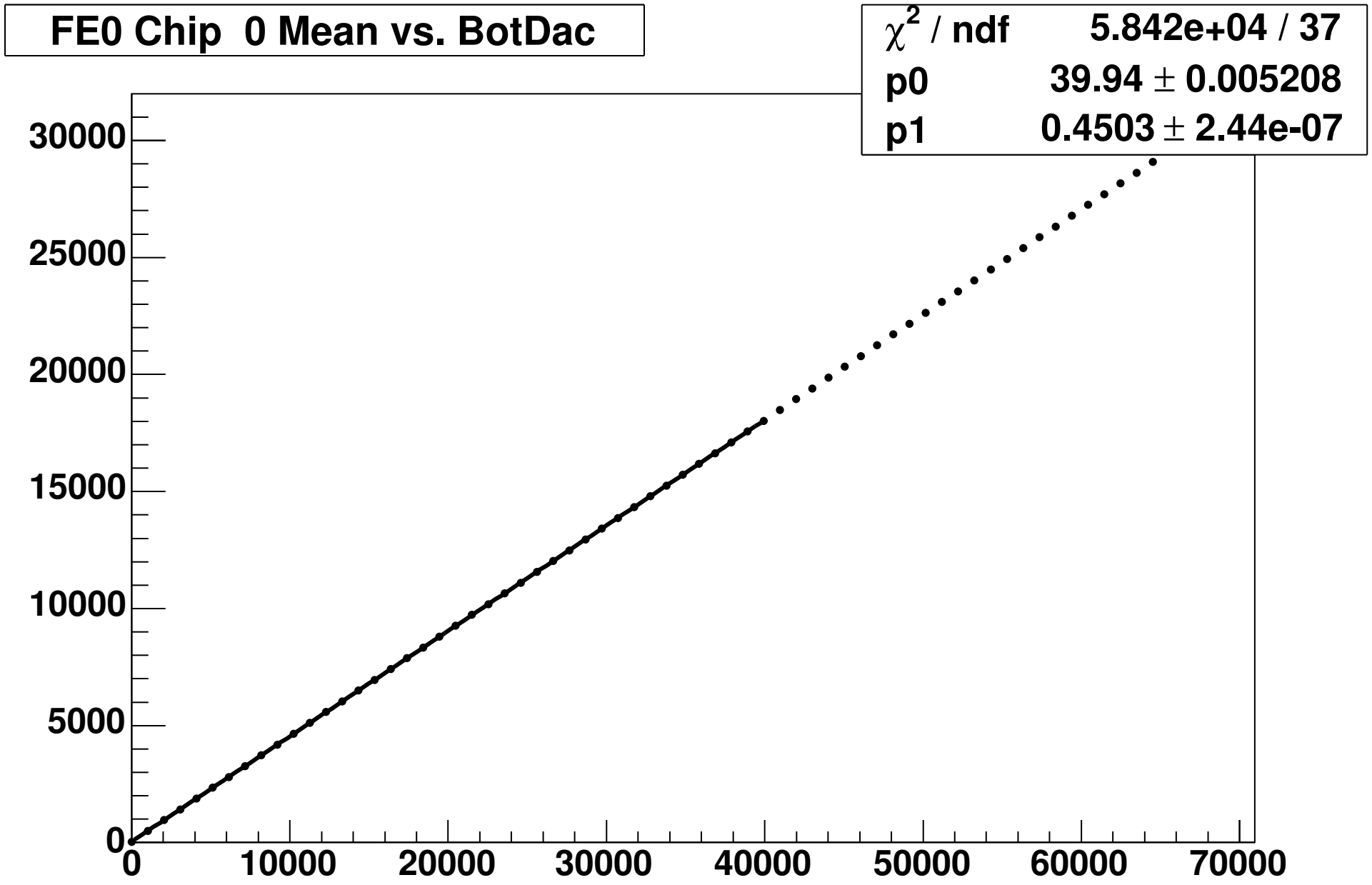
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 5.842e+04 / 37
p0 39.94 ± 0.005208
p1 0.4503 ± 2.44e-07
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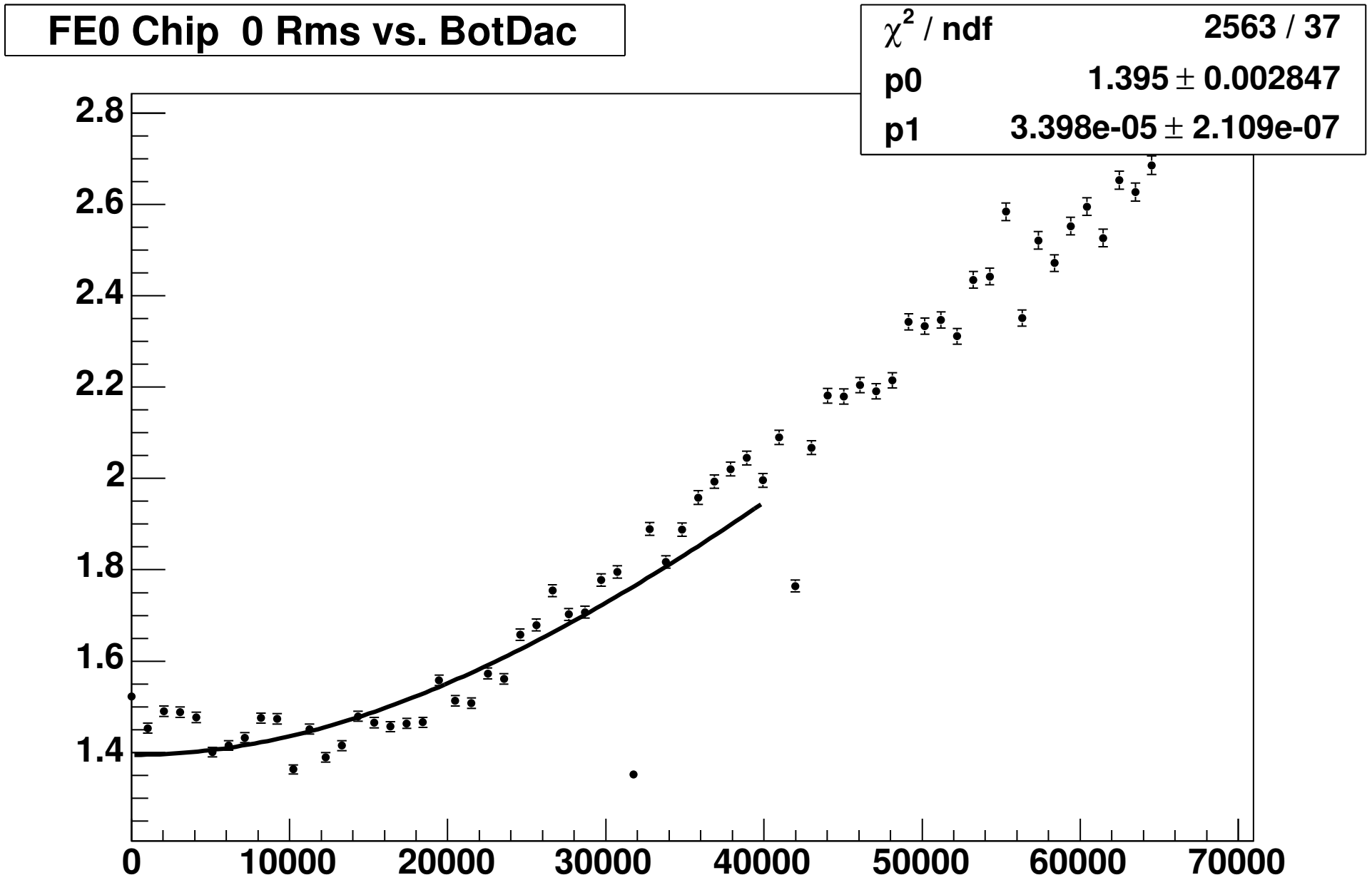
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 2563 / 37
p0 1.395 ± 0.002847
p1 3.398e-05 ± 2.109e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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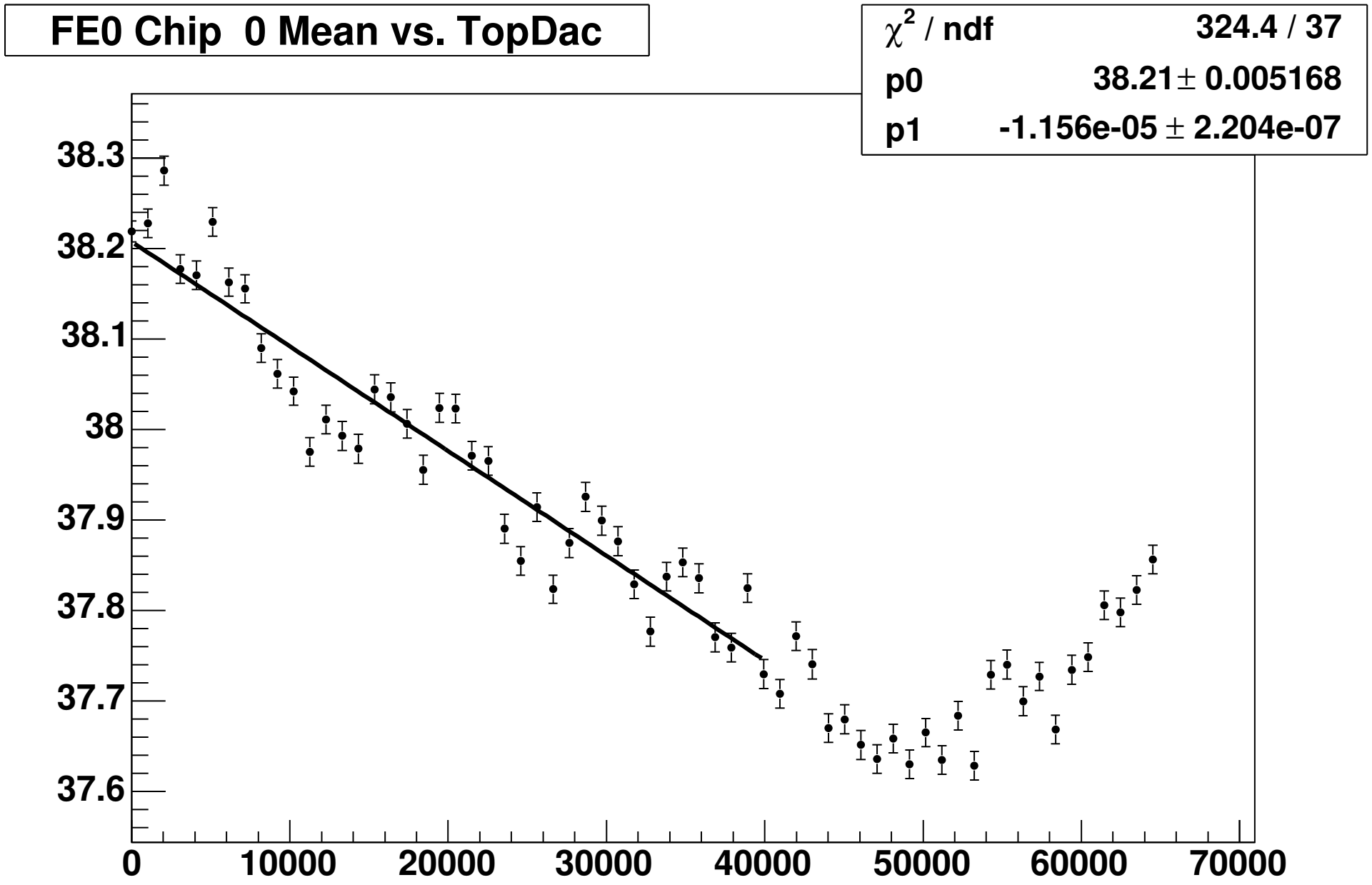
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 324.4 / 37
p0 38.21 ± 0.005168
p1 -1.156e-05 ± 2.204e-07
38.3
38.2
38.1
38
37.9
37.8
37.7
37.6
0
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20000
