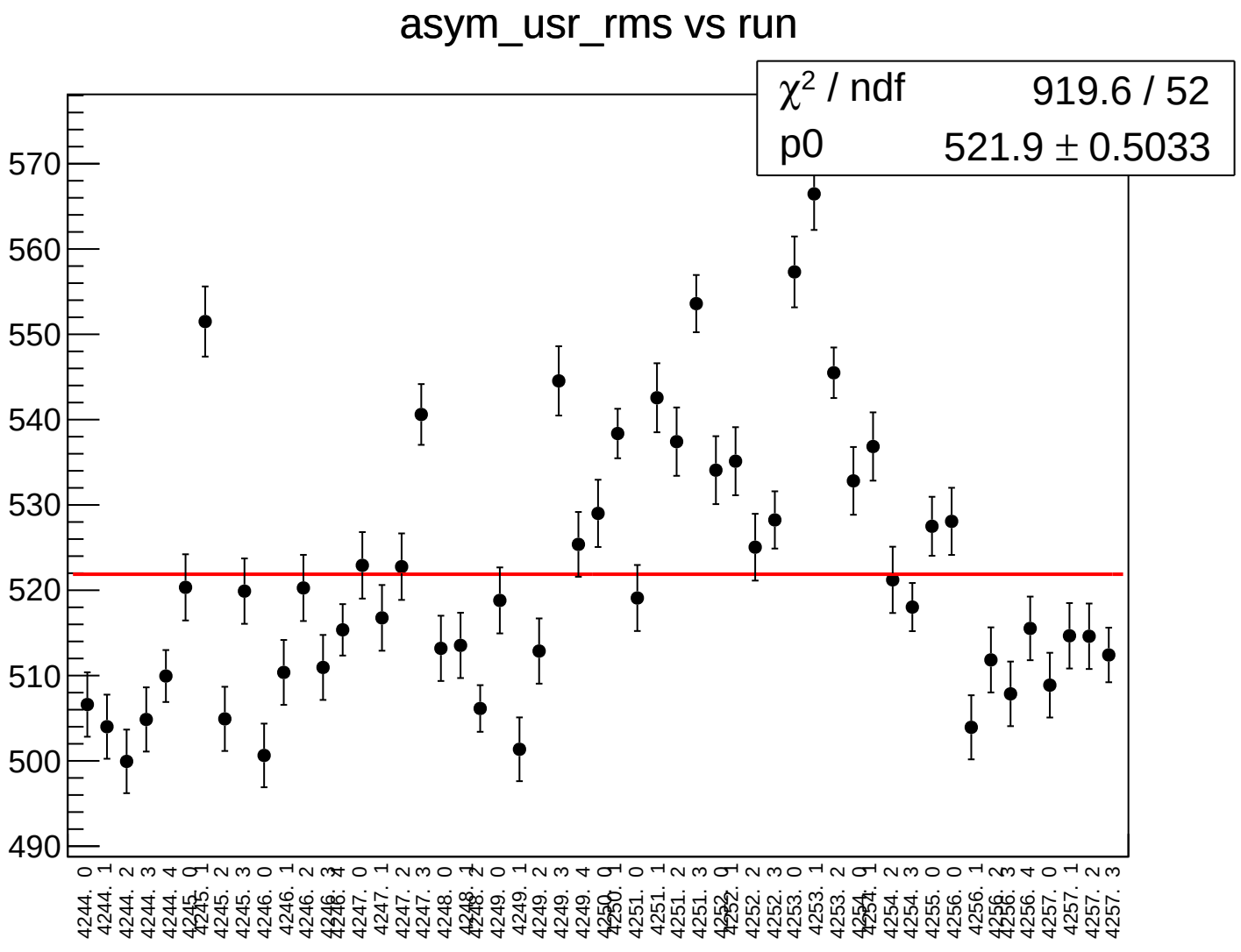

asym_usr_correction_mean vs run
χ² / ndf 65.56 / 52
p0 89.41 ± 687.3
pull
Entries 53
Mean −44.48
Std Dev 45.83

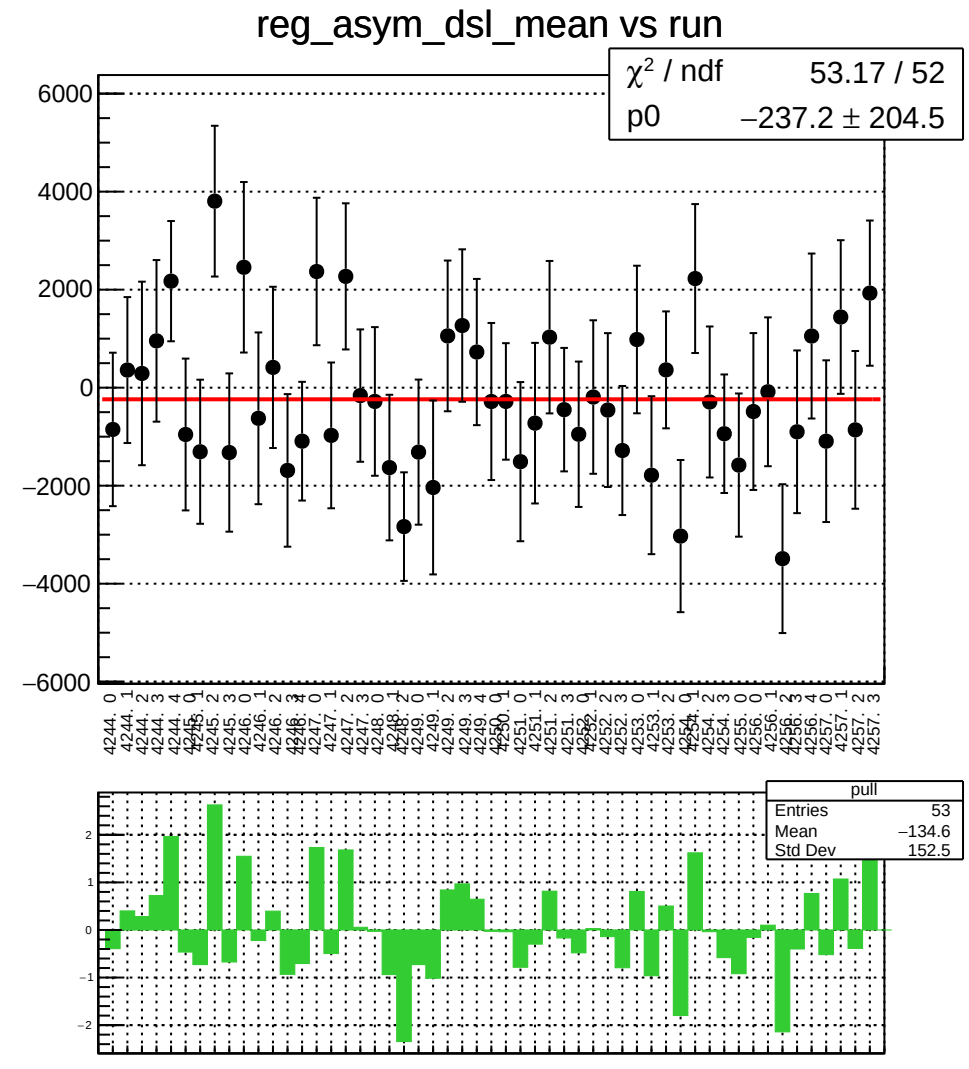

pull1D
Entries 53
Mean 0.0138
Std Dev 1.112

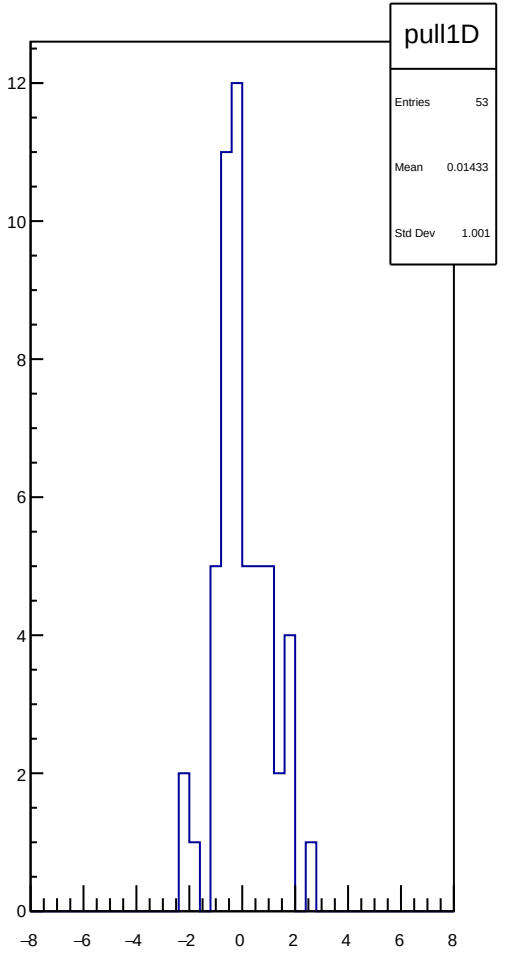

asym_usr_correction_rms vs run
χ² / ndf 1055 / 52
p0 503.9 ± 0.486
560
550
540
530
520
510
500
490
480
470
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

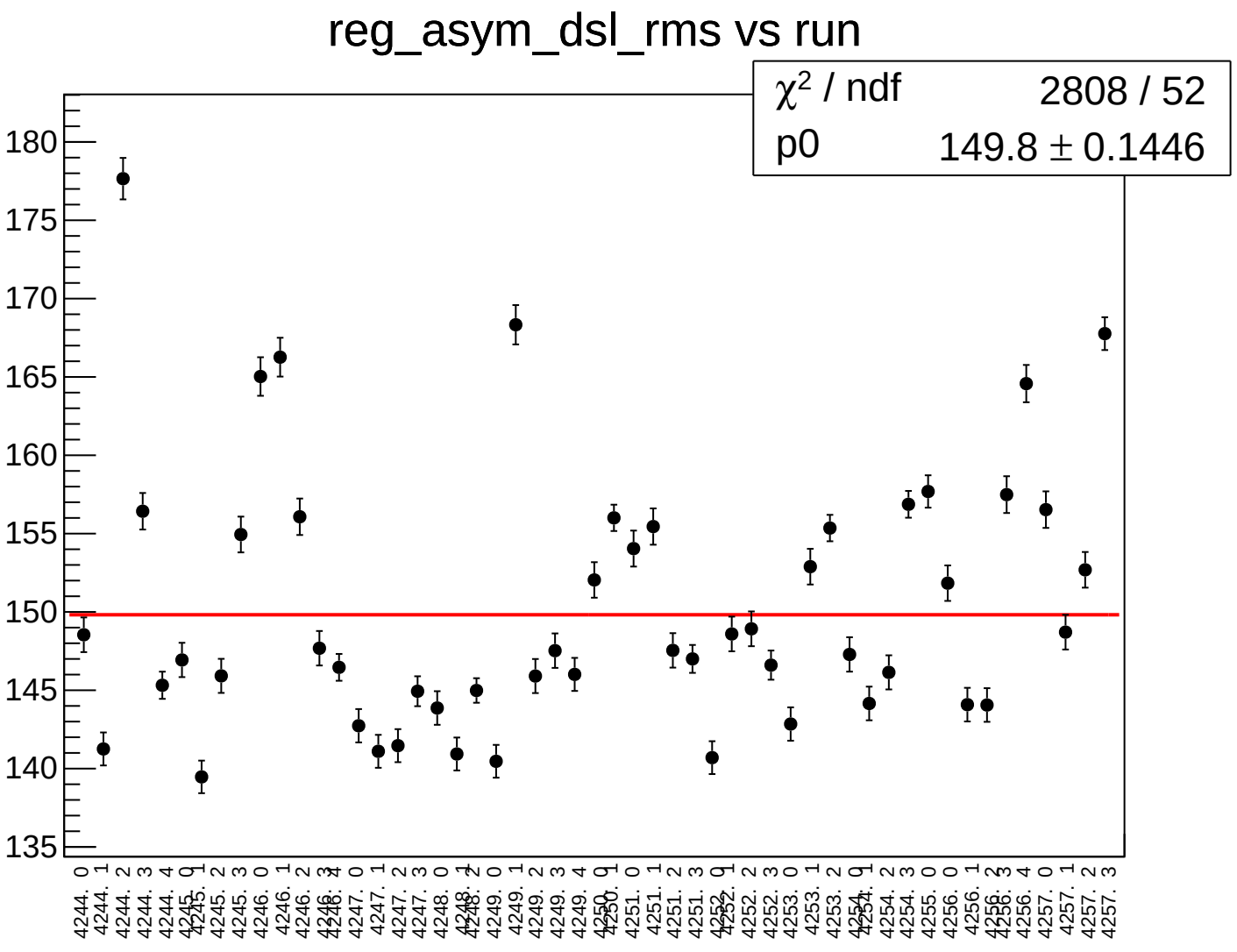

asym_usr_mean vs run
χ² / ndf 66.08 / 52
p0 −713.6 ± 711.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean −59.33
Std Dev 62.44
3
2
1
0
−1
−2

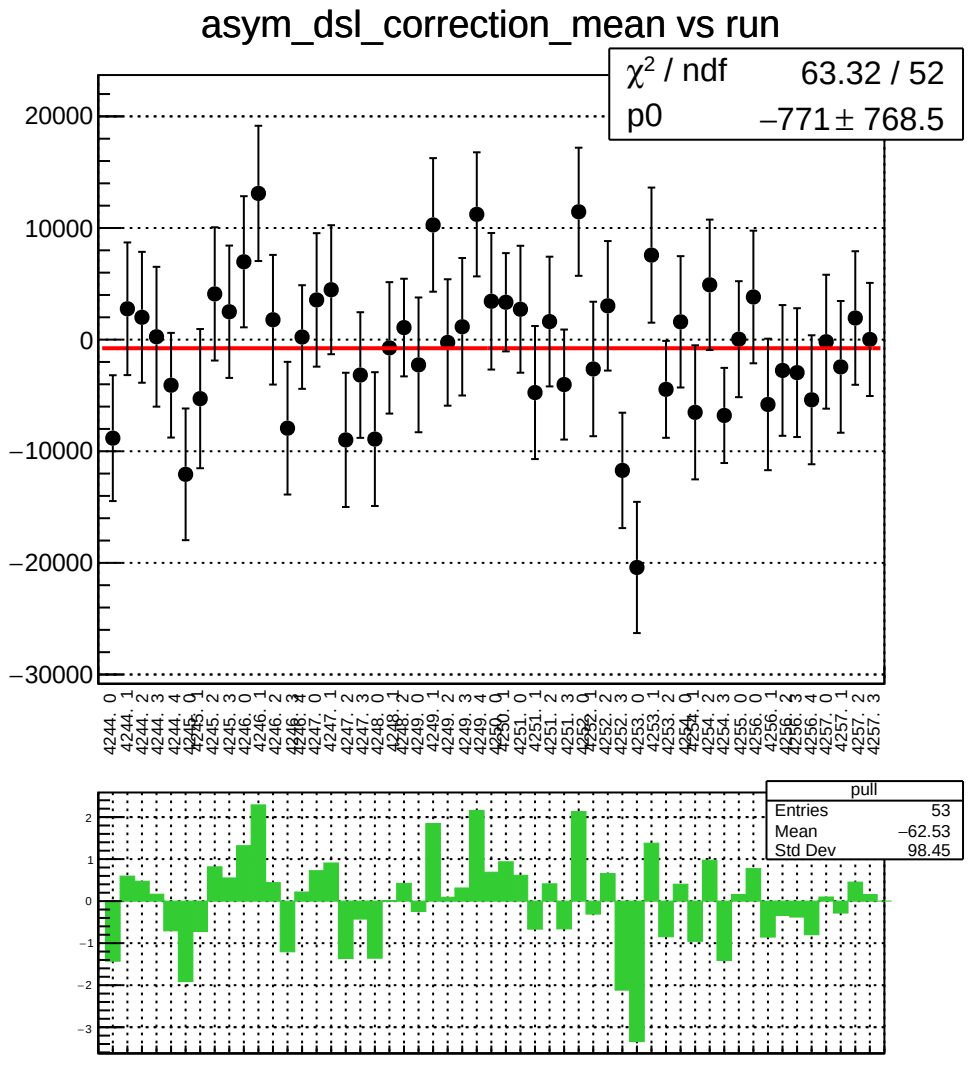

pull1D
Entries 53
Mean −0.00954
Std Dev 1.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

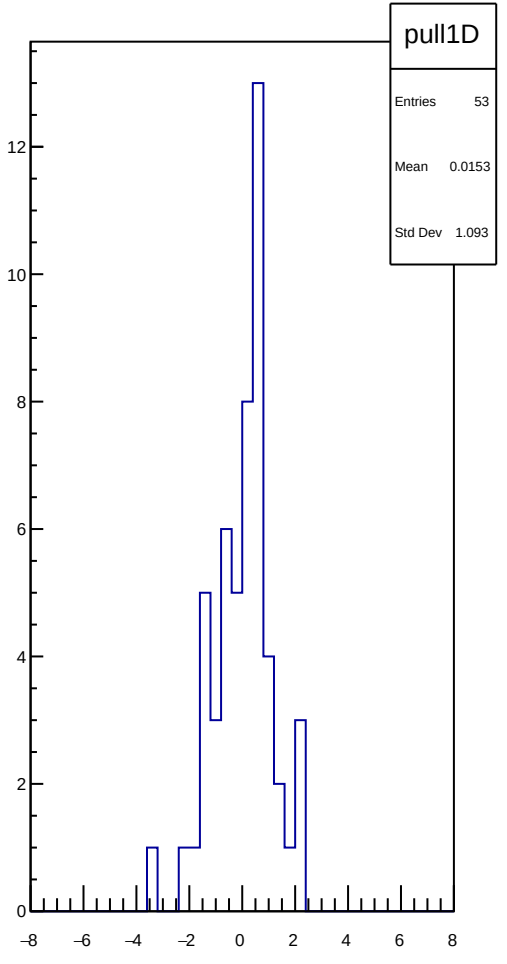

asym_usr_rms vs run
χ² / ndf 919.6 / 52
p0 521.9 ± 0.5033
570
560
550
540
530
520
510
500
490
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

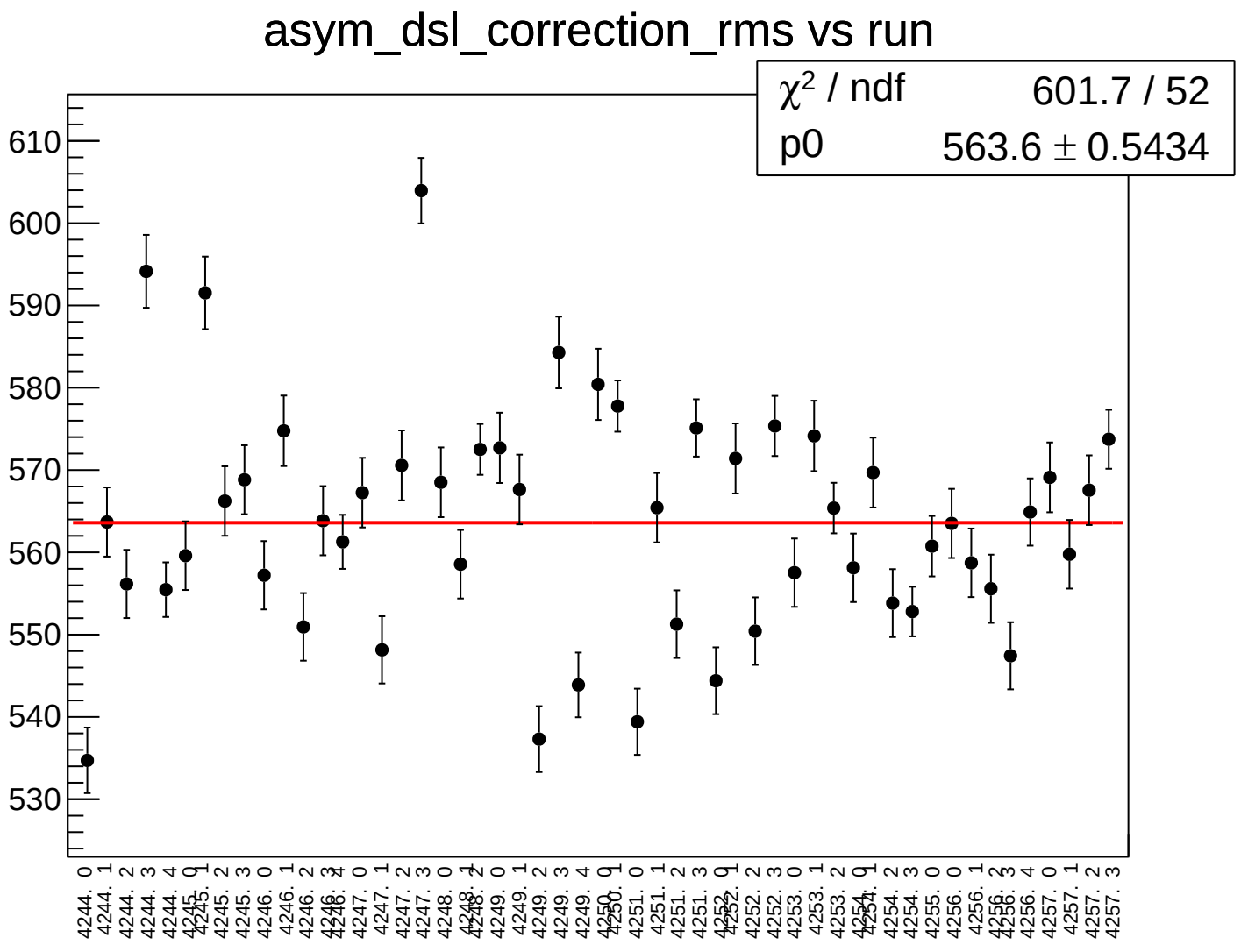

reg_asym_dsl_mean vs run
χ² / ndf 53.17 / 52
p0 −237.2 ± 204.5
pull
Entries 53
Mean −134.6
Std Dev 152.5

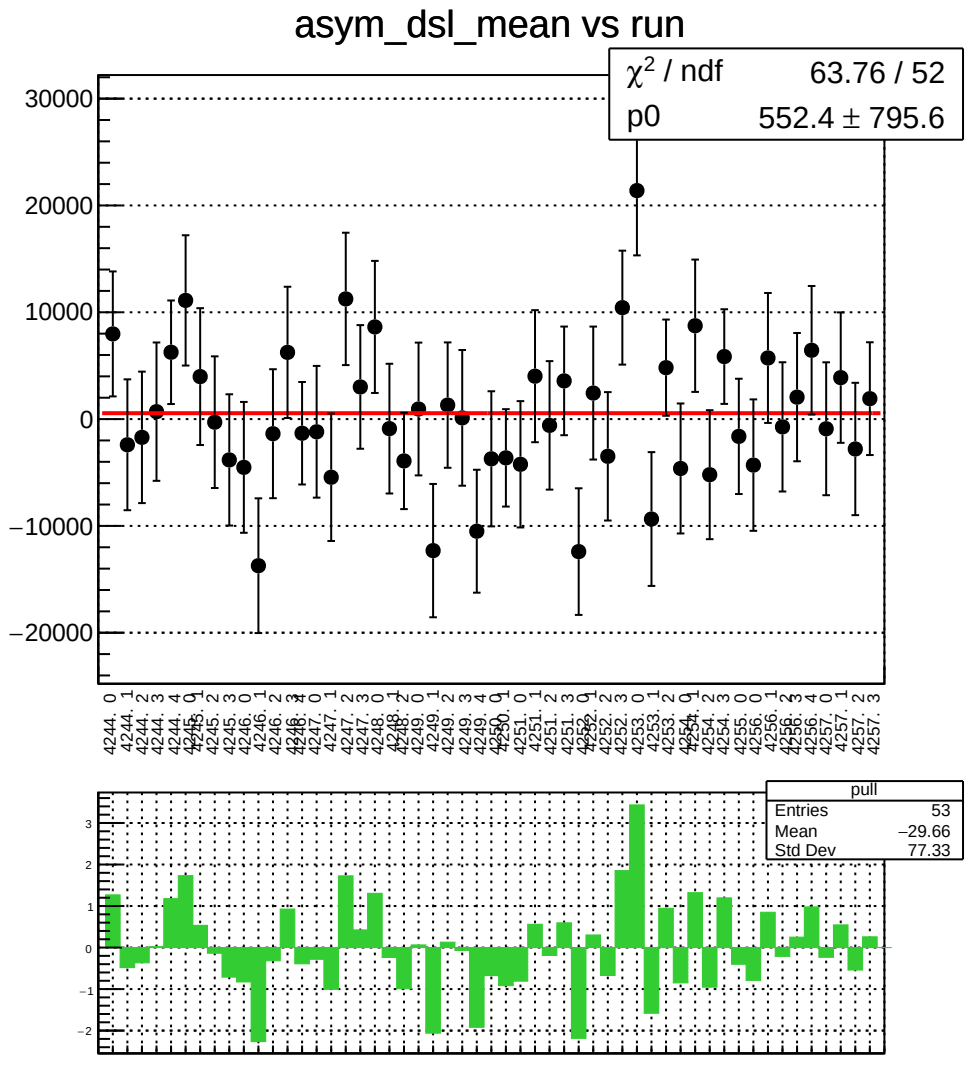

pull1D
Entries 53
Mean 0.01433
Std Dev 1.001

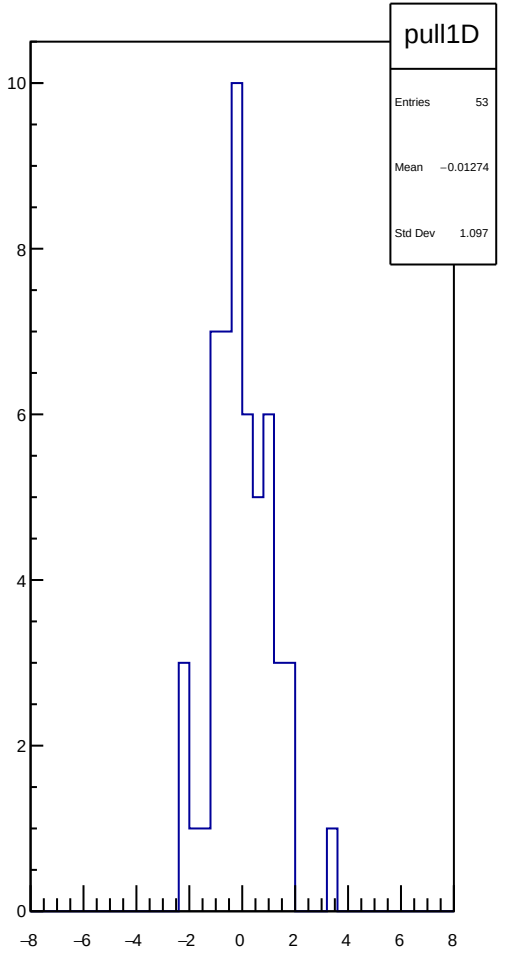

reg_asym_dsl_rms vs run
χ² / ndf 2808 / 52
p0 149.8 ± 0.1446
180
175
170
165
160
155
150
145
140
135
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

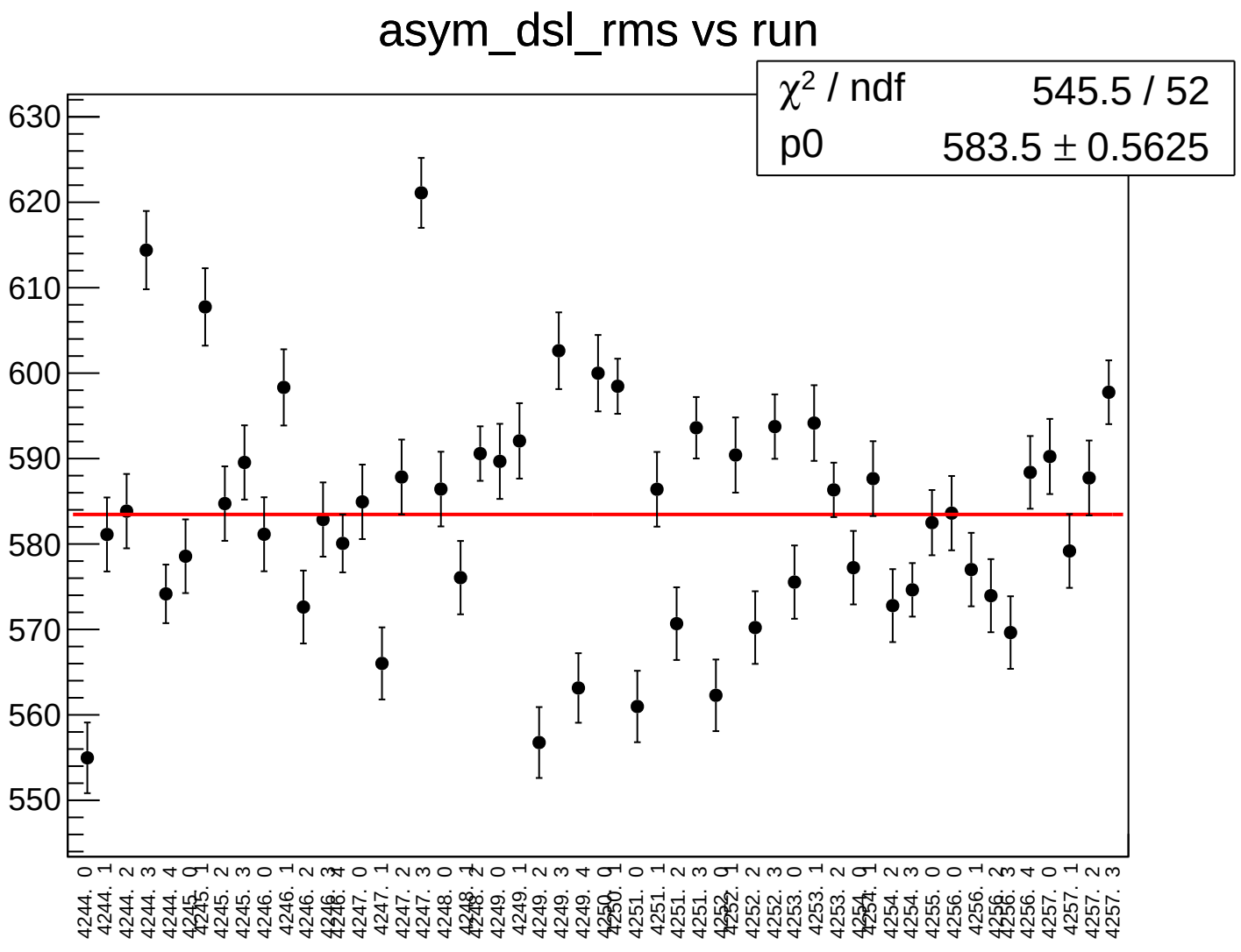

asym_dsl_correction_mean vs run
χ² / ndf 63.32 / 52
p0 −771 ± 768.5
pull
Entries 53
Mean −62.53
Std Dev 98.45

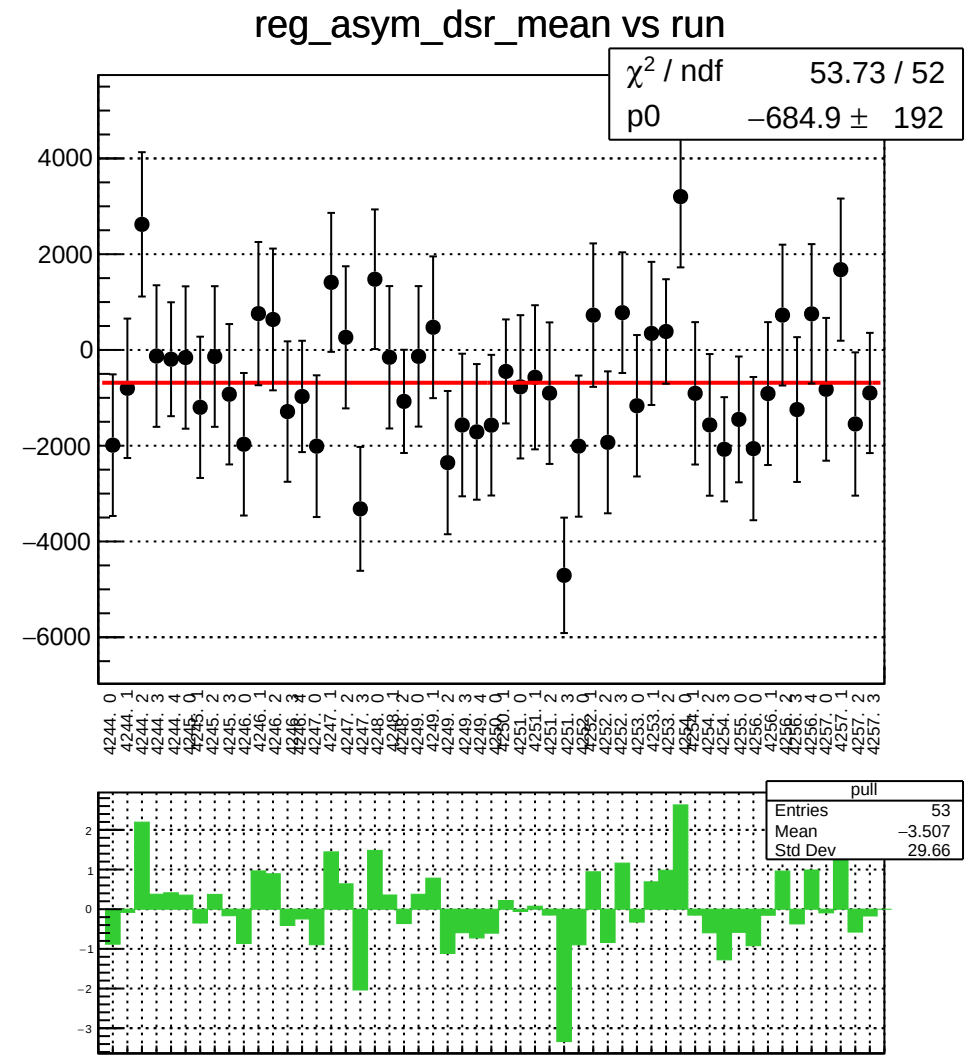

pull1D
Entries 53
Mean 0.0153
Std Dev 1.093

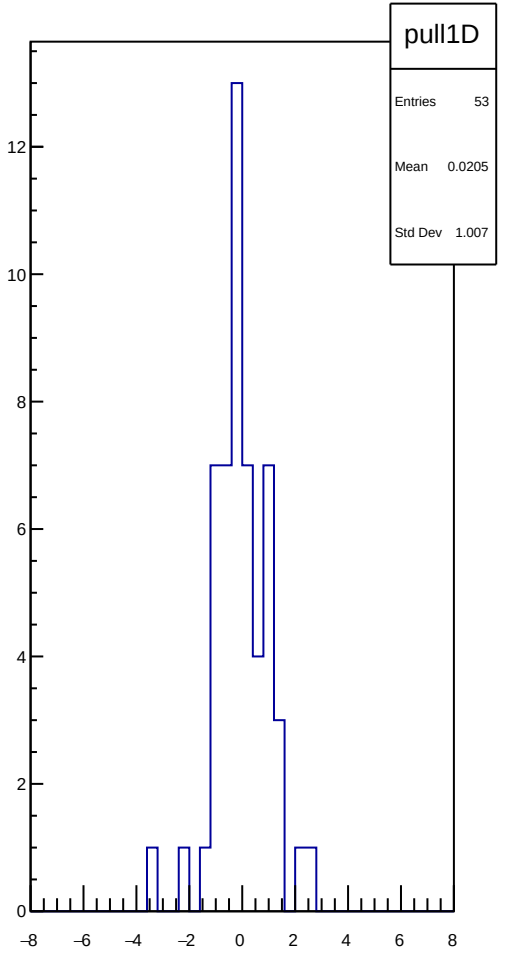

asym_dsl_correction_rms vs run
χ² / ndf 601.7 / 52
p0 563.6 ± 0.5434
610
600
590
580
570
560
550
540
530
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

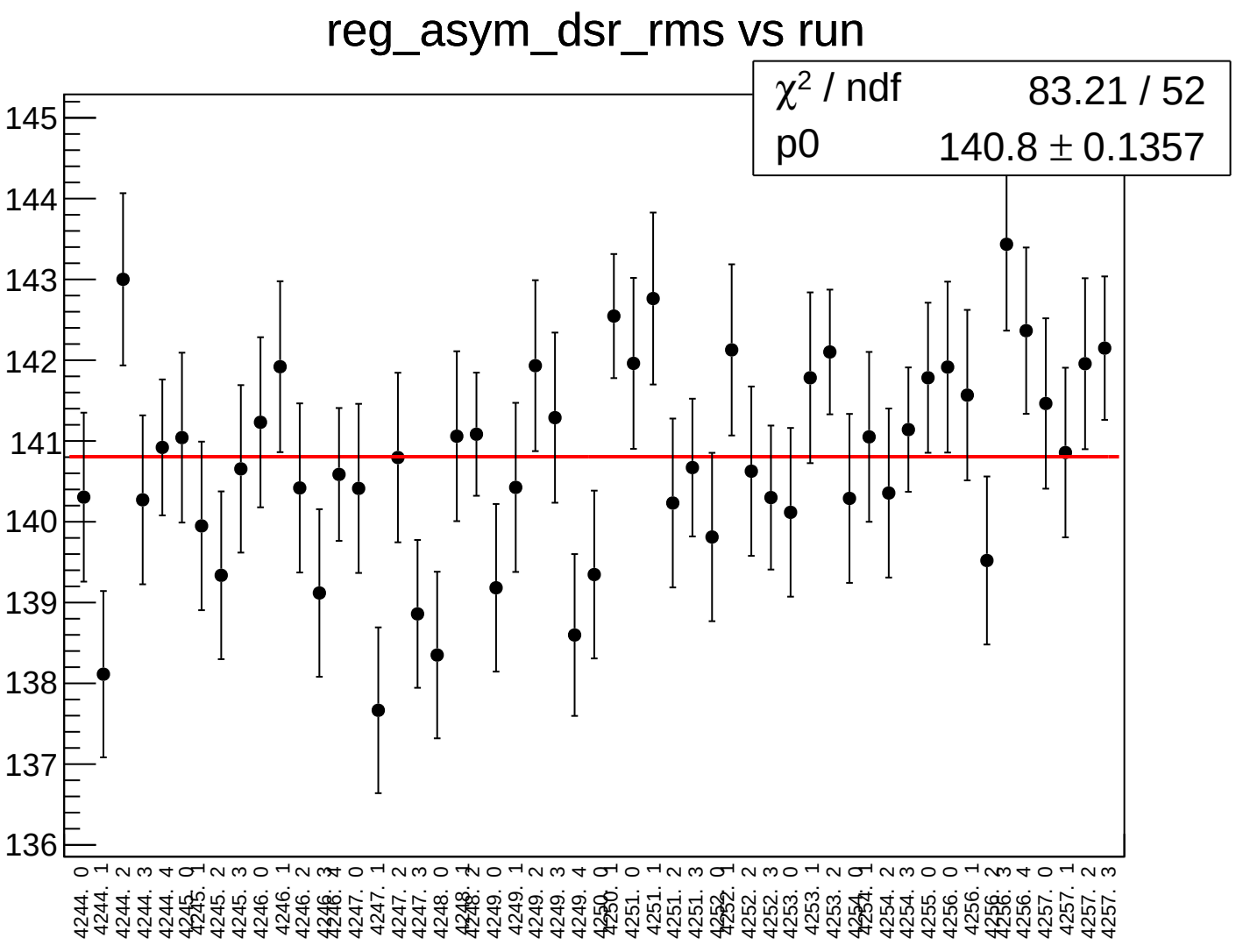

asym_dsl_mean vs run
χ² / ndf 63.76 / 52
p0 552.4 ± 795.6
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −29.66
Std Dev 77.33
3
2
1
0
−1
−2

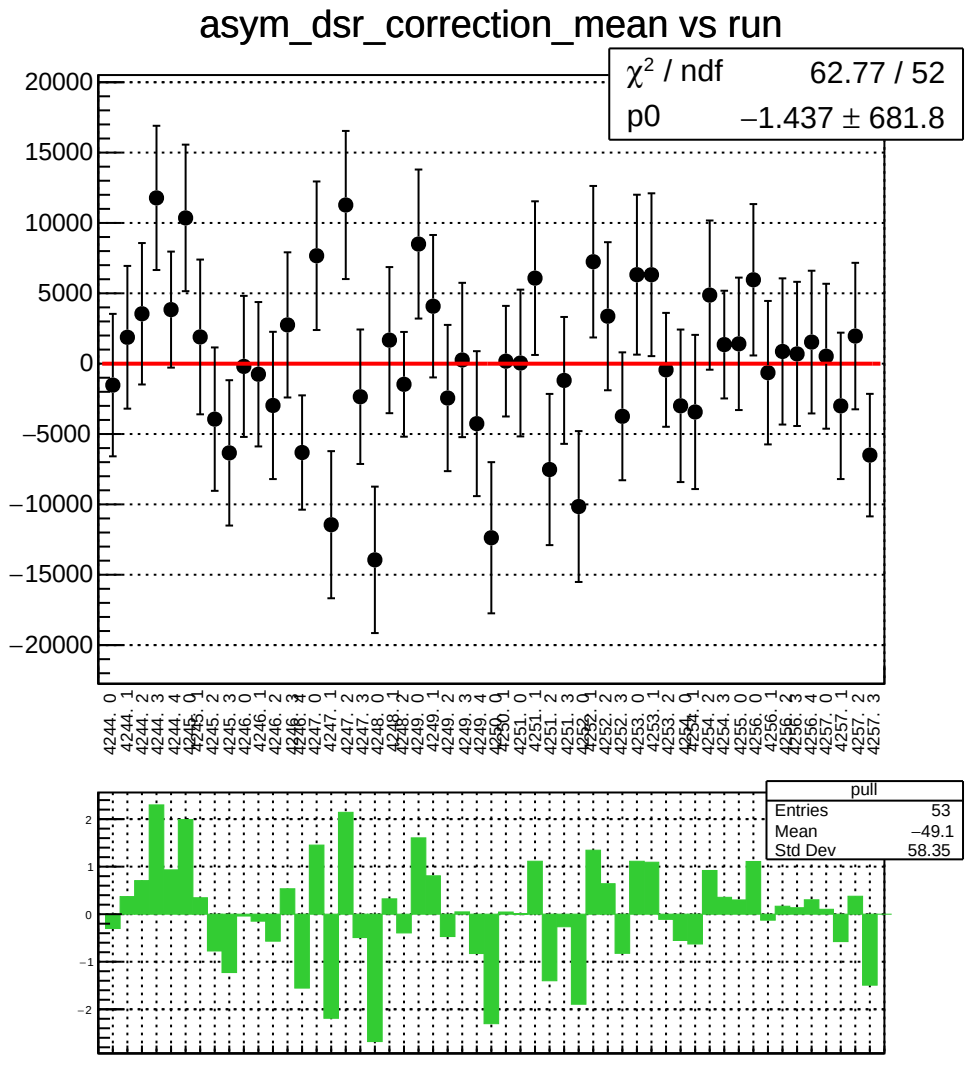

pull1D
Entries 53
Mean −0.01274
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

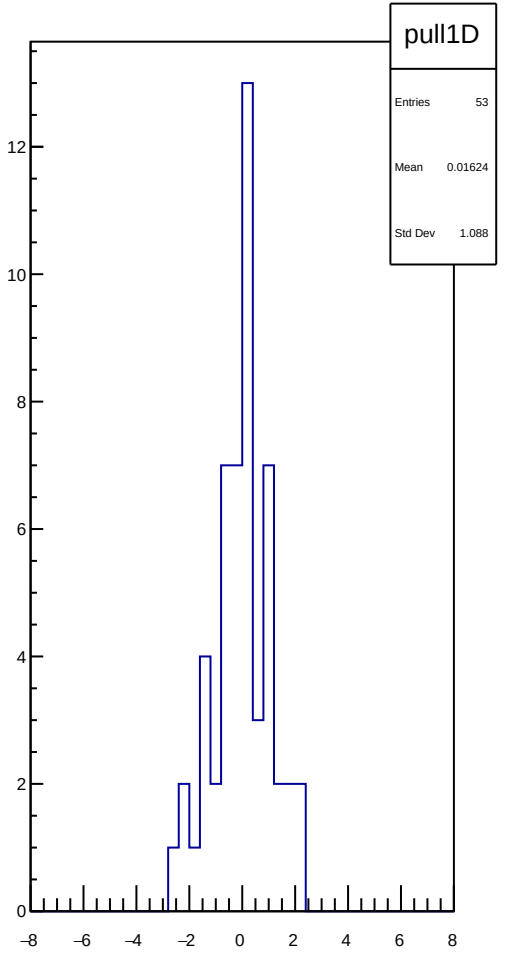

asym_dsl_rms vs run
χ² / ndf 545.5 / 52
p0 583.5 ± 0.5625
630
620
610
600
590
580
570
560
550
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

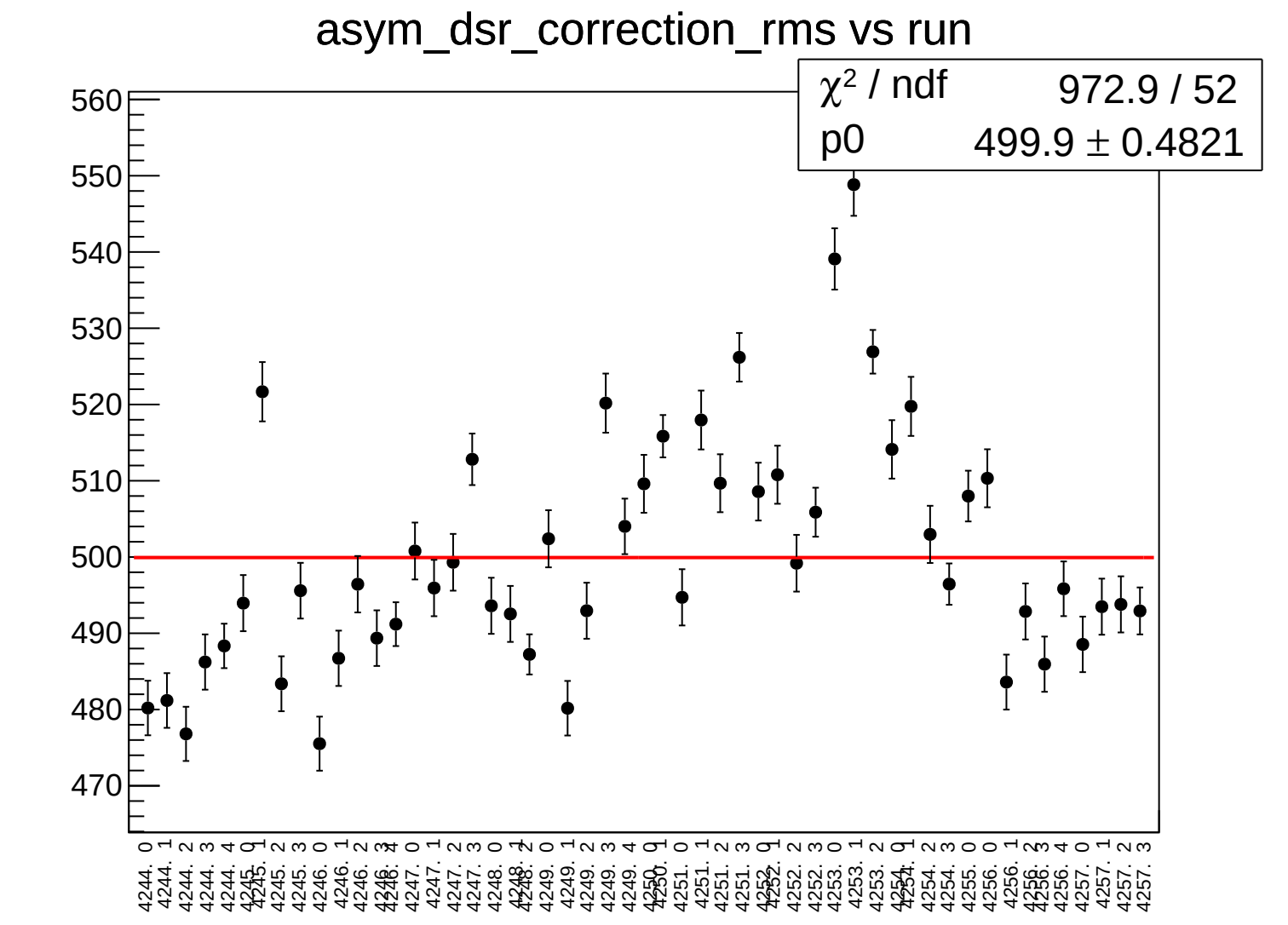

reg_asym_dsr_mean vs run
χ² / ndf 53.73 / 52
p0 −684.9 ± 192
4000
2000
0
−2000
−4000
−6000
pull
Entries 53
Mean −3.507
Std Dev 29.66
2
1
0
−1
−2
−3

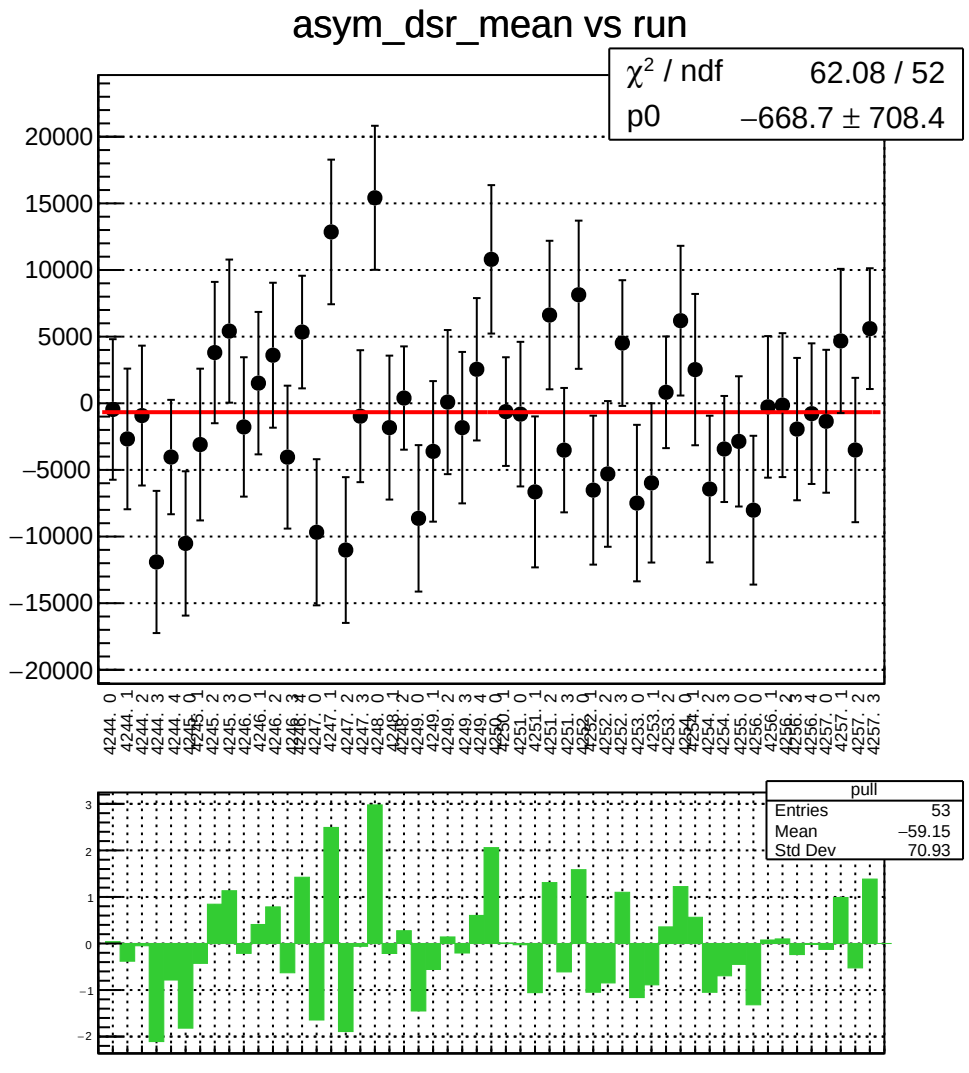

pull1D
Entries 53
Mean 0.0205
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

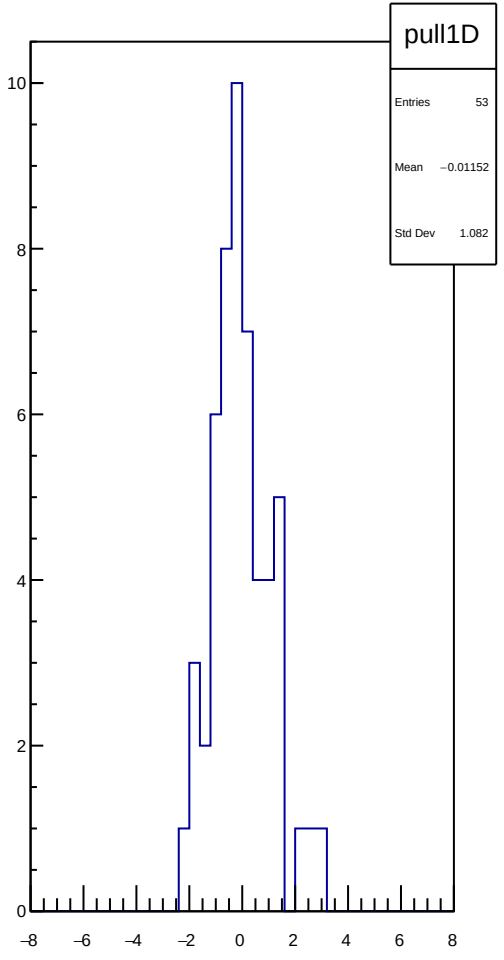

reg_asym_dsr_rms vs run
χ² / ndf 83.21 / 52
p0 140.8 ± 0.1357
145
144
143
142
141
140
139
138
137
136
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

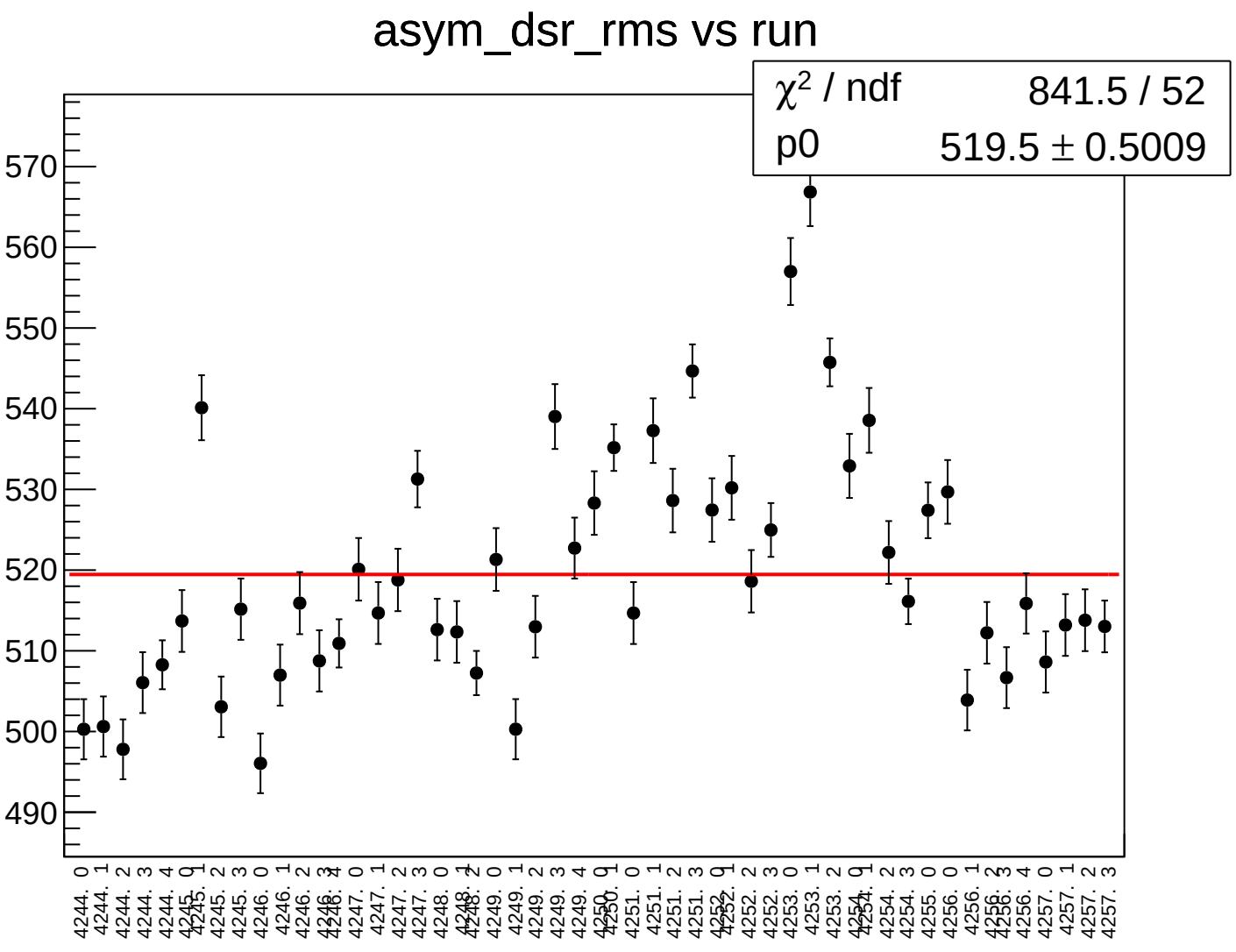

asym_dsr_correction_mean vs run
χ² / ndf 62.77 / 52
p0 −1.437 ± 681.8
pull
Entries 53
Mean −49.1
Std Dev 58.35

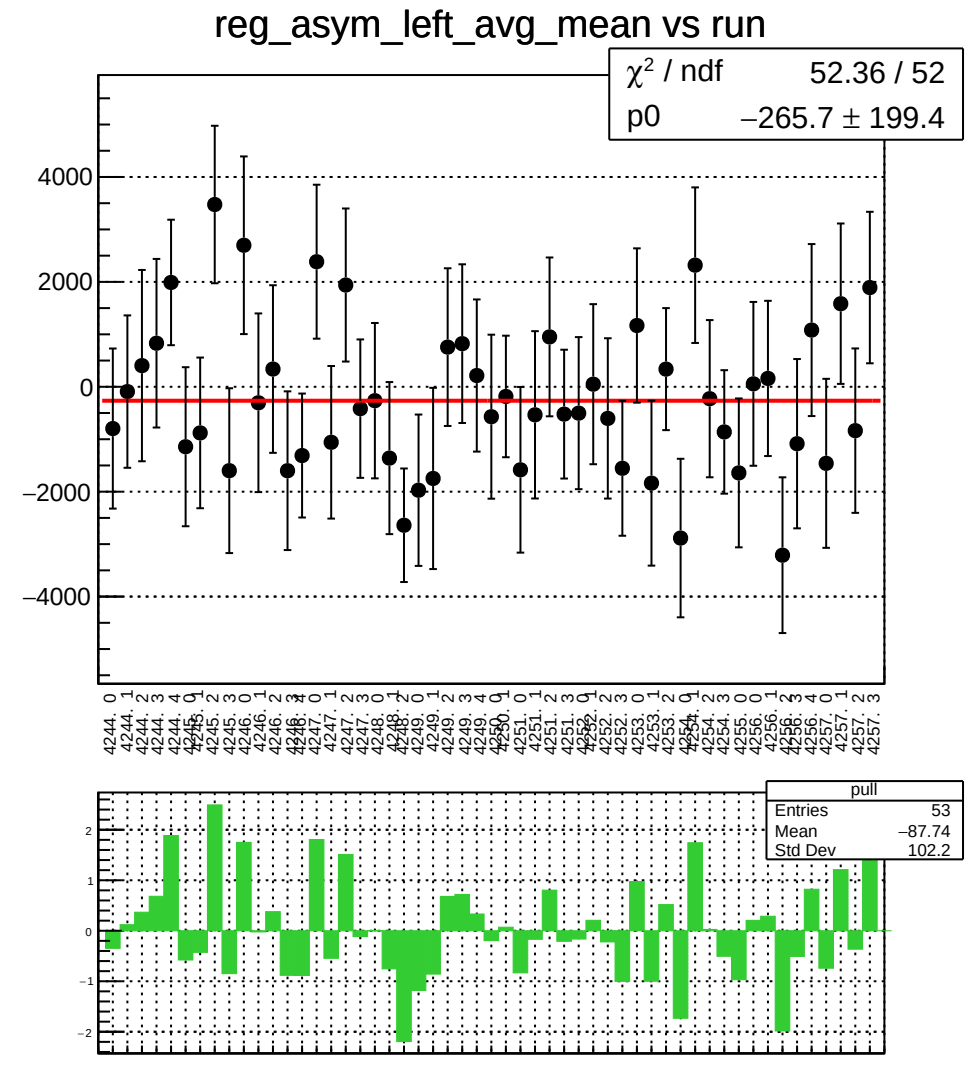

pull1D
Entries 53
Mean 0.01624
Std Dev 1.088

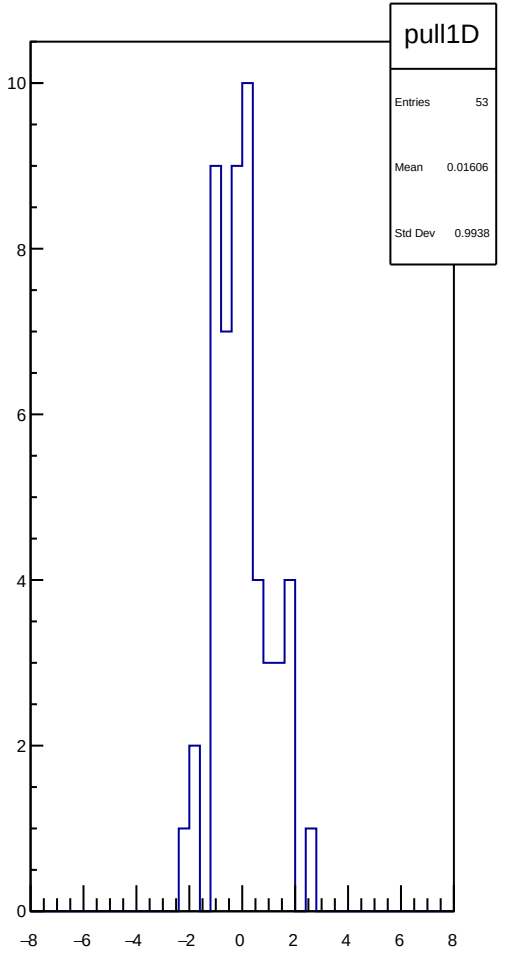

asym_dsr_correction_rms vs run
χ² / ndf 972.9 / 52
p0 499.9 ± 0.4821
560
550
540
530
520
510
500
490
480
470
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

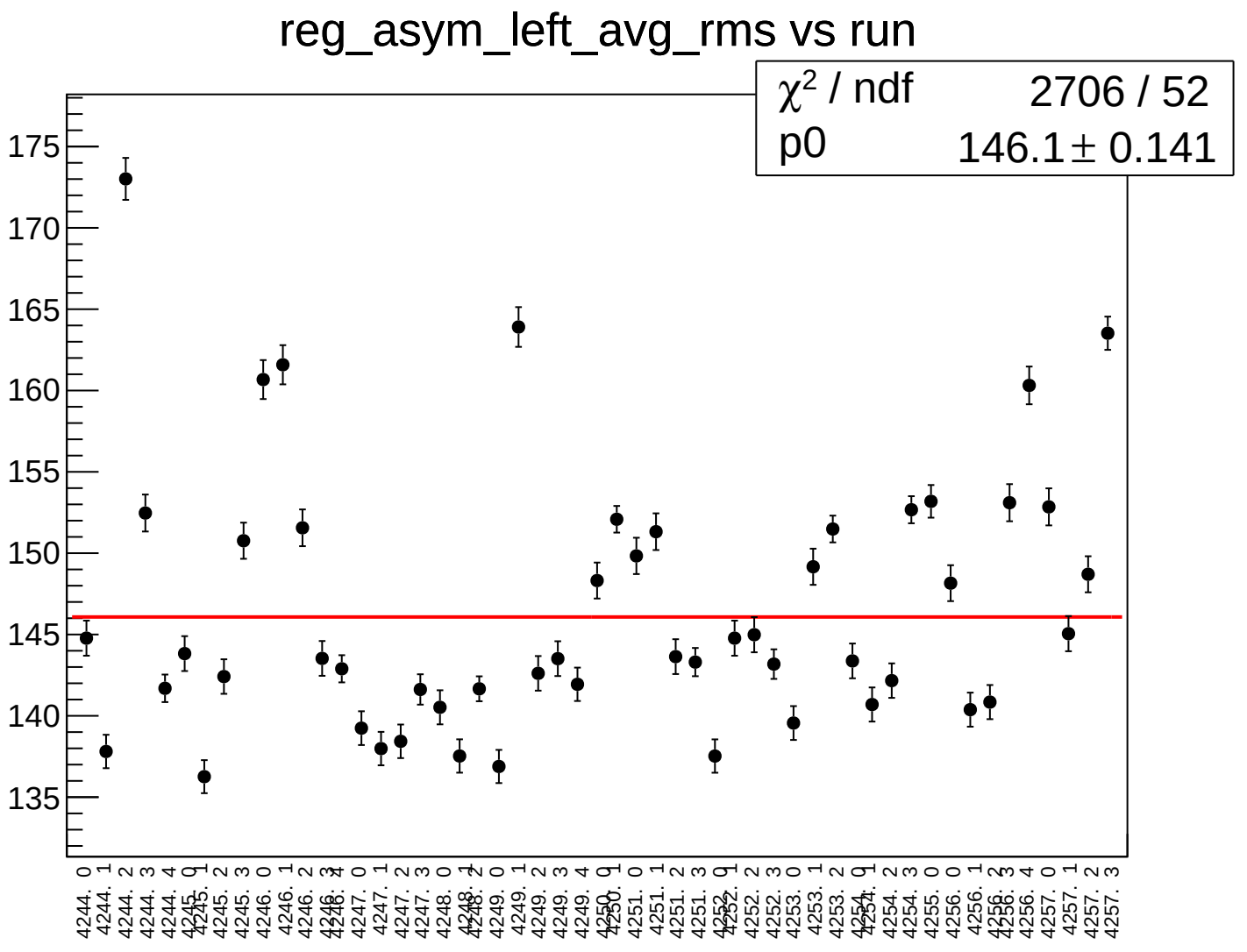

asym_dsr_mean vs run
χ² / ndf 62.08 / 52
p0 −668.7 ± 708.4
pull
Entries 53
Mean −59.15
Std Dev 70.93

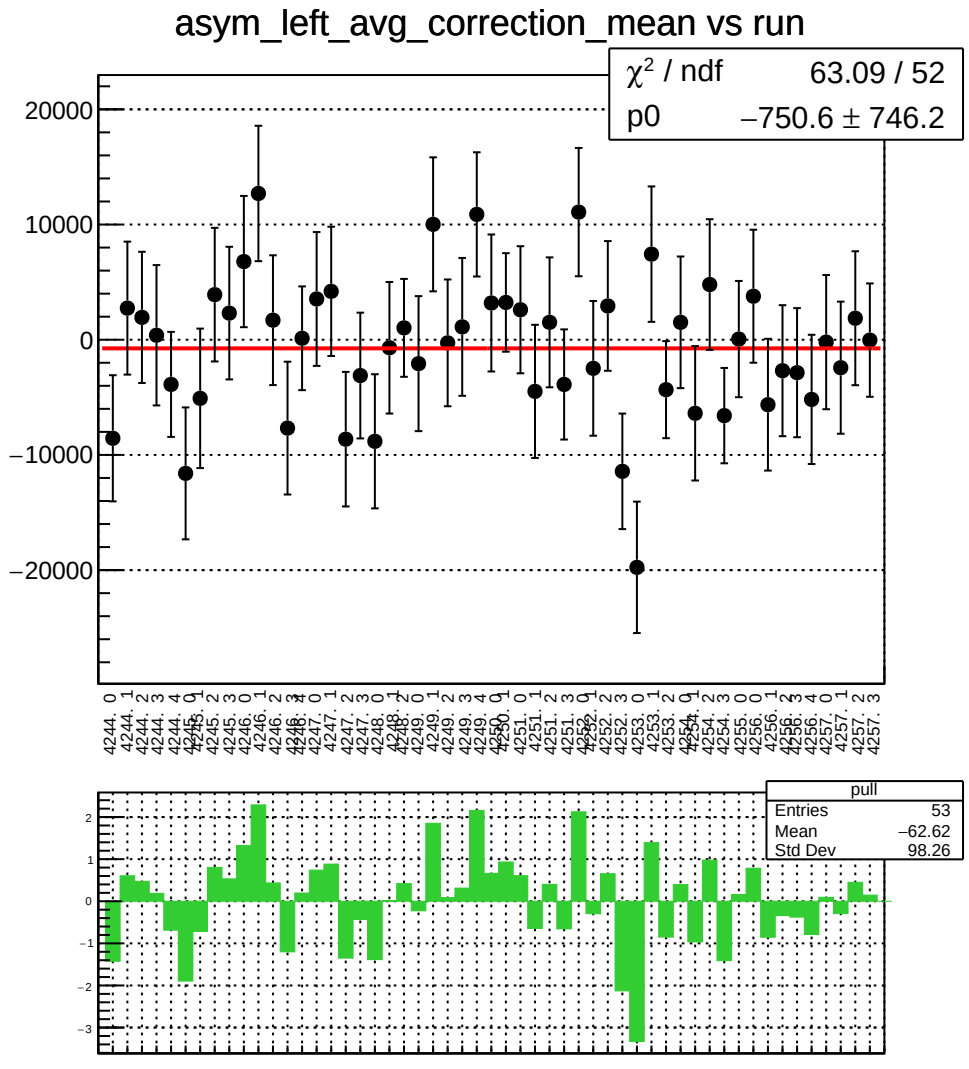

pull1D
Entries 53
Mean −0.01152
Std Dev 1.082

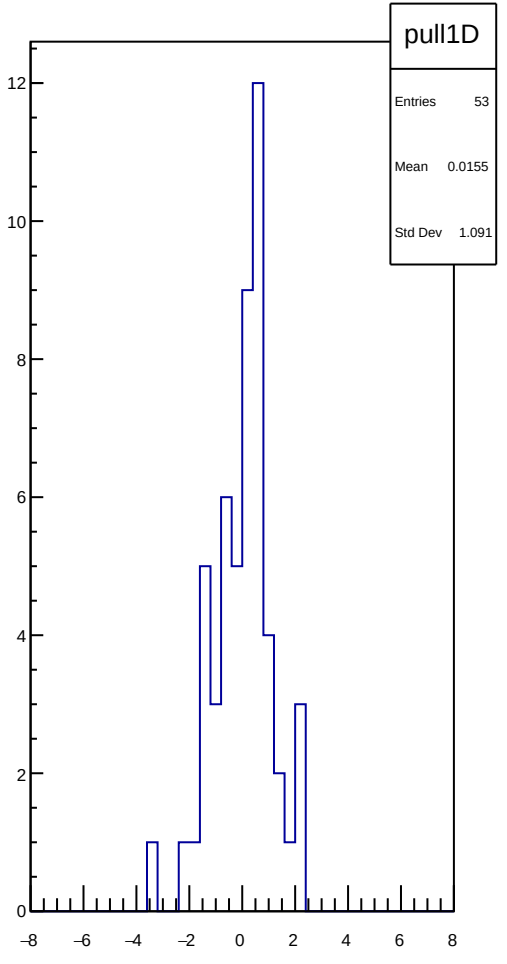

asym_dsr_rms vs run
χ² / ndf 841.5 / 52
p0 519.5 ± 0.5009
570
560
550
540
530
520
510
500
490
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

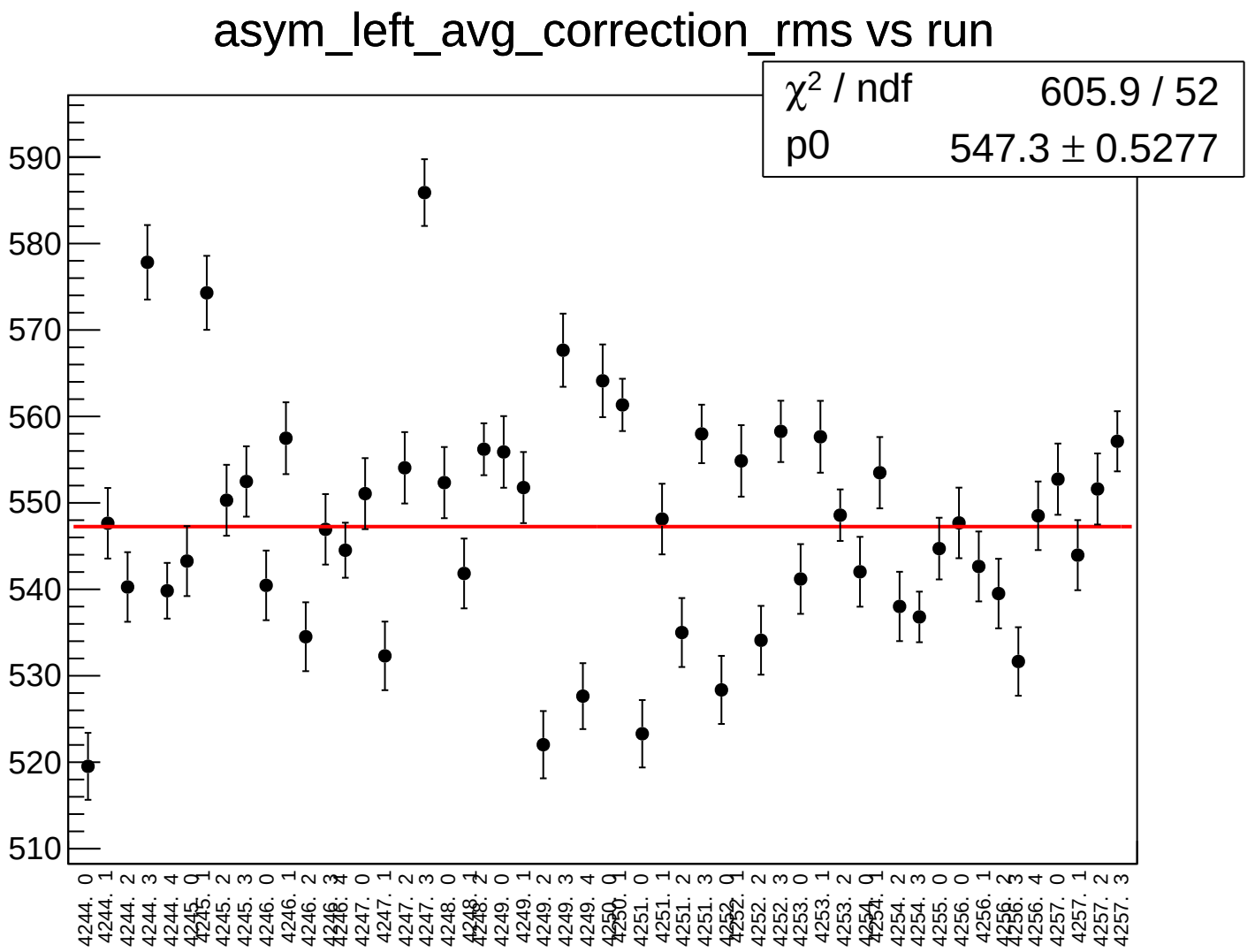

reg_asym_left_avg_mean vs run
χ² / ndf 52.36 / 52
p0 −265.7 ± 199.4
4000
2000
0
−2000
−4000
pull
Entries 53
Mean −87.74
Std Dev 102.2
2
1
0
−1
−2

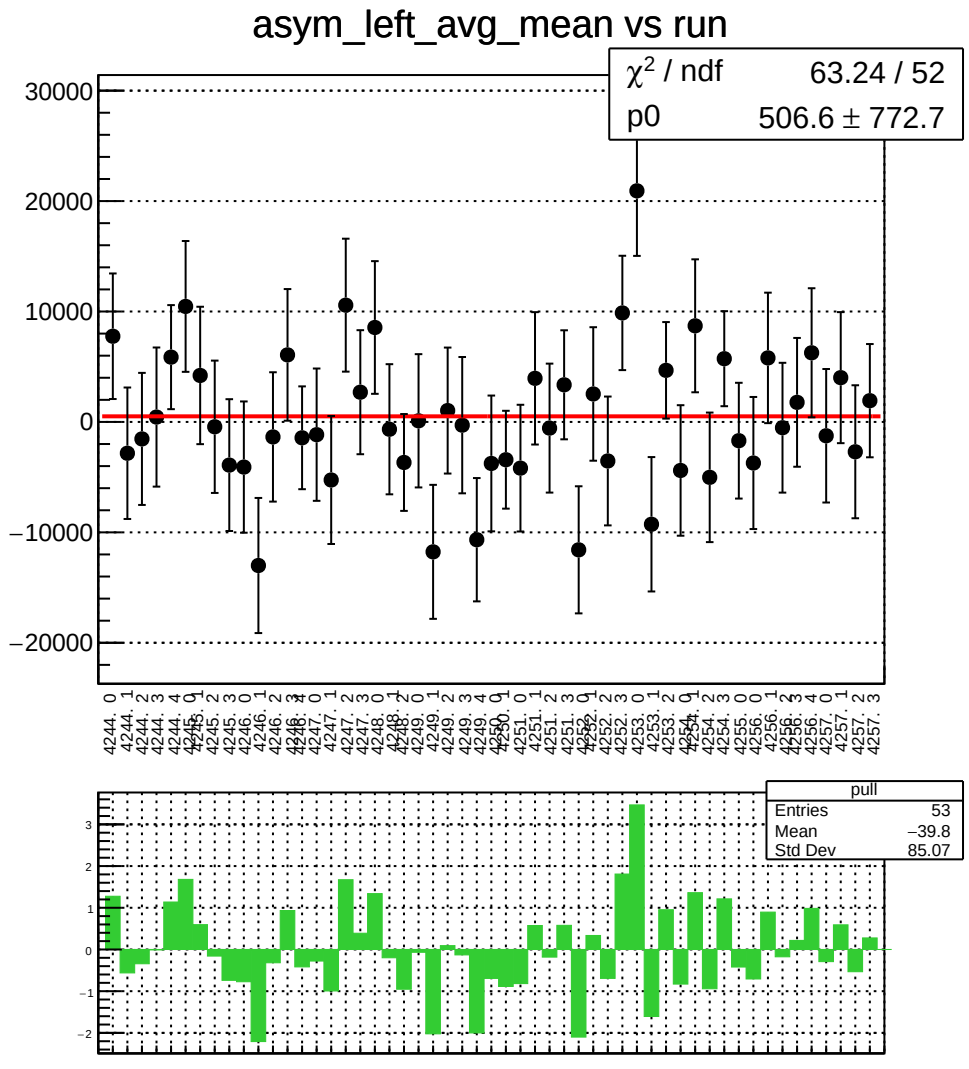

pull1D
Entries 53
Mean 0.01606
Std Dev 0.9938
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

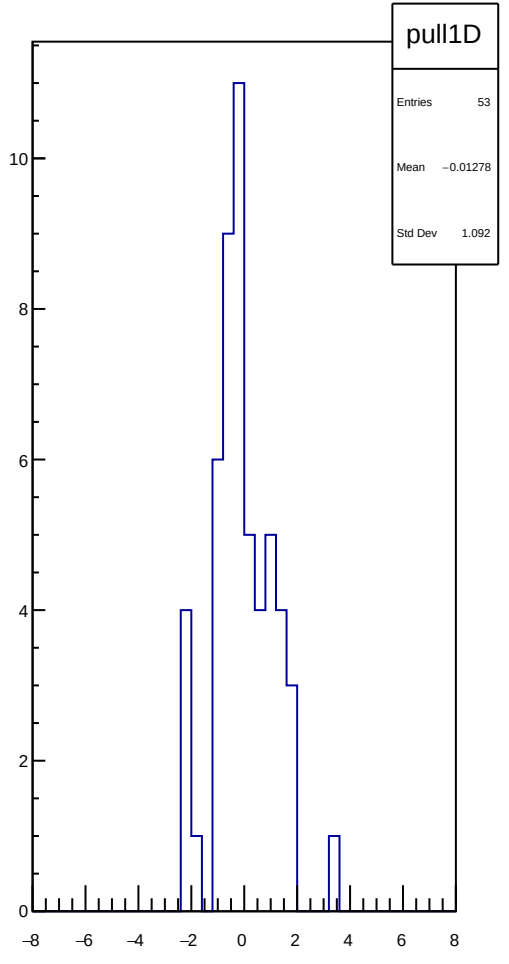

reg_asym_left_avg_rms vs run
χ² / ndf 2706 / 52
p0 146.1 ± 0.141
175
170
165
160
155
150
145
140
135
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

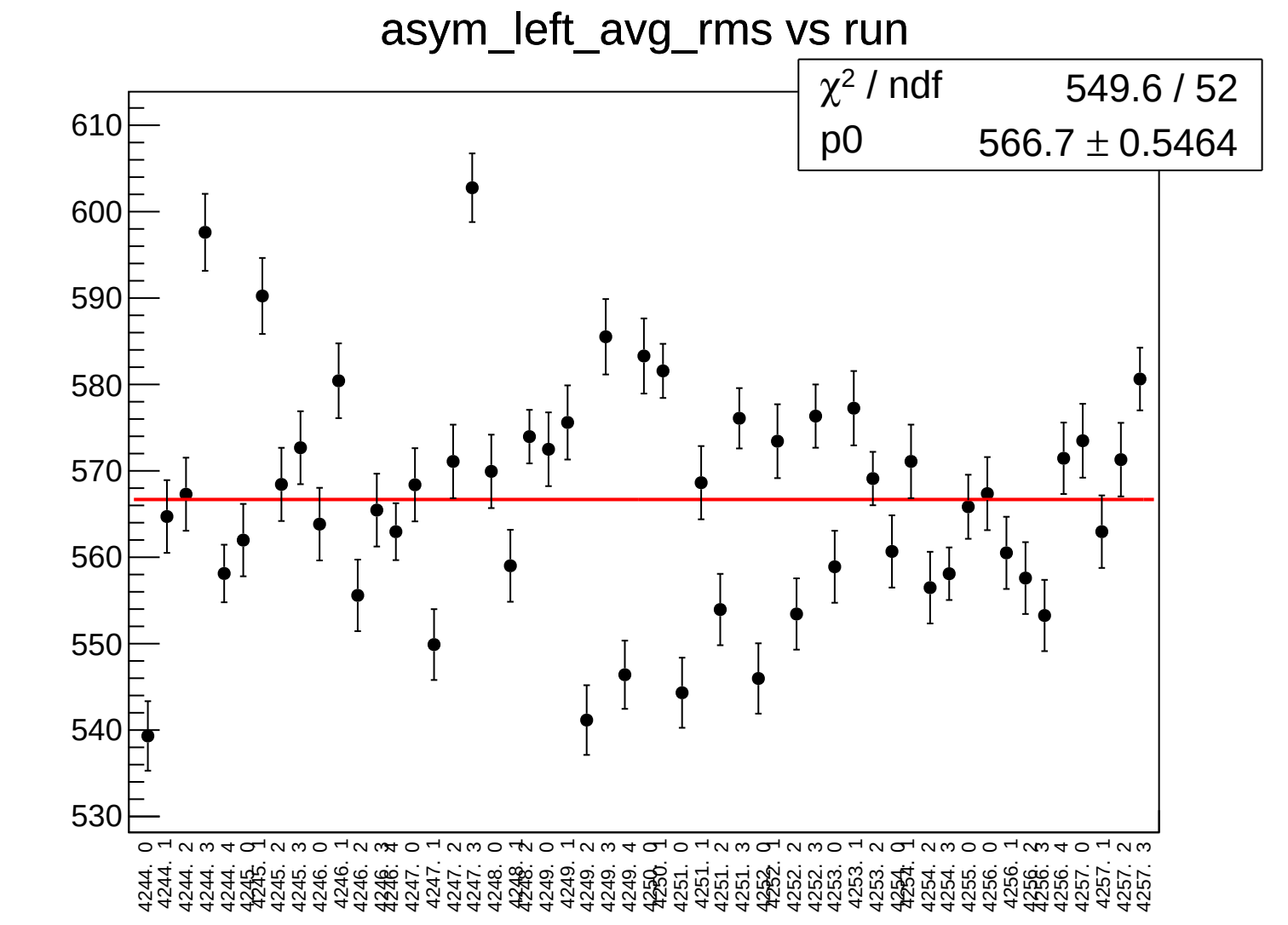

asym_left_avg_correction_mean vs run
χ² / ndf 63.09 / 52
p0 −750.6 ± 746.2
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −62.62
Std Dev 98.26
2
1
0
−1
−2
−3

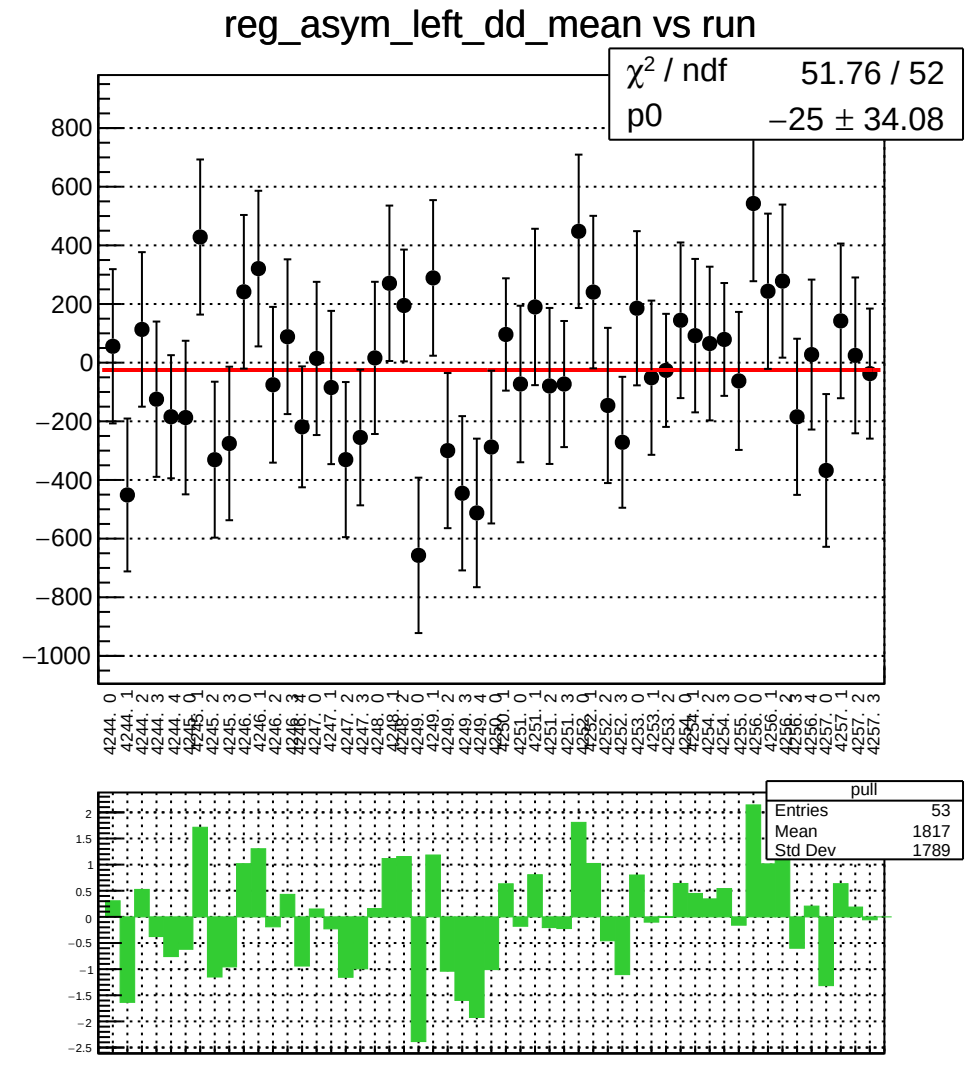

pull1D
Entries 53
Mean 0.0155
Std Dev 1.091
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

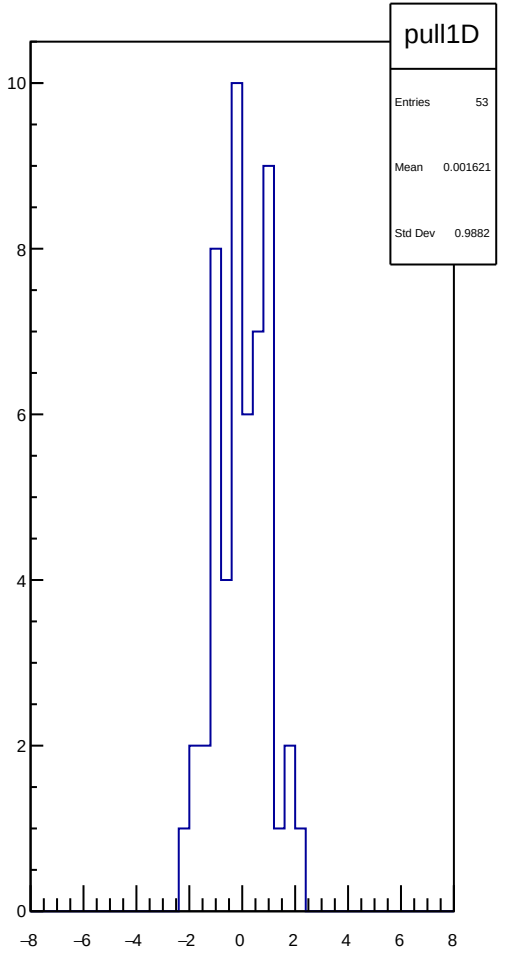

asym_left_avg_correction_rms vs run
χ² / ndf 605.9 / 52
p0 547.3 ± 0.5277
590
580
570
560
550
540
530
520
510
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

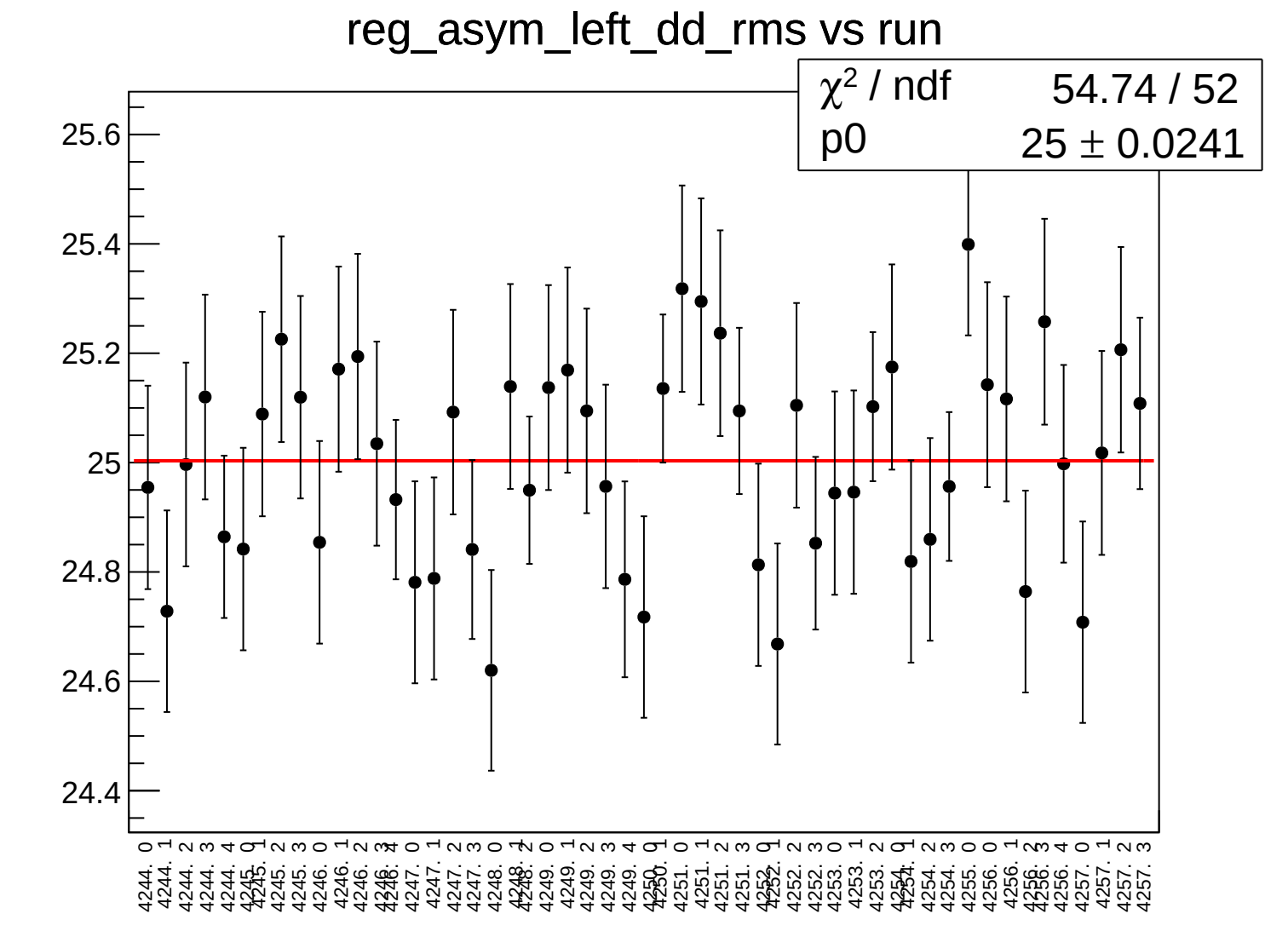

asym_left_avg_mean vs run
χ² / ndf 63.24 / 52
p0 506.6 ± 772.7
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −39.8
Std Dev 85.07
3
2
1
0
−1
−2

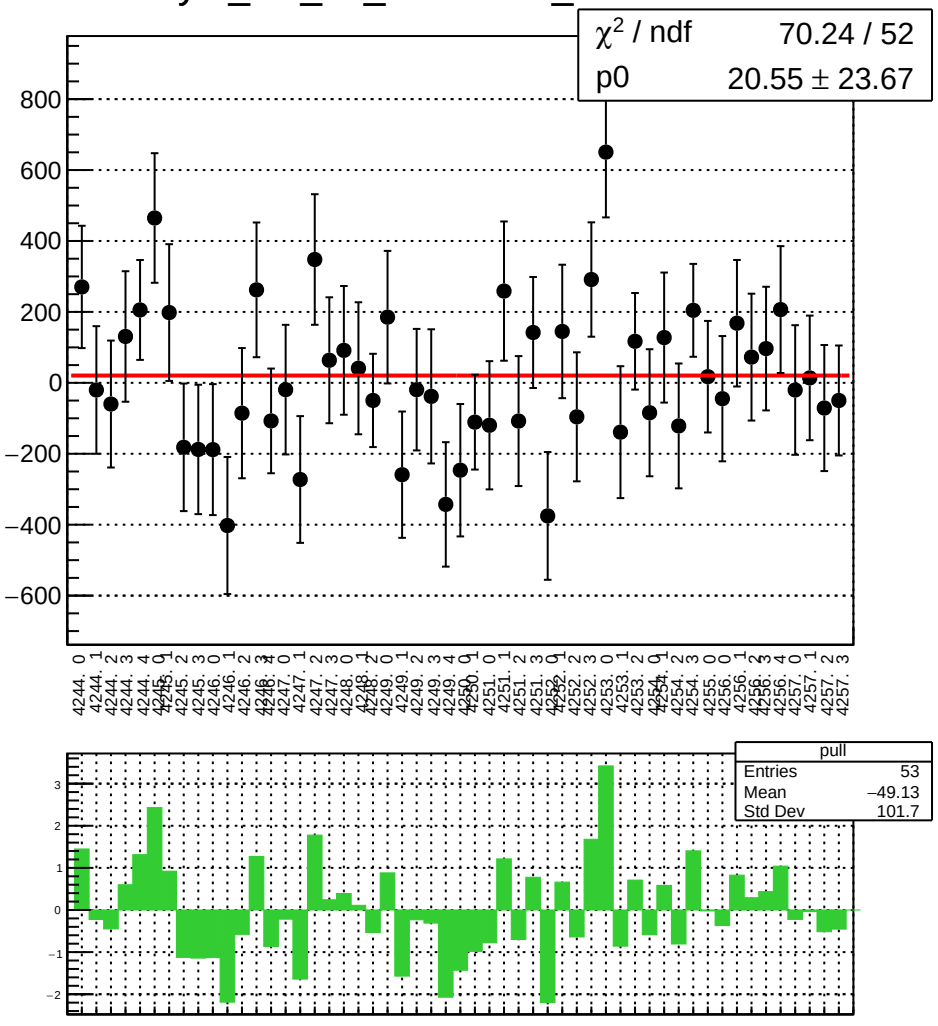

pull1D
Entries 53
Mean −0.01278
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

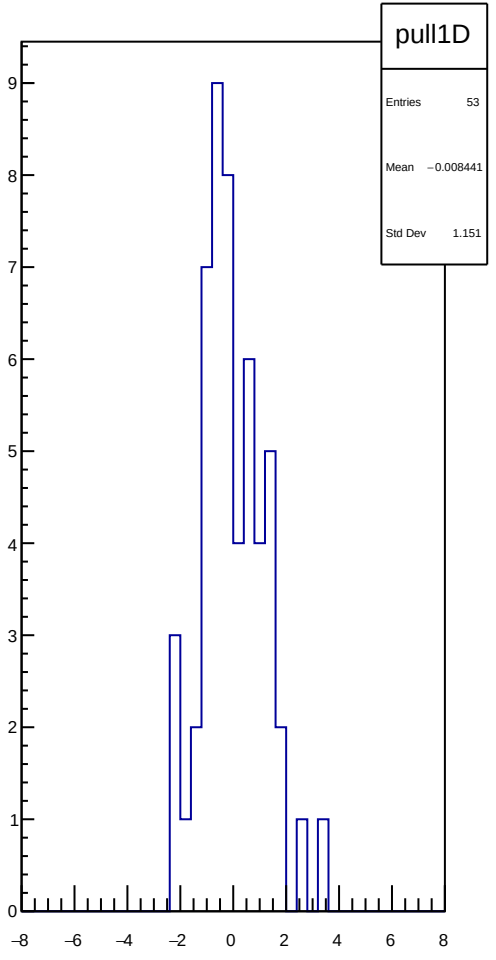

asym_left_avg_rms vs run
χ^2 / ndf 549.6 / 52
p0 566.7 ± 0.5464
610
600
590
580
570
560
550
540
530
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

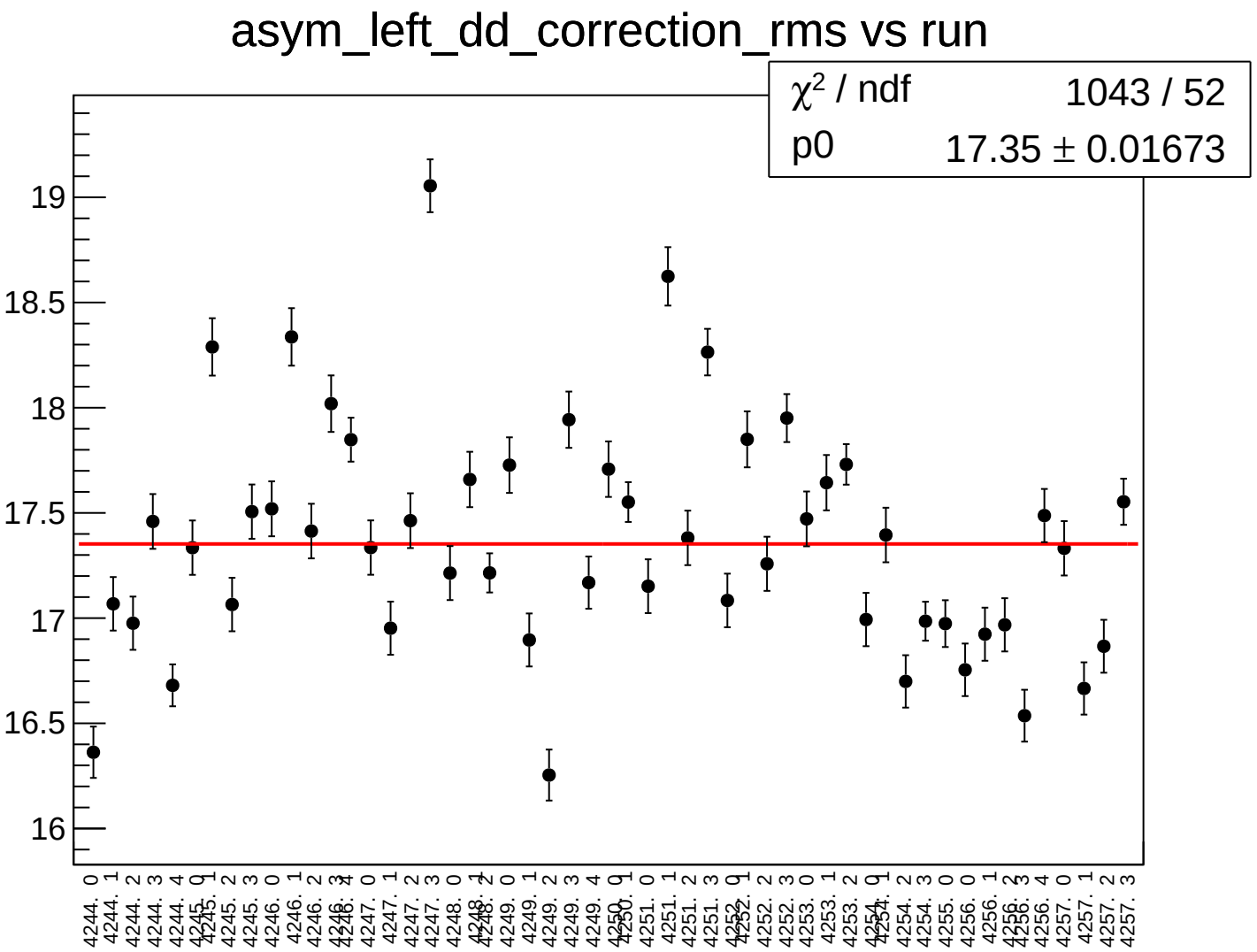

reg_asym_left_dd_mean vs run
χ² / ndf 51.76 / 52
p0 −25 ± 34.08
pull
Entries 53
Mean 1817
Std Dev 1789

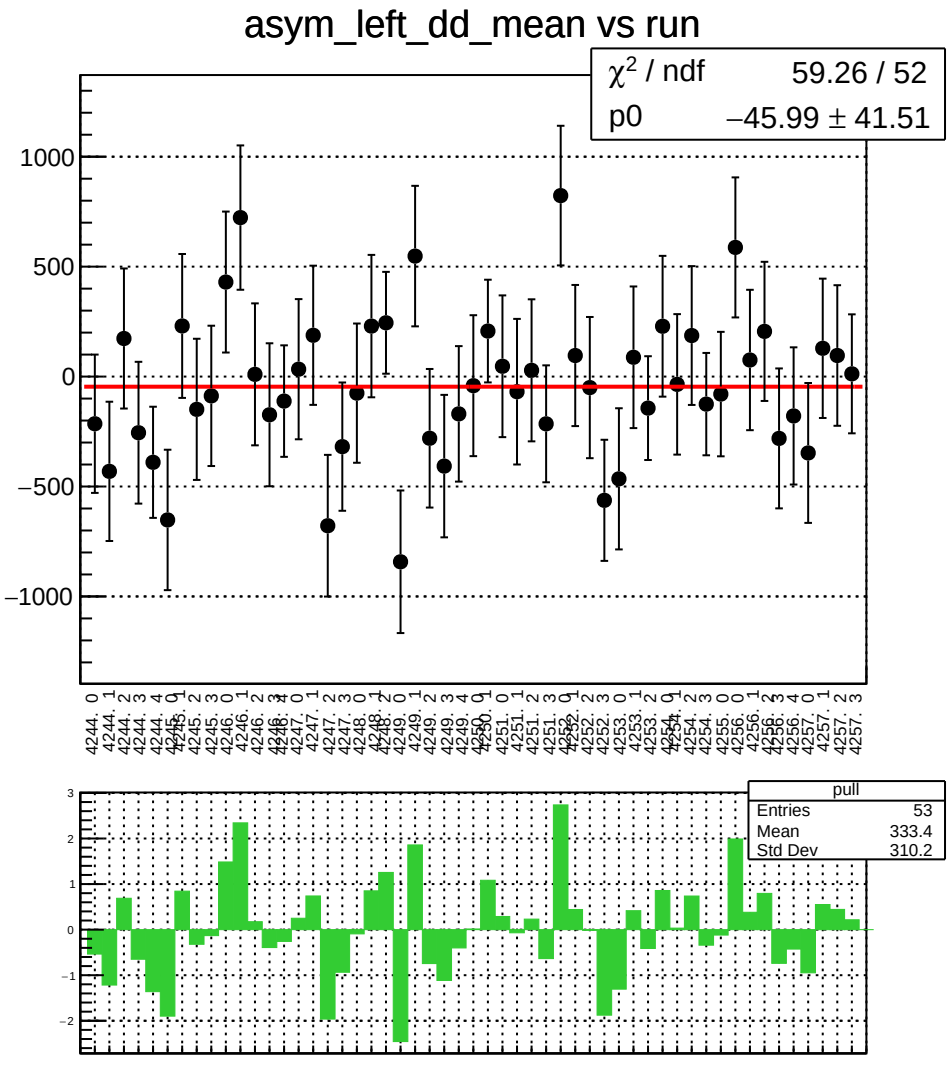

pull1D
Entries 53
Mean 0.001621
Std Dev 0.9882

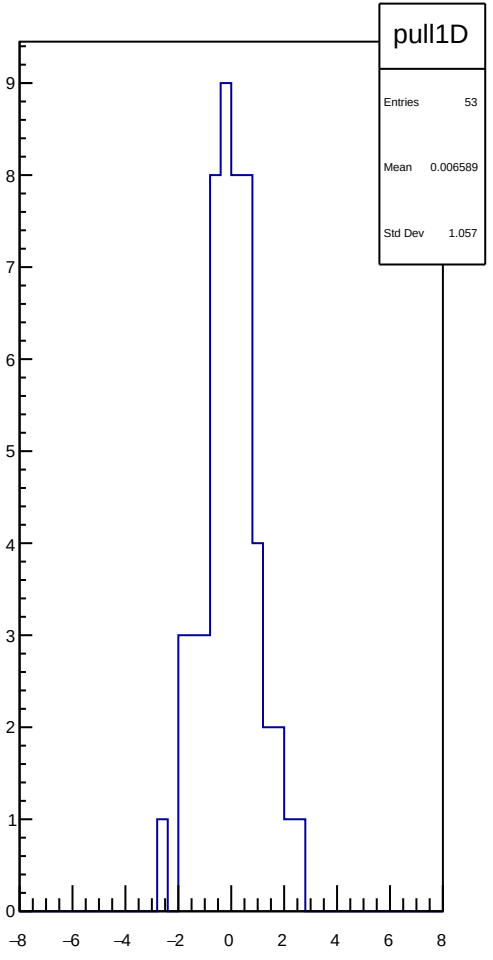

reg_asym_left_dd_rms vs run
χ² / ndf 54.74 / 52
p0 25 ± 0.0241
25.6
25.4
25.2
25
24.8
24.6
24.4
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

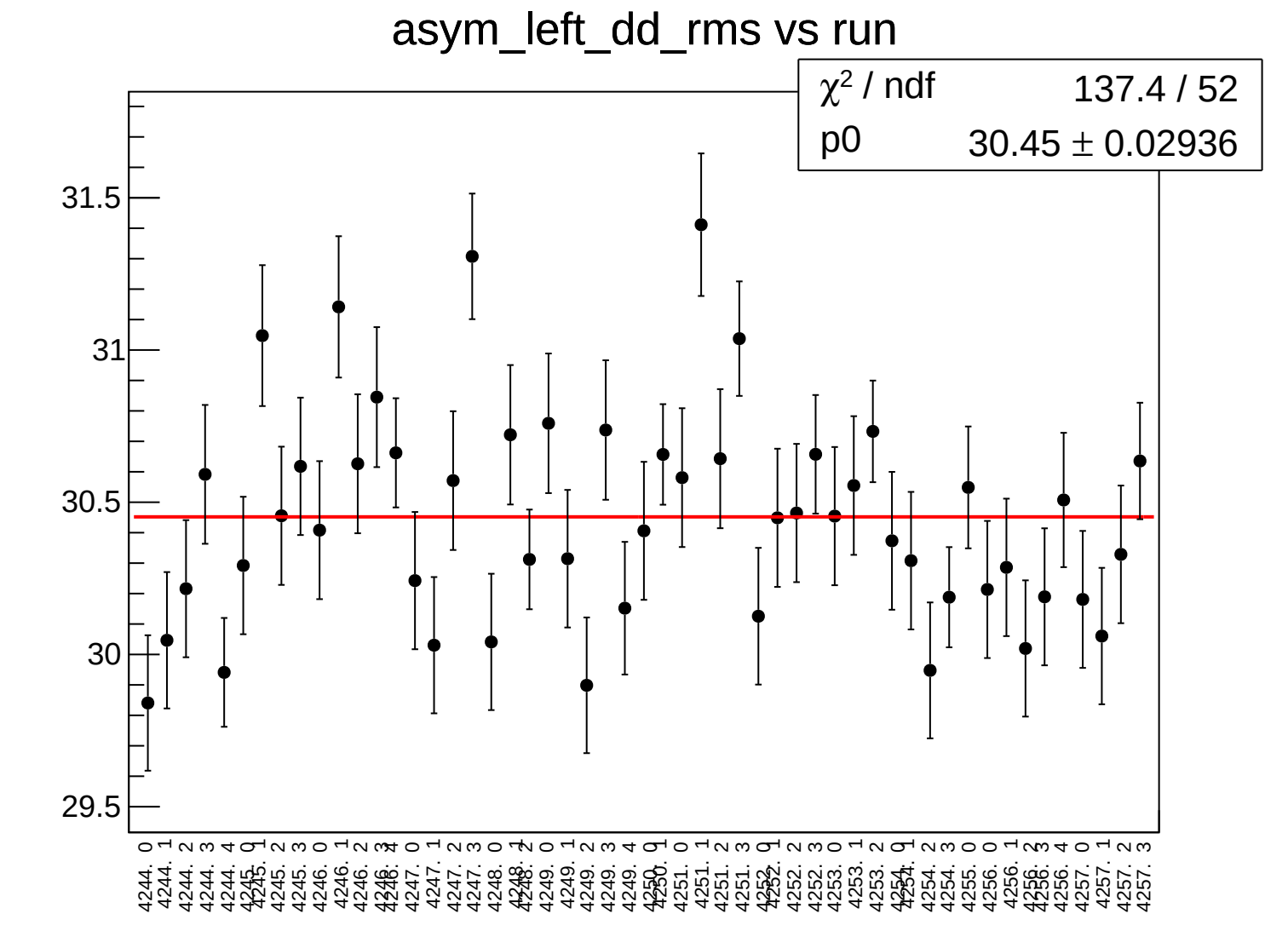

asym_left_dd_correction_mean vs run
χ² / ndf 70.24 / 52
p0 20.55 ± 23.67
pull
Entries 53
Mean −49.13
Std Dev 101.7

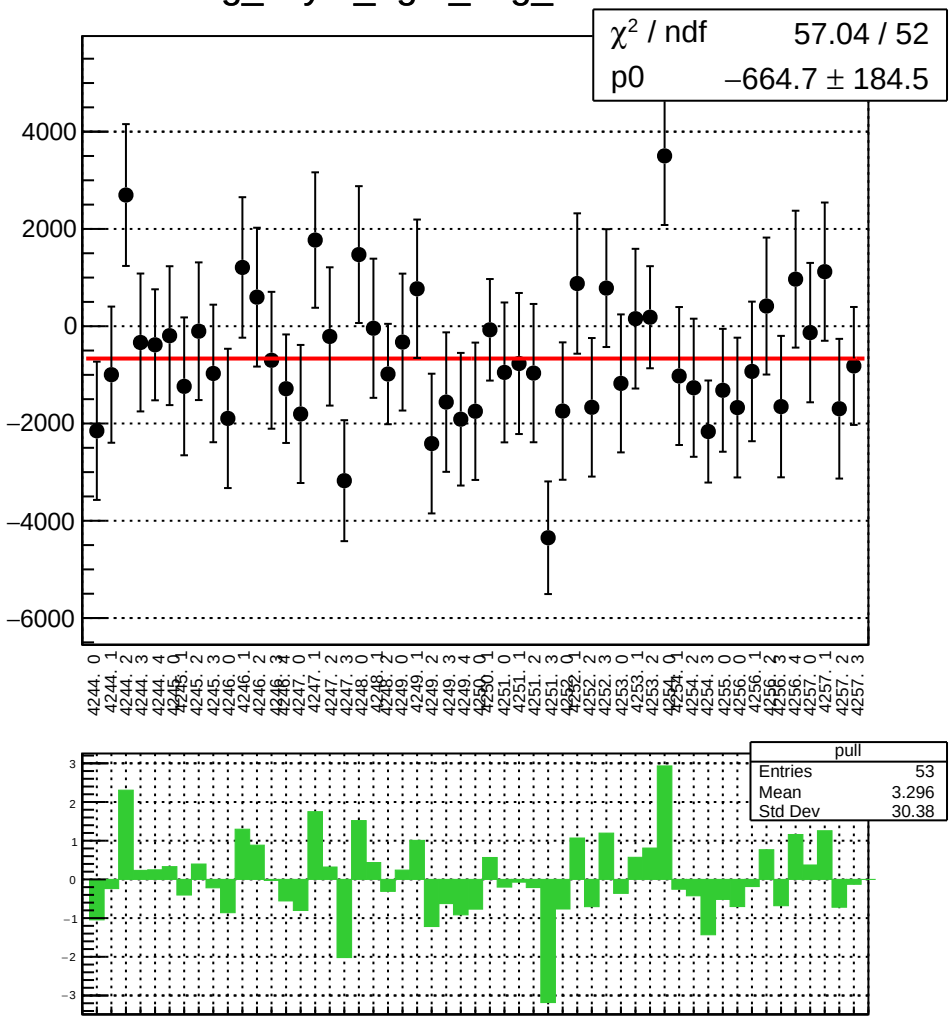

pull1D
Entries 53
Mean −0.008441
Std Dev 1.151

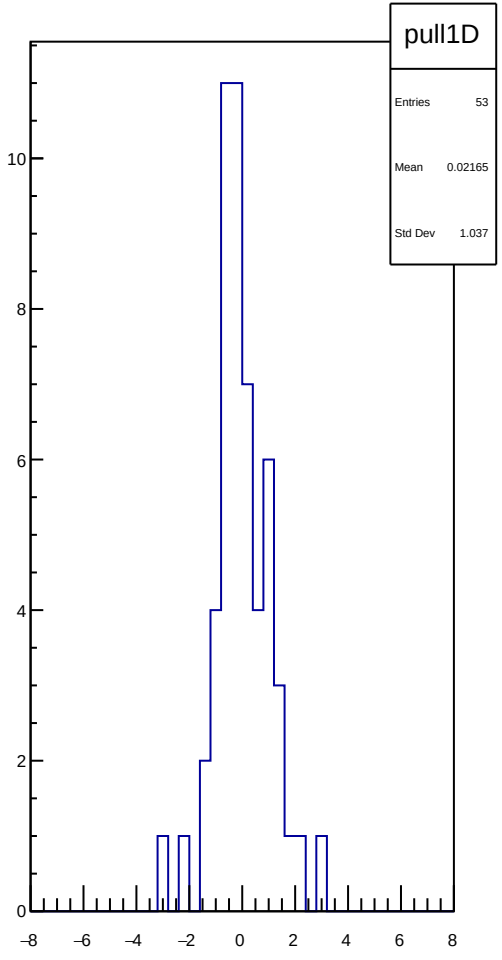

asym_left_dd_correction_rms vs run
χ² / ndf 1043 / 52
p0 17.35 ± 0.01673
19
18.5
18
17.5
17
16.5
16
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

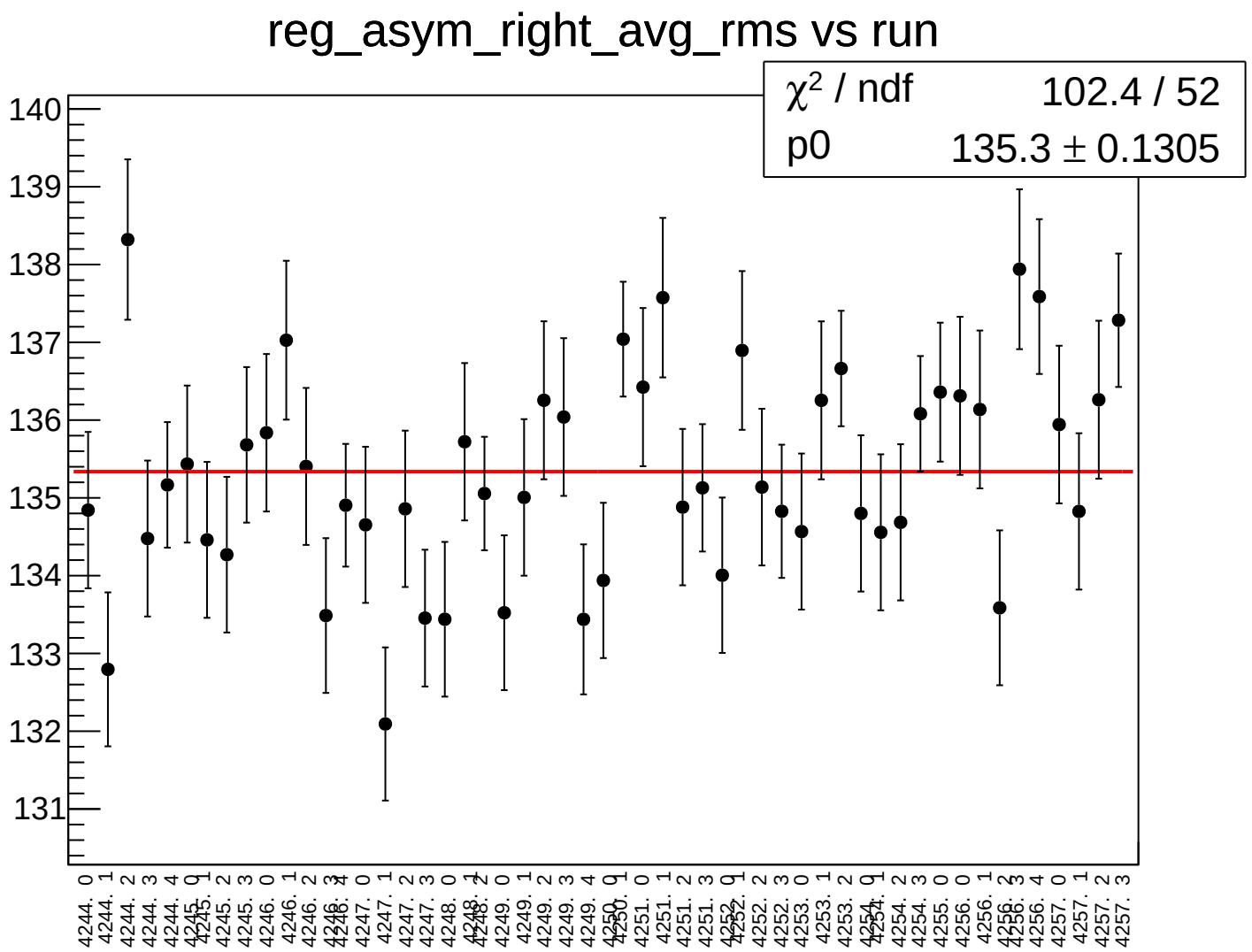

asym_left_dd_mean vs run
χ² / ndf 59.26 / 52
p0 −45.99 ± 41.51
1000
500
0
−500
−1000
pull
Entries 53
Mean 333.4
Std Dev 310.2
3
2
1
0
−1
−2

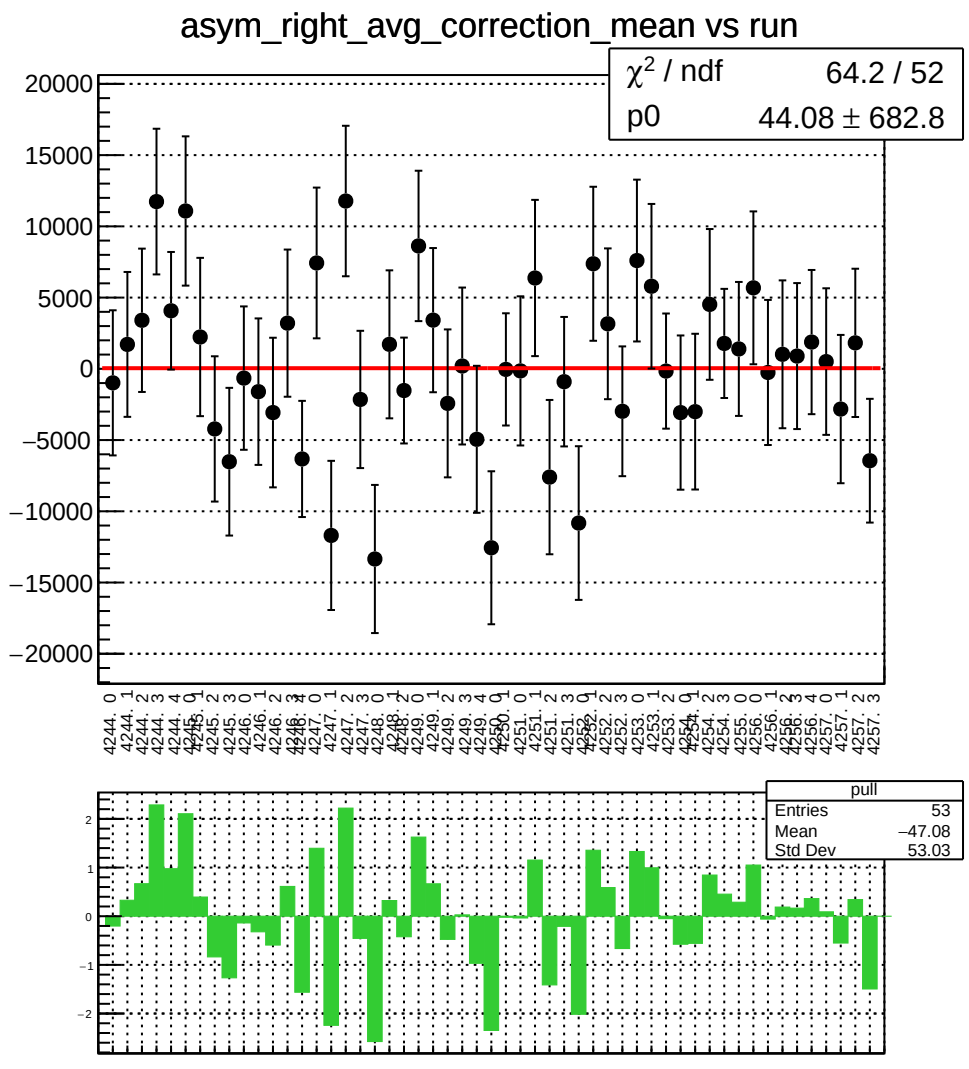

pull1D
Entries 53
Mean 0.006589
Std Dev 1.057
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

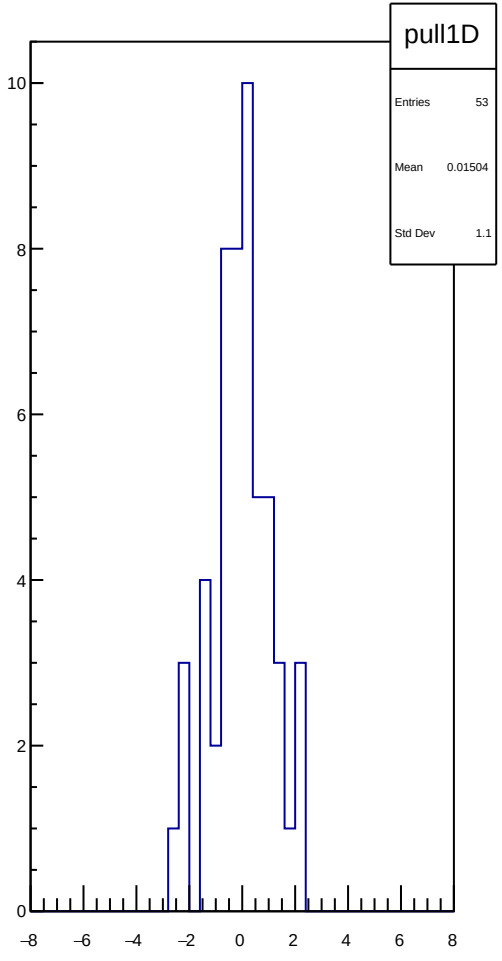

asym_left_dd_rms vs run
χ² / ndf 137.4 / 52
p0 30.45 ± 0.02936
31.5
31
30.5
30
29.5
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

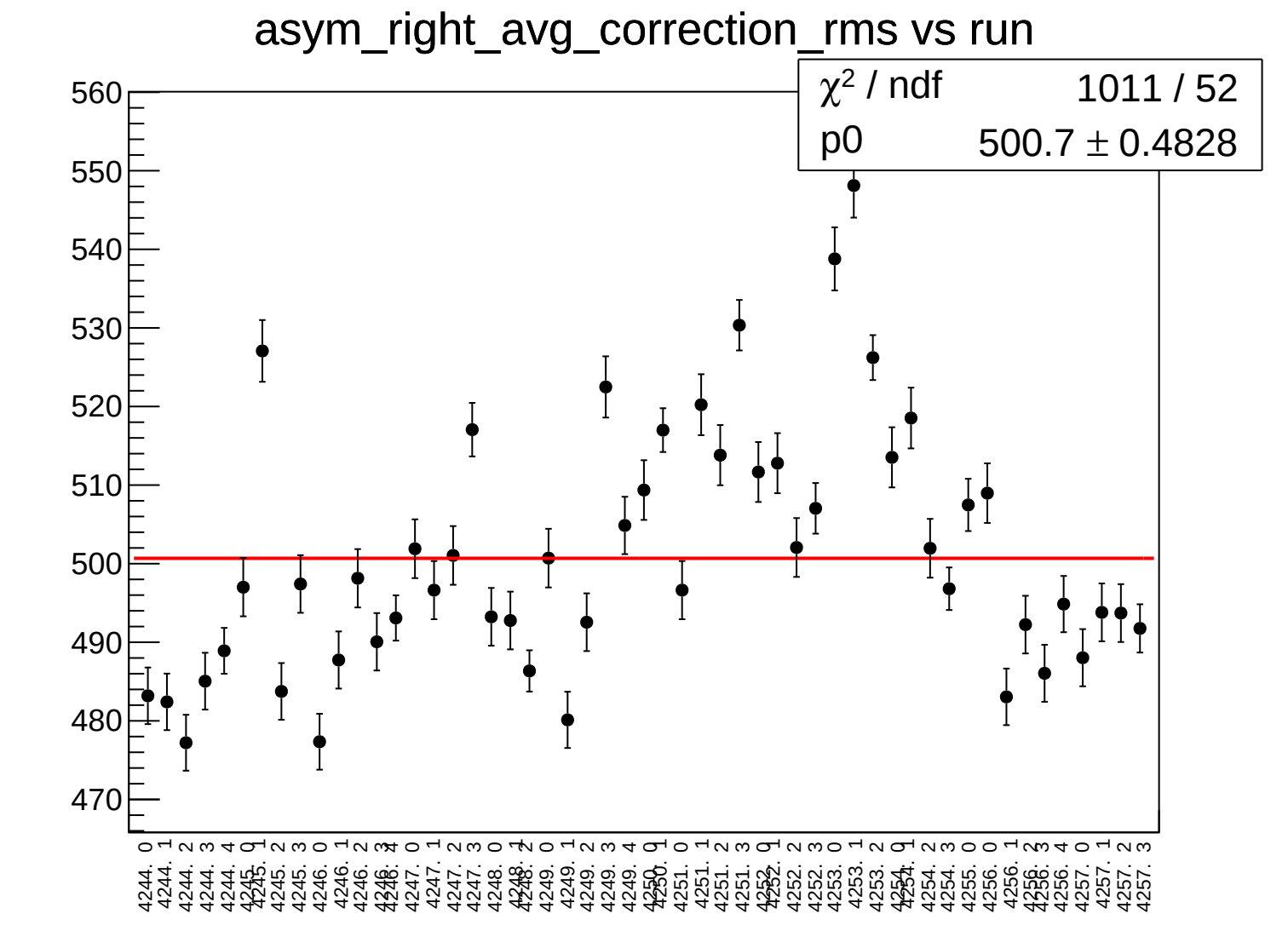

reg_asym_right_avg_mean vs run
χ² / ndf 57.04 / 52
p0 −664.7 ± 184.5
pull
Entries 53
Mean 3.296
Std Dev 30.38

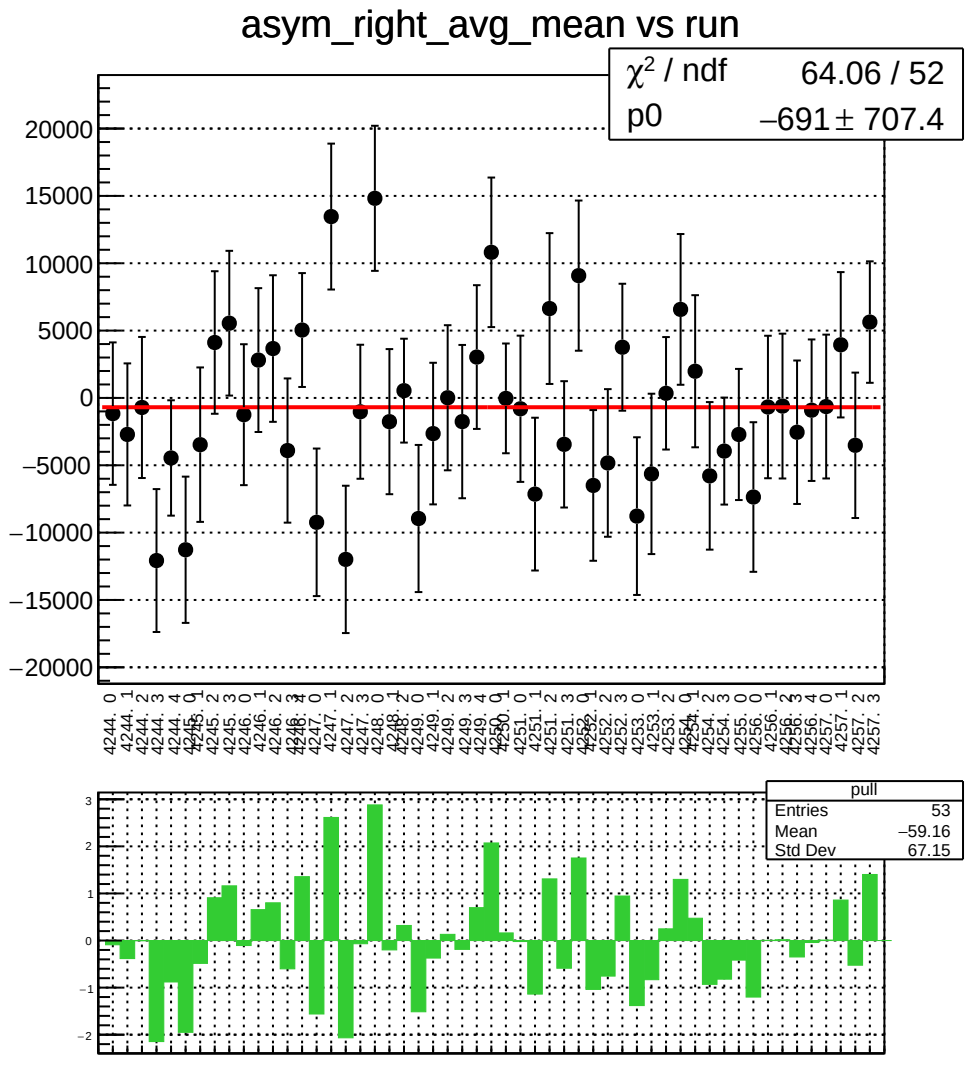

pull1D
Entries 53
Mean 0.02165
Std Dev 1.037

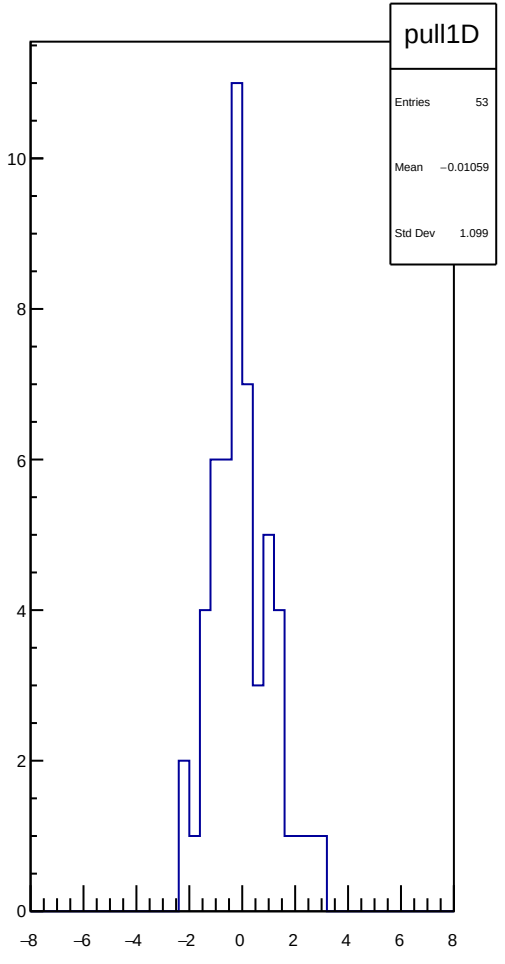

reg_asym_right_avg_rms vs run
χ² / ndf 102.4 / 52
p0 135.3 ± 0.1305
140
139
138
137
136
135
134
133
132
131
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

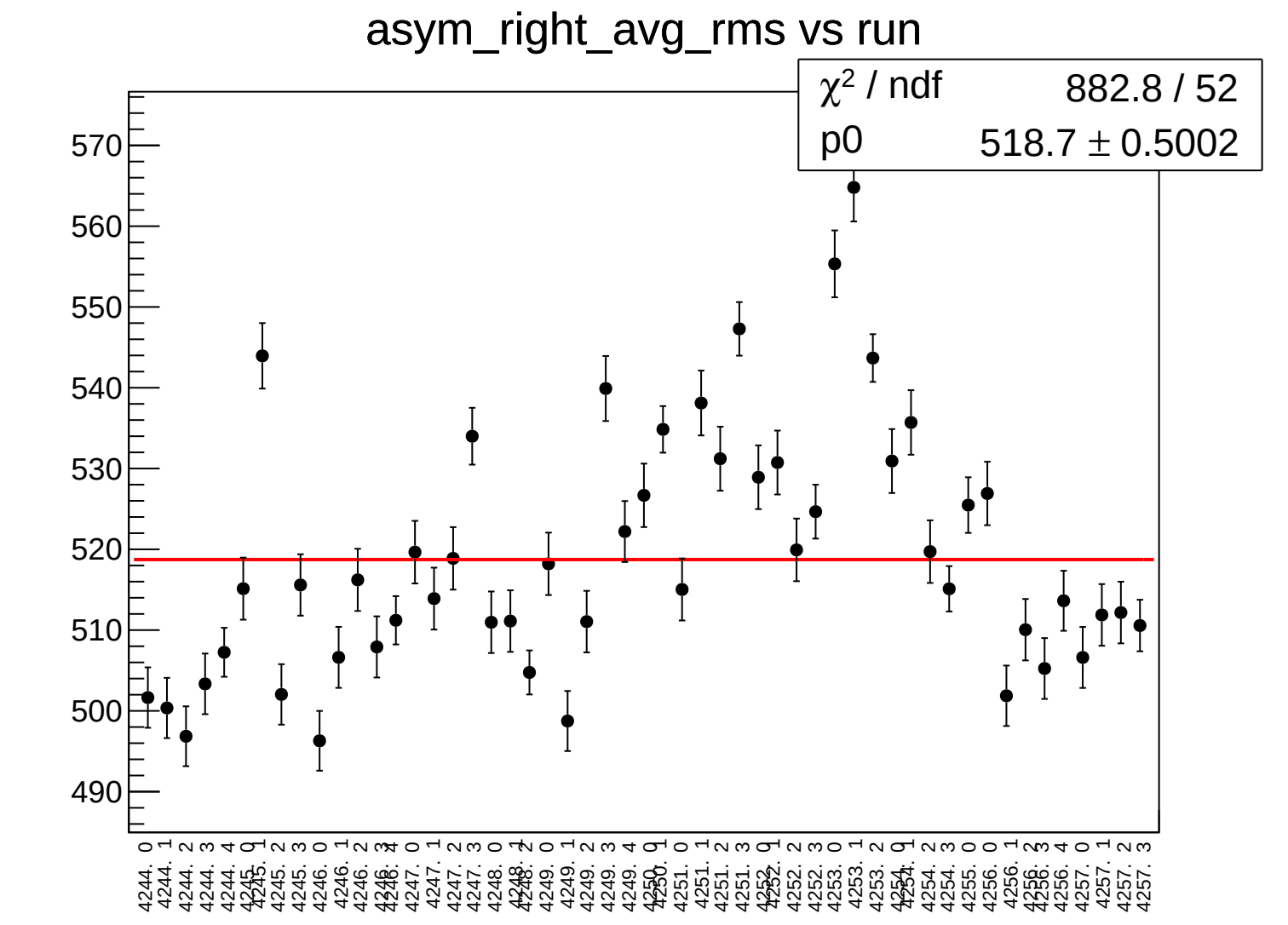

asym_right_avg_correction_mean vs run
χ² / ndf 64.2 / 52
p0 44.08 ± 682.8
pull
Entries 53
Mean −47.08
Std Dev 53.03

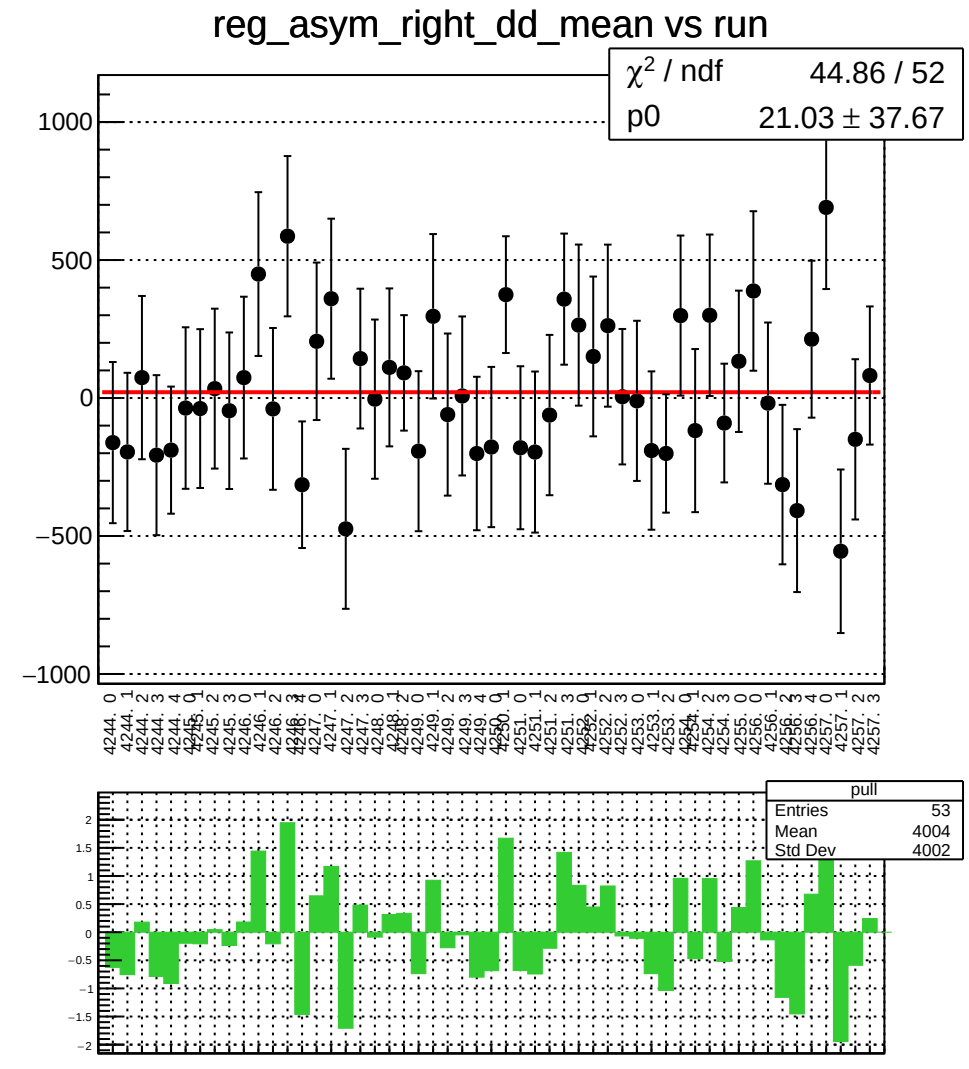

pull1D
Entries 53
Mean 0.01504
Std Dev 1.1

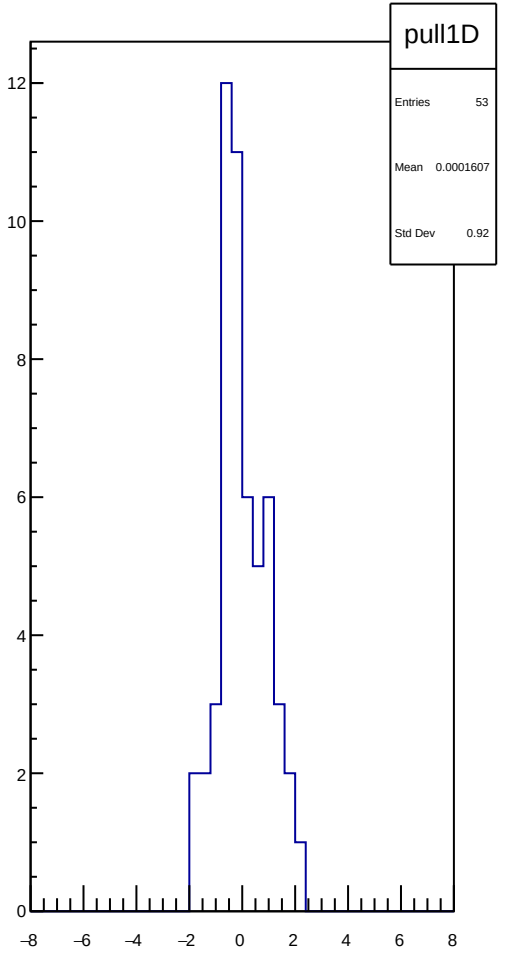

asym_right_avg_correction_rms vs run
χ² / ndf 1011 / 52
p0 500.7 ± 0.4828
560
550
540
530
520
510
500
490
480
470
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

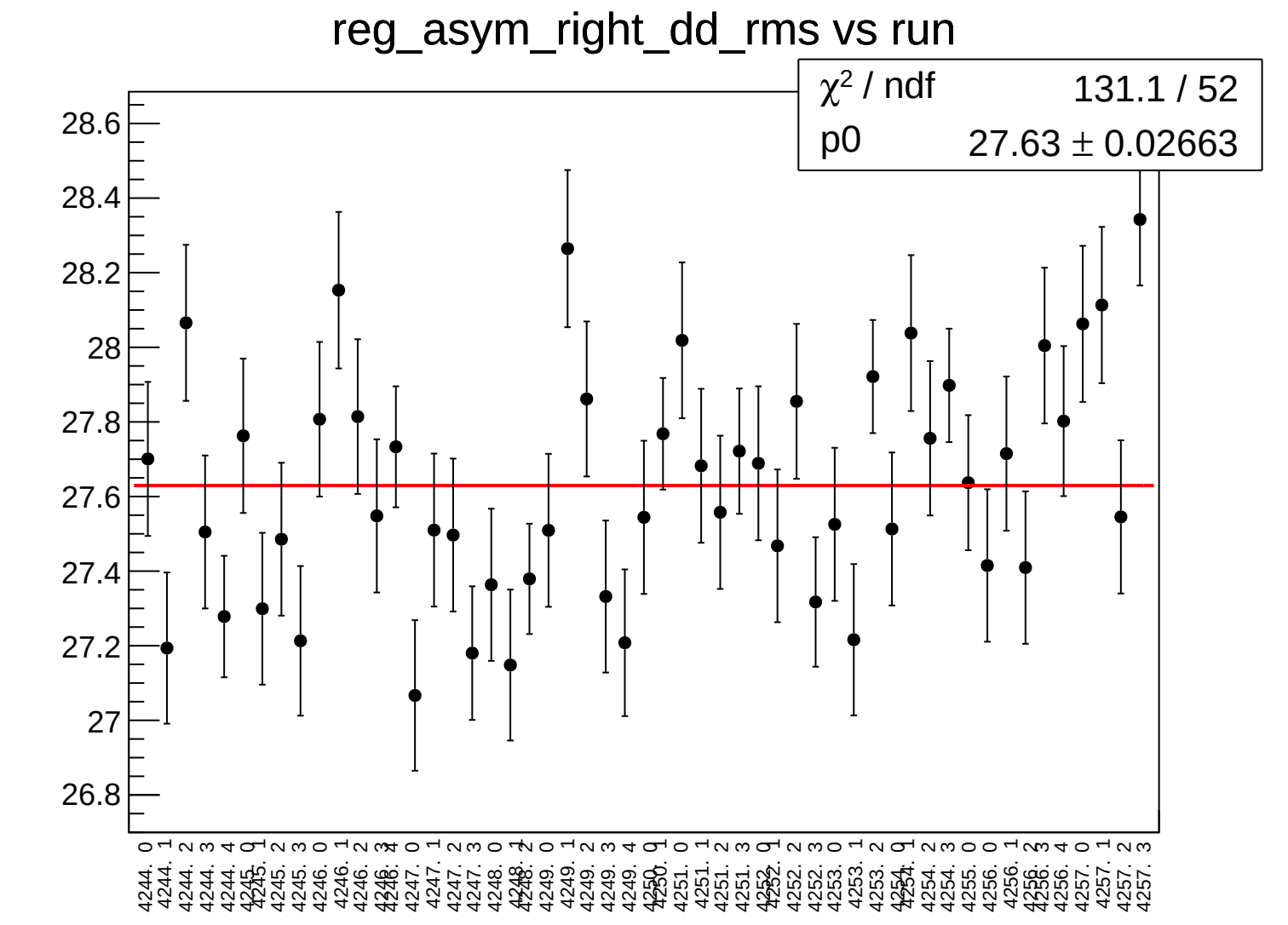

asym_right_avg_mean vs run
χ² / ndf 64.06 / 52
p0 −691 ± 707.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean −59.16
Std Dev 67.15
3
2
1
0
−1
−2

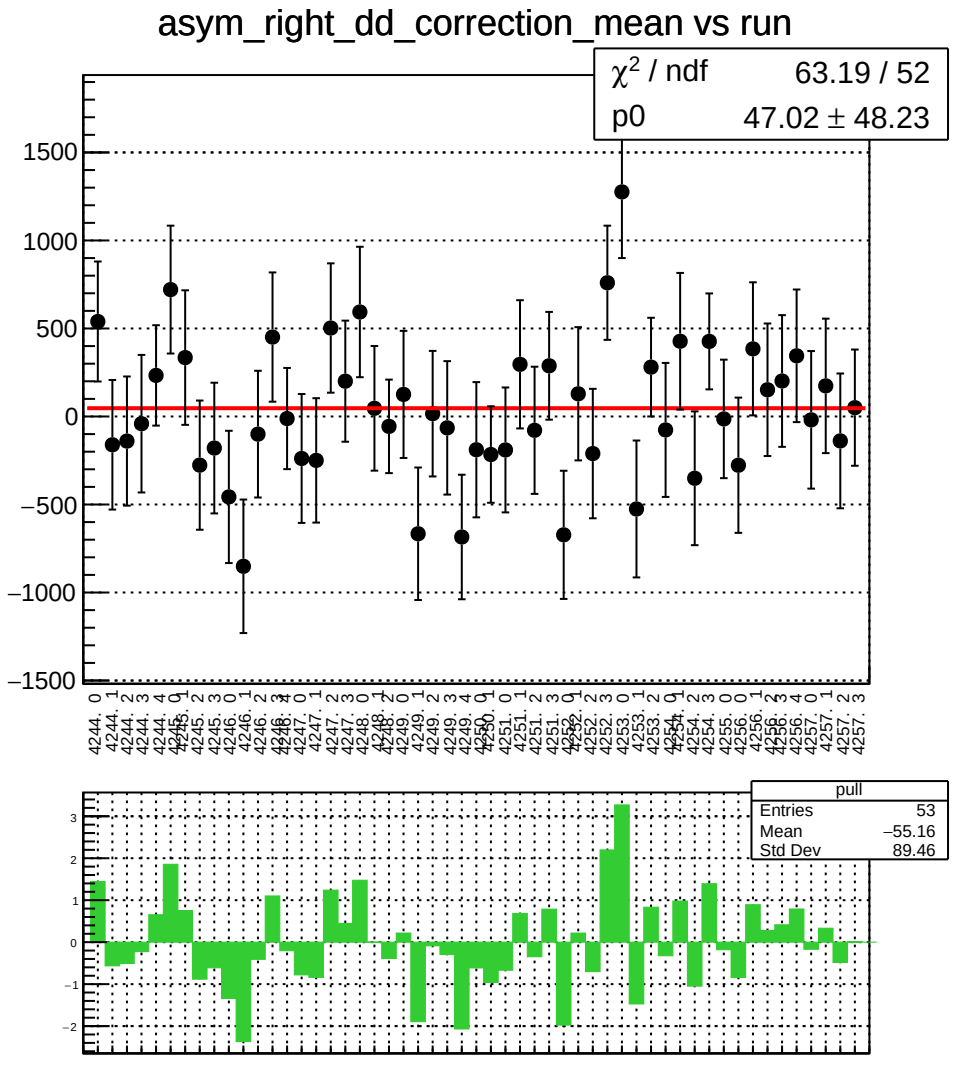

pull1D
Entries 53
Mean −0.01059
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

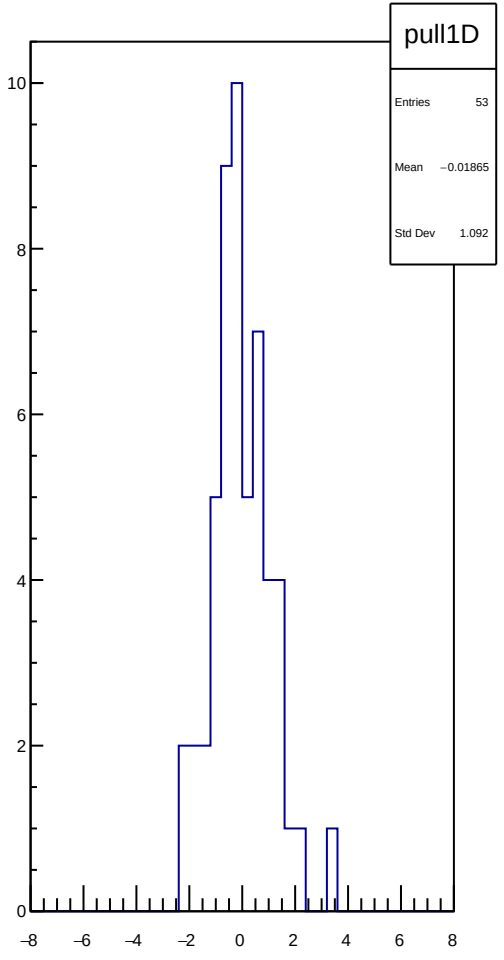

asym_right_avg_rms vs run
χ² / ndf 882.8 / 52
p0 518.7 ± 0.5002
570
560
550
540
530
520
510
500
490
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

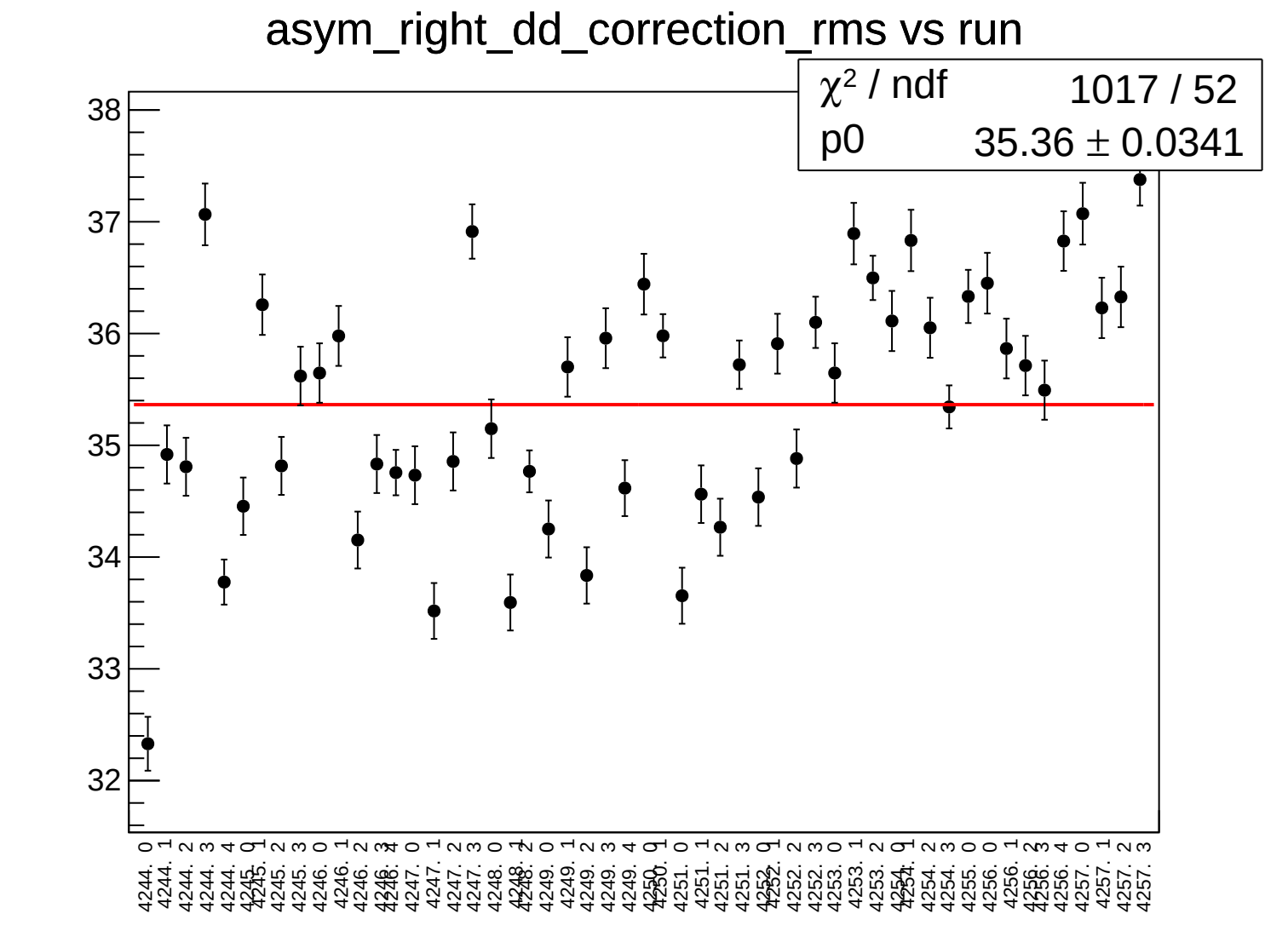

reg_asym_right_dd_mean vs run
χ^2 / ndf 44.86 / 52
p0 21.03 ± 37.67
1000
500
0
−500
−1000
pull
Entries 53
Mean 4004
Std Dev 4002
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

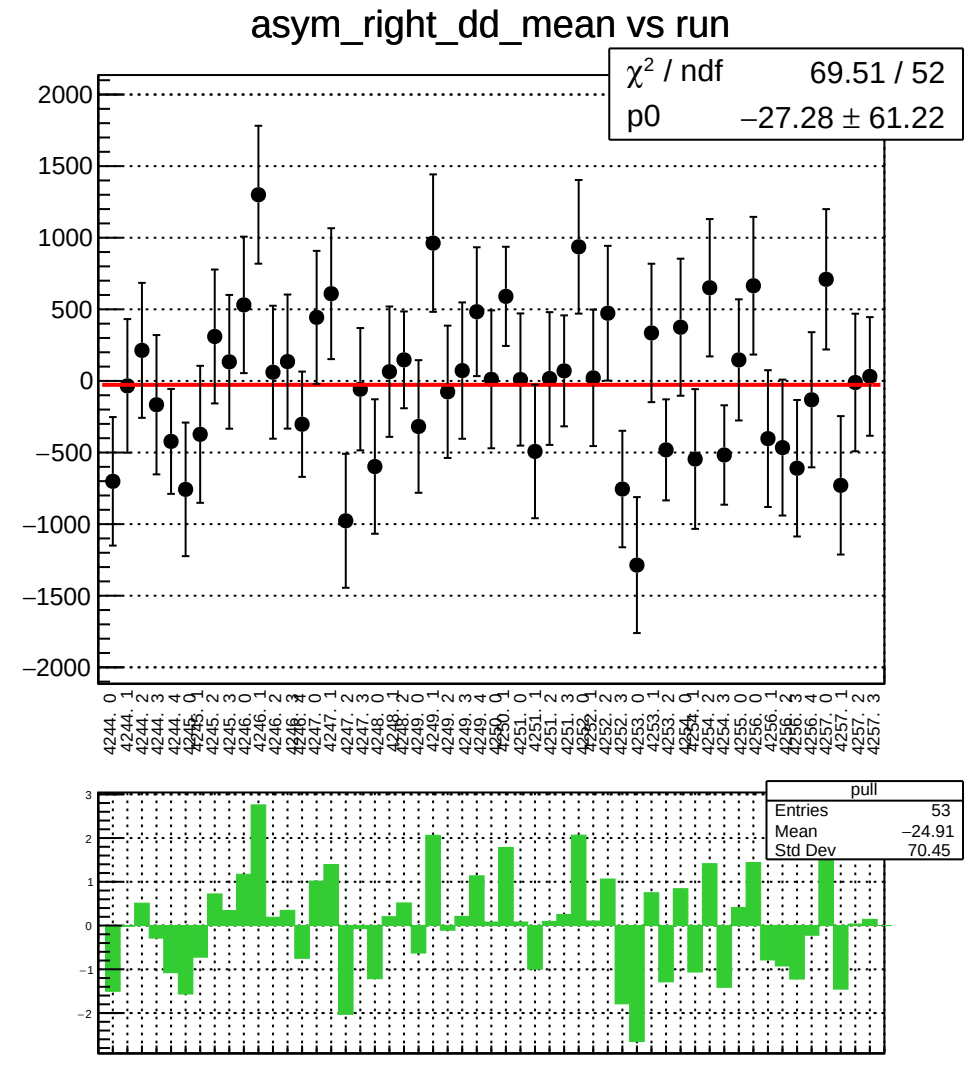

pull1D
Entries 53
Mean 0.0001607
Std Dev 0.92
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

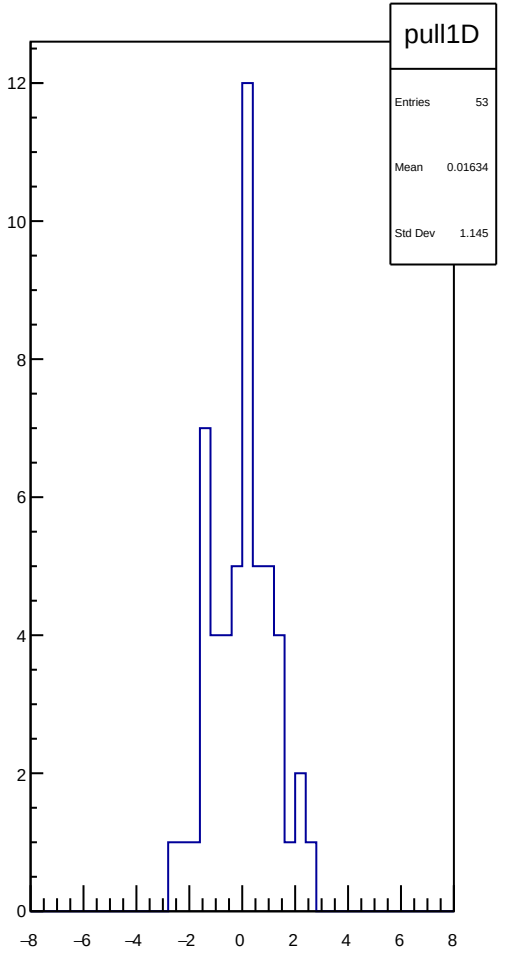

reg_asym_right_dd_rms vs run
χ² / ndf 131.1 / 52
p0 27.63 ± 0.02663
28.6
28.4
28.2
28
27.8
27.6
27.4
27.2
27
26.8
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

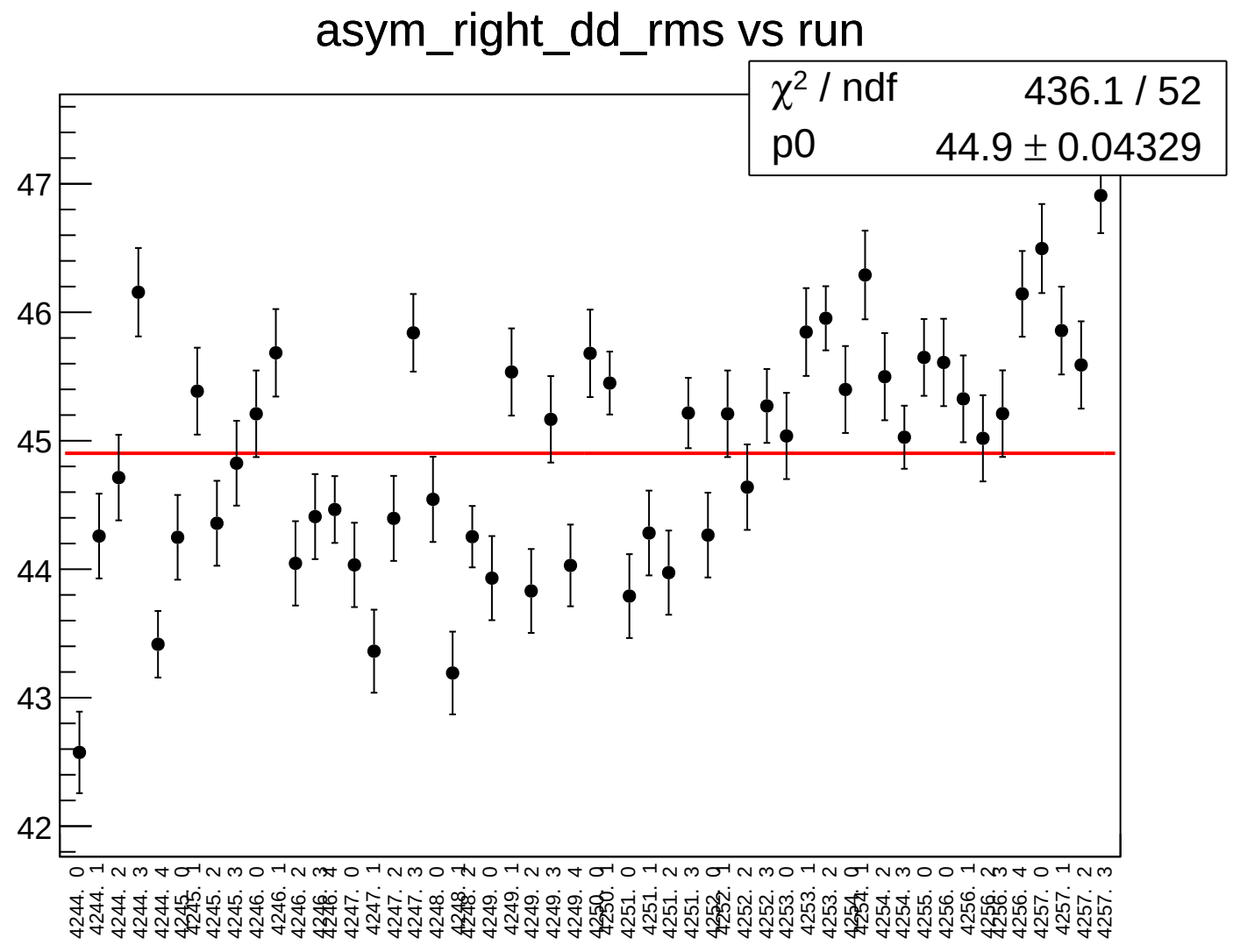

asym_right_dd_correction_mean vs run
χ² / ndf 63.19 / 52
p0 47.02 ± 48.23
pull
Entries 53
Mean −55.16
Std Dev 89.46

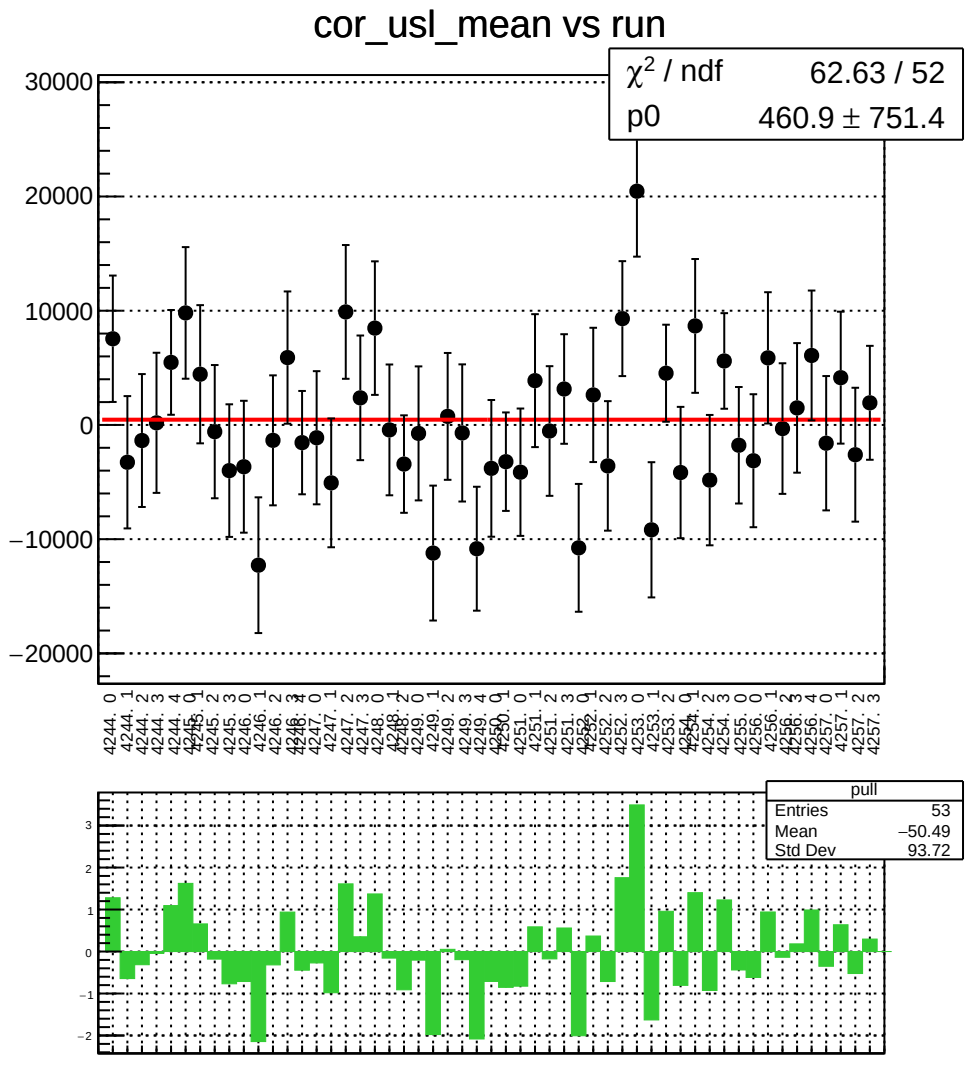

pull1D
Entries 53
Mean −0.01865
Std Dev 1.092

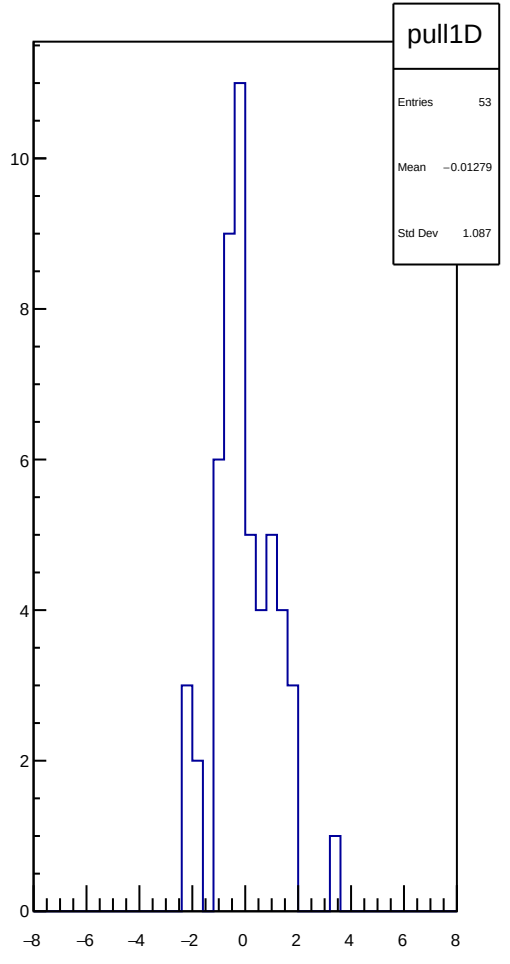

asym_right_dd_correction_rms vs run
χ² / ndf 1017 / 52
p0 35.36 ± 0.0341
38
37
36
35
34
33
32
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

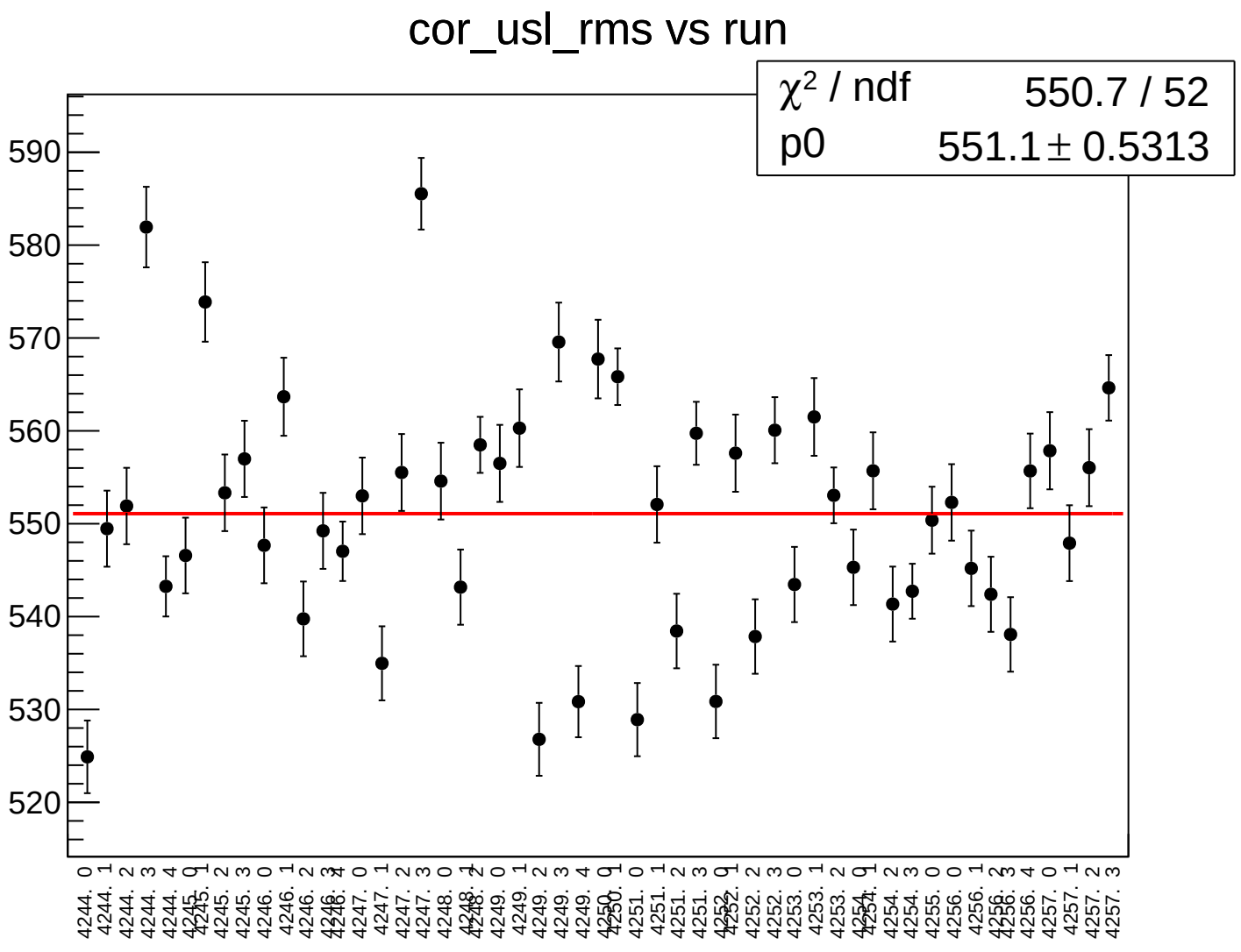

asym_right_dd_mean vs run
χ² / ndf 69.51 / 52
p0 −27.28 ± 61.22
pull
Entries 53
Mean −24.91
Std Dev 70.45

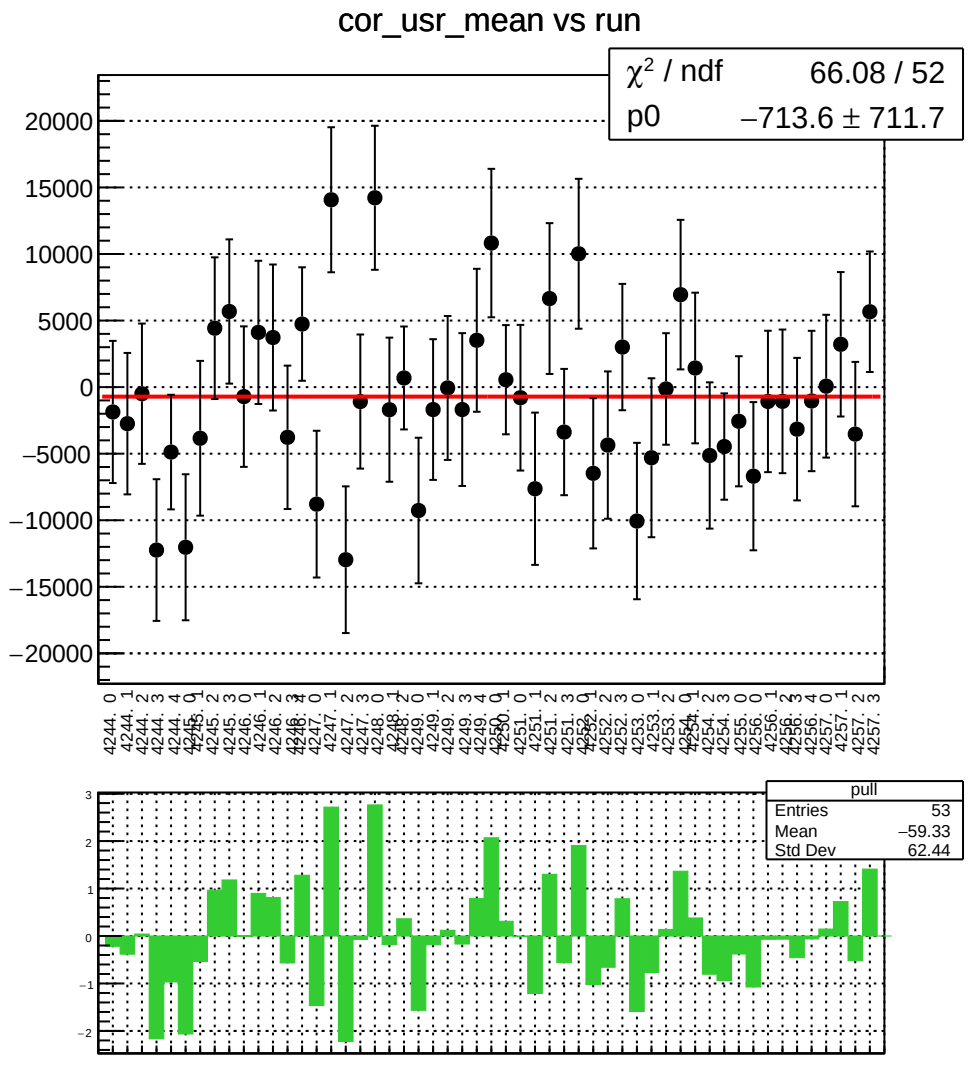

pull1D
Entries 53
Mean 0.01634
Std Dev 1.145

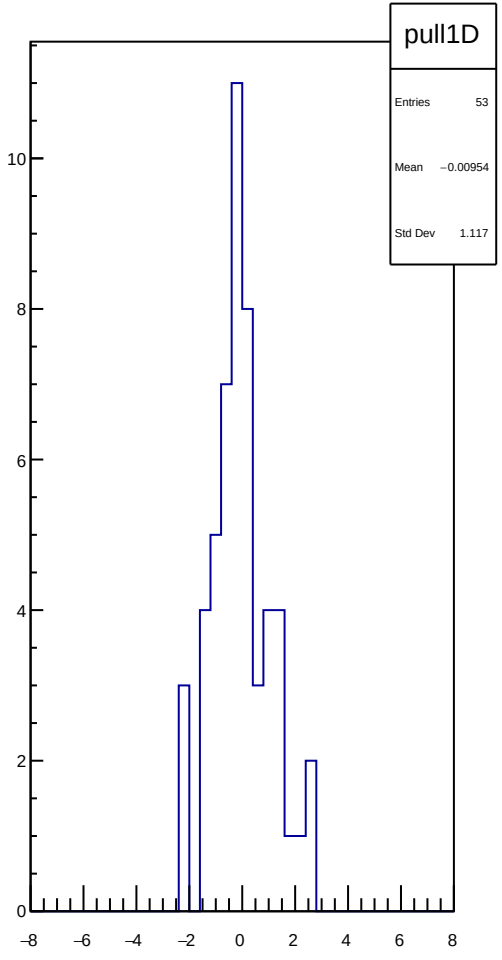

asym_right_dd_rms vs run
χ² / ndf 436.1 / 52
p0 44.9 ± 0.04329
47
46
45
44
43
42
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

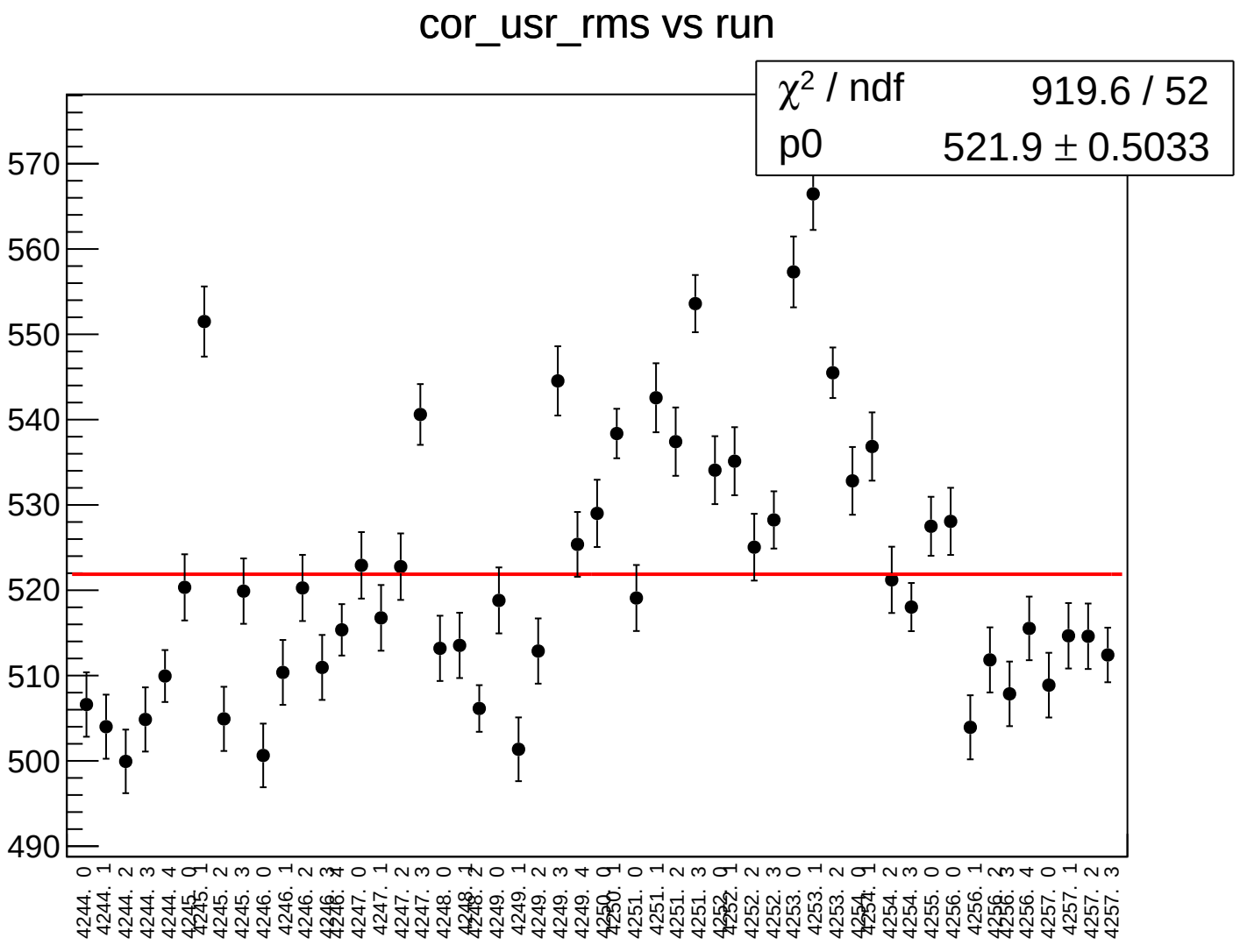

cor_usl_mean vs run
χ² / ndf 62.63 / 52
p0 460.9 ± 751.4
pull
Entries 53
Mean −50.49
Std Dev 93.72

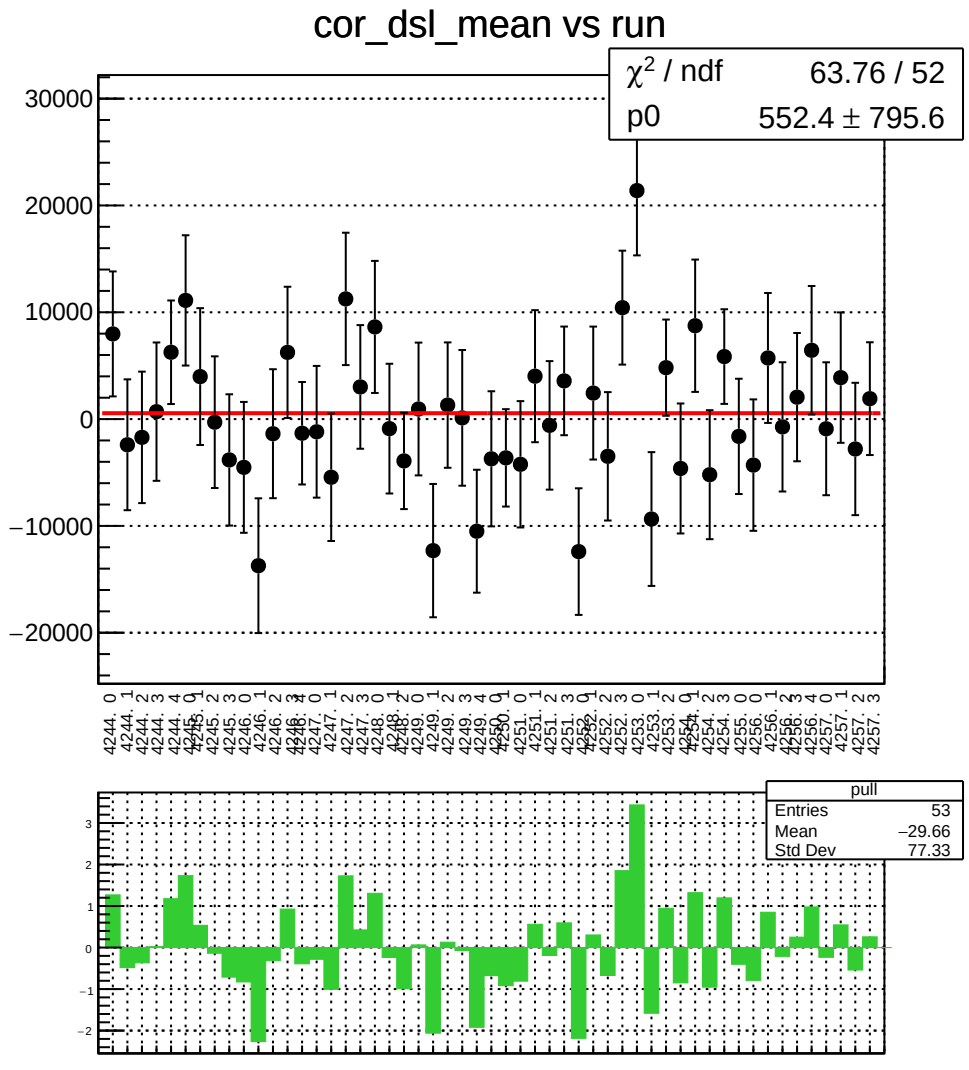

pull1D
Entries 53
Mean −0.01279
Std Dev 1.087

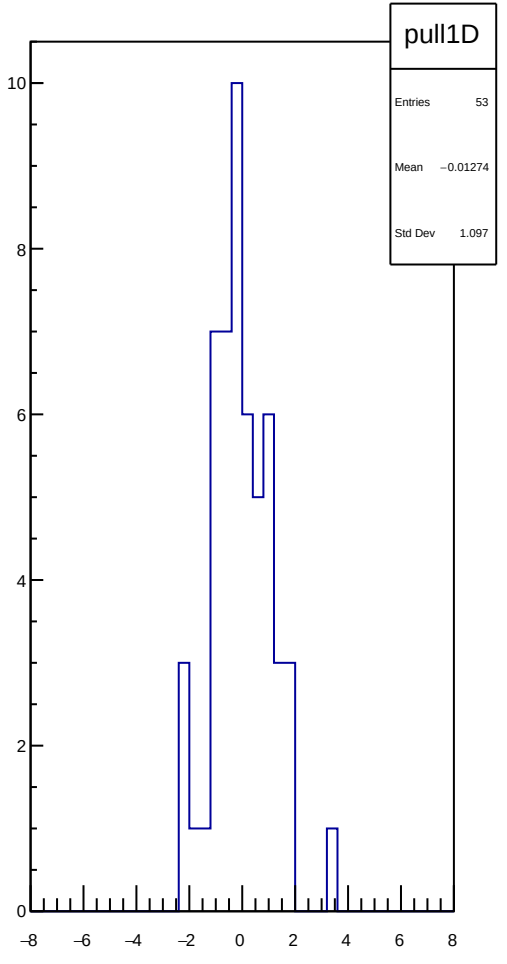

cor_usl_rms vs run
χ² / ndf 550.7 / 52
p0 551.1 ± 0.5313
590
580
570
560
550
540
530
520
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

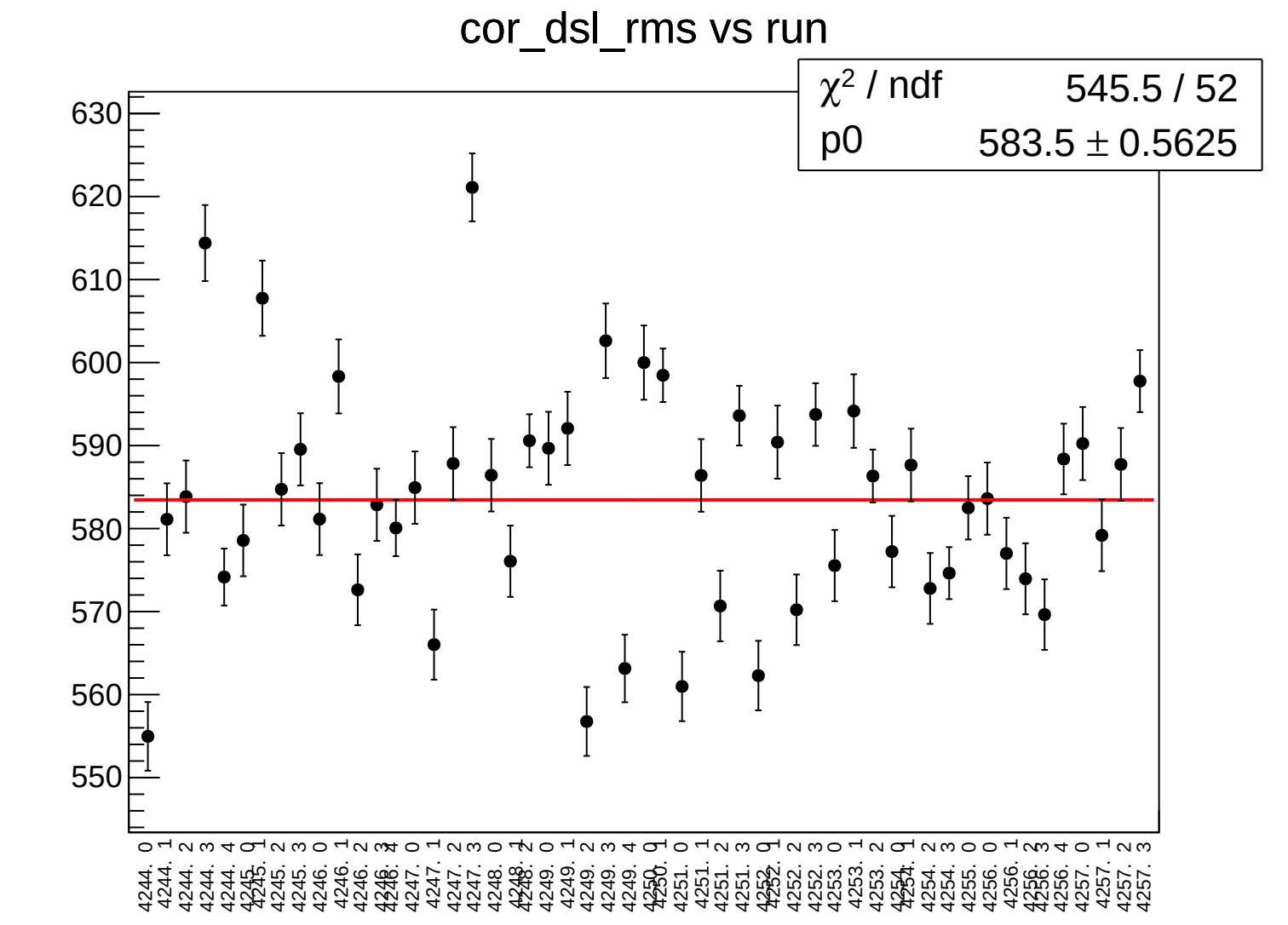

cor_usr_mean vs run
χ² / ndf 66.08 / 52
p0 −713.6 ± 711.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean −59.33
Std Dev 62.44
3
2
1
0
−1
−2

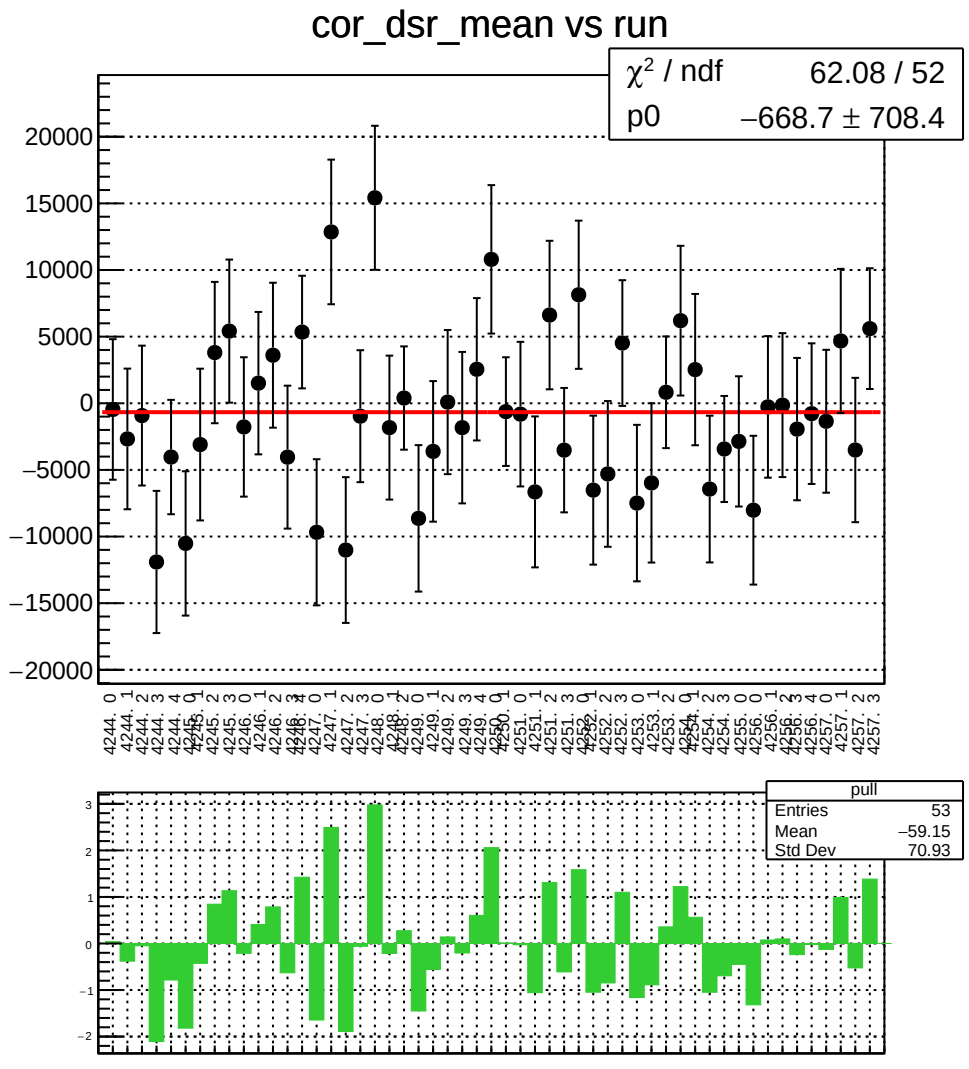

pull1D
Entries 53
Mean −0.00954
Std Dev 1.117
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

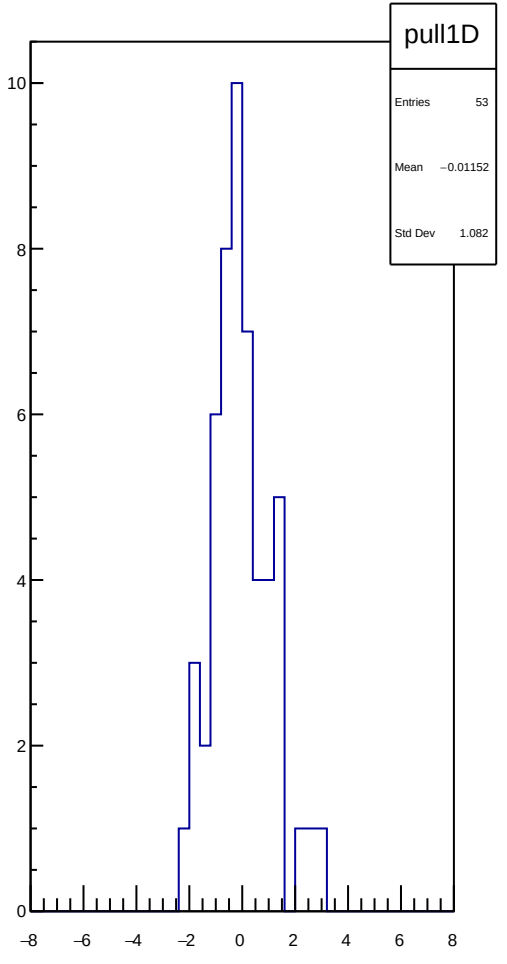

cor_usr_rms vs run
χ² / ndf 919.6 / 52
p0 521.9 ± 0.5033
570
560
550
540
530
520
510
500
490
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

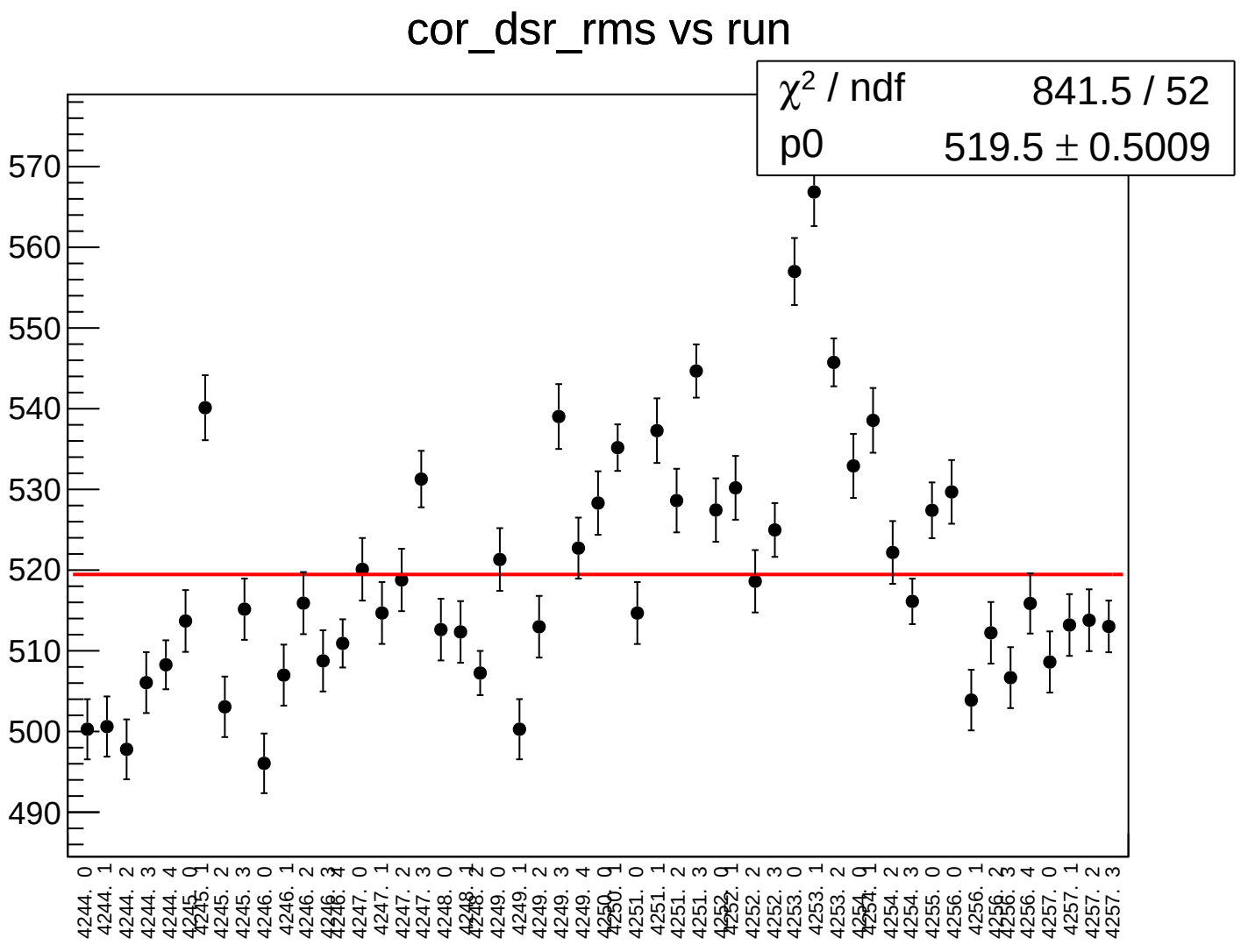

cor_dsl_mean vs run
χ^2 / ndf 63.76 / 52
p0 552.4 ± 795.6
pull
Entries 53
Mean −29.66
Std Dev 77.33

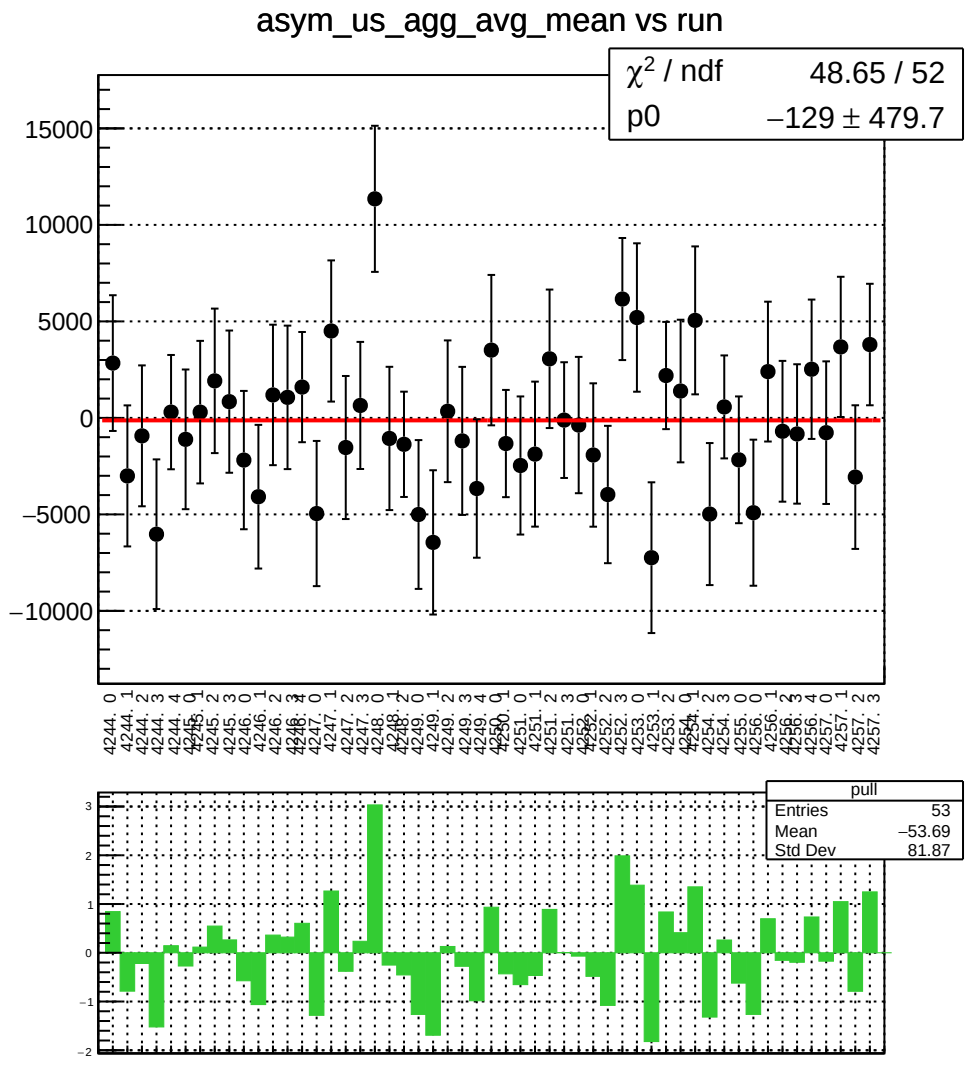

pull1D
Entries 53
Mean −0.01274
Std Dev 1.097

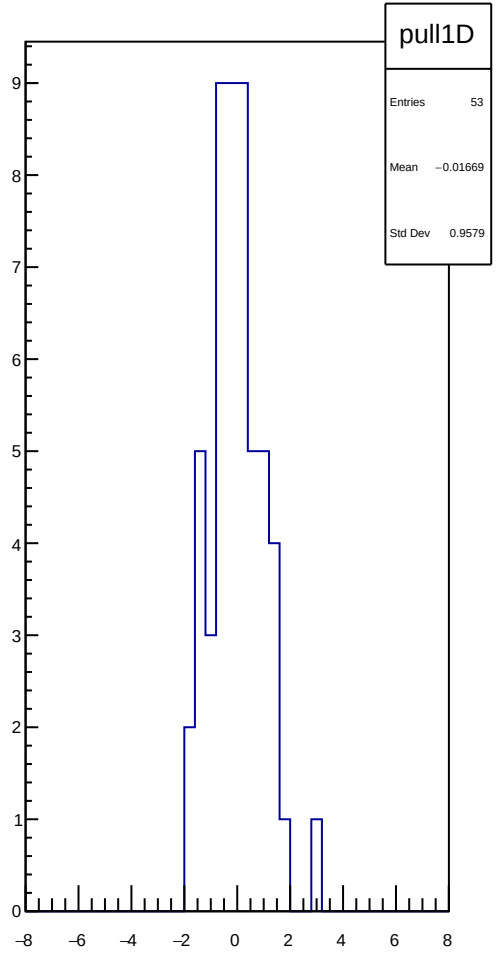

cor_dsl_rms vs run
χ² / ndf 545.5 / 52
p0 583.5 ± 0.5625
630
620
610
600
590
580
570
560
550
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

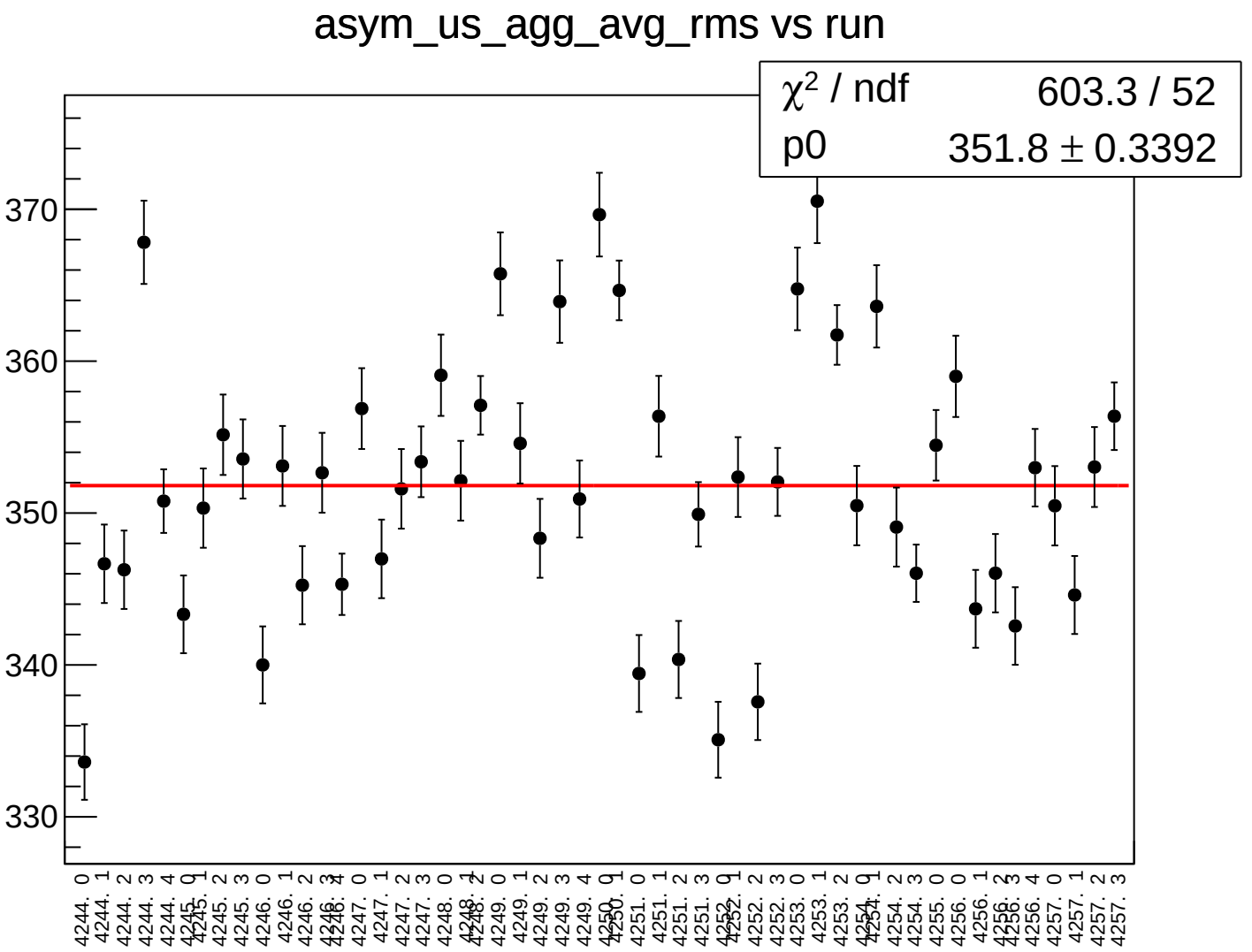

cor_dsr_mean vs run
χ² / ndf 62.08 / 52
p0 −668.7 ± 708.4
pull
Entries 53
Mean −59.15
Std Dev 70.93

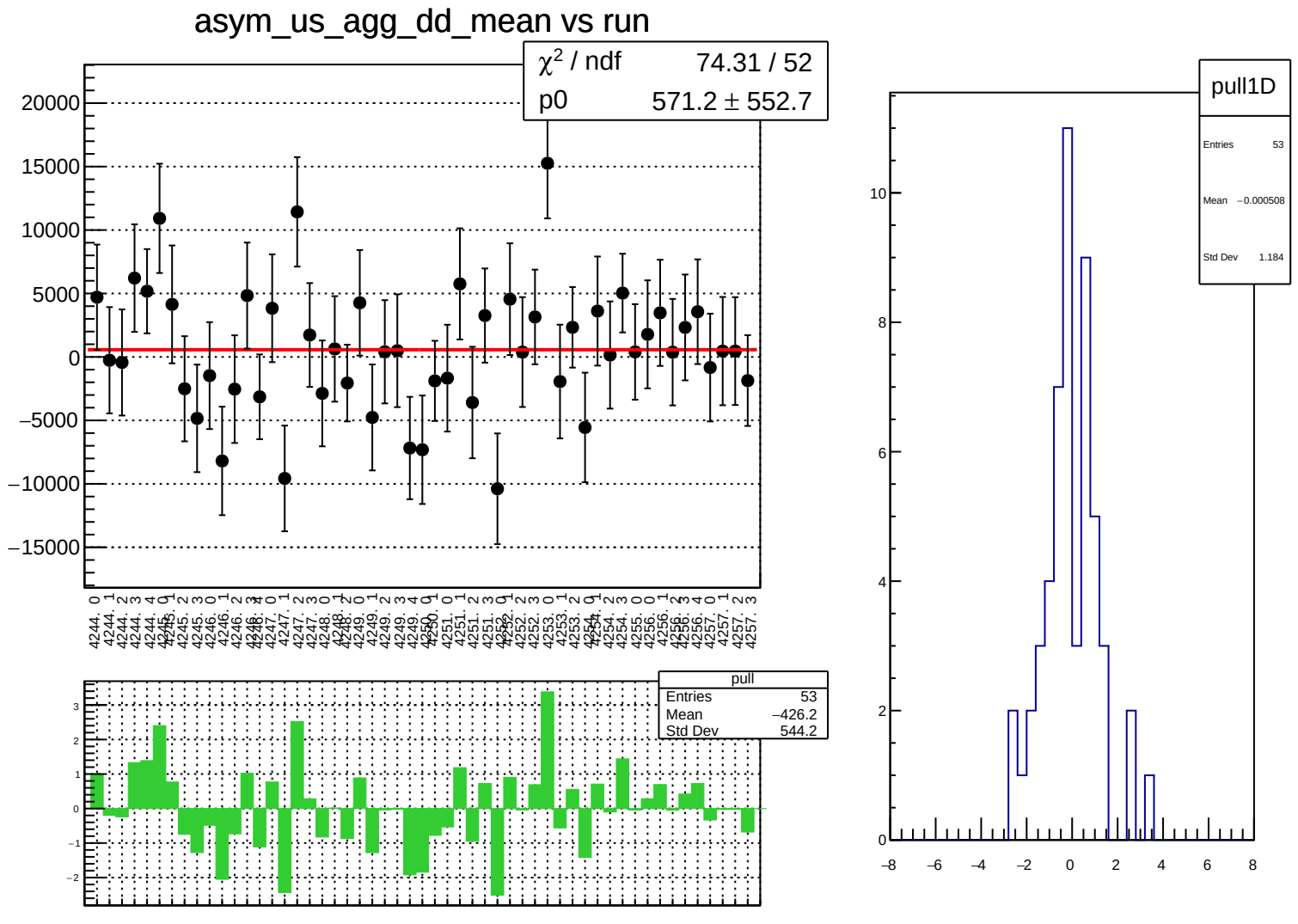

pull1D
Entries 53
Mean −0.01152
Std Dev 1.082

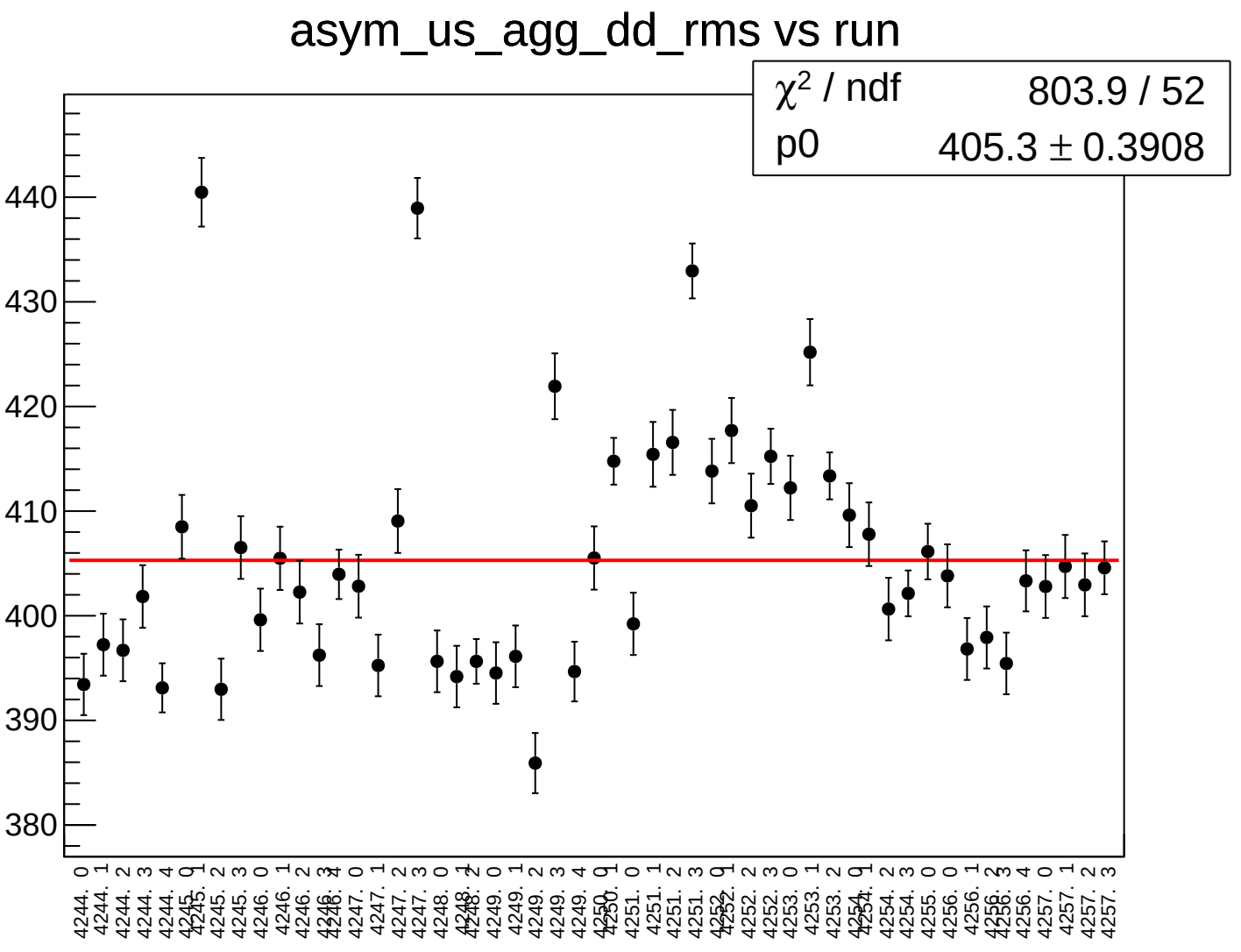

cor_dsr_rms vs run
χ² / ndf 841.5 / 52
p0 519.5 ± 0.5009
570
560
550
540
530
520
510
500
490
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

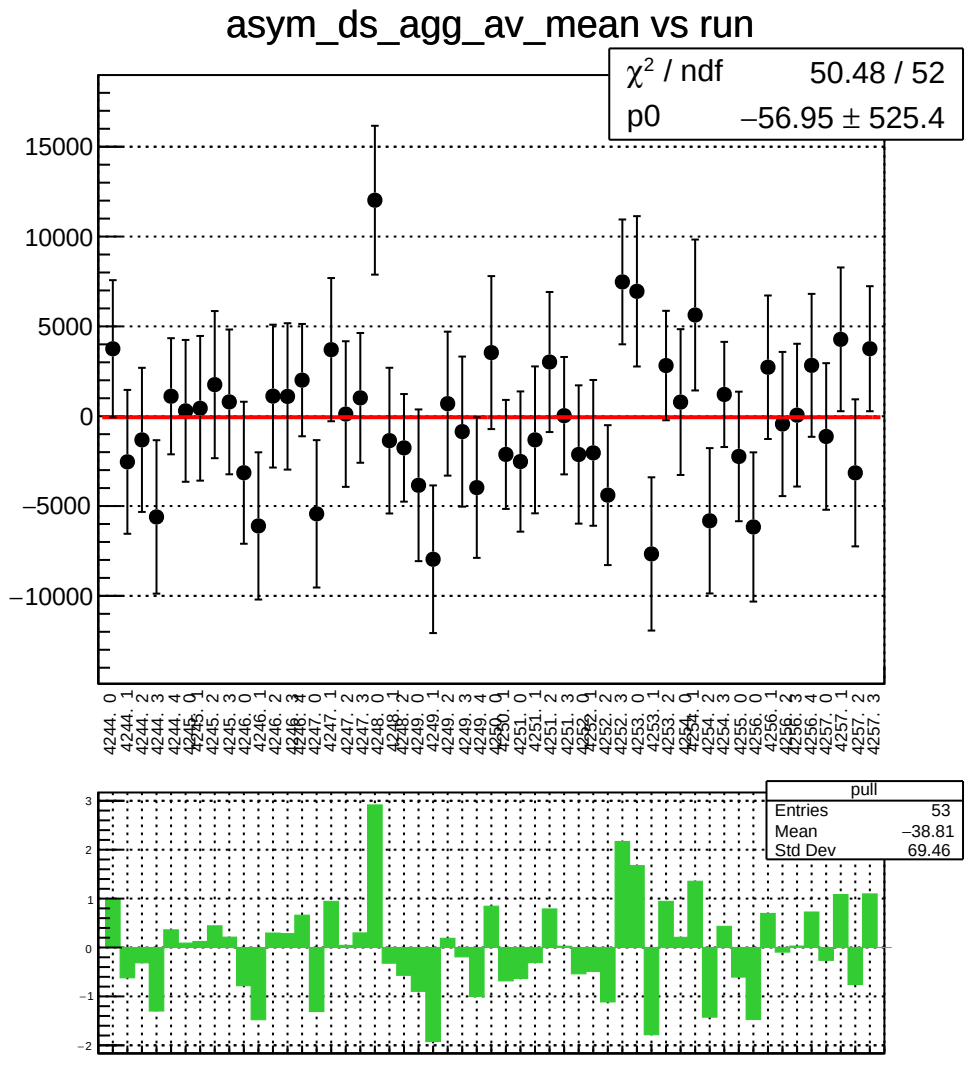

asym_us_agg_avg_mean vs run
χ² / ndf 48.65 / 52
p0 −129 ± 479.7
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −53.69
Std Dev 81.87
3
2
1
0
−1
−2

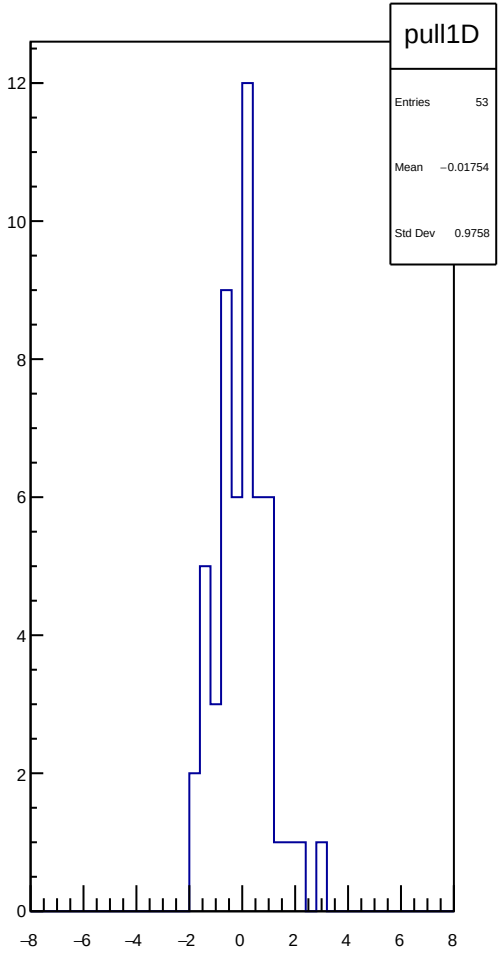

pull1D
Entries 53
Mean −0.01669
Std Dev 0.9579
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

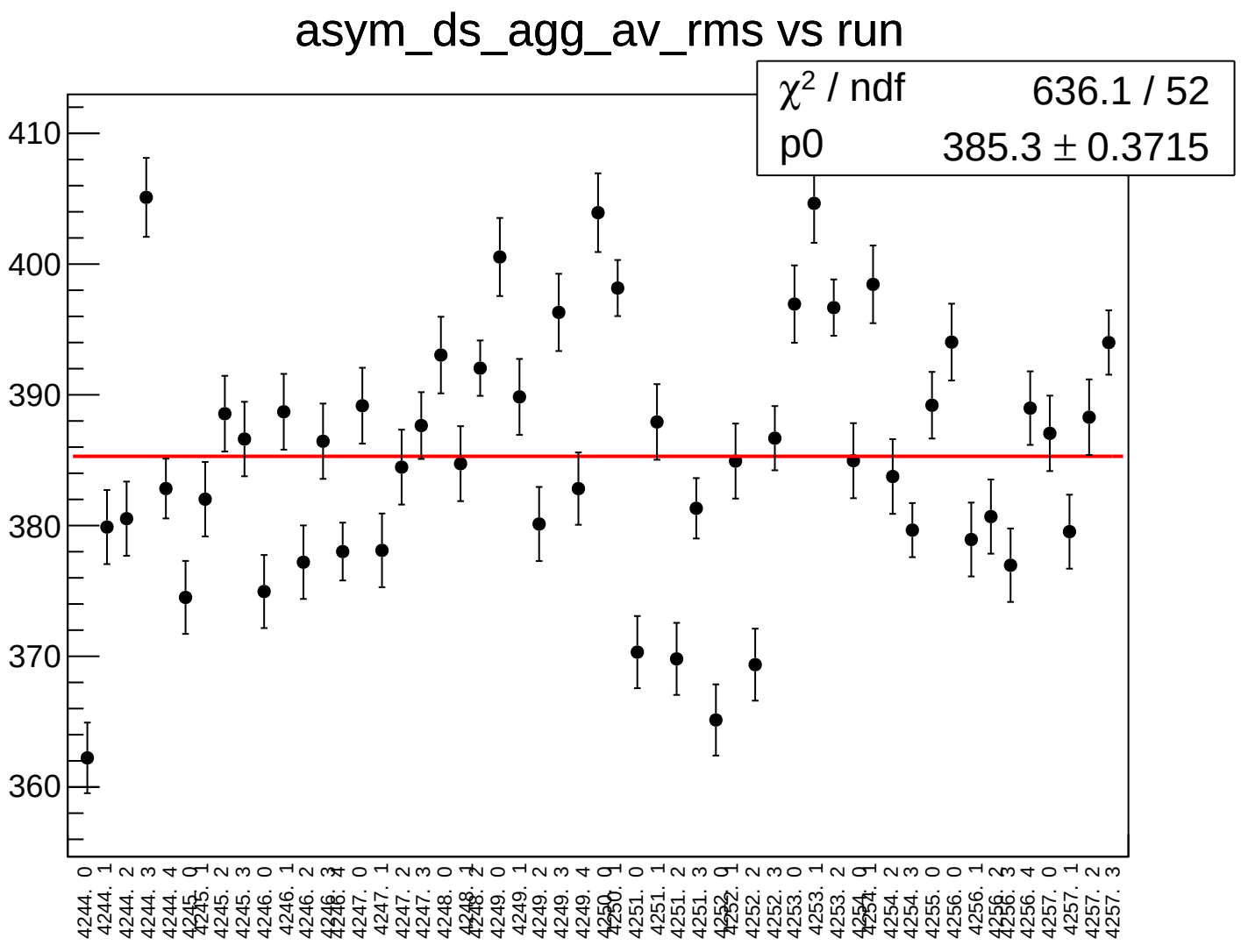

asym_us_agg_avg_rms vs run
χ² / ndf 603.3 / 52
p0 351.8 ± 0.3392
370
360
350
340
330
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

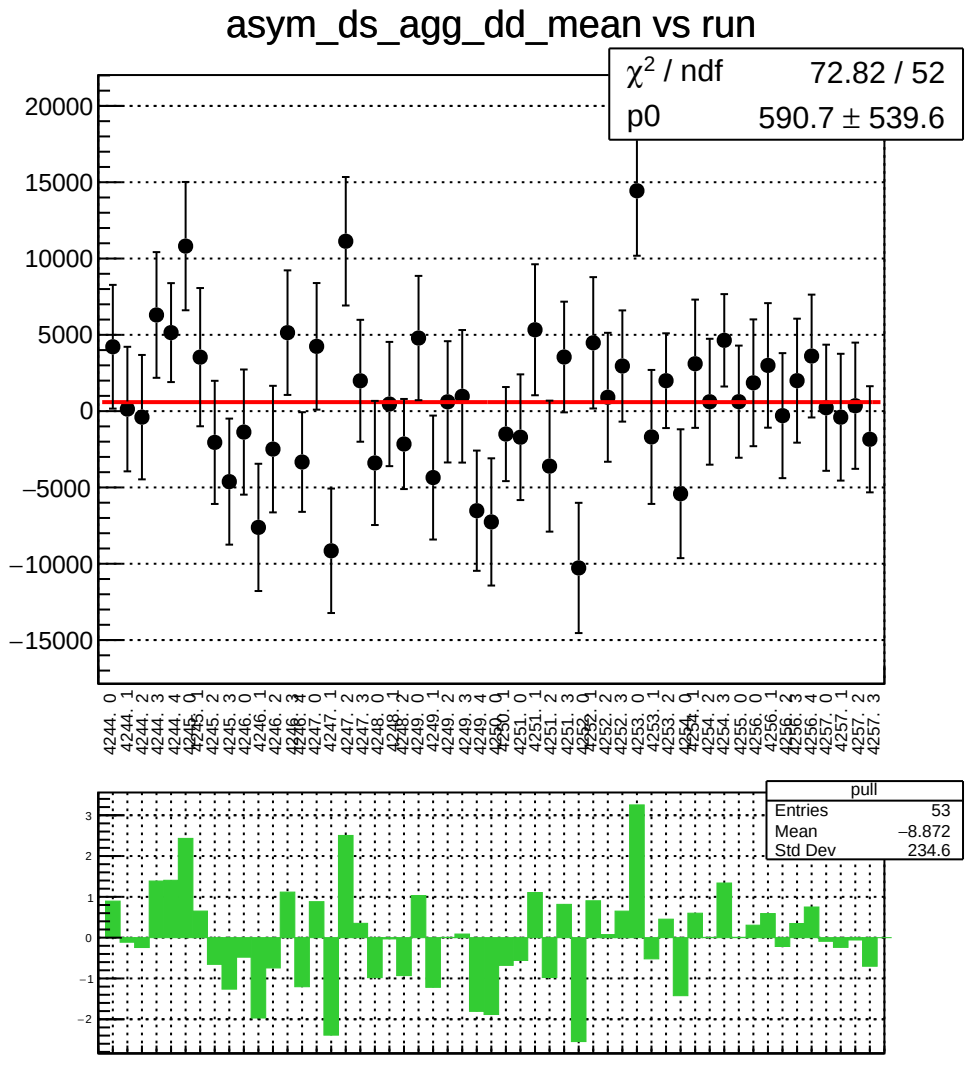

asym_us_agg_dd_mean vs run
χ² / ndf 74.31 / 52
p0 571.2 ± 552.7
pull
Entries 53
Mean −426.2
Std Dev 544.2
pull1D
Entries 53
Mean −0.000508
Std Dev 1.184

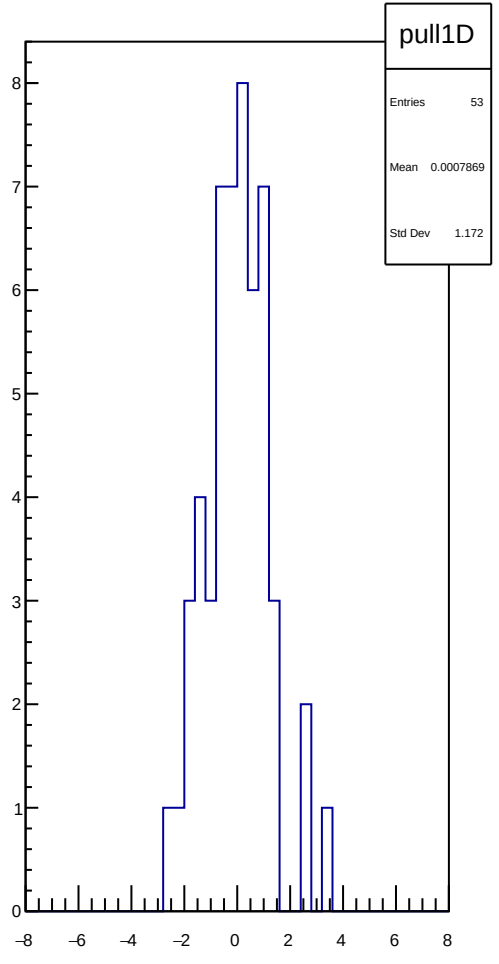

asym_us_agg_dd_rms vs run
χ² / ndf 803.9 / 52
p0 405.3 ± 0.3908
440
430
420
410
400
390
380
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

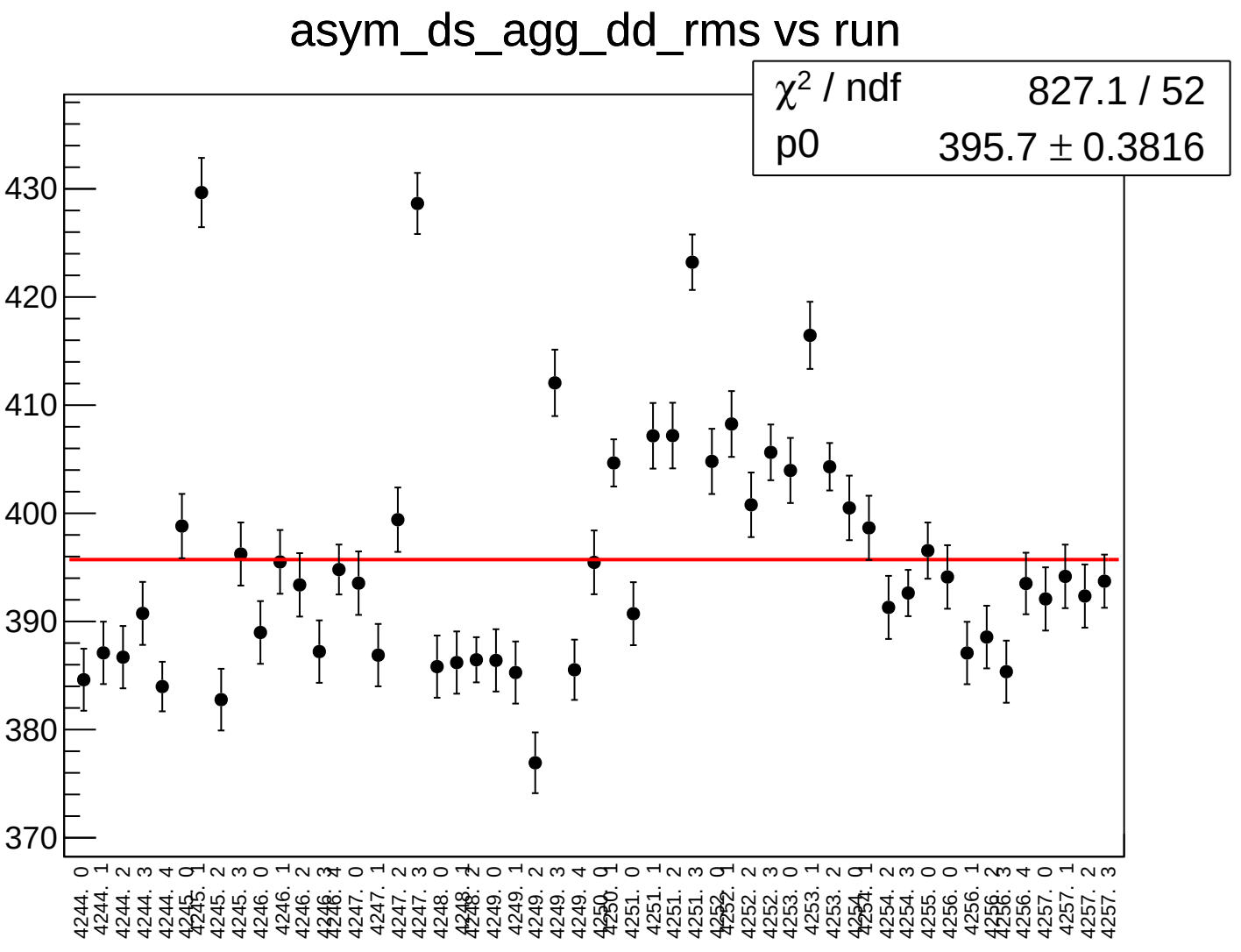

asym_ds_agg_av_mean vs run
χ² / ndf 50.48 / 52
p0 −56.95 ± 525.4
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −38.81
Std Dev 69.46
3
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01754
Std Dev 0.9758
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_agg_av_rms vs run
χ² / ndf 636.1 / 52
p0 385.3 ± 0.3715
410
400
390
380
370
360
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_ds_agg_dd_mean vs run
χ² / ndf 72.82 / 52
p0 590.7 ± 539.6
pull
Entries 53
Mean −8.872
Std Dev 234.6


pull1D
Entries 53
Mean 0.0007869
Std Dev 1.172


asym_ds_agg_dd_rms vs run
χ² / ndf 827.1 / 52
p0 395.7 ± 0.3816
430
420
410
400
390
380
370
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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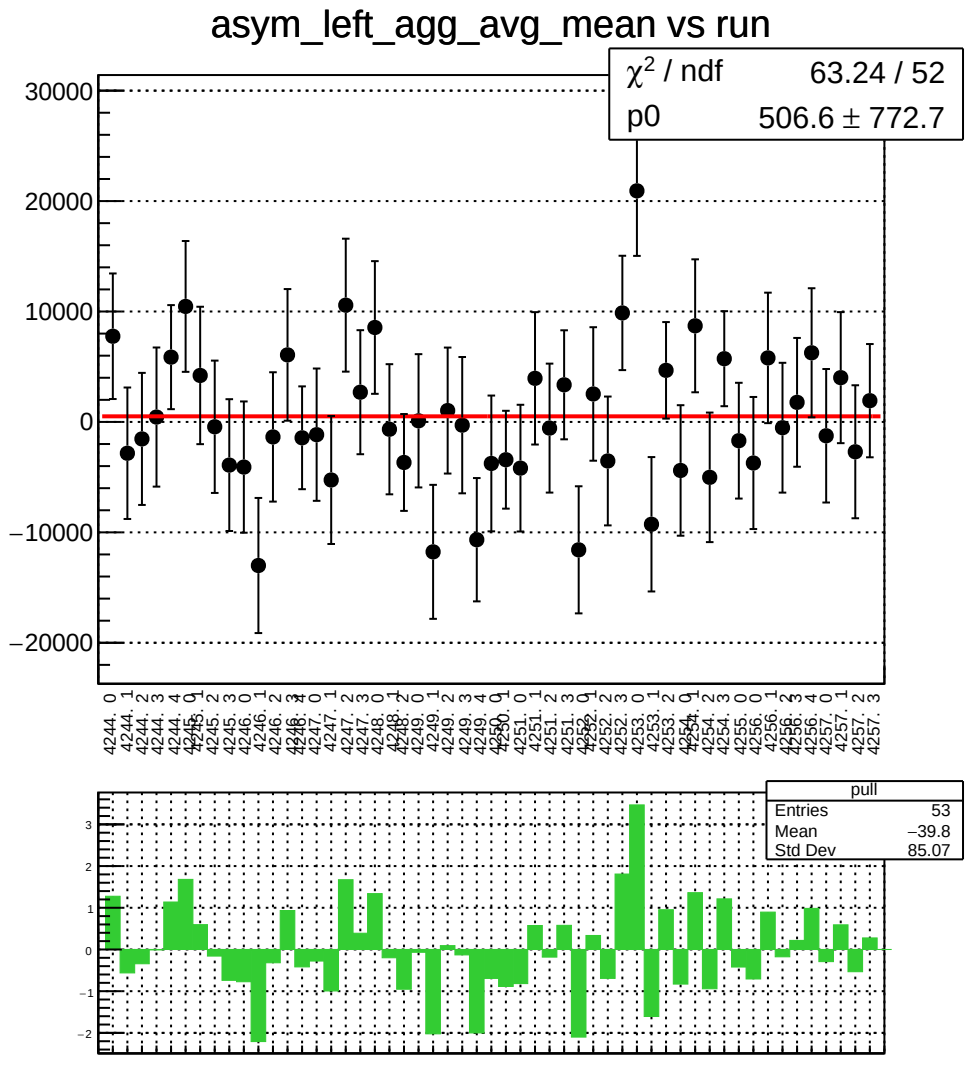
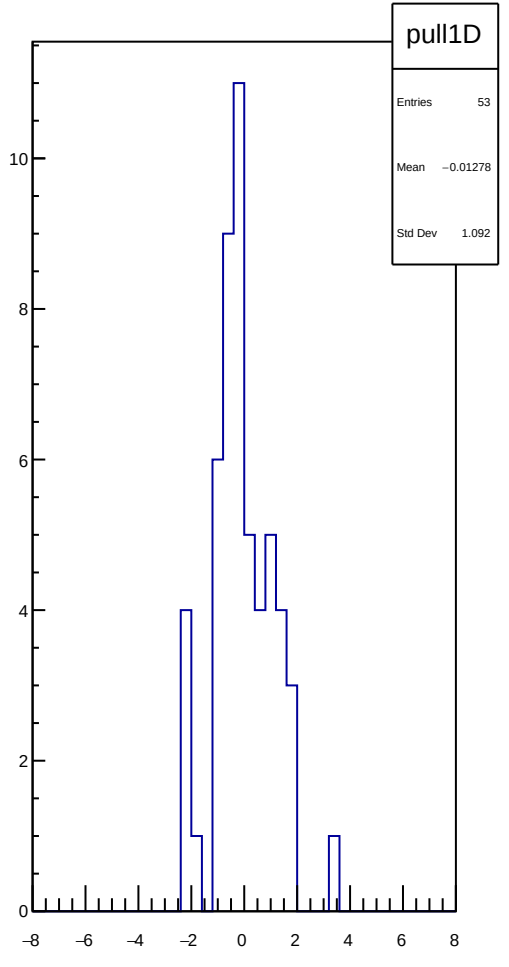
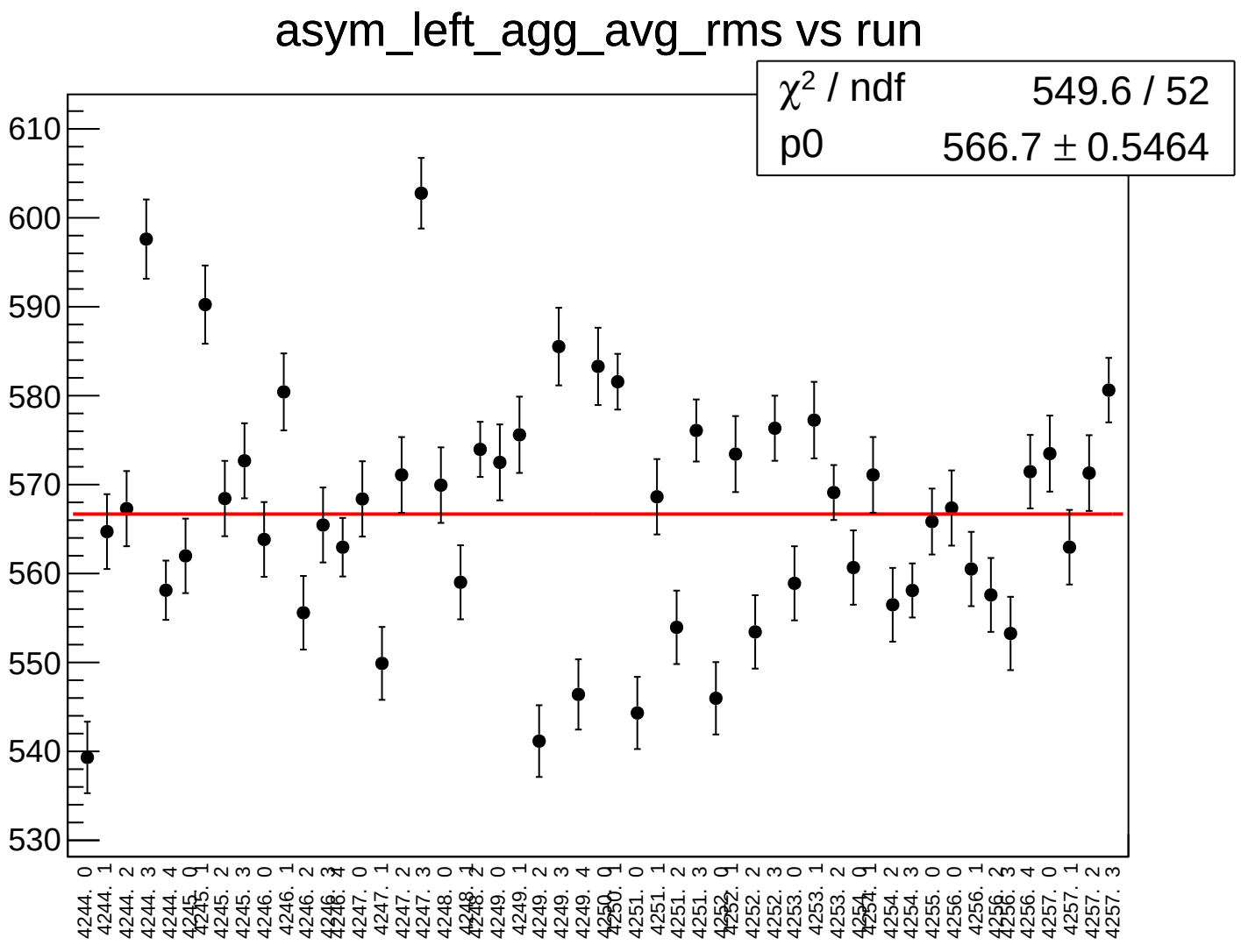
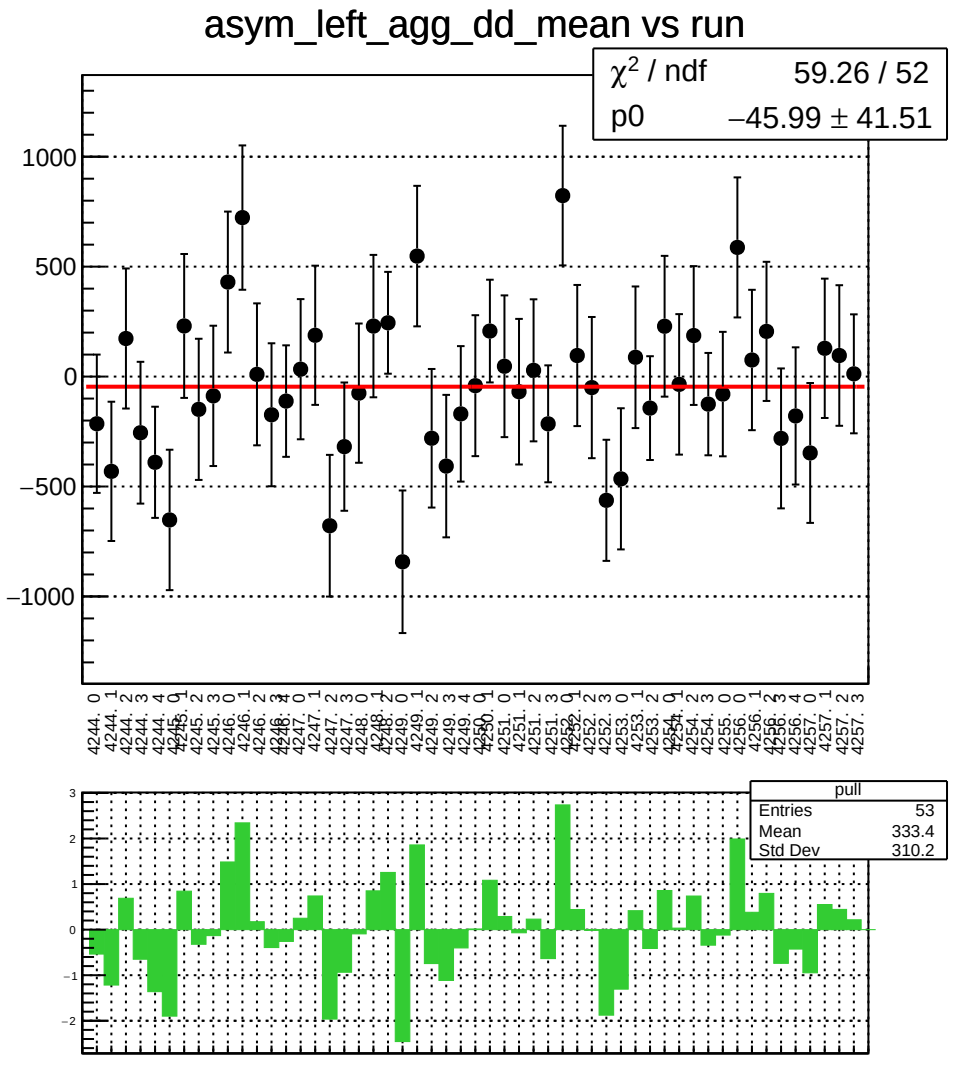
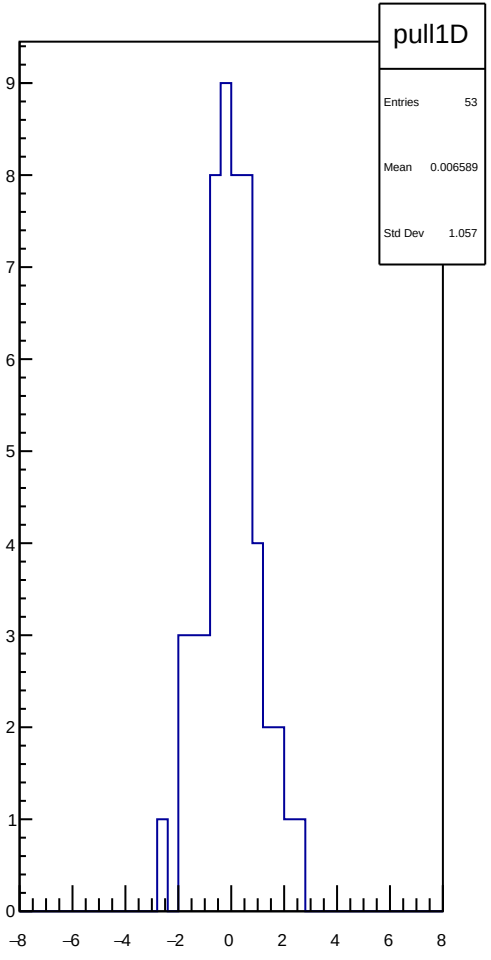
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

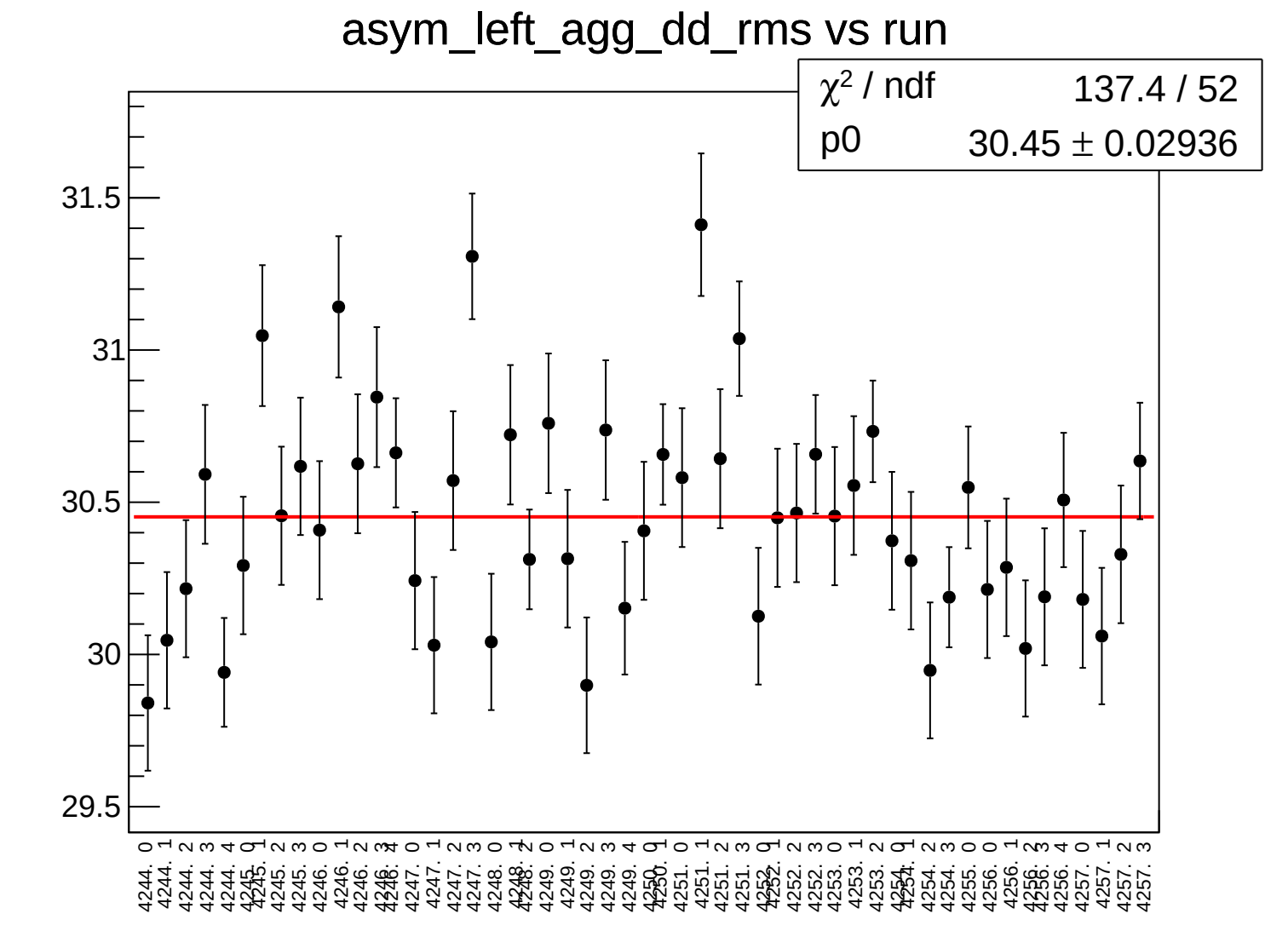

asym_left_agg_avg_mean vs run
χ² / ndf 63.24 / 52
p0 506.6 ± 772.7
30000
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −39.8
Std Dev 85.07
3
2
1
0
−1
−2

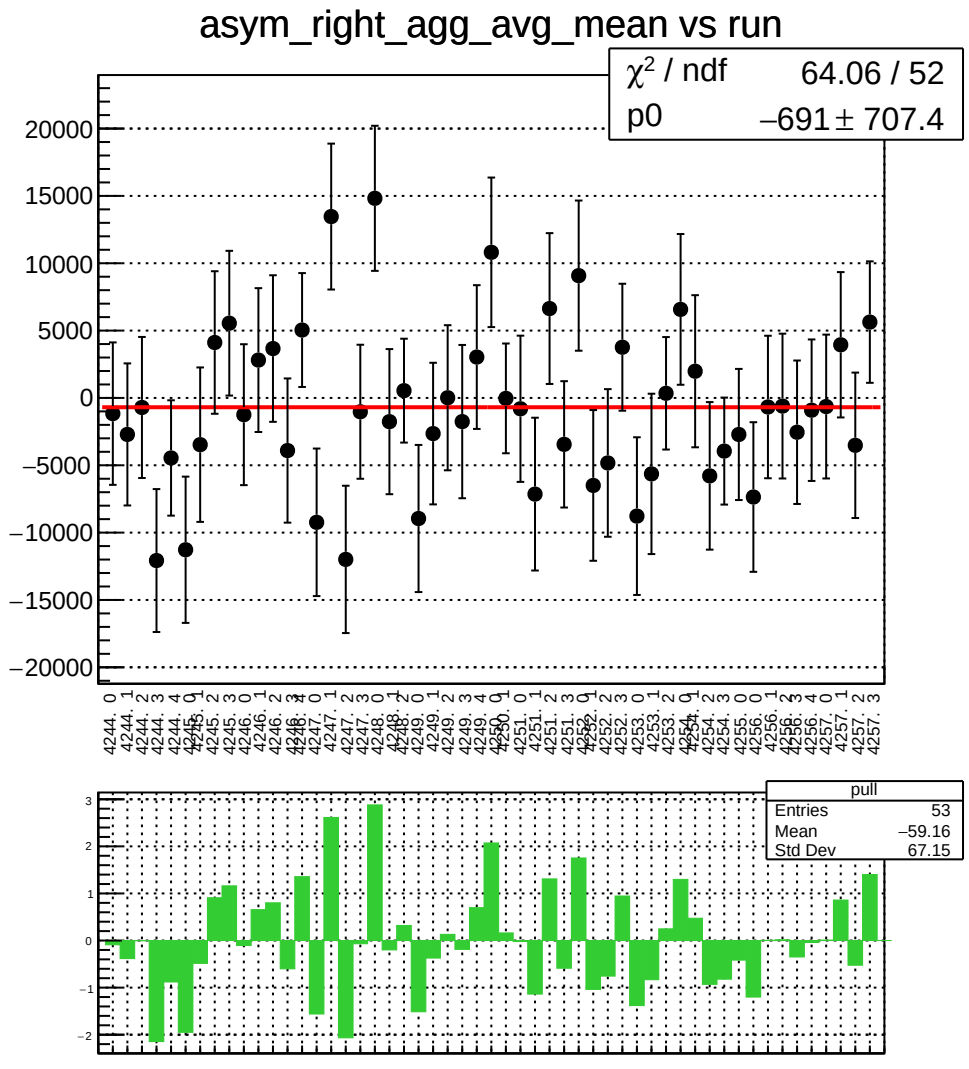

pull1D
Entries 53
Mean −0.01278
Std Dev 1.092
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

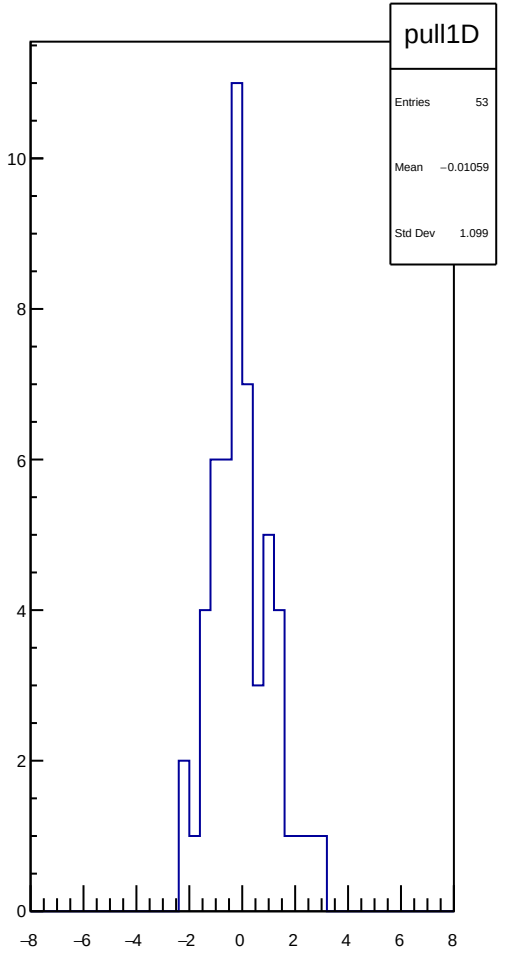

asym_left_agg_avg_rms vs run
χ² / ndf 549.6 / 52
p0 566.7 ± 0.5464
610
600
590
580
570
560
550
540
530
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

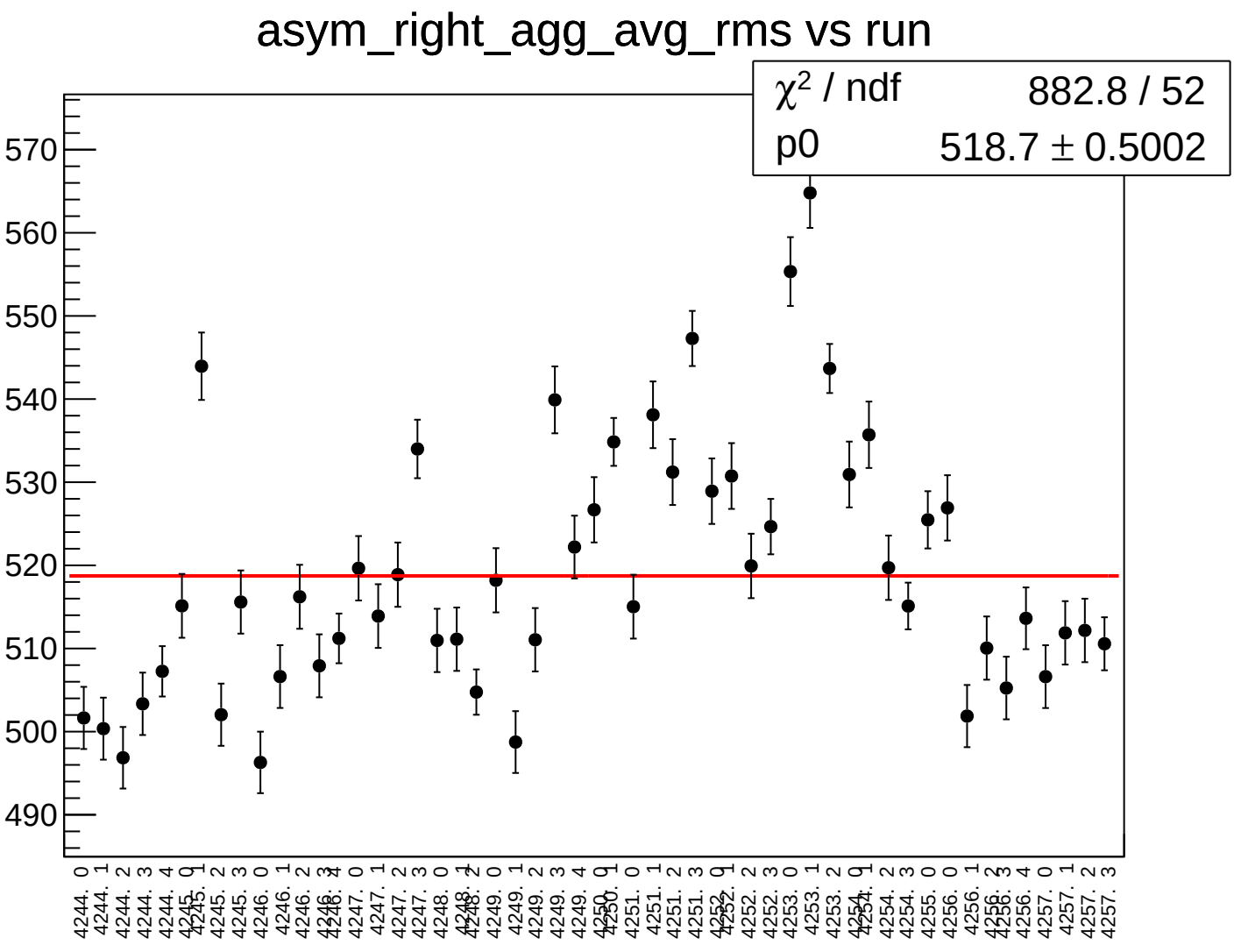

asym_left_agg_dd_mean vs run
χ^2 / ndf 59.26 / 52
p0 −45.99 ± 41.51
1000
500
0
−500
−1000
pull
Entries 53
Mean 333.4
Std Dev 310.2
3
2
1
0
−1
−2

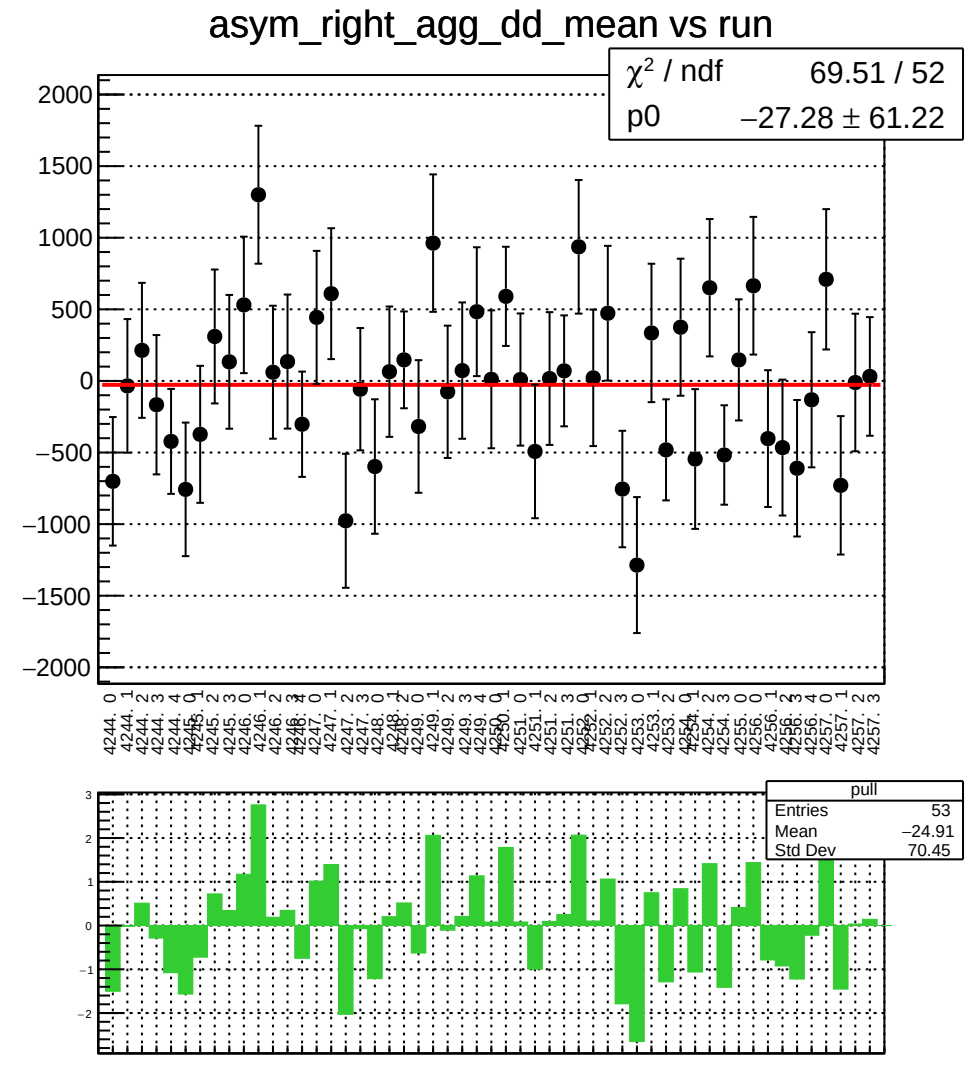

pull1D
Entries 53
Mean 0.006589
Std Dev 1.057
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

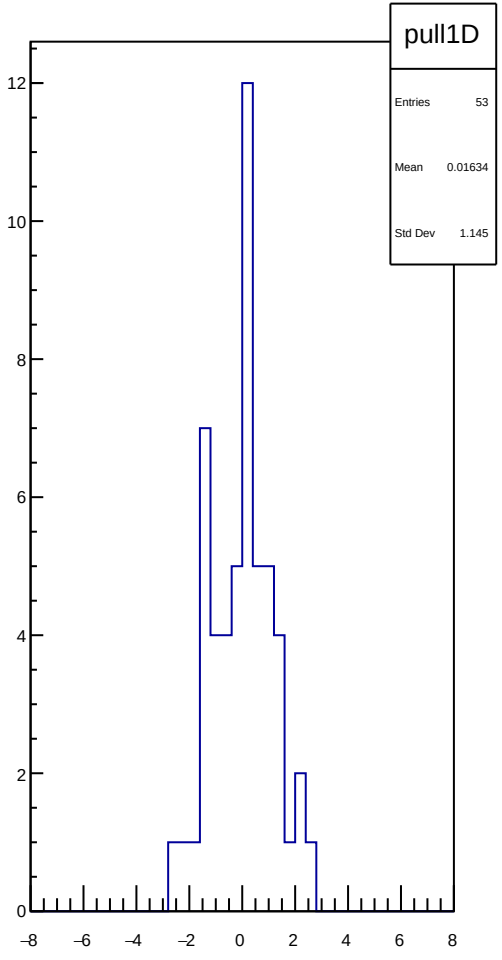

asym_left_agg_dd_rms vs run
χ² / ndf 137.4 / 52
p0 30.45 ± 0.02936
31.5
31
30.5
30
29.5
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

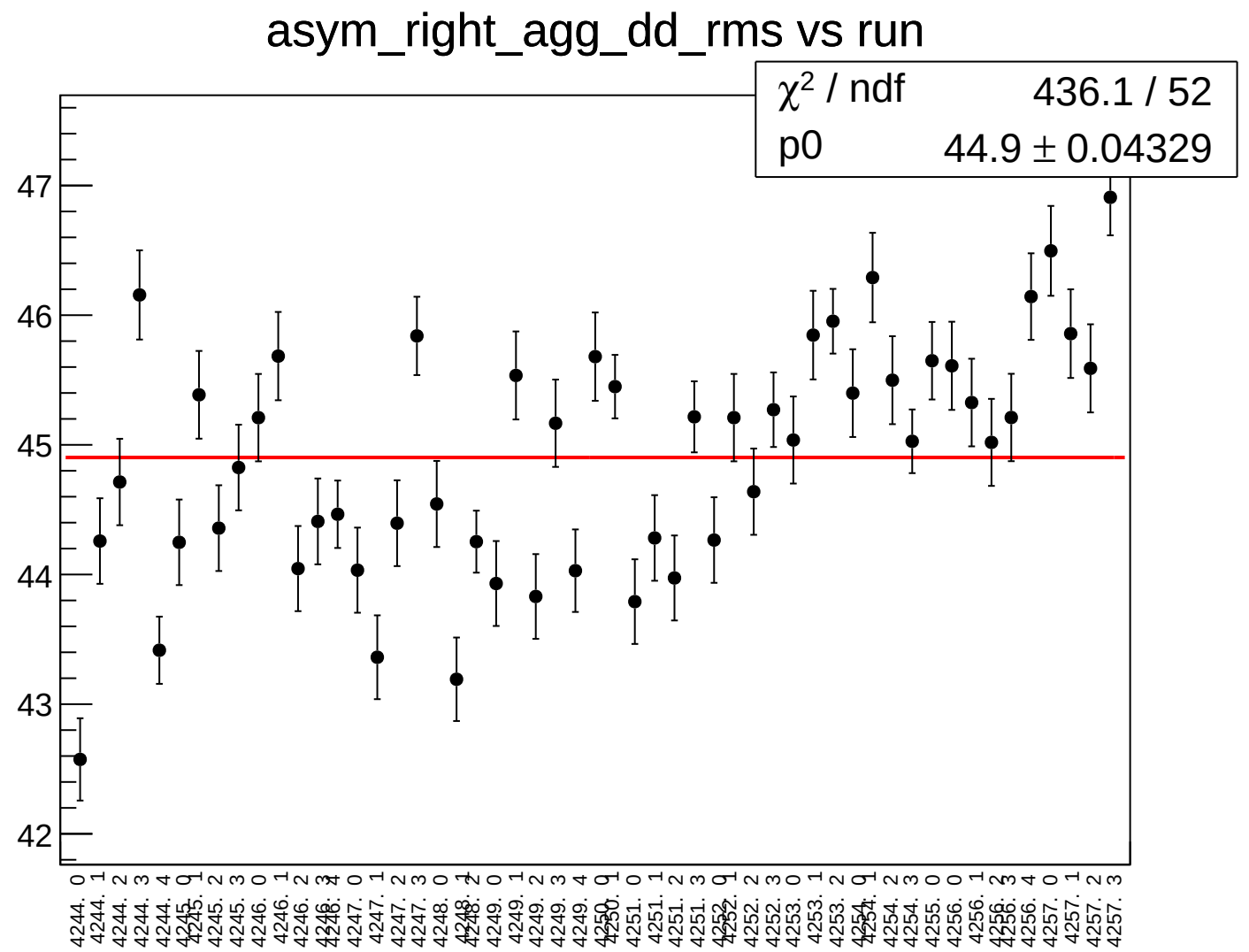

asym_right_agg_avg_mean vs run
χ² / ndf 64.06 / 52
p0 −691 ± 707.4
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 53
Mean −59.16
Std Dev 67.15
3
2
1
0
−1
−2

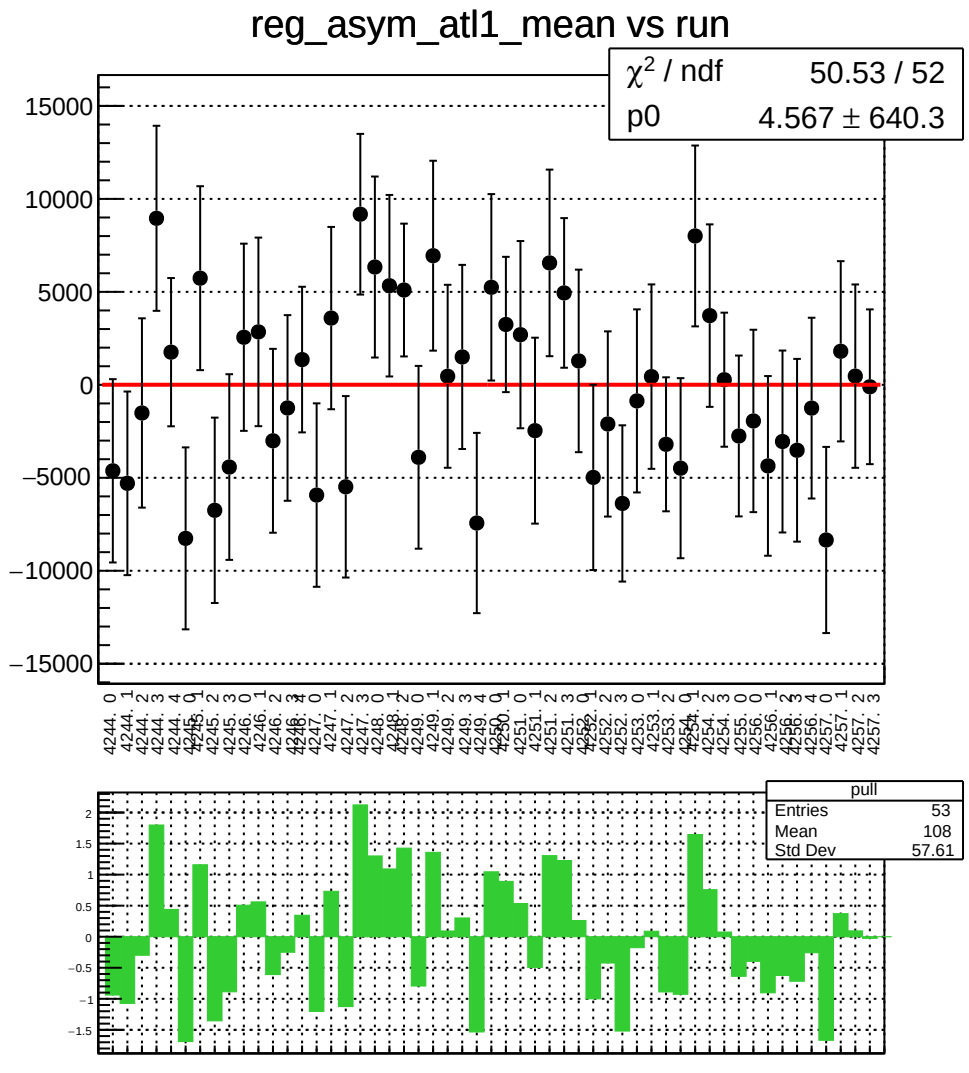

pull1D
Entries 53
Mean −0.01059
Std Dev 1.099
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

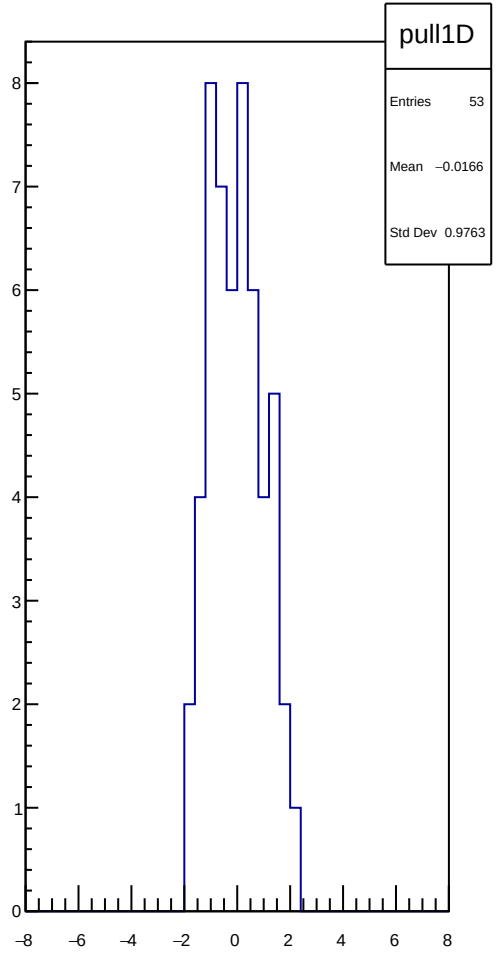

asym_right_agg_avg_rms vs run
χ² / ndf 882.8 / 52
p0 518.7 ± 0.5002
570
560
550
540
530
520
510
500
490
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

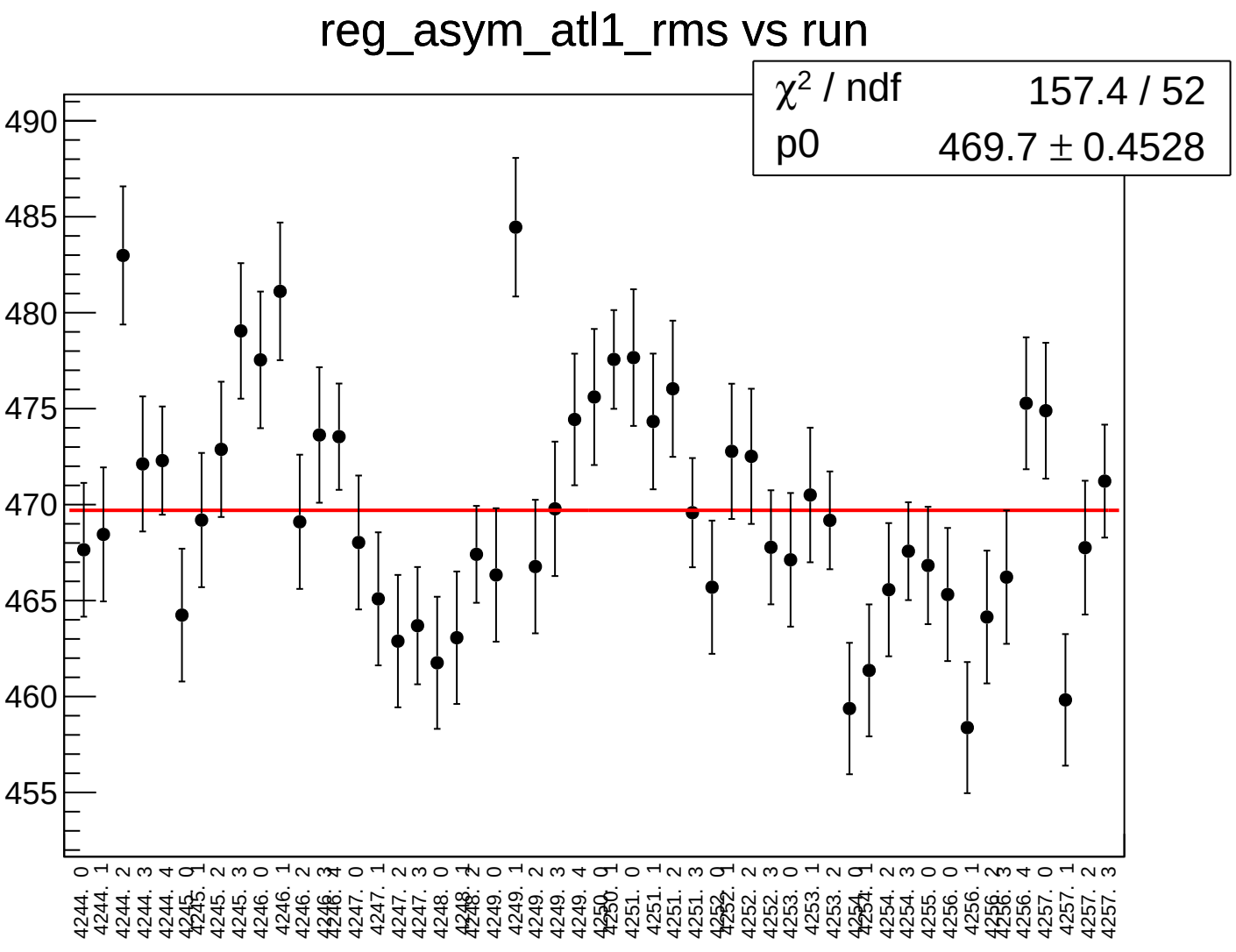

asym_right_agg_dd_mean vs run
χ² / ndf 69.51 / 52
p0 −27.28 ± 61.22
pull
Entries 53
Mean −24.91
Std Dev 70.45

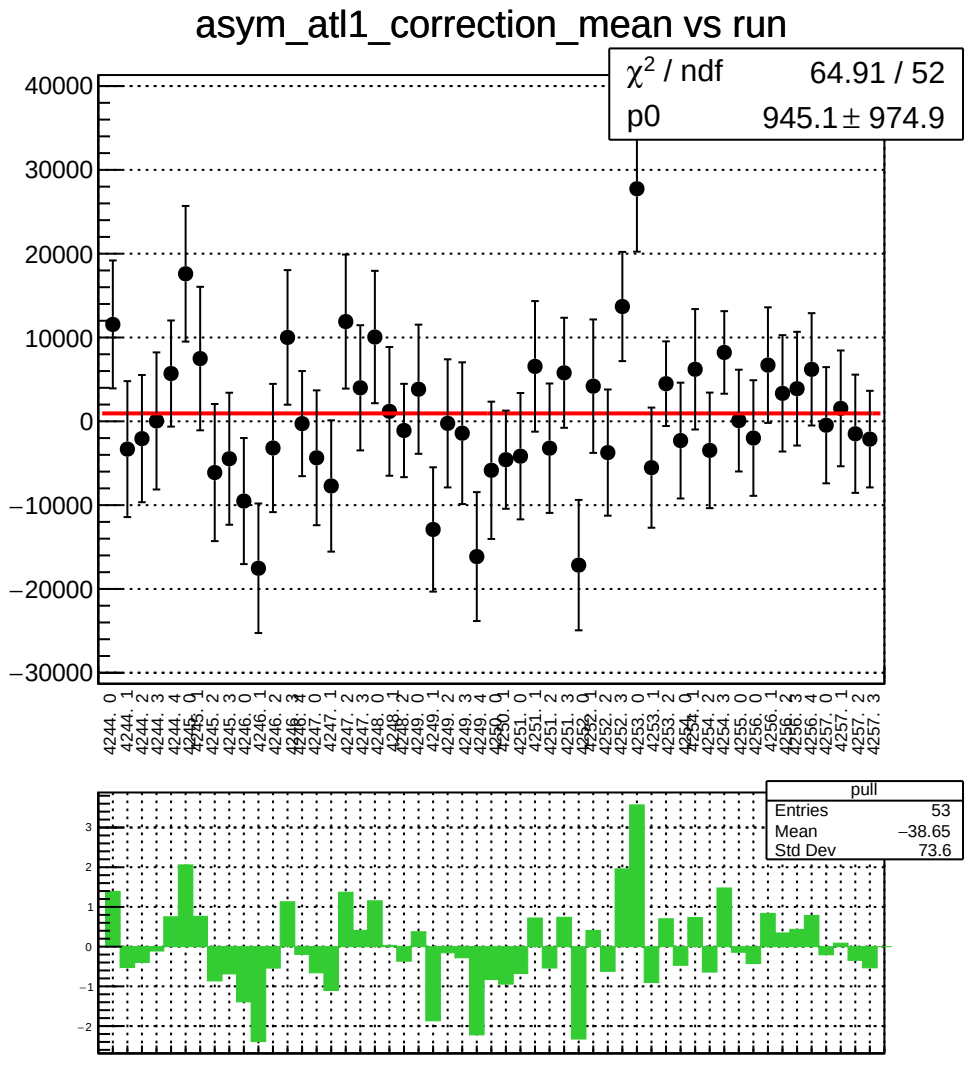

pull1D
Entries 53
Mean 0.01634
Std Dev 1.145

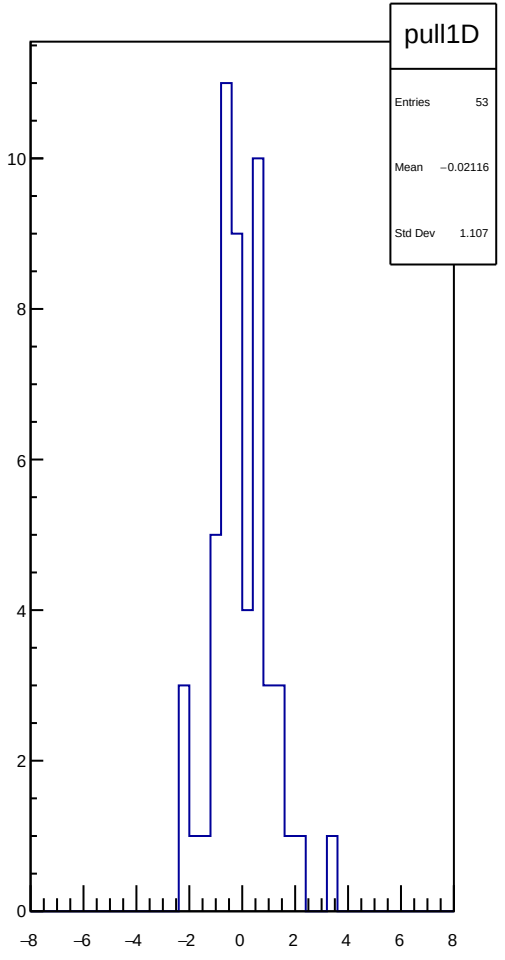

asym_right_agg_dd_rms vs run
χ^2 / ndf 436.1 / 52
p0 44.9 ± 0.04329
47
46
45
44
43
42
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

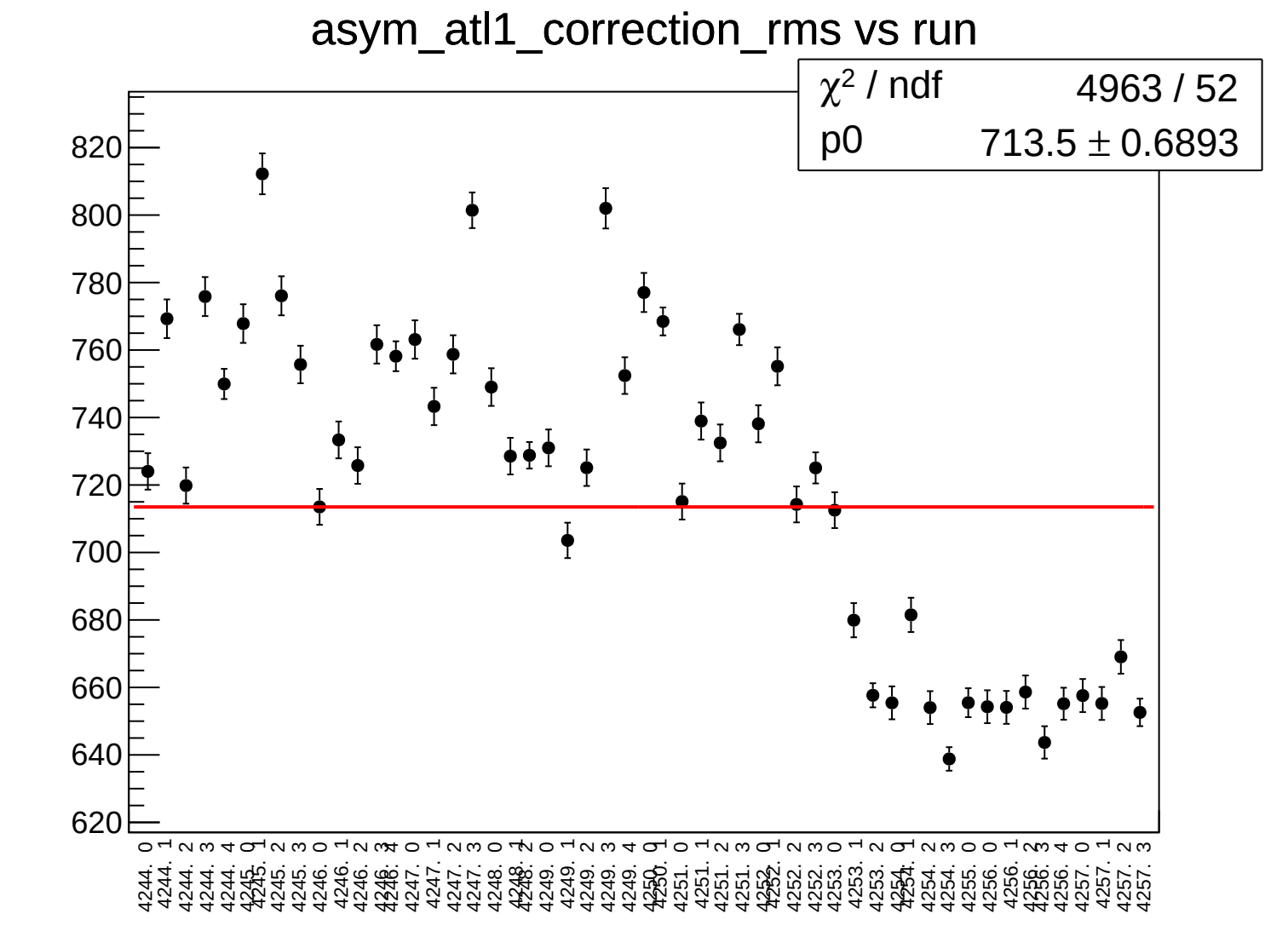

reg_asym_atl1_mean vs run
χ² / ndf 50.53 / 52
p0 4.567 ± 640.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 108
Std Dev 57.61
2
1.5
1
0.5
0
−0.5
−1
−1.5

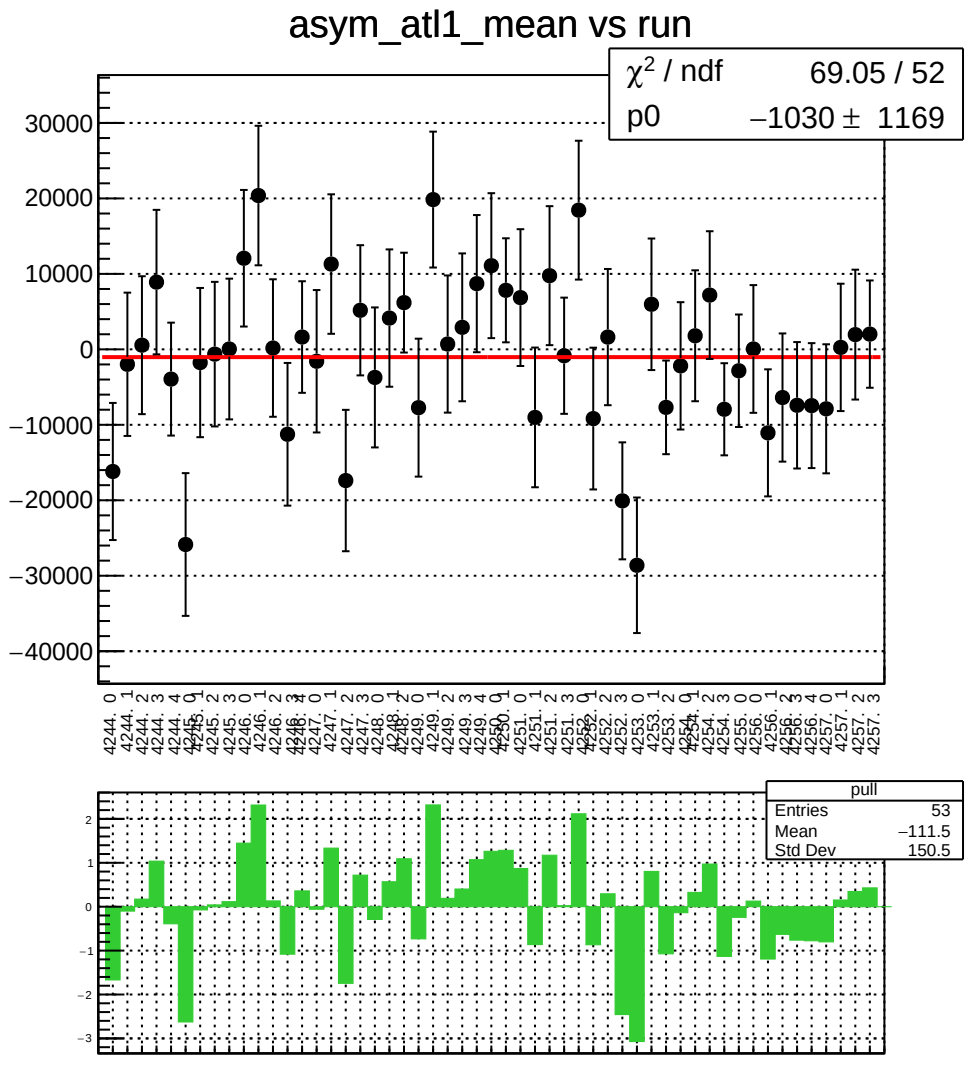

pull1D
Entries 53
Mean −0.0166
Std Dev 0.9763
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

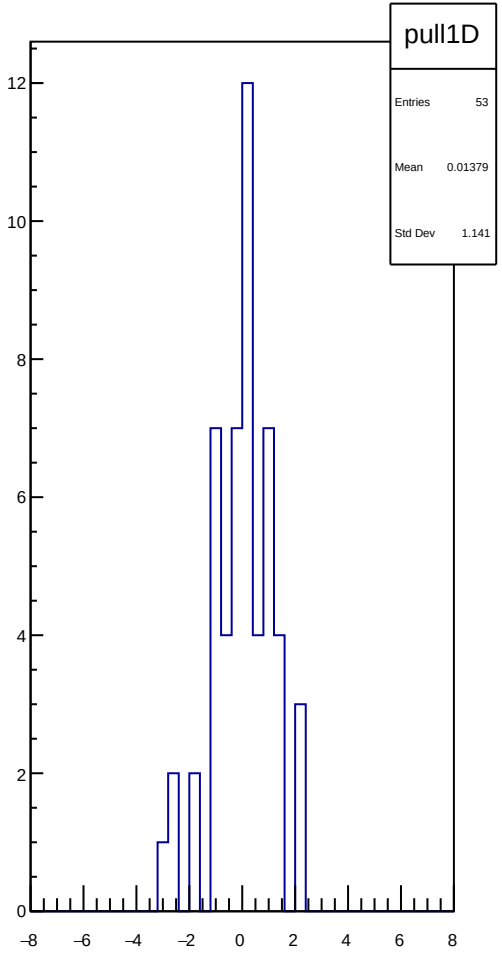

reg_asym_atl1_rms vs run
χ² / ndf 157.4 / 52
p0 469.7 ± 0.4528
490
485
480
475
470
465
460
455
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

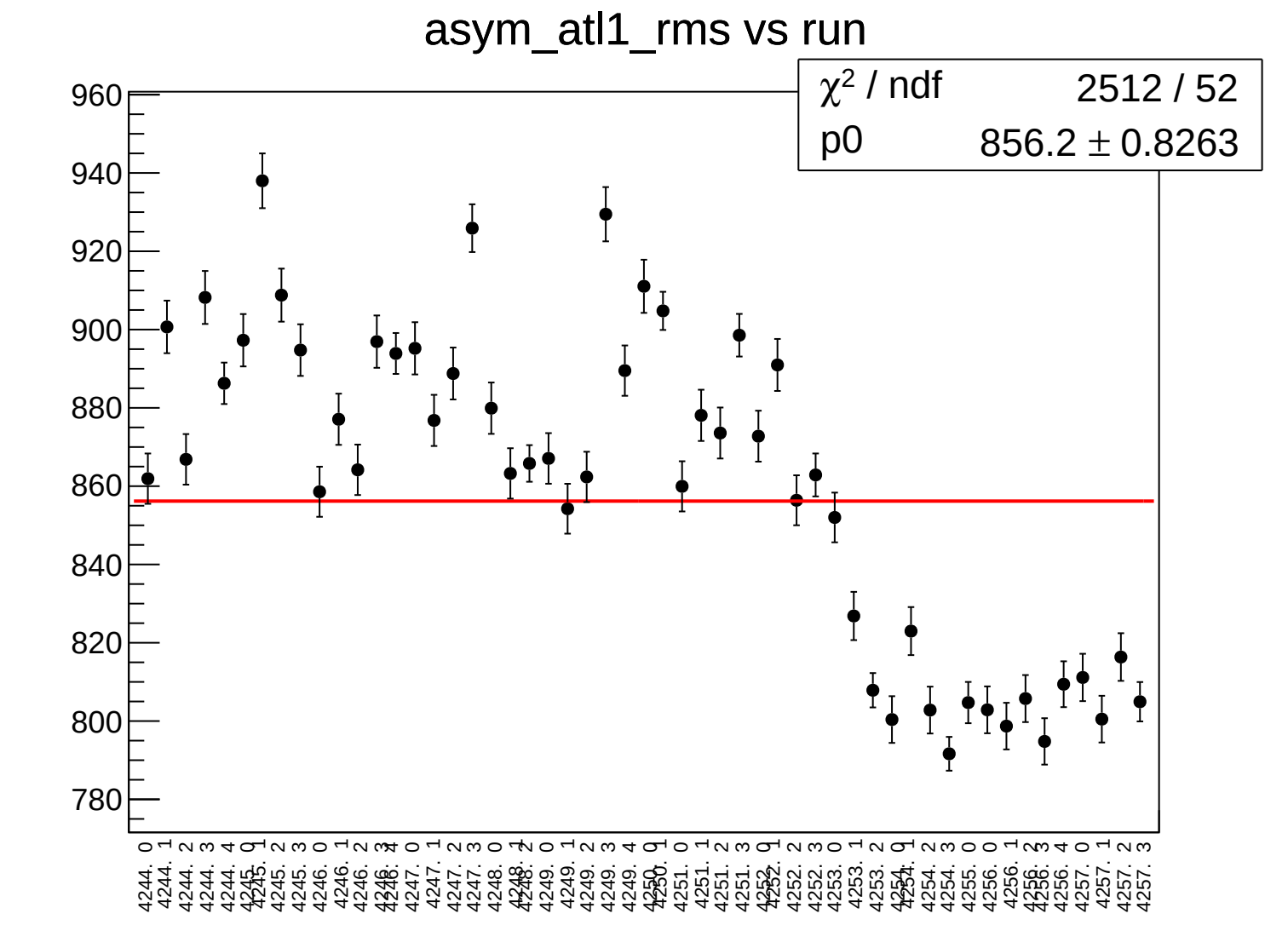

asym_atl1_correction_mean vs run
χ² / ndf 64.91 / 52
p0 945.1 ± 974.9
pull
Entries 53
Mean −38.65
Std Dev 73.6

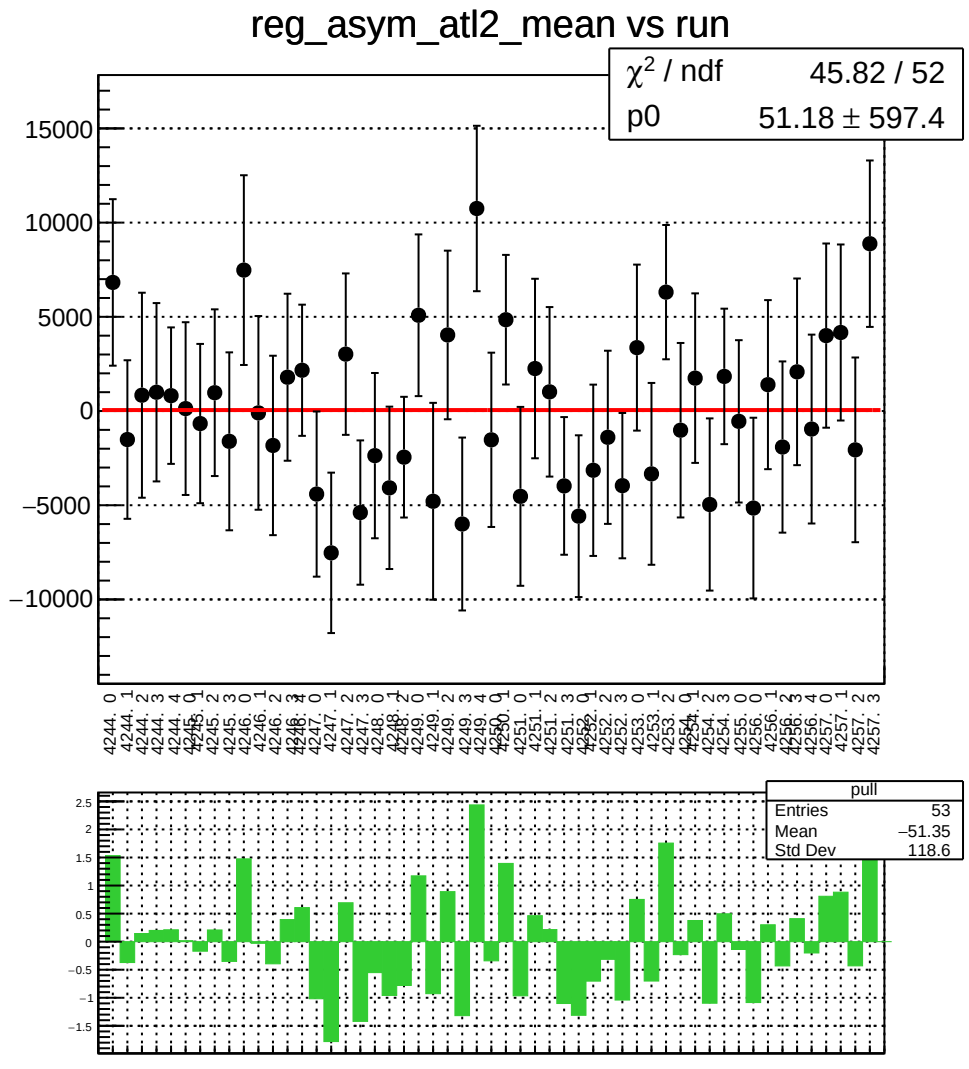

pull1D
Entries 53
Mean −0.02116
Std Dev 1.107

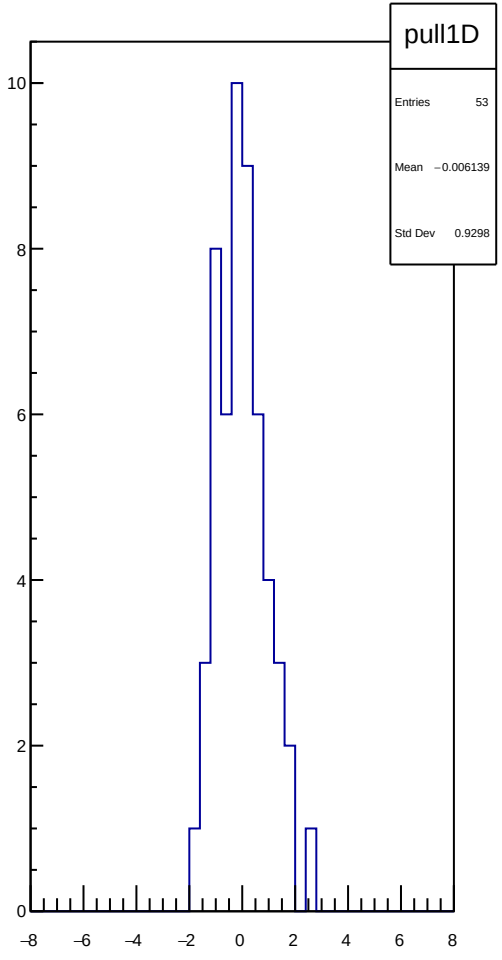

asym_atl1_correction_rms vs run
χ² / ndf 4963 / 52
p0 713.5 ± 0.6893
820
800
780
760
740
720
700
680
660
640
620
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

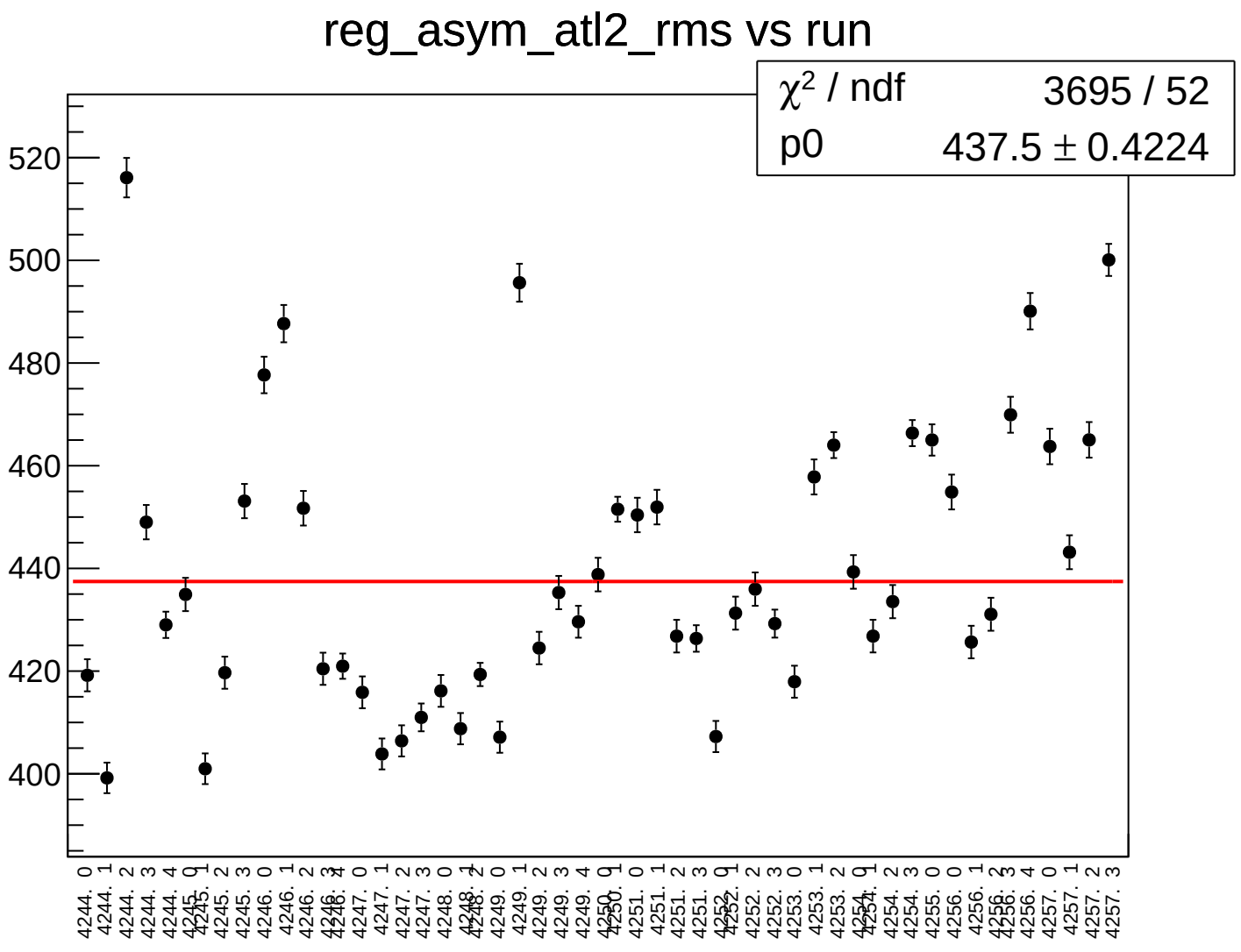

asym_atl1_mean vs run
χ^2 / ndf 69.05 / 52
p0 −1030 ± 1169
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 53
Mean −111.5
Std Dev 150.5
2
1
0
−1
−2
−3

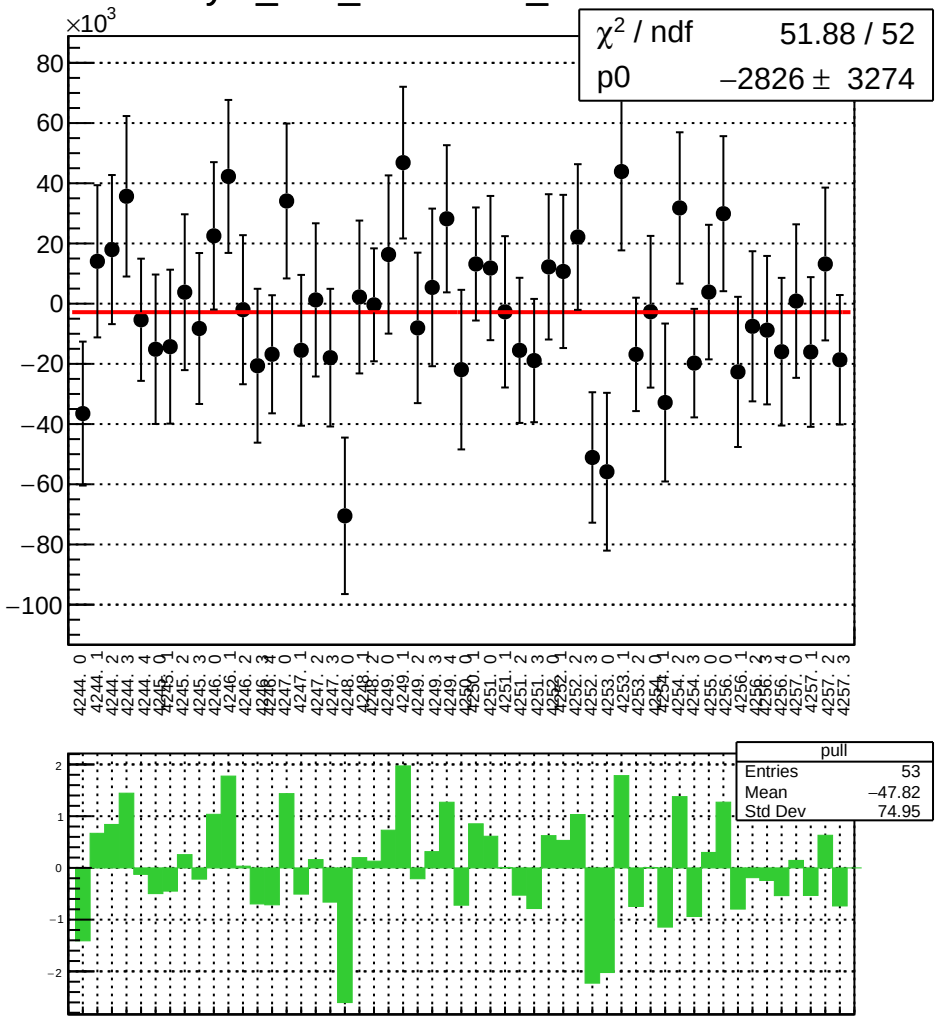

pull1D
Entries 53
Mean 0.01379
Std Dev 1.141
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

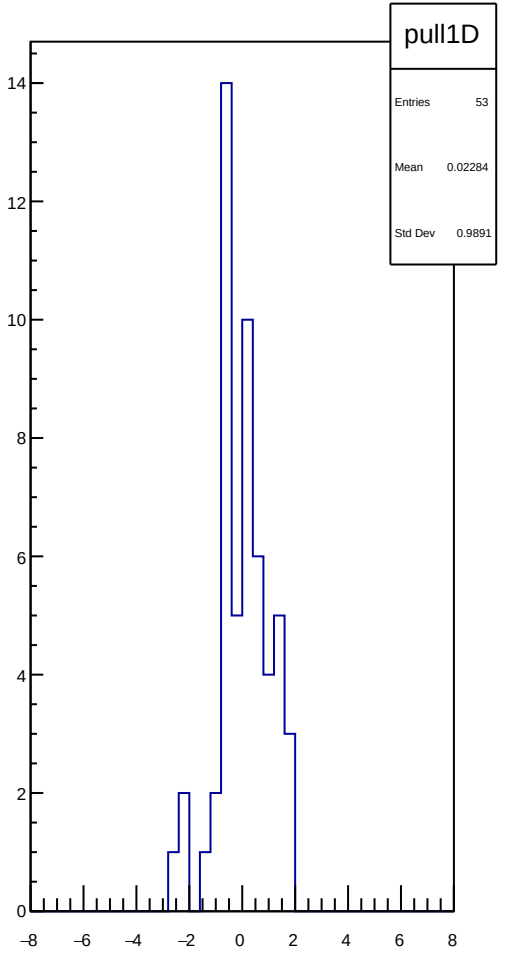

asym_atl1_rms vs run
χ² / ndf 2512 / 52
p0 856.2 ± 0.8263
960
940
920
900
880
860
840
820
800
780
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

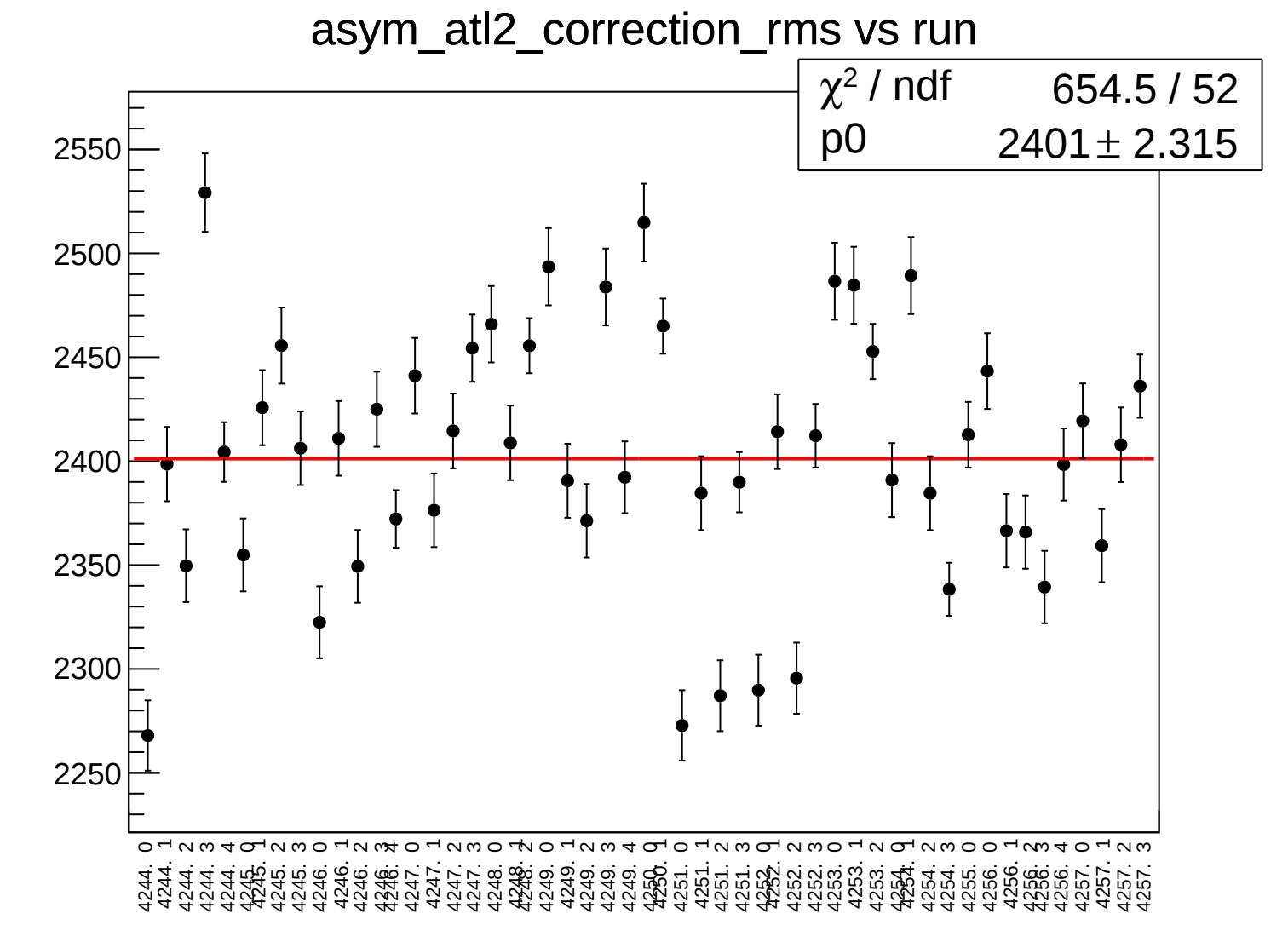

reg_asym_atl2_mean vs run
χ² / ndf 45.82 / 52
p0 51.18 ± 597.4
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −51.35
Std Dev 118.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

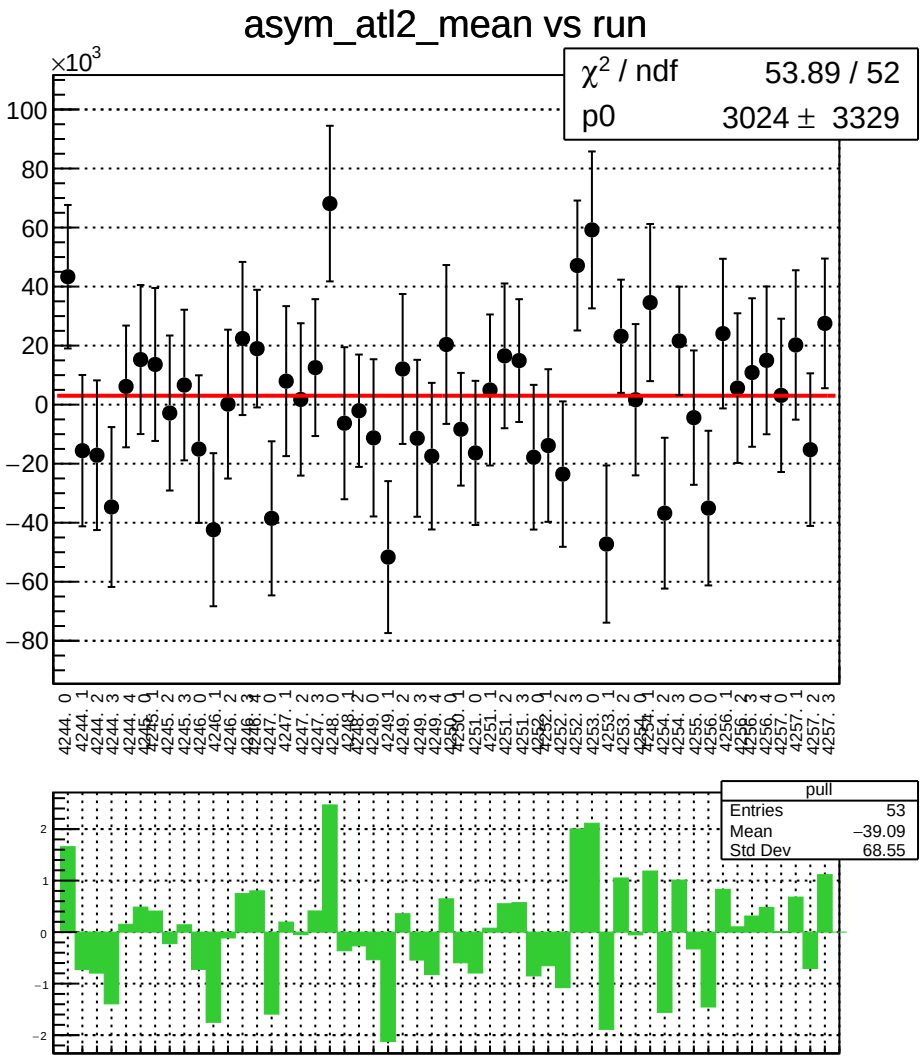

pull1D
Entries 53
Mean −0.006139
Std Dev 0.9298
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

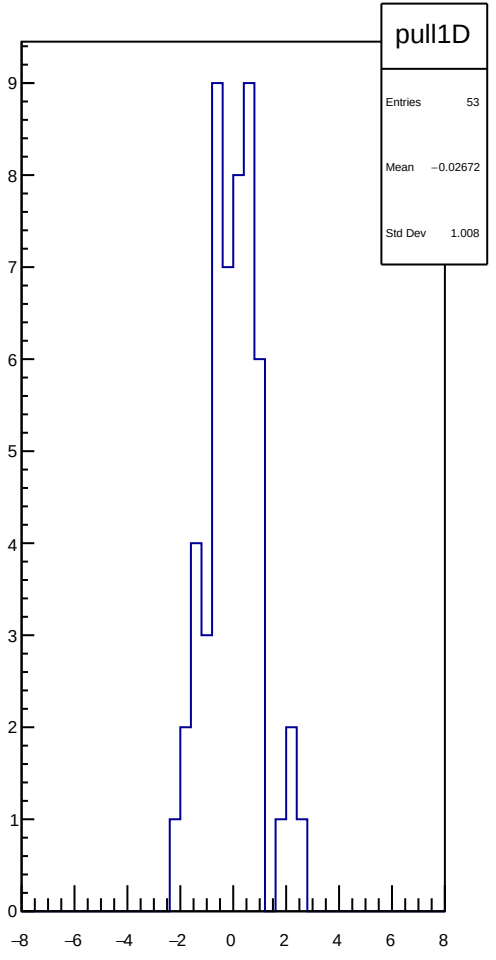

reg_asym_atl2_rms vs run
χ² / ndf 3695 / 52
p0 437.5 ± 0.4224
520
500
480
460
440
420
400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

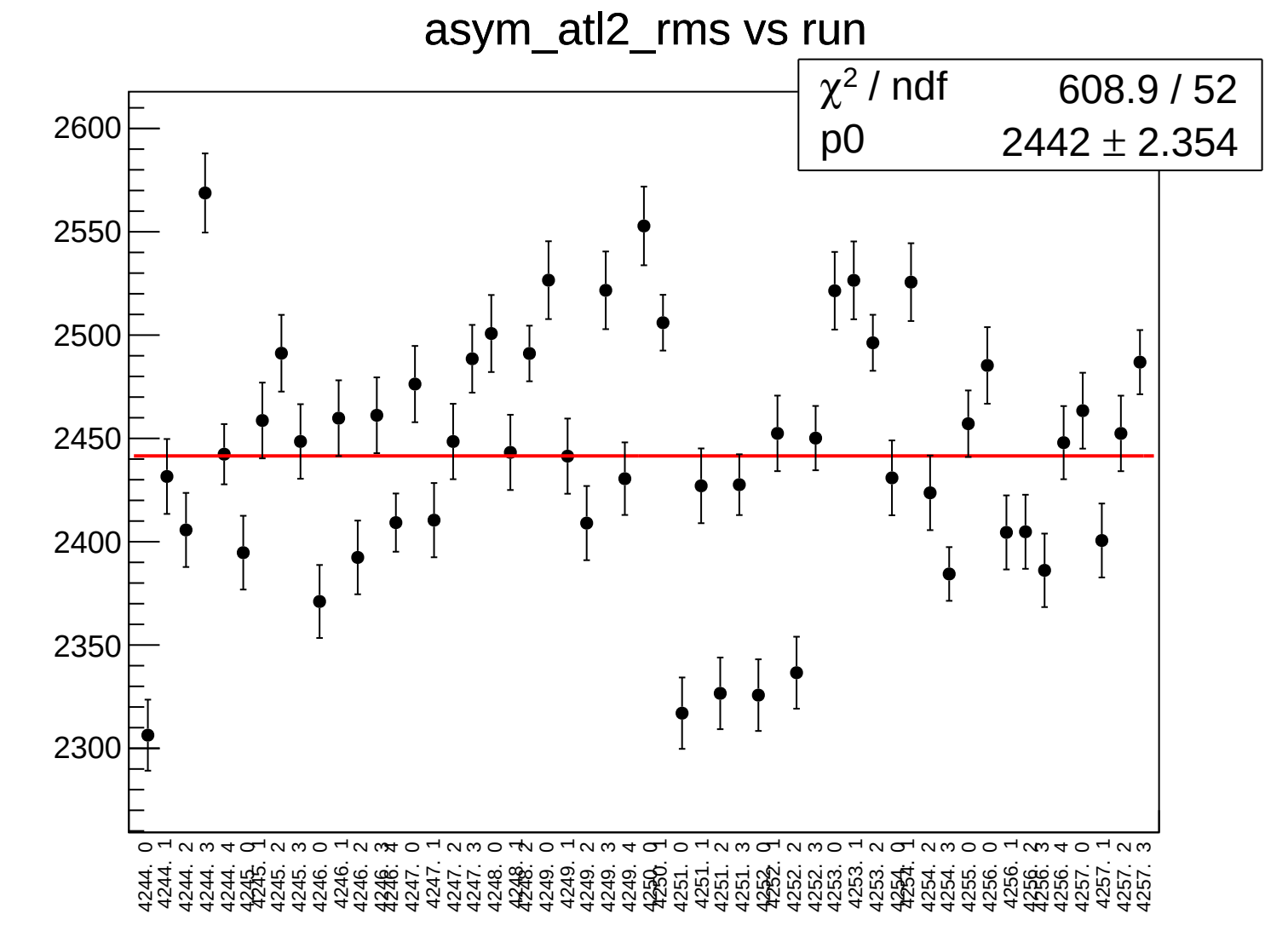

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 51.88 / 52
p0 −2826 ± 3274
pull
Entries 53
Mean −47.82
Std Dev 74.95

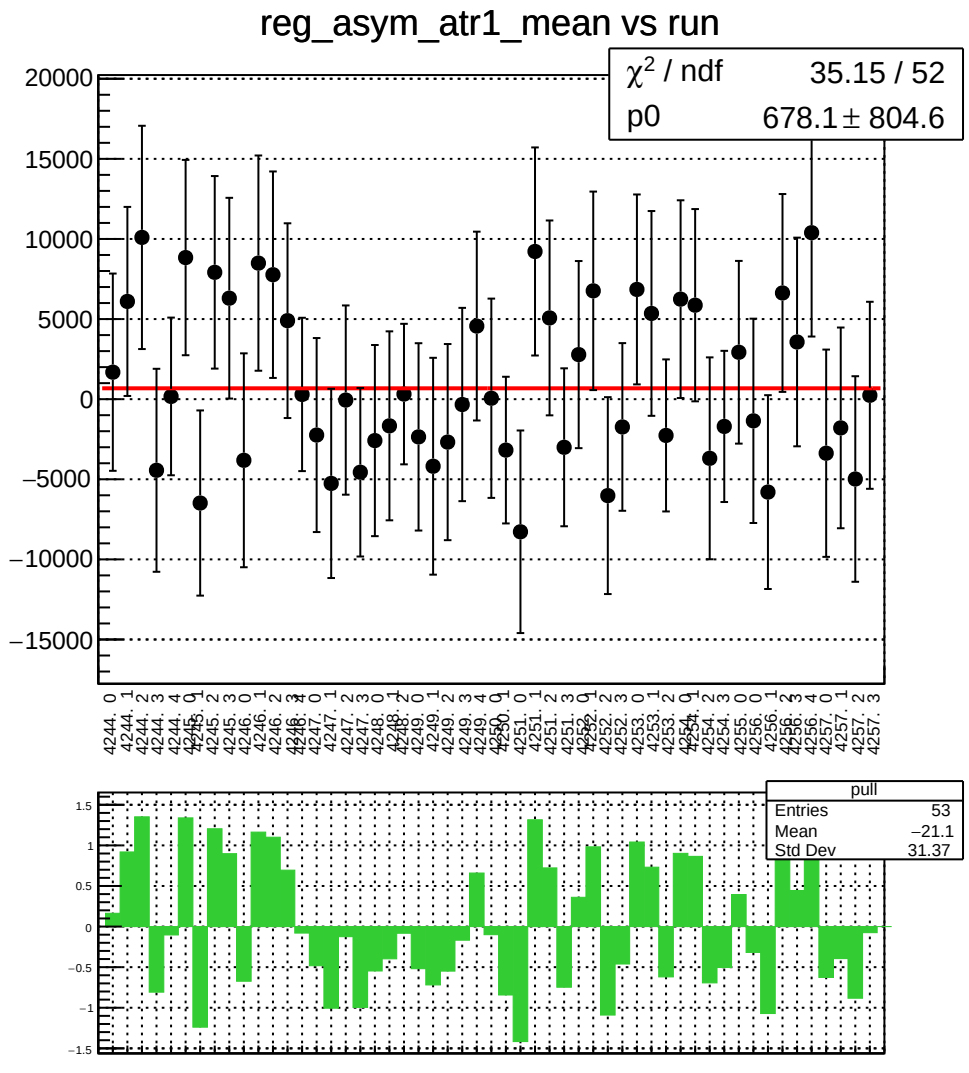

pull1D
Entries 53
Mean 0.02284
Std Dev 0.9891

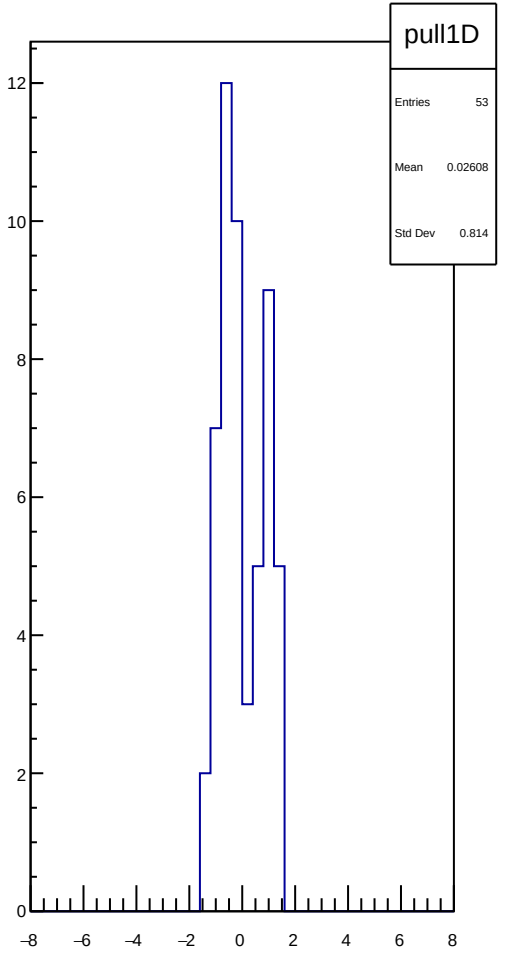

asym_atl2_correction_rms vs run
χ² / ndf 654.5 / 52
p0 2401 ± 2.315
2550
2500
2450
2400
2350
2300
2250
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

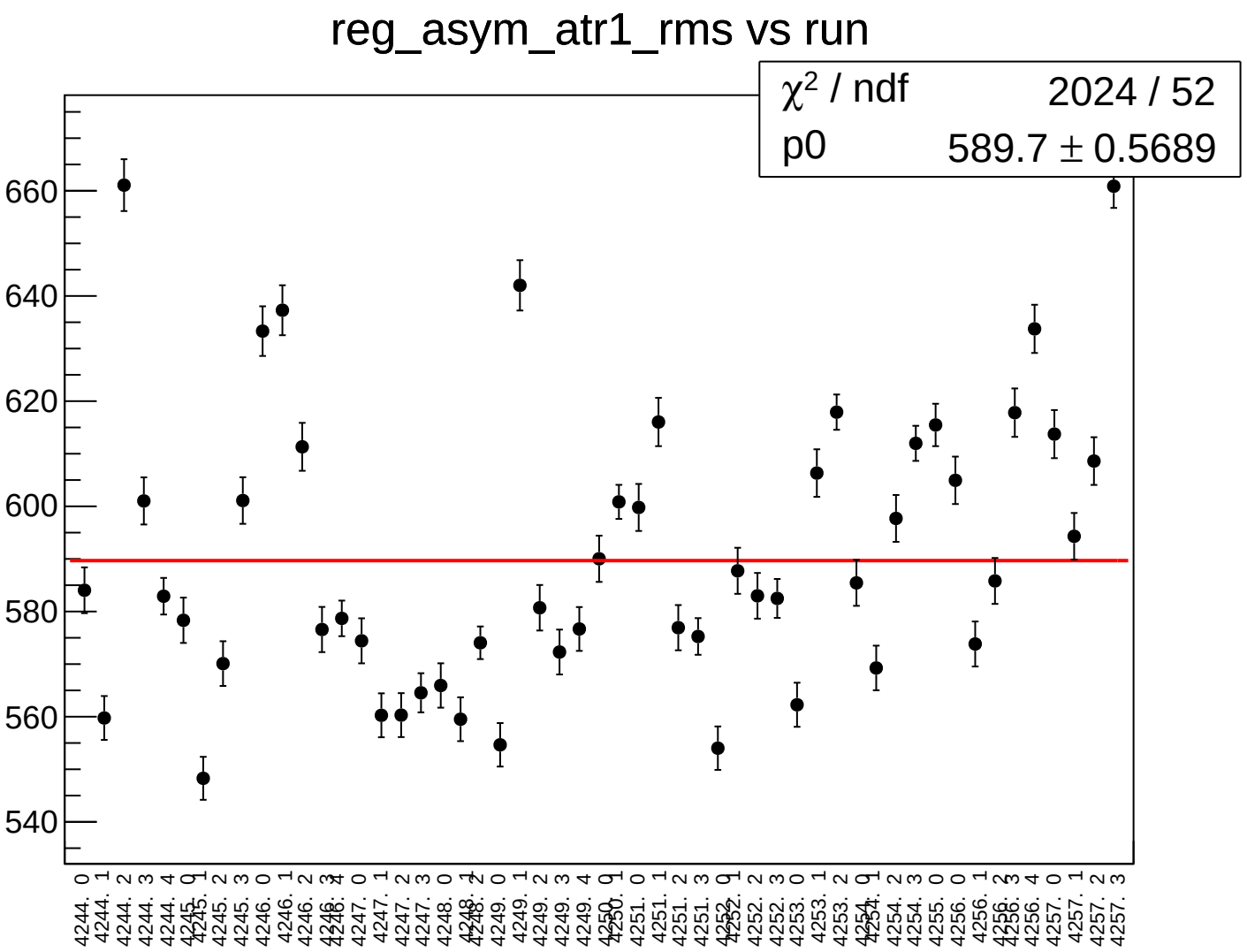

asym_atl2_mean vs run
χ² / ndf 53.89 / 52
p0 3024 ± 3329
×10³
pull
Entries 53
Mean −39.09
Std Dev 68.55

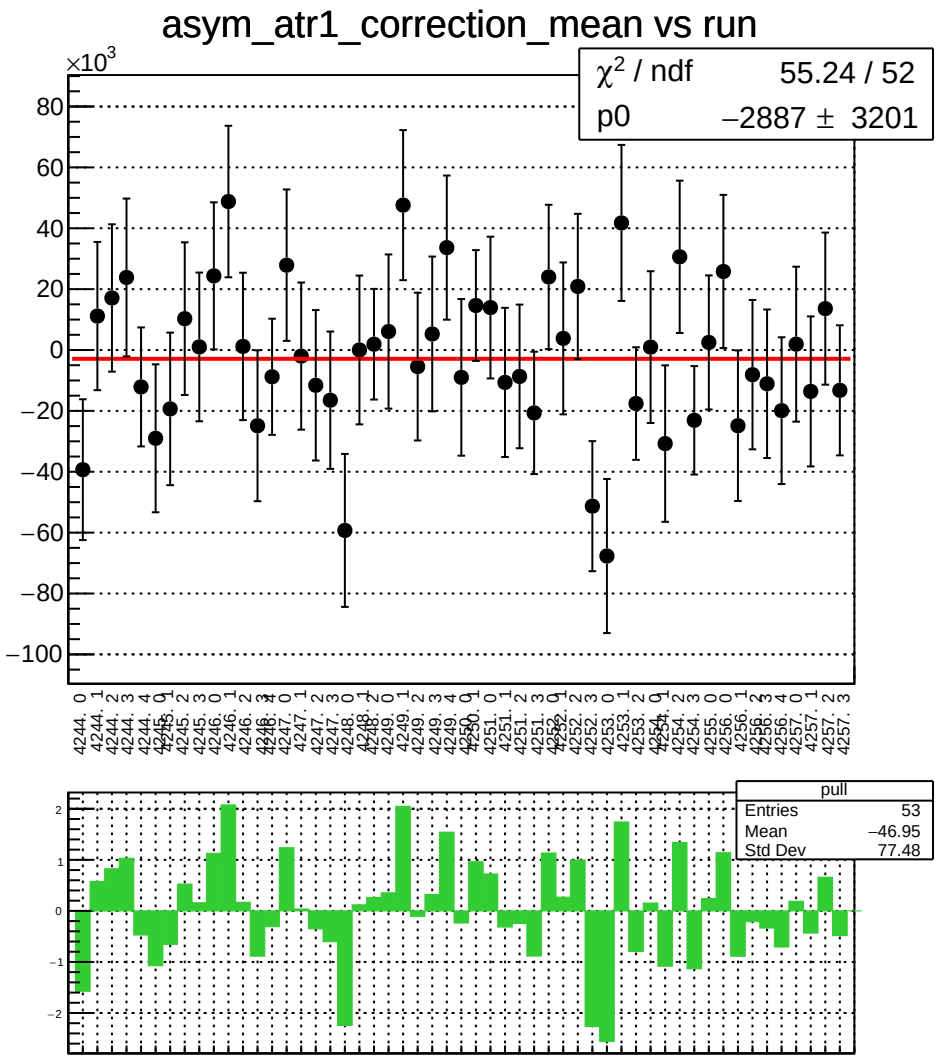

pull1D
Entries 53
Mean −0.02672
Std Dev 1.008

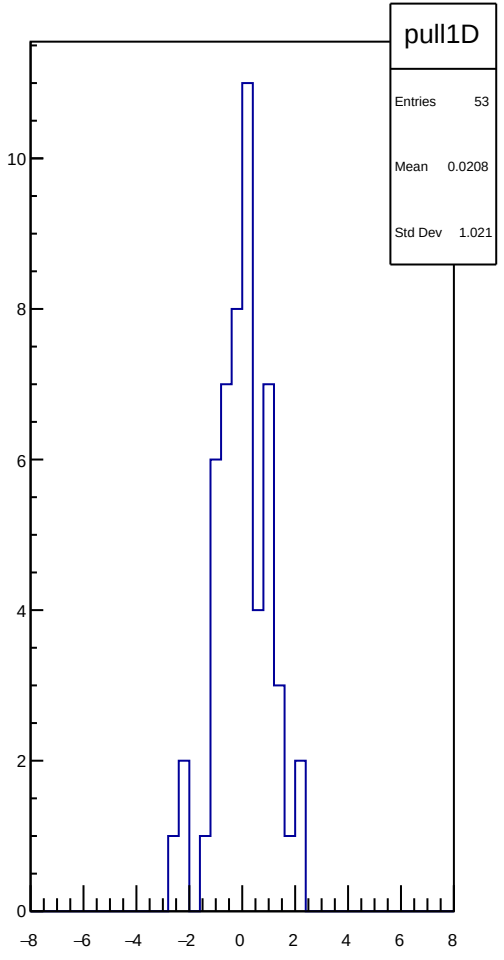

asym_atl2_rms vs run
χ² / ndf 608.9 / 52
p0 2442 ± 2.354
2600
2550
2500
2450
2400
2350
2300
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

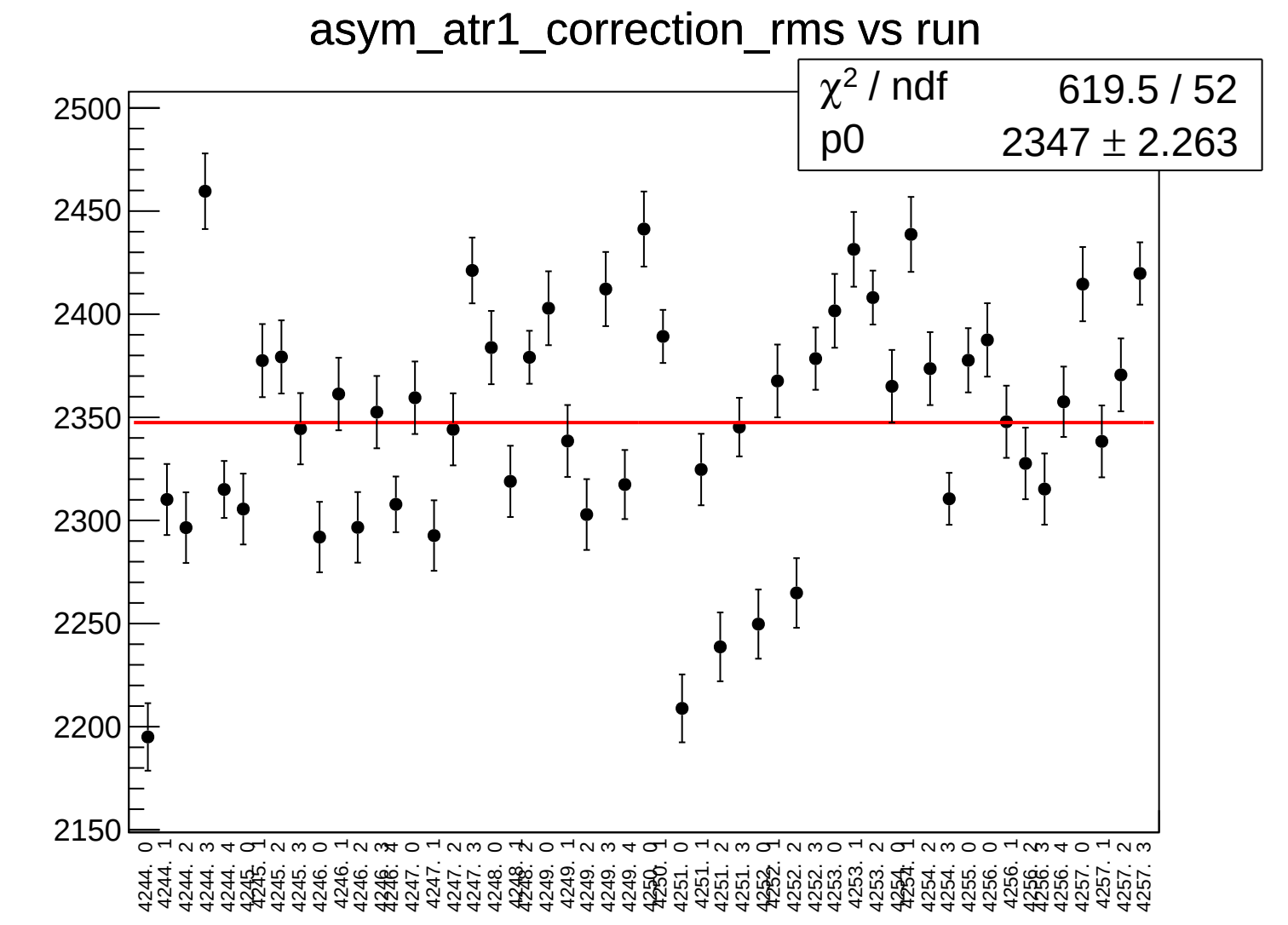

reg_asym_atr1_mean vs run
χ^2 / ndf 35.15 / 52
p0 678.1 ± 804.6
pull
Entries 53
Mean −21.1
Std Dev 31.37

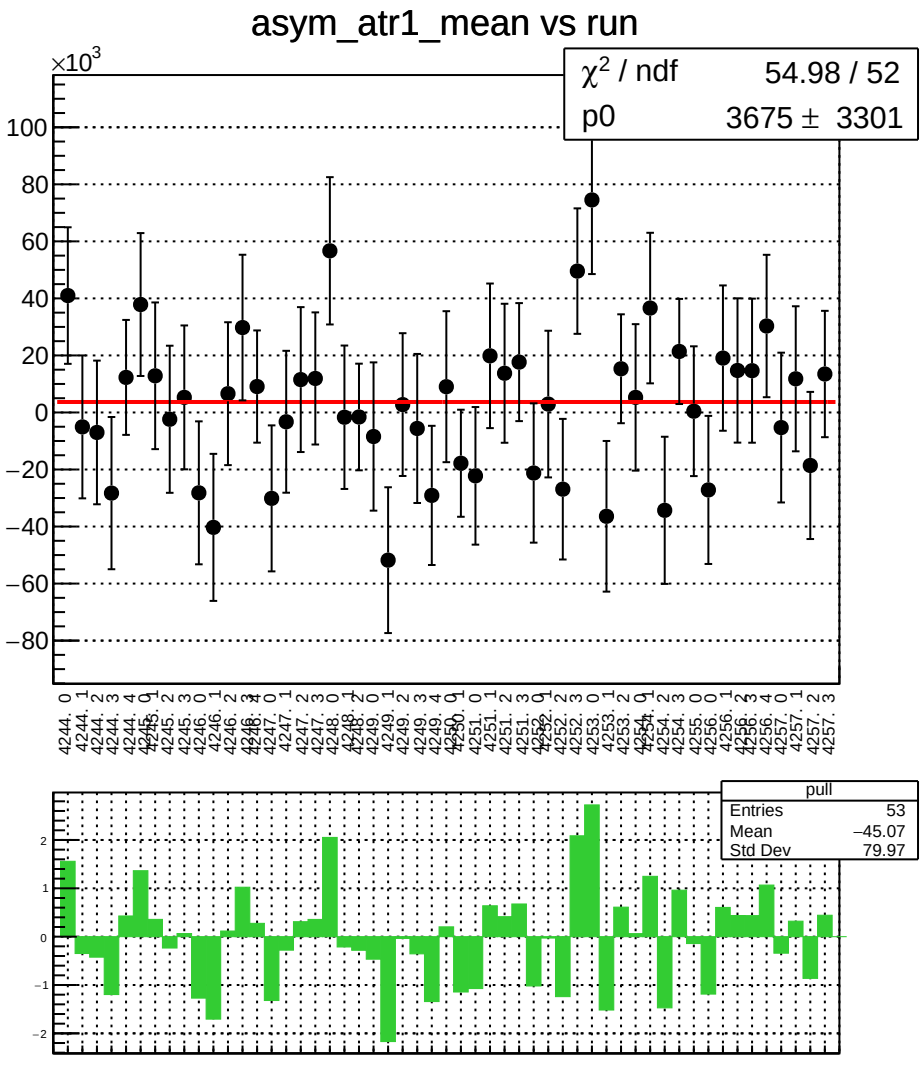

pull1D
Entries 53
Mean 0.02608
Std Dev 0.814

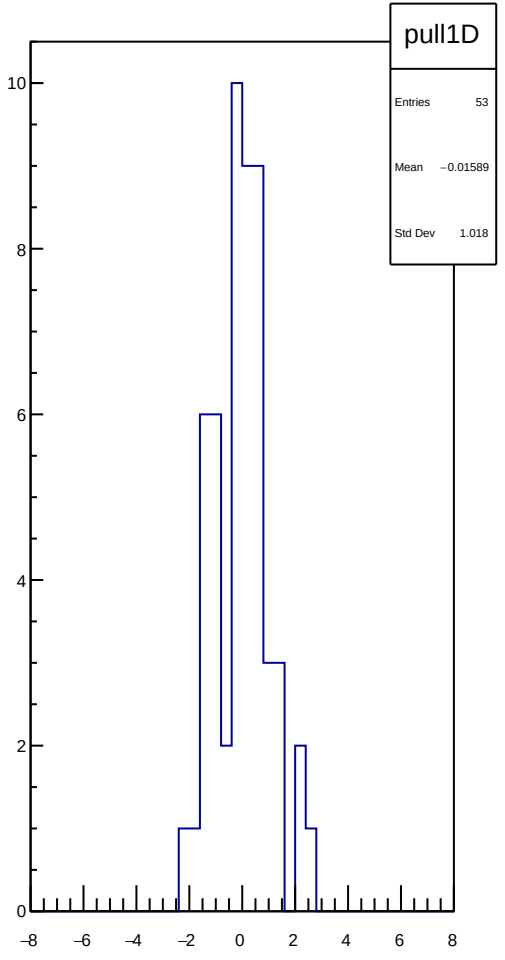

reg_asym_atr1_rms vs run
χ² / ndf 2024 / 52
p0 589.7 ± 0.5689
660
640
620
600
580
560
540
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

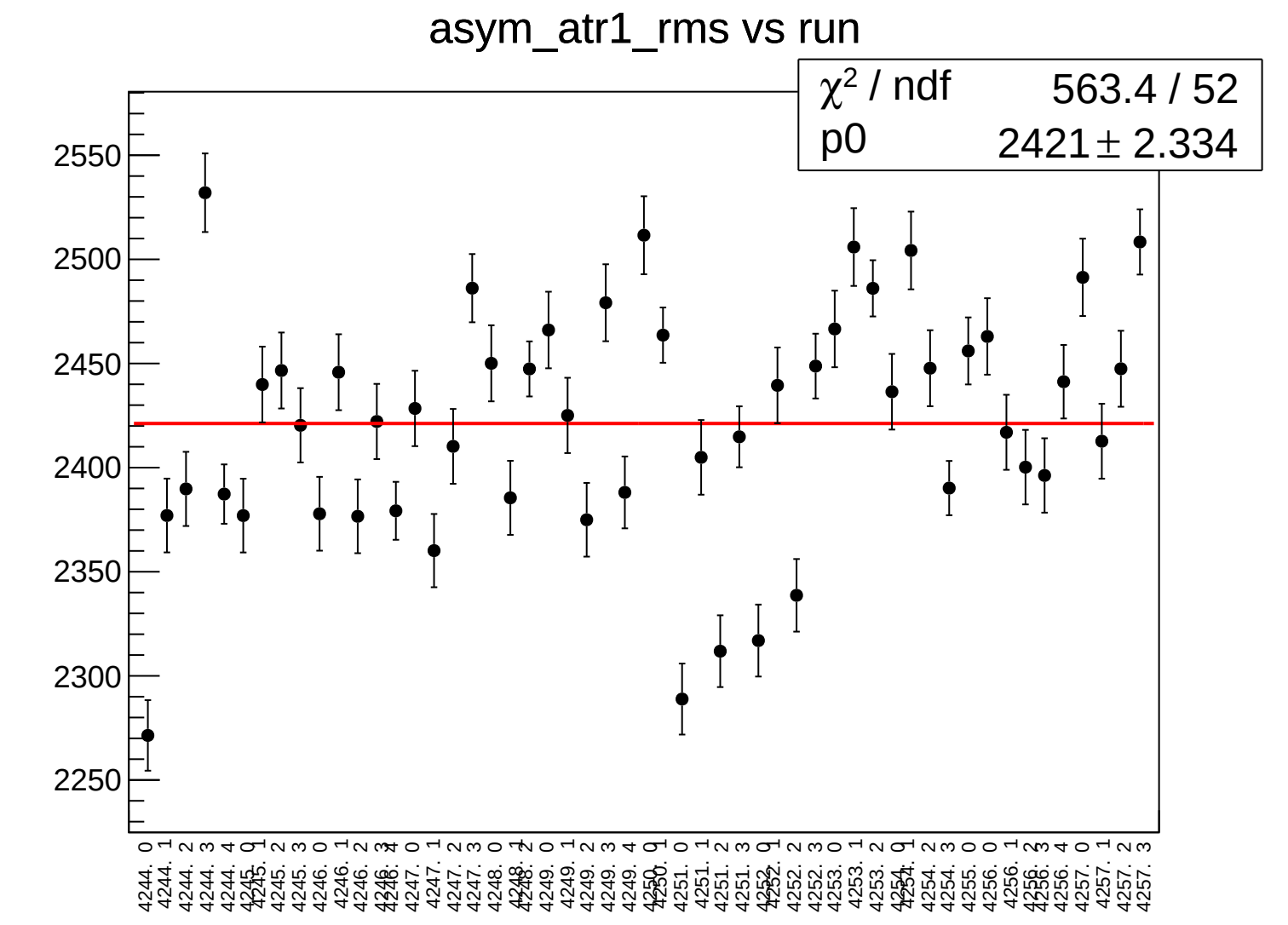

asym_atr1_correction_mean vs run
χ² / ndf 55.24 / 52
p0 −2887 ± 3201
pull
Entries 53
Mean −46.95
Std Dev 77.48

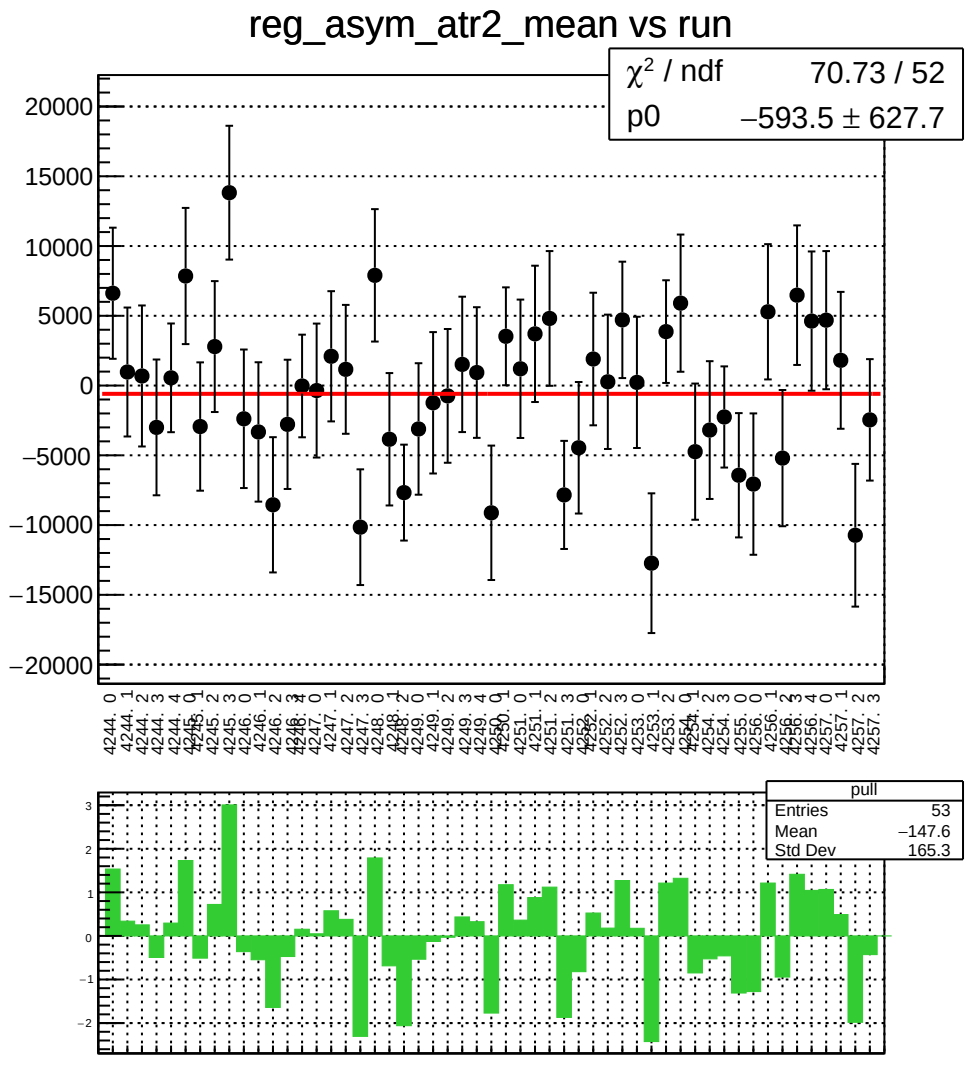

pull1D
Entries 53
Mean 0.0208
Std Dev 1.021

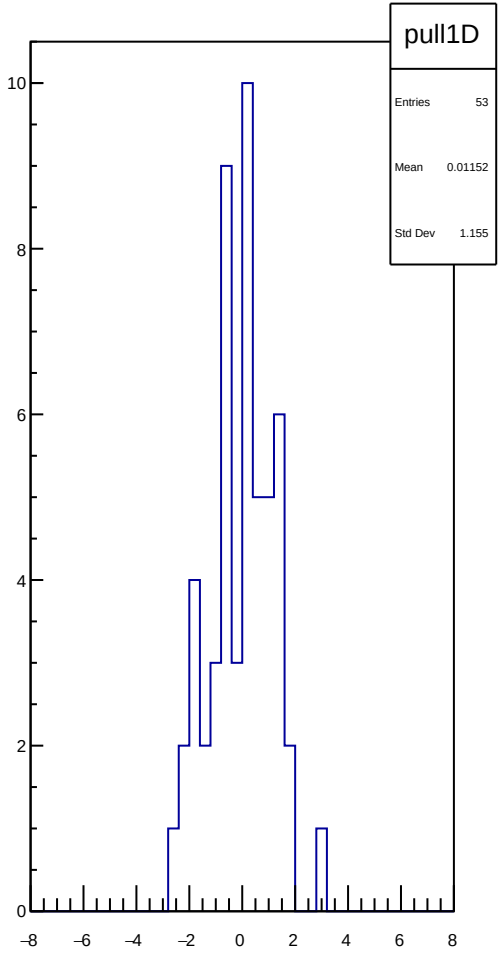

asym_atr1_correction_rms vs run
χ² / ndf 619.5 / 52
p0 2347 ± 2.263
2500
2450
2400
2350
2300
2250
2200
2150
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

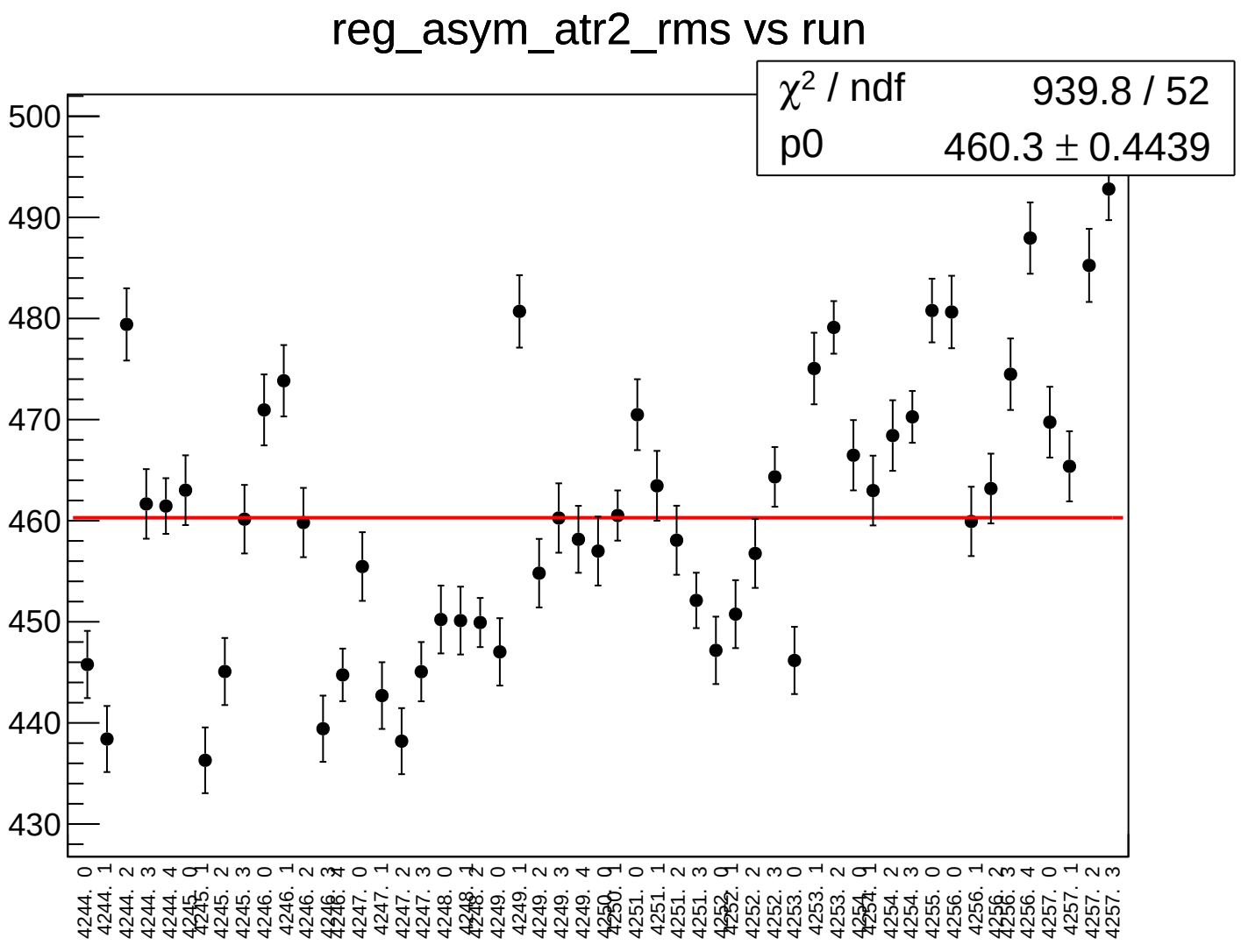

asym_atr1_mean vs run
×10^3
χ² / ndf 54.98 / 52
p0 3675 ± 3301
pull
Entries 53
Mean −45.07
Std Dev 79.97

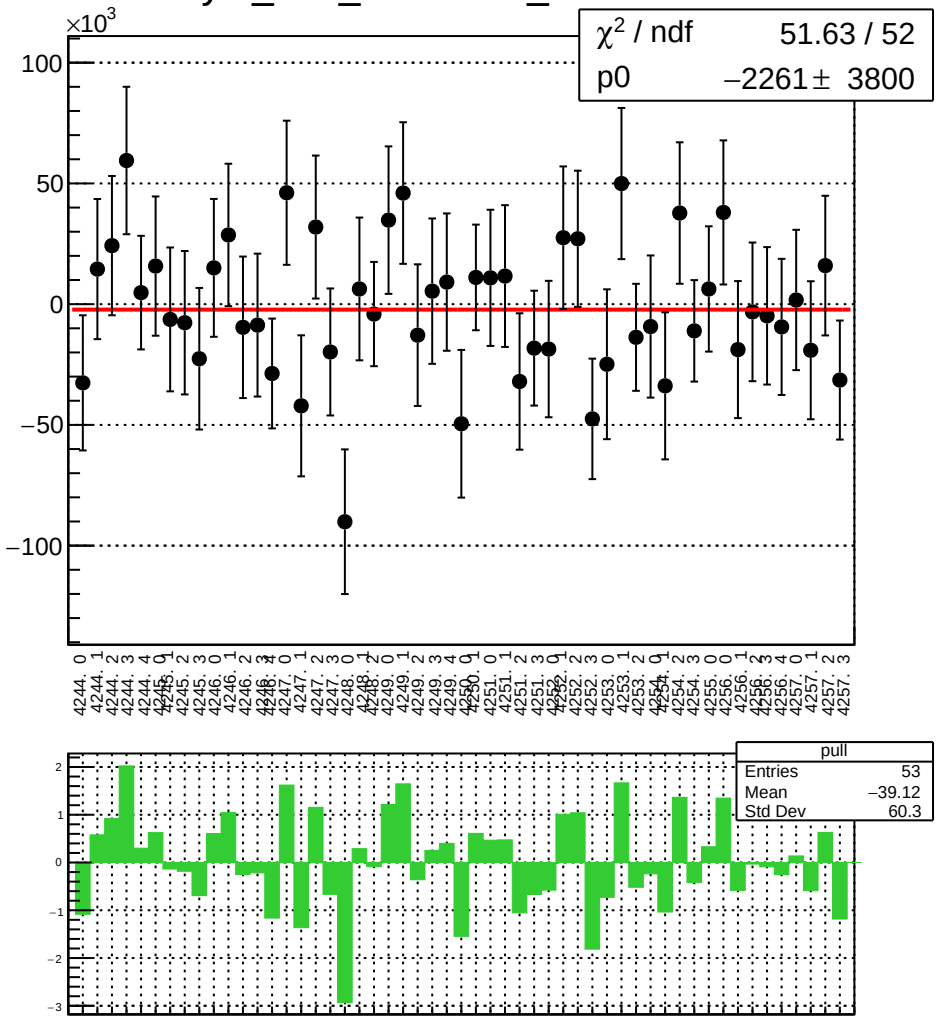

pull1D
Entries 53
Mean −0.01589
Std Dev 1.018

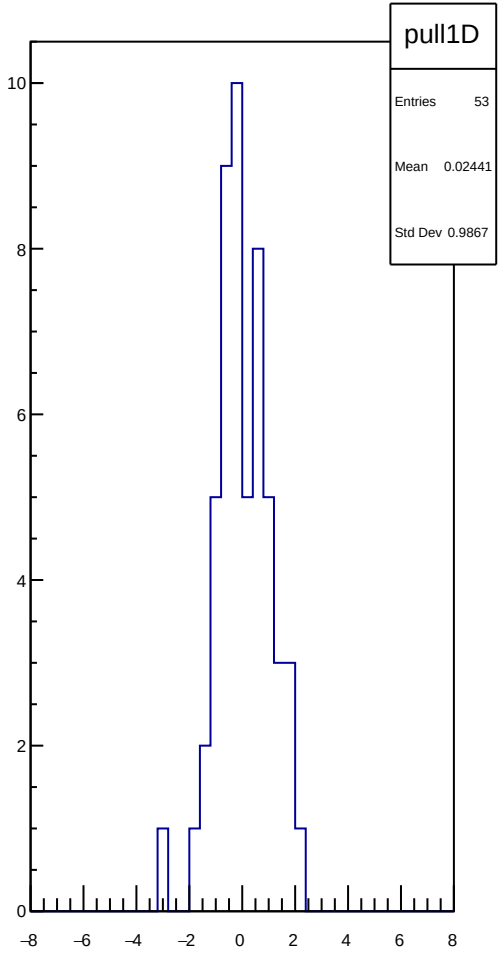

asym_atr1_rms vs run
χ² / ndf 563.4 / 52
p0 2421 ± 2.334
2550
2500
2450
2400
2350
2300
2250
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

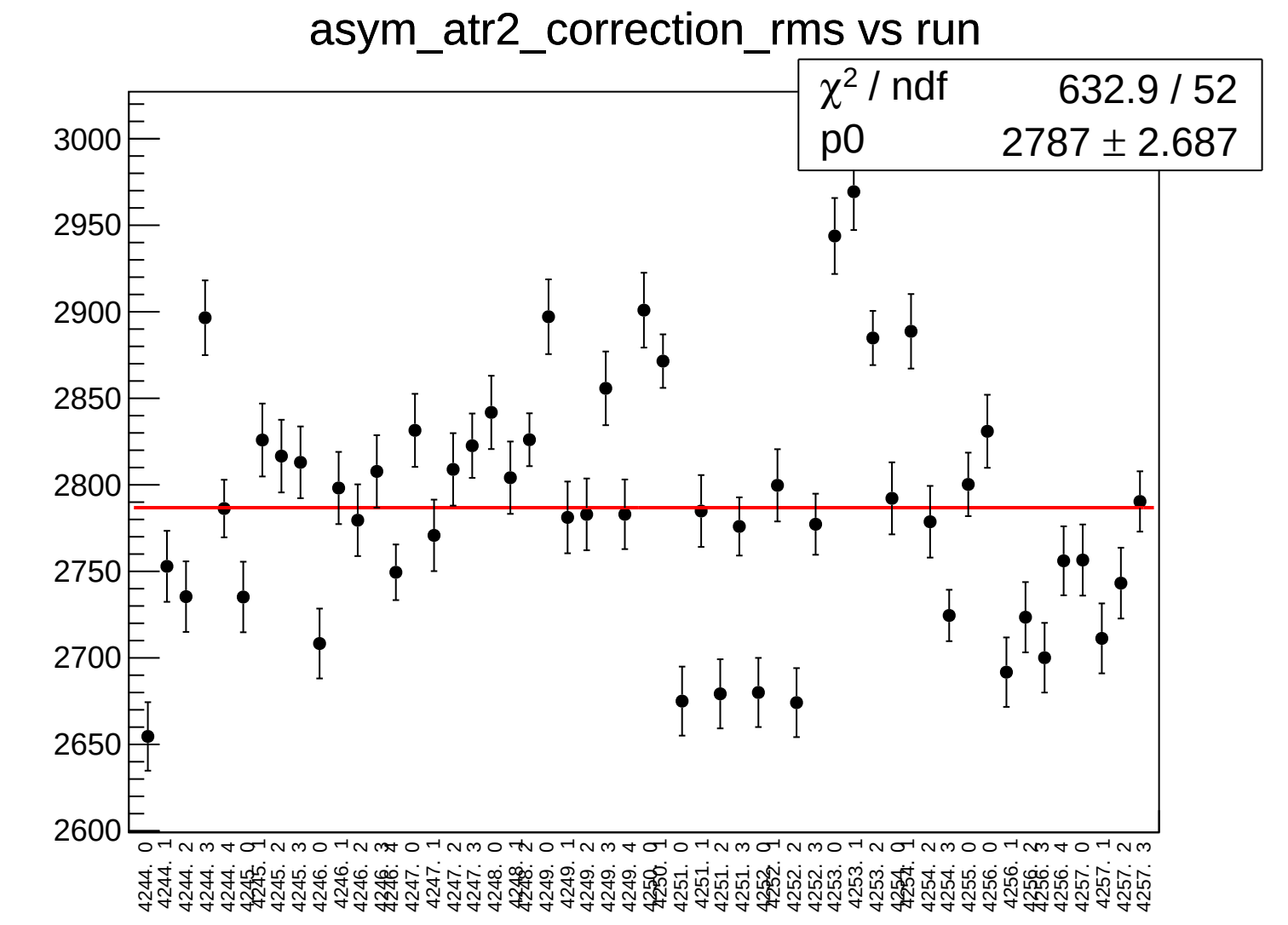

reg_asym_atr2_mean vs run
χ² / ndf 70.73 / 52
p0 −593.5 ± 627.7
pull
Entries 53
Mean −147.6
Std Dev 165.3

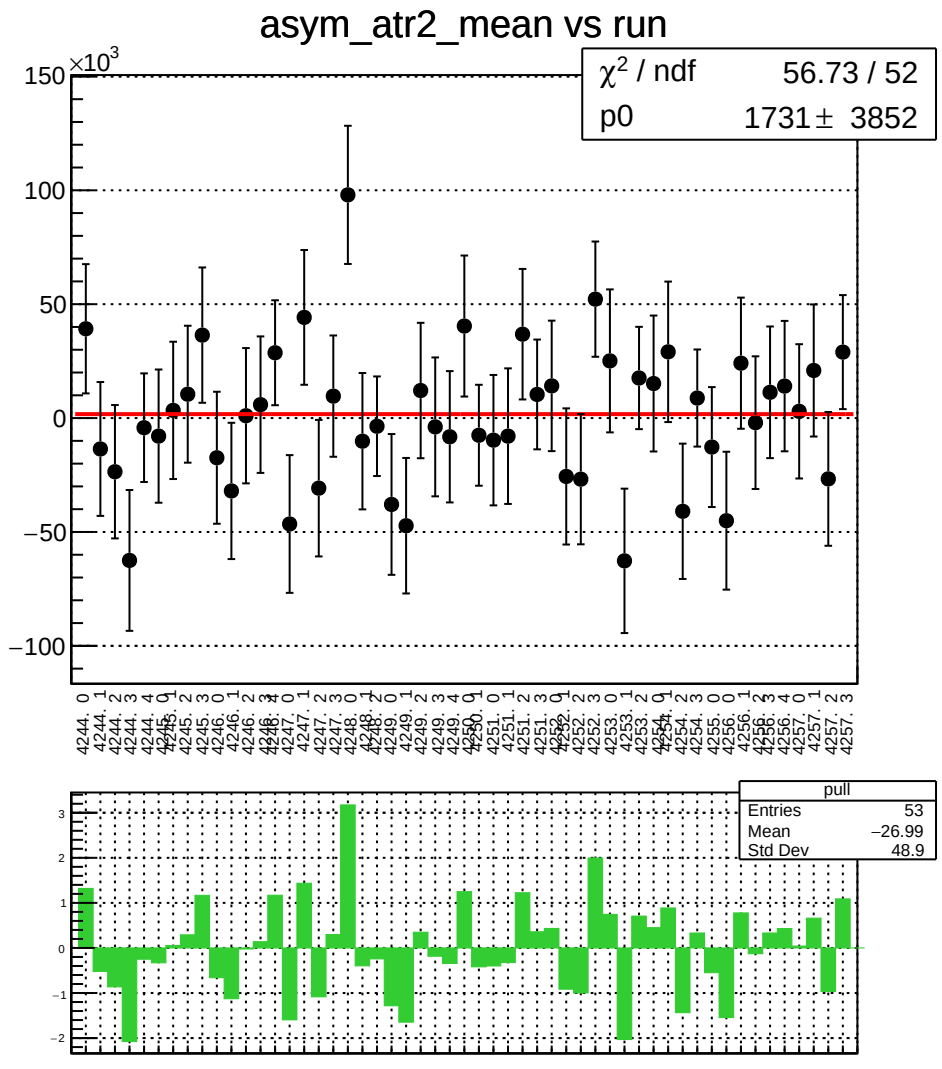

pull1D
Entries 53
Mean 0.01152
Std Dev 1.155

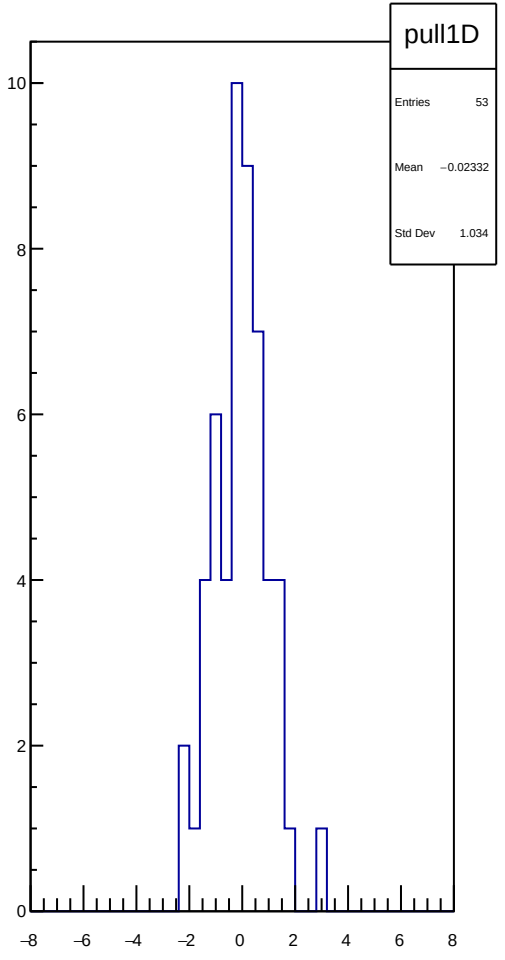

reg_asym_atr2_rms vs run
χ² / ndf 939.8 / 52
p0 460.3 ± 0.4439
500
490
480
470
460
450
440
430
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

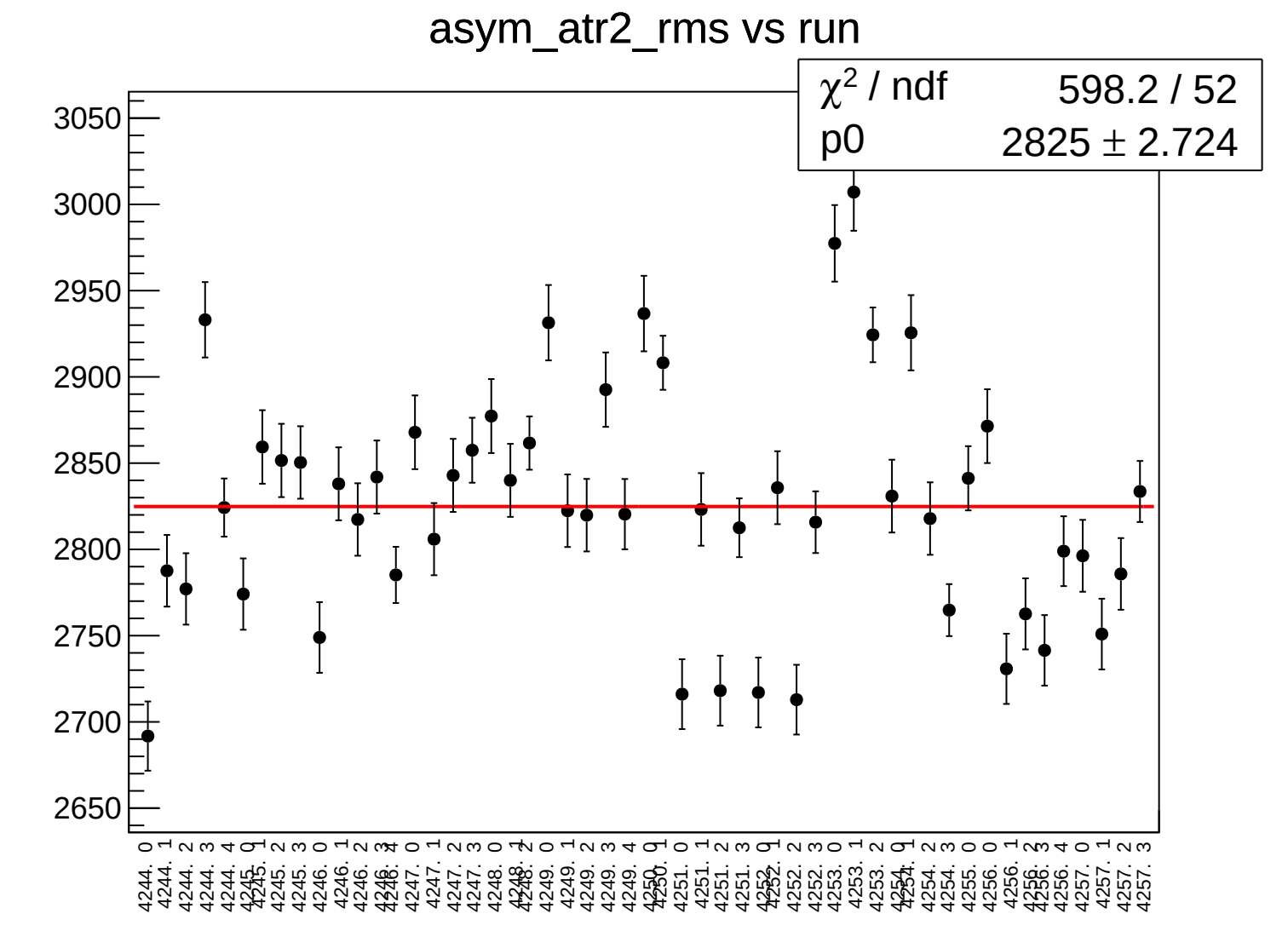

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 51.63 / 52
p0 −2261 ± 3800
100
50
0
−50
−100
pull
Entries 53
Mean −39.12
Std Dev 60.3
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean 0.02441
Std Dev 0.9867
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_correction_rms vs run
χ² / ndf 632.9 / 52
p0 2787 ± 2.687
3000
2950
2900
2850
2800
2750
2700
2650
2600
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_atr2_mean vs run
χ² / ndf 56.73 / 52
p0 1731 ± 3852
×10³
150
100
50
0
−50
−100
pull
Entries 53
Mean −26.99
Std Dev 48.9
3
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.02332
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_rms vs run
χ² / ndf 598.2 / 52
p0 2825 ± 2.724
3050
3000
2950
2900
2850
2800
2750
2700
2650
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
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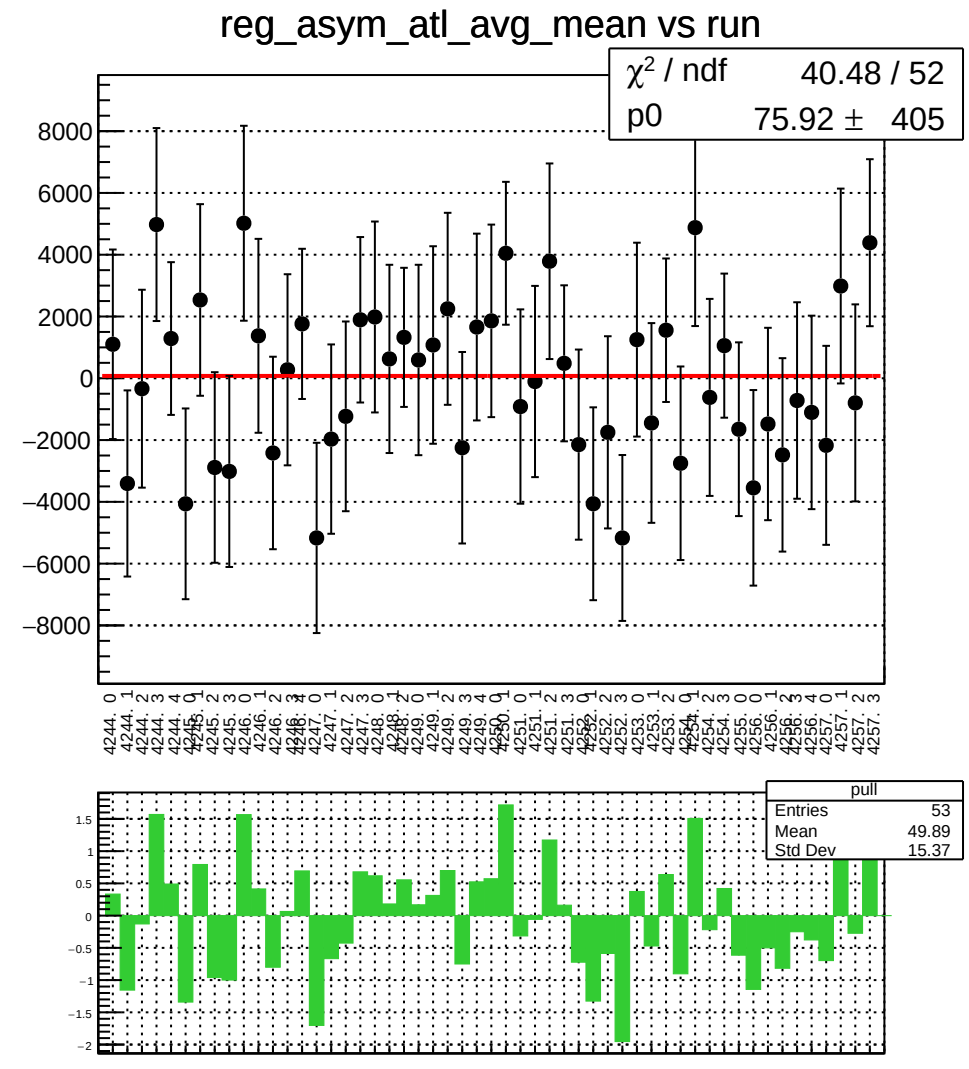
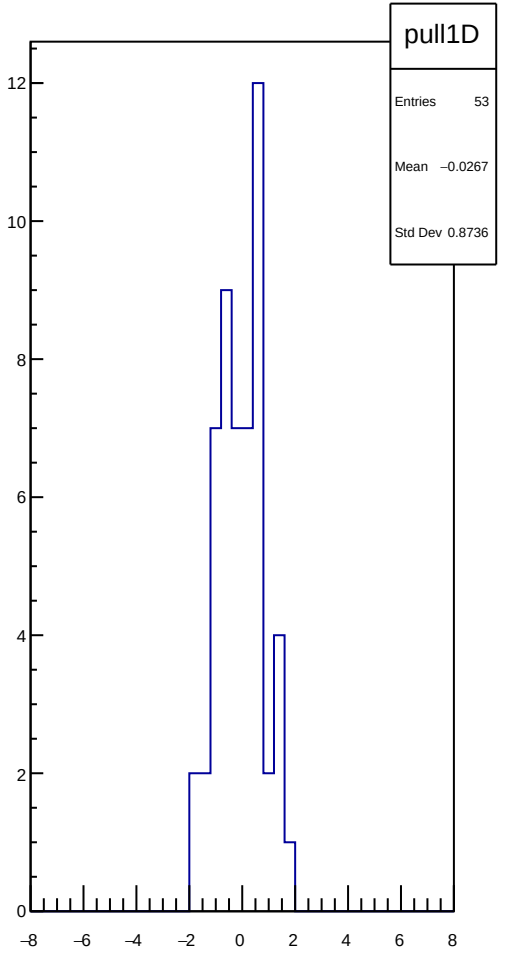
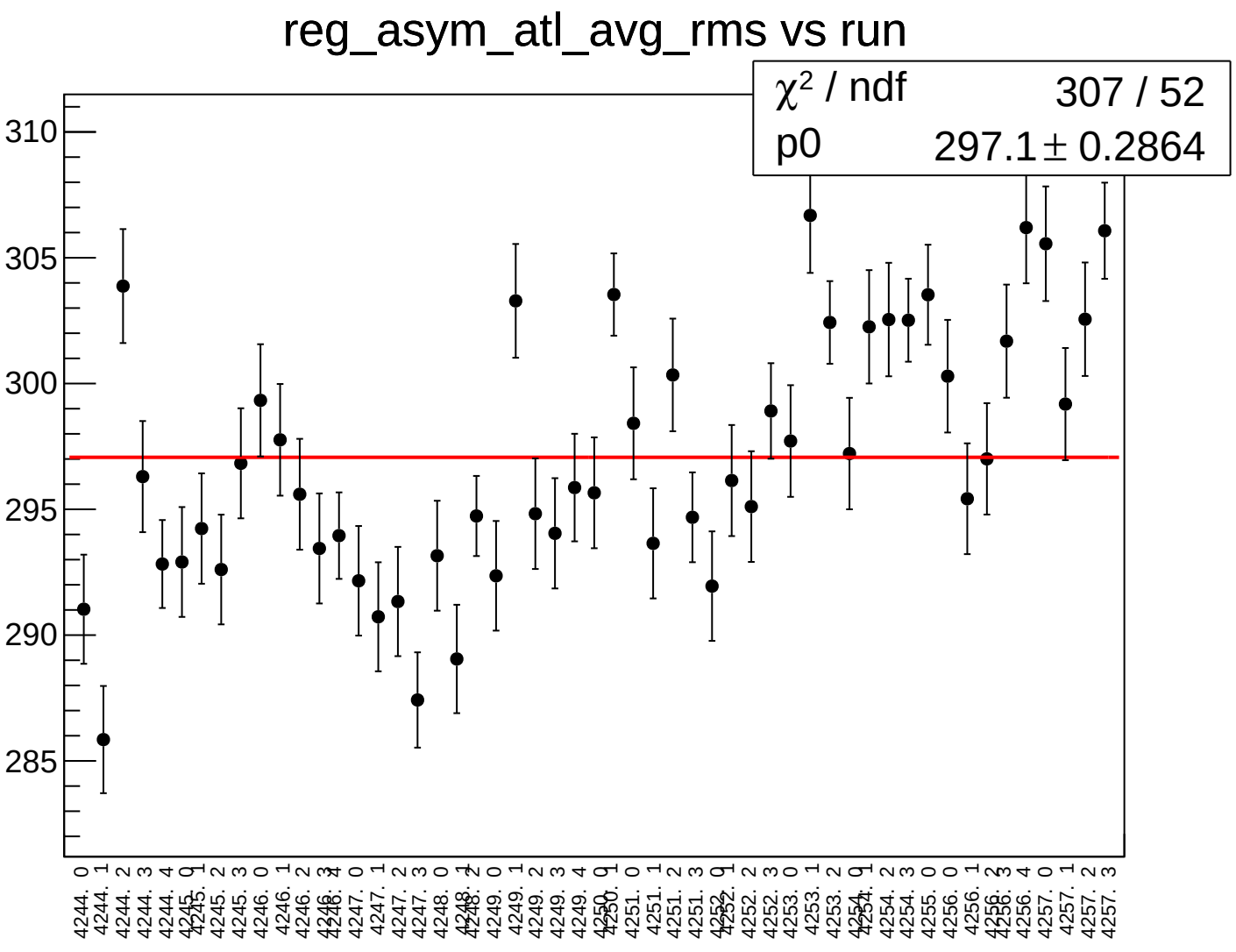
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


reg_asym_atl_avg_mean vs run
χ² / ndf 40.48 / 52
p0 75.92 ± 405
pull
Entries 53
Mean 49.89
Std Dev 15.37


pull1D
Entries 53
Mean −0.0267
Std Dev 0.8736


reg_asym_atl_avg_rms vs run
χ² / ndf 307 / 52
p0 297.1 ± 0.2864
310
305
300
295
290
285
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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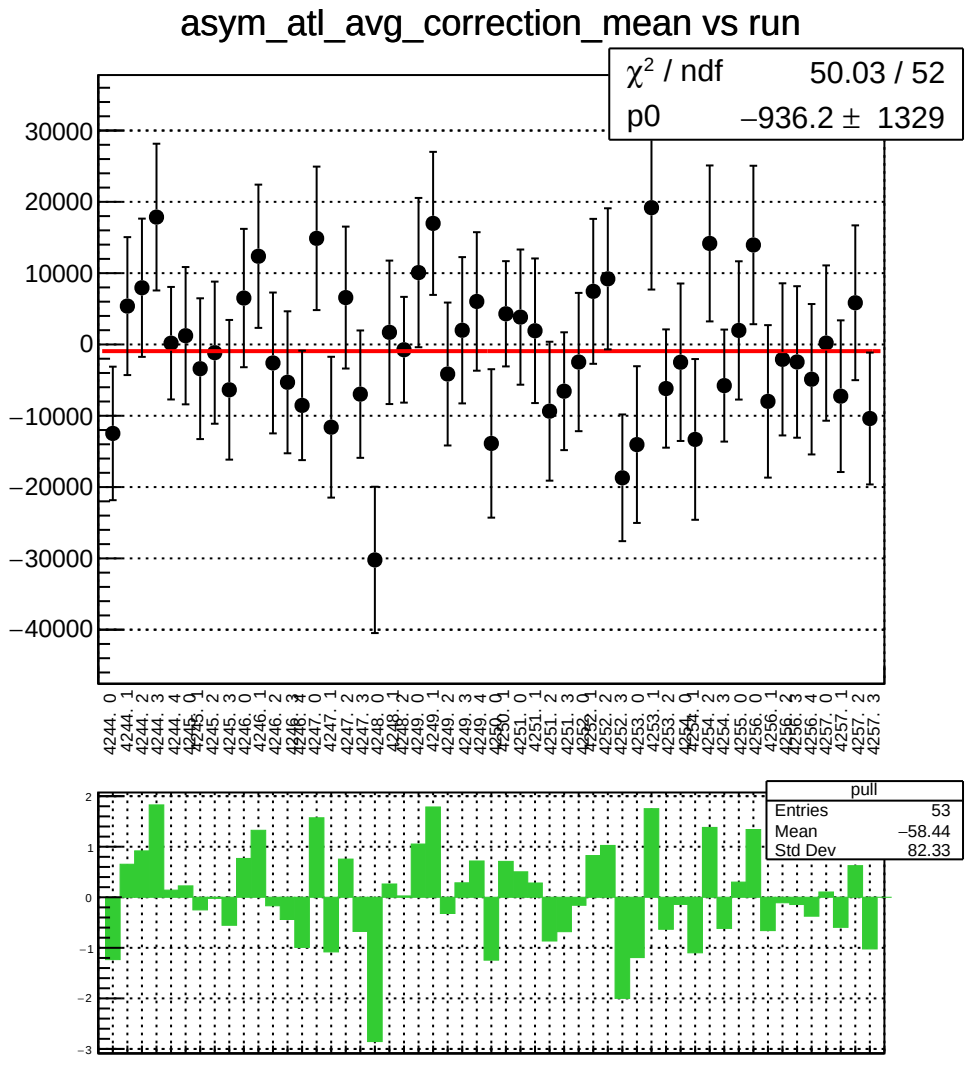
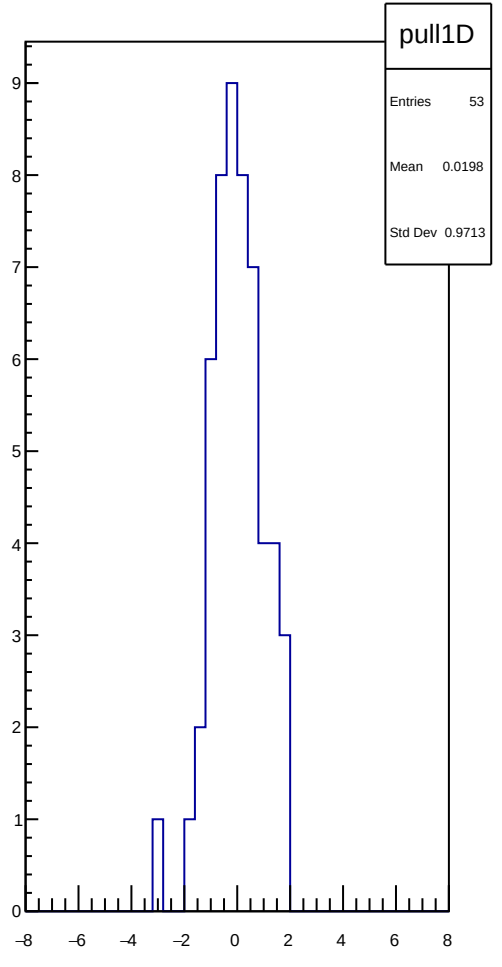
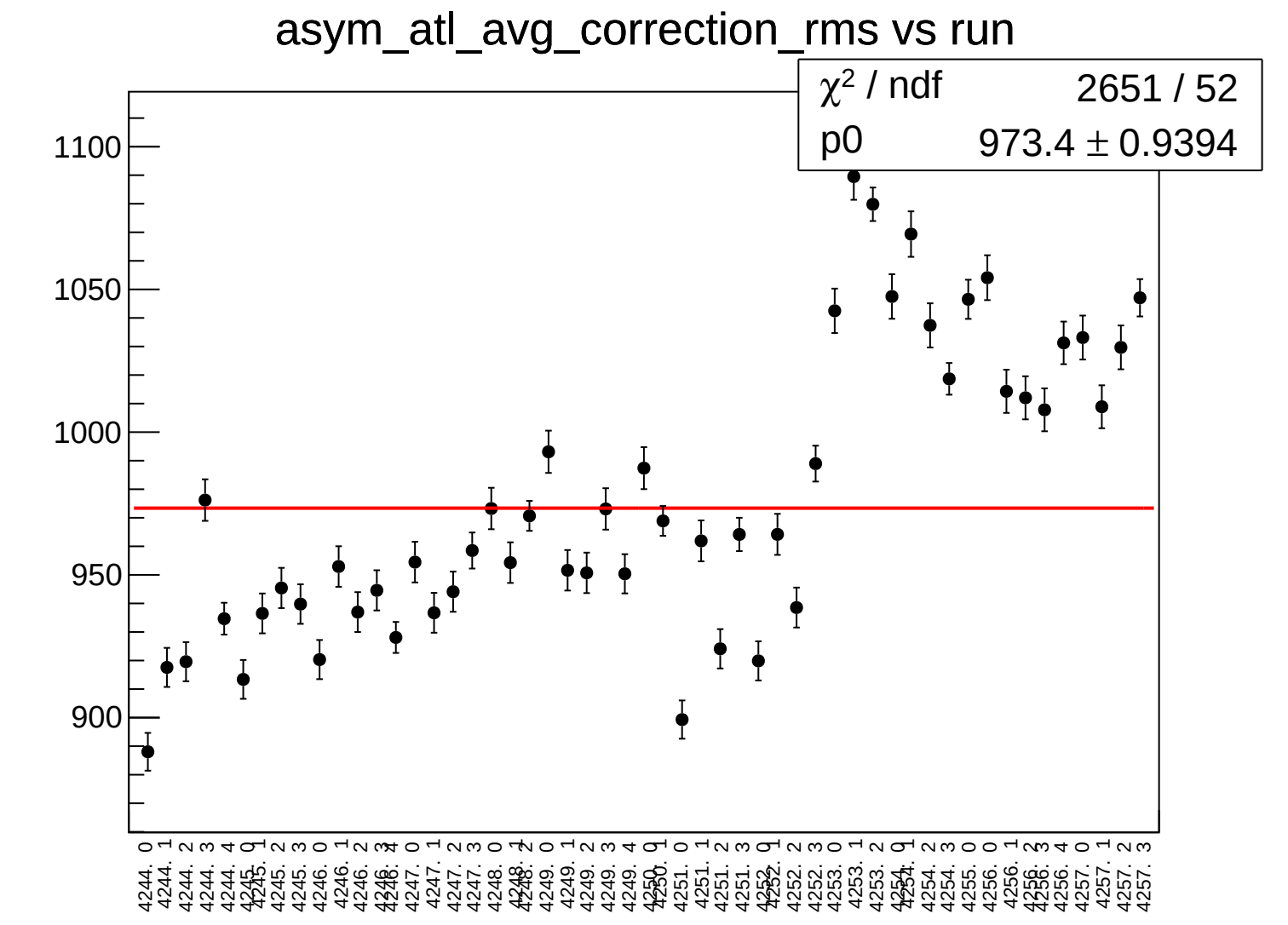
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_atl_avg_correction_mean vs run
χ² / ndf 50.03 / 52
p0 −936.2 ± 1329
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 53
Mean −58.44
Std Dev 82.33
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean 0.0198
Std Dev 0.9713
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_correction_rms vs run
χ² / ndf 2651 / 52
p0 973.4 ± 0.9394
1100
1050
1000
950
900
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
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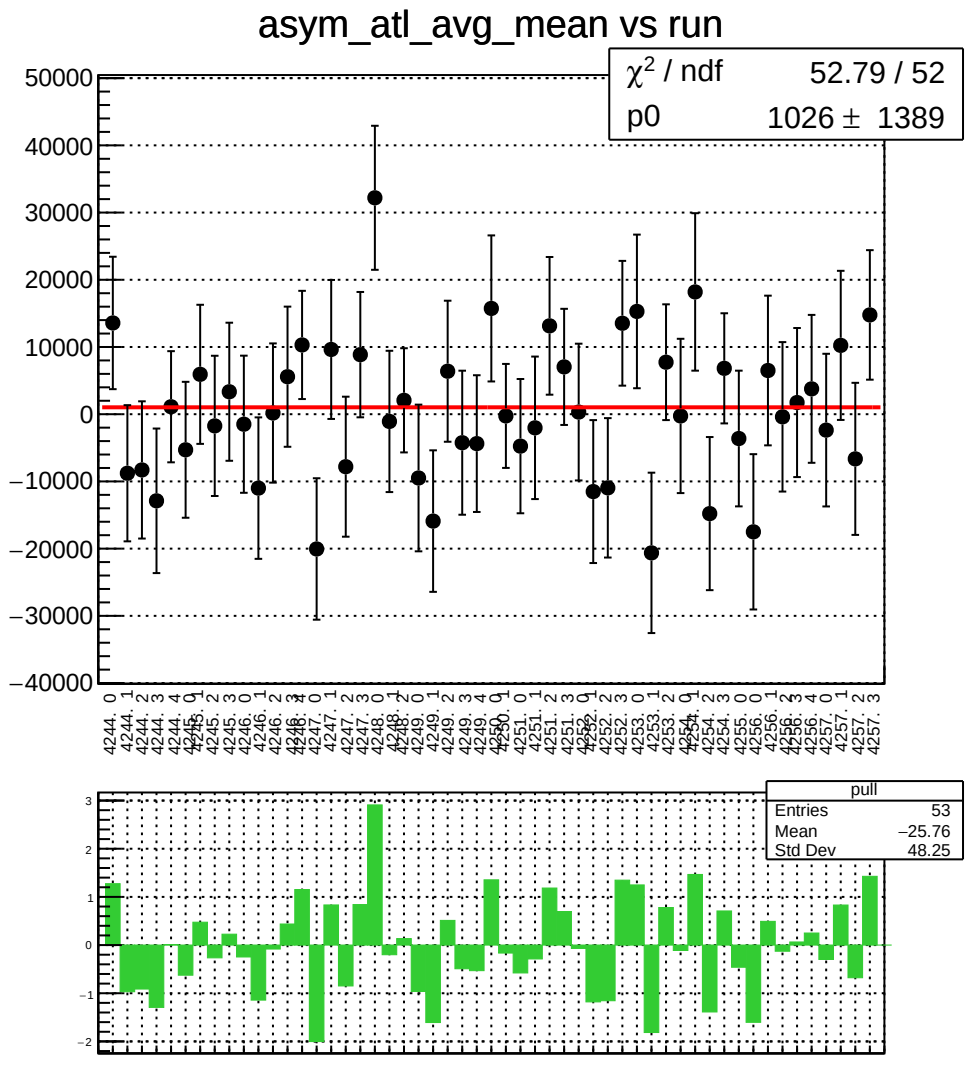
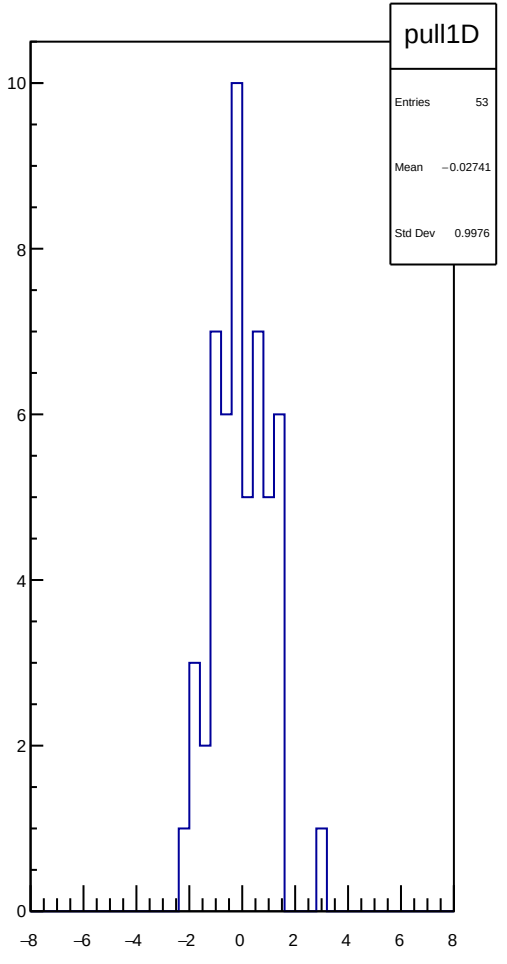
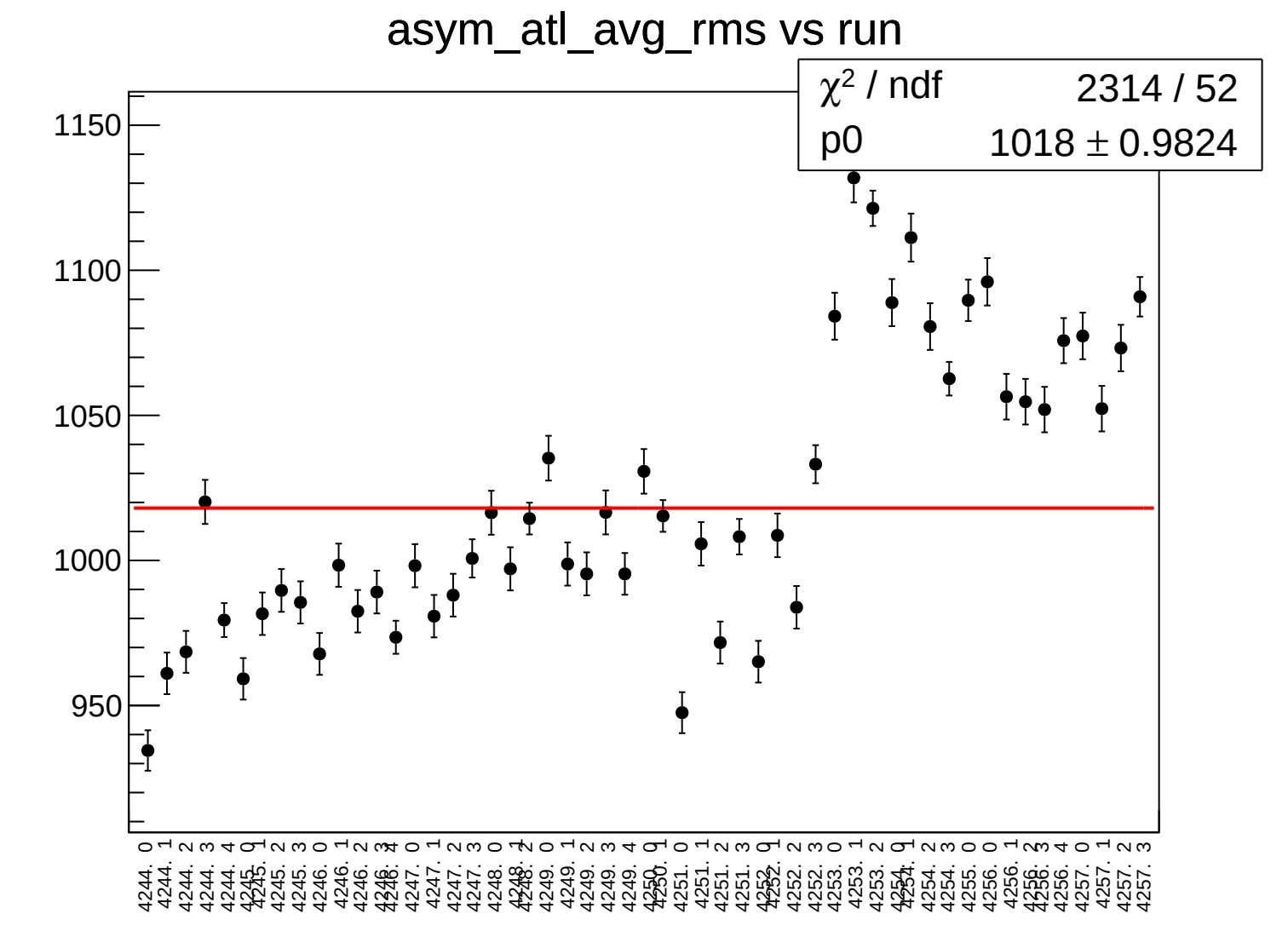
4257. 2
4257. 3


asym_atl_avg_mean vs run
χ² / ndf 52.79 / 52
p0 1026 ± 1389
pull
Entries 53
Mean −25.76
Std Dev 48.25


pull1D
Entries 53
Mean −0.02741
Std Dev 0.9976


asym_atl_avg_rms vs run
χ² / ndf 2314 / 52
p0 1018 ± 0.9824
1150
1100
1050
1000
950
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
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4255. 0
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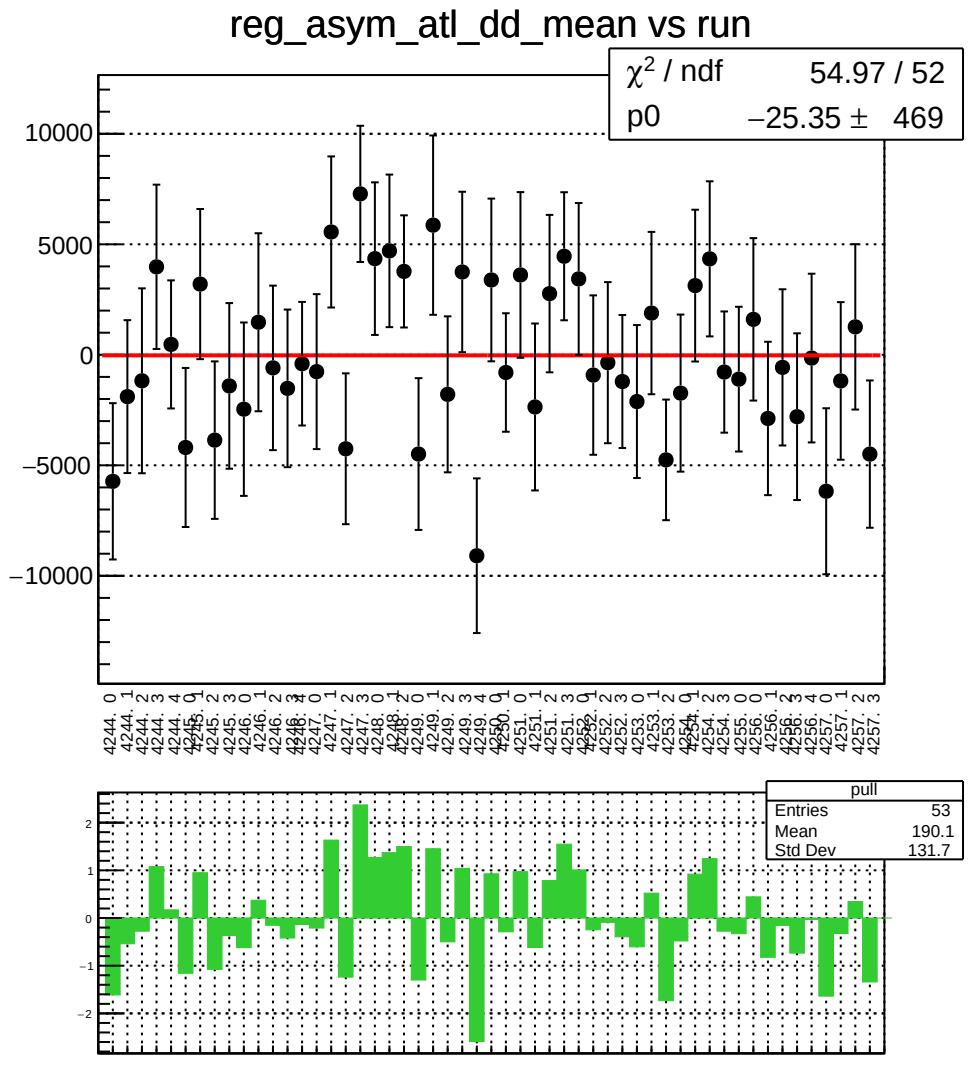
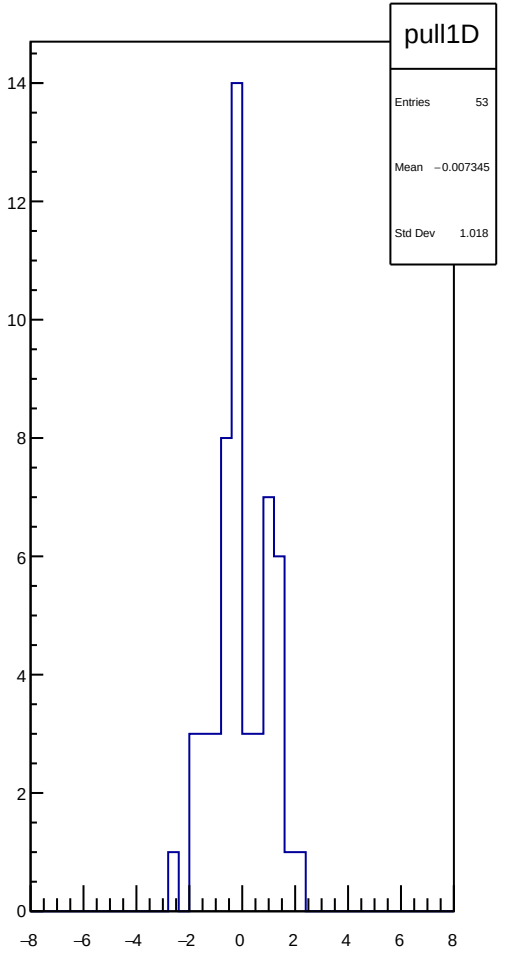
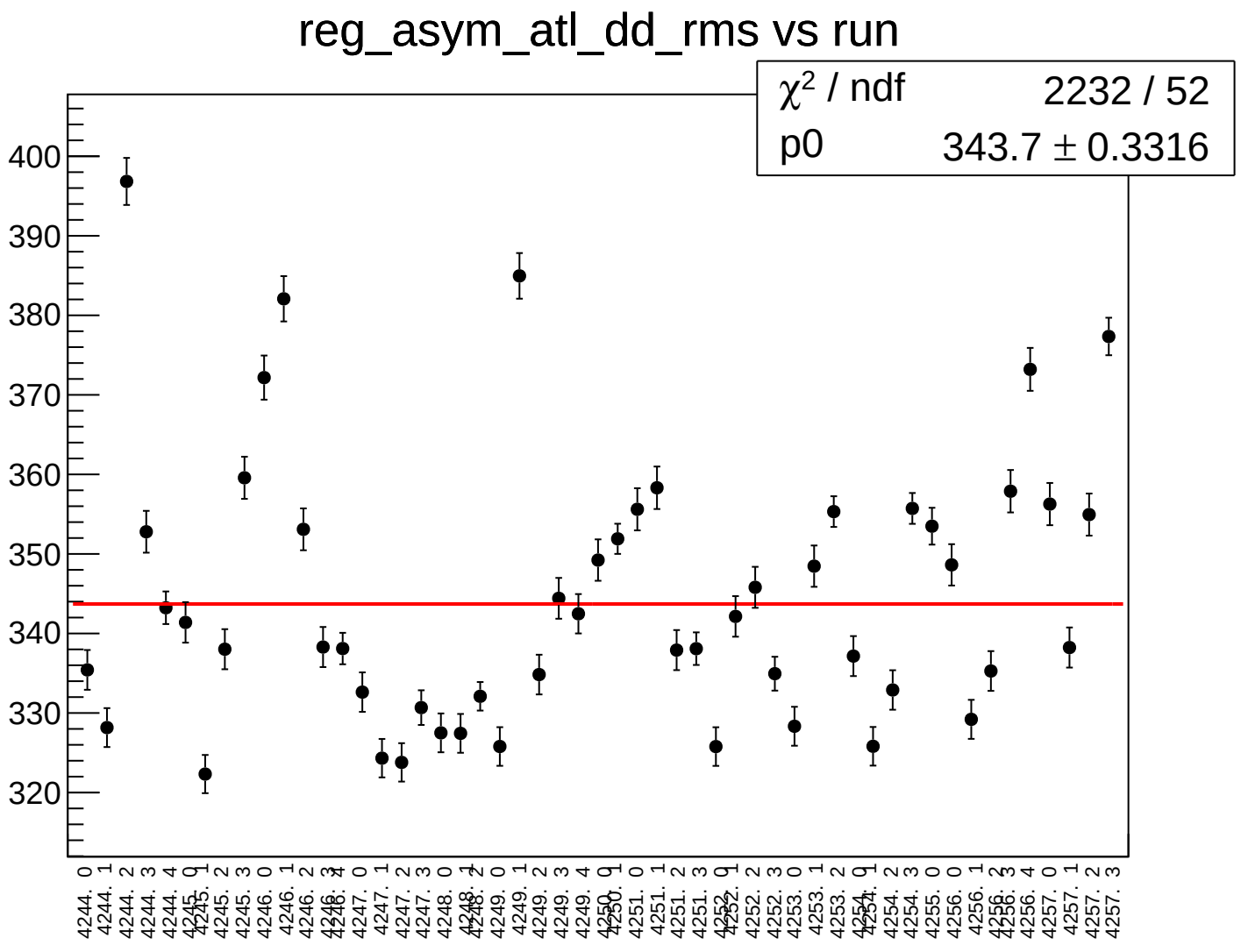
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


reg_asym_atl_dd_mean vs run
χ² / ndf 54.97 / 52
p0 −25.35 ± 469
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 190.1
Std Dev 131.7
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.007345
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_rms vs run
χ² / ndf 2232 / 52
p0 343.7 ± 0.3316
400
390
380
370
360
350
340
330
320
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
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4253. 1
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4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
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4256. 0
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4256. 2
4256. 3
4256. 4
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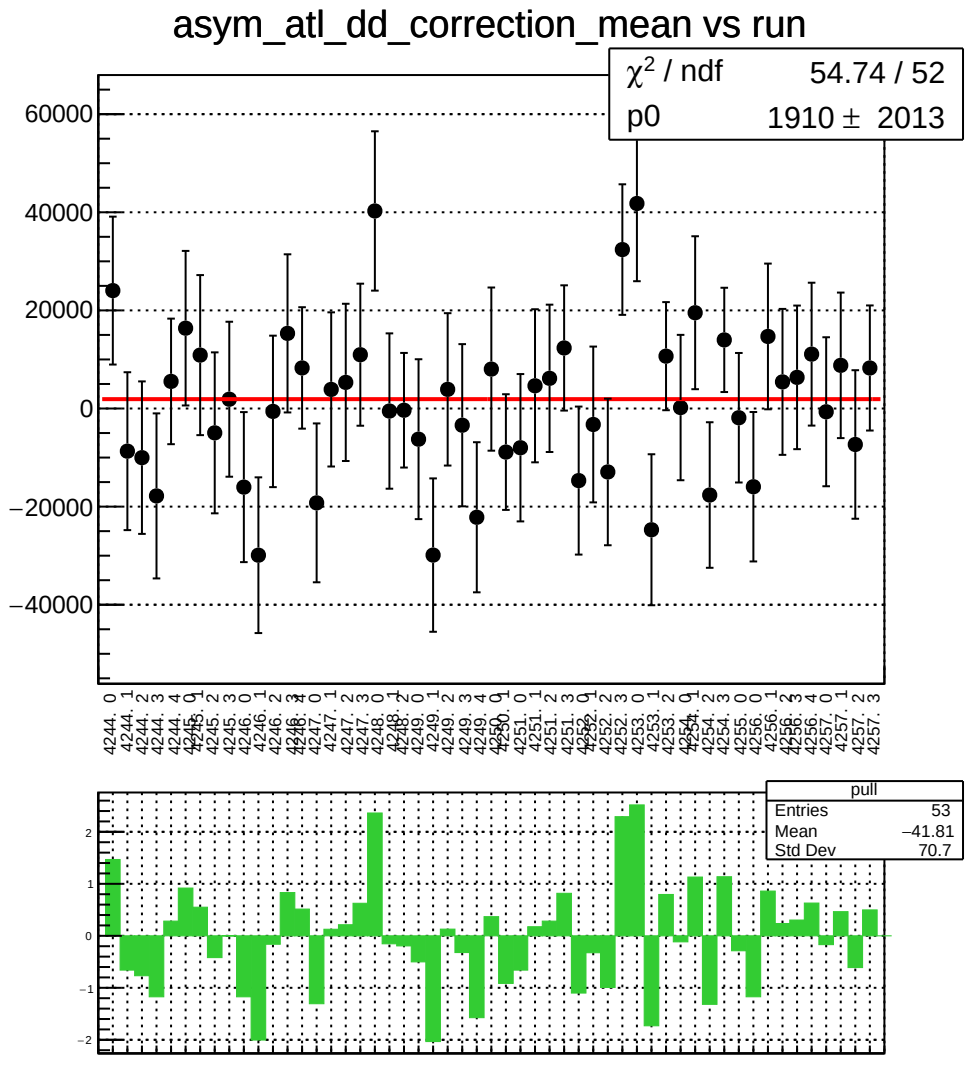
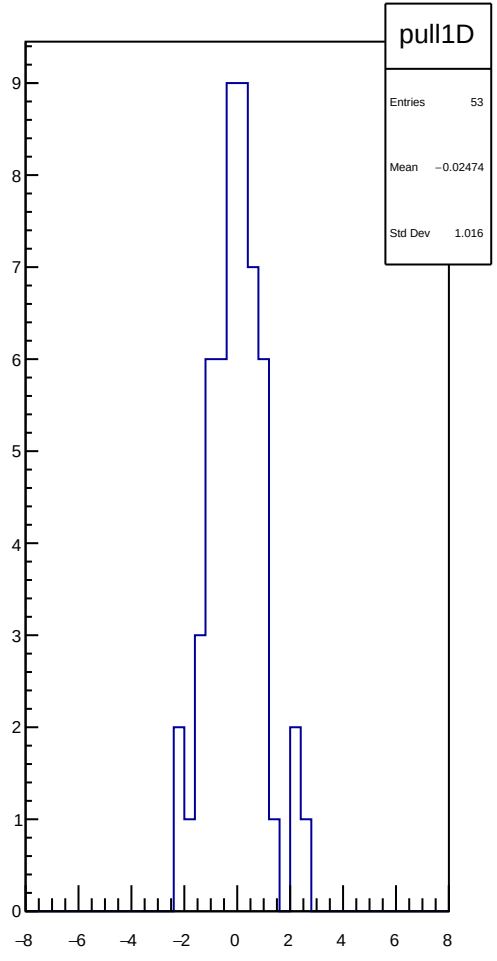
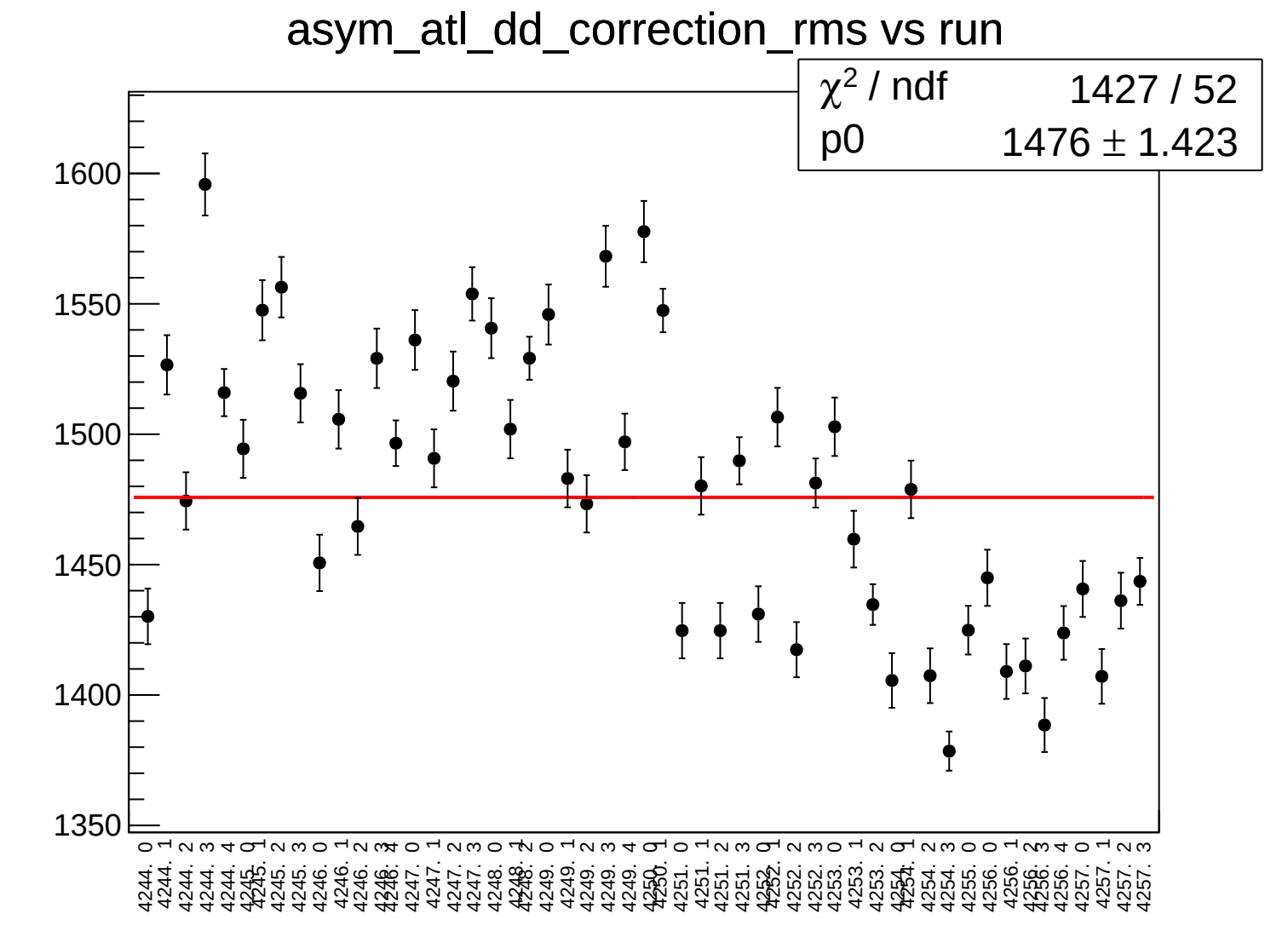
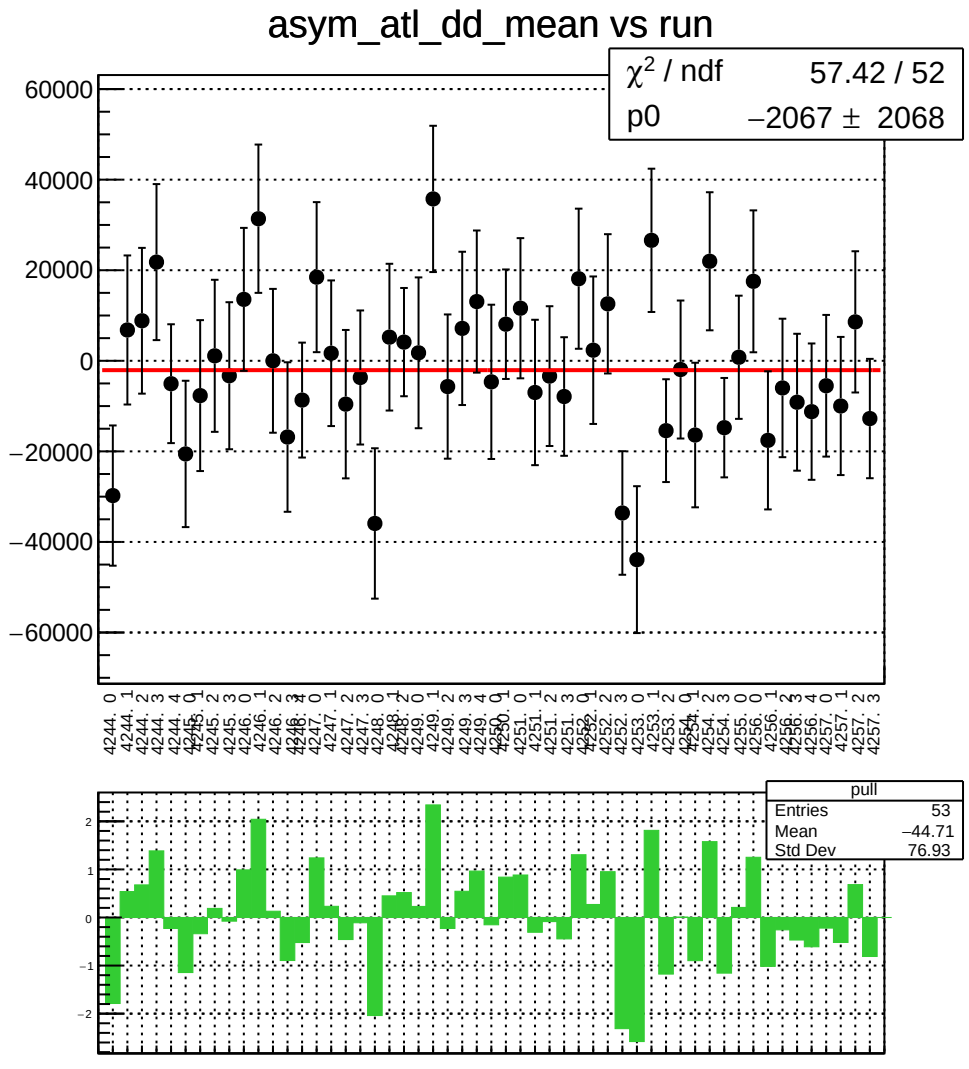
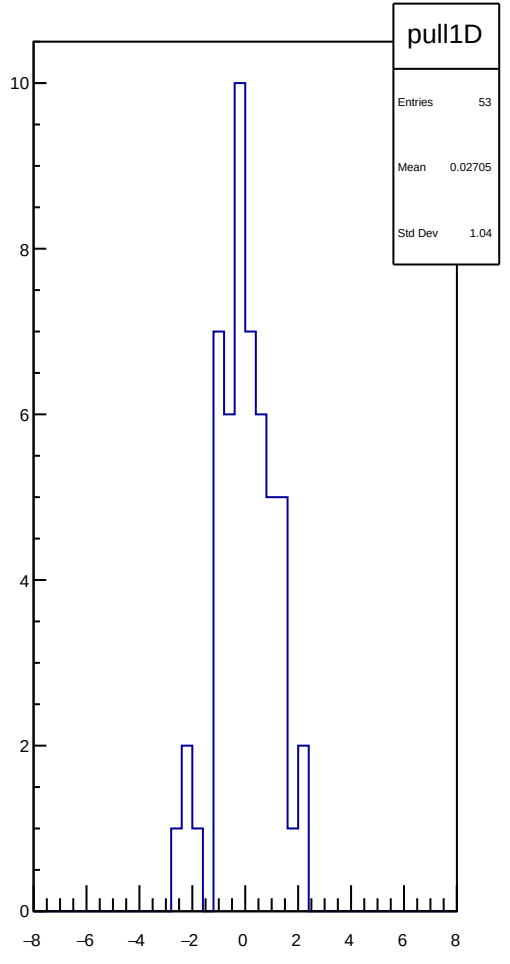
4257. 1
4257. 2
4257. 3

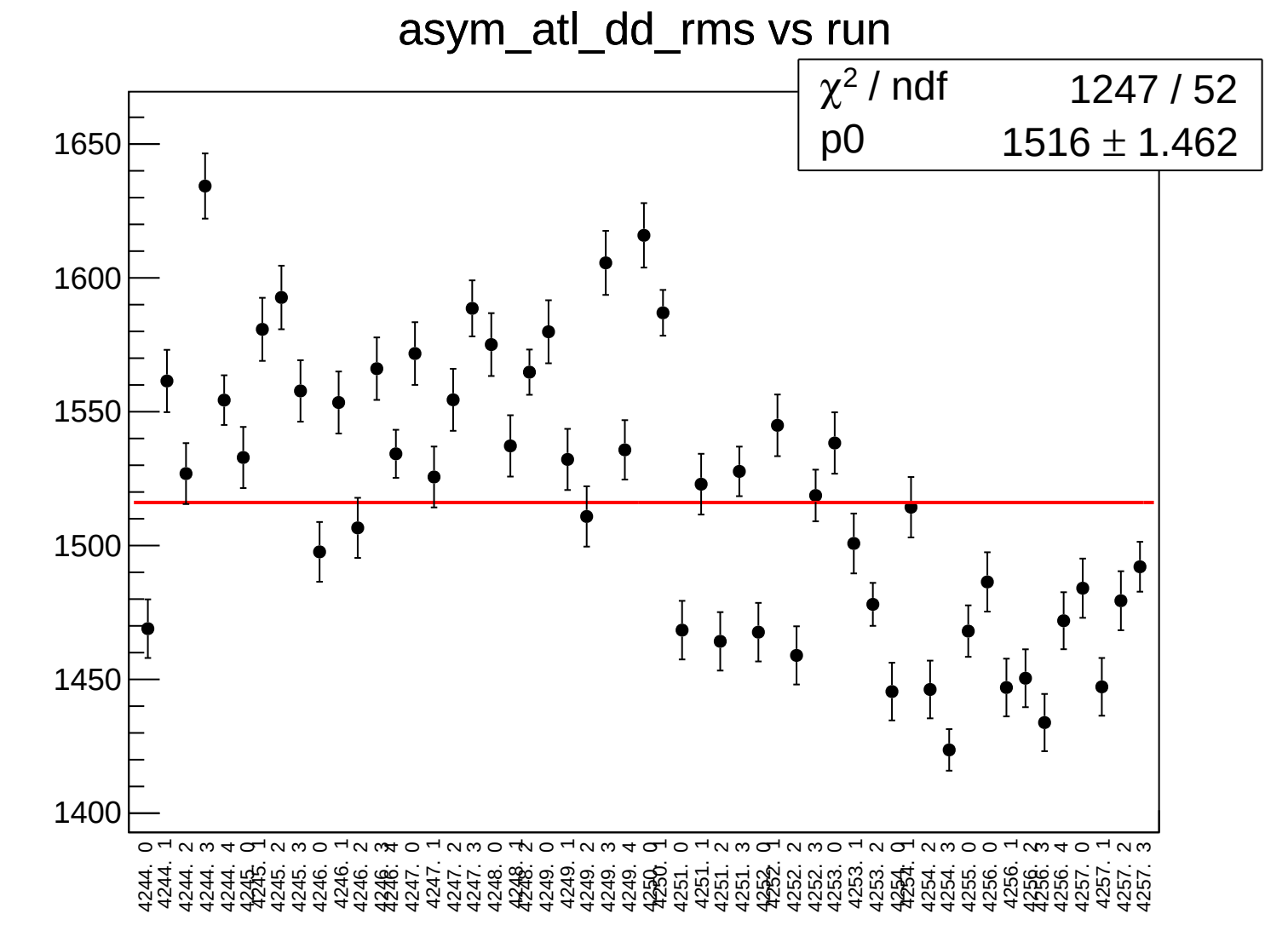

asym_atl_dd_correction_mean vs run
χ² / ndf 54.74 / 52
p0 1910 ± 2013
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −41.81
Std Dev 70.7
2
1
0
−1
−2

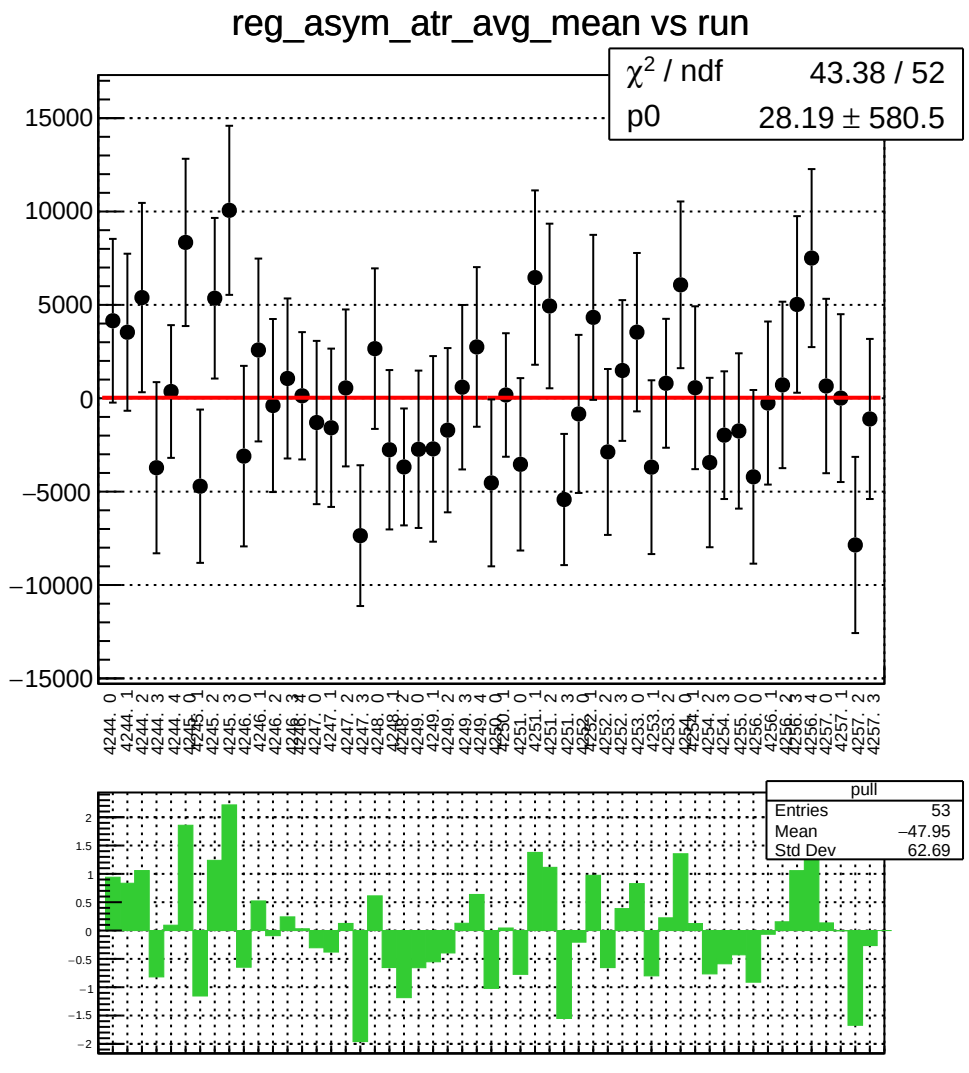

pull1D
Entries 53
Mean −0.02474
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