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50000
60000
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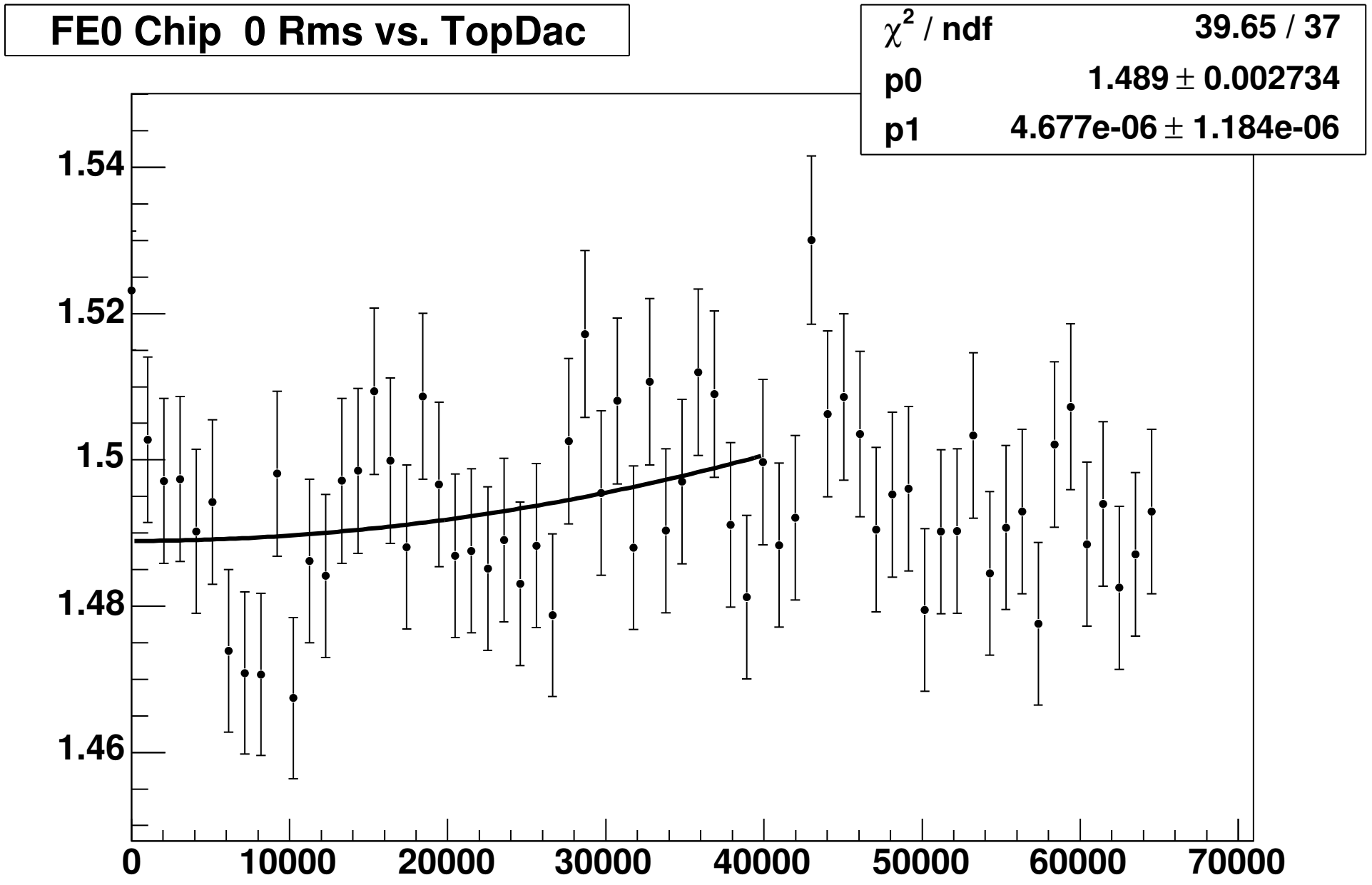
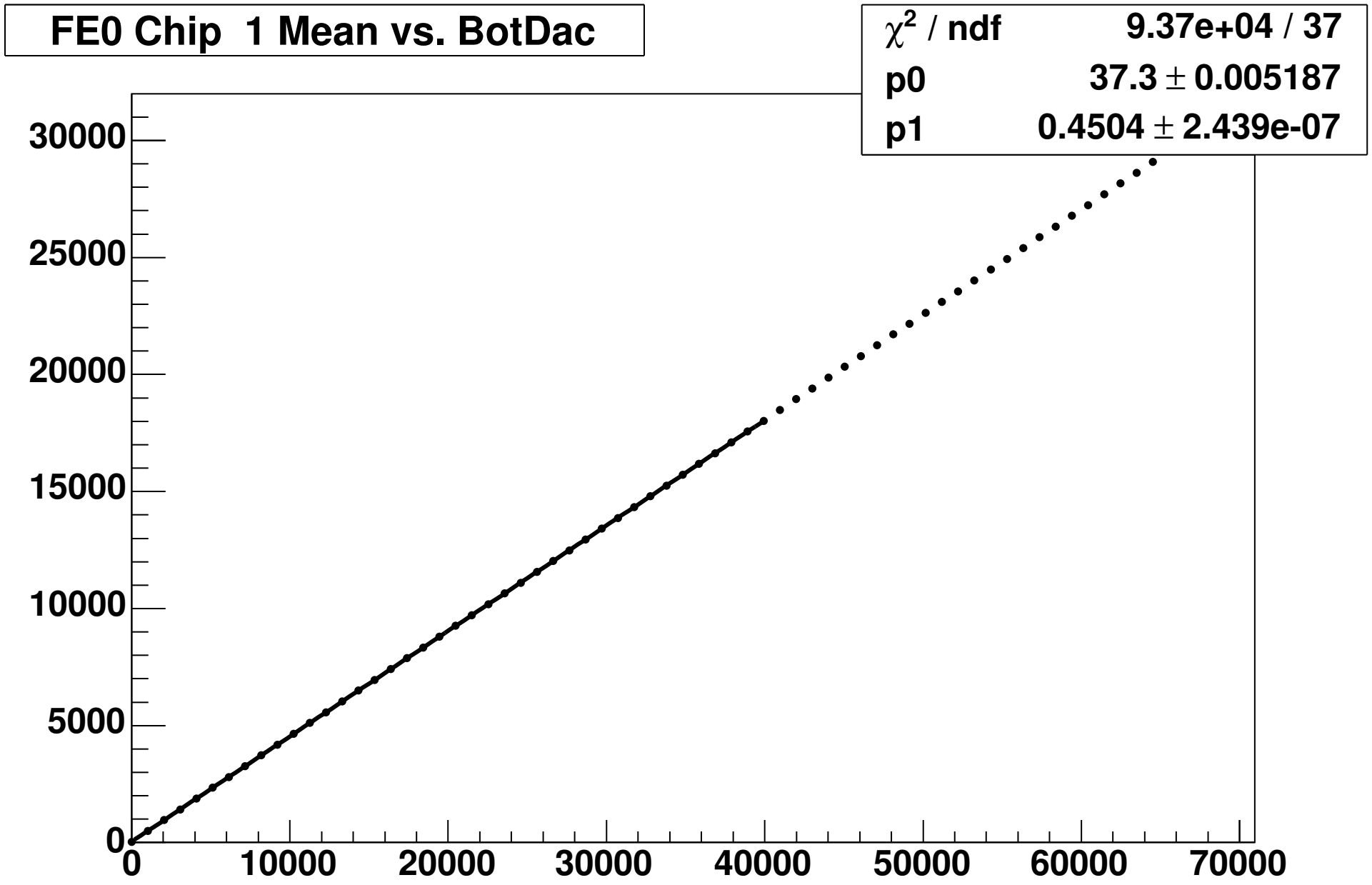

FE0 Chip 0 Rms vs. TopDac
χ² / ndf 39.65 / 37
p0 1.489 ± 0.002734
p1 4.677e-06 ± 1.184e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 9.37e+04 / 37
p0 37.3 ± 0.005187
p1 0.4504 ± 2.439e-07
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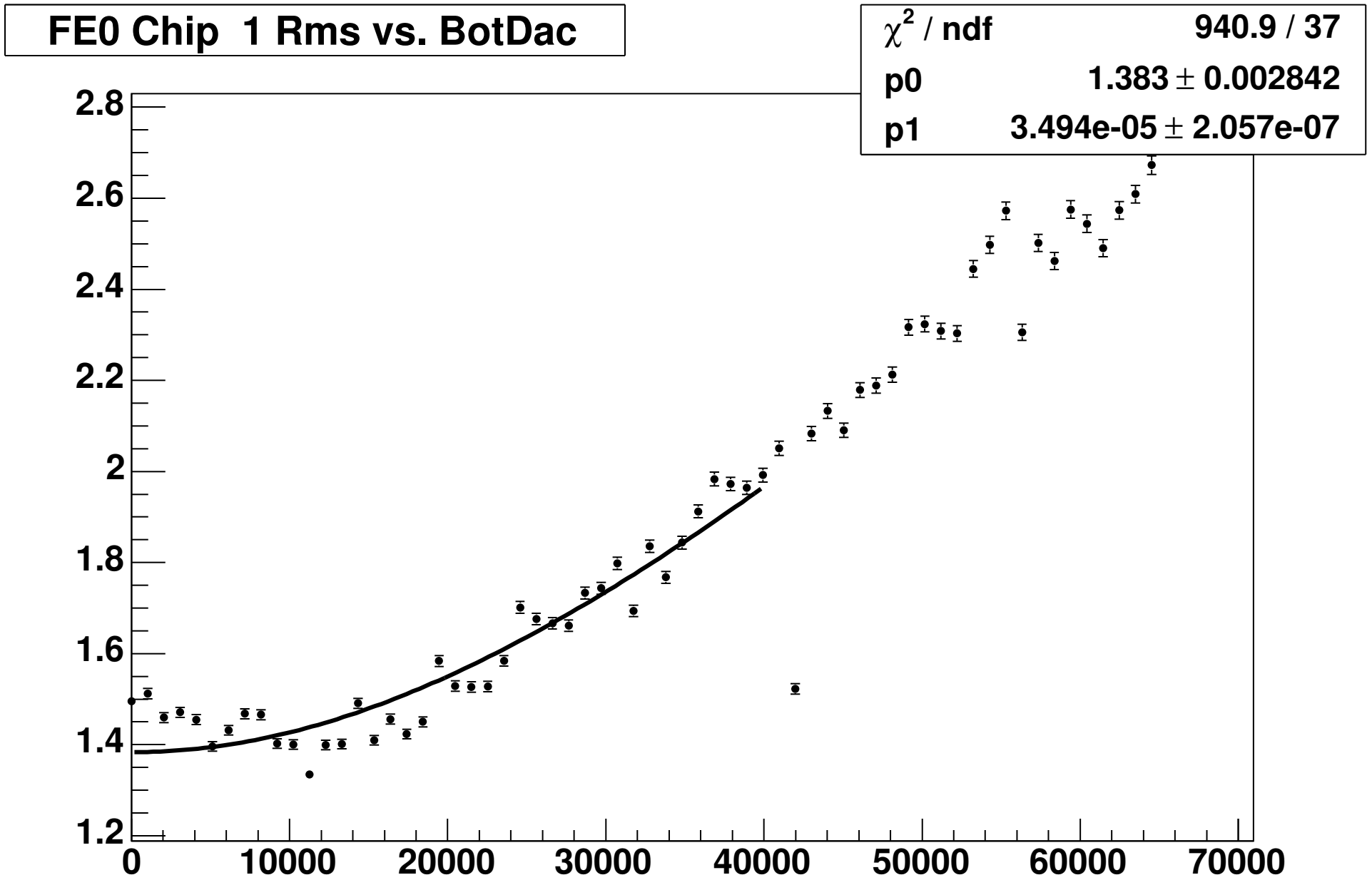
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 940.9 / 37
p0 1.383 ± 0.002842
p1 3.494e-05 ± 2.057e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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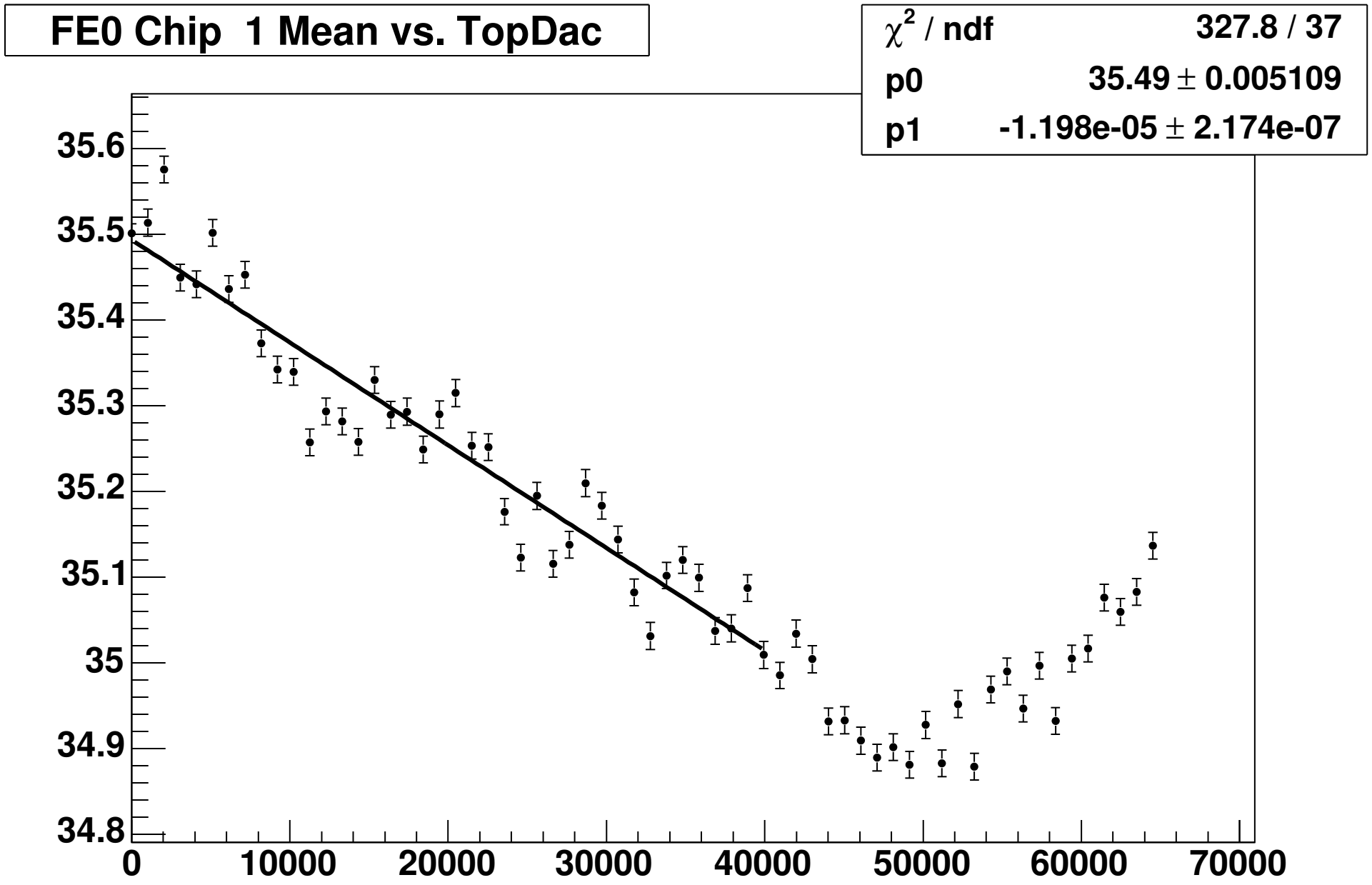
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 327.8 / 37
p0 35.49 ± 0.005109
p1 -1.198e-05 ± 2.174e-07
35.6
35.5
35.4
35.3
35.2
35.1
35
34.9
34.8
0
10000
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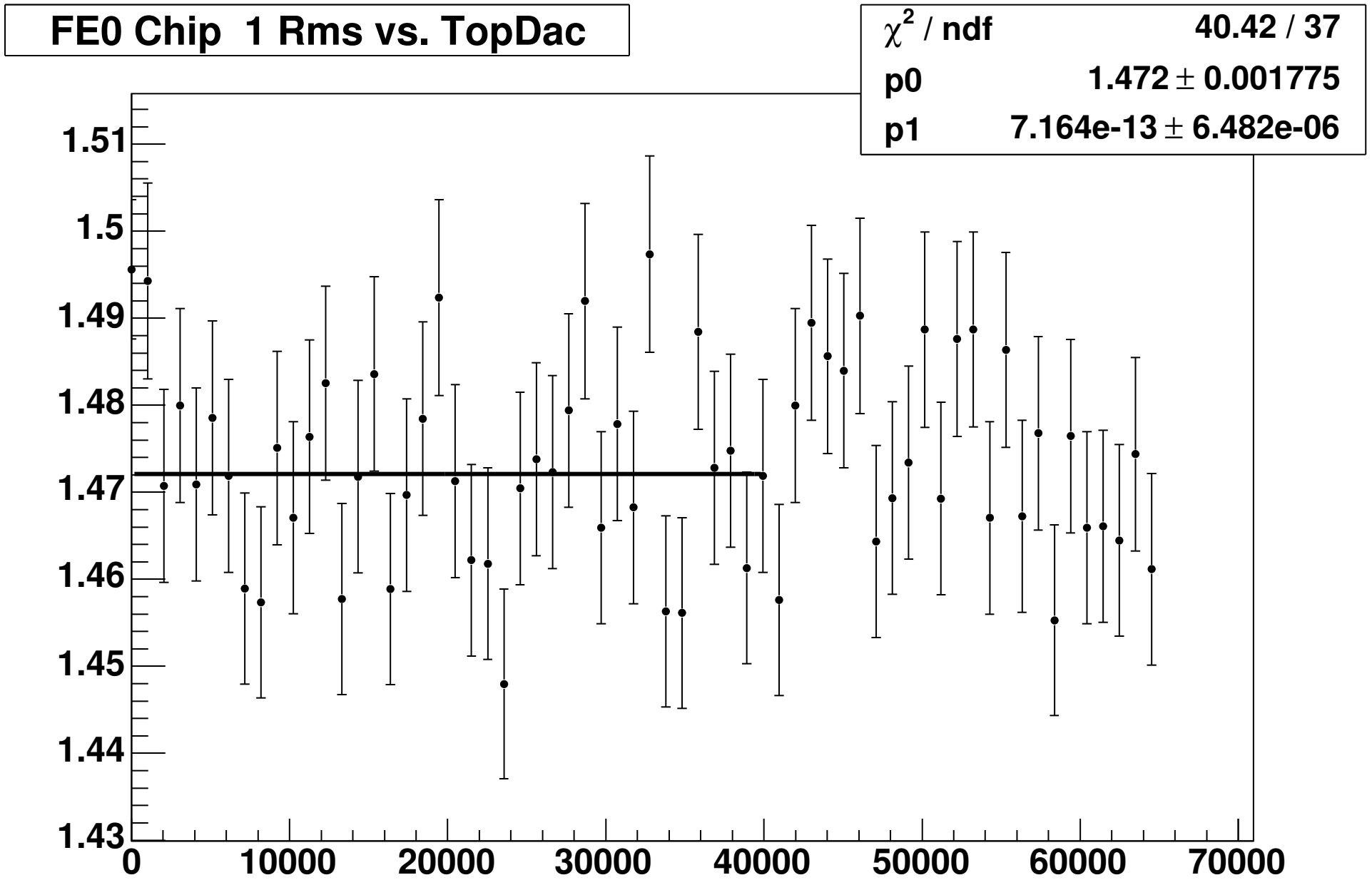
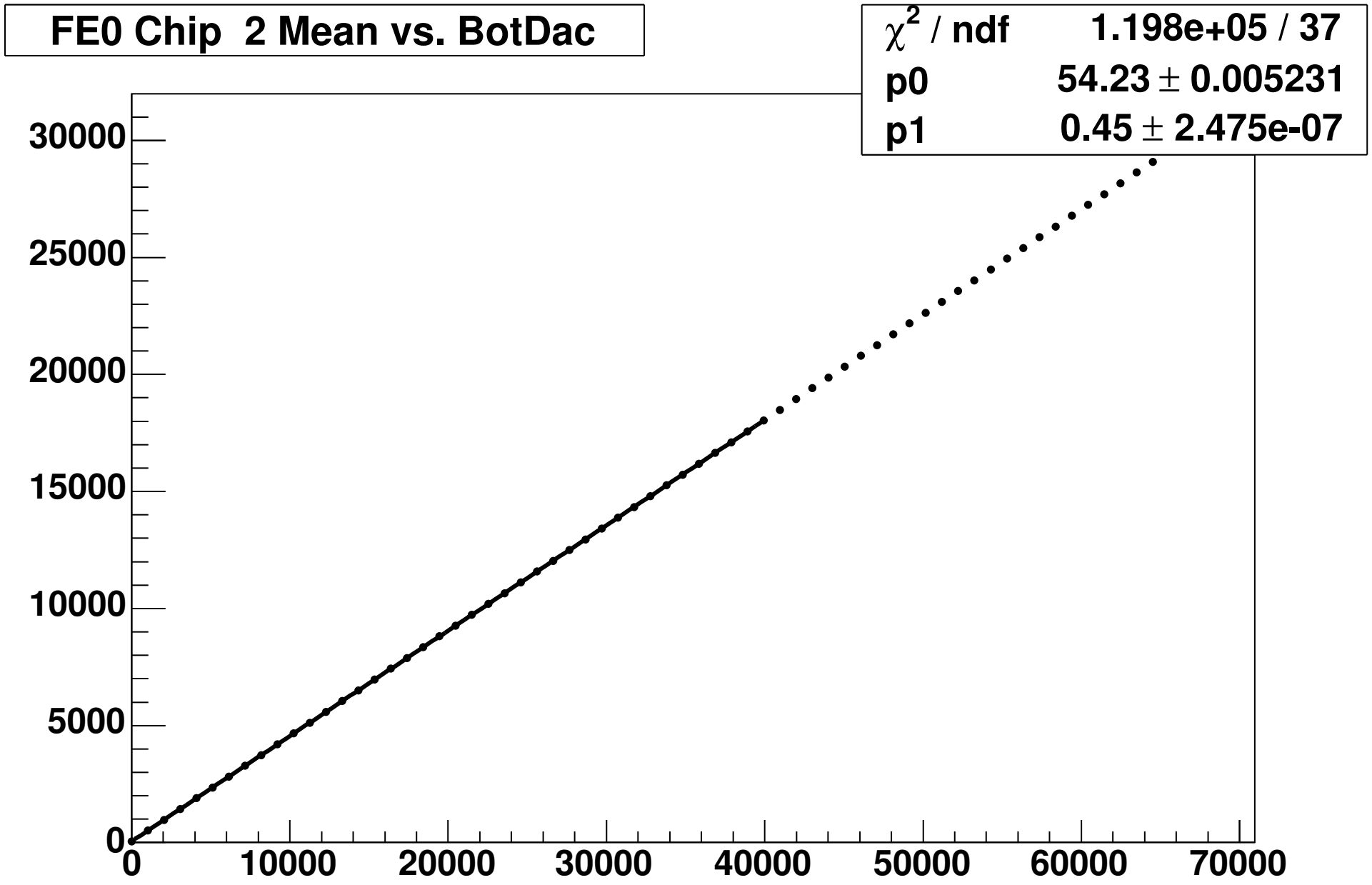
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 40.42 / 37
p0 1.472 ± 0.001775
p1 7.164e-13 ± 6.482e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.198e+05 / 37
p0 54.23 ± 0.005231
p1 0.45 ± 2.475e-07
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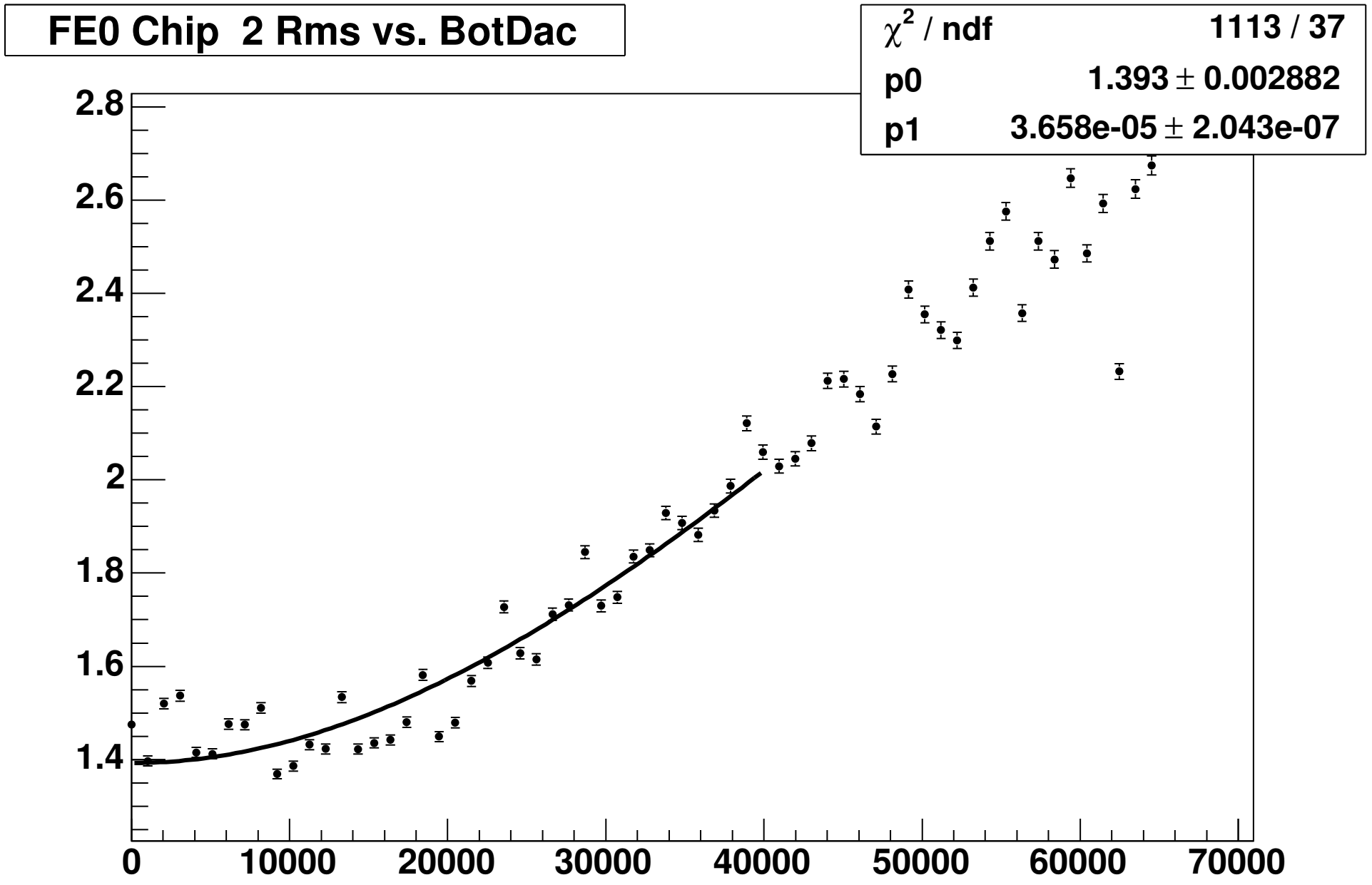
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 1113 / 37
p0 1.393 ± 0.002882