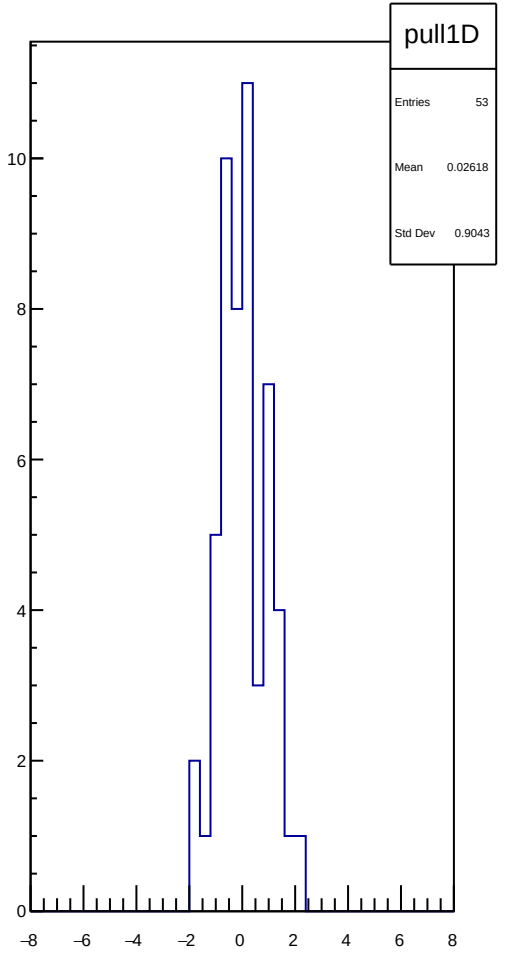

asym_atl_dd_correction_rms vs run
χ² / ndf 1427 / 52
p0 1476 ± 1.423
1600
1550
1500
1450
1400
1350
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

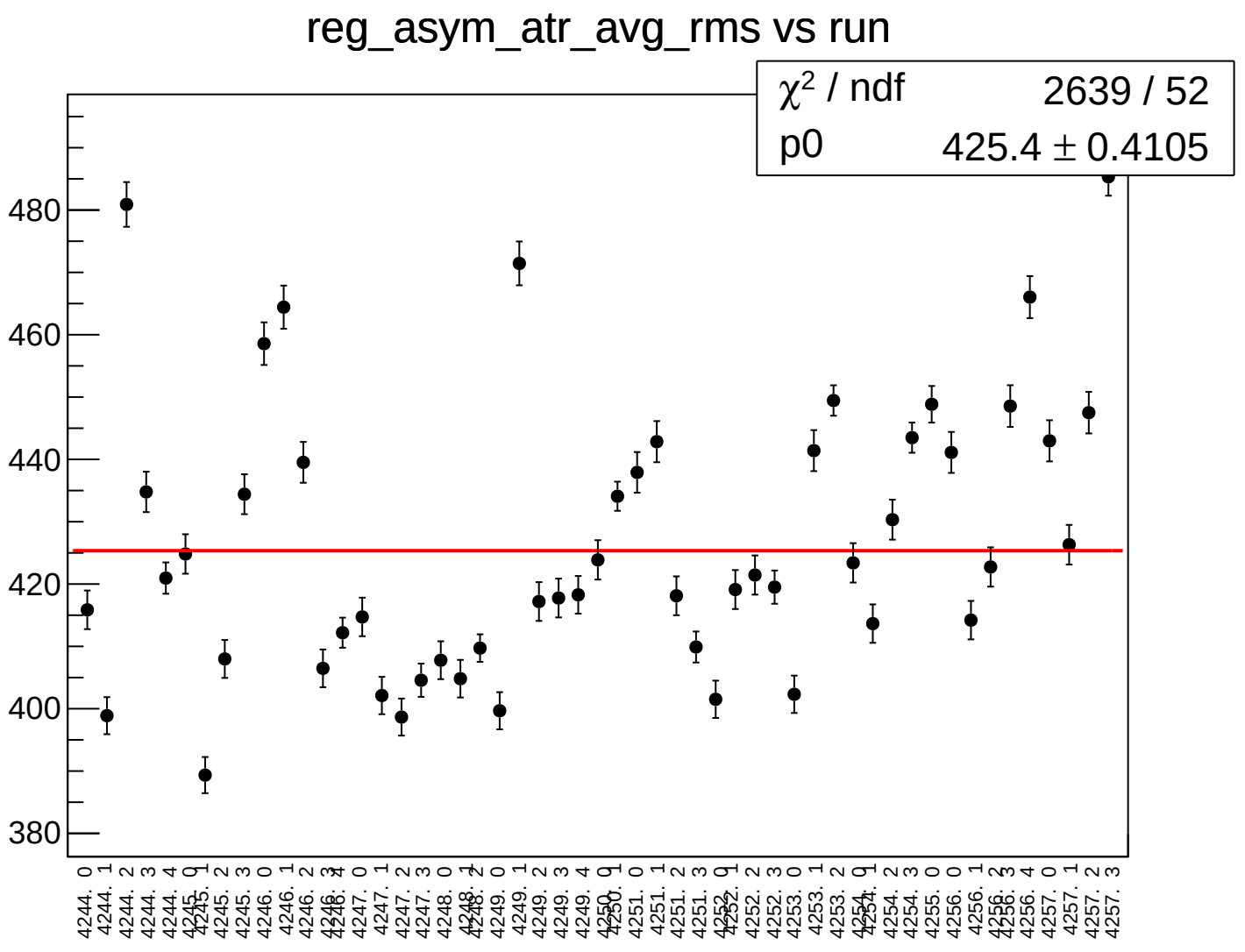

asym_atl_dd_mean vs run
χ² / ndf 57.42 / 52
p0 −2067 ± 2068
pull
Entries 53
Mean −44.71
Std Dev 76.93

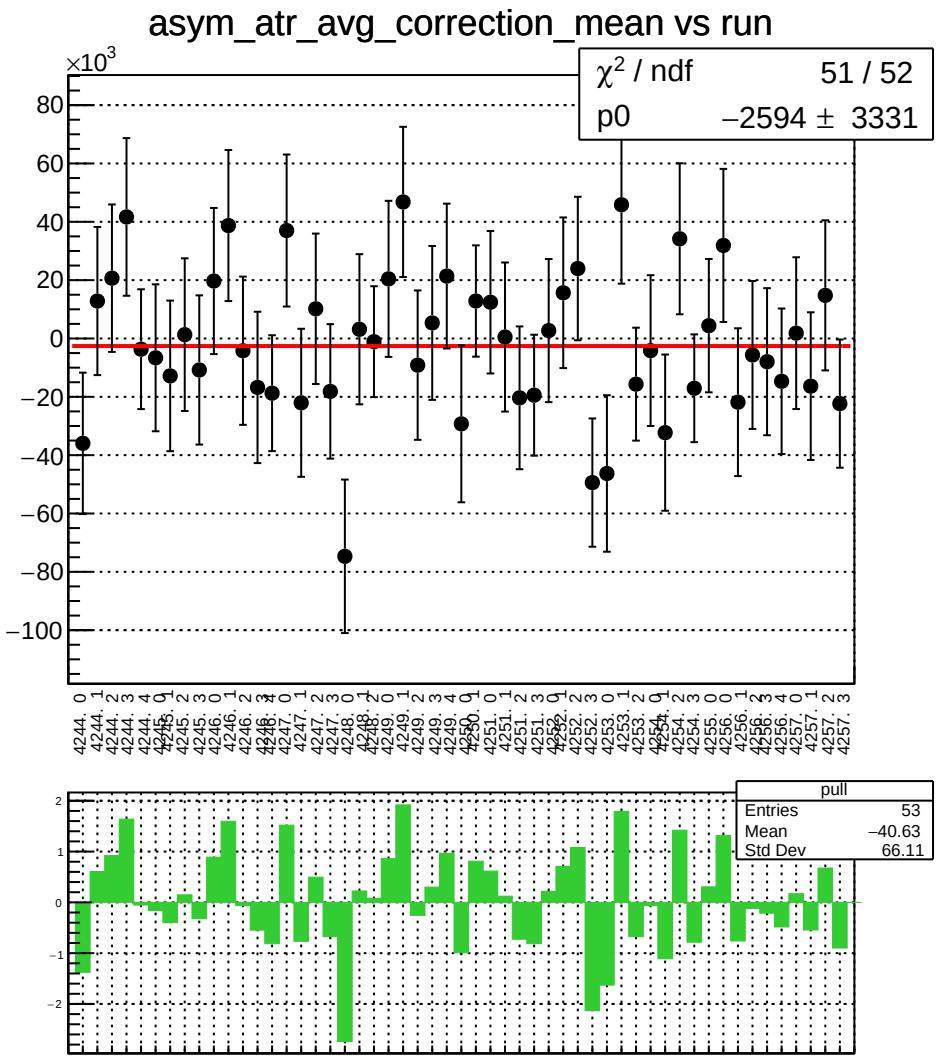

pull1D
Entries 53
Mean 0.02705
Std Dev 1.04

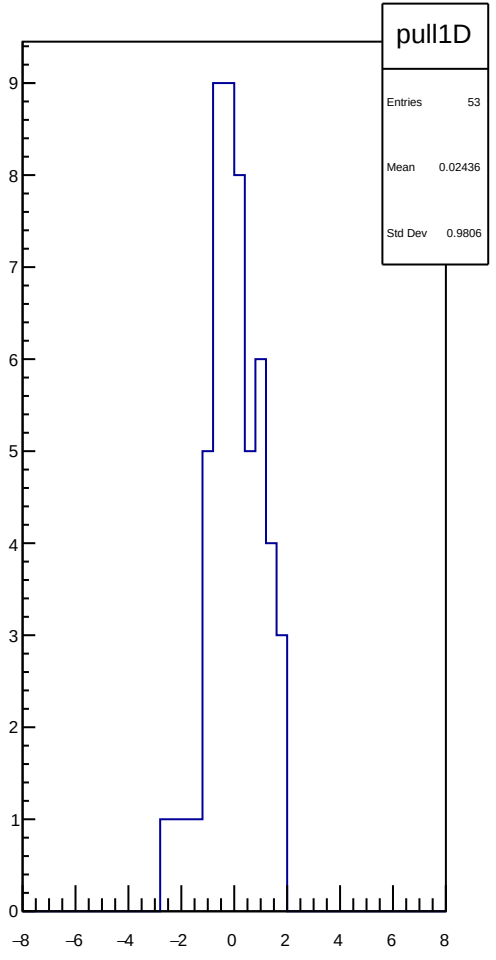

asym_atl_dd_rms vs run
χ² / ndf 1247 / 52
p0 1516 ± 1.462
1650
1600
1550
1500
1450
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

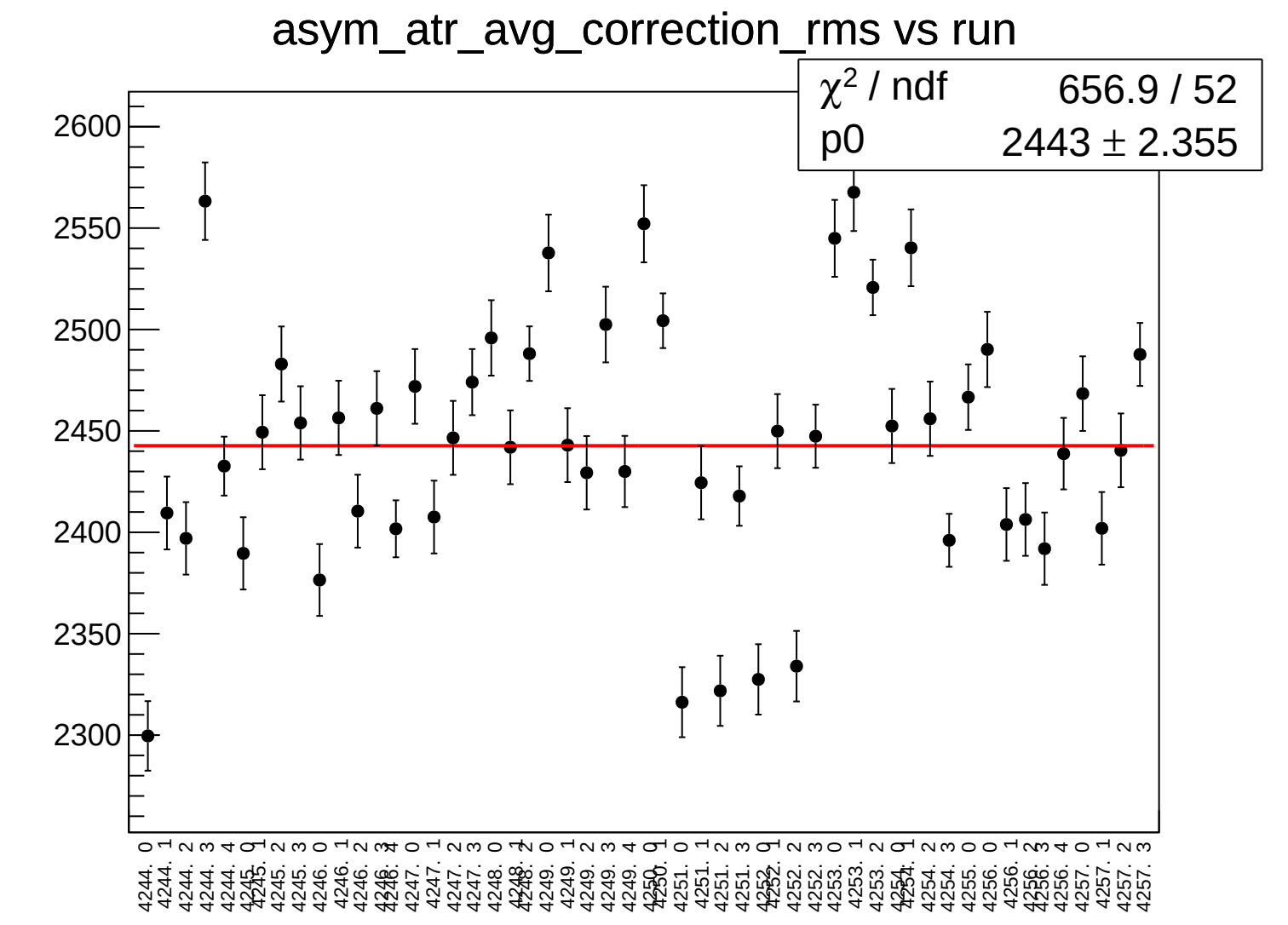

reg_asym_atr_avg_mean vs run
χ² / ndf 43.38 / 52
p0 28.19 ± 580.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −47.95
Std Dev 62.69
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

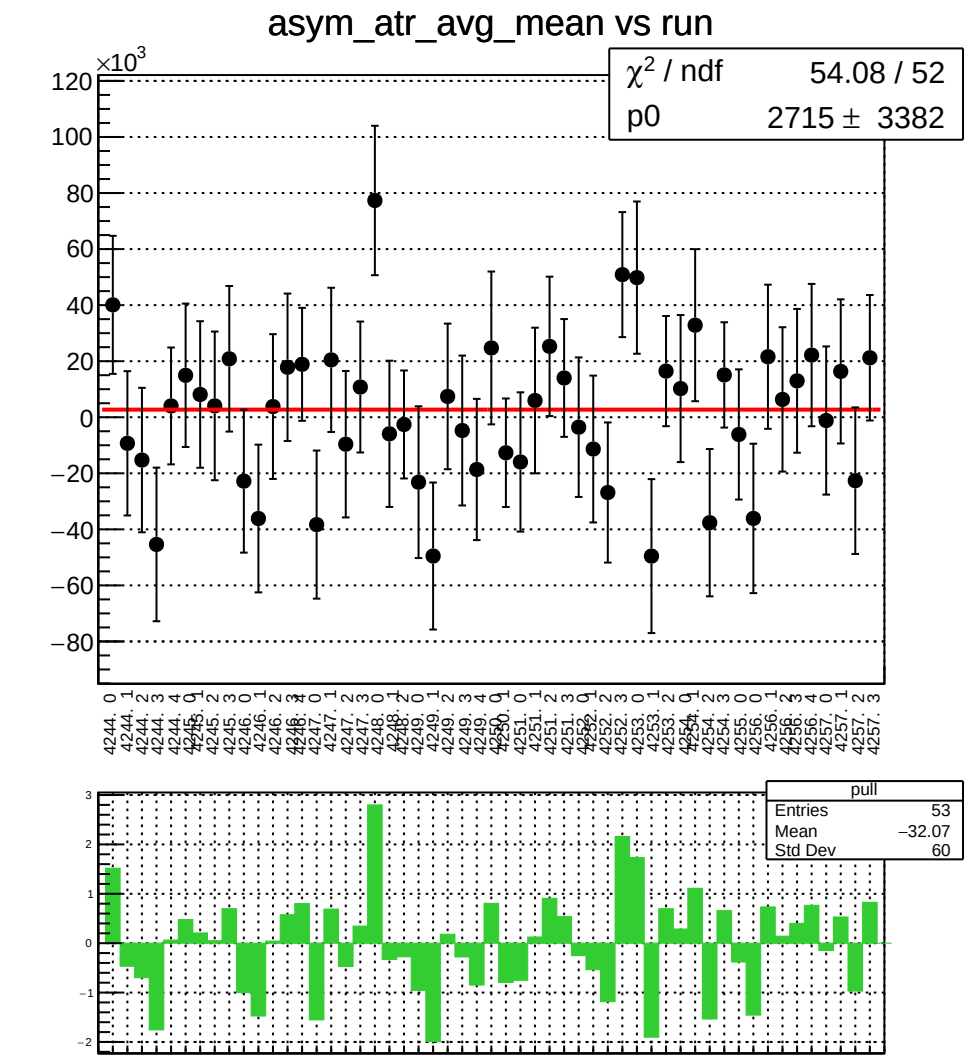

pull1D
Entries 53
Mean 0.02618
Std Dev 0.9043
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

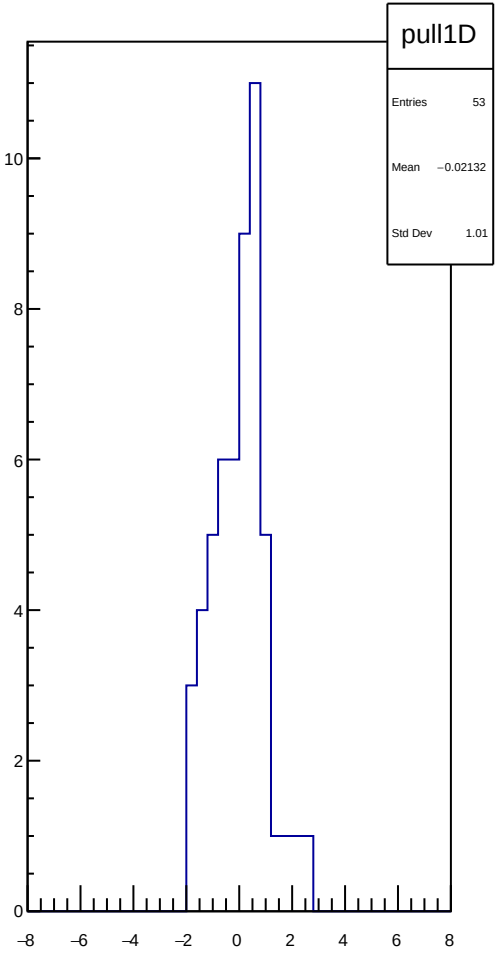

reg_asym_atr_avg_rms vs run
χ² / ndf 2639 / 52
p0 425.4 ± 0.4105
480
460
440
420
400
380
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

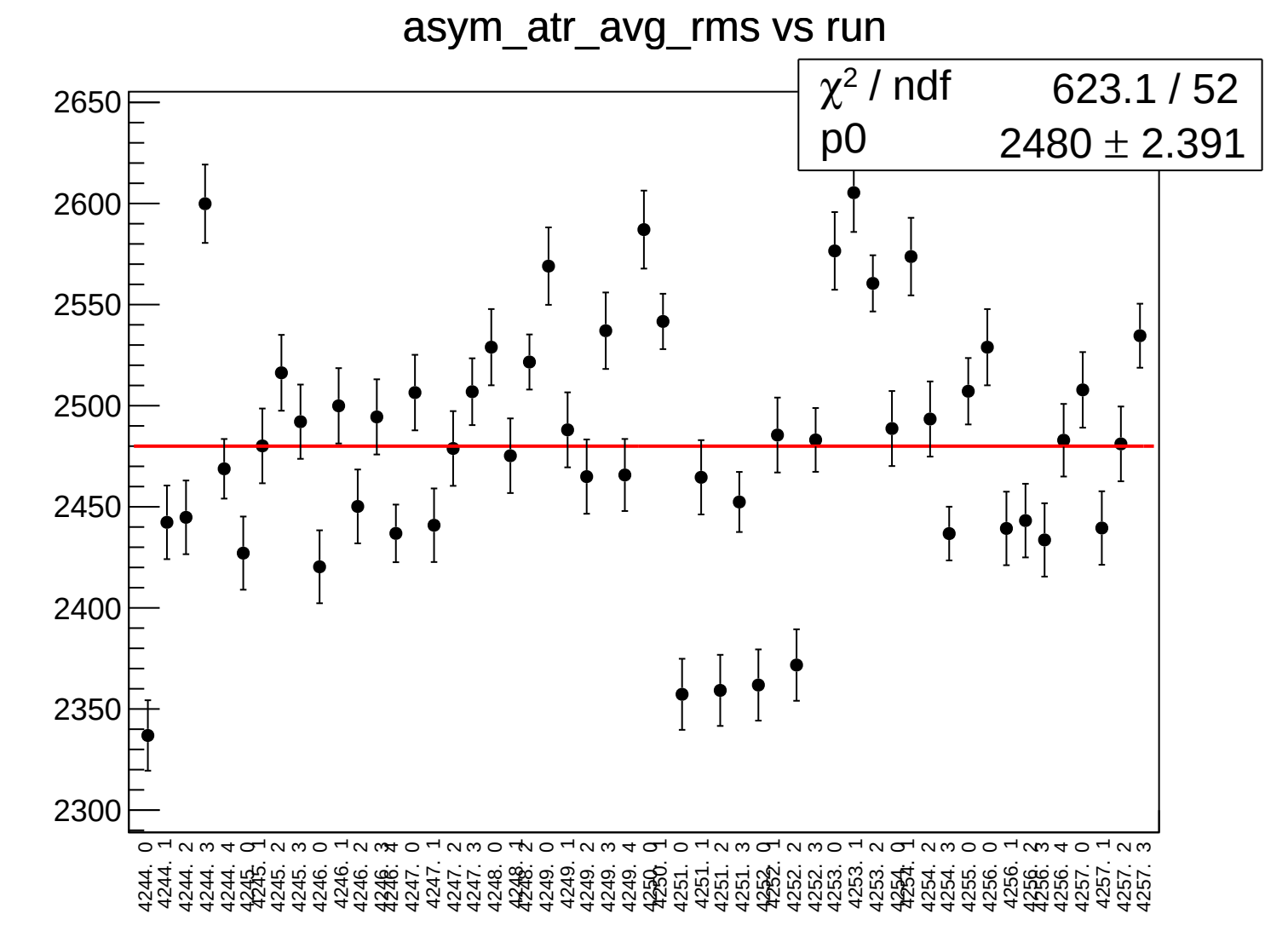

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 51 / 52
p0 −2594 ± 3331
pull
Entries 53
Mean −40.63
Std Dev 66.11

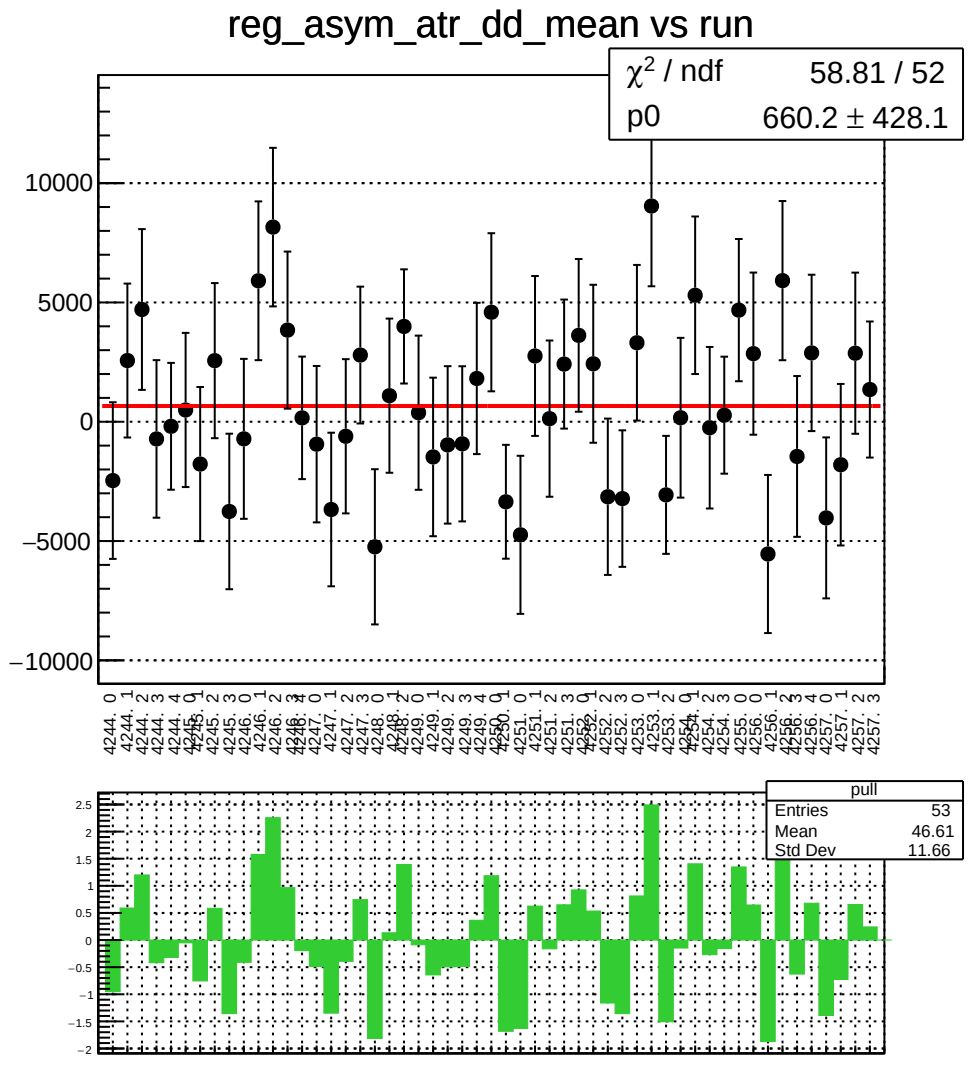

pull1D
Entries 53
Mean 0.02436
Std Dev 0.9806

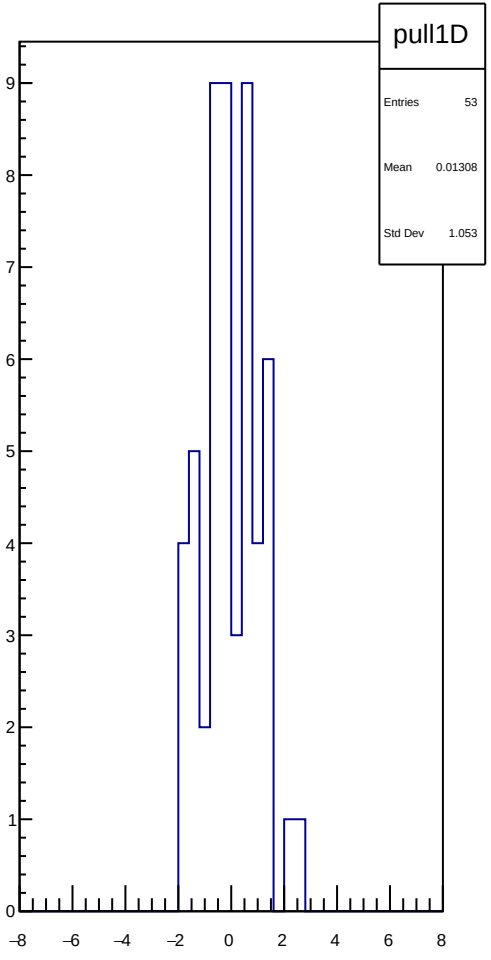

asym_atr_avg_correction_rms vs run
χ² / ndf 656.9 / 52
p0 2443 ± 2.355
2600
2550
2500
2450
2400
2350
2300
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

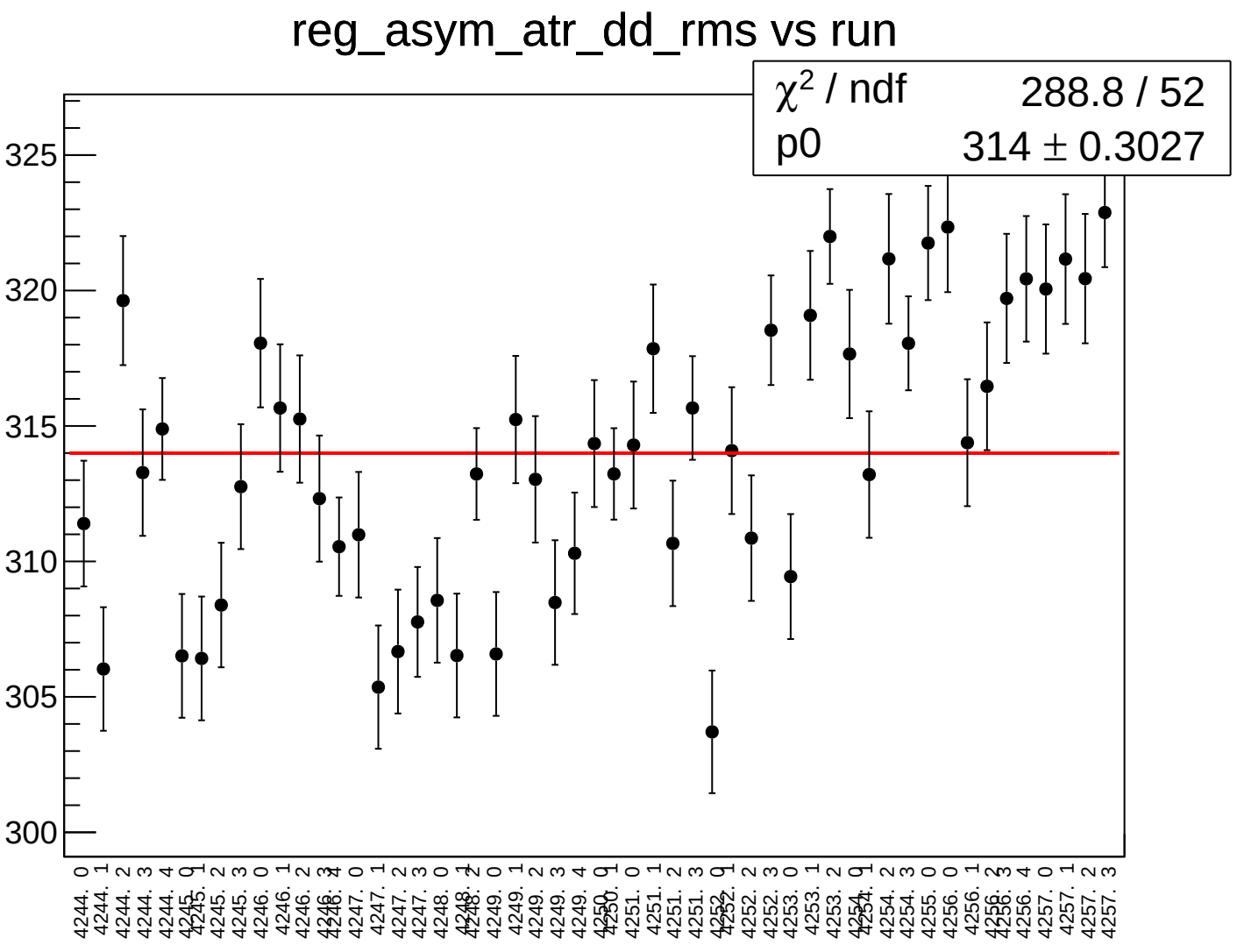

asym_atr_avg_mean vs run
×10^3
χ² / ndf 54.08 / 52
p0 2715 ± 3382
pull
Entries 53
Mean −32.07
Std Dev 60

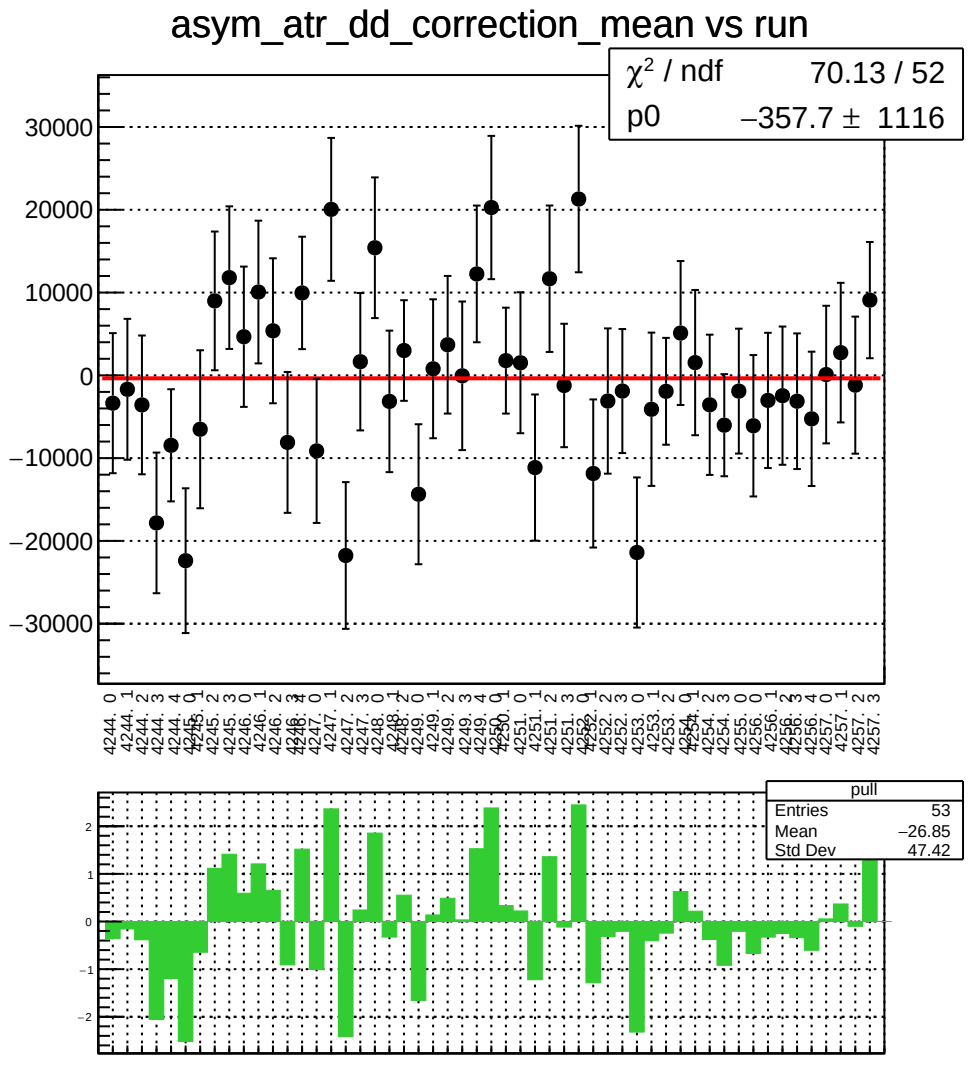

pull1D
Entries 53
Mean −0.02132
Std Dev 1.01

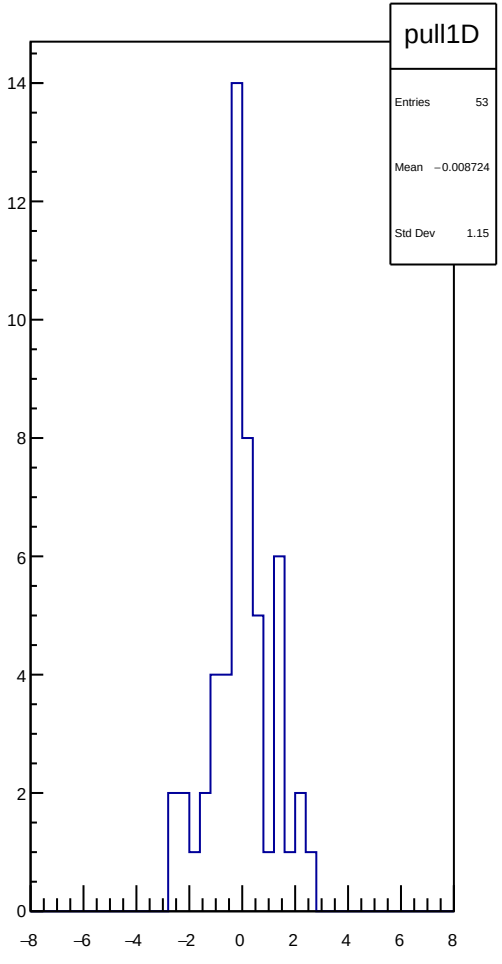

asym_atr_avg_rms vs run
χ² / ndf 623.1 / 52
p0 2480 ± 2.391
2650
2600
2550
2500
2450
2400
2350
2300
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

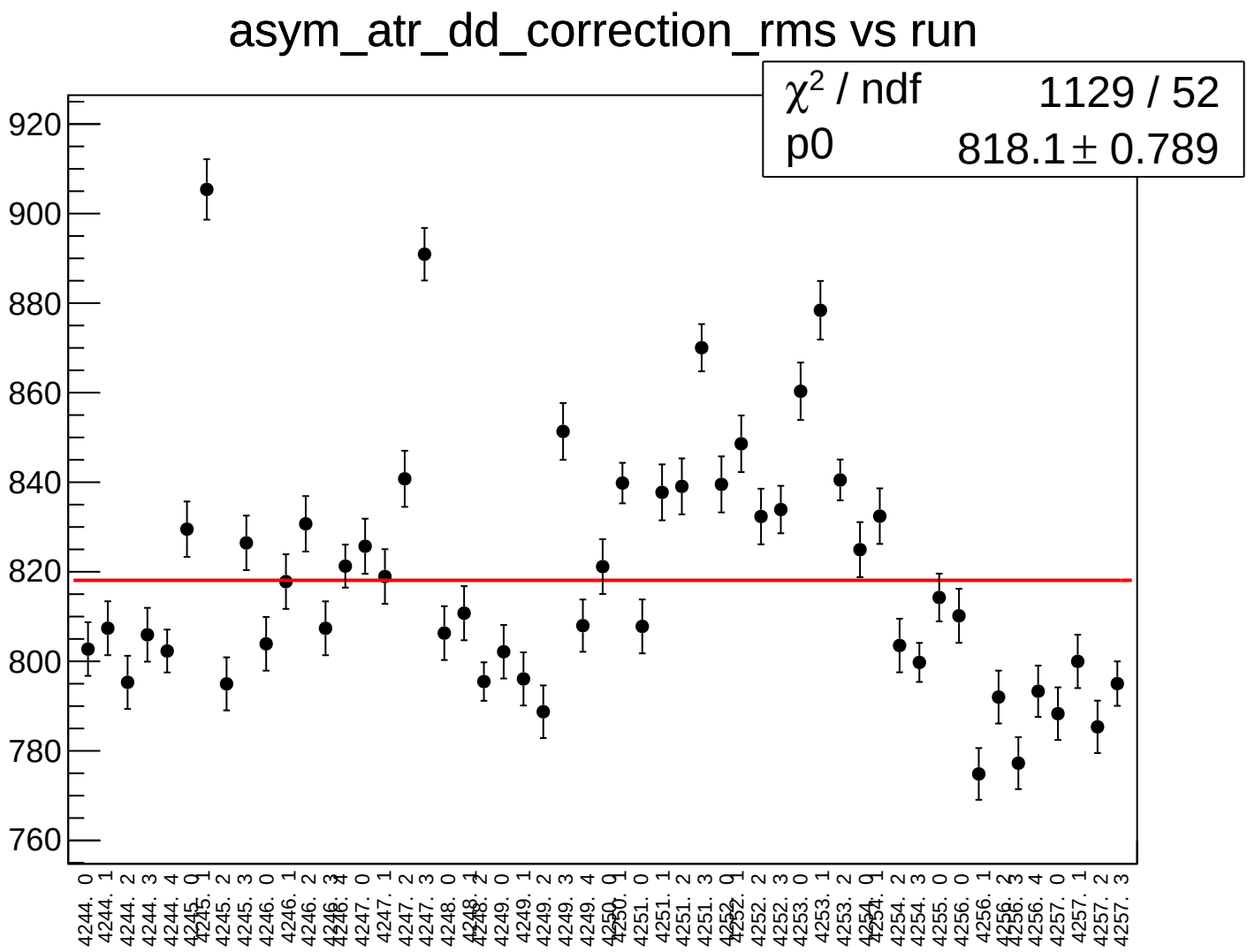

reg_asym_atr_dd_mean vs run
χ² / ndf 58.81 / 52
p0 660.2 ± 428.1
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 46.61
Std Dev 11.66
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean 0.01308
Std Dev 1.053
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr_dd_rms vs run
χ² / ndf 288.8 / 52
p0 314 ± 0.3027
325
320
315
310
305
300
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_atr_dd_correction_mean vs run
χ² / ndf 70.13 / 52
p0 −357.7 ± 1116
pull
Entries 53
Mean −26.85
Std Dev 47.42


pull1D
Entries 53
Mean −0.008724
Std Dev 1.15


asym_atr_dd_correction_rms vs run
χ² / ndf 1129 / 52
p0 818.1 ± 0.789
920
900
880
860
840
820
800
780
760
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
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4252. 2
4252. 3
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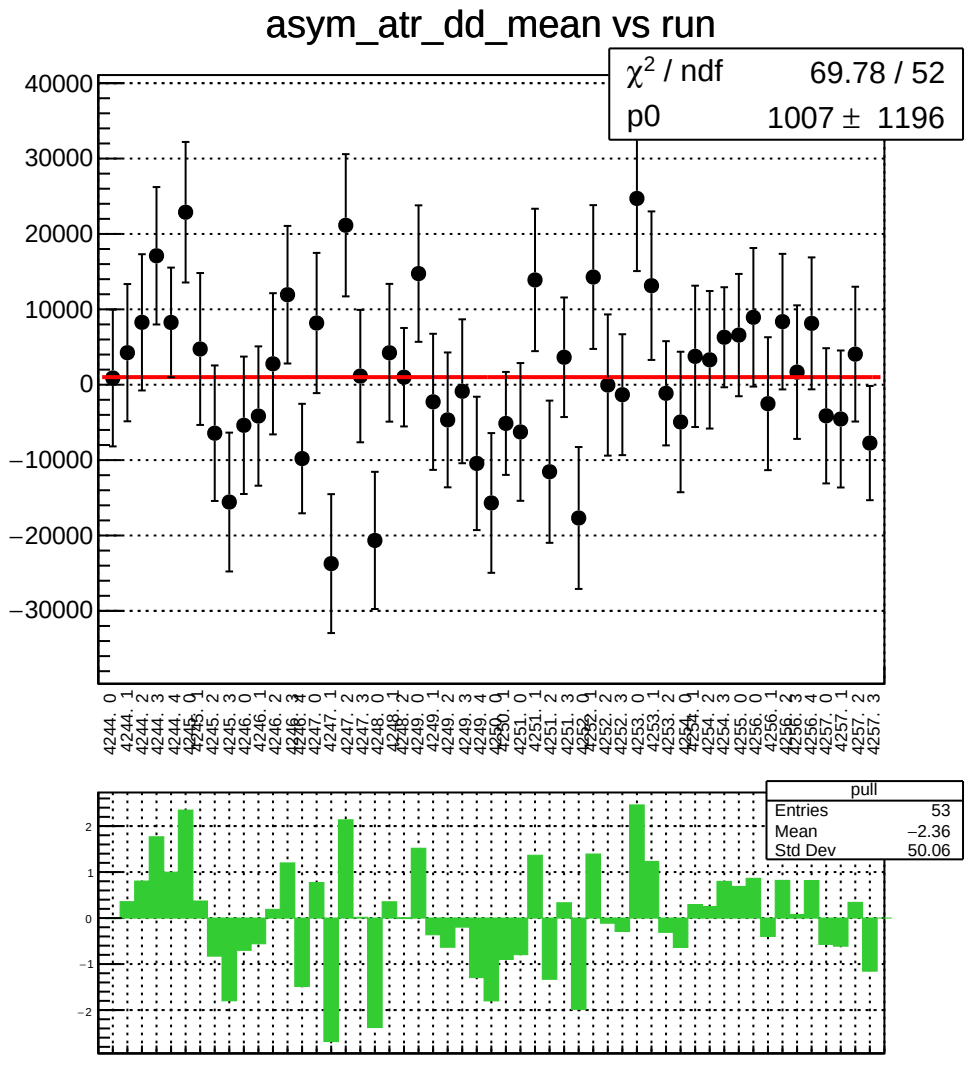
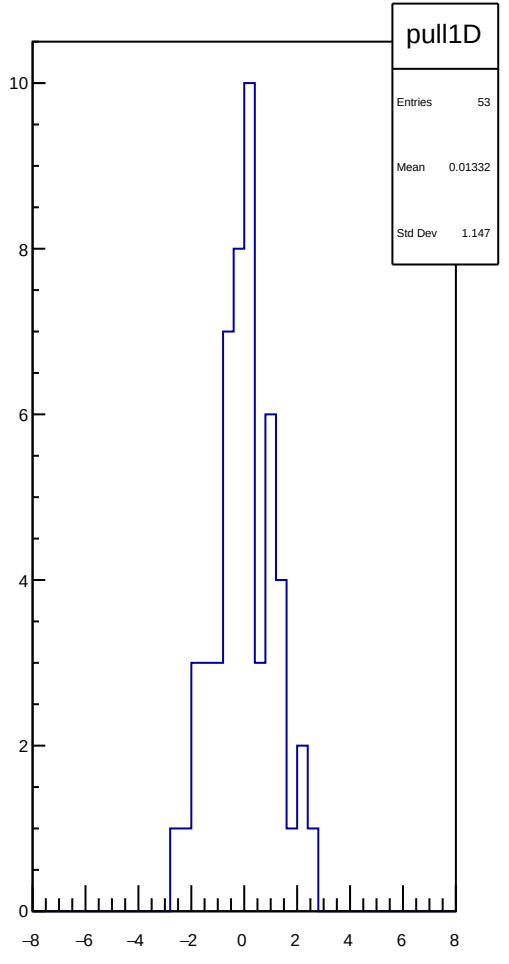
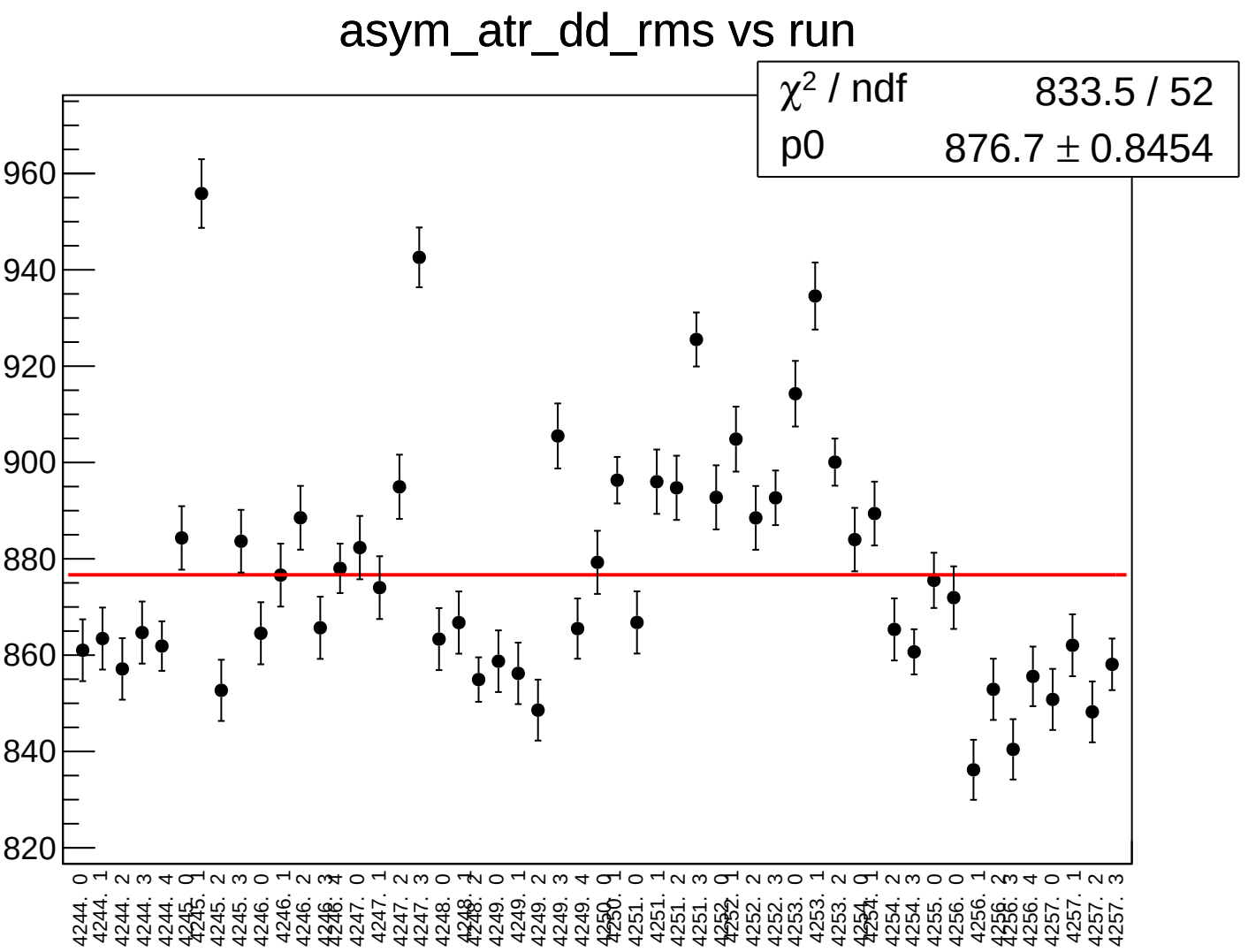
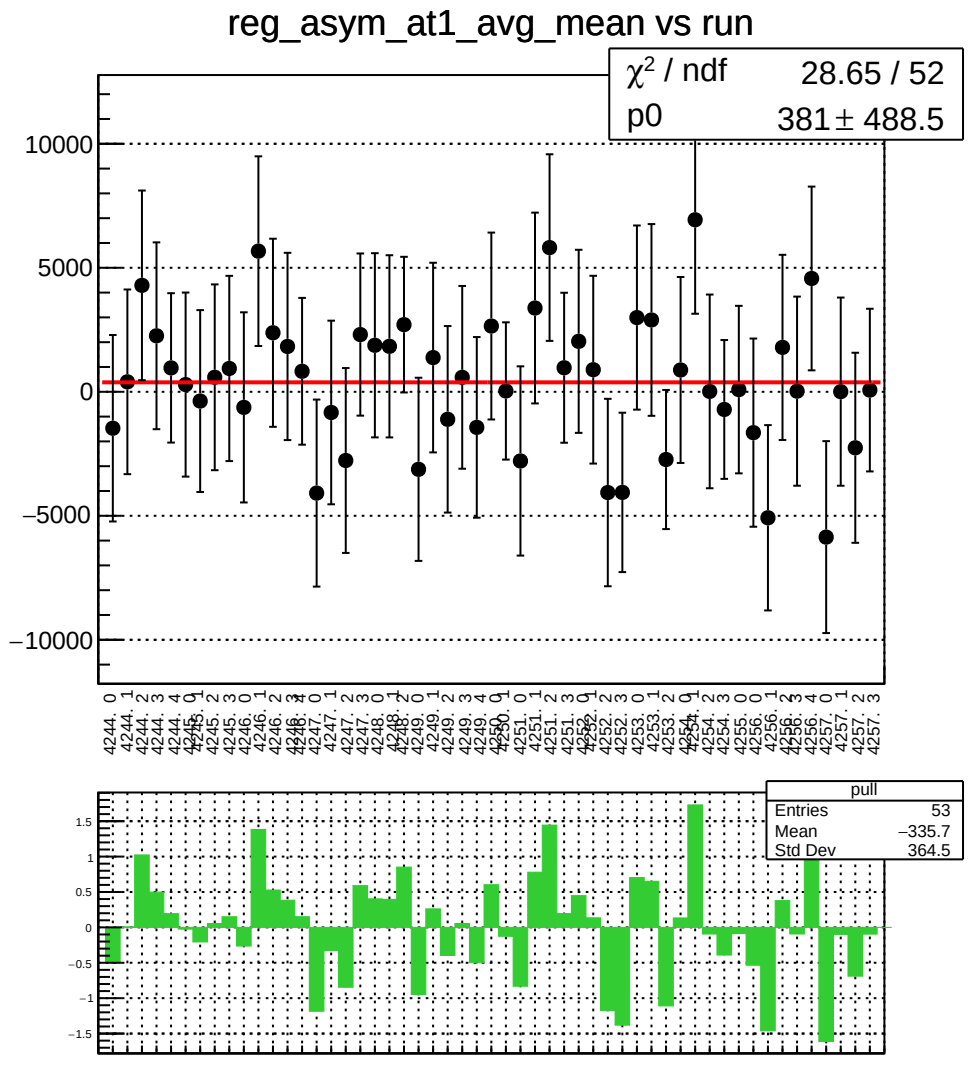
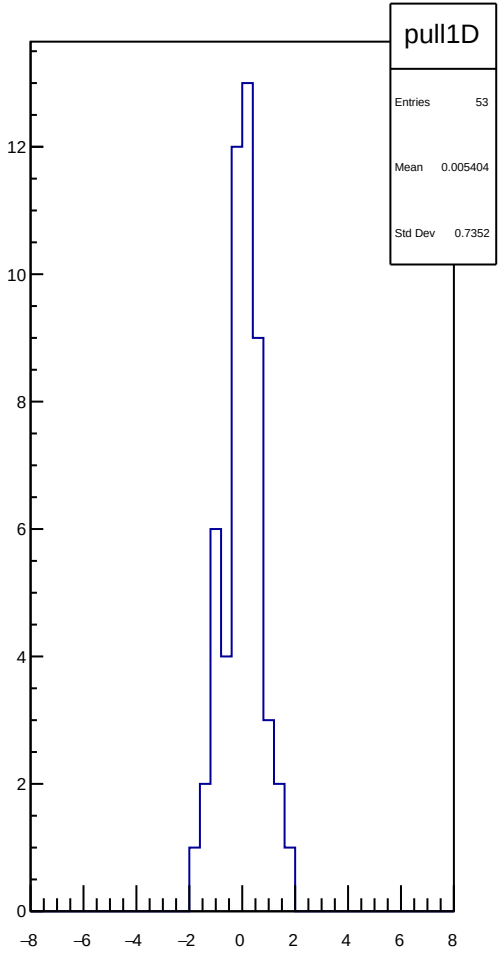
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

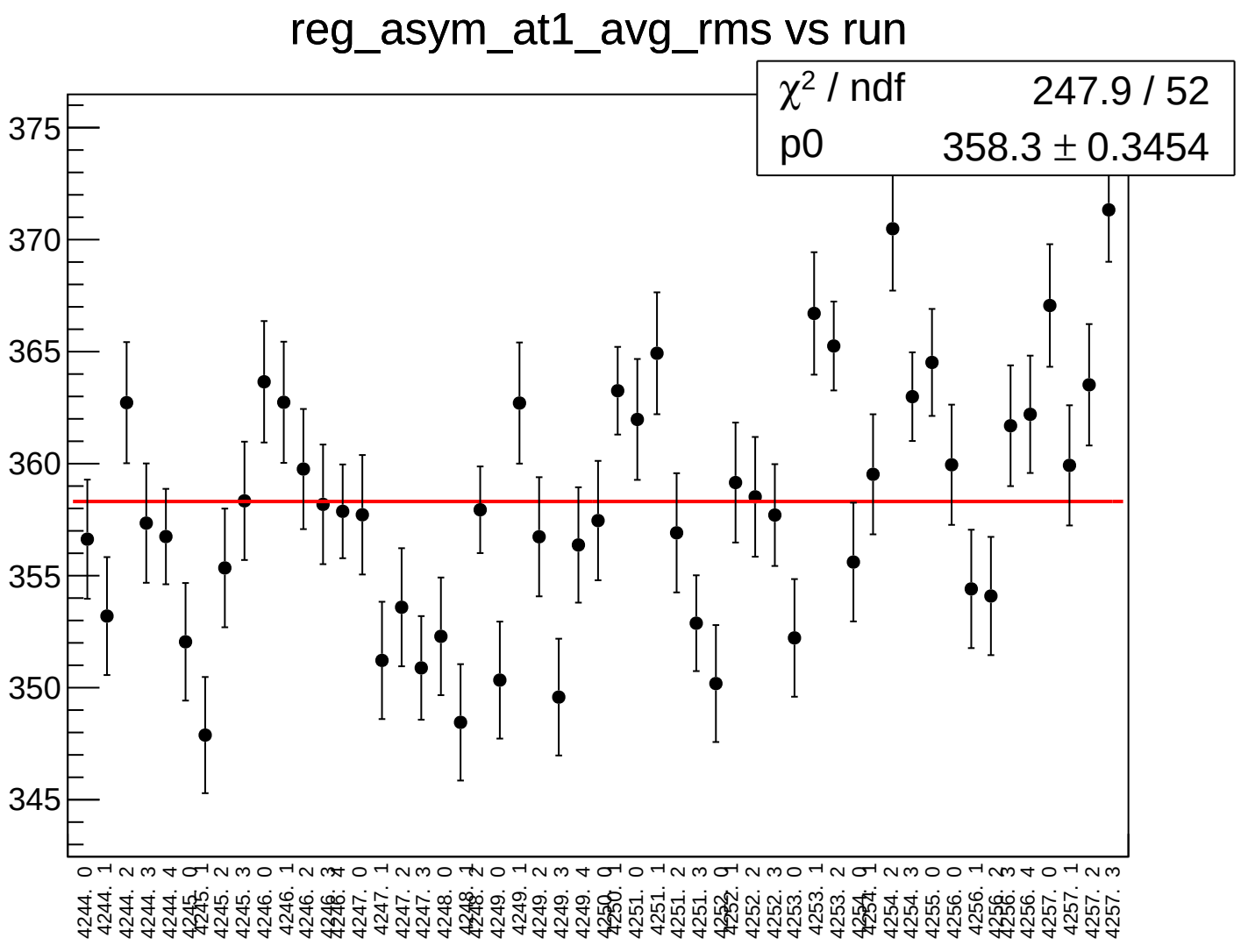

asym_atr_dd_mean vs run
χ² / ndf 69.78 / 52
p0 1007 ± 1196
pull
Entries 53
Mean −2.36
Std Dev 50.06


pull1D
Entries 53
Mean 0.01332
Std Dev 1.147


asym_atr_dd_rms vs run
χ² / ndf 833.5 / 52
p0 876.7 ± 0.8454
960
940
920
900
880
860
840
820
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


reg_asym_at1_avg_mean vs run
χ² / ndf 28.65 / 52
p0 381 ± 488.5
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −335.7
Std Dev 364.5
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean 0.005404
Std Dev 0.7352
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 247.9 / 52
p0 358.3 ± 0.3454
375
370
365
360
355
350
345
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
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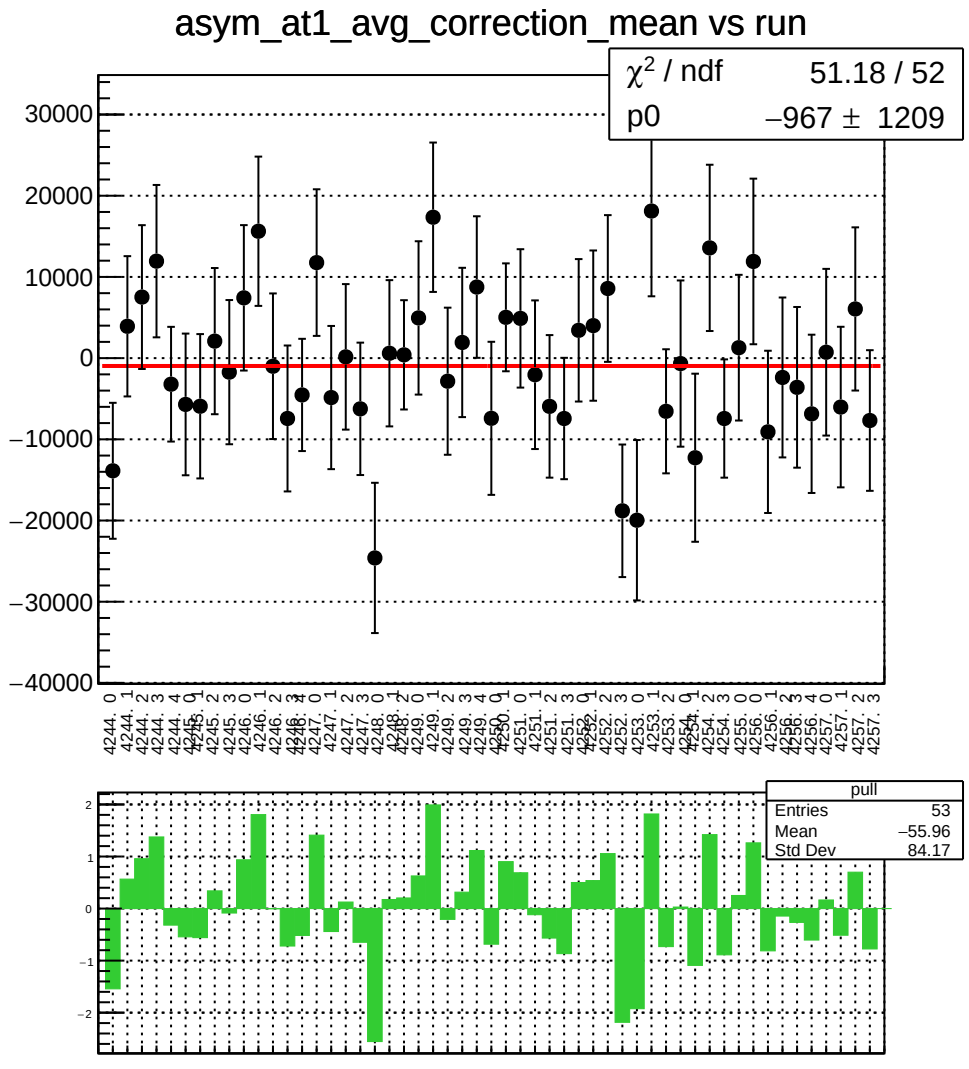
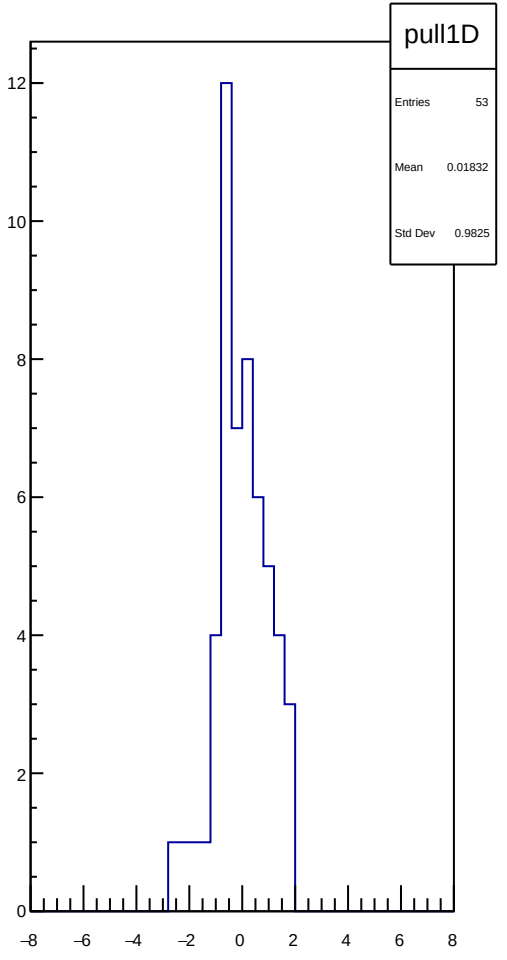
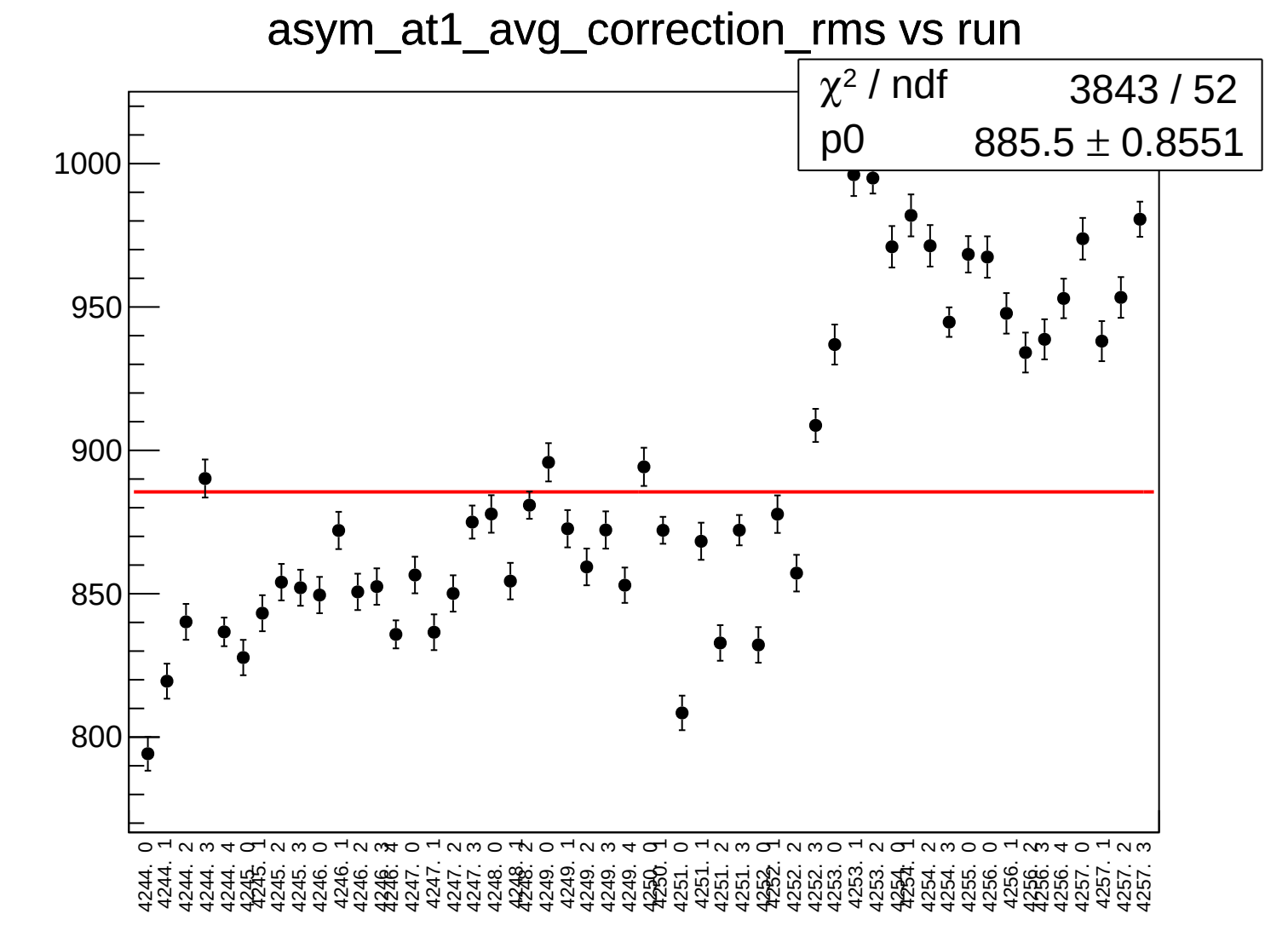
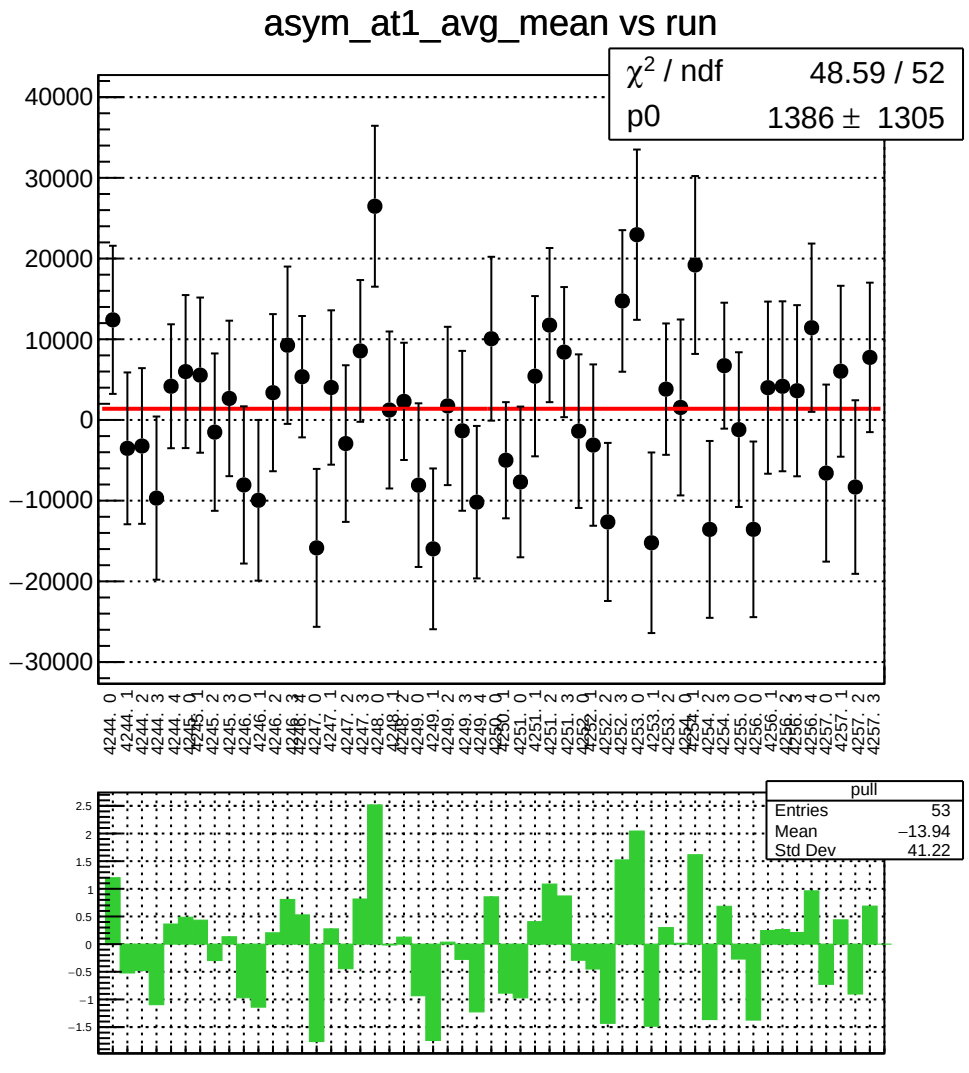
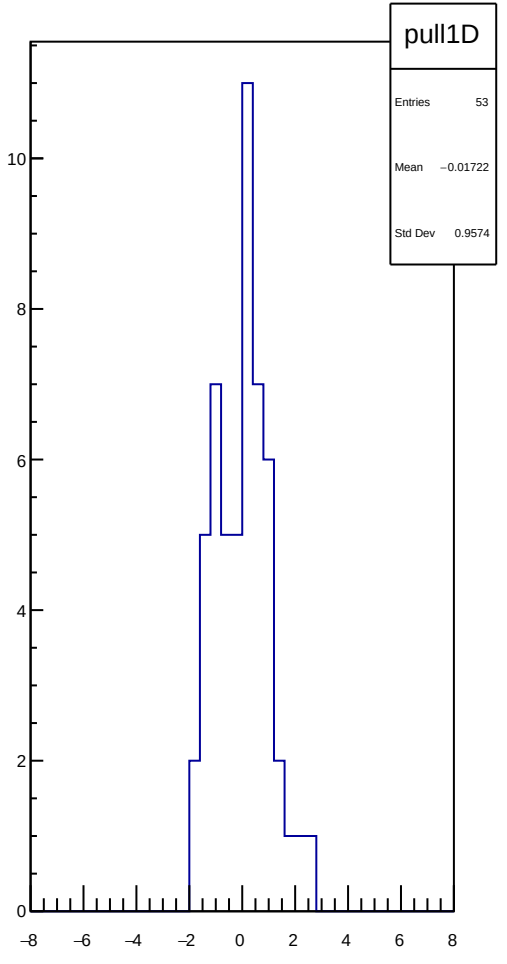
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

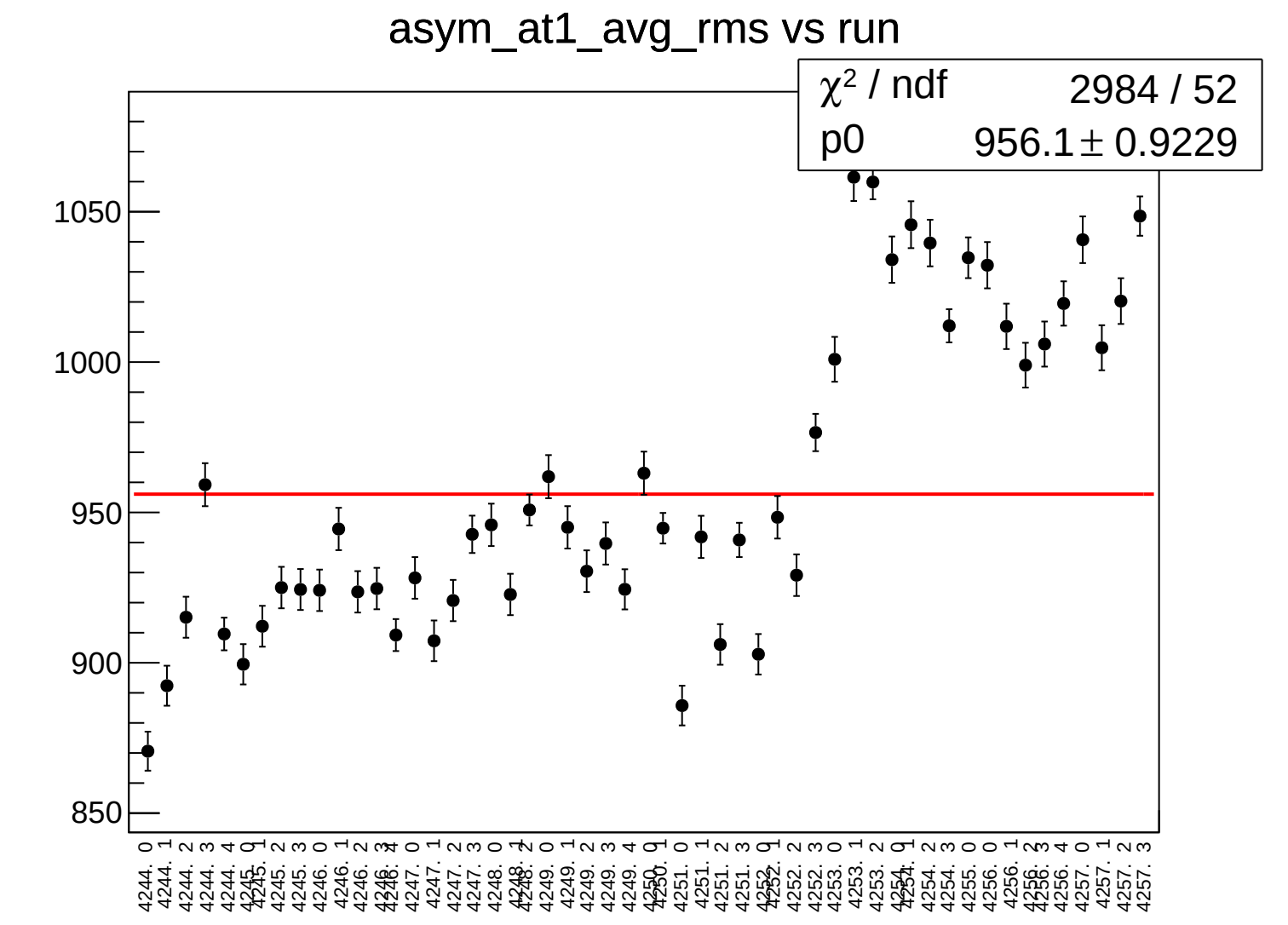

asym_at1_avg_correction_mean vs run
χ² / ndf 51.18 / 52
p0 −967 ± 1209
pull
Entries 53
Mean −55.96
Std Dev 84.17

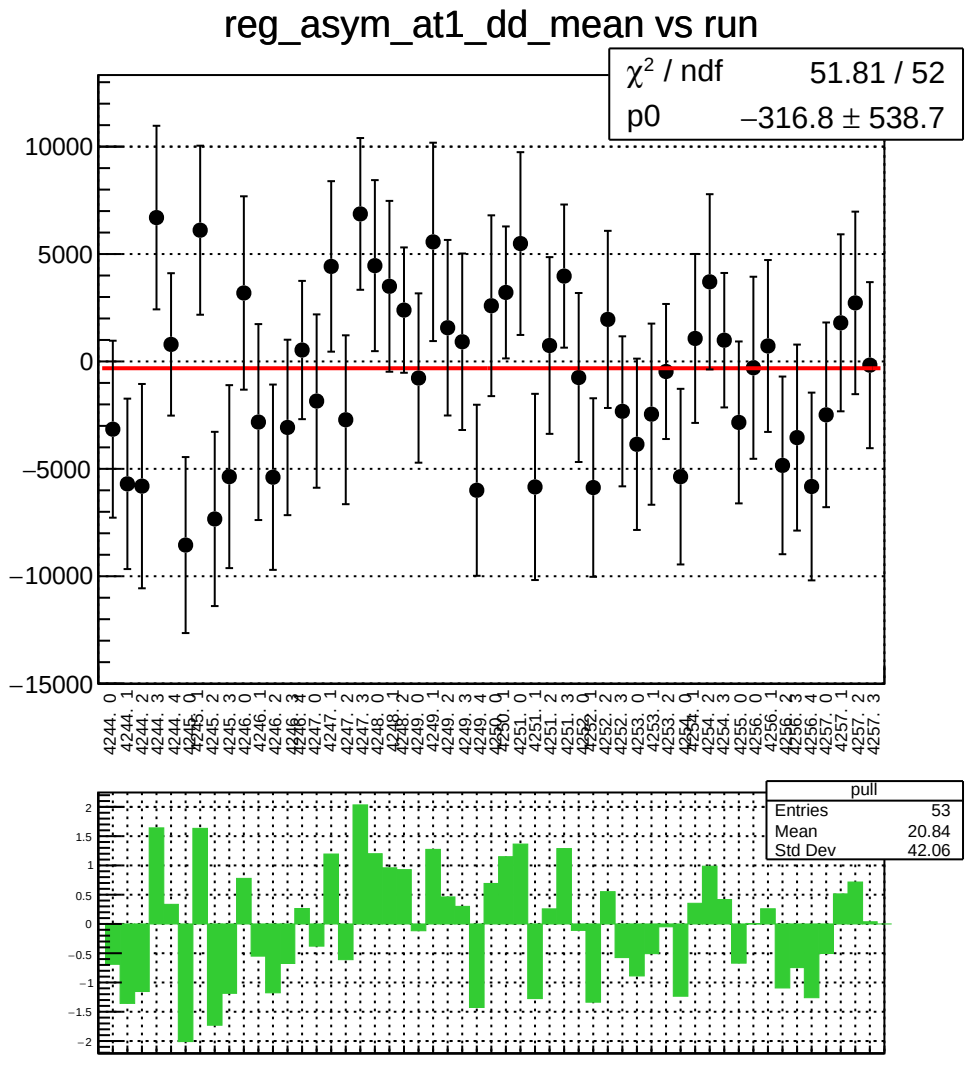

pull1D
Entries 53
Mean 0.01832
Std Dev 0.9825

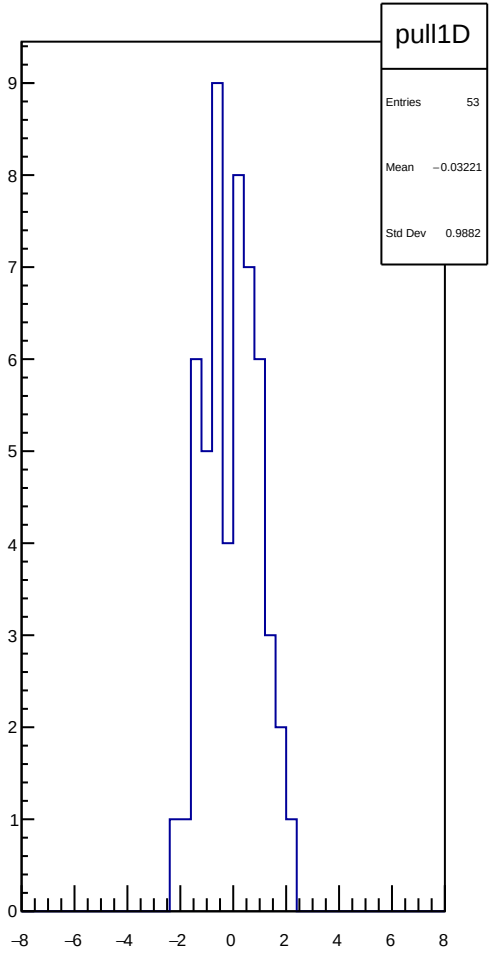

asym_at1_avg_correction_rms vs run
χ² / ndf 3843 / 52
p0 885.5 ± 0.8551
1000
950
900
850
800
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

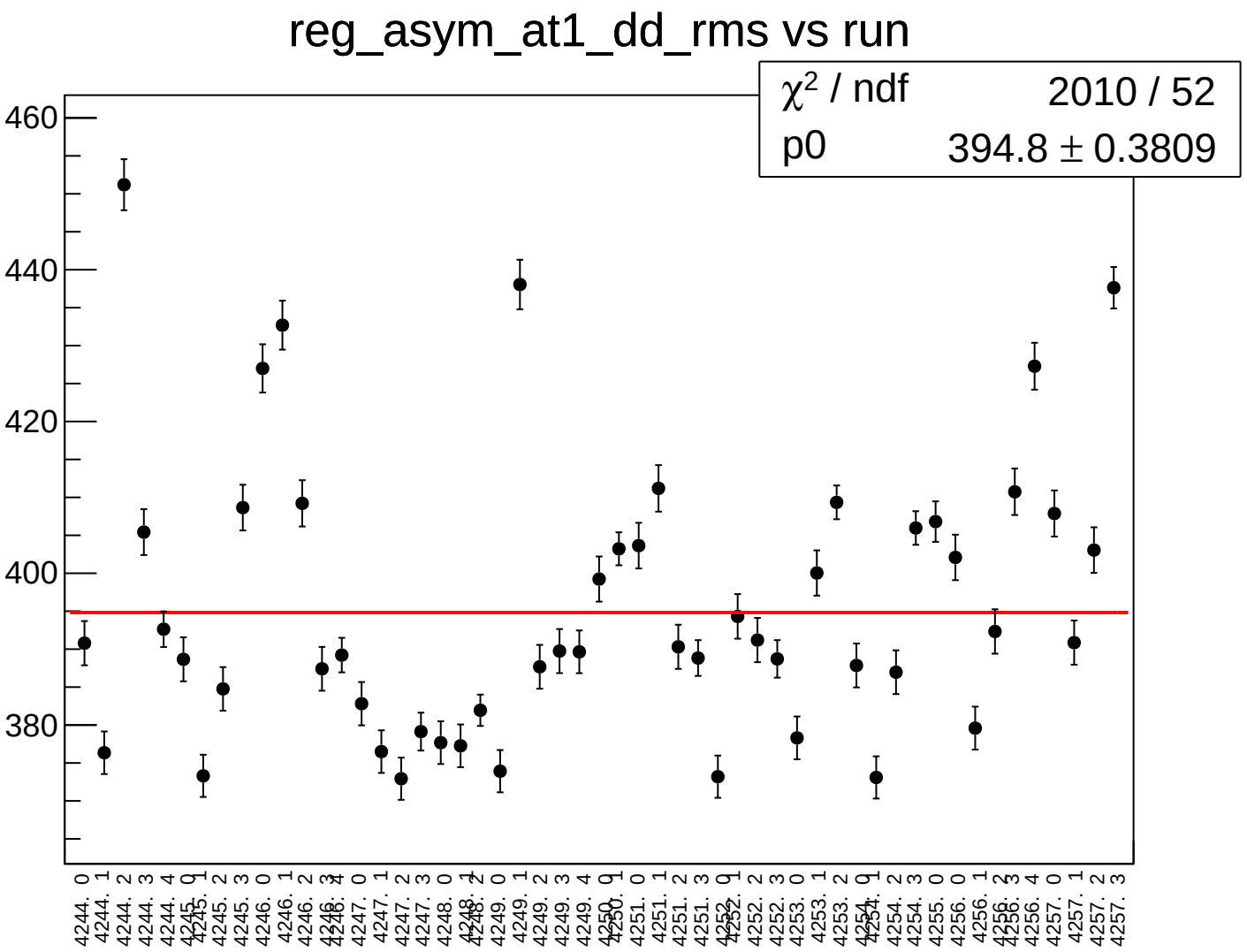

asym_at1_avg_mean vs run
χ² / ndf 48.59 / 52
p0 1386 ± 1305
pull
Entries 53
Mean −13.94
Std Dev 41.22

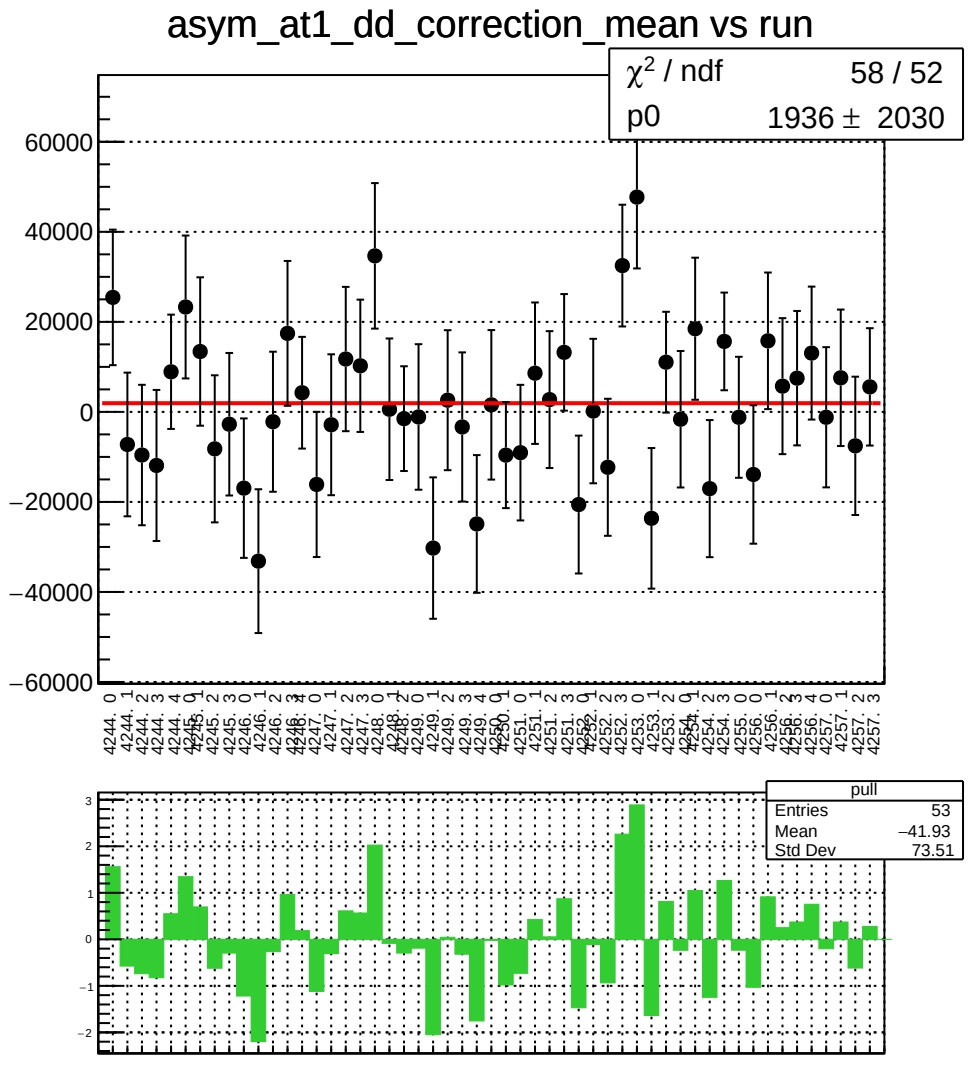

pull1D
Entries 53
Mean −0.01722
Std Dev 0.9574

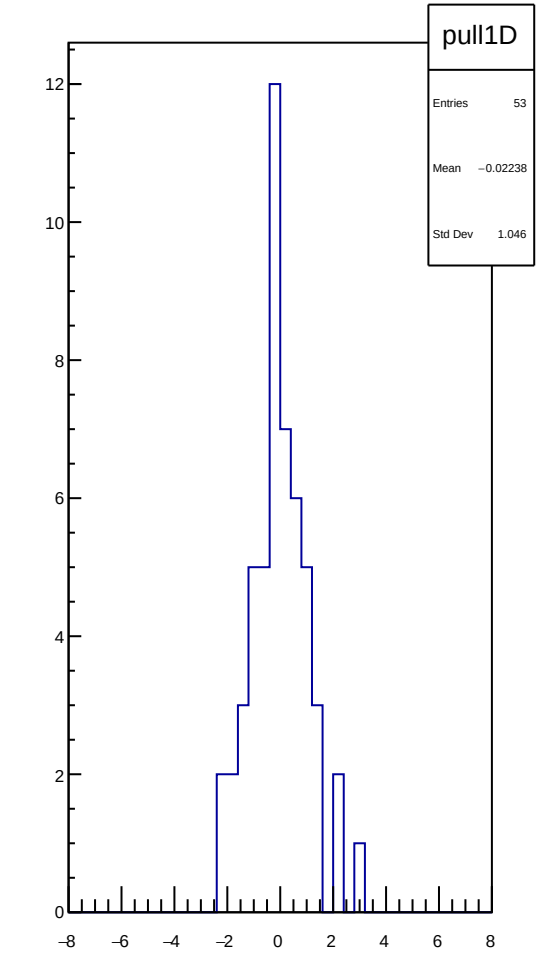

asym_at1_avg_rms vs run
χ² / ndf 2984 / 52
p0 956.1 ± 0.9229
1050
1000
950
900
850
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

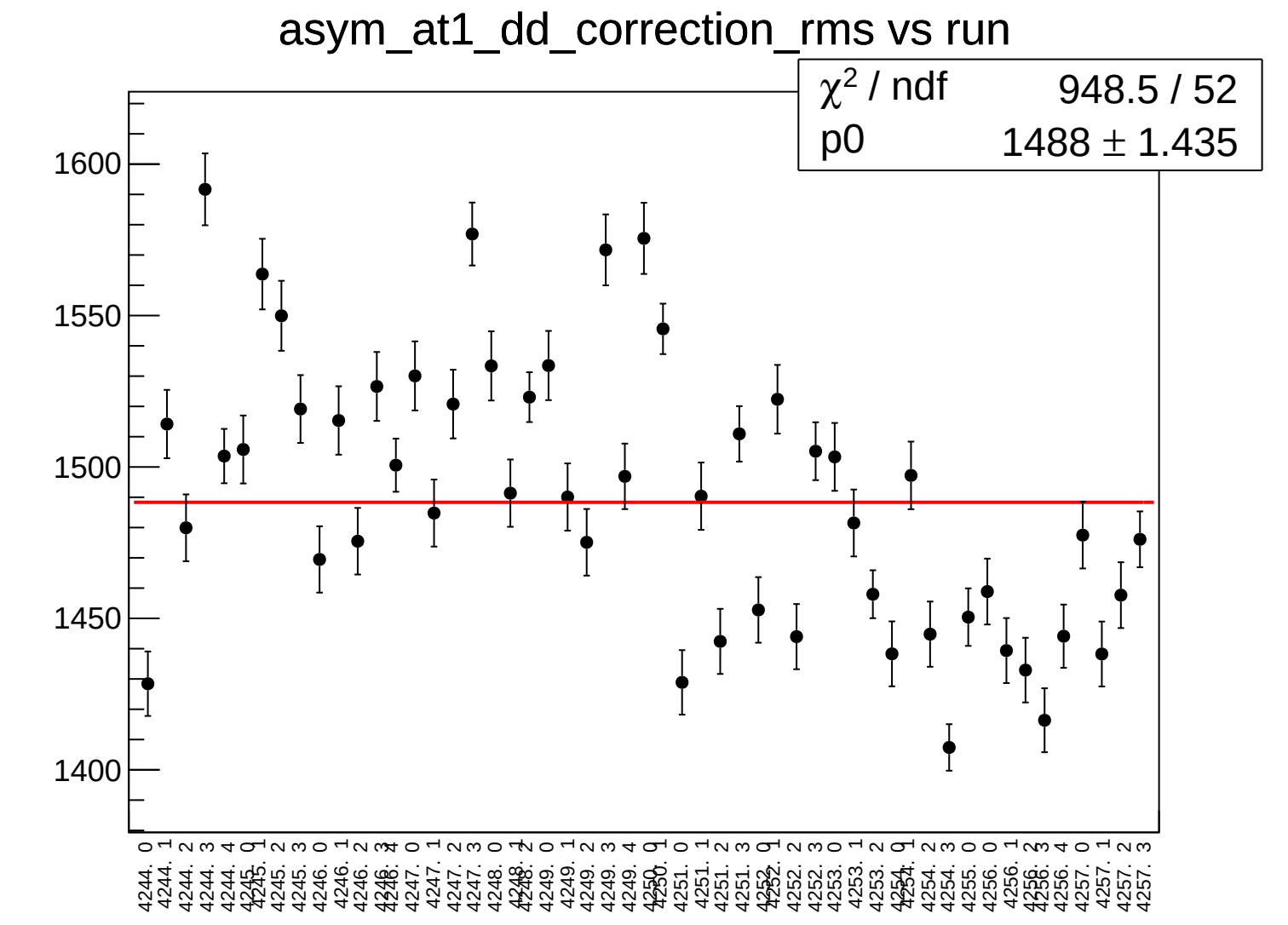

reg_asym_at1_dd_mean vs run
χ² / ndf 51.81 / 52
p0 −316.8 ± 538.7
pull
Entries 53
Mean 20.84
Std Dev 42.06

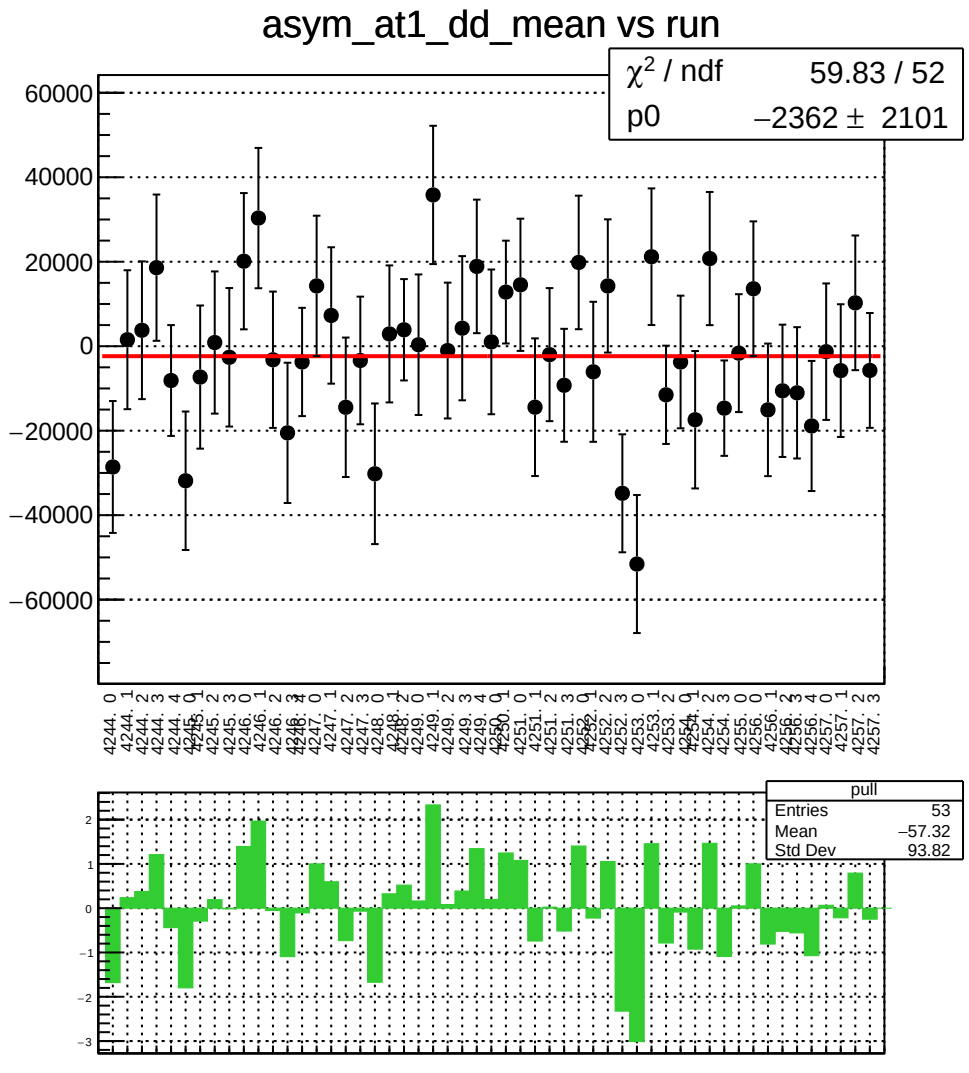

pull1D
Entries 53
Mean −0.03221
Std Dev 0.9882

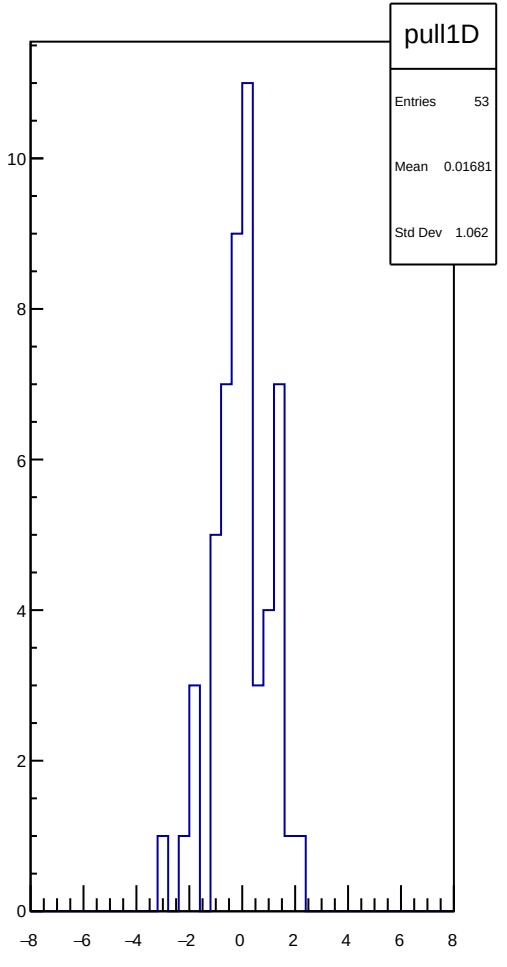

reg_asym_at1_dd_rms vs run
χ² / ndf 2010 / 52
p0 394.8 ± 0.3809
460
440
420
400
380
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

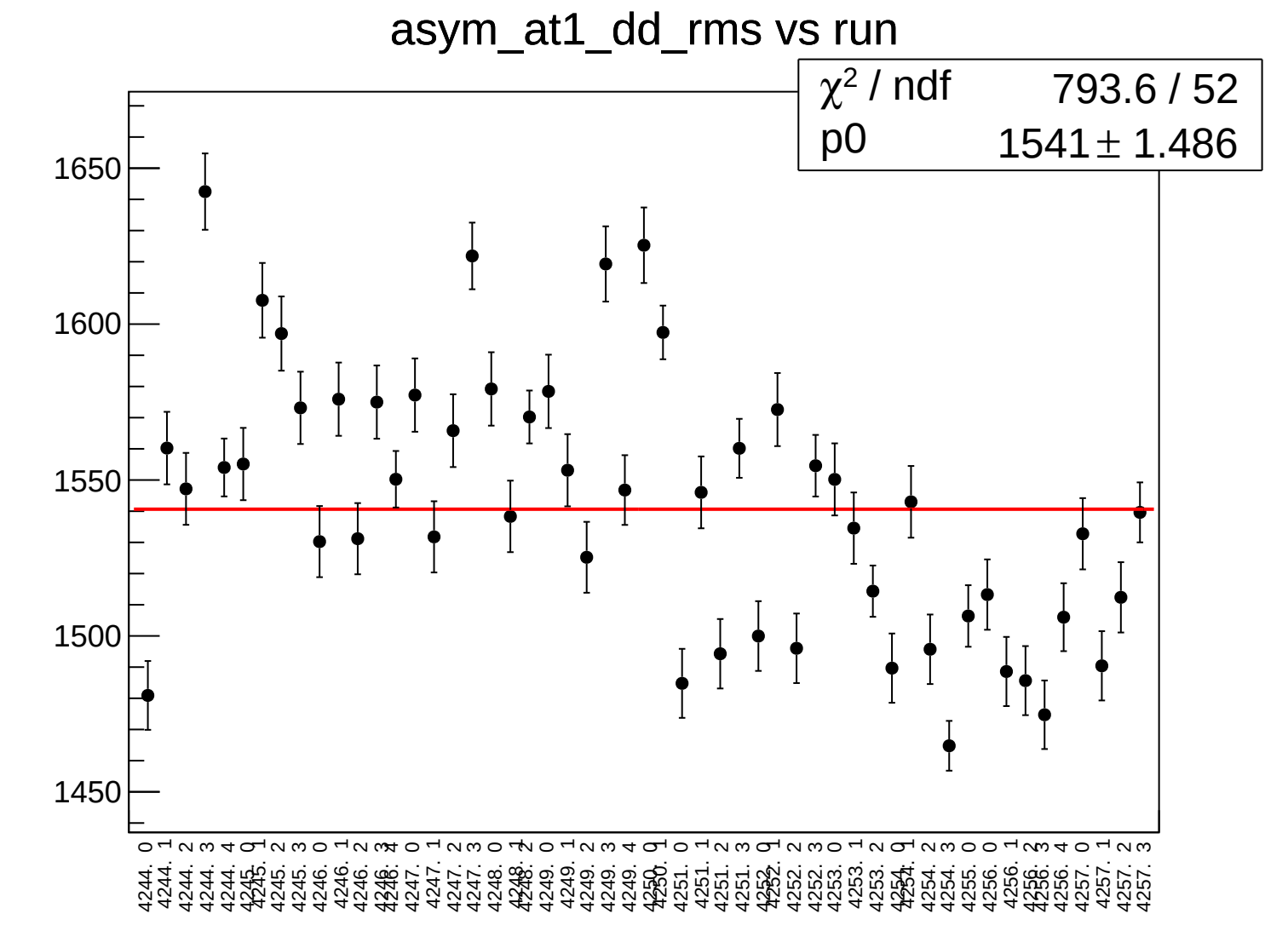

asym_at1_dd_correction_mean vs run
χ² / ndf 58 / 52
p0 1936 ± 2030
pull
Entries 53
Mean −41.93
Std Dev 73.51


pull1D
Entries 53
Mean −0.02238
Std Dev 1.046


asym_at1_dd_correction_rms vs run
χ² / ndf 948.5 / 52
p0 1488 ± 1.435
1600
1550
1500
1450
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_at1_dd_mean vs run
χ² / ndf 59.83 / 52
p0 −2362 ± 2101
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −57.32
Std Dev 93.82
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean 0.01681
Std Dev 1.062
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_rms vs run
χ² / ndf 793.6 / 52
p0 1541 ± 1.486
1650
1600
1550
1500
1450
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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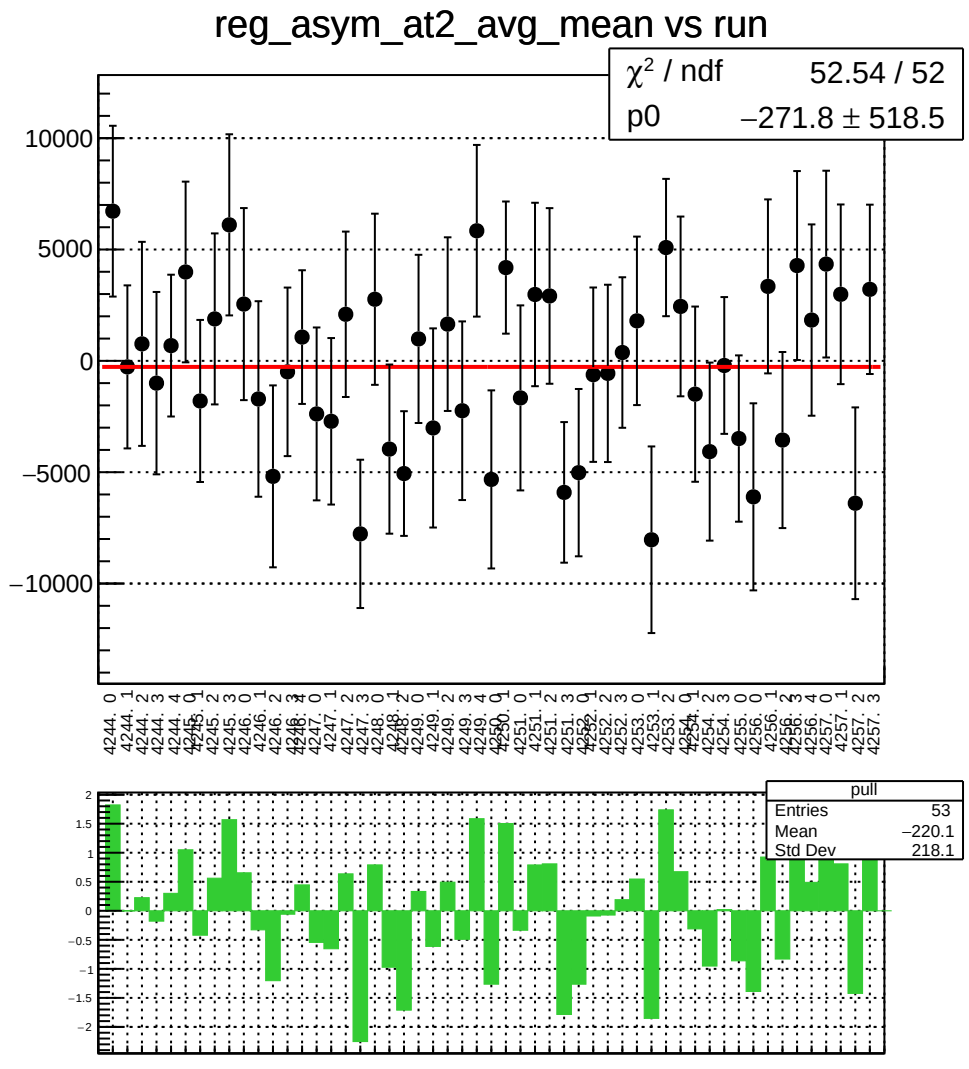
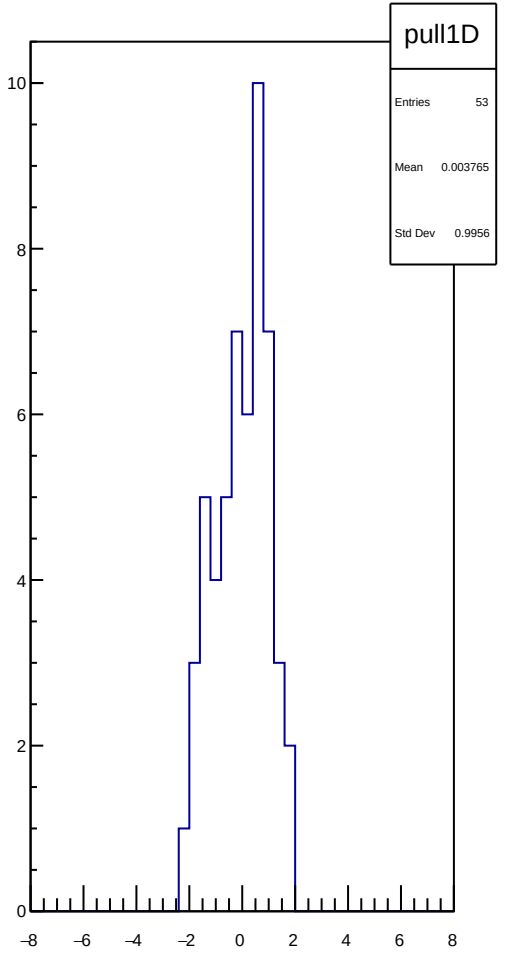
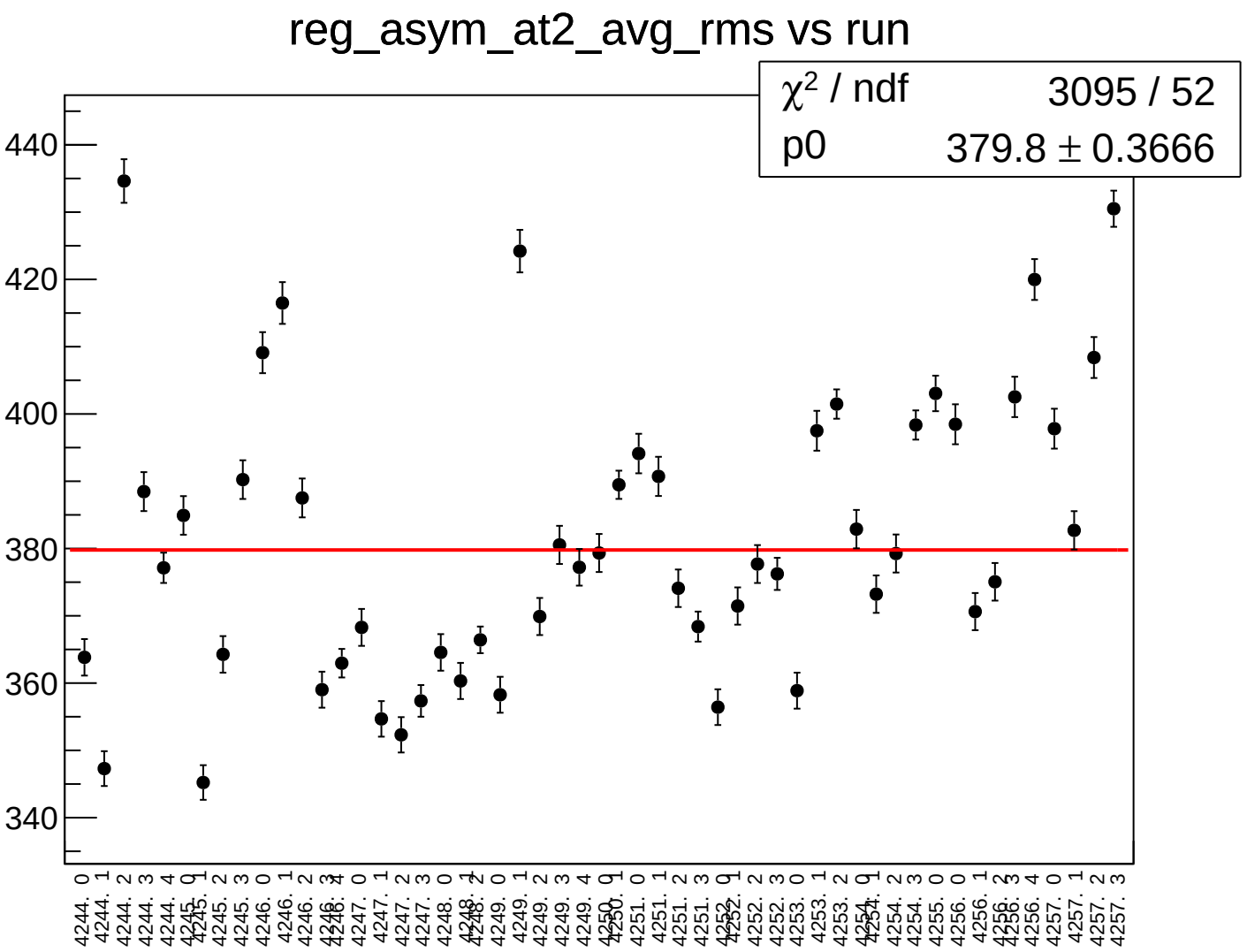
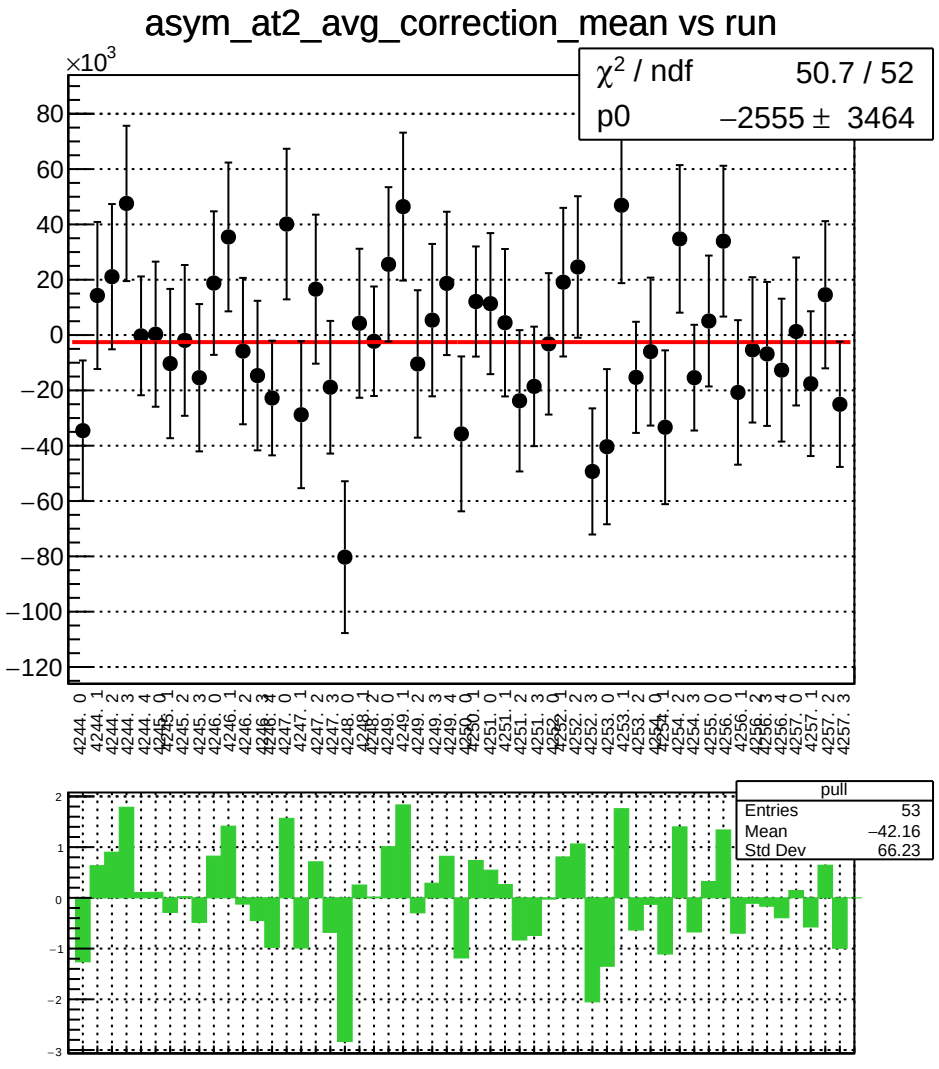
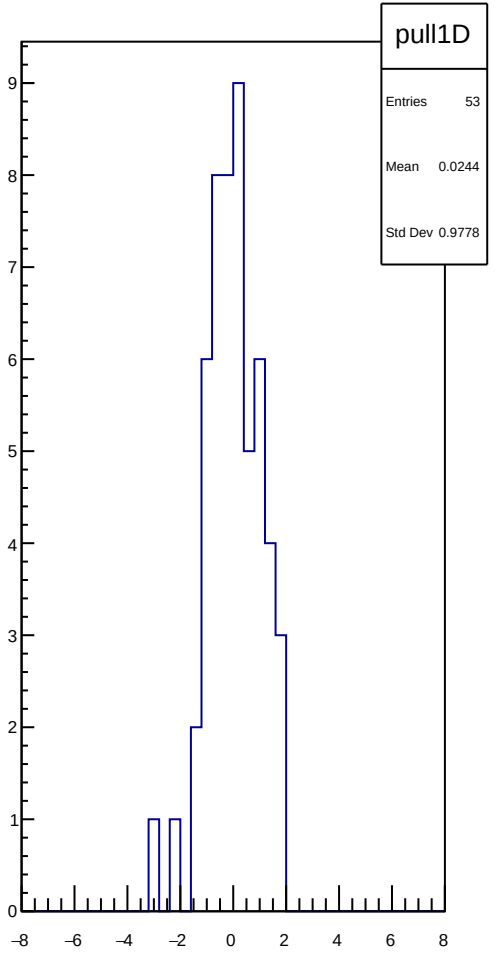
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

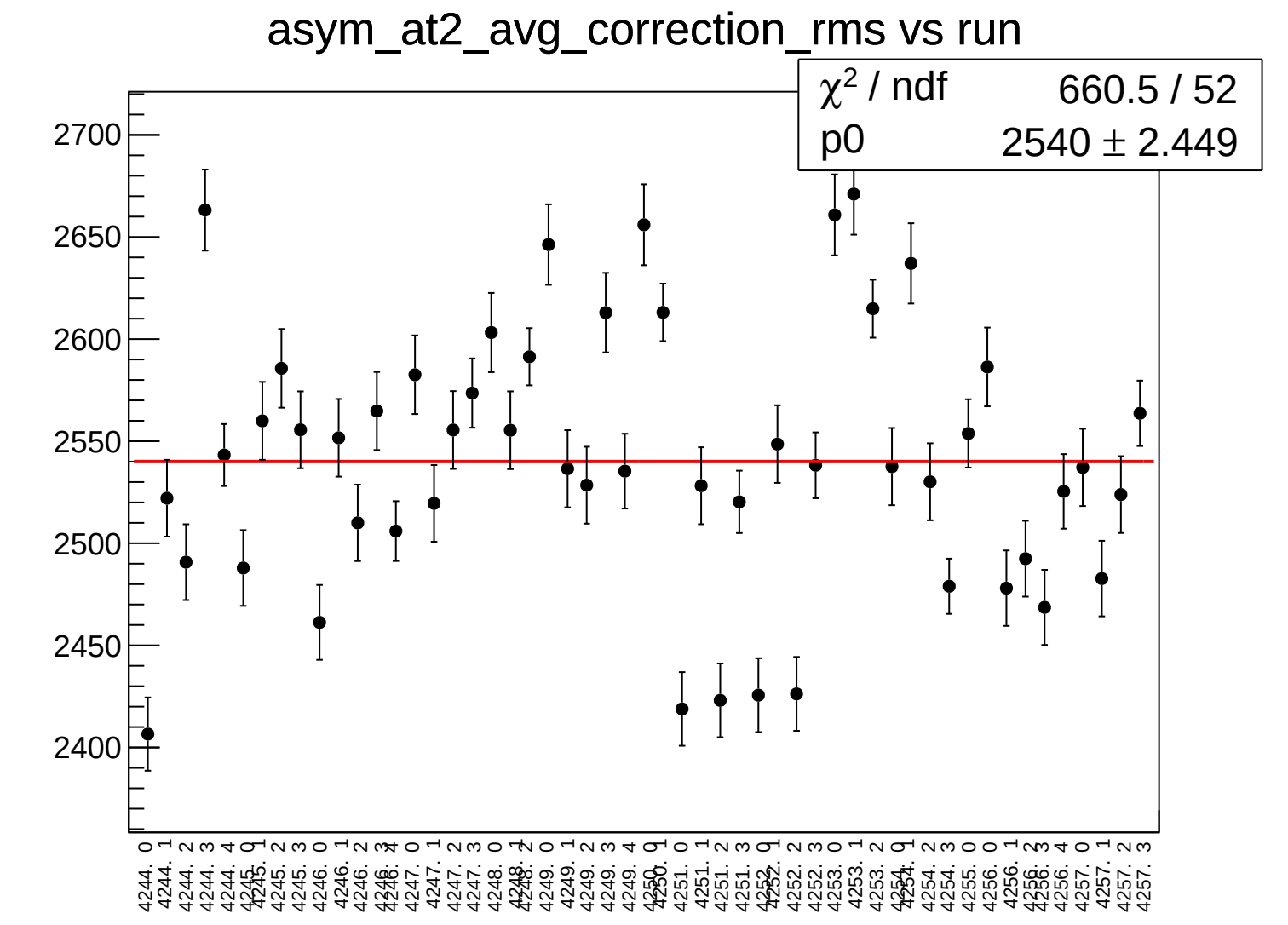

reg_asym_at2_avg_mean vs run
χ² / ndf 52.54 / 52
p0 −271.8 ± 518.5
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −220.1
Std Dev 218.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

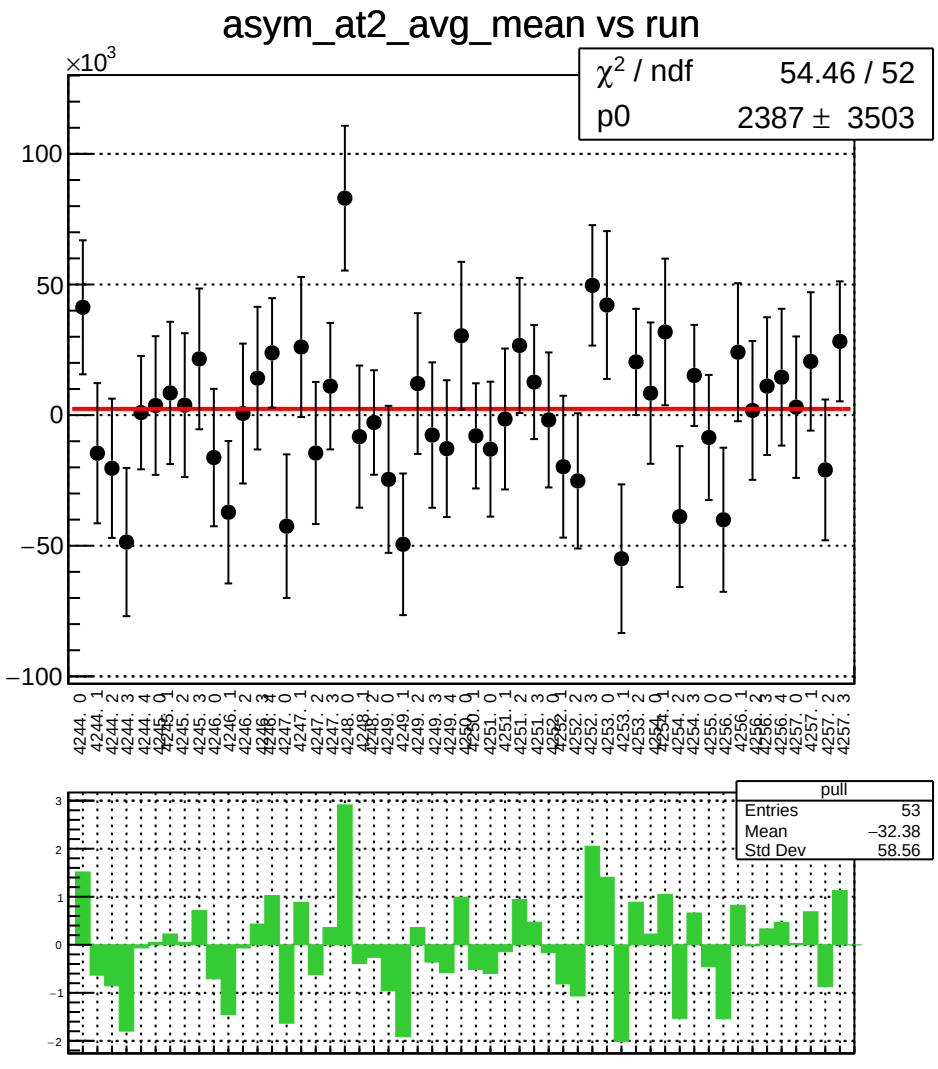

pull1D
Entries 53
Mean 0.003765
Std Dev 0.9956
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

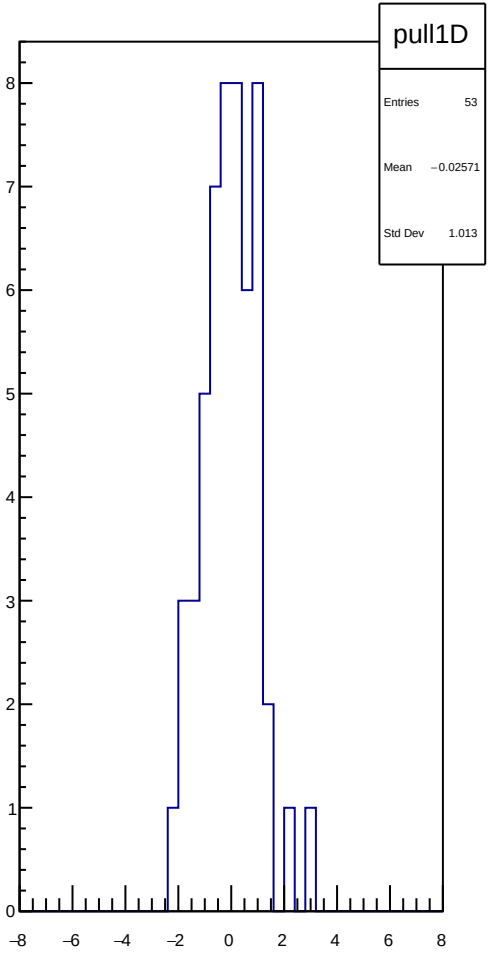

reg_asym_at2_avg_rms vs run
χ² / ndf 3095 / 52
p0 379.8 ± 0.3666
440
420
400
380
360
340
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

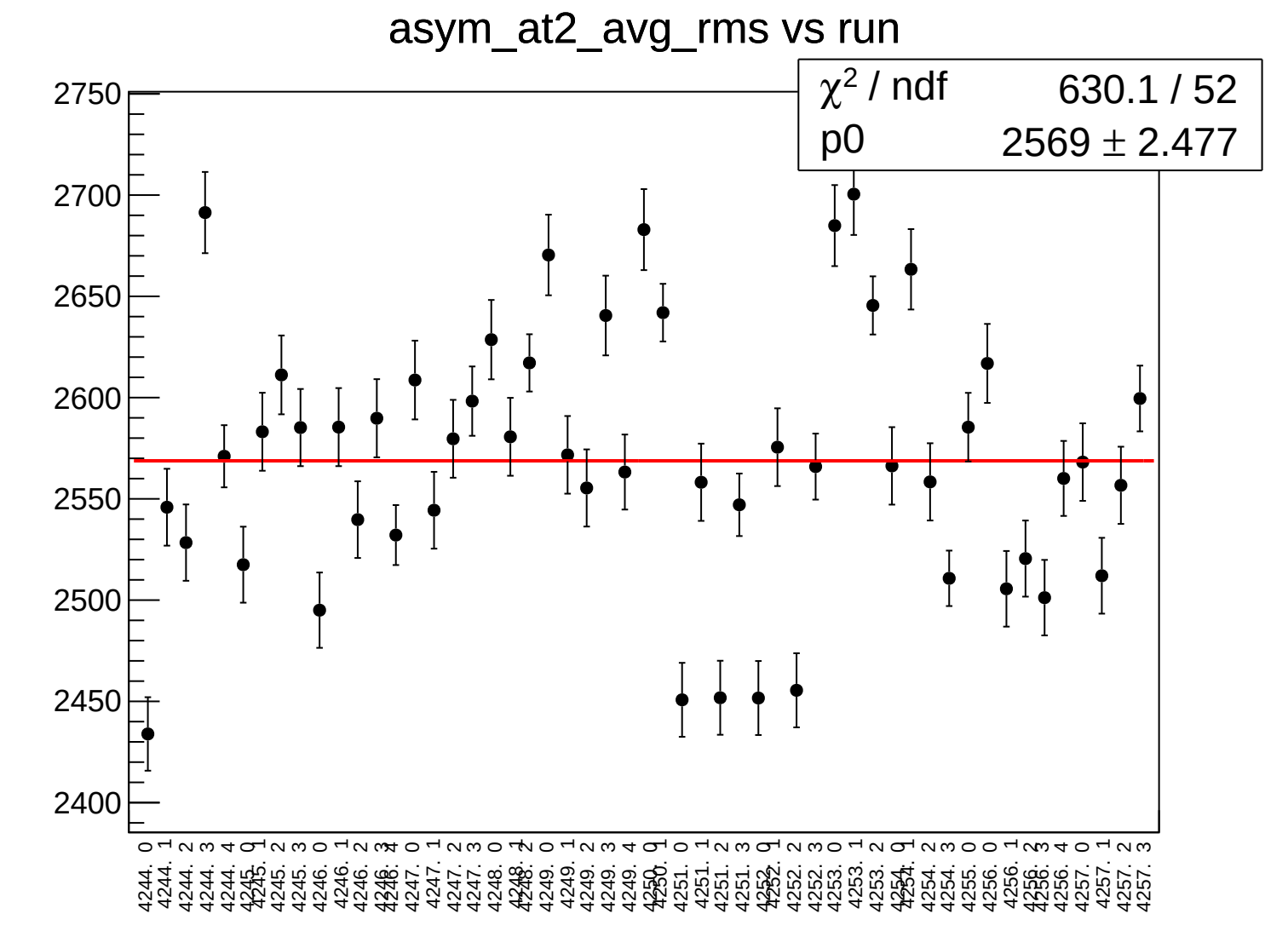

asym_at2_avg_correction_mean vs run
χ² / ndf 50.7 / 52
p0 −2555 ± 3464
pull
Entries 53
Mean −42.16
Std Dev 66.23

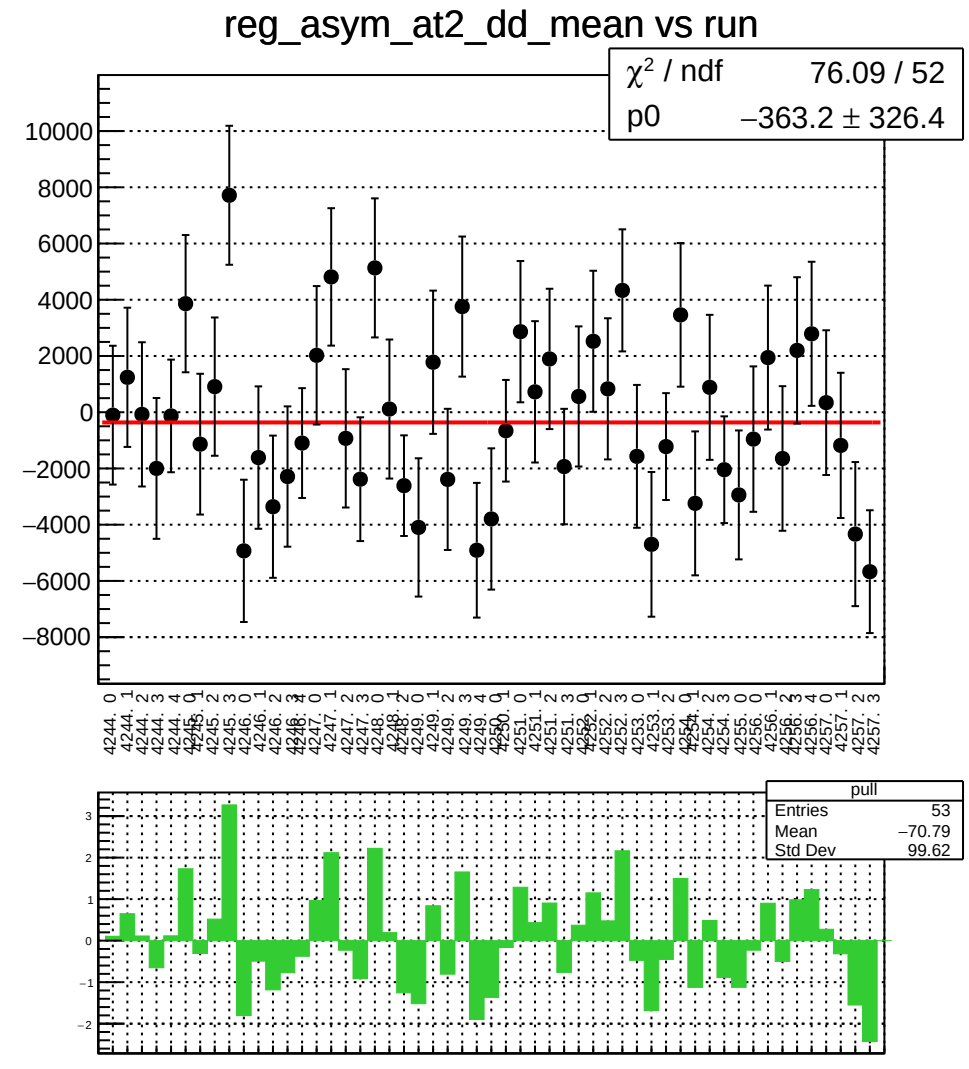

pull1D
Entries 53
Mean 0.0244
Std Dev 0.9778

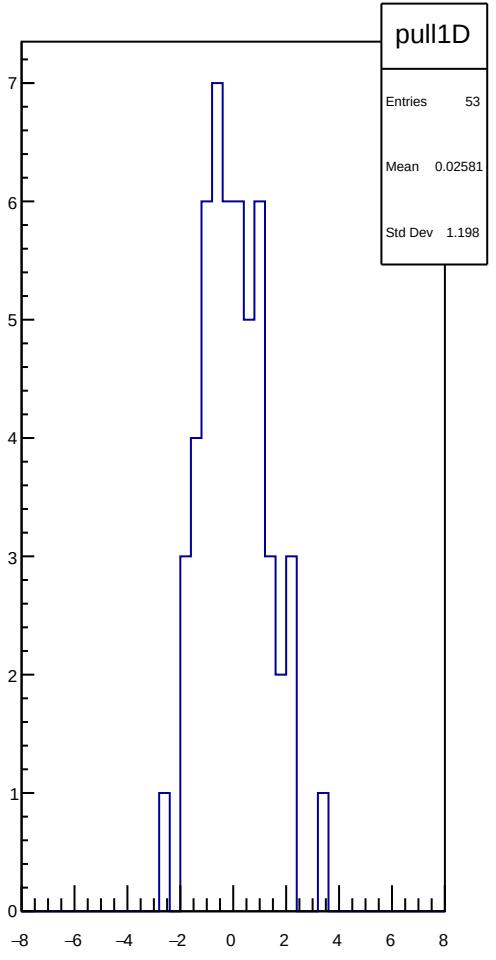

asym_at2_avg_correction_rms vs run
χ² / ndf 660.5 / 52
p0 2540 ± 2.449
2700
2650
2600
2550
2500
2450
2400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

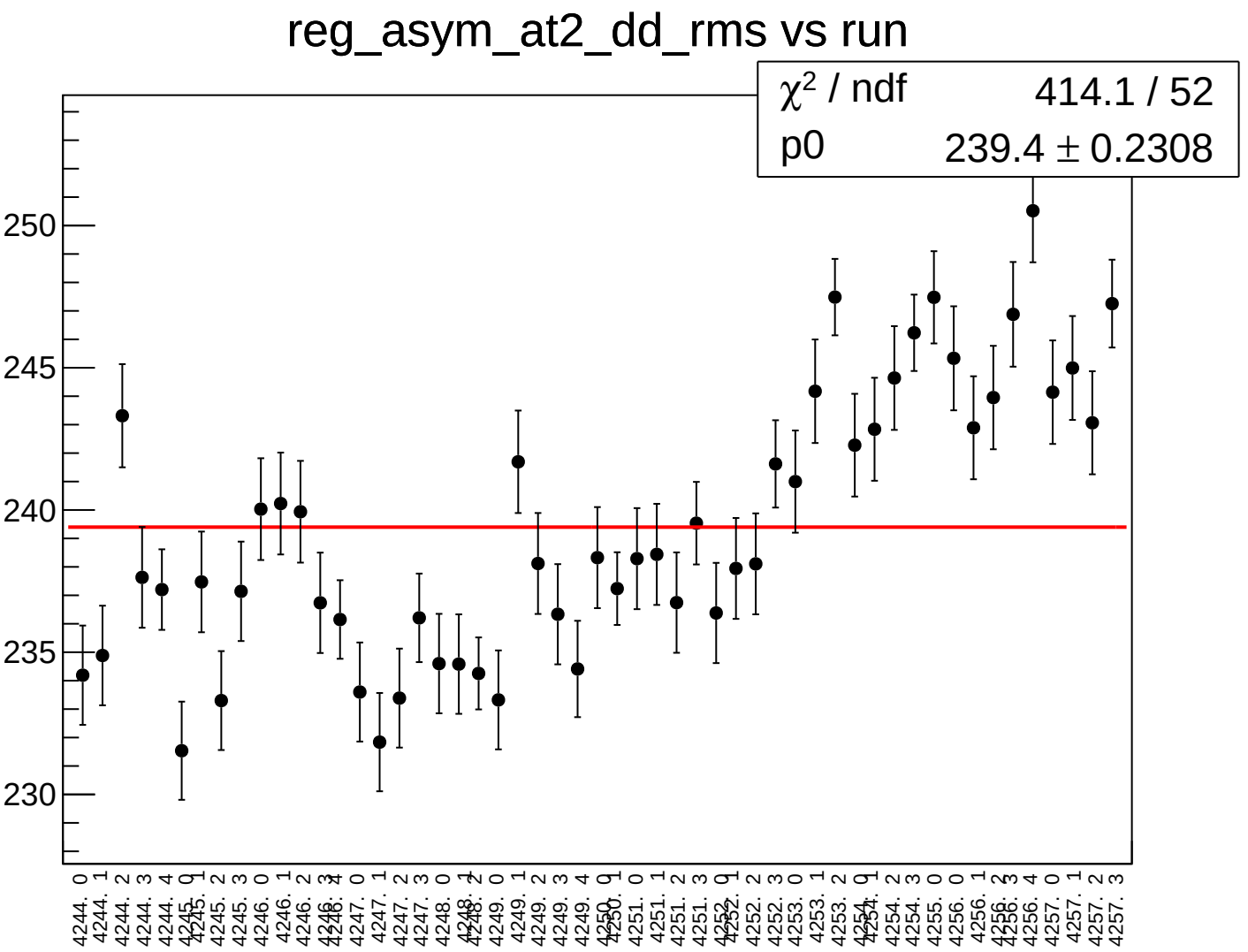

asym_at2_avg_mean vs run
×10^3
χ² / ndf 54.46 / 52
p0 2387 ± 3503
100
50
0
−50
−100
pull
Entries 53
Mean −32.38
Std Dev 58.56
3
2
1
0
−1
−2

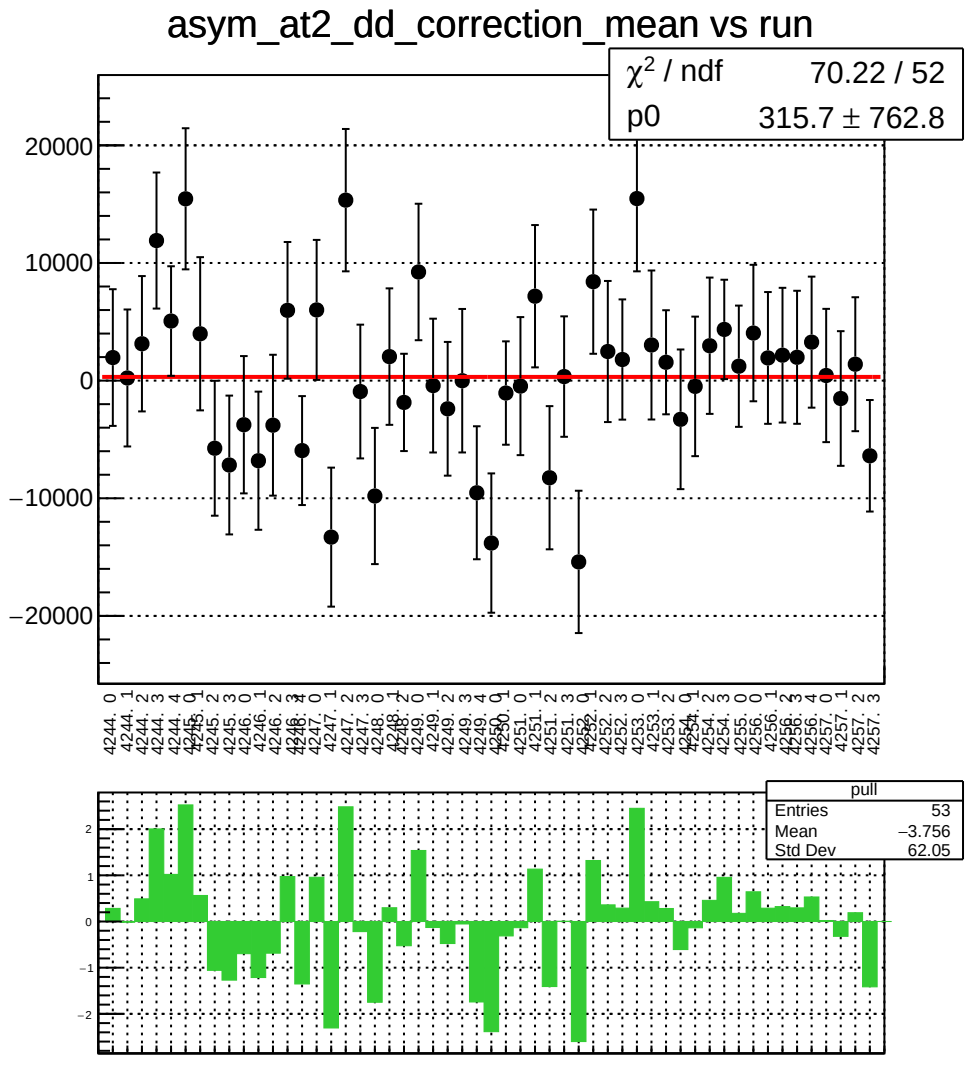

pull1D
Entries 53
Mean −0.02571
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

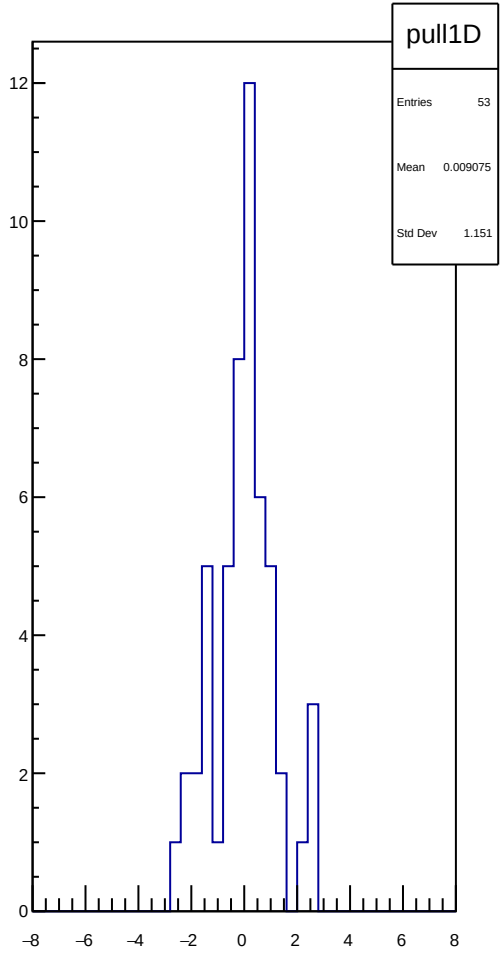

asym_at2_avg_rms vs run
χ² / ndf 630.1 / 52
p0 2569 ± 2.477
2750
2700
2650
2600
2550
2500
2450
2400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

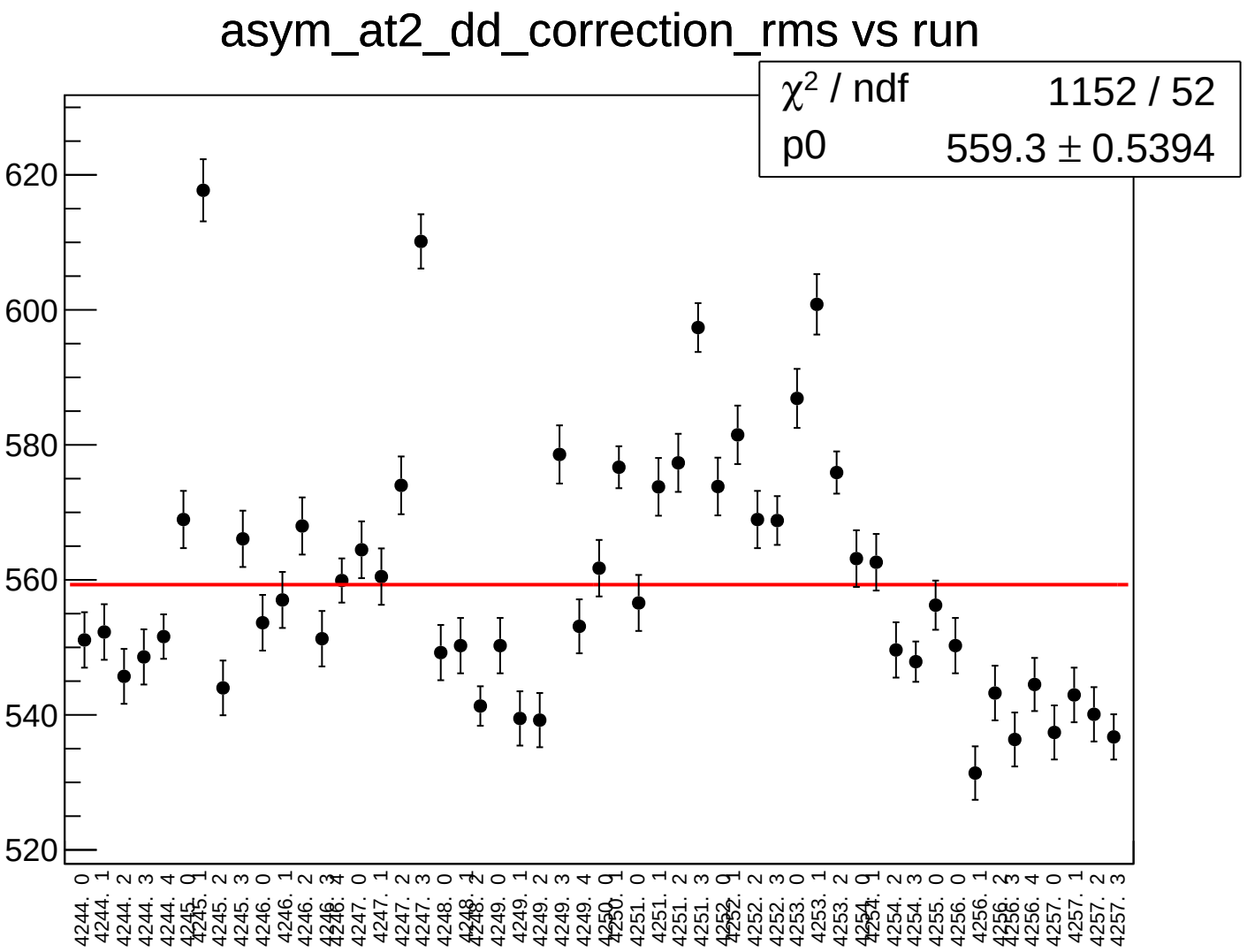

reg_asym_at2_dd_mean vs run
χ² / ndf 76.09 / 52
p0 −363.2 ± 326.4
pull
Entries 53
Mean −70.79
Std Dev 99.62

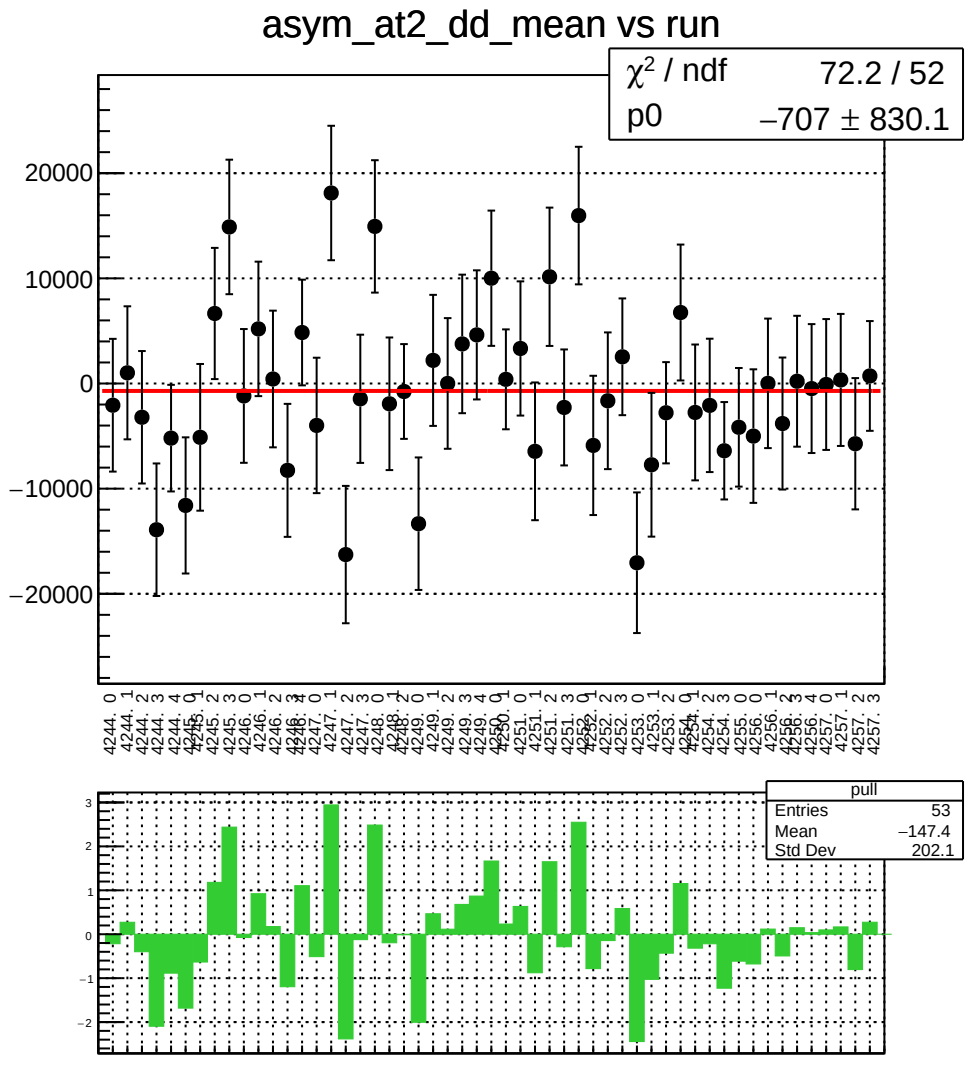

pull1D
Entries 53
Mean 0.02581
Std Dev 1.198

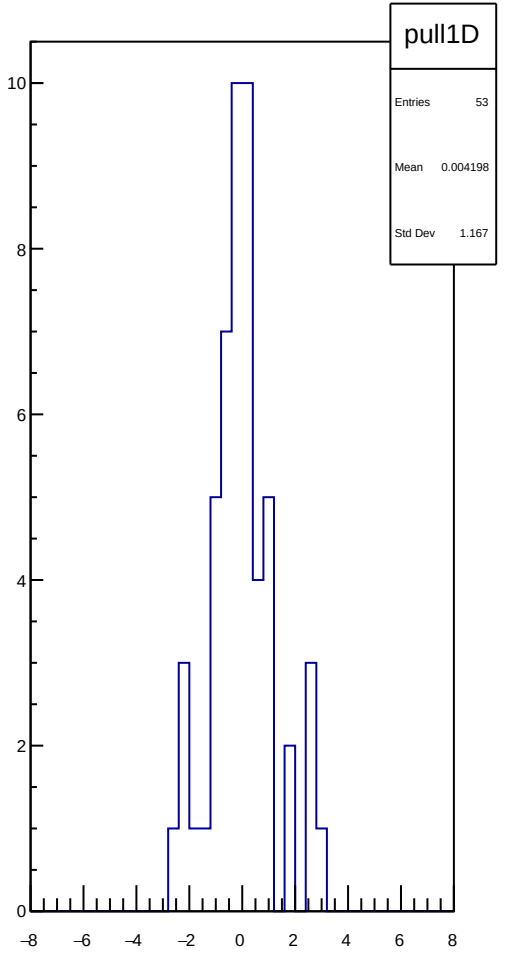

reg_asym_at2_dd_rms vs run
χ² / ndf 414.1 / 52
p0 239.4 ± 0.2308
250
245
240
235
230
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

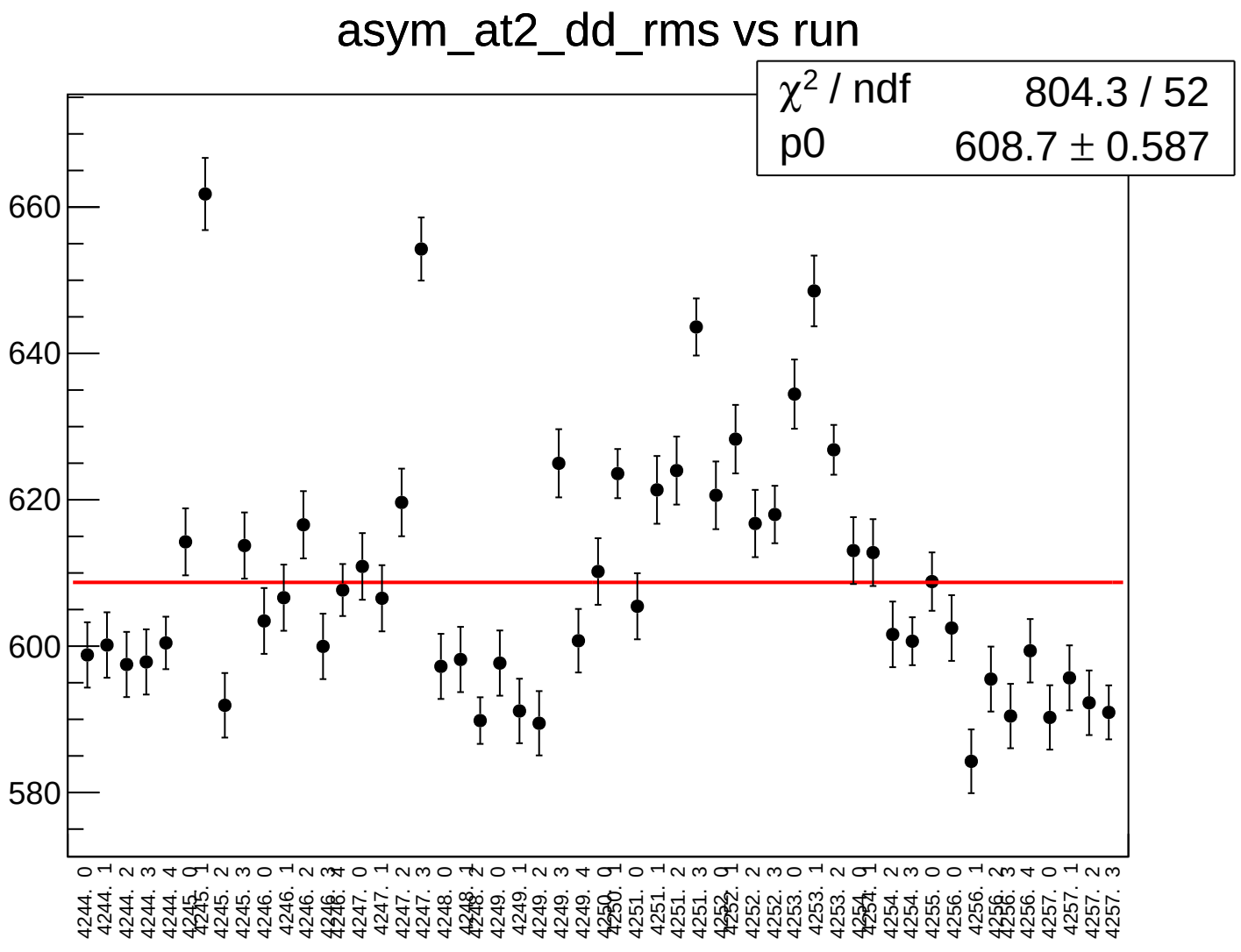

asym_at2_dd_correction_mean vs run
χ² / ndf 70.22 / 52
p0 315.7 ± 762.8
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −3.756
Std Dev 62.05
2
1
0
−1
−2

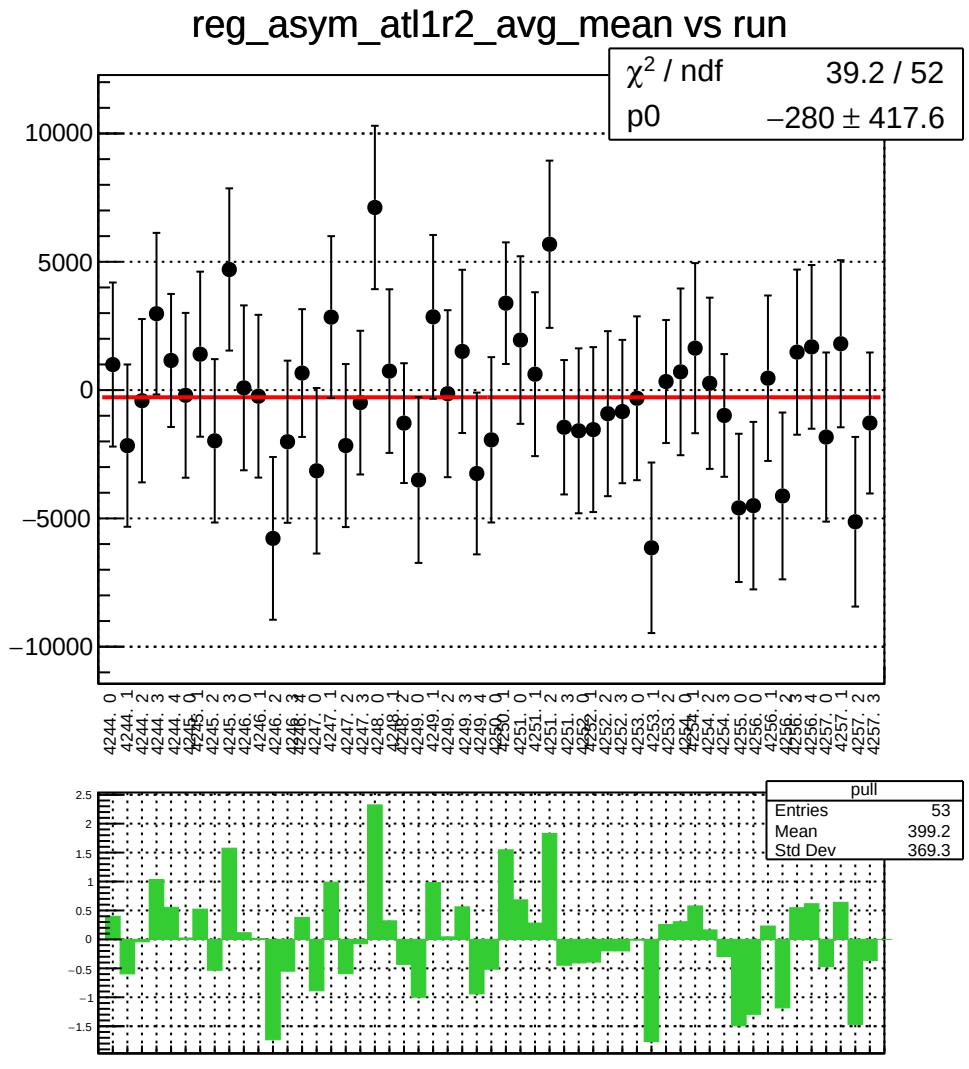

pull1D
Entries 53
Mean 0.009075
Std Dev 1.151
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

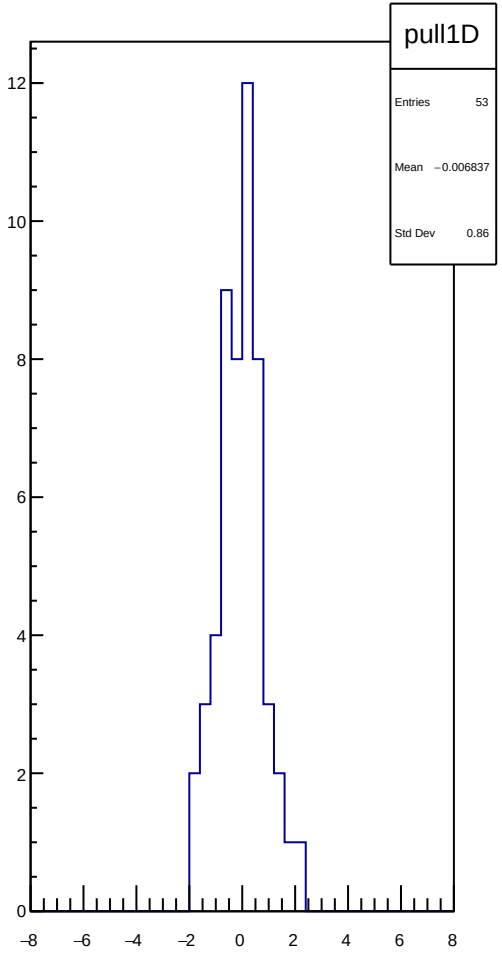

asym_at2_dd_correction_rms vs run
χ² / ndf 1152 / 52
p0 559.3 ± 0.5394
620
600
580
560
540
520
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

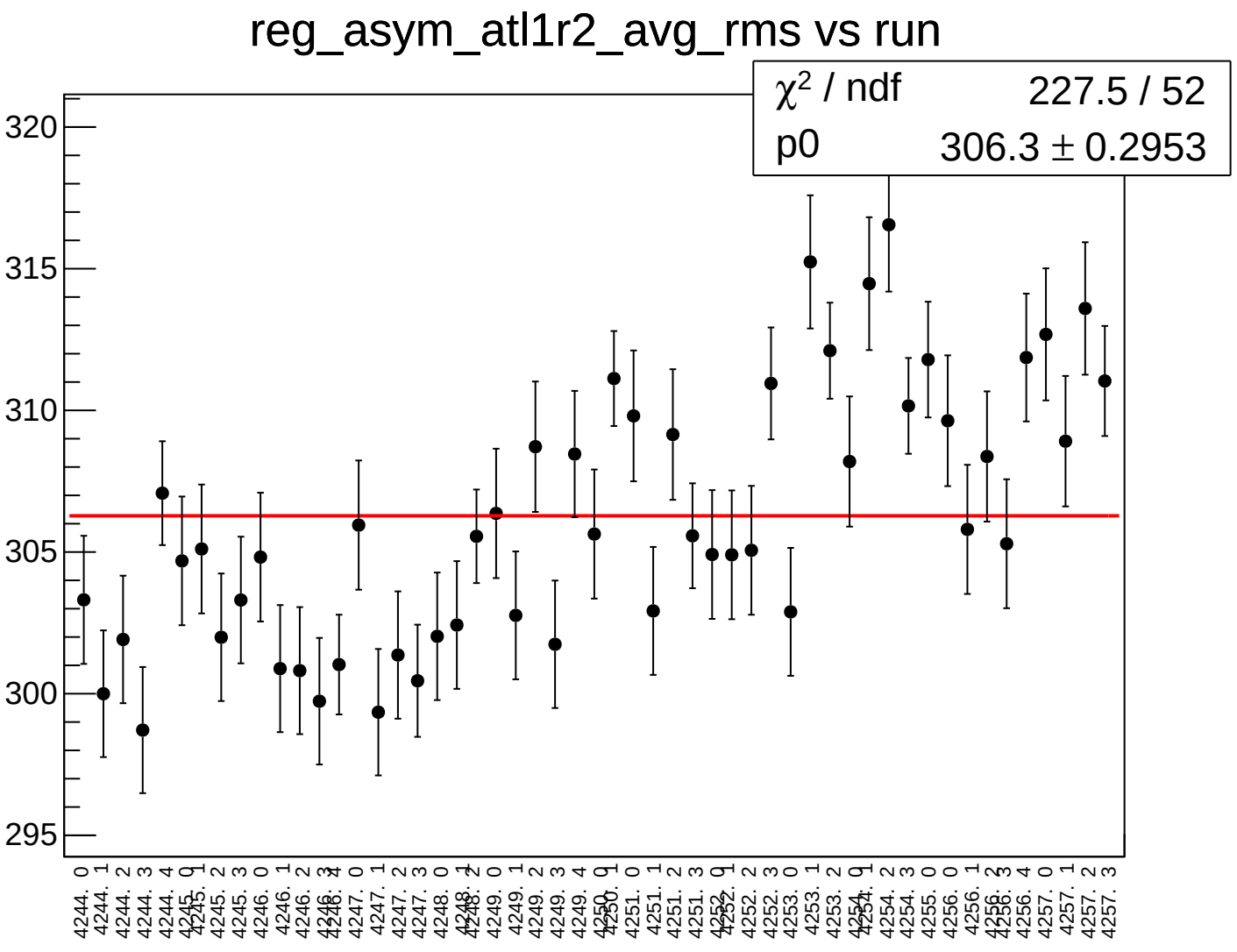

asym_at2_dd_mean vs run
χ² / ndf 72.2 / 52
p0 −707 ± 830.1
20000
10000
0
−10000
−20000
pull
Entries 53
Mean −147.4
Std Dev 202.1
3
2
1
0
−1
−2

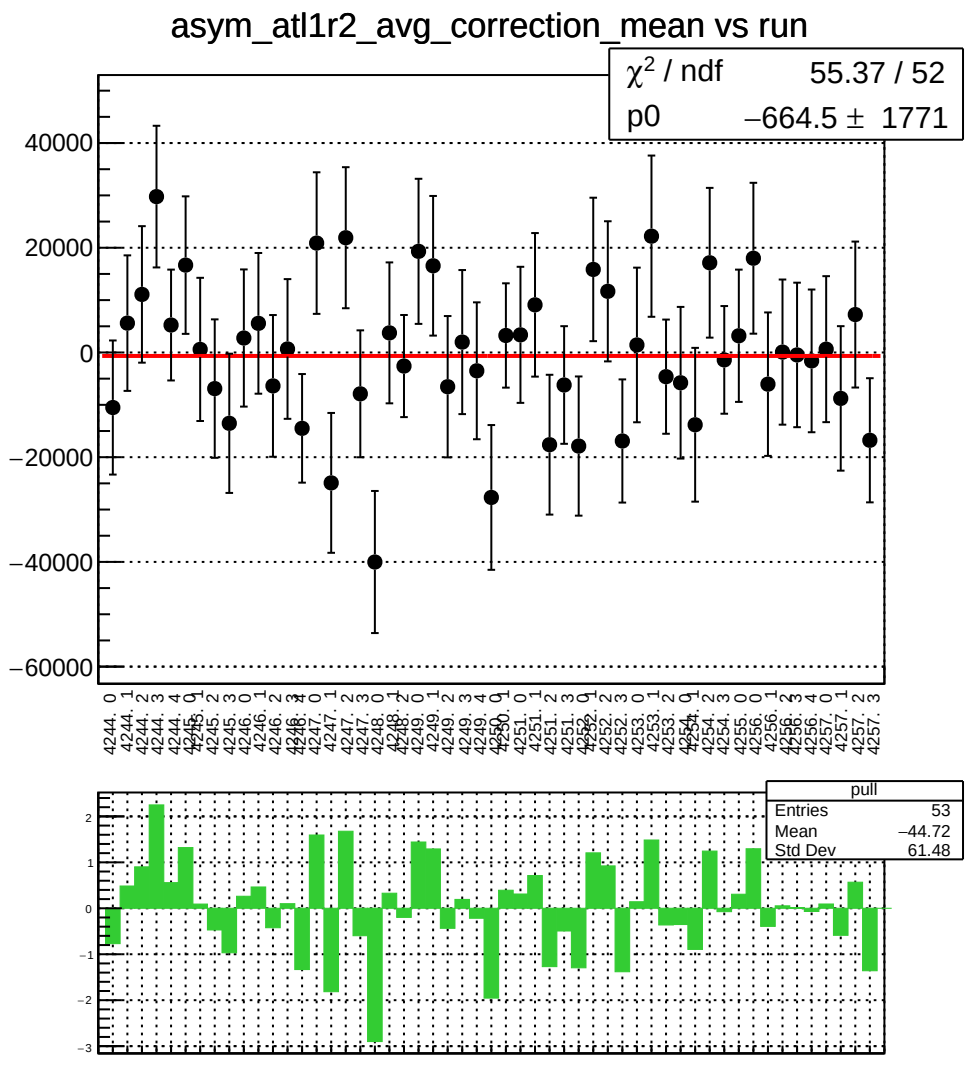

pull1D
Entries 53
Mean 0.004198
Std Dev 1.167
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

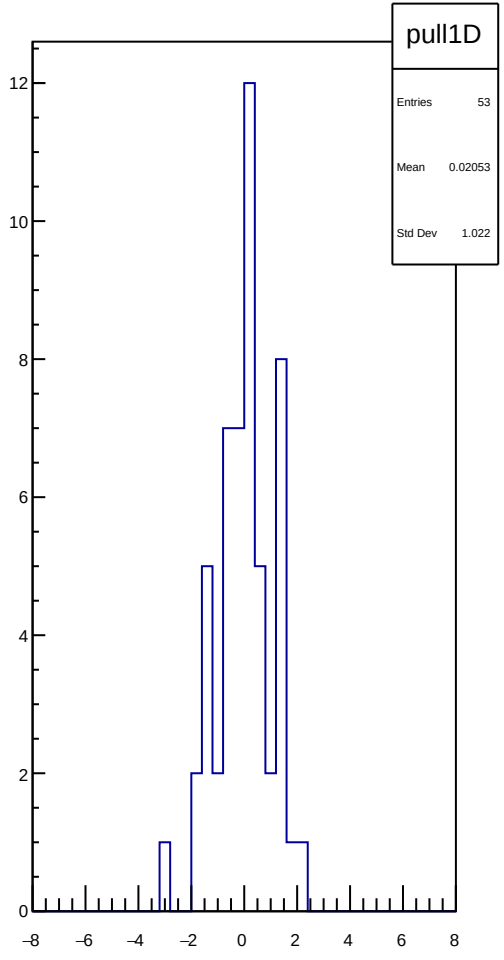

asym_at2_dd_rms vs run
χ² / ndf 804.3 / 52
p0 608.7 ± 0.587
660
640
620
600
580
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

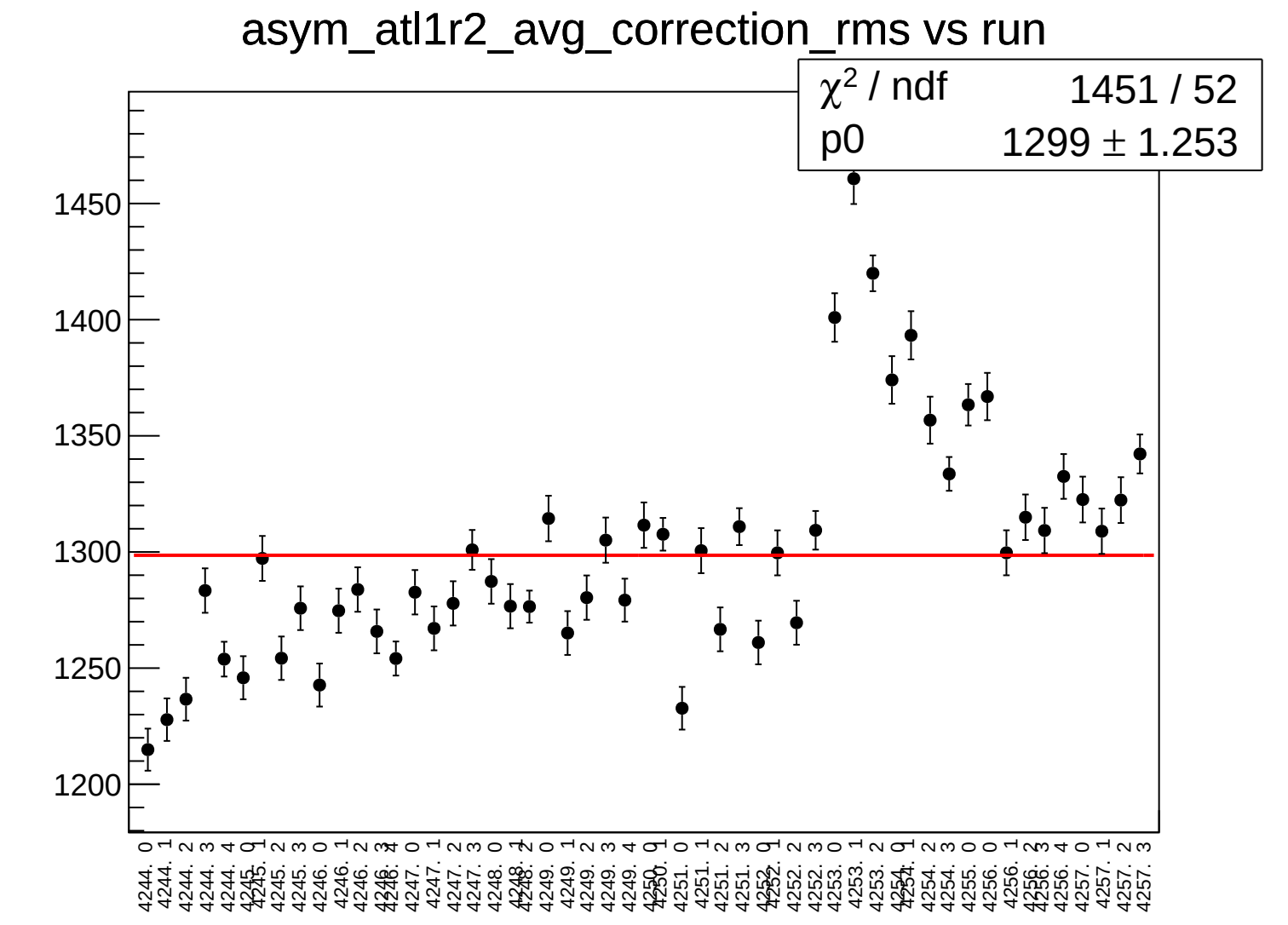

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 39.2 / 52
p0 −280 ± 417.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 399.2
Std Dev 369.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

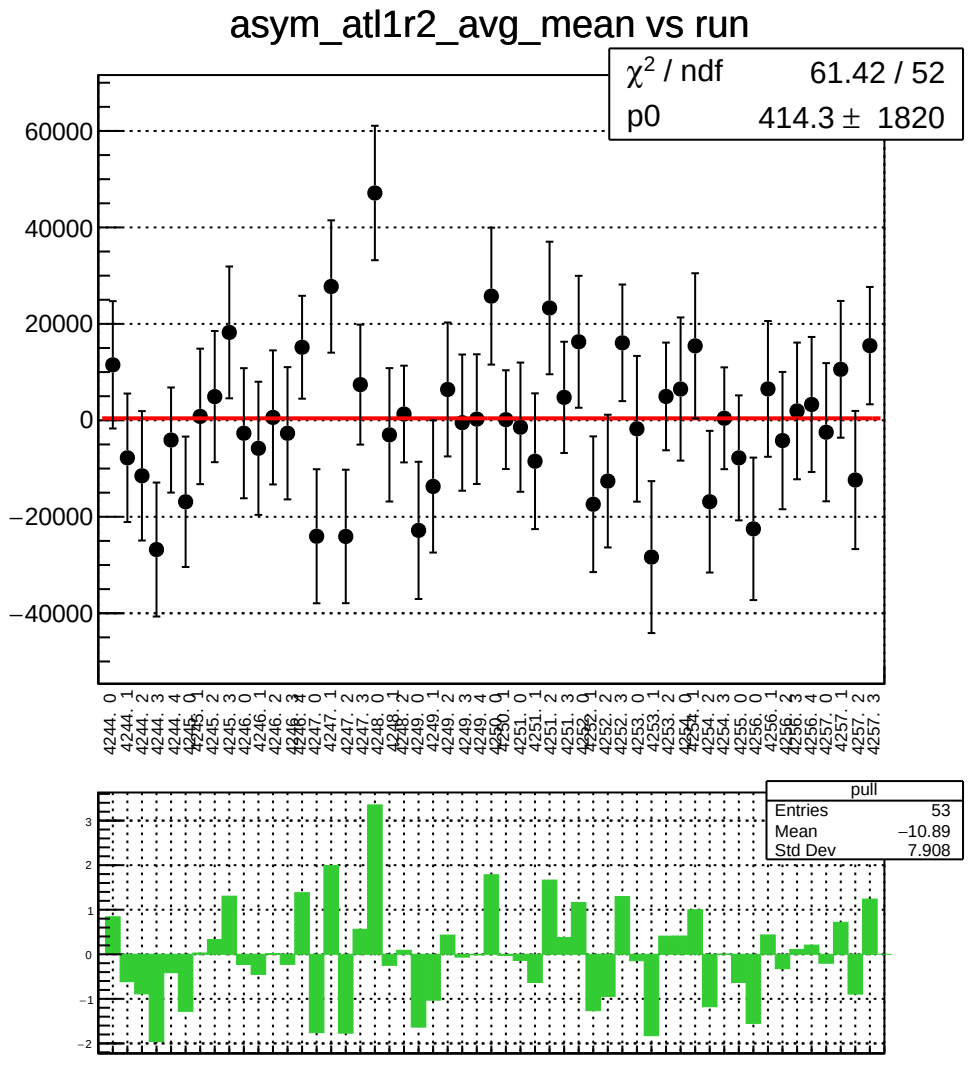

pull1D
Entries 53
Mean −0.006837
Std Dev 0.86
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

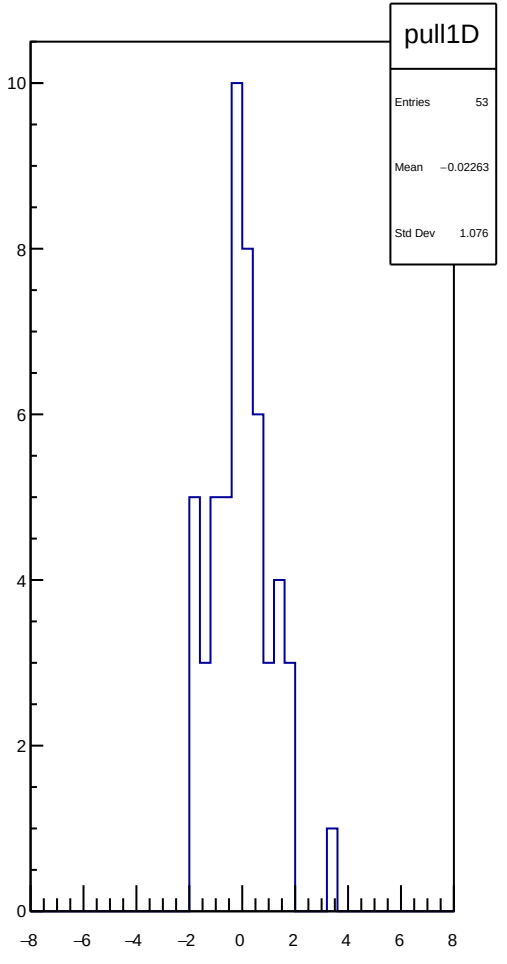

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 227.5 / 52
p0 306.3 ± 0.2953
320
315
310
305
300
295
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

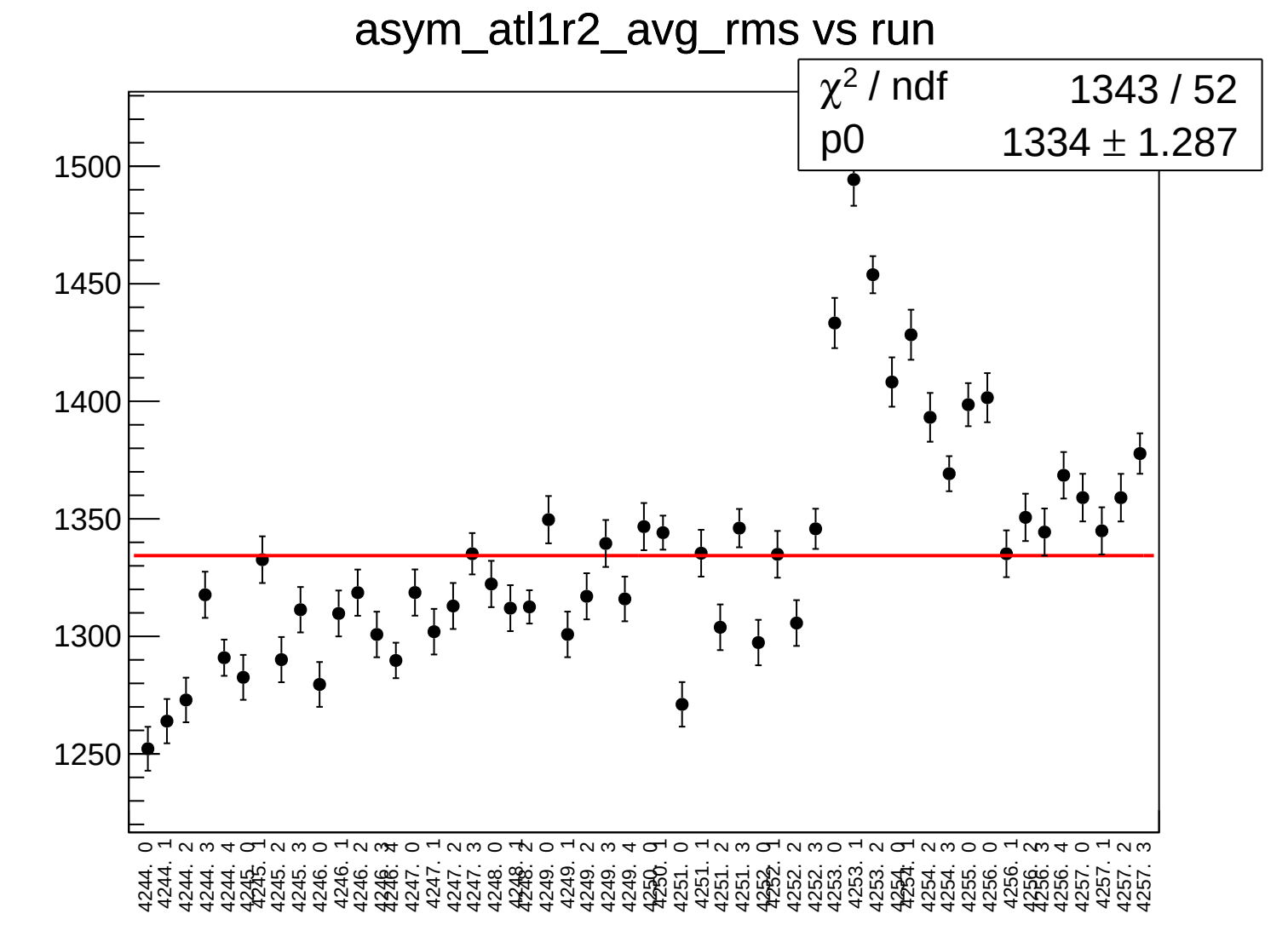

asym_atl1r2_avg_correction_mean vs run
χ² / ndf 55.37 / 52
p0 −664.5 ± 1771
pull
Entries 53
Mean −44.72
Std Dev 61.48

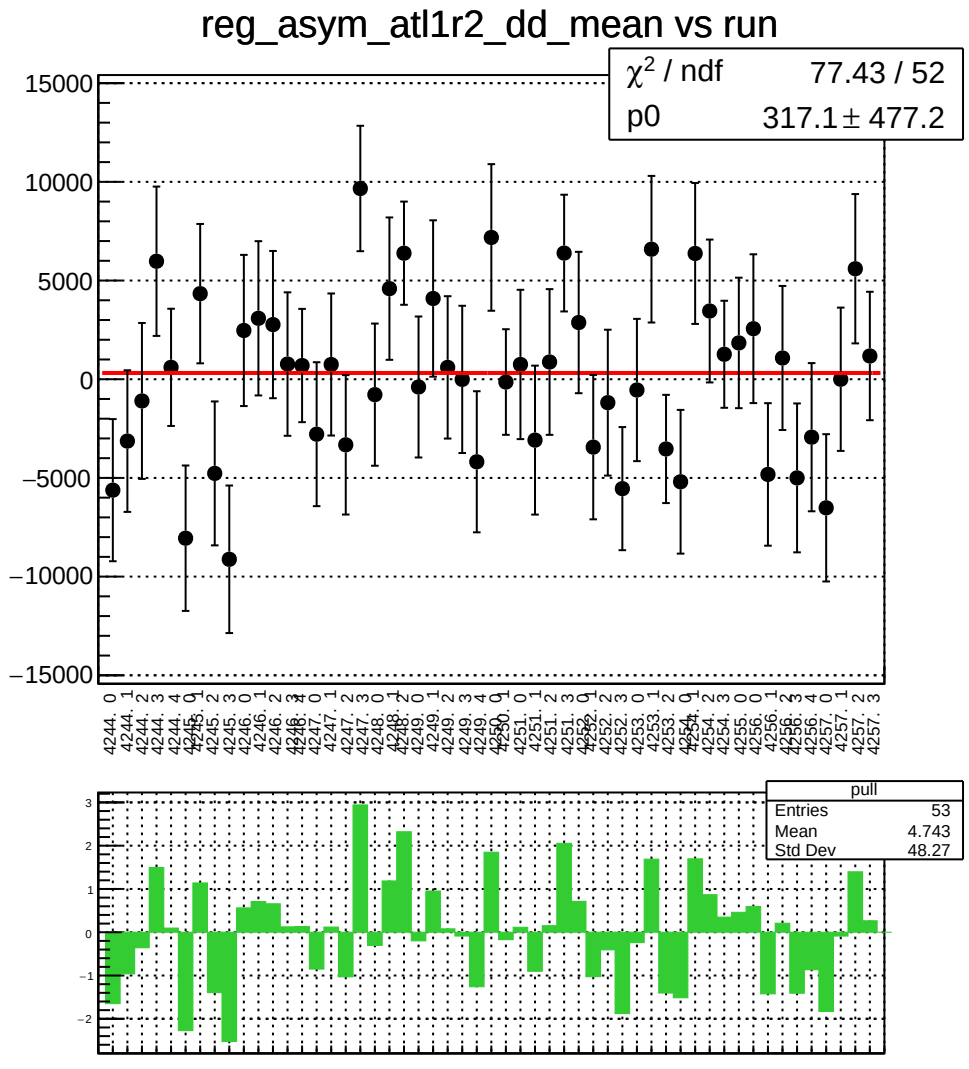

pull1D
Entries 53
Mean 0.02053
Std Dev 1.022

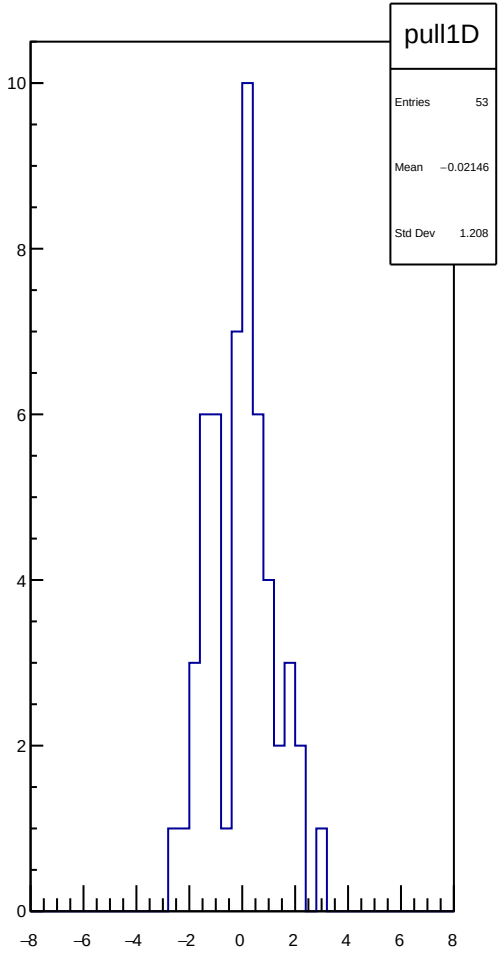

asym_atl1r2_avg_correction_rms vs run
χ² / ndf 1451 / 52
p0 1299 ± 1.253
1450
1400
1350
1300
1250
1200
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

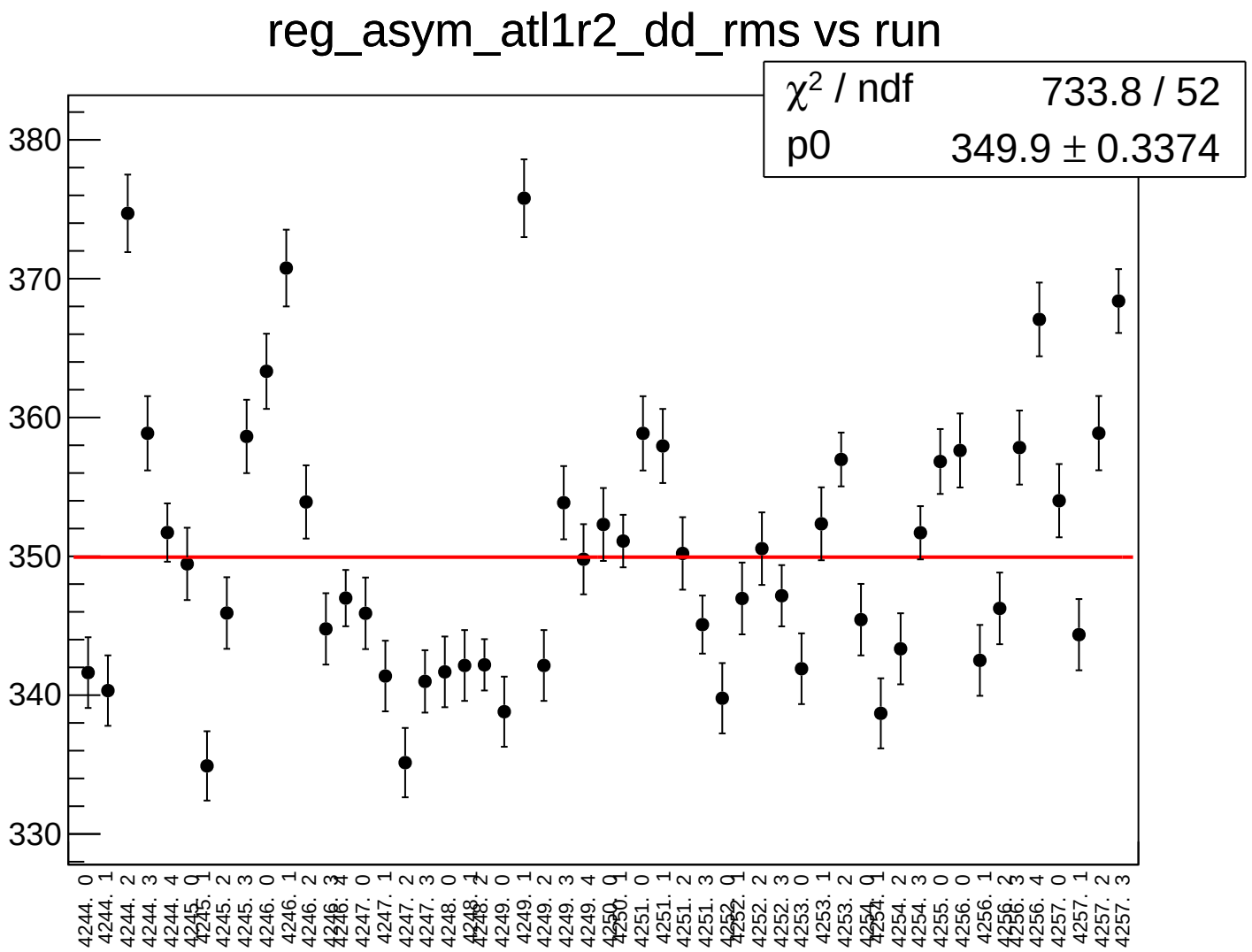

asym_atl1r2_avg_mean vs run
χ² / ndf 61.42 / 52
p0 414.3 ± 1820
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −10.89
Std Dev 7.908
3
2
1
0
−1
−2

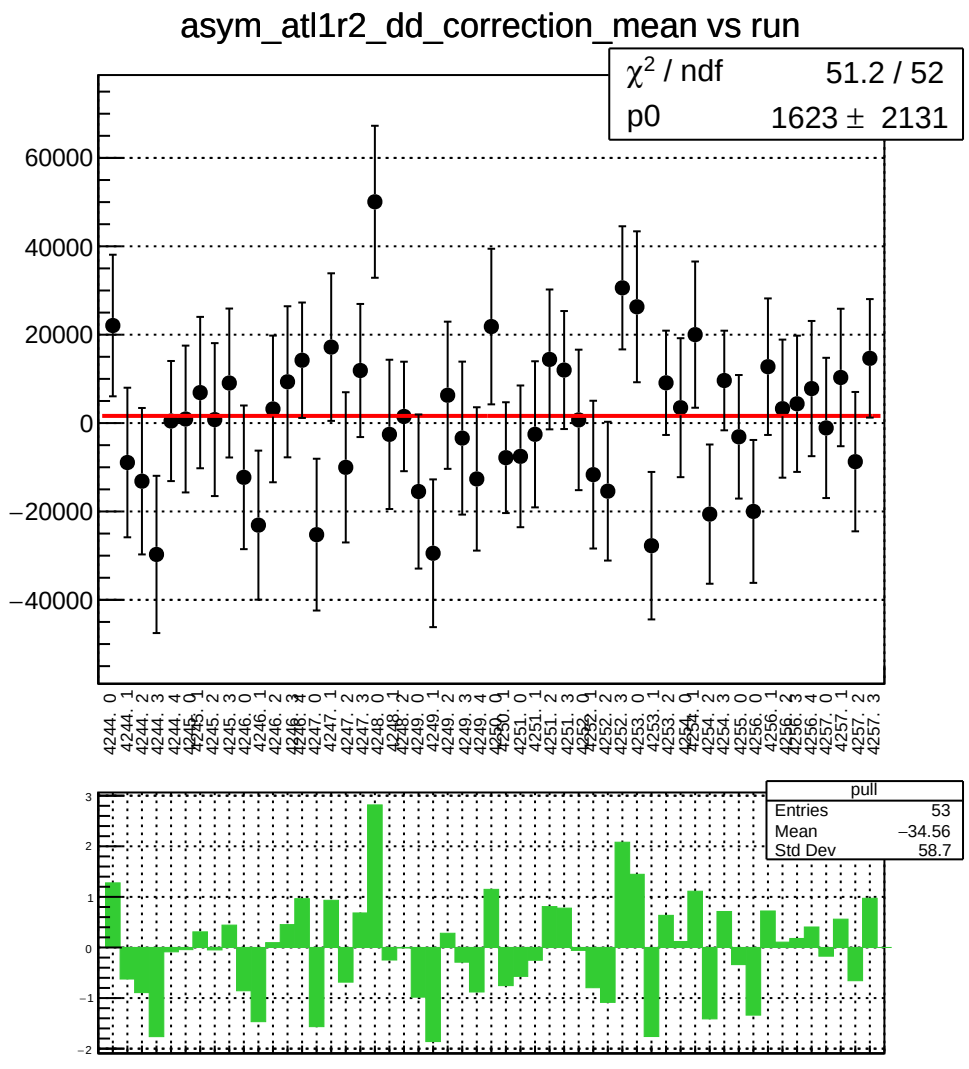

pull1D
Entries 53
Mean −0.02263
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

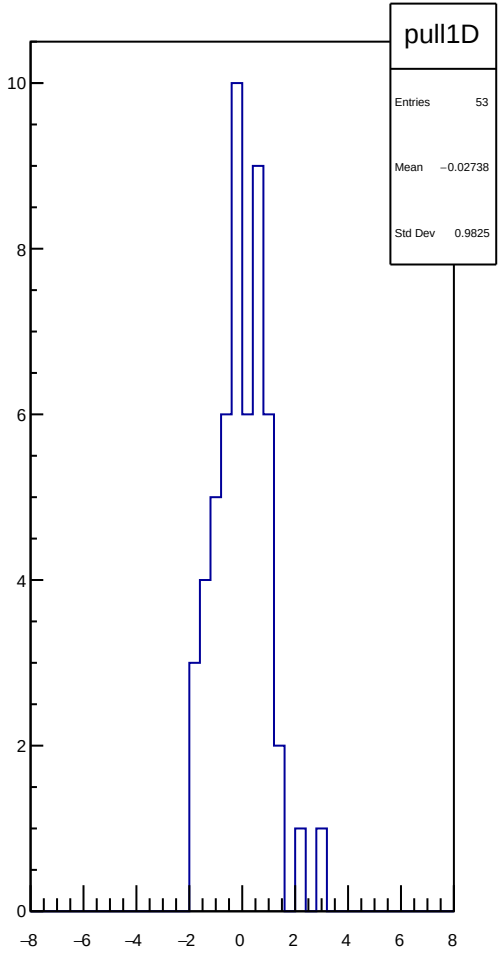

asym_atl1r2_avg_rms vs run
χ² / ndf 1343 / 52
p0 1334 ± 1.287
1500
1450
1400
1350
1300
1250
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

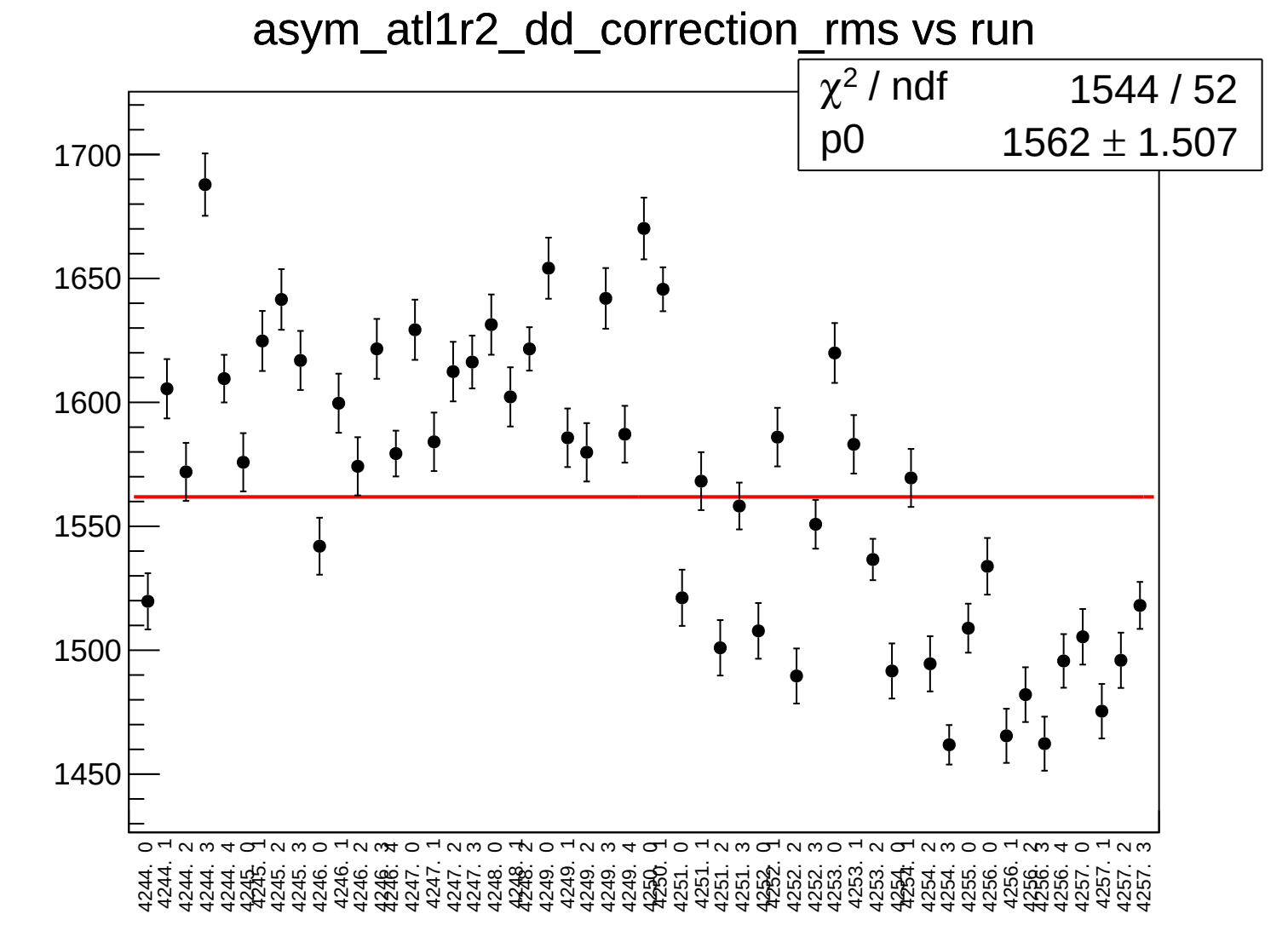

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 77.43 / 52
p0 317.1 ± 477.2
pull
Entries 53
Mean 4.743
Std Dev 48.27

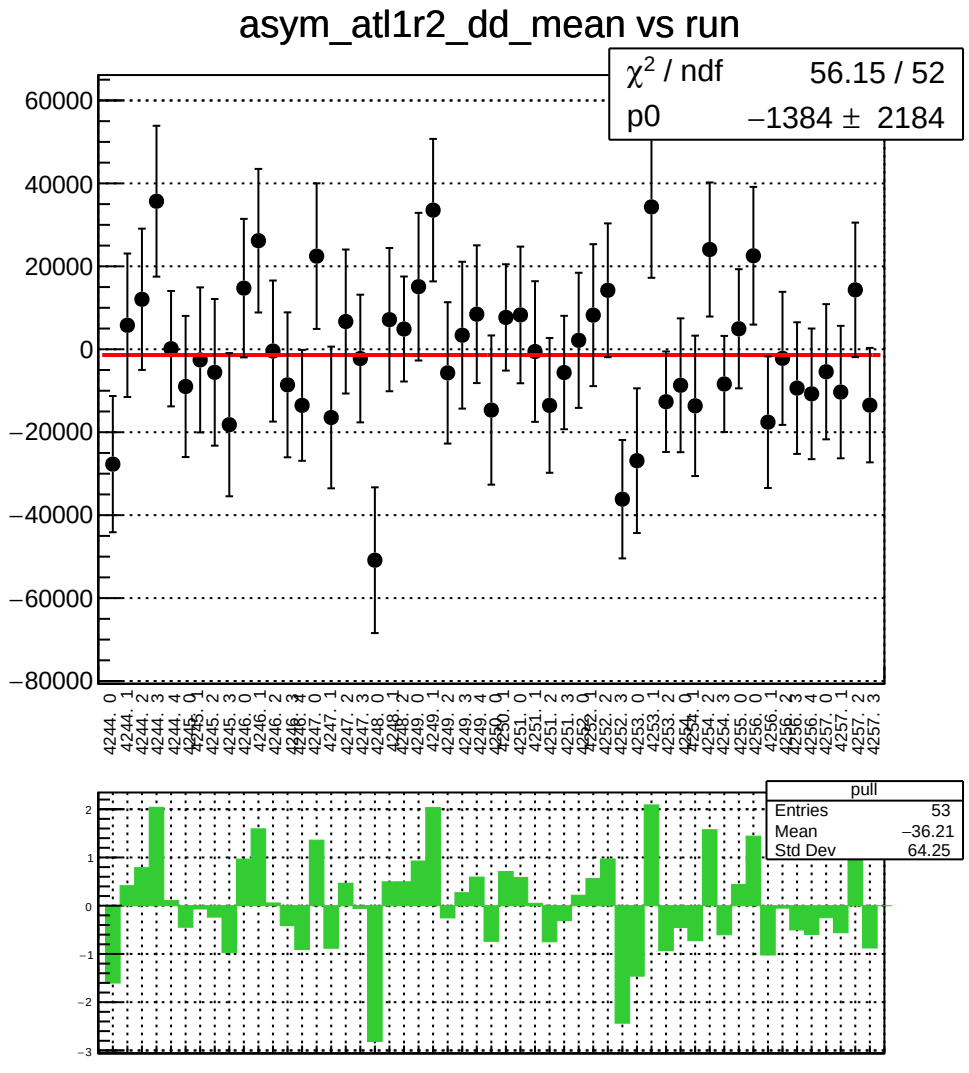

pull1D
Entries 53
Mean −0.02146
Std Dev 1.208

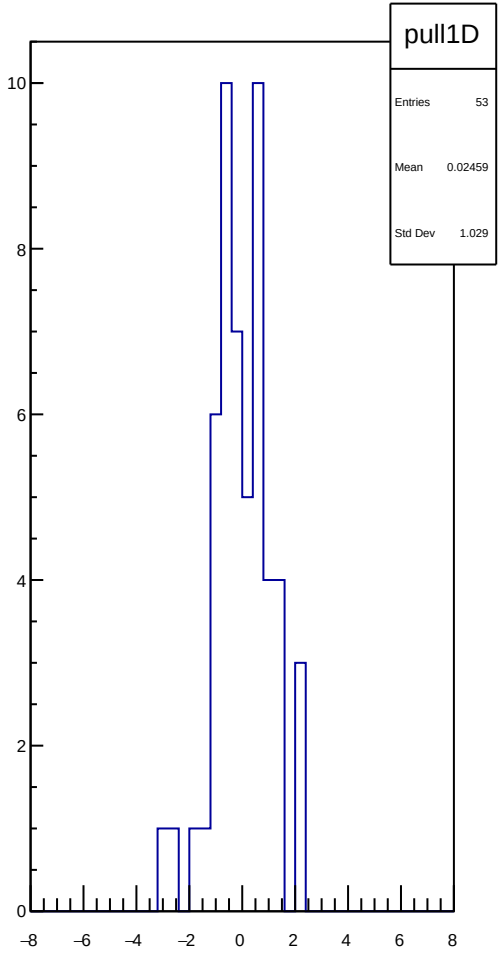

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 733.8 / 52
p0 349.9 ± 0.3374
380
370
360
350
340
330
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

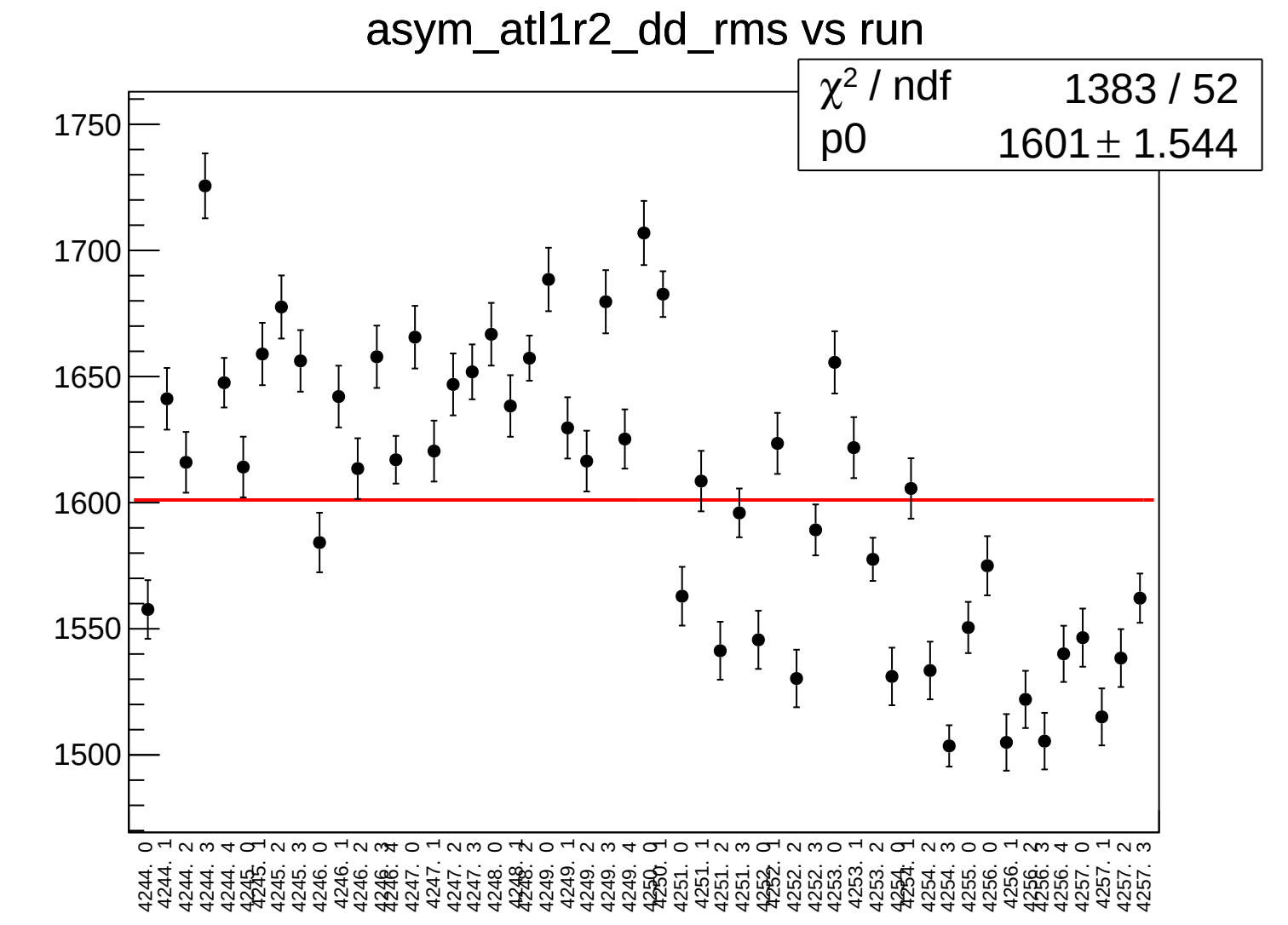

asym_atl1r2_dd_correction_mean vs run
χ² / ndf 51.2 / 52
p0 1623 ± 2131
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −34.56
Std Dev 58.7
3
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.02738
Std Dev 0.9825
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_correction_rms vs run
χ² / ndf 1544 / 52
p0 1562 ± 1.507
1700
1650
1600
1550
1500
1450
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_atl1r2_dd_mean vs run
χ² / ndf 56.15 / 52
p0 −1384 ± 2184
pull
Entries 53
Mean −36.21
Std Dev 64.25


pull1D
Entries 53
Mean 0.02459
Std Dev 1.029


asym_atl1r2_dd_rms vs run
χ² / ndf 1383 / 52
p0 1601 ± 1.544
1750
1700
1650
1600
1550
1500
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
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4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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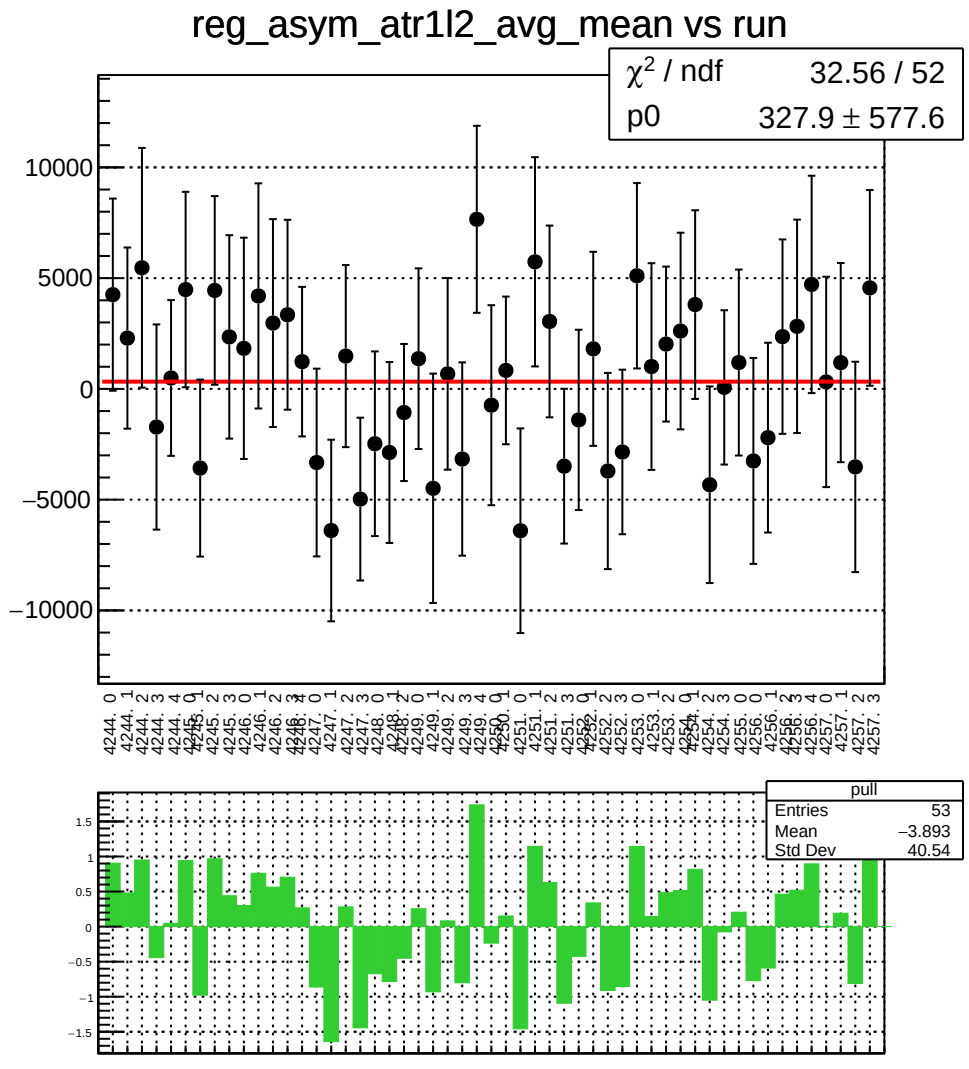
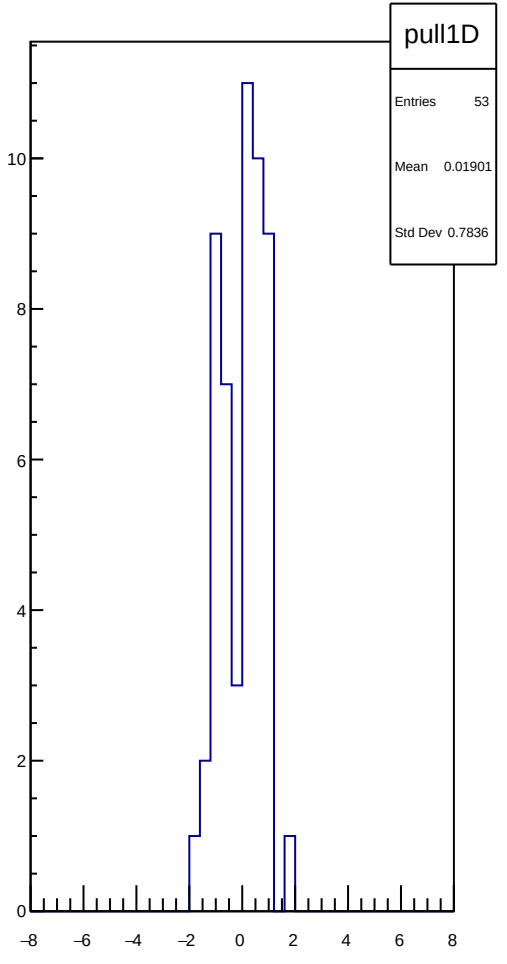
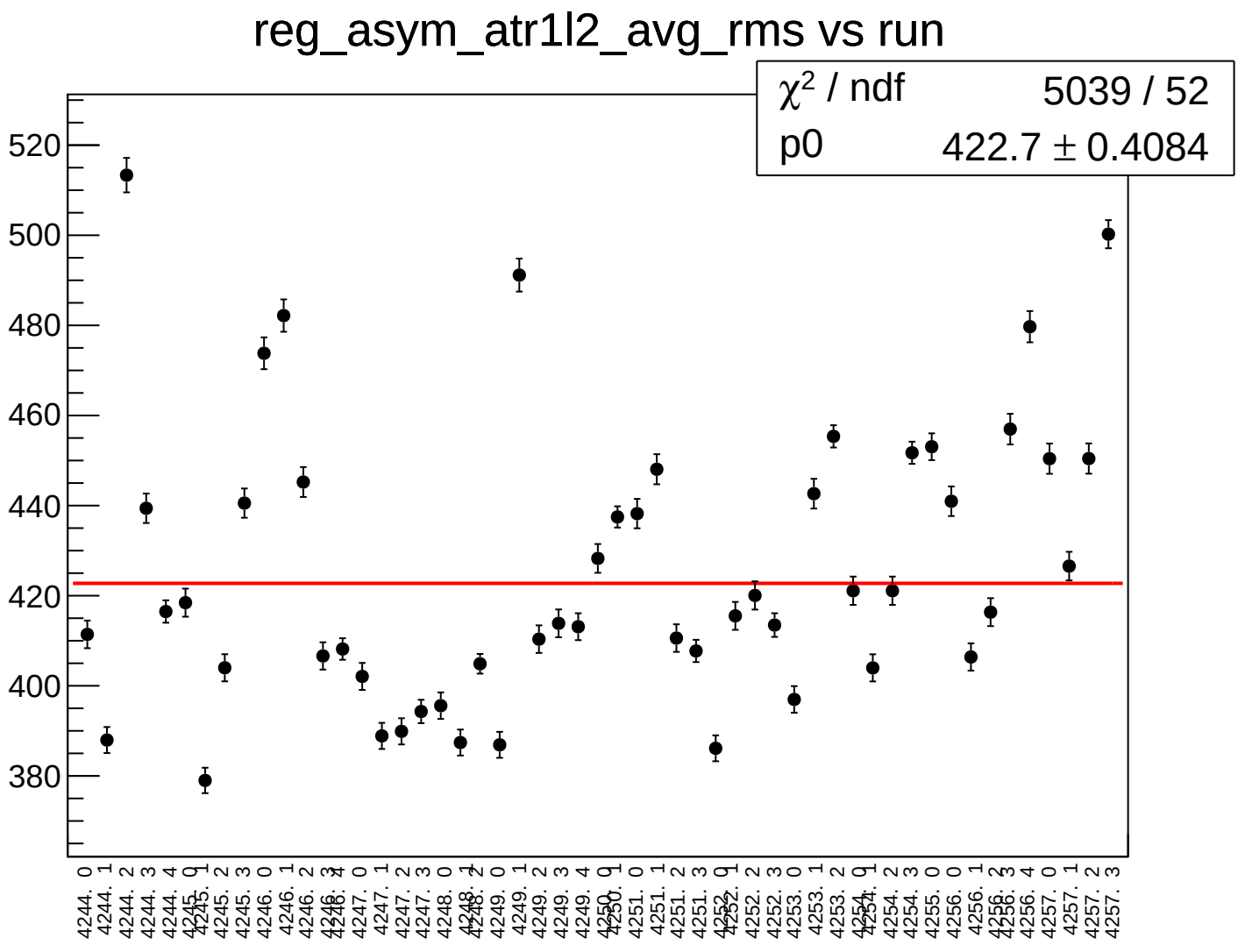
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


reg_asym_atr1l2_avg_mean vs run
χ² / ndf 32.56 / 52
p0 327.9 ± 577.6
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −3.893
Std Dev 40.54
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 53
Mean 0.01901
Std Dev 0.7836
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1l2_avg_rms vs run
χ² / ndf 5039 / 52
p0 422.7 ± 0.4084
520
500
480
460
440
420
400
380
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
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4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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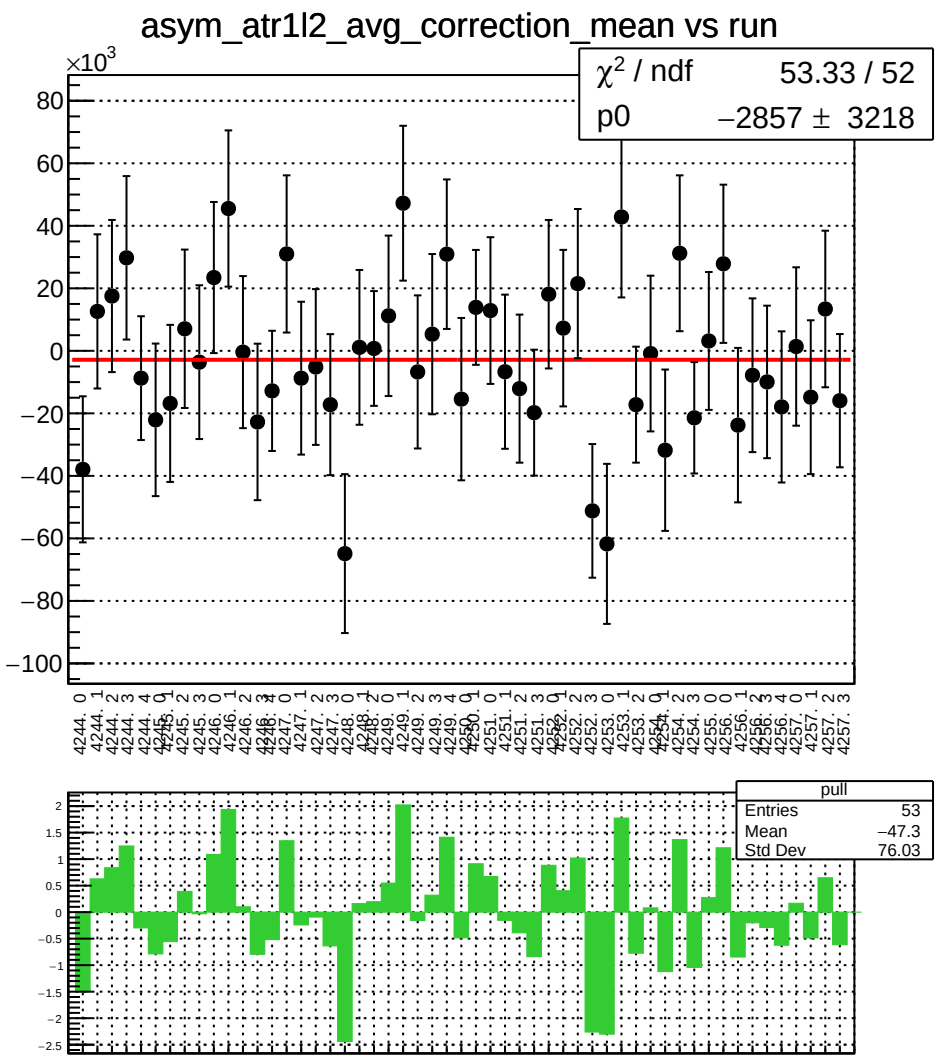
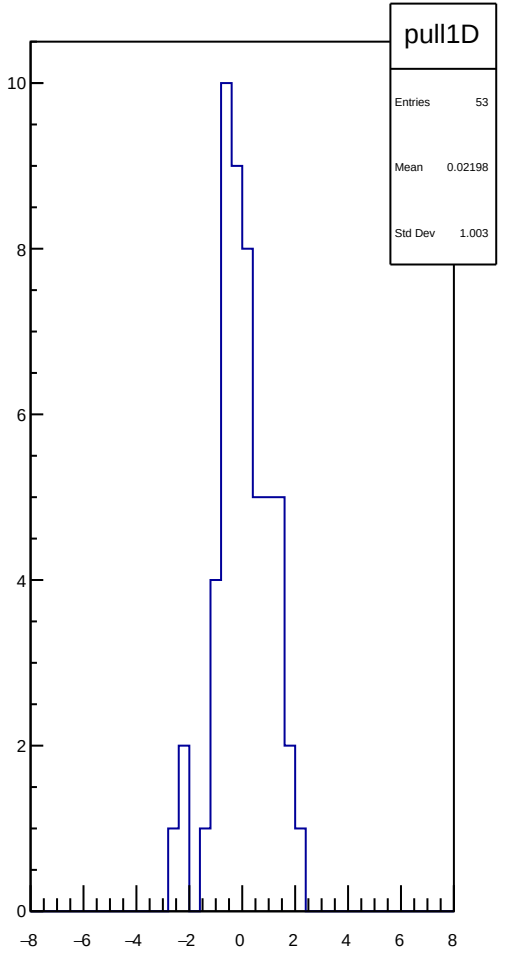
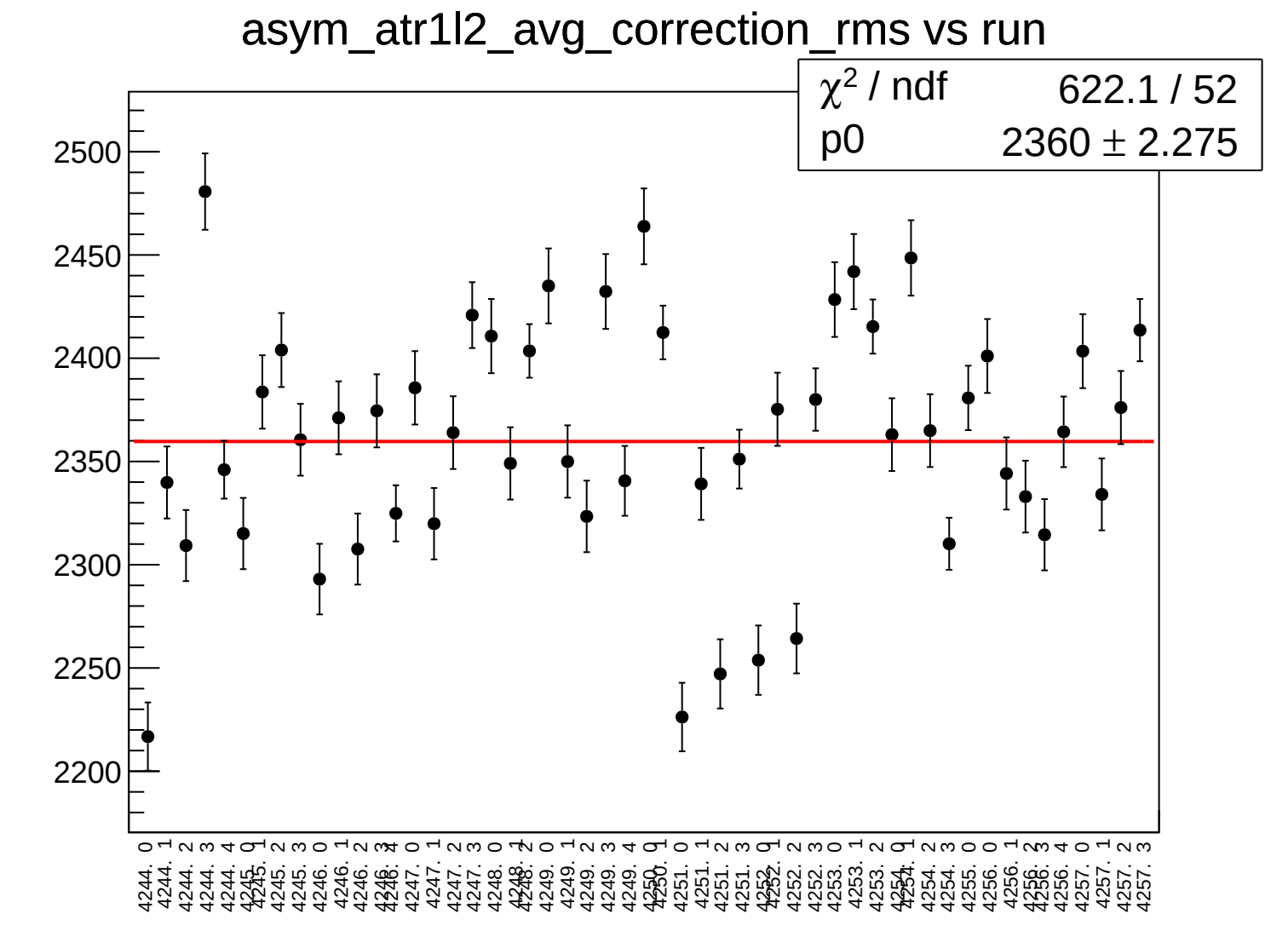
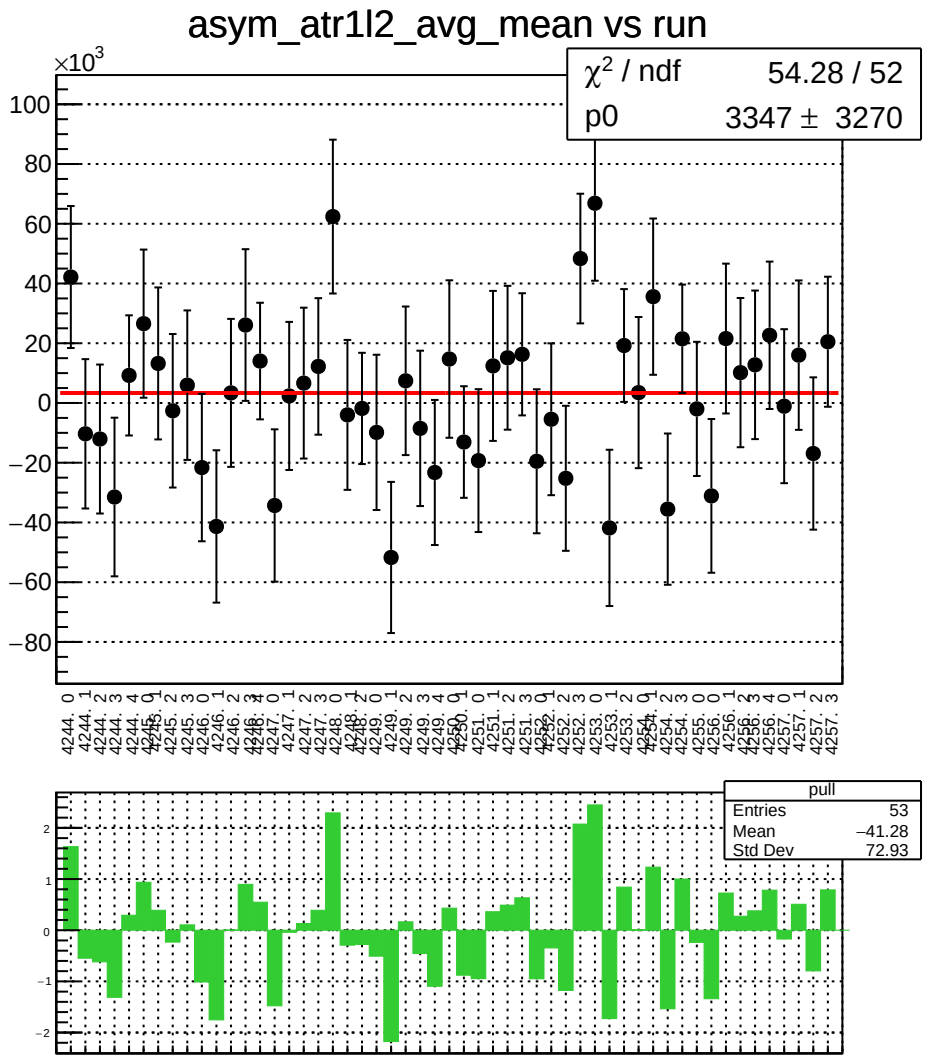
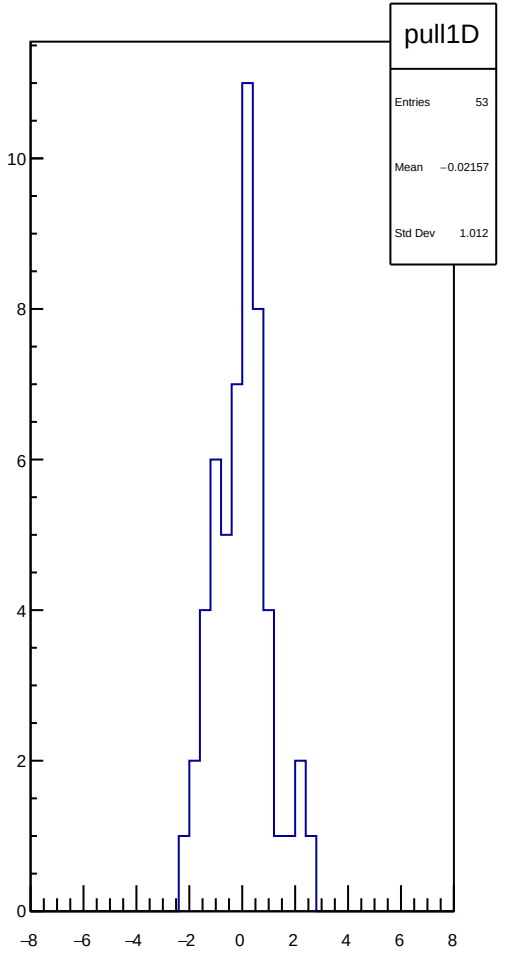
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

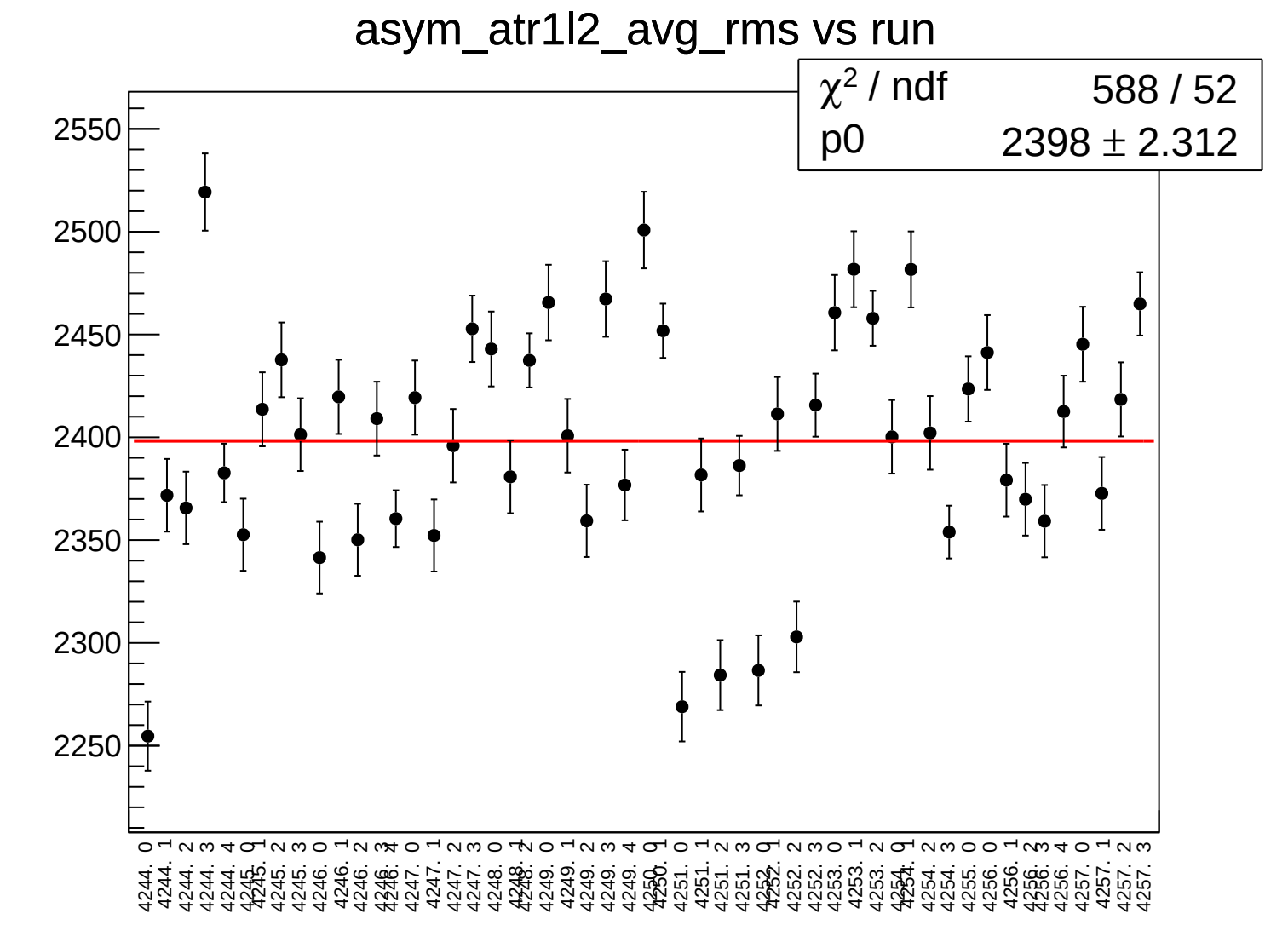

asym_atr1l2_avg_correction_mean vs run
χ² / ndf 53.33 / 52
p0 −2857 ± 3218
pull
Entries 53
Mean −47.3
Std Dev 76.03

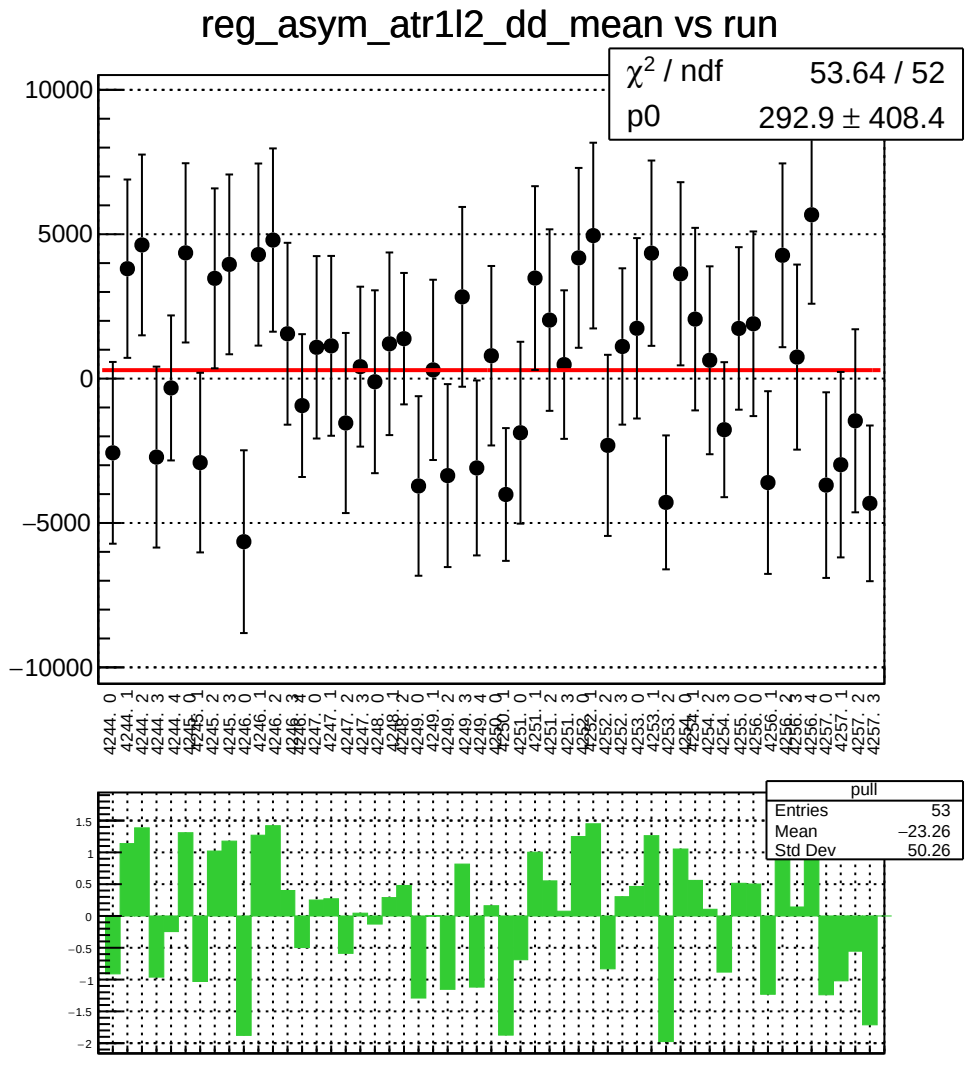

pull1D
Entries 53
Mean 0.02198
Std Dev 1.003

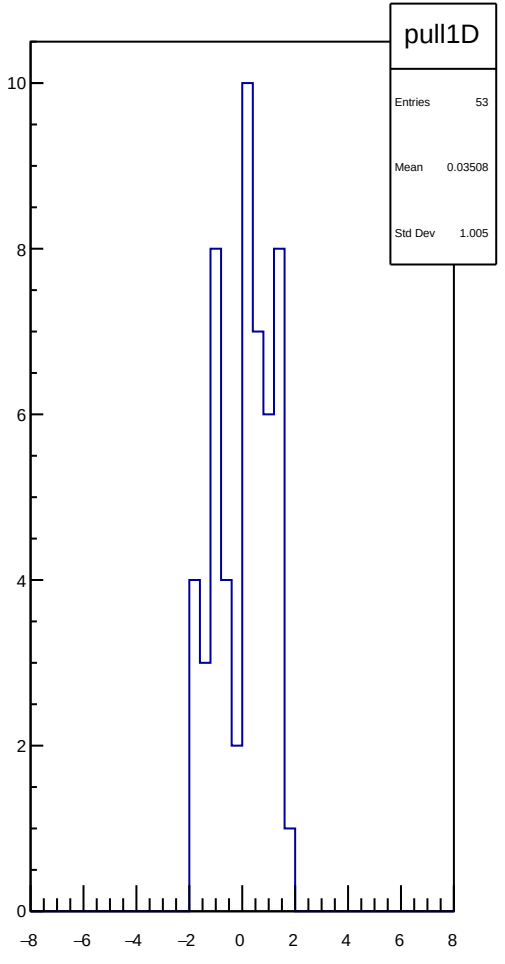

asym_atr1l2_avg_correction_rms vs run
χ² / ndf 622.1 / 52
p0 2360 ± 2.275
2500
2450
2400
2350
2300
2250
2200
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

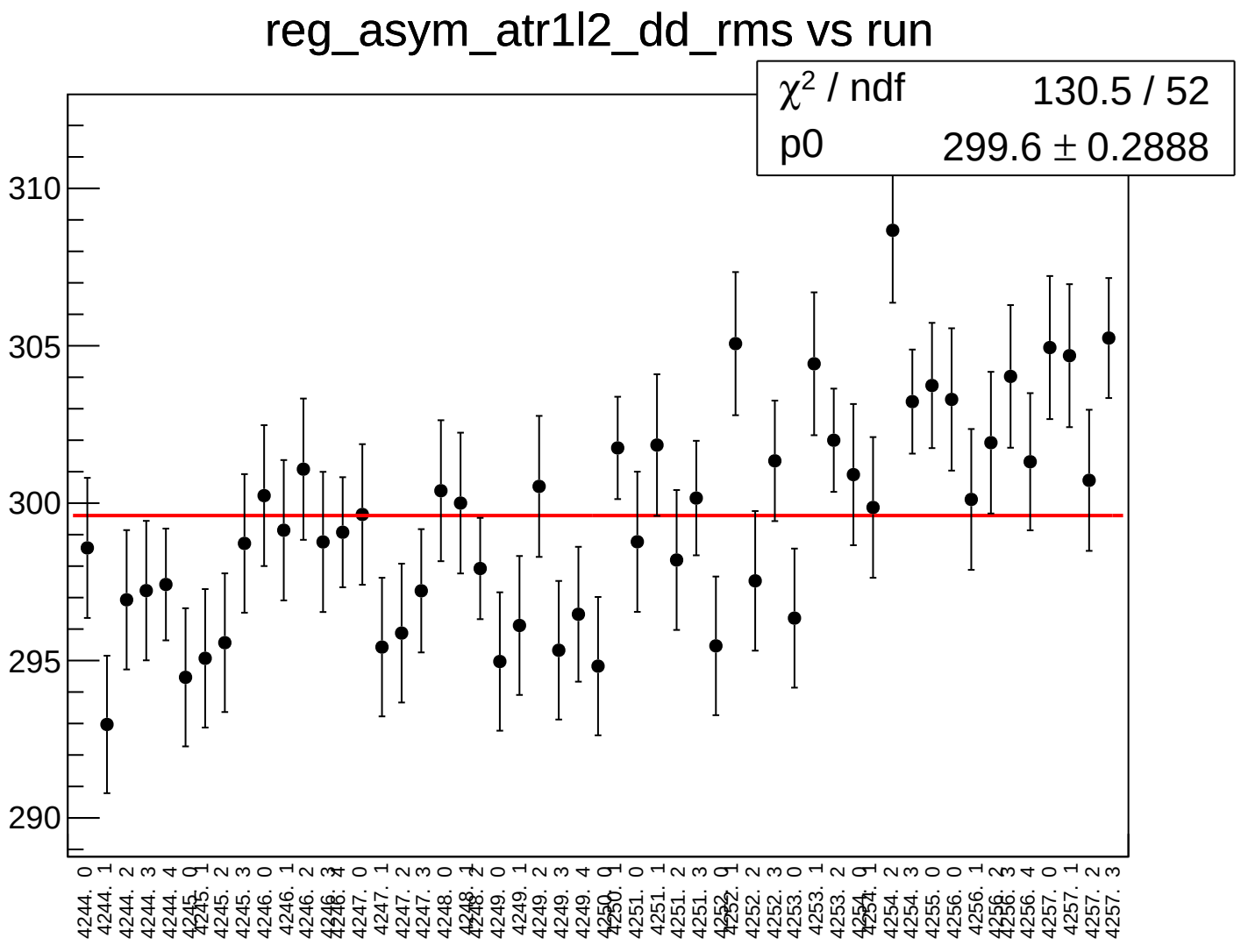

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 54.28 / 52
p0 3347 ± 3270
pull
Entries 53
Mean −41.28
Std Dev 72.93

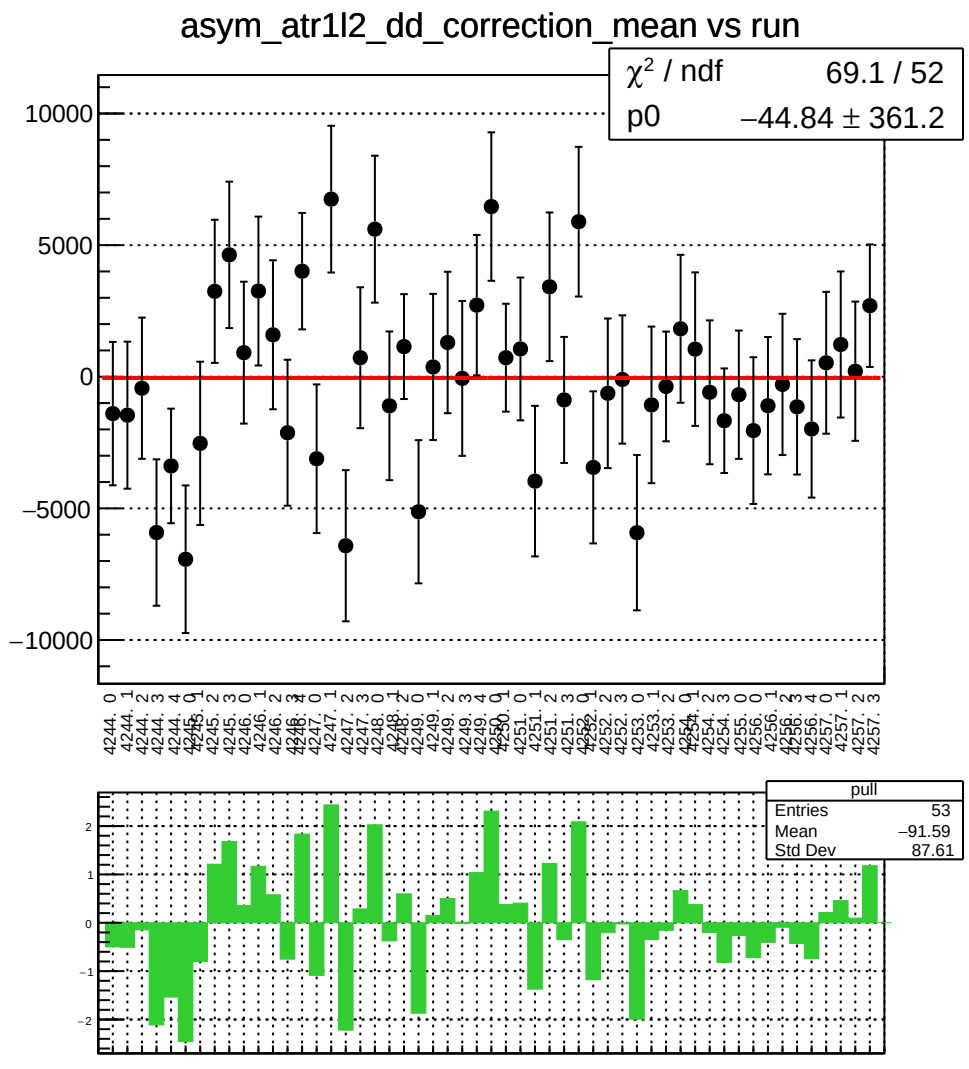

pull1D
Entries 53
Mean −0.02157
Std Dev 1.012

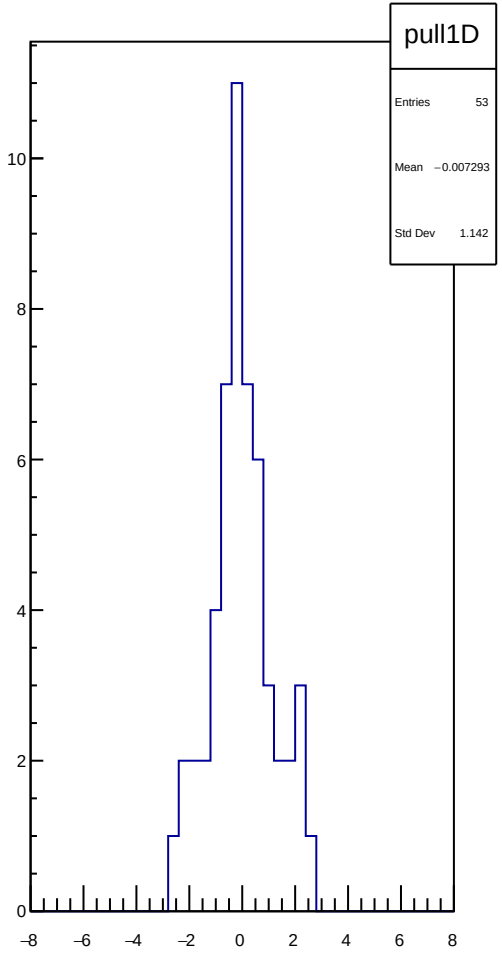

asym_atr1l2_avg_rms vs run
χ^2 / ndf 588 / 52
p0 2398 ± 2.312
2550
2500
2450
2400
2350
2300
2250
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

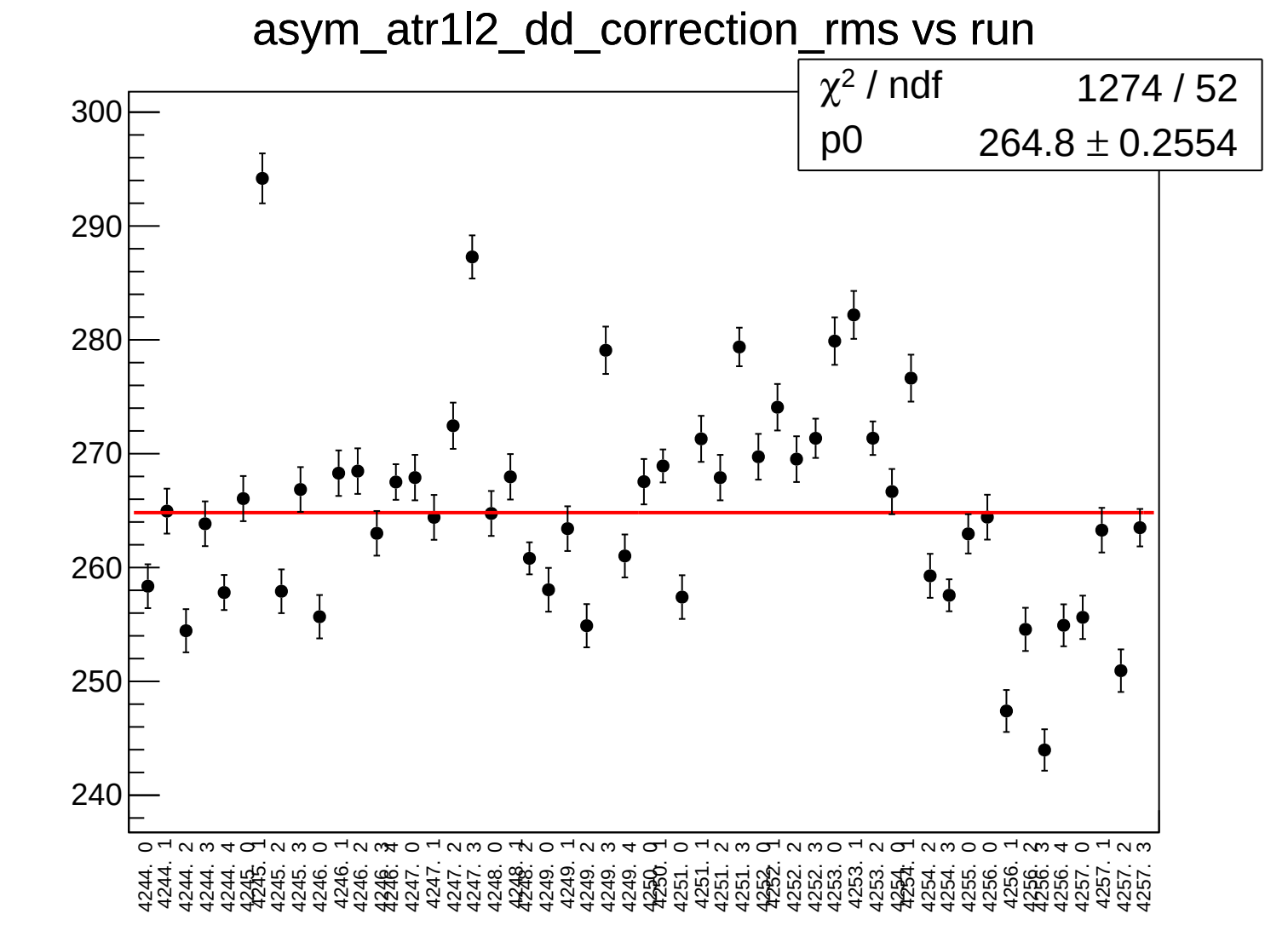

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 53.64 / 52
p0 292.9 ± 408.4
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −23.26
Std Dev 50.26
1.5
1
0.5
0
−0.5
−1
−1.5
−2

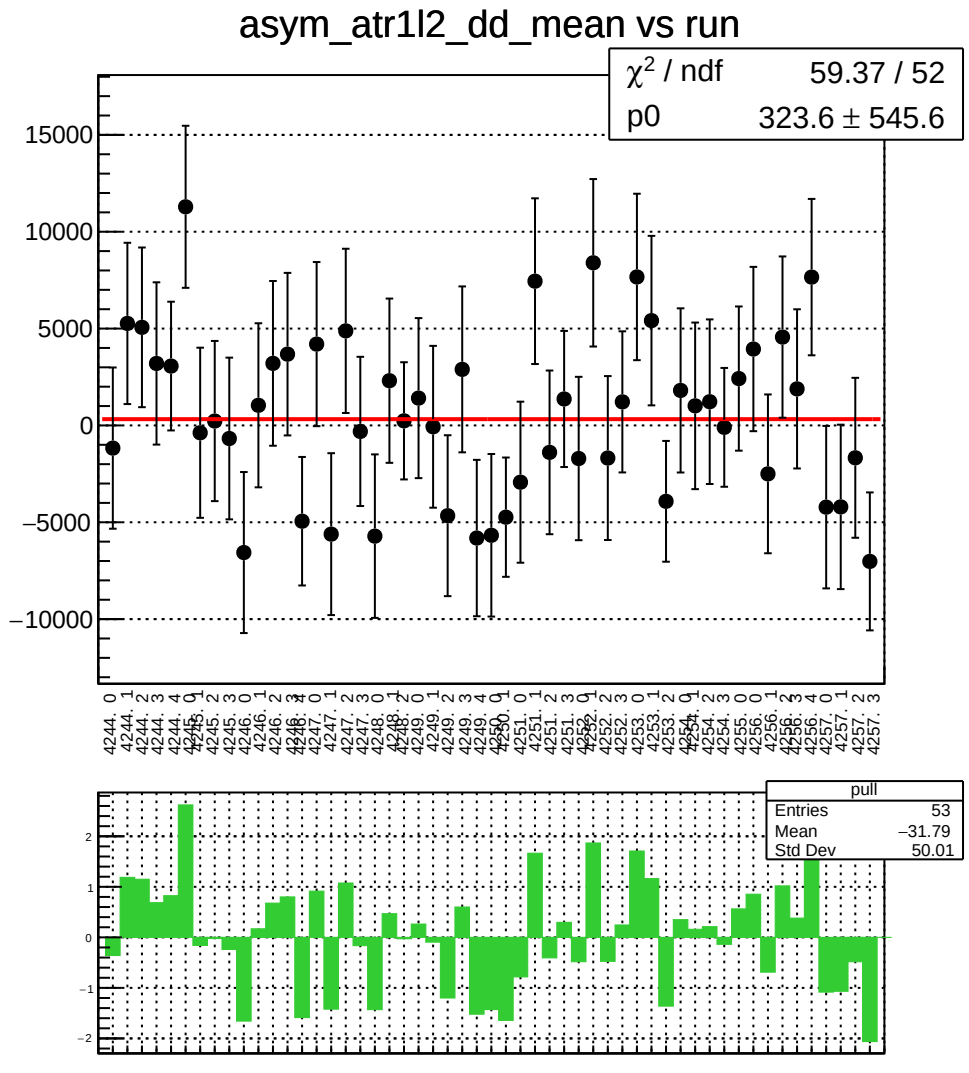

pull1D
Entries 53
Mean 0.03508
Std Dev 1.005
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

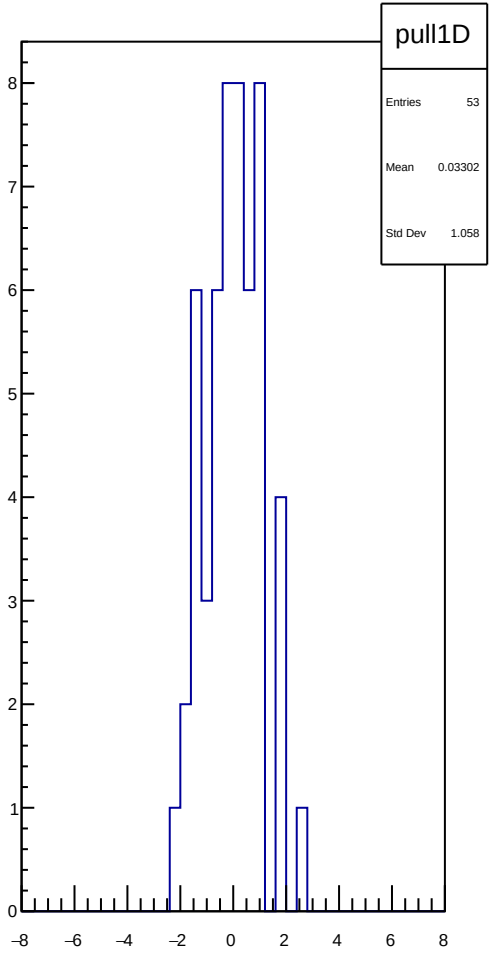

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 130.5 / 52
p0 299.6 ± 0.2888
310
305
300
295
290
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

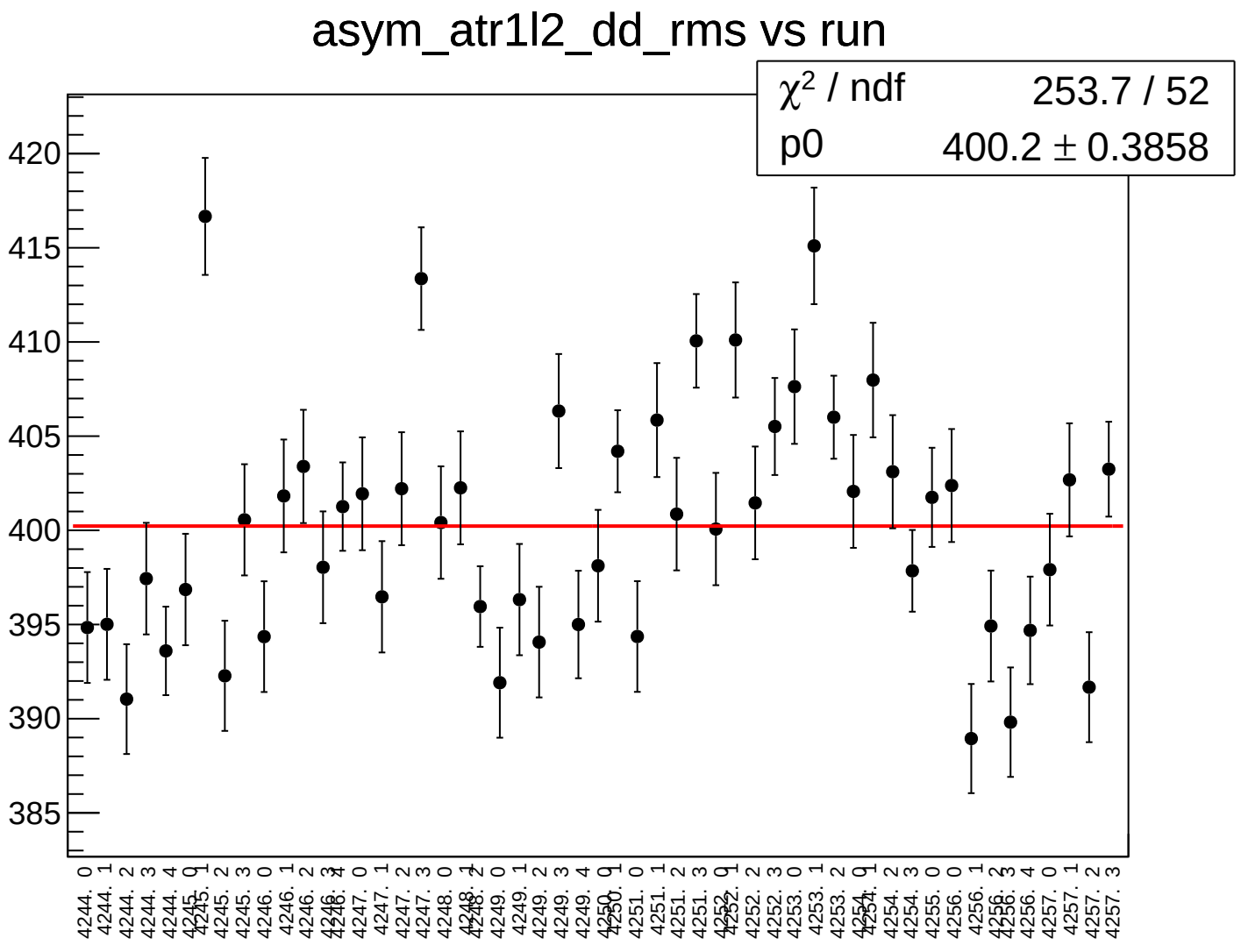

asym_atr1l2_dd_correction_mean vs run
χ² / ndf 69.1 / 52
p0 −44.84 ± 361.2
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −91.59
Std Dev 87.61
2
1
0
−1
−2

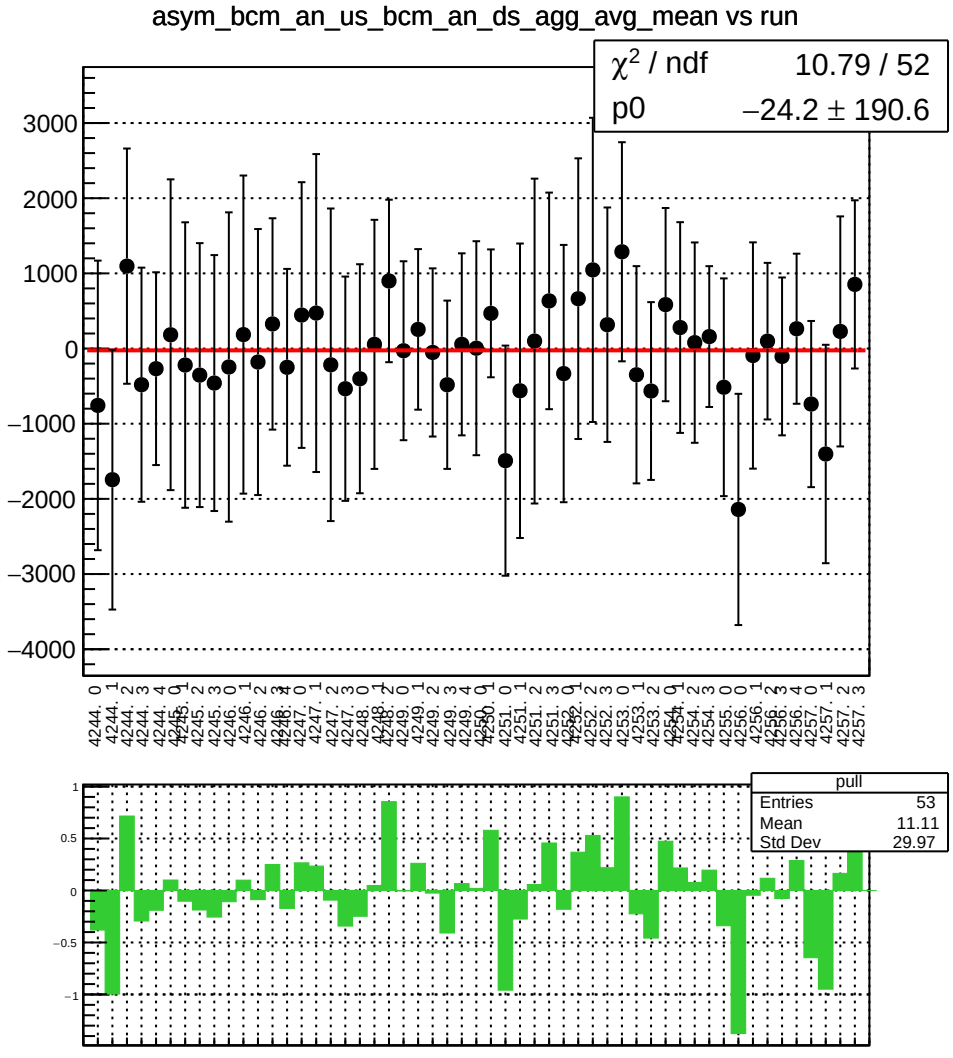

pull1D
Entries 53
Mean −0.007293
Std Dev 1.142
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

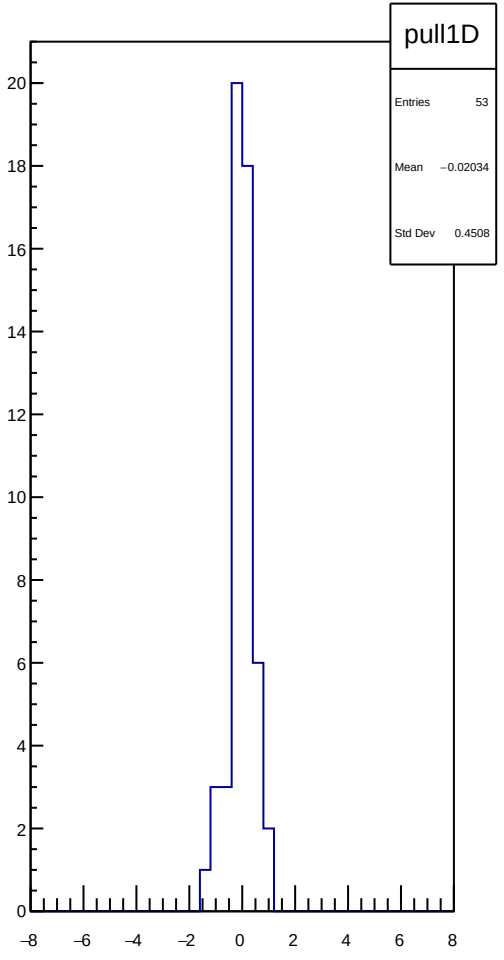

asym_atr1l2_dd_correction_rms vs run
χ² / ndf 1274 / 52
p0 264.8 ± 0.2554
300
290
280
270
260
250
240
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

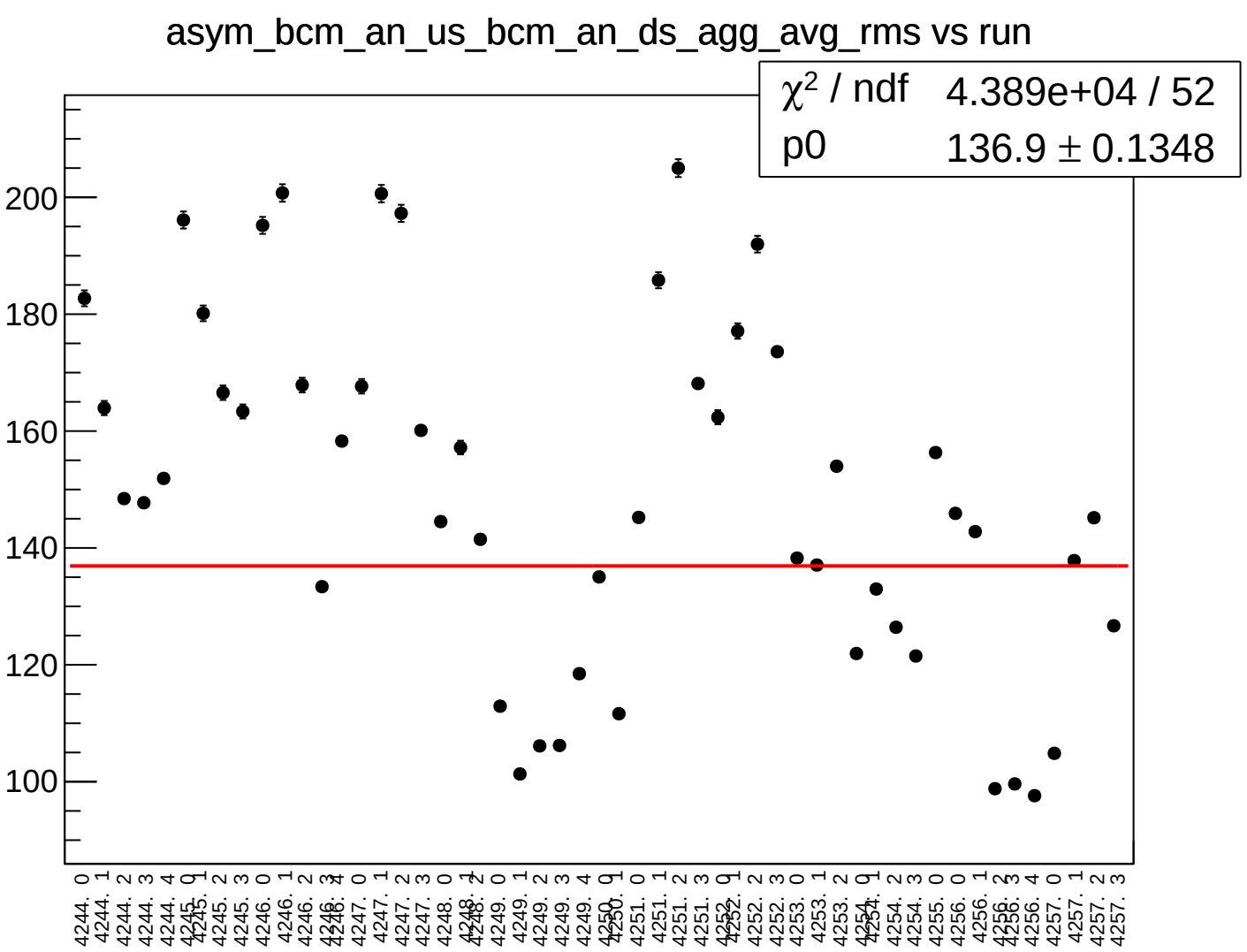

asym_atr1l2_dd_mean vs run
χ² / ndf 59.37 / 52
p0 323.6 ± 545.6
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean −31.79
Std Dev 50.01
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.03302
Std Dev 1.058
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_rms vs run
χ² / ndf 253.7 / 52
p0 400.2 ± 0.3858
420
415
410
405
400
395
390
385
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 10.79 / 52
p0 −24.2 ± 190.6
pull
Entries 53
Mean 11.11
Std Dev 29.97


pull1D
Entries 53
Mean −0.02034
Std Dev 0.4508


asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4.389e+04 / 52
p0 136.9 ± 0.1348
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
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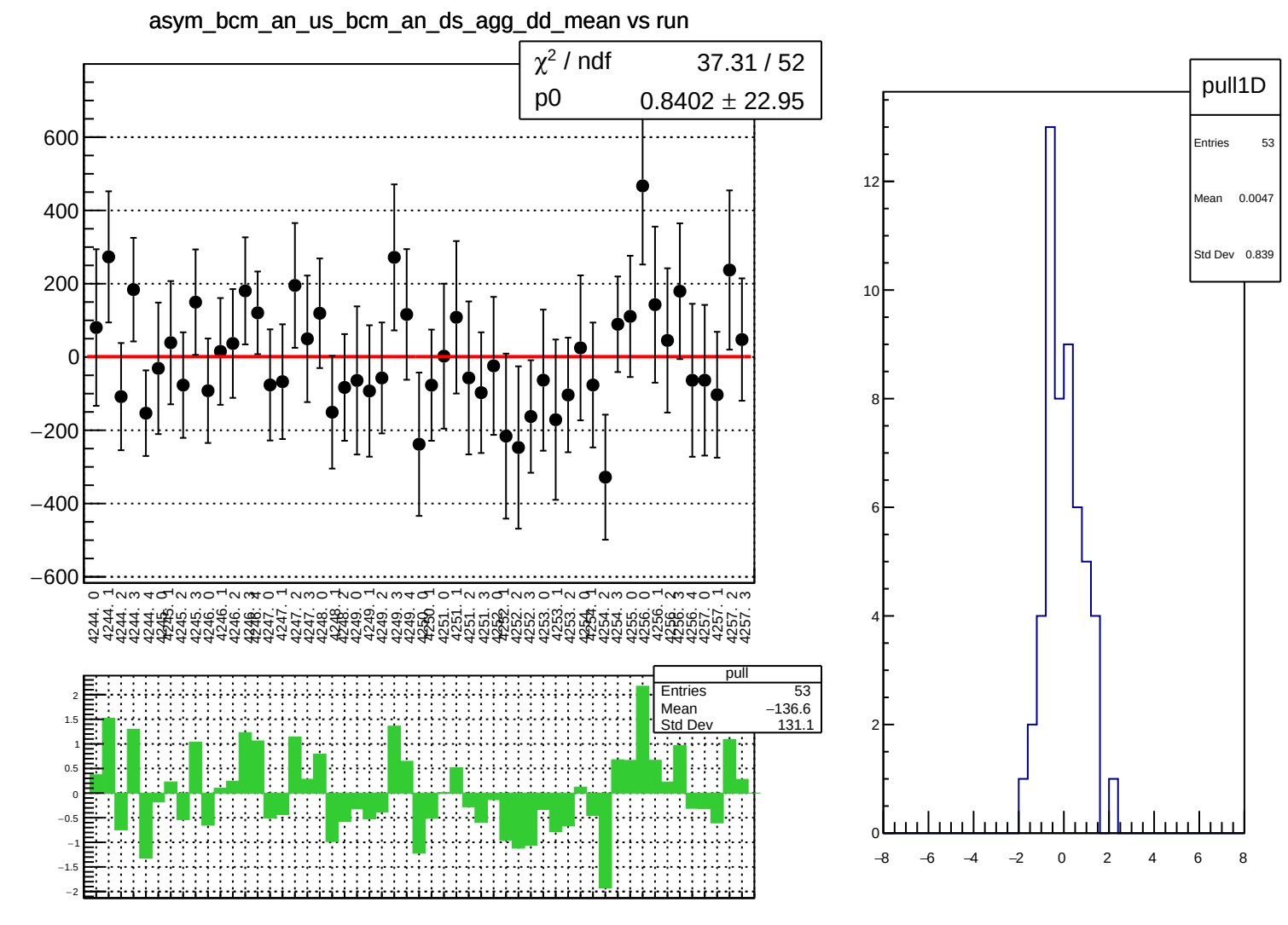
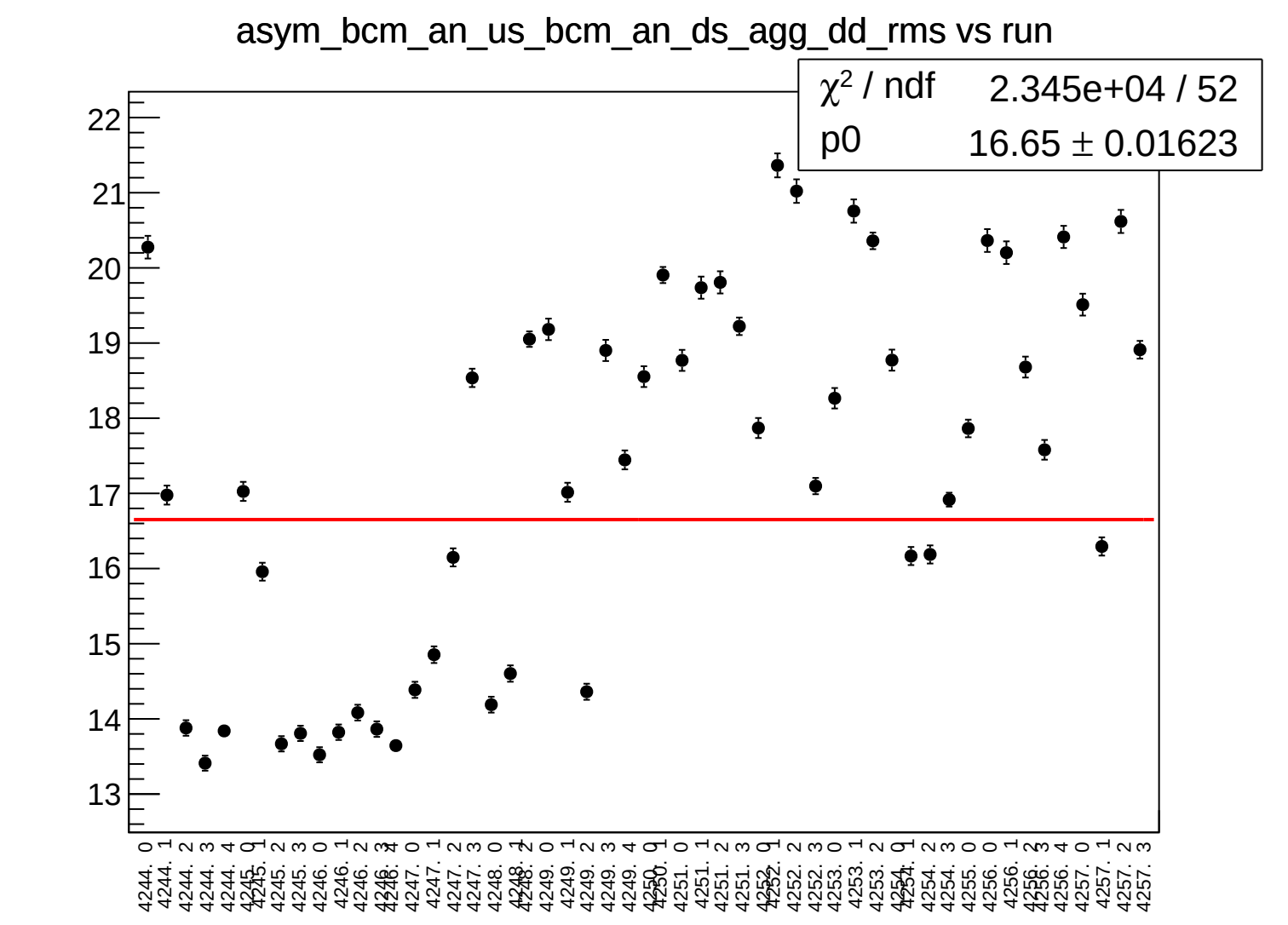
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 37.31 / 52
p0 0.8402 ± 22.95
pull
Entries 53
Mean −136.6
Std Dev 131.1
pull1D
Entries 53
Mean 0.0047
Std Dev 0.839


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2.345e+04 / 52
p0 16.65 ± 0.01623
22
21
20
19
18
17
16
15
14
13
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
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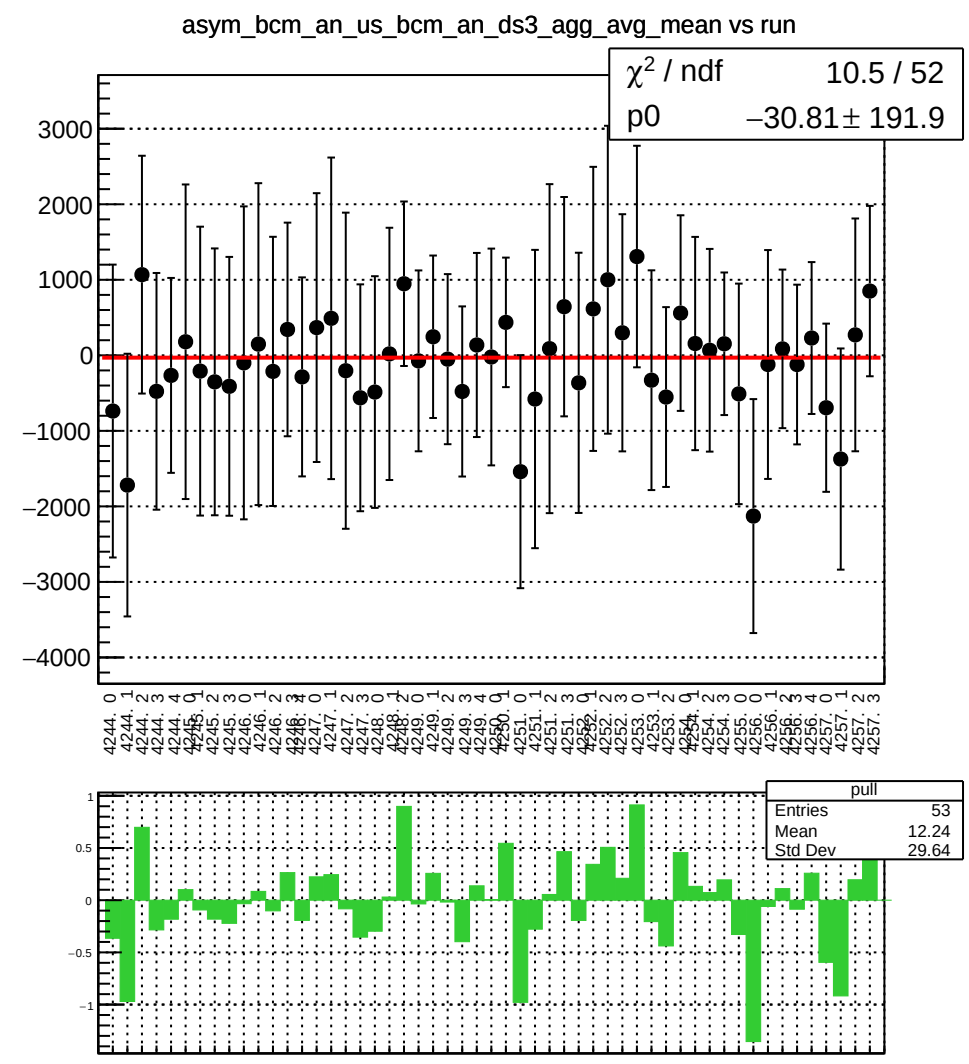
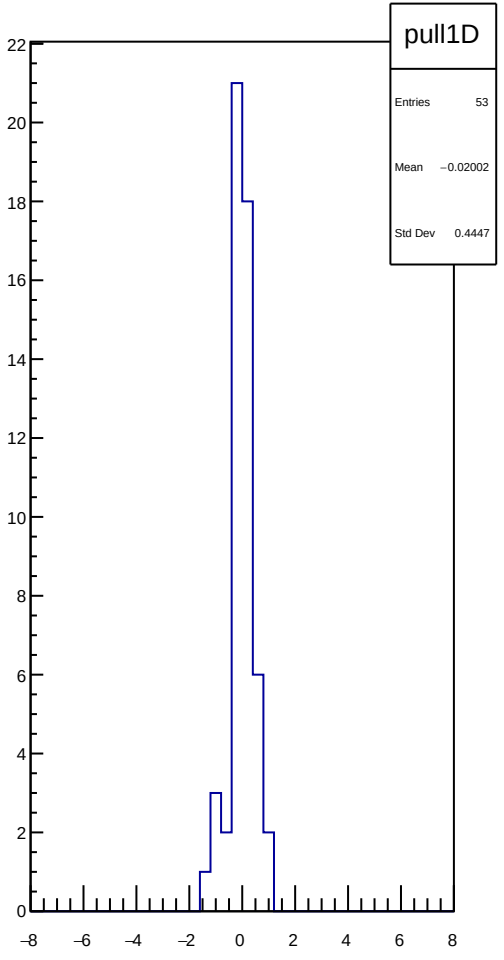
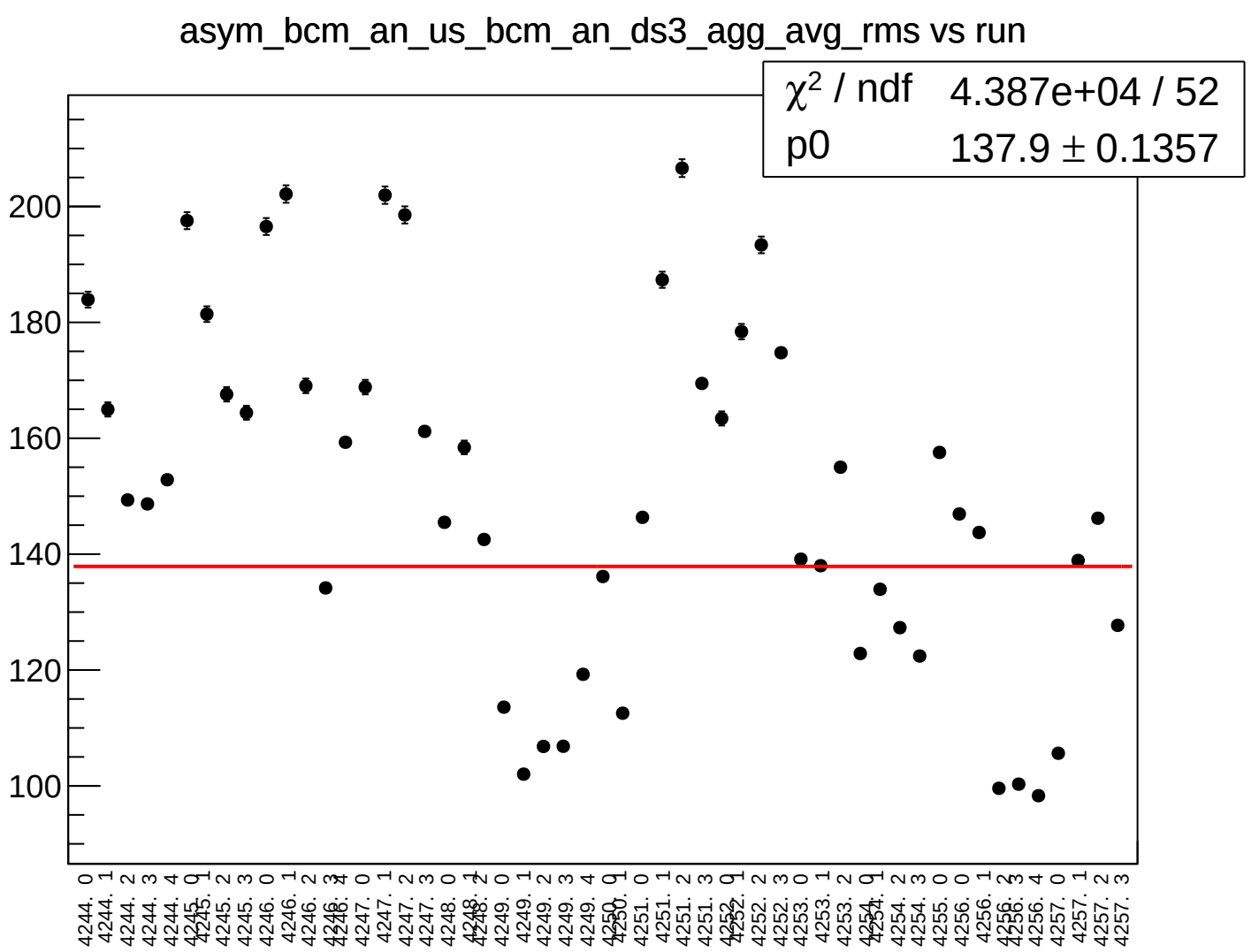
4257. 2
4257. 3


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 10.5 / 52
p0 −30.81 ± 191.9
pull
Entries 53
Mean 12.24
Std Dev 29.64


pull1D
Entries 53
Mean −0.02002
Std Dev 0.4447


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 4.387e+04 / 52
p0 137.9 ± 0.1357
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
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4254. 1
4254. 2
4254. 3
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4256. 3
4256. 4
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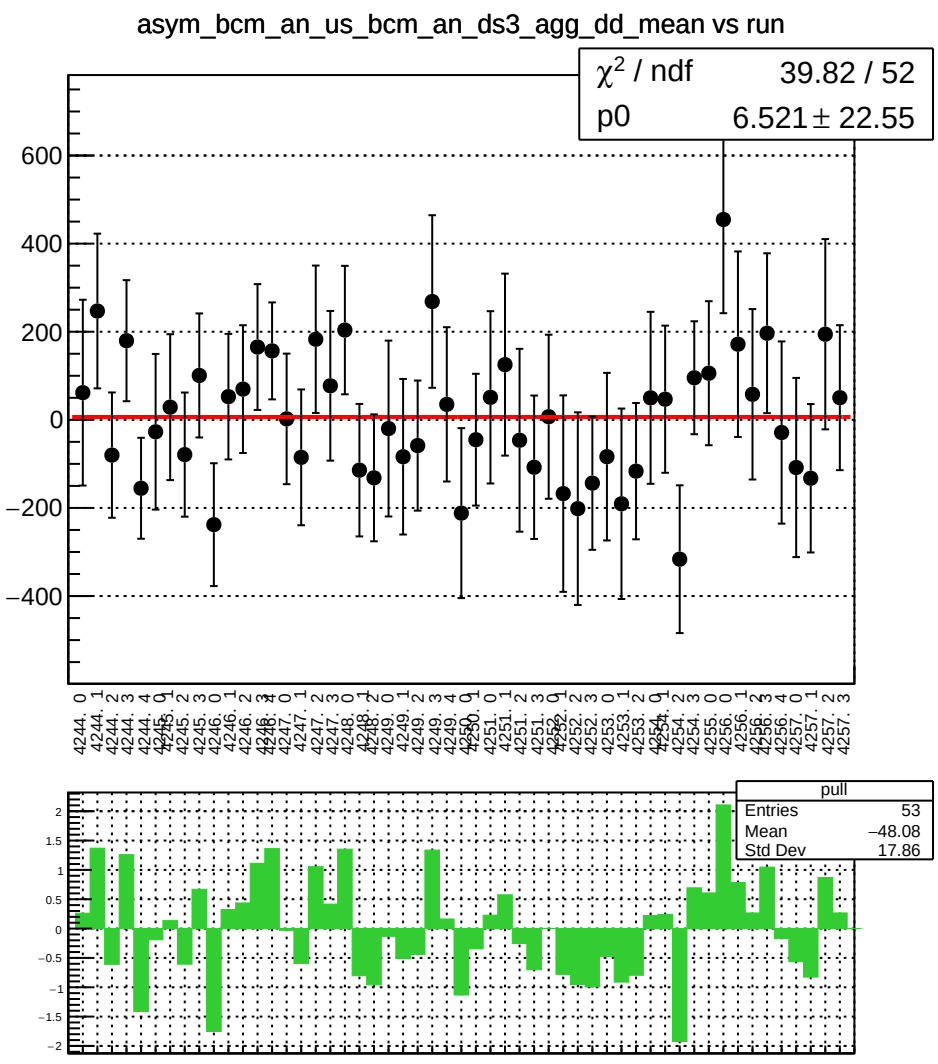
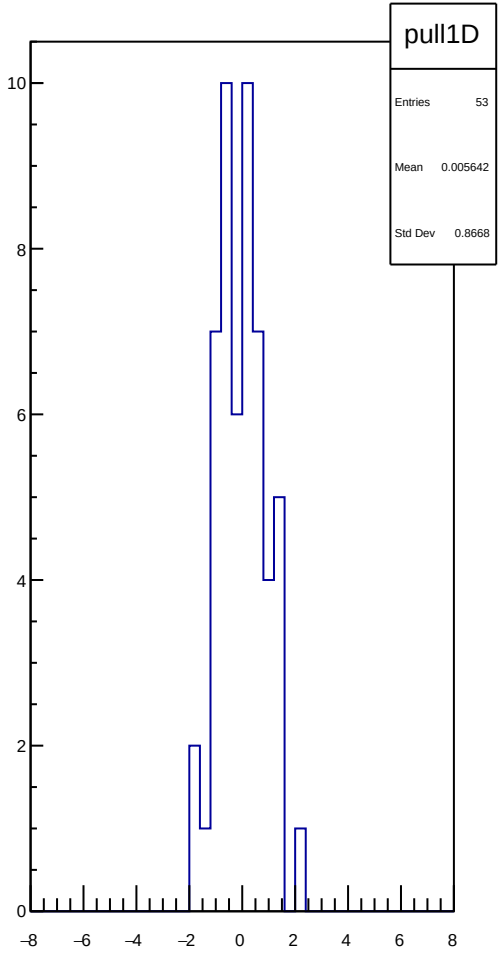
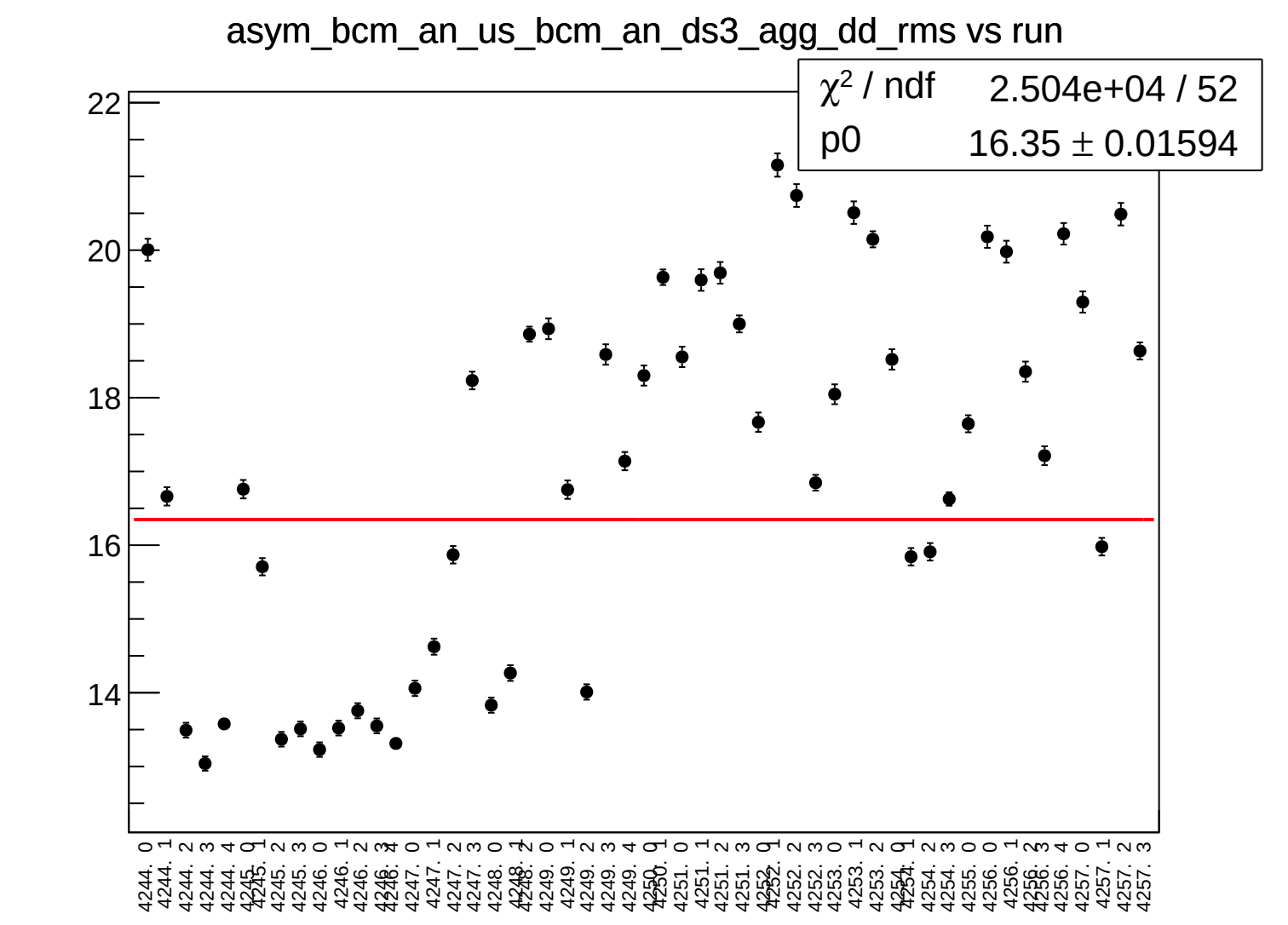
4257. 2
4257. 3


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 39.82 / 52
p0 6.521 ± 22.55
pull
Entries 53
Mean −48.08
Std Dev 17.86


pull1D
Entries 53
Mean 0.005642
Std Dev 0.8668


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 2.504e+04 / 52
p0 16.35 ± 0.01594
22
20
18
16
14
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
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4256. 1
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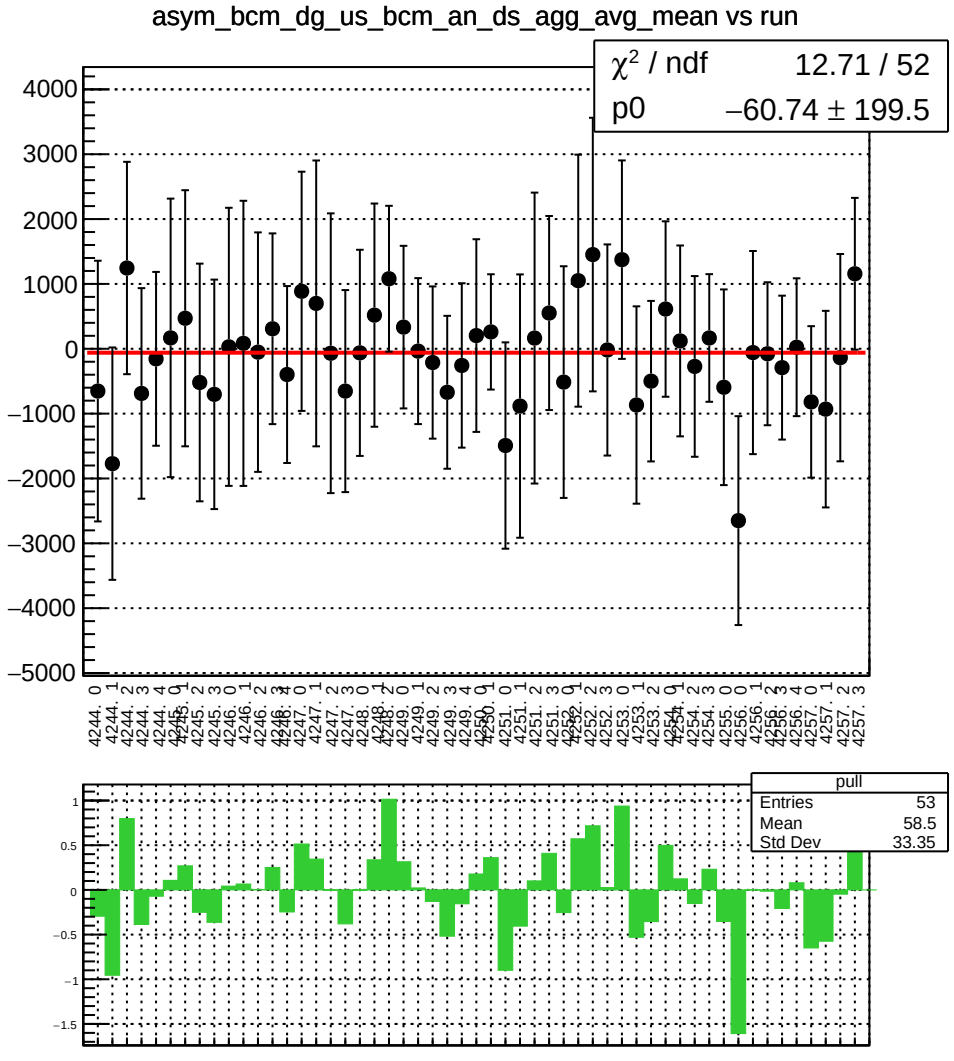
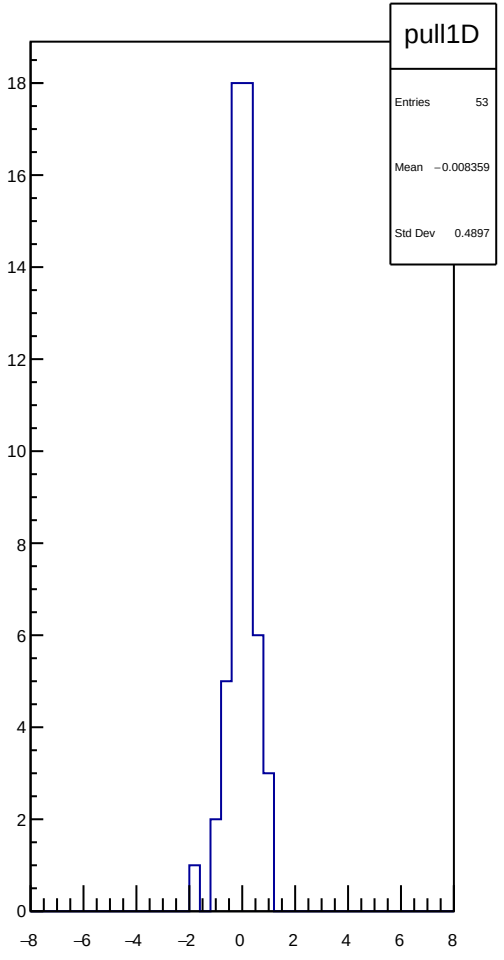
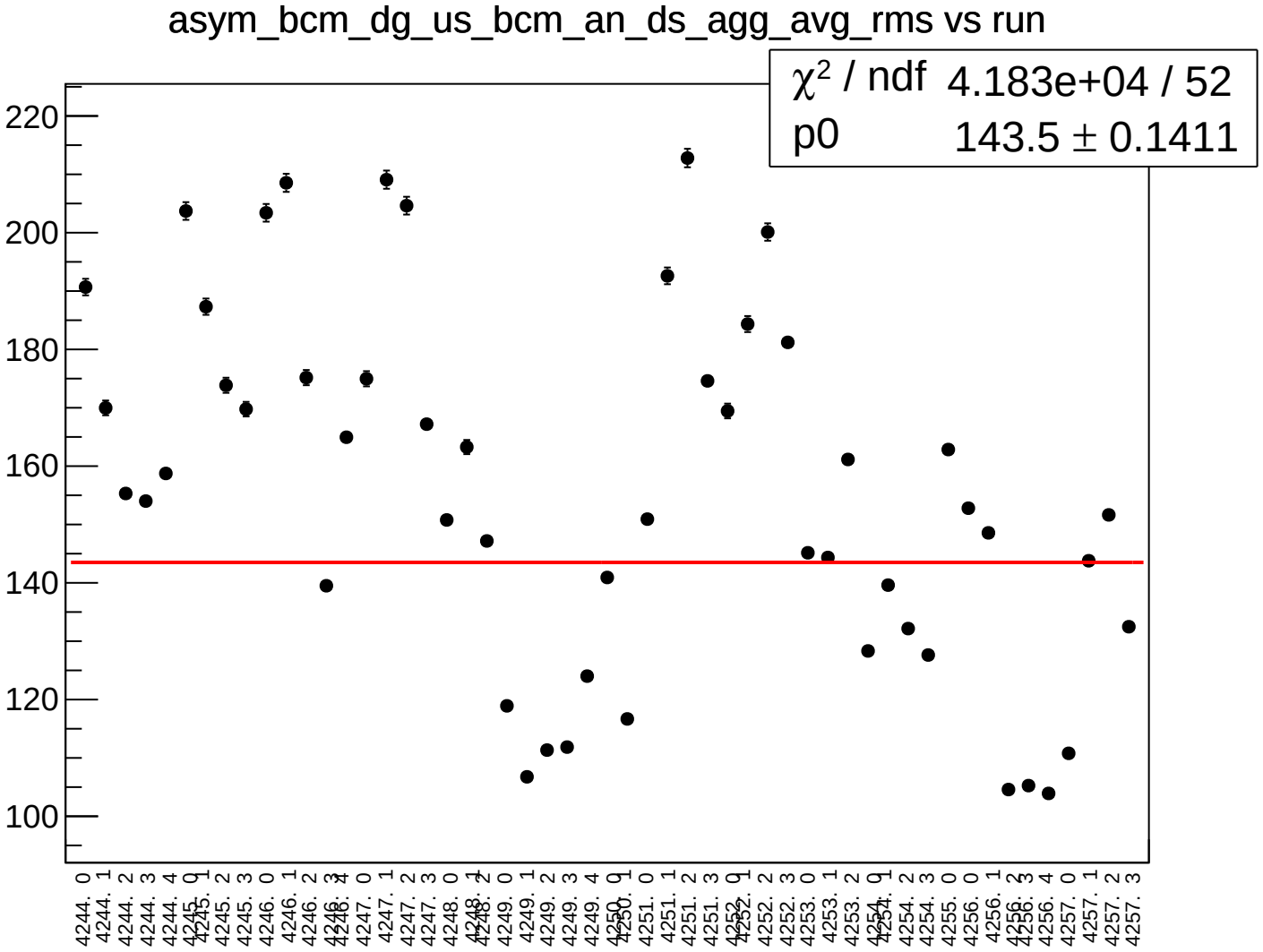
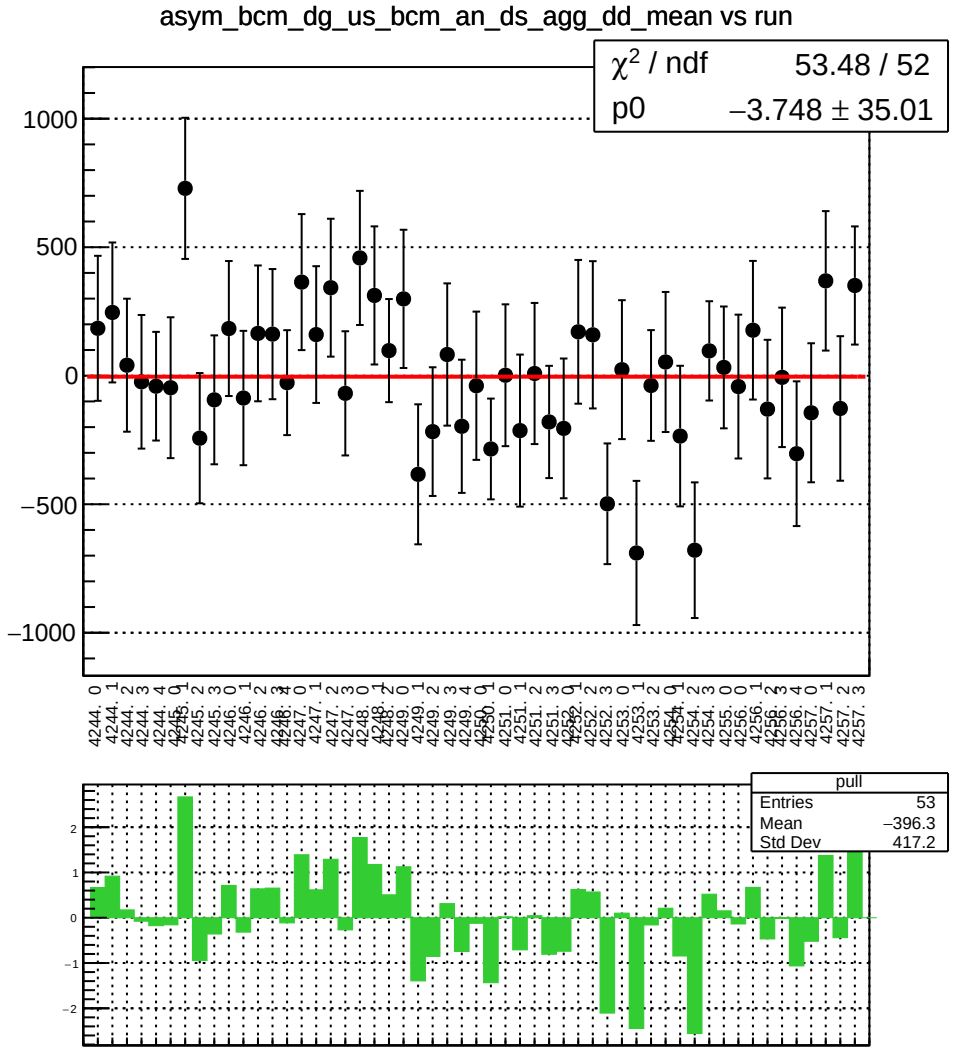
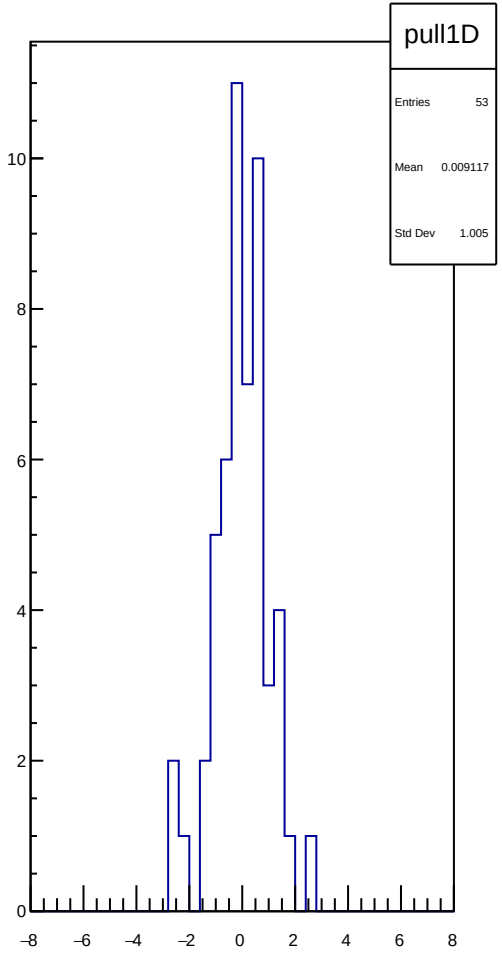
4257. 0
4257. 1
4257. 2
4257. 3

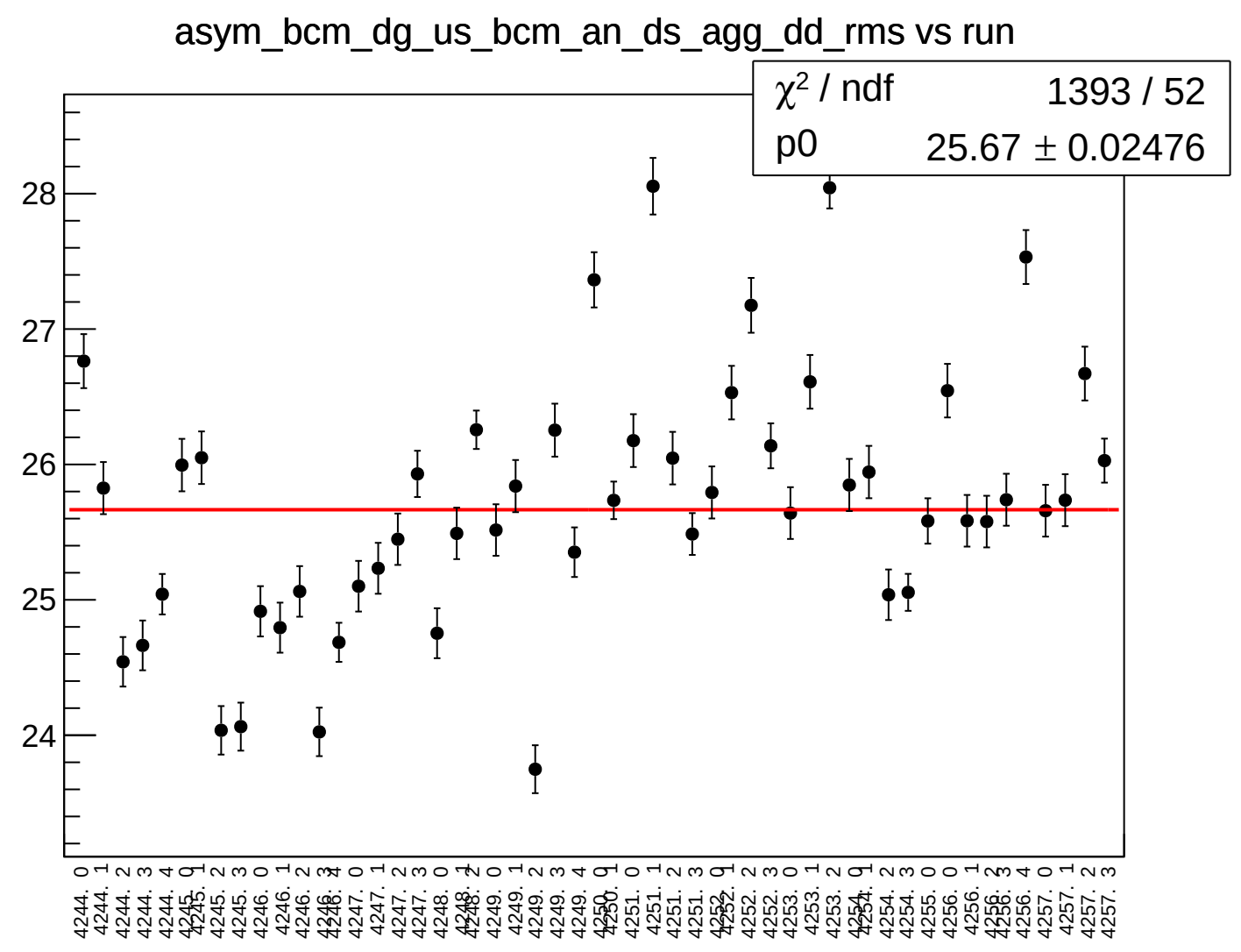

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.71 / 52
p0 −60.74 ± 199.5
pull
Entries 53
Mean 58.5
Std Dev 33.35

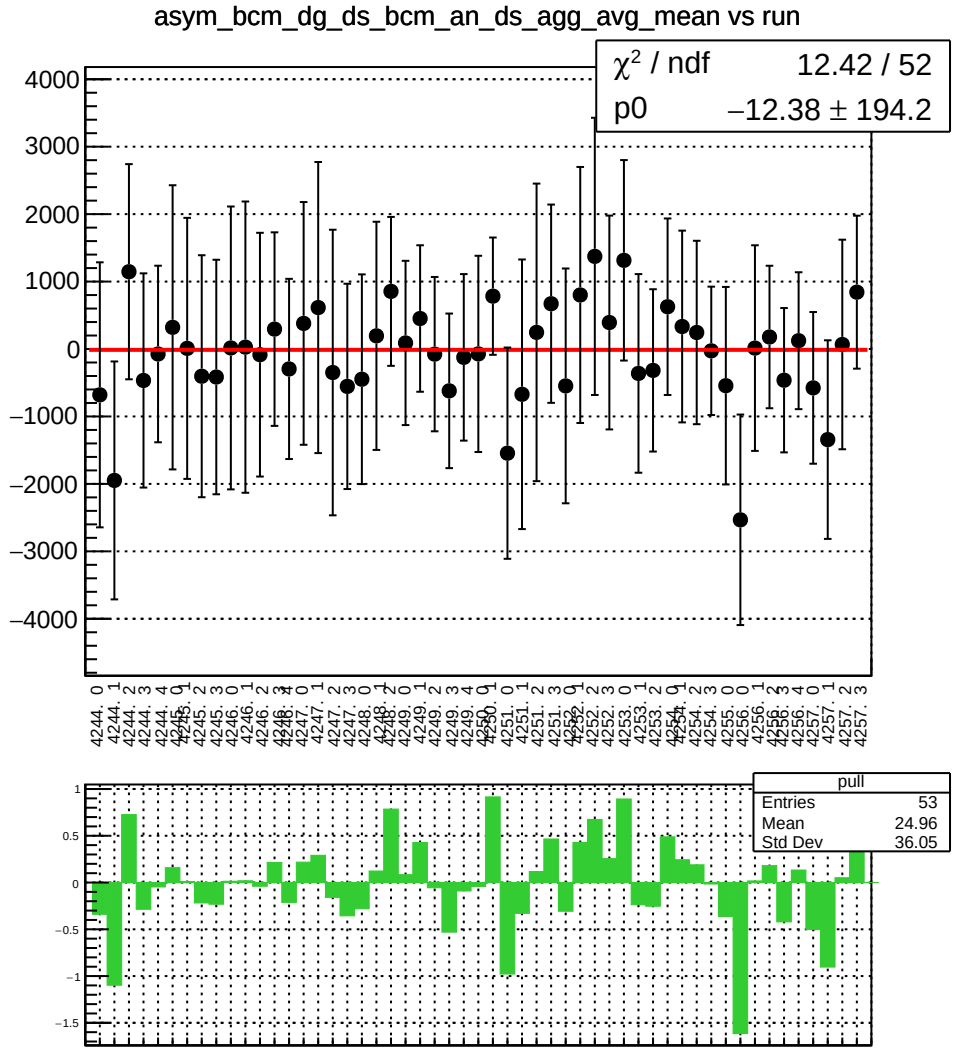

pull1D
Entries 53
Mean −0.008359
Std Dev 0.4897

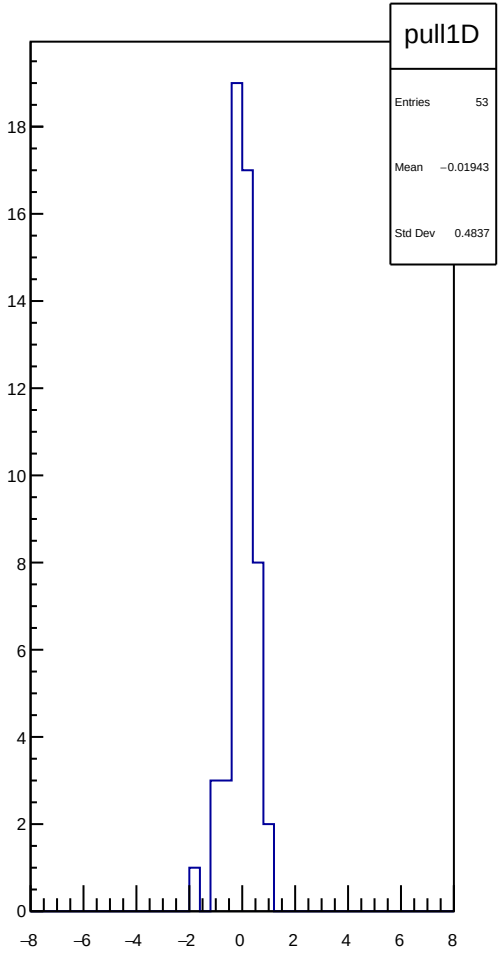

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4.183e+04 / 52
p0 143.5 ± 0.1411
220
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

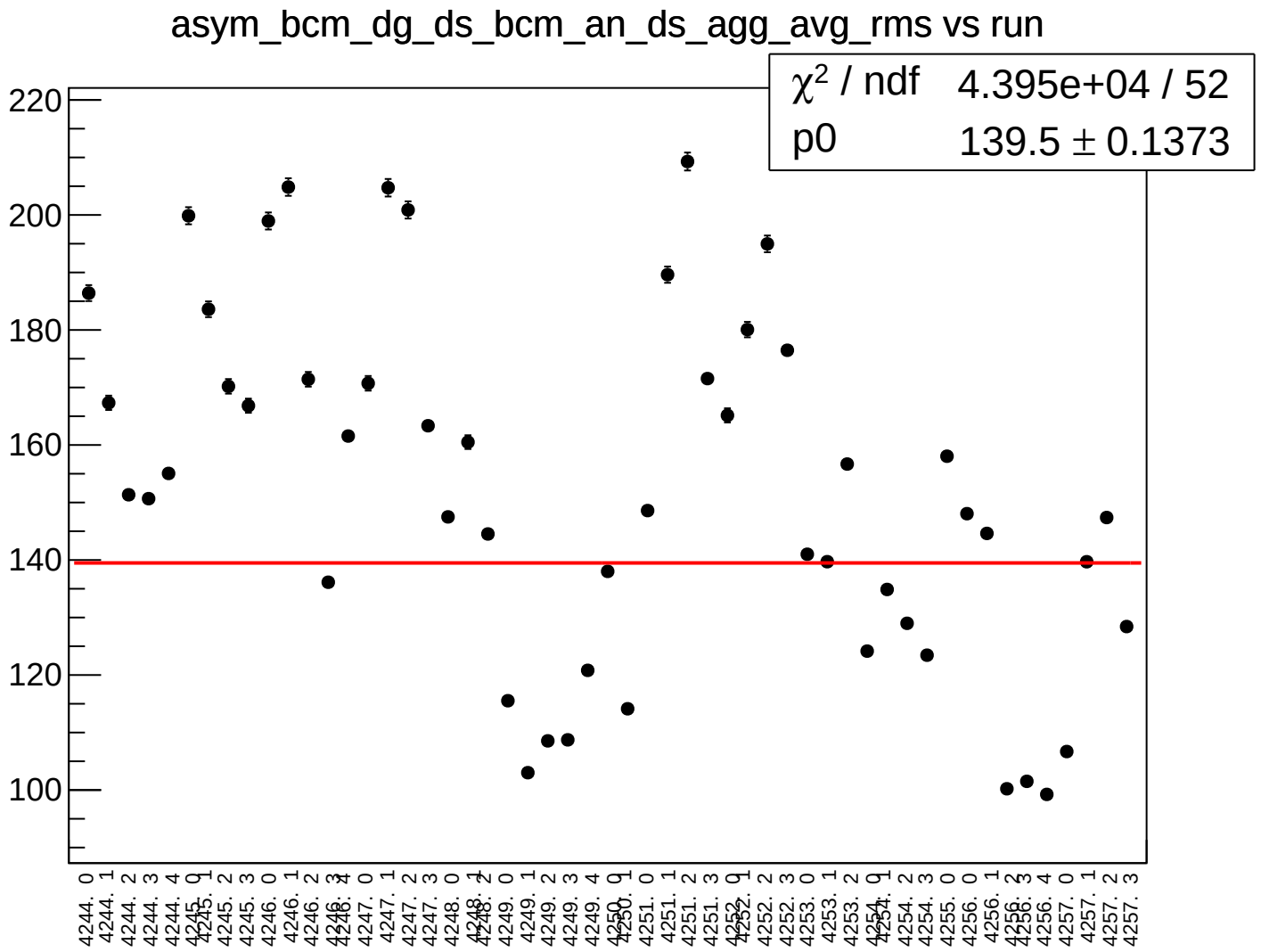

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 53.48 / 52
p0 −3.748 ± 35.01
1000
500
0
−500
−1000
pull
Entries 53
Mean −396.3
Std Dev 417.2
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.009117
Std Dev 1.005
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1393 / 52
p0 25.67 ± 0.02476
28
27
26
25
24
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.42 / 52
p0 −12.38 ± 194.2
pull
Entries 53
Mean 24.96
Std Dev 36.05


pull1D
Entries 53
Mean −0.01943
Std Dev 0.4837


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4.395e+04 / 52
p0 139.5 ± 0.1373
220
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
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4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
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4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
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4252. 3
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4254. 1
4254. 2
4254. 3
4255. 0
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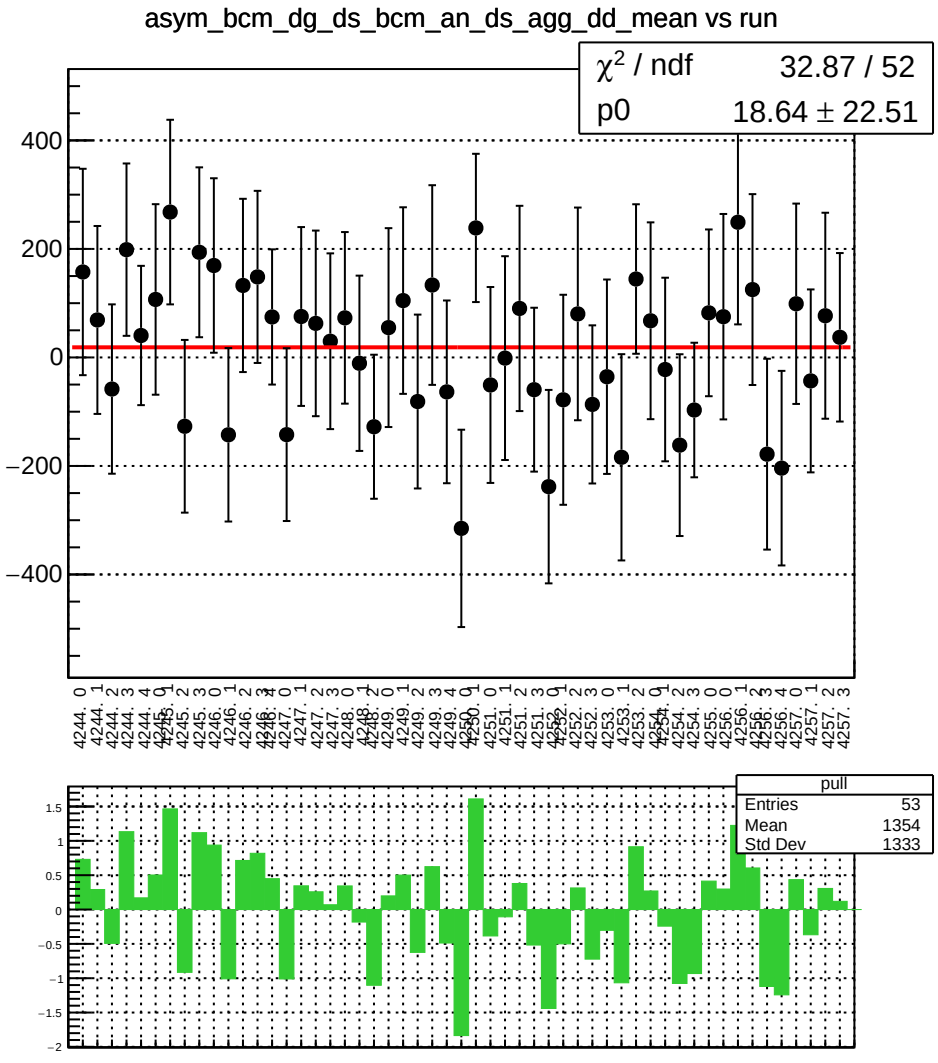
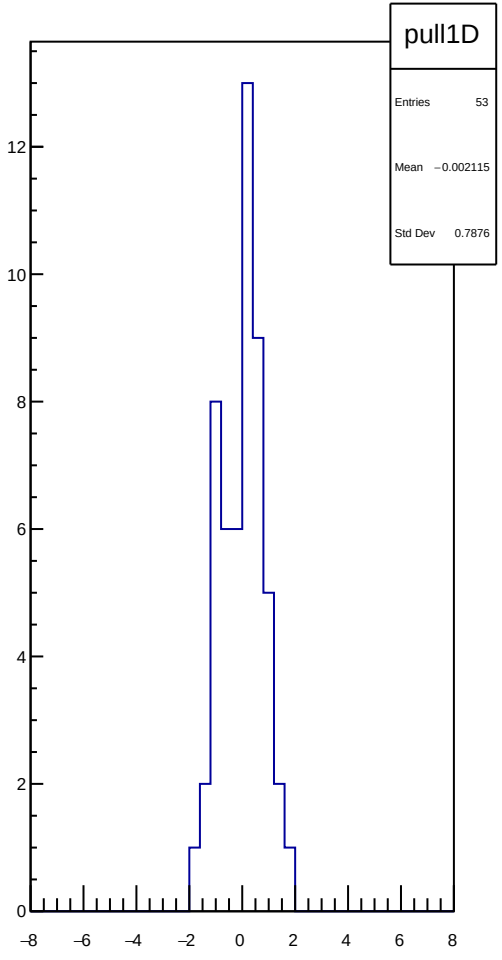
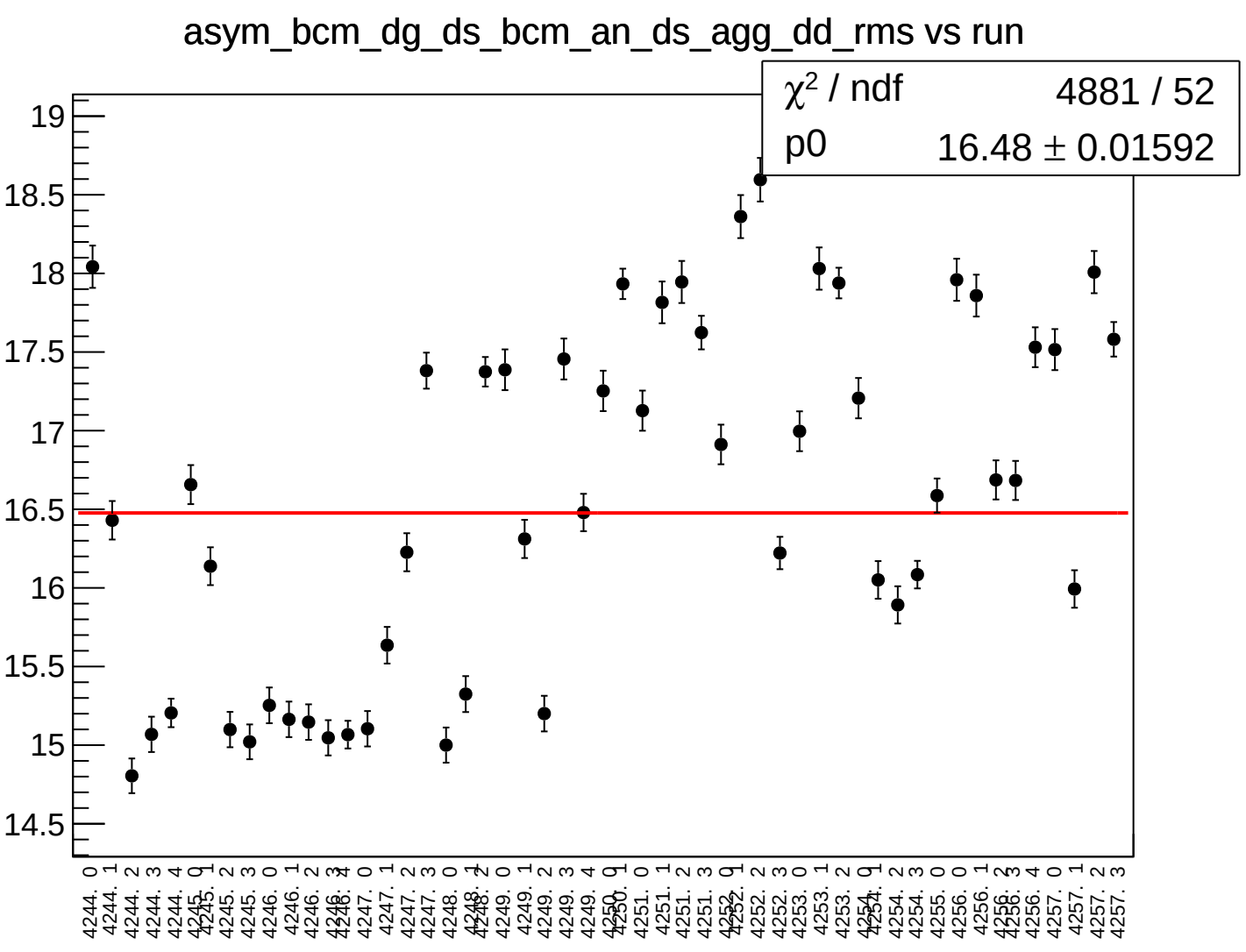
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 32.87 / 52
p0 18.64 ± 22.51
pull
Entries 53
Mean 1354
Std Dev 1333


pull1D
Entries 53
Mean −0.002115
Std Dev 0.7876


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 4881 / 52
p0 16.48 ± 0.01592
19
18.5
18
17.5
17
16.5
16
15.5
15
14.5
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
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4247. 2
4247. 3
4248. 0
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4253. 1
4253. 2
4254. 1
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4255. 0
4256. 0
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4256. 4
4257. 0
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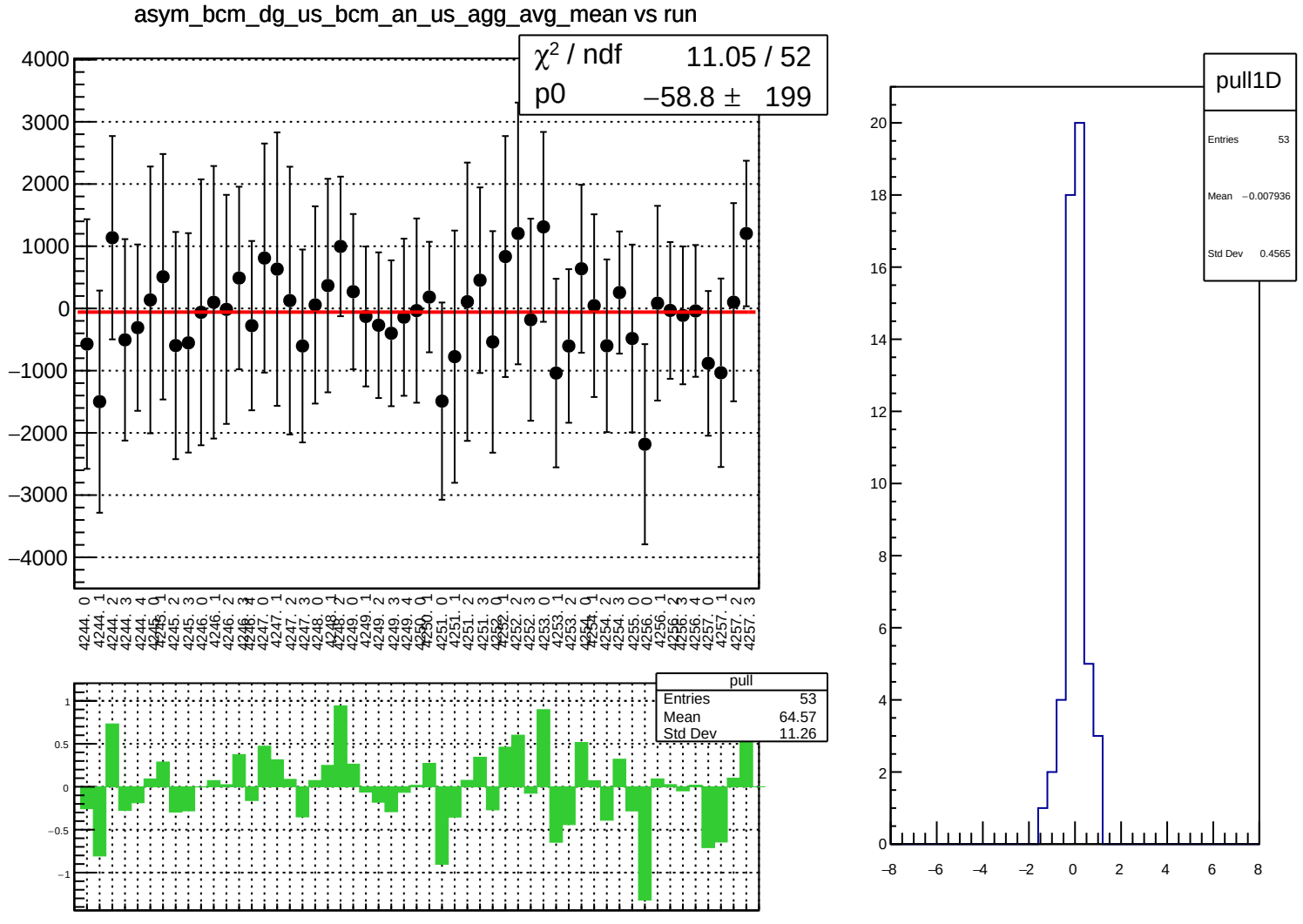
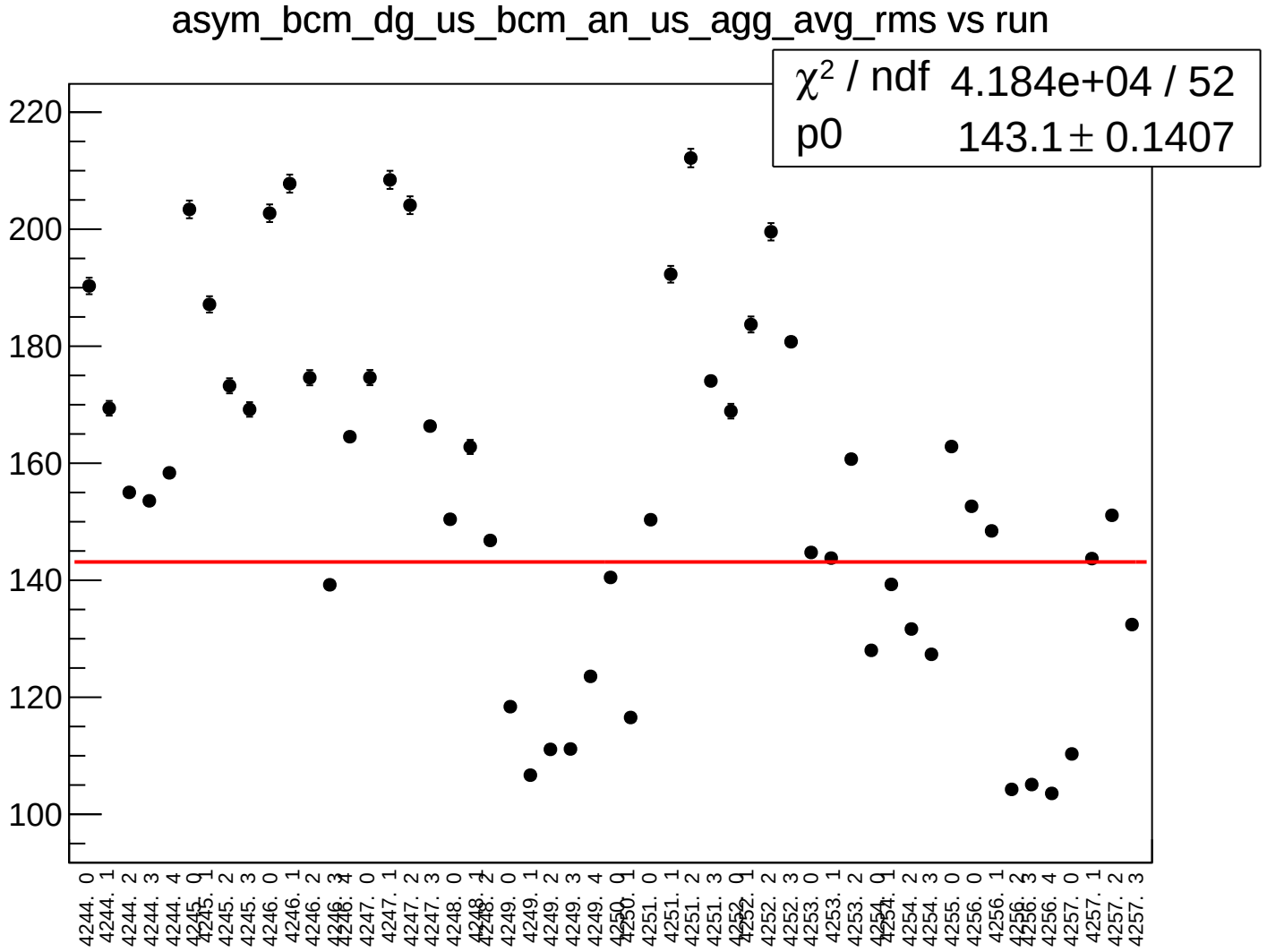
4257. 2
4257. 3


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.05 / 52
p0 −58.8 ± 199
pull
Entries 53
Mean 64.57
Std Dev 11.26
pull1D
Entries 53
Mean −0.007936
Std Dev 0.4565


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4.184e+04 / 52
p0 143.1 ± 0.1407
220
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
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4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
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4247. 2
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4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
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4254. 1
4254. 2
4254. 3
4255. 0
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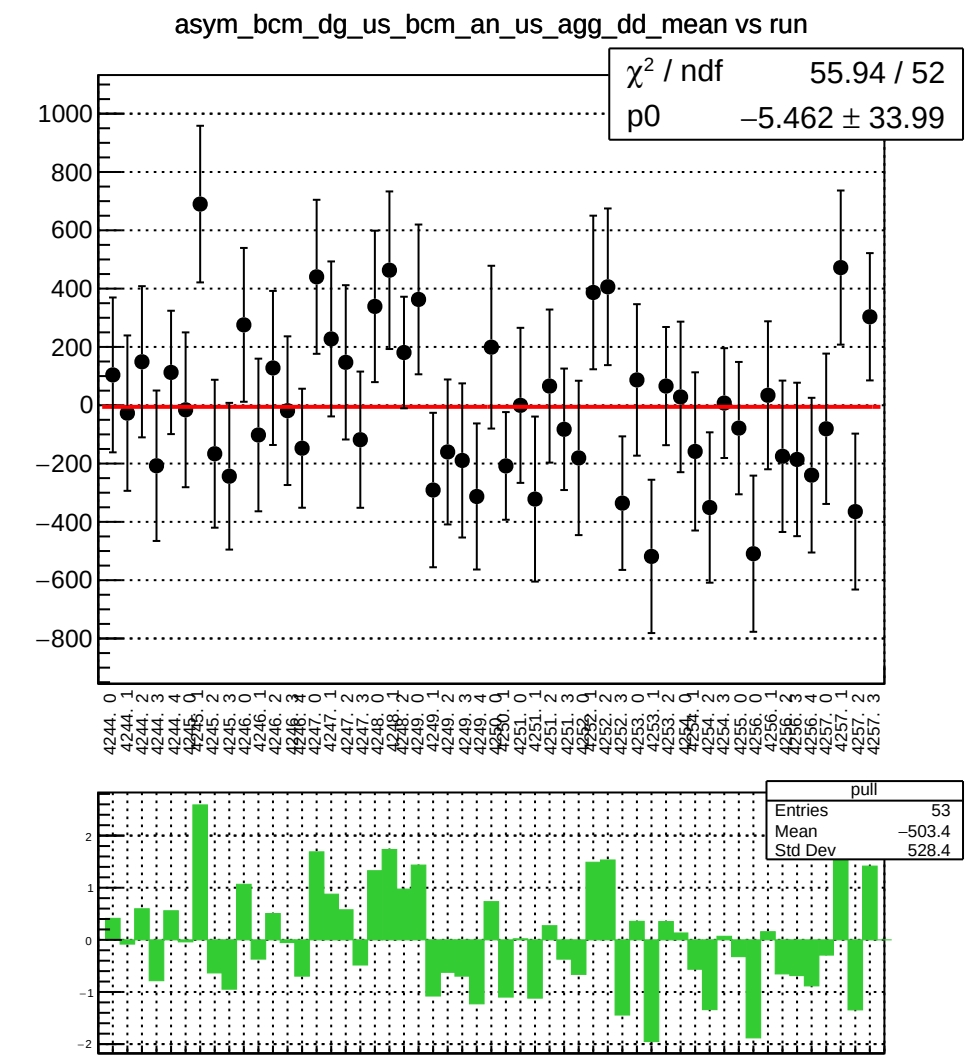
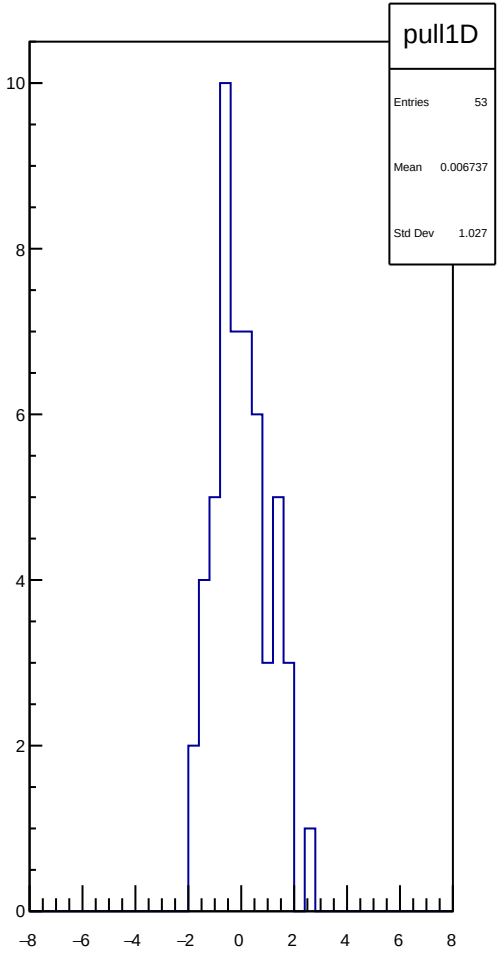
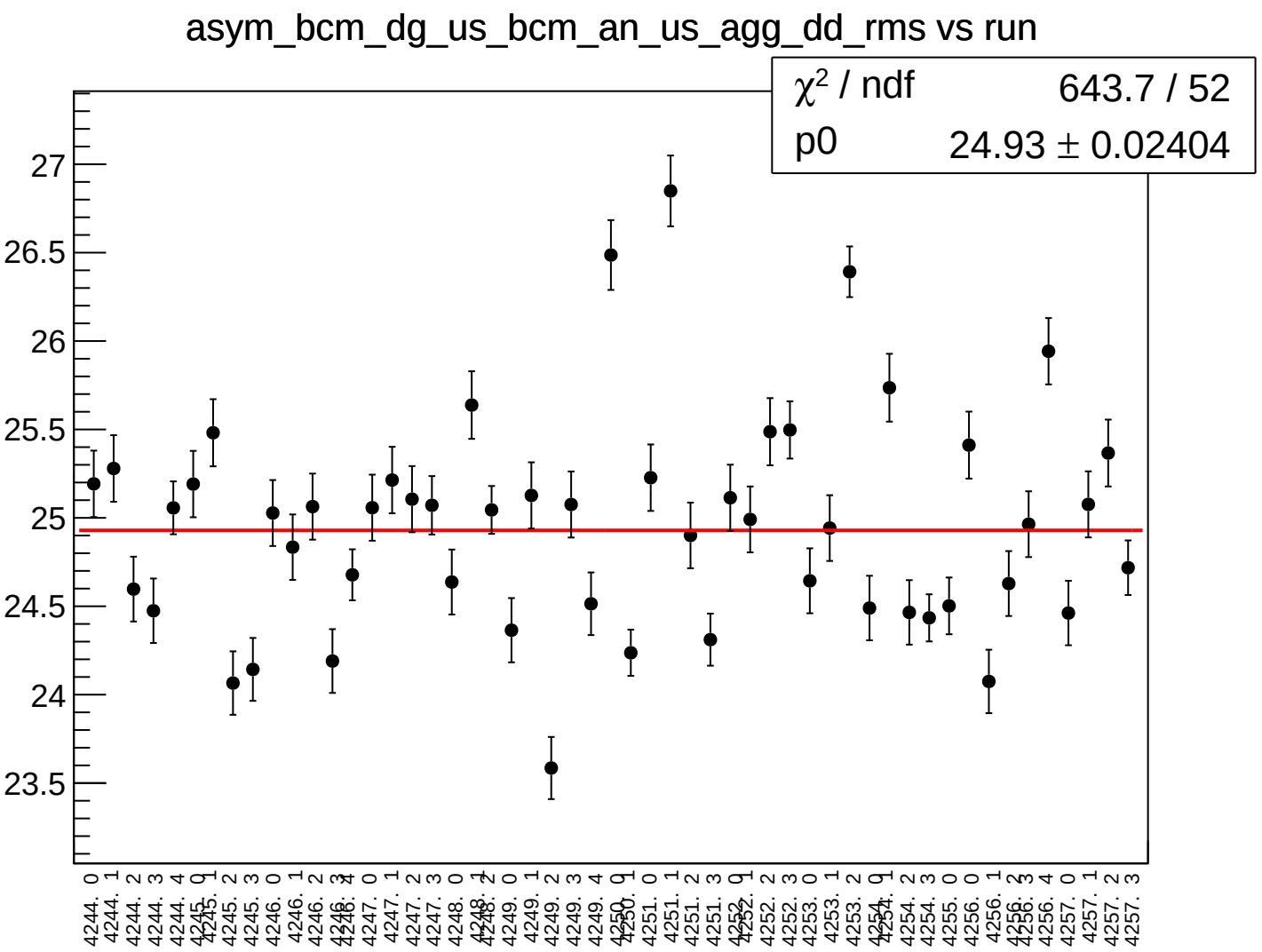
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 55.94 / 52
p0 −5.462 ± 33.99
pull
Entries 53
Mean −503.4
Std Dev 528.4


pull1D
Entries 53
Mean 0.006737
Std Dev 1.027


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 643.7 / 52
p0 24.93 ± 0.02404
27
26.5
26
25.5
25
24.5
24
23.5
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
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4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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4256. 2
4256. 3
4256. 4
4257. 0
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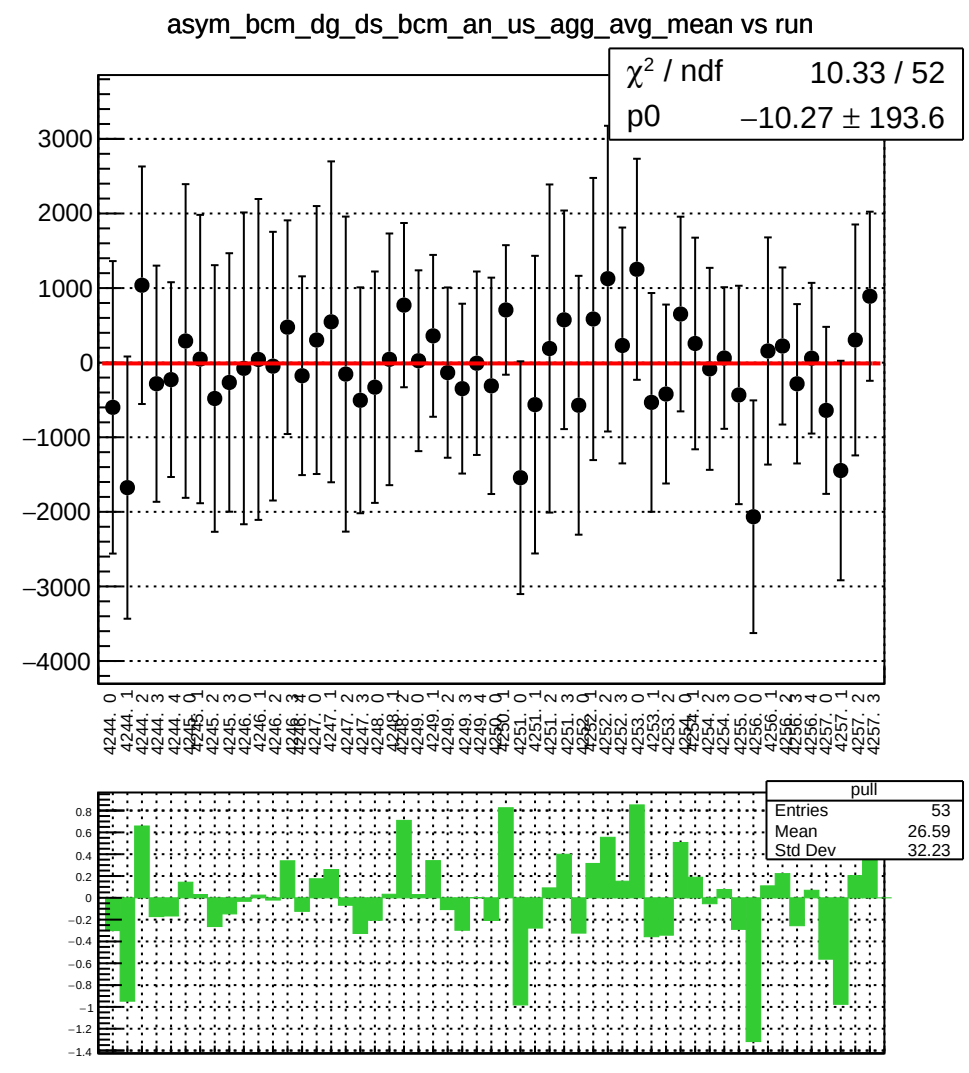
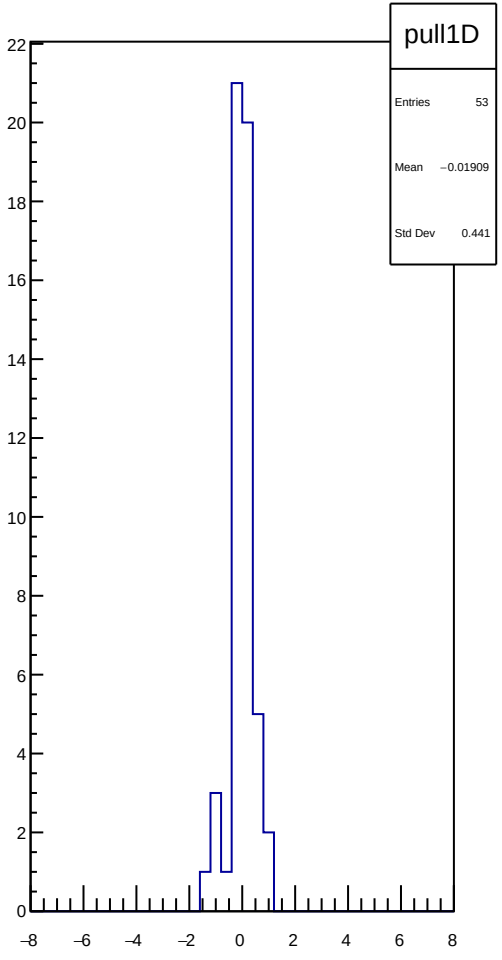
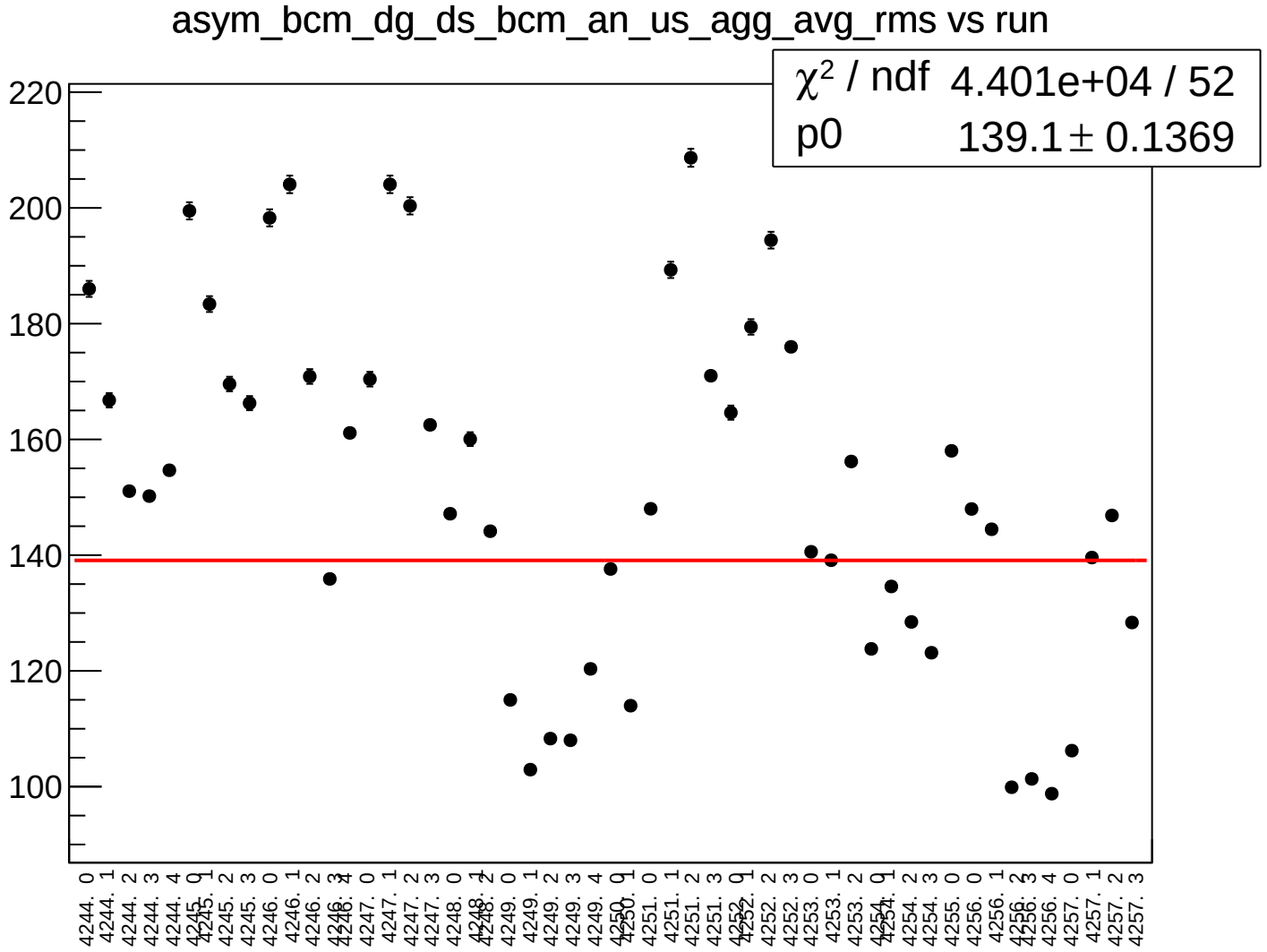
4257. 2
4257. 3


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 10.33 / 52
p0 −10.27 ± 193.6
pull
Entries 53
Mean 26.59
Std Dev 32.23


pull1D
Entries 53
Mean −0.01909
Std Dev 0.441


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4.401e+04 / 52
p0 139.1 ± 0.1369
220
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
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4245. 2
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4246. 2
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4247. 3
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4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
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4251. 2
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4254. 1
4254. 2
4254. 3
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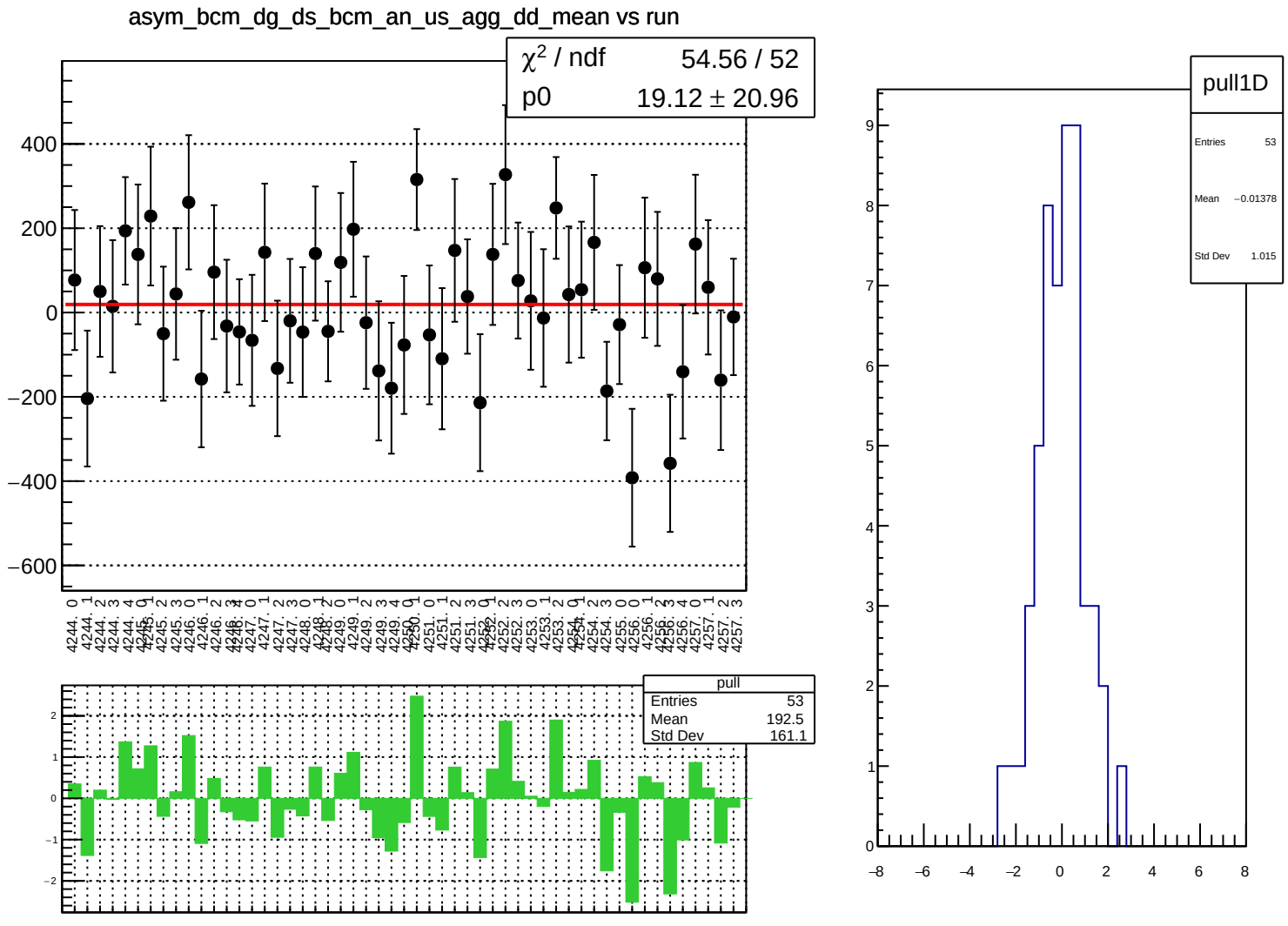
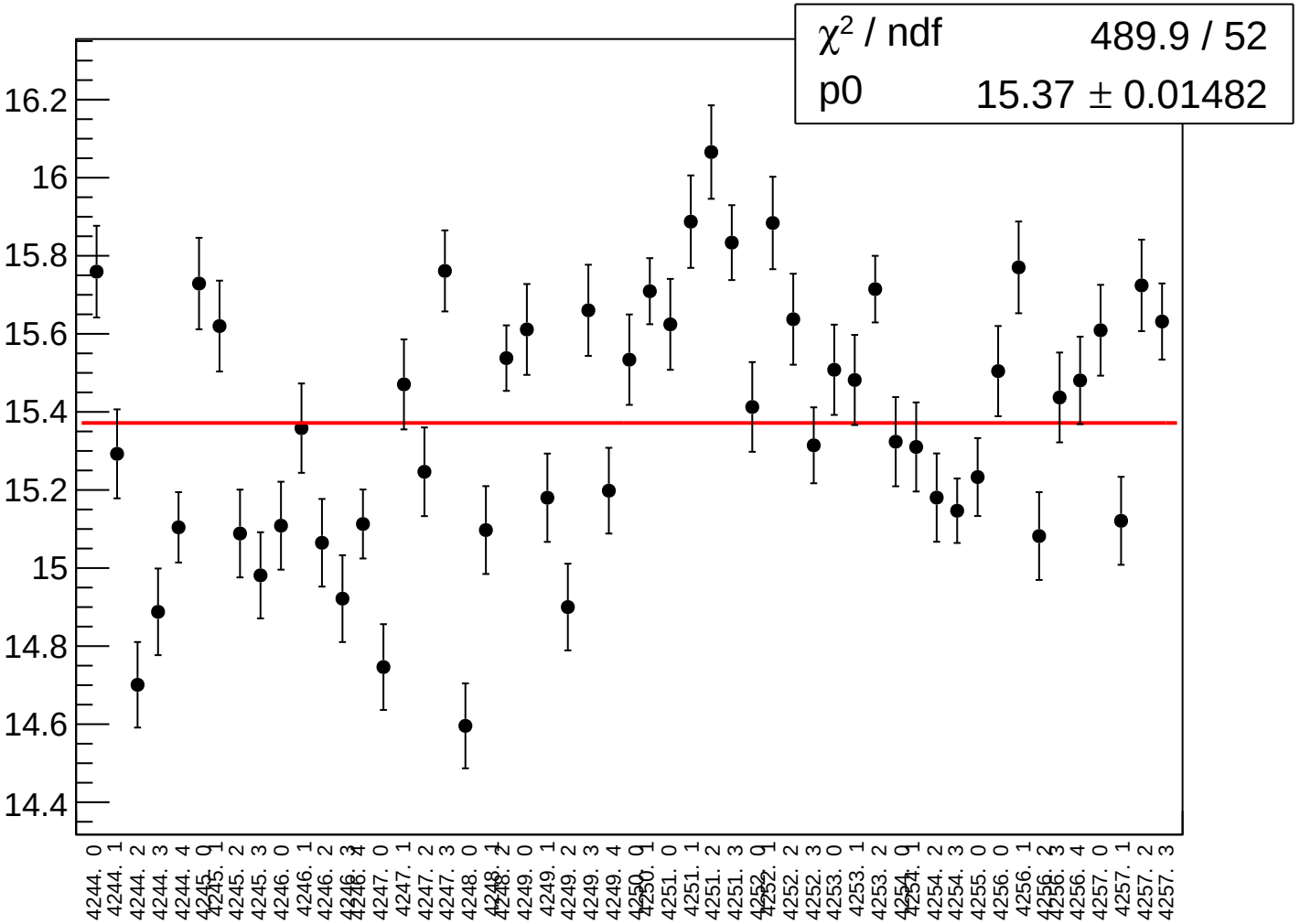
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 54.56 / 52
p0 19.12 ± 20.96
pull
Entries 53
Mean 192.5
Std Dev 161.1
pull1D
Entries 53
Mean −0.01378
Std Dev 1.015


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 489.9 / 52
p0 15.37 ± 0.01482
16.2
16
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
4244. 0
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4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
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4247. 1
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4247. 3
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4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
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4251. 2
4251. 3
4252. 2
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4253. 1
4253. 2
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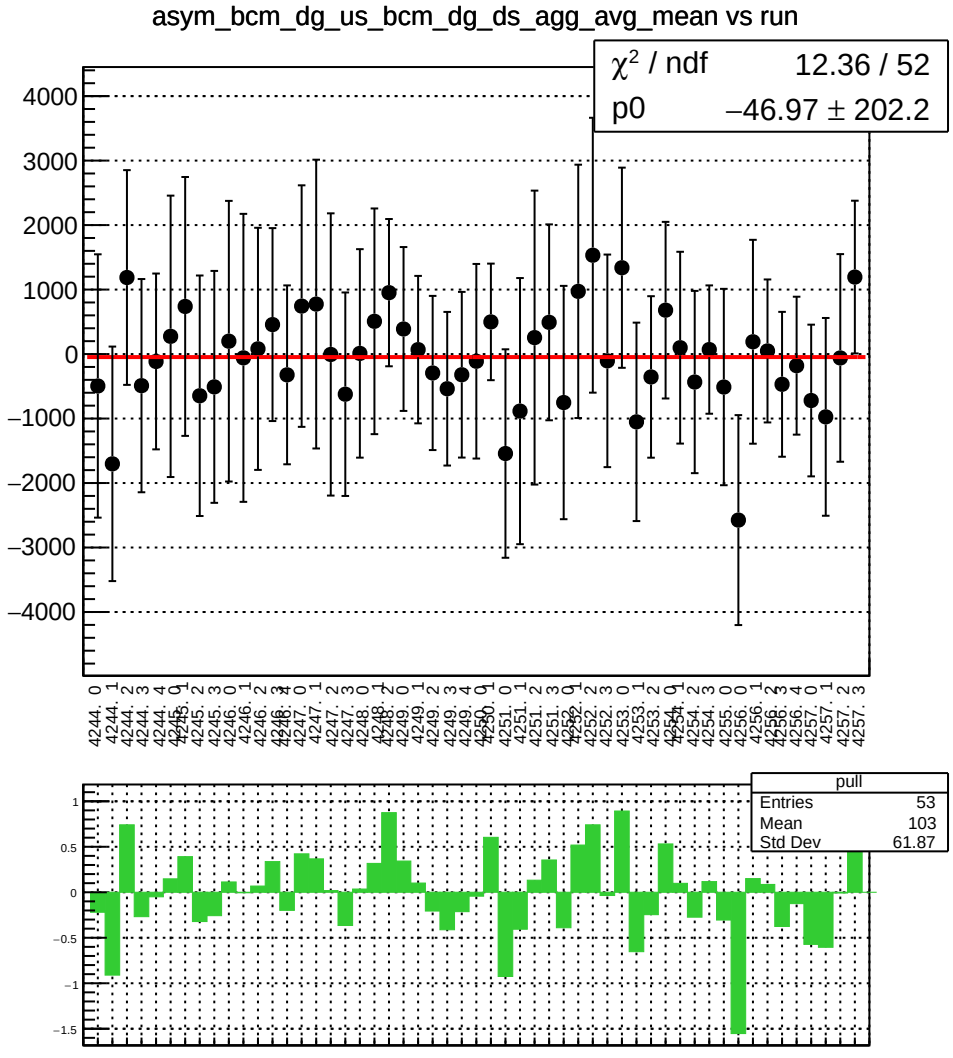
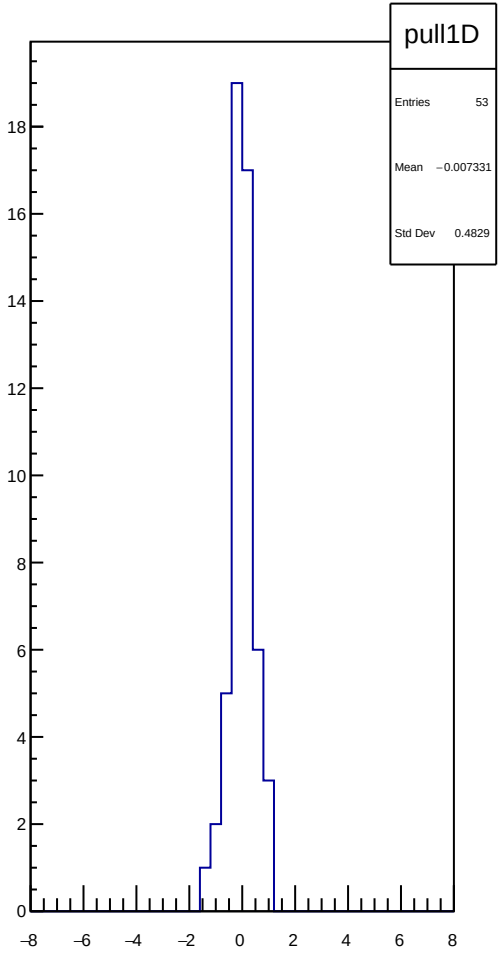
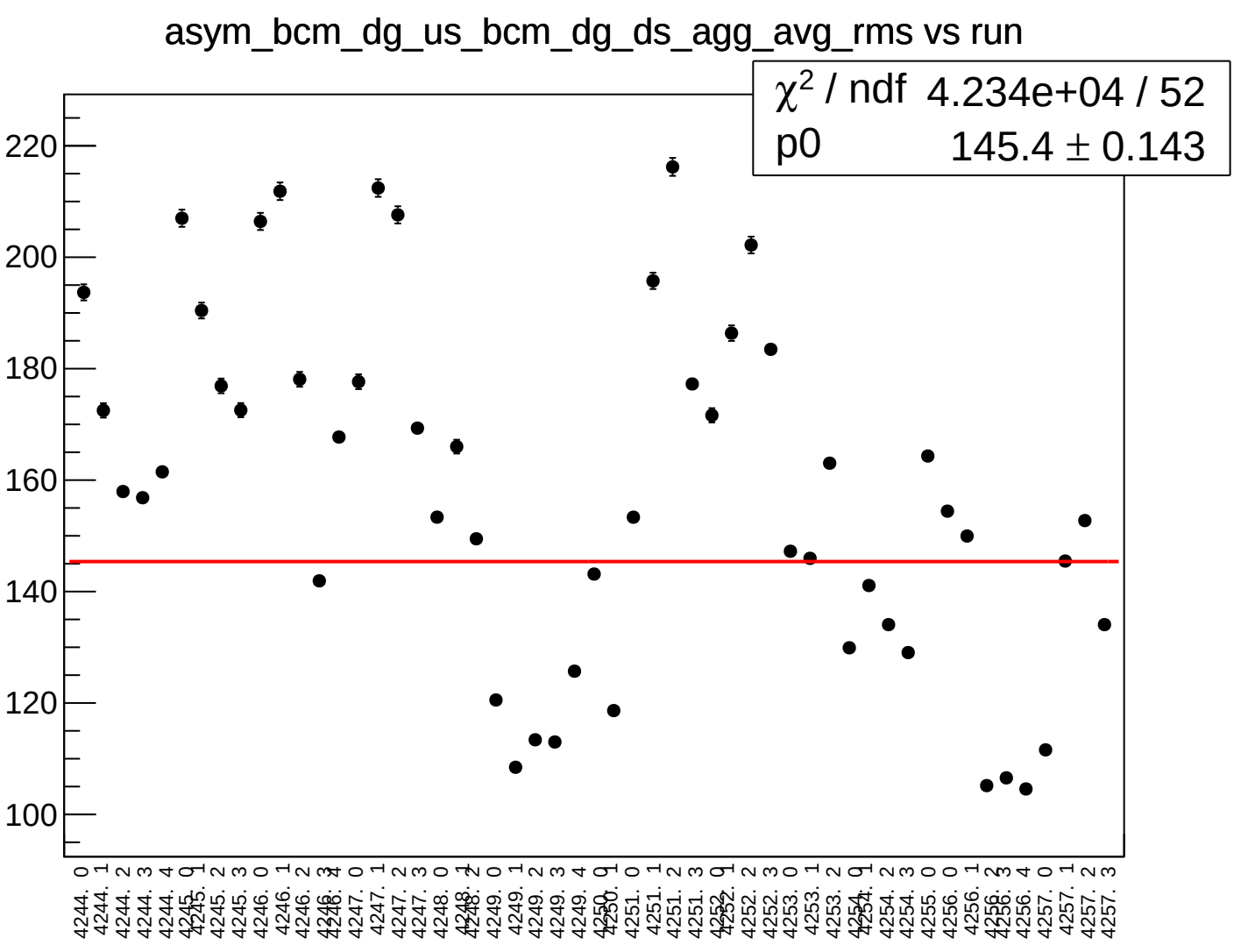
4257. 3


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 12.36 / 52
p0 −46.97 ± 202.2
pull
Entries 53
Mean 103
Std Dev 61.87


pull1D
Entries 53
Mean −0.007331
Std Dev 0.4829


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 4.234e+04 / 52
p0 145.4 ± 0.143
220
200
180
160
140
120
100
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4244. 1
4244. 2
4244. 3
4244. 4
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4254. 1
4254. 2
4254. 3
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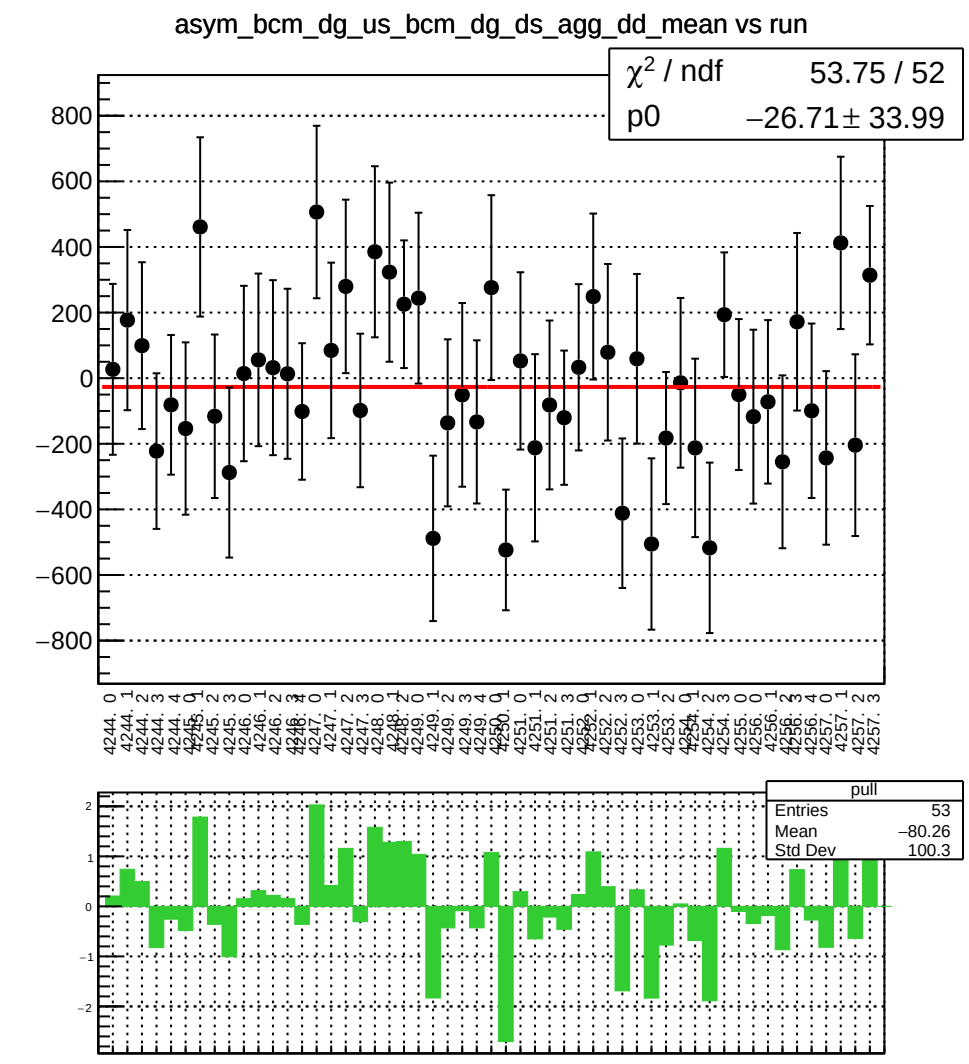
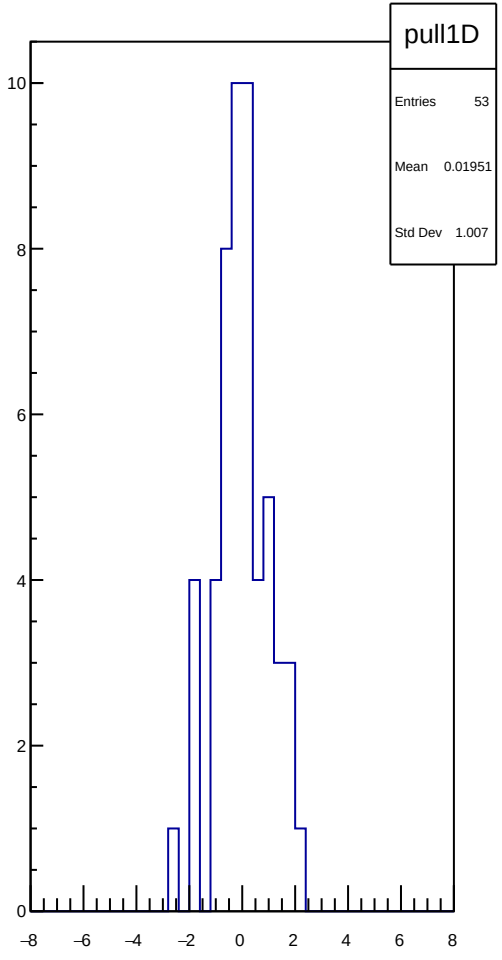
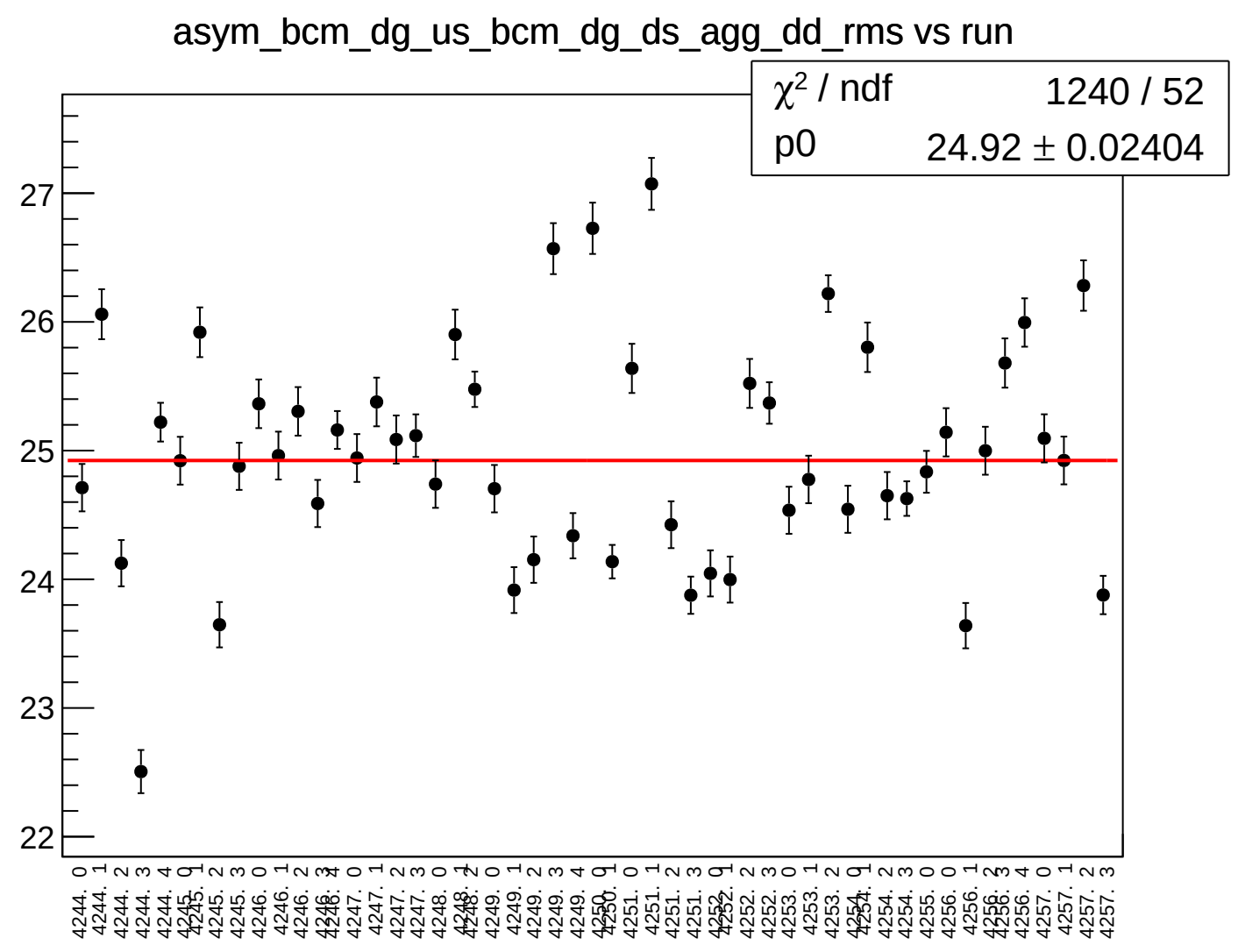
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 53.75 / 52
p0 −26.71± 33.99
pull
Entries 53
Mean −80.26
Std Dev 100.3


pull1D
Entries 53
Mean 0.01951
Std Dev 1.007


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1240 / 52
p0 24.92 ± 0.02404
27
26
25
24
23
22
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4244. 2
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4245. 2
4245. 3
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4246. 1
4246. 2
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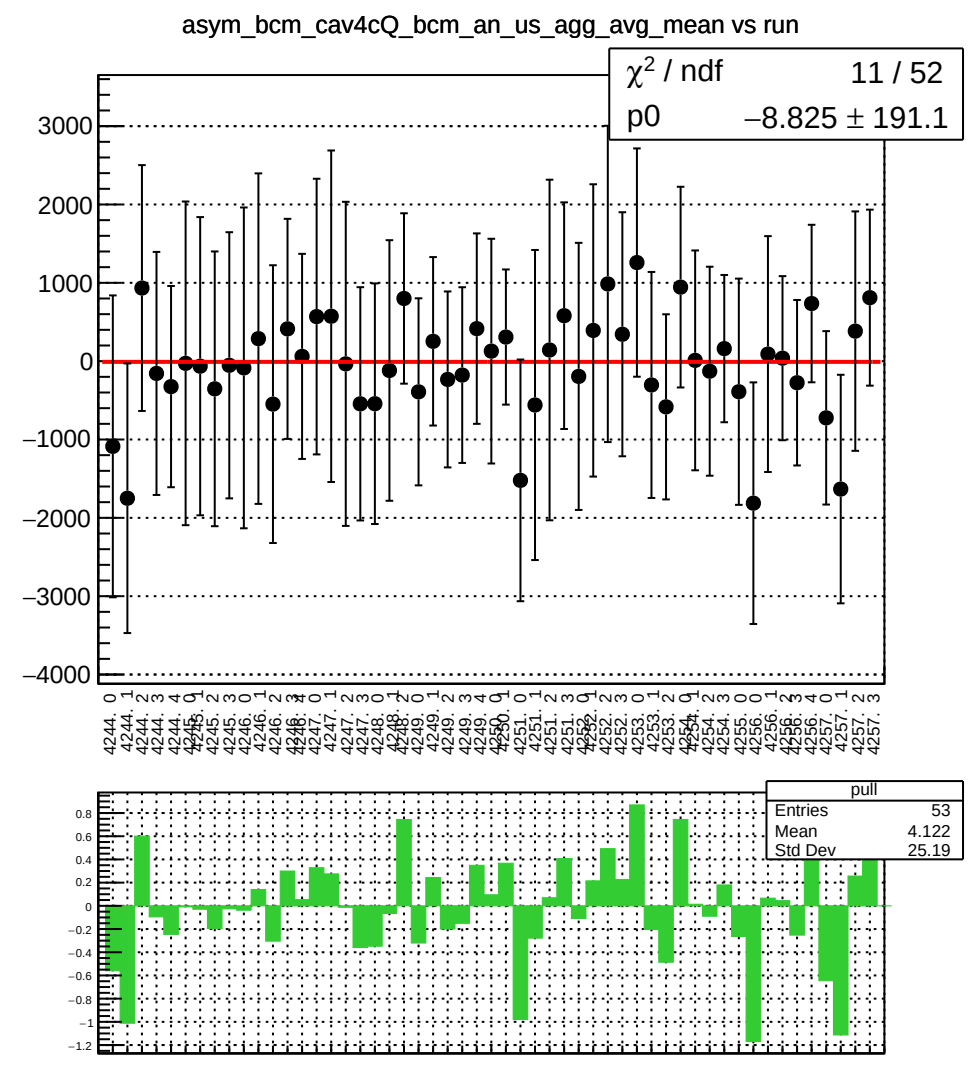
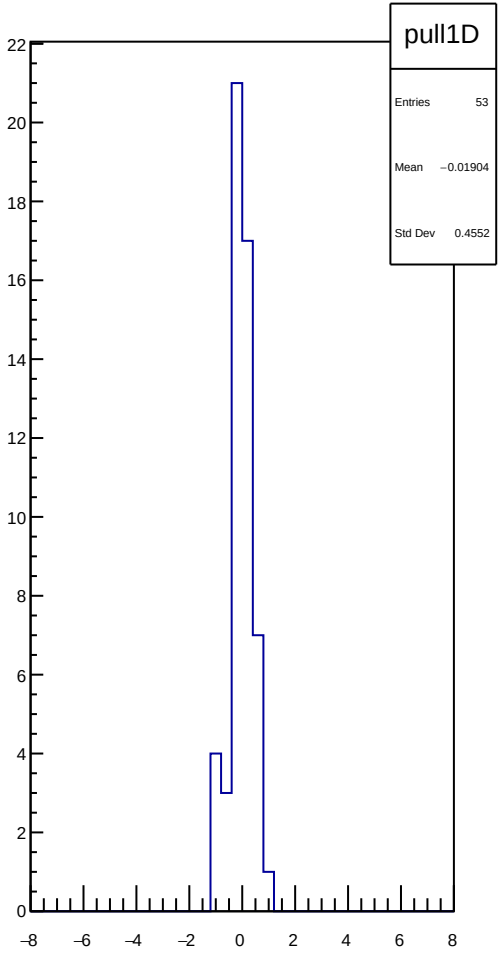
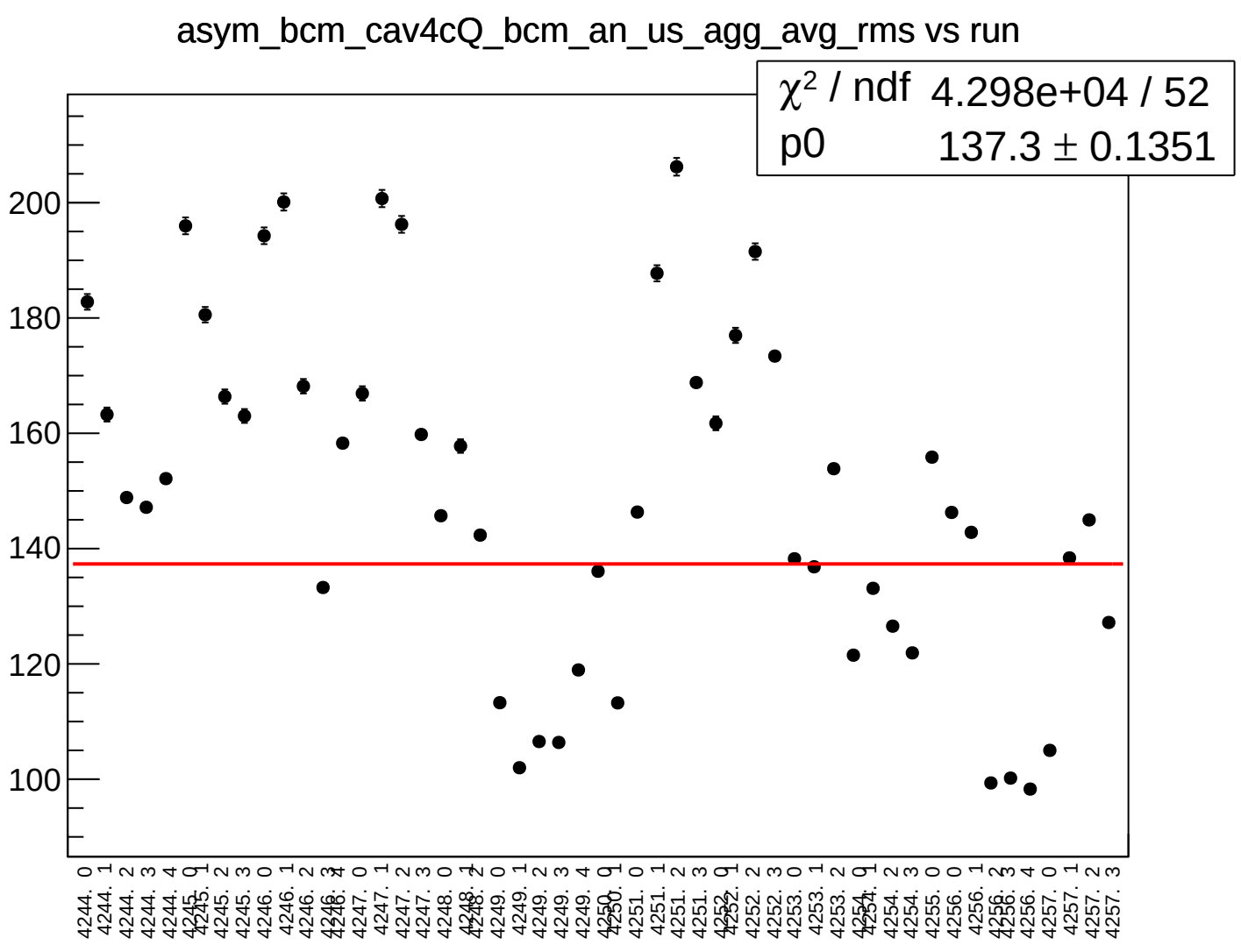
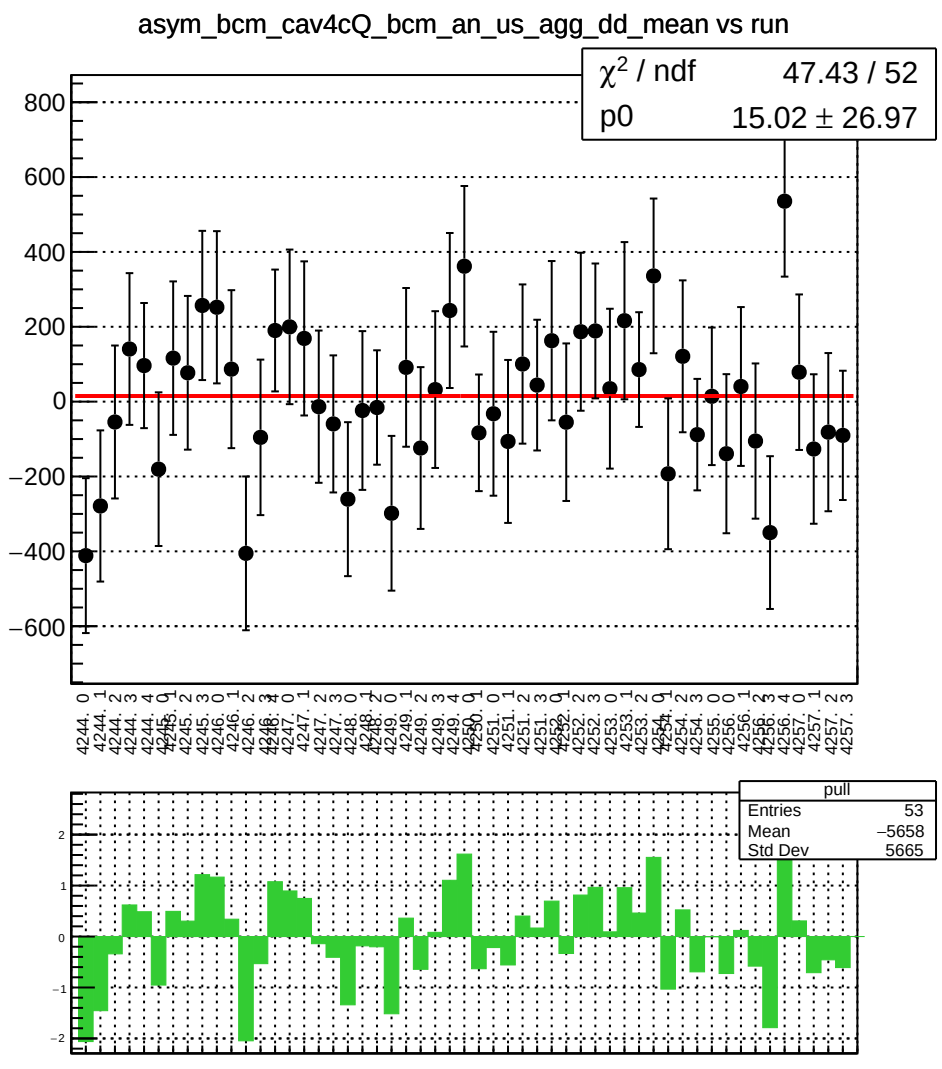
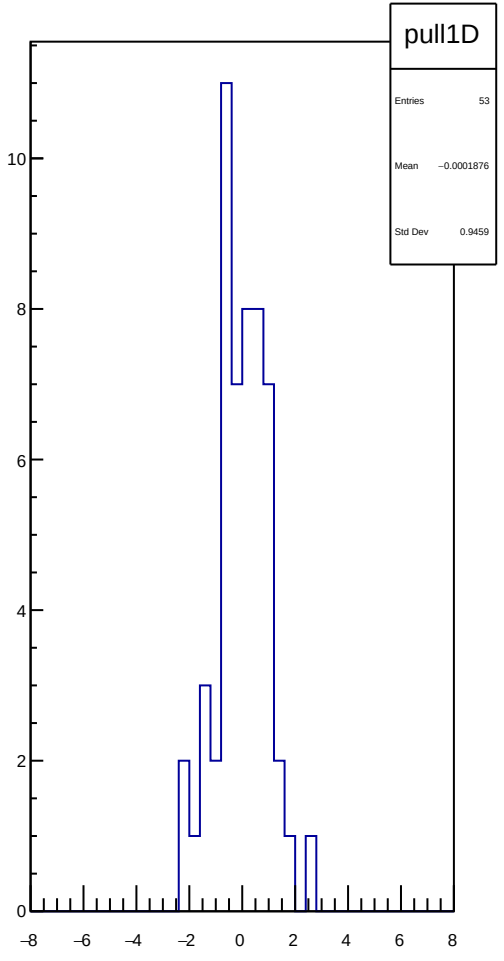
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

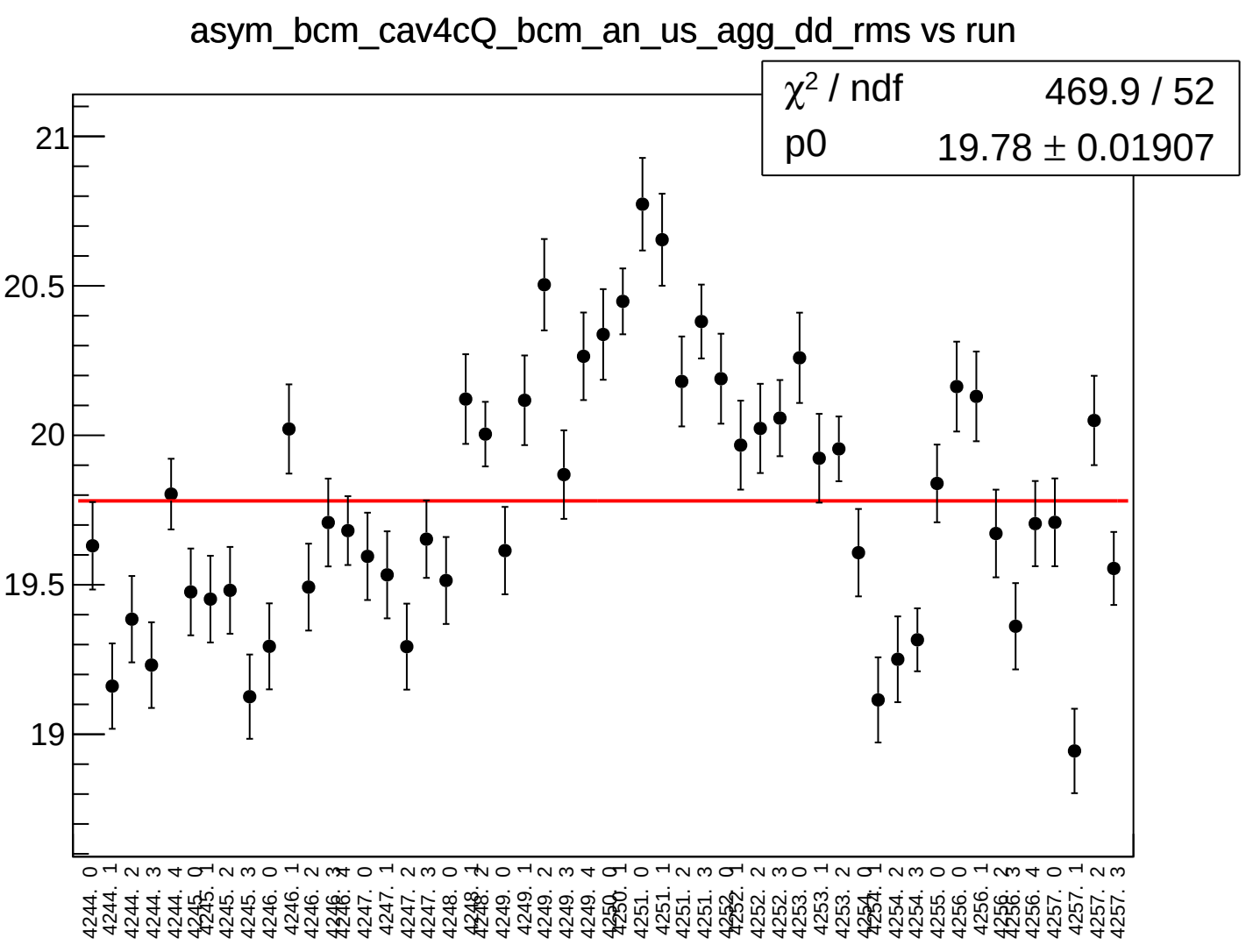

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11 / 52
p0 −8.825 ± 191.1
pull
Entries 53
Mean 4.122
Std Dev 25.19

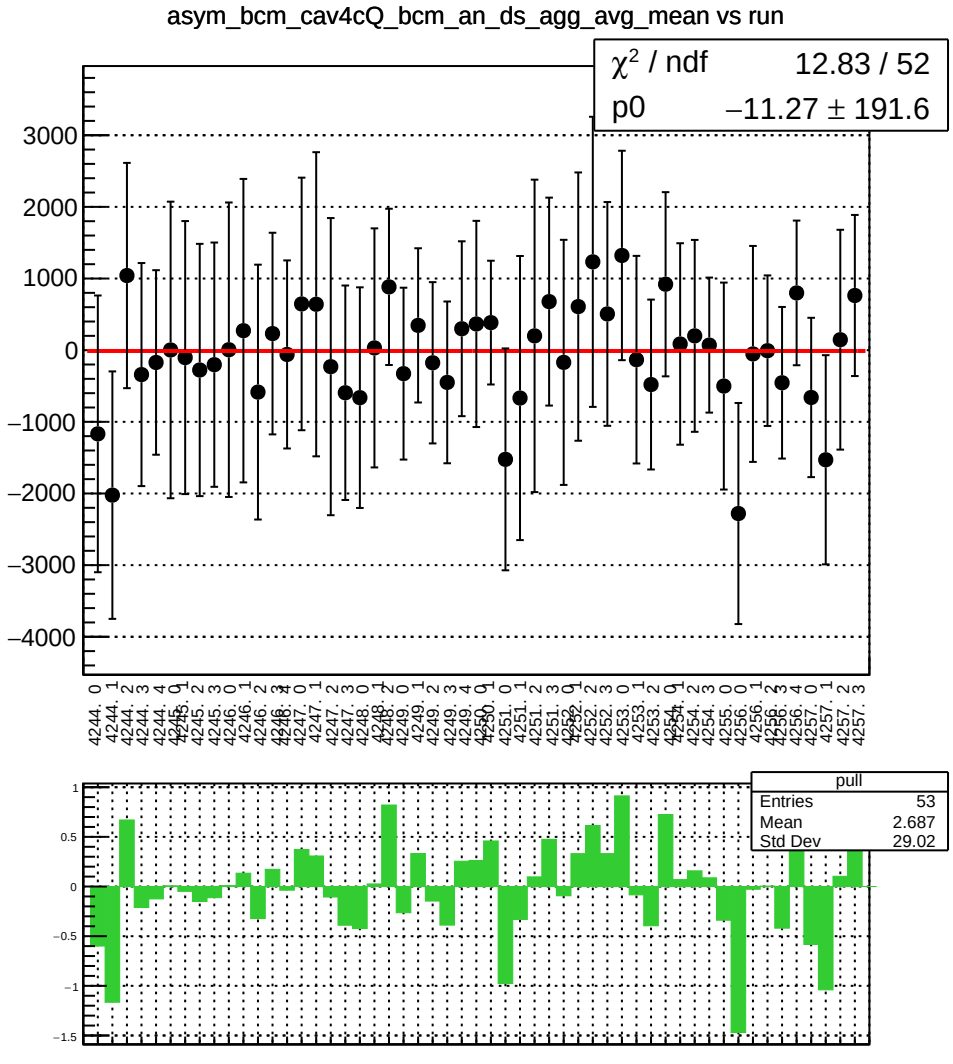

pull1D
Entries 53
Mean −0.01904
Std Dev 0.4552

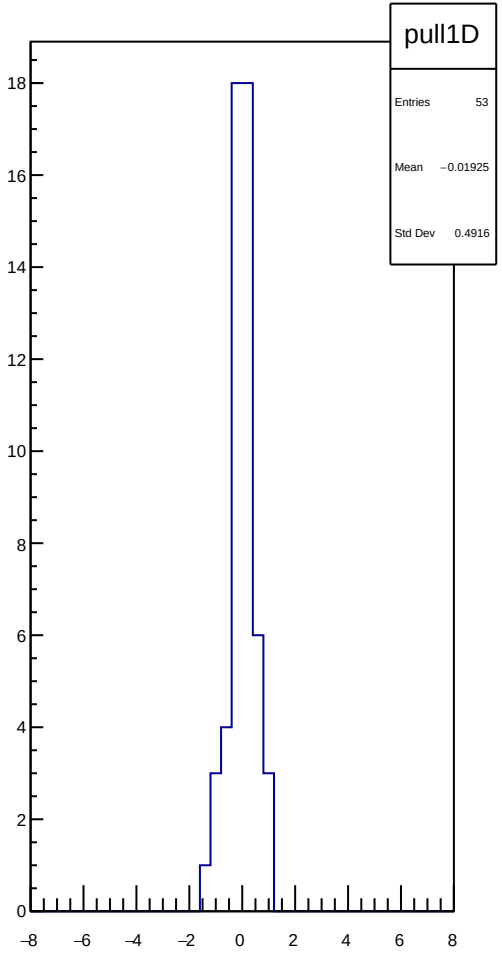

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 4.298e+04 / 52
p0 137.3 ± 0.1351
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

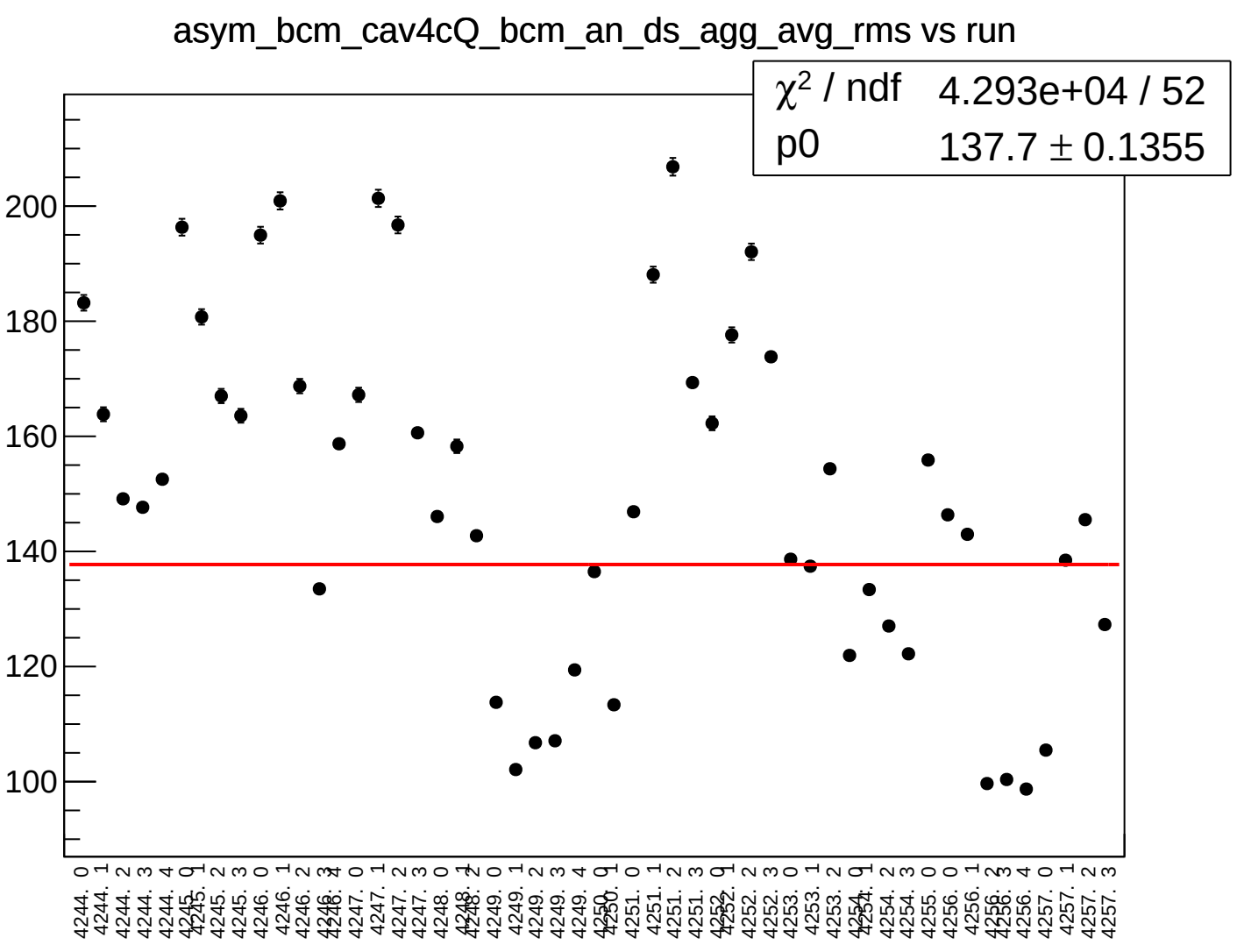

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 47.43 / 52
p0 15.02 ± 26.97
pull
Entries 53
Mean −5658
Std Dev 5665

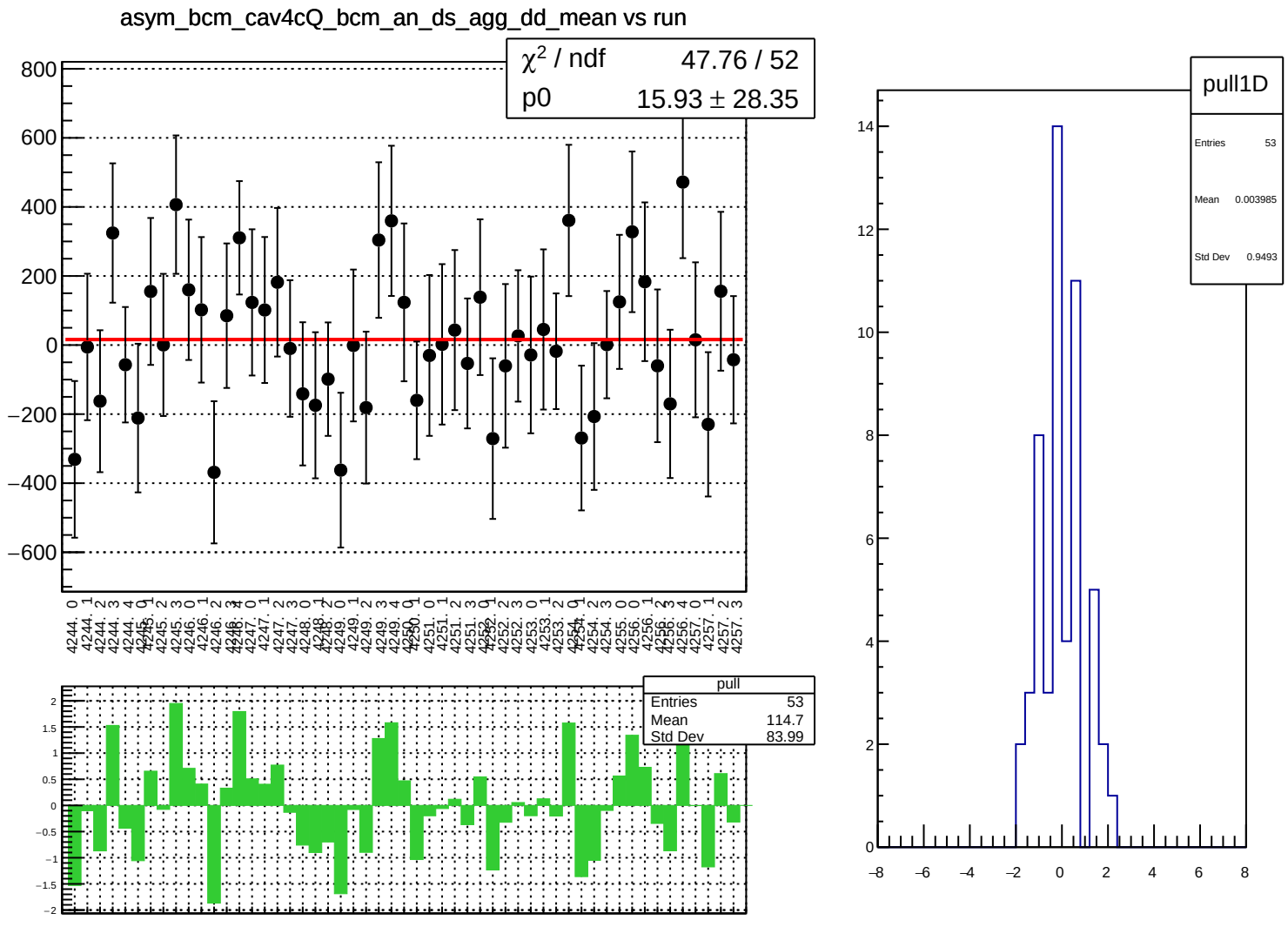

pull1D
Entries 53
Mean −0.0001876
Std Dev 0.9459

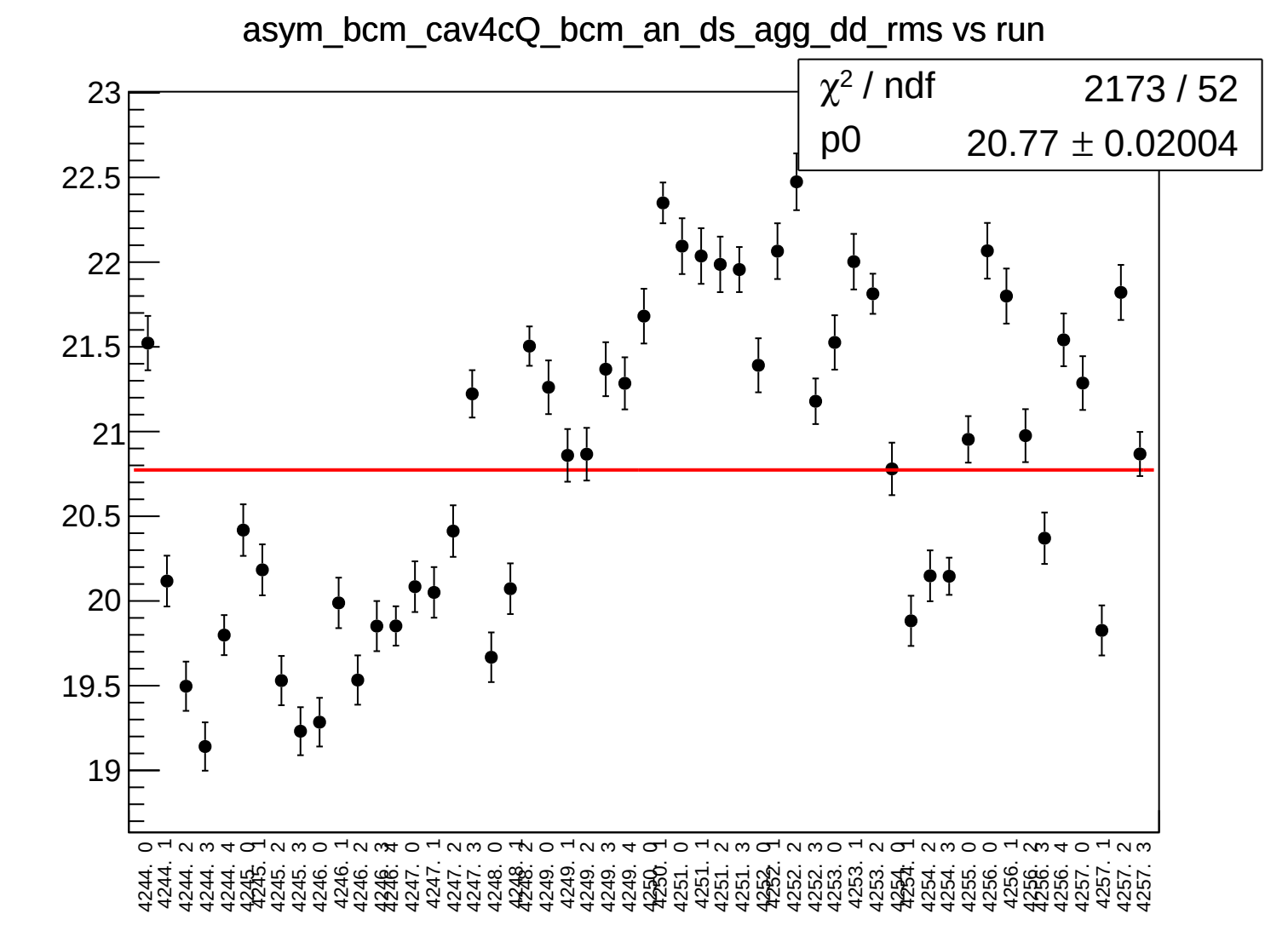

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 469.9 / 52
p0 19.78 ± 0.01907
21
20.5
20
19.5
19
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

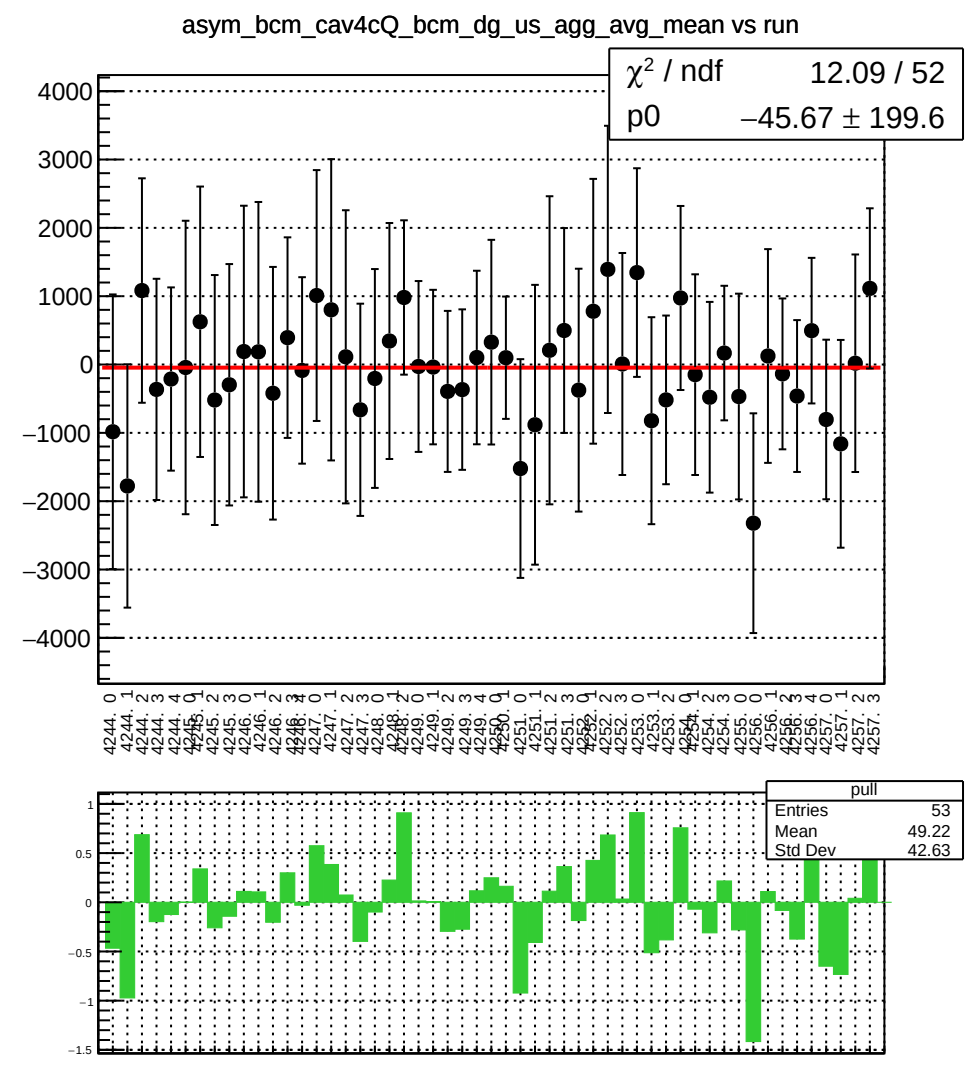

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.83 / 52
p0 −11.27 ± 191.6
pull
Entries 53
Mean 2.687
Std Dev 29.02

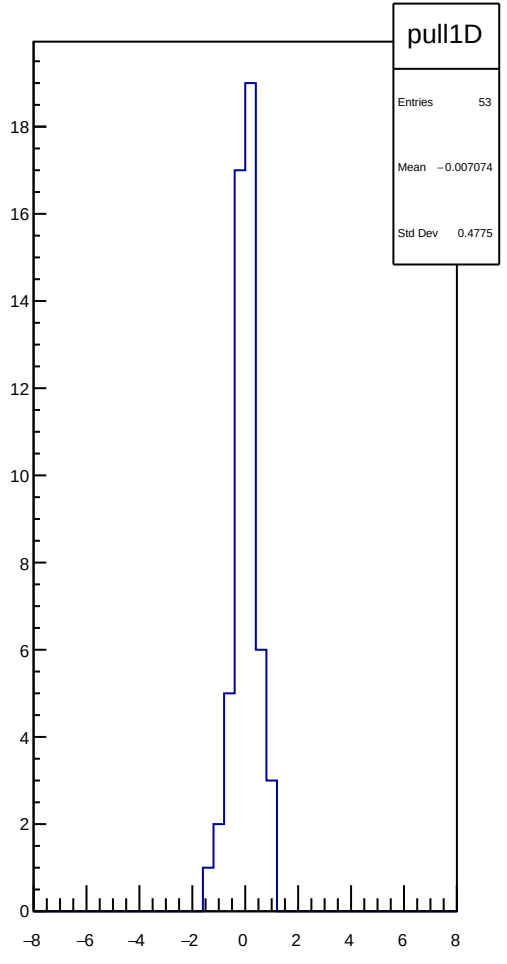

pull1D
Entries 53
Mean −0.01925
Std Dev 0.4916

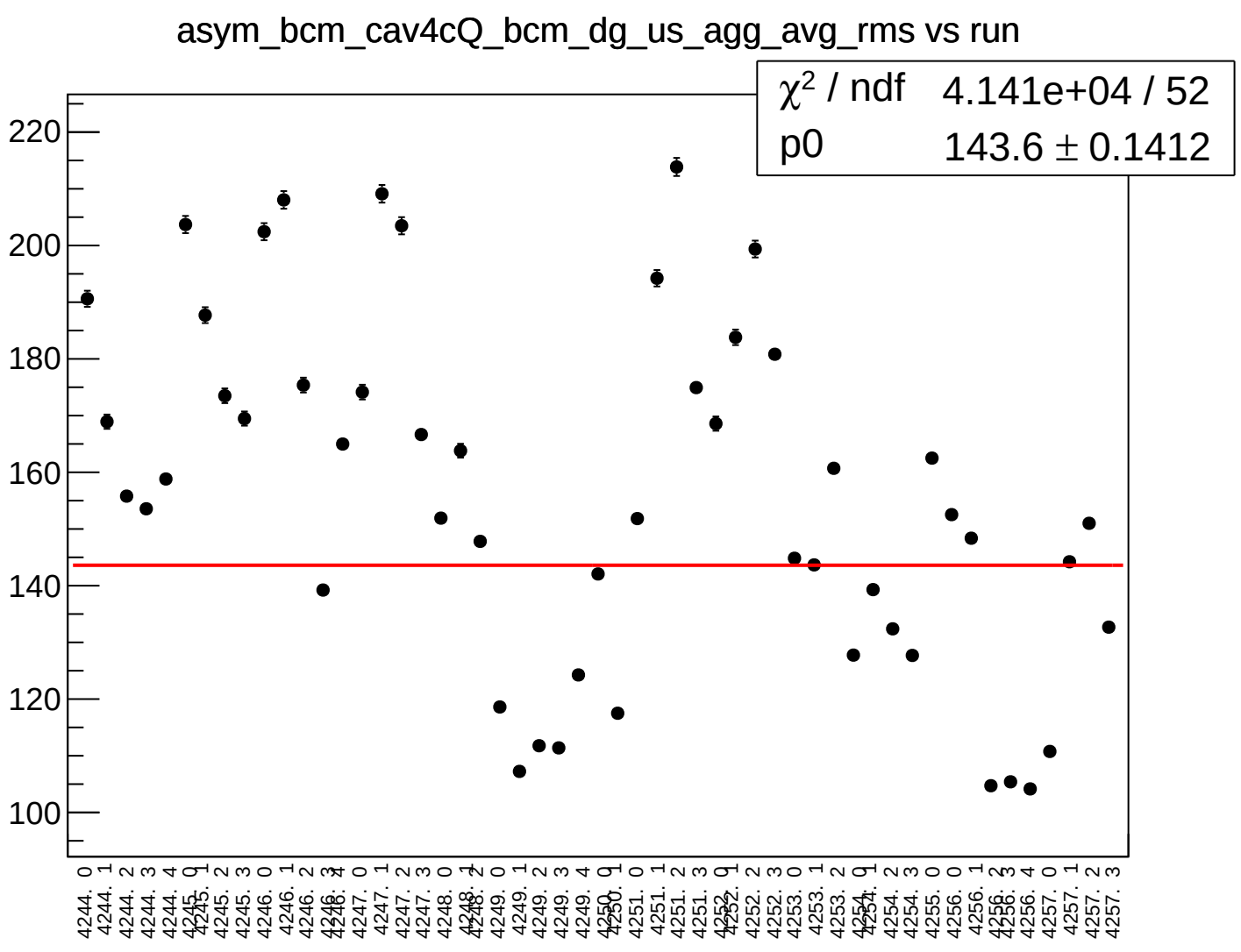

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 4.293e+04 / 52
p0 137.7 ± 0.1355
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

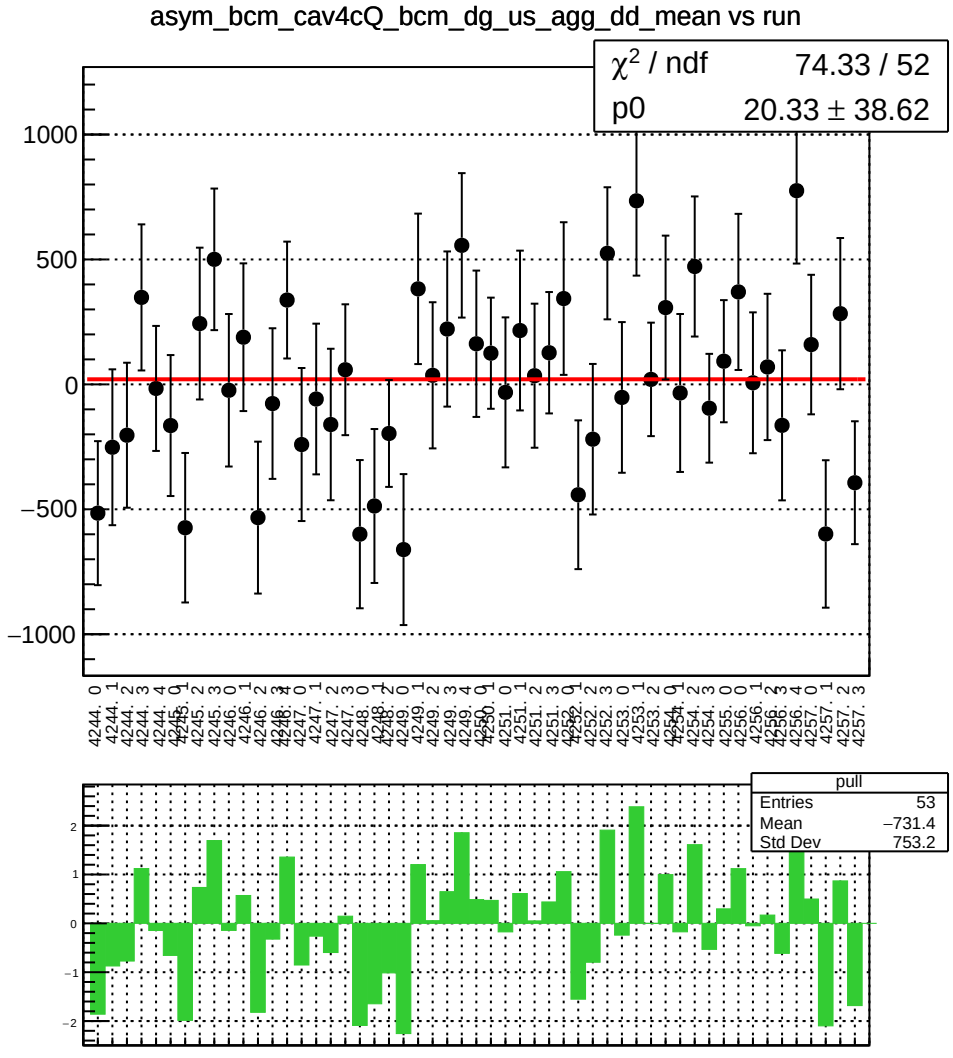

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 47.76 / 52
p0 15.93 ± 28.35
pull
Entries 53
Mean 114.7
Std Dev 83.99
pull1D
Entries 53
Mean 0.003985
Std Dev 0.9493

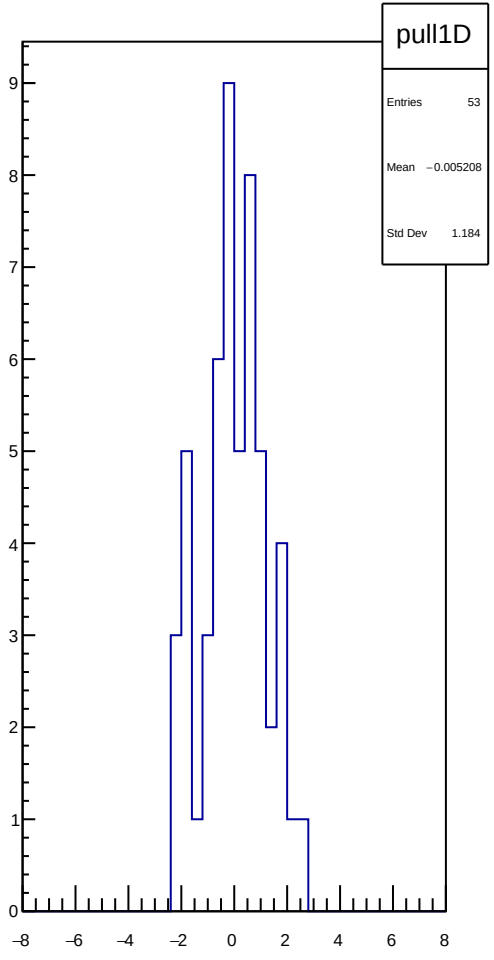

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2173 / 52
p0 20.77 ± 0.02004
23
22.5
22
21.5
21
20.5
20
19.5
19
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