p1 3.658e-05 ± 2.043e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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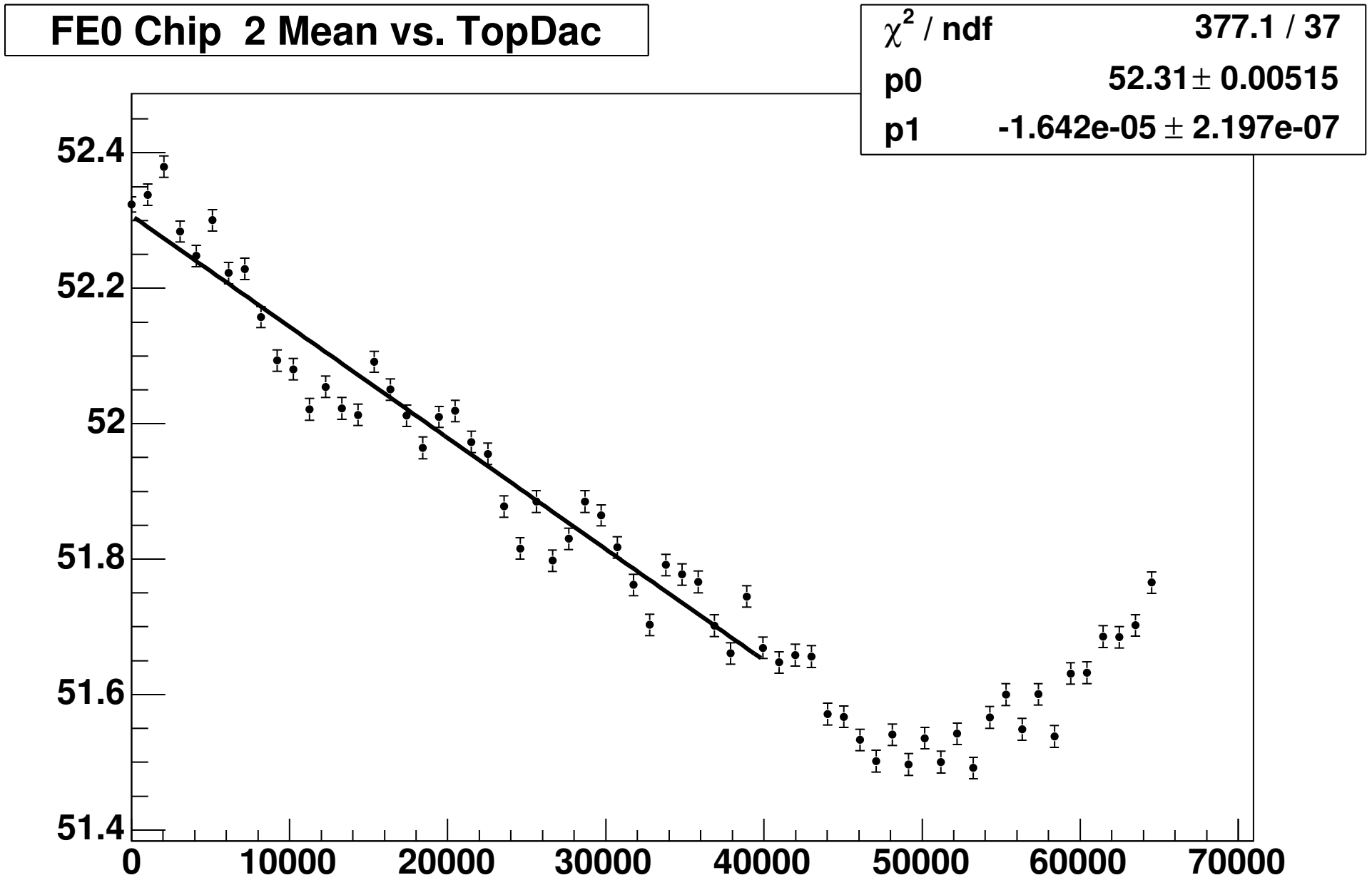
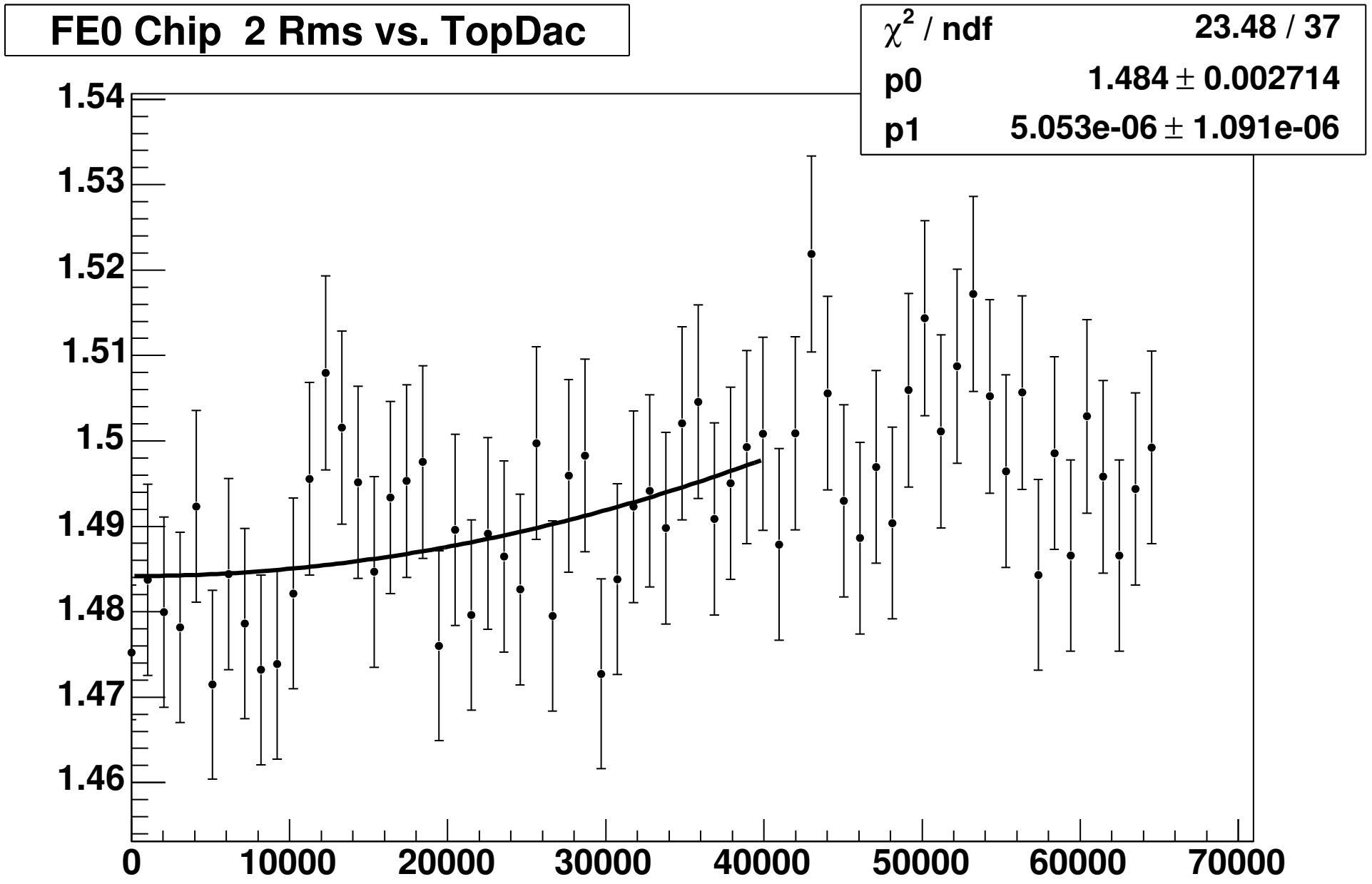
50000
60000
70000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 377.1 / 37
p0 52.31 ± 0.00515
p1 -1.642e-05 ± 2.197e-07
52.4
52.2
52
51.8
51.6
51.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 23.48 / 37
p0 1.484 ± 0.002714
p1 5.053e-06 ± 1.091e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
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50000
60000
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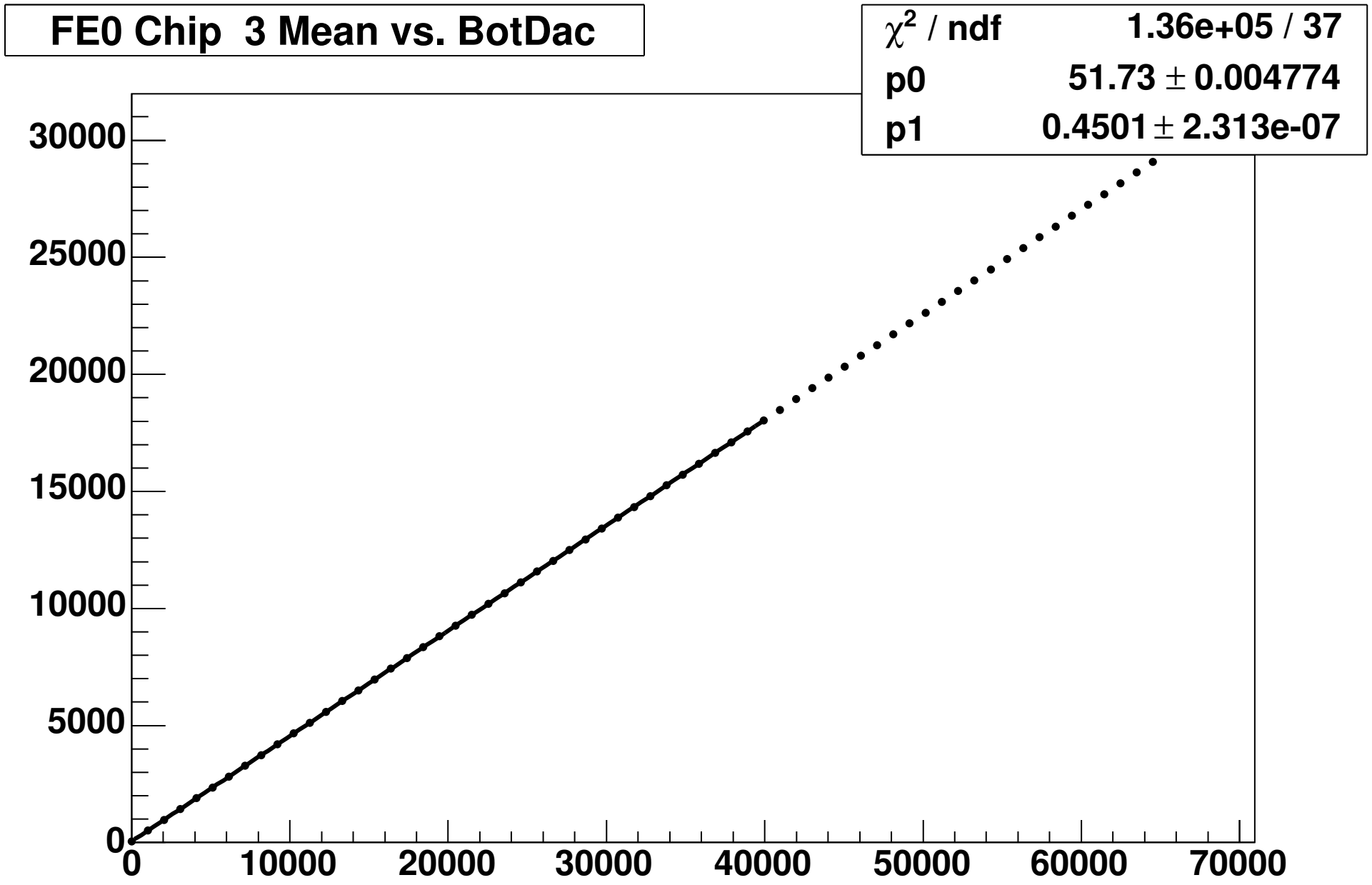
FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.36e+05 / 37
p0 51.73 ± 0.004774
p1 0.4501 ± 2.313e-07
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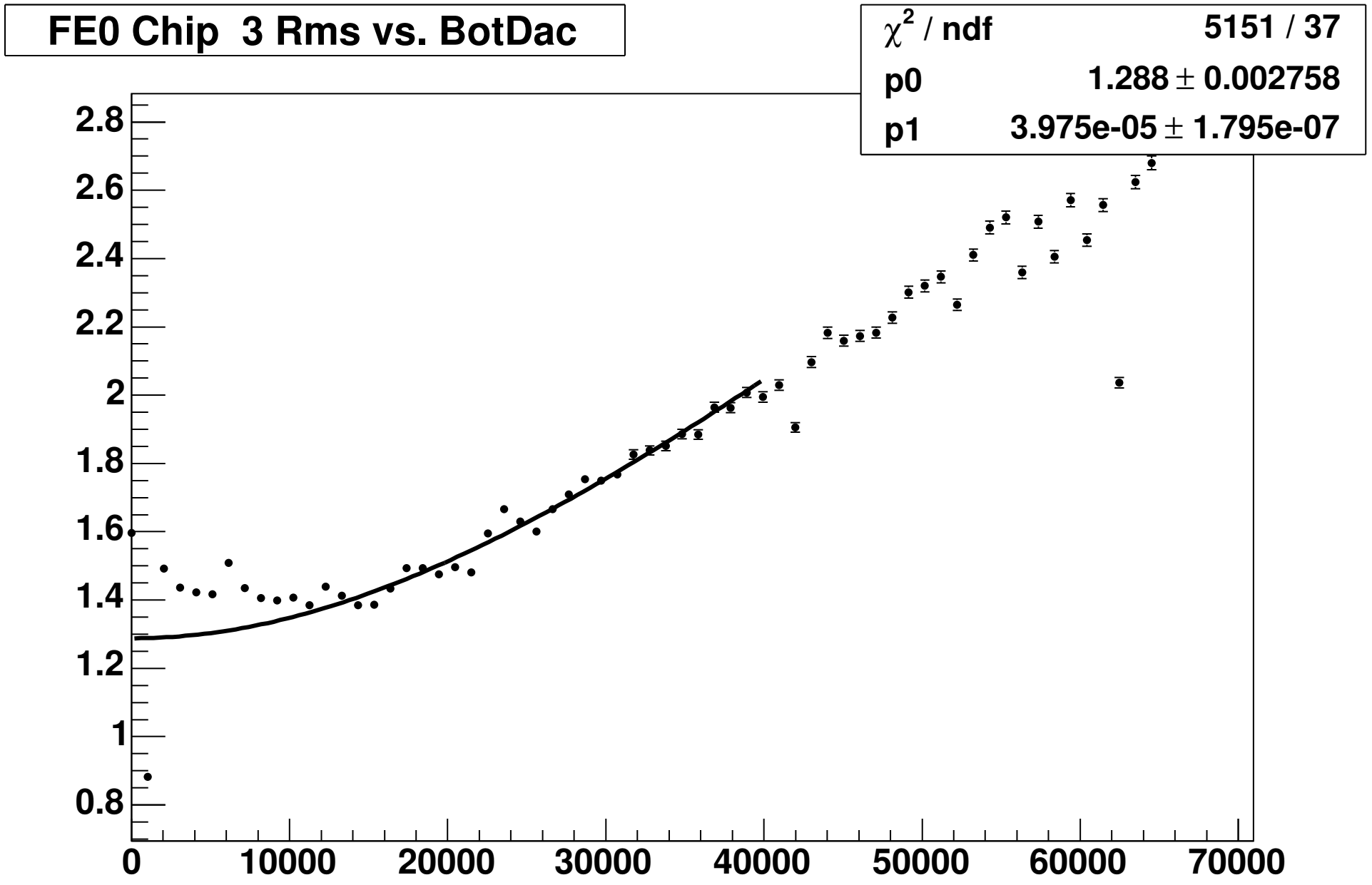
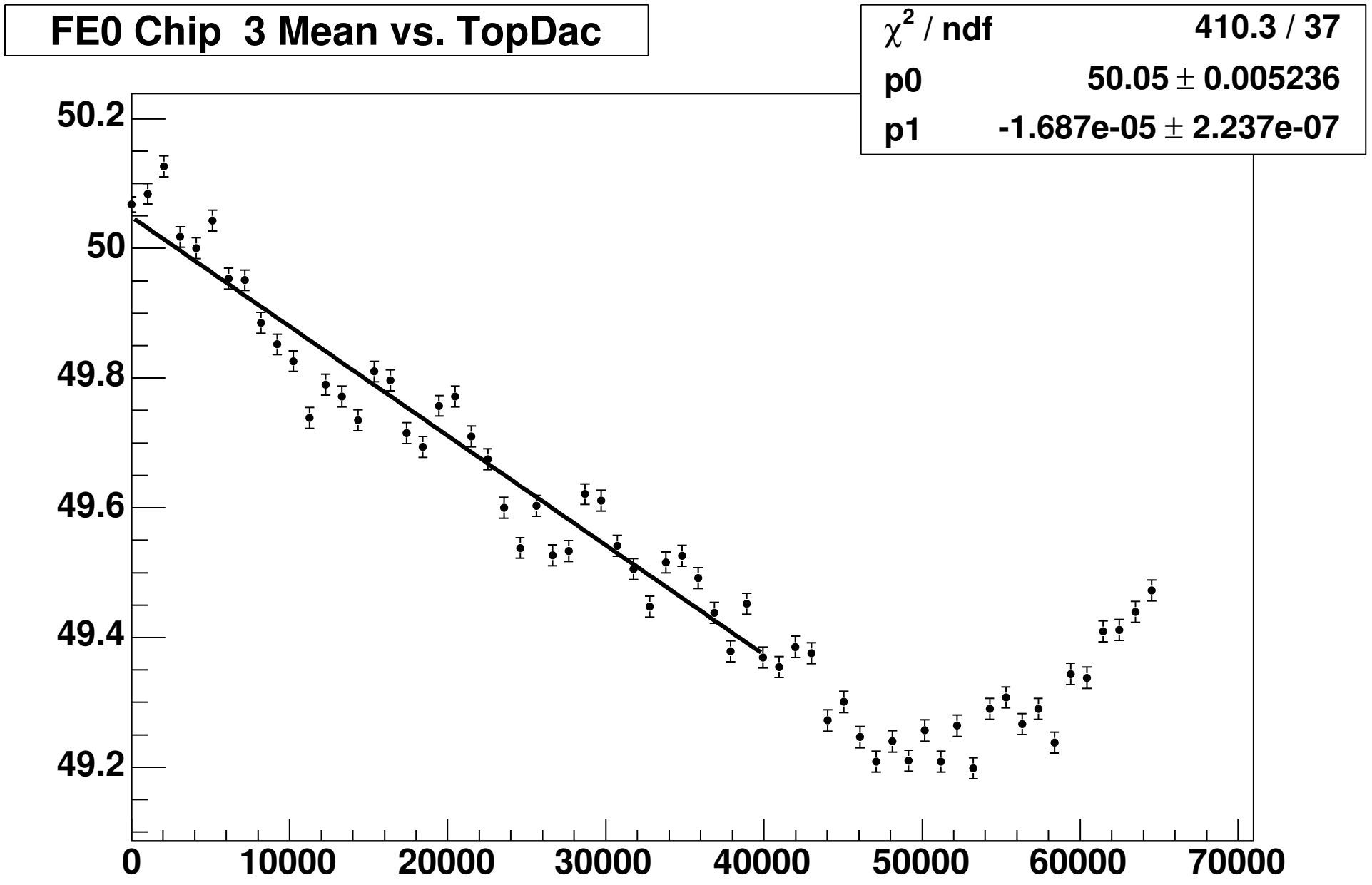
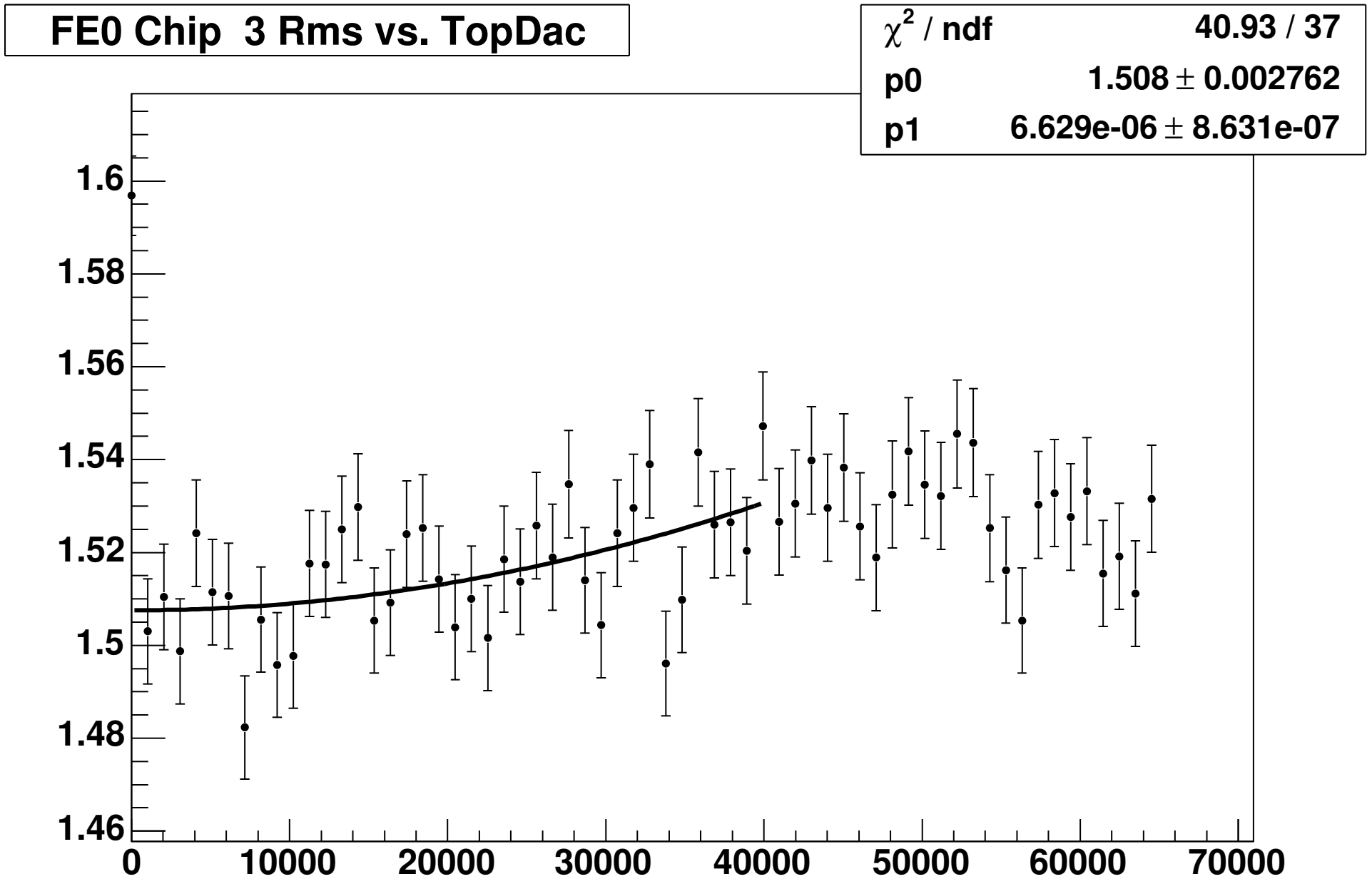
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 5151 / 37
p0 1.288 ± 0.002758
p1 3.975e-05 ± 1.795e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 410.3 / 37
p0 50.05 ± 0.005236
p1 -1.687e-05 ± 2.237e-07
50.2
50
49.8
49.6
49.4
49.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 40.93 / 37
p0 1.508 ± 0.002762
p1 6.629e-06 ± 8.631e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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50000