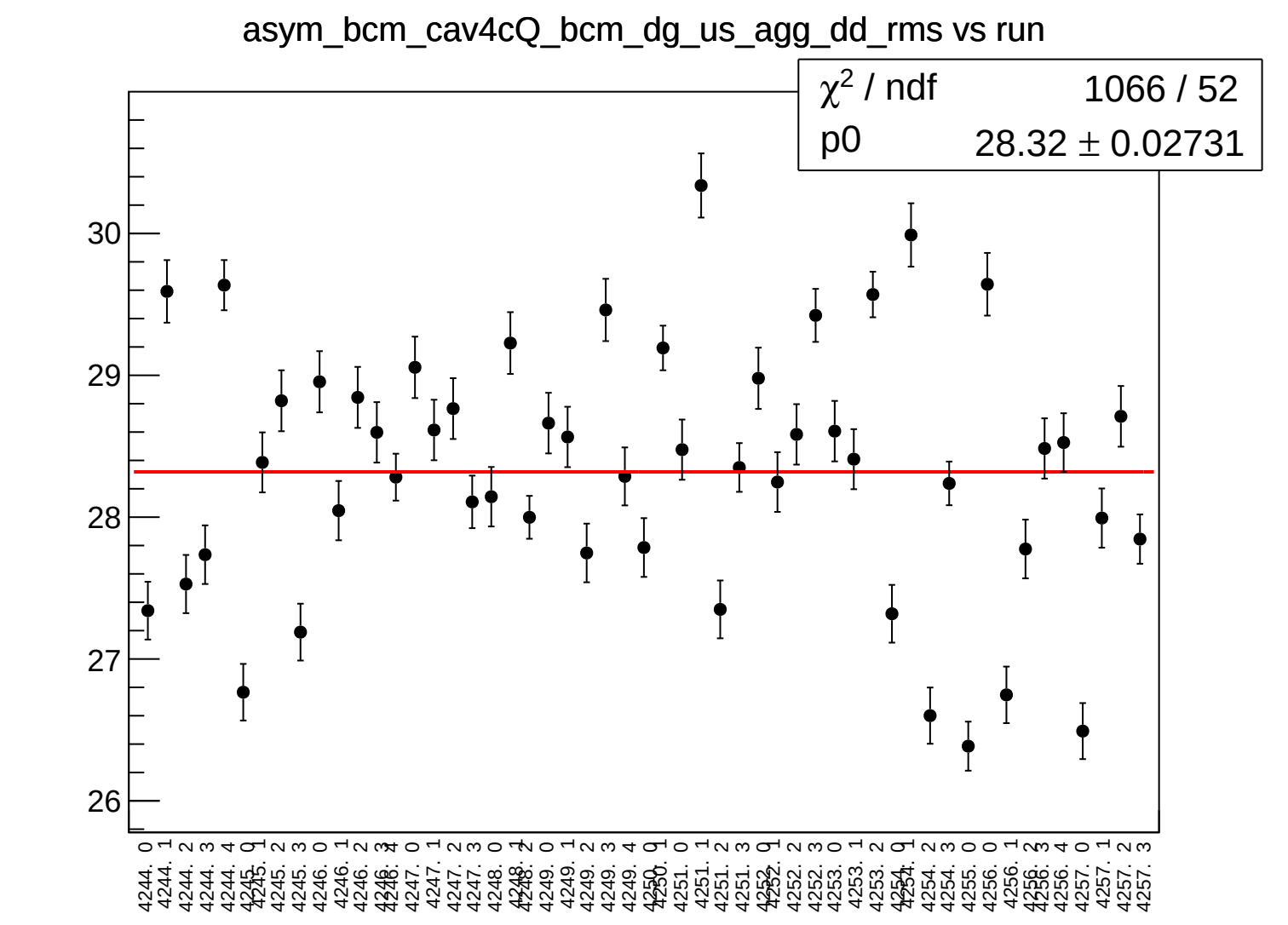

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 12.09 / 52
p0 −45.67 ± 199.6
pull
Entries 53
Mean 49.22
Std Dev 42.63


pull1D
Entries 53
Mean −0.007074
Std Dev 0.4775


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 4.141e+04 / 52
p0 143.6 ± 0.1412
220
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 74.33 / 52
p0 20.33 ± 38.62
1000
500
0
−500
−1000
pull
Entries 53
Mean −731.4
Std Dev 753.2
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.005208
Std Dev 1.184
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1066 / 52
p0 28.32 ± 0.02731
30
29
28
27
26
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
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4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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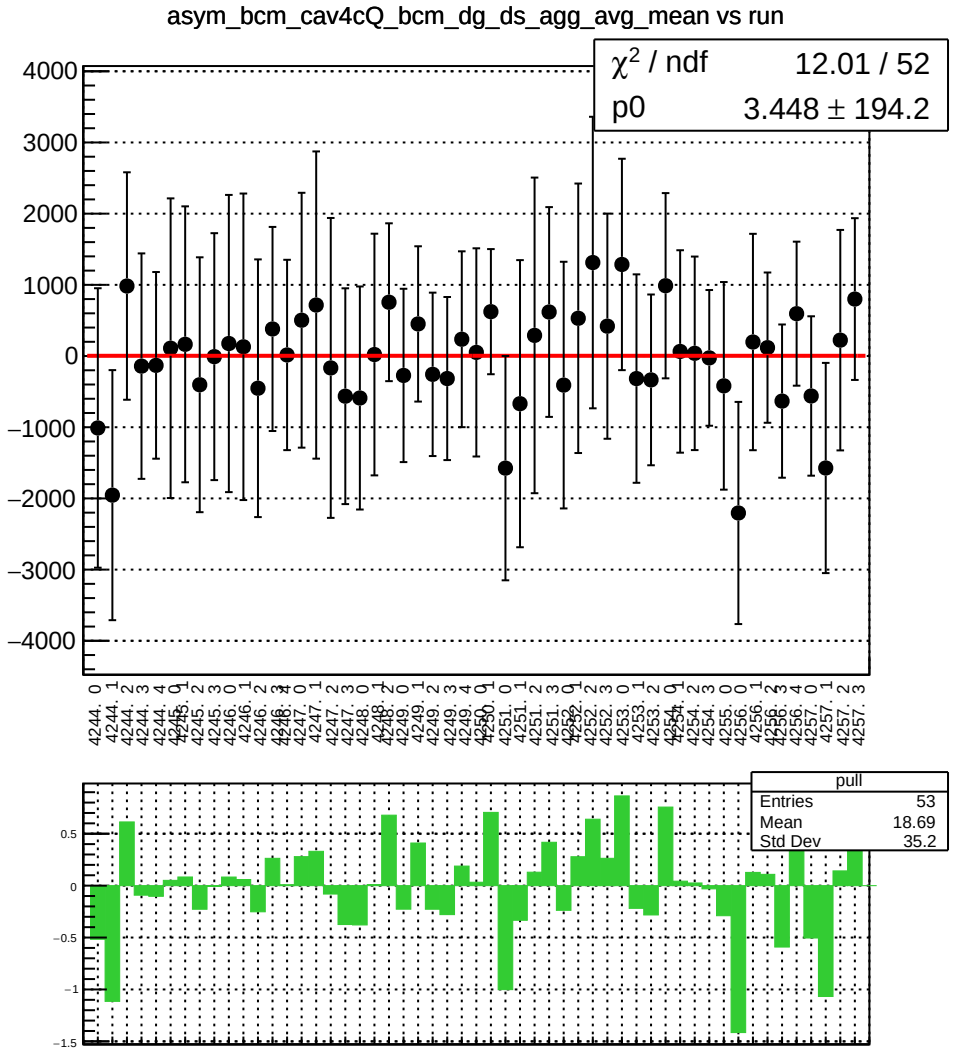
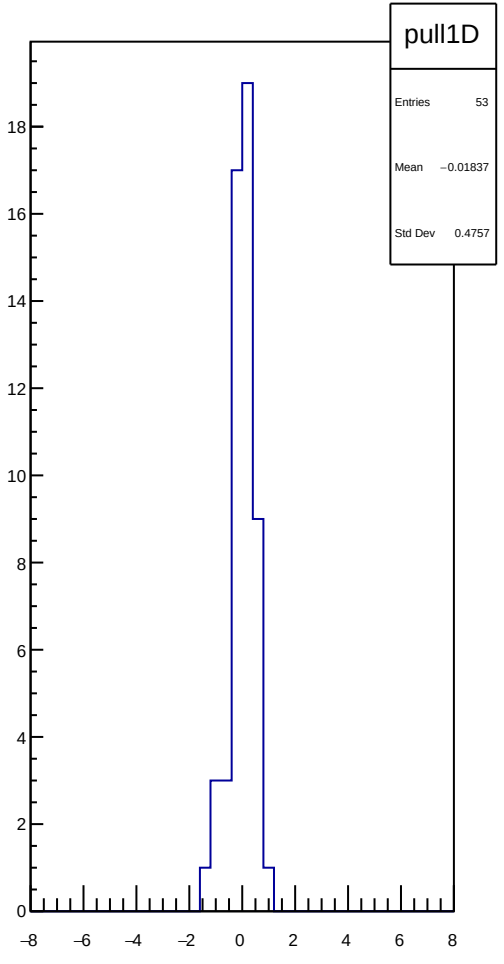
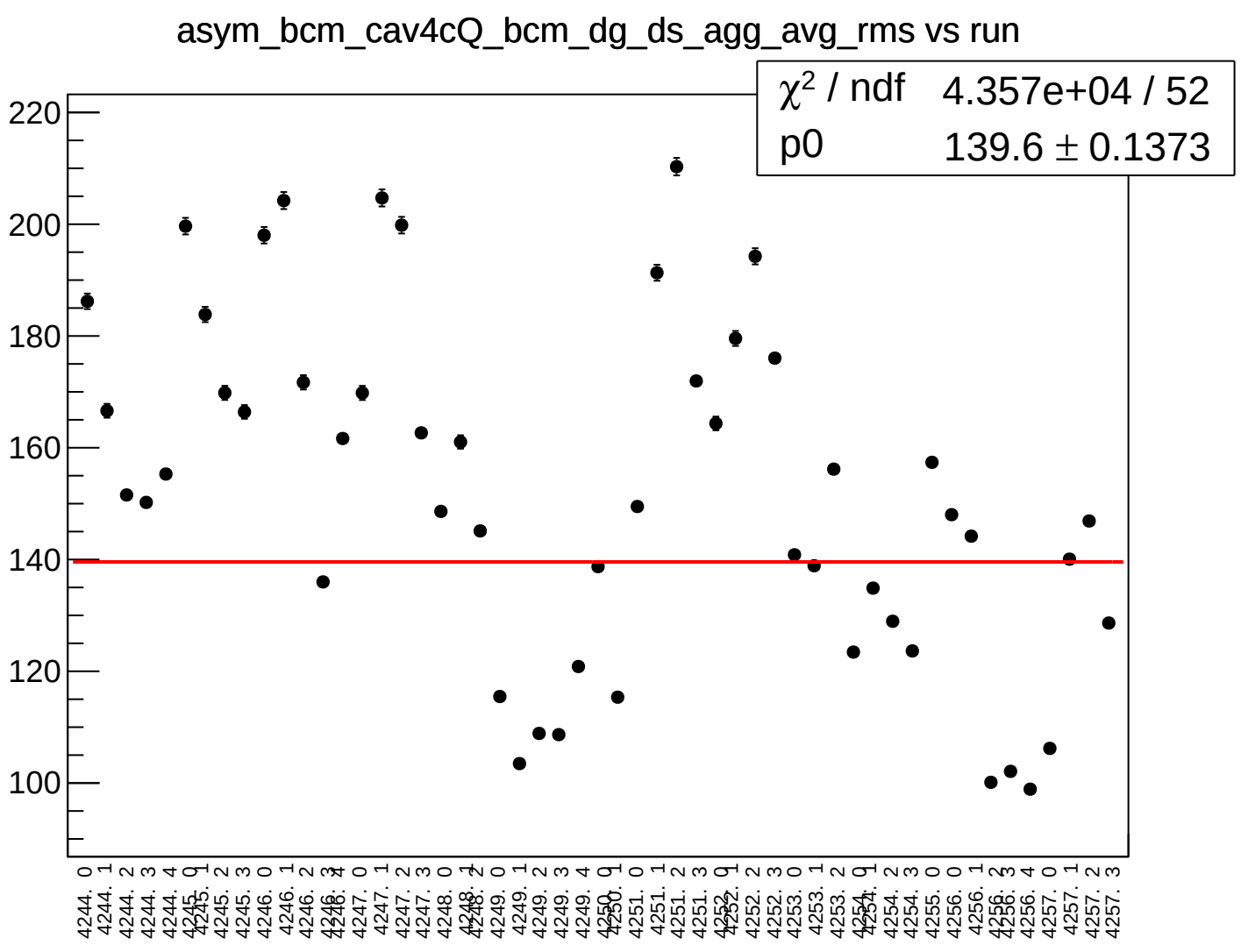
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 12.01 / 52
p0 3.448 ± 194.2
pull
Entries 53
Mean 18.69
Std Dev 35.2


pull1D
Entries 53
Mean −0.01837
Std Dev 0.4757


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 4.357e+04 / 52
p0 139.6 ± 0.1373
220
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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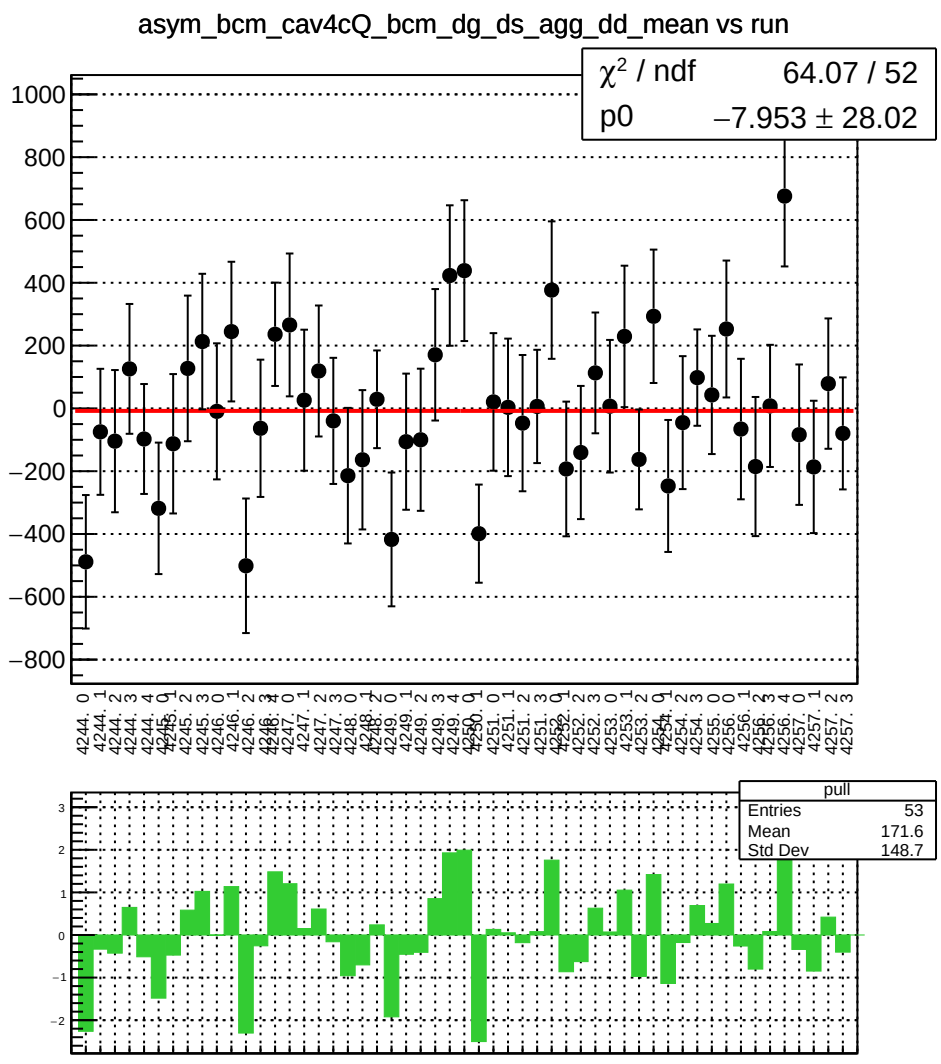
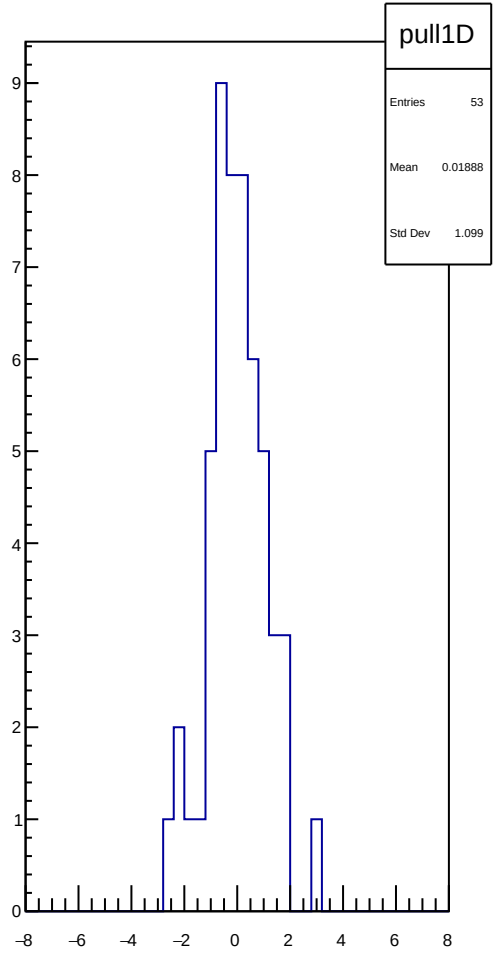
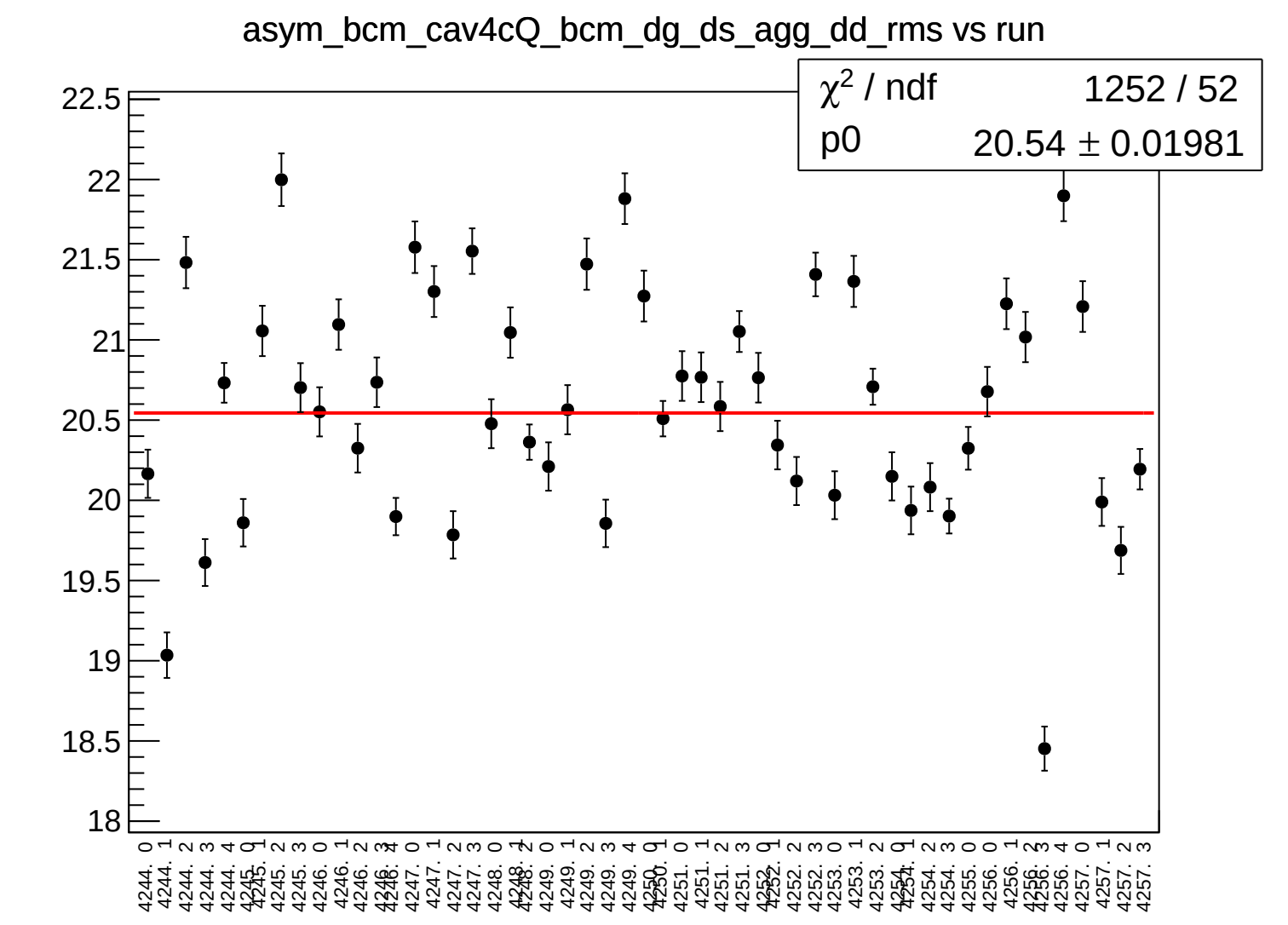
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 64.07 / 52
p0 −7.953 ± 28.02
pull
Entries 53
Mean 171.6
Std Dev 148.7


pull1D
Entries 53
Mean 0.01888
Std Dev 1.099


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1252 / 52
p0 20.54 ± 0.01981
22.5
22
21.5
21
20.5
20
19.5
19
18.5
18
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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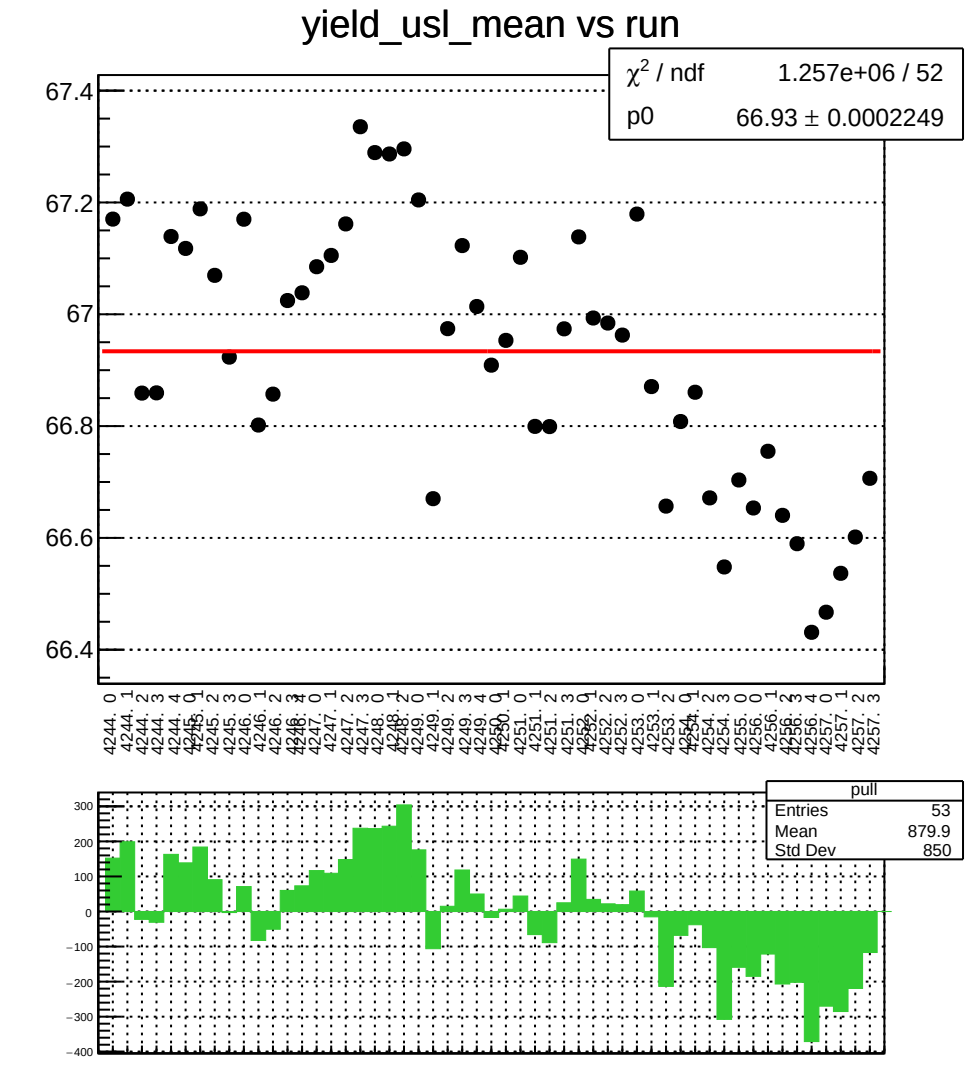
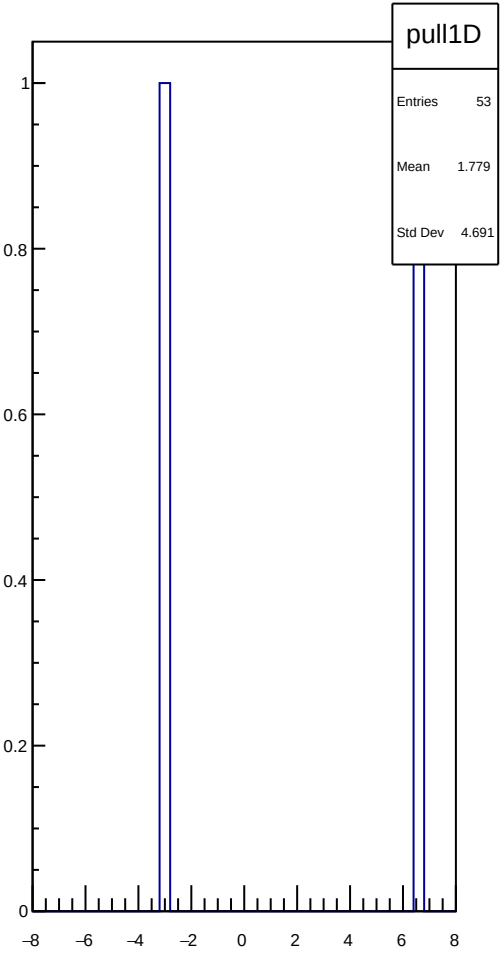
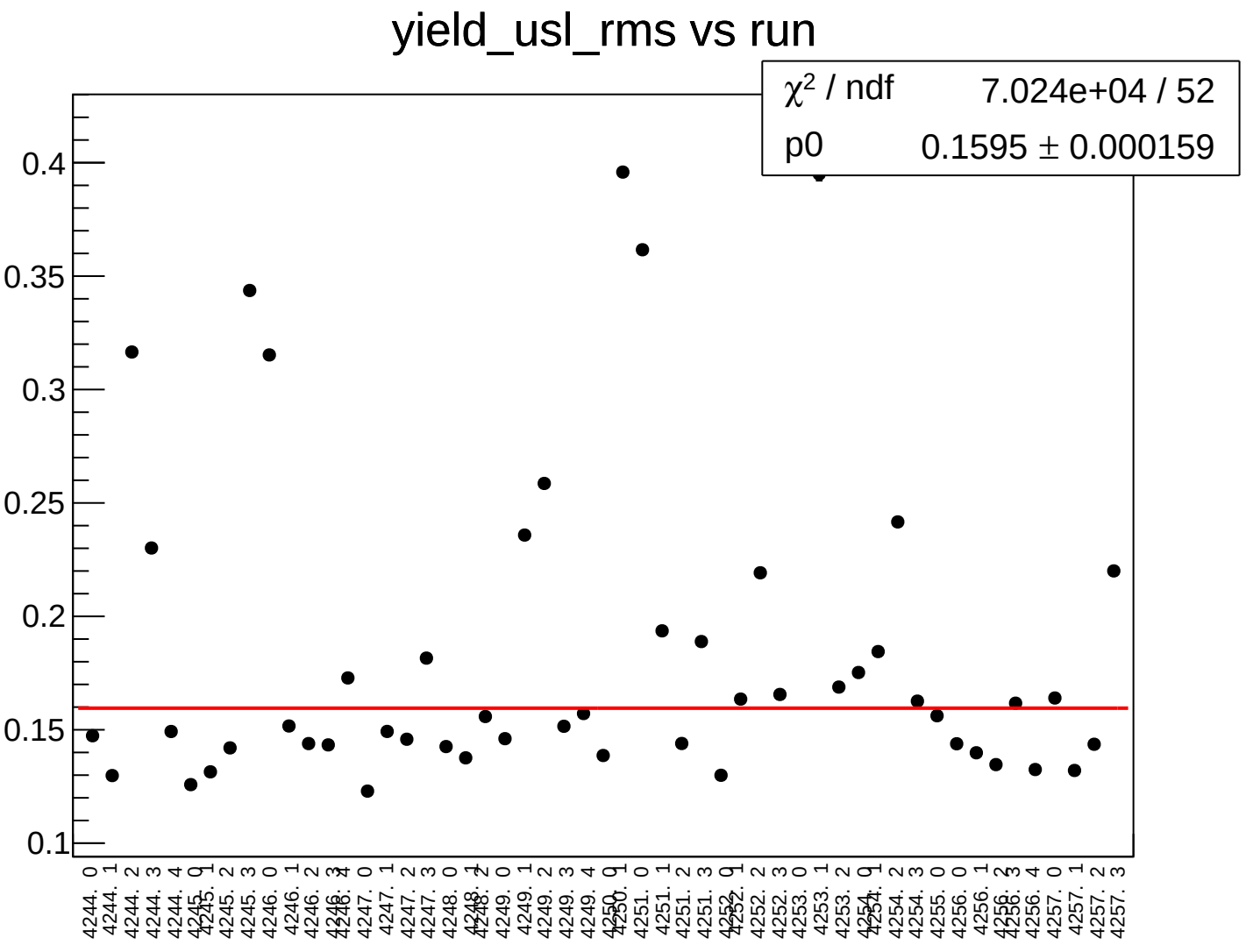
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


yield_usl_mean vs run
χ² / ndf 1.257e+06 / 52
p0 66.93 ± 0.0002249
67.4
67.2
67
66.8
66.6
66.4
pull
Entries 53
Mean 879.9
Std Dev 850
300
200
100
0
−100
−200
−300
−400


pull1D
Entries 53
Mean 1.779
Std Dev 4.691
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 7.024e+04 / 52
p0 0.1595 ± 0.000159
0.4
0.35
0.3
0.25
0.2
0.15
0.1
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
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4250. 1
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4256. 0
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4256. 4
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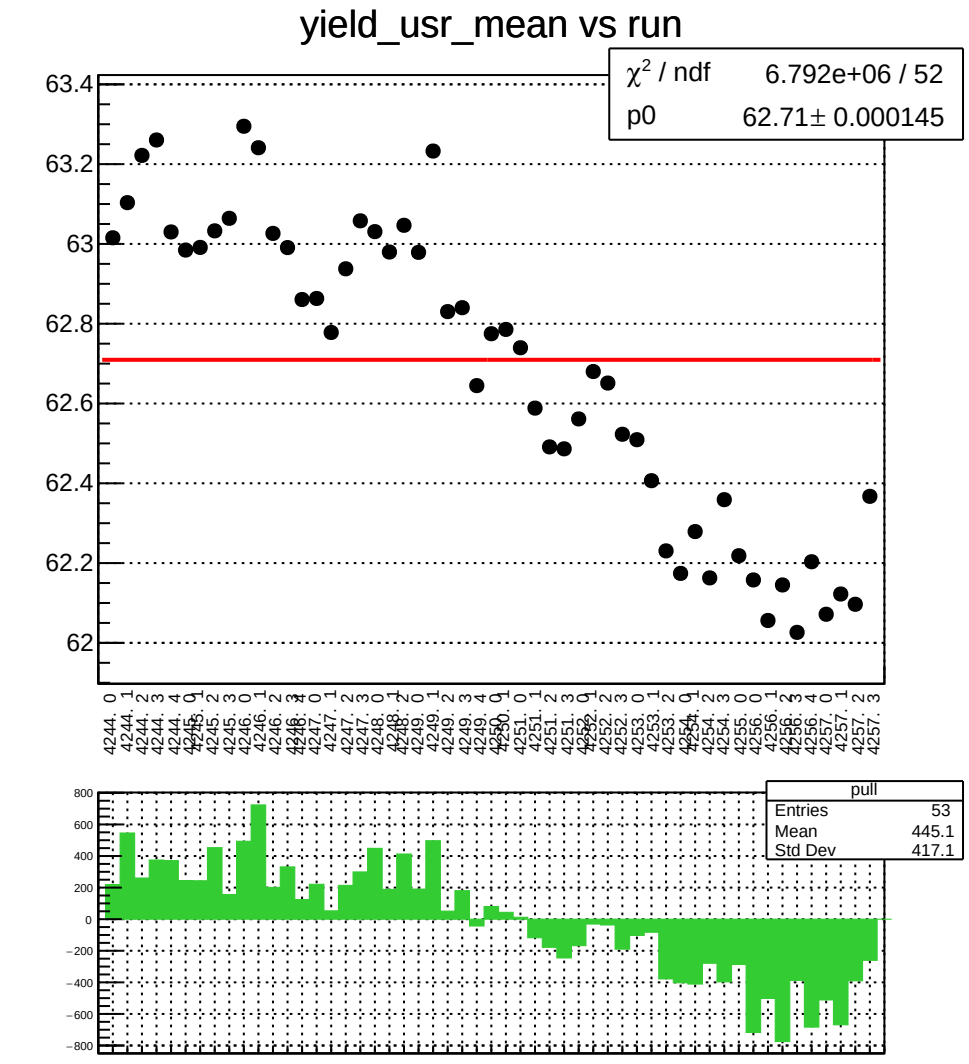
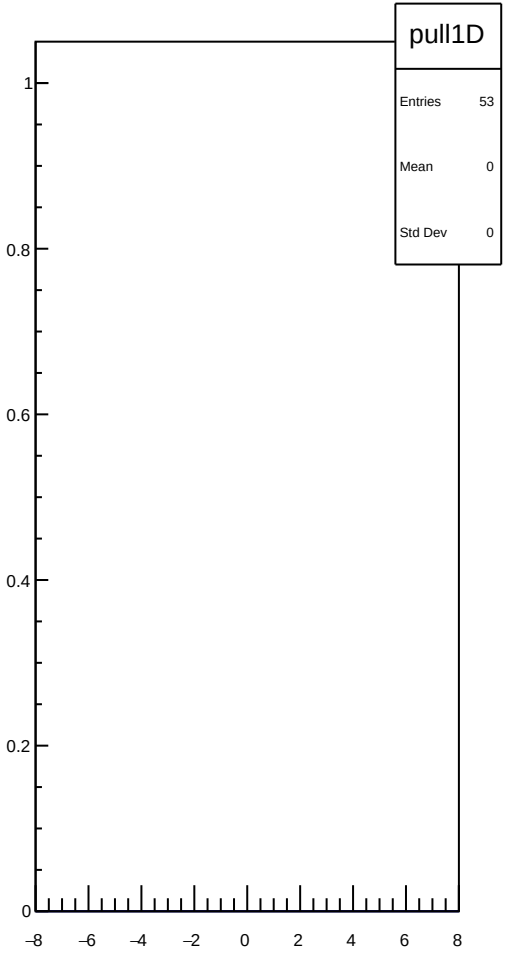
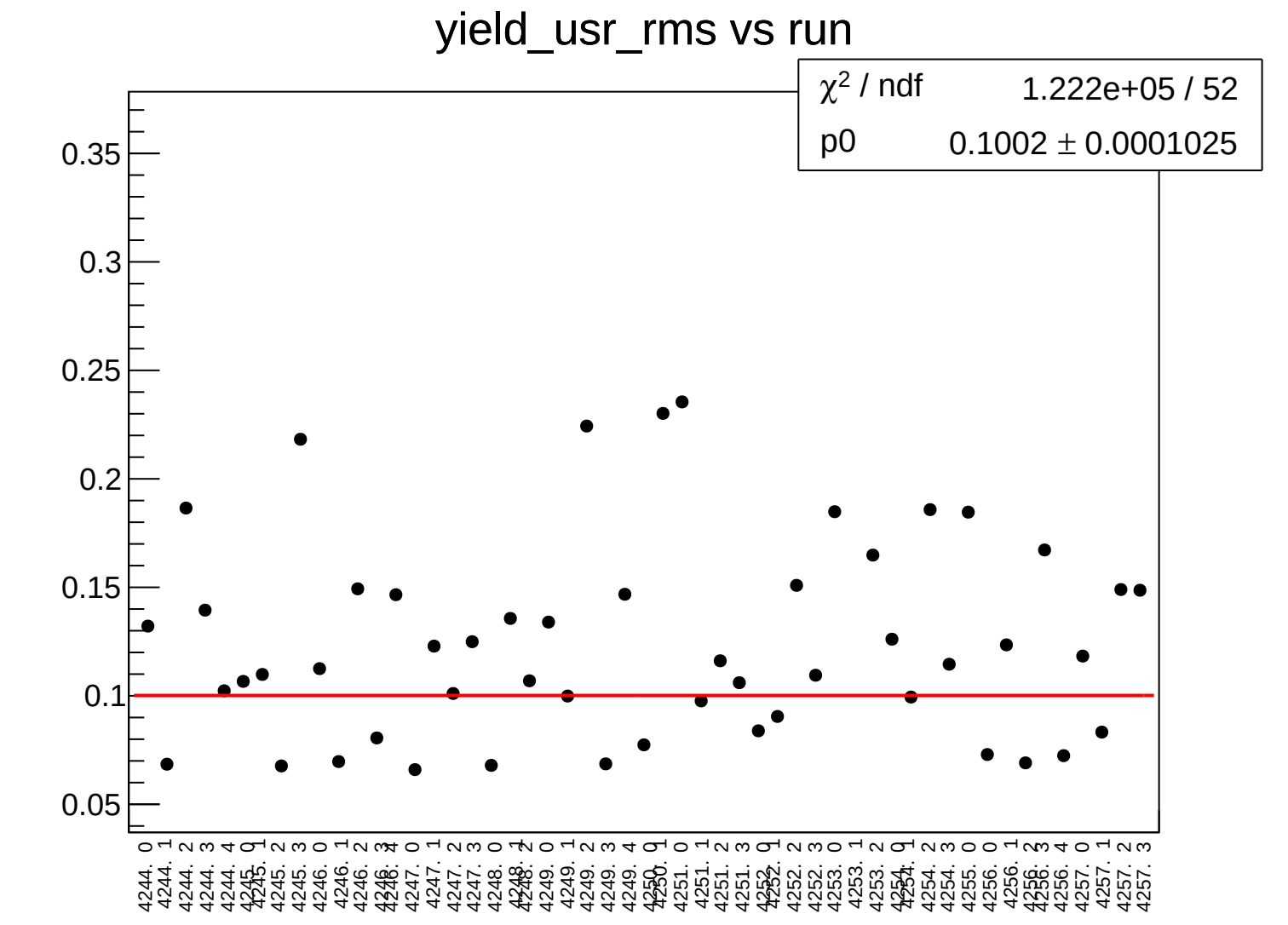
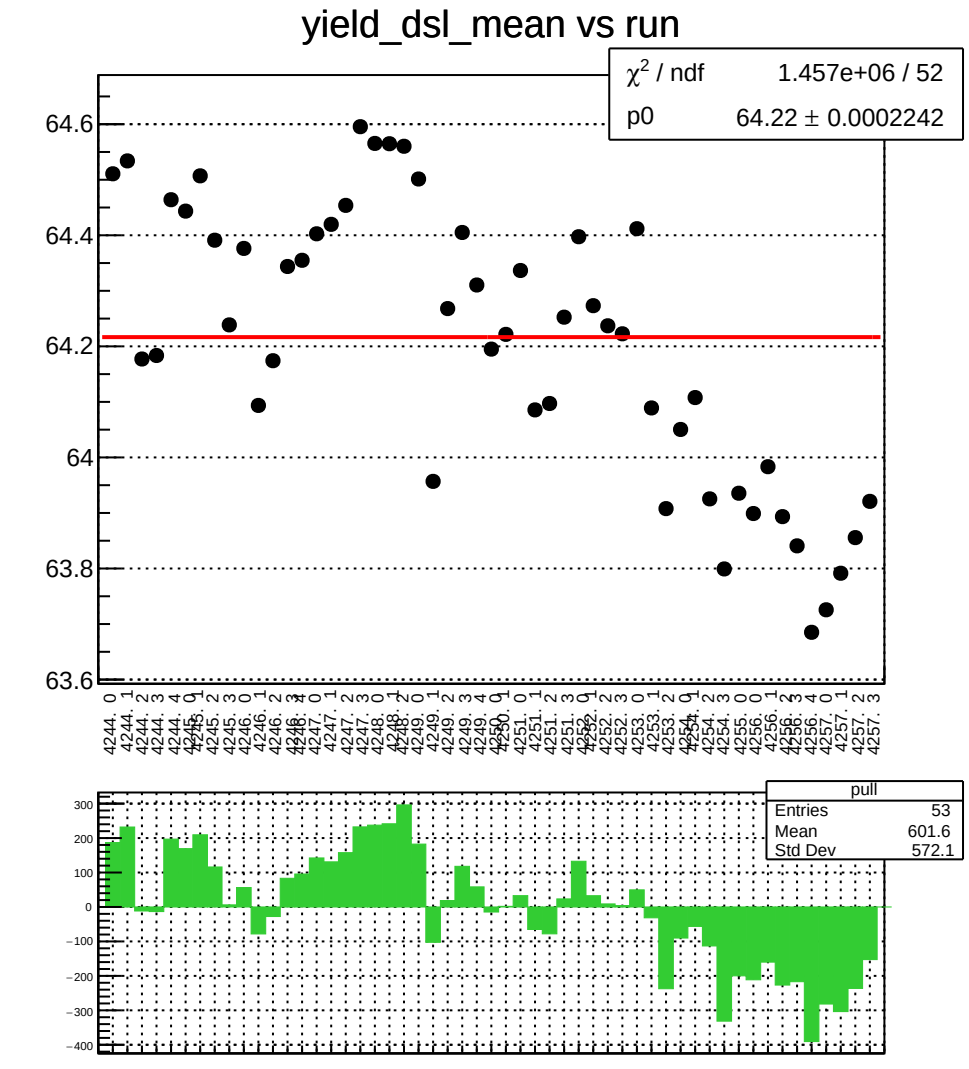
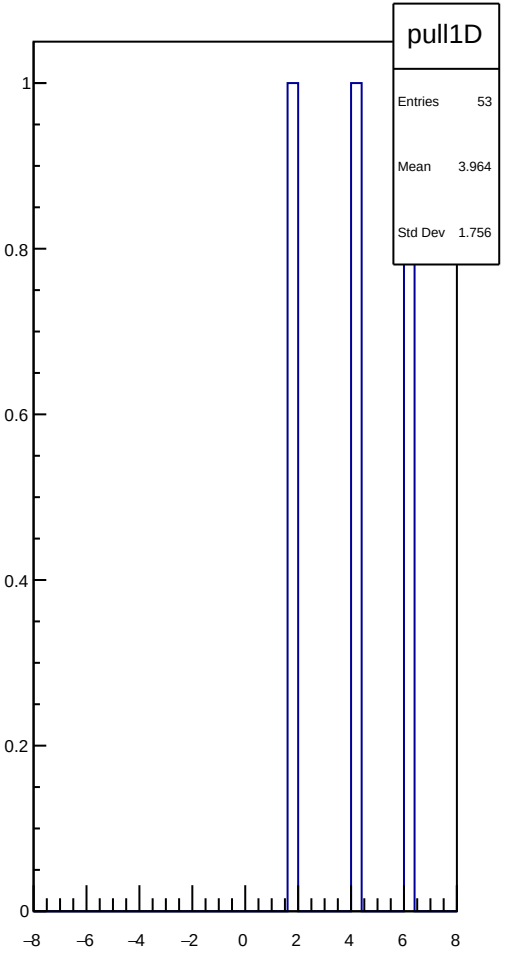
4257. 2
4257. 3

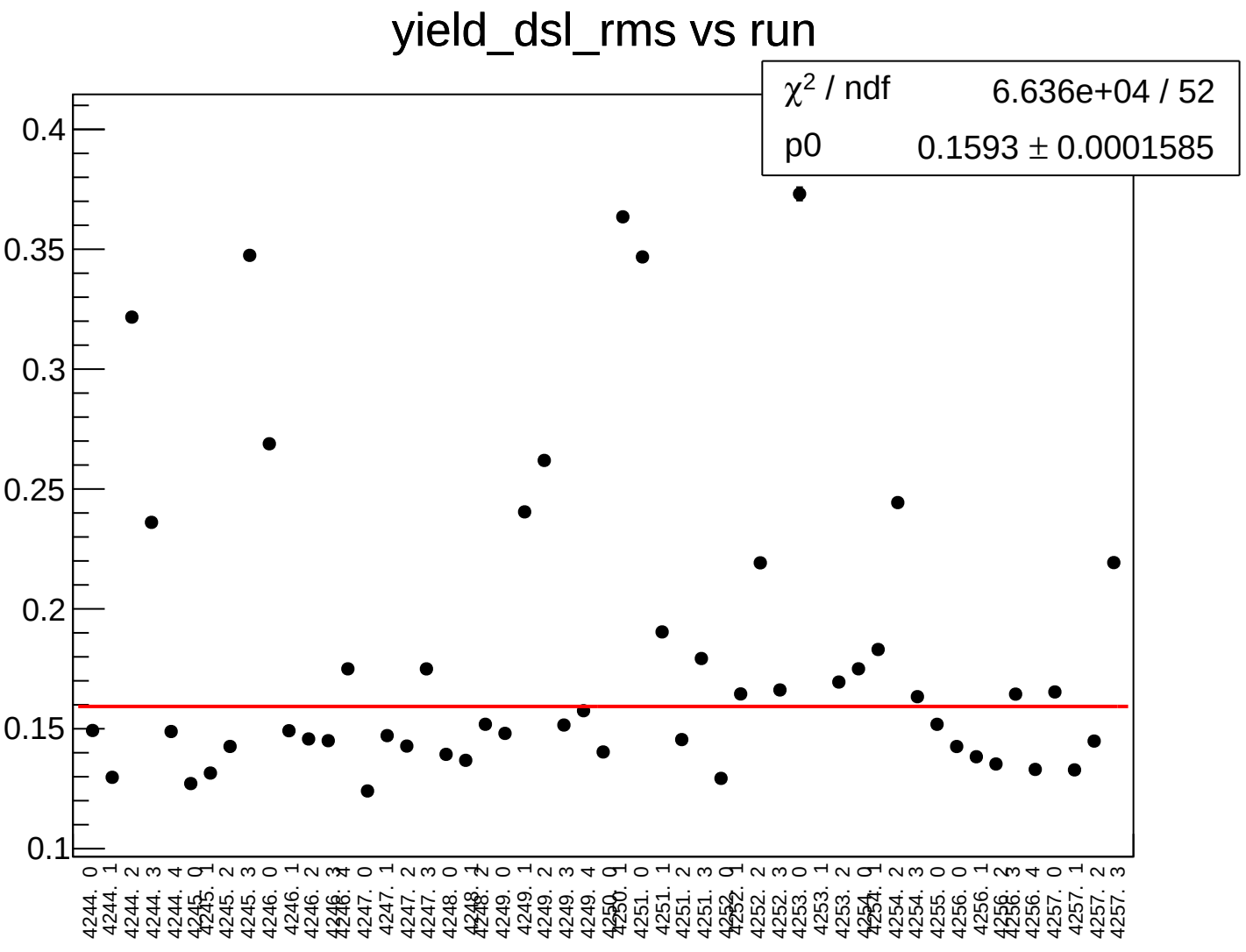

yield_usr_mean vs run
χ² / ndf 6.792e+06 / 52
p0 62.71± 0.000145
63.4
63.2
63
62.8
62.6
62.4
62.2
62
pull
Entries 53
Mean 445.1
Std Dev 417.1
800
600
400
200
0
−200
−400
−600
−800

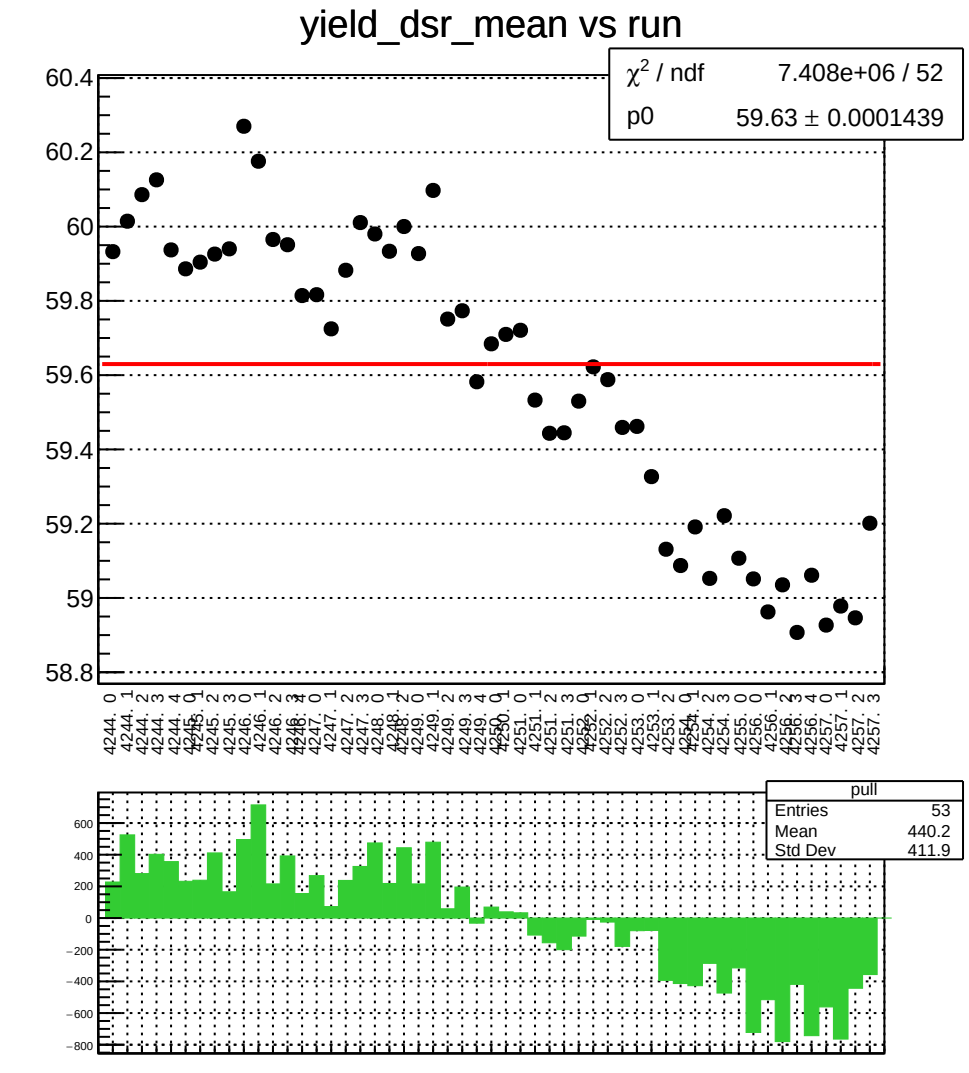

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

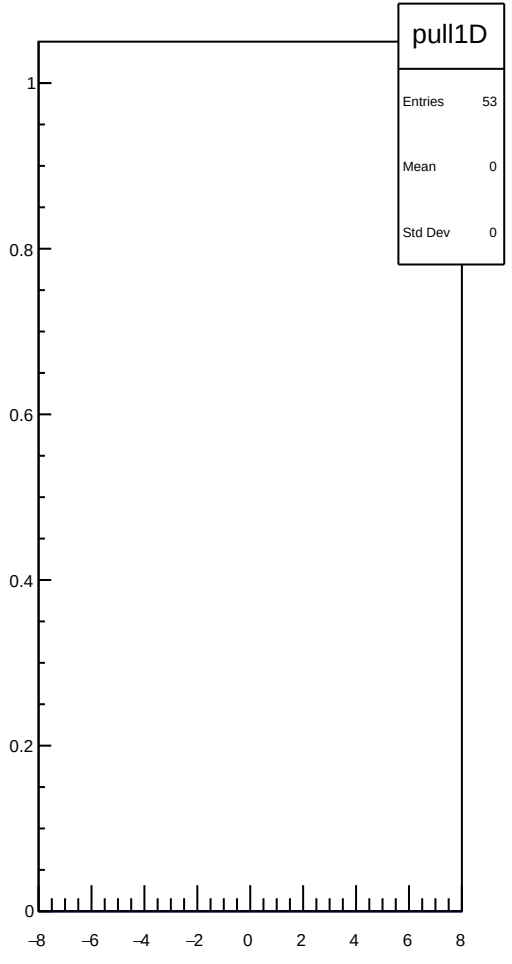

yield_usr_rms vs run
χ² / ndf 1.222e+05 / 52
p0 0.1002 ± 0.0001025
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

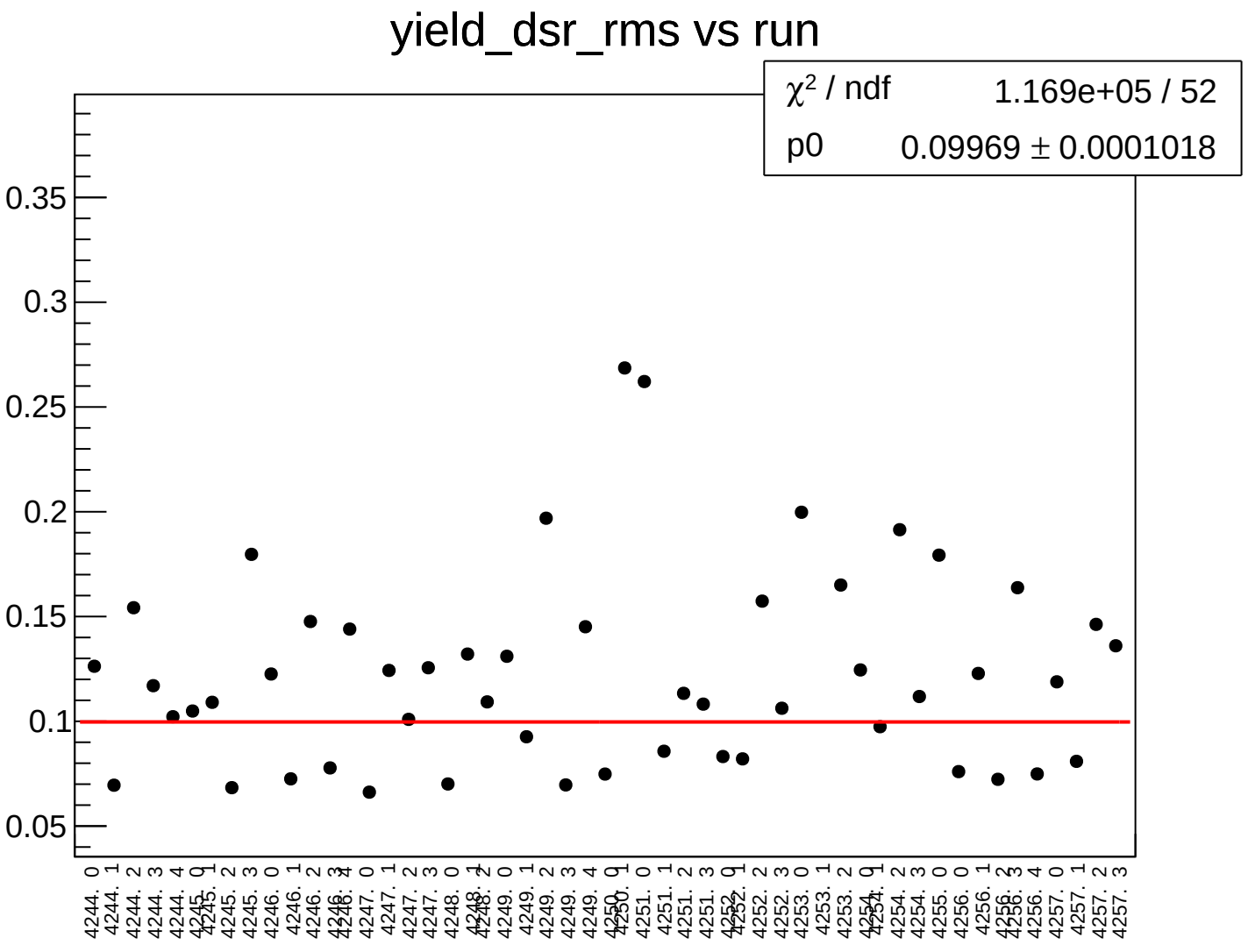

yield_dsl_mean vs run
χ² / ndf 1.457e+06 / 52
p0 64.22 ± 0.0002242
64.6
64.4
64.2
64
63.8
63.6
pull
Entries 53
Mean 601.6
Std Dev 572.1
300
200
100
0
−100
−200
−300
−400

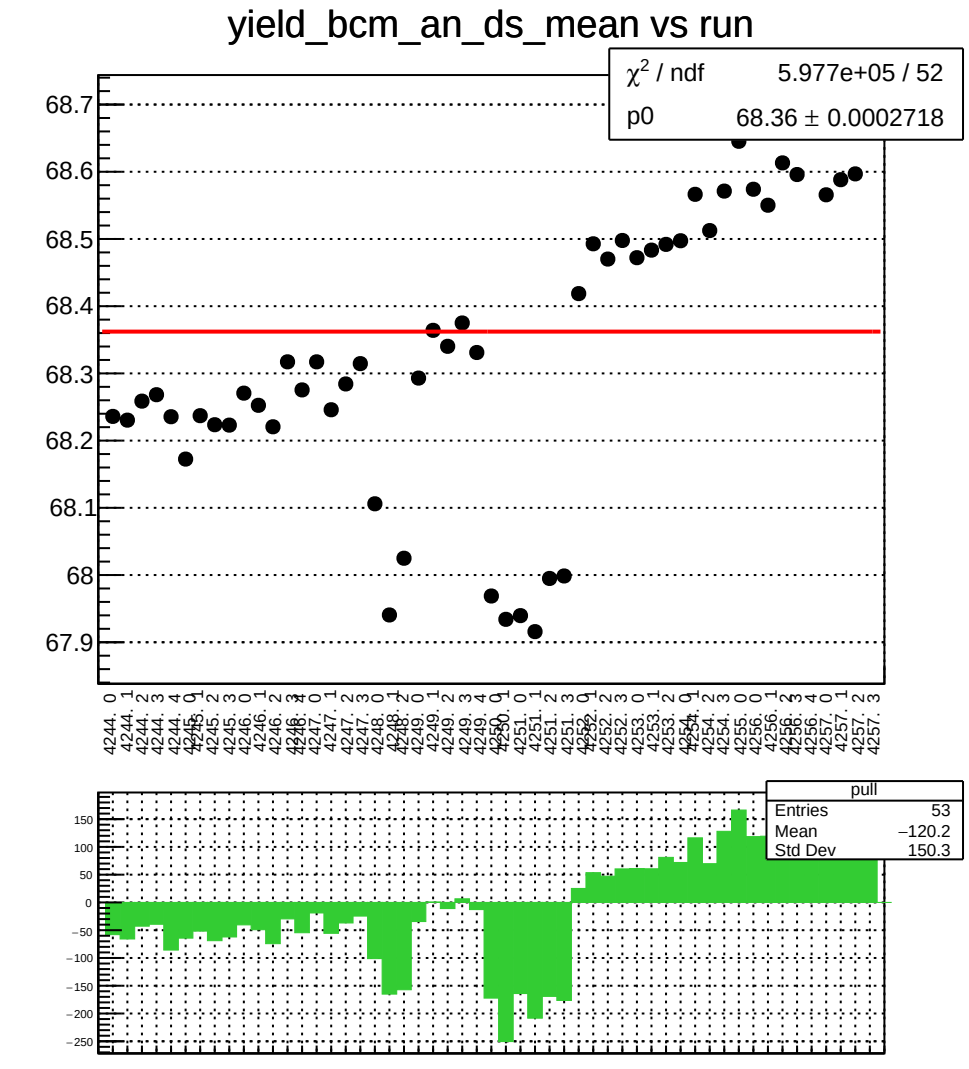

pull1D
Entries 53
Mean 3.964
Std Dev 1.756
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

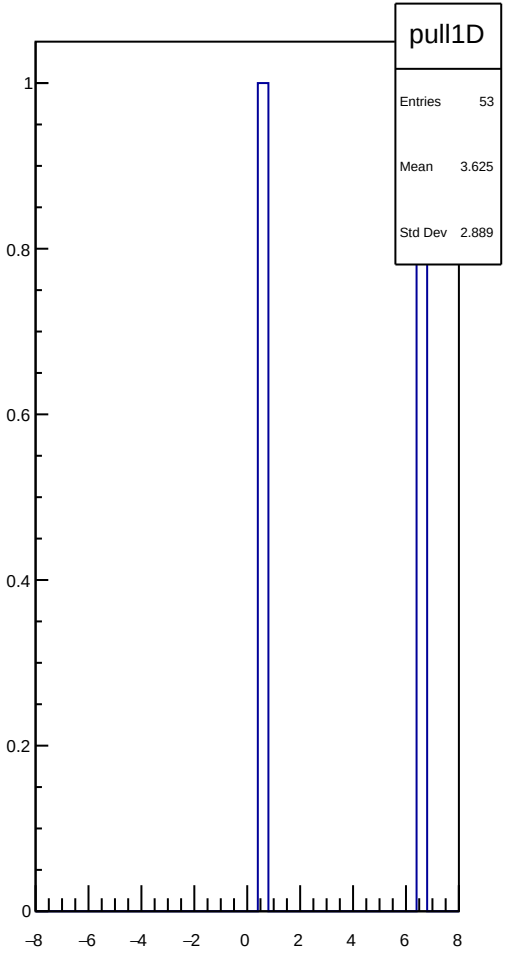

yield_dsl_rms vs run
χ² / ndf 6.636e+04 / 52
p0 0.1593 ± 0.0001585
0.4
0.35
0.3
0.25
0.2
0.15
0.1
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

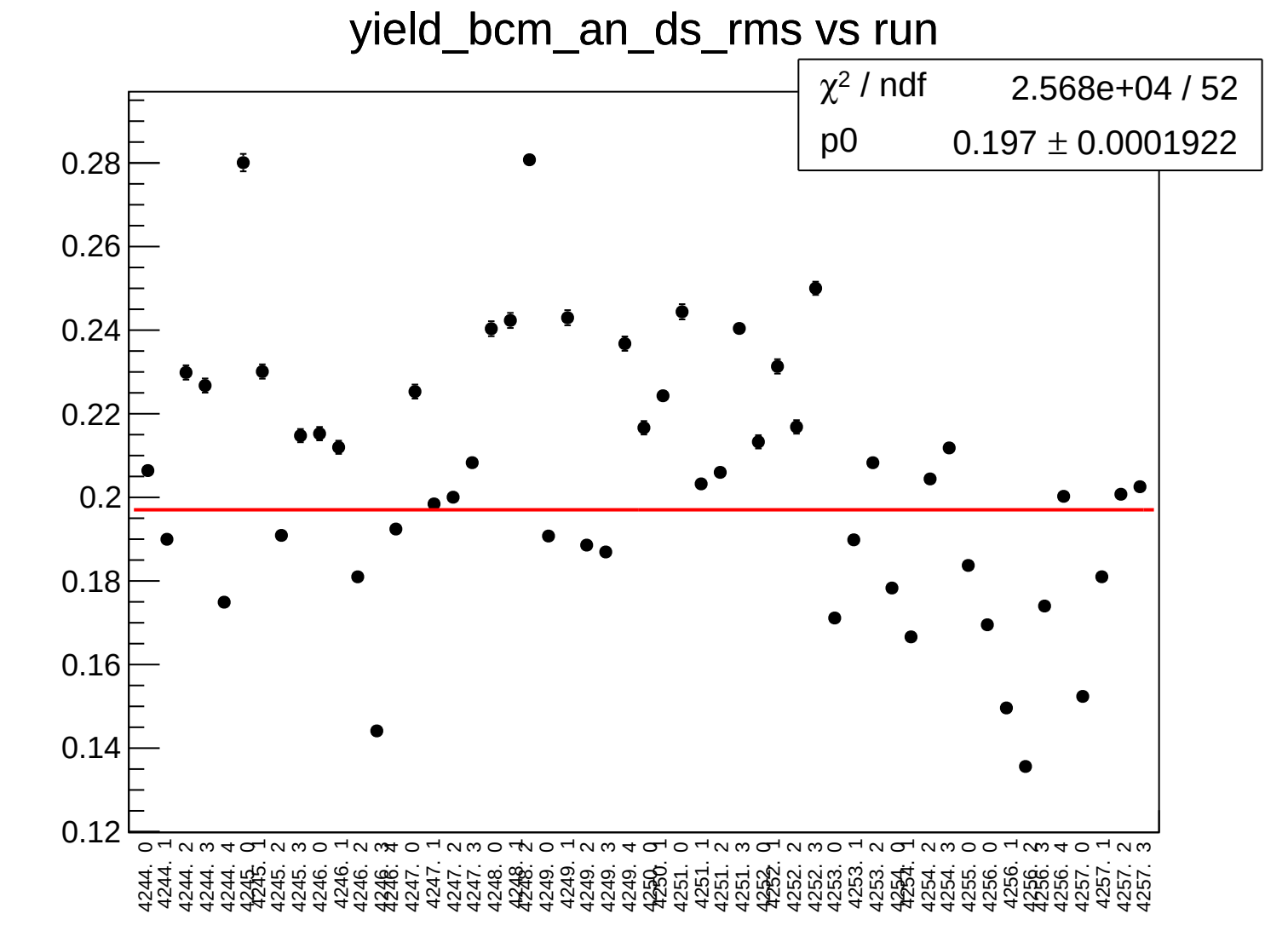

yield_dsr_mean vs run
χ² / ndf 7.408e+06 / 52
p0 59.63 ± 0.0001439
pull
Entries 53
Mean 440.2
Std Dev 411.9

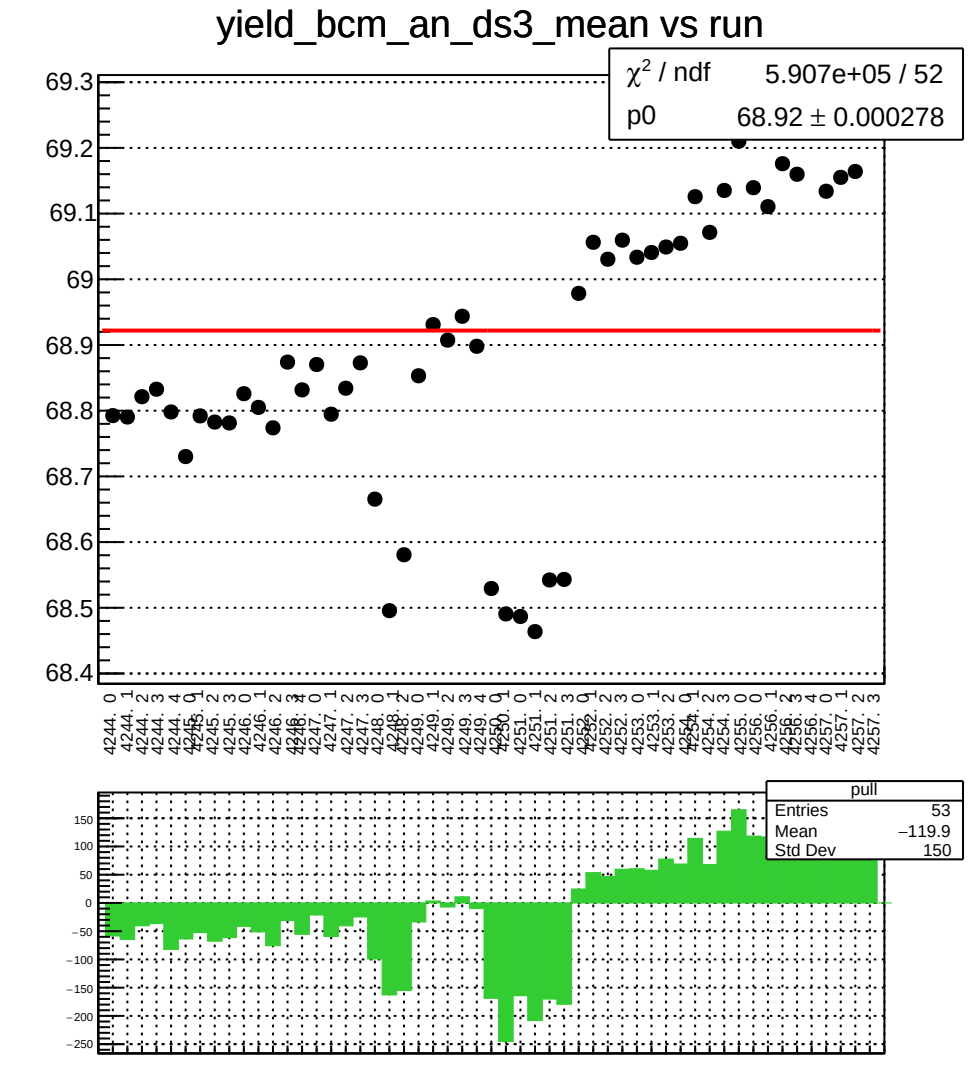

pull1D
Entries 53
Mean 0
Std Dev 0

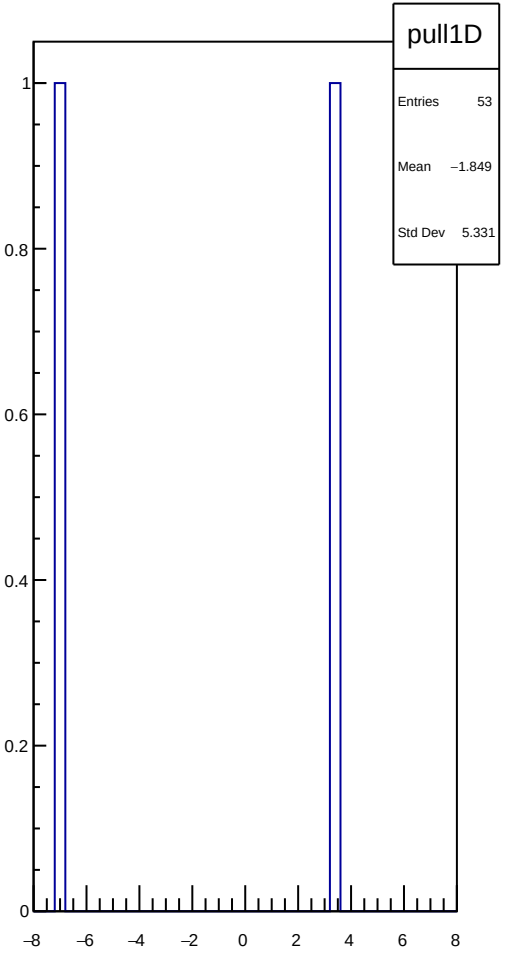

yield_dsr_rms vs run
χ² / ndf 1.169e+05 / 52
p0 0.09969 ± 0.0001018
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

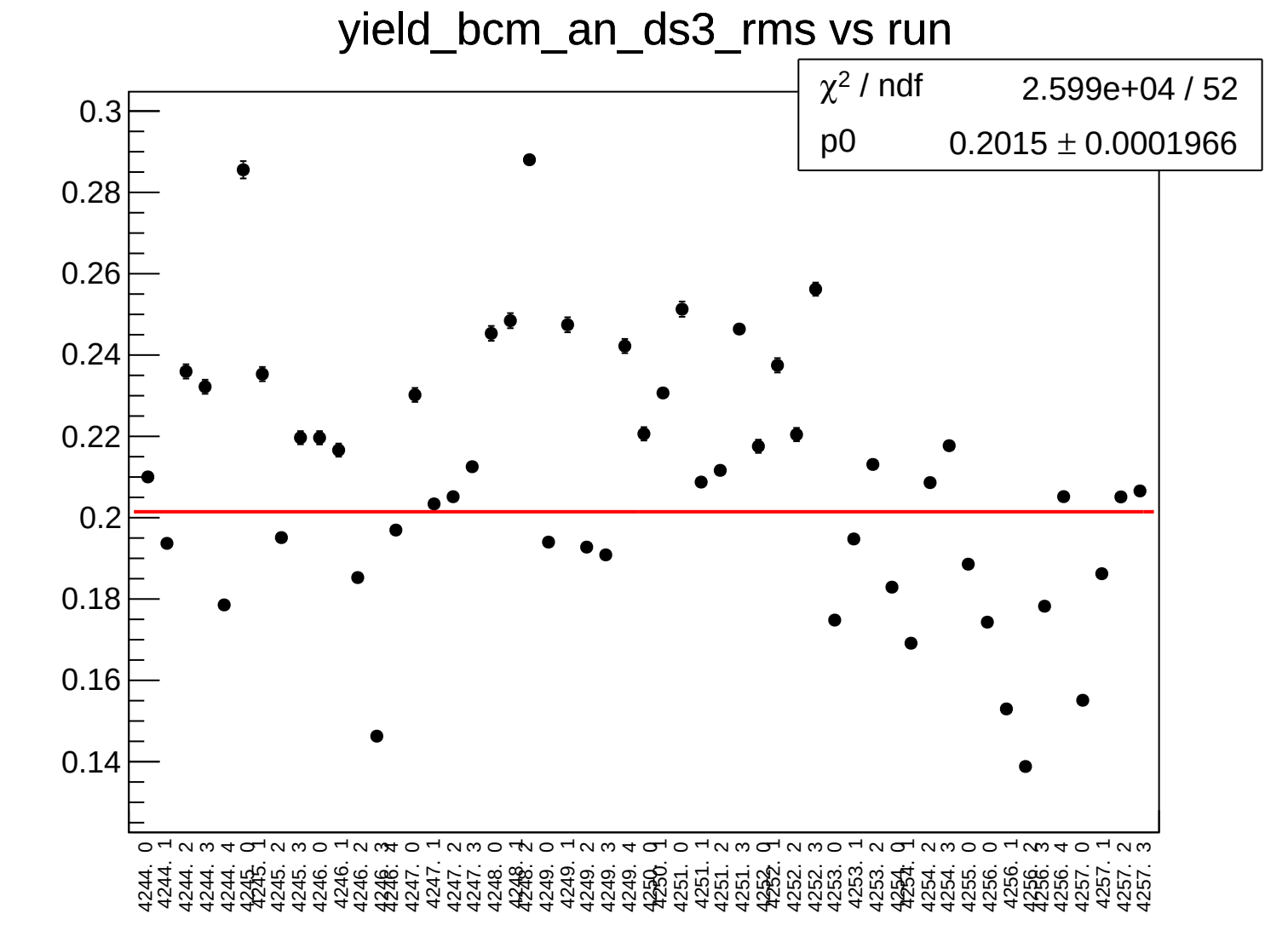

yield_bcm_an_ds_mean vs run
χ² / ndf 5.977e+05 / 52
p0 68.36 ± 0.0002718
68.7
68.6
68.5
68.4
68.3
68.2
68.1
68
67.9
pull
Entries 53
Mean −120.2
Std Dev 150.3
150
100
50
0
−50
−100
−150
−200
−250

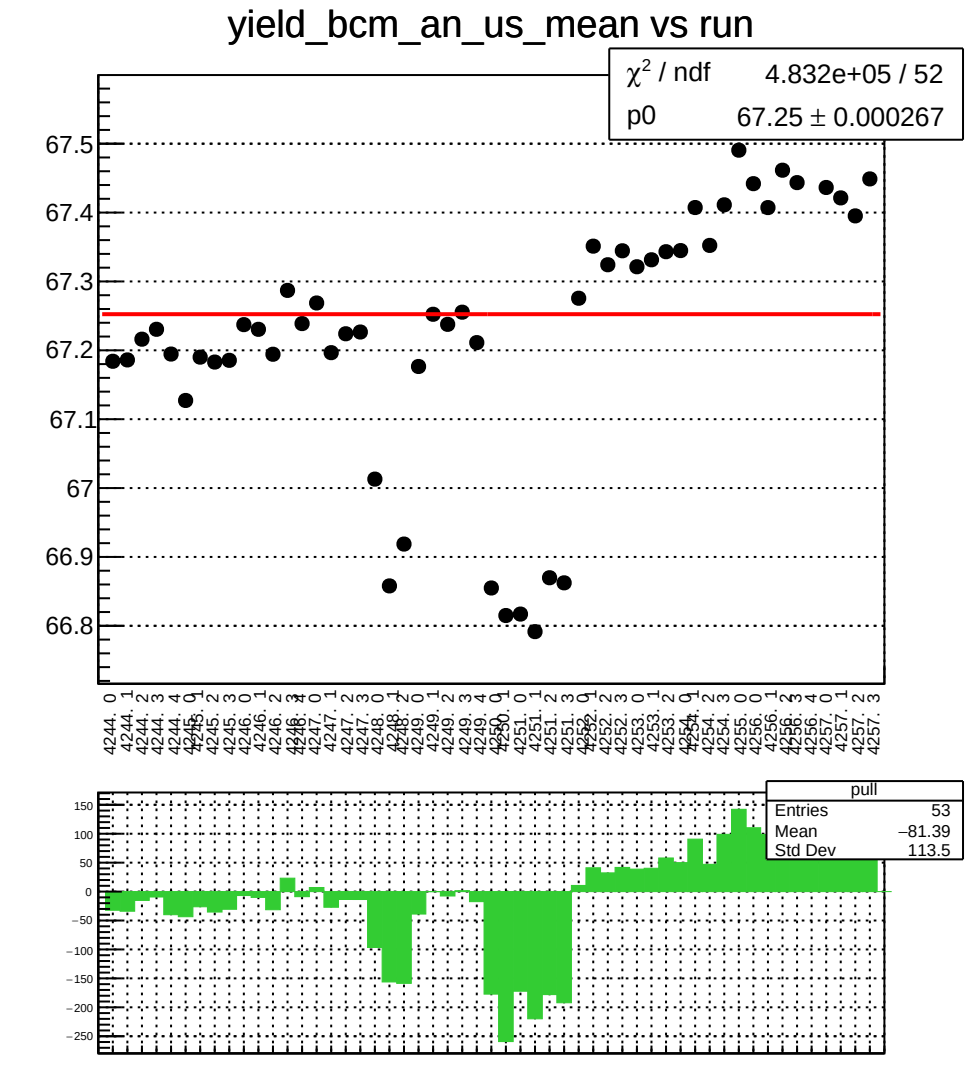

pull1D
Entries 53
Mean 3.625
Std Dev 2.889
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

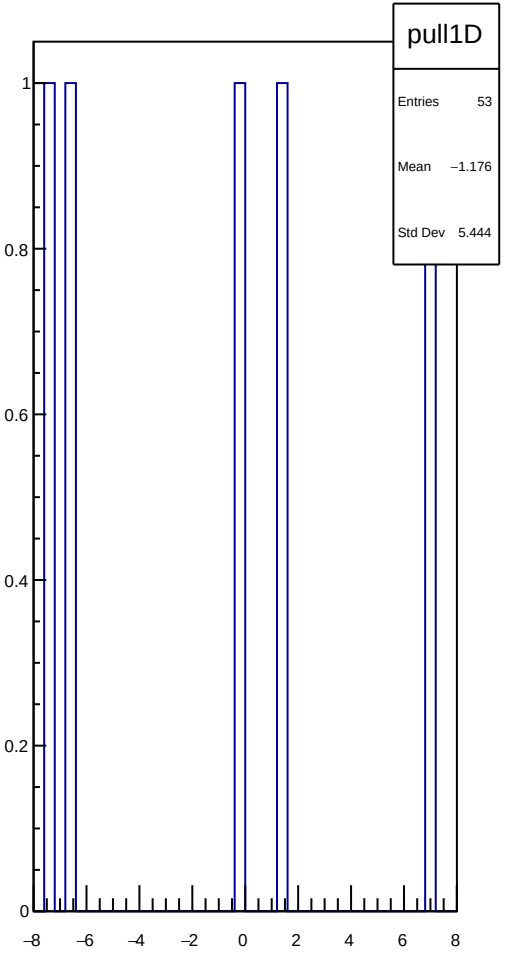

yield_bcm_an_ds_rms vs run
χ² / ndf 2.568e+04 / 52
p0 0.197 ± 0.0001922
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

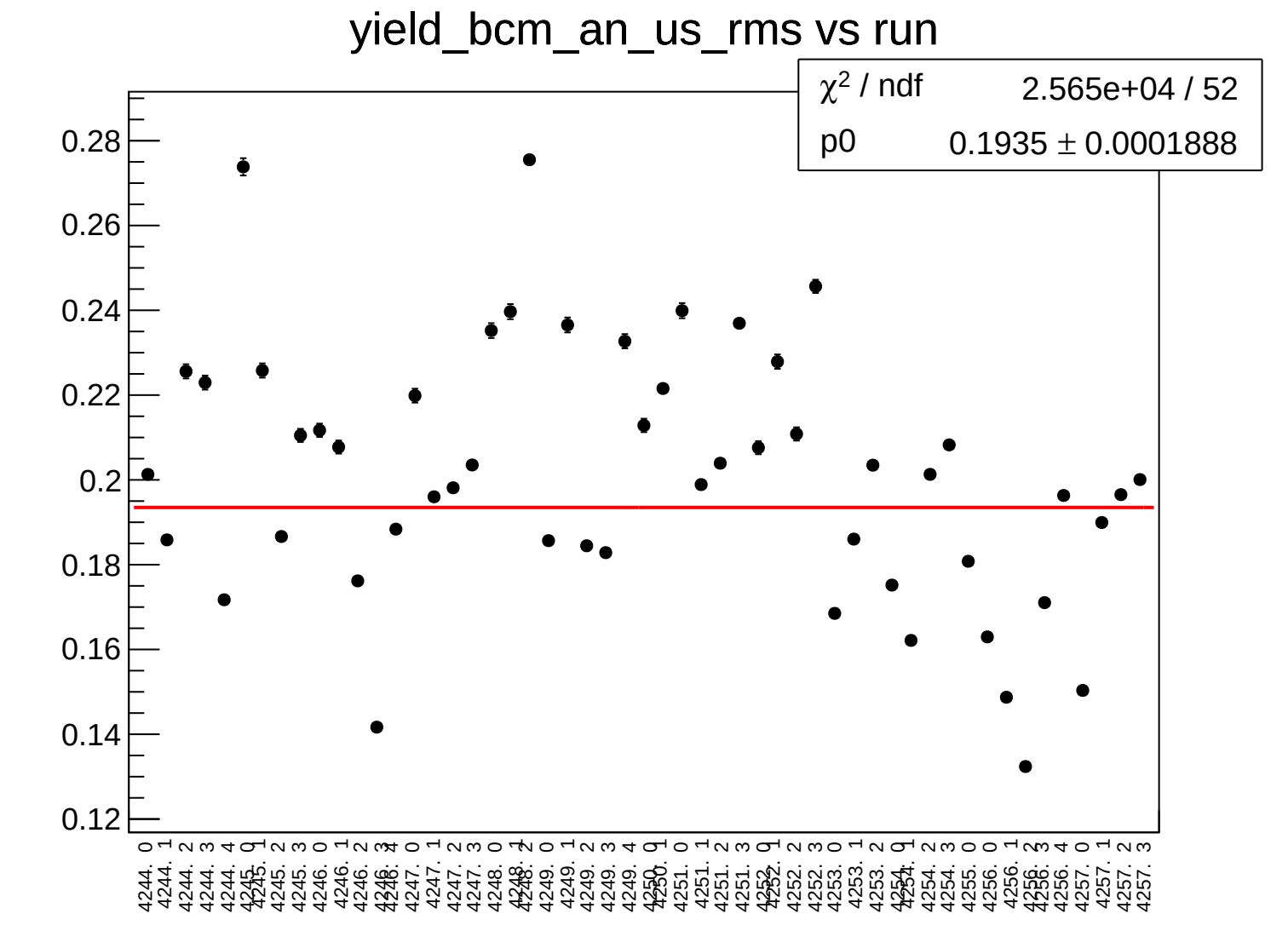

yield_bcm_an_ds3_mean vs run
χ² / ndf 5.907e+05 / 52
p0 68.92 ± 0.000278
pull
Entries 53
Mean −119.9
Std Dev 150

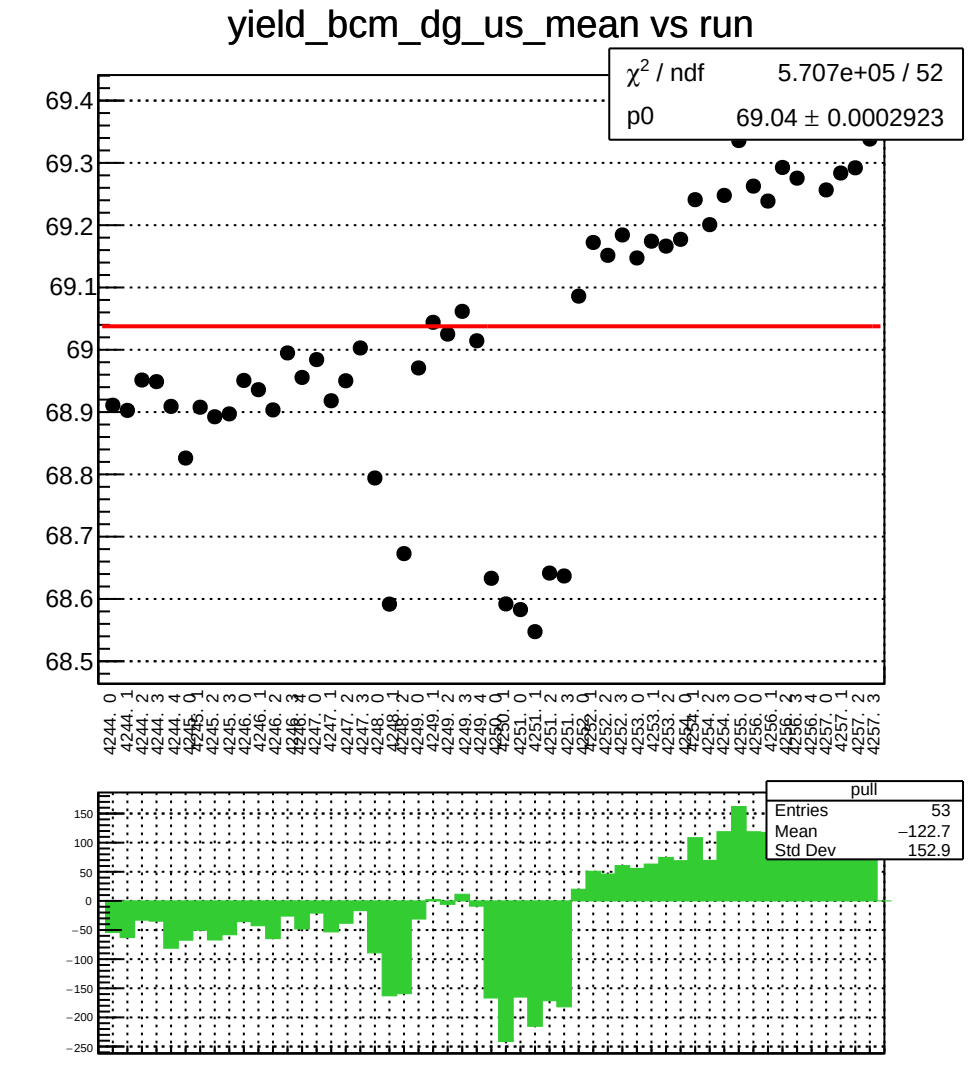

pull1D
Entries 53
Mean −1.849
Std Dev 5.331

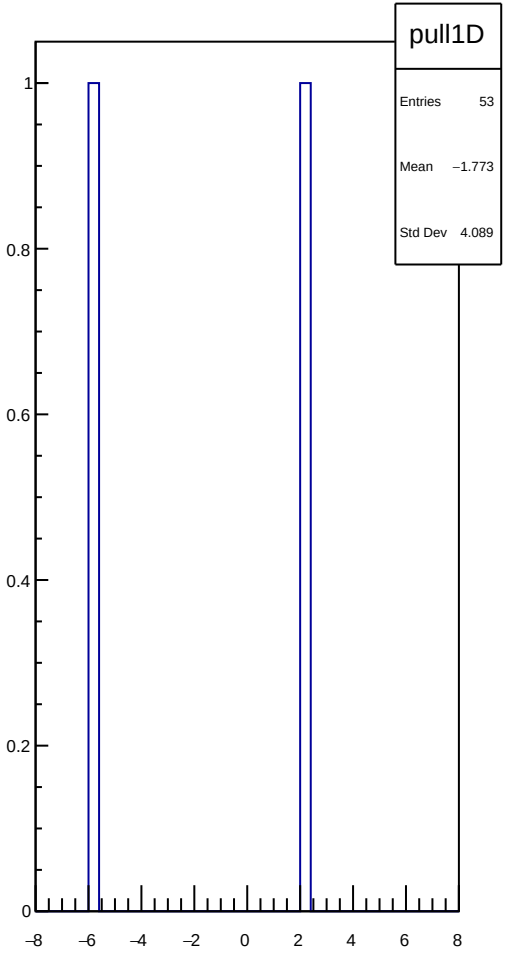

yield_bcm_an_ds3_rms vs run
χ² / ndf 2.599e+04 / 52
p0 0.2015 ± 0.0001966
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

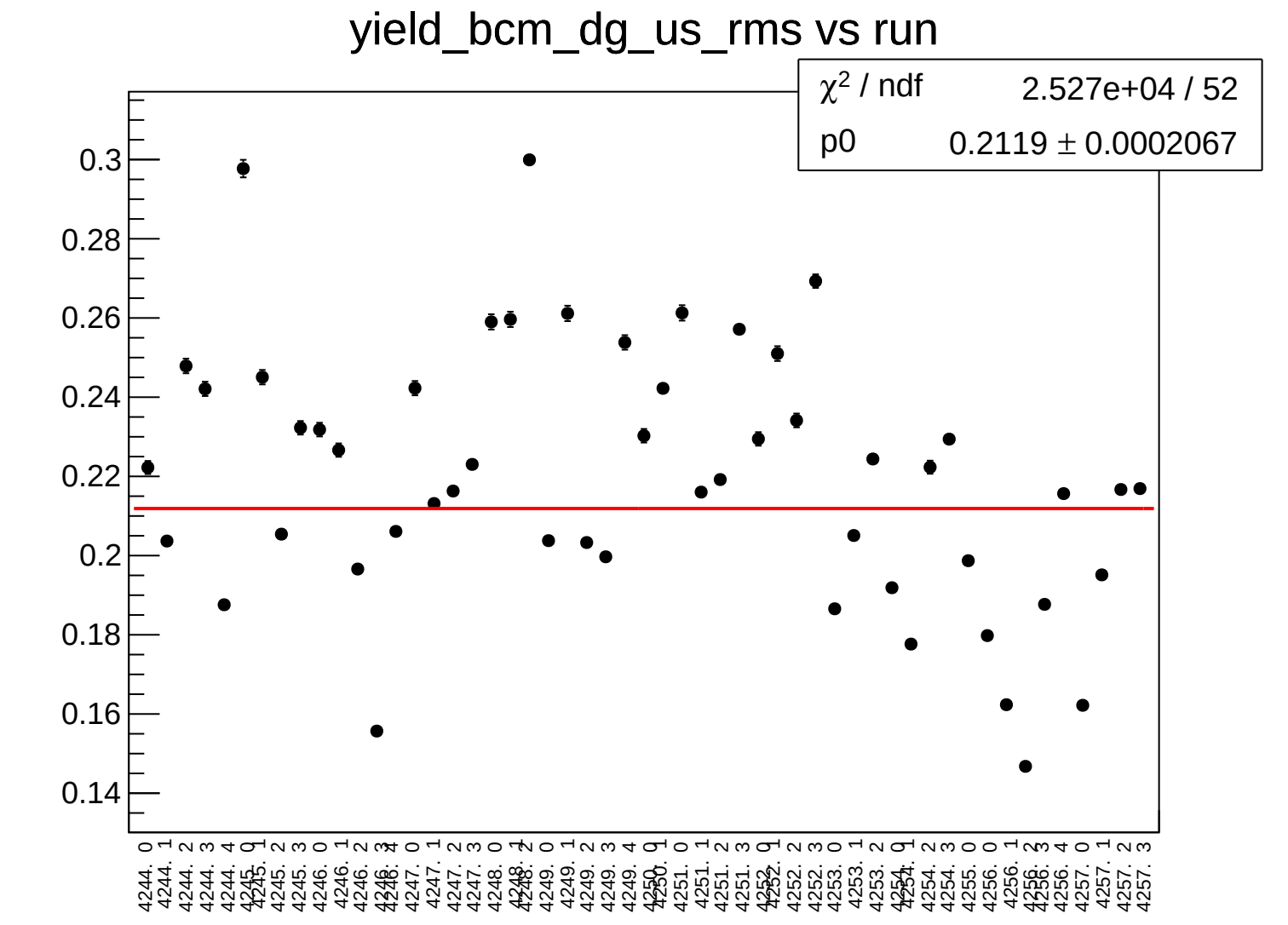

yield_bcm_an_us_mean vs run
χ² / ndf 4.832e+05 / 52
p0 67.25 ± 0.000267
67.5
67.4
67.3
67.2
67.1
67
66.9
66.8
pull
Entries 53
Mean −81.39
Std Dev 113.5
150
100
50
0
−50
−100
−150
−200
−250

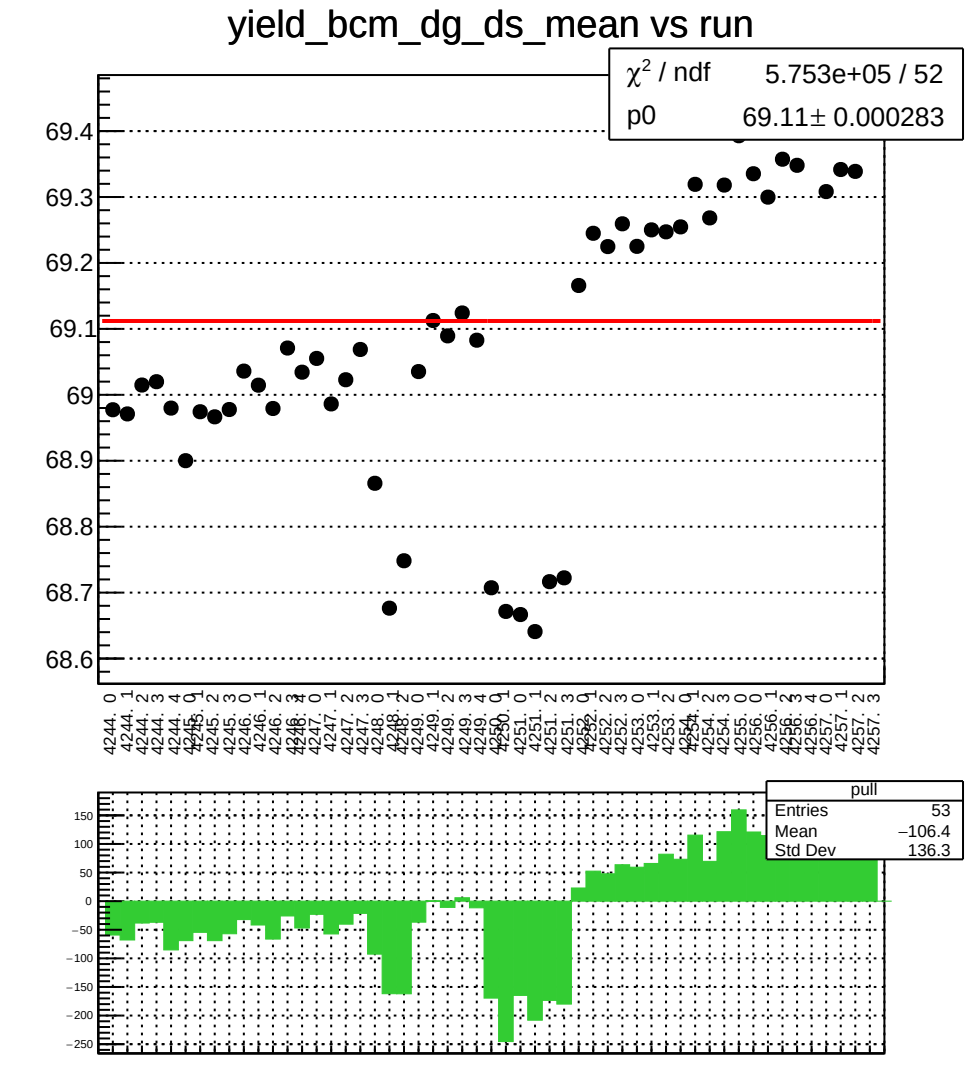

pull1D
Entries 53
Mean −1.176
Std Dev 5.444
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

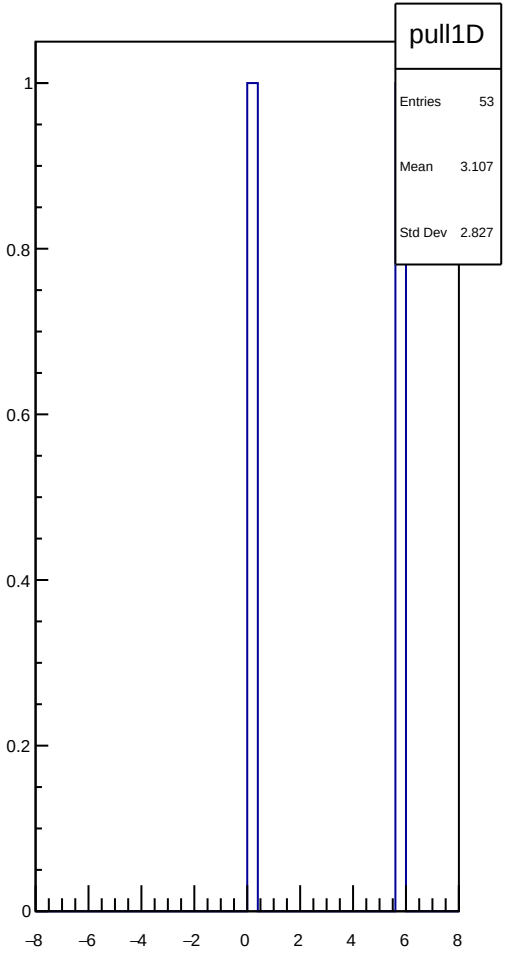

yield_bcm_an_us_rms vs run
χ² / ndf 2.565e+04 / 52
p0 0.1935 ± 0.0001888
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

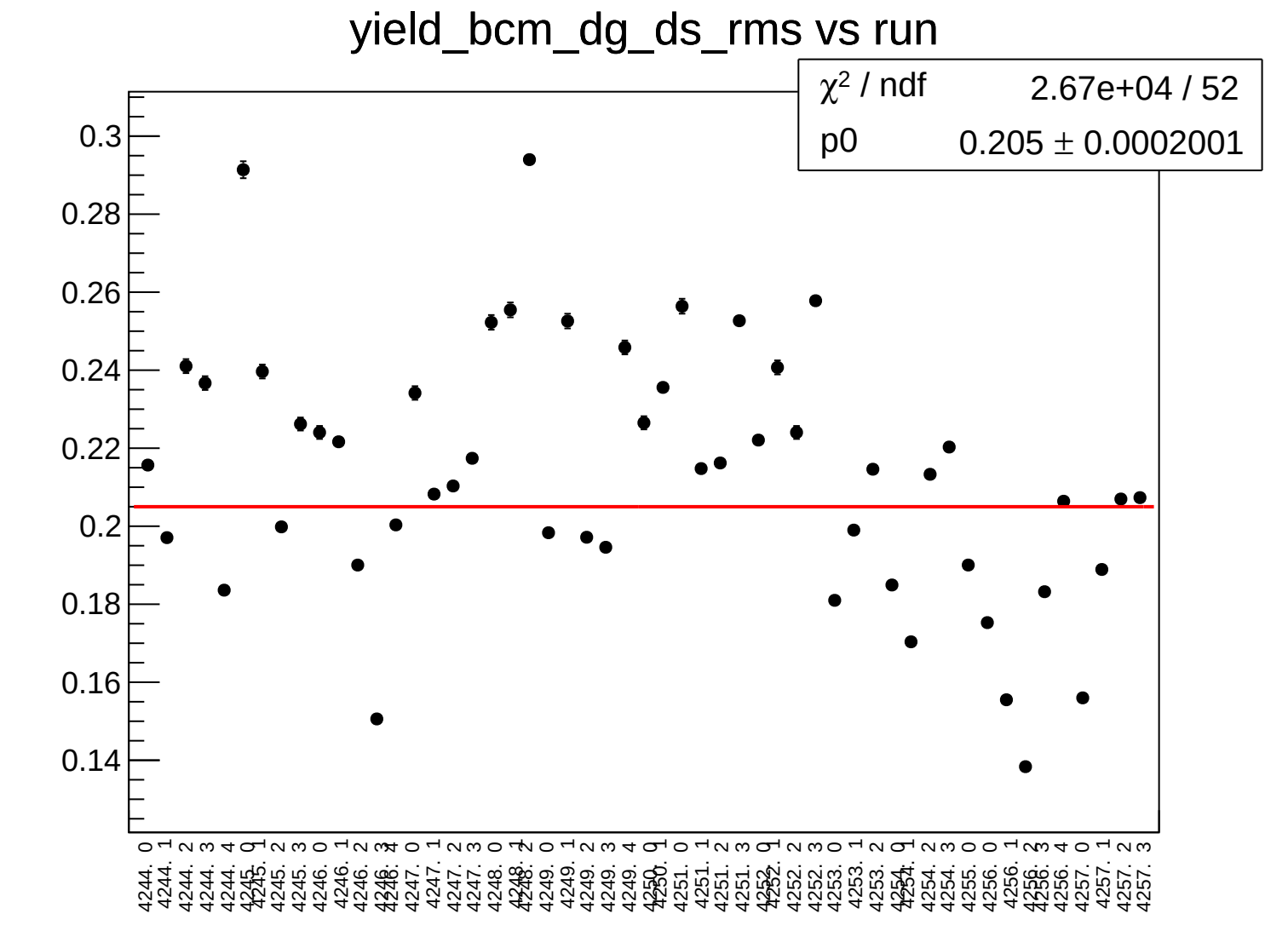

yield_bcm_dg_us_mean vs run
χ² / ndf 5.707e+05 / 52
p0 69.04 ± 0.0002923
pull
Entries 53
Mean −122.7
Std Dev 152.9

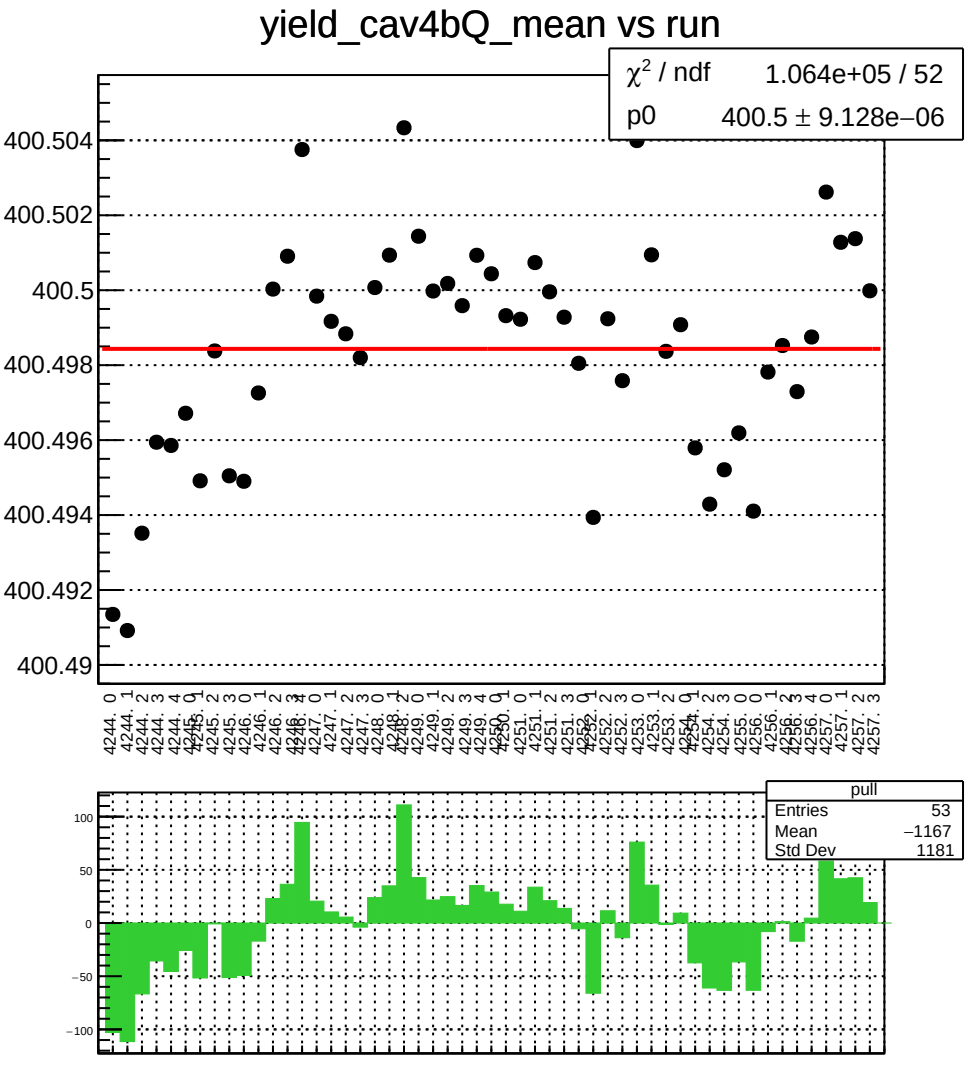

pull1D
Entries 53
Mean −1.773
Std Dev 4.089

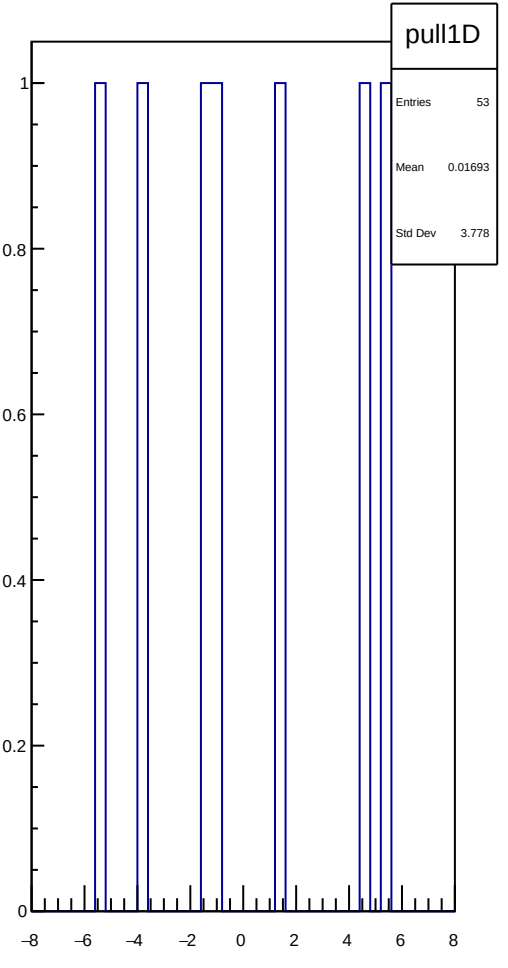

yield_bcm_dg_us_rms vs run
χ² / ndf 2.527e+04 / 52
p0 0.2119 ± 0.0002067
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

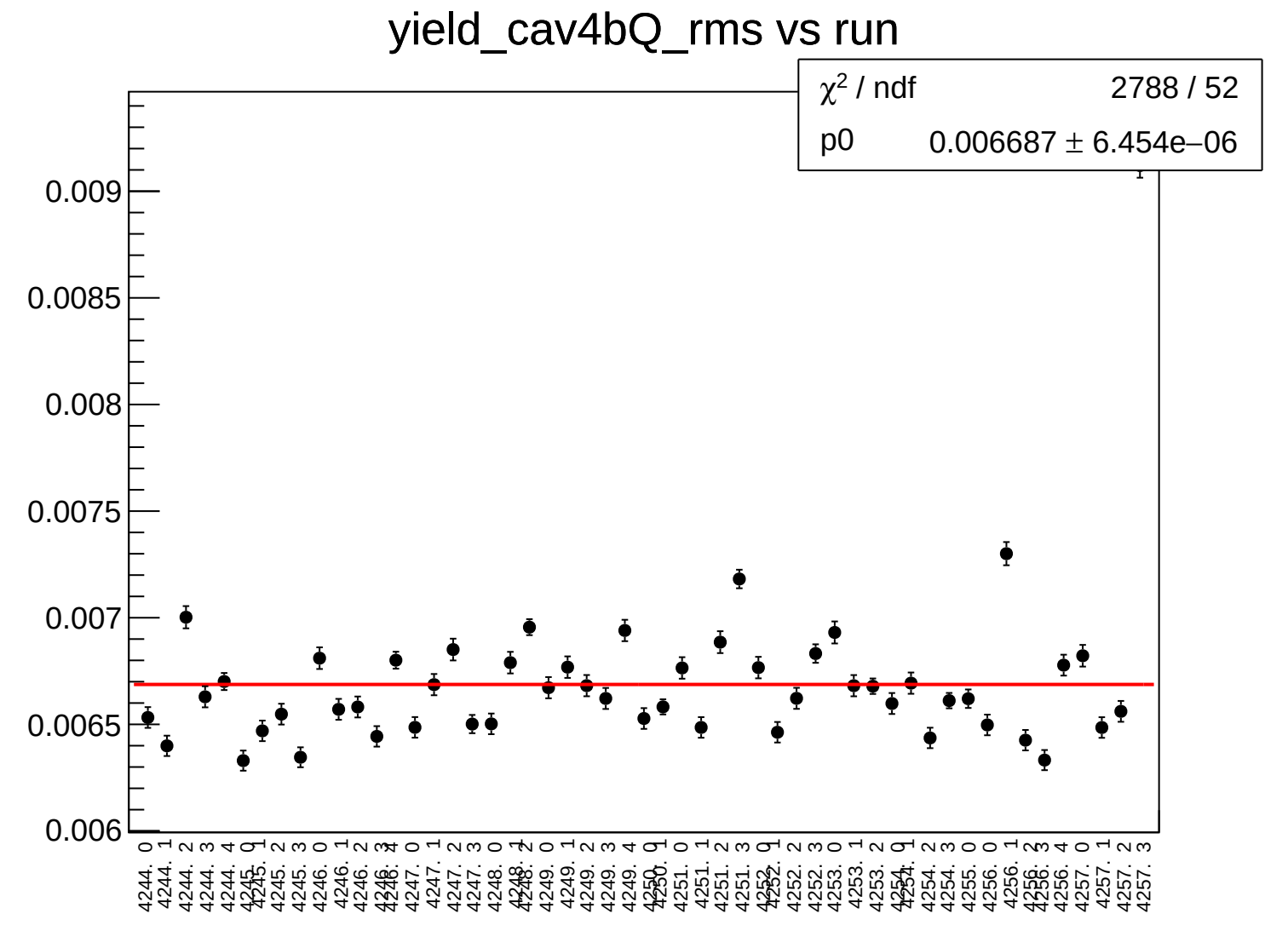

yield_bcm_dg_ds_mean vs run
χ² / ndf 5.753e+05 / 52
p0 69.11± 0.000283
pull
Entries 53
Mean −106.4
Std Dev 136.3

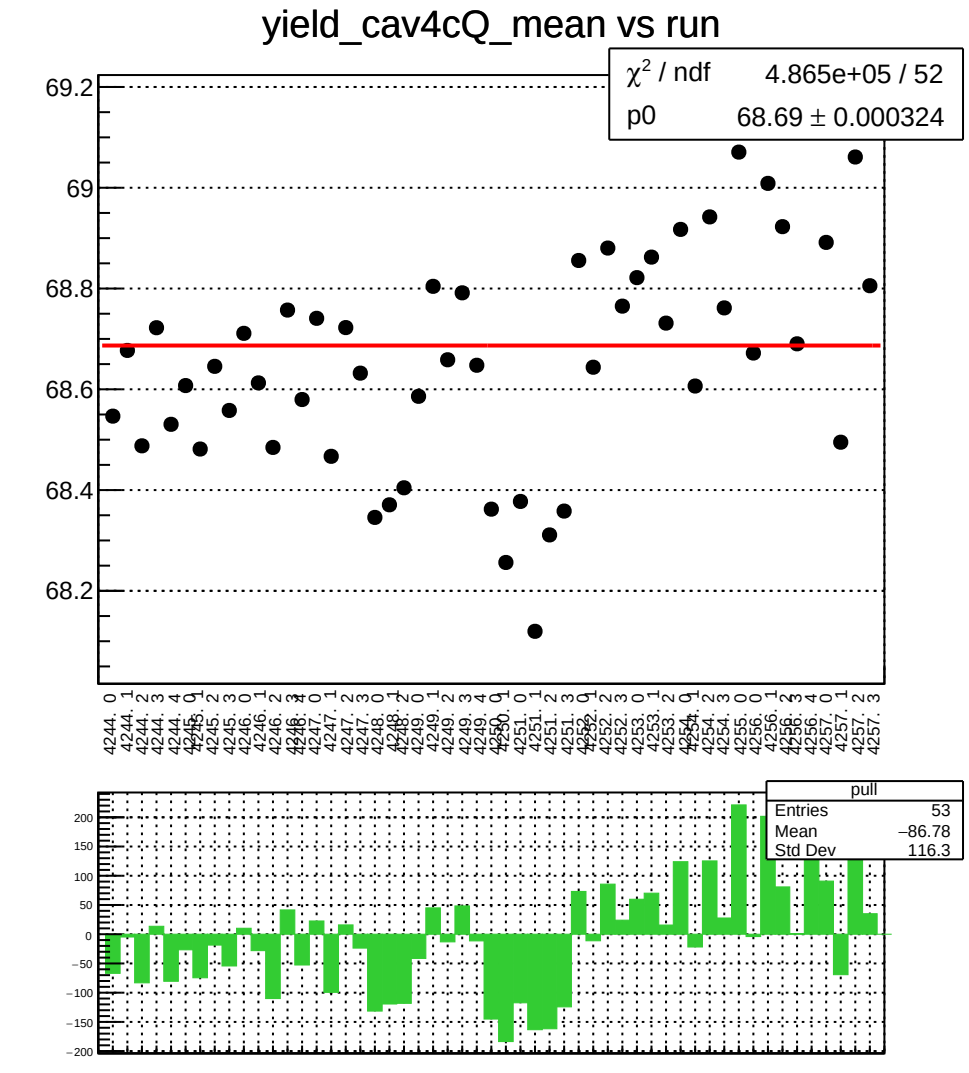

pull1D
Entries 53
Mean 3.107
Std Dev 2.827

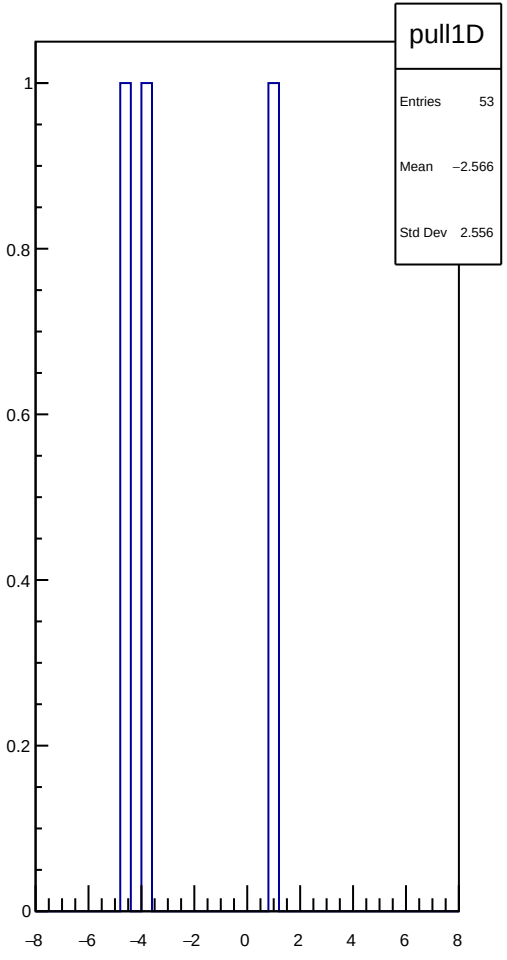

yield_bcm_dg_ds_rms vs run
χ² / ndf 2.67e+04 / 52
p0 0.205 ± 0.0002001
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

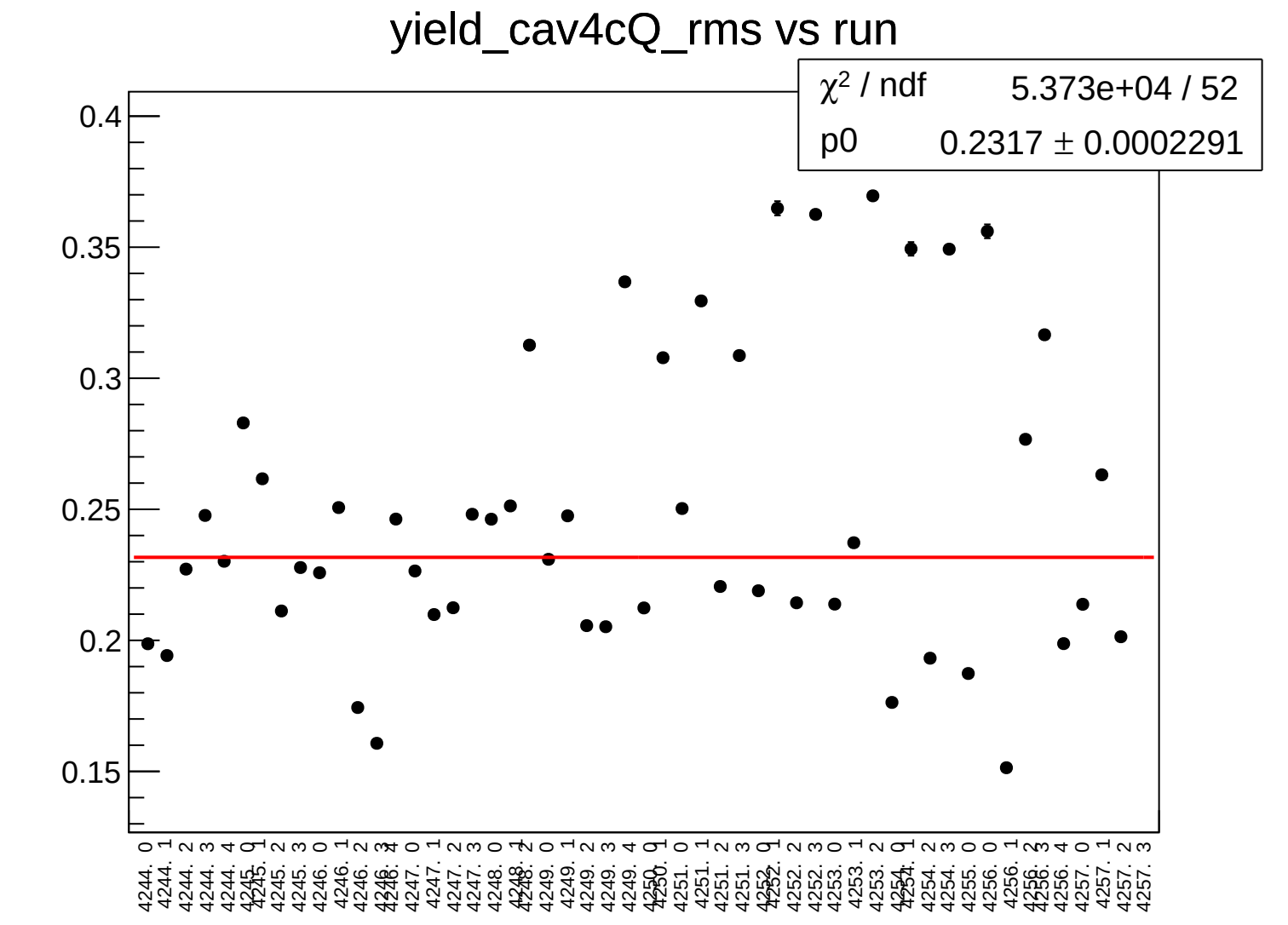

yield_cav4bQ_mean vs run
χ² / ndf 1.064e+05 / 52
p0 400.5 ± 9.128e−06
400.504
400.502
400.5
400.498
400.496
400.494
400.492
400.49
pull
Entries 53
Mean −1167
Std Dev 1181
100
50
0
−50
−100

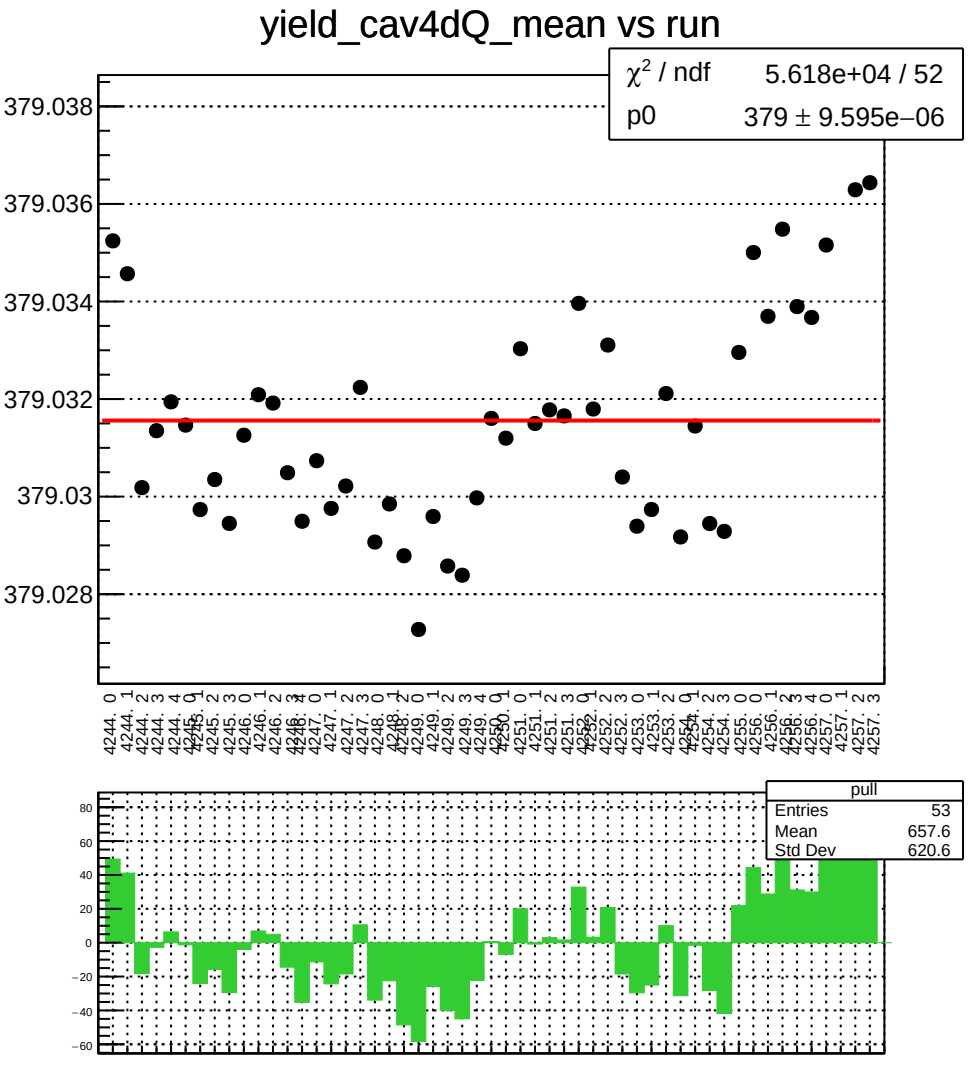

pull1D
Entries 53
Mean 0.01693
Std Dev 3.778
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

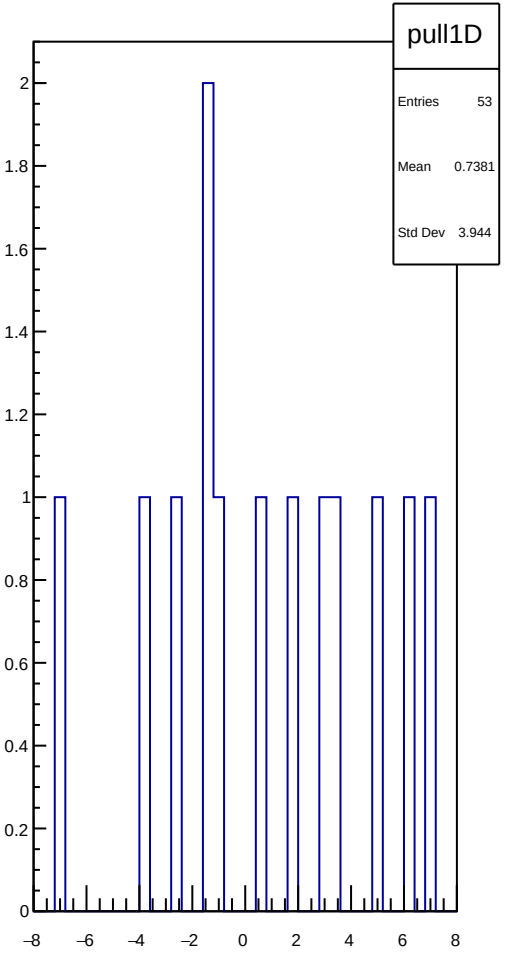

yield_cav4bQ_rms vs run
χ² / ndf 2788 / 52
p0 0.006687 ± 6.454e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

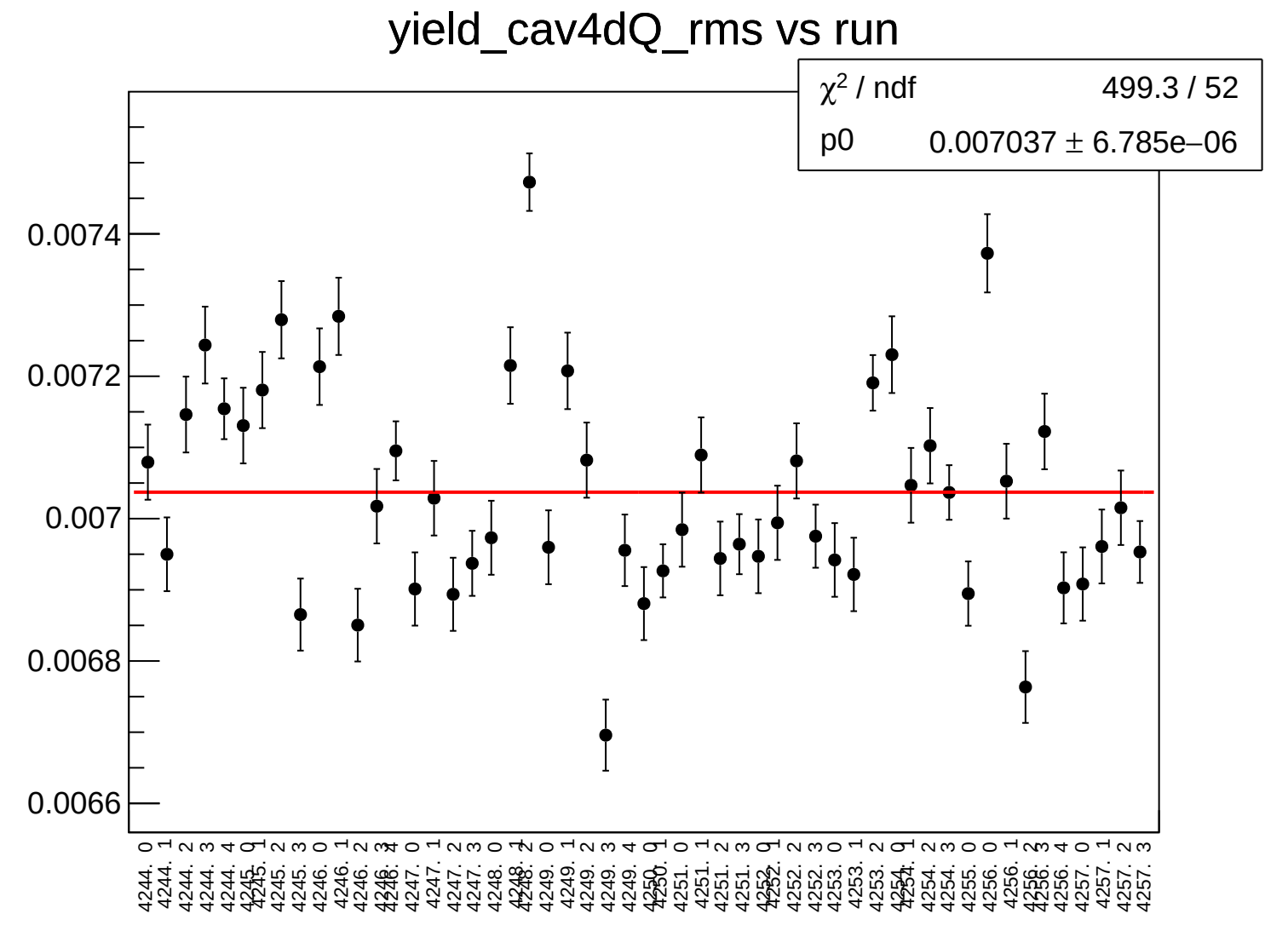

yield_cav4cQ_mean vs run
χ² / ndf 4.865e+05 / 52
p0 68.69 ± 0.000324
69.2
69
68.8
68.6
68.4
68.2
pull
Entries 53
Mean −86.78
Std Dev 116.3
200
150
100
50
0
−50
−100
−150
−200

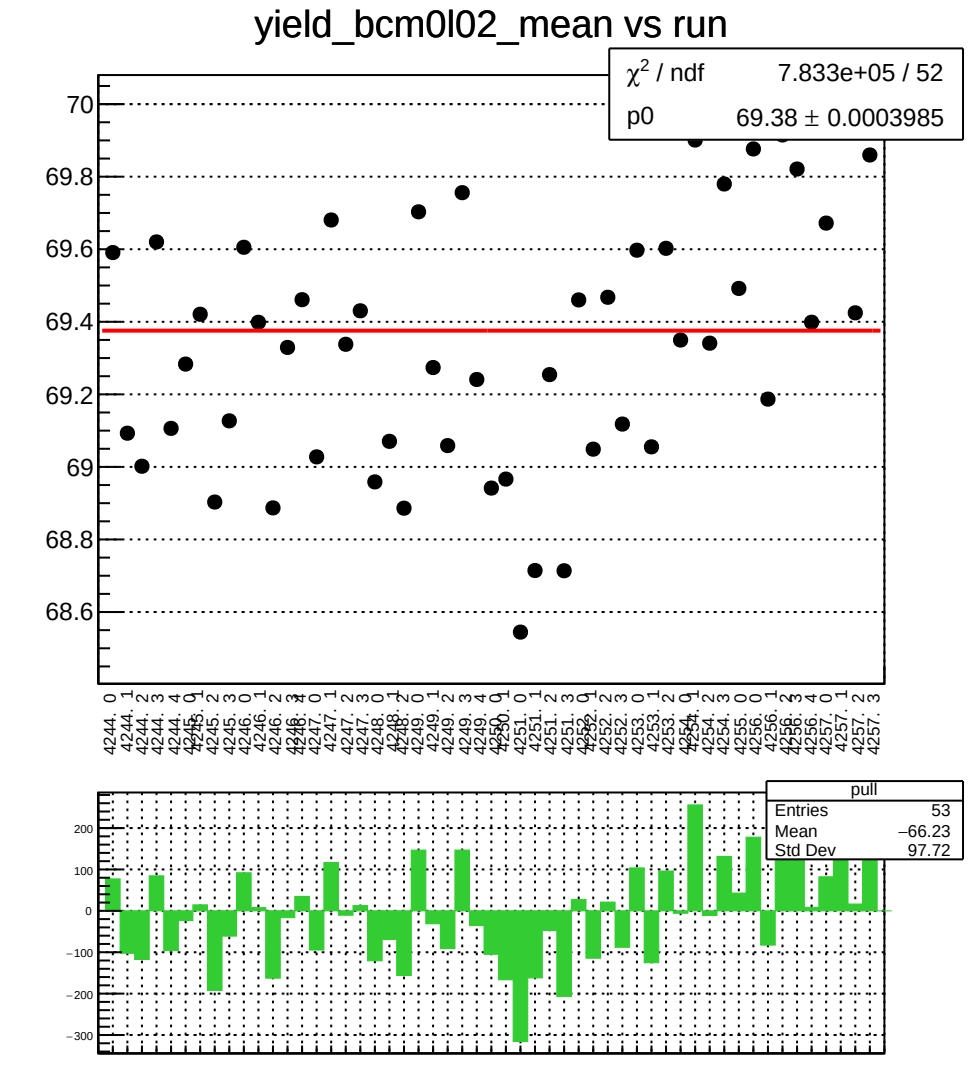

pull1D
Entries 53
Mean −2.566
Std Dev 2.556
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

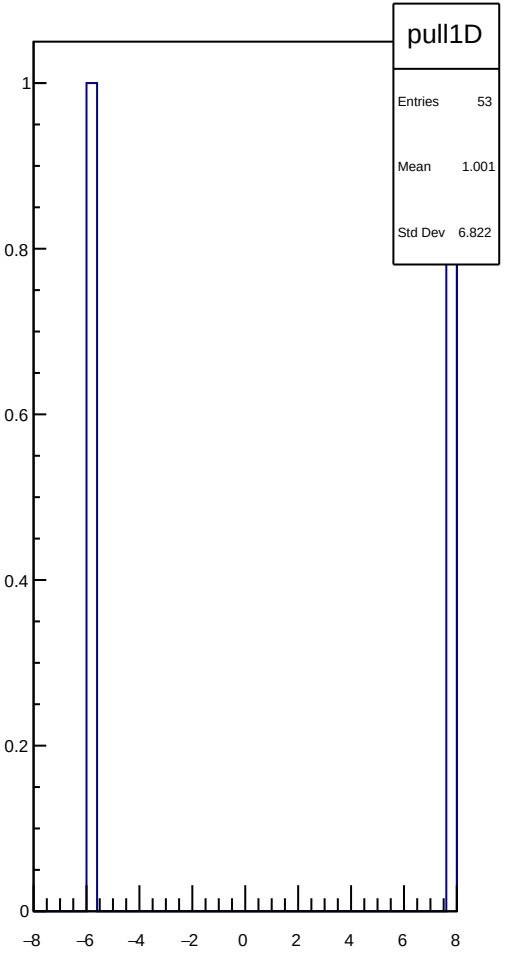

yield_cav4cQ_rms vs run
χ² / ndf 5.373e+04 / 52
p0 0.2317 ± 0.0002291
0.4
0.35
0.3
0.25
0.2
0.15

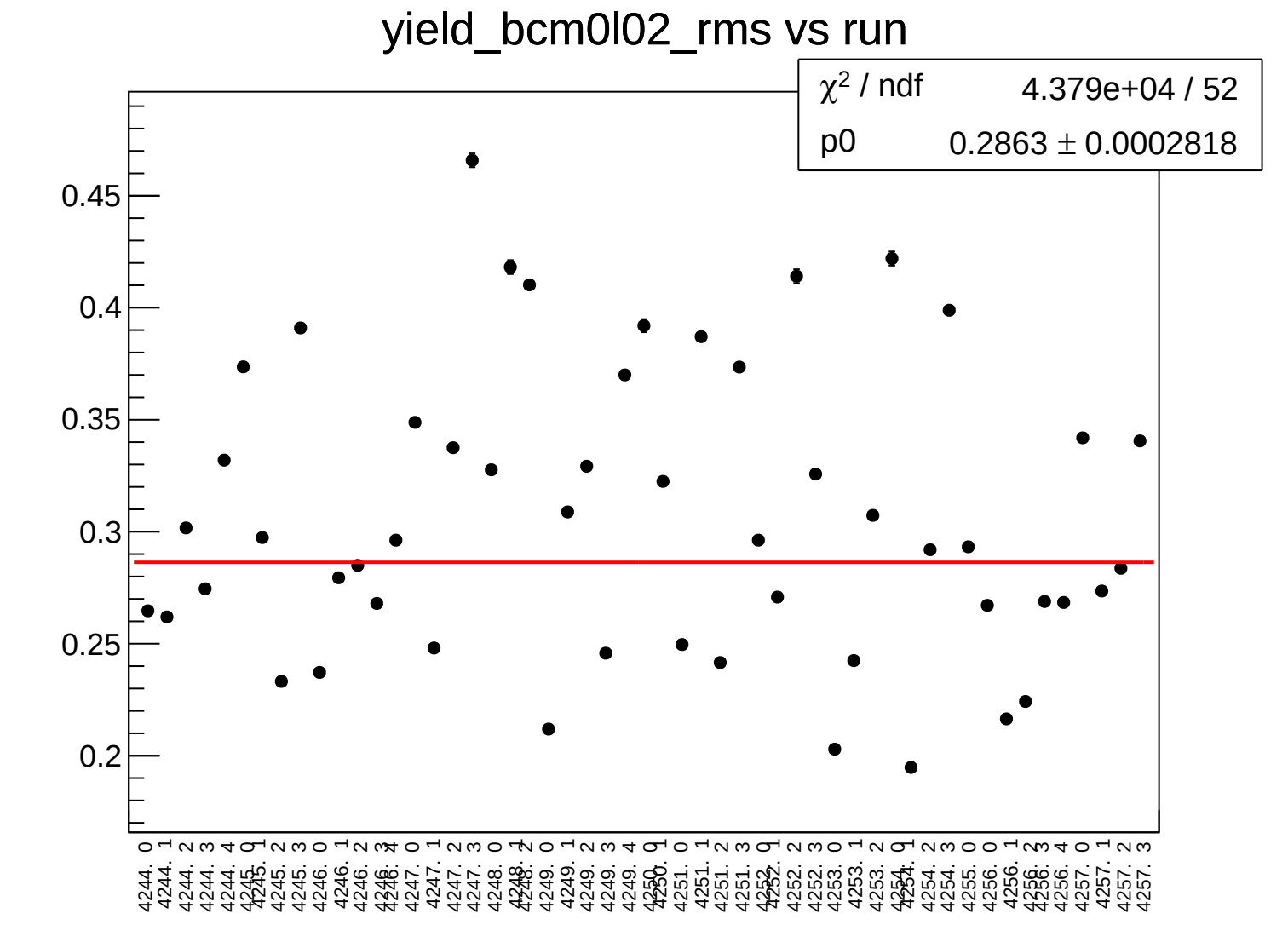

yield_cav4dQ_mean vs run
χ² / ndf 5.618e+04 / 52
p0 379 ± 9.595e−06
379.038
379.036
379.034
379.032
379.03
379.028
pull
Entries 53
Mean 657.6
Std Dev 620.6
80
60
40
20
0
−20
−40
−60

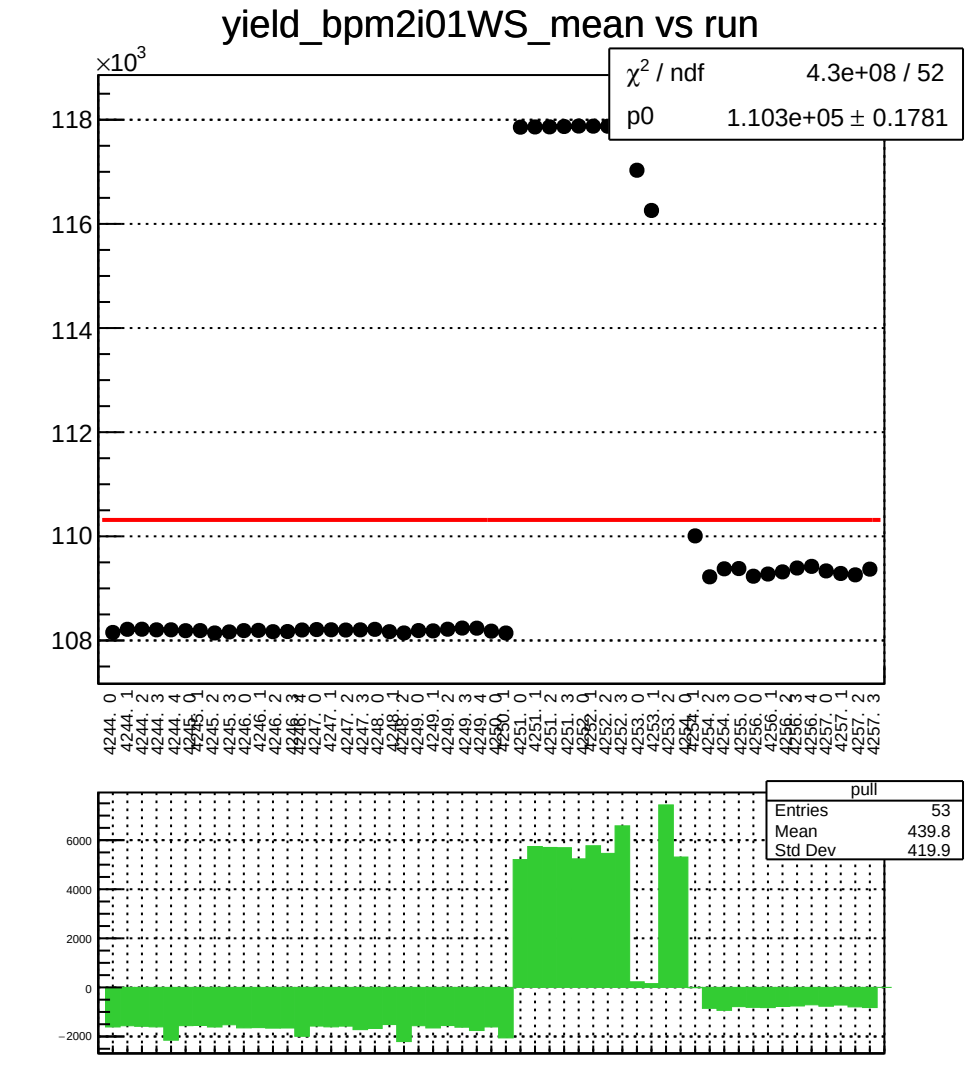

pull1D
Entries 53
Mean 0.7381
Std Dev 3.944
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

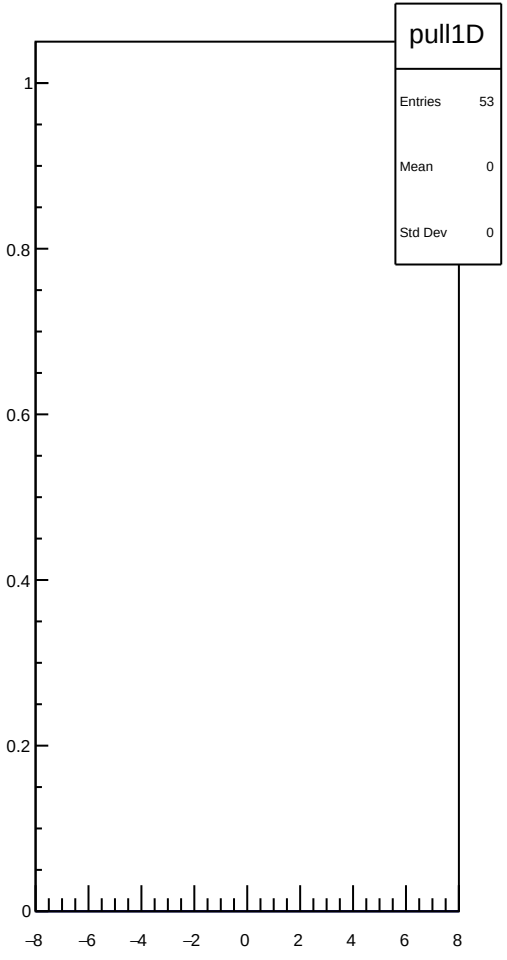

yield_cav4dQ_rms vs run
χ² / ndf 499.3 / 52
p0 0.007037 ± 6.785e−06
0.0074
0.0072
0.007
0.0068
0.0066

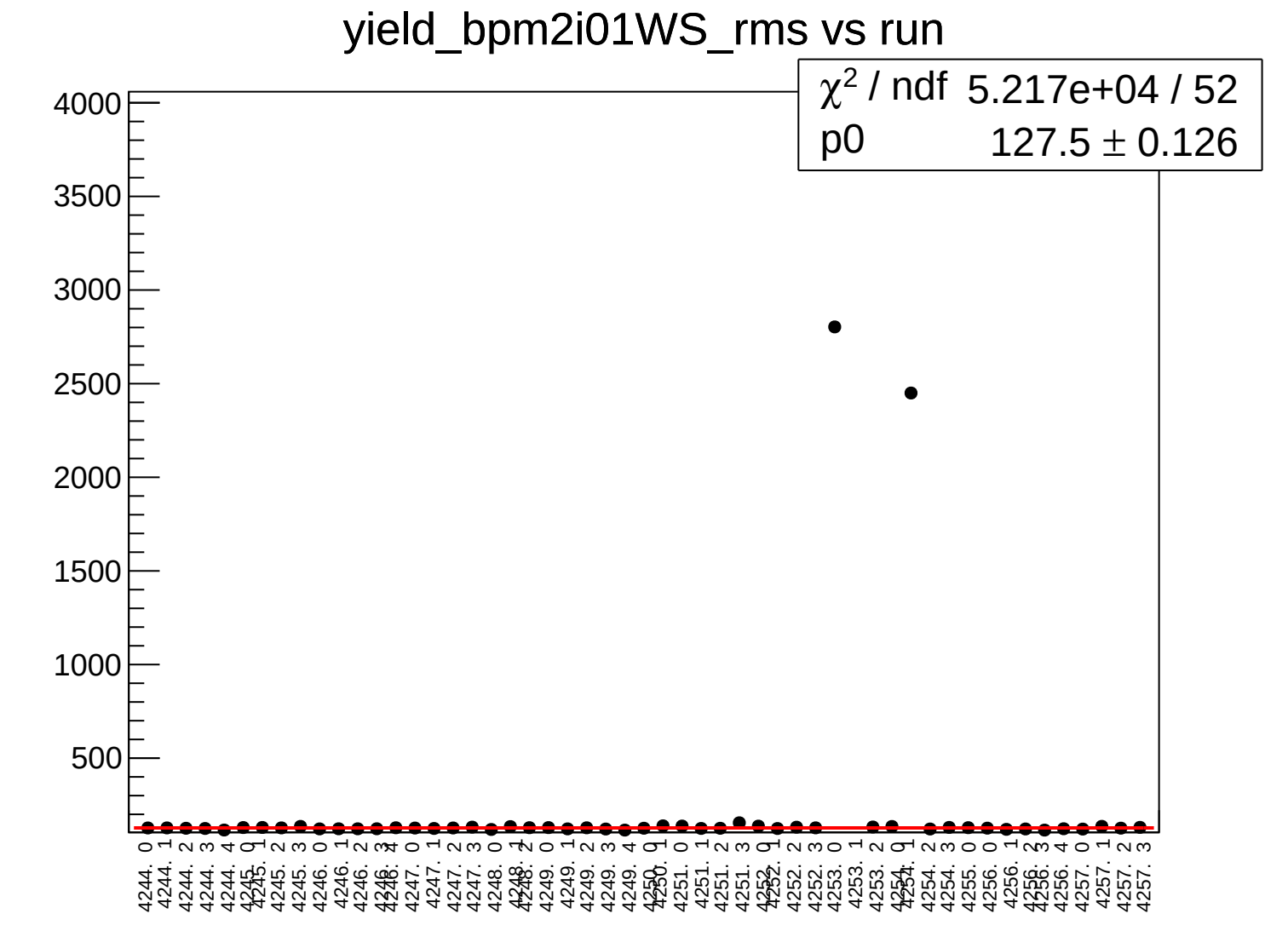

yield_bcm0l02_mean vs run
χ² / ndf 7.833e+05 / 52
p0 69.38 ± 0.0003985
70
69.8
69.6
69.4
69.2
69
68.8
68.6
pull
Entries 53
Mean −66.23
Std Dev 97.72
200
100
0
−100
−200
−300

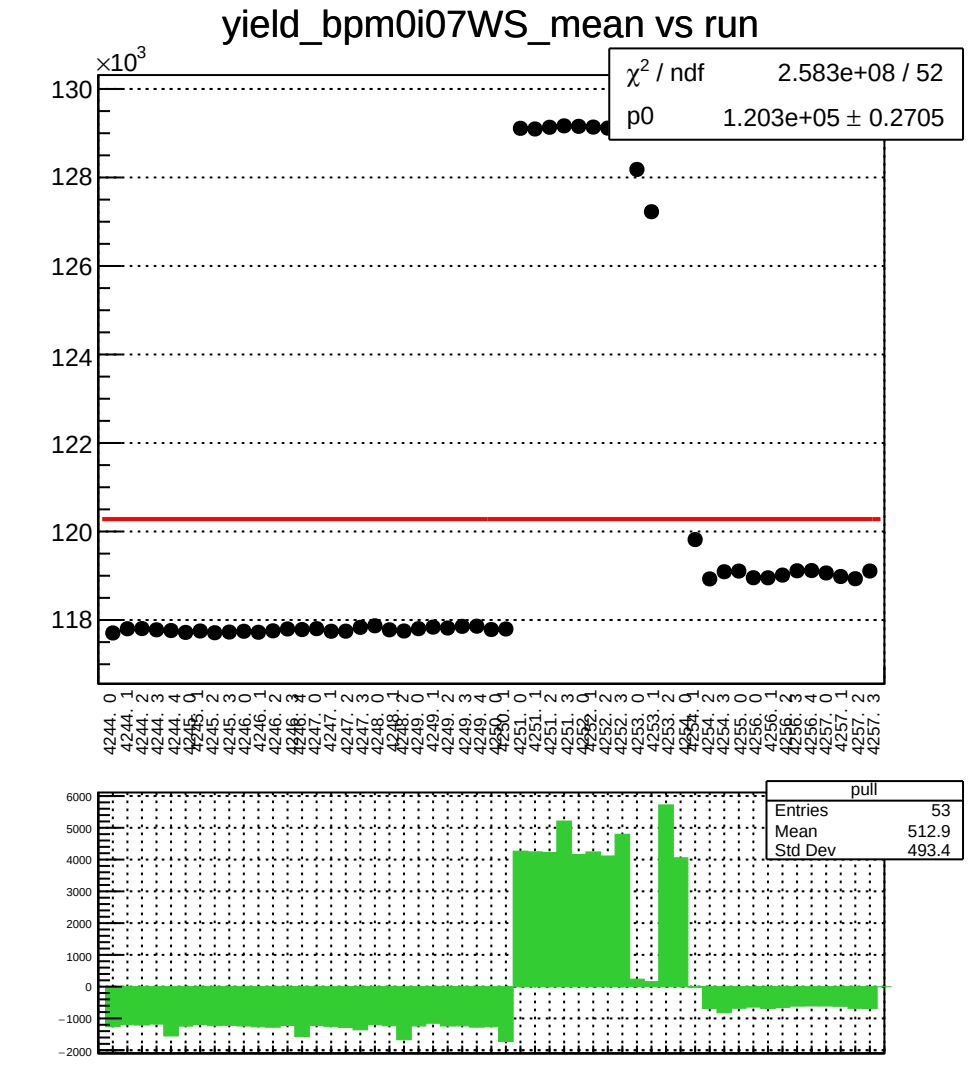

pull1D
Entries 53
Mean 1.001
Std Dev 6.822
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

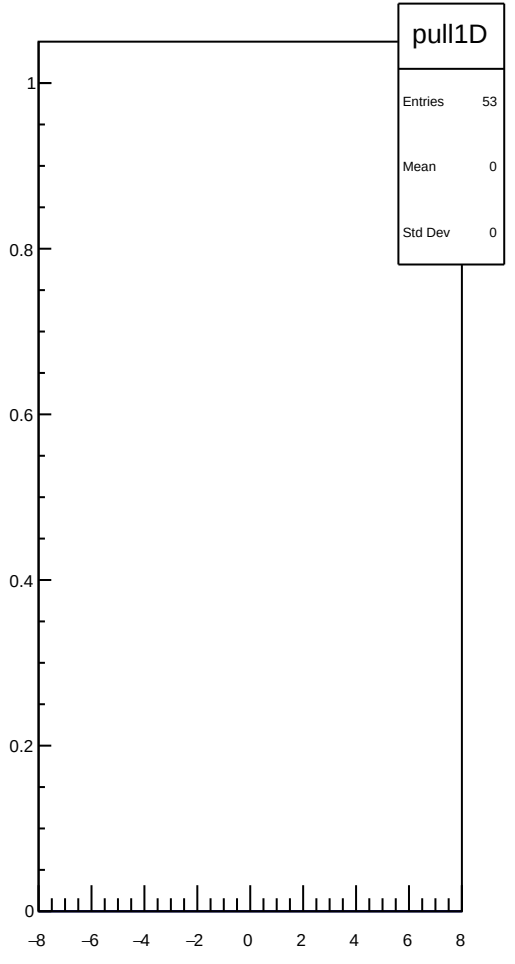

yield_bcm0l02_rms vs run
χ² / ndf 4.379e+04 / 52
p0 0.2863 ± 0.0002818
0.45
0.4
0.35
0.3
0.25
0.2
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

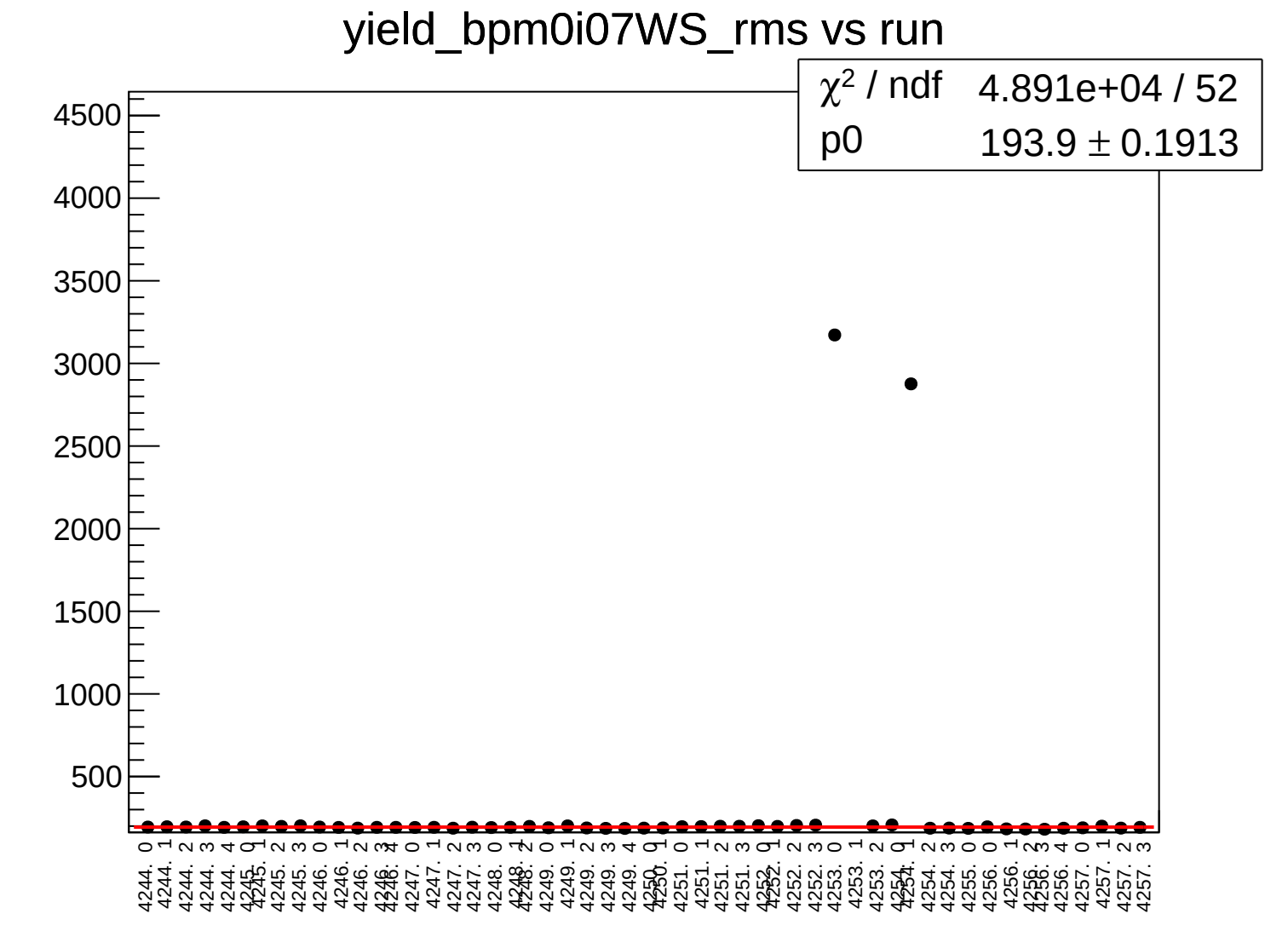

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 4.3e+08 / 52
p0 1.103e+05 ± 0.1781
118
116
114
112
110
108
pull
Entries 53
Mean 439.8
Std Dev 419.9
6000
4000
2000
0
−2000

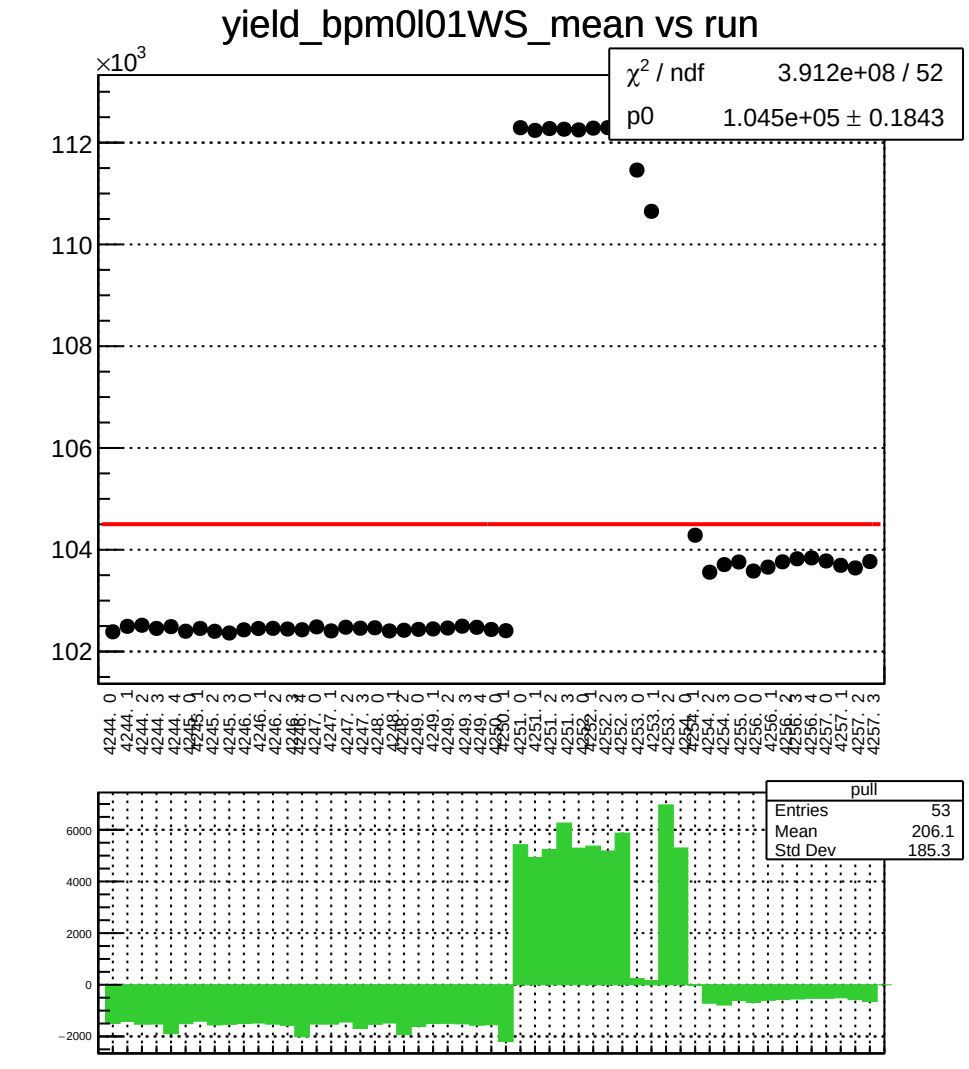

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

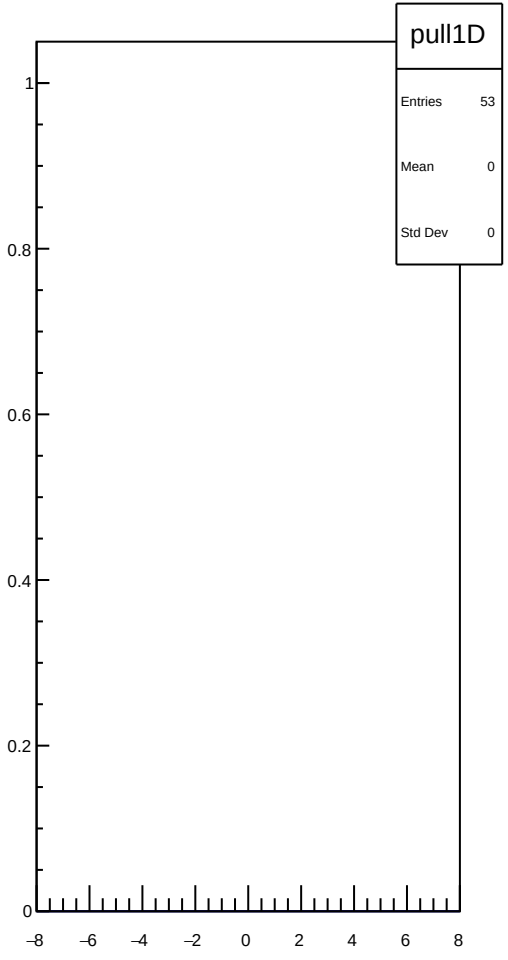

yield_bpm2i01WS_rms vs run
χ² / ndf 5.217e+04 / 52
p0 127.5 ± 0.126
4000
3500
3000
2500
2000
1500
1000
500

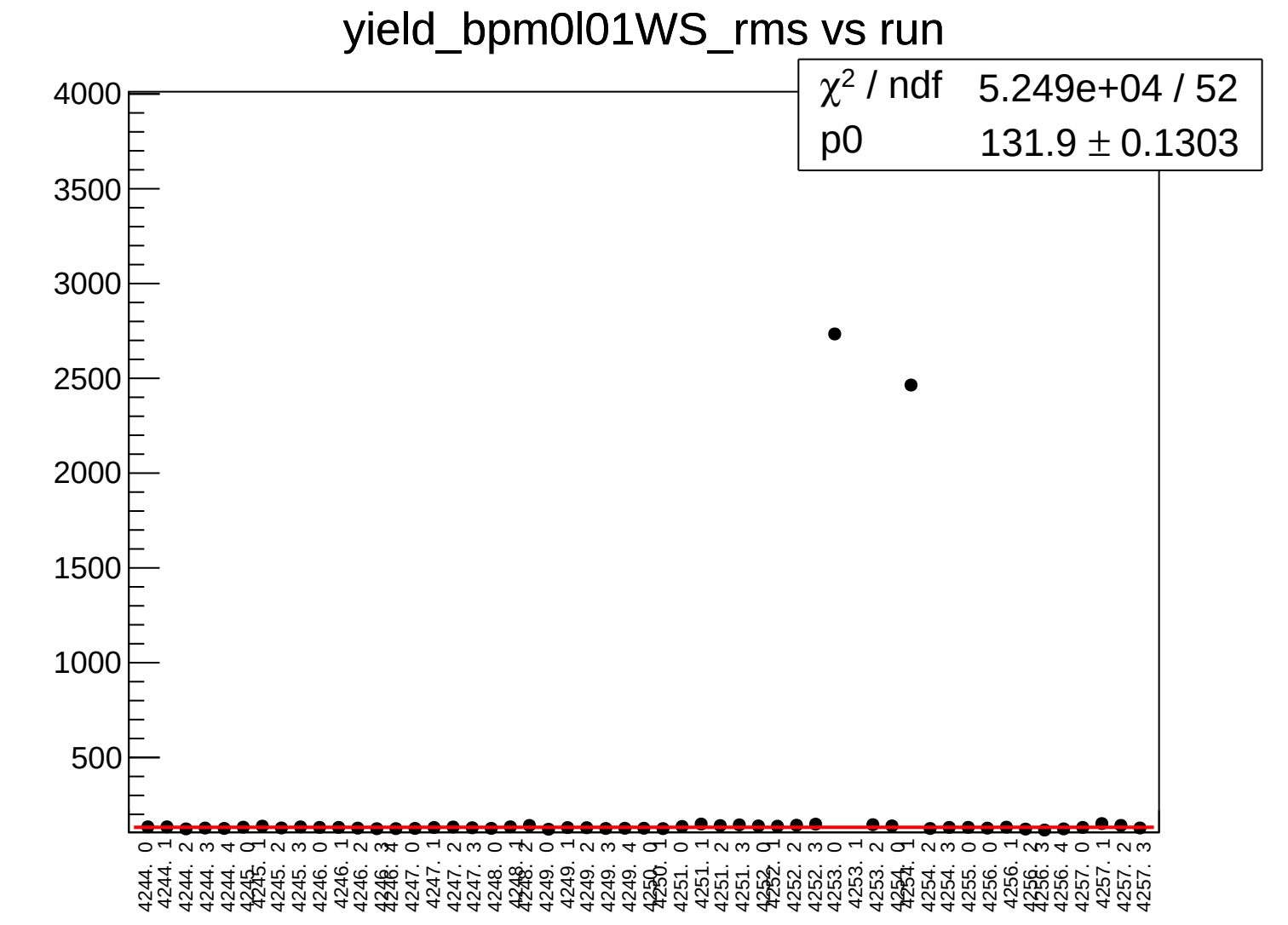

yield_bpm0i07WS_mean vs run
×10^3
130
128
126
124
122
120
118
χ² / ndf 2.583e+08 / 52
p0 1.203e+05 ± 0.2705
pull
Entries 53
Mean 512.9
Std Dev 493.4
6000
5000
4000
3000
2000
1000
0
−1000
−2000

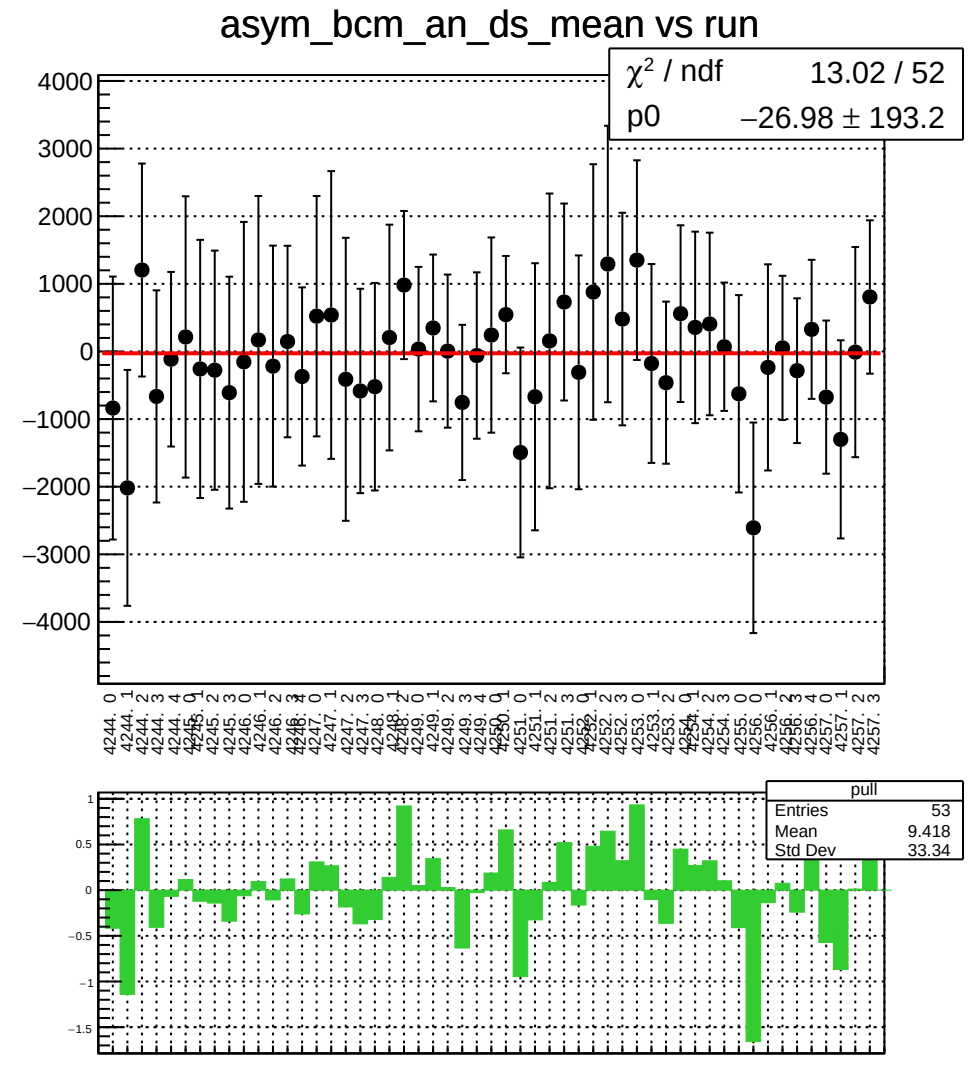

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

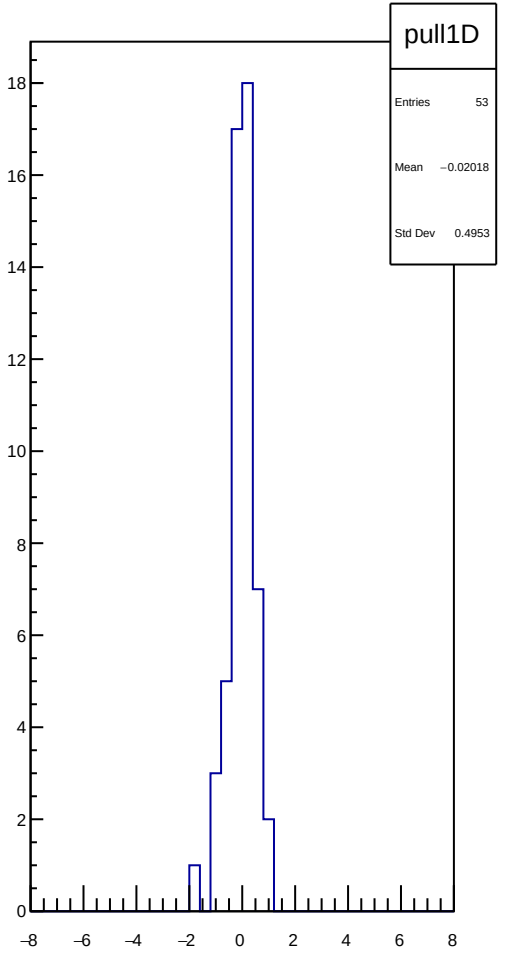

yield_bpm0i07WS_rms vs run
χ² / ndf 4.891e+04 / 52
p0 193.9 ± 0.1913
4500
4000
3500
3000
2500
2000
1500
1000
500
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

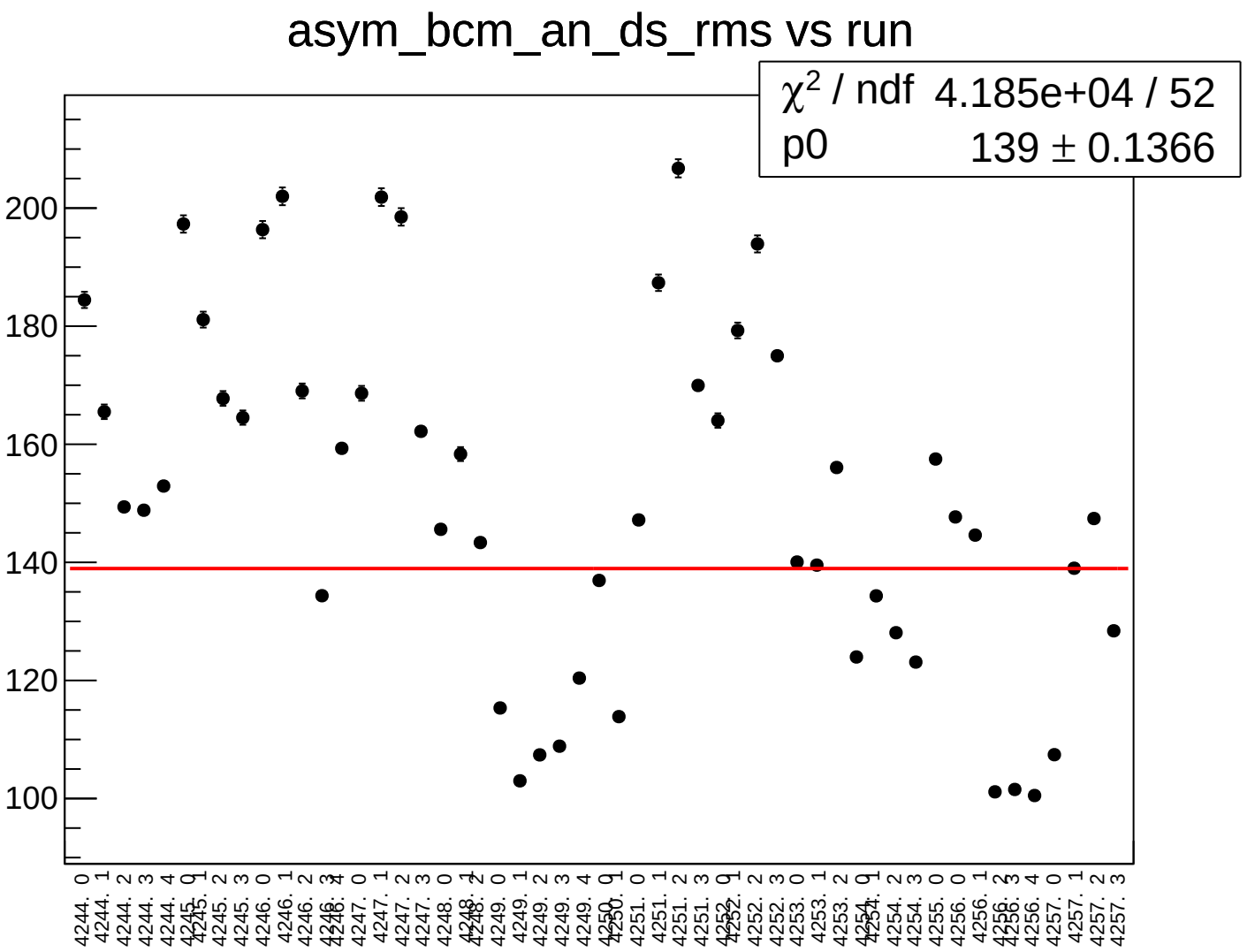

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 3.912e+08 / 52
p0 1.045e+05 ± 0.1843
112
110
108
106
104
102
pull
Entries 53
Mean 206.1
Std Dev 185.3
6000
4000
2000
0
−2000

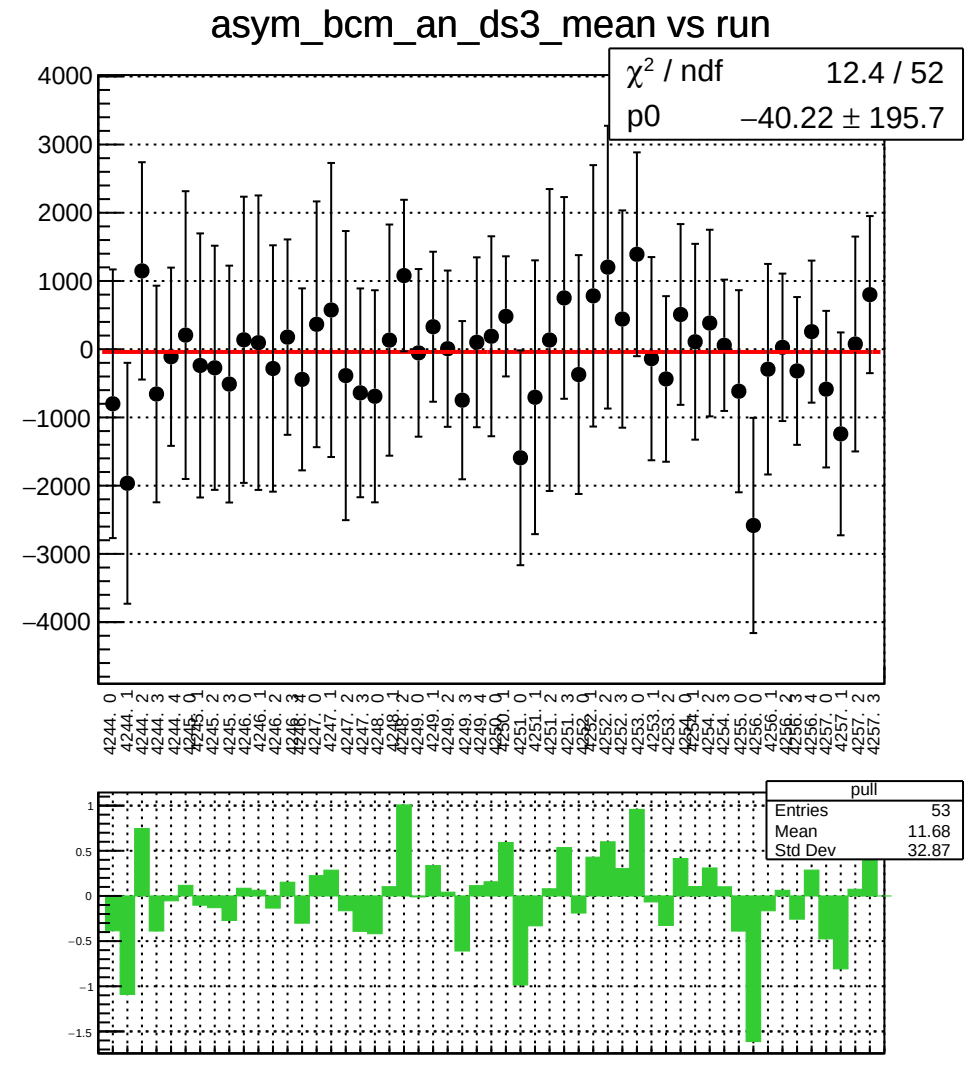

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

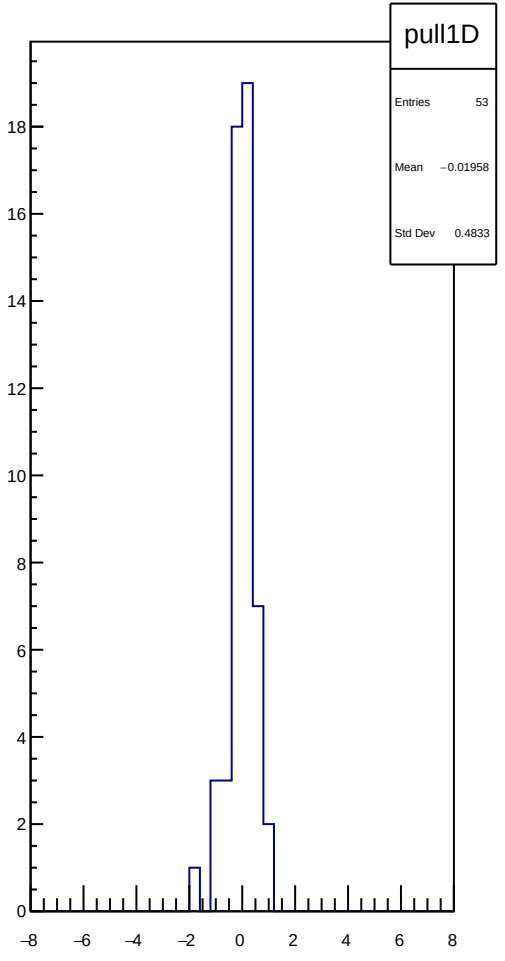

yield_bpm0l01WS_rms vs run
χ² / ndf 5.249e+04 / 52
p0 131.9 ± 0.1303
4000
3500
3000
2500
2000
1500
1000
500
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

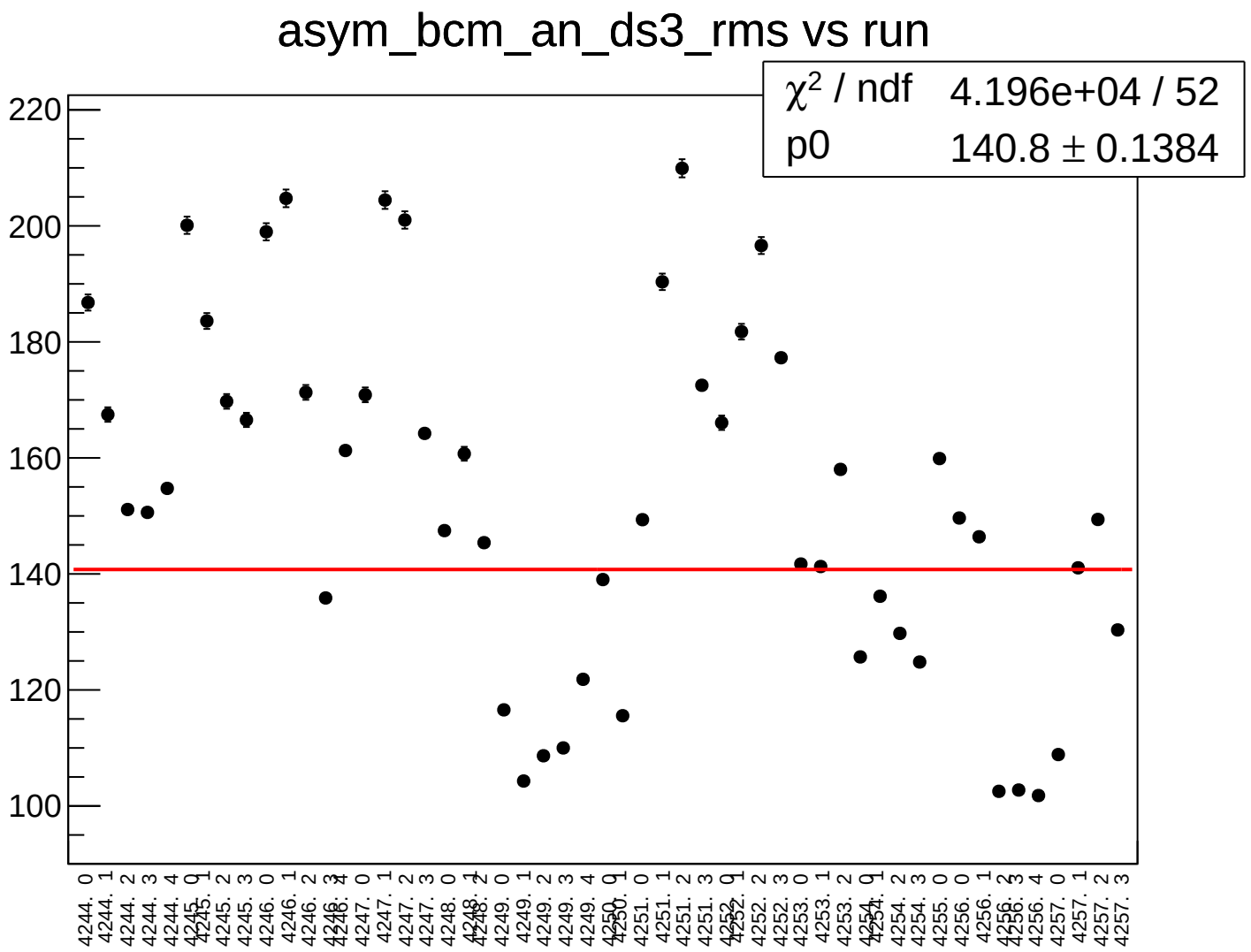

asym_bcm_an_ds_mean vs run
χ² / ndf 13.02 / 52
p0 −26.98 ± 193.2
pull
Entries 53
Mean 9.418
Std Dev 33.34

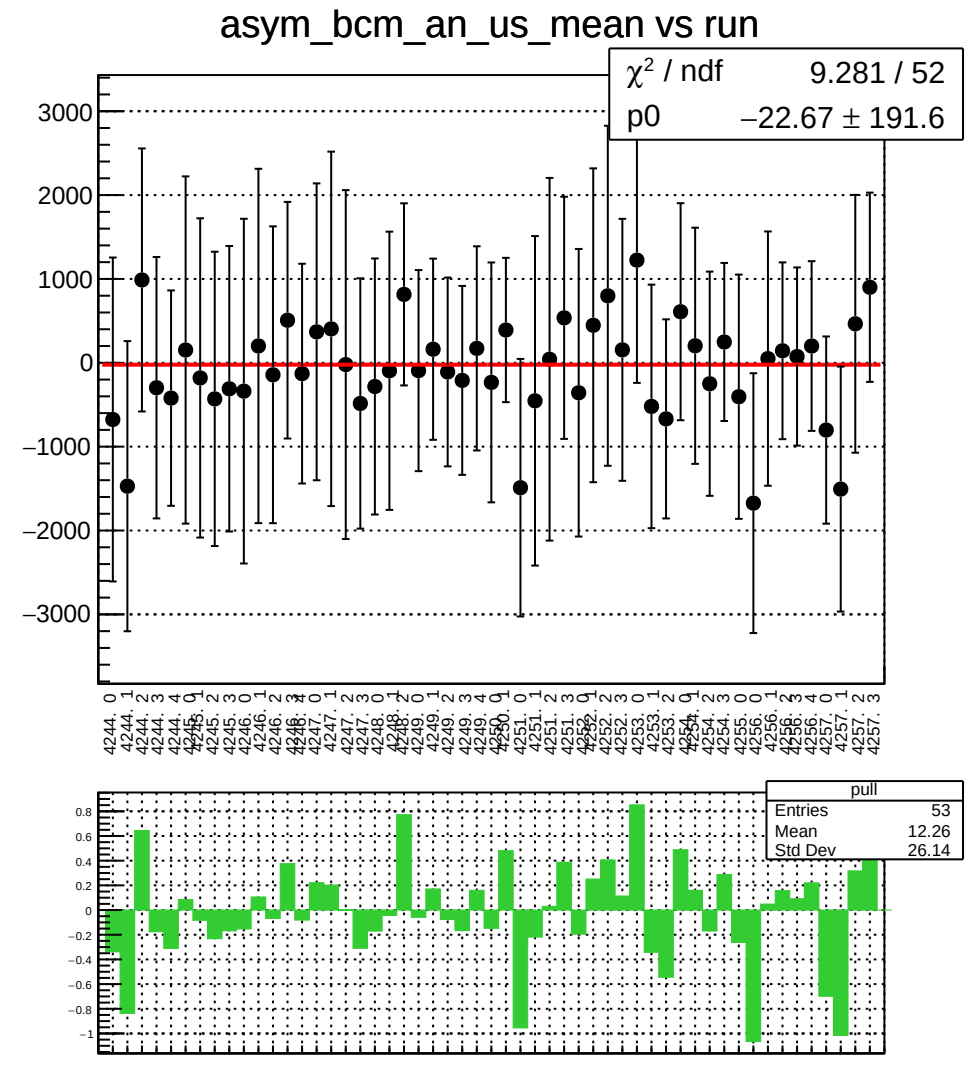

pull1D
Entries 53
Mean −0.02018
Std Dev 0.4953

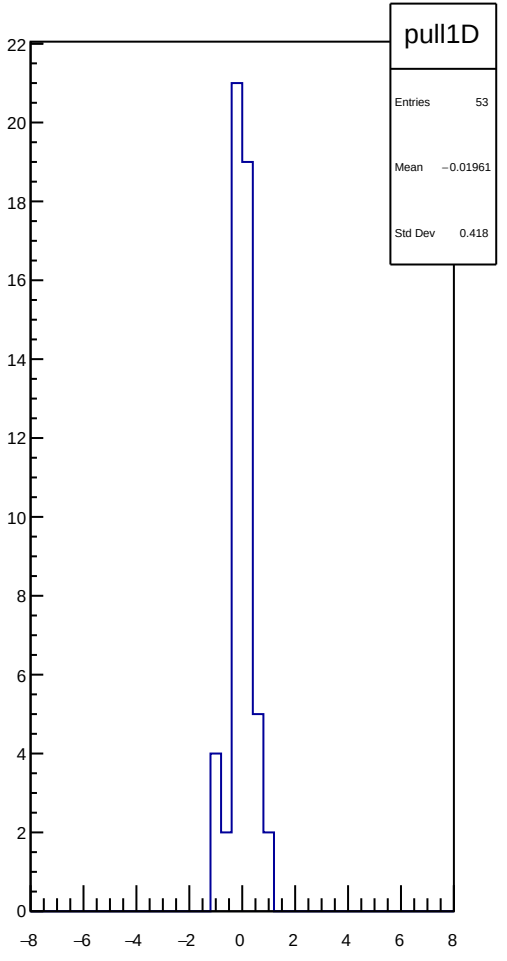

asym_bcm_an_ds_rms vs run
χ^2 / ndf 4.185e+04 / 52
p0 139 ± 0.1366
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

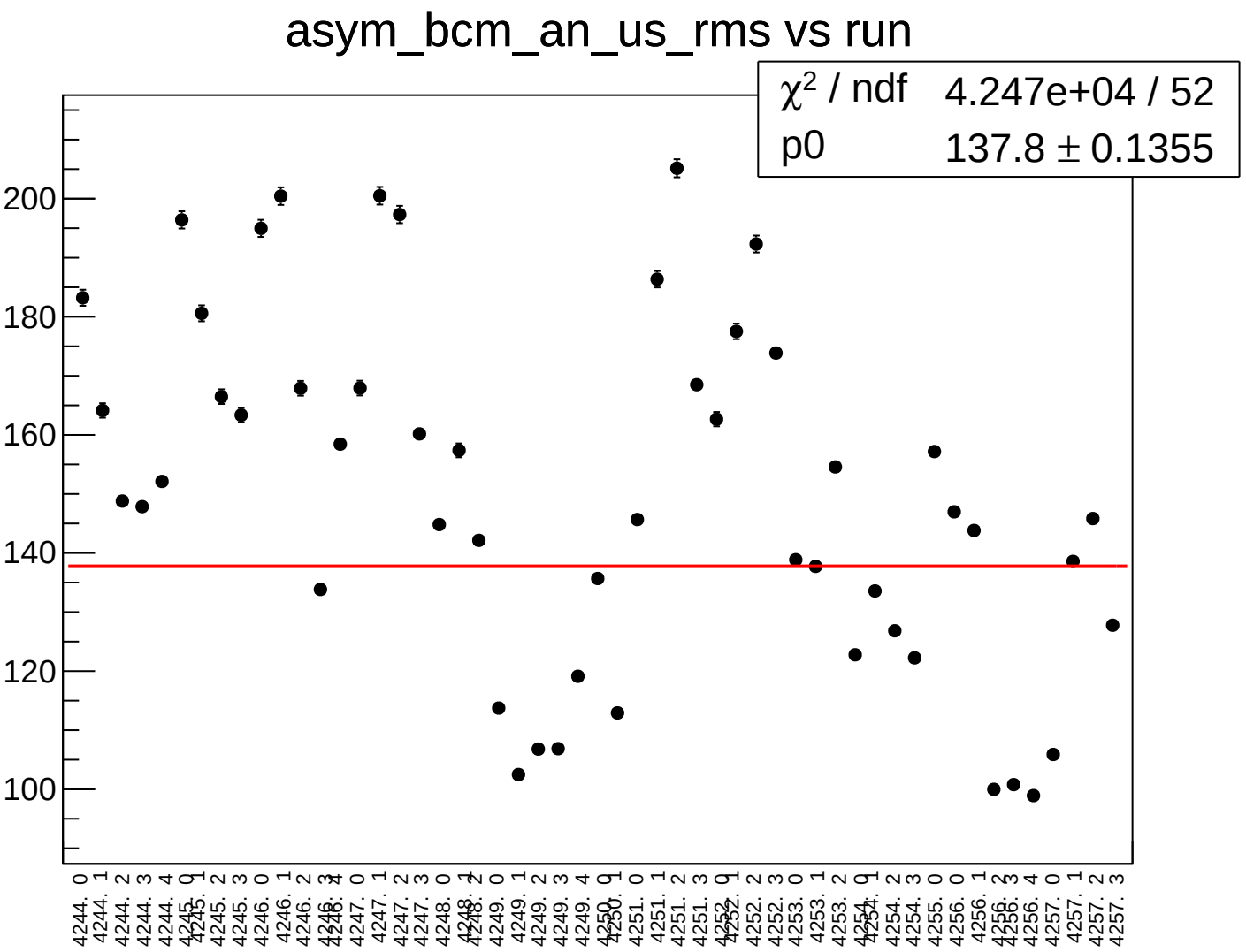

asym_bcm_an_ds3_mean vs run
χ² / ndf 12.4 / 52
p0 −40.22 ± 195.7
pull
Entries 53
Mean 11.68
Std Dev 32.87

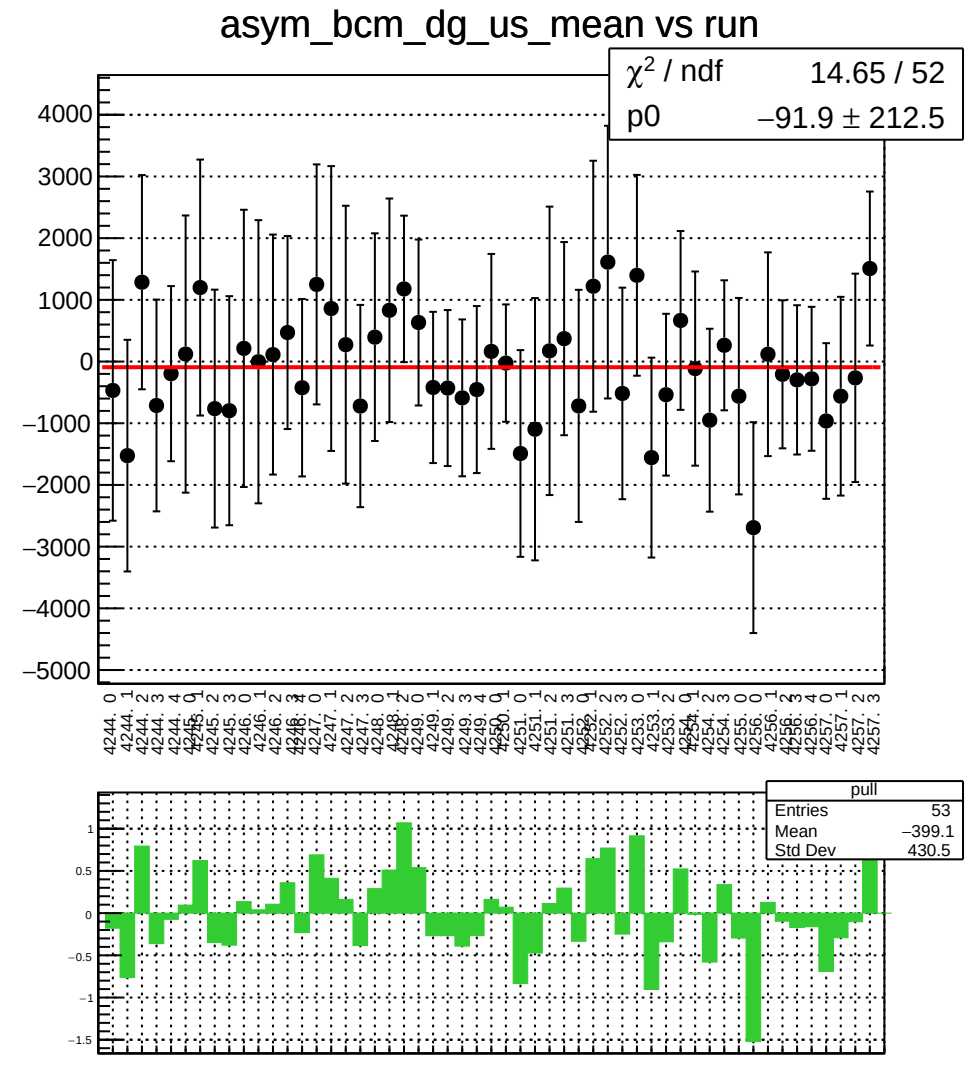

pull1D
Entries 53
Mean −0.01958
Std Dev 0.4833

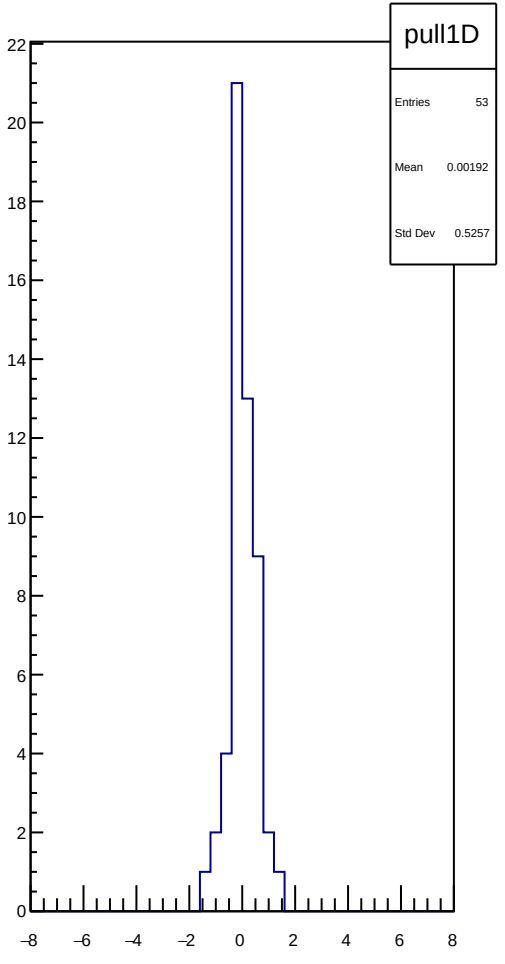

asym_bcm_an_ds3_rms vs run
χ² / ndf 4.196e+04 / 52
p0 140.8 ± 0.1384
220
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

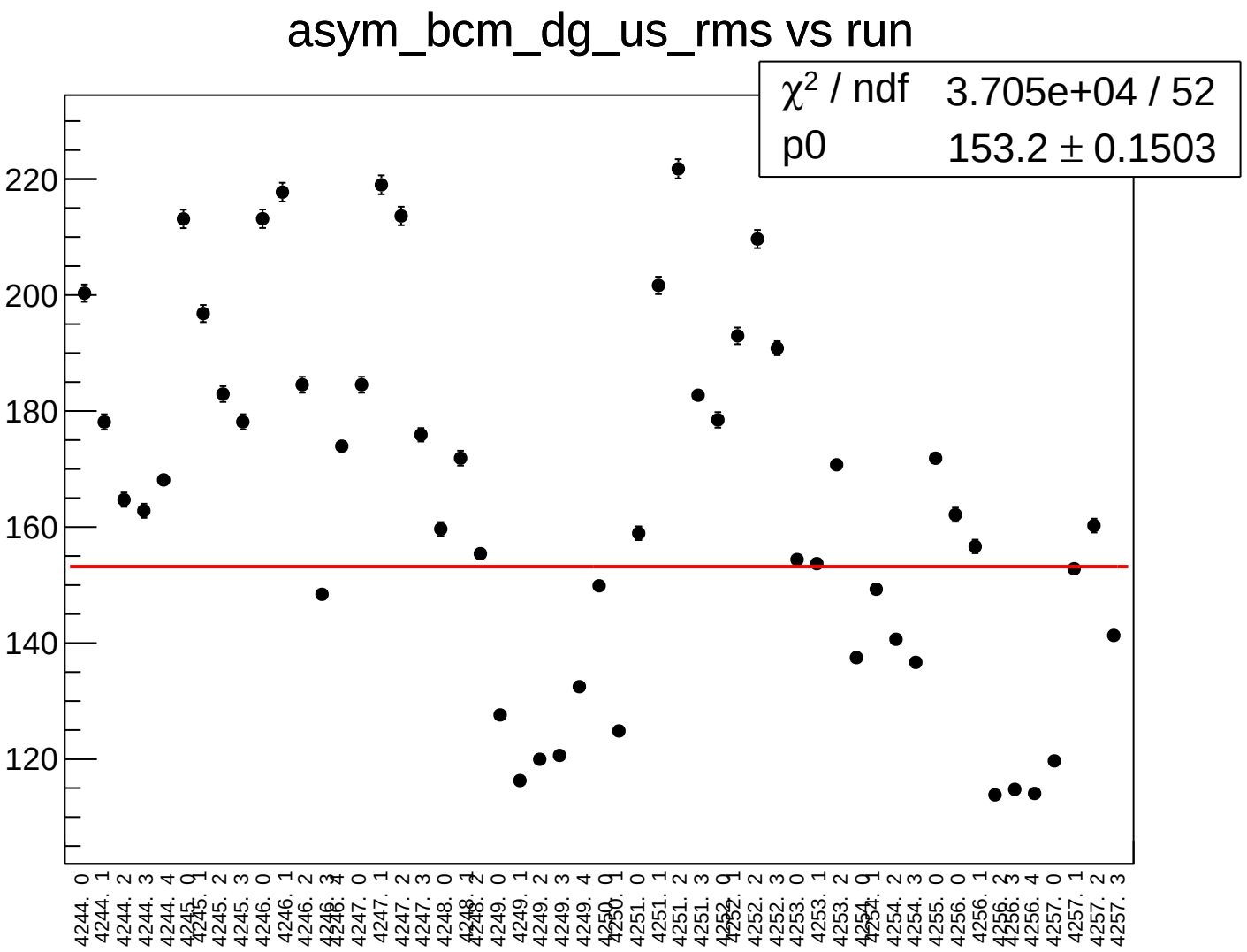

asym_bcm_an_us_mean vs run
χ² / ndf 9.281 / 52
p0 −22.67 ± 191.6
pull
Entries 53
Mean 12.26
Std Dev 26.14

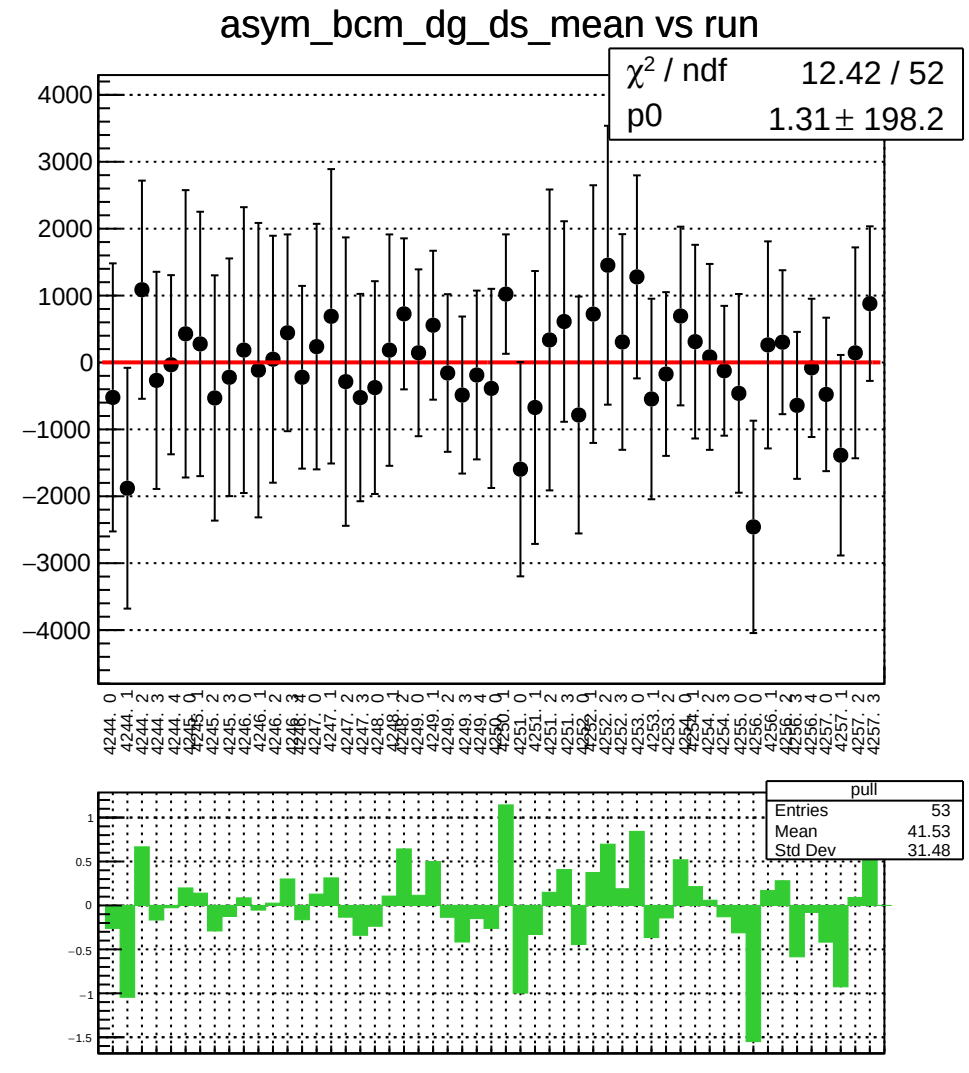

pull1D
Entries 53
Mean −0.01961
Std Dev 0.418

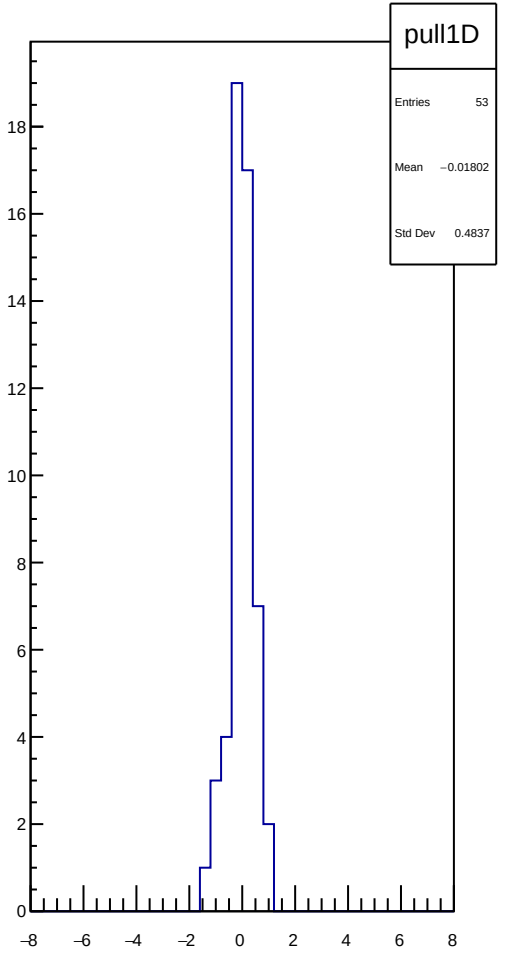

asym_bcm_an_us_rms vs run
χ² / ndf 4.247e+04 / 52
p0 137.8 ± 0.1355
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

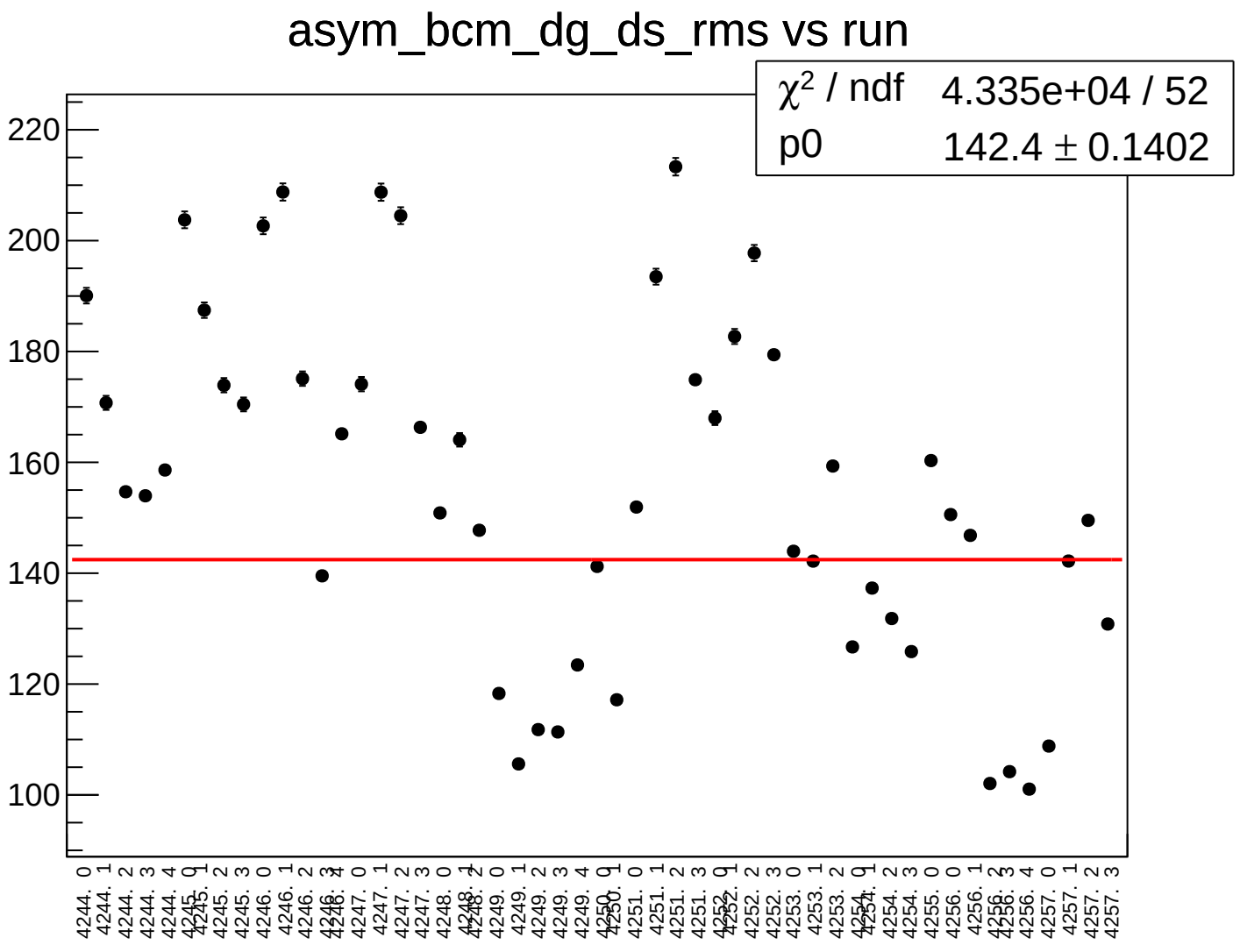

asym_bcm_dg_us_mean vs run
χ² / ndf 14.65 / 52
p0 −91.9 ± 212.5
pull
Entries 53
Mean −399.1
Std Dev 430.5

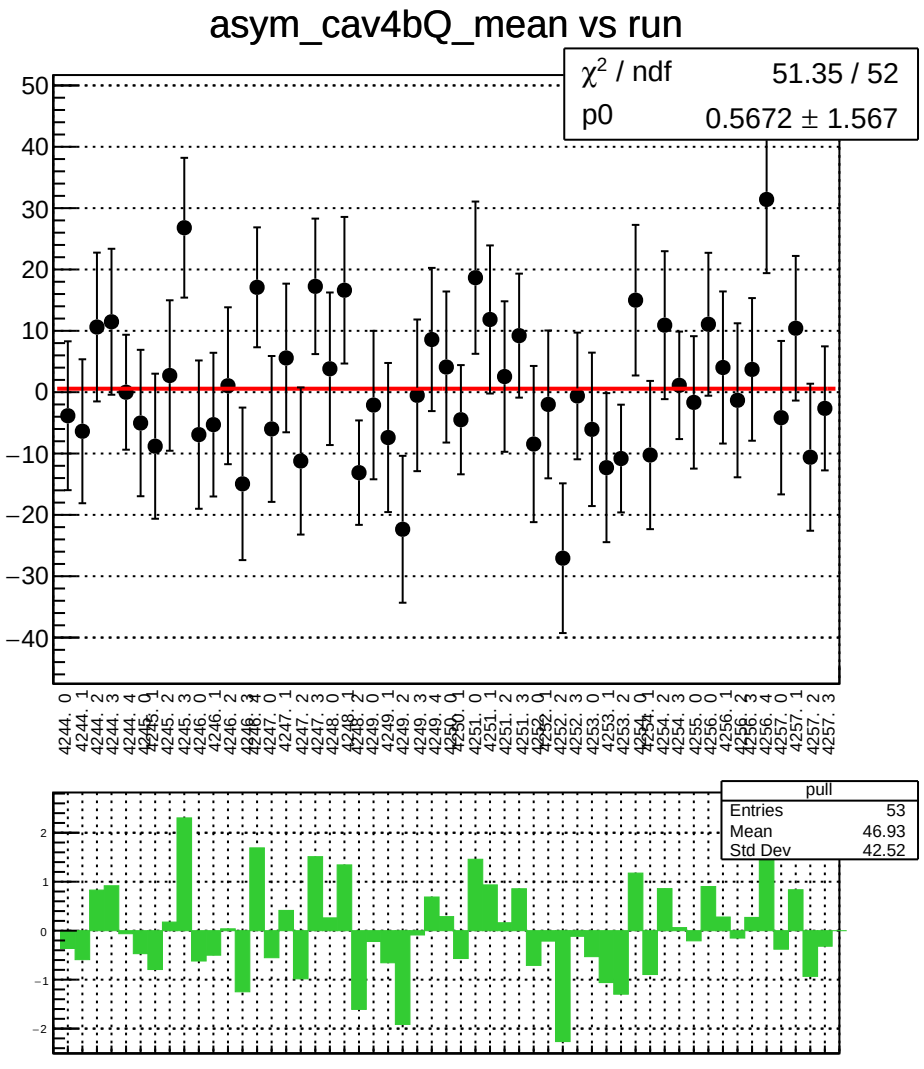

pull1D
Entries 53
Mean 0.00192
Std Dev 0.5257

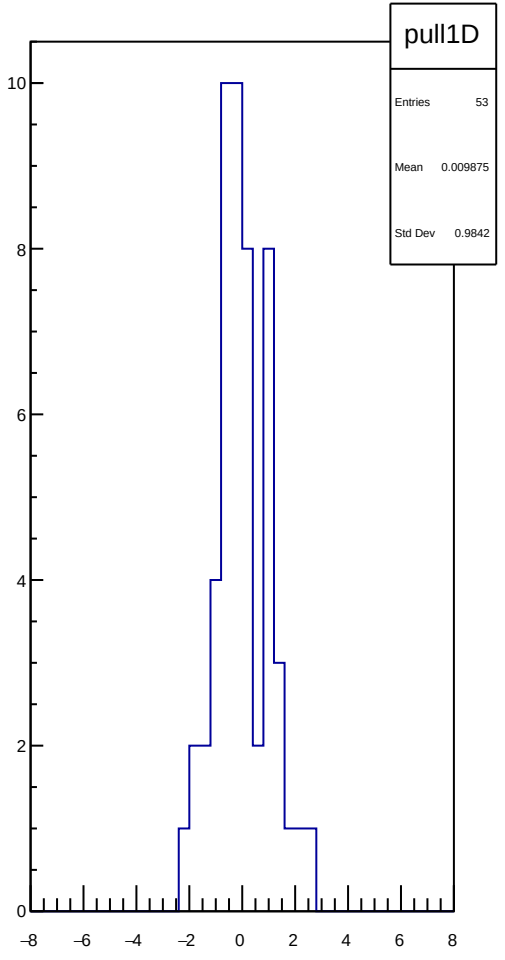

asym_bcm_dg_us_rms vs run
χ² / ndf 3.705e+04 / 52
p0 153.2 ± 0.1503
220
200
180
160
140
120
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

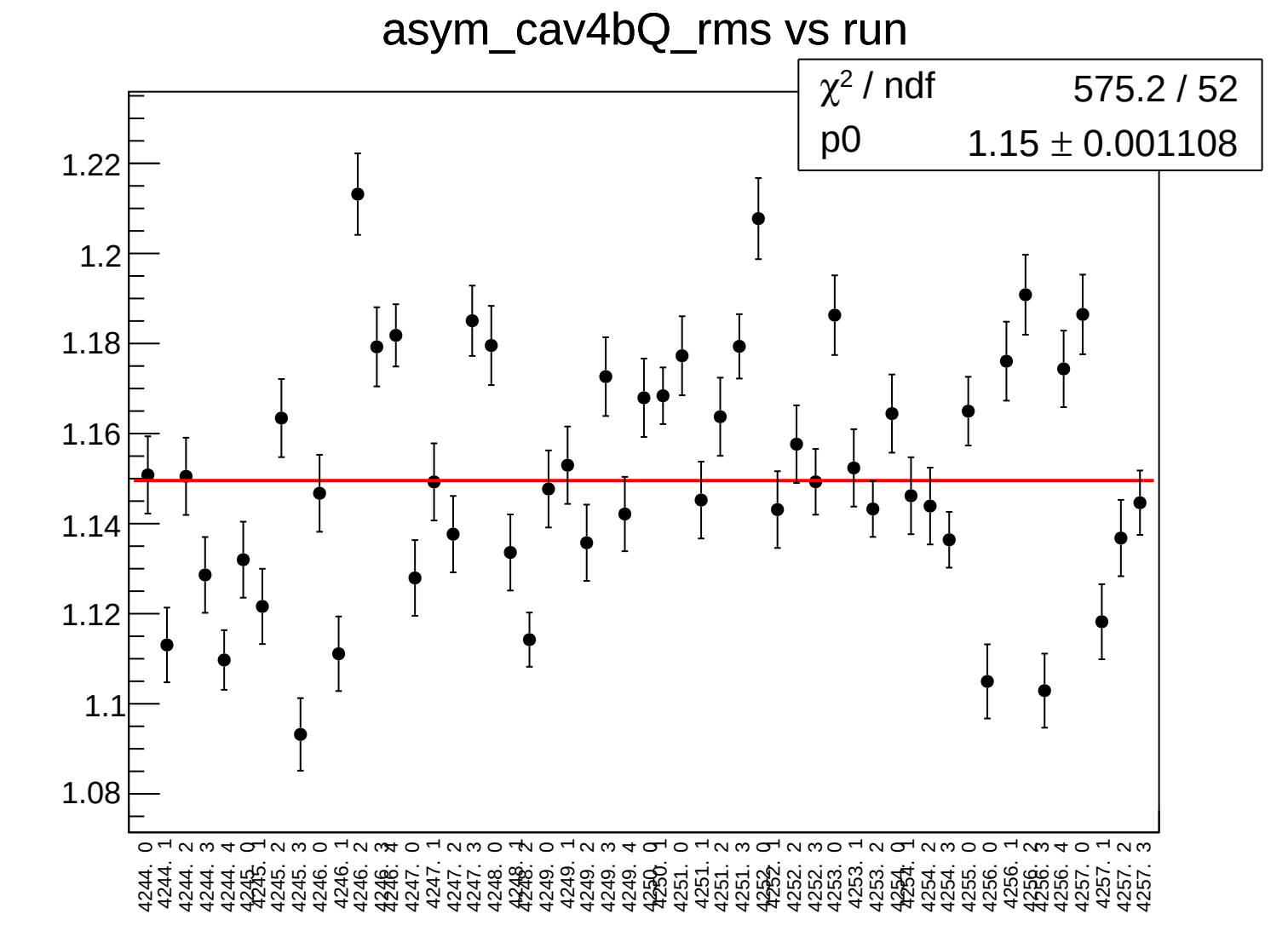

asym_bcm_dg_ds_mean vs run
χ² / ndf 12.42 / 52
p0 1.31 ± 198.2
pull
Entries 53
Mean 41.53
Std Dev 31.48

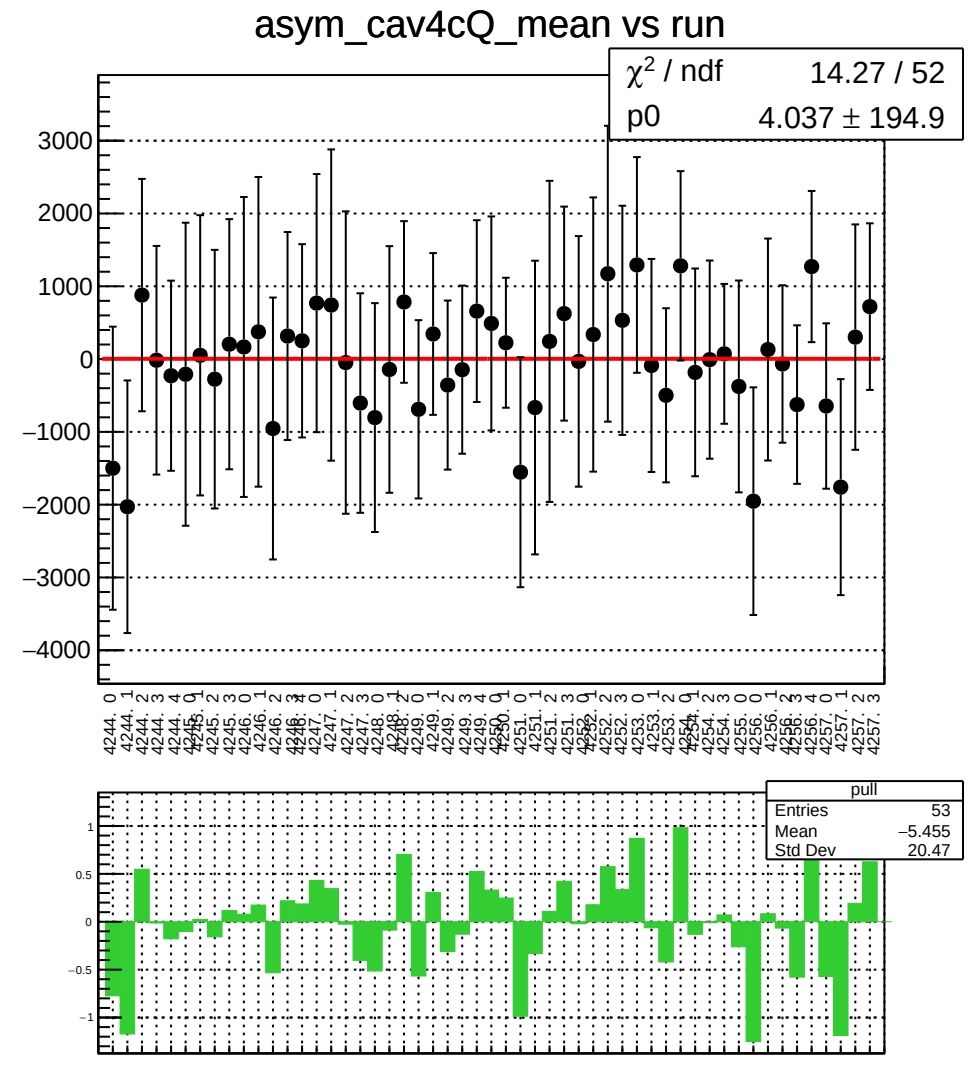

pull1D
Entries 53
Mean −0.01802
Std Dev 0.4837

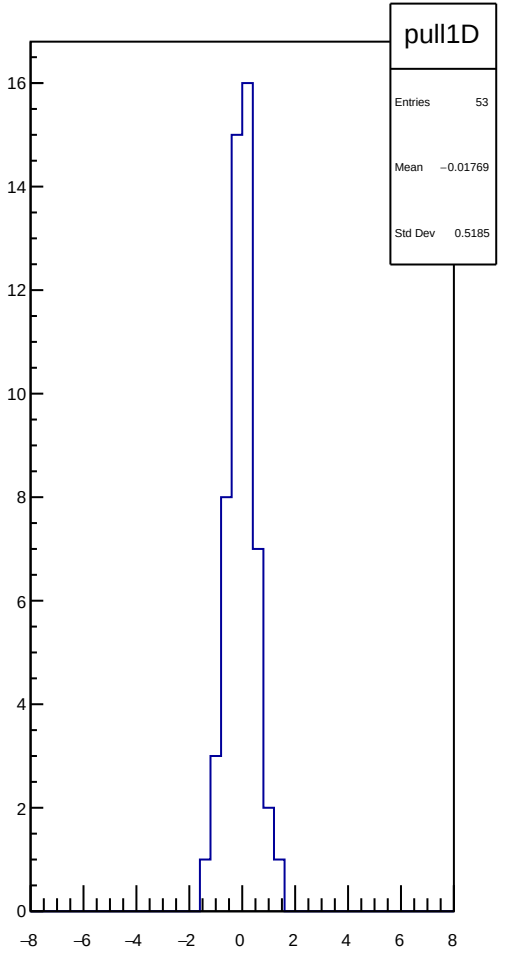

asym_bcm_dg_ds_rms vs run
χ² / ndf 4.335e+04 / 52
p0 142.4 ± 0.1402
220
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

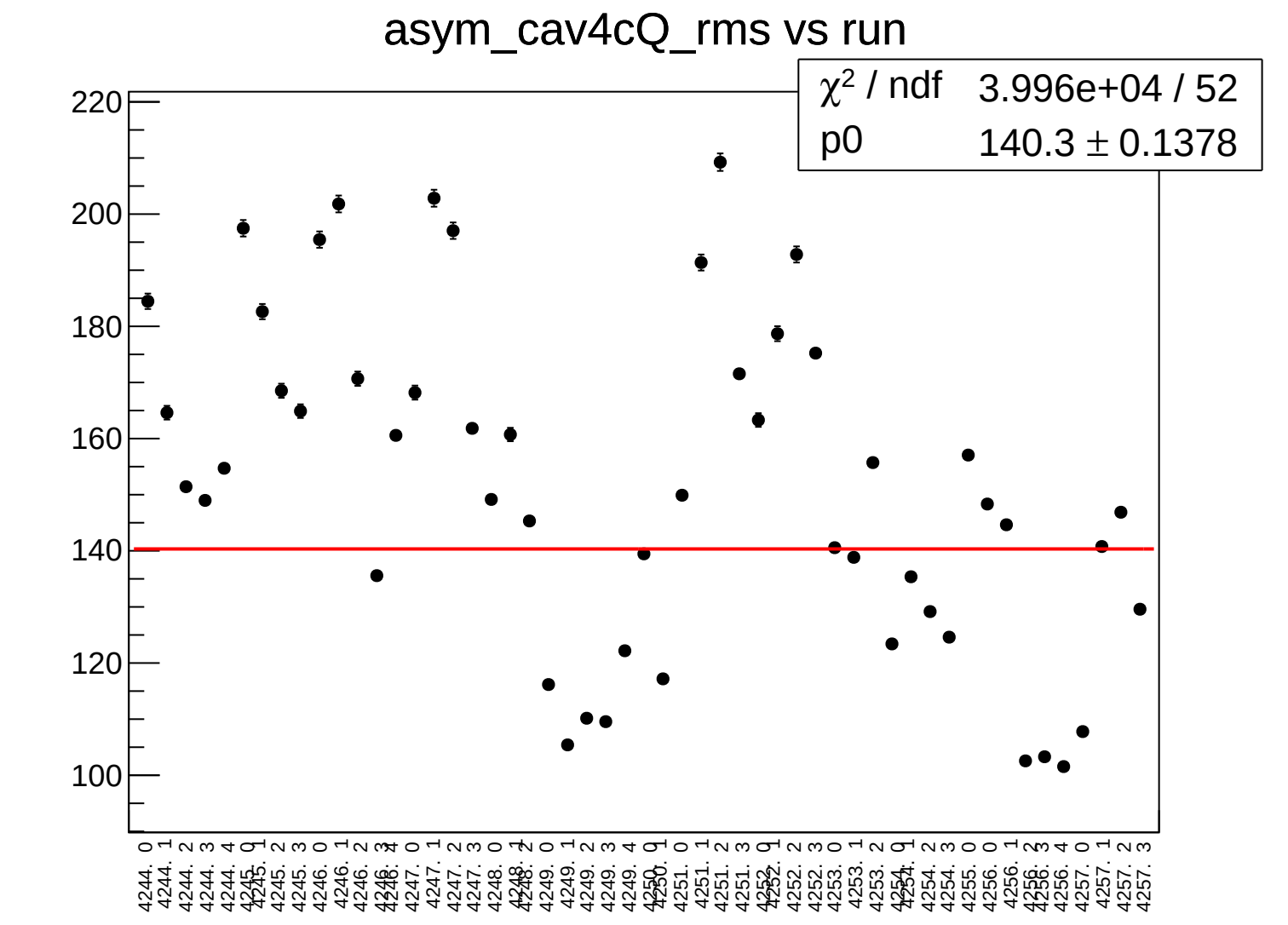

asym_cav4bQ_mean vs run
χ² / ndf 51.35 / 52
p0 0.5672 ± 1.567
pull
Entries 53
Mean 46.93
Std Dev 42.52

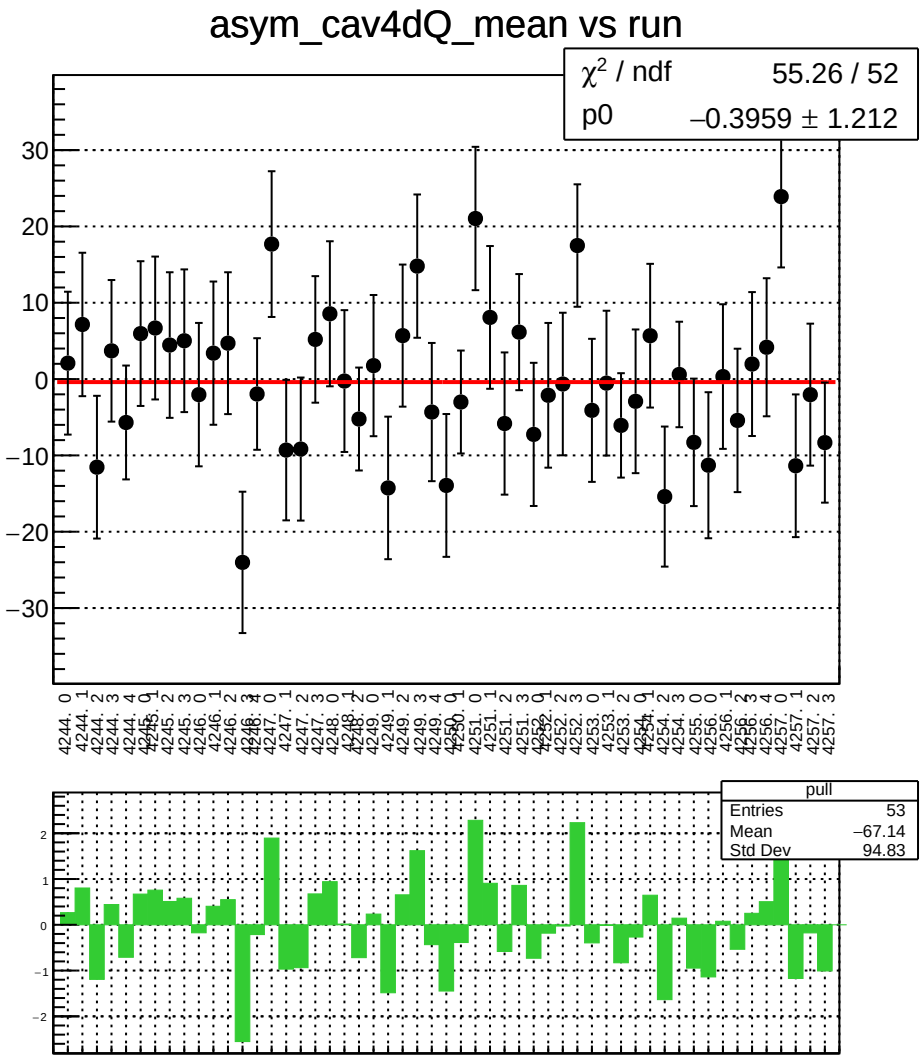

pull1D
Entries 53
Mean 0.009875
Std Dev 0.9842

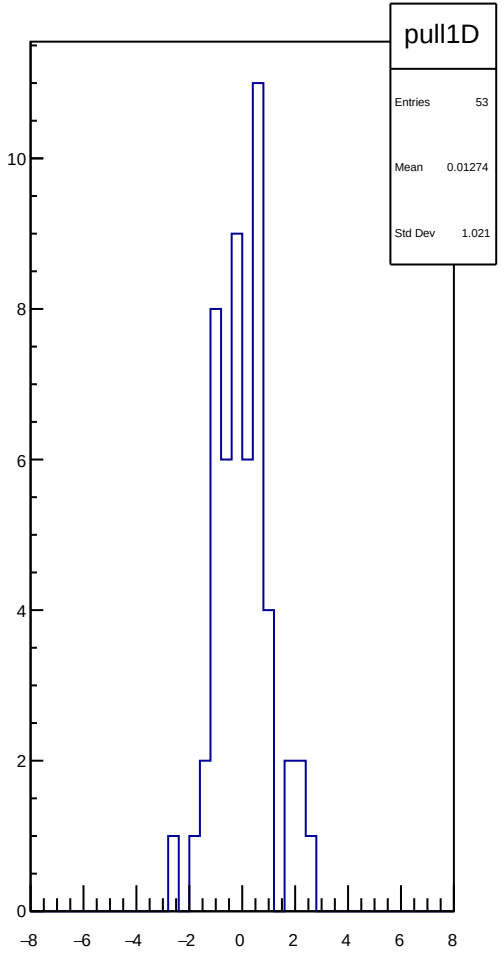

asym_cav4bQ_rms vs run
χ² / ndf 575.2 / 52
p0 1.15 ± 0.001108
1.22
1.2
1.18
1.16
1.14
1.12
1.1
1.08
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

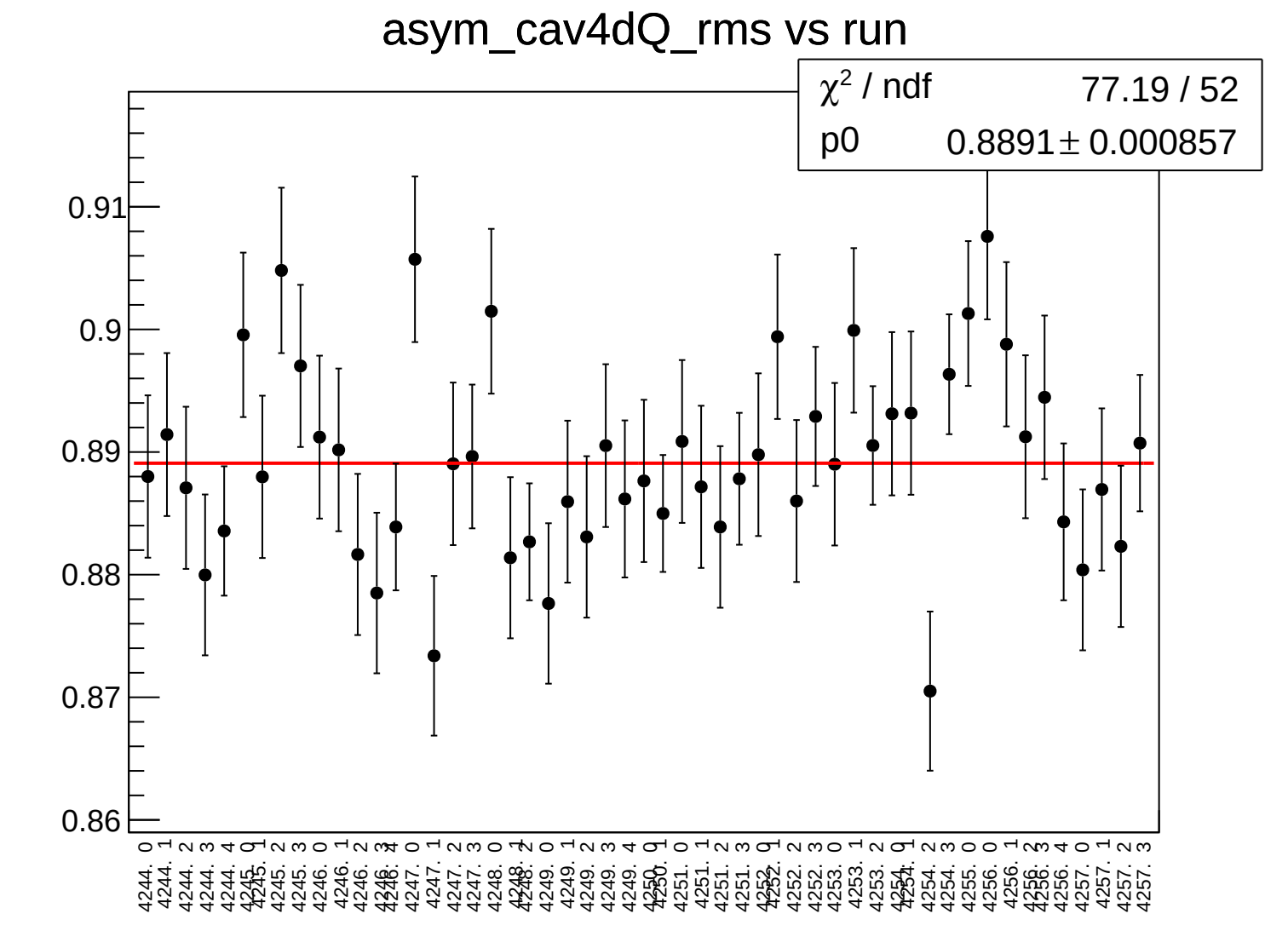

asym_cav4cQ_mean vs run
χ² / ndf 14.27 / 52
p0 4.037 ± 194.9
pull
Entries 53
Mean −5.455
Std Dev 20.47

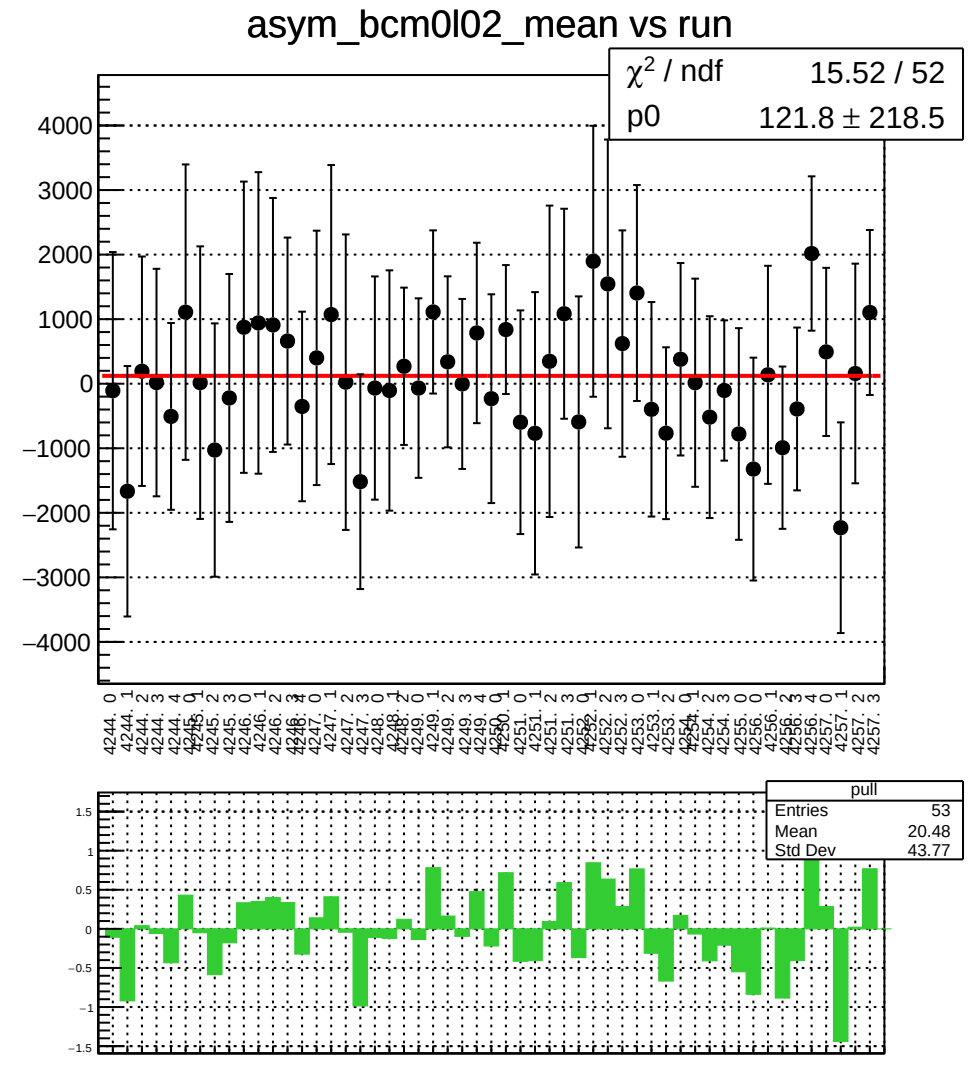

pull1D
Entries 53
Mean −0.01769
Std Dev 0.5185

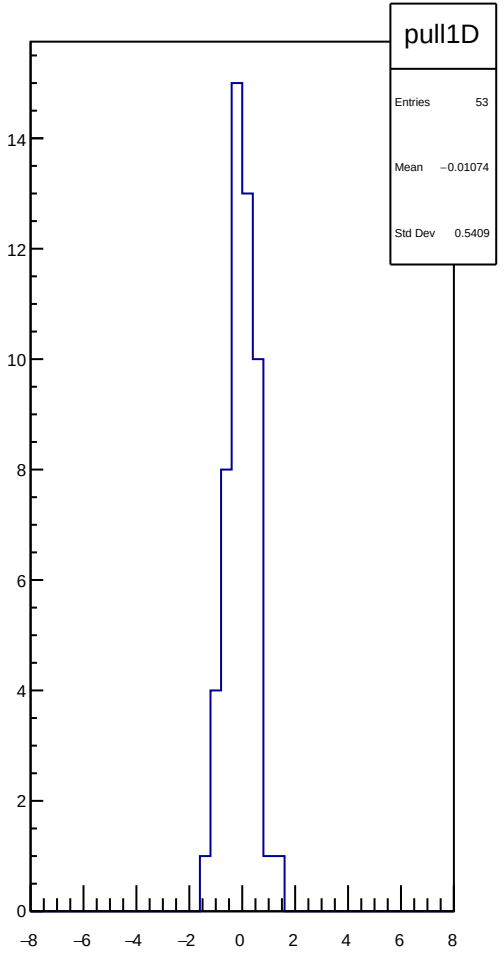

asym_cav4cQ_rms vs run
χ² / ndf 3.996e+04 / 52
p0 140.3 ± 0.1378
220
200
180
160
140
120
100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

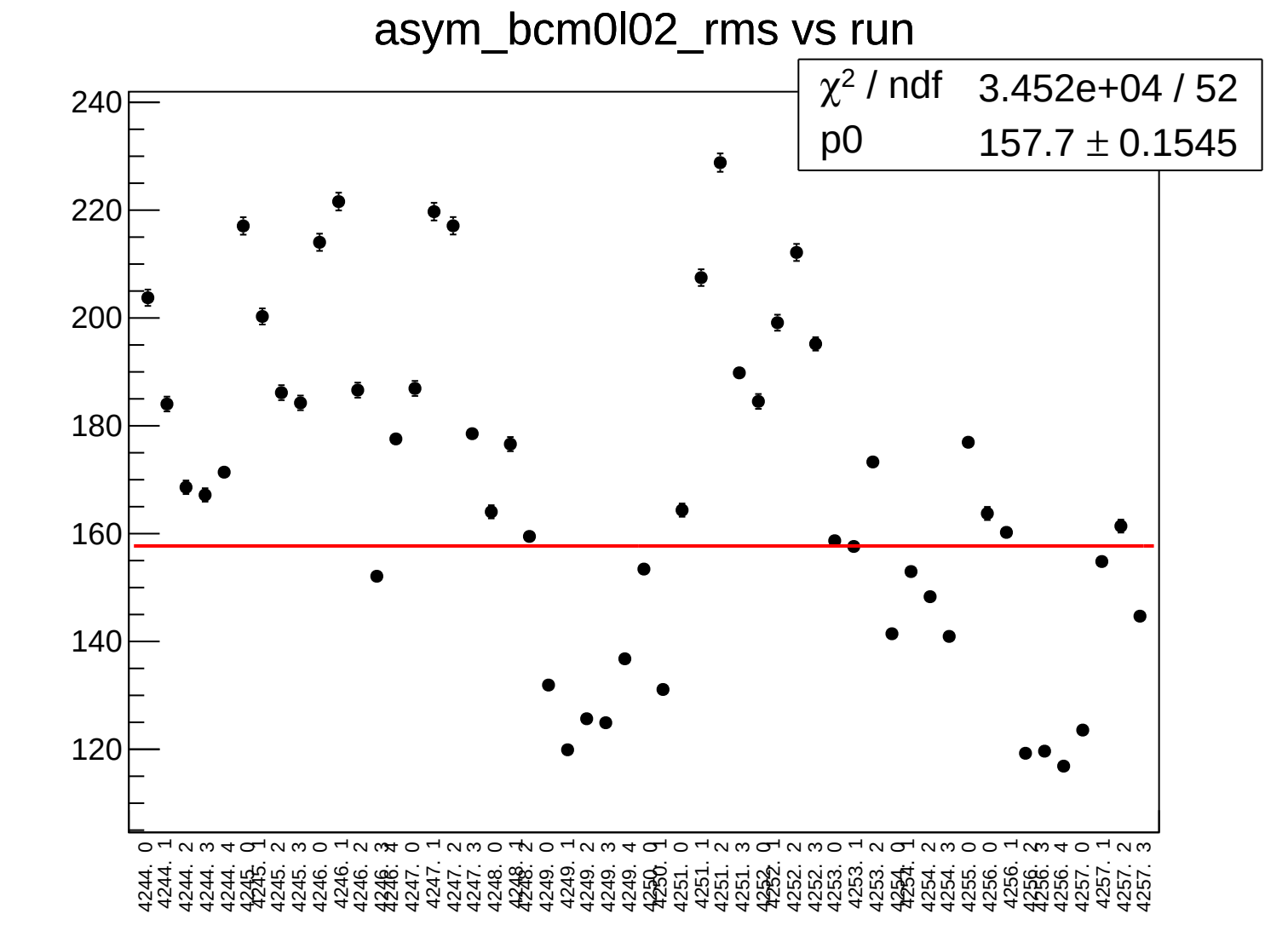

asym_cav4dQ_mean vs run
χ² / ndf 55.26 / 52
p0 −0.3959 ± 1.212
pull
Entries 53
Mean −67.14
Std Dev 94.83

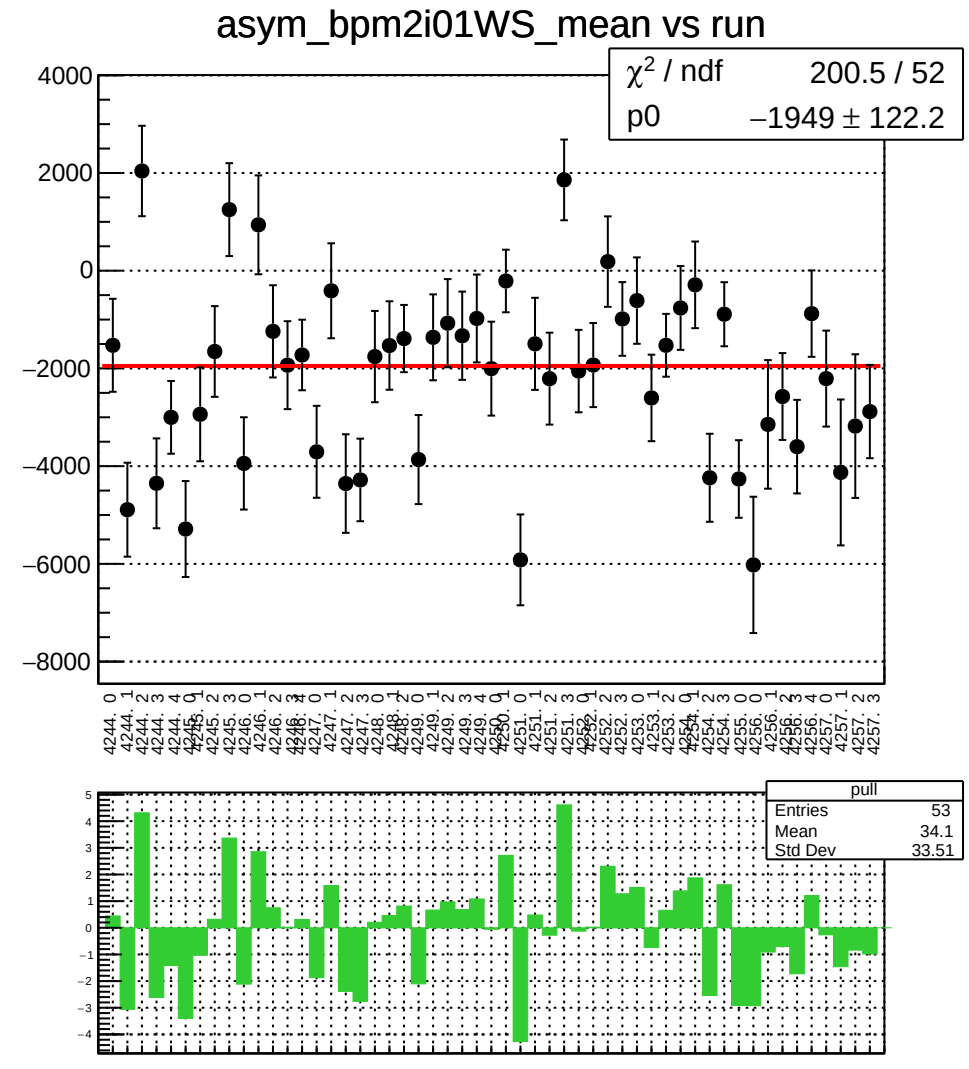

pull1D
Entries 53
Mean 0.01274
Std Dev 1.021

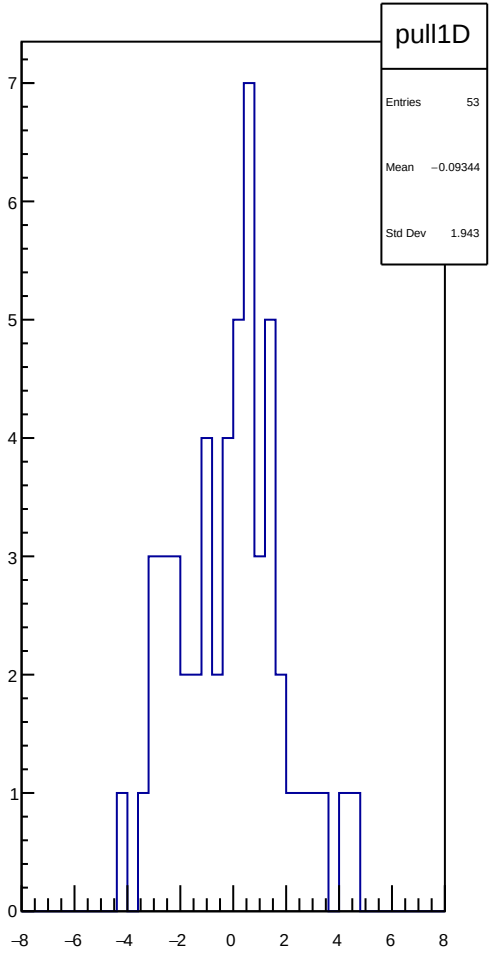

asym_cav4dQ_rms vs run
χ² / ndf 77.19 / 52
p0 0.8891 ± 0.000857
0.91
0.9
0.89
0.88
0.87
0.86
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

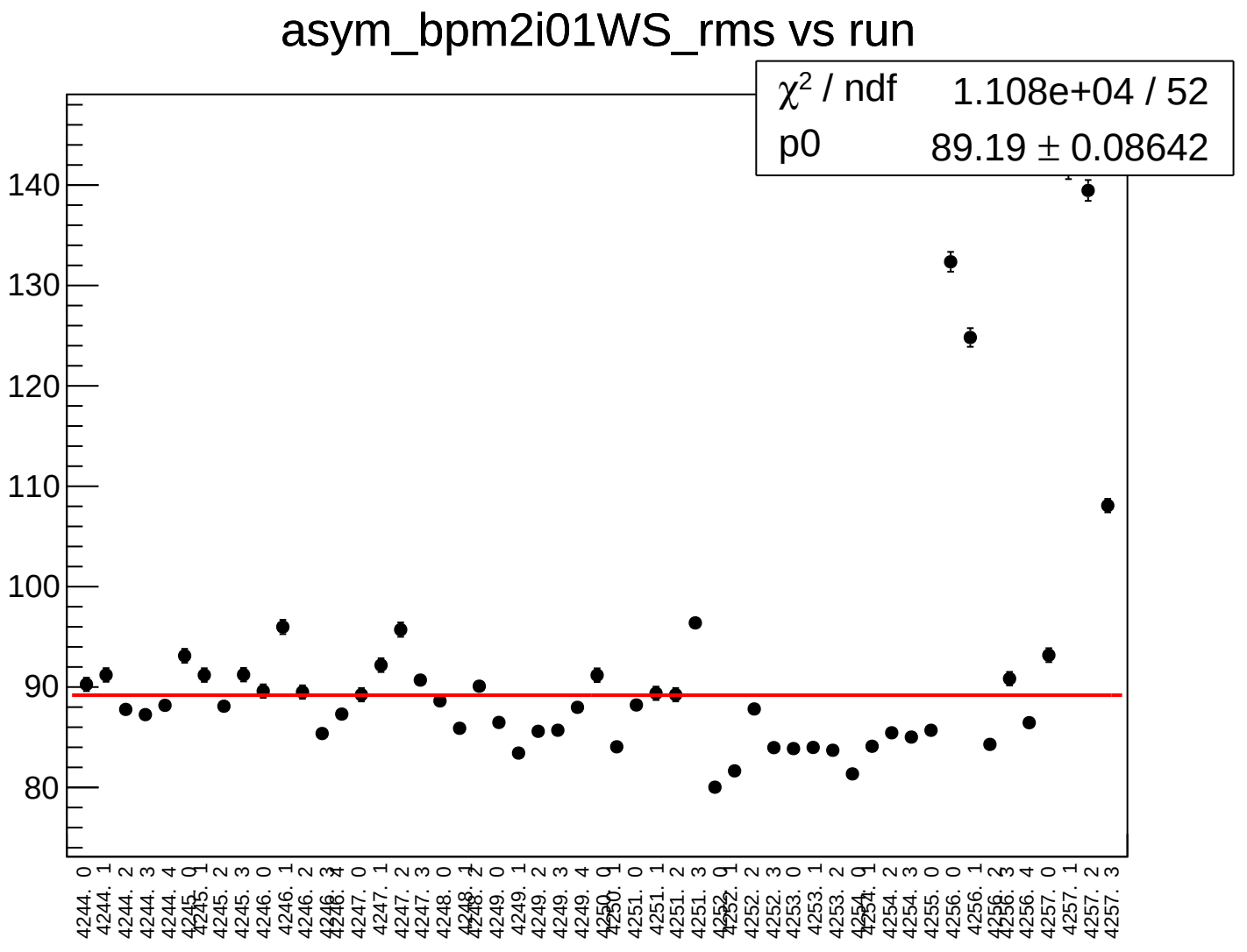

asym_bcm0l02_mean vs run
χ² / ndf 15.52 / 52
p0 121.8 ± 218.5
pull
Entries 53
Mean 20.48
Std Dev 43.77


pull1D
Entries 53
Mean −0.01074
Std Dev 0.5409


asym_bcm0l02_rms vs run
χ² / ndf 3.452e+04 / 52
p0 157.7 ± 0.1545
240
220
200
180
160
140
120
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bpm2i01WS_mean vs run
χ^2 / ndf 200.5 / 52
p0 −1949 ± 122.2
pull
Entries 53
Mean 34.1
Std Dev 33.51


pull1D
Entries 53
Mean −0.09344
Std Dev 1.943


asym_bpm2i01WS_rms vs run
χ^2 / ndf 1.108e+04 / 52
p0 89.19 ± 0.08642
140
130
120
110
100
90
80
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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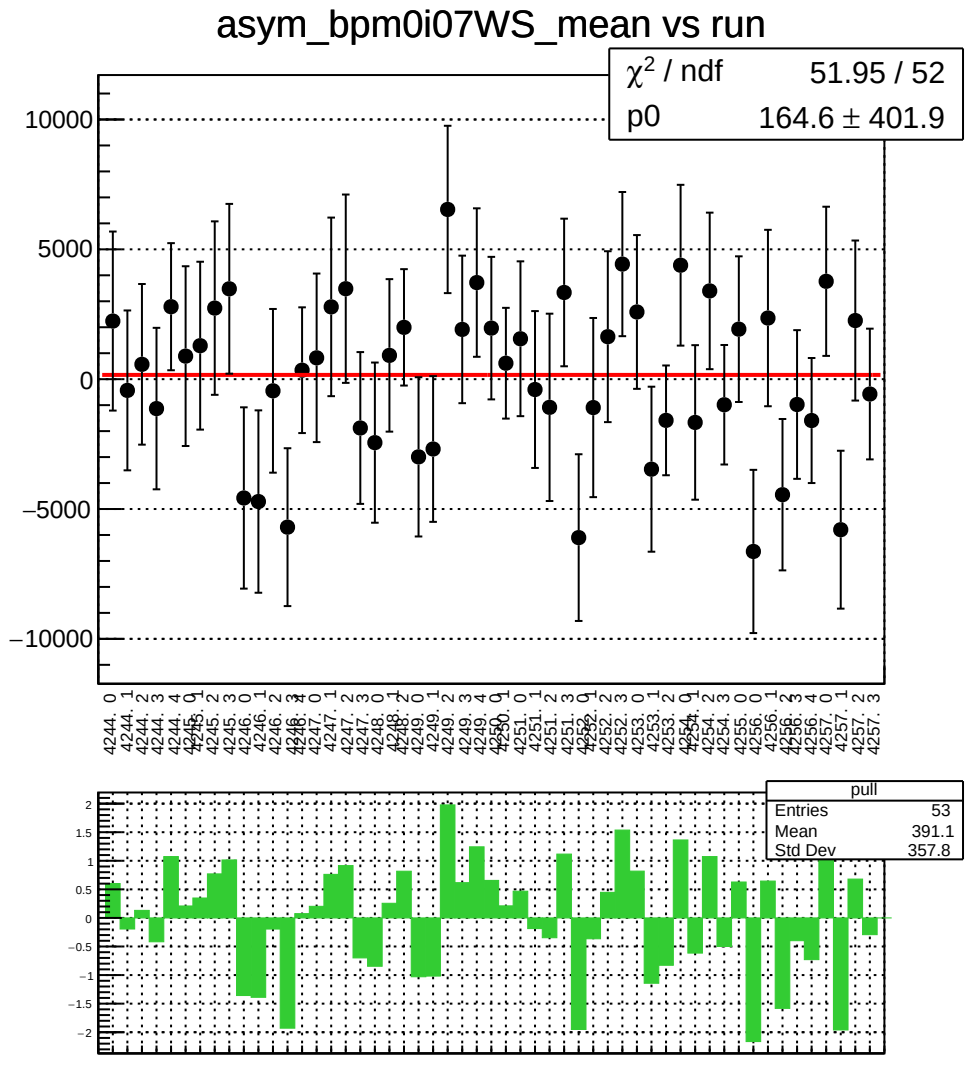
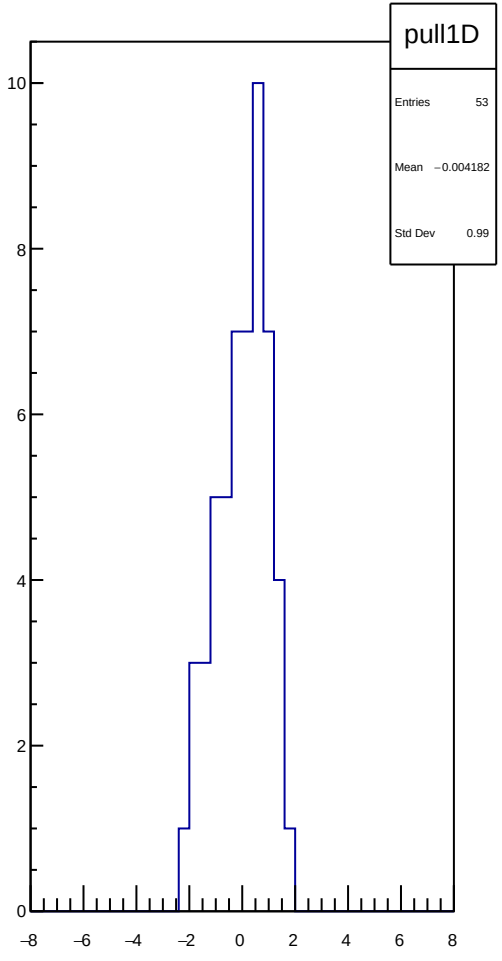
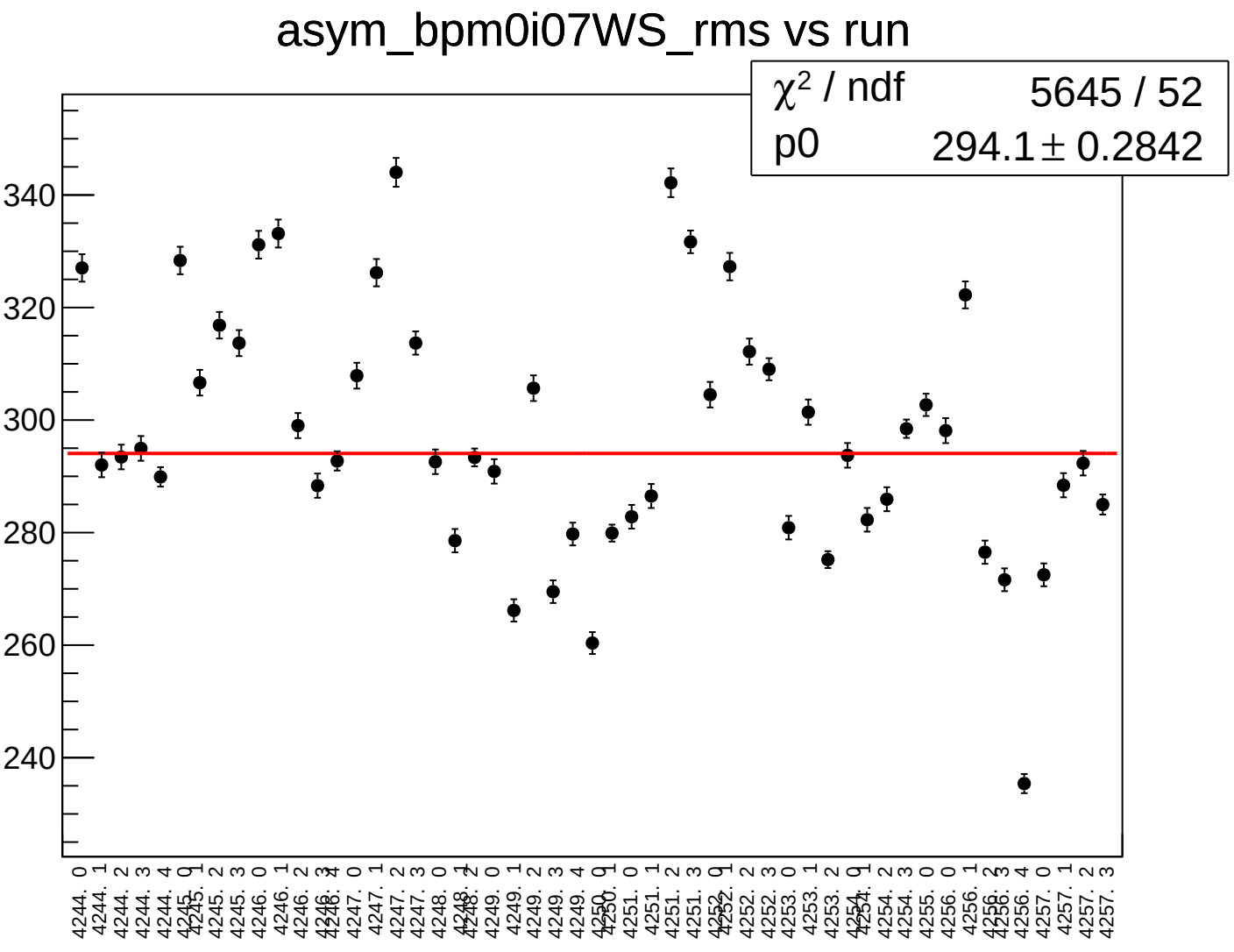
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bpm0i07WS_mean vs run
χ² / ndf 51.95 / 52
p0 164.6 ± 401.9
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 391.1
Std Dev 357.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean −0.004182
Std Dev 0.99
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0i07WS_rms vs run
χ² / ndf 5645 / 52
p0 294.1 ± 0.2842
340
320
300
280
260
240
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
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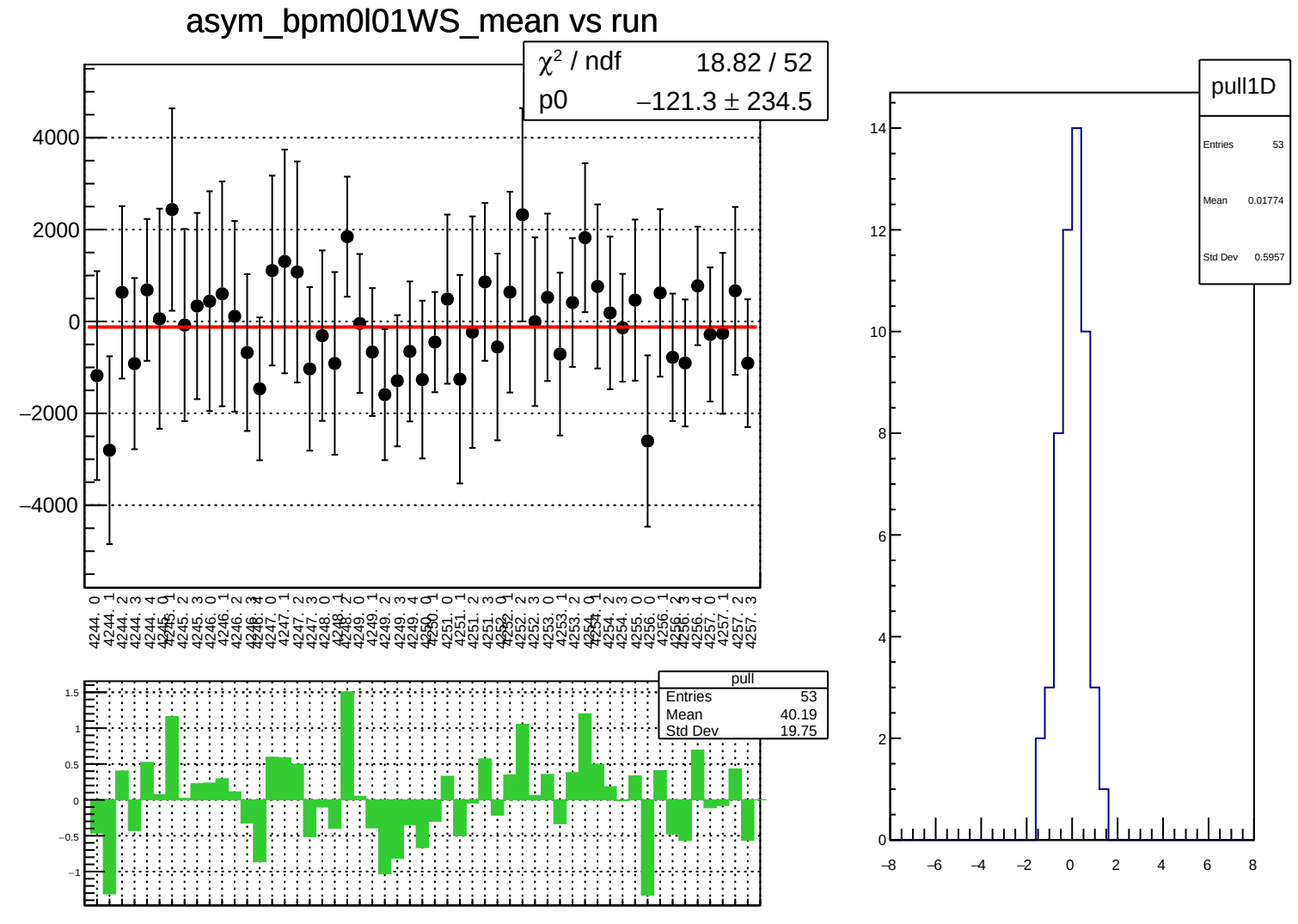
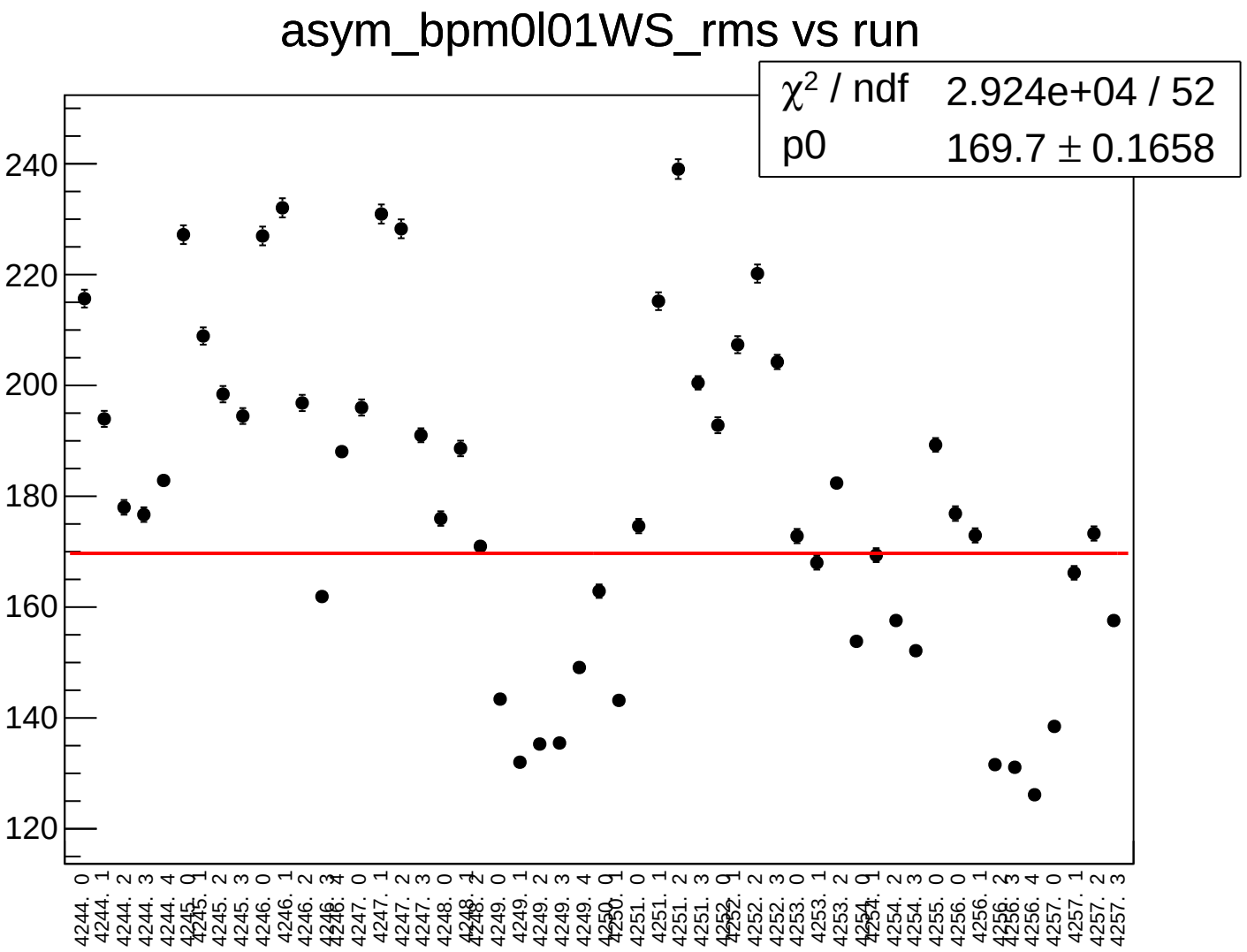
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_bpm0l01WS_mean vs run
χ² / ndf 18.82 / 52
p0 −121.3 ± 234.5
4000
2000
0
−2000
−4000
pull
Entries 53
Mean 40.19
Std Dev 19.75
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 53
Mean 0.01774
Std Dev 0.5957
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0l01WS_rms vs run
χ² / ndf 2.924e+04 / 52
p0 169.7 ± 0.1658
240
220
200
180
160
140
120
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
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4254. 1
4254. 2
4254. 3
4255. 0
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4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
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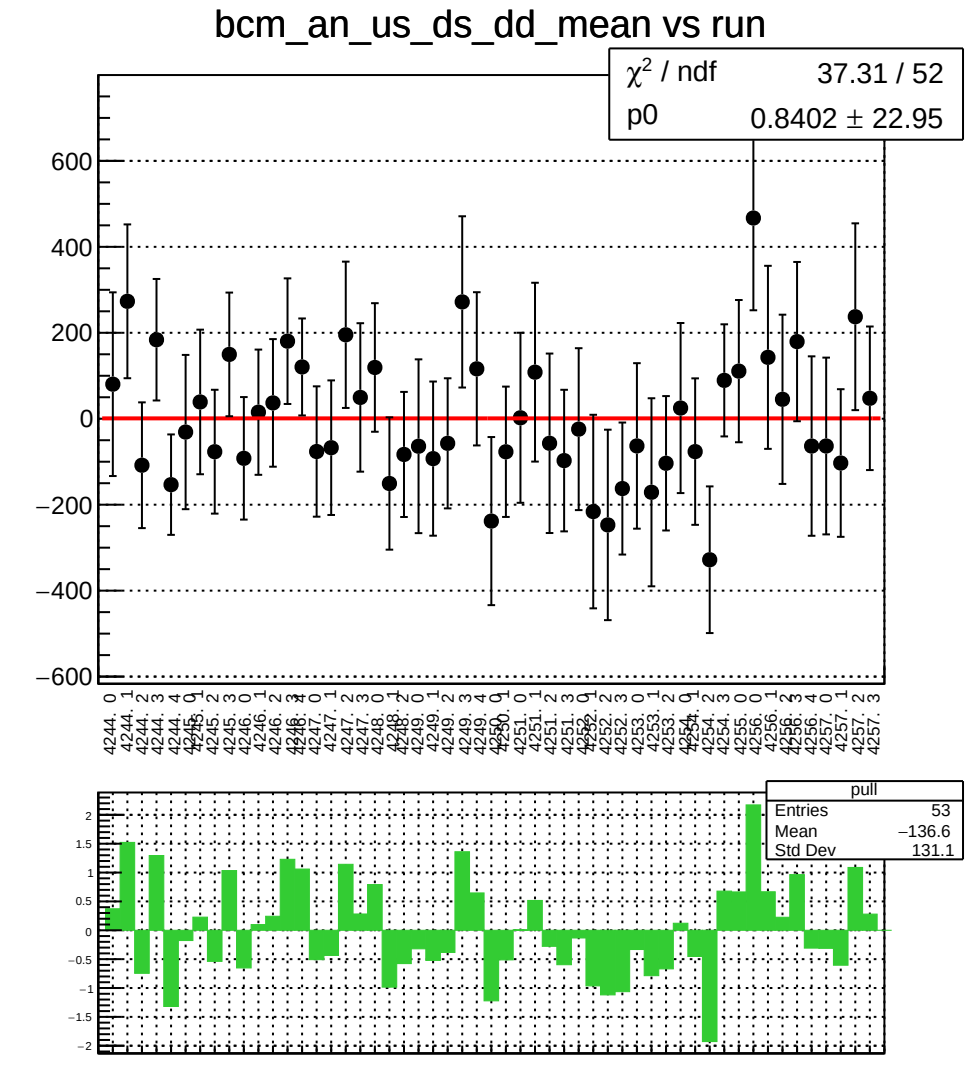
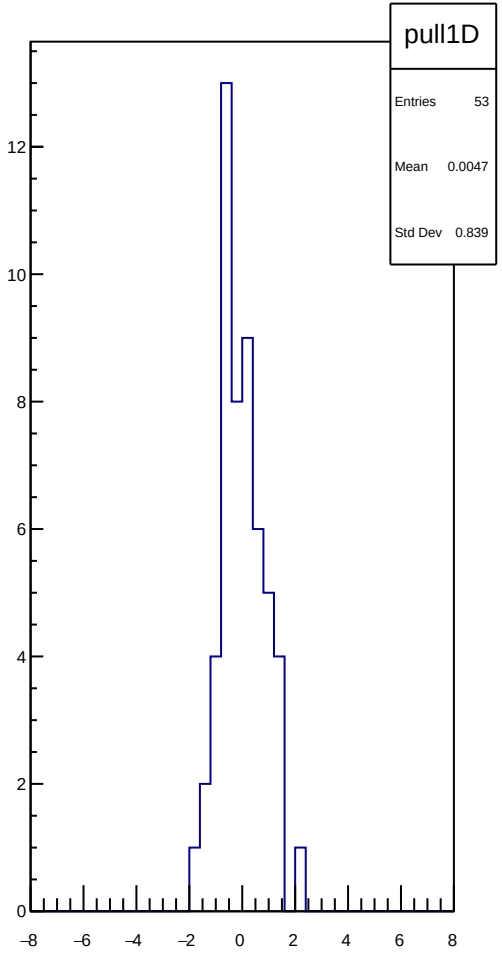
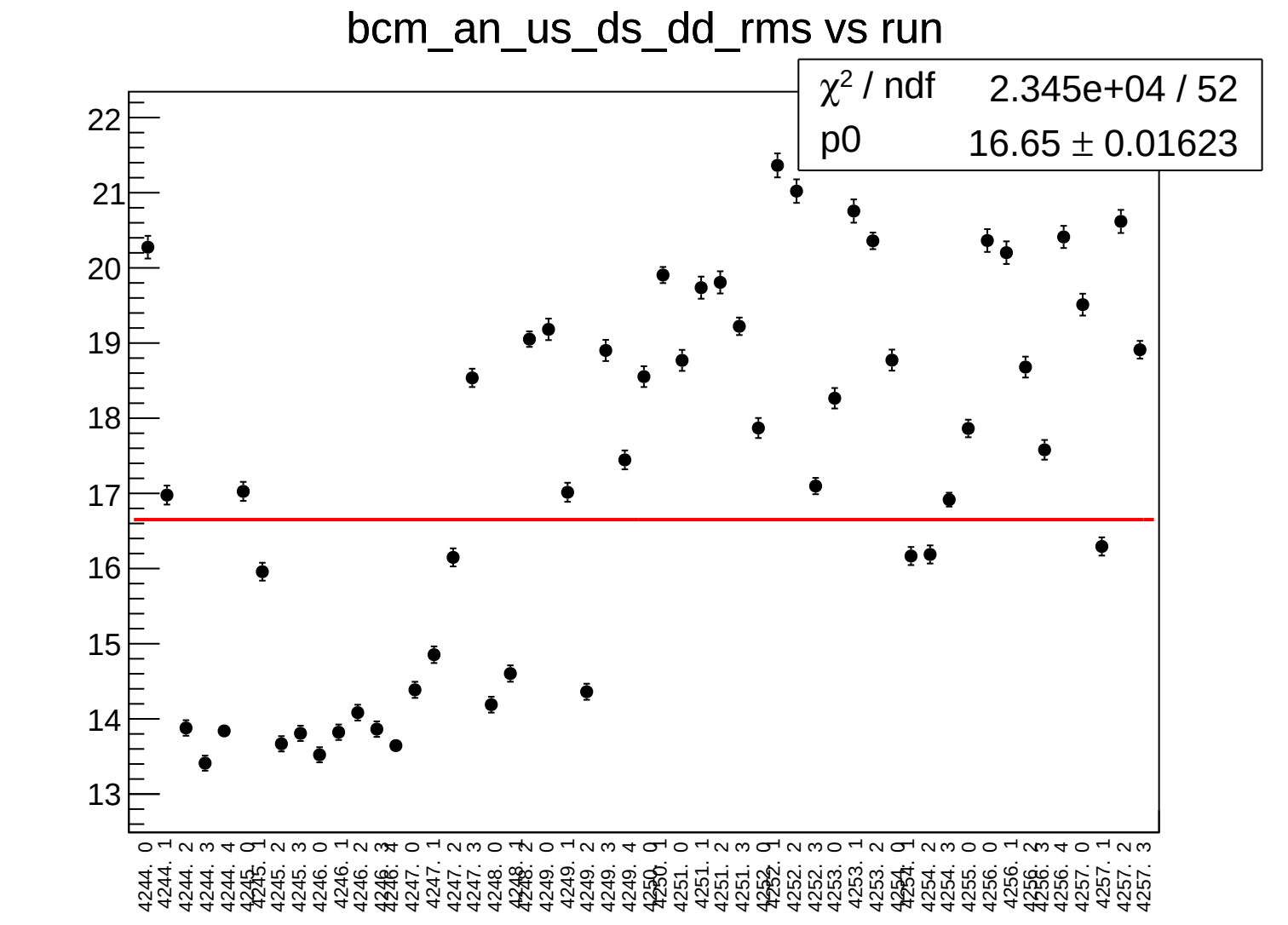
4257. 2
4257. 3


bcm_an_us_ds_dd_mean vs run
χ² / ndf 37.31 / 52
p0 0.8402 ± 22.95
pull
Entries 53
Mean −136.6
Std Dev 131.1


pull1D
Entries 53
Mean 0.0047
Std Dev 0.839


bcm_an_us_ds_dd_rms vs run
χ² / ndf 2.345e+04 / 52
p0 16.65 ± 0.01623
22
21
20
19
18
17
16
15
14
13
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
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4251. 3
4252. 1
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4252. 3
4253. 0
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4253. 2
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4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
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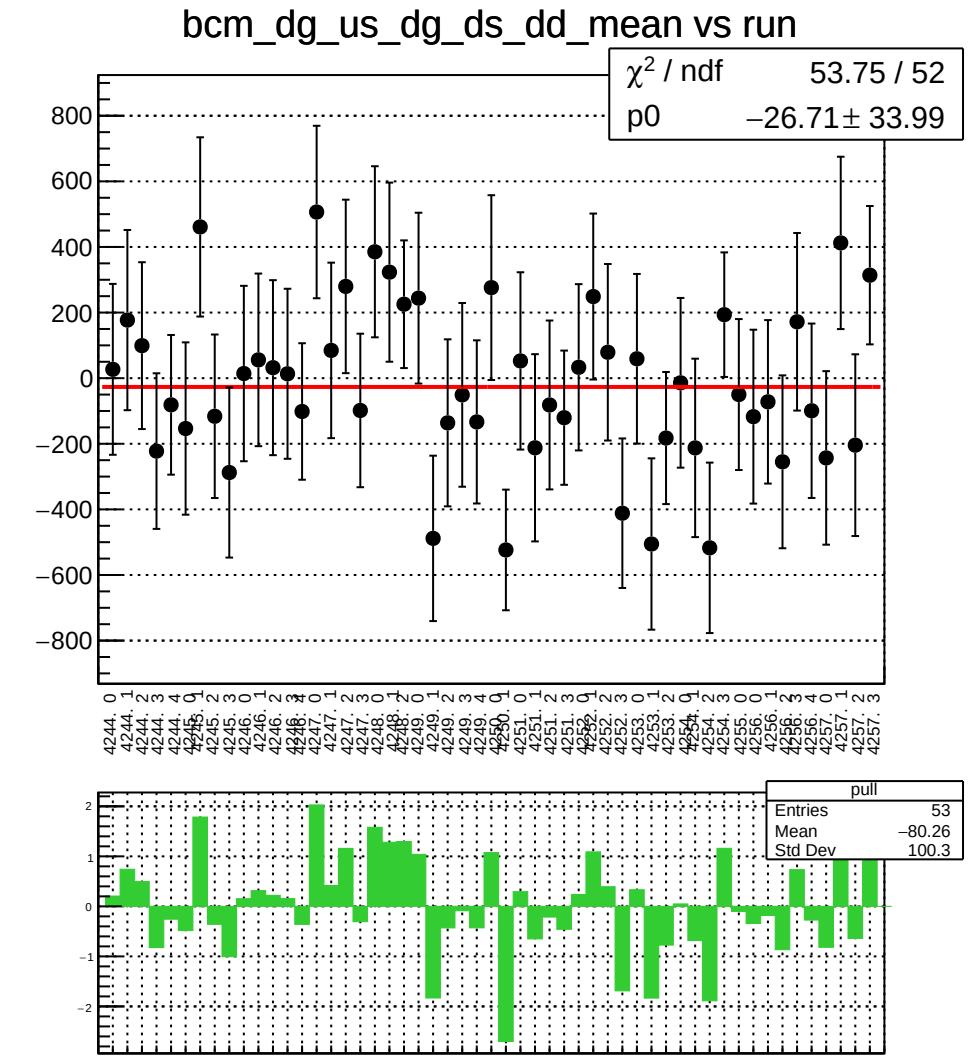
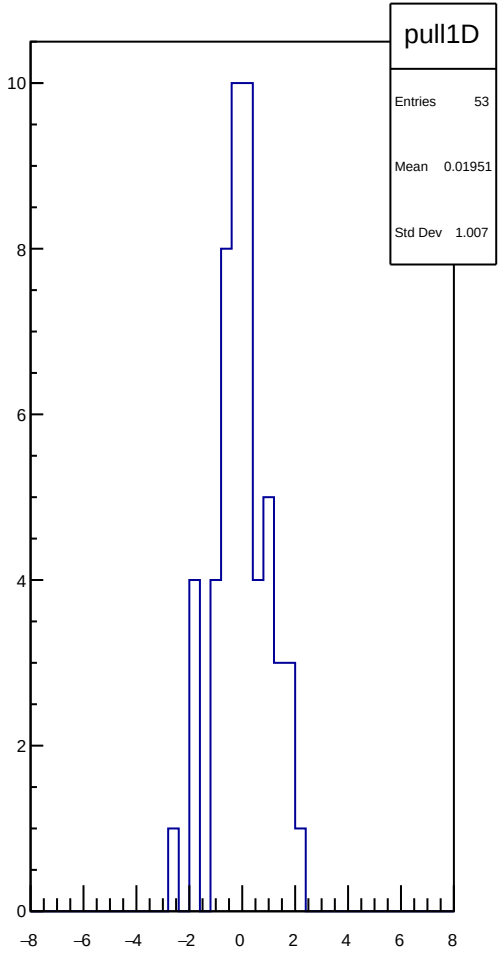
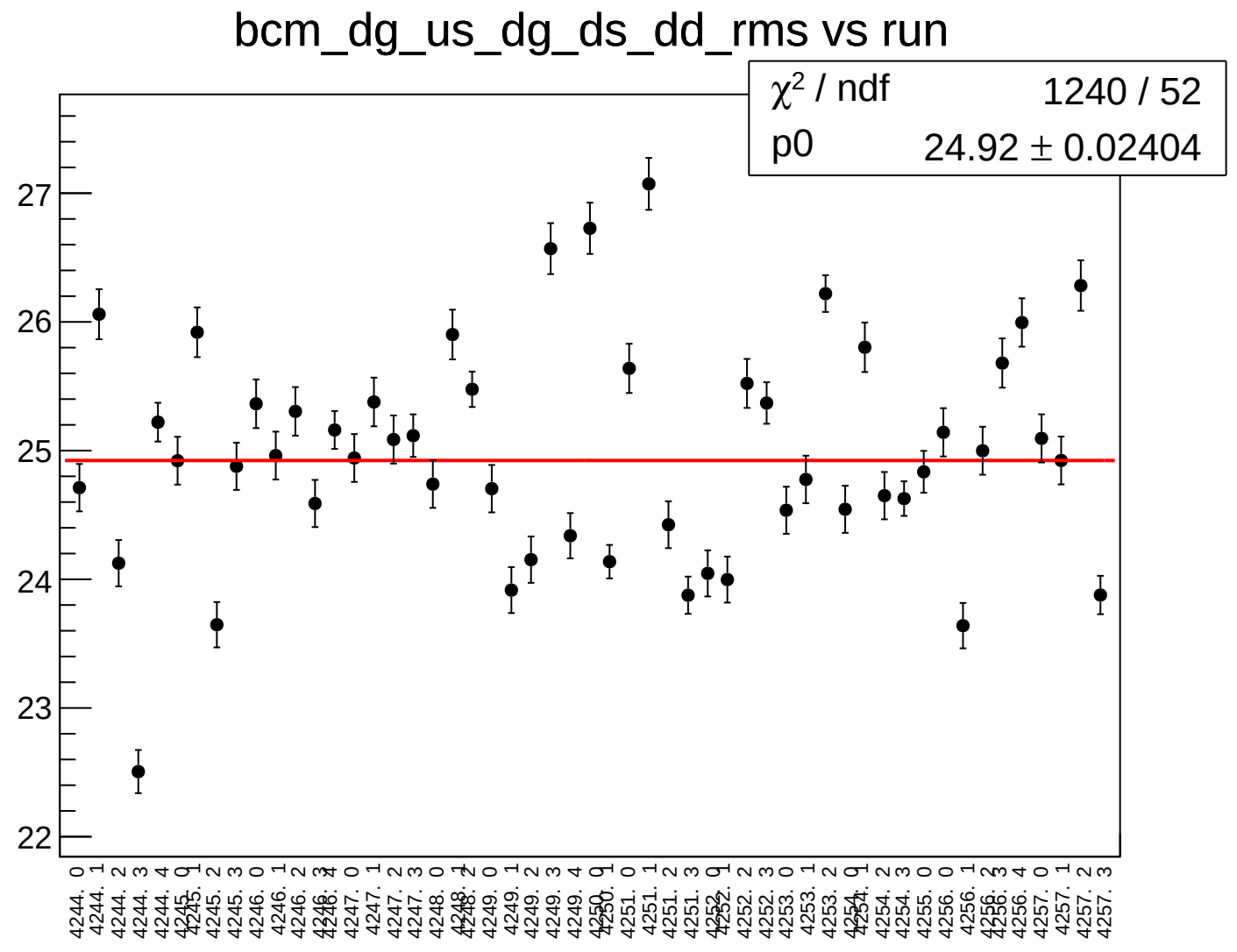
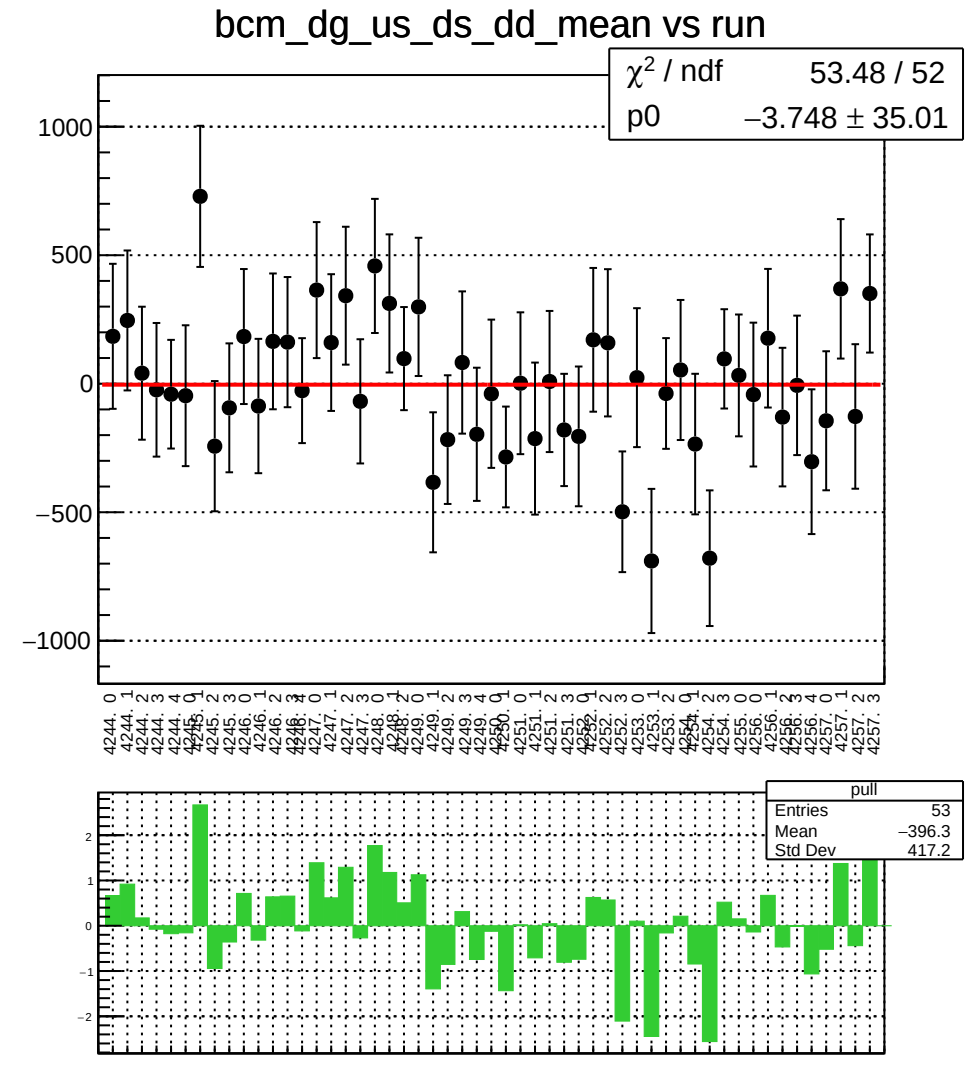
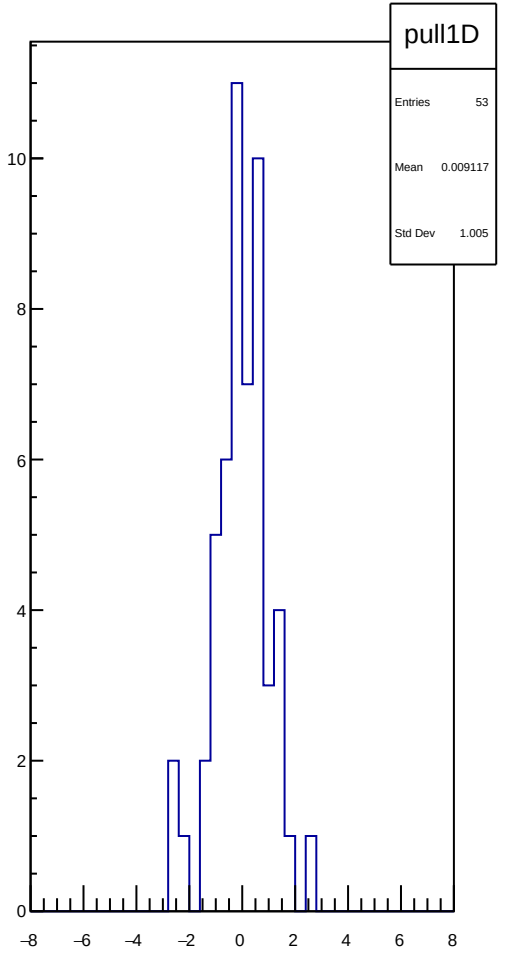
4257. 2
4257. 3

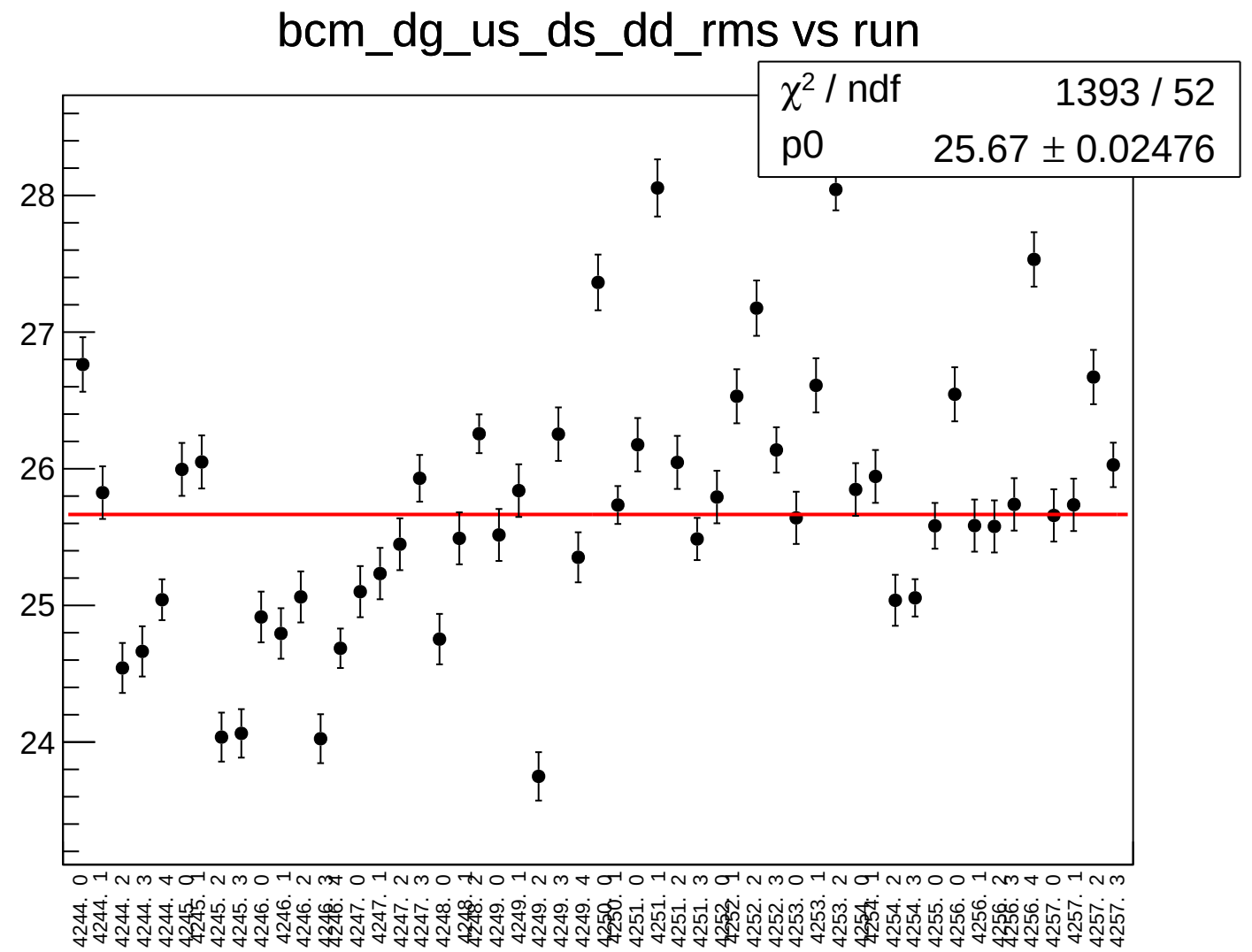

bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 53.75 / 52
p0 −26.71 ± 33.99
pull
Entries 53
Mean −80.26
Std Dev 100.3

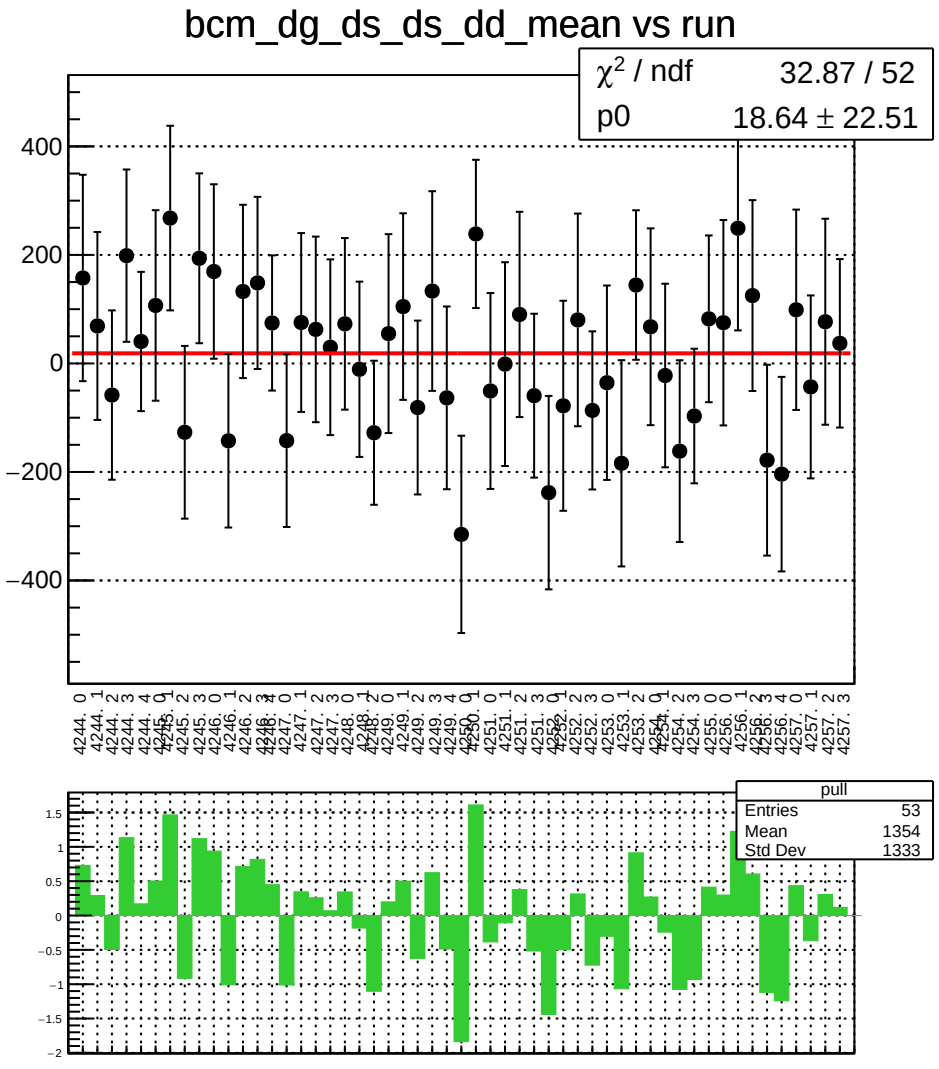

pull1D
Entries 53
Mean 0.01951
Std Dev 1.007

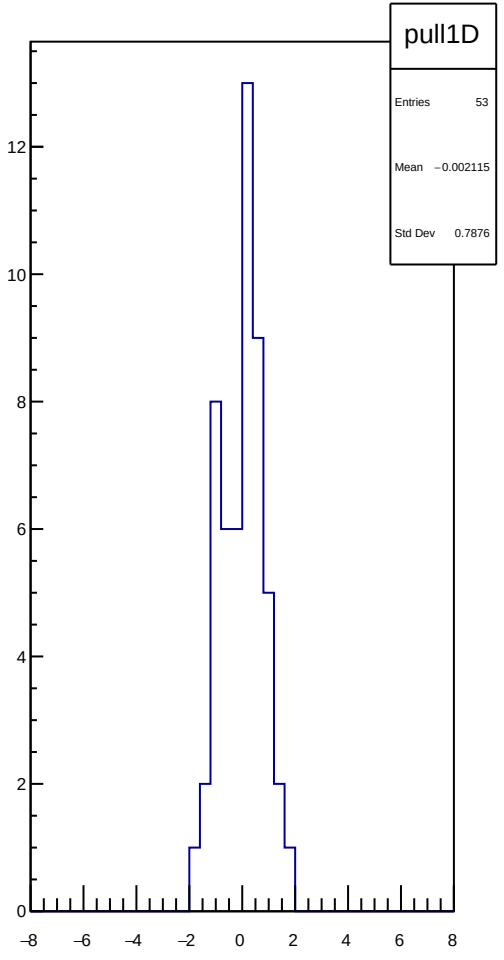

bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1240 / 52
p0 24.92 ± 0.02404
27
26
25
24
23
22
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

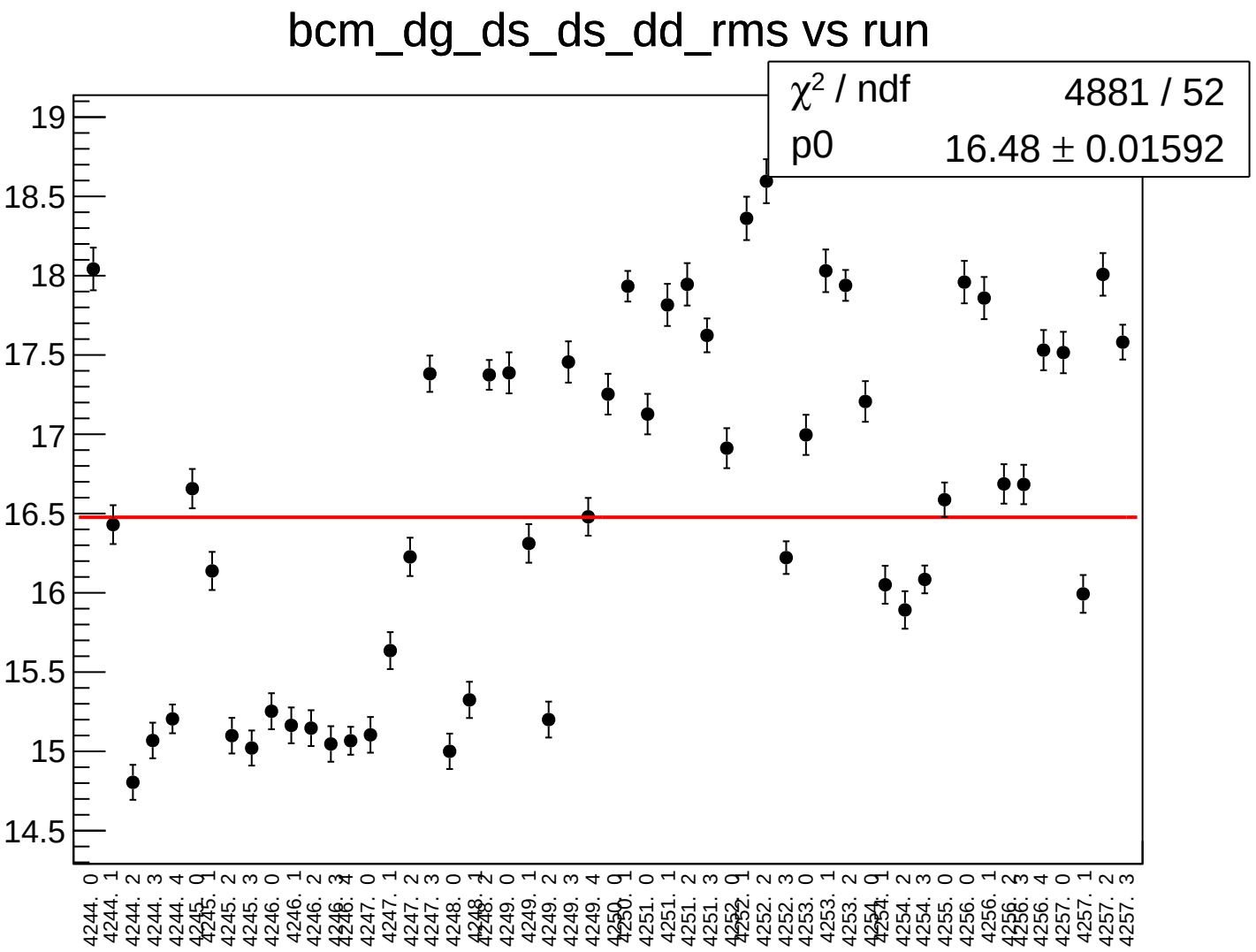

bcm_dg_us_ds_dd_mean vs run
χ² / ndf 53.48 / 52
p0 −3.748 ± 35.01
1000
500
0
−500
−1000
pull
Entries 53
Mean −396.3
Std Dev 417.2
2
1
0
−1
−2

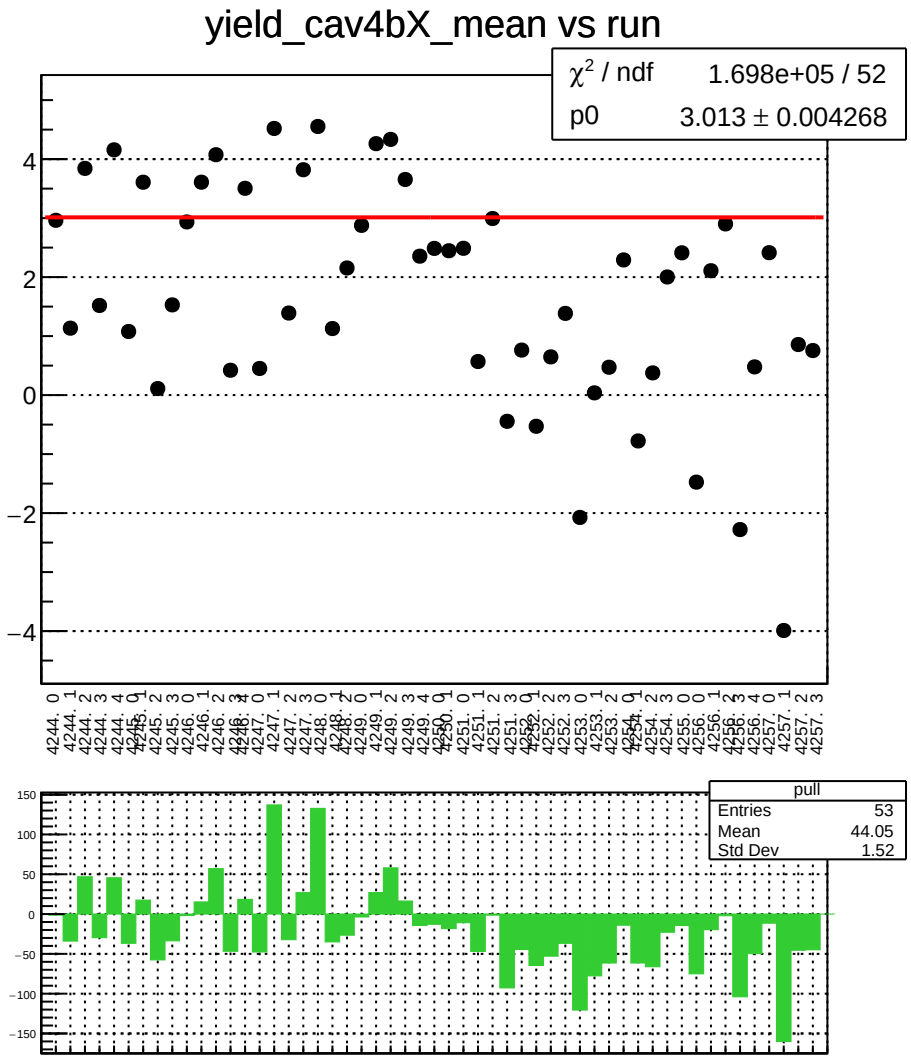

pull1D
Entries 53
Mean 0.009117
Std Dev 1.005
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

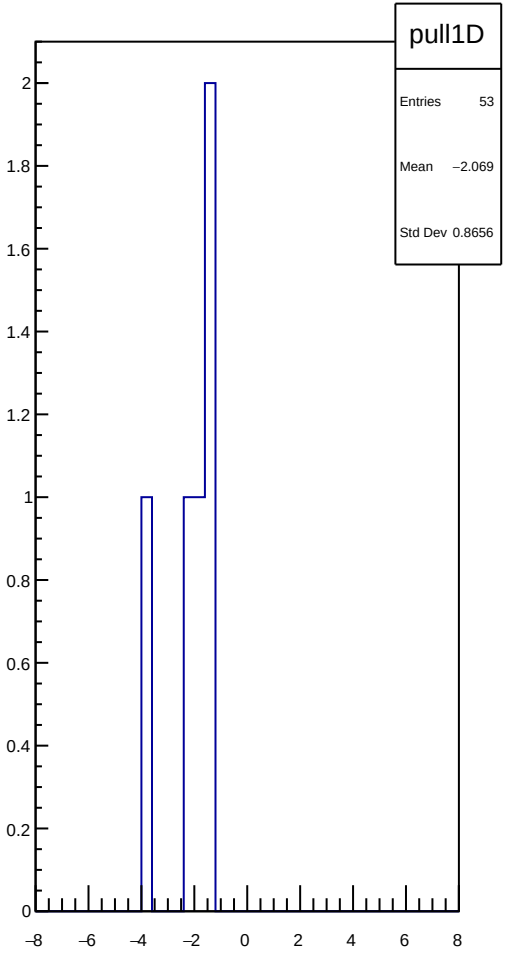

bcm_dg_us_ds_dd_rms vs run
χ² / ndf 1393 / 52
p0 25.67 ± 0.02476
28
27
26
25
24
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

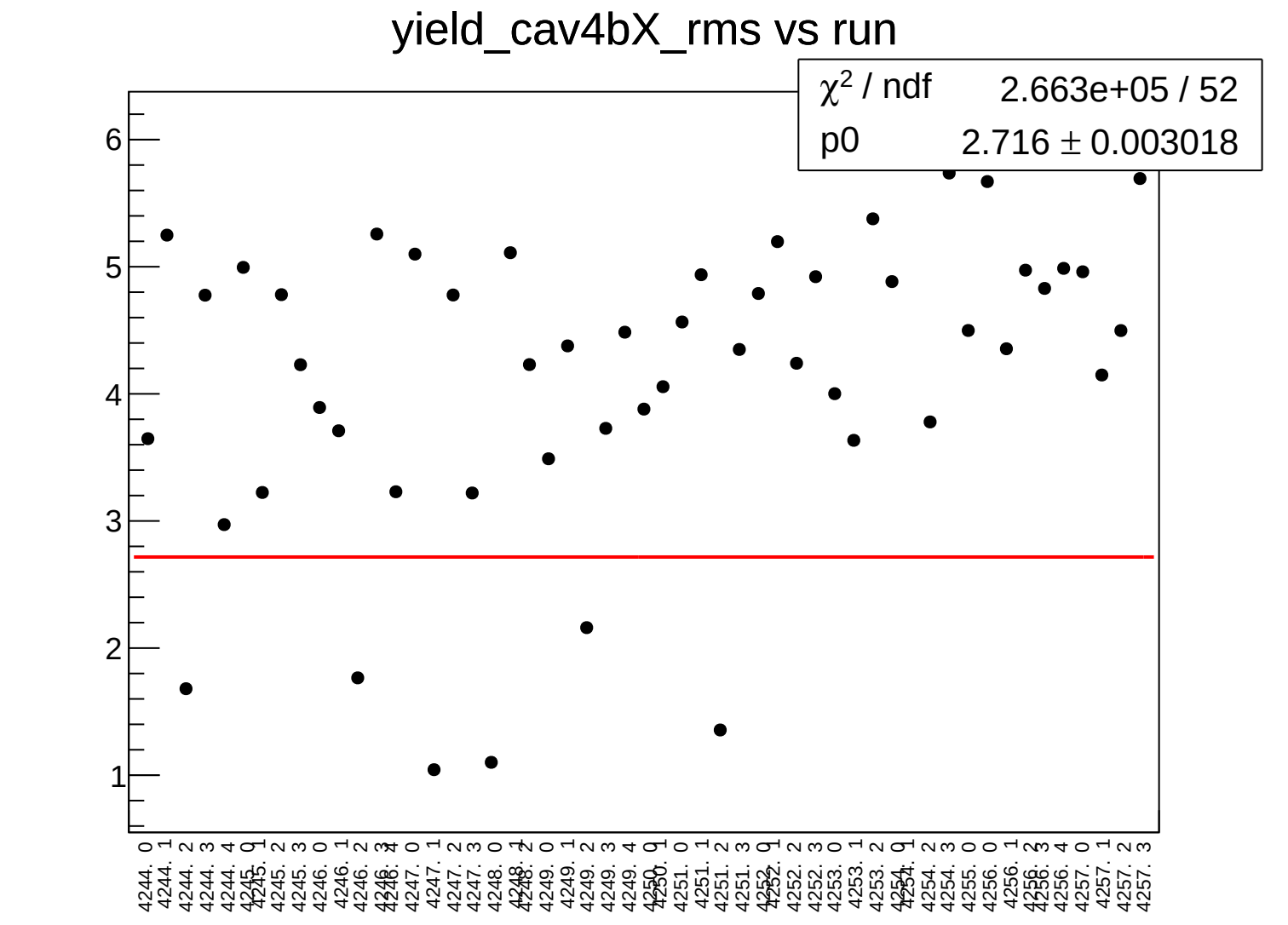

bcm_dg_ds_ds_dd_mean vs run
χ^2 / ndf 32.87 / 52
p0 18.64 ± 22.51
400
200
0
−200
−400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3
pull
Entries 53
Mean 1354
Std Dev 1333
1.5
1
0.5
0
−0.5
−1
−1.5
−2

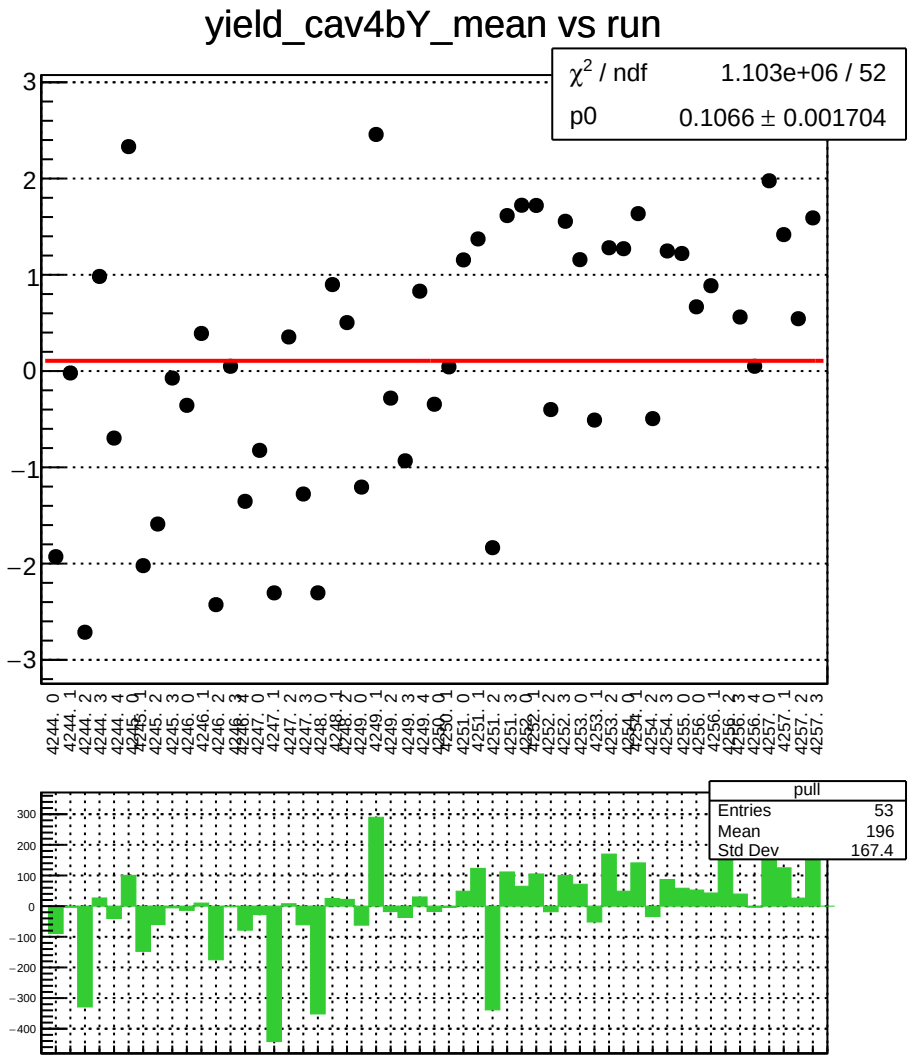

pull1D
Entries 53
Mean −0.002115
Std Dev 0.7876
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

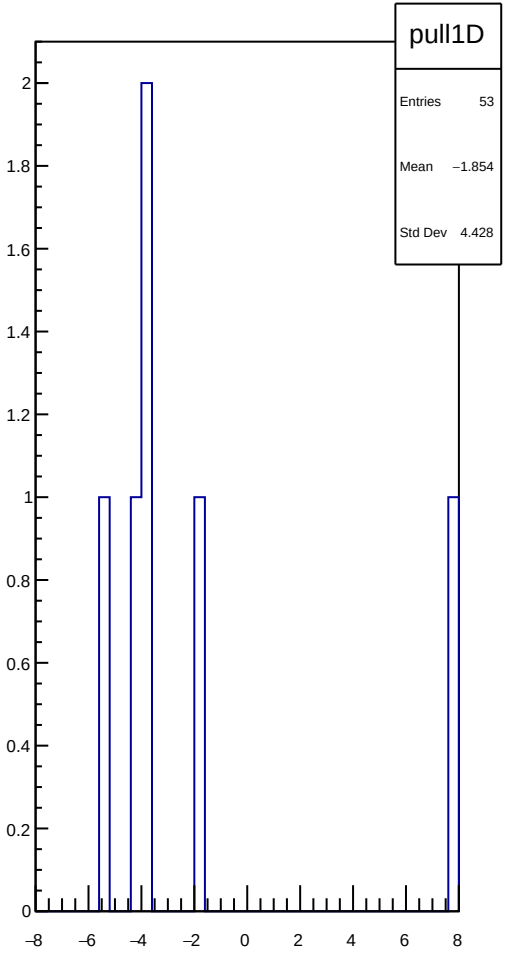

bcm_dg_ds_ds_dd_rms vs run
χ² / ndf 4881 / 52
p0 16.48 ± 0.01592
19
18.5
18
17.5
17
16.5
16
15.5
15
14.5
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

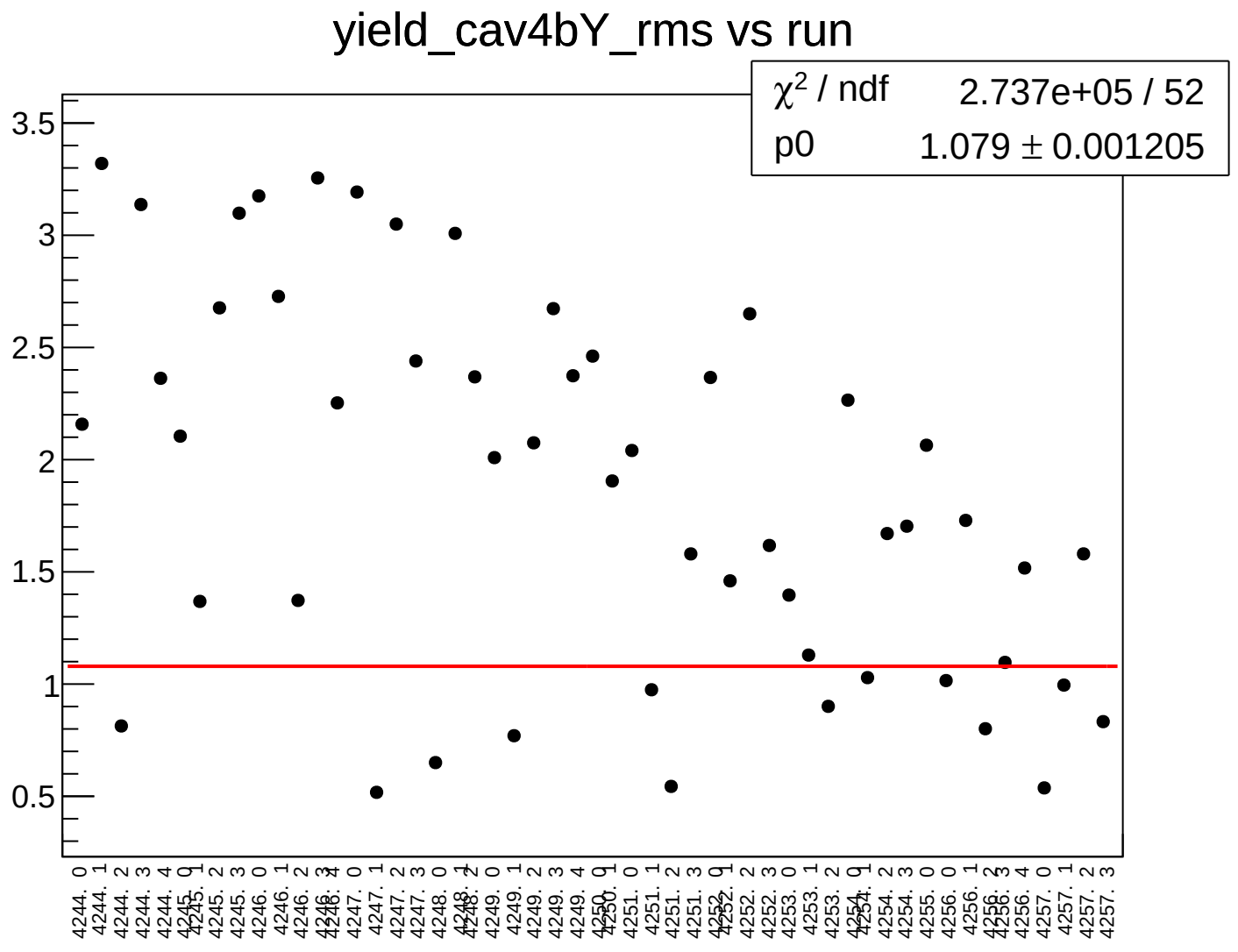

yield_cav4bX_mean vs run
χ² / ndf 1.698e+05 / 52
p0 3.013 ± 0.004268
pull
Entries 53
Mean 44.05
Std Dev 1.52

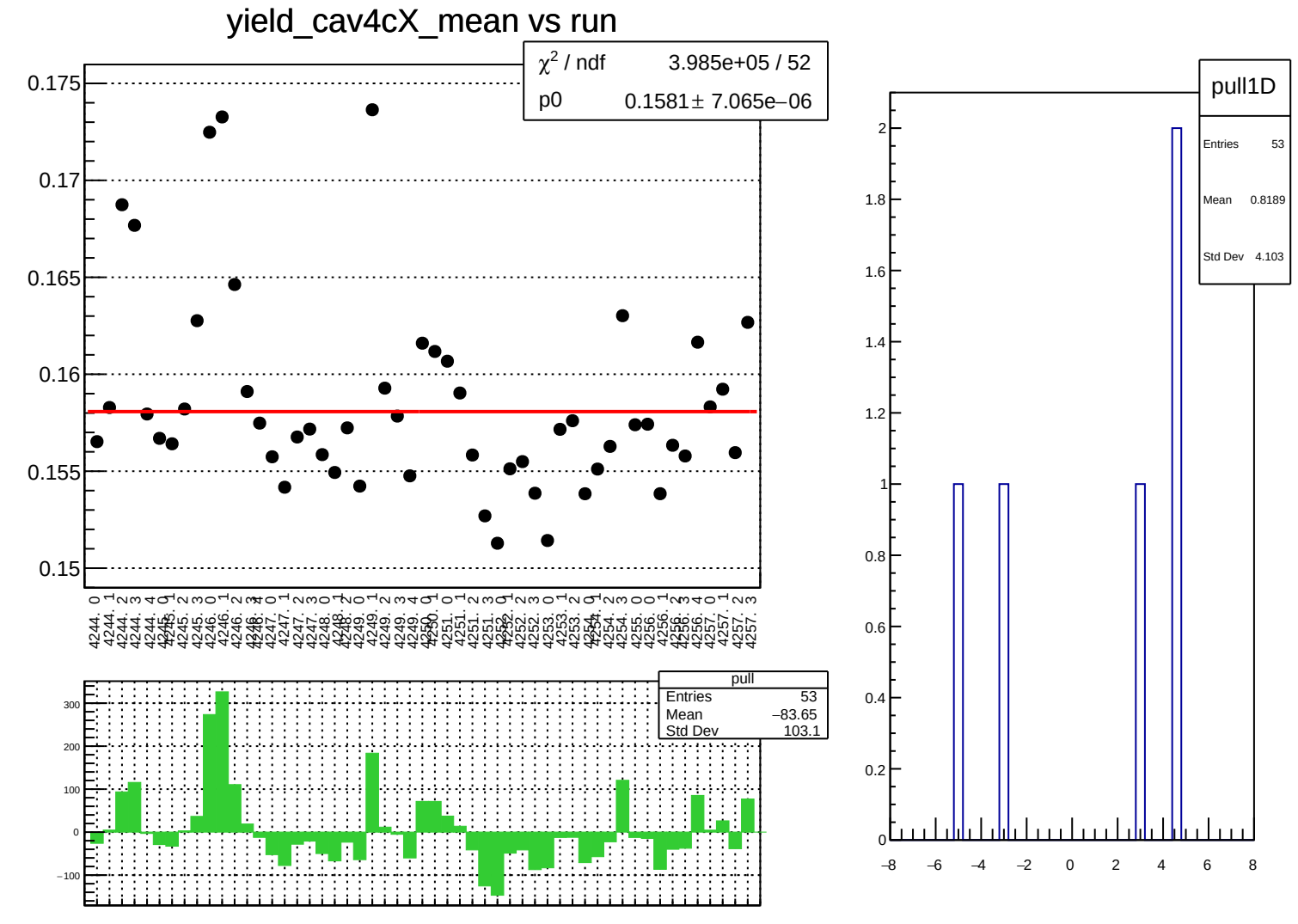

pull1D
Entries 53
Mean −2.069
Std Dev 0.8656

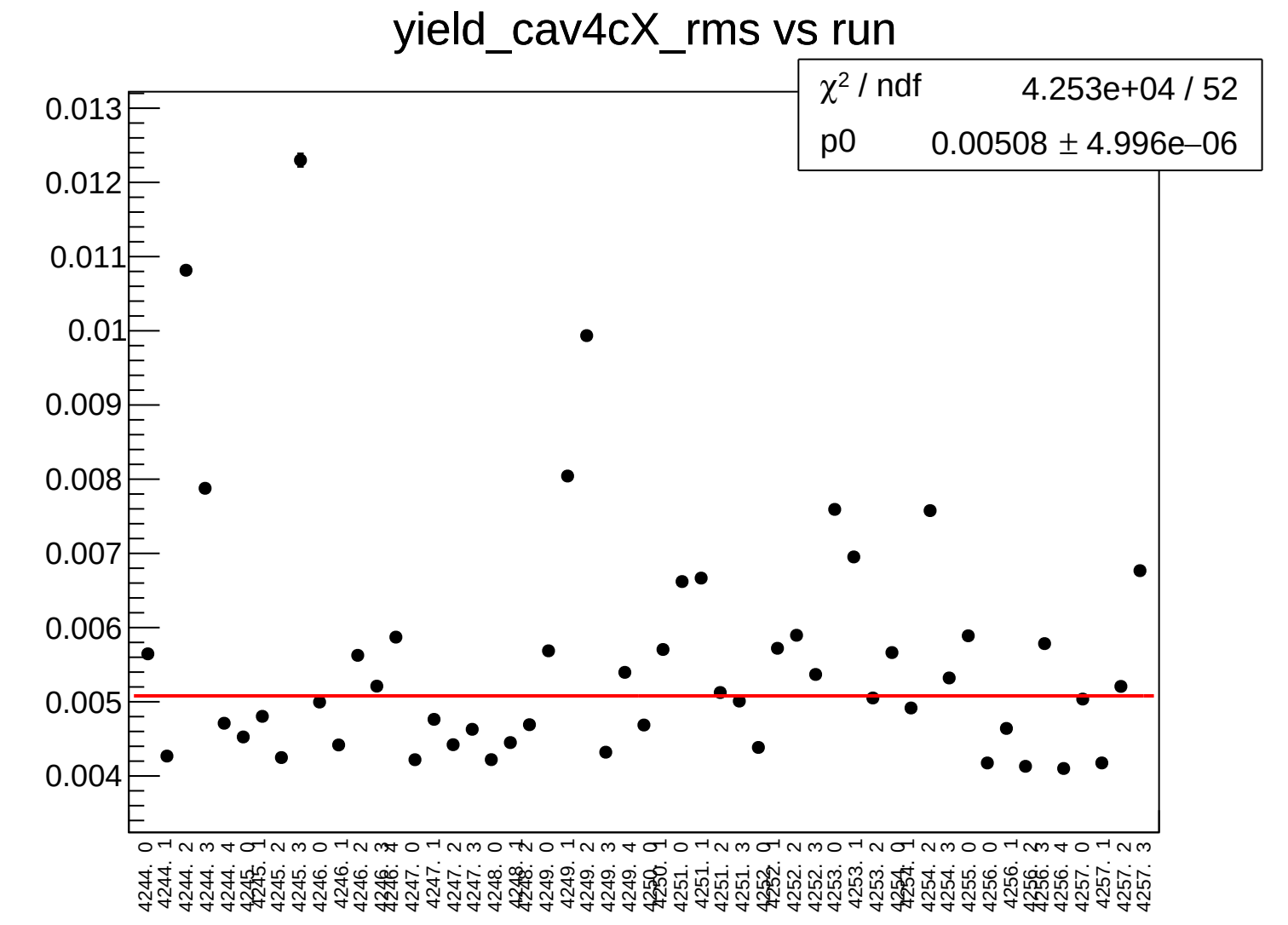

yield_cav4bX_rms vs run
χ^2 / ndf 2.663e+05 / 52
p0 2.716 ± 0.003018
6
5
4
3
2
1
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

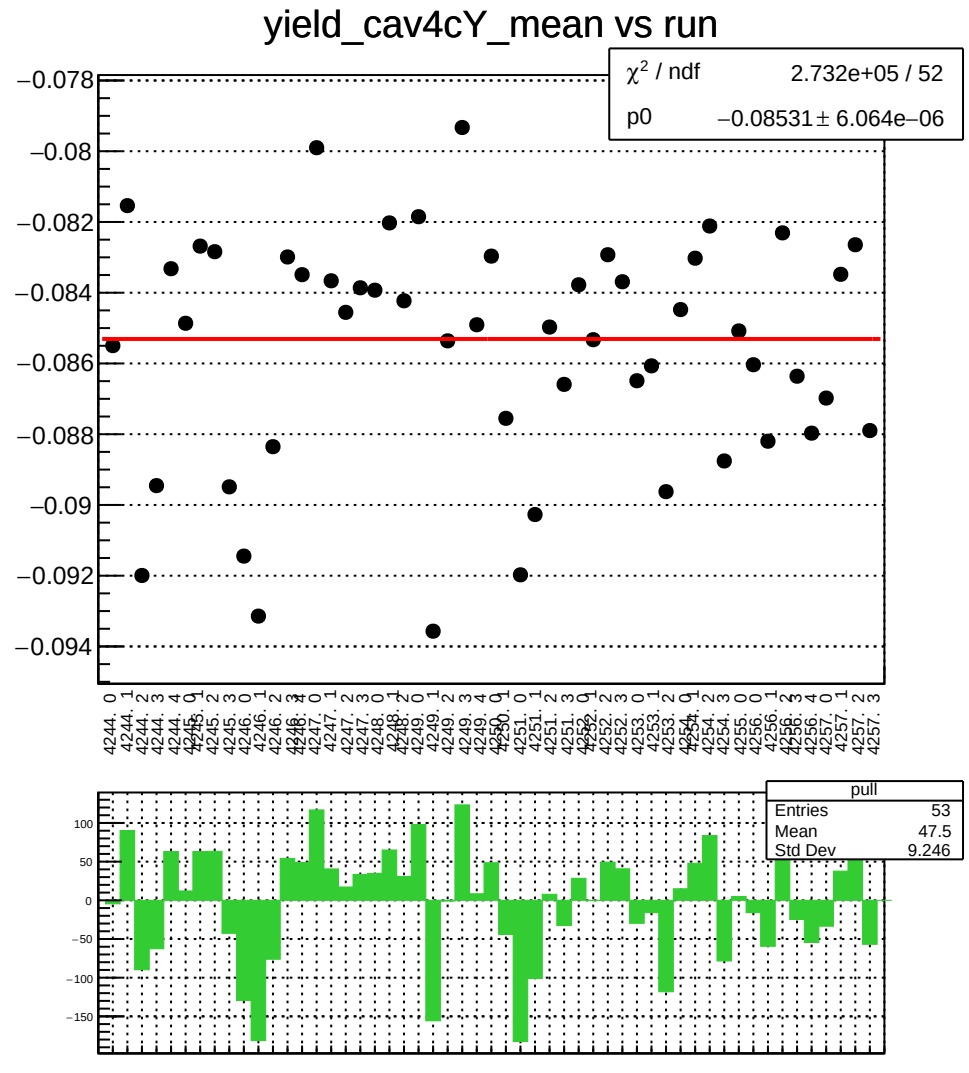

yield_cav4bY_mean vs run
χ² / ndf 1.103e+06 / 52
p0 0.1066 ± 0.001704
pull
Entries 53
Mean 196
Std Dev 167.4

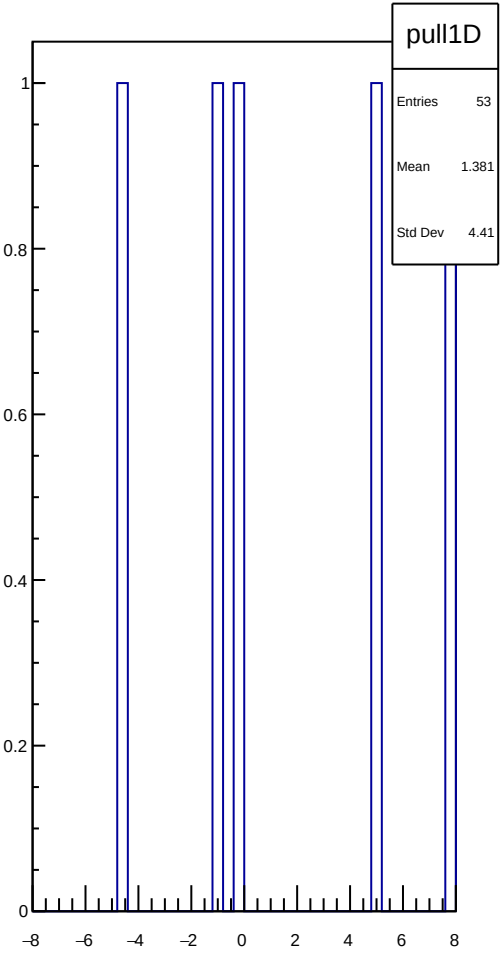

pull1D
Entries 53
Mean −1.854
Std Dev 4.428

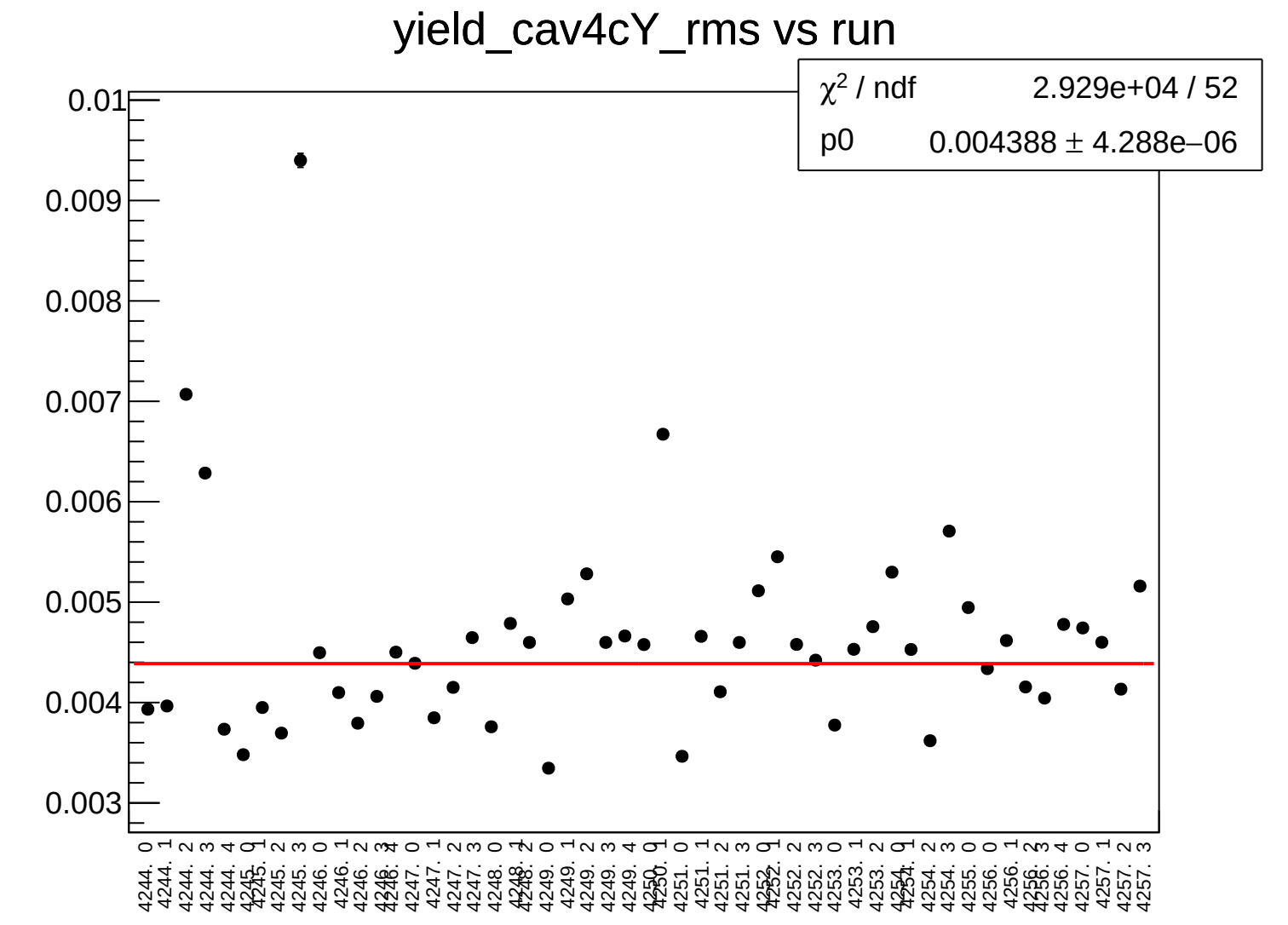

yield_cav4bY_rms vs run
χ² / ndf 2.737e+05 / 52
p0 1.079 ± 0.001205
3.5
3
2.5
2
1.5
1
0.5
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

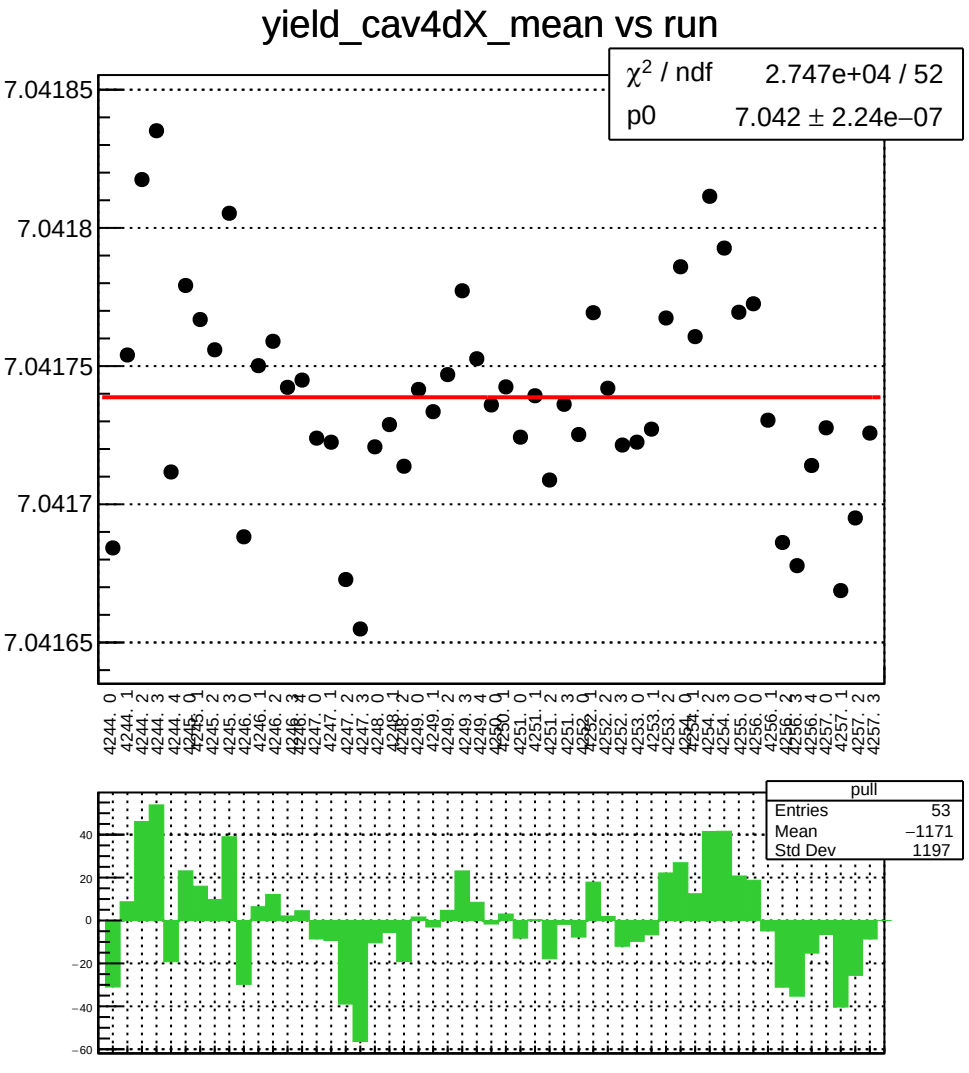

yield_cav4cX_mean vs run
χ² / ndf 3.985e+05 / 52
p0 0.1581 ± 7.065e−06
0.175
0.17
0.165
0.16
0.155
0.15
pull
Entries 53
Mean −83.65
Std Dev 103.1
300
200
100
0
−100
pull1D
Entries 53
Mean 0.8189
Std Dev 4.103
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

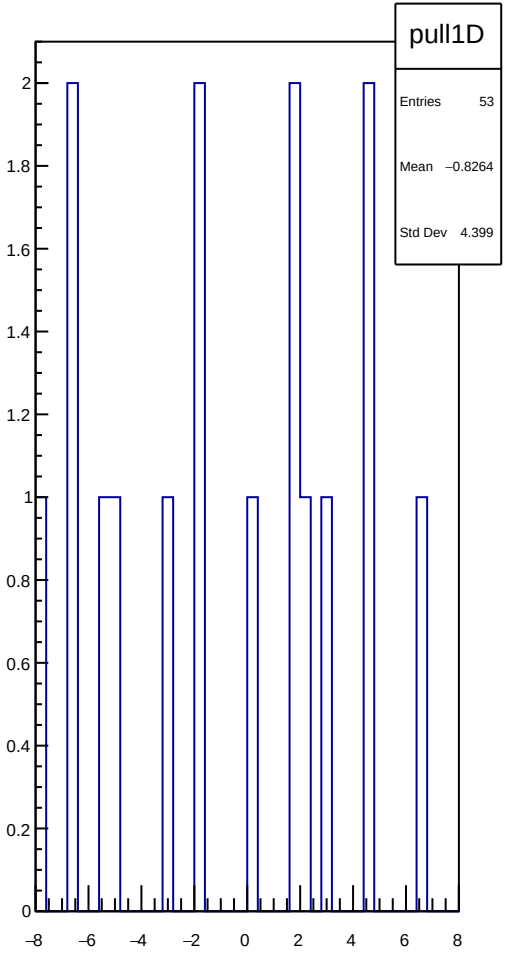

yield_cav4cX_rms vs run
χ² / ndf 4.253e+04 / 52
p0 0.00508 ± 4.996e–06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004

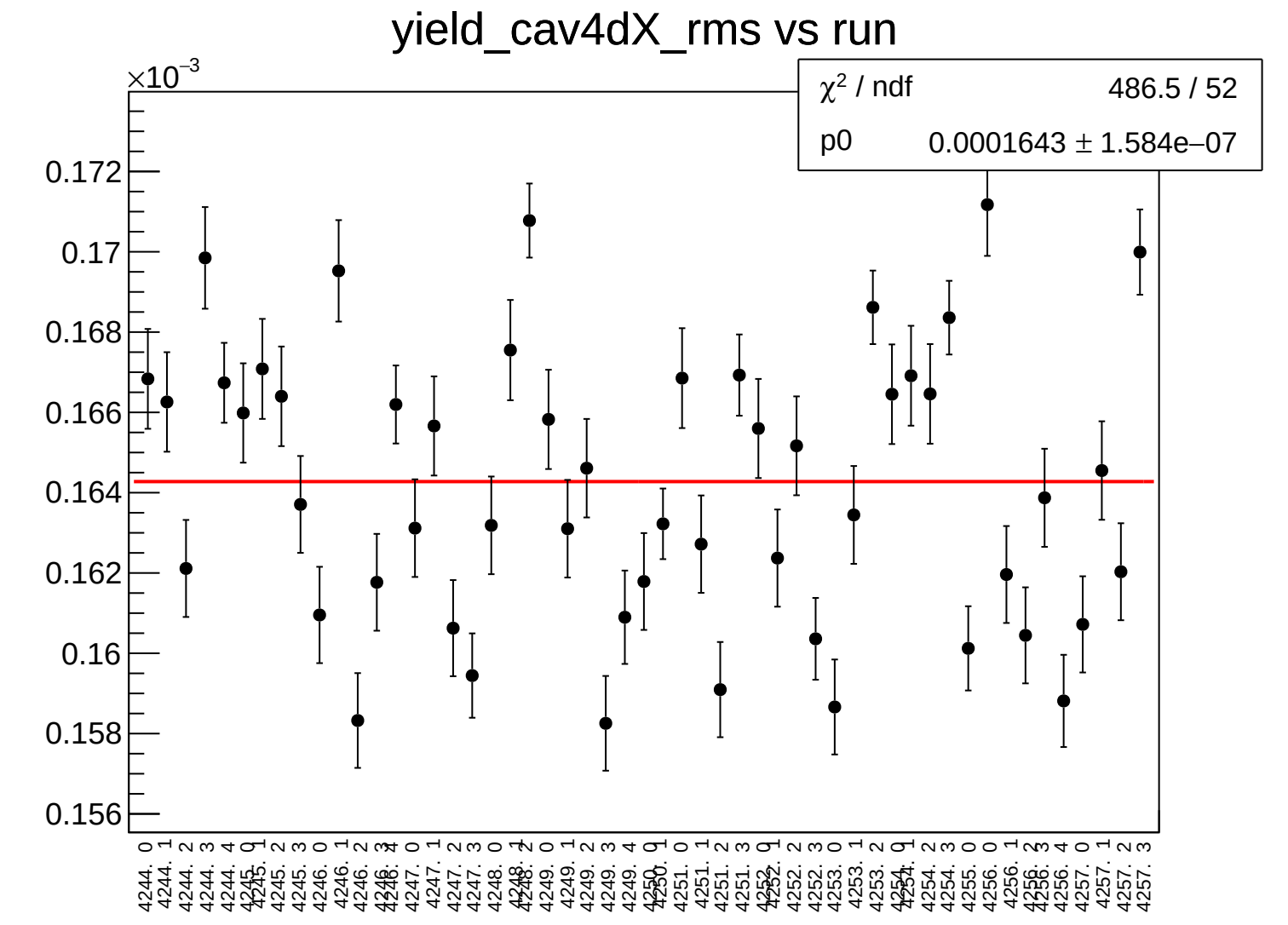

yield_cav4cY_mean vs run
χ² / ndf 2.732e+05 / 52
p0 −0.08531 ± 6.064e−06
−0.078
−0.08
−0.082
−0.084
−0.086
−0.088
−0.09
−0.092
−0.094
pull
Entries 53
Mean 47.5
Std Dev 9.246
100
50
0
−50
−100
−150

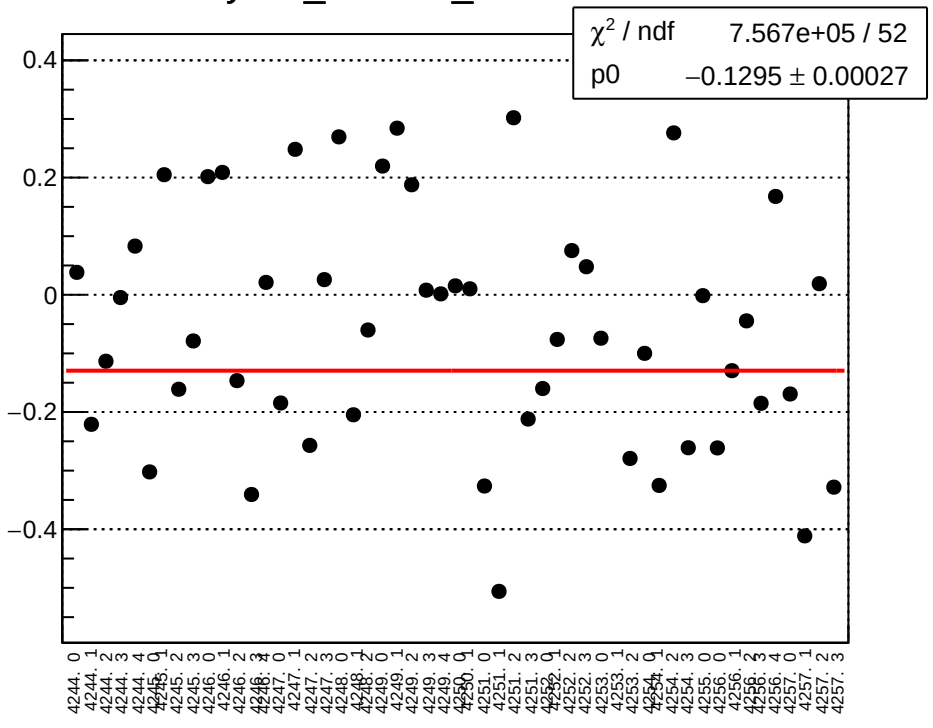

pull1D
Entries 53
Mean 1.381
Std Dev 4.41
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

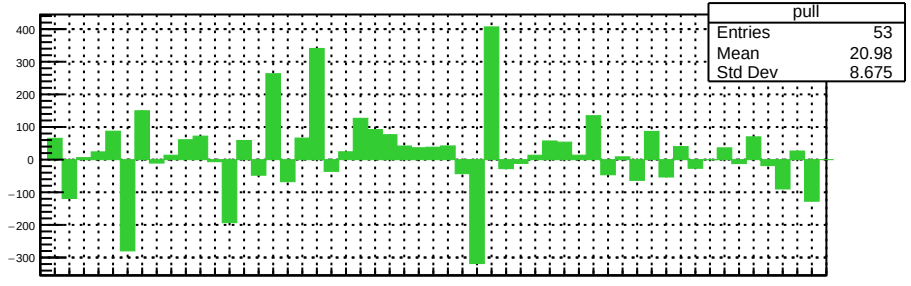

yield_cav4cY_rms vs run
χ² / ndf 2.929e+04 / 52
p0 0.004388 ± 4.288e−06
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

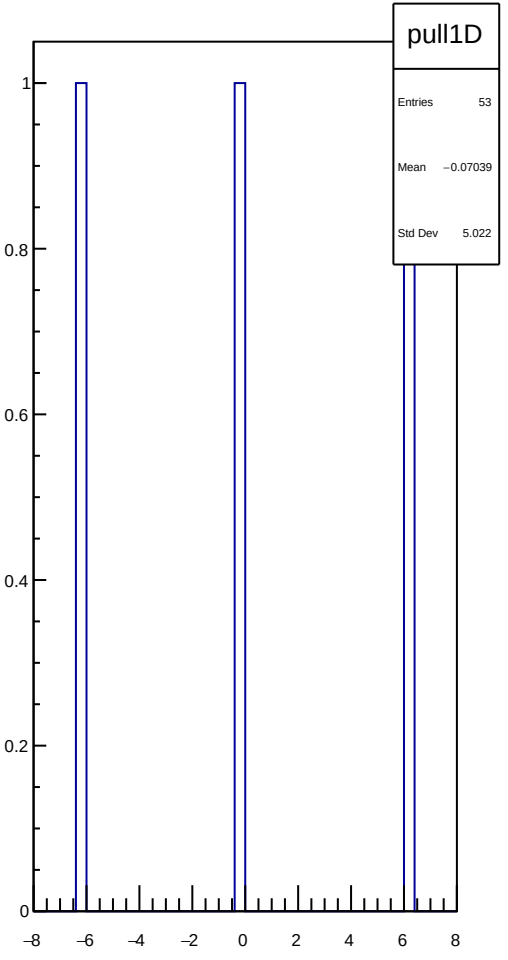

yield_cav4dX_mean vs run
χ² / ndf 2.747e+04 / 52
p0 7.042 ± 2.24e−07
7.04185
7.0418
7.04175
7.0417
7.04165
pull
Entries 53
Mean −1171
Std Dev 1197
40
20
0
−20
−40
−60

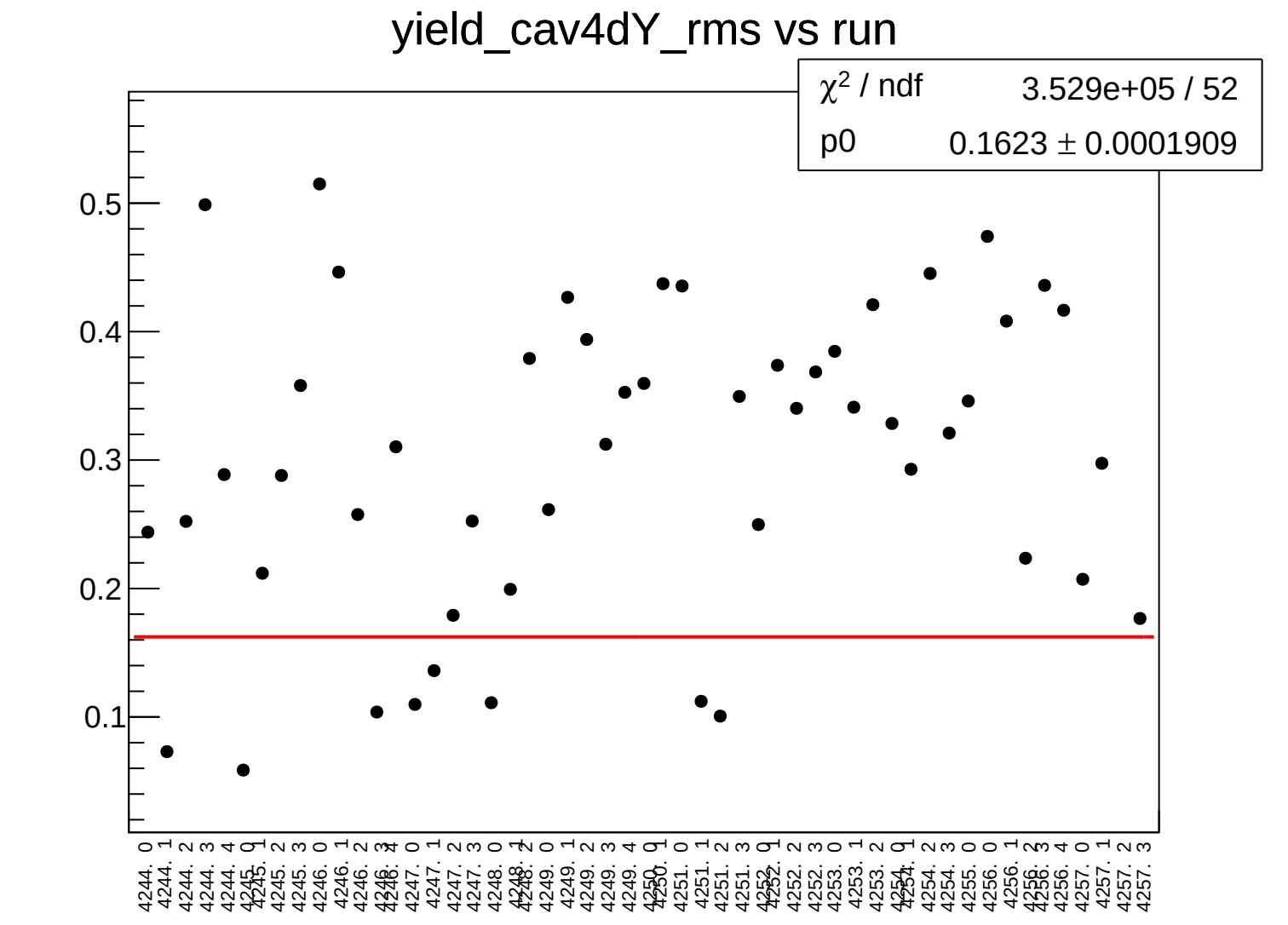

pull1D
Entries 53
Mean −0.8264
Std Dev 4.399
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

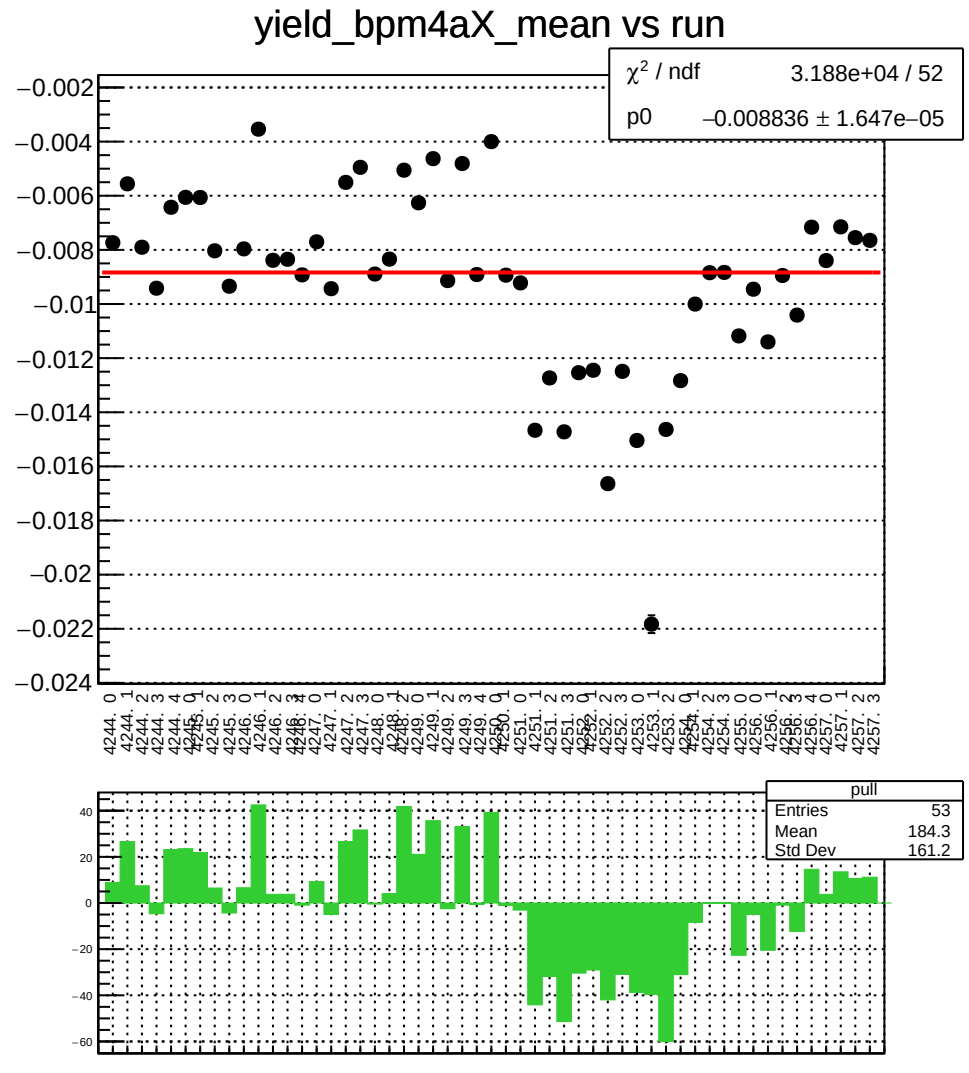

yield_cav4dX_rms vs run
×10⁻³
χ² / ndf 486.5 / 52
p0 0.0001643 ± 1.584e−07
0.172
0.17
0.168
0.166
0.164
0.162
0.16
0.158
0.156
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

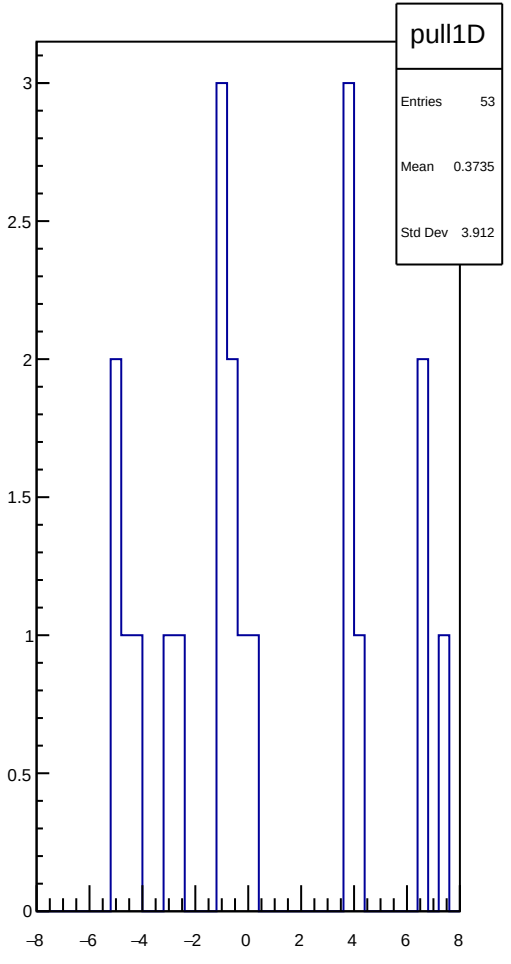

yield_cav4dY_mean vs run
χ² / ndf 7.567e+05 / 52
p0 −0.1295 ± 0.00027
0.4
0.2
0
−0.2
−0.4

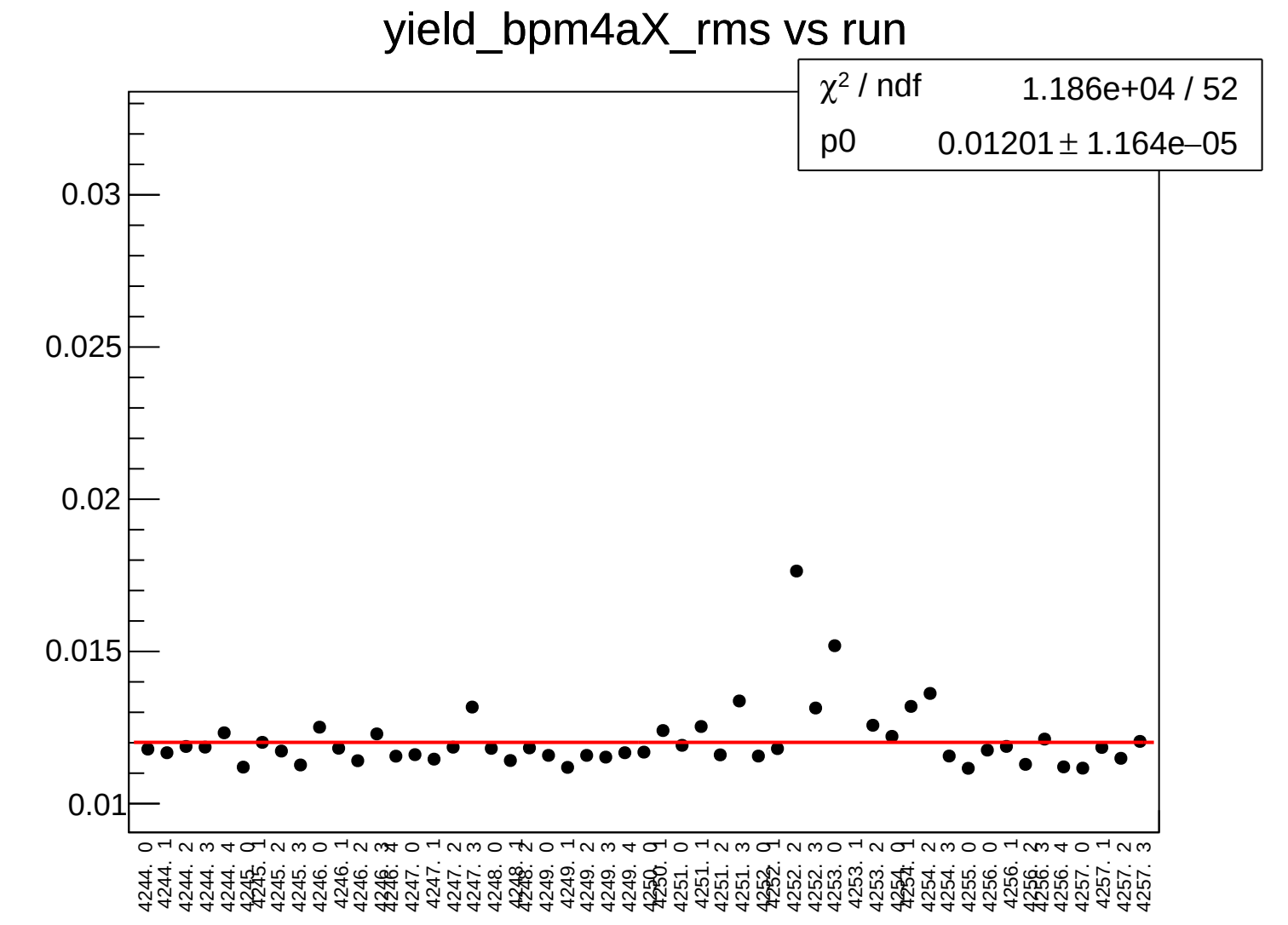

pull
Entries 53
Mean 20.98
Std Dev 8.675
400
300
200
100
0
−100
−200
−300

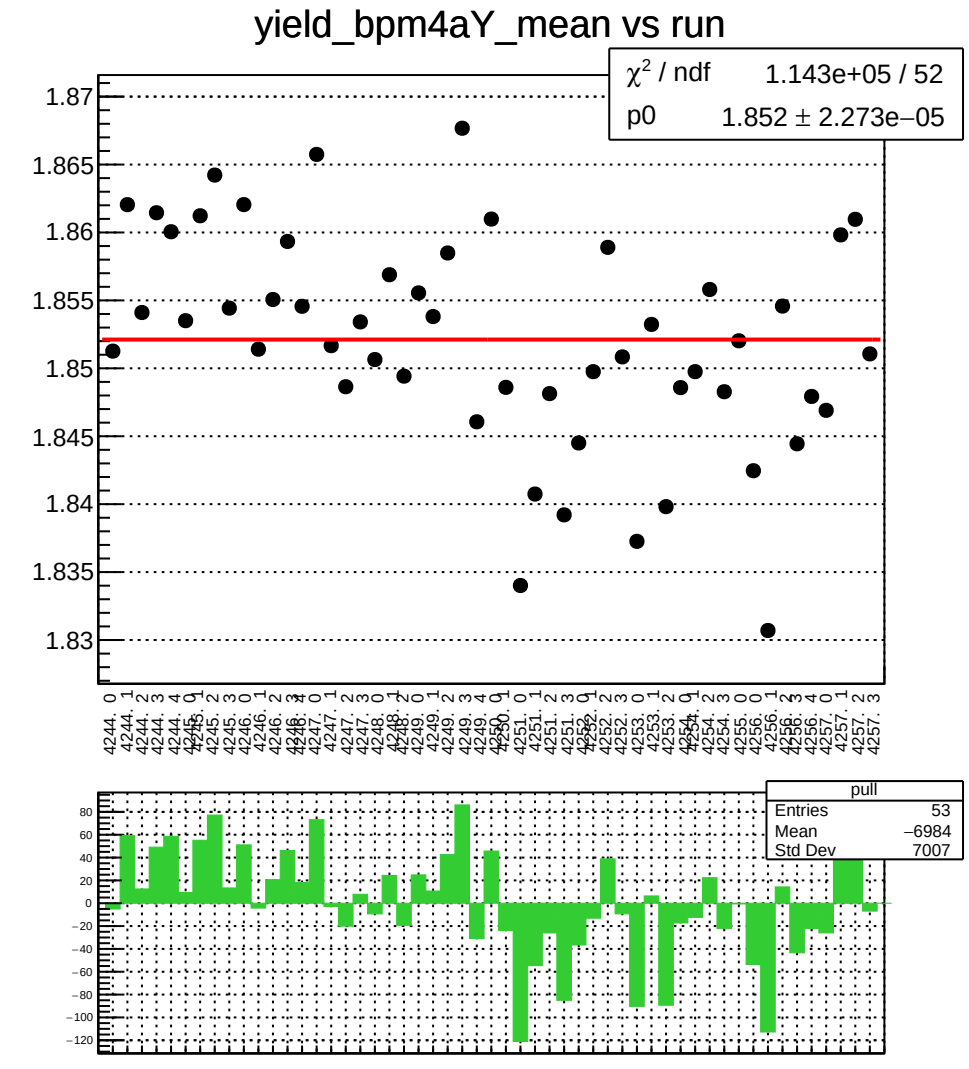

pull1D
Entries 53
Mean −0.07039
Std Dev 5.022
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

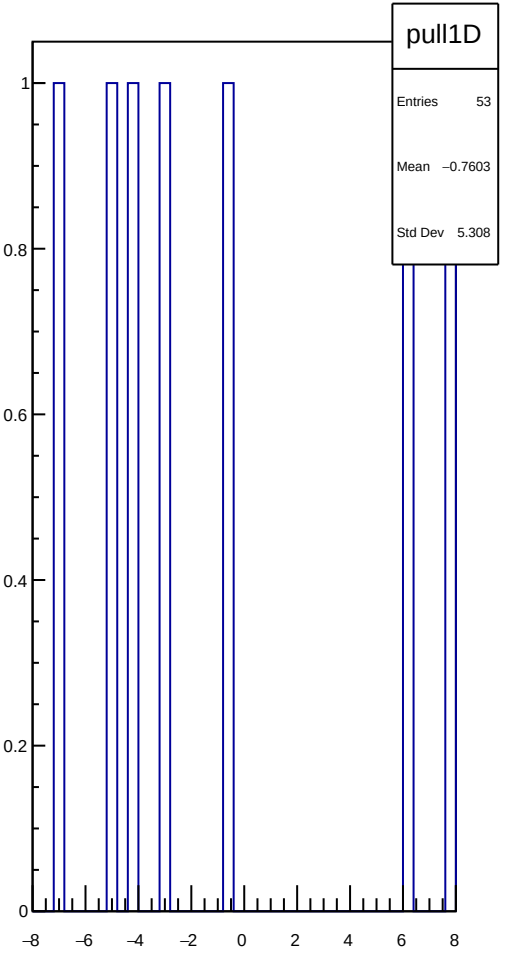

yield_cav4dY_rms vs run
χ² / ndf 3.529e+05 / 52
p0 0.1623 ± 0.0001909
0.5
0.4
0.3
0.2
0.1
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

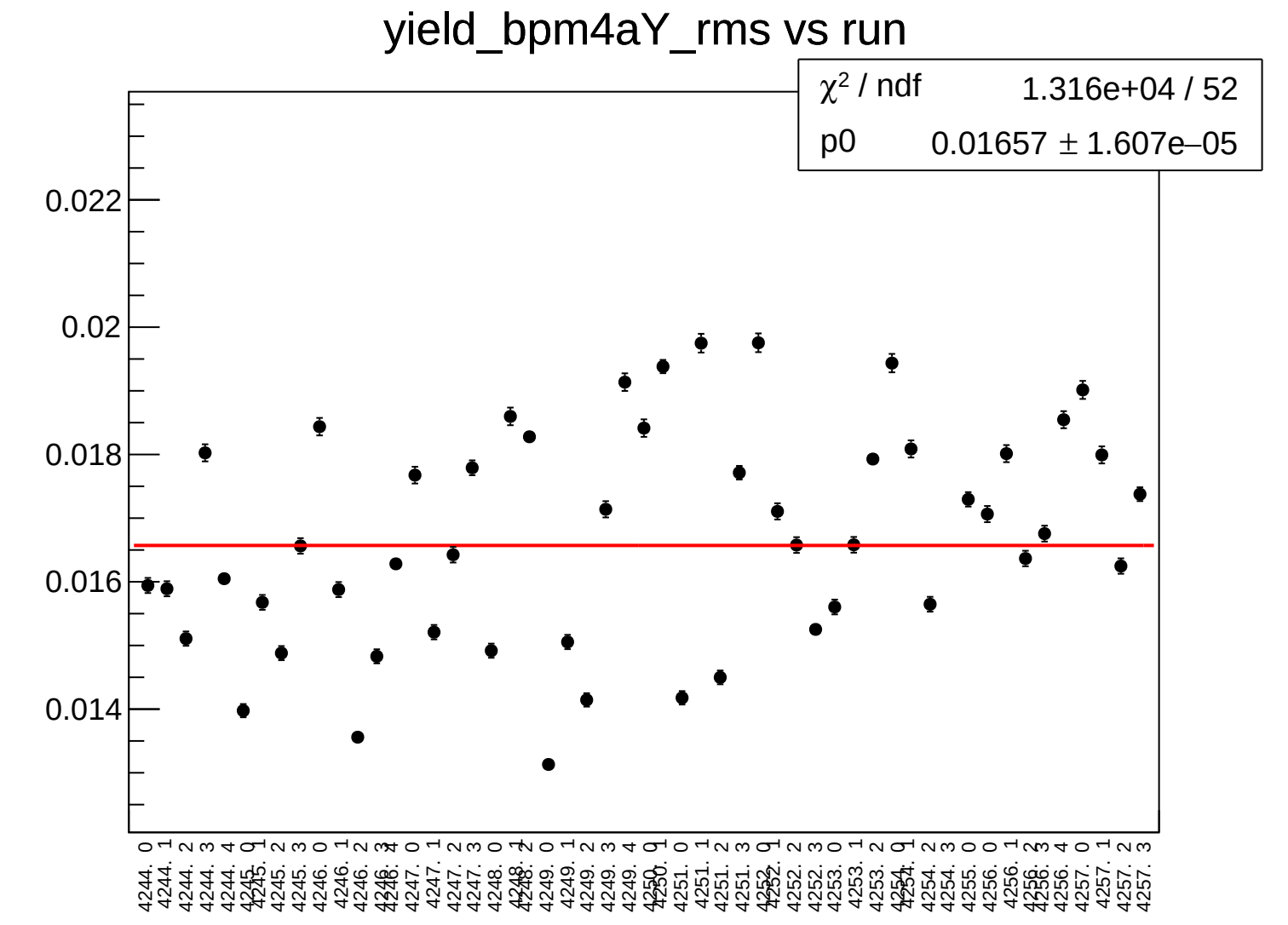

yield_bpm4aX_mean vs run
χ² / ndf 3.188e+04 / 52
p0 −0.008836 ± 1.647e−05
pull
Entries 53
Mean 184.3
Std Dev 161.2

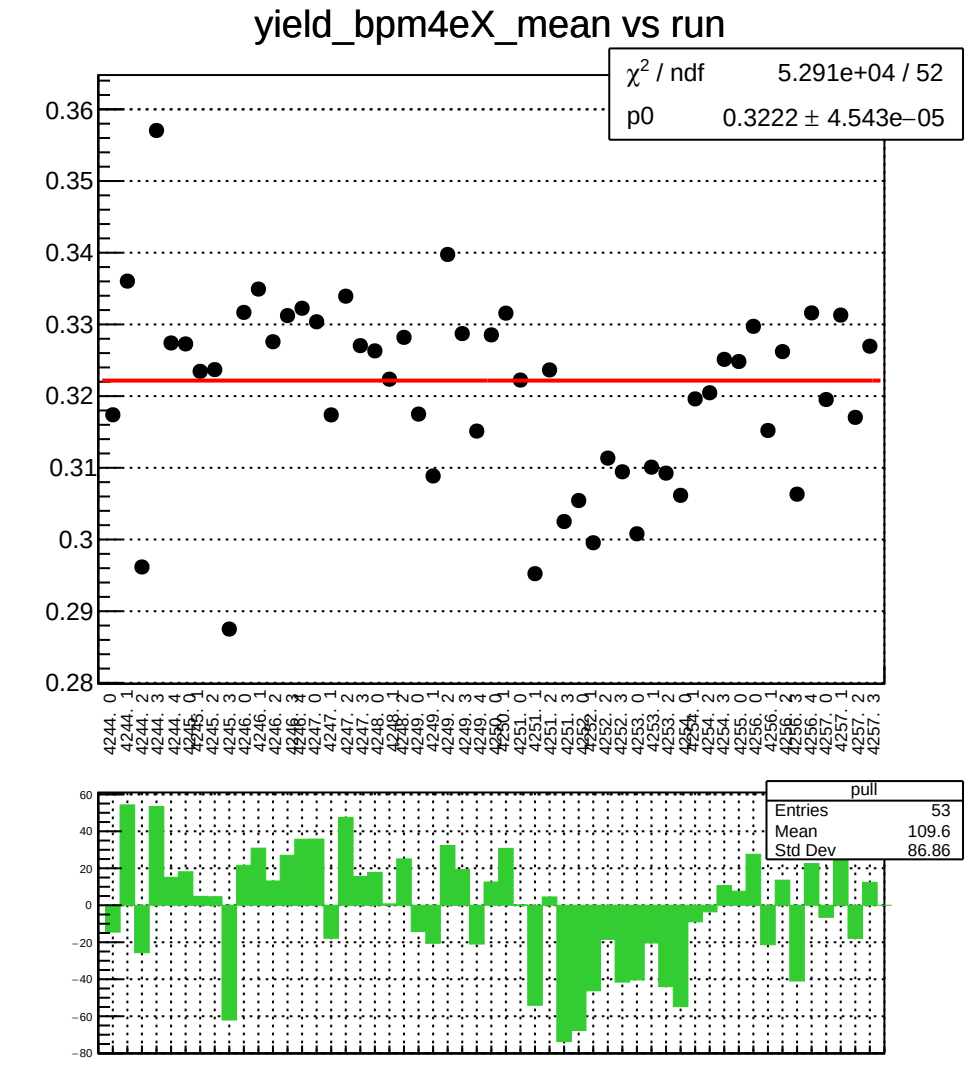

pull1D
Entries 53
Mean 0.3735
Std Dev 3.912

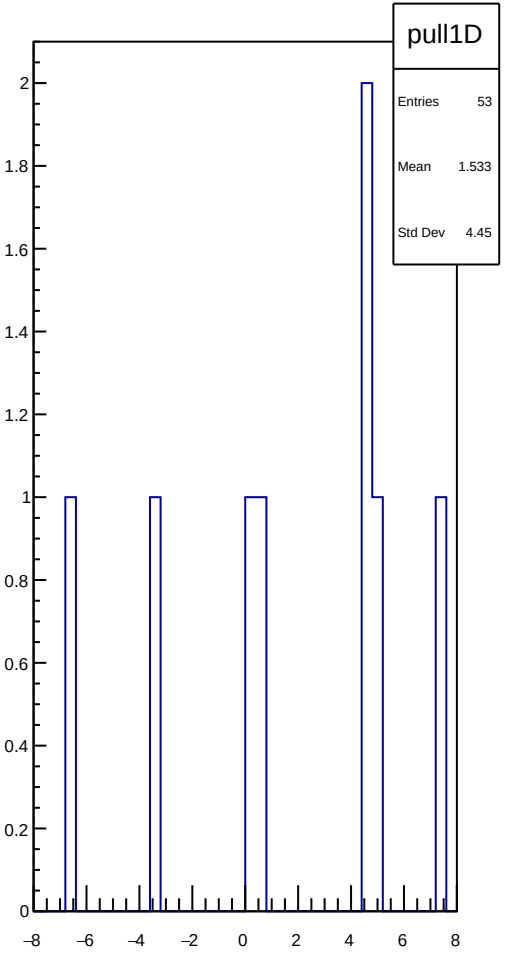

yield_bpm4aX_rms vs run
χ² / ndf 1.186e+04 / 52
p0 0.01201 ± 1.164e–05
0.03
0.025
0.02
0.015
0.01
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

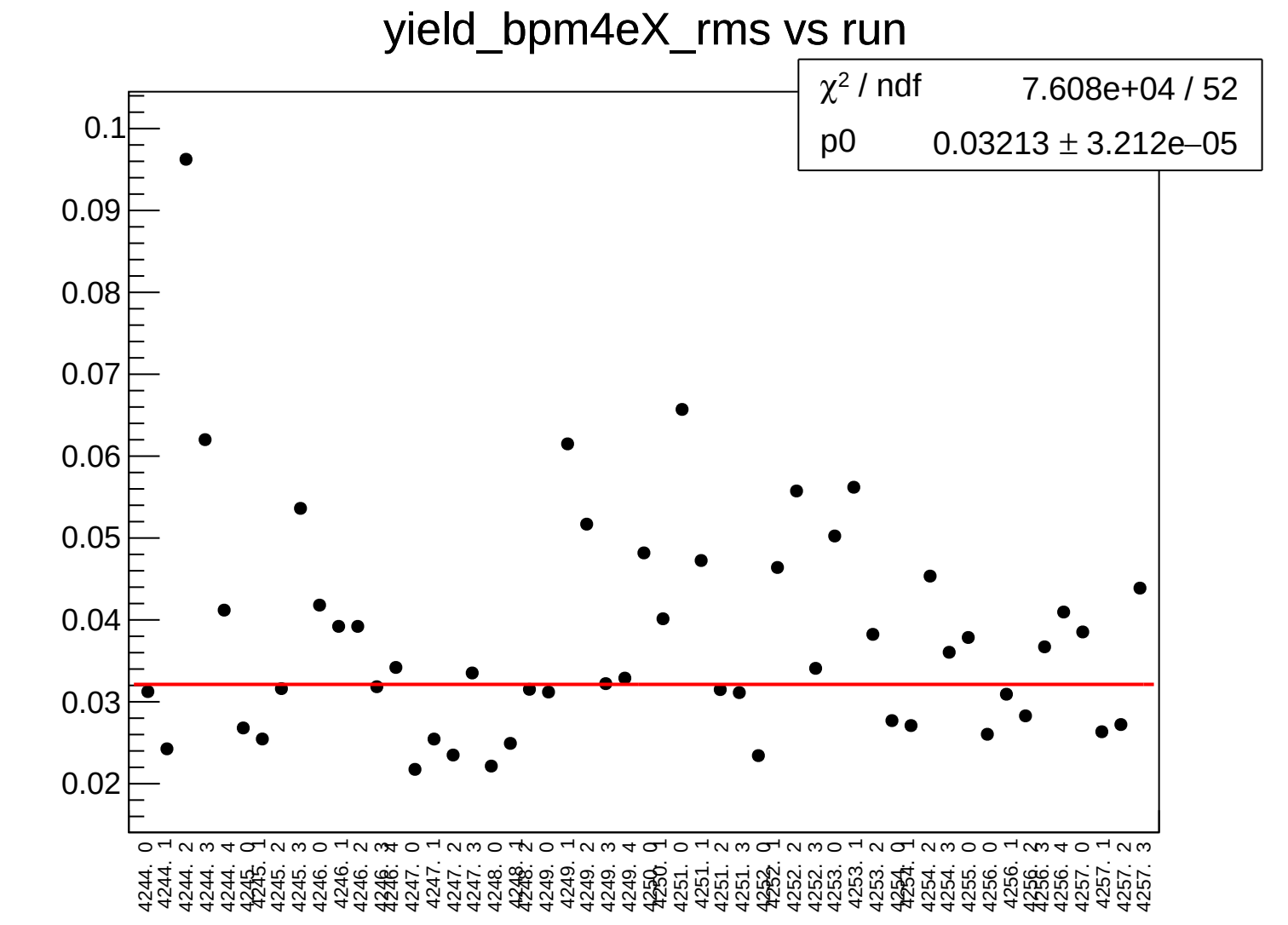

yield_bpm4aY_mean vs run
χ² / ndf 1.143e+05 / 52
p0 1.852 ± 2.273e−05
1.87
1.865
1.86
1.855
1.85
1.845
1.84
1.835
1.83
pull
Entries 53
Mean −6984
Std Dev 7007
80
60
40
20
0
−20
−40
−60
−80
−100
−120

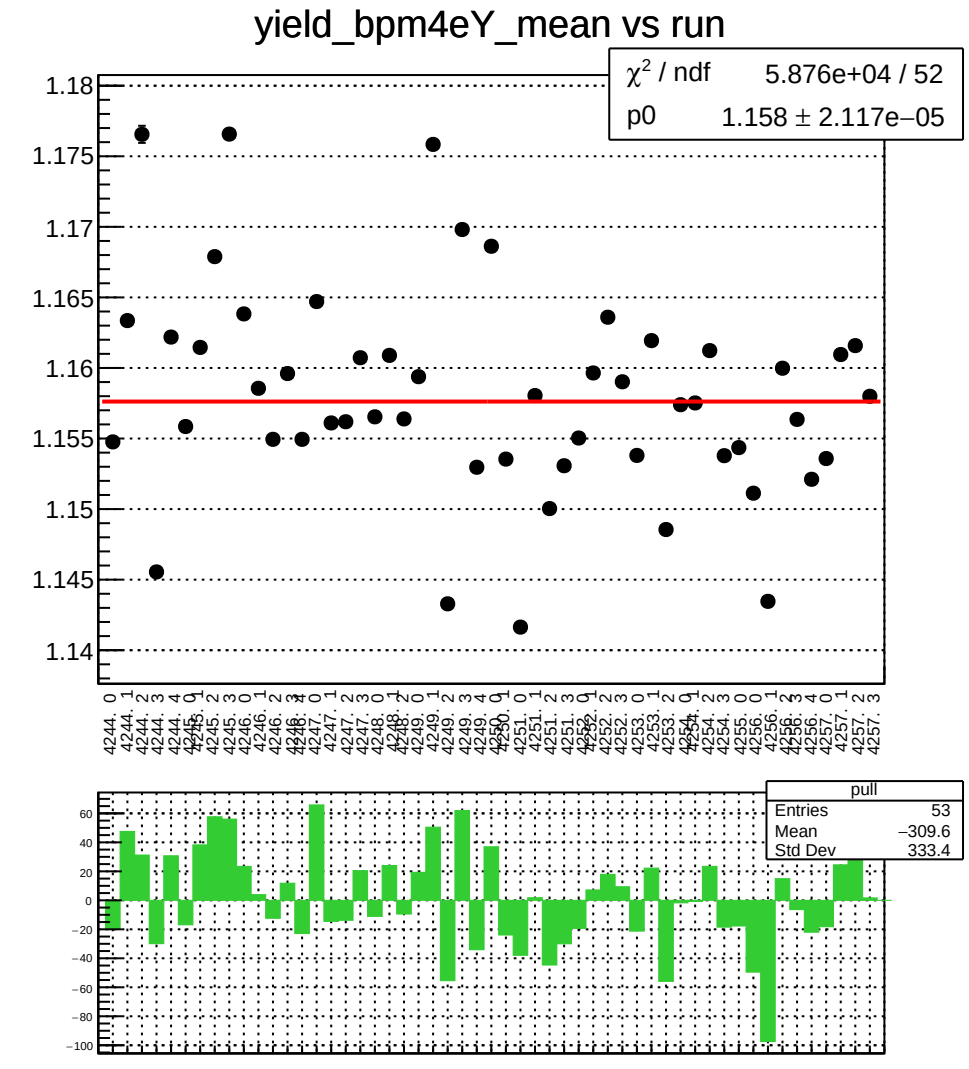

pull1D
Entries 53
Mean −0.7603
Std Dev 5.308
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

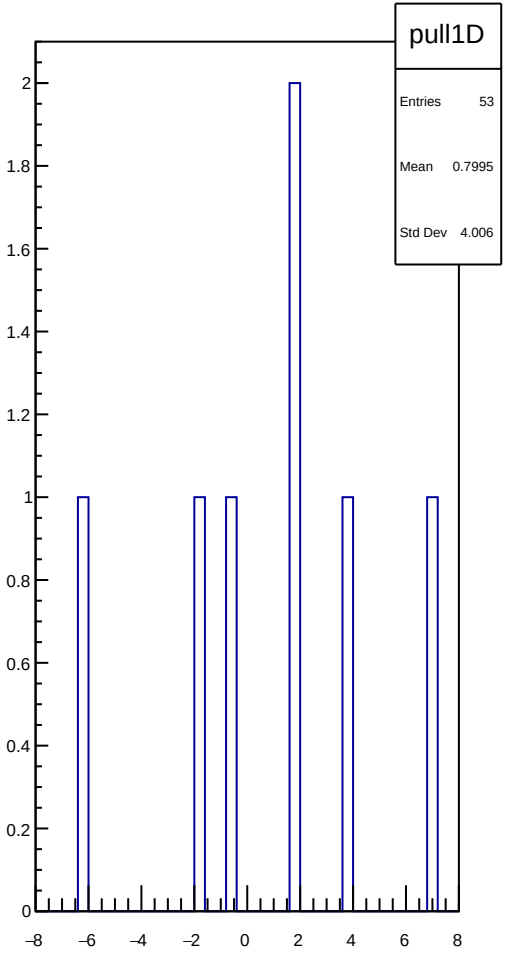

yield_bpm4aY_rms vs run
χ² / ndf 1.316e+04 / 52
p0 0.01657 ± 1.607e–05
0.022
0.02
0.018
0.016
0.014
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

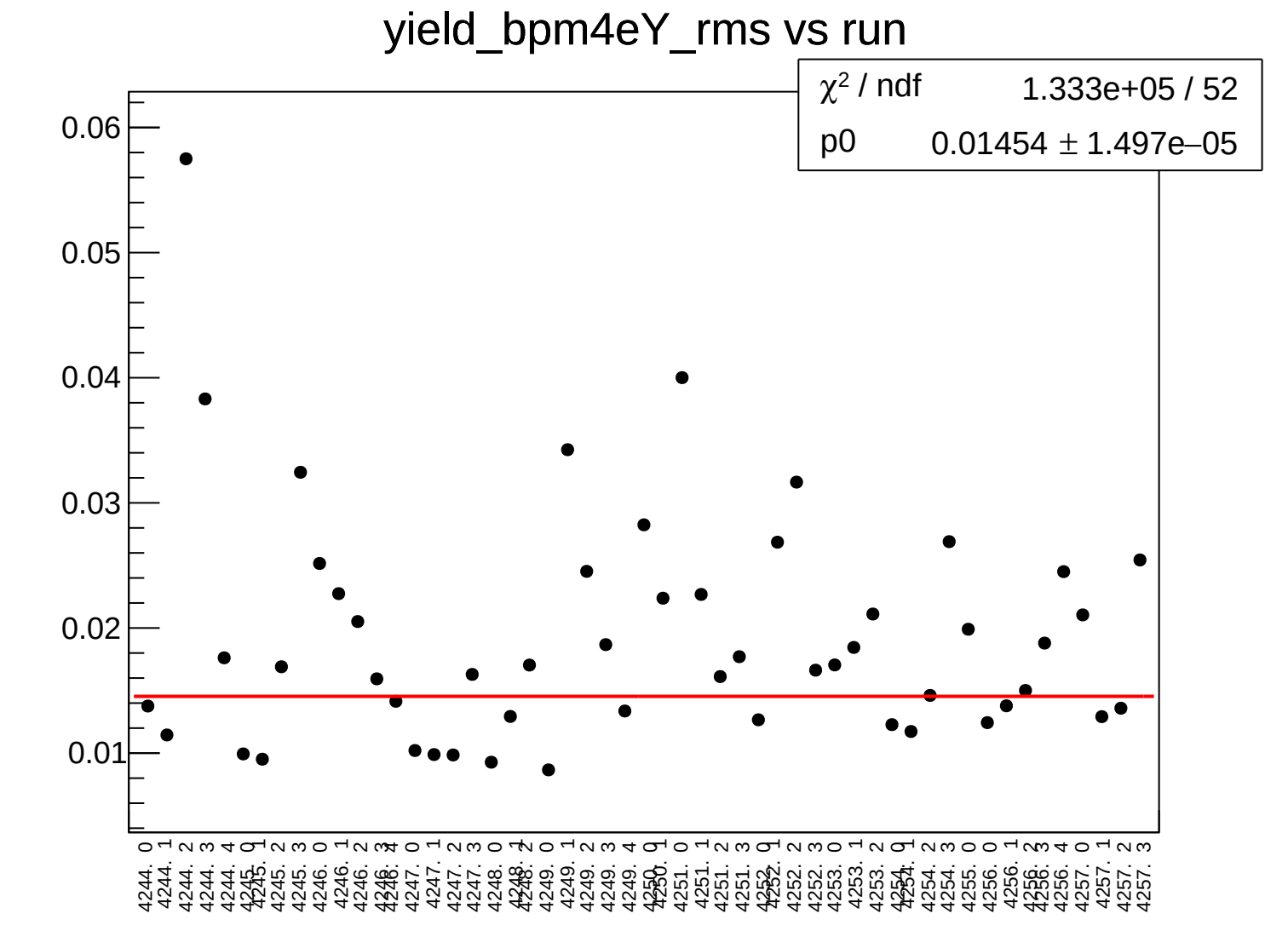

yield_bpm4eX_mean vs run
χ² / ndf 5.291e+04 / 52
p0 0.3222 ± 4.543e−05
pull
Entries 53
Mean 109.6
Std Dev 86.86

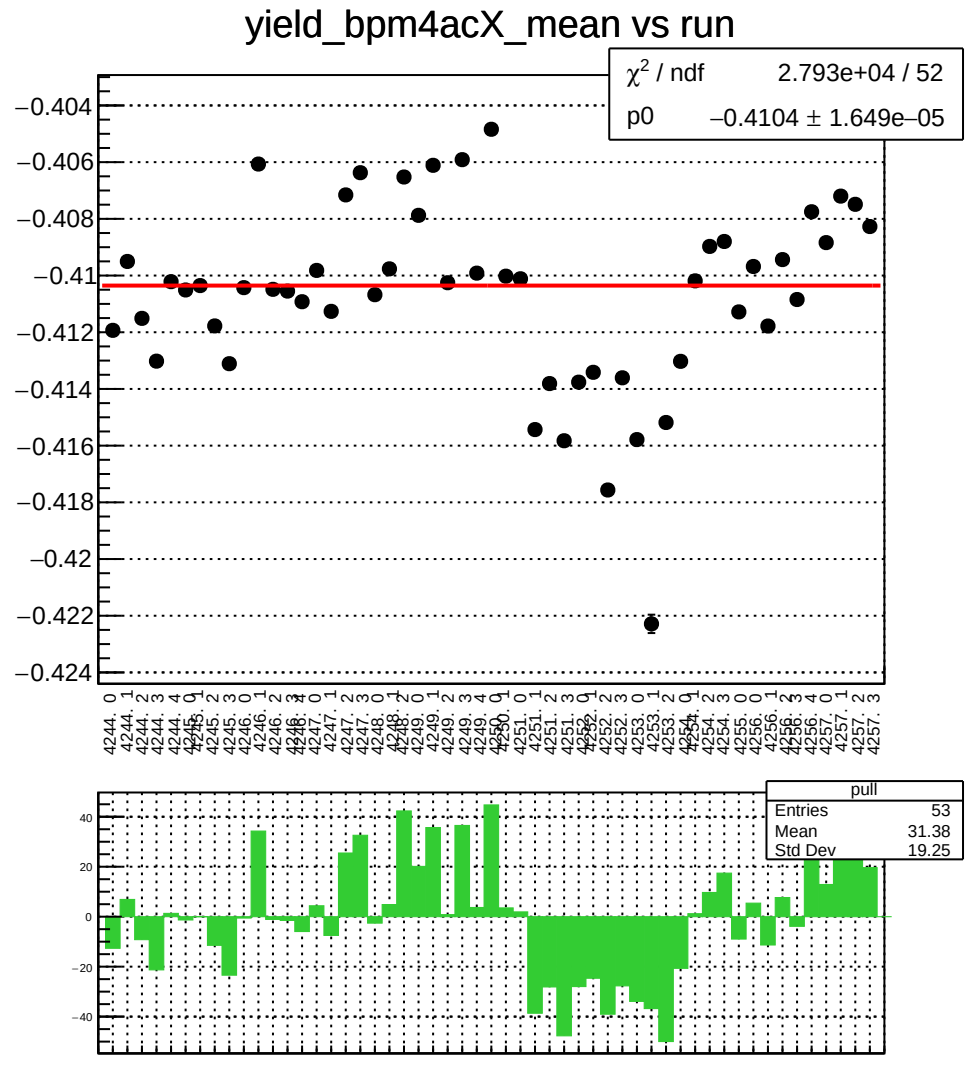

pull1D
Entries 53
Mean 1.533
Std Dev 4.45

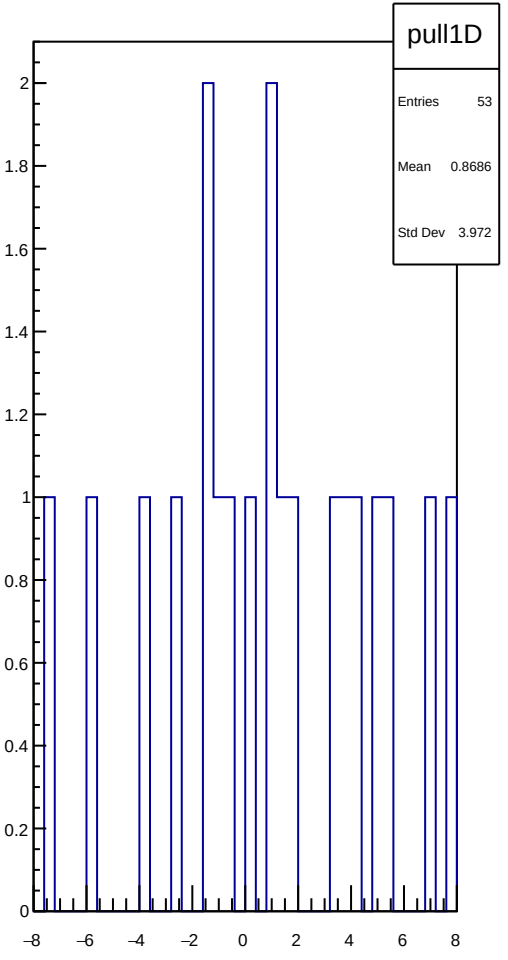

yield_bpm4eX_rms vs run
χ² / ndf 7.608e+04 / 52
p0 0.03213 ± 3.212e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

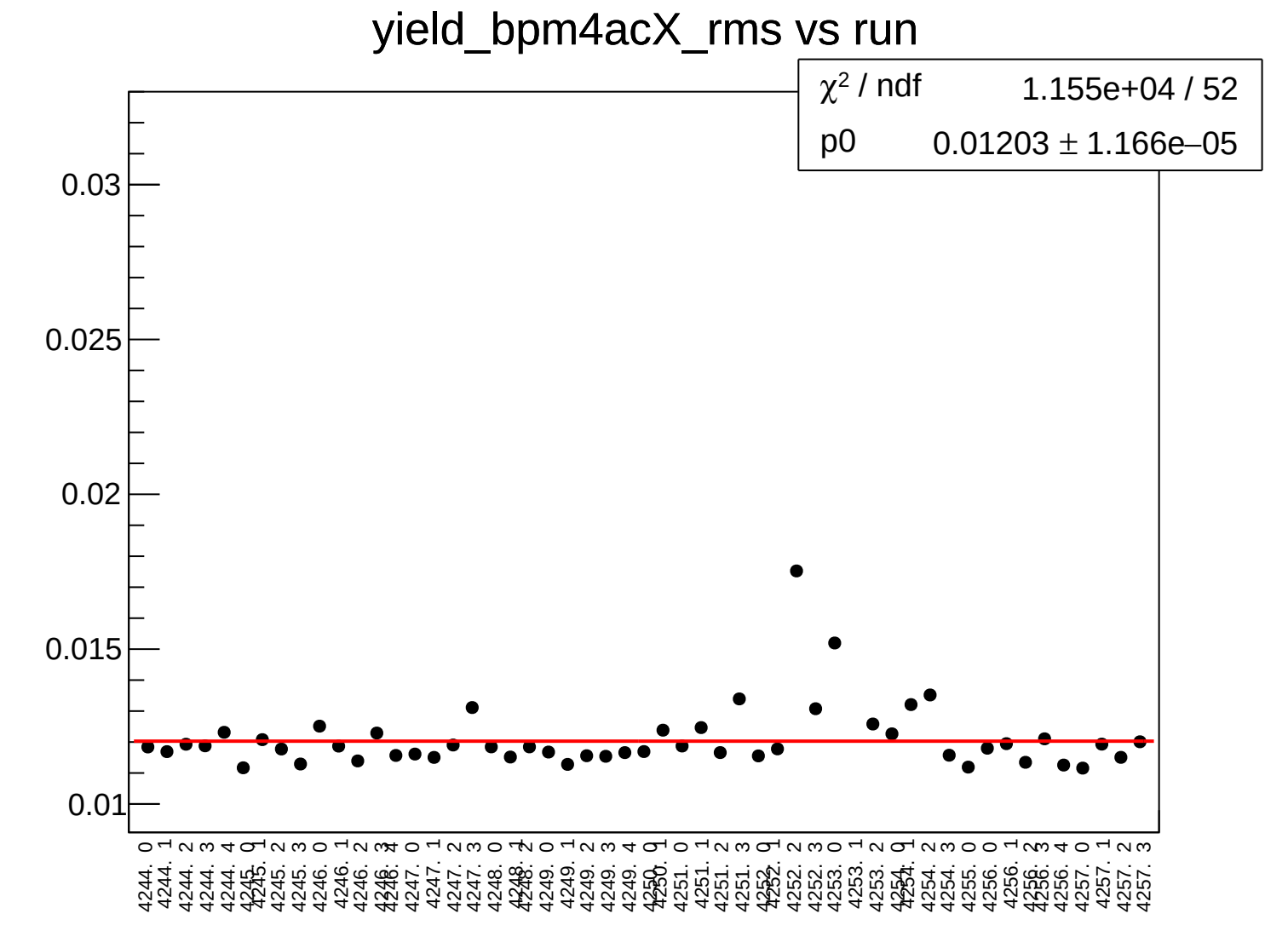

yield_bpm4eY_mean vs run
χ² / ndf 5.876e+04 / 52
p0 1.158 ± 2.117e−05
1.18
1.175
1.17
1.165
1.16
1.155
1.15
1.145
1.14
pull
Entries 53
Mean −309.6
Std Dev 333.4
60
40
20
0
−20
−40
−60
−80
−100

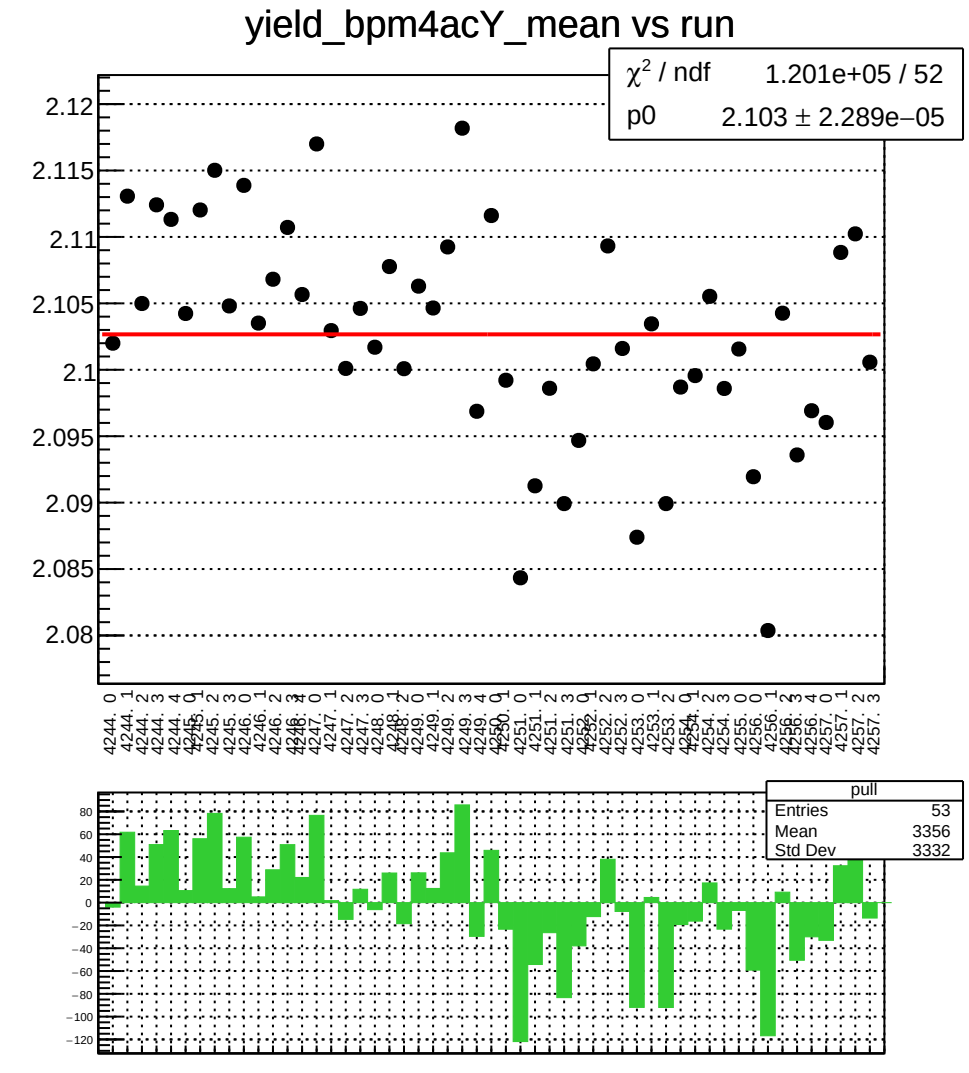

pull1D
Entries 53
Mean 0.7995
Std Dev 4.006
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

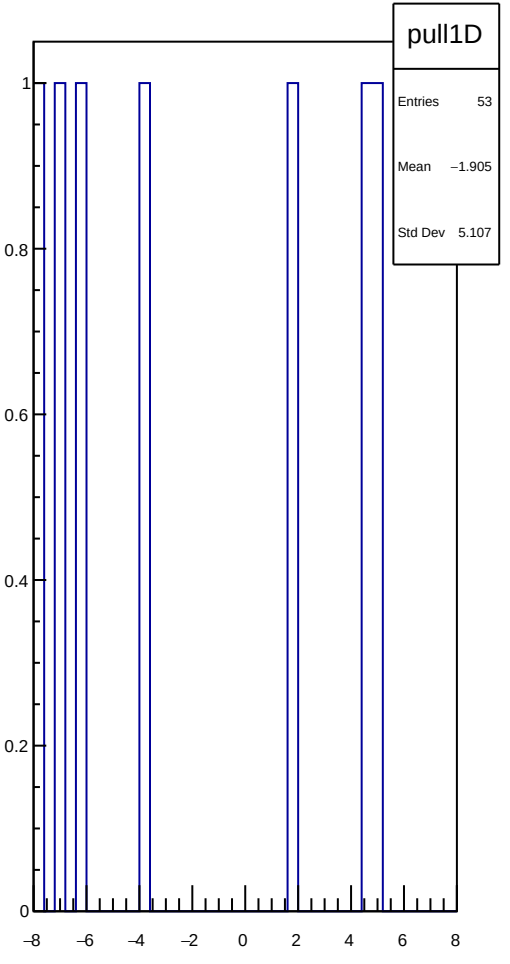

yield_bpm4eY_rms vs run
χ² / ndf 1.333e+05 / 52
p0 0.01454 ± 1.497e−05
0.06
0.05
0.04
0.03
0.02
0.01
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

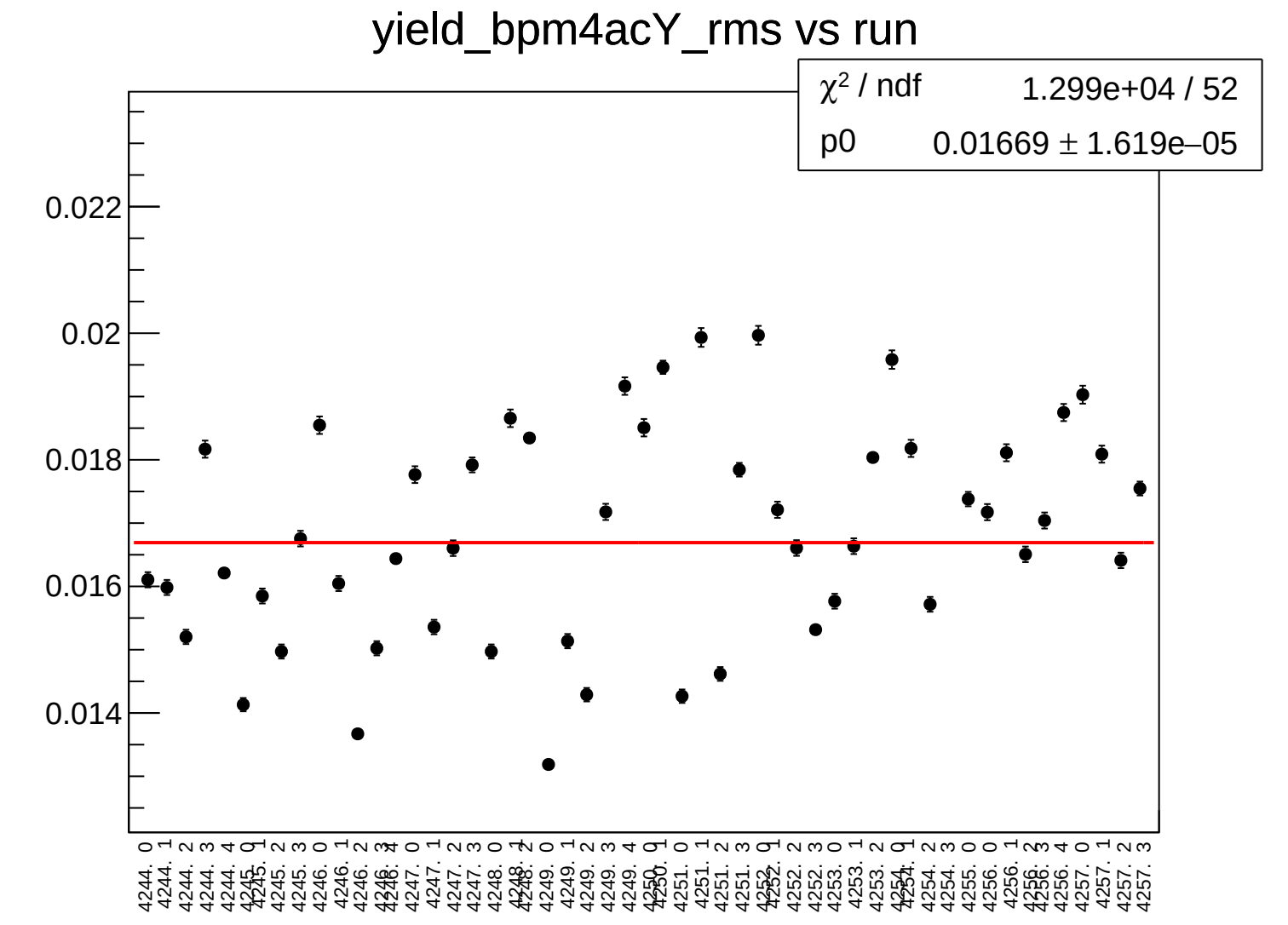

yield_bpm4acX_mean vs run
χ² / ndf 2.793e+04 / 52
p0 −0.4104 ± 1.649e−05
−0.404
−0.406
−0.408
−0.41
−0.412
−0.414
−0.416
−0.418
−0.42
−0.422
−0.424
pull
Entries 53
Mean 31.38
Std Dev 19.25
40
20
0
−20
−40

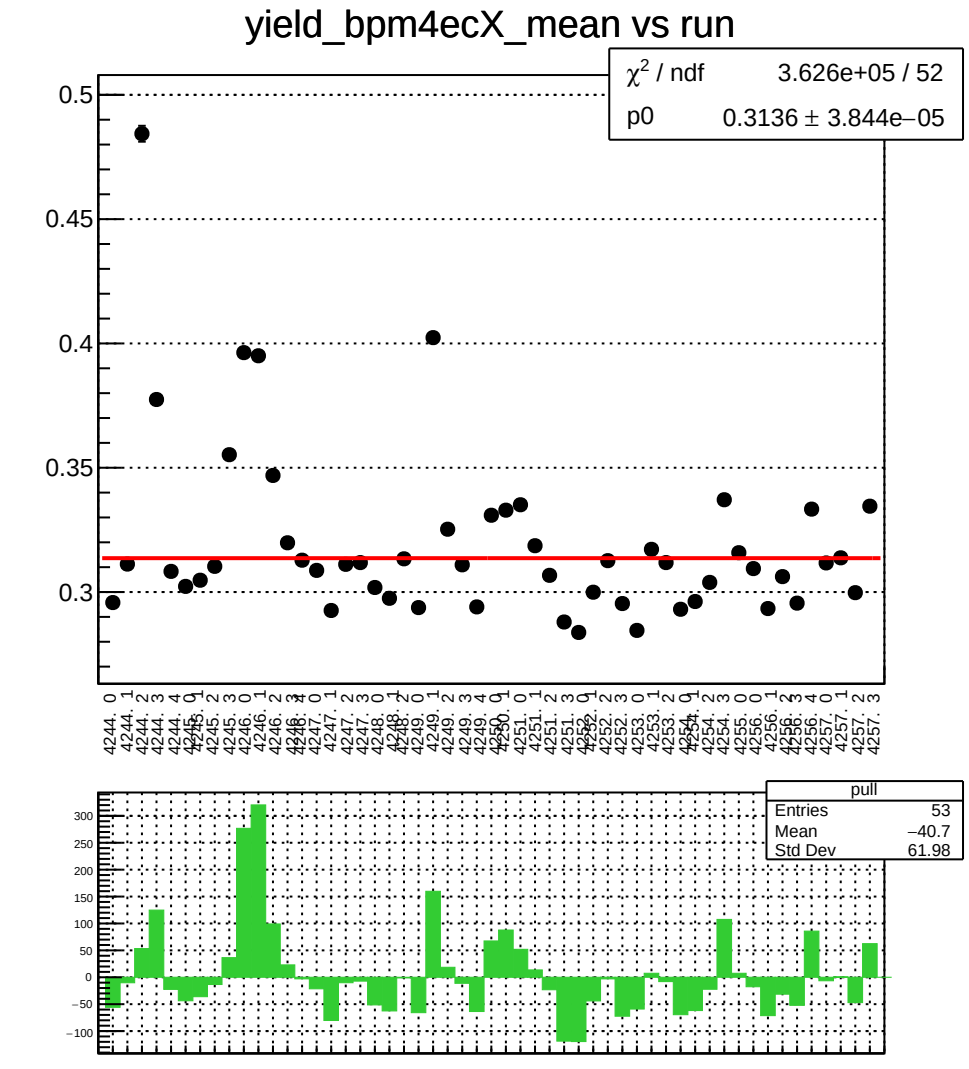

pull1D
Entries 53
Mean 0.8686
Std Dev 3.972
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

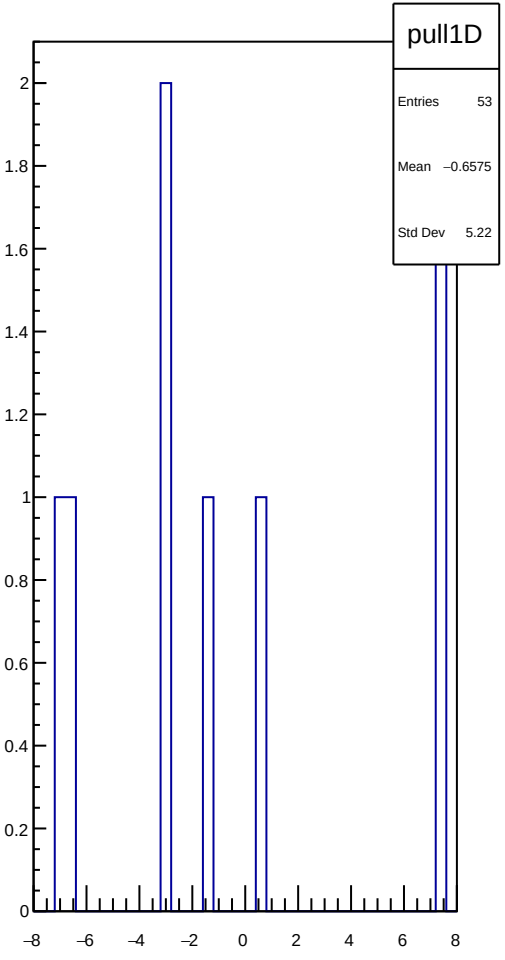

yield_bpm4acX_rms vs run
χ² / ndf 1.155e+04 / 52
p0 0.01203 ± 1.166e–05
0.03
0.025
0.02
0.015
0.01
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

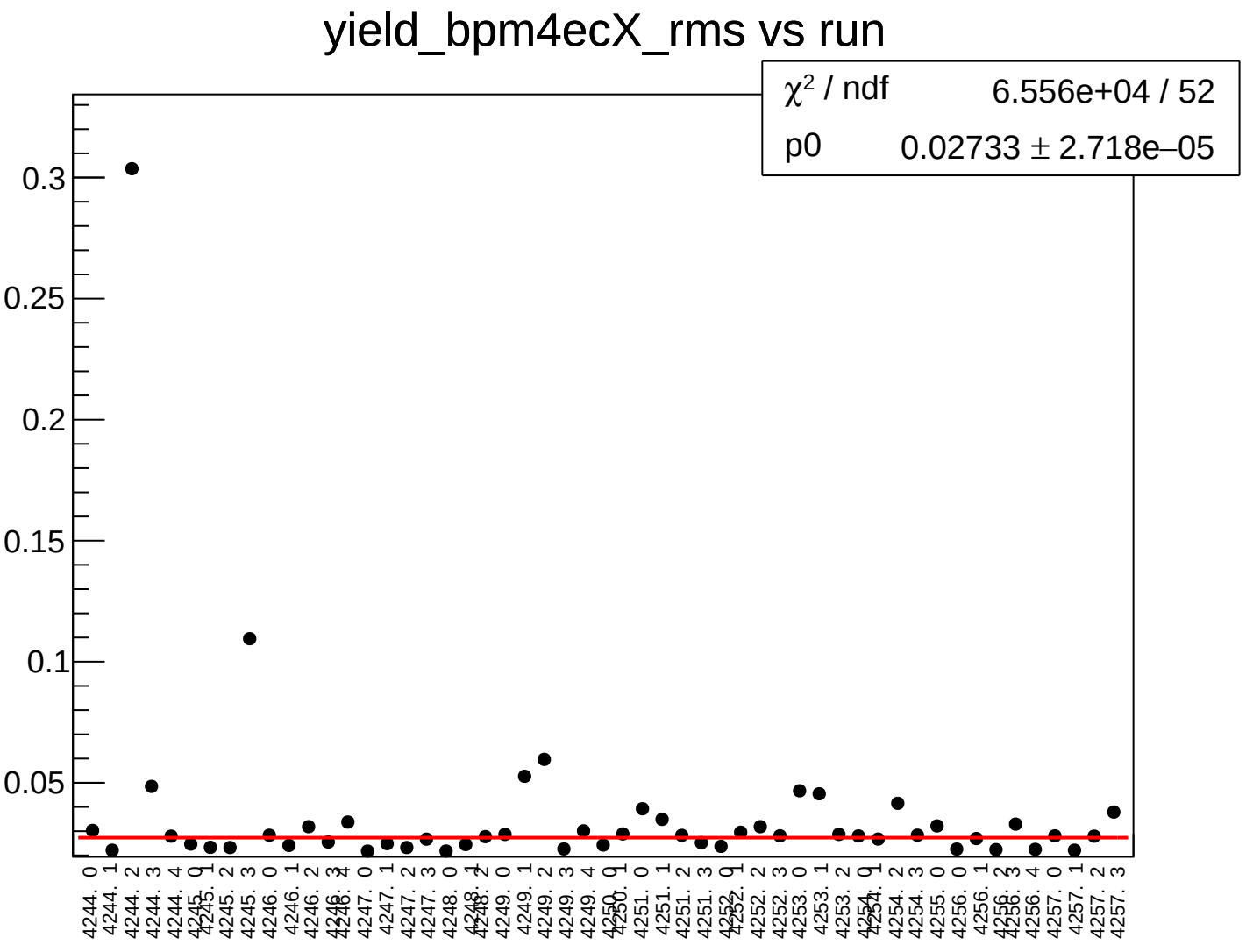

yield_bpm4acY_mean vs run
χ² / ndf 1.201e+05 / 52
p0 2.103 ± 2.289e−05
2.12
2.115
2.11
2.105
2.1
2.095
2.09
2.085
2.08
pull
Entries 53
Mean 3356
Std Dev 3332
80
60
40
20
0
−20
−40
−60
−80
−100
−120

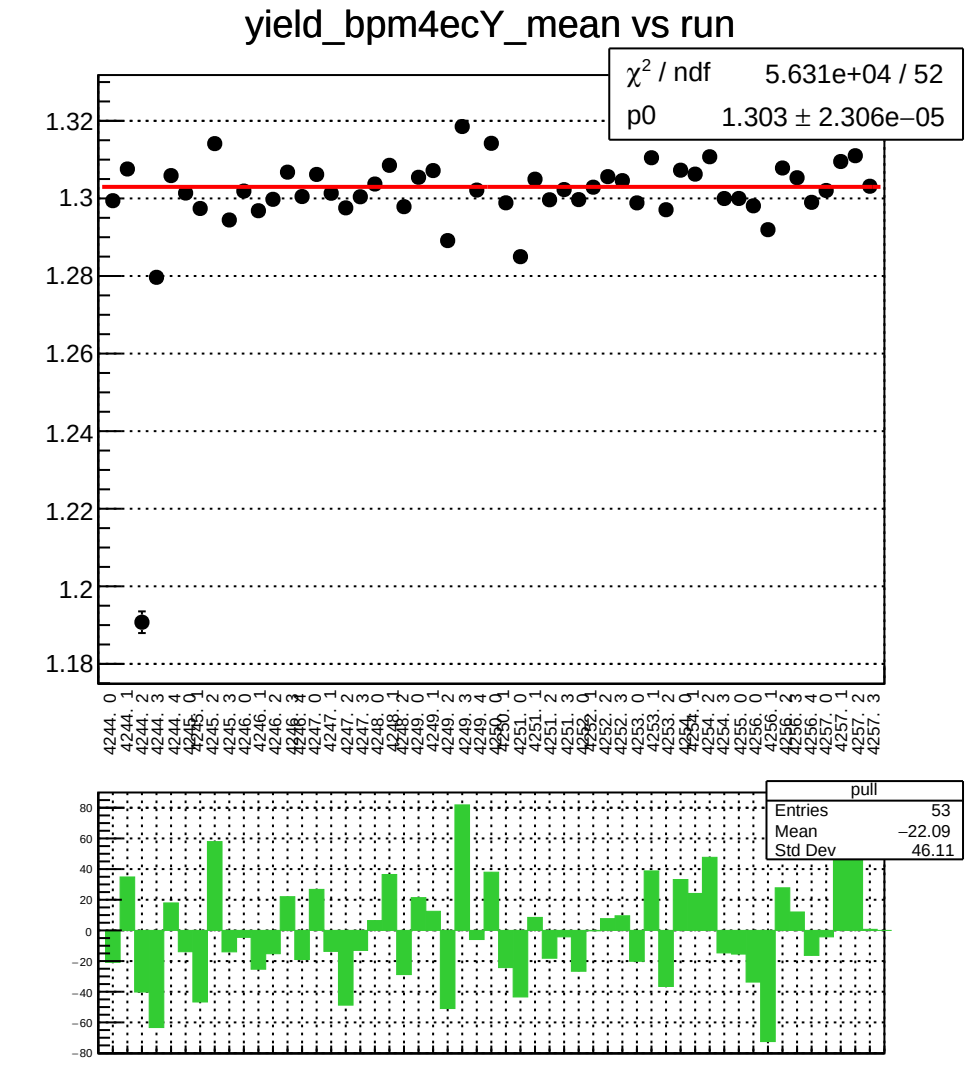

pull1D
Entries 53
Mean −1.905
Std Dev 5.107
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

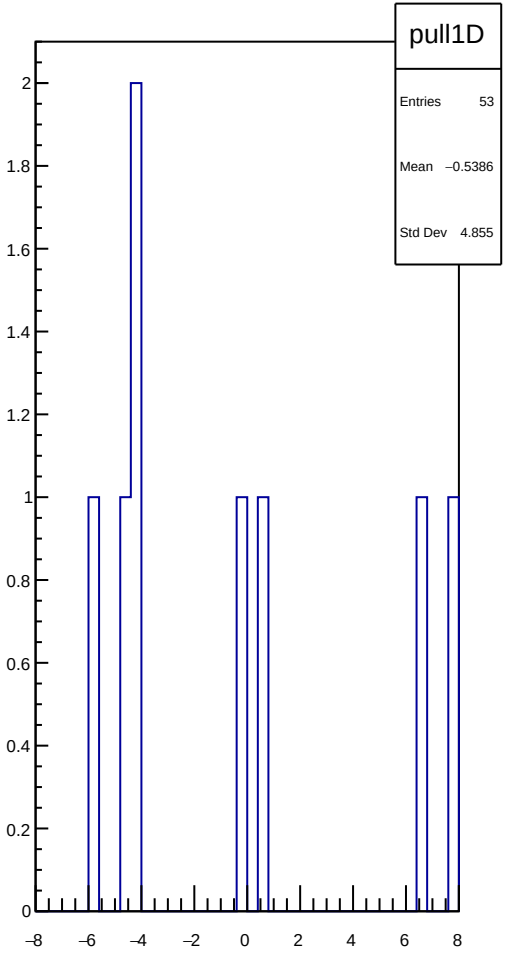

yield_bpm4acY_rms vs run
χ² / ndf 1.299e+04 / 52
p0 0.01669 ± 1.619e−05
0.022
0.02
0.018
0.016
0.014
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

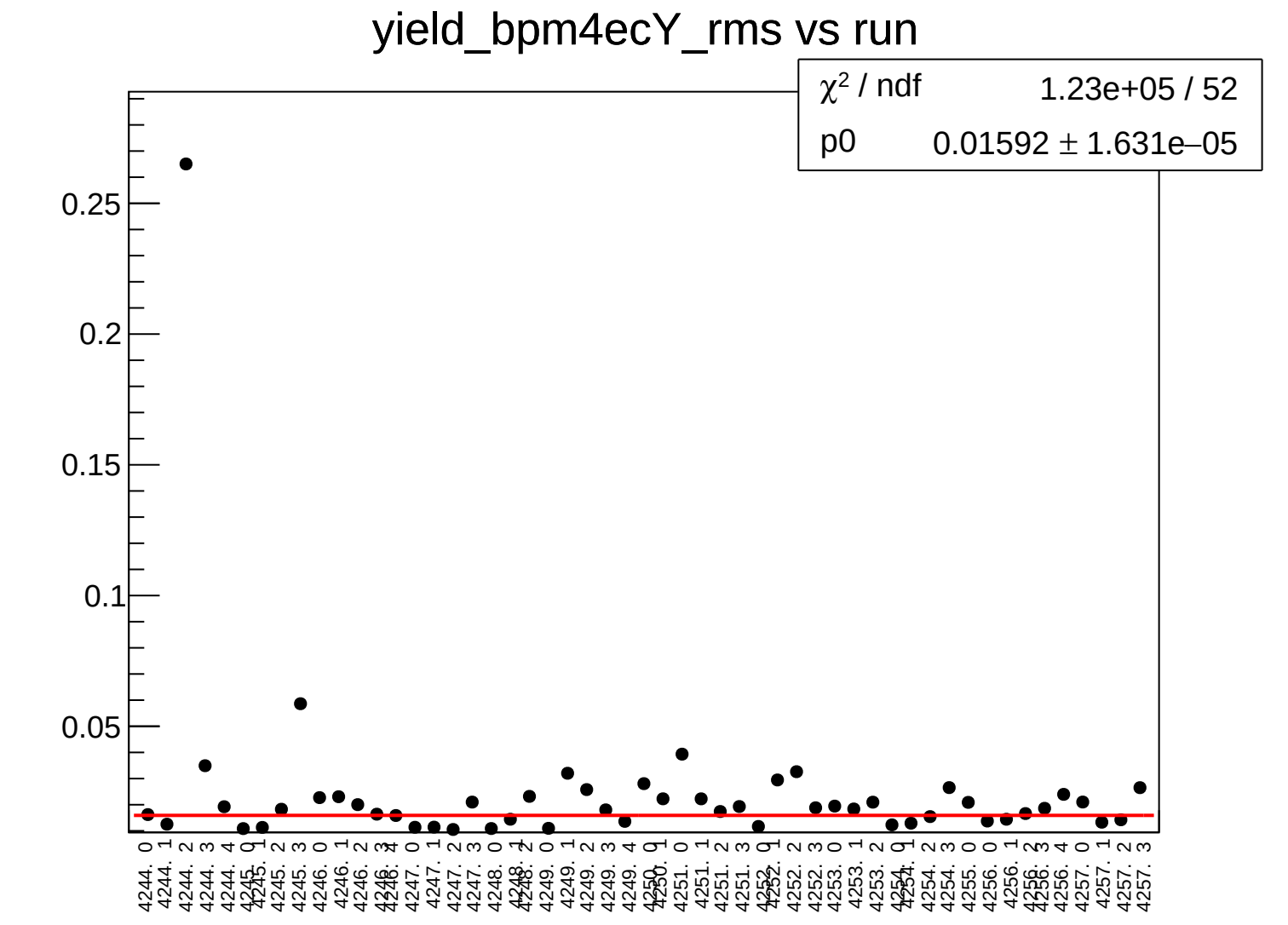

yield_bpm4ecX_mean vs run
χ² / ndf 3.626e+05 / 52
p0 0.3136 ± 3.844e−05
0.5
0.45
0.4
0.35
0.3
pull
Entries 53
Mean −40.7
Std Dev 61.98
300
250
200
150
100
50
0
−50
−100

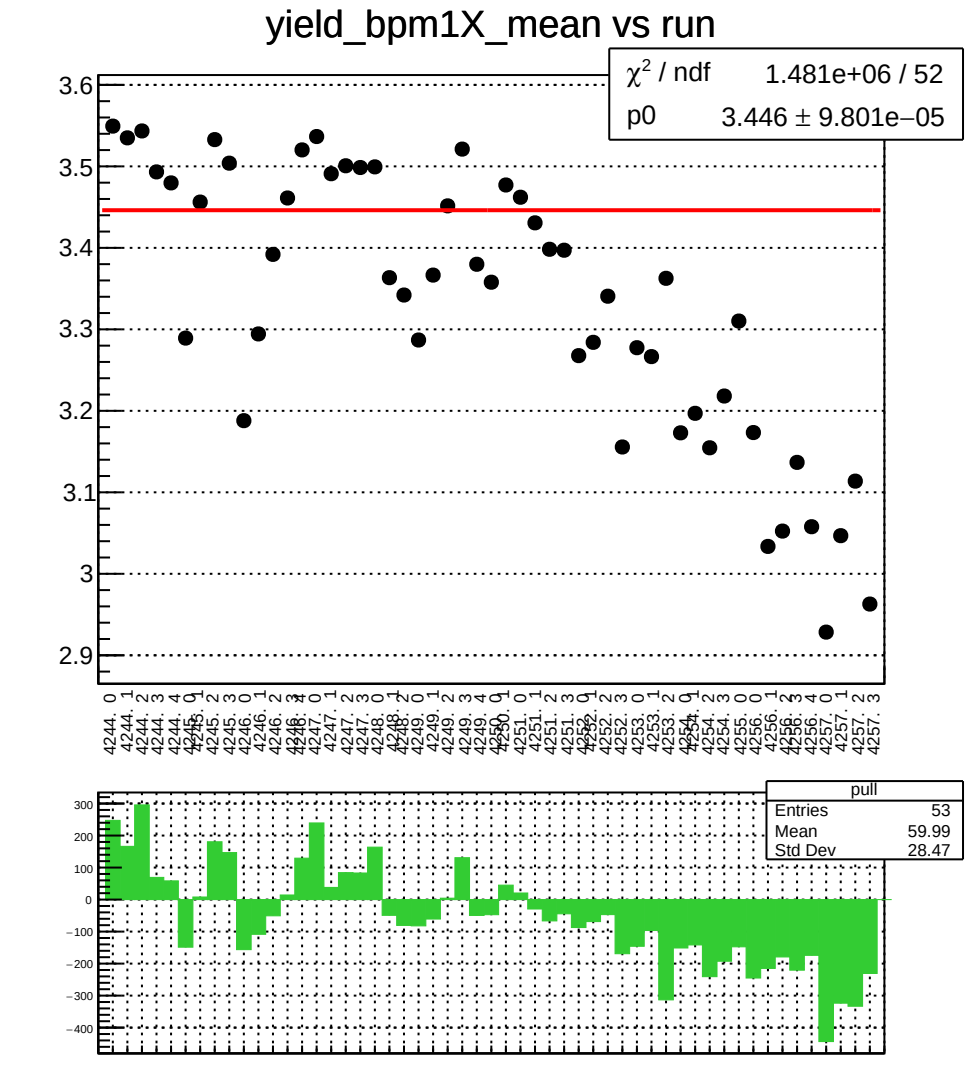

pull1D
Entries 53
Mean −0.6575
Std Dev 5.22
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

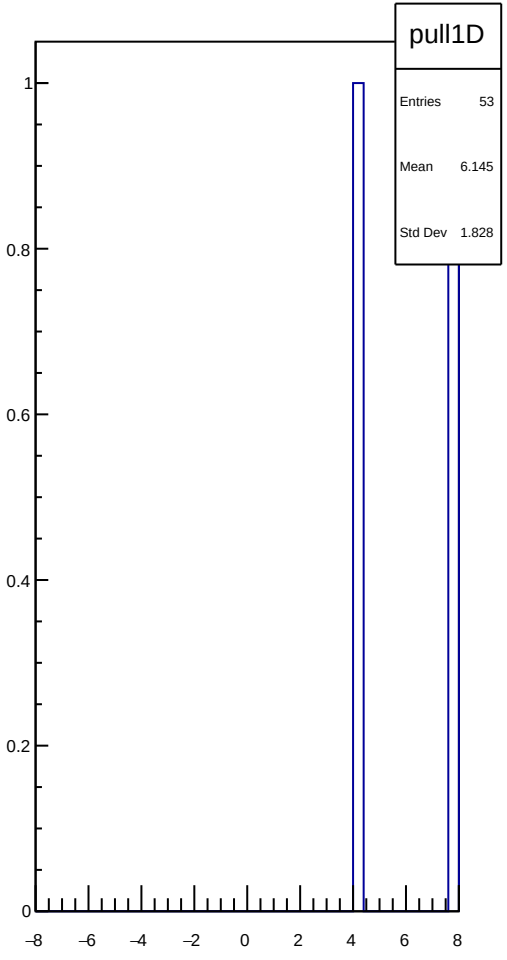

yield_bpm4ecX_rms vs run
χ² / ndf 6.556e+04 / 52
p0 0.02733 ± 2.718e–05
0.3
0.25
0.2
0.15
0.1
0.05
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

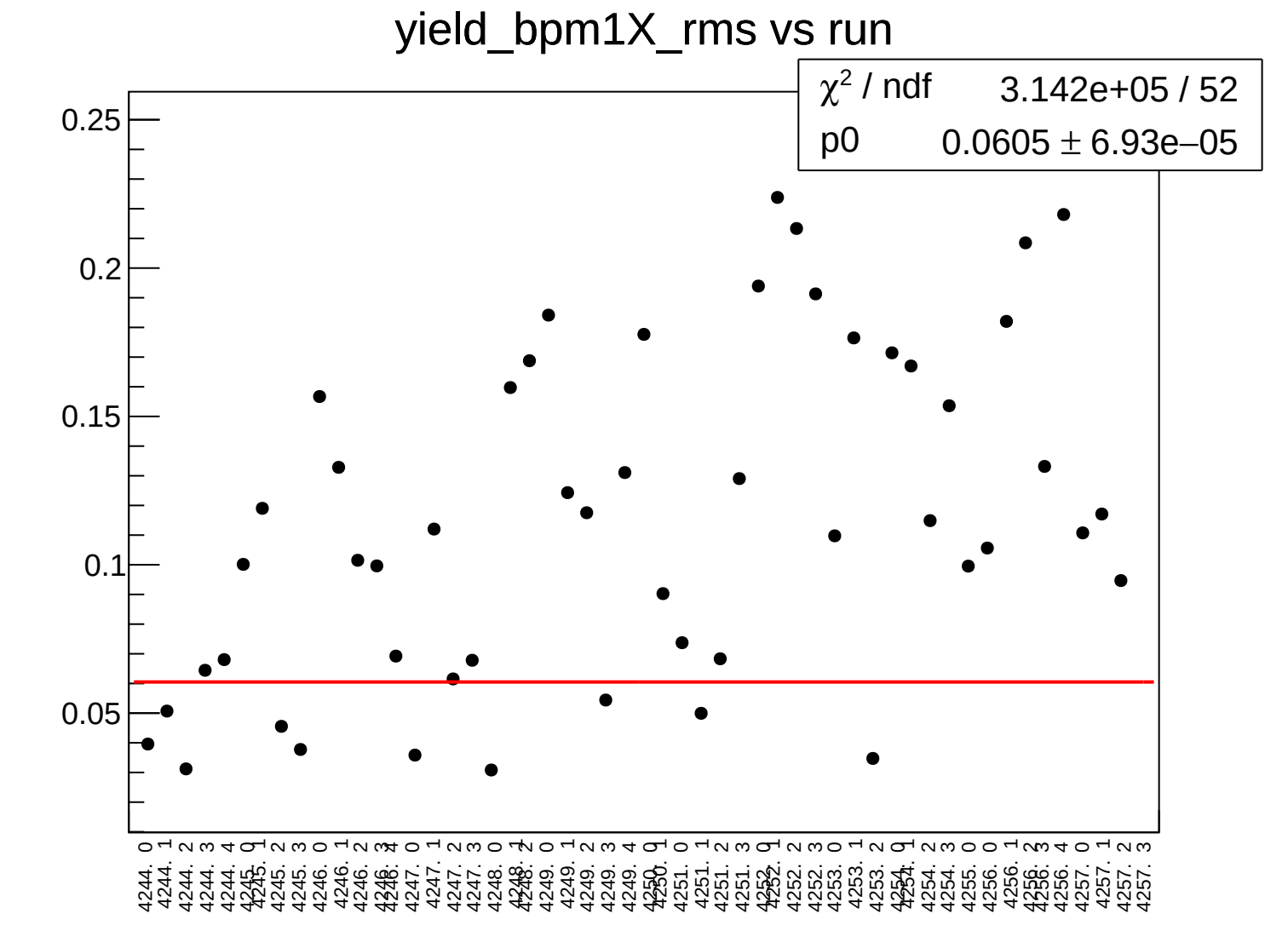

yield_bpm4ecY_mean vs run
χ² / ndf 5.631e+04 / 52
p0 1.303 ± 2.306e−05
pull
Entries 53
Mean −22.09
Std Dev 46.11

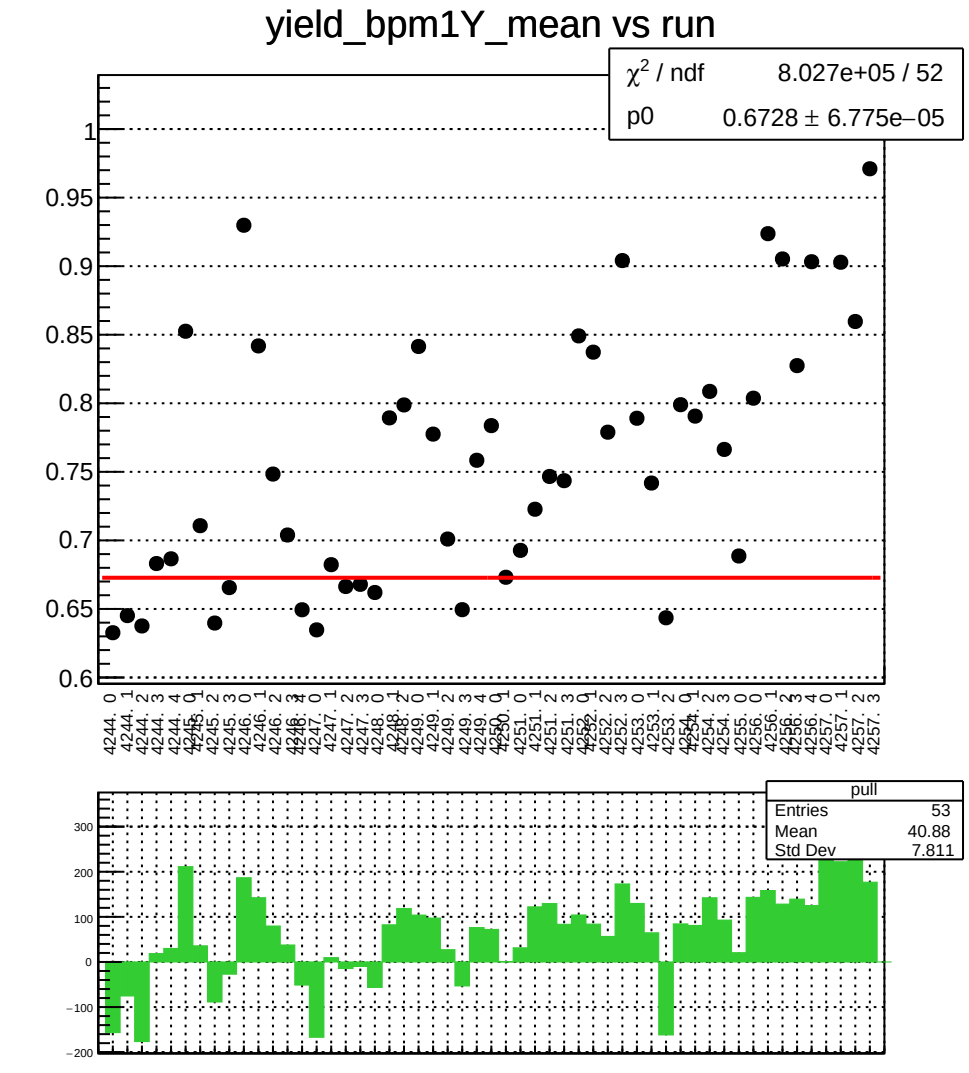

pull1D
Entries 53
Mean −0.5386
Std Dev 4.855

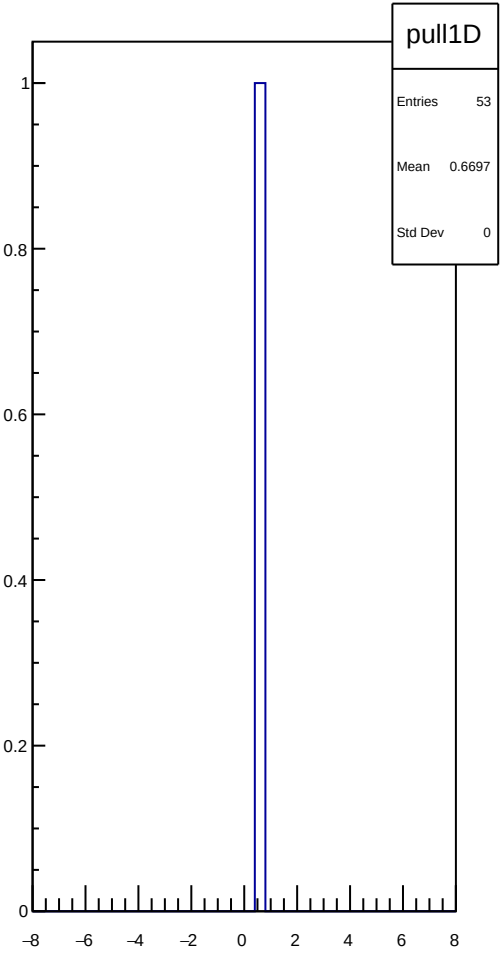

yield_bpm4ecY_rms vs run
χ² / ndf 1.23e+05 / 52
p0 0.01592 ± 1.631e–05
0.25
0.2
0.15
0.1
0.05
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

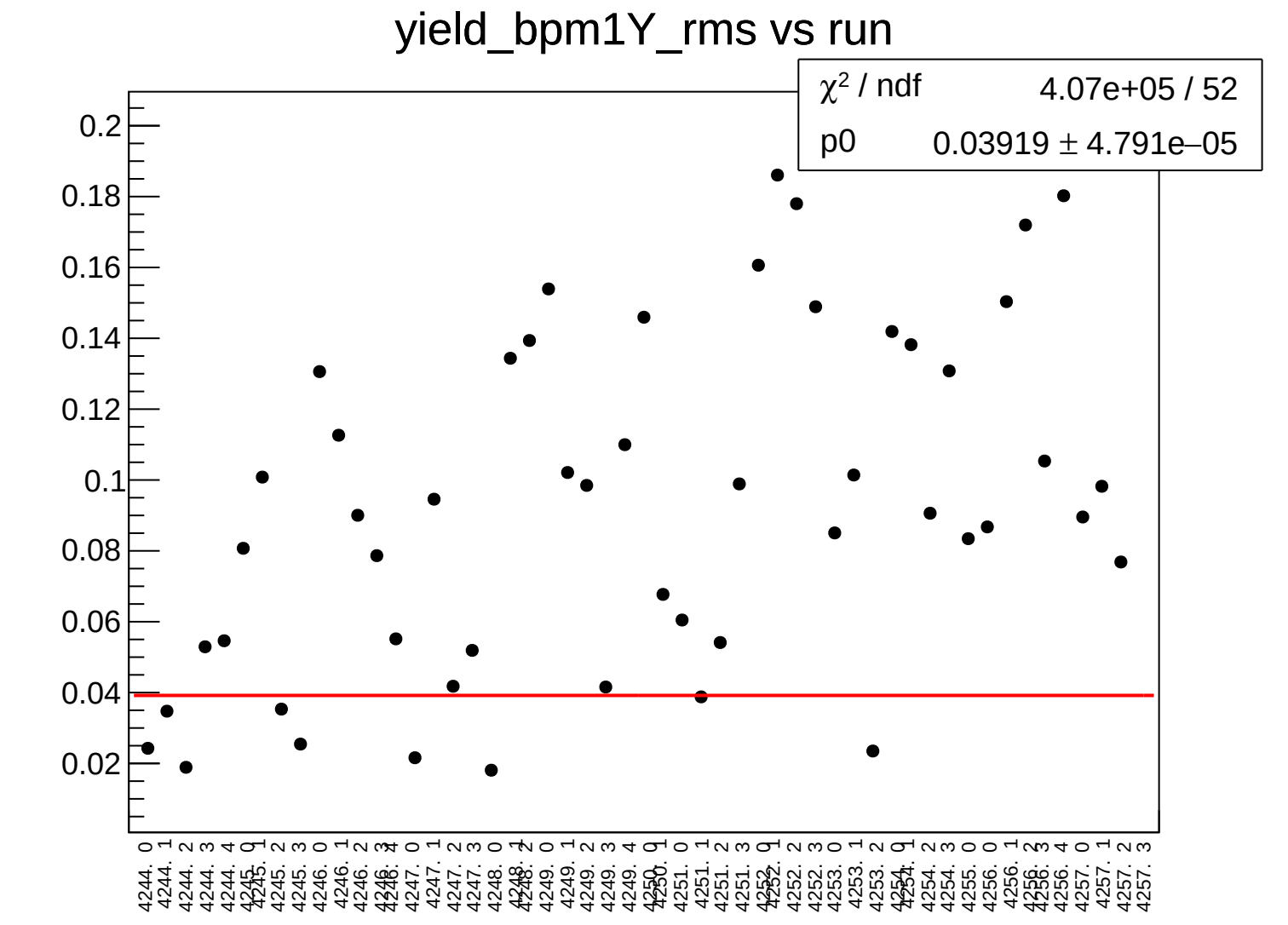

yield_bpm1X_mean vs run
χ² / ndf 1.481e+06 / 52
p0 3.446 ± 9.801e−05
pull
Entries 53
Mean 59.99
Std Dev 28.47

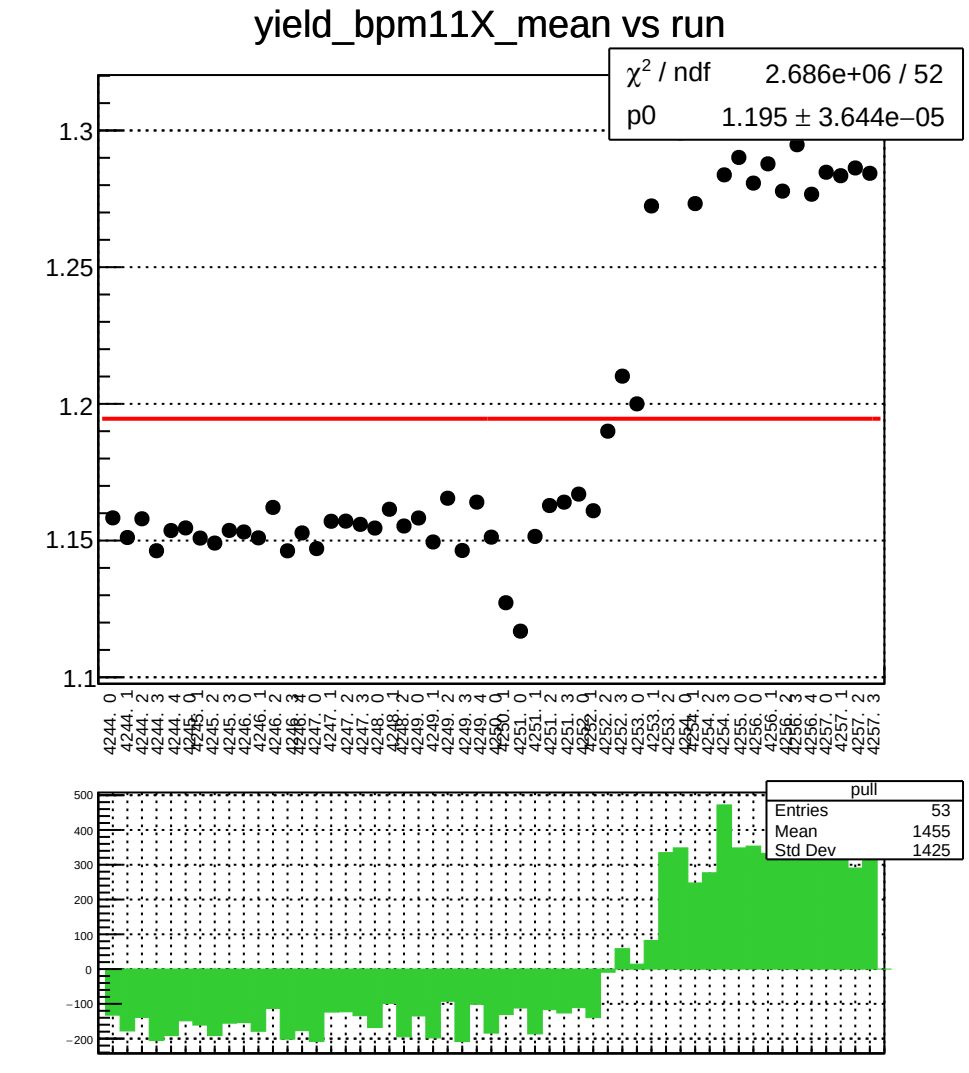

pull1D
Entries 53
Mean 6.145
Std Dev 1.828

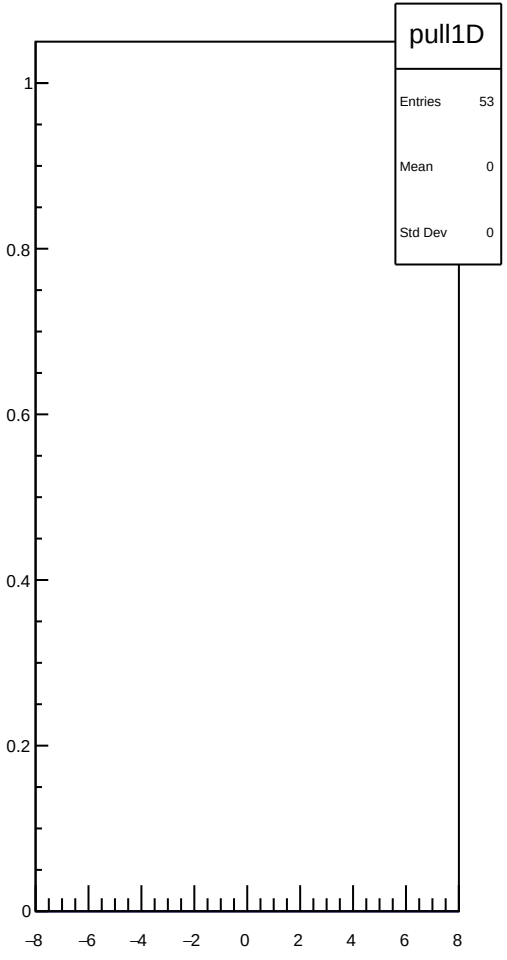

yield_bpm1X_rms vs run
χ^2 / ndf 3.142e+05 / 52
p0 0.0605 ± 6.93e−05
0.25
0.2
0.15
0.1
0.05
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

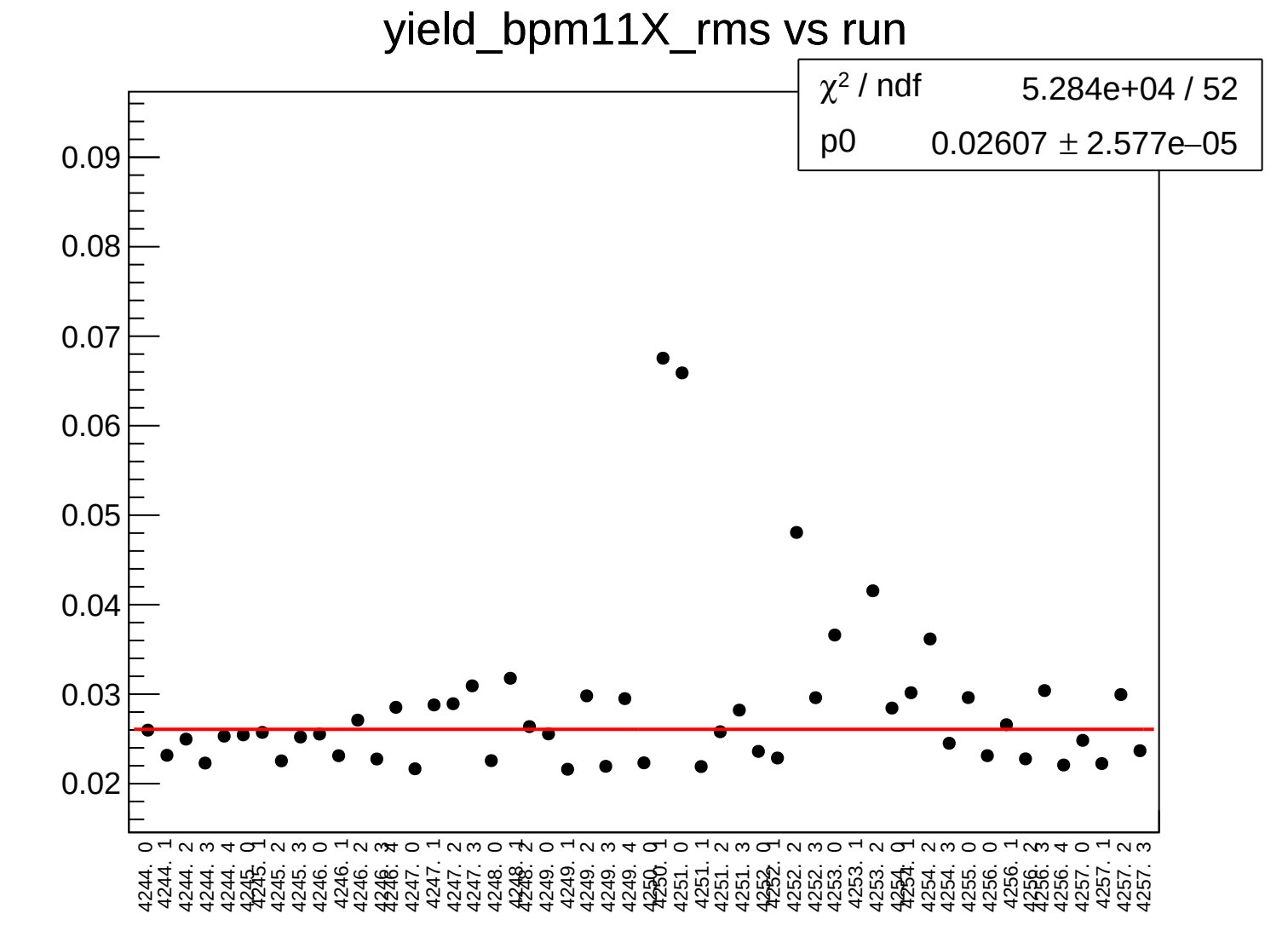

yield_bpm1Y_mean vs run
χ² / ndf 8.027e+05 / 52
p0 0.6728 ± 6.775e−05
pull
Entries 53
Mean 40.88
Std Dev 7.811

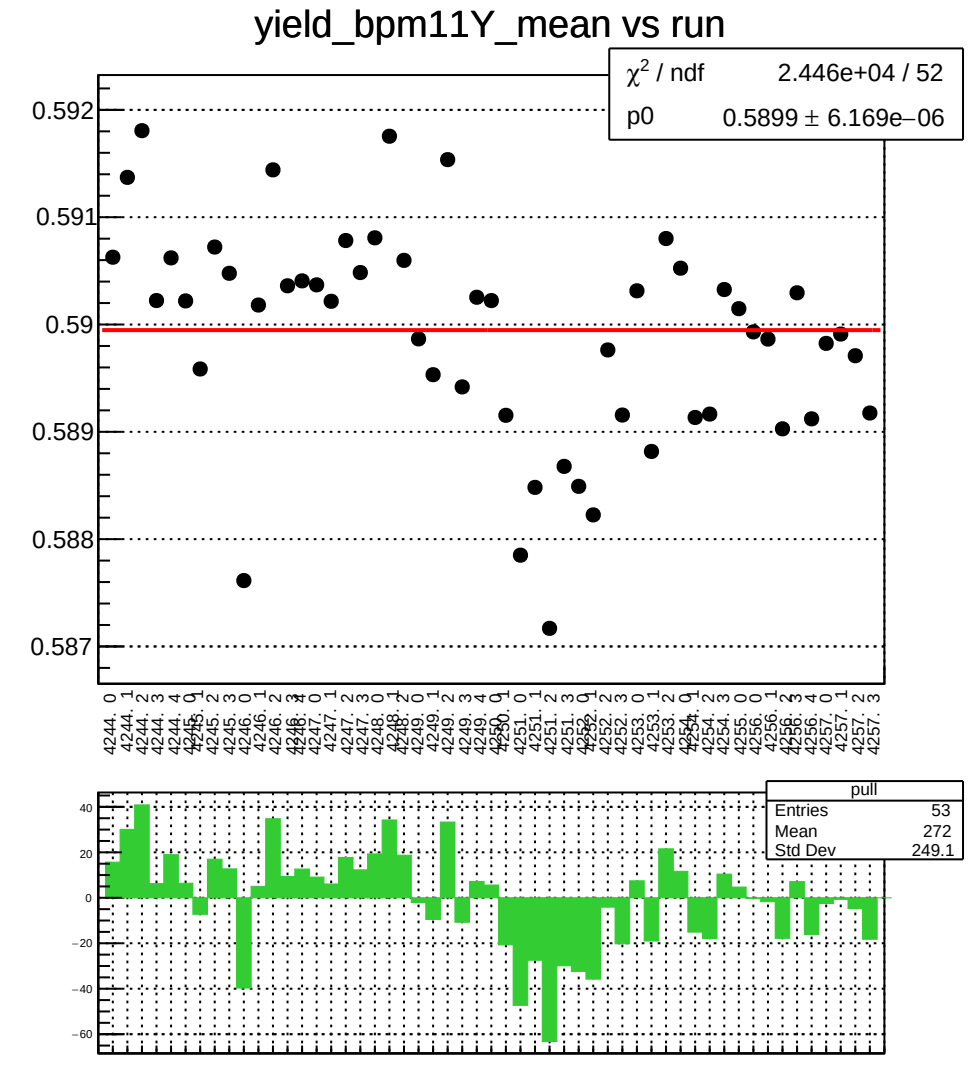

pull1D
Entries 53
Mean 0.6697
Std Dev 0

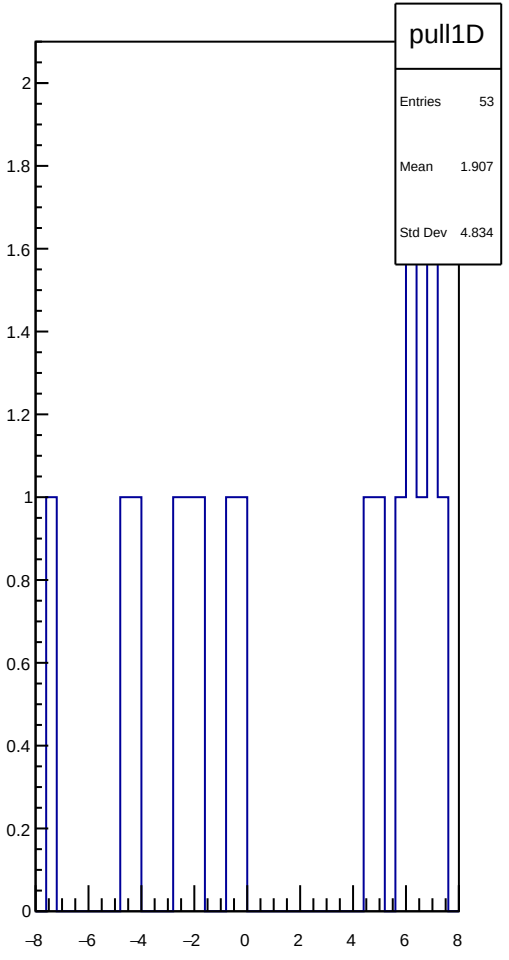

yield_bpm1Y_rms vs run
χ² / ndf 4.07e+05 / 52
p0 0.03919 ± 4.791e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

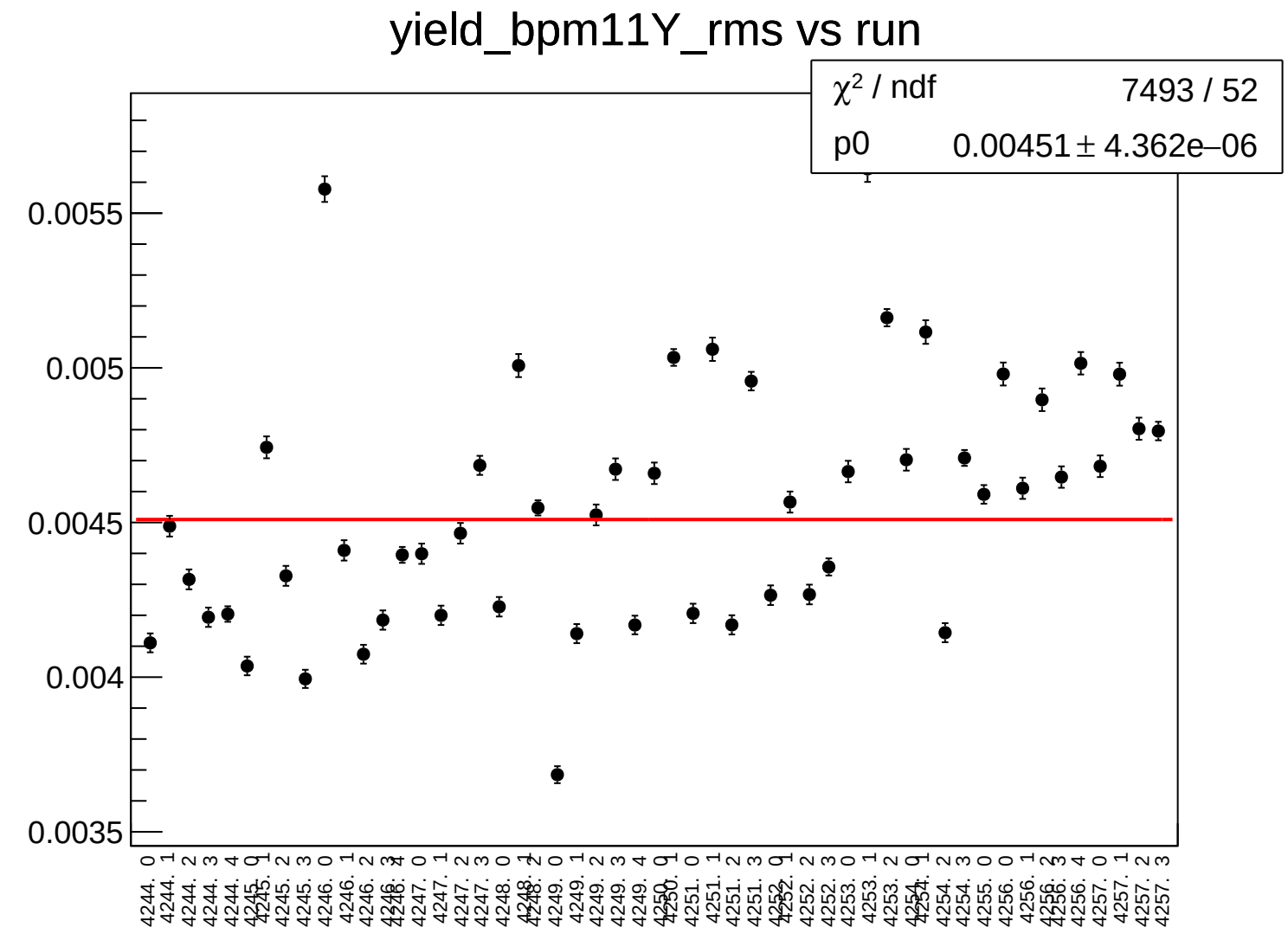

yield_bpm11X_mean vs run
χ² / ndf 2.686e+06 / 52
p0 1.195 ± 3.644e−05
1.3
1.25
1.2
1.15
1.1
pull
Entries 53
Mean 1455
Std Dev 1425
500
400
300
200
100
0
−100
−200

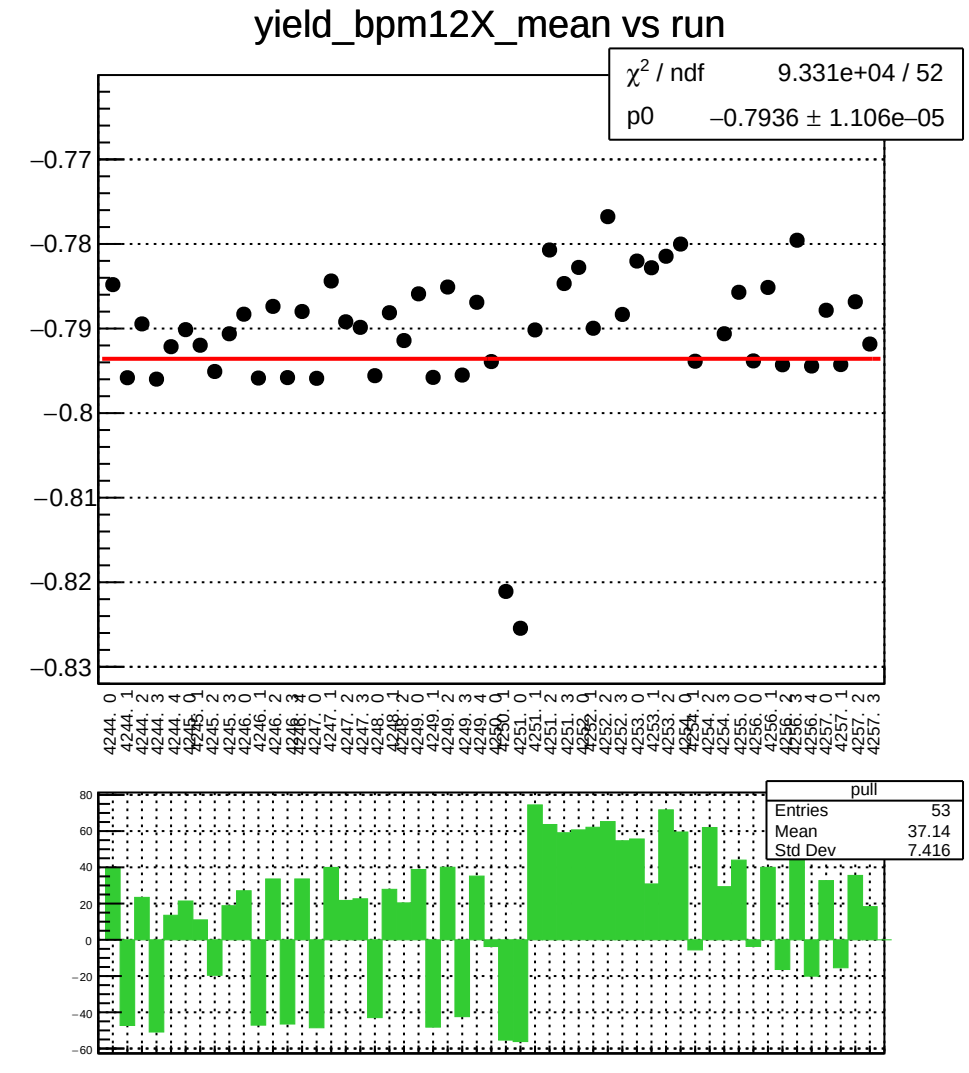

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

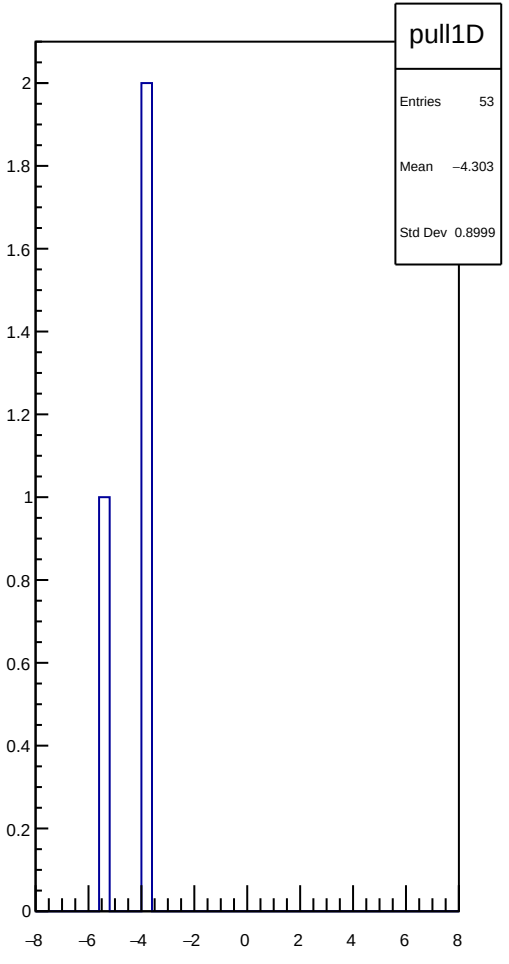

yield_bpm11X_rms vs run
χ² / ndf 5.284e+04 / 52
p0 0.02607 ± 2.577e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02

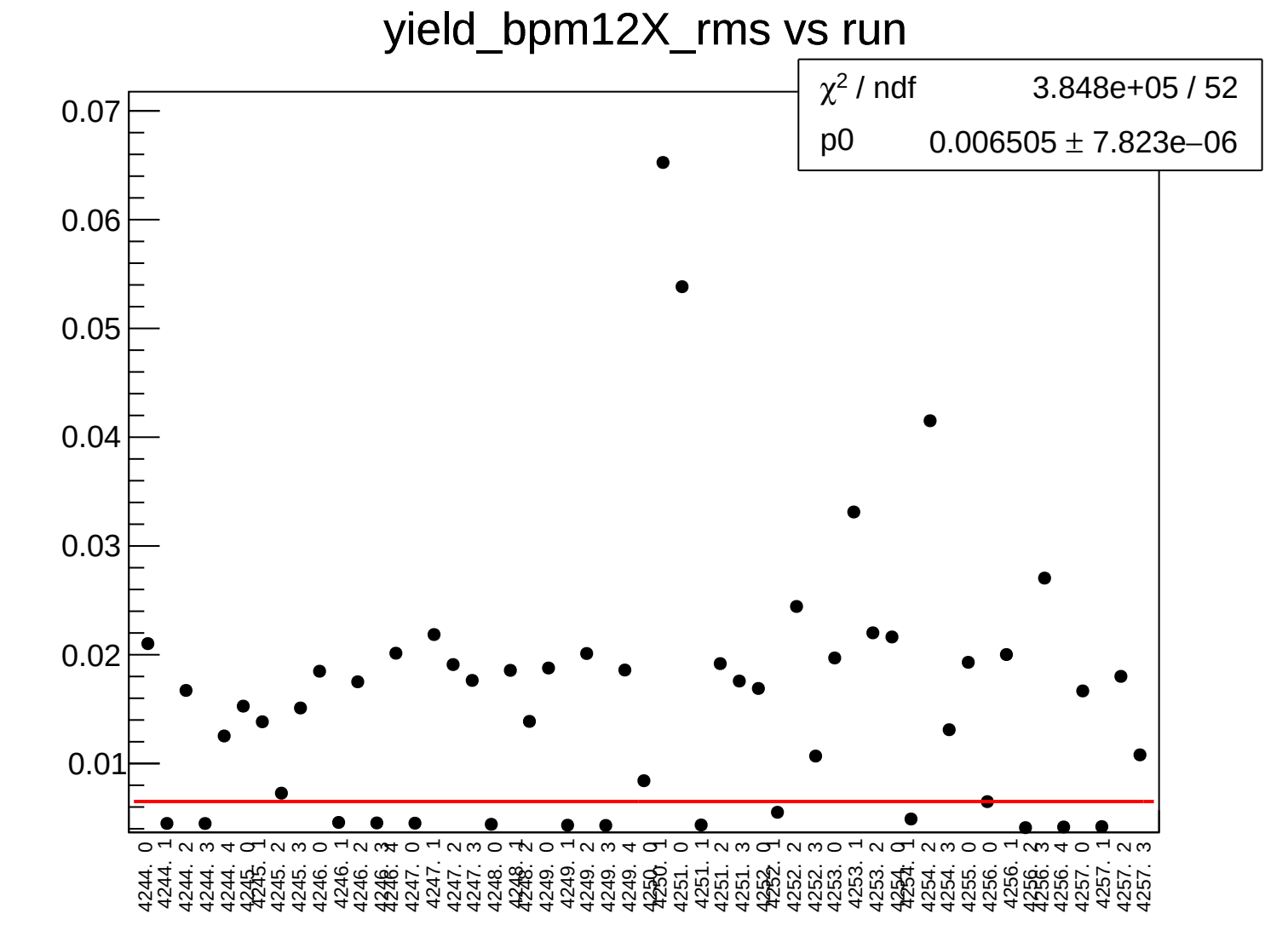

yield_bpm11Y_mean vs run
χ² / ndf 2.446e+04 / 52
p0 0.5899 ± 6.169e−06
0.592
0.591
0.59
0.589
0.588
0.587
pull
Entries 53
Mean 272
Std Dev 249.1
40
20
0
−20
−40
−60

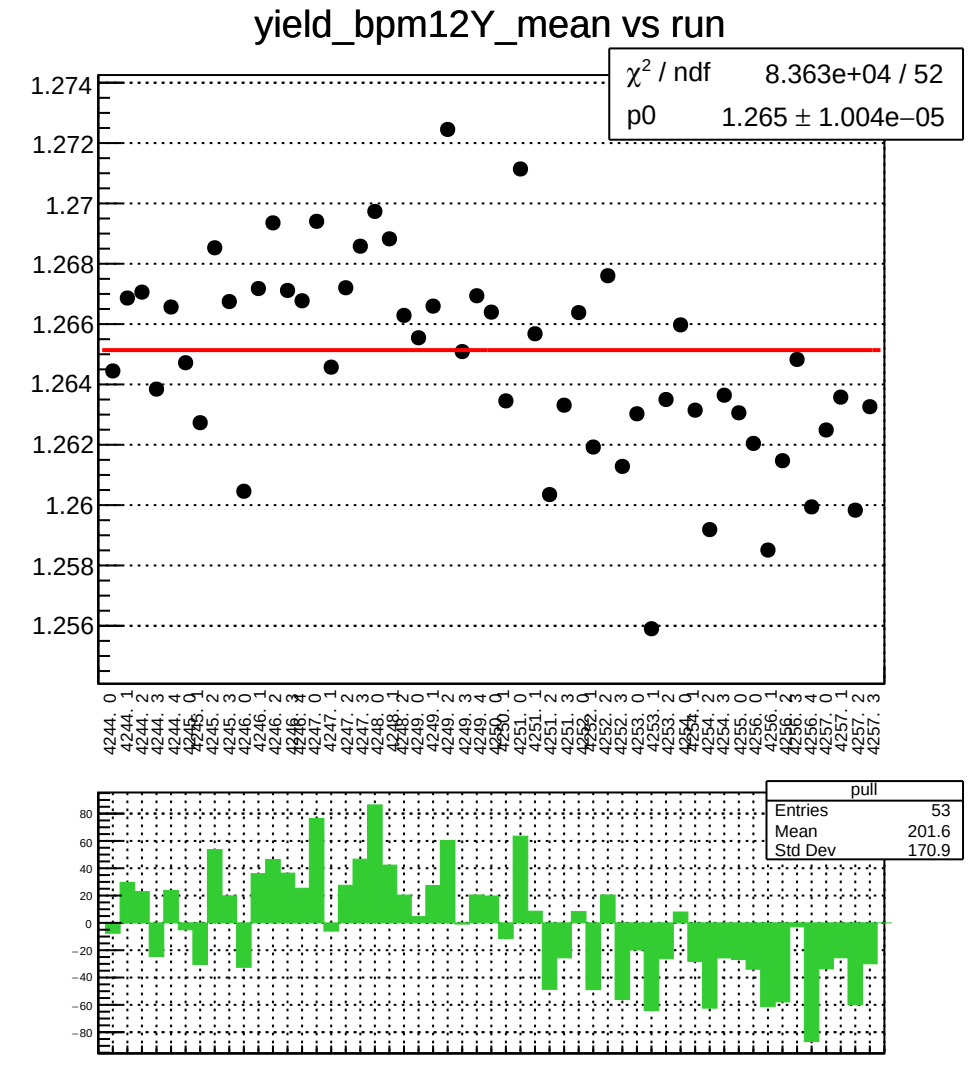

pull1D
Entries 53
Mean 1.907
Std Dev 4.834
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

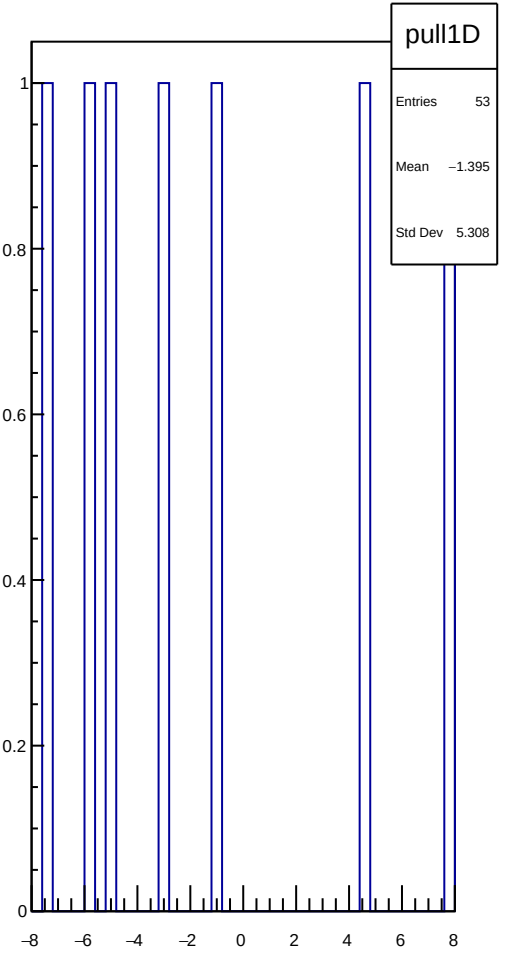

yield_bpm11Y_rms vs run
χ² / ndf 7493 / 52
p0 0.00451 ± 4.362e–06
0.0055
0.005
0.0045
0.004
0.0035
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

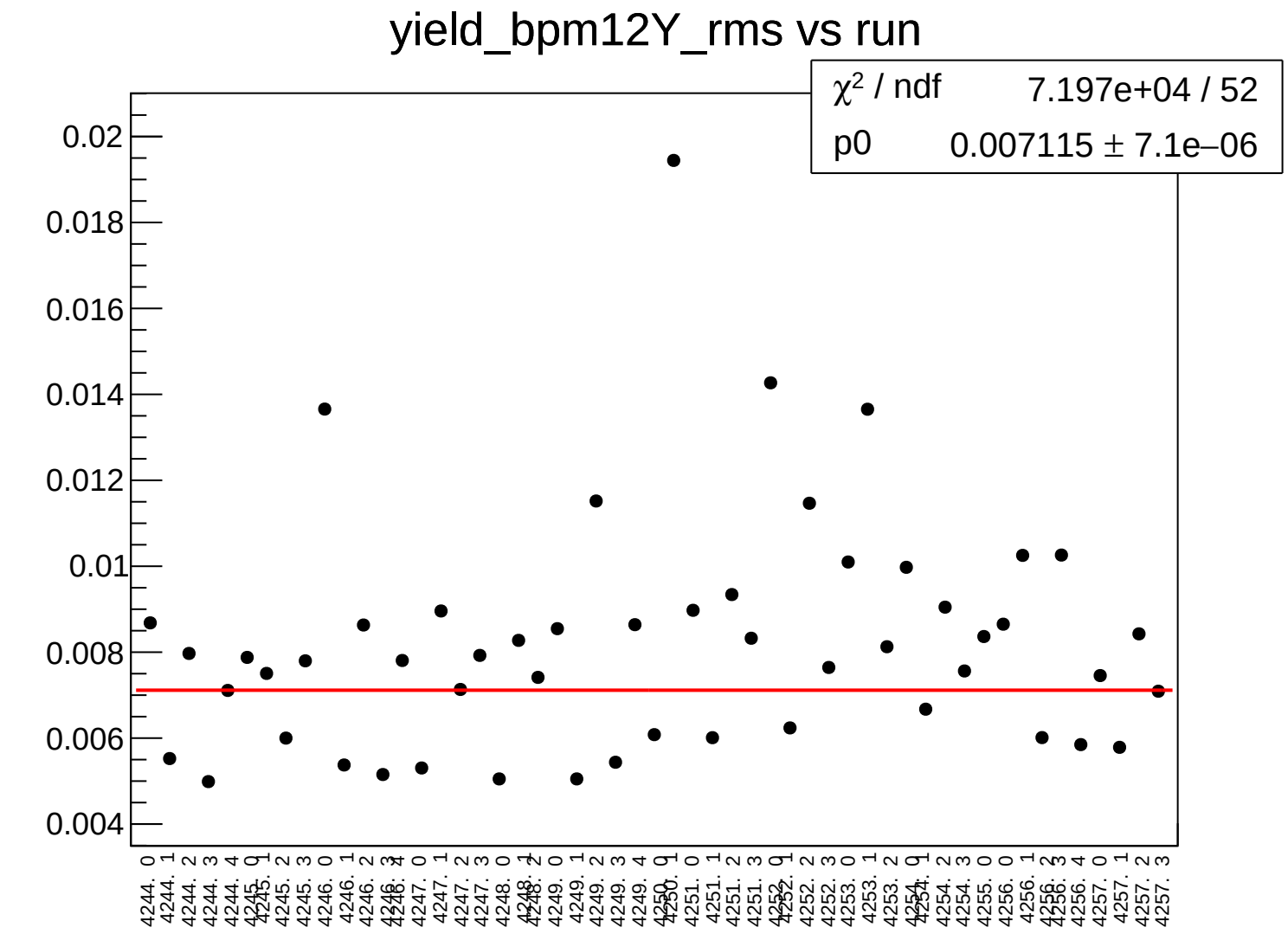

yield_bpm12X_mean vs run
χ² / ndf 9.331e+04 / 52
p0 −0.7936 ± 1.106e−05
−0.77
−0.78
−0.79
−0.8
−0.81
−0.82
−0.83
pull
Entries 53
Mean 37.14
Std Dev 7.416
80
60
40
20
0
−20
−40
−60

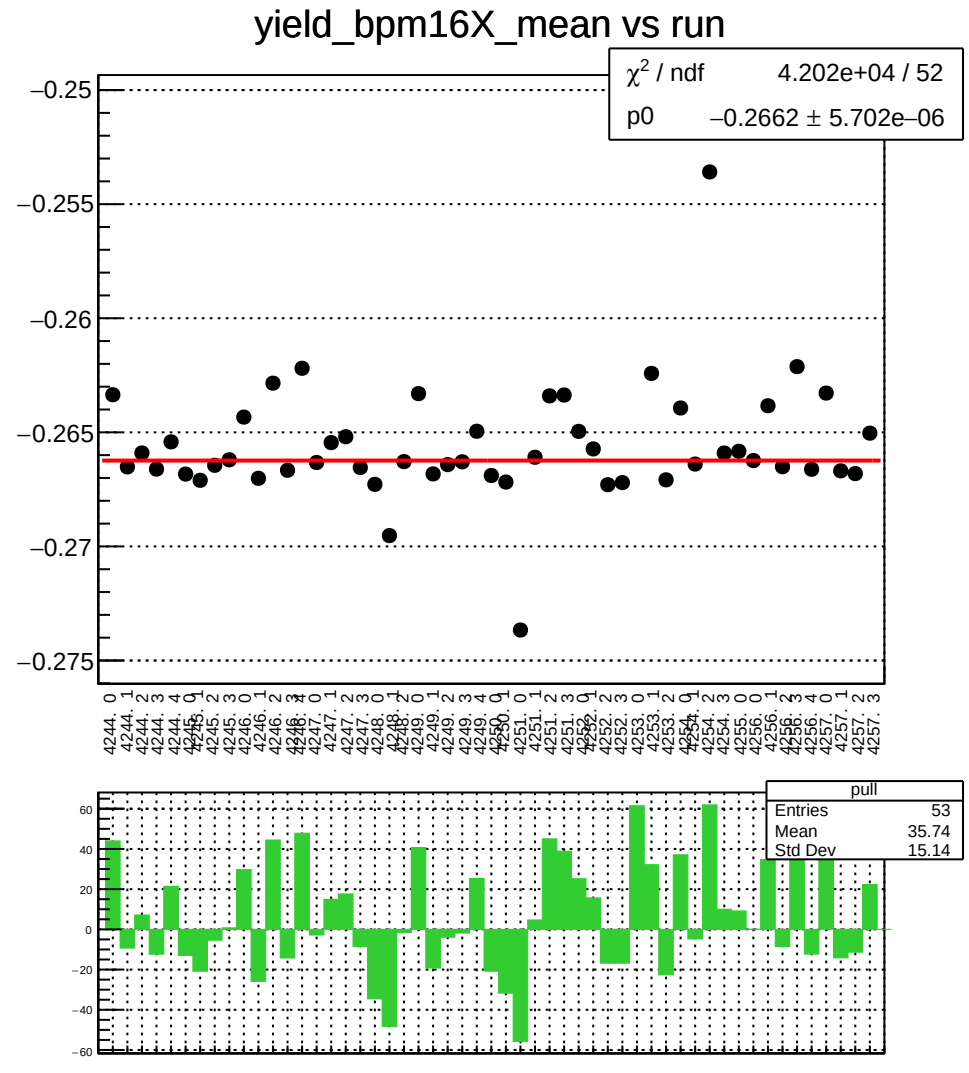

pull1D
Entries 53
Mean −4.303
Std Dev 0.8999
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

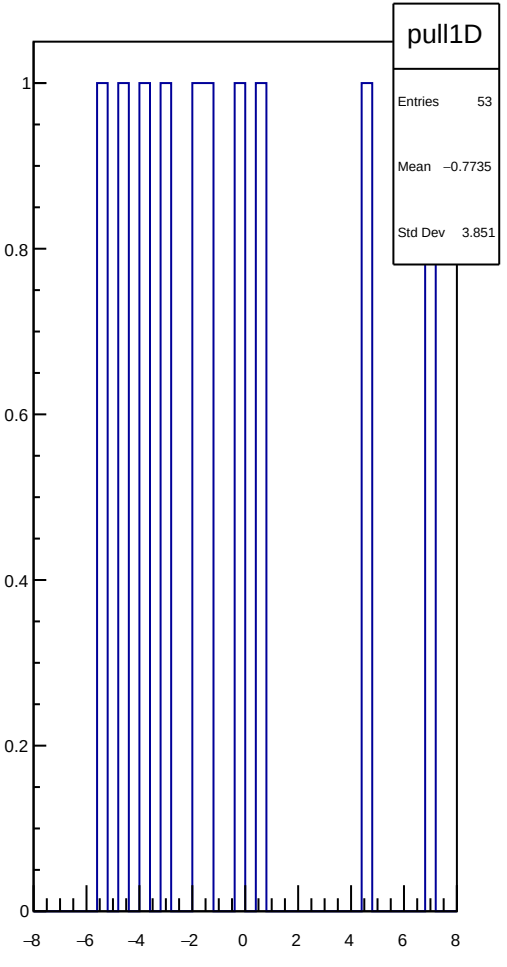

yield_bpm12X_rms vs run
χ² / ndf 3.848e+05 / 52
p0 0.006505 ± 7.823e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

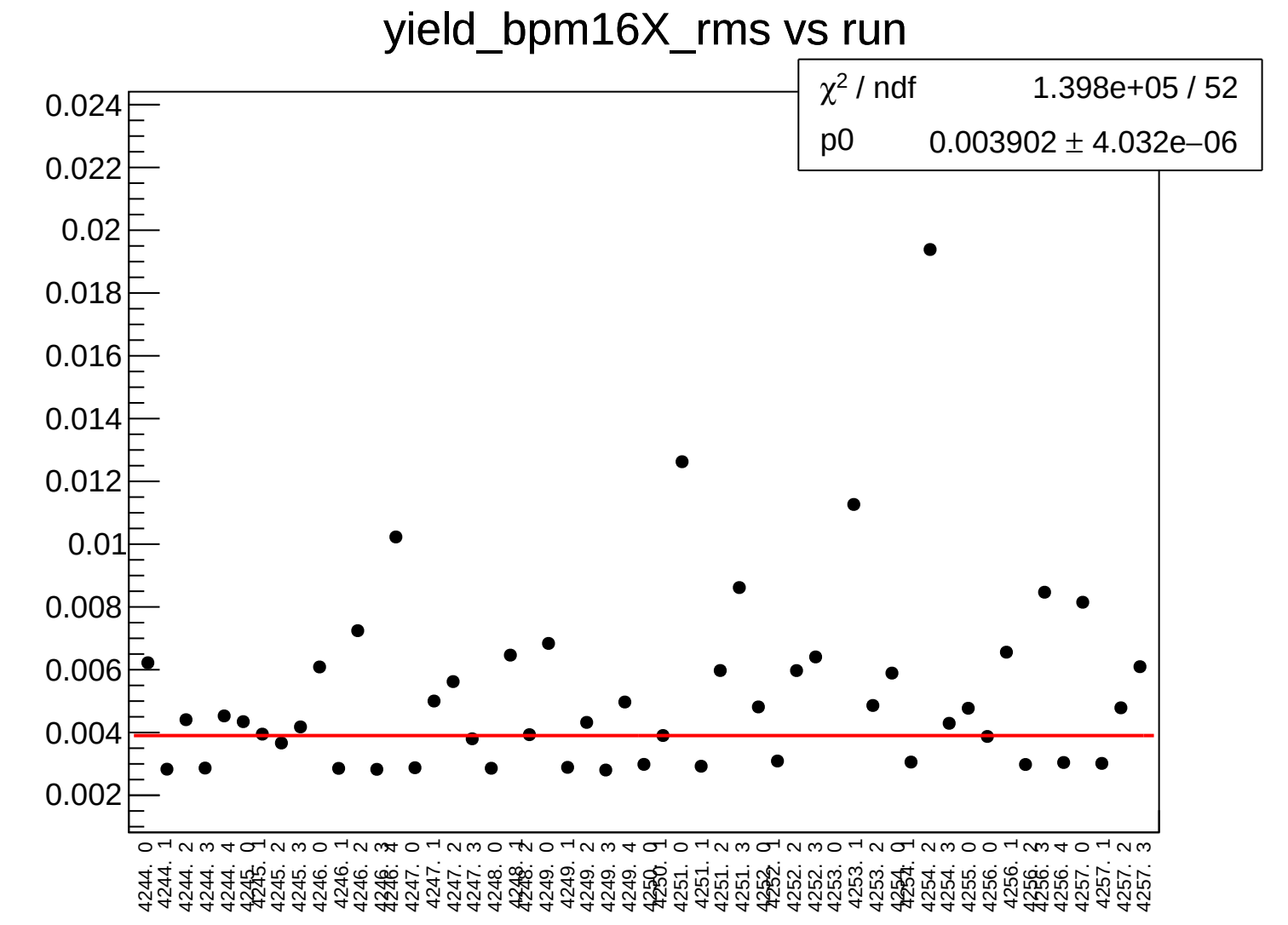

yield_bpm12Y_mean vs run
χ² / ndf 8.363e+04 / 52
p0 1.265 ± 1.004e−05
1.274
1.272
1.27
1.268
1.266
1.264
1.262
1.26
1.258
1.256
pull
Entries 53
Mean 201.6
Std Dev 170.9
80
60
40
20
0
−20
−40
−60
−80

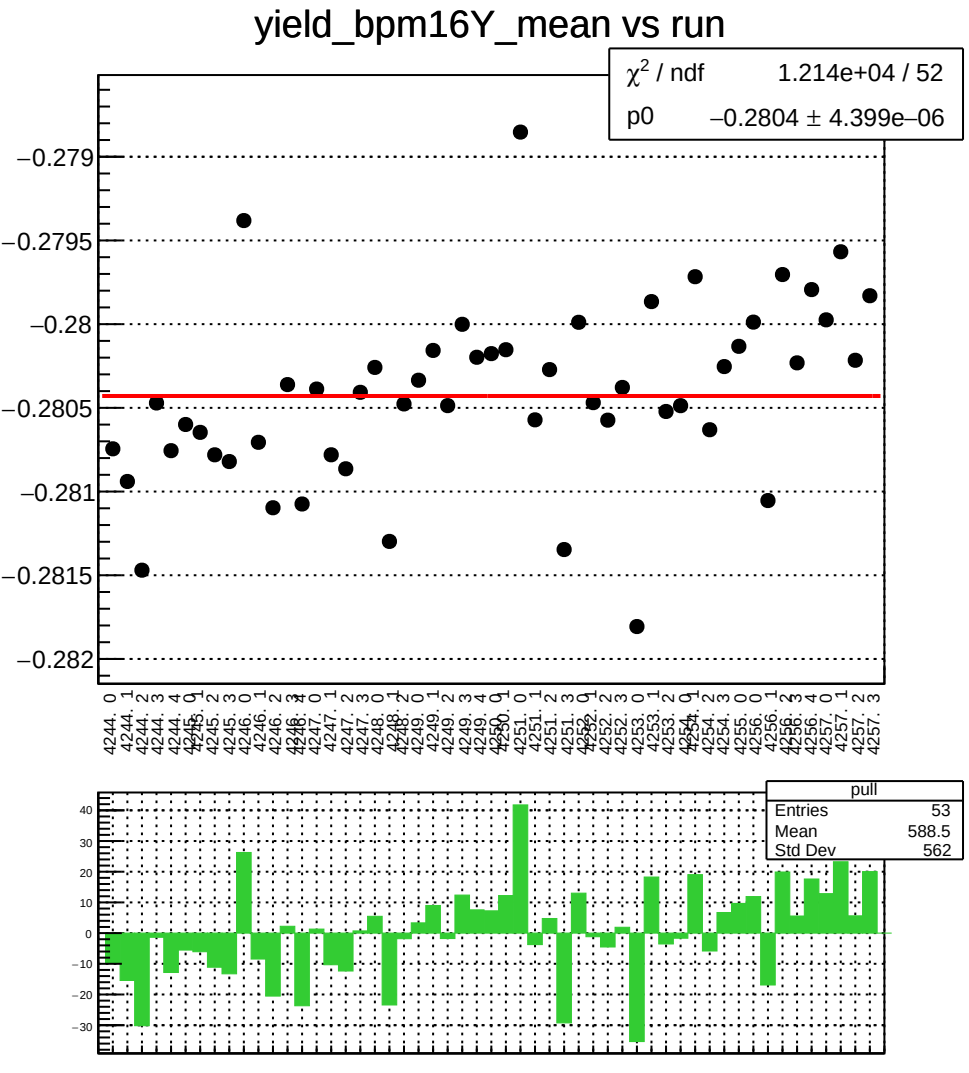

pull1D
Entries 53
Mean −1.395
Std Dev 5.308
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

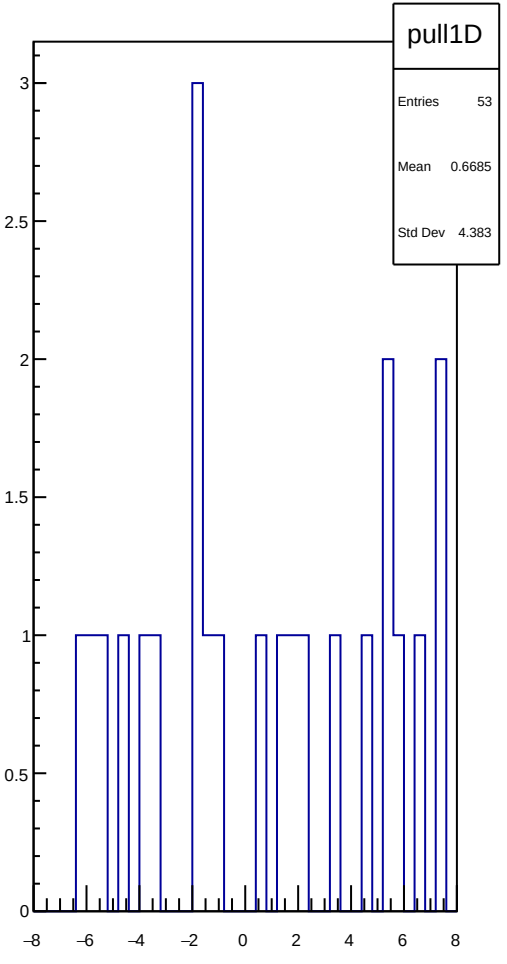

yield_bpm12Y_rms vs run
χ² / ndf 7.197e+04 / 52
p0 0.007115 ± 7.1e–06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

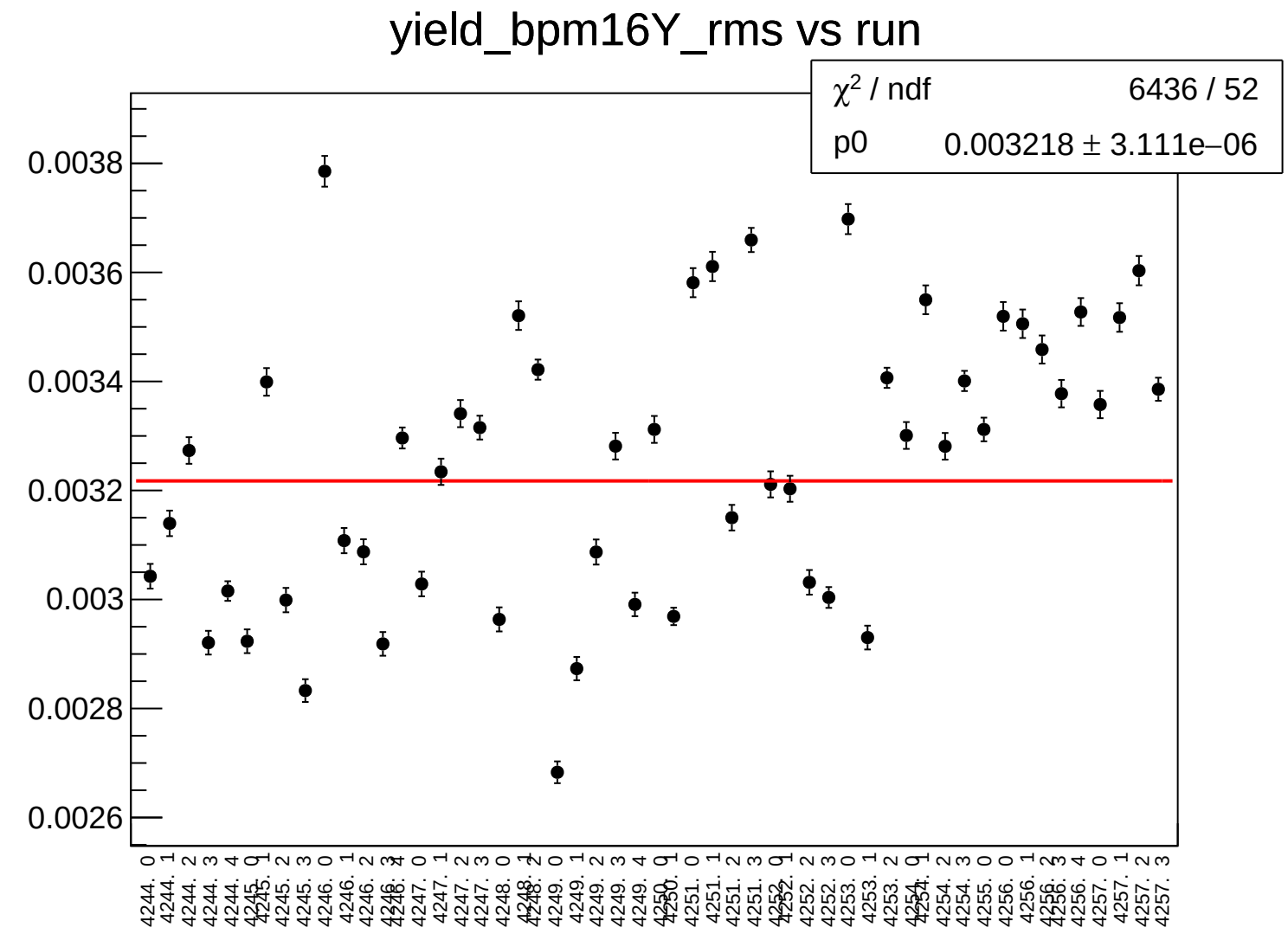

yield_bpm16X_mean vs run
χ² / ndf 4.202e+04 / 52
p0 −0.2662 ± 5.702e−06
−0.25
−0.255
−0.26
−0.265
−0.27
−0.275
pull
Entries 53
Mean 35.74
Std Dev 15.14
60
40
20
0
−20
−40
−60

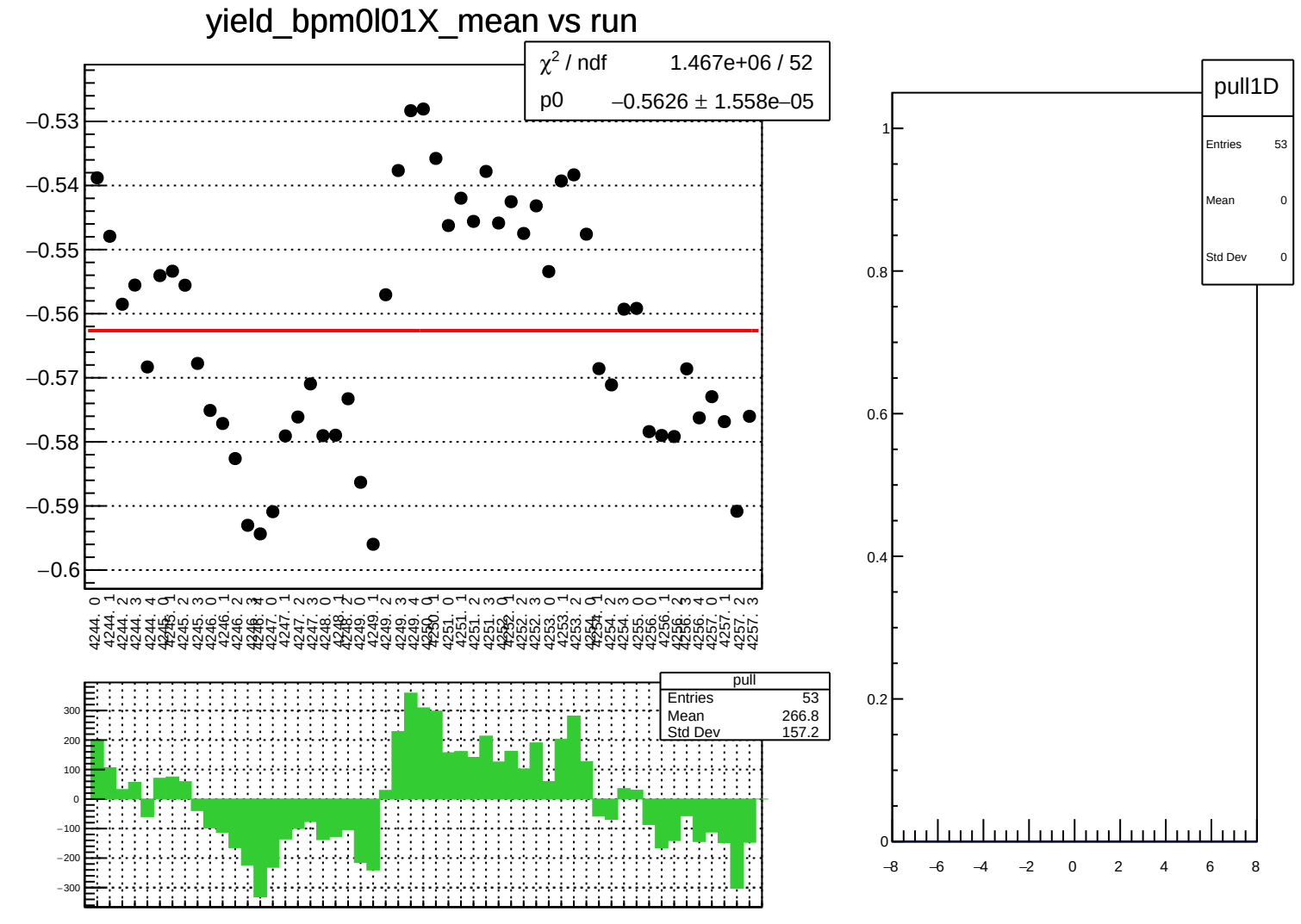

pull1D
Entries 53
Mean −0.7735
Std Dev 3.851
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

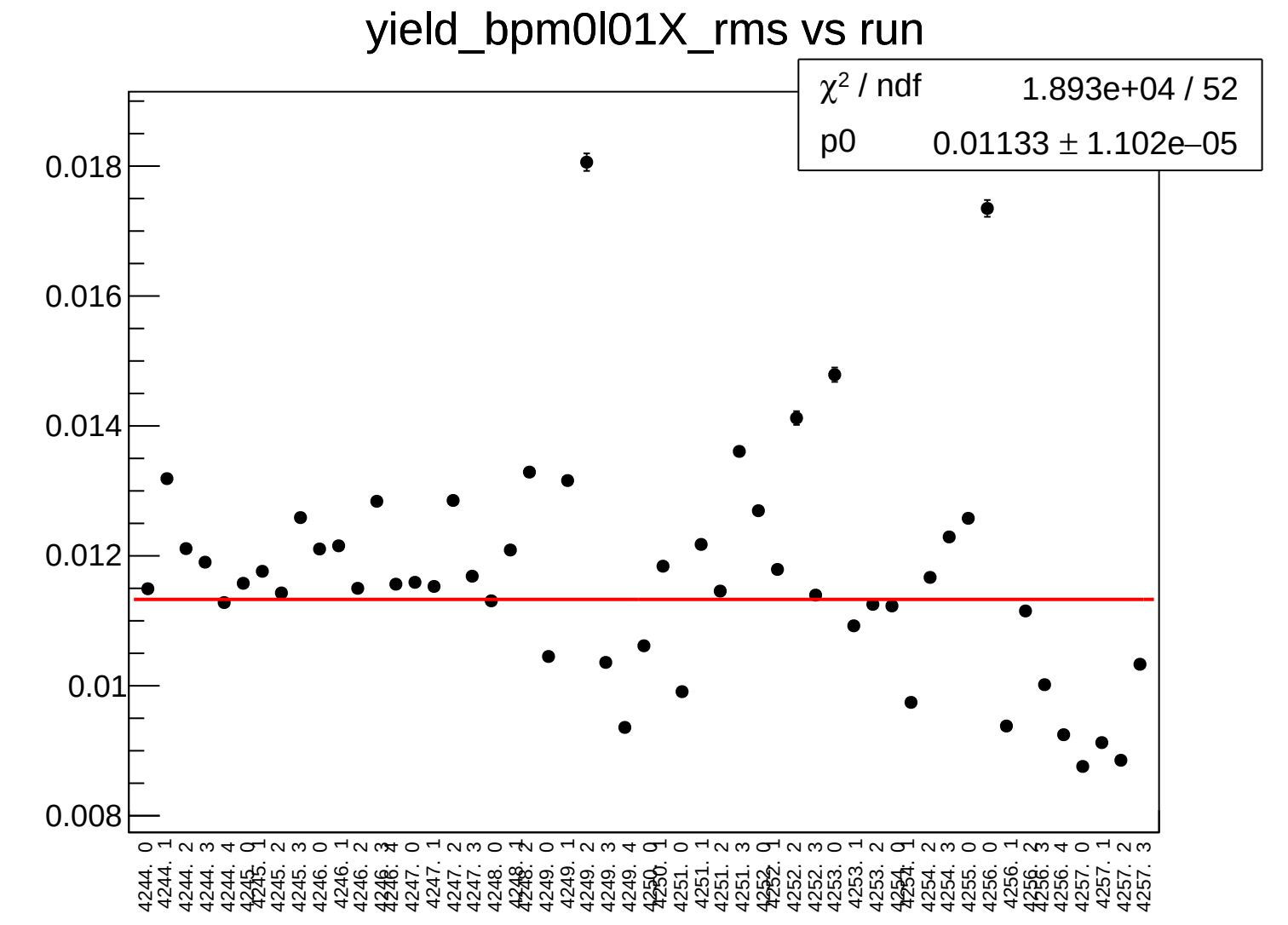

yield_bpm16X_rms vs run
χ² / ndf 1.398e+05 / 52
p0 0.003902 ± 4.032e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

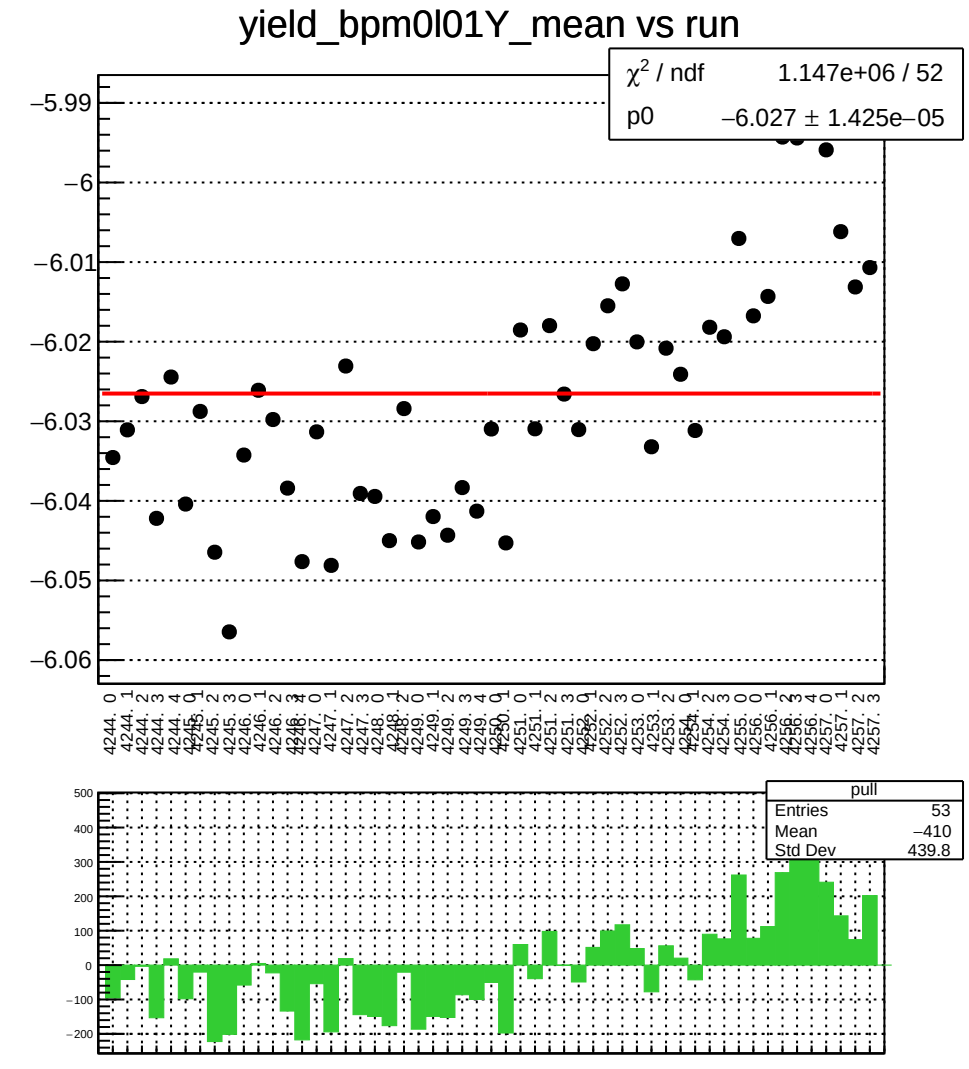

yield_bpm16Y_mean vs run
χ² / ndf 1.214e+04 / 52
p0 −0.2804 ± 4.399e−06
−0.279
−0.2795
−0.28
−0.2805
−0.281
−0.2815
−0.282
pull
Entries 53
Mean 588.5
Std Dev 562

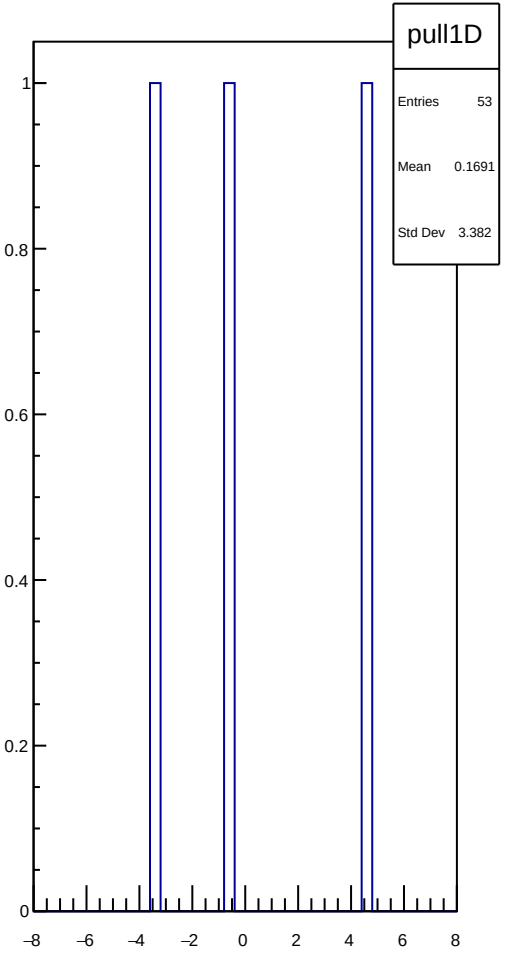

pull1D
Entries 53
Mean 0.6685
Std Dev 4.383

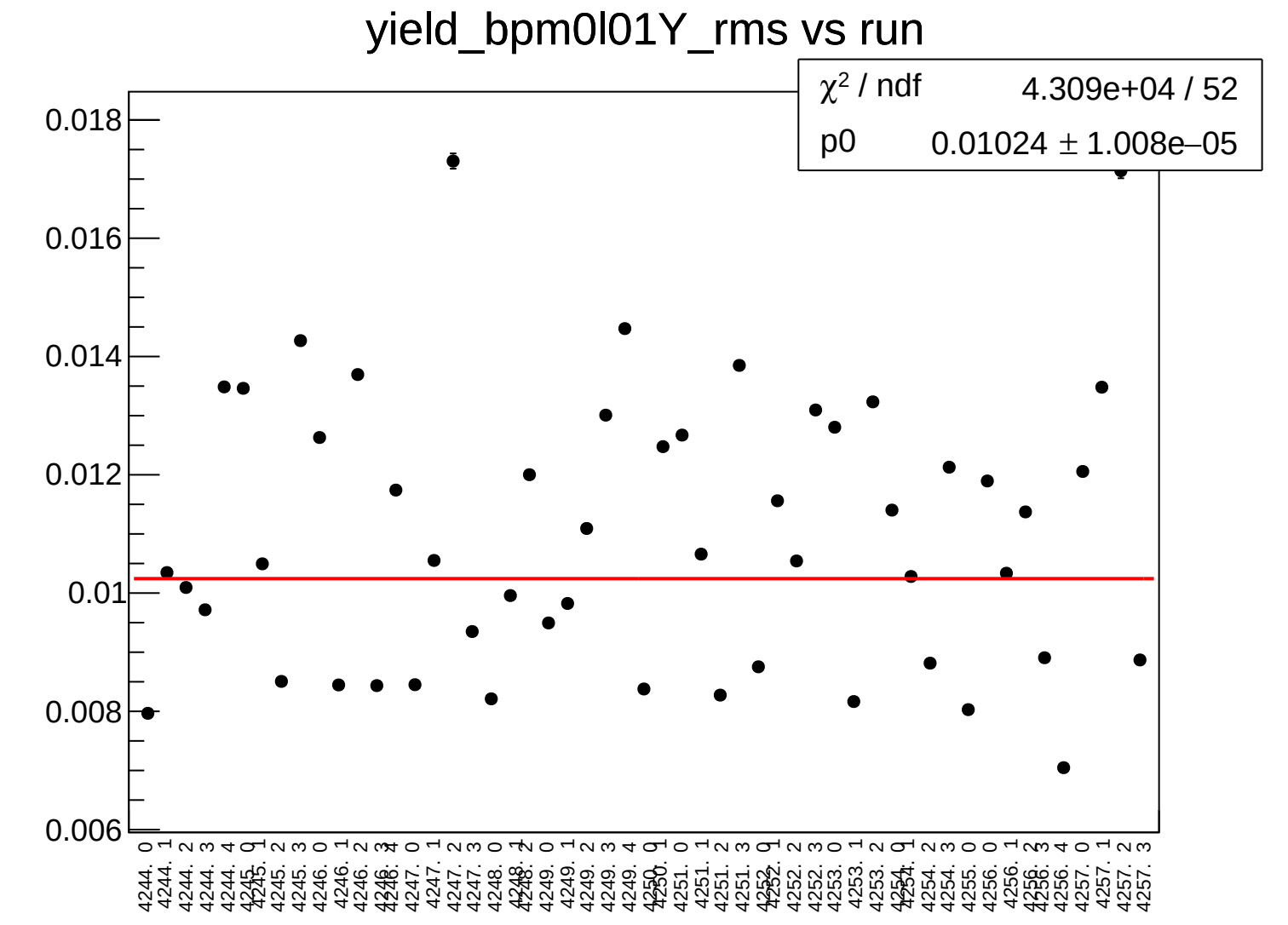

yield_bpm16Y_rms vs run
χ² / ndf 6436 / 52
p0 0.003218 ± 3.111e−06
0.0038
0.0036
0.0034
0.0032
0.003
0.0028
0.0026
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

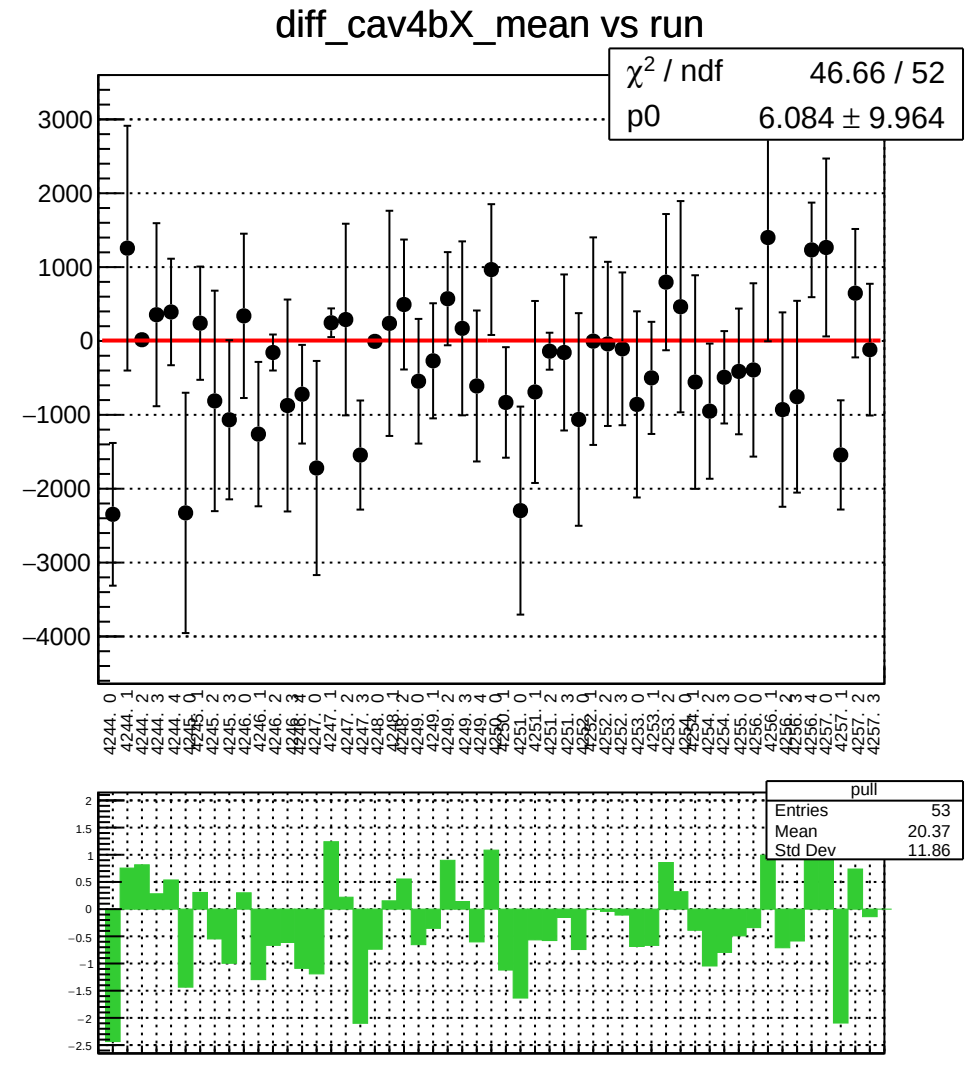

yield_bpm0l01X_mean vs run
χ² / ndf 1.467e+06 / 52
p0 −0.5626 ± 1.558e−05
pull
Entries 53
Mean 266.8
Std Dev 157.2
pull1D
Entries 53
Mean 0
Std Dev 0

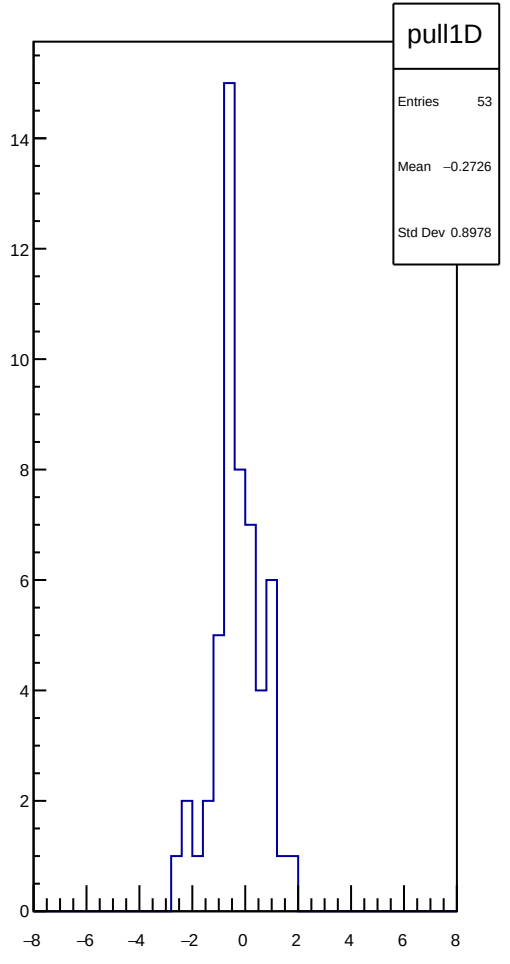

yield_bpm0l01X_rms vs run
χ² / ndf 1.893e+04 / 52
p0 0.01133 ± 1.102e–05
0.018
0.016
0.014
0.012
0.01
0.008
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

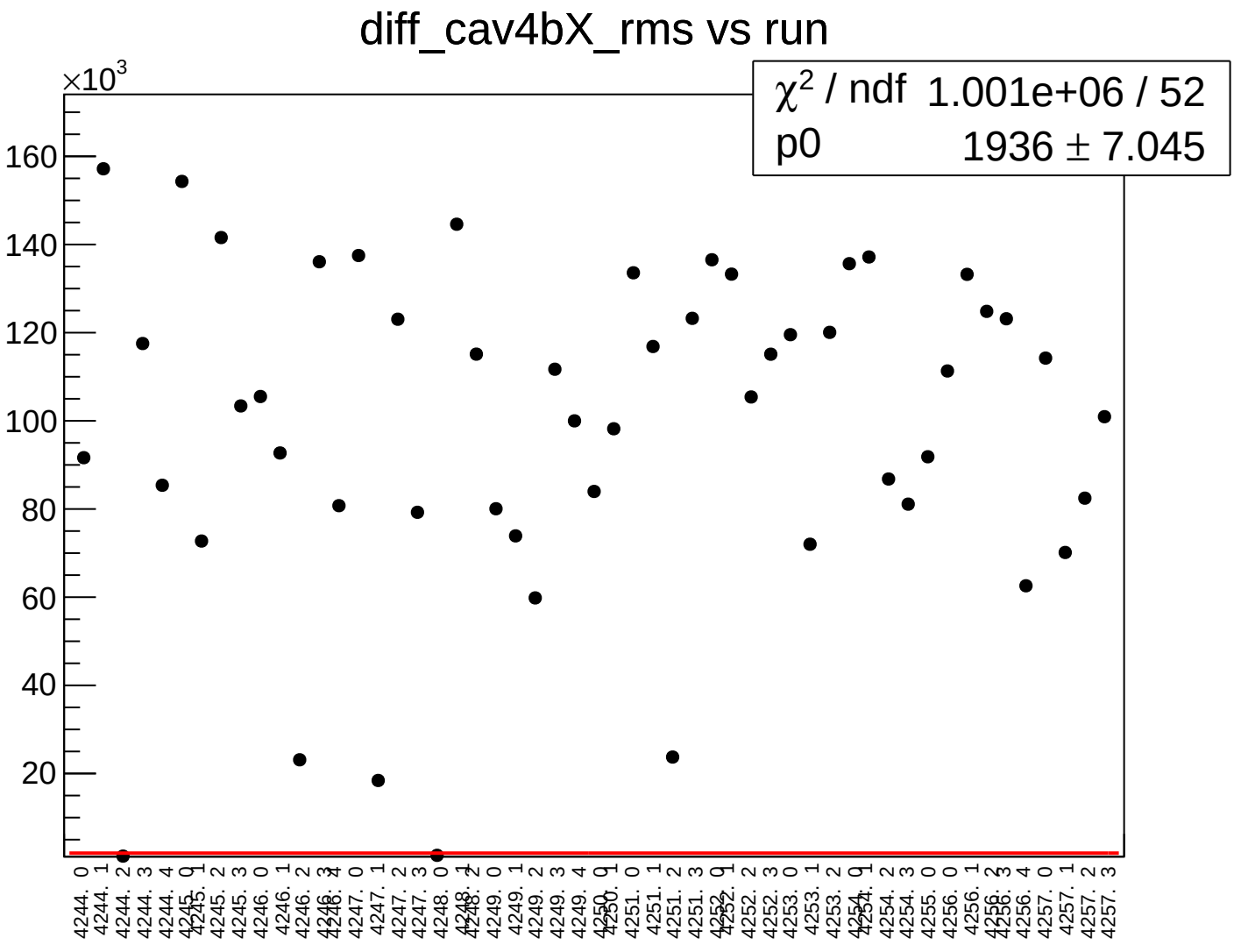

yield_bpm0l01Y_mean vs run
χ² / ndf 1.147e+06 / 52
p0 −6.027 ± 1.425e−05
−5.99
−6
−6.01
−6.02
−6.03
−6.04
−6.05
−6.06
pull
Entries 53
Mean −410
Std Dev 439.8
500
400
300
200
100
0
−100
−200

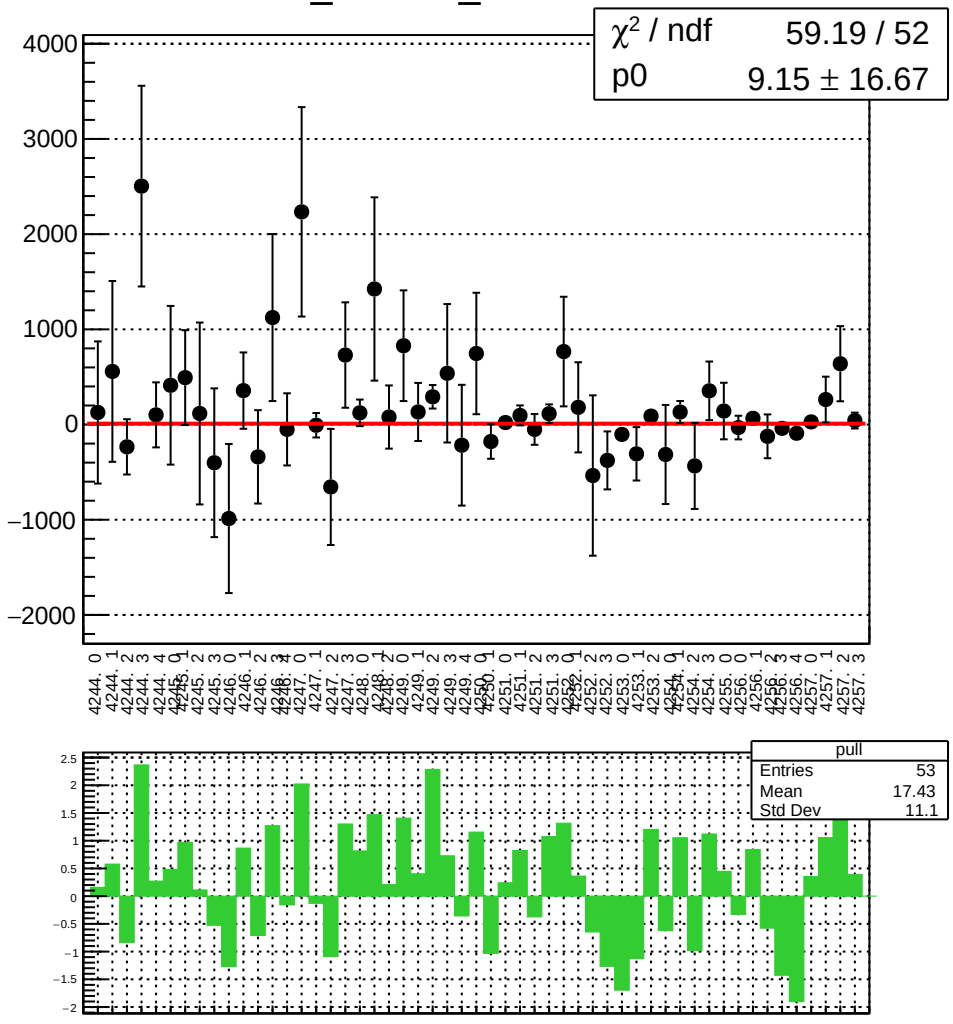

pull1D
Entries 53
Mean 0.1691
Std Dev 3.382
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

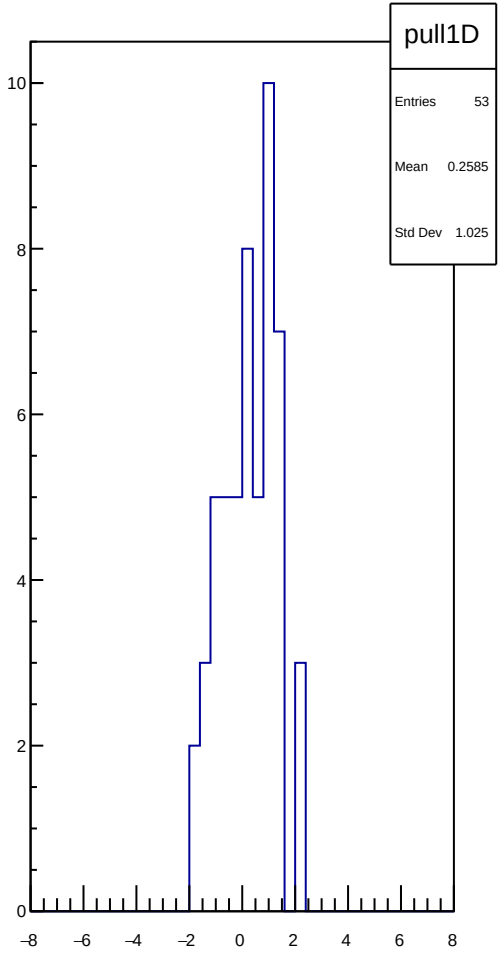

yield_bpm0l01Y_rms vs run
χ² / ndf 4.309e+04 / 52
p0 0.01024 ± 1.008e−05
0.018
0.016
0.014
0.012
0.01
0.008
0.006
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

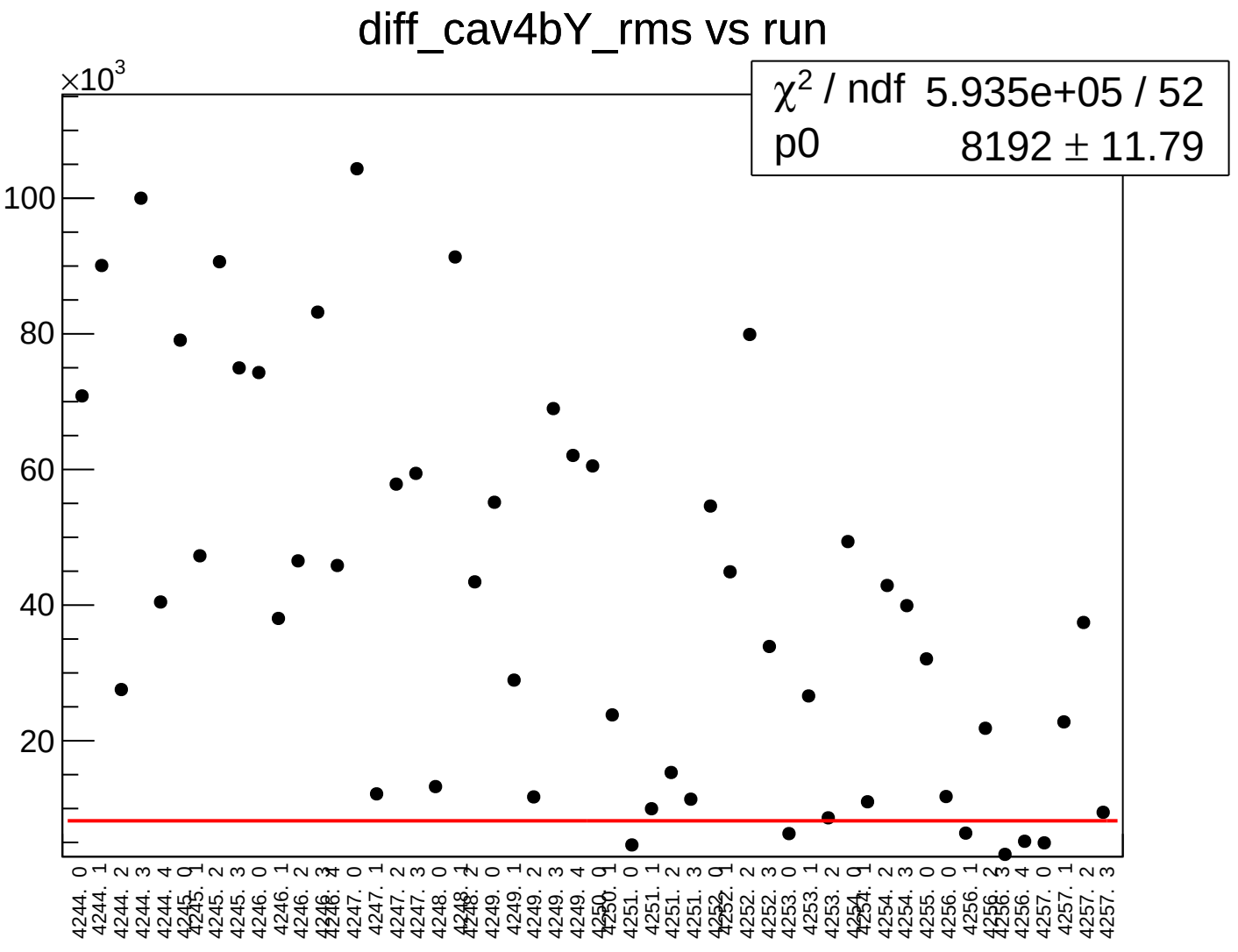

diff_cav4bX_mean vs run
χ² / ndf 46.66 / 52
p0 6.084 ± 9.964
pull
Entries 53
Mean 20.37
Std Dev 11.86

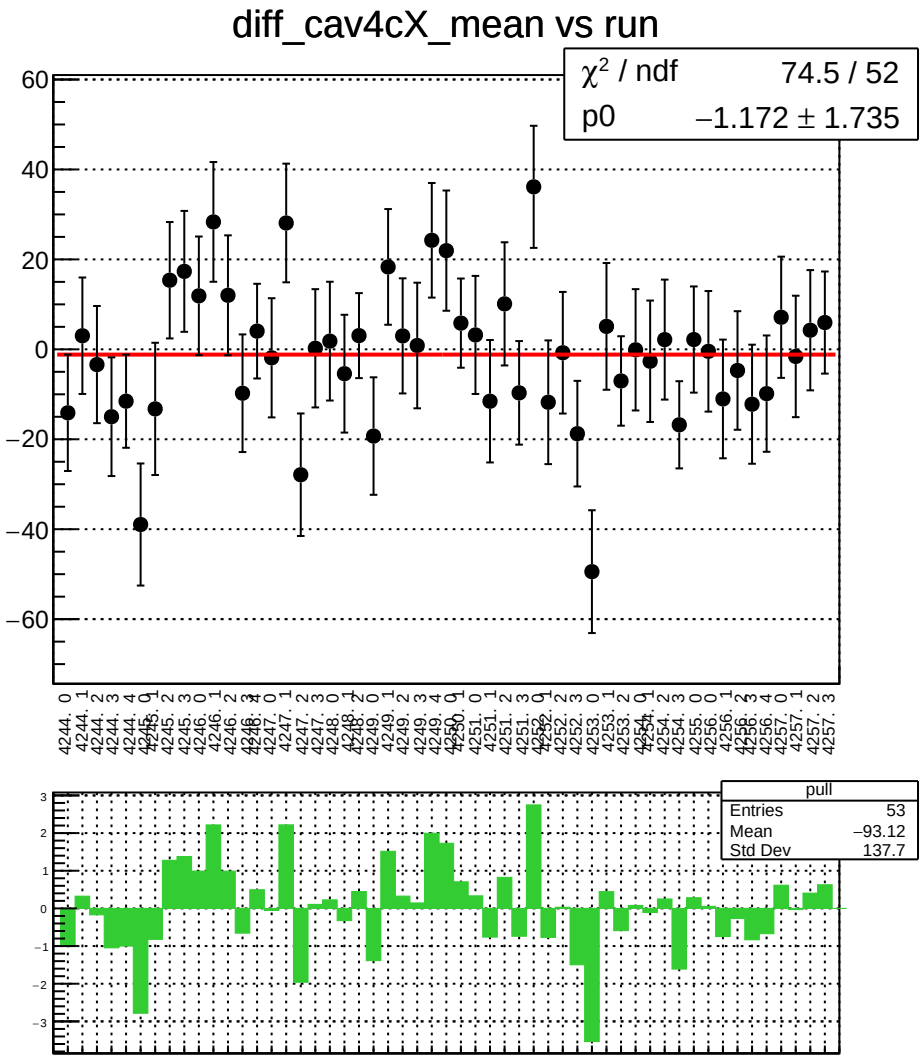

pull1D
Entries 53
Mean −0.2726
Std Dev 0.8978

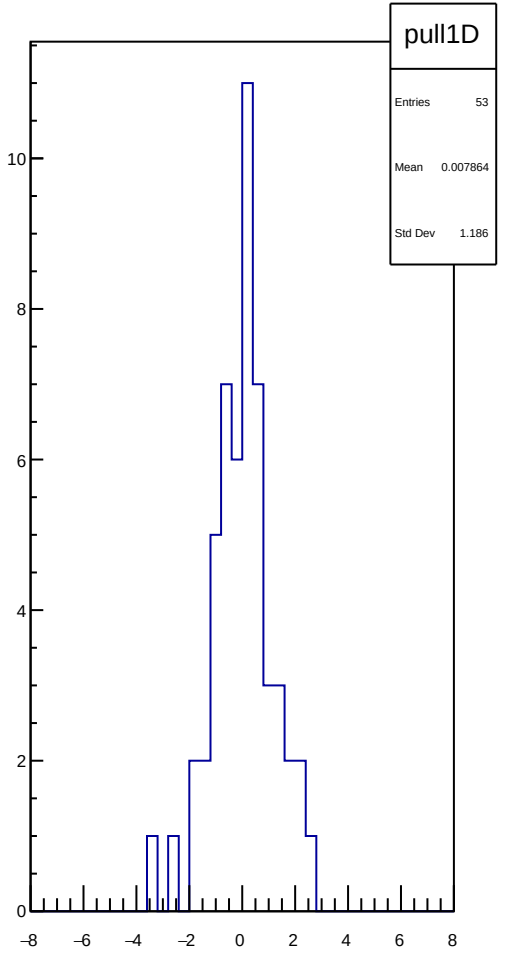

diff_cav4bX_rms vs run
×10^3
χ^2 / ndf 1.001e+06 / 52
p0 1936 ± 7.045
160
140
120
100
80
60
40
20
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

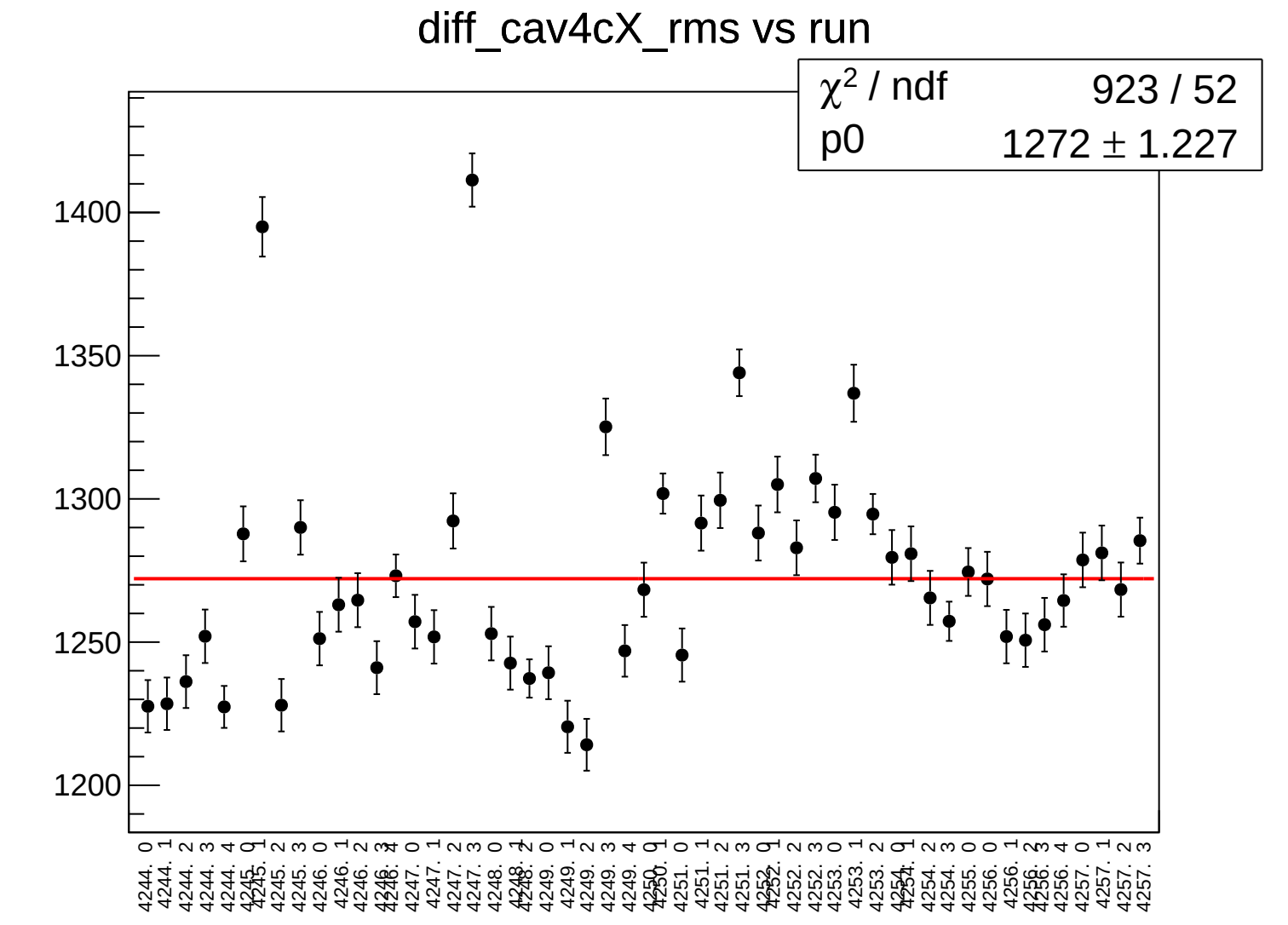

diff_cav4bY_mean vs run
χ² / ndf 59.19 / 52
p0 9.15 ± 16.67
pull
Entries 53
Mean 17.43
Std Dev 11.1

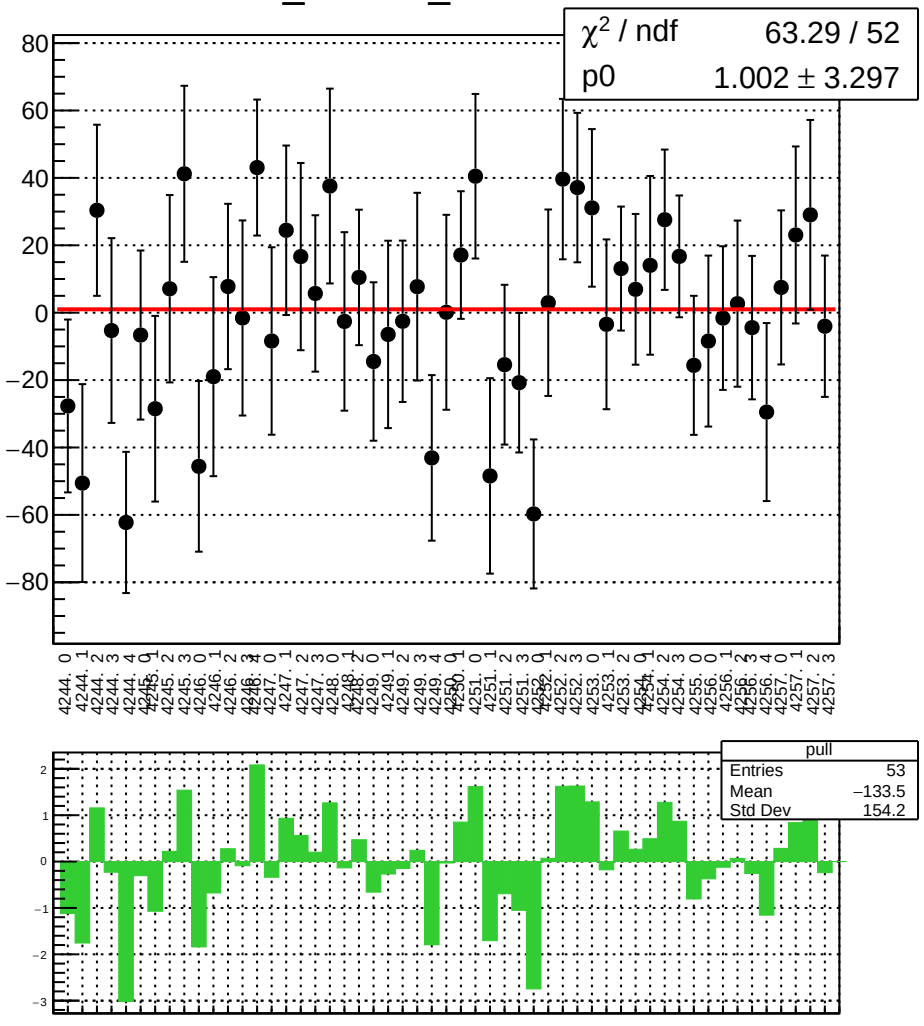

pull1D
Entries 53
Mean 0.2585
Std Dev 1.025

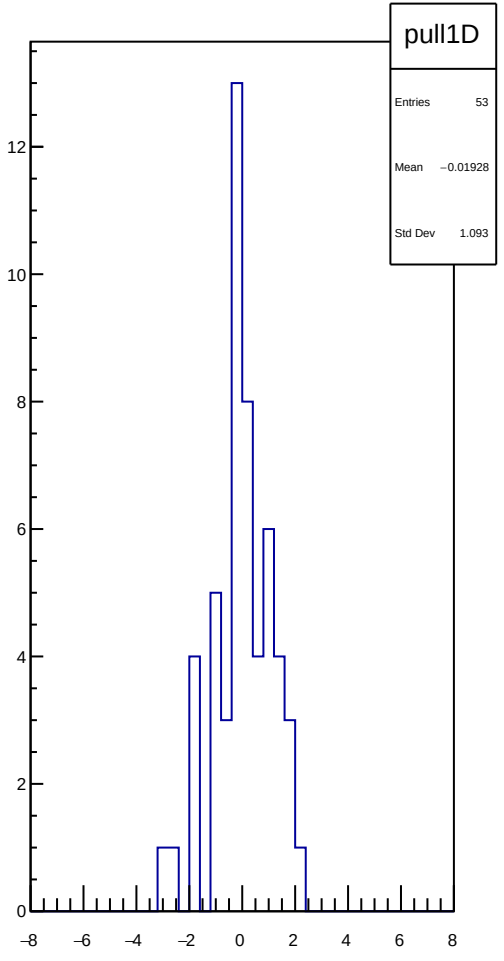

diff_cav4bY_rms vs run
×10^3
χ^2 / ndf 5.935e+05 / 52
p0 8192 ± 11.79
100
80
60
40
20
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

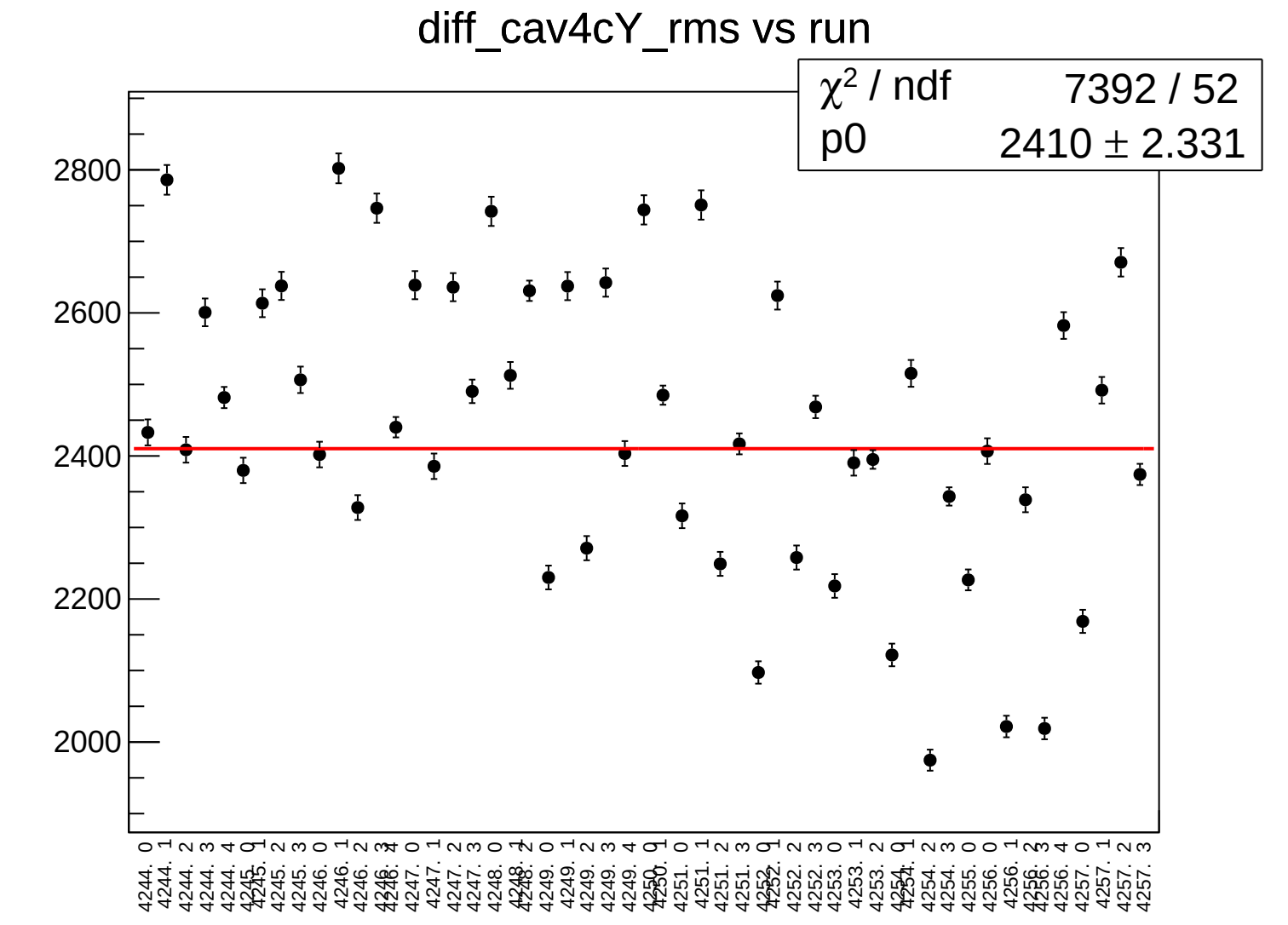

diff_cav4cX_mean vs run
χ^2 / ndf 74.5 / 52
p0 −1.172 ± 1.735
pull
Entries 53
Mean −93.12
Std Dev 137.7

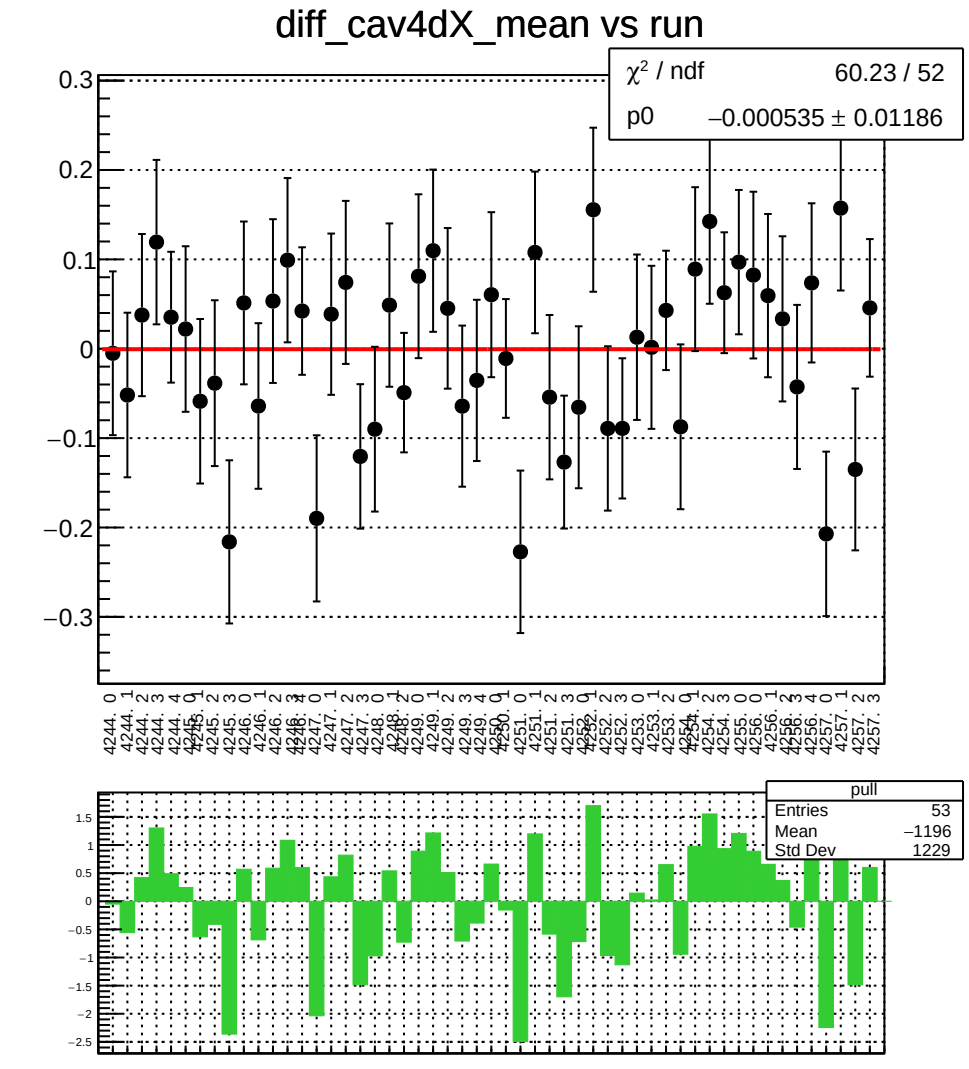

pull1D
Entries 53
Mean 0.007864
Std Dev 1.186

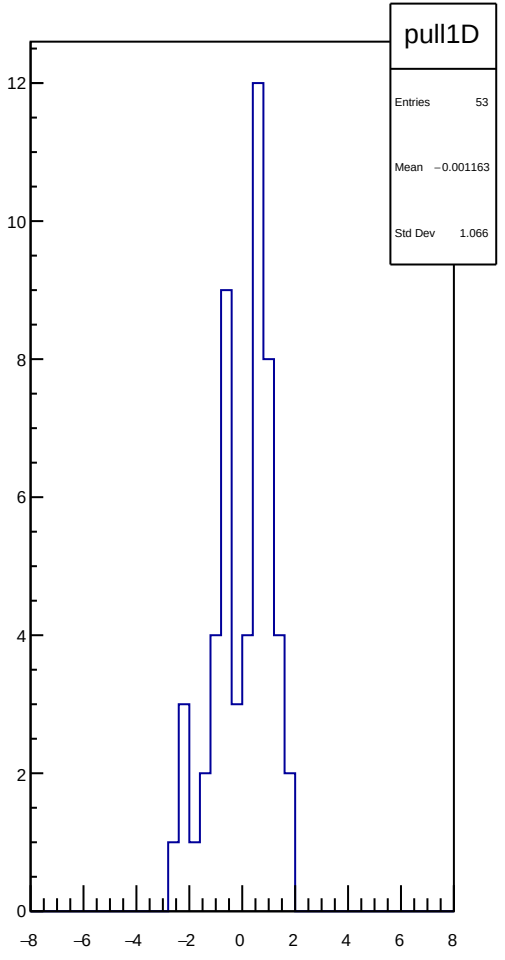

diff_cav4cX_rms vs run
χ² / ndf 923 / 52
p0 1272 ± 1.227
1400
1350
1300
1250
1200
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

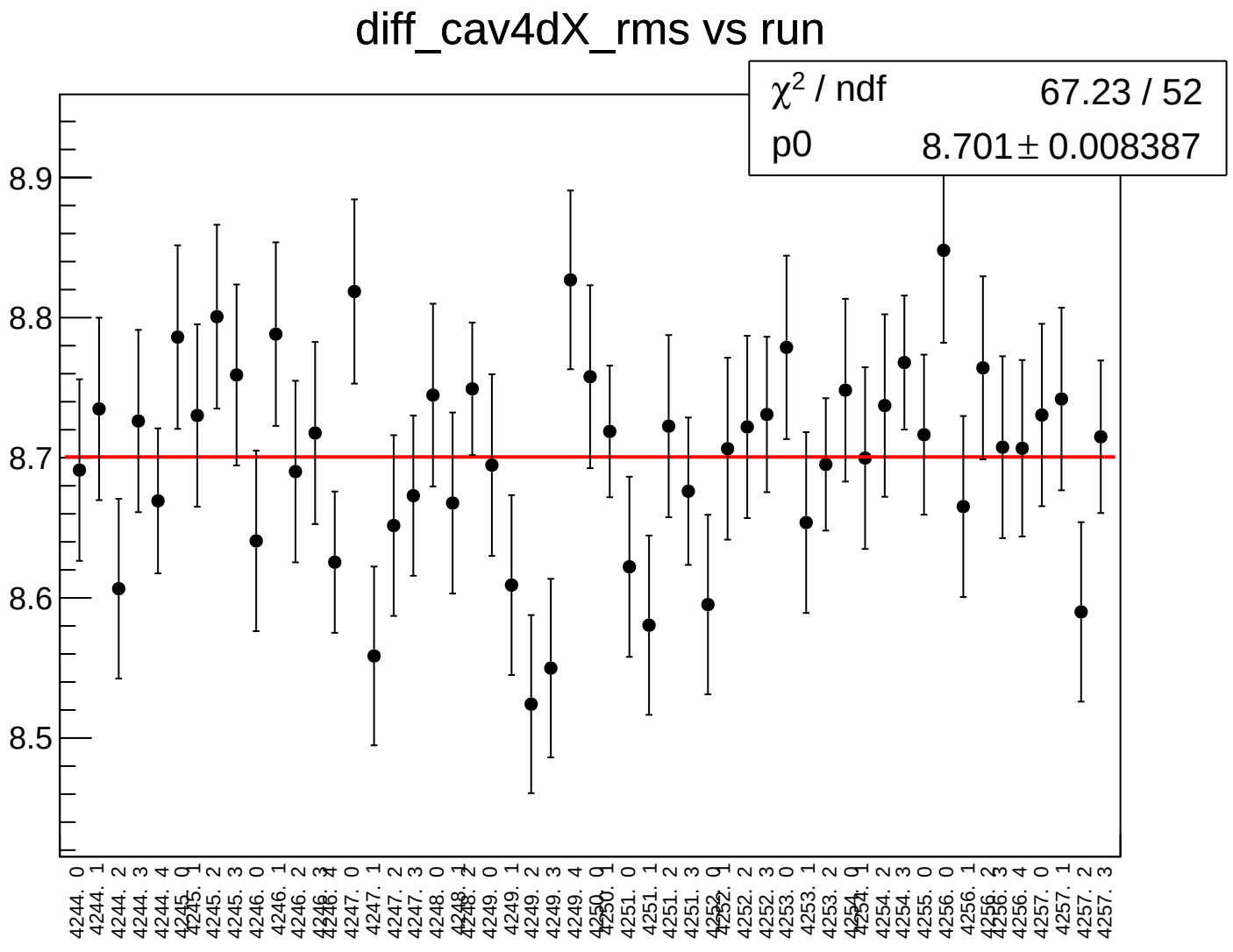

diff_cav4cY_mean vs run
χ² / ndf 63.29 / 52
p0 1.002 ± 3.297
pull
Entries 53
Mean −133.5
Std Dev 154.2

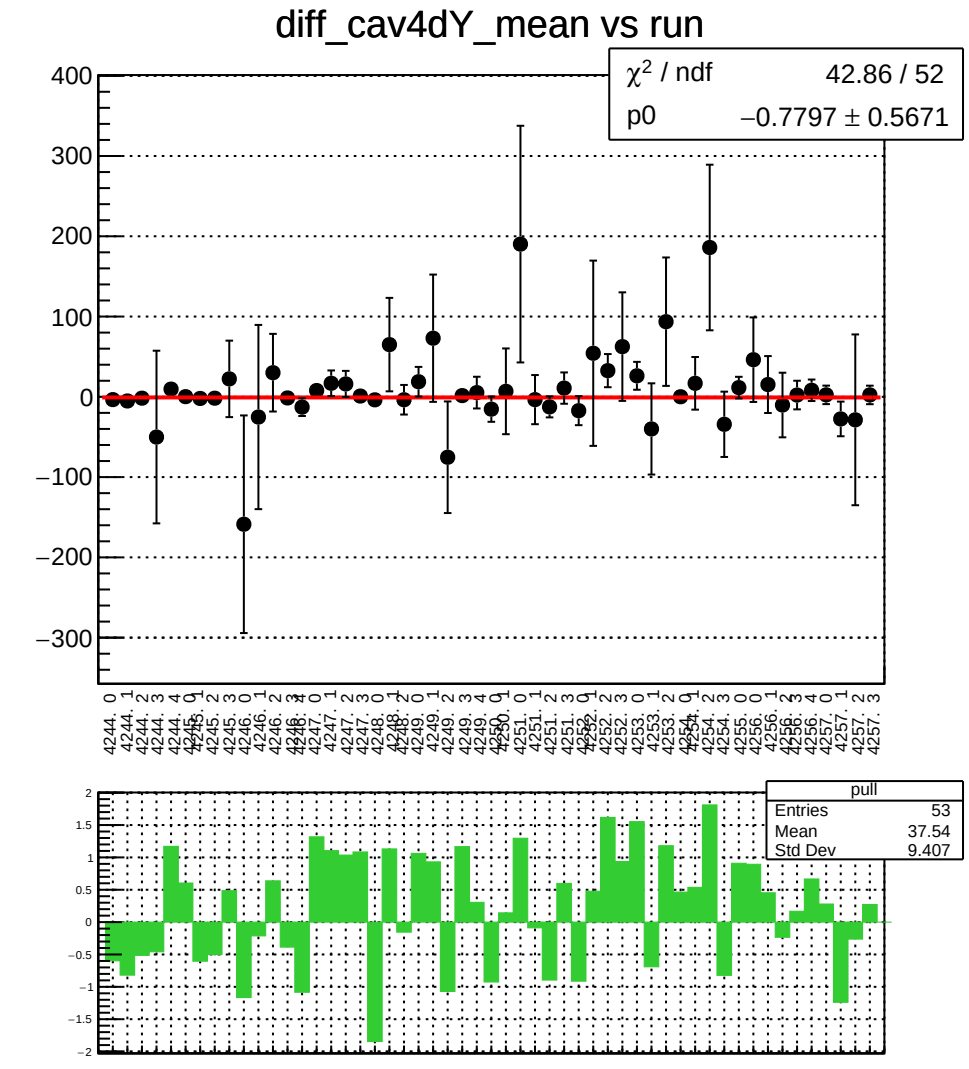

pull1D
Entries 53
Mean −0.01928
Std Dev 1.093

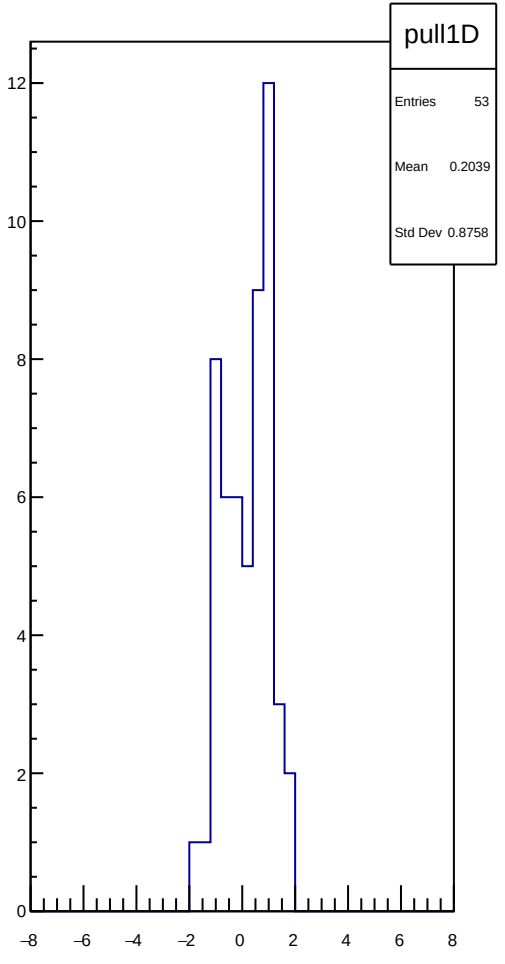

diff_cav4cY_rms vs run
χ² / ndf 7392 / 52
p0 2410 ± 2.331
2800
2600
2400
2200
2000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

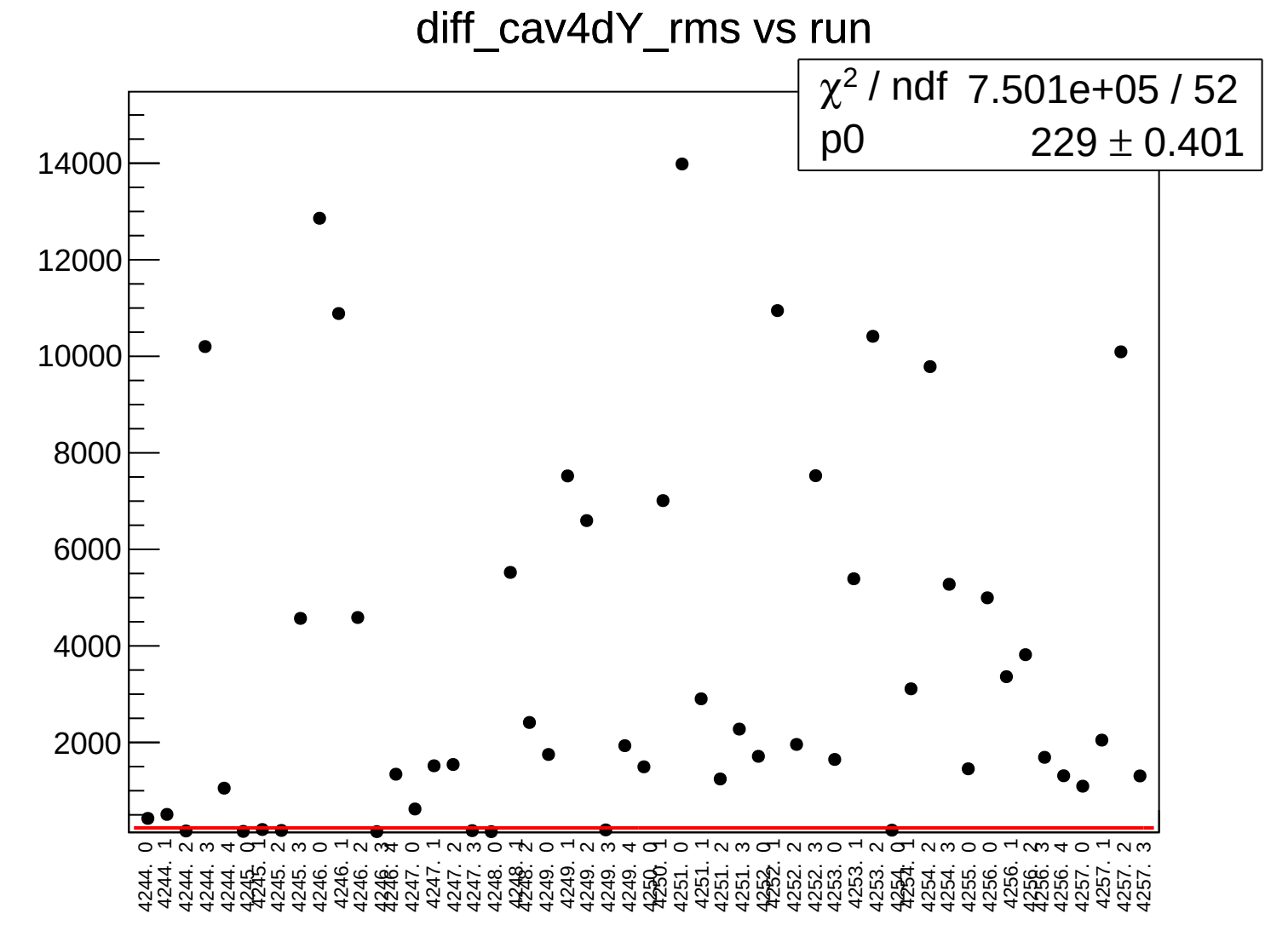

diff_cav4dX_mean vs run
χ² / ndf 60.23 / 52
p0 −0.000535 ± 0.01186
pull
Entries 53
Mean −1196
Std Dev 1229

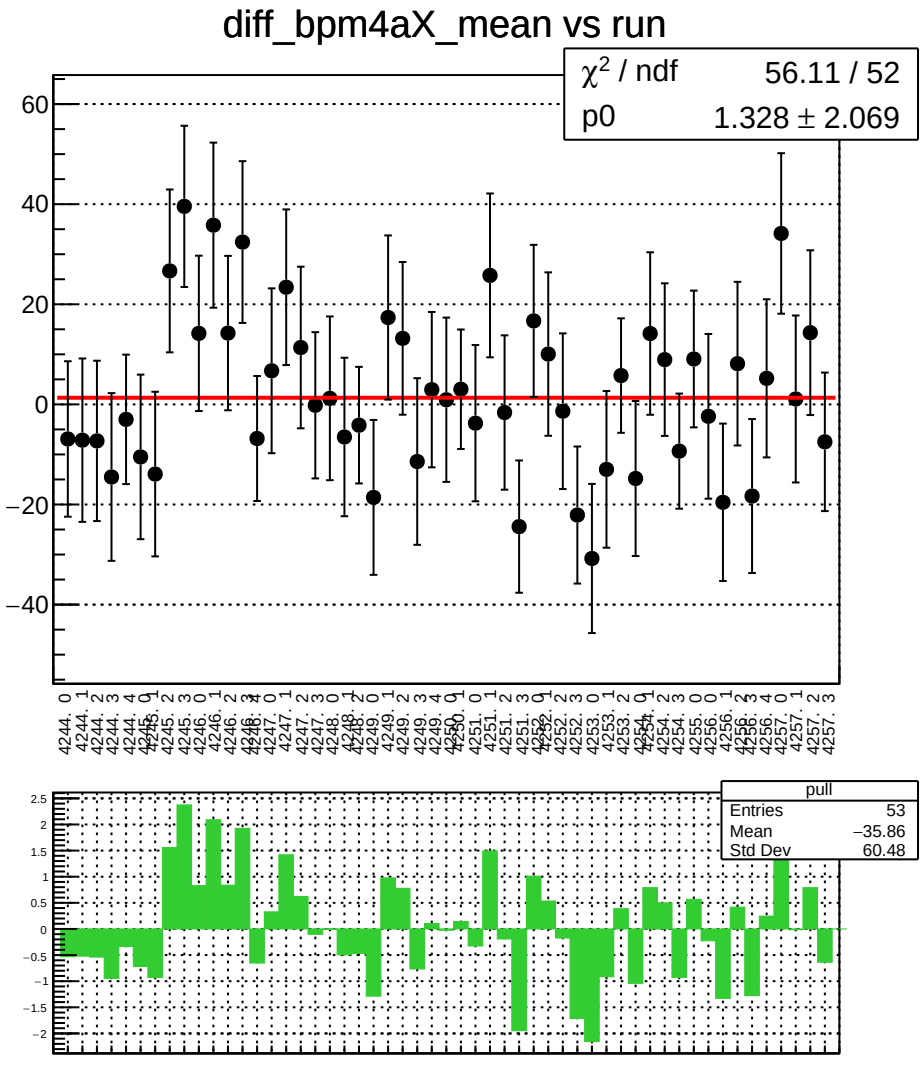

pull1D
Entries 53
Mean −0.001163
Std Dev 1.066

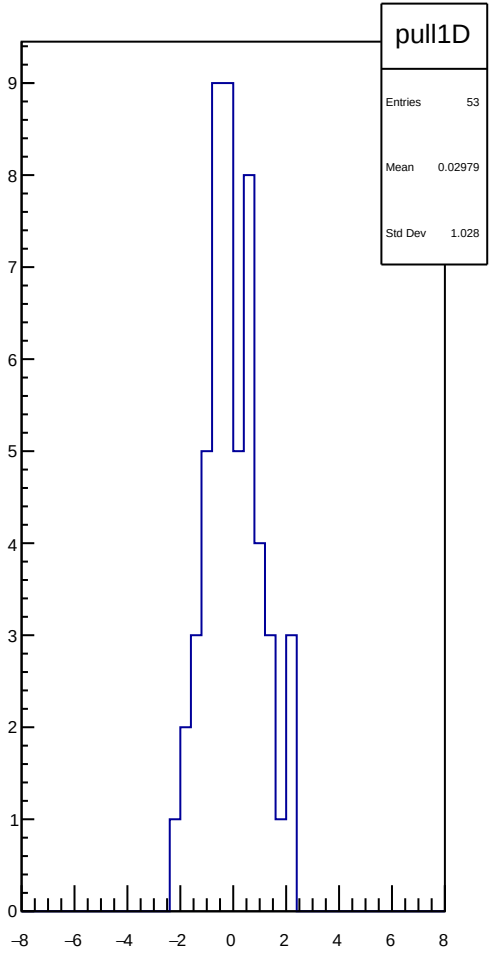

diff_cav4dX_rms vs run
χ² / ndf 67.23 / 52
p0 8.701 ± 0.008387
8.9
8.8
8.7
8.6
8.5
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

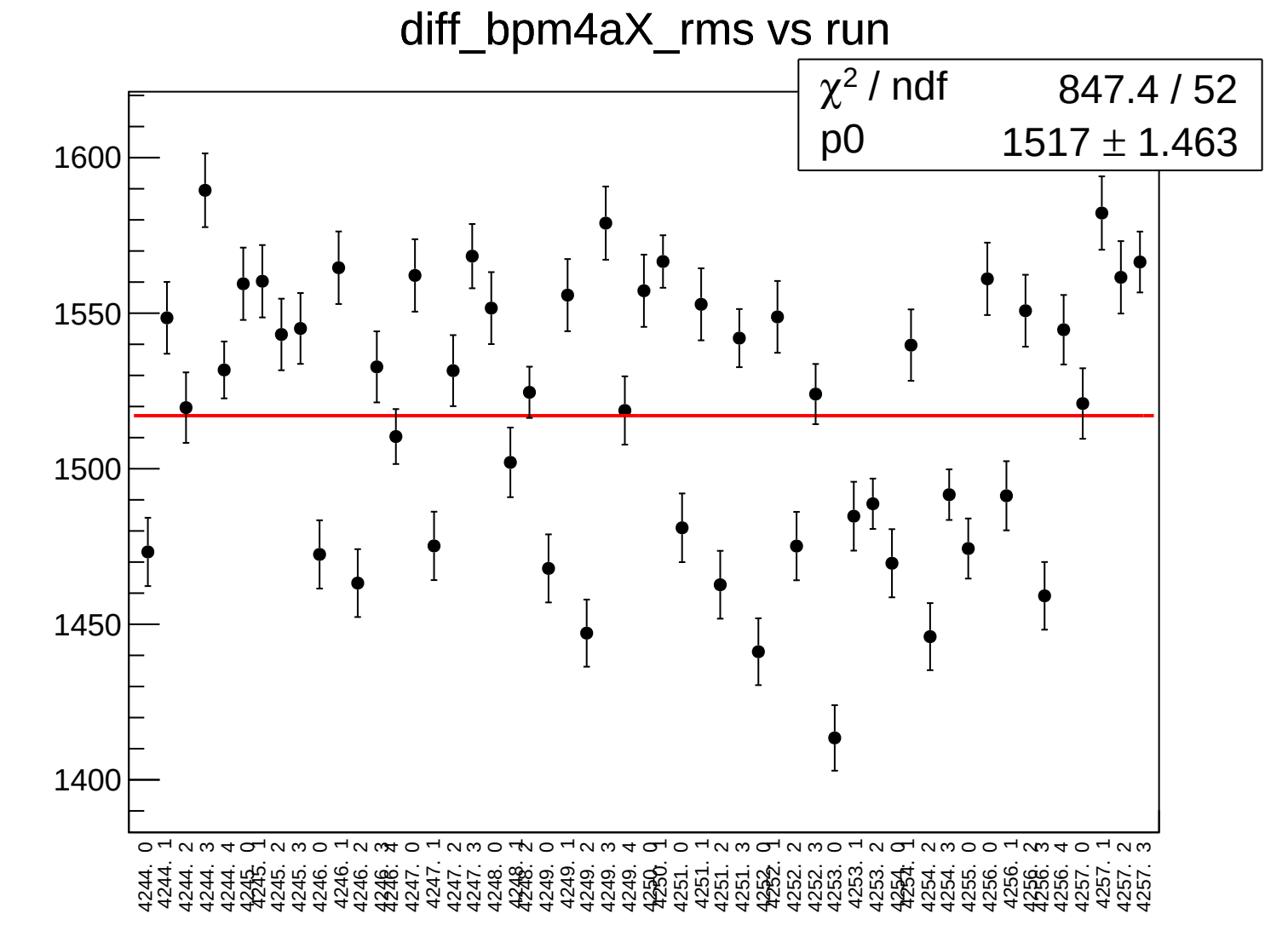

diff_cav4dY_mean vs run
χ² / ndf 42.86 / 52
p0 −0.7797 ± 0.5671
pull
Entries 53
Mean 37.54
Std Dev 9.407


pull1D
Entries 53
Mean 0.2039
Std Dev 0.8758


diff_cav4dY_rms vs run
χ² / ndf 7.501e+05 / 52
p0 229 ± 0.401
14000
12000
10000
8000
6000
4000
2000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


diff_bpm4aX_mean vs run
χ² / ndf 56.11 / 52
p0 1.328 ± 2.069
pull
Entries 53
Mean −35.86
Std Dev 60.48


pull1D
Entries 53
Mean 0.02979
Std Dev 1.028


diff_bpm4aX_rms vs run
χ² / ndf 847.4 / 52
p0 1517 ± 1.463
1600
1550
1500
1450
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
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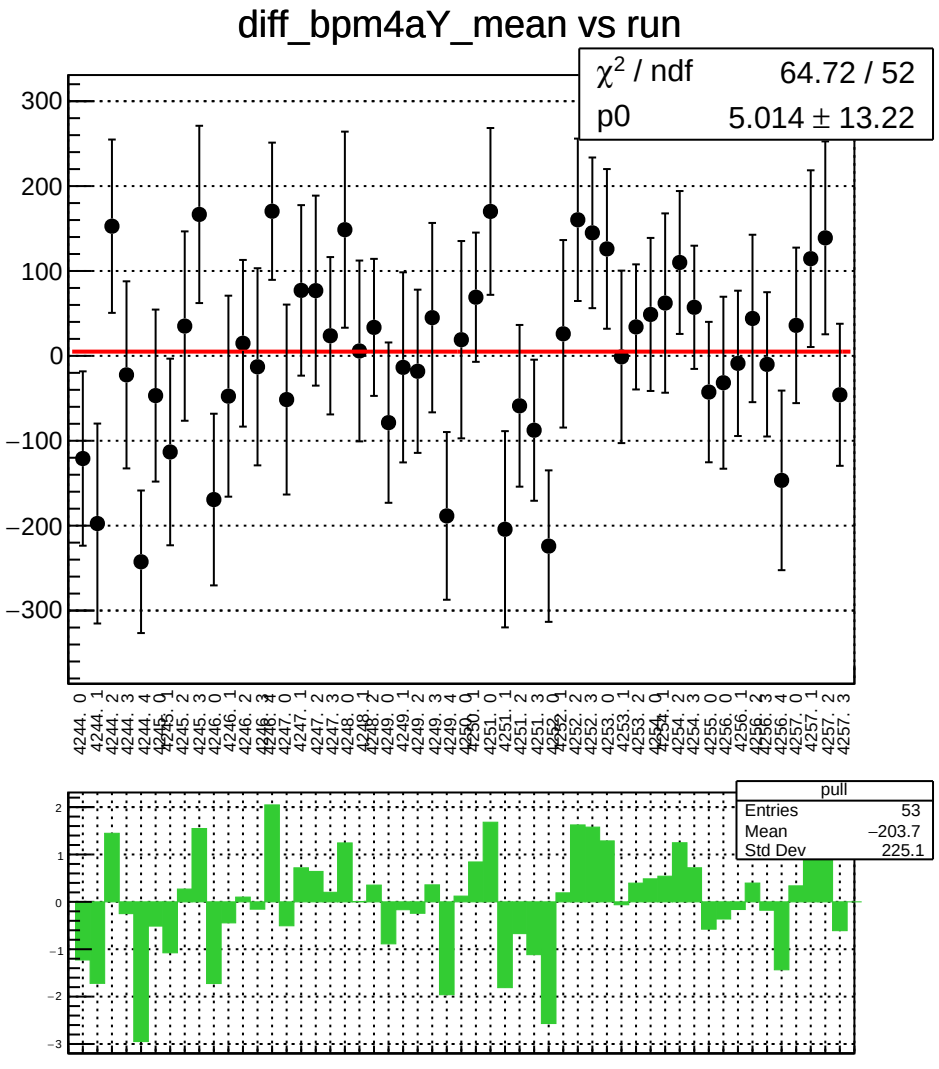
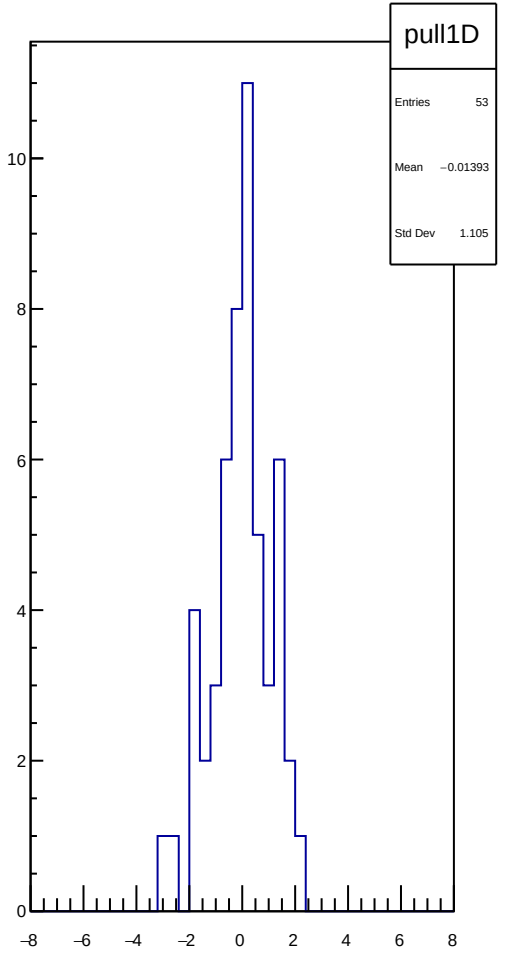
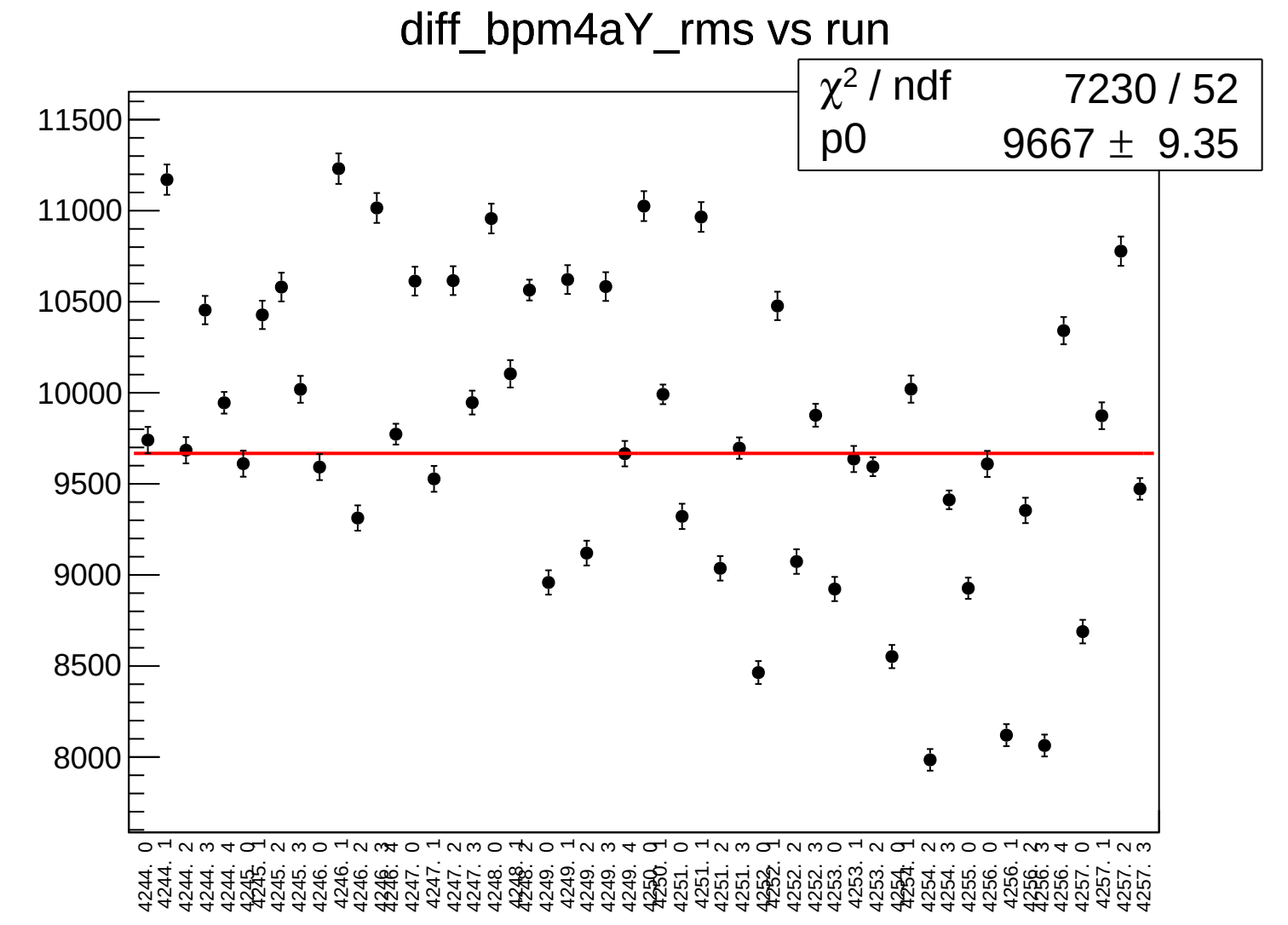

diff_bpm4aY_mean vs run
χ² / ndf 64.72 / 52
p0 5.014 ± 13.22
pull
Entries 53
Mean −203.7
Std Dev 225.1


pull1D
Entries 53
Mean −0.01393
Std Dev 1.105


diff_bpm4aY_rms vs run
χ² / ndf 7230 / 52
p0 9667 ± 9.35
11500
11000
10500
10000
9500
9000
8500
8000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
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4254. 1
4254. 2
4254. 3
4255. 0
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4256. 1
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4256. 3
4256. 4
4257. 0
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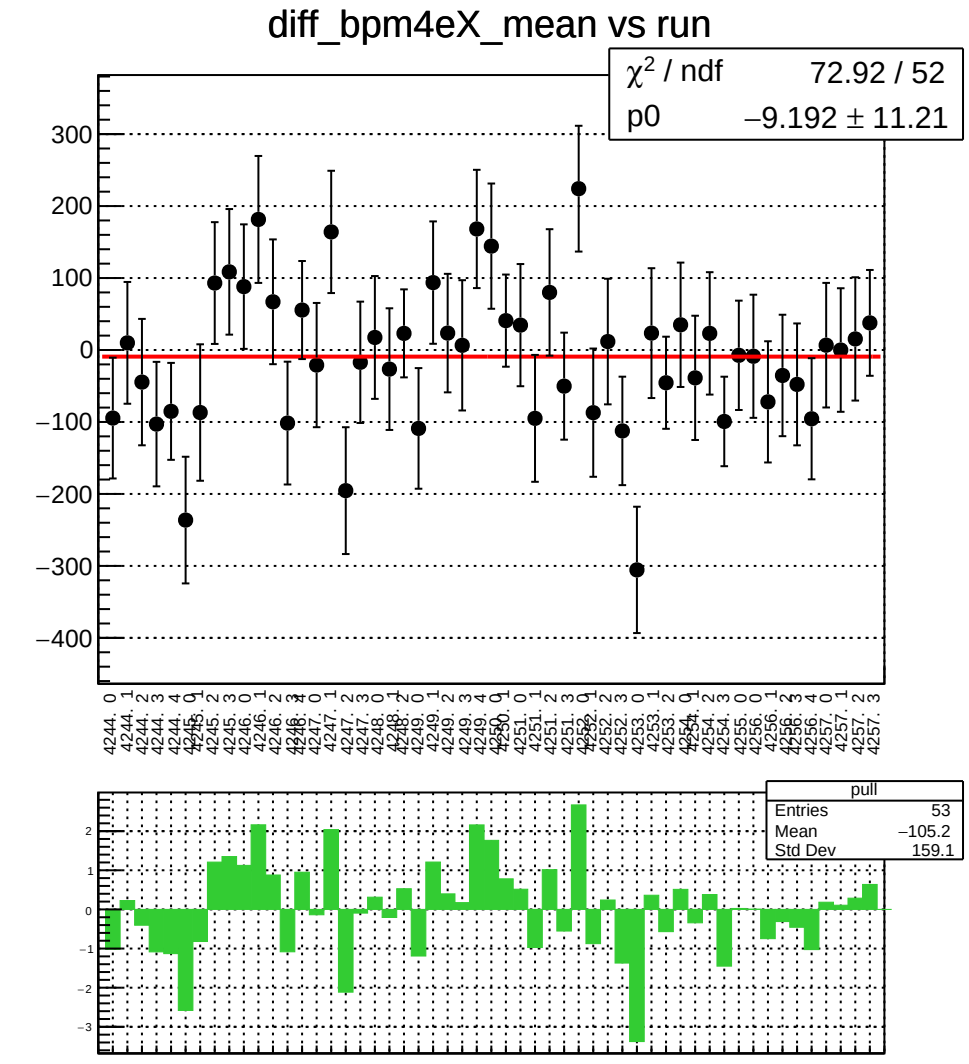
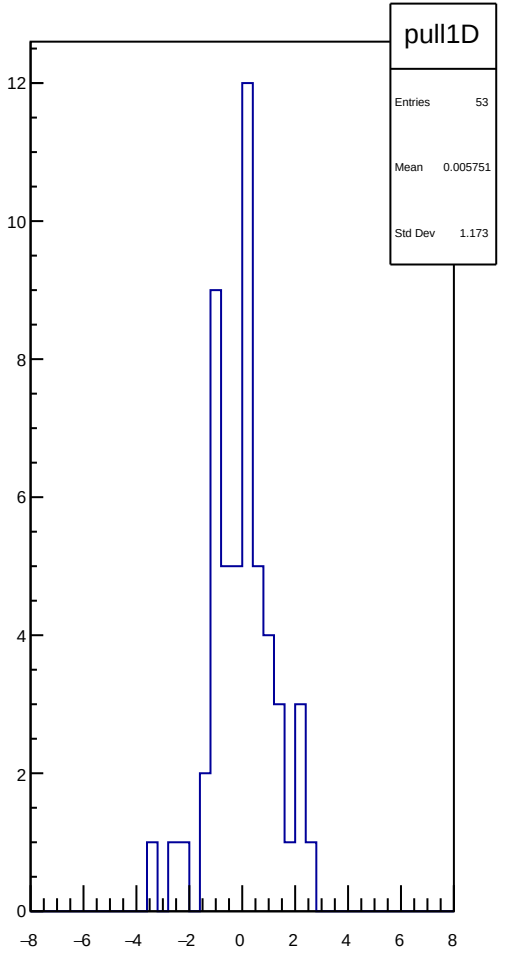
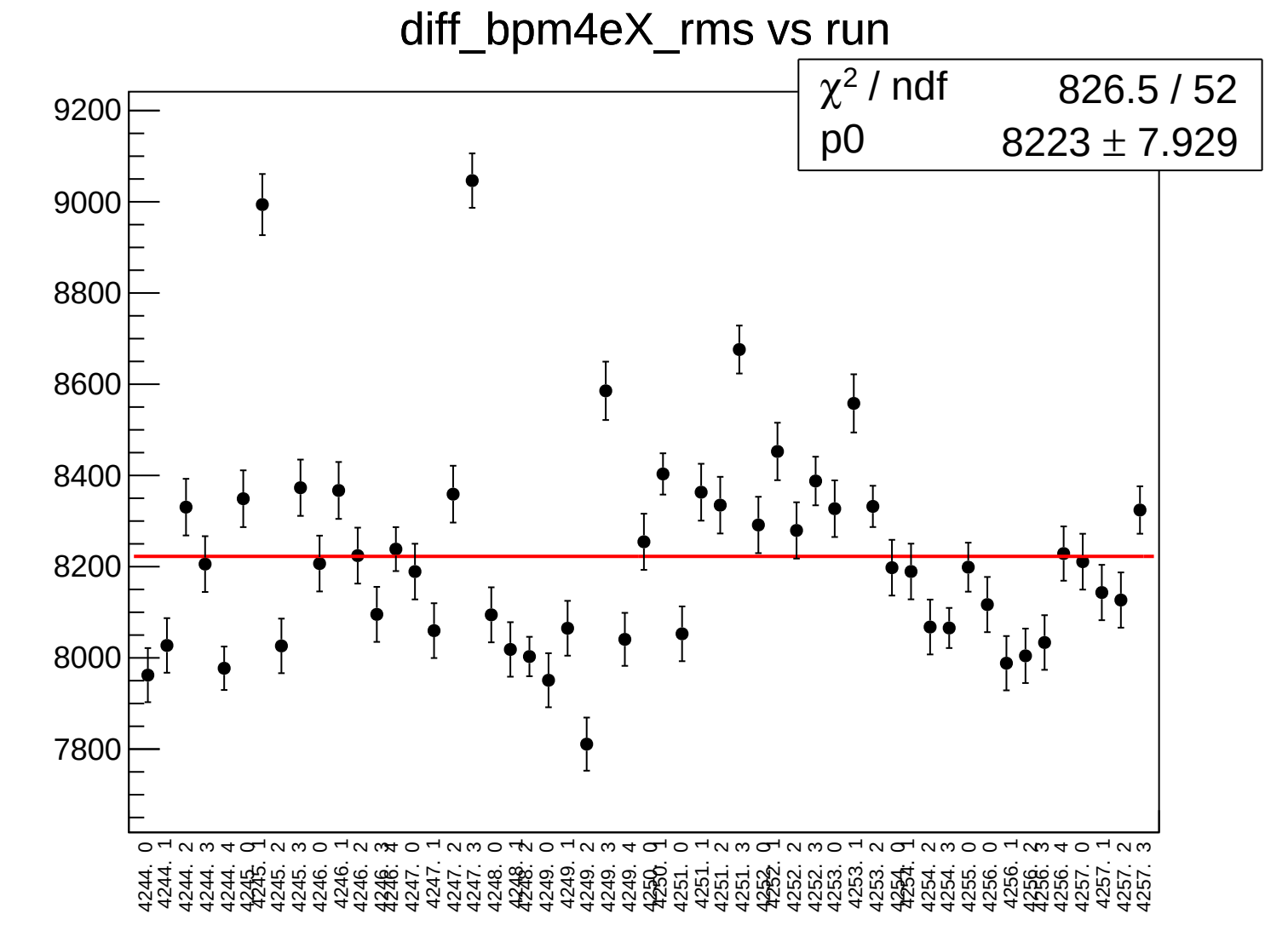
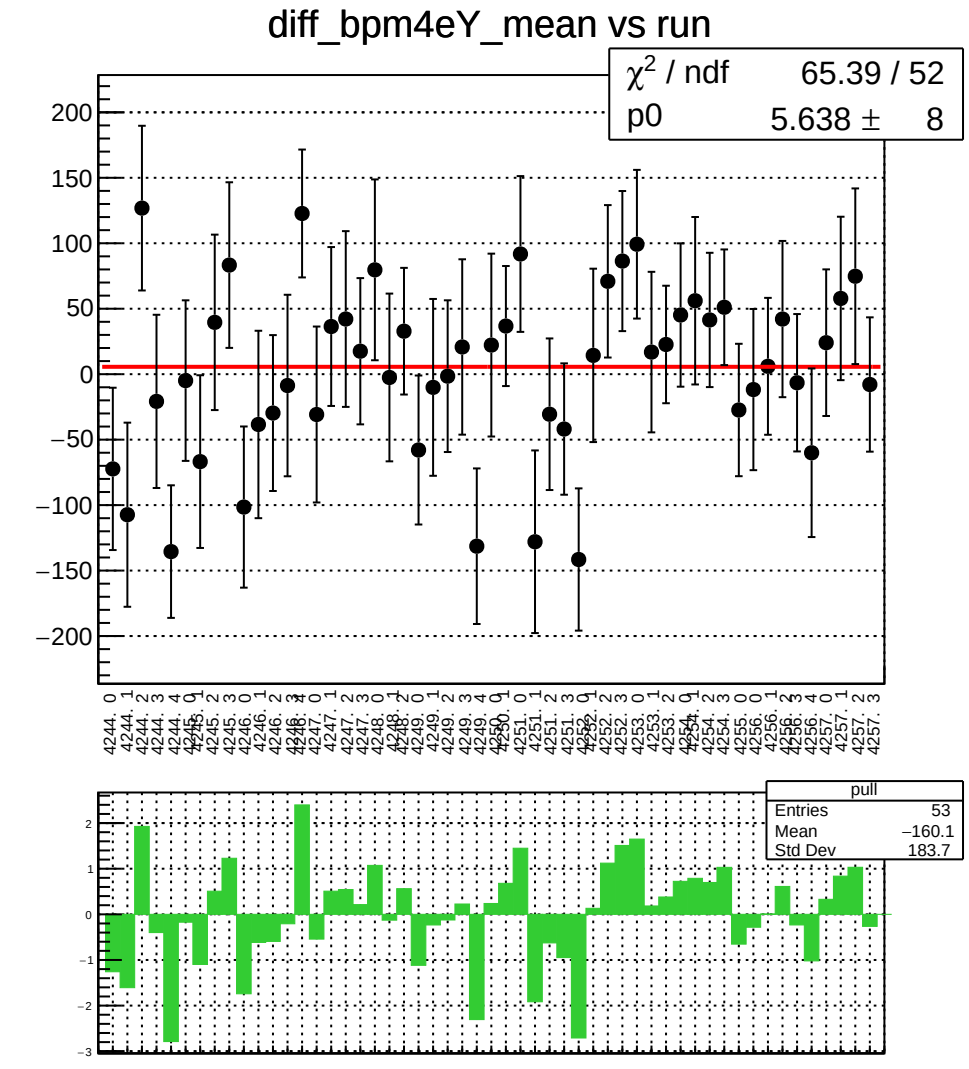
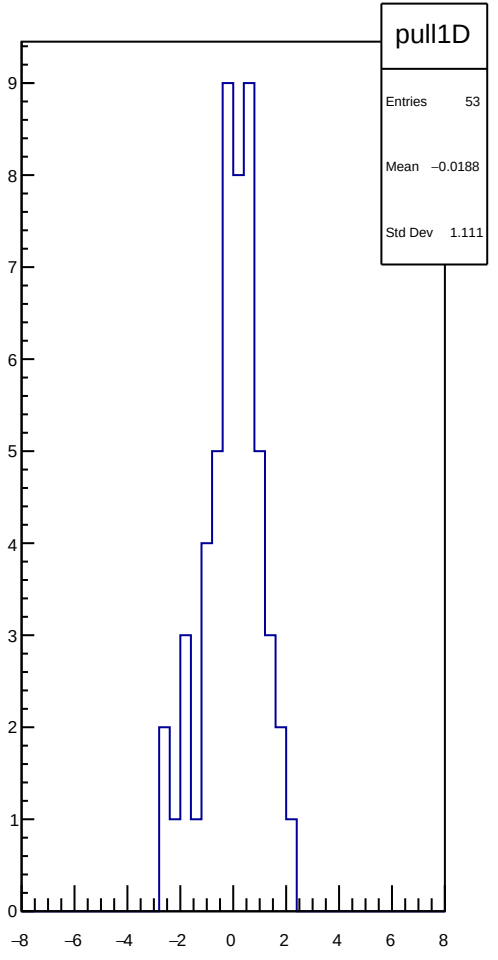
4257. 2
4257. 3

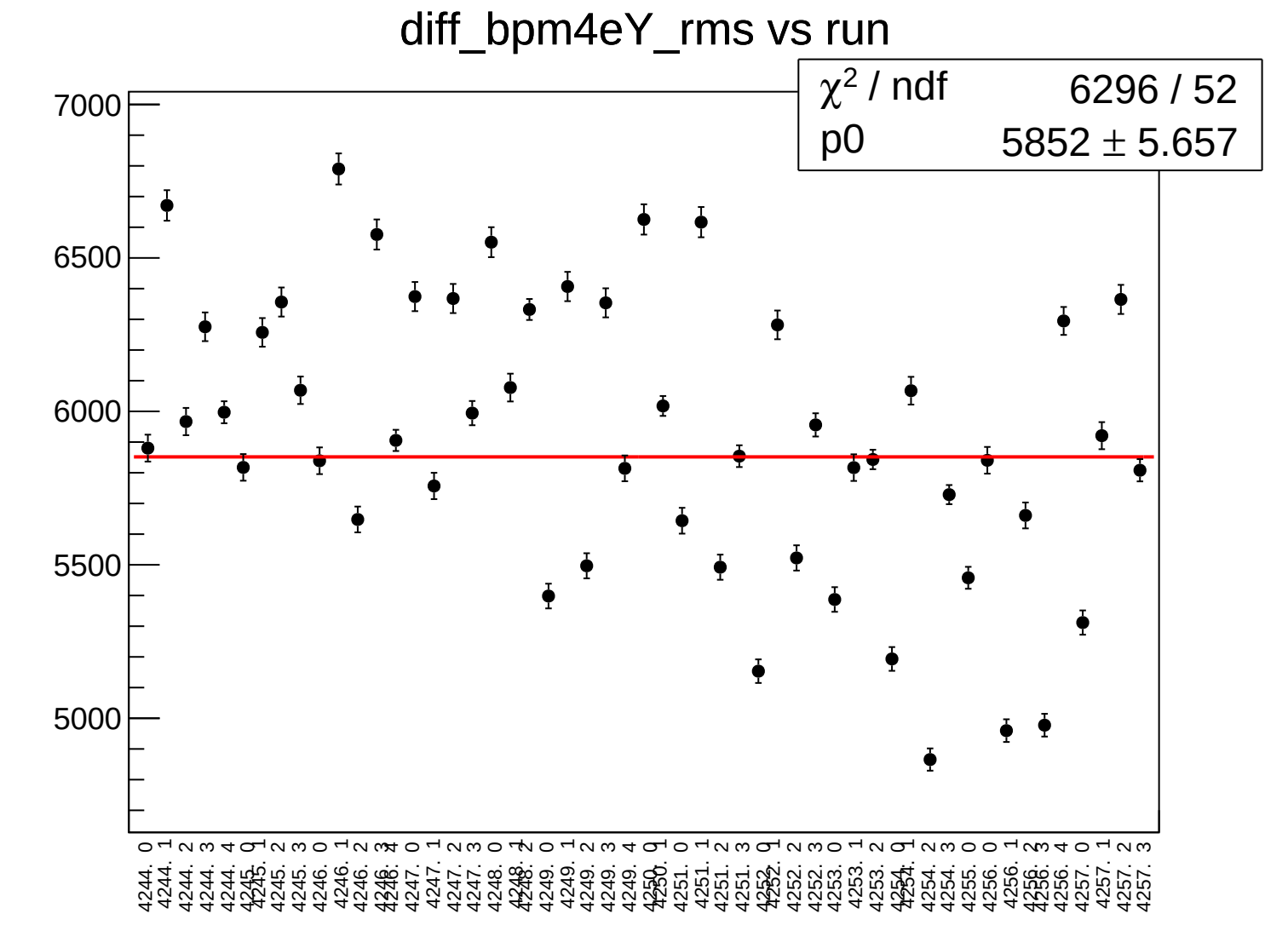

diff_bpm4eX_mean vs run
χ² / ndf 72.92 / 52
p0 −9.192 ± 11.21
pull
Entries 53
Mean −105.2
Std Dev 159.1

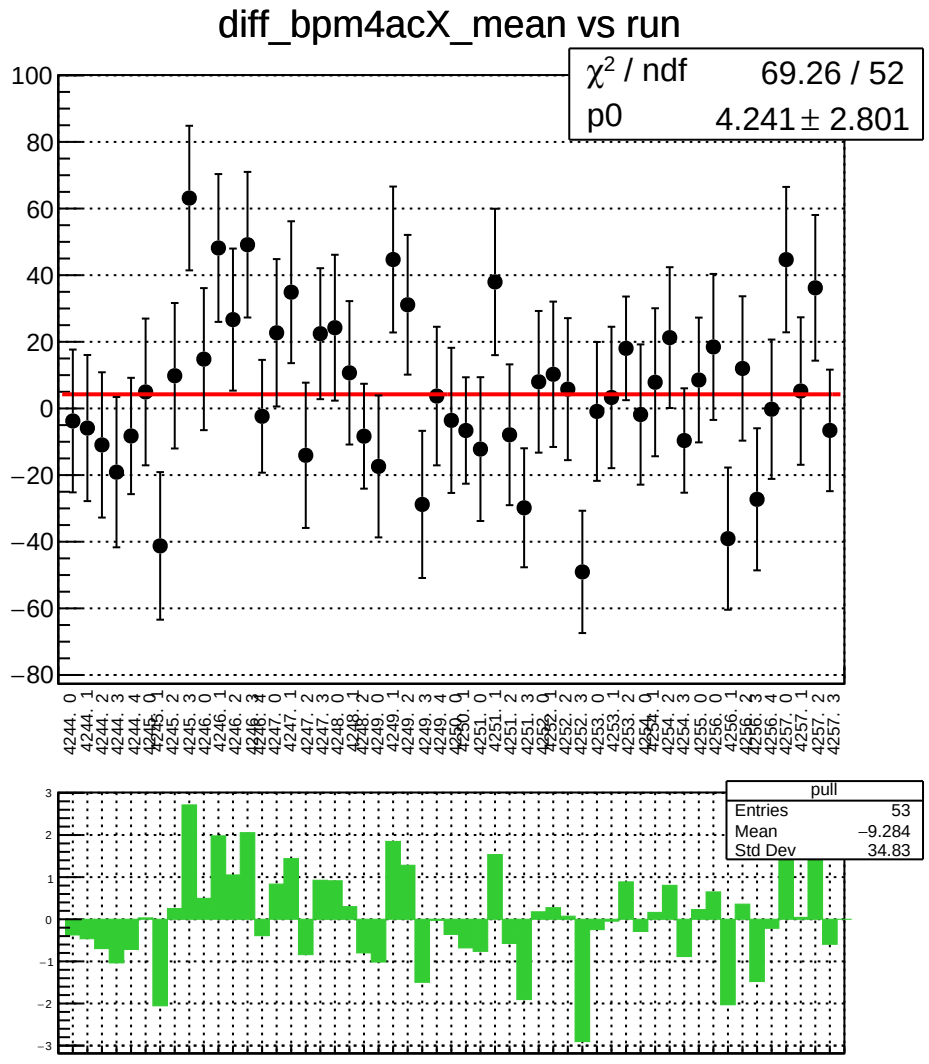

pull1D
Entries 53
Mean 0.005751
Std Dev 1.173

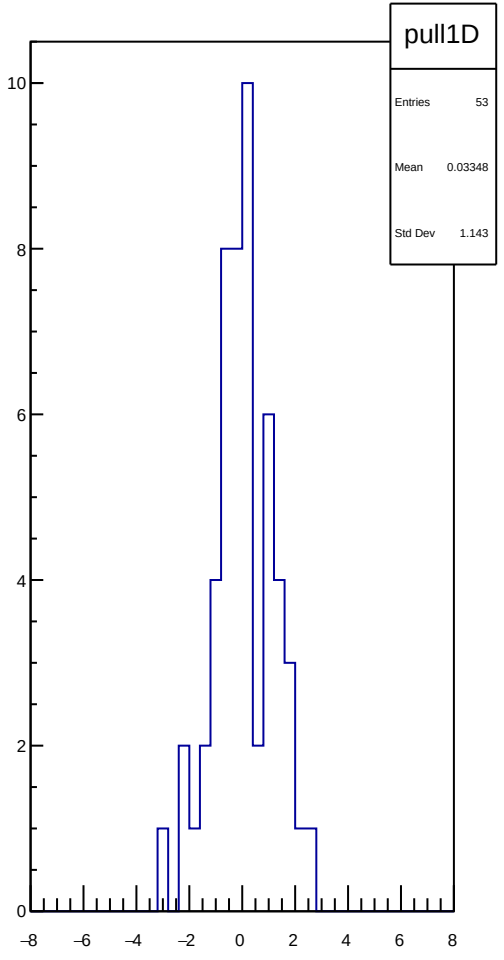

diff_bpm4eX_rms vs run
χ² / ndf 826.5 / 52
p0 8223 ± 7.929
9200
9000
8800
8600
8400
8200
8000
7800
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

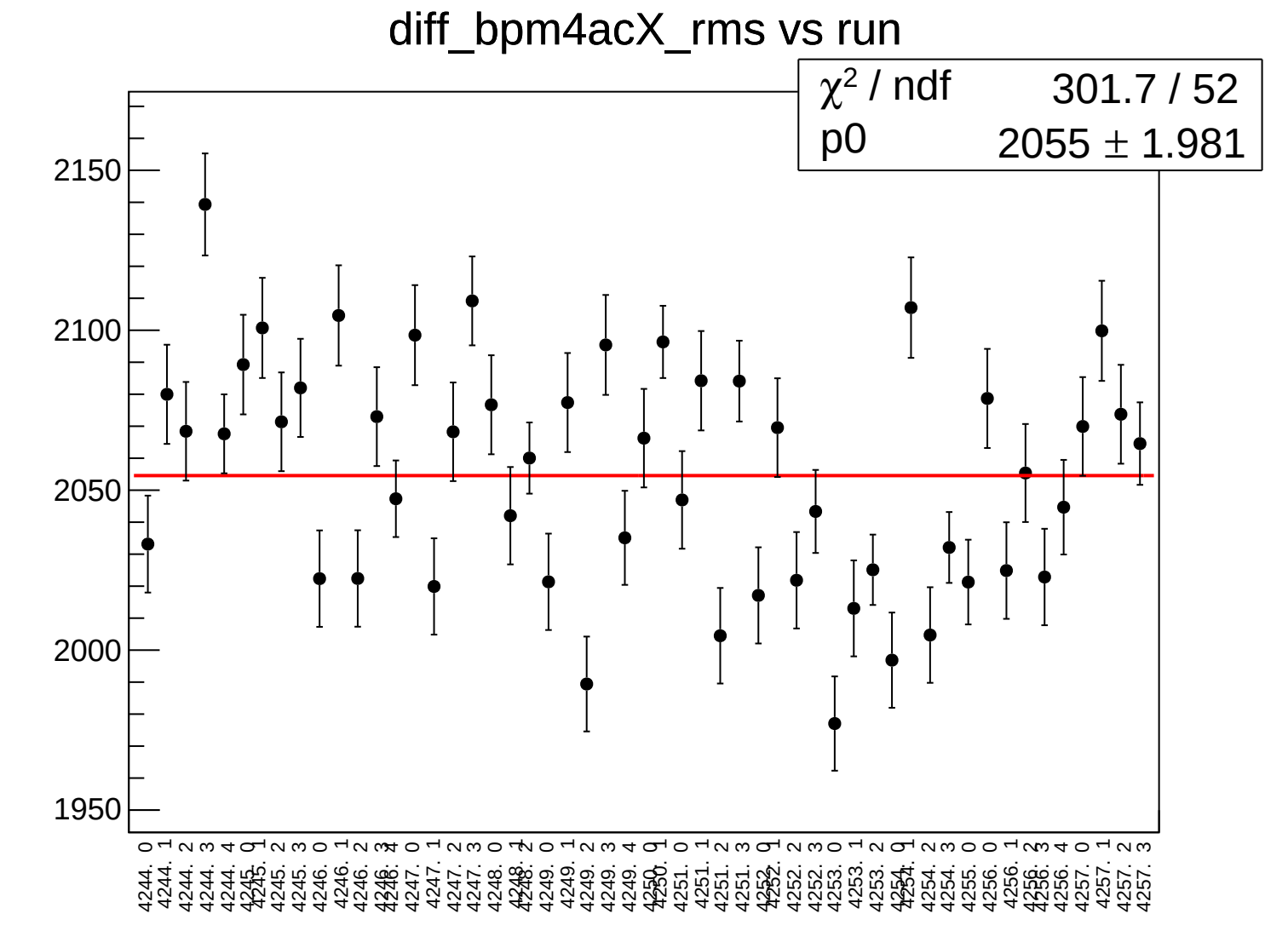

diff_bpm4eY_mean vs run
χ² / ndf 65.39 / 52
p0 5.638 ± 8
pull
Entries 53
Mean −160.1
Std Dev 183.7


pull1D
Entries 53
Mean −0.0188
Std Dev 1.111


diff_bpm4eY_rms vs run
χ² / ndf 6296 / 52
p0 5852 ± 5.657
7000
6500
6000
5500
5000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


diff_bpm4acX_mean vs run
χ² / ndf 69.26 / 52
p0 4.241 ± 2.801
pull
Entries 53
Mean −9.284
Std Dev 34.83


pull1D
Entries 53
Mean 0.03348
Std Dev 1.143


diff_bpm4acX_rms vs run
χ² / ndf 301.7 / 52
p0 2055 ± 1.981
2150
2100
2050
2000
1950
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
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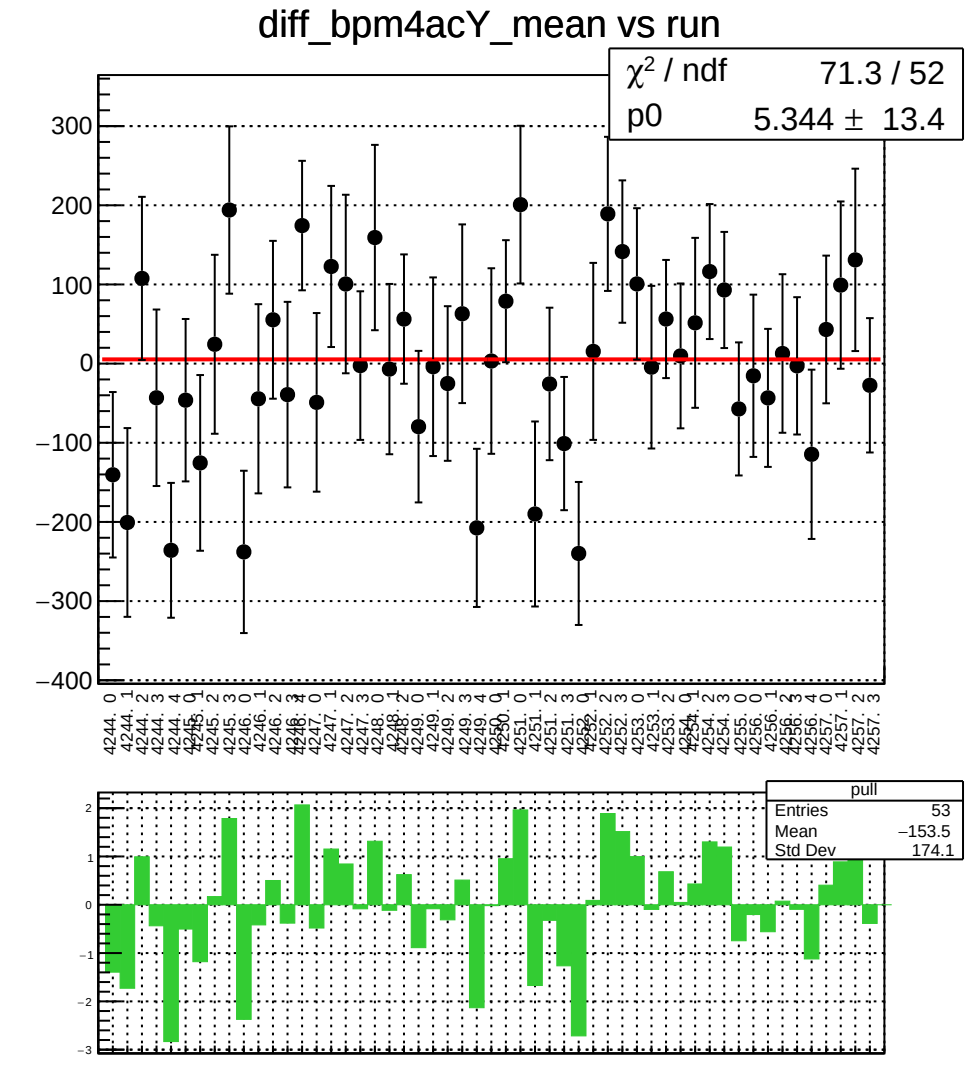
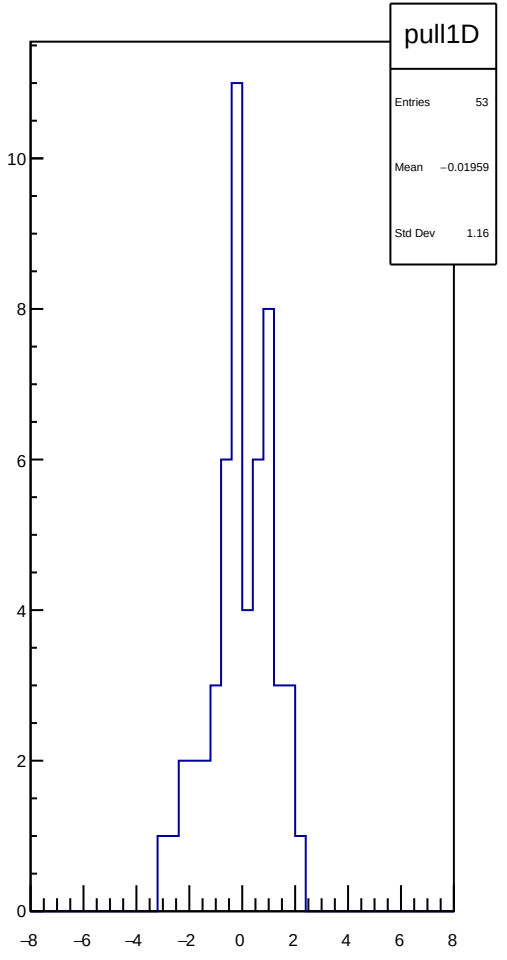
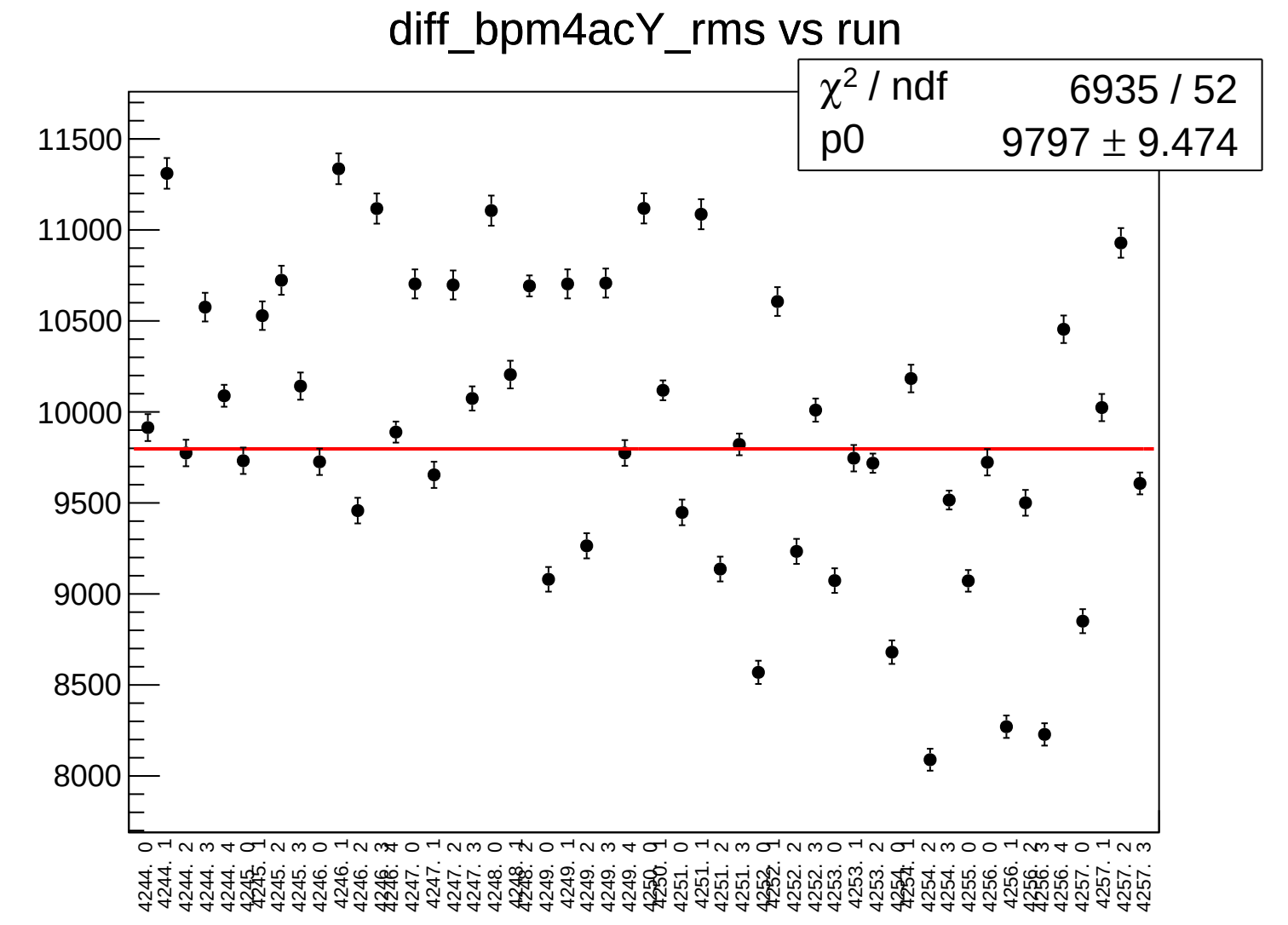
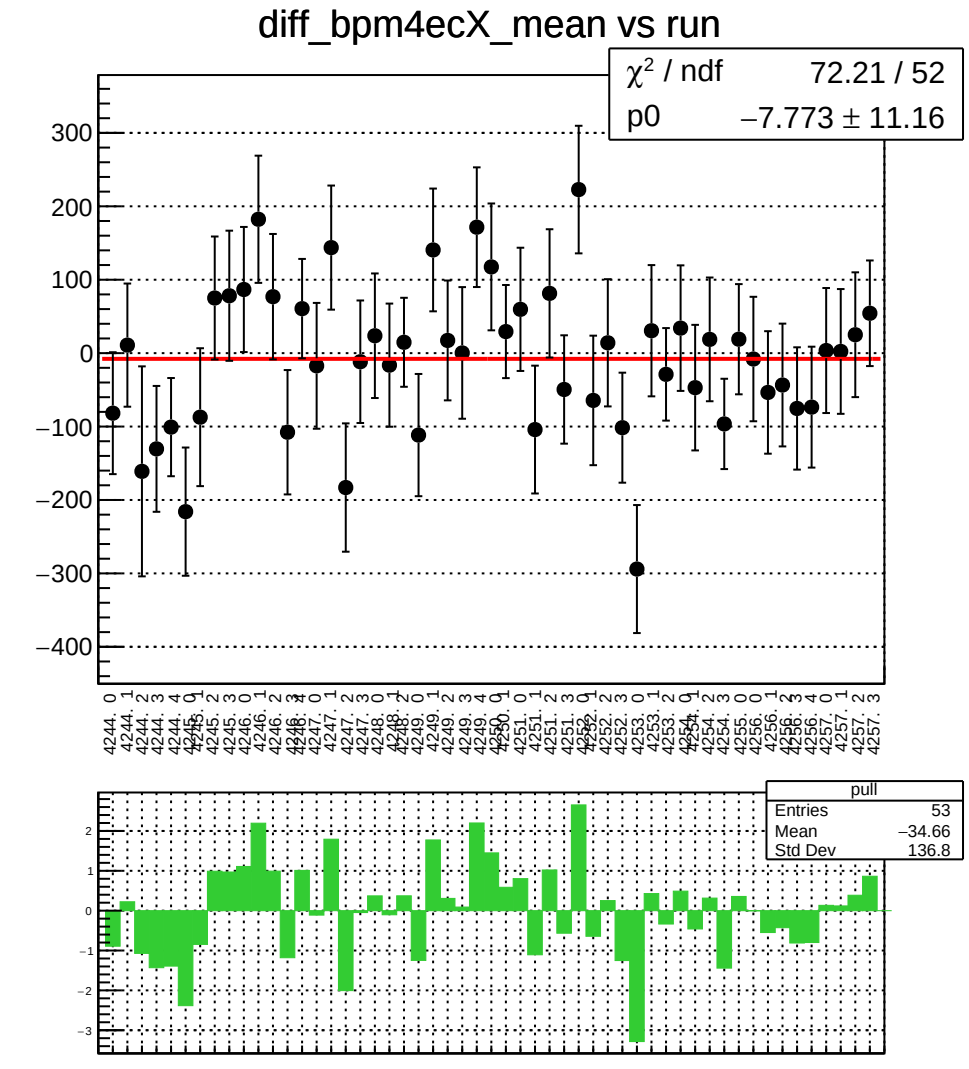
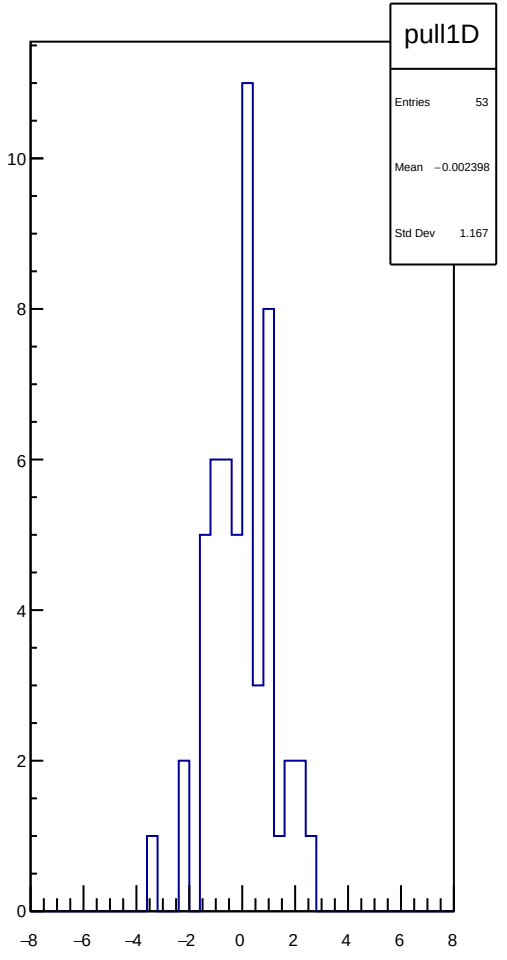
4257. 2
4257. 3

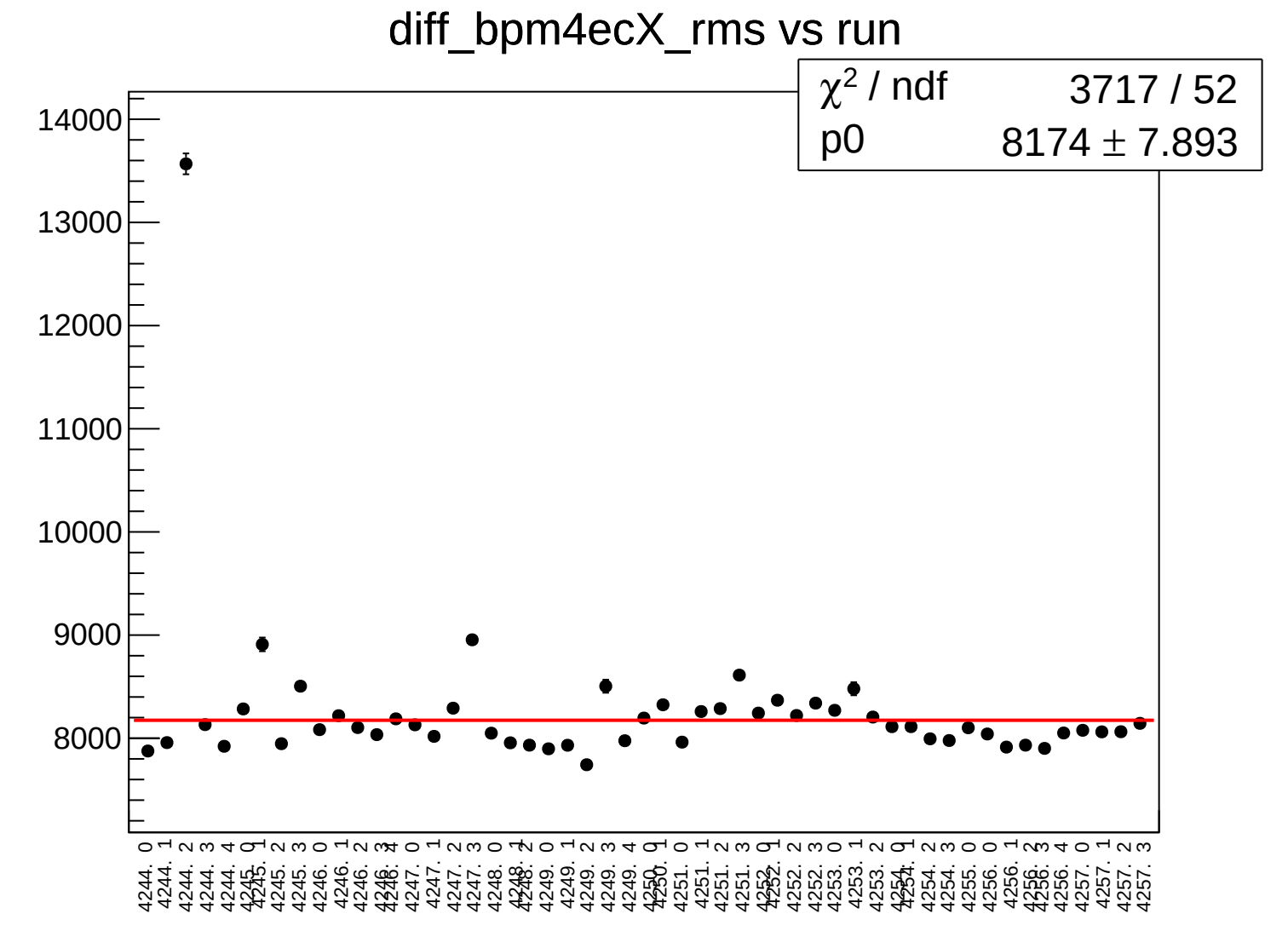

diff_bpm4acY_mean vs run
χ² / ndf 71.3 / 52
p0 5.344 ± 13.4
pull
Entries 53
Mean −153.5
Std Dev 174.1

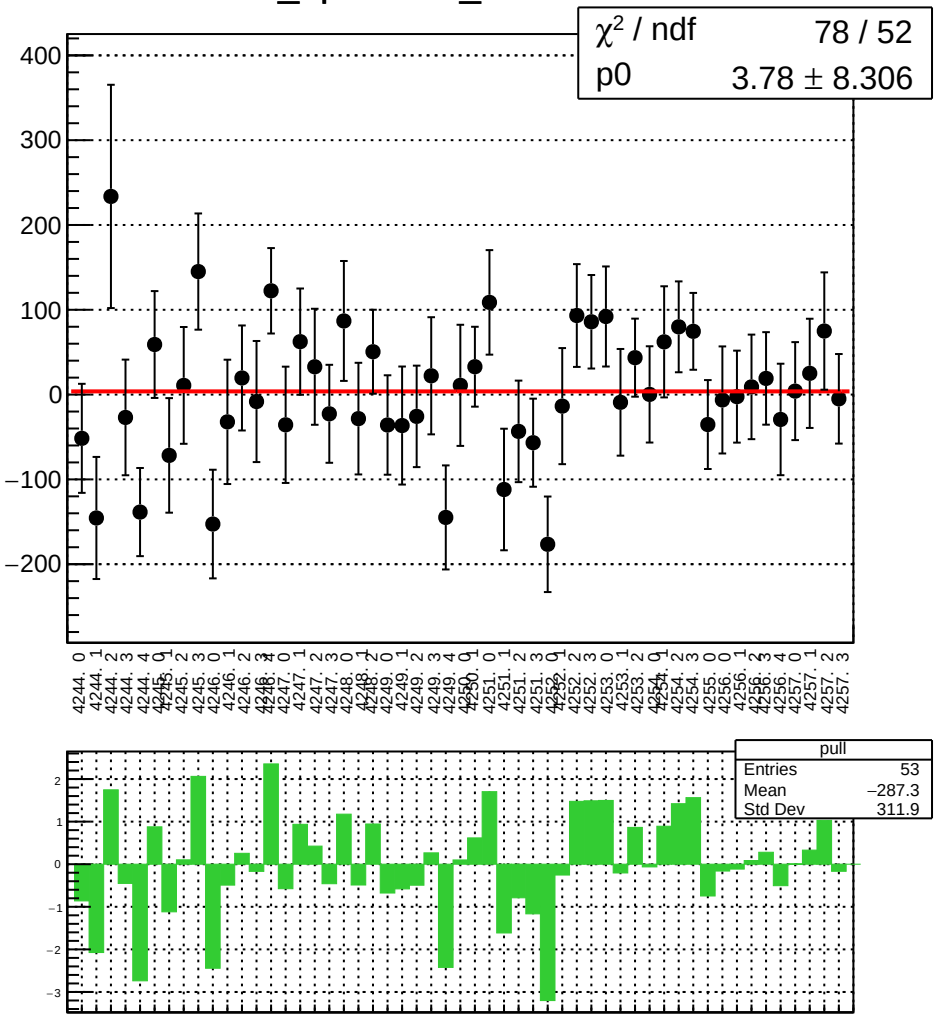

pull1D
Entries 53
Mean −0.01959
Std Dev 1.16

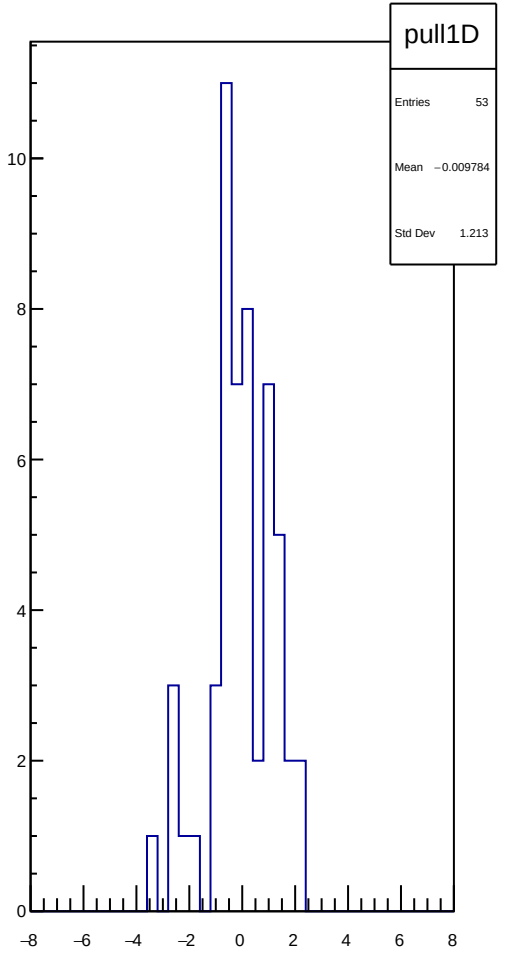

diff_bpm4acY_rms vs run
χ² / ndf 6935 / 52
p0 9797 ± 9.474
11500
11000
10500
10000
9500
9000
8500
8000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

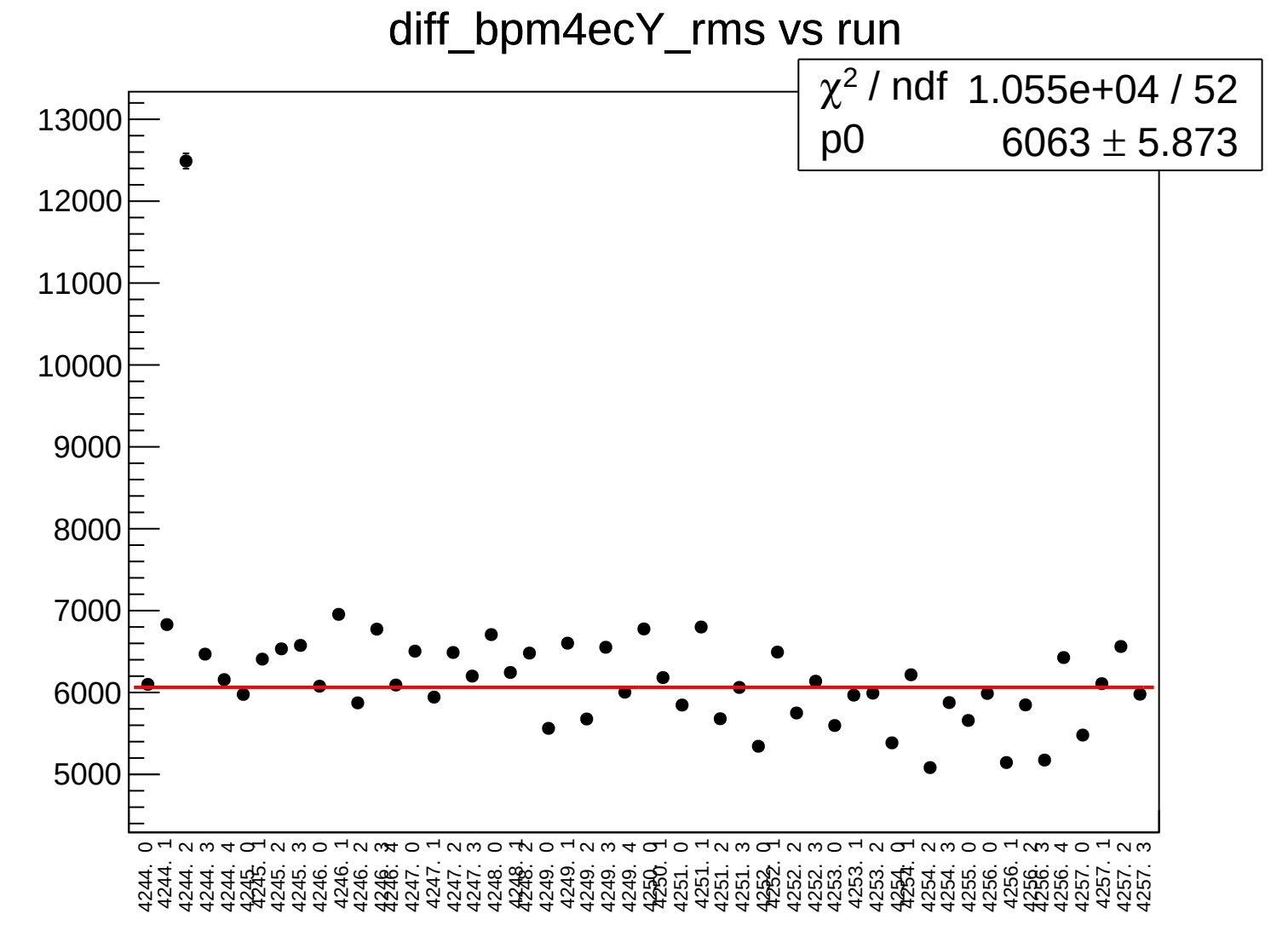

diff_bpm4ecX_mean vs run
χ² / ndf 72.21 / 52
p0 −7.773 ± 11.16
pull
Entries 53
Mean −34.66
Std Dev 136.8

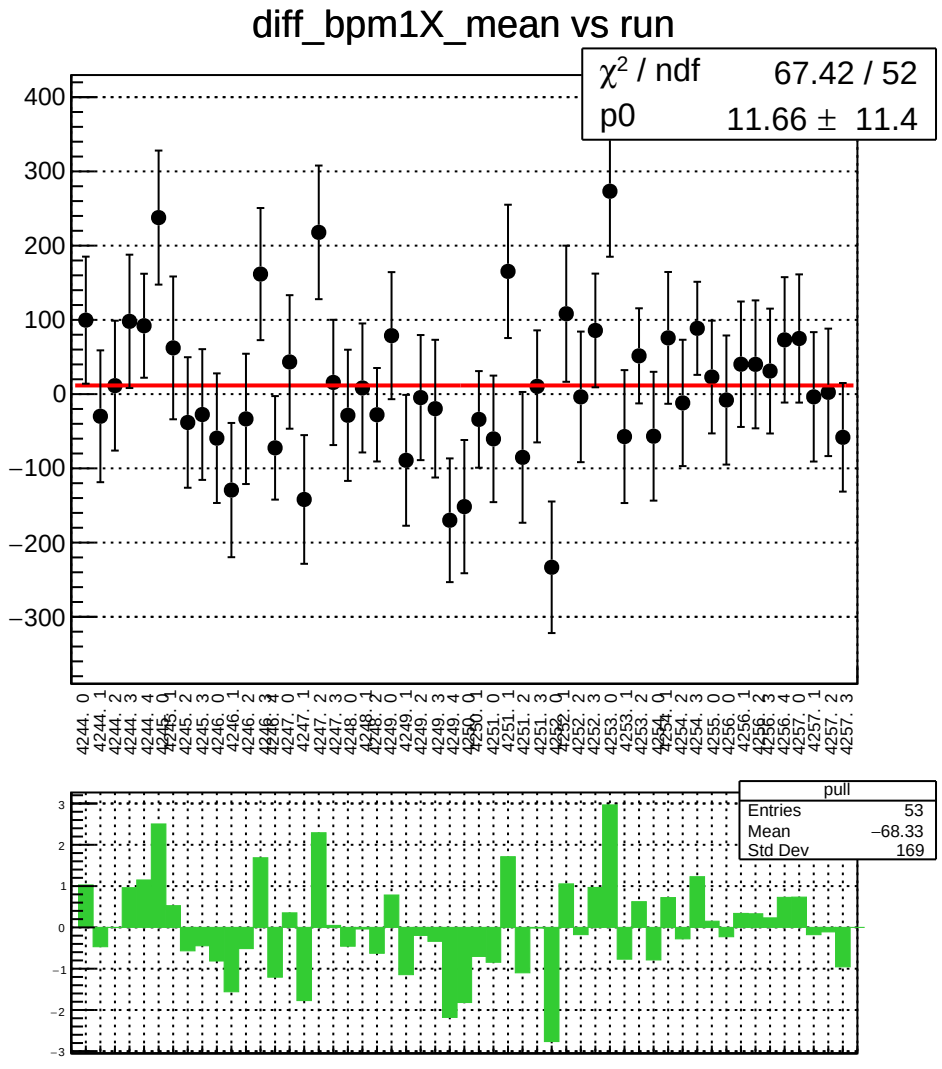

pull1D
Entries 53
Mean −0.002398
Std Dev 1.167

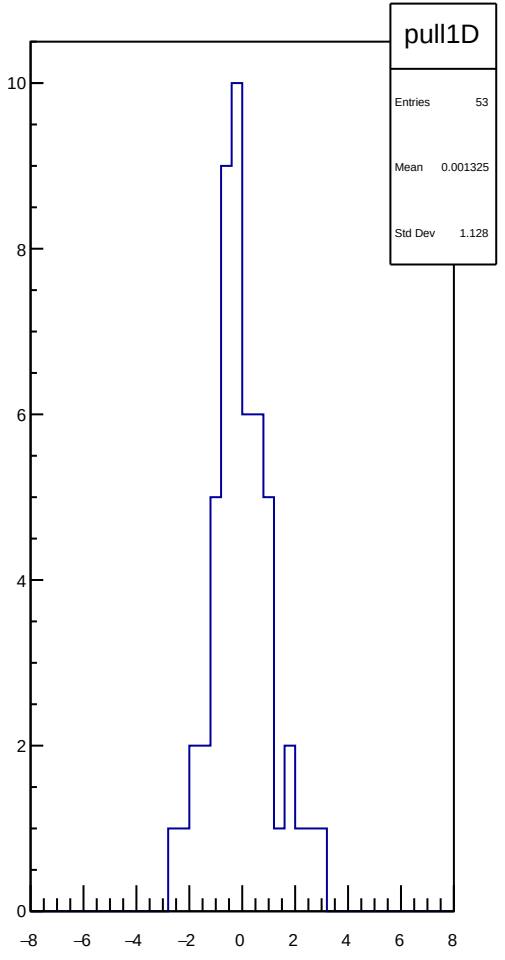

diff_bpm4ecX_rms vs run
χ² / ndf 3717 / 52
p0 8174 ± 7.893
14000
13000
12000
11000
10000
9000
8000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

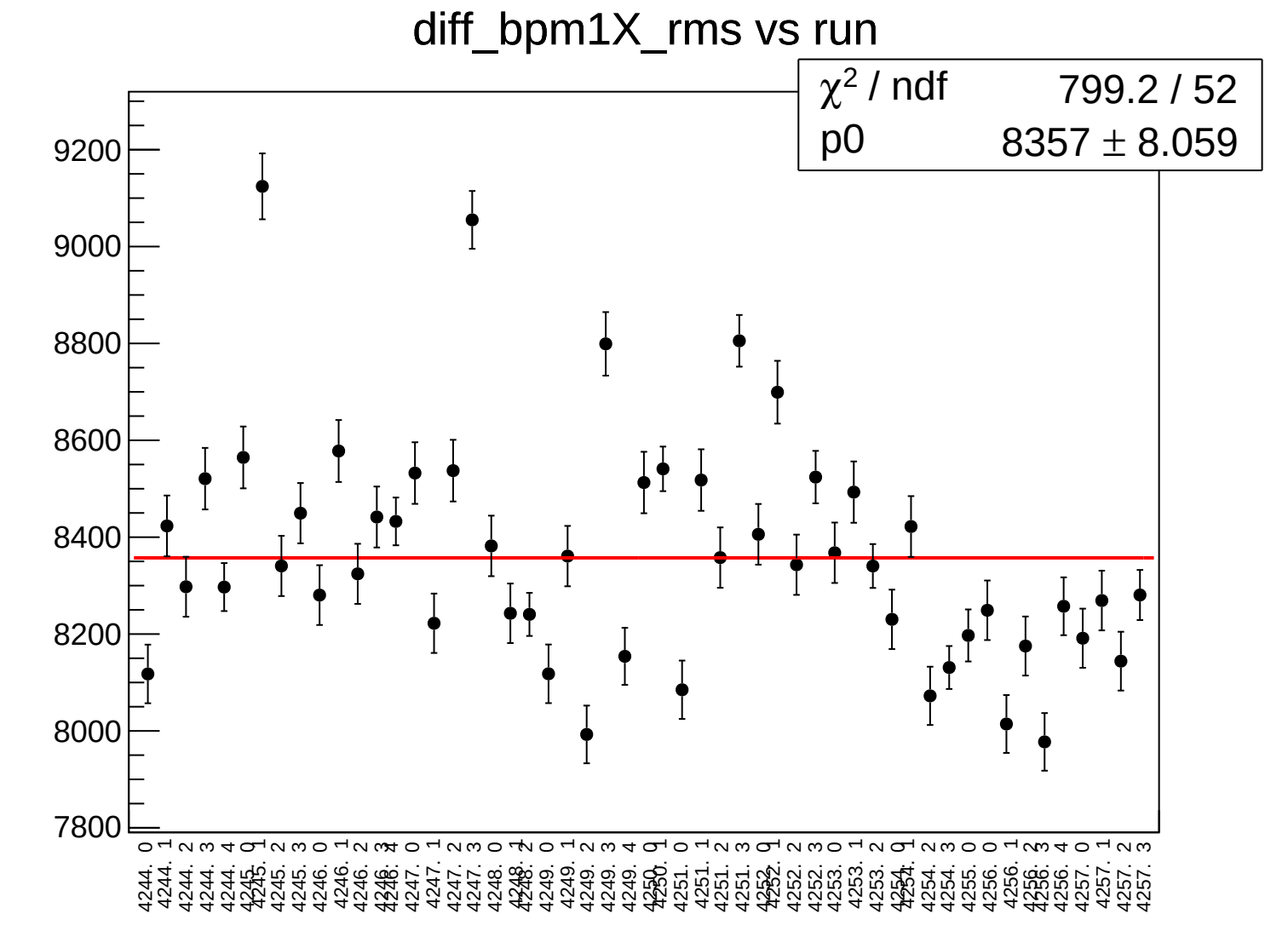

diff_bpm4ecY_mean vs run
χ² / ndf 78 / 52
p0 3.78 ± 8.306
pull
Entries 53
Mean −287.3
Std Dev 311.9

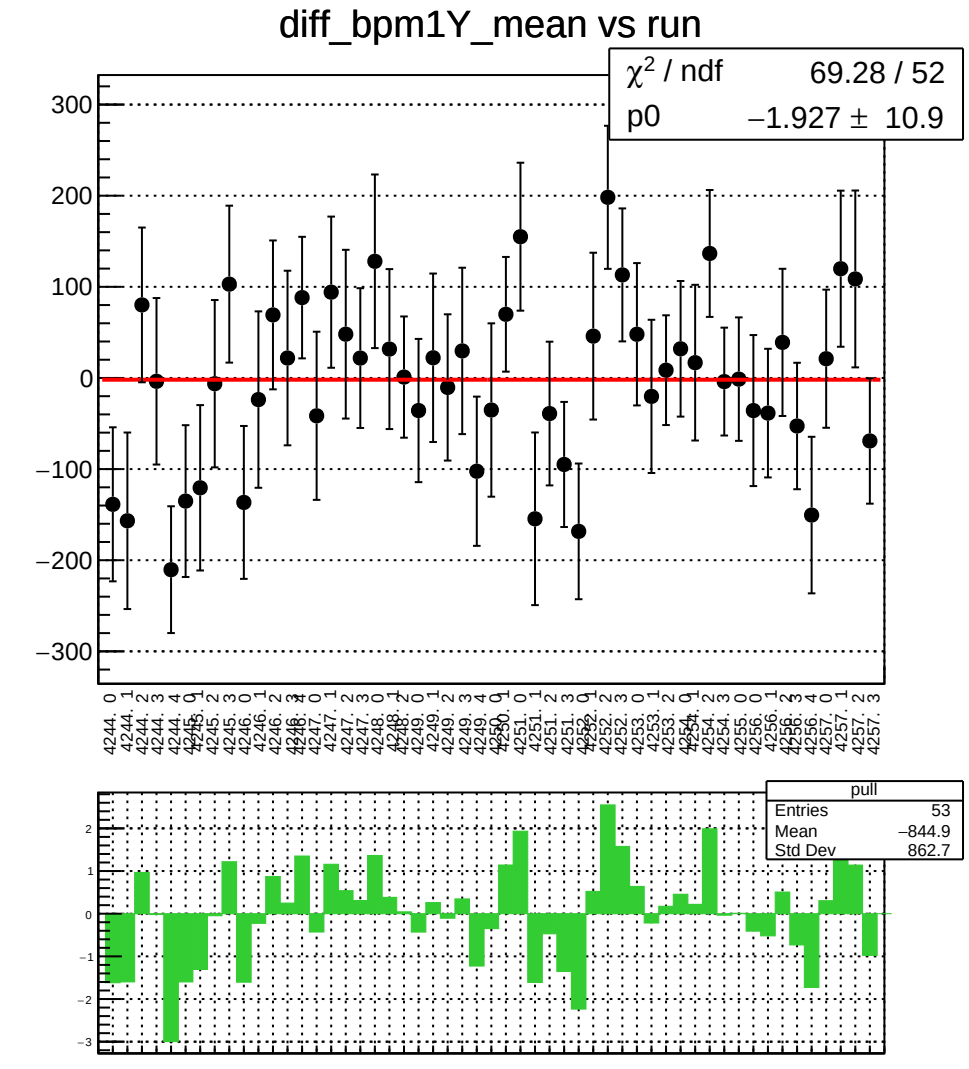

pull1D
Entries 53
Mean −0.009784
Std Dev 1.213

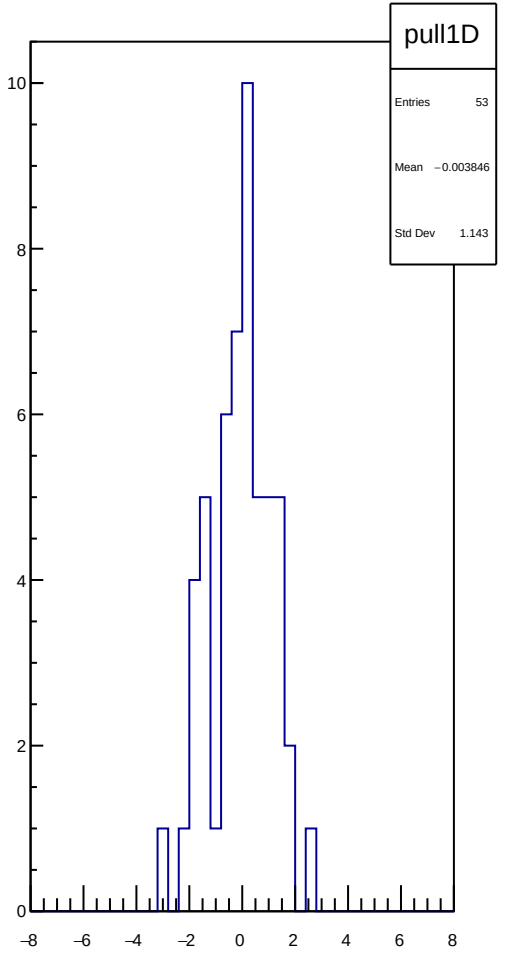

diff_bpm4ecY_rms vs run
χ² / ndf 1.055e+04 / 52
p0 6063 ± 5.873
13000
12000
11000
10000
9000
8000
7000
6000
5000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

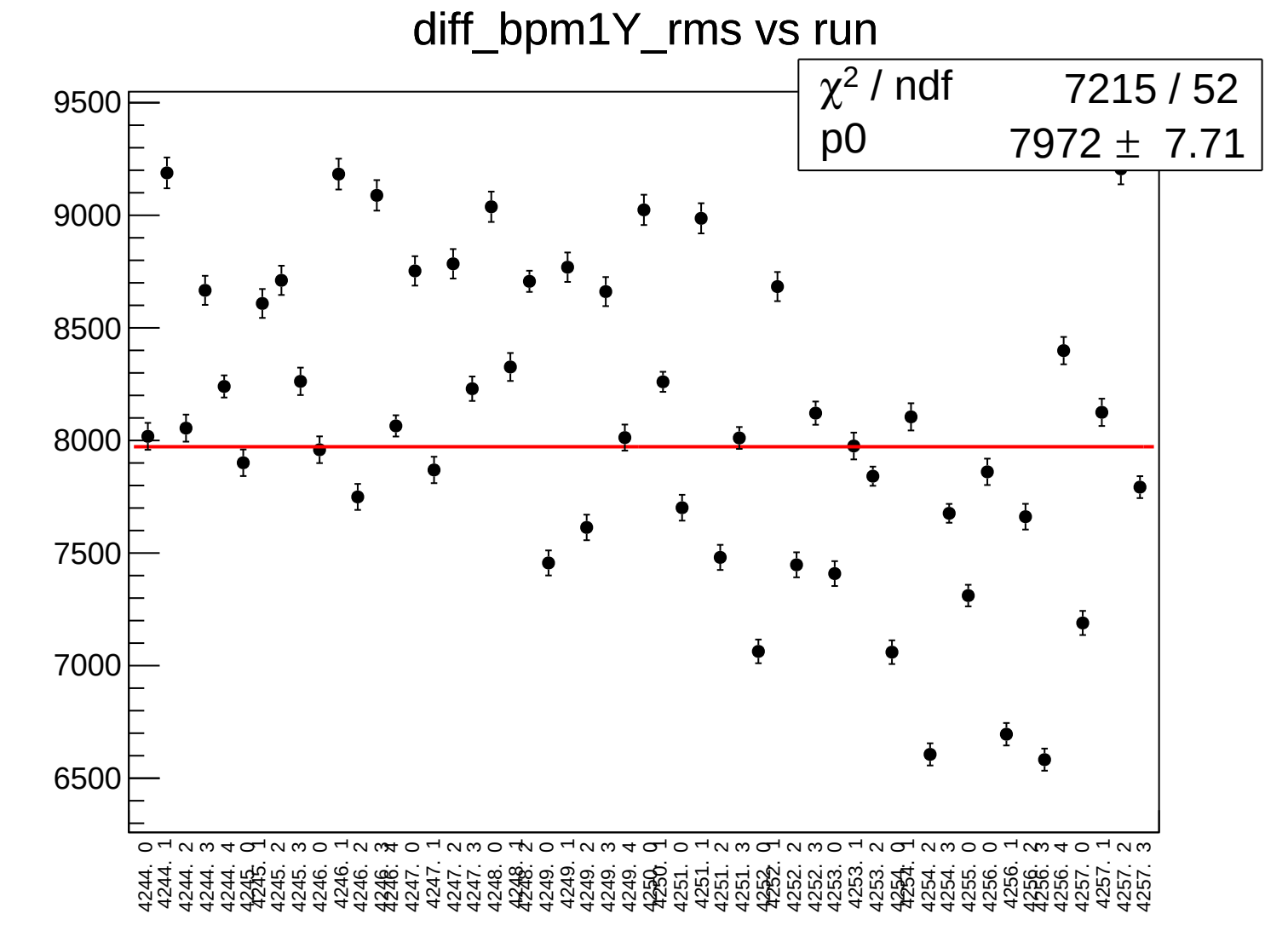

diff_bpm1X_mean vs run
χ² / ndf 67.42 / 52
p0 11.66 ± 11.4
pull
Entries 53
Mean −68.33
Std Dev 169


pull1D
Entries 53
Mean 0.001325
Std Dev 1.128


diff_bpm1X_rms vs run
χ² / ndf 799.2 / 52
p0 8357 ± 8.059
9200
9000
8800
8600
8400
8200
8000
7800


diff_bpm1Y_mean vs run
χ² / ndf 69.28 / 52
p0 −1.927 ± 10.9
pull
Entries 53
Mean −844.9
Std Dev 862.7


pull1D
Entries 53
Mean −0.003846
Std Dev 1.143


diff_bpm1Y_rms vs run
χ² / ndf 7215 / 52
p0 7972 ± 7.71
9500
9000
8500
8000
7500
7000
6500
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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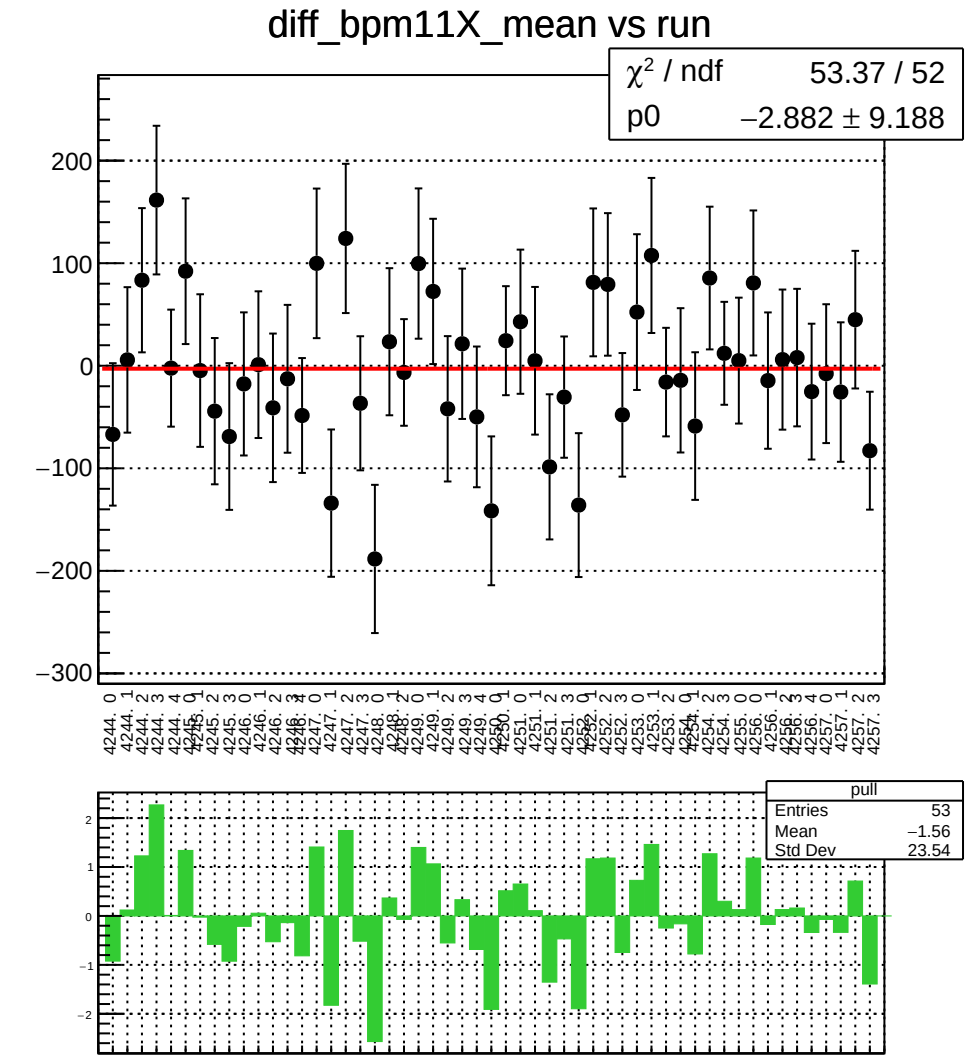
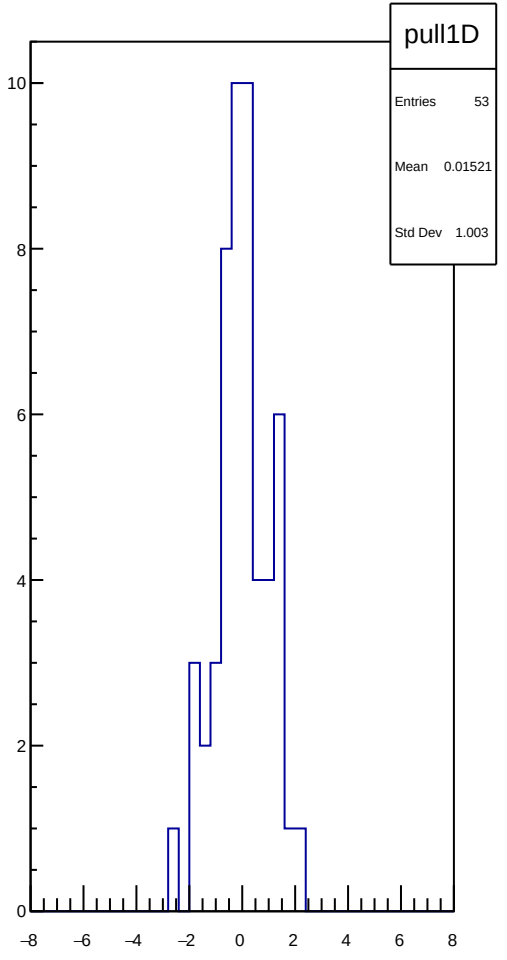
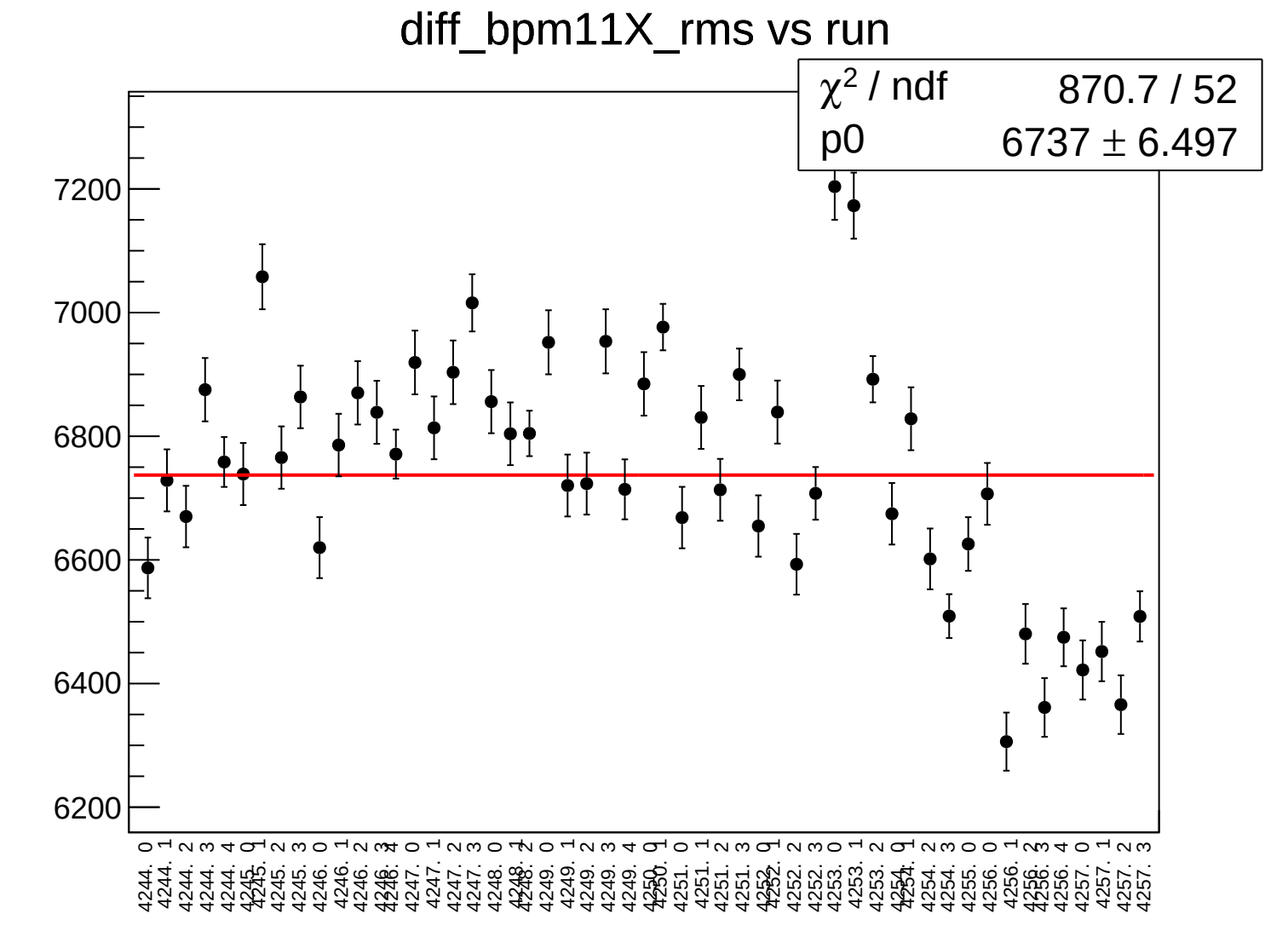
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


diff_bpm11X_mean vs run
χ² / ndf 53.37 / 52
p0 −2.882 ± 9.188
200
100
0
−100
−200
−300
pull
Entries 53
Mean −1.56
Std Dev 23.54
2
1
0
−1
−2


pull1D
Entries 53
Mean 0.01521
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm11X_rms vs run
χ² / ndf 870.7 / 52
p0 6737 ± 6.497
7200
7000
6800
6600
6400
6200
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
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4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
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4255. 0
4256. 0
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4256. 4
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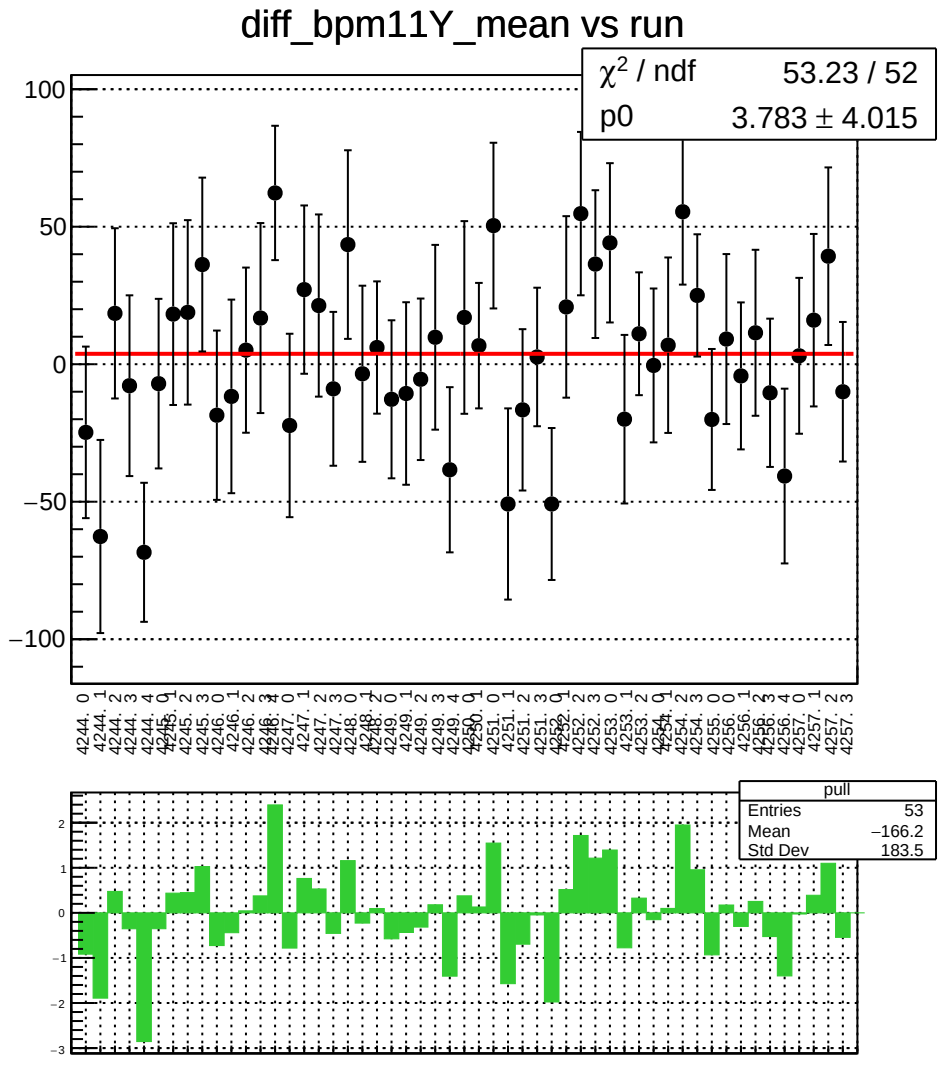
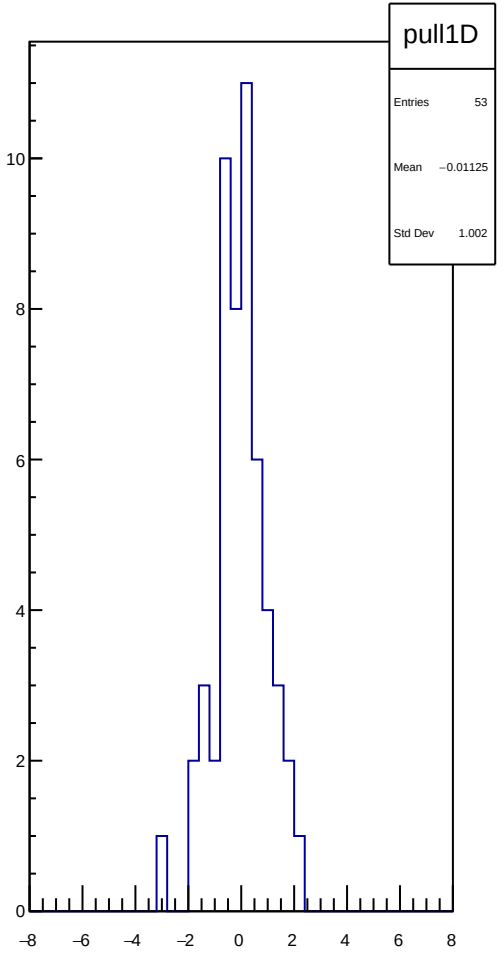
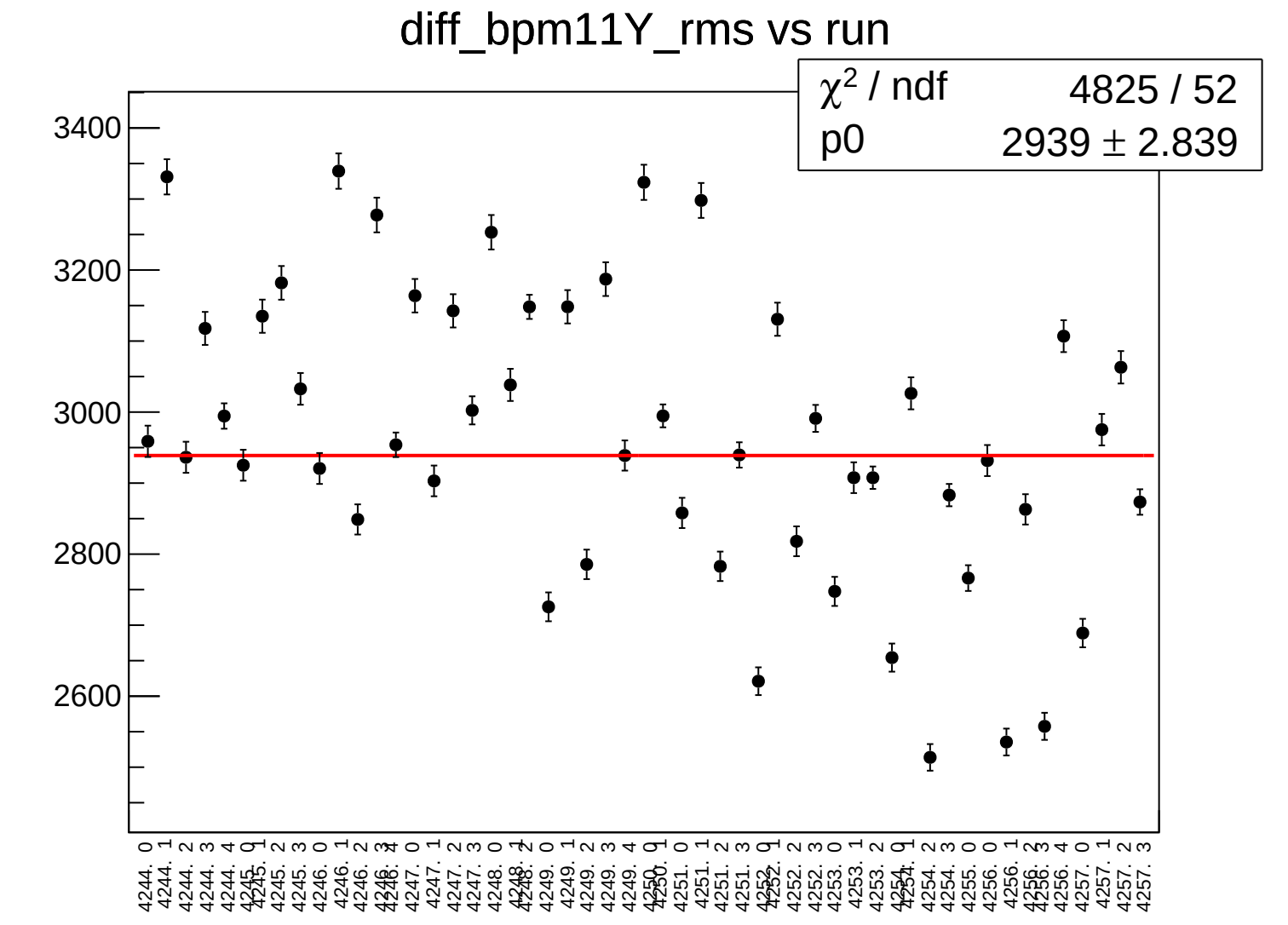
4257. 2
4257. 3


diff_bpm11Y_mean vs run
χ^2 / ndf 53.23 / 52
p0 3.783 ± 4.015
100
50
0
−50
−100
pull
Entries 53
Mean −166.2
Std Dev 183.5
2
1
0
−1
−2
−3


pull1D
Entries 53
Mean −0.01125
Std Dev 1.002
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm11Y_rms vs run
χ² / ndf 4825 / 52
p0 2939 ± 2.839
3400
3200
3000
2800
2600
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
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4253. 0
4253. 1
4253. 2
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4254. 1
4254. 2
4254. 3
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4256. 3
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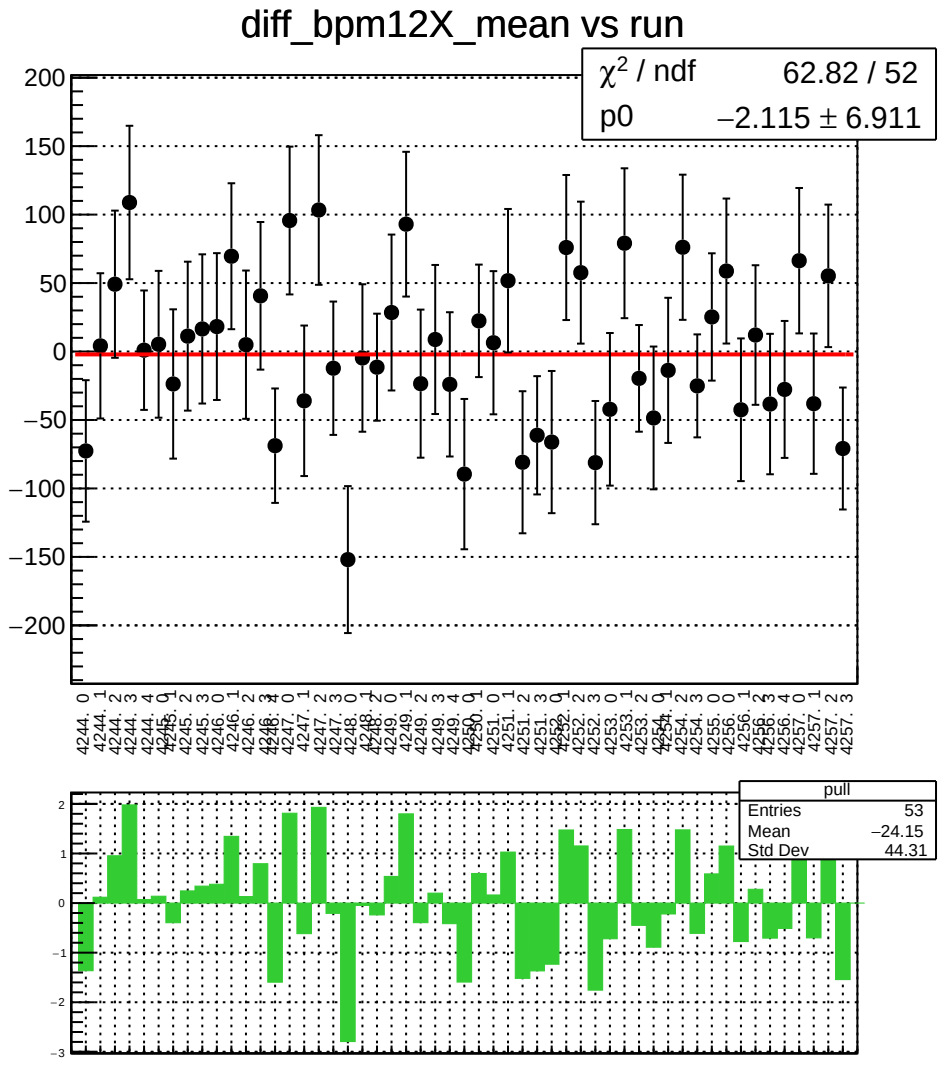
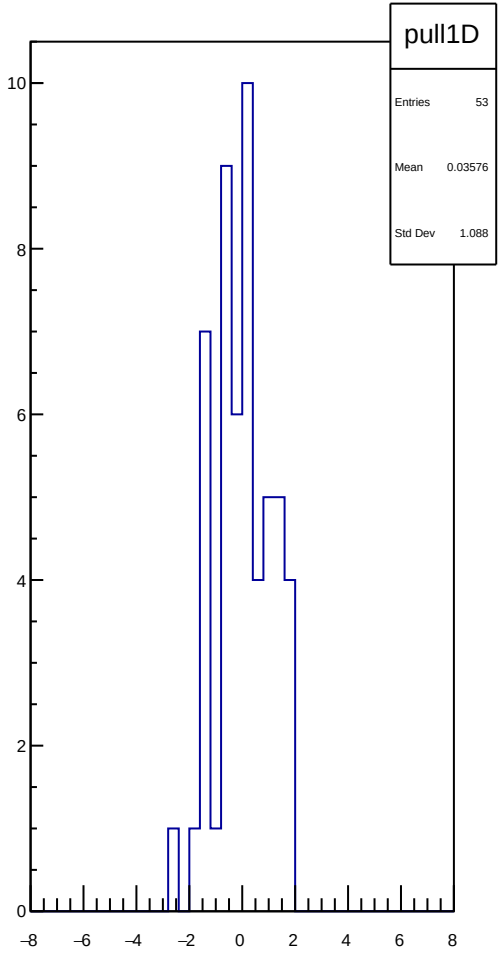
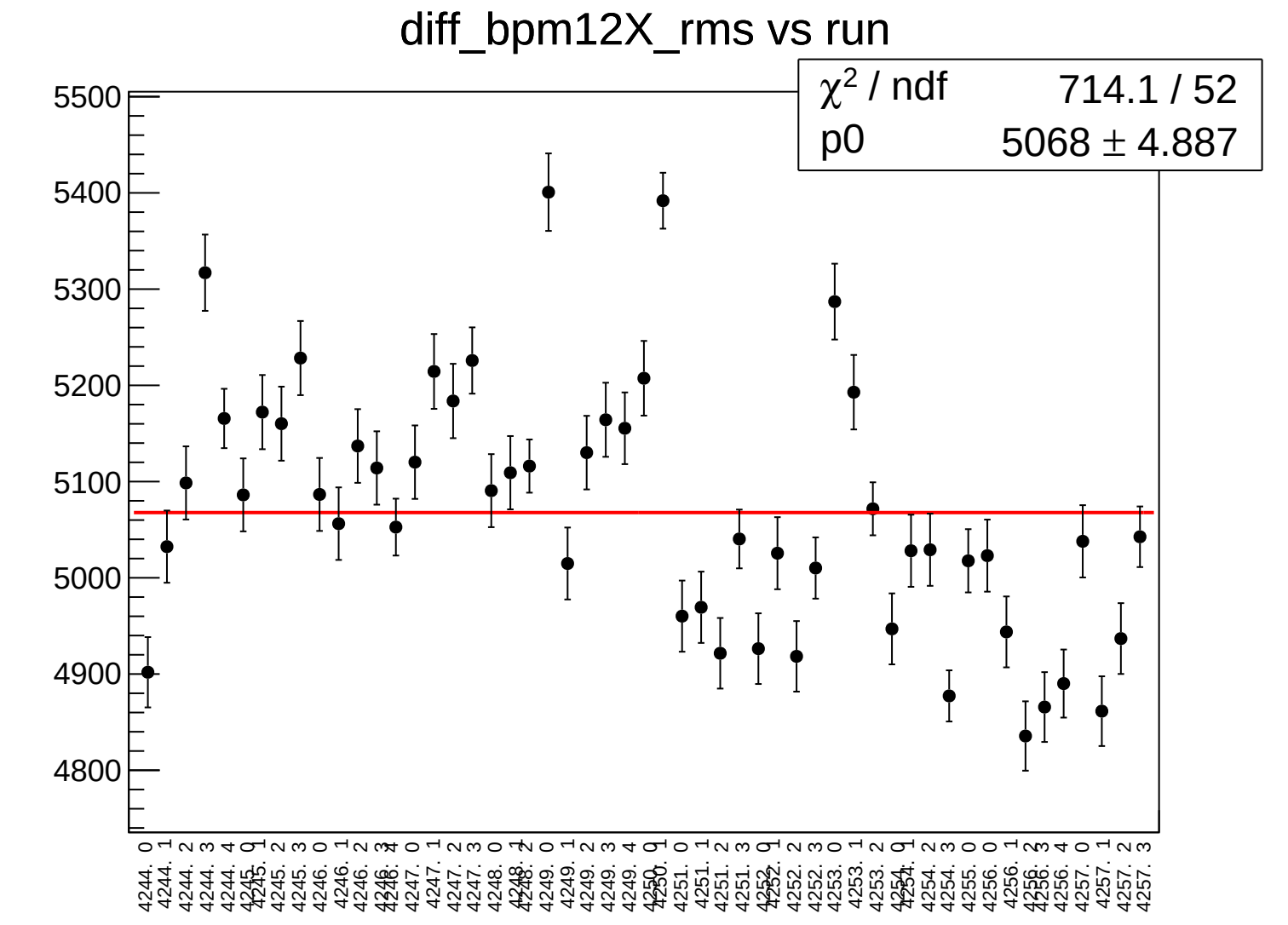
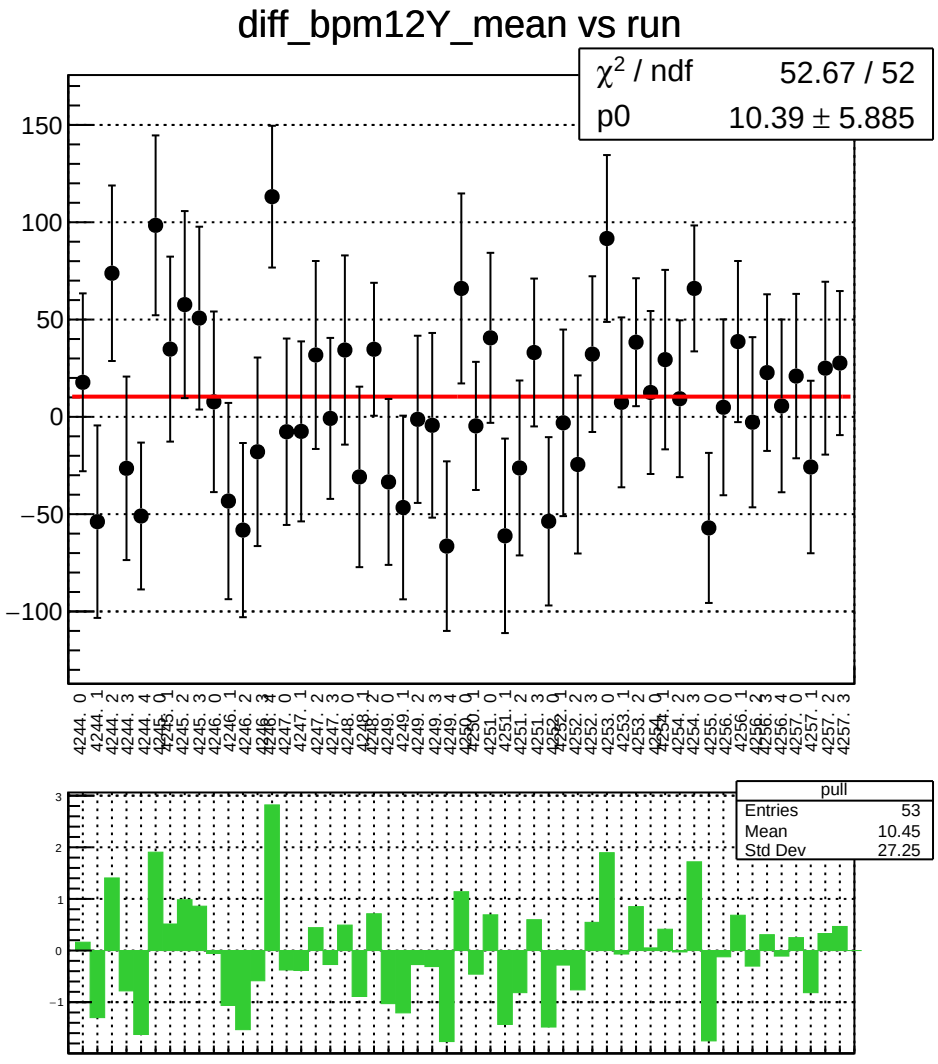
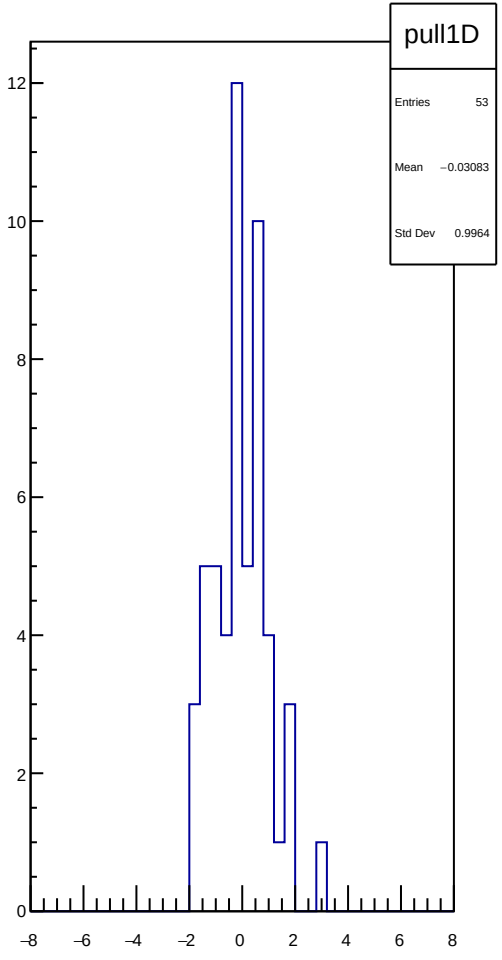
4257. 3

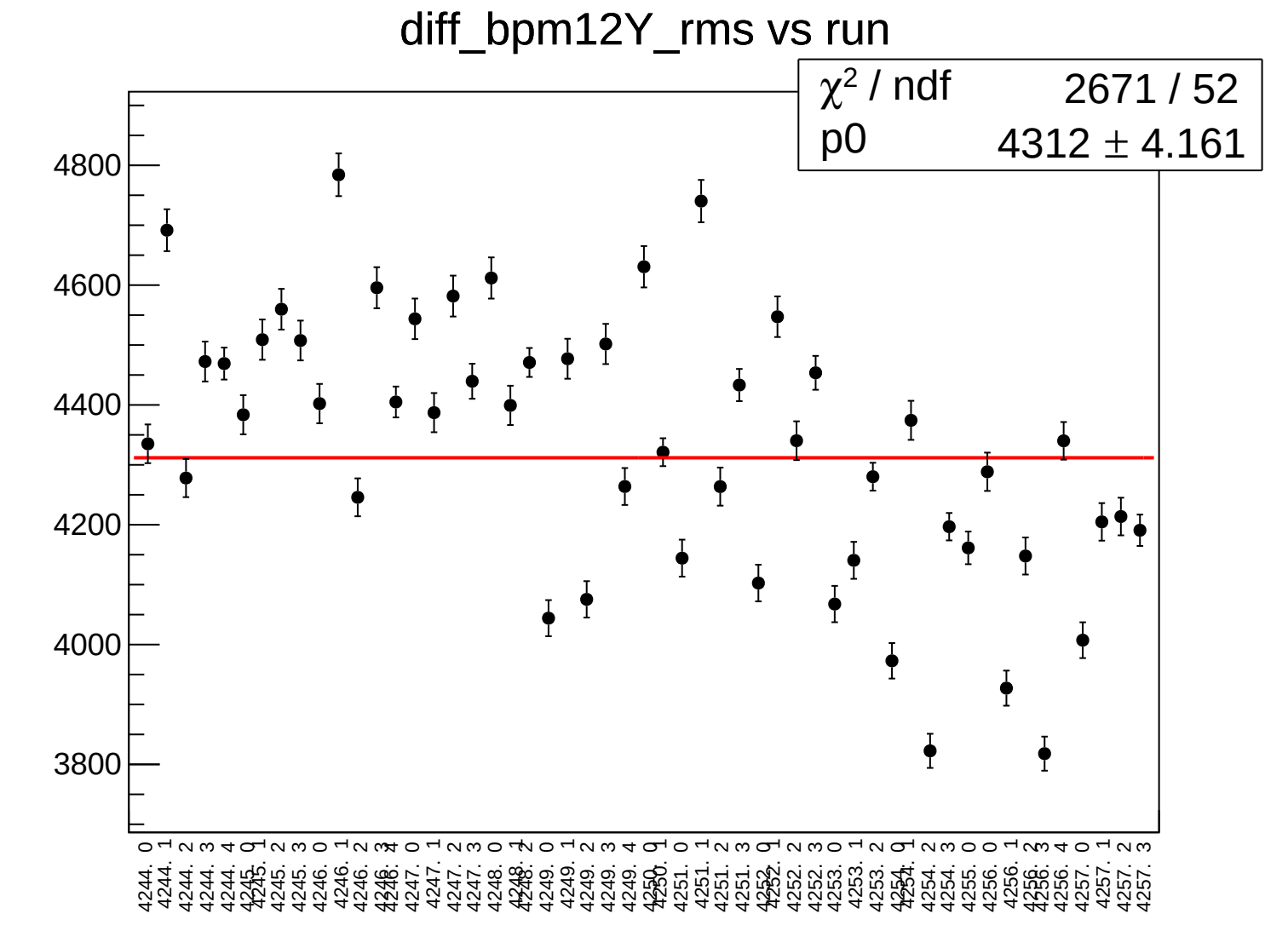

diff_bpm12X_mean vs run
χ² / ndf 62.82 / 52
p0 −2.115 ± 6.911
pull
Entries 53
Mean −24.15
Std Dev 44.31

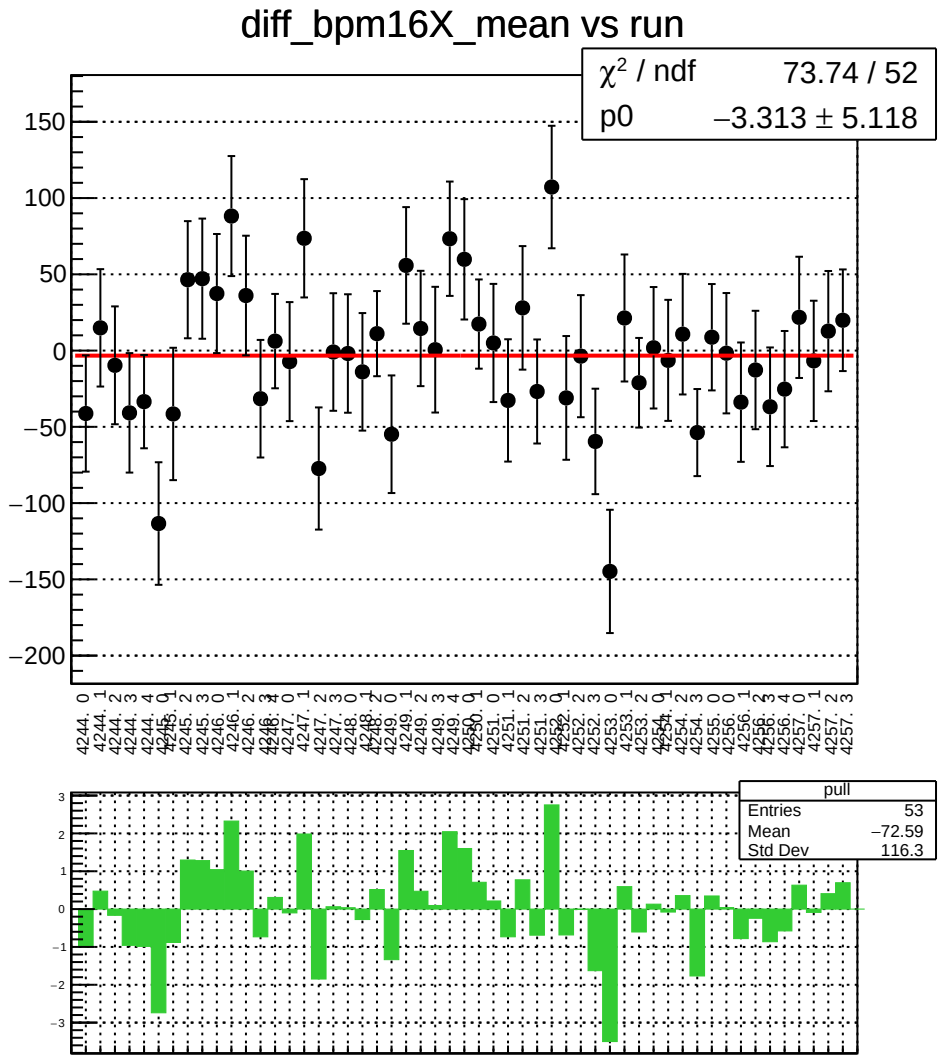

pull1D
Entries 53
Mean 0.03576
Std Dev 1.088

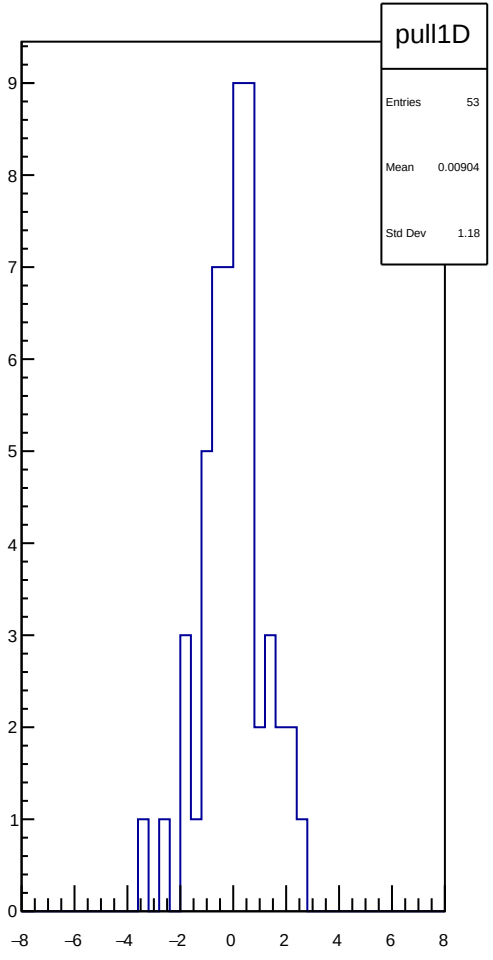

diff_bpm12X_rms vs run
χ² / ndf 714.1 / 52
p0 5068 ± 4.887
5500
5400
5300
5200
5100
5000
4900
4800
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

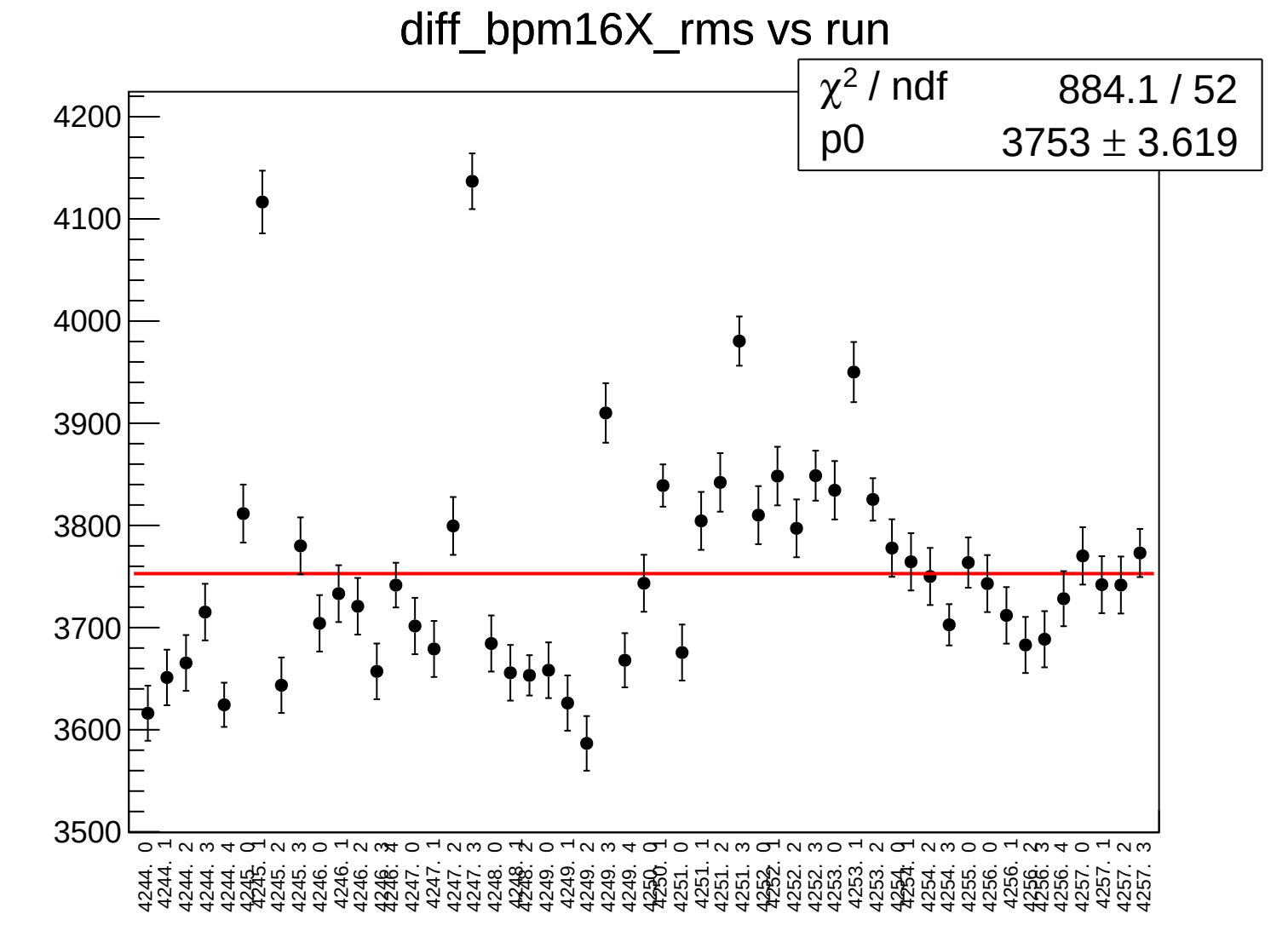

diff_bpm12Y_mean vs run
χ^2 / ndf 52.67 / 52
p0 10.39 ± 5.885
150
100
50
0
−50
−100
pull
Entries 53
Mean 10.45
Std Dev 27.25
3
2
1
0
−1

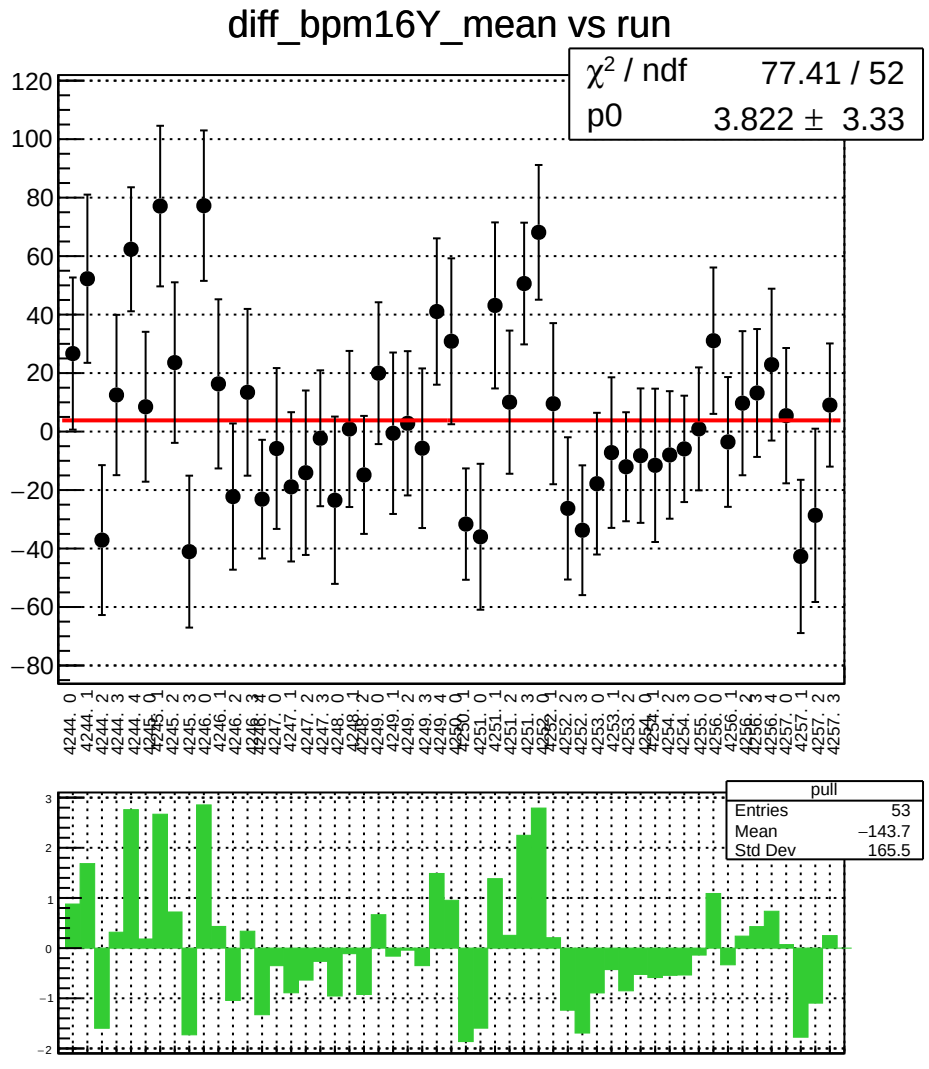

pull1D
Entries 53
Mean −0.03083
Std Dev 0.9964
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

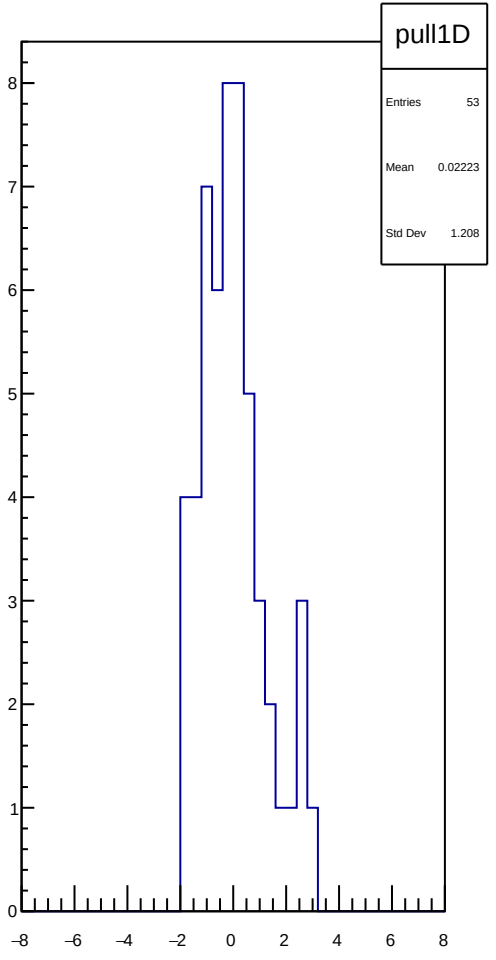

diff_bpm12Y_rms vs run
χ² / ndf 2671 / 52
p0 4312 ± 4.161
4800
4600
4400
4200
4000
3800
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

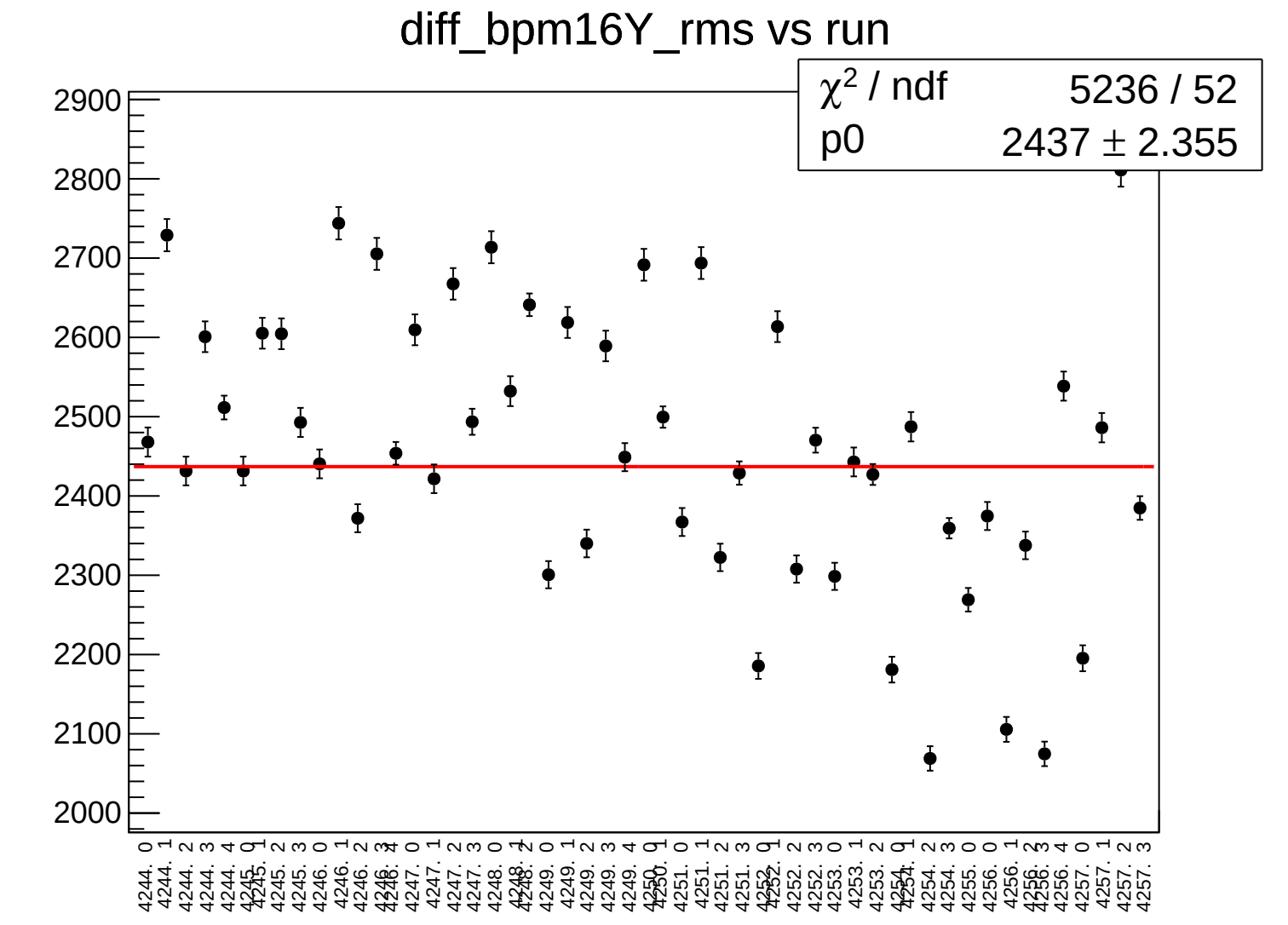

diff_bpm16X_mean vs run
χ² / ndf 73.74 / 52
p0 −3.313 ± 5.118
150
100
50
0
−50
−100
−150
−200
pull
Entries 53
Mean −72.59
Std Dev 116.3
3
2
1
0
−1
−2
−3

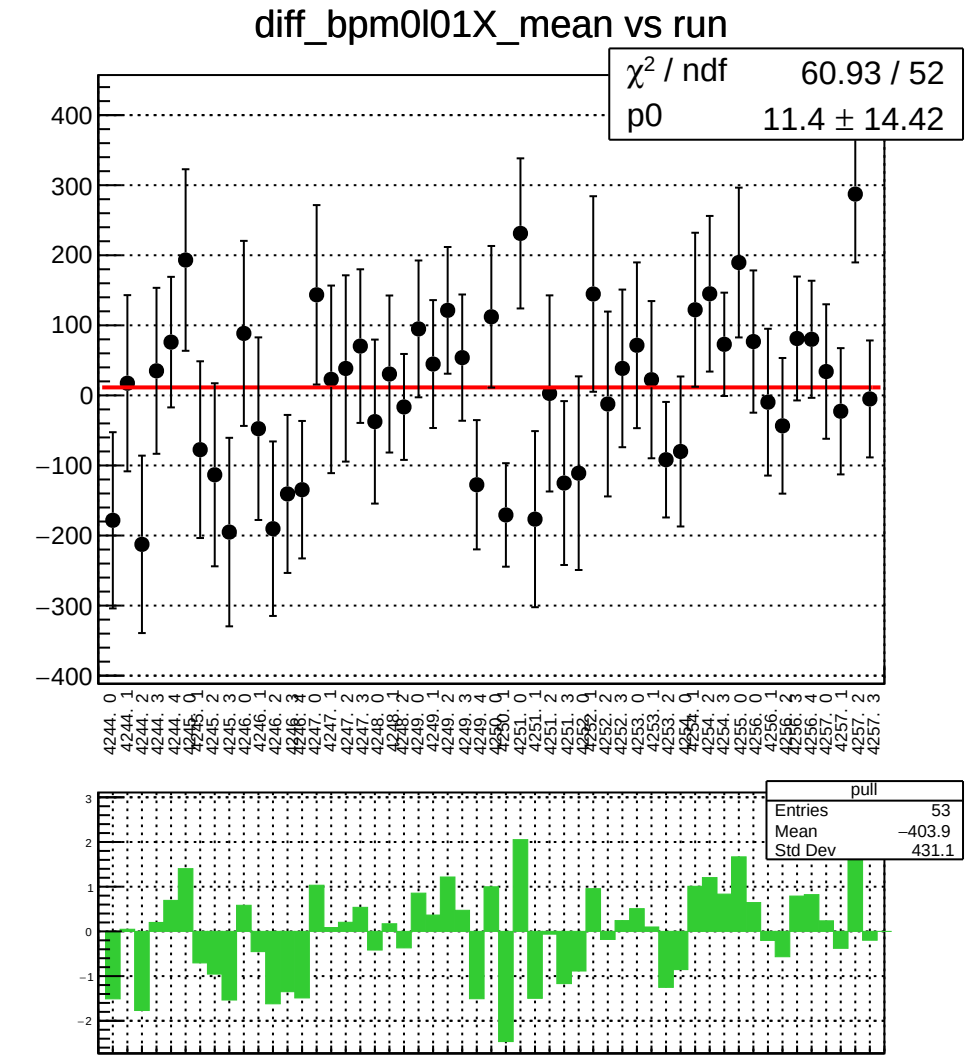

pull1D
Entries 53
Mean 0.00904
Std Dev 1.18
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

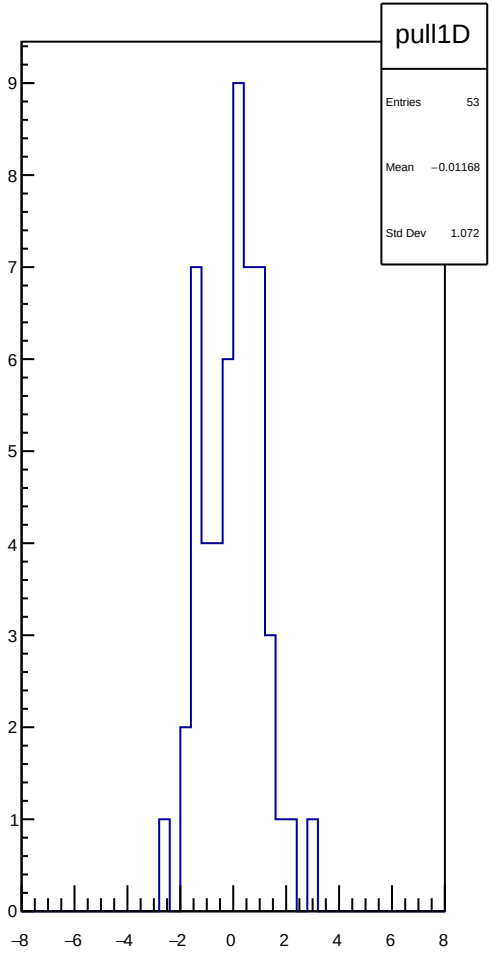

diff_bpm16X_rms vs run
χ² / ndf 884.1 / 52
p0 3753 ± 3.619
4200
4100
4000
3900
3800
3700
3600
3500
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

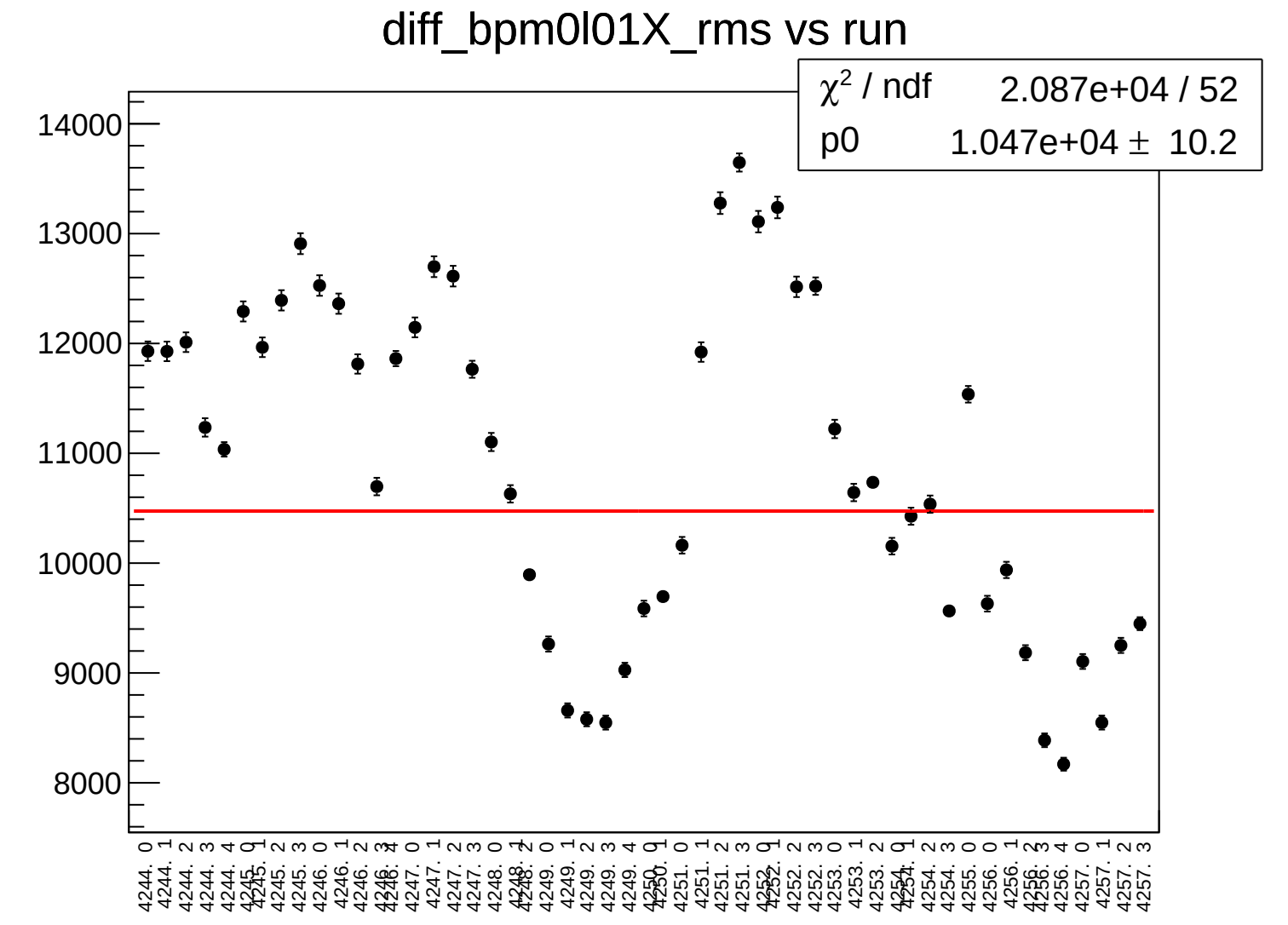

diff_bpm16Y_mean vs run
χ² / ndf 77.41 / 52
p0 3.822 ± 3.33
pull
Entries 53
Mean −143.7
Std Dev 165.5

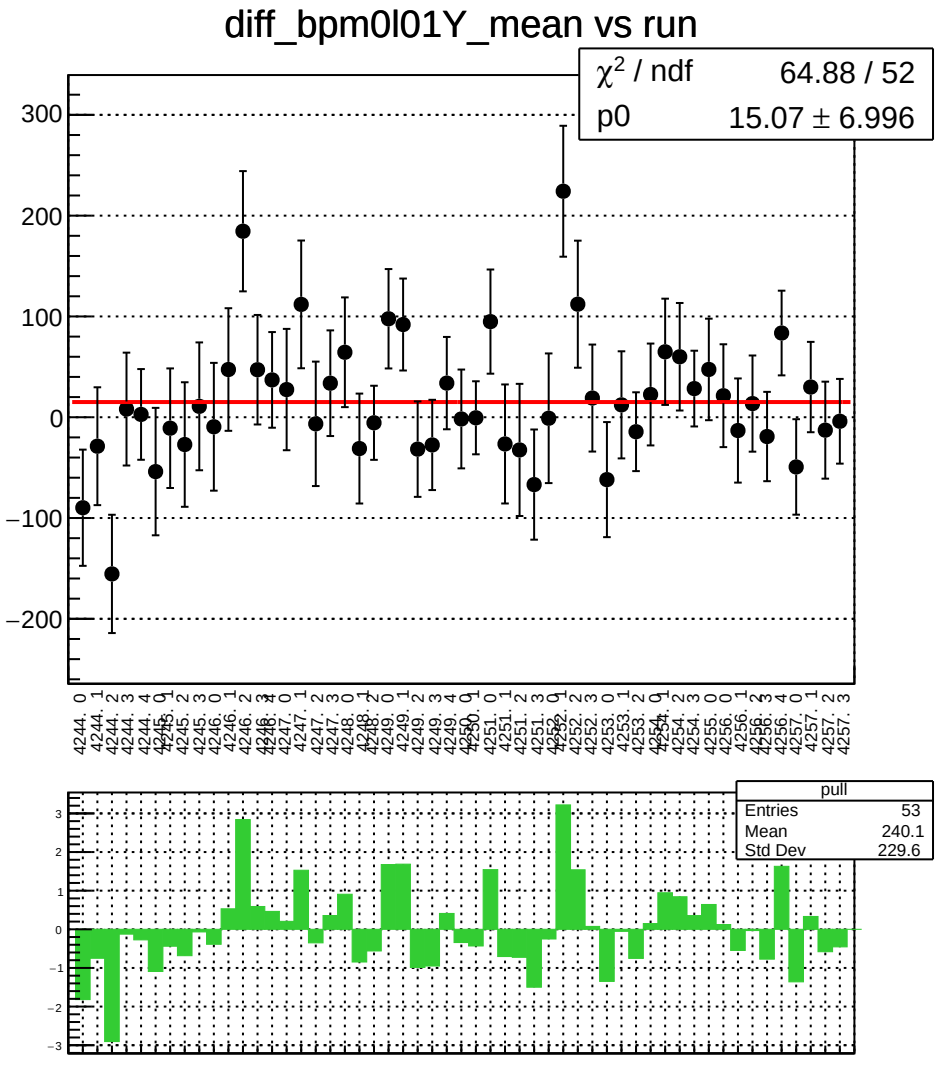

pull1D
Entries 53
Mean 0.02223
Std Dev 1.208

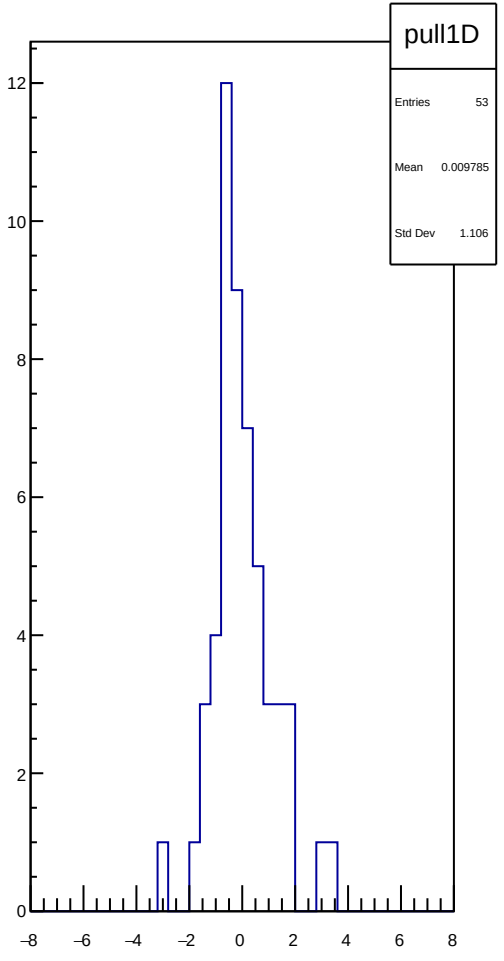

diff_bpm16Y_rms vs run
χ² / ndf 5236 / 52
p0 2437 ± 2.355
2900
2800
2700
2600
2500
2400
2300
2200
2100
2000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

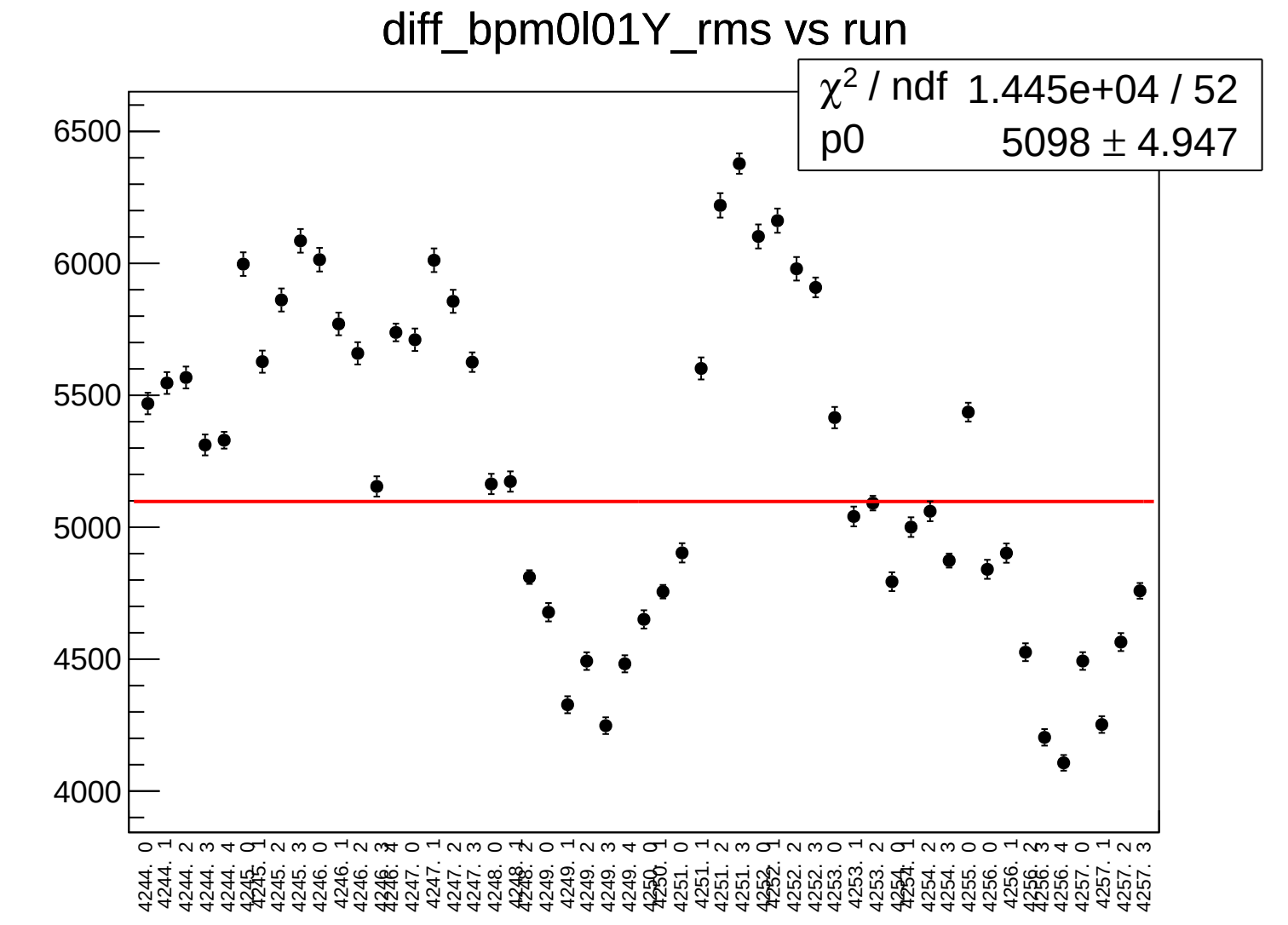

diff_bpm0l01X_mean vs run
χ² / ndf 60.93 / 52
p0 11.4 ± 14.42
pull
Entries 53
Mean −403.9
Std Dev 431.1

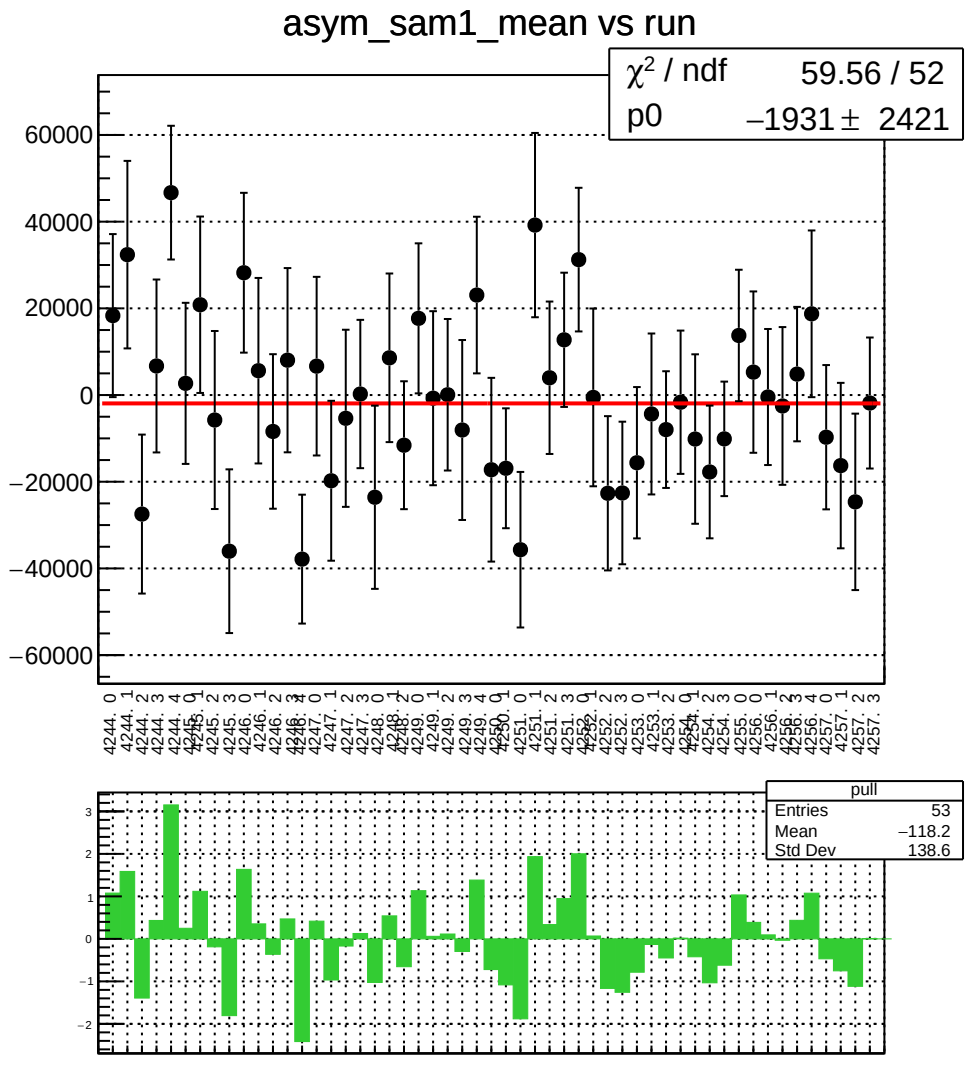

pull1D
Entries 53
Mean −0.01168
Std Dev 1.072

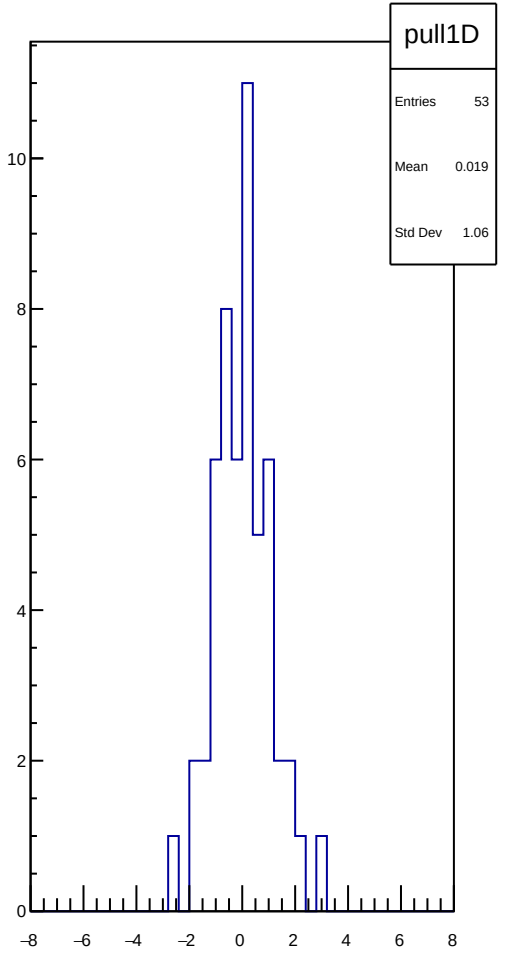

diff_bpm0l01X_rms vs run
χ² / ndf 2.087e+04 / 52
p0 1.047e+04 ± 10.2
14000
13000
12000
11000
10000
9000
8000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

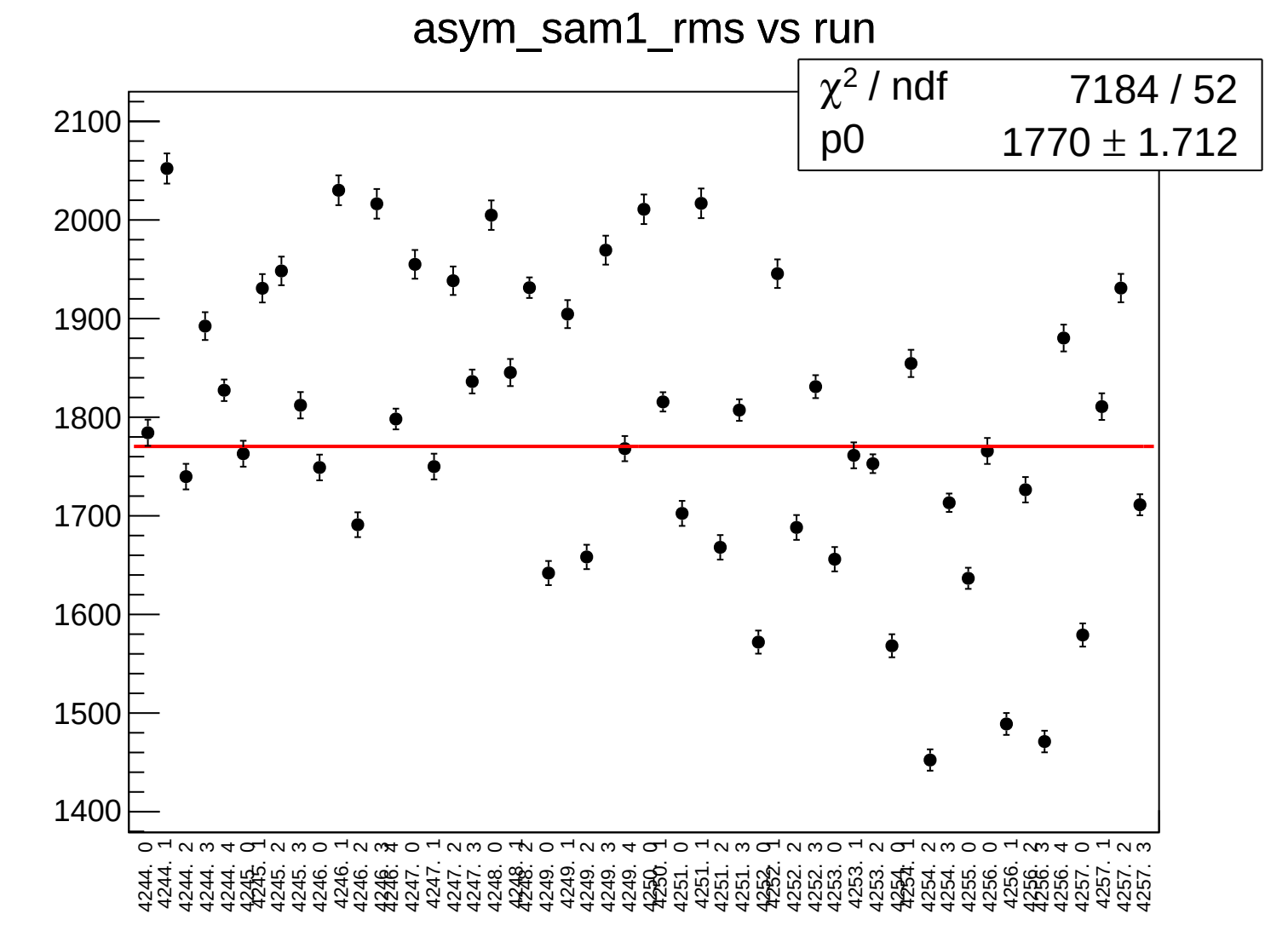

diff_bpm0l01Y_mean vs run
χ² / ndf 64.88 / 52
p0 15.07 ± 6.996
pull
Entries 53
Mean 240.1
Std Dev 229.6

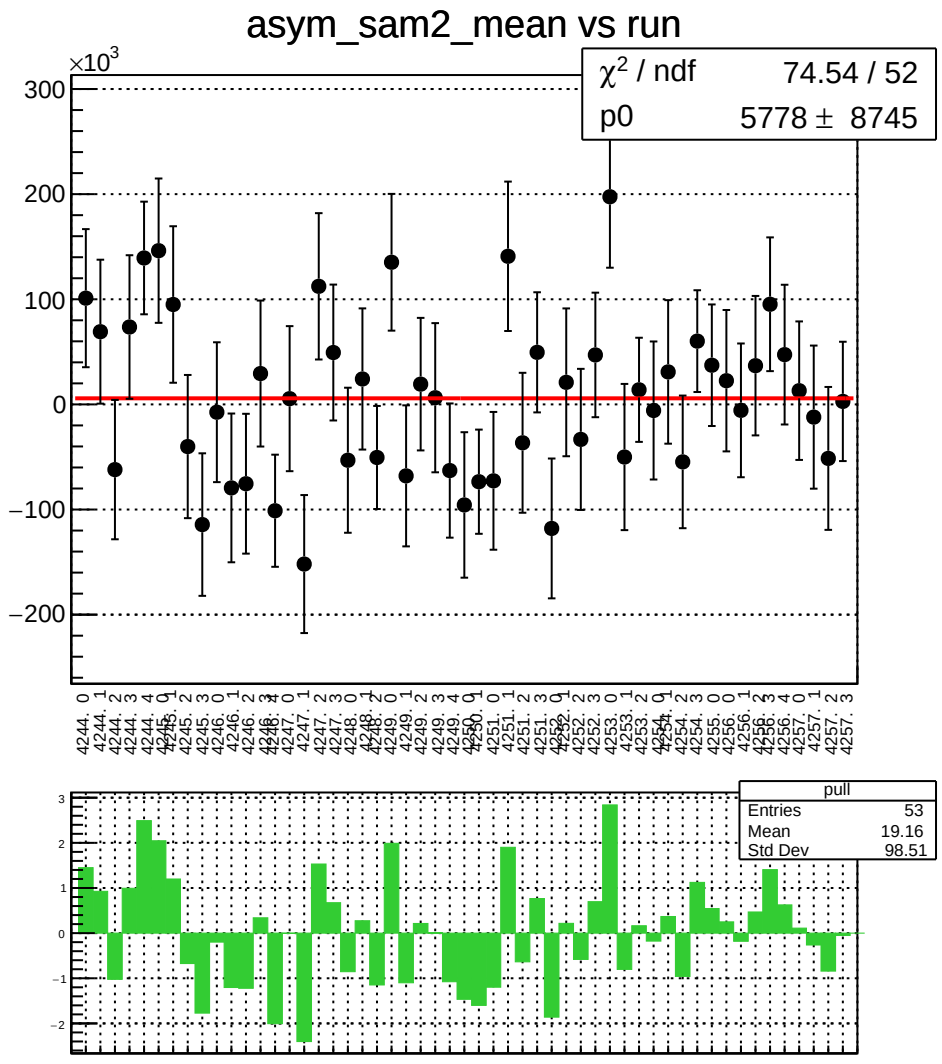

pull1D
Entries 53
Mean 0.009785
Std Dev 1.106

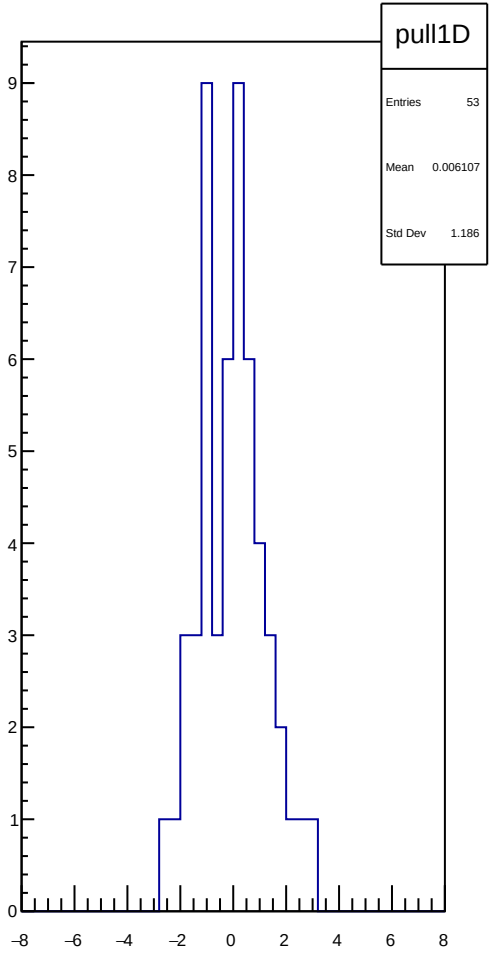

diff_bpm0l01Y_rms vs run
χ² / ndf 1.445e+04 / 52
p0 5098 ± 4.947
6500
6000
5500
5000
4500
4000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

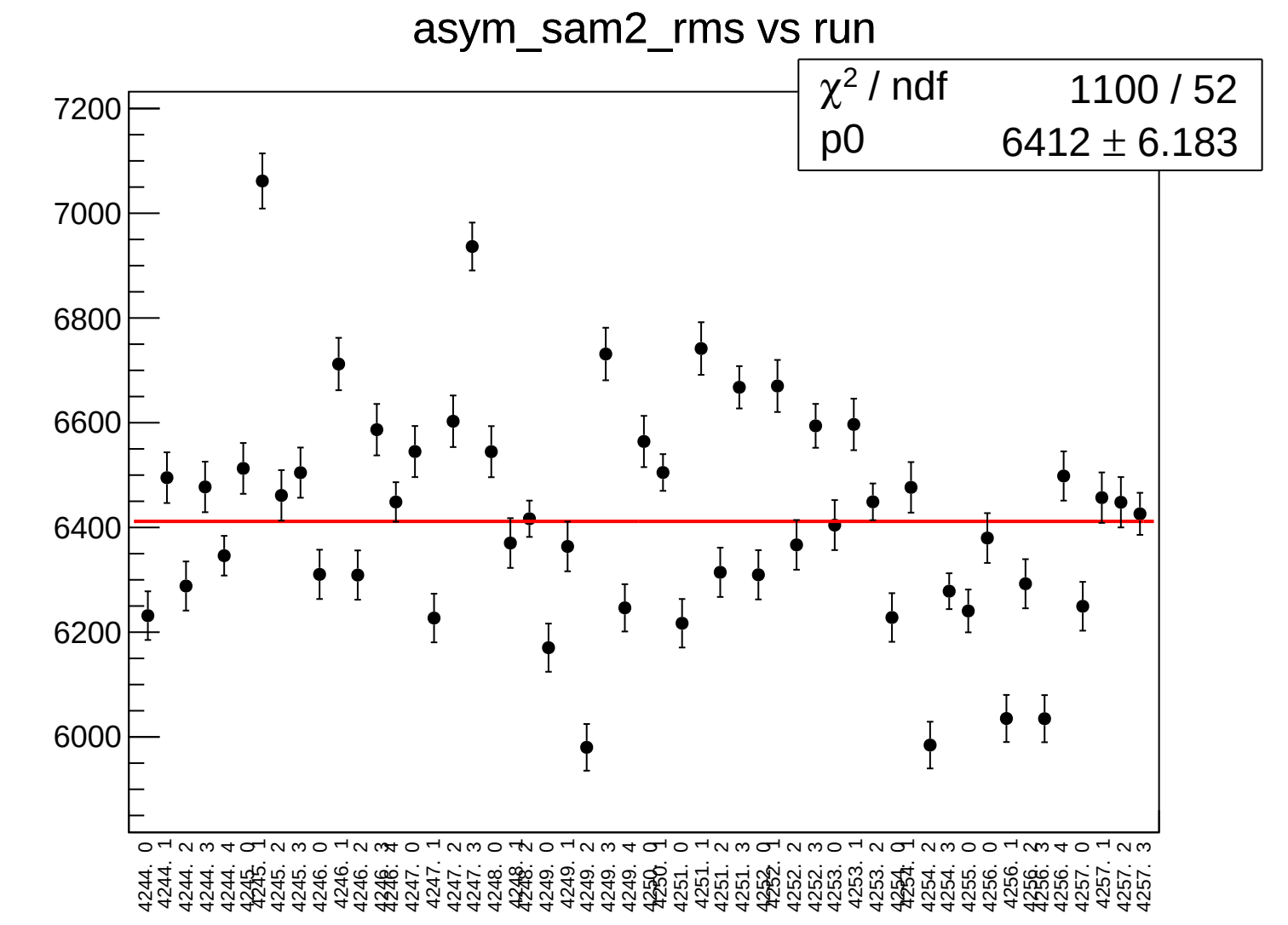

asym_sam1_mean vs run
χ² / ndf 59.56 / 52
p0 −1931 ± 2421
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −118.2
Std Dev 138.6
3
2
1
0
−1
−2

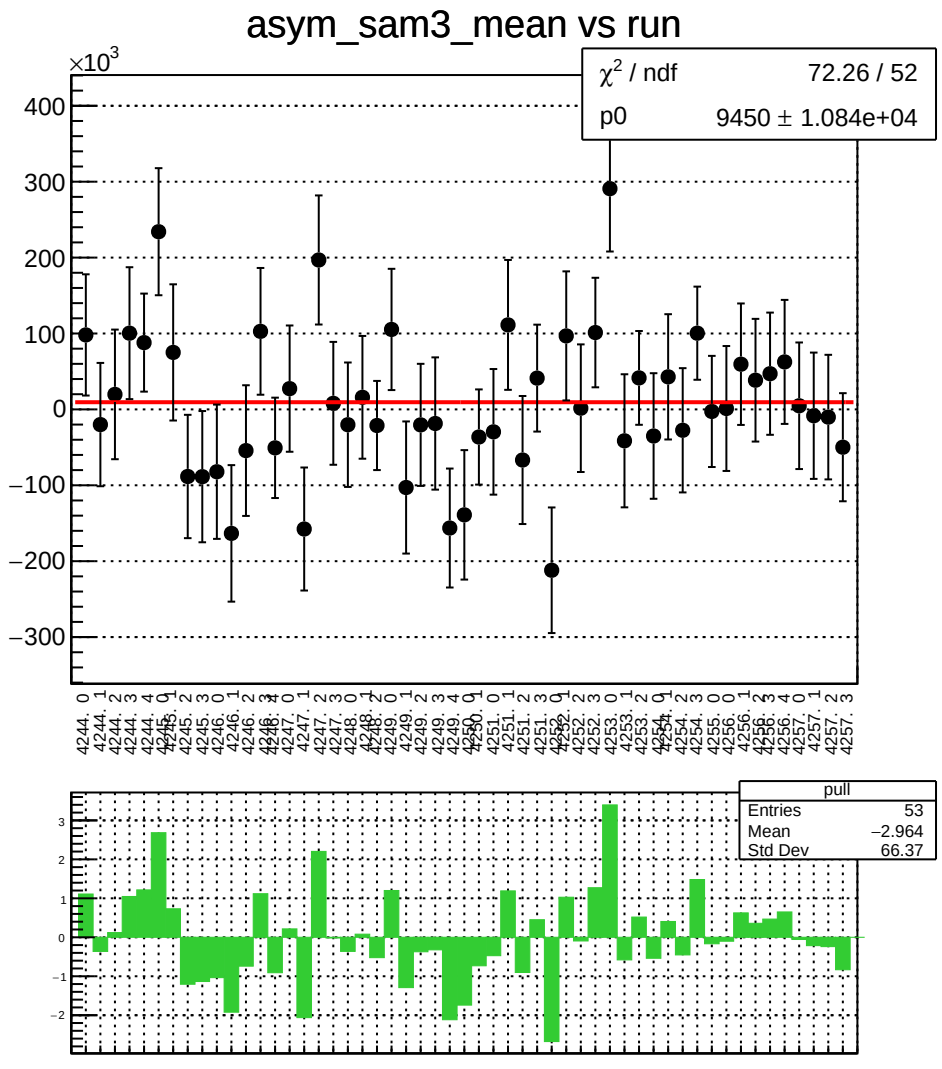

pull1D
Entries 53
Mean 0.019
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

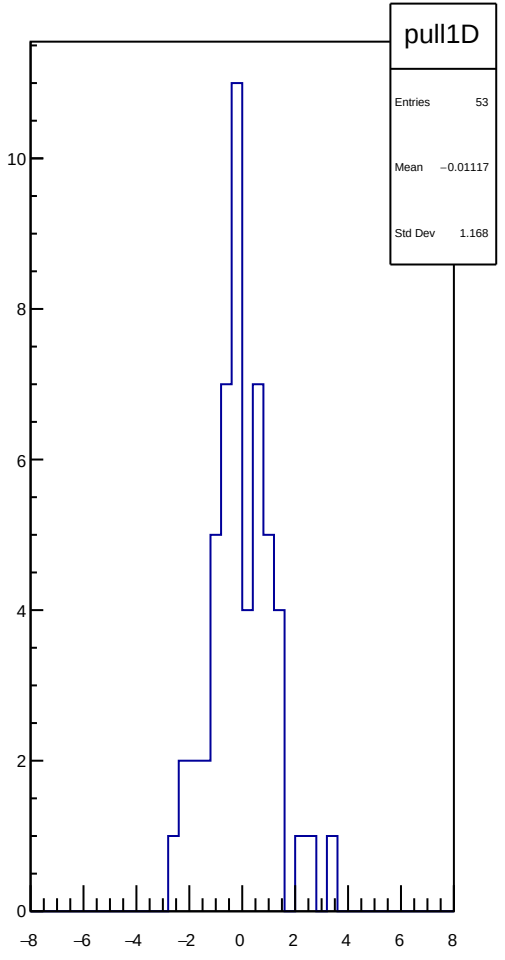

asym_sam1_rms vs run
χ² / ndf 7184 / 52
p0 1770 ± 1.712
2100
2000
1900
1800
1700
1600
1500
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

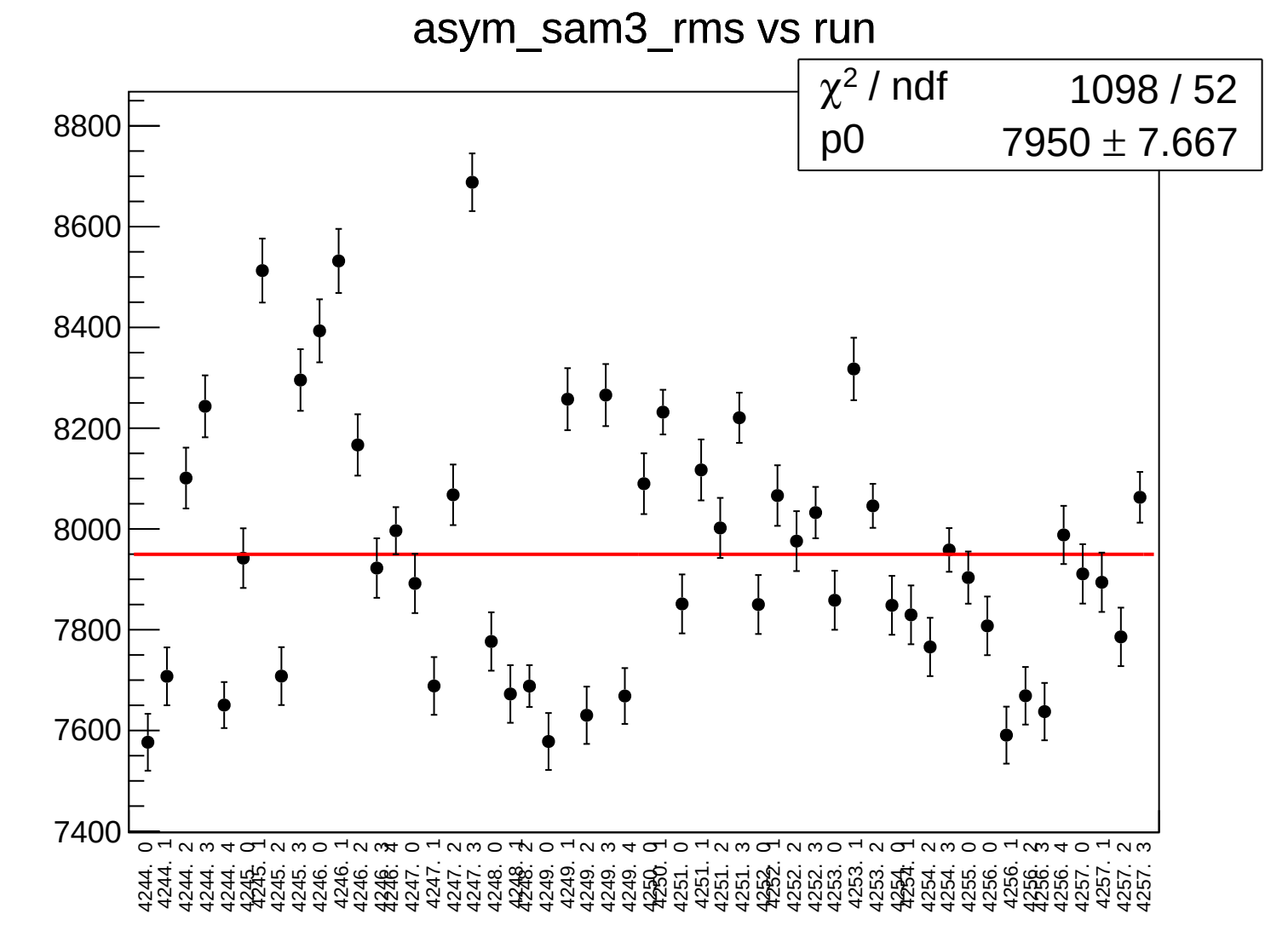

asym_sam2_mean vs run
×10^3
χ² / ndf 74.54 / 52
p0 5778 ± 8745
pull
Entries 53
Mean 19.16
Std Dev 98.51

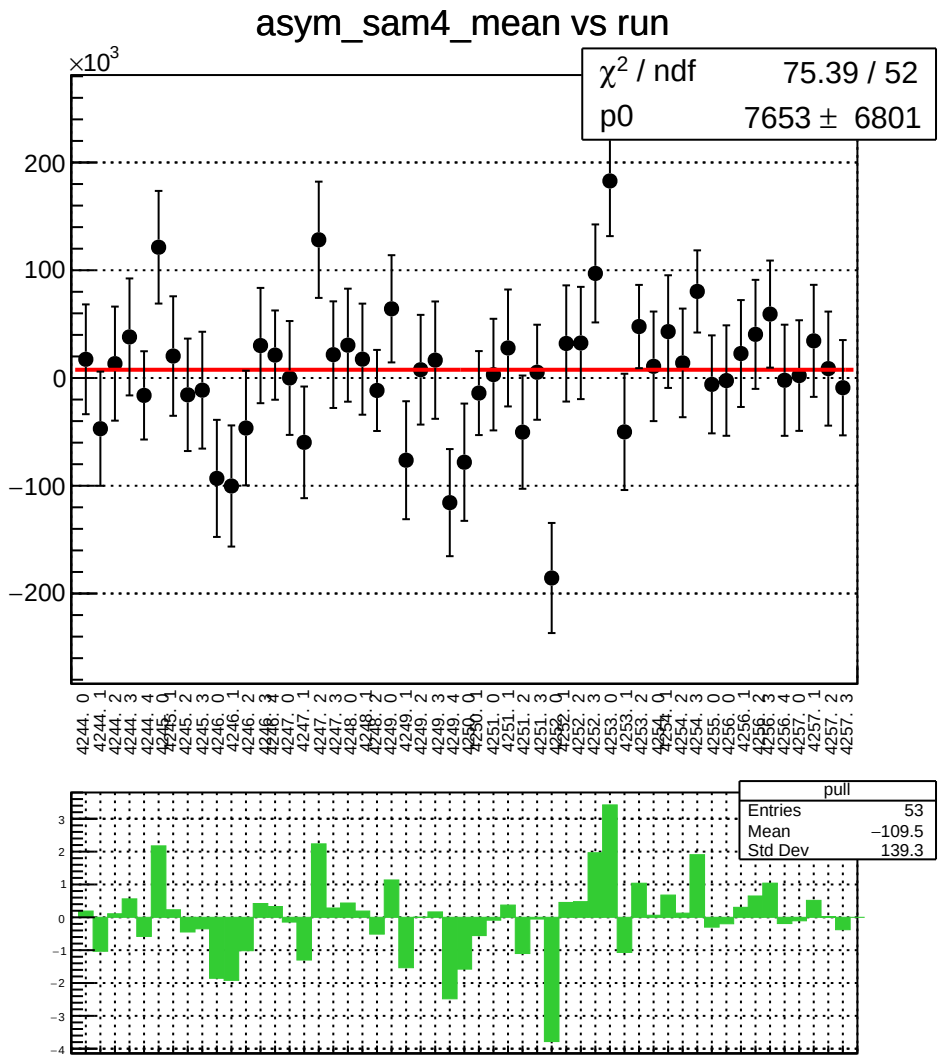

pull1D
Entries 53
Mean 0.006107
Std Dev 1.186

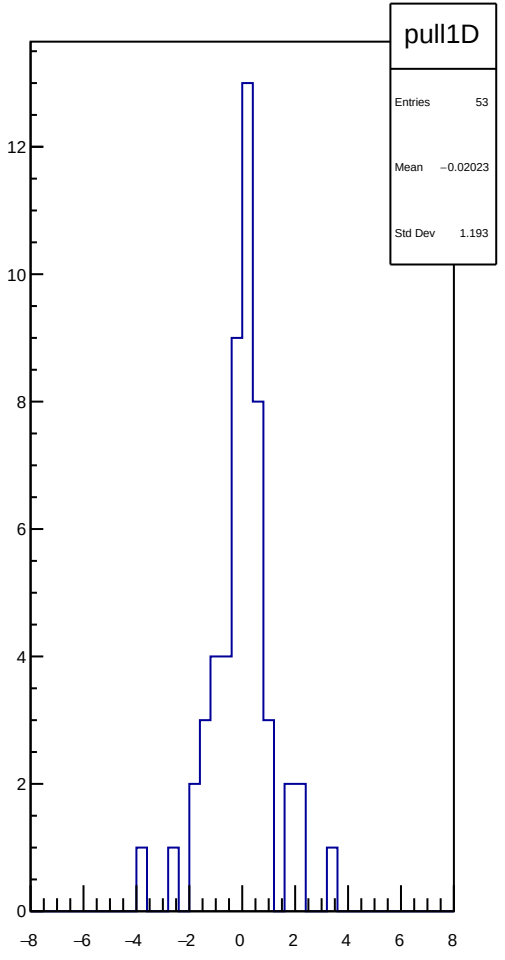

asym_sam2_rms vs run
χ² / ndf 1100 / 52
p0 6412 ± 6.183
7200
7000
6800
6600
6400
6200
6000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

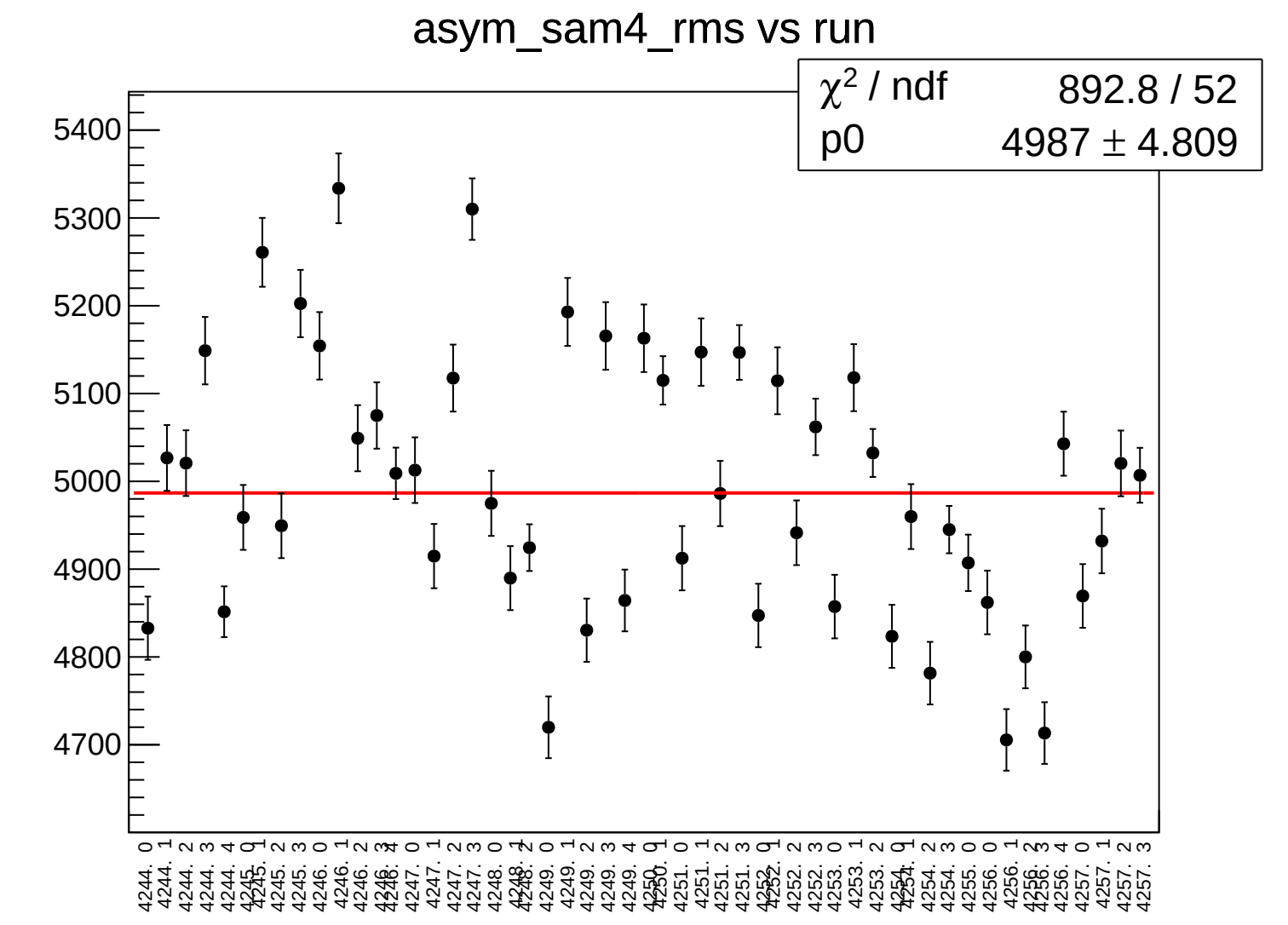

asym_sam3_mean vs run
×10^3
χ² / ndf 72.26 / 52
p0 9450 ± 1.084e+04
pull
Entries 53
Mean −2.964
Std Dev 66.37

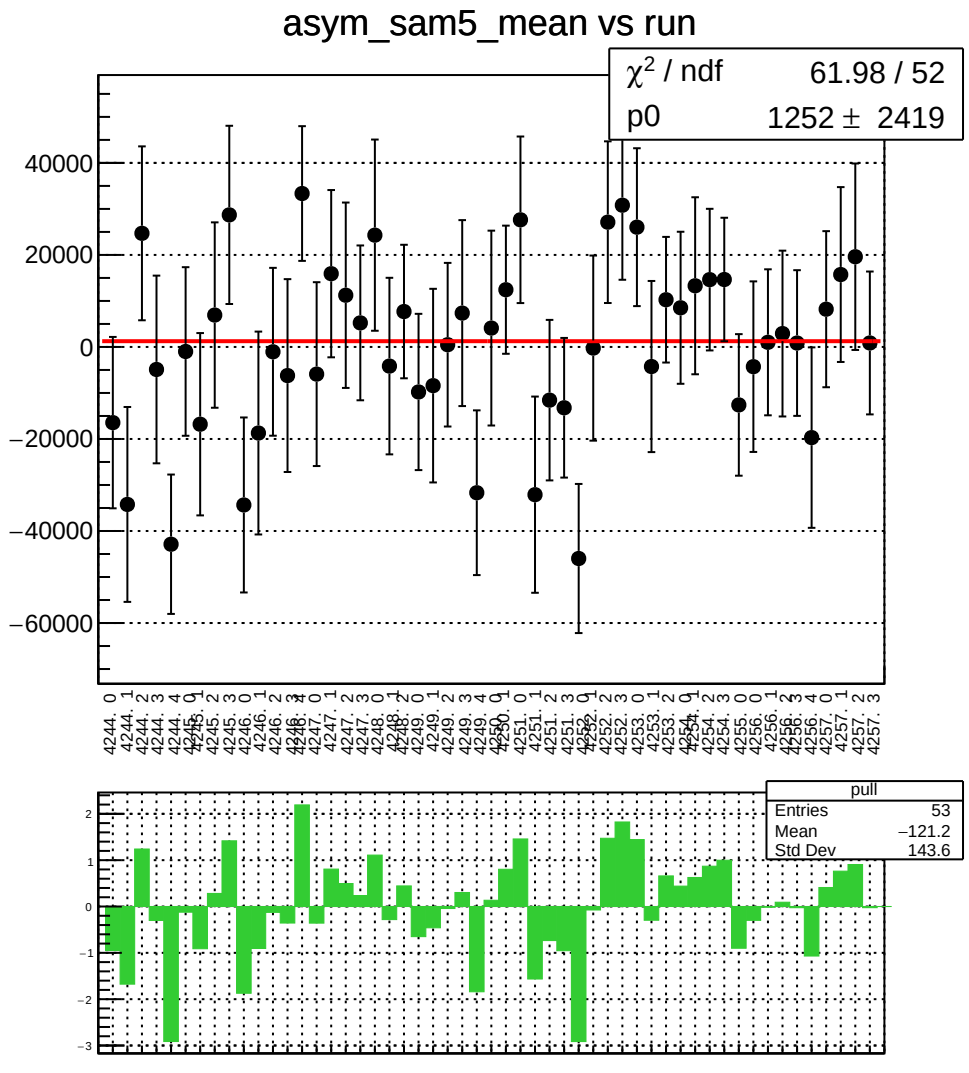

pull1D
Entries 53
Mean −0.01117
Std Dev 1.168

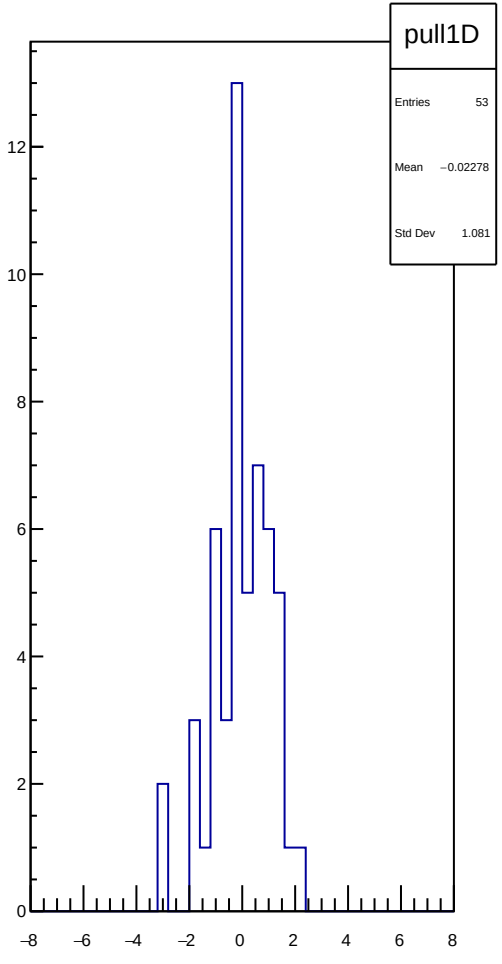

asym_sam3_rms vs run
χ² / ndf 1098 / 52
p0 7950 ± 7.667
8800
8600
8400
8200
8000
7800
7600
7400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

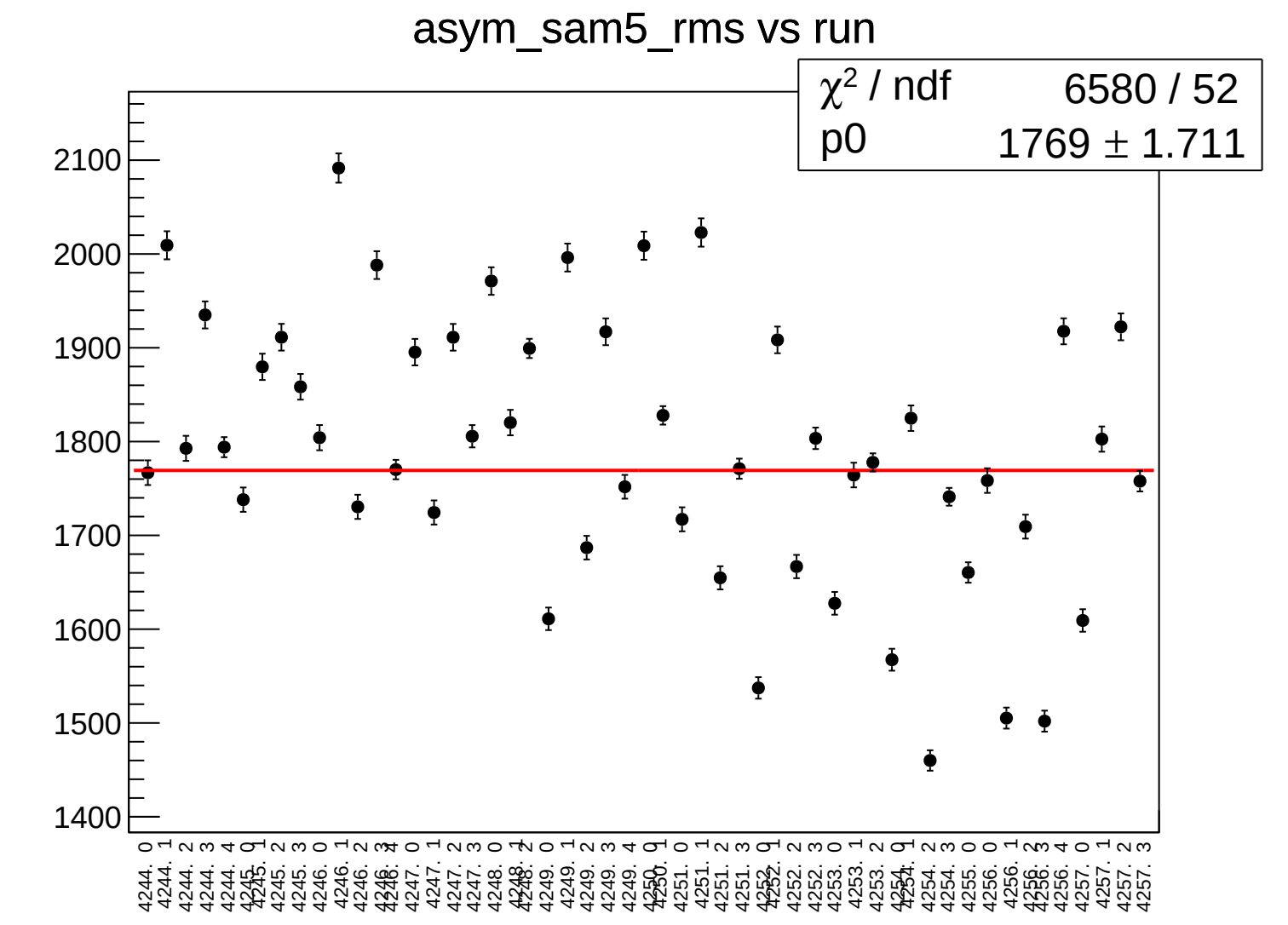

asym_sam4_mean vs run
×10^3
χ^2 / ndf 75.39 / 52
p0 7653 ± 6801
200
100
0
−100
−200
pull
Entries 53
Mean −109.5
Std Dev 139.3
3
2
1
0
−1
−2
−3
−4

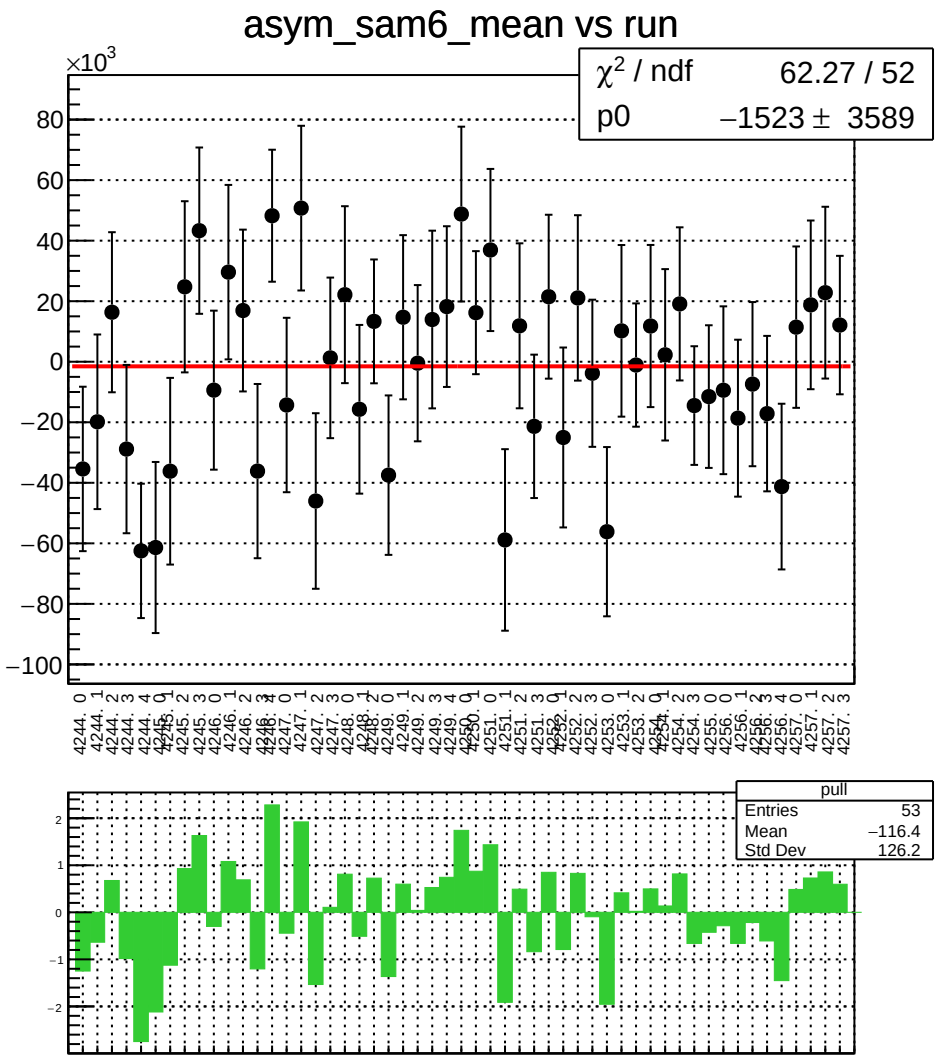

pull1D
Entries 53
Mean −0.02023
Std Dev 1.193
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

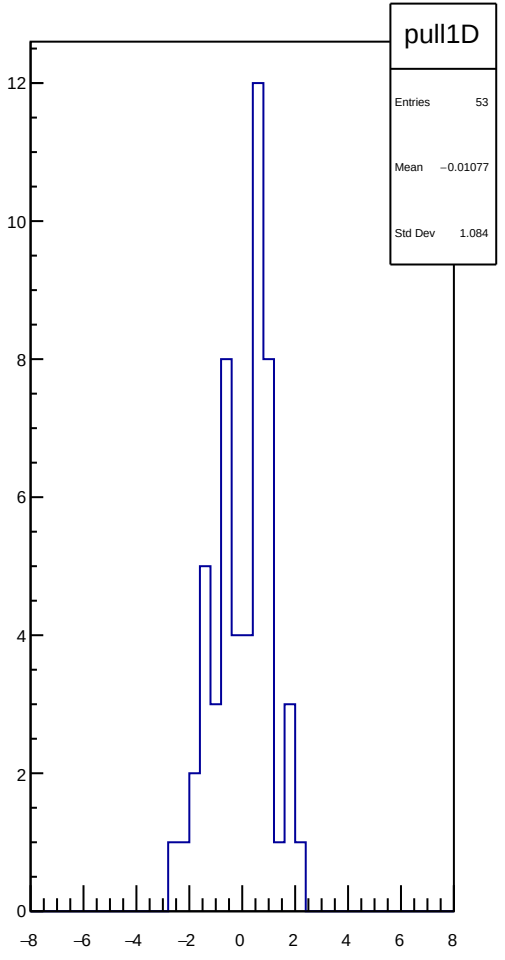

asym_sam4_rms vs run
χ^2 / ndf 892.8 / 52
p0 4987 ± 4.809
5400
5300
5200
5100
5000
4900
4800
4700
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

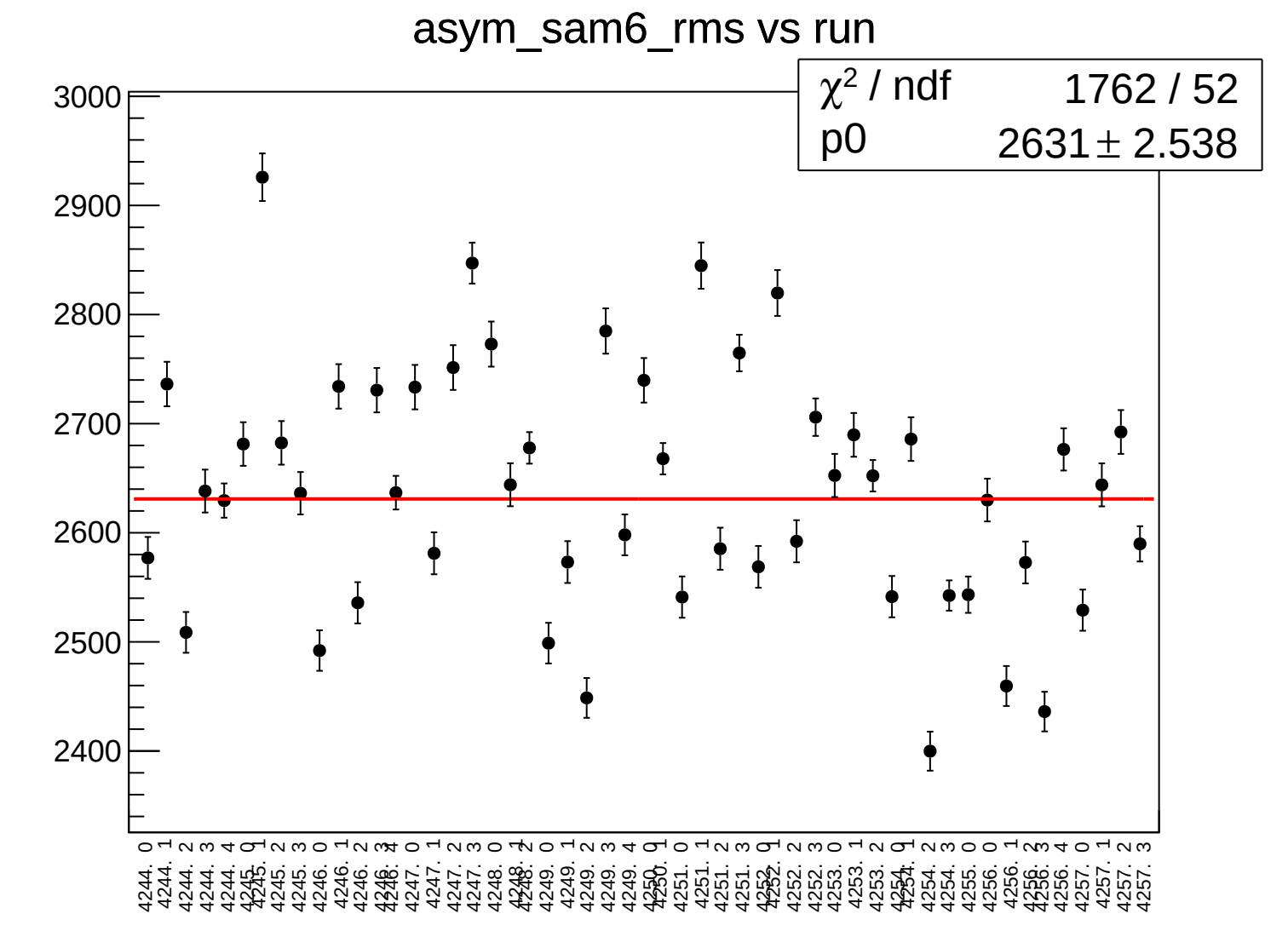

asym_sam5_mean vs run
χ² / ndf 61.98 / 52
p0 1252 ± 2419
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −121.2
Std Dev 143.6
2
1
0
−1
−2
−3

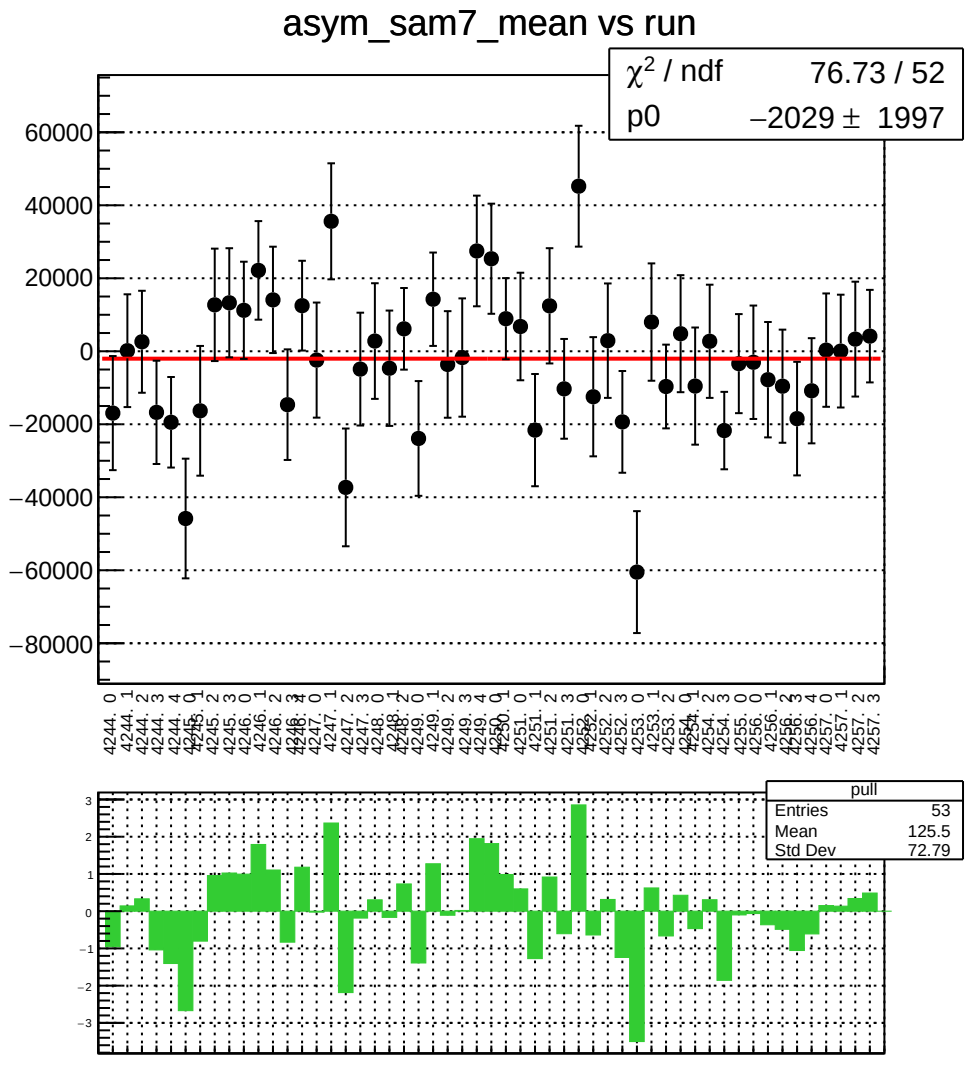

pull1D
Entries 53
Mean −0.02278
Std Dev 1.081
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

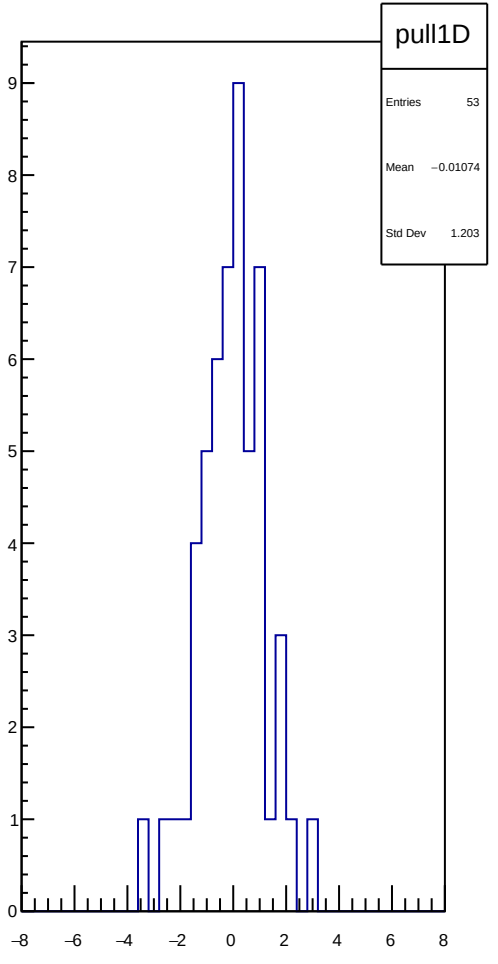

asym_sam5_rms vs run
χ² / ndf 6580 / 52
p0 1769 ± 1.711
2100
2000
1900
1800
1700
1600
1500
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

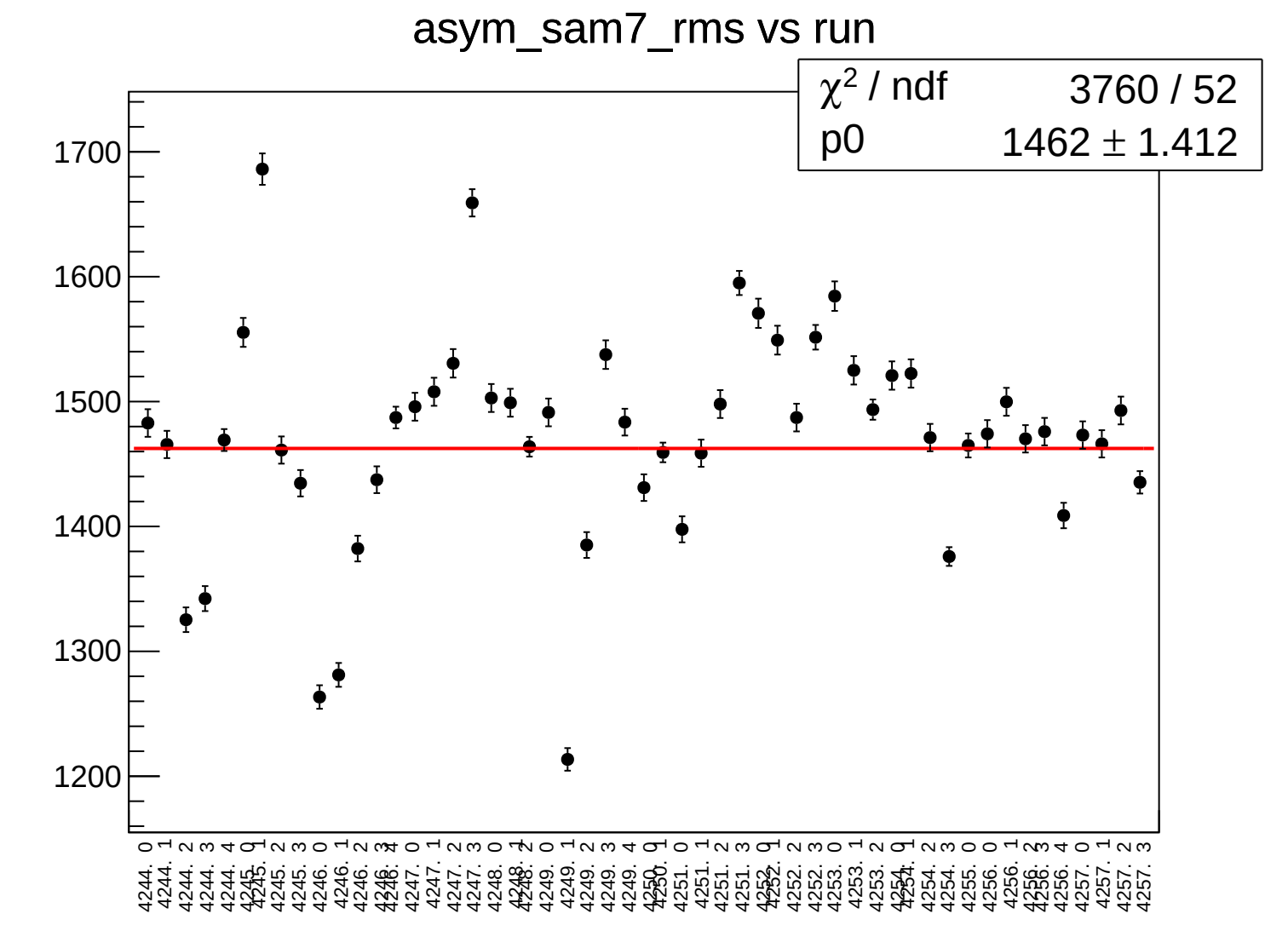

asym_sam6_mean vs run
χ^2 / ndf 62.27 / 52
p0 −1523 ± 3589
×10^3
pull
Entries 53
Mean −116.4
Std Dev 126.2

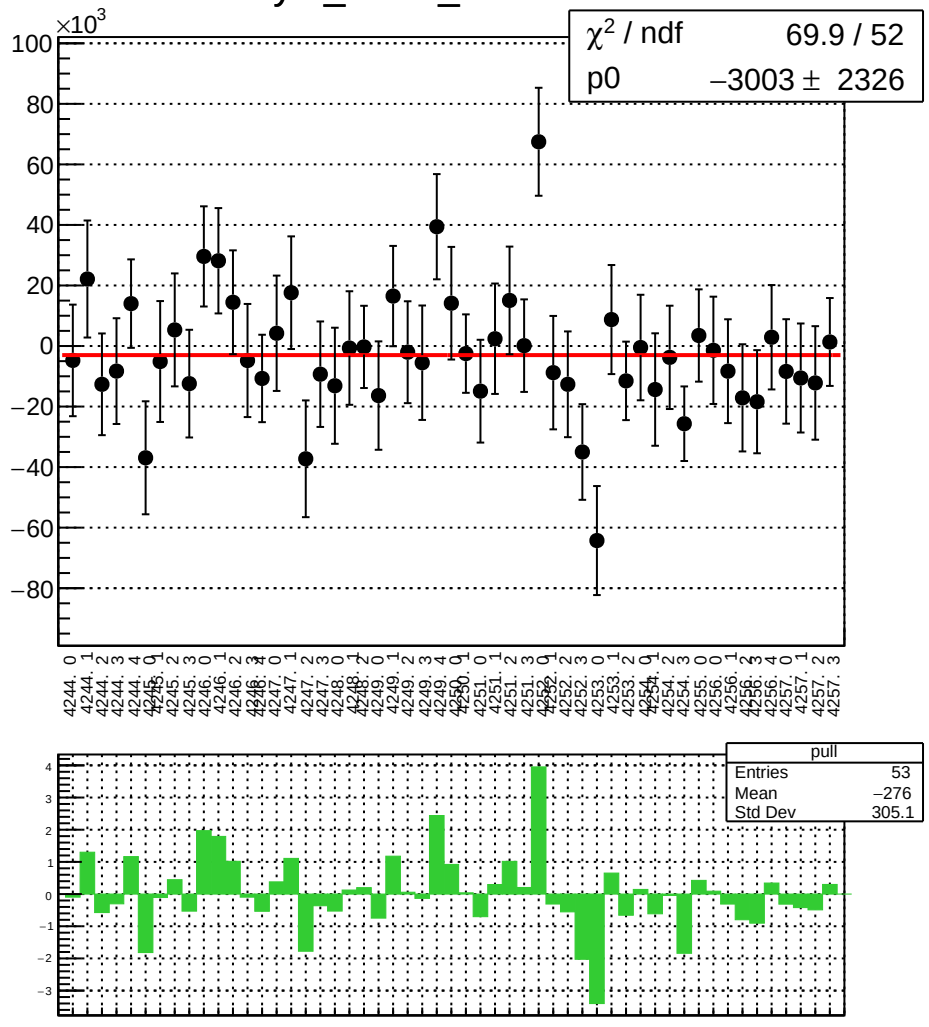

pull1D
Entries 53
Mean −0.01077
Std Dev 1.084

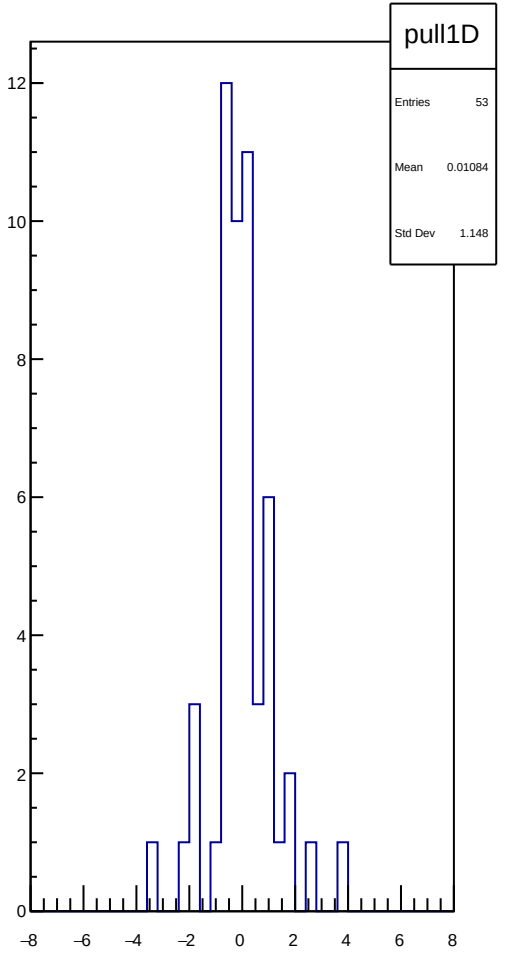

asym_sam6_rms vs run
χ² / ndf 1762 / 52
p0 2631 ± 2.538
3000
2900
2800
2700
2600
2500
2400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

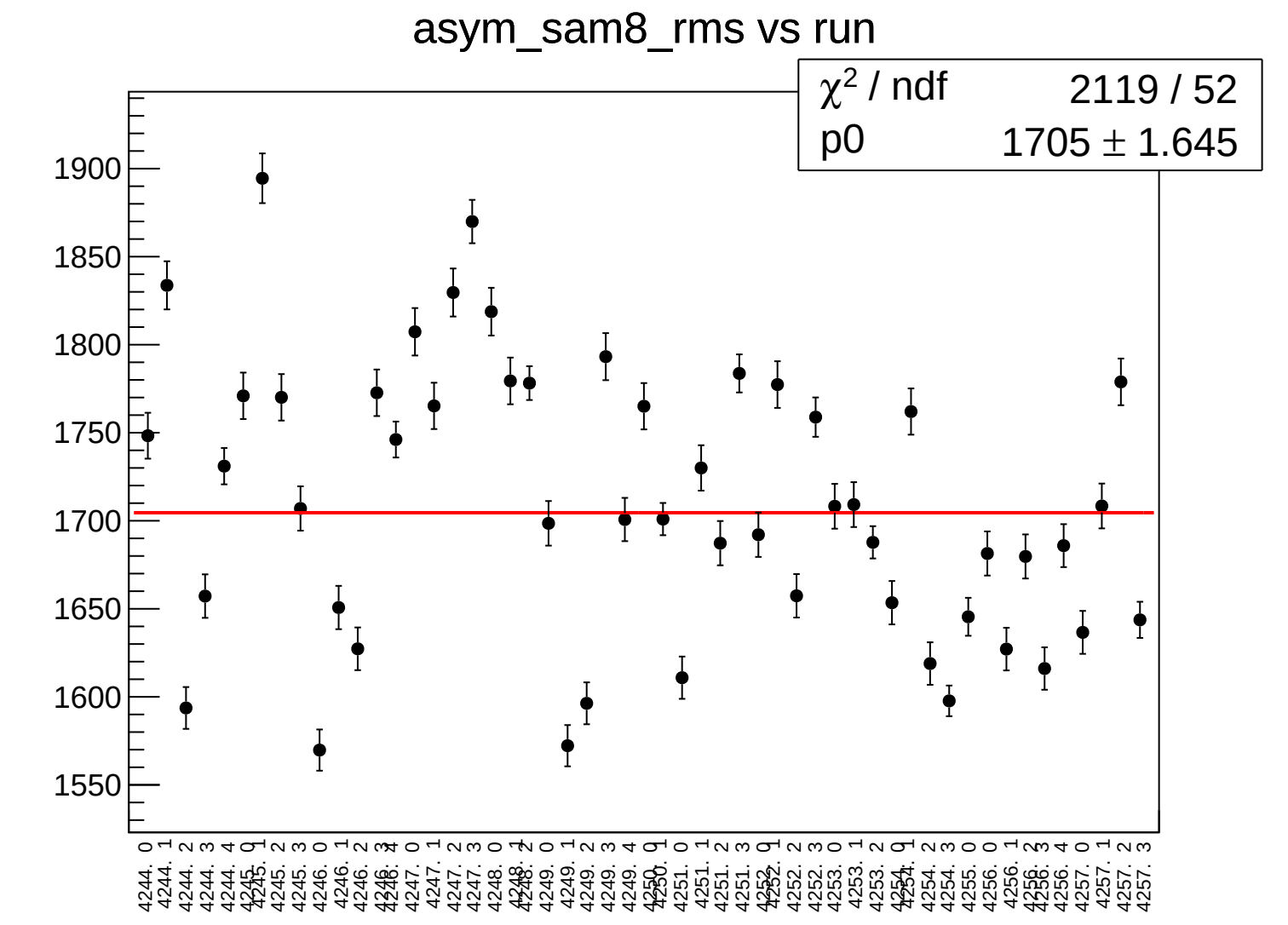

asym_sam7_mean vs run
χ² / ndf 76.73 / 52
p0 −2029 ± 1997
pull
Entries 53
Mean 125.5
Std Dev 72.79

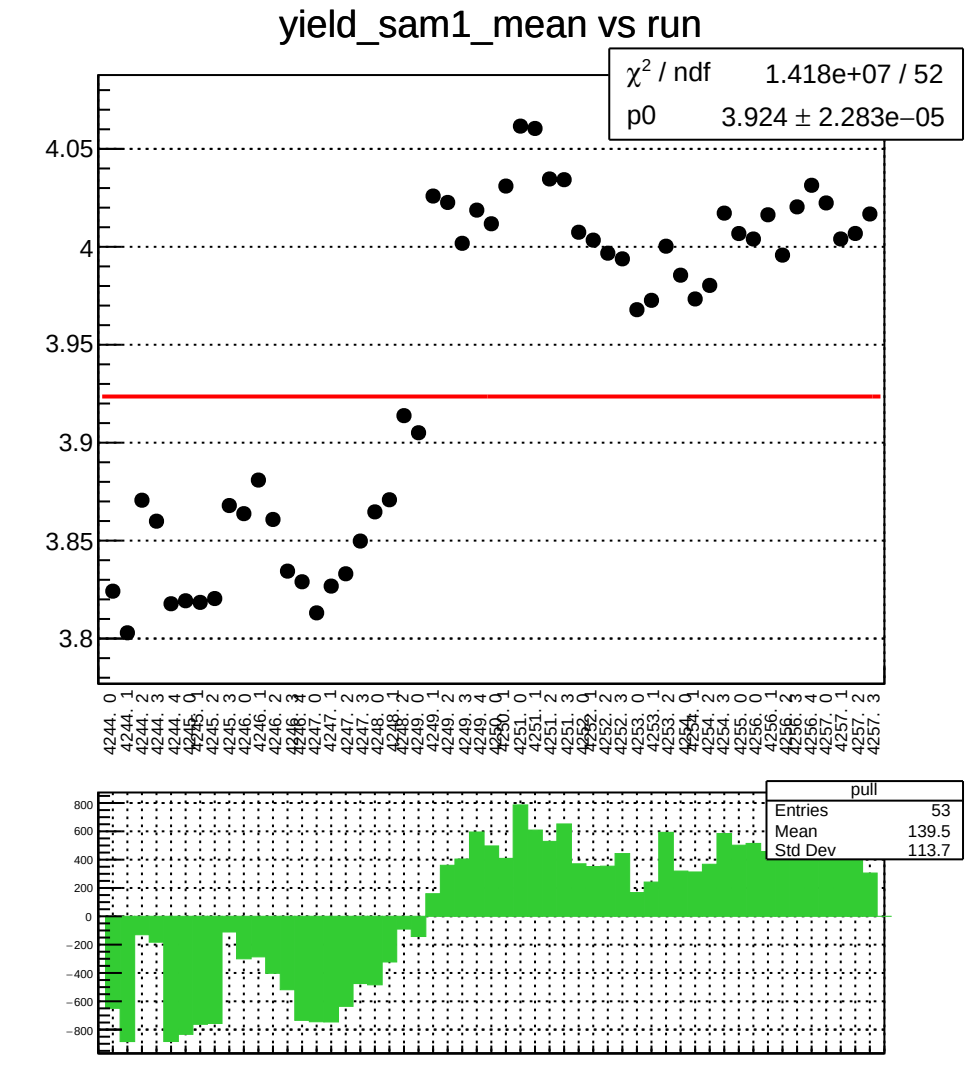

pull1D
Entries 53
Mean −0.01074
Std Dev 1.203

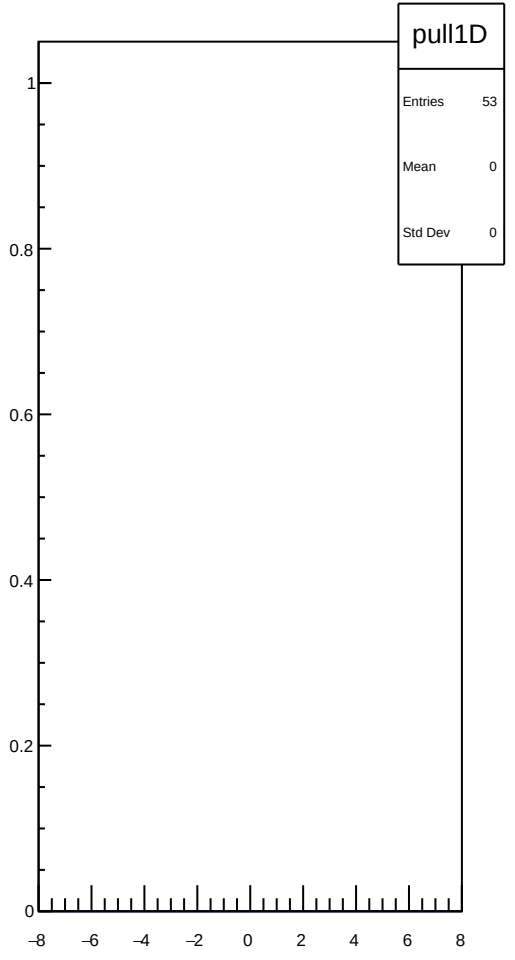

asym_sam7_rms vs run
χ² / ndf 3760 / 52
p0 1462 ± 1.412
1700
1600
1500
1400
1300
1200
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

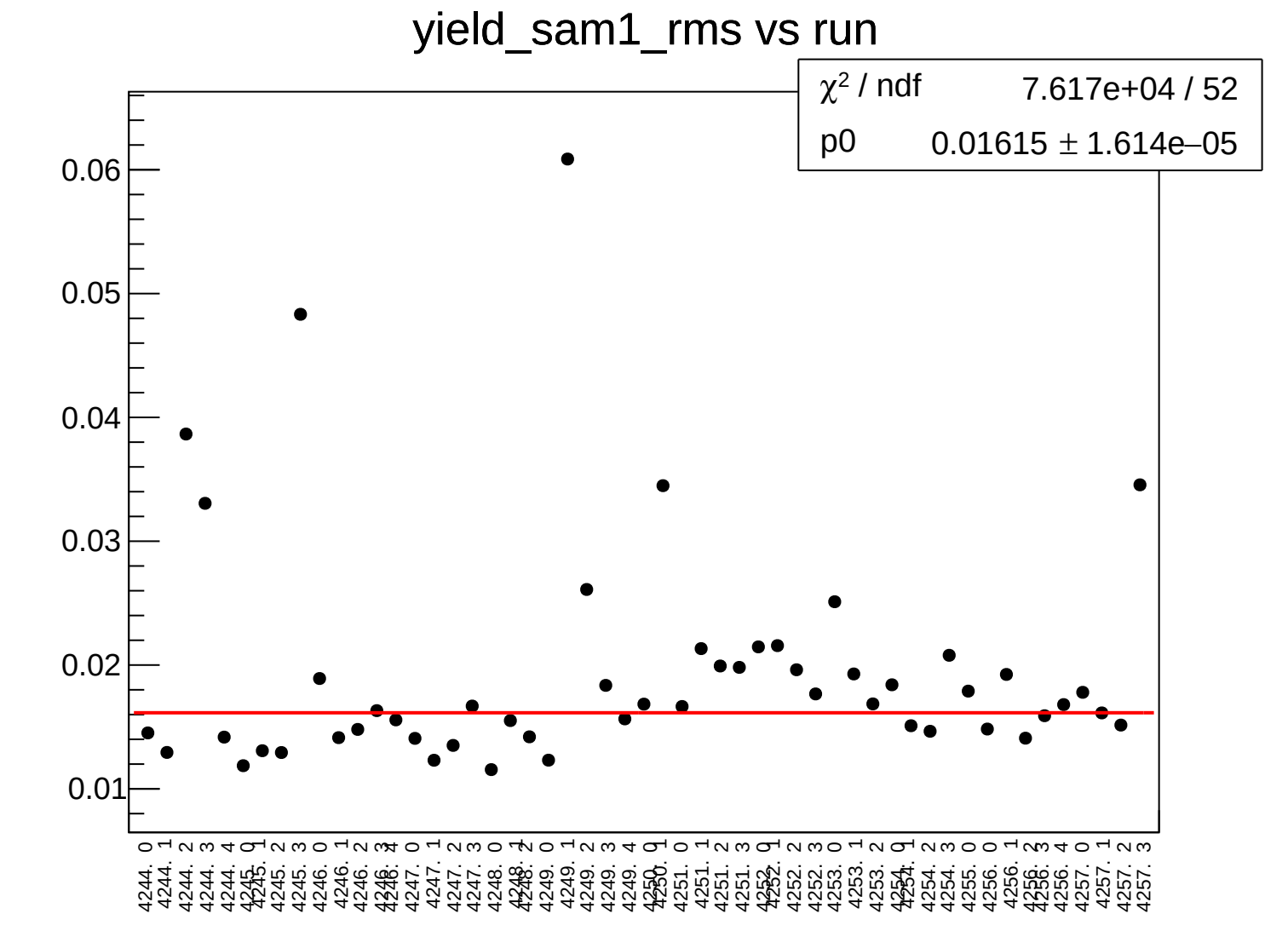

asym_sam8_mean vs run
χ^2 / ndf 69.9 / 52
p0 −3003 ± 2326
×10^3
pull
Entries 53
Mean −276
Std Dev 305.1

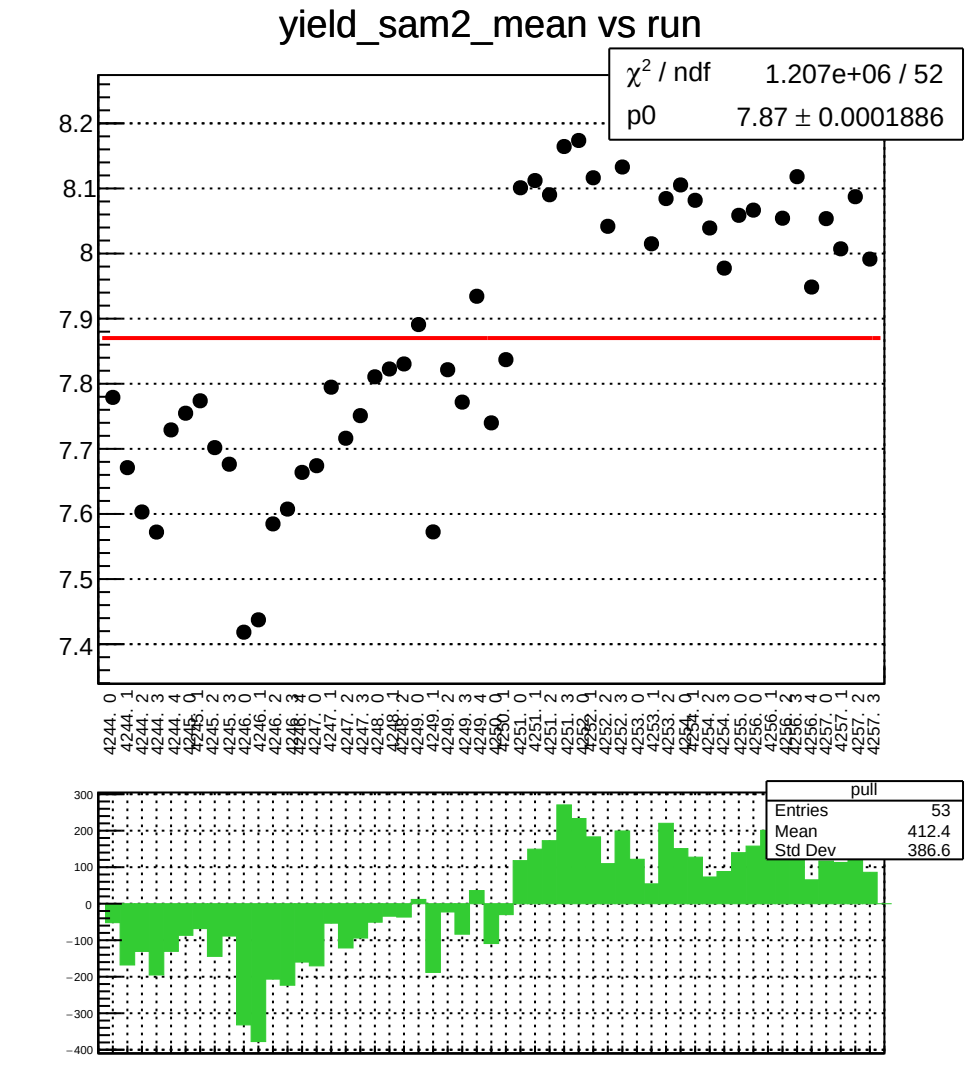

pull1D
Entries 53
Mean 0.01084
Std Dev 1.148

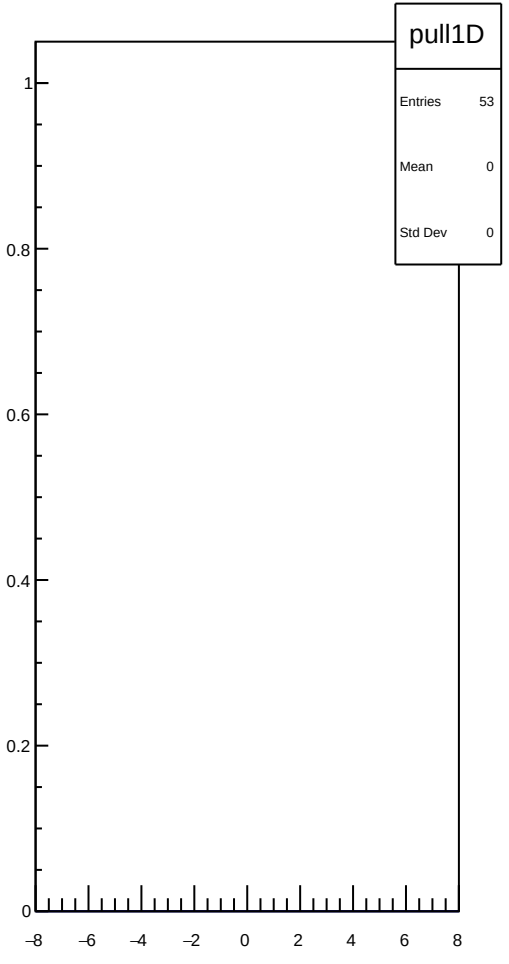

asym_sam8_rms vs run
χ^2 / ndf 2119 / 52
p0 1705 ± 1.645
1900
1850
1800
1750
1700
1650
1600
1550
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

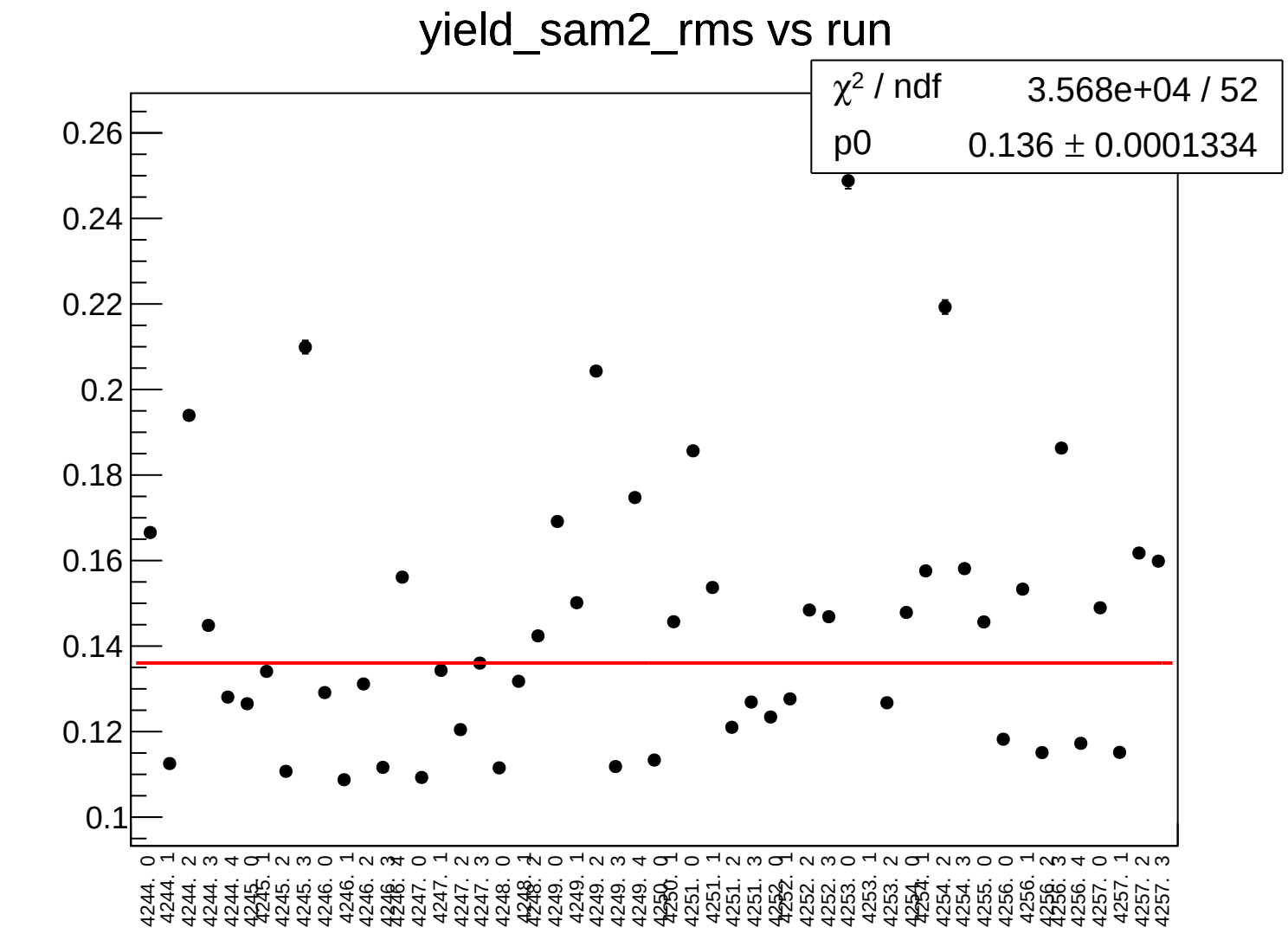

yield_sam1_mean vs run
χ² / ndf 1.418e+07 / 52
p0 3.924 ± 2.283e−05
4.05
4
3.95
3.9
3.85
3.8
pull
Entries 53
Mean 139.5
Std Dev 113.7
800
600
400
200
0
−200
−400
−600
−800

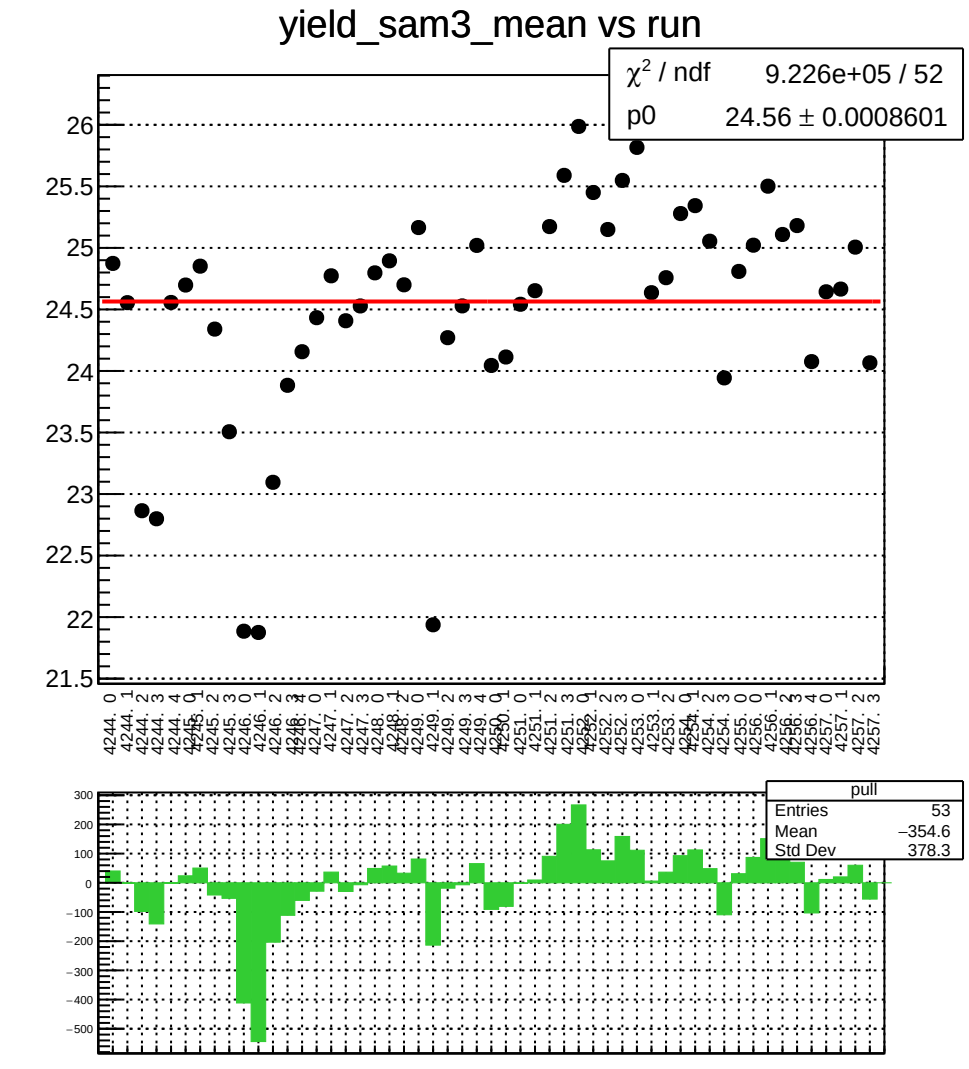

pull1D
Entries 53
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

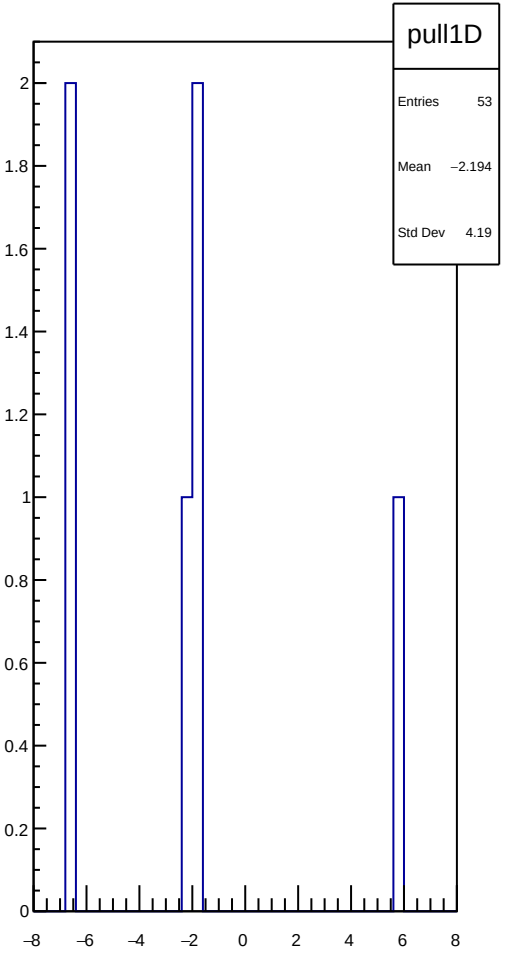

yield_sam1_rms vs run
χ² / ndf 7.617e+04 / 52
p0 0.01615 ± 1.614e−05
0.06
0.05
0.04
0.03
0.02
0.01
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

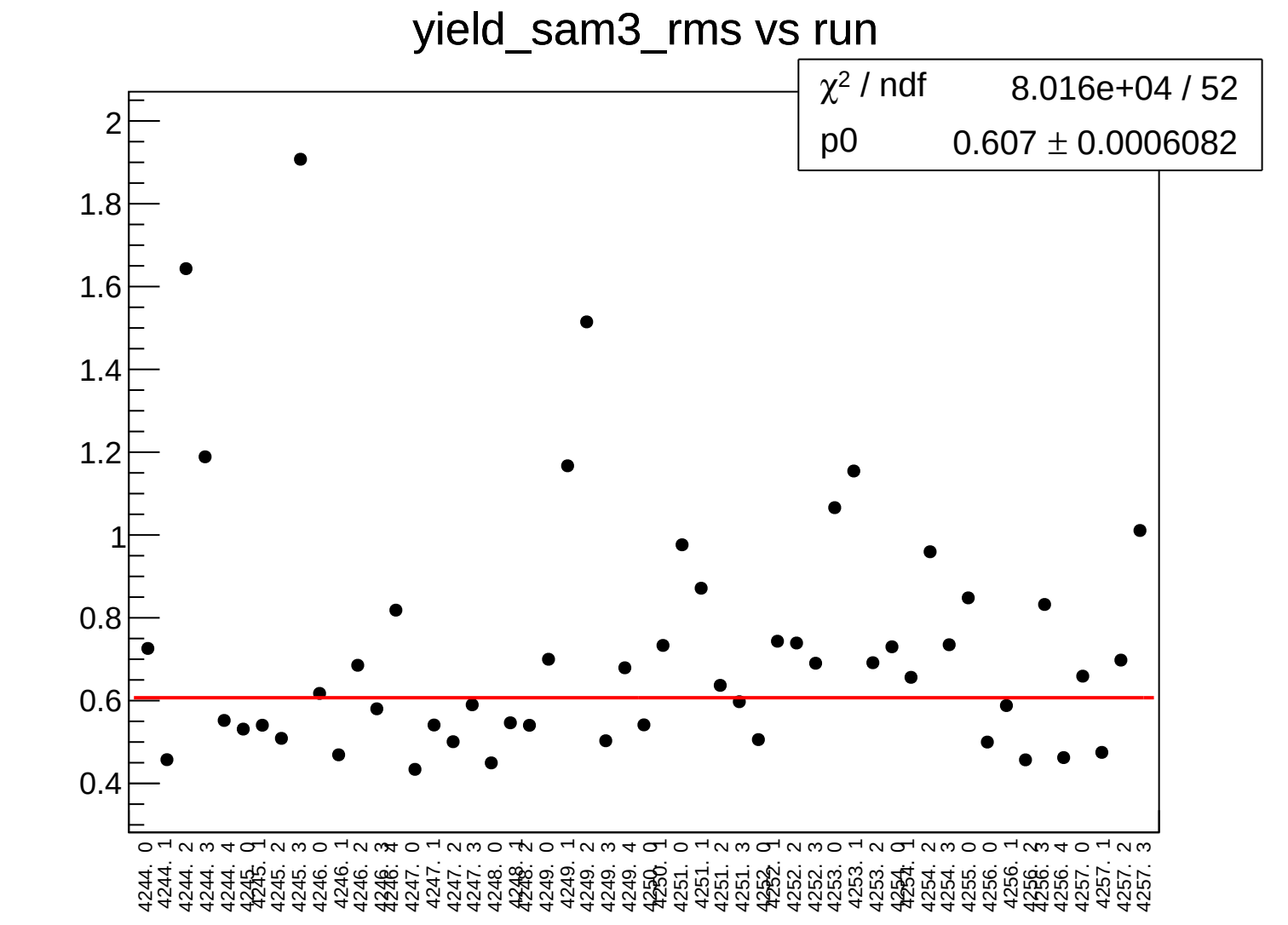

yield_sam2_mean vs run
χ² / ndf 1.207e+06 / 52
p0 7.87 ± 0.0001886
pull
Entries 53
Mean 412.4
Std Dev 386.6

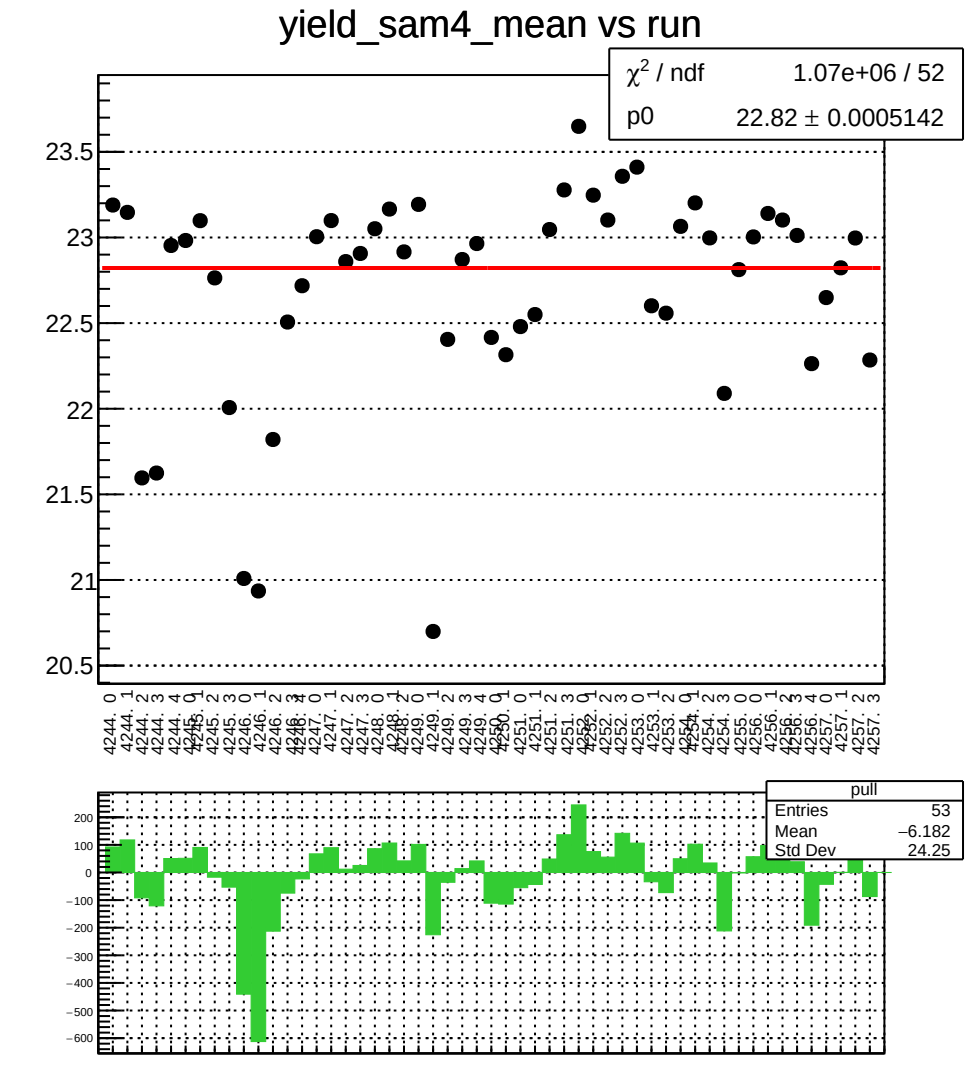

pull1D
Entries 53
Mean 0
Std Dev 0

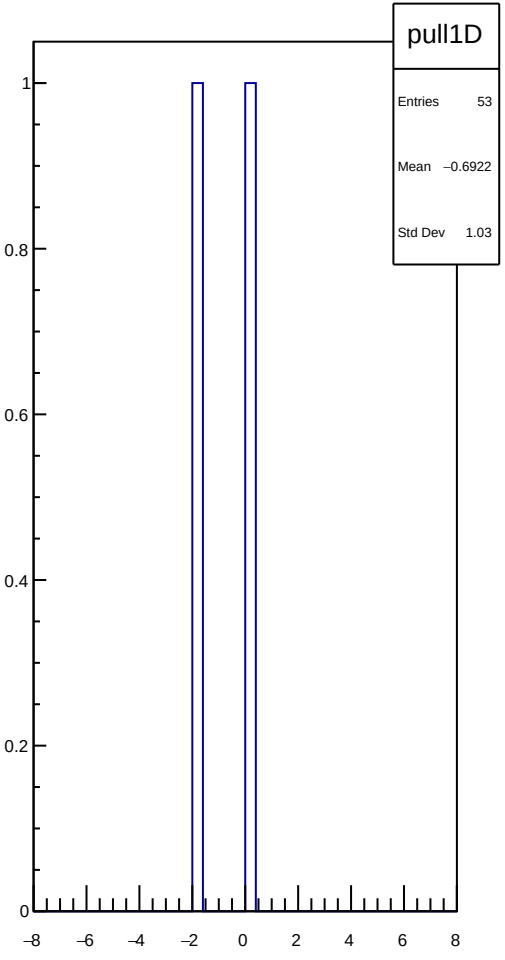

yield_sam2_rms vs run
χ² / ndf 3.568e+04 / 52
p0 0.136 ± 0.0001334
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

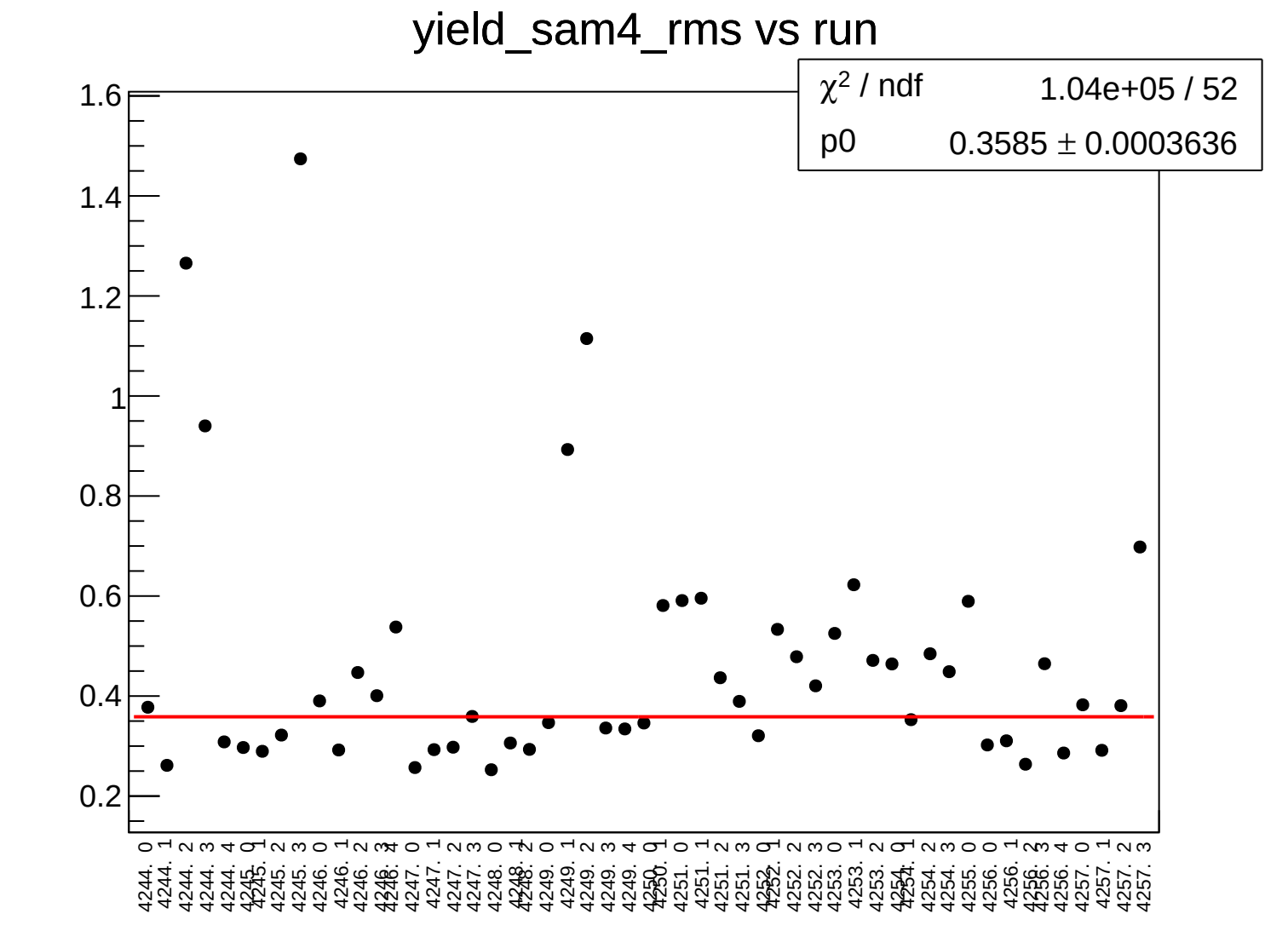

yield_sam3_mean vs run
χ² / ndf 9.226e+05 / 52
p0 24.56 ± 0.0008601
pull
Entries 53
Mean −354.6
Std Dev 378.3


pull1D
Entries 53
Mean −2.194
Std Dev 4.19


yield_sam3_rms vs run
χ² / ndf 8.016e+04 / 52
p0 0.607 ± 0.0006082
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


yield_sam4_mean vs run
χ² / ndf 1.07e+06 / 52
p0 22.82 ± 0.0005142
23.5
23
22.5
22
21.5
21
20.5
pull
Entries 53
Mean −6.182
Std Dev 24.25
200
100
0
−100
−200
−300
−400
−500
−600


pull1D
Entries 53
Mean −0.6922
Std Dev 1.03
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 1.04e+05 / 52
p0 0.3585 ± 0.0003636
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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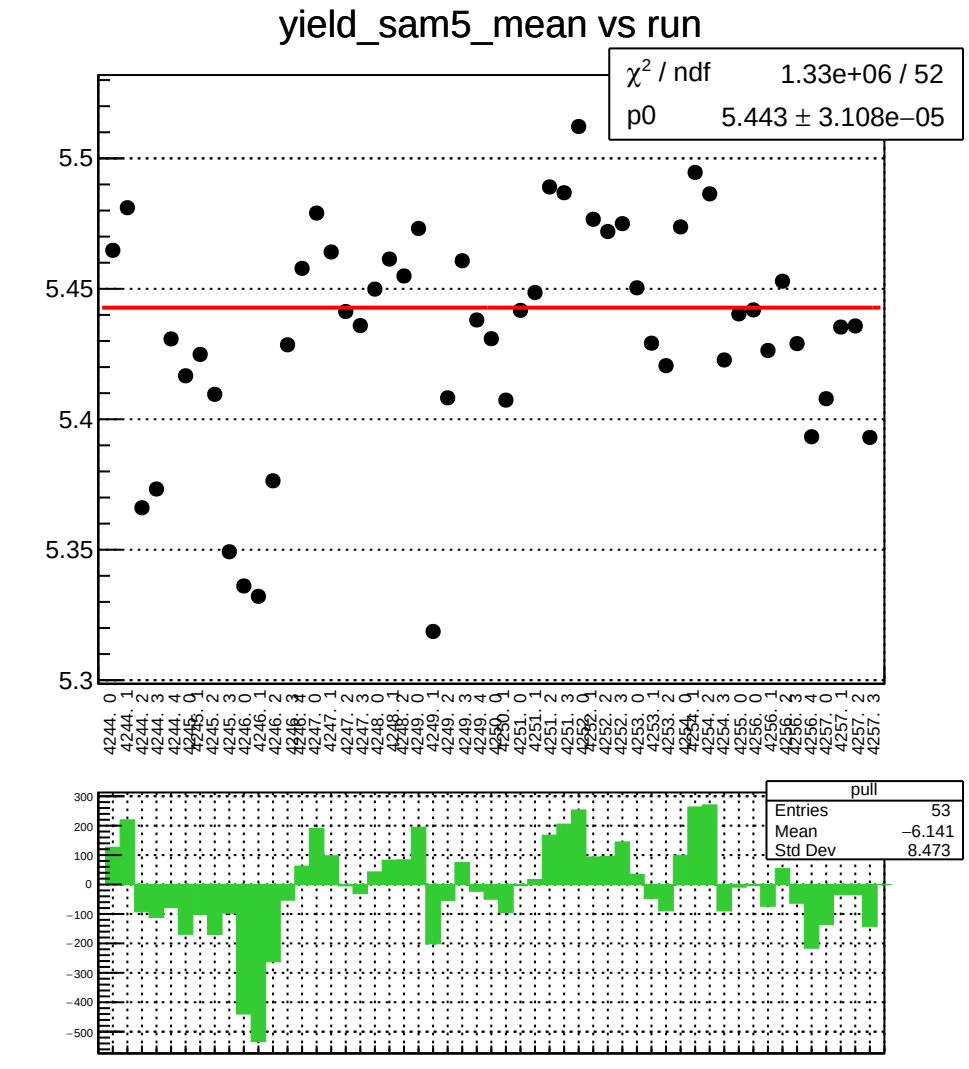
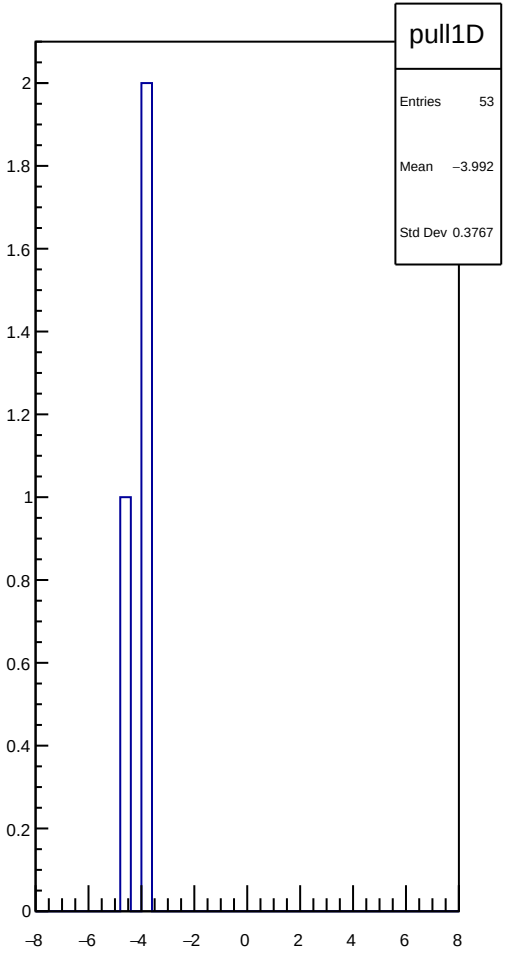
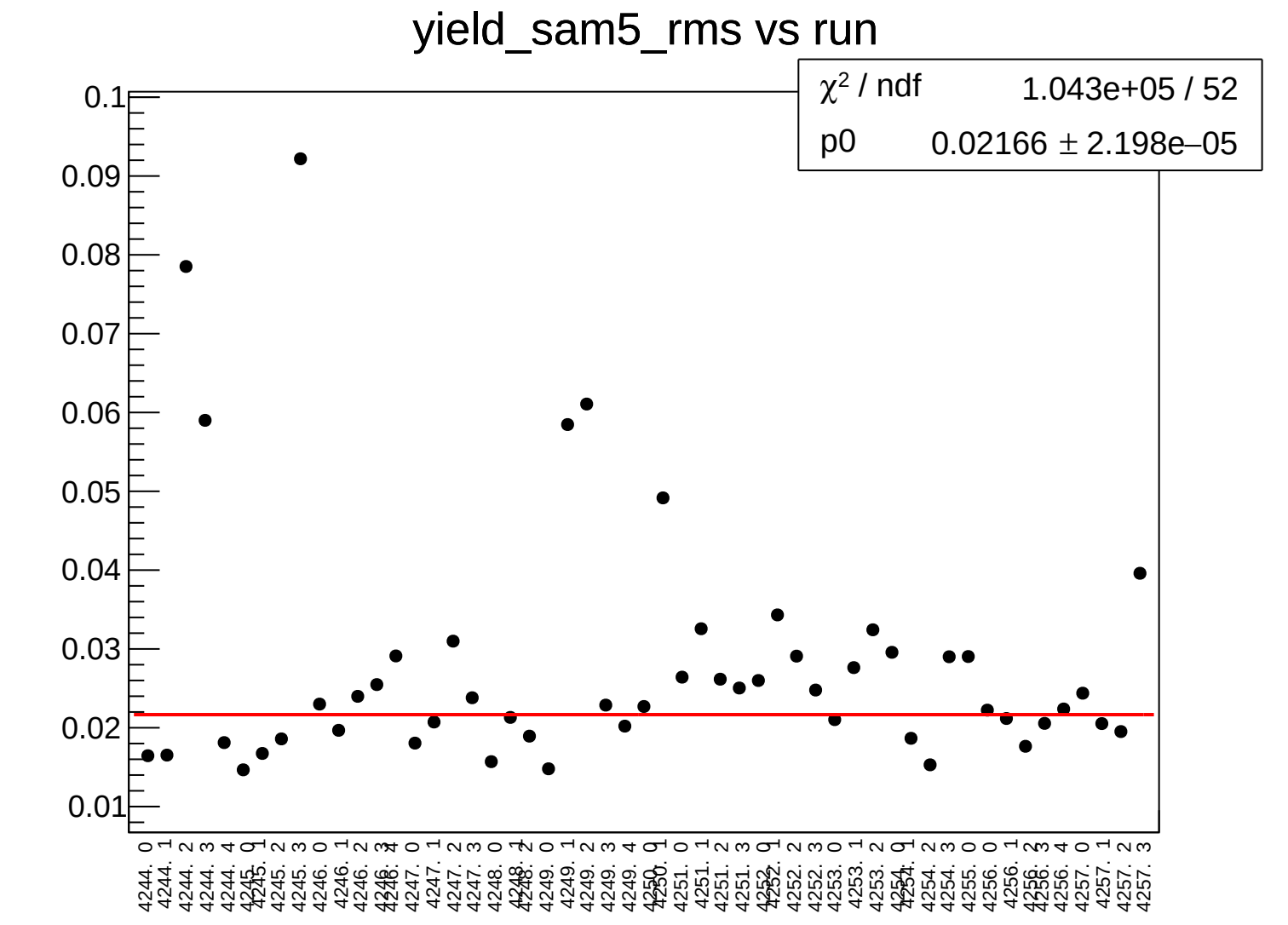
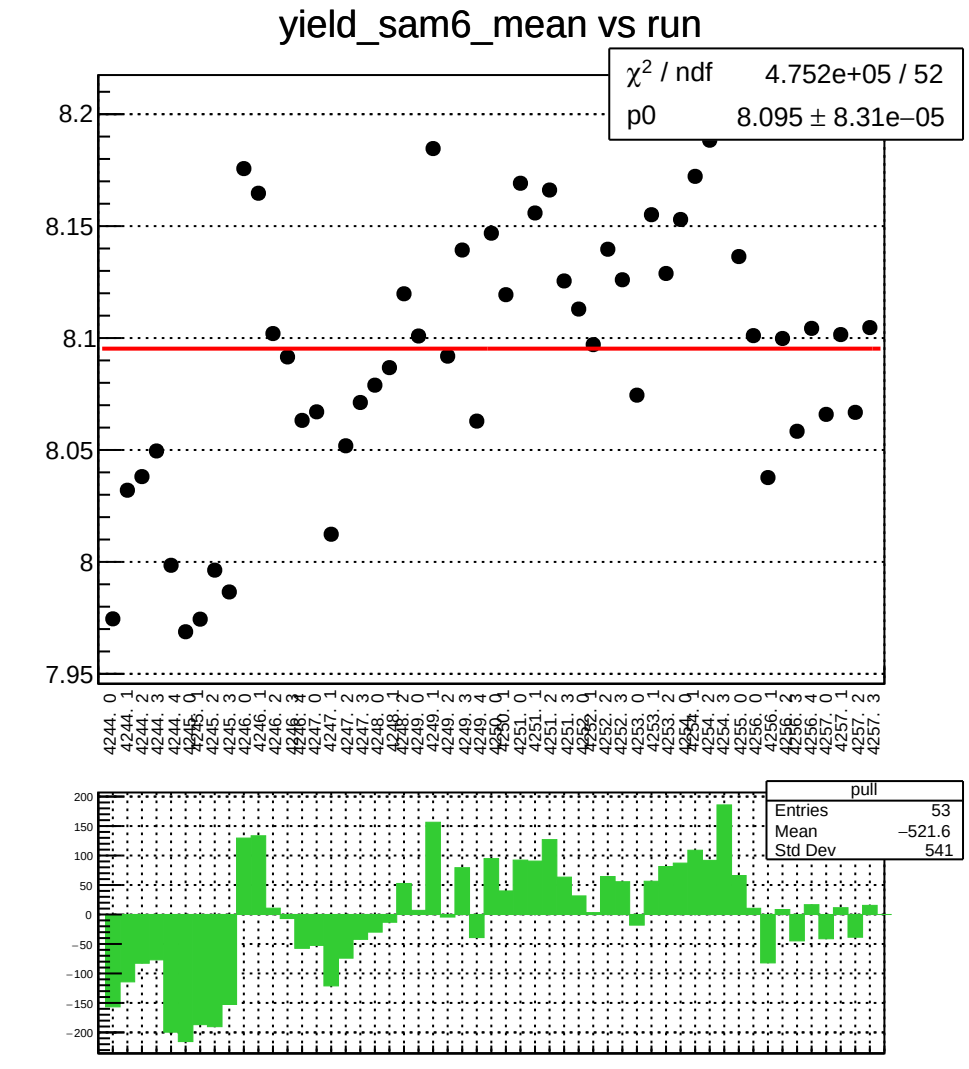
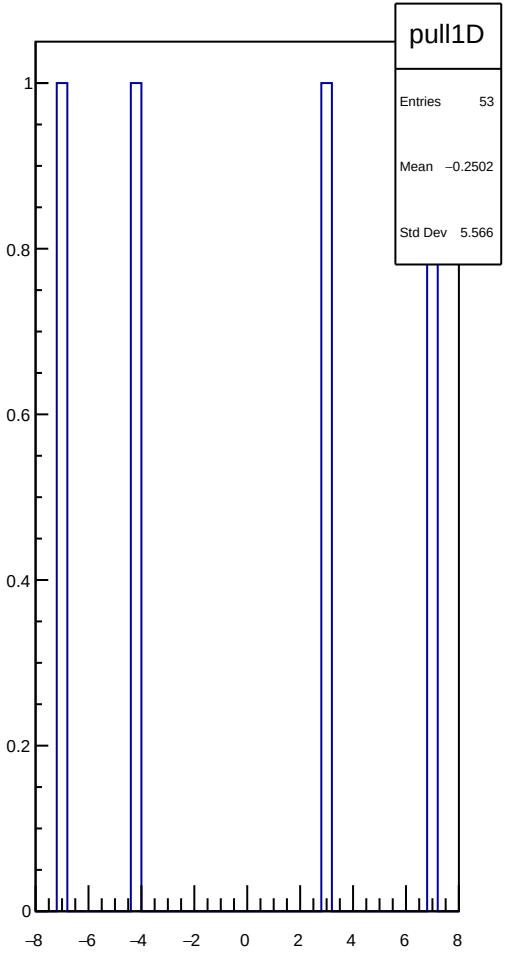
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

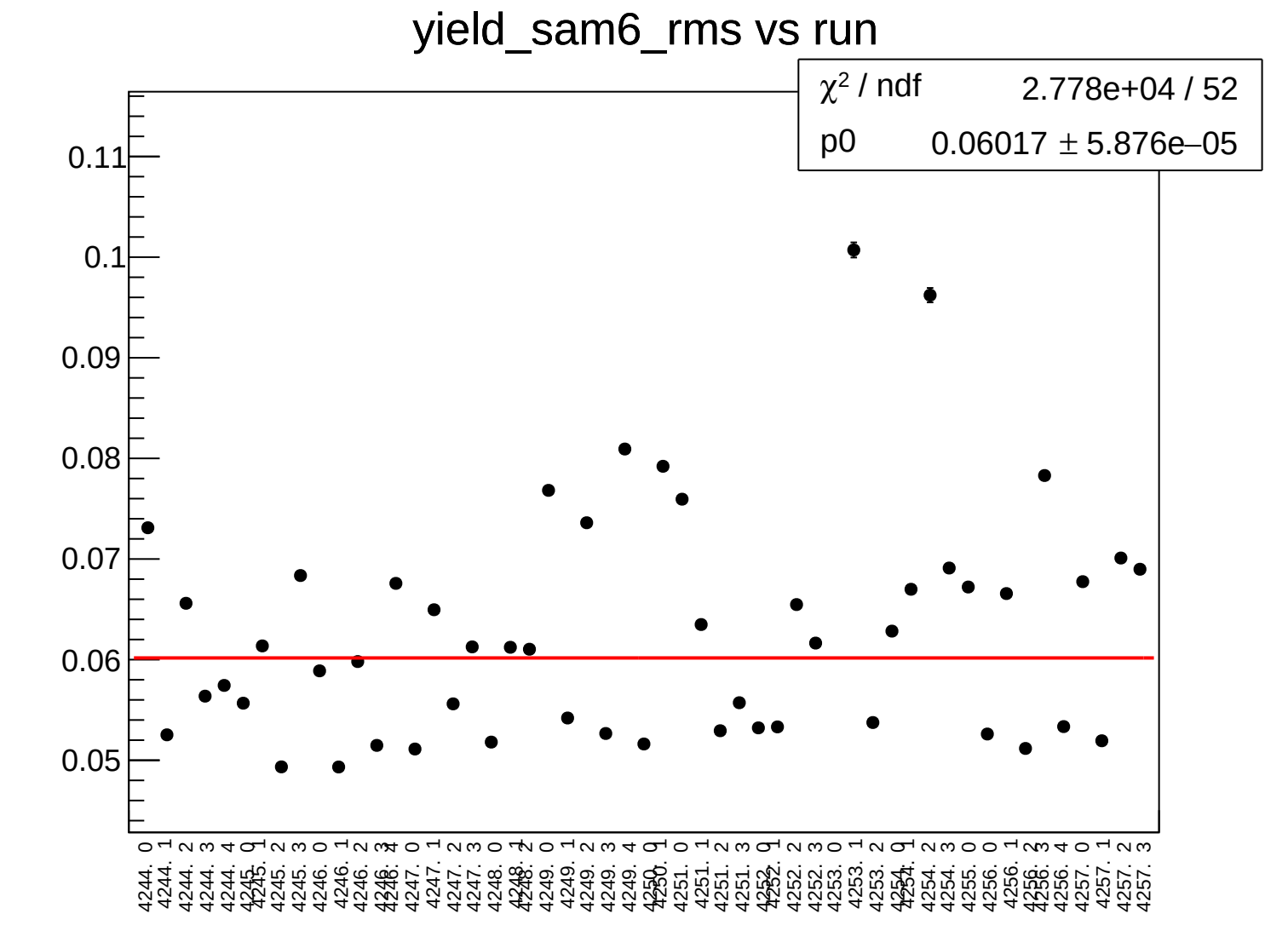

yield_sam5_mean vs run
χ² / ndf 1.33e+06 / 52
p0 5.443 ± 3.108e−05
5.5
5.45
5.4
5.35
5.3
pull
Entries 53
Mean −6.141
Std Dev 8.473
300
200
100
0
−100
−200
−300
−400
−500