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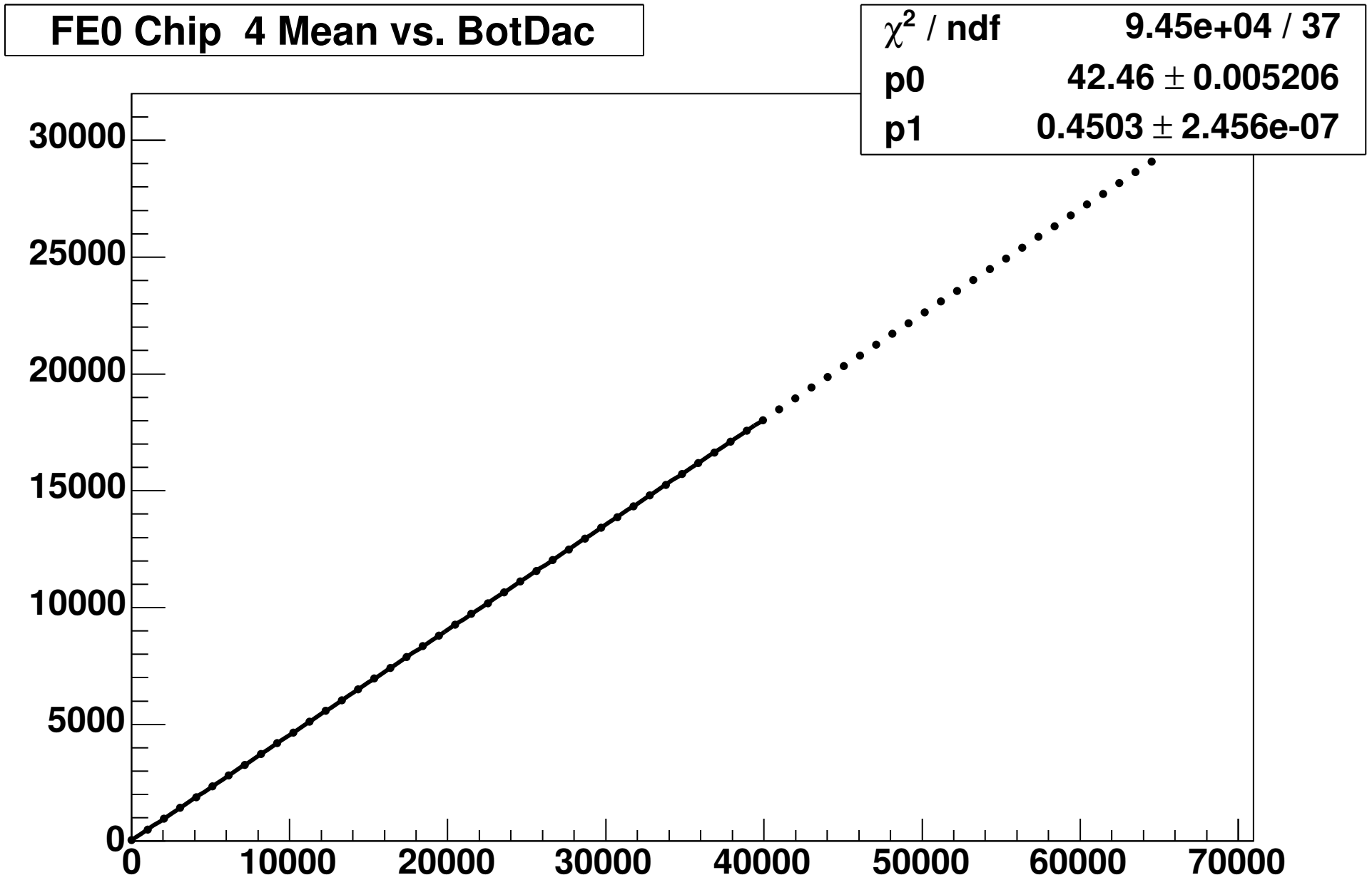
FE0 Chip 4 Mean vs. BotDac
χ² / ndf 9.45e+04 / 37
p0 42.46 ± 0.005206
p1 0.4503 ± 2.456e-07
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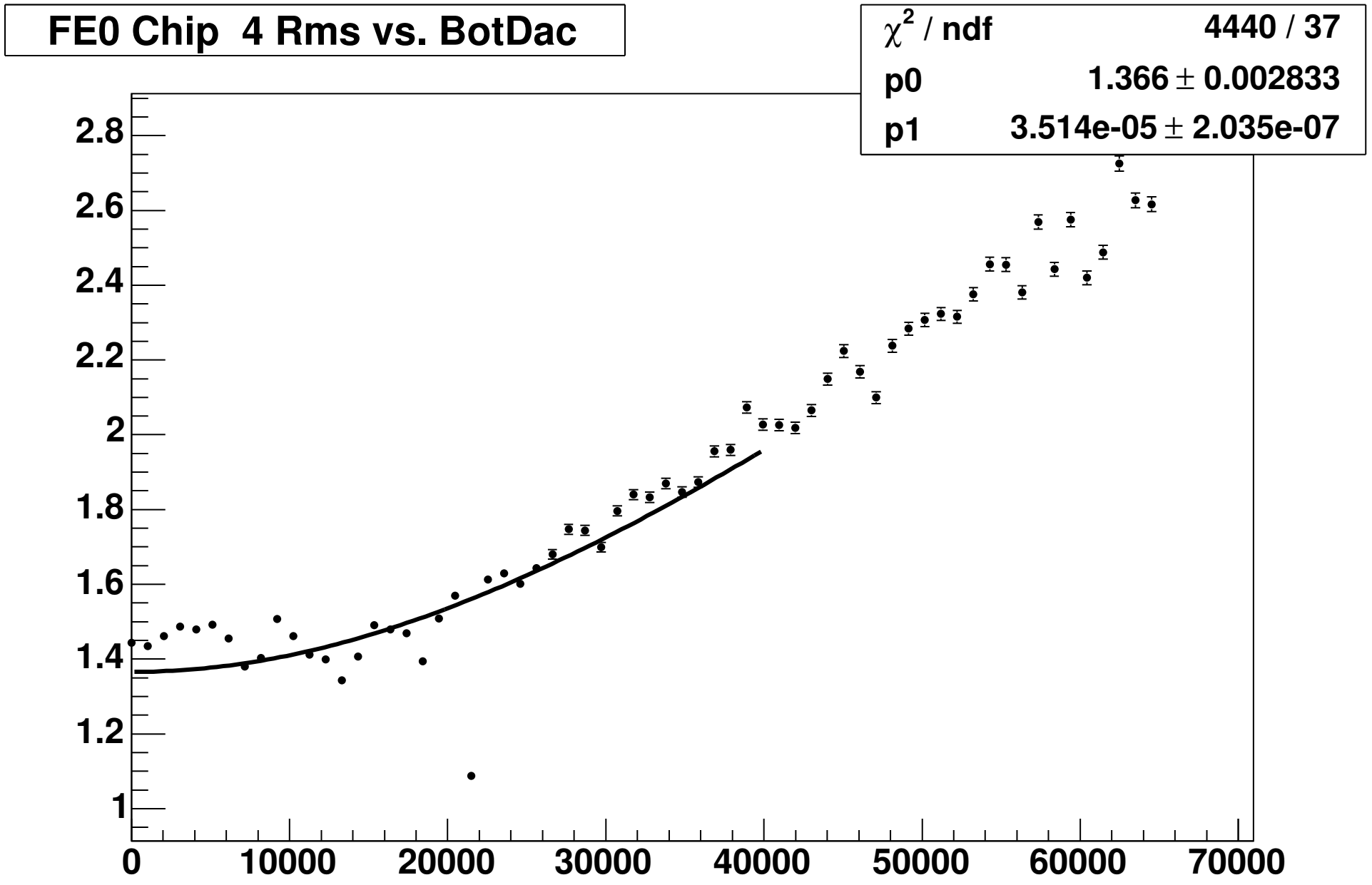
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 4440 / 37
p0 1.366 ± 0.002833
p1 3.514e-05 ± 2.035e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
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40000
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60000
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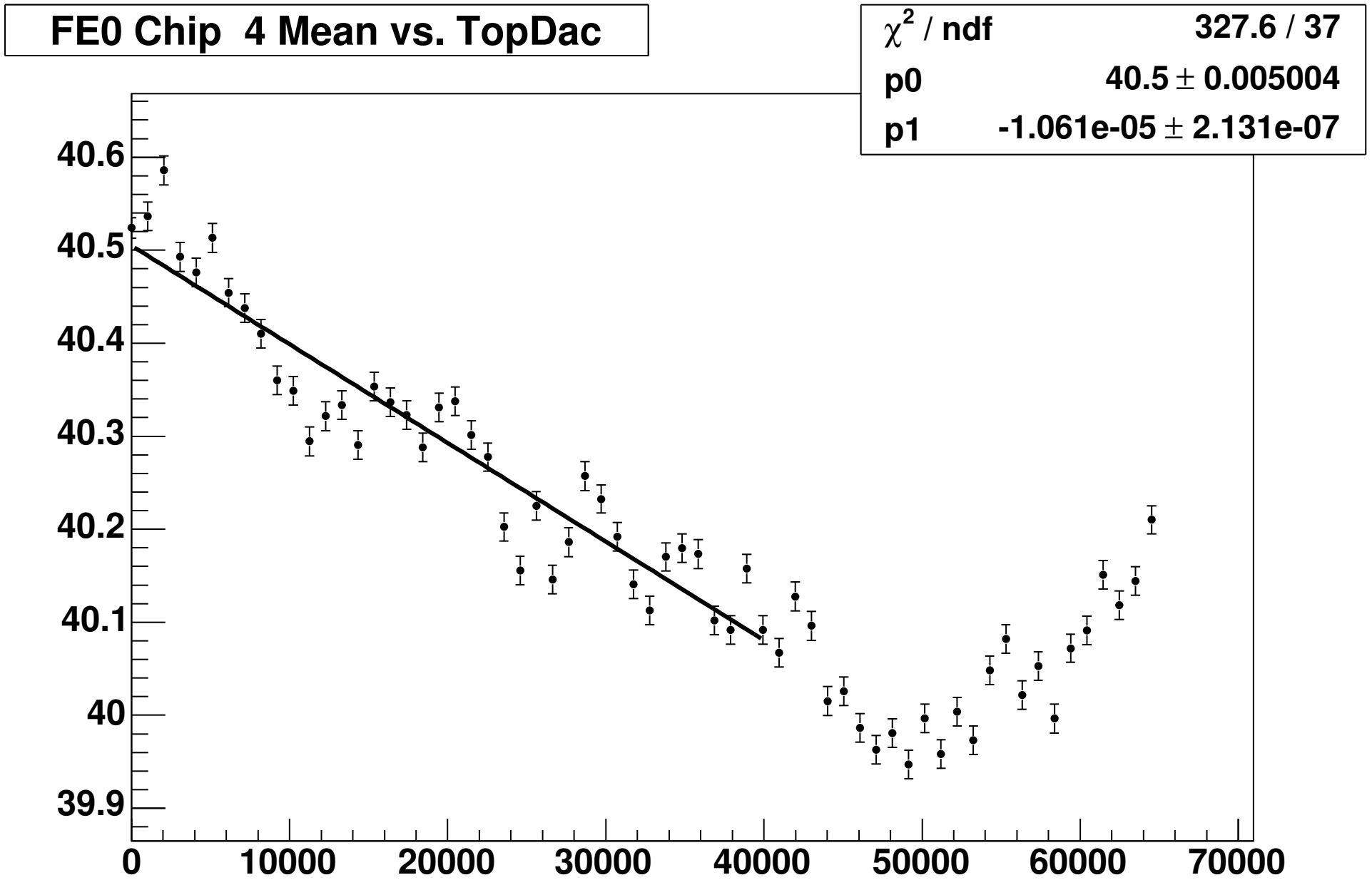
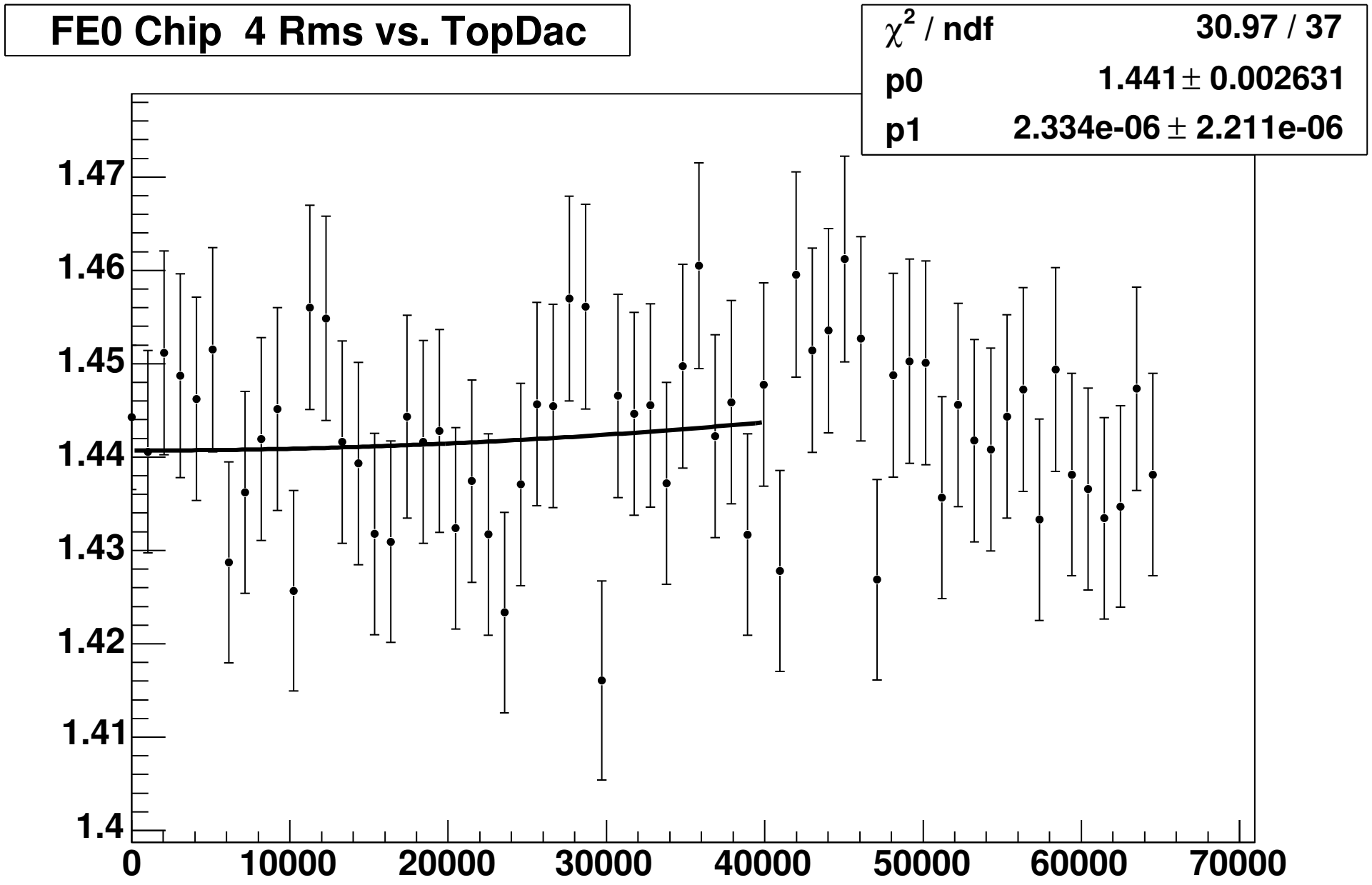

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 327.6 / 37