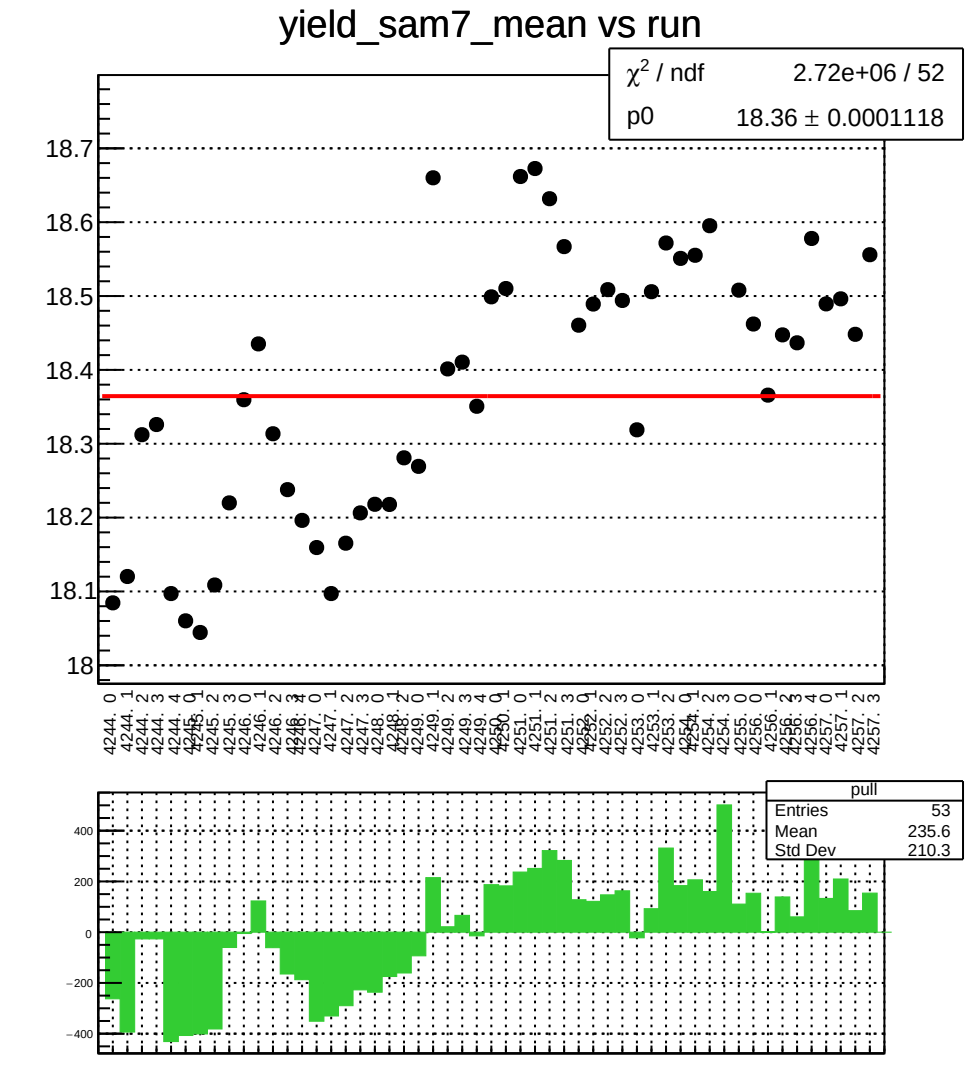

pull1D
Entries 53
Mean −3.992
Std Dev 0.3767
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

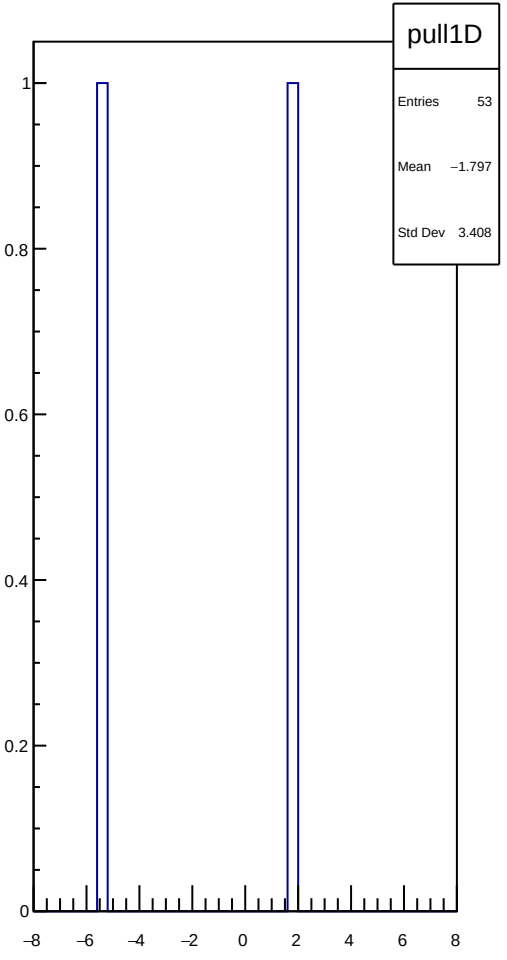

yield_sam5_rms vs run
χ² / ndf 1.043e+05 / 52
p0 0.02166 ± 2.198e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

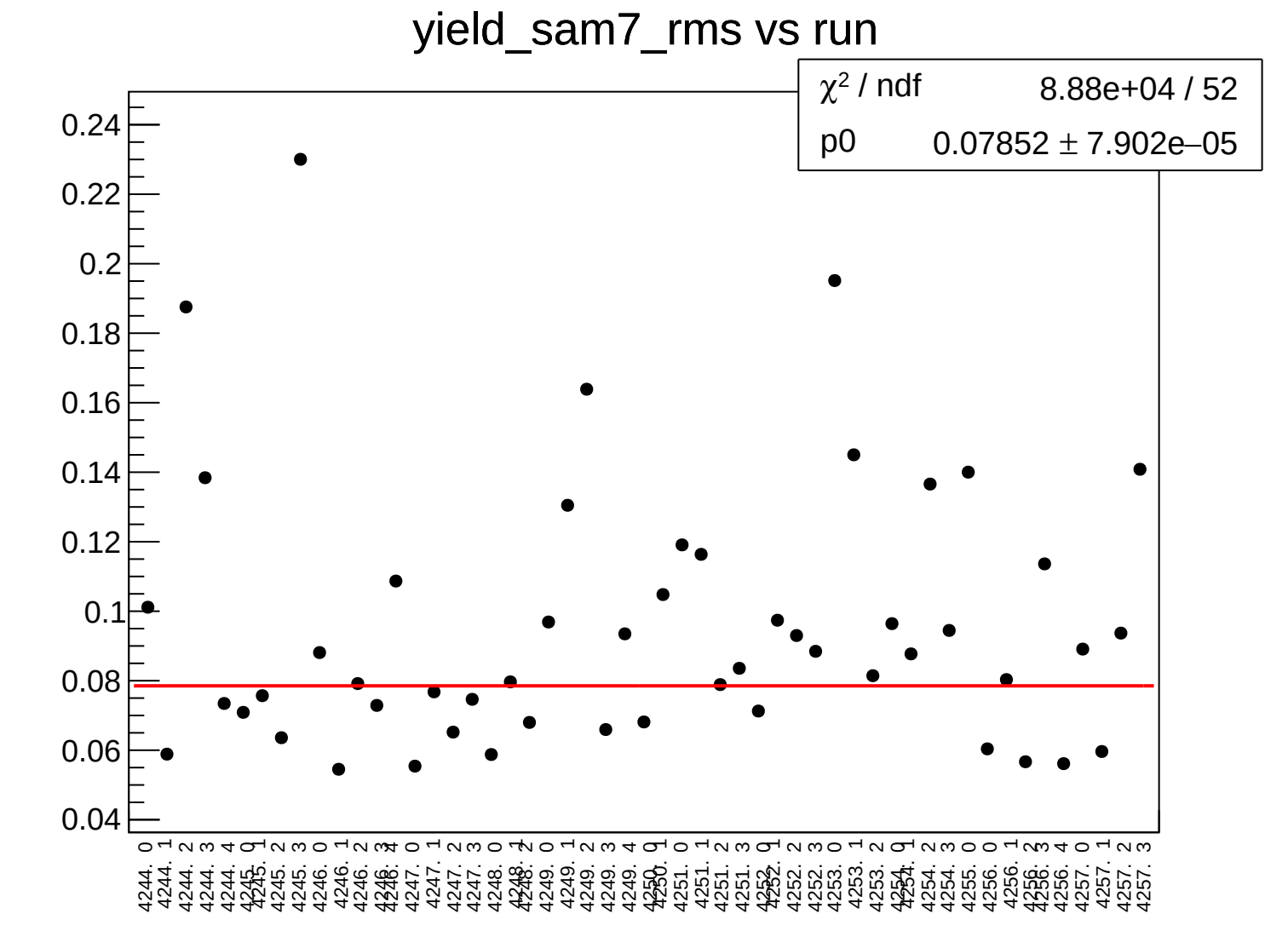

yield_sam6_mean vs run
χ² / ndf 4.752e+05 / 52
p0 8.095 ± 8.31e−05
8.2
8.15
8.1
8.05
8
7.95
pull
Entries 53
Mean −521.6
Std Dev 541
200
150
100
50
0
−50
−100
−150
−200

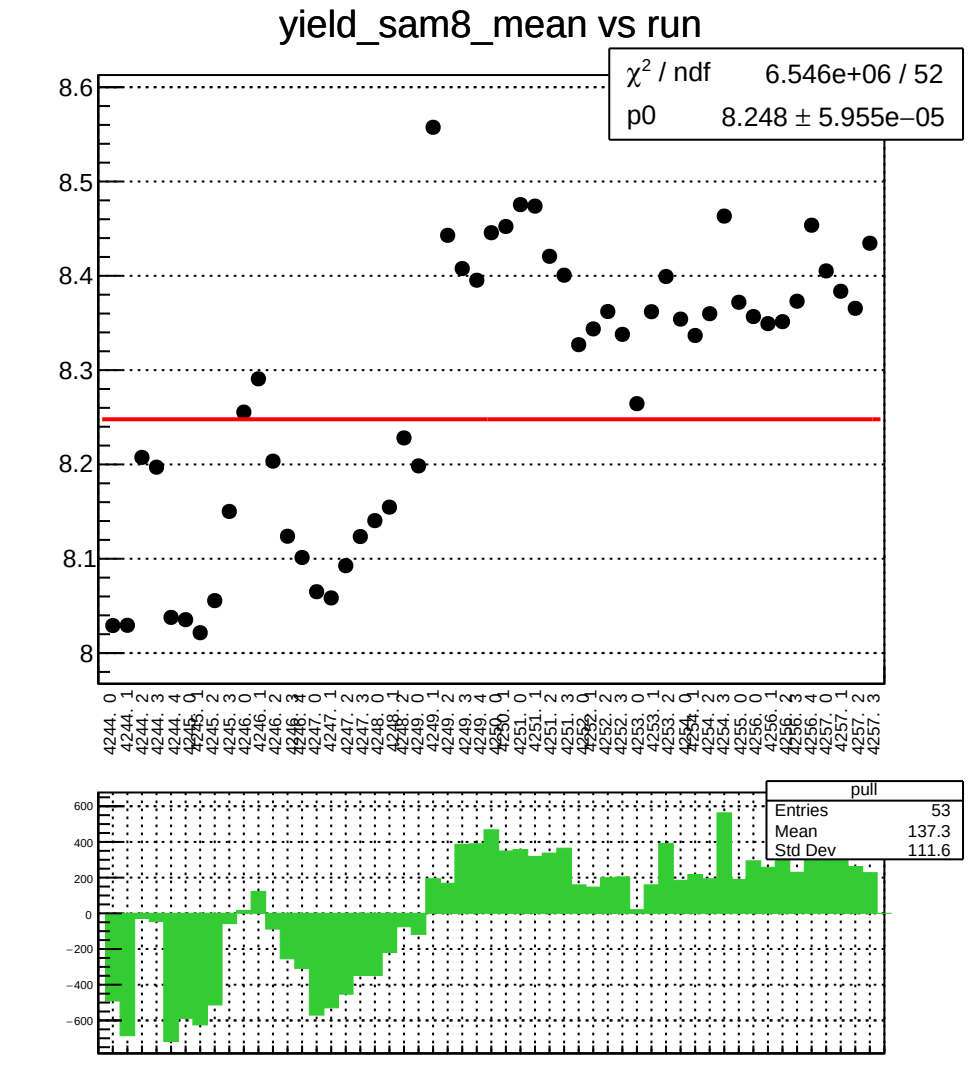

pull1D
Entries 53
Mean −0.2502
Std Dev 5.566
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

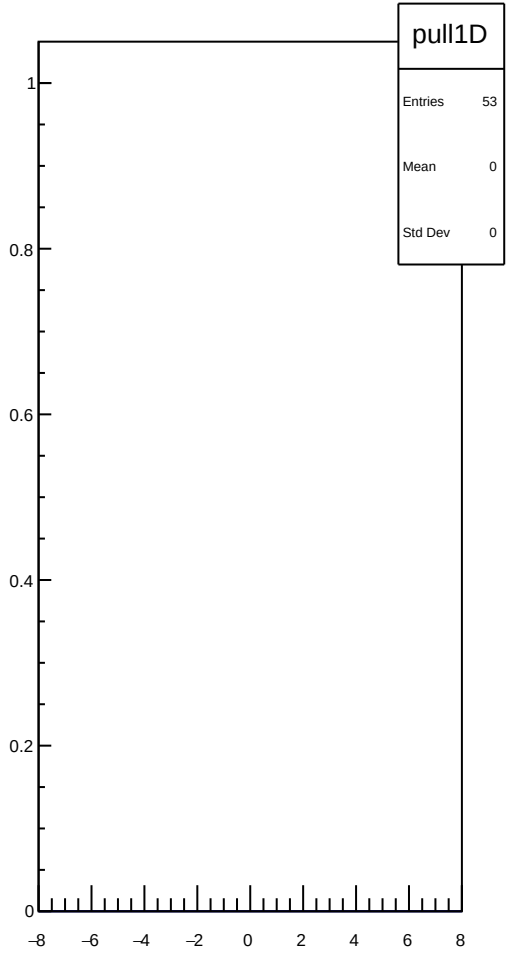

yield_sam6_rms vs run
χ² / ndf 2.778e+04 / 52
p0 0.06017 ± 5.876e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

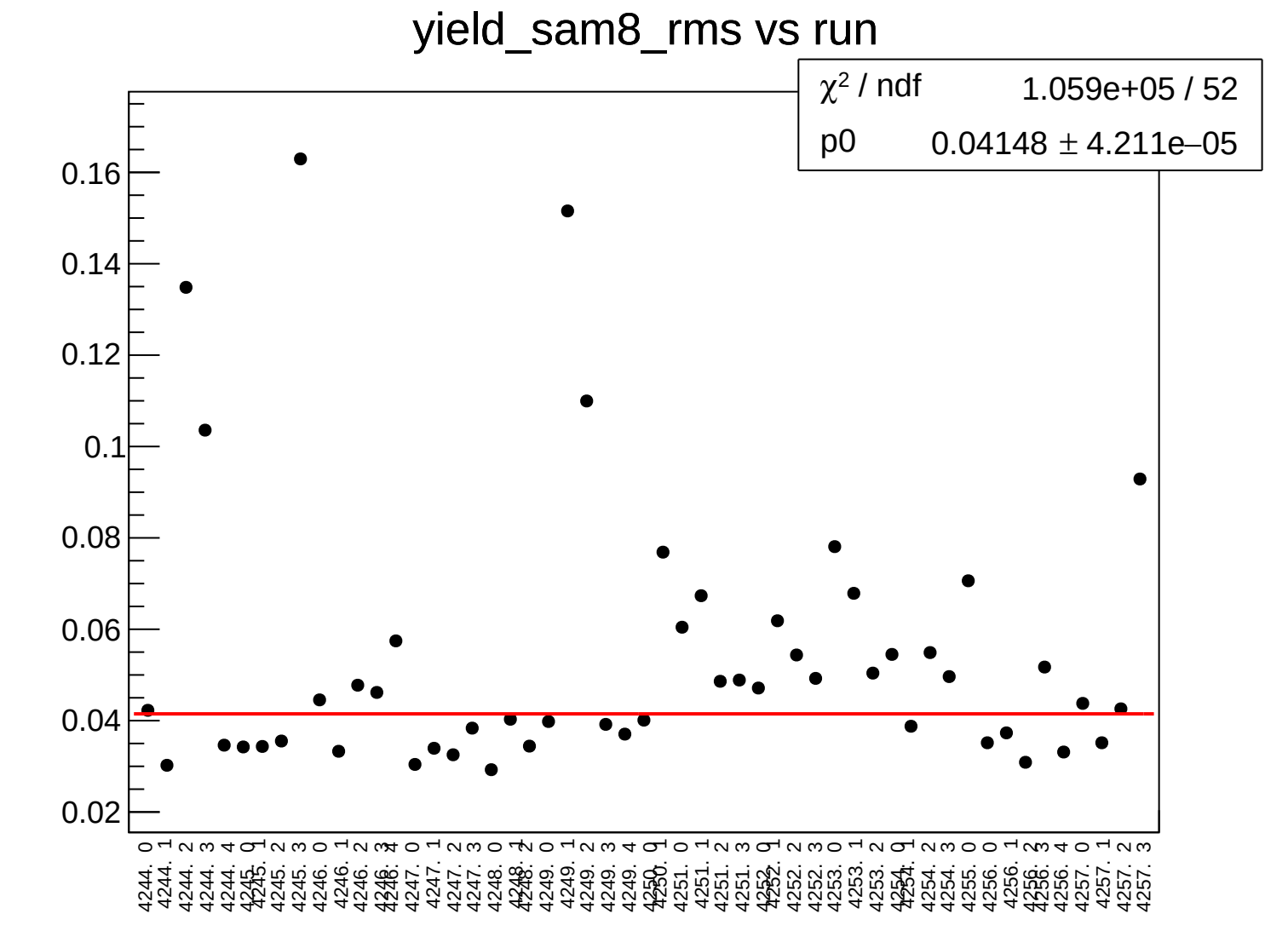

yield_sam7_mean vs run
χ² / ndf 2.72e+06 / 52
p0 18.36 ± 0.0001118
18.7
18.6
18.5
18.4
18.3
18.2
18.1
18
pull
Entries 53
Mean 235.6
Std Dev 210.3
400
200
0
−200
−400

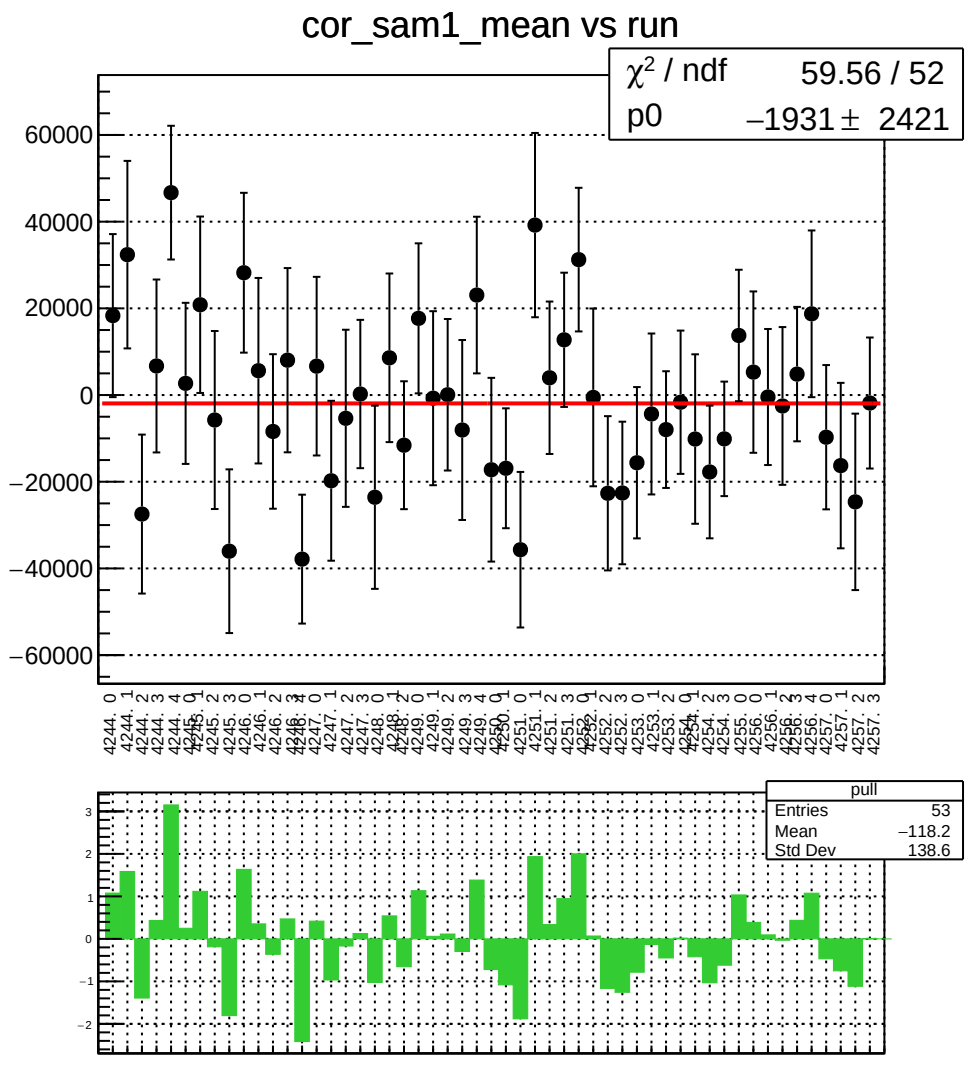

pull1D
Entries 53
Mean −1.797
Std Dev 3.408
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

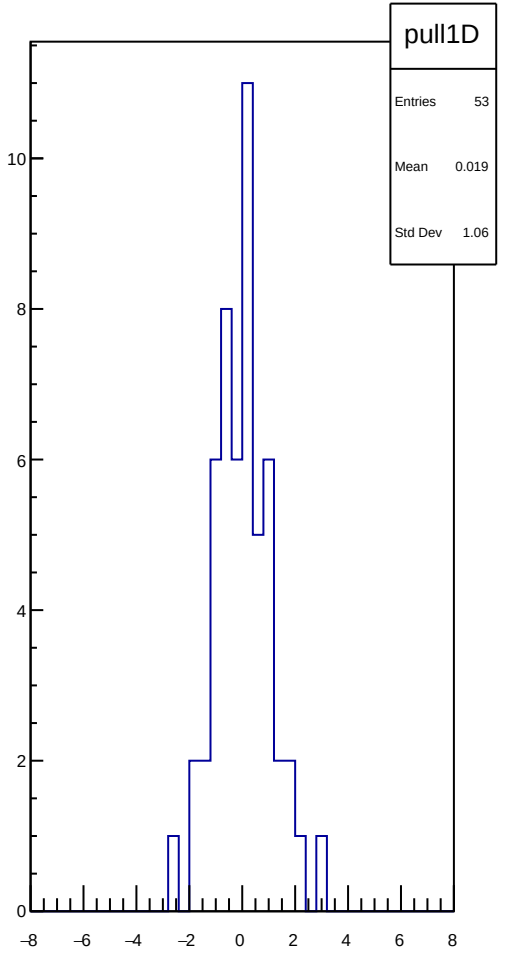

yield_sam7_rms vs run
χ² / ndf 8.88e+04 / 52
p0 0.07852 ± 7.902e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

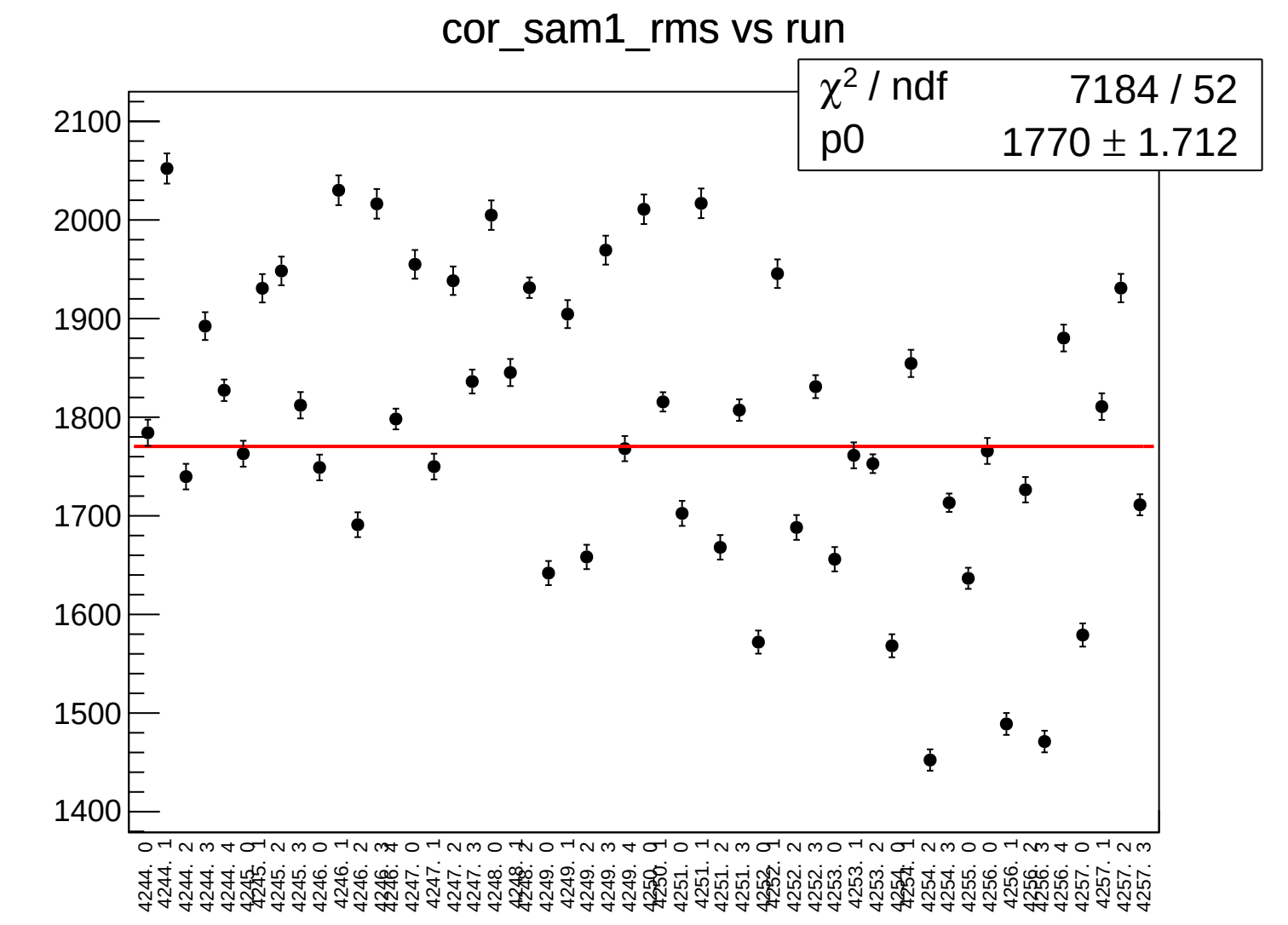

yield_sam8_mean vs run
χ² / ndf 6.546e+06 / 52
p0 8.248 ± 5.955e−05
pull
Entries 53
Mean 137.3
Std Dev 111.6

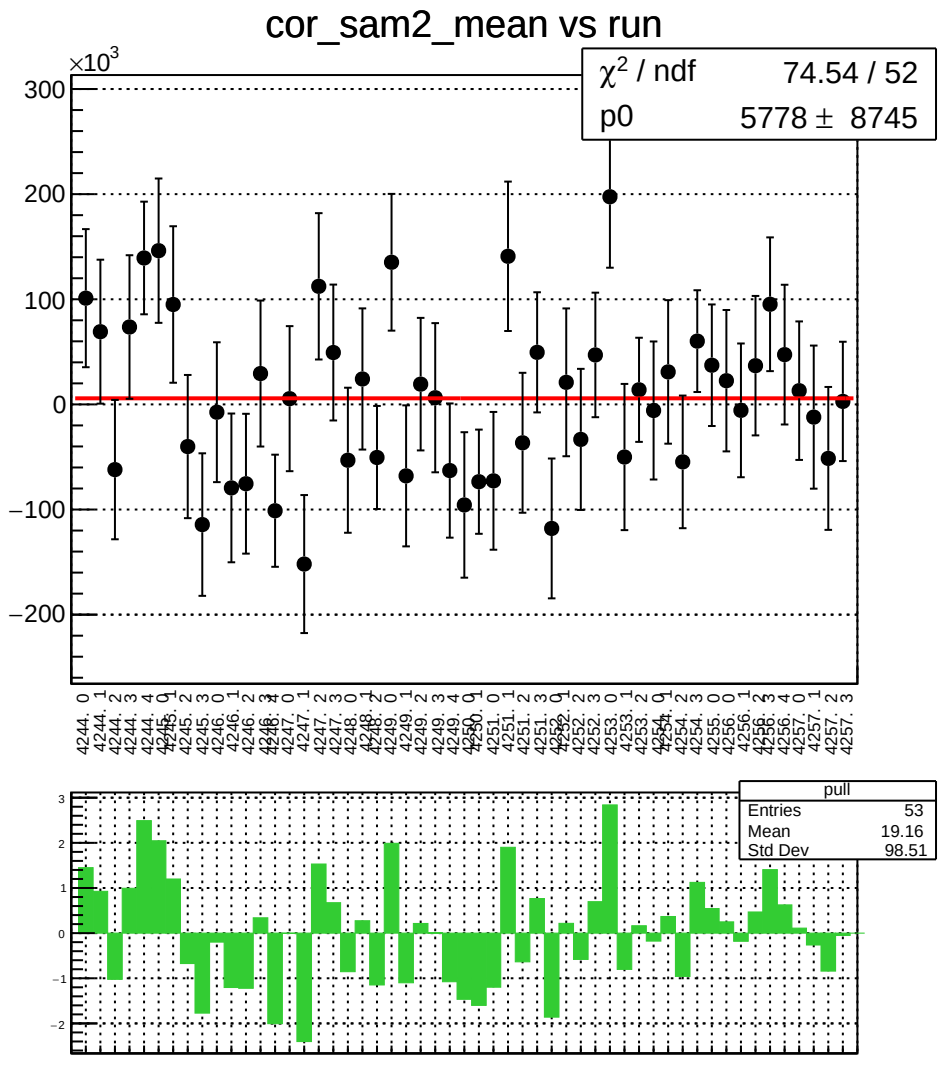

pull1D
Entries 53
Mean 0
Std Dev 0

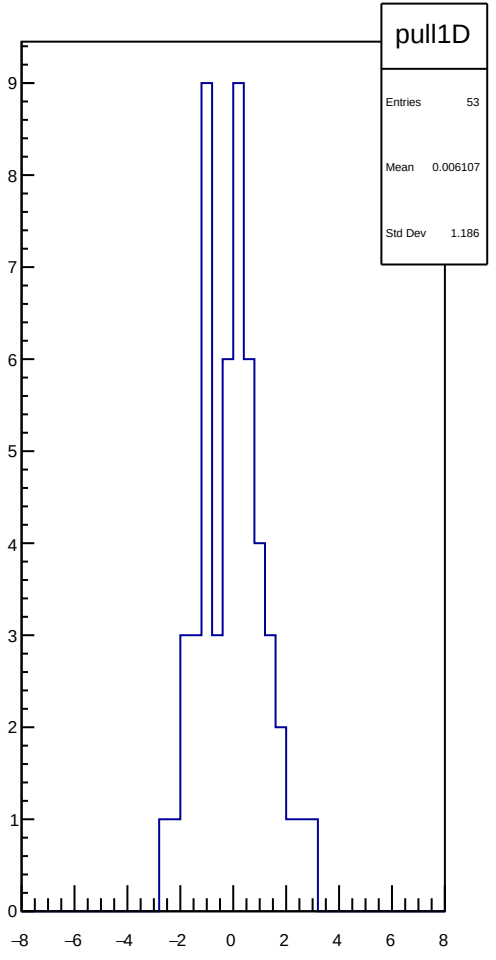

yield_sam8_rms vs run
χ² / ndf 1.059e+05 / 52
p0 0.04148 ± 4.211e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

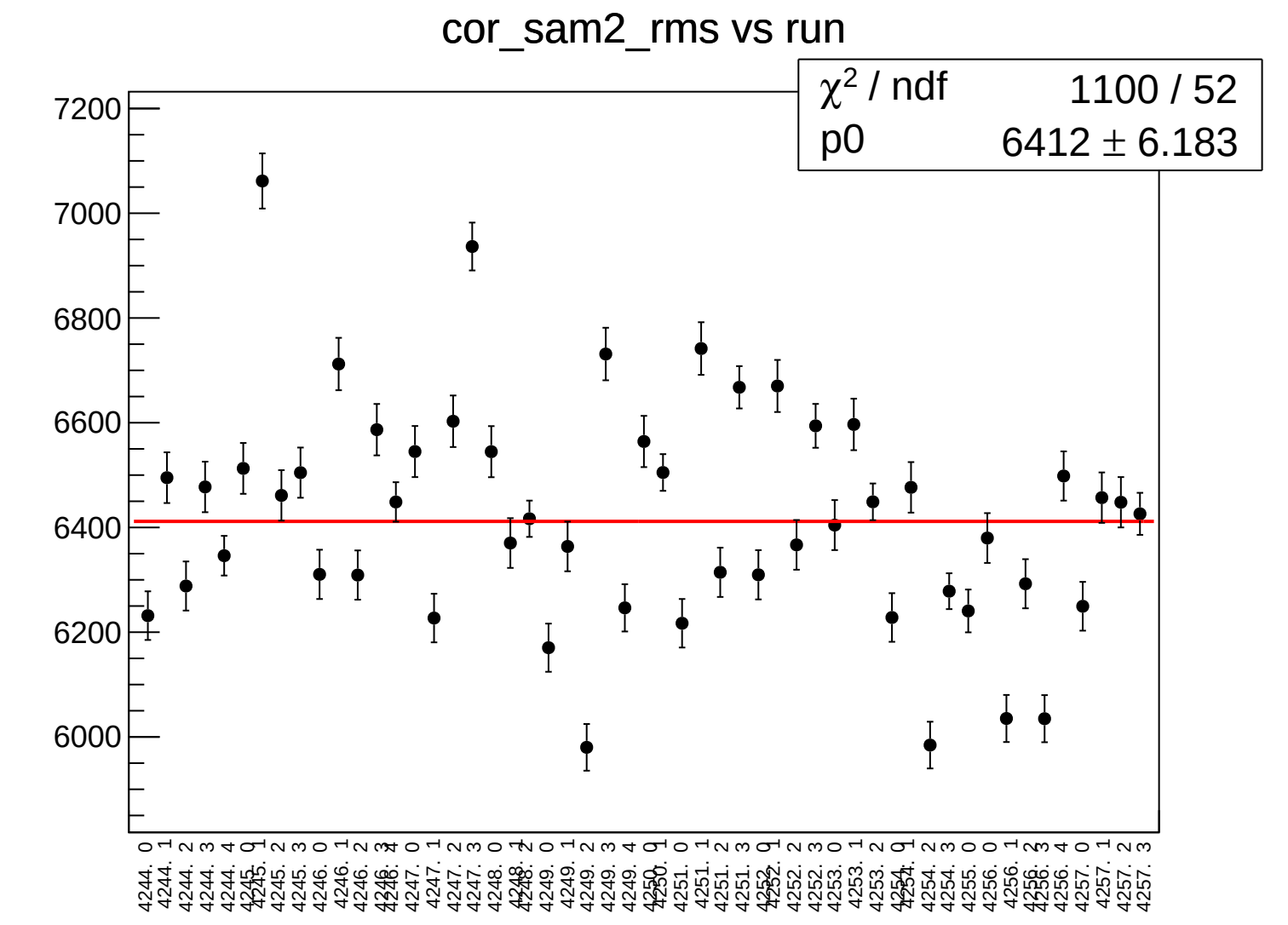

cor_sam1_mean vs run
χ² / ndf 59.56 / 52
p0 −1931 ± 2421
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −118.2
Std Dev 138.6
3
2
1
0
−1
−2

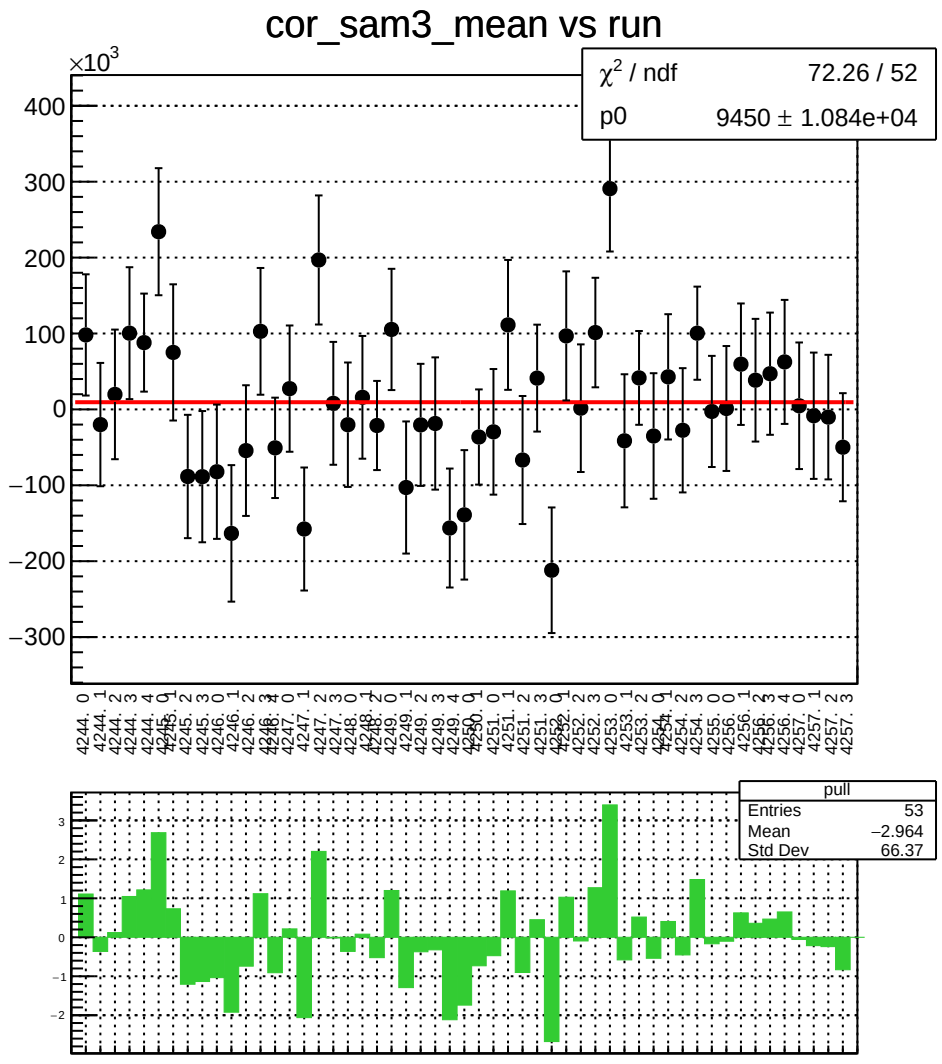

pull1D
Entries 53
Mean 0.019
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

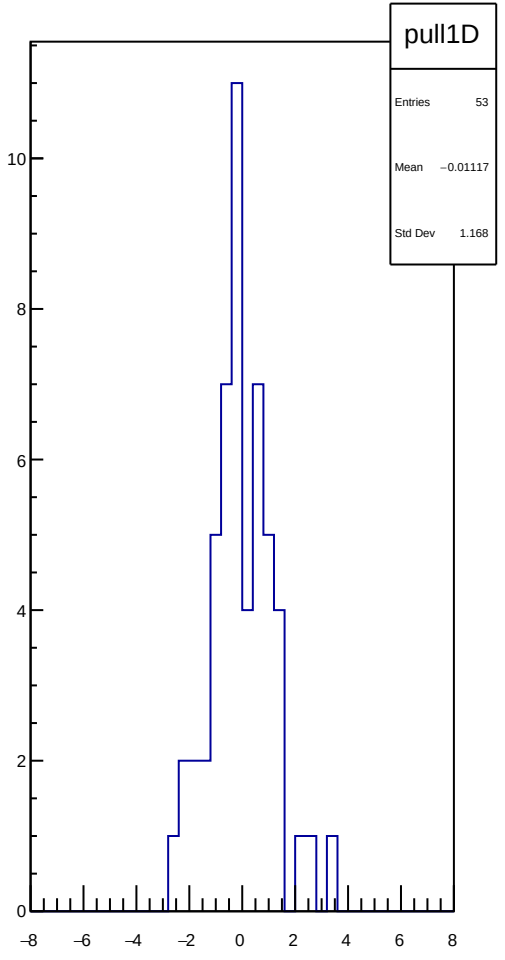

cor_sam1_rms vs run
χ² / ndf 7184 / 52
p0 1770 ± 1.712
2100
2000
1900
1800
1700
1600
1500
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

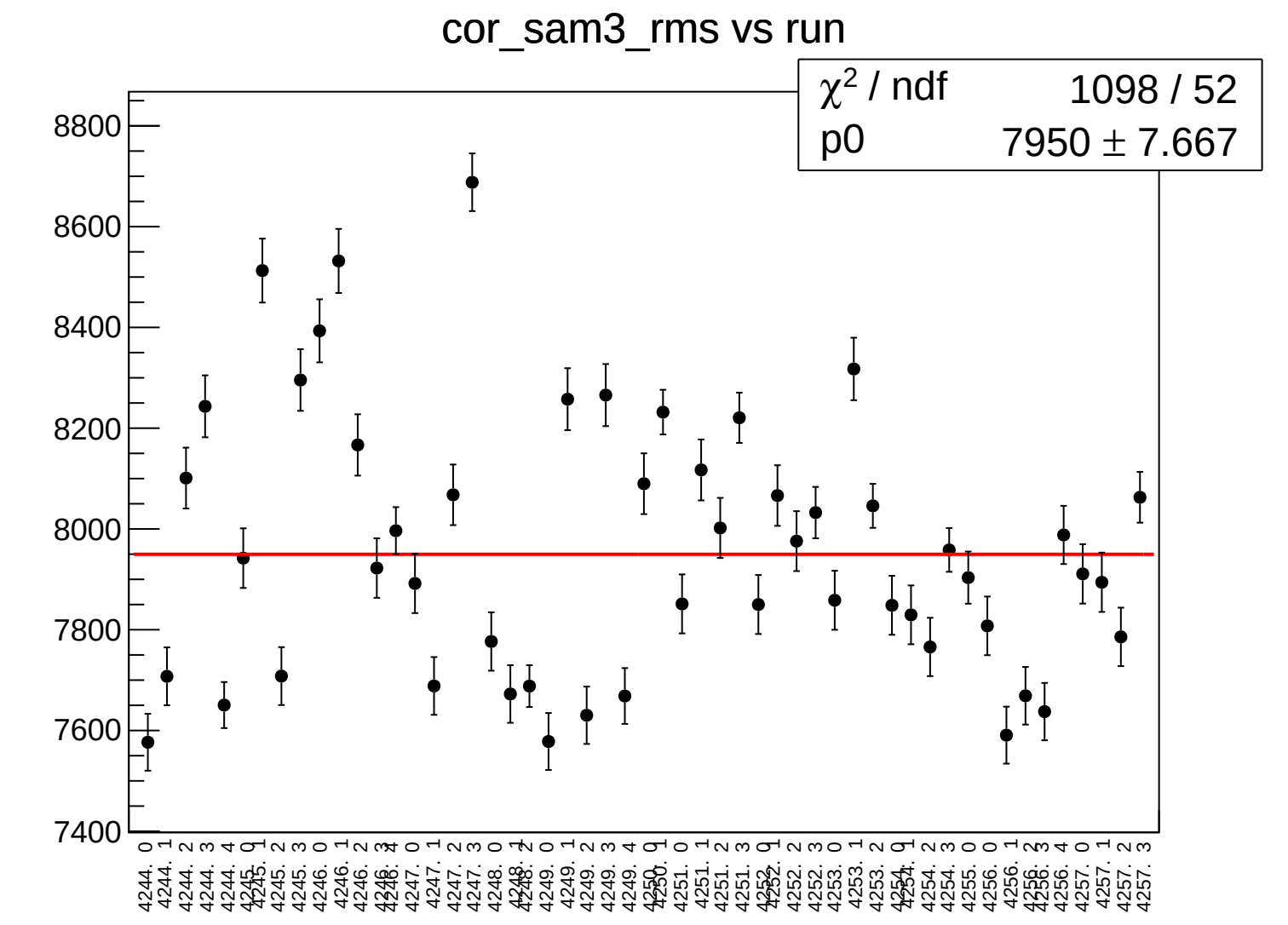

cor_sam2_mean vs run
×10^3
χ² / ndf 74.54 / 52
p0 5778 ± 8745
pull
Entries 53
Mean 19.16
Std Dev 98.51

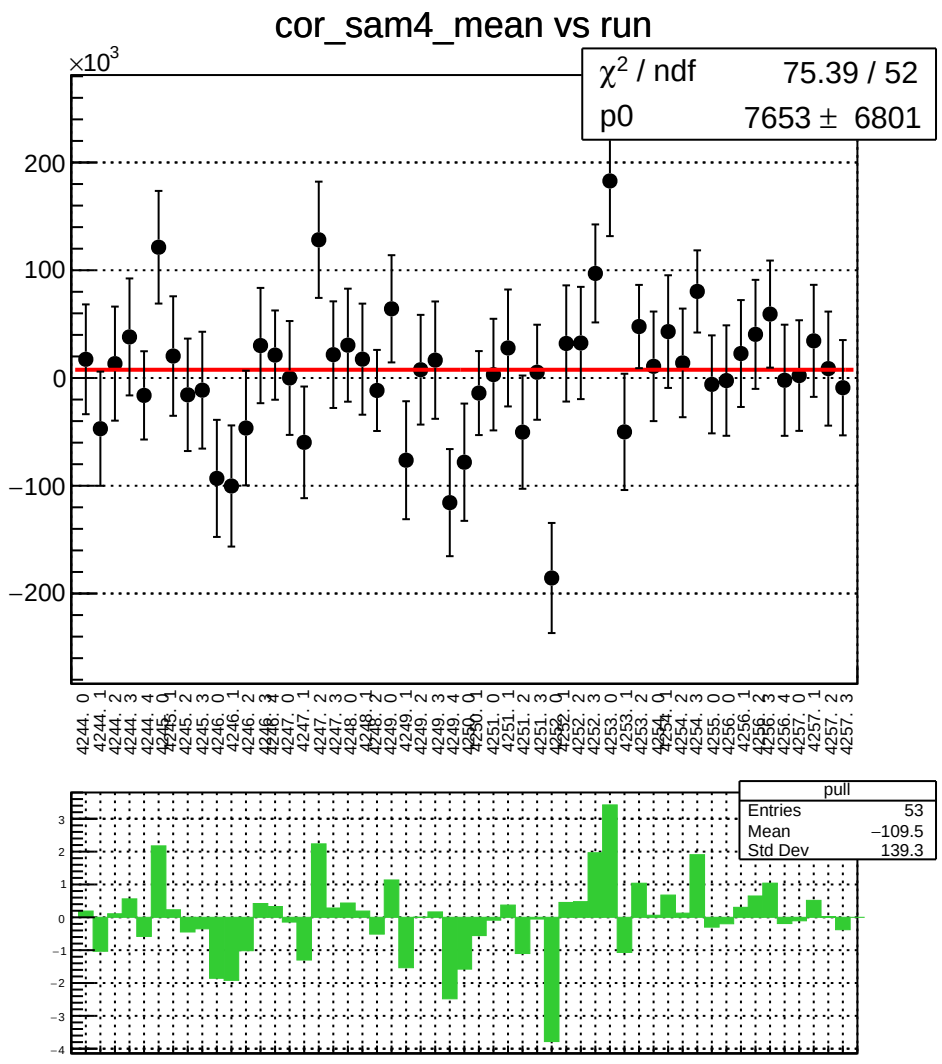

pull1D
Entries 53
Mean 0.006107
Std Dev 1.186

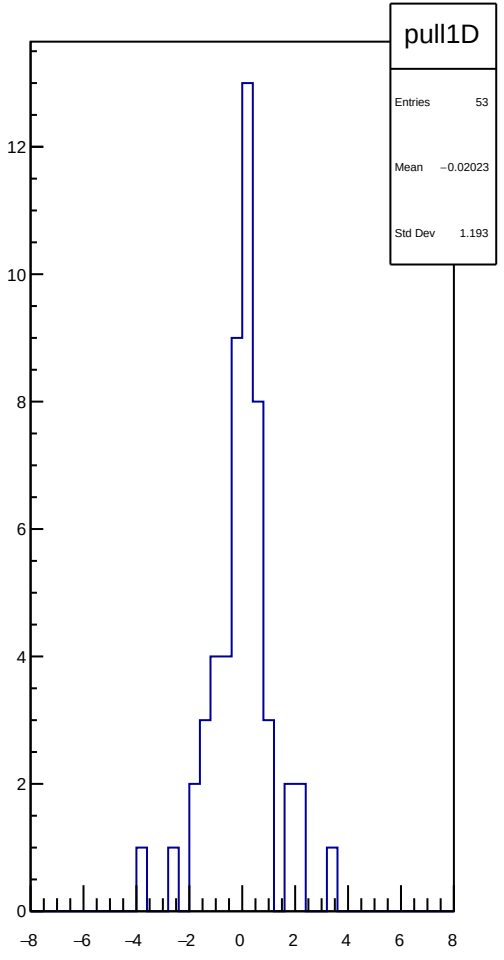

cor_sam2_rms vs run
χ² / ndf 1100 / 52
p0 6412 ± 6.183
7200
7000
6800
6600
6400
6200
6000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

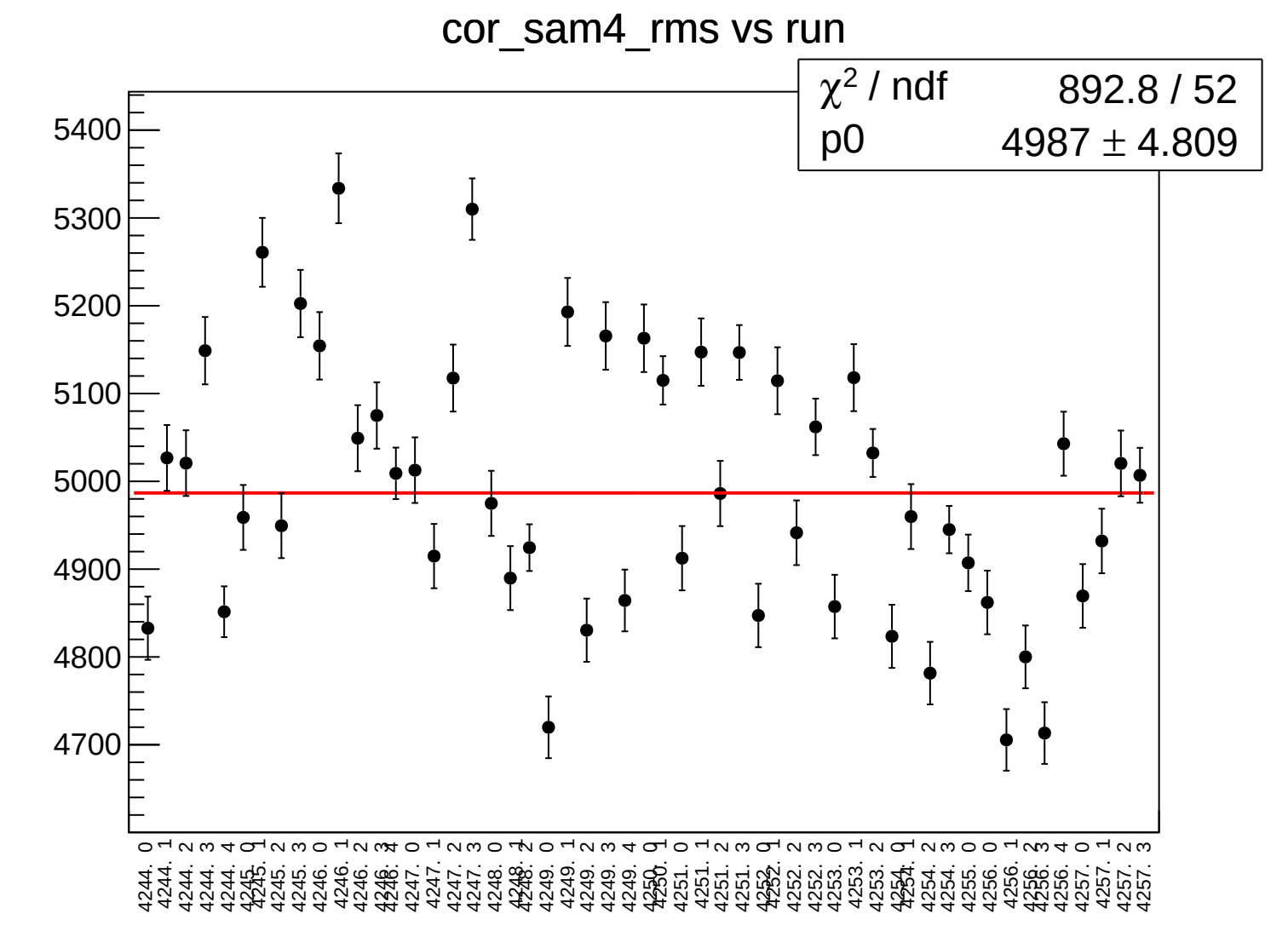

cor_sam3_mean vs run
×10^3
χ² / ndf 72.26 / 52
p0 9450 ± 1.084e+04
pull
Entries 53
Mean −2.964
Std Dev 66.37

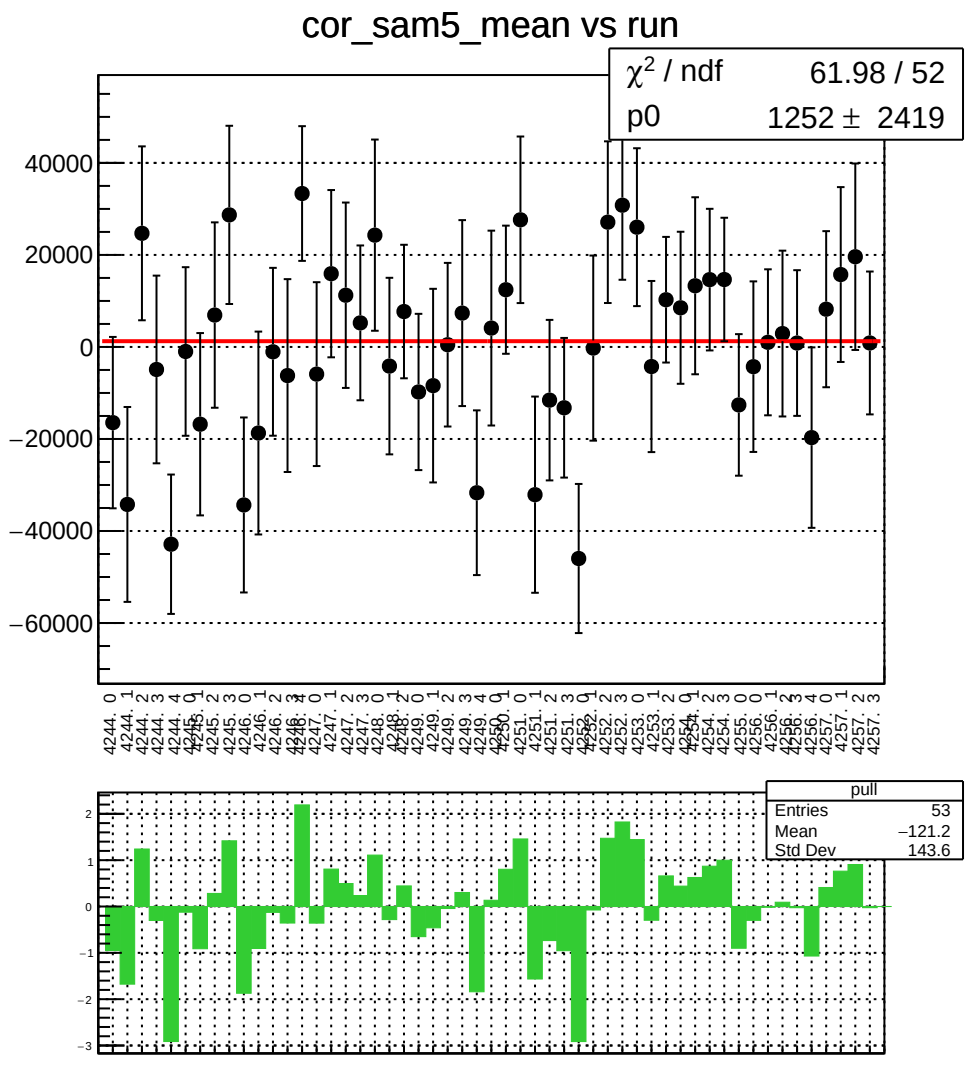

pull1D
Entries 53
Mean −0.01117
Std Dev 1.168

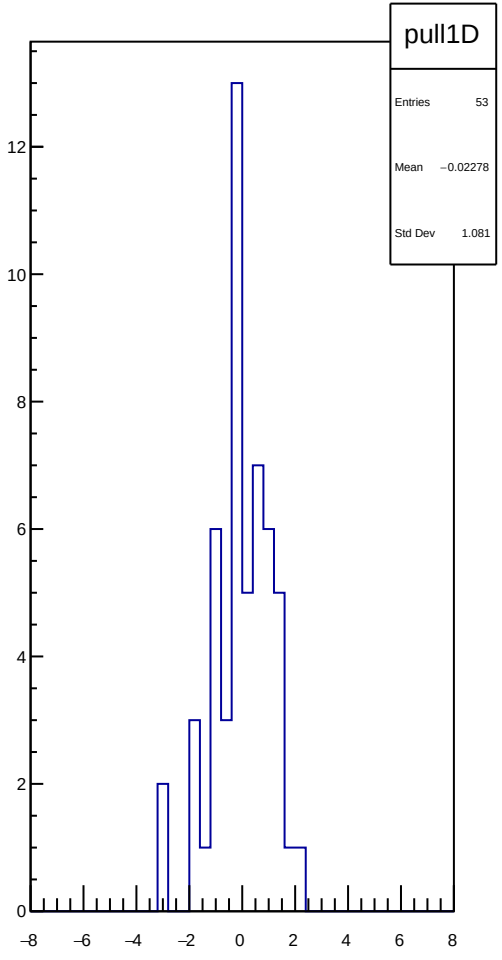

cor_sam3_rms vs run
χ² / ndf 1098 / 52
p0 7950 ± 7.667
8800
8600
8400
8200
8000
7800
7600
7400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

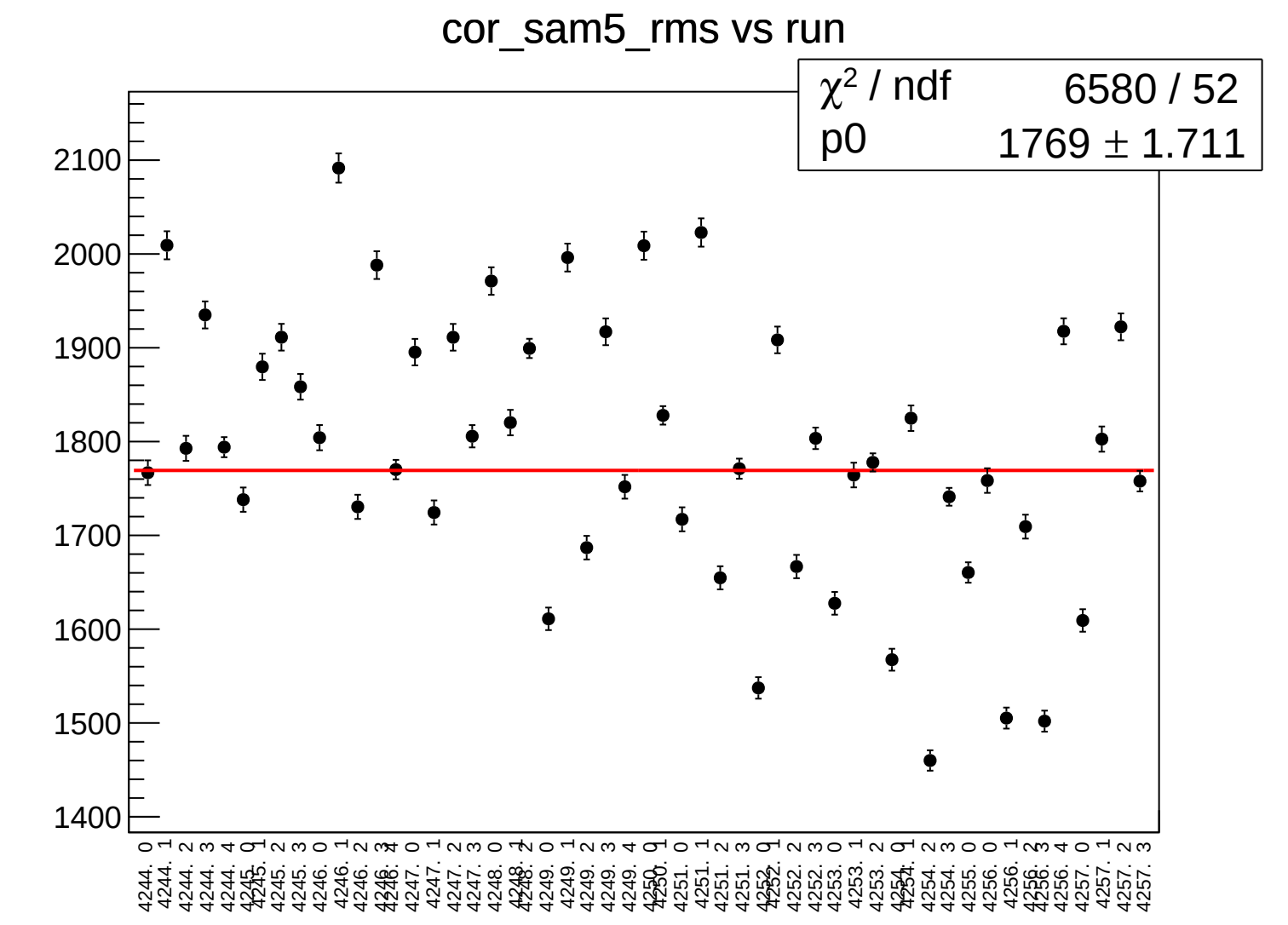

cor_sam4_mean vs run
χ² / ndf 75.39 / 52
p0 7653 ± 6801
×10³
200
100
0
−100
−200
pull
Entries 53
Mean −109.5
Std Dev 139.3
3
2
1
0
−1
−2
−3
−4

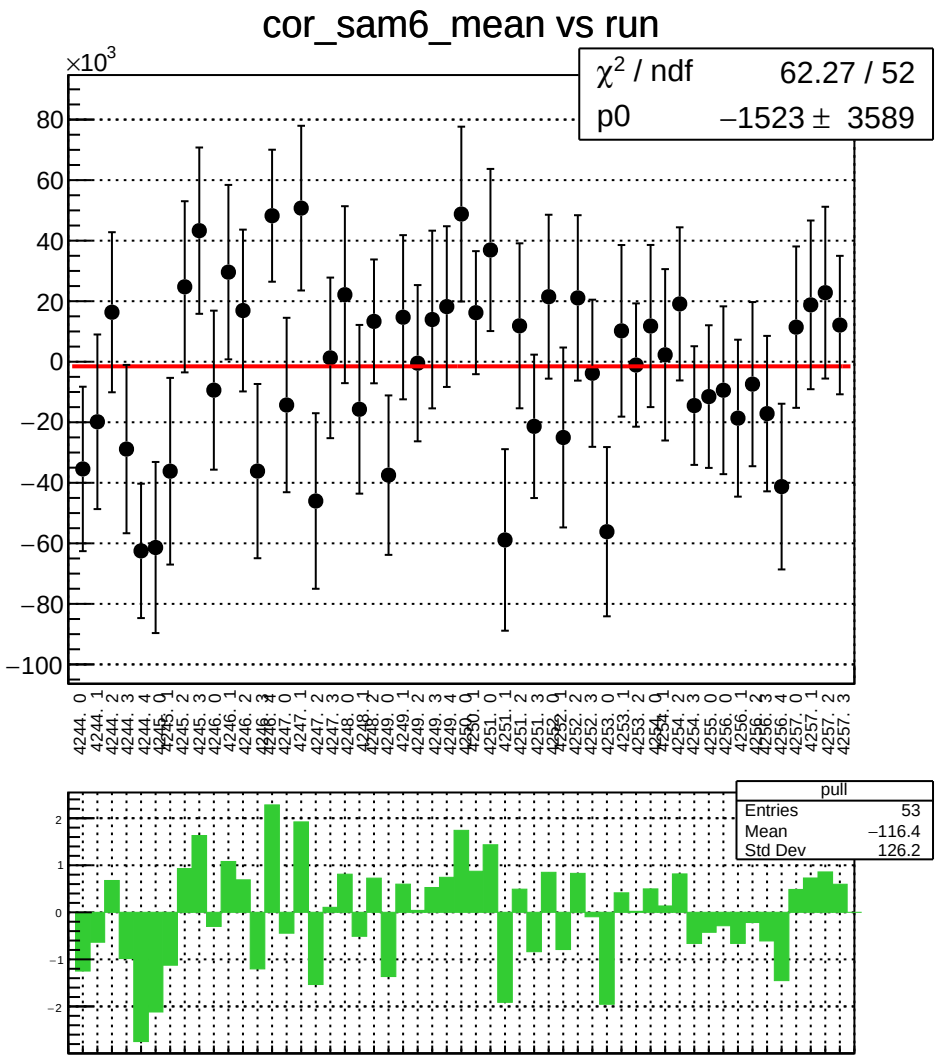

pull1D
Entries 53
Mean −0.02023
Std Dev 1.193
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

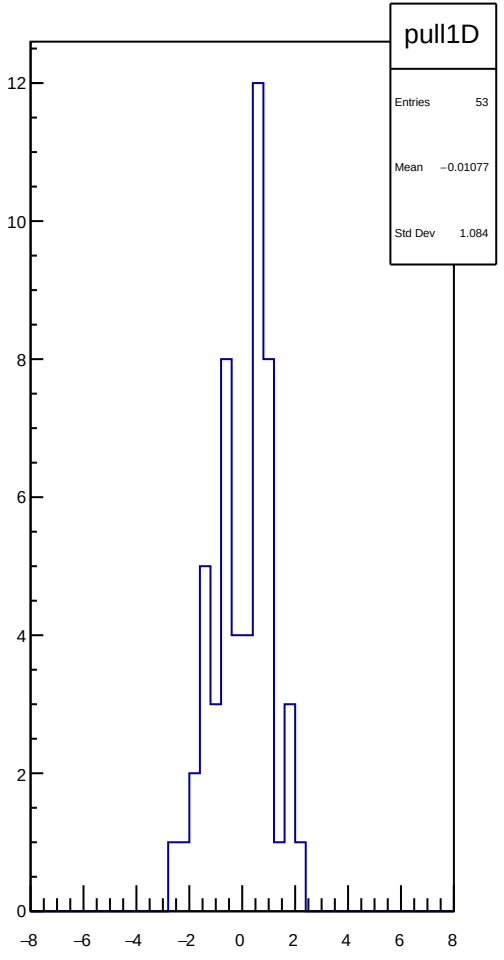

cor_sam4_rms vs run
χ² / ndf 892.8 / 52
p0 4987 ± 4.809
5400
5300
5200
5100
5000
4900
4800
4700
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

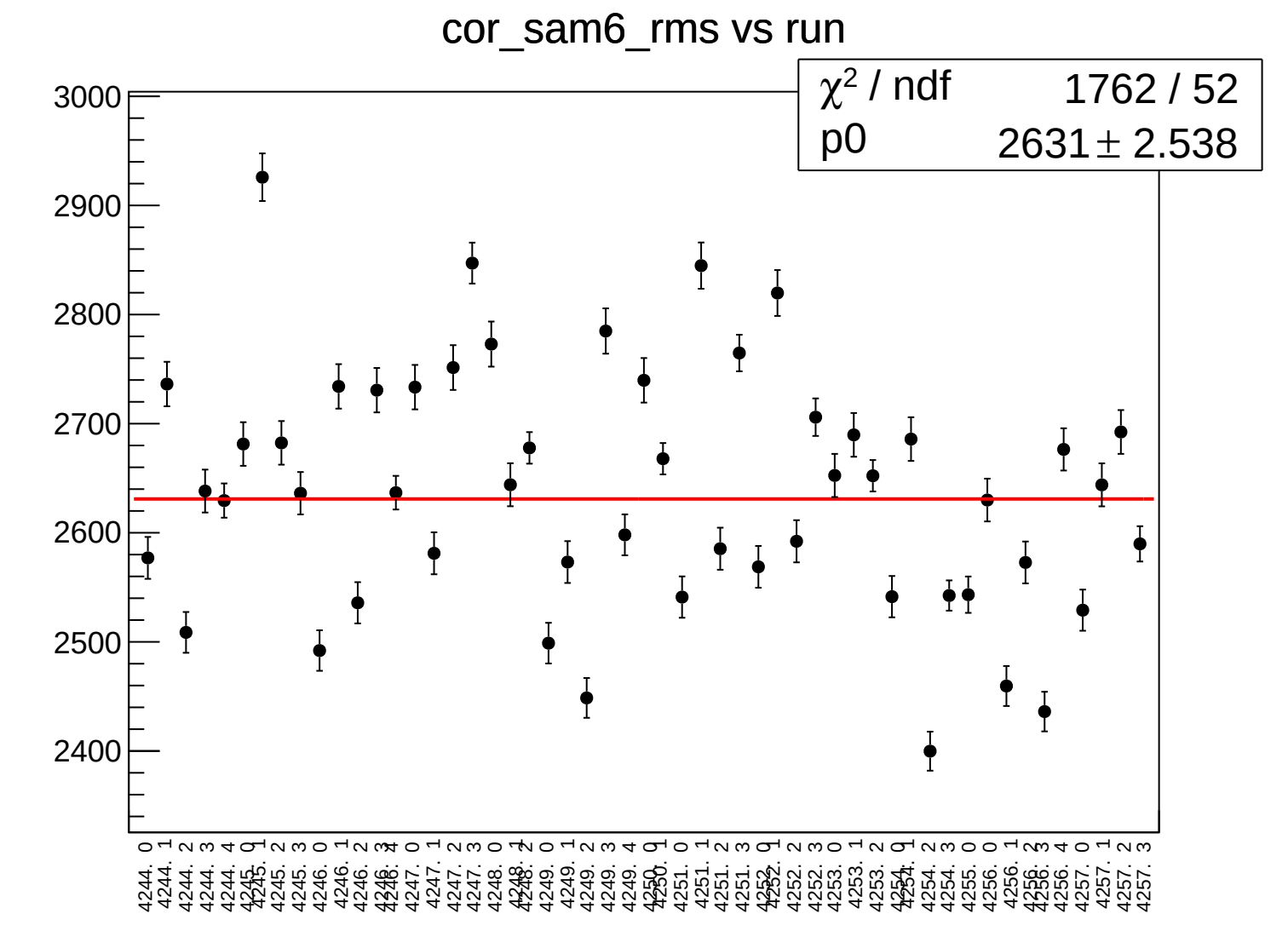

cor_sam5_mean vs run
χ² / ndf 61.98 / 52
p0 1252 ± 2419
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −121.2
Std Dev 143.6
2
1
0
−1
−2
−3

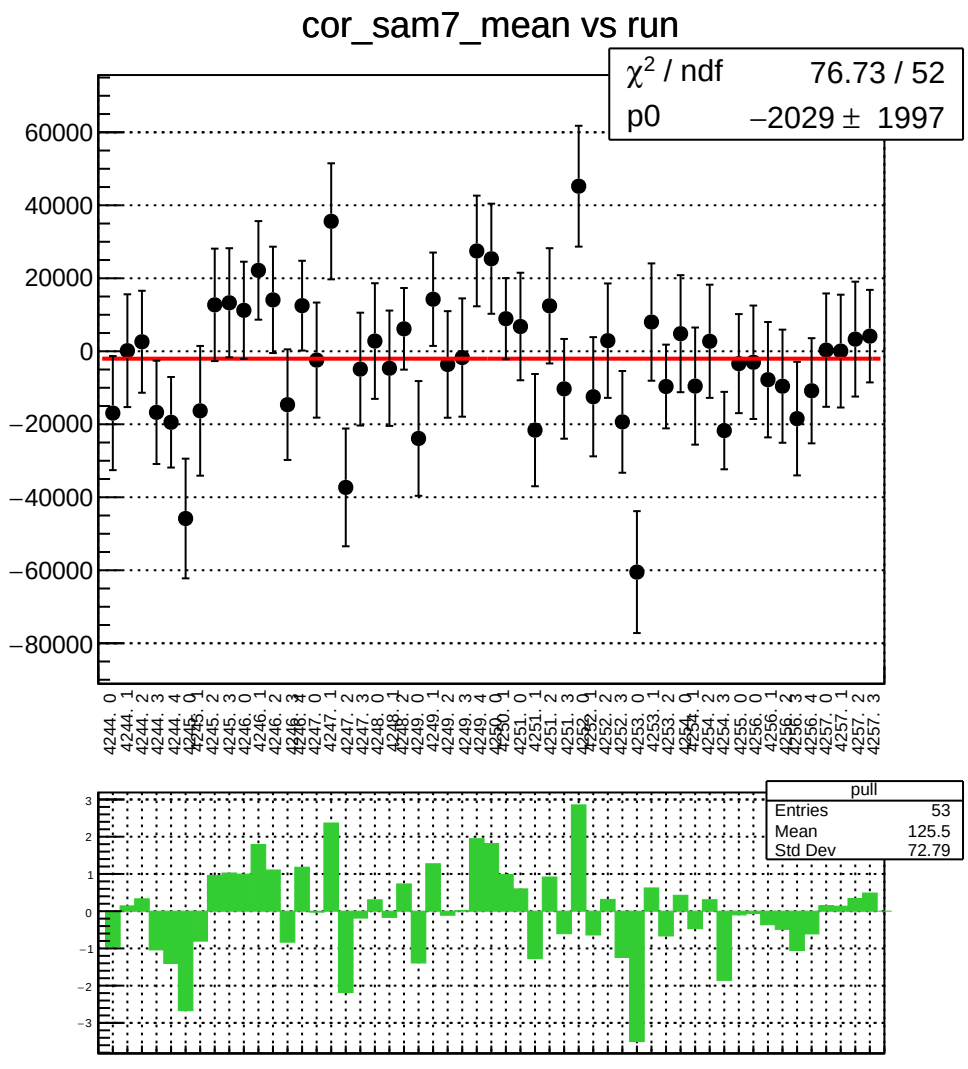

pull1D
Entries 53
Mean −0.02278
Std Dev 1.081
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

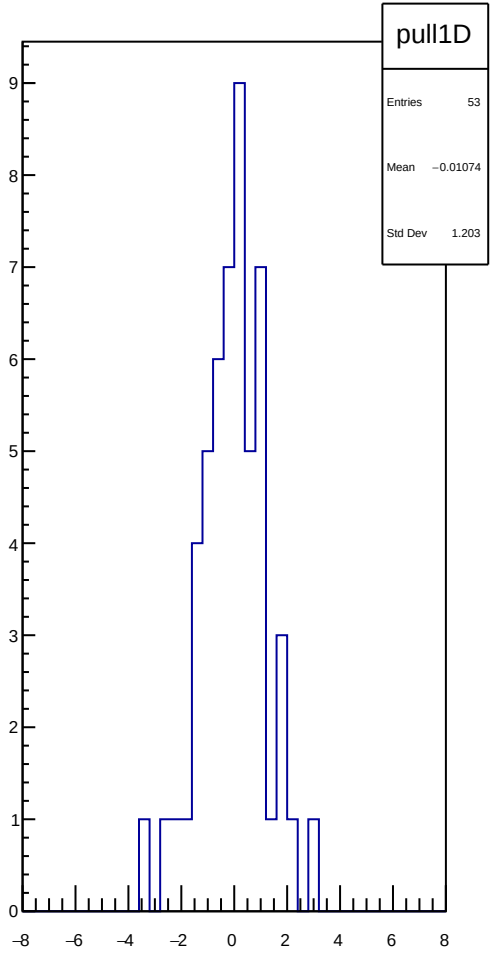

cor_sam5_rms vs run
χ² / ndf 6580 / 52
p0 1769 ± 1.711
2100
2000
1900
1800
1700
1600
1500
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

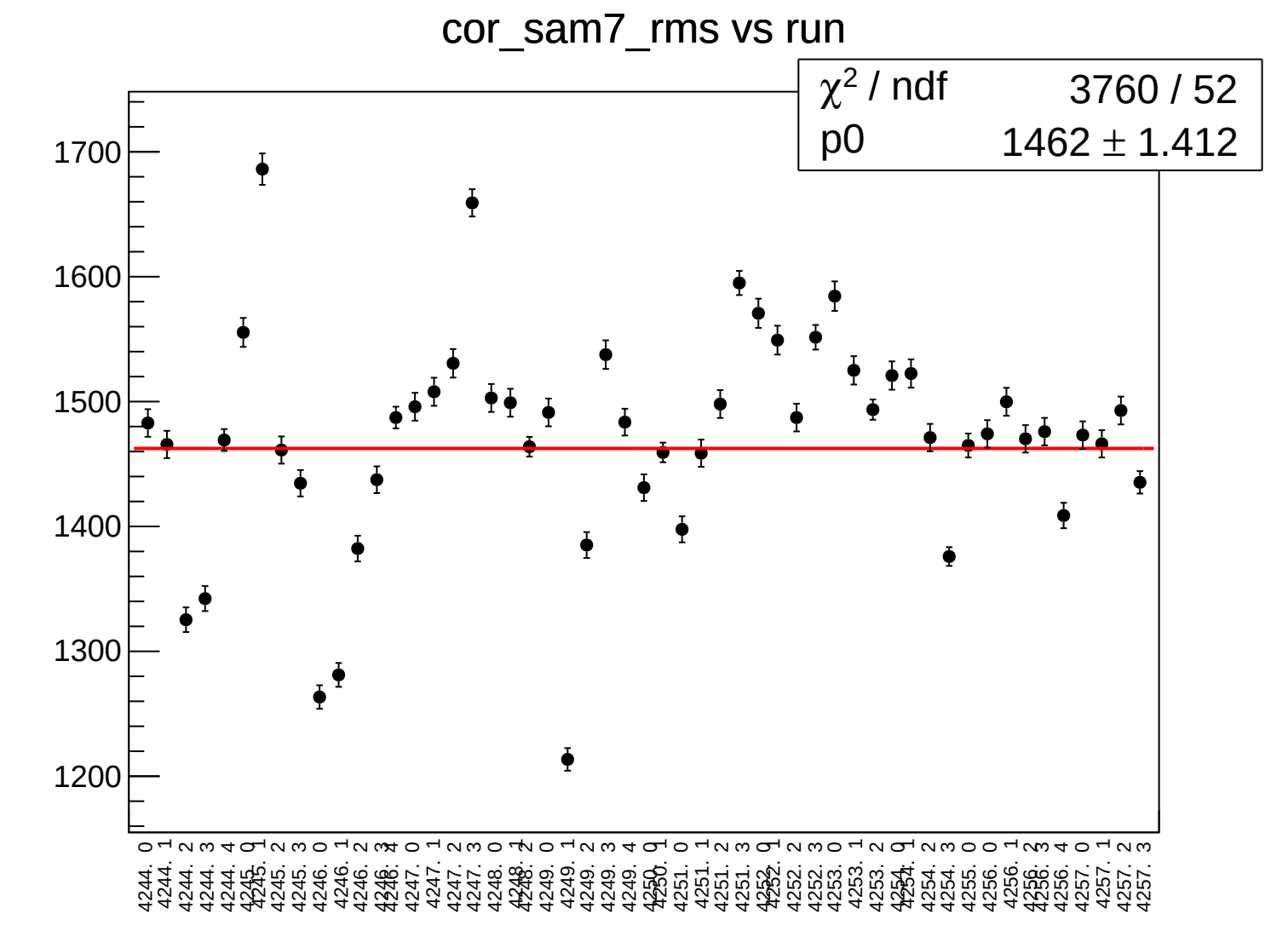

cor_sam6_mean vs run
χ² / ndf 62.27 / 52
p0 −1523 ± 3589
×10³
pull
Entries 53
Mean −116.4
Std Dev 126.2

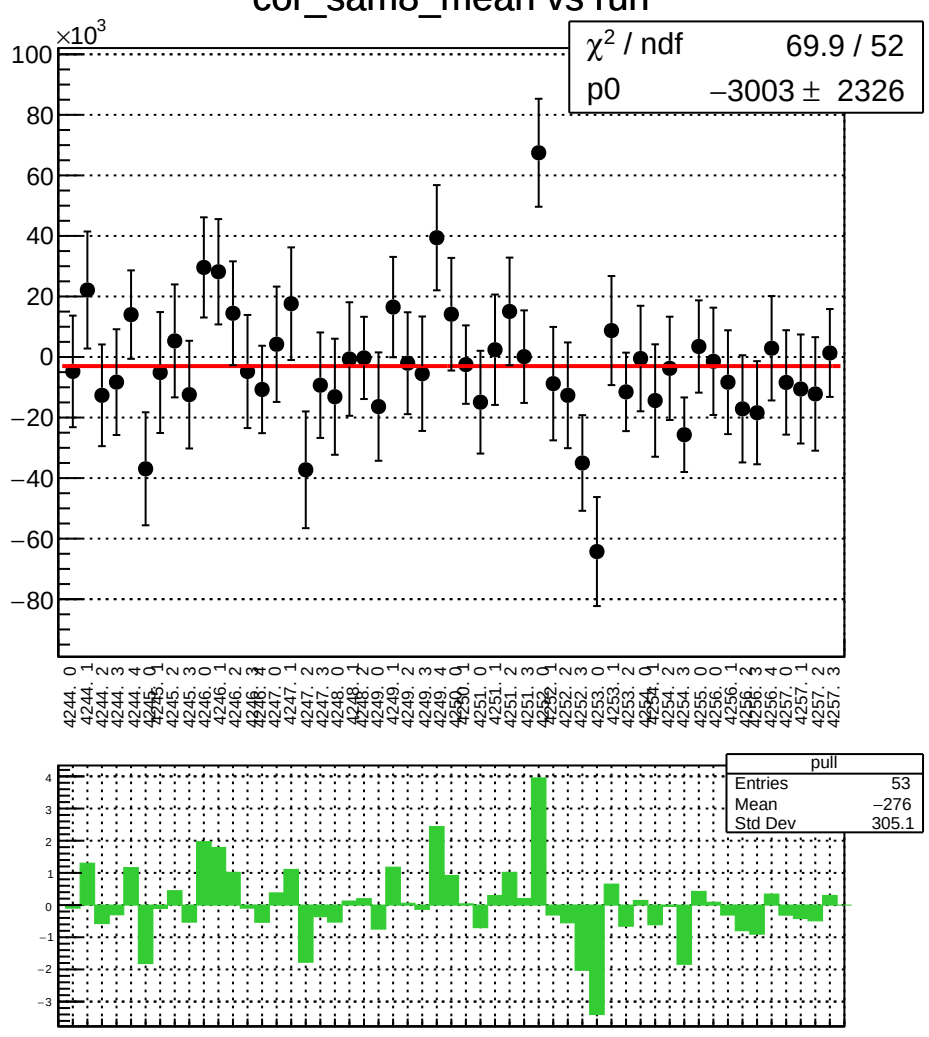

pull1D
Entries 53
Mean −0.01077
Std Dev 1.084

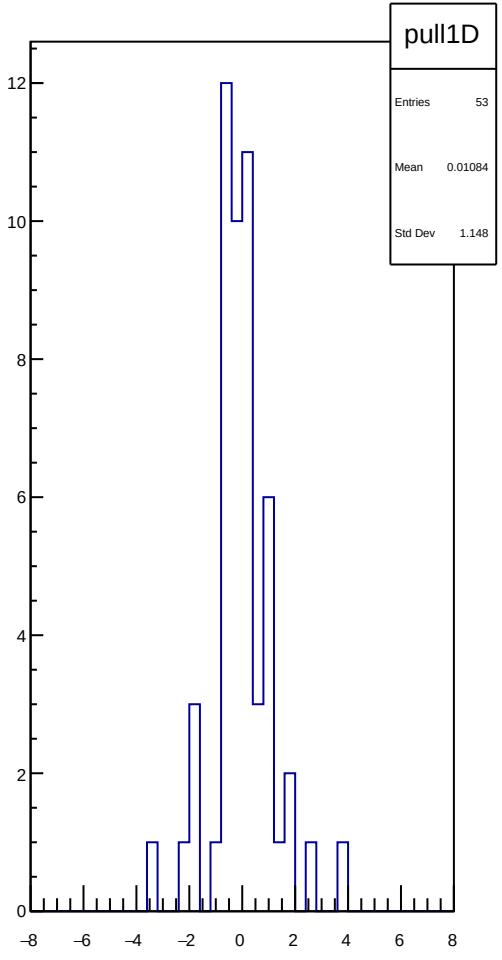

cor_sam6_rms vs run
χ² / ndf 1762 / 52
p0 2631 ± 2.538
3000
2900
2800
2700
2600
2500
2400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

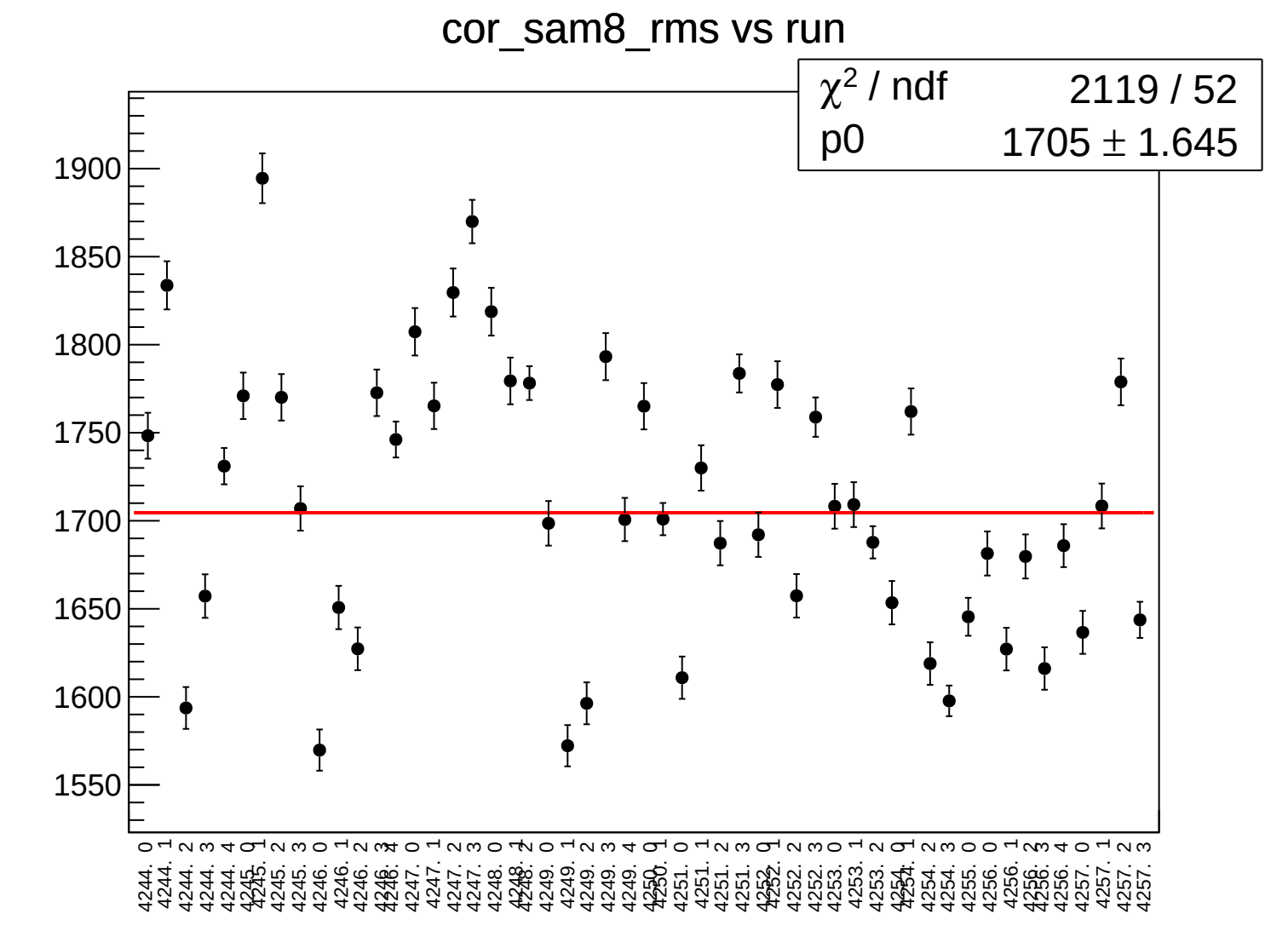

cor_sam7_mean vs run
χ² / ndf 76.73 / 52
p0 −2029 ± 1997
pull
Entries 53
Mean 125.5
Std Dev 72.79

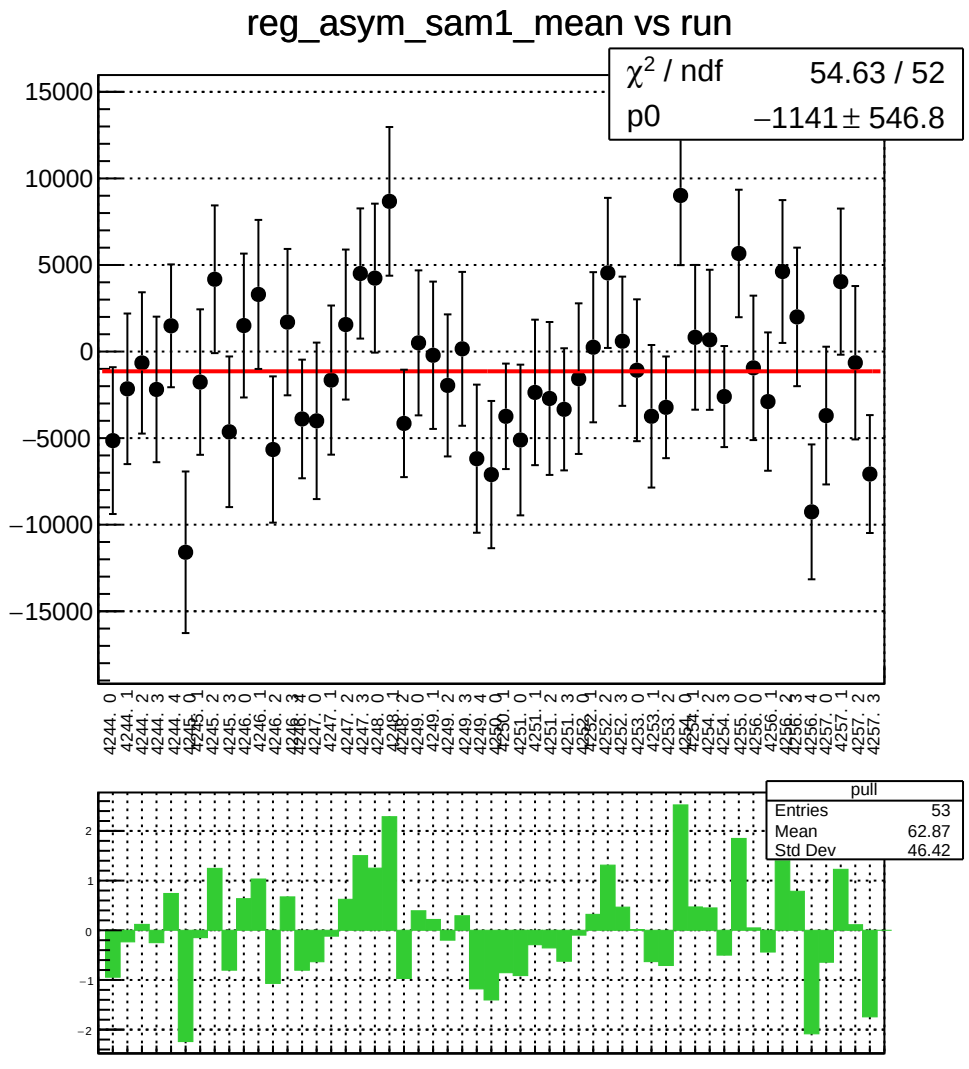

pull1D
Entries 53
Mean −0.01074
Std Dev 1.203

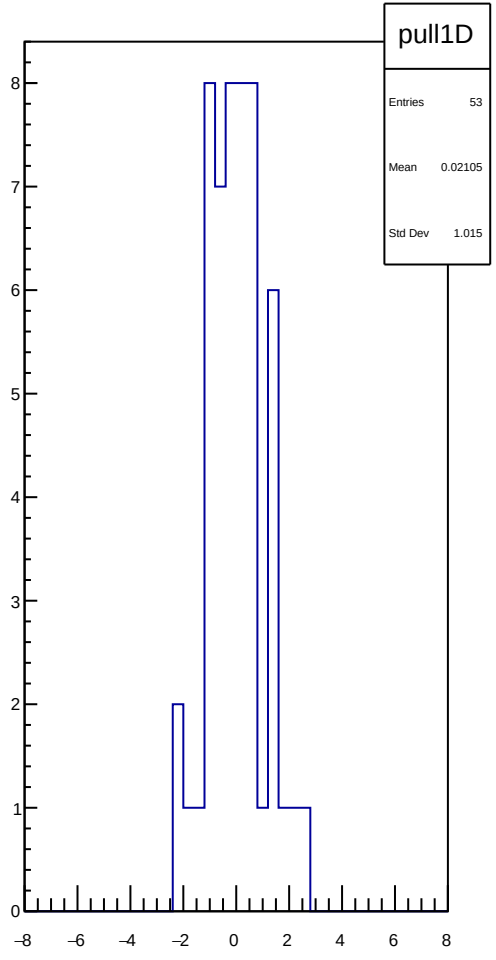

cor_sam7_rms vs run
χ² / ndf 3760 / 52
p0 1462 ± 1.412
1700
1600
1500
1400
1300
1200
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

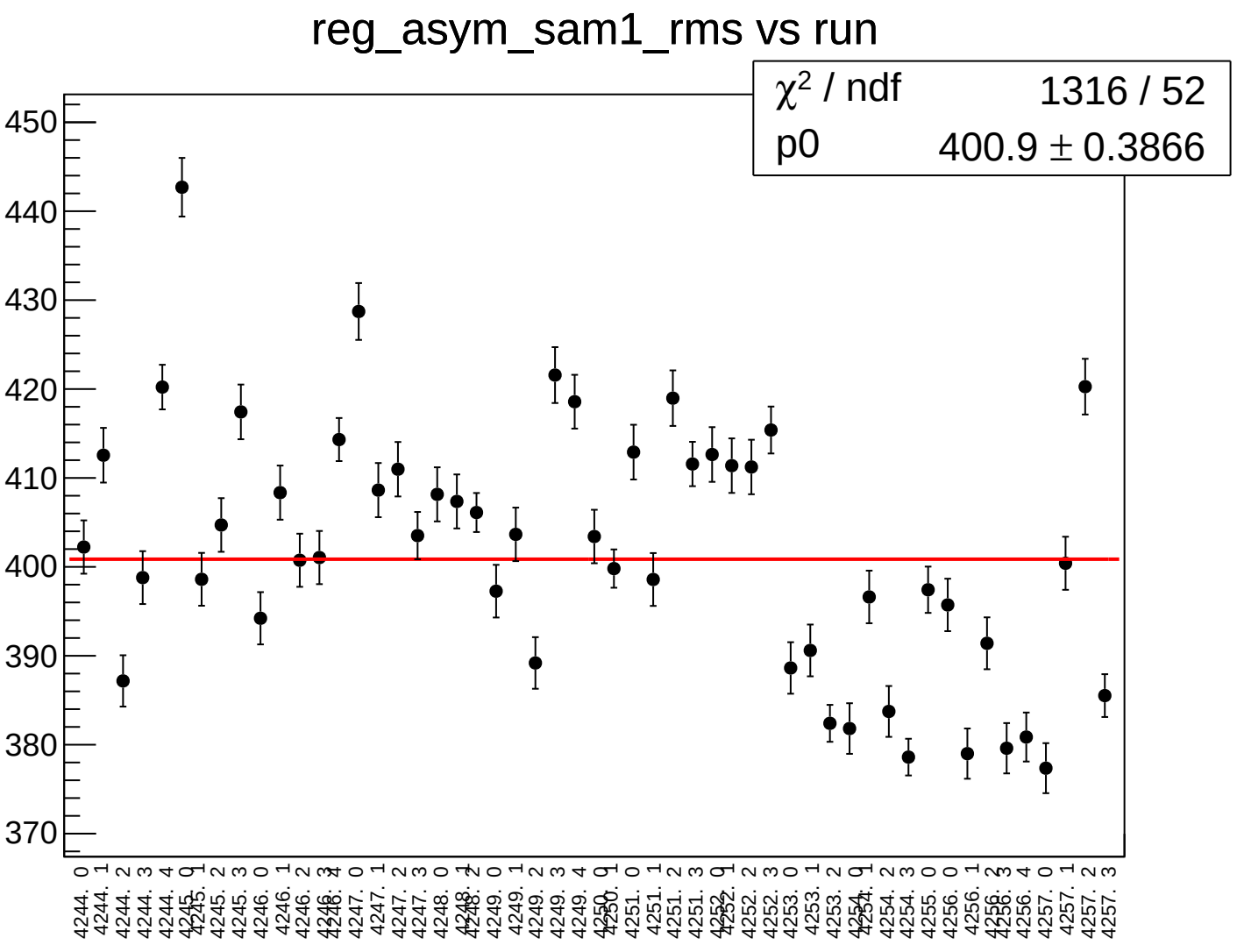

cor_sam8_mean vs run
×10^3
χ² / ndf 69.9 / 52
p0 −3003 ± 2326
pull
Entries 53
Mean −276
Std Dev 305.1

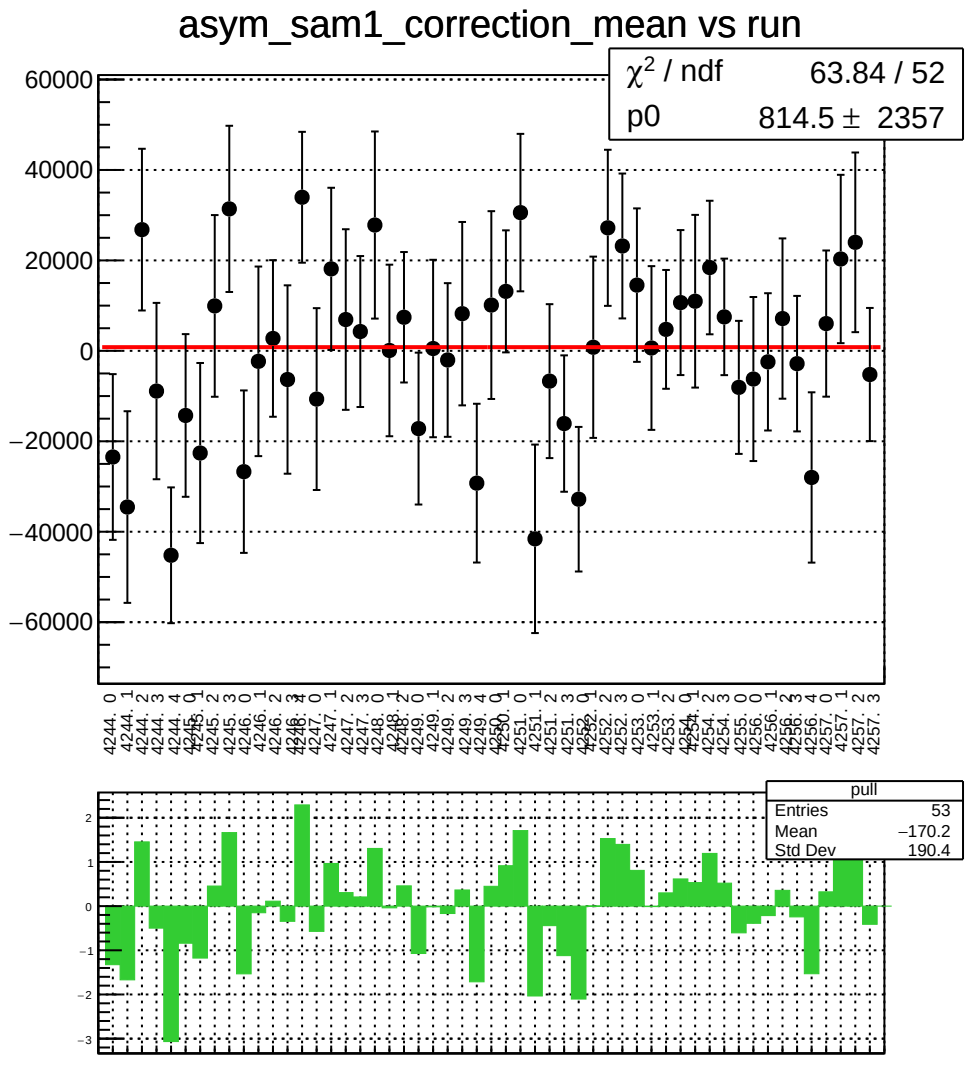

pull1D
Entries 53
Mean 0.01084
Std Dev 1.148

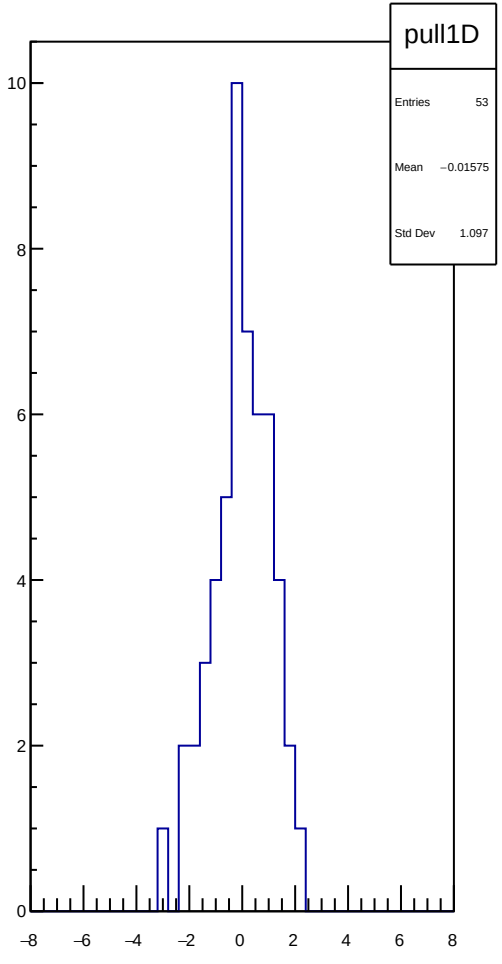

cor_sam8_rms vs run
χ² / ndf 2119 / 52
p0 1705 ± 1.645
1900
1850
1800
1750
1700
1650
1600
1550
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

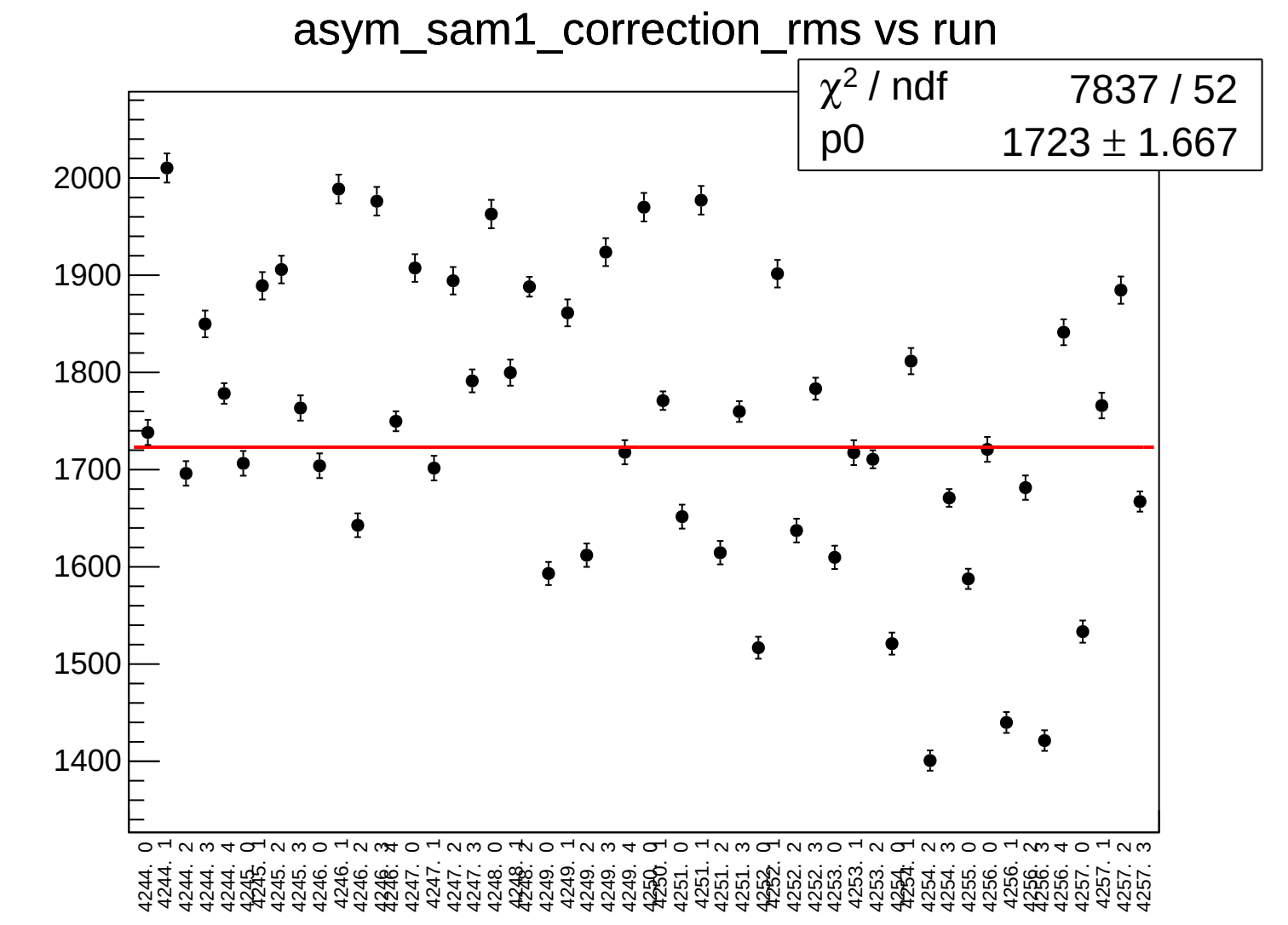

reg_asym_sam1_mean vs run
χ² / ndf 54.63 / 52
p0 −1141 ± 546.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 62.87
Std Dev 46.42
2
1
0
−1
−2

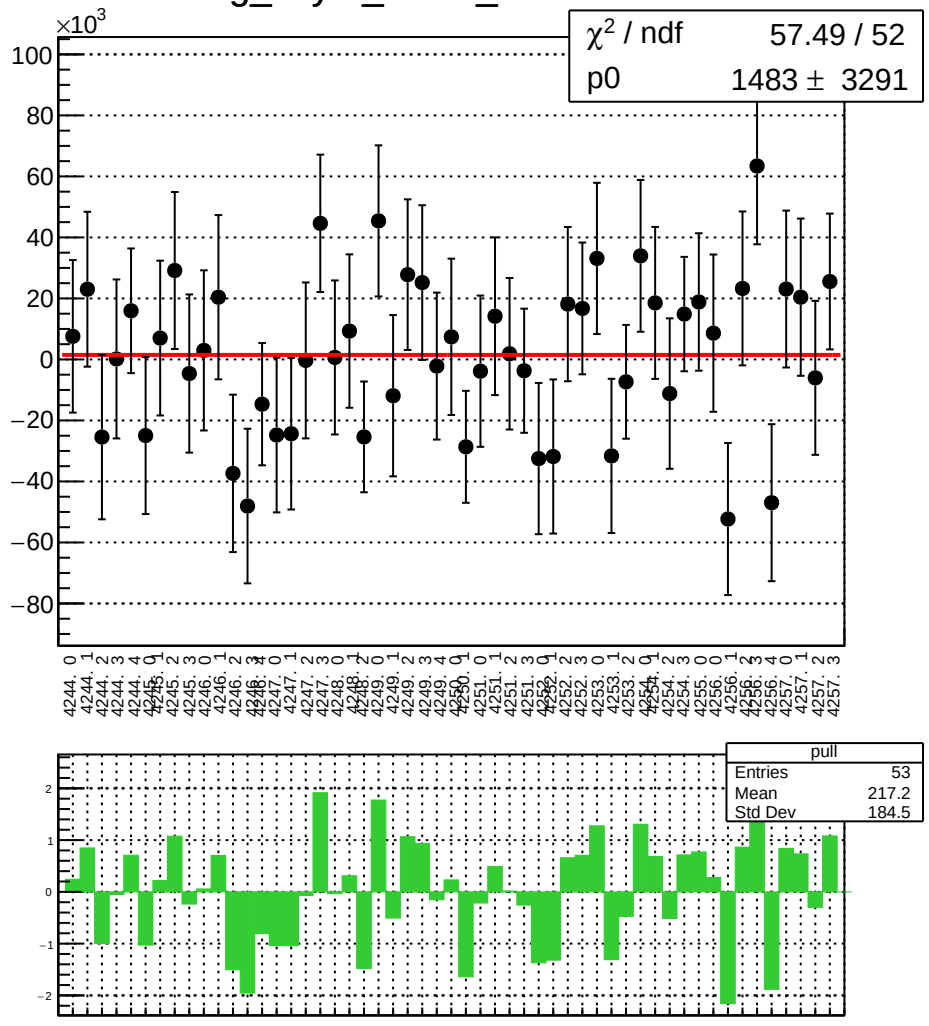

pull1D
Entries 53
Mean 0.02105
Std Dev 1.015
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

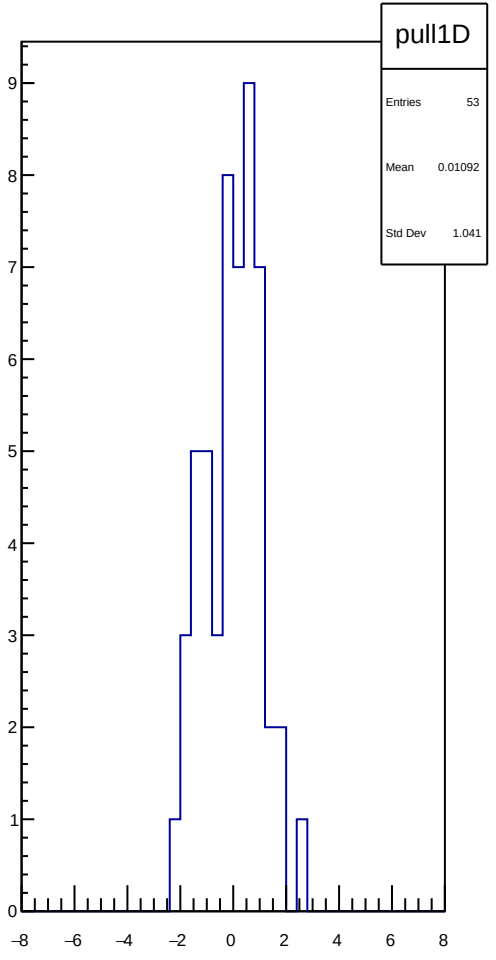

reg_asym_sam1_rms vs run
χ² / ndf 1316 / 52
p0 400.9 ± 0.3866
450
440
430
420
410
400
390
380
370
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

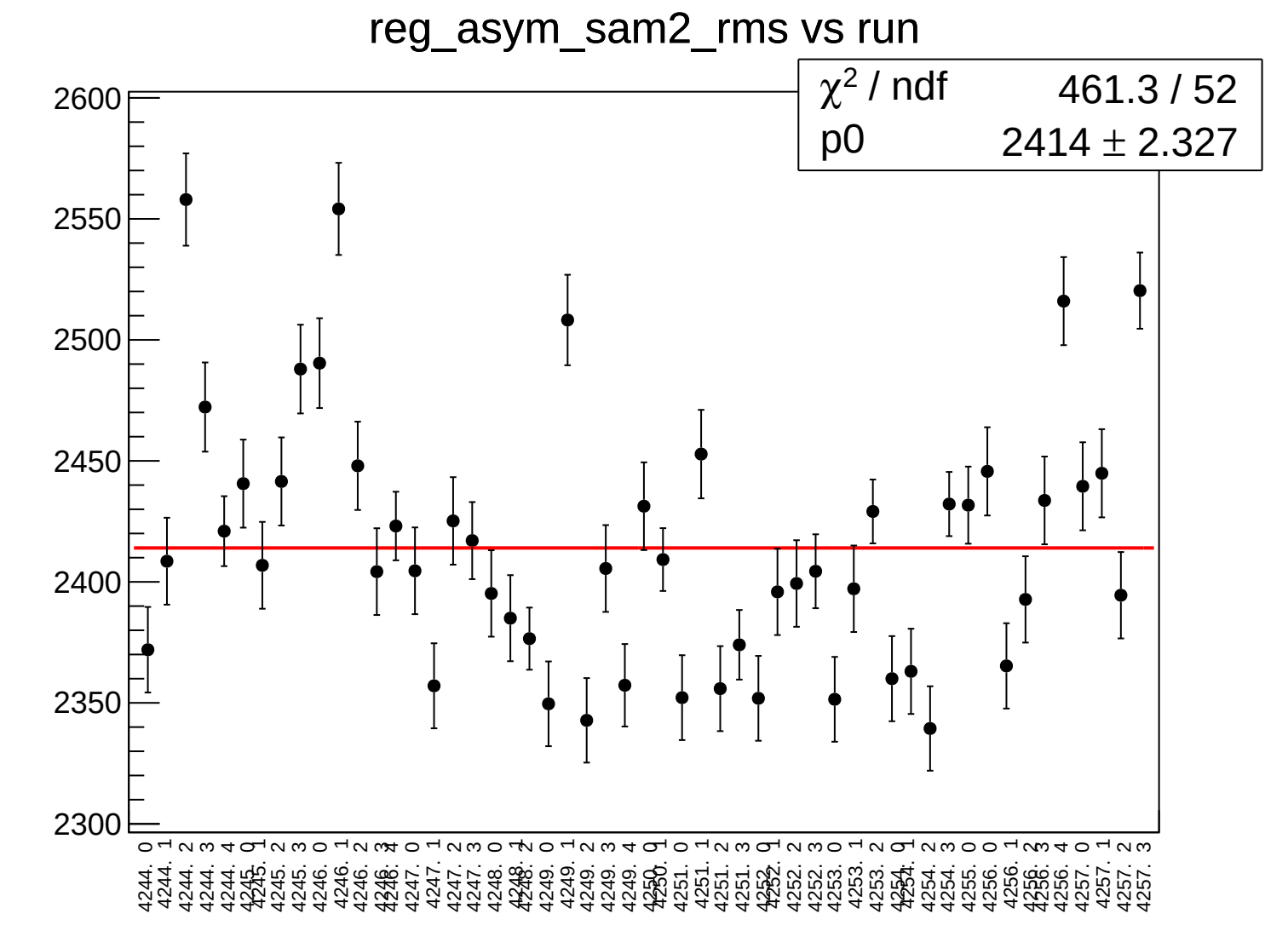

asym_sam1_correction_mean vs run
χ² / ndf 63.84 / 52
p0 814.5 ± 2357
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −170.2
Std Dev 190.4
2
1
0
−1
−2
−3

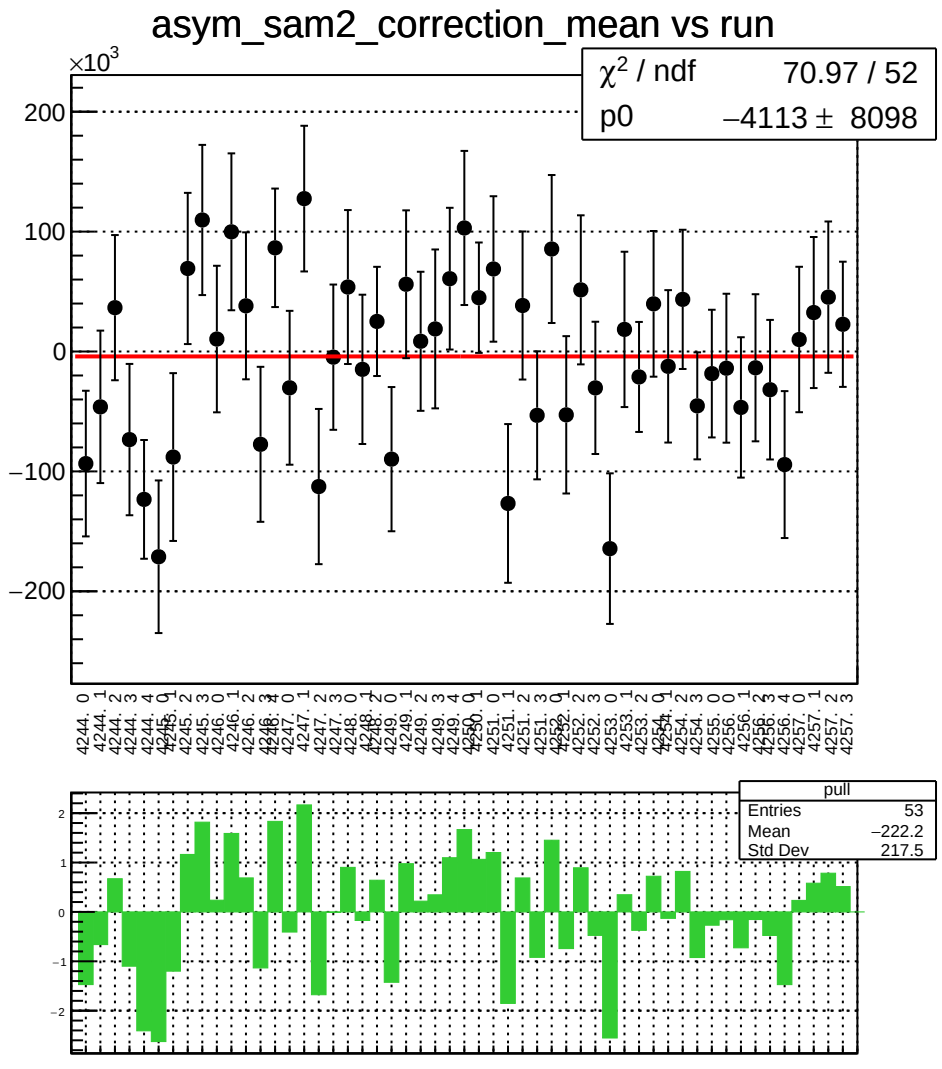

pull1D
Entries 53
Mean −0.01575
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

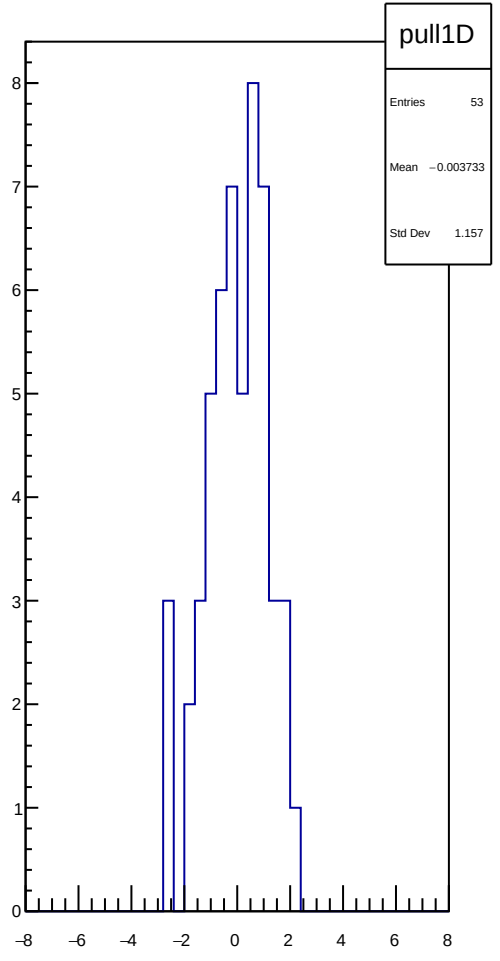

asym_sam1_correction_rms vs run
χ² / ndf 7837 / 52
p0 1723 ± 1.667
2000
1900
1800
1700
1600
1500
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

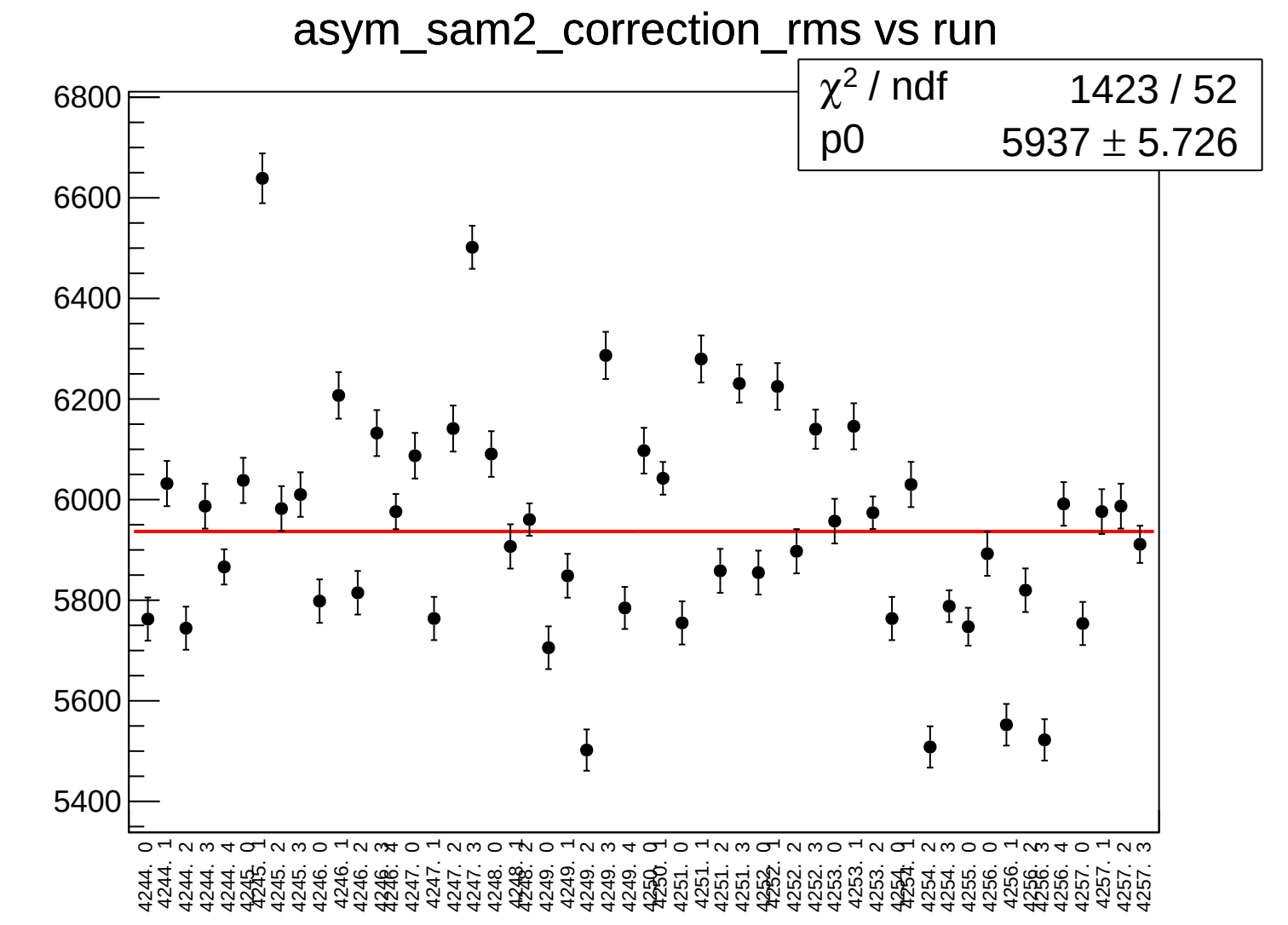

reg_asym_sam2_mean vs run
×10^3
χ² / ndf 57.49 / 52
p0 1483 ± 3291
pull
Entries 53
Mean 217.2
Std Dev 184.5

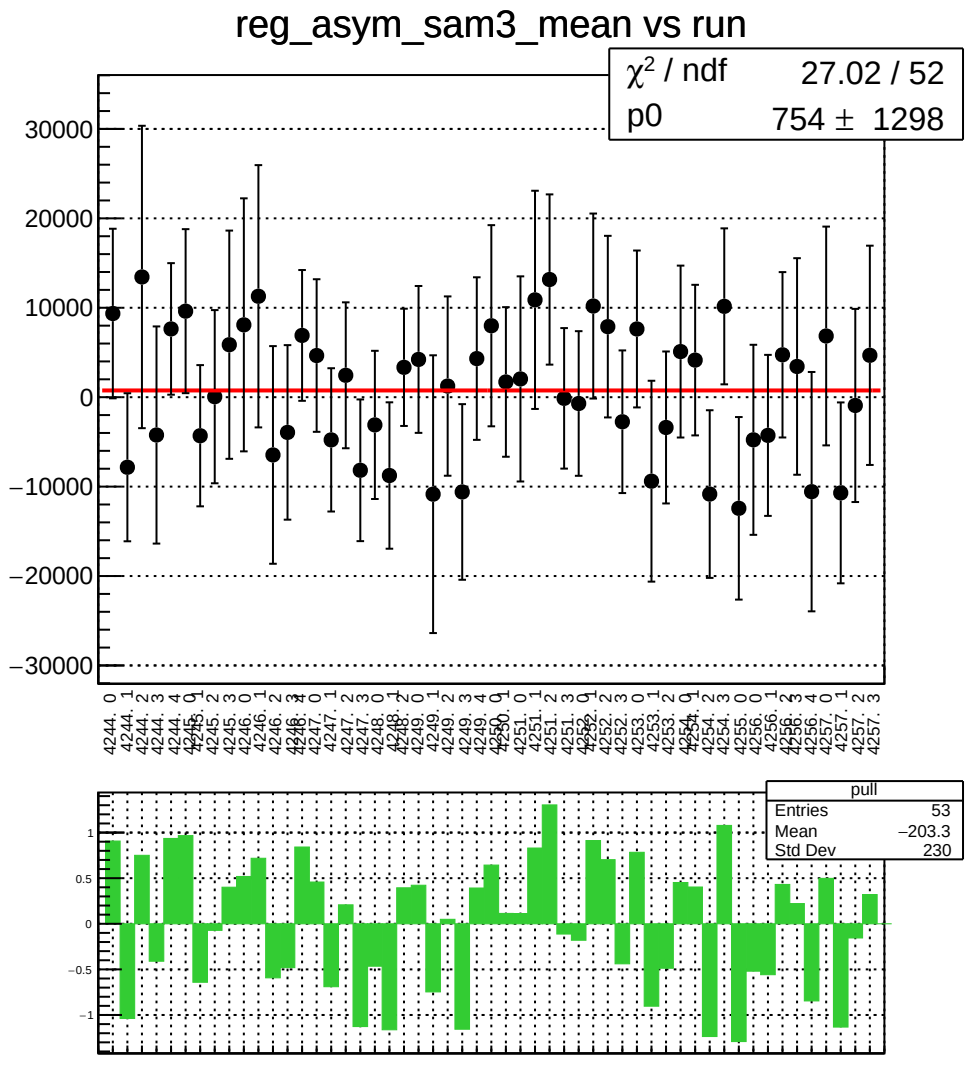

pull1D
Entries 53
Mean 0.01092
Std Dev 1.041

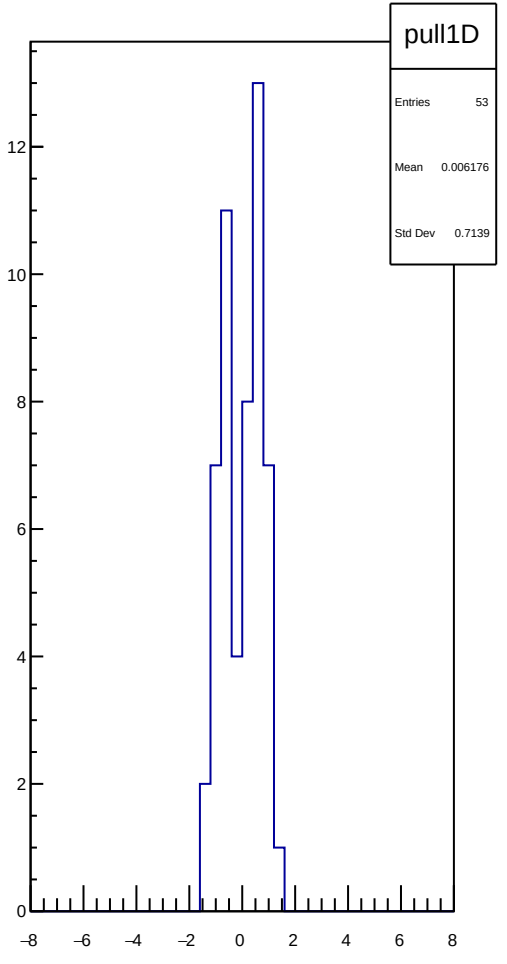

reg_asym_sam2_rms vs run
χ² / ndf 461.3 / 52
p0 2414 ± 2.327
2600
2550
2500
2450
2400
2350
2300
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

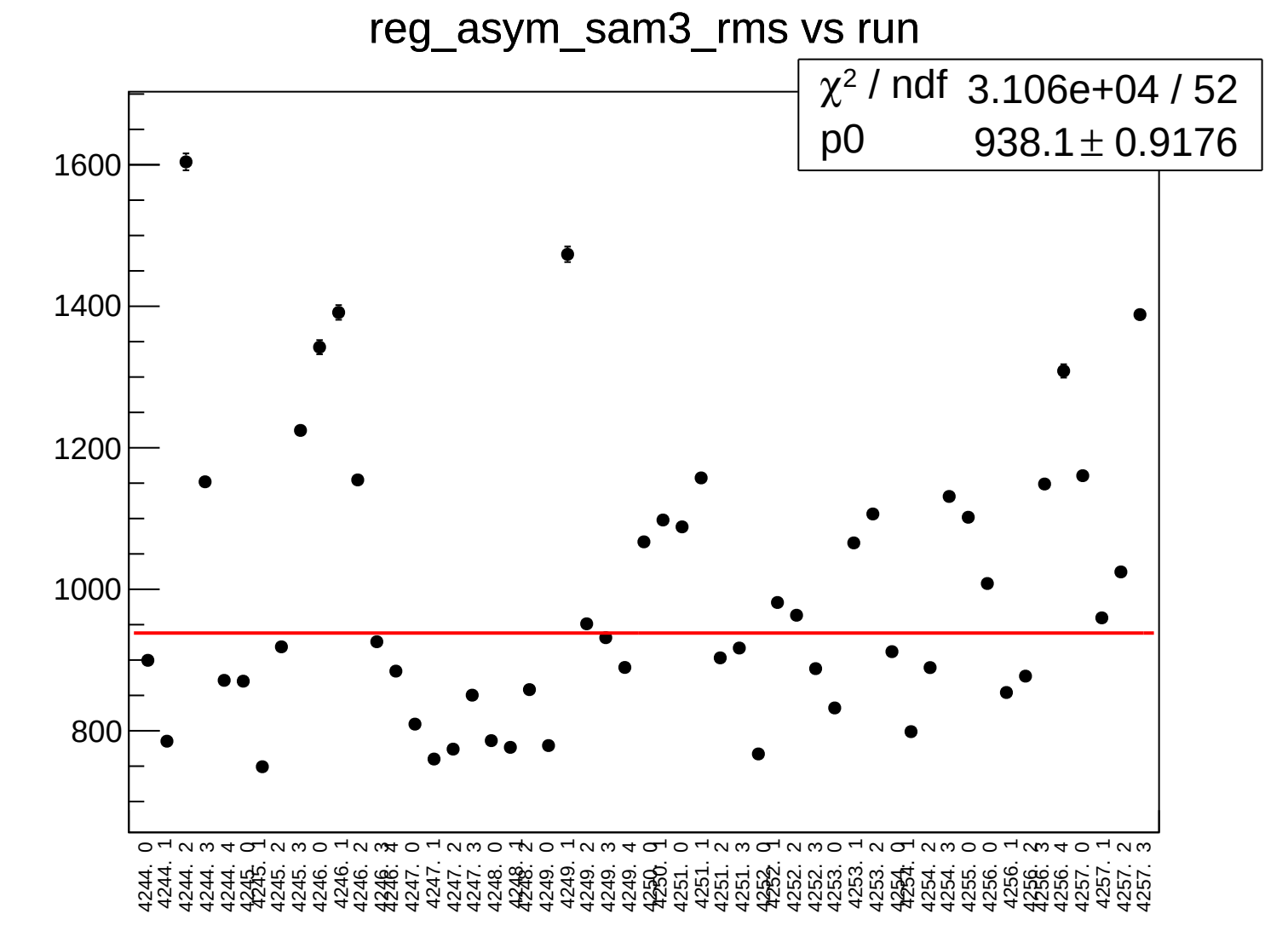

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 70.97 / 52
p0 −4113 ± 8098
200
100
0
−100
−200
pull
Entries 53
Mean −222.2
Std Dev 217.5
2
1
0
−1
−2

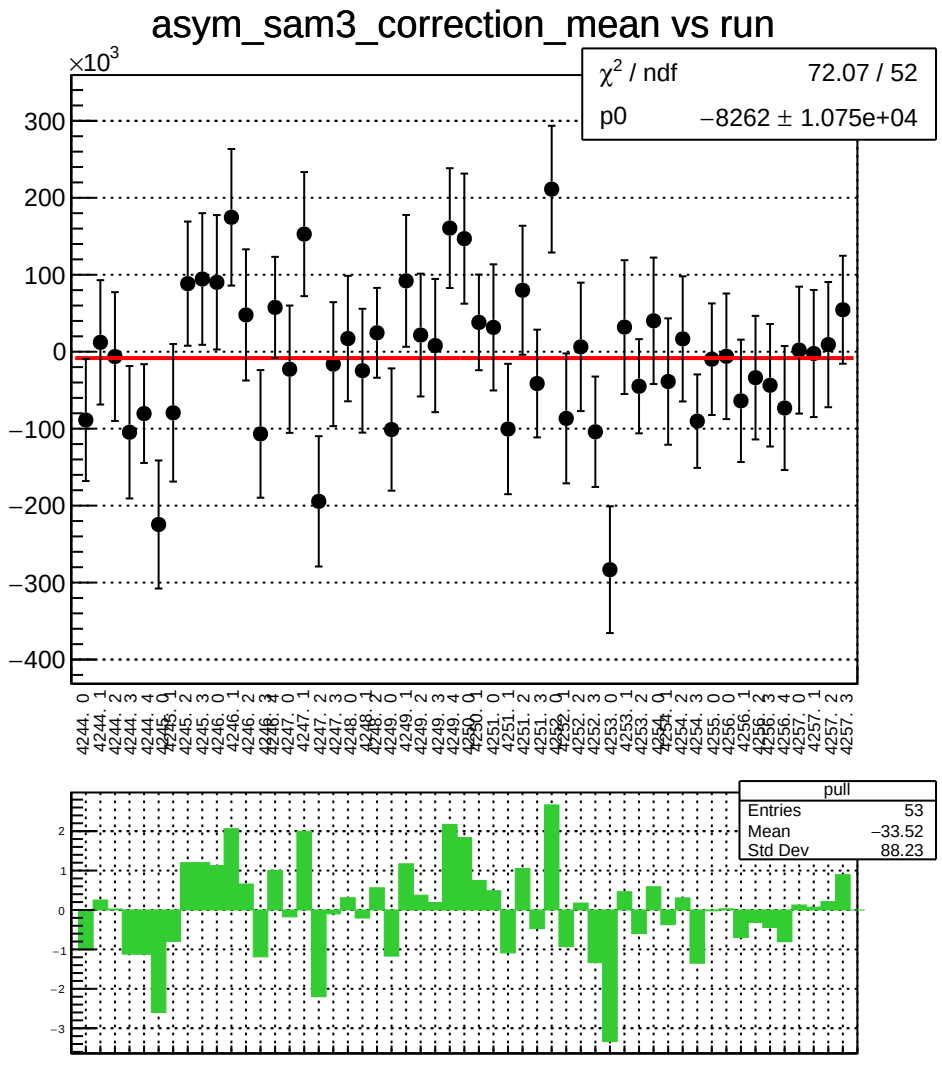

pull1D
Entries 53
Mean −0.003733
Std Dev 1.157
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

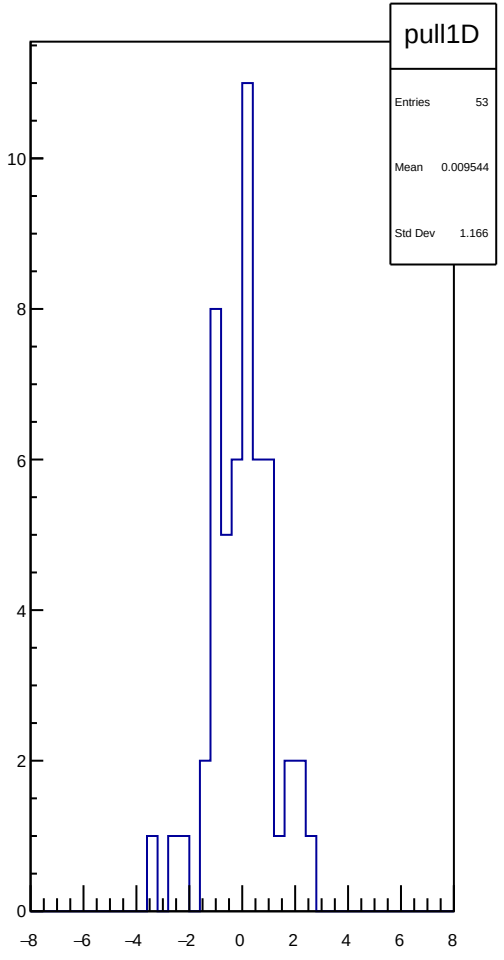

asym_sam2_correction_rms vs run
χ² / ndf 1423 / 52
p0 5937 ± 5.726
6800
6600
6400
6200
6000
5800
5600
5400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

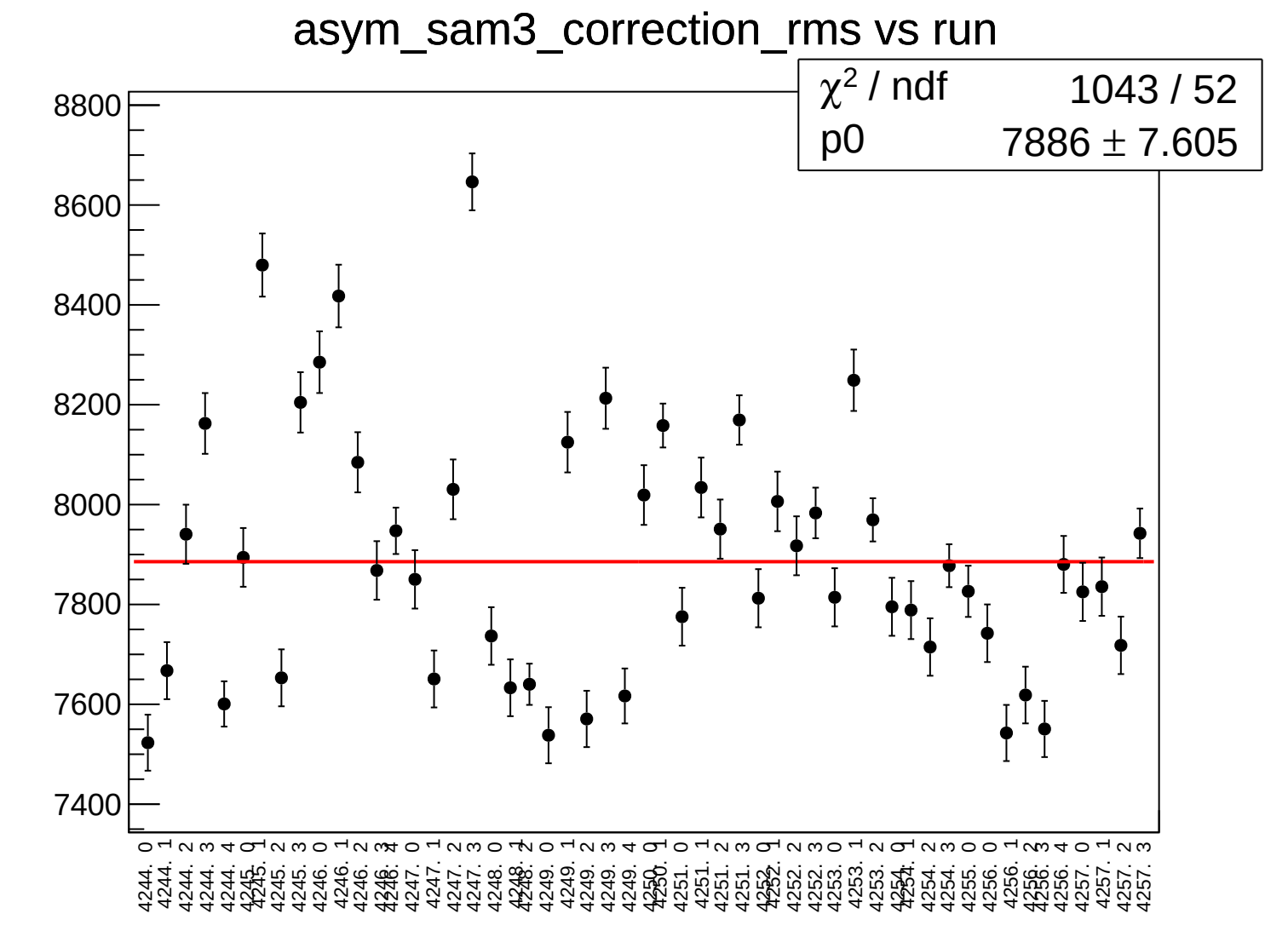

reg_asym_sam3_mean vs run
χ² / ndf 27.02 / 52
p0 754 ± 1298
pull
Entries 53
Mean −203.3
Std Dev 230

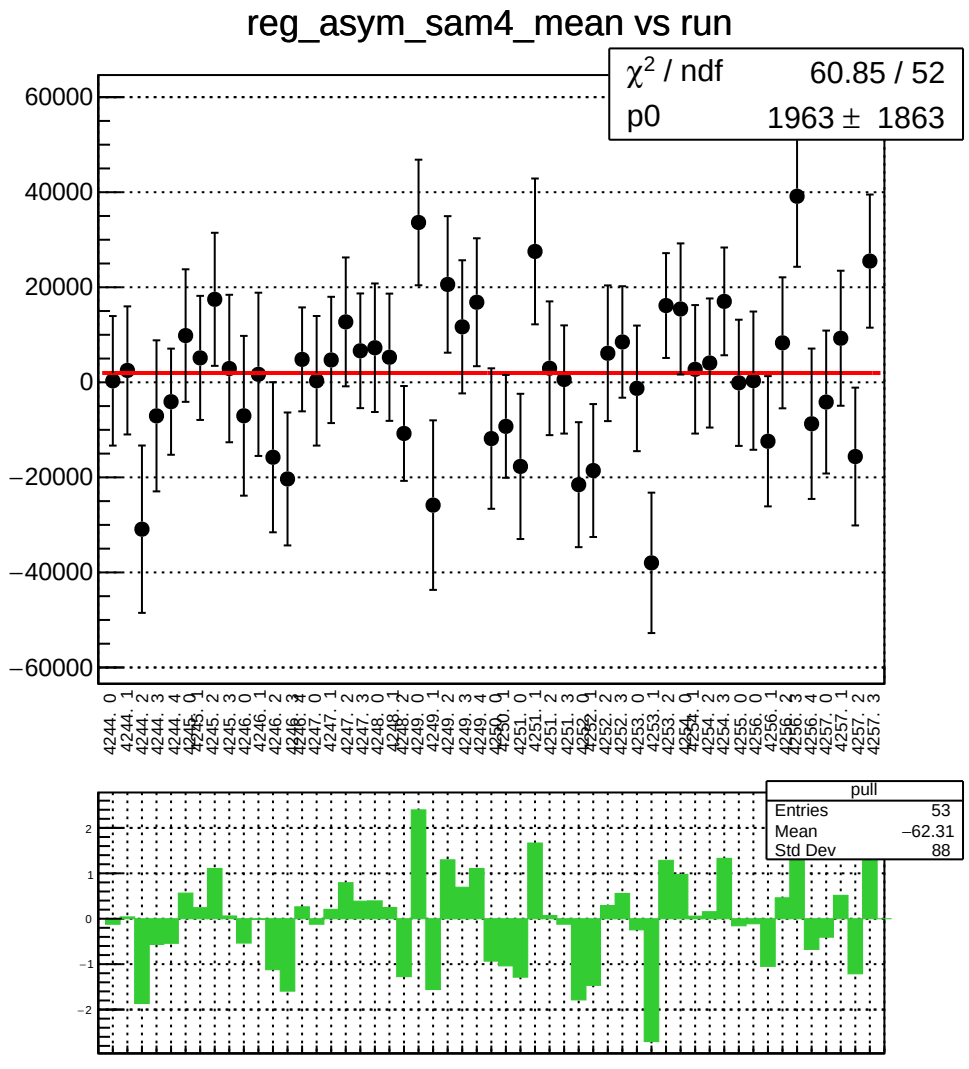

pull1D
Entries 53
Mean 0.006176
Std Dev 0.7139

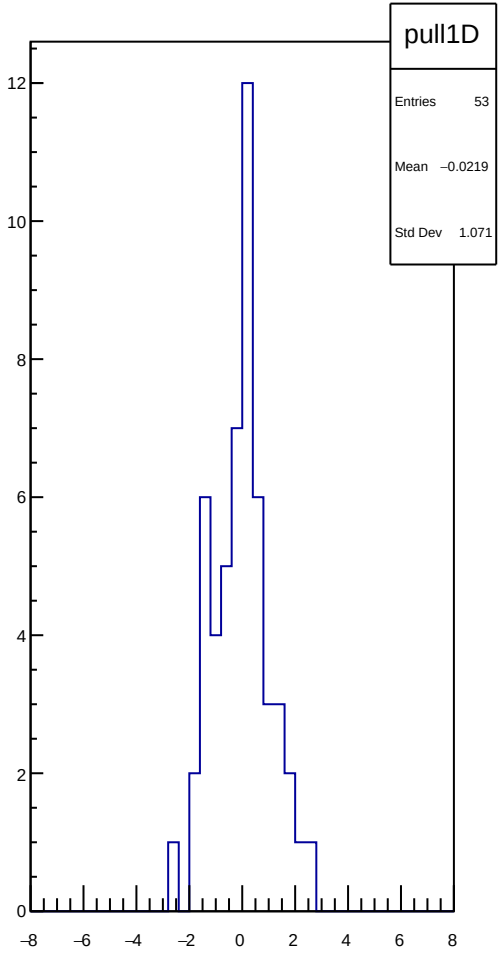

reg_asym_sam3_rms vs run
χ² / ndf 3.106e+04 / 52
p0 938.1 ± 0.9176
1600
1400
1200
1000
800
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

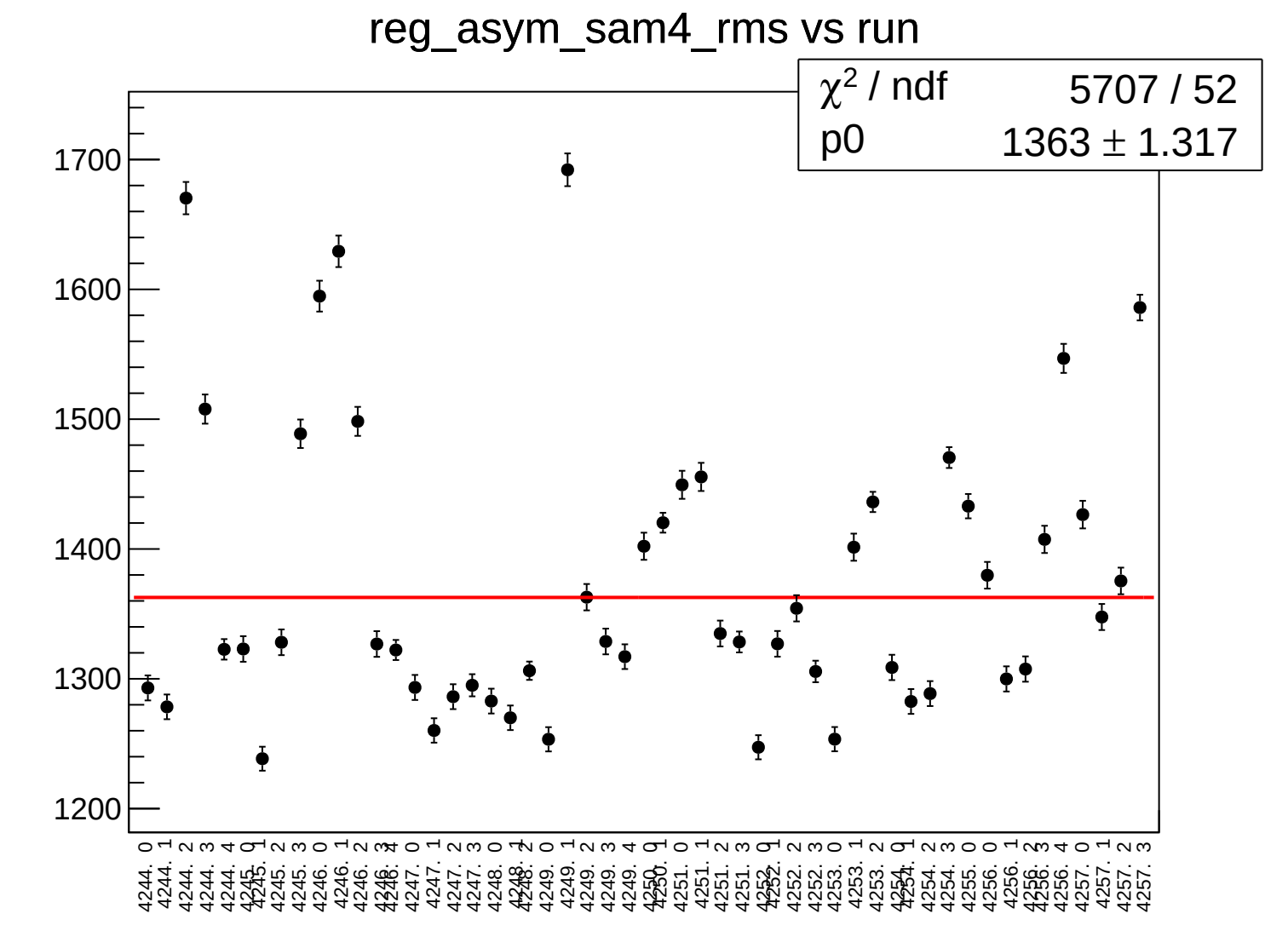

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 72.07 / 52
p0 −8262 ± 1.075e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 53
Mean −33.52
Std Dev 88.23
2
1
0
−1
−2
−3

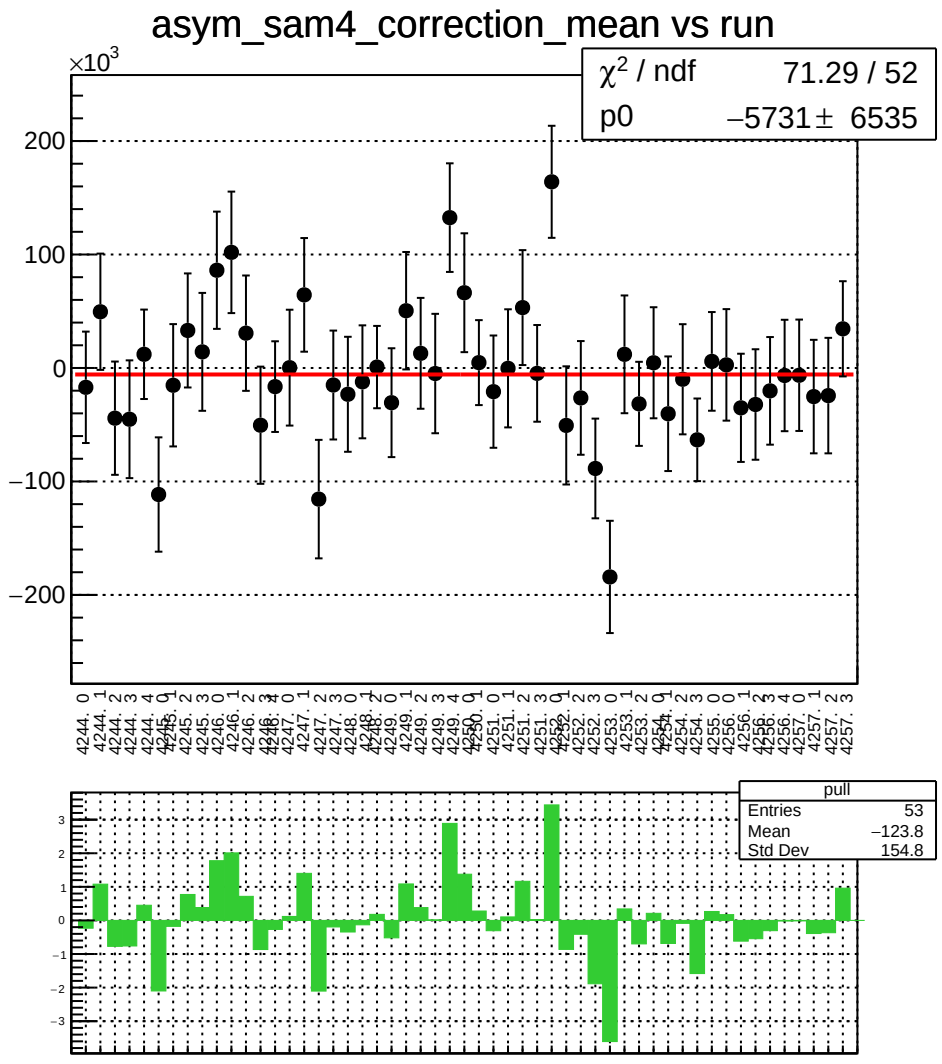

pull1D
Entries 53
Mean 0.009544
Std Dev 1.166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

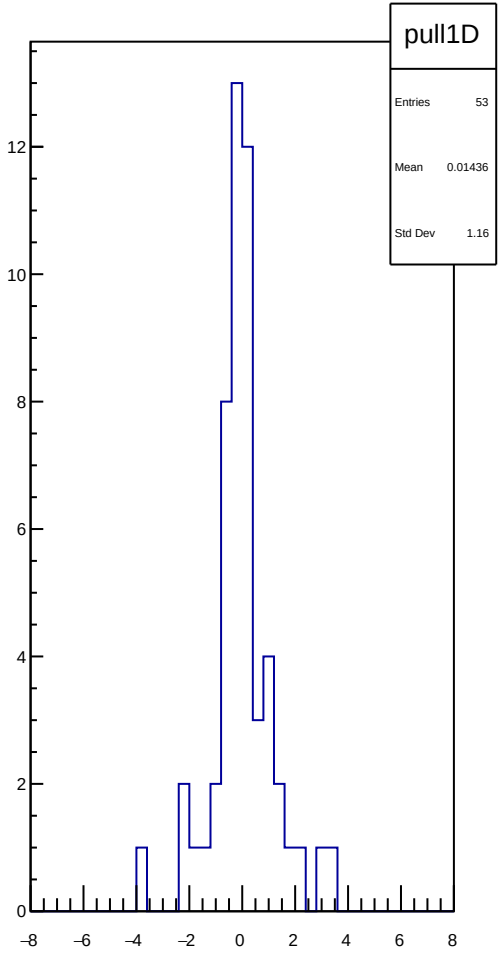

asym_sam3_correction_rms vs run
χ² / ndf 1043 / 52
p0 7886 ± 7.605
8800
8600
8400
8200
8000
7800
7600
7400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

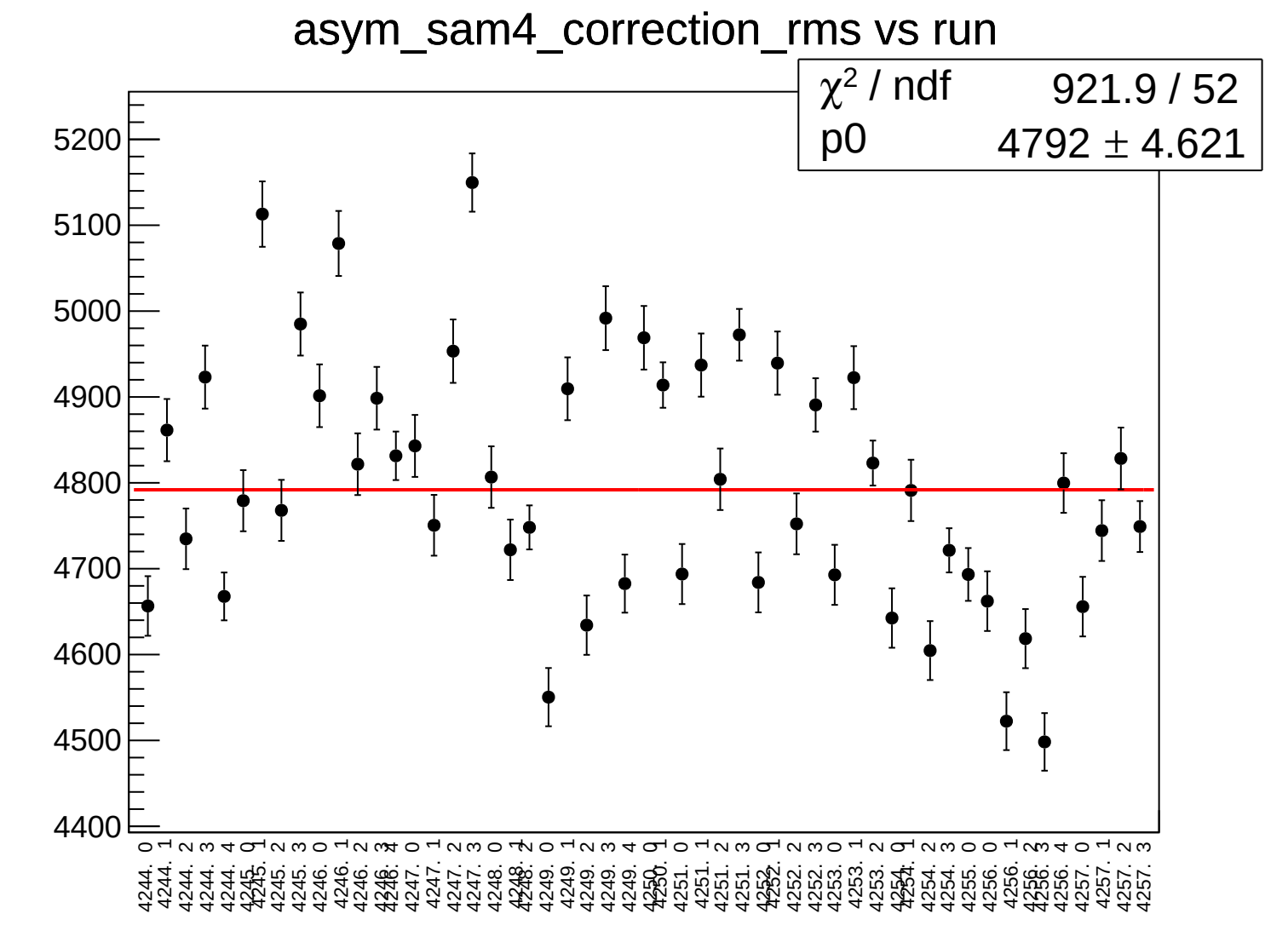

reg_asym_sam4_mean vs run
χ² / ndf 60.85 / 52
p0 1963 ± 1863
pull
Entries 53
Mean −62.31
Std Dev 88

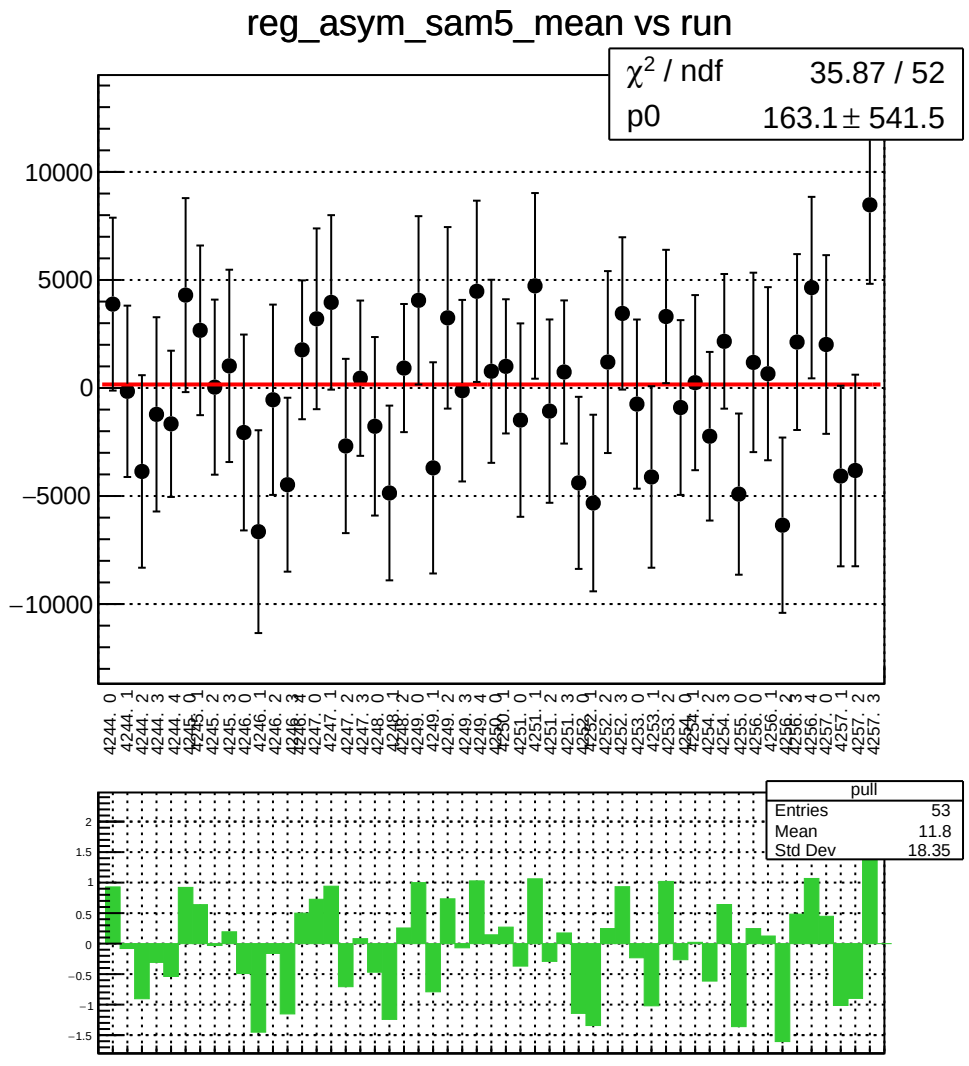

pull1D
Entries 53
Mean −0.0219
Std Dev 1.071

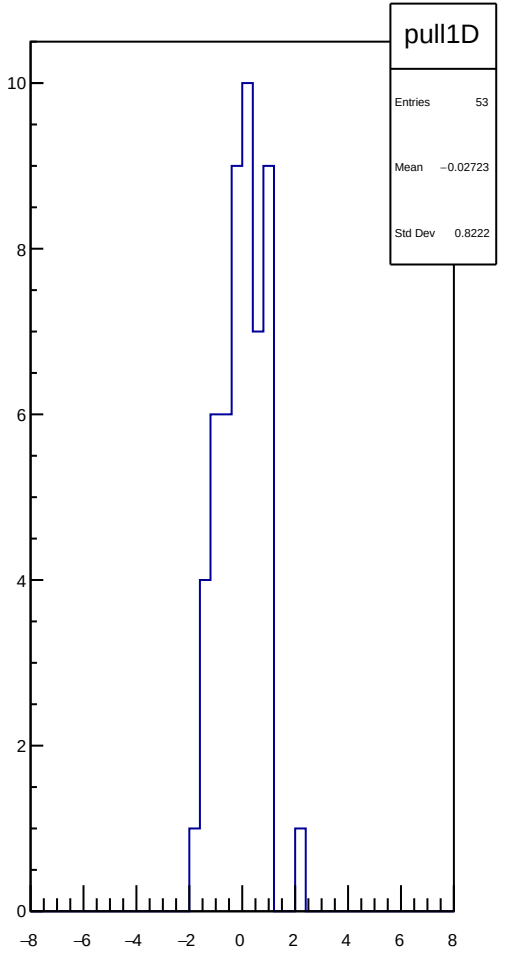

reg_asym_sam4_rms vs run
χ² / ndf 5707 / 52
p0 1363 ± 1.317
1700
1600
1500
1400
1300
1200

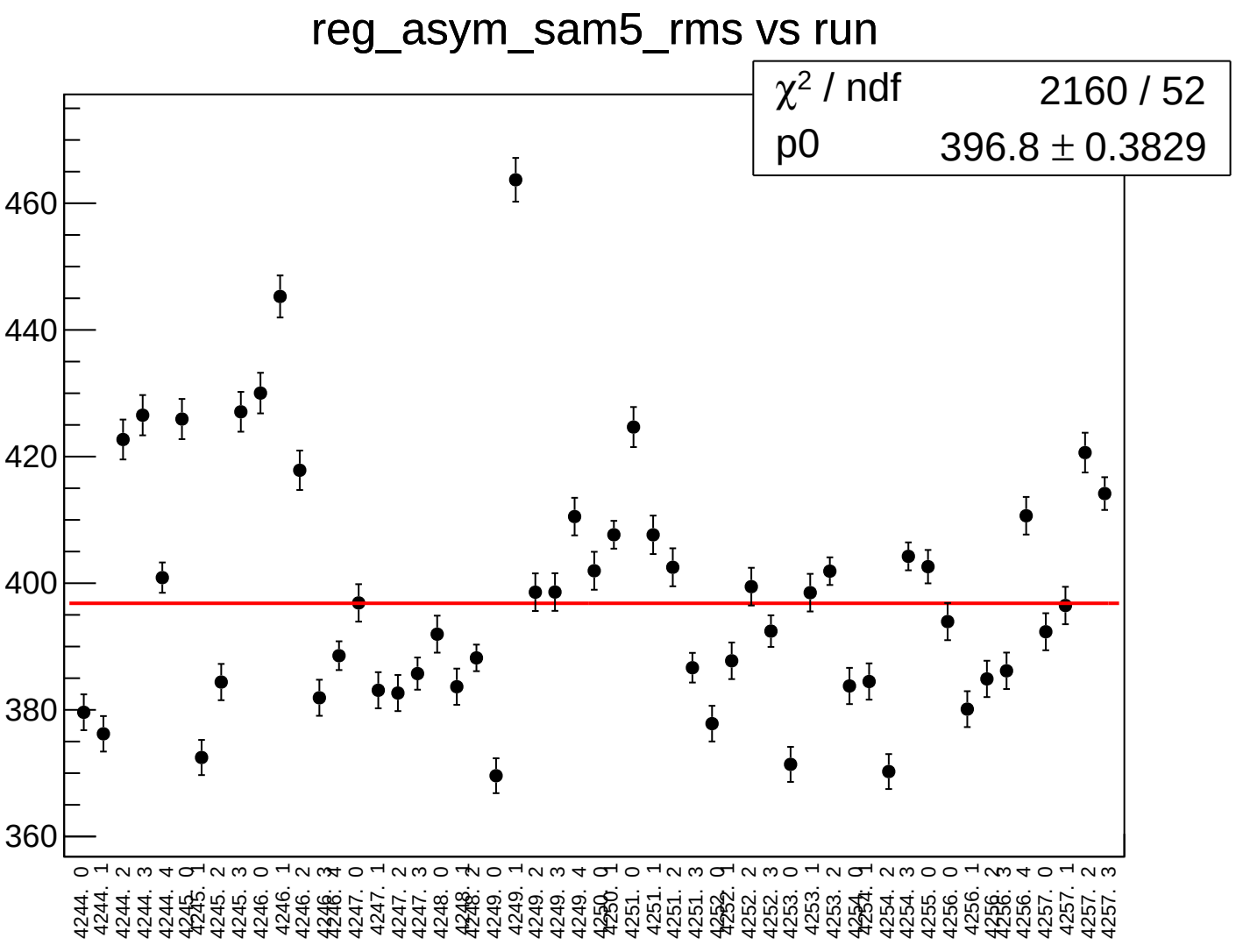

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 71.29 / 52
p0 −5731 ± 6535
200
100
0
−100
−200
pull
Entries 53
Mean −123.8
Std Dev 154.8
3
2
1
0
−1
−2
−3

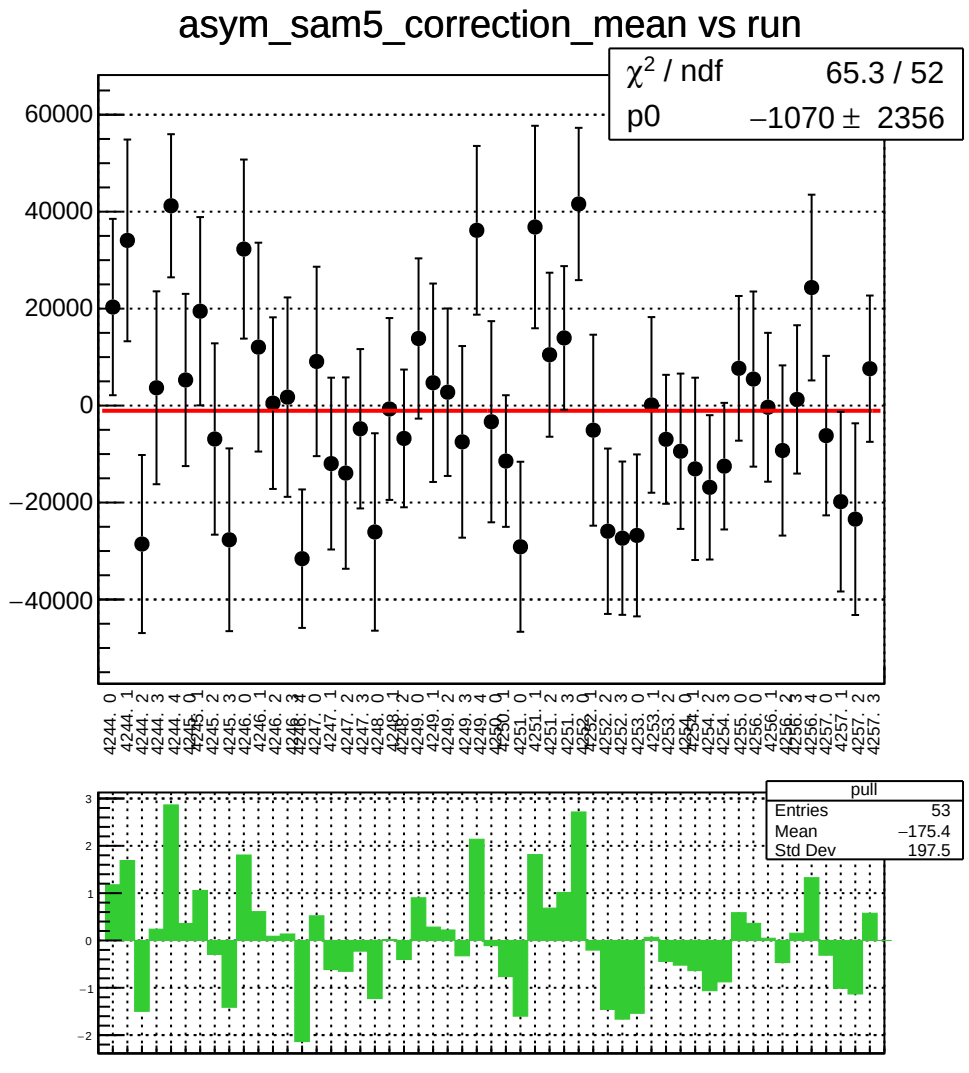

pull1D
Entries 53
Mean 0.01436
Std Dev 1.16
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

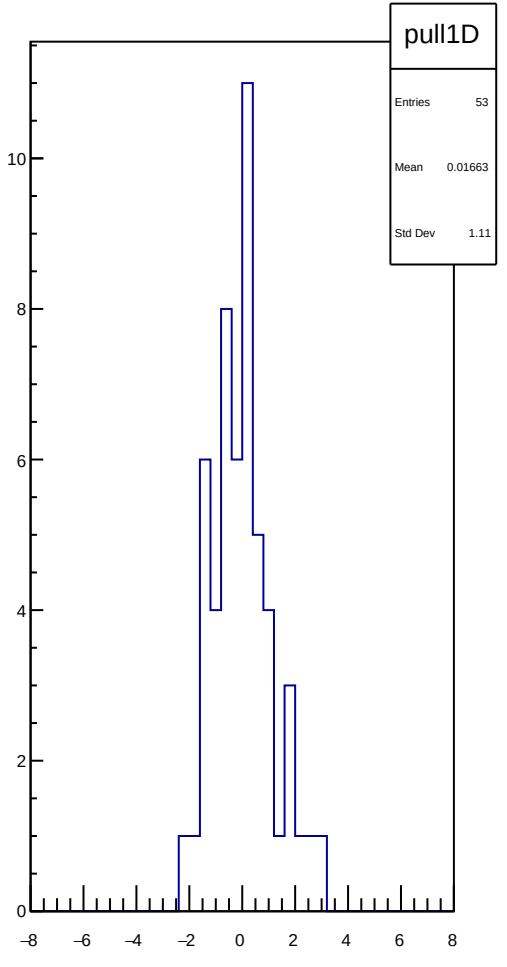

asym_sam4_correction_rms vs run
χ² / ndf 921.9 / 52
p0 4792 ± 4.621
5200
5100
5000
4900
4800
4700
4600
4500
4400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

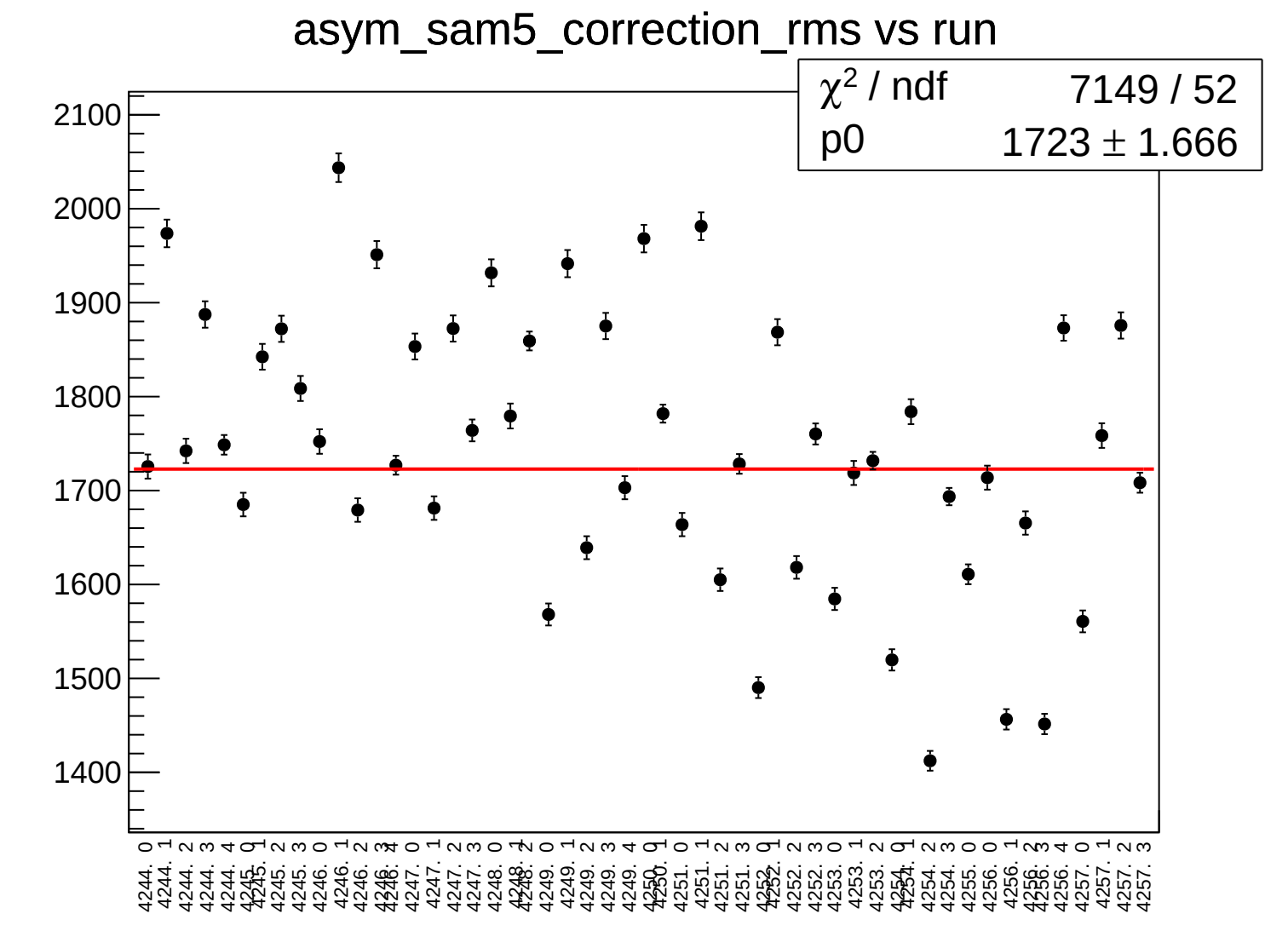

reg_asym_sam5_mean vs run
χ² / ndf 35.87 / 52
p0 163.1 ± 541.5
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 11.8
Std Dev 18.35
2
1.5
1
0.5
0
−0.5
−1
−1.5

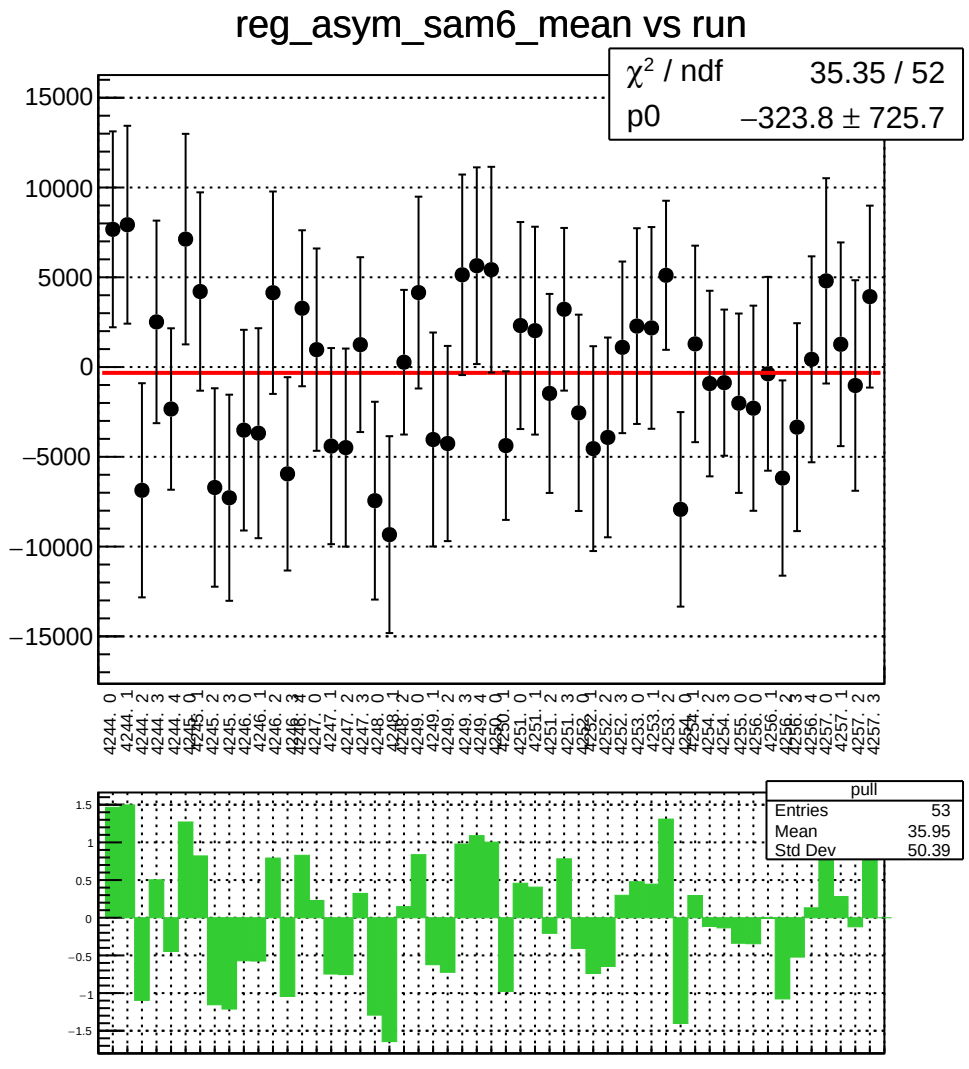

pull1D
Entries 53
Mean −0.02723
Std Dev 0.8222
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

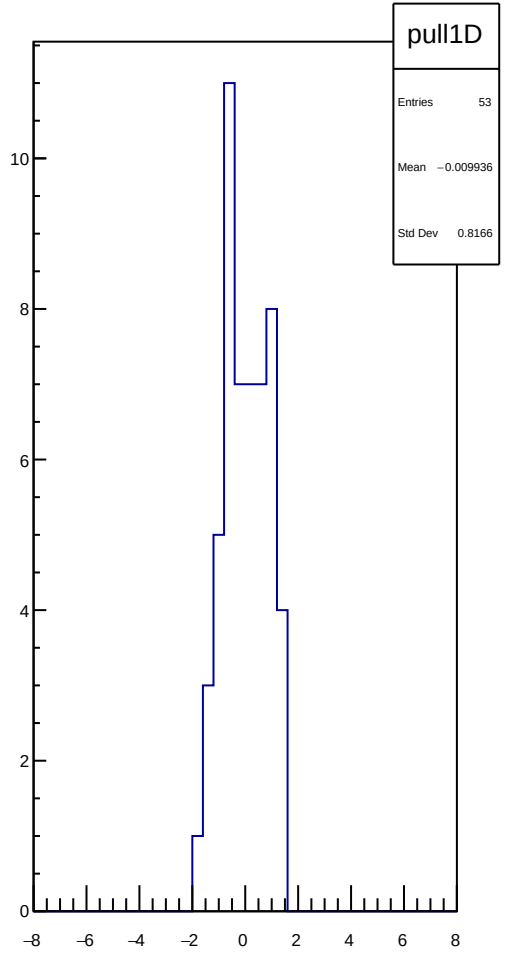

reg_asym_sam5_rms vs run
χ² / ndf 2160 / 52
p0 396.8 ± 0.3829
460
440
420
400
380
360
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

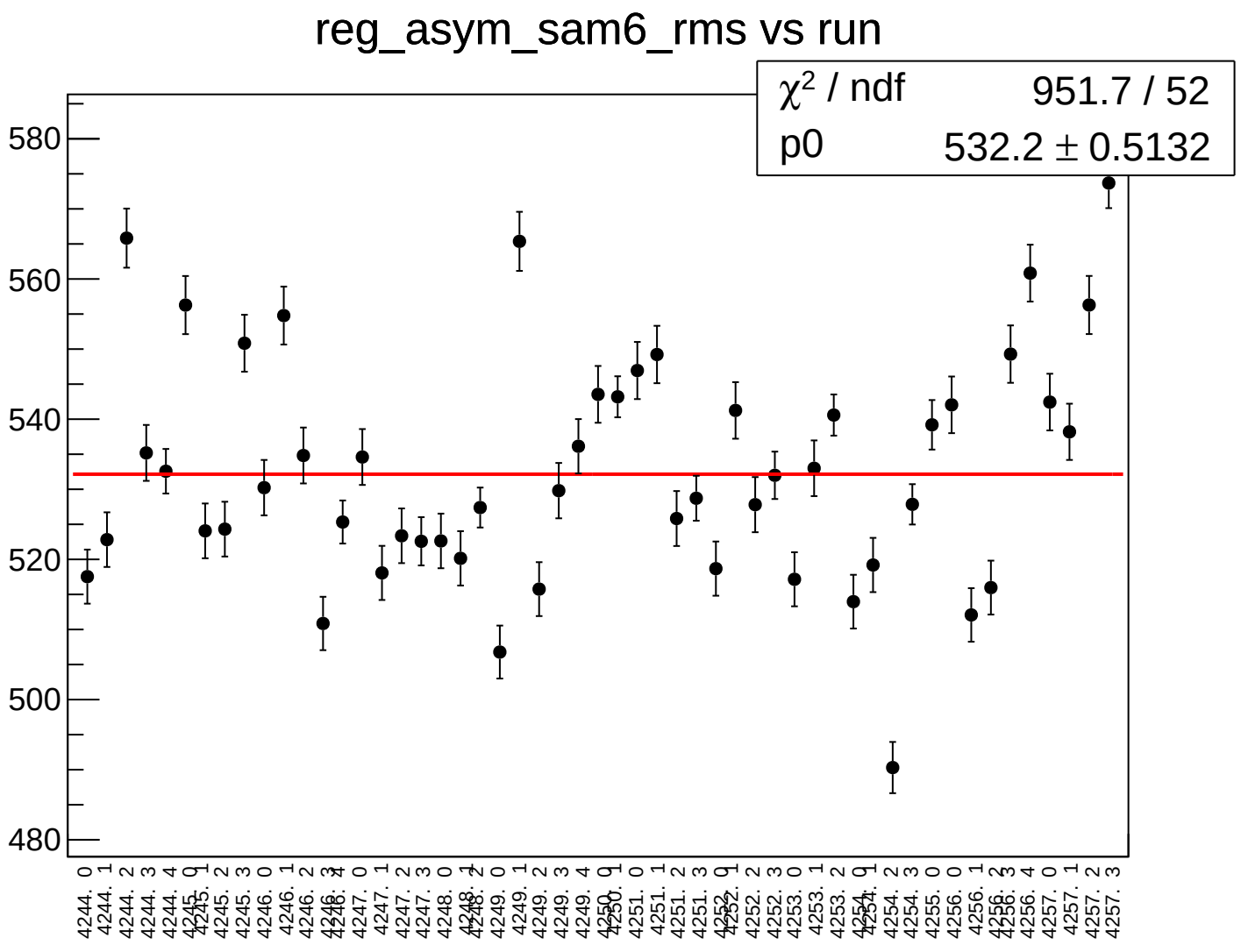

asym_sam5_correction_mean vs run
χ² / ndf 65.3 / 52
p0 −1070 ± 2356
60000
40000
20000
0
−20000
−40000
pull
Entries 53
Mean −175.4
Std Dev 197.5
3
2
1
0
−1
−2

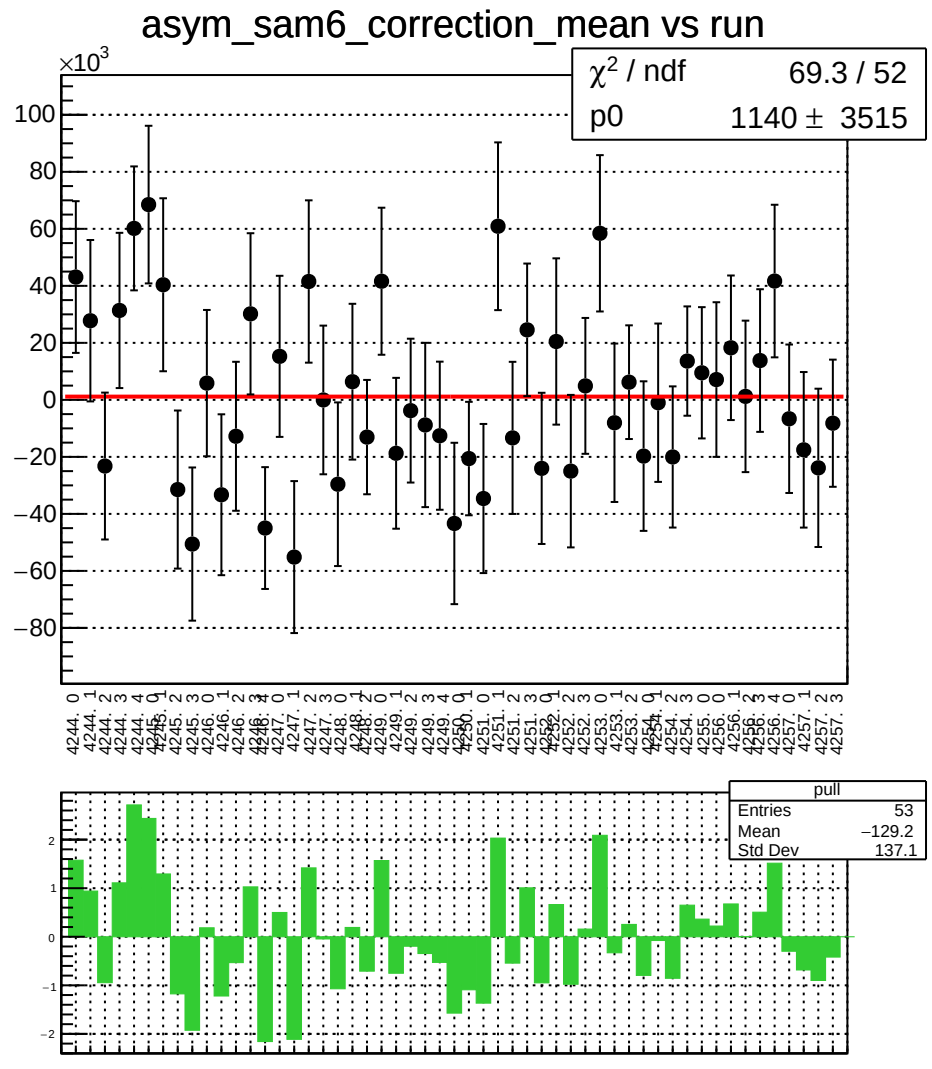

pull1D
Entries 53
Mean 0.01663
Std Dev 1.11
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

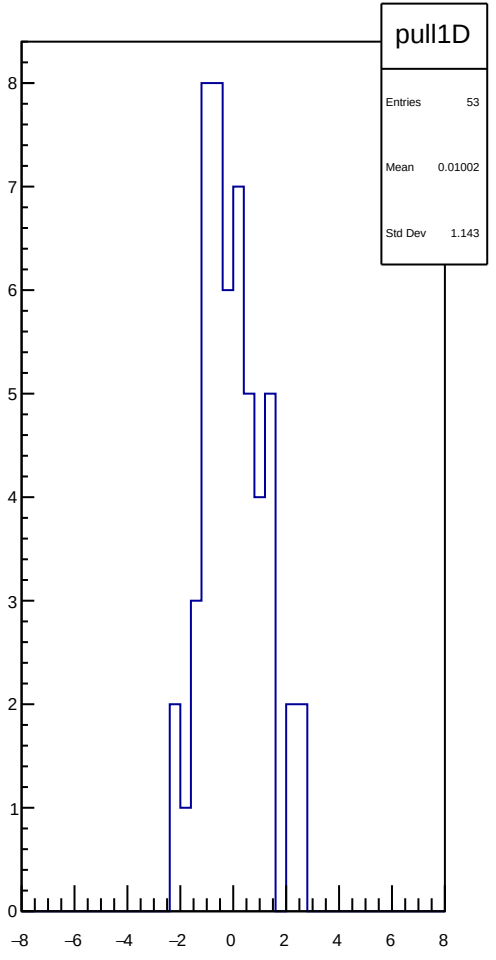

asym_sam5_correction_rms vs run
χ² / ndf 7149 / 52
p0 1723 ± 1.666
2100
2000
1900
1800
1700
1600
1500
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

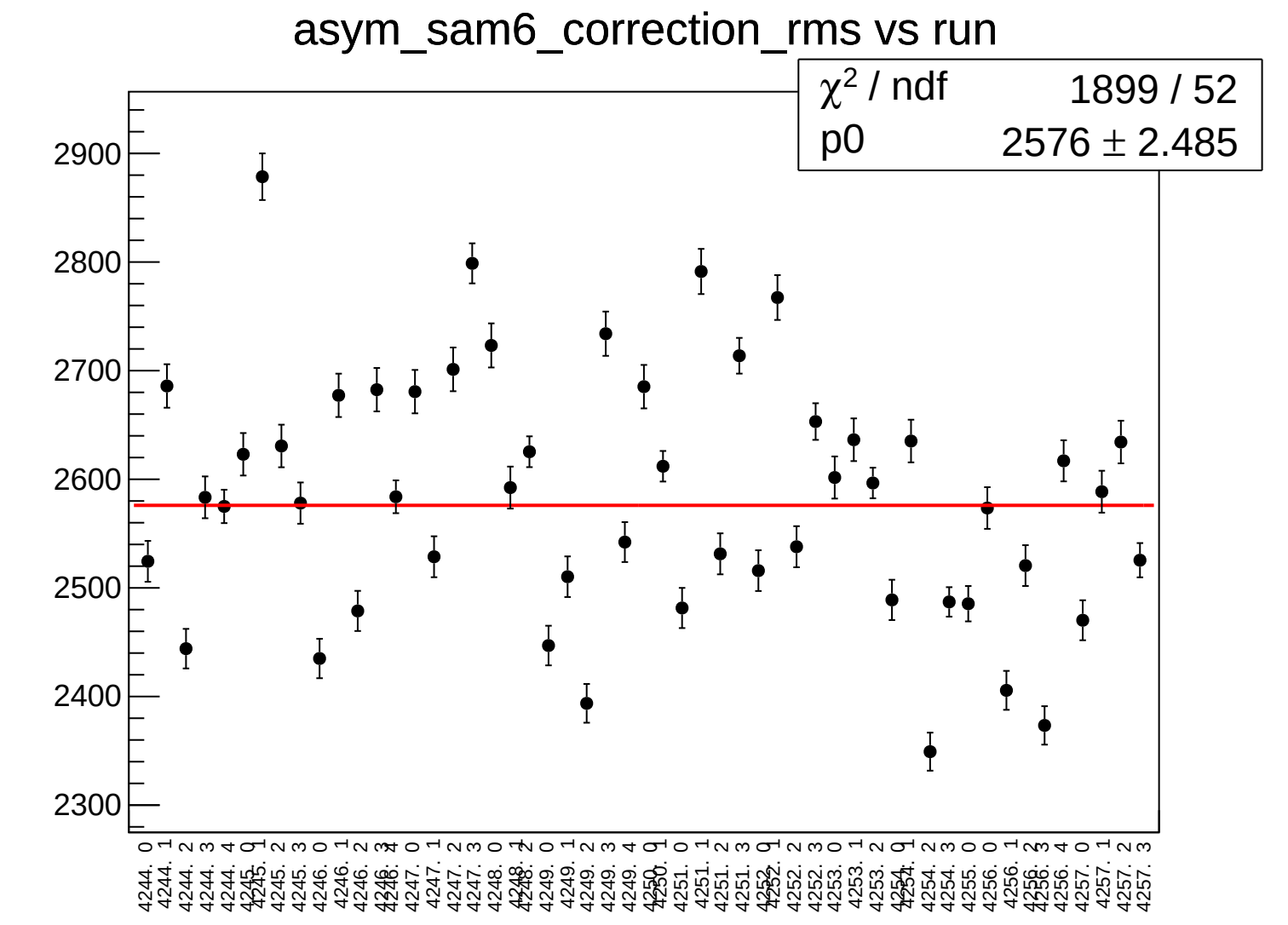

reg_asym_sam6_mean vs run
χ² / ndf 35.35 / 52
p0 −323.8 ± 725.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean 35.95
Std Dev 50.39
1.5
1
0.5
0
−0.5
−1
−1.5

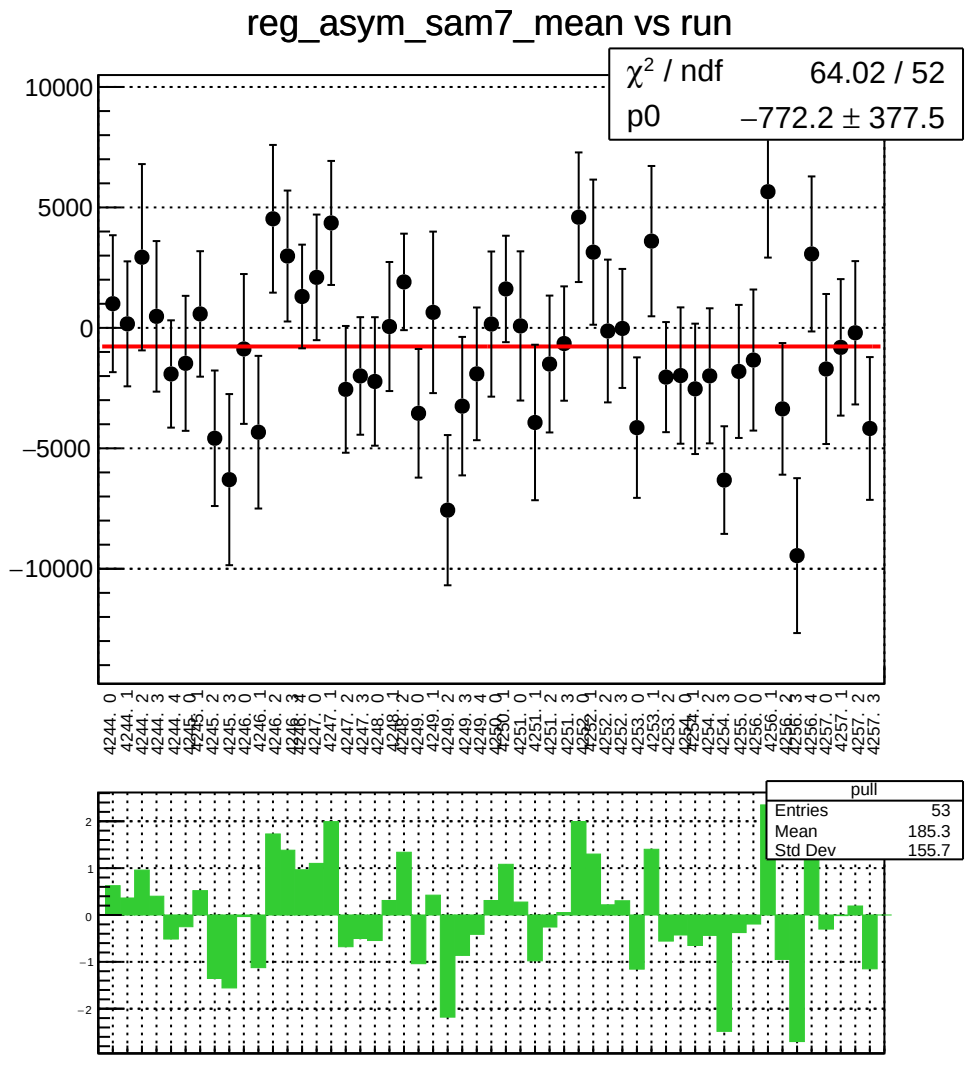

pull1D
Entries 53
Mean −0.009936
Std Dev 0.8166
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

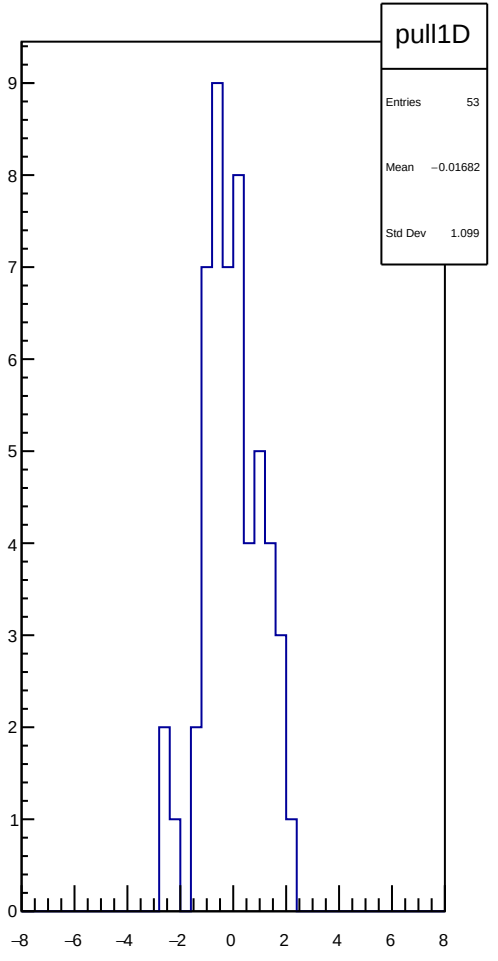

reg_asym_sam6_rms vs run
χ² / ndf 951.7 / 52
p0 532.2 ± 0.5132
580
560
540
520
500
480
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

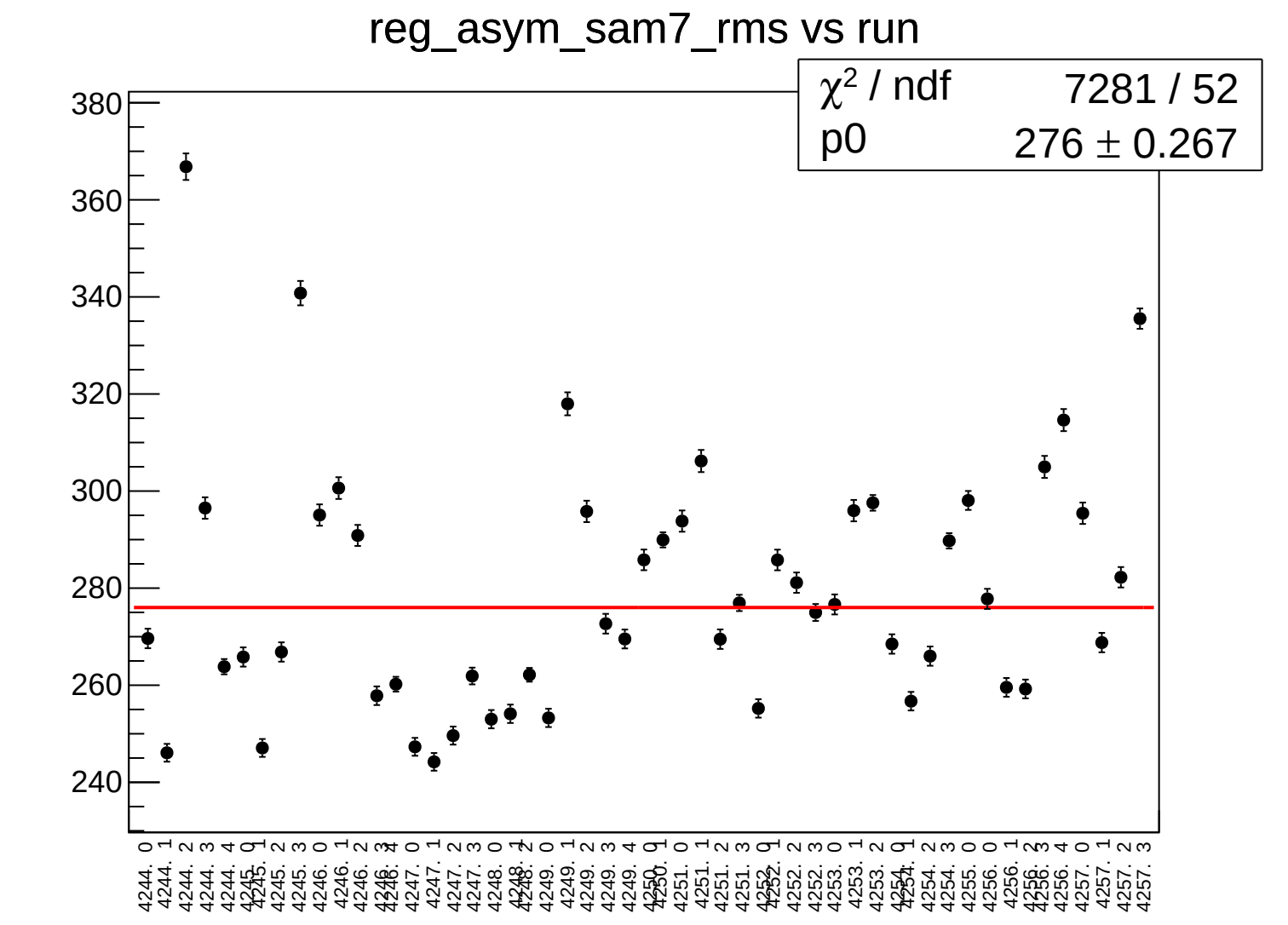

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 69.3 / 52
p0 1140 ± 3515
pull
Entries 53
Mean −129.2
Std Dev 137.1

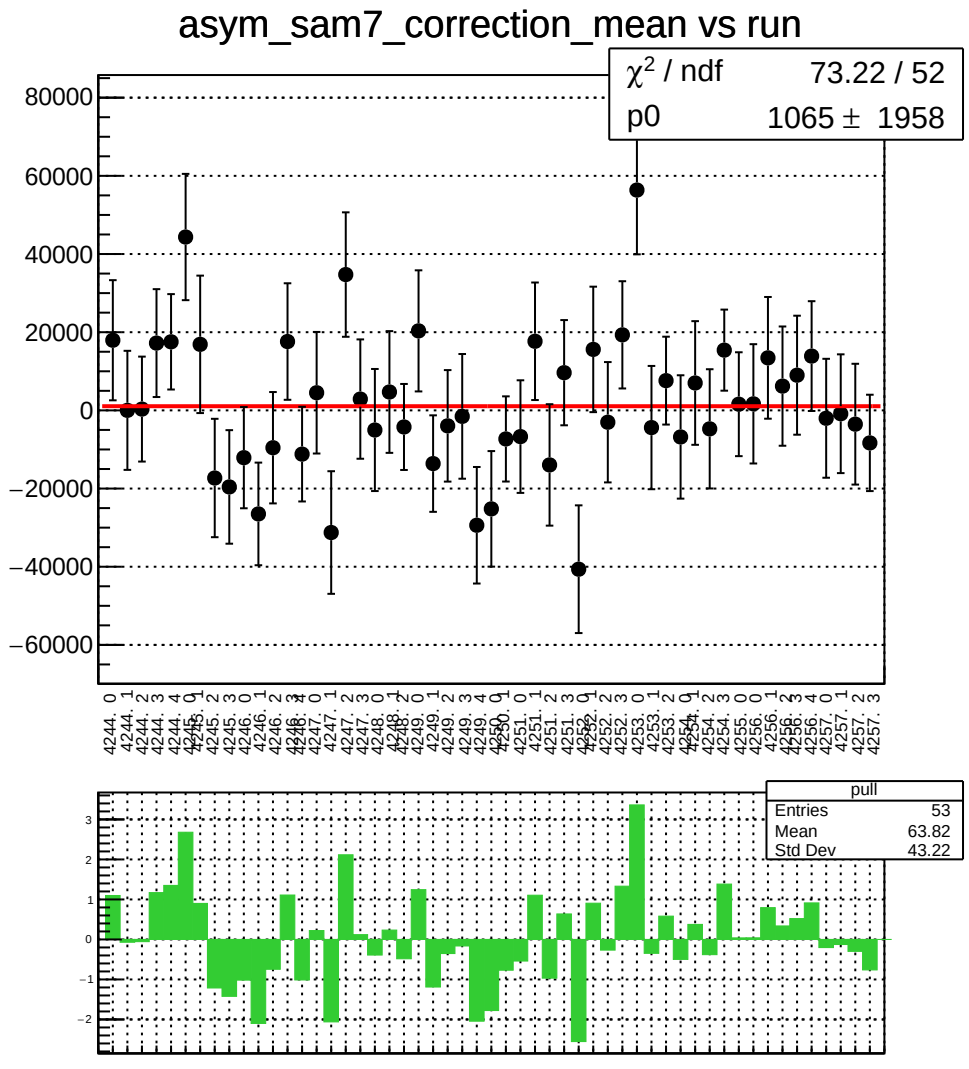

pull1D
Entries 53
Mean 0.01002
Std Dev 1.143

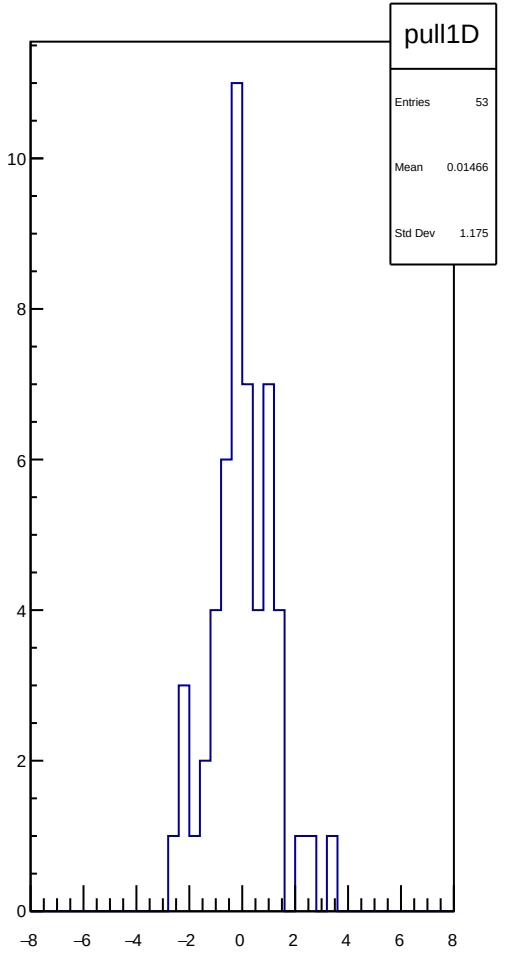

asym_sam6_correction_rms vs run
χ² / ndf 1899 / 52
p0 2576 ± 2.485
2900
2800
2700
2600
2500
2400
2300
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

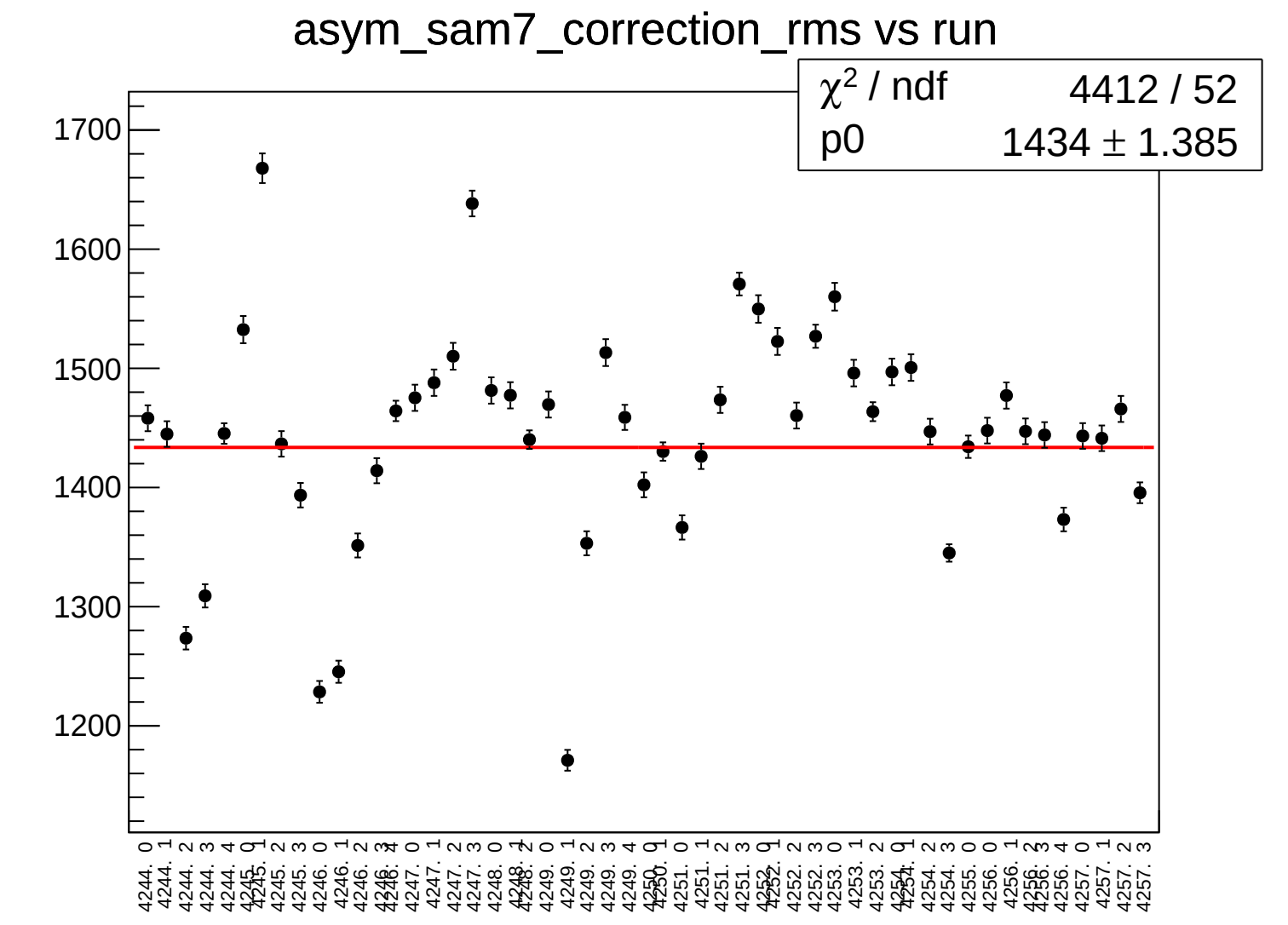

reg_asym_sam7_mean vs run
χ² / ndf 64.02 / 52
p0 −772.2 ± 377.5
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 185.3
Std Dev 155.7
2
1
0
−1
−2


pull1D
Entries 53
Mean −0.01682
Std Dev 1.099
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 7281 / 52
p0 276 ± 0.267
380
360
340
320
300
280
260
240
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_sam7_correction_mean vs run
χ² / ndf 73.22 / 52
p0 1065 ± 1958
pull
Entries 53
Mean 63.82
Std Dev 43.22


pull1D
Entries 53
Mean 0.01466
Std Dev 1.175


asym_sam7_correction_rms vs run
χ² / ndf 4412 / 52
p0 1434 ± 1.385
1700
1600
1500
1400
1300
1200
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
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4252. 3
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4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
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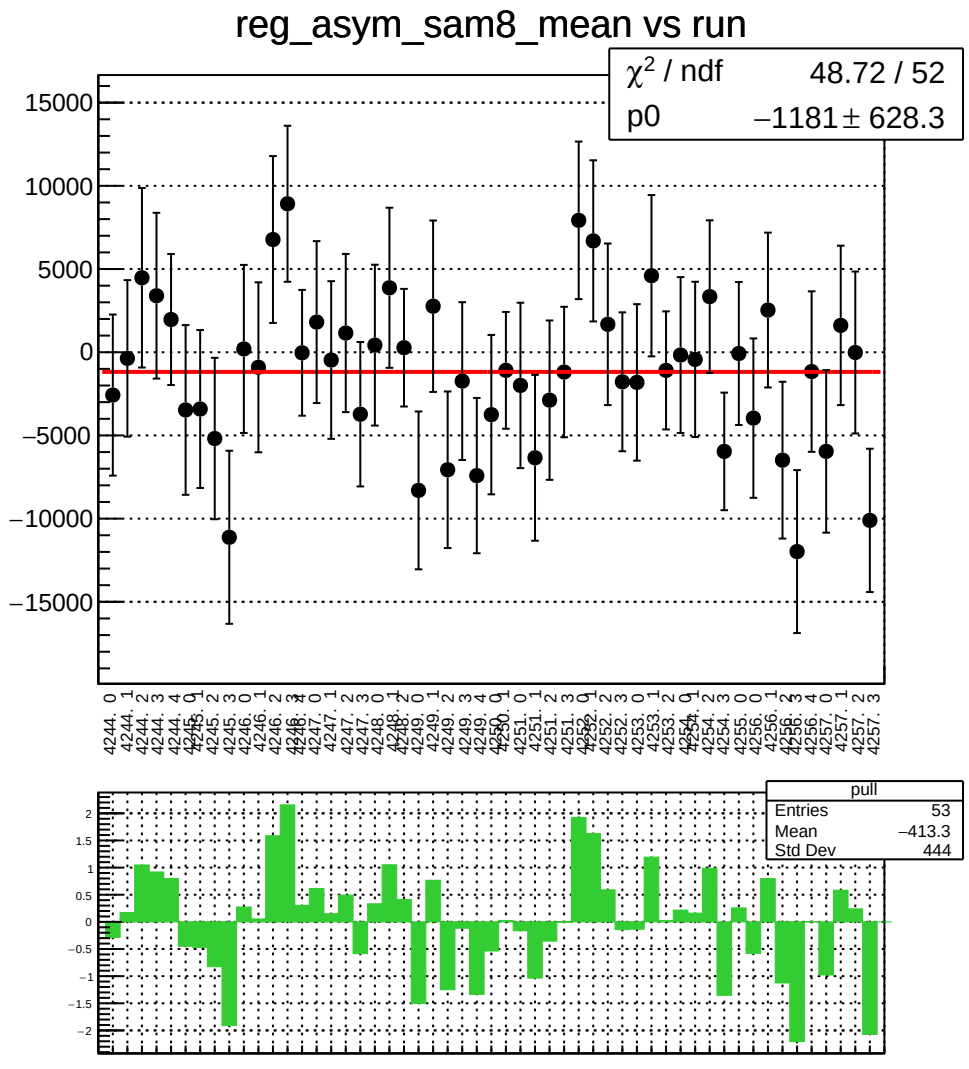
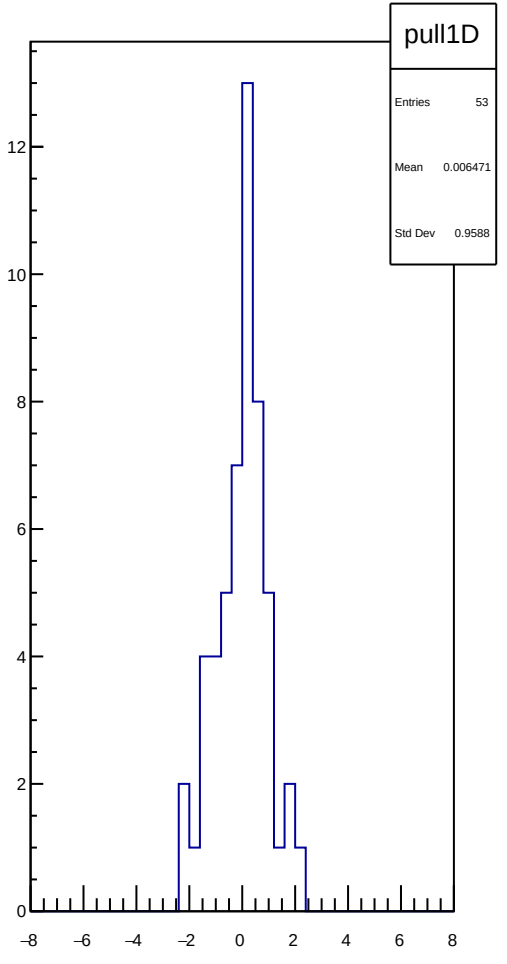
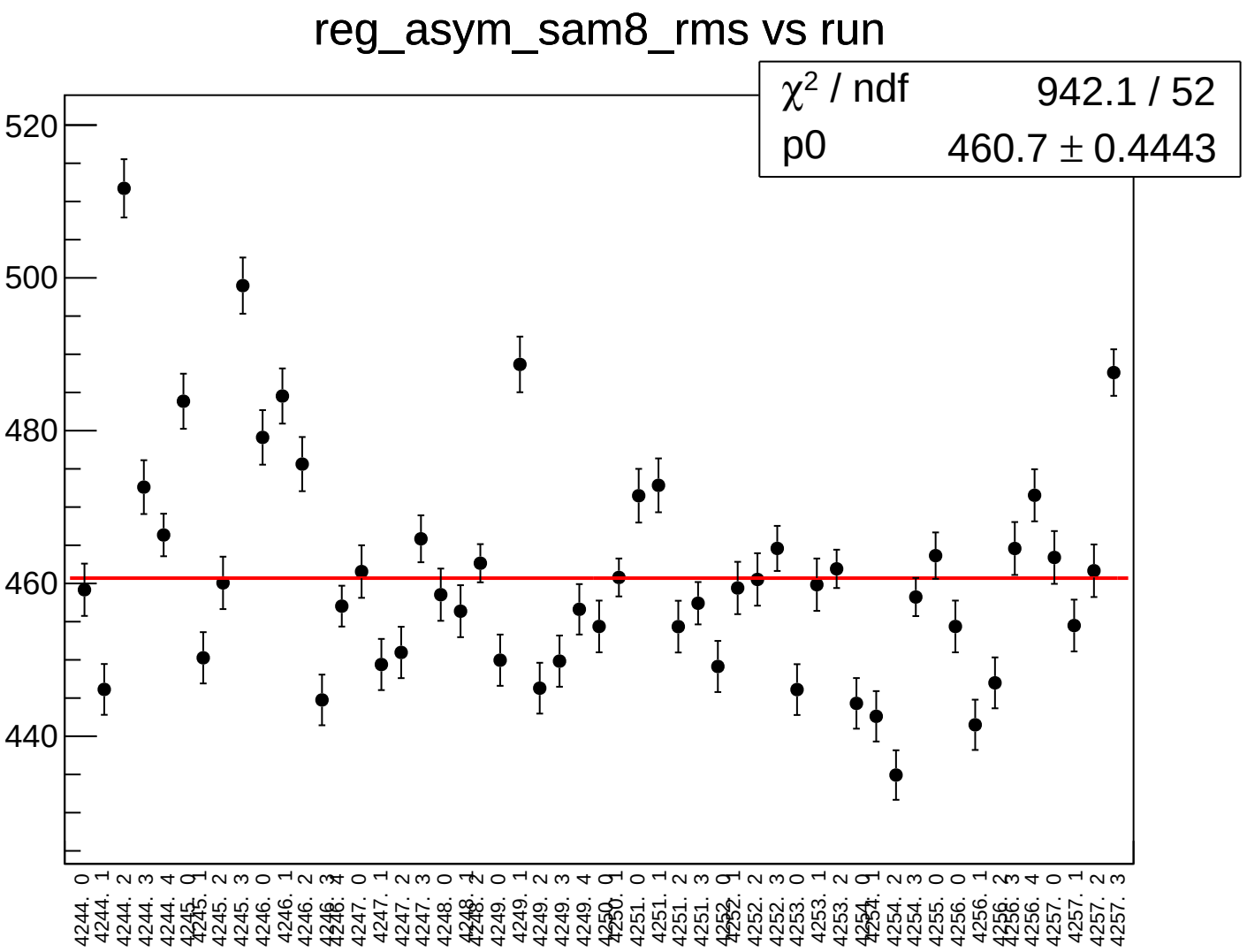
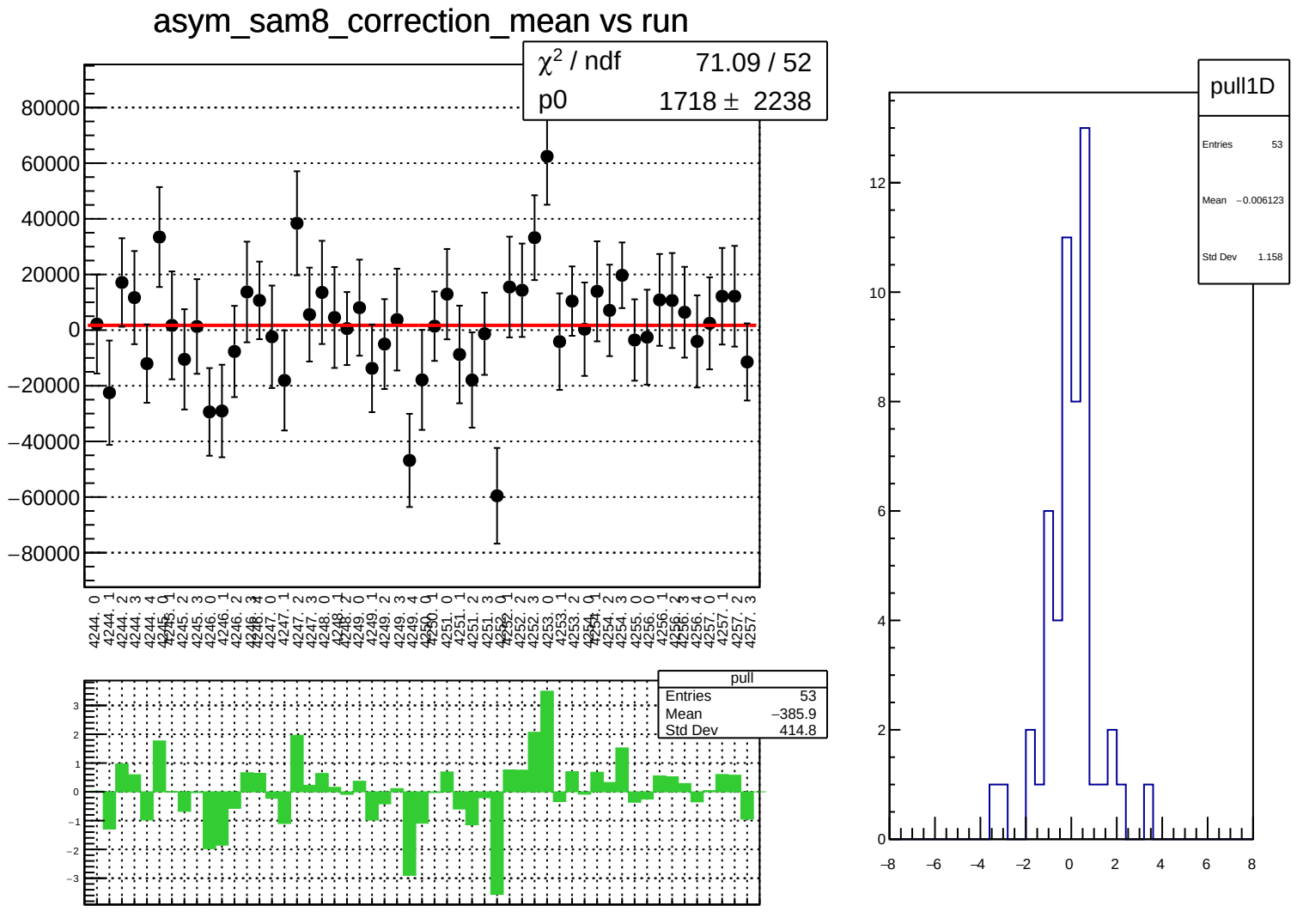
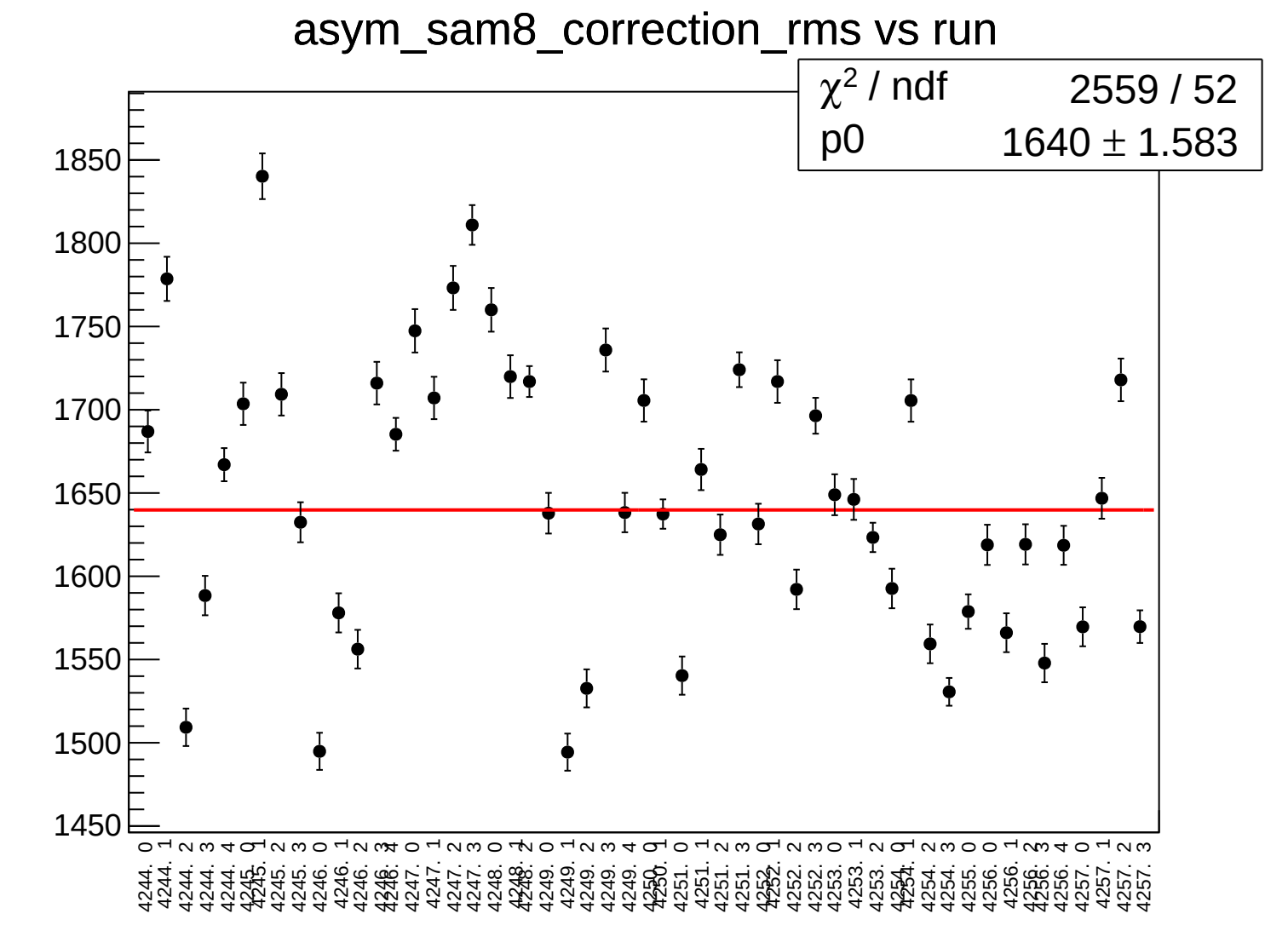
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


reg_asym_sam8_mean vs run
χ² / ndf 48.72 / 52
p0 −1181 ± 628.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −413.3
Std Dev 444
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 53
Mean 0.006471
Std Dev 0.9588
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam8_rms vs run
χ² / ndf 942.1 / 52
p0 460.7 ± 0.4443
520
500
480
460
440
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3


asym_sam8_correction_mean vs run
χ² / ndf 71.09 / 52
p0 1718 ± 2238
pull
Entries 53
Mean −385.9
Std Dev 414.8
pull1D
Entries 53
Mean −0.006123
Std Dev 1.158


asym_sam8_correction_rms vs run
χ² / ndf 2559 / 52
p0 1640 ± 1.583
1850
1800
1750
1700
1650
1600
1550
1500
1450
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
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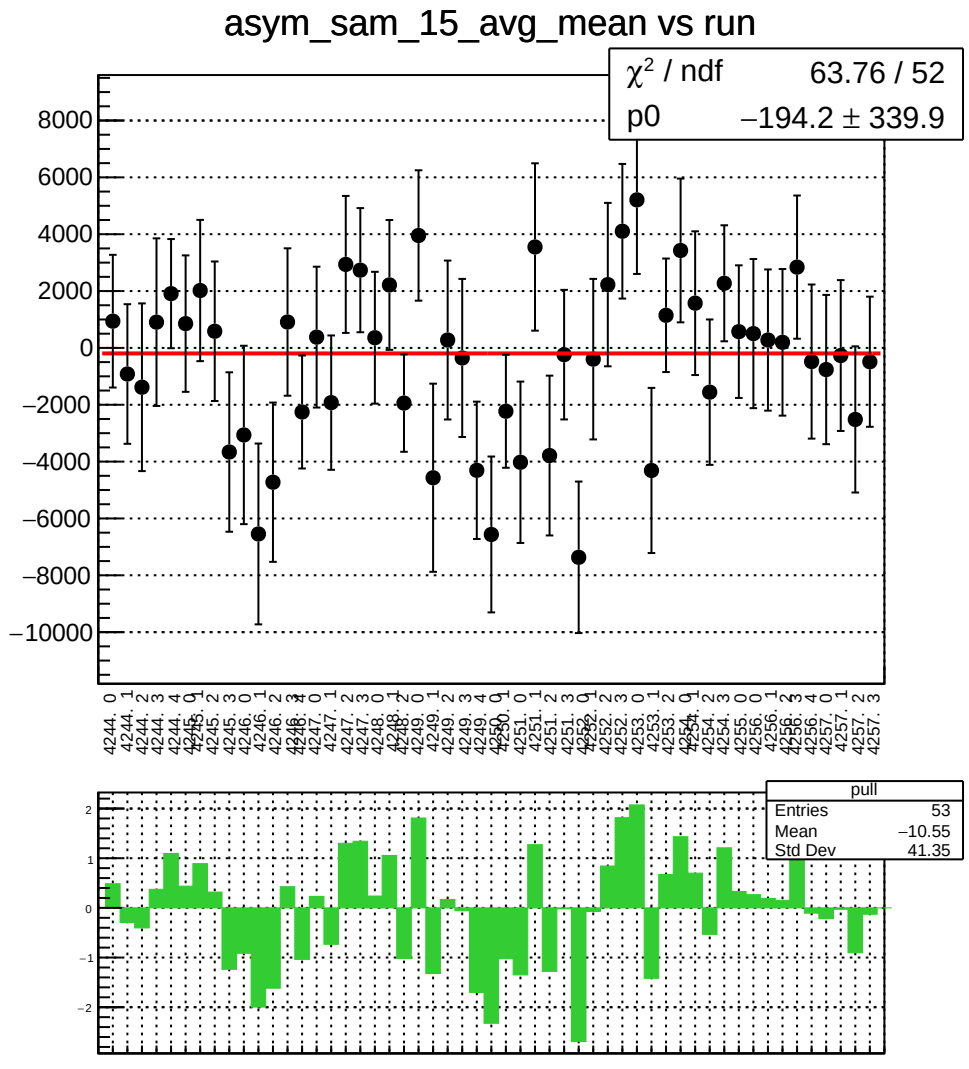
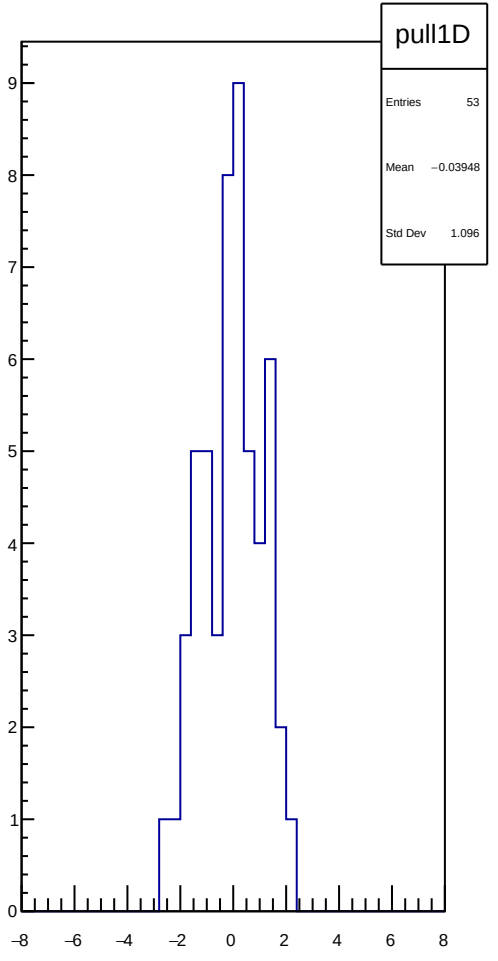
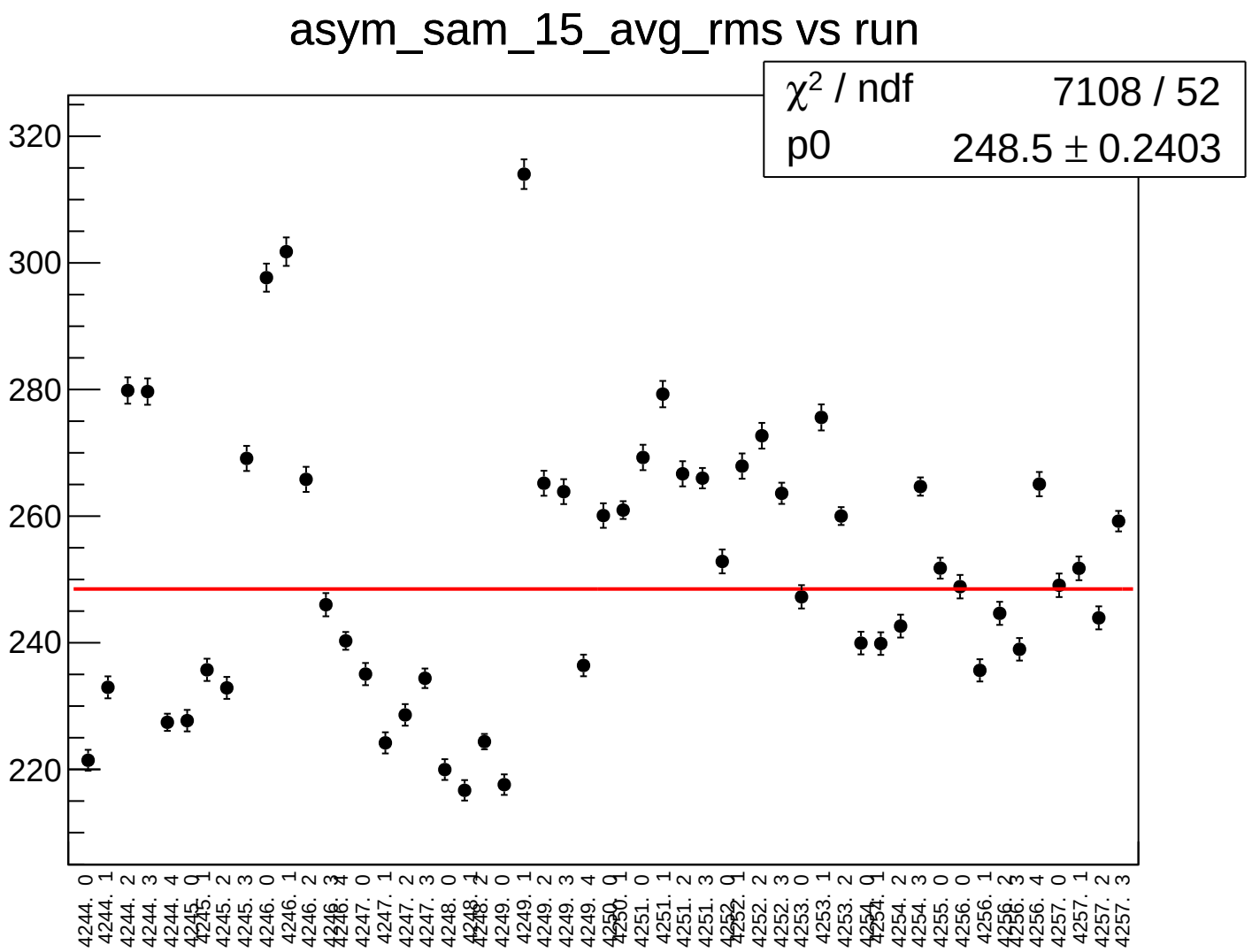
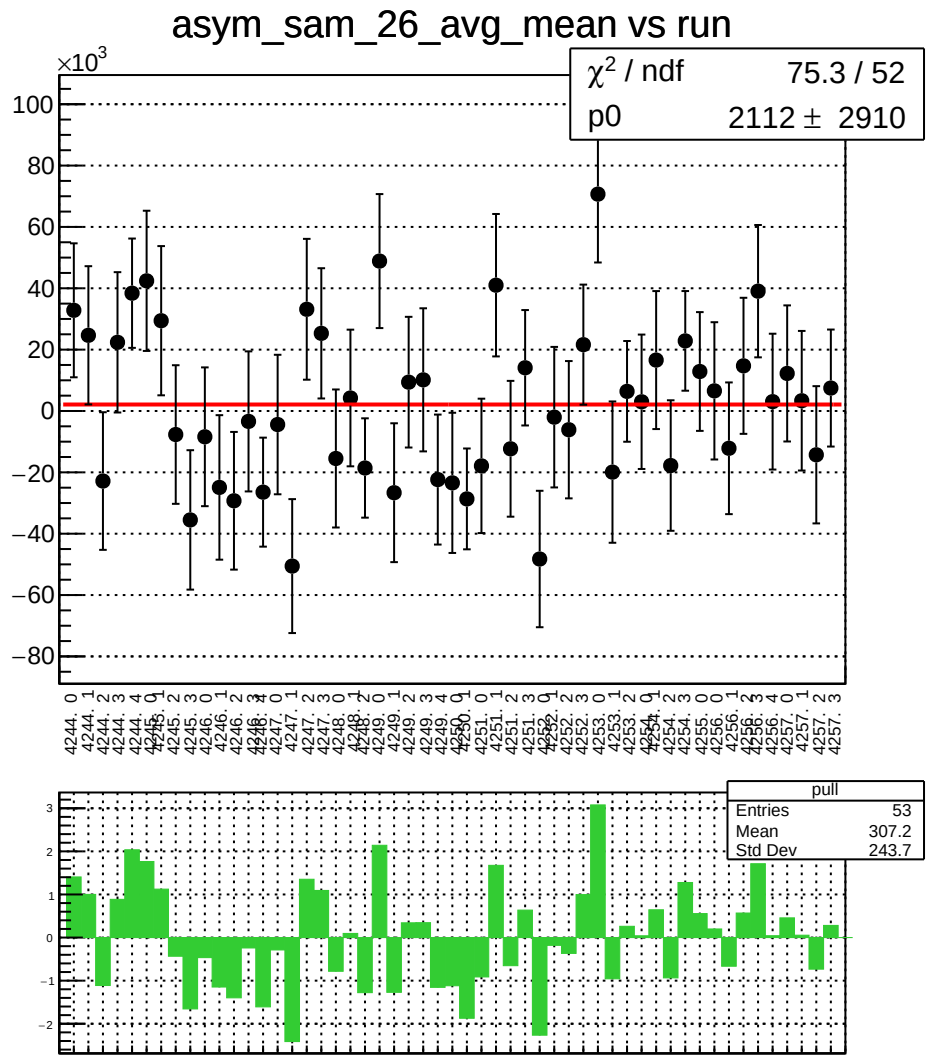
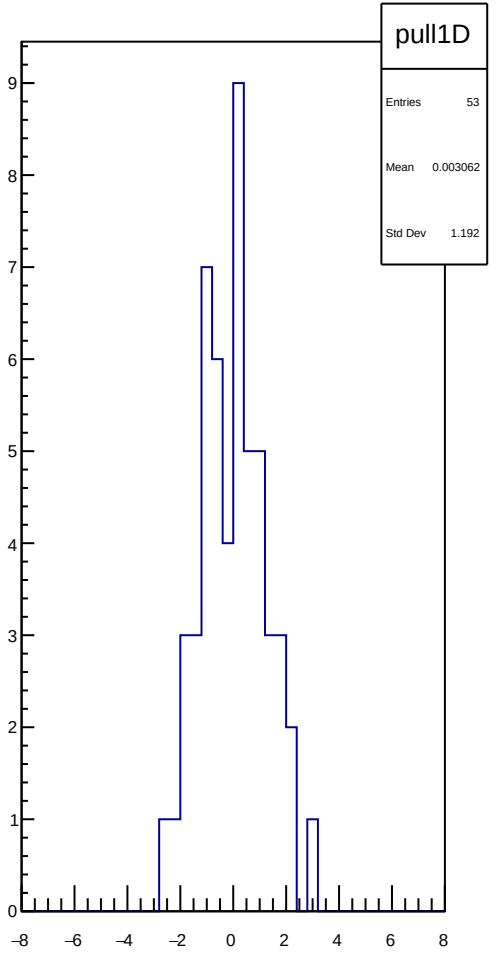
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

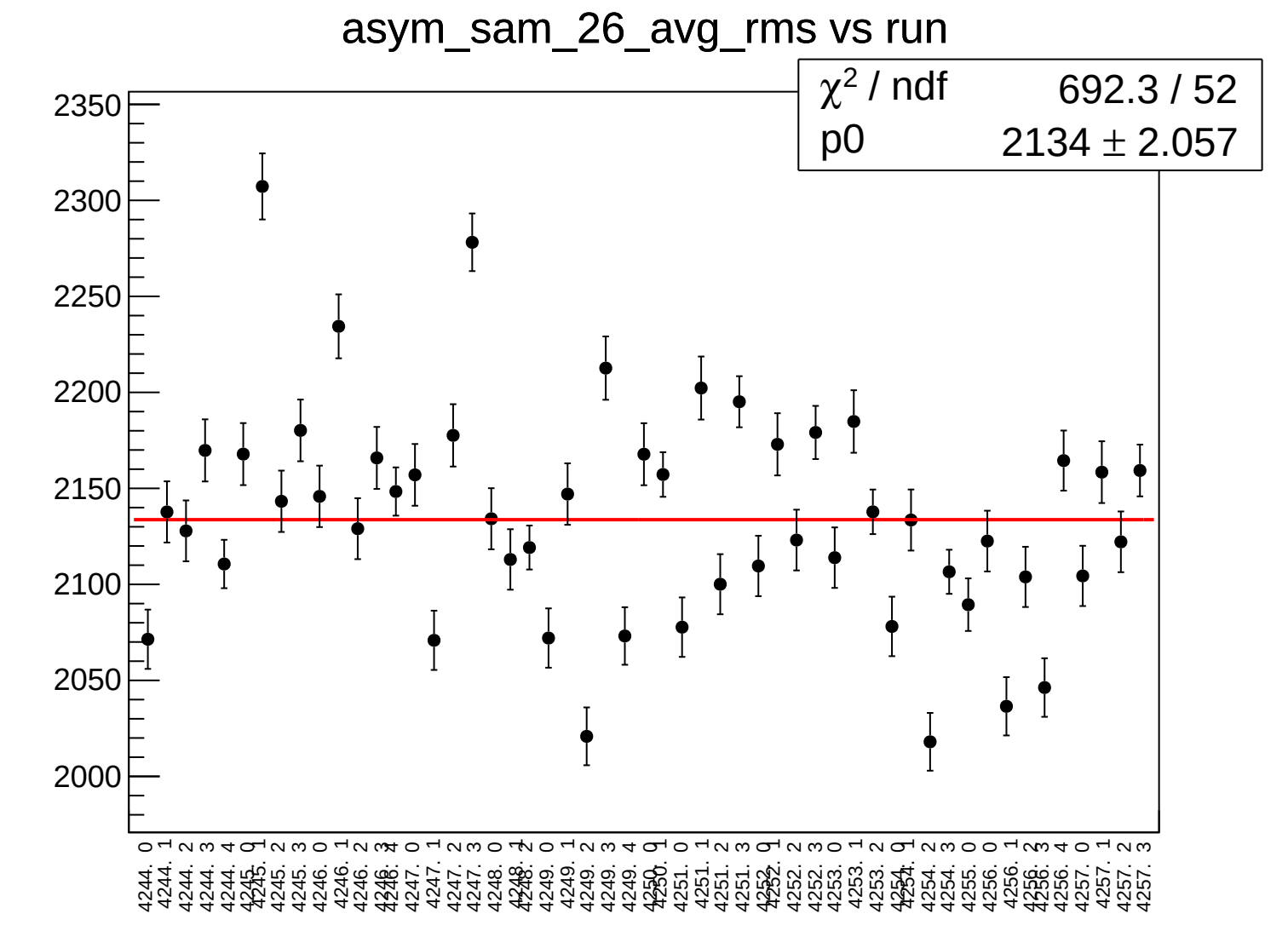

asym_sam_15_avg_mean vs run
χ² / ndf 63.76 / 52
p0 −194.2 ± 339.9
pull
Entries 53
Mean −10.55
Std Dev 41.35

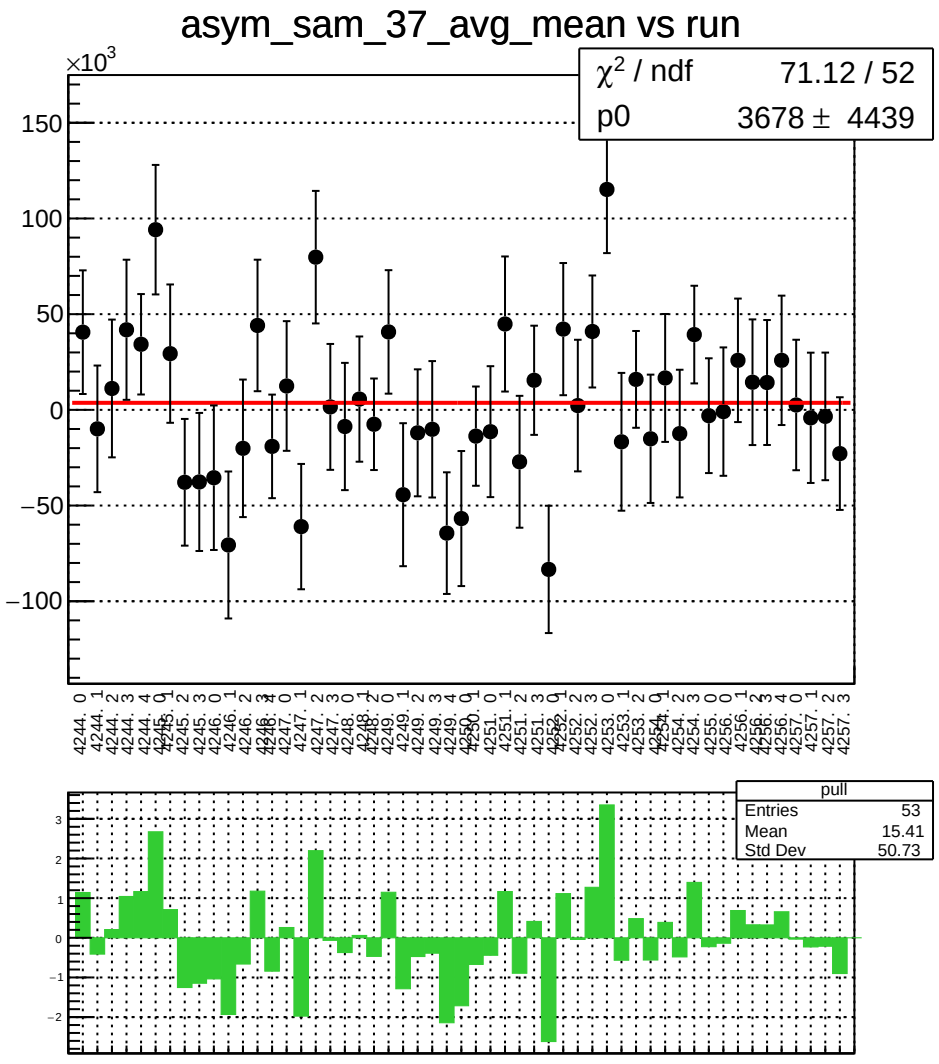

pull1D
Entries 53
Mean −0.03948
Std Dev 1.096

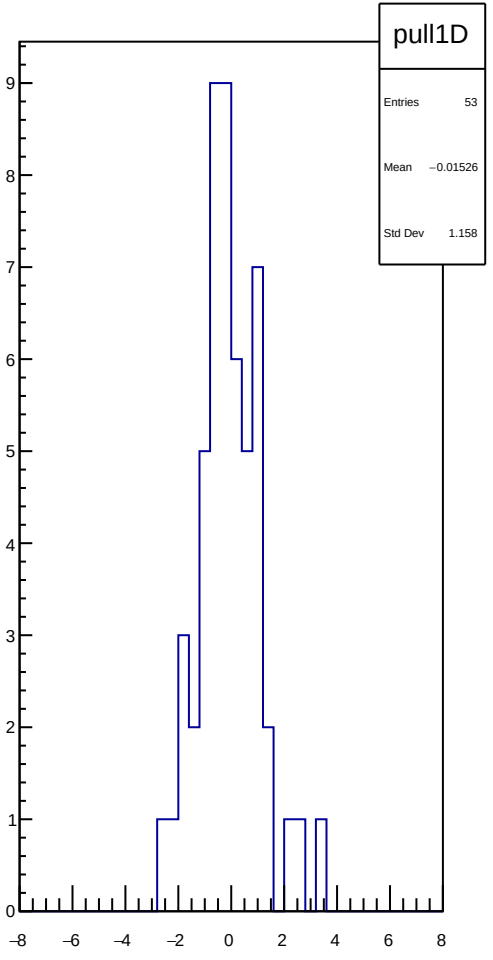

asym_sam_15_avg_rms vs run
χ² / ndf 7108 / 52
p0 248.5 ± 0.2403
320
300
280
260
240
220
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

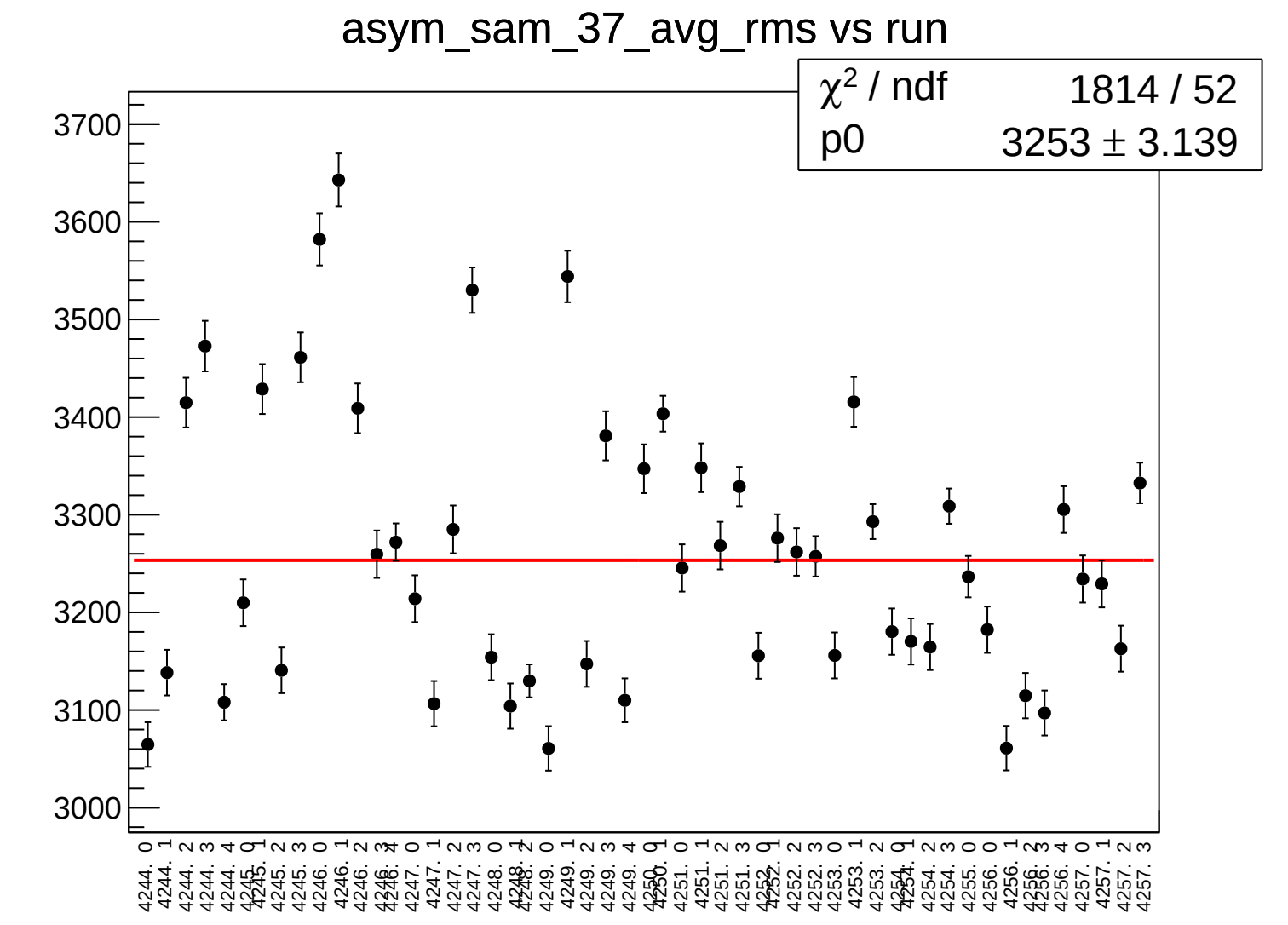

asym_sam_26_avg_mean vs run
×10^3
χ^2 / ndf 75.3 / 52
p0 2112 ± 2910
pull
Entries 53
Mean 307.2
Std Dev 243.7

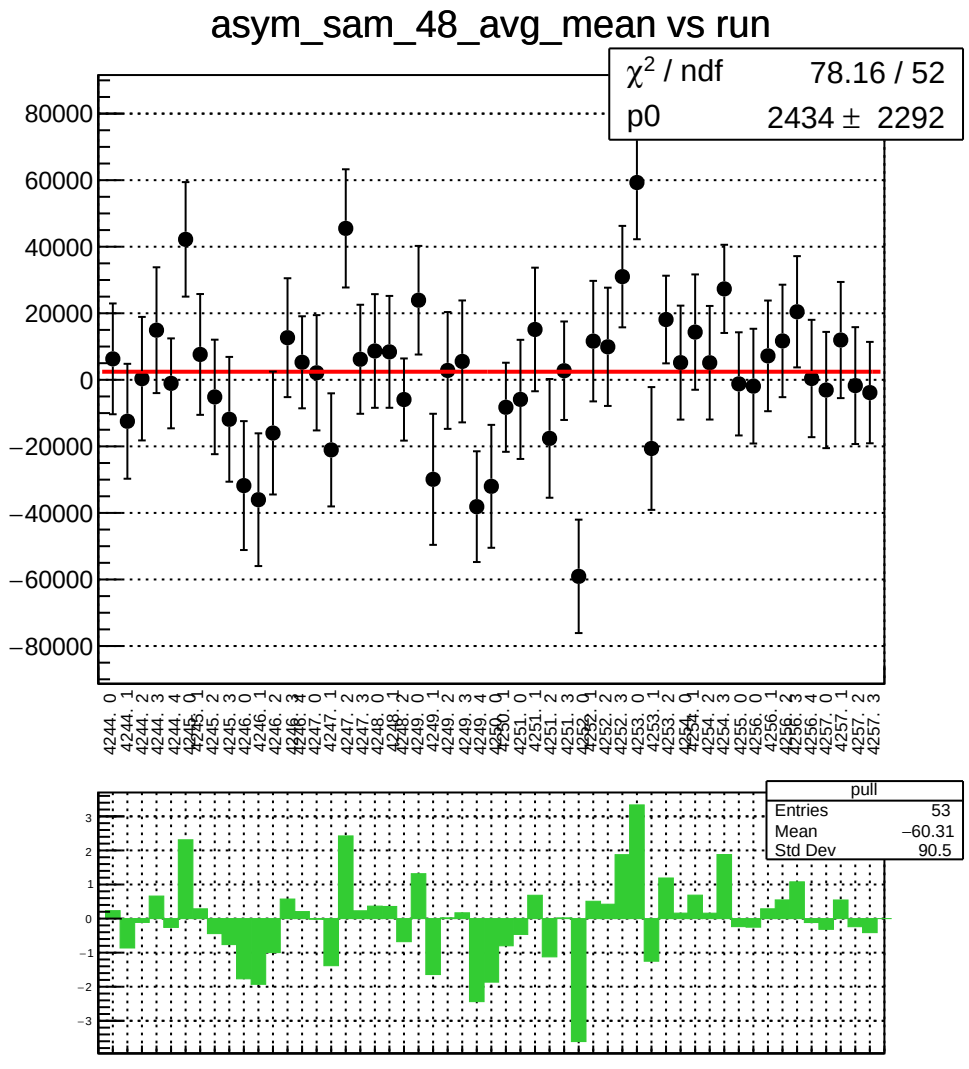

pull1D
Entries 53
Mean 0.003062
Std Dev 1.192

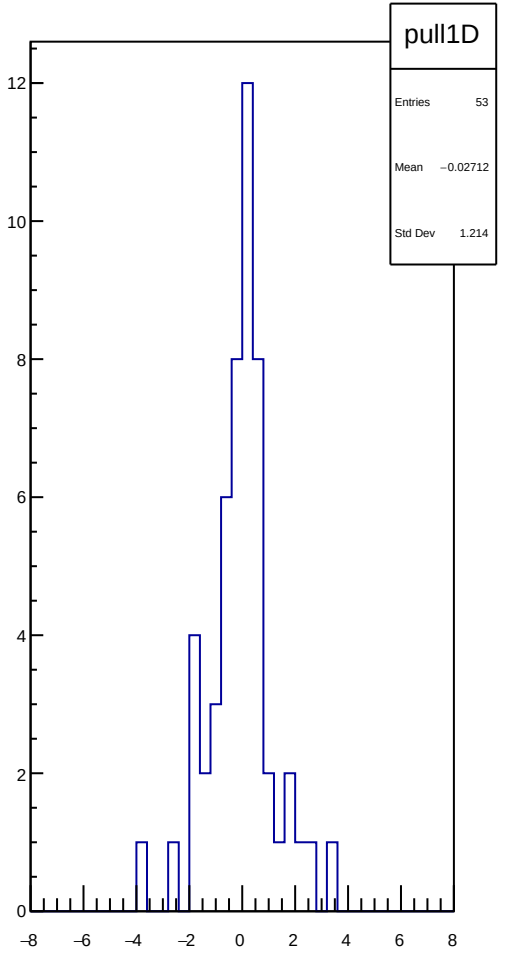

asym_sam_26_avg_rms vs run
χ² / ndf 692.3 / 52
p0 2134 ± 2.057
2350
2300
2250
2200
2150
2100
2050
2000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

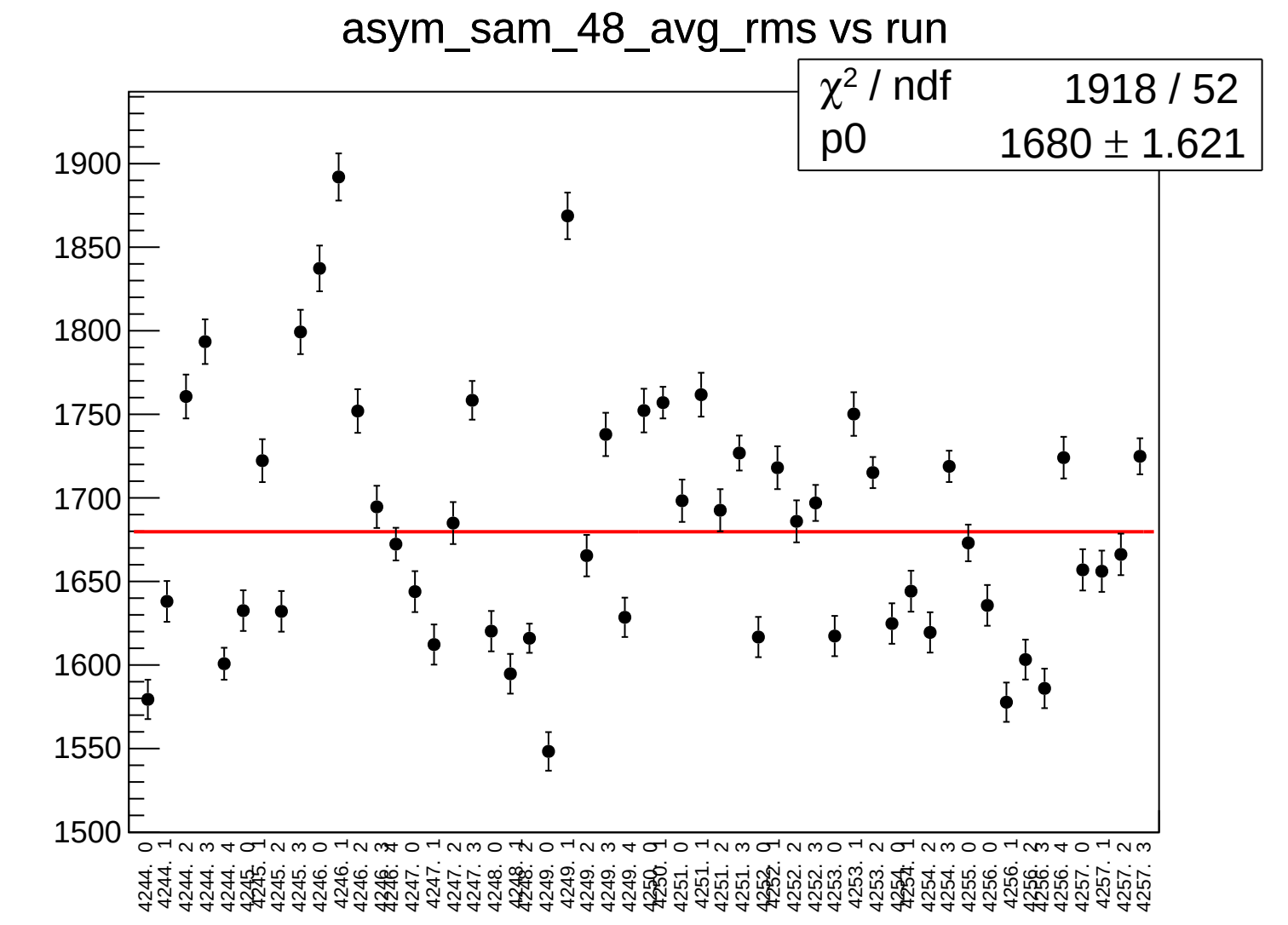

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 71.12 / 52
p0 3678 ± 4439
150
100
50
0
−50
−100
pull
Entries 53
Mean 15.41
Std Dev 50.73
3
2
1
0
−1
−2

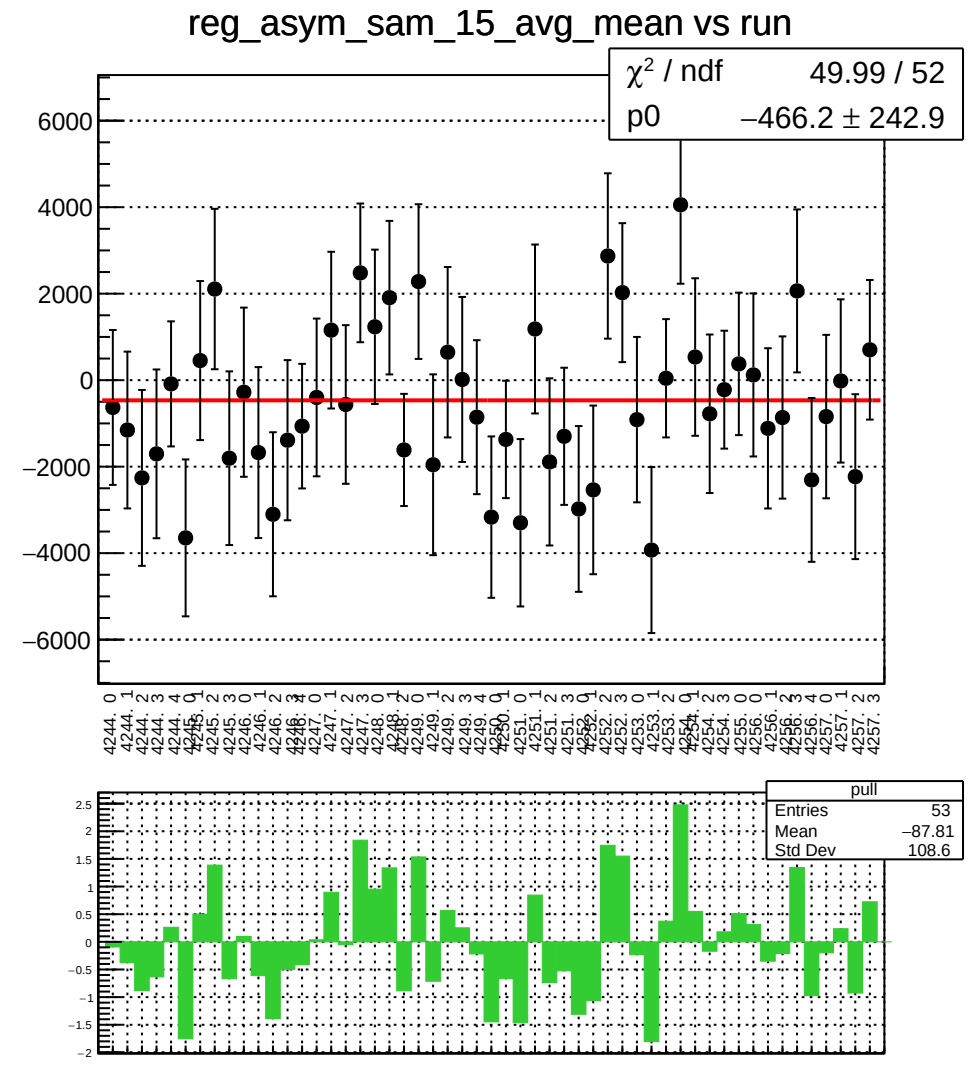

pull1D
Entries 53
Mean −0.01526
Std Dev 1.158
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

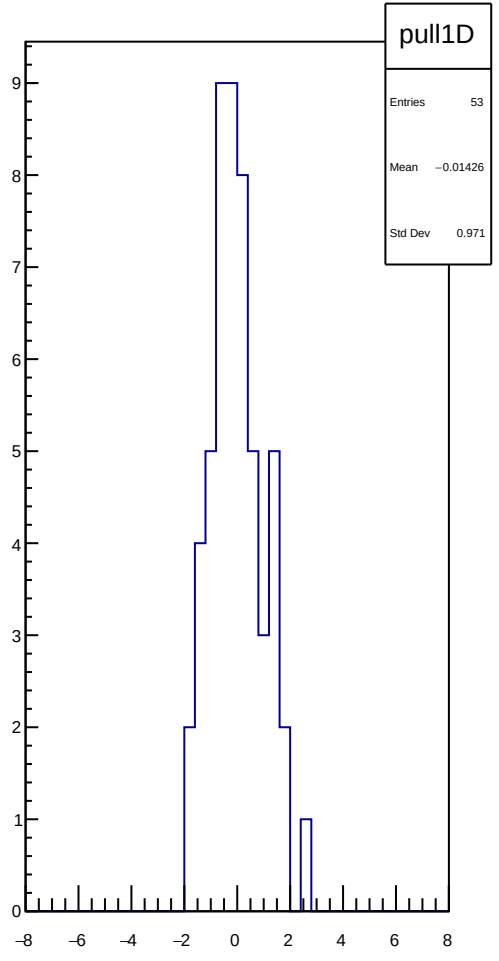

asym_sam_37_avg_rms vs run
χ² / ndf 1814 / 52
p0 3253 ± 3.139
3700
3600
3500
3400
3300
3200
3100
3000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

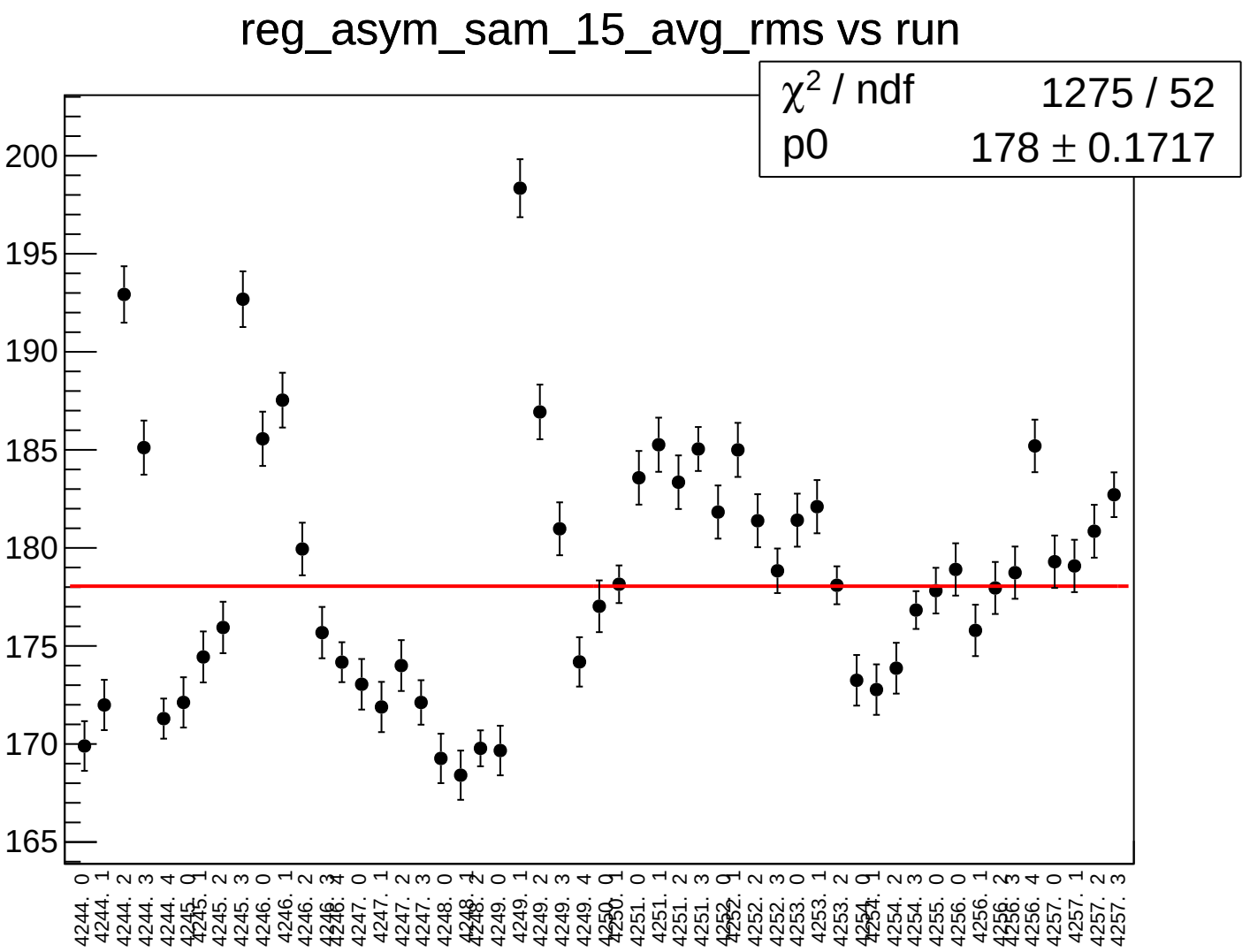

asym_sam_48_avg_mean vs run
χ² / ndf 78.16 / 52
p0 2434 ± 2292
pull
Entries 53
Mean −60.31
Std Dev 90.5

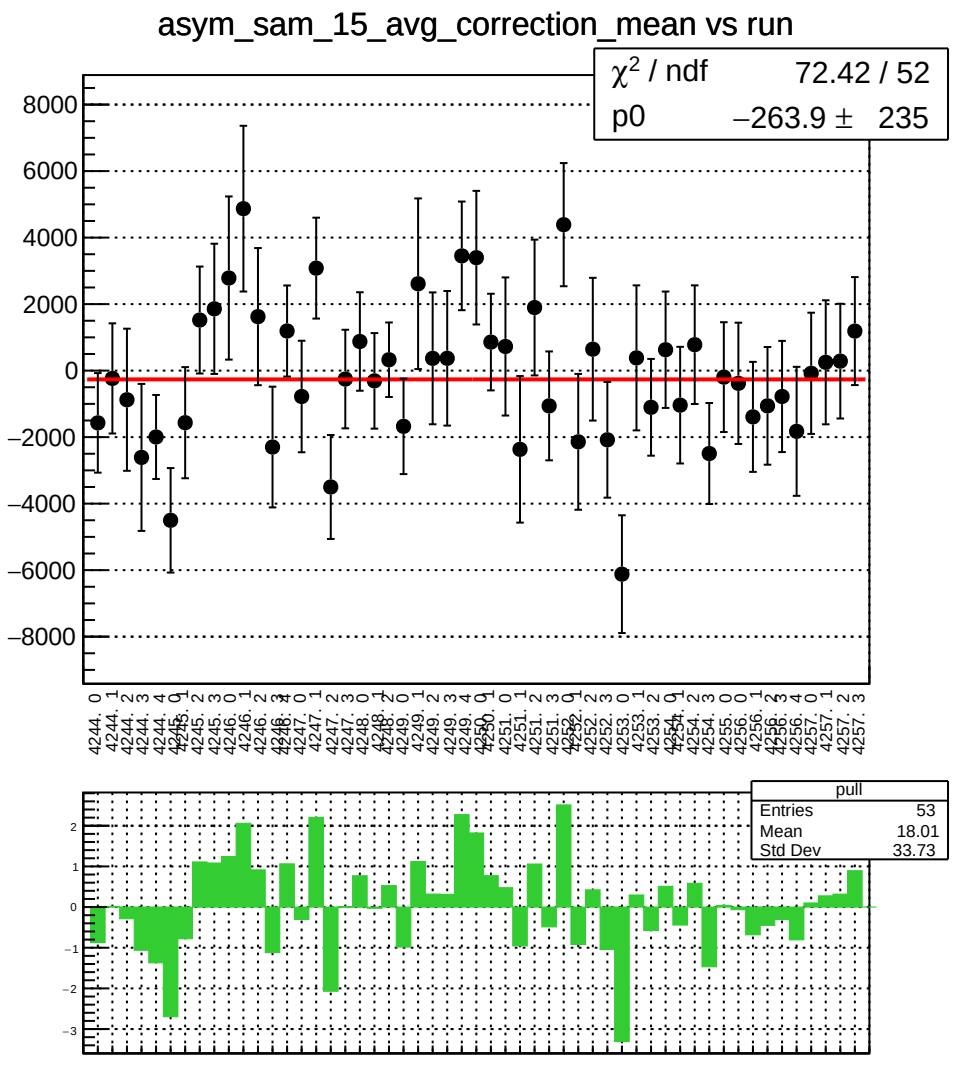

pull1D
Entries 53
Mean −0.02712
Std Dev 1.214

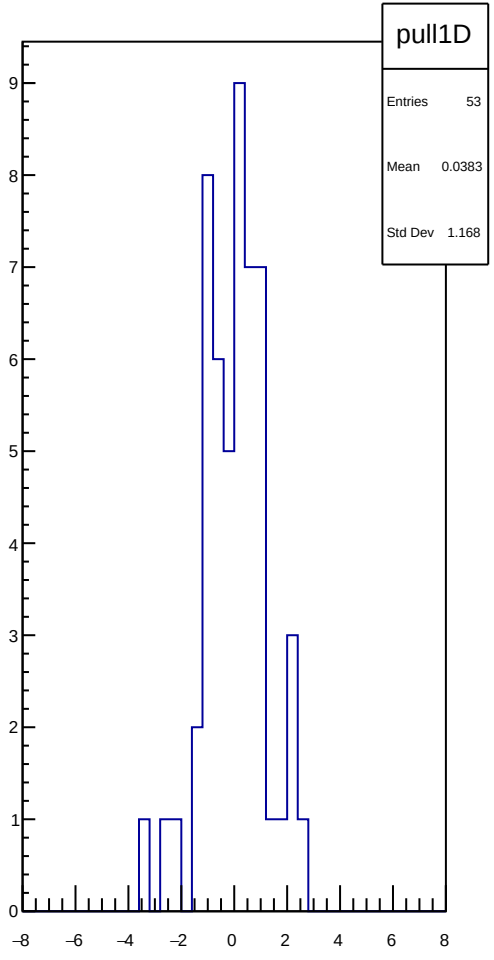

asym_sam_48_avg_rms vs run
χ² / ndf 1918 / 52
p0 1680 ± 1.621
1900
1850
1800
1750
1700
1650
1600
1550
1500
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

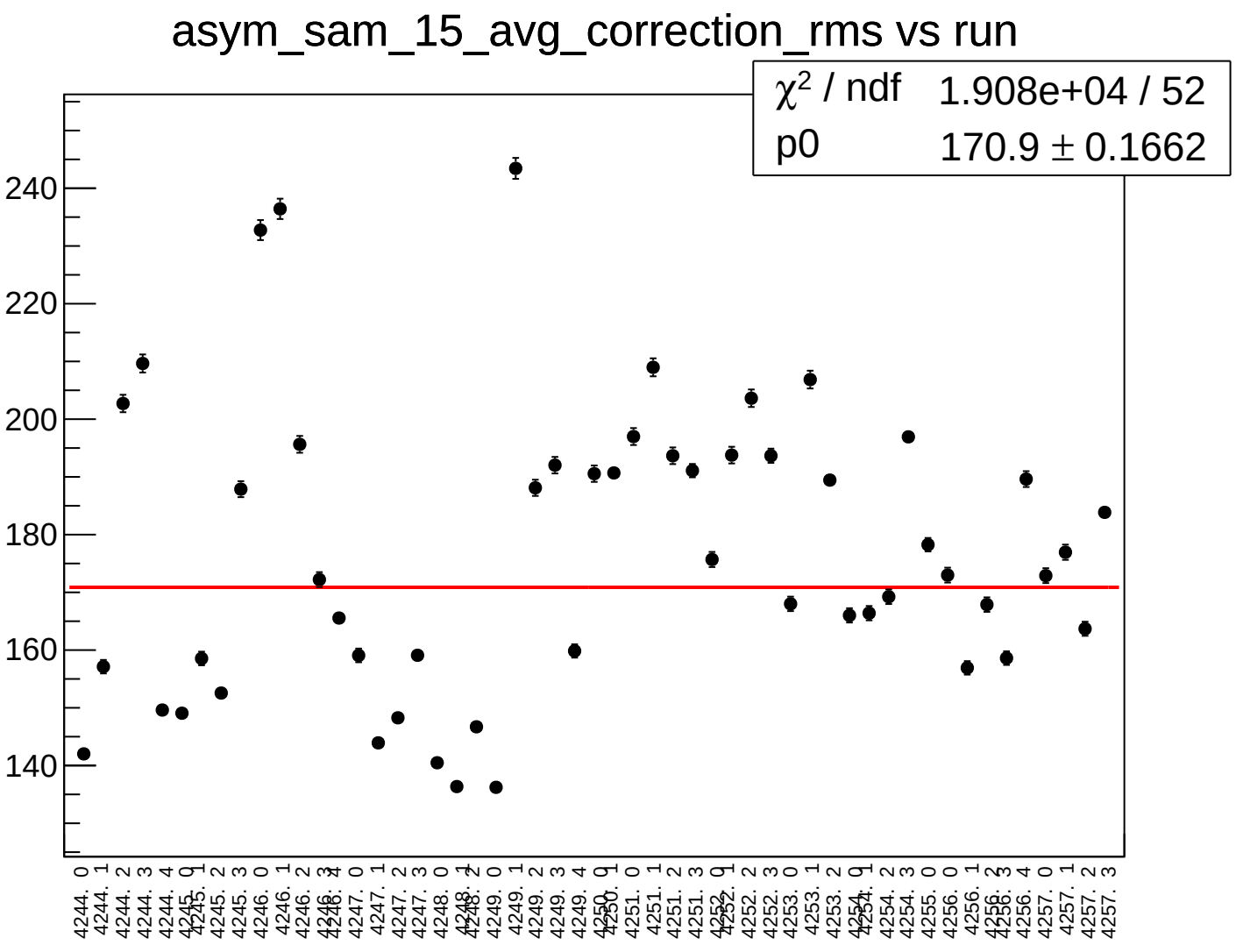

reg_asym_sam_15_avg_mean vs run
χ² / ndf 49.99 / 52
p0 −466.2 ± 242.9
pull
Entries 53
Mean −87.81
Std Dev 108.6

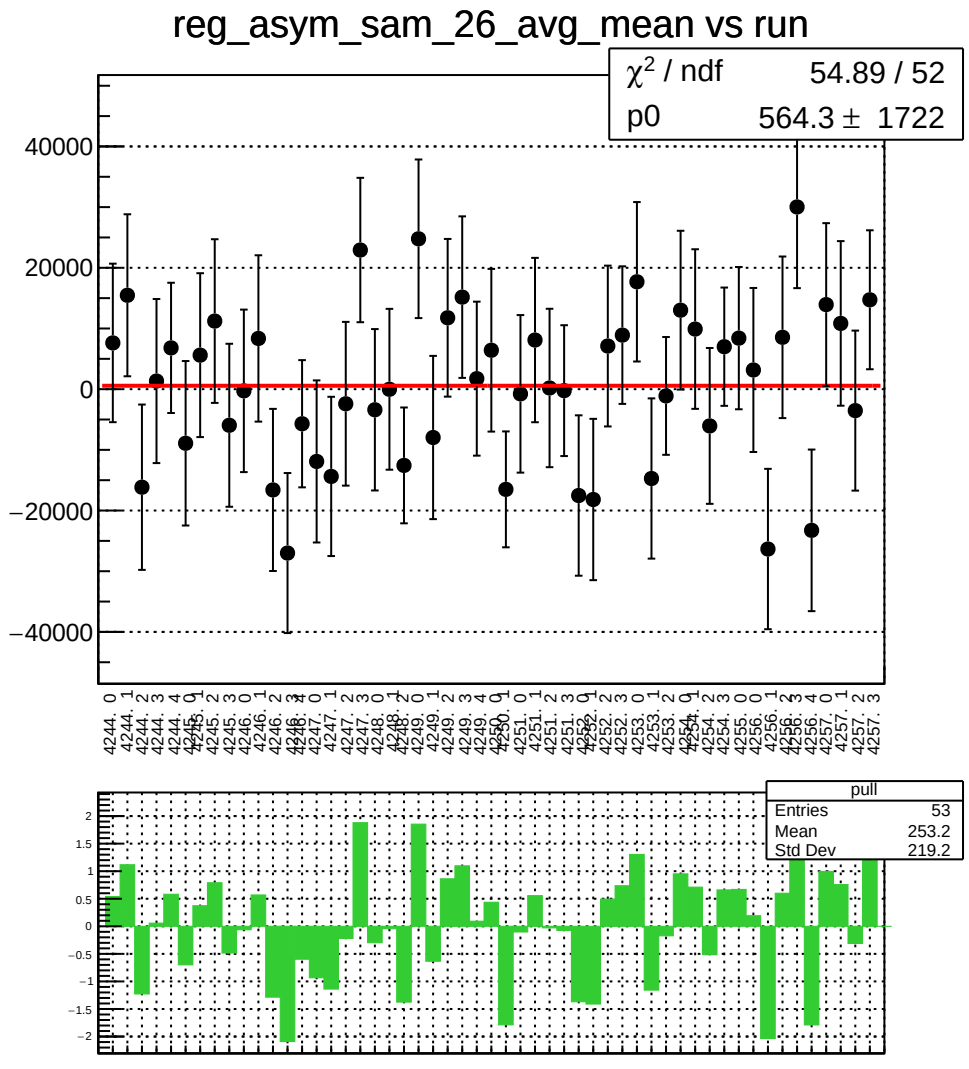

pull1D
Entries 53
Mean −0.01426
Std Dev 0.971

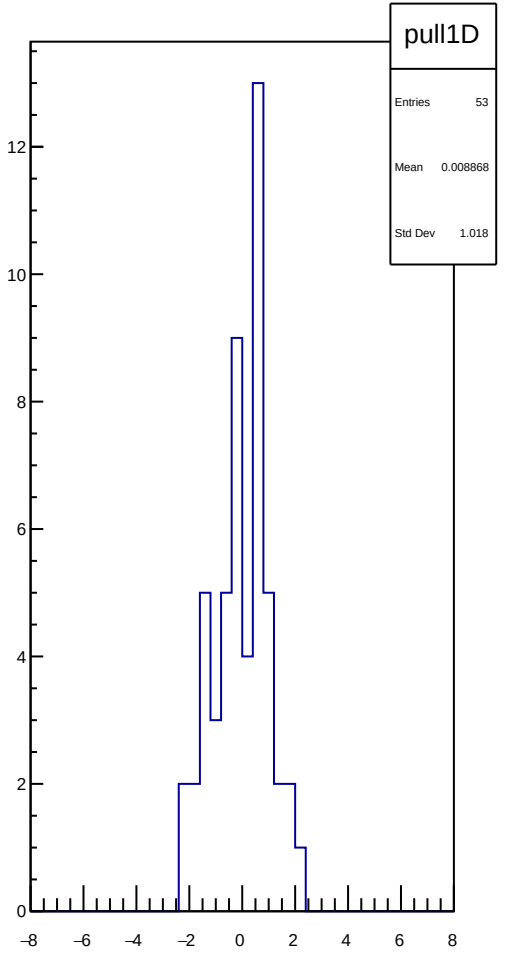

reg_asym_sam_15_avg_rms vs run
χ² / ndf 1275 / 52
p0 178 ± 0.1717
200
195
190
185
180
175
170
165
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

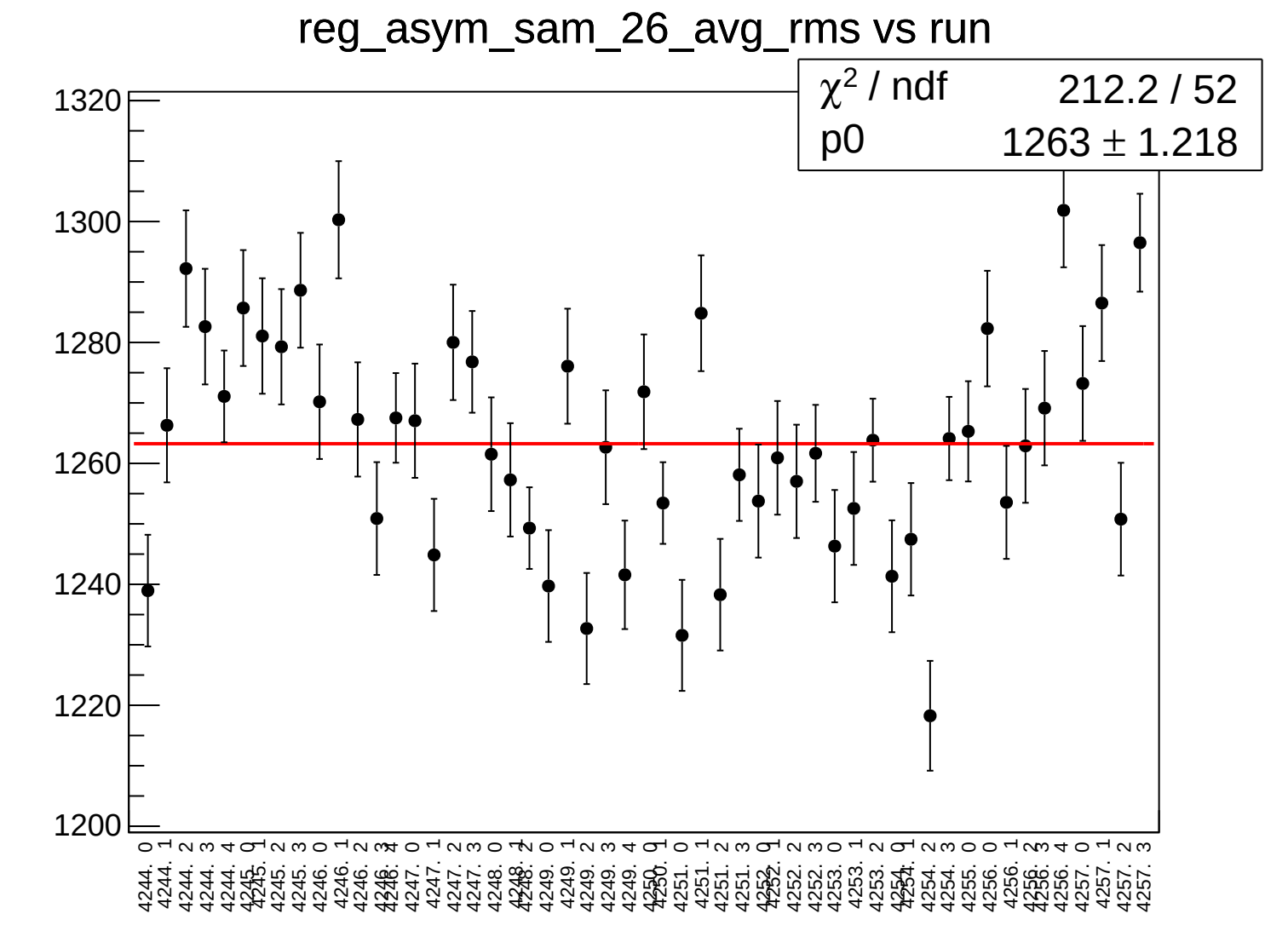

asym_sam_15_avg_correction_mean vs run
χ² / ndf 72.42 / 52
p0 −263.9 ± 235
pull
Entries 53
Mean 18.01
Std Dev 33.73

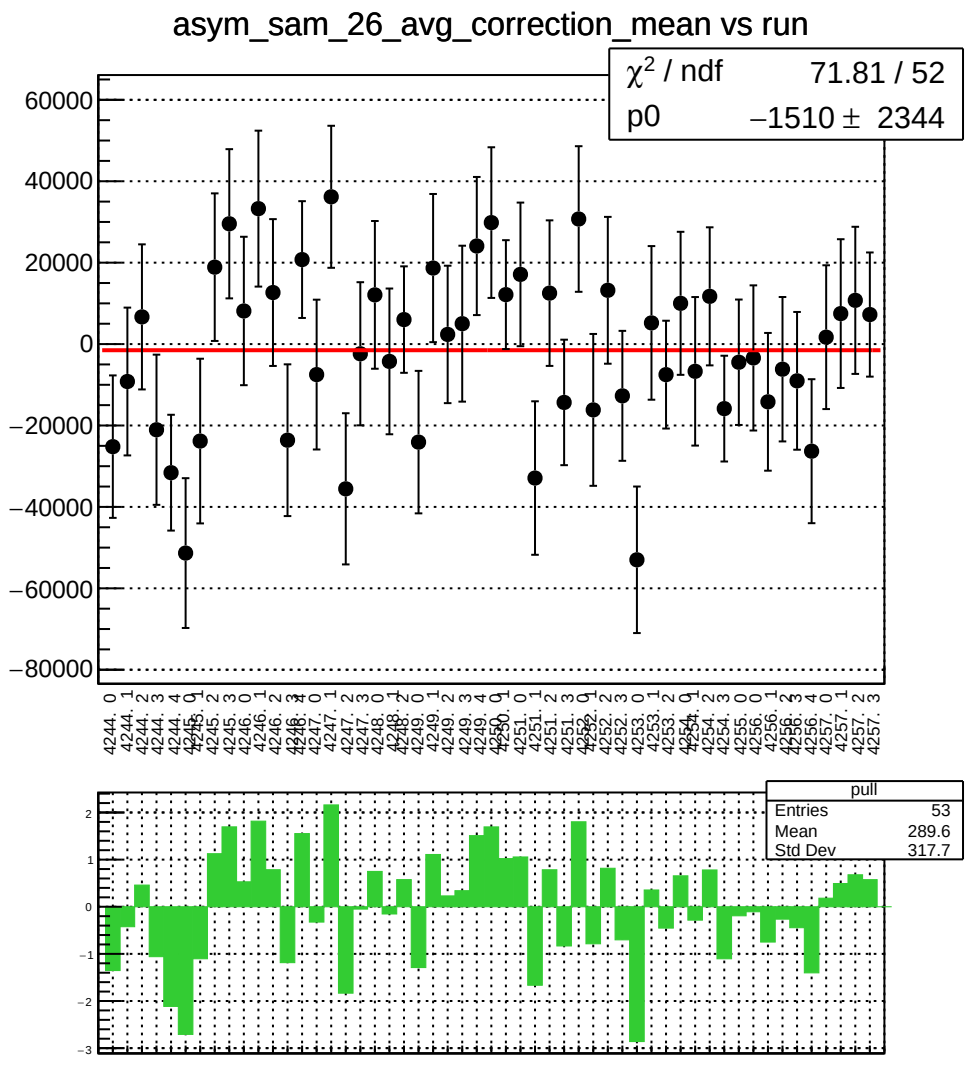

pull1D
Entries 53
Mean 0.0383
Std Dev 1.168

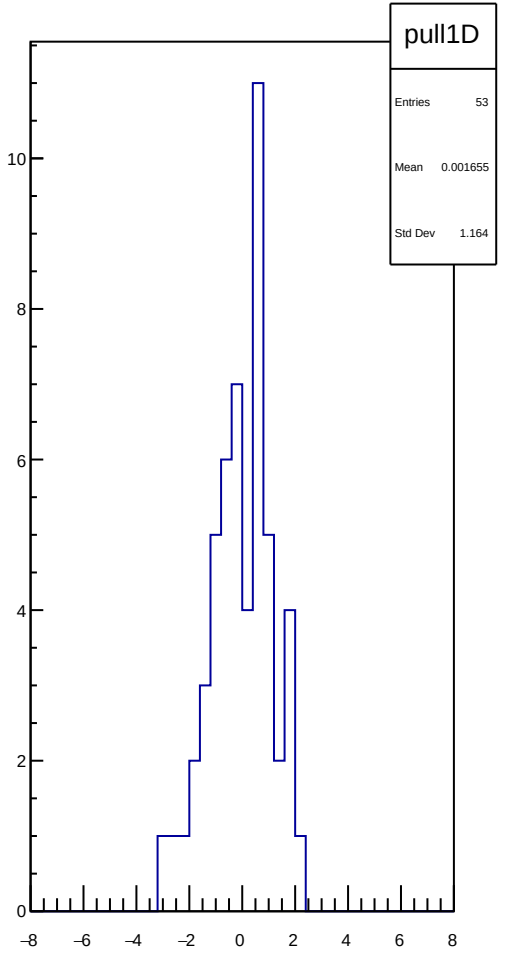

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.908e+04 / 52
p0 170.9 ± 0.1662
240
220
200
180
160
140
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

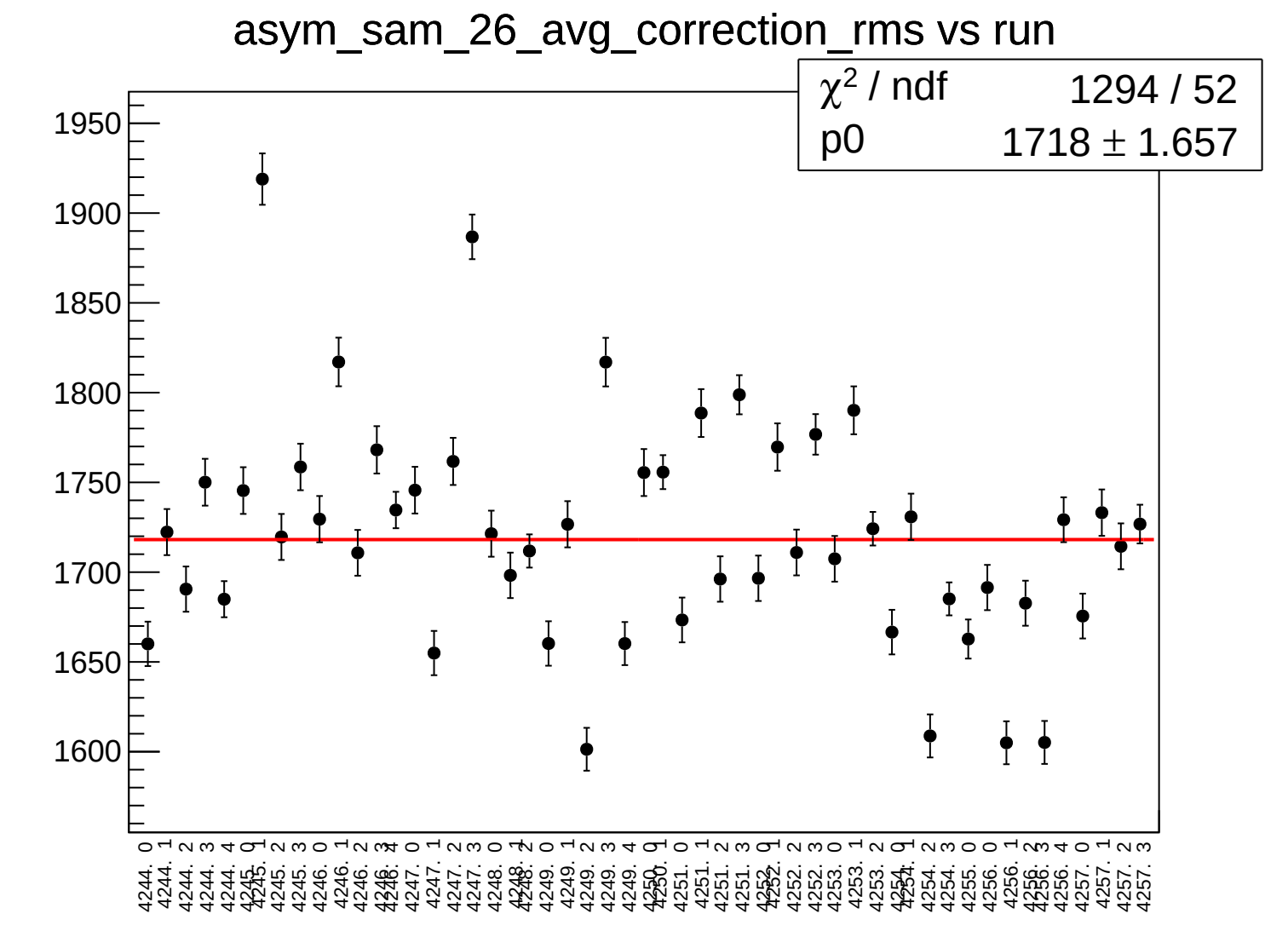

reg_asym_sam_26_avg_mean vs run
χ² / ndf 54.89 / 52
p0 564.3 ± 1722
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 253.2
Std Dev 219.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

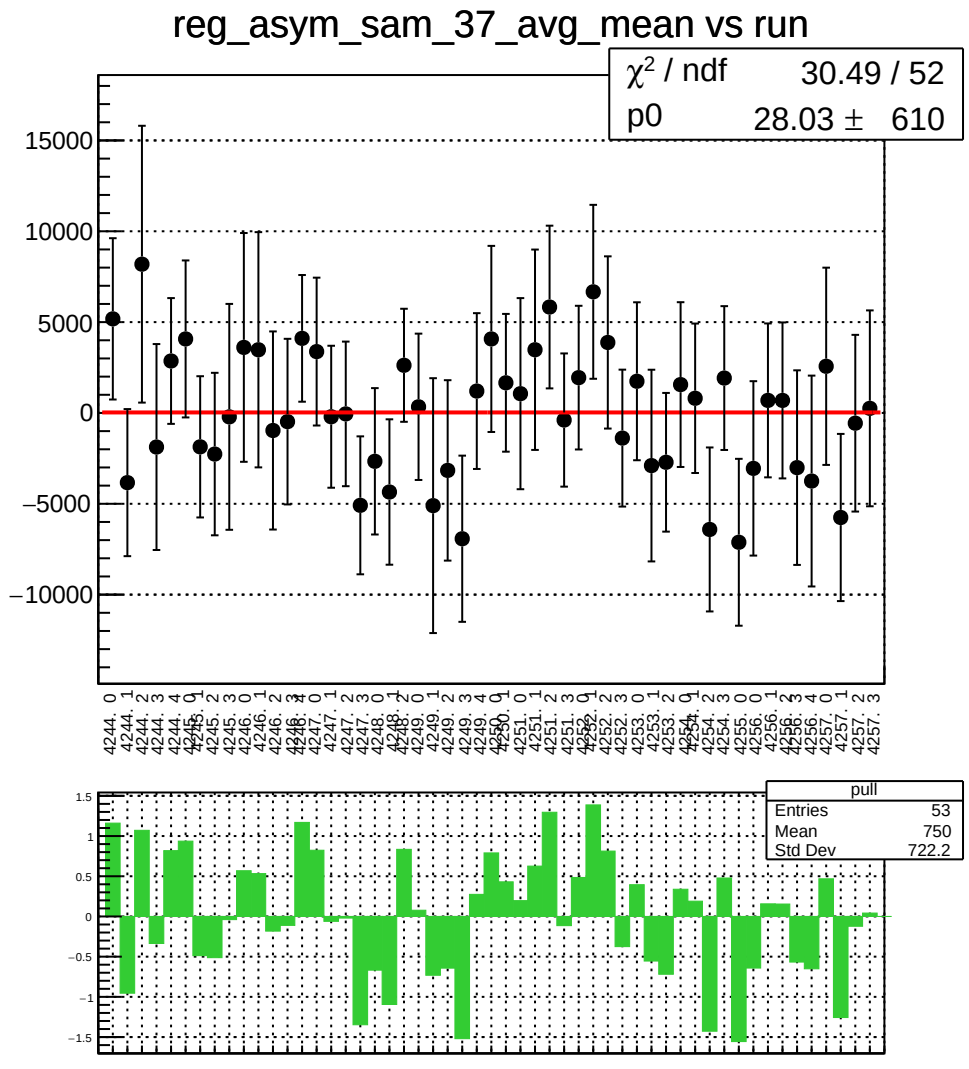

pull1D
Entries 53
Mean 0.008868
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

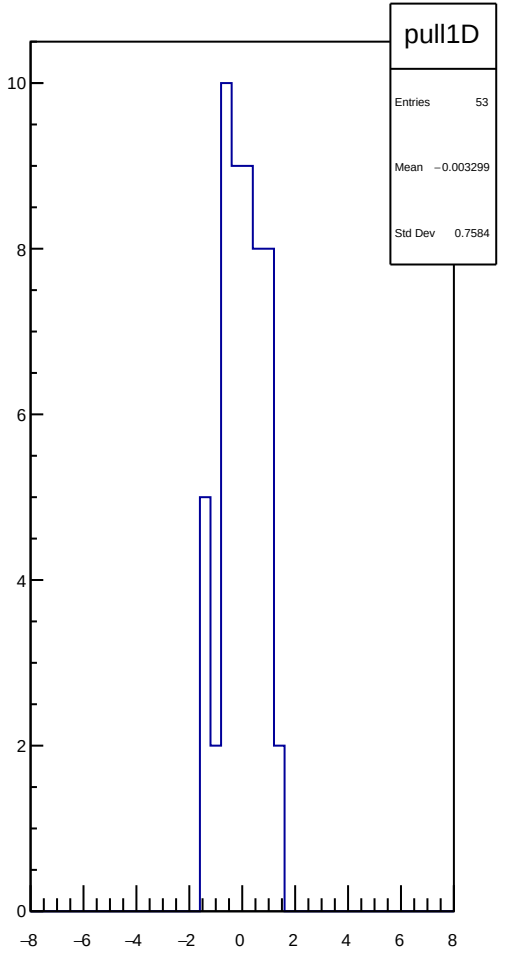

reg_asym_sam_26_avg_rms vs run
χ² / ndf 212.2 / 52
p0 1263 ± 1.218
1320
1300
1280
1260
1240
1220
1200
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

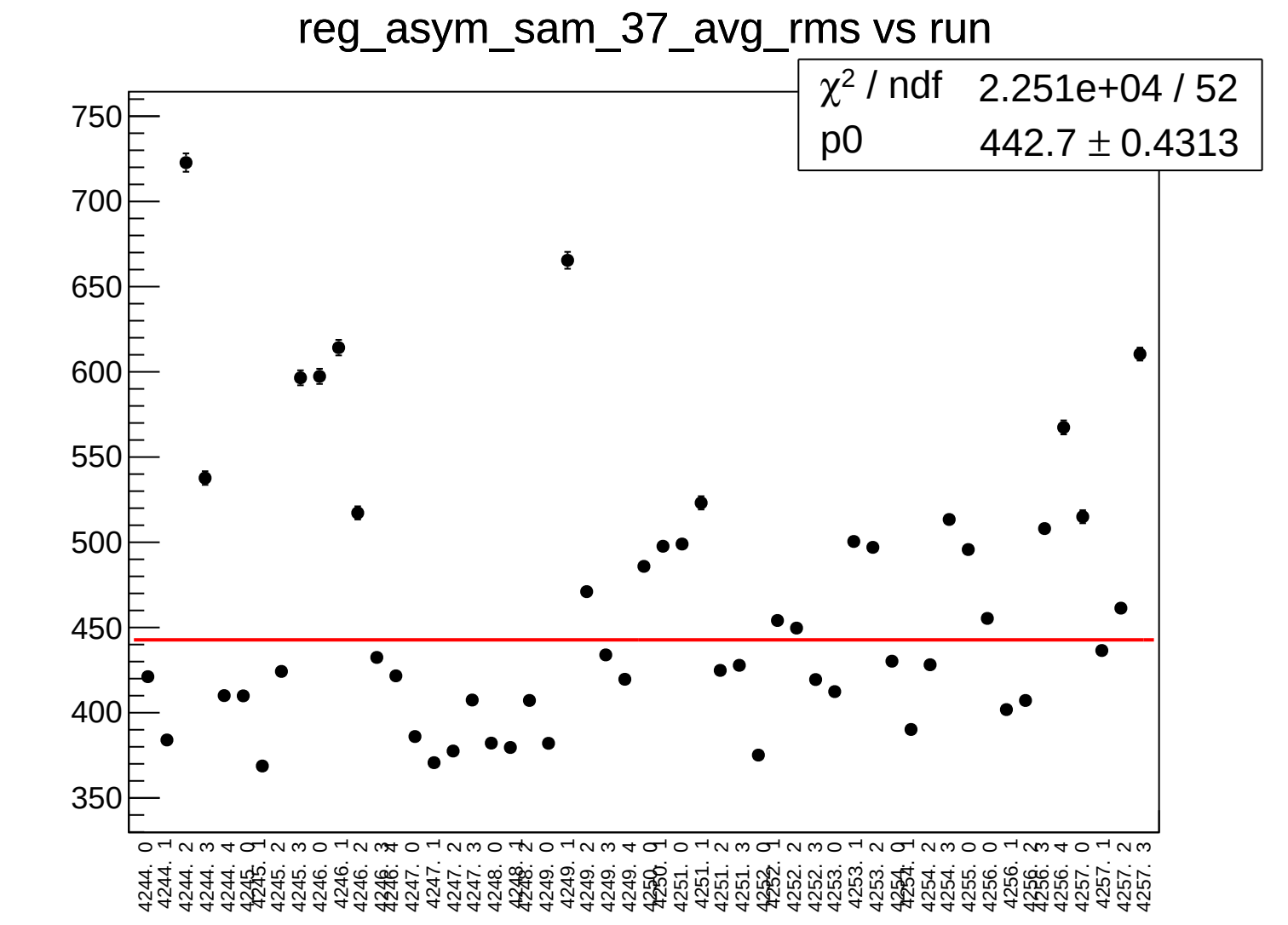

asym_sam_26_avg_correction_mean vs run
χ² / ndf 71.81 / 52
p0 −1510 ± 2344
pull
Entries 53
Mean 289.6
Std Dev 317.7

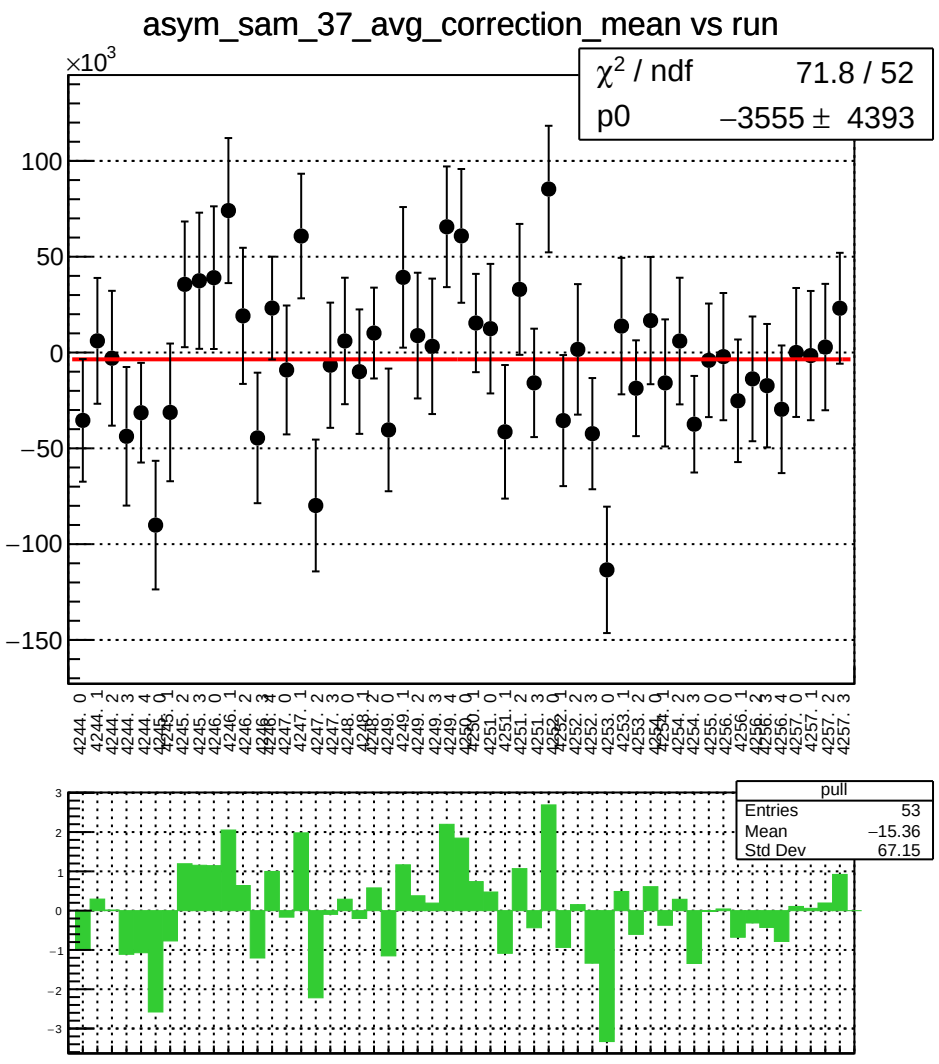

pull1D
Entries 53
Mean 0.001655
Std Dev 1.164

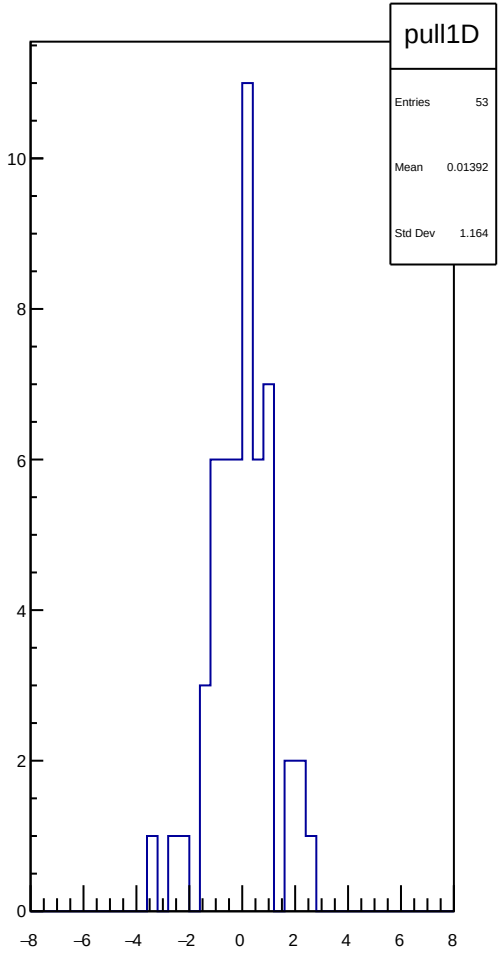

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1294 / 52
p0 1718 ± 1.657
1950
1900
1850
1800
1750
1700
1650
1600
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

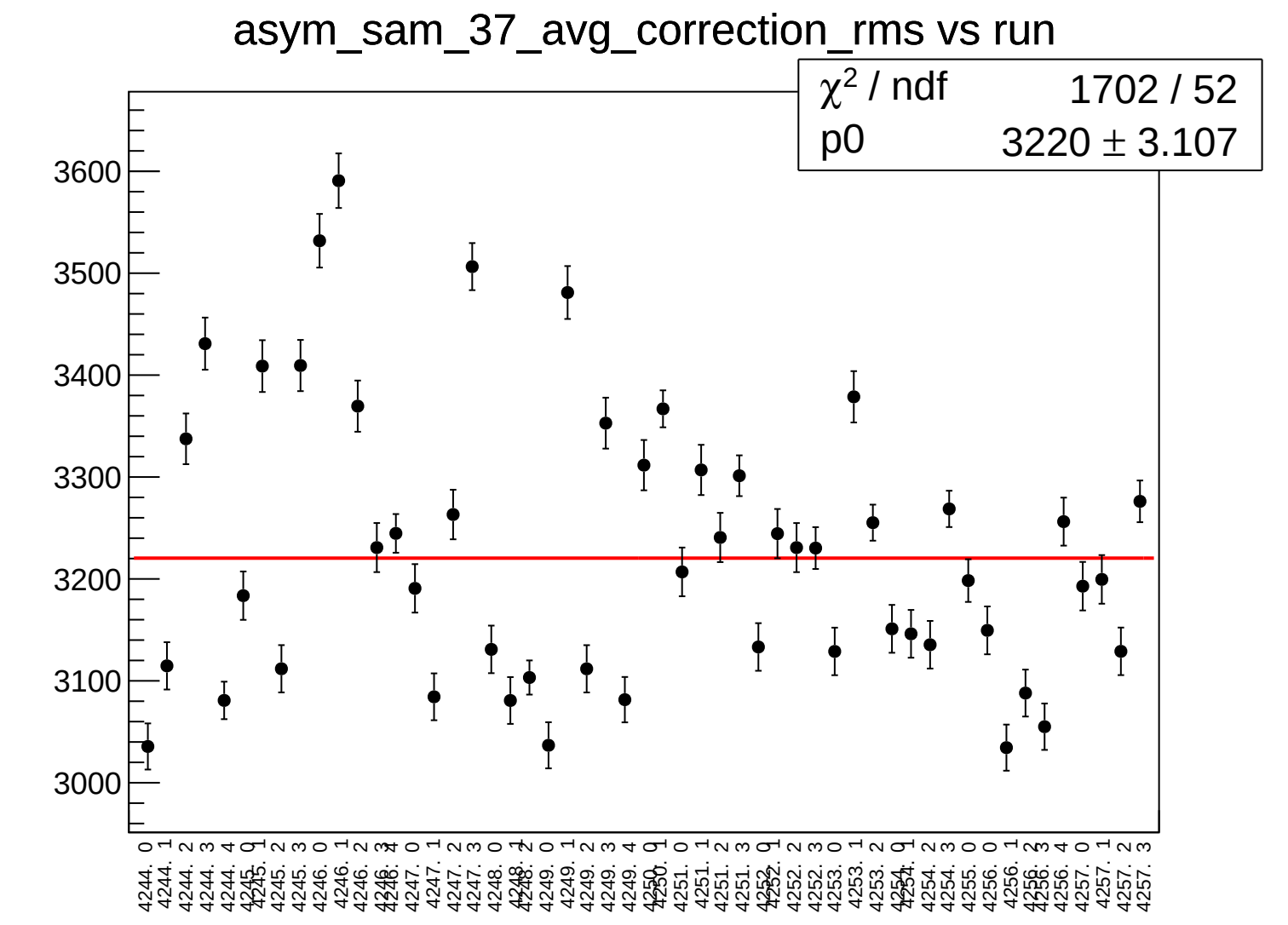

reg_asym_sam_37_avg_mean vs run
χ² / ndf 30.49 / 52
p0 28.03 ± 610
15000
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 750
Std Dev 722.2
1.5
1
0.5
0
−0.5
−1
−1.5

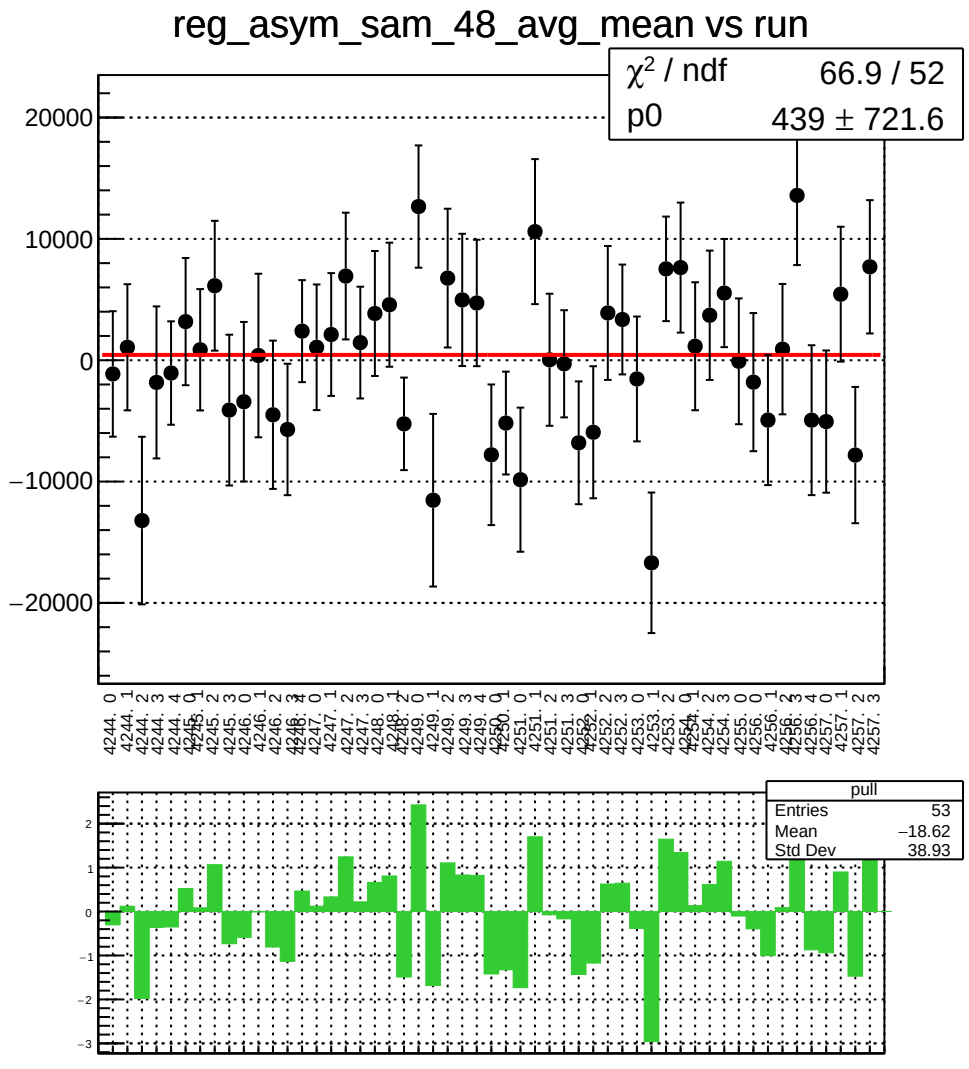

pull1D
Entries 53
Mean −0.003299
Std Dev 0.7584
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

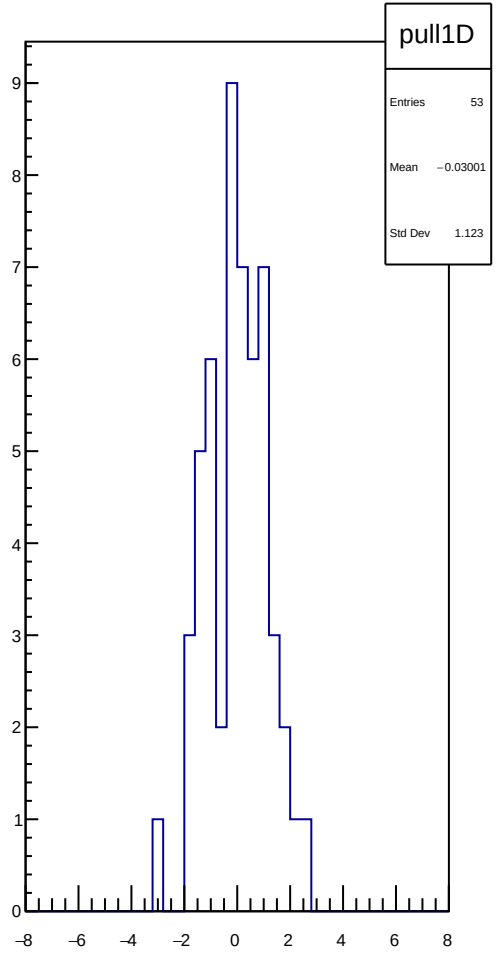

reg_asym_sam_37_avg_rms vs run
χ² / ndf 2.251e+04 / 52
p0 442.7 ± 0.4313
750
700
650
600
550
500
450
400
350
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

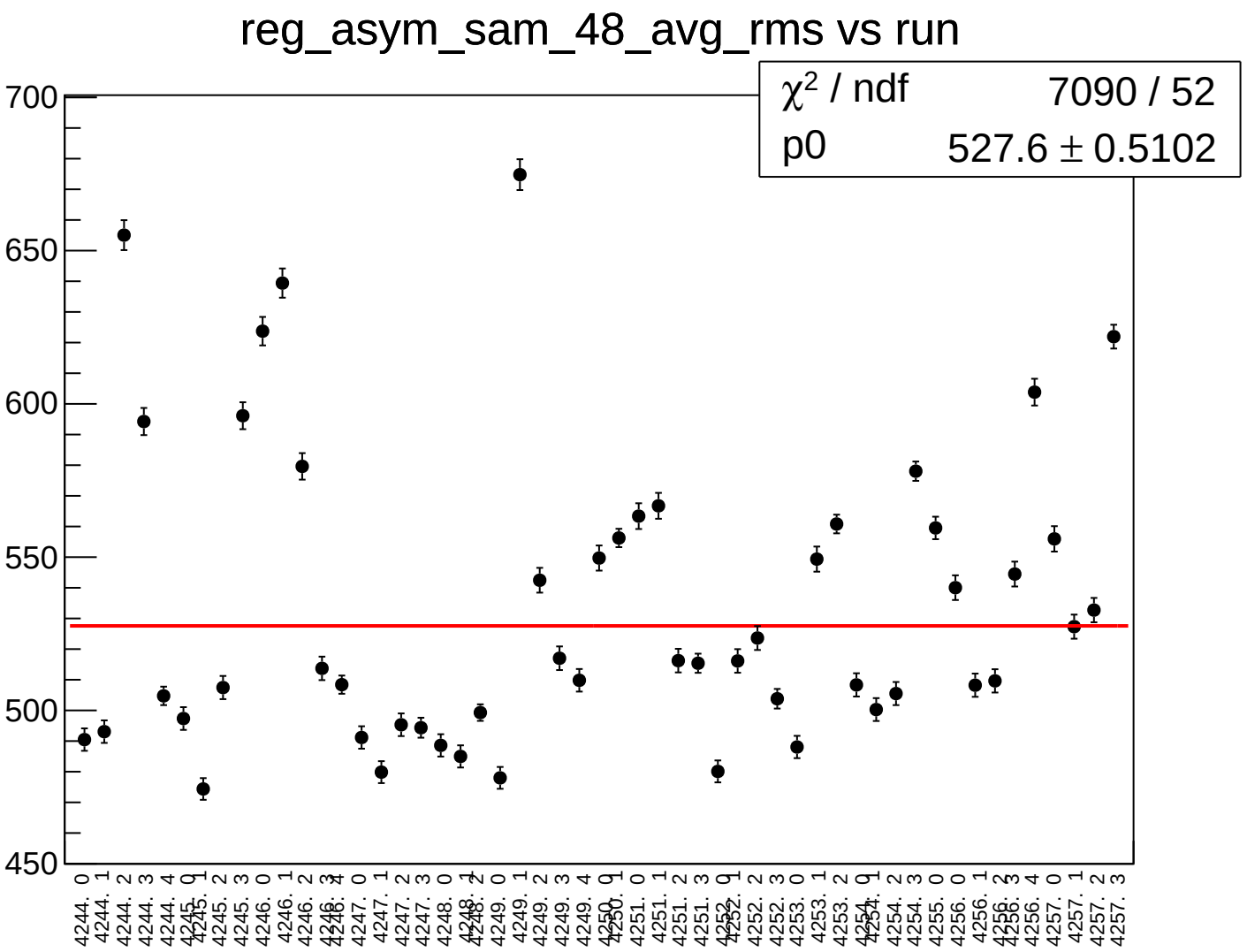

asym_sam_37_avg_correction_mean vs run
χ² / ndf 71.8 / 52
p0 −3555 ± 4393
×10³
100
50
0
−50
−100
−150
pull
Entries 53
Mean −15.36
Std Dev 67.15
3
2
1
0
−1
−2
−3

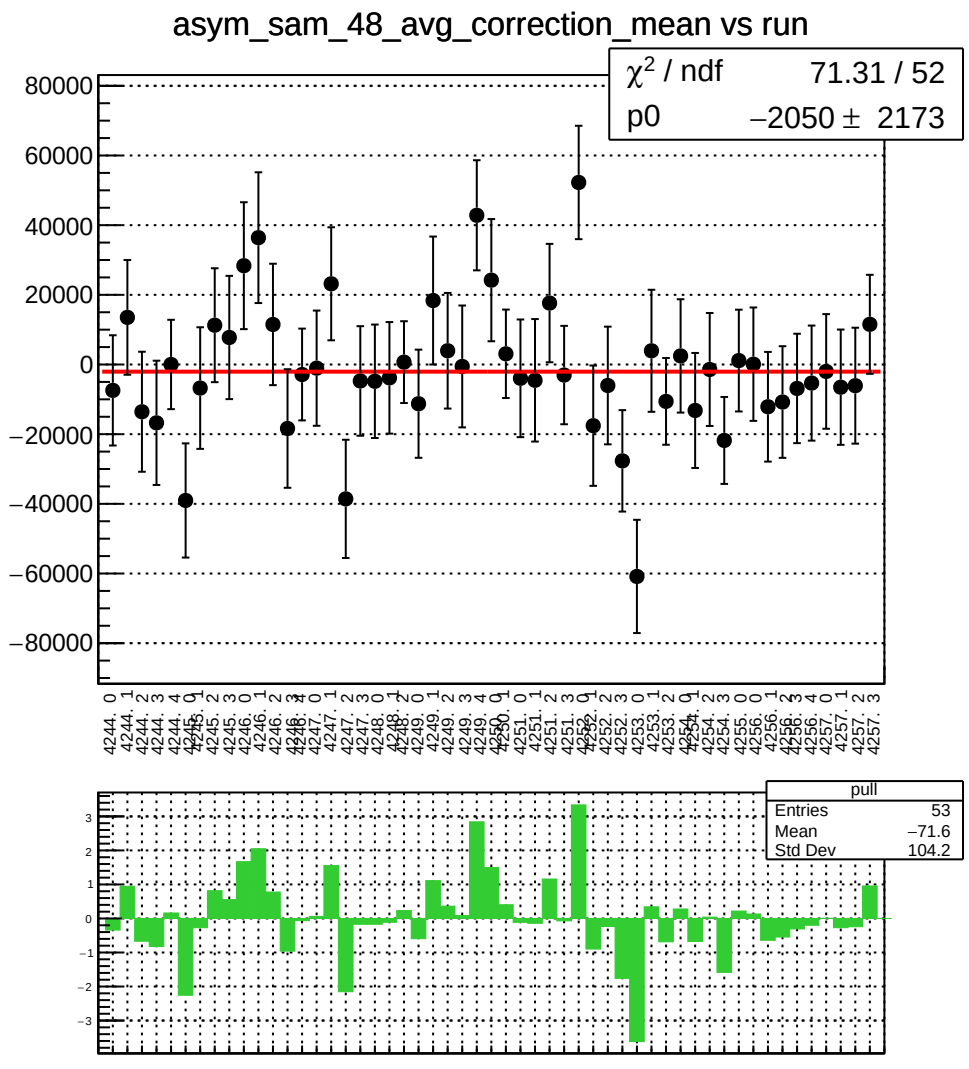

pull1D
Entries 53
Mean 0.01392
Std Dev 1.164
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

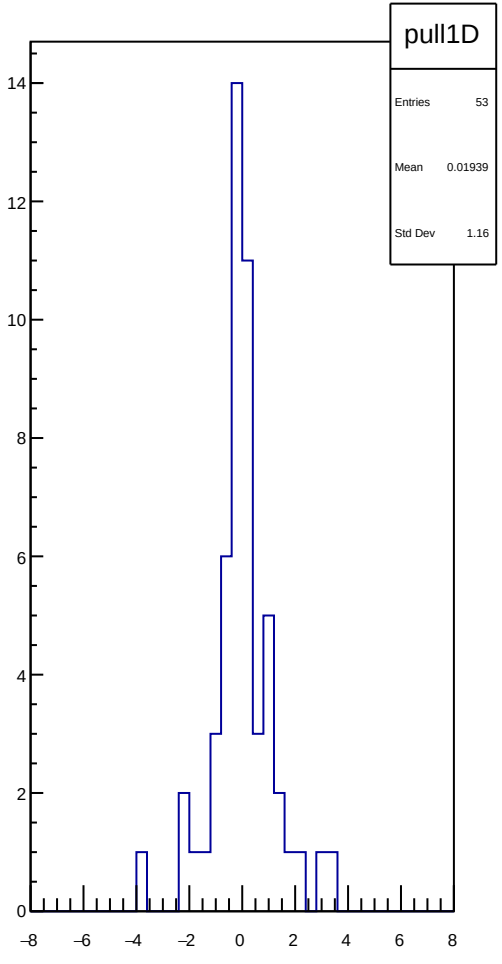

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1702 / 52
p0 3220 ± 3.107
3600
3500
3400
3300
3200
3100
3000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

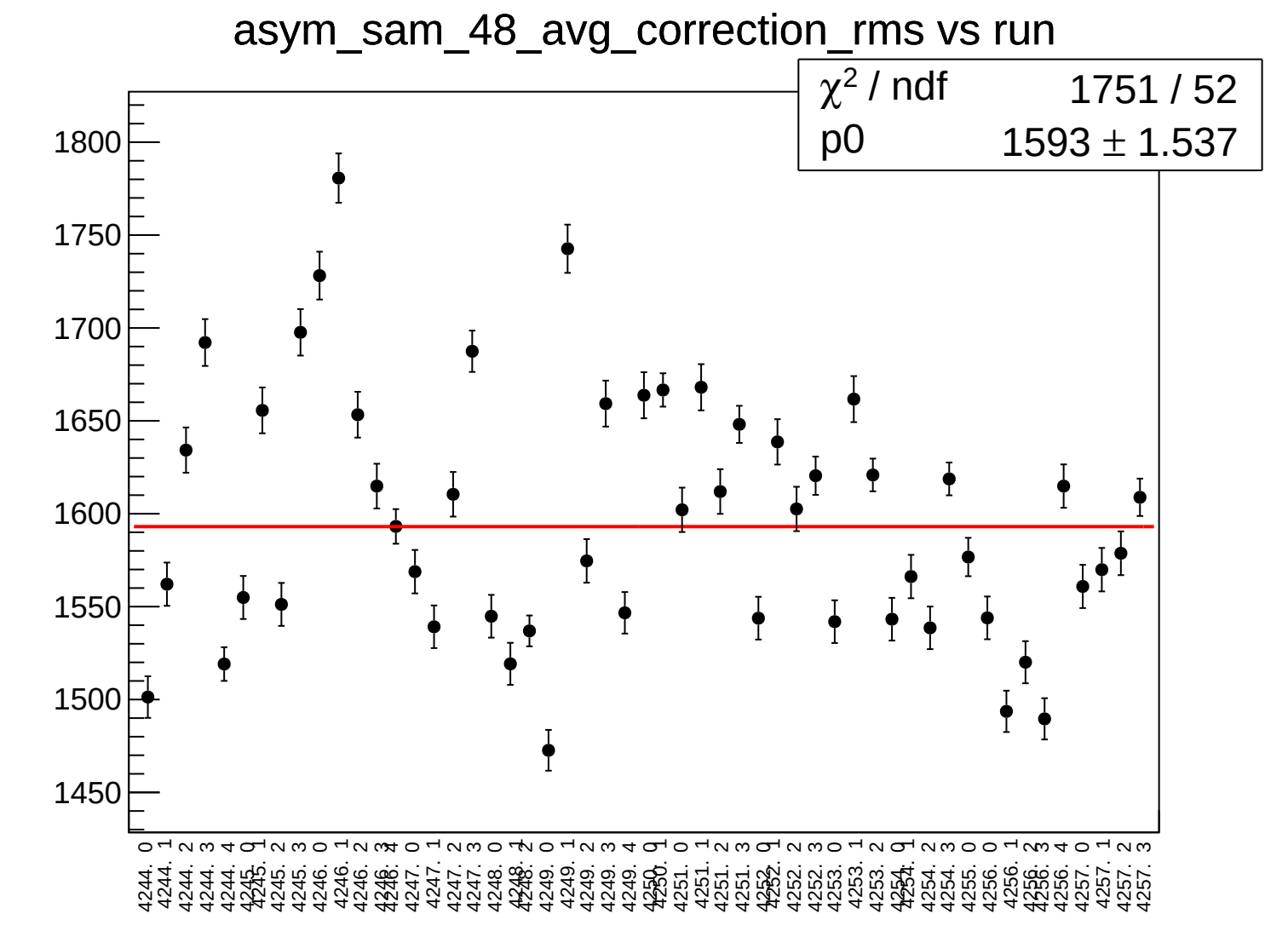

reg_asym_sam_48_avg_mean vs run
χ² / ndf 66.9 / 52
p0 439 ± 721.6
pull
Entries 53
Mean −18.62
Std Dev 38.93

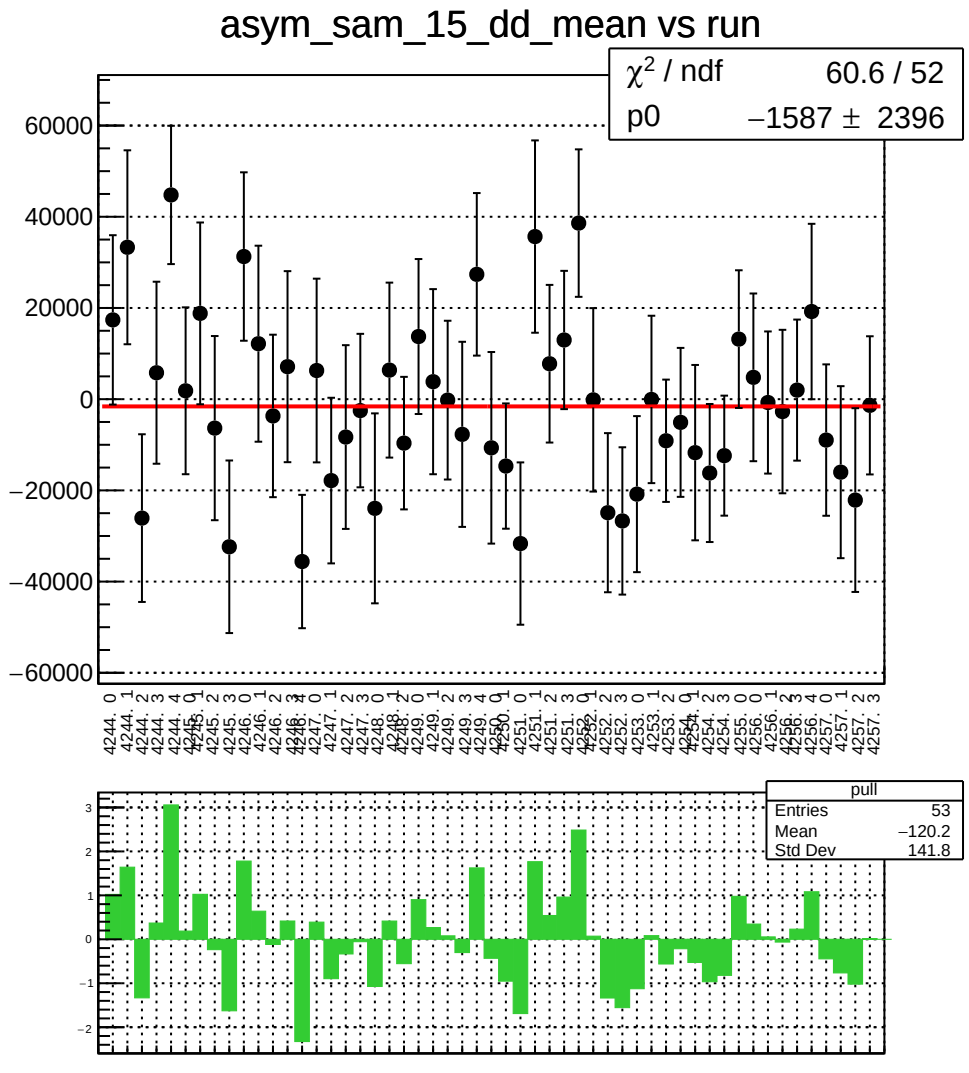

pull1D
Entries 53
Mean −0.03001
Std Dev 1.123

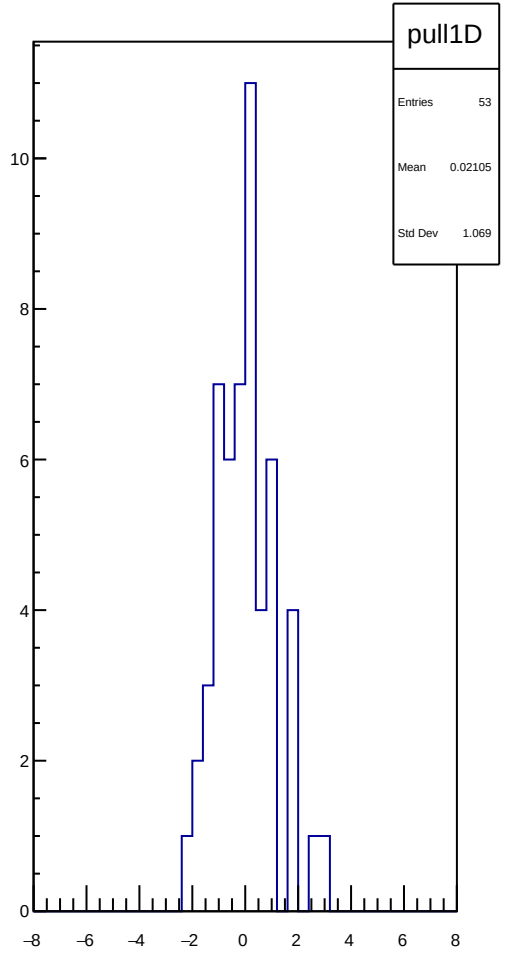

reg_asym_sam_48_avg_rms vs run
χ² / ndf 7090 / 52
p0 527.6 ± 0.5102
700
650
600
550
500
450
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

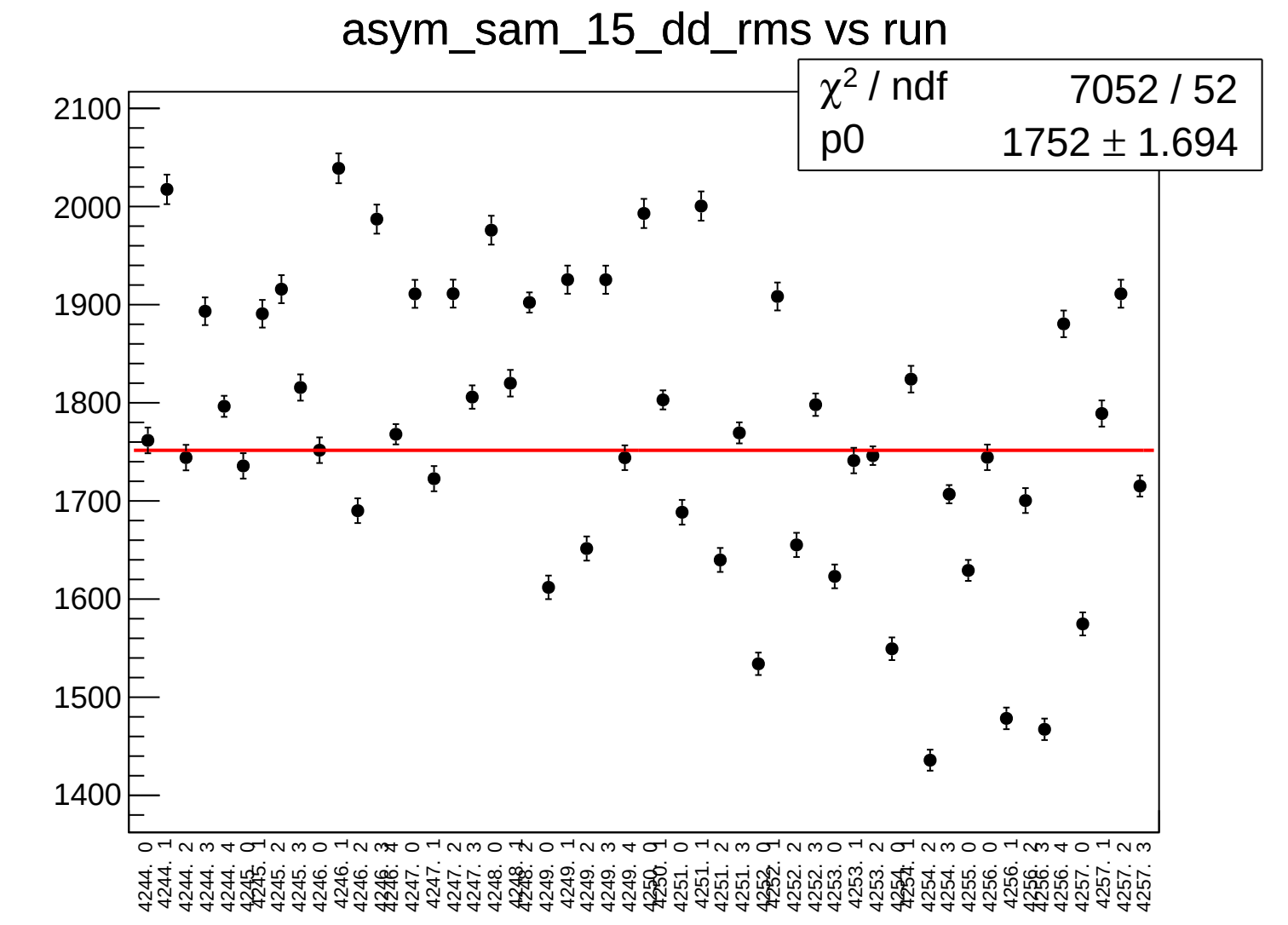

asym_sam_48_avg_correction_mean vs run
χ² / ndf 71.31 / 52
p0 −2050 ± 2173
pull
Entries 53
Mean −71.6
Std Dev 104.2

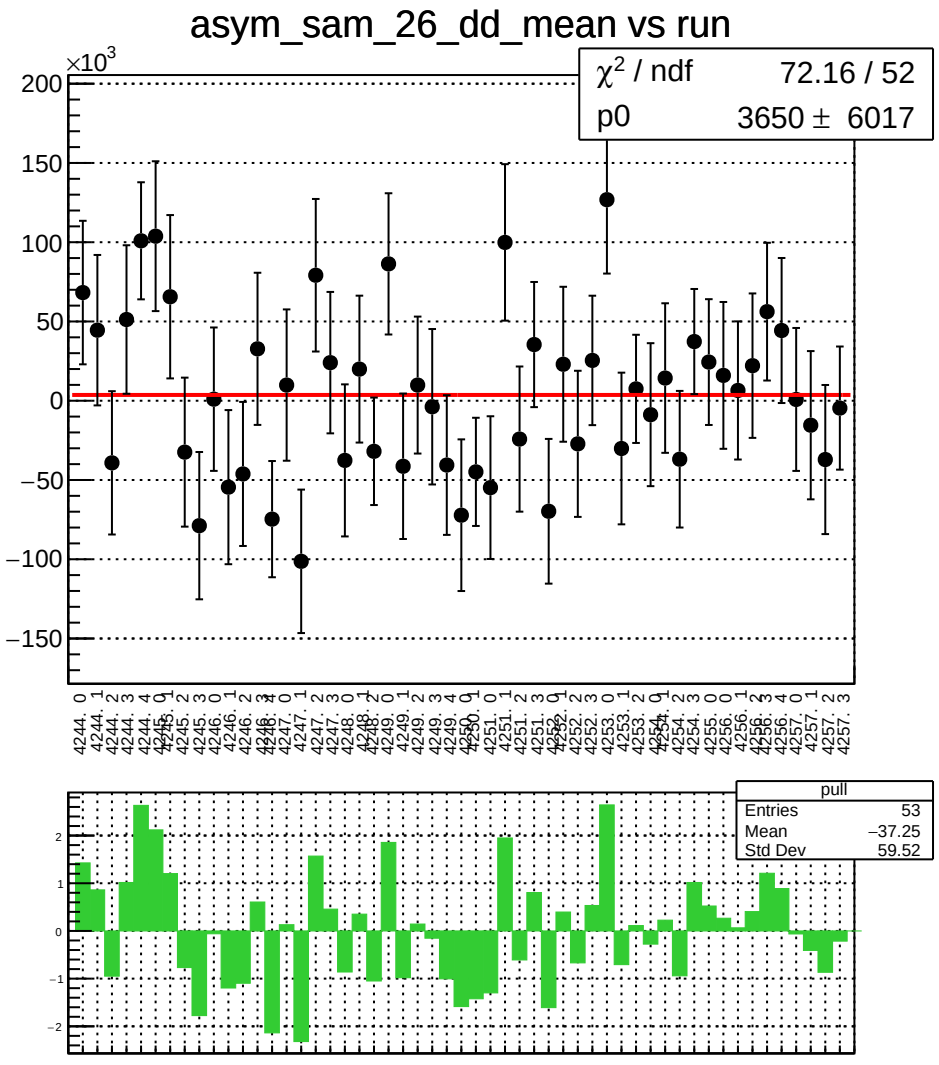

pull1D
Entries 53
Mean 0.01939
Std Dev 1.16

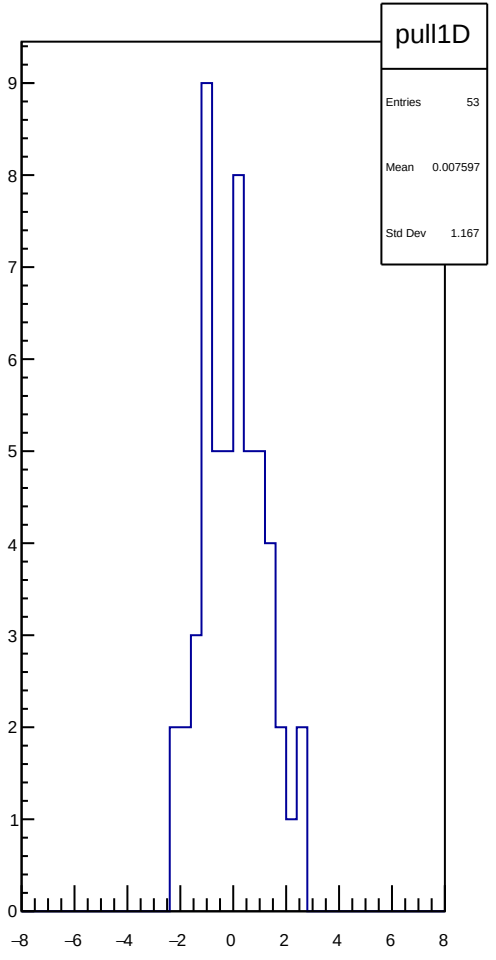

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1751 / 52
p0 1593 ± 1.537
1800
1750
1700
1650
1600
1550
1500
1450
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

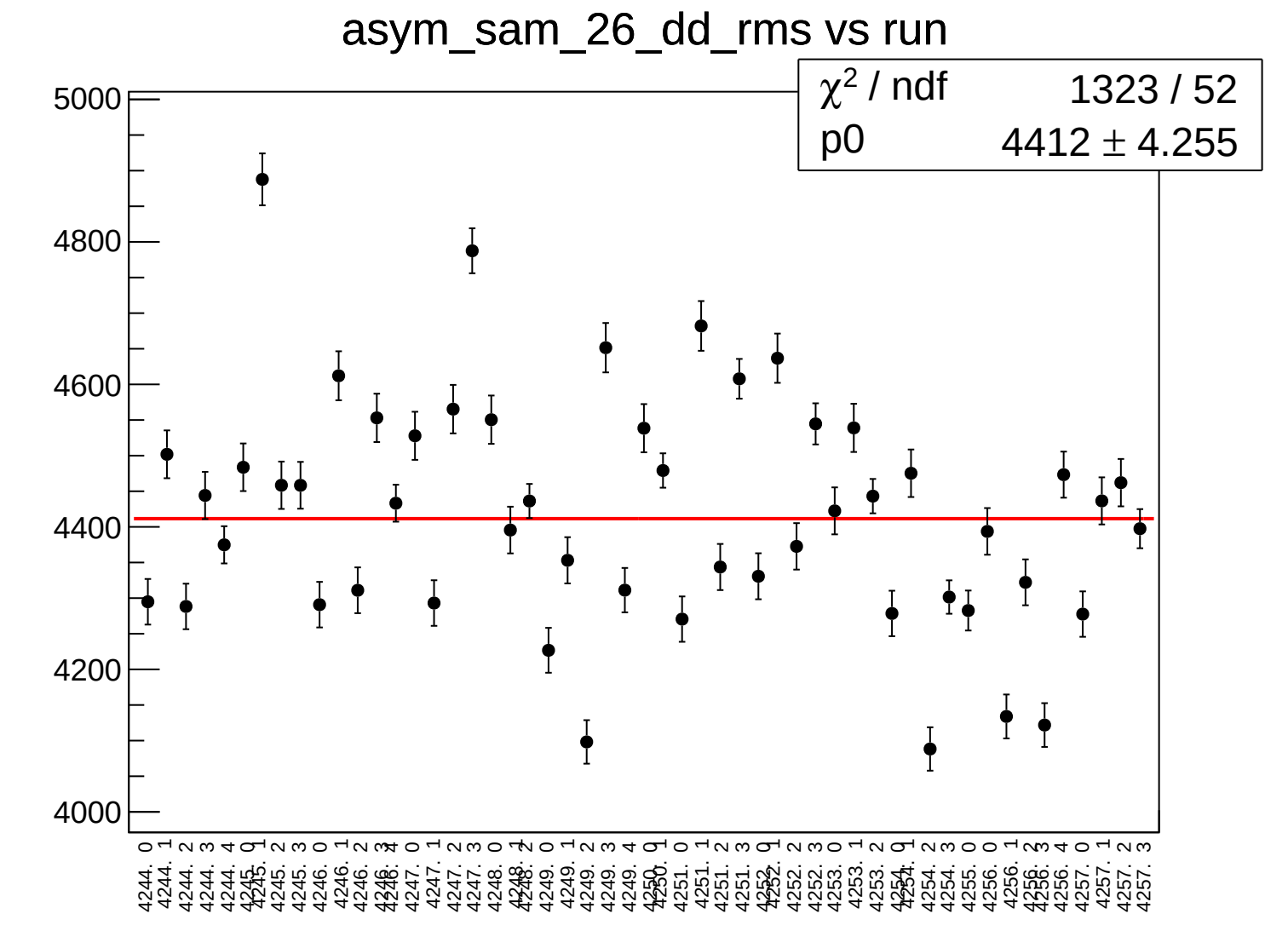

asym_sam_15_dd_mean vs run
χ² / ndf 60.6 / 52
p0 −1587 ± 2396
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −120.2
Std Dev 141.8
3
2
1
0
−1
−2

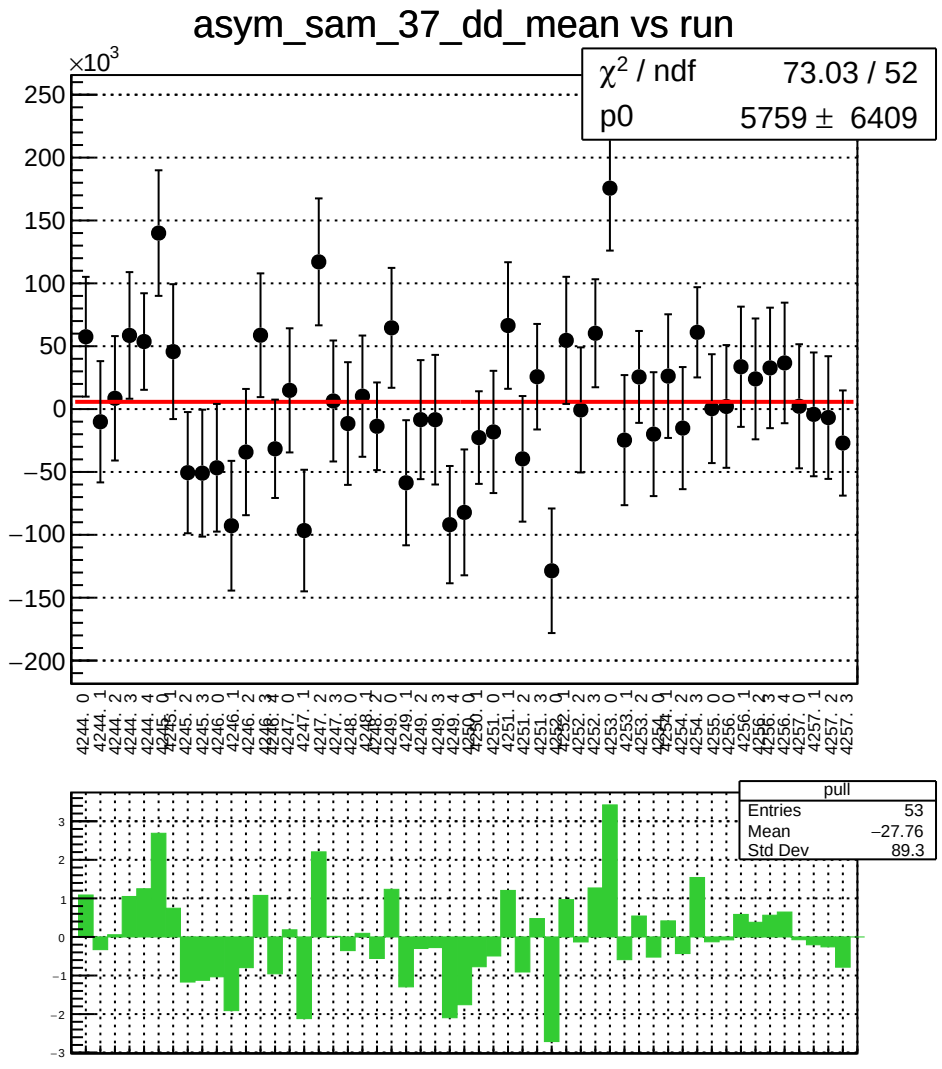

pull1D
Entries 53
Mean 0.02105
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

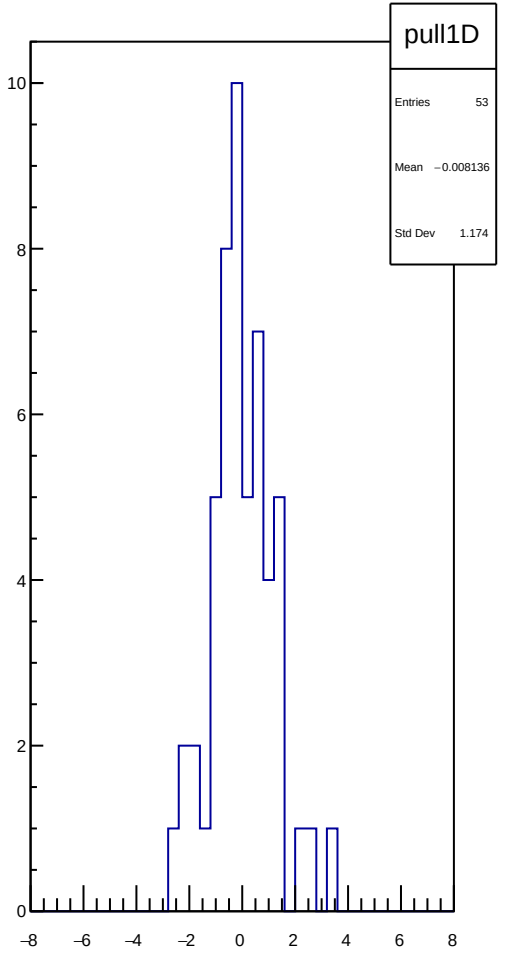

asym_sam_15_dd_rms vs run
χ² / ndf 7052 / 52
p0 1752 ± 1.694
2100
2000
1900
1800
1700
1600
1500
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

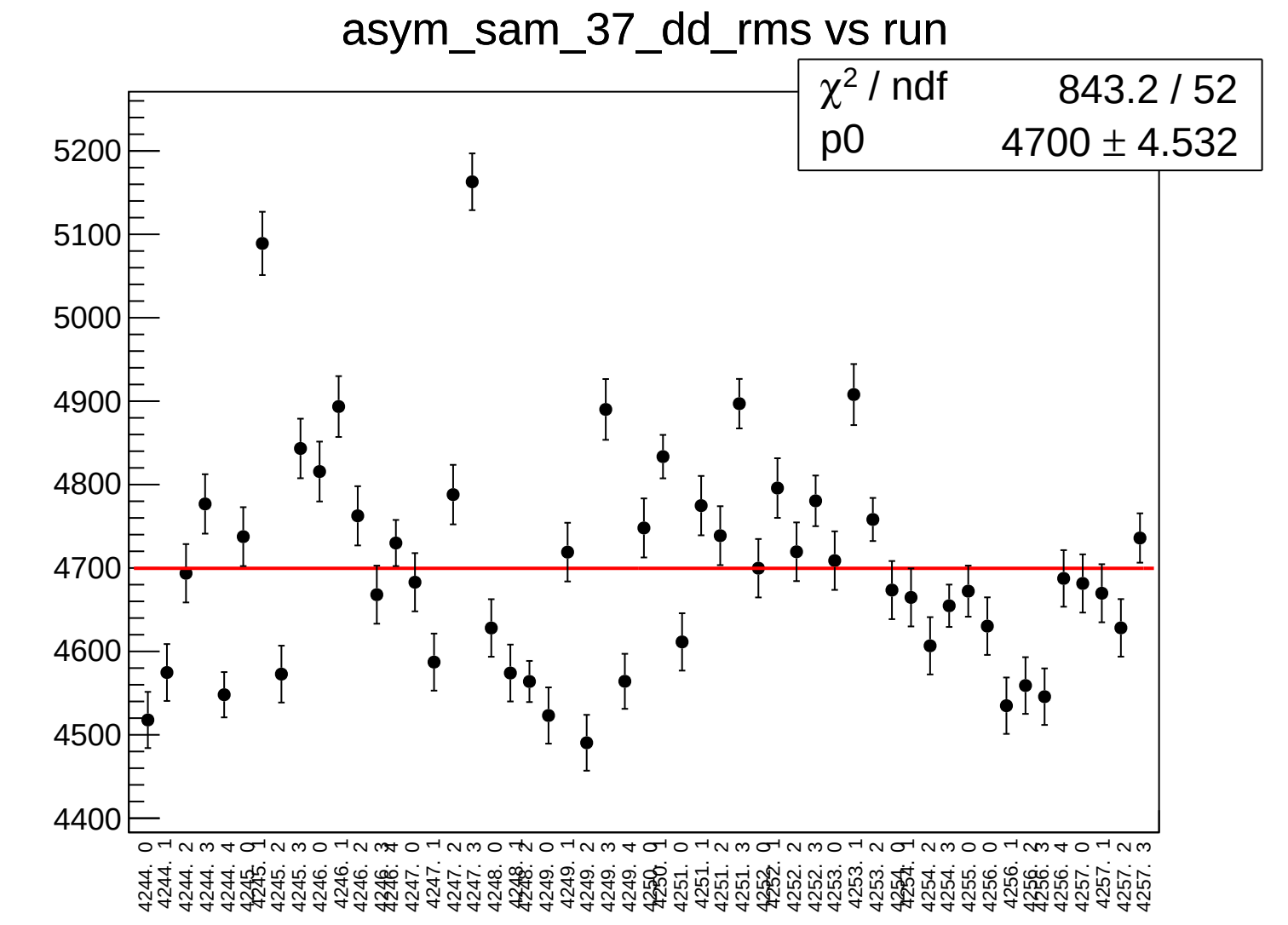

asym_sam_26_dd_mean vs run
χ² / ndf 72.16 / 52
p0 3650 ± 6017
×10³
pull
Entries 53
Mean −37.25
Std Dev 59.52

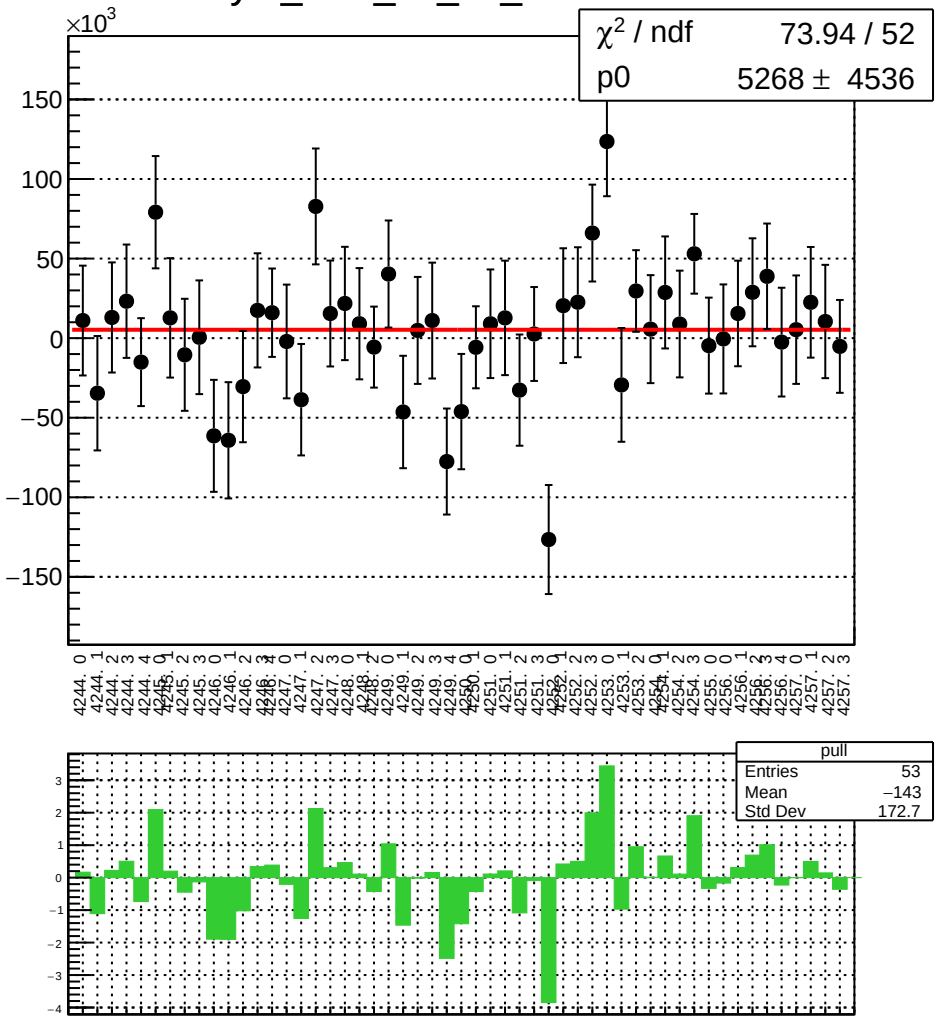

pull1D
Entries 53
Mean 0.007597
Std Dev 1.167

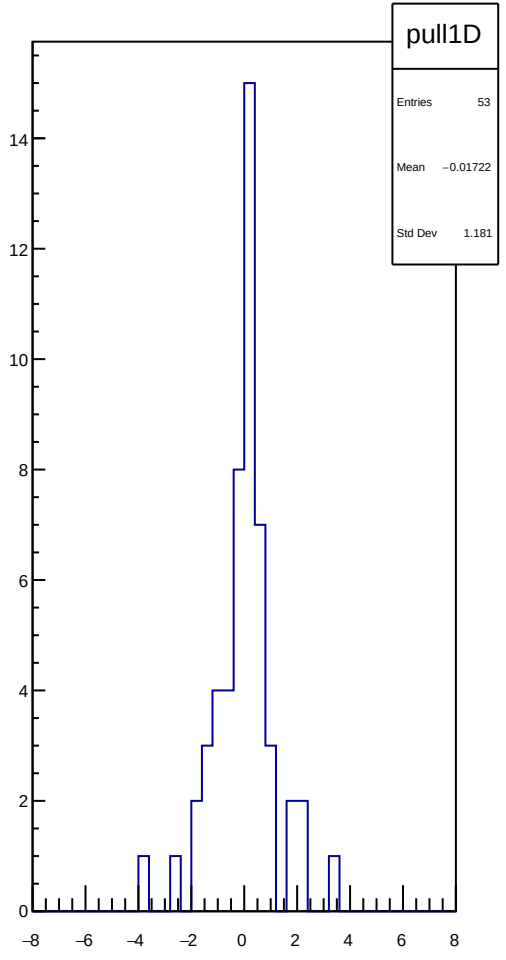

asym_sam_26_dd_rms vs run
χ² / ndf 1323 / 52
p0 4412 ± 4.255
5000
4800
4600
4400
4200
4000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

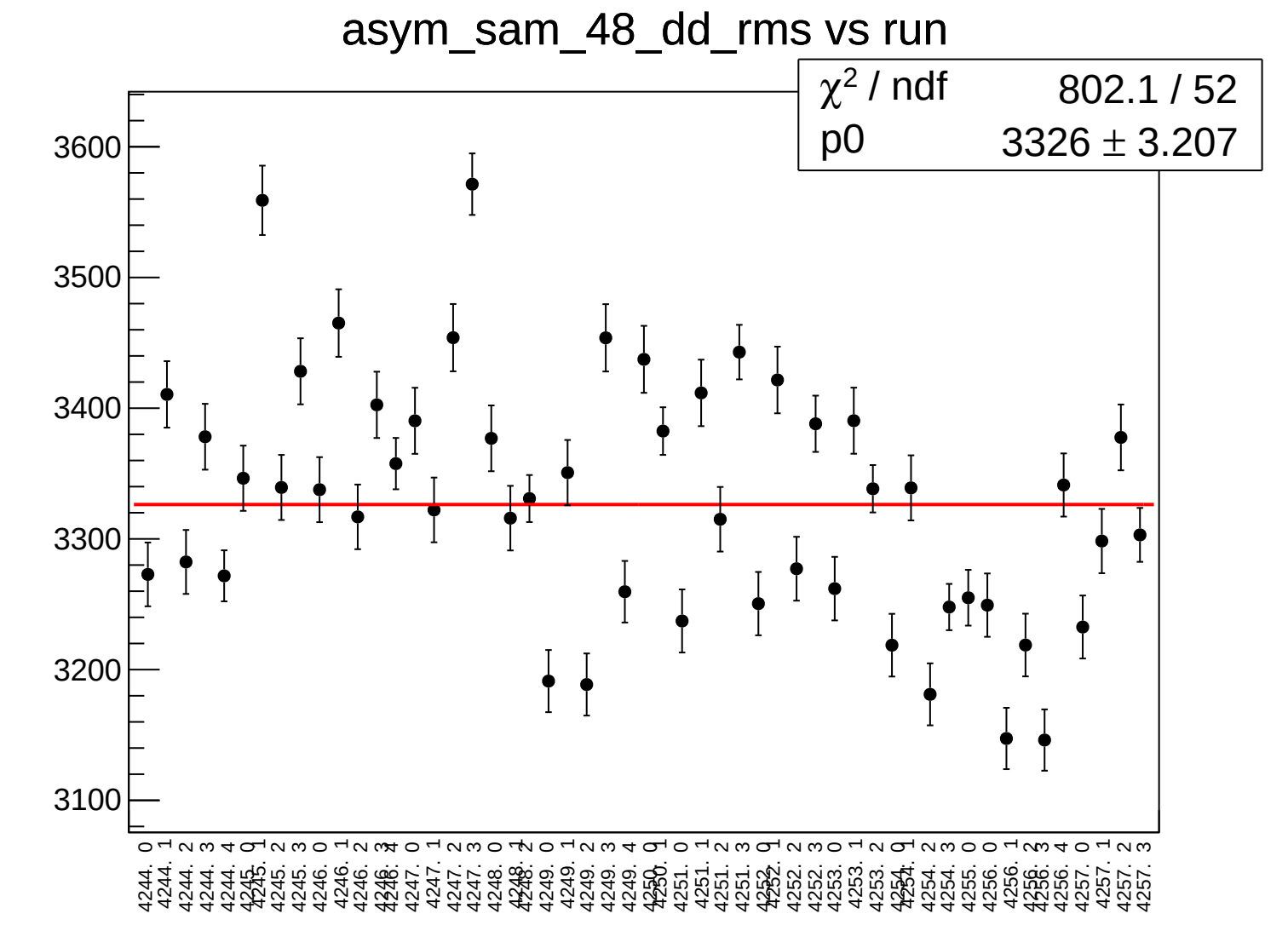

asym_sam_37_dd_mean vs run
×10^3
χ² / ndf 73.03 / 52
p0 5759 ± 6409
pull
Entries 53
Mean −27.76
Std Dev 89.3

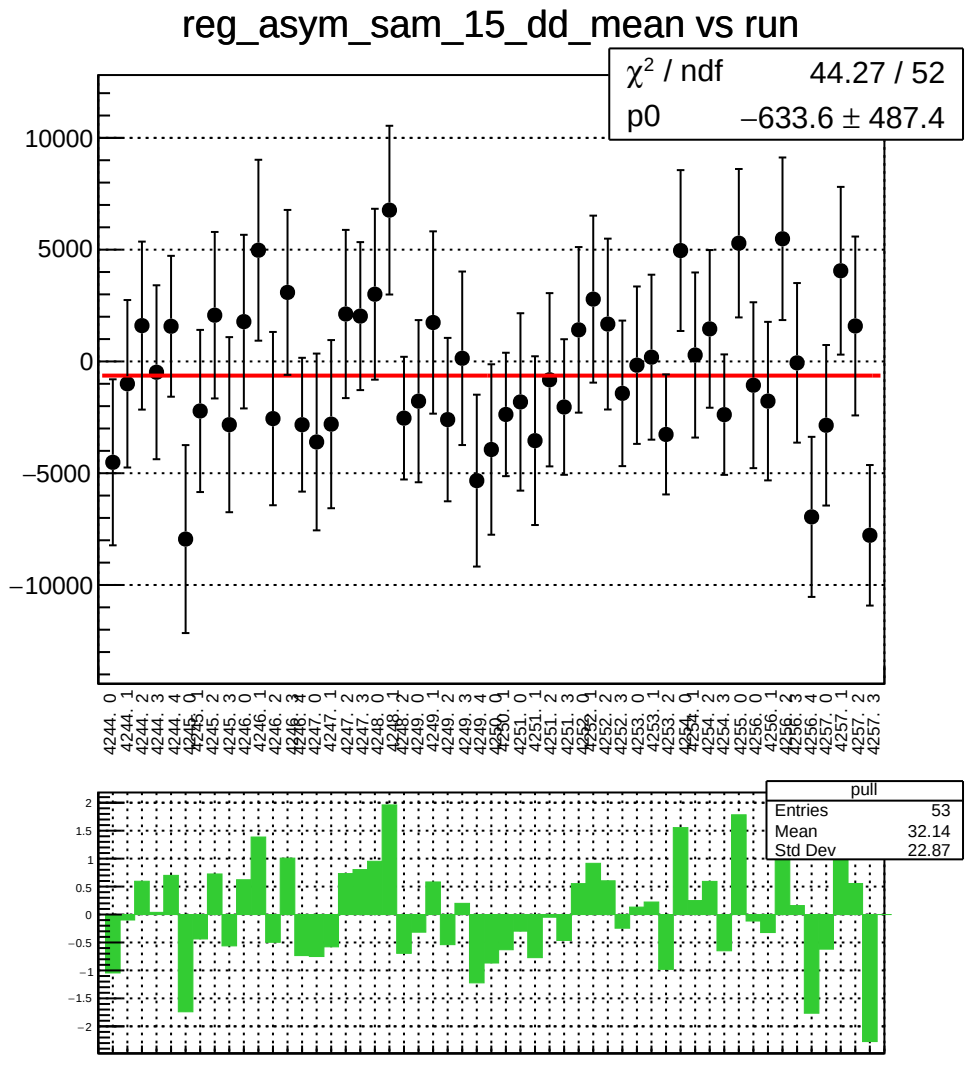

pull1D
Entries 53
Mean −0.008136
Std Dev 1.174

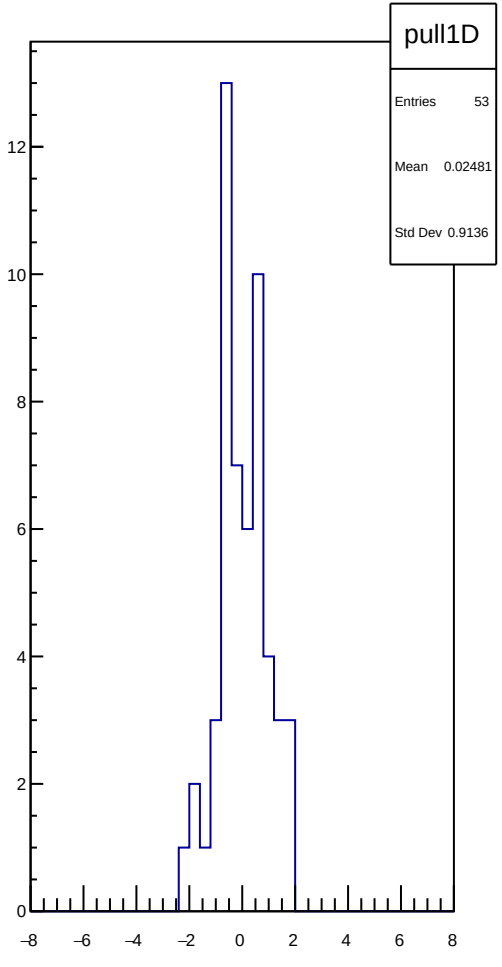

asym_sam_37_dd_rms vs run
χ^2 / ndf 843.2 / 52
p0 4700 ± 4.532
5200
5100
5000
4900
4800
4700
4600
4500
4400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

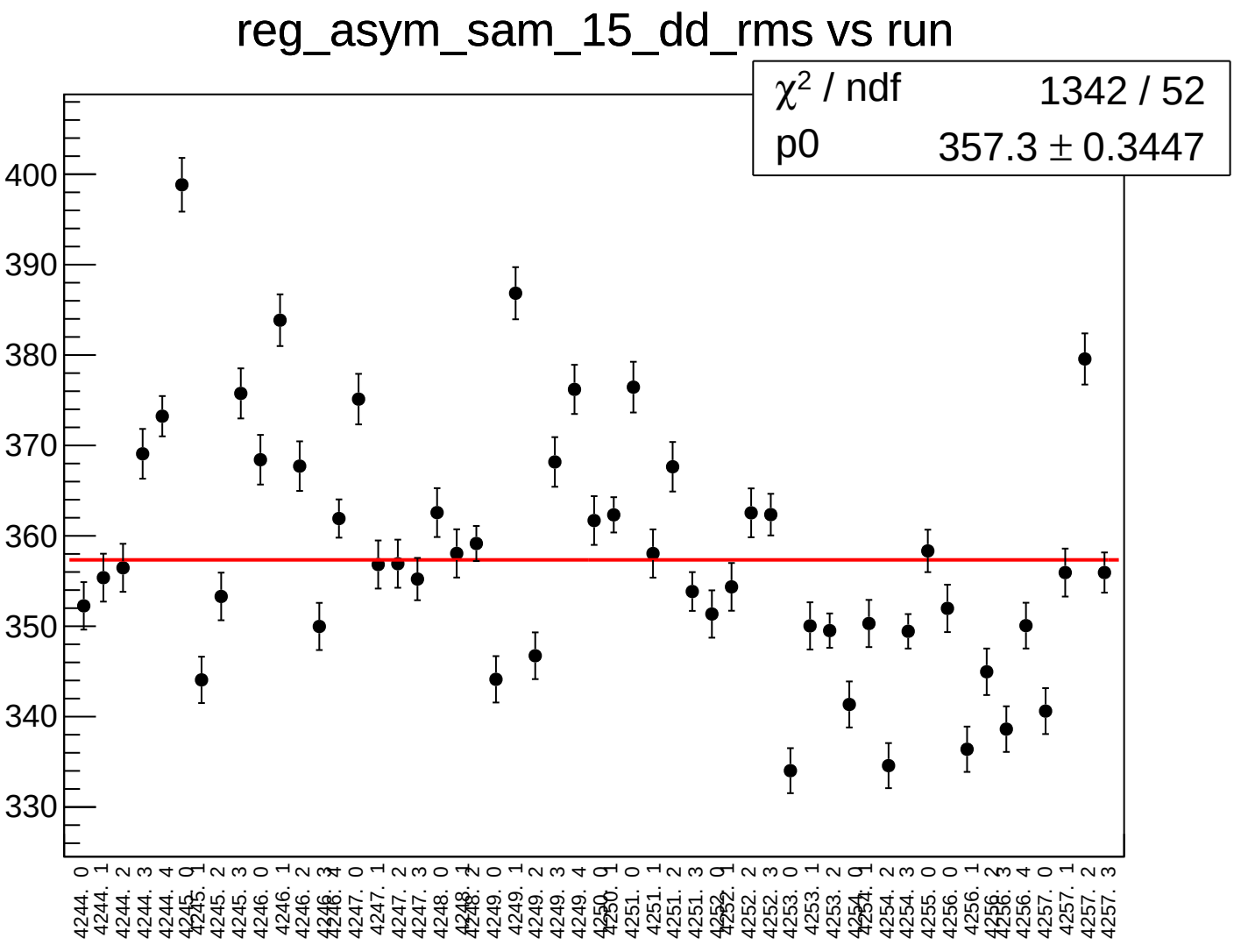

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 73.94 / 52
p0 5268 ± 4536
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −143
Std Dev 172.7
3
2
1
0
−1
−2
−3
−4

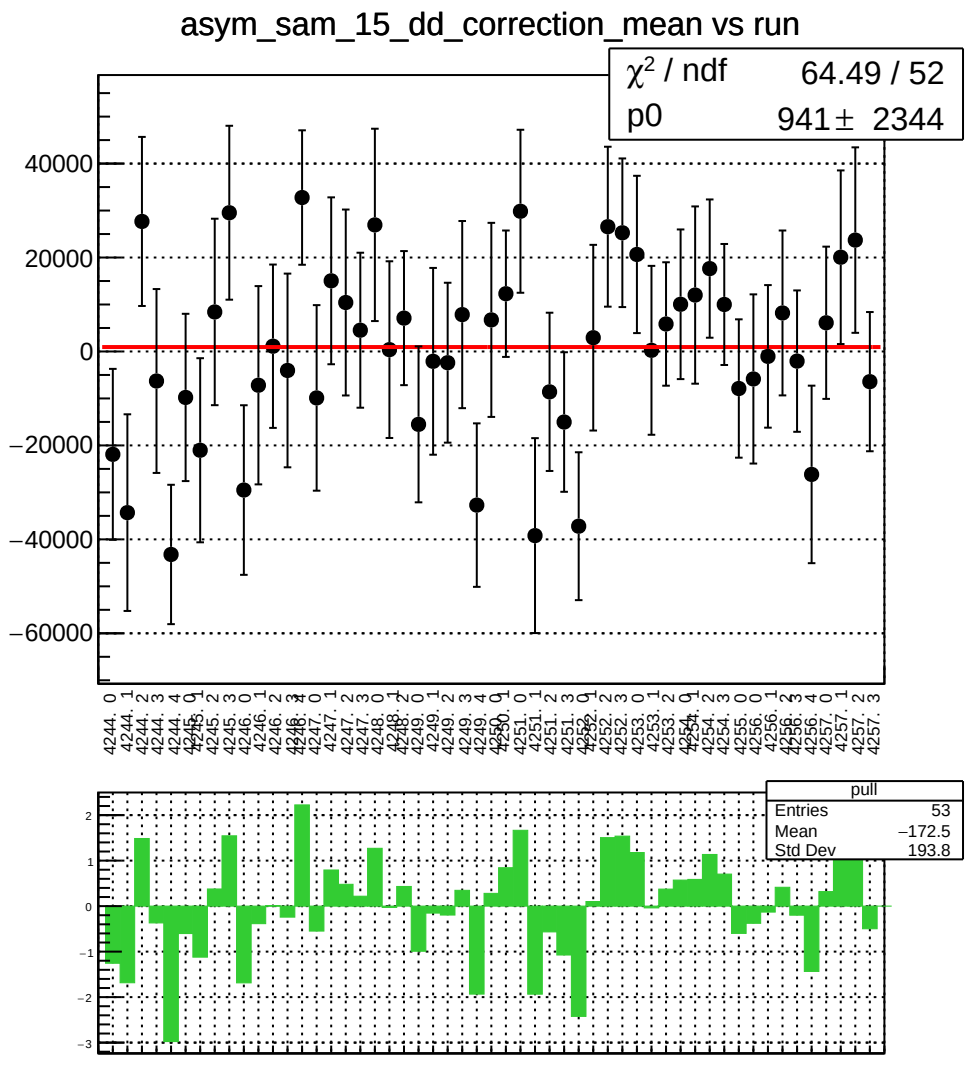

pull1D
Entries 53
Mean −0.01722
Std Dev 1.181
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

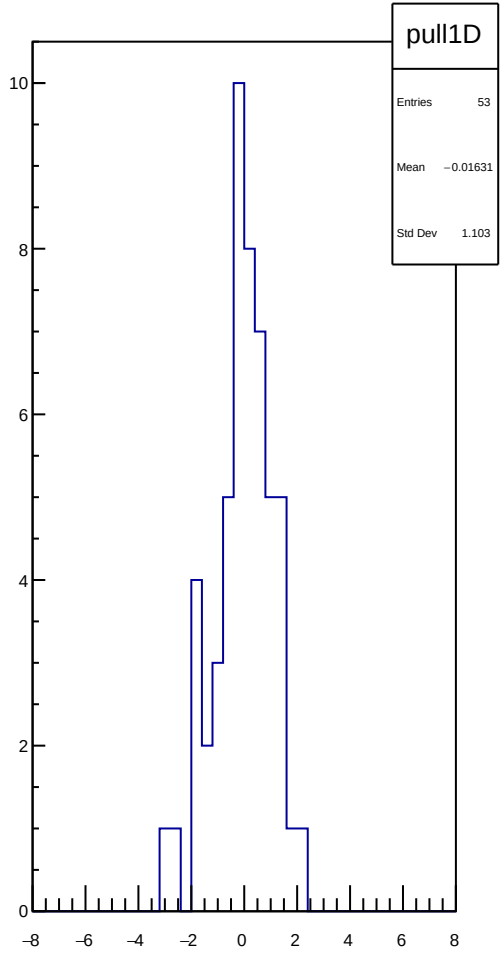

asym_sam_48_dd_rms vs run
χ² / ndf 802.1 / 52
p0 3326 ± 3.207
3600
3500
3400
3300
3200
3100
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

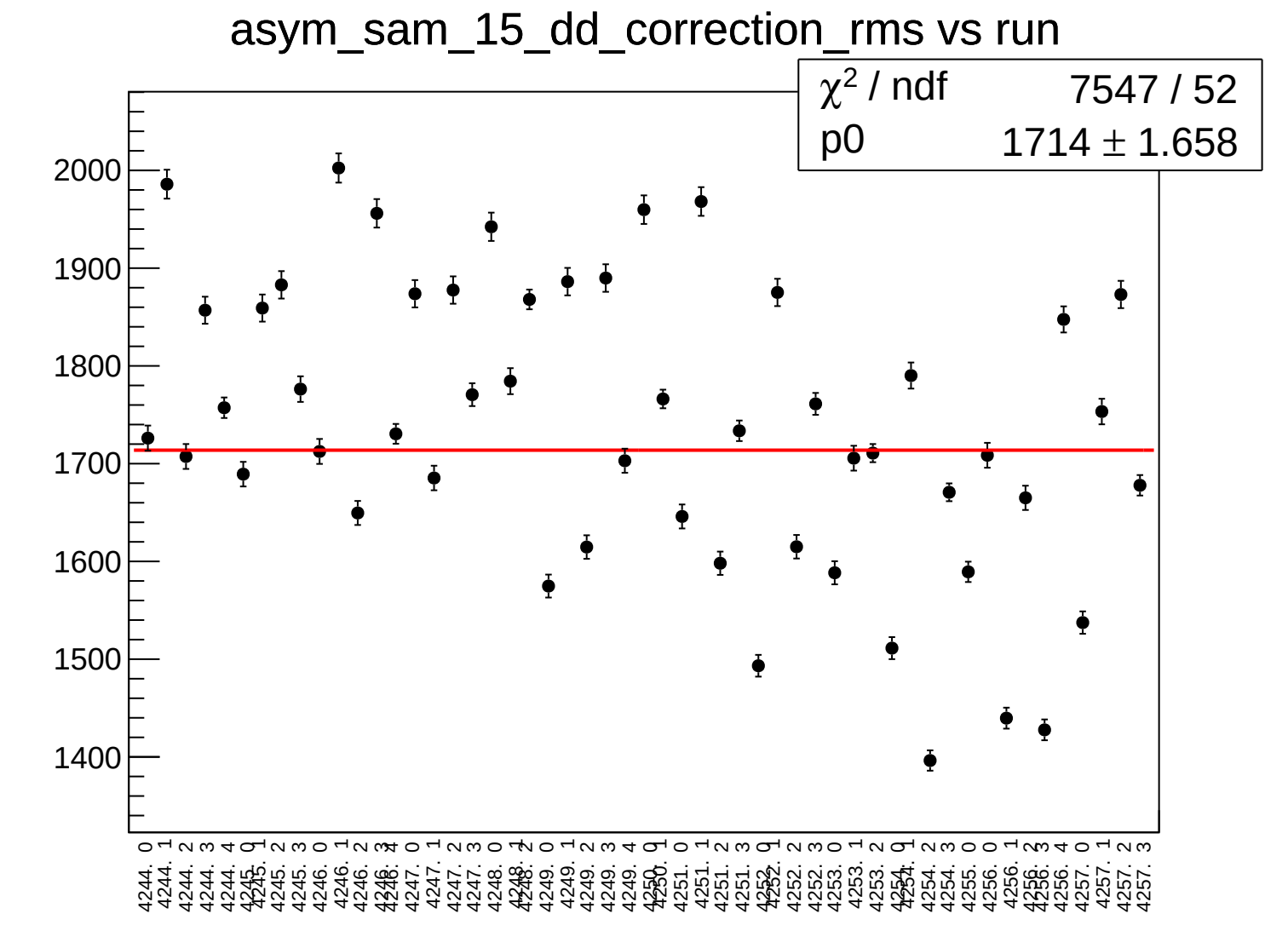

reg_asym_sam_15_dd_mean vs run
χ² / ndf 44.27 / 52
p0 −633.6 ± 487.4
10000
5000
0
−5000
−10000
pull
Entries 53
Mean 32.14
Std Dev 22.87
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

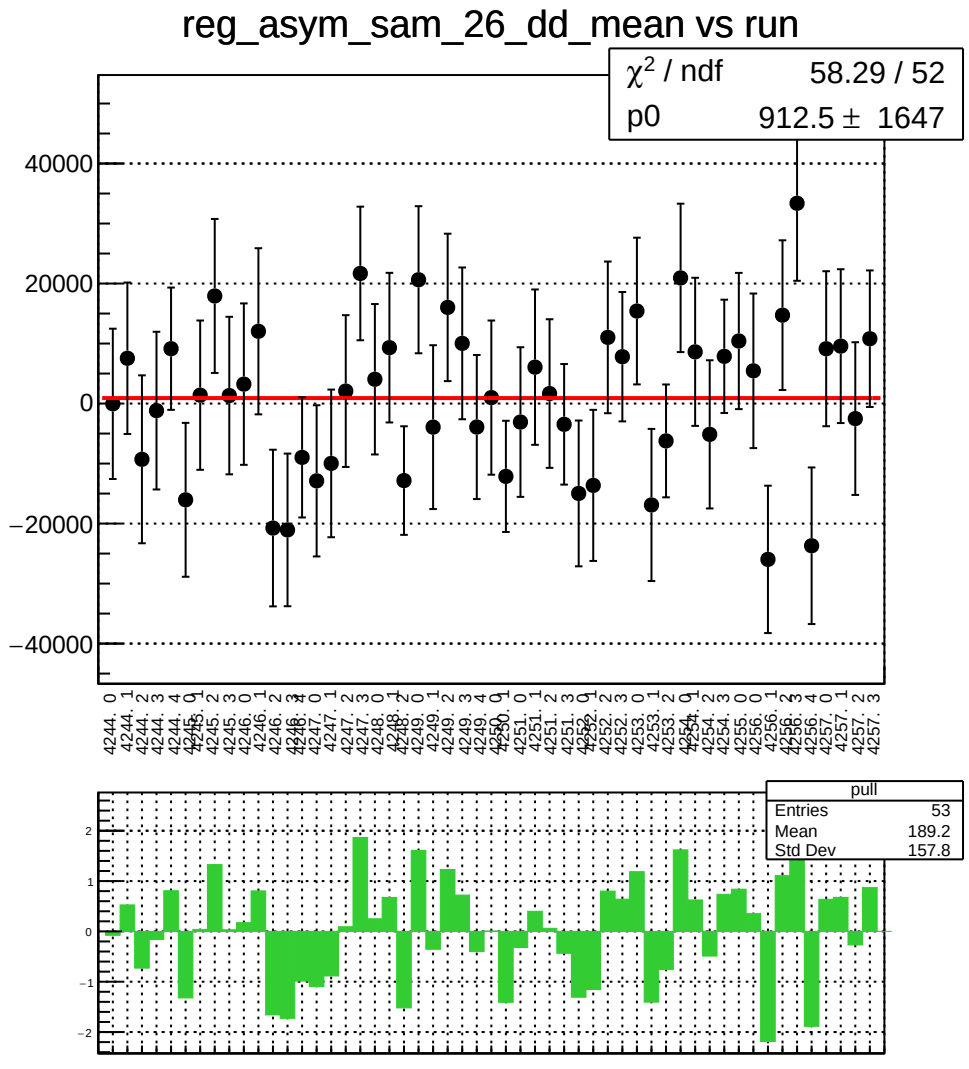

pull1D
Entries 53
Mean 0.02481
Std Dev 0.9136
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

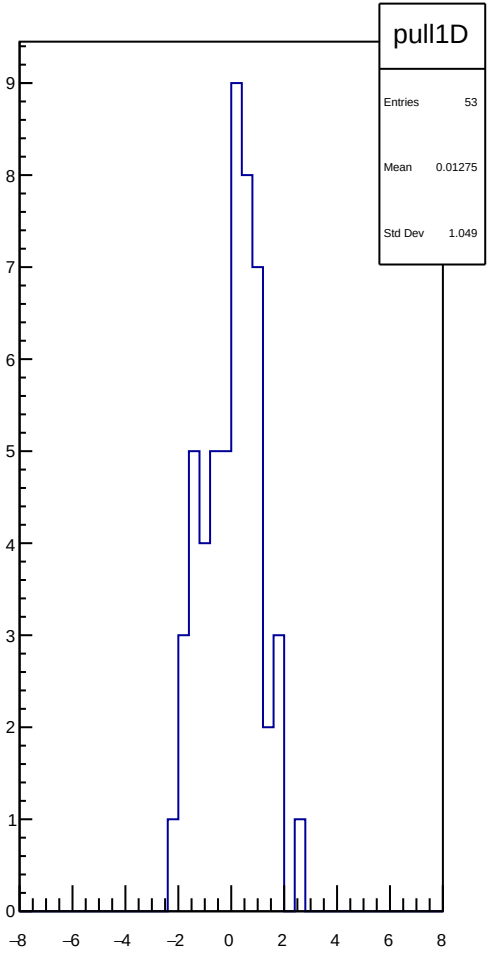

reg_asym_sam_15_dd_rms vs run
χ² / ndf 1342 / 52
p0 357.3 ± 0.3447
400
390
380
370
360
350
340
330
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

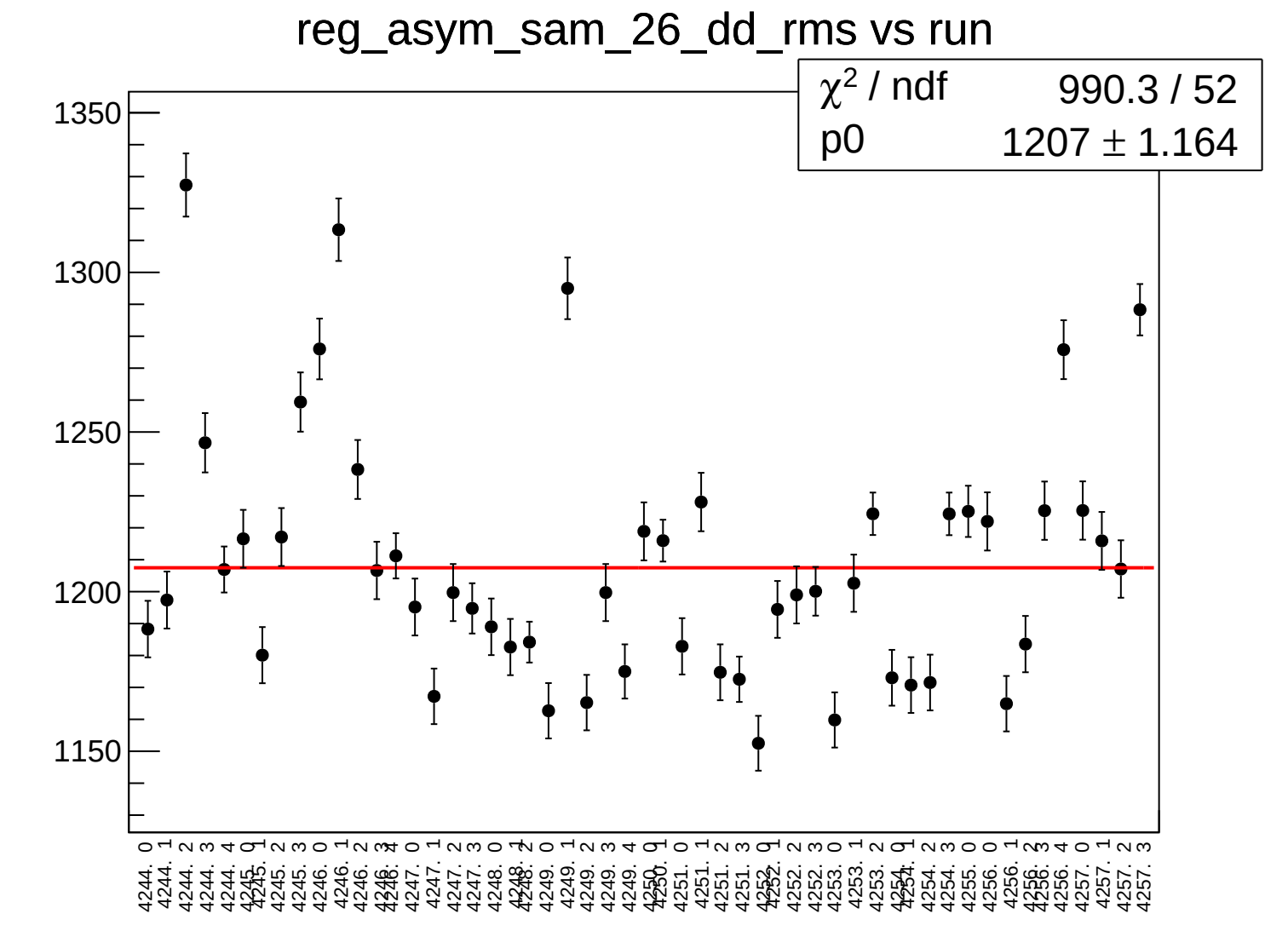

asym_sam_15_dd_correction_mean vs run
χ² / ndf 64.49 / 52
p0 941 ± 2344
40000
20000
0
−20000
−40000
−60000
pull
Entries 53
Mean −172.5
Std Dev 193.8
2
1
0
−1
−2
−3

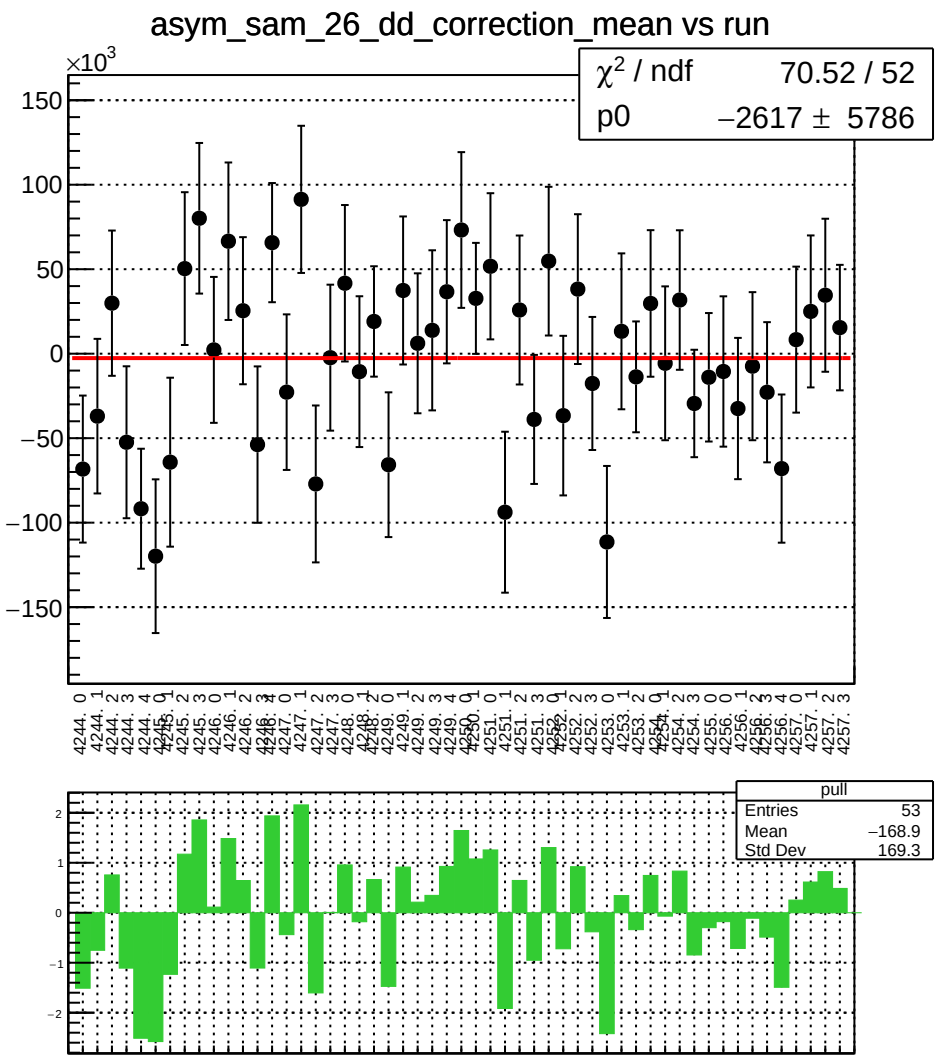

pull1D
Entries 53
Mean −0.01631
Std Dev 1.103
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

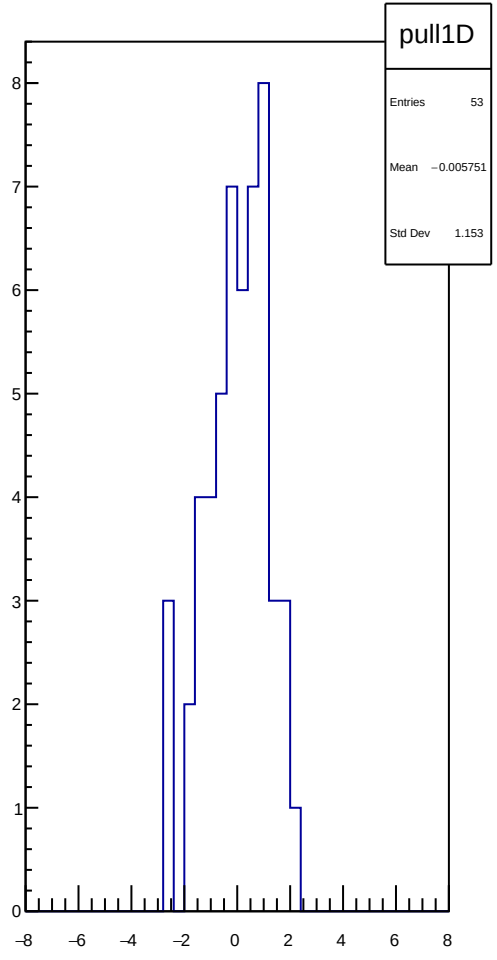

asym_sam_15_dd_correction_rms vs run
χ² / ndf 7547 / 52
p0 1714 ± 1.658
2000
1900
1800
1700
1600
1500
1400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

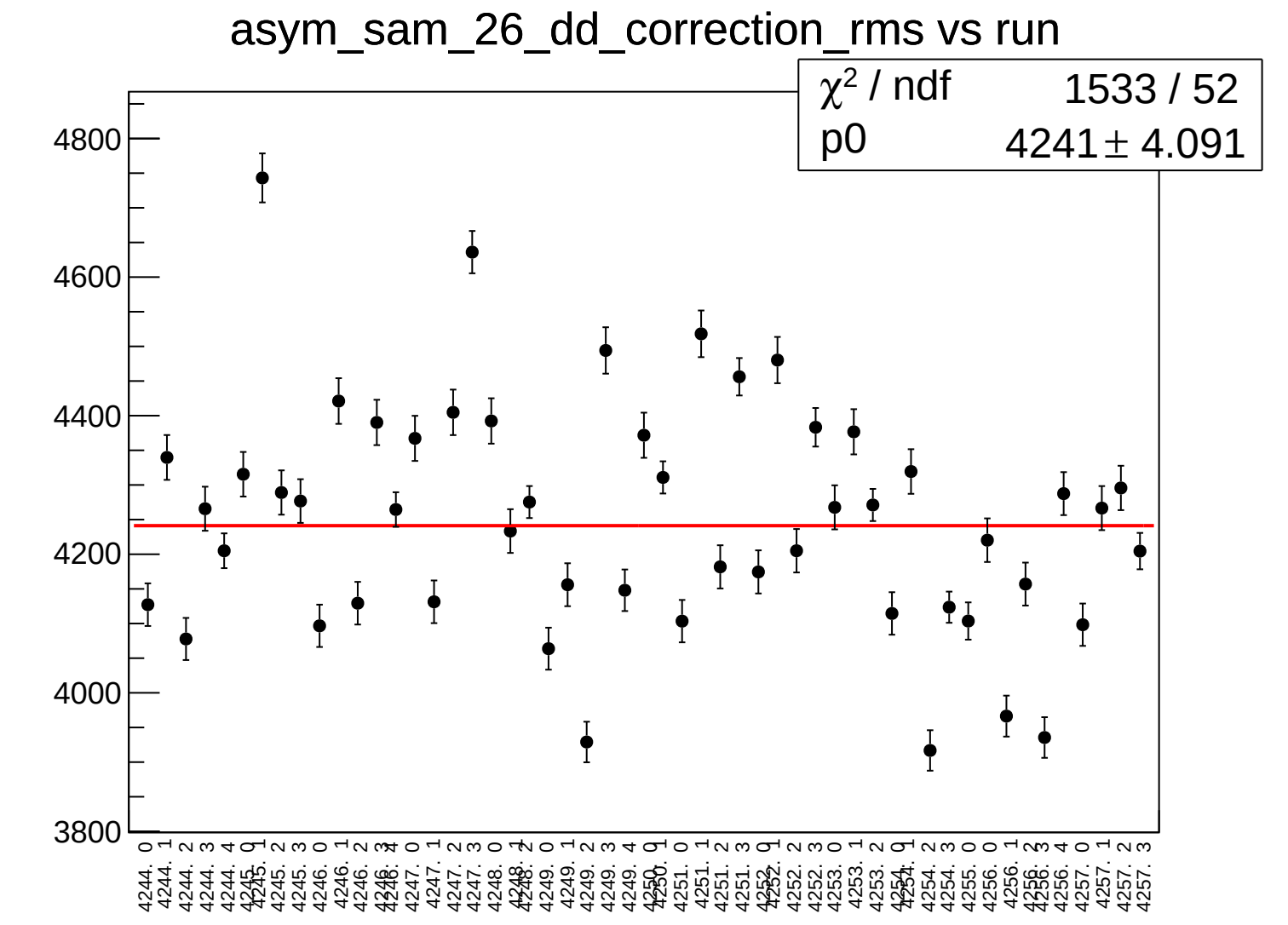

reg_asym_sam_26_dd_mean vs run
χ² / ndf 58.29 / 52
p0 912.5 ± 1647
40000
20000
0
−20000
−40000
pull
Entries 53
Mean 189.2
Std Dev 157.8
2
1
0
−1
−2

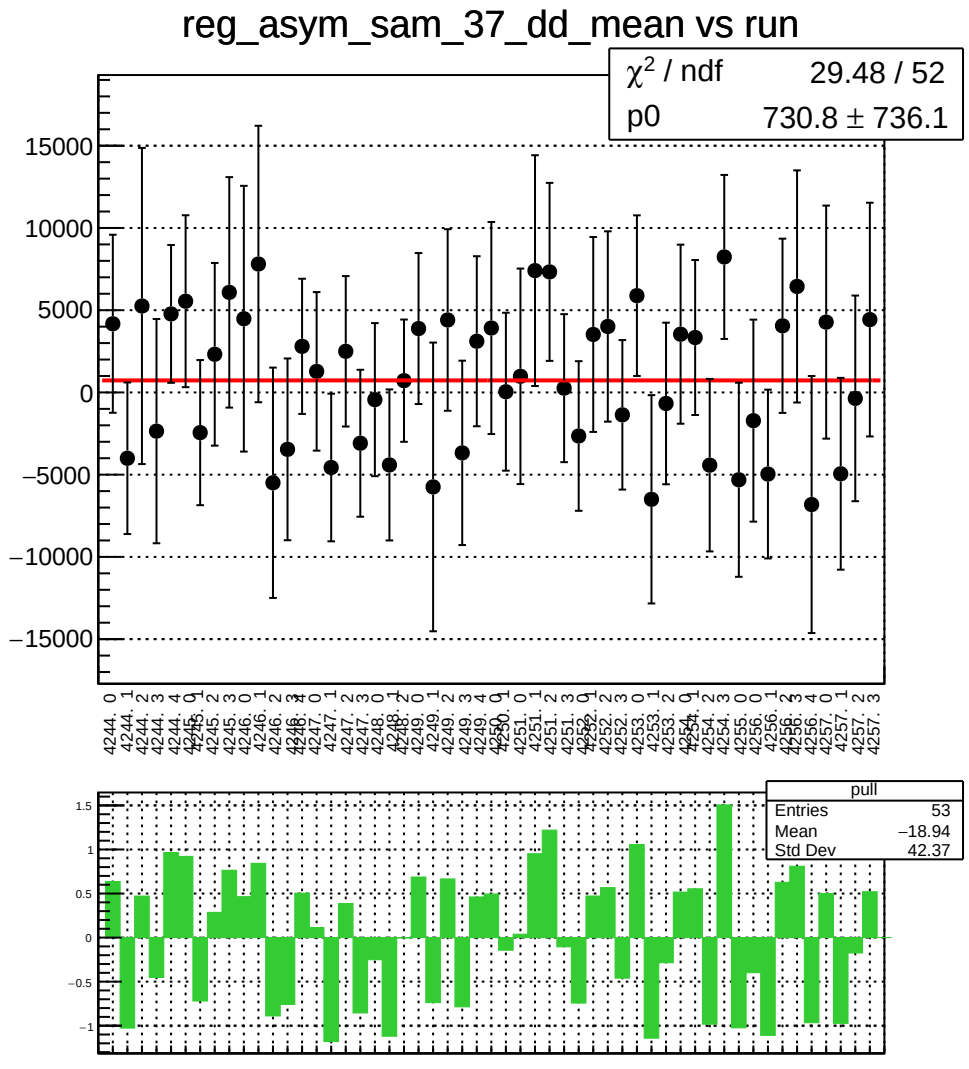

pull1D
Entries 53
Mean 0.01275
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

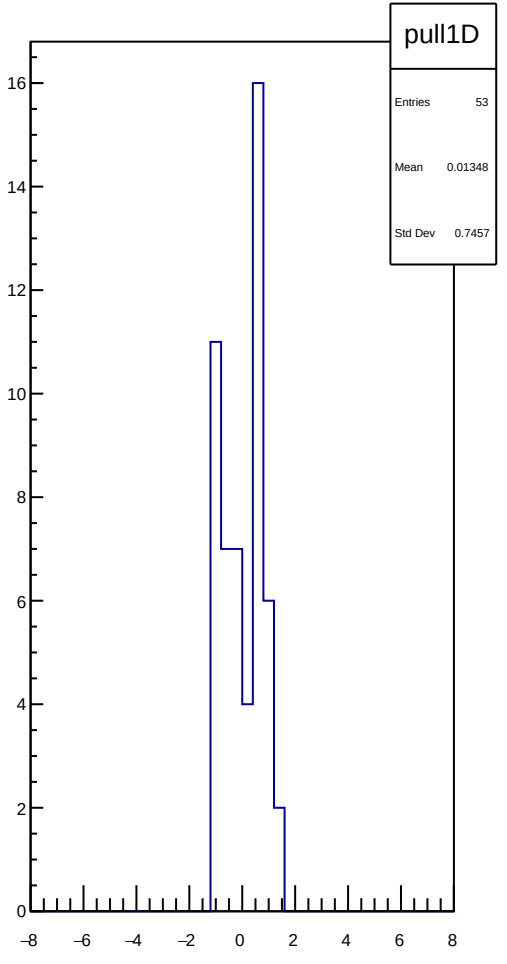

reg_asym_sam_26_dd_rms vs run
χ² / ndf 990.3 / 52
p0 1207 ± 1.164
1350
1300
1250
1200
1150
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

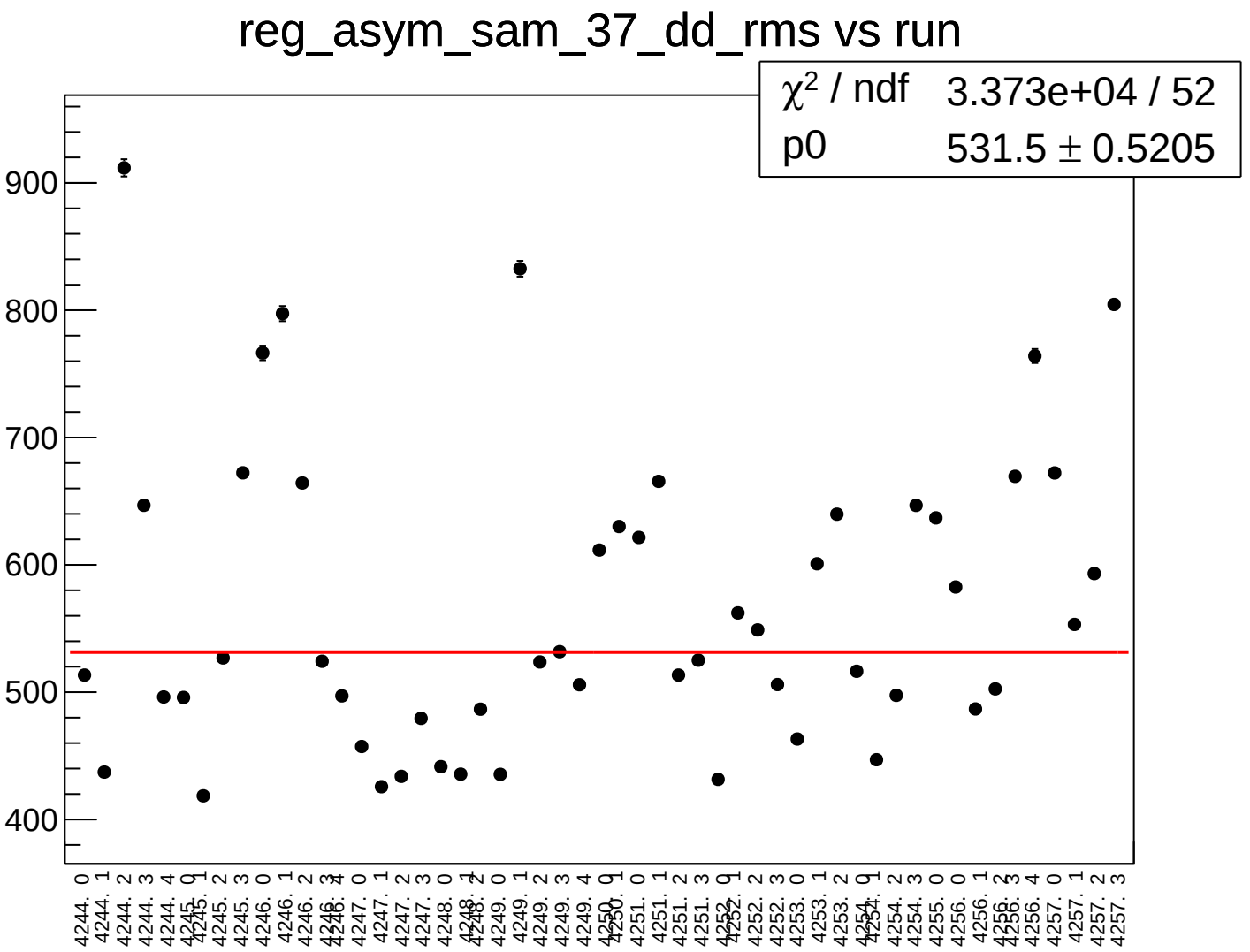

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 70.52 / 52
p0 −2617 ± 5786
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −168.9
Std Dev 169.3
2
1
0
−1
−2

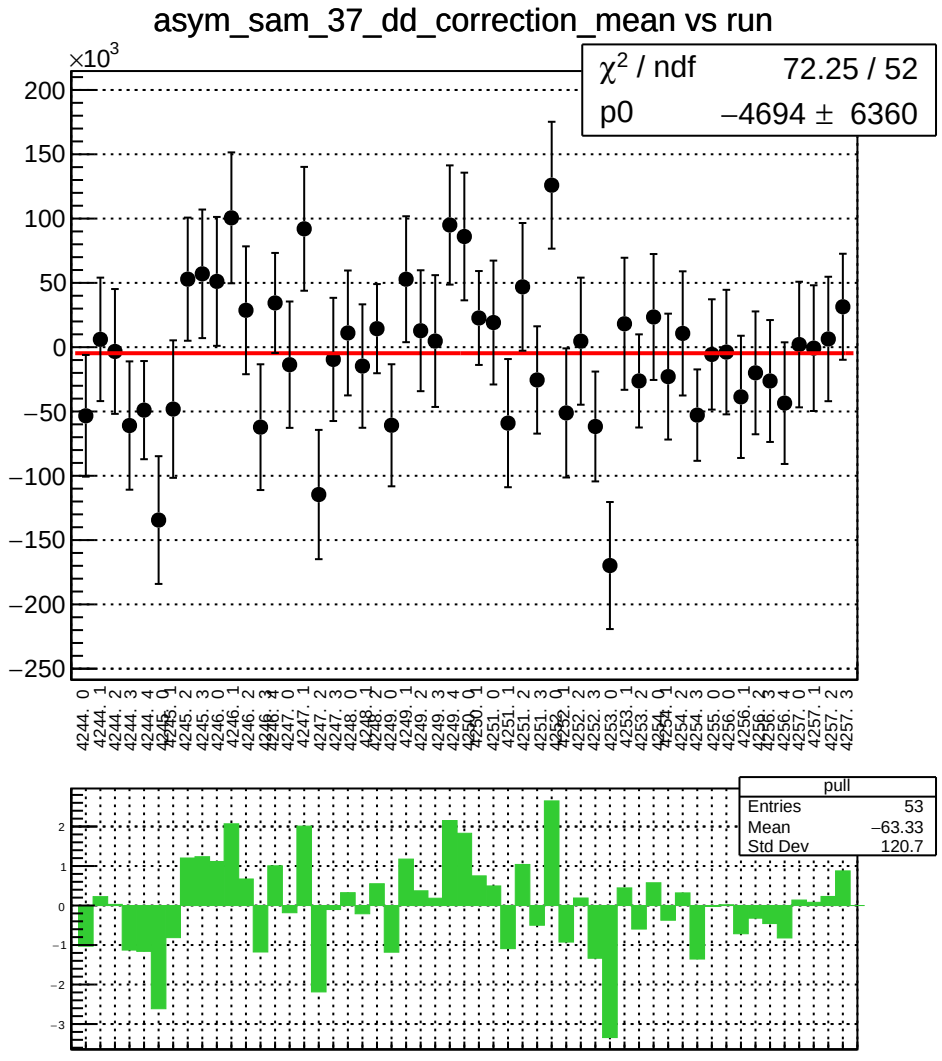

pull1D
Entries 53
Mean −0.005751
Std Dev 1.153
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

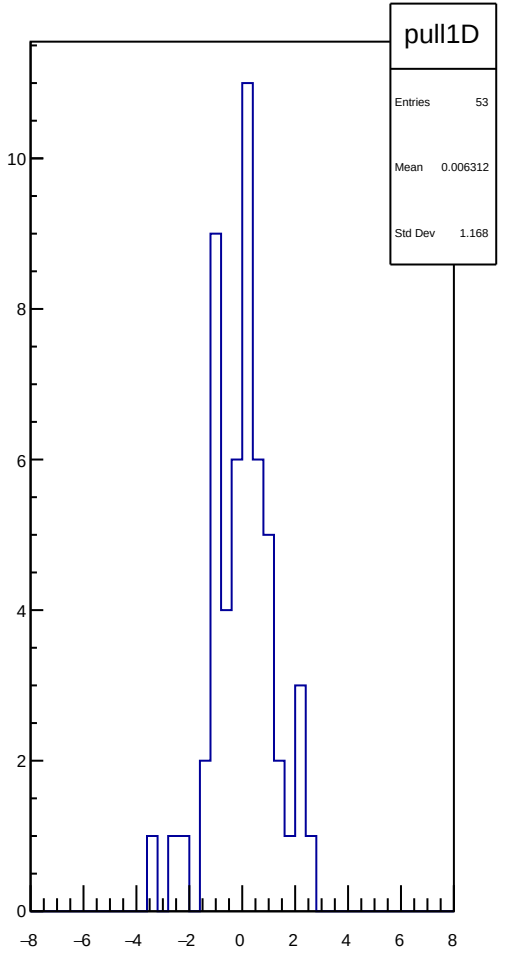

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1533 / 52
p0 4241 ± 4.091
4800
4600
4400
4200
4000
3800
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4253. 3
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

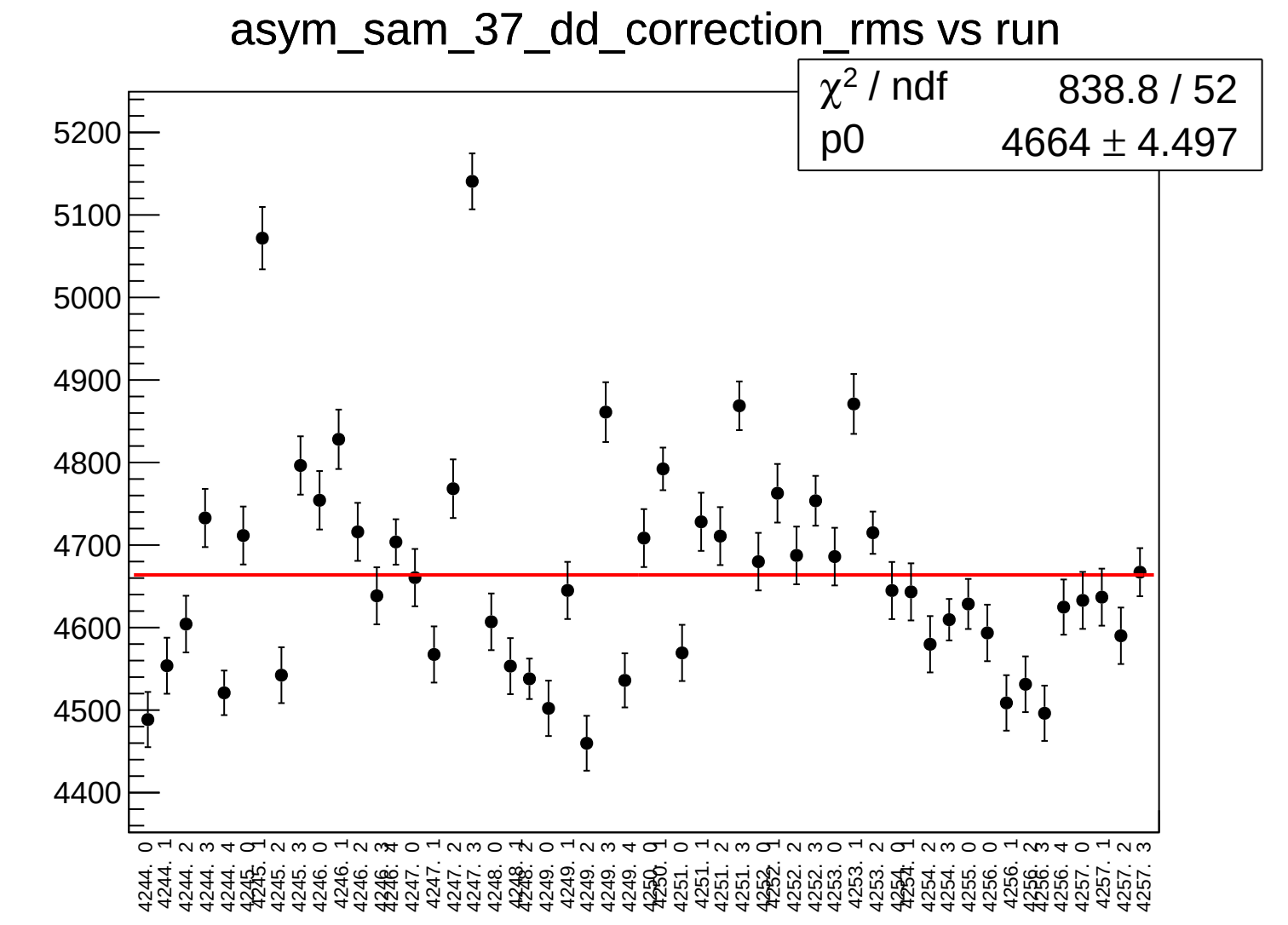

reg_asym_sam_37_dd_mean vs run
χ² / ndf 29.48 / 52
p0 730.8 ± 736.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 53
Mean −18.94
Std Dev 42.37
1.5
1
0.5
0
−0.5
−1

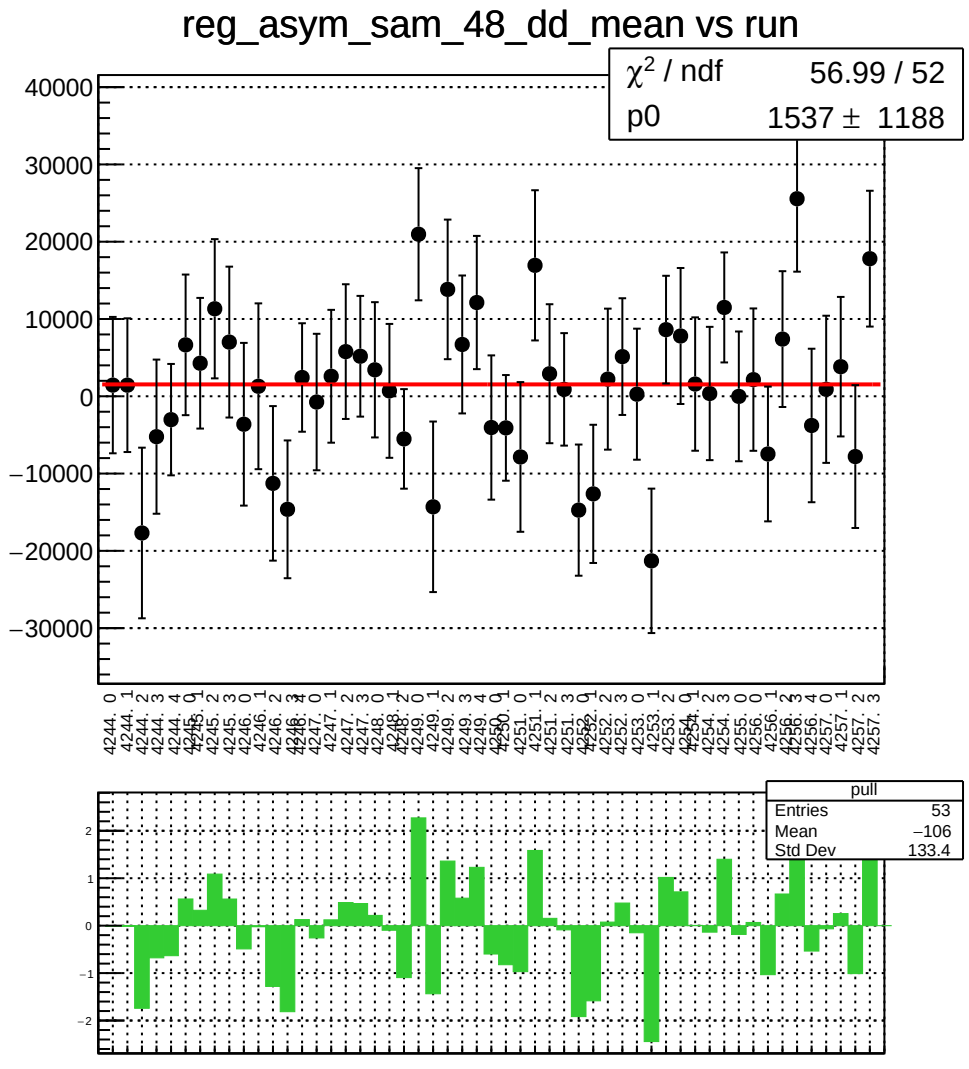

pull1D
Entries 53
Mean 0.01348
Std Dev 0.7457
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

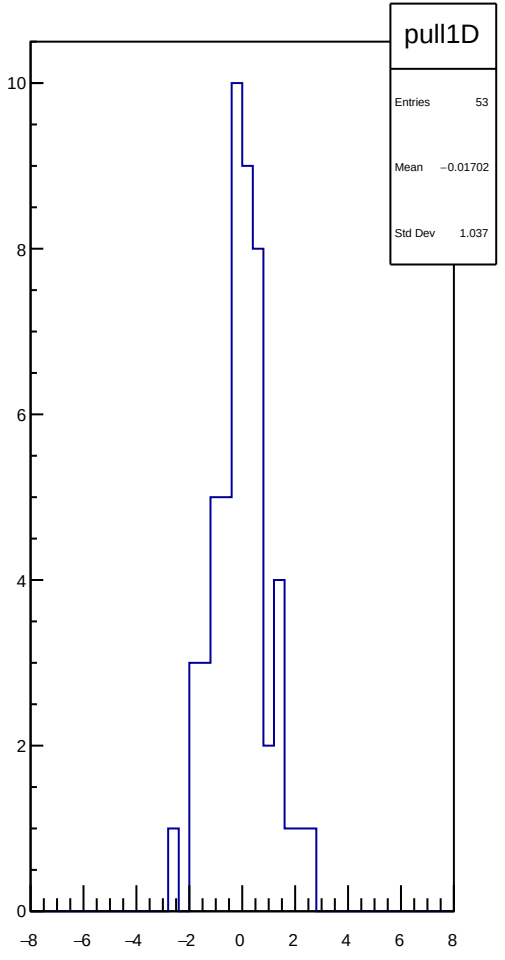

reg_asym_sam_37_dd_rms vs run
χ² / ndf 3.373e+04 / 52
p0 531.5 ± 0.5205
900
800
700
600
500
400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4246. 3
4246. 4
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4248. 1
4248. 2
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4250. 0
4250. 1
4251. 0
4251. 1
4251. 2
4251. 3
4252. 0
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 0
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 2
4256. 3
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