p0 40.5 ± 0.005004
p1 -1.061e-05 ± 2.131e-07
40.6
40.5
40.4
40.3
40.2
40.1
40
39.9
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 30.97 / 37
p0 1.441 ± 0.002631
p1 2.334e-06 ± 2.211e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
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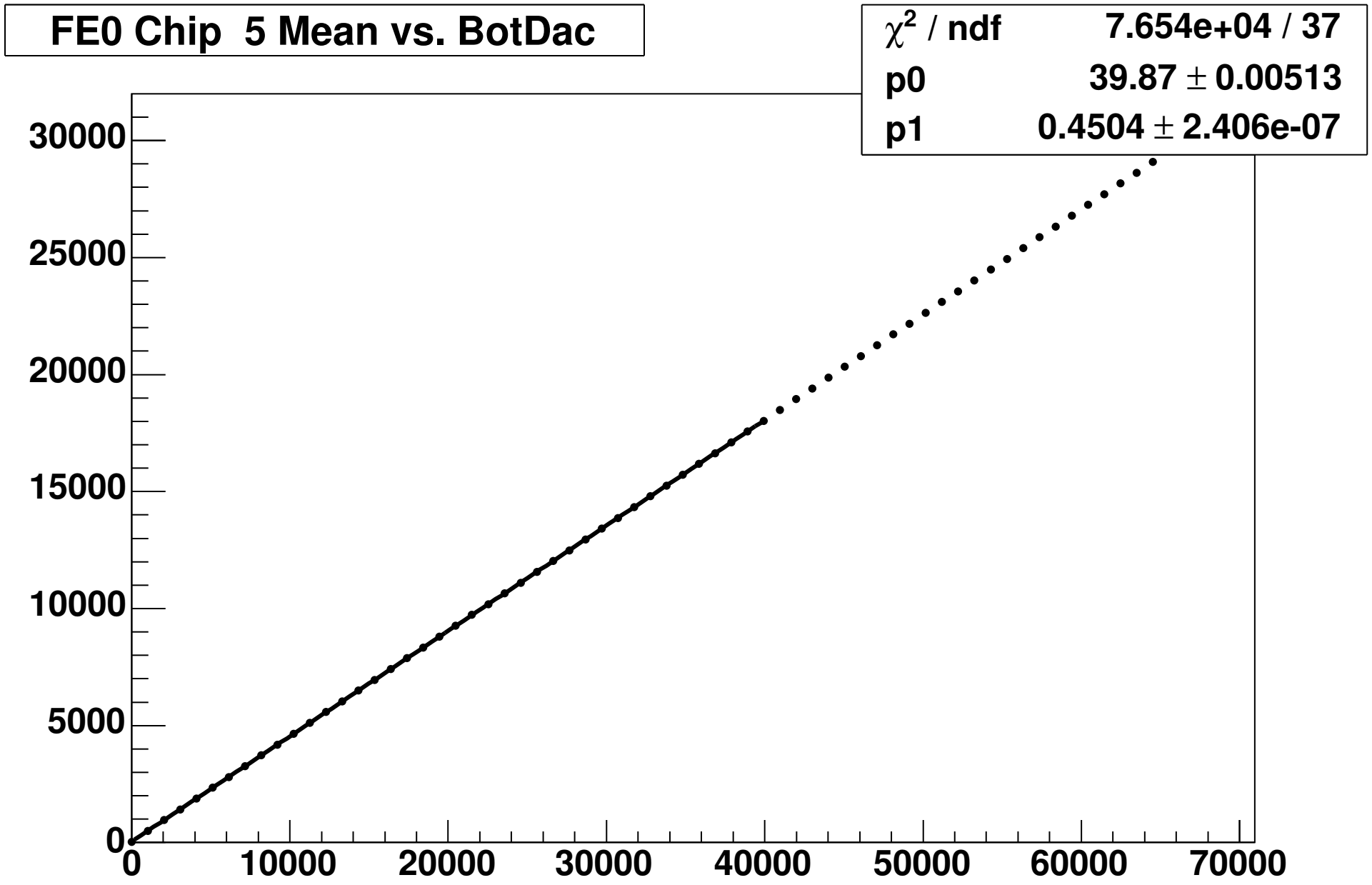
FE0 Chip 5 Mean vs. BotDac
χ² / ndf 7.654e+04 / 37
p0 39.87 ± 0.00513
p1 0.4504 ± 2.406e-07
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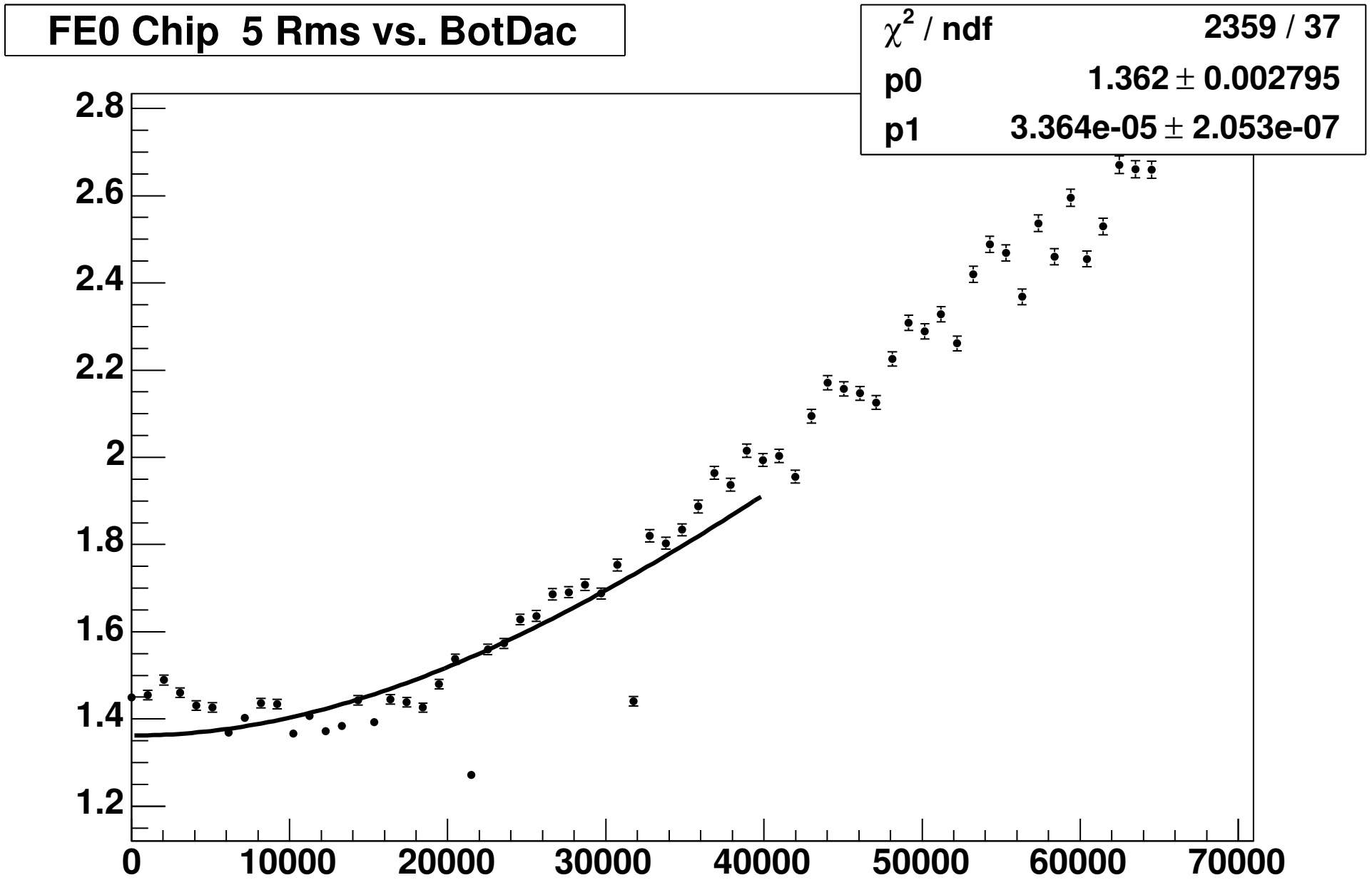
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 2359 / 37
p0 1.362 ± 0.002795
p1 3.364e-05 ± 2.053e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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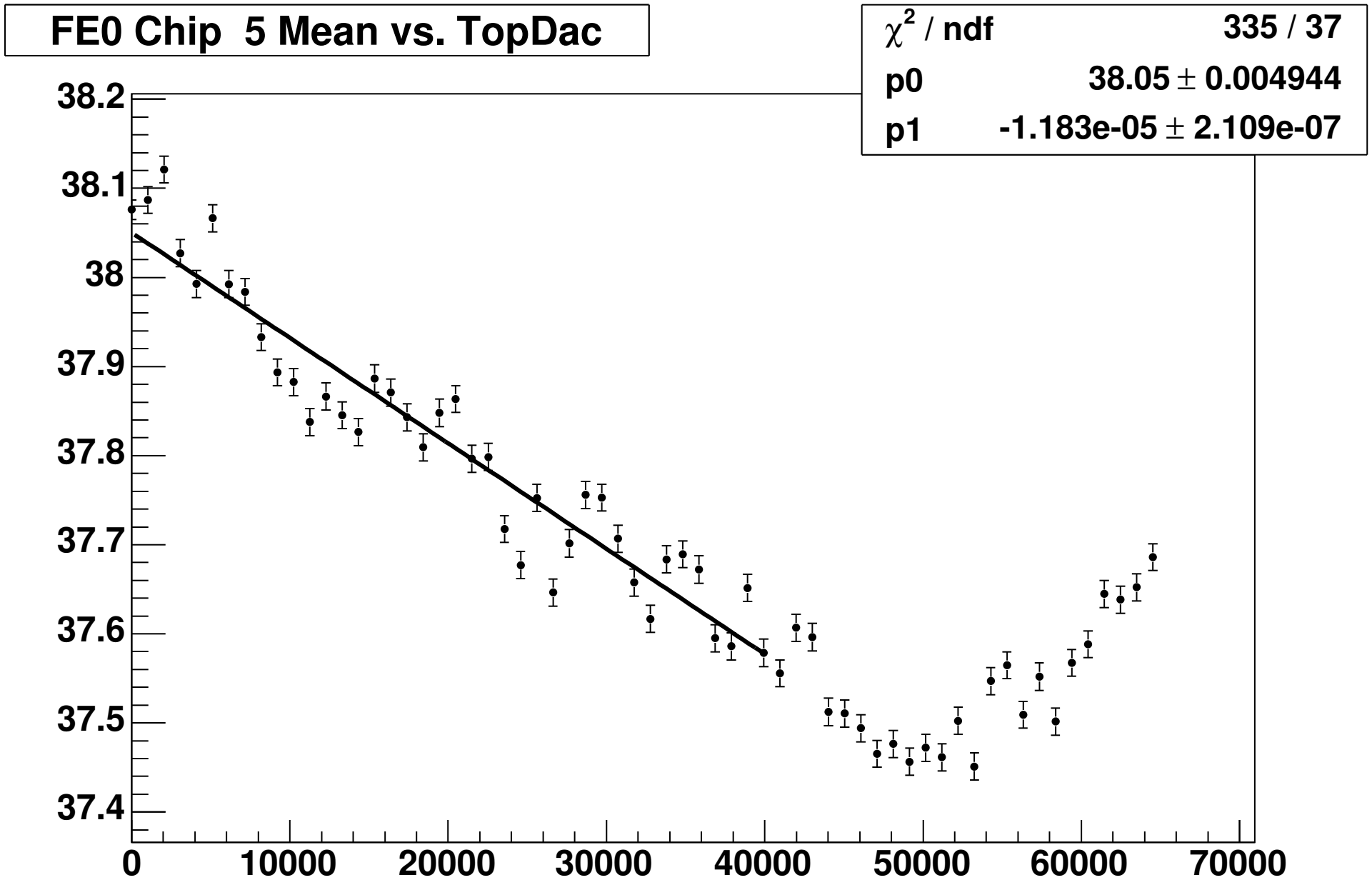