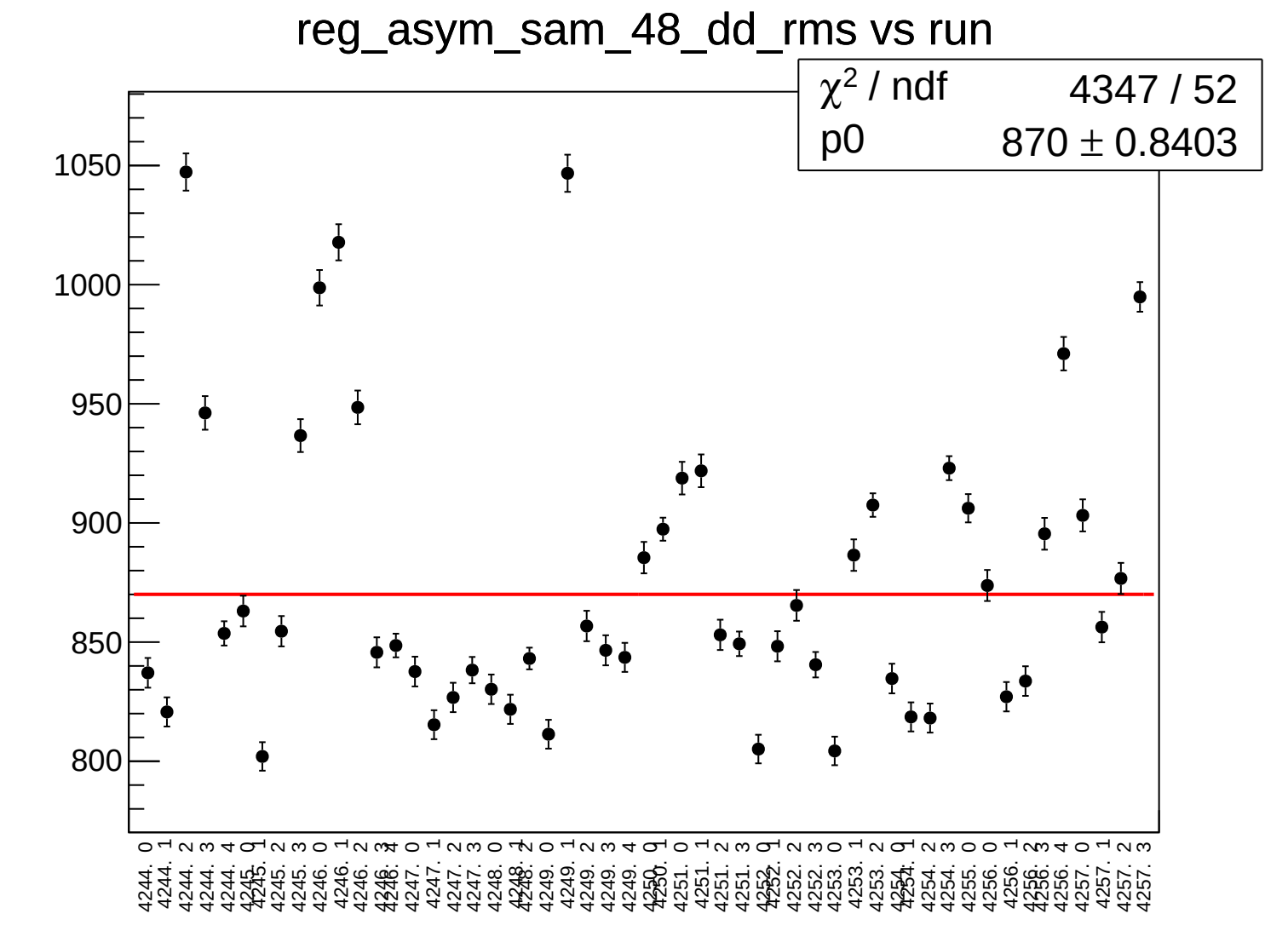

asym_sam_37_dd_correction_mean vs run
×10^3
χ² / ndf 72.25 / 52
p0 −4694 ± 6360
pull
Entries 53
Mean −63.33
Std Dev 120.7

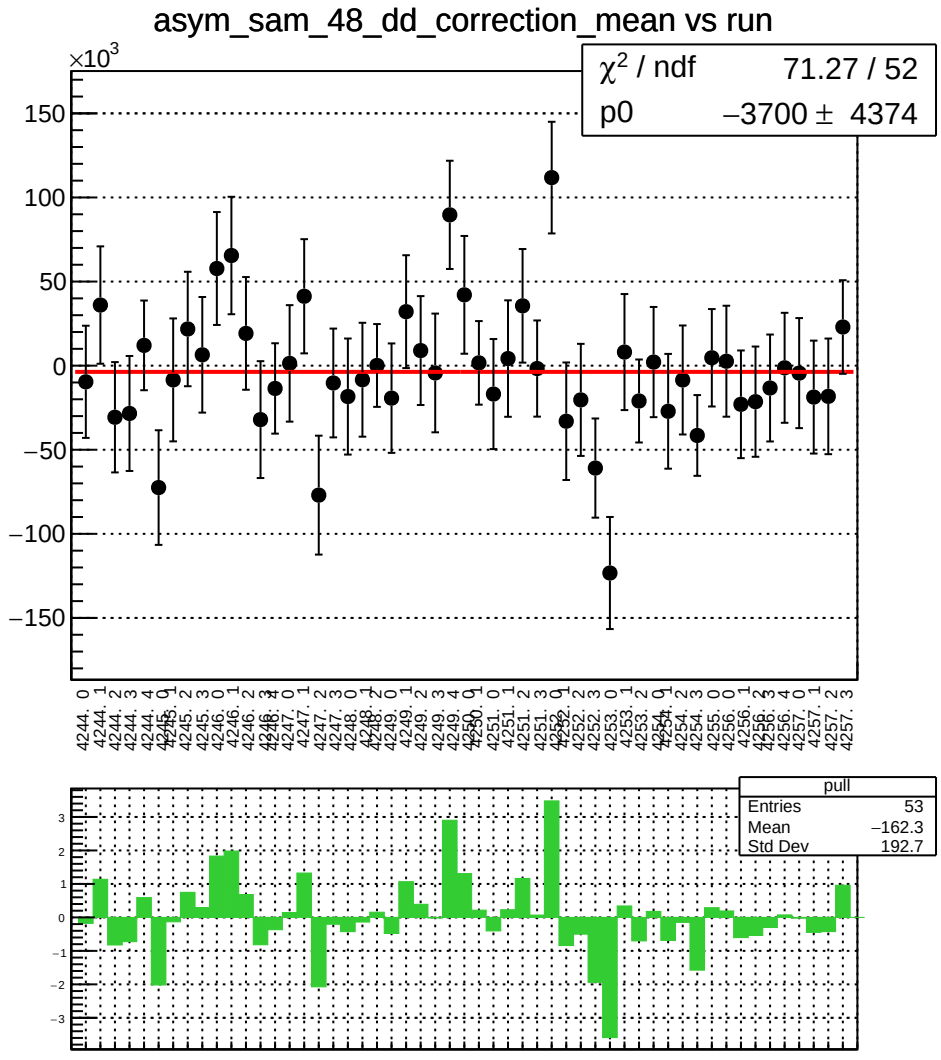

pull1D
Entries 53
Mean 0.006312
Std Dev 1.168

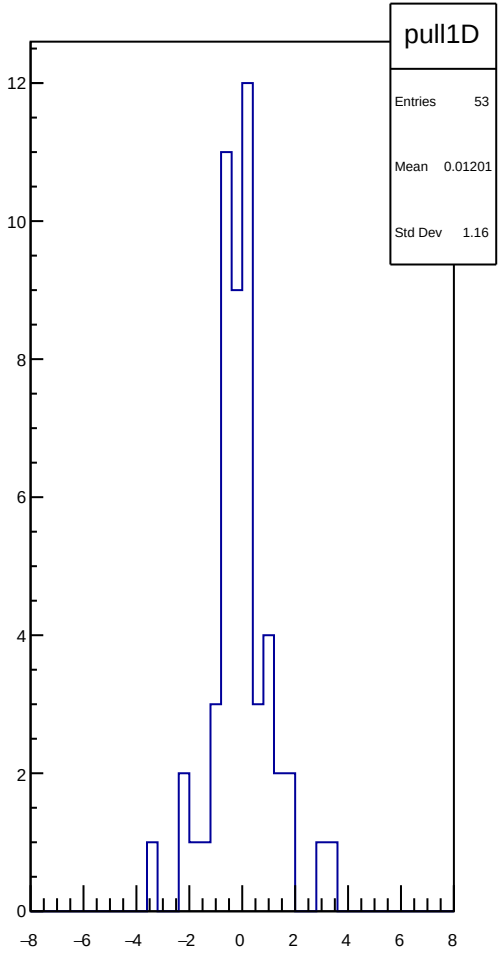

asym_sam_37_dd_correction_rms vs run
χ² / ndf 838.8 / 52
p0 4664 ± 4.497
5200
5100
5000
4900
4800
4700
4600
4500
4400
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 1
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

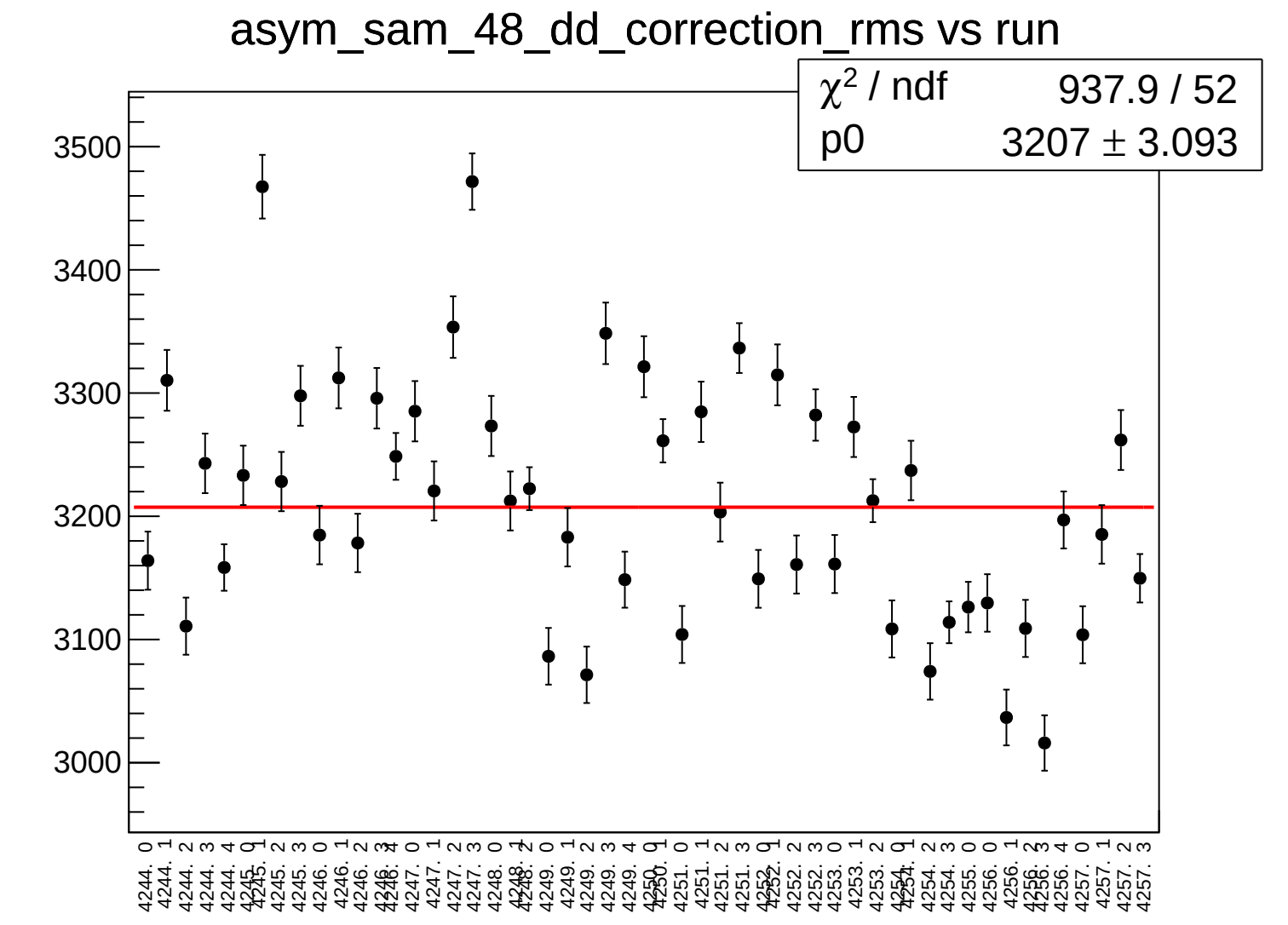

reg_asym_sam_48_dd_mean vs run
χ² / ndf 56.99 / 52
p0 1537 ± 1188
pull
Entries 53
Mean −106
Std Dev 133.4

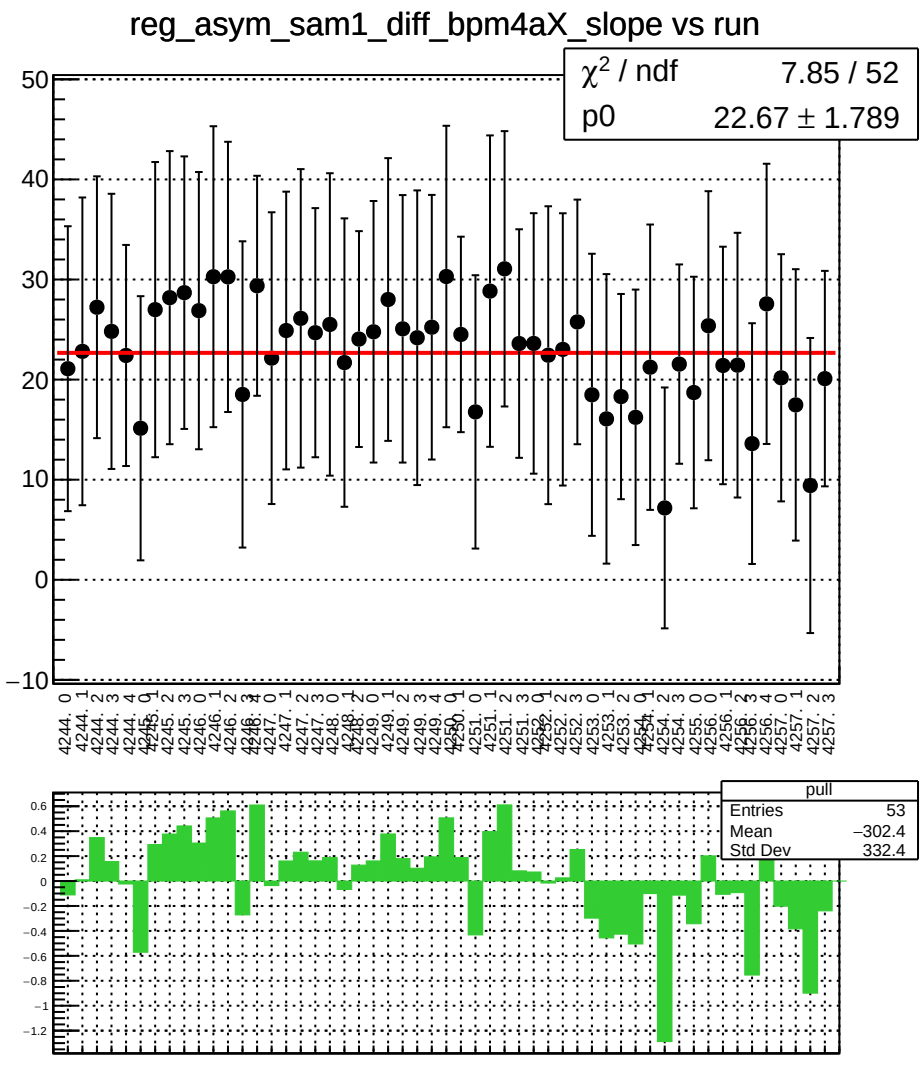

pull1D
Entries 53
Mean −0.01702
Std Dev 1.037

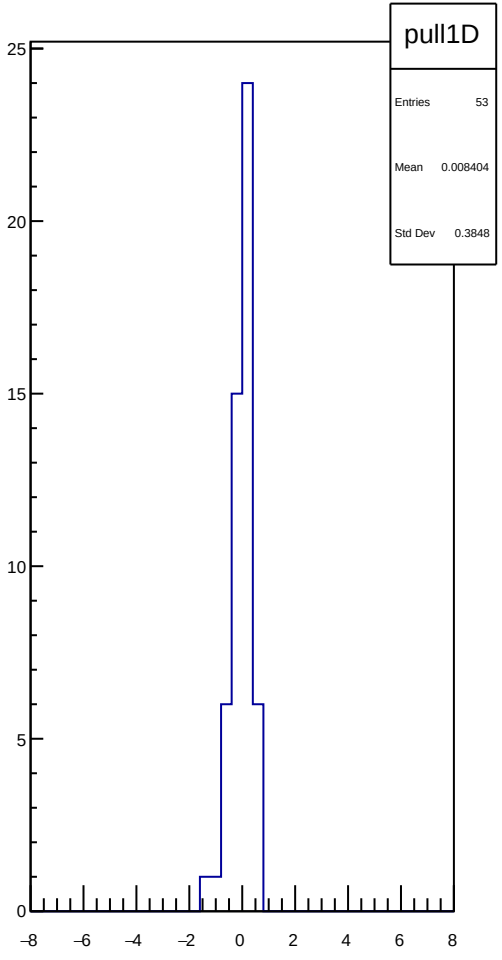

reg_asym_sam_48_dd_rms vs run
χ² / ndf 4347 / 52
p0 870 ± 0.8403
1050
1000
950
900
850
800
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4253. 0
4253. 1
4253. 2
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

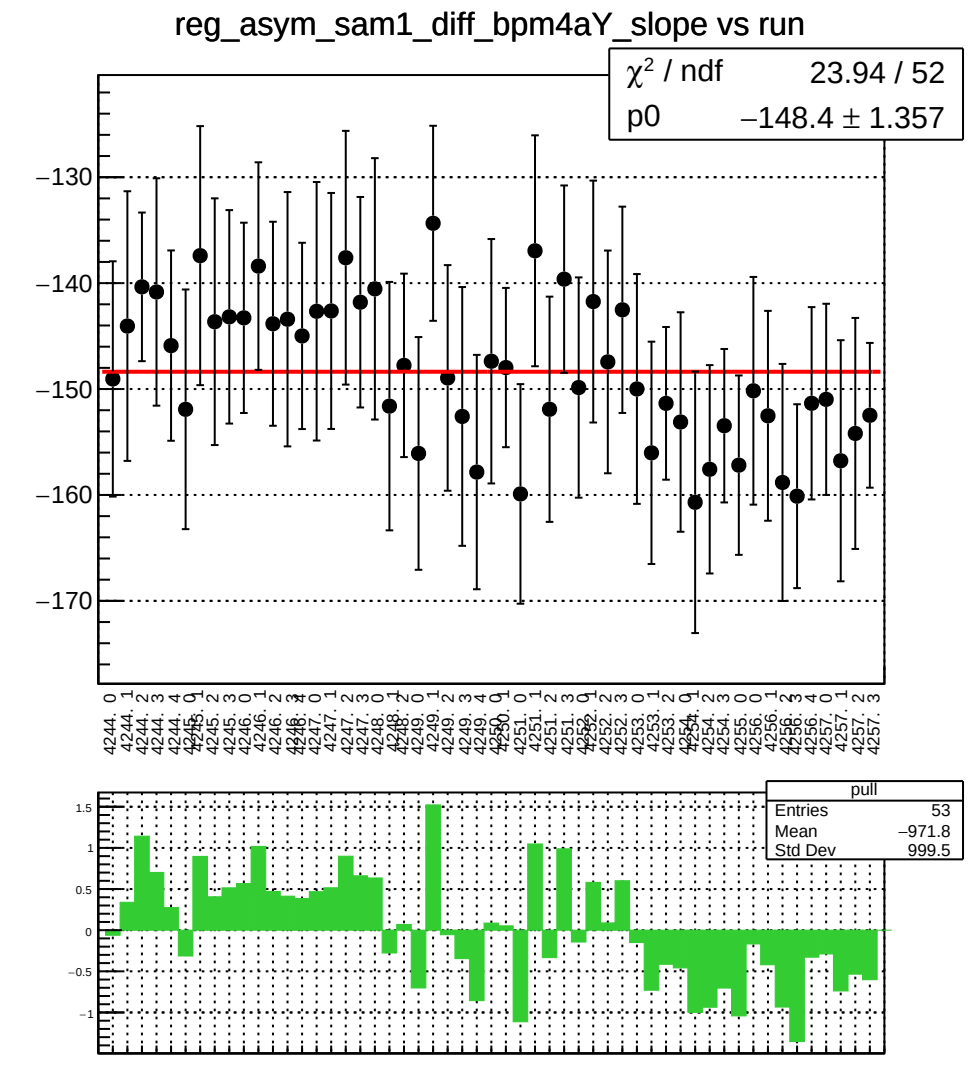

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 71.27 / 52
p0 −3700 ± 4374
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −162.3
Std Dev 192.7
3
2
1
0
−1
−2
−3

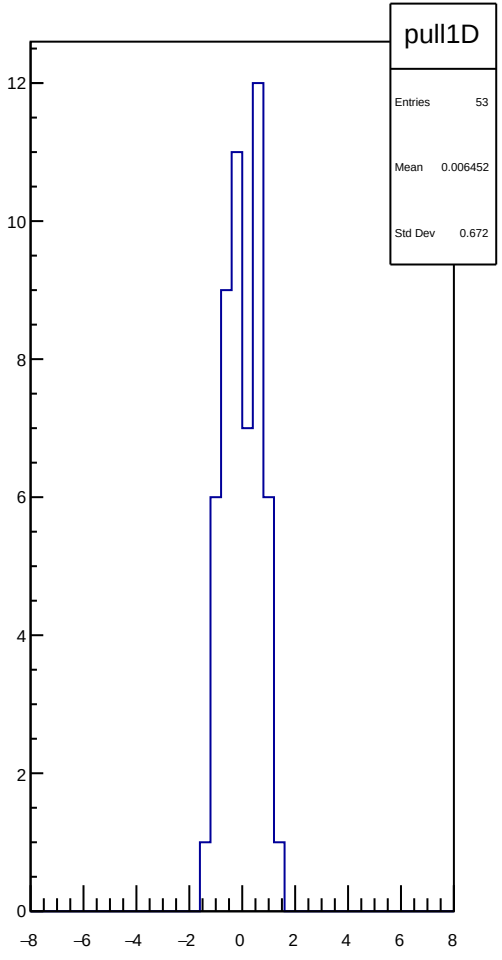

pull1D
Entries 53
Mean 0.01201
Std Dev 1.16
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

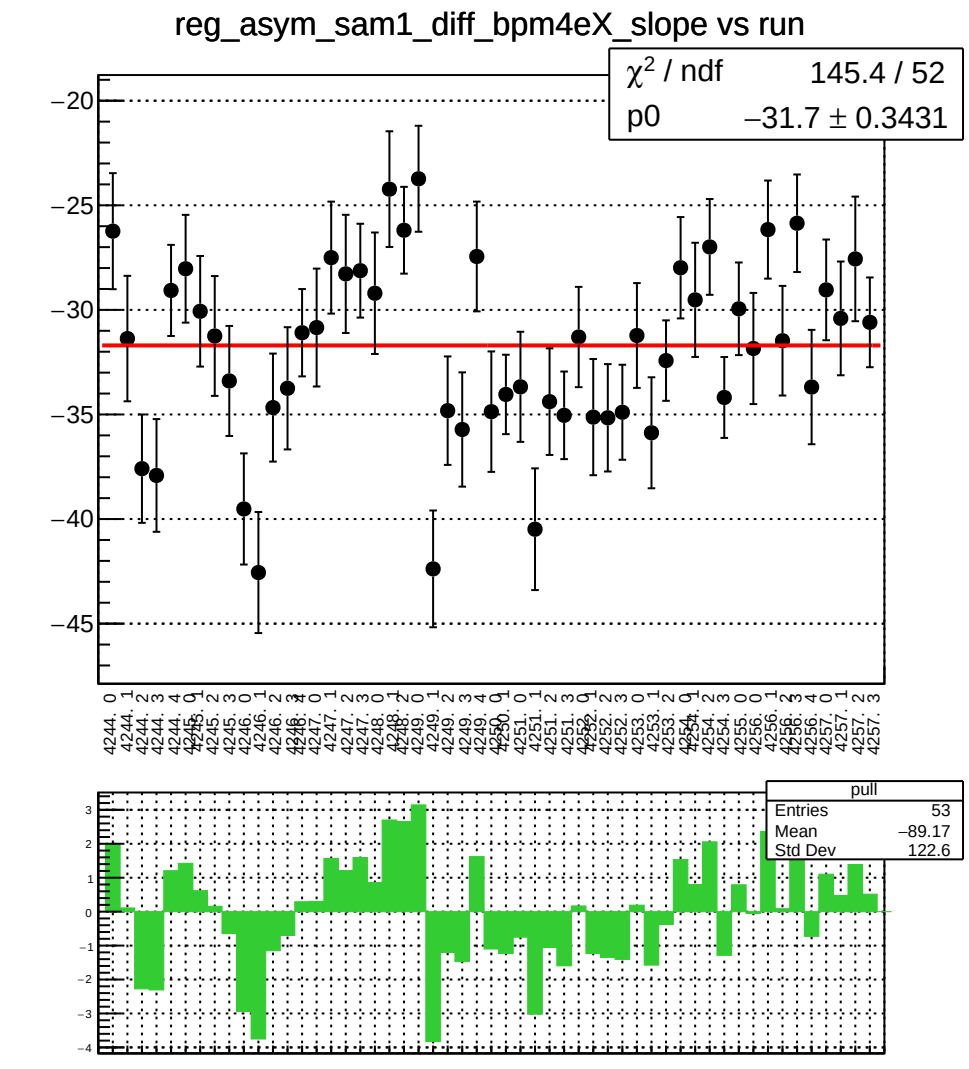

asym_sam_48_dd_correction_rms vs run
χ² / ndf 937.9 / 52
p0 3207 ± 3.093
3500
3400
3300
3200
3100
3000
4244. 0
4244. 1
4244. 2
4244. 3
4244. 4
4245. 0
4245. 1
4245. 2
4245. 3
4246. 0
4246. 1
4246. 2
4247. 0
4247. 1
4247. 2
4247. 3
4248. 0
4249. 0
4249. 1
4249. 2
4249. 3
4249. 4
4251. 0
4251. 1
4251. 2
4251. 3
4252. 2
4252. 3
4253. 0
4253. 1
4253. 2
4254. 1
4254. 2
4254. 3
4255. 0
4256. 0
4256. 1
4256. 4
4257. 0
4257. 1
4257. 2
4257. 3

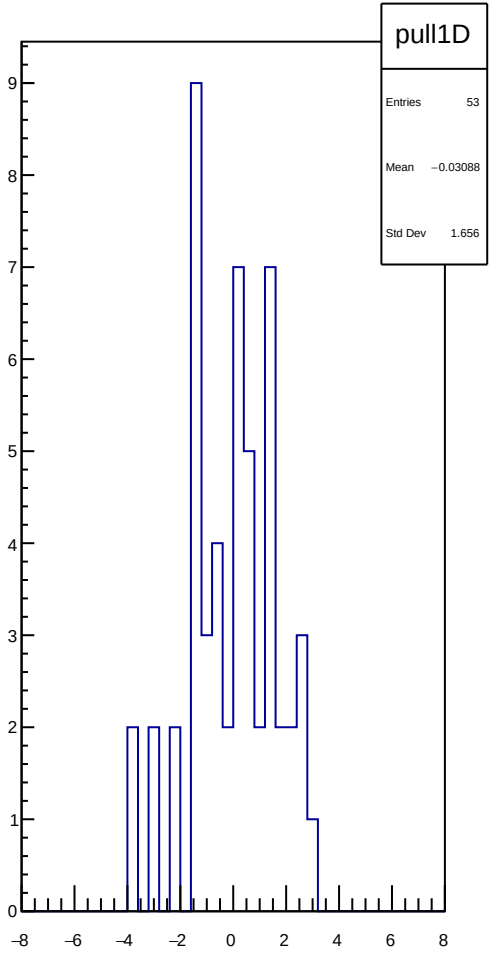

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 7.85 / 52
p0 22.67 ± 1.789
pull
Entries 53
Mean −302.4
Std Dev 332.4

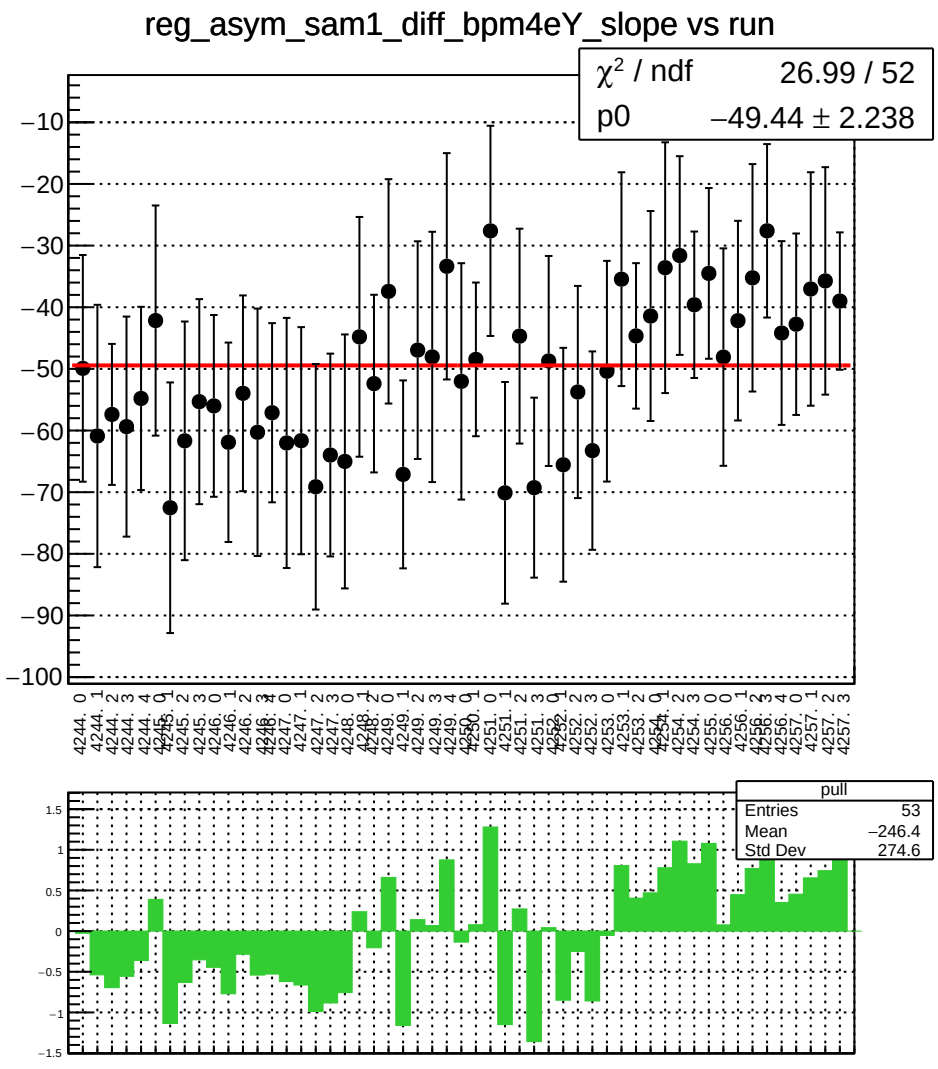

pull1D
Entries 53
Mean 0.008404
Std Dev 0.3848

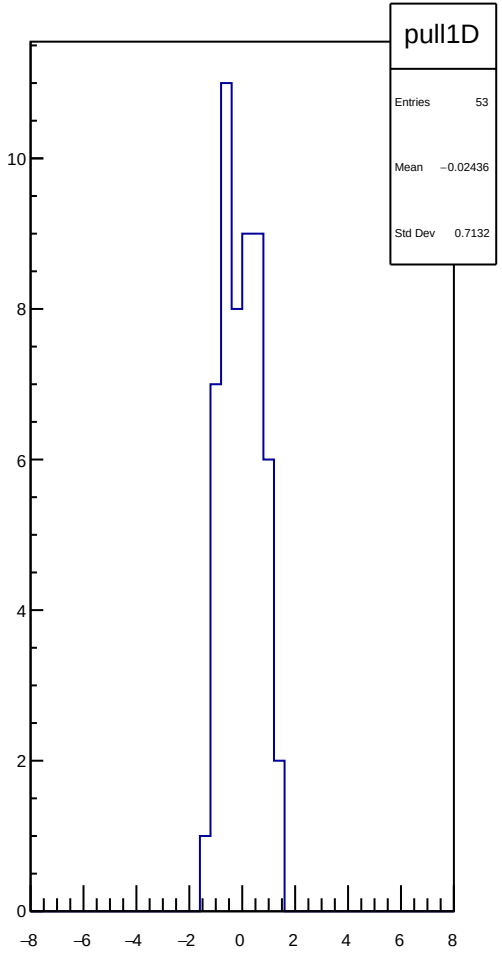

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 23.94 / 52
p0 −148.4 ± 1.357
pull
Entries 53
Mean −971.8
Std Dev 999.5

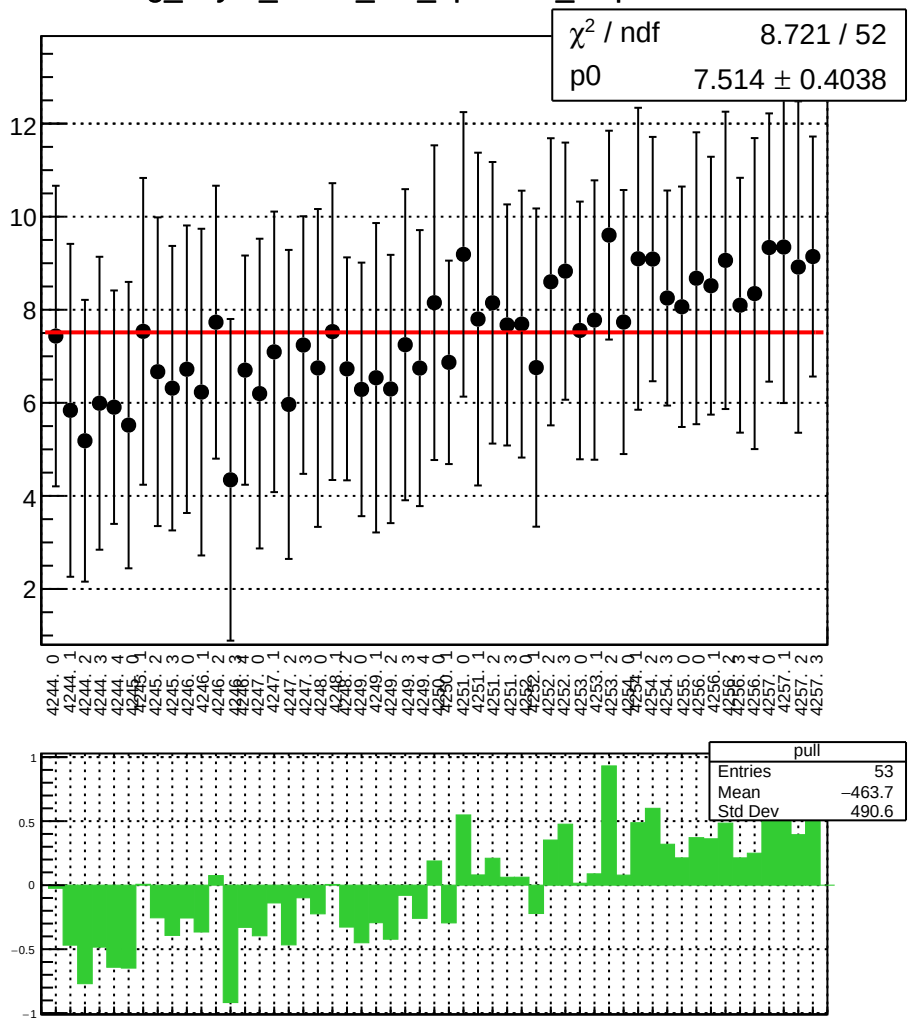

pull1D
Entries 53
Mean 0.006452
Std Dev 0.672

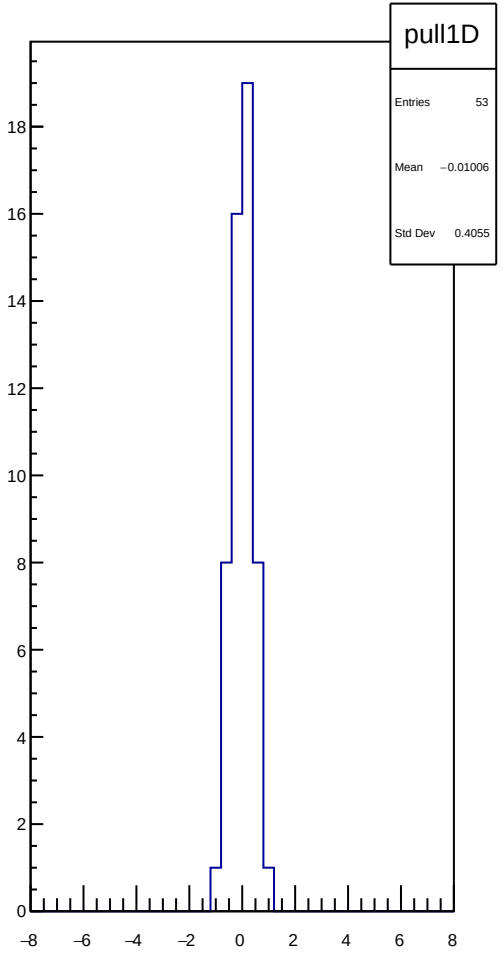

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 145.4 / 52
p0 −31.7 ± 0.3431
pull
Entries 53
Mean −89.17
Std Dev 122.6

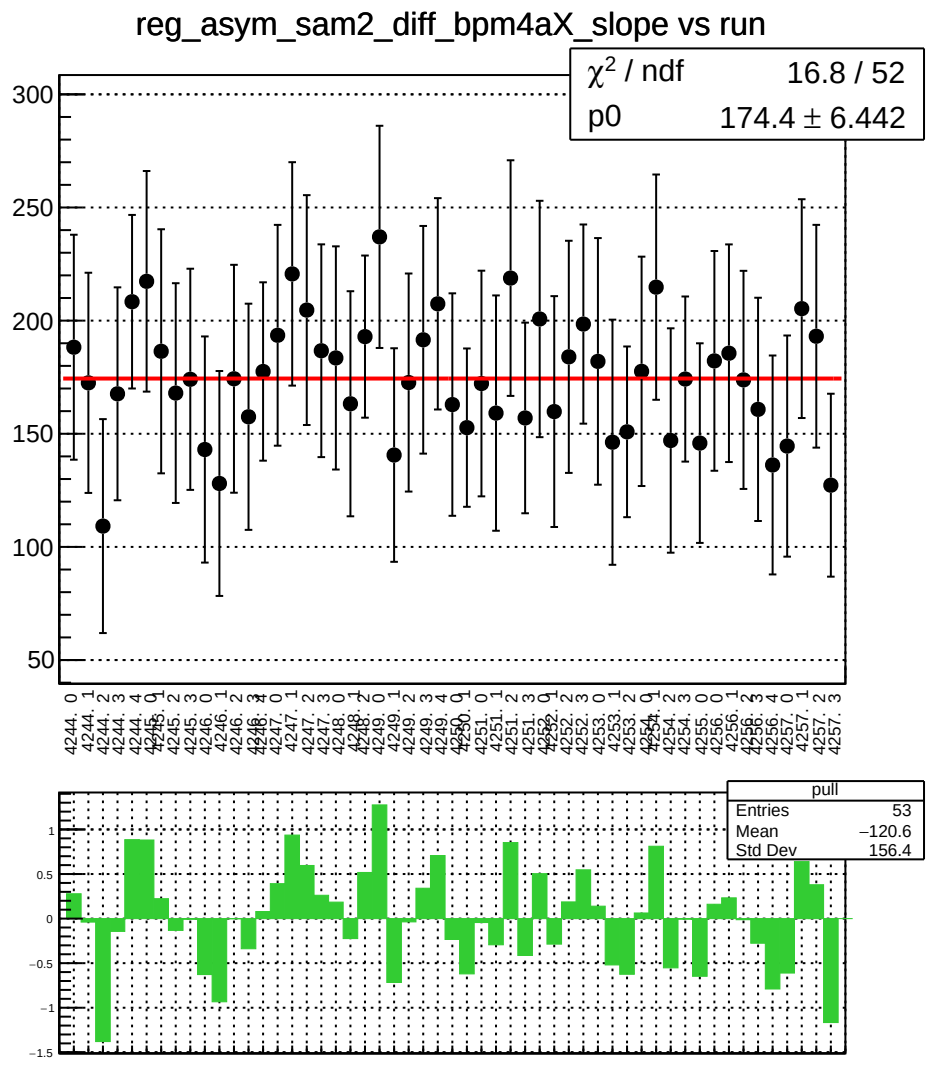

pull1D
Entries 53
Mean −0.03088
Std Dev 1.656

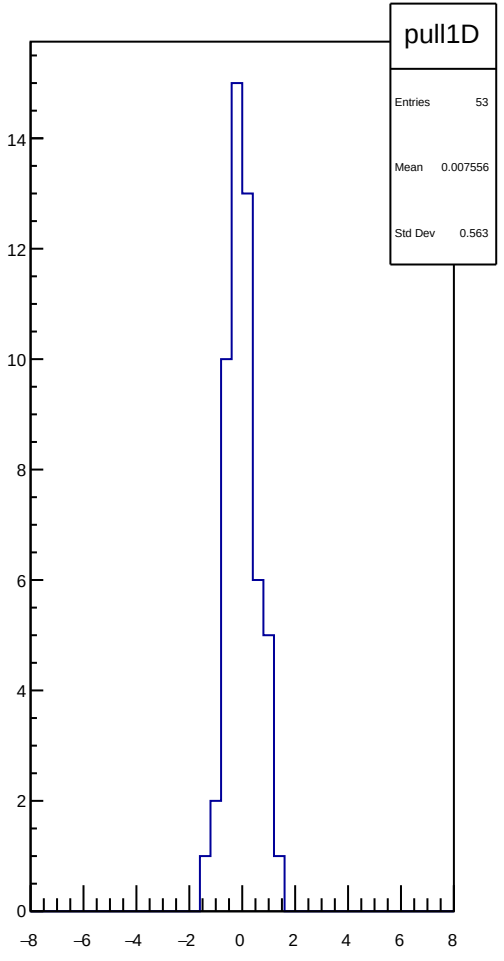

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 26.99 / 52
p0 −49.44 ± 2.238
pull
Entries 53
Mean −246.4
Std Dev 274.6

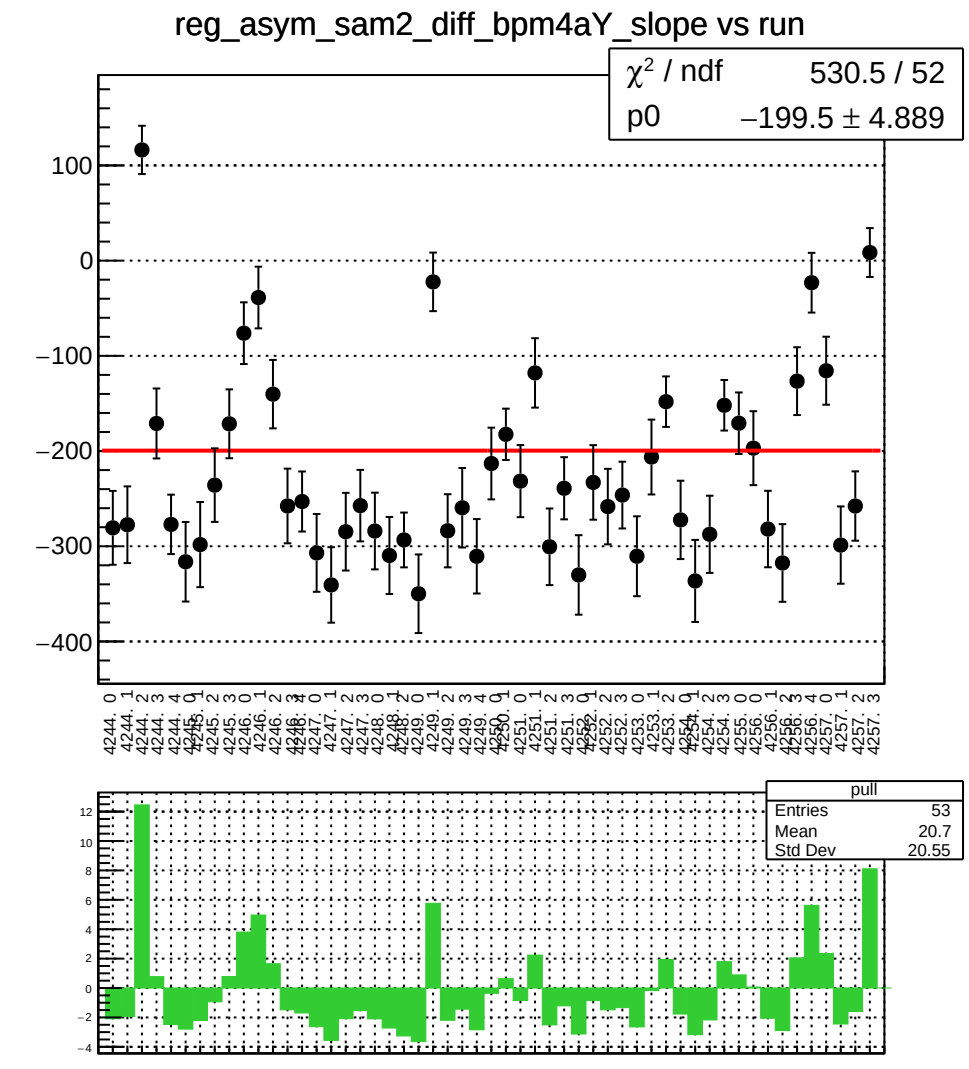

pull1D
Entries 53
Mean −0.02436
Std Dev 0.7132

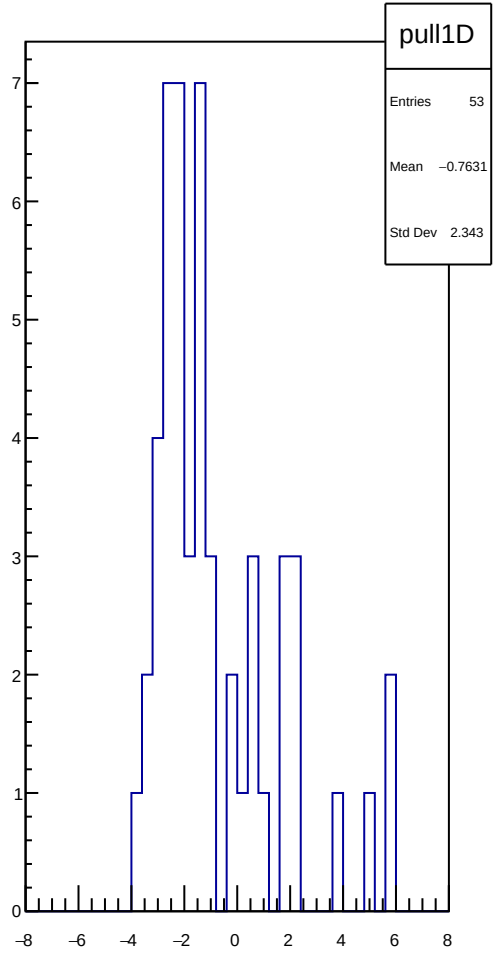

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 8.721 / 52
p0 7.514 ± 0.4038
pull
Entries 53
Mean −463.7
Std Dev 490.6

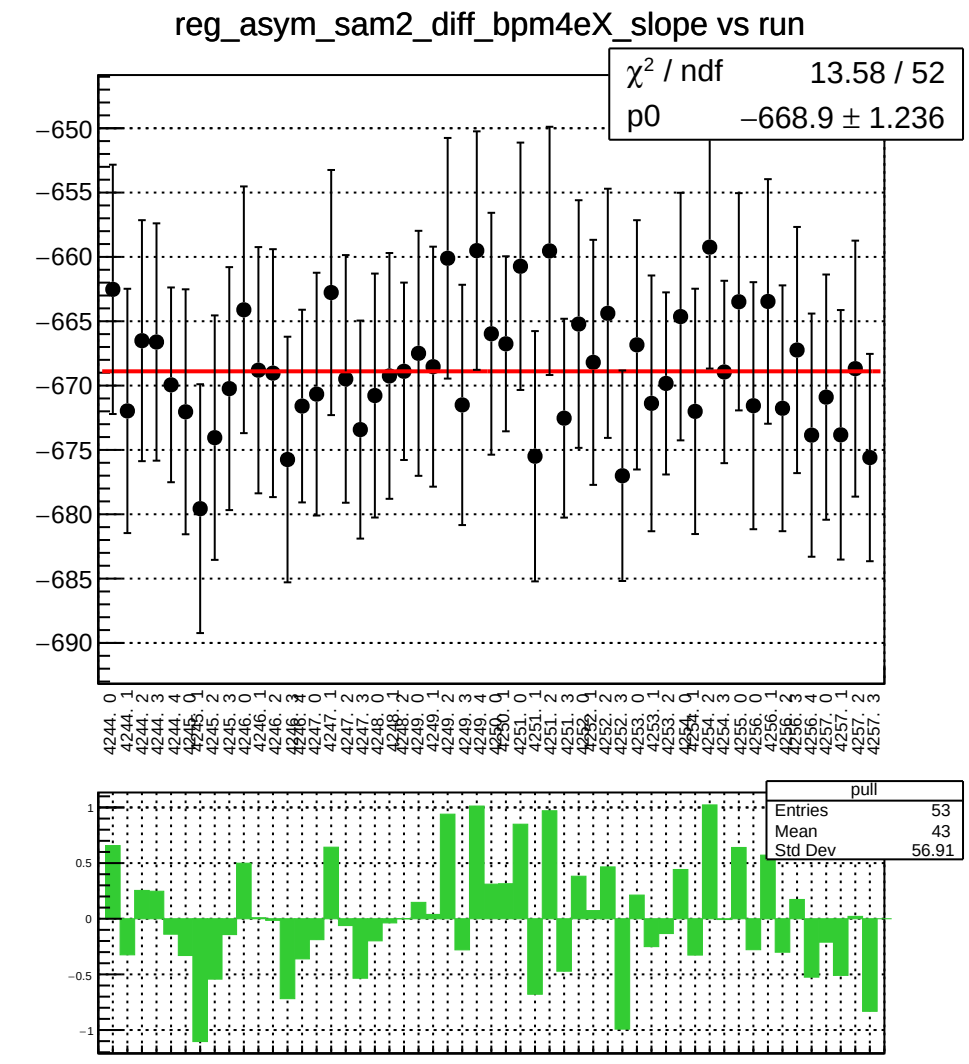

pull1D
Entries 53
Mean −0.01006
Std Dev 0.4055

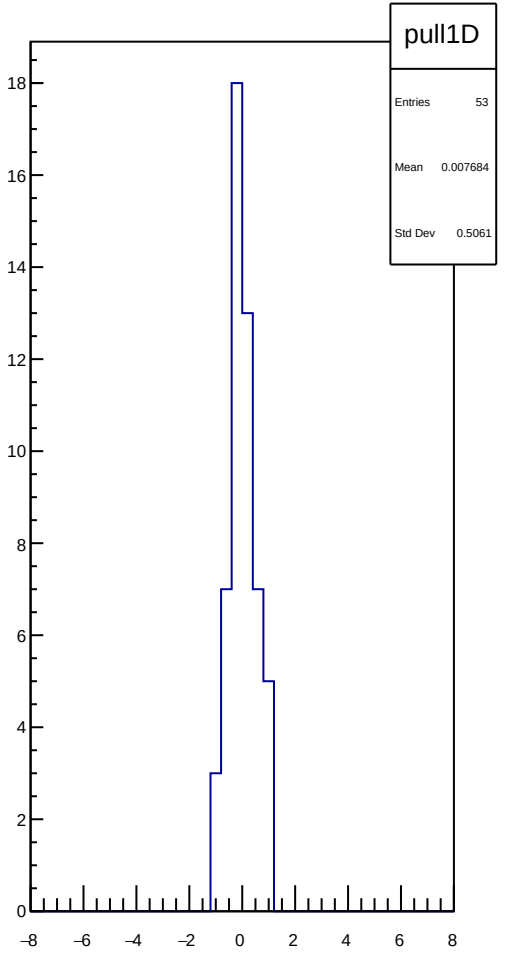

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 16.8 / 52
p0 174.4 ± 6.442
pull
Entries 53
Mean −120.6
Std Dev 156.4

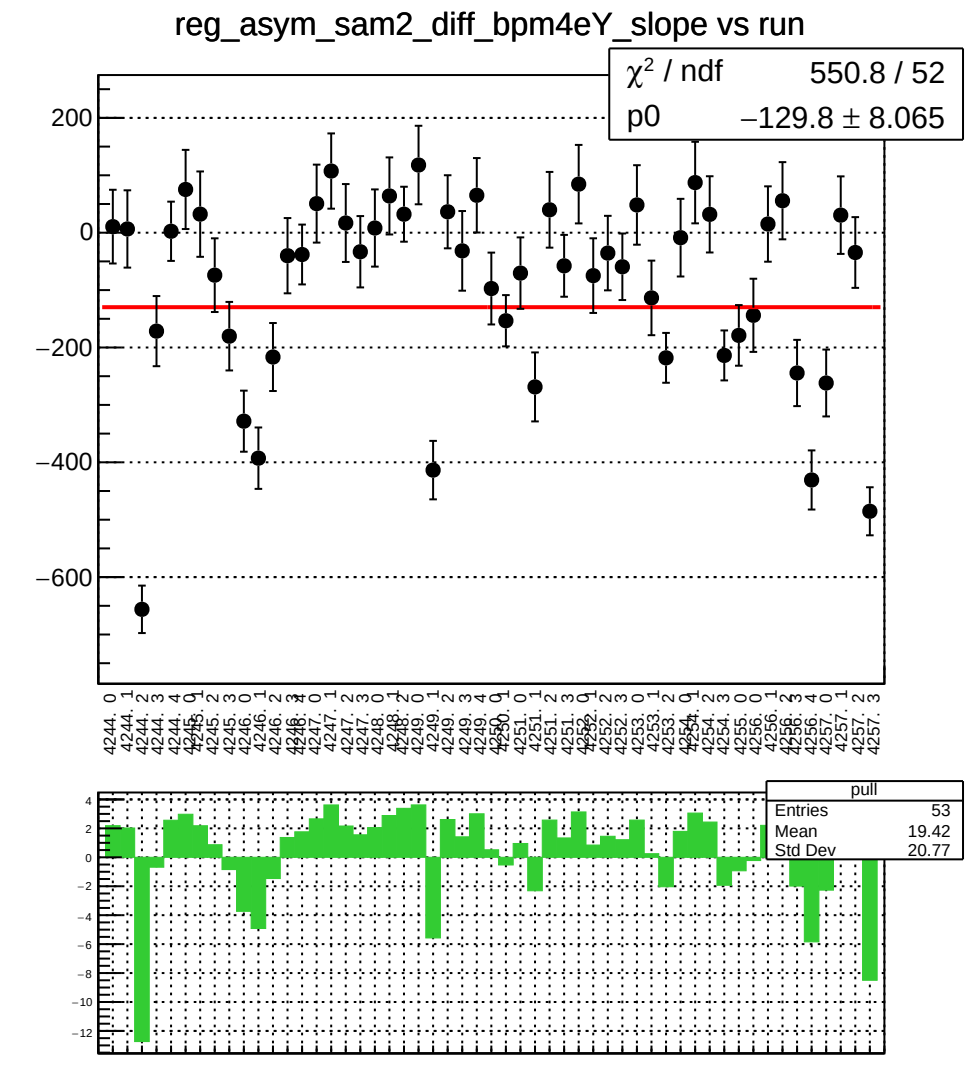

pull1D
Entries 53
Mean 0.007556
Std Dev 0.563

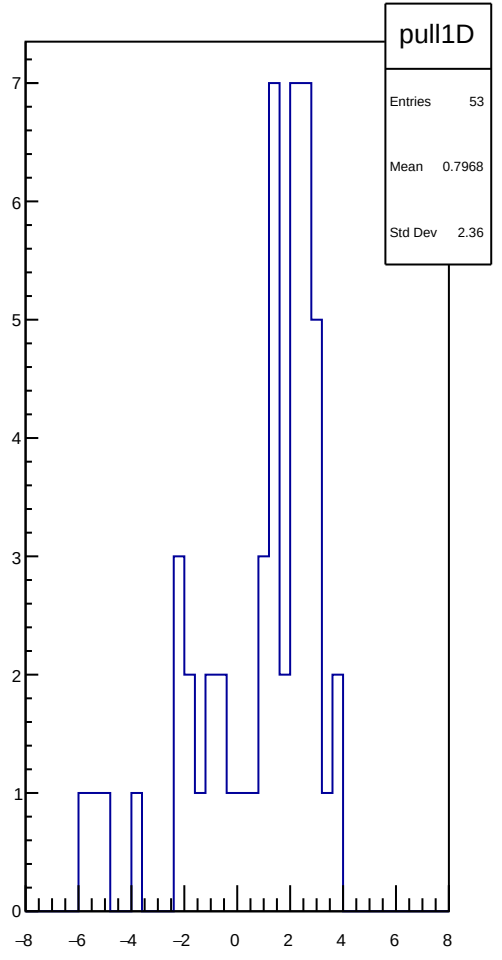

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 530.5 / 52
p0 −199.5 ± 4.889
100
0
−100
−200
−300
−400
pull
Entries 53
Mean 20.7
Std Dev 20.55
12
10
8
6
4
2
0
−2
−4

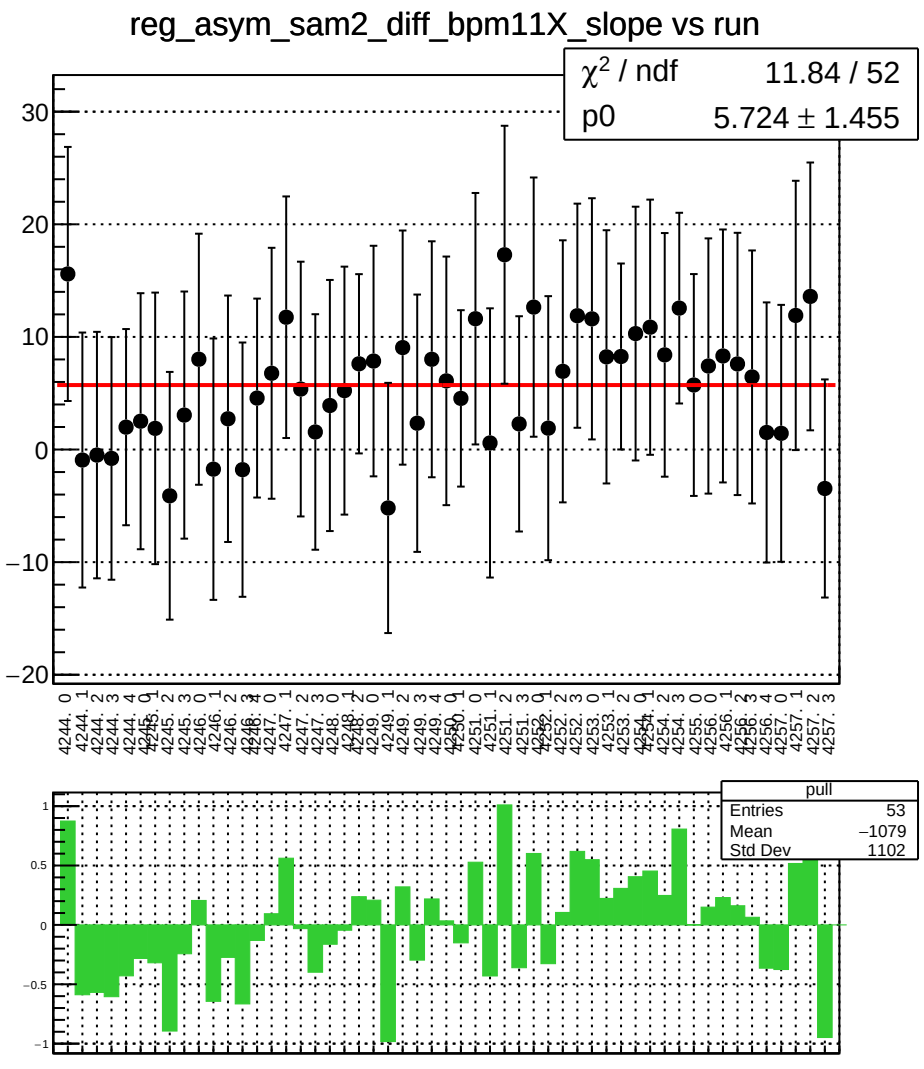

pull1D
Entries 53
Mean −0.7631
Std Dev 2.343
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

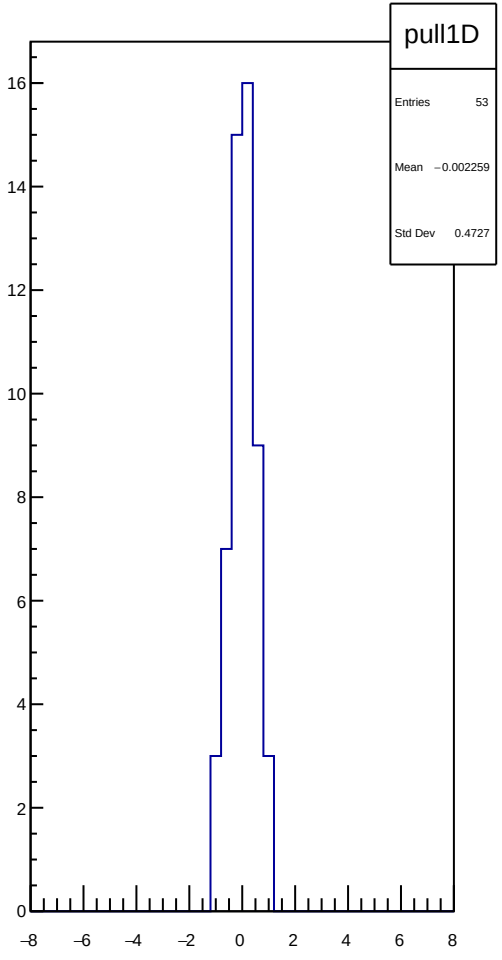

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 13.58 / 52
p0 −668.9 ± 1.236
pull
Entries 53
Mean 43
Std Dev 56.91

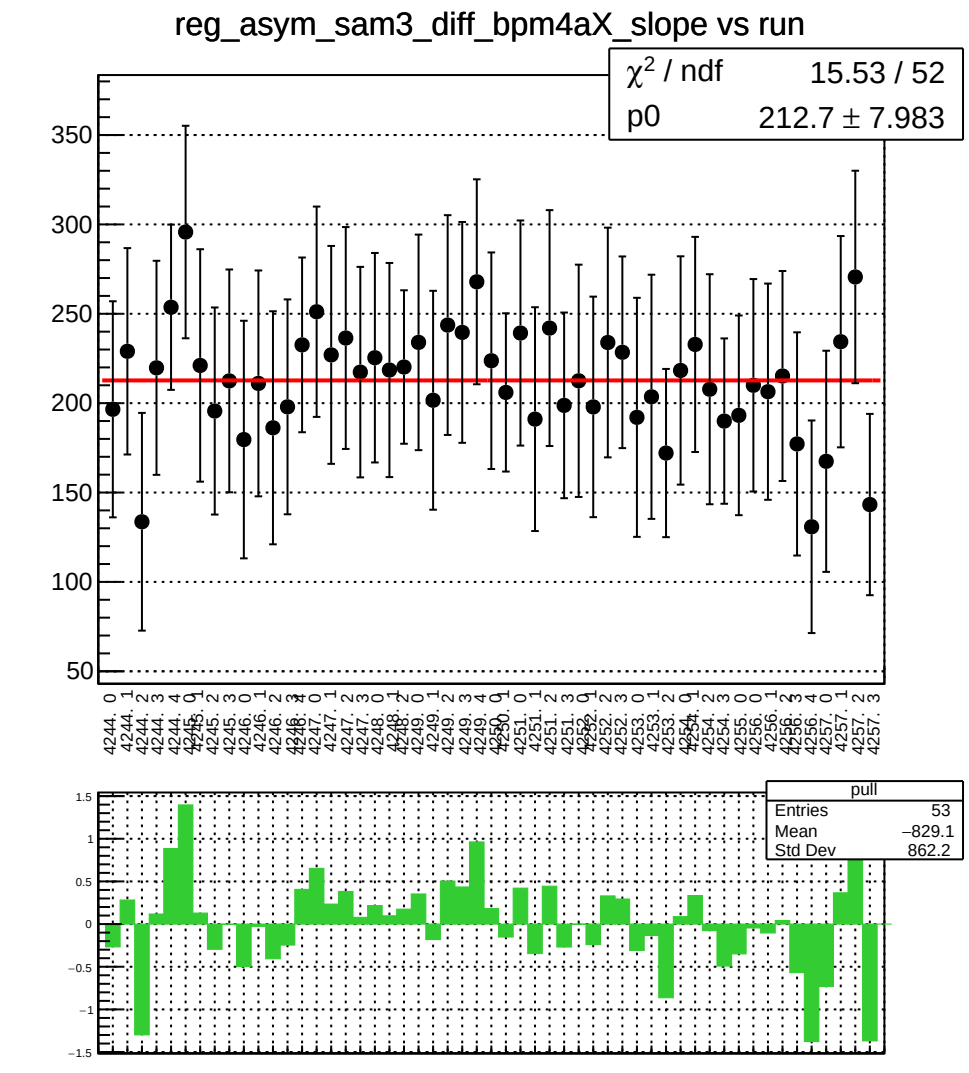

pull1D
Entries 53
Mean 0.007684
Std Dev 0.5061

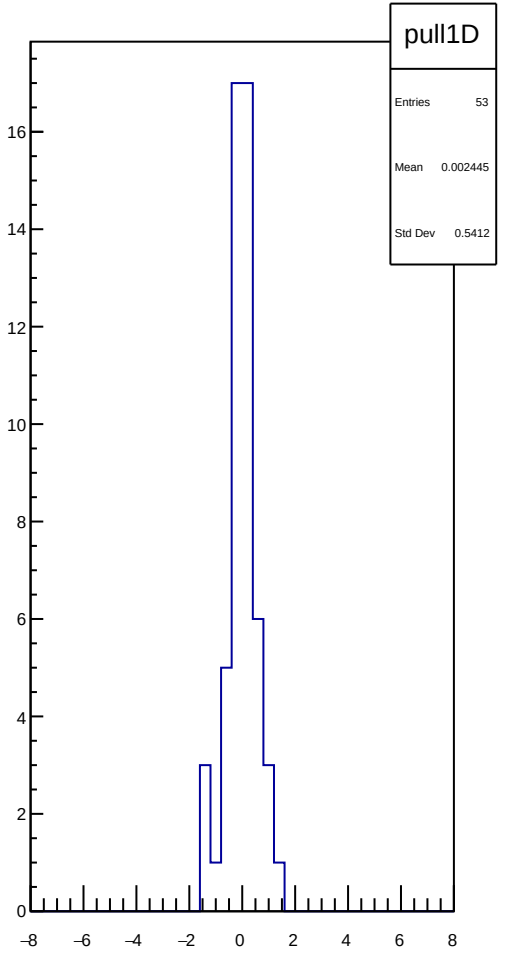

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 550.8 / 52
p0 −129.8 ± 8.065
200
0
−200
−400
−600
pull
Entries 53
Mean 19.42
Std Dev 20.77
4
2
0
−2
−4
−6
−8
−10
−12

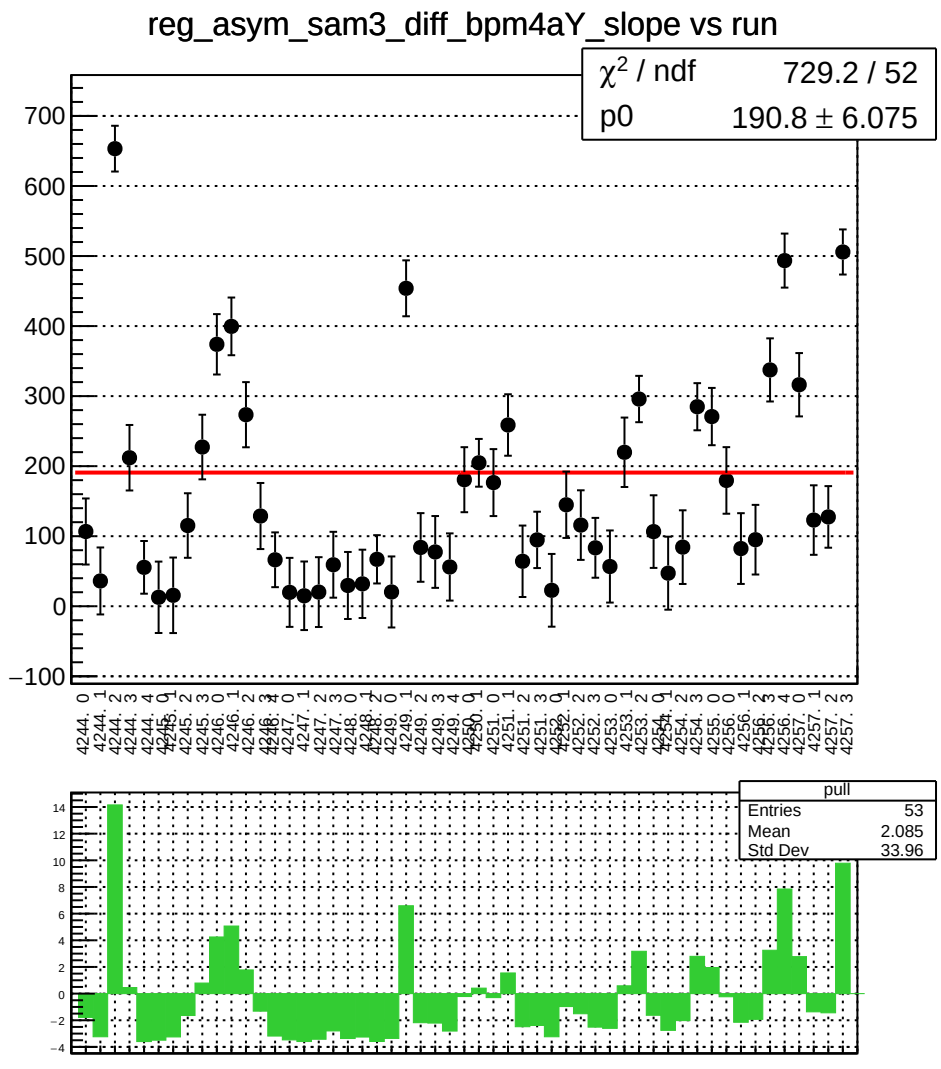

pull1D
Entries 53
Mean 0.7968
Std Dev 2.36
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

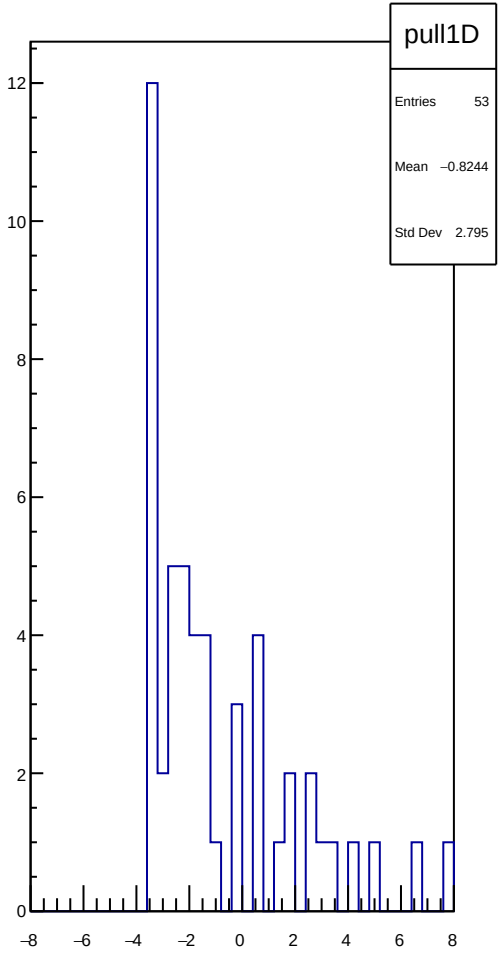

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 11.84 / 52
p0 5.724 ± 1.455
pull
Entries 53
Mean −1079
Std Dev 1102

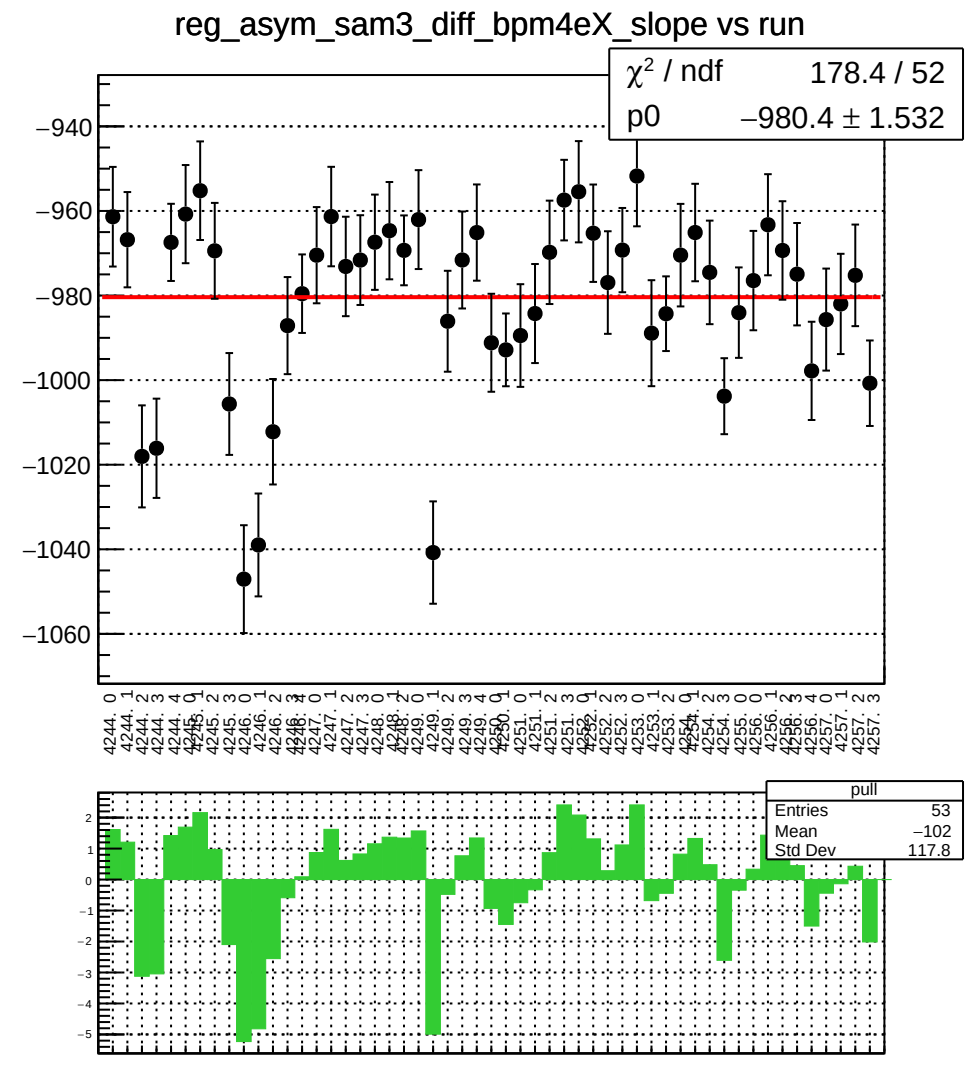

pull1D
Entries 53
Mean −0.002259
Std Dev 0.4727

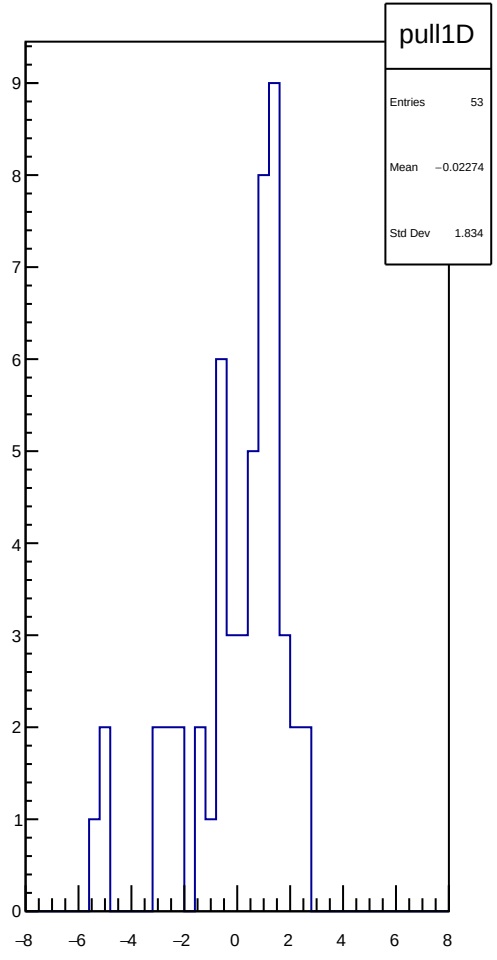

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 15.53 / 52
p0 212.7 ± 7.983
pull
Entries 53
Mean −829.1
Std Dev 862.2

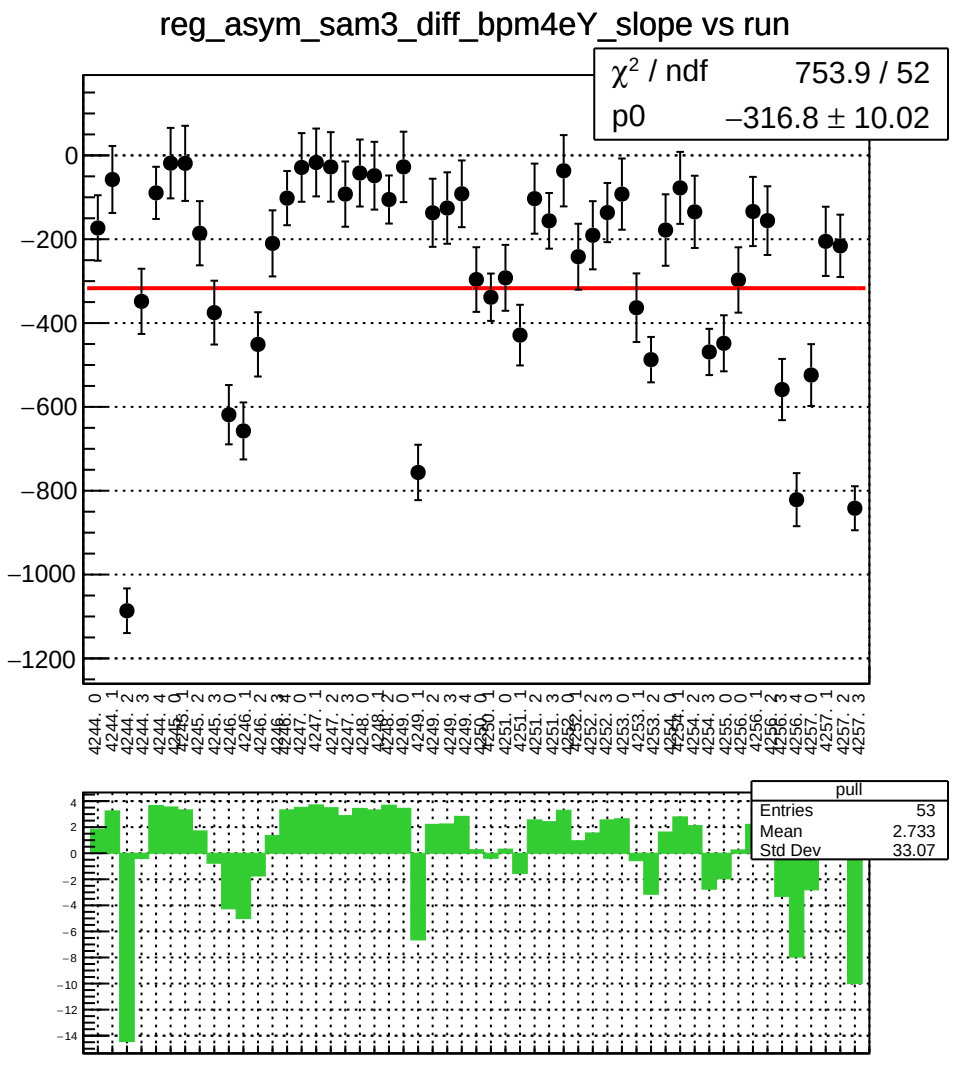

pull1D
Entries 53
Mean 0.002445
Std Dev 0.5412

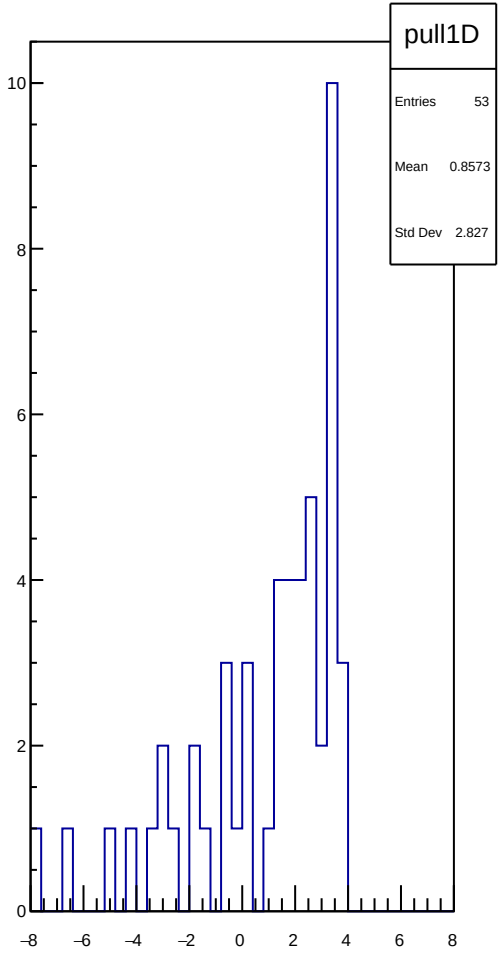

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 729.2 / 52
p0 190.8 ± 6.075
pull
Entries 53
Mean 2.085
Std Dev 33.96

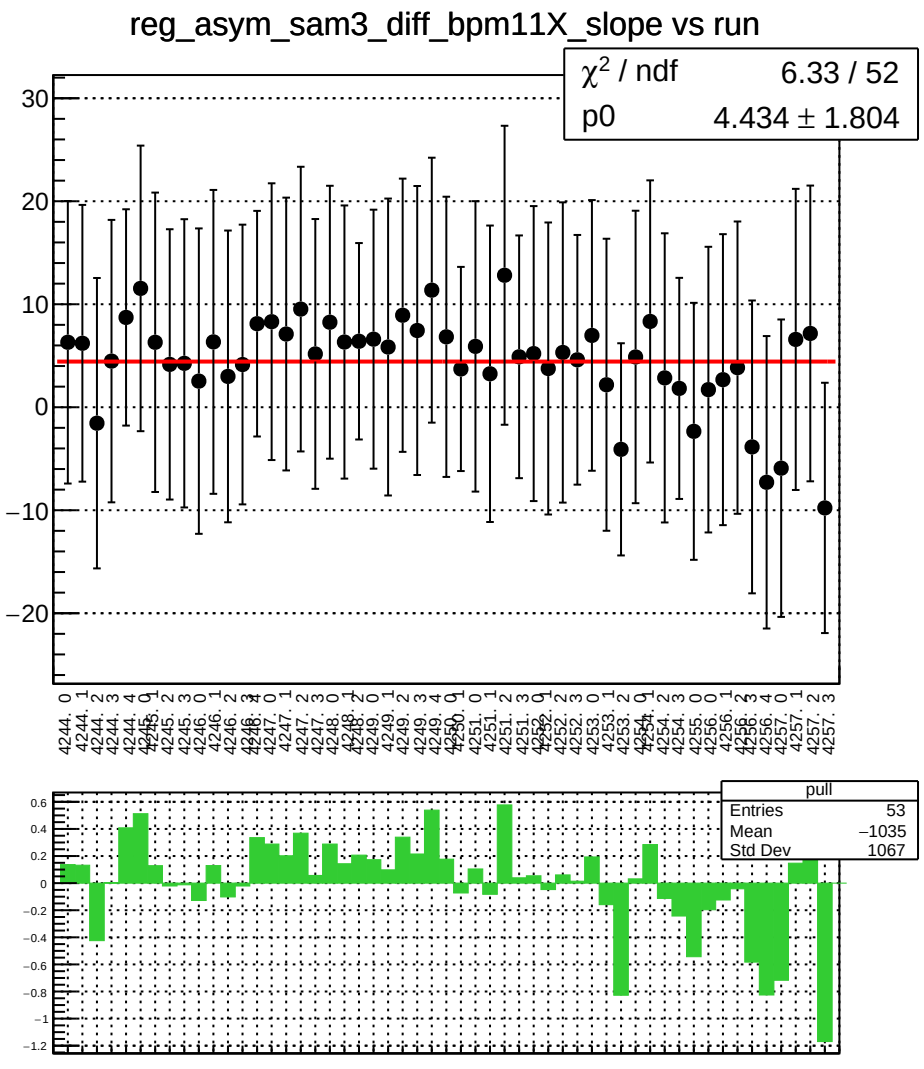

pull1D
Entries 53
Mean −0.8244
Std Dev 2.795

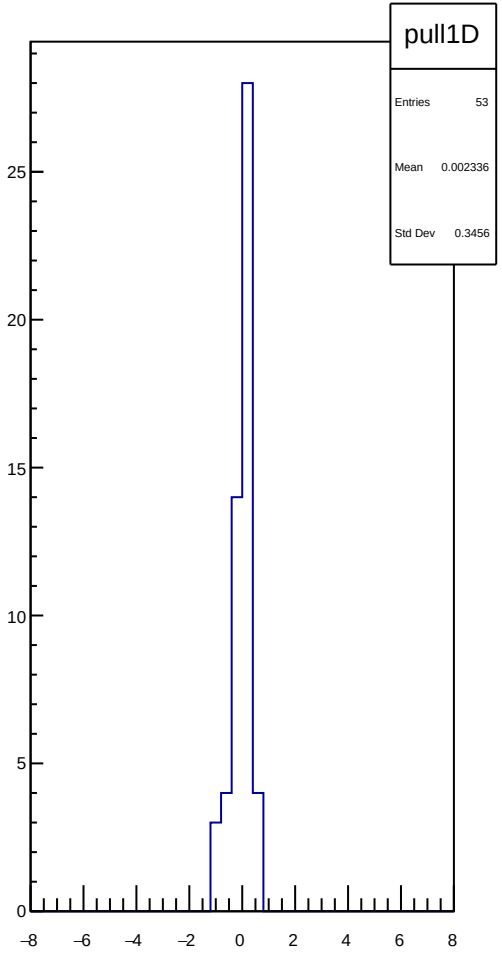

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 178.4 / 52
p0 −980.4 ± 1.532
pull
Entries 53
Mean −102
Std Dev 117.8

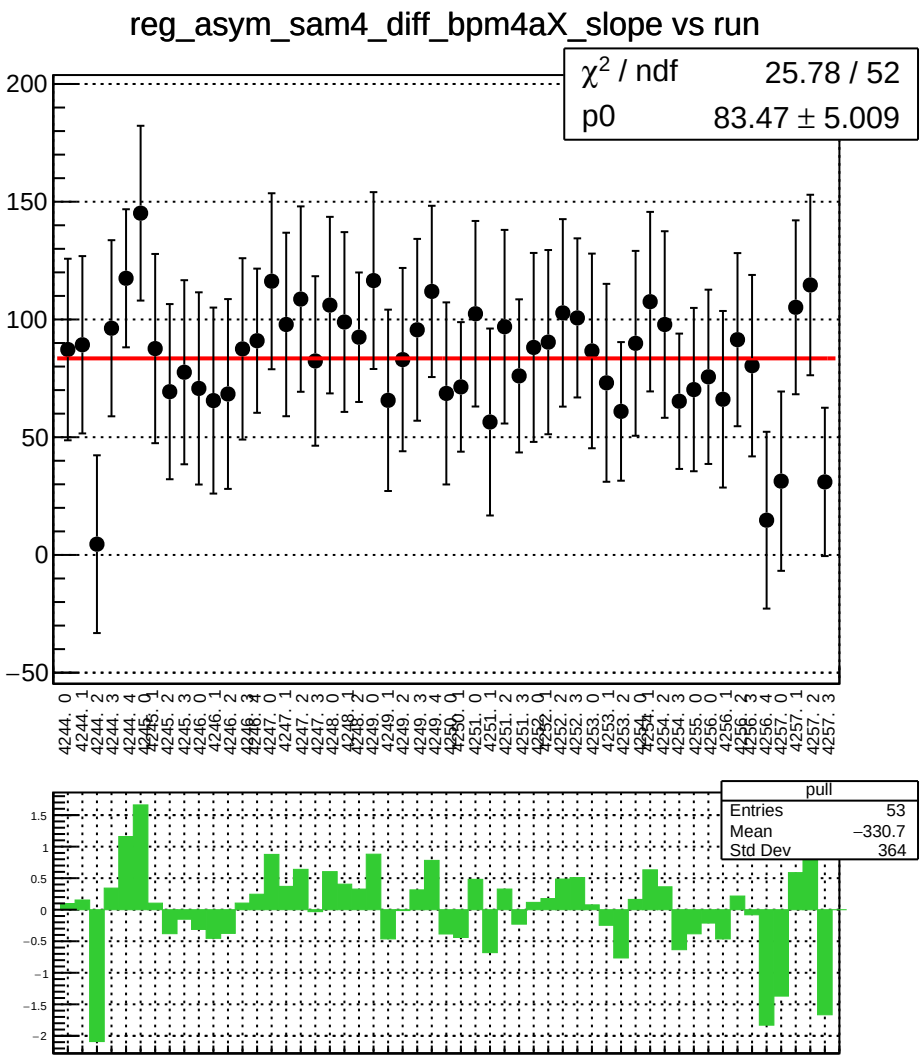

pull1D
Entries 53
Mean −0.02274
Std Dev 1.834

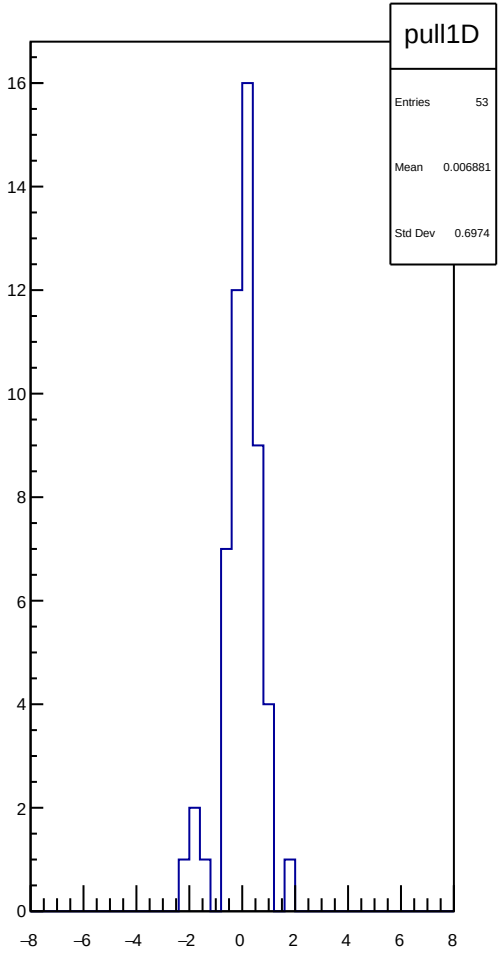

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 753.9 / 52
p0 −316.8 ± 10.02
pull
Entries 53
Mean 2.733
Std Dev 33.07

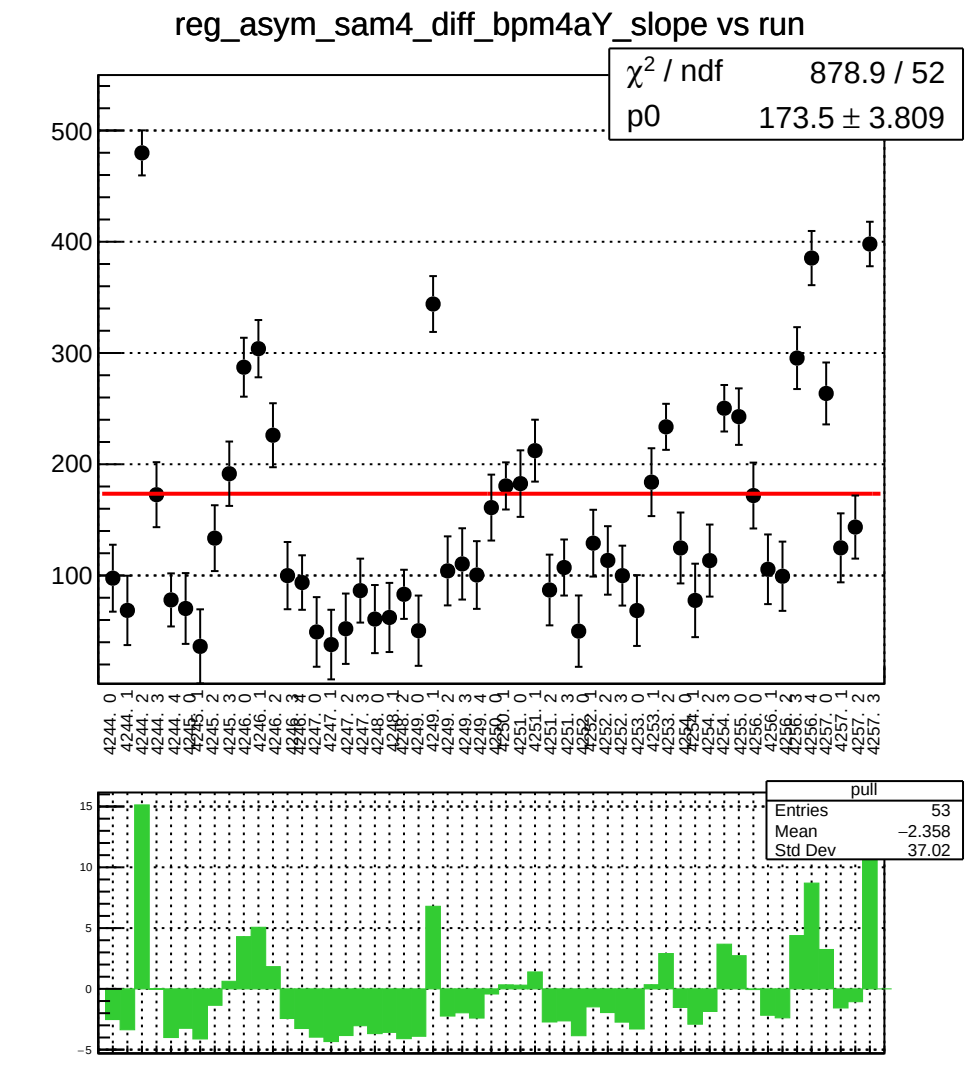

pull1D
Entries 53
Mean 0.8573
Std Dev 2.827

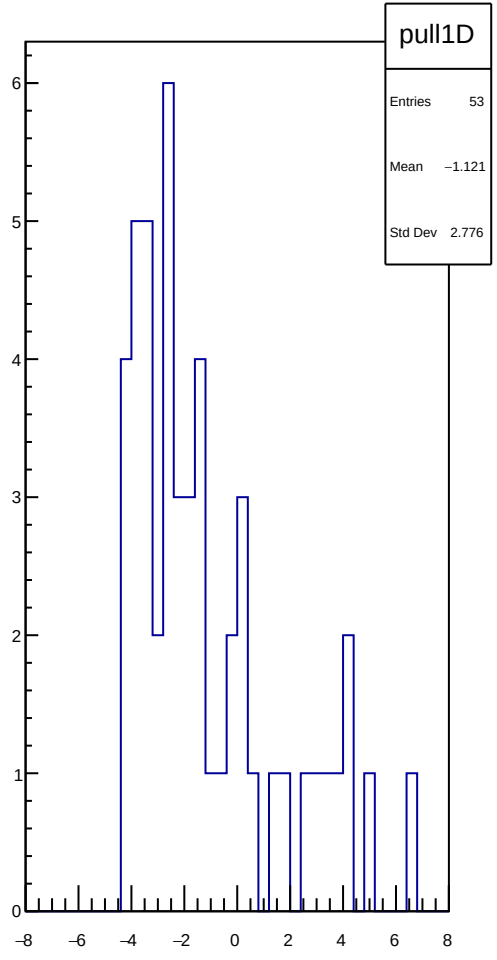

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 6.33 / 52
p0 4.434 ± 1.804
pull
Entries 53
Mean −1035
Std Dev 1067

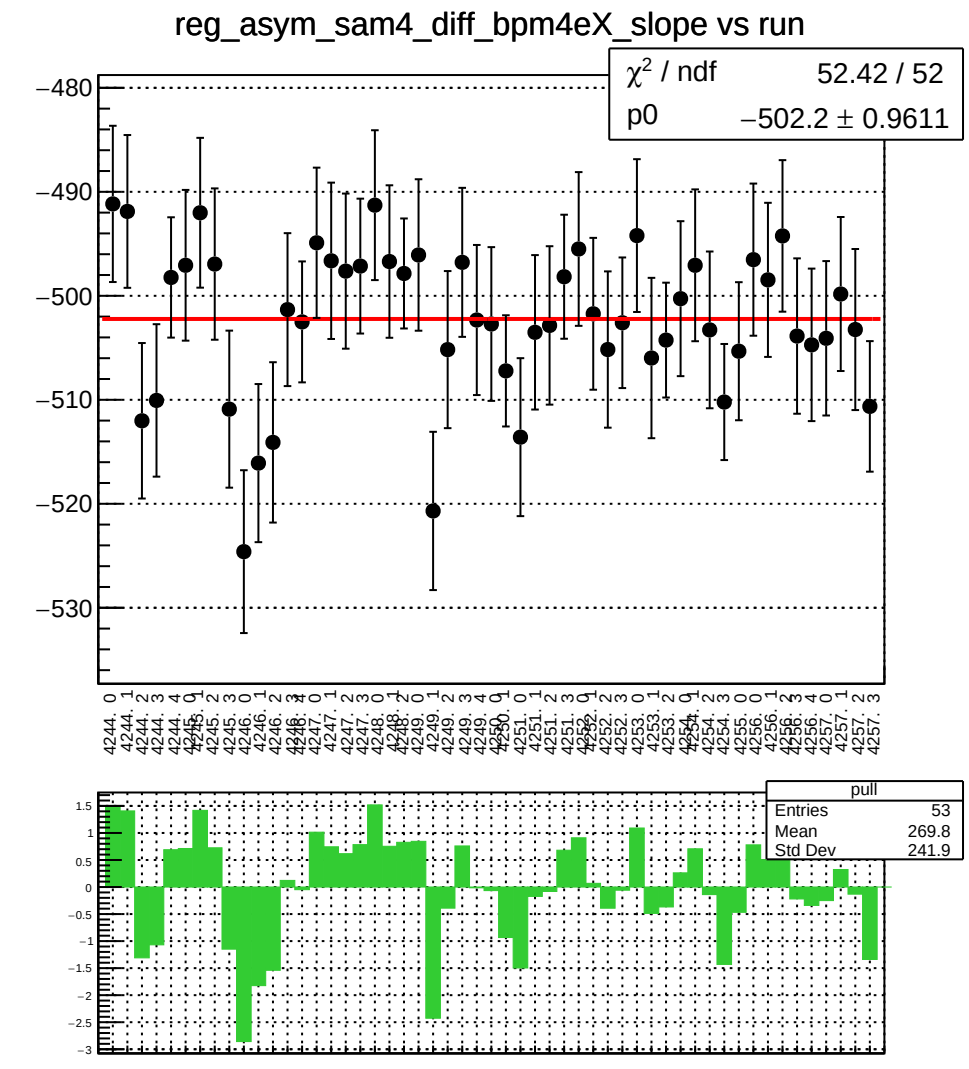

pull1D
Entries 53
Mean 0.002336
Std Dev 0.3456

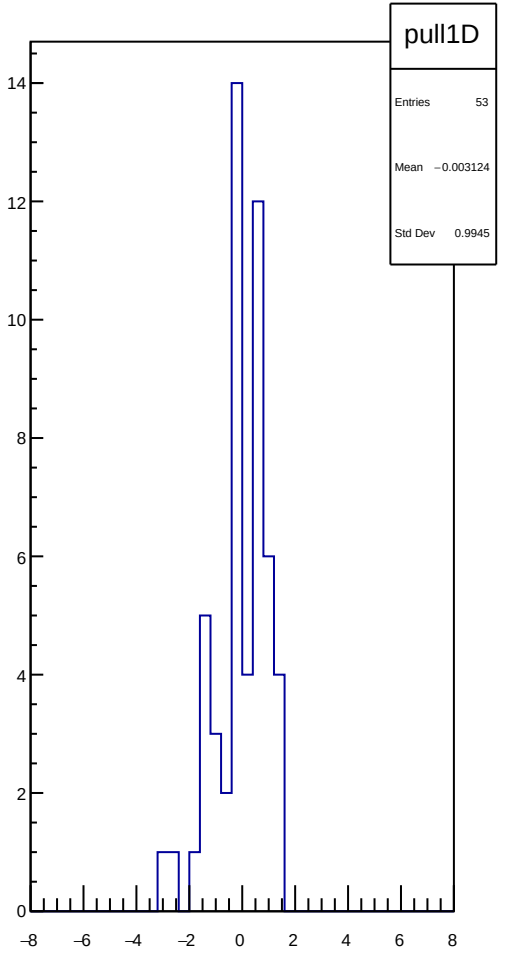

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 25.78 / 52
p0 83.47 ± 5.009
pull
Entries 53
Mean −330.7
Std Dev 364

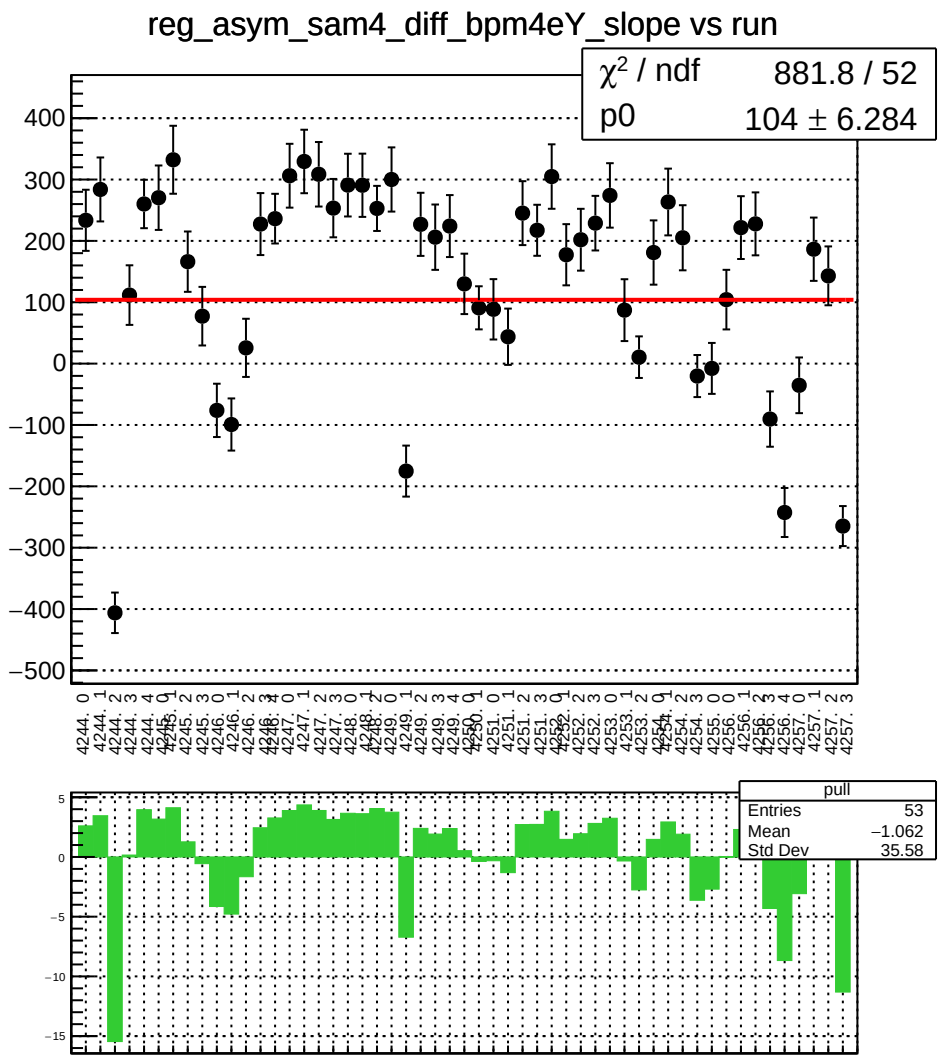

pull1D
Entries 53
Mean 0.006881
Std Dev 0.6974

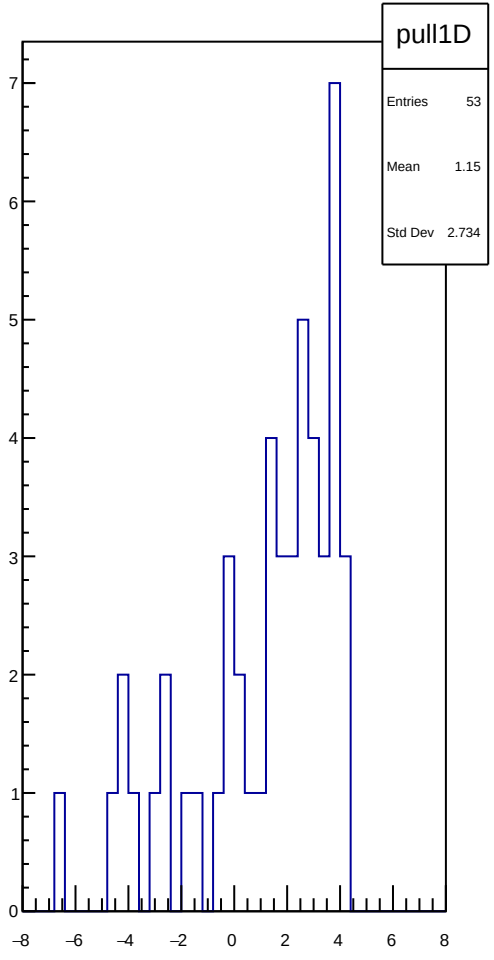

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 878.9 / 52
p0 173.5 ± 3.809
pull
Entries 53
Mean −2.358
Std Dev 37.02

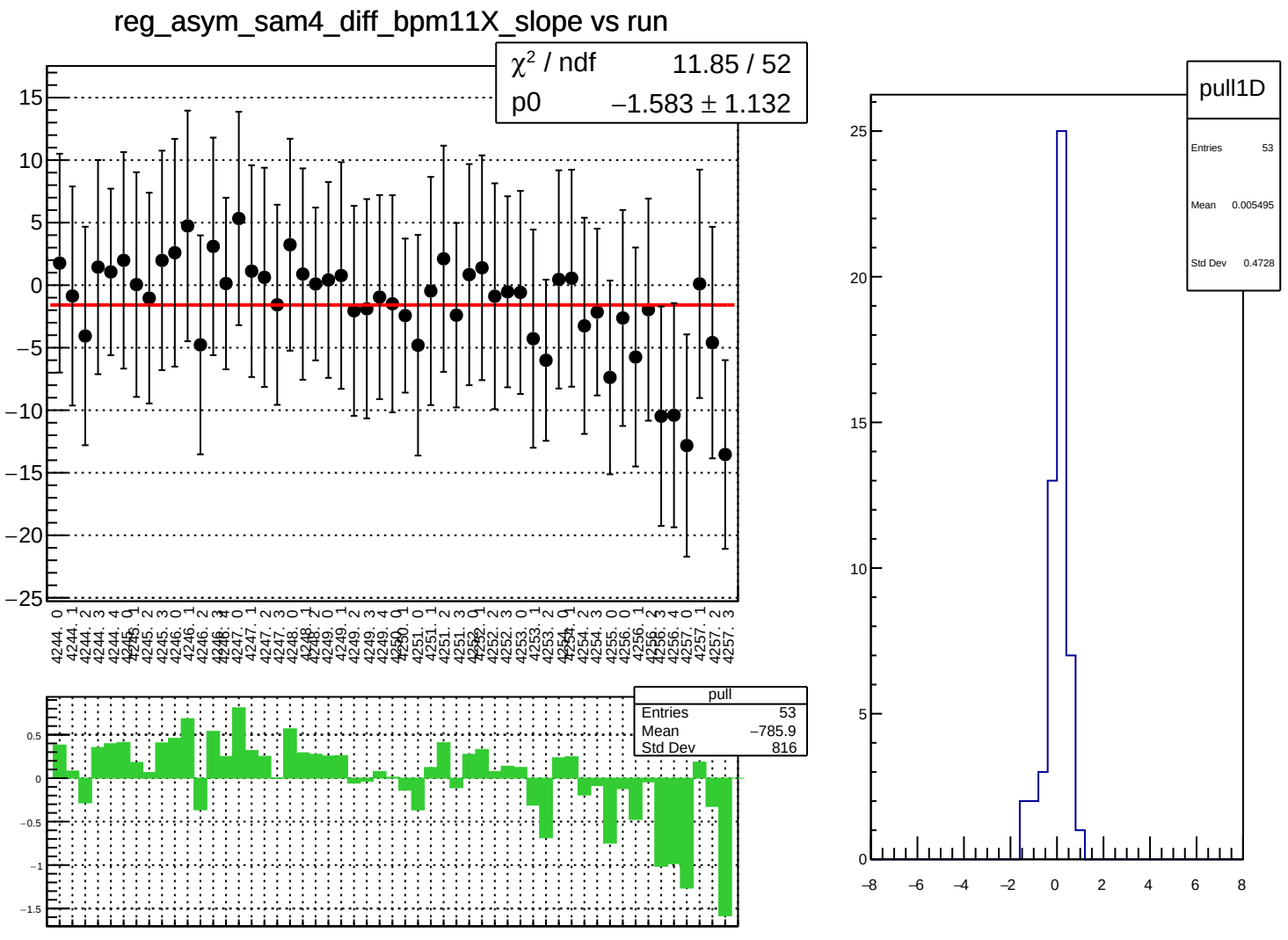

pull1D
Entries 53
Mean −1.121
Std Dev 2.776

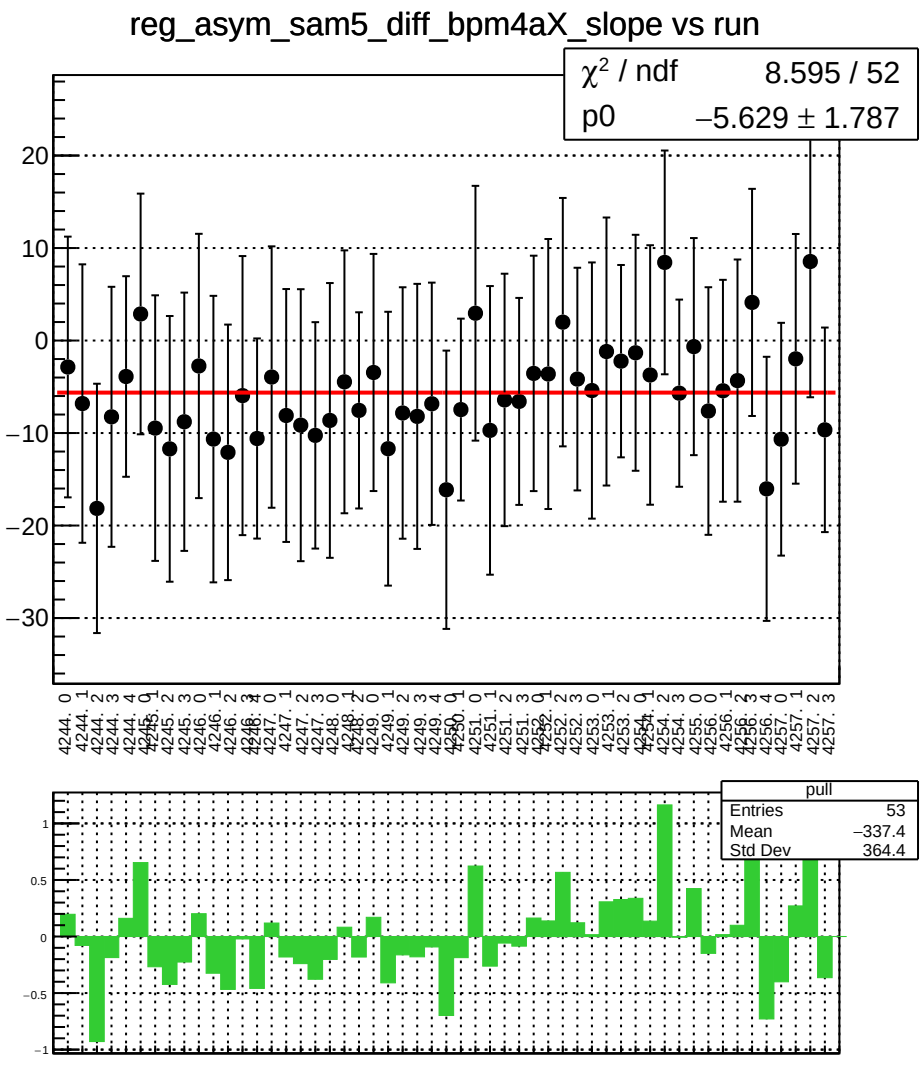

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 52.42 / 52
p0 −502.2 ± 0.9611
pull
Entries 53
Mean 269.8
Std Dev 241.9

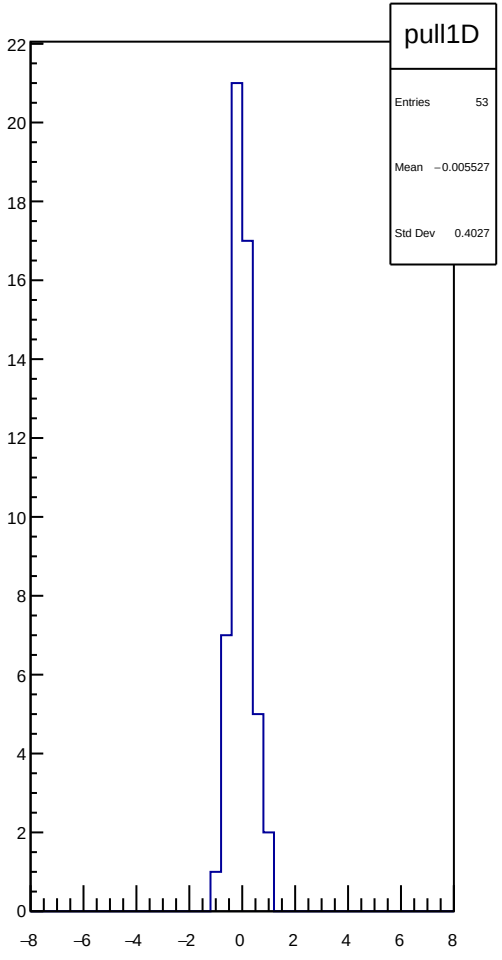

pull1D
Entries 53
Mean −0.003124
Std Dev 0.9945

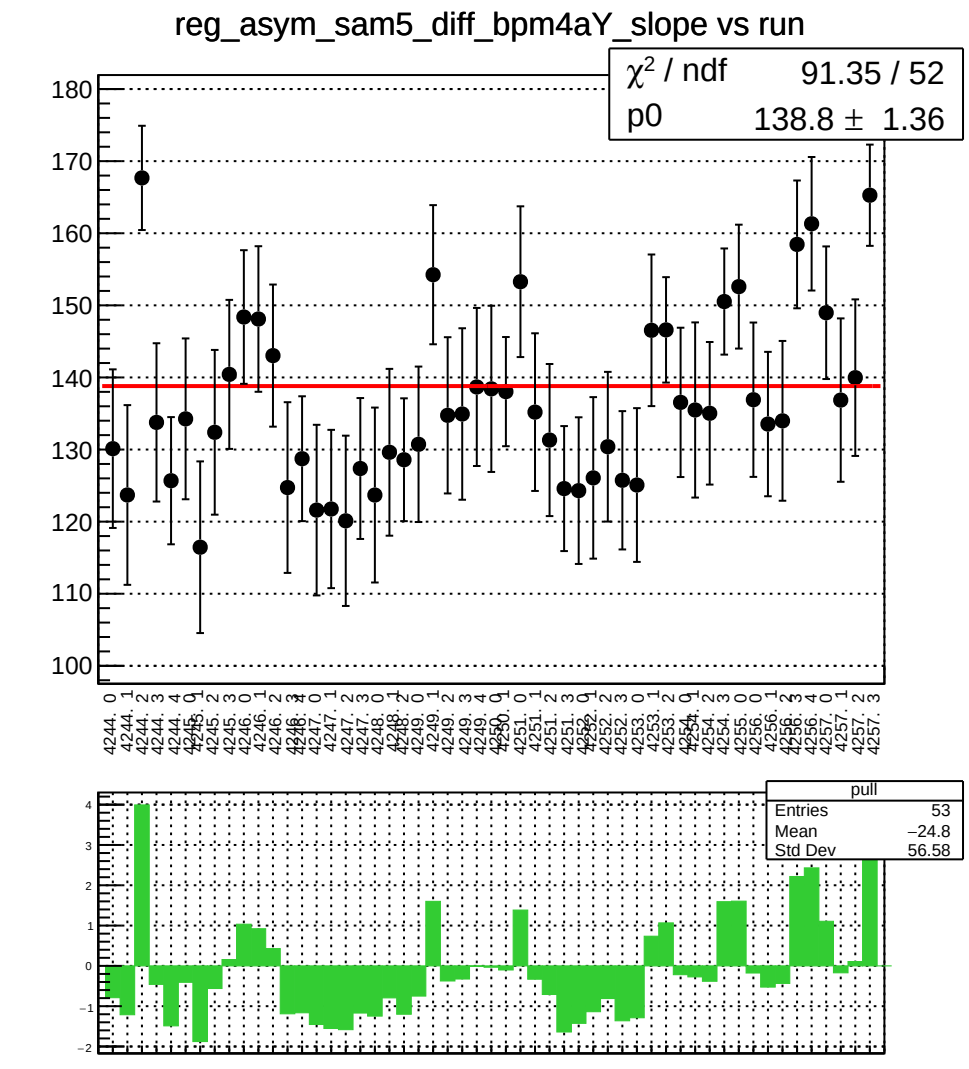

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 881.8 / 52
p0 104 ± 6.284
pull
Entries 53
Mean −1.062
Std Dev 35.58

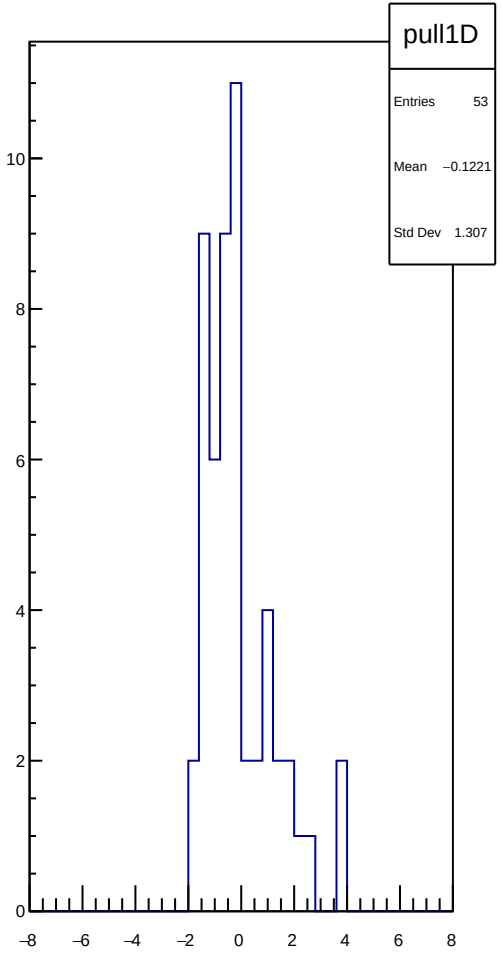

pull1D
Entries 53
Mean 1.15
Std Dev 2.734

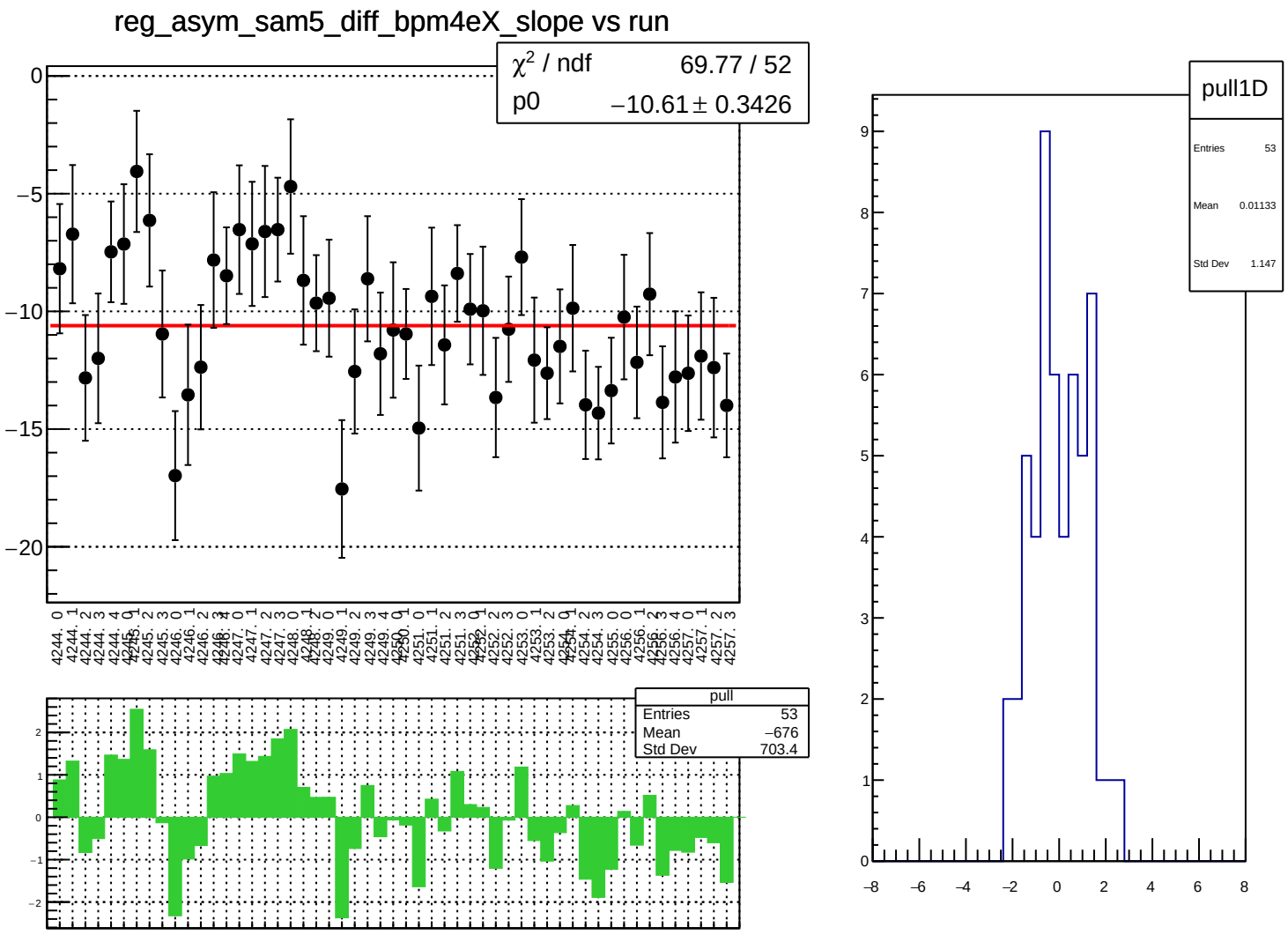

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 11.85 / 52
p0 −1.583 ± 1.132
pull
Entries 53
Mean −785.9
Std Dev 816
pull1D
Entries 53
Mean 0.005495
Std Dev 0.4728

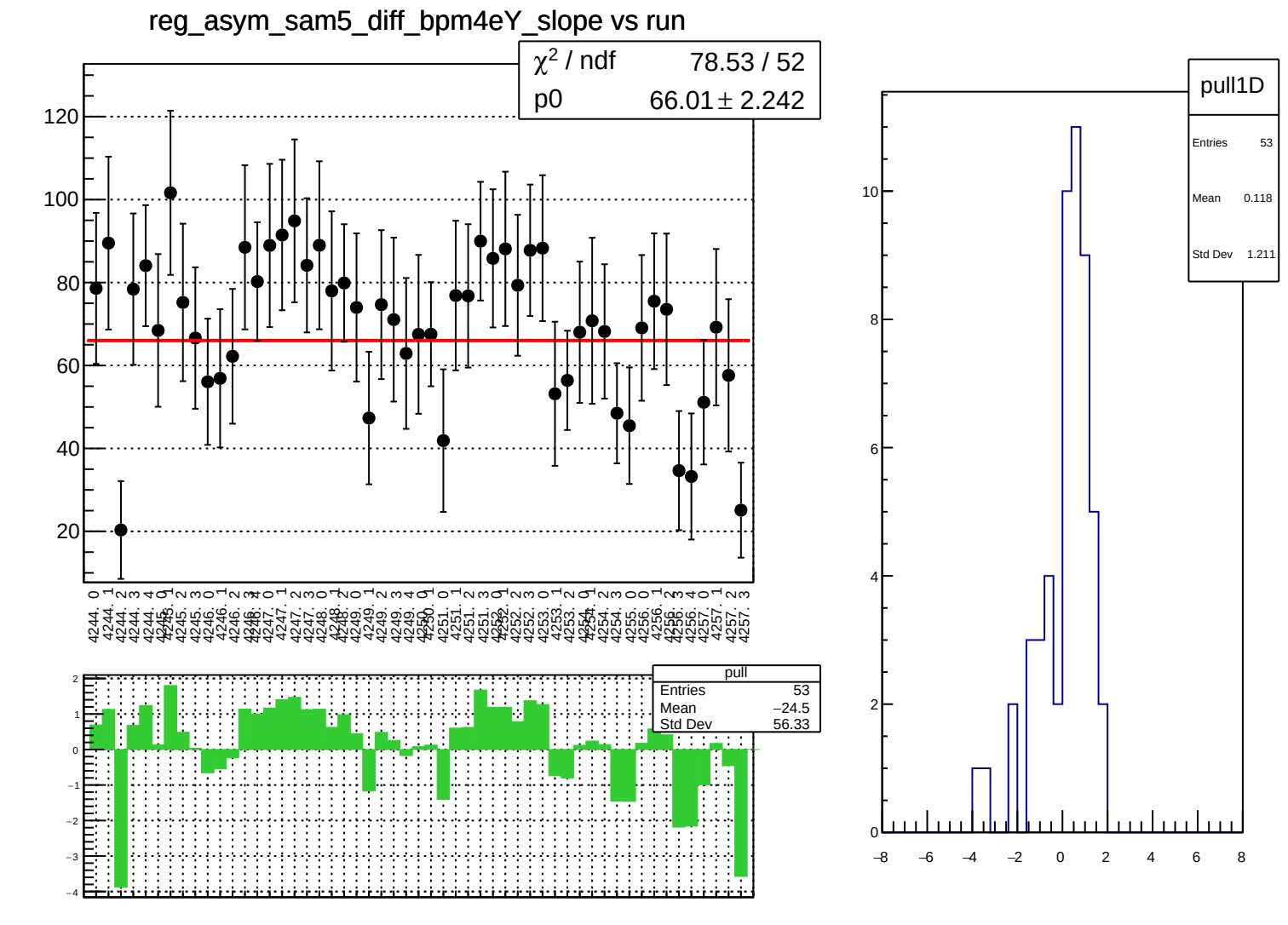

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 8.595 / 52
p0 −5.629 ± 1.787
pull
Entries 53
Mean −337.4
Std Dev 364.4

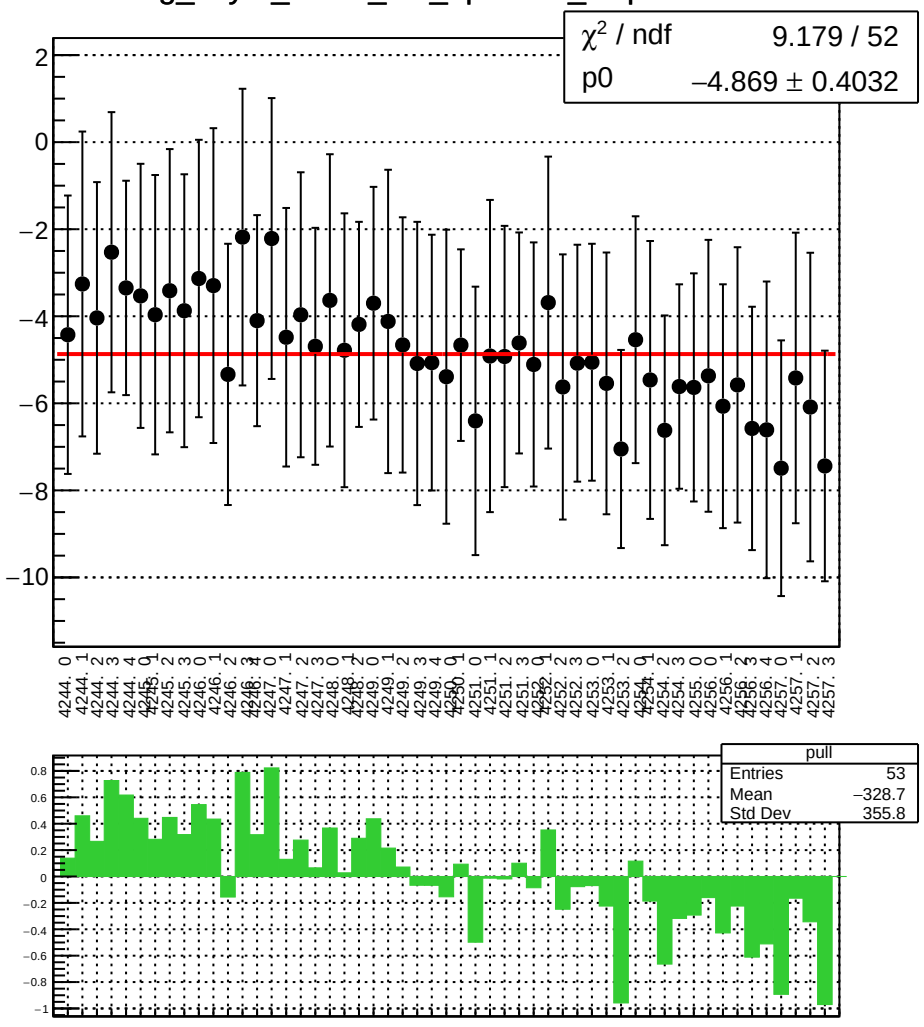

pull1D
Entries 53
Mean −0.005527
Std Dev 0.4027

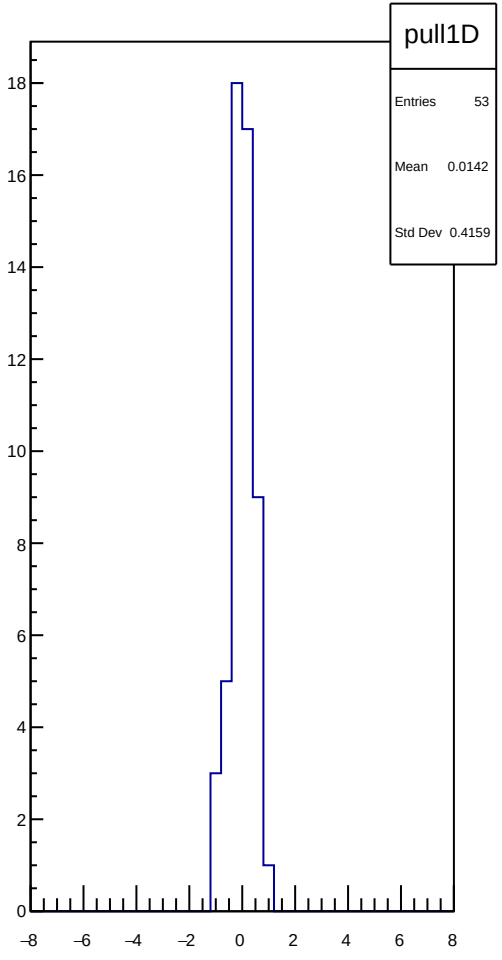

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 91.35 / 52
p0 138.8 ± 1.36
pull
Entries 53
Mean −24.8
Std Dev 56.58

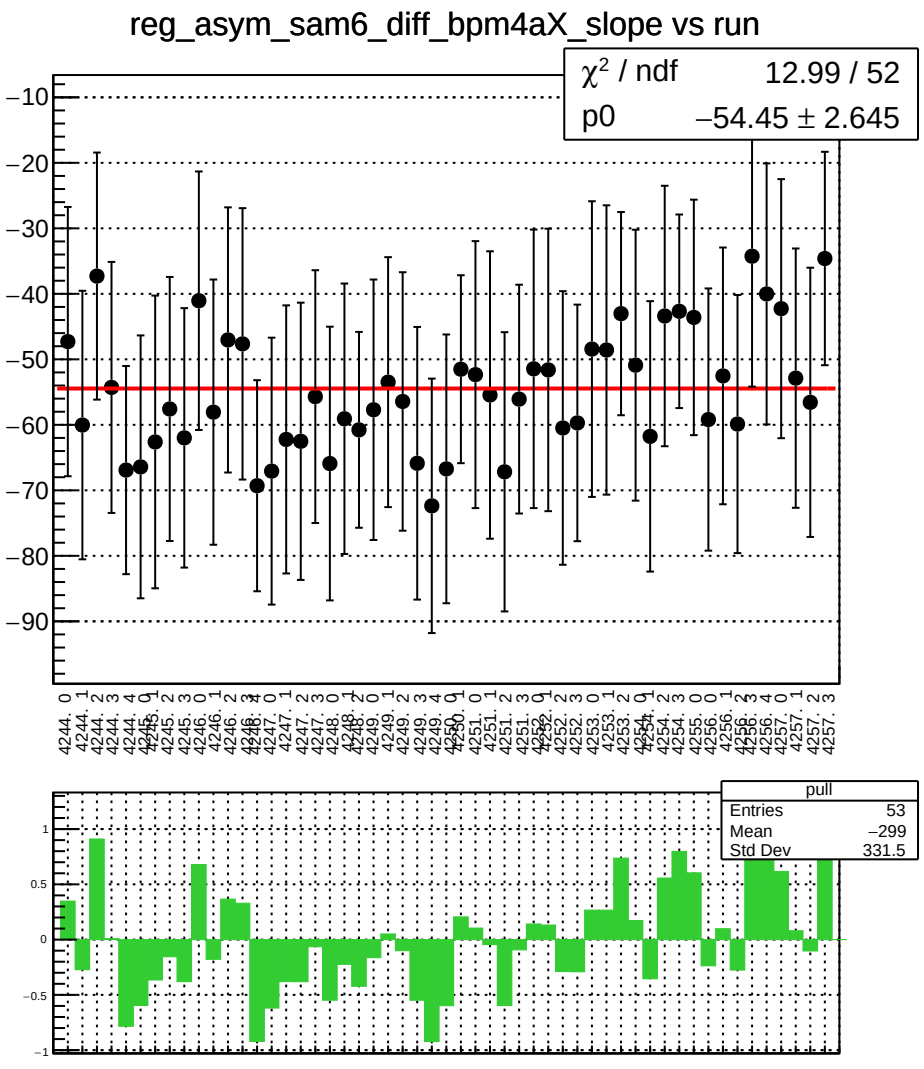

pull1D
Entries 53
Mean −0.1221
Std Dev 1.307

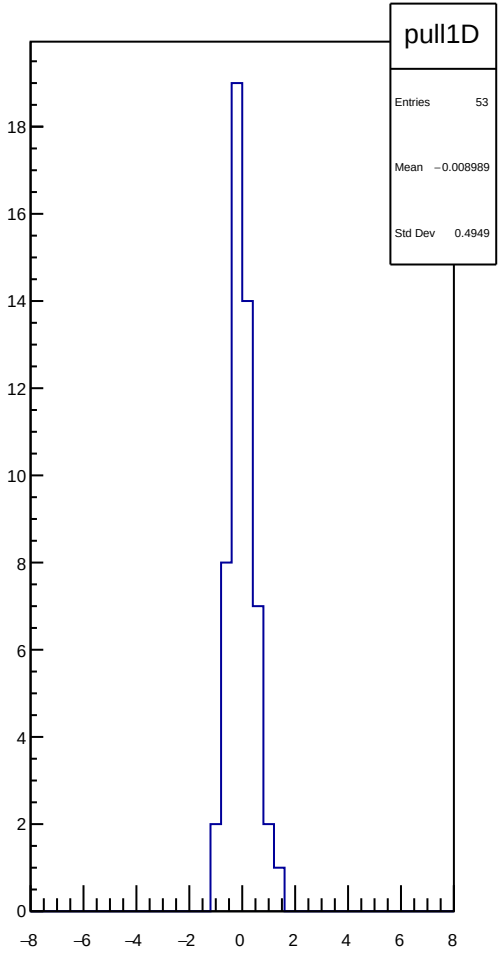

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 69.77 / 52
p0 −10.61 ± 0.3426
pull
Entries 53
Mean −676
Std Dev 703.4
pull1D
Entries 53
Mean 0.01133
Std Dev 1.147

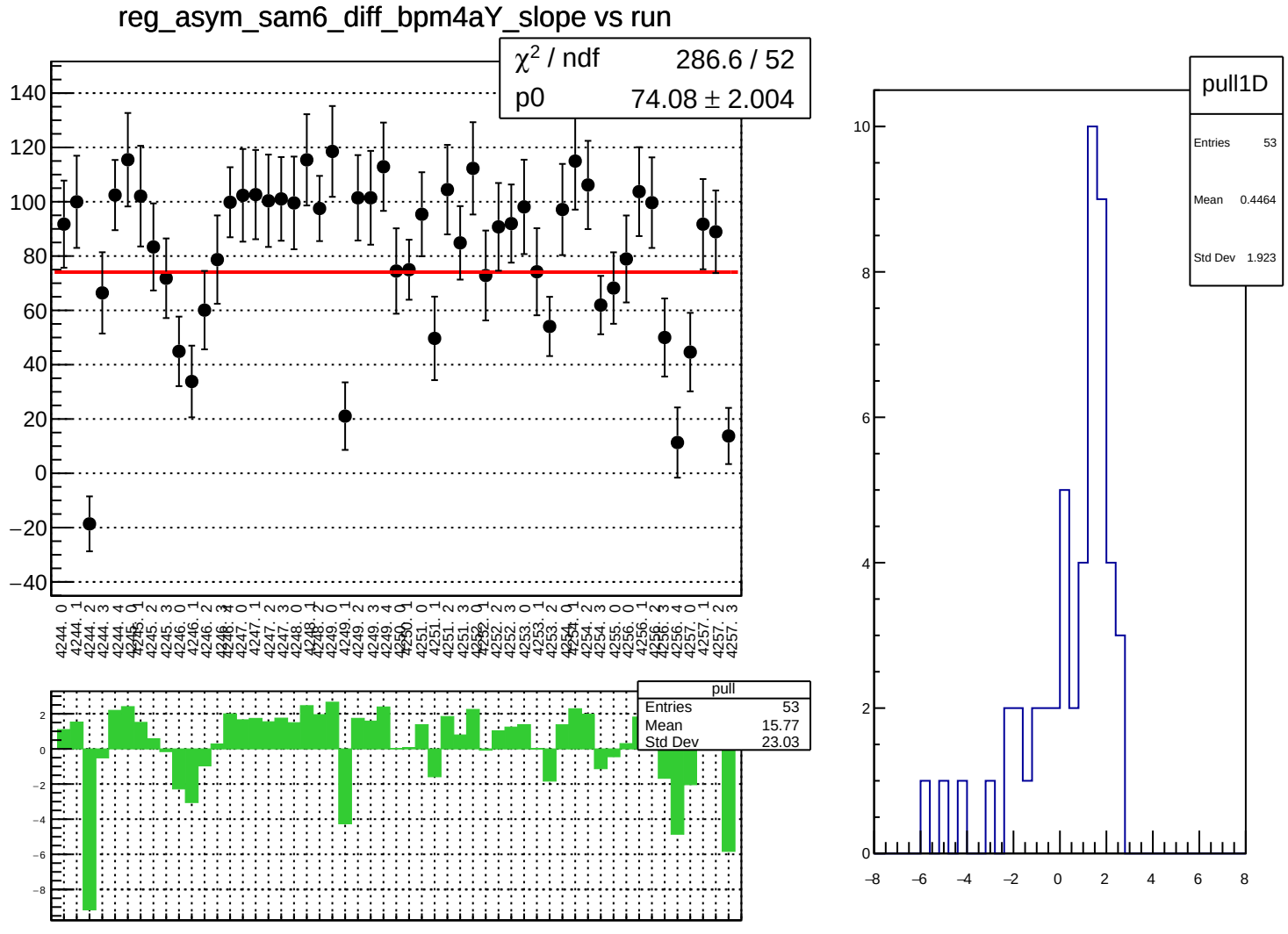

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 78.53 / 52
p0 66.01 ± 2.242
pull
Entries 53
Mean −24.5
Std Dev 56.33
pull1D
Entries 53
Mean 0.118
Std Dev 1.211

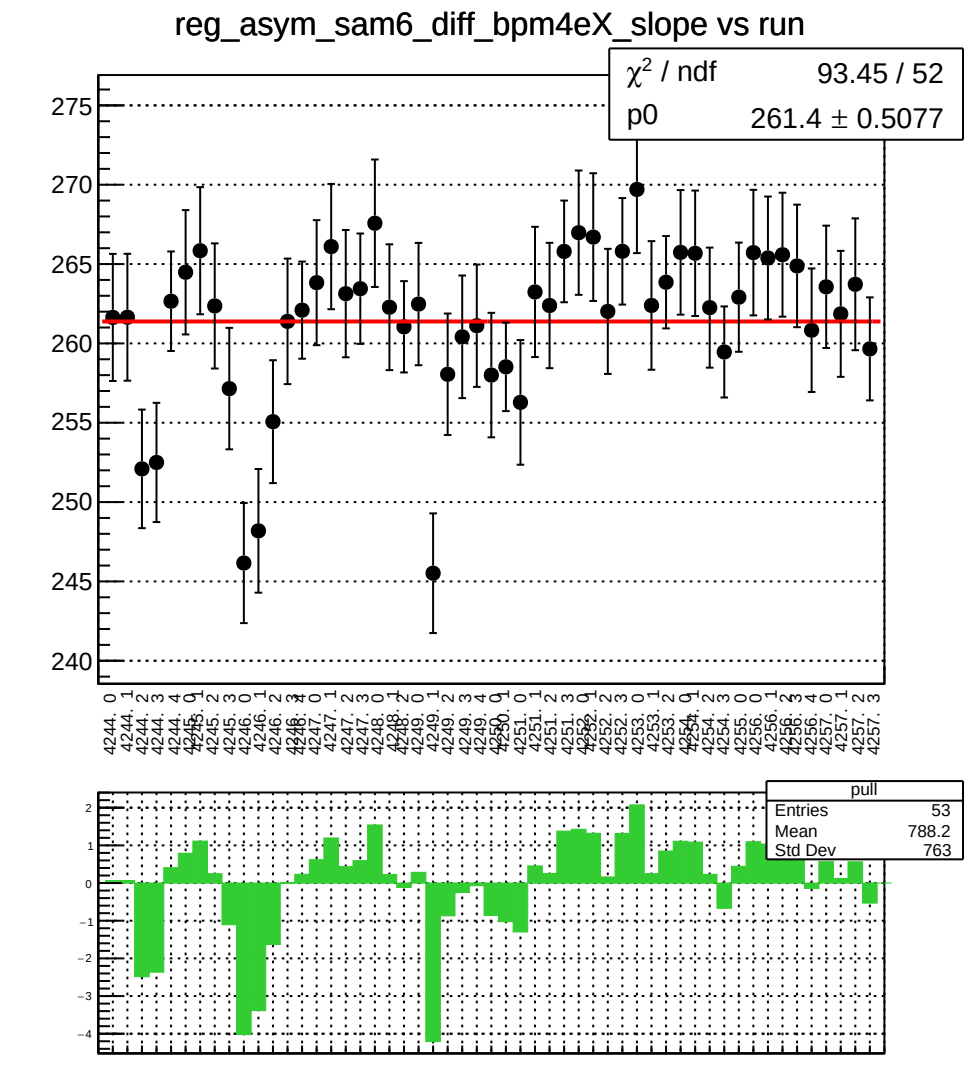

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 9.179 / 52
p0 −4.869 ± 0.4032
pull
Entries 53
Mean −328.7
Std Dev 355.8

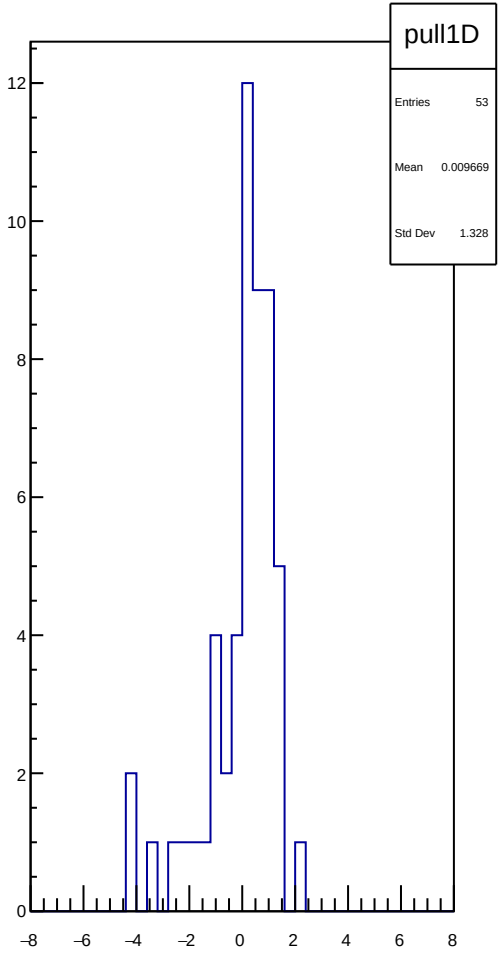

pull1D
Entries 53
Mean 0.0142
Std Dev 0.4159

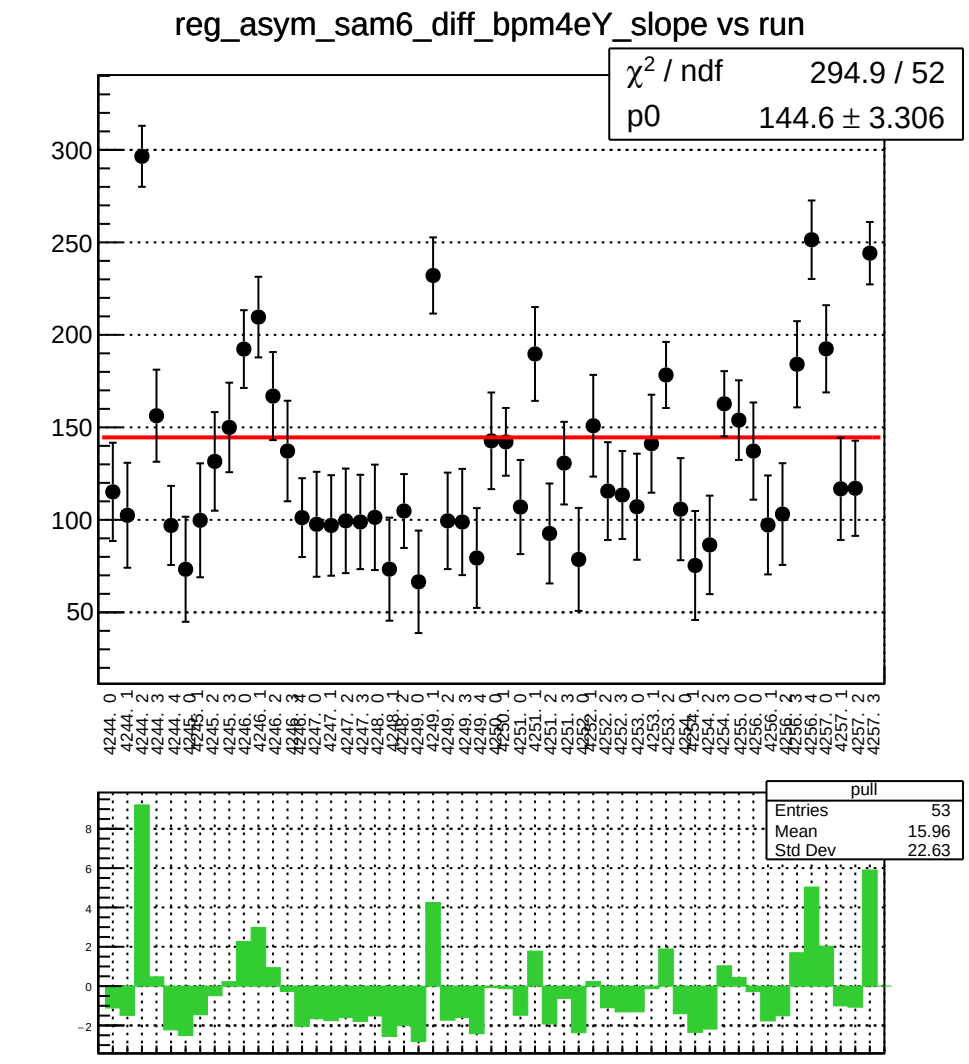

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 12.99 / 52
p0 −54.45 ± 2.645
pull
Entries 53
Mean −299
Std Dev 331.5

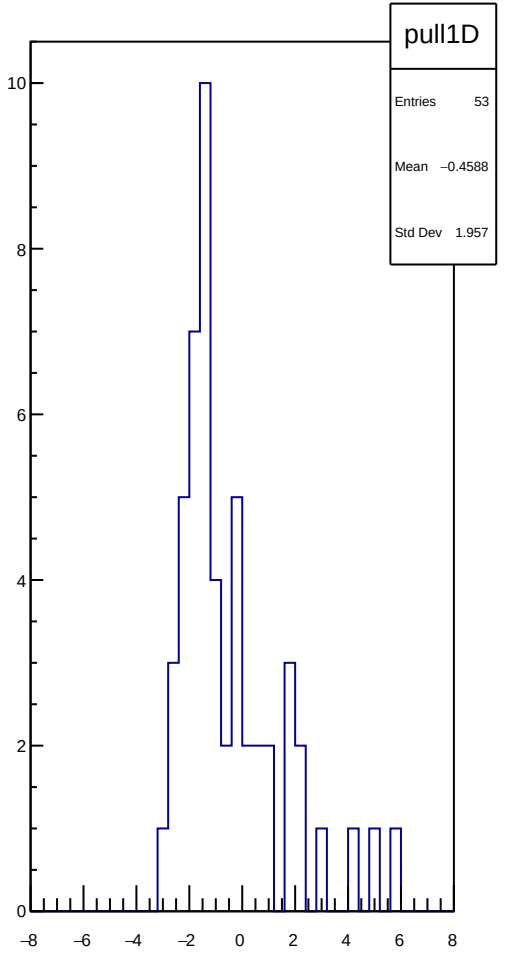

pull1D
Entries 53
Mean −0.008989
Std Dev 0.4949

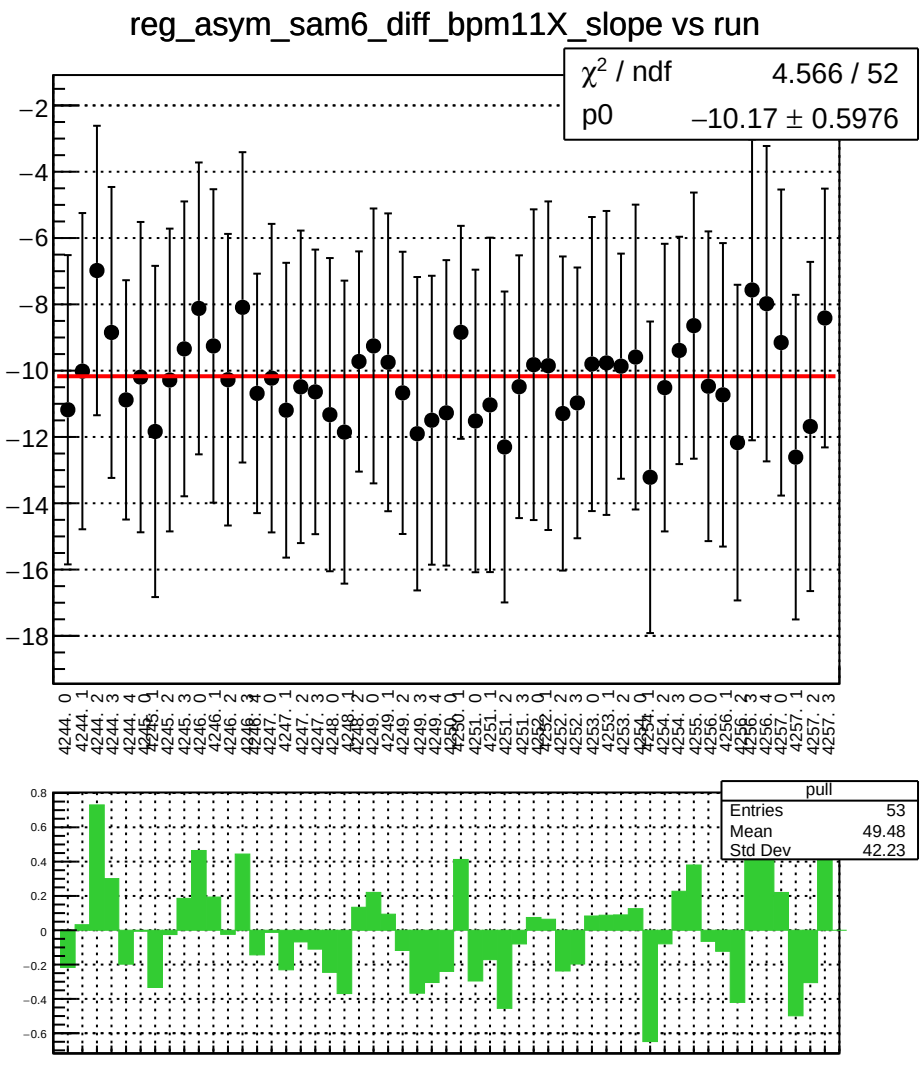

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 286.6 / 52
p0 74.08 ± 2.004
pull
Entries 53
Mean 15.77
Std Dev 23.03
pull1D
Entries 53
Mean 0.4464
Std Dev 1.923

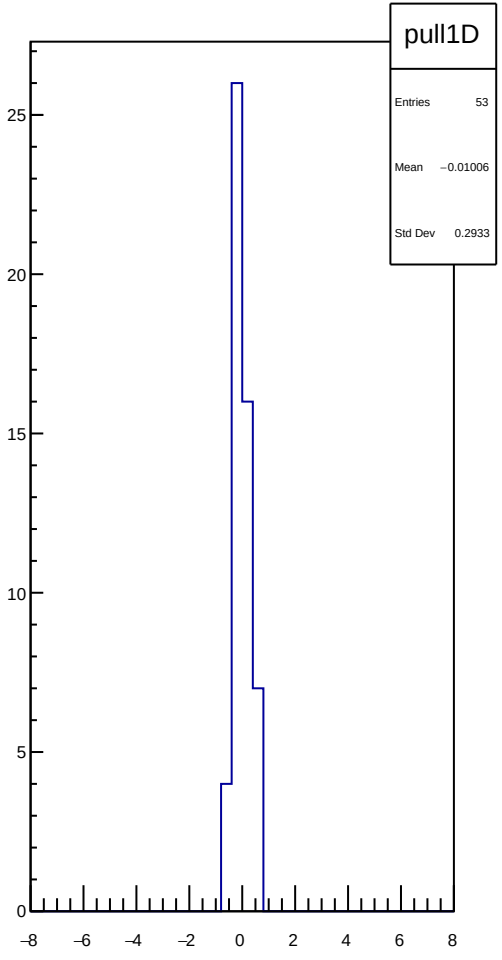

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 93.45 / 52
p0 261.4 ± 0.5077
pull
Entries 53
Mean 788.2
Std Dev 763

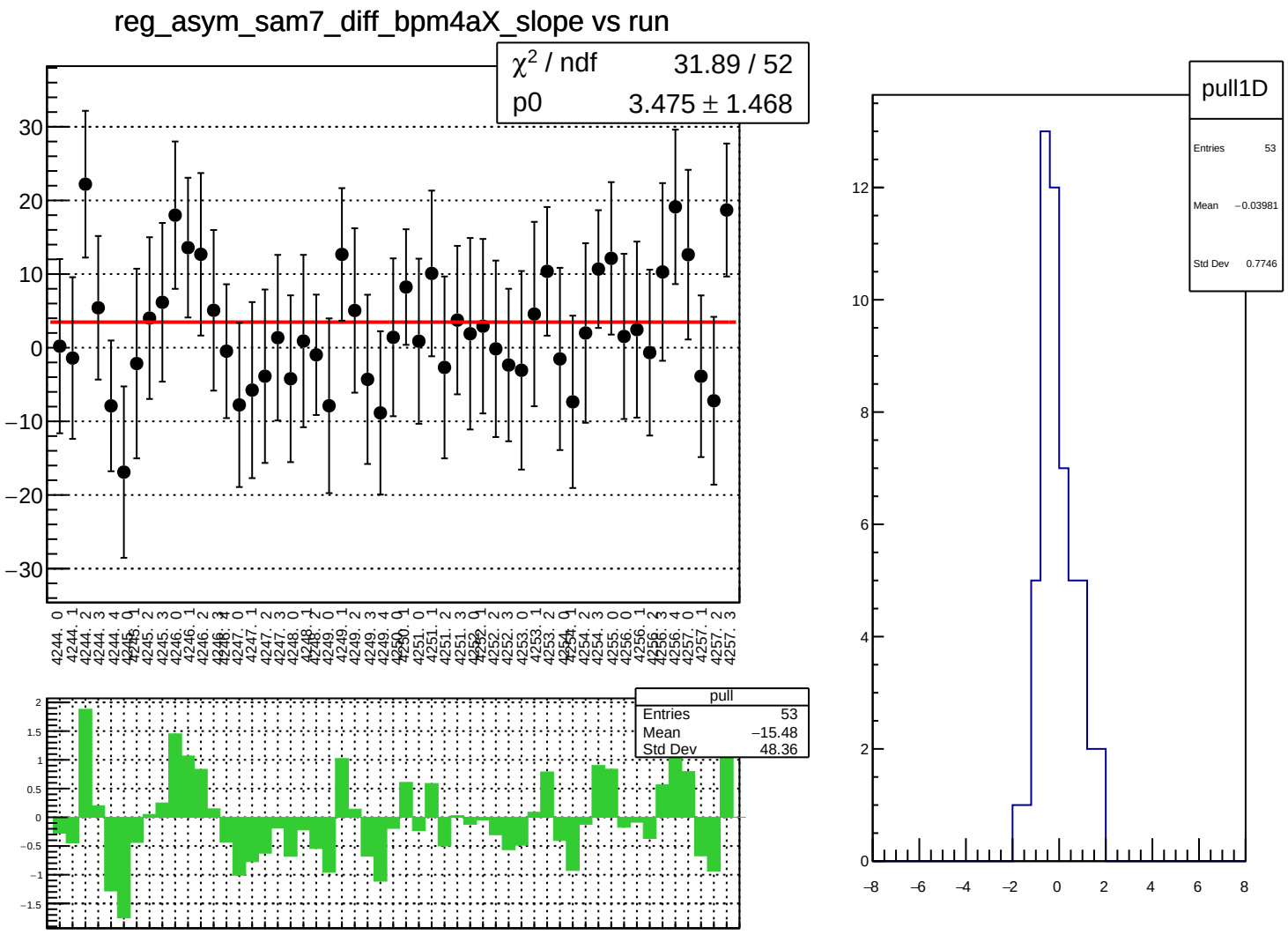

pull1D
Entries 53
Mean 0.009669
Std Dev 1.328

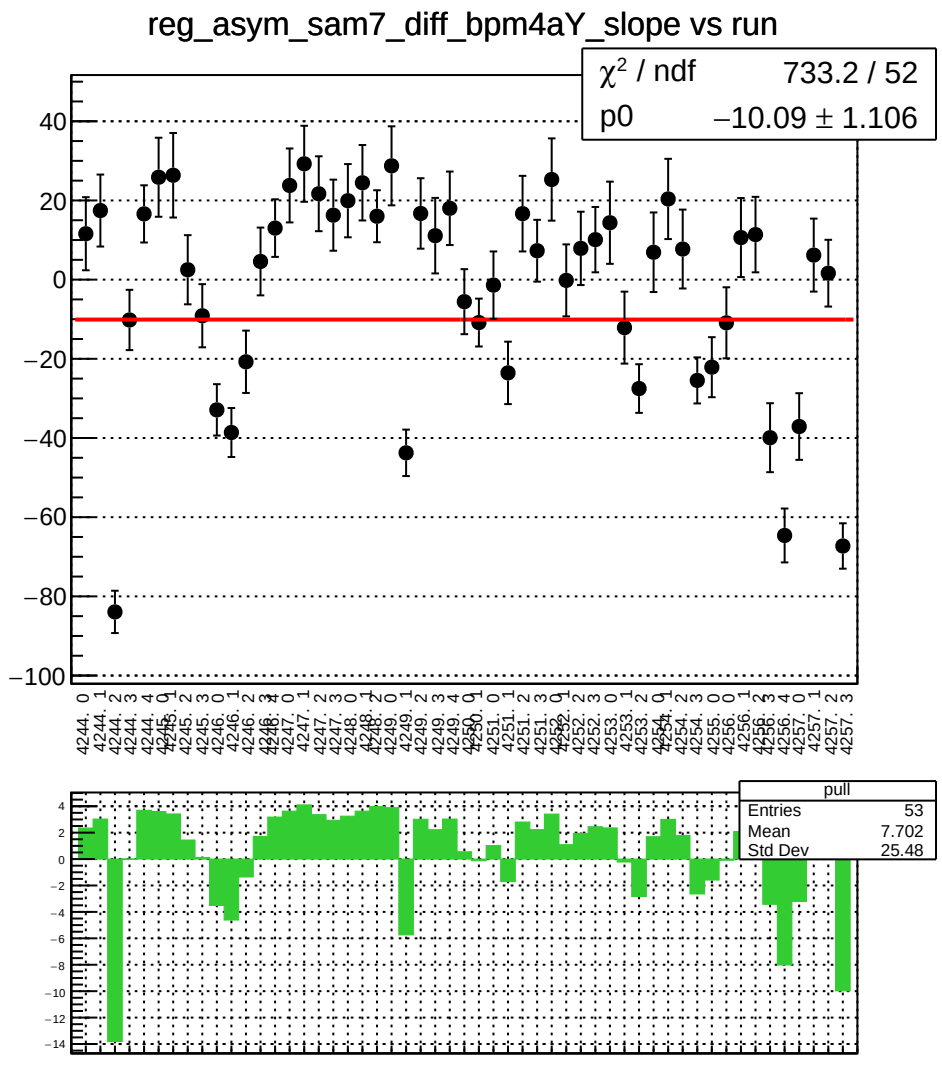

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 294.9 / 52
p0 144.6 ± 3.306
300
250
200
150
100
50
pull
Entries 53
Mean 15.96
Std Dev 22.63
8
6
4
2
0
−2

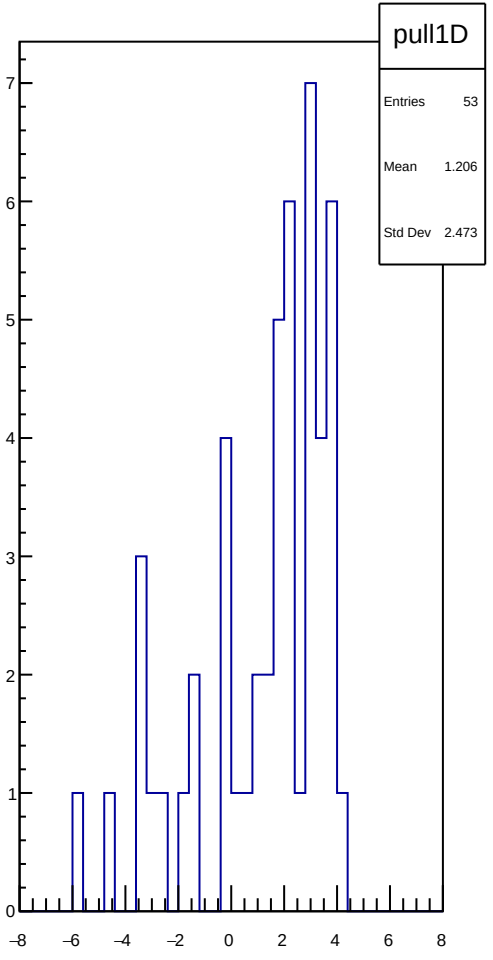

pull1D
Entries 53
Mean −0.4588
Std Dev 1.957
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

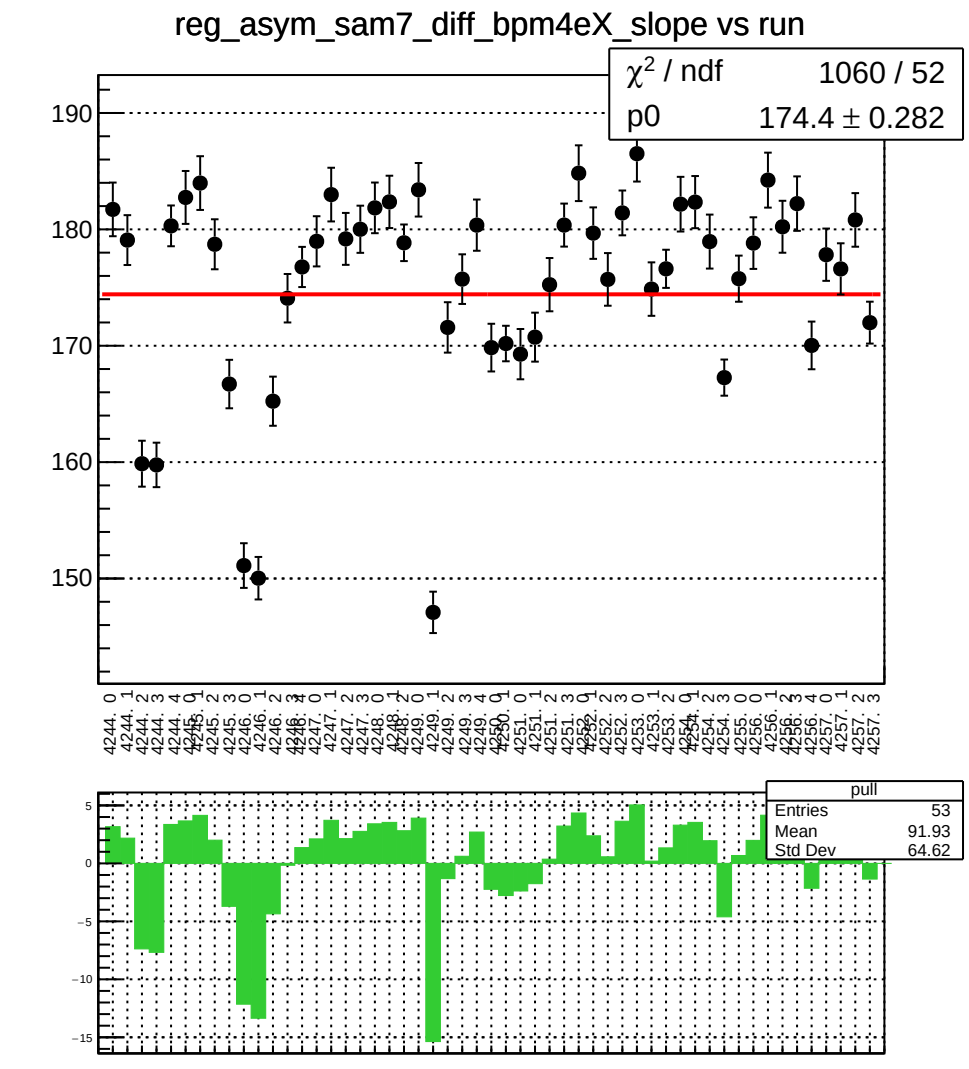

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 4.566 / 52
p0 −10.17 ± 0.5976
pull
Entries 53
Mean 49.48
Std Dev 42.23

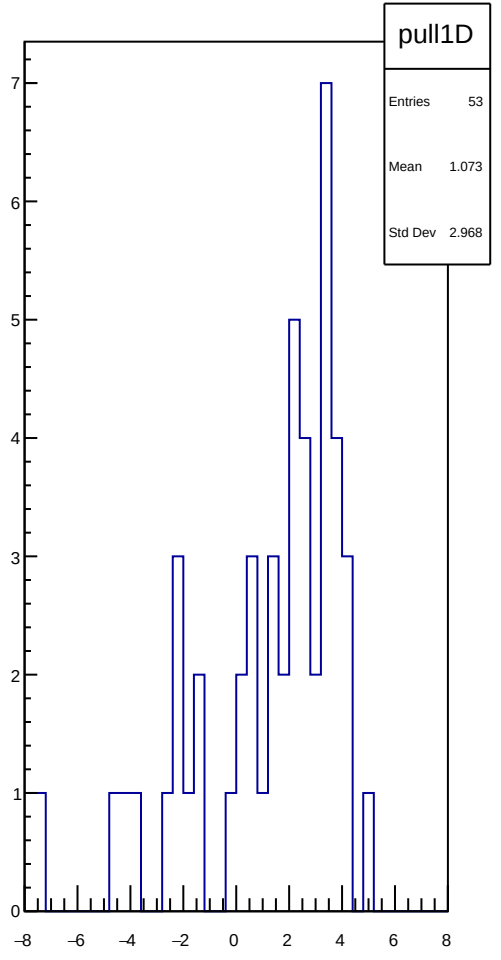

pull1D
Entries 53
Mean −0.01006
Std Dev 0.2933

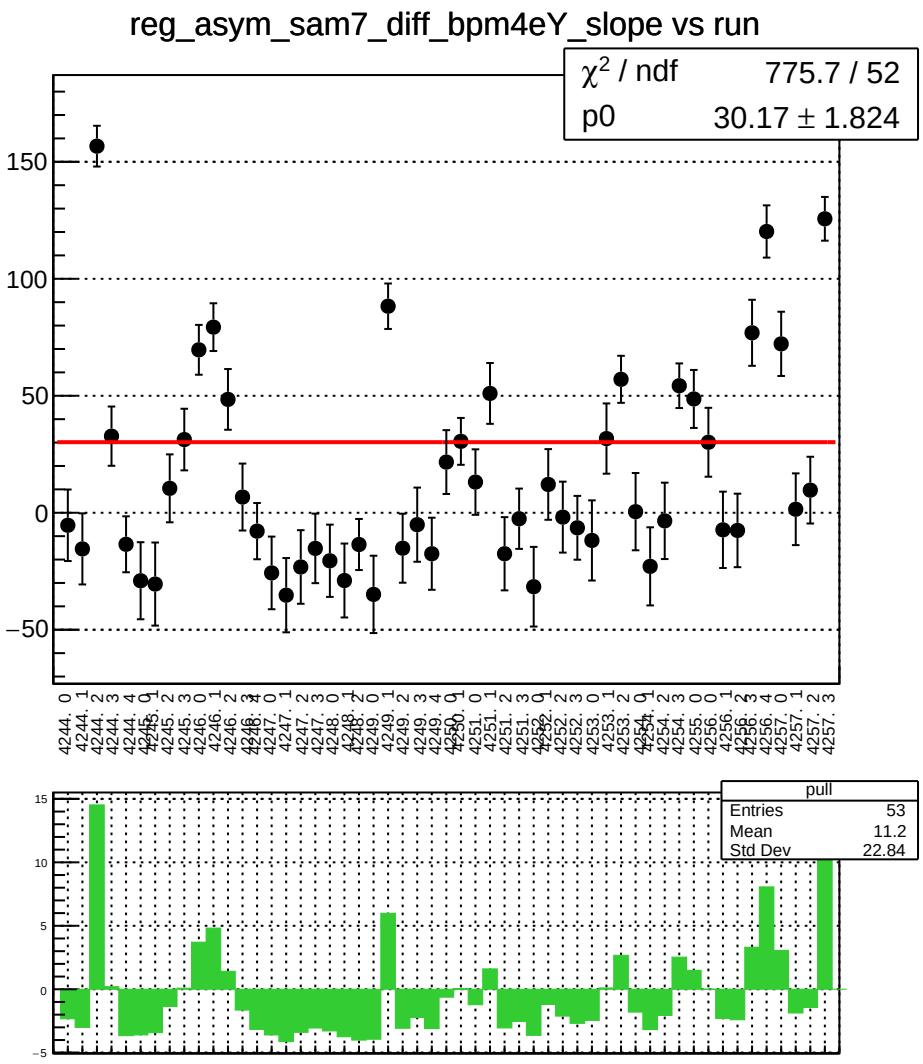

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 31.89 / 52
p0 3.475 ± 1.468
pull
Entries 53
Mean −15.48
Std Dev 48.36
pull1D
Entries 53
Mean −0.03981
Std Dev 0.7746

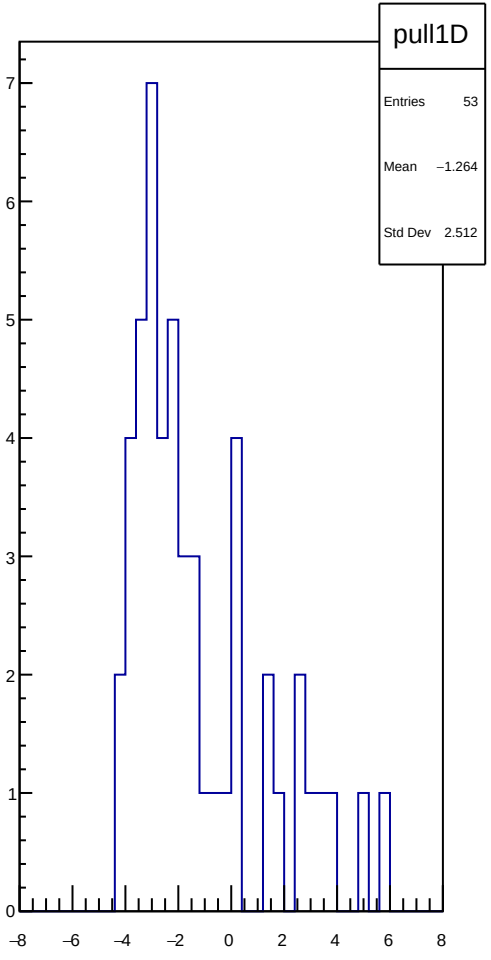

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 733.2 / 52
p0 −10.09 ± 1.106
pull
Entries 53
Mean 7.702
Std Dev 25.48

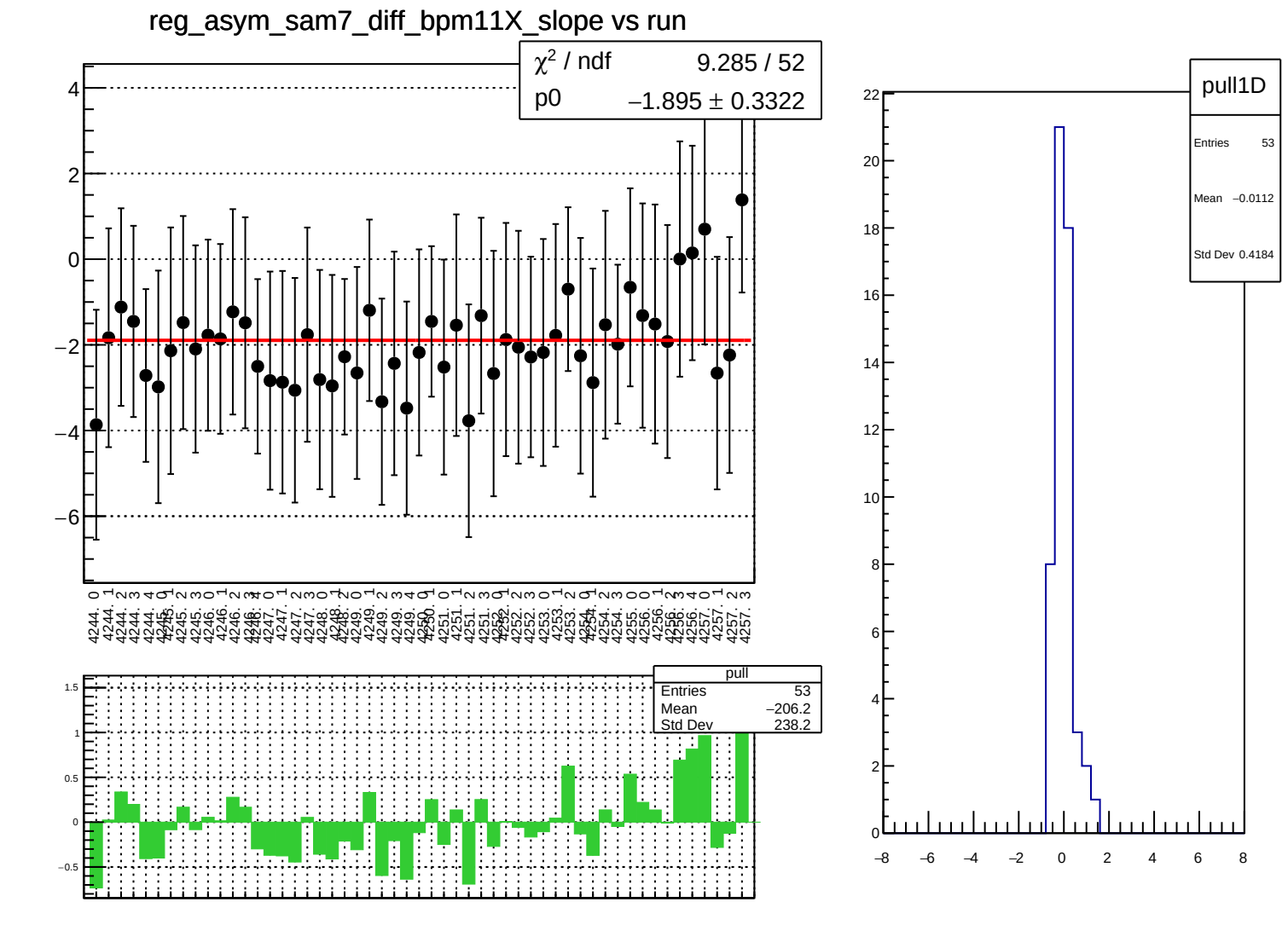

pull1D
Entries 53
Mean 1.206
Std Dev 2.473

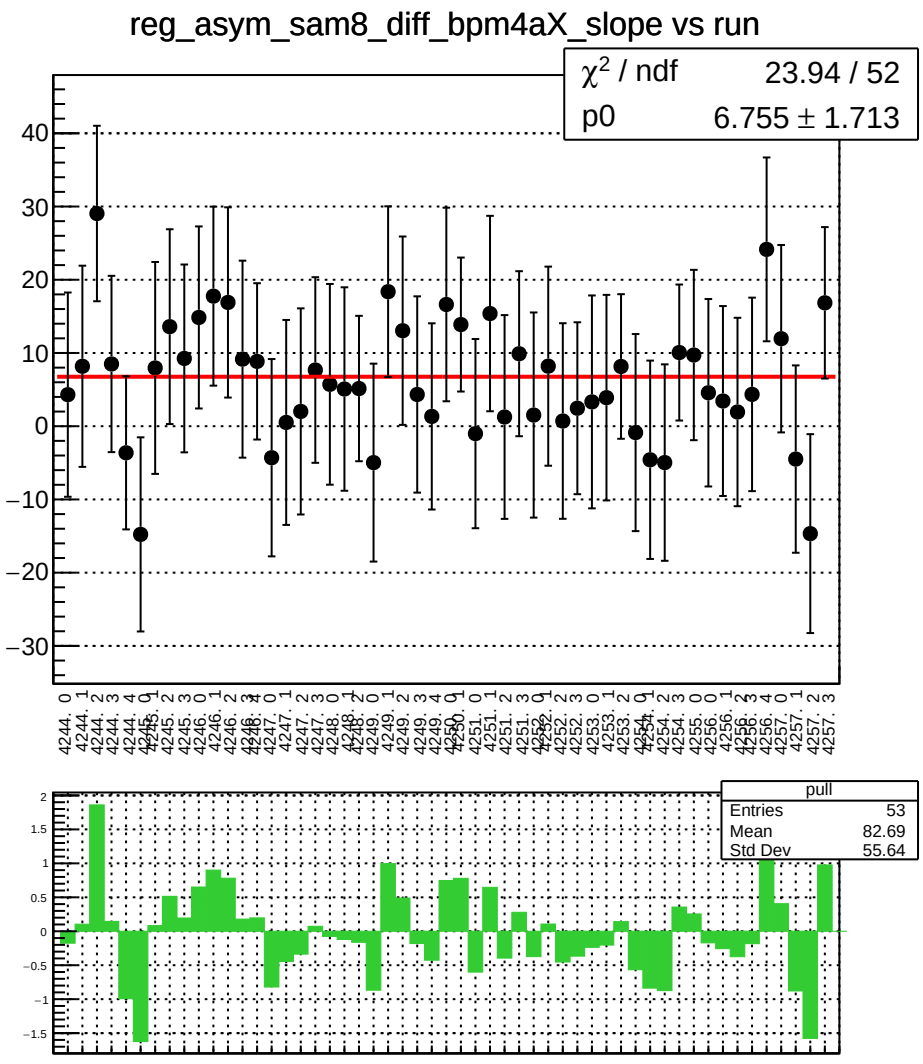

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 1060 / 52
p0 174.4 ± 0.282
190
180
170
160
150
pull
Entries 53
Mean 91.93
Std Dev 64.62
5
0
−5
−10
−15

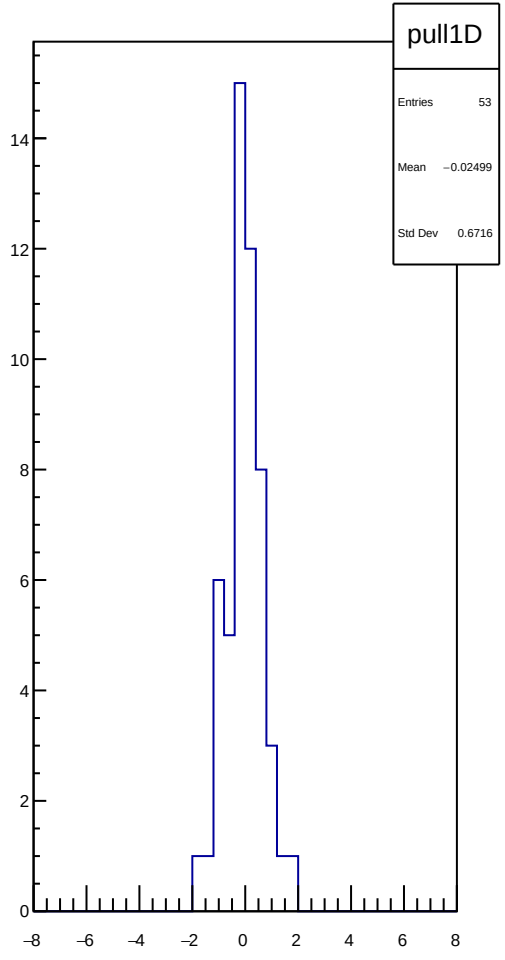

pull1D
Entries 53
Mean 1.073
Std Dev 2.968
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

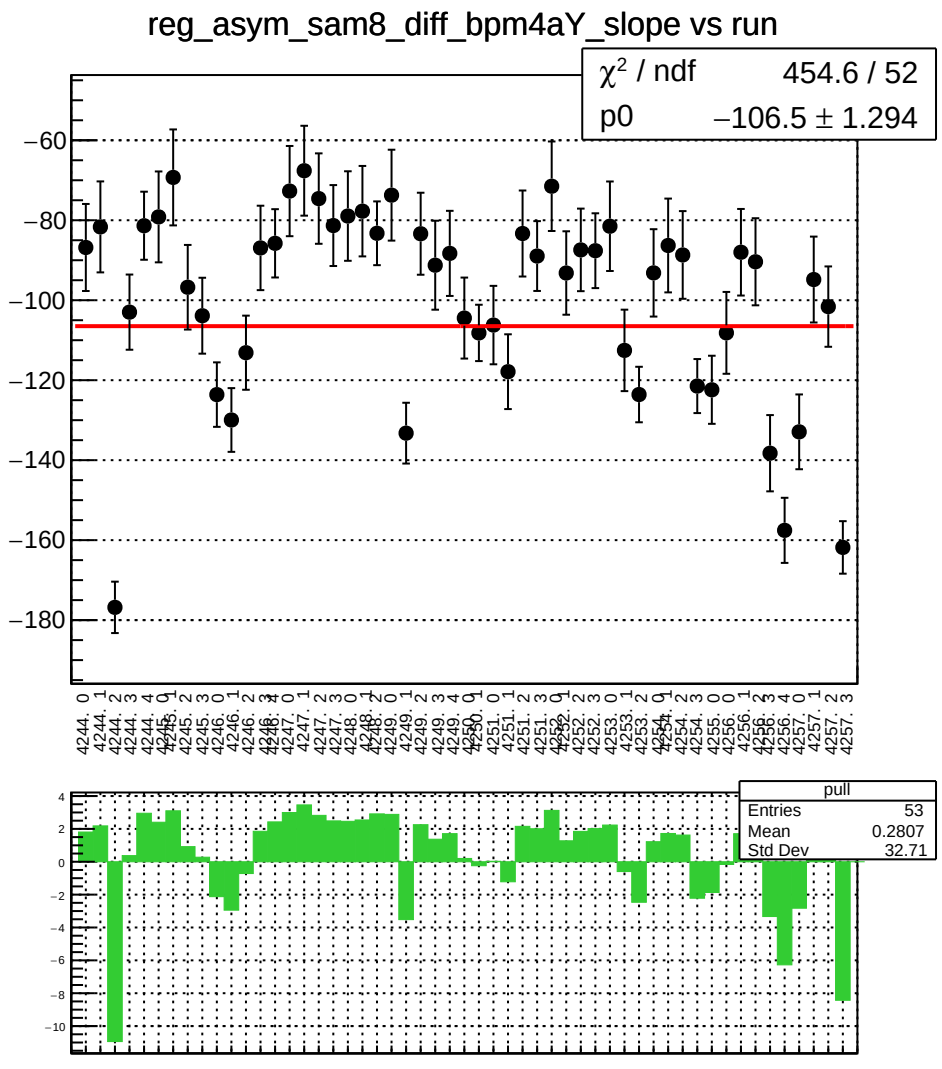

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 775.7 / 52
p0 30.17 ± 1.824
150
100
50
0
−50
pull
Entries 53
Mean 11.2
Std Dev 22.84
15
10
5
0
−5

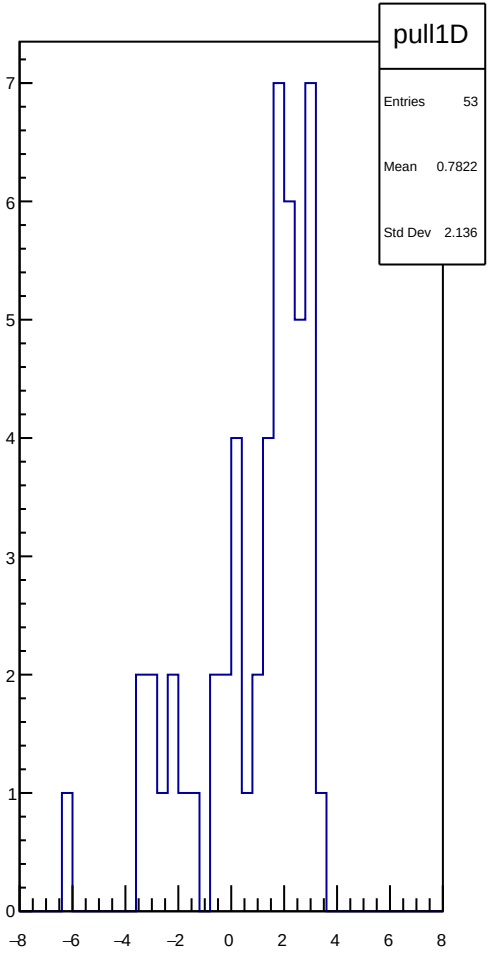

pull1D
Entries 53
Mean −1.264
Std Dev 2.512
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

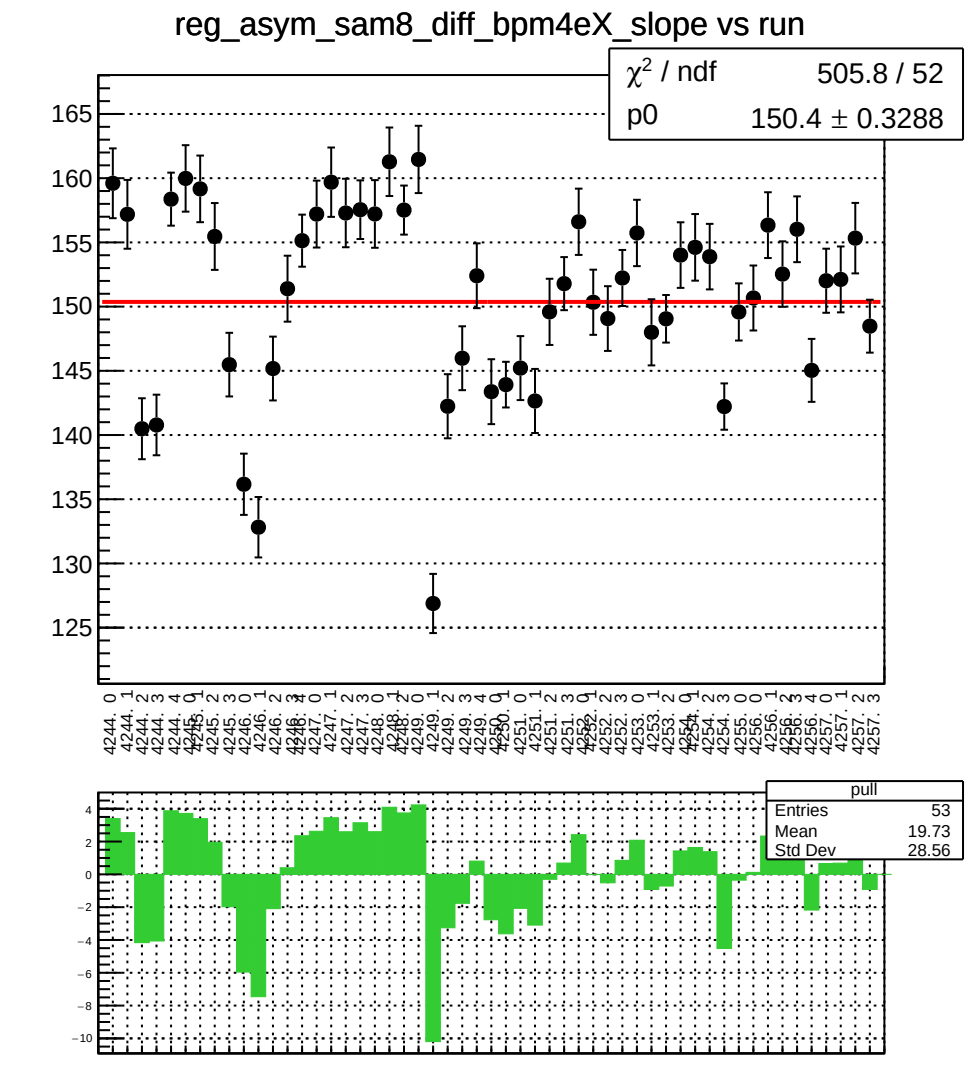

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 9.285 / 52
p0 −1.895 ± 0.3322
pull
Entries 53
Mean −206.2
Std Dev 238.2
pull1D
Entries 53
Mean −0.0112
Std Dev 0.4184

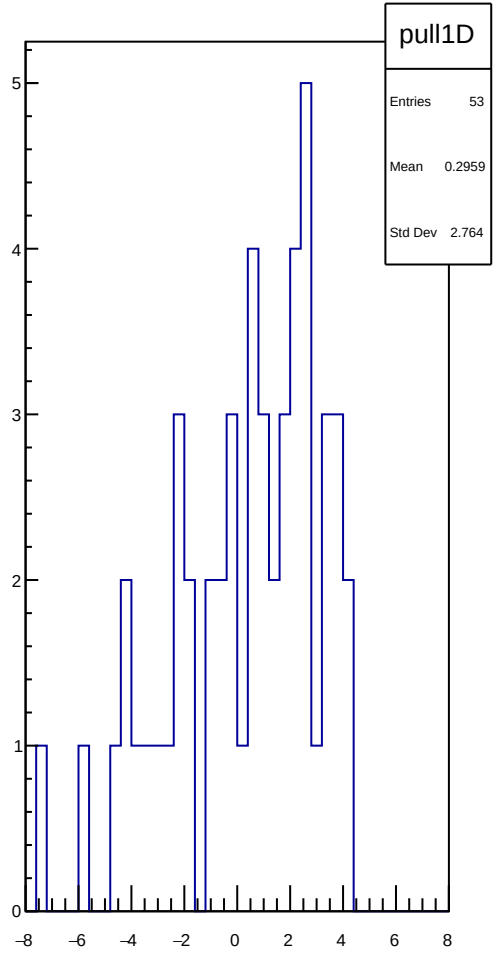

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 23.94 / 52
p0 6.755 ± 1.713
pull
Entries 53
Mean 82.69
Std Dev 55.64

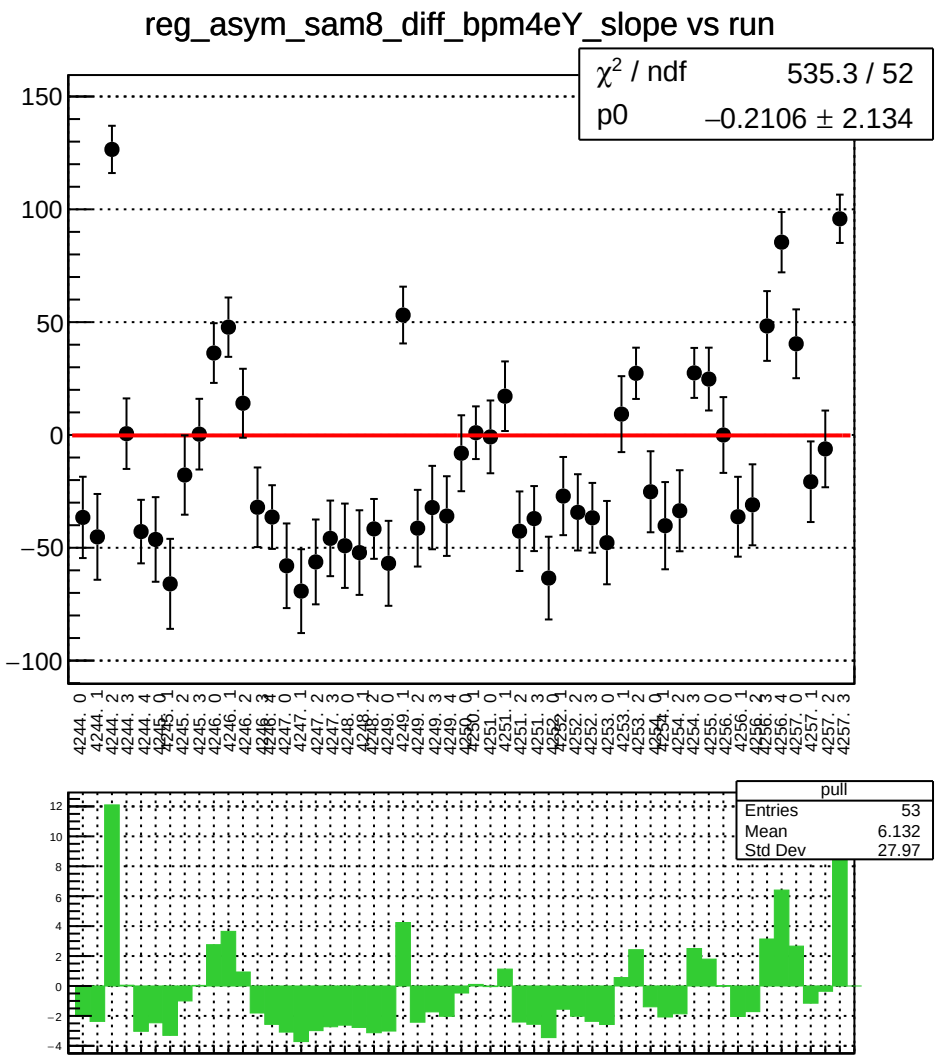

pull1D
Entries 53
Mean −0.02499
Std Dev 0.6716

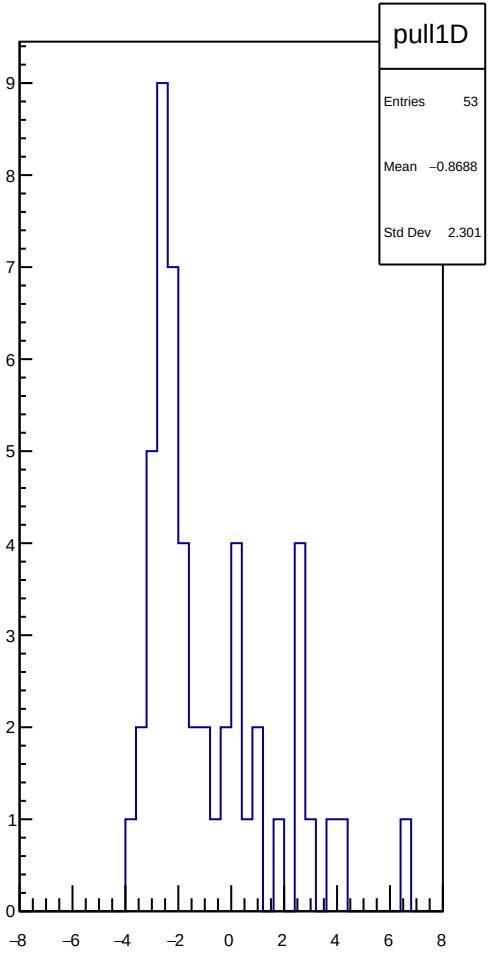

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 454.6 / 52
p0 −106.5 ± 1.294
pull
Entries 53
Mean 0.2807
Std Dev 32.71

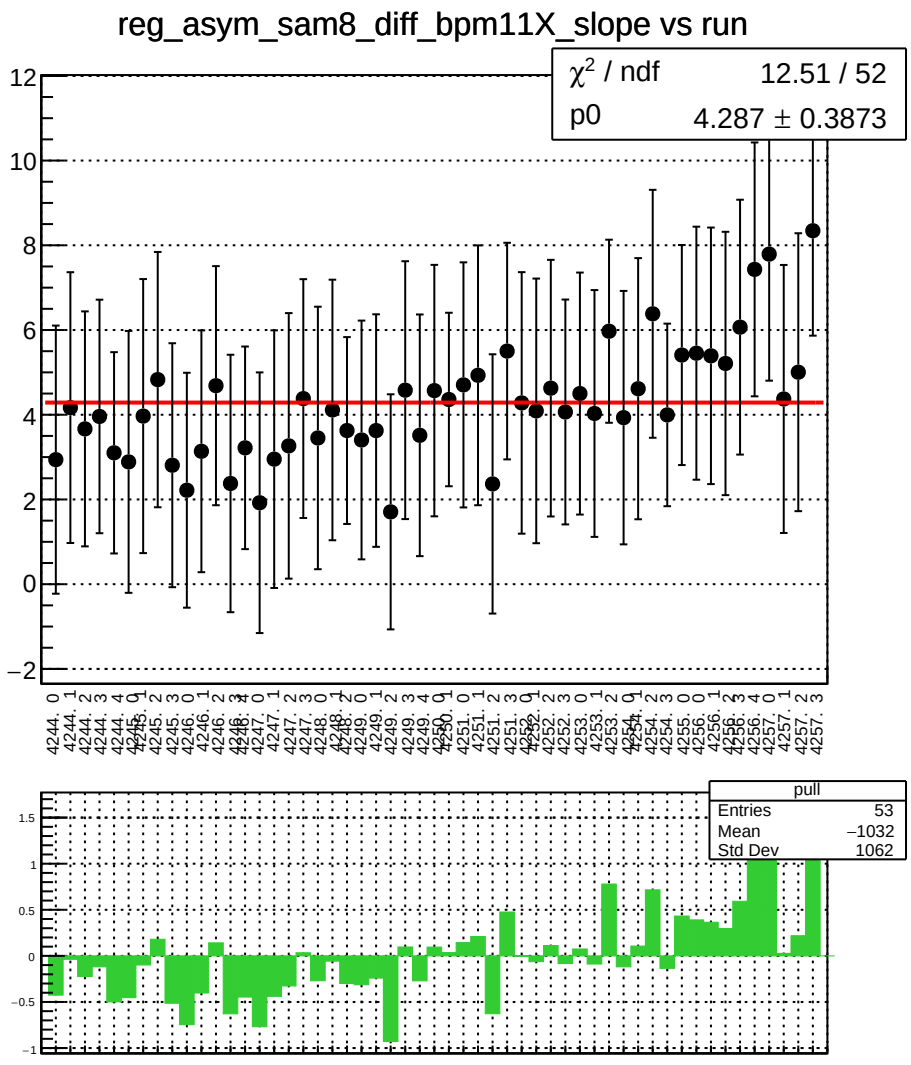

pull1D
Entries 53
Mean 0.7822
Std Dev 2.136

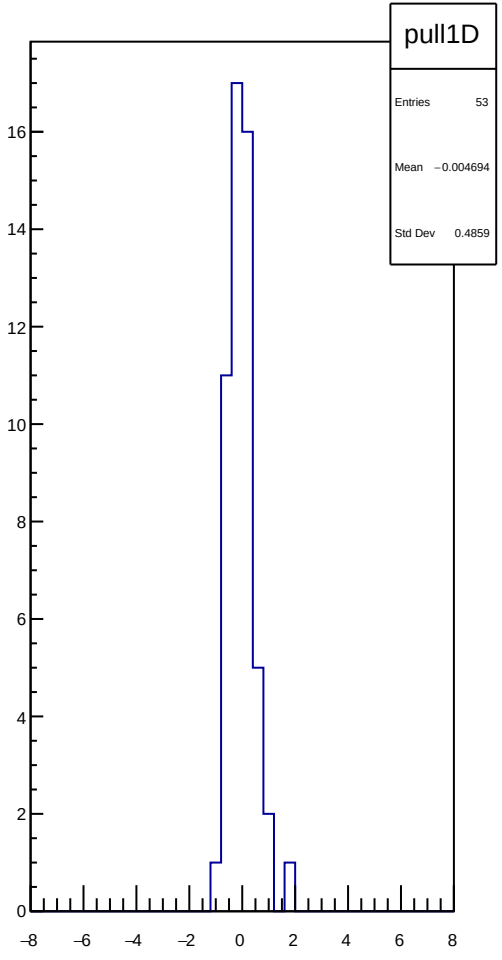

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 505.8 / 52
p0 150.4 ± 0.3288
pull
Entries 53
Mean 19.73
Std Dev 28.56

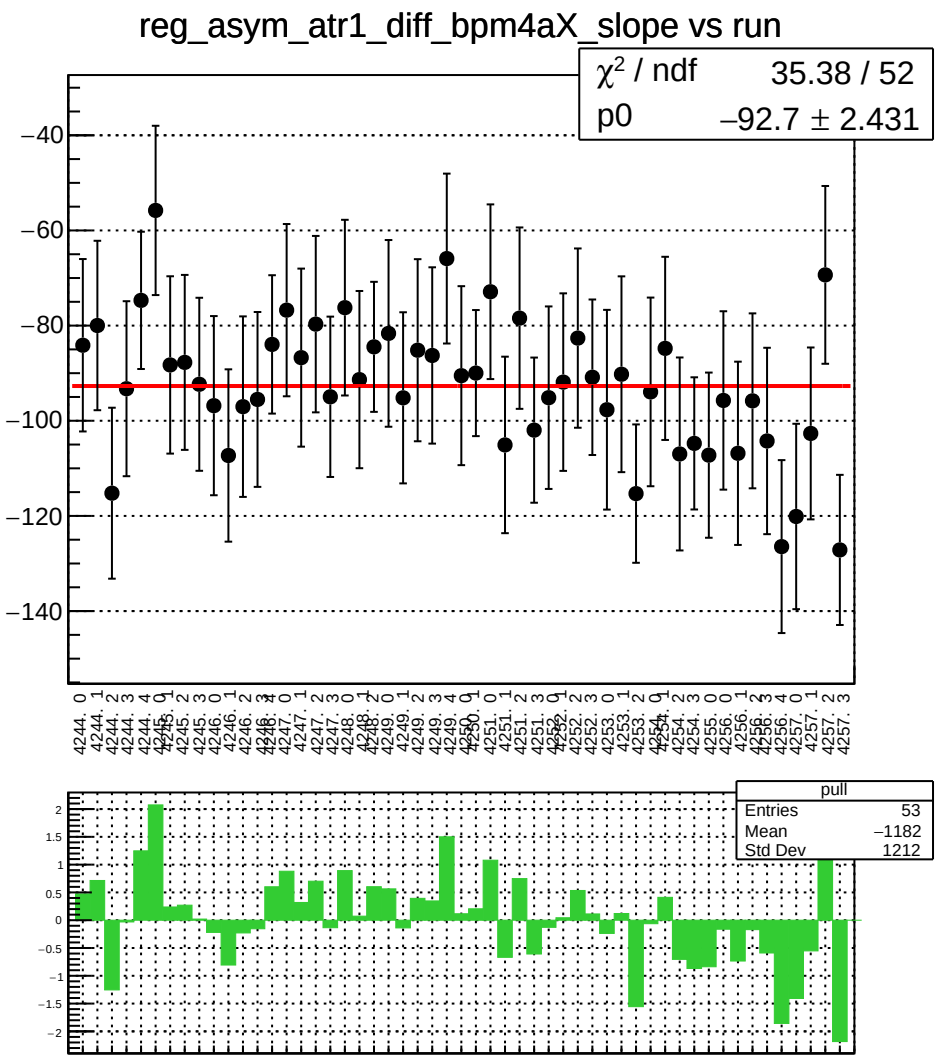

pull1D
Entries 53
Mean 0.2959
Std Dev 2.764

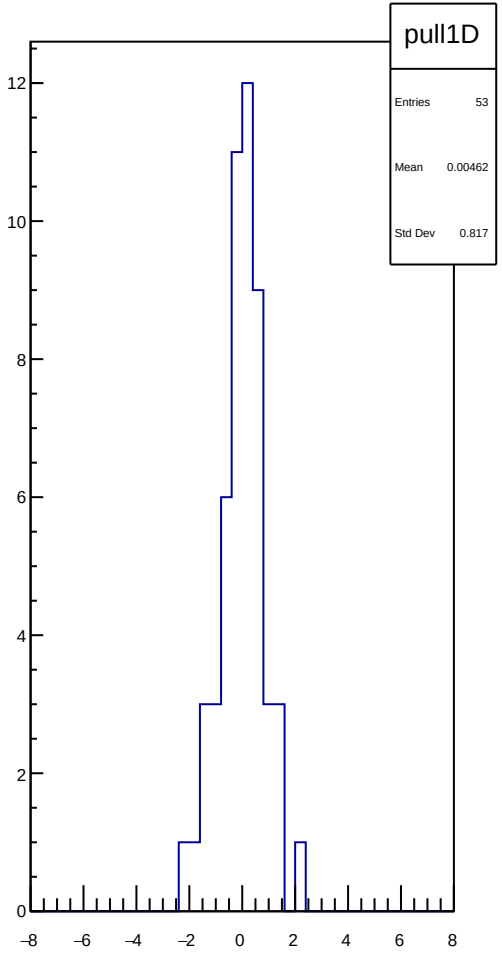

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 535.3 / 52
p0 −0.2106 ± 2.134
150
100
50
0
−50
−100
pull
Entries 53
Mean 6.132
Std Dev 27.97
12
10
8
6
4
2
0
−2
−4

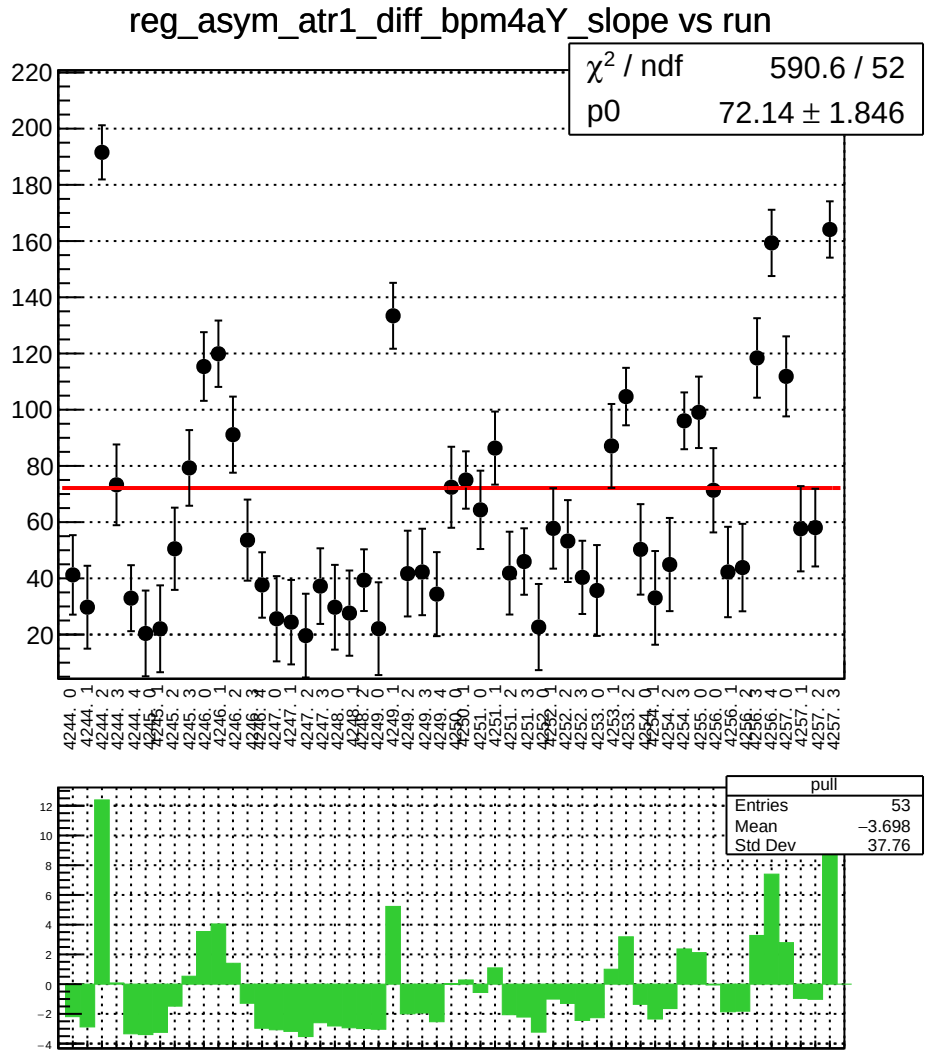

pull1D
Entries 53
Mean −0.8688
Std Dev 2.301
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

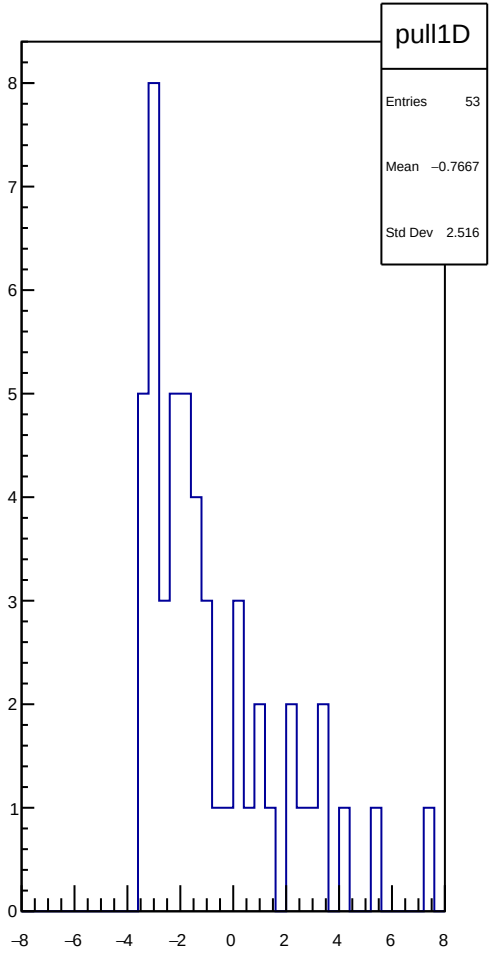

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 12.51 / 52
p0 4.287 ± 0.3873
pull
Entries 53
Mean −1032
Std Dev 1062

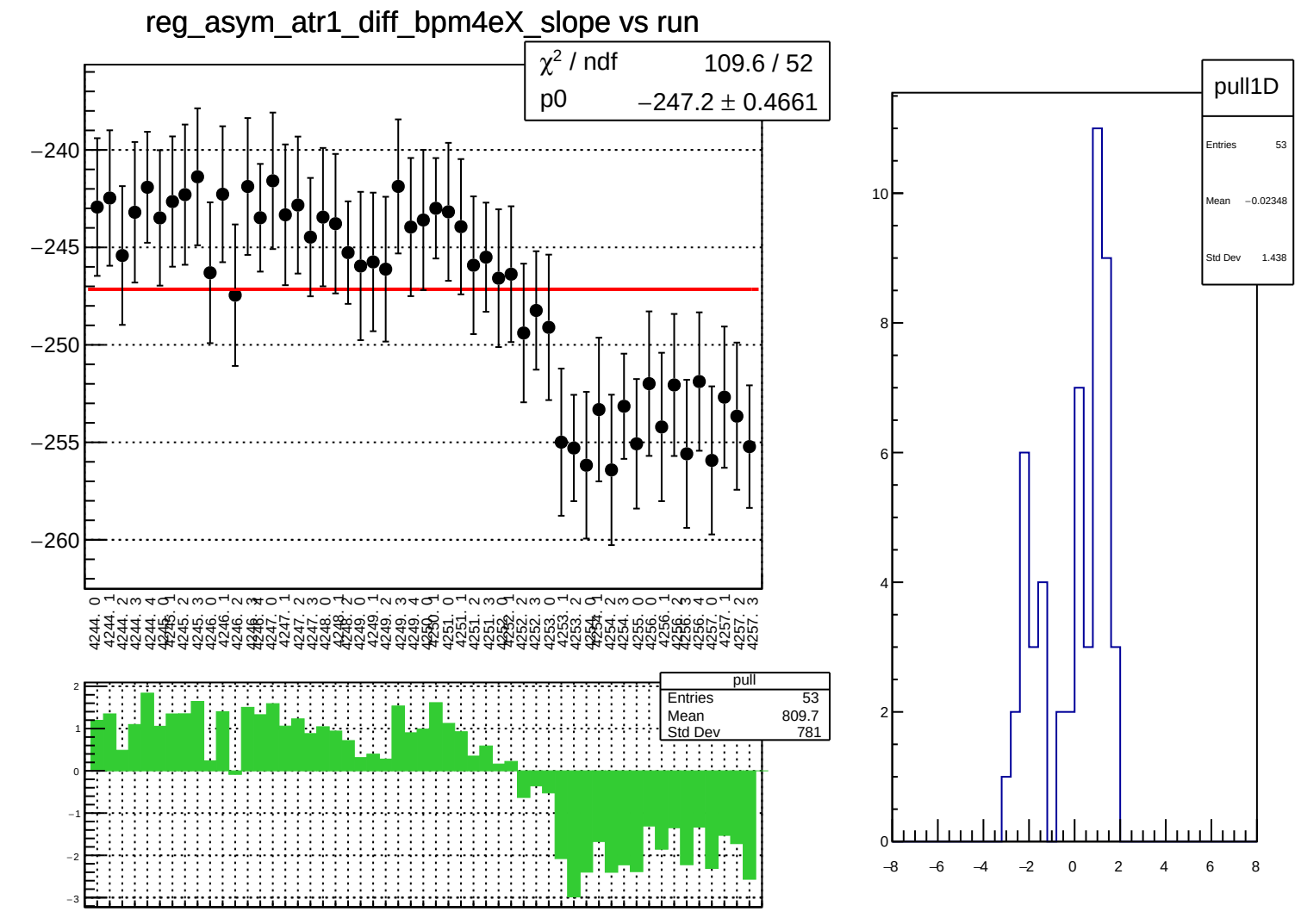

pull1D
Entries 53
Mean −0.004694
Std Dev 0.4859

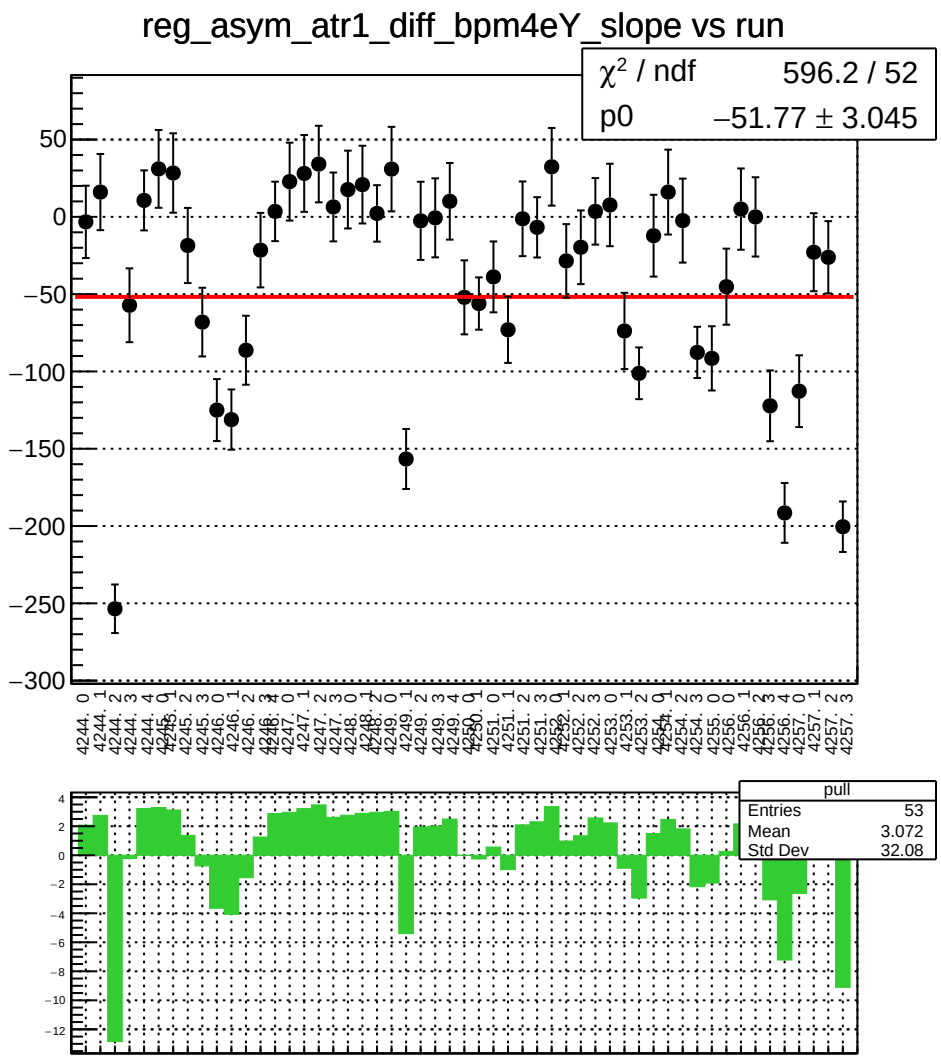

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 35.38 / 52
p0 −92.7 ± 2.431
pull
Entries 53
Mean −1182
Std Dev 1212

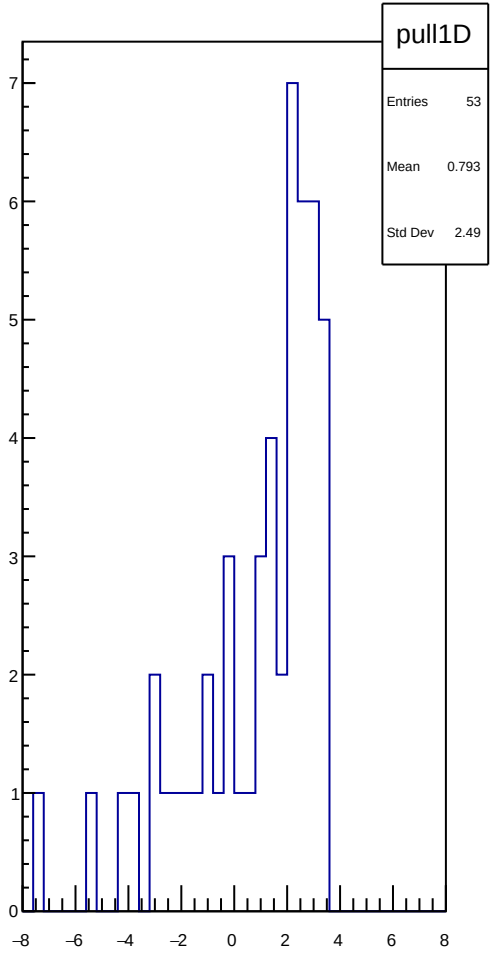

pull1D
Entries 53
Mean 0.00462
Std Dev 0.817

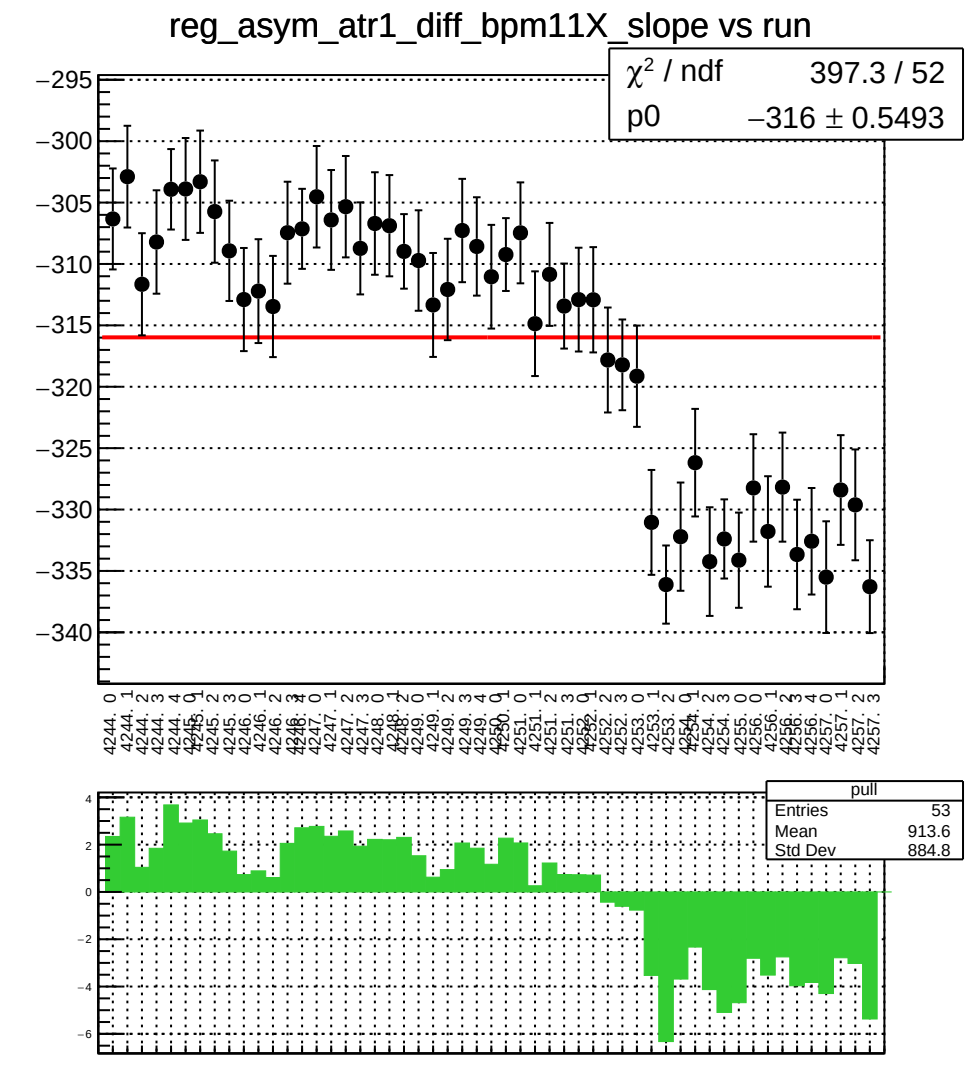

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 590.6 / 52
p0 72.14 ± 1.846
pull
Entries 53
Mean −3.698
Std Dev 37.76

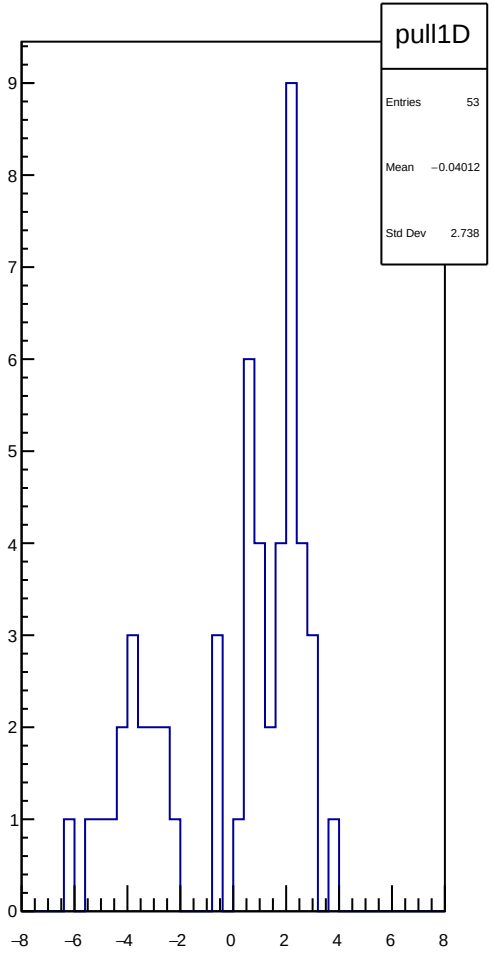

pull1D
Entries 53
Mean −0.7667
Std Dev 2.516

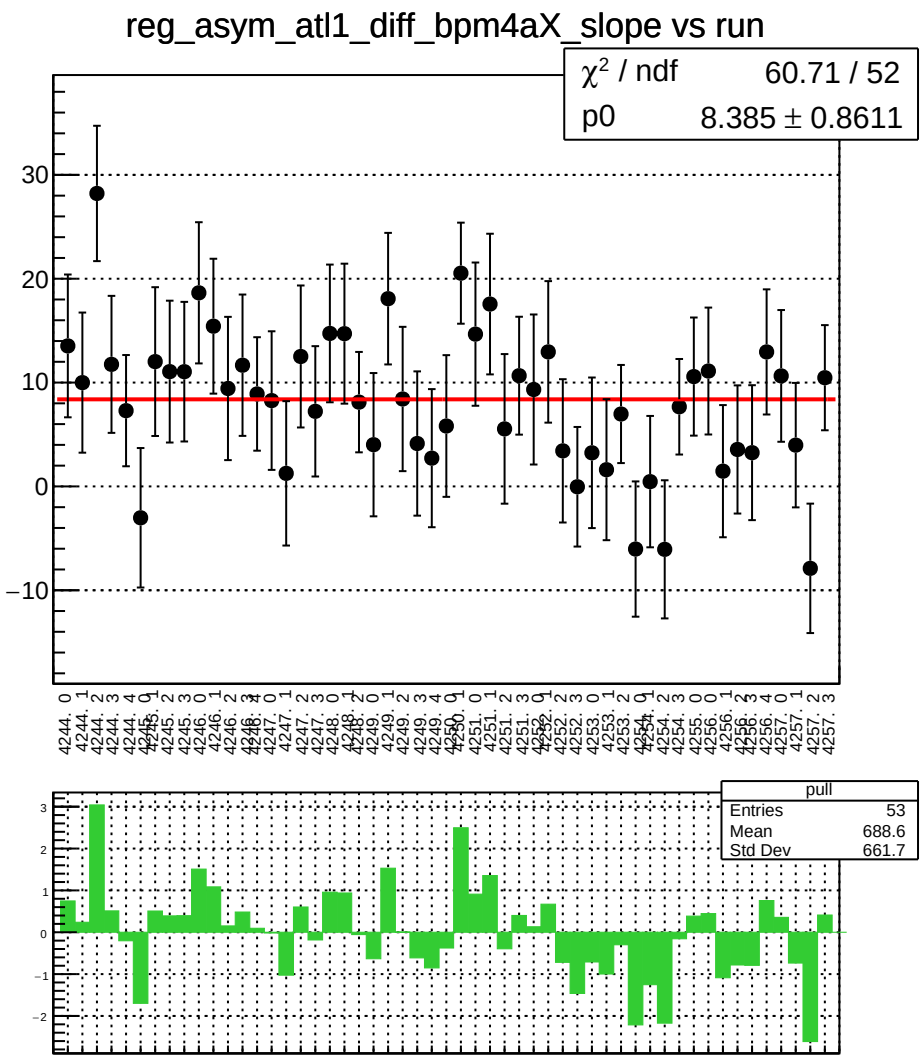

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 109.6 / 52
p0 −247.2 ± 0.4661
−240
−245
−250
−255
−260
pull
Entries 53
Mean 809.7
Std Dev 781
pull1D
Entries 53
Mean −0.02348
Std Dev 1.438

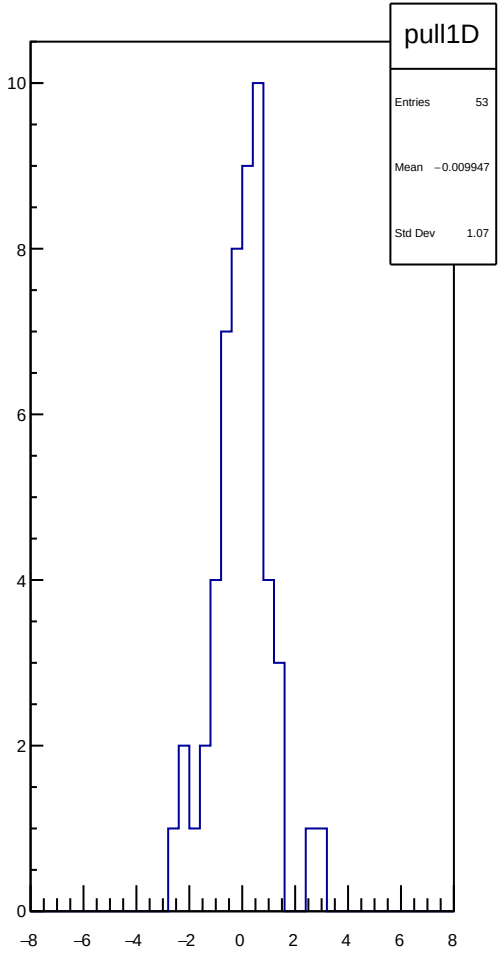

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 596.2 / 52
p0 −51.77 ± 3.045
pull
Entries 53
Mean 3.072
Std Dev 32.08

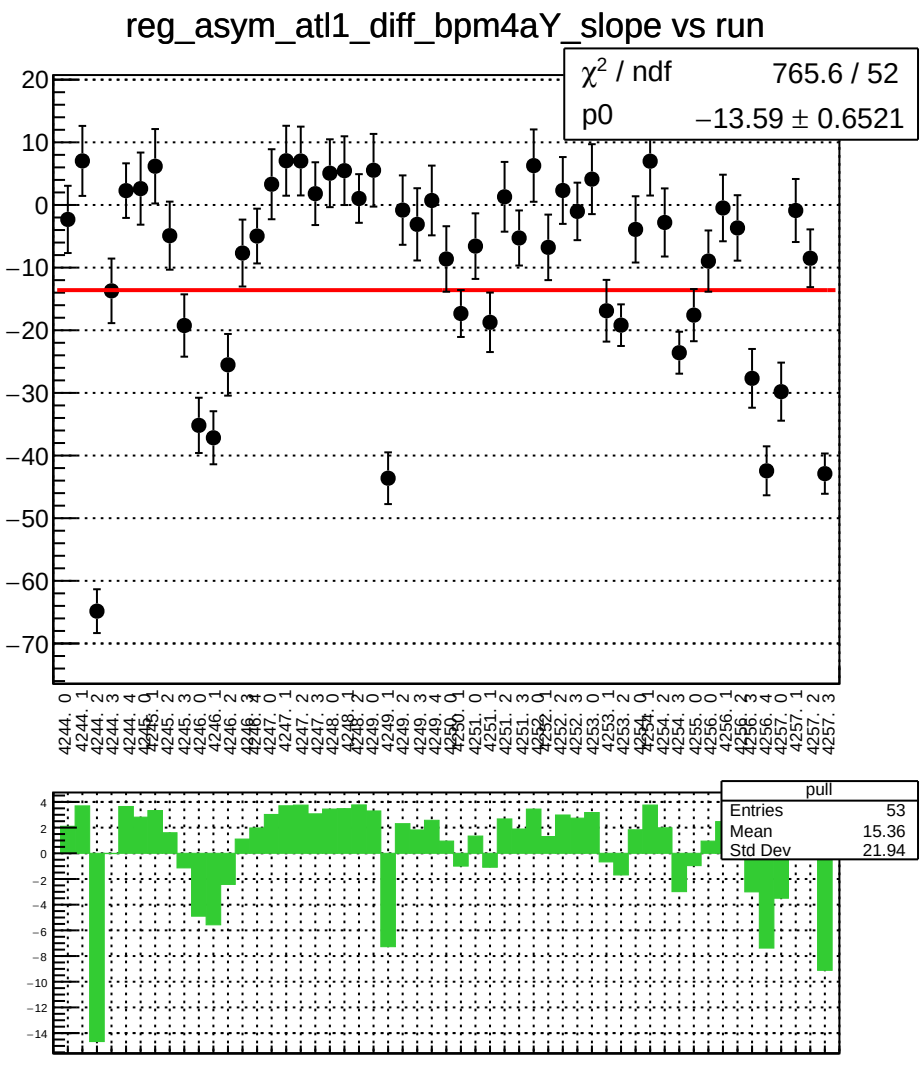

pull1D
Entries 53
Mean 0.793
Std Dev 2.49

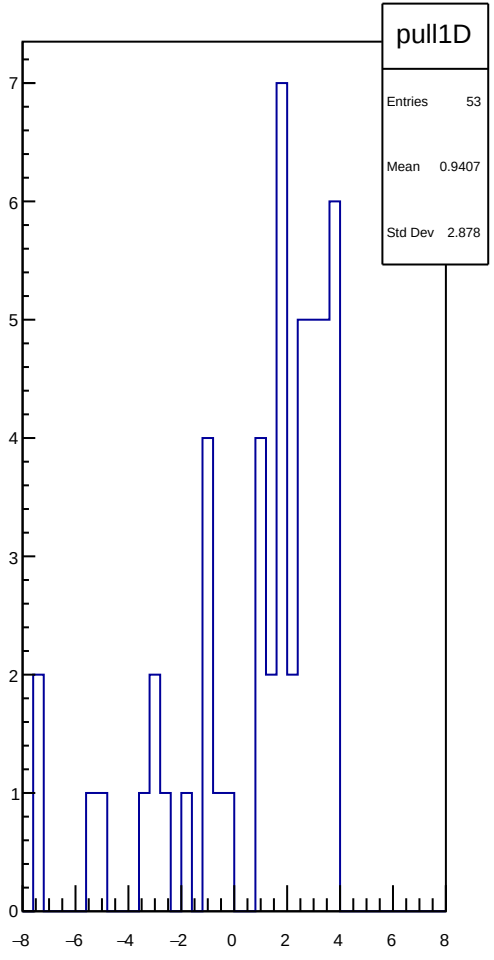

reg_asym_atr1_diff_bpm11X_slope vs run
χ² / ndf 397.3 / 52
p0 −316 ± 0.5493
pull
Entries 53
Mean 913.6
Std Dev 884.8

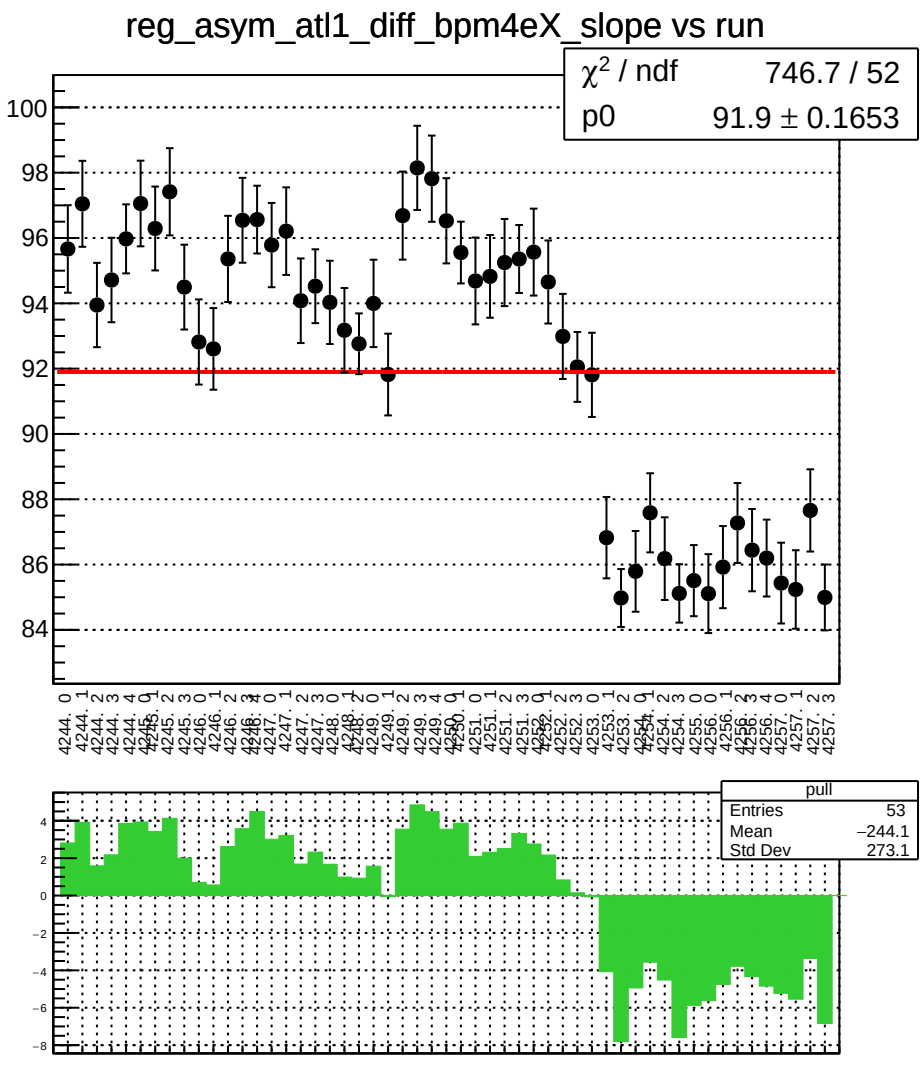

pull1D
Entries 53
Mean −0.04012
Std Dev 2.738

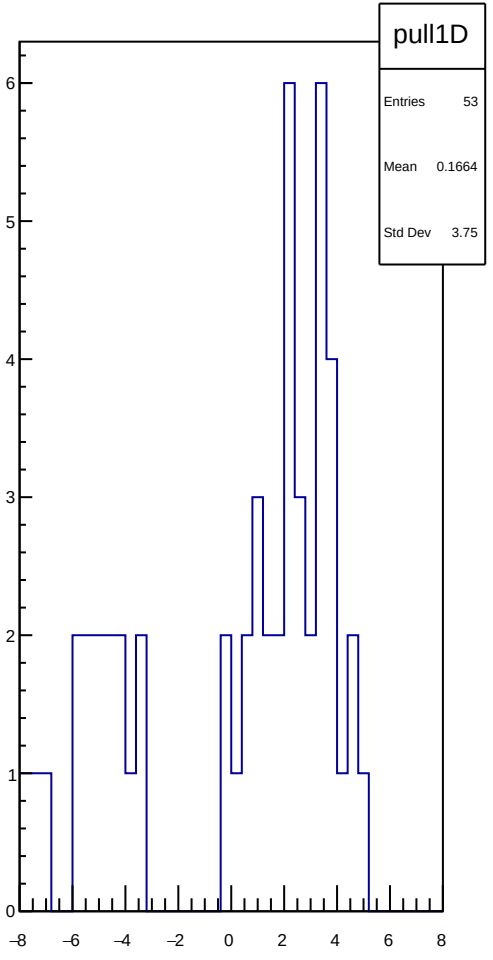

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 60.71 / 52
p0 8.385 ± 0.8611
pull
Entries 53
Mean 688.6
Std Dev 661.7

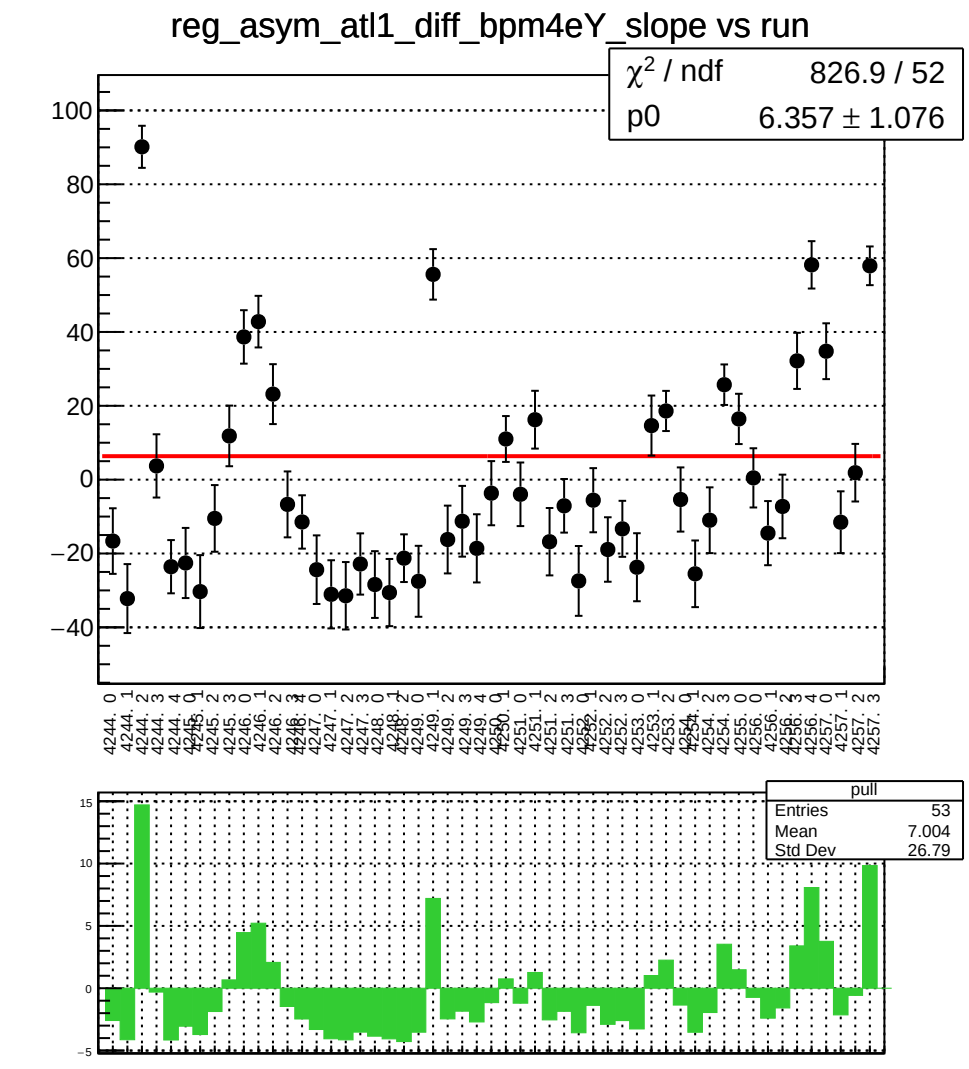

pull1D
Entries 53
Mean −0.009947
Std Dev 1.07

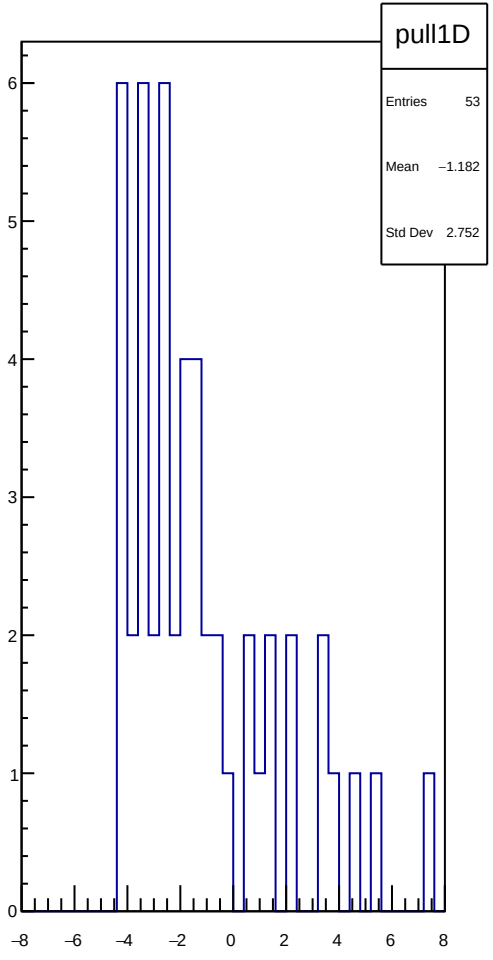

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 765.6 / 52
p0 −13.59 ± 0.6521
pull
Entries 53
Mean 15.36
Std Dev 21.94

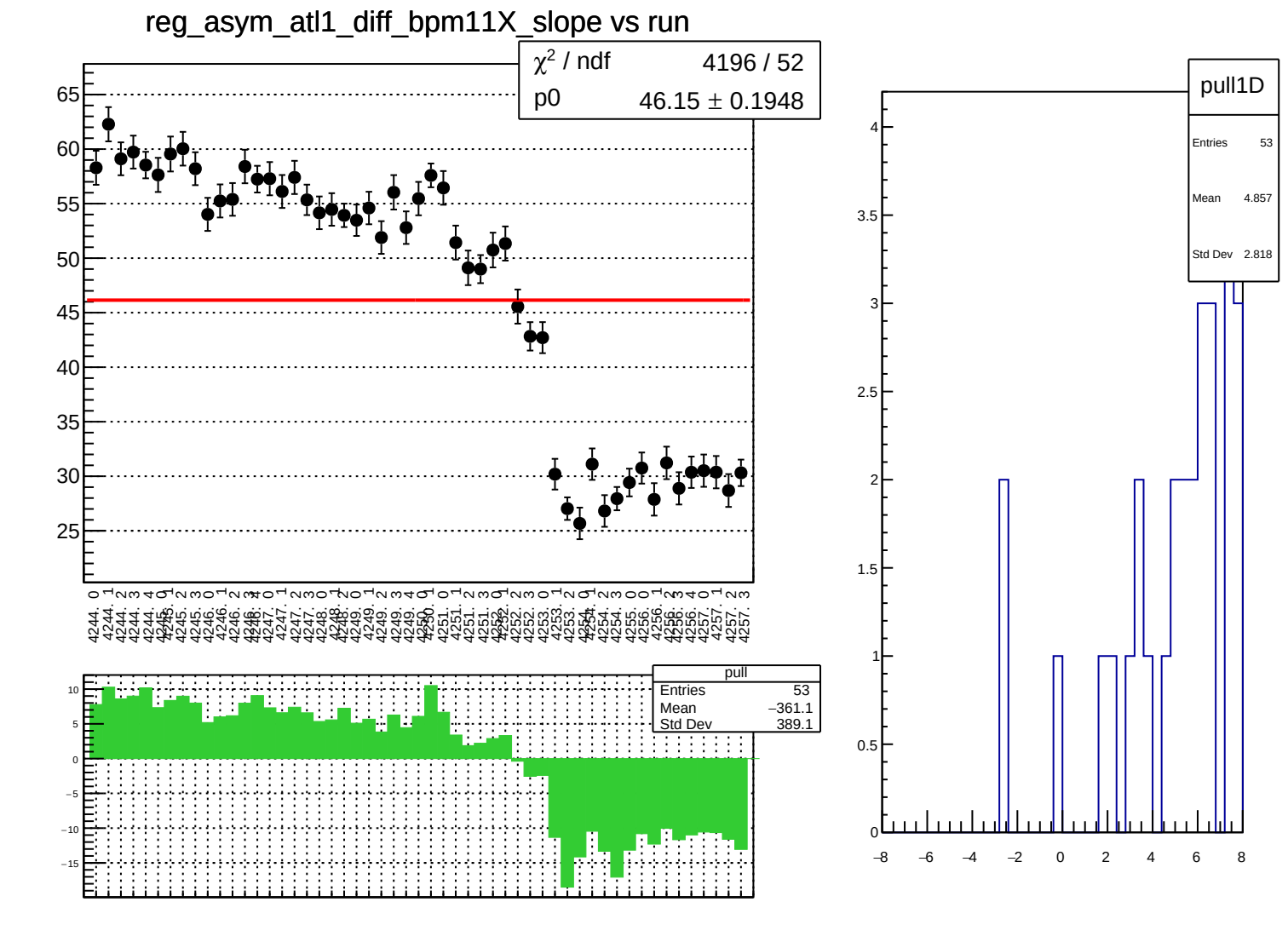

pull1D
Entries 53
Mean 0.9407
Std Dev 2.878

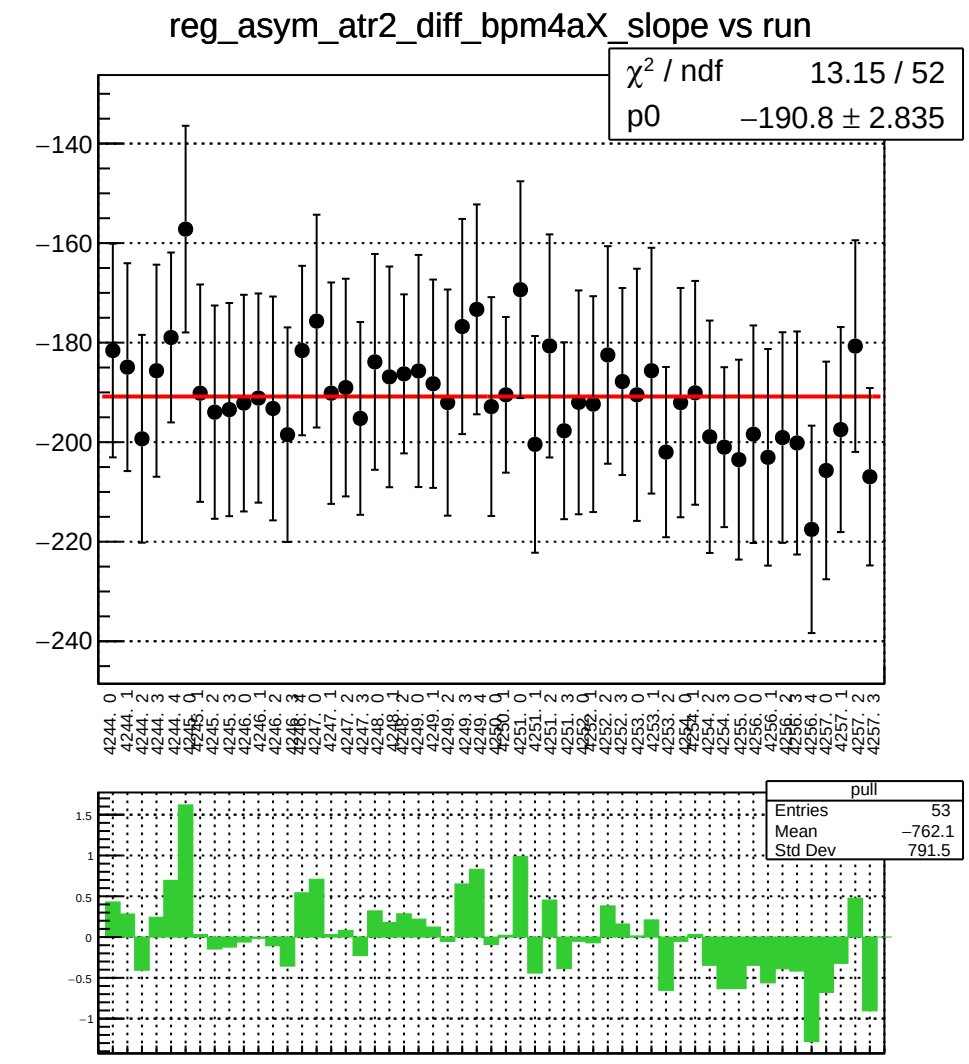

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 746.7 / 52
p0 91.9 ± 0.1653
pull
Entries 53
Mean −244.1
Std Dev 273.1

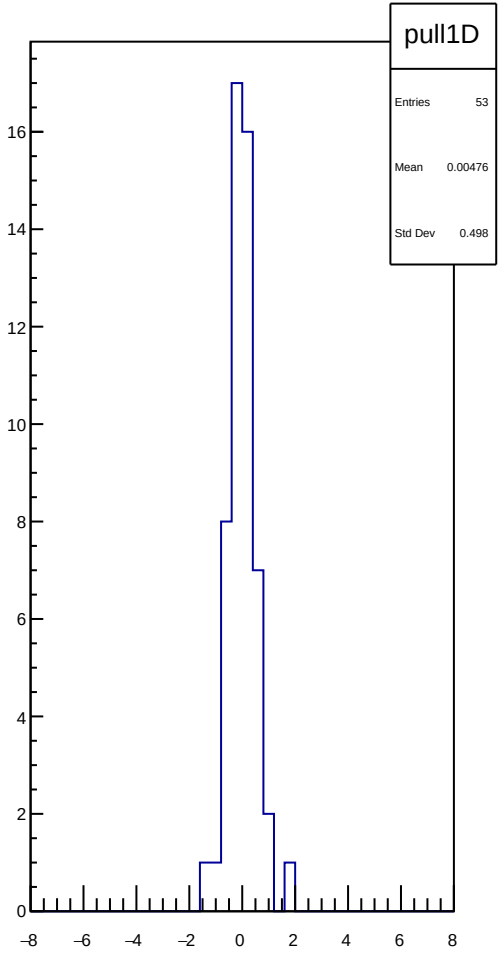

pull1D
Entries 53
Mean 0.1664
Std Dev 3.75

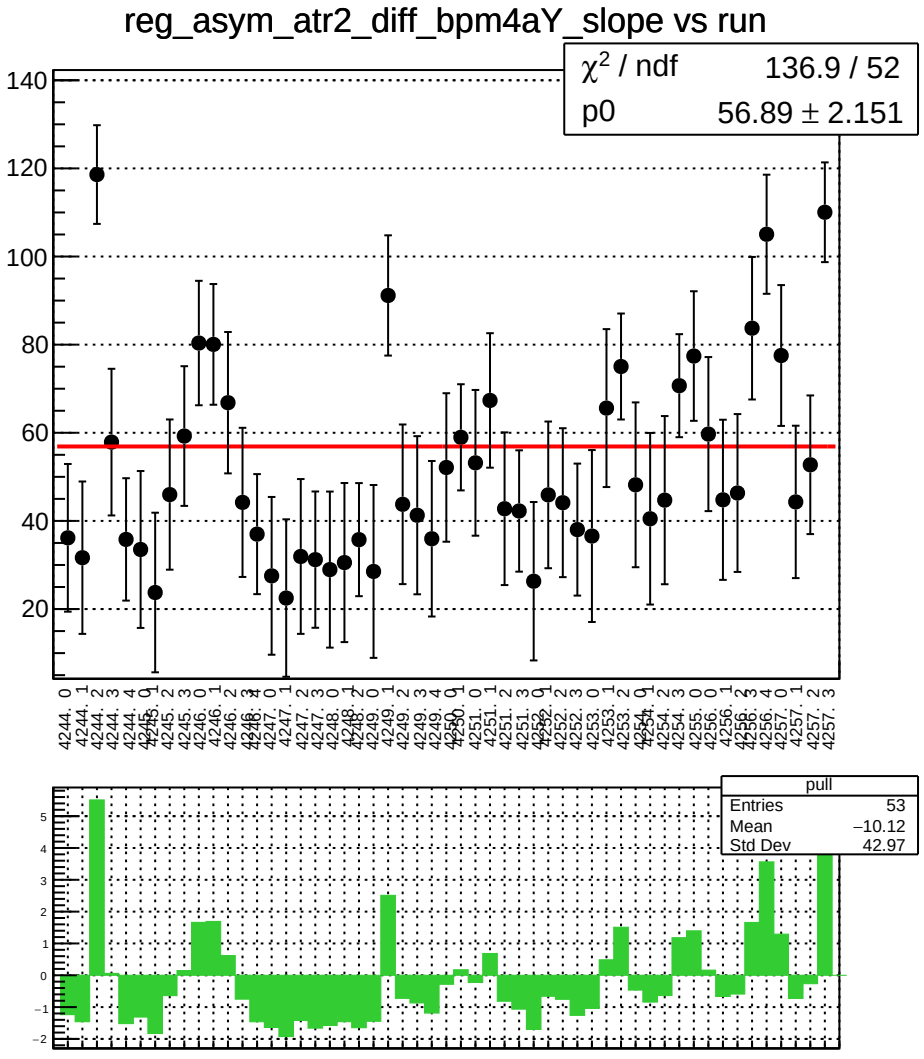

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 826.9 / 52
p0 6.357 ± 1.076
pull
Entries 53
Mean 7.004
Std Dev 26.79

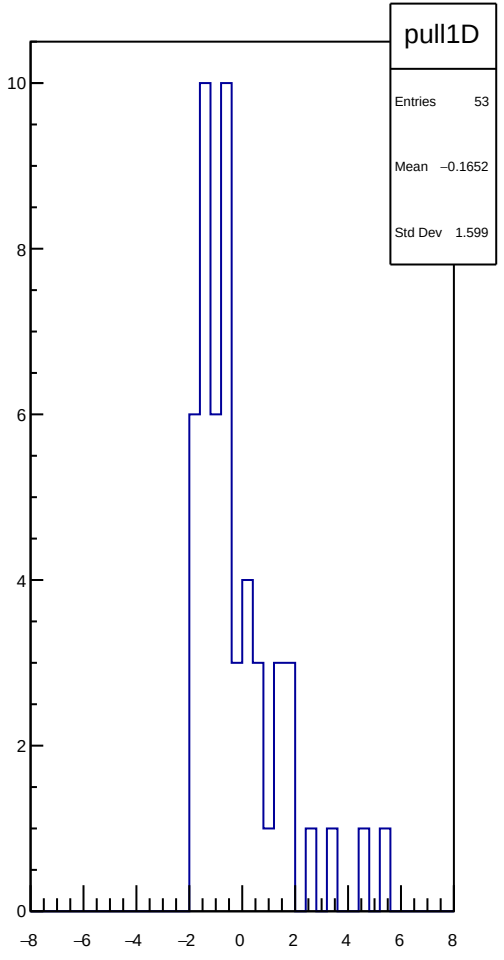

pull1D
Entries 53
Mean −1.182
Std Dev 2.752

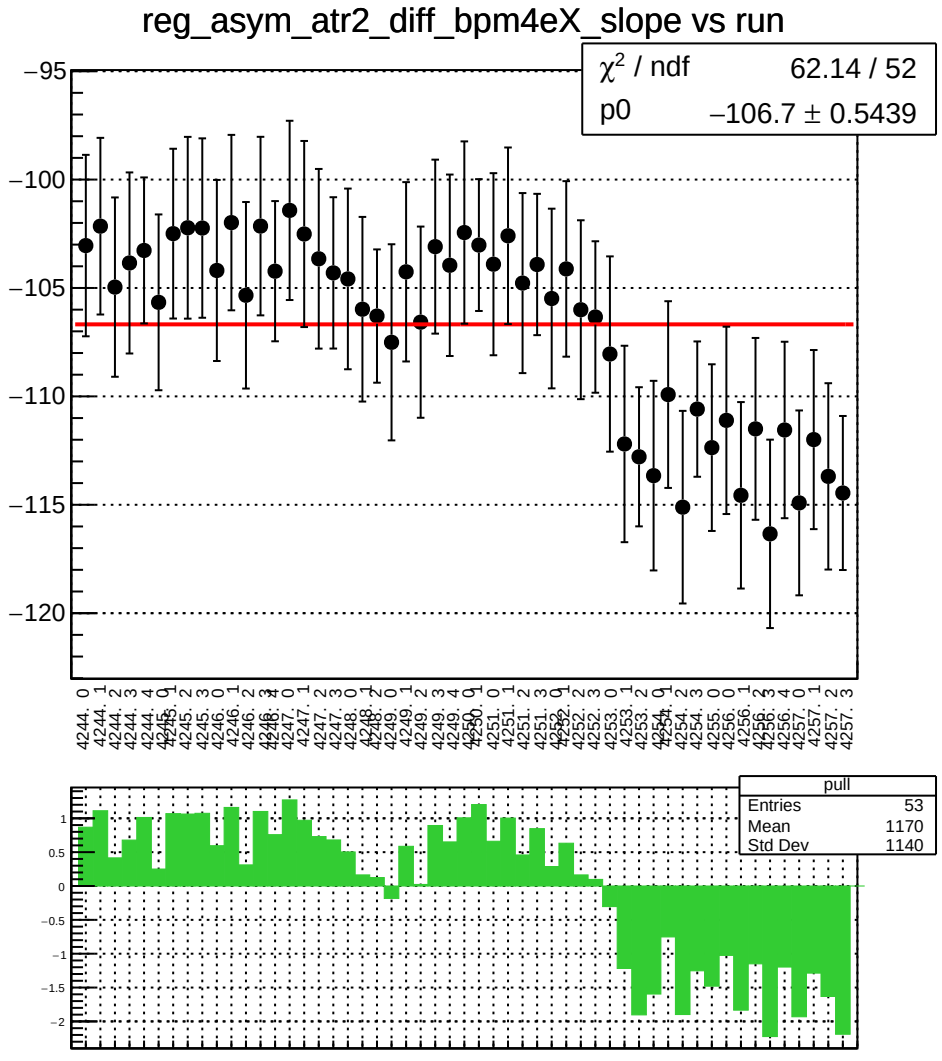

reg_asym_atl1_diff_bpm11X_slope vs run
χ² / ndf 4196 / 52
p0 46.15 ± 0.1948
pull
Entries 53
Mean −361.1
Std Dev 389.1
pull1D
Entries 53
Mean 4.857
Std Dev 2.818

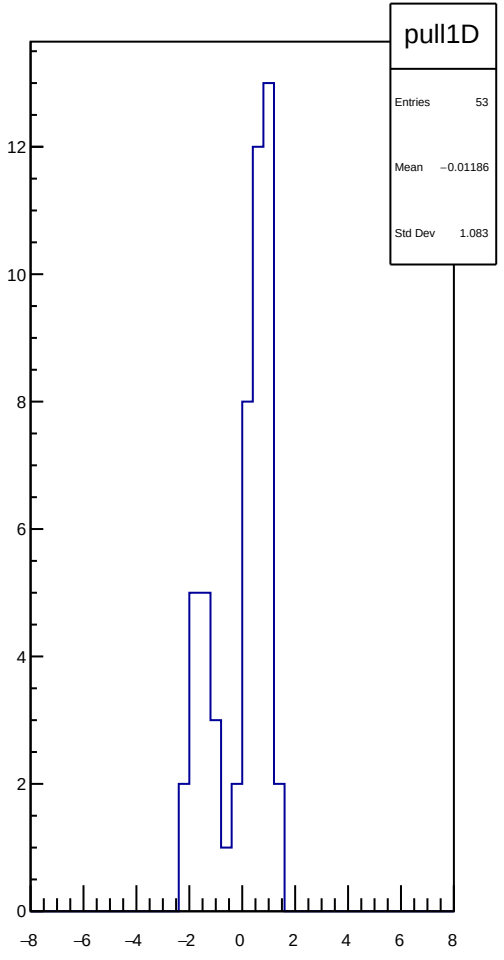

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 13.15 / 52
p0 −190.8 ± 2.835
pull
Entries 53
Mean −762.1
Std Dev 791.5

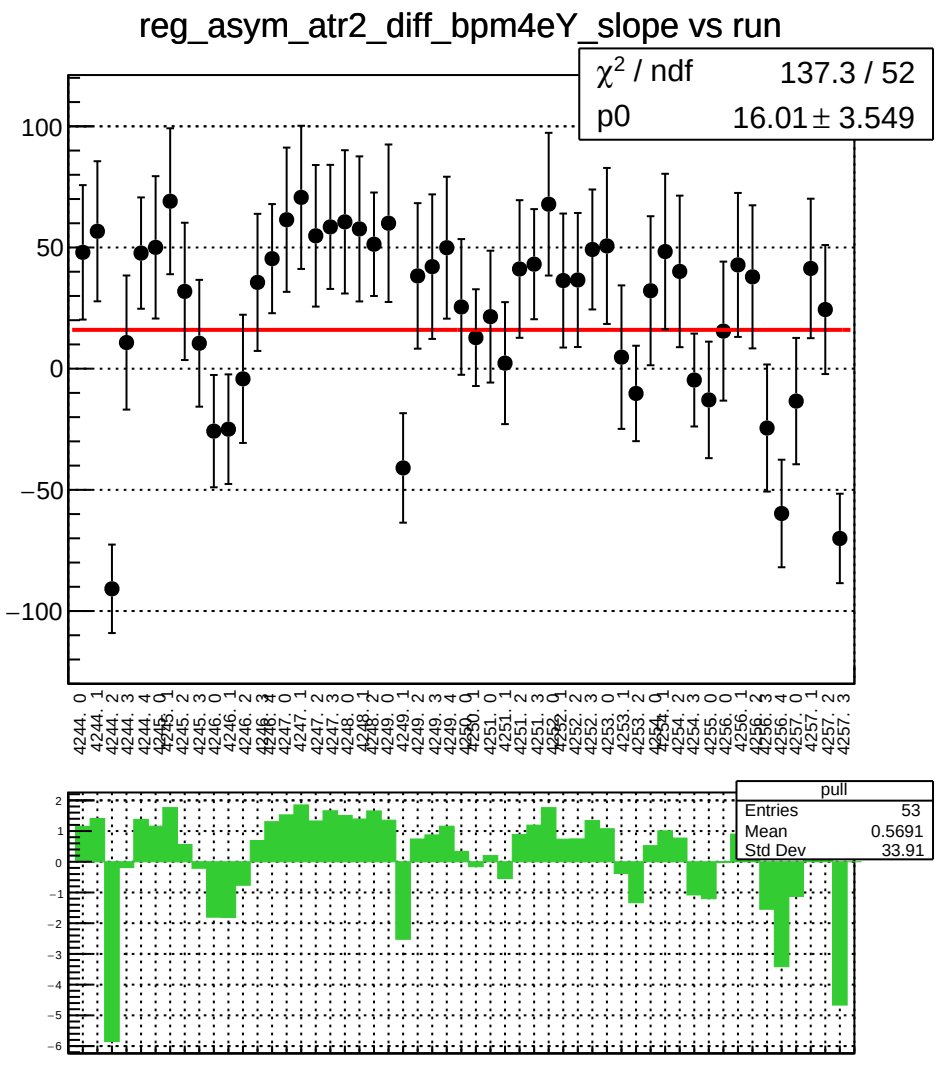

pull1D
Entries 53
Mean 0.00476
Std Dev 0.498

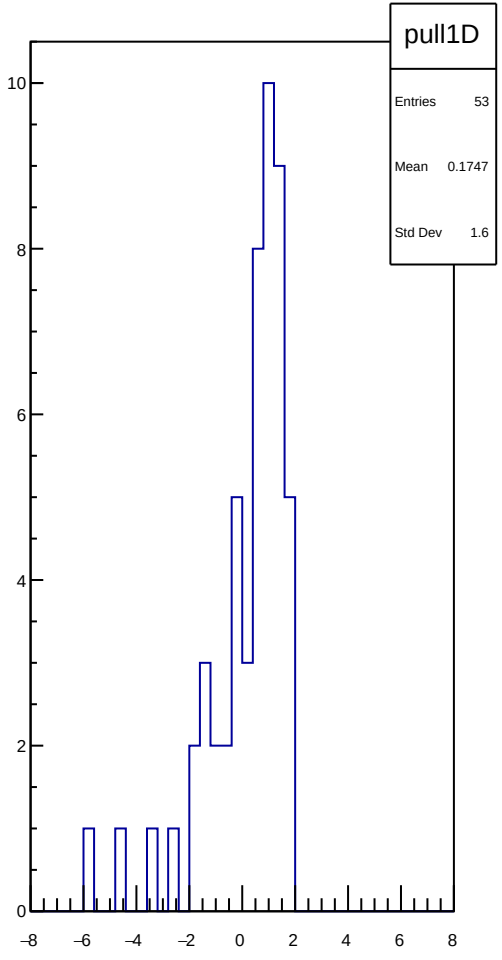

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 136.9 / 52
p0 56.89 ± 2.151
pull
Entries 53
Mean −10.12
Std Dev 42.97

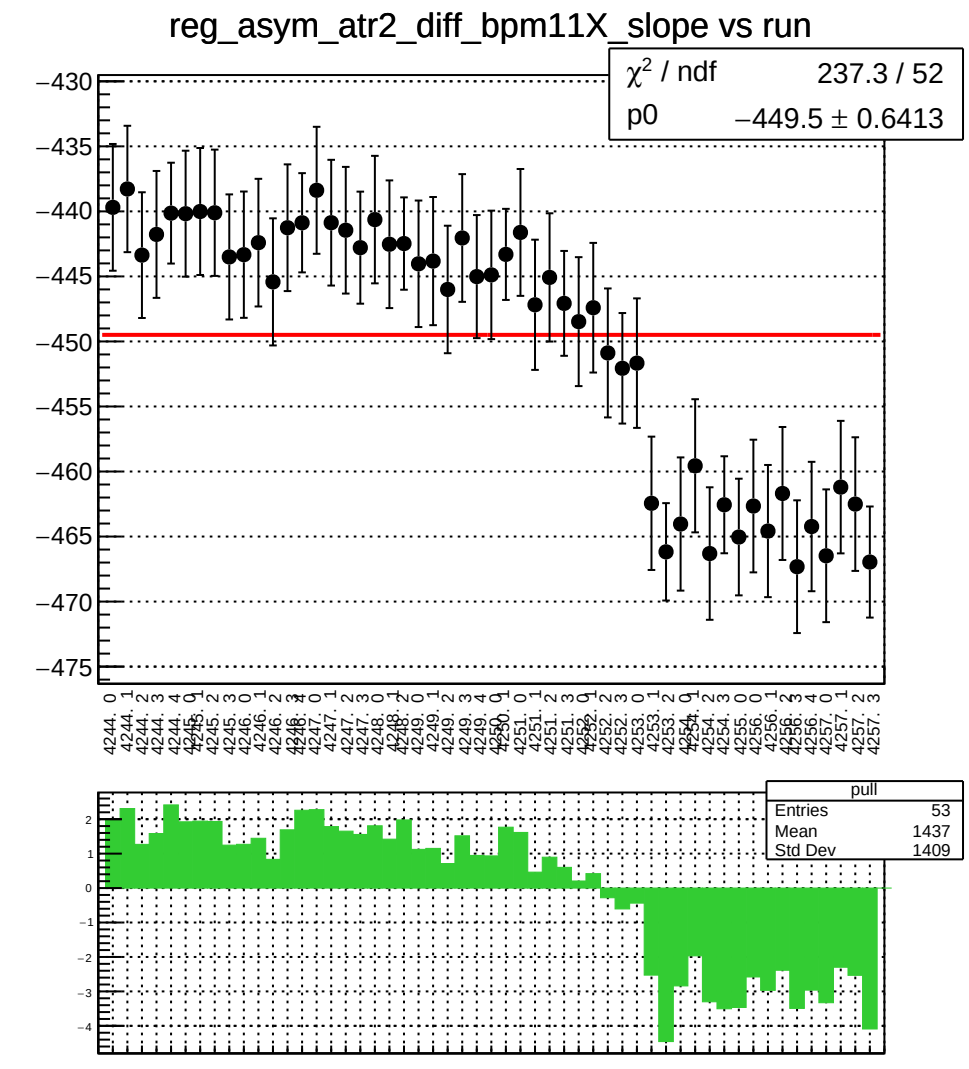

pull1D
Entries 53
Mean −0.1652
Std Dev 1.599

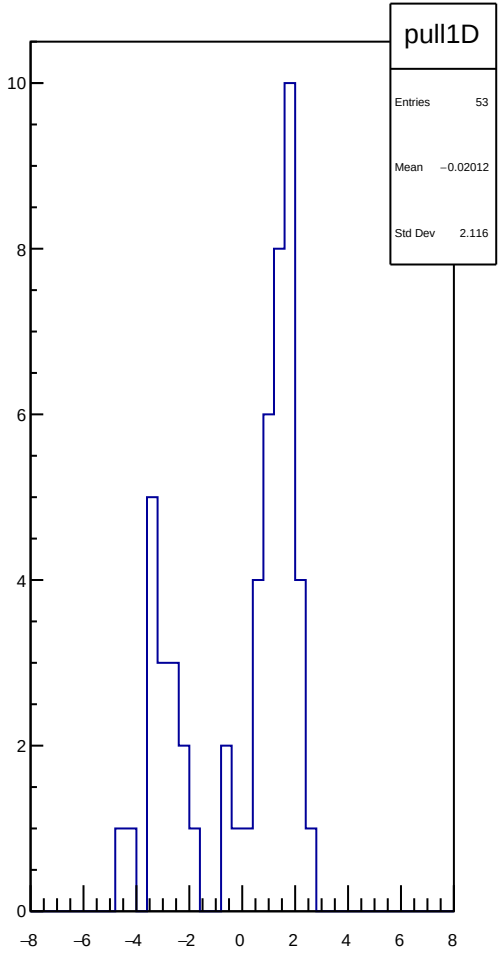

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 62.14 / 52
p0 −106.7 ± 0.5439
pull
Entries 53
Mean 1170
Std Dev 1140

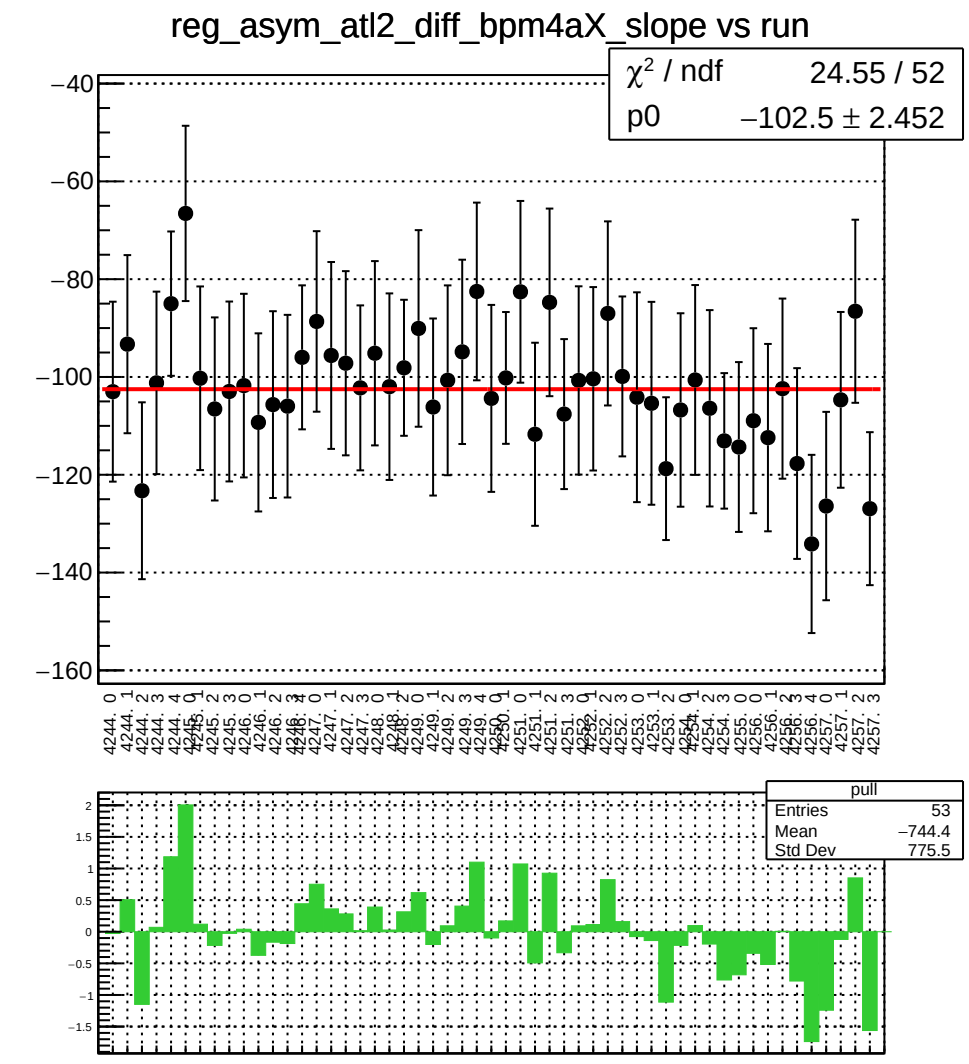

pull1D
Entries 53
Mean −0.01186
Std Dev 1.083

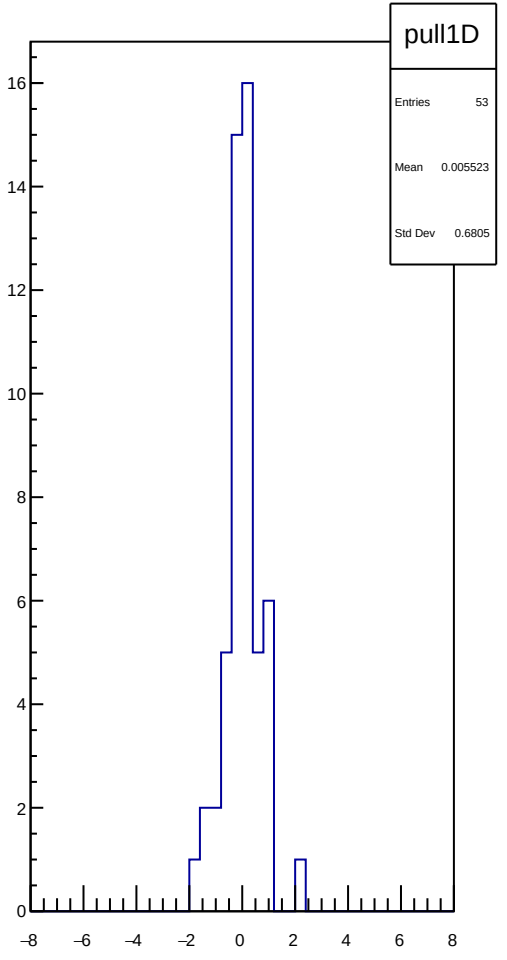

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 137.3 / 52
p0 16.01 ± 3.549
pull
Entries 53
Mean 0.5691
Std Dev 33.91

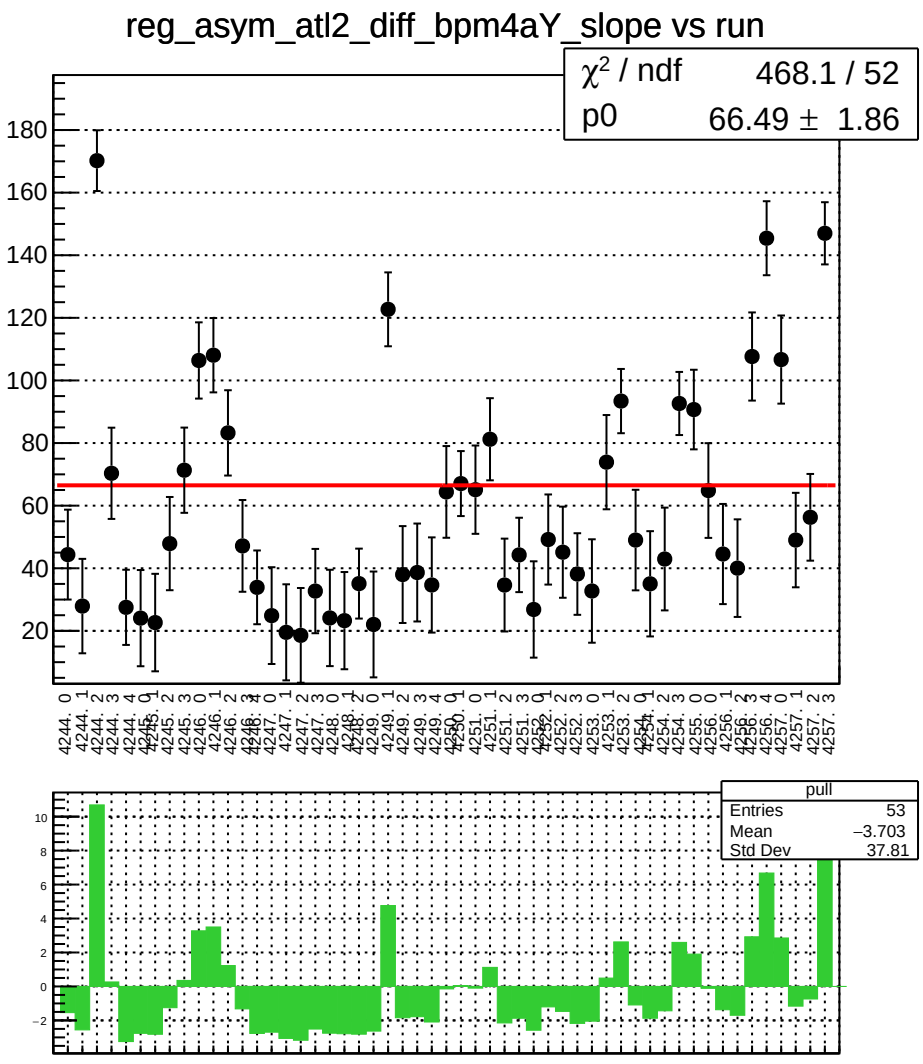

pull1D
Entries 53
Mean 0.1747
Std Dev 1.6

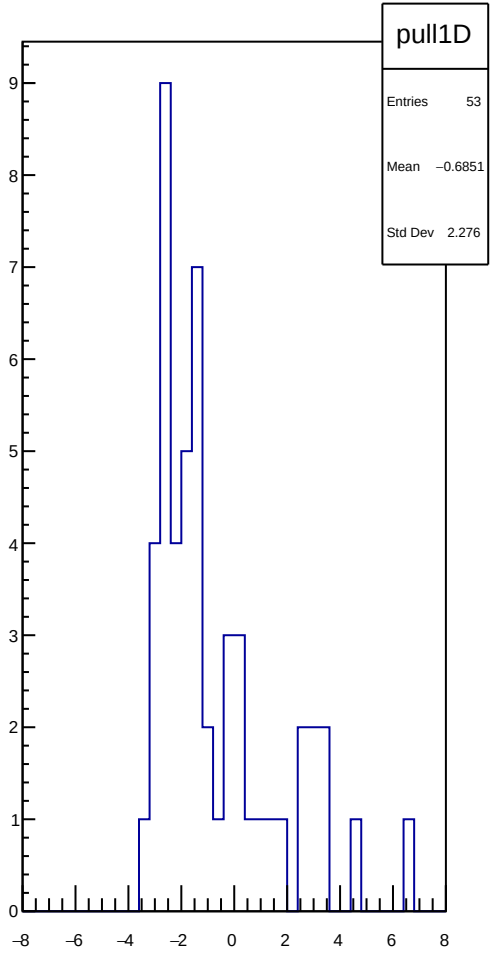

reg_asym_atr2_diff_bpm11X_slope vs run
χ² / ndf 237.3 / 52
p0 −449.5 ± 0.6413
pull
Entries 53
Mean 1437
Std Dev 1409

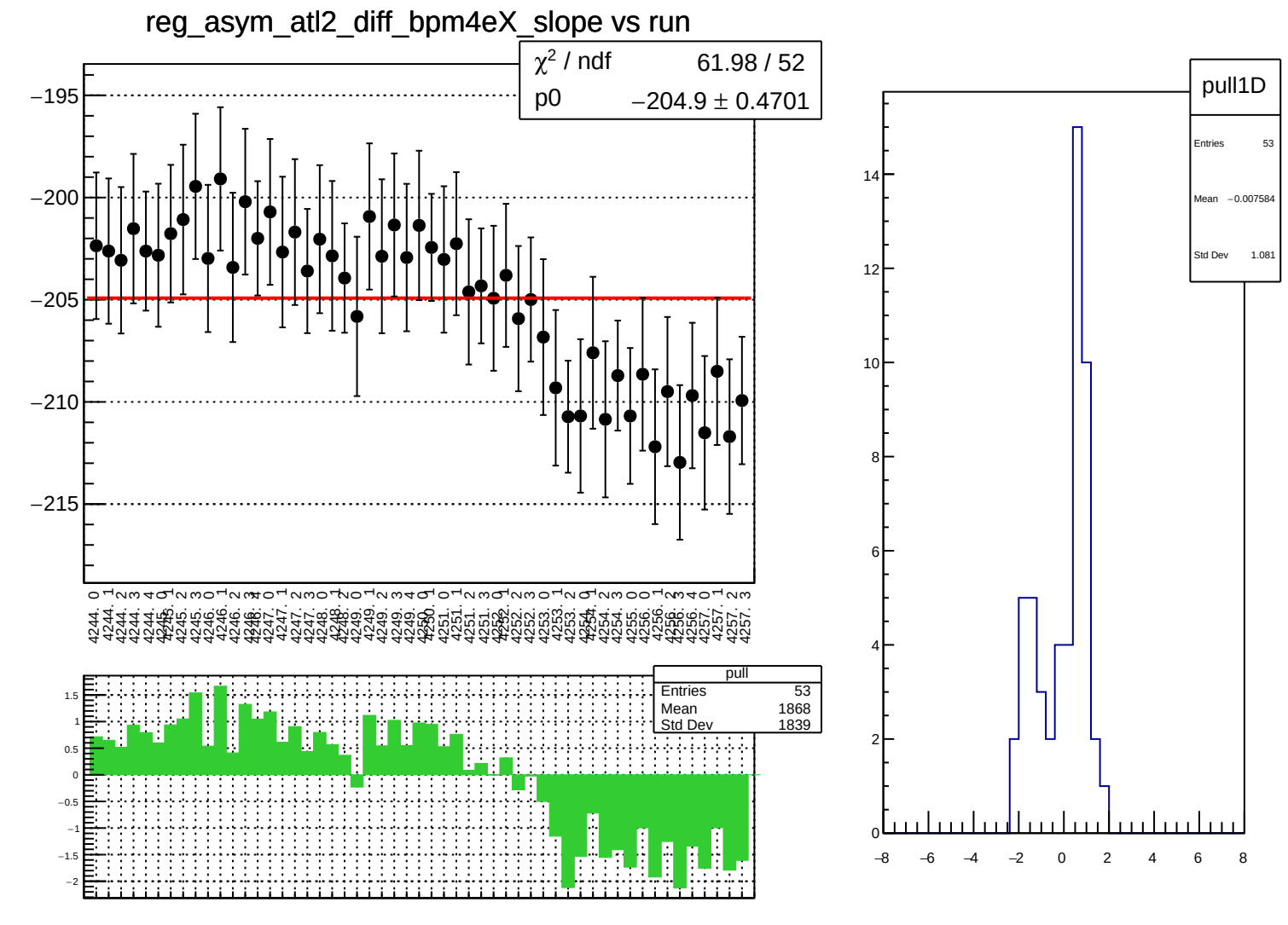

pull1D
Entries 53
Mean −0.02012
Std Dev 2.116

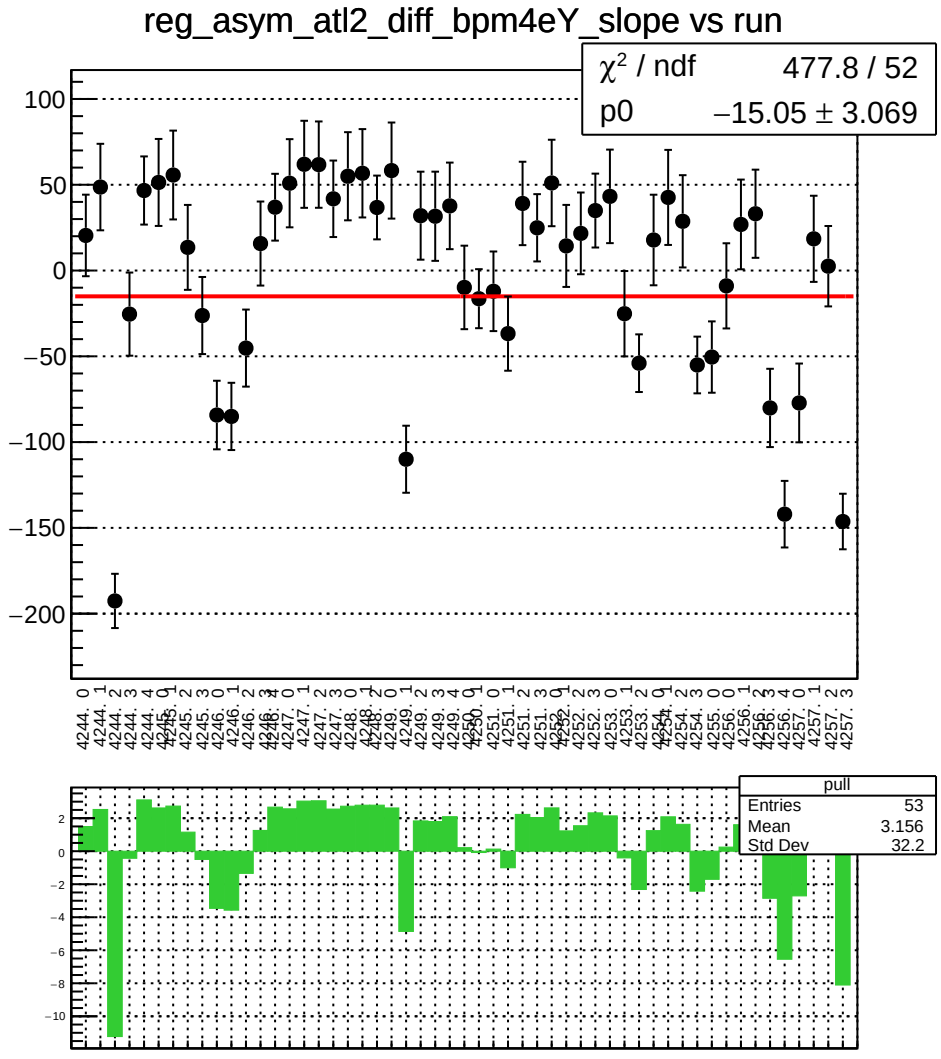

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 24.55 / 52
p0 −102.5 ± 2.452
pull
Entries 53
Mean −744.4
Std Dev 775.5

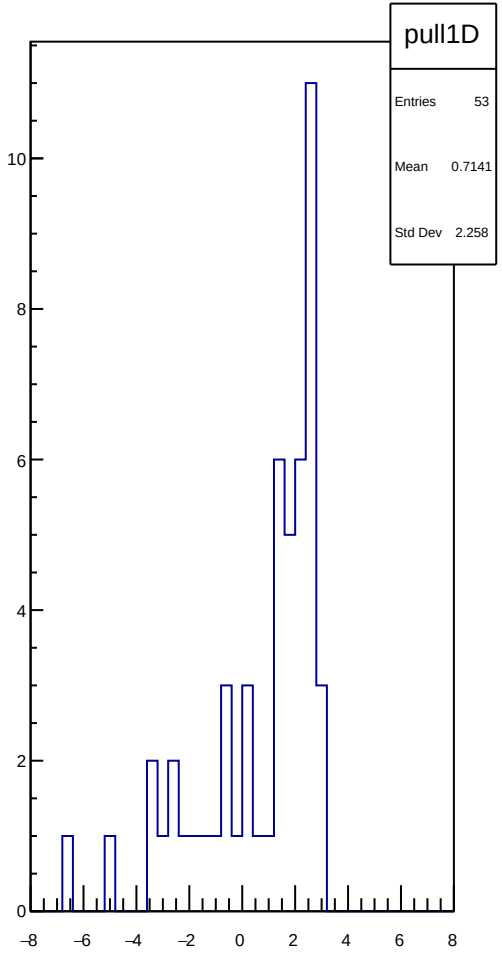

pull1D
Entries 53
Mean 0.005523
Std Dev 0.6805

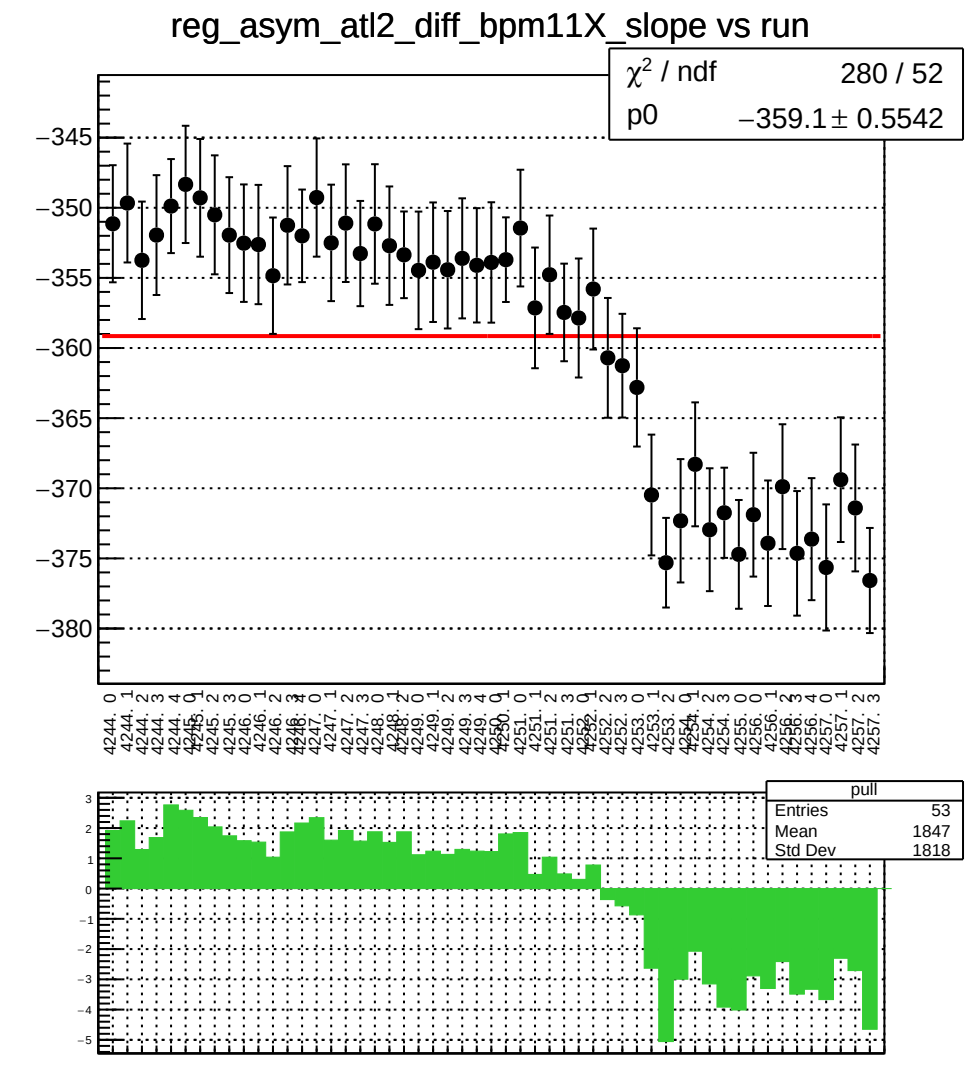

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 468.1 / 52
p0 66.49 ± 1.86
pull
Entries 53
Mean −3.703
Std Dev 37.81

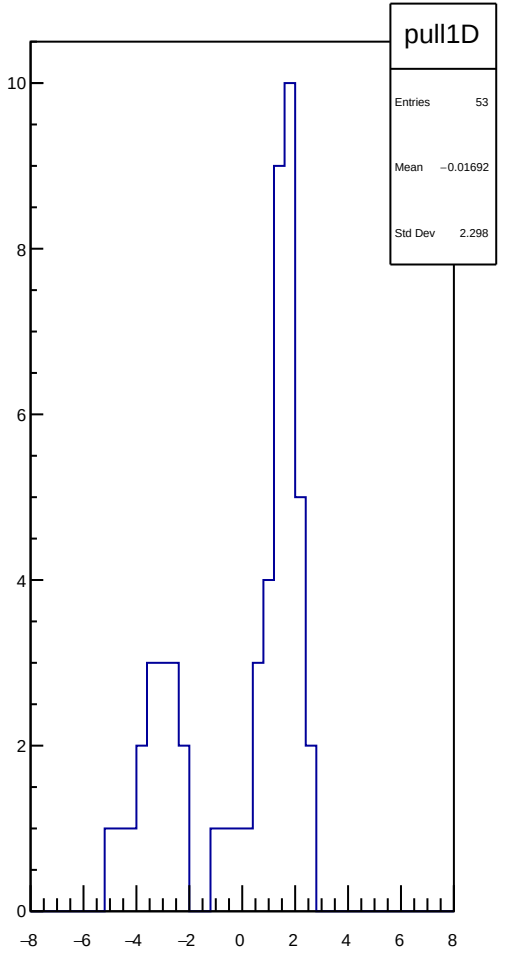

pull1D
Entries 53
Mean −0.6851
Std Dev 2.276

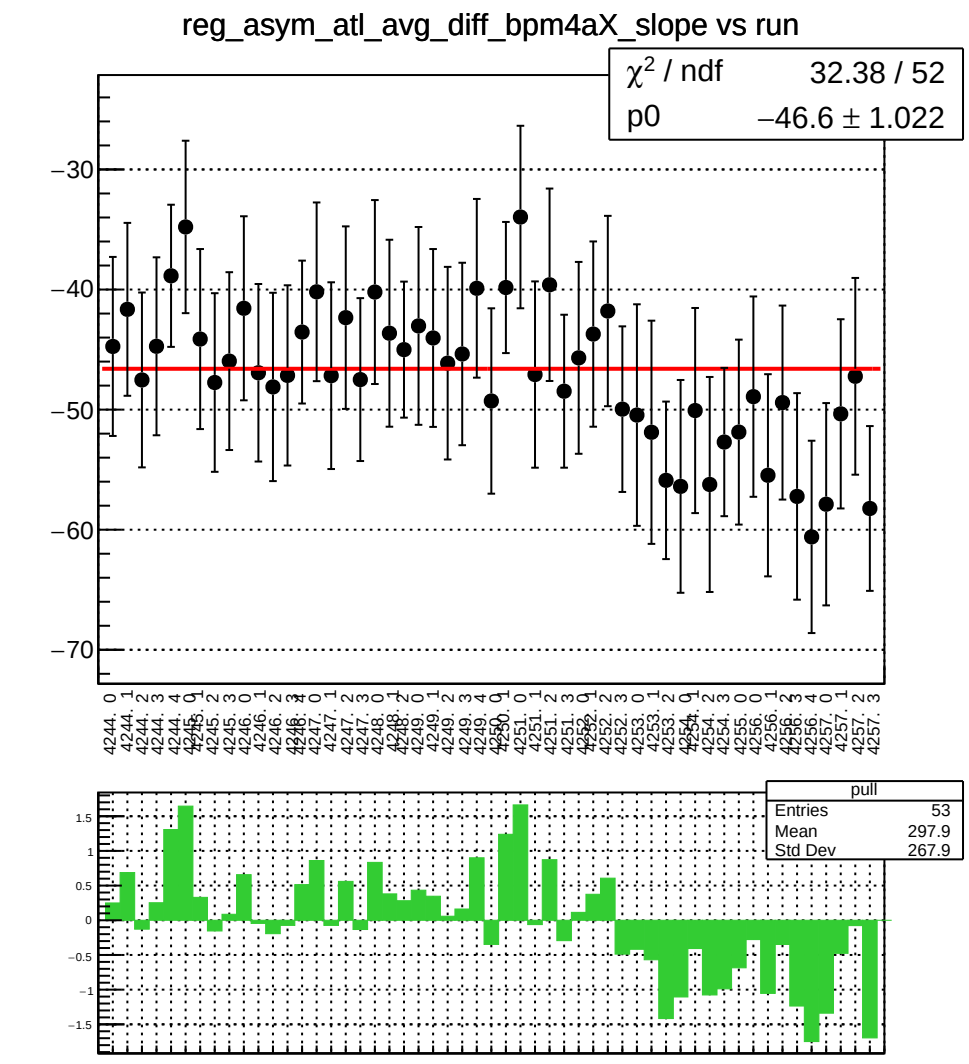

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 61.98 / 52
p0 −204.9 ± 0.4701
−195
−200
−205
−210
−215
pull
Entries 53
Mean 1868
Std Dev 1839
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 53
Mean −0.007584
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

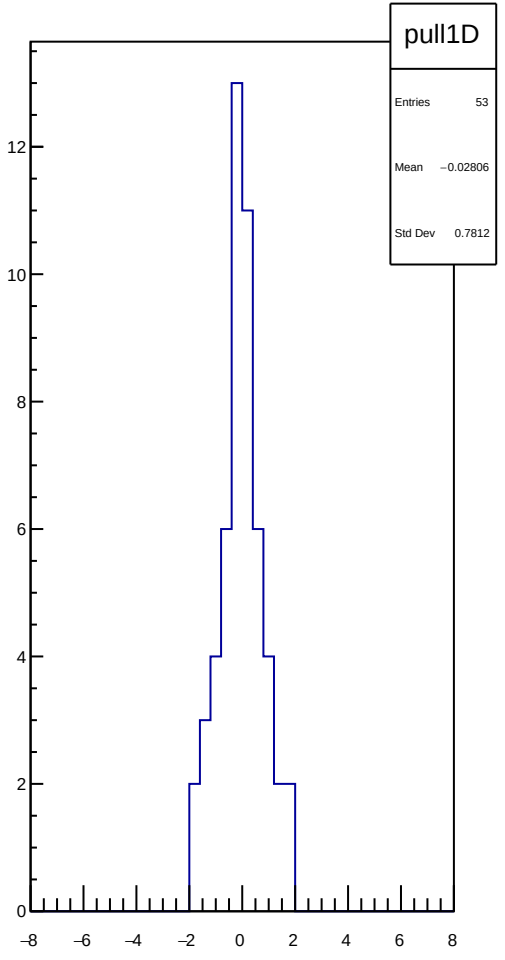

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 477.8 / 52
p0 −15.05 ± 3.069
pull
Entries 53
Mean 3.156
Std Dev 32.2

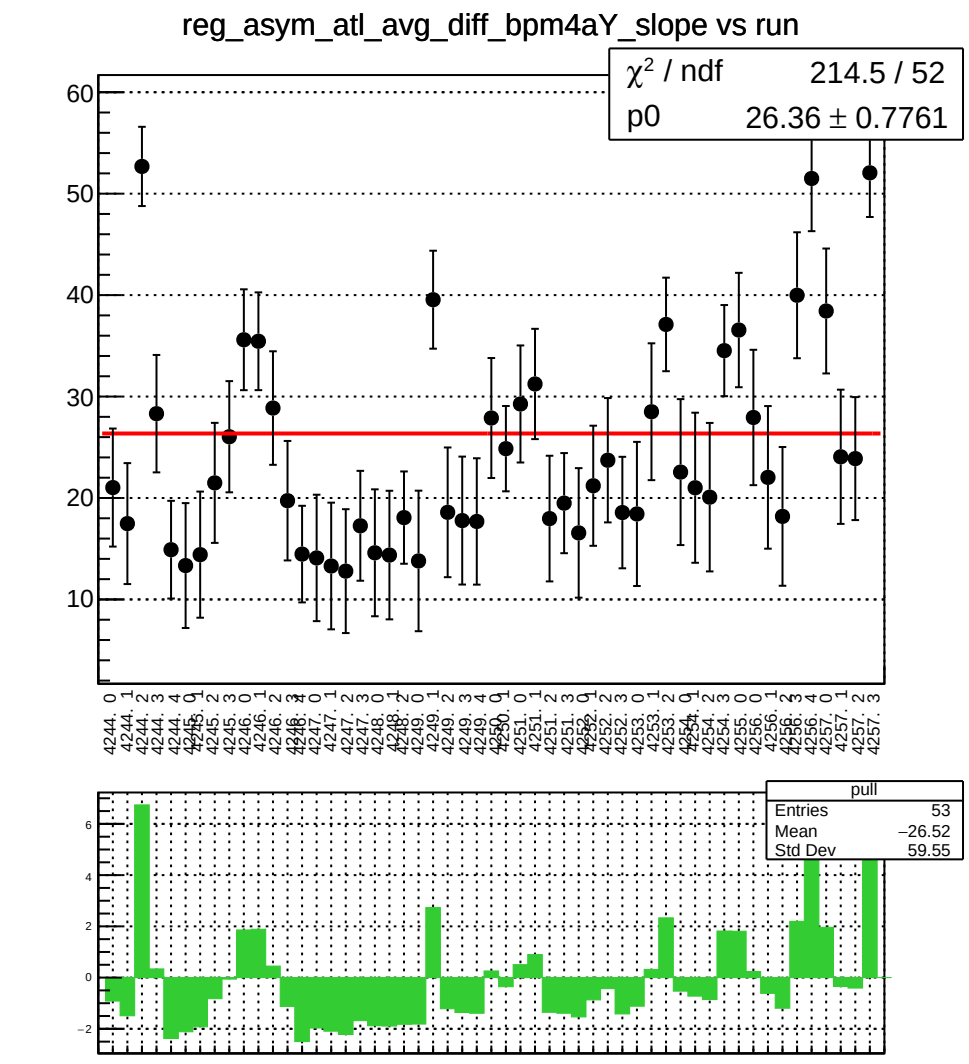

pull1D
Entries 53
Mean 0.7141
Std Dev 2.258

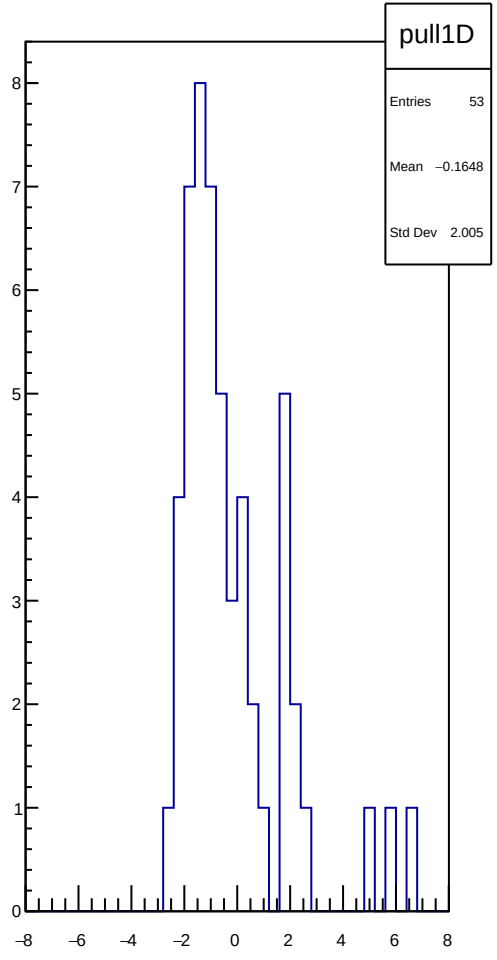

reg_asym_atl2_diff_bpm11X_slope vs run
χ² / ndf 280 / 52
p0 −359.1 ± 0.5542
pull
Entries 53
Mean 1847
Std Dev 1818

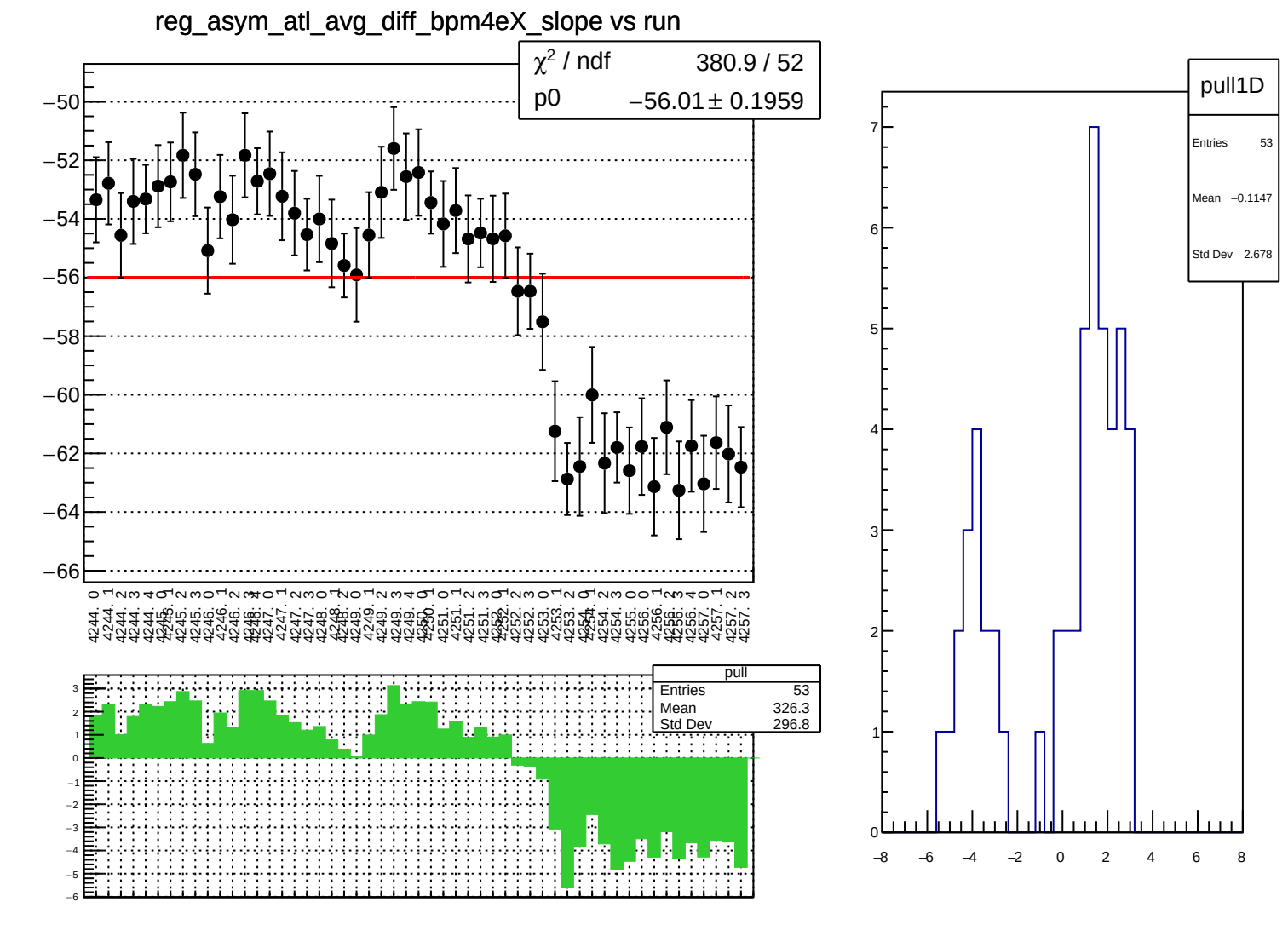

pull1D
Entries 53
Mean −0.01692
Std Dev 2.298

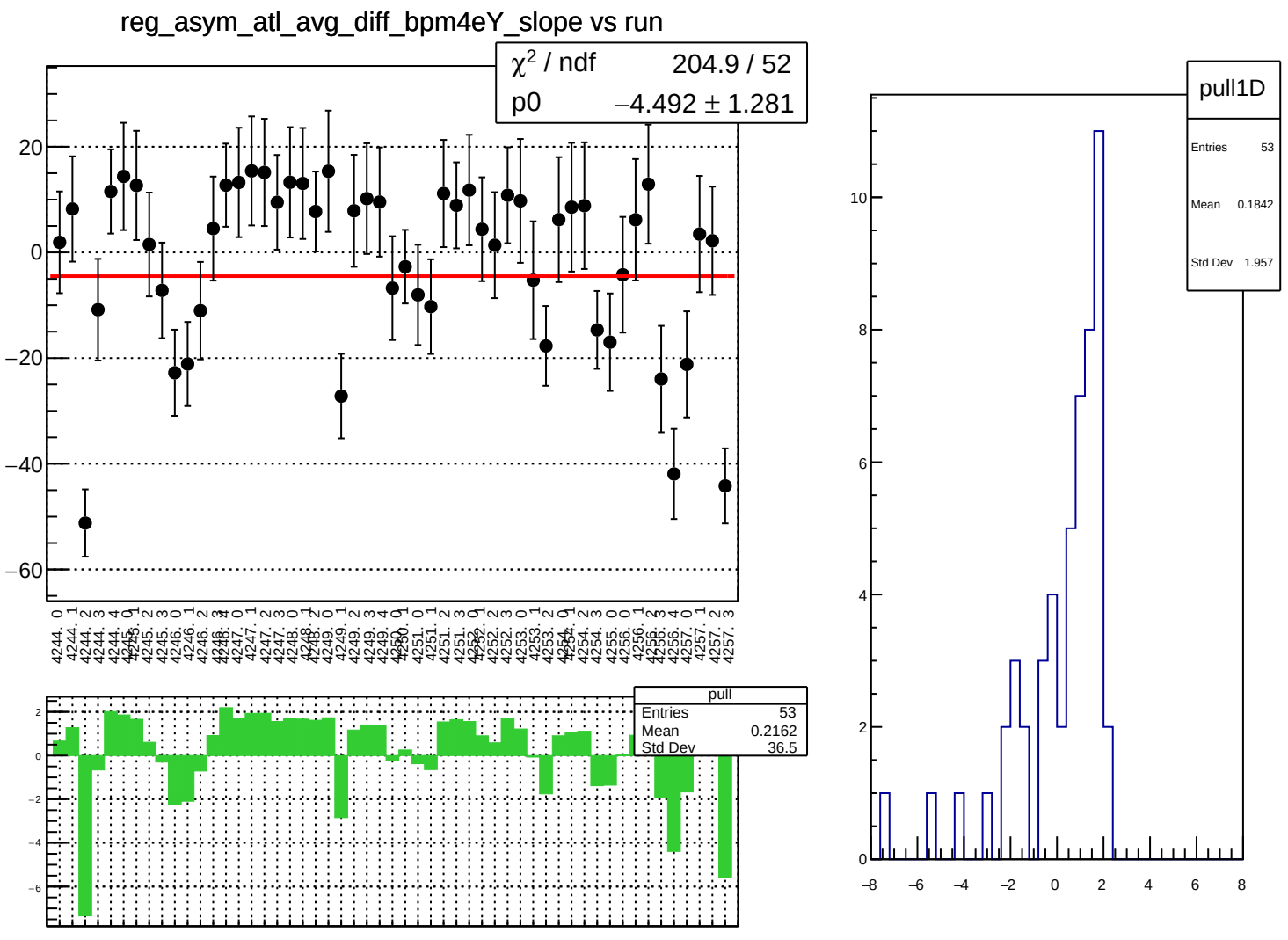

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 32.38 / 52
p0 −46.6 ± 1.022
pull
Entries 53
Mean 297.9
Std Dev 267.9

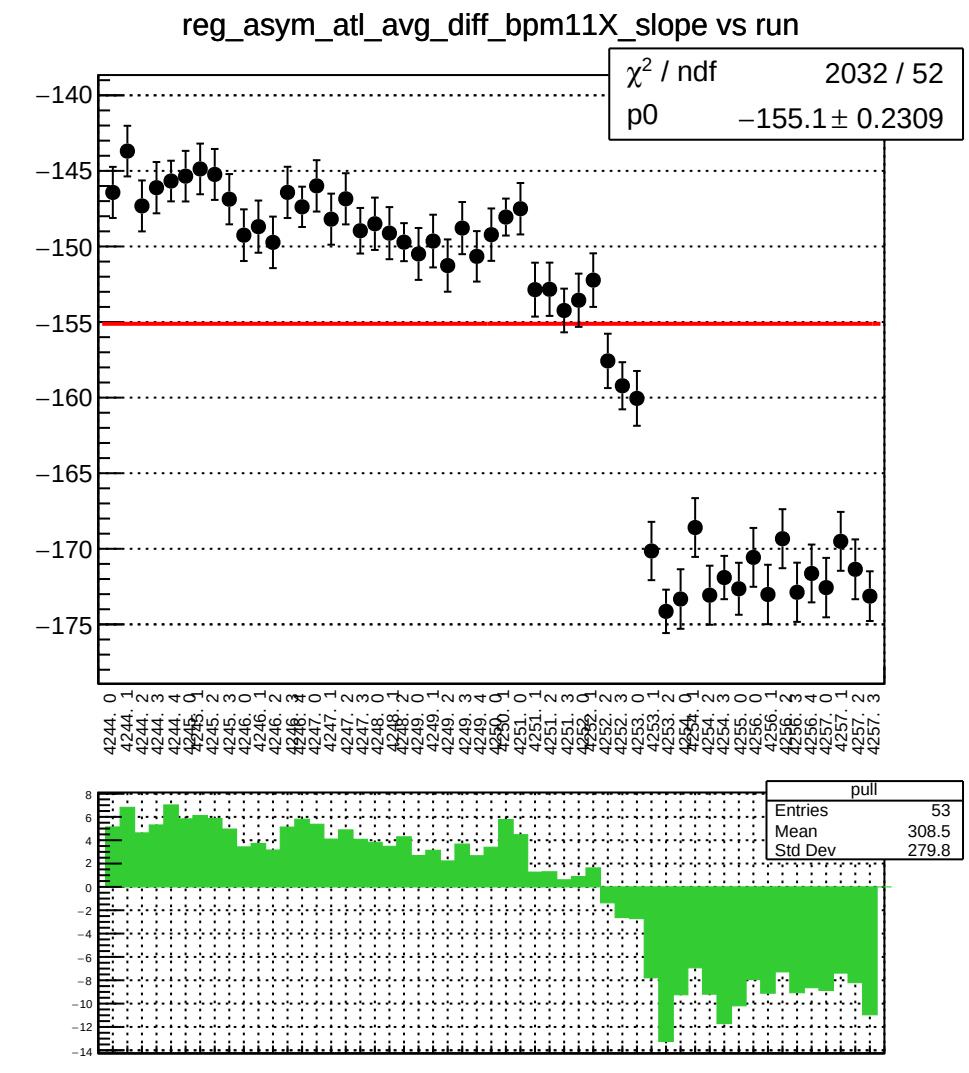

pull1D
Entries 53
Mean −0.02806
Std Dev 0.7812

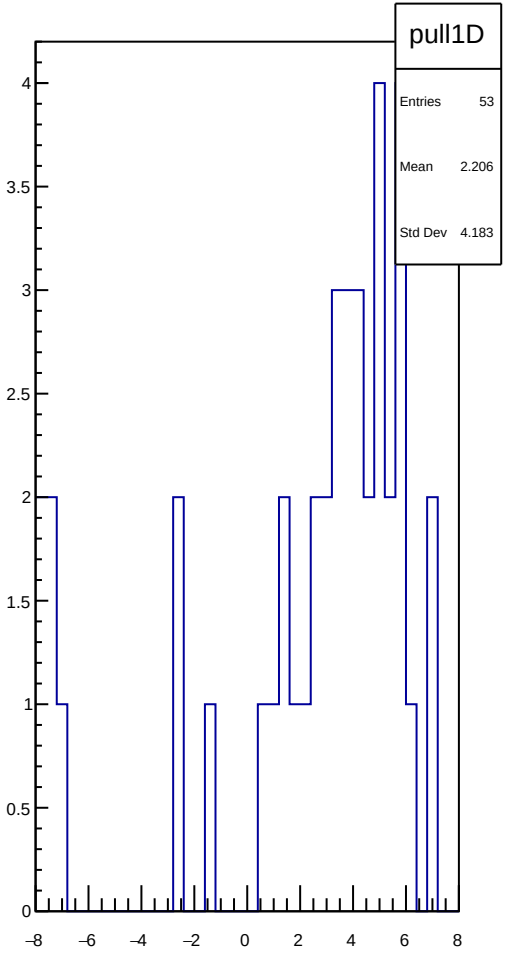

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 214.5 / 52
p0 26.36 ± 0.7761
pull
Entries 53
Mean −26.52
Std Dev 59.55

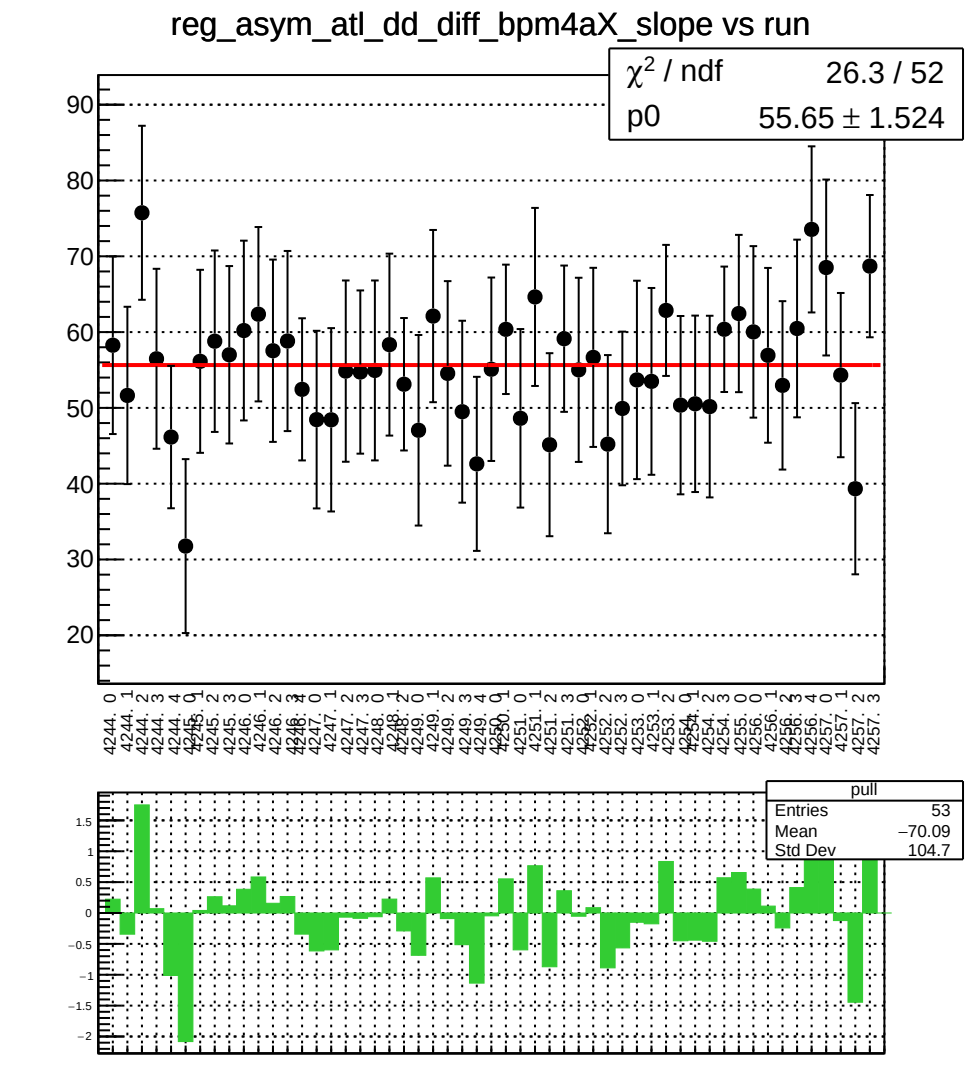

pull1D
Entries 53
Mean −0.1648
Std Dev 2.005

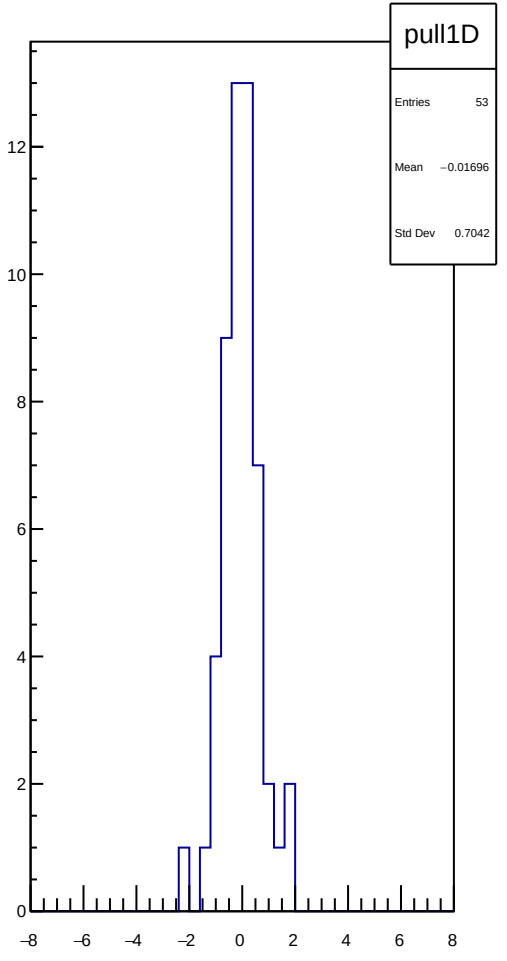

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 380.9 / 52
p0 −56.01 ± 0.1959
pull
Entries 53
Mean 326.3
Std Dev 296.8
pull1D
Entries 53
Mean −0.1147
Std Dev 2.678

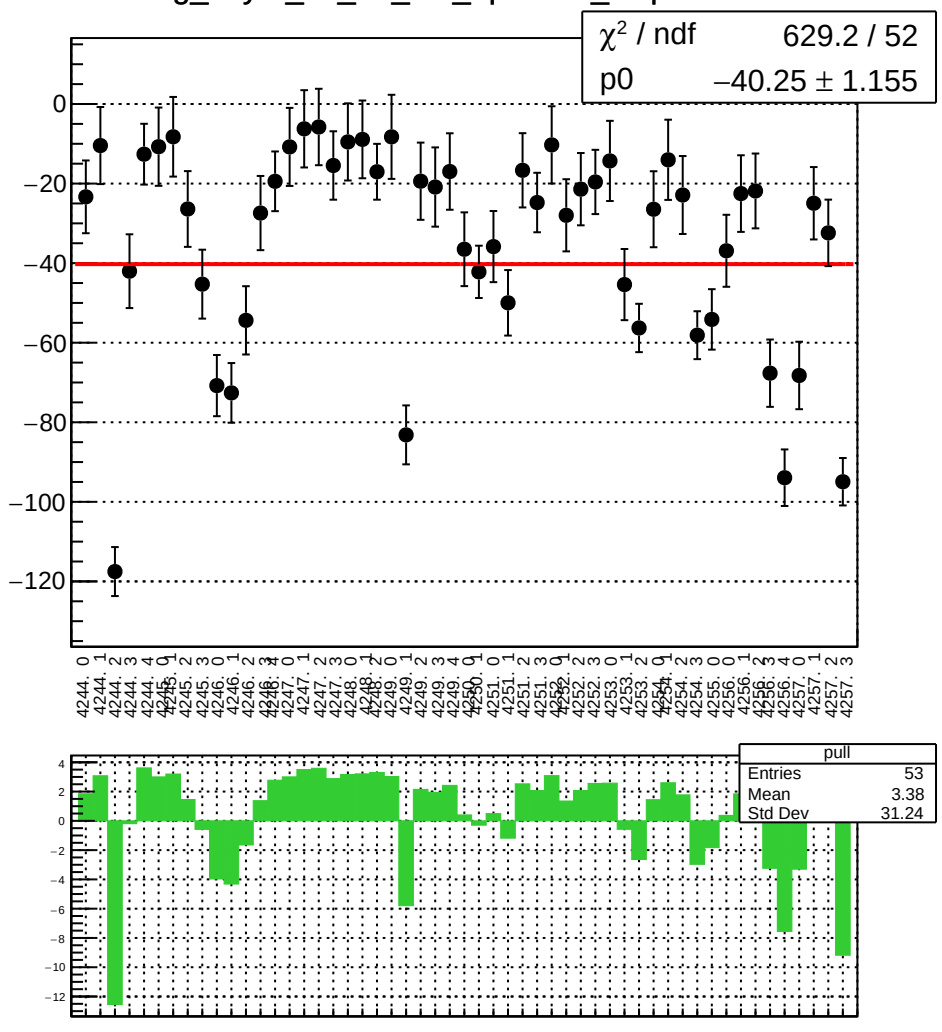

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 204.9 / 52
p0 −4.492 ± 1.281
20
0
−20
−40
−60
pull
Entries 53
Mean 0.2162
Std Dev 36.5
pull1D
Entries 53
Mean 0.1842
Std Dev 1.957
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

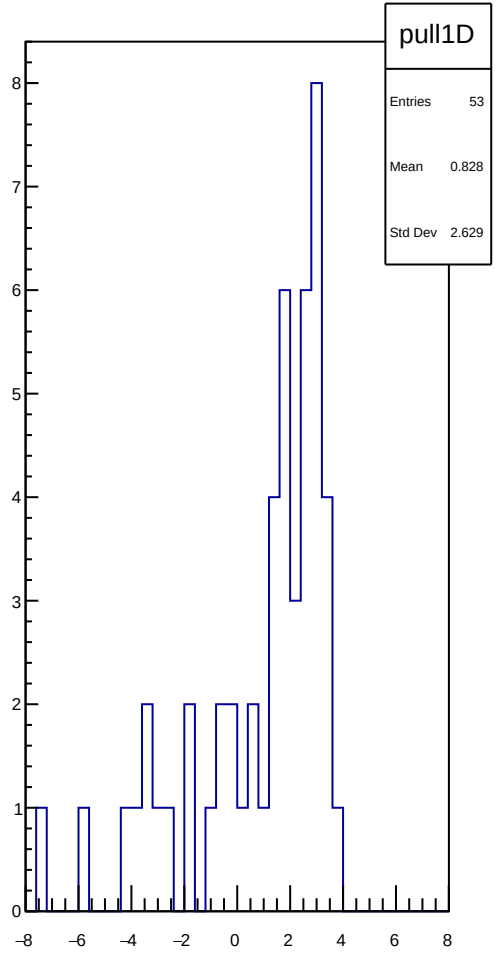

reg_asym_atl_avg_diff_bpm11X_slope vs run
χ² / ndf 2032 / 52
p0 −155.1 ± 0.2309
pull
Entries 53
Mean 308.5
Std Dev 279.8

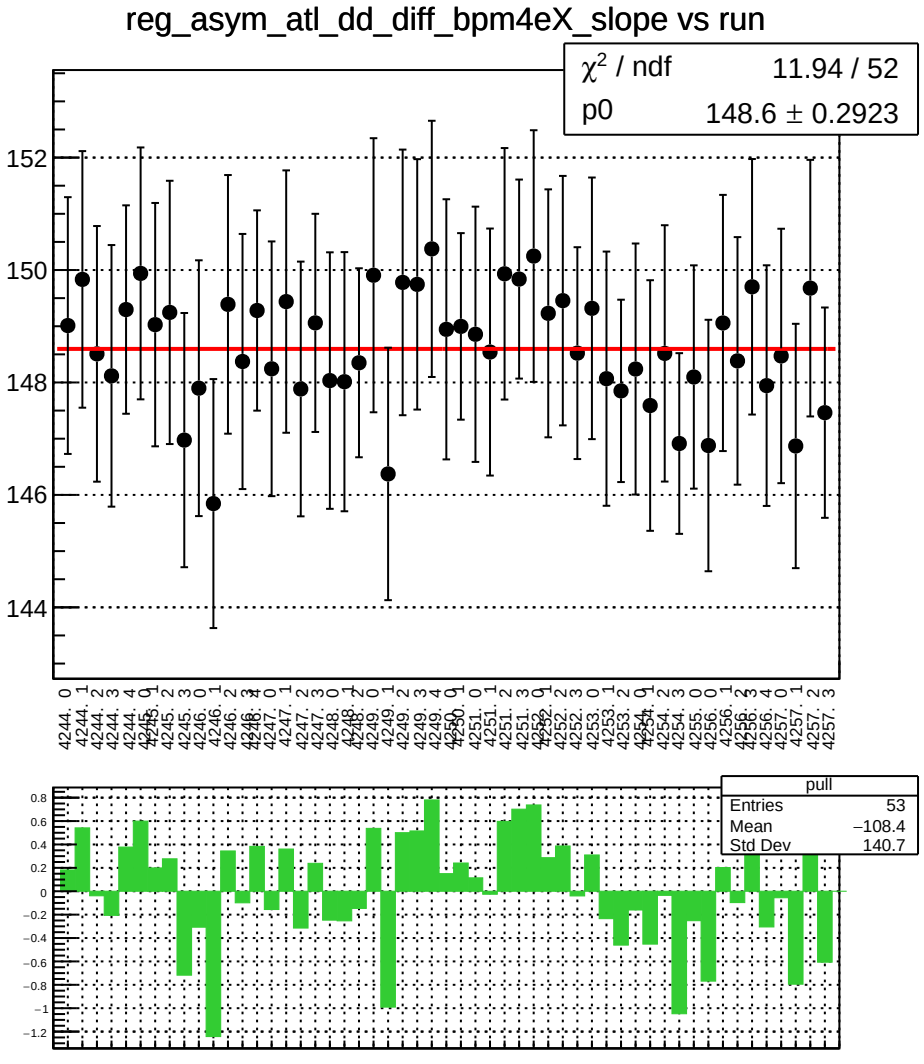

pull1D
Entries 53
Mean 2.206
Std Dev 4.183

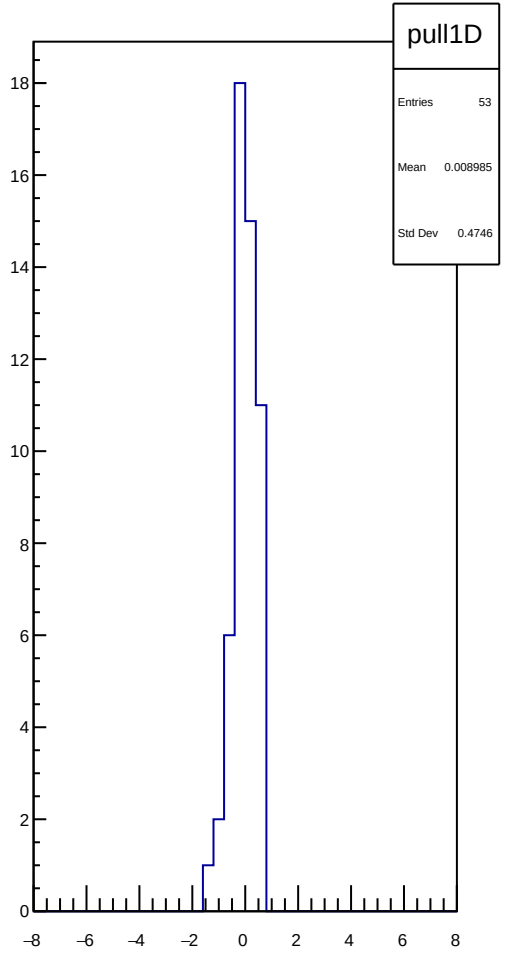

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 26.3 / 52
p0 55.65 ± 1.524
pull
Entries 53
Mean −70.09
Std Dev 104.7

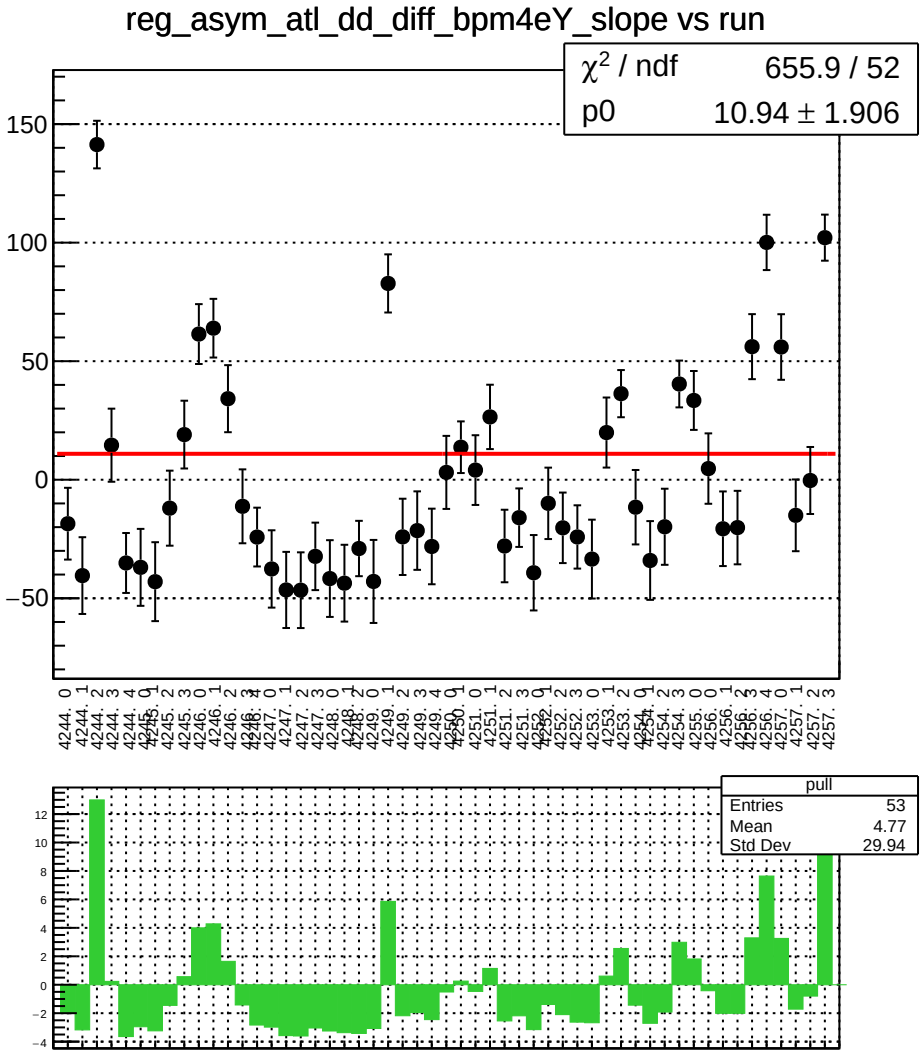

pull1D
Entries 53
Mean −0.01696
Std Dev 0.7042

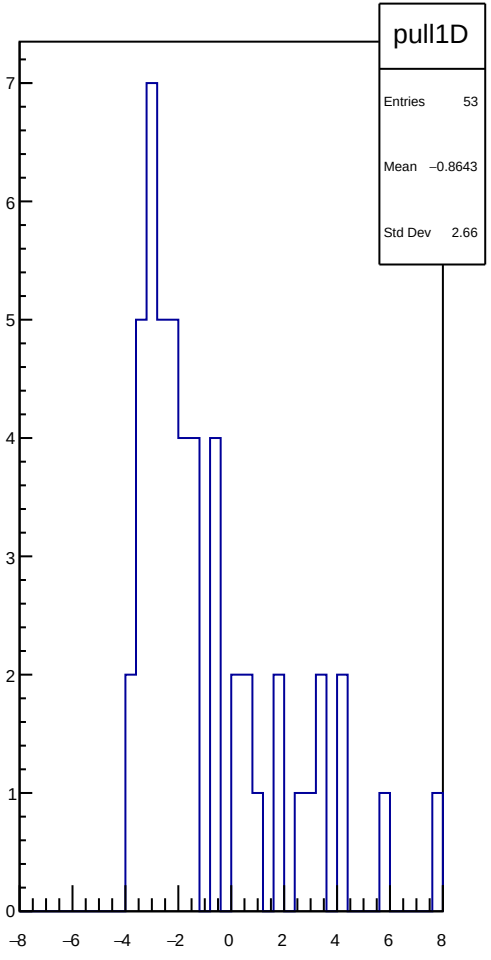

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 629.2 / 52
p0 −40.25 ± 1.155
pull
Entries 53
Mean 3.38
Std Dev 31.24

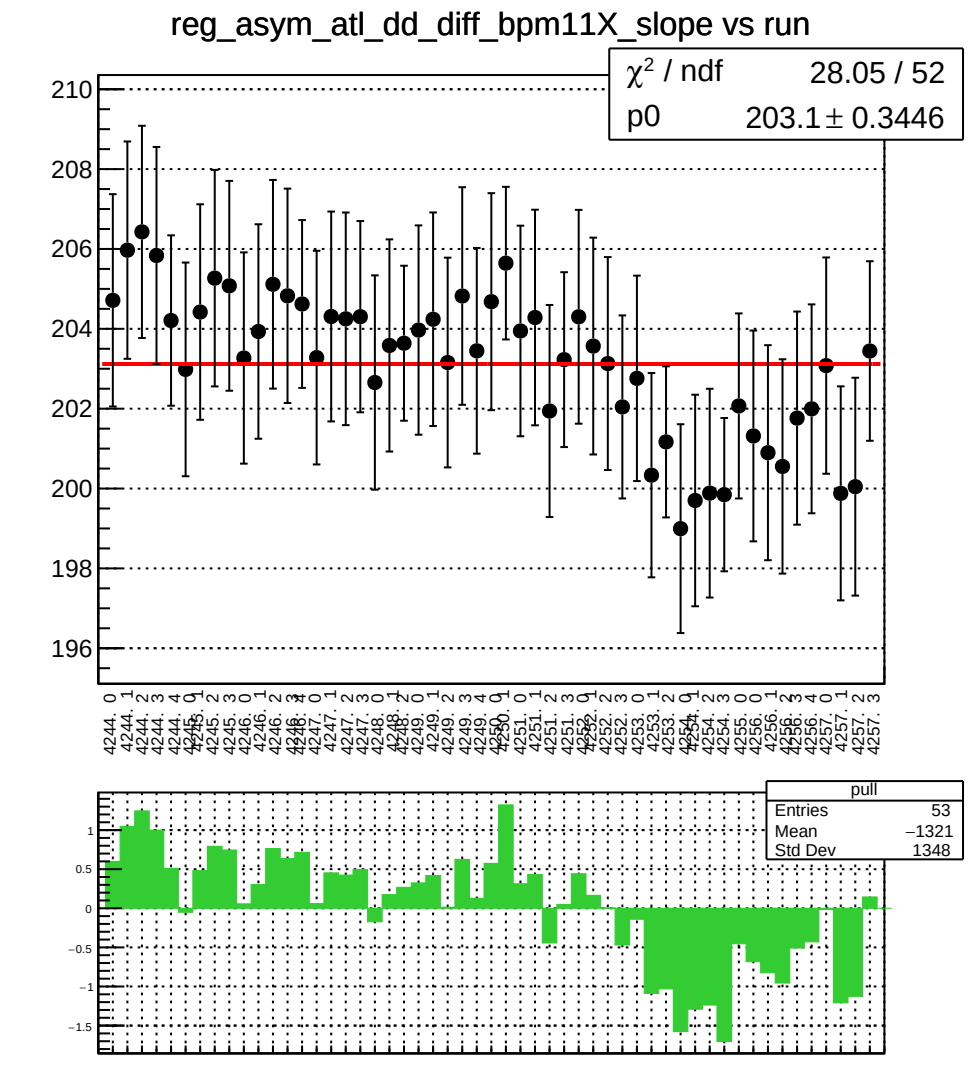

pull1D
Entries 53
Mean 0.828
Std Dev 2.629

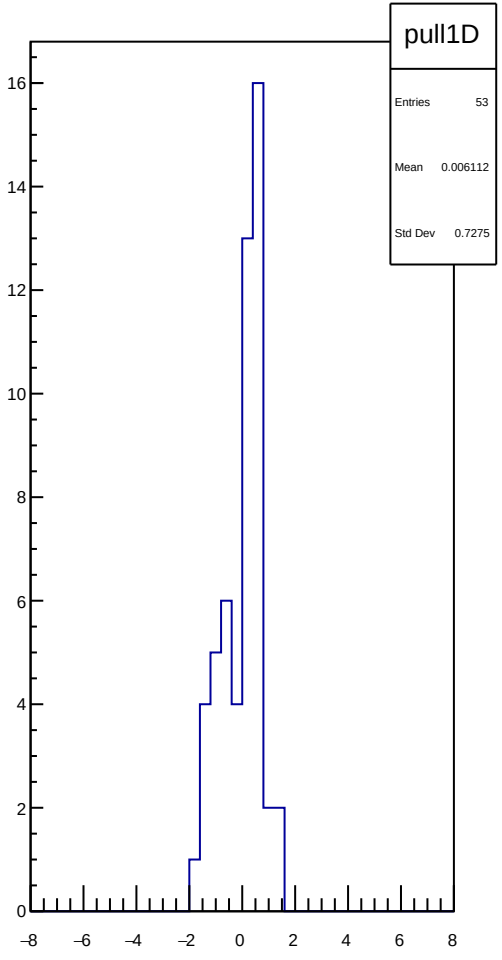

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.94 / 52
p0 148.6 ± 0.2923
152
150
148
146
144
pull
Entries 53
Mean −108.4
Std Dev 140.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

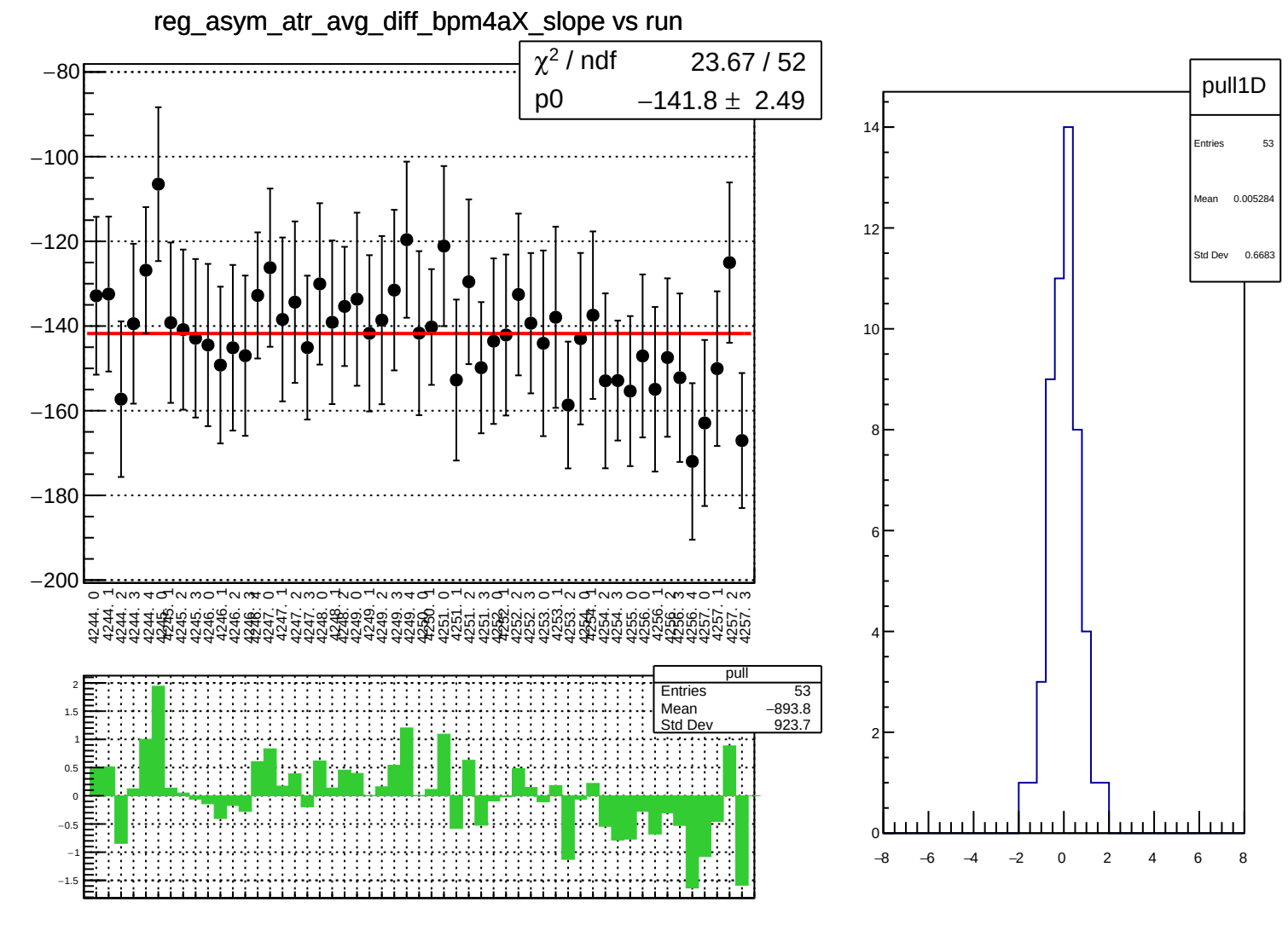

pull1D
Entries 53
Mean 0.008985
Std Dev 0.4746
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

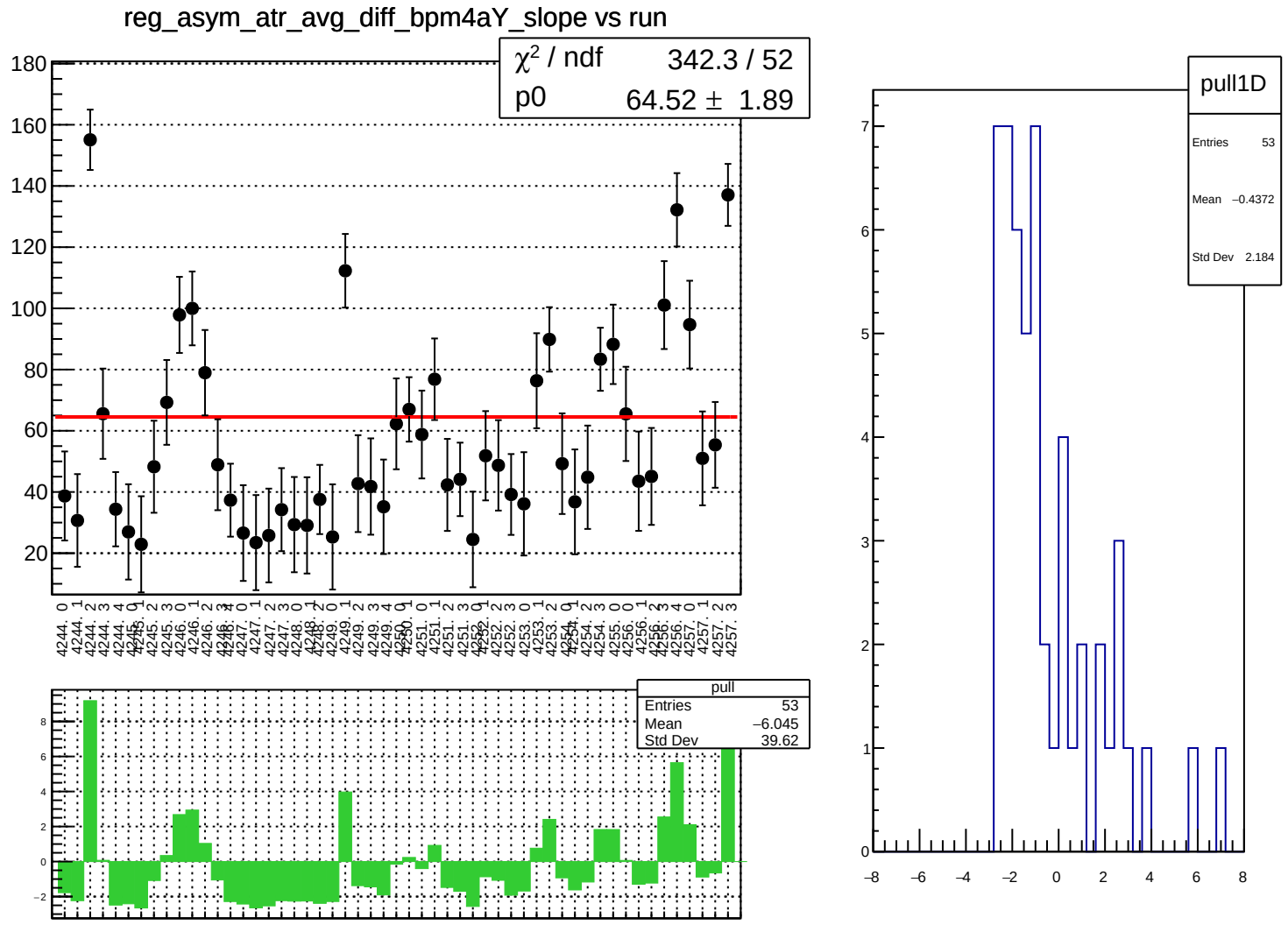

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 655.9 / 52
p0 10.94 ± 1.906
150
100
50
0
−50
pull
Entries 53
Mean 4.77
Std Dev 29.94
12
10
8
6
4
2
0
−2
−4

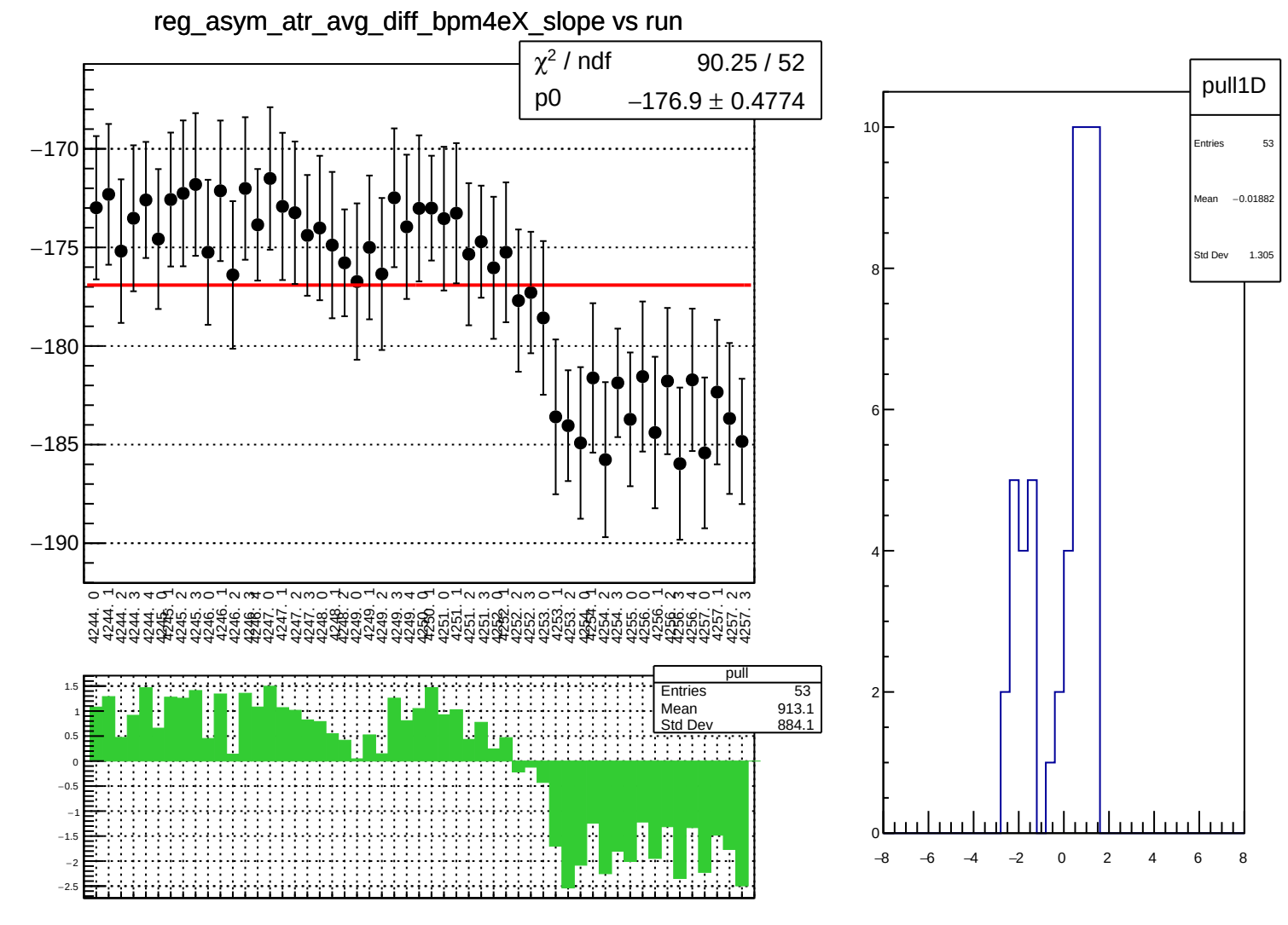

pull1D
Entries 53
Mean −0.8643
Std Dev 2.66
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

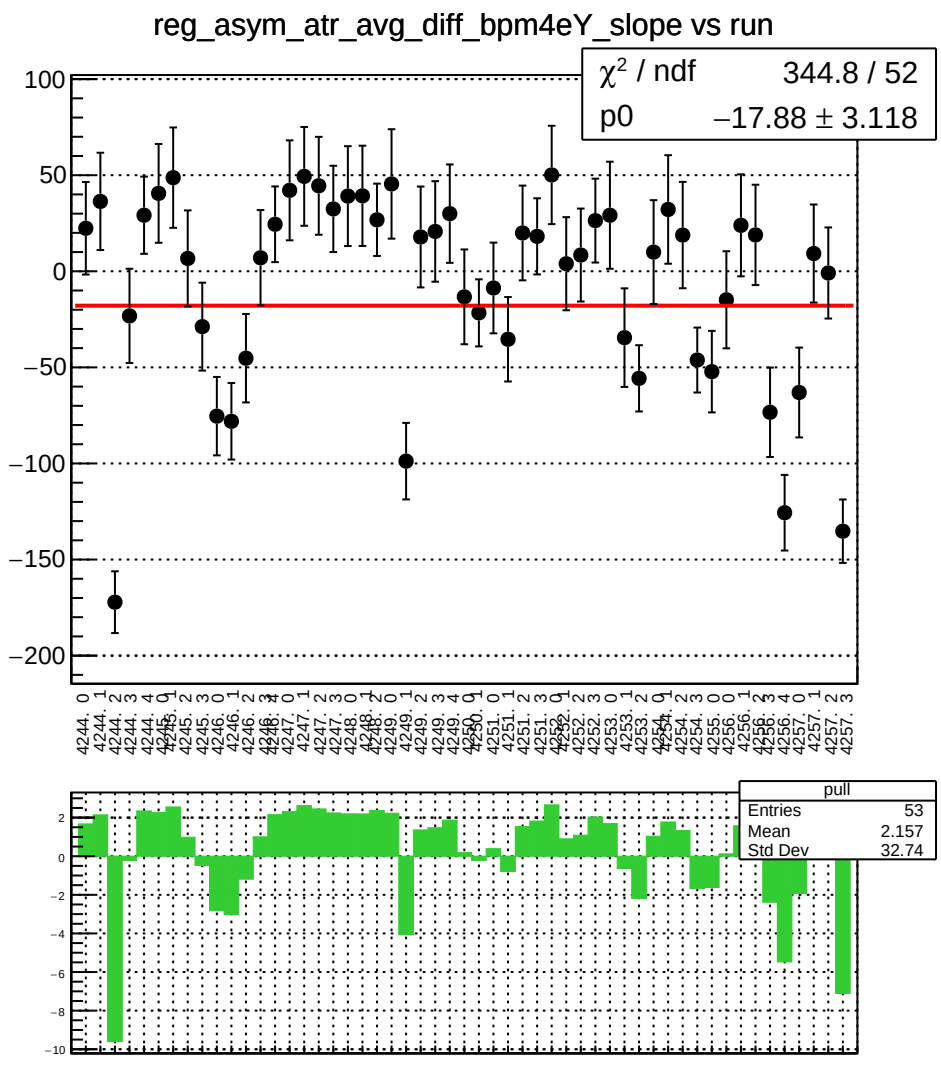

reg_asym_atl_dd_diff_bpm11X_slope vs run
χ² / ndf 28.05 / 52
p0 203.1 ± 0.3446
pull
Entries 53
Mean −1321
Std Dev 1348

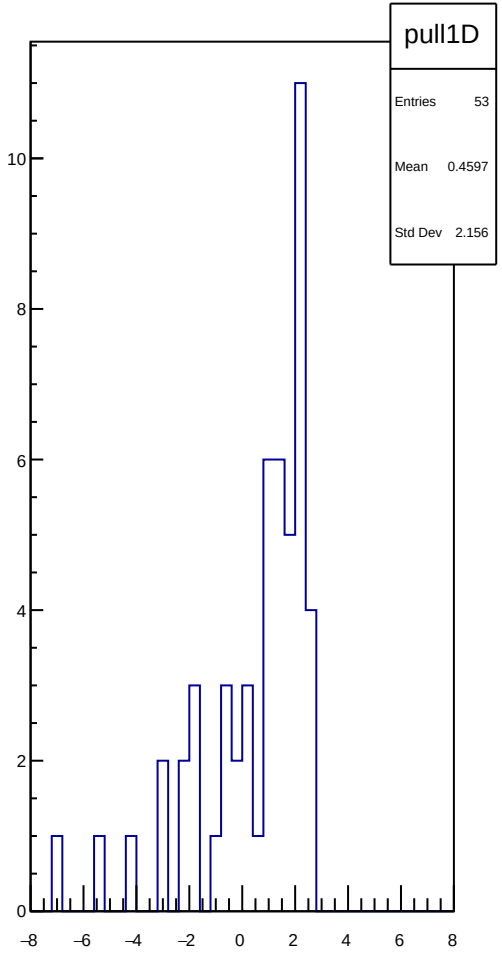

pull1D
Entries 53
Mean 0.006112
Std Dev 0.7275

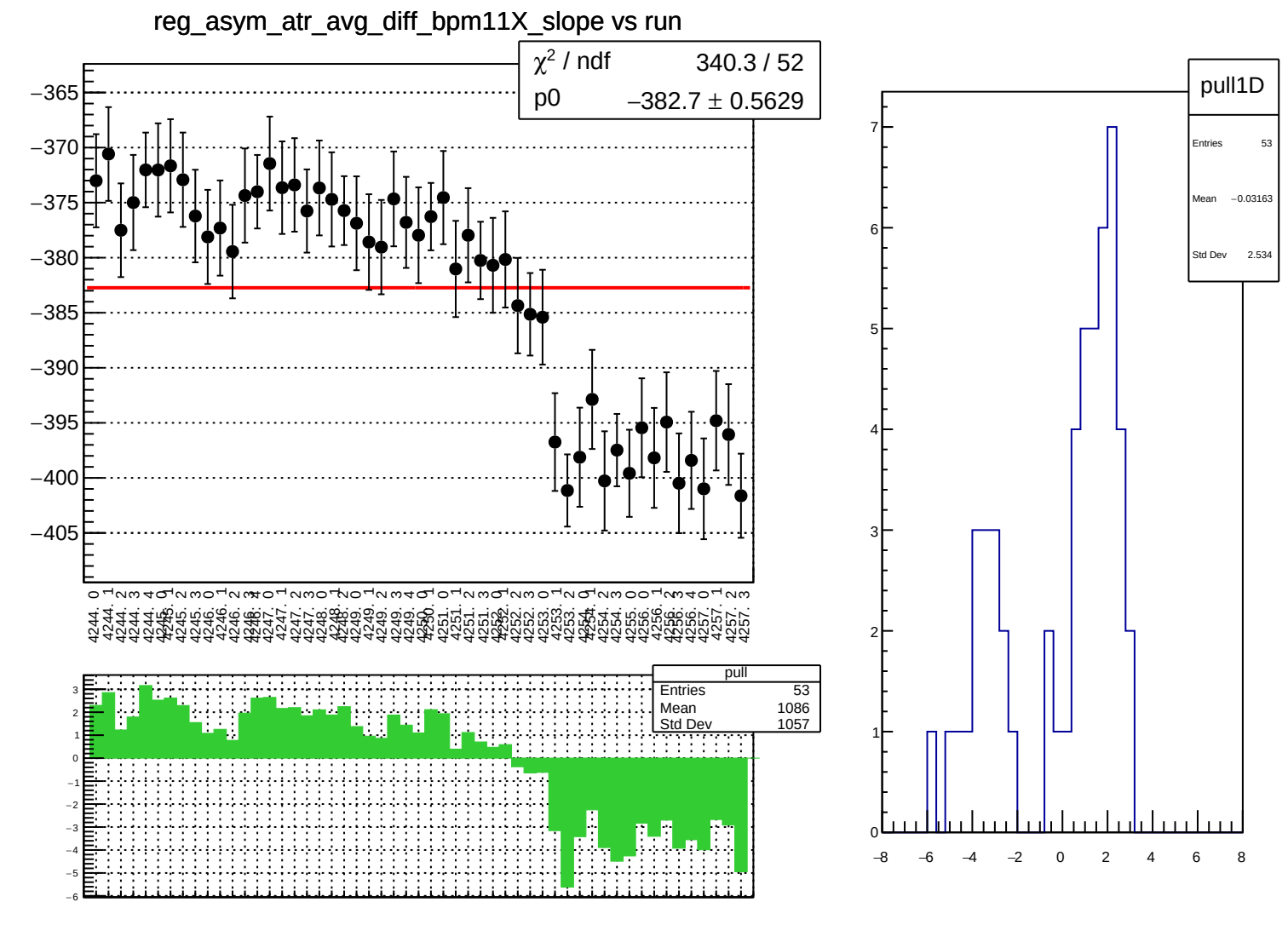

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.67 / 52
p0 −141.8 ± 2.49
pull
Entries 53
Mean −893.8
Std Dev 923.7
pull1D
Entries 53
Mean 0.005284
Std Dev 0.6683

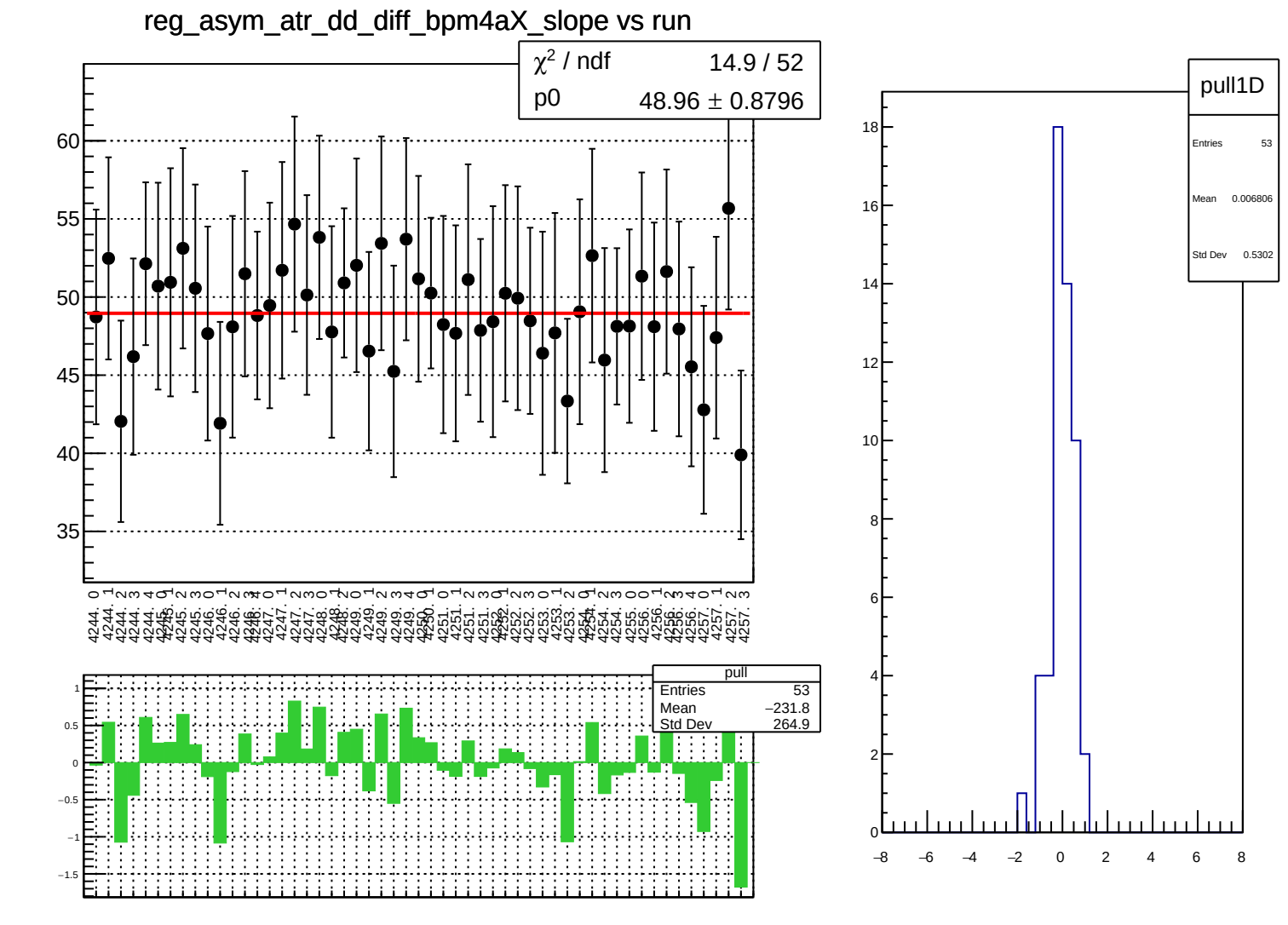

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 342.3 / 52
p0 64.52 ± 1.89
pull
Entries 53
Mean −6.045
Std Dev 39.62
pull1D
Entries 53
Mean −0.4372
Std Dev 2.184

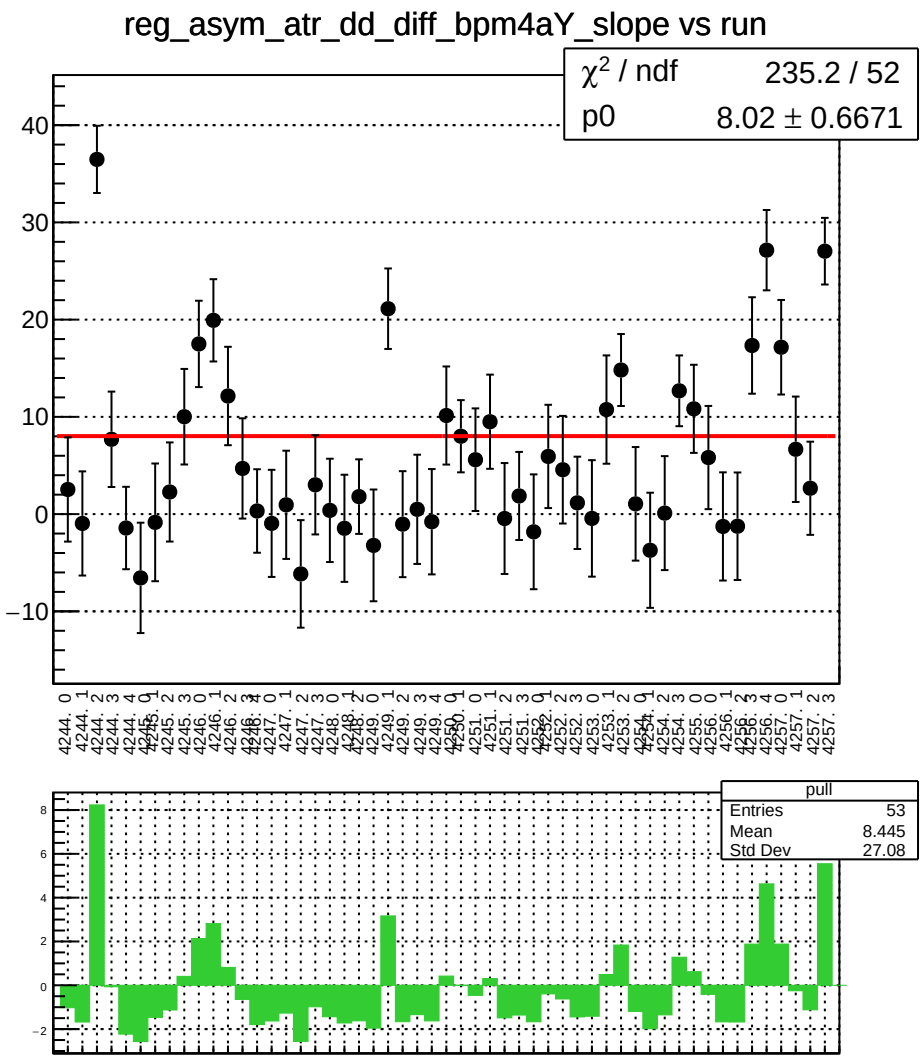

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.25 / 52
p0 −176.9 ± 0.4774
pull
Entries 53
Mean 913.1
Std Dev 884.1
pull1D
Entries 53
Mean −0.01882
Std Dev 1.305

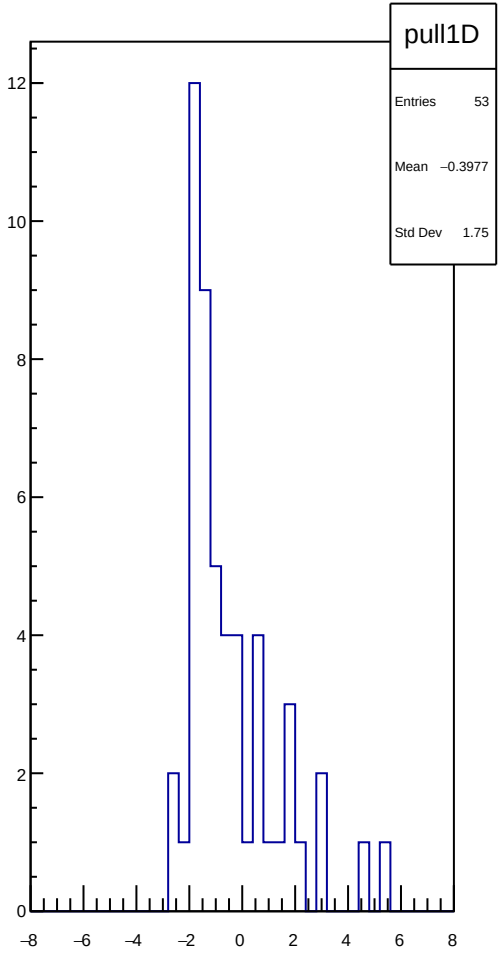

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 344.8 / 52
p0 −17.88 ± 3.118
pull
Entries 53
Mean 2.157
Std Dev 32.74

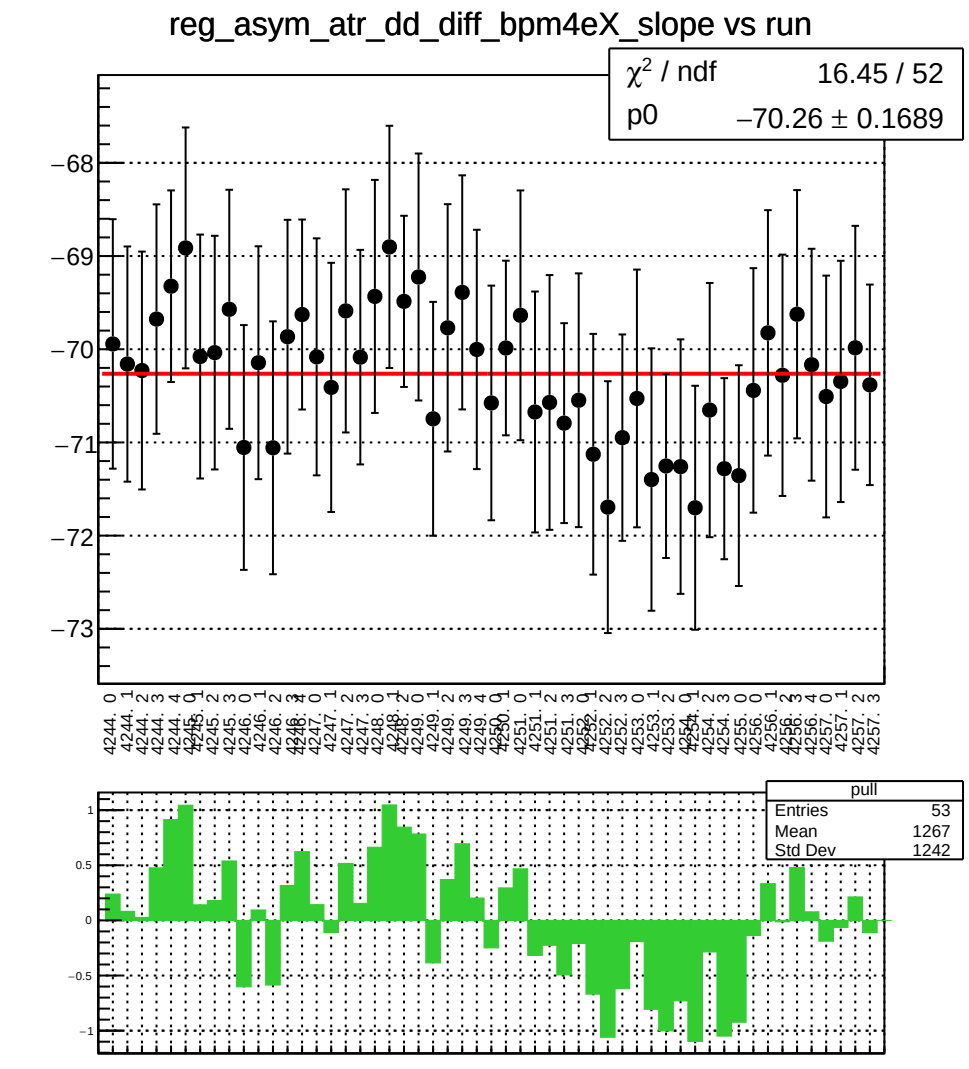

pull1D
Entries 53
Mean 0.4597
Std Dev 2.156

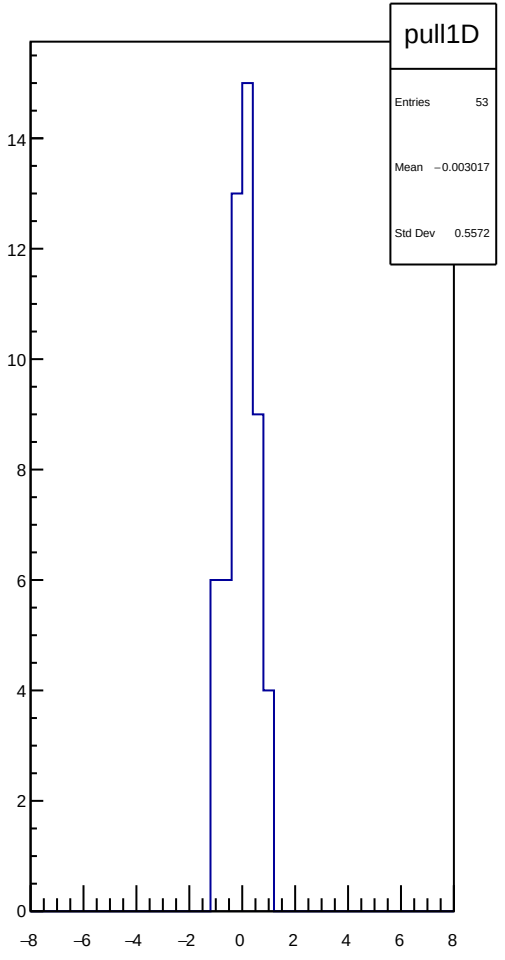

reg_asym_atr_avg_diff_bpm11X_slope vs run
χ² / ndf 340.3 / 52
p0 −382.7 ± 0.5629
pull
Entries 53
Mean 1086
Std Dev 1057
pull1D
Entries 53
Mean −0.03163
Std Dev 2.534

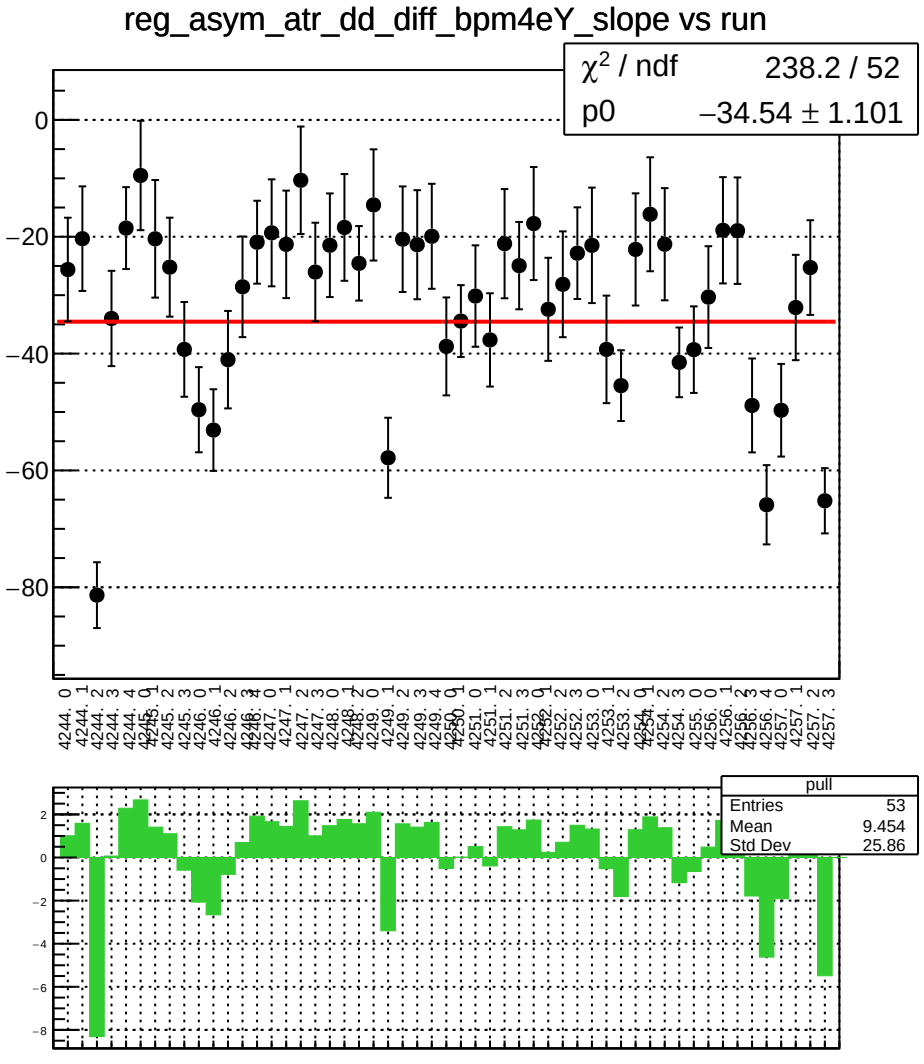

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.9 / 52
p0 48.96 ± 0.8796
pull
Entries 53
Mean −231.8
Std Dev 264.9
pull1D
Entries 53
Mean 0.006806
Std Dev 0.5302

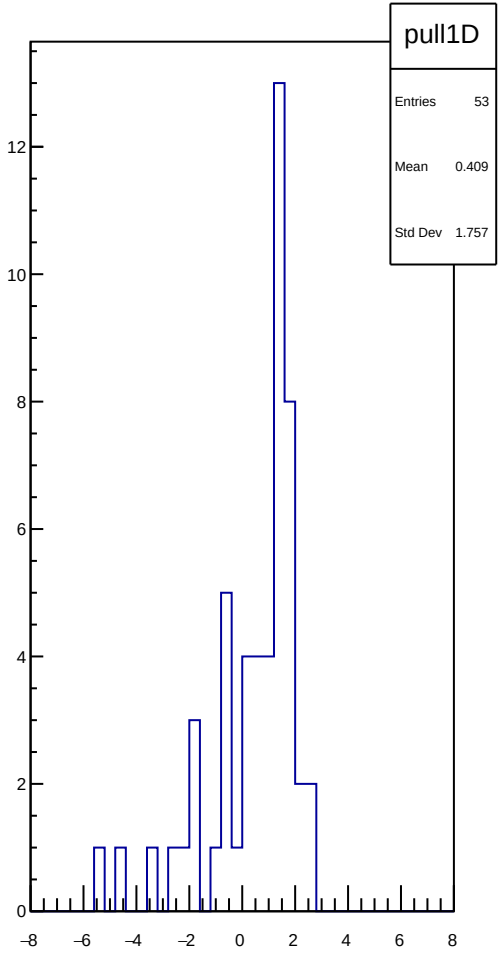

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 235.2 / 52
p0 8.02 ± 0.6671
pull
Entries 53
Mean 8.445
Std Dev 27.08

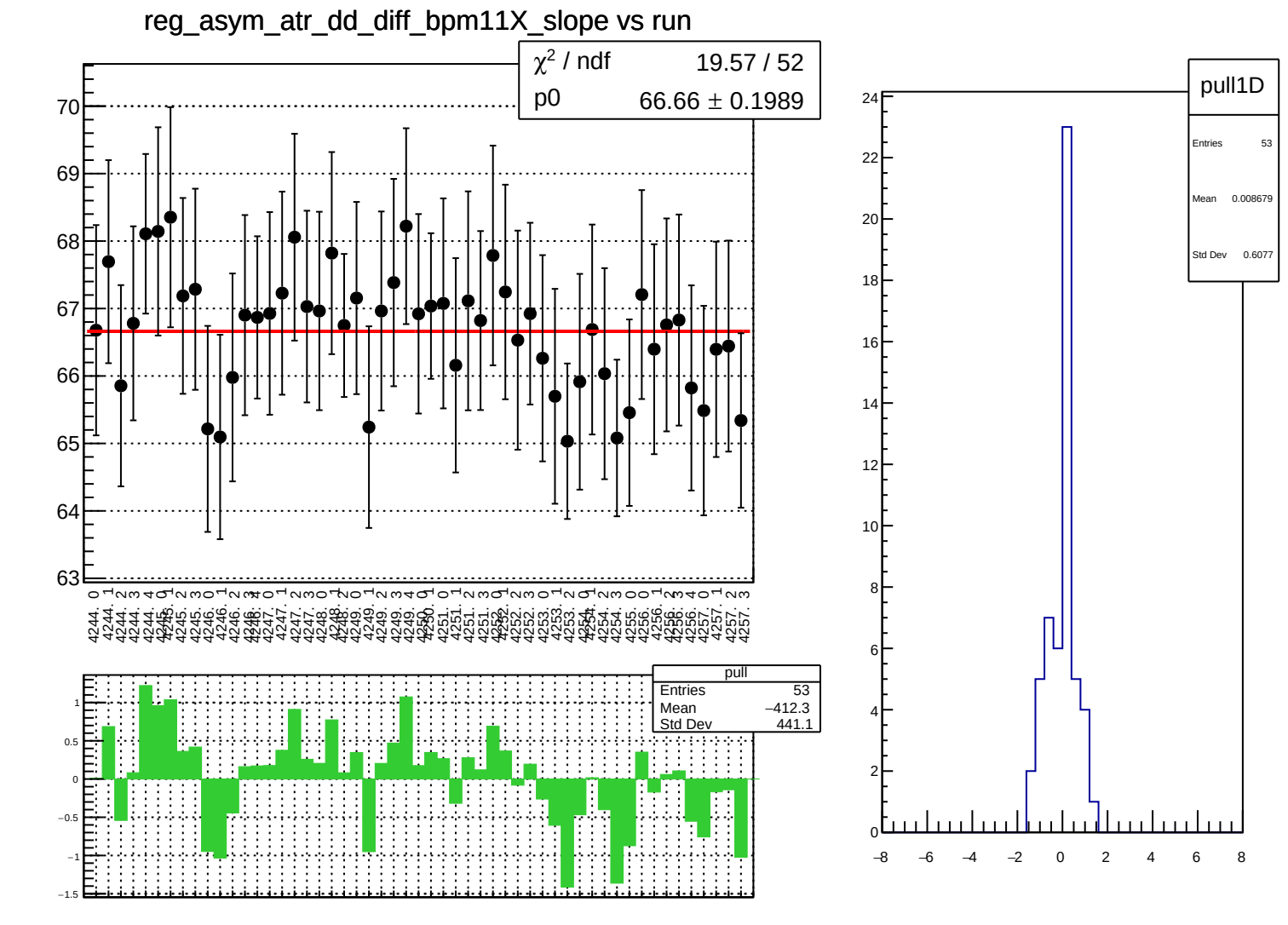

pull1D
Entries 53
Mean −0.3977
Std Dev 1.75

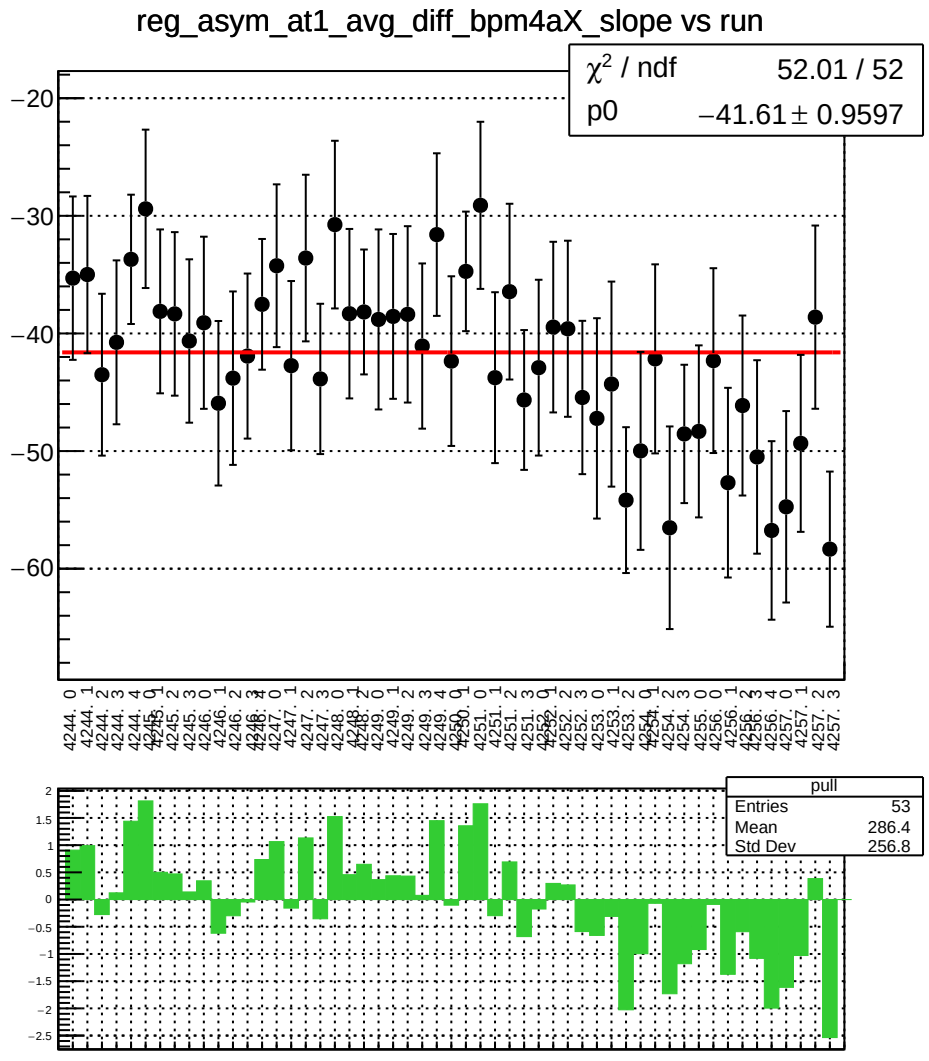

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.45 / 52
p0 −70.26 ± 0.1689
pull
Entries 53
Mean 1267
Std Dev 1242

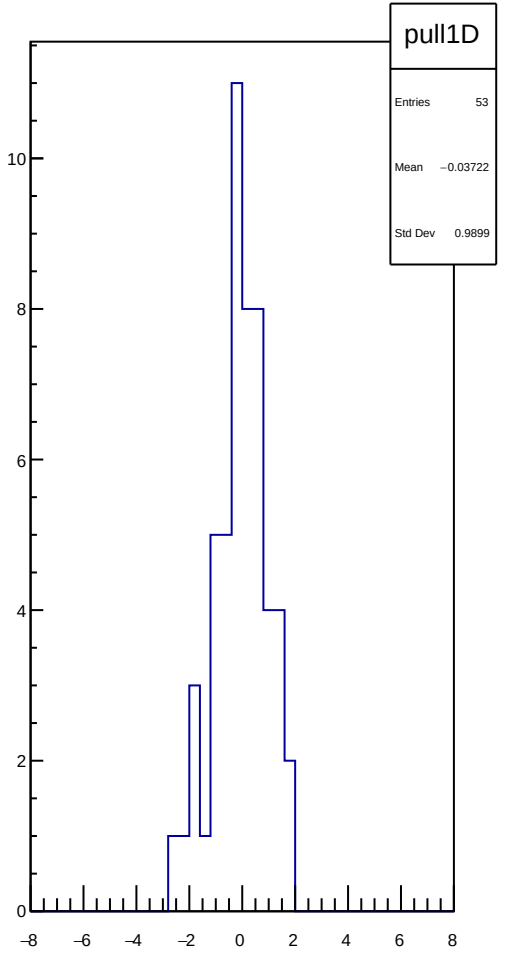

pull1D
Entries 53
Mean −0.003017
Std Dev 0.5572

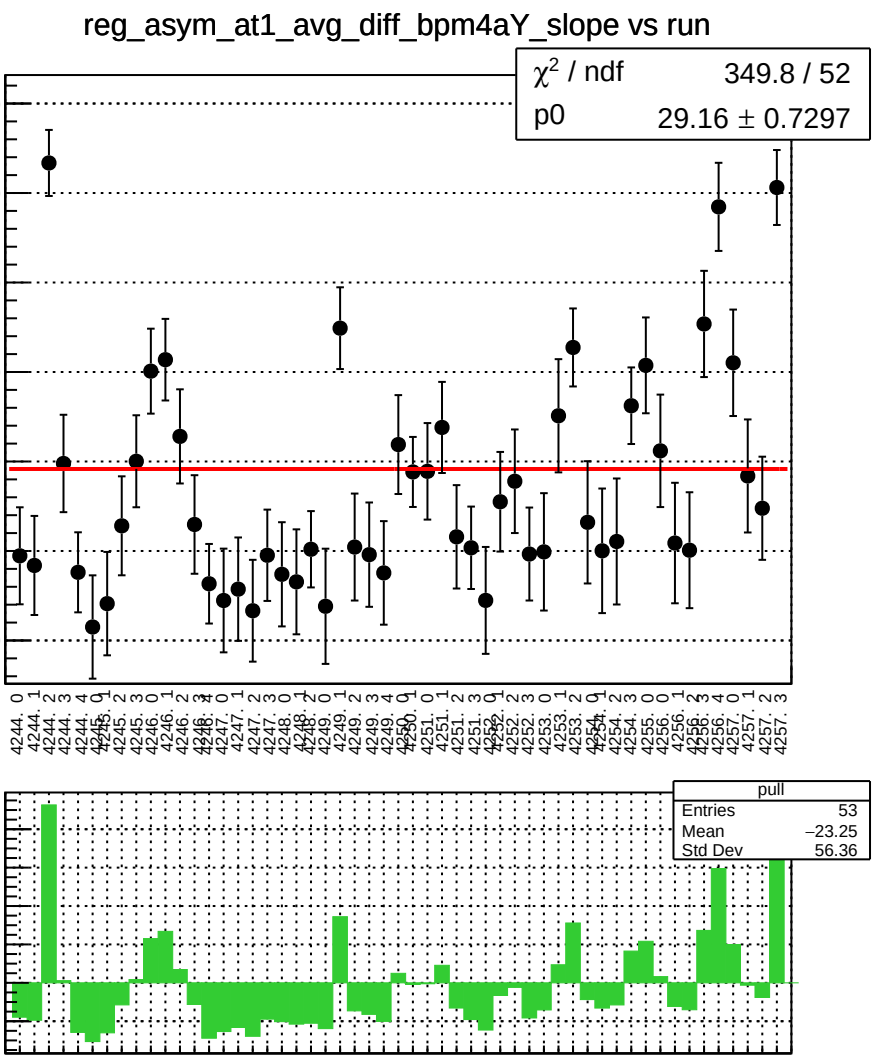

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 238.2 / 52
p0 −34.54 ± 1.101
pull
Entries 53
Mean 9.454
Std Dev 25.86

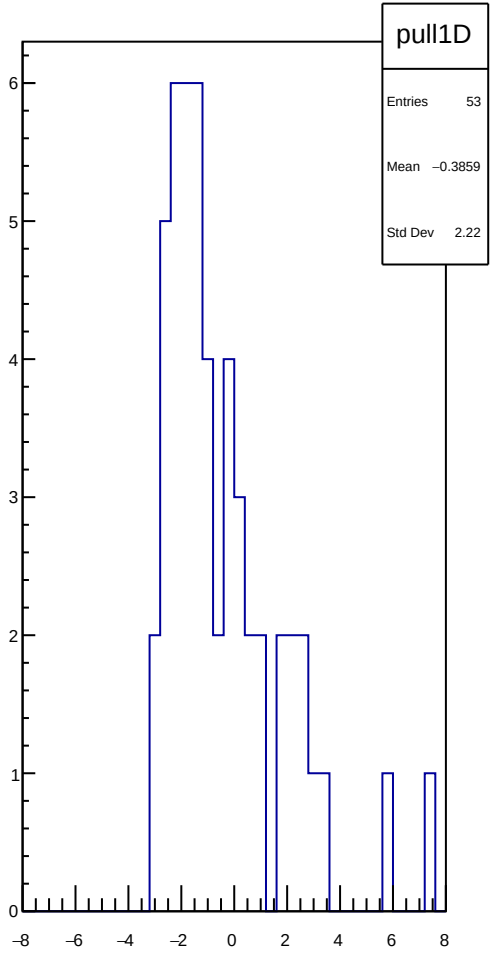

pull1D
Entries 53
Mean 0.409
Std Dev 1.757

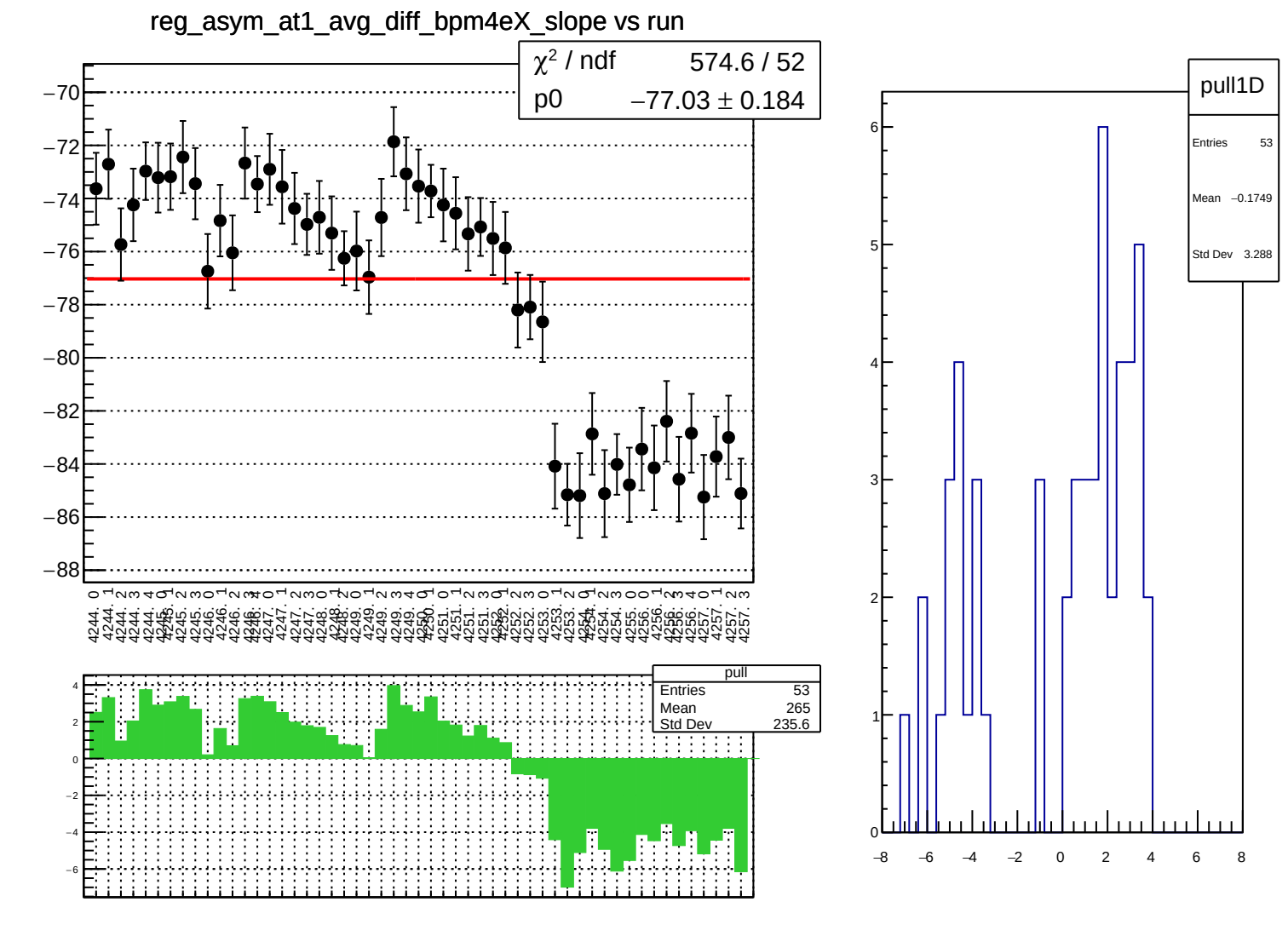

reg_asym_atr_dd_diff_bpm11X_slope vs run
χ² / ndf 19.57 / 52
p0 66.66 ± 0.1989
pull
Entries 53
Mean −412.3
Std Dev 441.1
pull1D
Entries 53
Mean 0.008679
Std Dev 0.6077

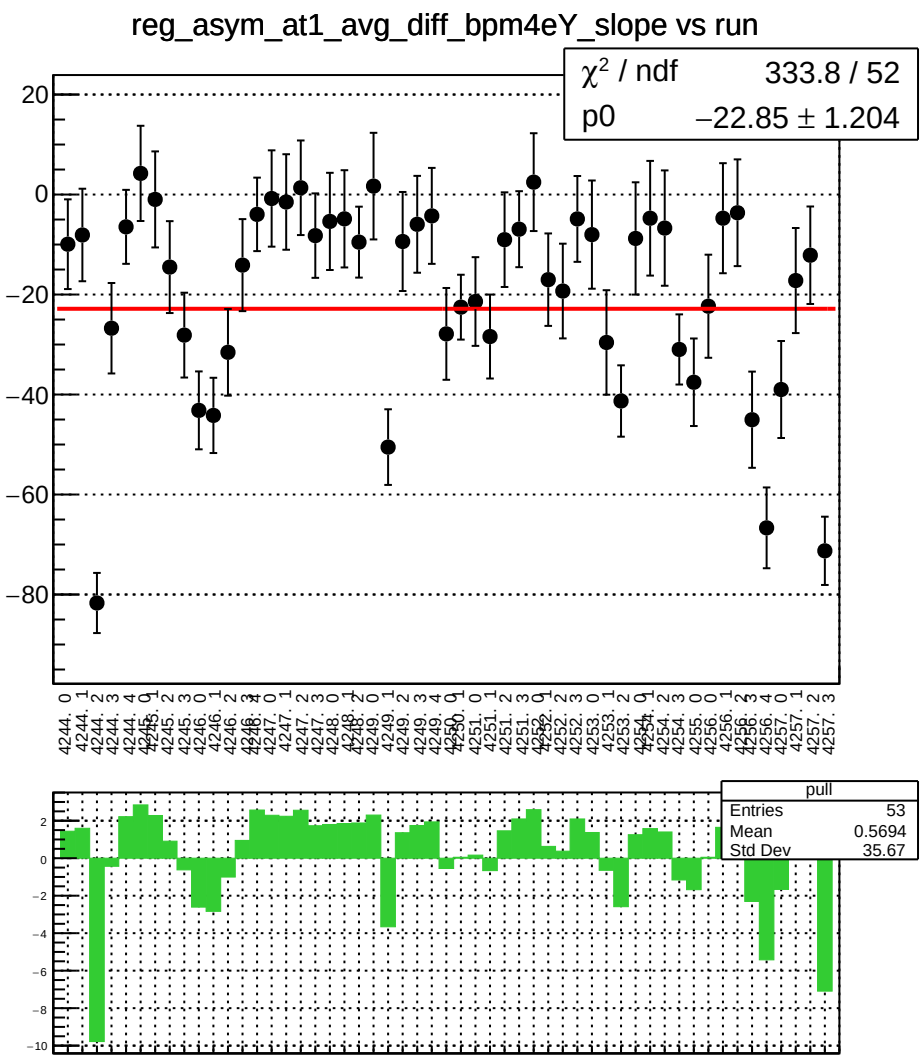

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 52.01 / 52
p0 −41.61 ± 0.9597
pull
Entries 53
Mean 286.4
Std Dev 256.8

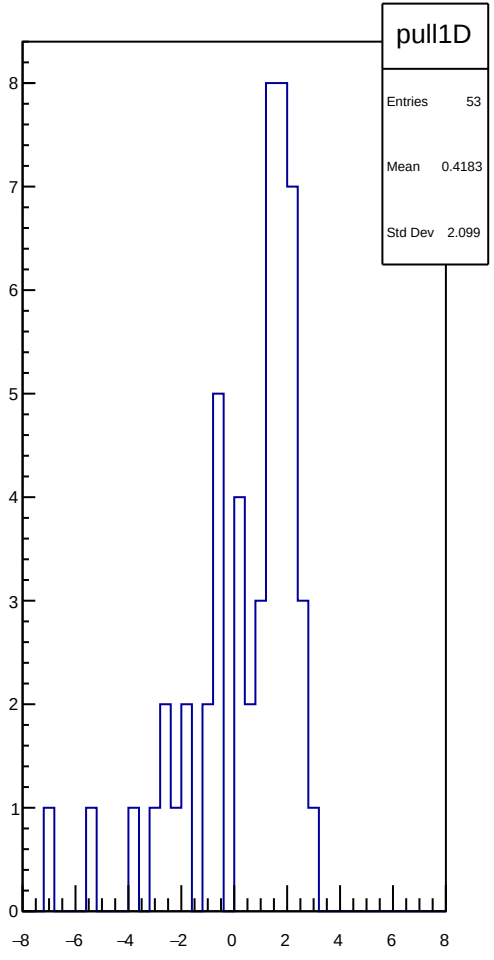

pull1D
Entries 53
Mean −0.03722
Std Dev 0.9899

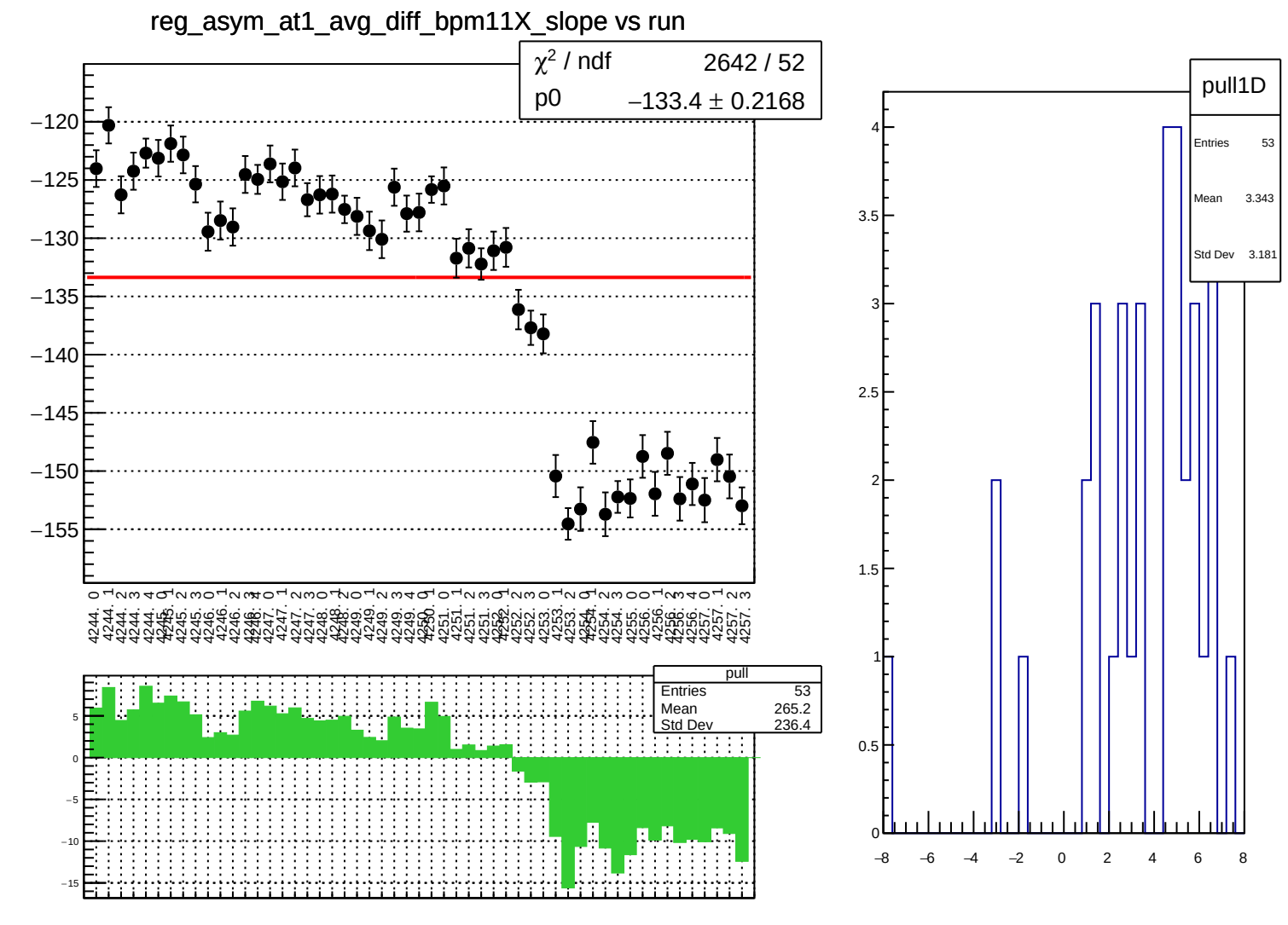

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 349.8 / 52
p0 29.16 ± 0.7297
pull
Entries 53
Mean −23.25
Std Dev 56.36

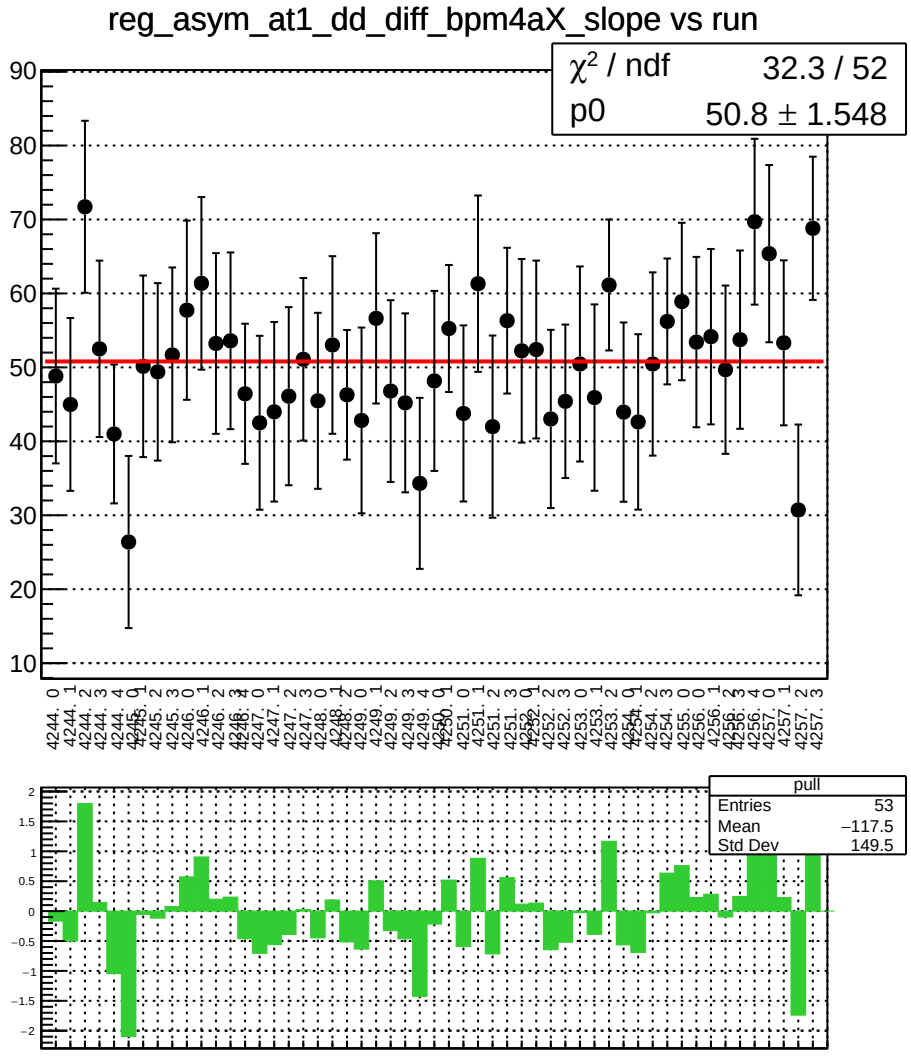

pull1D
Entries 53
Mean −0.3859
Std Dev 2.22

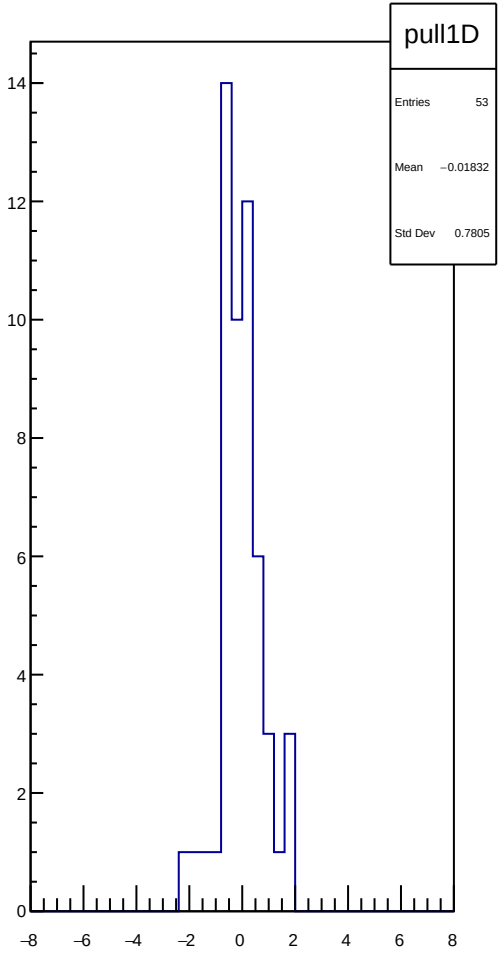

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 574.6 / 52
p0 −77.03 ± 0.184
pull
Entries 53
Mean 265
Std Dev 235.6
pull1D
Entries 53
Mean −0.1749
Std Dev 3.288

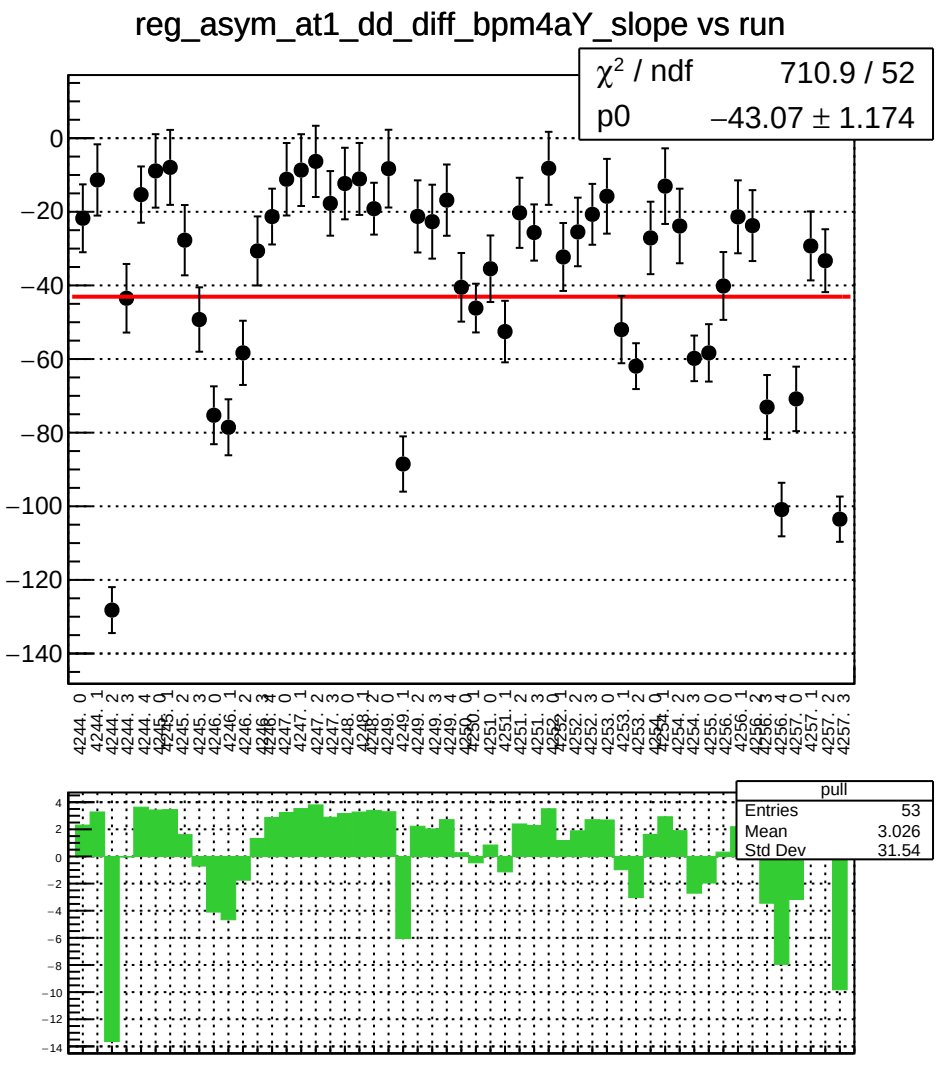

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 333.8 / 52
p0 −22.85 ± 1.204
pull
Entries 53
Mean 0.5694
Std Dev 35.67

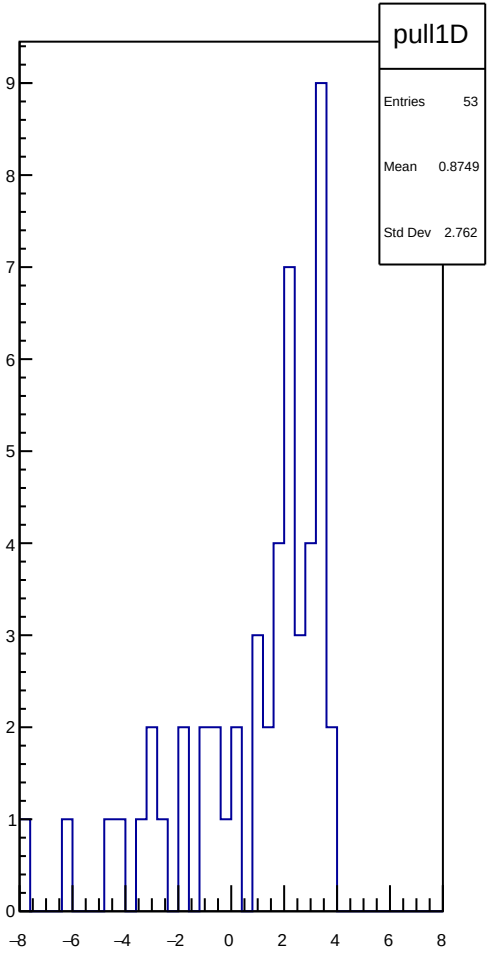

pull1D
Entries 53
Mean 0.4183
Std Dev 2.099

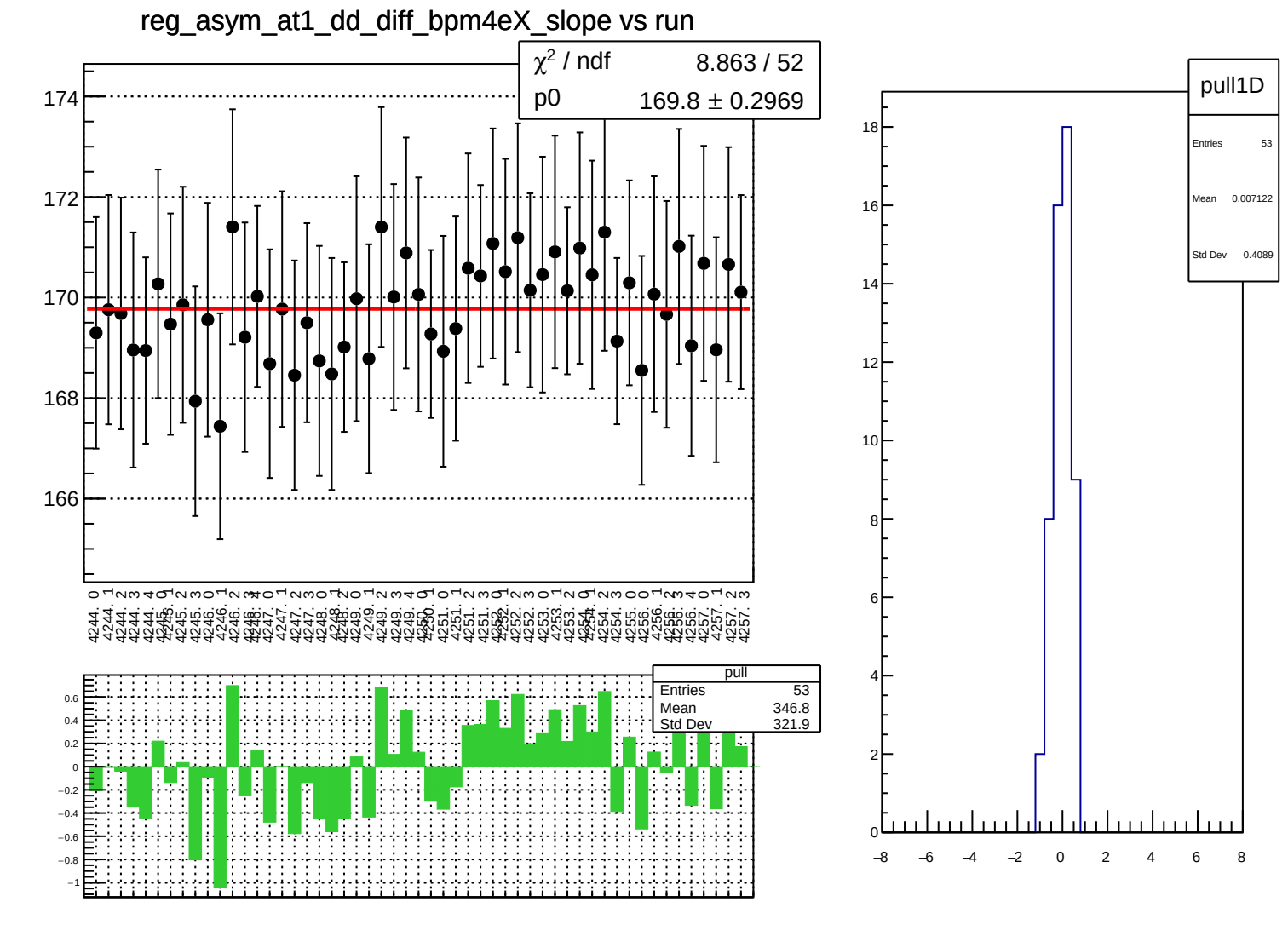

reg_asym_at1_avg_diff_bpm11X_slope vs run
χ² / ndf 2642 / 52
p0 −133.4 ± 0.2168
pull
Entries 53
Mean 265.2
Std Dev 236.4
pull1D
Entries 53
Mean 3.343
Std Dev 3.181

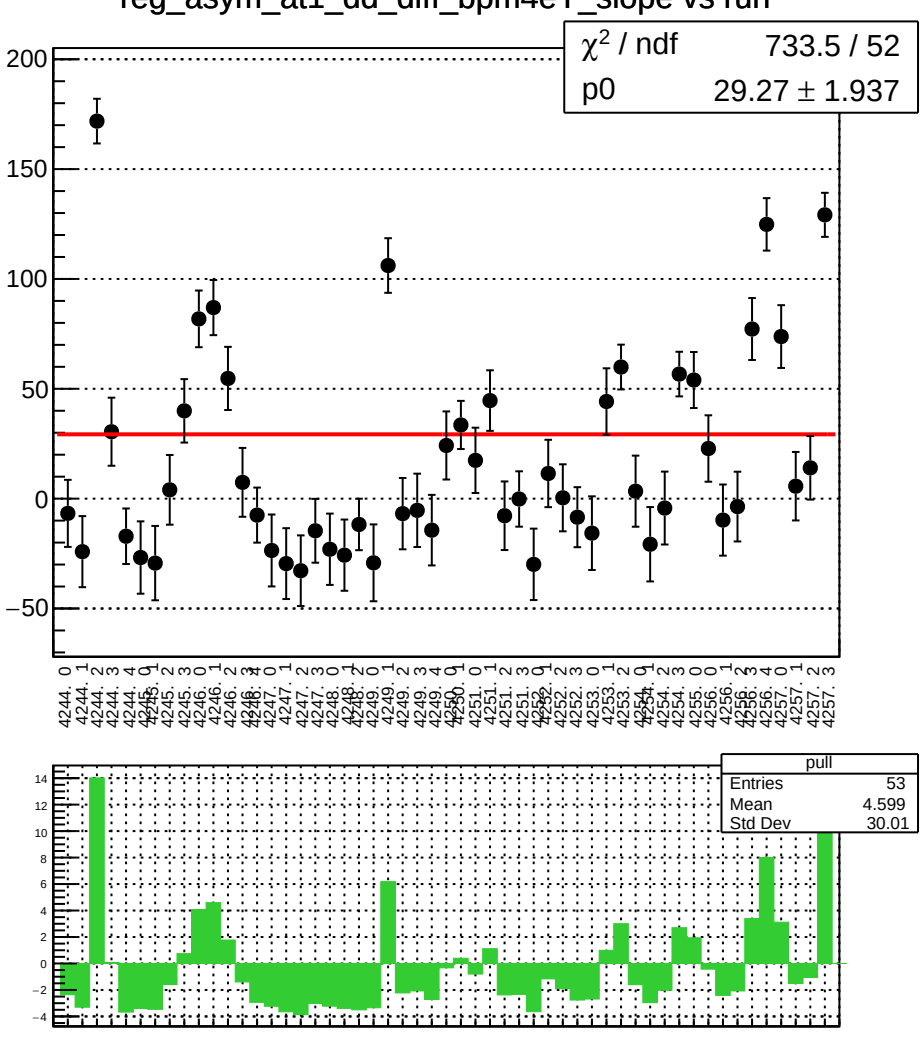

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.3 / 52
p0 50.8 ± 1.548
pull
Entries 53
Mean −117.5
Std Dev 149.5

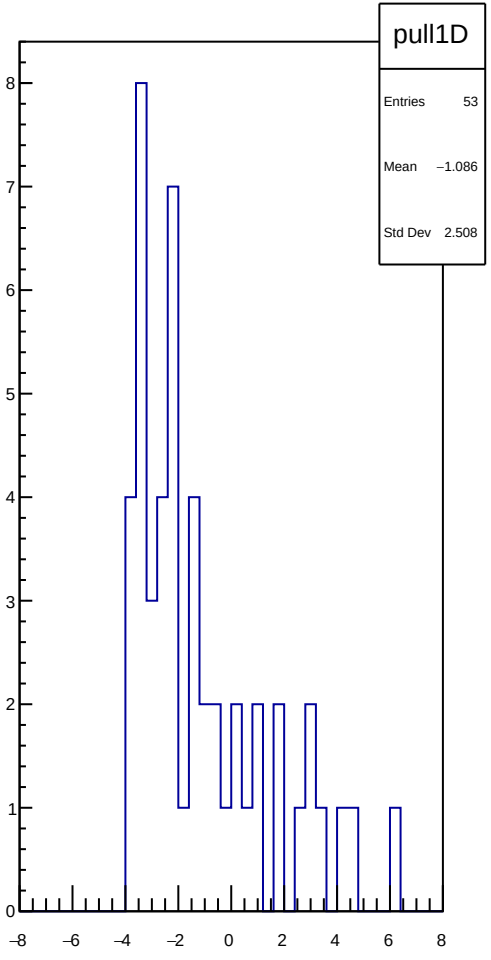

pull1D
Entries 53
Mean −0.01832
Std Dev 0.7805

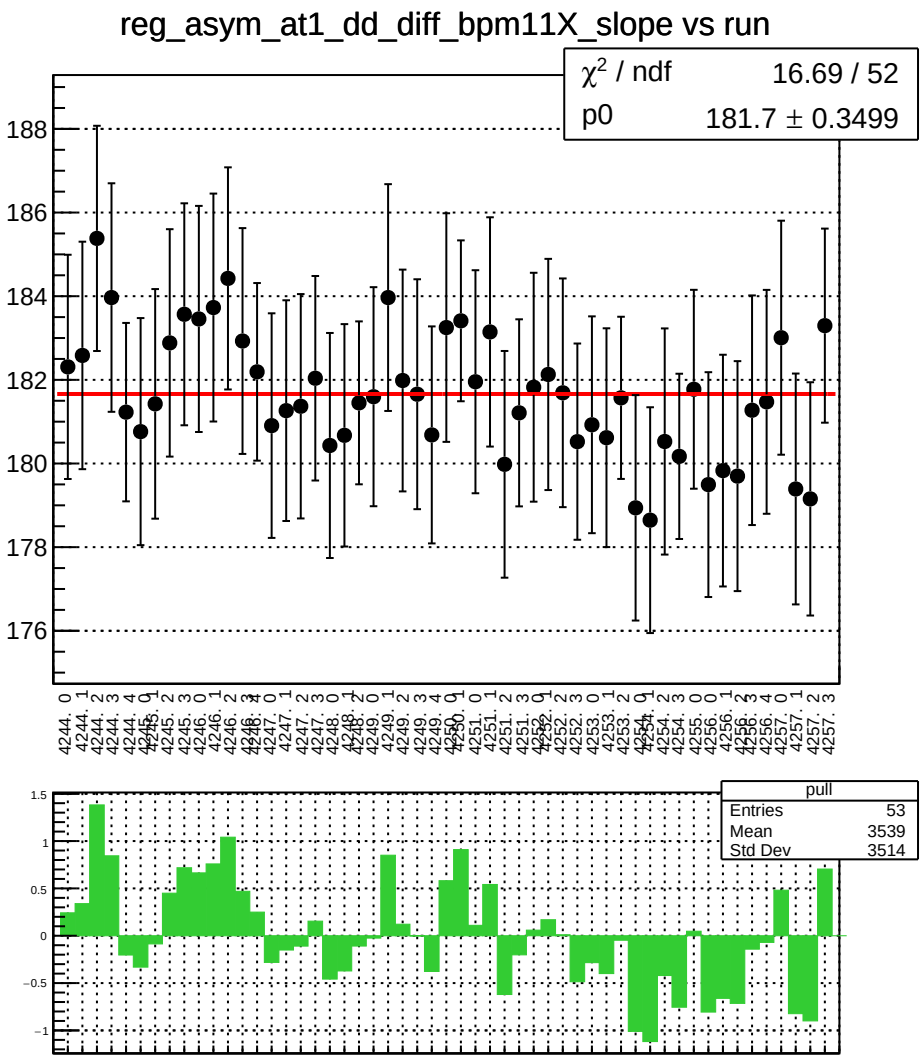

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 710.9 / 52
p0 −43.07 ± 1.174
pull
Entries 53
Mean 3.026
Std Dev 31.54

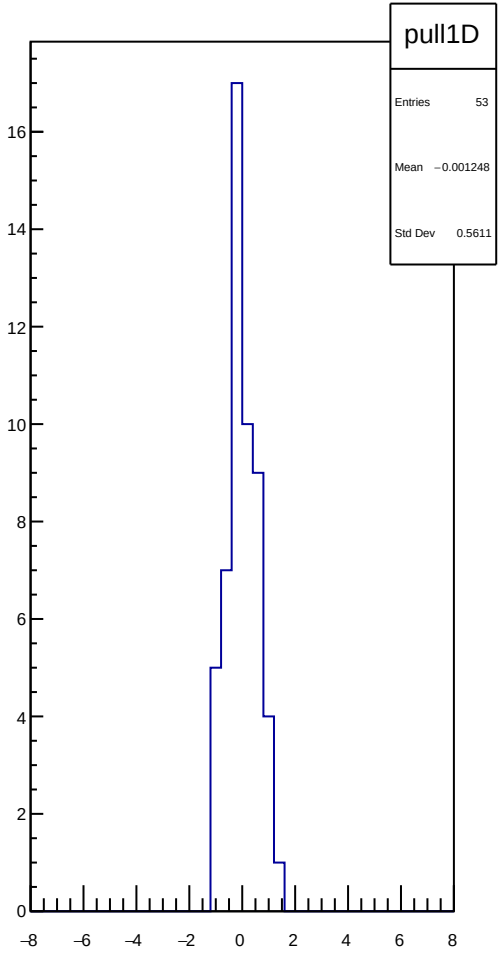

pull1D
Entries 53
Mean 0.8749
Std Dev 2.762

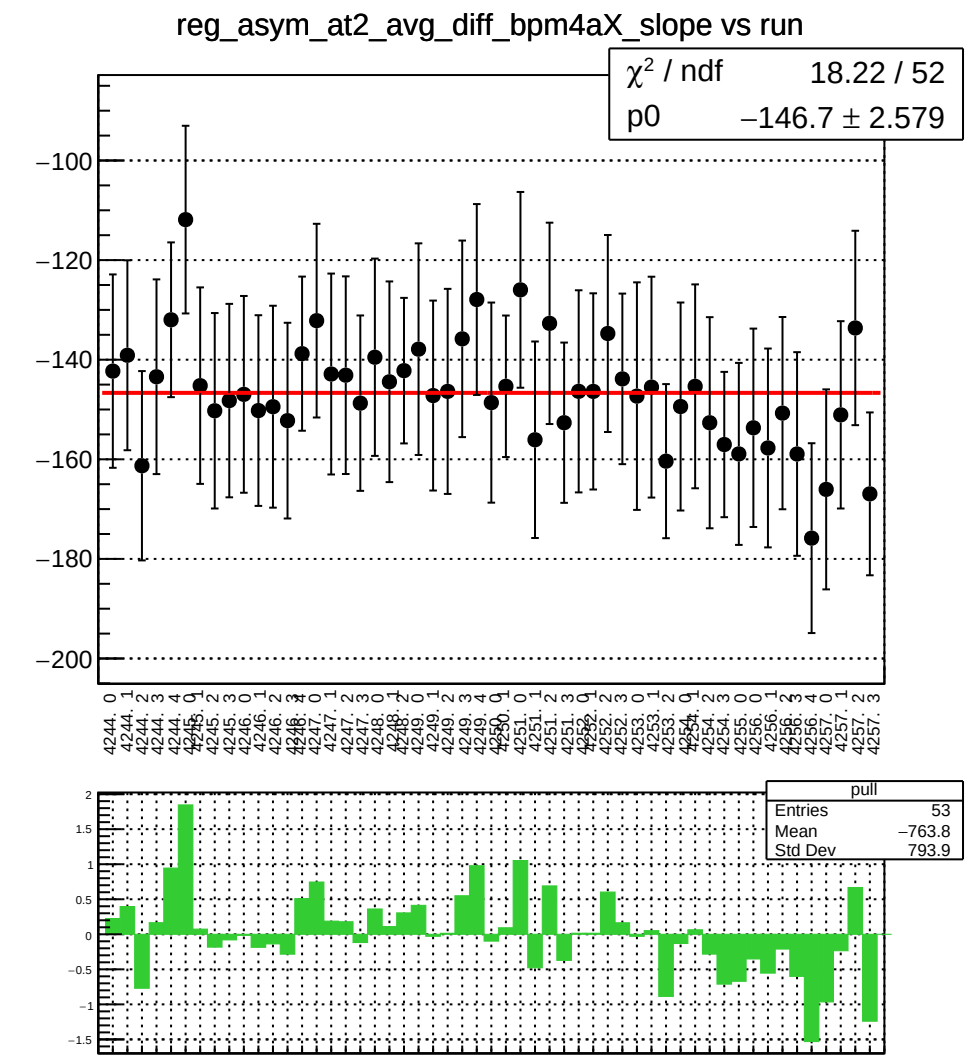

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.863 / 52
p0 169.8 ± 0.2969
174
172
170
168
166
pull
Entries 53
Mean 346.8
Std Dev 321.9
pull1D
Entries 53
Mean 0.007122
Std Dev 0.4089

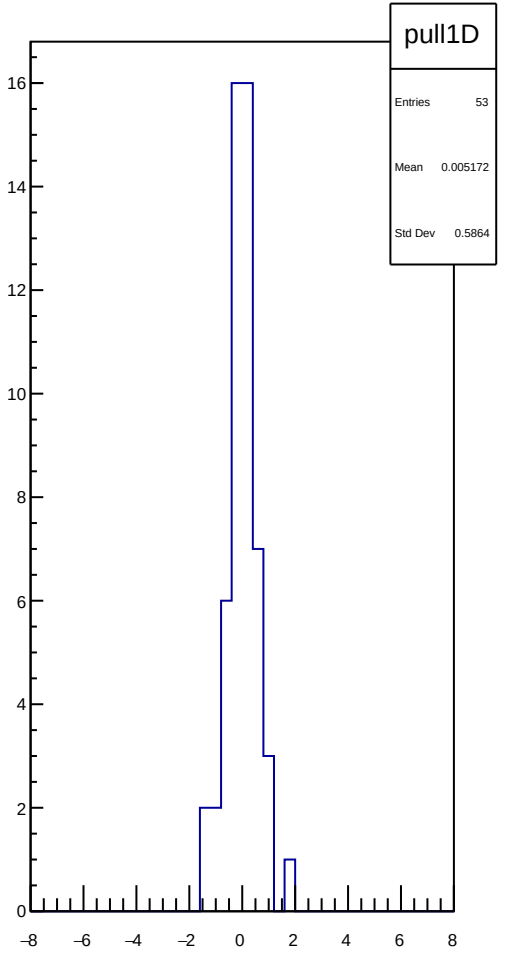

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 733.5 / 52
p0 29.27 ± 1.937
pull
Entries 53
Mean 4.599
Std Dev 30.01

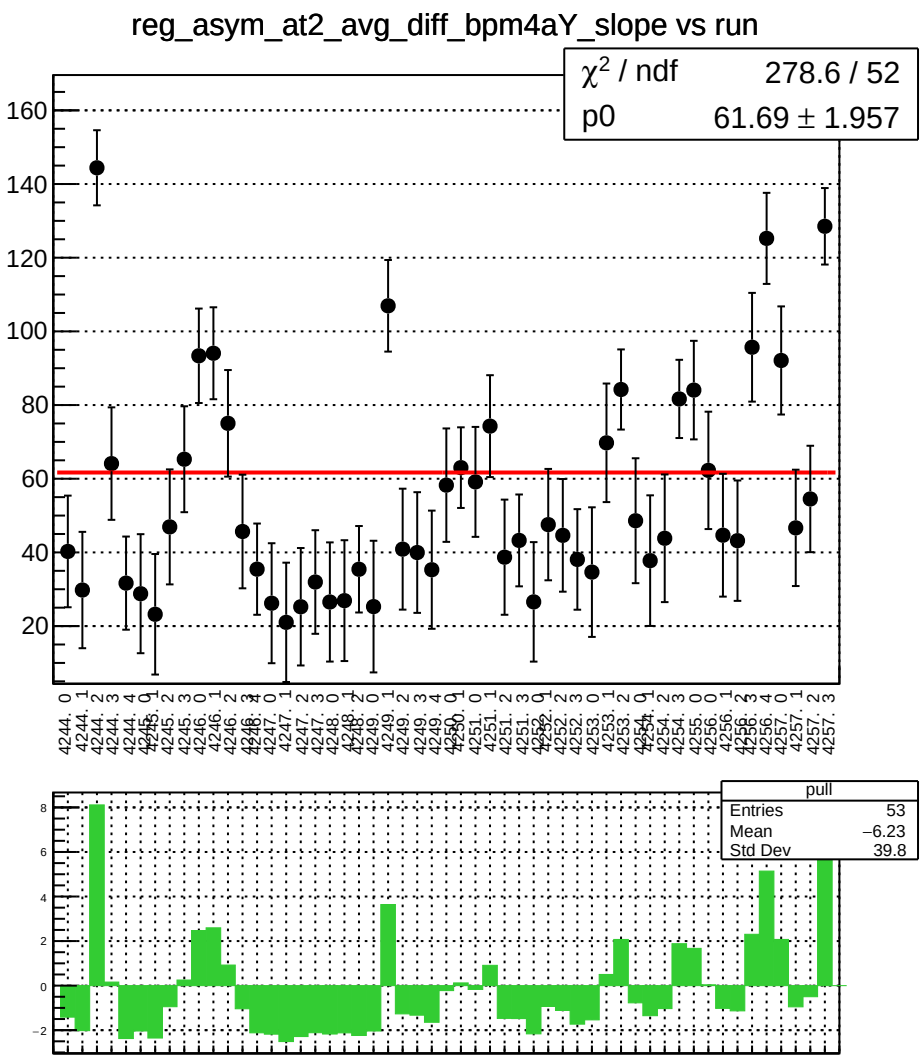

pull1D
Entries 53
Mean −1.086
Std Dev 2.508

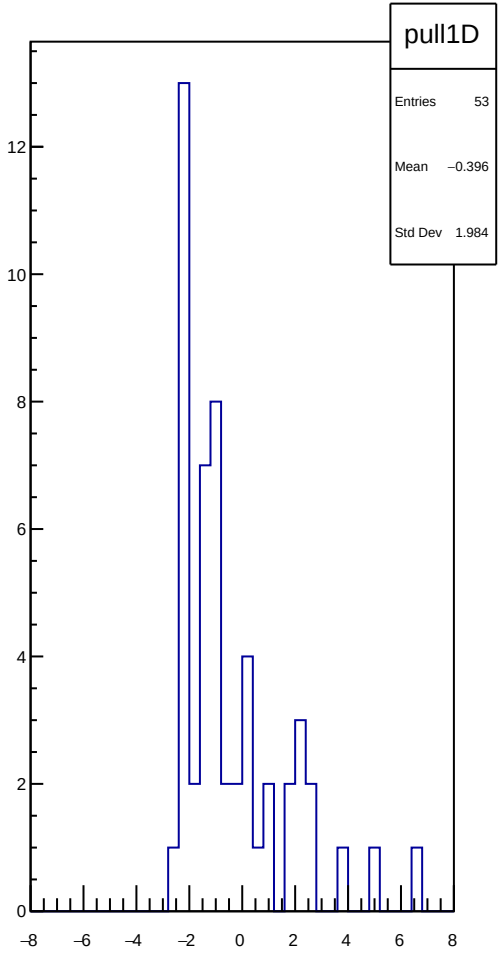

reg_asym_at1_dd_diff_bpm11X_slope vs run
χ² / ndf 16.69 / 52
p0 181.7 ± 0.3499
188
186
184
182
180
178
176
pull
Entries 53
Mean 3539
Std Dev 3514
1.5
1
0.5
0
−0.5
−1

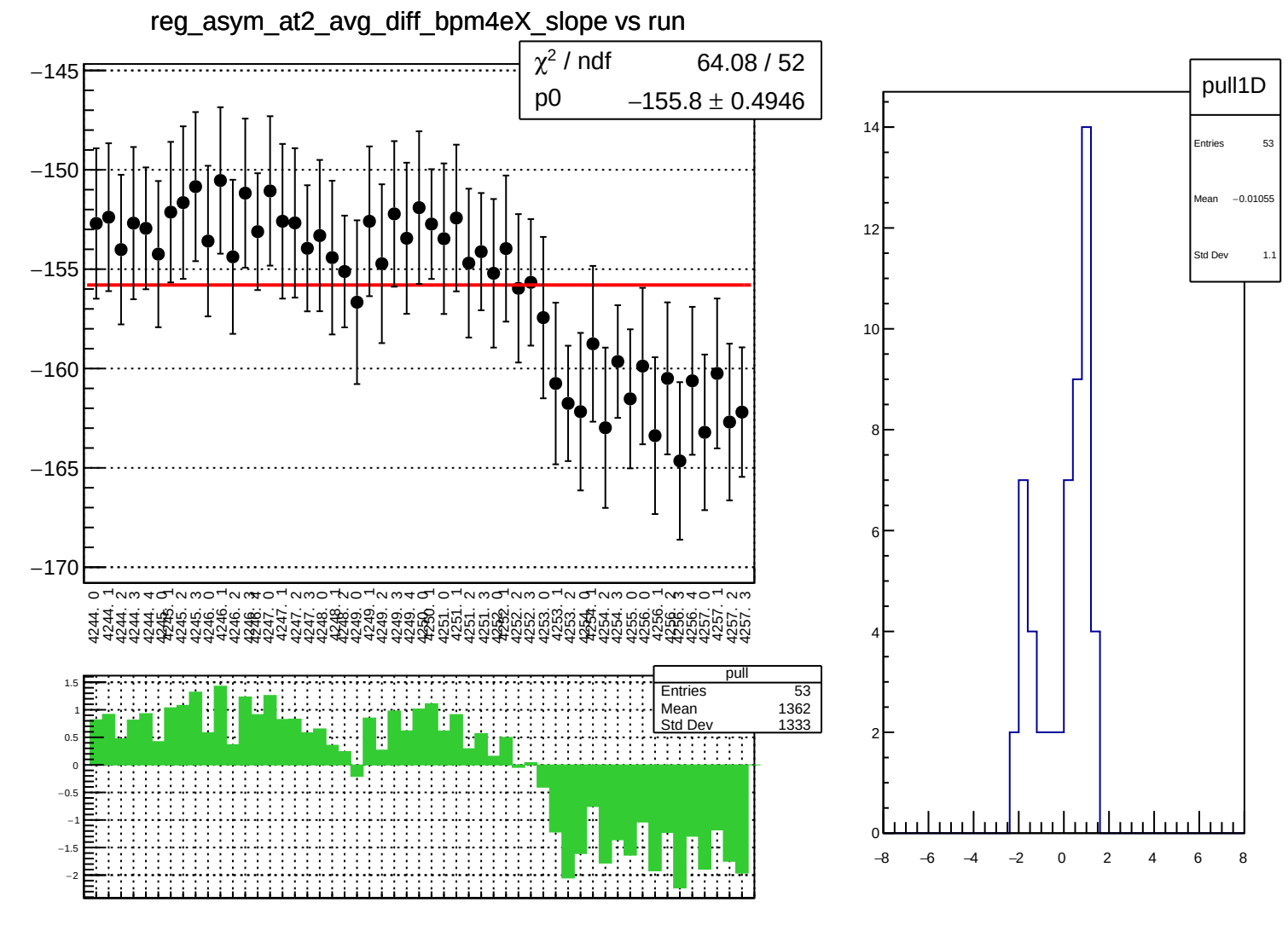

pull1D
Entries 53
Mean −0.001248
Std Dev 0.5611
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

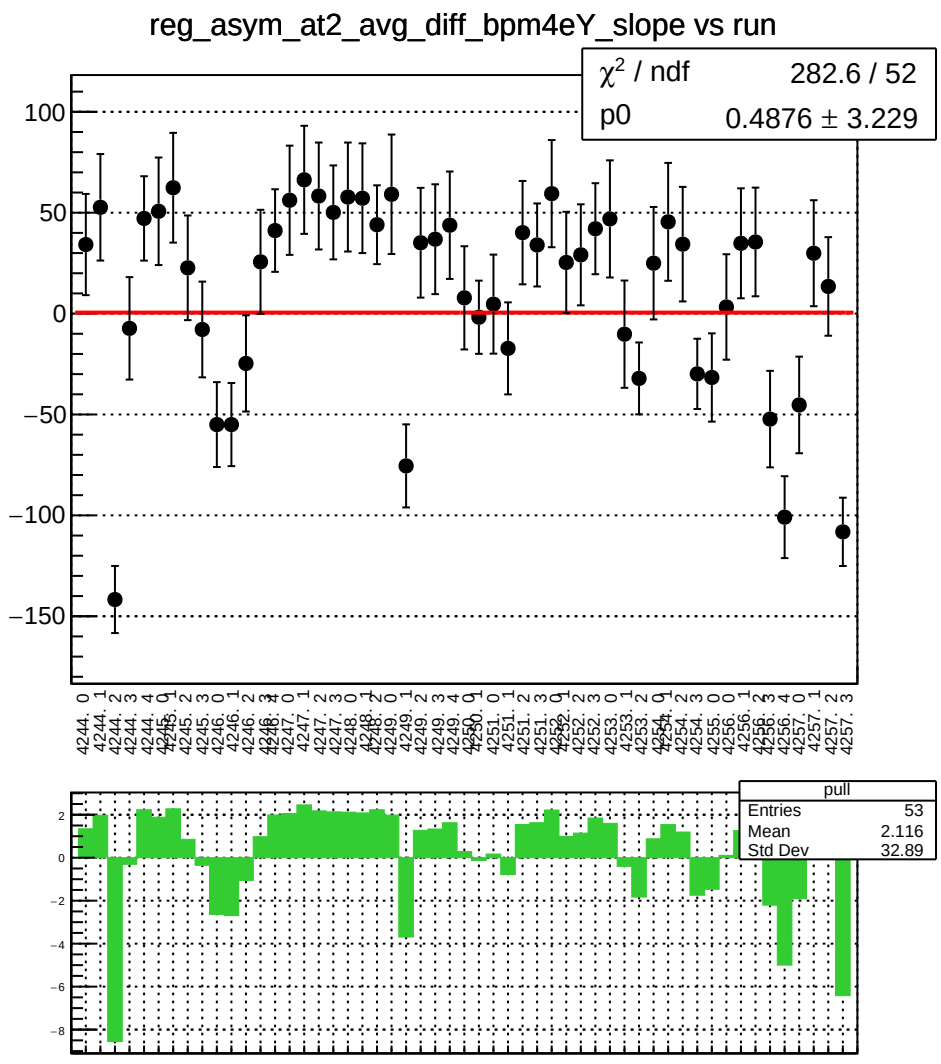

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 18.22 / 52
p0 −146.7 ± 2.579
pull
Entries 53
Mean −763.8
Std Dev 793.9

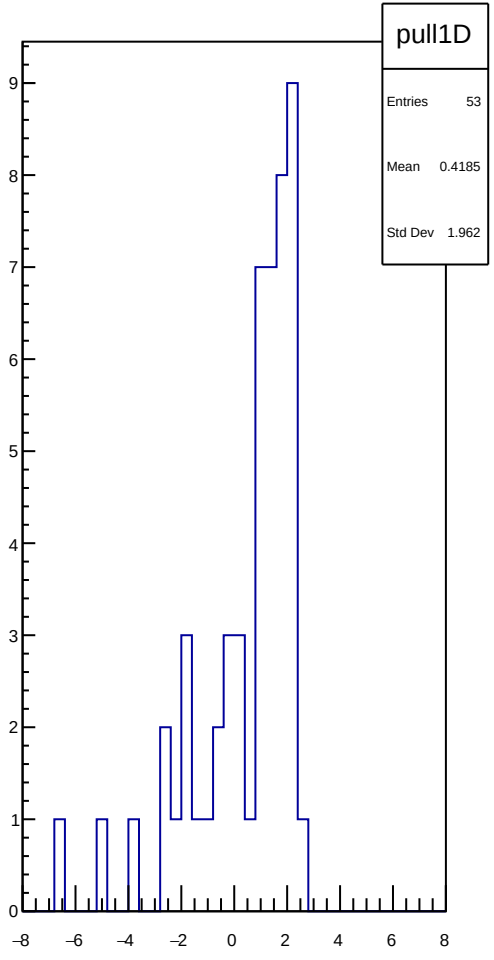

pull1D
Entries 53
Mean 0.005172
Std Dev 0.5864

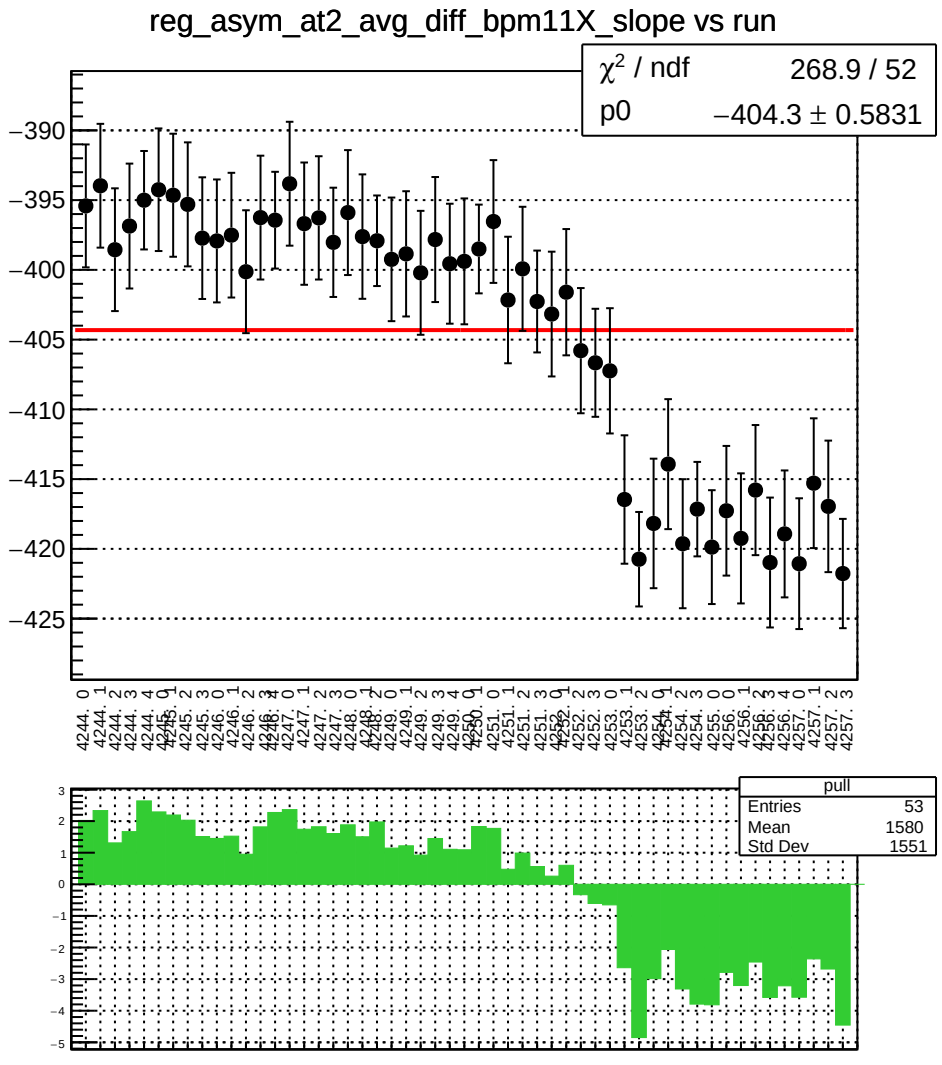

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 278.6 / 52
p0 61.69 ± 1.957
pull
Entries 53
Mean −6.23
Std Dev 39.8

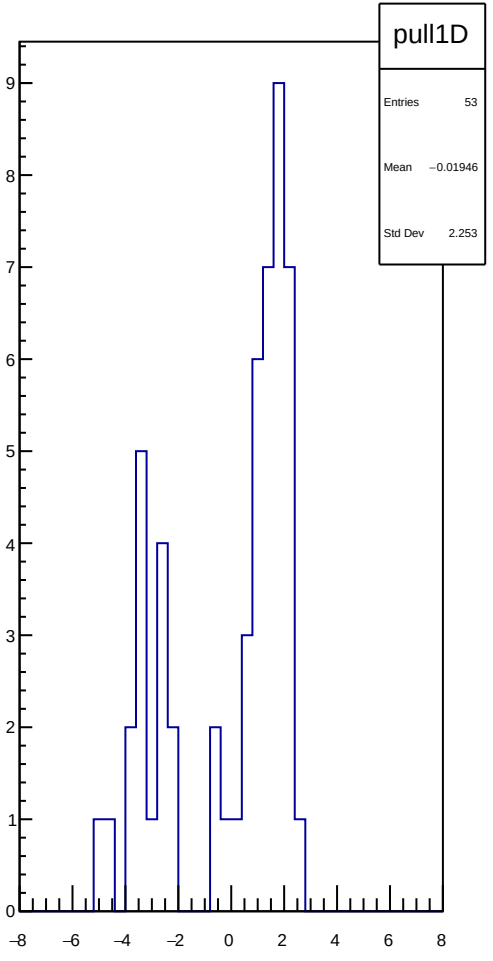

pull1D
Entries 53
Mean −0.396
Std Dev 1.984

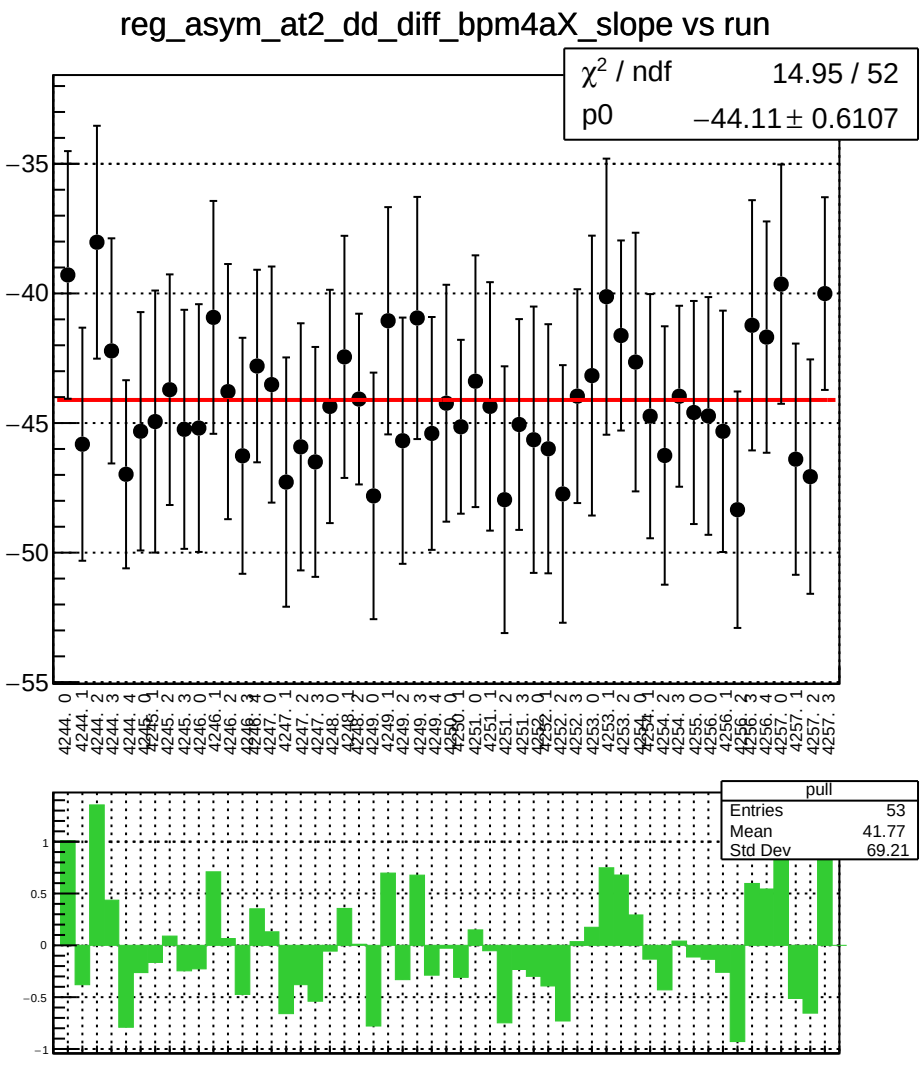

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 64.08 / 52
p0 −155.8 ± 0.4946
pull
Entries 53
Mean 1362
Std Dev 1333
pull1D
Entries 53
Mean −0.01055
Std Dev 1.1

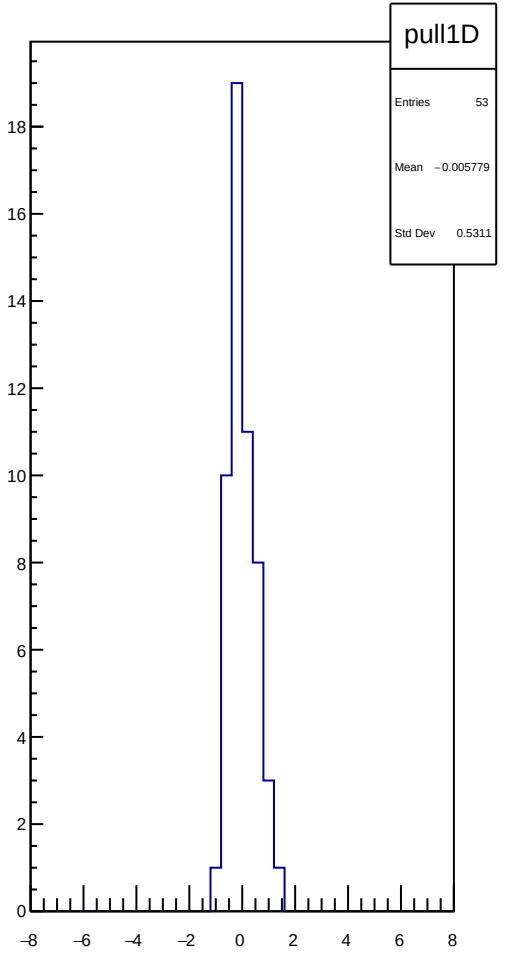

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 282.6 / 52
p0 0.4876 ± 3.229
pull
Entries 53
Mean 2.116
Std Dev 32.89

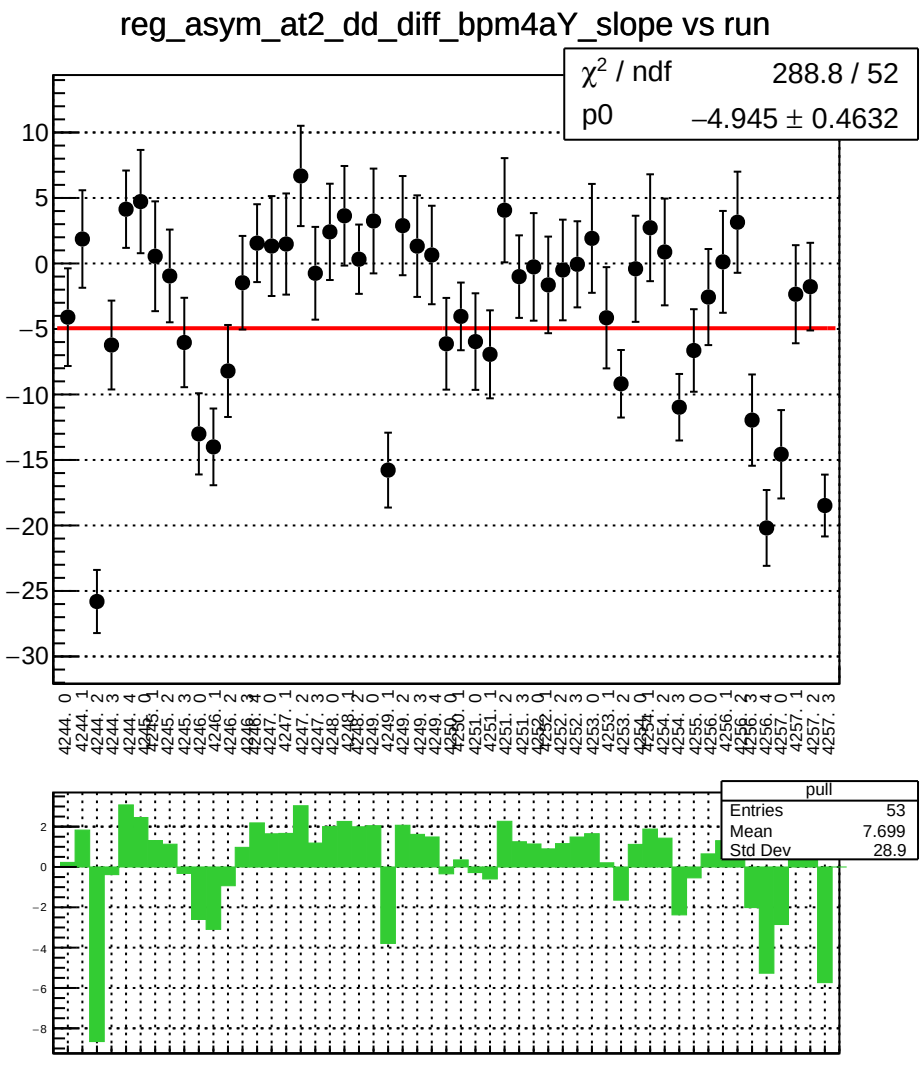

pull1D
Entries 53
Mean 0.4185
Std Dev 1.962

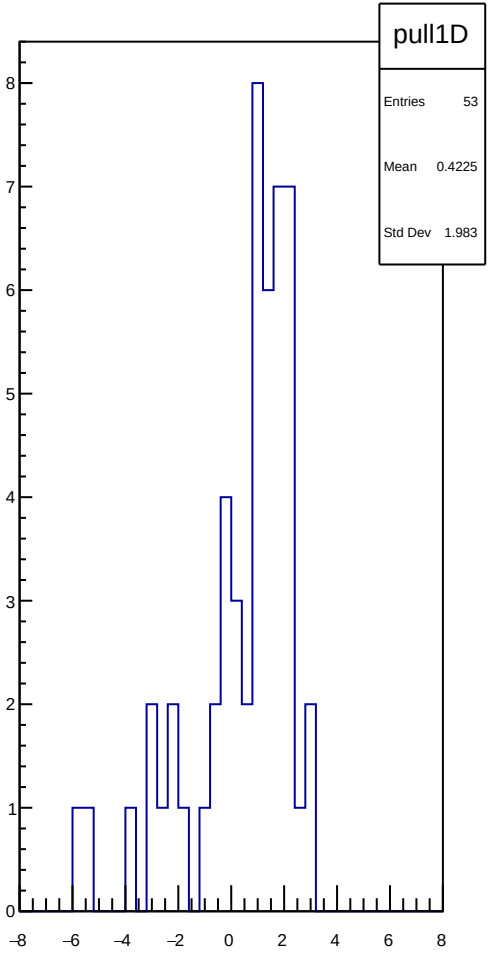

reg_asym_at2_avg_diff_bpm11X_slope vs run
χ² / ndf 268.9 / 52
p0 −404.3 ± 0.5831
pull
Entries 53
Mean 1580
Std Dev 1551

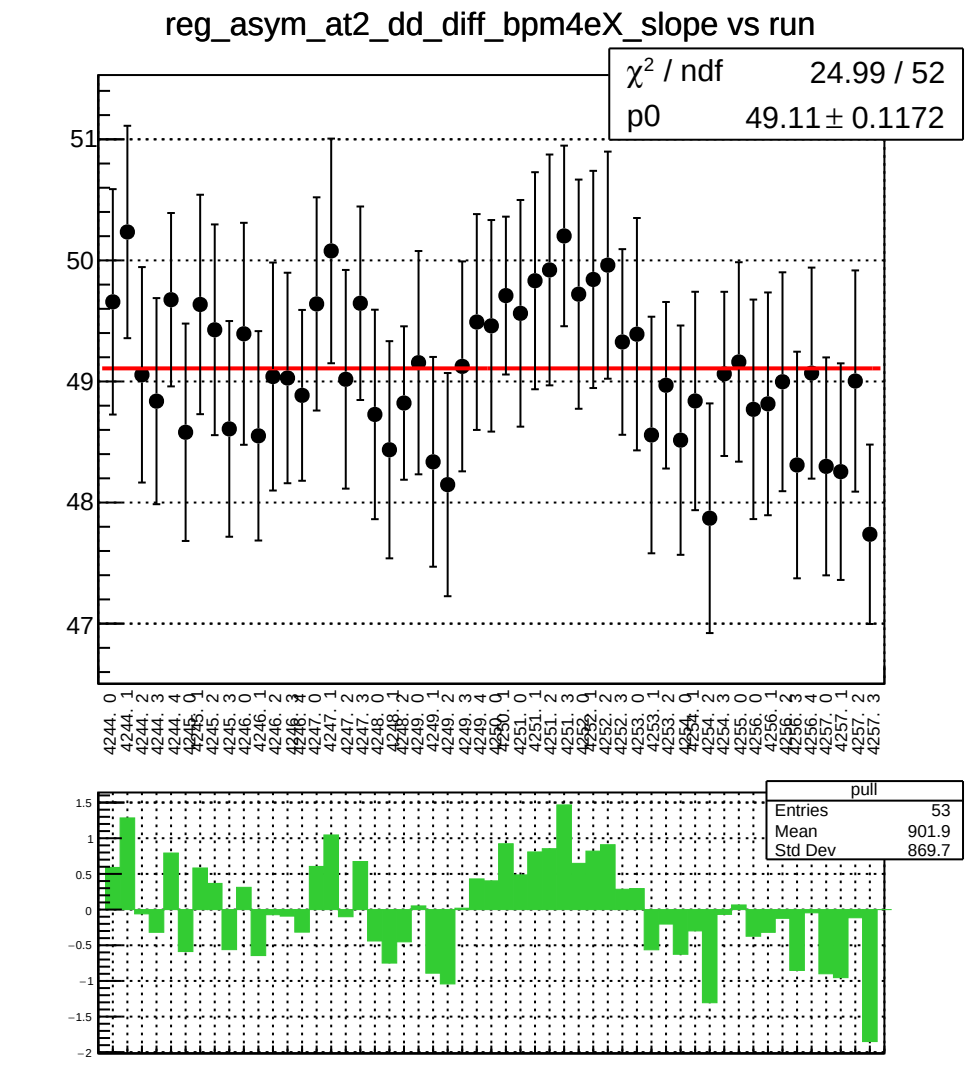

pull1D
Entries 53
Mean −0.01946
Std Dev 2.253

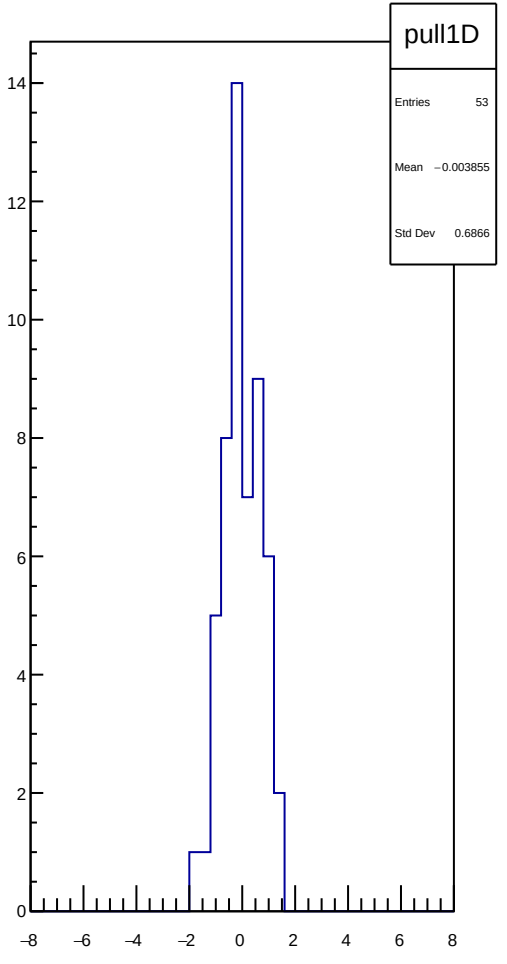

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.95 / 52
p0 −44.11 ± 0.6107
pull
Entries 53
Mean 41.77
Std Dev 69.21

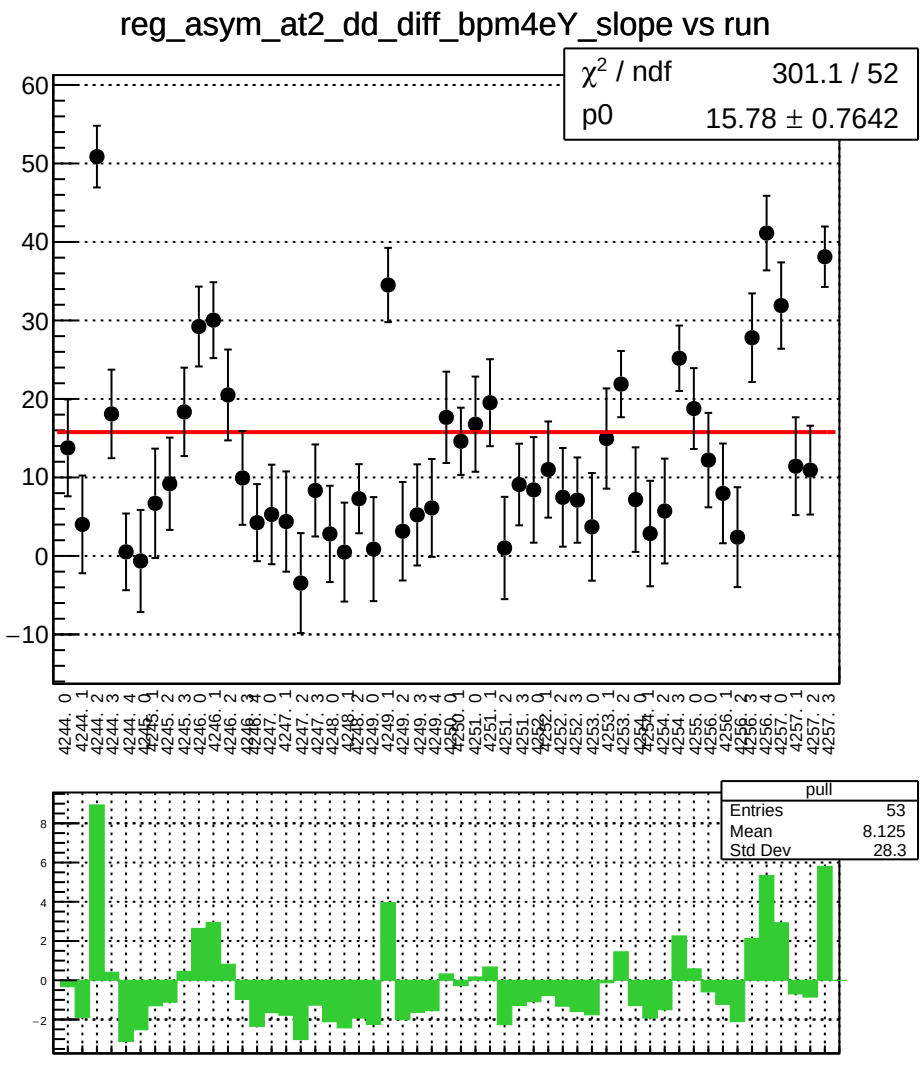

pull1D
Entries 53
Mean −0.005779
Std Dev 0.5311

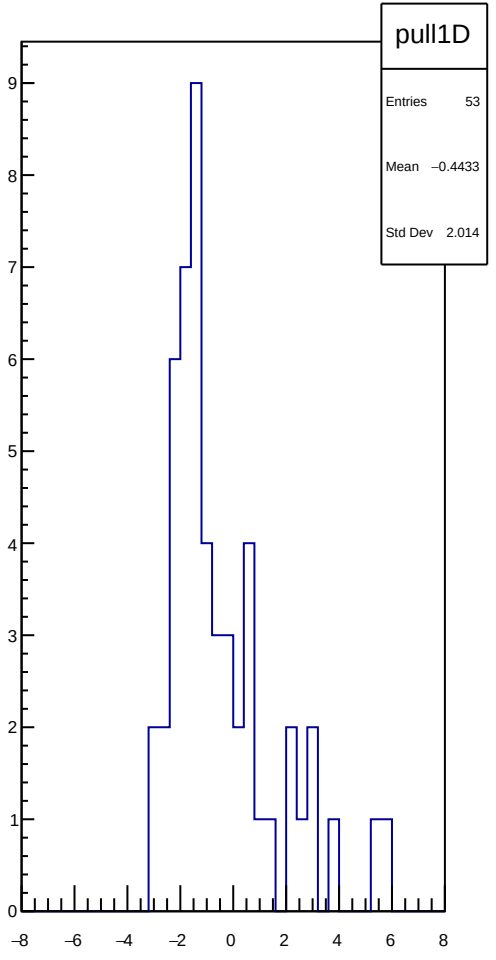

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 288.8 / 52
p0 −4.945 ± 0.4632
pull
Entries 53
Mean 7.699
Std Dev 28.9

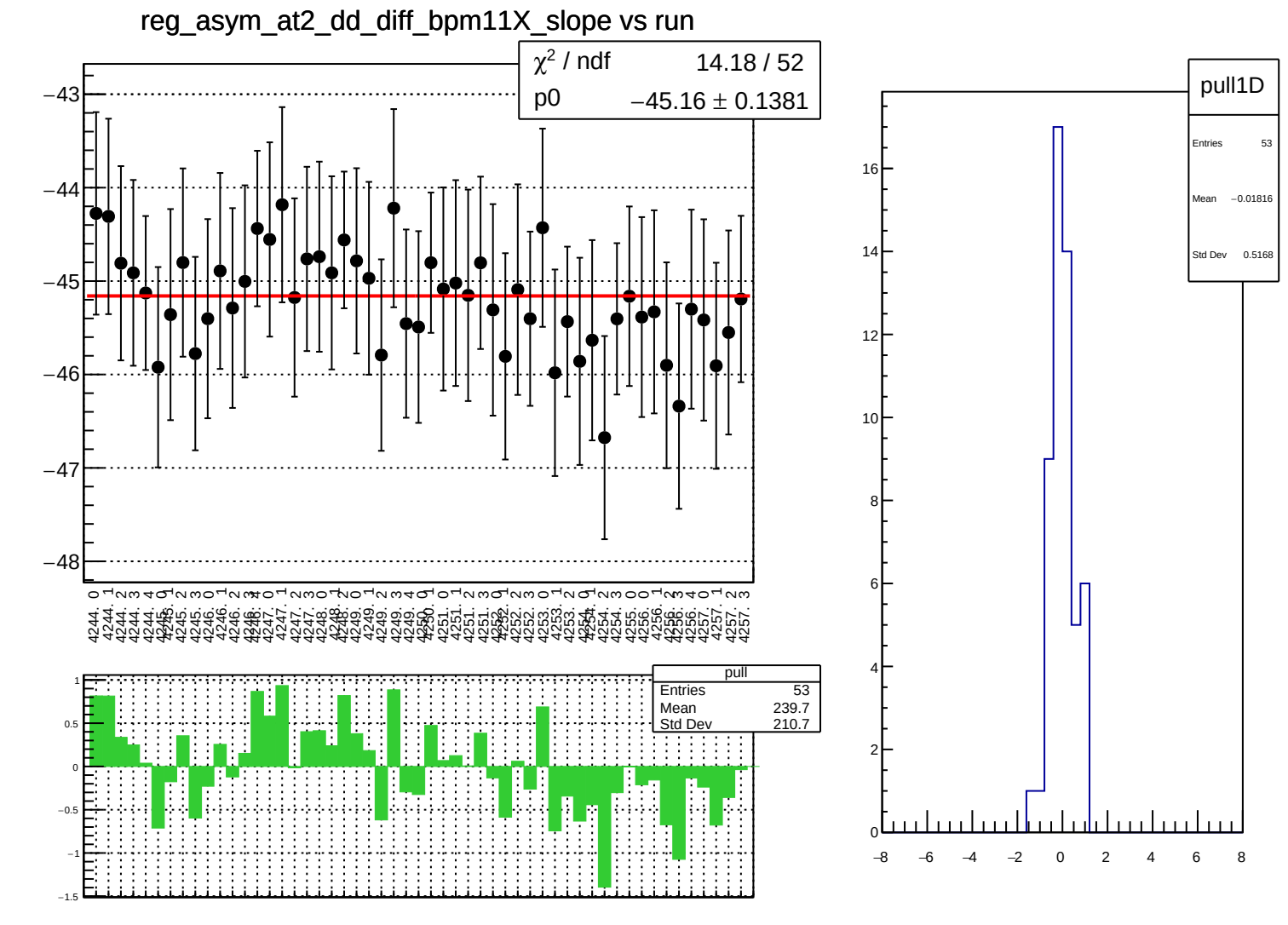

pull1D
Entries 53
Mean 0.4225
Std Dev 1.983

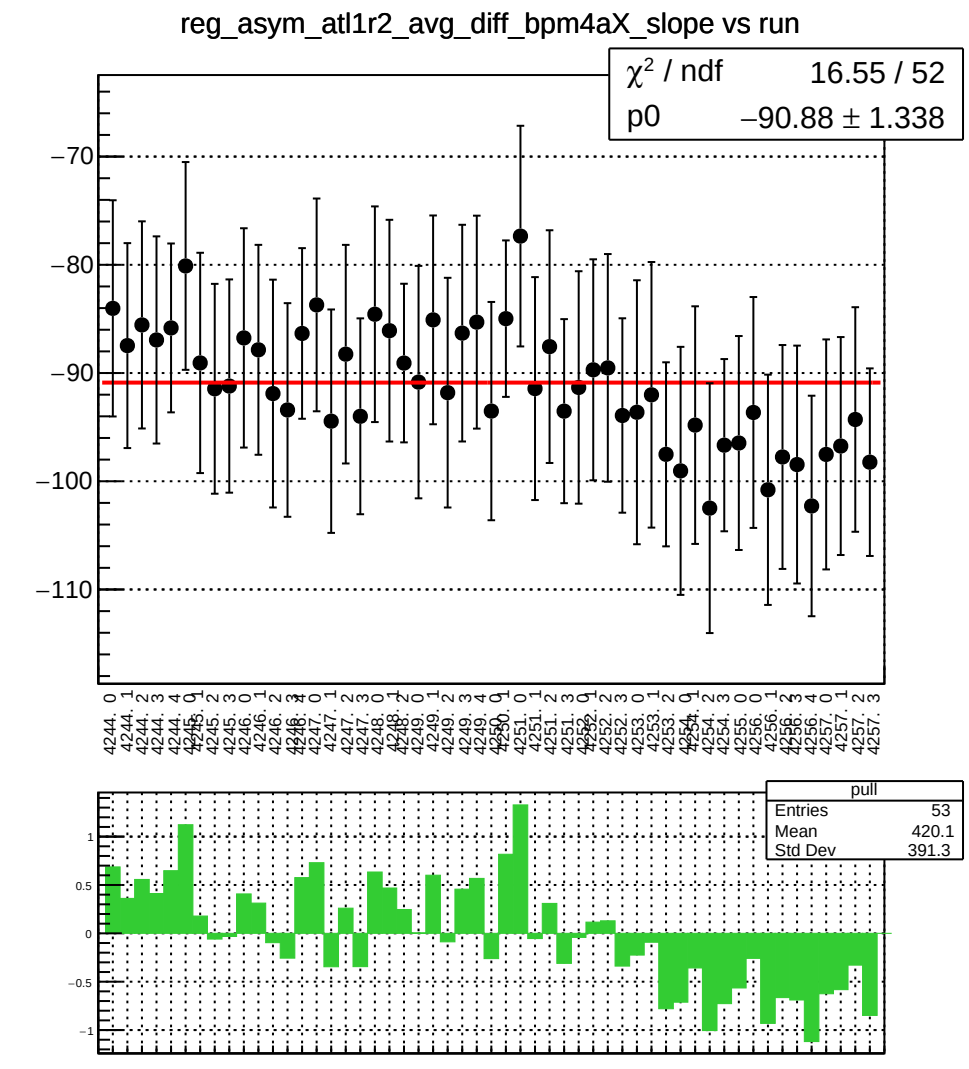

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.99 / 52
p0 49.11 ± 0.1172
51
50
49
48
47
pull
Entries 53
Mean 901.9
Std Dev 869.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

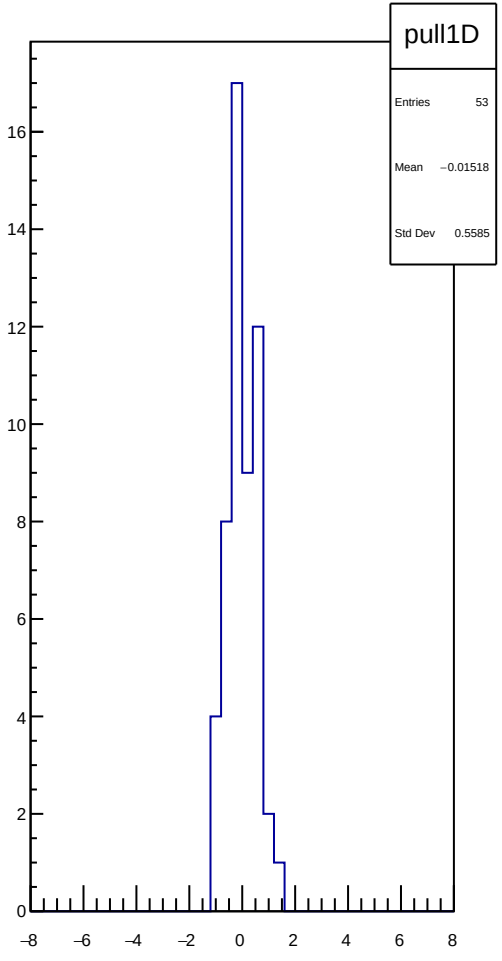

pull1D
Entries 53
Mean −0.003855
Std Dev 0.6866
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

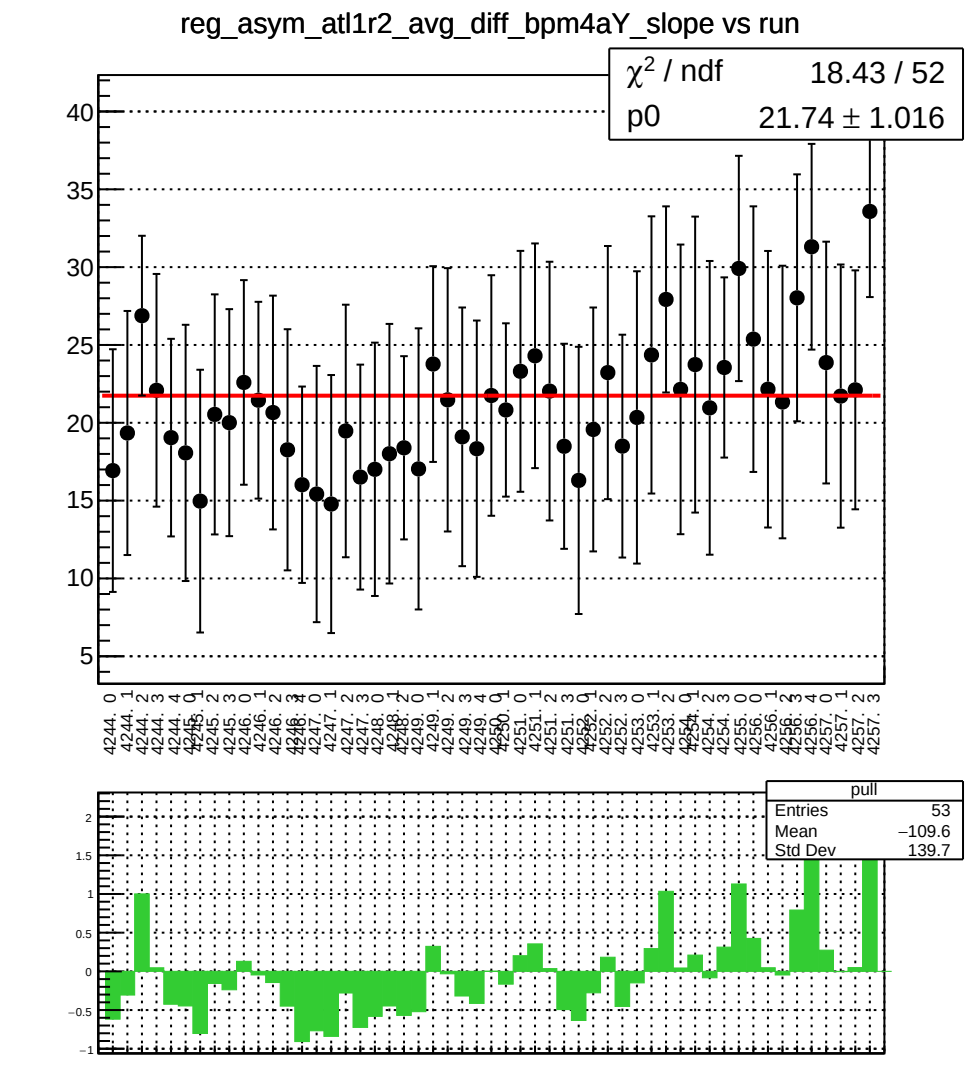

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 301.1 / 52
p0 15.78 ± 0.7642
pull
Entries 53
Mean 8.125
Std Dev 28.3

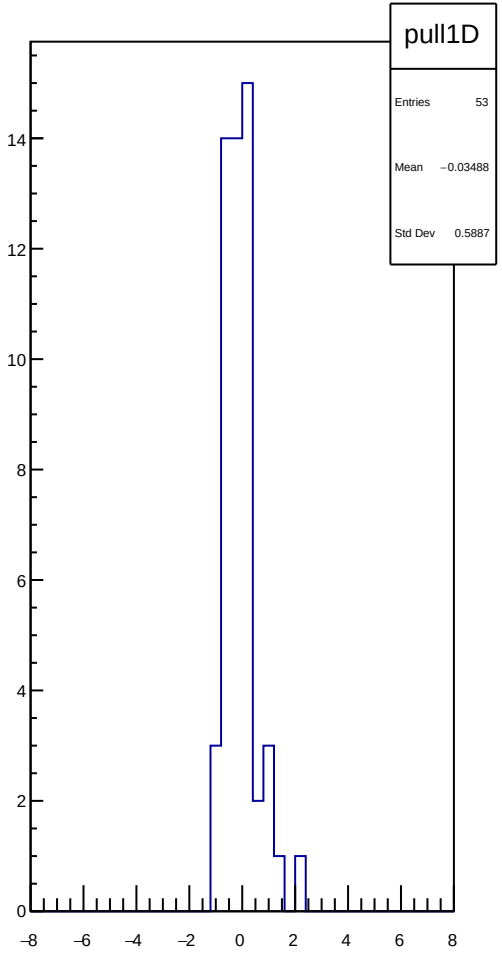

pull1D
Entries 53
Mean −0.4433
Std Dev 2.014

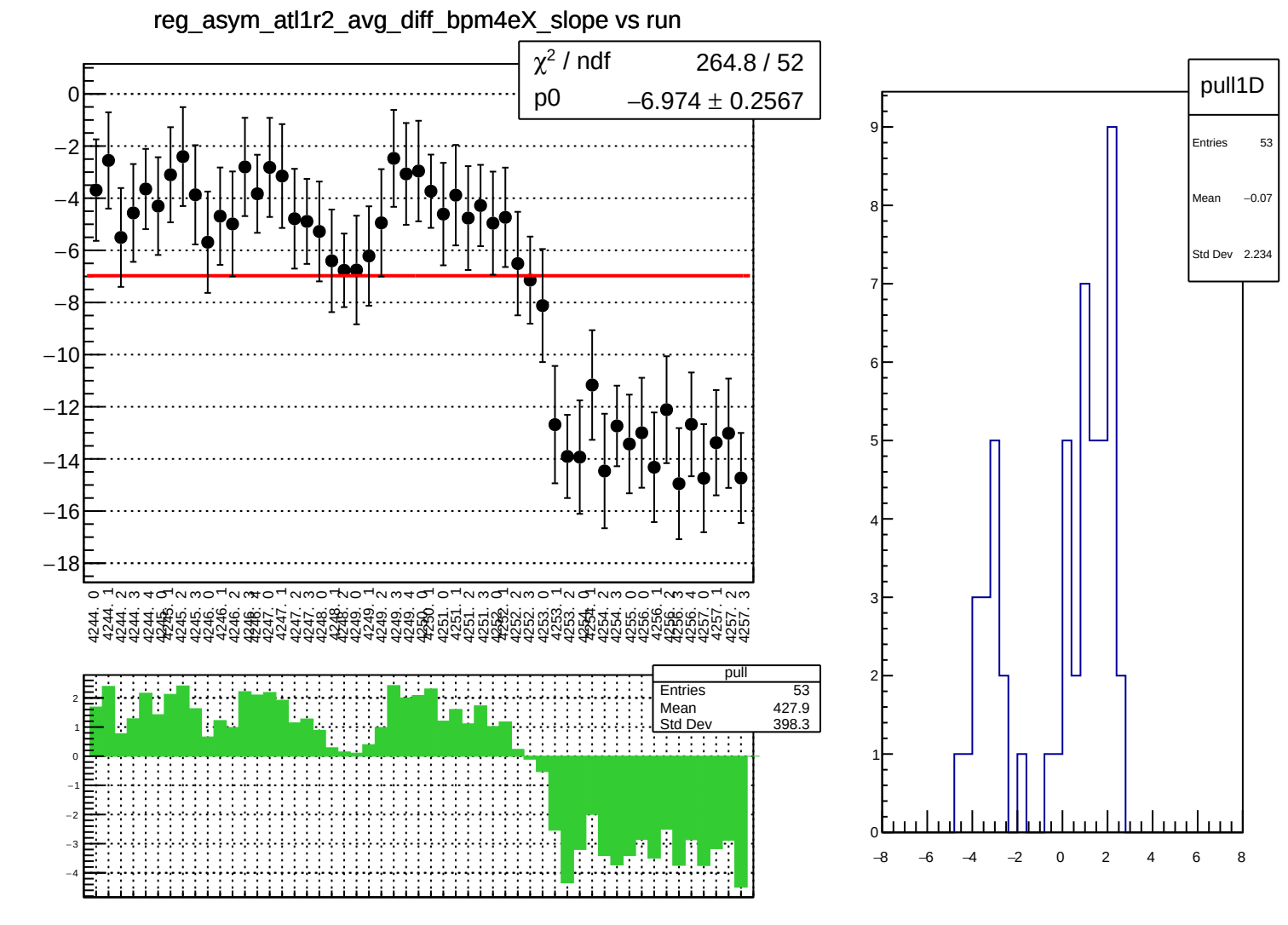

reg_asym_at2_dd_diff_bpm11X_slope vs run
χ² / ndf 14.18 / 52
p0 −45.16 ± 0.1381
pull
Entries 53
Mean 239.7
Std Dev 210.7
pull1D
Entries 53
Mean −0.01816
Std Dev 0.5168

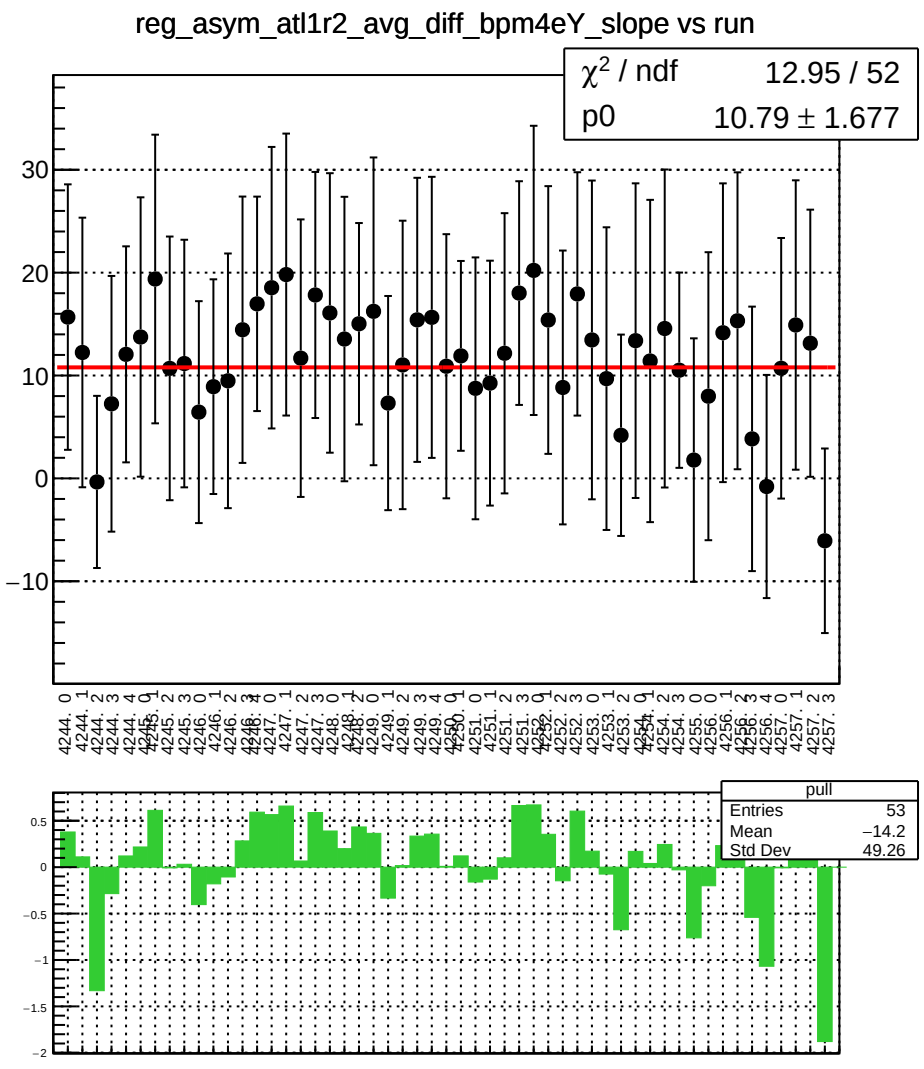

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 16.55 / 52
p0 −90.88 ± 1.338
pull
Entries 53
Mean 420.1
Std Dev 391.3

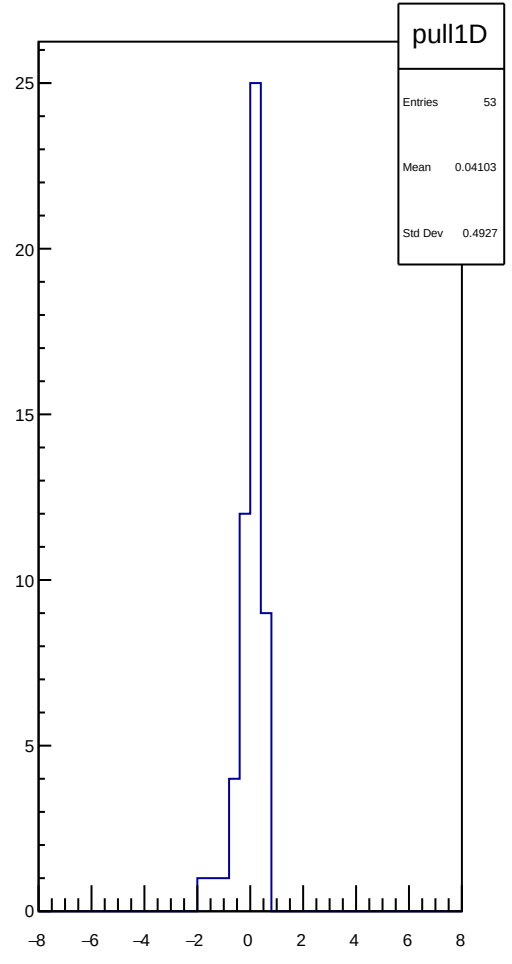

pull1D
Entries 53
Mean −0.01518
Std Dev 0.5585

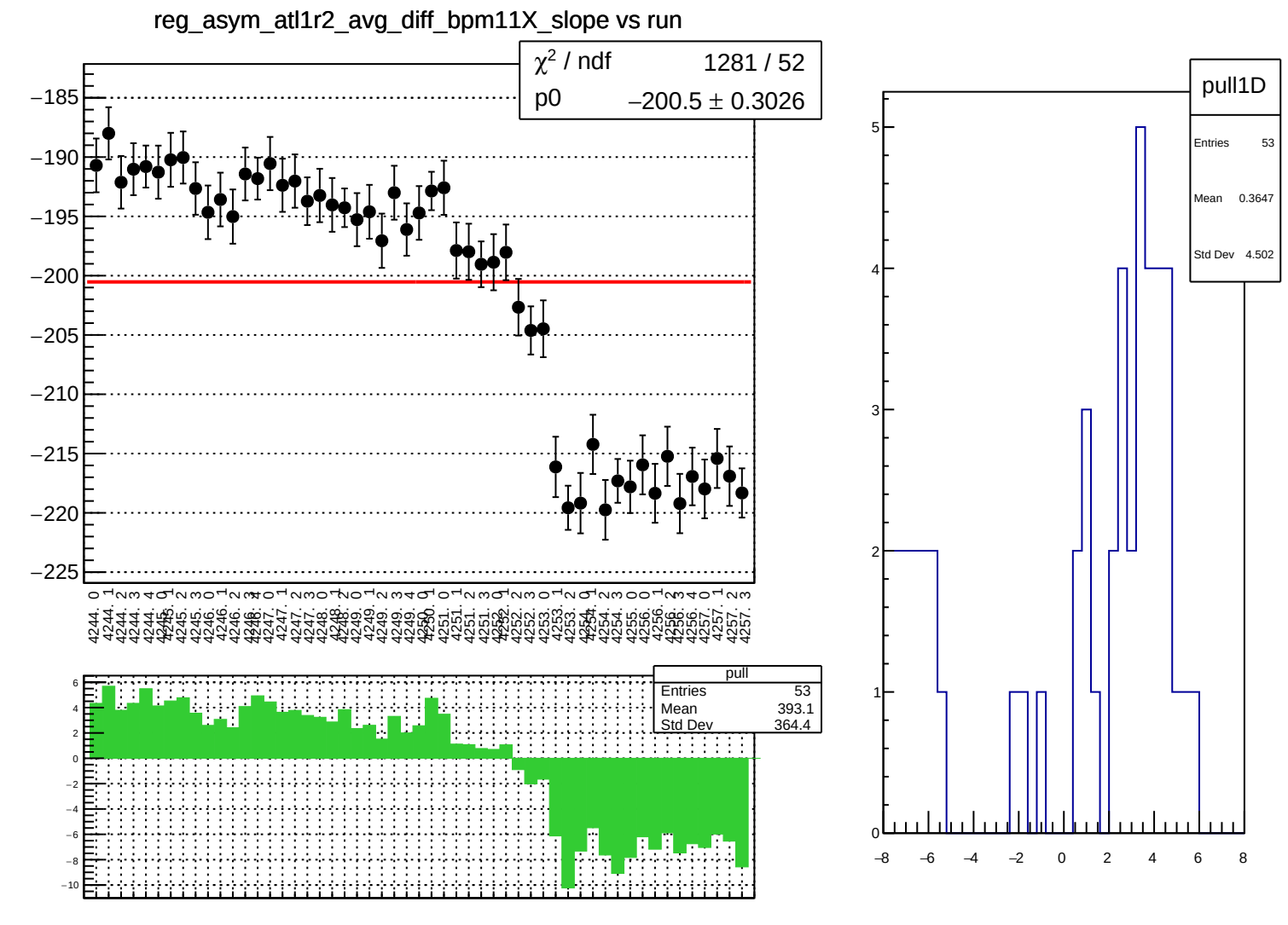

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.43 / 52
p0 21.74 ± 1.016
pull
Entries 53
Mean −109.6
Std Dev 139.7

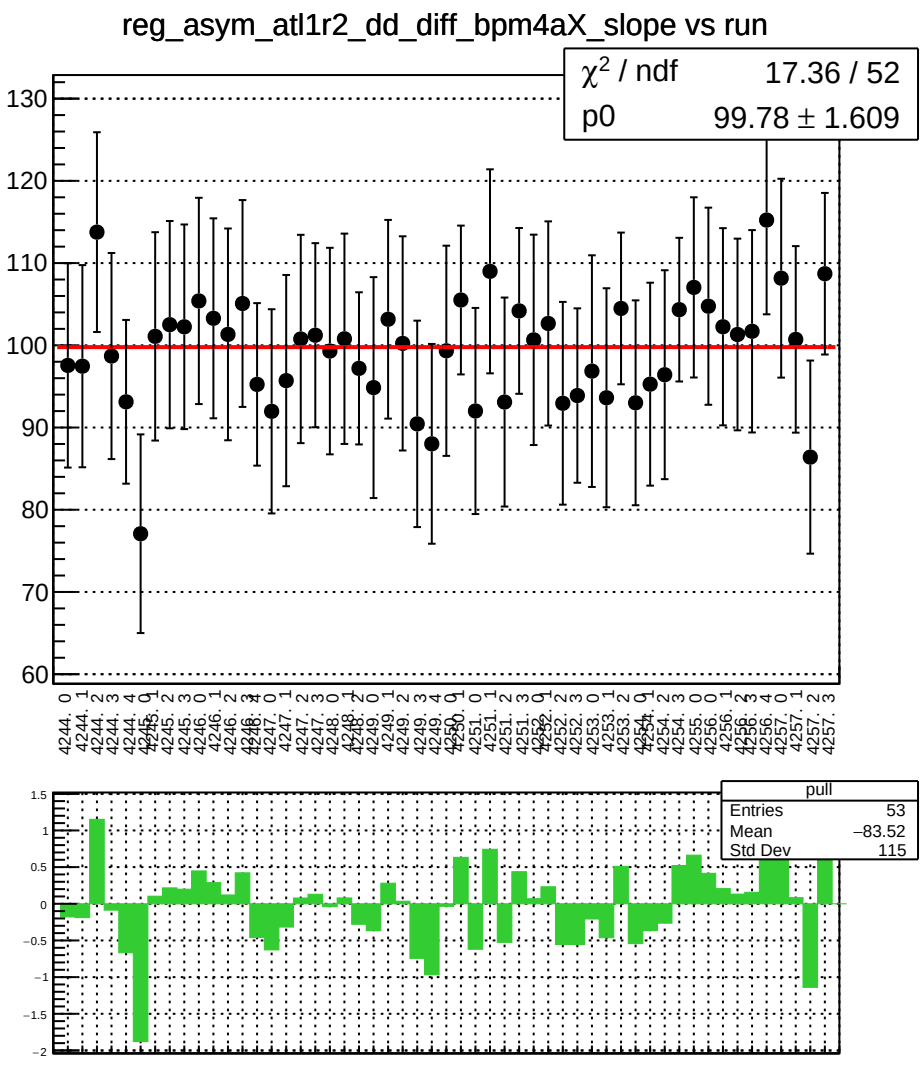

pull1D
Entries 53
Mean −0.03488
Std Dev 0.5887

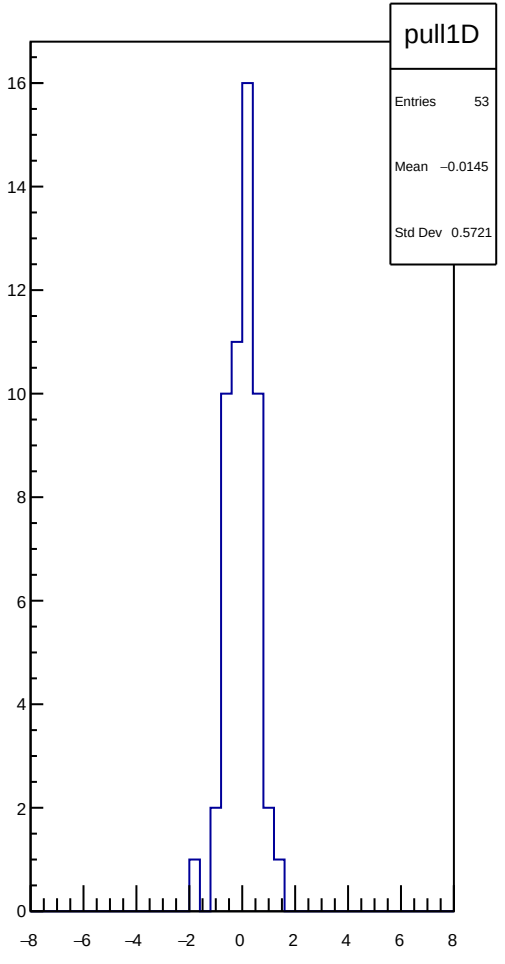

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 264.8 / 52
p0 −6.974 ± 0.2567
pull
Entries 53
Mean 427.9
Std Dev 398.3
pull1D
Entries 53
Mean −0.07
Std Dev 2.234

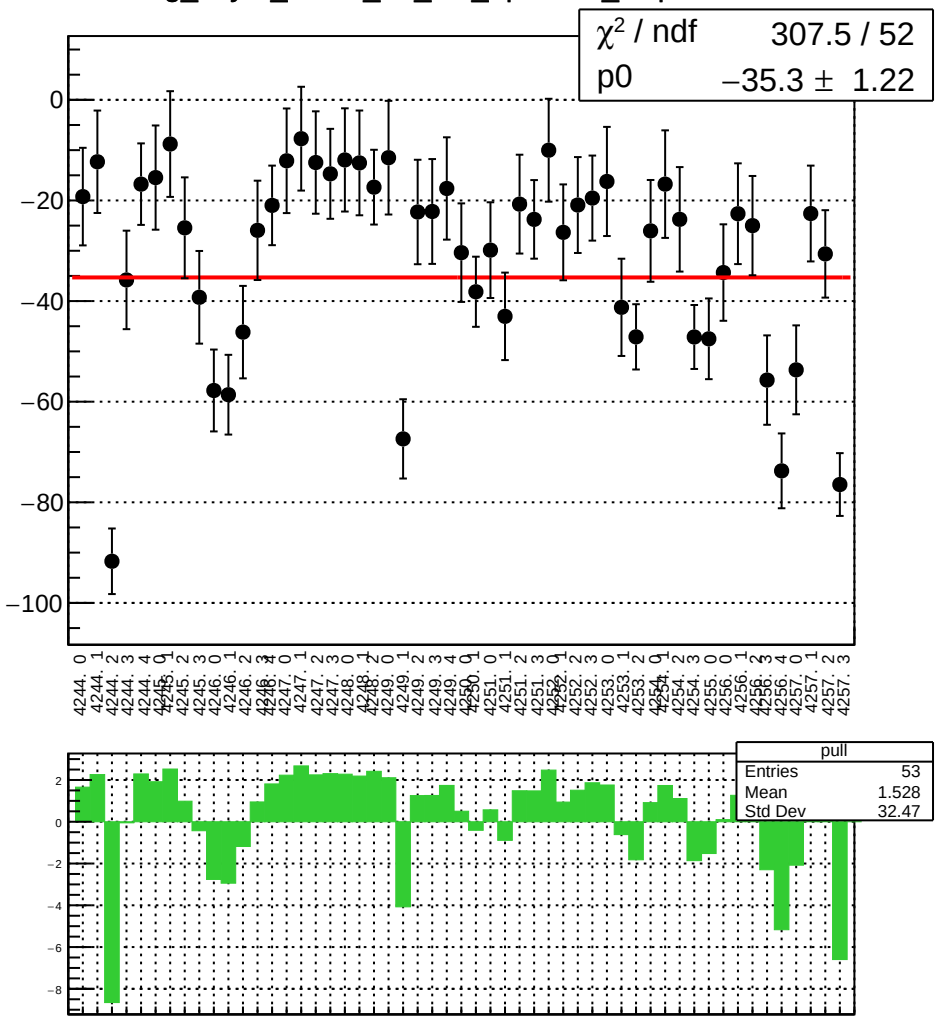

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.95 / 52
p0 10.79 ± 1.677
pull
Entries 53
Mean −14.2
Std Dev 49.26

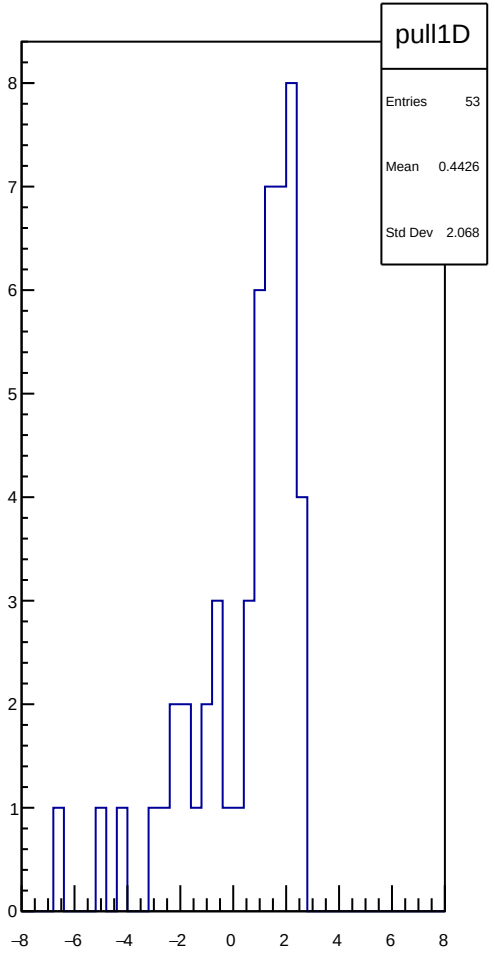

pull1D
Entries 53
Mean 0.04103
Std Dev 0.4927

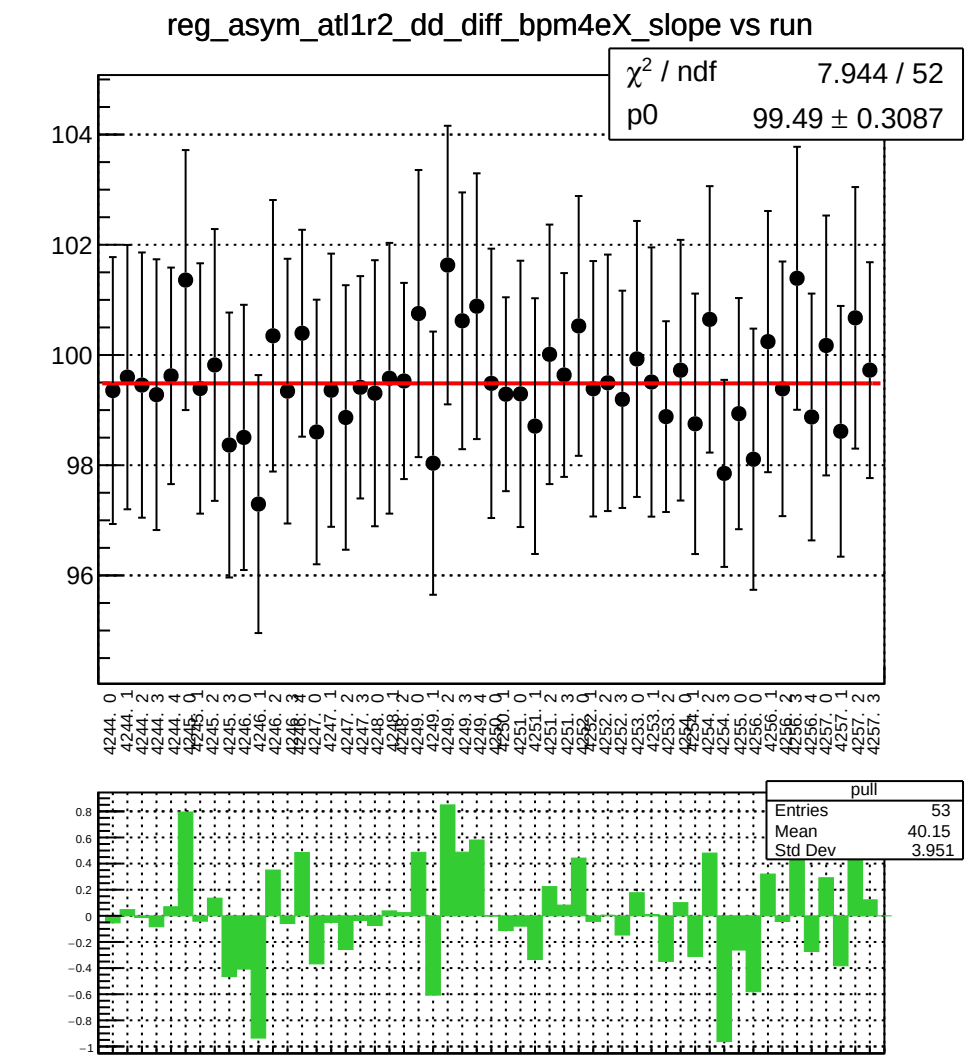

reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ² / ndf 1281 / 52
p0 −200.5 ± 0.3026
pull
Entries 53
Mean 393.1
Std Dev 364.4
pull1D
Entries 53
Mean 0.3647
Std Dev 4.502

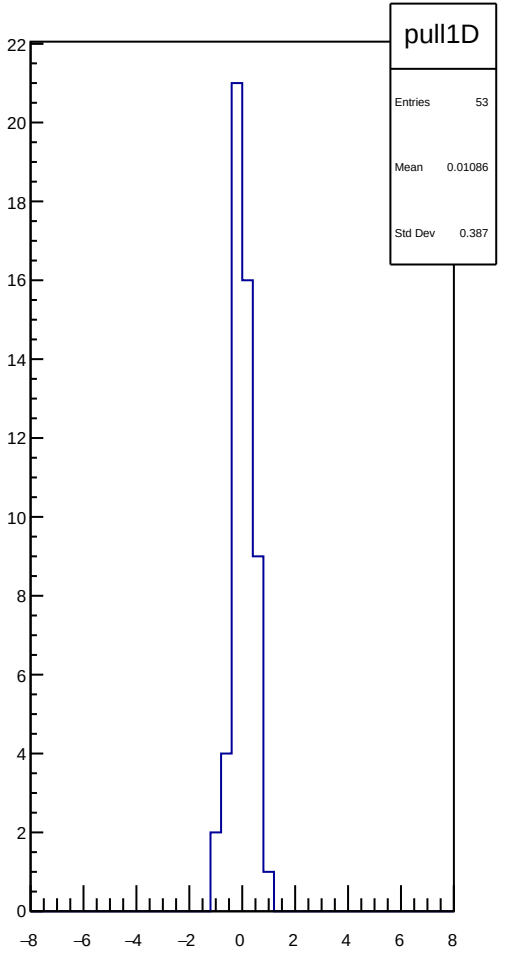

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 17.36 / 52
p0 99.78 ± 1.609
pull
Entries 53
Mean −83.52
Std Dev 115

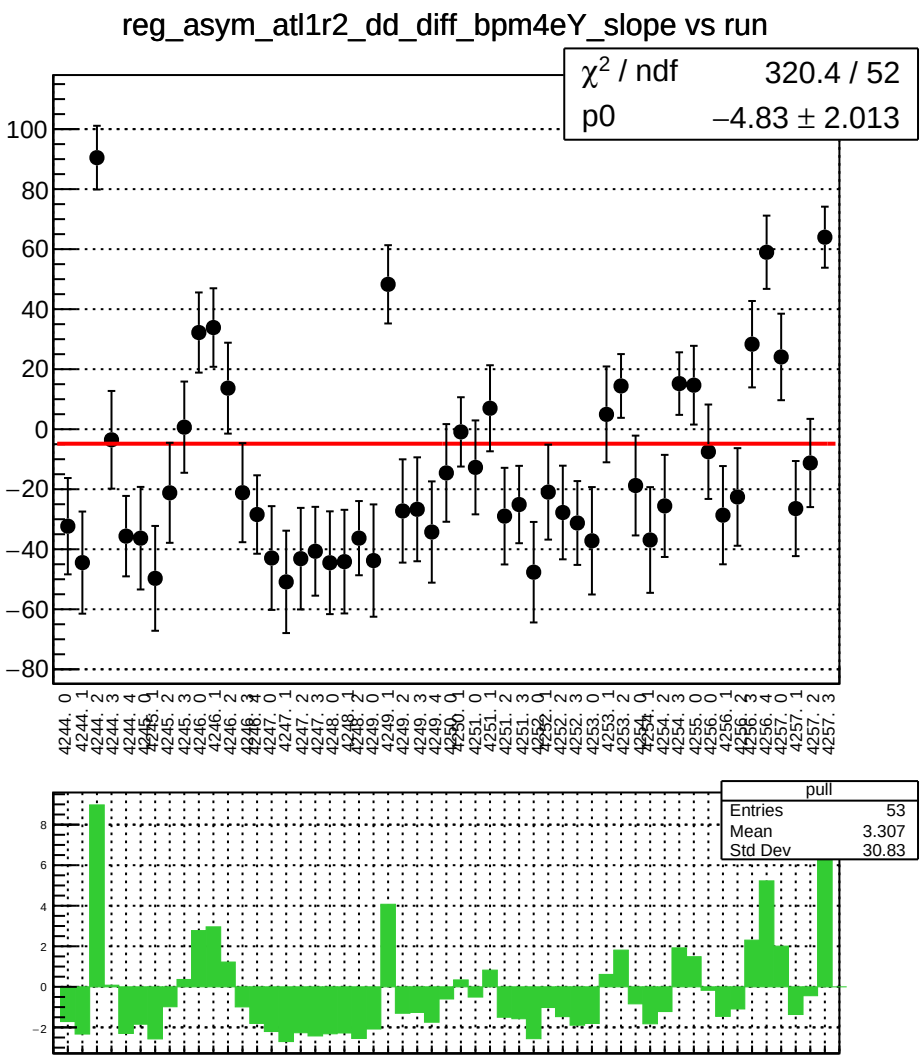

pull1D
Entries 53
Mean −0.0145
Std Dev 0.5721

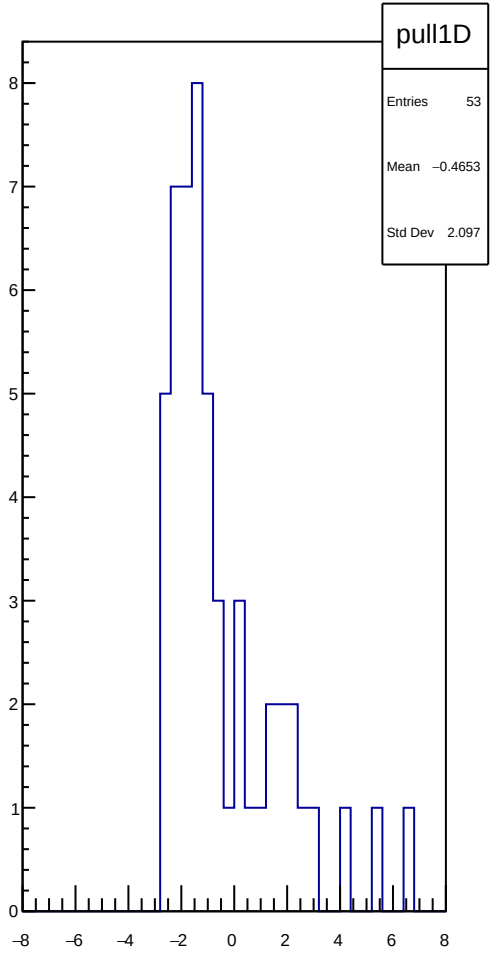

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 307.5 / 52
p0 −35.3 ± 1.22
pull
Entries 53
Mean 1.528
Std Dev 32.47

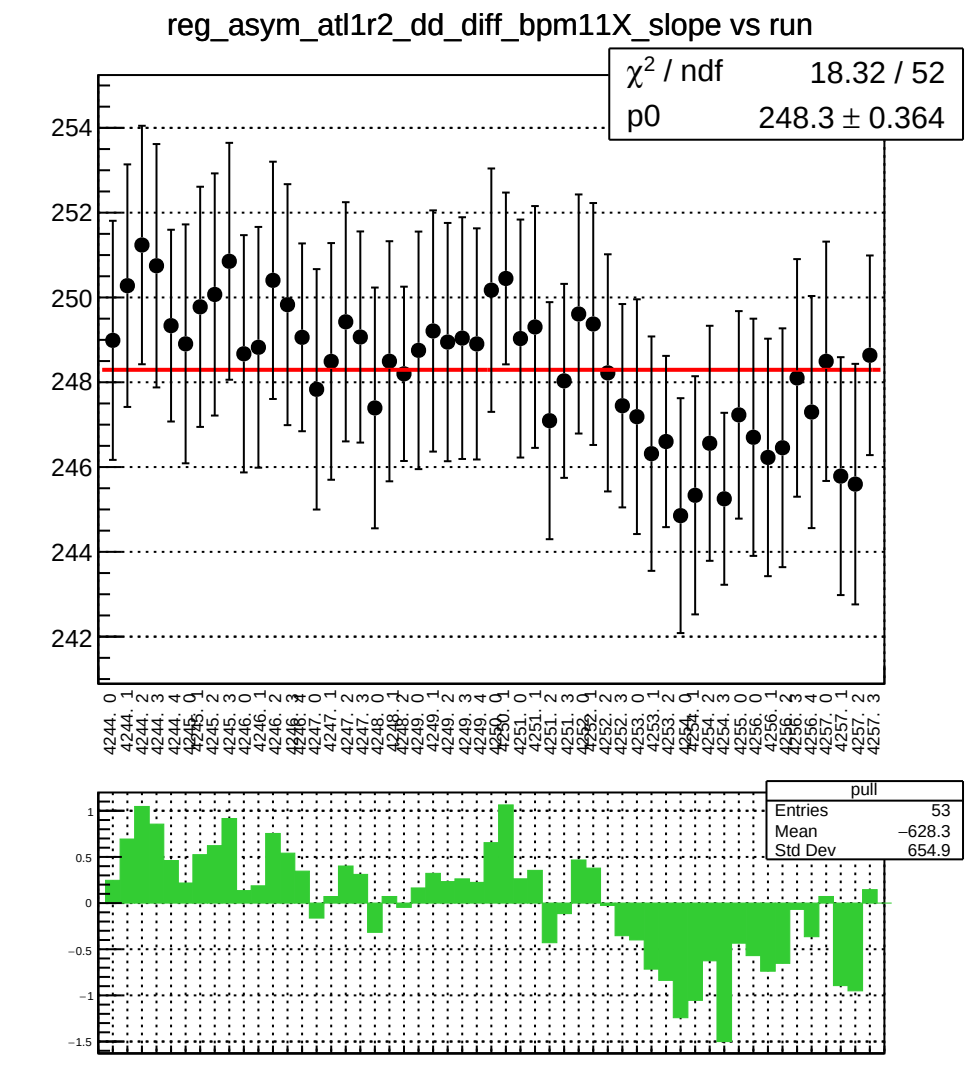

pull1D
Entries 53
Mean 0.4426
Std Dev 2.068

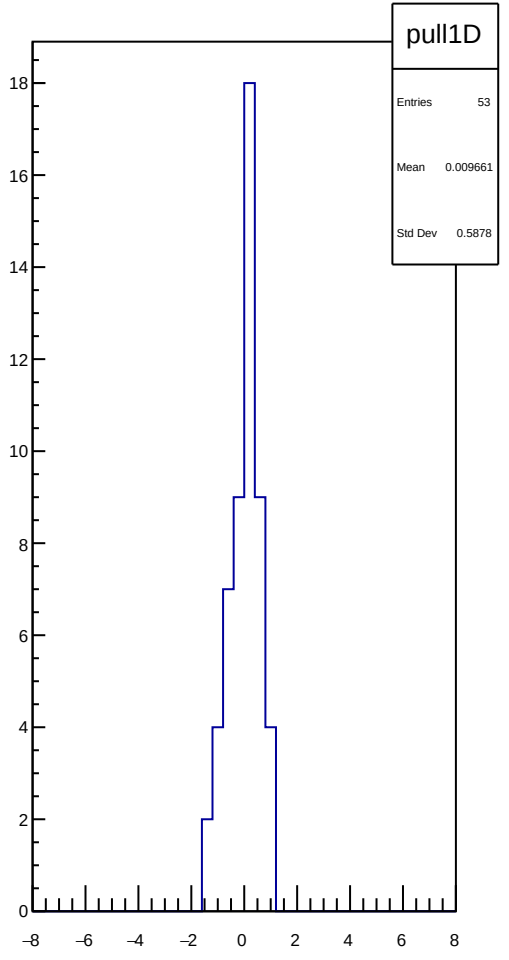

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.944 / 52
p0 99.49 ± 0.3087
104
102
100
98
96
pull
Entries 53
Mean 40.15
Std Dev 3.951
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

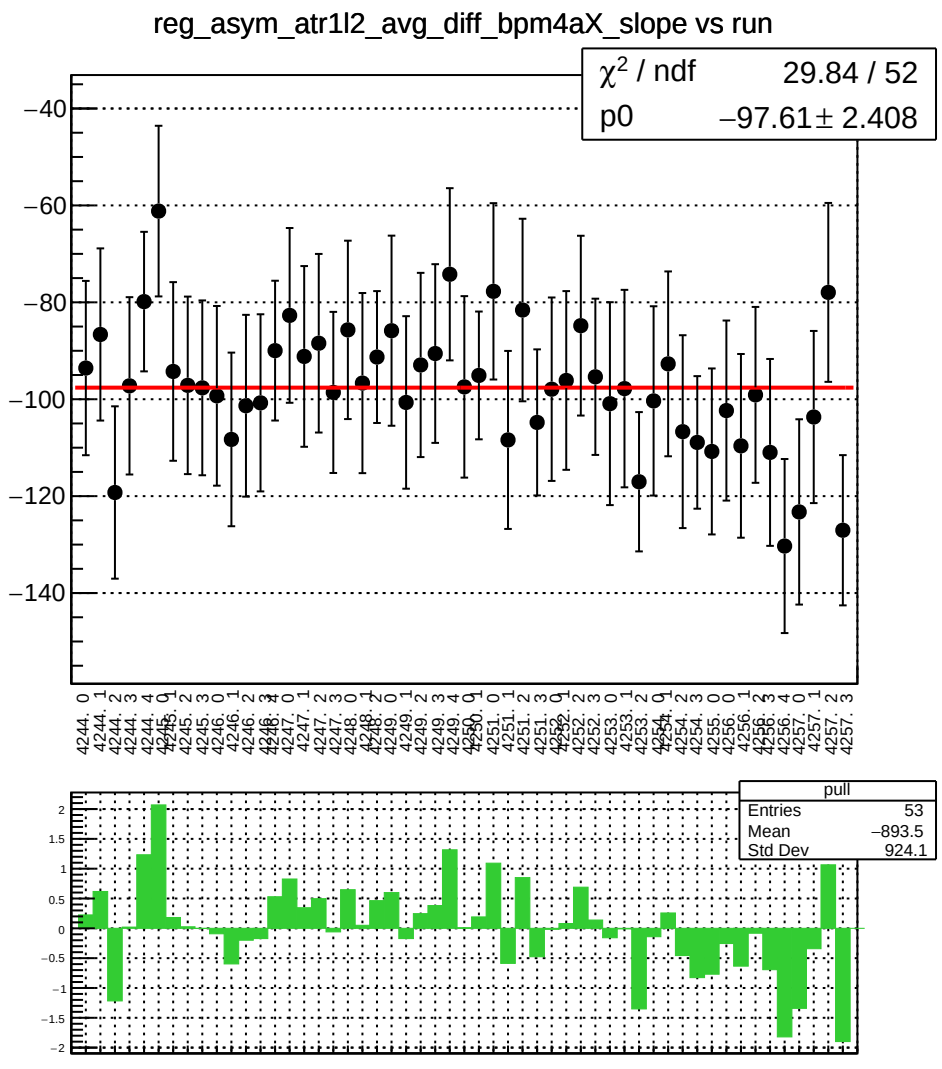

pull1D
Entries 53
Mean 0.01086
Std Dev 0.387
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

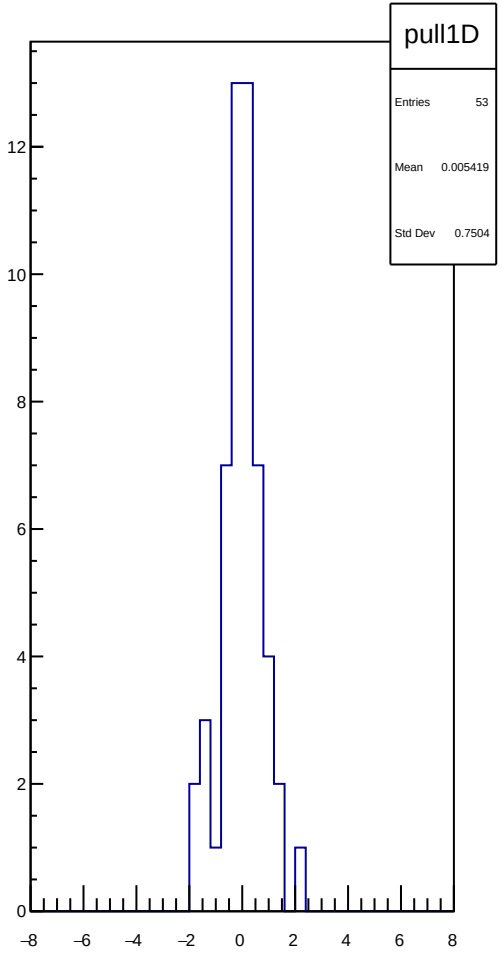

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 320.4 / 52
p0 −4.83 ± 2.013
pull
Entries 53
Mean 3.307
Std Dev 30.83

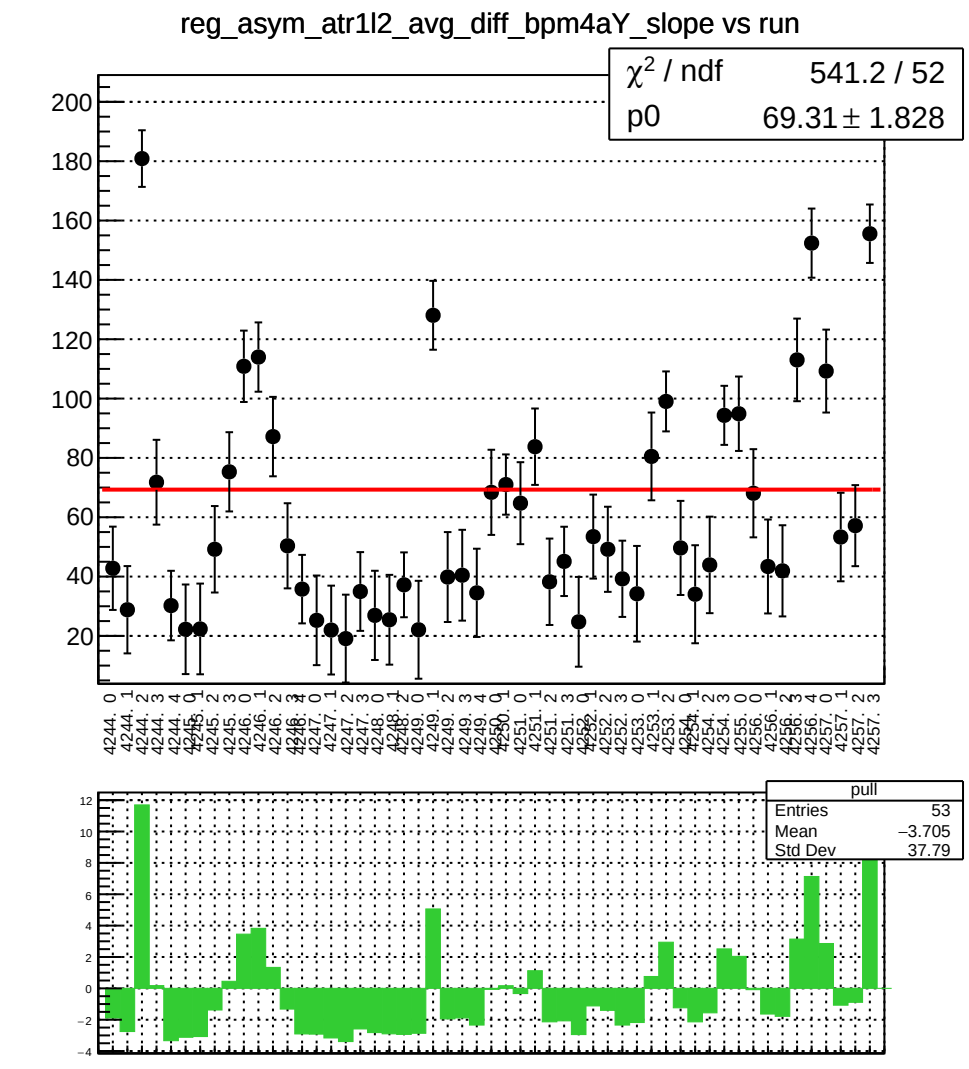

pull1D
Entries 53
Mean −0.4653
Std Dev 2.097

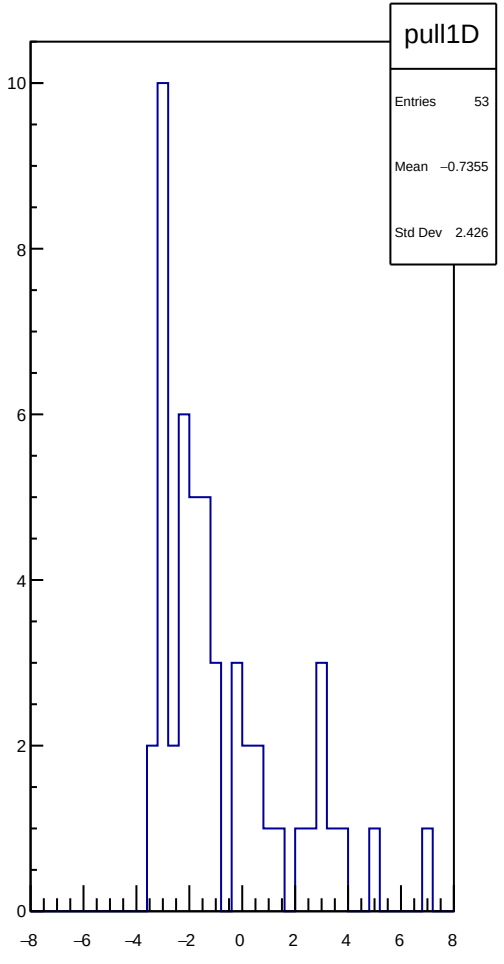

reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ² / ndf 18.32 / 52
p0 248.3 ± 0.364
254
252
250
248
246
244
242
pull
Entries 53
Mean −628.3
Std Dev 654.9
1
0.5
0
−0.5
−1
−1.5

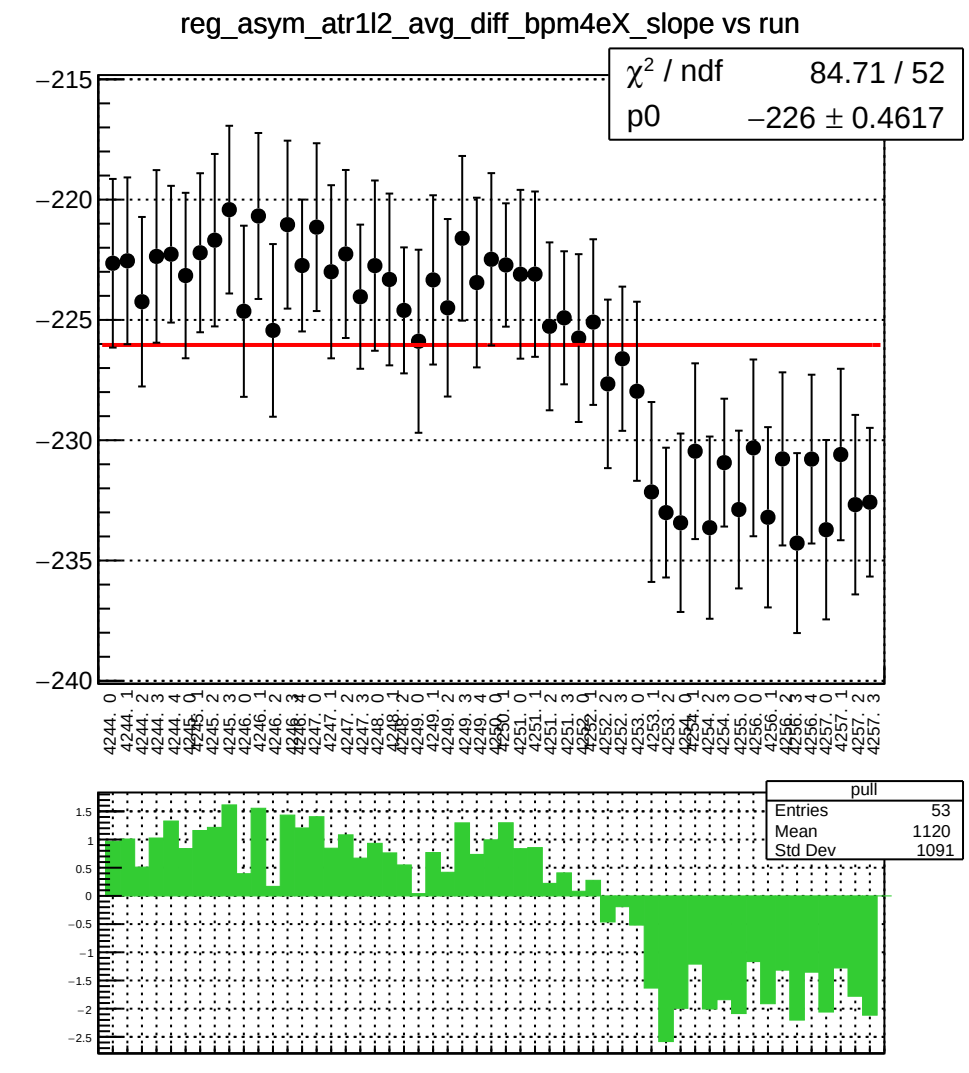

pull1D
Entries 53
Mean 0.009661
Std Dev 0.5878
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

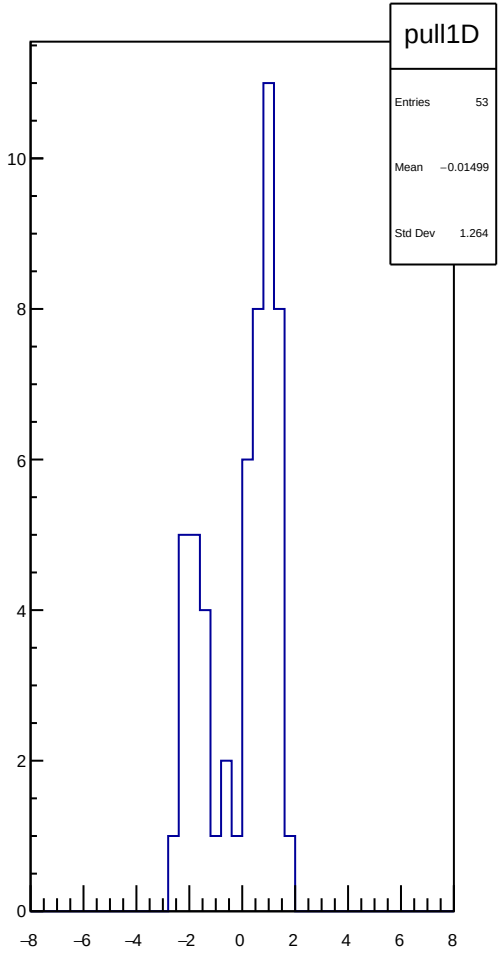

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 29.84 / 52
p0 −97.61 ± 2.408
pull
Entries 53
Mean −893.5
Std Dev 924.1

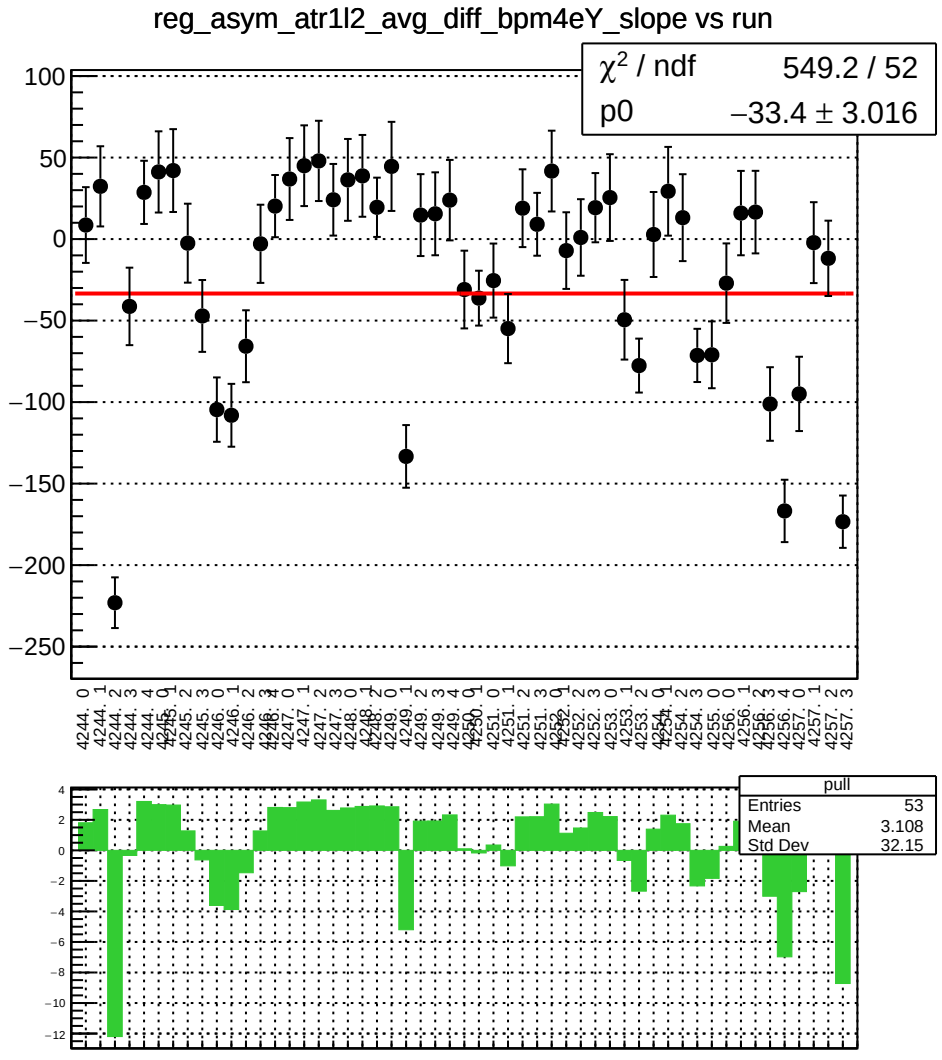

pull1D
Entries 53
Mean 0.005419
Std Dev 0.7504

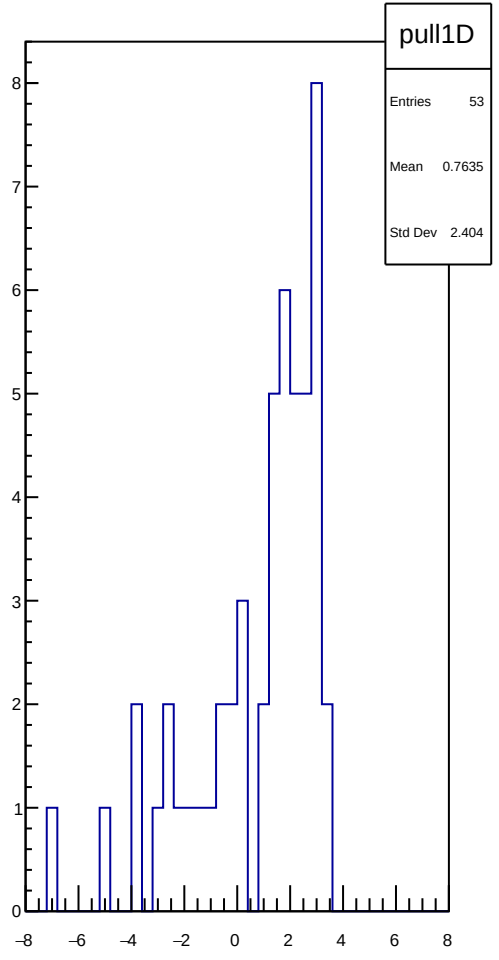

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 541.2 / 52
p0 69.31 ± 1.828
pull
Entries 53
Mean −3.705
Std Dev 37.79

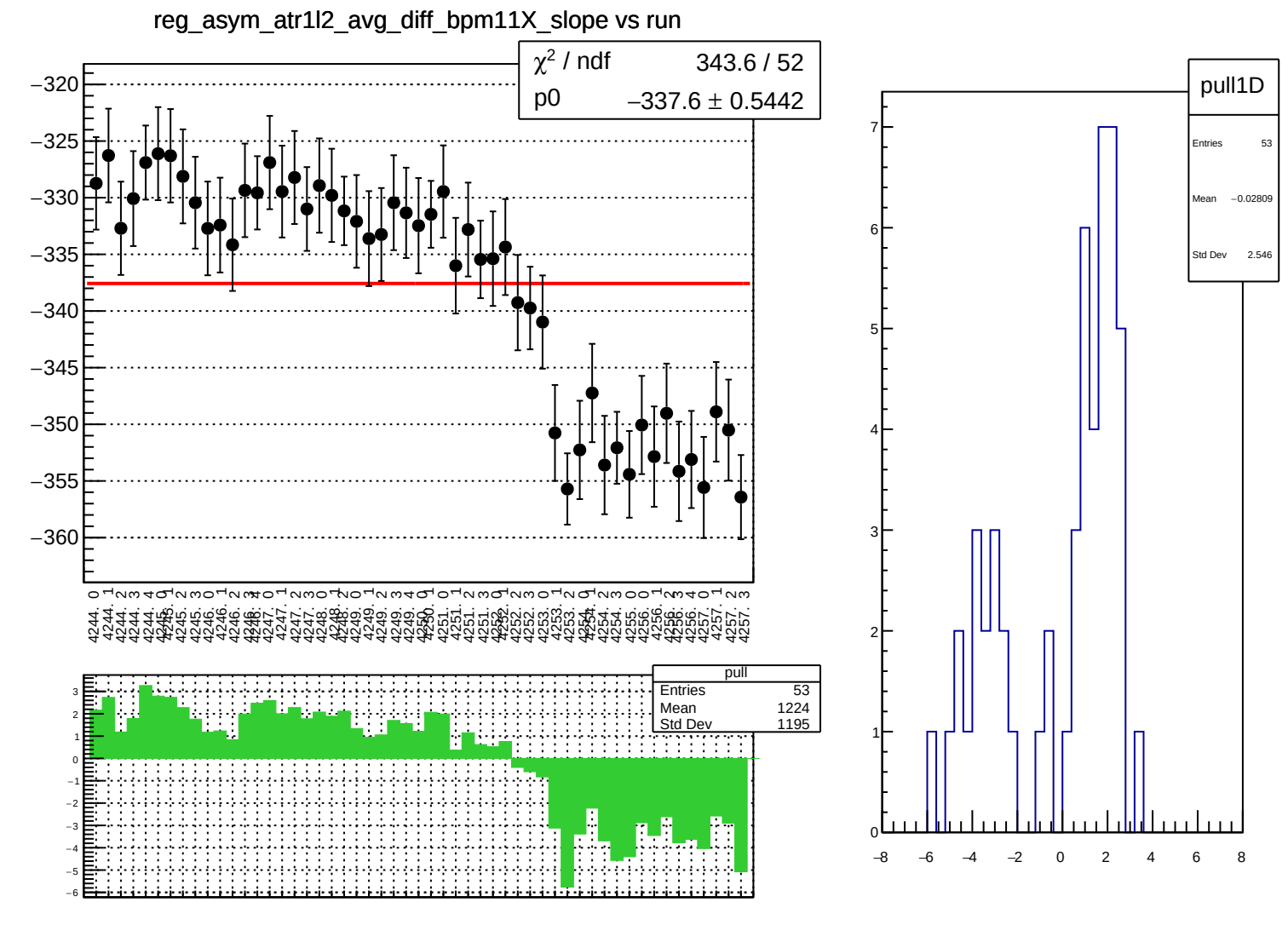

pull1D
Entries 53
Mean −0.7355
Std Dev 2.426

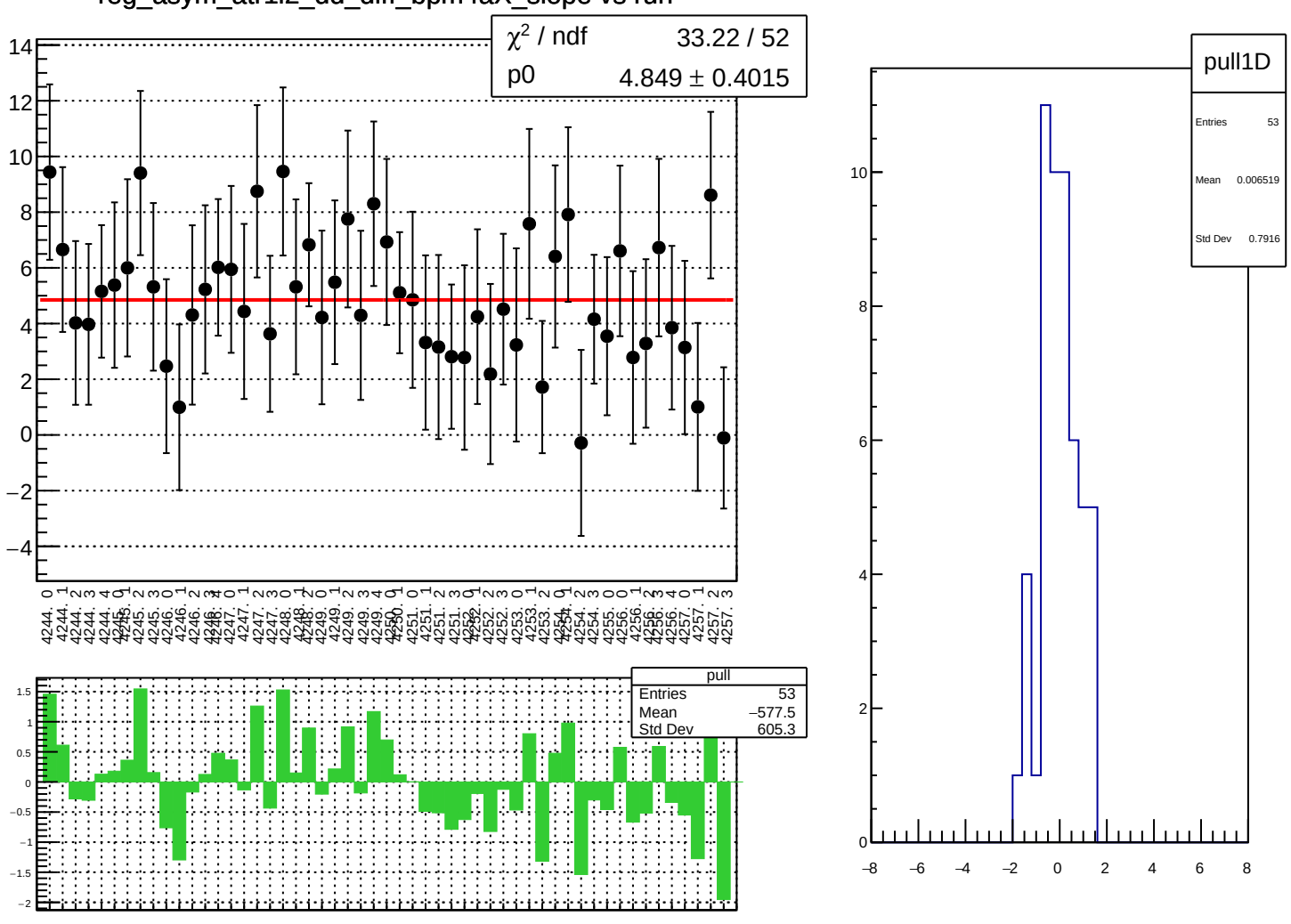

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.71 / 52
p0 −226 ± 0.4617
pull
Entries 53
Mean 1120
Std Dev 1091

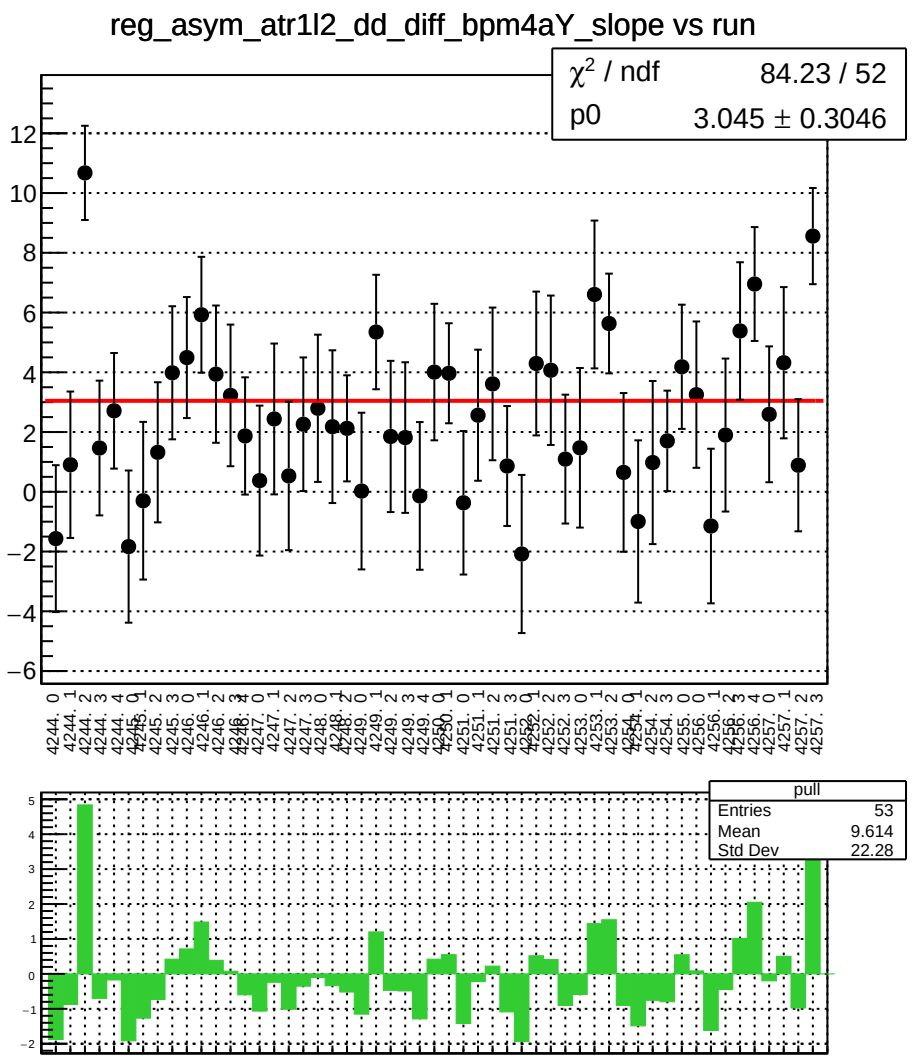

pull1D
Entries 53
Mean −0.01499
Std Dev 1.264

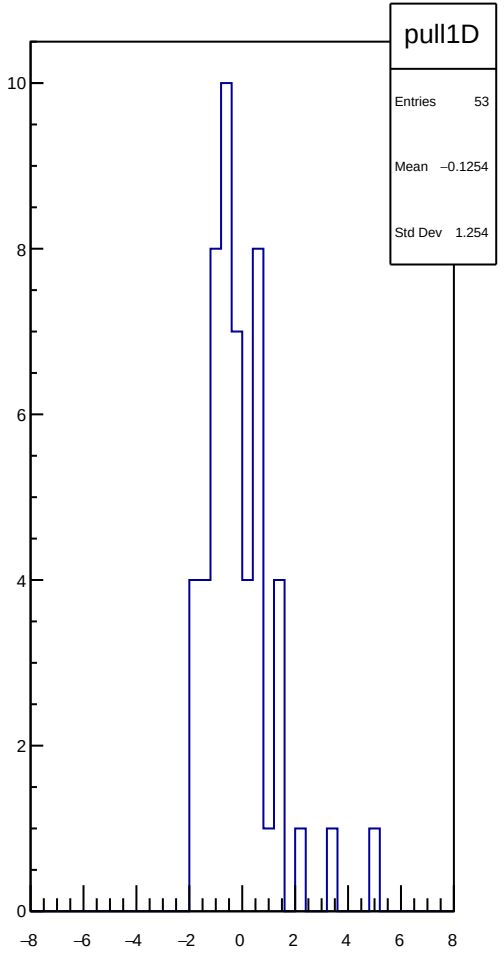

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 549.2 / 52
p0 −33.4 ± 3.016
pull
Entries 53
Mean 3.108
Std Dev 32.15

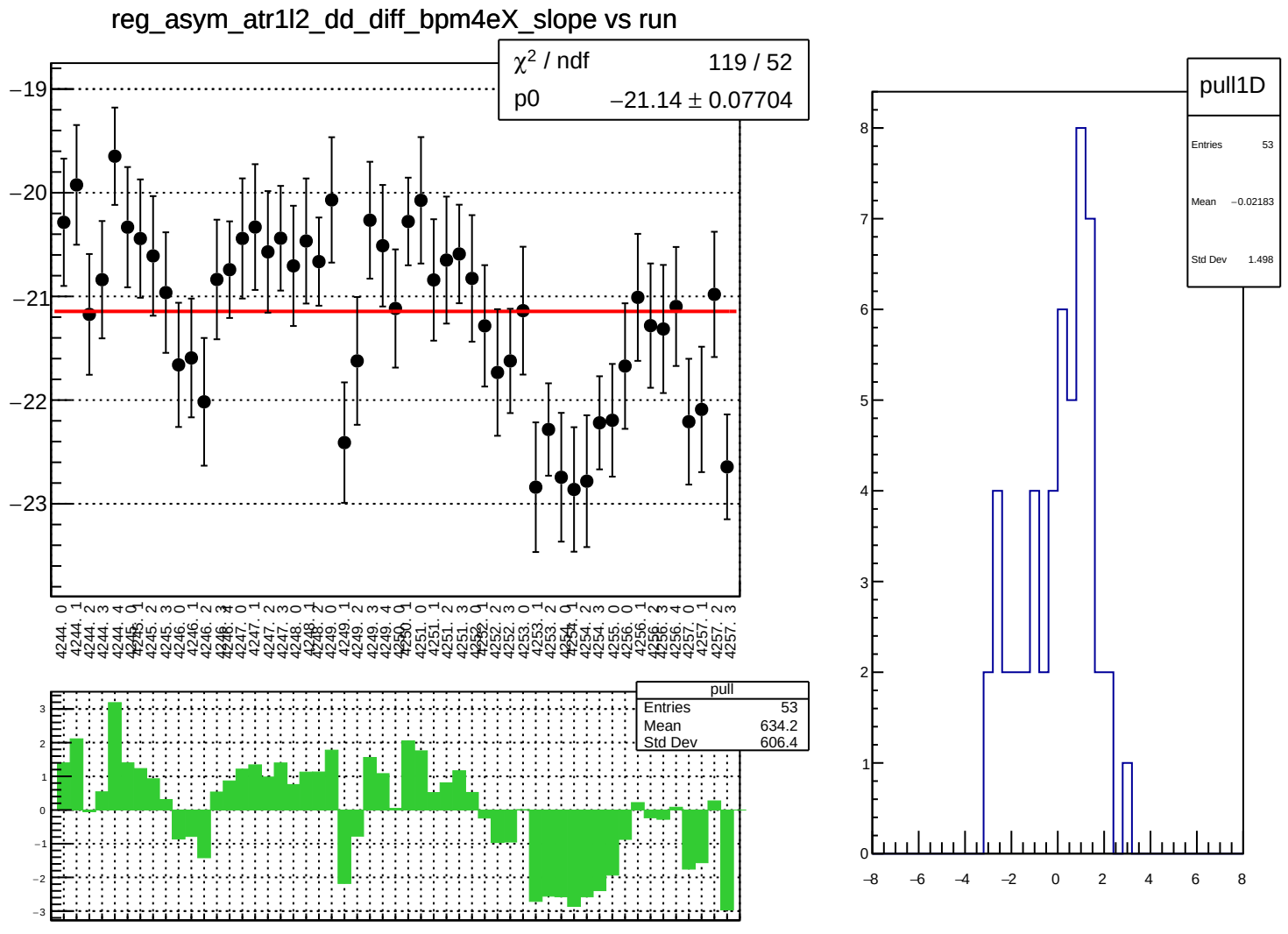

pull1D
Entries 53
Mean 0.7635
Std Dev 2.404

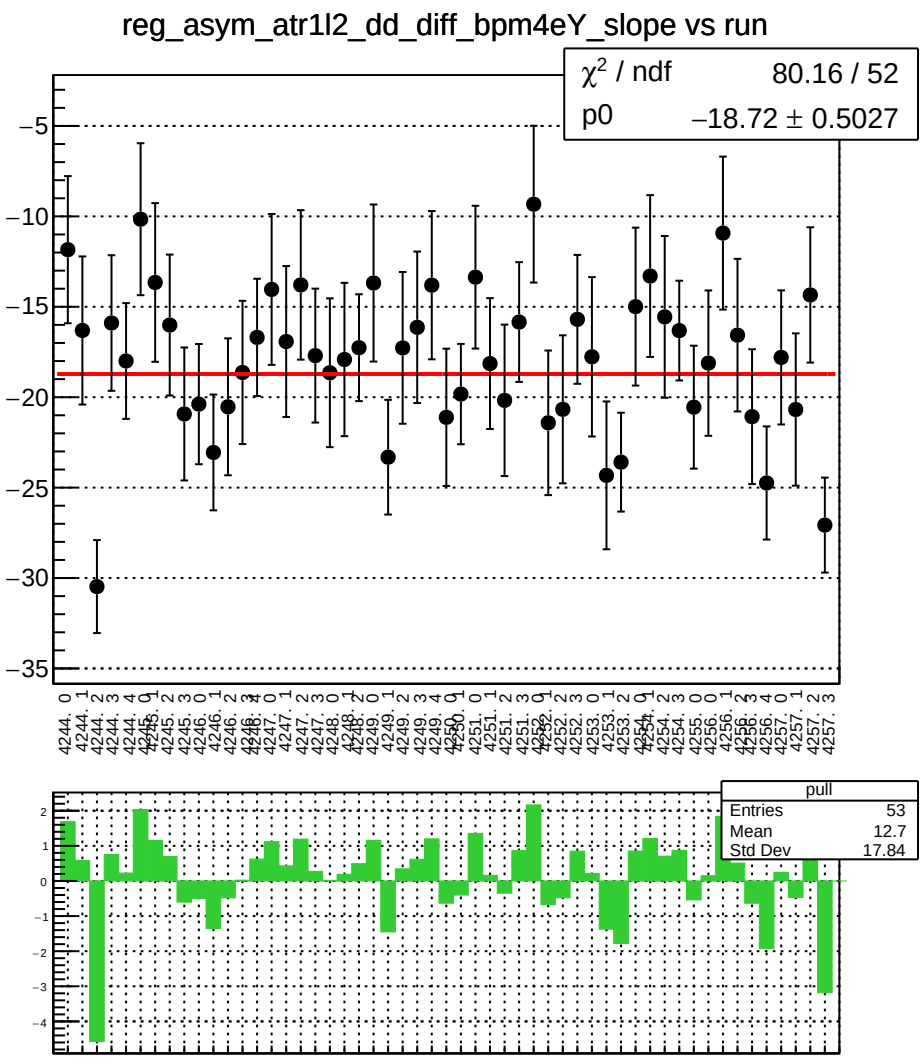

reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ² / ndf 343.6 / 52
p0 −337.6 ± 0.5442
pull
Entries 53
Mean 1224
Std Dev 1195
pull1D
Entries 53
Mean −0.02809
Std Dev 2.546

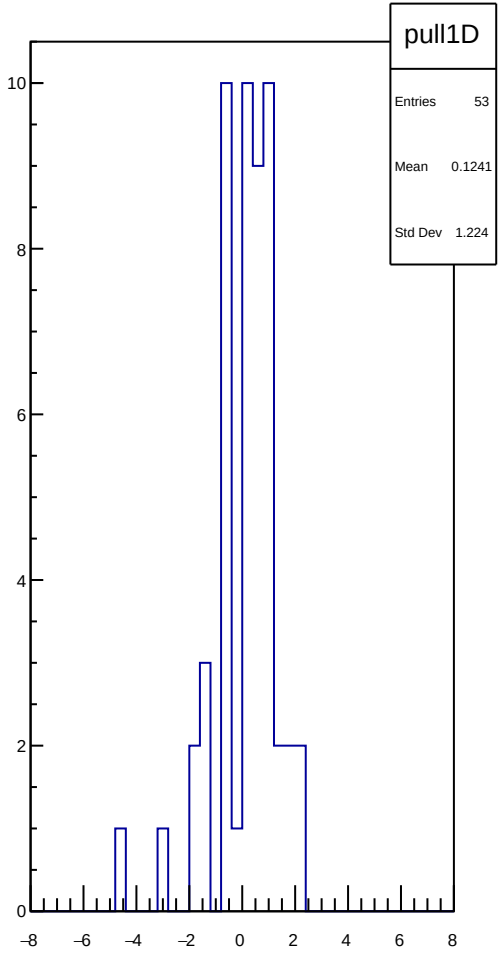

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 33.22 / 52
p0 4.849 ± 0.4015
pull
Entries 53
Mean −577.5
Std Dev 605.3
pull1D
Entries 53
Mean 0.006519
Std Dev 0.7916

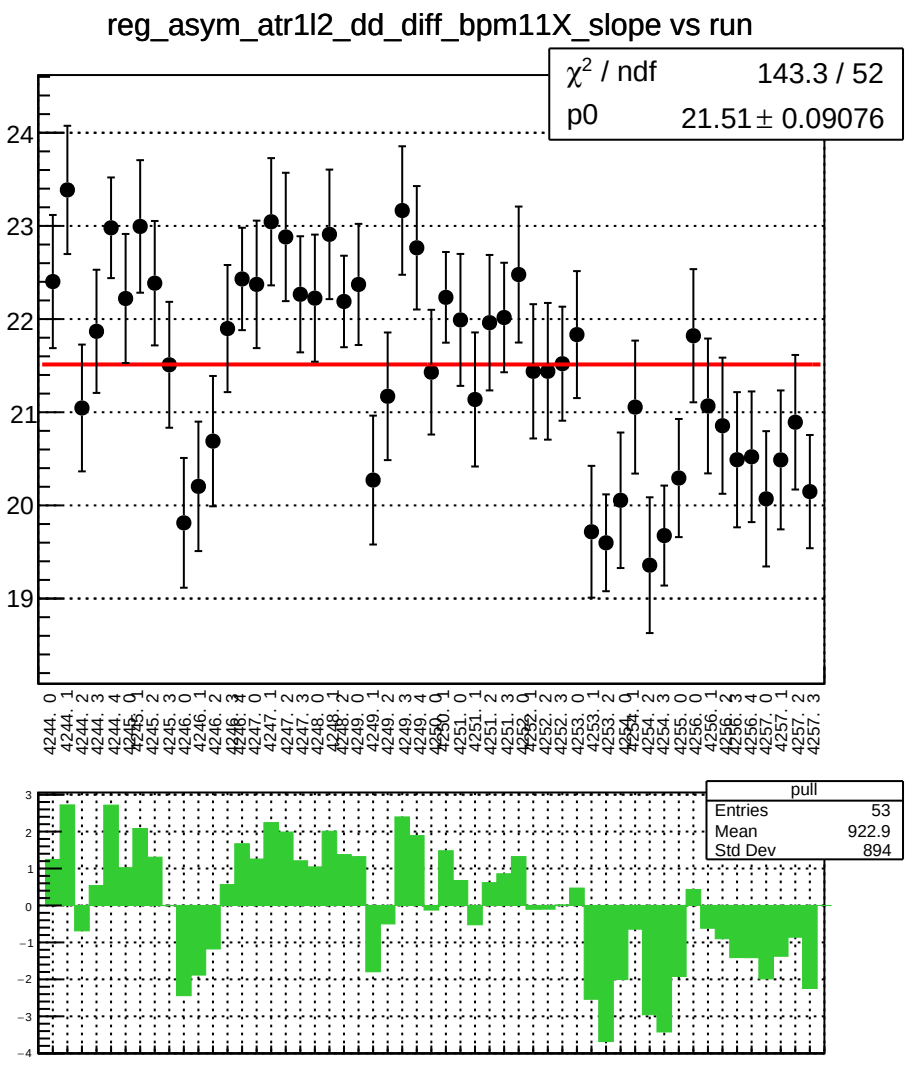

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.23 / 52
p0 3.045 ± 0.3046
pull
Entries 53
Mean 9.614
Std Dev 22.28

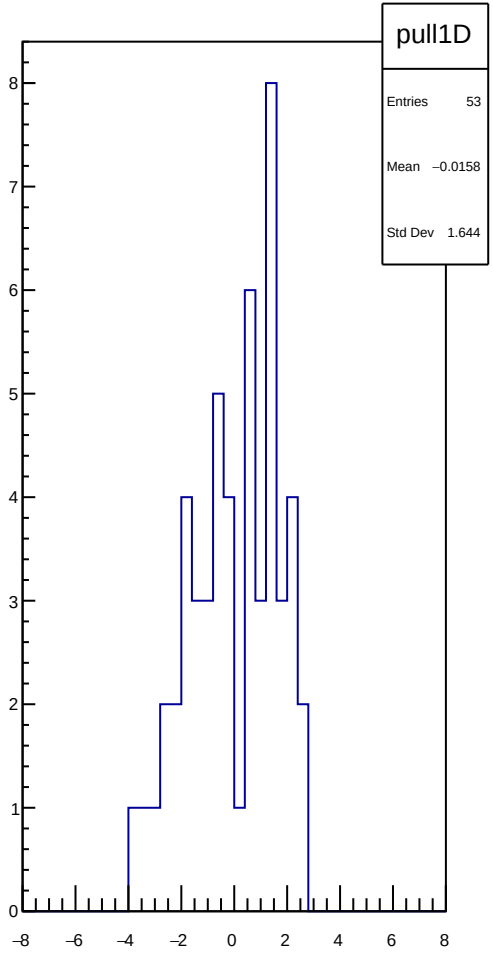

pull1D
Entries 53
Mean −0.1254
Std Dev 1.254

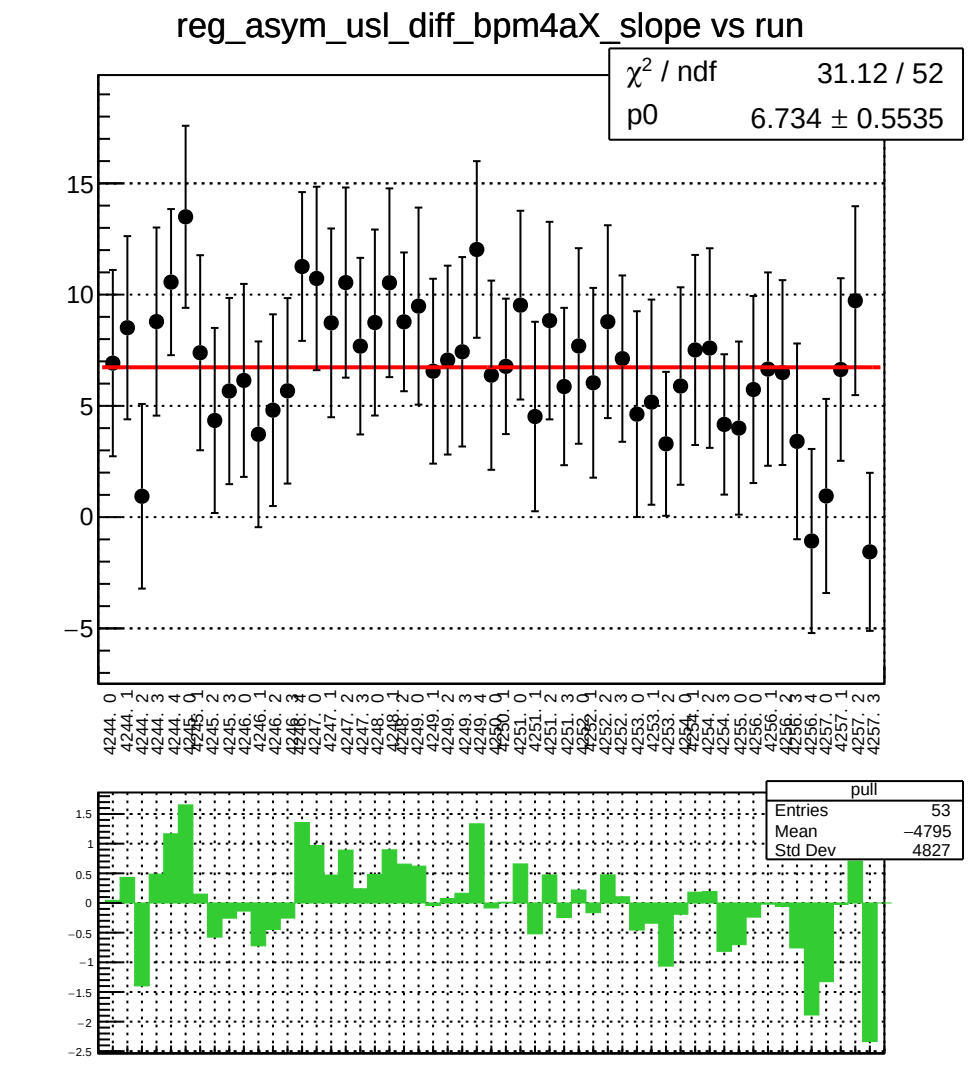

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 119 / 52
p0 −21.14 ± 0.07704
pull
Entries 53
Mean 634.2
Std Dev 606.4
pull1D
Entries 53
Mean −0.02183
Std Dev 1.498

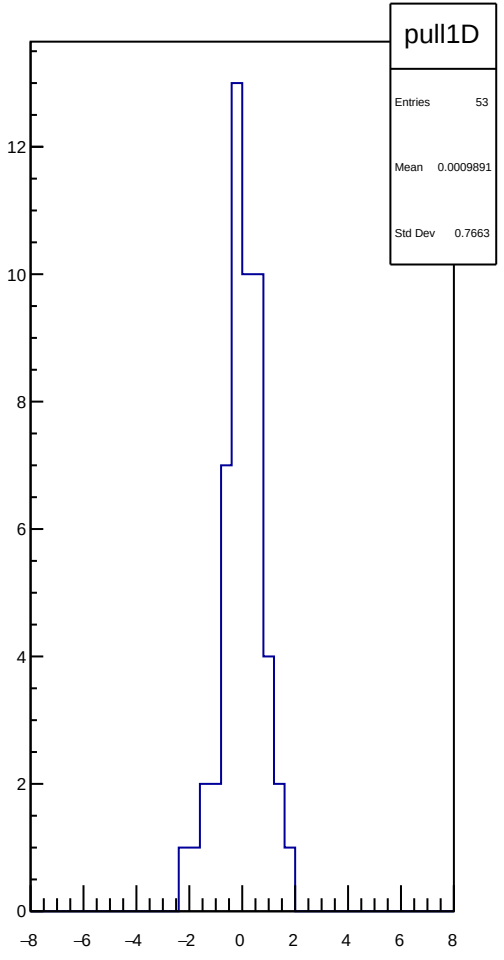

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 80.16 / 52
p0 −18.72 ± 0.5027
pull
Entries 53
Mean 12.7
Std Dev 17.84

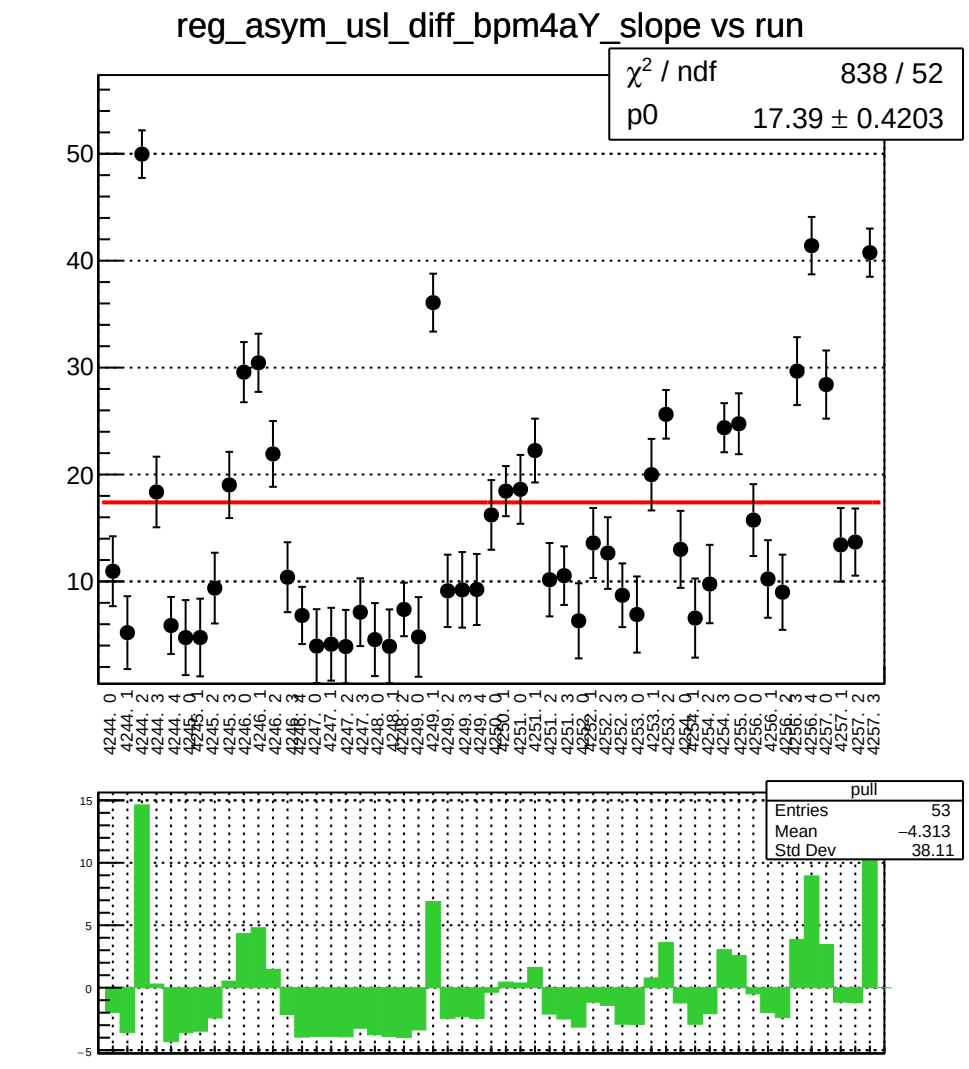

pull1D
Entries 53
Mean 0.1241
Std Dev 1.224

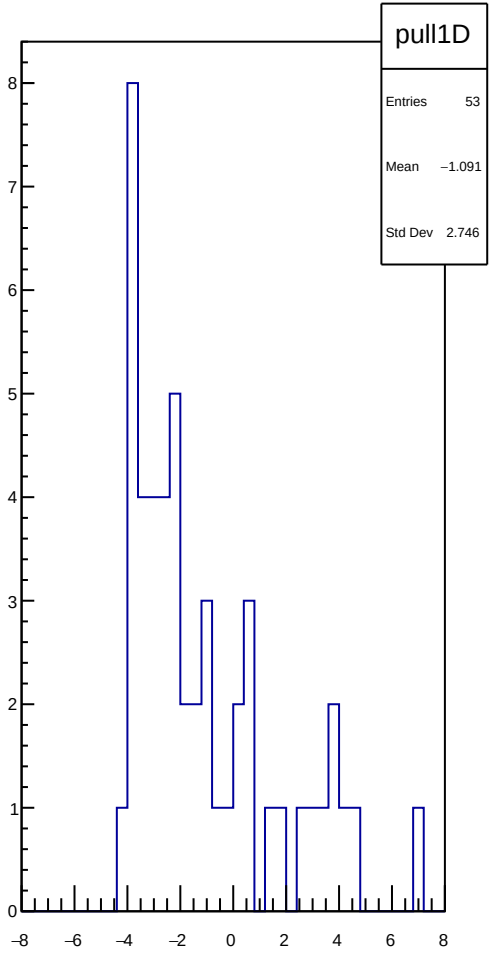

reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ² / ndf 143.3 / 52
p0 21.51 ± 0.09076
pull
Entries 53
Mean 922.9
Std Dev 894

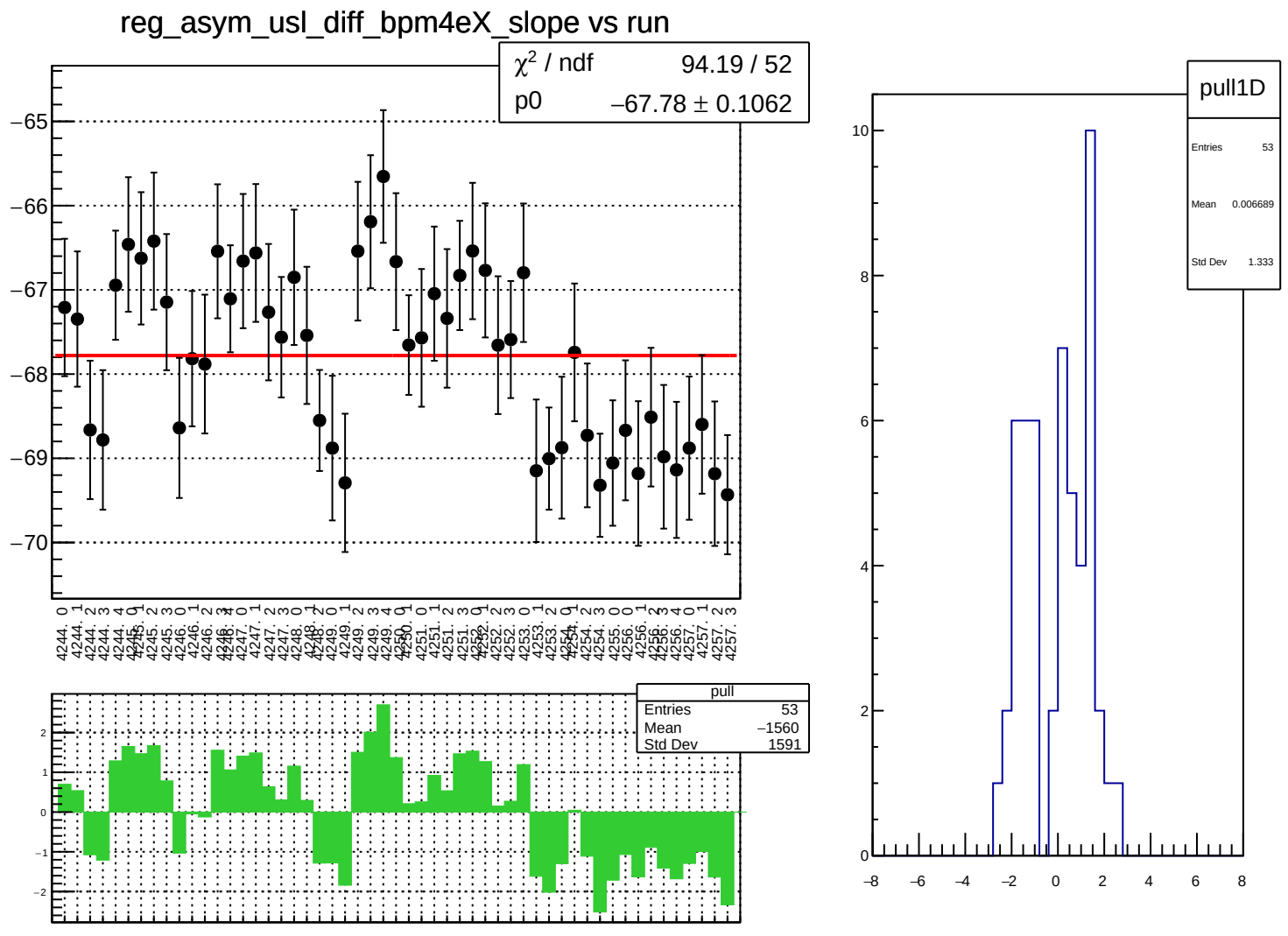

pull1D
Entries 53
Mean −0.0158
Std Dev 1.644

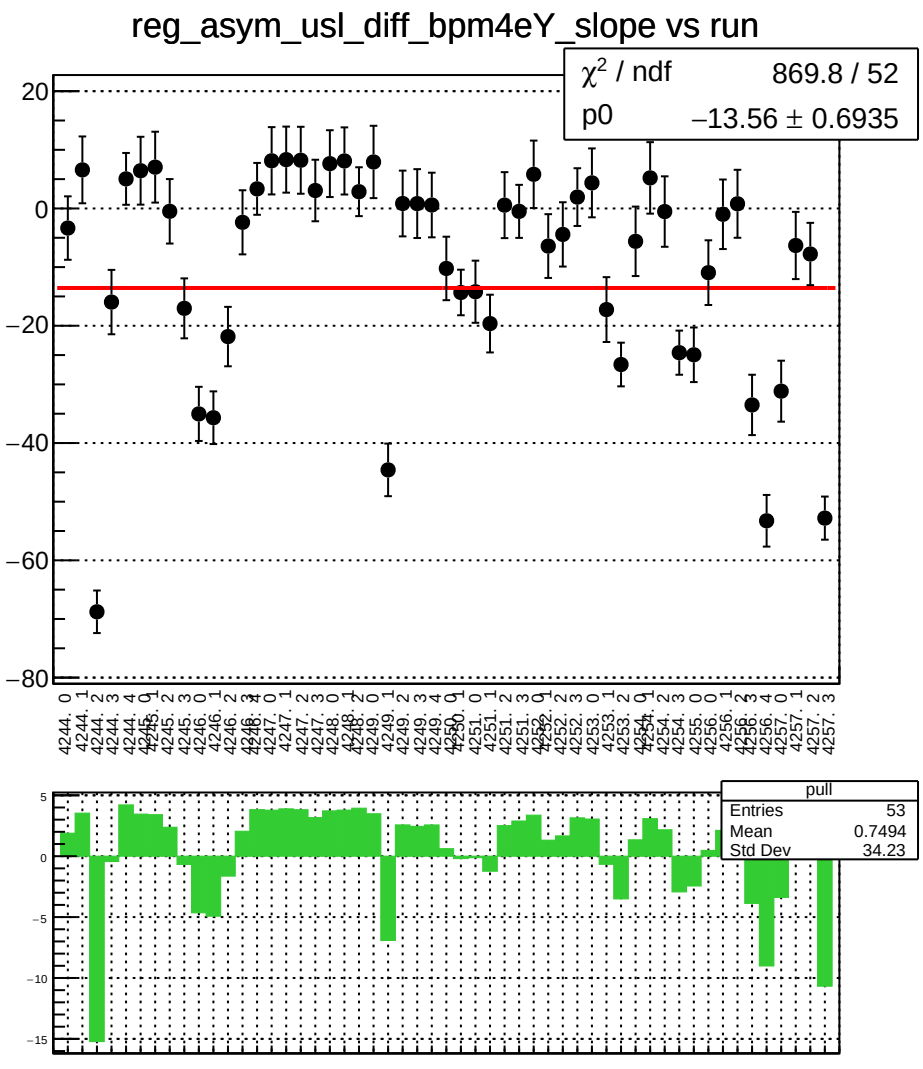

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 31.12 / 52
p0 6.734 ± 0.5535
pull
Entries 53
Mean −4795
Std Dev 4827

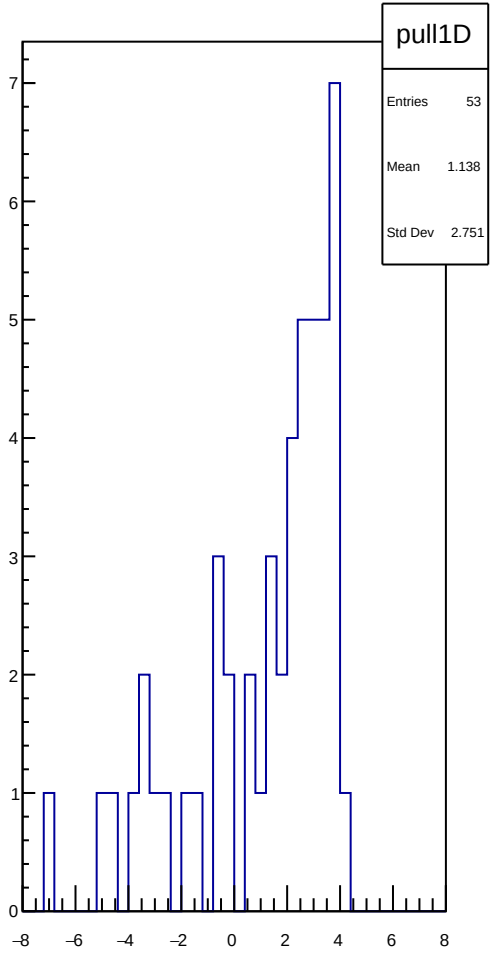

pull1D
Entries 53
Mean 0.0009891
Std Dev 0.7663

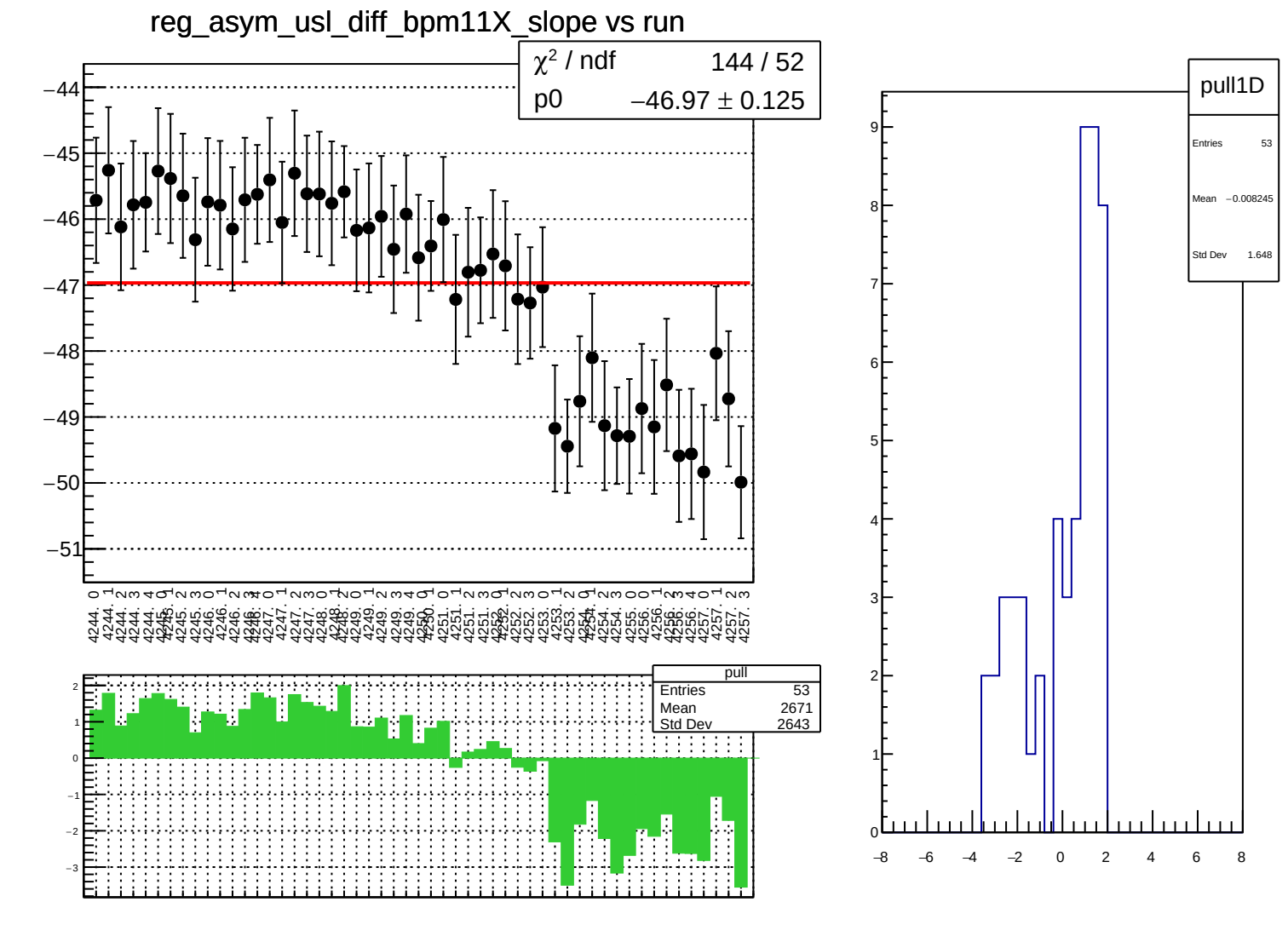

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 838 / 52
p0 17.39 ± 0.4203
pull
Entries 53
Mean −4.313
Std Dev 38.11

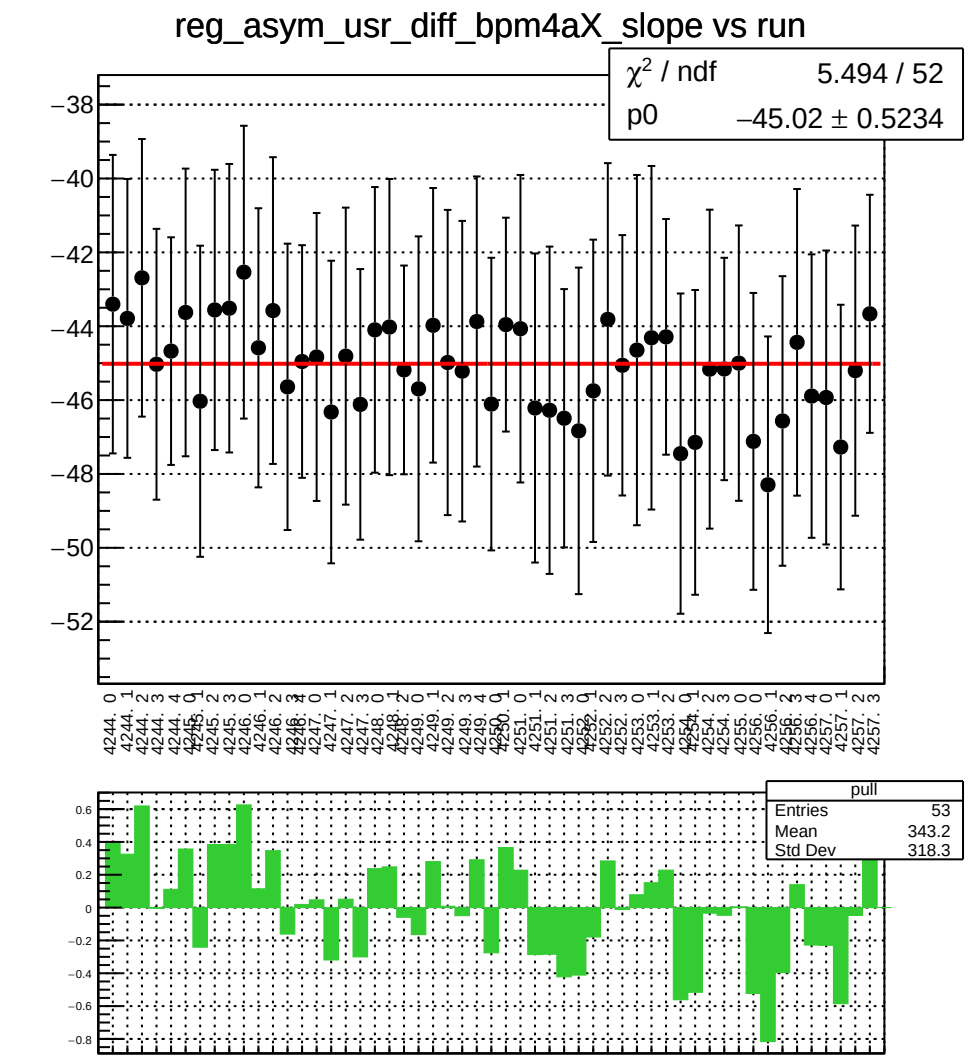

pull1D
Entries 53
Mean −1.091
Std Dev 2.746

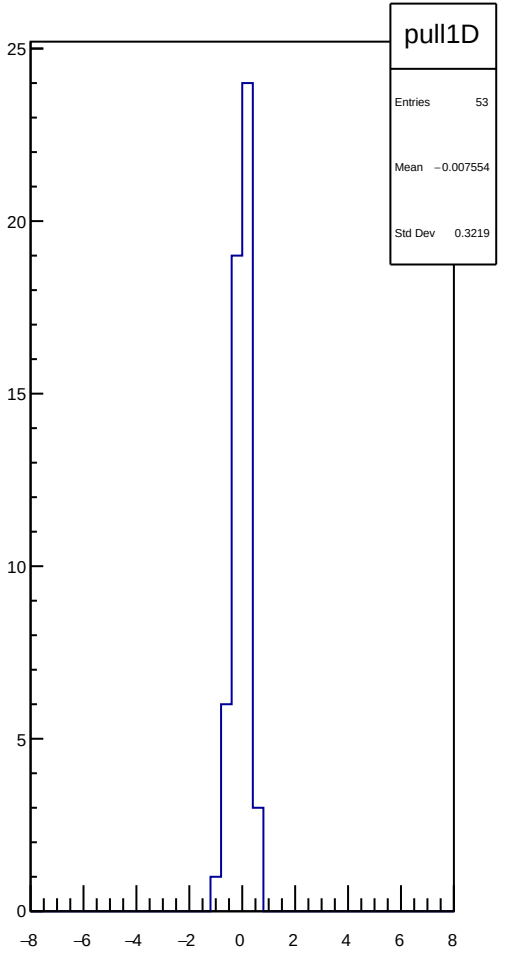

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 94.19 / 52
p0 −67.78 ± 0.1062
pull
Entries 53
Mean −1560
Std Dev 1591
pull1D
Entries 53
Mean 0.006689
Std Dev 1.333

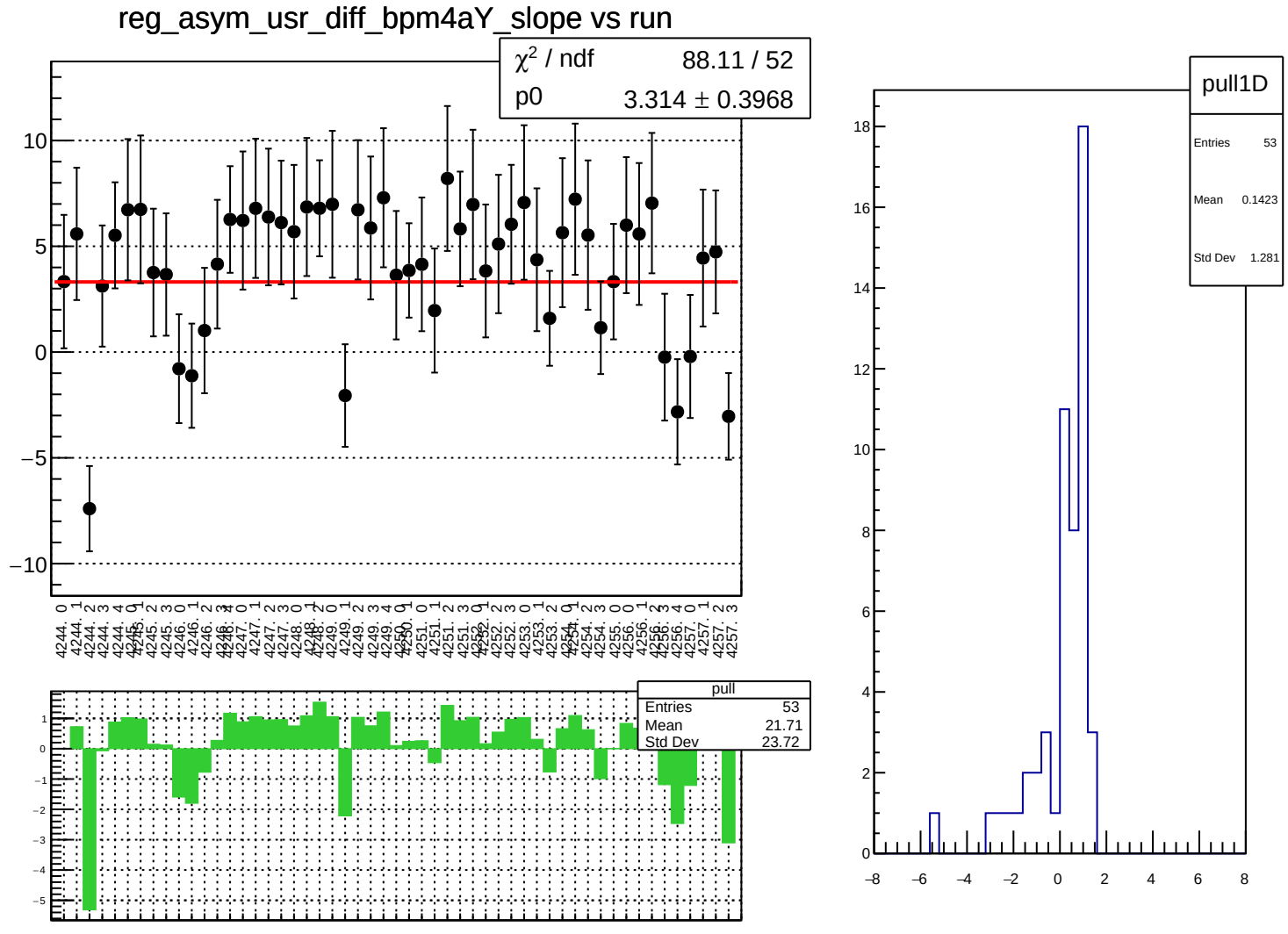

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 869.8 / 52
p0 −13.56 ± 0.6935
pull
Entries 53
Mean 0.7494
Std Dev 34.23

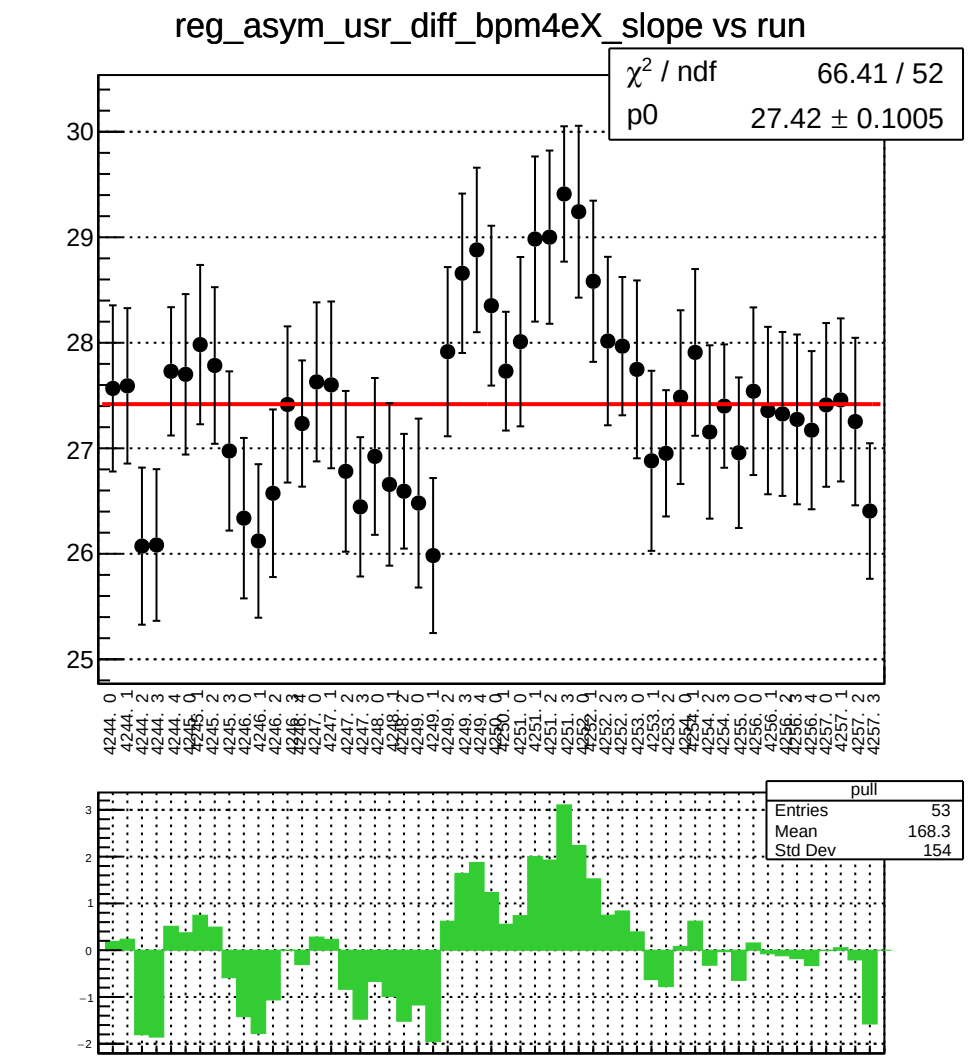

pull1D
Entries 53
Mean 1.138
Std Dev 2.751

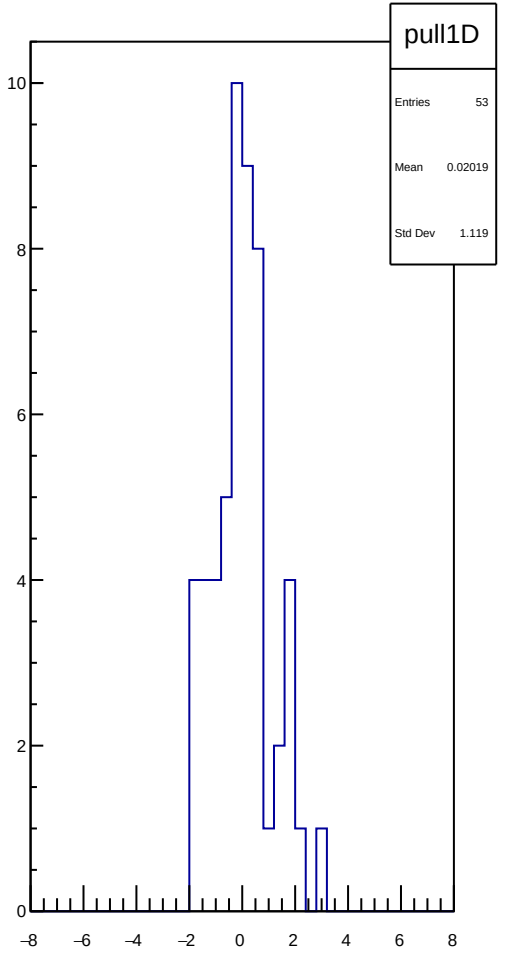

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 144 / 52
p0 −46.97 ± 0.125
pull
Entries 53
Mean 2671
Std Dev 2643
pull1D
Entries 53
Mean −0.008245
Std Dev 1.648

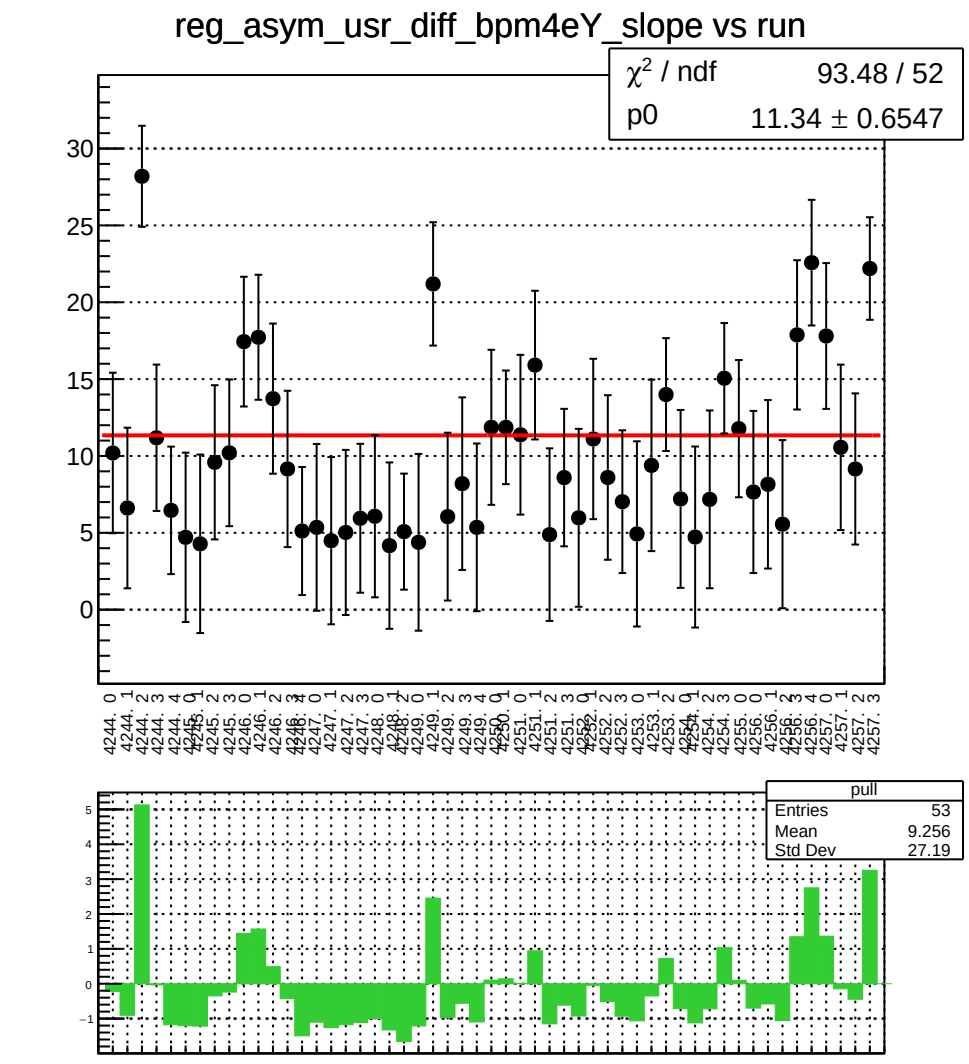

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 5.494 / 52
p0 −45.02 ± 0.5234
pull
Entries 53
Mean 343.2
Std Dev 318.3

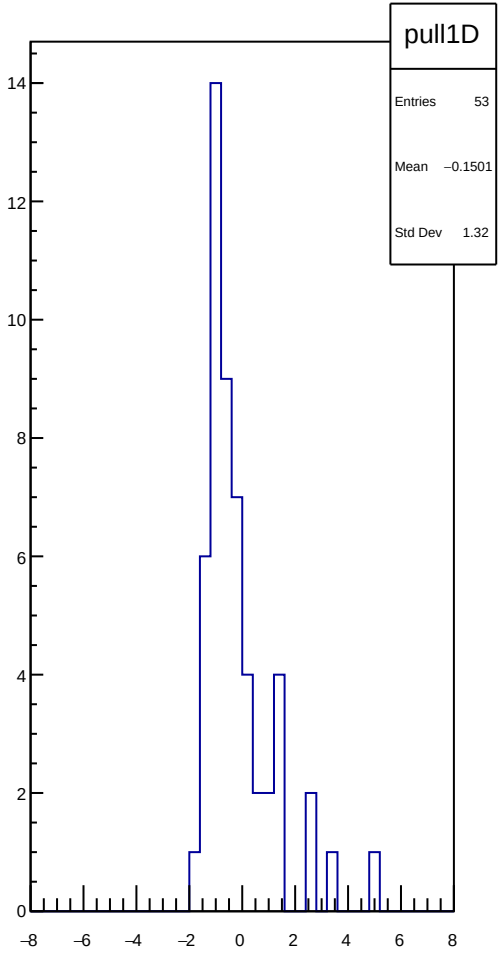

pull1D
Entries 53
Mean −0.007554
Std Dev 0.3219

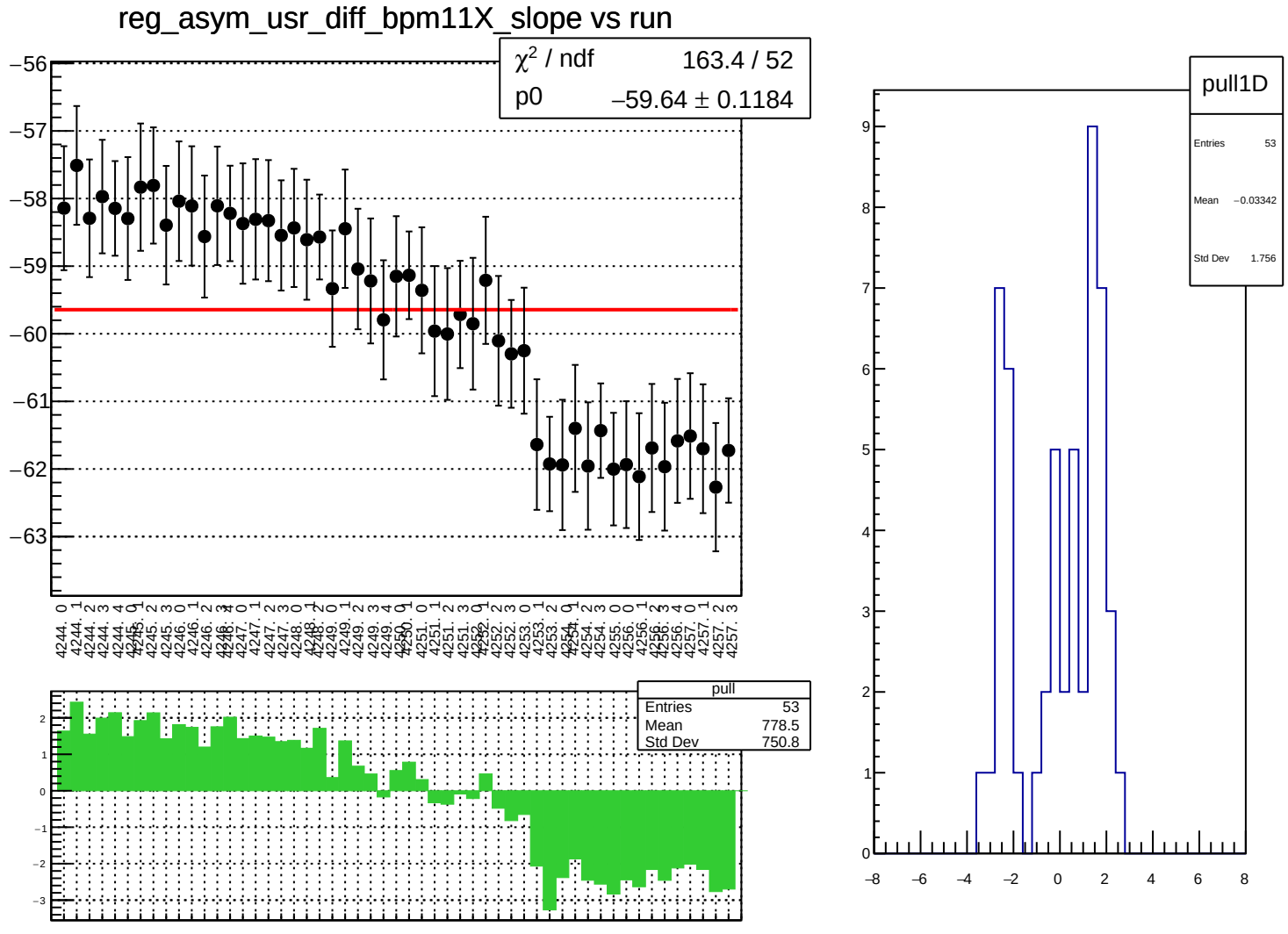

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 88.11 / 52
p0 3.314 ± 0.3968
pull
Entries 53
Mean 21.71
Std Dev 23.72
pull1D
Entries 53
Mean 0.1423
Std Dev 1.281

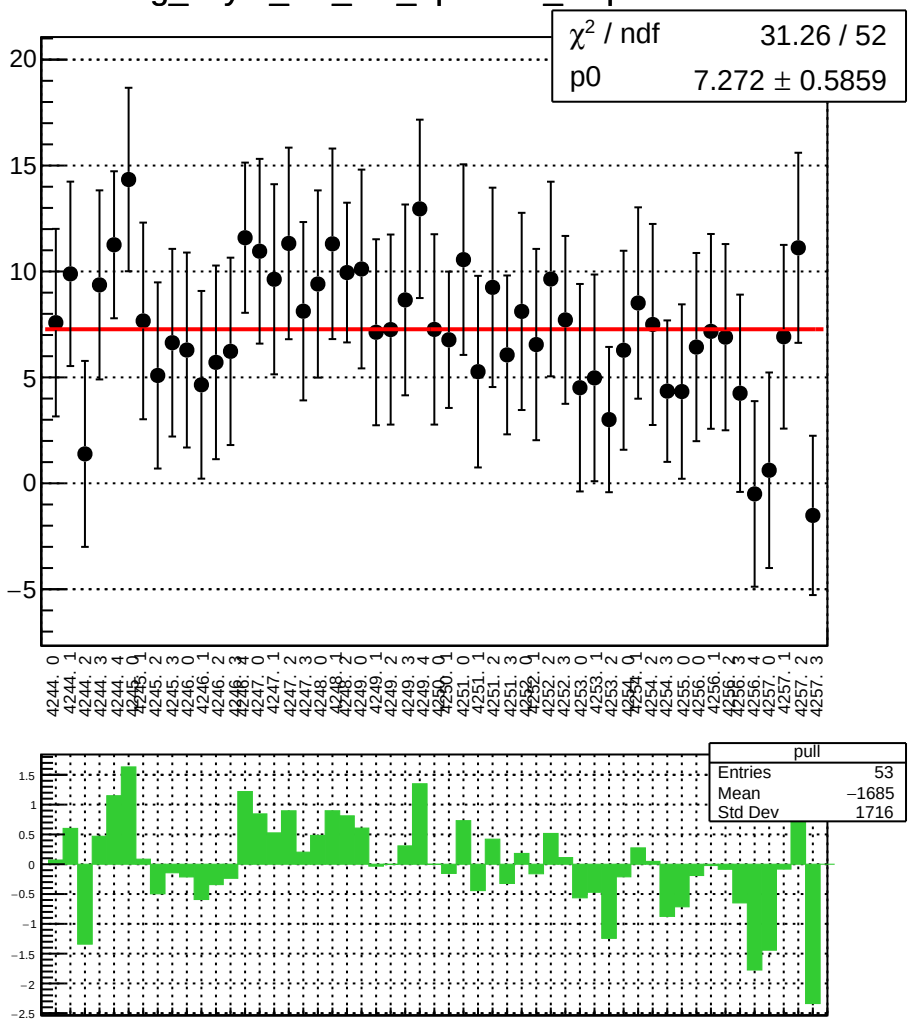

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 66.41 / 52
p0 27.42 ± 0.1005
pull
Entries 53
Mean 168.3
Std Dev 154

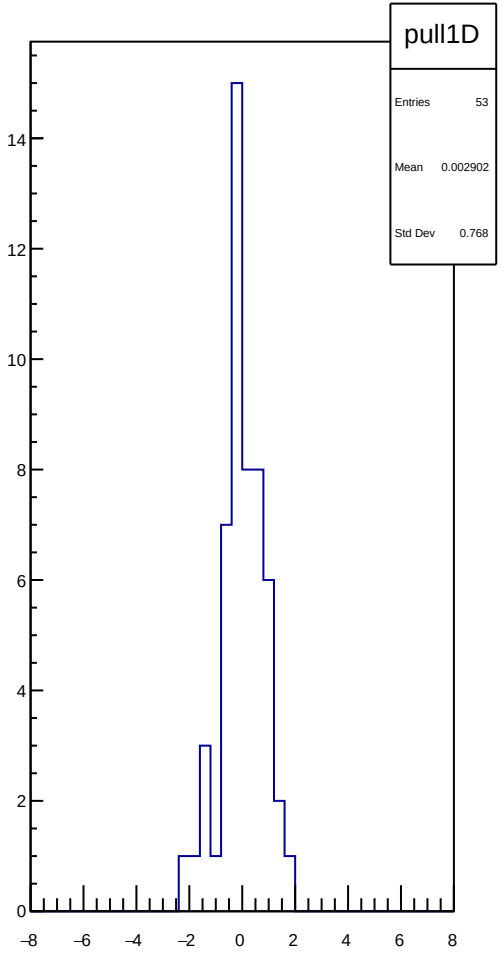

pull1D
Entries 53
Mean 0.02019
Std Dev 1.119

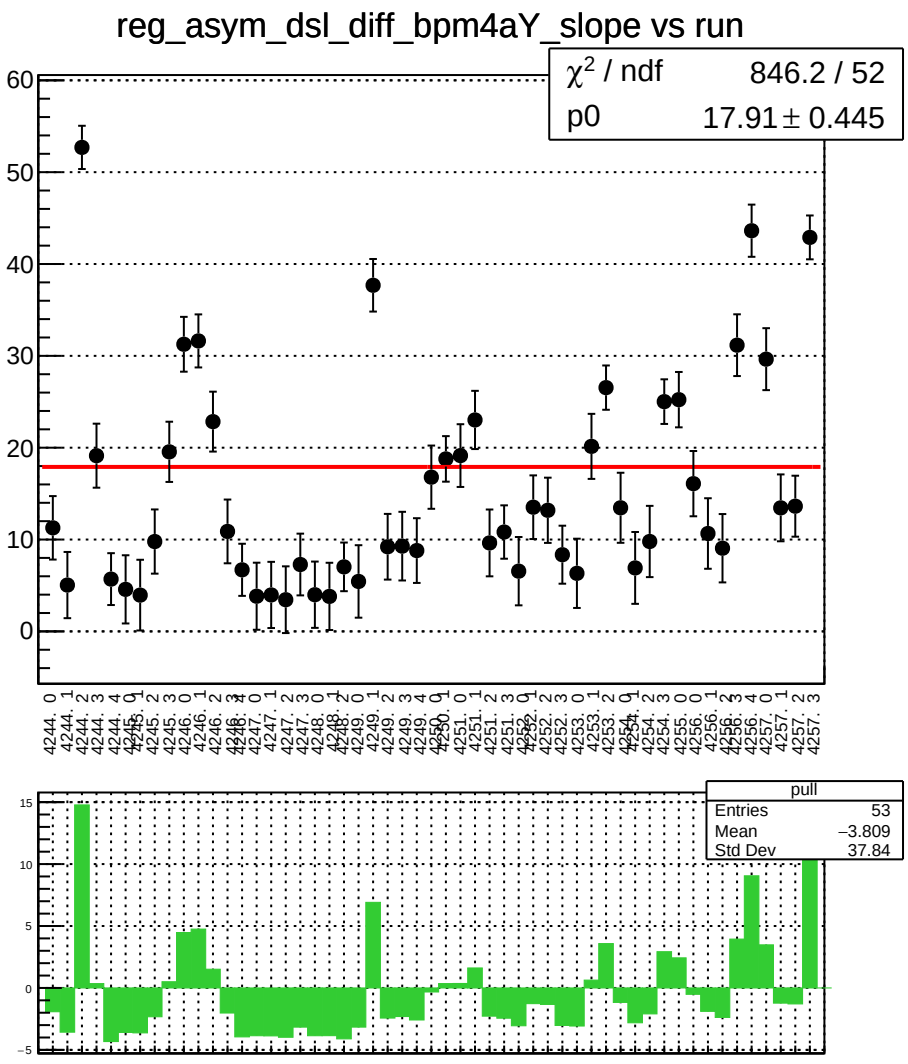

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 93.48 / 52
p0 11.34 ± 0.6547
pull
Entries 53
Mean 9.256
Std Dev 27.19

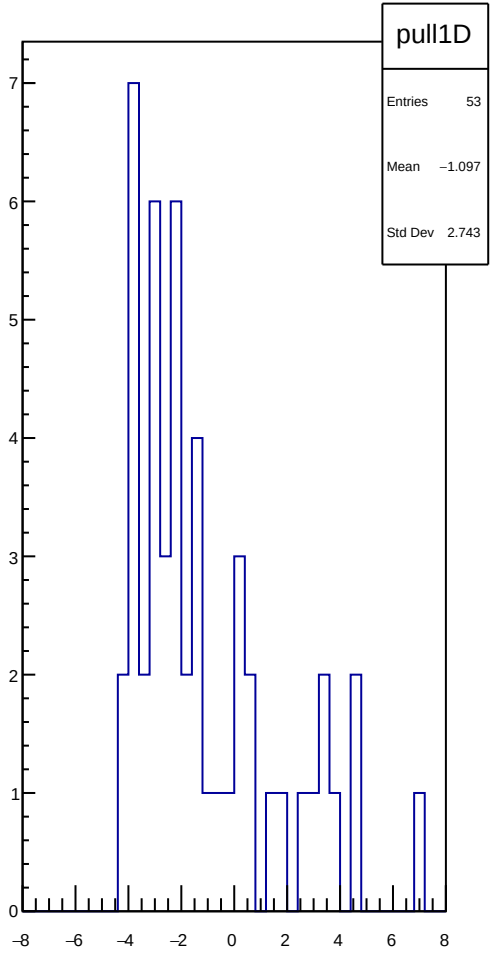

pull1D
Entries 53
Mean −0.1501
Std Dev 1.32

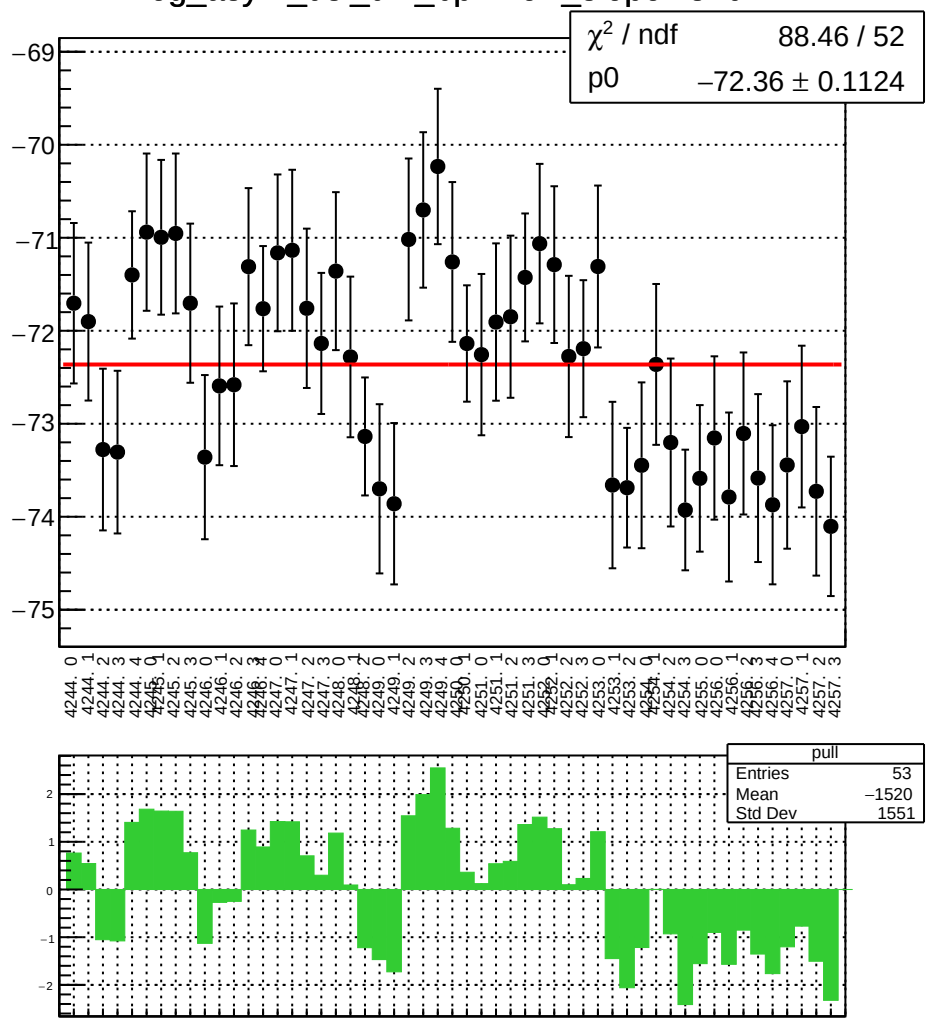

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 163.4 / 52
p0 −59.64 ± 0.1184
pull
Entries 53
Mean 778.5
Std Dev 750.8
pull1D
Entries 53
Mean −0.03342
Std Dev 1.756

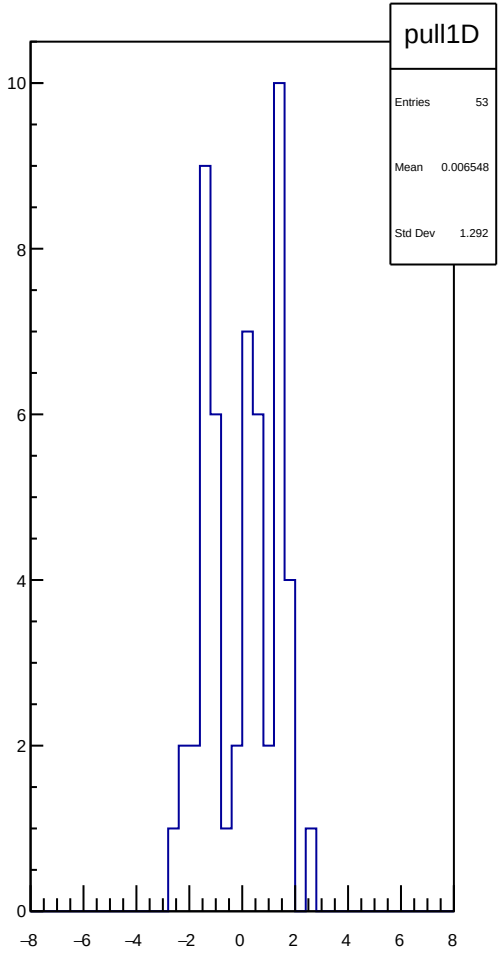

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 31.26 / 52
p0 7.272 ± 0.5859
pull
Entries 53
Mean −1685
Std Dev 1716

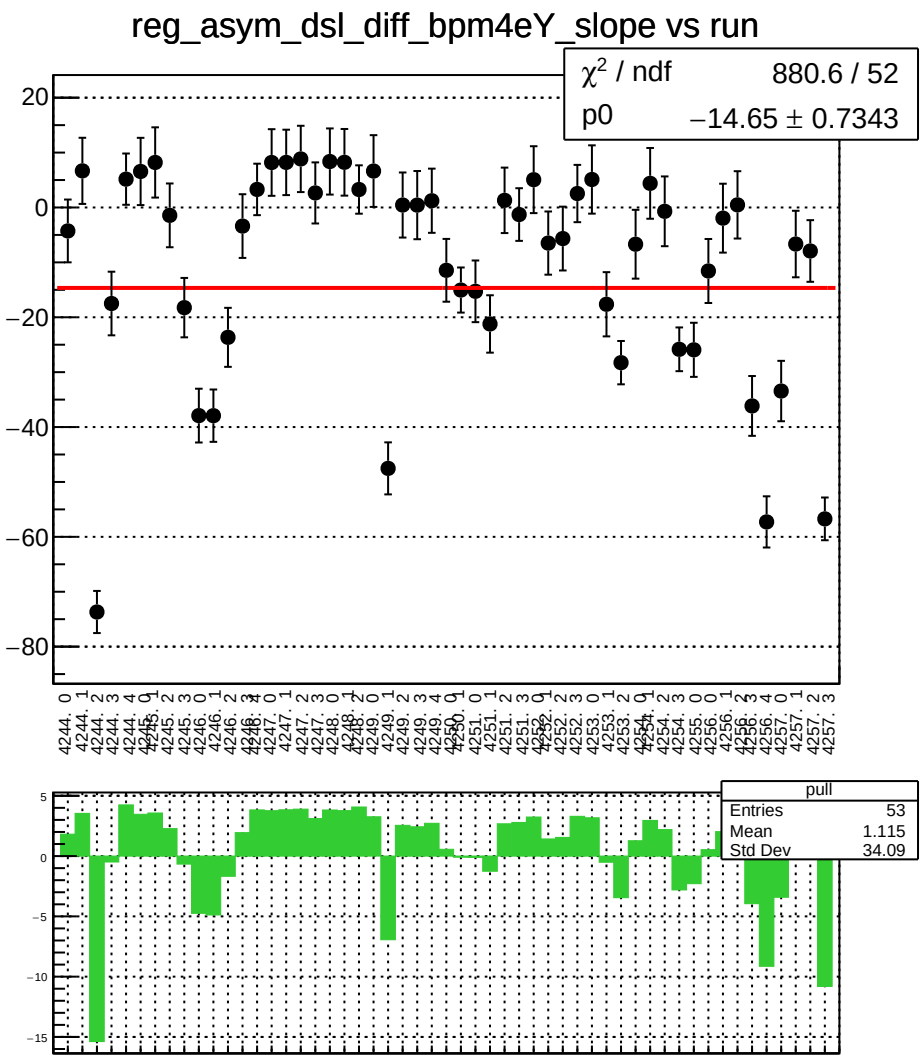

pull1D
Entries 53
Mean 0.002902
Std Dev 0.768

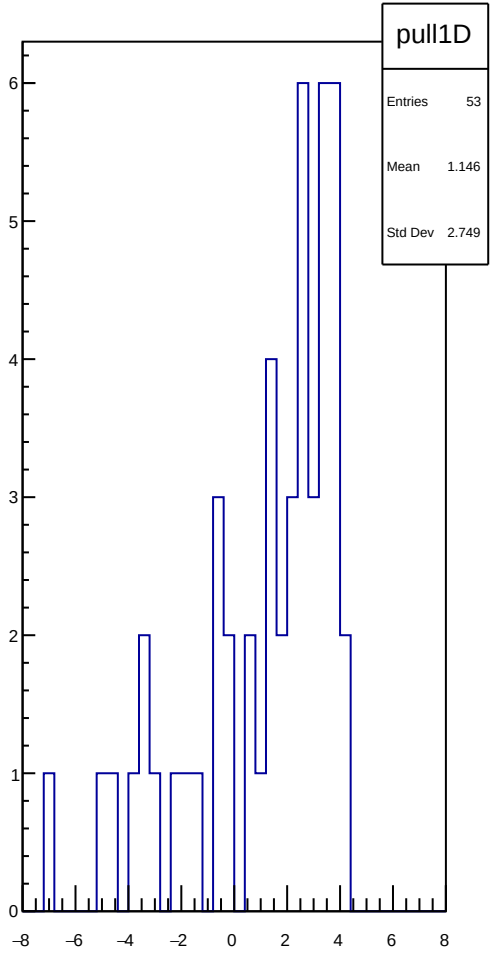

reg_asym_dsl_diff_bpm4aY_slope vs run
χ2 / ndf 846.2 / 52
p0 17.91 ± 0.445
pull
Entries 53
Mean −3.809
Std Dev 37.84

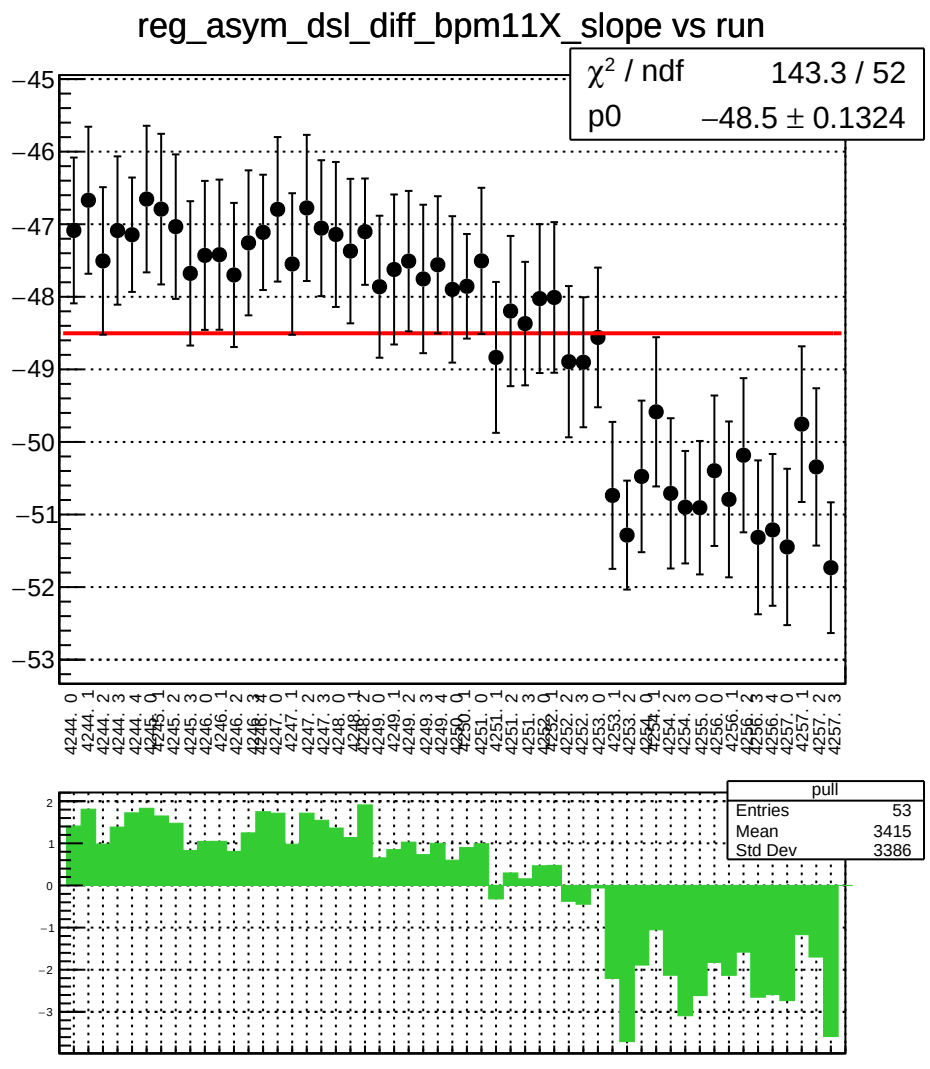

pull1D
Entries 53
Mean −1.097
Std Dev 2.743

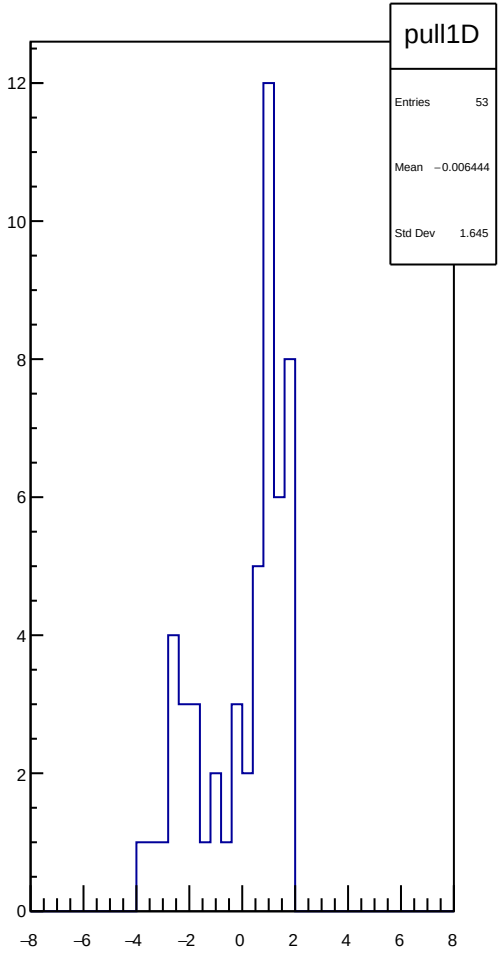

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 88.46 / 52
p0 −72.36 ± 0.1124
pull
Entries 53
Mean −1520
Std Dev 1551

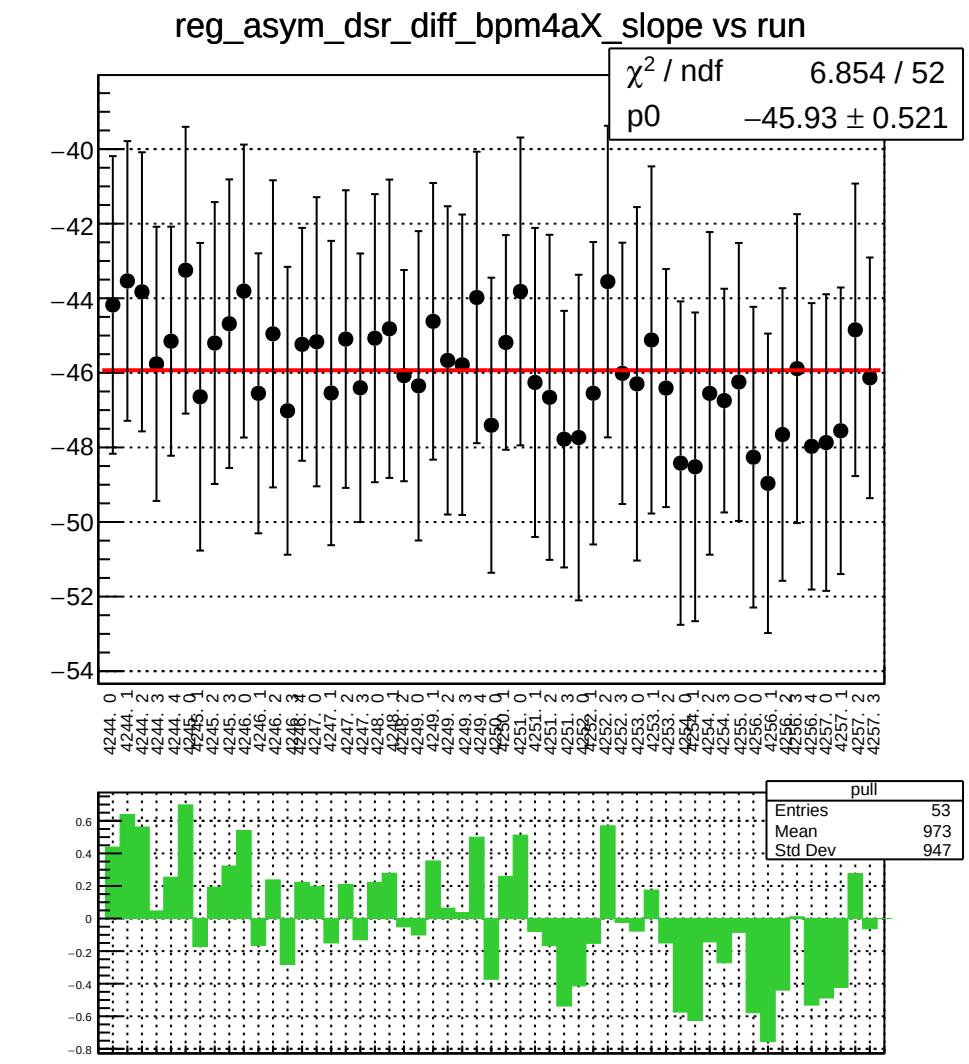

pull1D
Entries 53
Mean 0.006548
Std Dev 1.292

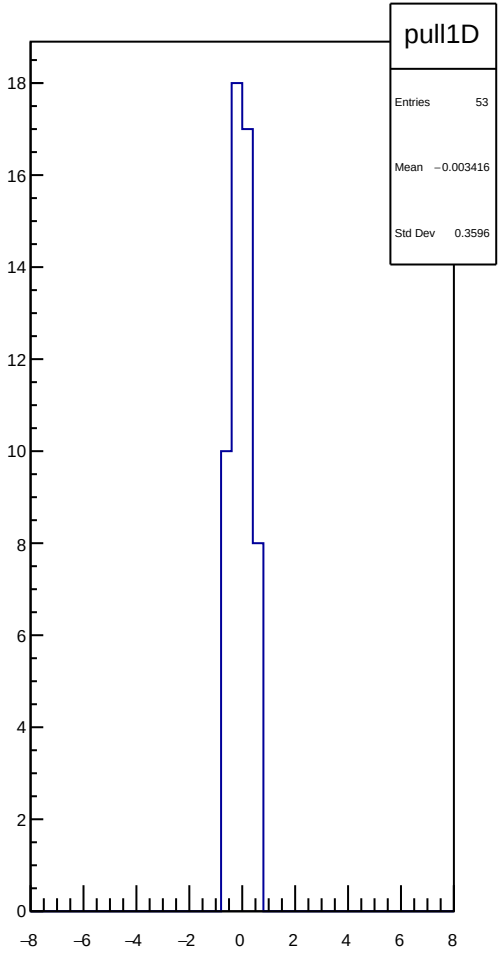

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 880.6 / 52
p0 −14.65 ± 0.7343
pull
Entries 53
Mean 1.115
Std Dev 34.09

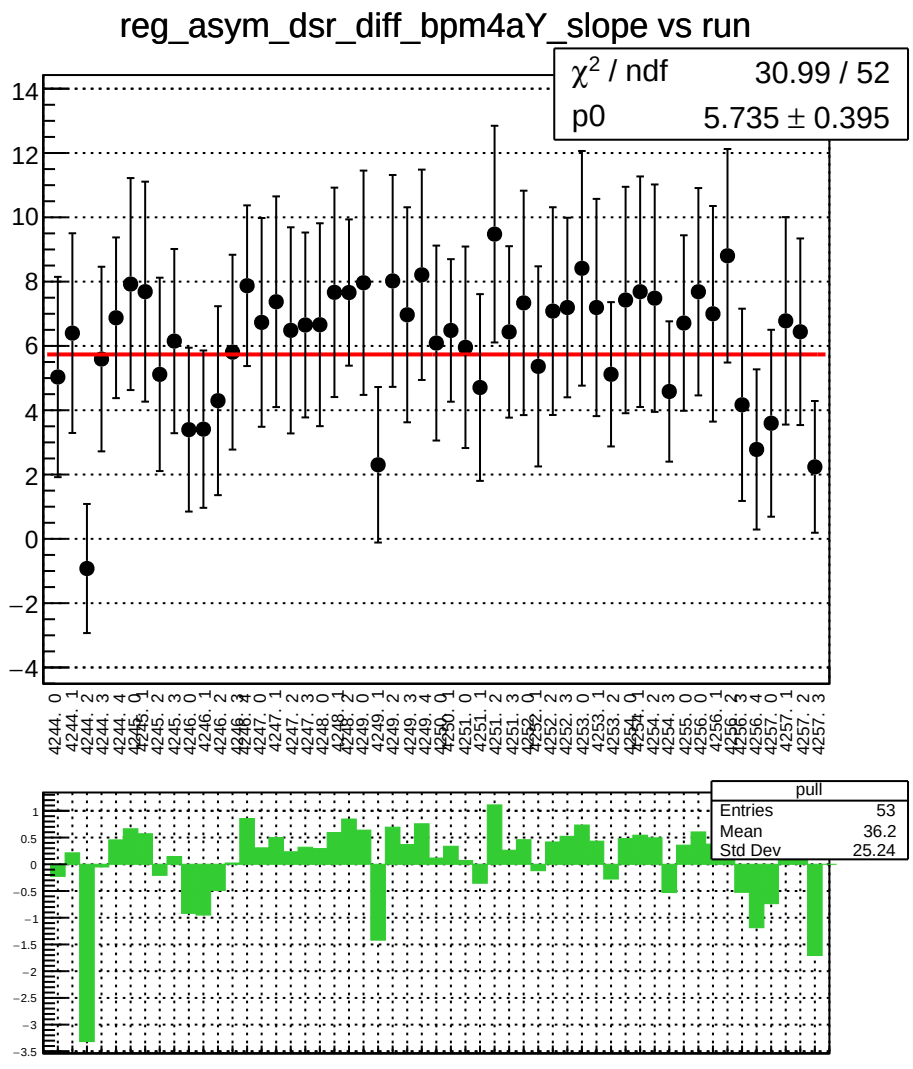

pull1D
Entries 53
Mean 1.146
Std Dev 2.749

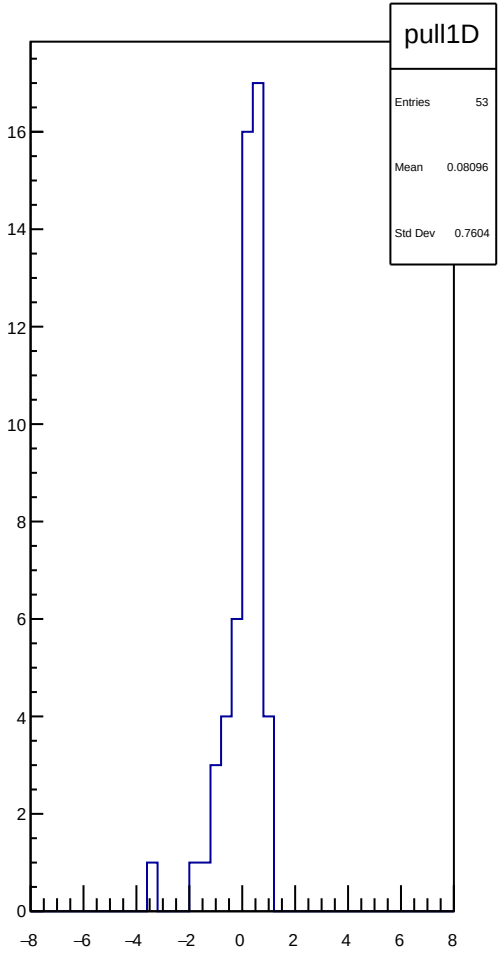

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 143.3 / 52
p0 −48.5 ± 0.1324
pull
Entries 53
Mean 3415
Std Dev 3386

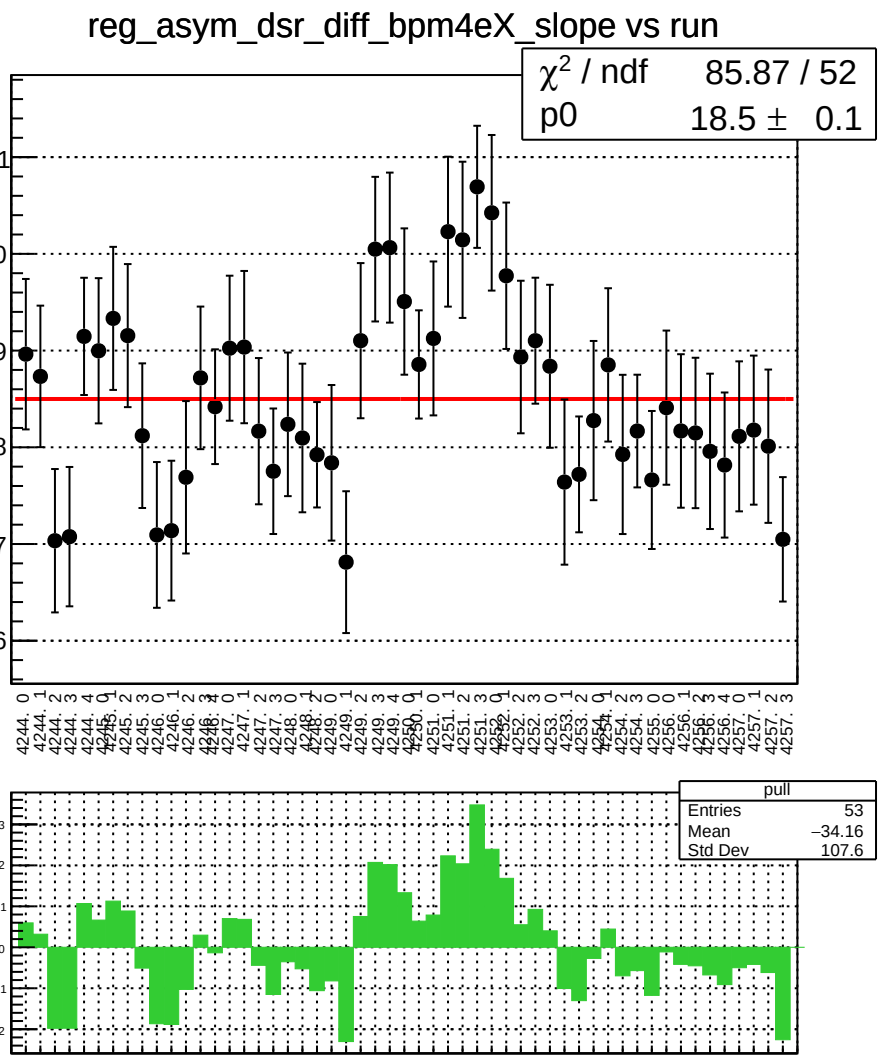

pull1D
Entries 53
Mean −0.006444
Std Dev 1.645

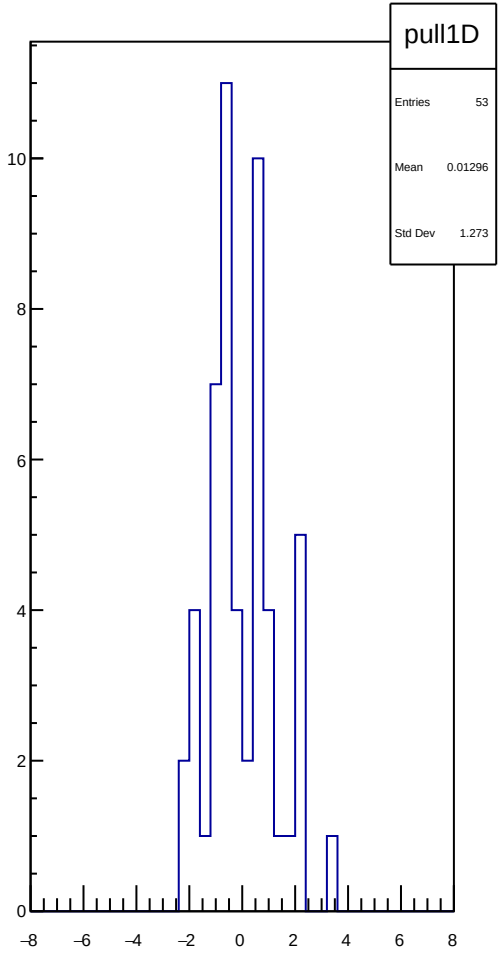

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 6.854 / 52
p0 −45.93 ± 0.521
pull
Entries 53
Mean 973
Std Dev 947

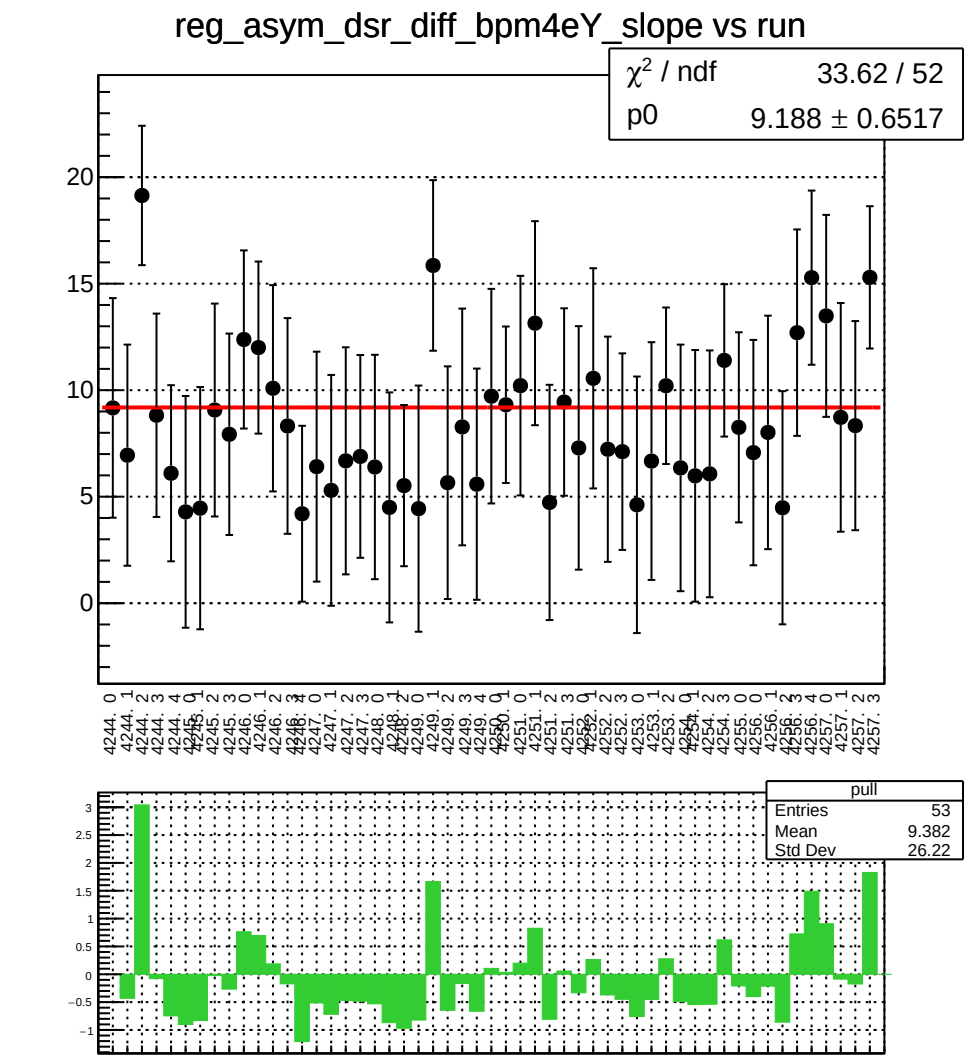

pull1D
Entries 53
Mean −0.003416
Std Dev 0.3596

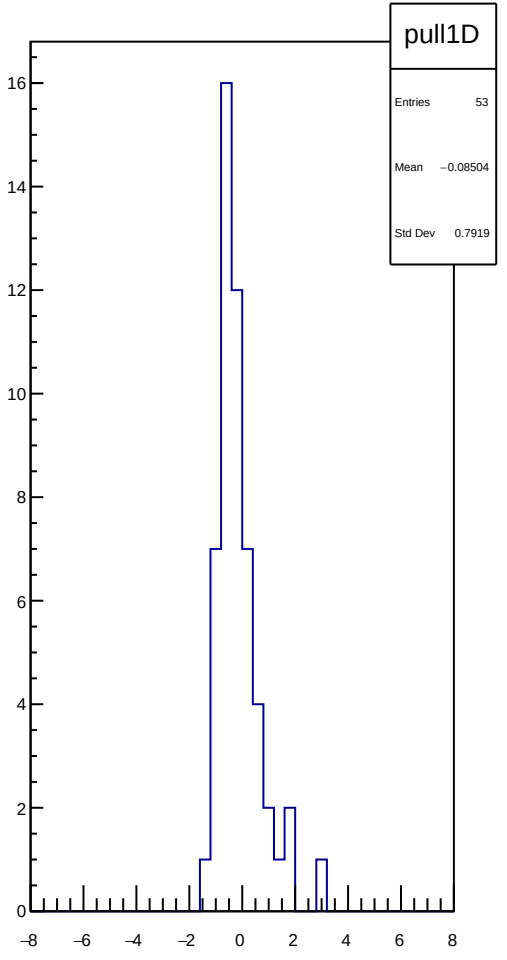

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 30.99 / 52
p0 5.735 ± 0.395
pull
Entries 53
Mean 36.2
Std Dev 25.24

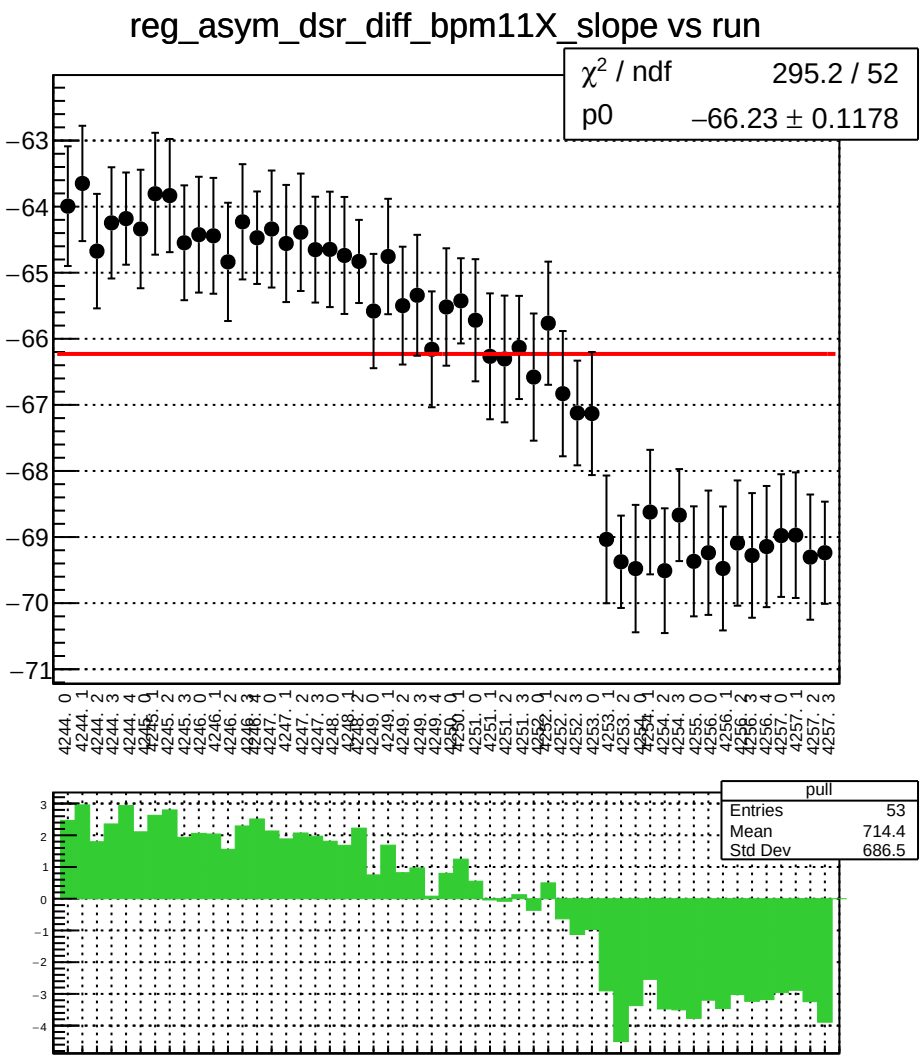

pull1D
Entries 53
Mean 0.08096
Std Dev 0.7604

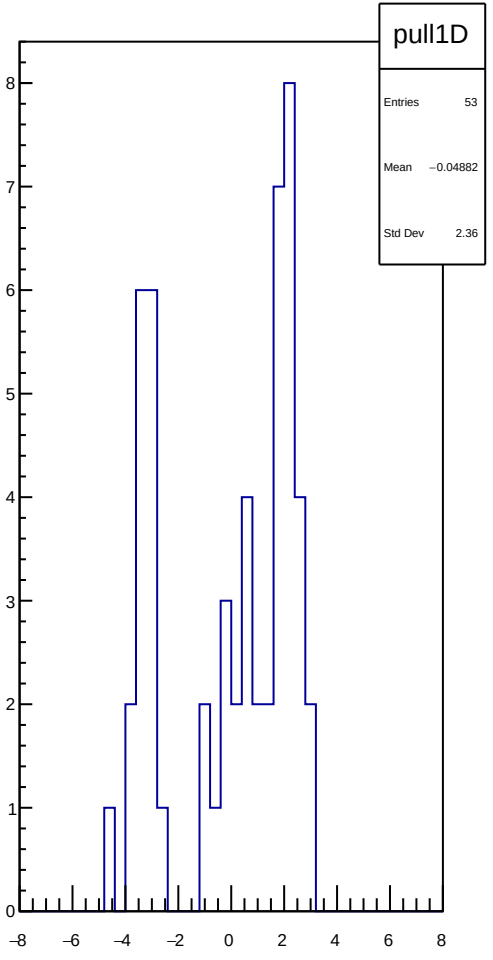

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 85.87 / 52
p0 18.5 ± 0.1
pull
Entries 53
Mean −34.16
Std Dev 107.6

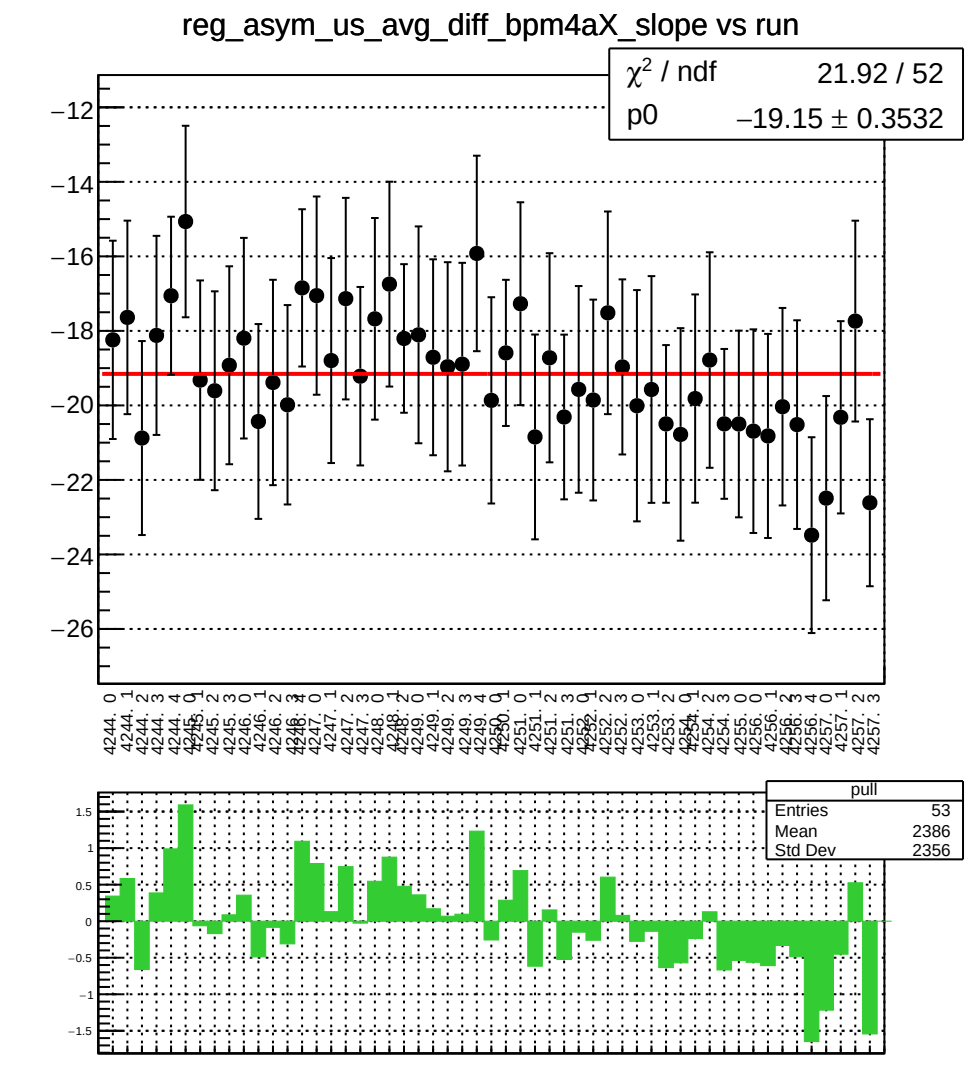

pull1D
Entries 53
Mean 0.01296
Std Dev 1.273

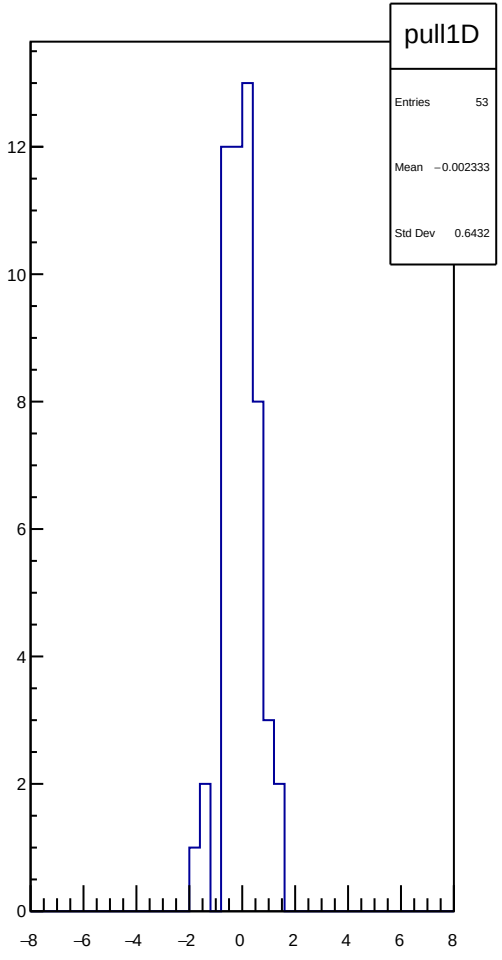

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 33.62 / 52
p0 9.188 ± 0.6517
pull
Entries 53
Mean 9.382
Std Dev 26.22

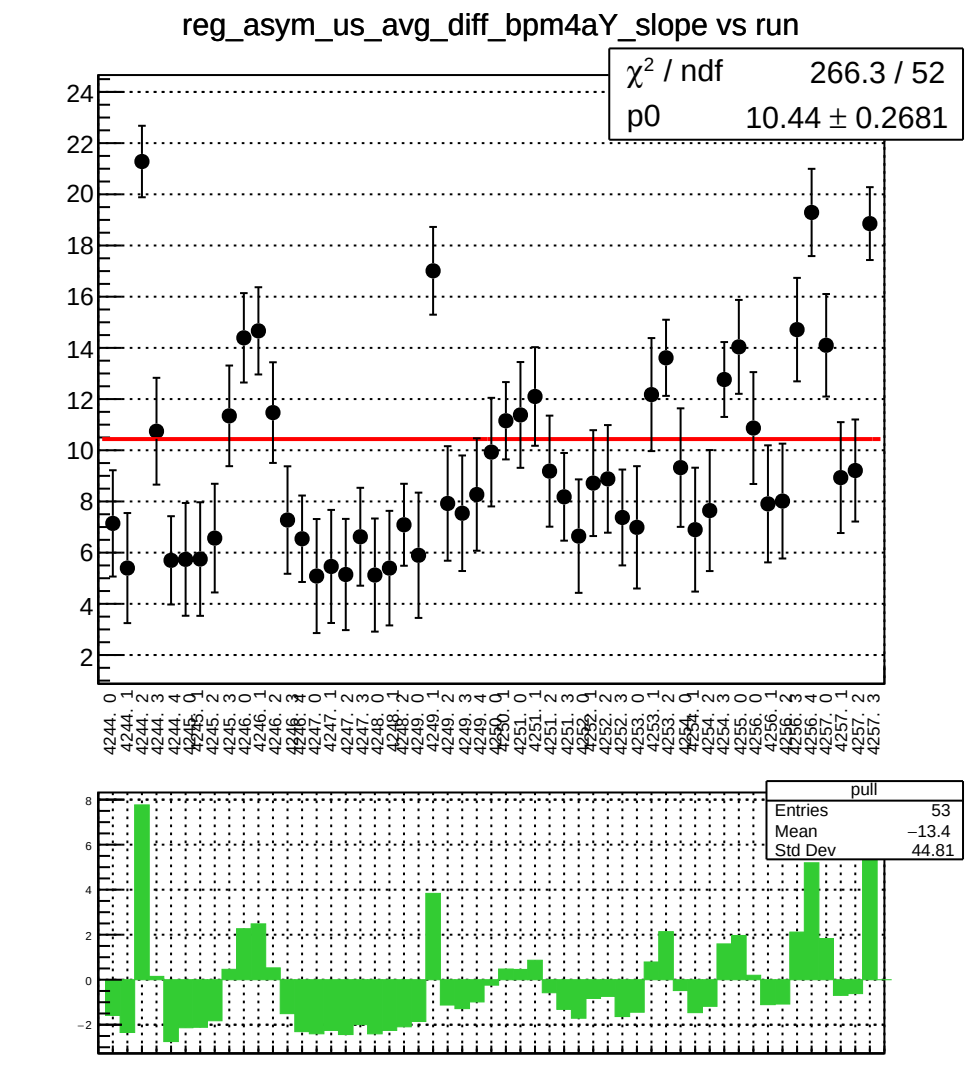

pull1D
Entries 53
Mean −0.08504
Std Dev 0.7919

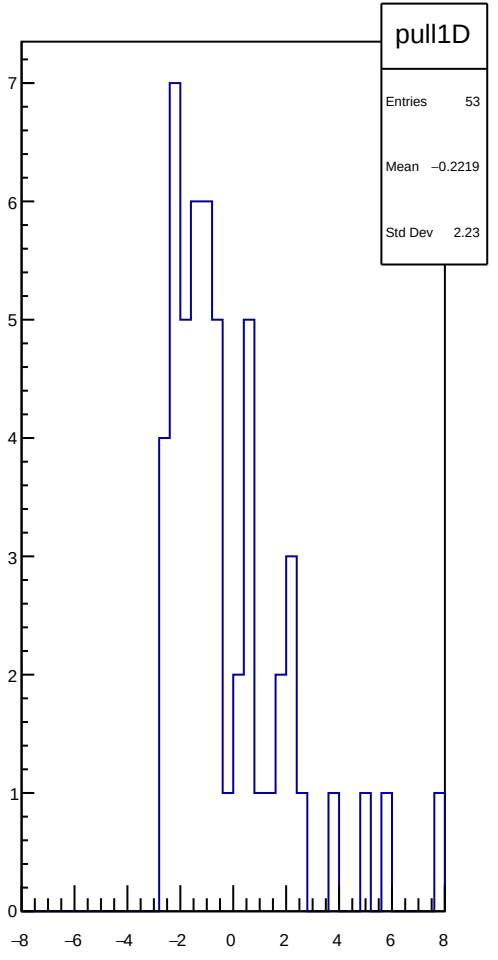

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 295.2 / 52
p0 −66.23 ± 0.1178
pull
Entries 53
Mean 714.4
Std Dev 686.5

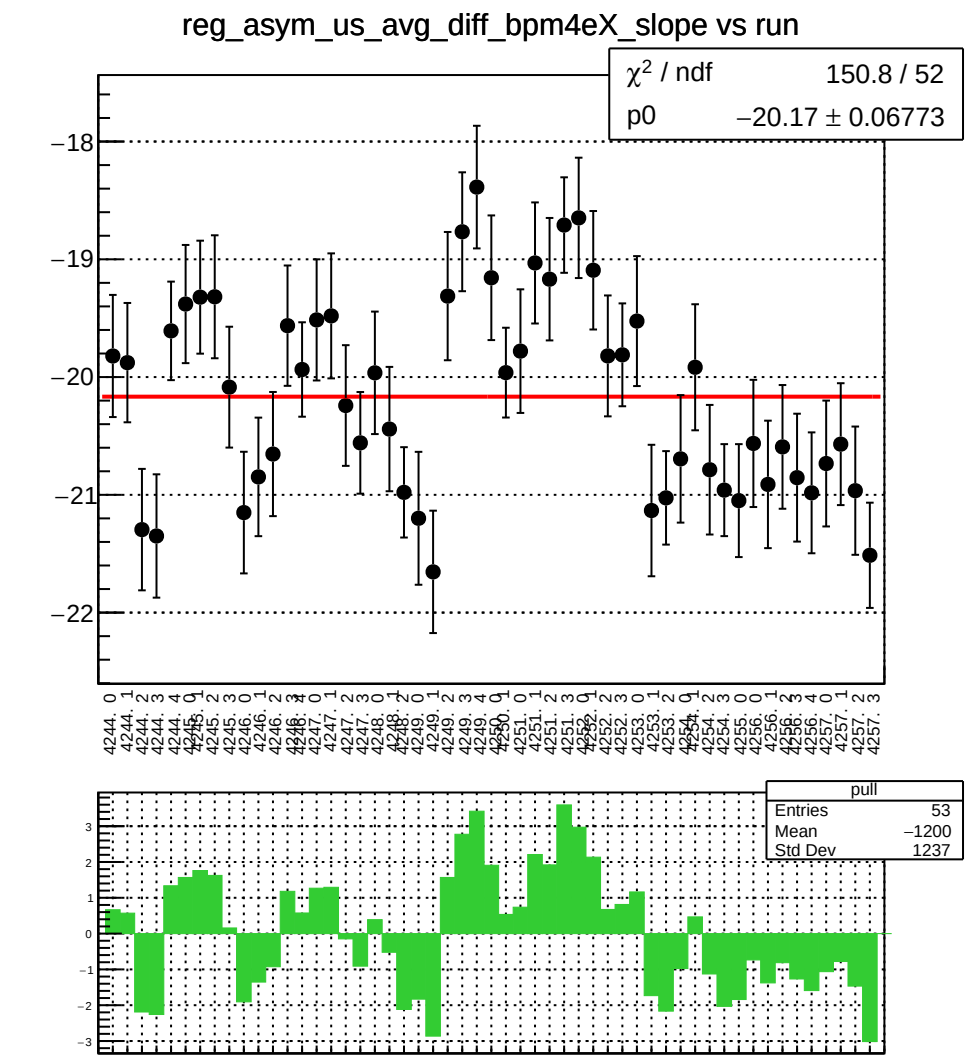

pull1D
Entries 53
Mean −0.04882
Std Dev 2.36

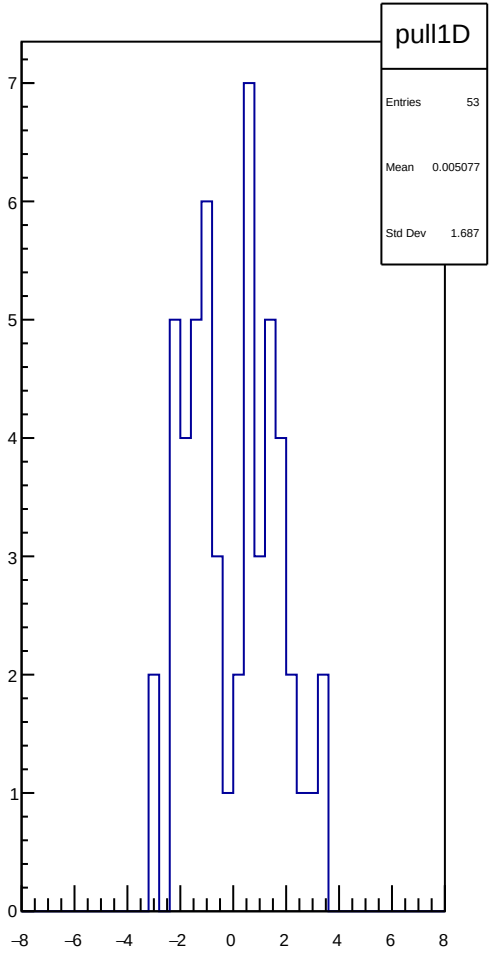

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 21.92 / 52
p0 −19.15 ± 0.3532
pull
Entries 53
Mean 2386
Std Dev 2356

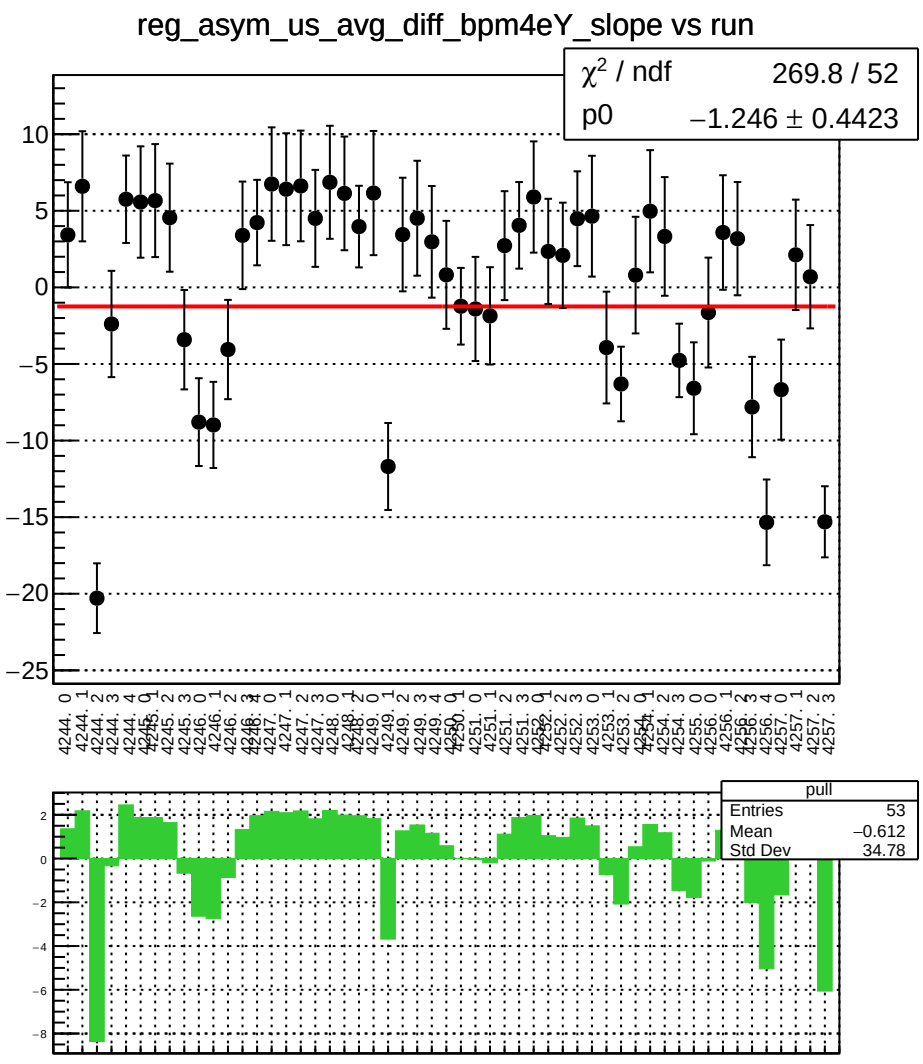

pull1D
Entries 53
Mean −0.002333
Std Dev 0.6432

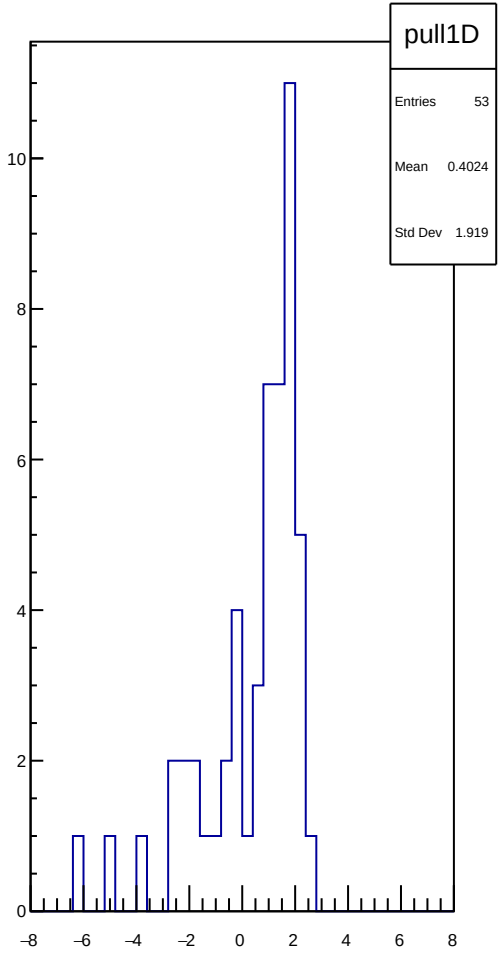

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 266.3 / 52
p0 10.44 ± 0.2681
pull
Entries 53
Mean −13.4
Std Dev 44.81

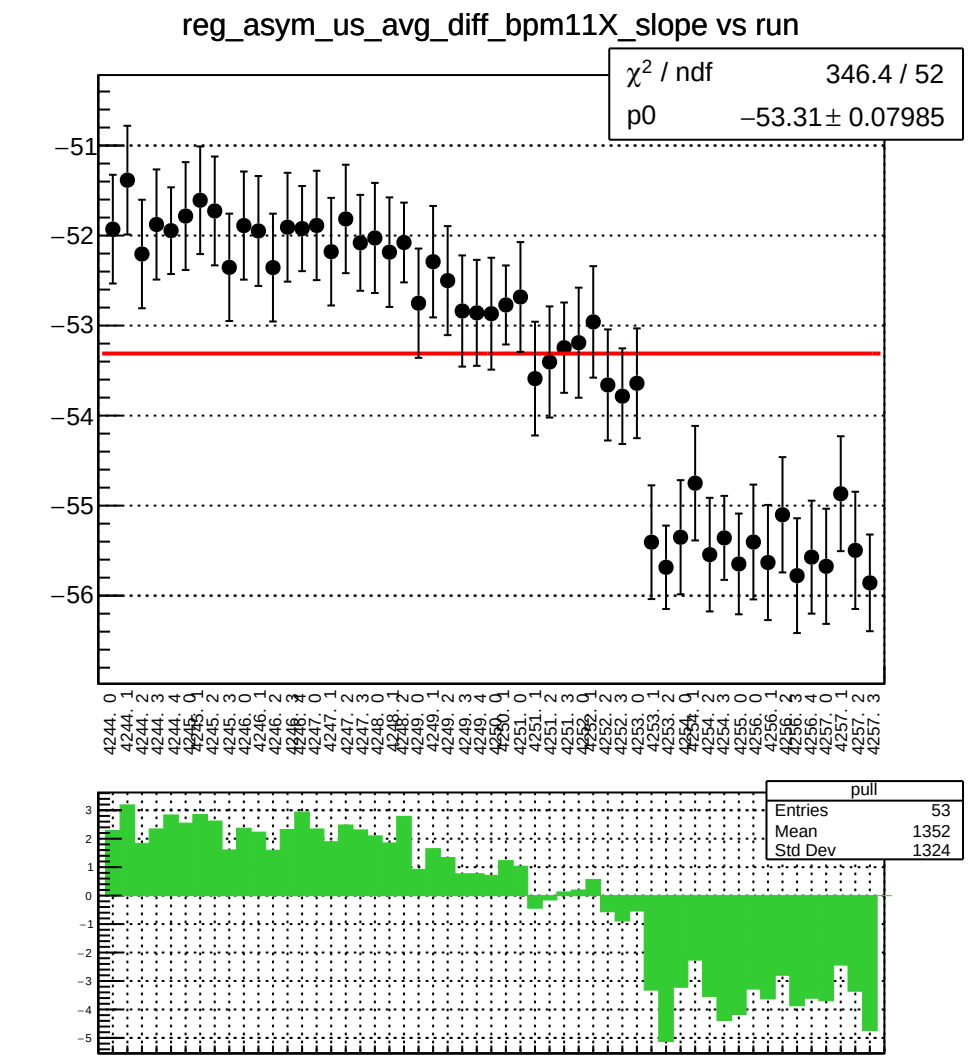

pull1D
Entries 53
Mean −0.2219
Std Dev 2.23

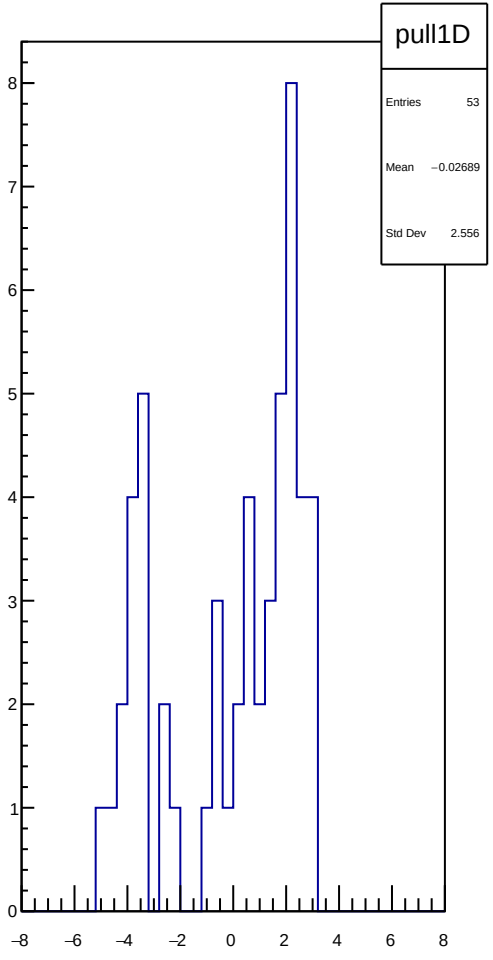

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 150.8 / 52
p0 −20.17 ± 0.06773
pull
Entries 53
Mean −1200
Std Dev 1237

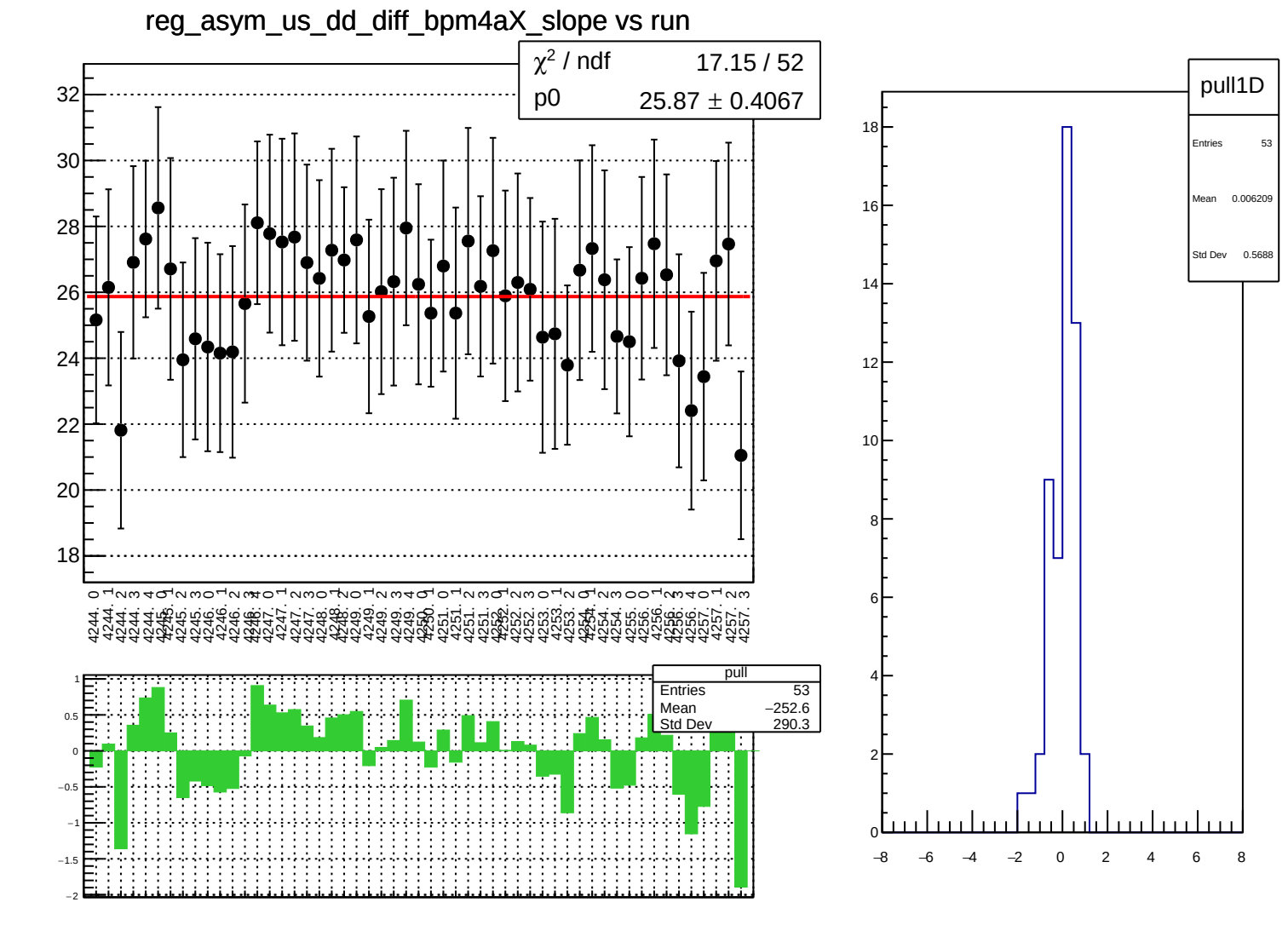

pull1D
Entries 53
Mean 0.005077
Std Dev 1.687

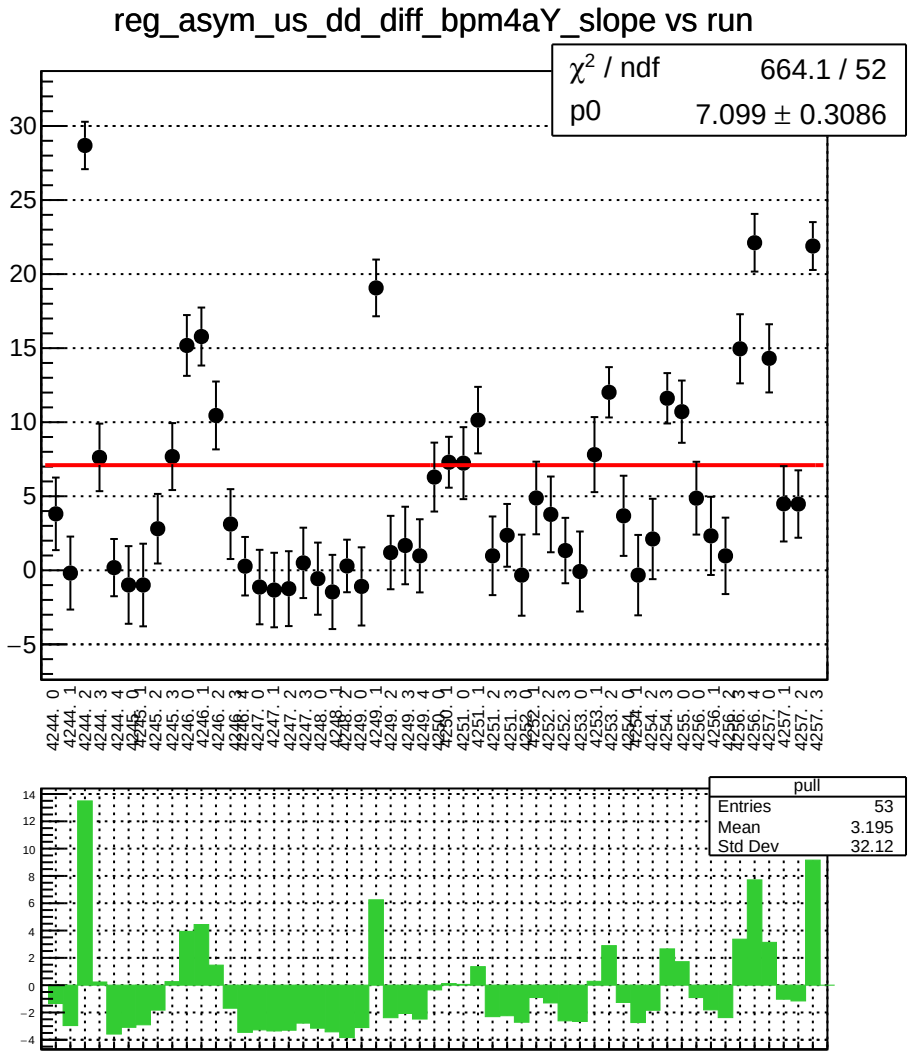

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 269.8 / 52
p0 −1.246 ± 0.4423
pull
Entries 53
Mean −0.612
Std Dev 34.78

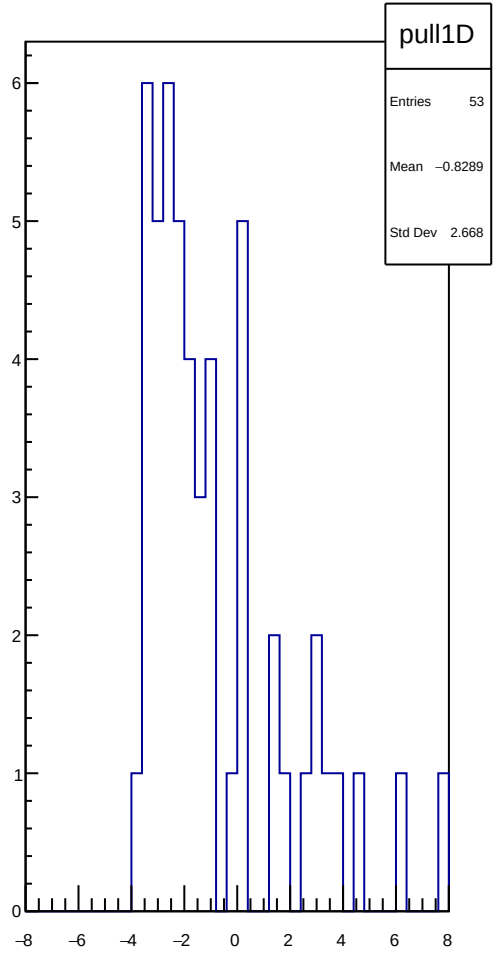

pull1D
Entries 53
Mean 0.4024
Std Dev 1.919

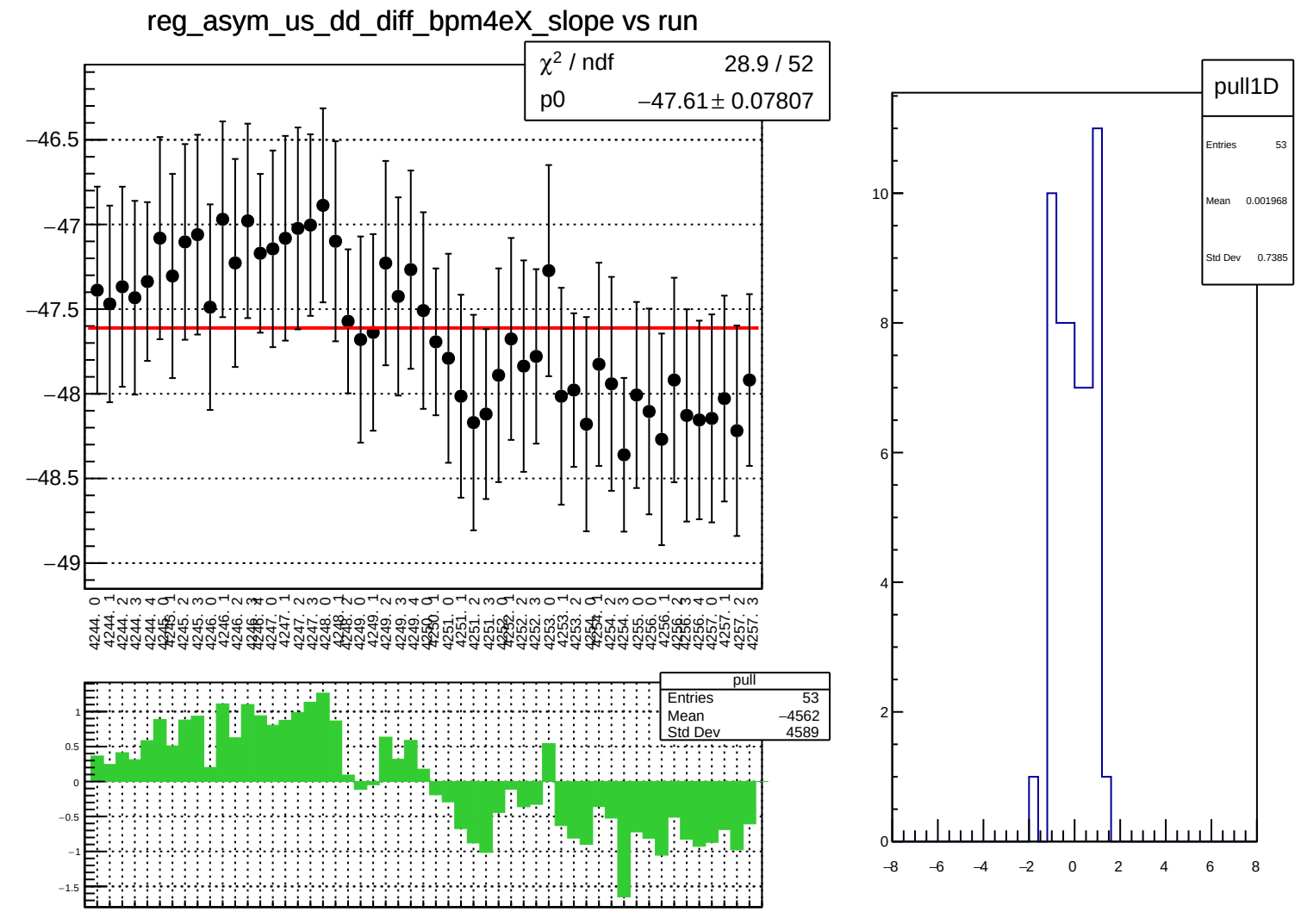

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 346.4 / 52
p0 −53.31 ± 0.07985
pull
Entries 53
Mean 1352
Std Dev 1324

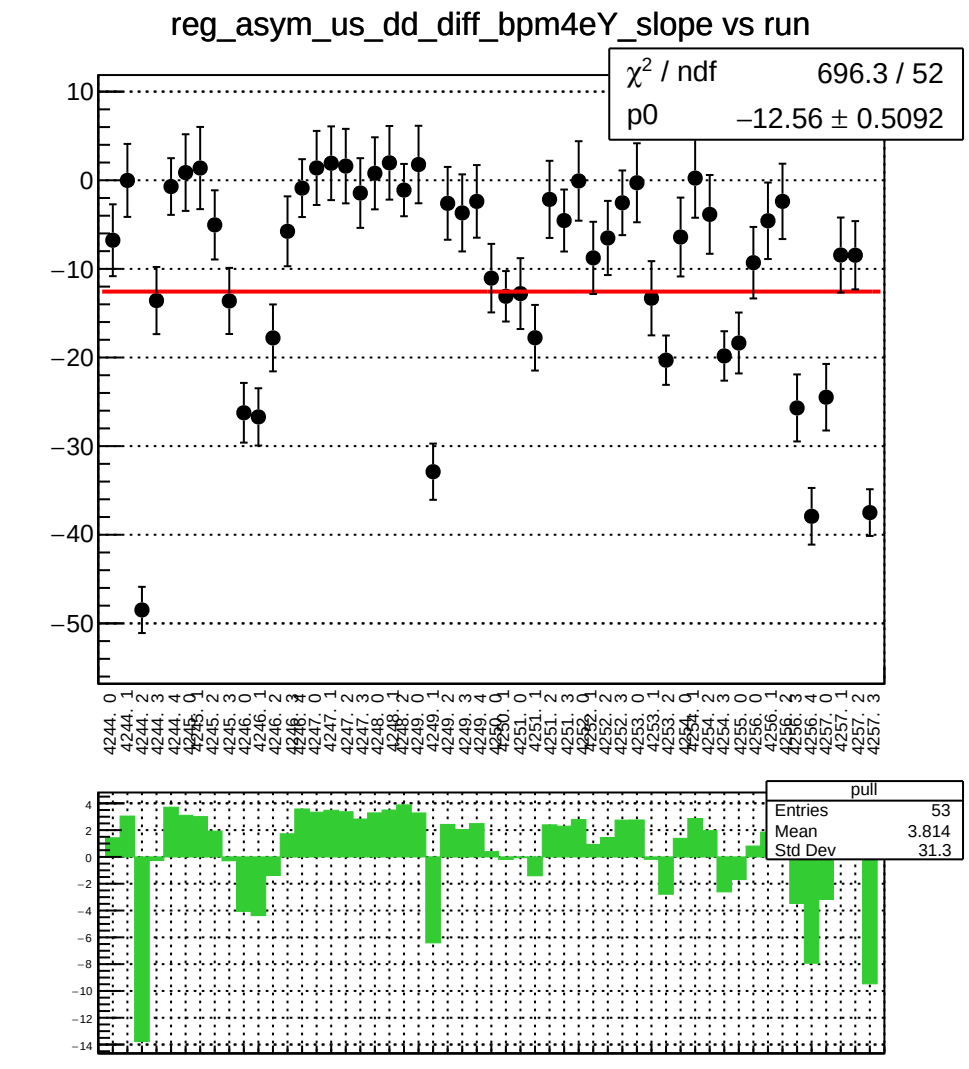

pull1D
Entries 53
Mean −0.02689
Std Dev 2.556

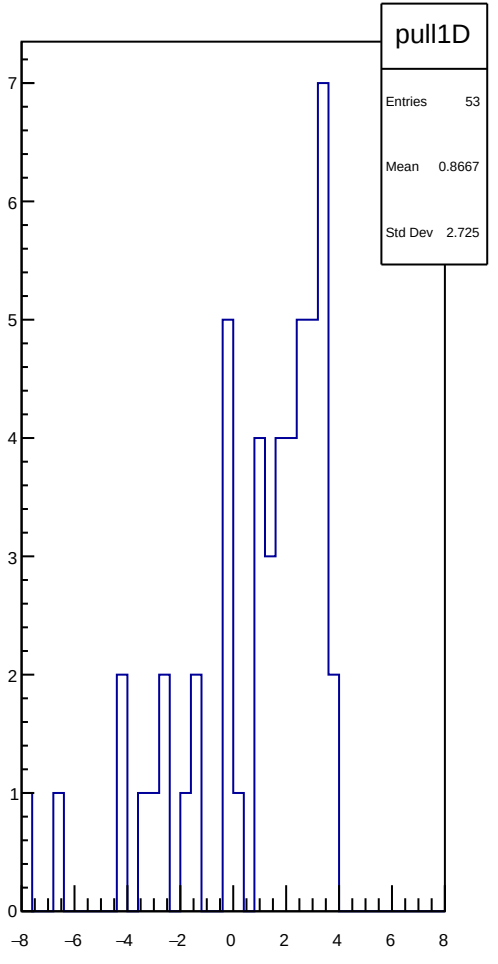

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 17.15 / 52
p0 25.87 ± 0.4067
pull
Entries 53
Mean −252.6
Std Dev 290.3
pull1D
Entries 53
Mean 0.006209
Std Dev 0.5688

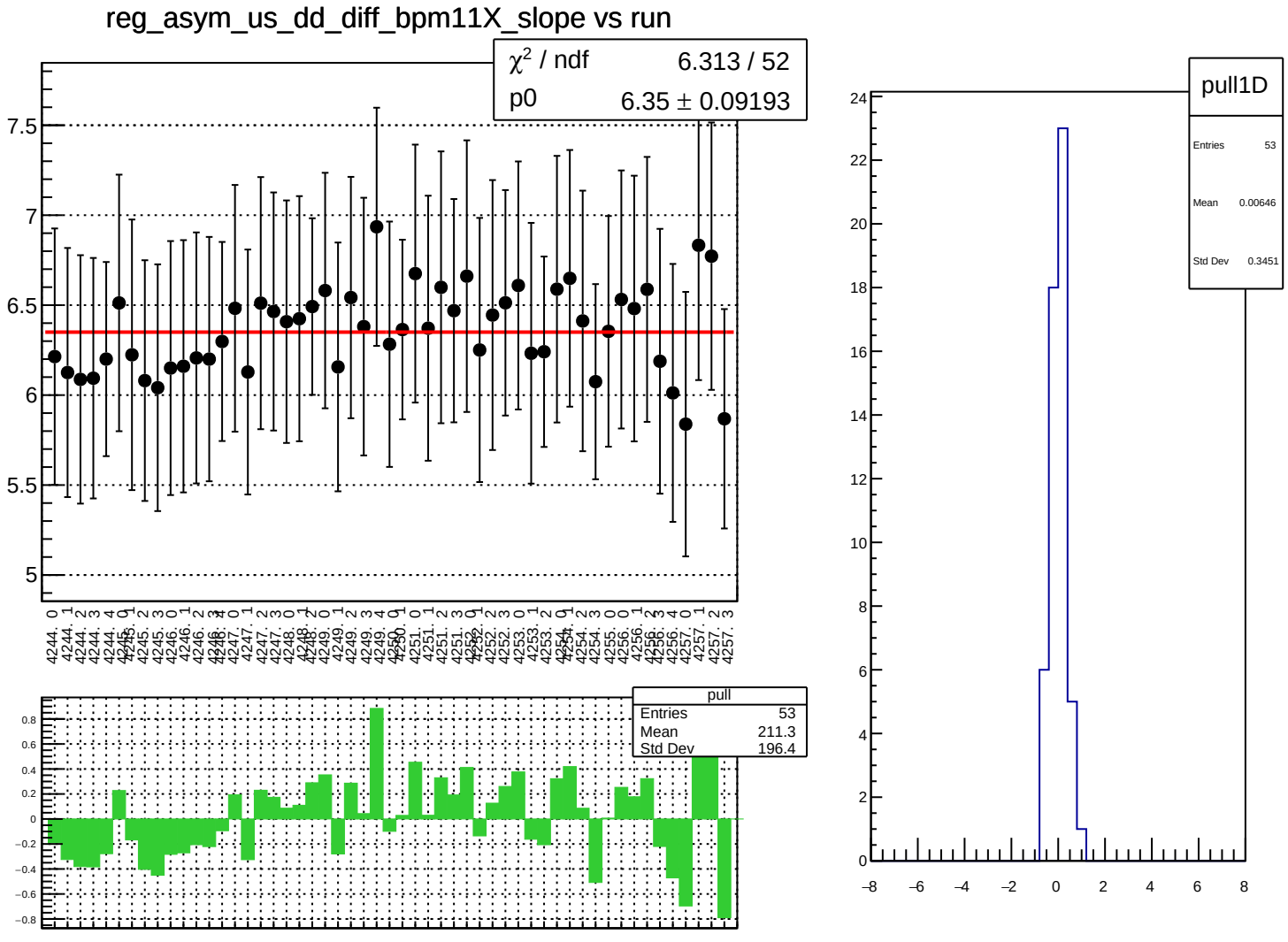

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 664.1 / 52
p0 7.099 ± 0.3086
pull
Entries 53
Mean 3.195
Std Dev 32.12

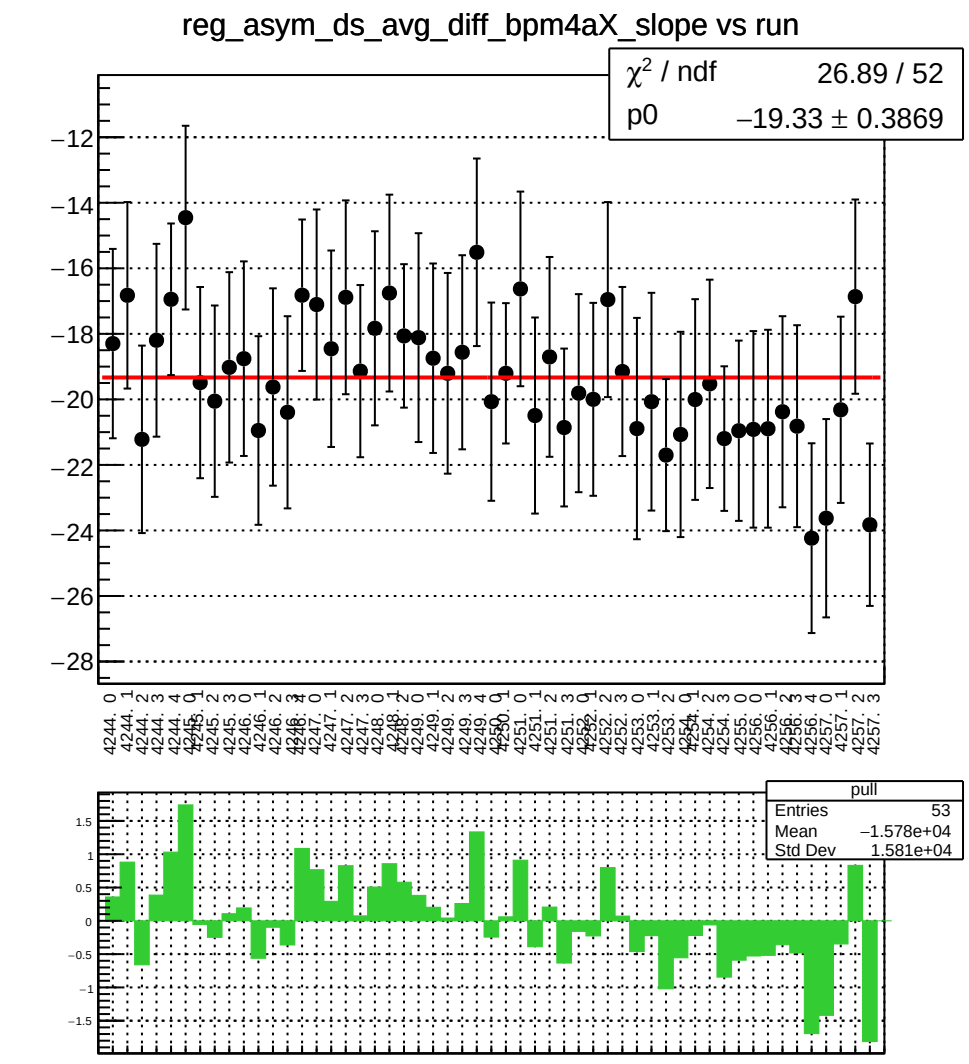

pull1D
Entries 53
Mean −0.8289
Std Dev 2.668

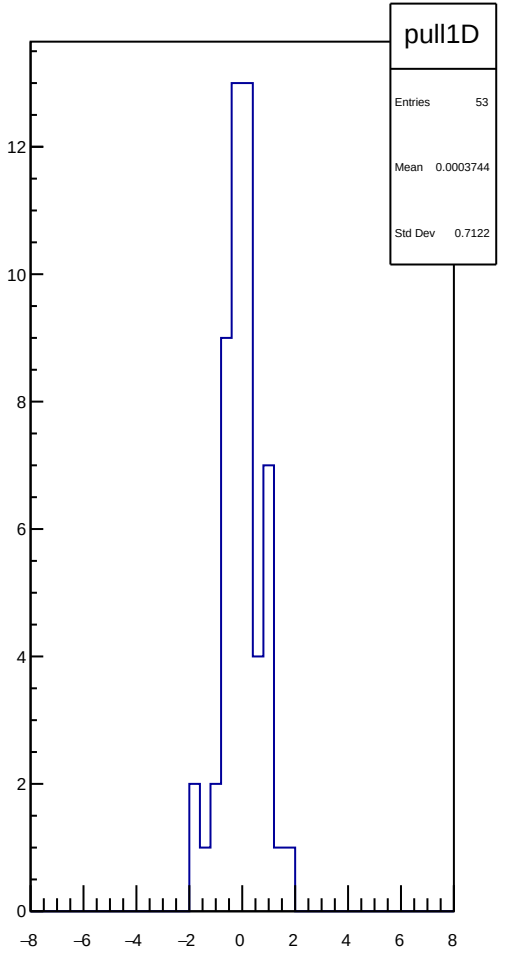

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.9 / 52
p0 −47.61 ± 0.07807
−46.5
−47
−47.5
−48
−48.5
−49
pull
Entries 53
Mean −4562
Std Dev 4589
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 53
Mean 0.001968
Std Dev 0.7385
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

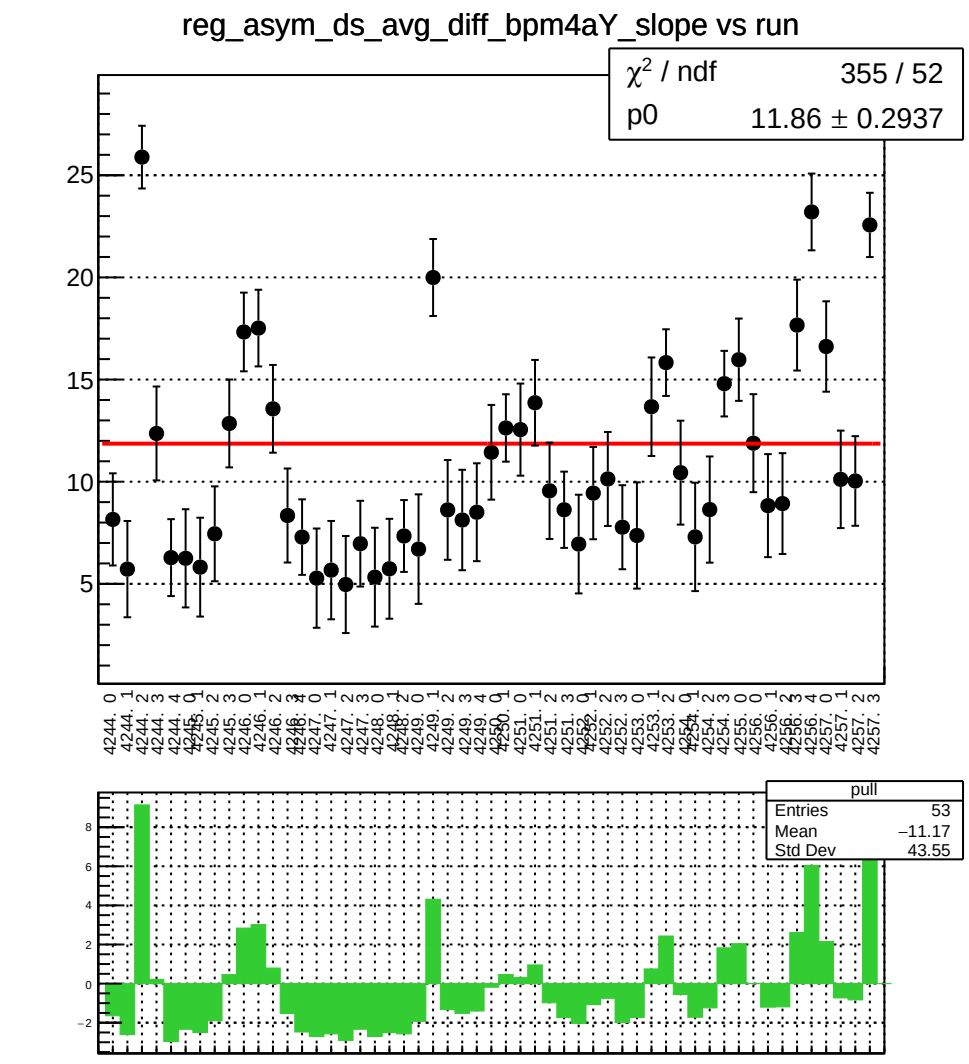

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 696.3 / 52
p0 −12.56 ± 0.5092
pull
Entries 53
Mean 3.814
Std Dev 31.3

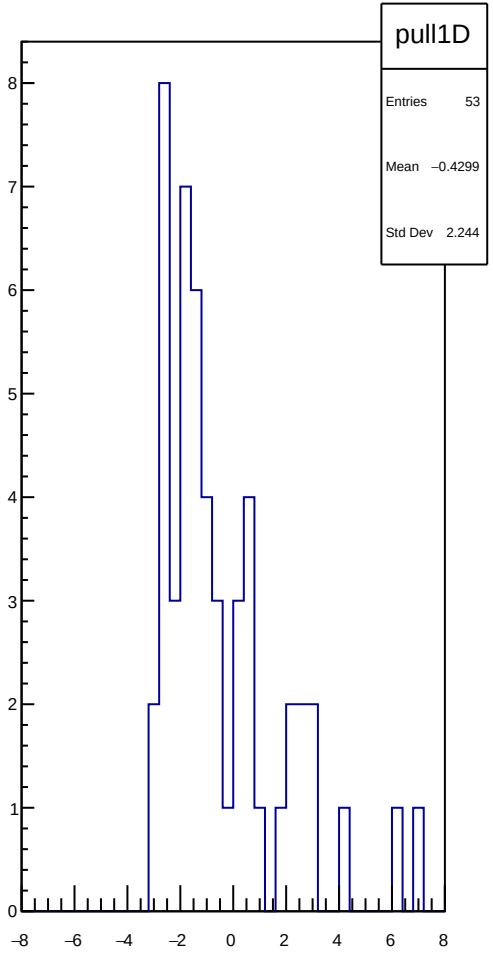

pull1D
Entries 53
Mean 0.8667
Std Dev 2.725

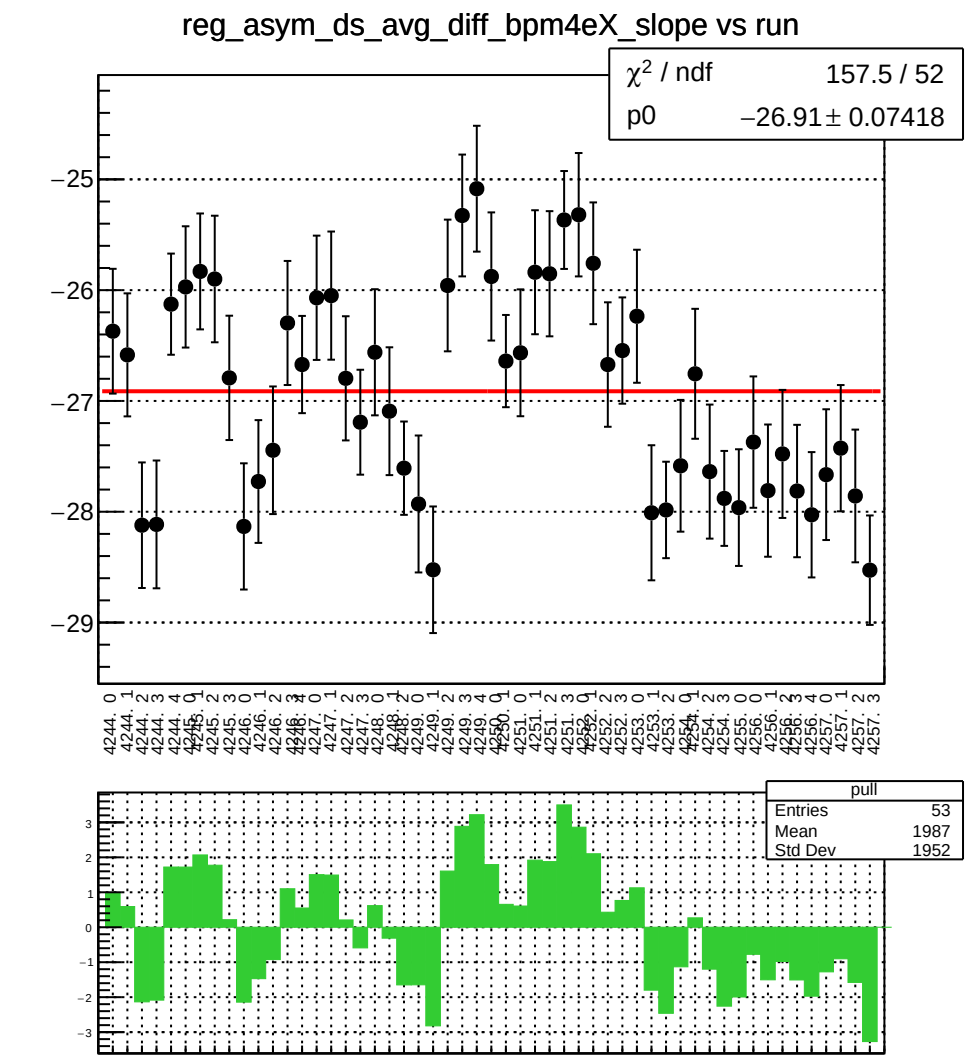

reg_asym_us_dd_diff_bpm11X_slope vs run
χ² / ndf 6.313 / 52
p0 6.35 ± 0.09193
pull
Entries 53
Mean 211.3
Std Dev 196.4
pull1D
Entries 53
Mean 0.00646
Std Dev 0.3451

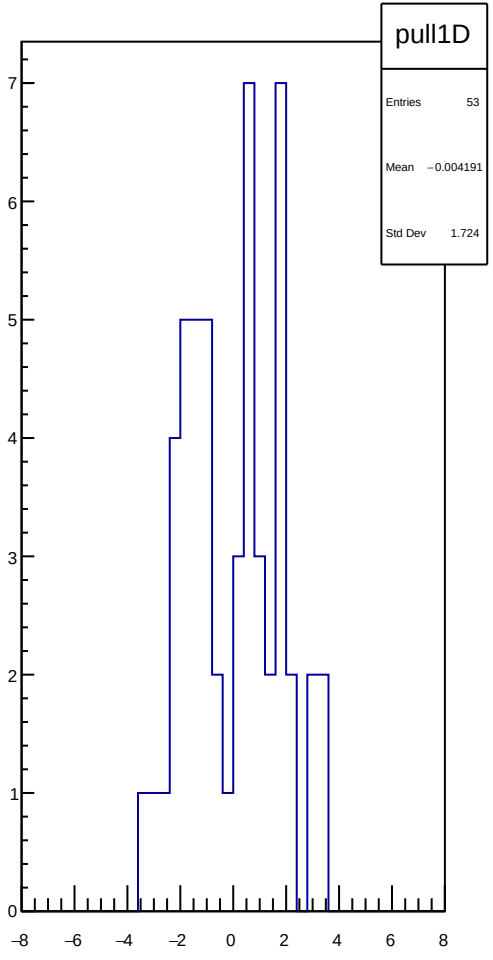

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 26.89 / 52
p0 −19.33 ± 0.3869
pull
Entries 53
Mean −1.578e+04
Std Dev 1.581e+04

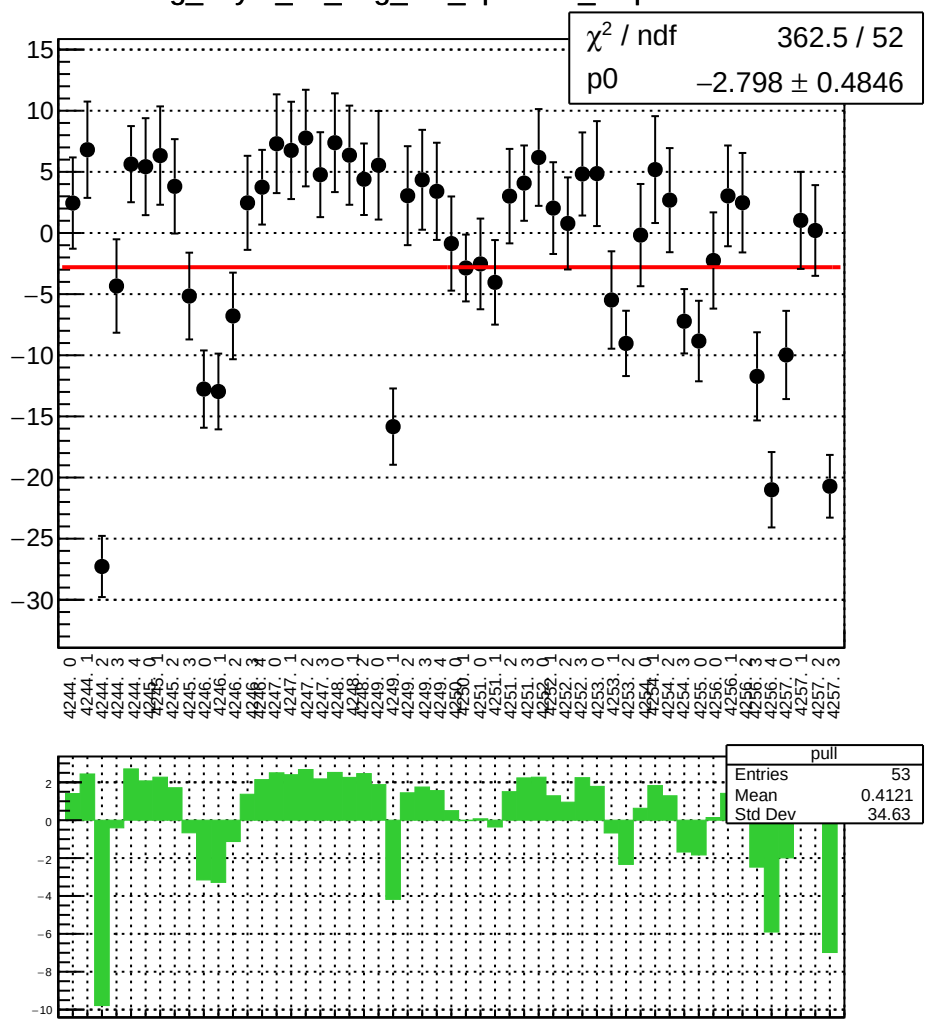

pull1D
Entries 53
Mean 0.0003744
Std Dev 0.7122

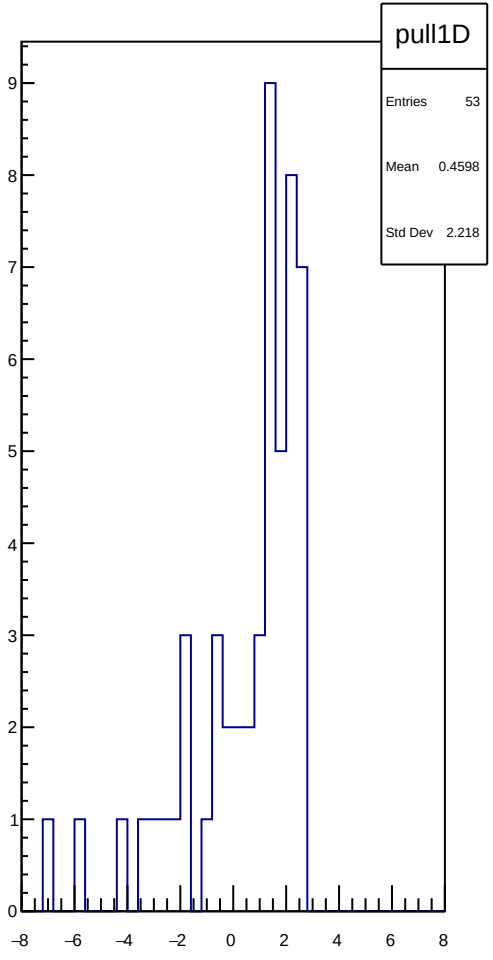

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 355 / 52
p0 11.86 ± 0.2937
pull
Entries 53
Mean −11.17
Std Dev 43.55

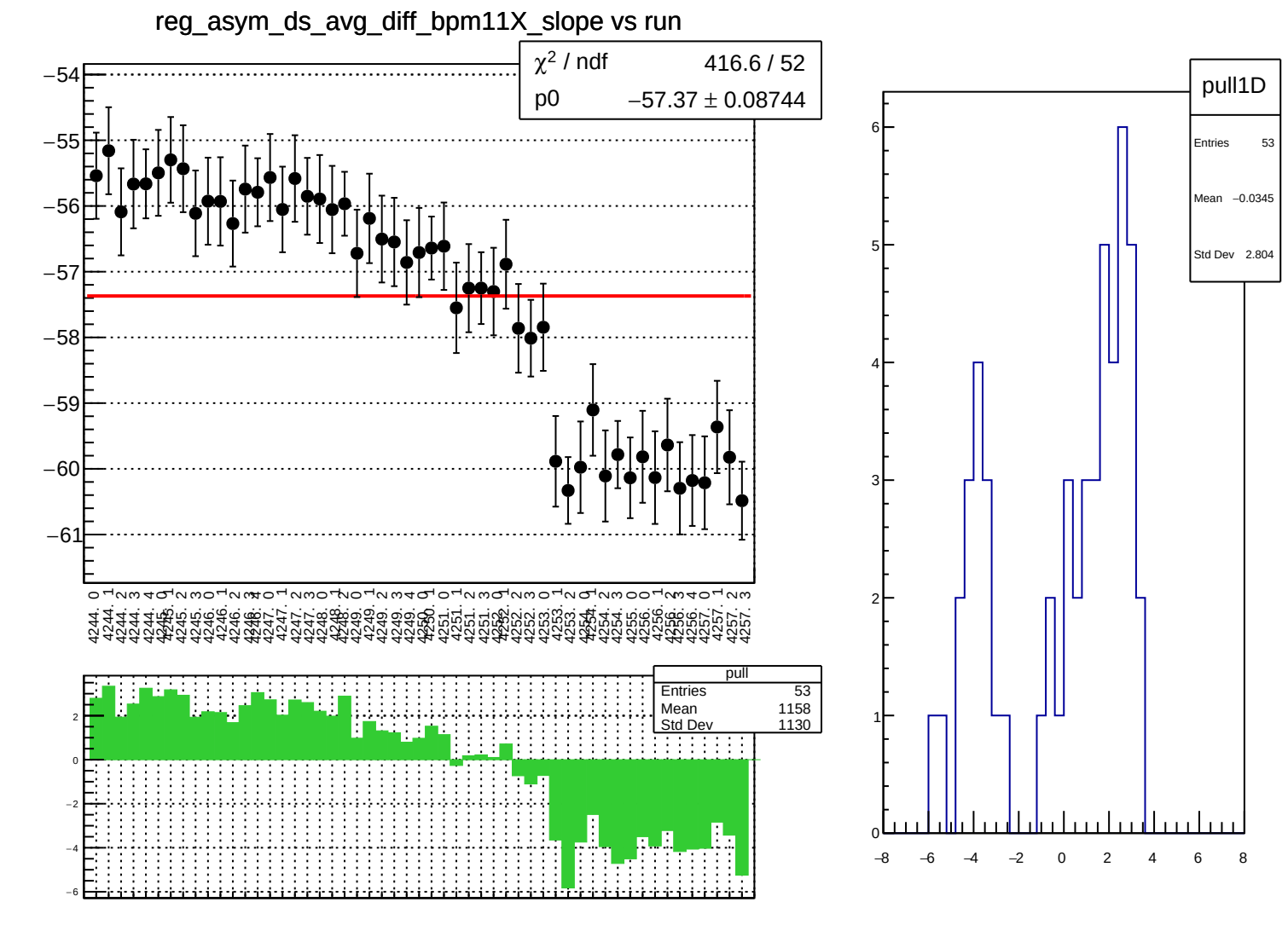

pull1D
Entries 53
Mean −0.4299
Std Dev 2.244

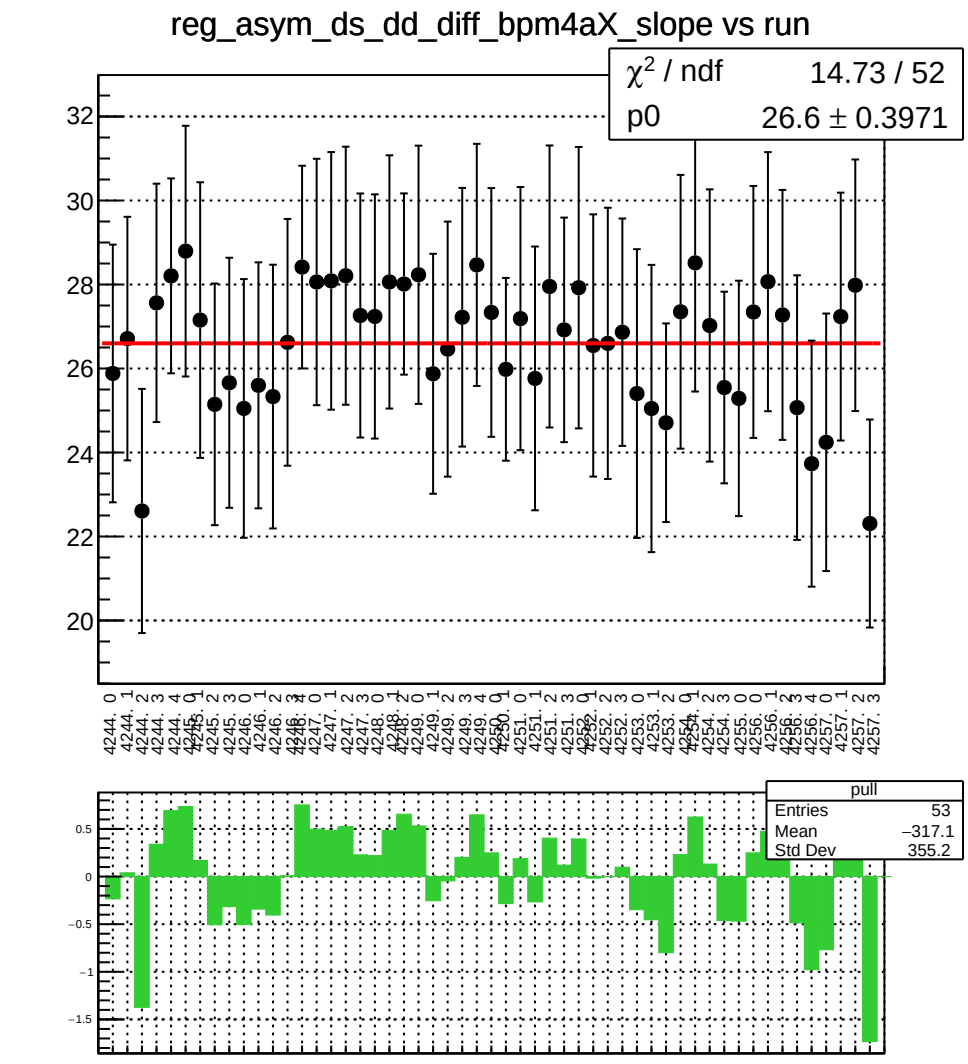

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 157.5 / 52
p0 −26.91 ± 0.07418
pull
Entries 53
Mean 1987
Std Dev 1952

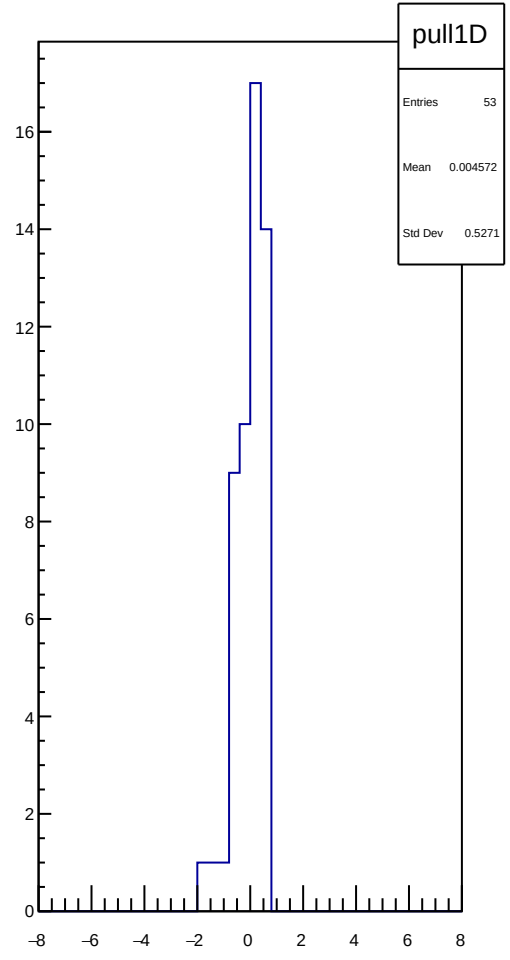

pull1D
Entries 53
Mean −0.004191
Std Dev 1.724

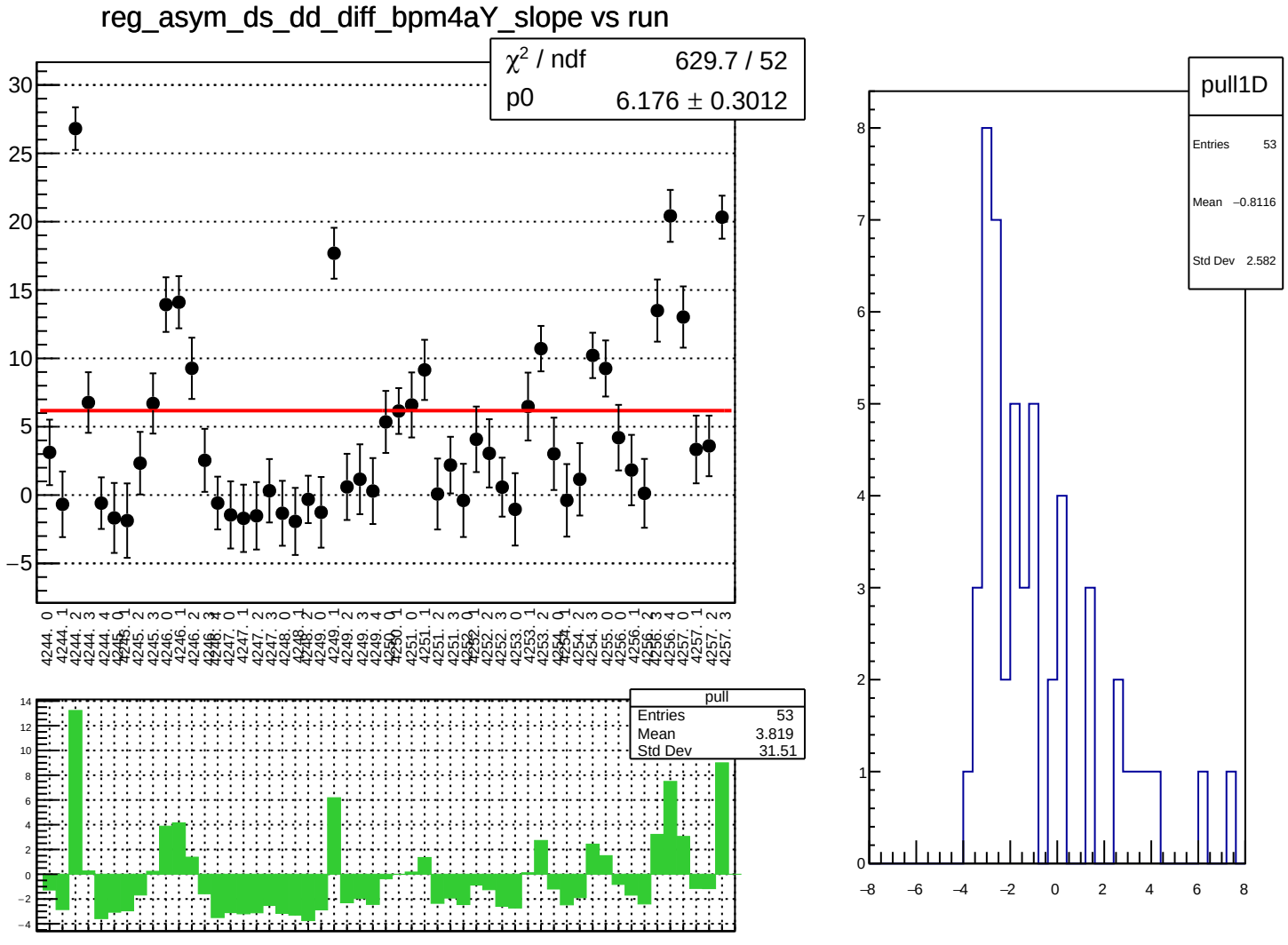

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 362.5 / 52
p0 −2.798 ± 0.4846
pull
Entries 53
Mean 0.4121
Std Dev 34.63

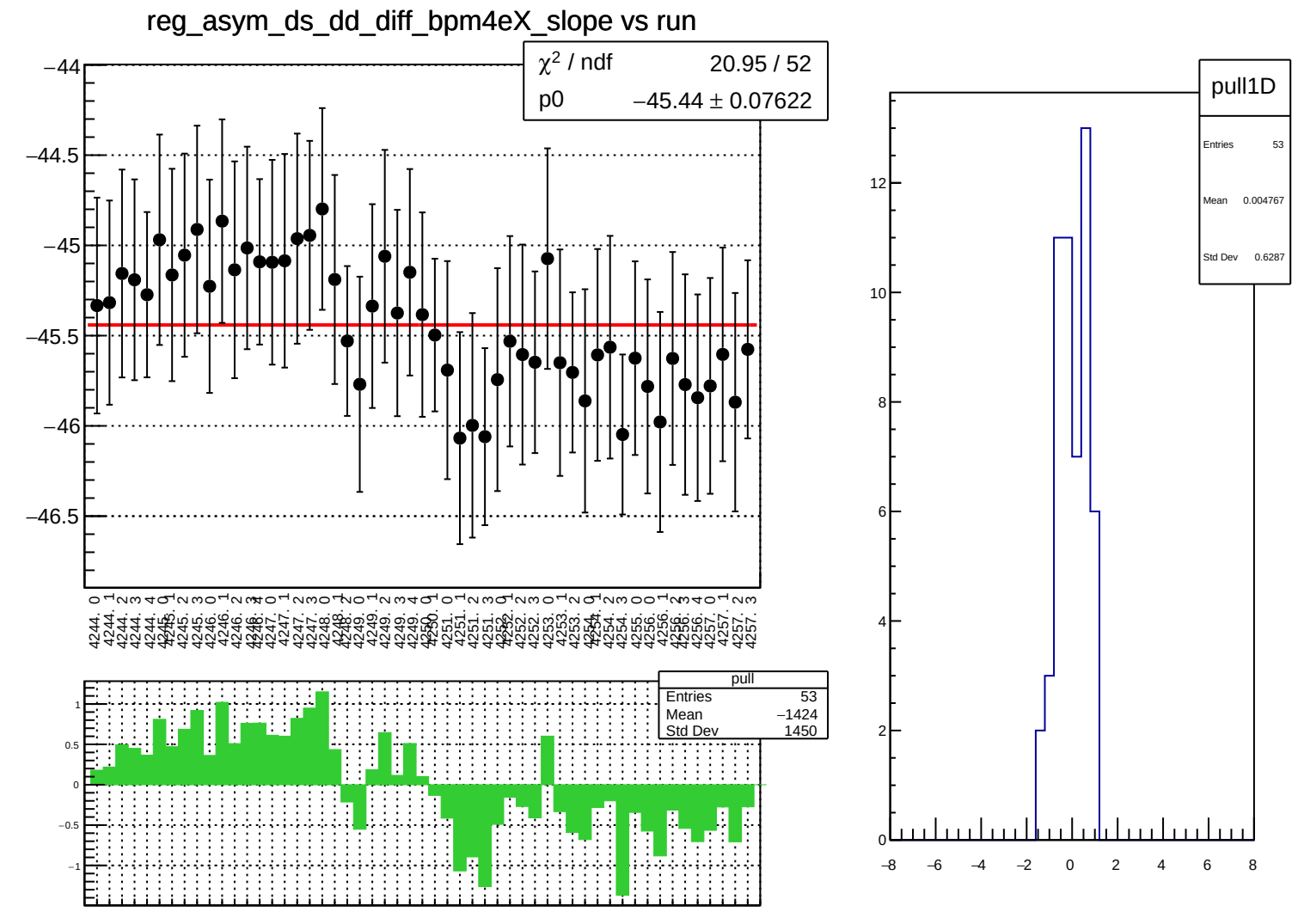

pull1D
Entries 53
Mean 0.4598
Std Dev 2.218

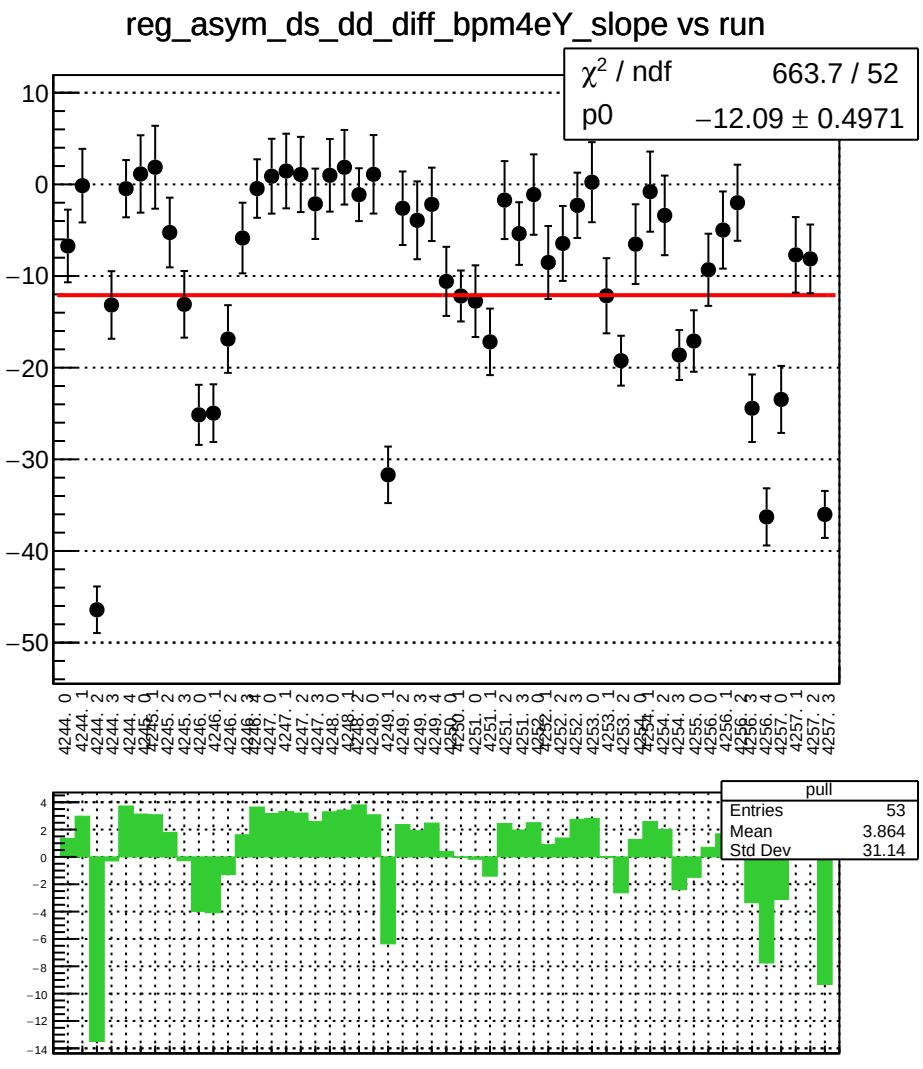

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 416.6 / 52
p0 −57.37 ± 0.08744
pull
Entries 53
Mean 1158
Std Dev 1130
pull1D
Entries 53
Mean −0.0345
Std Dev 2.804

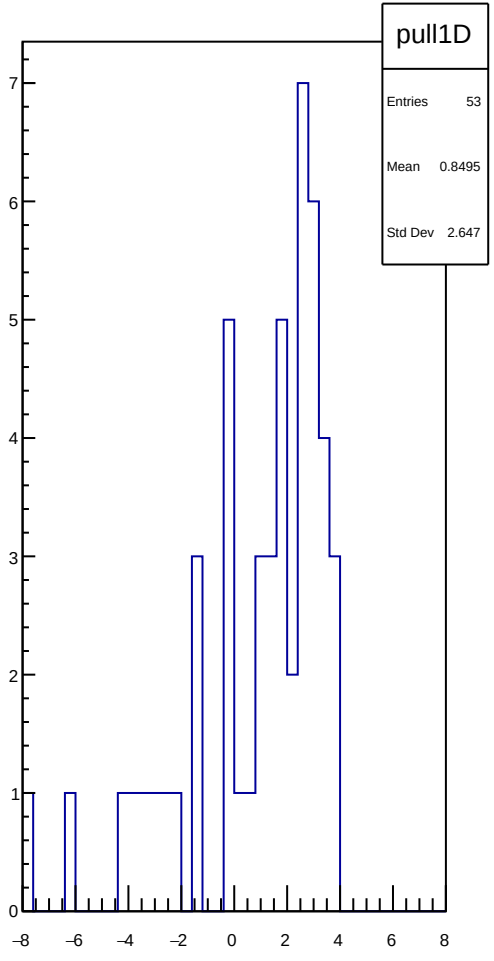

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.73 / 52
p0 26.6 ± 0.3971
pull
Entries 53
Mean −317.1
Std Dev 355.2

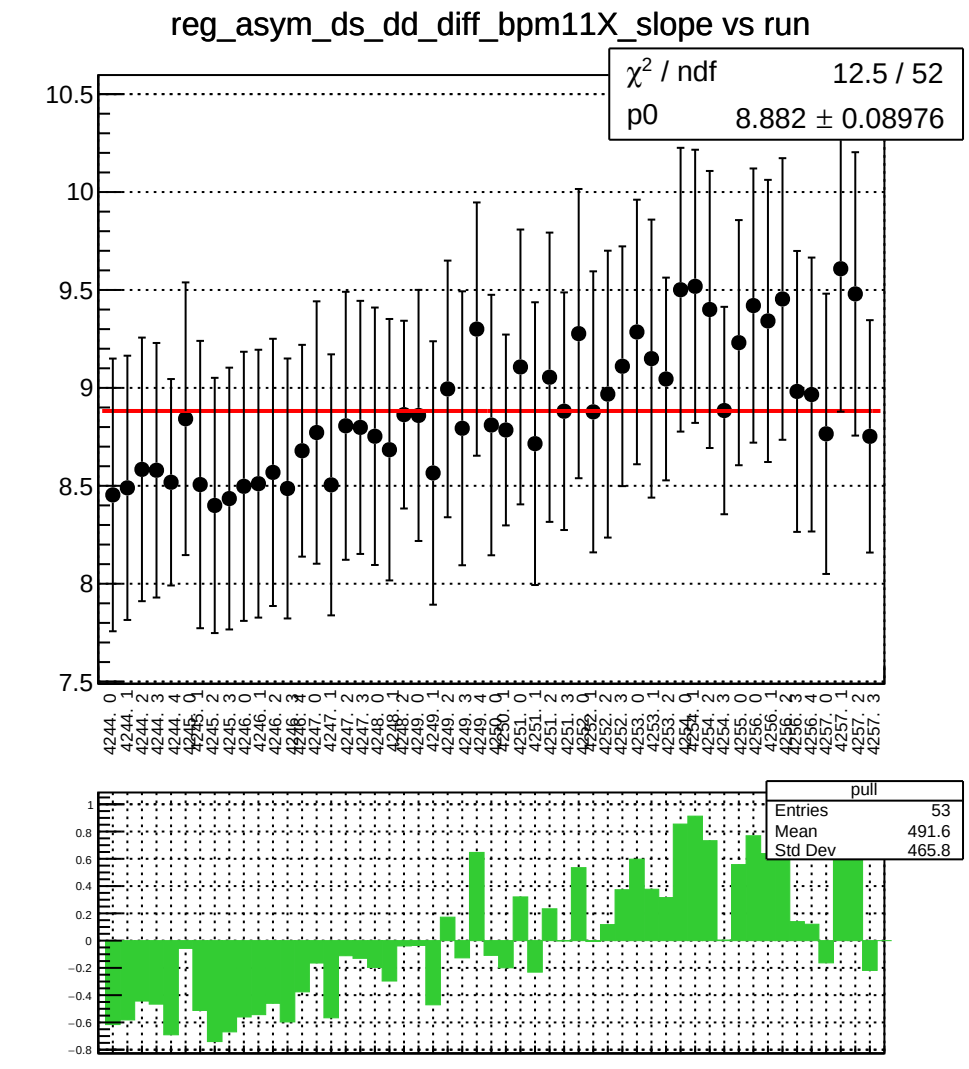

pull1D
Entries 53
Mean 0.004572
Std Dev 0.5271

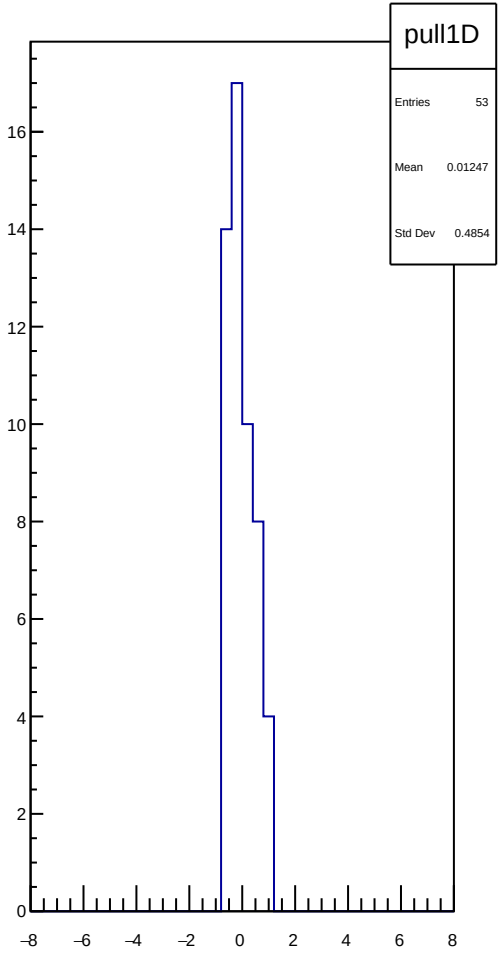

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 629.7 / 52
p0 6.176 ± 0.3012
pull
Entries 53
Mean 3.819
Std Dev 31.51
pull1D
Entries 53
Mean −0.8116
Std Dev 2.582

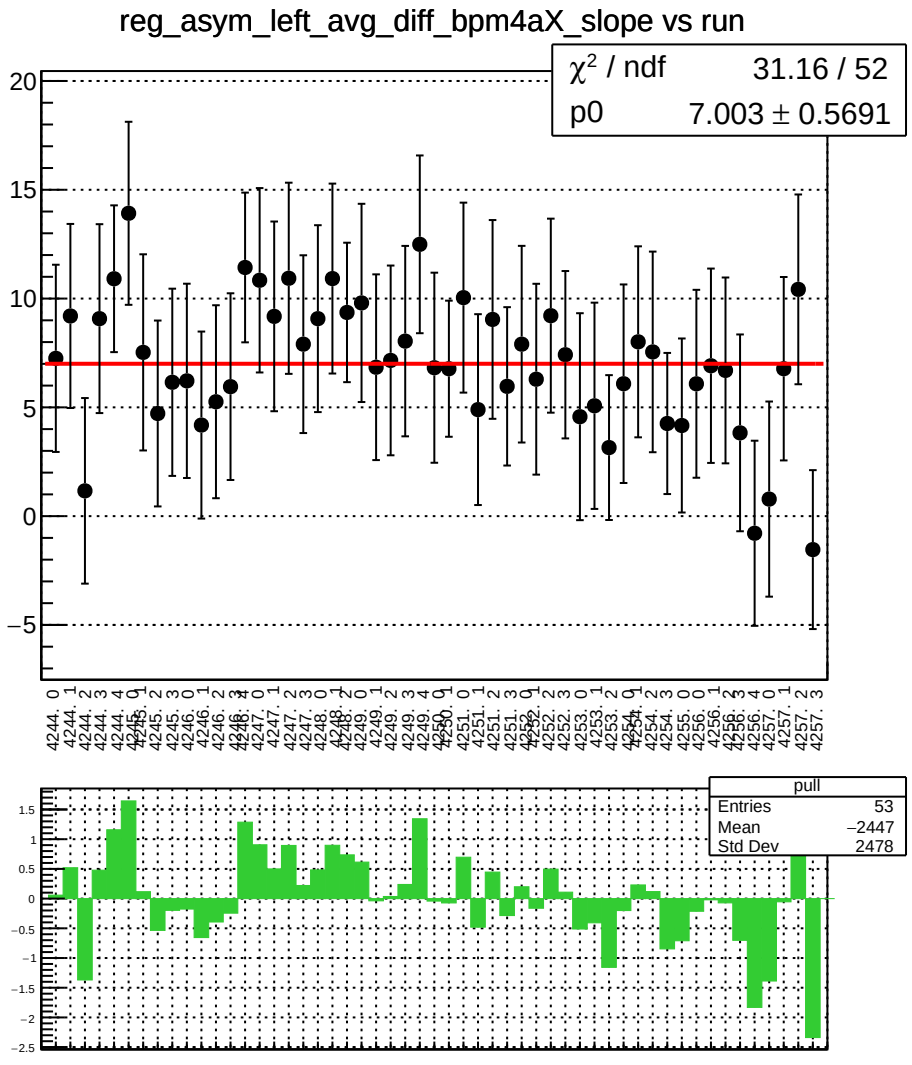

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.95 / 52
p0 −45.44 ± 0.07622
−44
−44.5
−45
−45.5
−46
−46.5
pull
Entries 53
Mean −1424
Std Dev 1450
1
0.5
0
−0.5
−1
pull1D
Entries 53
Mean 0.004767
Std Dev 0.6287
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

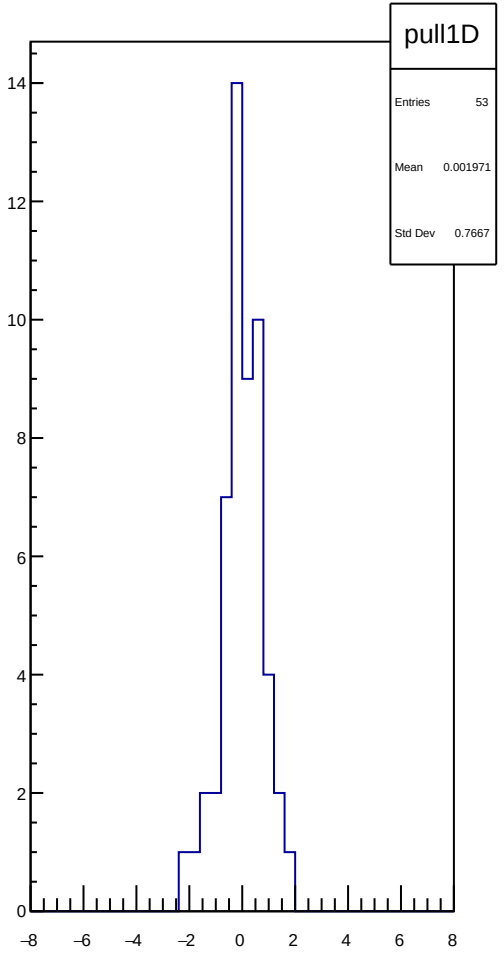

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 663.7 / 52
p0 −12.09 ± 0.4971
pull
Entries 53
Mean 3.864
Std Dev 31.14

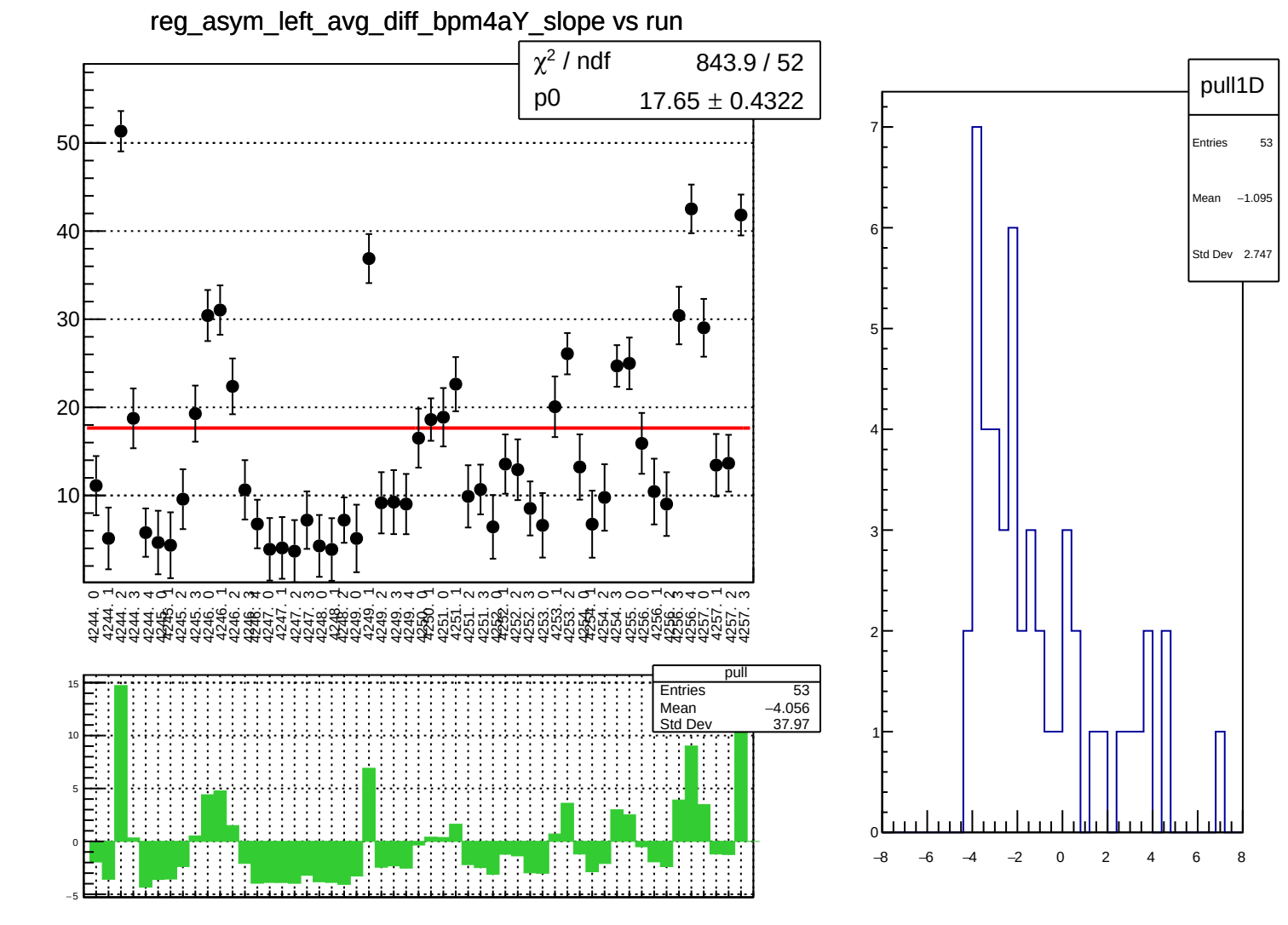

pull1D
Entries 53
Mean 0.8495
Std Dev 2.647

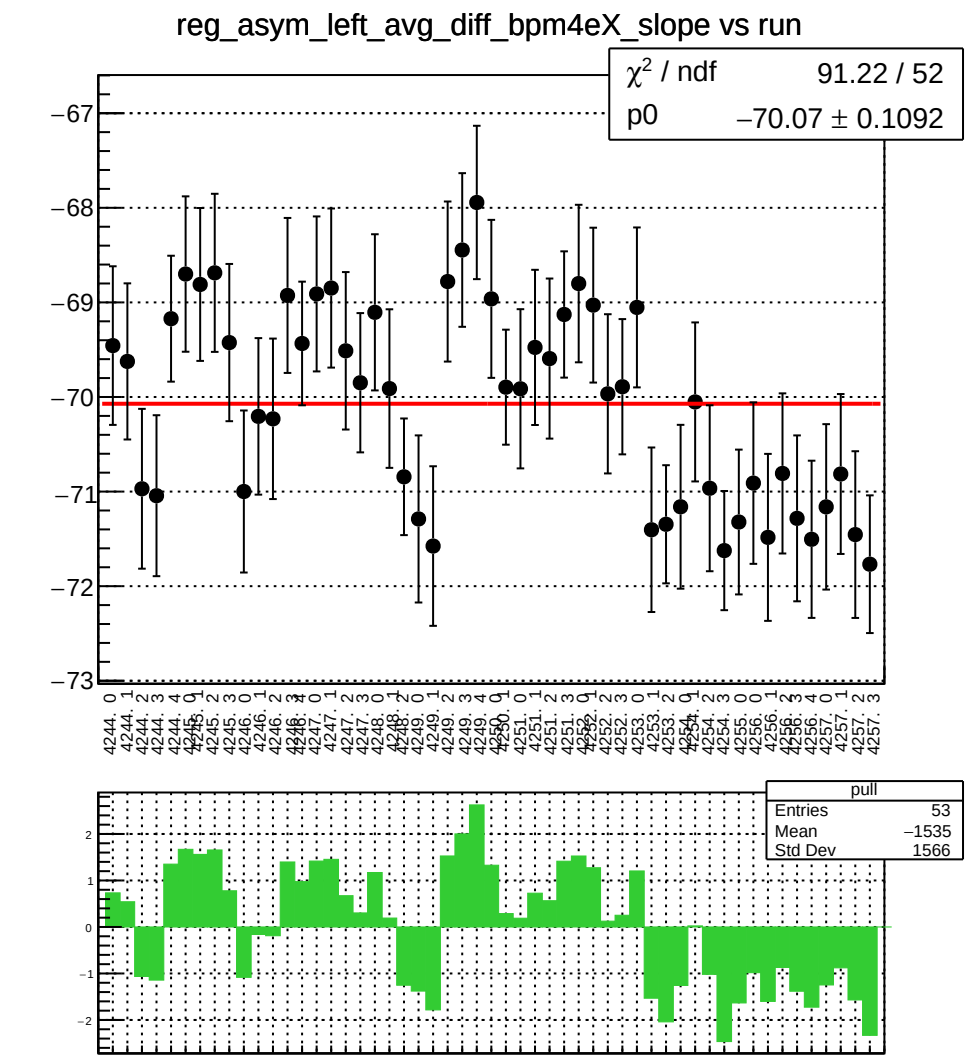

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 12.5 / 52
p0 8.882 ± 0.08976
pull
Entries 53
Mean 491.6
Std Dev 465.8

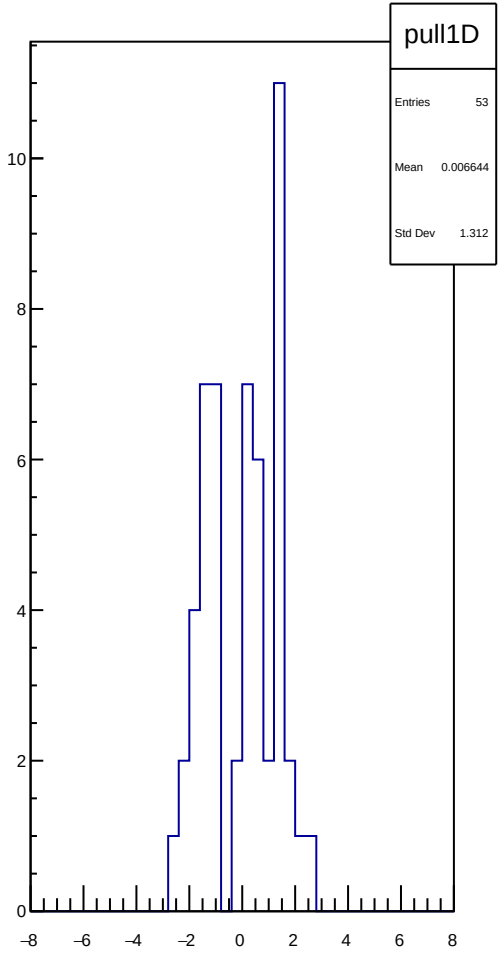

pull1D
Entries 53
Mean 0.01247
Std Dev 0.4854

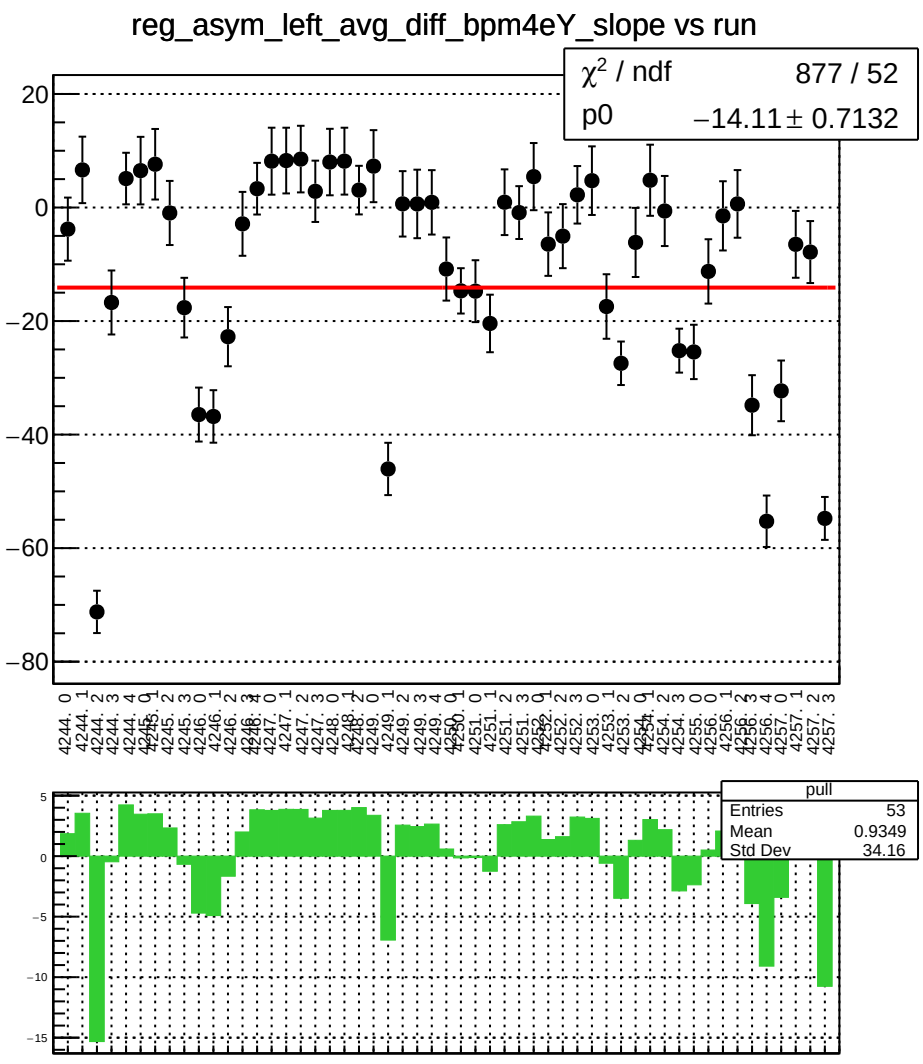

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 31.16 / 52
p0 7.003 ± 0.5691
pull
Entries 53
Mean −2447
Std Dev 2478

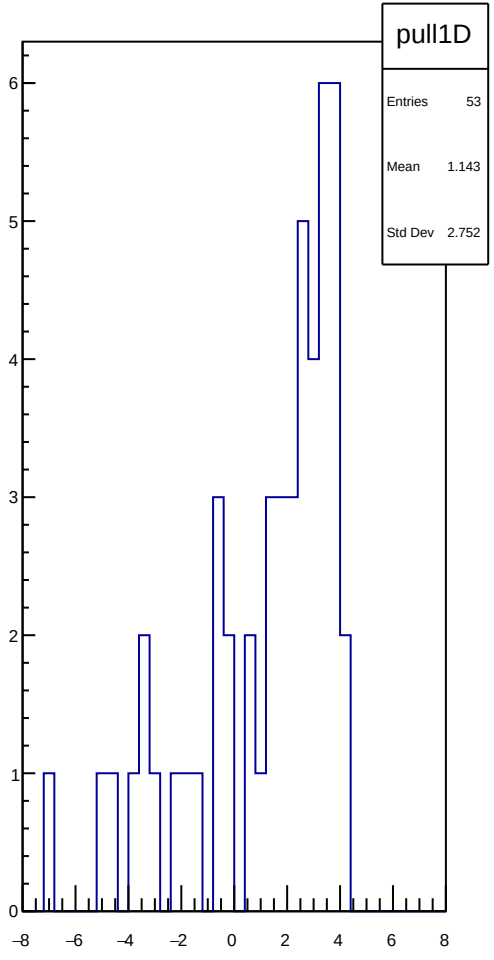

pull1D
Entries 53
Mean 0.001971
Std Dev 0.7667

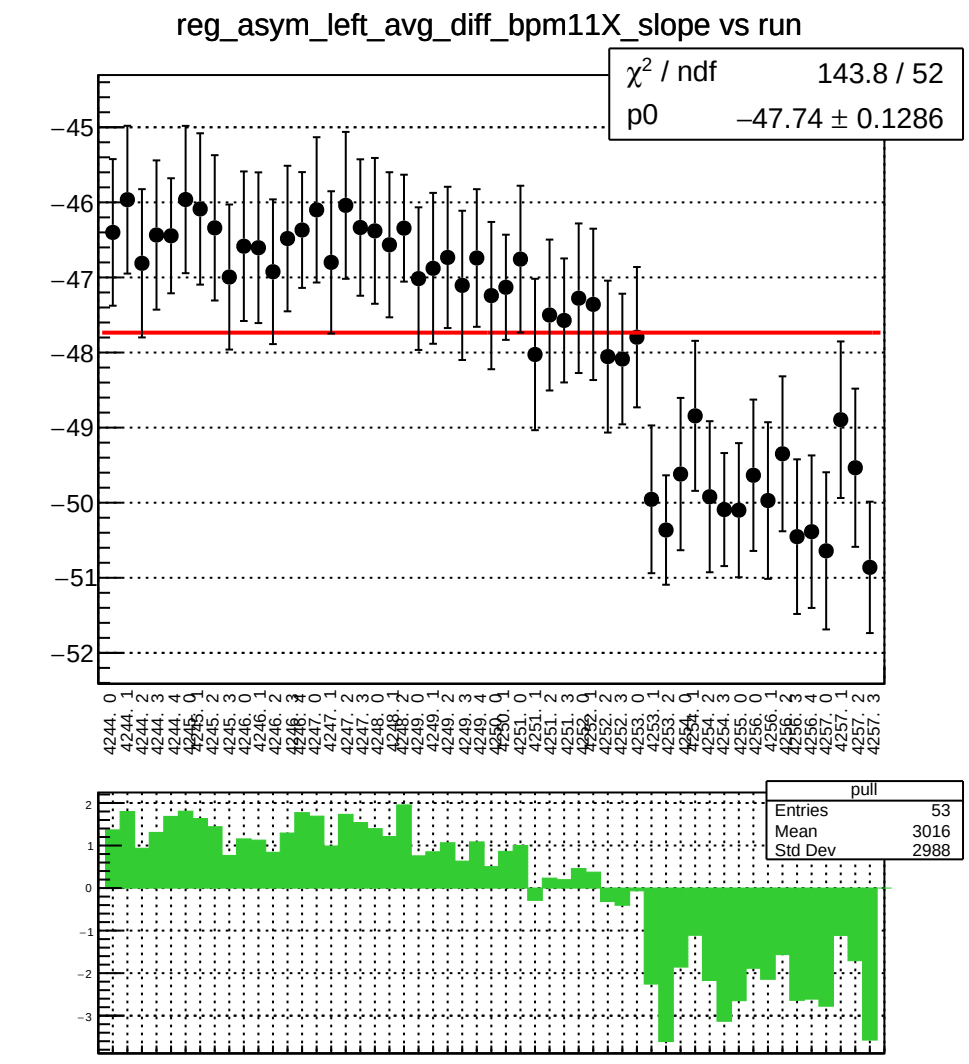

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 843.9 / 52
p0 17.65 ± 0.4322
pull
Entries 53
Mean −4.056
Std Dev 37.97
pull1D
Entries 53
Mean −1.095
Std Dev 2.747

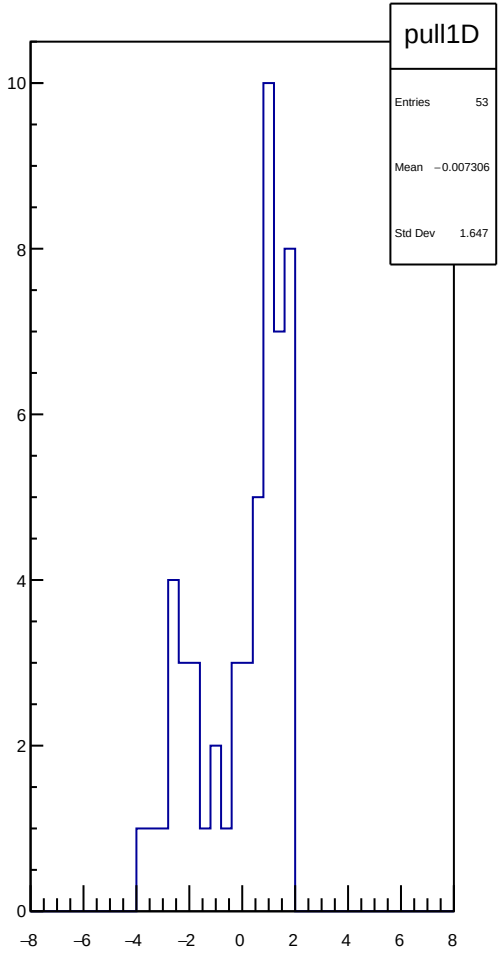

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 91.22 / 52
p0 −70.07 ± 0.1092
pull
Entries 53
Mean −1535
Std Dev 1566

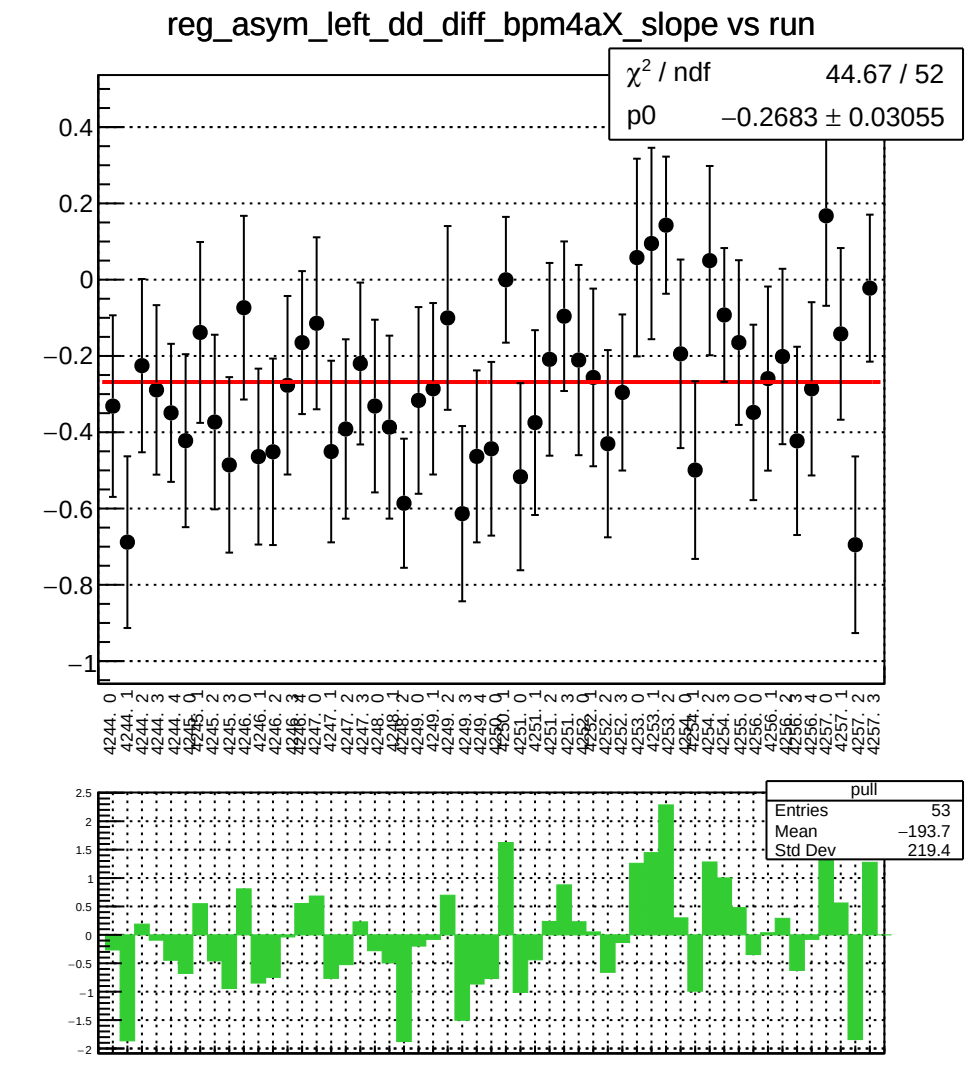

pull1D
Entries 53
Mean 0.006644
Std Dev 1.312

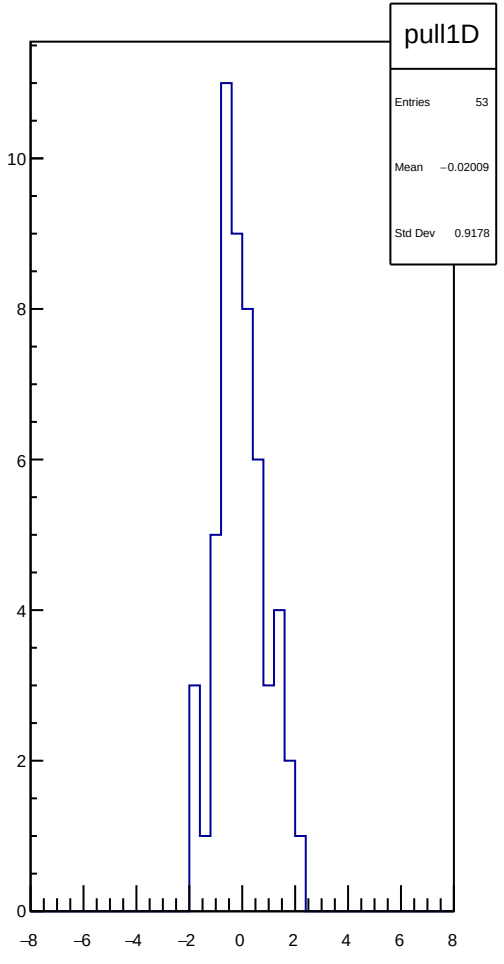

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 877 / 52
p0 −14.11 ± 0.7132
pull
Entries 53
Mean 0.9349
Std Dev 34.16

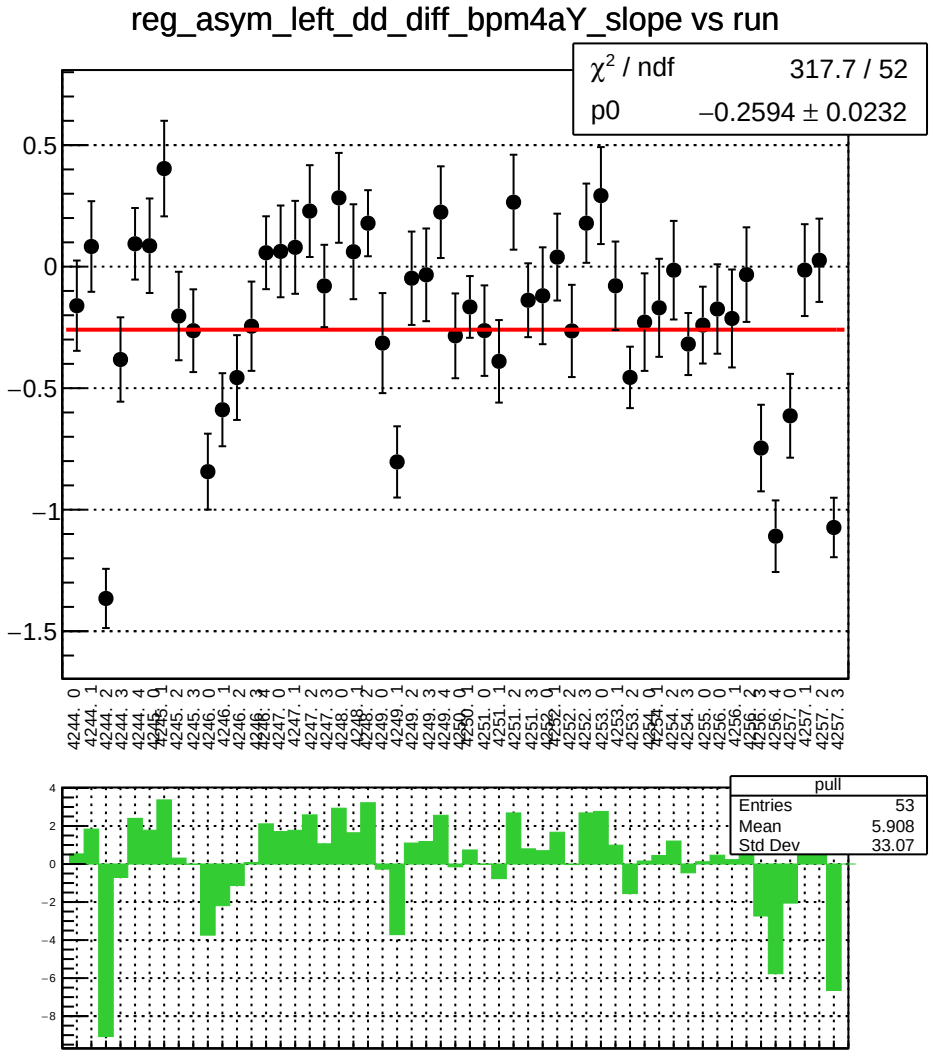

pull1D
Entries 53
Mean 1.143
Std Dev 2.752

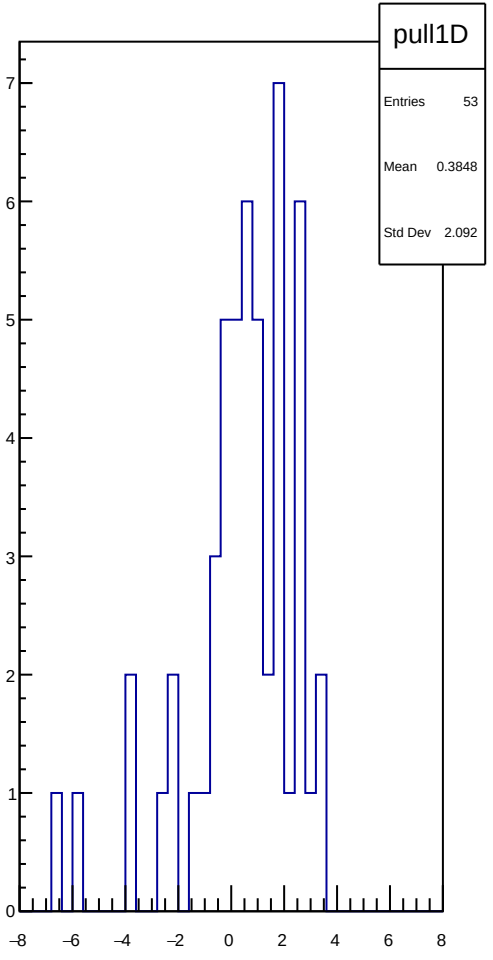

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 143.8 / 52
p0 −47.74 ± 0.1286
pull
Entries 53
Mean 3016
Std Dev 2988

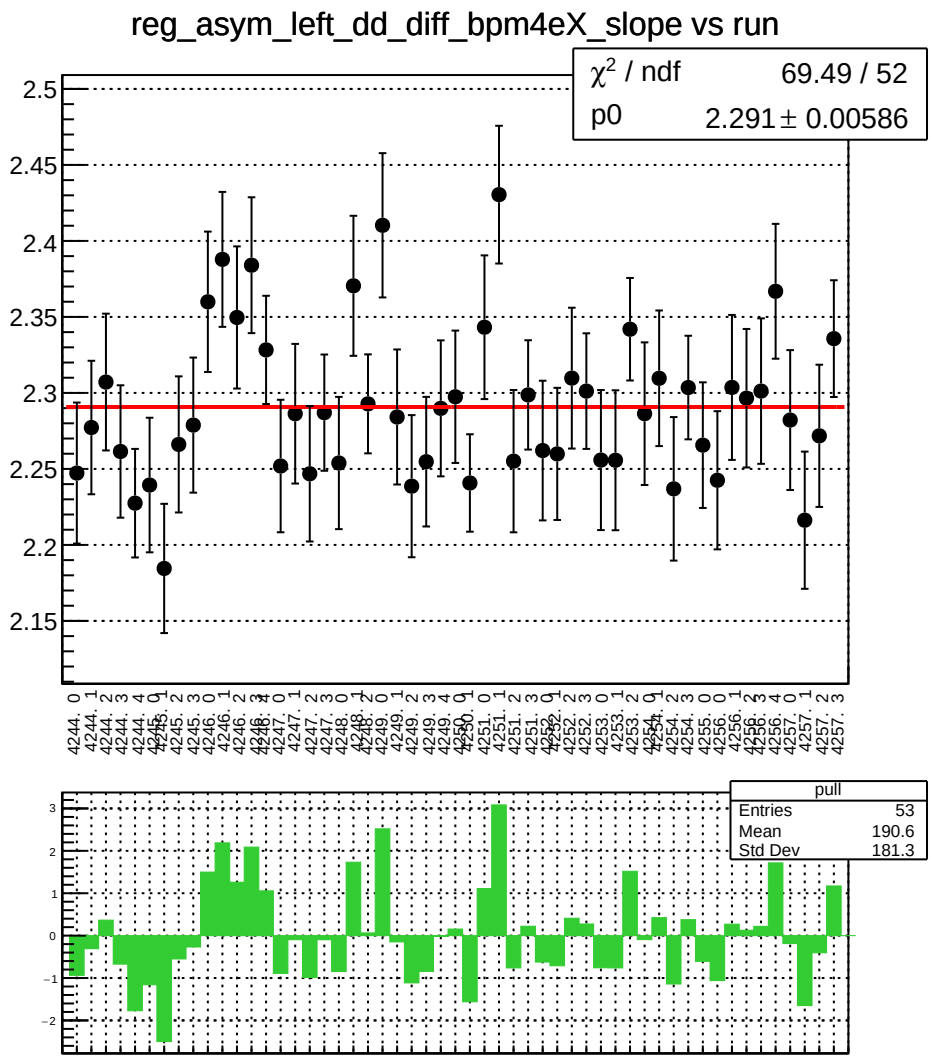

pull1D
Entries 53
Mean −0.007306
Std Dev 1.647

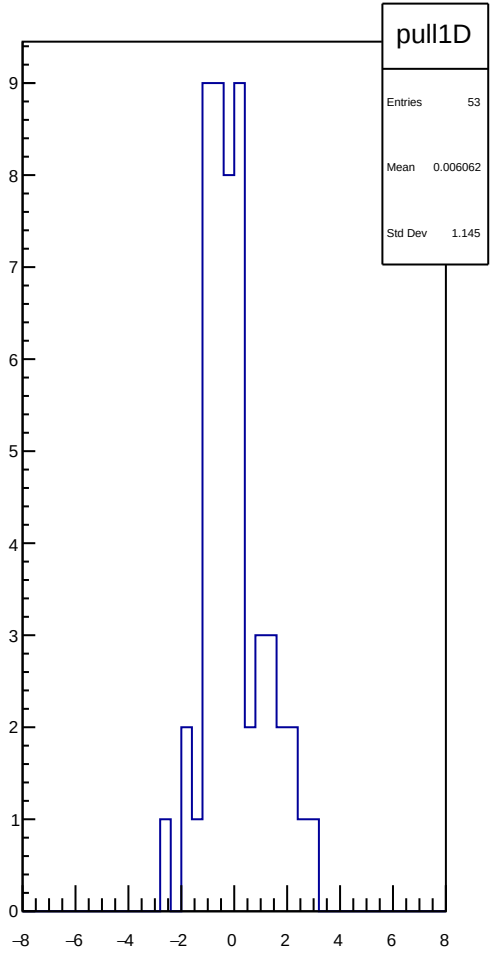

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 44.67 / 52
p0 −0.2683 ± 0.03055
pull
Entries 53
Mean −193.7
Std Dev 219.4

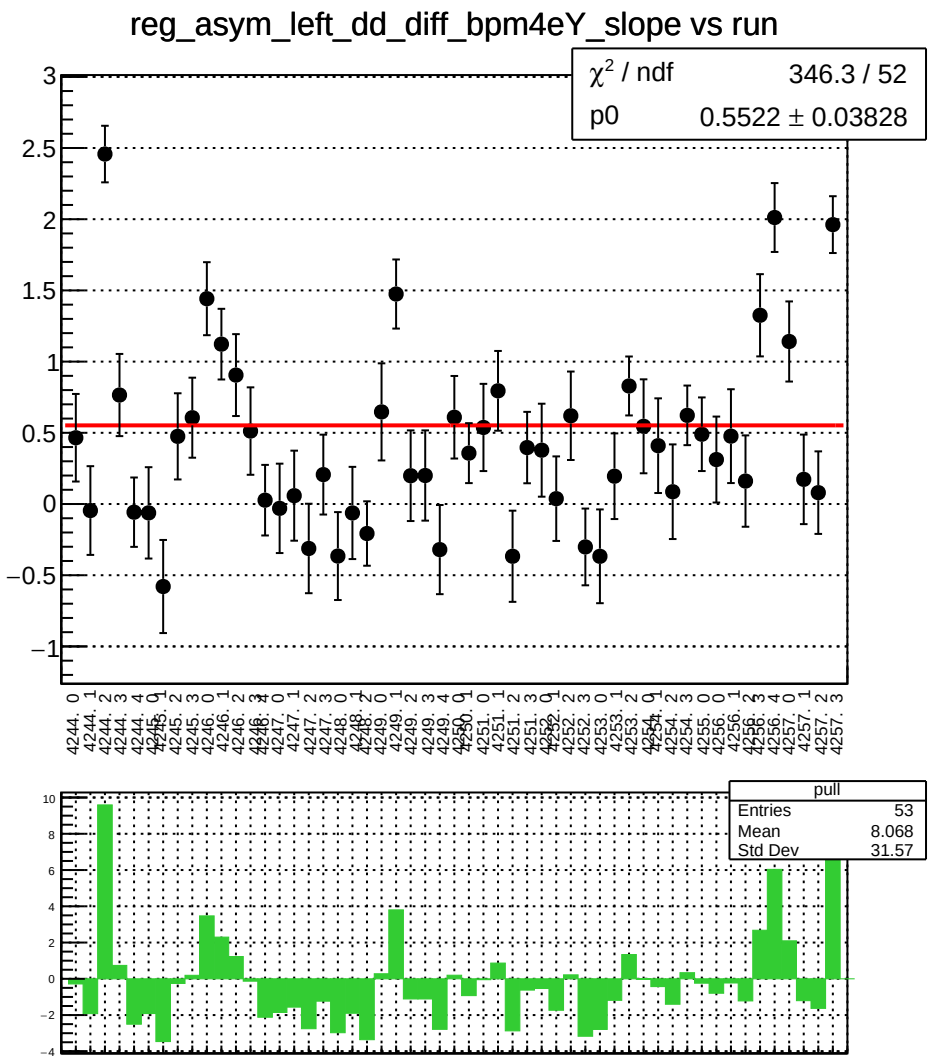

pull1D
Entries 53
Mean −0.02009
Std Dev 0.9178

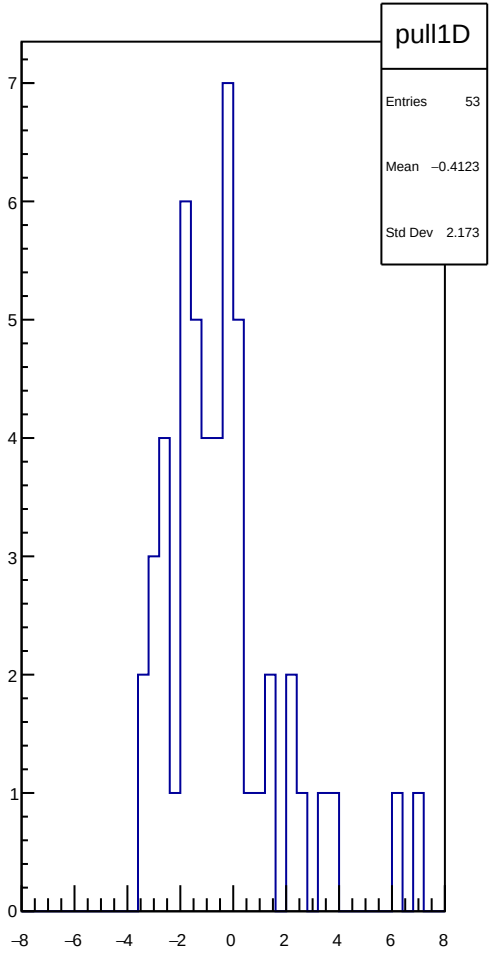

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 317.7 / 52
p0 −0.2594 ± 0.0232
pull
Entries 53
Mean 5.908
Std Dev 33.07

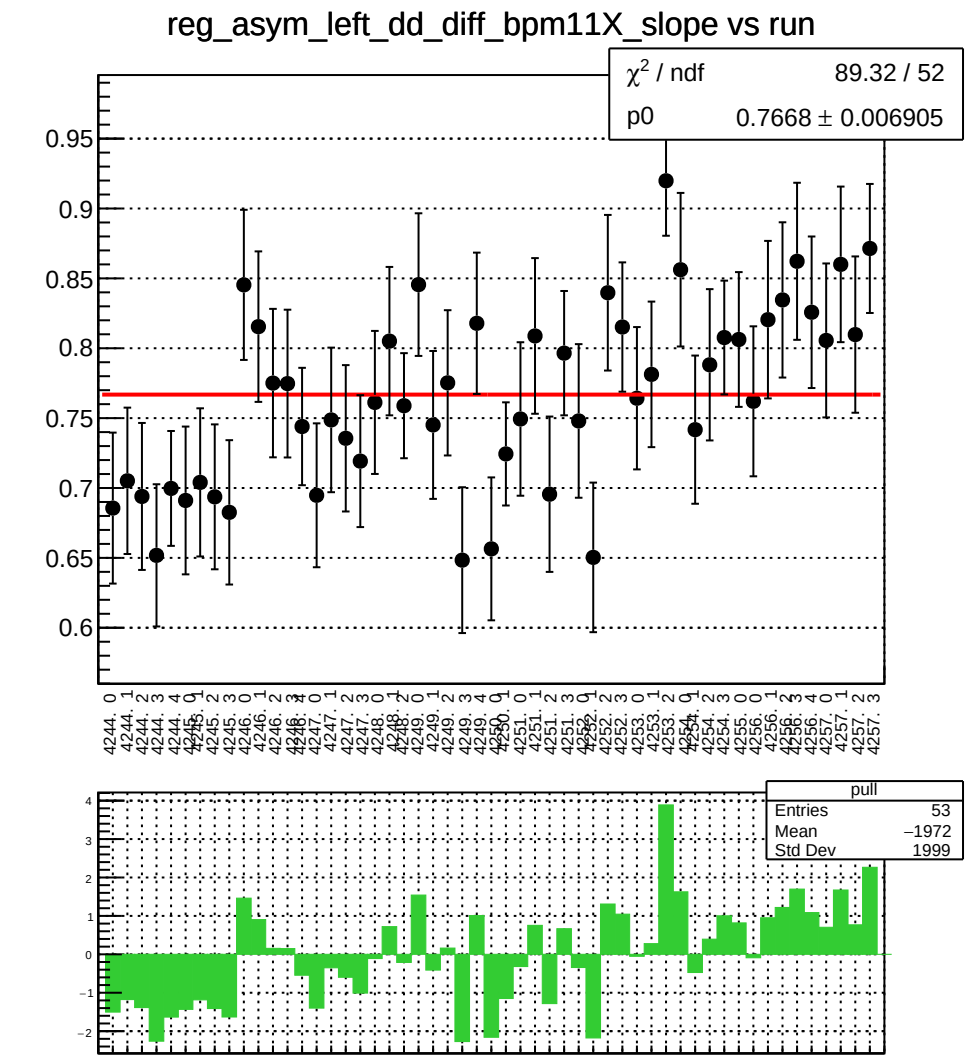

pull1D
Entries 53
Mean 0.3848
Std Dev 2.092

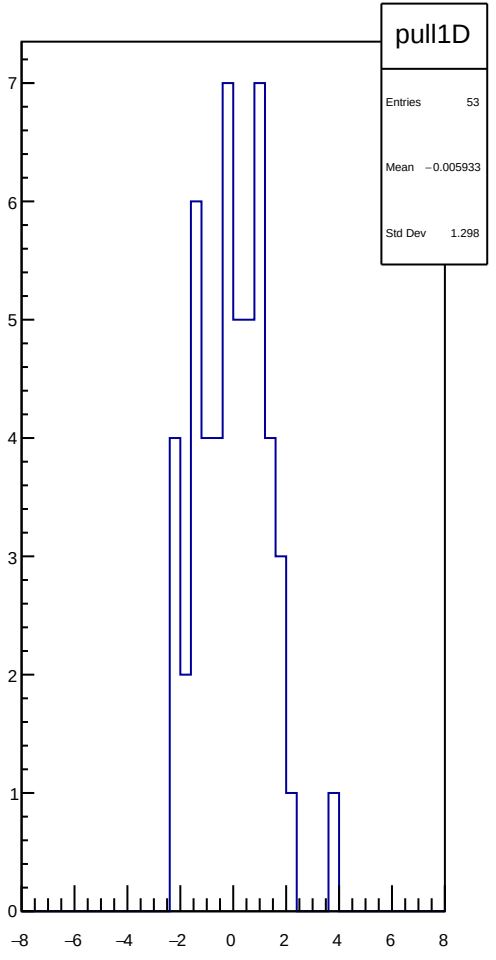

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 69.49 / 52
p0 2.291 ± 0.00586
pull
Entries 53
Mean 190.6
Std Dev 181.3

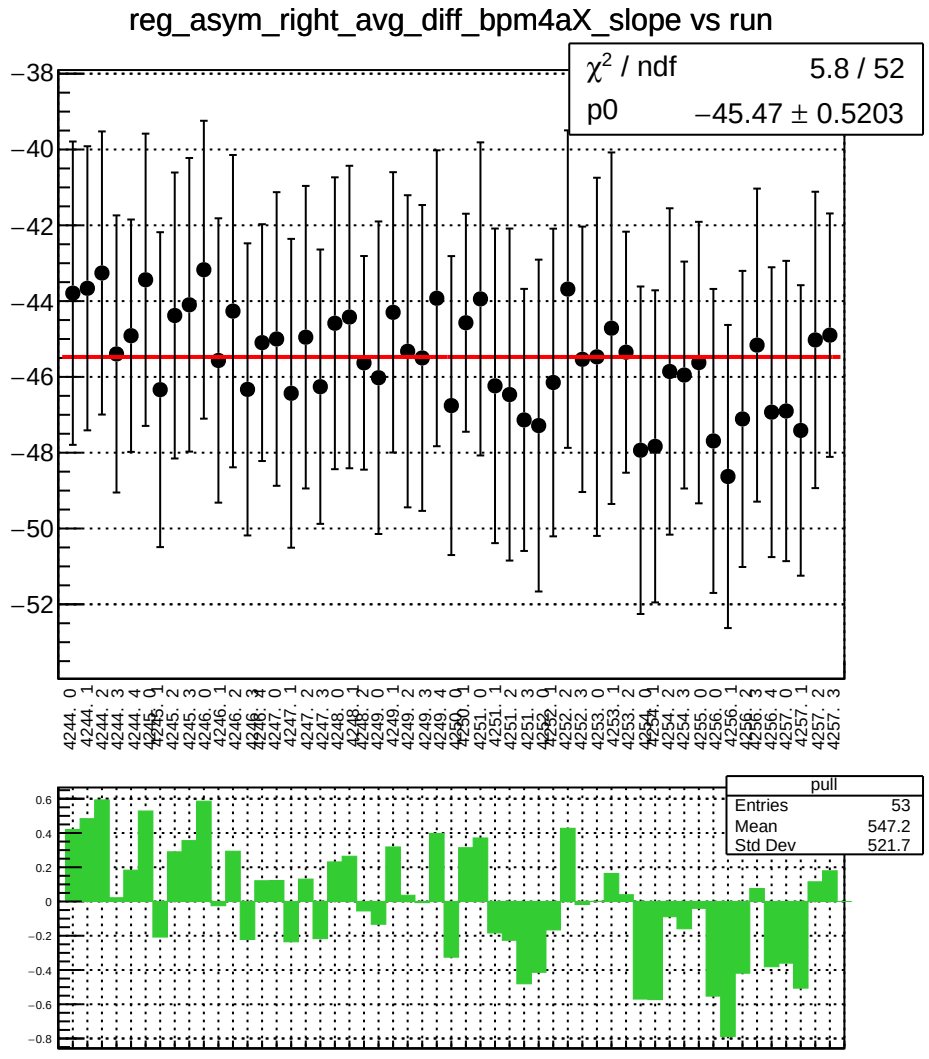

pull1D
Entries 53
Mean 0.006062
Std Dev 1.145

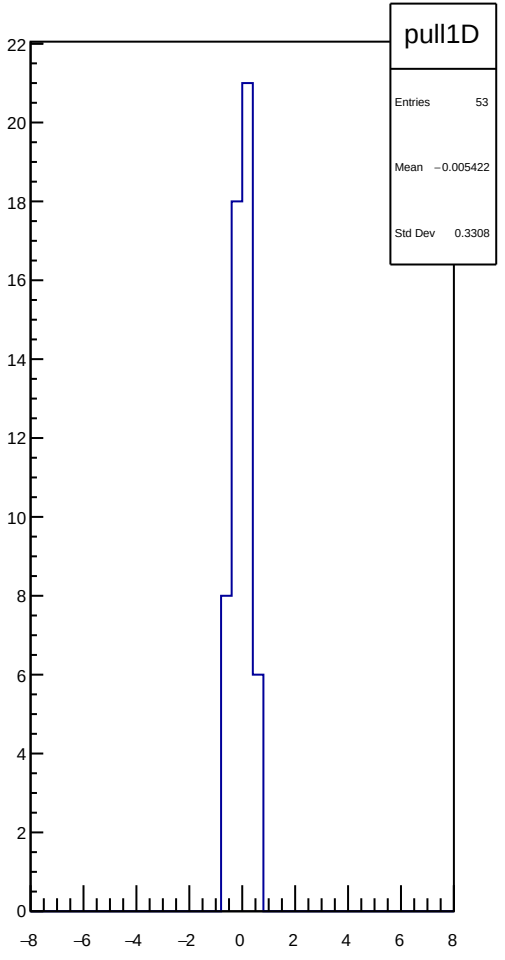

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 346.3 / 52
p0 0.5522 ± 0.03828
pull
Entries 53
Mean 8.068
Std Dev 31.57

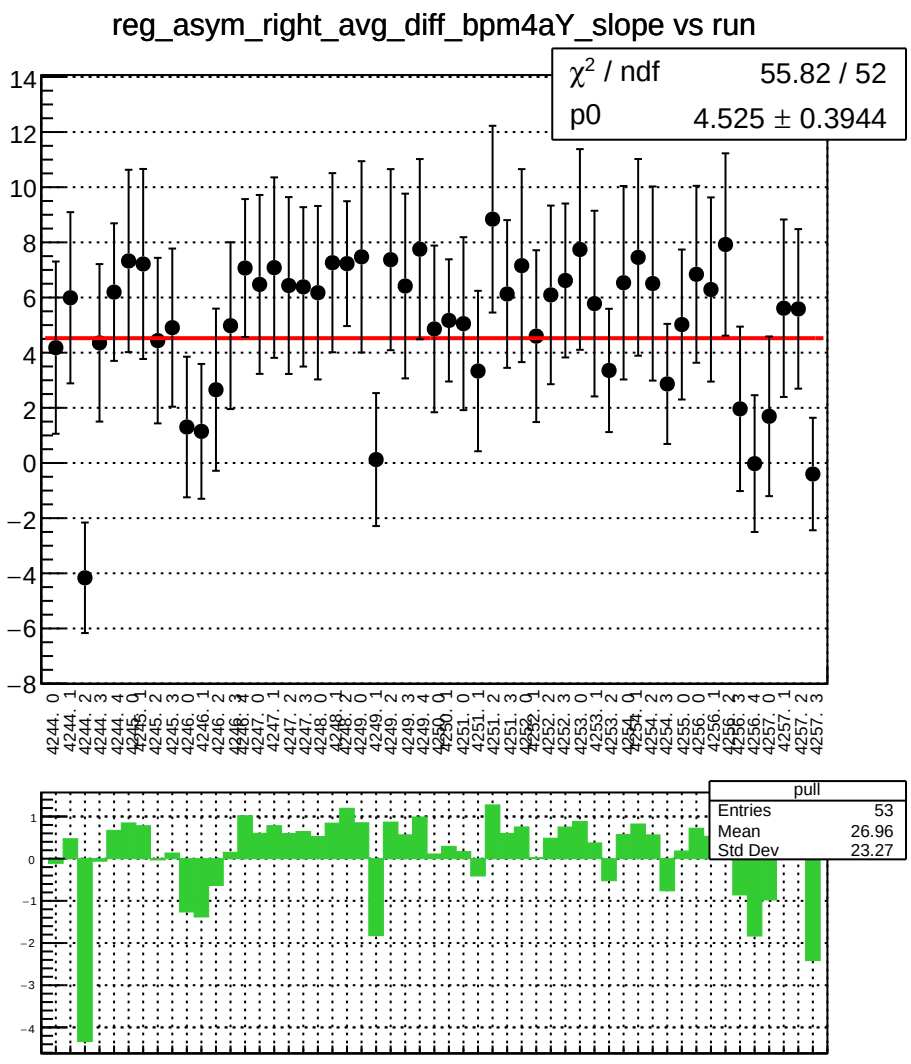

pull1D
Entries 53
Mean −0.4123
Std Dev 2.173

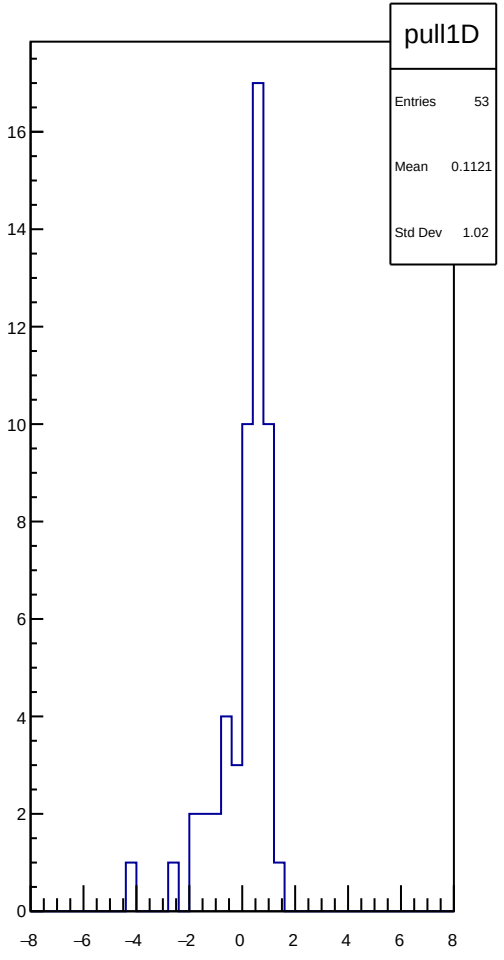

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 89.32 / 52
p0 0.7668 ± 0.006905
pull
Entries 53
Mean −1972
Std Dev 1999

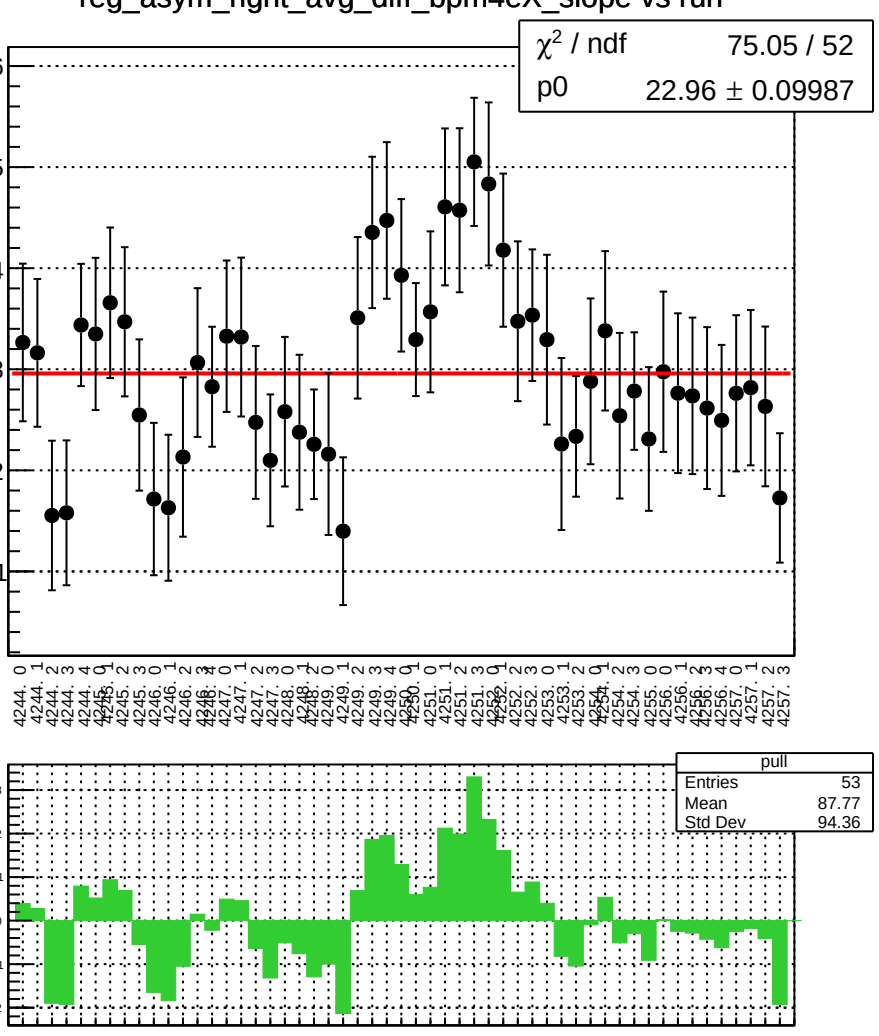

pull1D
Entries 53
Mean −0.005933
Std Dev 1.298

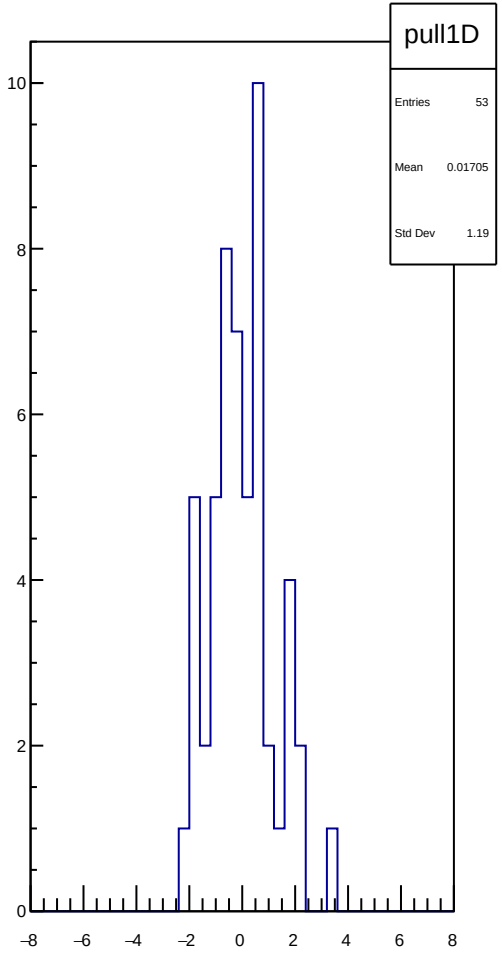

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.8 / 52
p0 −45.47 ± 0.5203
pull
Entries 53
Mean 547.2
Std Dev 521.7

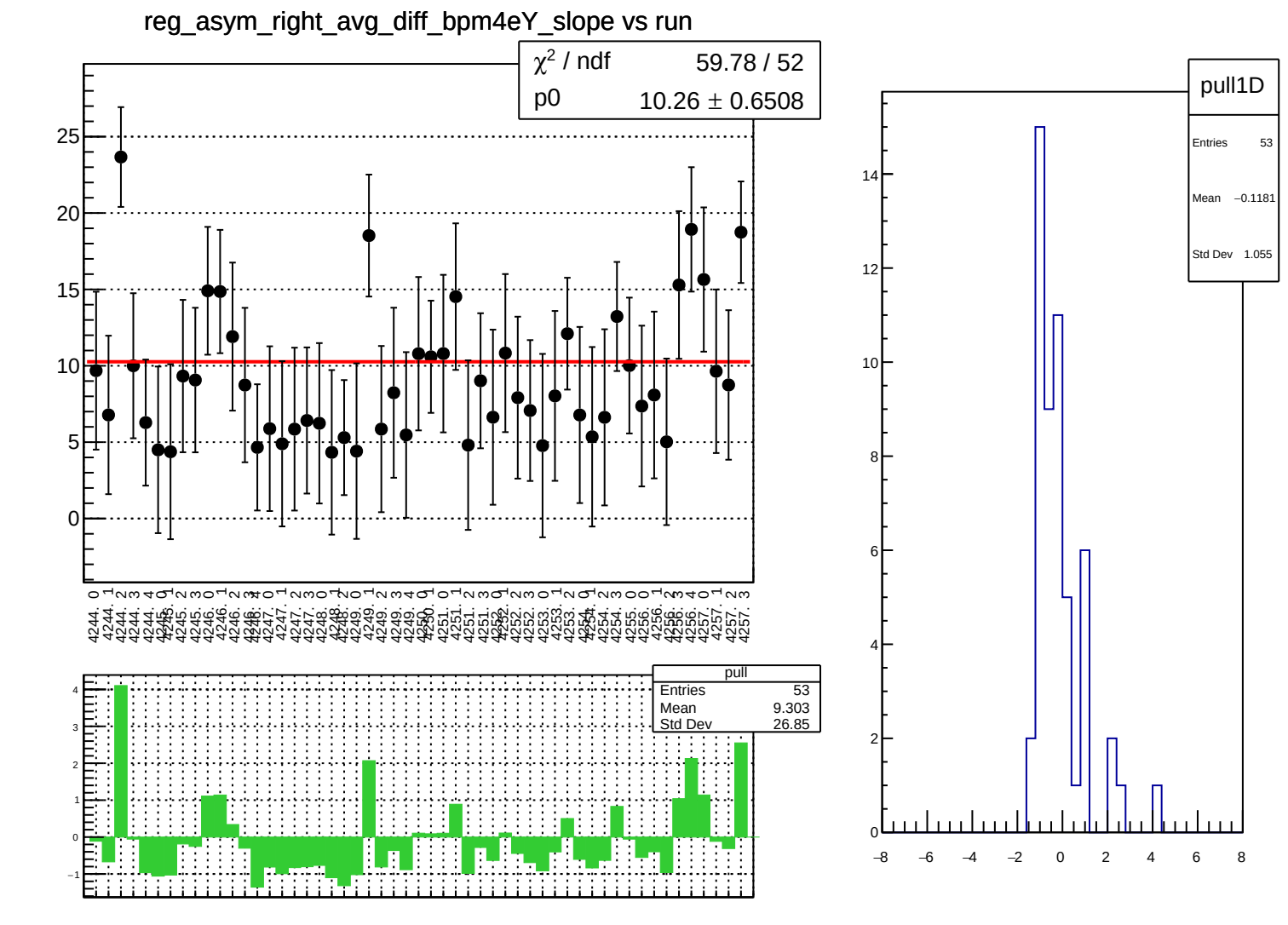

pull1D
Entries 53
Mean −0.005422
Std Dev 0.3308

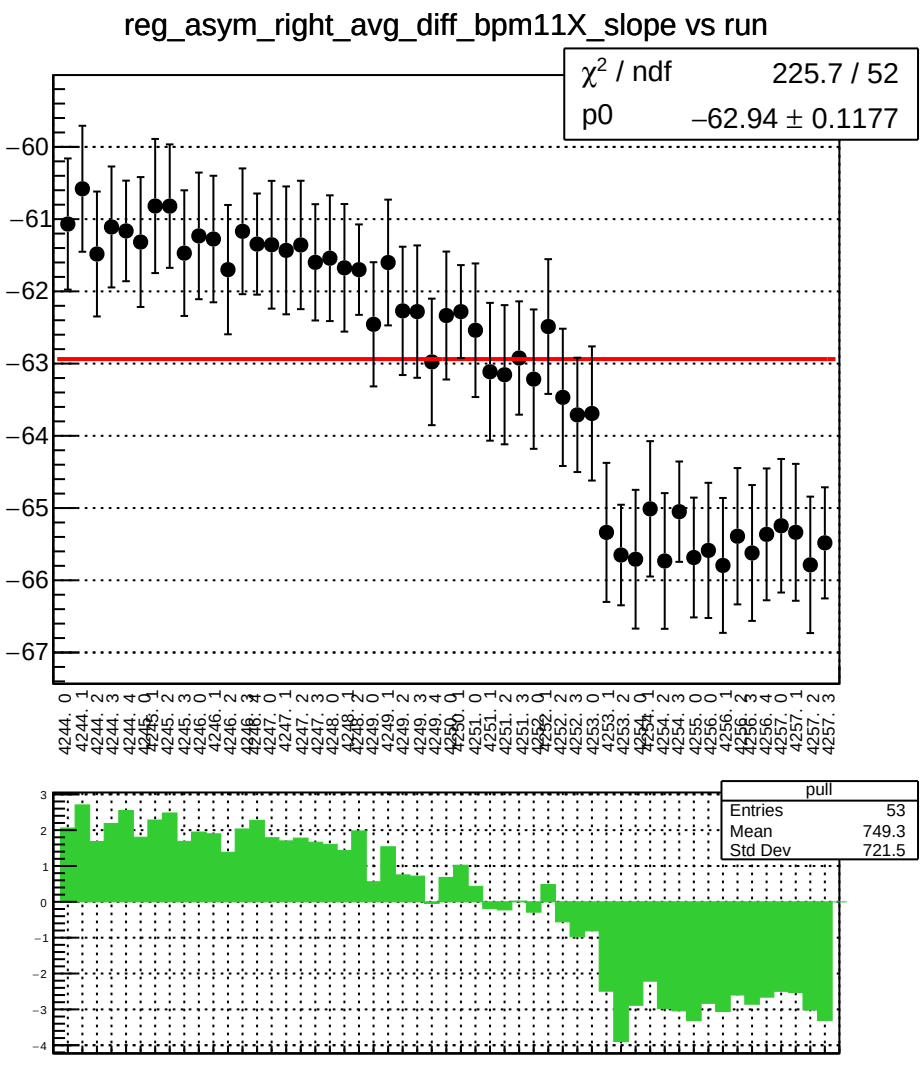

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.82 / 52
p0 4.525 ± 0.3944
pull
Entries 53
Mean 26.96
Std Dev 23.27

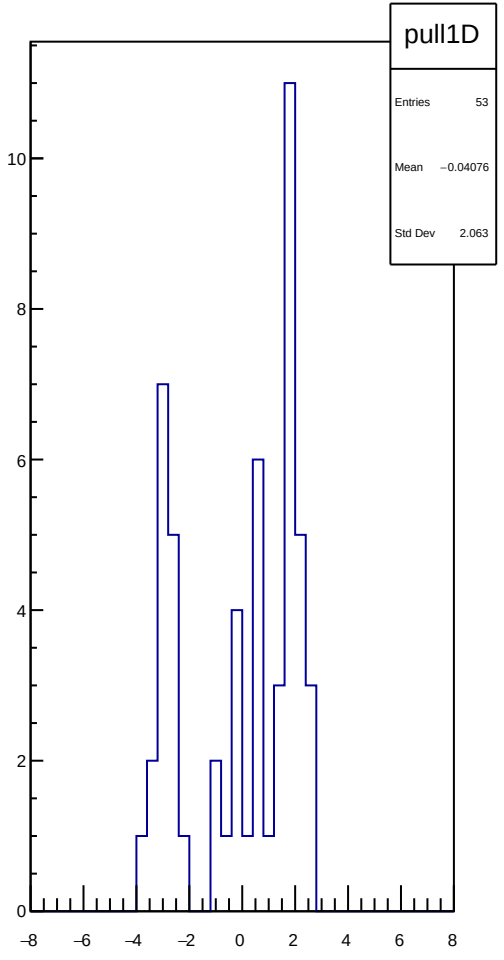

pull1D
Entries 53
Mean 0.1121
Std Dev 1.02

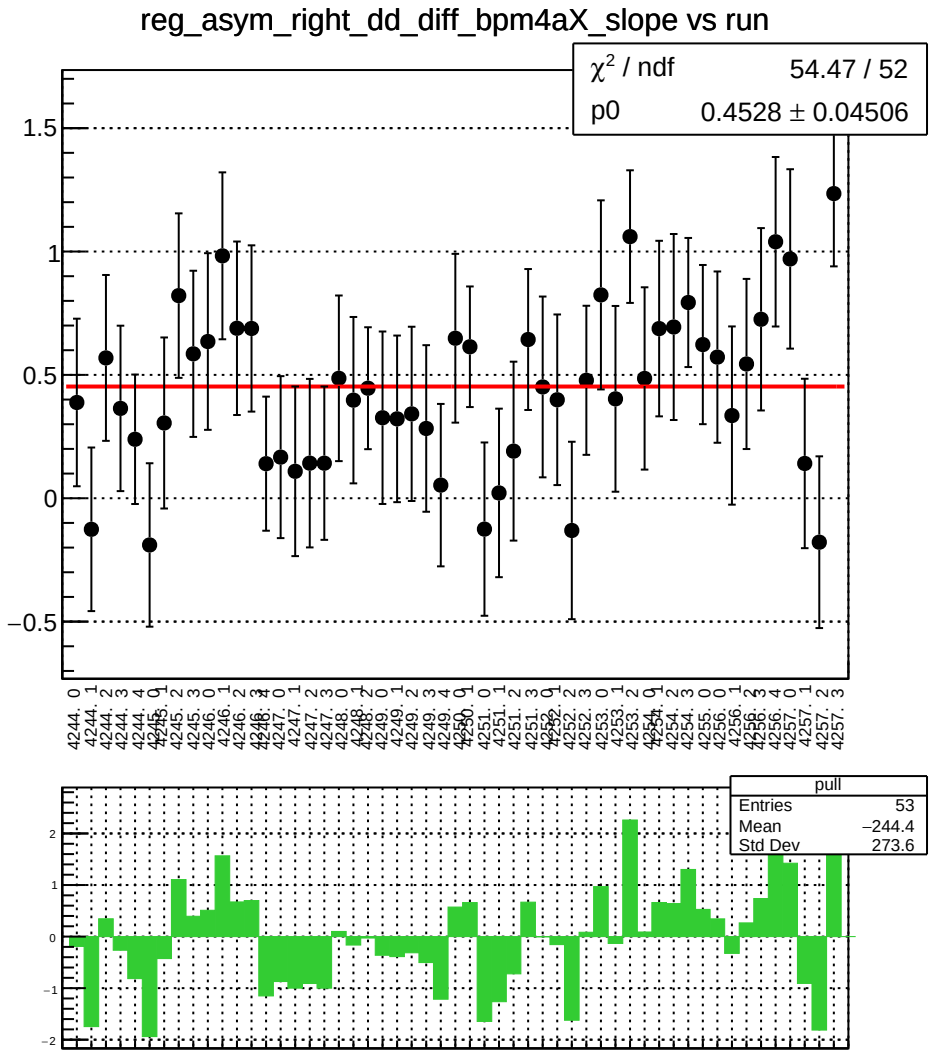

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 75.05 / 52
p0 22.96 ± 0.09987
pull
Entries 53
Mean 87.77
Std Dev 94.36

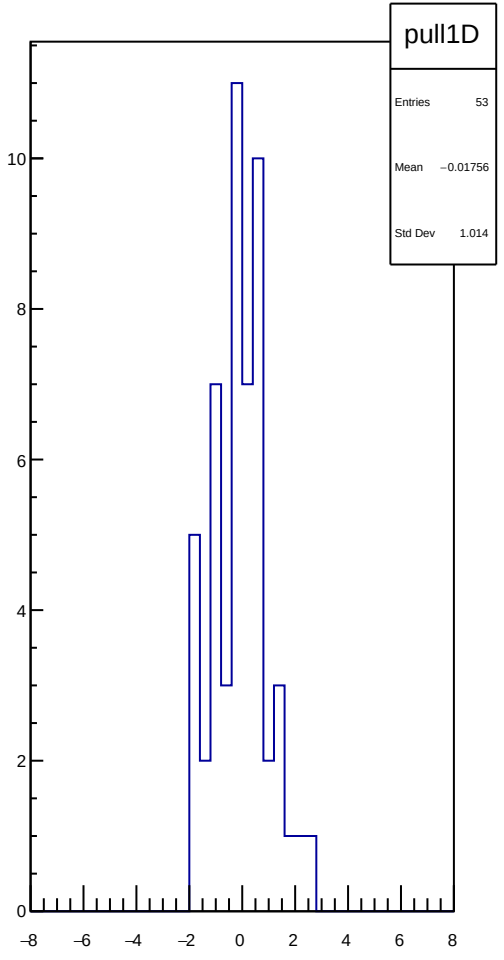

pull1D
Entries 53
Mean 0.01705
Std Dev 1.19

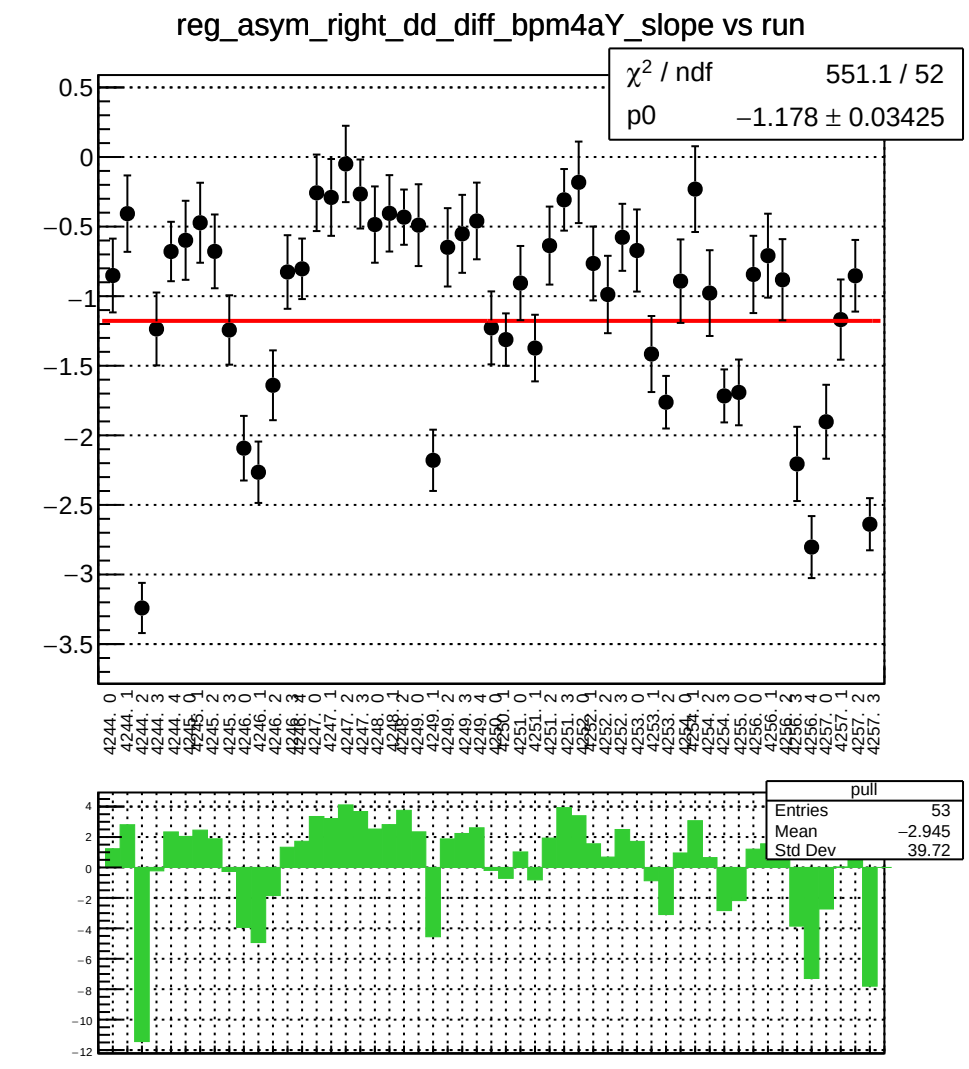

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.78 / 52
p0 10.26 ± 0.6508
pull
Entries 53
Mean 9.303
Std Dev 26.85
pull1D
Entries 53
Mean −0.1181
Std Dev 1.055

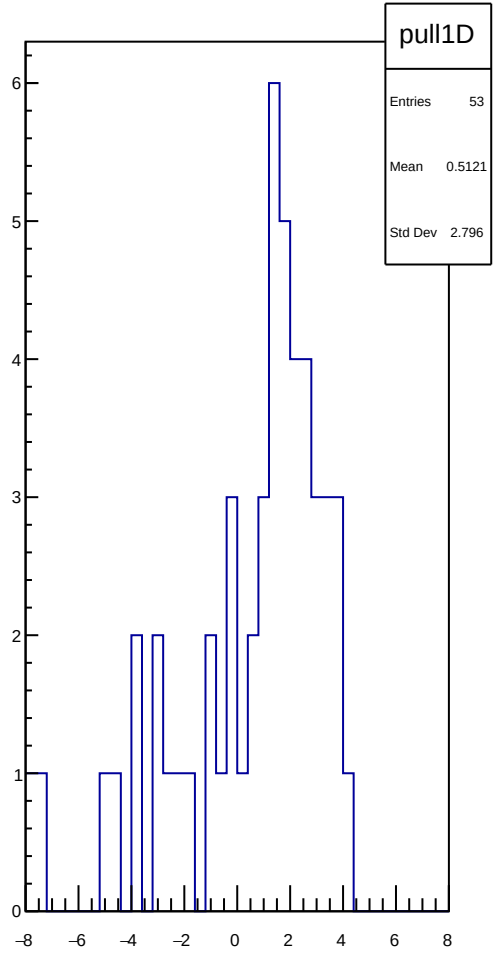

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 225.7 / 52
p0 −62.94 ± 0.1177
pull
Entries 53
Mean 749.3
Std Dev 721.5

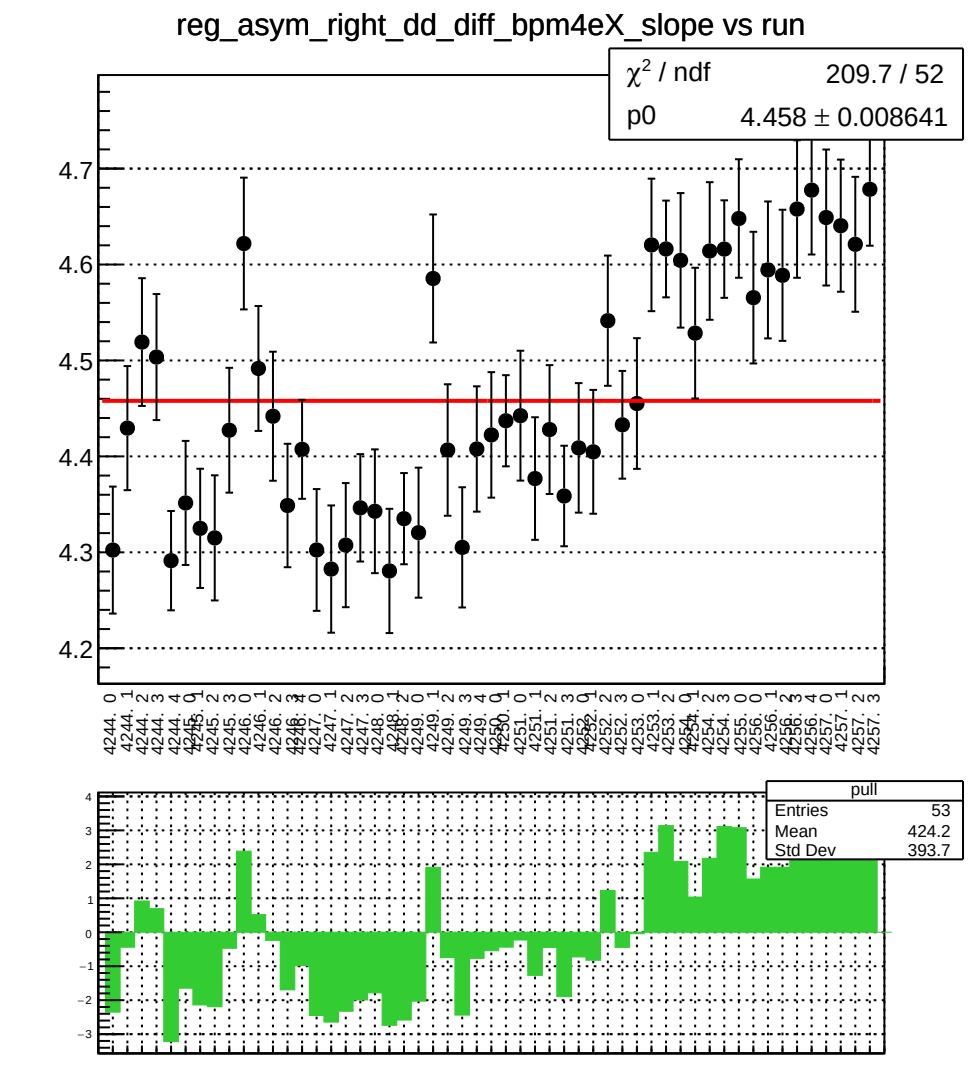

pull1D
Entries 53
Mean −0.04076
Std Dev 2.063

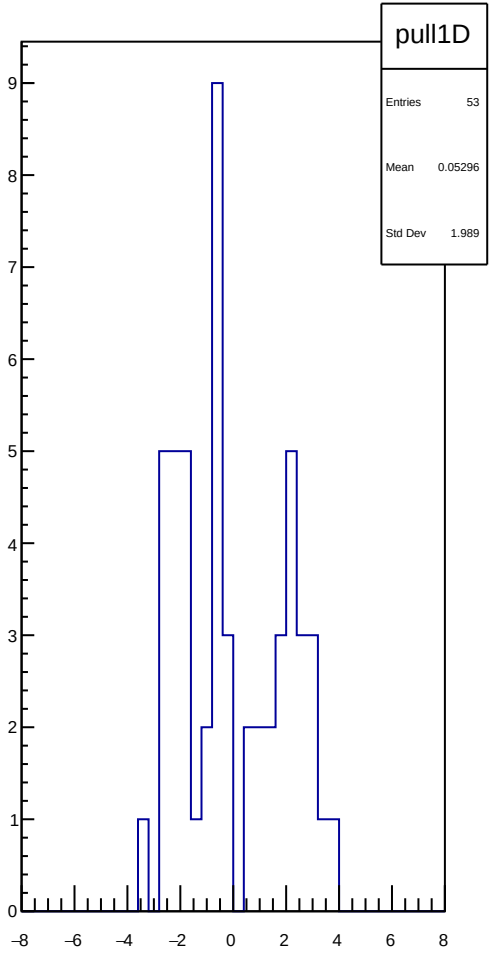

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 54.47 / 52
p0 0.4528 ± 0.04506
pull
Entries 53
Mean −244.4
Std Dev 273.6

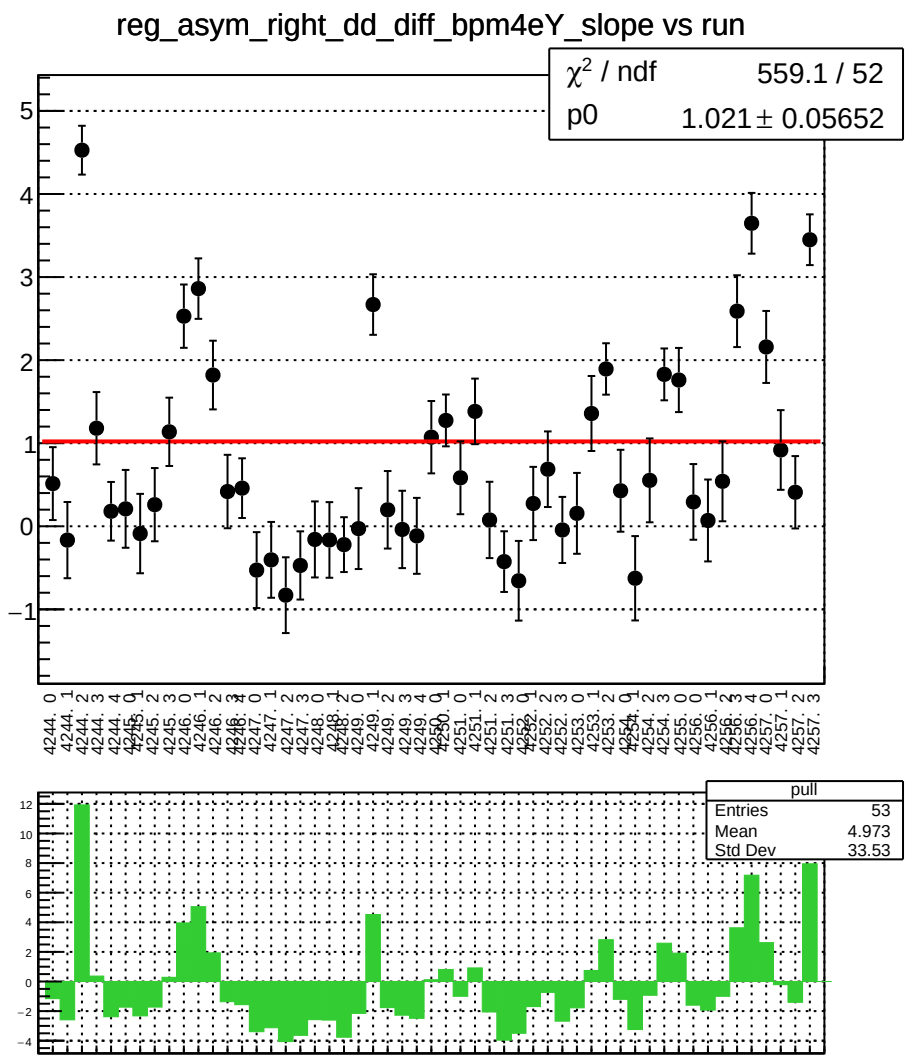

pull1D
Entries 53
Mean −0.01756
Std Dev 1.014

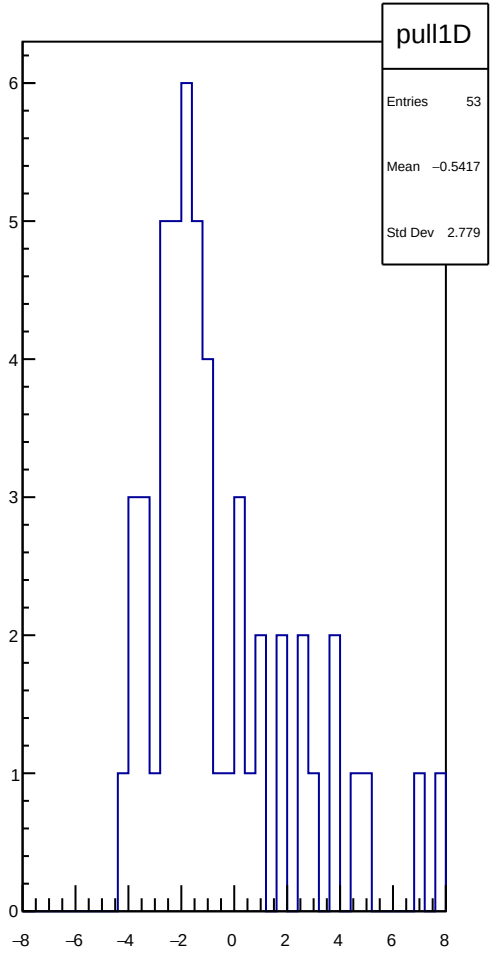

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 551.1 / 52
p0 −1.178 ± 0.03425
pull
Entries 53
Mean −2.945
Std Dev 39.72

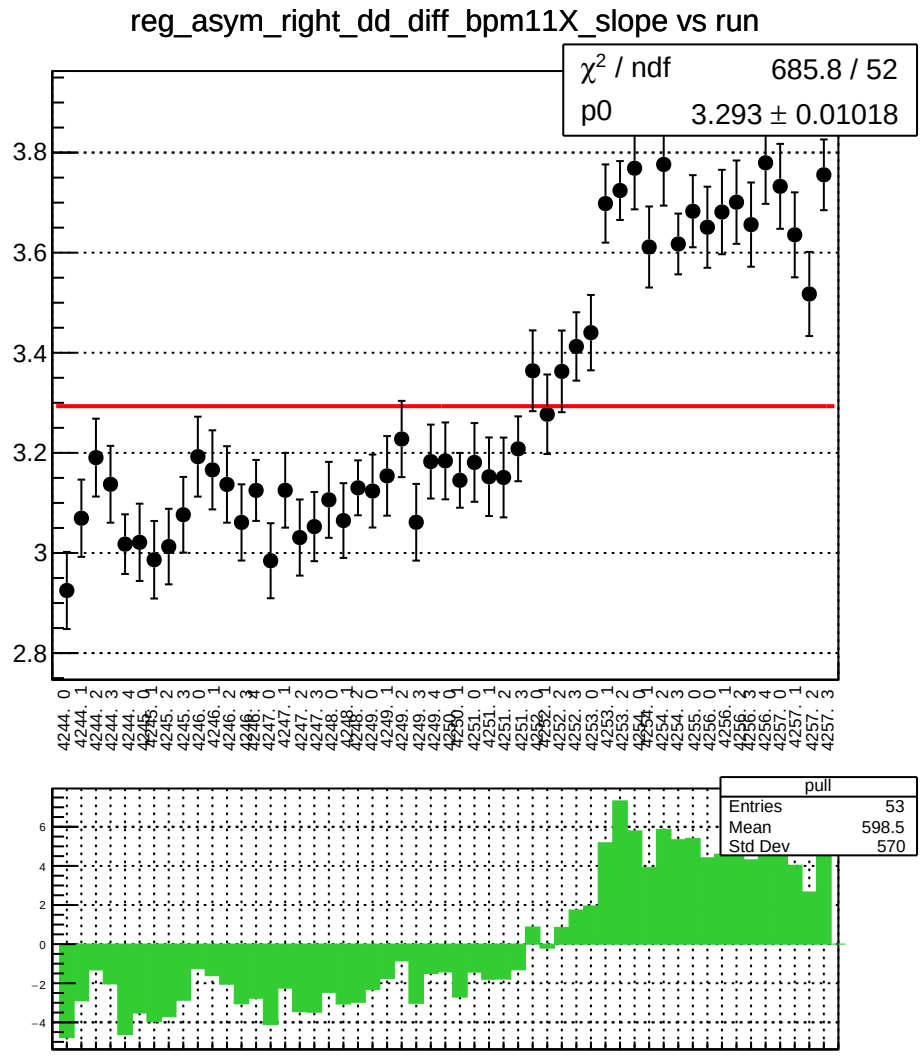

pull1D
Entries 53
Mean 0.5121
Std Dev 2.796

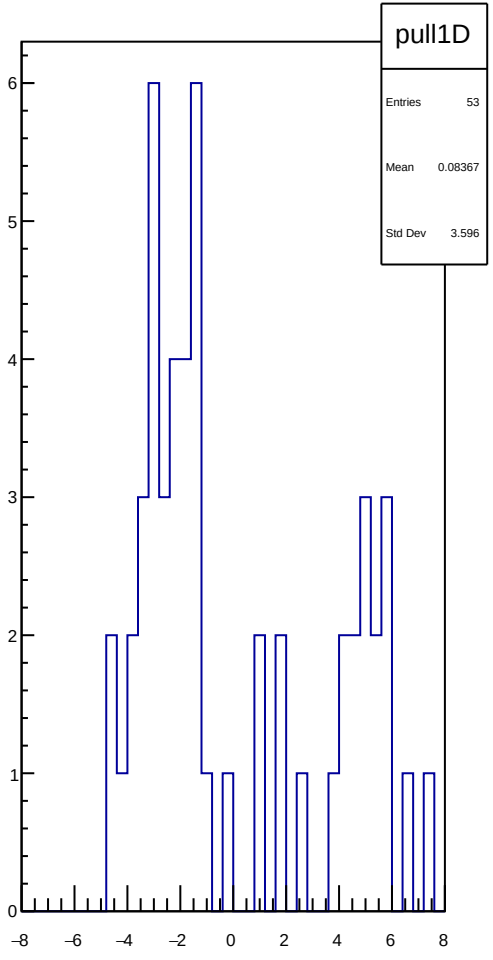

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 209.7 / 52
p0 4.458 ± 0.008641
4.7
4.6
4.5
4.4
4.3
4.2
pull
Entries 53
Mean 424.2
Std Dev 393.7

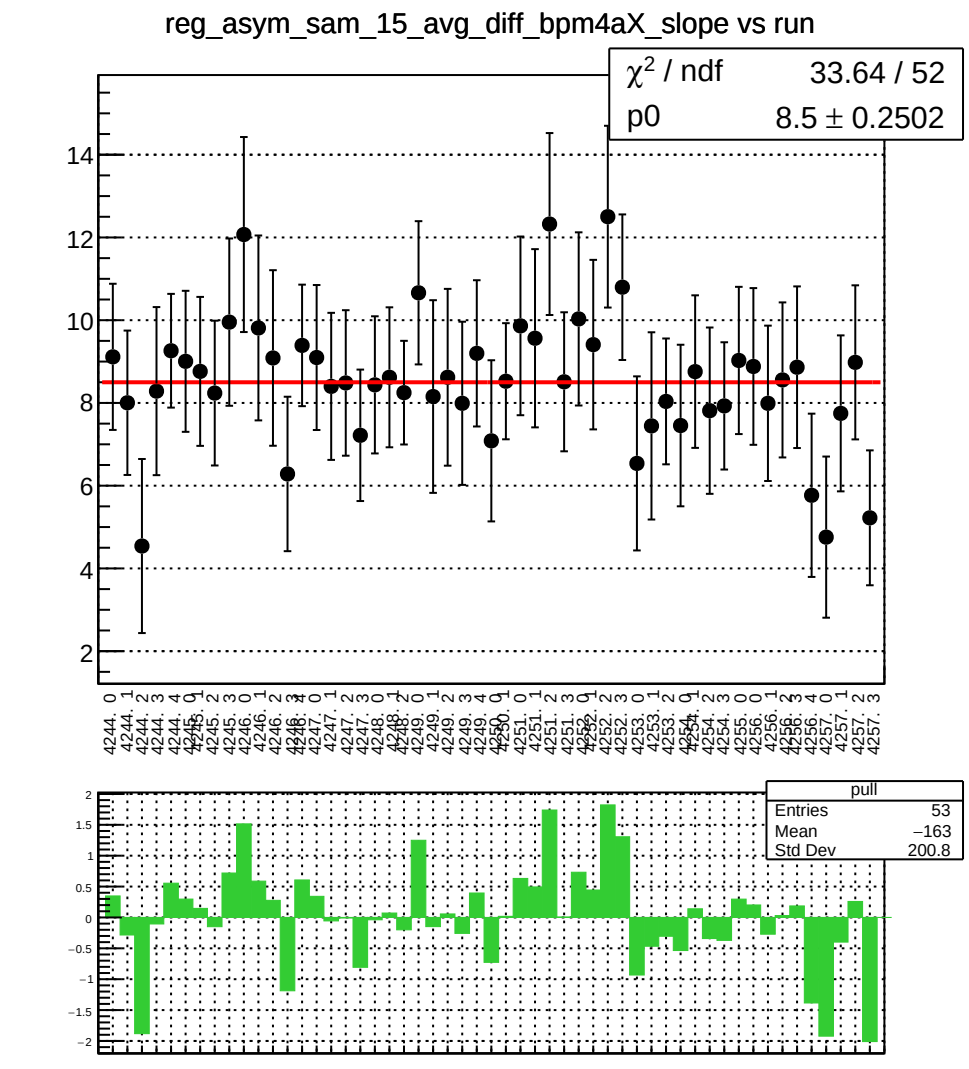

pull1D
Entries 53
Mean 0.05296
Std Dev 1.989

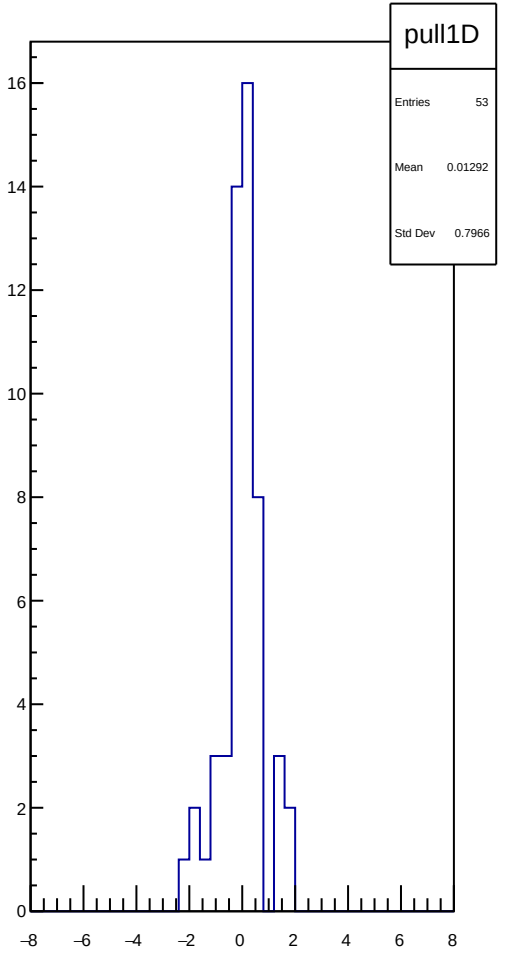

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 559.1 / 52
p0 1.021 ± 0.05652
pull
Entries 53
Mean 4.973
Std Dev 33.53

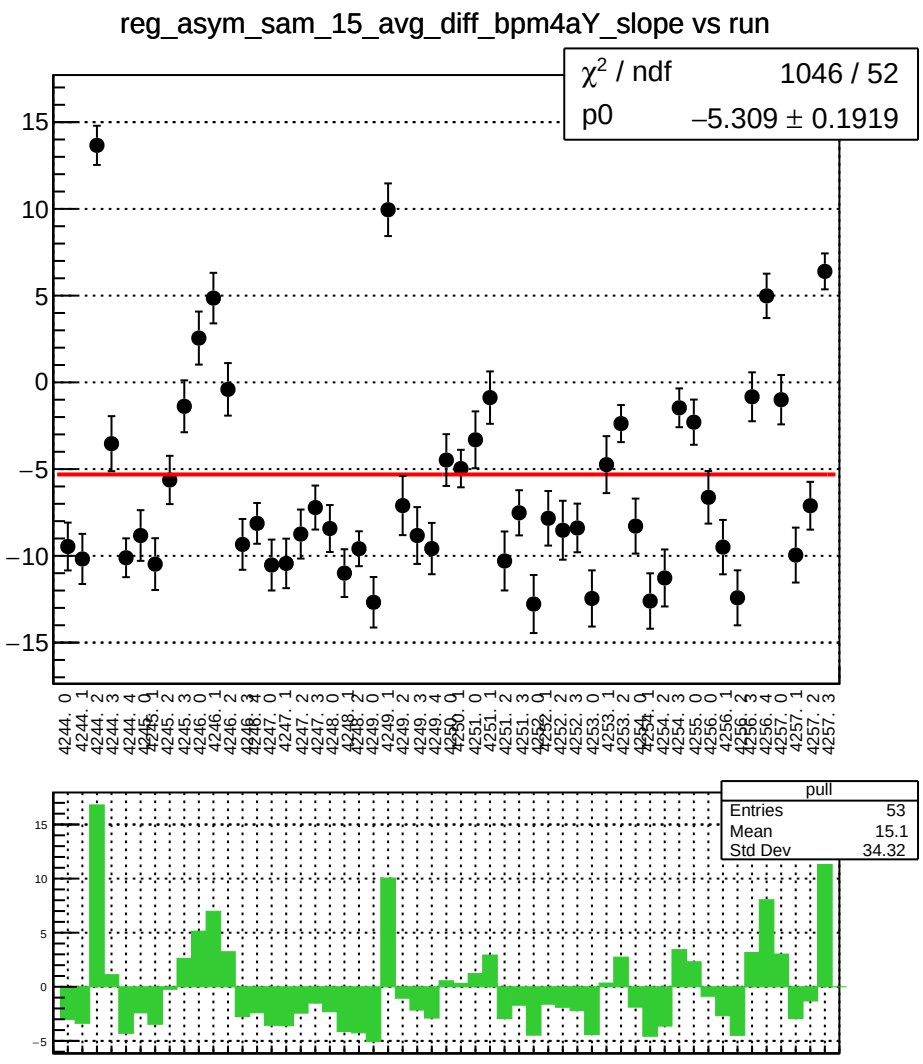

pull1D
Entries 53
Mean −0.5417
Std Dev 2.779

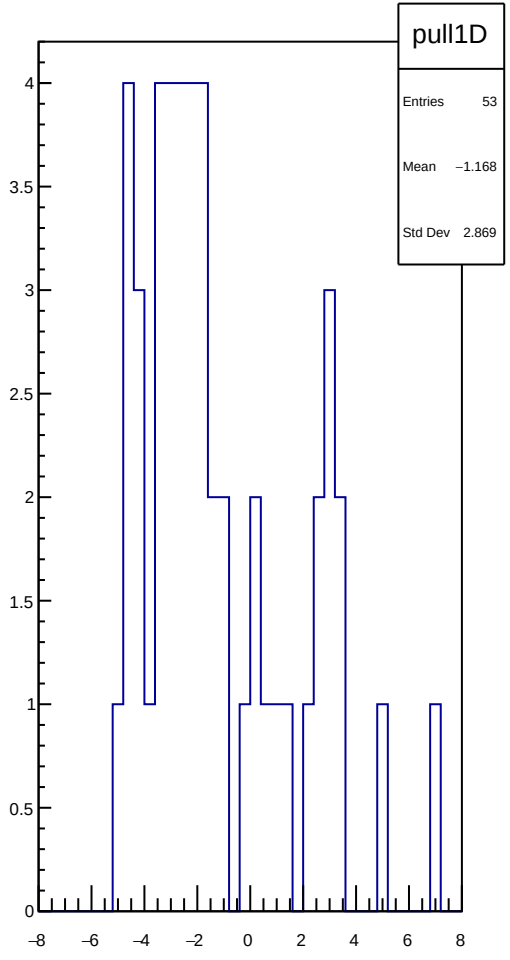

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 685.8 / 52
p0 3.293 ± 0.01018
pull
Entries 53
Mean 598.5
Std Dev 570

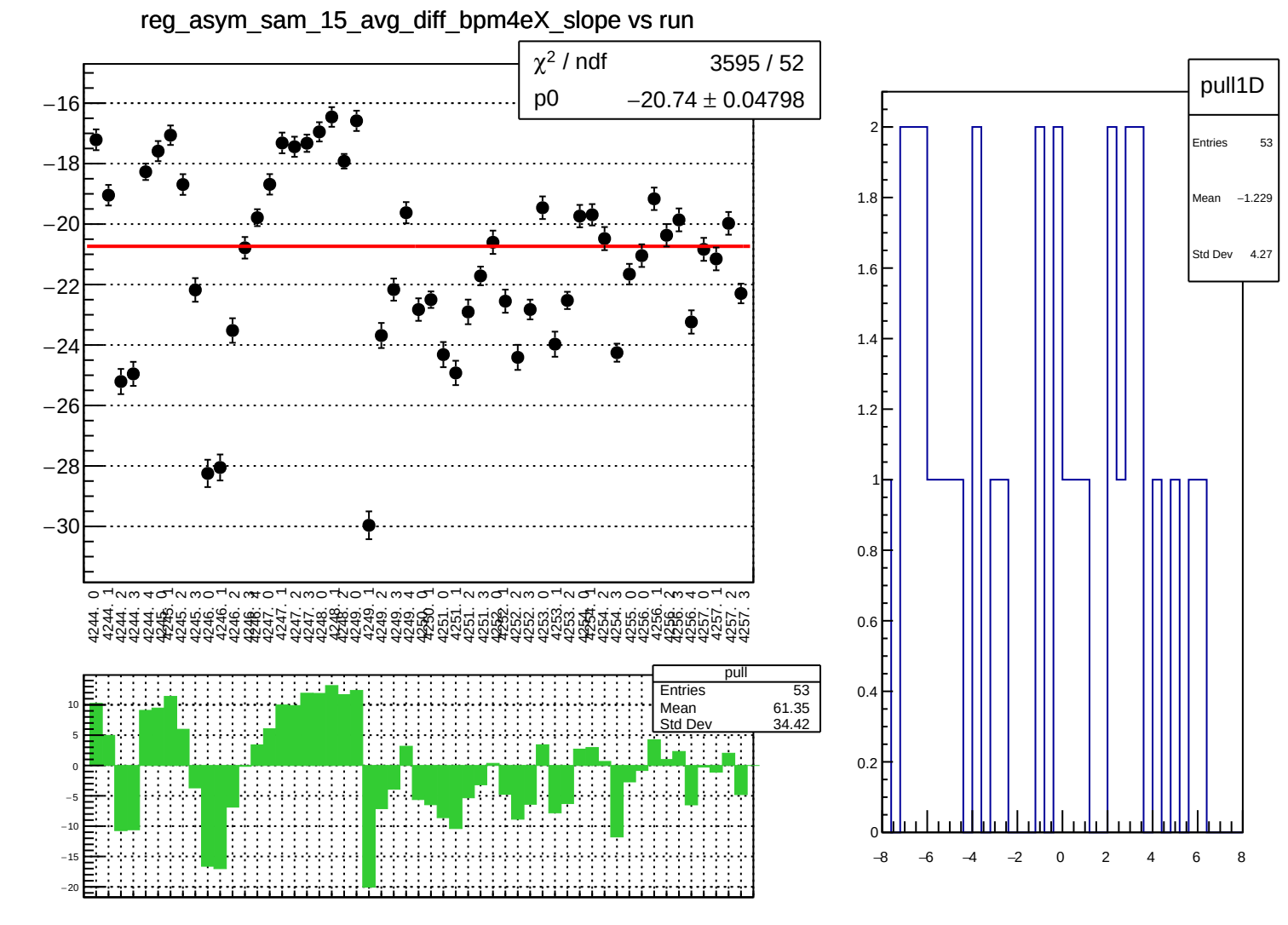

pull1D
Entries 53
Mean 0.08367
Std Dev 3.596

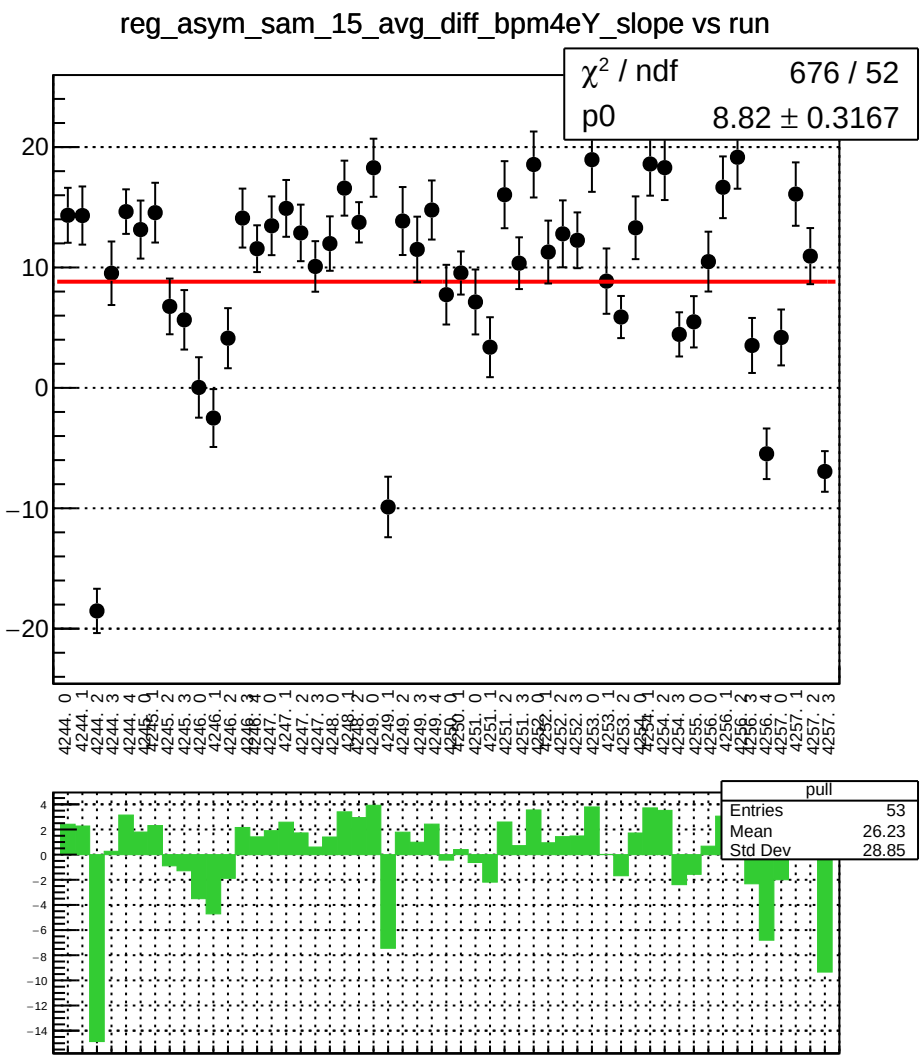

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 33.64 / 52
p0 8.5 ± 0.2502
pull
Entries 53
Mean −163
Std Dev 200.8

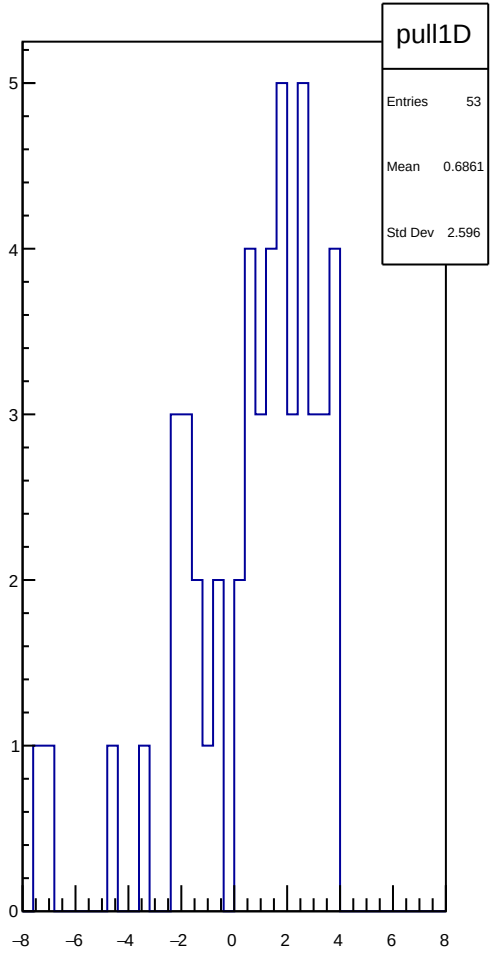

pull1D
Entries 53
Mean 0.01292
Std Dev 0.7966

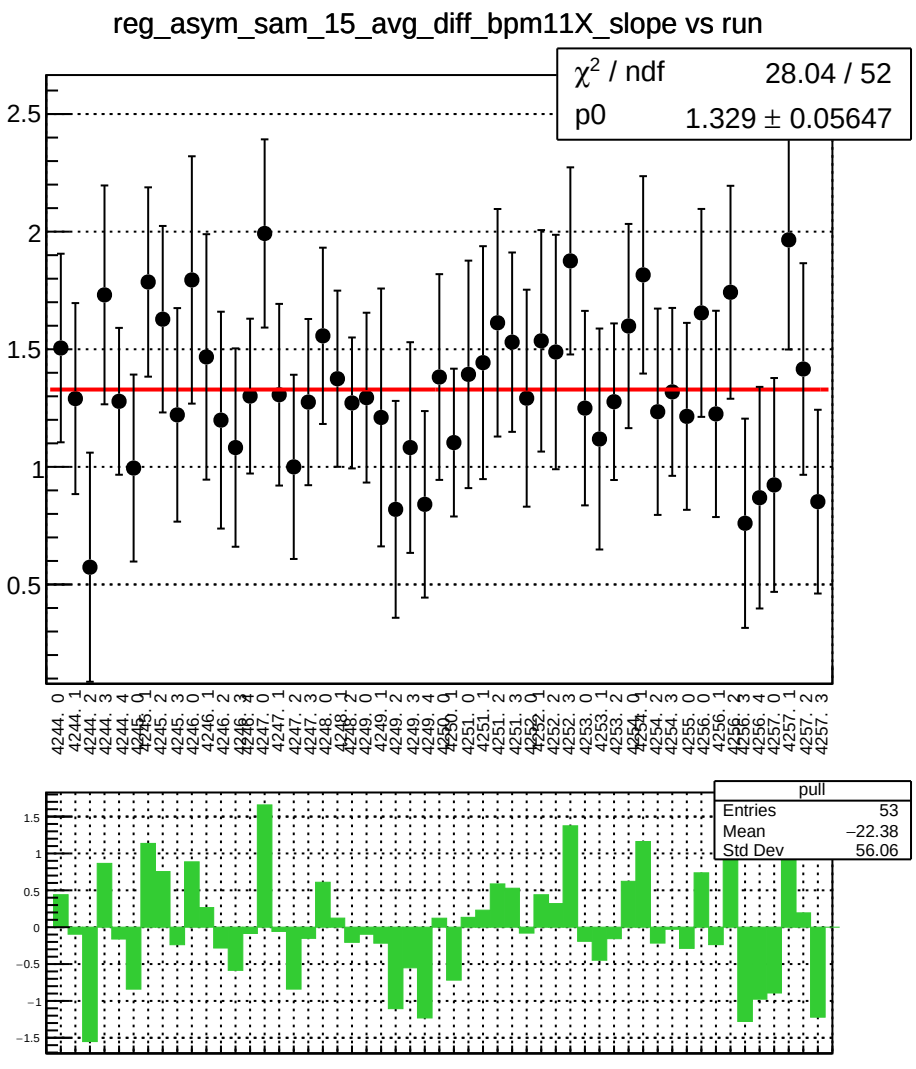

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 1046 / 52
p0 −5.309 ± 0.1919
pull
Entries 53
Mean 15.1
Std Dev 34.32

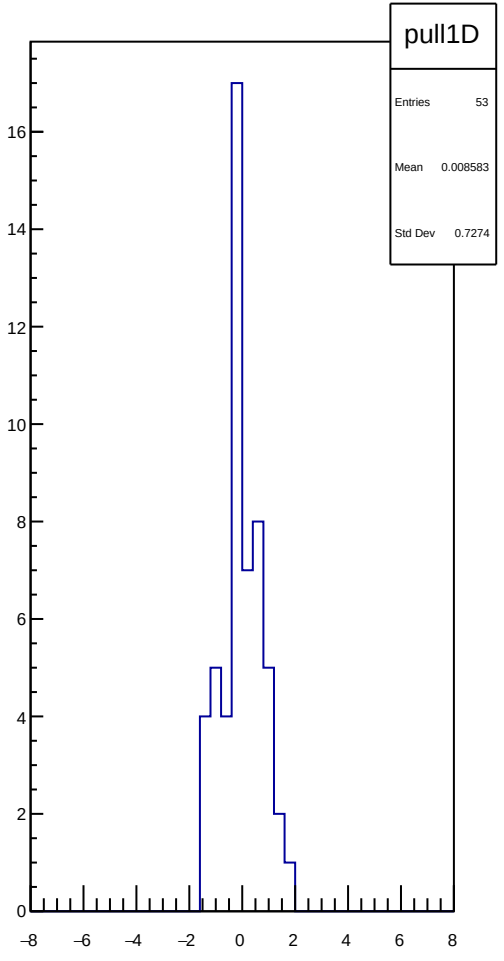

pull1D
Entries 53
Mean −1.168
Std Dev 2.869

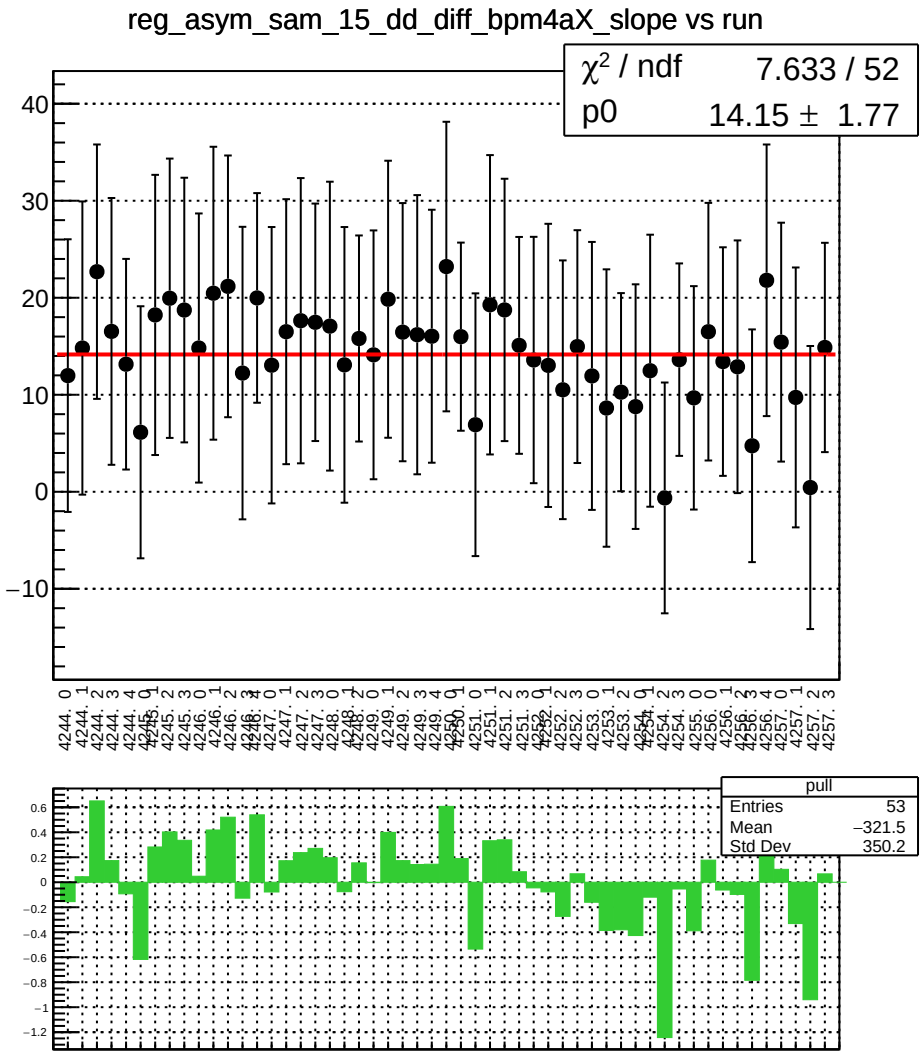

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 3595 / 52
p0 −20.74 ± 0.04798
pull
Entries 53
Mean 61.35
Std Dev 34.42
pull1D
Entries 53
Mean −1.229
Std Dev 4.27

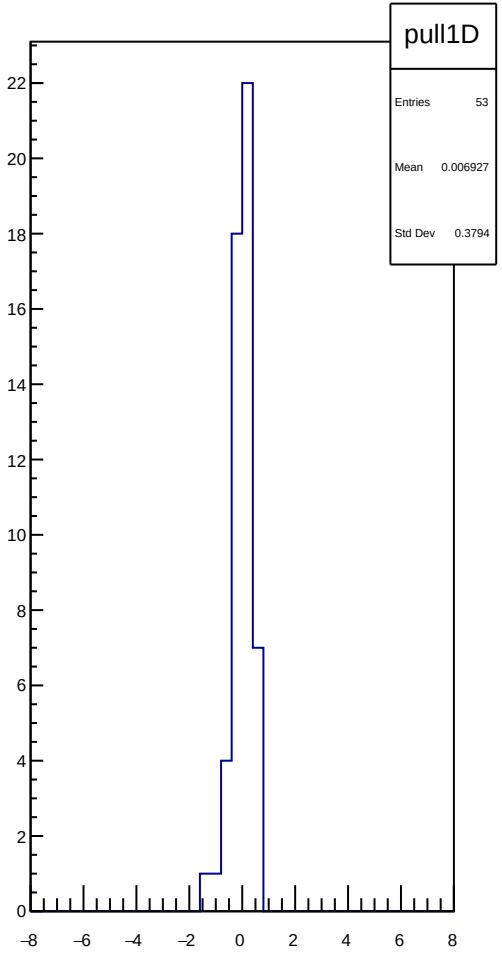

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 676 / 52
p0 8.82 ± 0.3167
pull
Entries 53
Mean 26.23
Std Dev 28.85

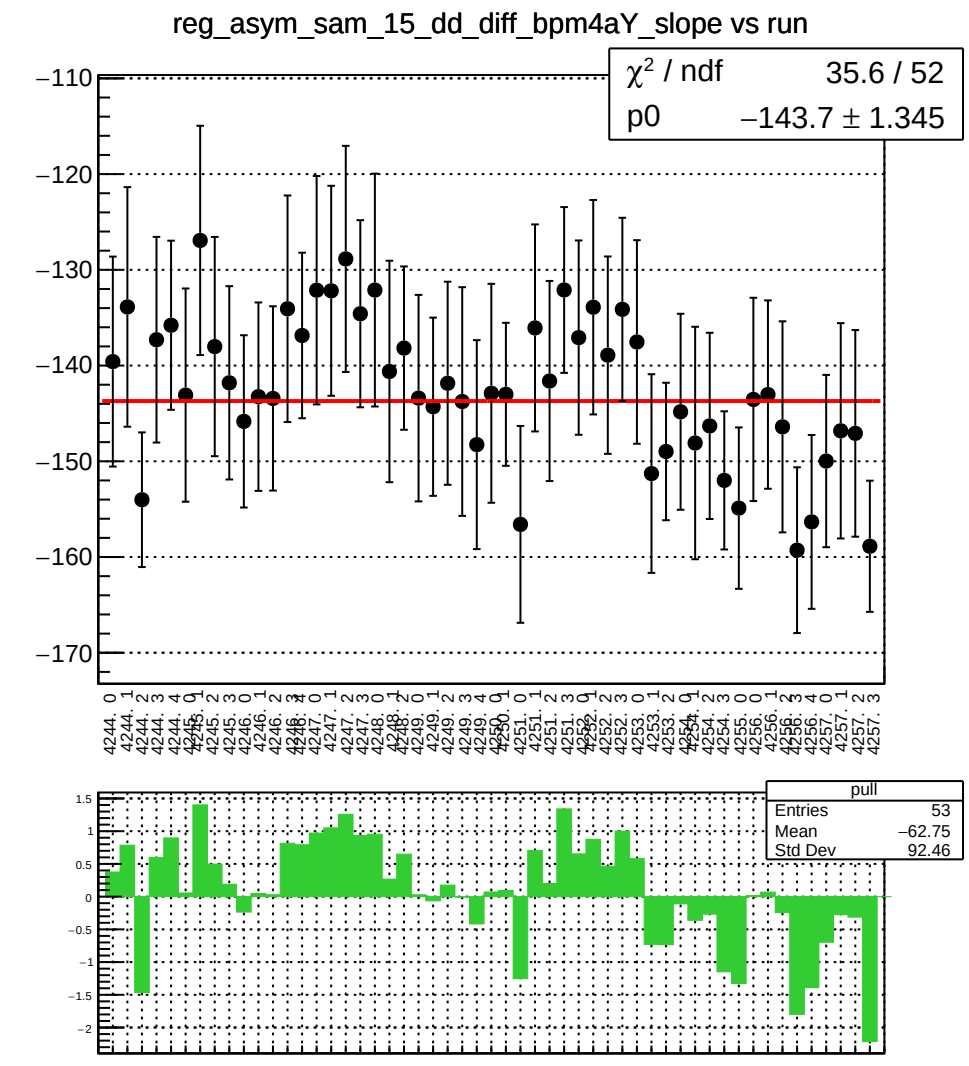

pull1D
Entries 53
Mean 0.6861
Std Dev 2.596

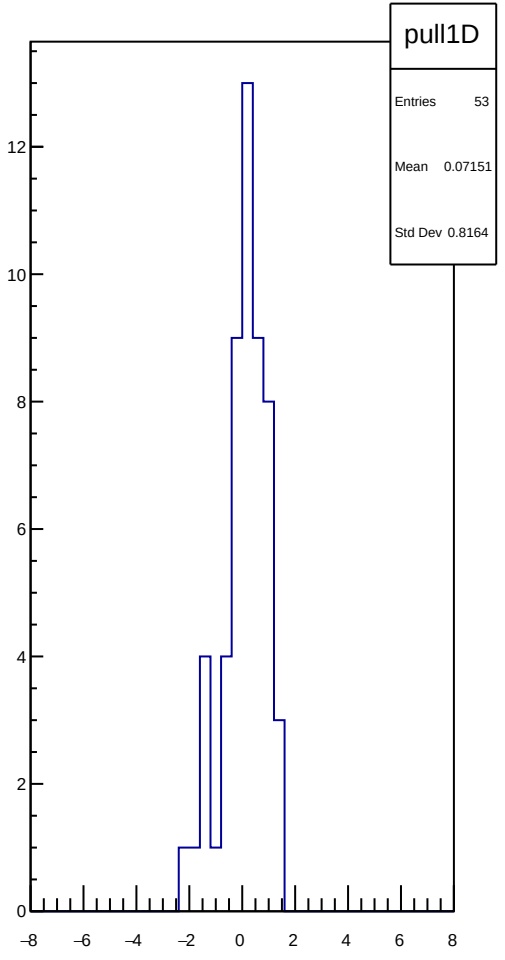

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 28.04 / 52
p0 1.329 ± 0.05647
pull
Entries 53
Mean −22.38
Std Dev 56.06

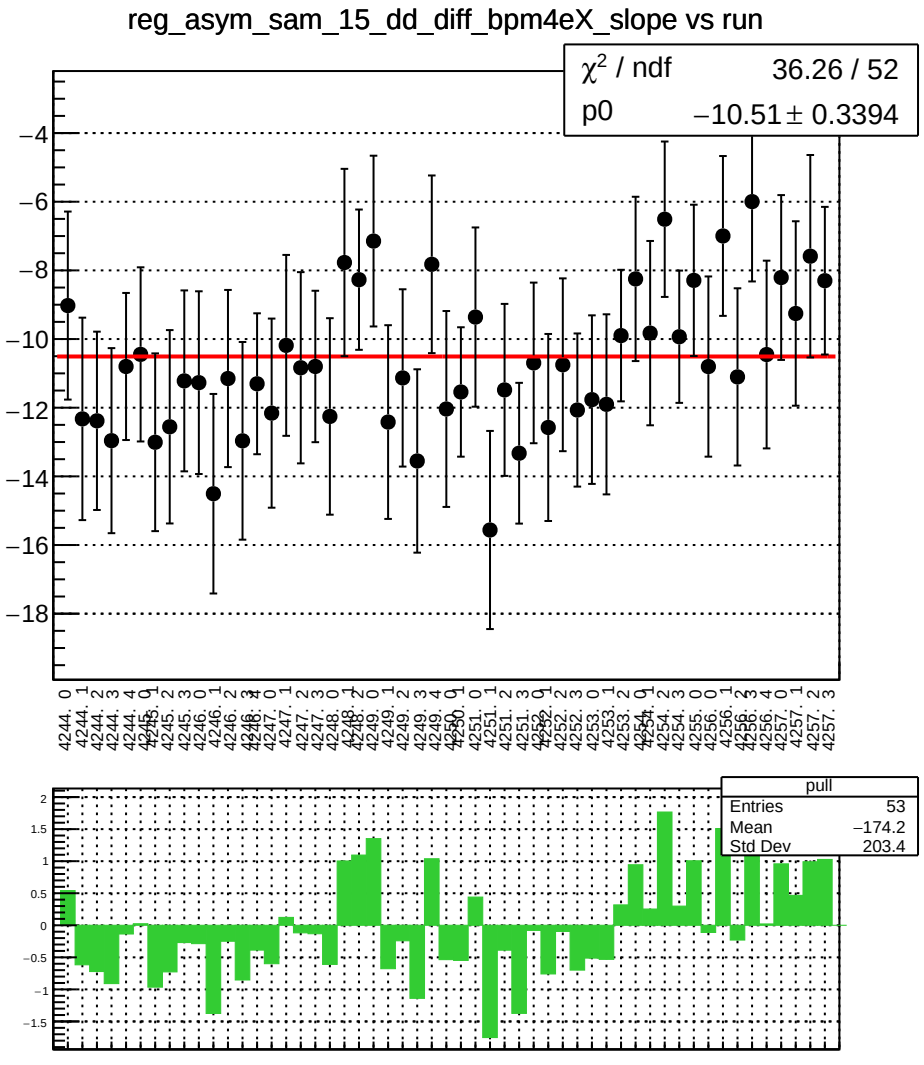

pull1D
Entries 53
Mean 0.008583
Std Dev 0.7274

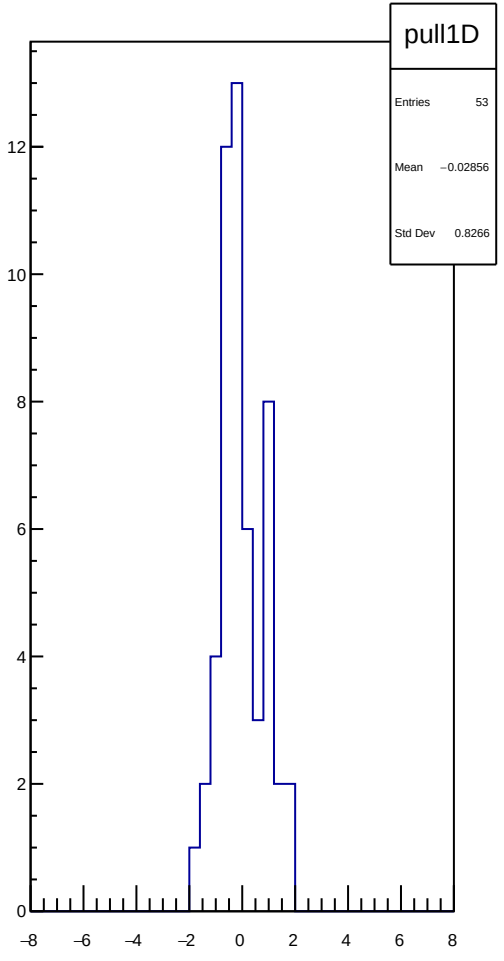

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 7.633 / 52
p0 14.15 ± 1.77
pull
Entries 53
Mean −321.5
Std Dev 350.2

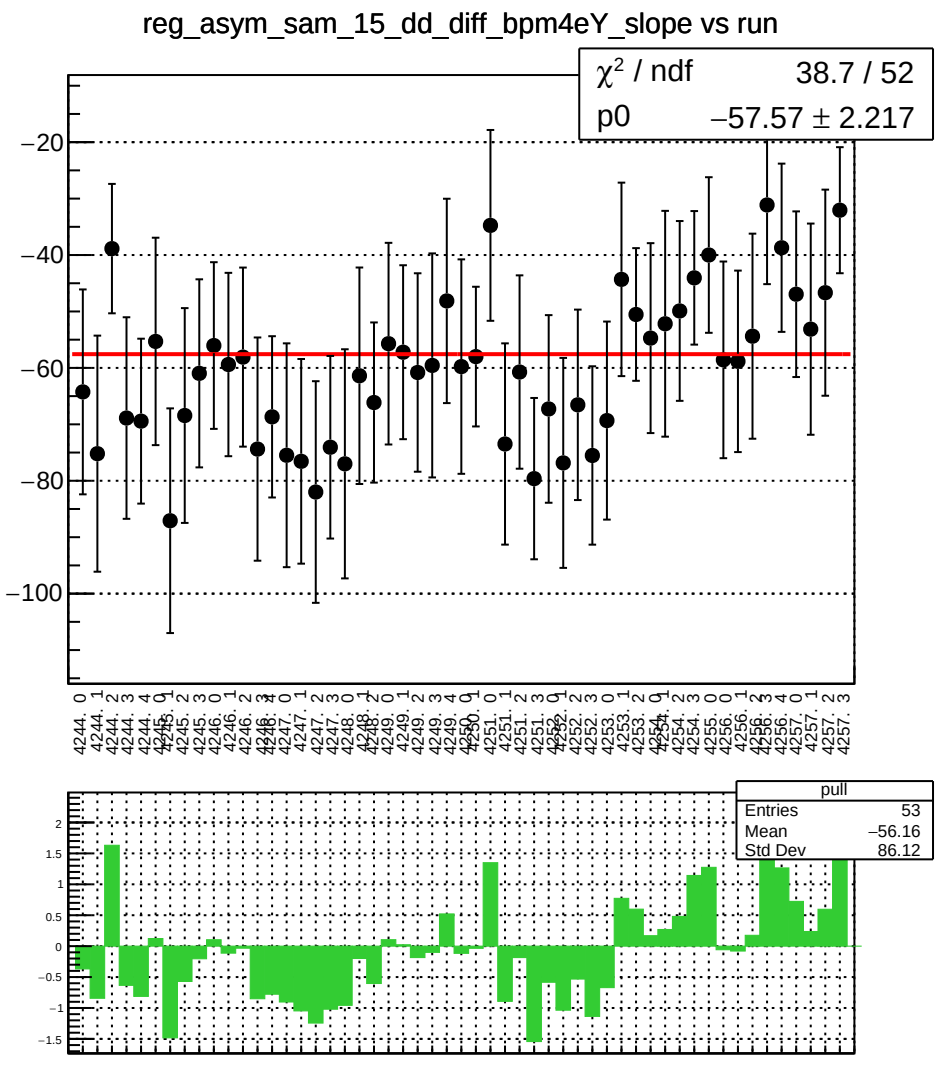

pull1D
Entries 53
Mean 0.006927
Std Dev 0.3794

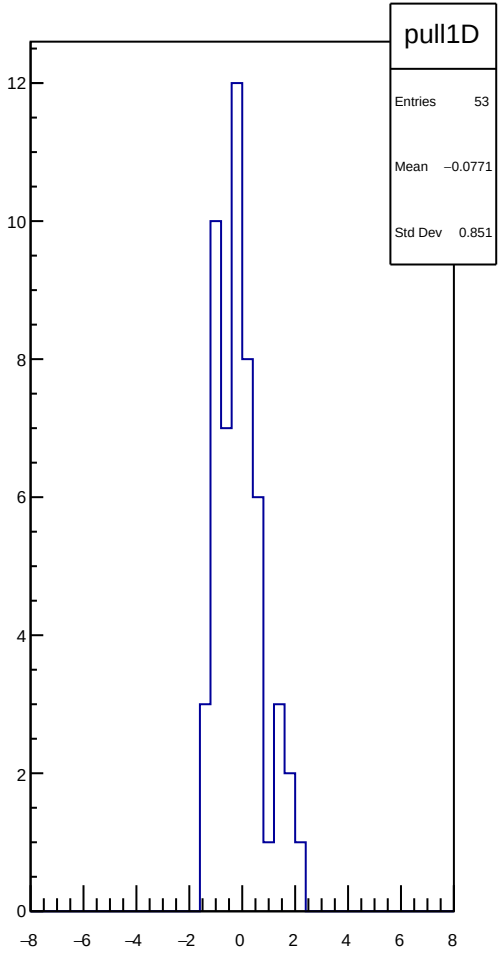

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.6 / 52
p0 −143.7 ± 1.345
pull
Entries 53
Mean −62.75
Std Dev 92.46

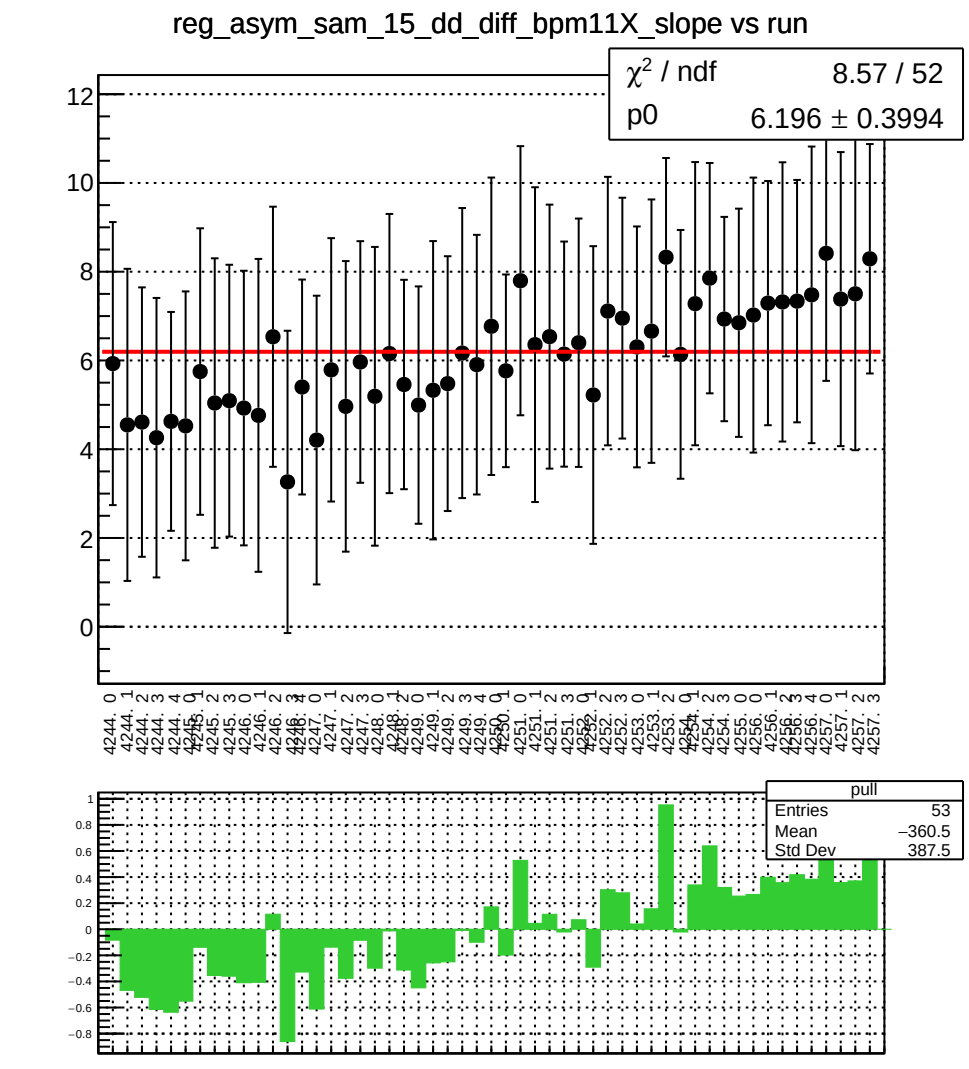

pull1D
Entries 53
Mean 0.07151
Std Dev 0.8164

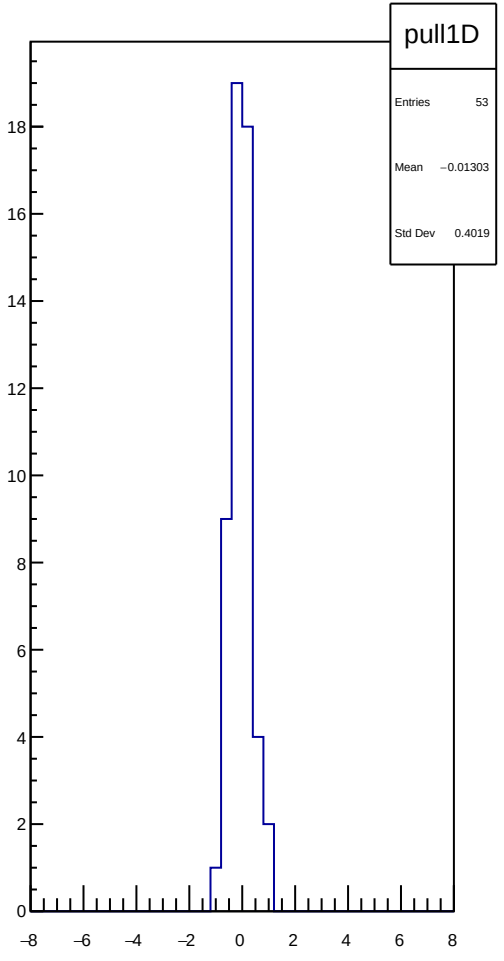

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.26 / 52
p0 −10.51 ± 0.3394
pull
Entries 53
Mean −174.2
Std Dev 203.4

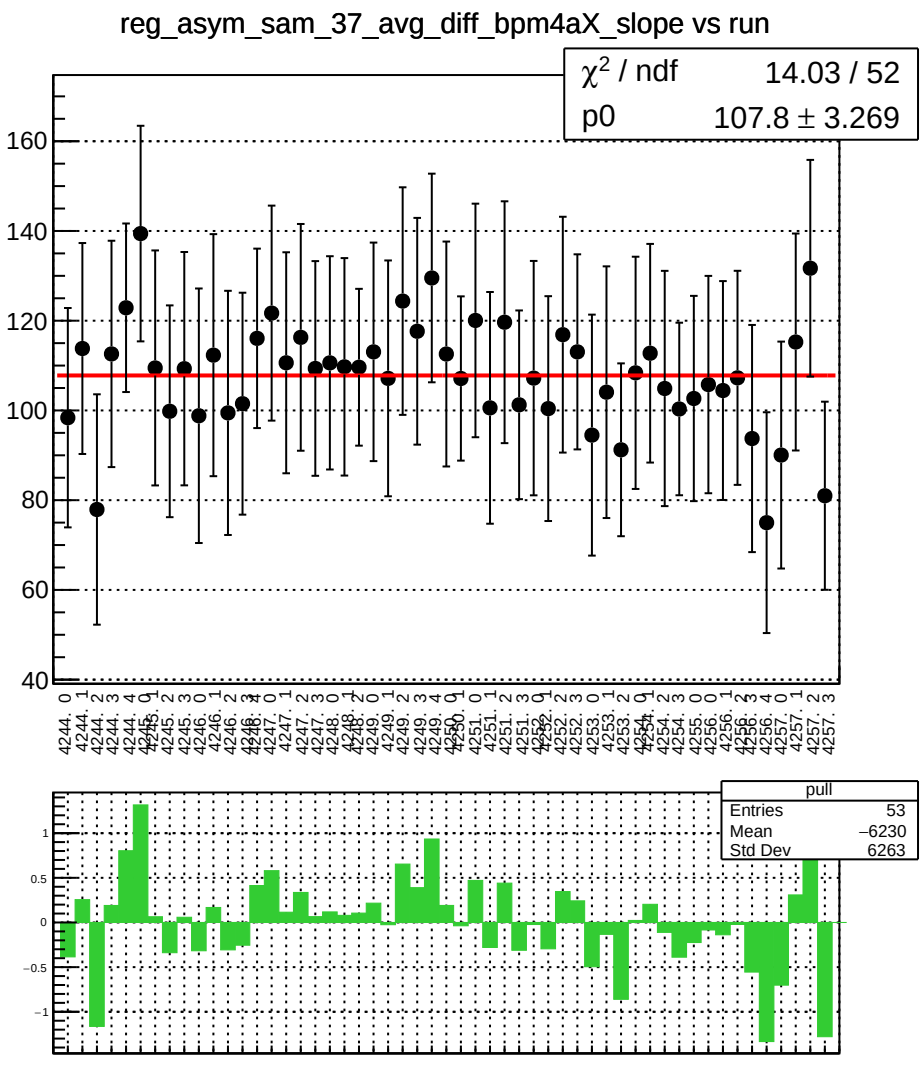

pull1D
Entries 53
Mean −0.02856
Std Dev 0.8266

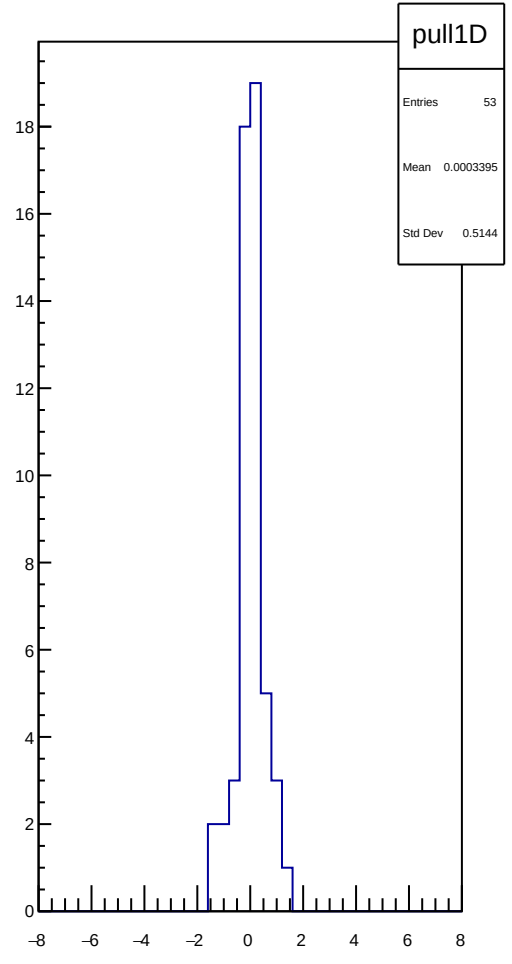

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.7 / 52
p0 −57.57 ± 2.217
pull
Entries 53
Mean −56.16
Std Dev 86.12

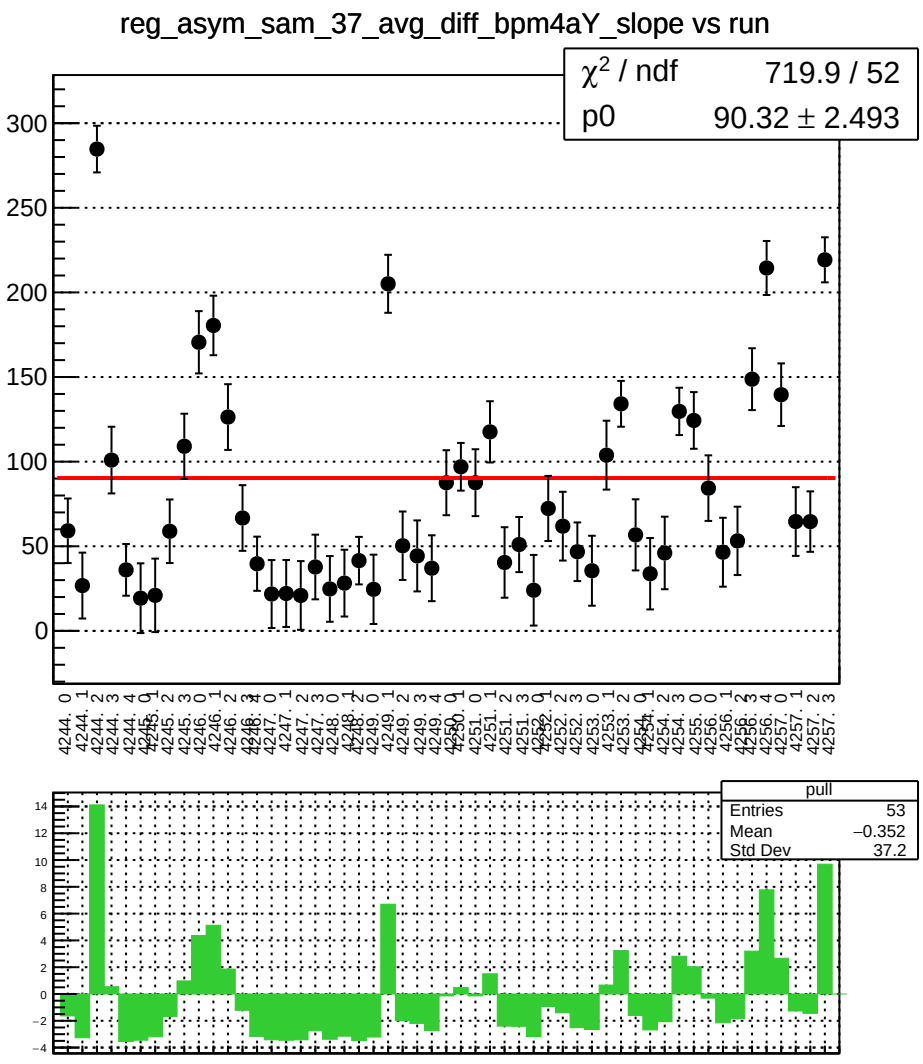

pull1D
Entries 53
Mean −0.0771
Std Dev 0.851

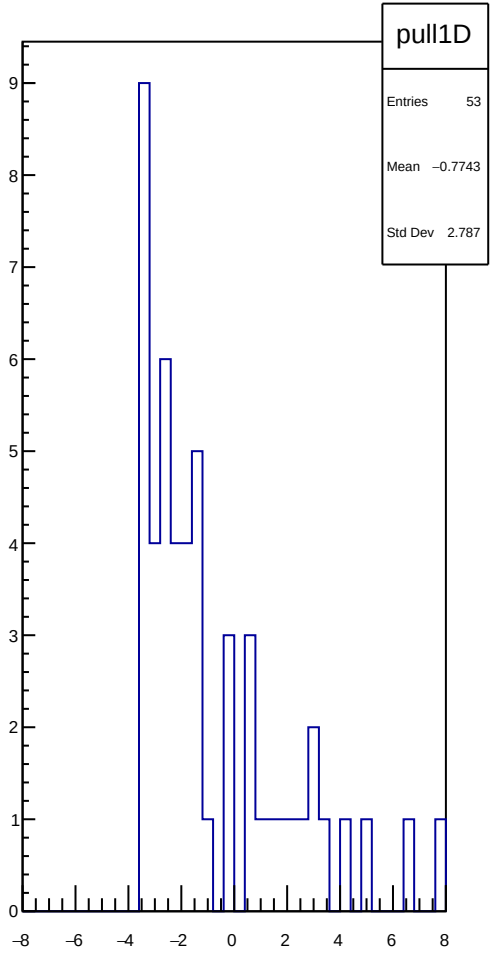

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 8.57 / 52
p0 6.196 ± 0.3994
pull
Entries 53
Mean −360.5
Std Dev 387.5

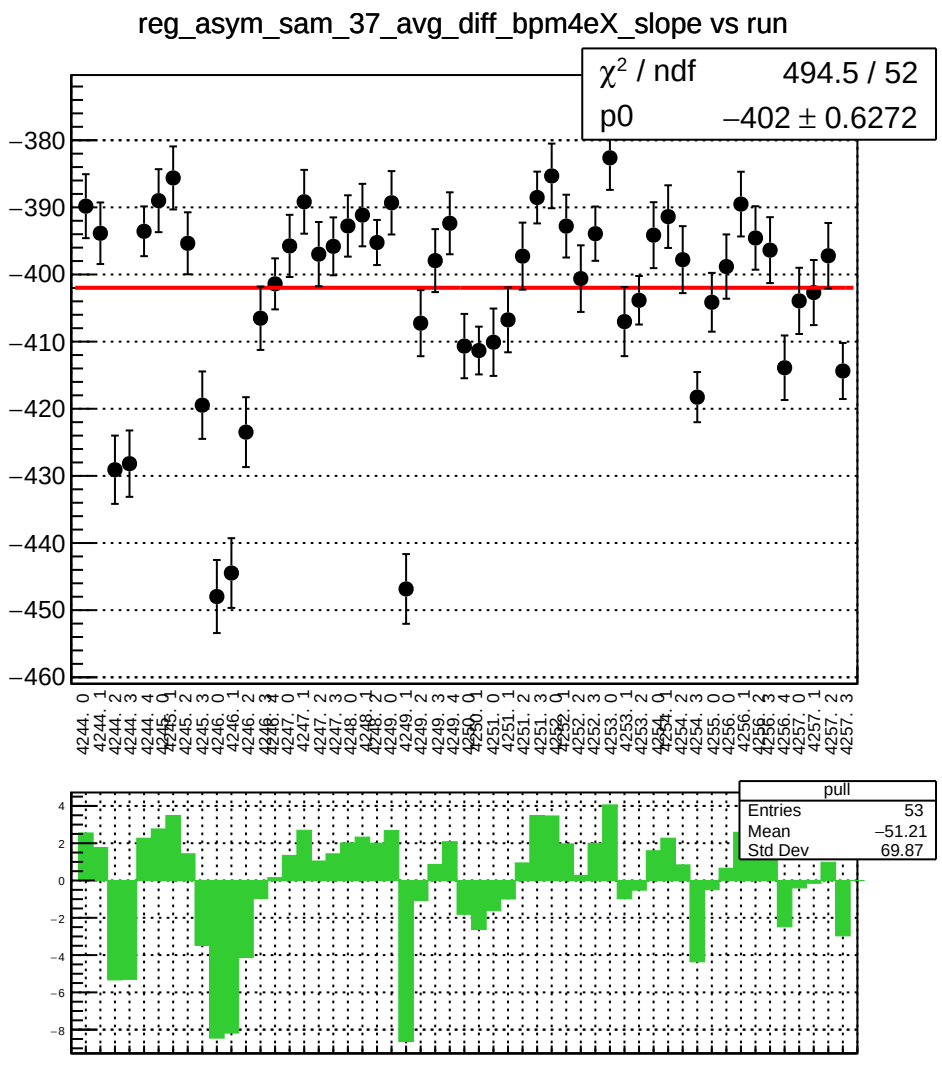

pull1D
Entries 53
Mean −0.01303
Std Dev 0.4019

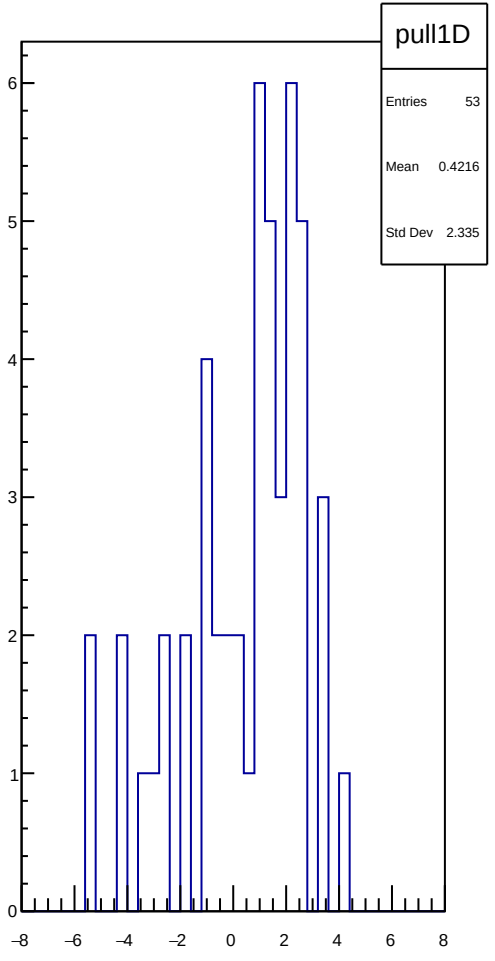

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.03 / 52
p0 107.8 ± 3.269
pull
Entries 53
Mean −6230
Std Dev 6263

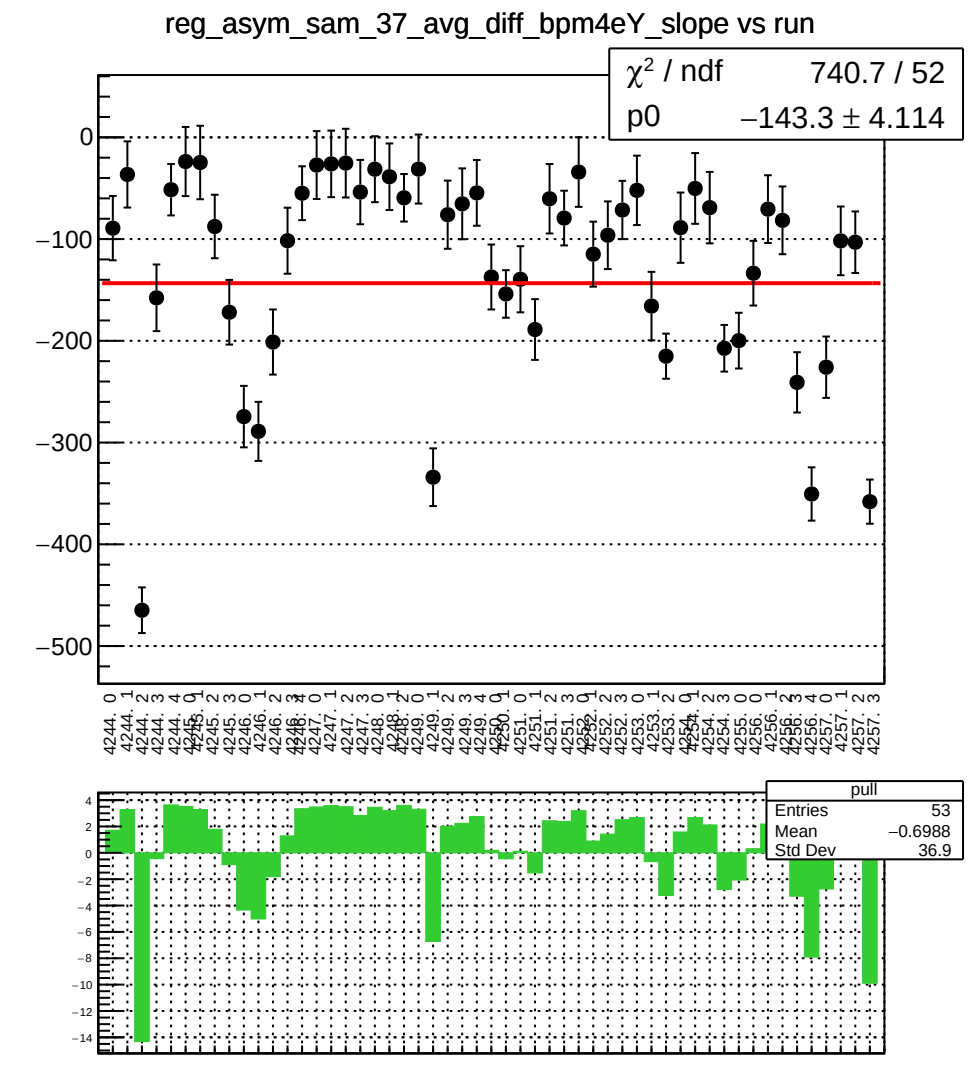

pull1D
Entries 53
Mean 0.0003395
Std Dev 0.5144

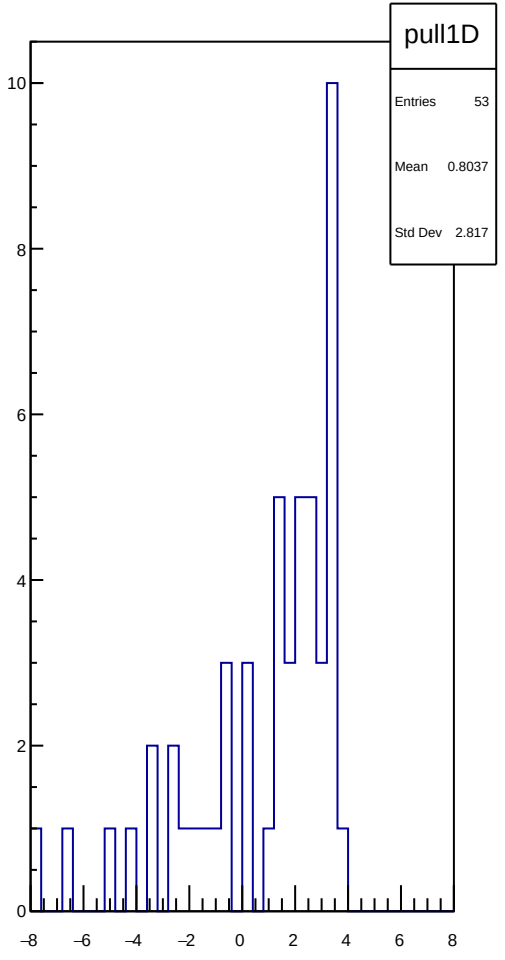

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 719.9 / 52
p0 90.32 ± 2.493
pull
Entries 53
Mean −0.352
Std Dev 37.2

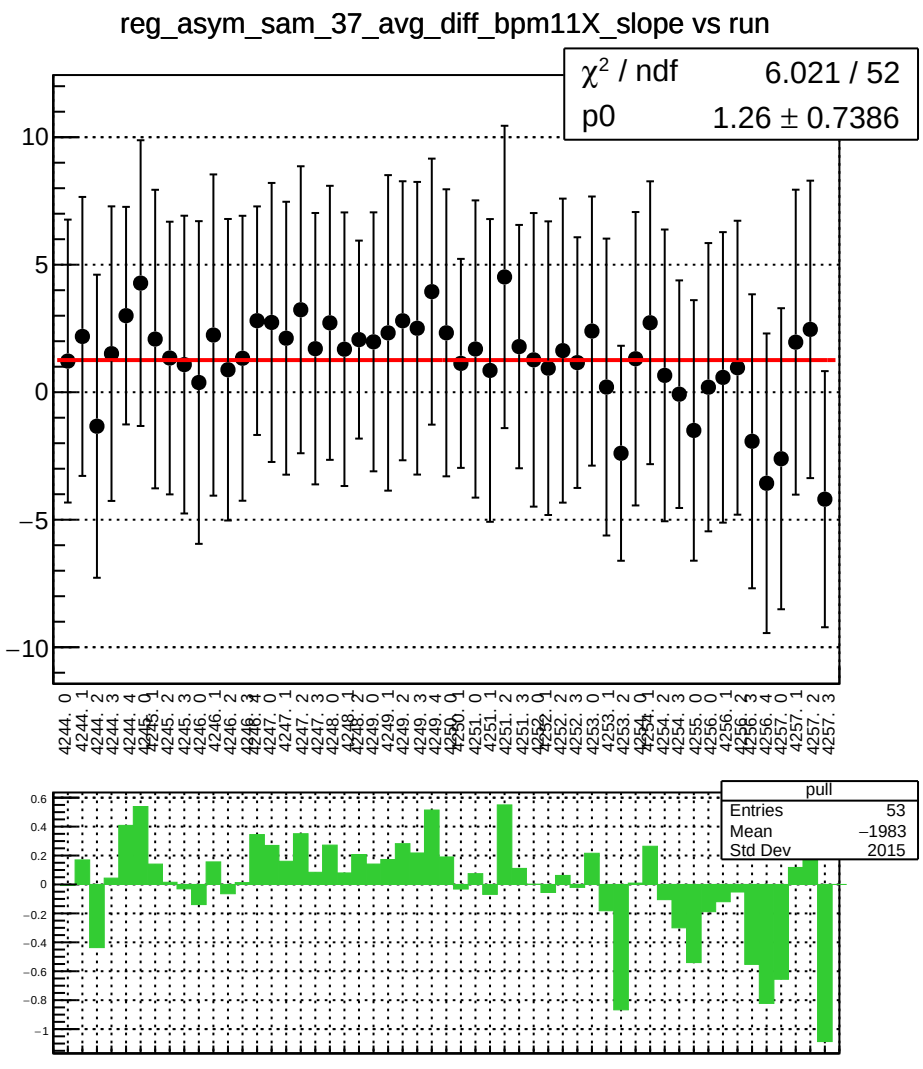

pull1D
Entries 53
Mean −0.7743
Std Dev 2.787

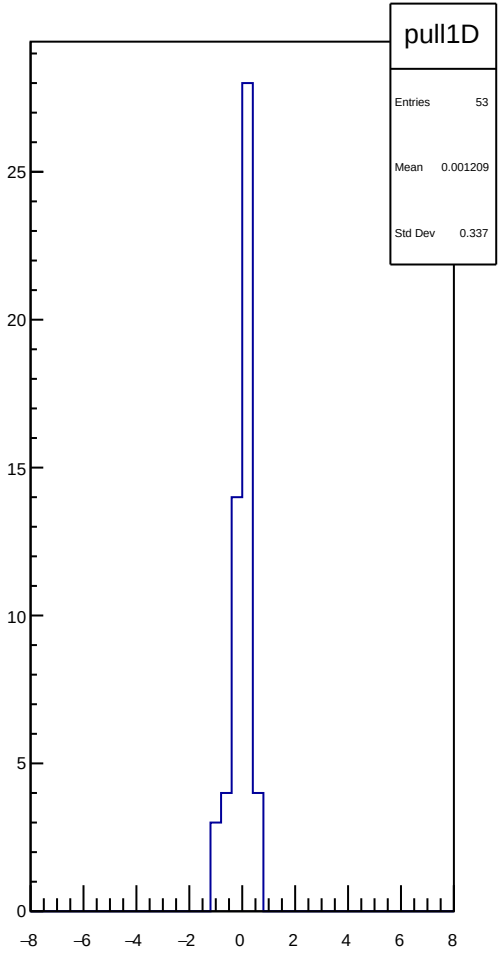

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 494.5 / 52
p0 −402 ± 0.6272
pull
Entries 53
Mean −51.21
Std Dev 69.87

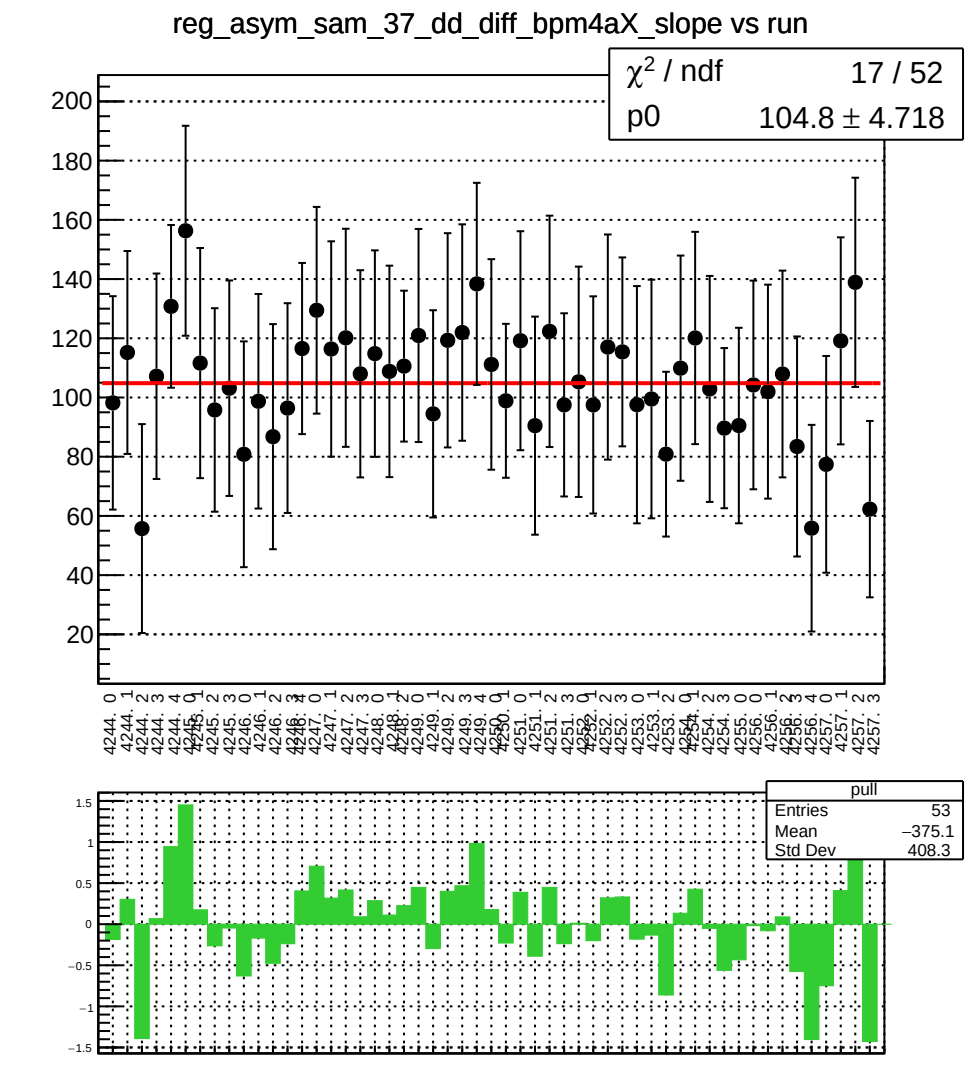

pull1D
Entries 53
Mean 0.4216
Std Dev 2.335

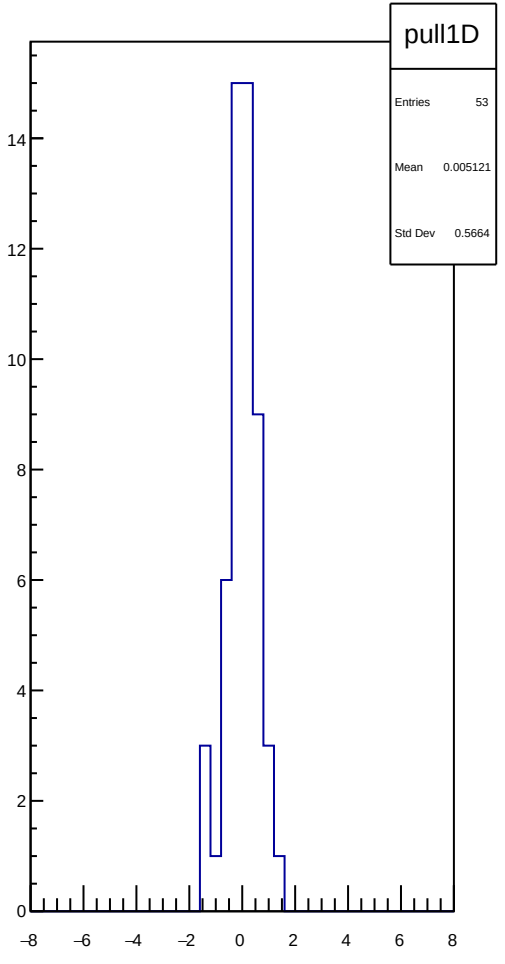

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 740.7 / 52
p0 −143.3 ± 4.114
pull
Entries 53
Mean −0.6988
Std Dev 36.9

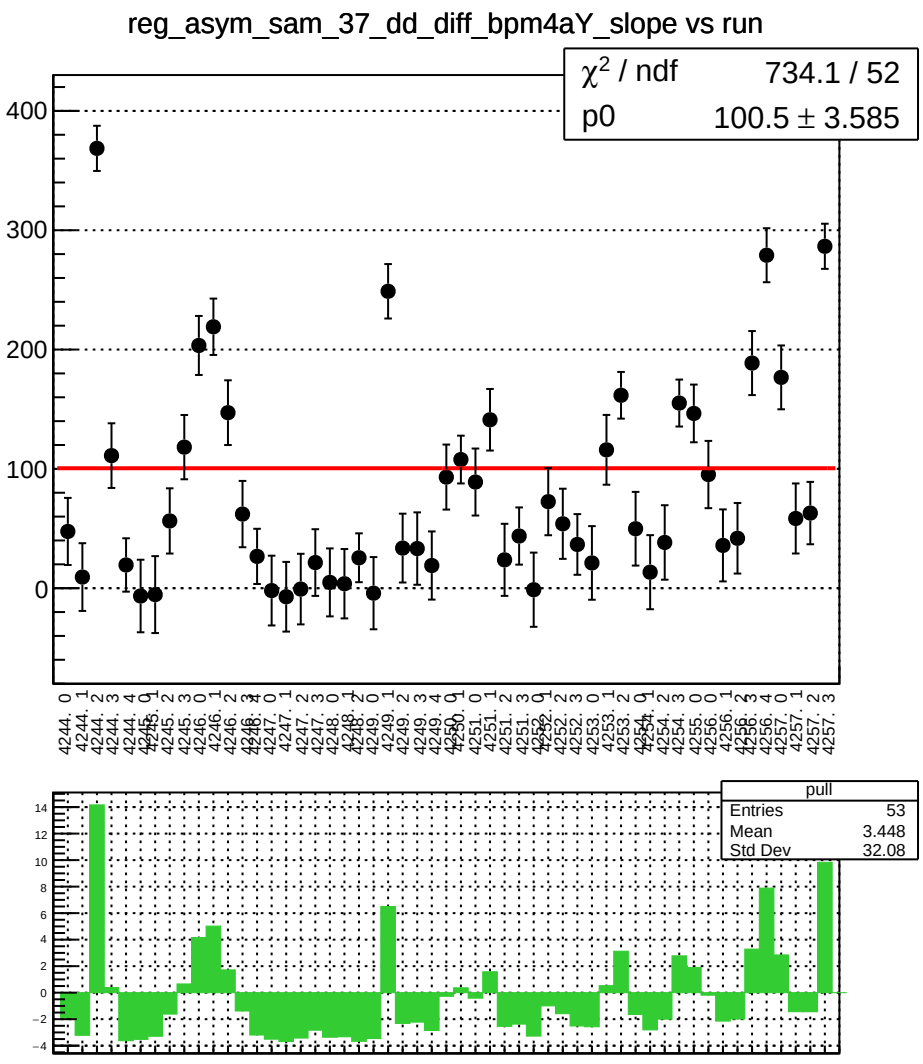

pull1D
Entries 53
Mean 0.8037
Std Dev 2.817

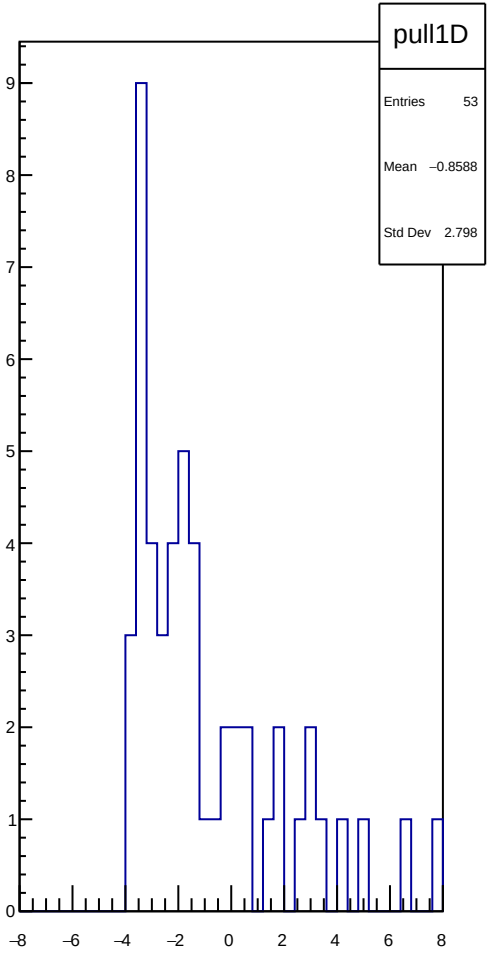

reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 6.021 / 52
p0 1.26 ± 0.7386
pull
Entries 53
Mean −1983
Std Dev 2015

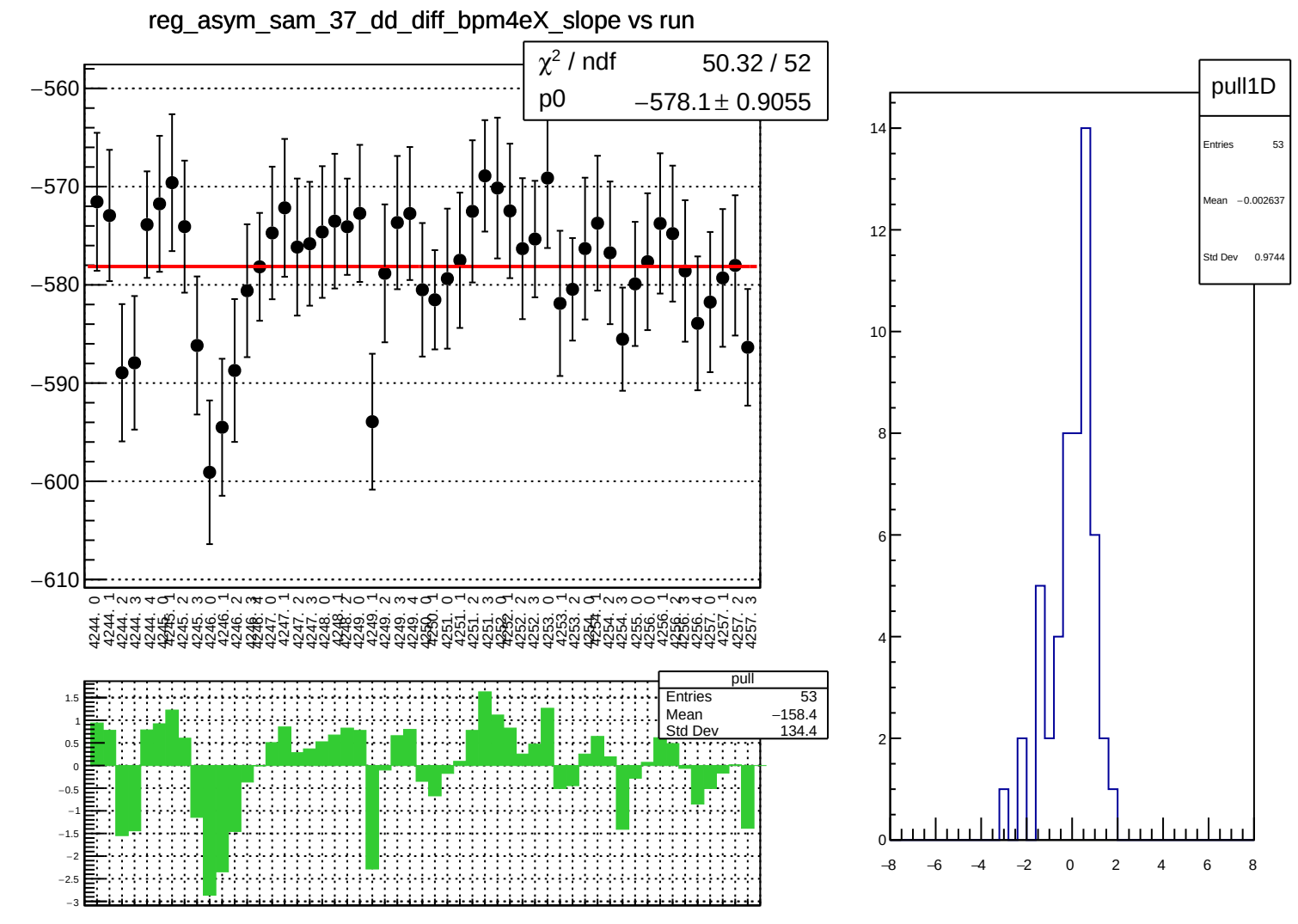

pull1D
Entries 53
Mean 0.001209
Std Dev 0.337

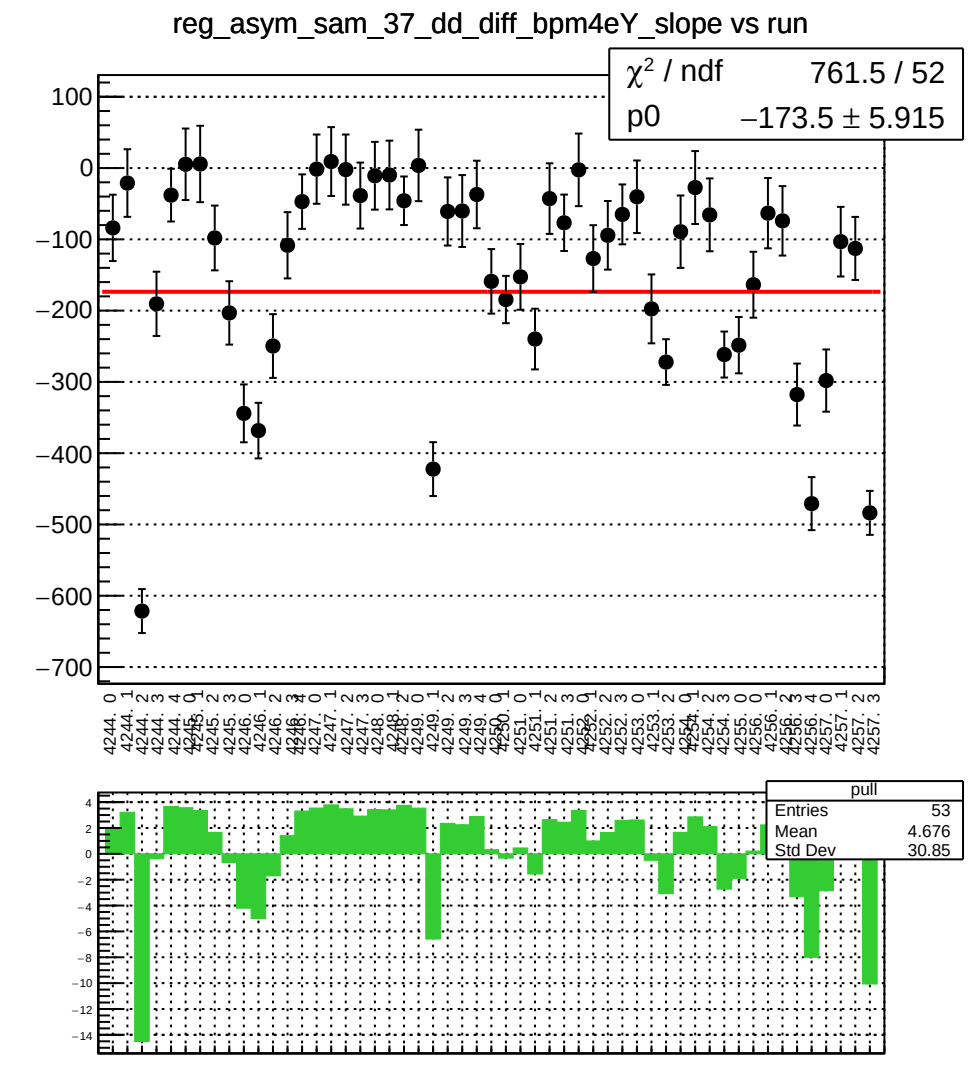

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 17 / 52
p0 104.8 ± 4.718
pull
Entries 53
Mean −375.1
Std Dev 408.3

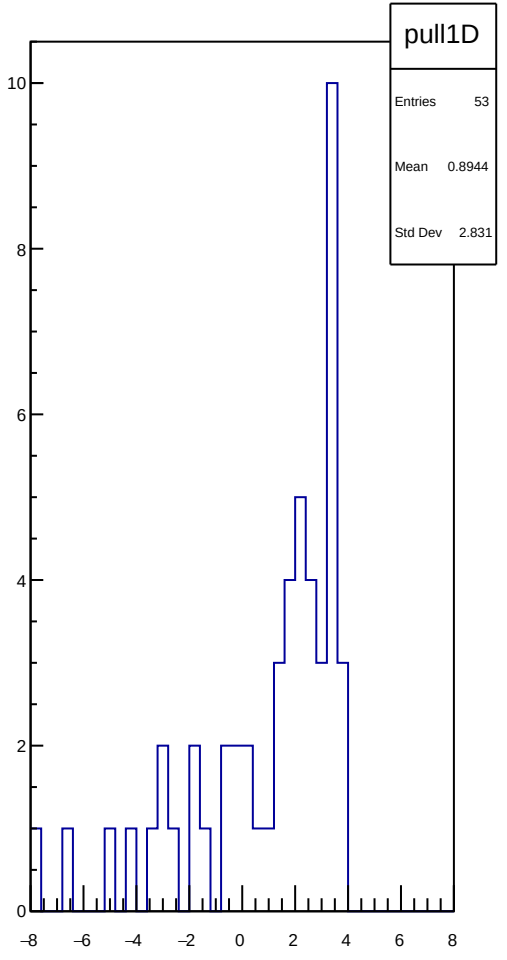

pull1D
Entries 53
Mean 0.005121
Std Dev 0.5664

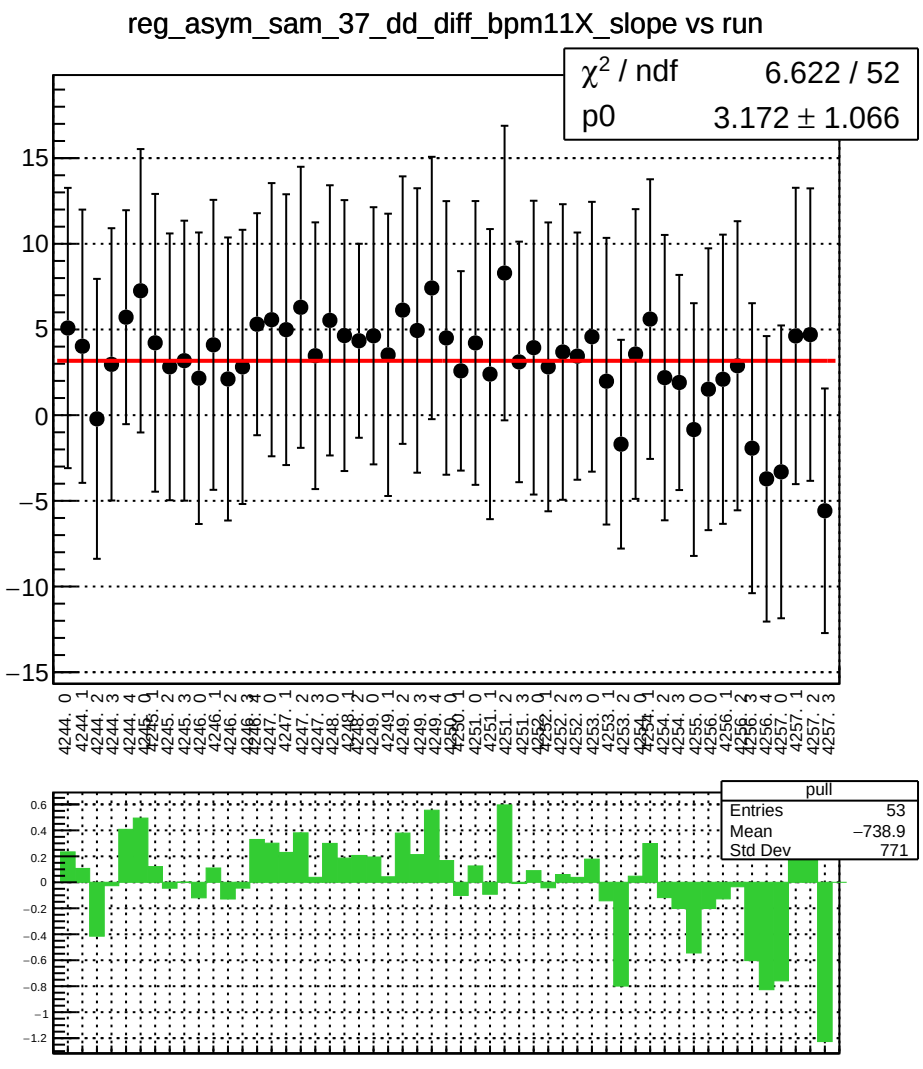

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 734.1 / 52
p0 100.5 ± 3.585
400
300
200
100
0
pull
Entries 53
Mean 3.448
Std Dev 32.08
14
12
10
8
6
4
2
0
−2
−4

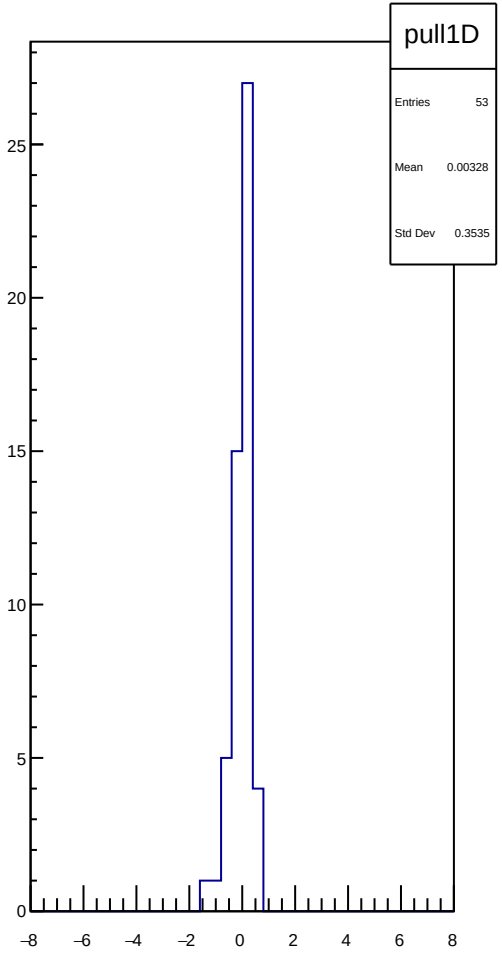

pull1D
Entries 53
Mean −0.8588
Std Dev 2.798
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

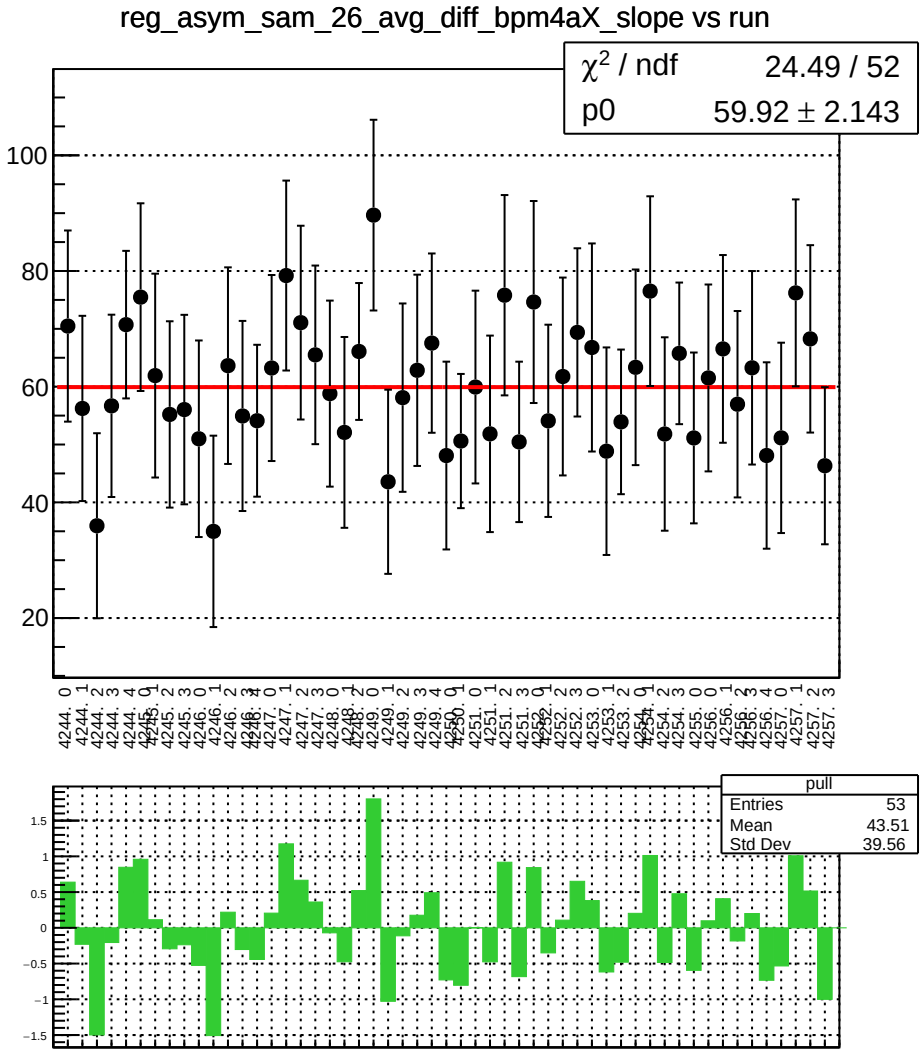

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.32 / 52
p0 −578.1 ± 0.9055
pull
Entries 53
Mean −158.4
Std Dev 134.4
pull1D
Entries 53
Mean −0.002637
Std Dev 0.9744

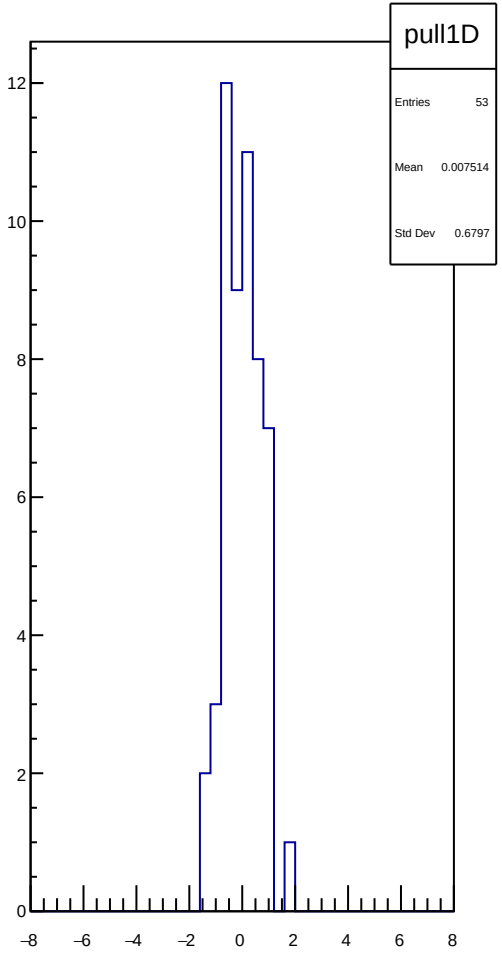

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 761.5 / 52
p0 −173.5 ± 5.915
pull
Entries 53
Mean 4.676
Std Dev 30.85

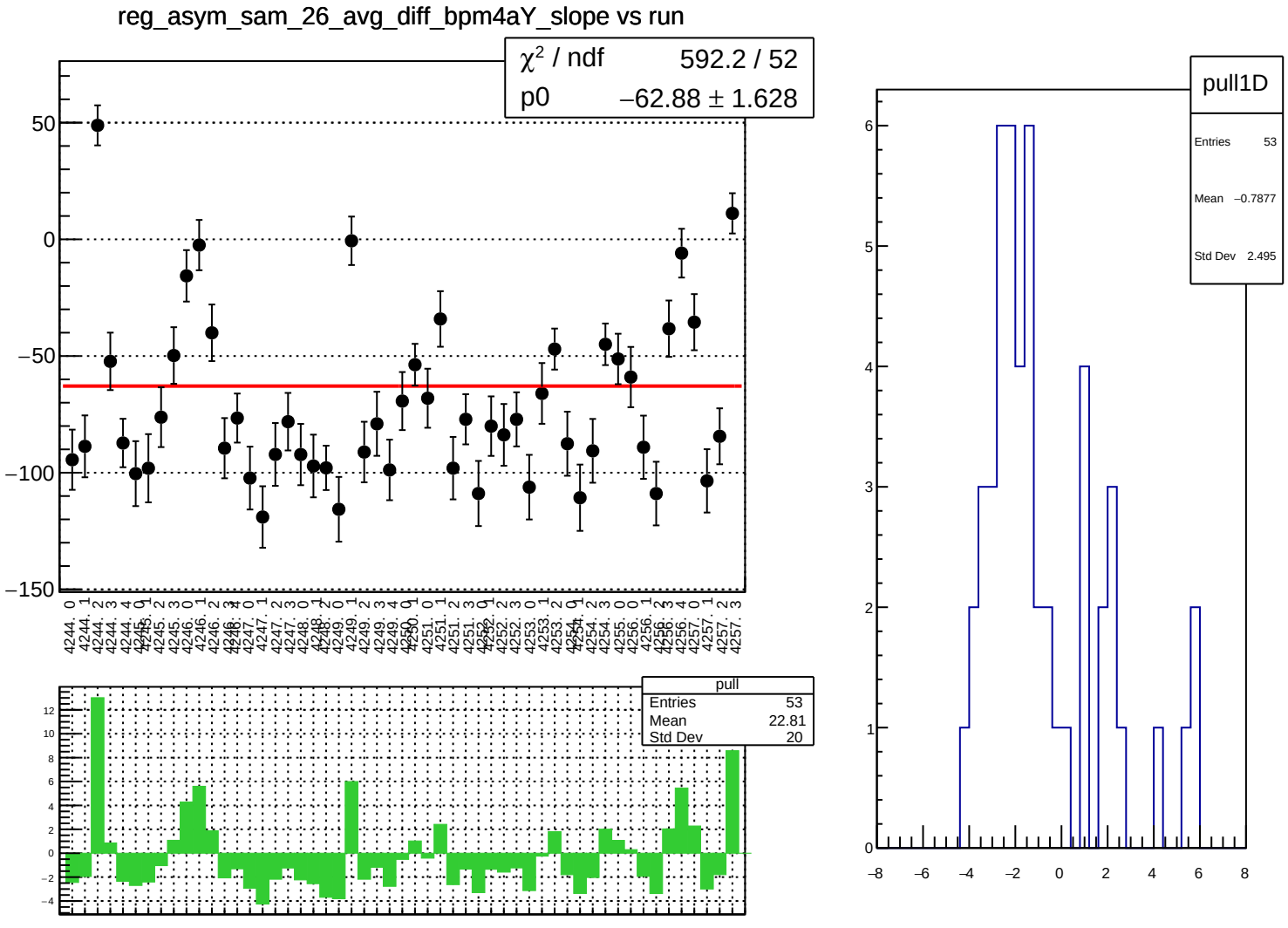

pull1D
Entries 53
Mean 0.8944
Std Dev 2.831

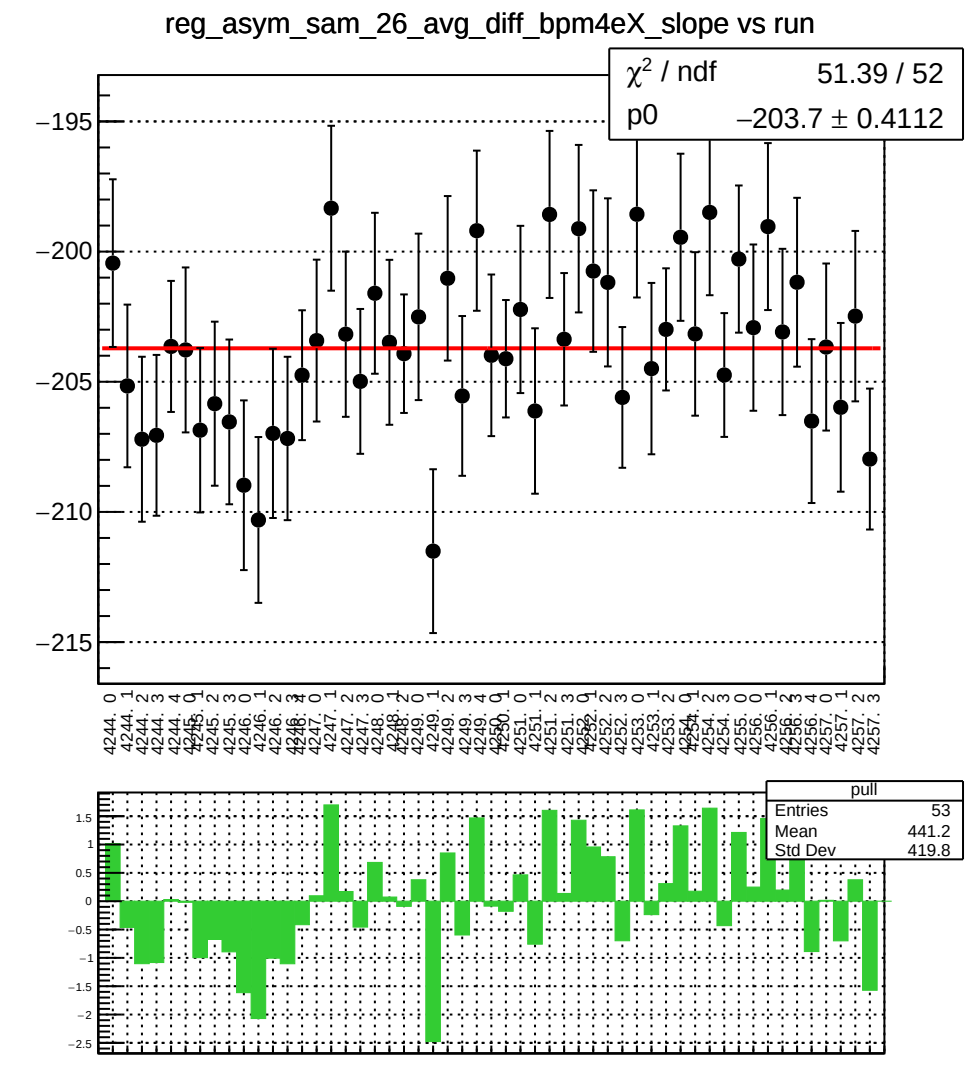

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 6.622 / 52
p0 3.172 ± 1.066
pull
Entries 53
Mean −738.9
Std Dev 771

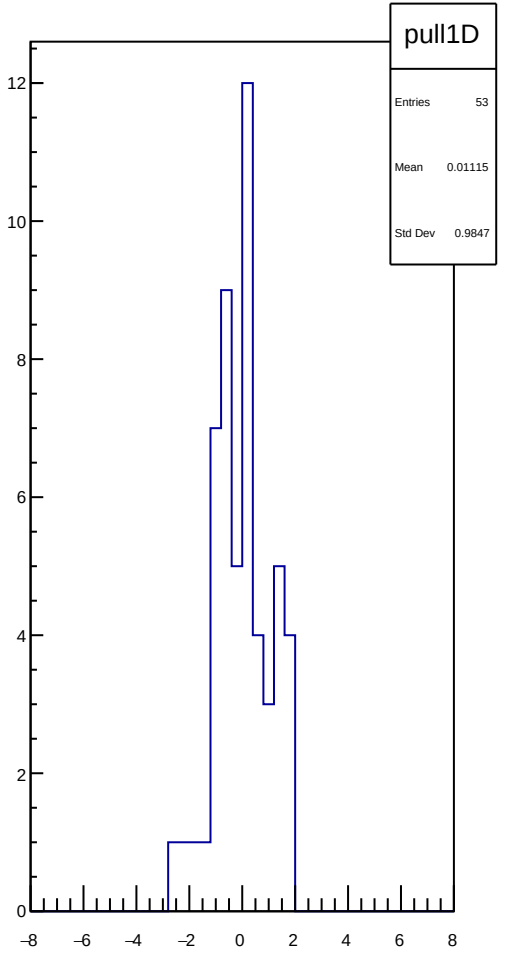

pull1D
Entries 53
Mean 0.00328
Std Dev 0.3535

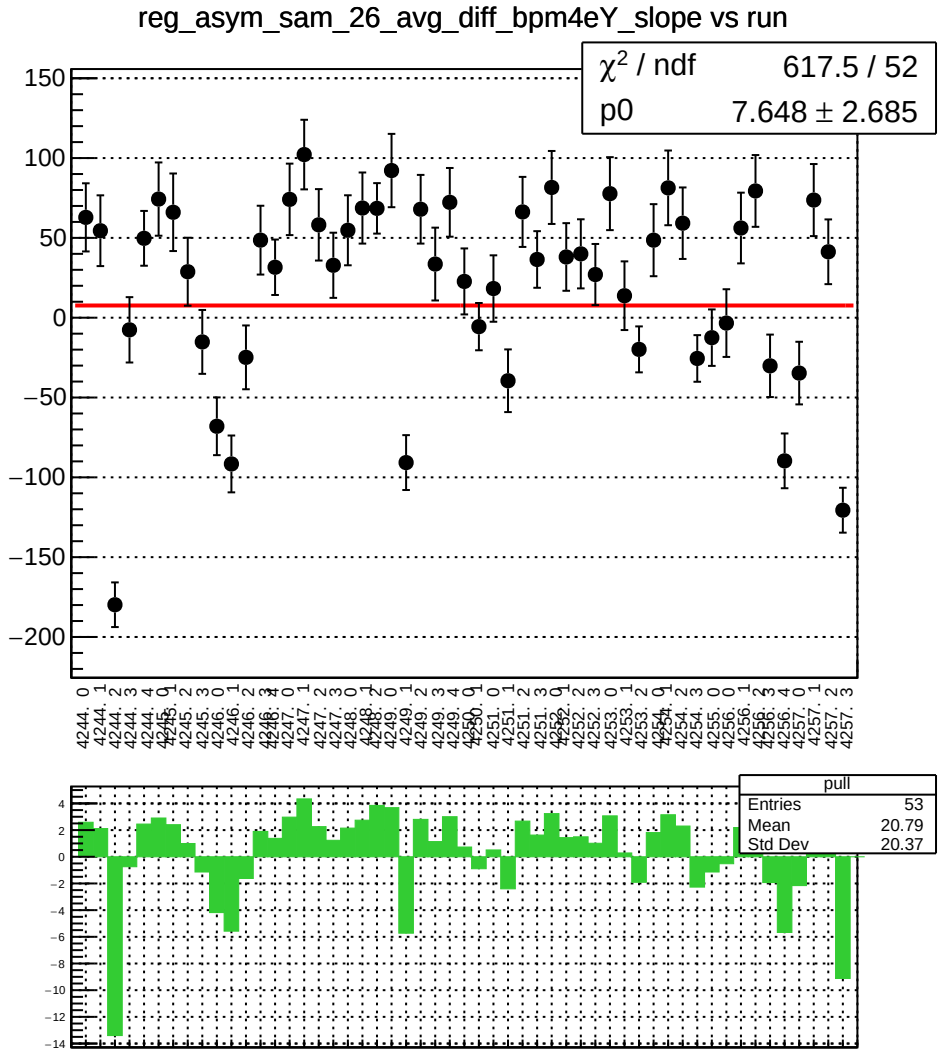

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 24.49 / 52
p0 59.92 ± 2.143
pull
Entries 53
Mean 43.51
Std Dev 39.56

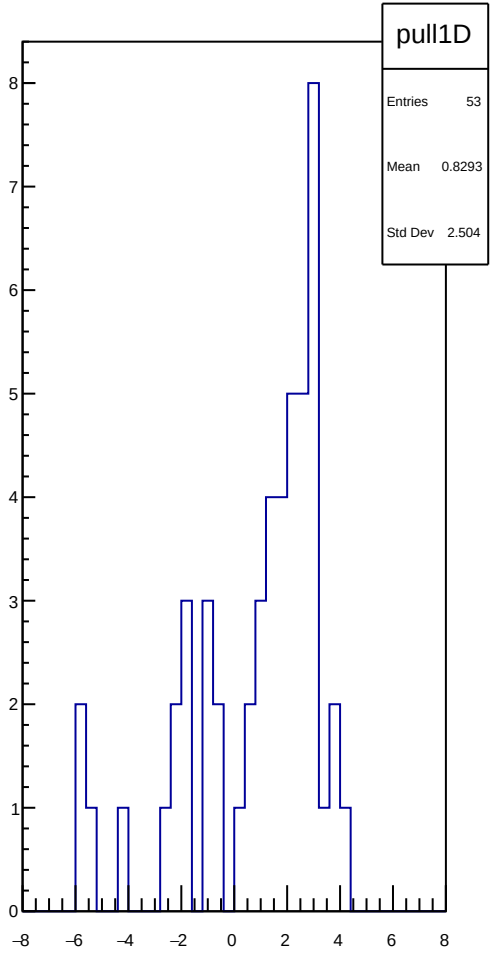

pull1D
Entries 53
Mean 0.007514
Std Dev 0.6797

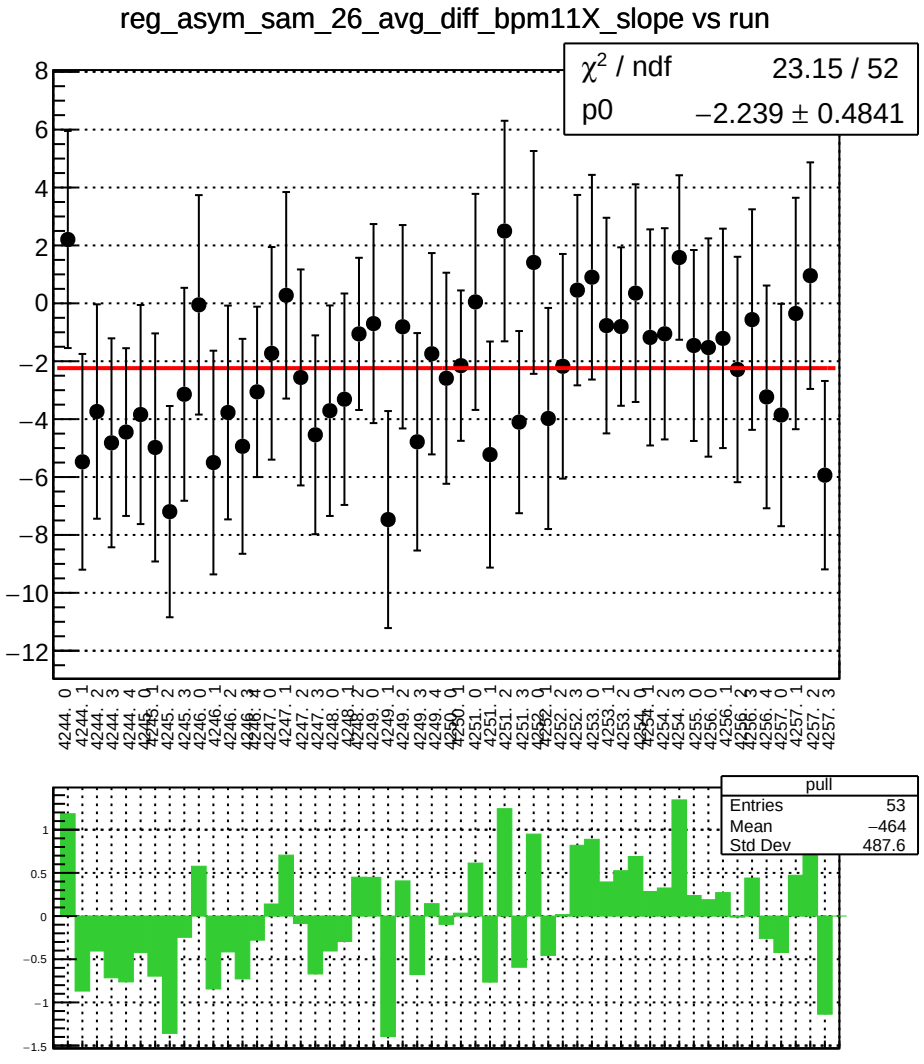

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 592.2 / 52
p0 −62.88 ± 1.628
50
0
−50
−100
−150
pull
Entries 53
Mean 22.81
Std Dev 20
12
10
8
6
4
2
0
−2
−4
pull1D
Entries 53
Mean −0.7877
Std Dev 2.495
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

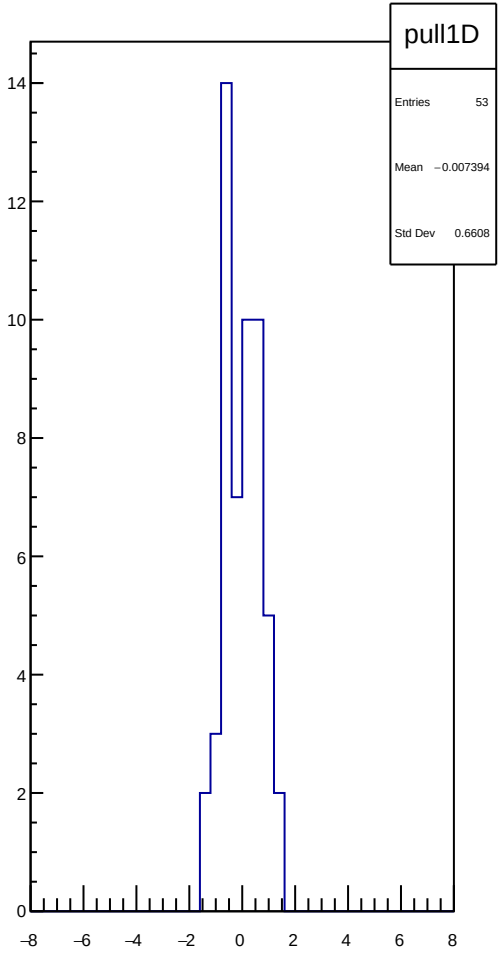

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.39 / 52
p0 −203.7 ± 0.4112
−195
−200
−205
−210
−215
pull
Entries 53
Mean 441.2
Std Dev 419.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

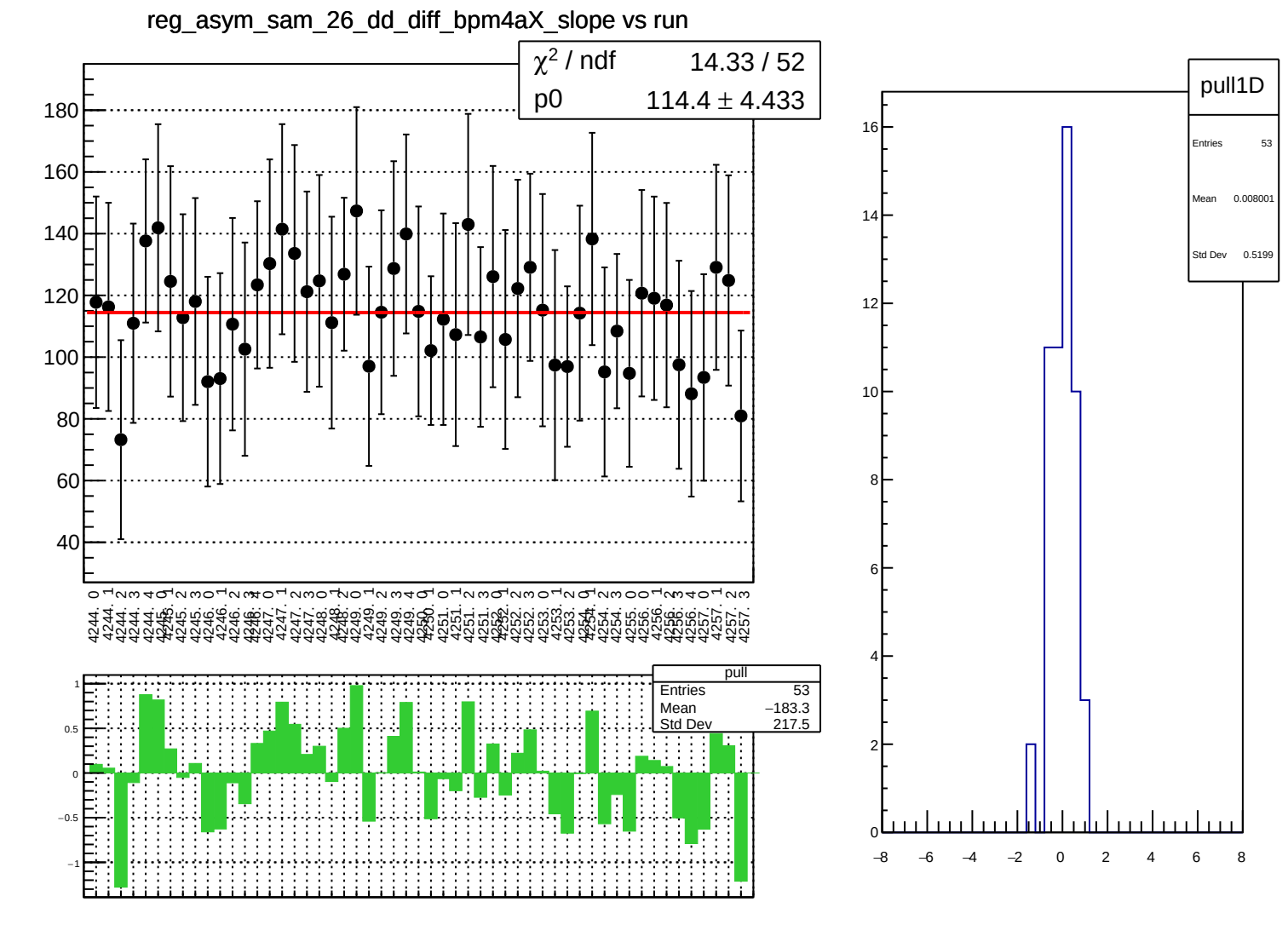

pull1D
Entries 53
Mean 0.01115
Std Dev 0.9847
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

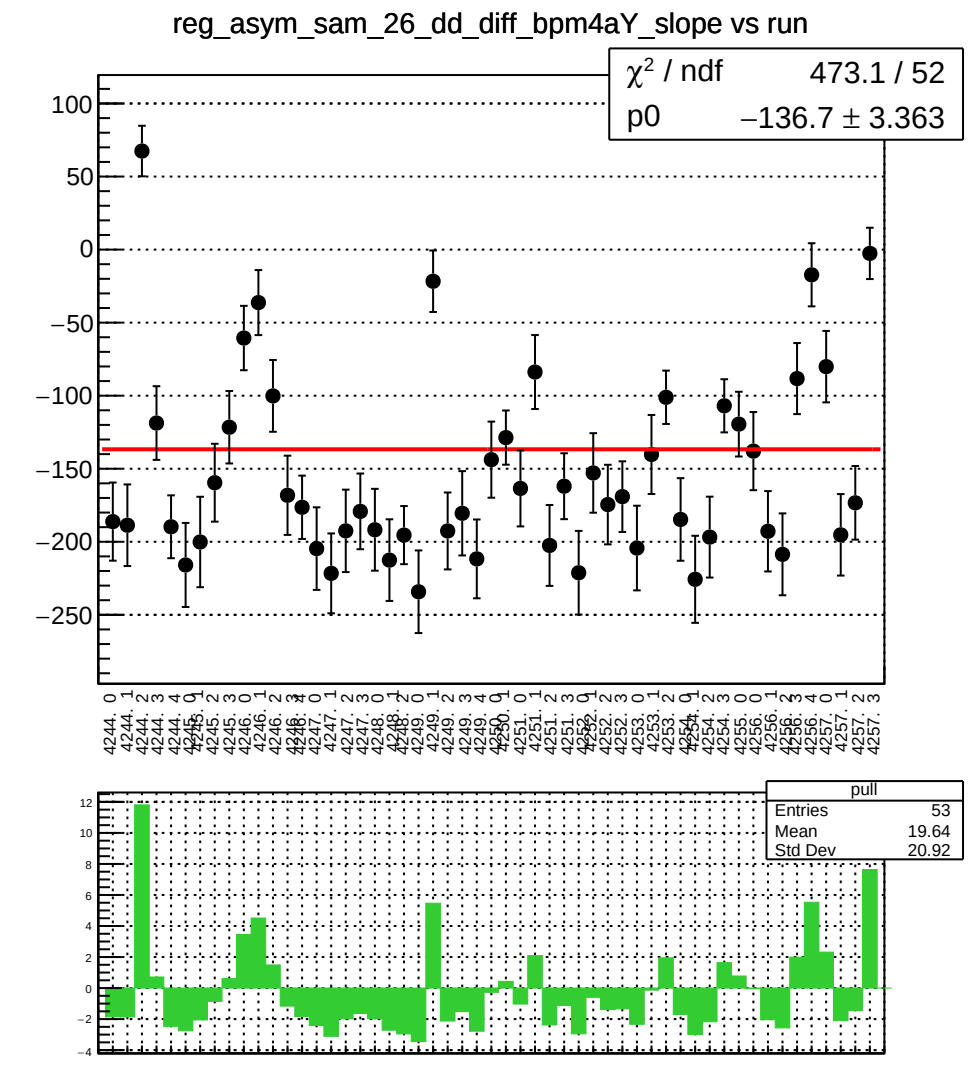

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 617.5 / 52
p0 7.648 ± 2.685
pull
Entries 53
Mean 20.79
Std Dev 20.37

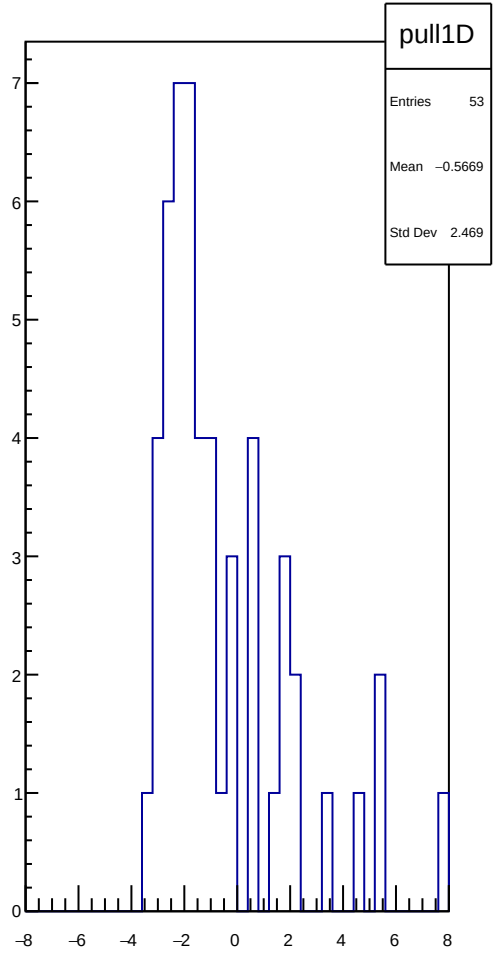

pull1D
Entries 53
Mean 0.8293
Std Dev 2.504

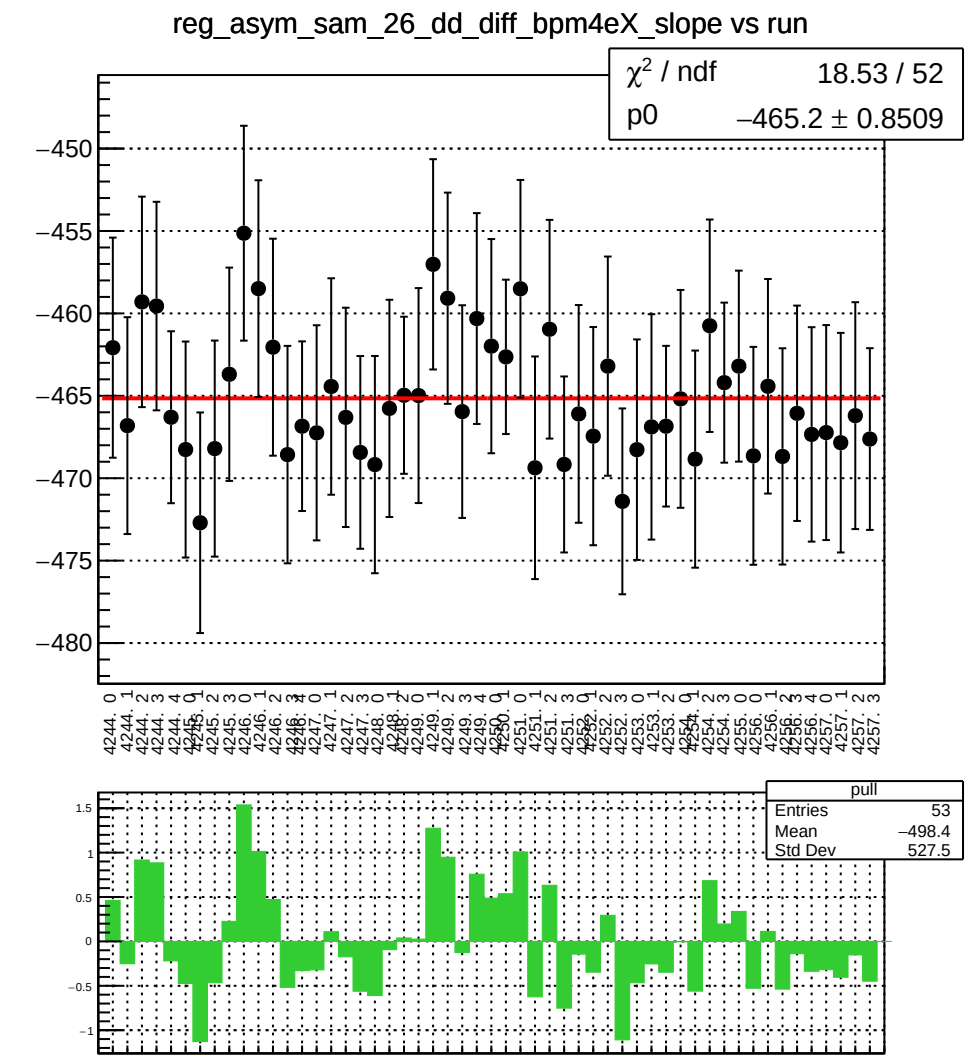

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 23.15 / 52
p0 −2.239 ± 0.4841
pull
Entries 53
Mean −464
Std Dev 487.6

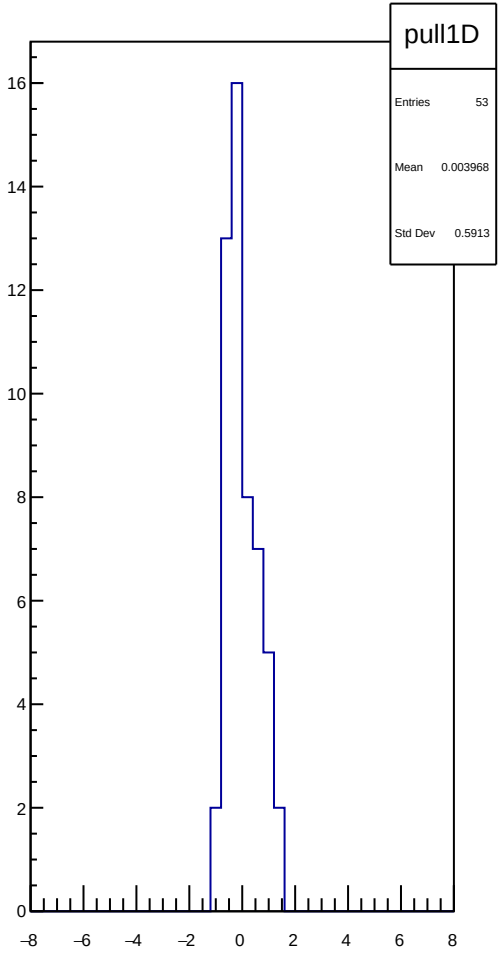

pull1D
Entries 53
Mean −0.007394
Std Dev 0.6608

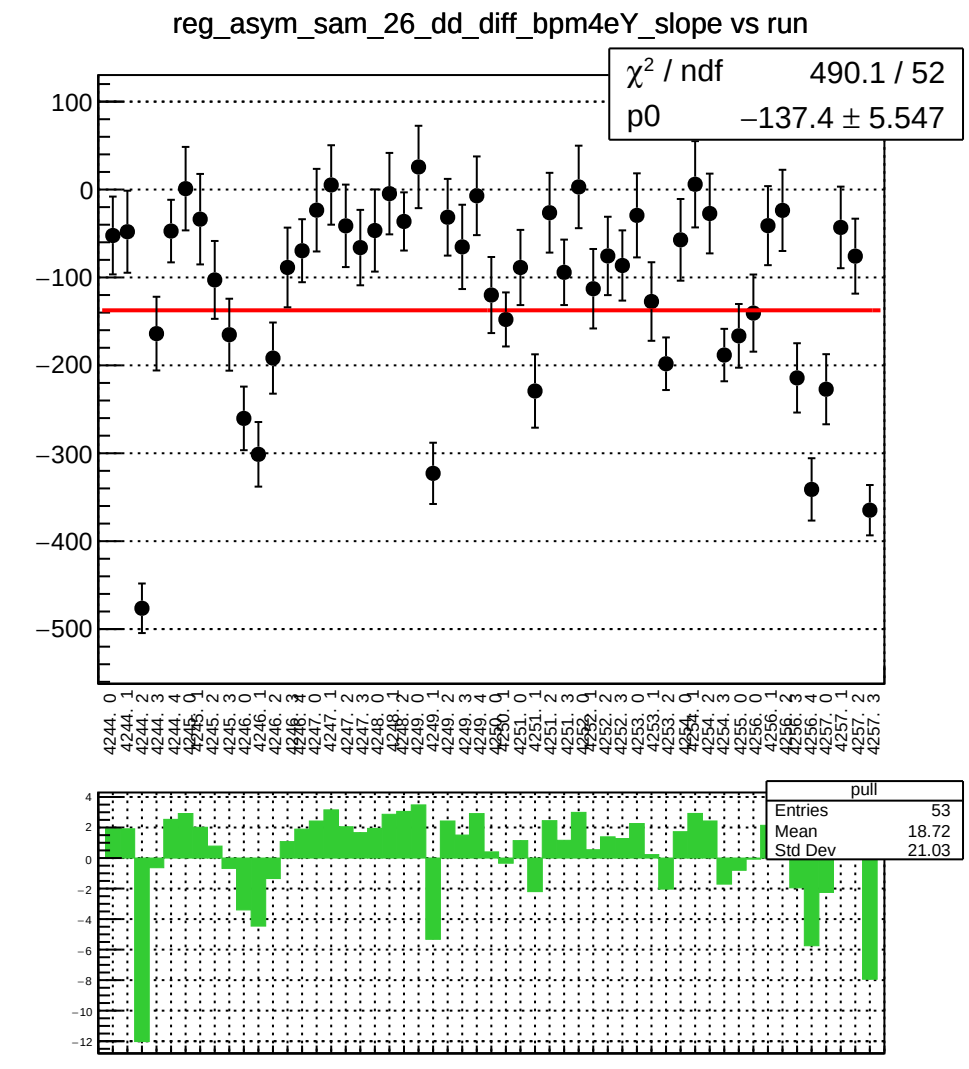

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 14.33 / 52
p0 114.4 ± 4.433
pull
Entries 53
Mean −183.3
Std Dev 217.5
pull1D
Entries 53
Mean 0.008001
Std Dev 0.5199

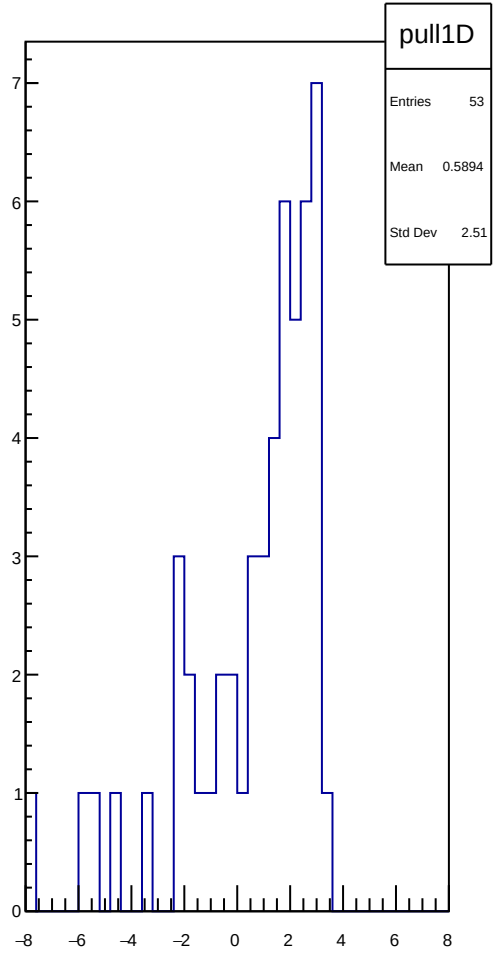

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 473.1 / 52
p0 −136.7 ± 3.363
pull
Entries 53
Mean 19.64
Std Dev 20.92

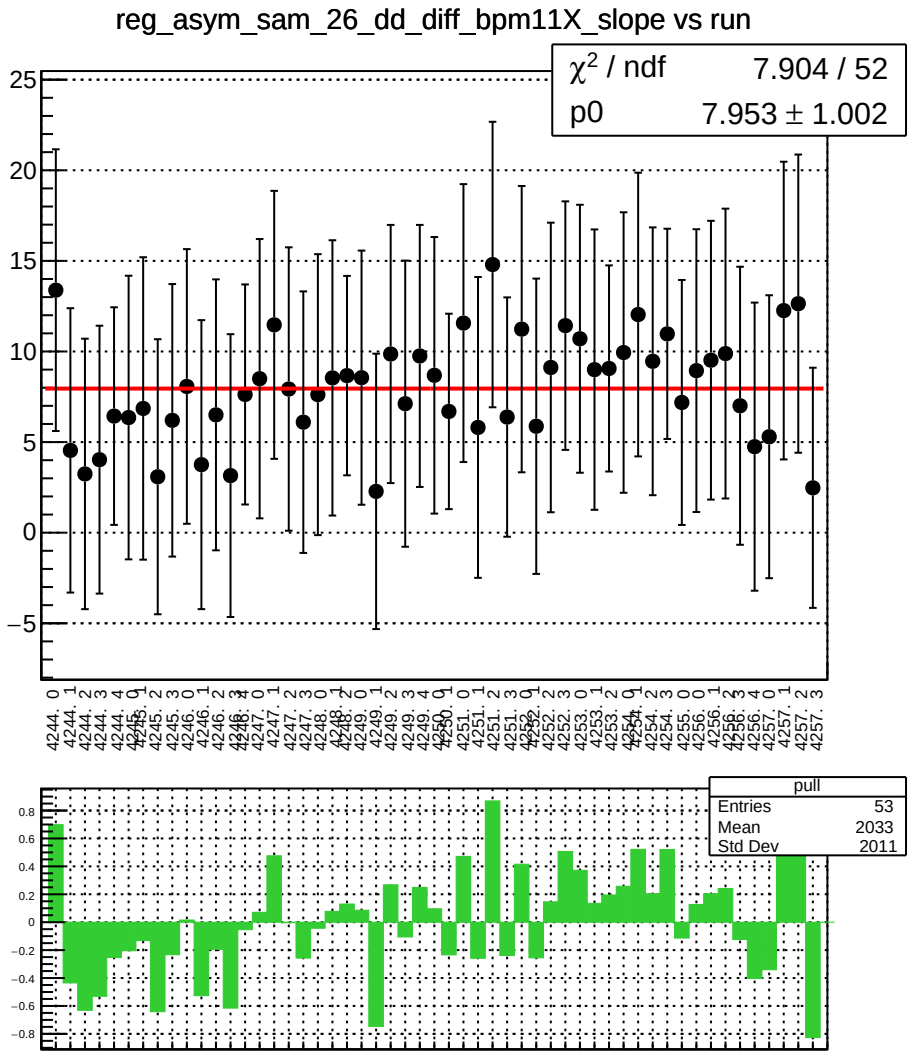

pull1D
Entries 53
Mean −0.5669
Std Dev 2.469

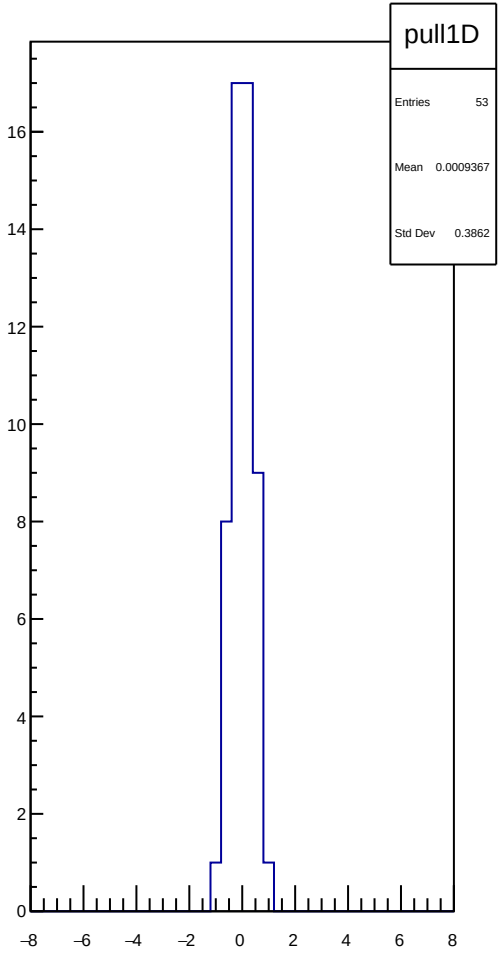

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.53 / 52
p0 −465.2 ± 0.8509
pull
Entries 53
Mean −498.4
Std Dev 527.5

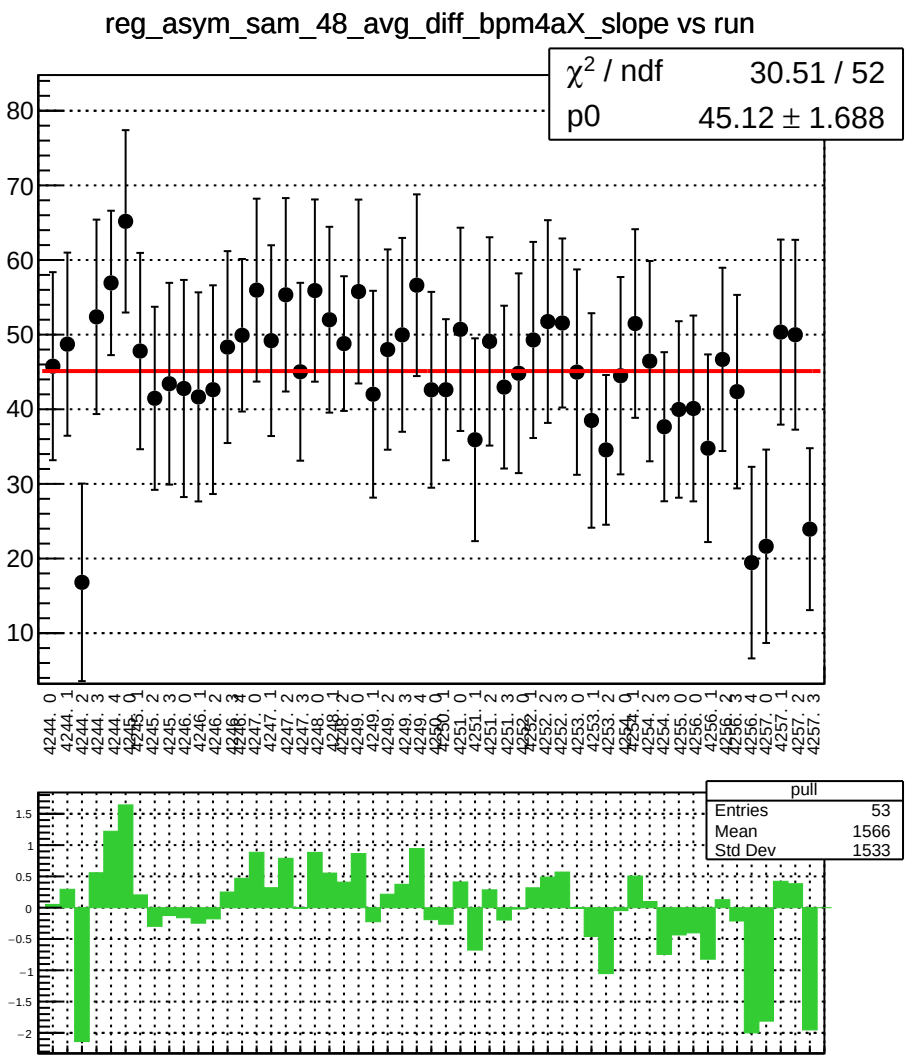

pull1D
Entries 53
Mean 0.003968
Std Dev 0.5913

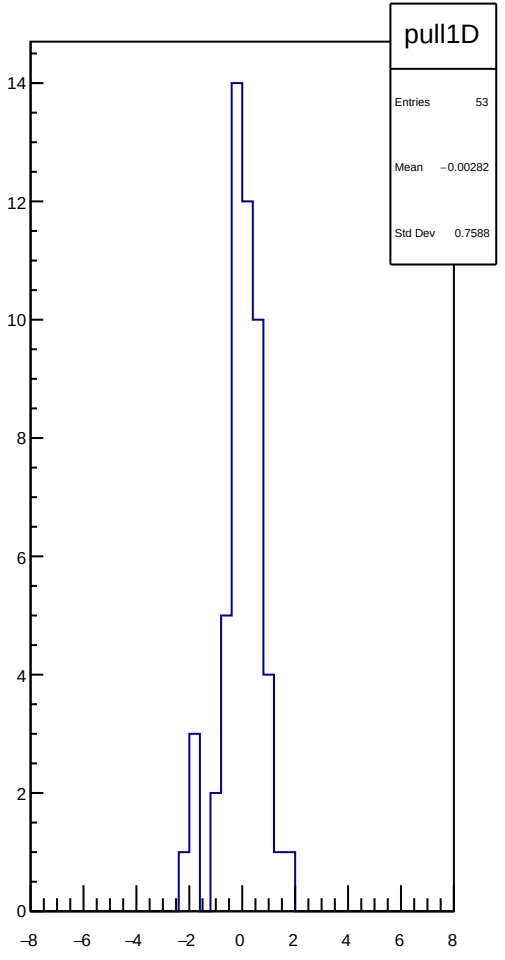

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 490.1 / 52
p0 −137.4 ± 5.547
pull
Entries 53
Mean 18.72
Std Dev 21.03

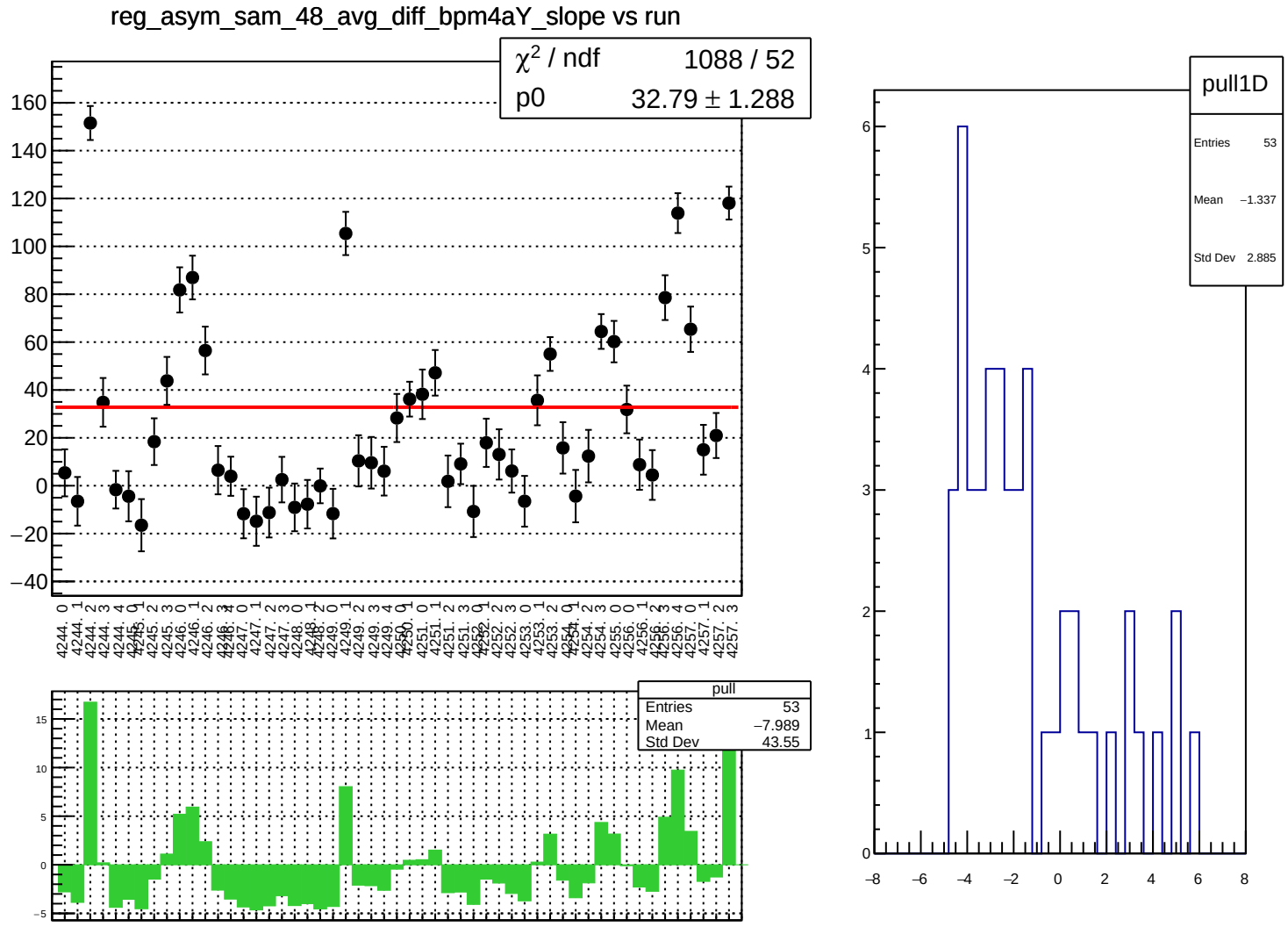

pull1D
Entries 53
Mean 0.5894
Std Dev 2.51

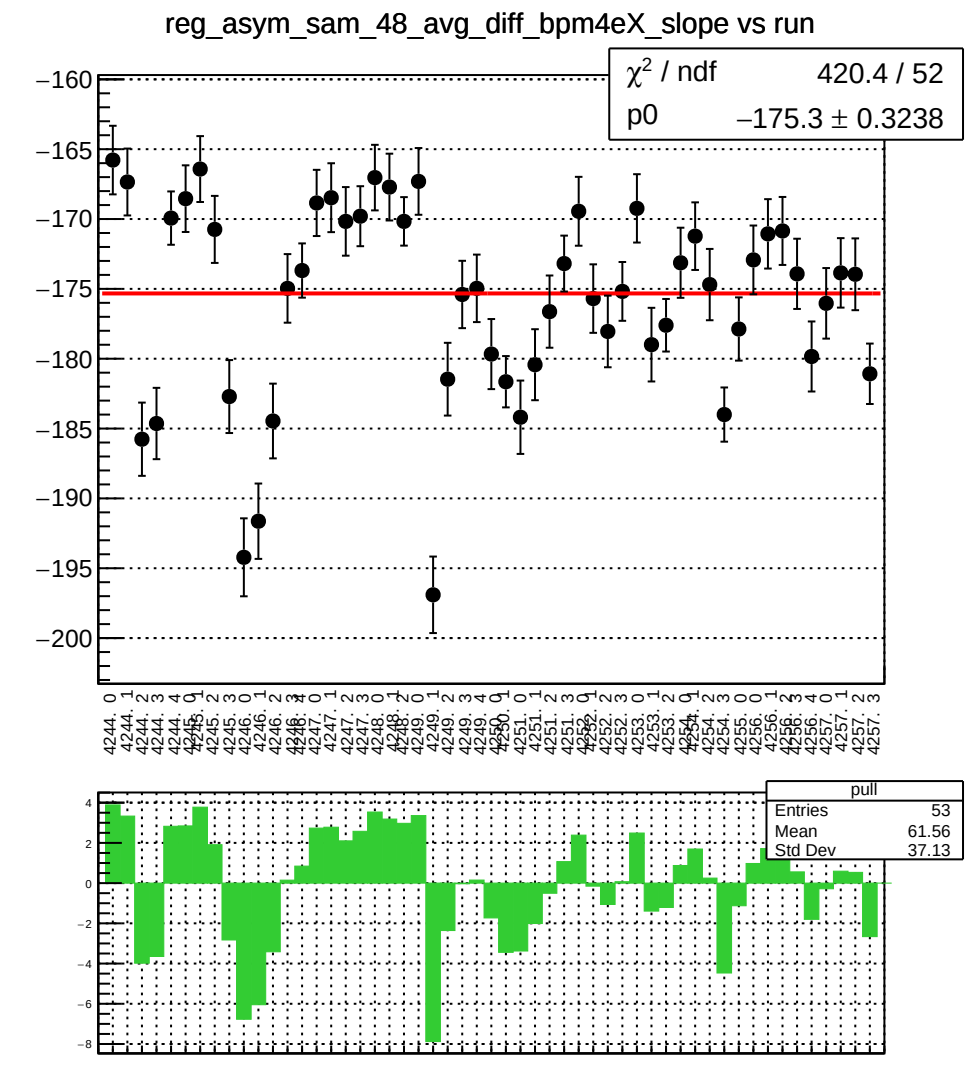

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 7.904 / 52
p0 7.953 ± 1.002
pull
Entries 53
Mean 2033
Std Dev 2011

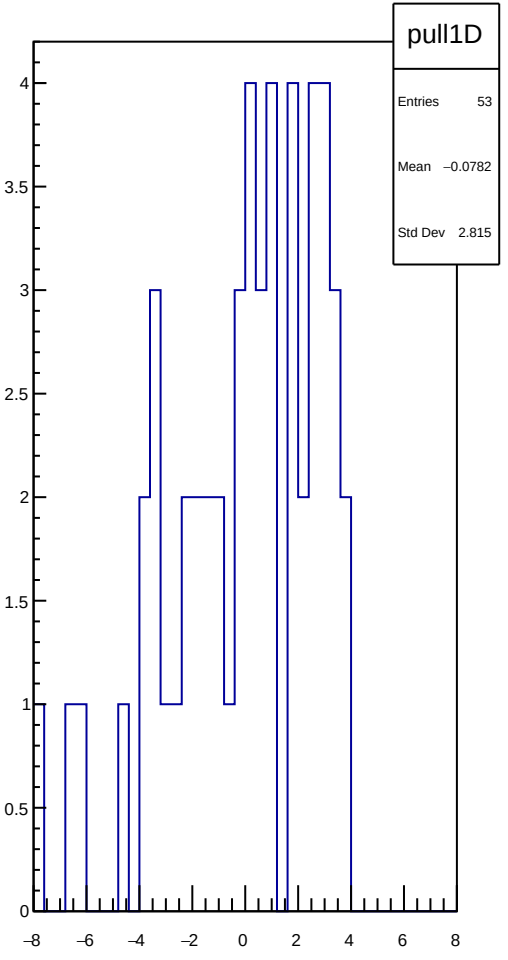

pull1D
Entries 53
Mean 0.0009367
Std Dev 0.3862

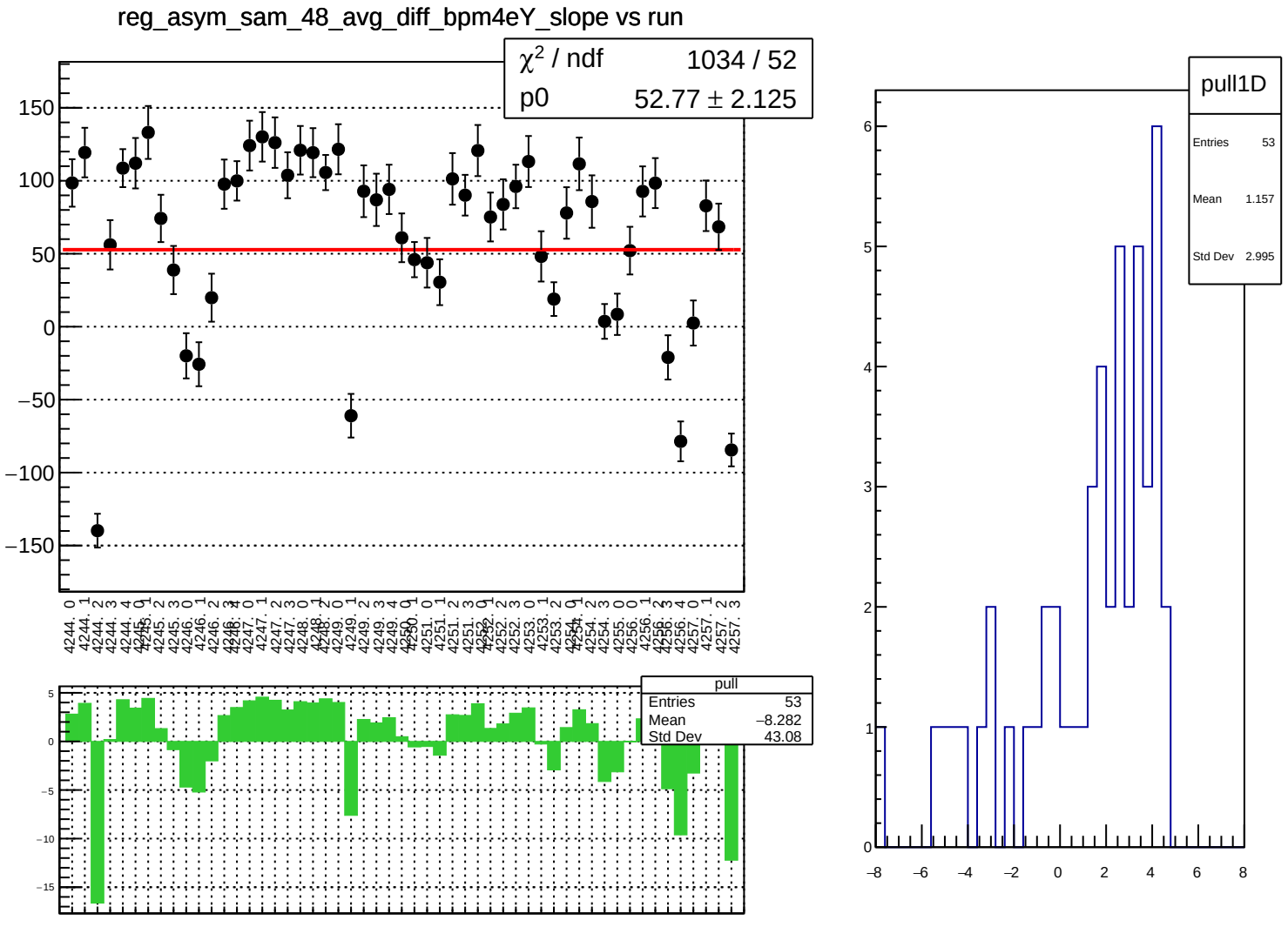

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 30.51 / 52
p0 45.12 ± 1.688
pull
Entries 53
Mean 1566
Std Dev 1533

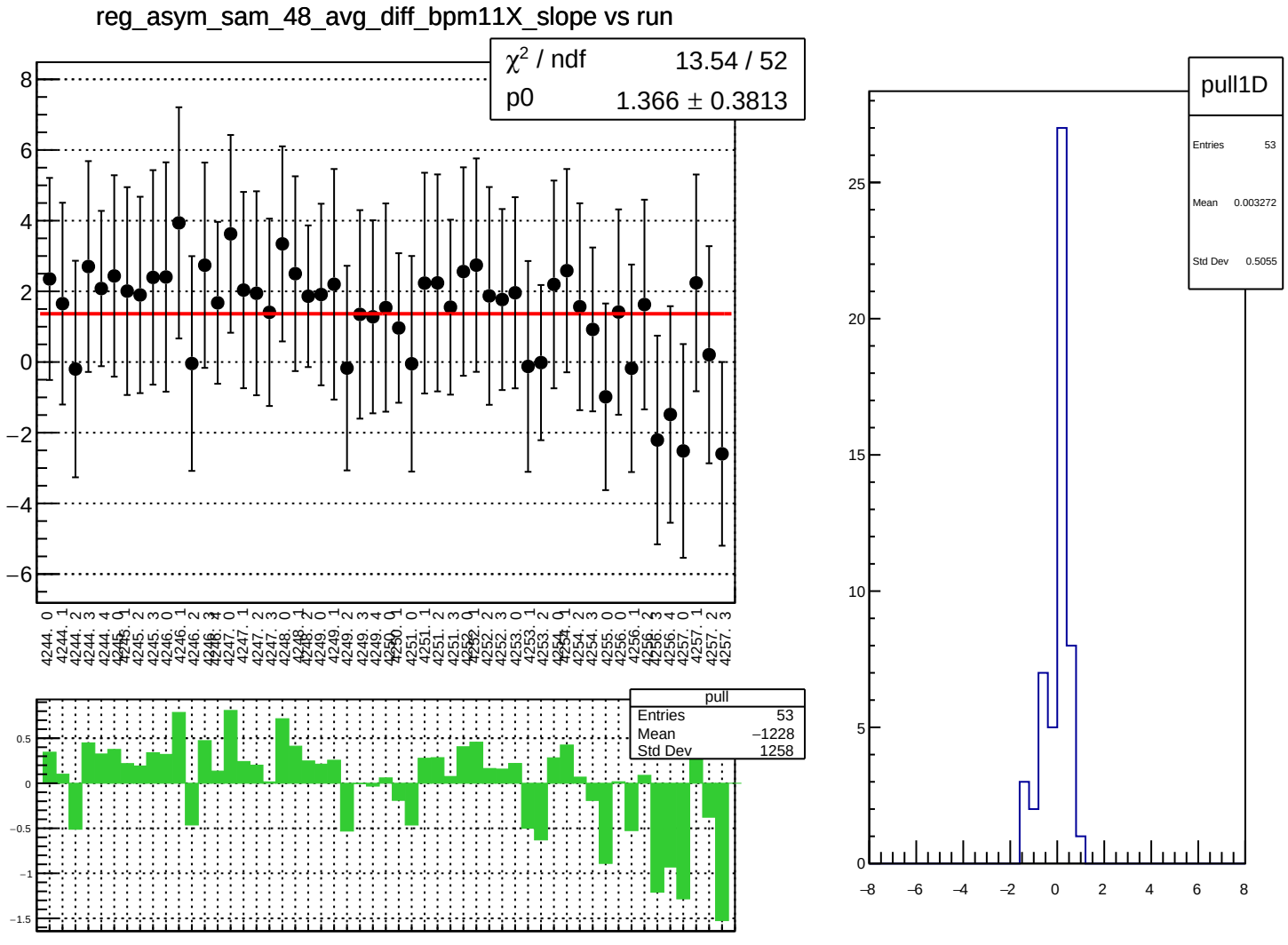

pull1D
Entries 53
Mean −0.00282
Std Dev 0.7588

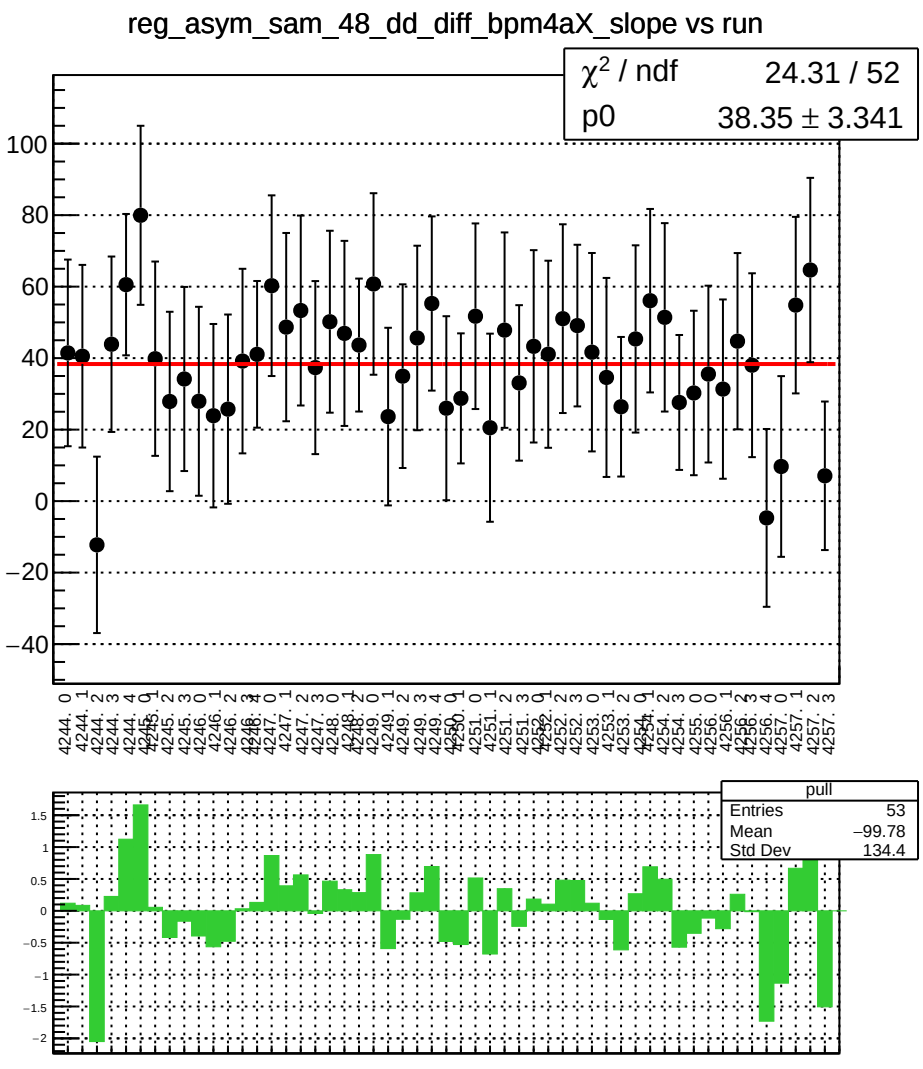

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1088 / 52
p0 32.79 ± 1.288
pull
Entries 53
Mean −7.989
Std Dev 43.55
pull1D
Entries 53
Mean −1.337
Std Dev 2.885

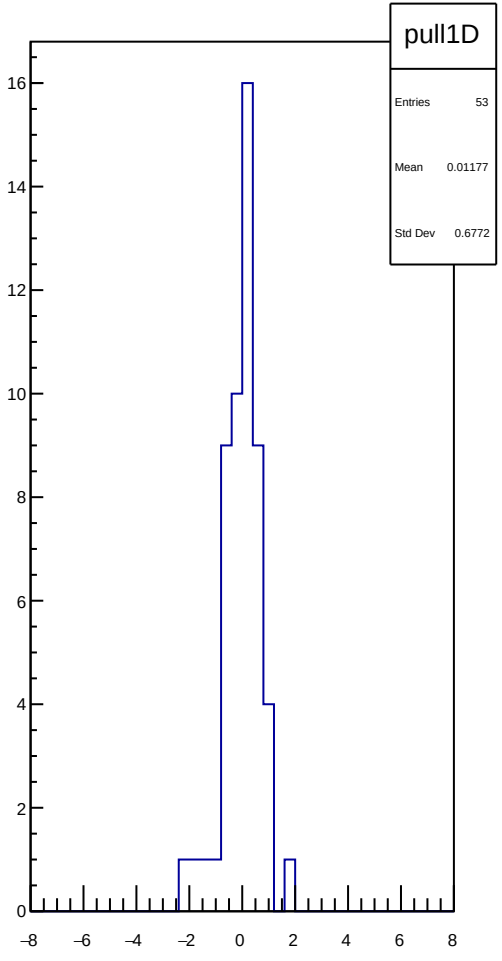

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 420.4 / 52
p0 −175.3 ± 0.3238
pull
Entries 53
Mean 61.56
Std Dev 37.13

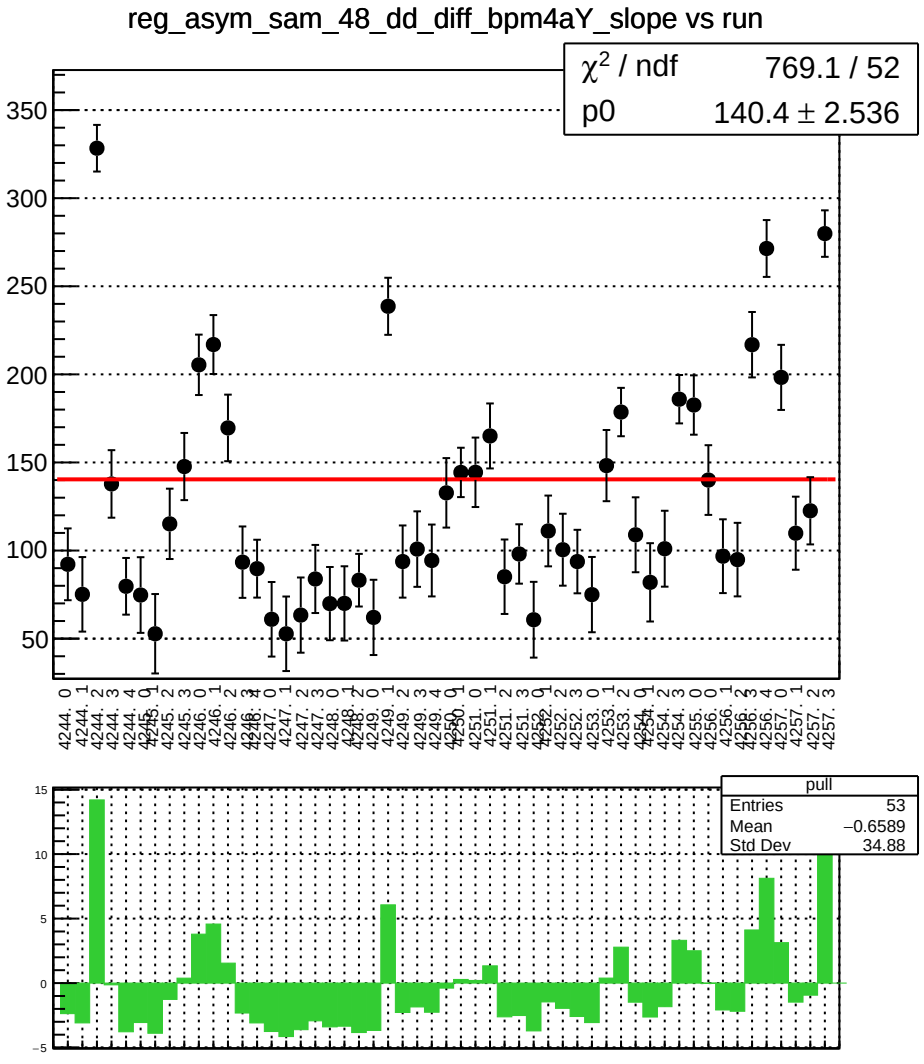

pull1D
Entries 53
Mean −0.0782
Std Dev 2.815

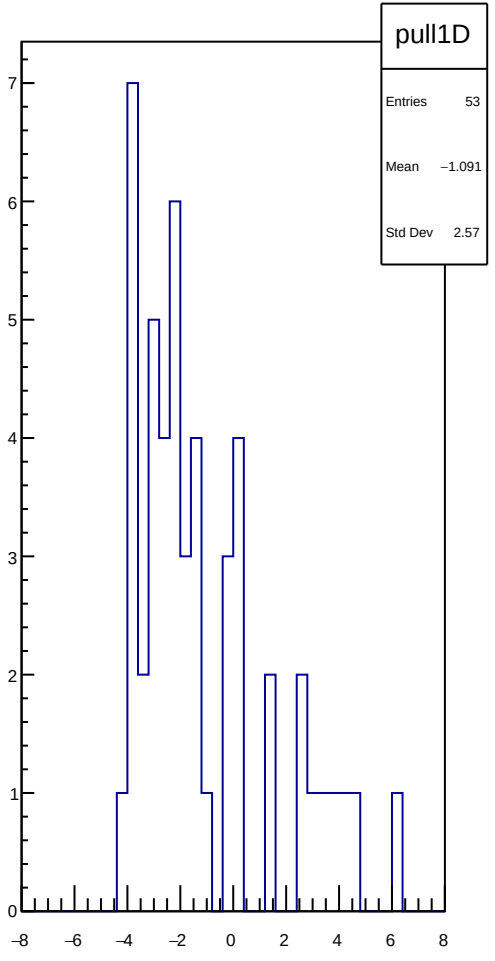

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 1034 / 52
p0 52.77 ± 2.125
150
100
50
0
−50
−100
−150
pull
Entries 53
Mean −8.282
Std Dev 43.08
5
0
−5
−10
−15
pull1D
Entries 53
Mean 1.157
Std Dev 2.995
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

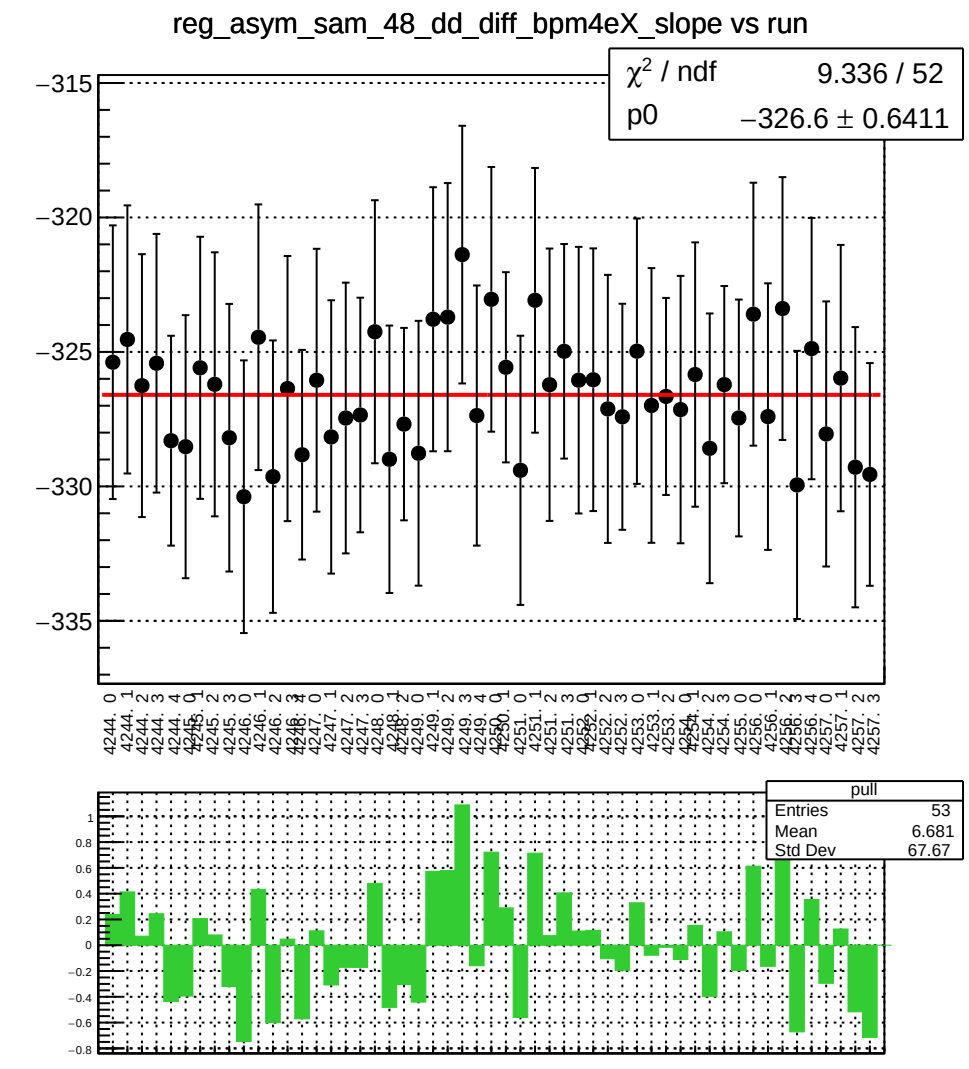

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 13.54 / 52
p0 1.366 ± 0.3813
pull
Entries 53
Mean −1228
Std Dev 1258
pull1D
Entries 53
Mean 0.003272
Std Dev 0.5055

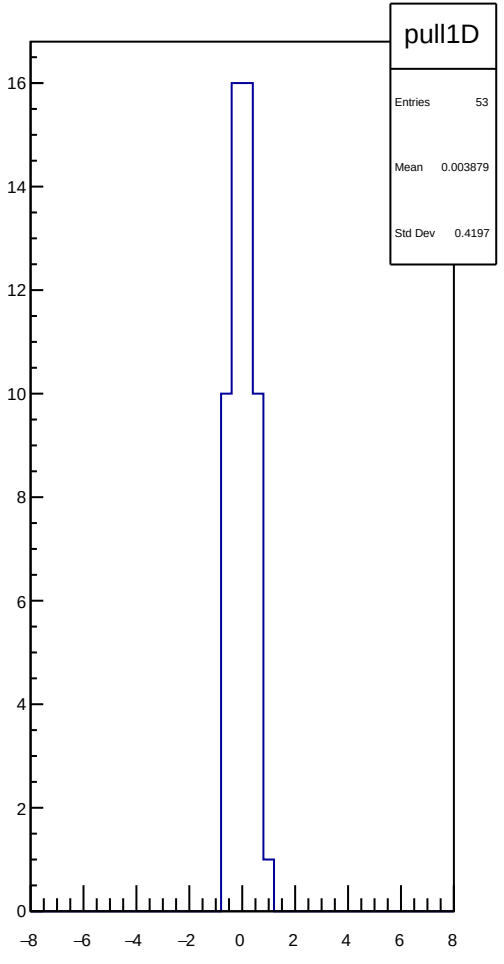

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.31 / 52
p0 38.35 ± 3.341
pull
Entries 53
Mean −99.78
Std Dev 134.4

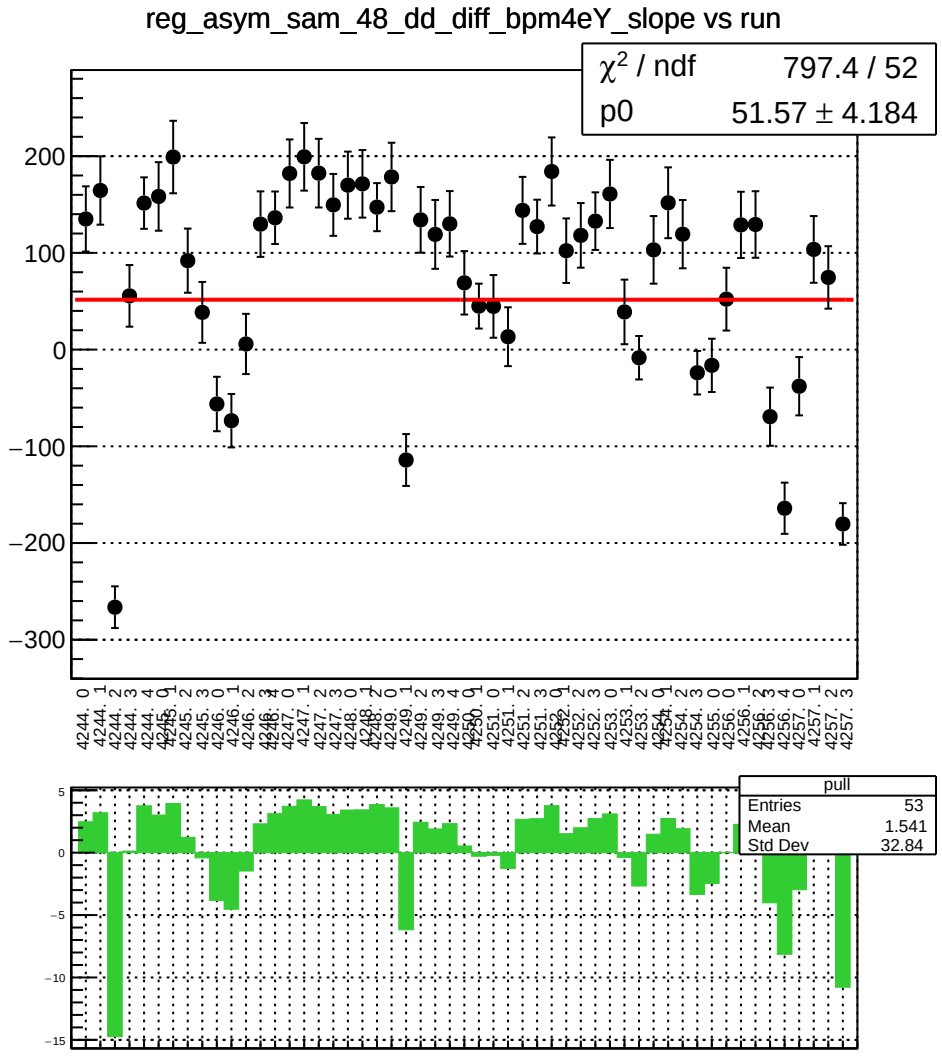

pull1D
Entries 53
Mean 0.01177
Std Dev 0.6772

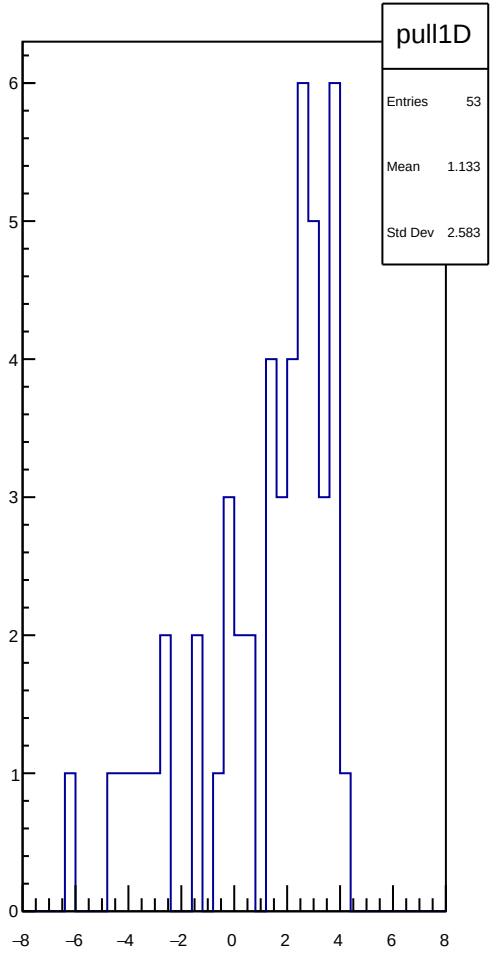

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 769.1 / 52
p0 140.4 ± 2.536
pull
Entries 53
Mean −0.6589
Std Dev 34.88

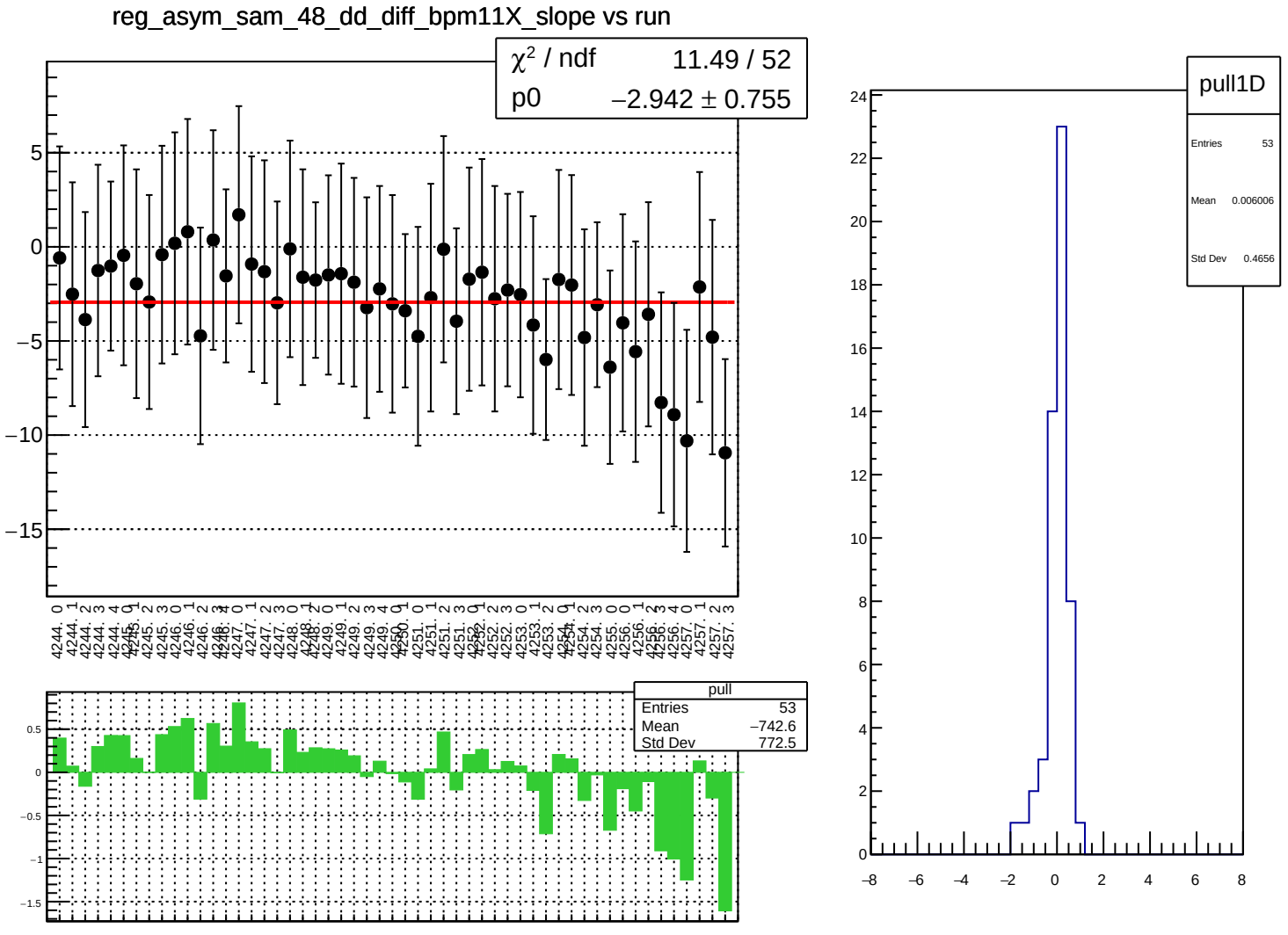

pull1D
Entries 53
Mean −1.091
Std Dev 2.57

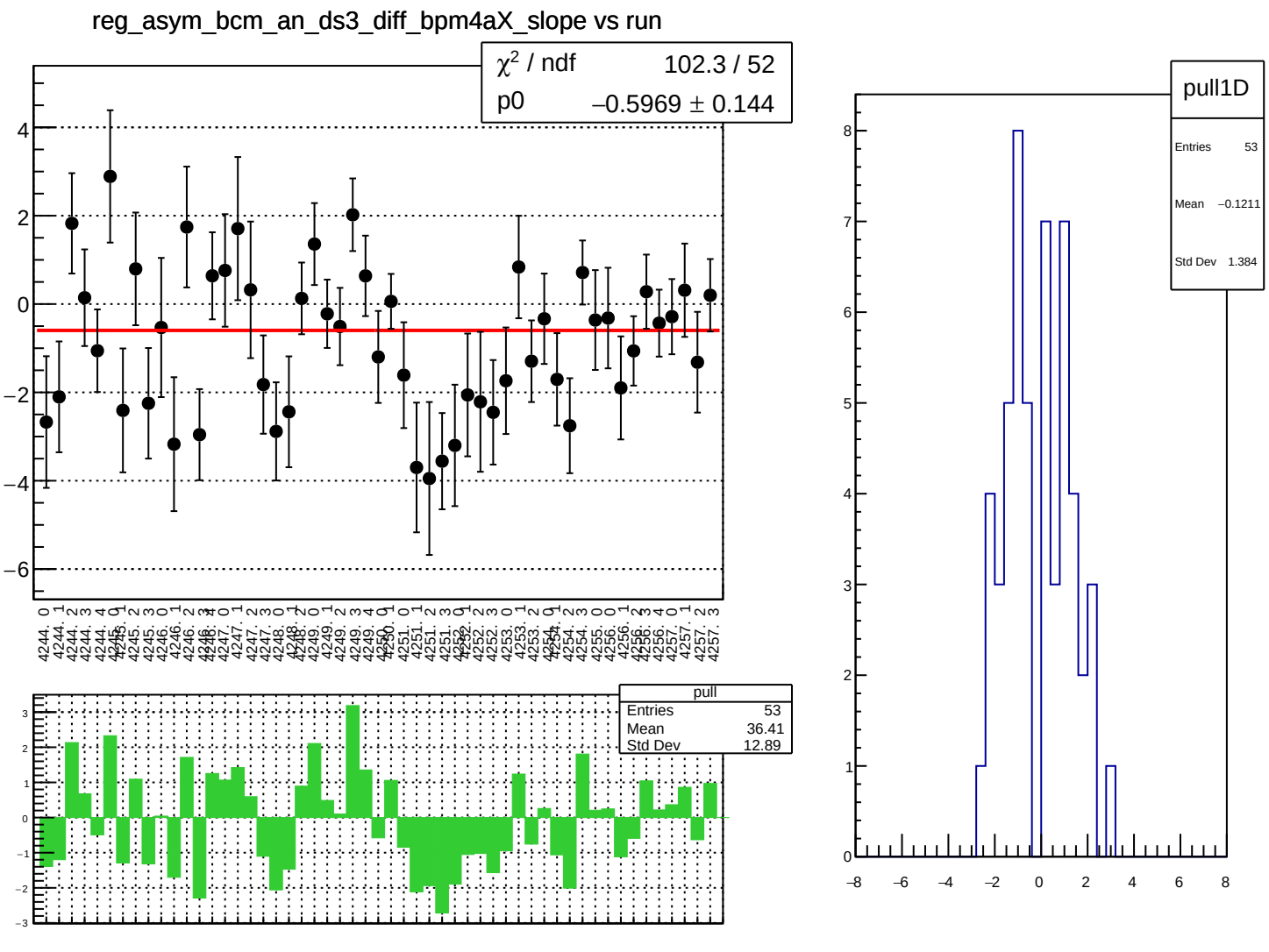

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.336 / 52
p0 −326.6 ± 0.6411
−315
−320
−325
−330
−335
pull
Entries 53
Mean 6.681
Std Dev 67.67
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

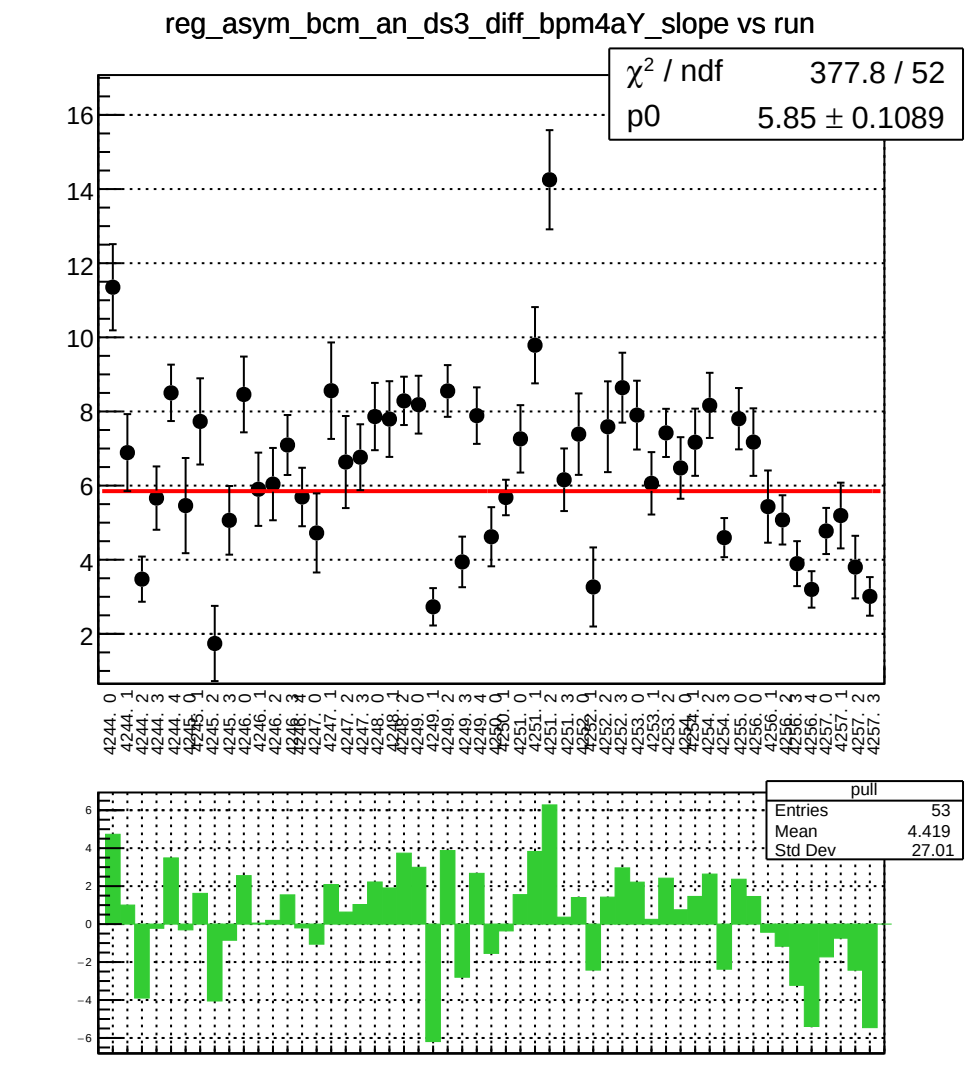

pull1D
Entries 53
Mean 0.003879
Std Dev 0.4197
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

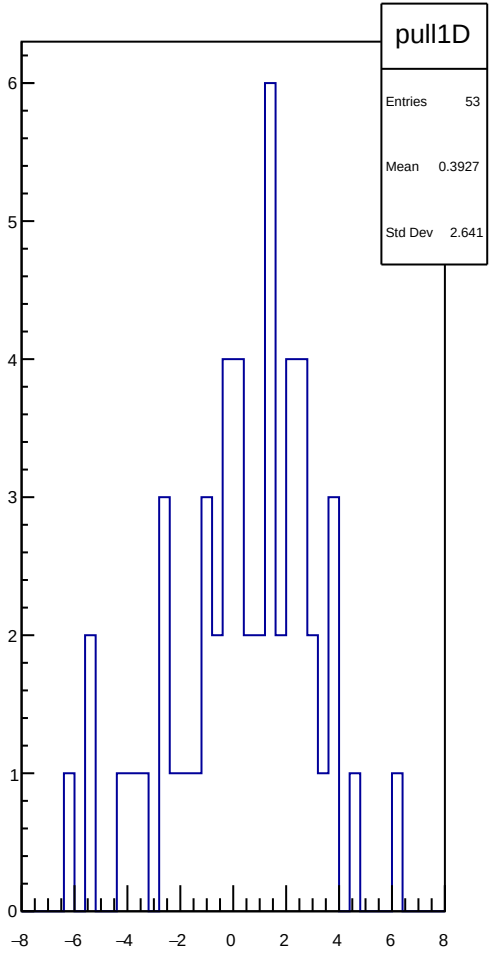

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 797.4 / 52
p0 51.57 ± 4.184
pull
Entries 53
Mean 1.541
Std Dev 32.84

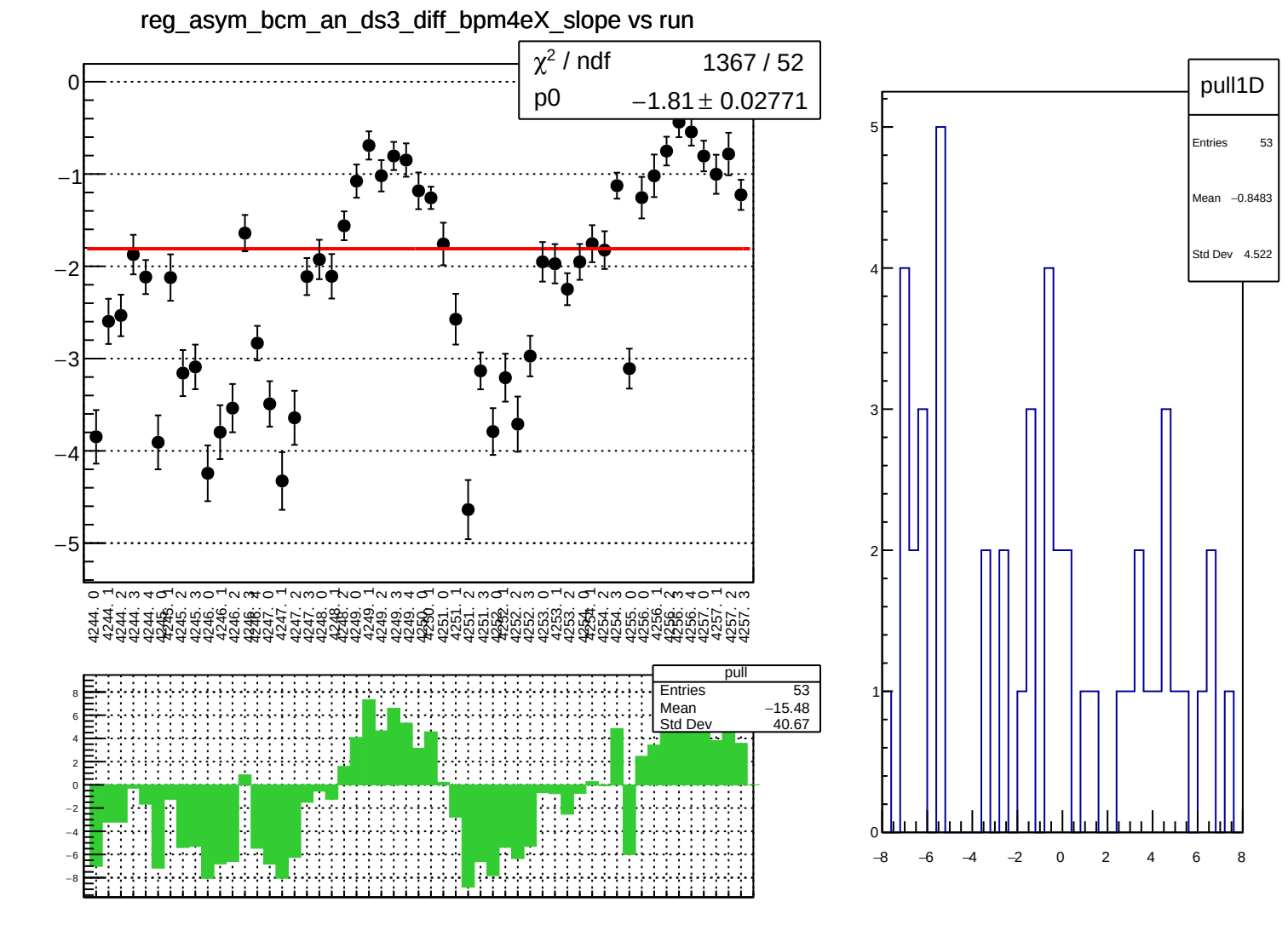

pull1D
Entries 53
Mean 1.133
Std Dev 2.583

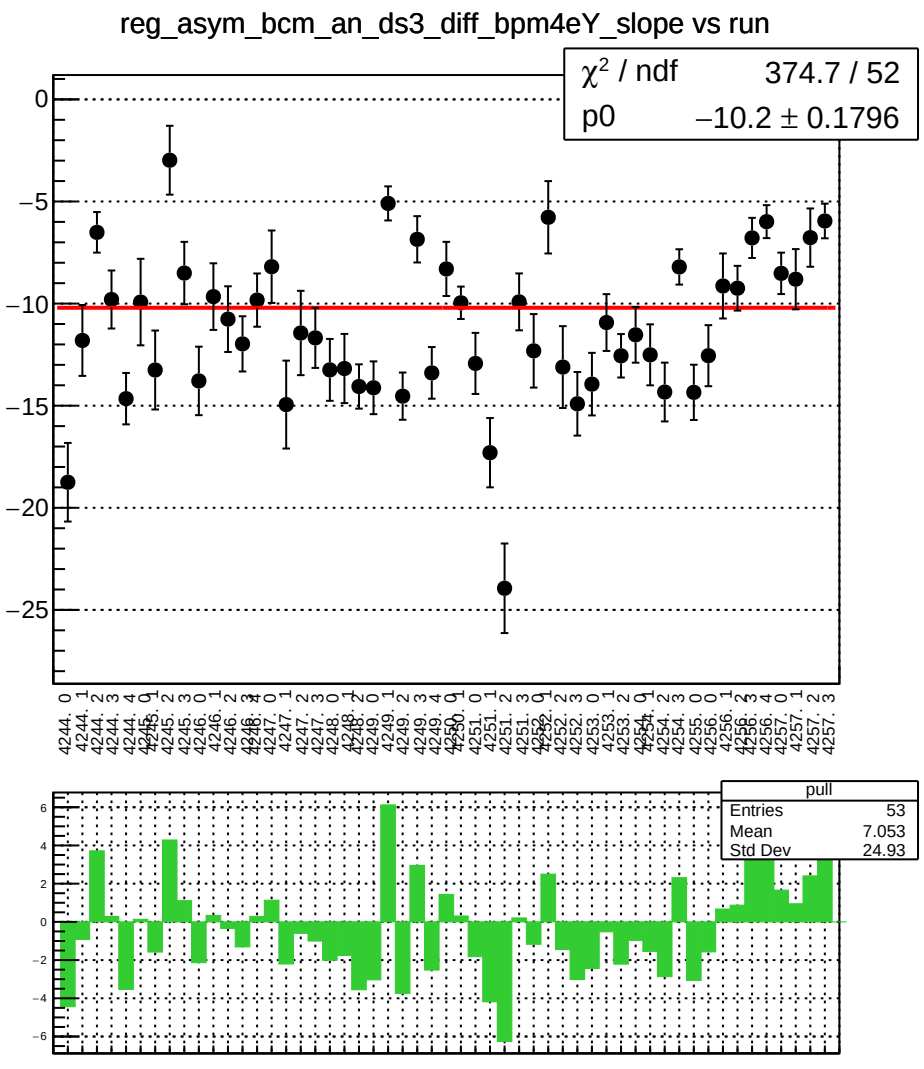

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 11.49 / 52
p0 −2.942 ± 0.755
pull
Entries 53
Mean −742.6
Std Dev 772.5
pull1D
Entries 53
Mean 0.006006
Std Dev 0.4656

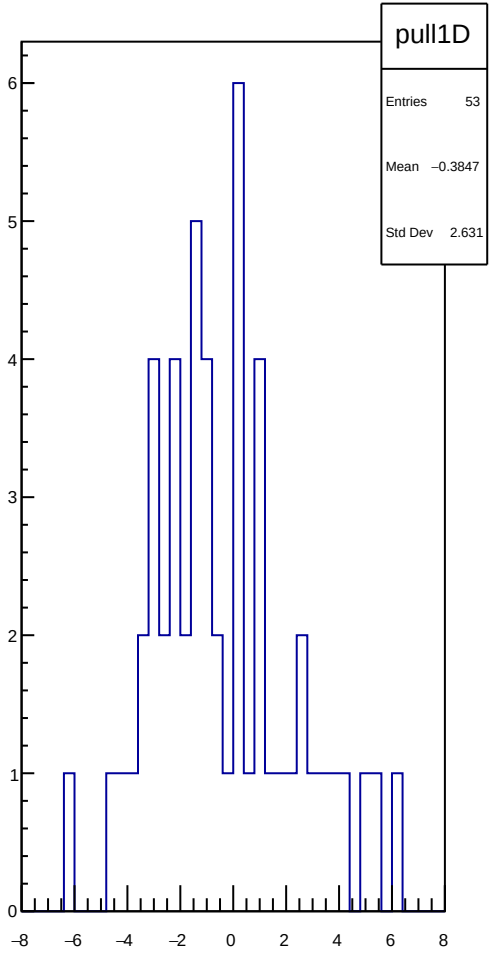

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 102.3 / 52
p0 −0.5969 ± 0.144
pull
Entries 53
Mean 36.41
Std Dev 12.89
pull1D
Entries 53
Mean −0.1211
Std Dev 1.384

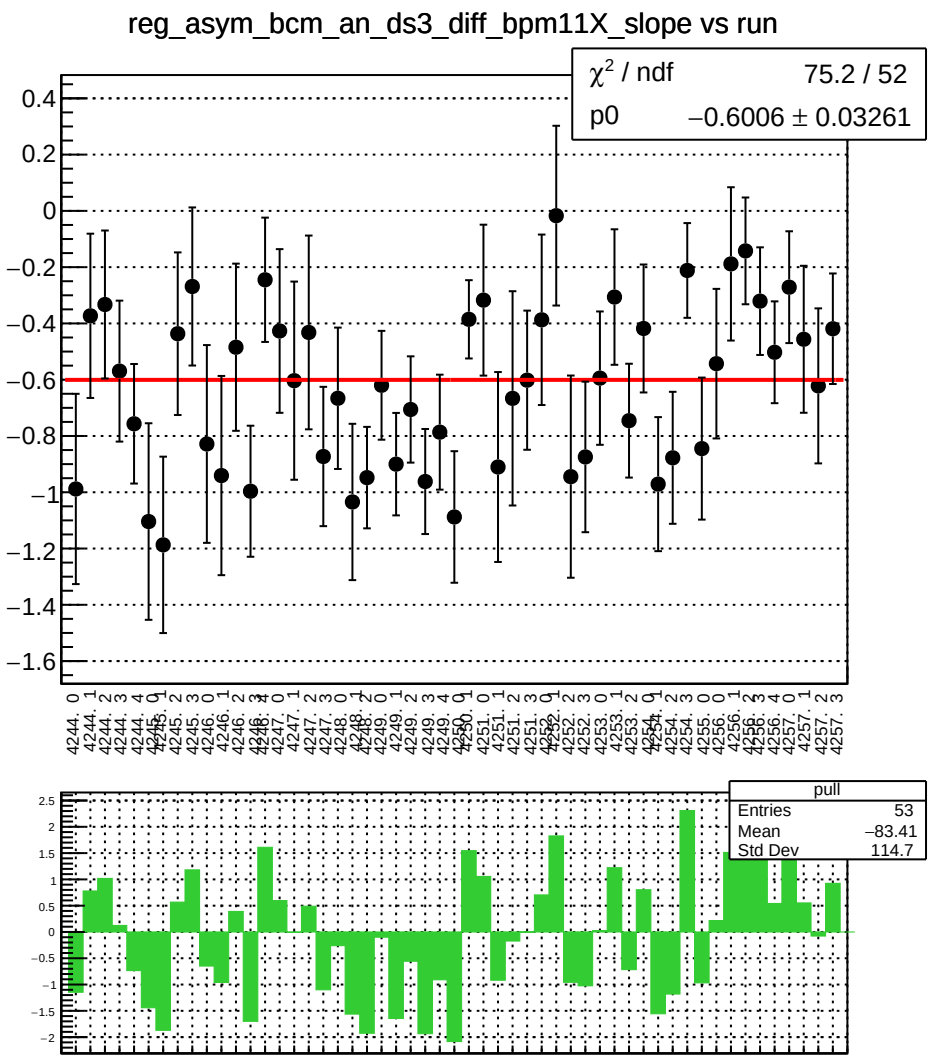

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 377.8 / 52
p0 5.85 ± 0.1089
pull
Entries 53
Mean 4.419
Std Dev 27.01

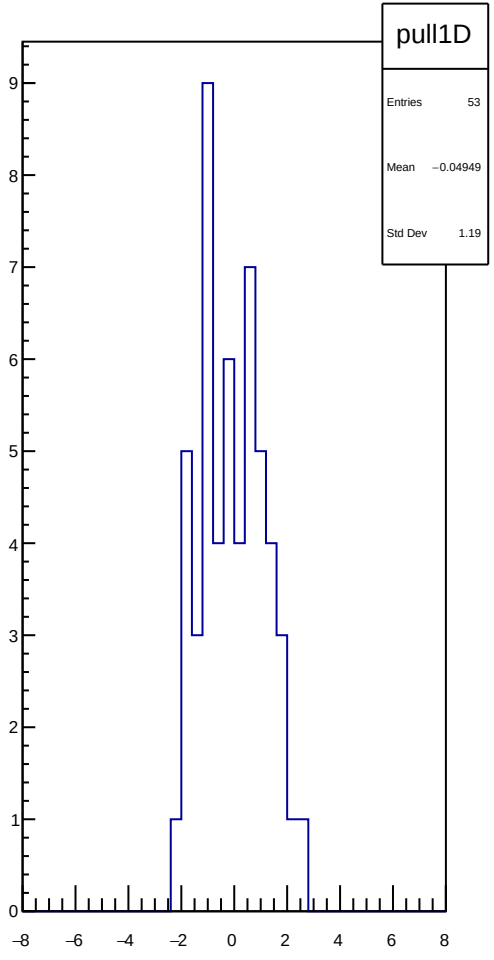

pull1D
Entries 53
Mean 0.3927
Std Dev 2.641

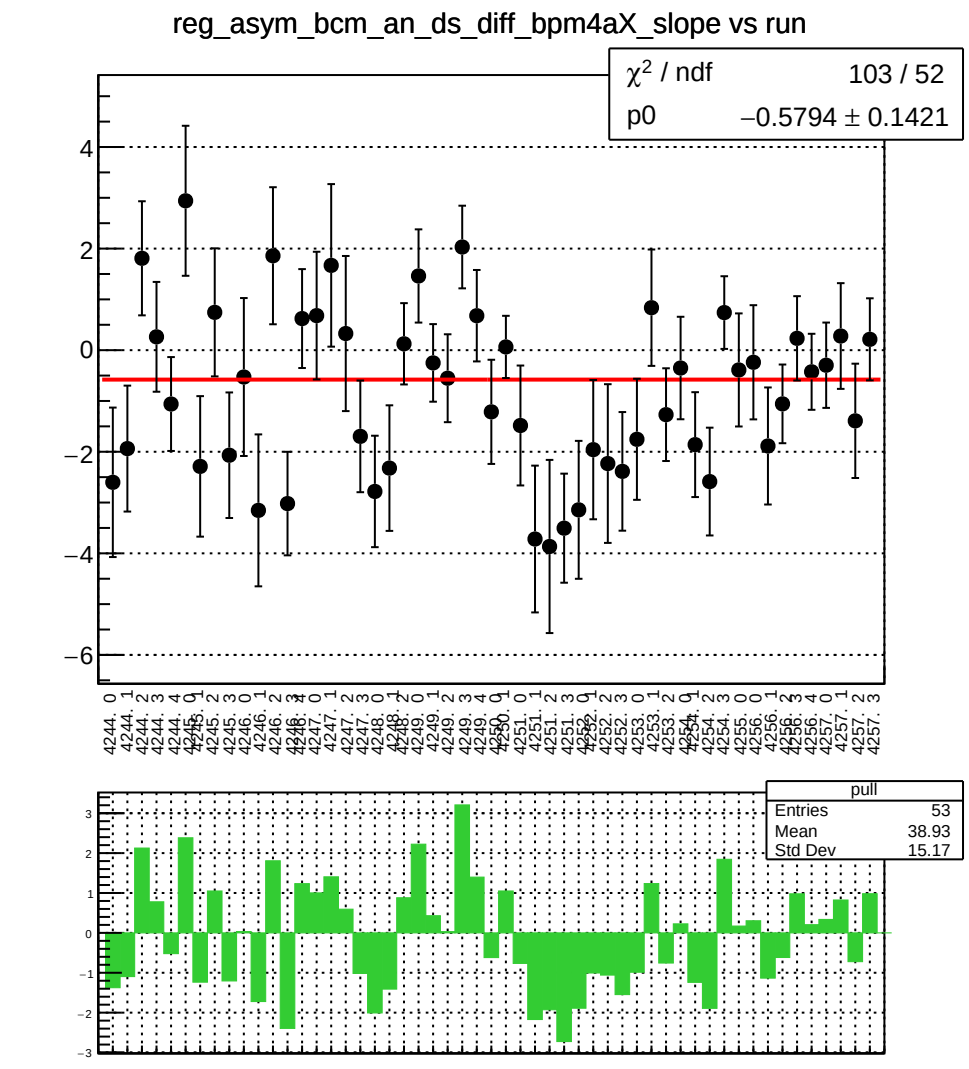

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1367 / 52
p0 −1.81 ± 0.02771
pull
Entries 53
Mean −15.48
Std Dev 40.67
pull1D
Entries 53
Mean −0.8483
Std Dev 4.522

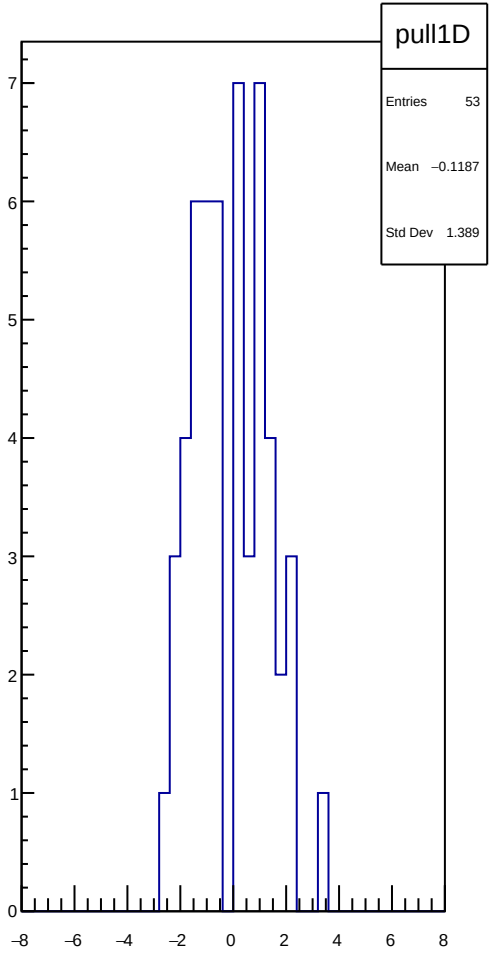

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 374.7 / 52
p0 −10.2 ± 0.1796
pull
Entries 53
Mean 7.053
Std Dev 24.93

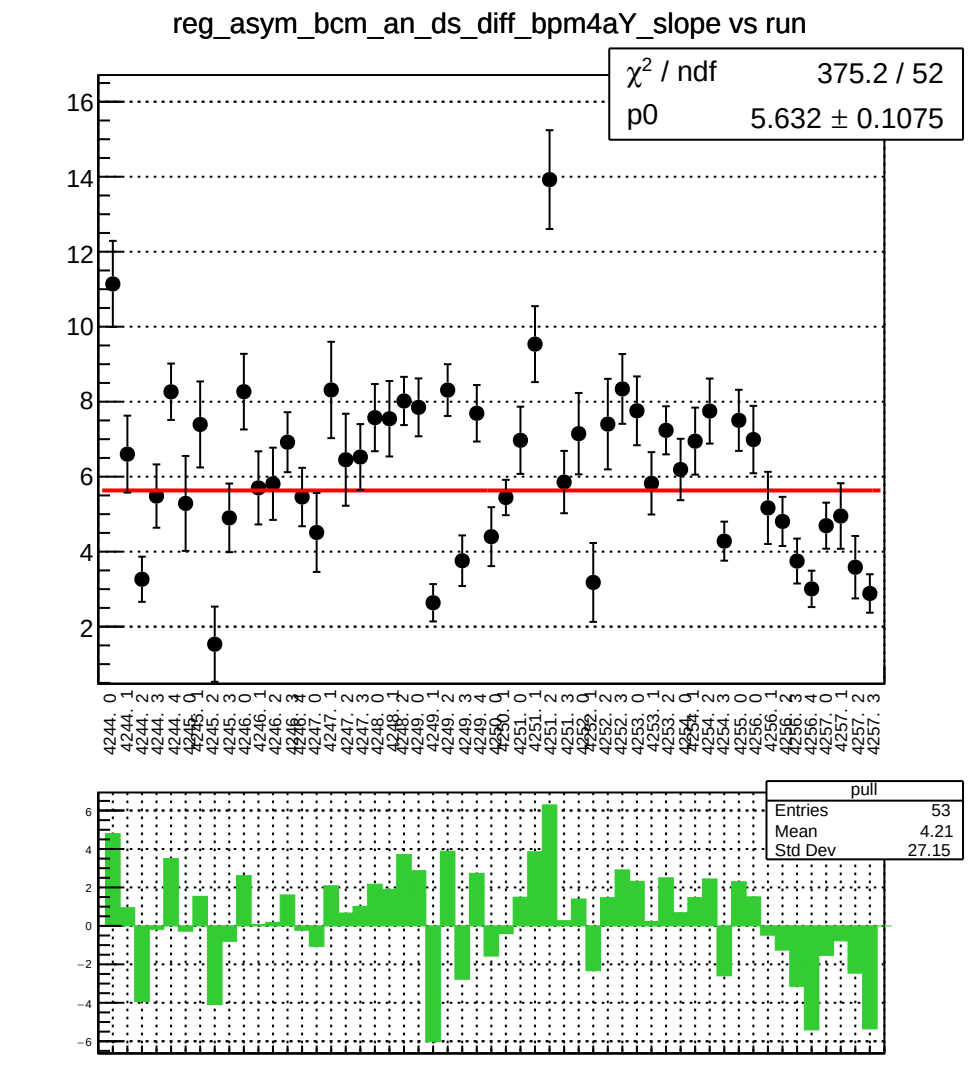

pull1D
Entries 53
Mean −0.3847
Std Dev 2.631

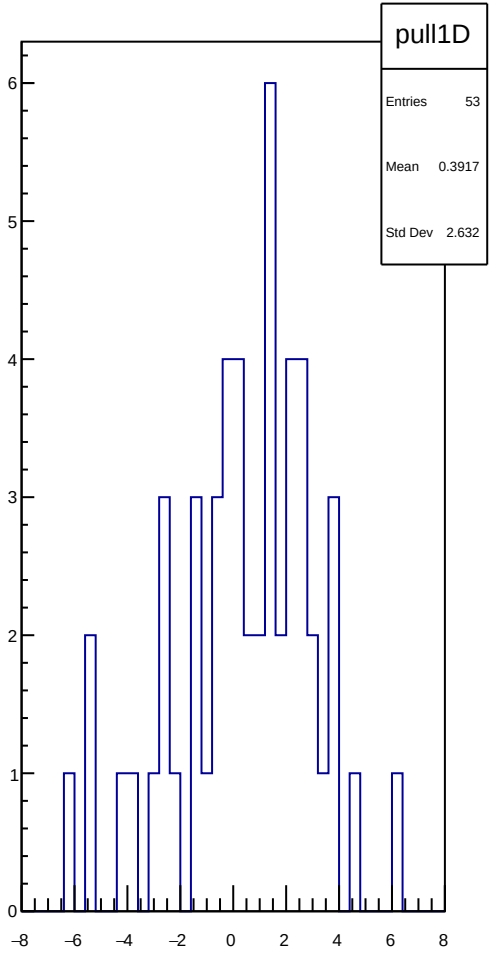

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 75.2 / 52
p0 −0.6006 ± 0.03261
pull
Entries 53
Mean −83.41
Std Dev 114.7

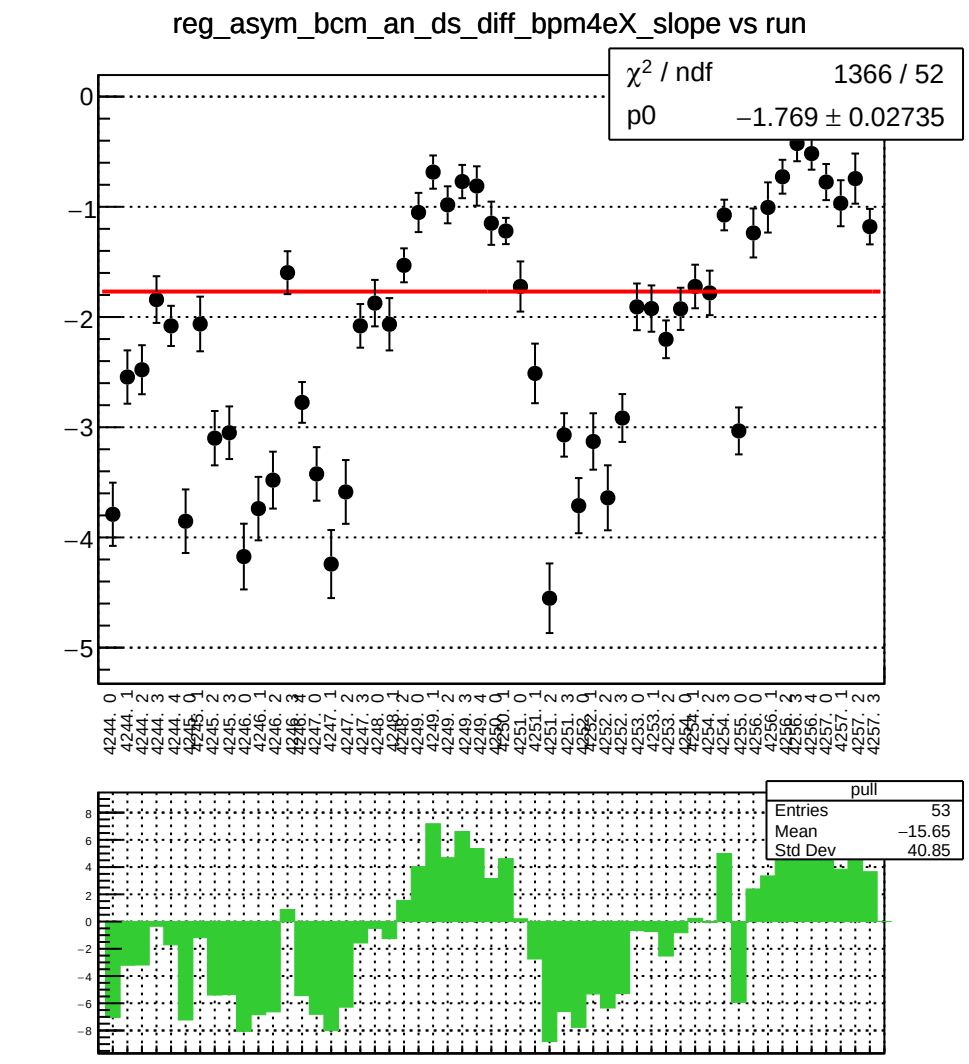

pull1D
Entries 53
Mean −0.04949
Std Dev 1.19

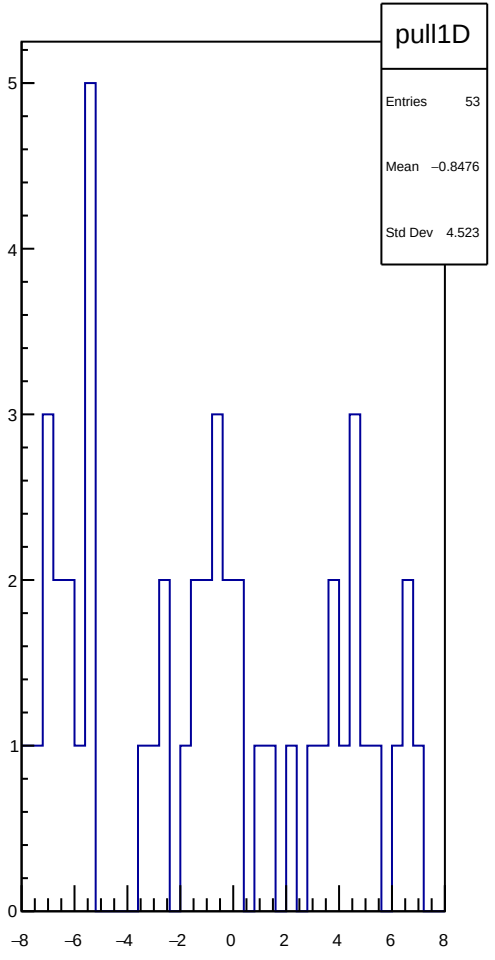

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 103 / 52
p0 −0.5794 ± 0.1421
pull
Entries 53
Mean 38.93
Std Dev 15.17

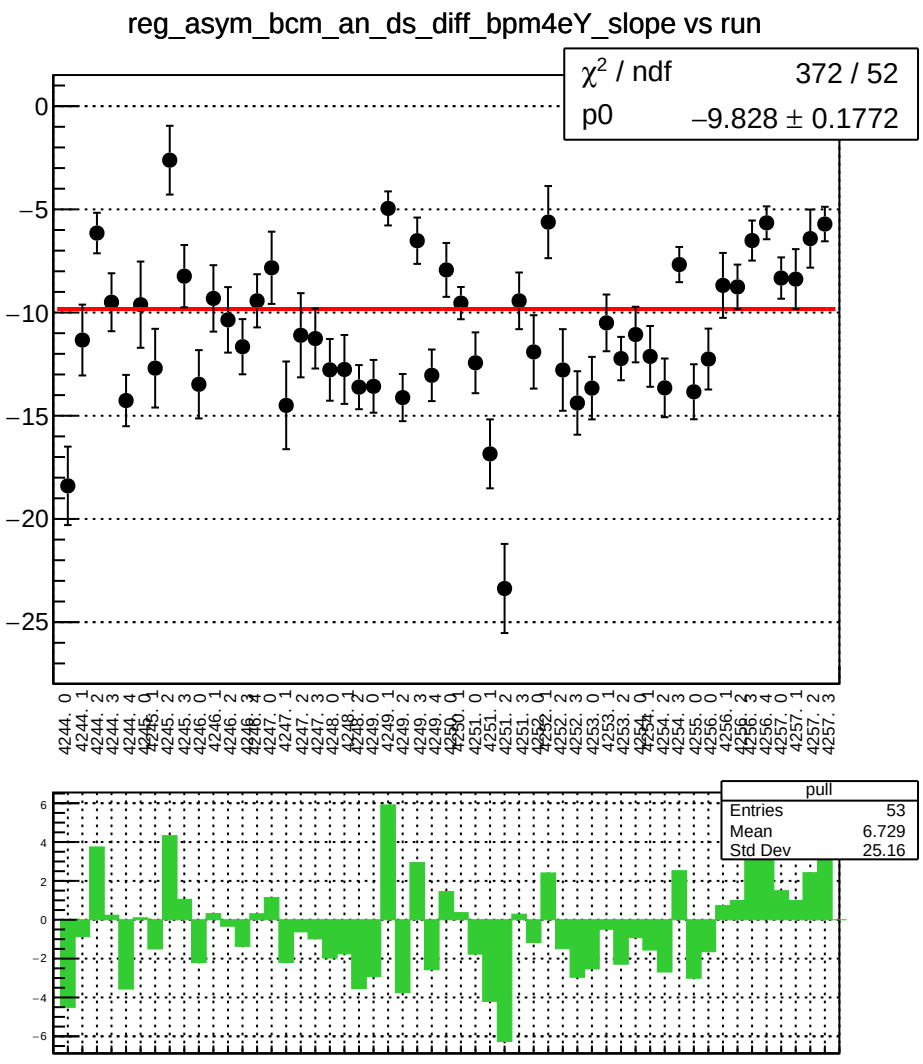

pull1D
Entries 53
Mean −0.1187
Std Dev 1.389

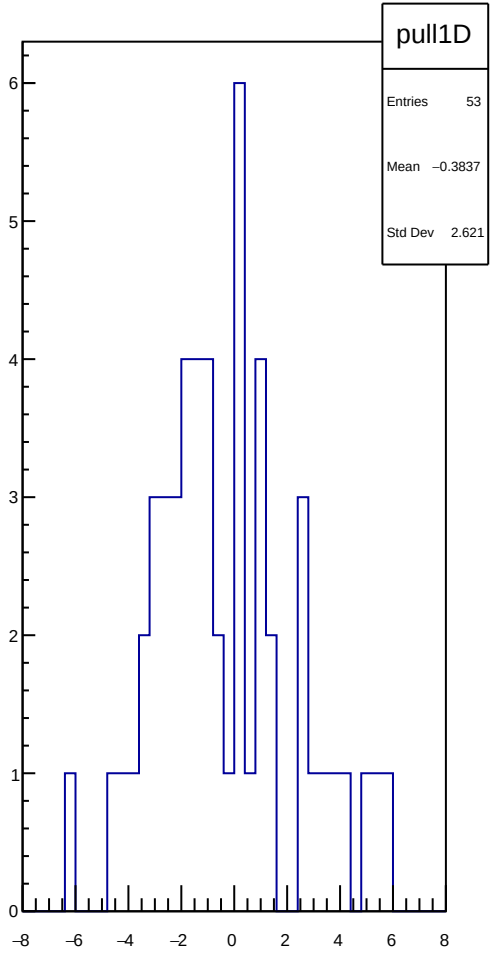

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 375.2 / 52
p0 5.632 ± 0.1075
pull
Entries 53
Mean 4.21
Std Dev 27.15

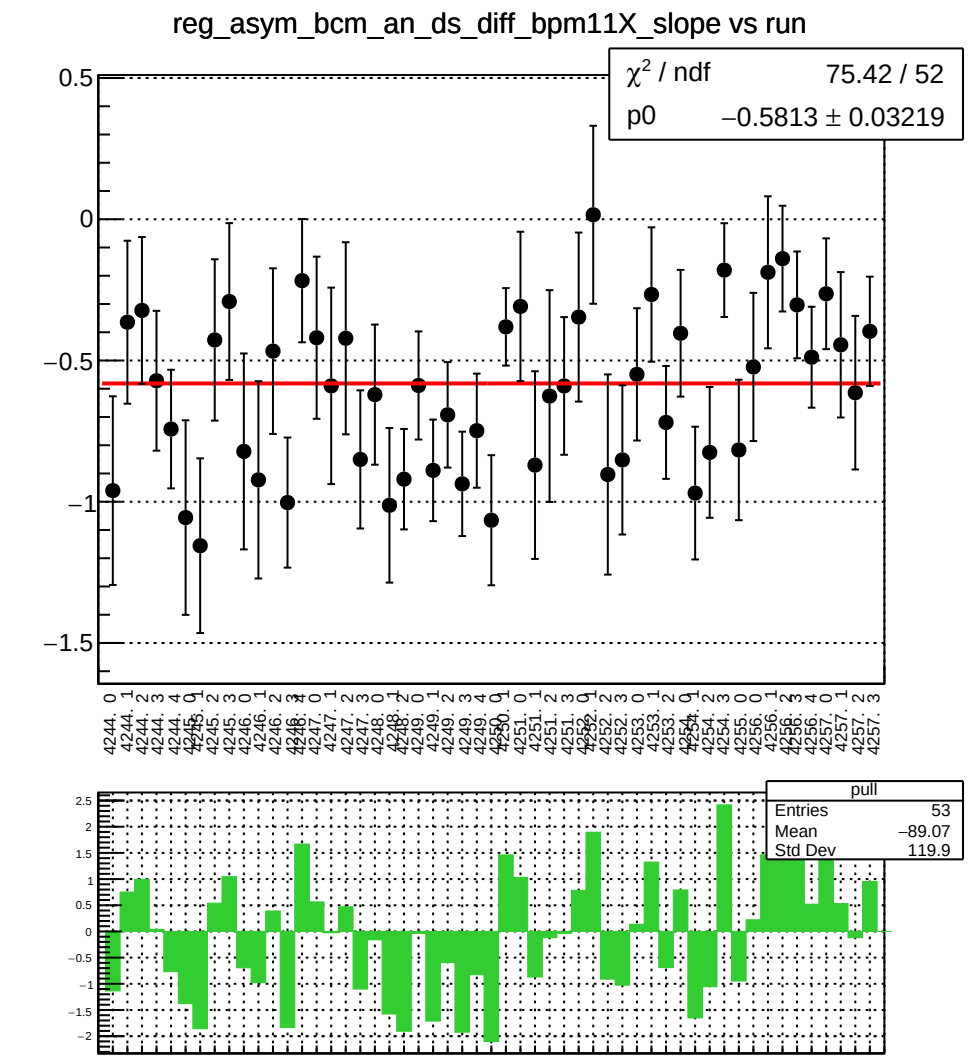

pull1D
Entries 53
Mean 0.3917
Std Dev 2.632

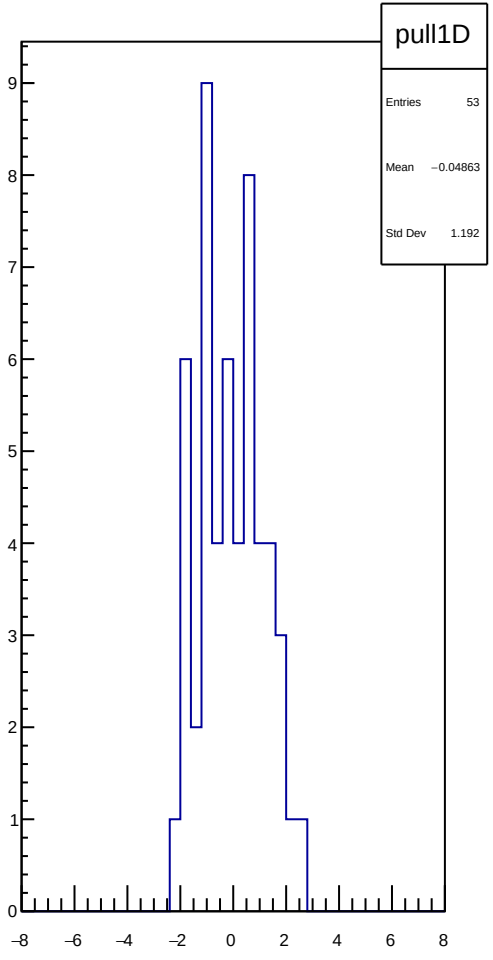

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1366 / 52
p0 −1.769 ± 0.02735
pull
Entries 53
Mean −15.65
Std Dev 40.85

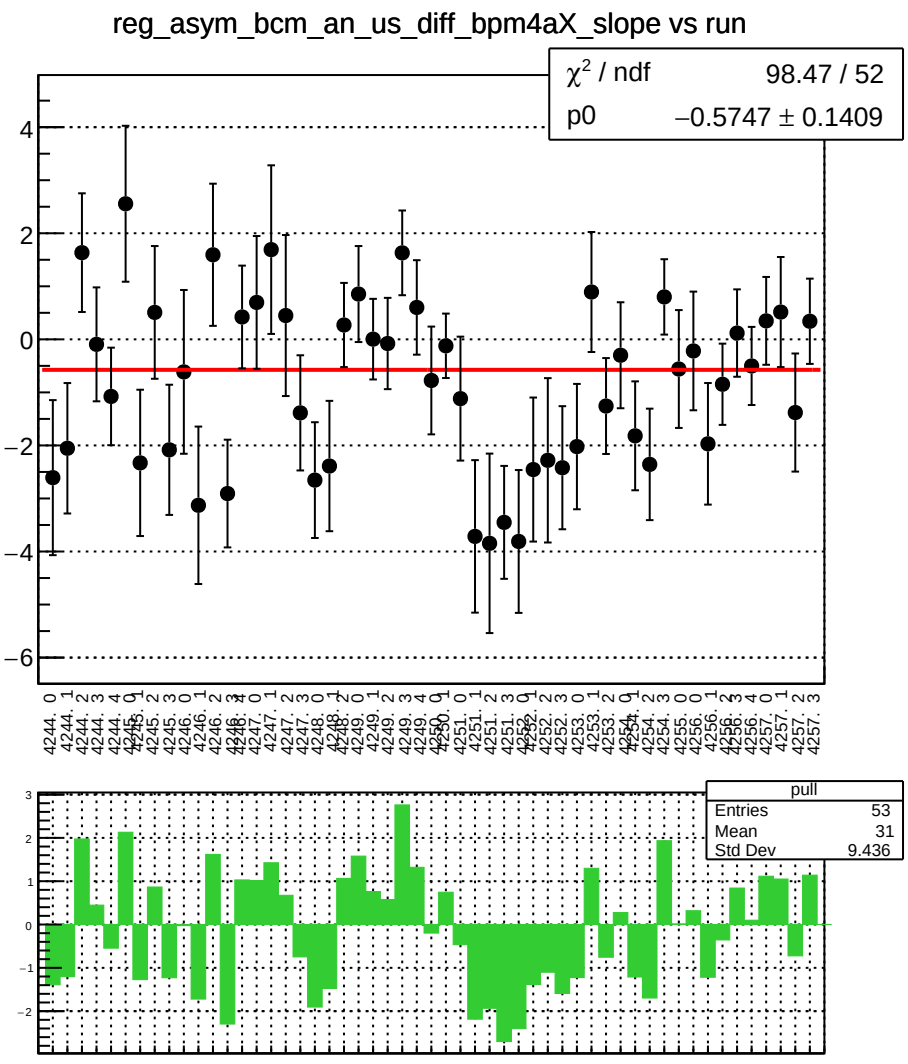

pull1D
Entries 53
Mean −0.8476
Std Dev 4.523

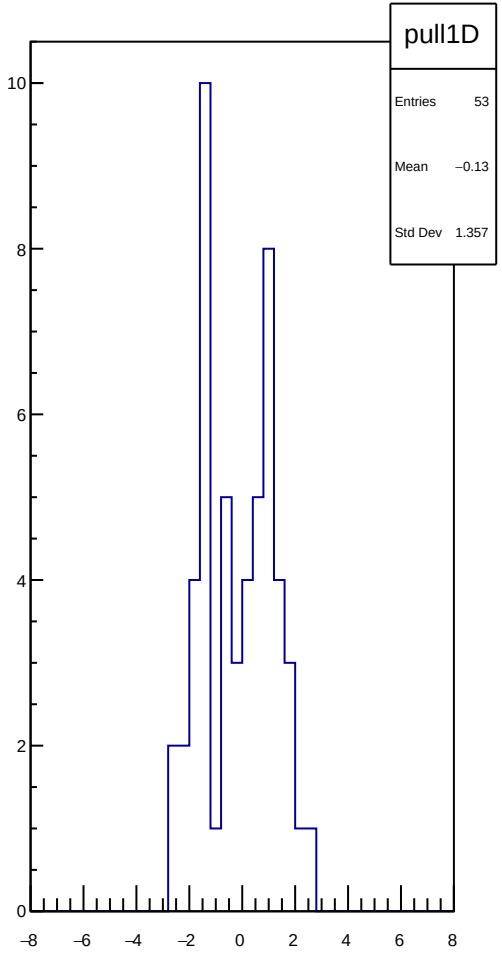

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 372 / 52
p0 −9.828 ± 0.1772
pull
Entries 53
Mean 6.729
Std Dev 25.16

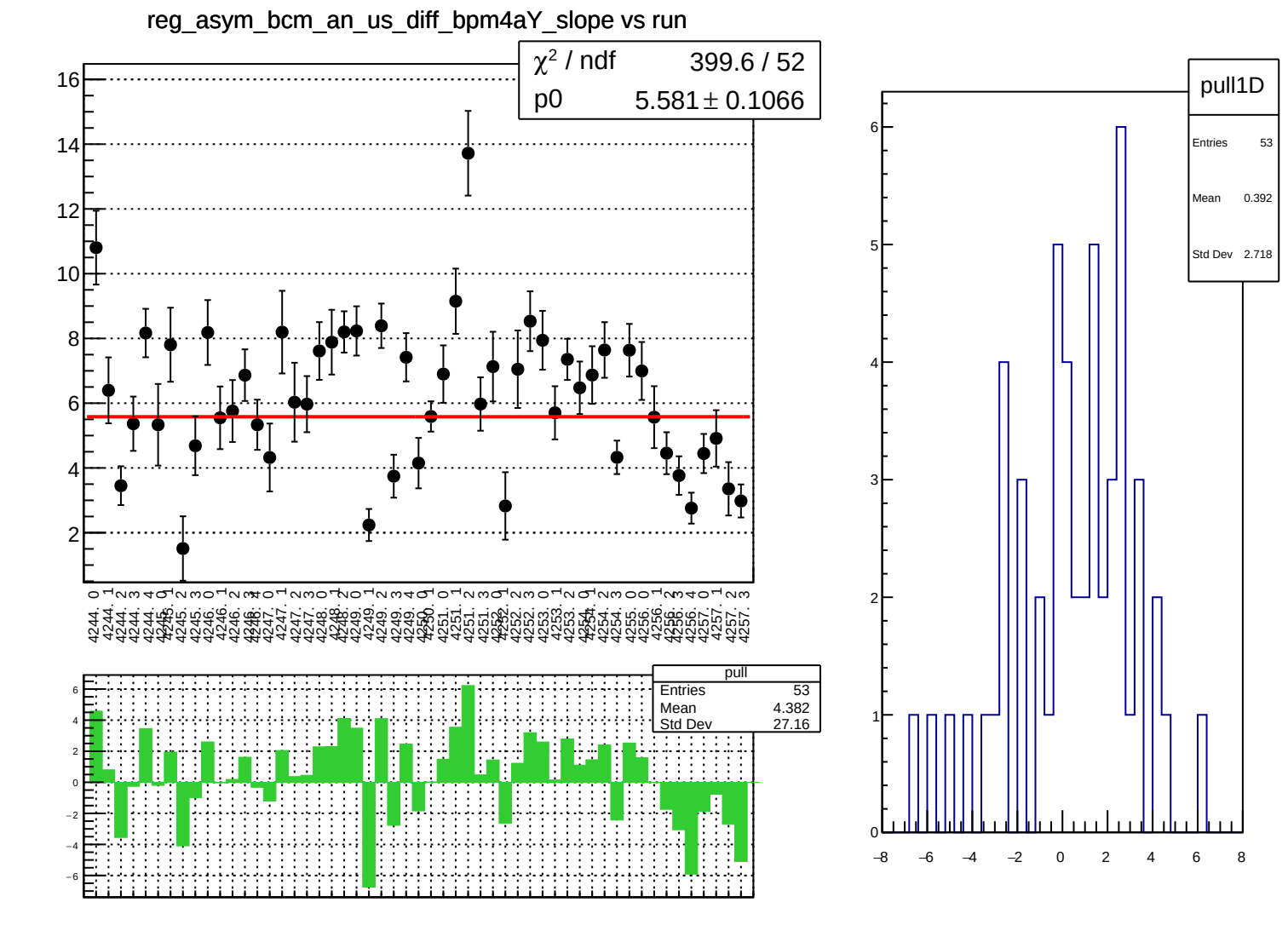

pull1D
Entries 53
Mean −0.3837
Std Dev 2.621

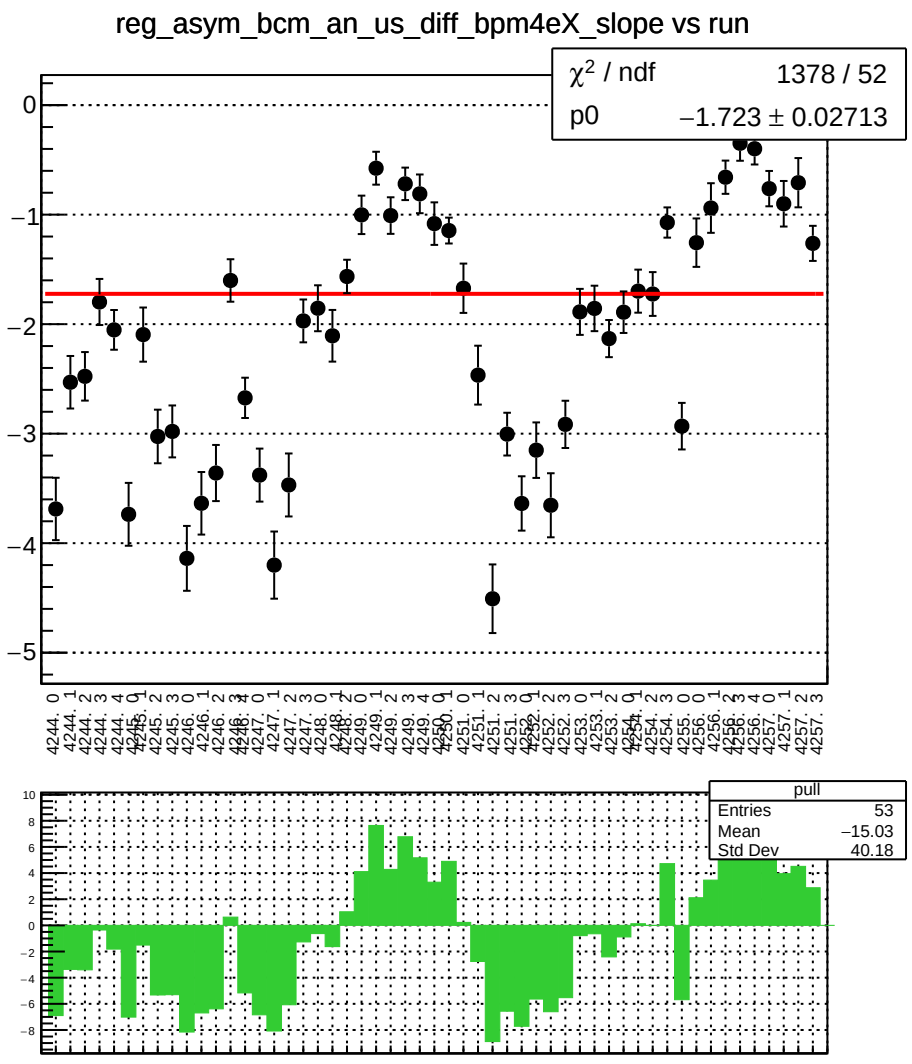

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 75.42 / 52
p0 −0.5813 ± 0.03219
pull
Entries 53
Mean −89.07
Std Dev 119.9

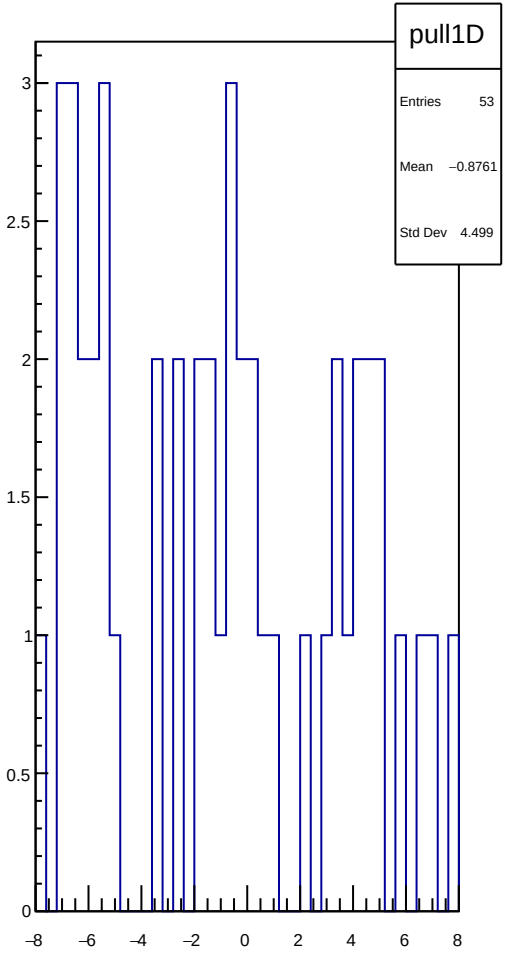

pull1D
Entries 53
Mean −0.04863
Std Dev 1.192

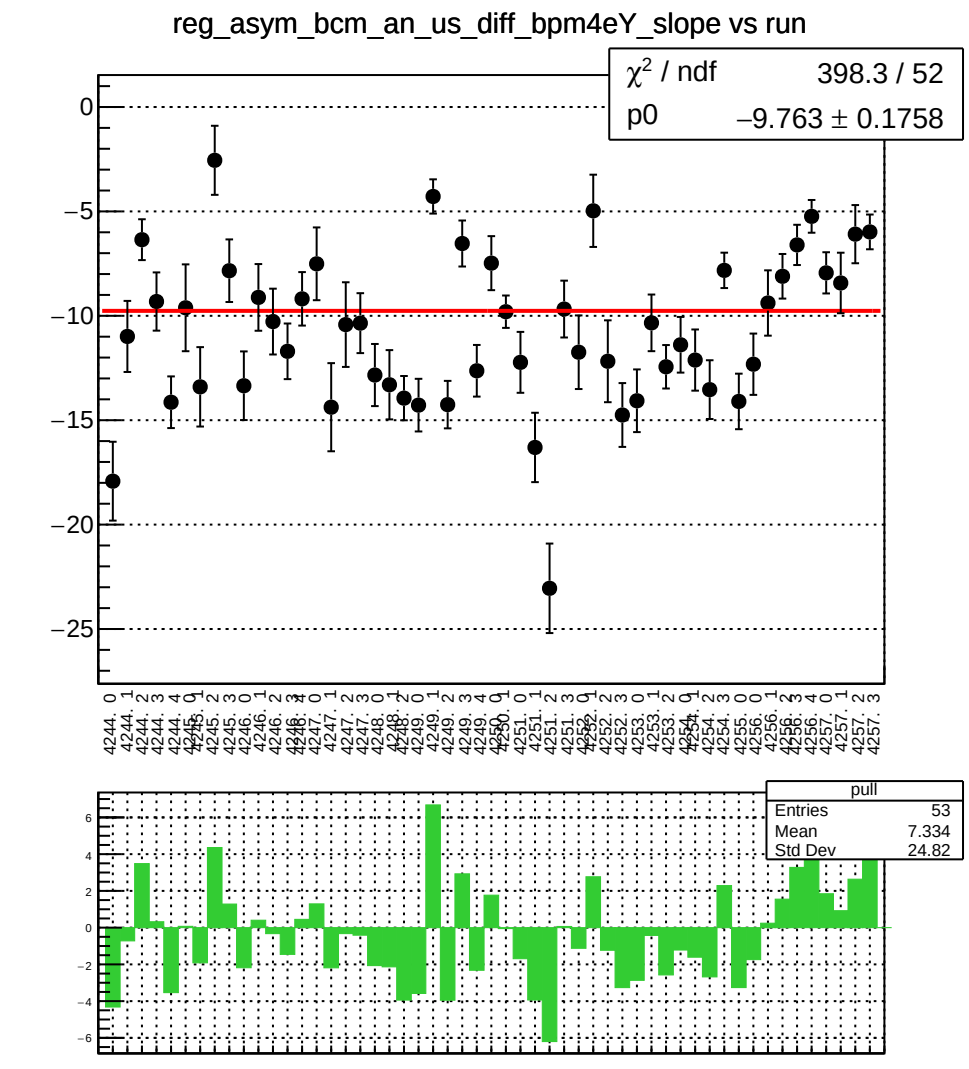

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 98.47 / 52
p0 −0.5747 ± 0.1409
pull
Entries 53
Mean 31
Std Dev 9.436

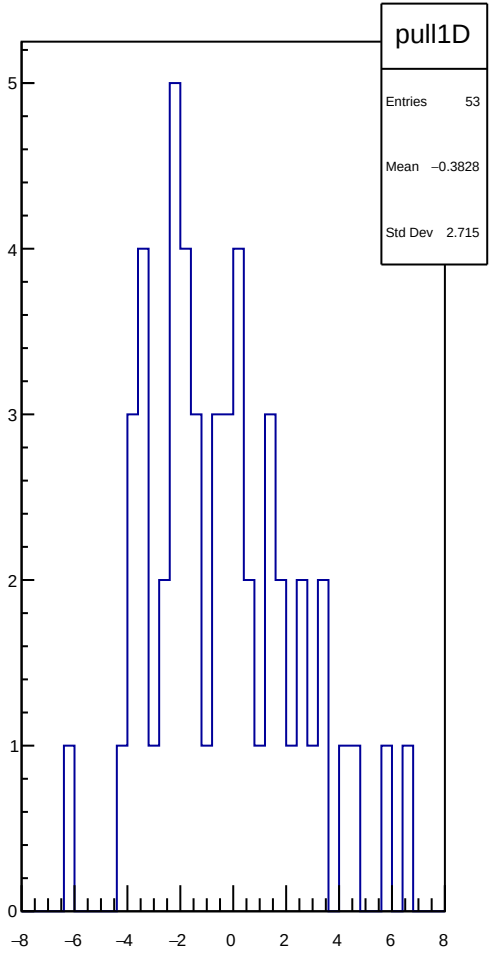

pull1D
Entries 53
Mean −0.13
Std Dev 1.357

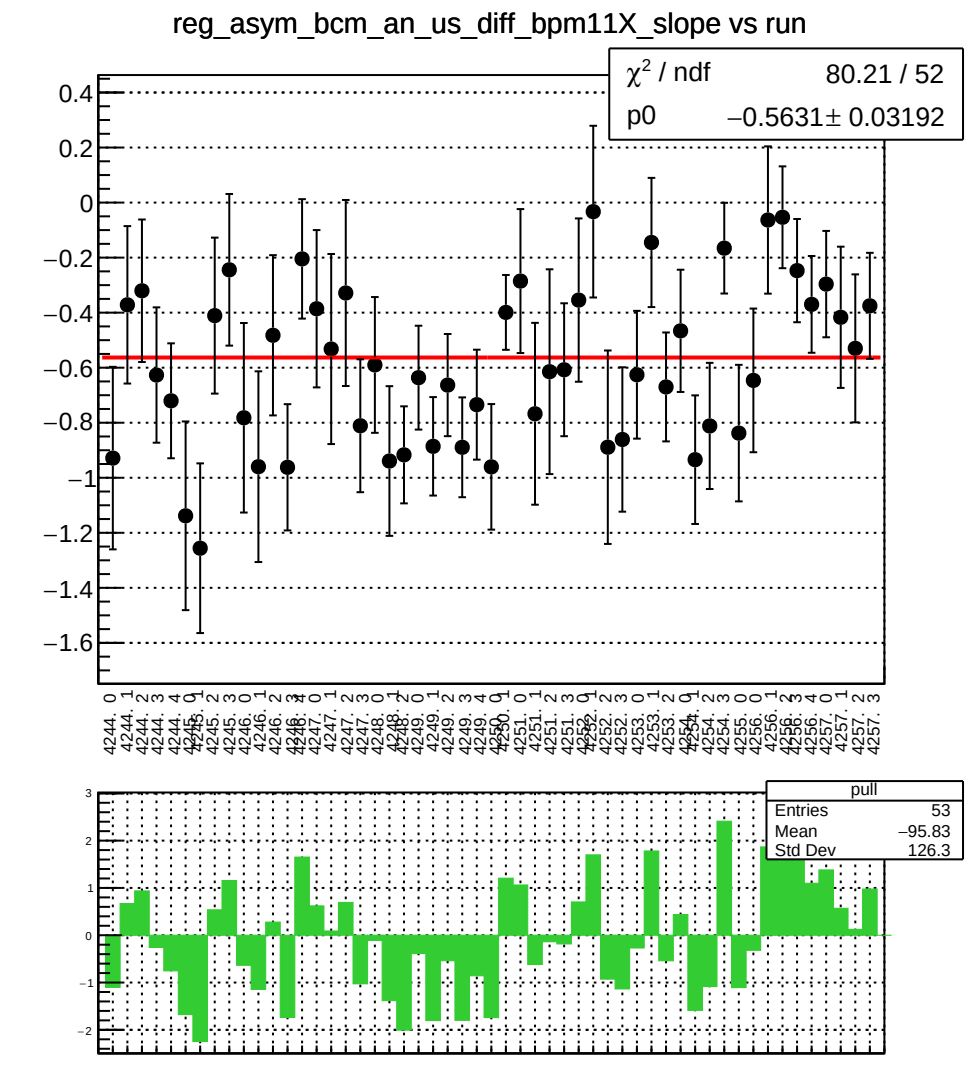

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 399.6 / 52
p0 5.581 ± 0.1066
pull
Entries 53
Mean 4.382
Std Dev 27.16
pull1D
Entries 53
Mean 0.392
Std Dev 2.718

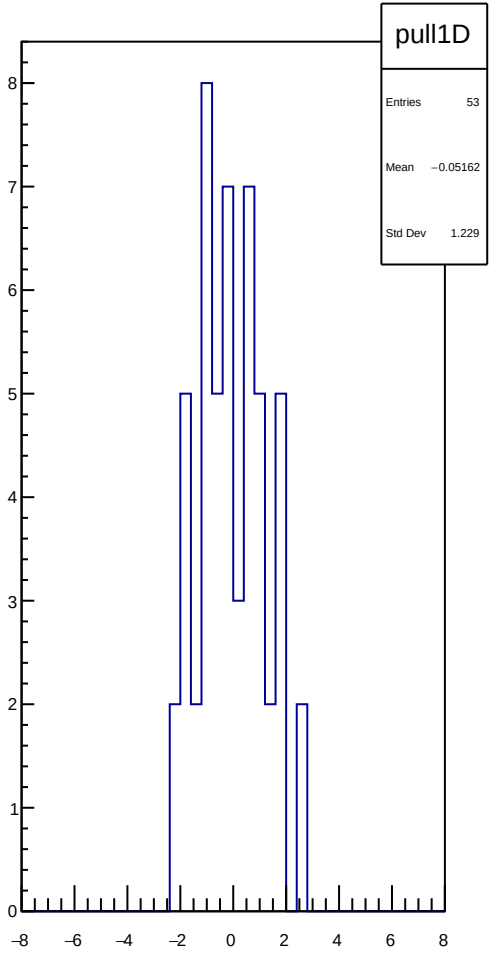

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1378 / 52
p0 −1.723 ± 0.02713
pull
Entries 53
Mean −15.03
Std Dev 40.18

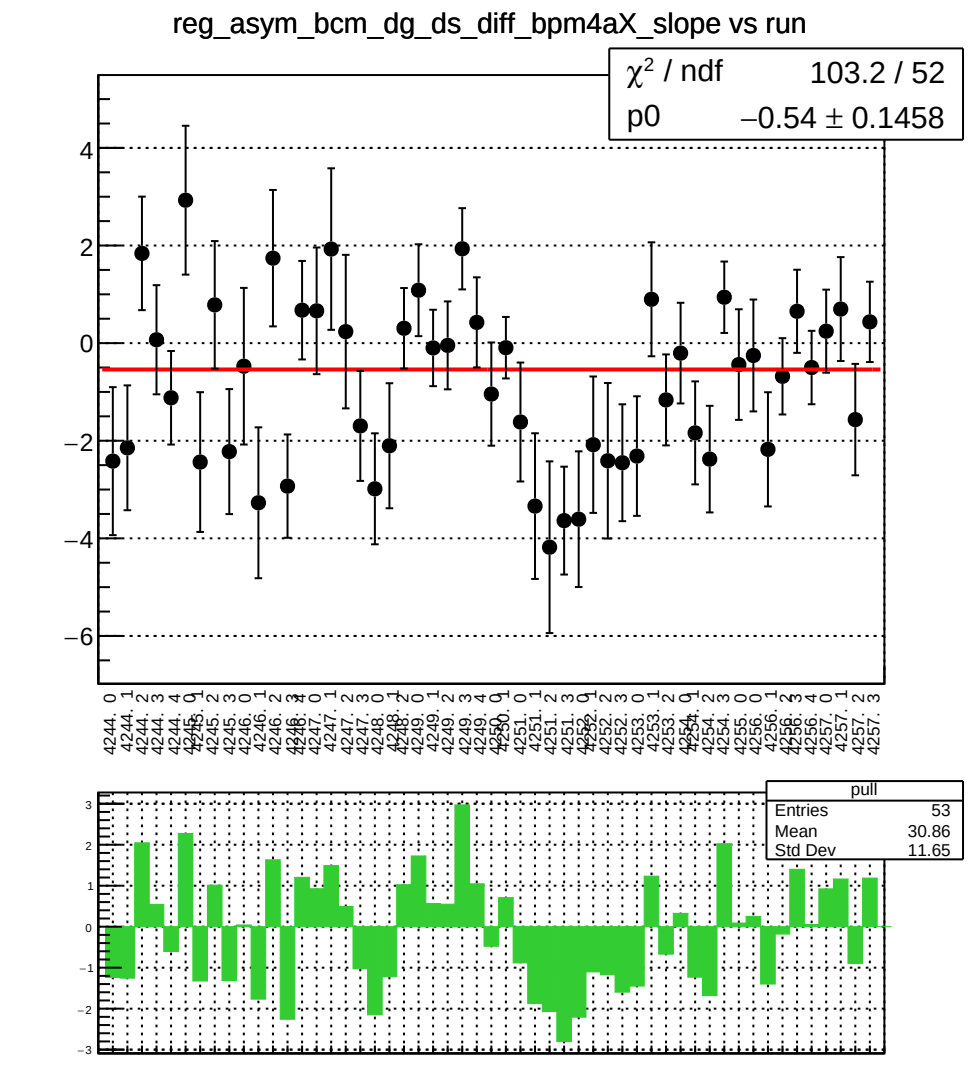

pull1D
Entries 53
Mean −0.8761
Std Dev 4.499

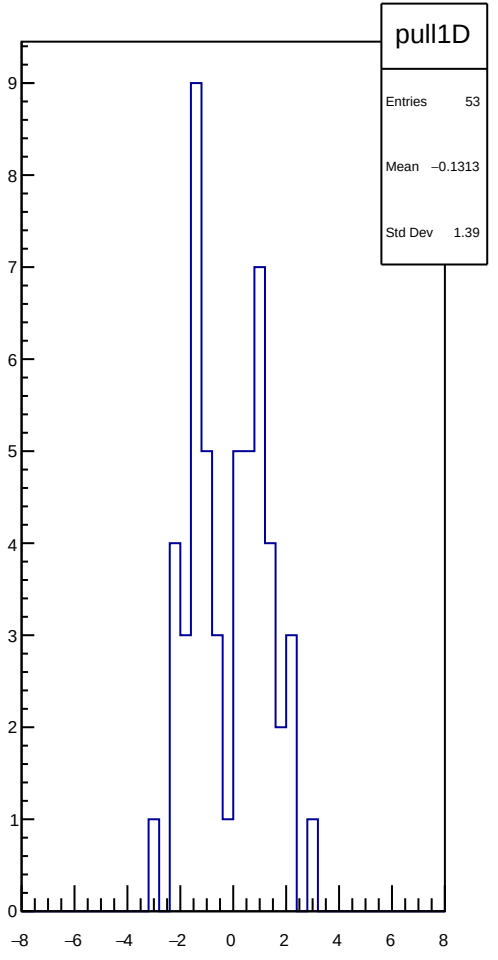

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 398.3 / 52
p0 −9.763 ± 0.1758
pull
Entries 53
Mean 7.334
Std Dev 24.82

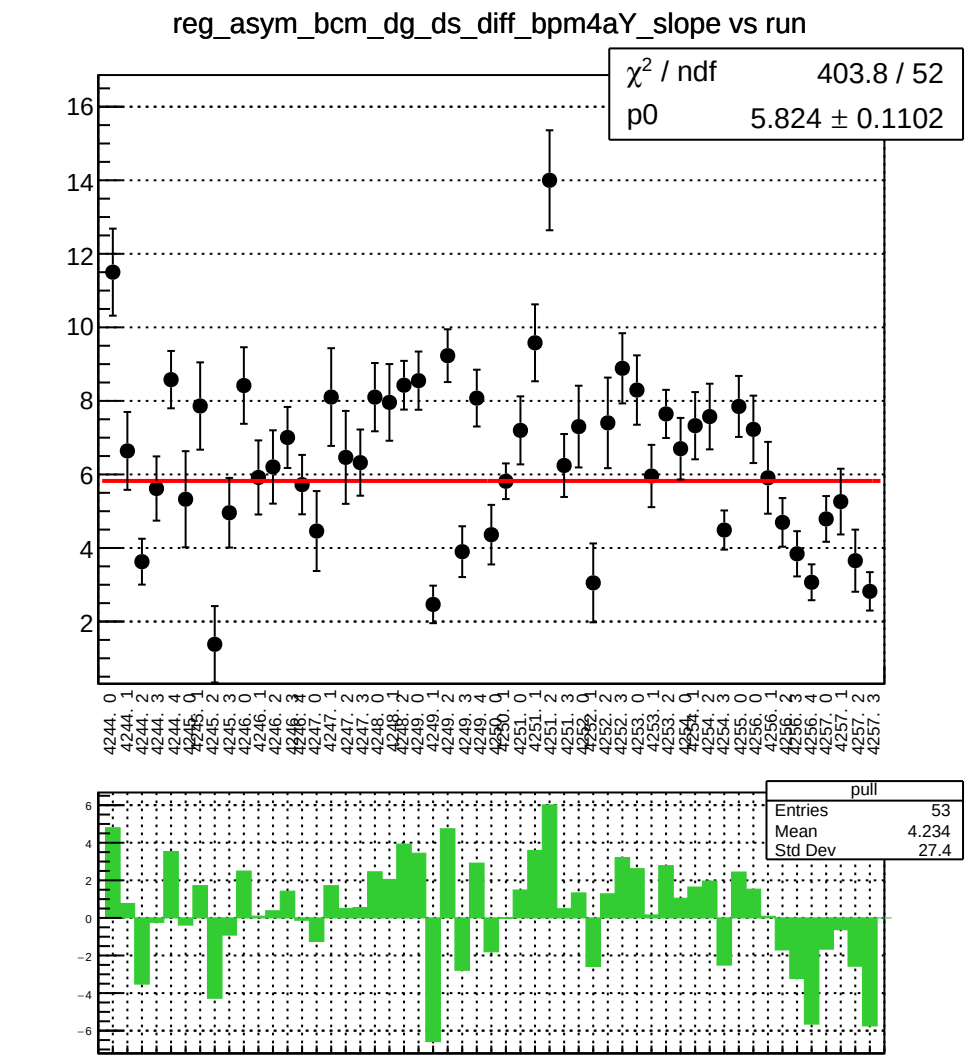

pull1D
Entries 53
Mean −0.3828
Std Dev 2.715

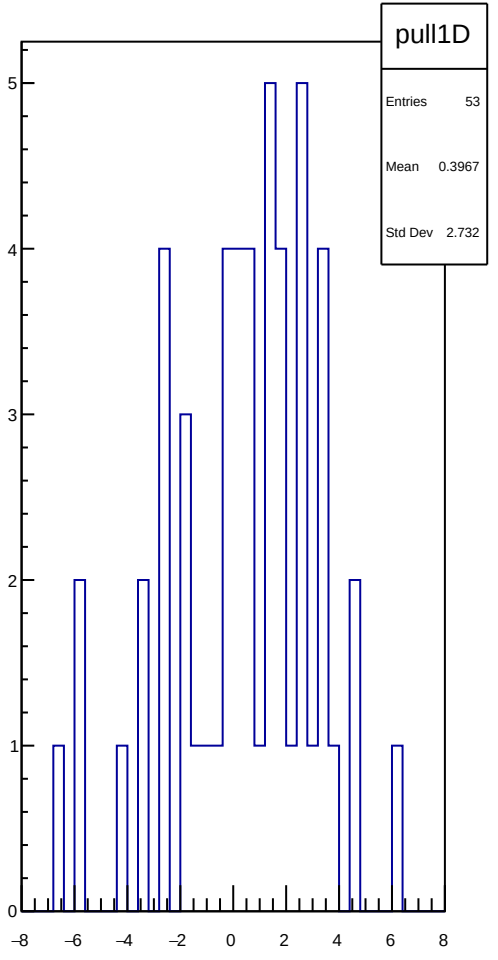

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 80.21 / 52
p0 −0.5631 ± 0.03192
pull
Entries 53
Mean −95.83
Std Dev 126.3

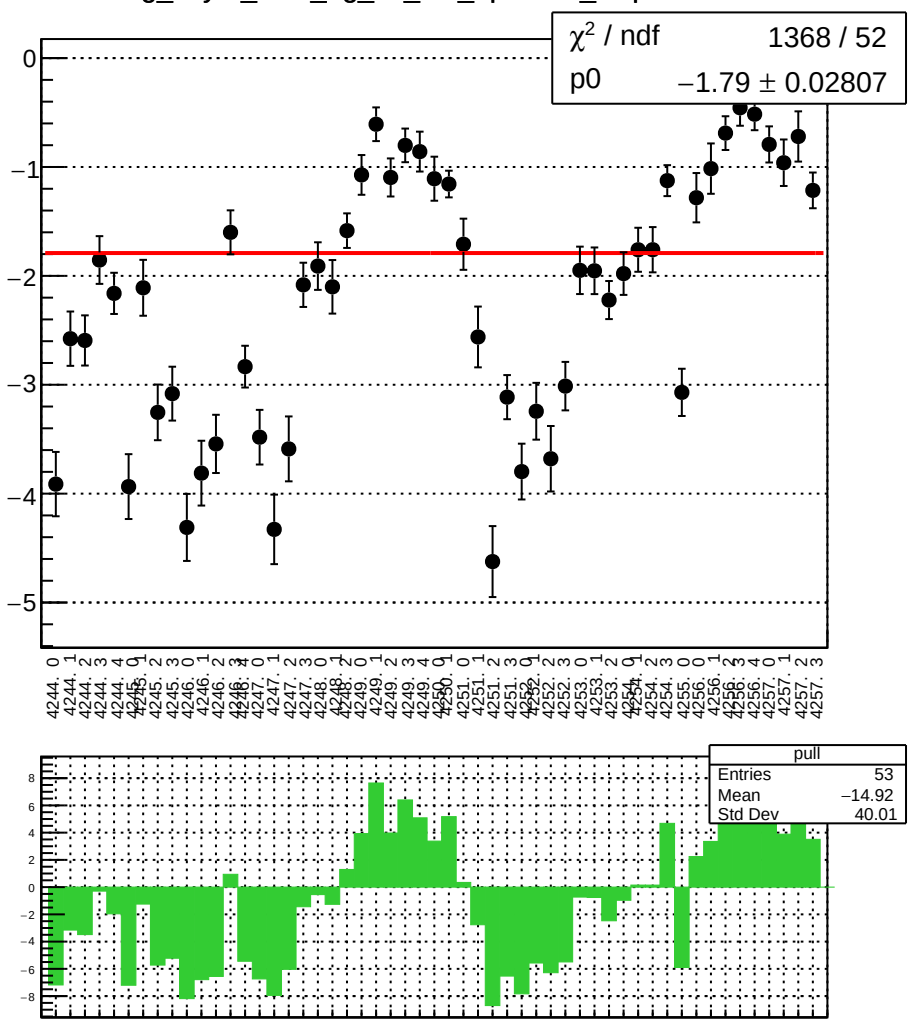

pull1D
Entries 53
Mean −0.05162
Std Dev 1.229

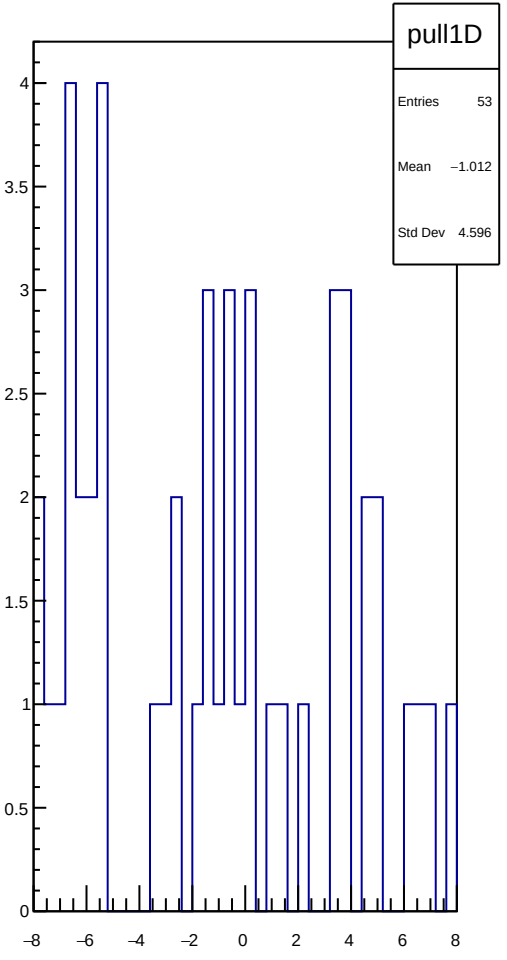

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 103.2 / 52
p0 −0.54 ± 0.1458
pull
Entries 53
Mean 30.86
Std Dev 11.65

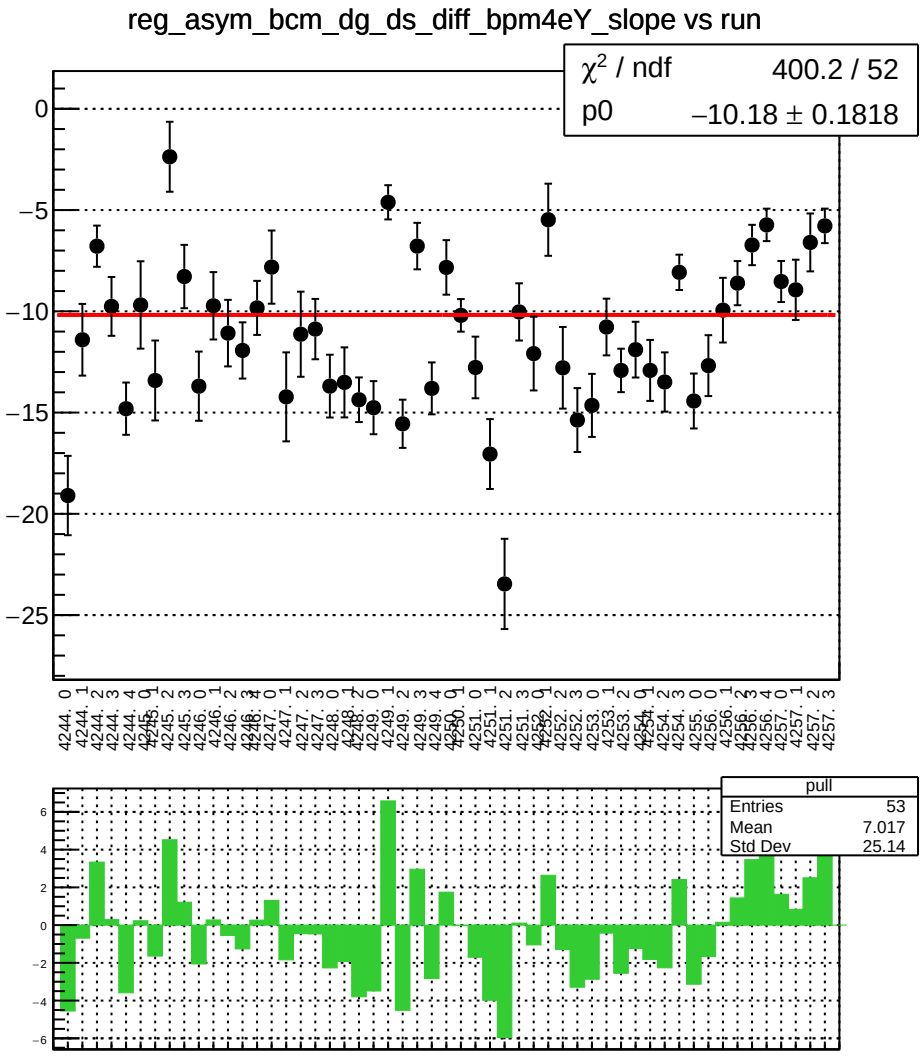

pull1D
Entries 53
Mean −0.1313
Std Dev 1.39

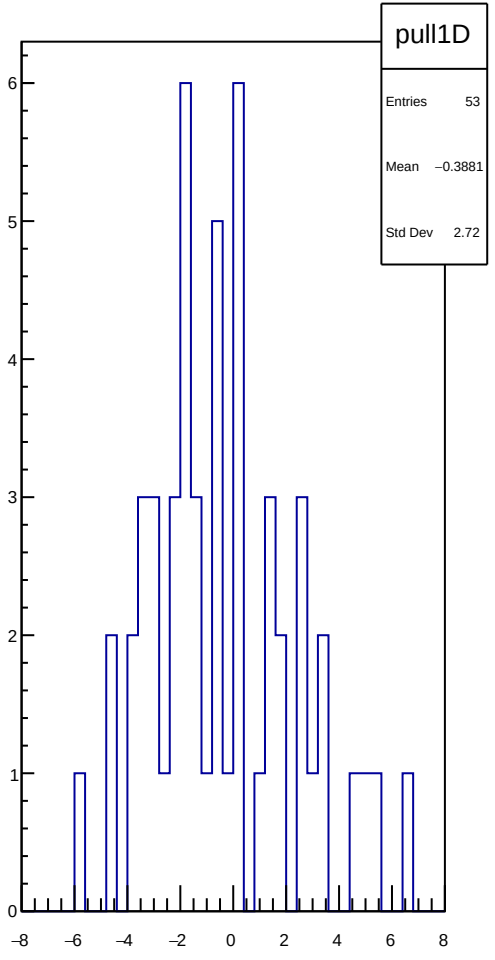

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 403.8 / 52
p0 5.824 ± 0.1102
pull
Entries 53
Mean 4.234
Std Dev 27.4

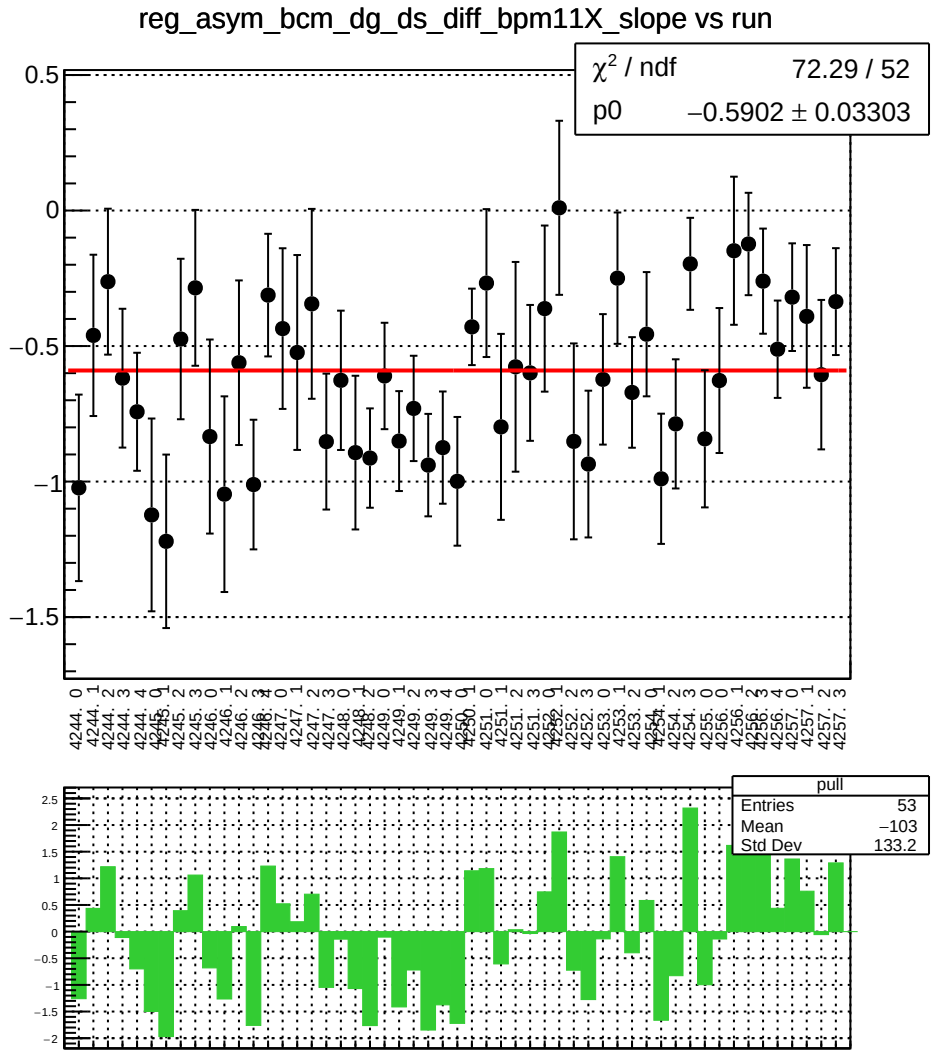

pull1D
Entries 53
Mean 0.3967
Std Dev 2.732

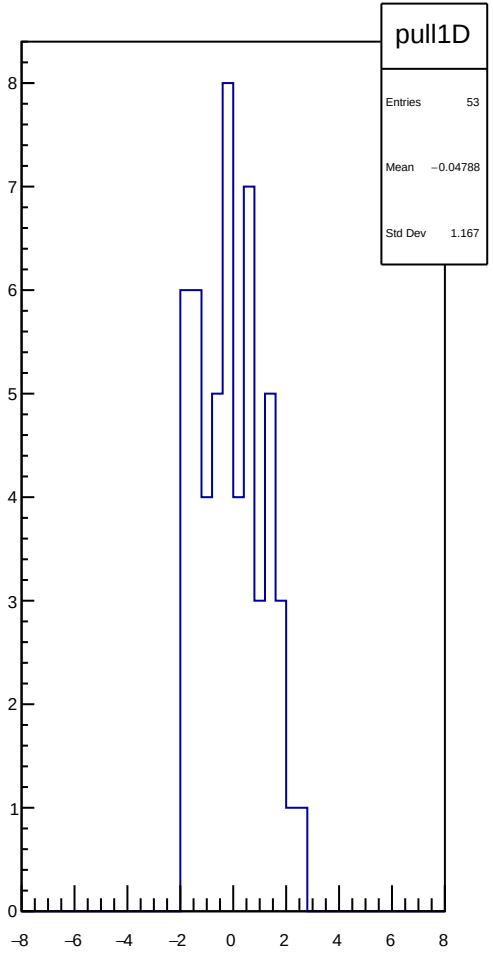

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1368 / 52
p0 −1.79 ± 0.02807
pull
Entries 53
Mean −14.92
Std Dev 40.01

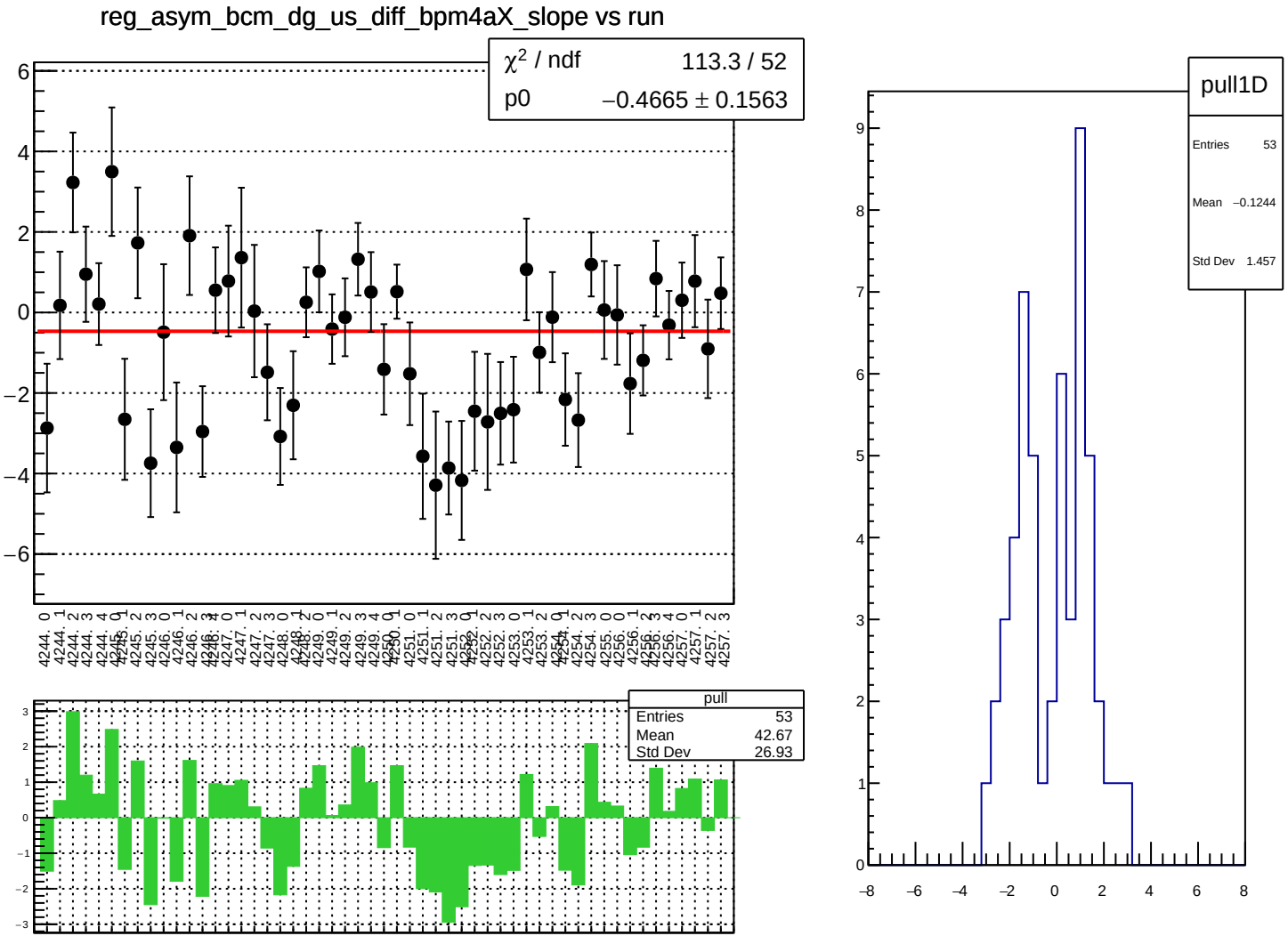

pull1D
Entries 53
Mean −1.012
Std Dev 4.596

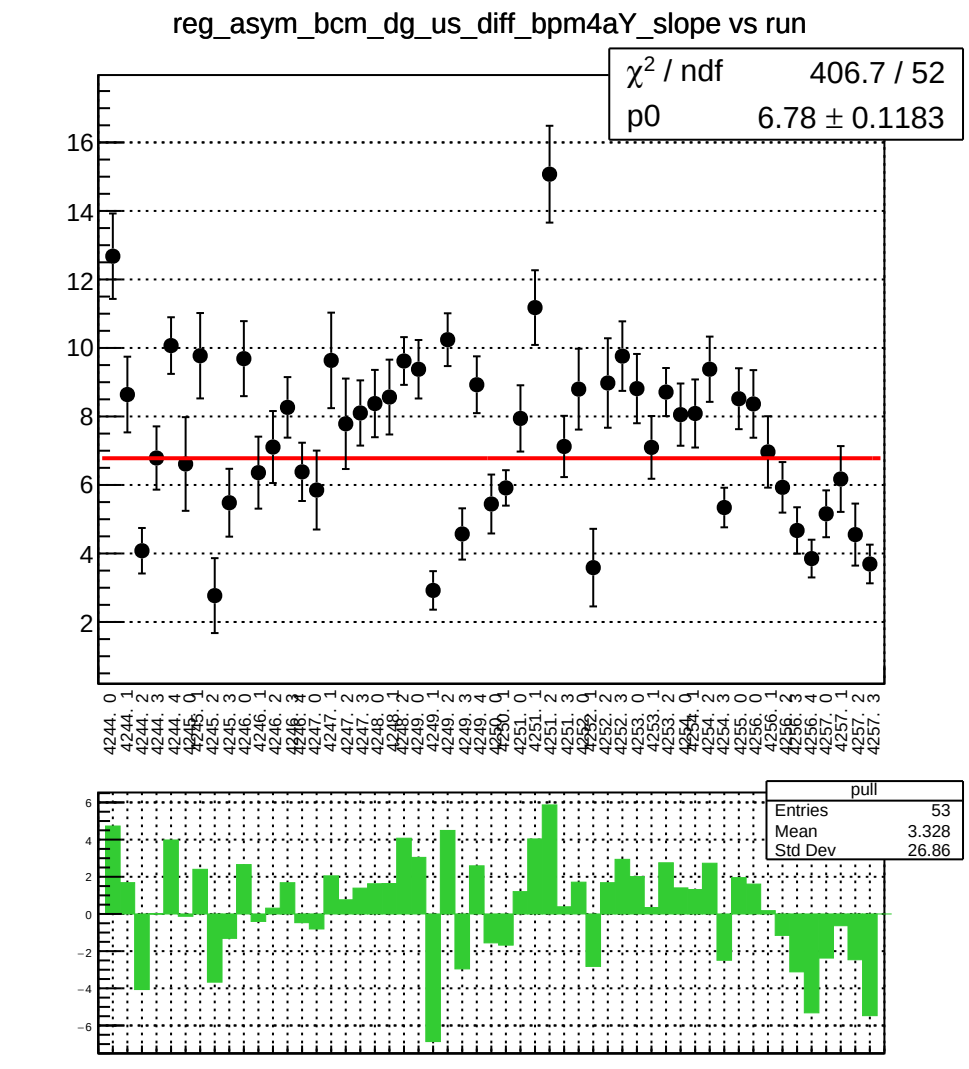

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 400.2 / 52
p0 −10.18 ± 0.1818
pull
Entries 53
Mean 7.017
Std Dev 25.14

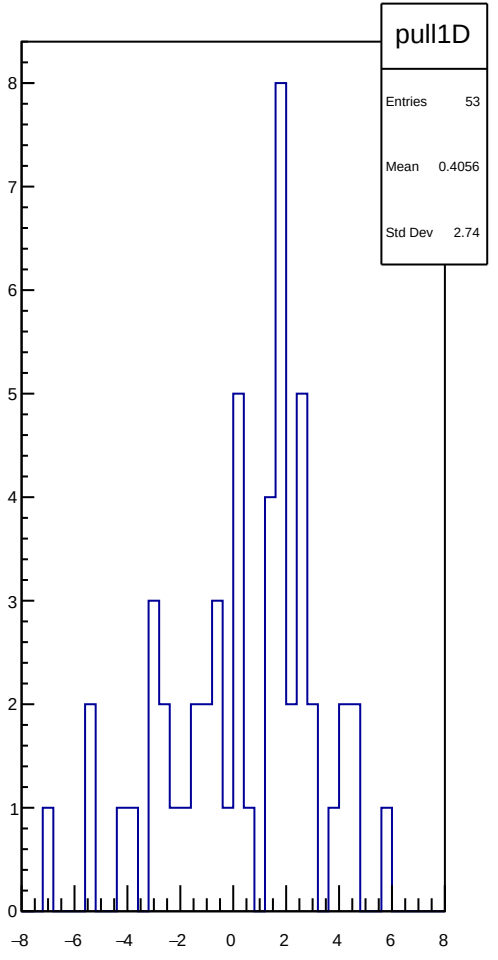

pull1D
Entries 53
Mean −0.3881
Std Dev 2.72

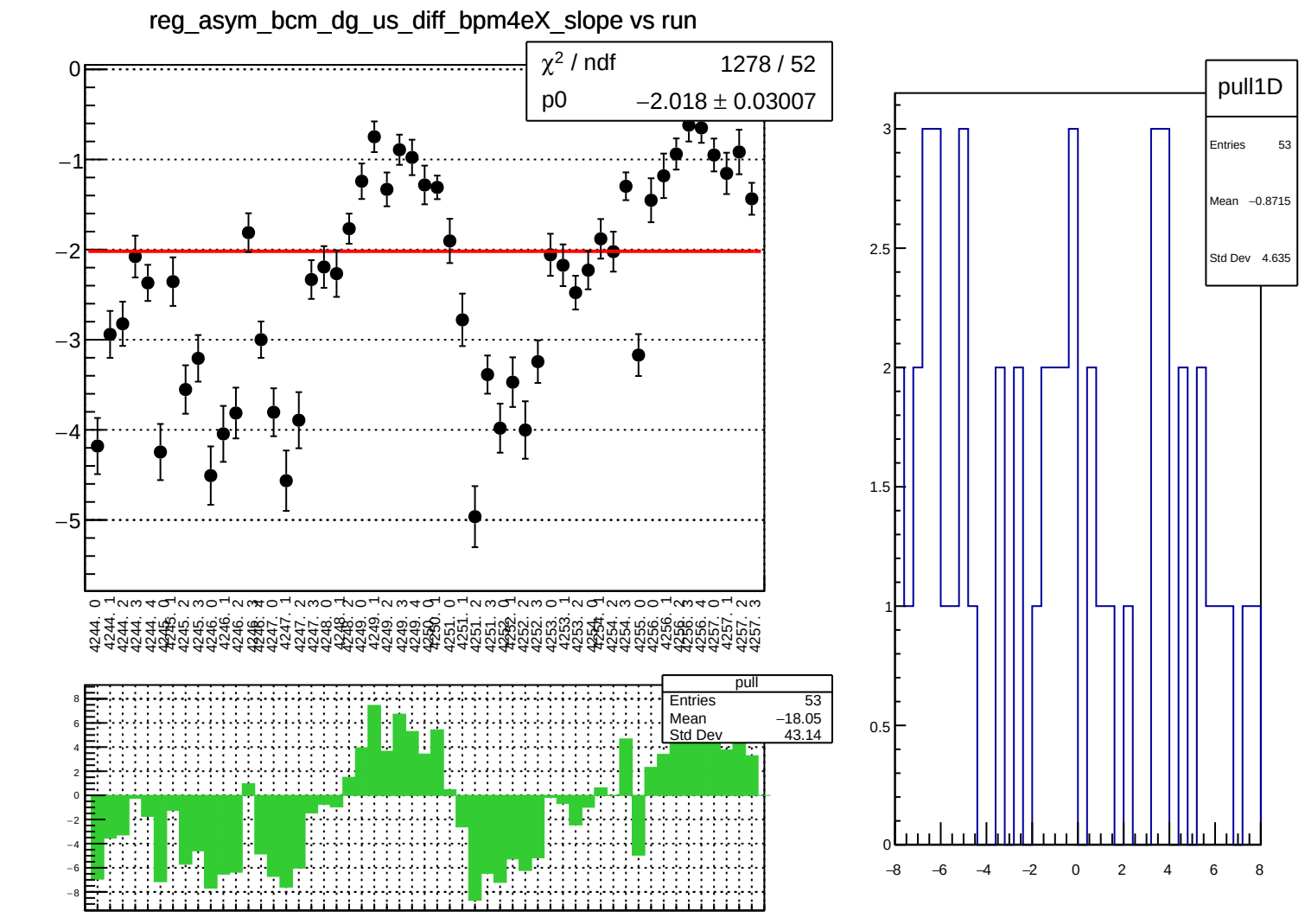

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 72.29 / 52
p0 −0.5902 ± 0.03303
pull
Entries 53
Mean −103
Std Dev 133.2

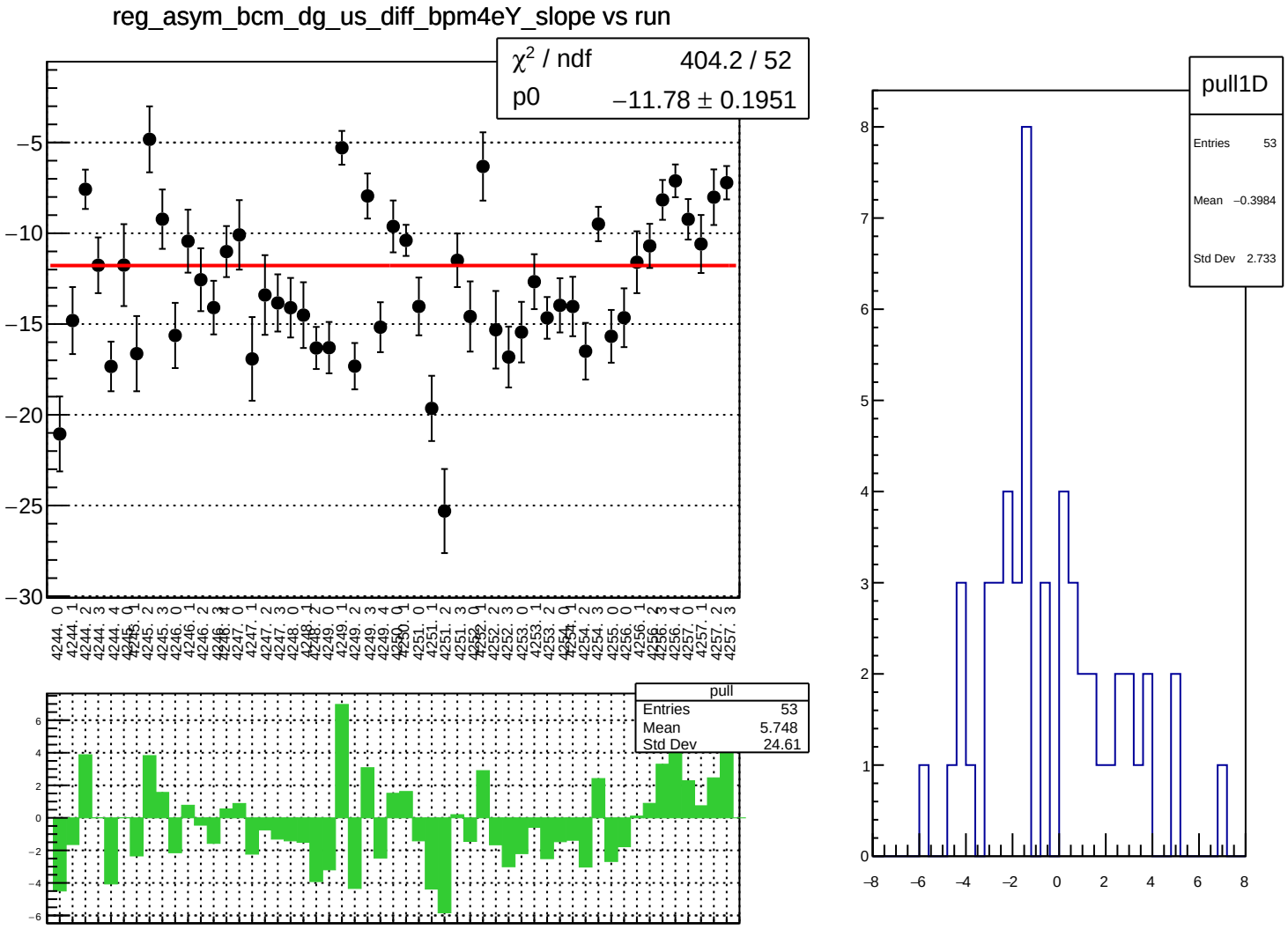

pull1D
Entries 53
Mean −0.04788
Std Dev 1.167

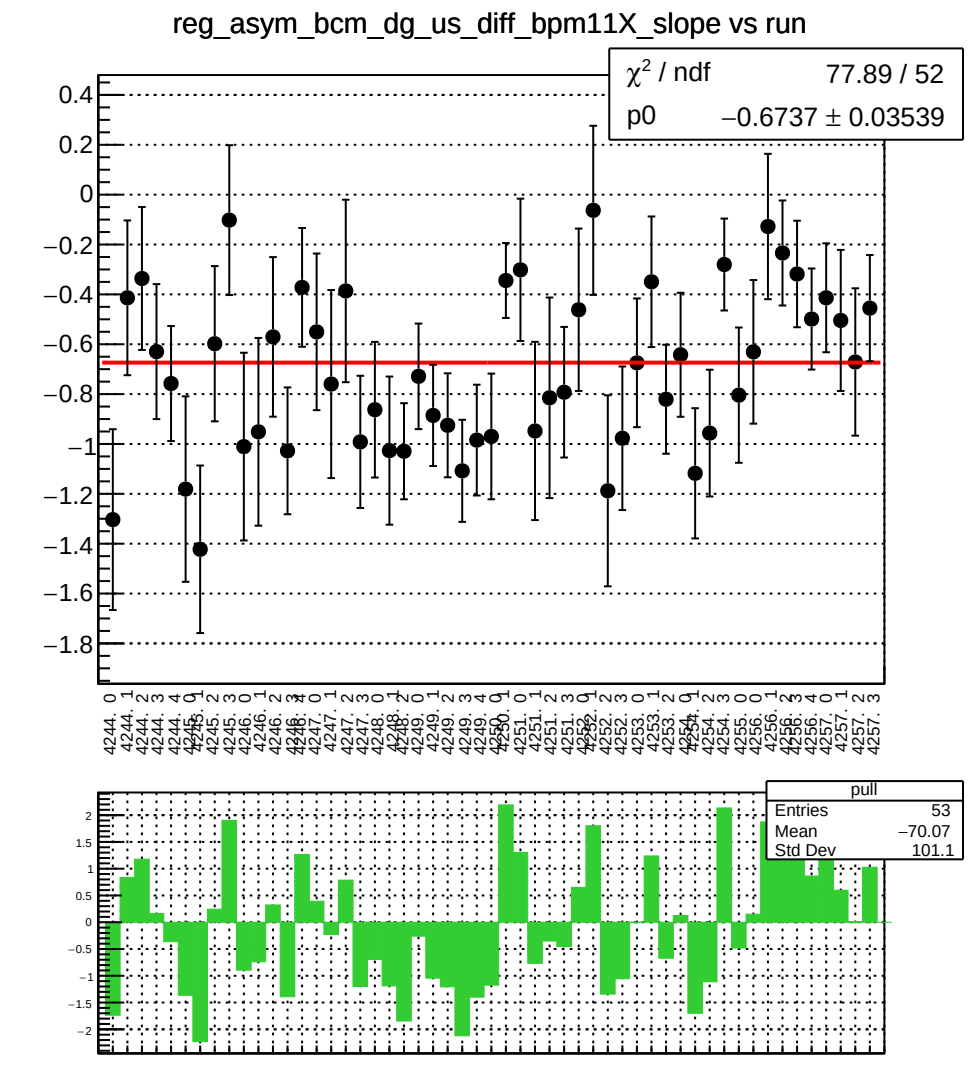

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 113.3 / 52
p0 −0.4665 ± 0.1563
pull
Entries 53
Mean 42.67
Std Dev 26.93
pull1D
Entries 53
Mean −0.1244
Std Dev 1.457

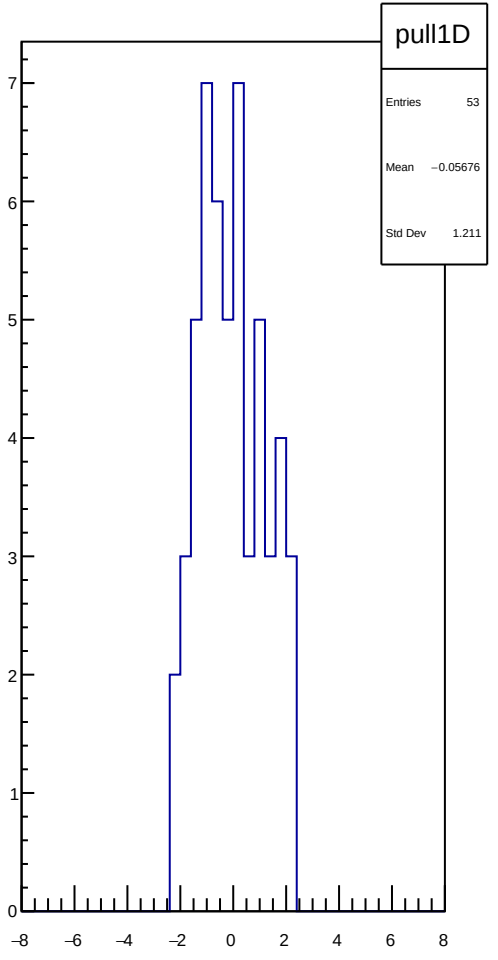

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 406.7 / 52
p0 6.78 ± 0.1183
pull
Entries 53
Mean 3.328
Std Dev 26.86

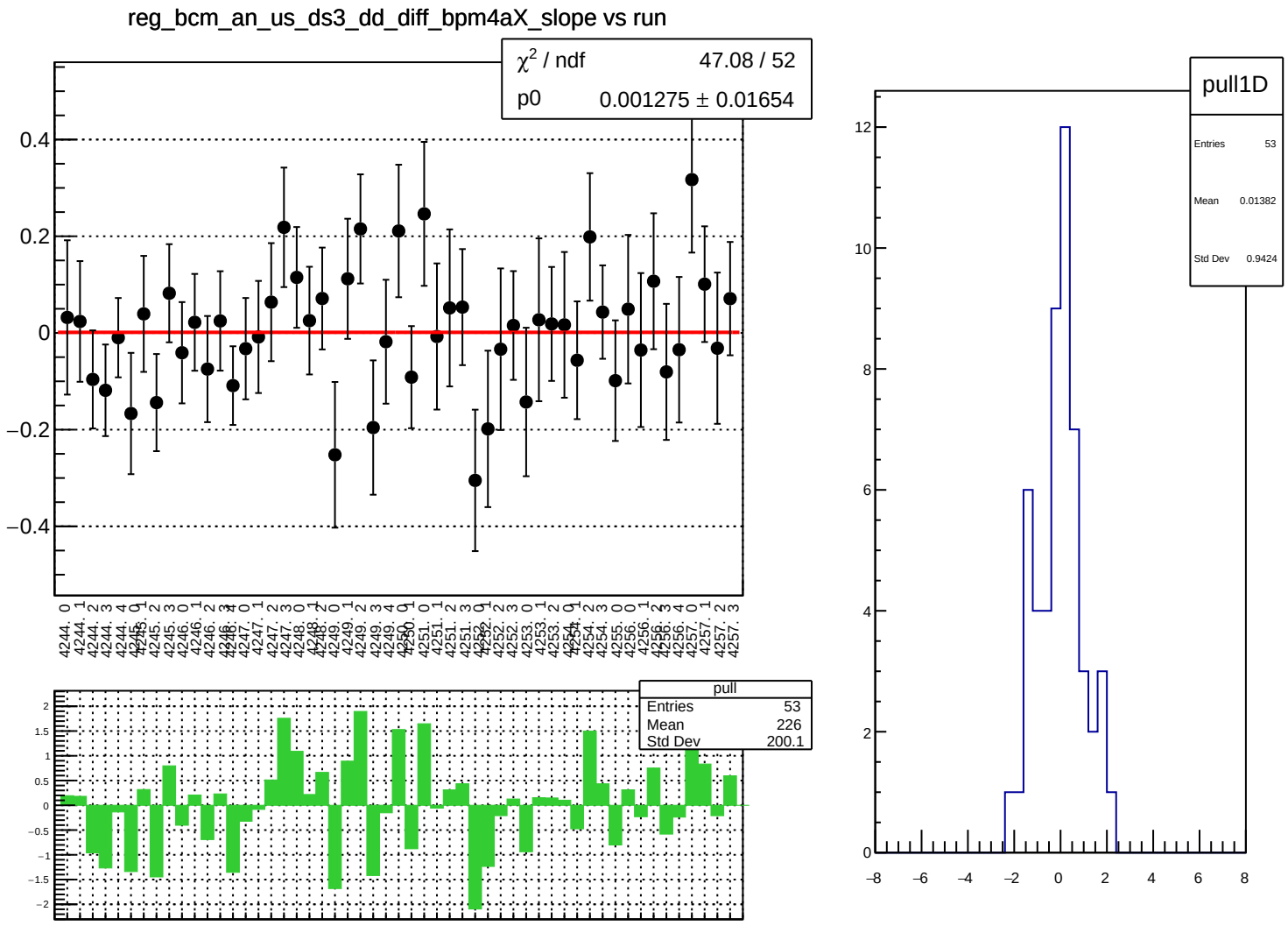

pull1D
Entries 53
Mean 0.4056
Std Dev 2.74

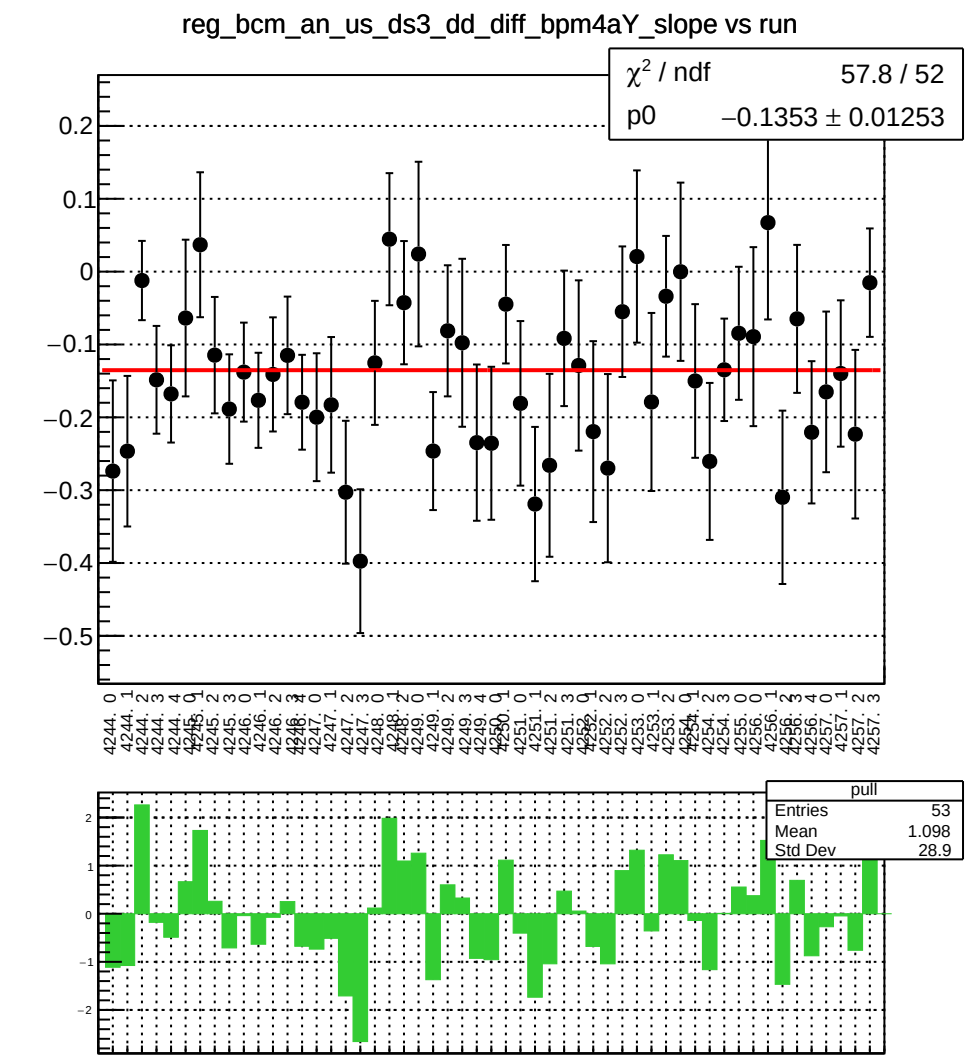

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1278 / 52
p0 −2.018 ± 0.03007
pull
Entries 53
Mean −18.05
Std Dev 43.14
pull1D
Entries 53
Mean −0.8715
Std Dev 4.635

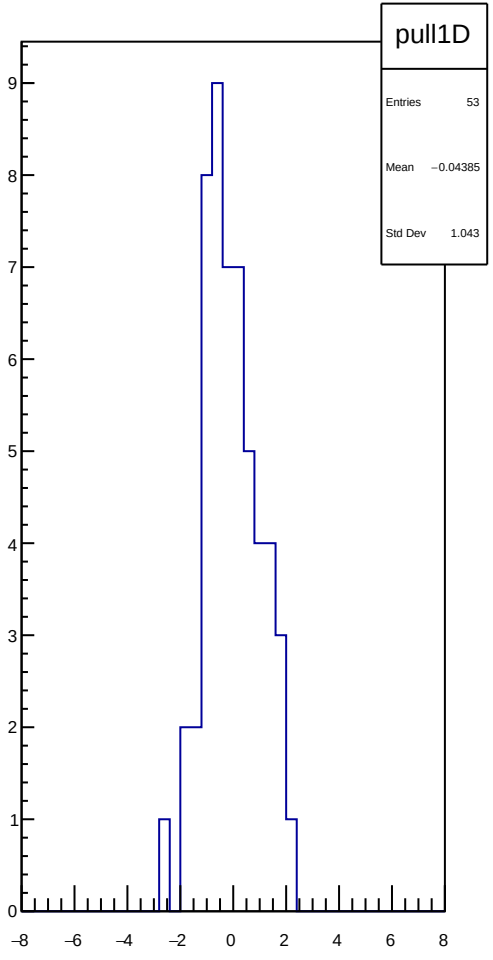

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 404.2 / 52
p0 −11.78 ± 0.1951
pull
Entries 53
Mean 5.748
Std Dev 24.61
pull1D
Entries 53
Mean −0.3984
Std Dev 2.733

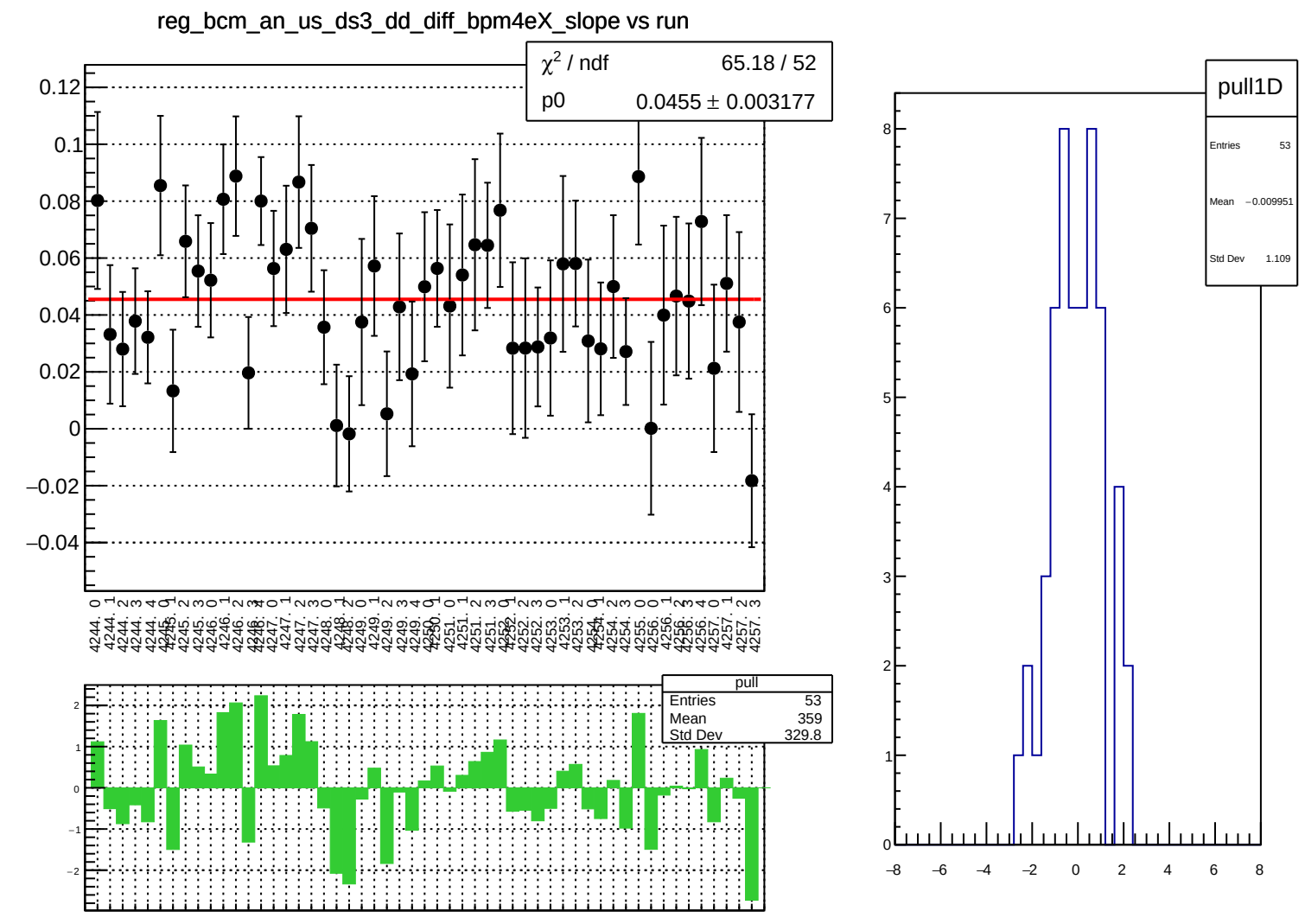

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 77.89 / 52
p0 −0.6737 ± 0.03539
pull
Entries 53
Mean −70.07
Std Dev 101.1

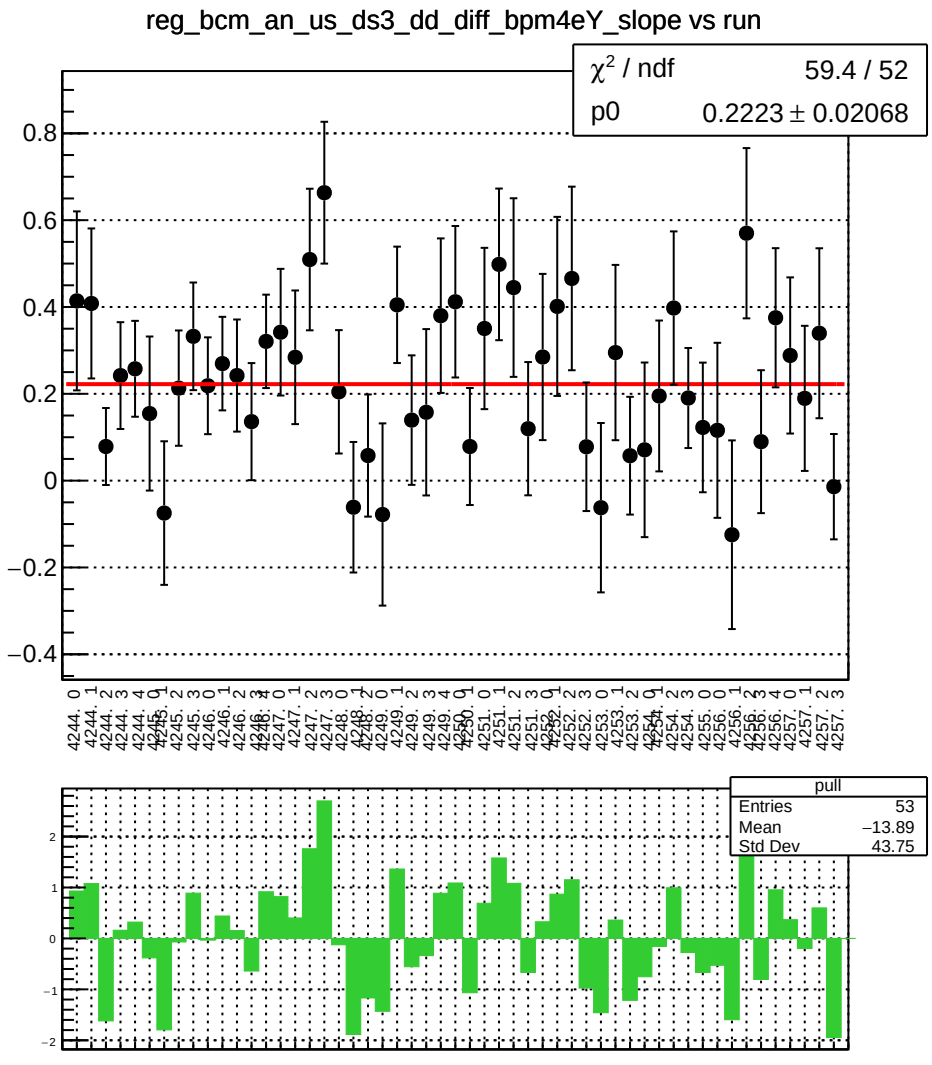

pull1D
Entries 53
Mean −0.05676
Std Dev 1.211

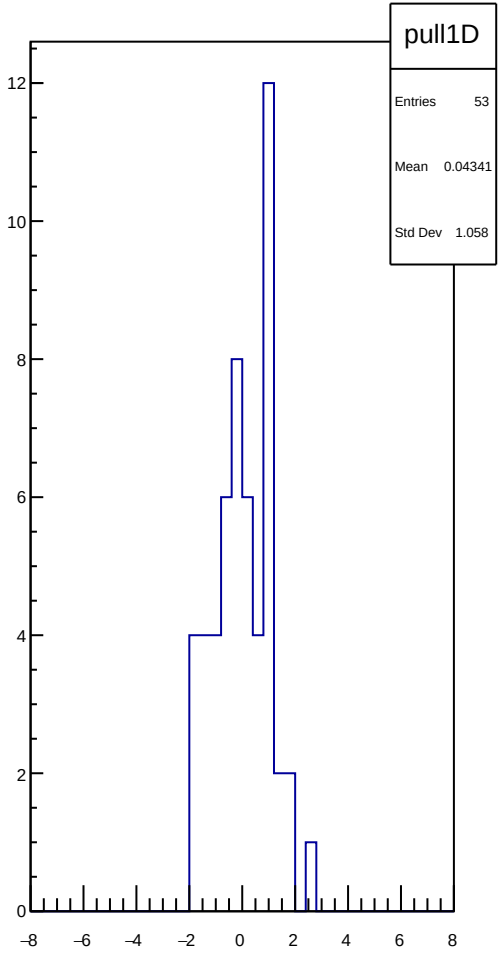

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 47.08 / 52
p0 0.001275 ± 0.01654
pull
Entries 53
Mean 226
Std Dev 200.1
pull1D
Entries 53
Mean 0.01382
Std Dev 0.9424

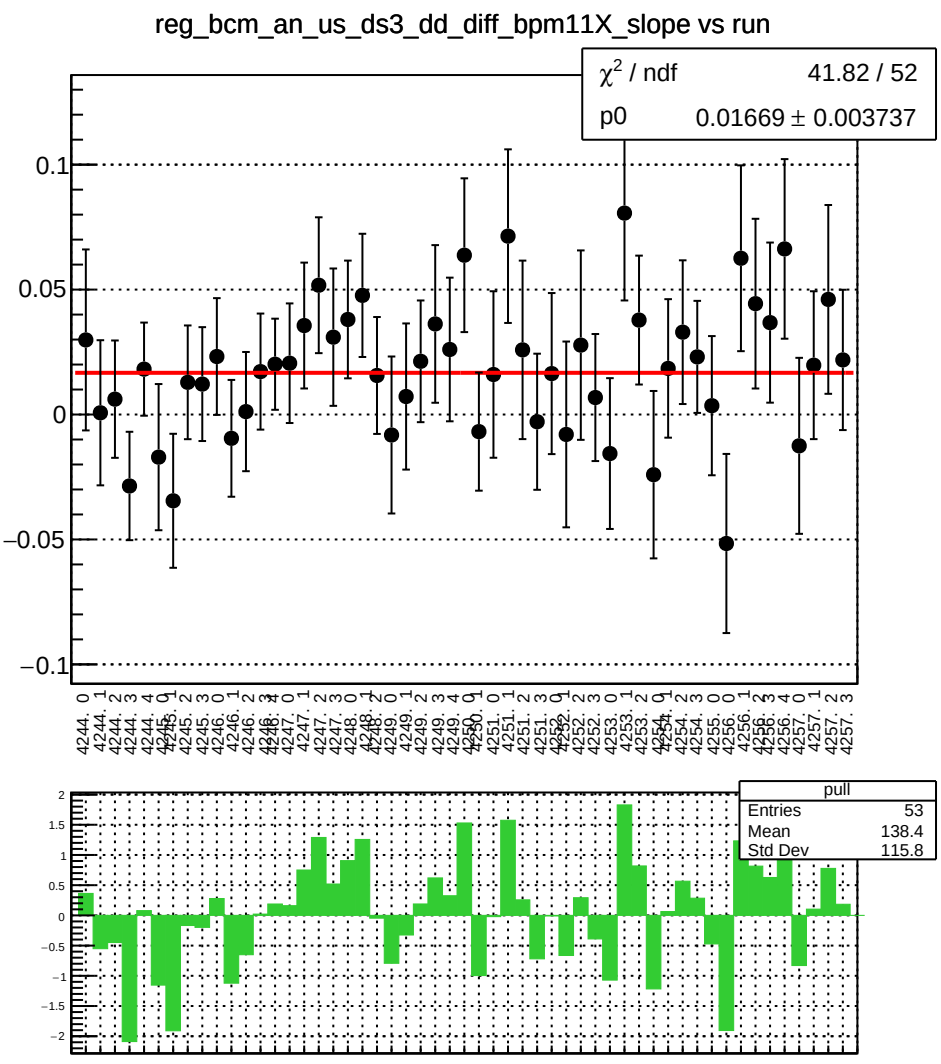

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.8 / 52
p0 −0.1353 ± 0.01253
pull
Entries 53
Mean 1.098
Std Dev 28.9

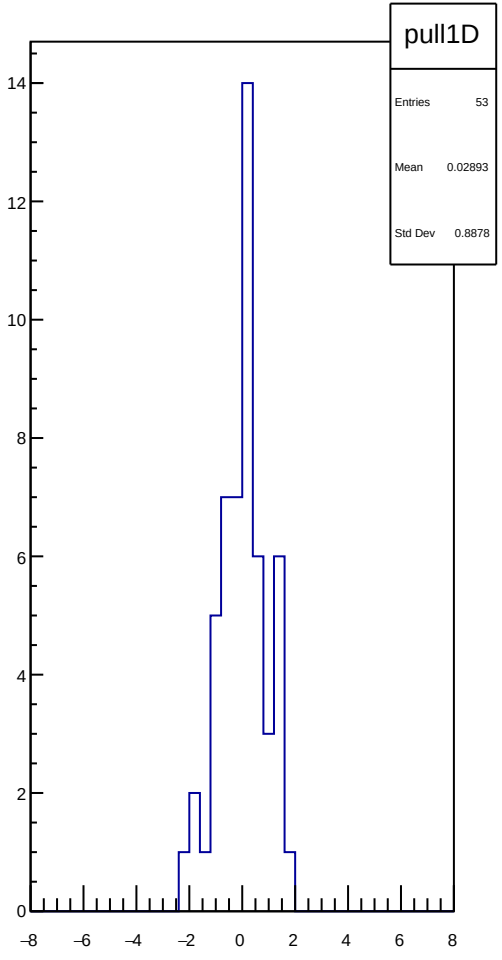

pull1D
Entries 53
Mean −0.04385
Std Dev 1.043

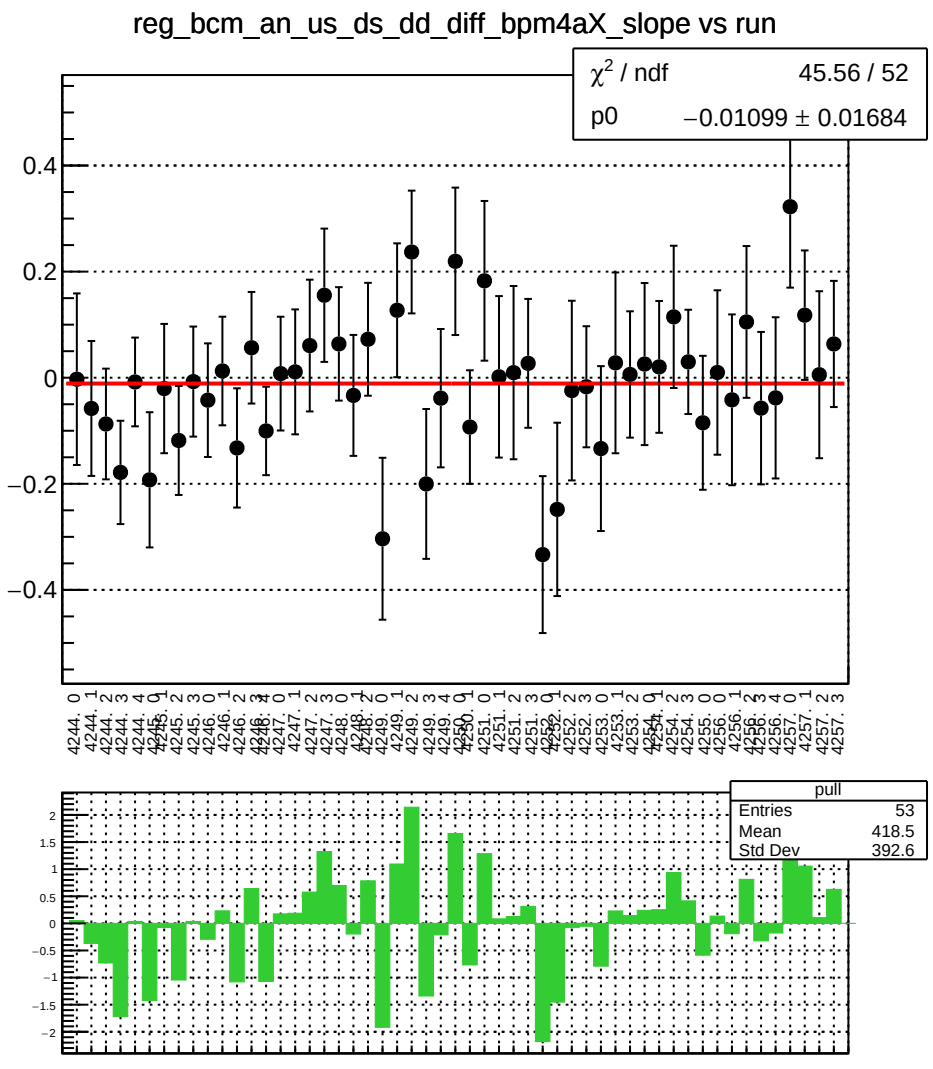

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.18 / 52
p0 0.0455 ± 0.003177
pull
Entries 53
Mean 359
Std Dev 329.8
pull1D
Entries 53
Mean −0.009951
Std Dev 1.109

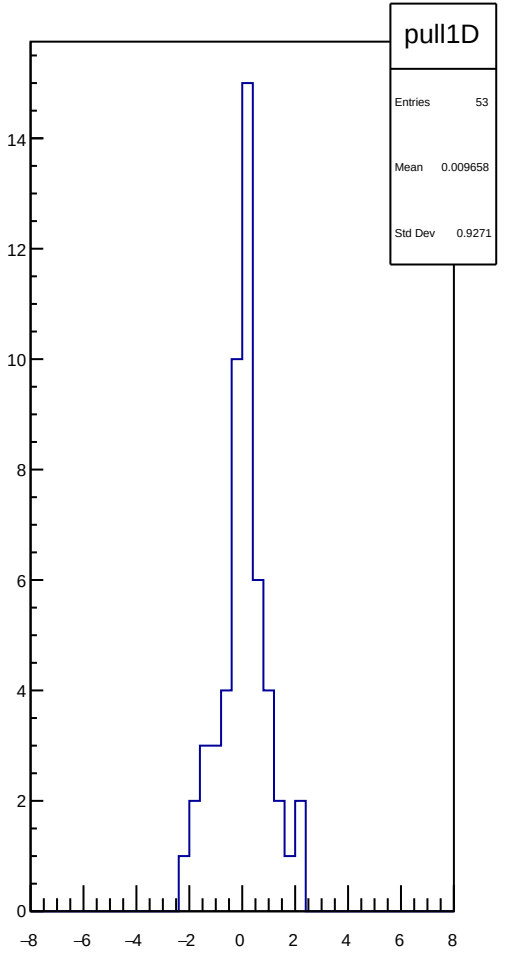

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.4 / 52
p0 0.2223 ± 0.02068
pull
Entries 53
Mean −13.89
Std Dev 43.75

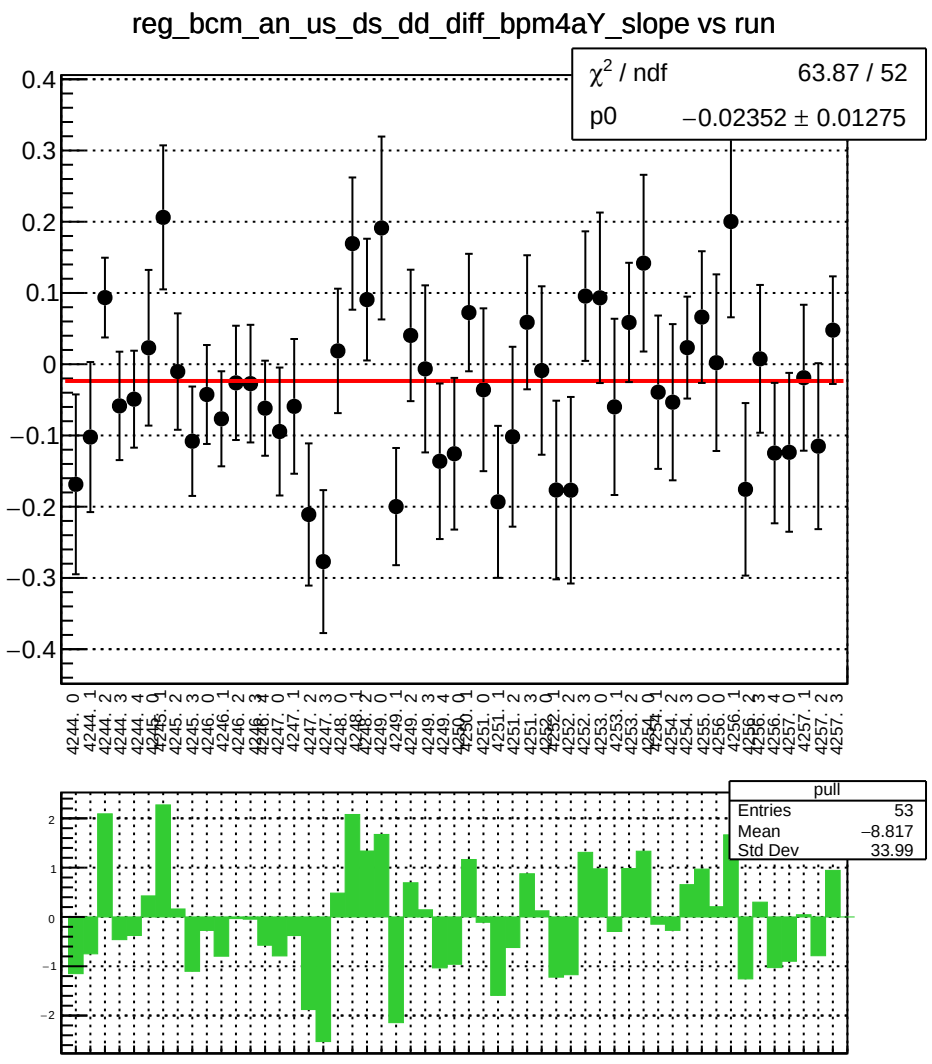

pull1D
Entries 53
Mean 0.04341
Std Dev 1.058

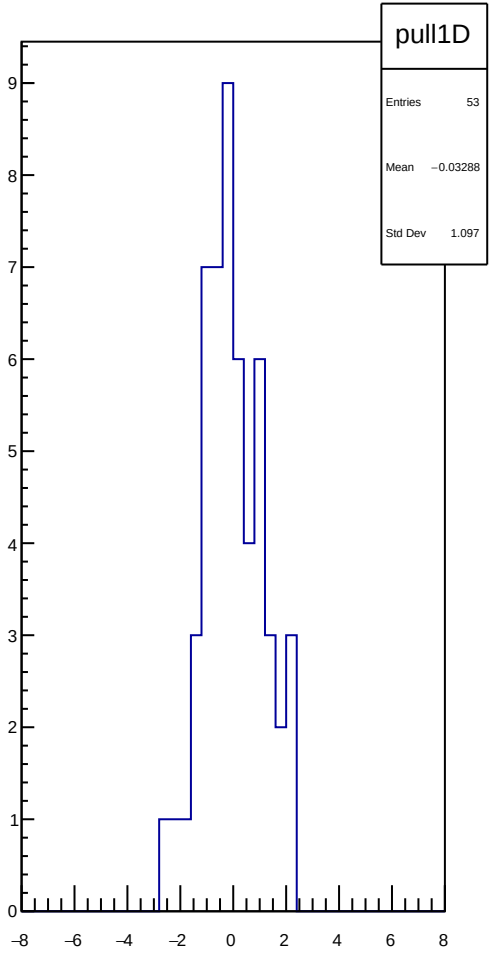

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 41.82 / 52
p0 0.01669 ± 0.003737
pull
Entries 53
Mean 138.4
Std Dev 115.8

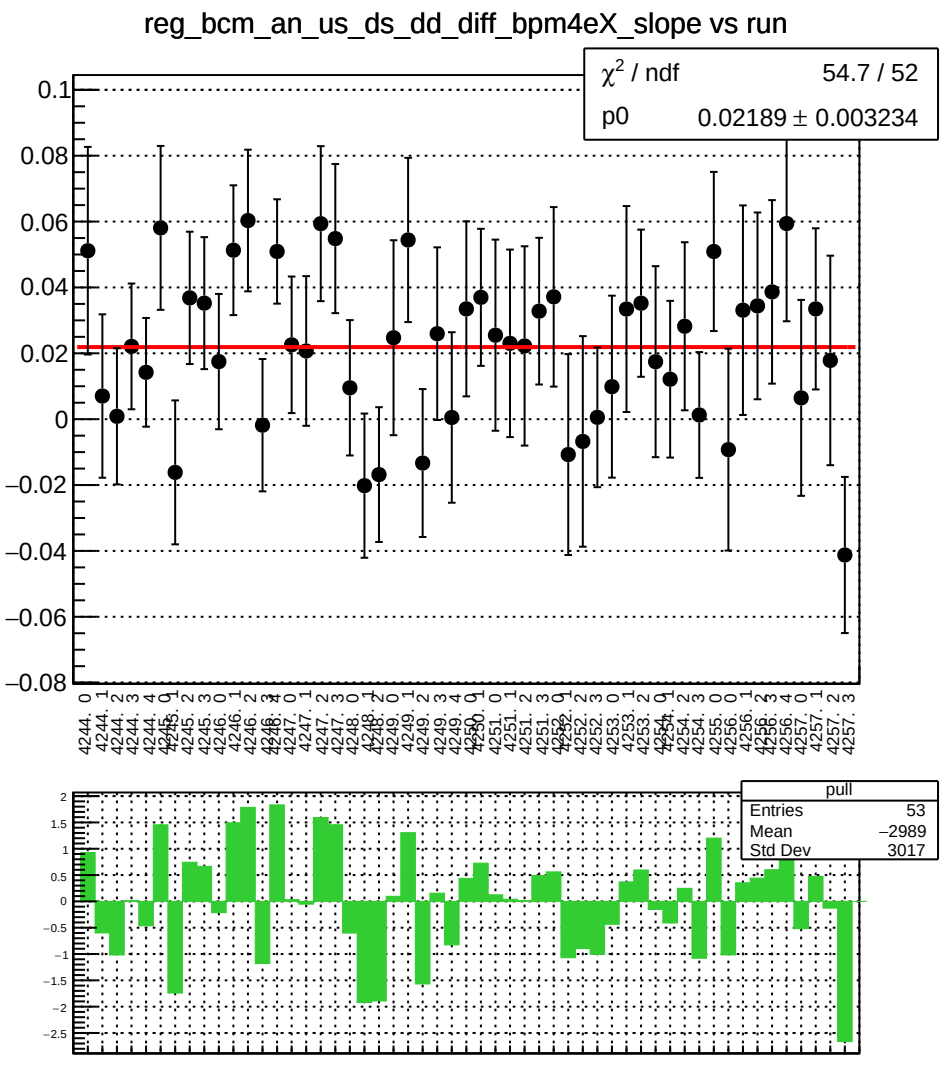

pull1D
Entries 53
Mean 0.02893
Std Dev 0.8878

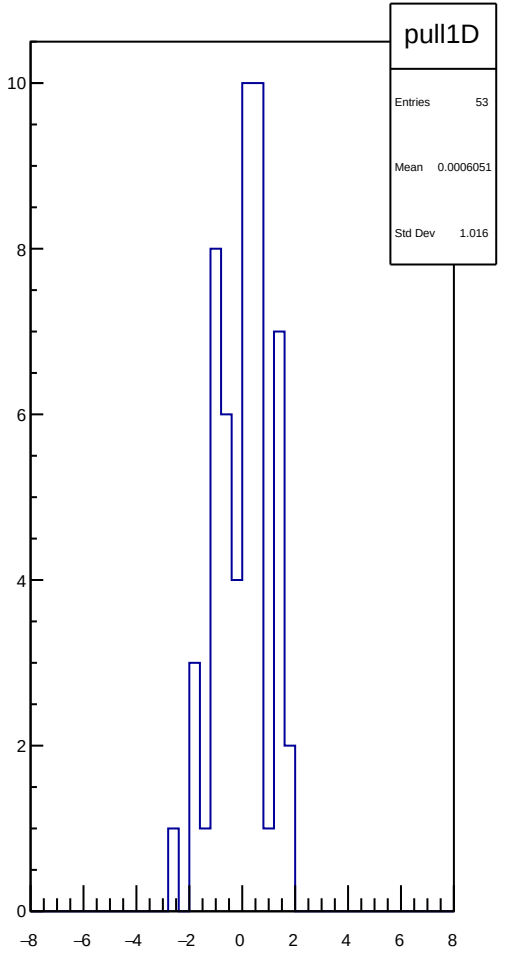

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 45.56 / 52
p0 −0.01099 ± 0.01684
pull
Entries 53
Mean 418.5
Std Dev 392.6

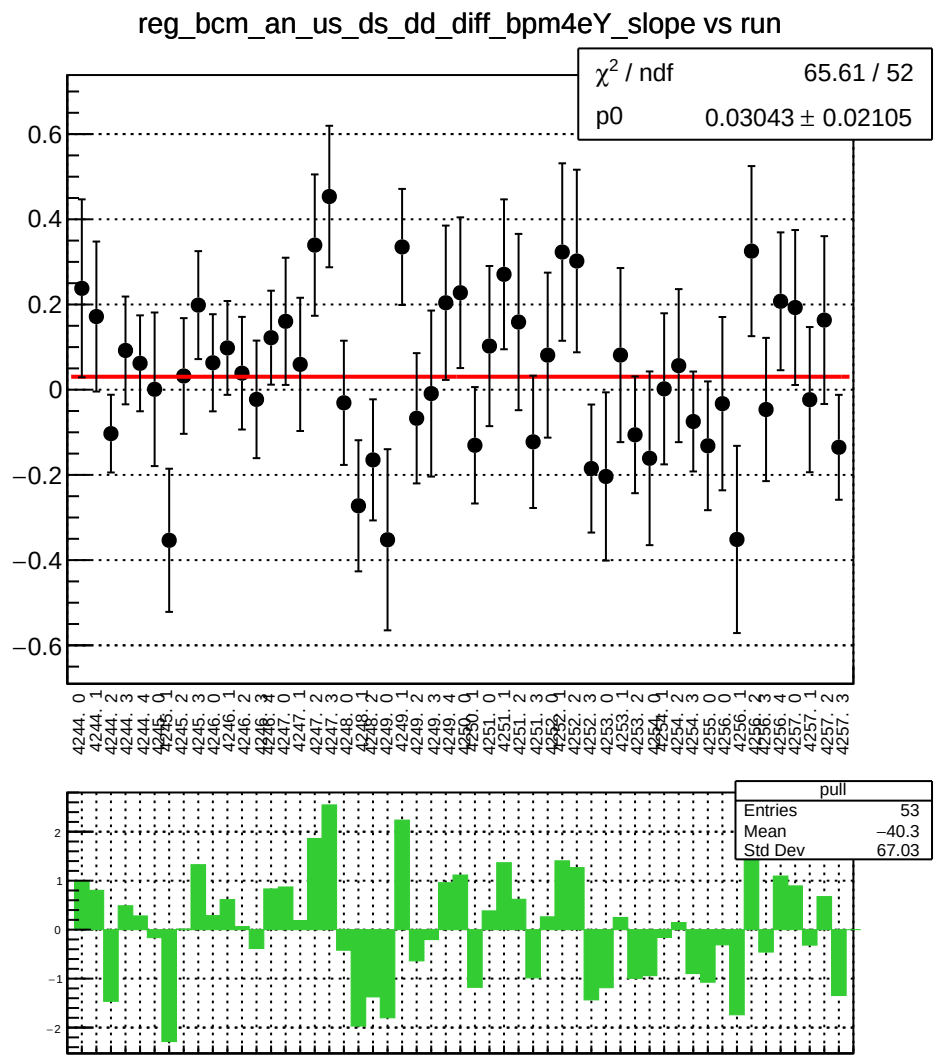

pull1D
Entries 53
Mean 0.009658
Std Dev 0.9271

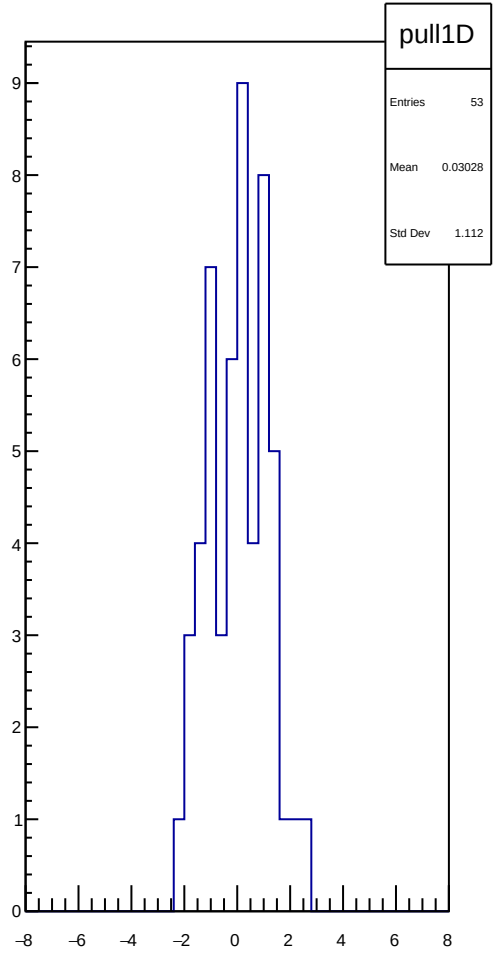

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.87 / 52
p0 −0.02352 ± 0.01275
pull
Entries 53
Mean −8.817
Std Dev 33.99

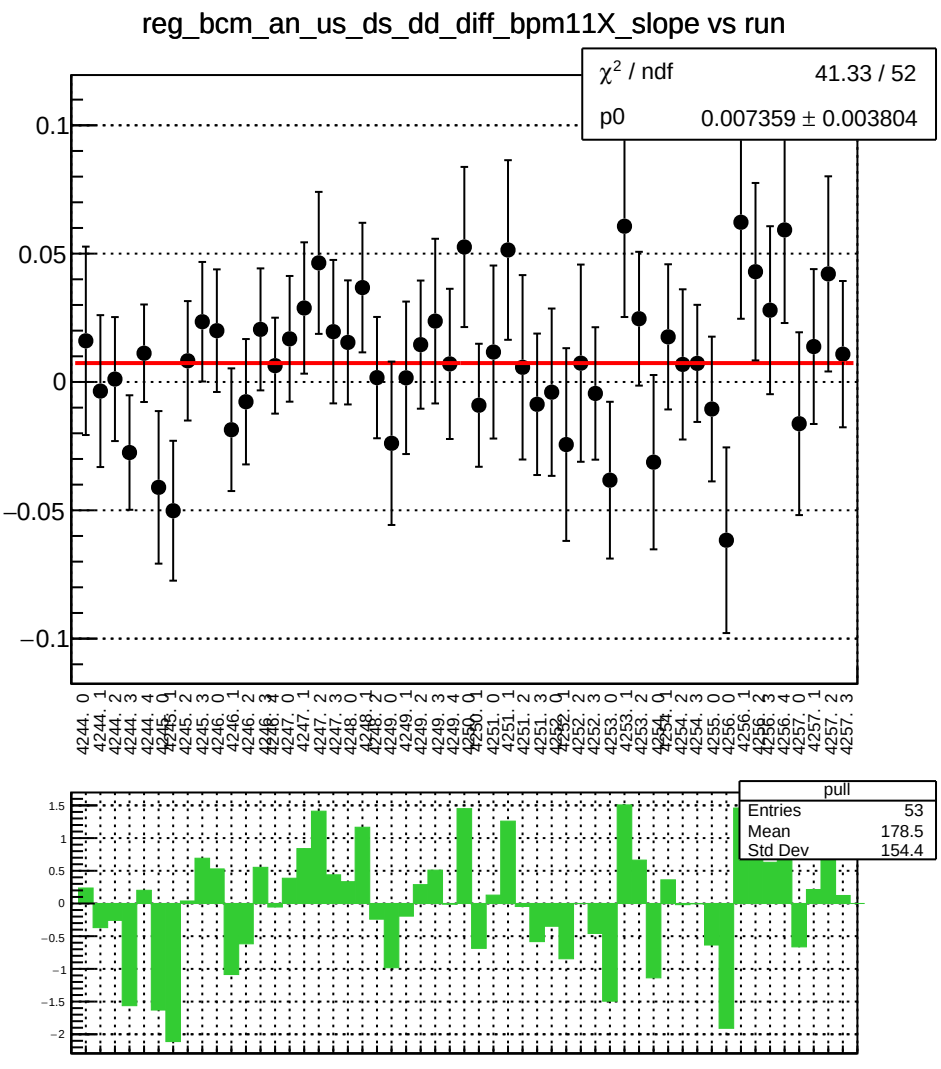

pull1D
Entries 53
Mean −0.03288
Std Dev 1.097

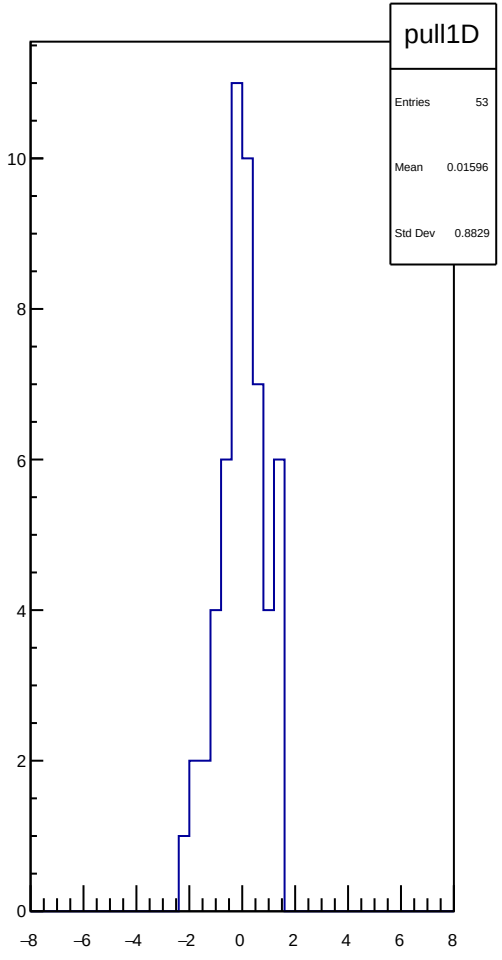

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.7 / 52
p0 0.02189 ± 0.003234
pull
Entries 53
Mean −2989
Std Dev 3017

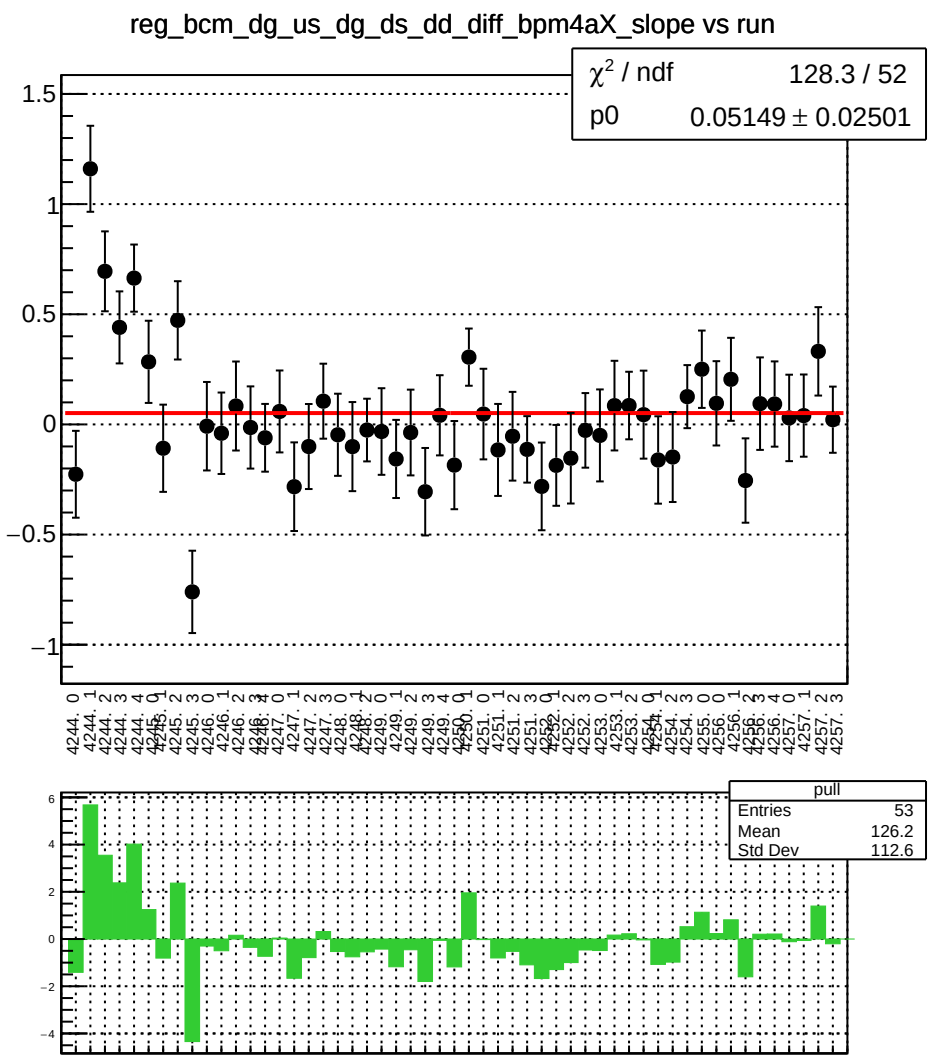

pull1D
Entries 53
Mean 0.0006051
Std Dev 1.016

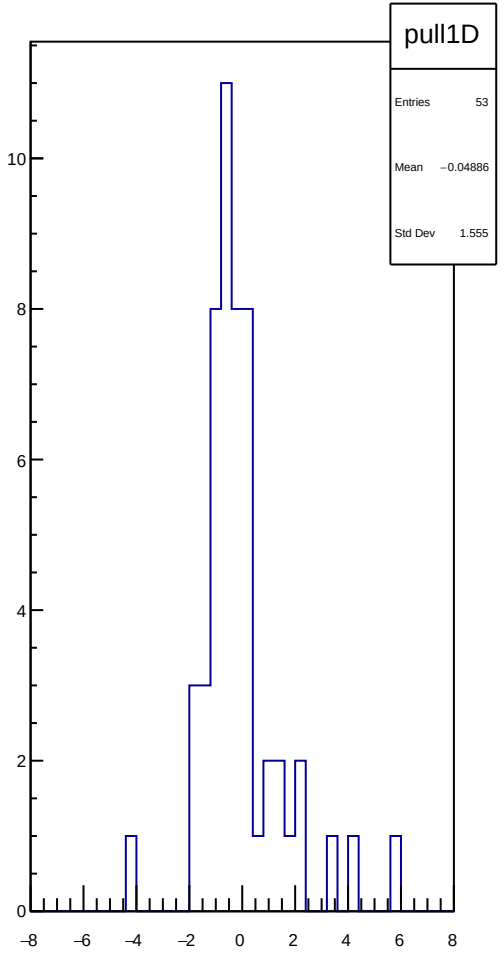

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.61 / 52
p0 0.03043 ± 0.02105
pull
Entries 53
Mean −40.3
Std Dev 67.03

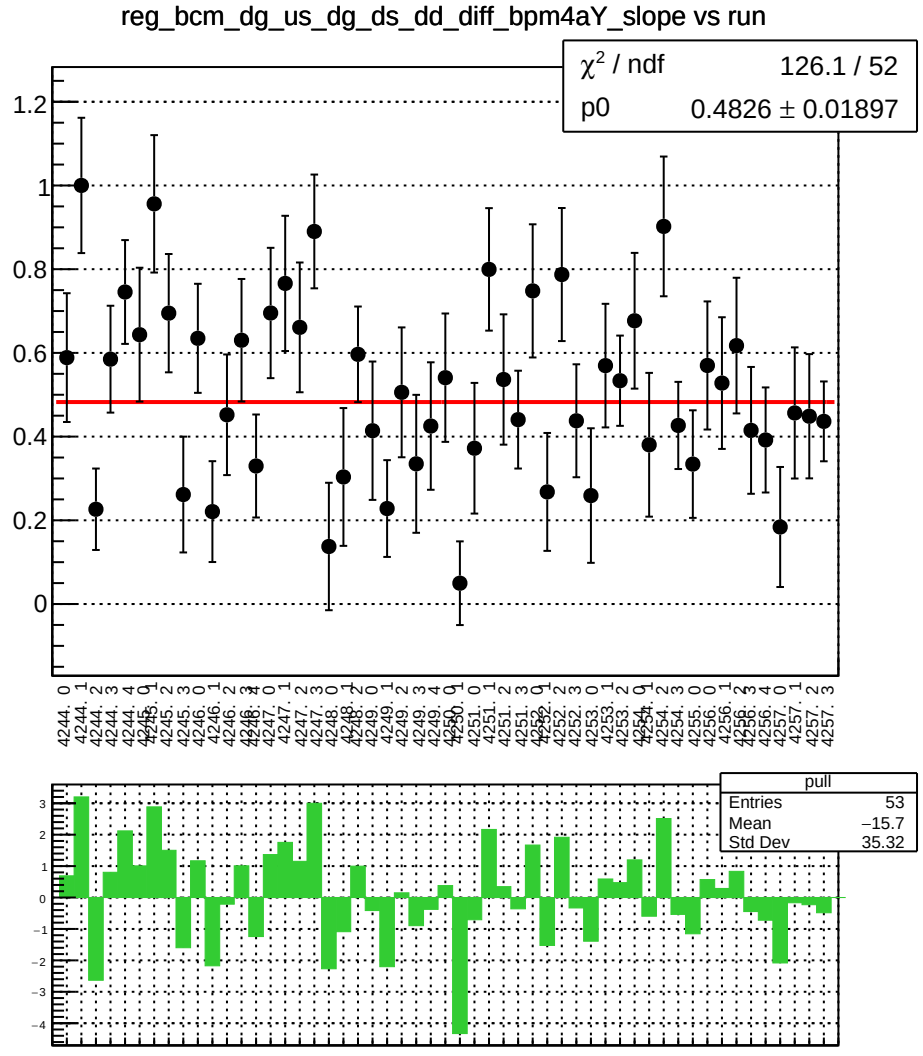

pull1D
Entries 53
Mean 0.03028
Std Dev 1.112

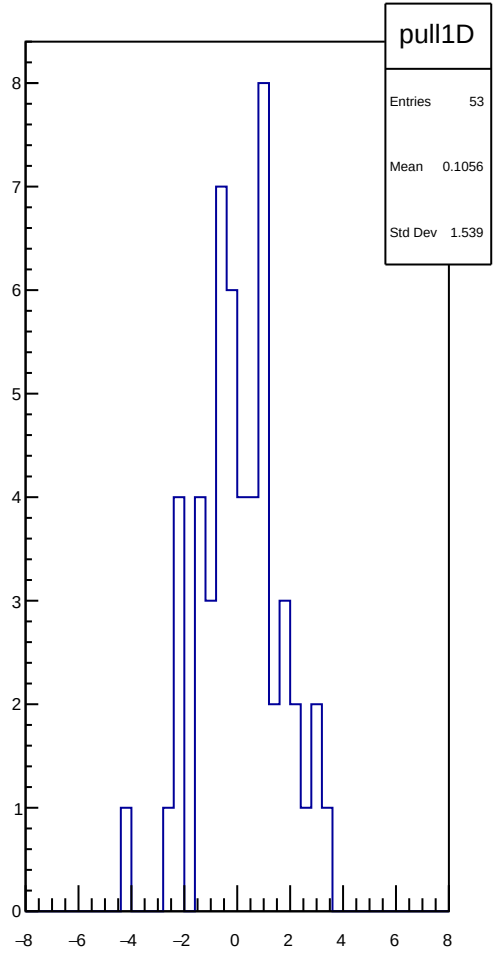

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 41.33 / 52
p0 0.007359 ± 0.003804
pull
Entries 53
Mean 178.5
Std Dev 154.4

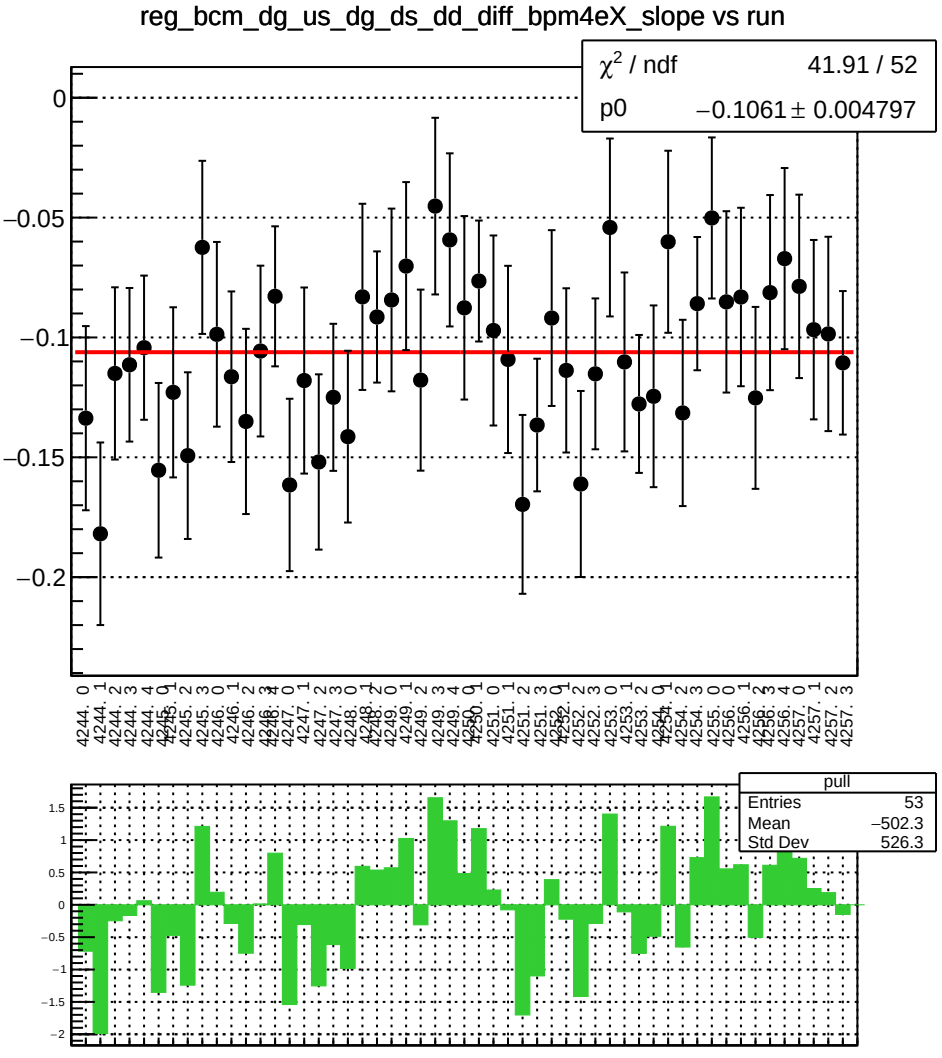

pull1D
Entries 53
Mean 0.01596
Std Dev 0.8829

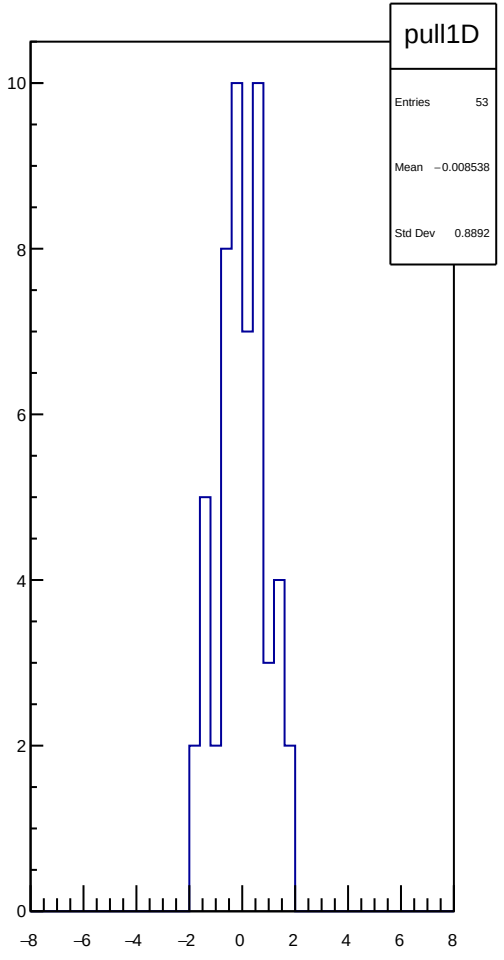

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 128.3 / 52
p0 0.05149 ± 0.02501
pull
Entries 53
Mean 126.2
Std Dev 112.6

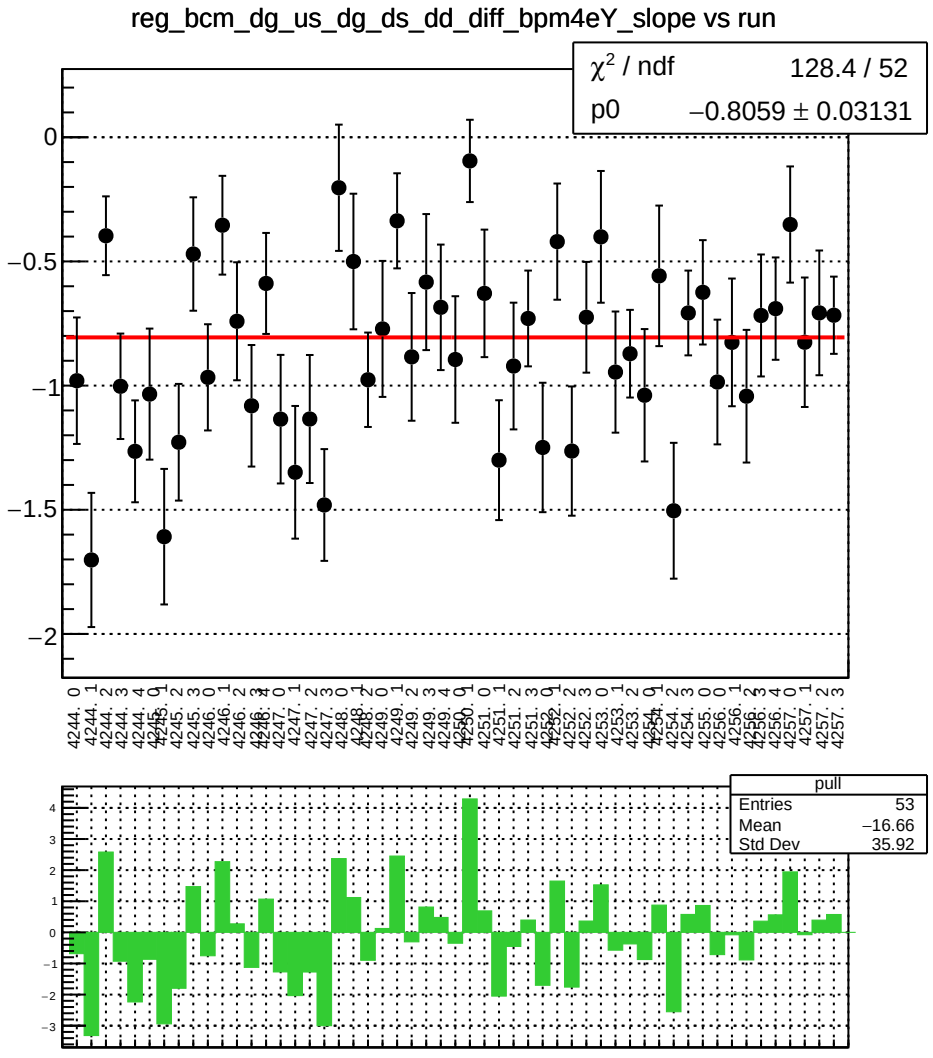

pull1D
Entries 53
Mean −0.04886
Std Dev 1.555

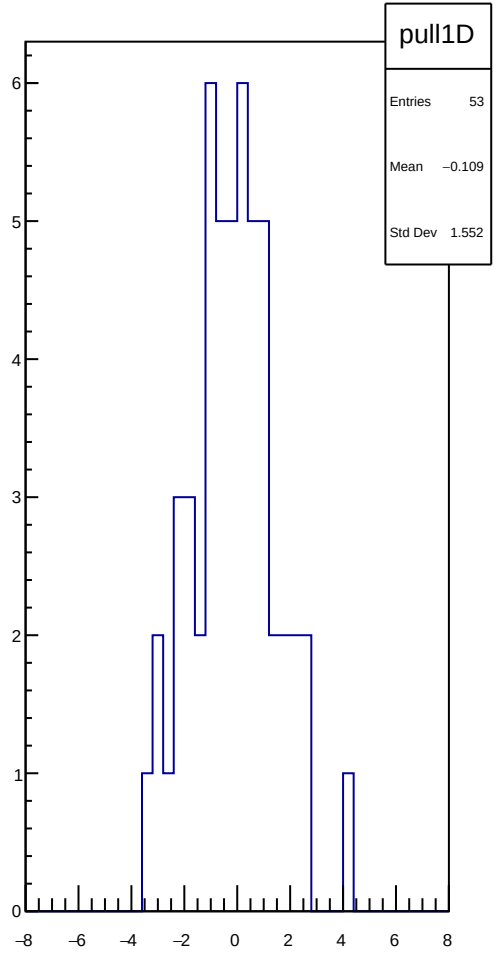

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 126.1 / 52
p0 0.4826 ± 0.01897
pull
Entries 53
Mean −15.7
Std Dev 35.32

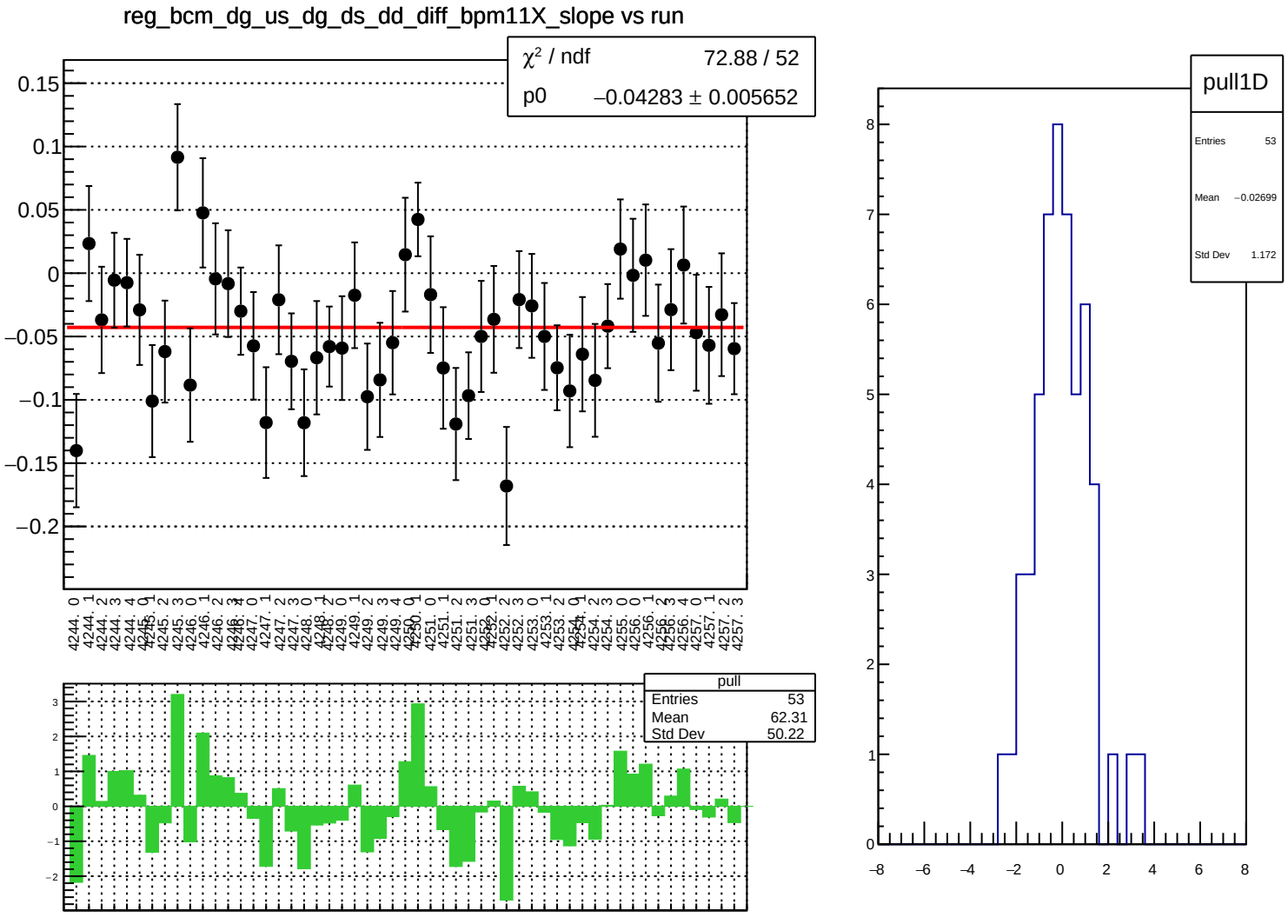

pull1D
Entries 53
Mean 0.1056
Std Dev 1.539

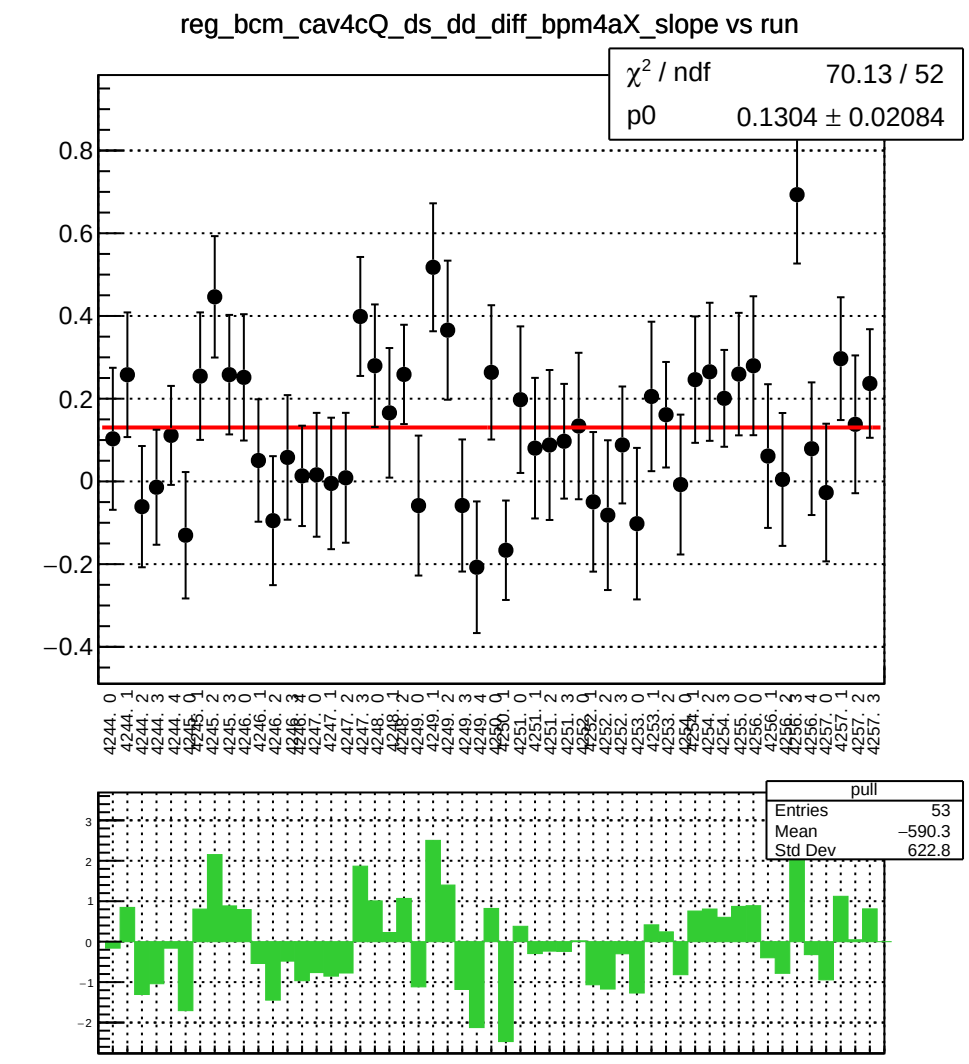

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.91 / 52
p0 −0.1061 ± 0.004797
pull
Entries 53
Mean −502.3
Std Dev 526.3

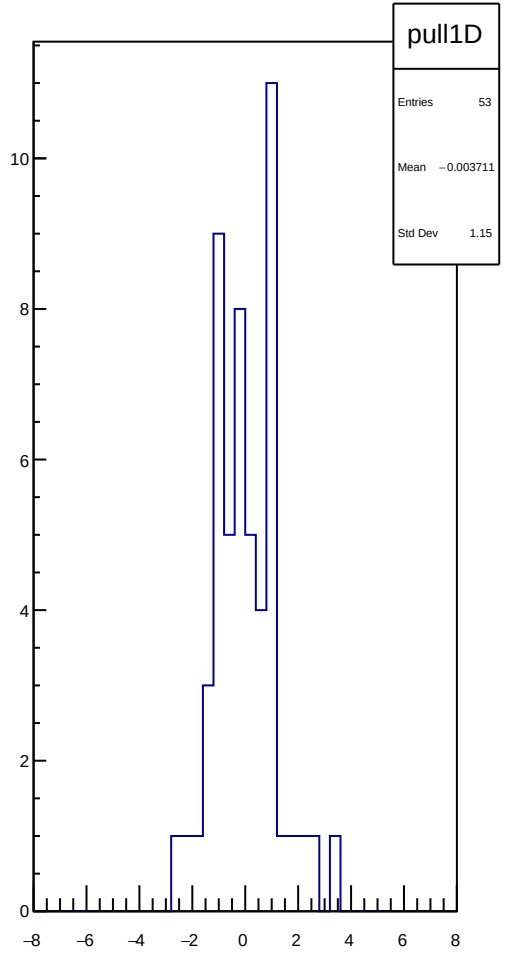

pull1D
Entries 53
Mean −0.008538
Std Dev 0.8892

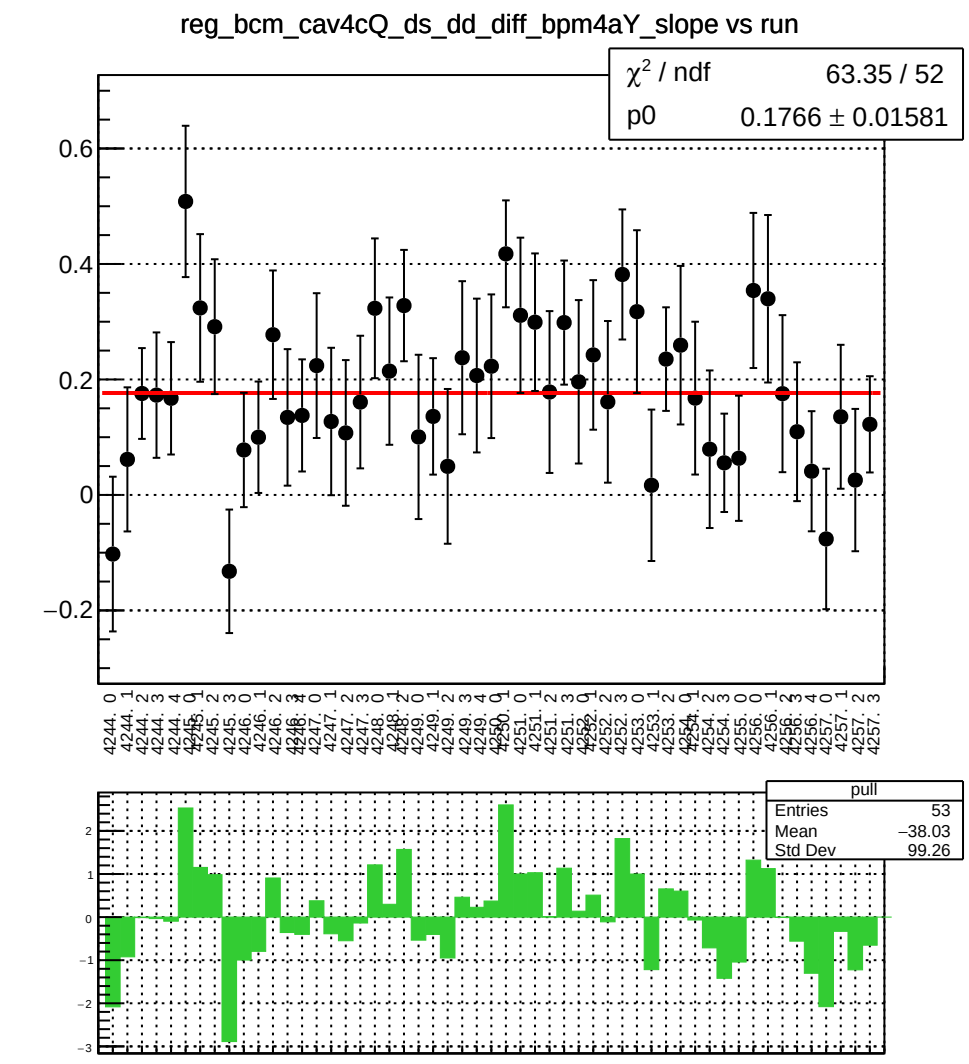

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 128.4 / 52
p0 −0.8059 ± 0.03131
pull
Entries 53
Mean −16.66
Std Dev 35.92

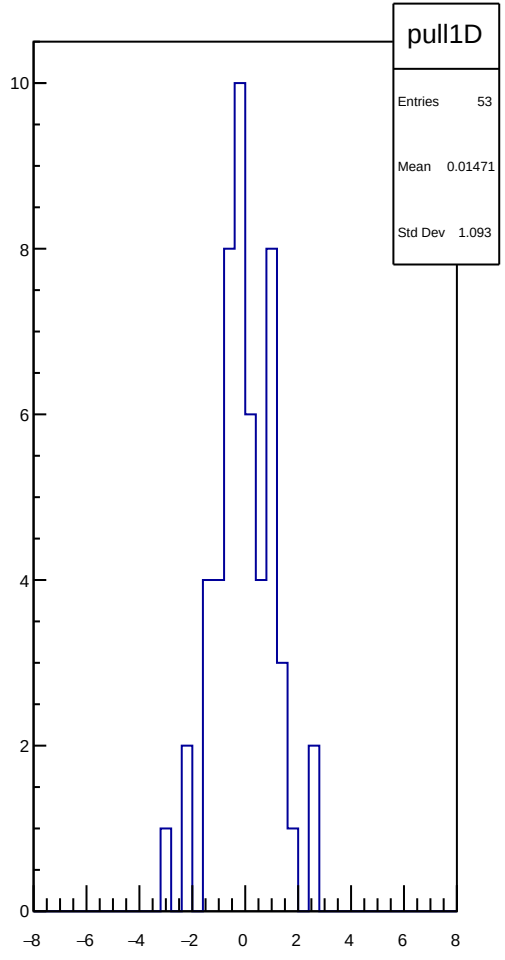

pull1D
Entries 53
Mean −0.109
Std Dev 1.552

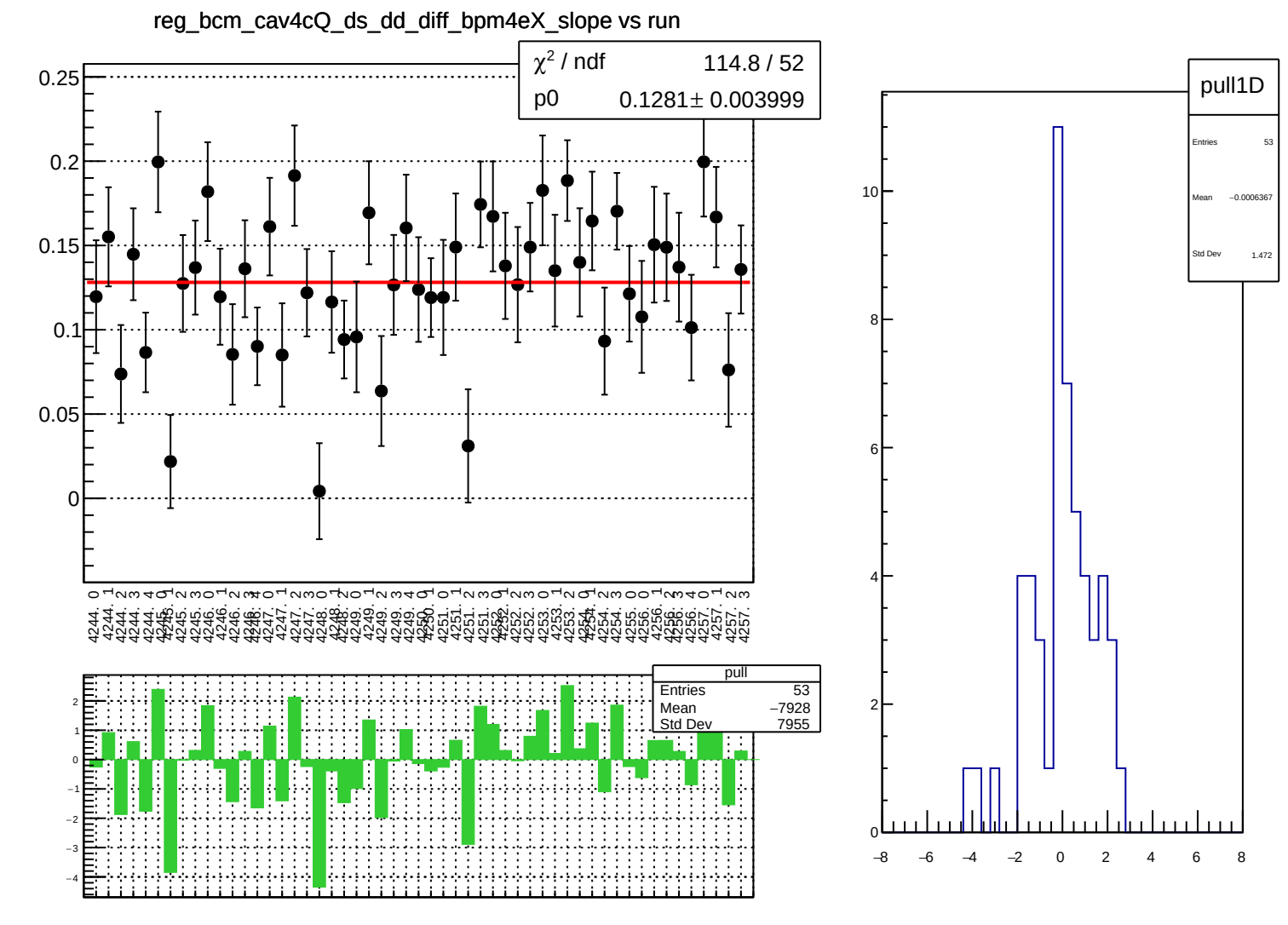

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 72.88 / 52
p0 −0.04283 ± 0.005652
pull
Entries 53
Mean 62.31
Std Dev 50.22
pull1D
Entries 53
Mean −0.02699
Std Dev 1.172

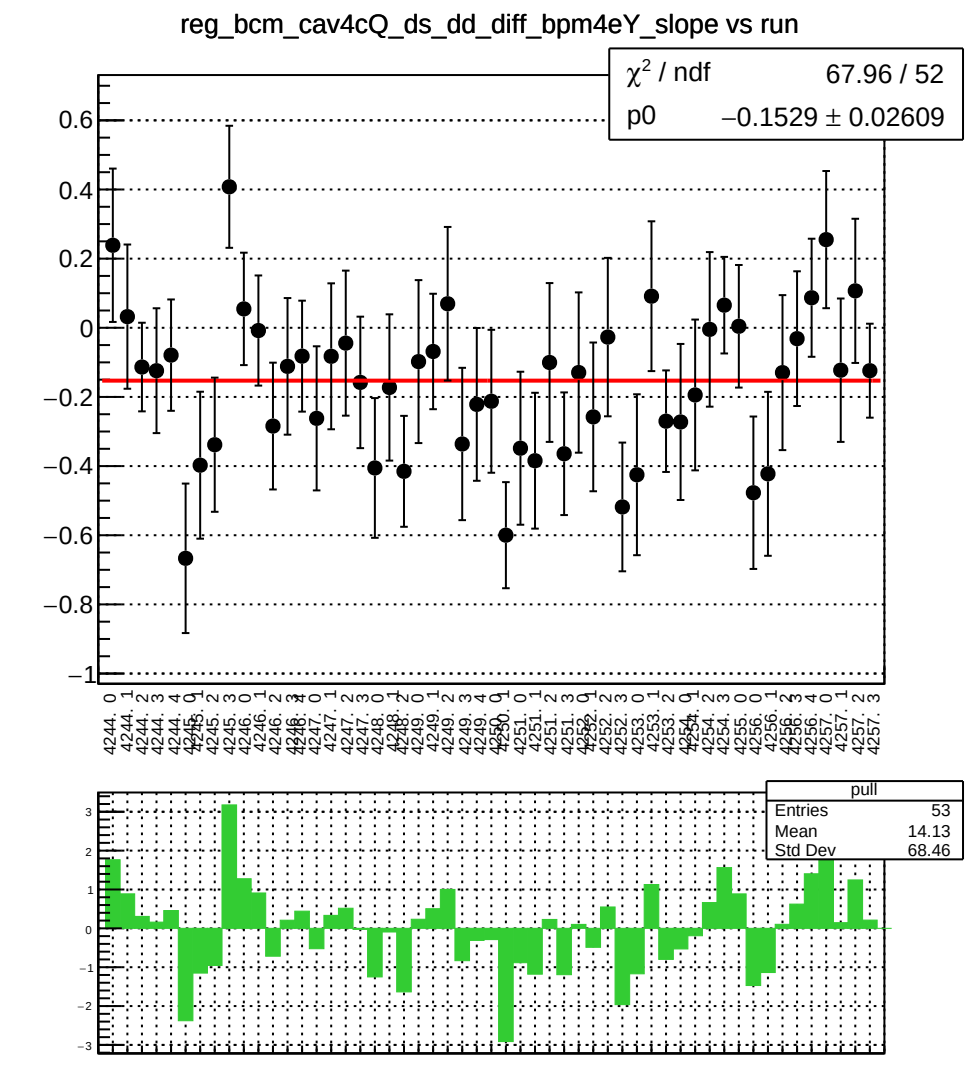

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 70.13 / 52
p0 0.1304 ± 0.02084
pull
Entries 53
Mean −590.3
Std Dev 622.8

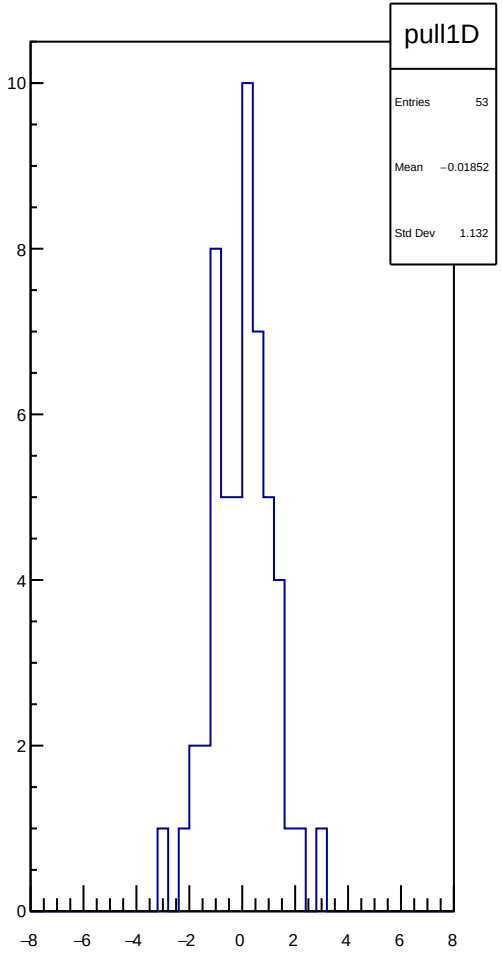

pull1D
Entries 53
Mean −0.003711
Std Dev 1.15

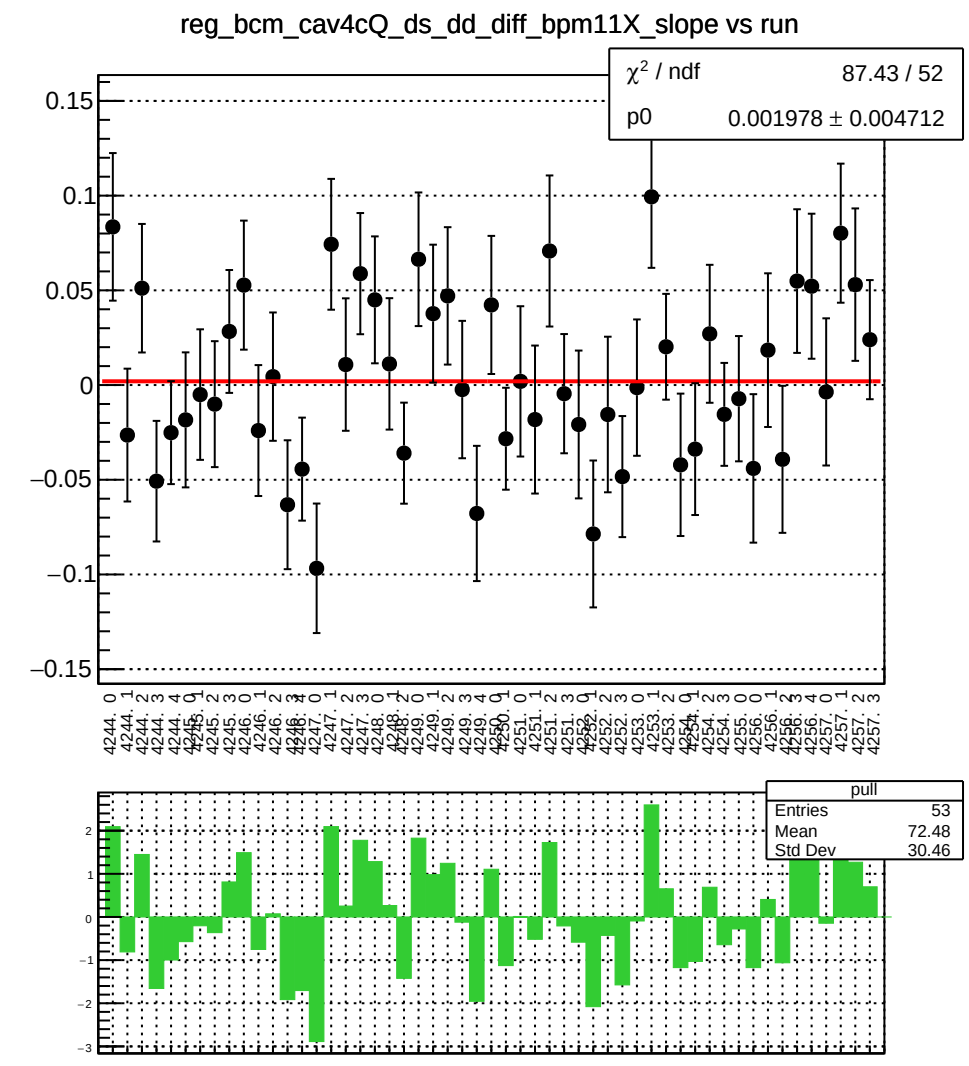

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 63.35 / 52
p0 0.1766 ± 0.01581
pull
Entries 53
Mean −38.03
Std Dev 99.26

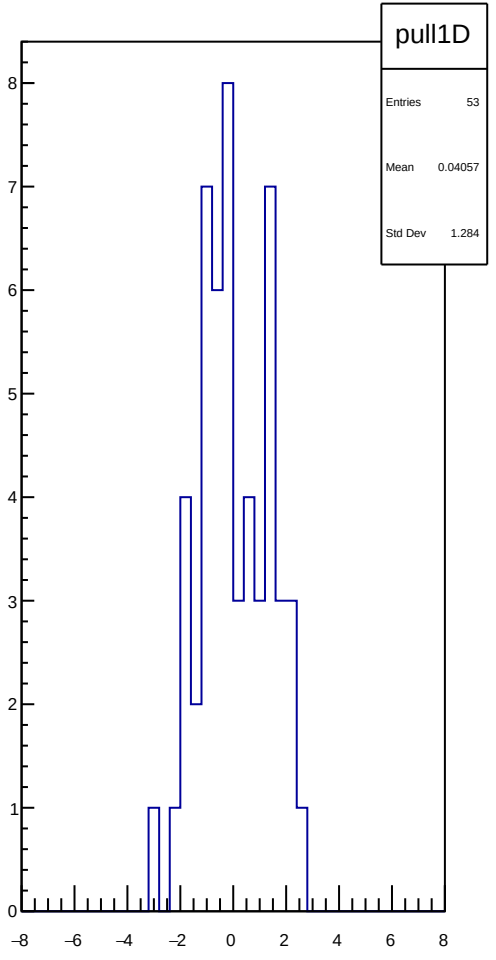

pull1D
Entries 53
Mean 0.01471
Std Dev 1.093

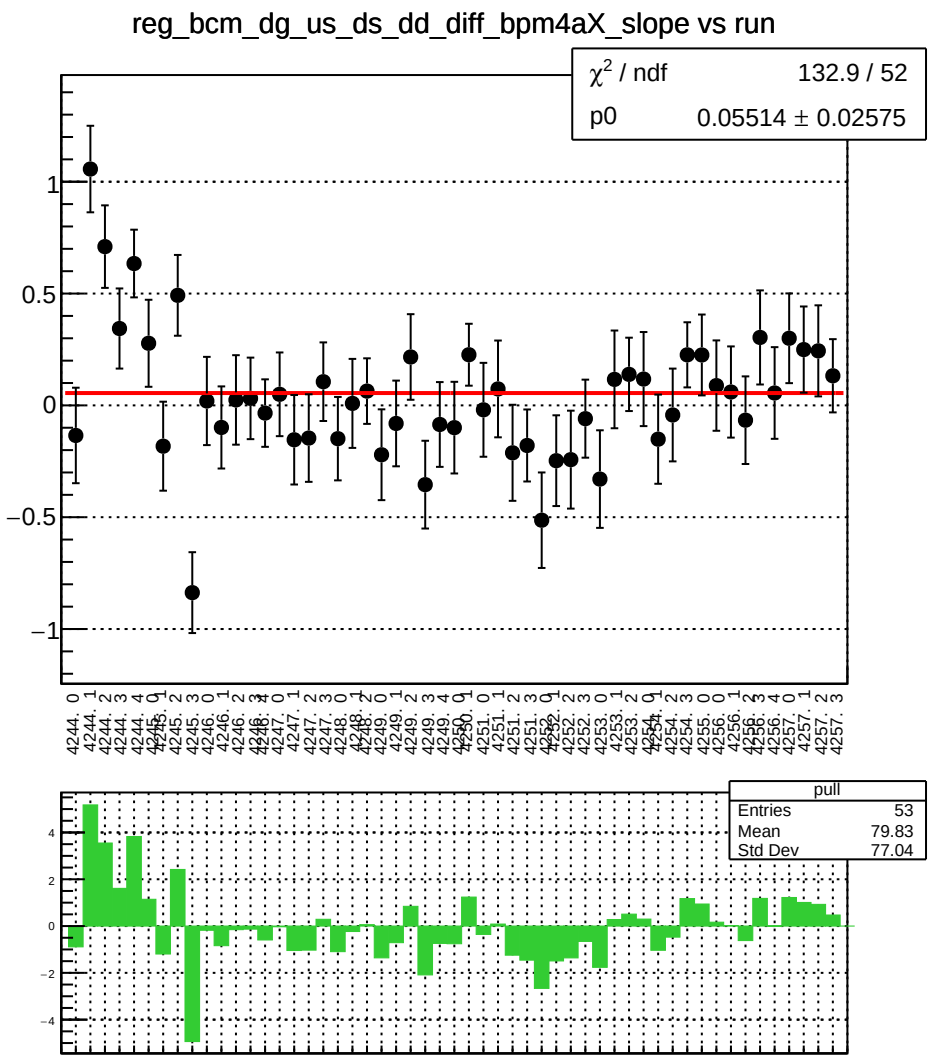

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 114.8 / 52
p0 0.1281± 0.003999
pull
Entries 53
Mean −7928
Std Dev 7955
pull1D
Entries 53
Mean −0.0006367
Std Dev 1.472

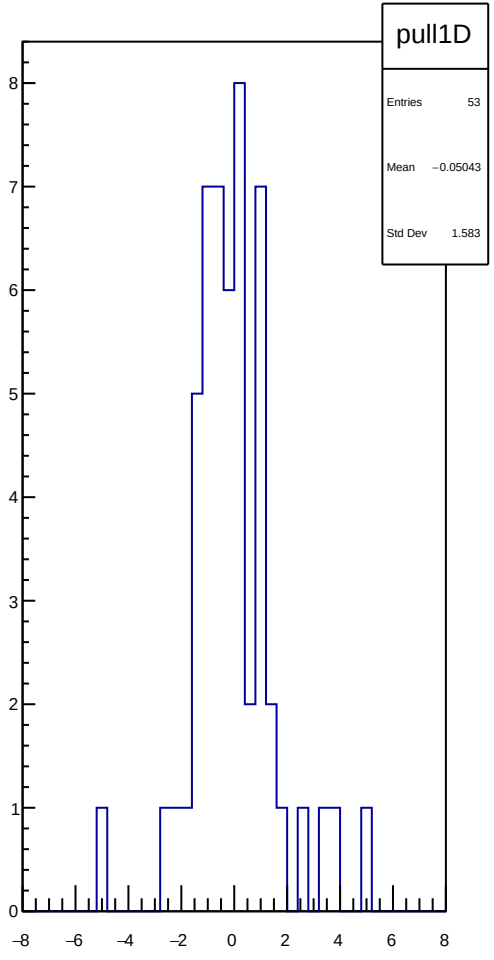

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.96 / 52
p0 −0.1529 ± 0.02609
pull
Entries 53
Mean 14.13
Std Dev 68.46

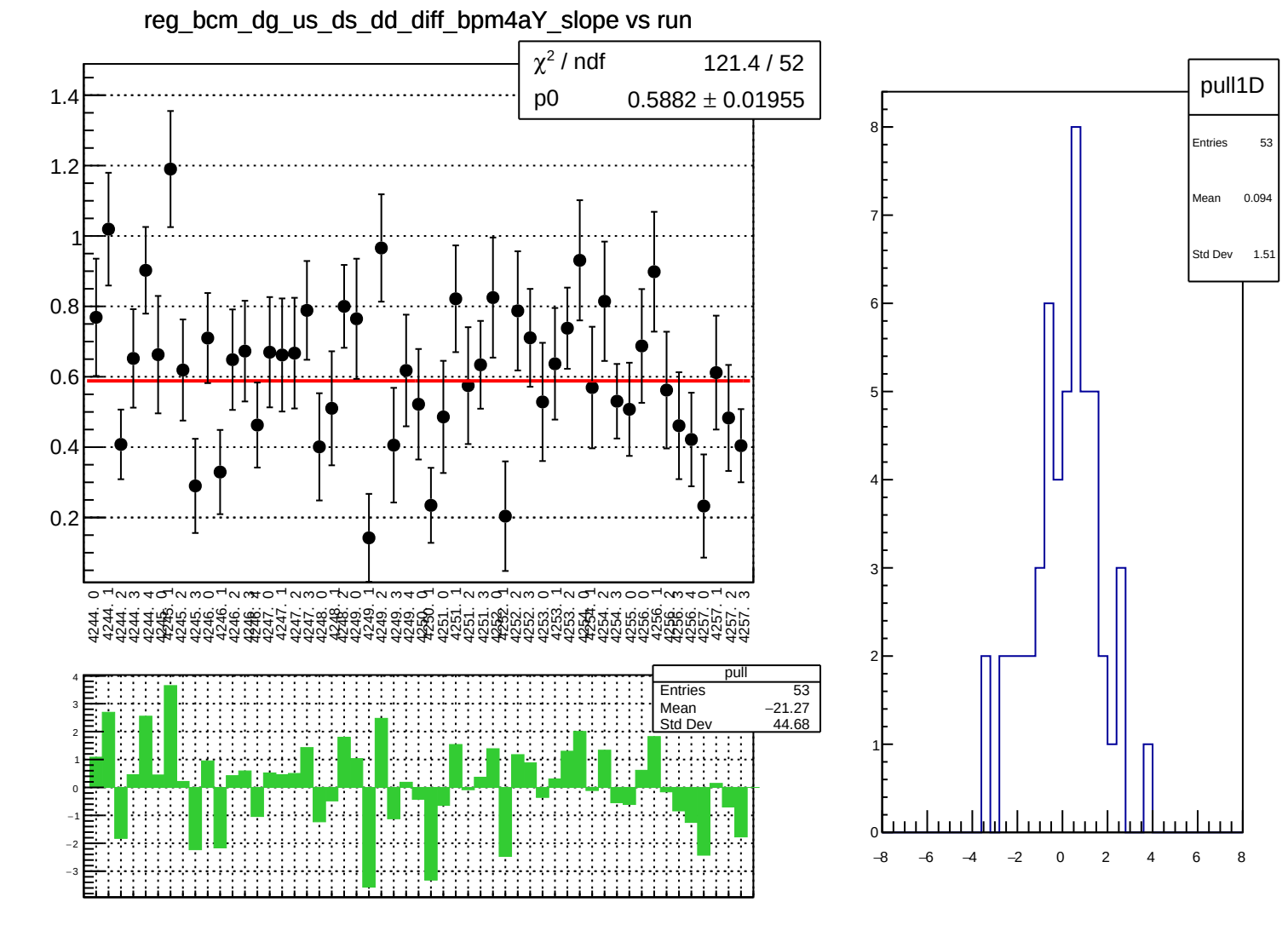

pull1D
Entries 53
Mean −0.01852
Std Dev 1.132

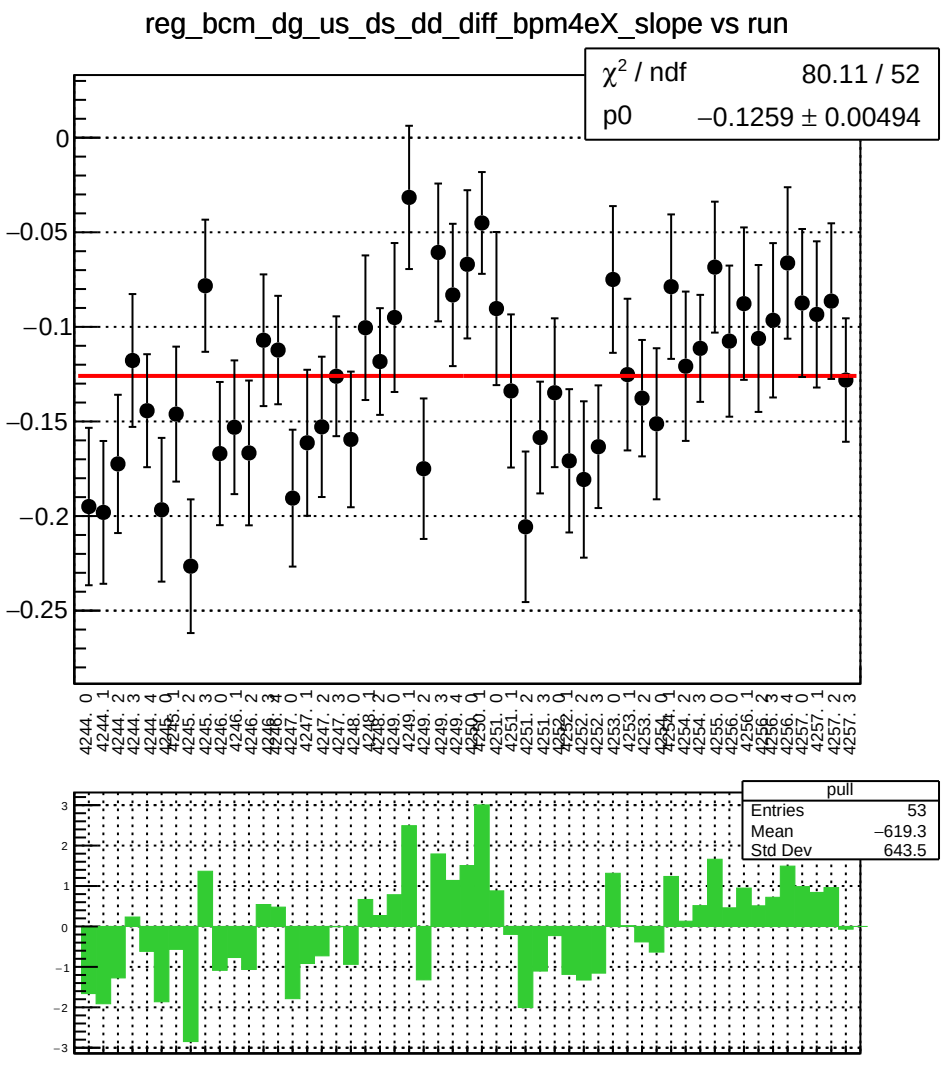

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 87.43 / 52
p0 0.001978 ± 0.004712
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 53
Mean 72.48
Std Dev 30.46
2
1
0
−1
−2
−3

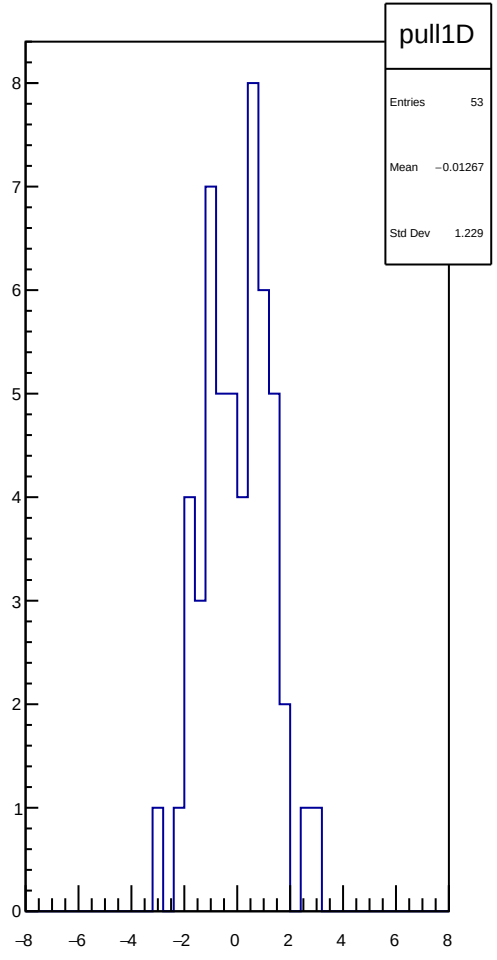

pull1D
Entries 53
Mean 0.04057
Std Dev 1.284
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

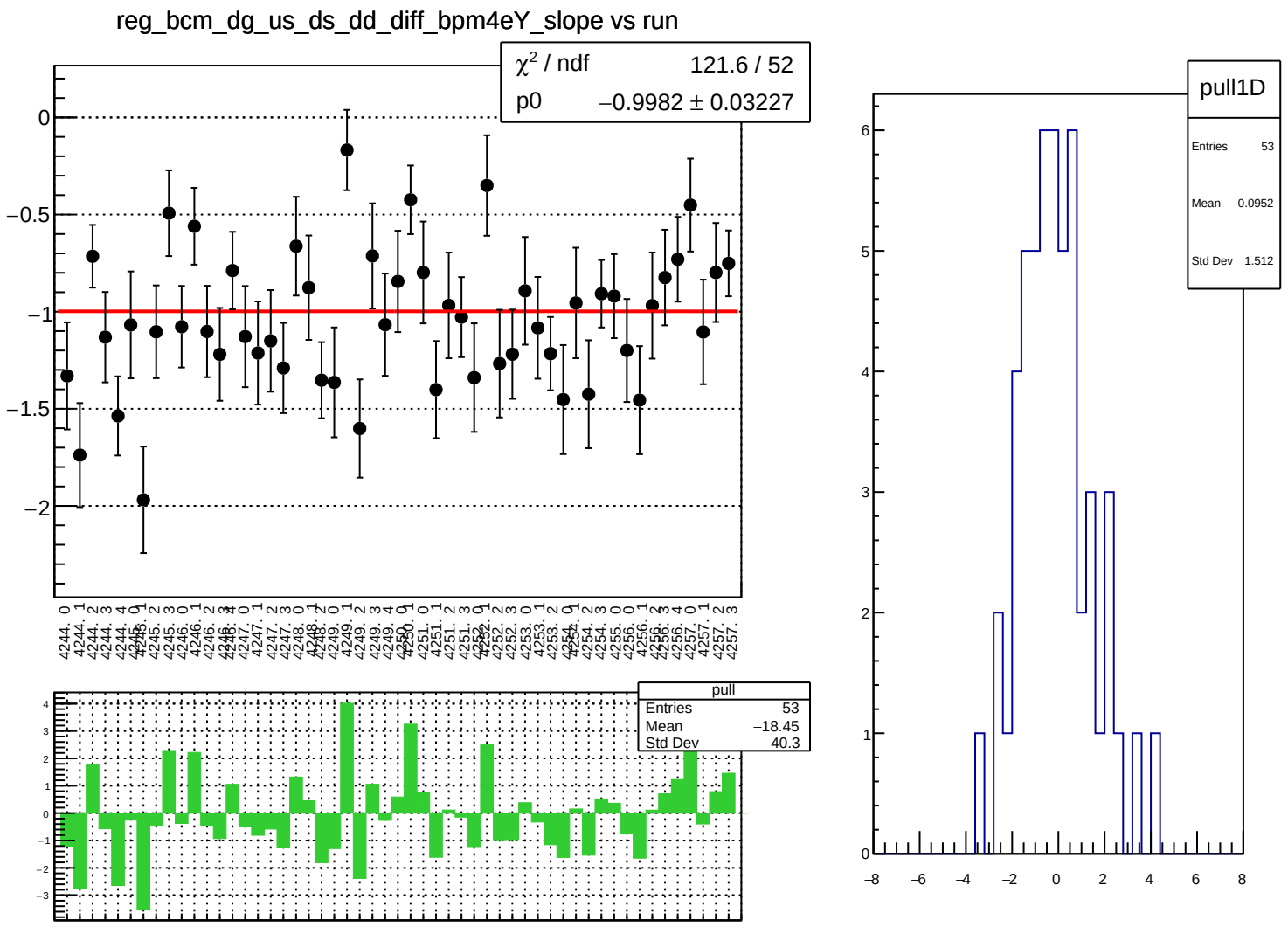

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 132.9 / 52
p0 0.05514 ± 0.02575
pull
Entries 53
Mean 79.83
Std Dev 77.04

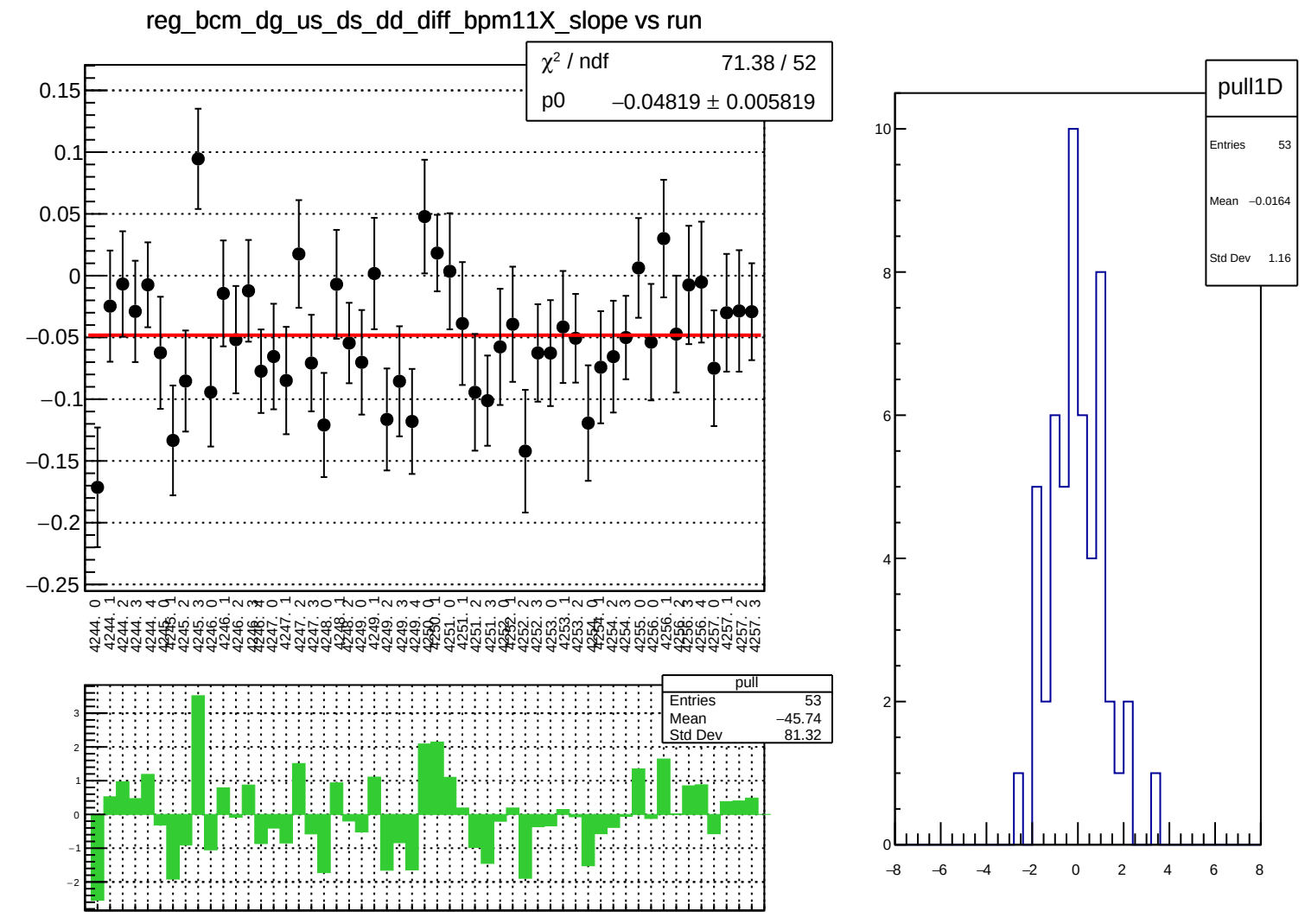

pull1D
Entries 53
Mean −0.05043
Std Dev 1.583

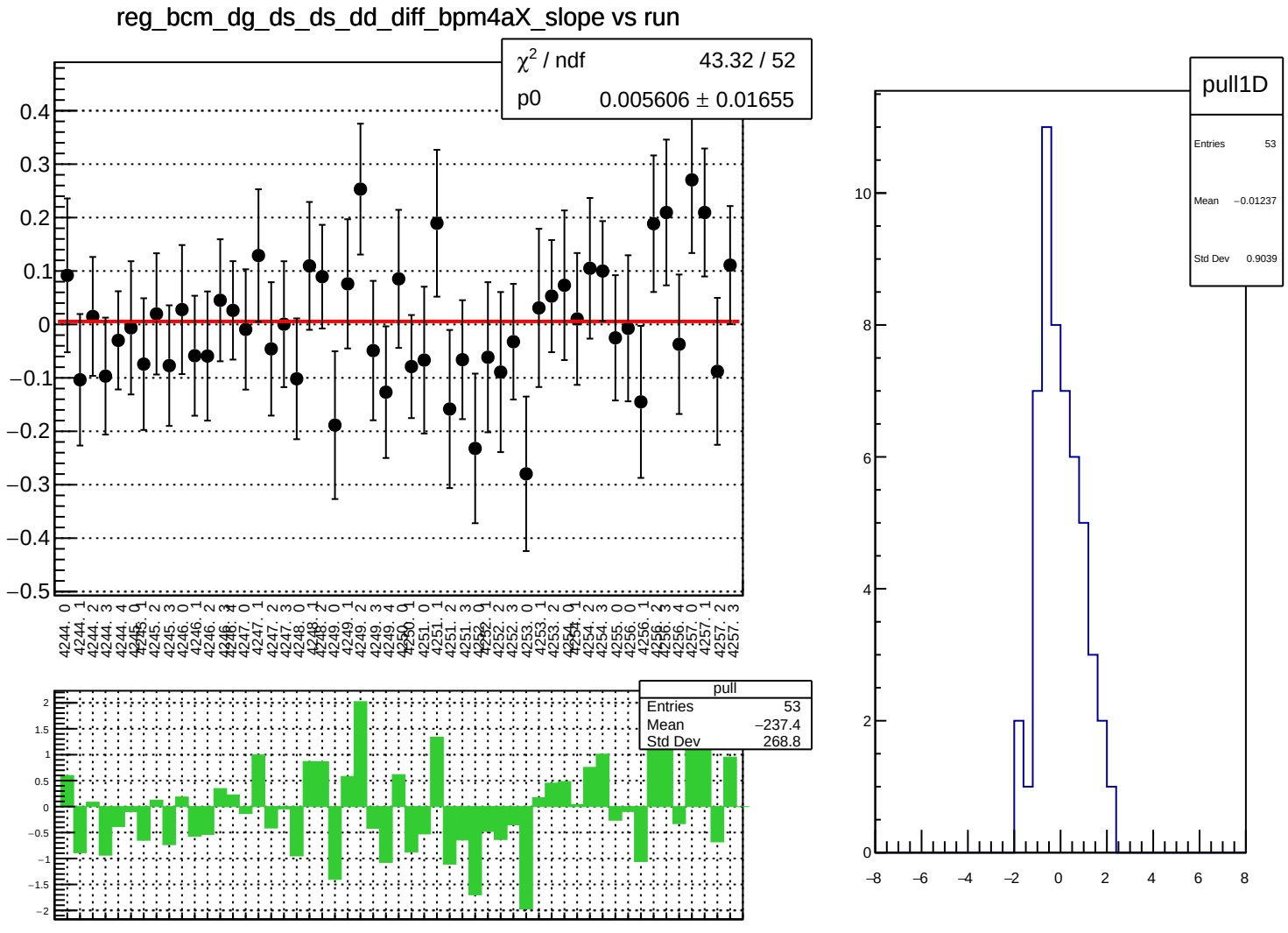

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 121.4 / 52
p0 0.5882 ± 0.01955
pull
Entries 53
Mean −21.27
Std Dev 44.68
pull1D
Entries 53
Mean 0.094
Std Dev 1.51

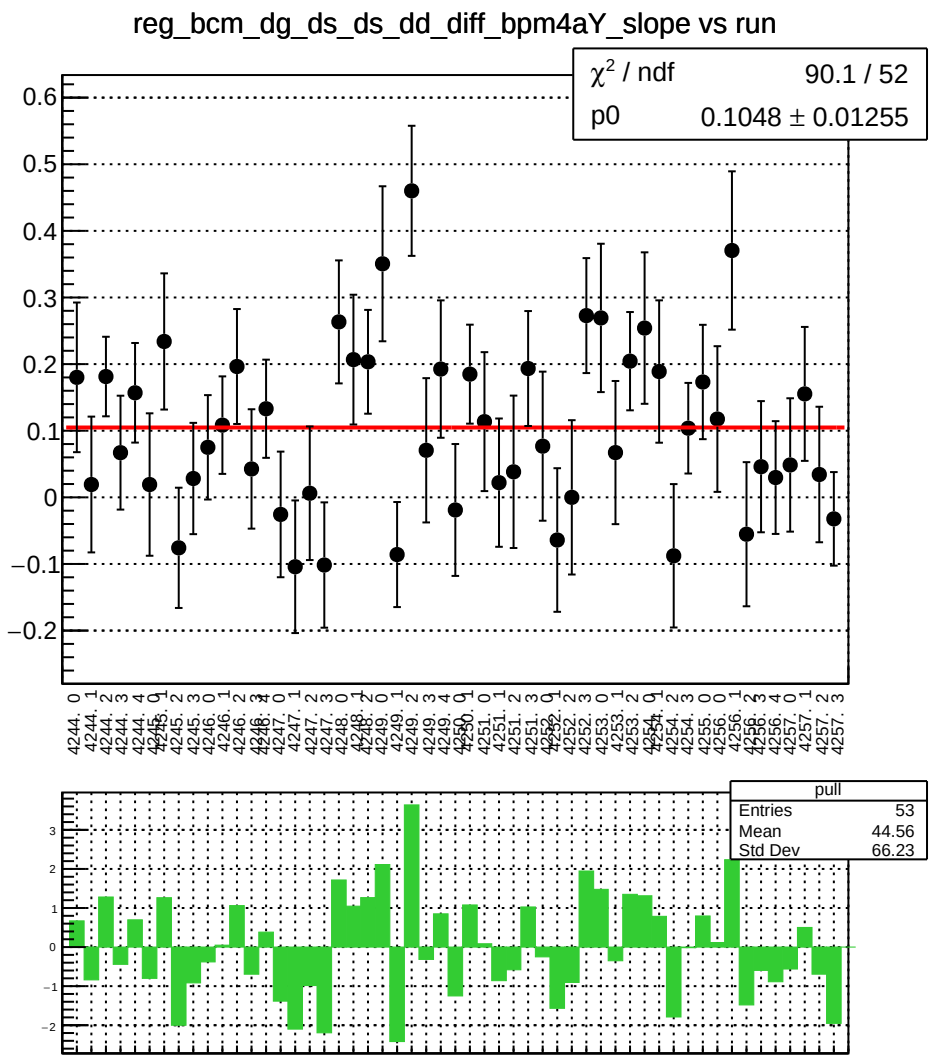

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 80.11 / 52
p0 −0.1259 ± 0.00494
pull
Entries 53
Mean −619.3
Std Dev 643.5

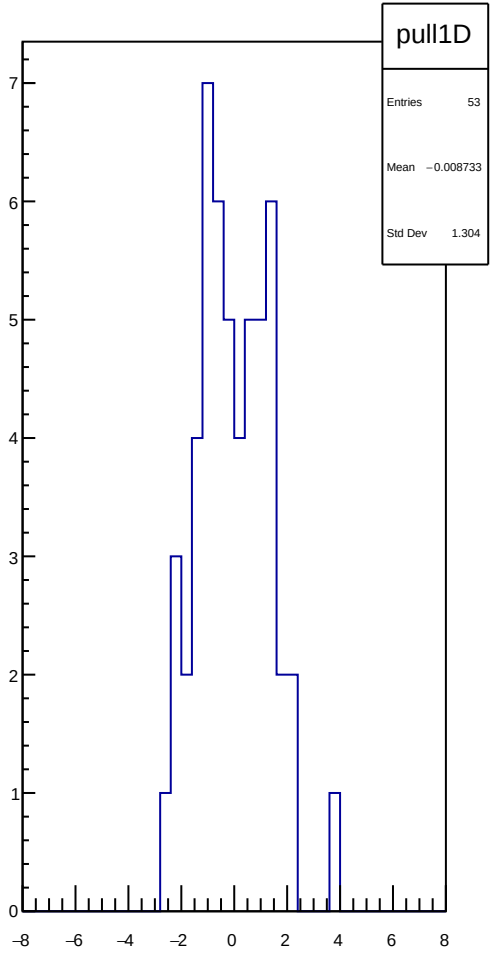

pull1D
Entries 53
Mean −0.01267
Std Dev 1.229

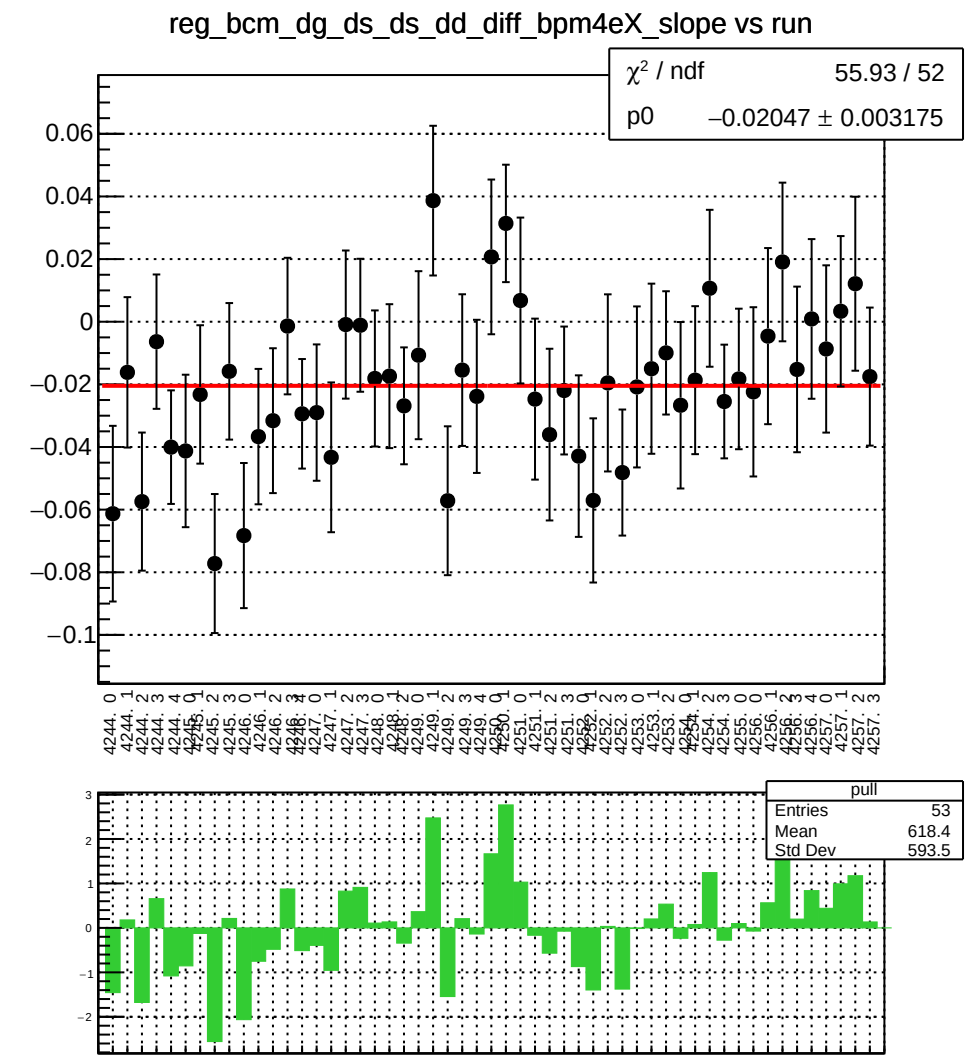

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 121.6 / 52
p0 −0.9982 ± 0.03227
pull
Entries 53
Mean −18.45
Std Dev 40.3
pull1D
Entries 53
Mean −0.0952
Std Dev 1.512

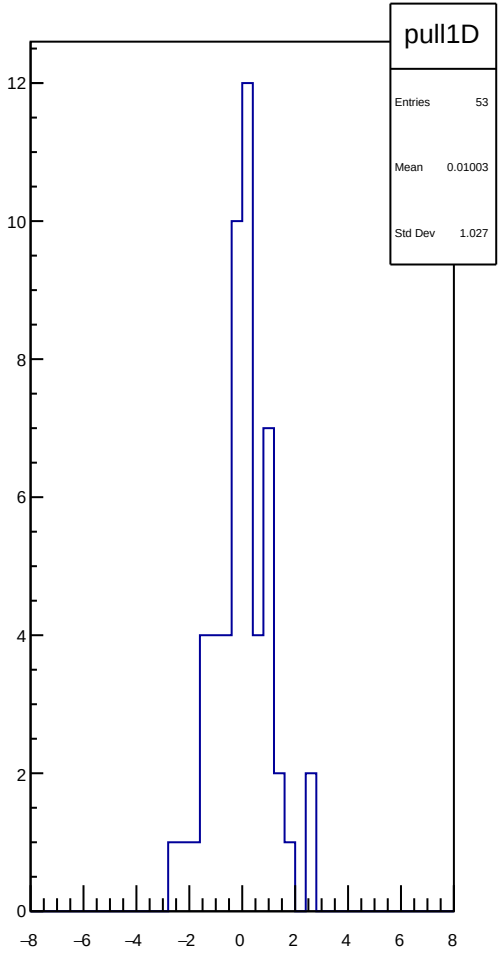

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 71.38 / 52
p0 −0.04819 ± 0.005819
pull
Entries 53
Mean −45.74
Std Dev 81.32
pull1D
Entries 53
Mean −0.0164
Std Dev 1.16

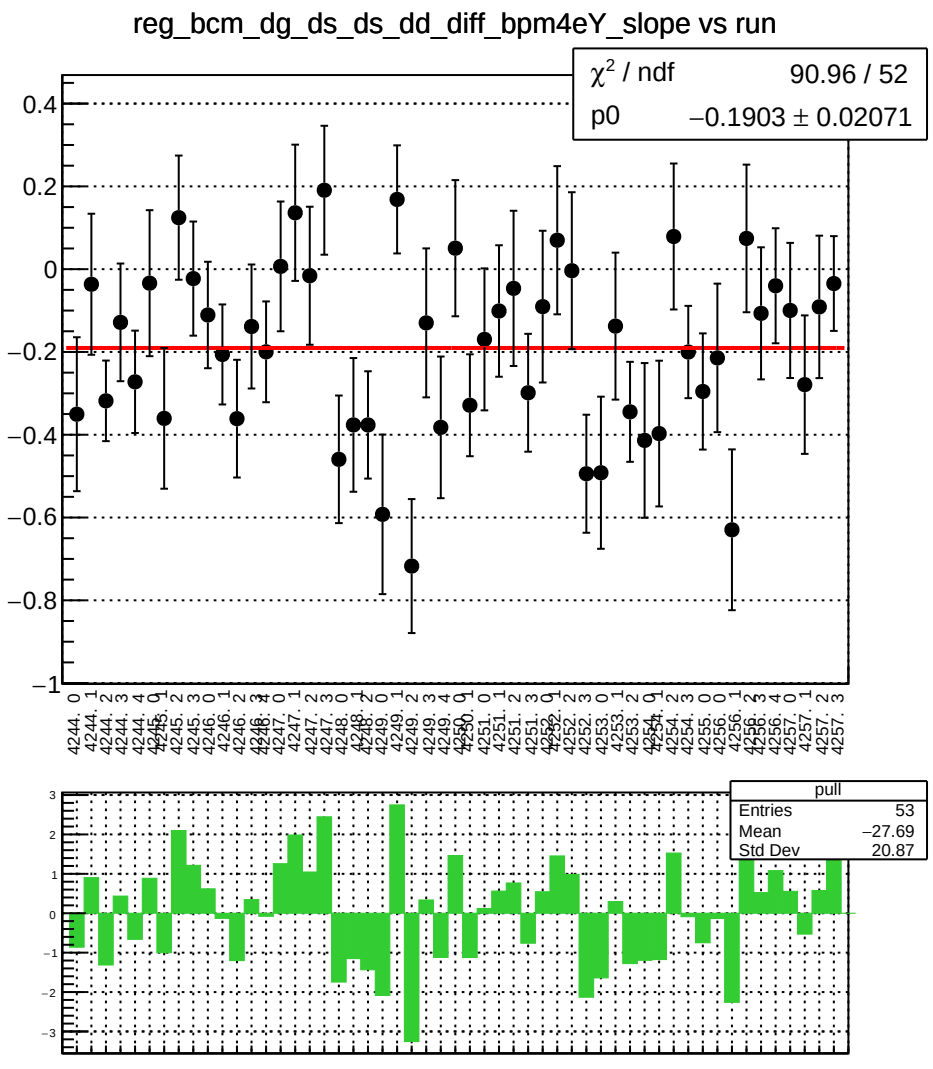

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 43.32 / 52
p0 0.005606 ± 0.01655
pull
Entries 53
Mean −237.4
Std Dev 268.8
pull1D
Entries 53
Mean −0.01237
Std Dev 0.9039

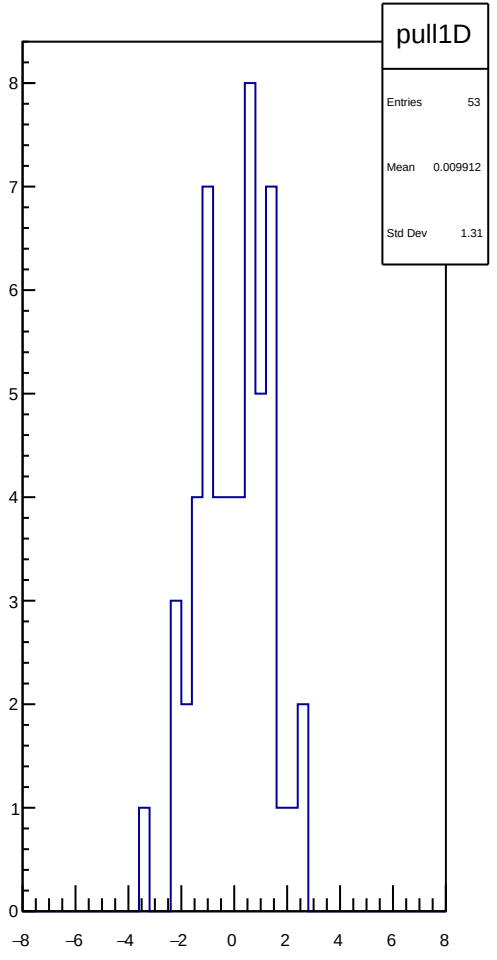

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.1 / 52
p0 0.1048 ± 0.01255
pull
Entries 53
Mean 44.56
Std Dev 66.23

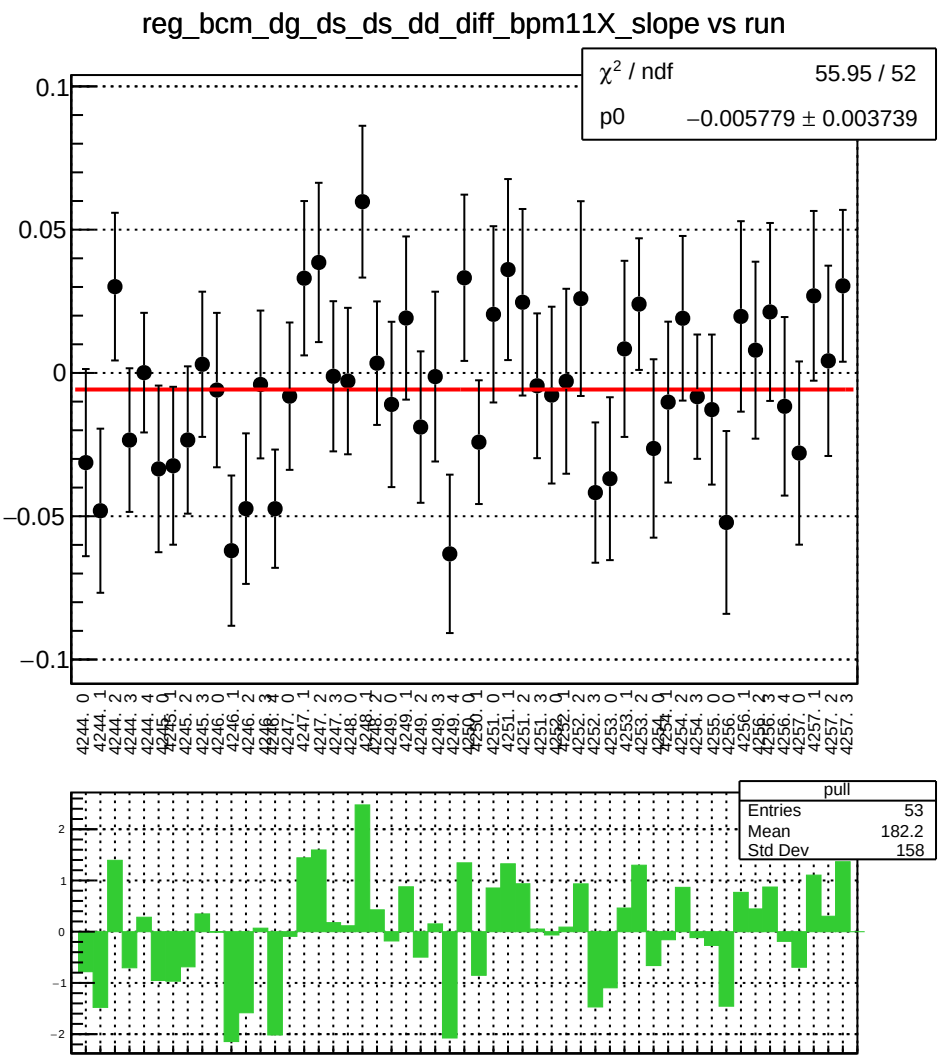

pull1D
Entries 53
Mean −0.008733
Std Dev 1.304

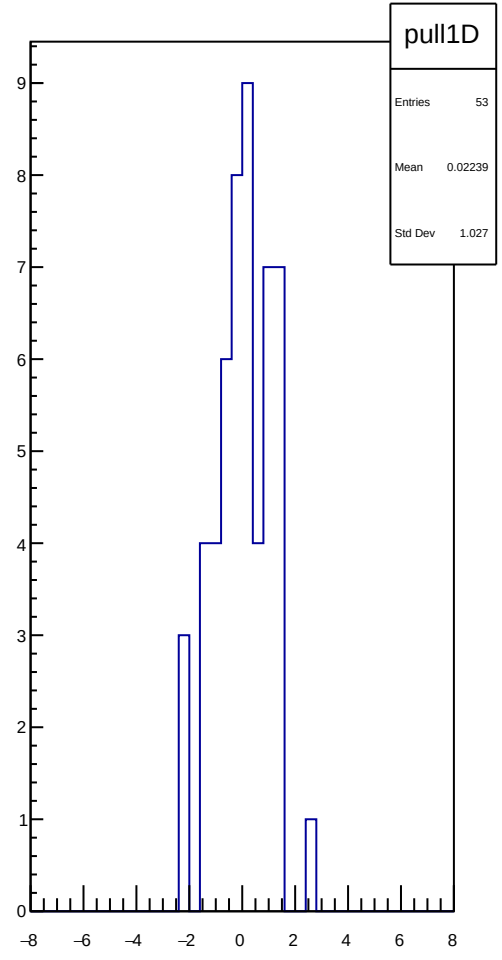

reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 55.93 / 52
p0 −0.02047 ± 0.003175
pull
Entries 53
Mean 618.4
Std Dev 593.5


pull1D
Entries 53
Mean 0.01003
Std Dev 1.027


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.96 / 52
p0 −0.1903 ± 0.02071
pull
Entries 53
Mean −27.69
Std Dev 20.87


pull1D
Entries 53
Mean 0.009912
Std Dev 1.31


reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 55.95 / 52
p0 −0.005779 ± 0.003739
pull
Entries 53
Mean 182.2
Std Dev 158


pull1D
Entries 53
Mean 0.02239
Std Dev 1.027