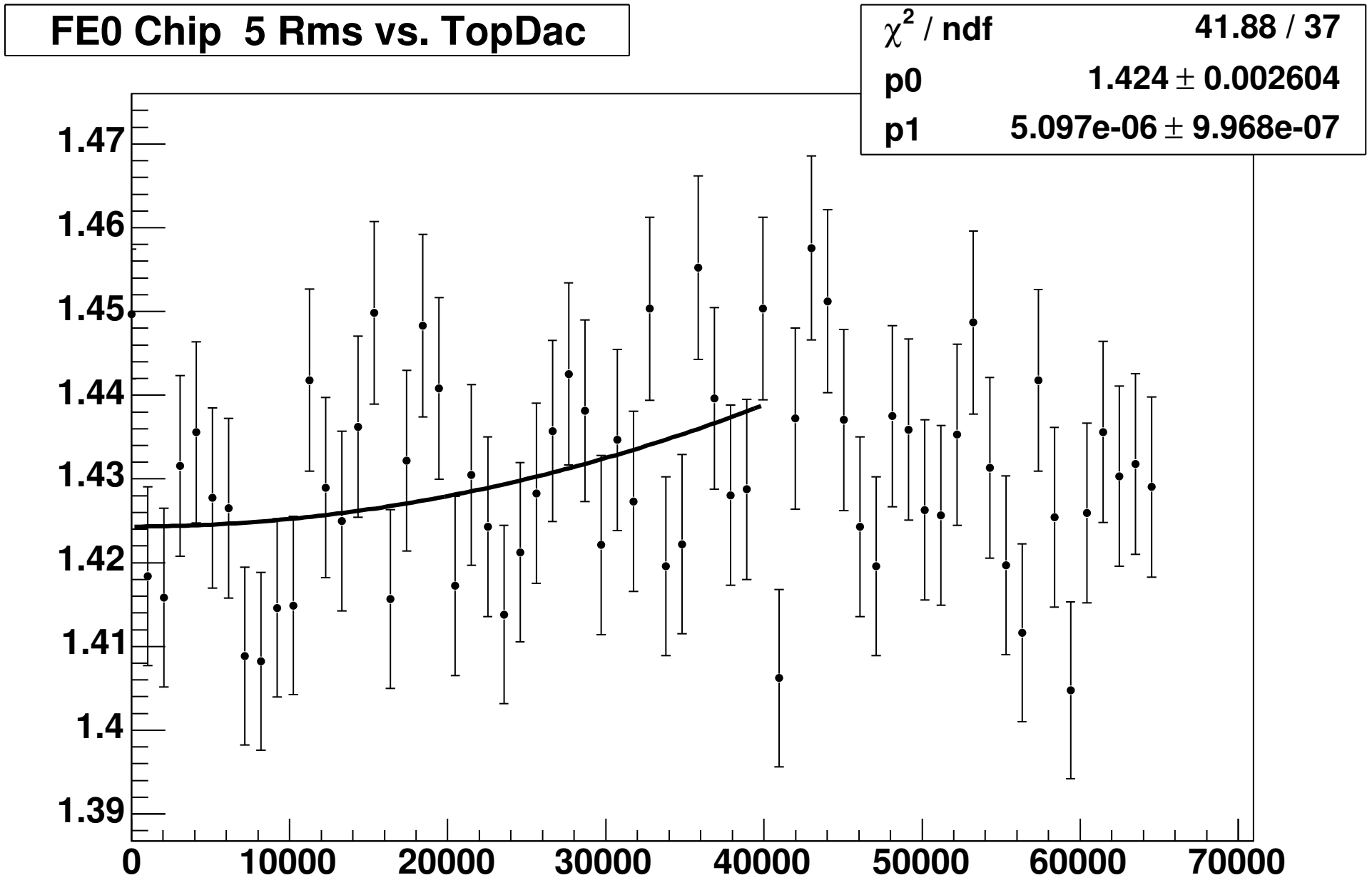

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 335 / 37
p0 38.05 ± 0.004944
p1 -1.183e-05 ± 2.109e-07
38.2
38.1
38
37.9
37.8
37.7
37.6
37.5
37.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 41.88 / 37
p0 1.424 ± 0.002604
p1 5.097e-06 ± 9.968e-07
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
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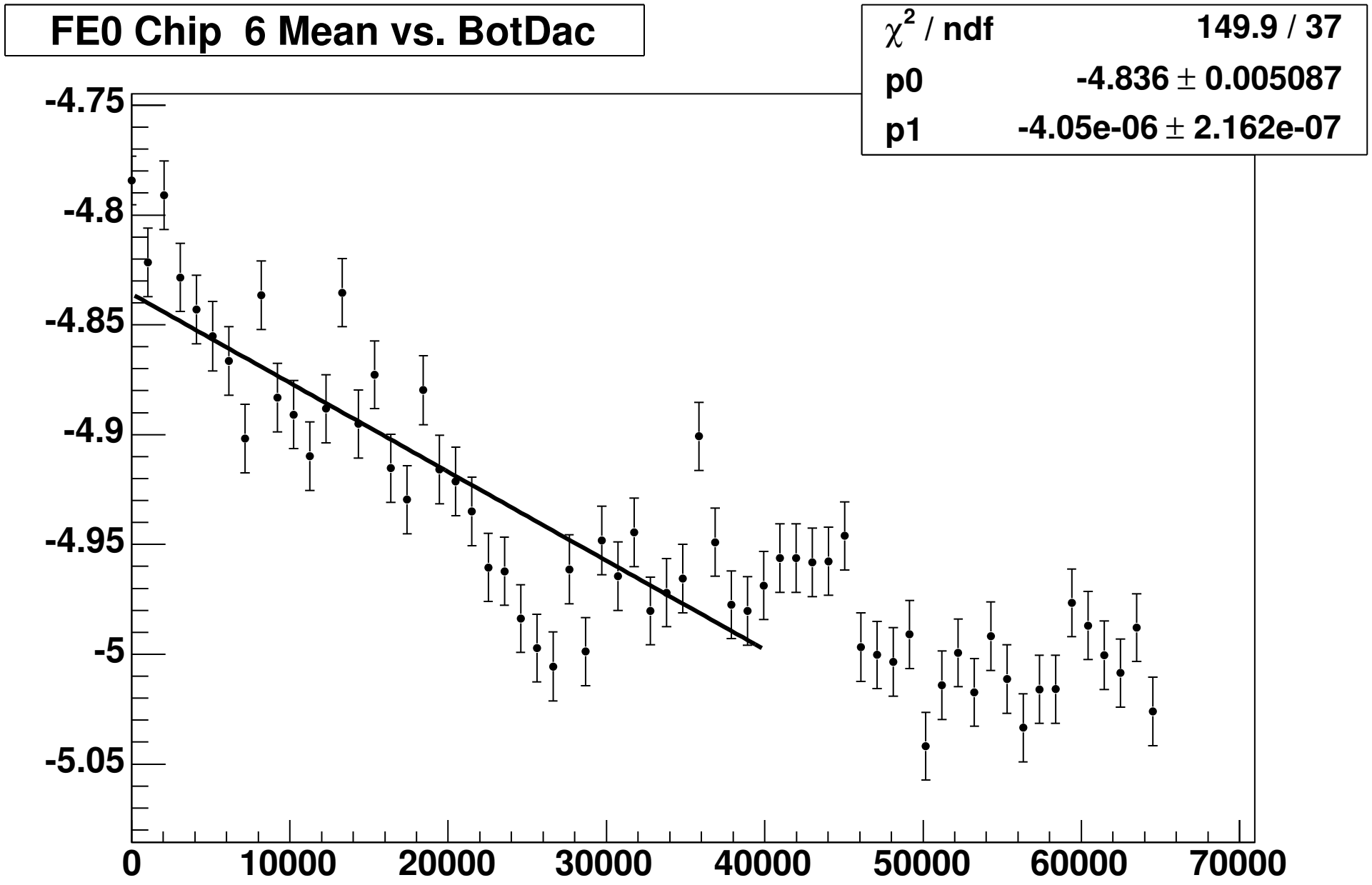
FE0 Chip 6 Mean vs. BotDac
χ² / ndf 149.9 / 37
p0 -4.836 ± 0.005087
p1 -4.05e-06 ± 2.162e-07
-4.75
-4.8
-4.85
-4.9
-4.95
-5
-5.05
0
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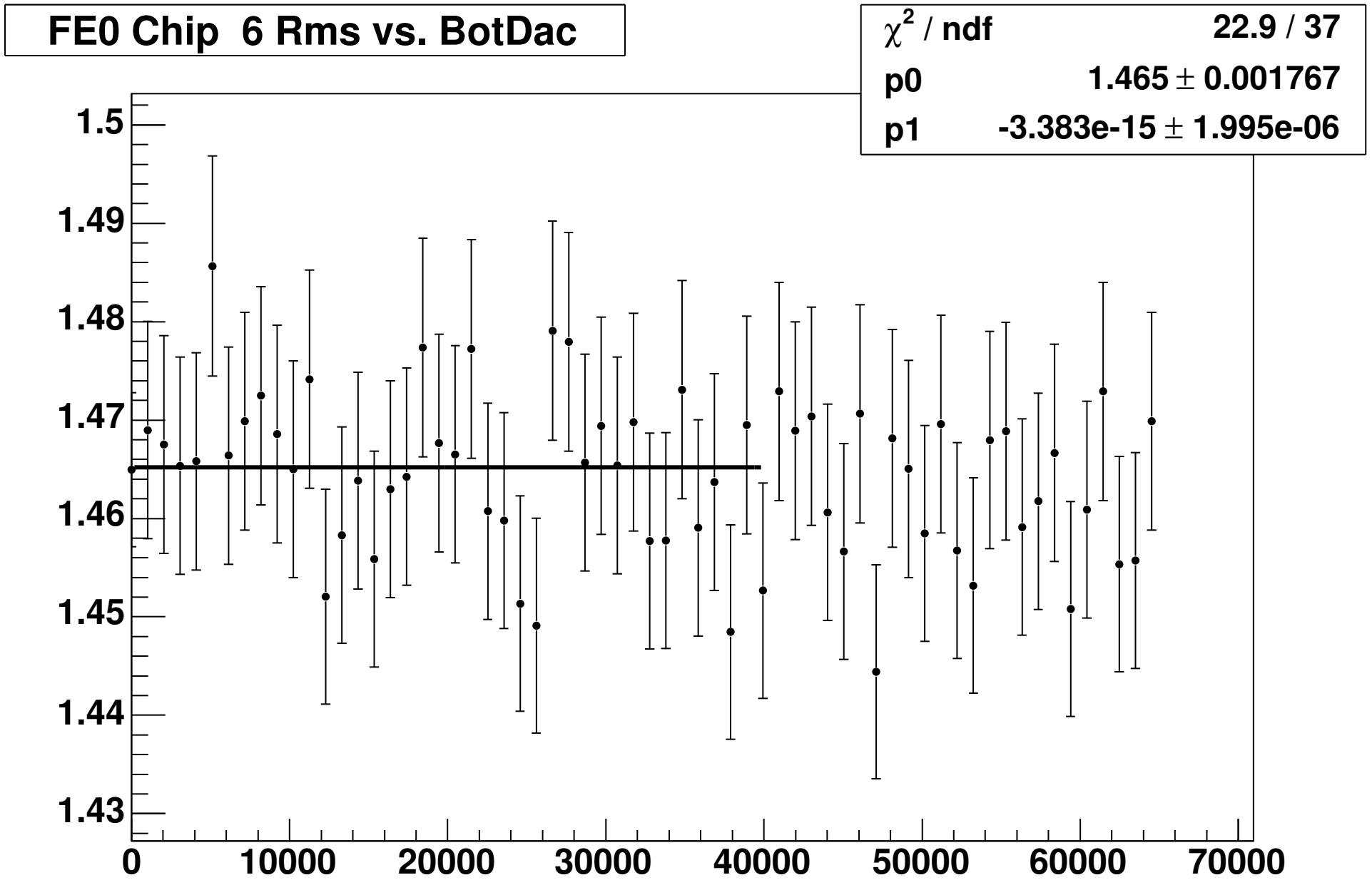
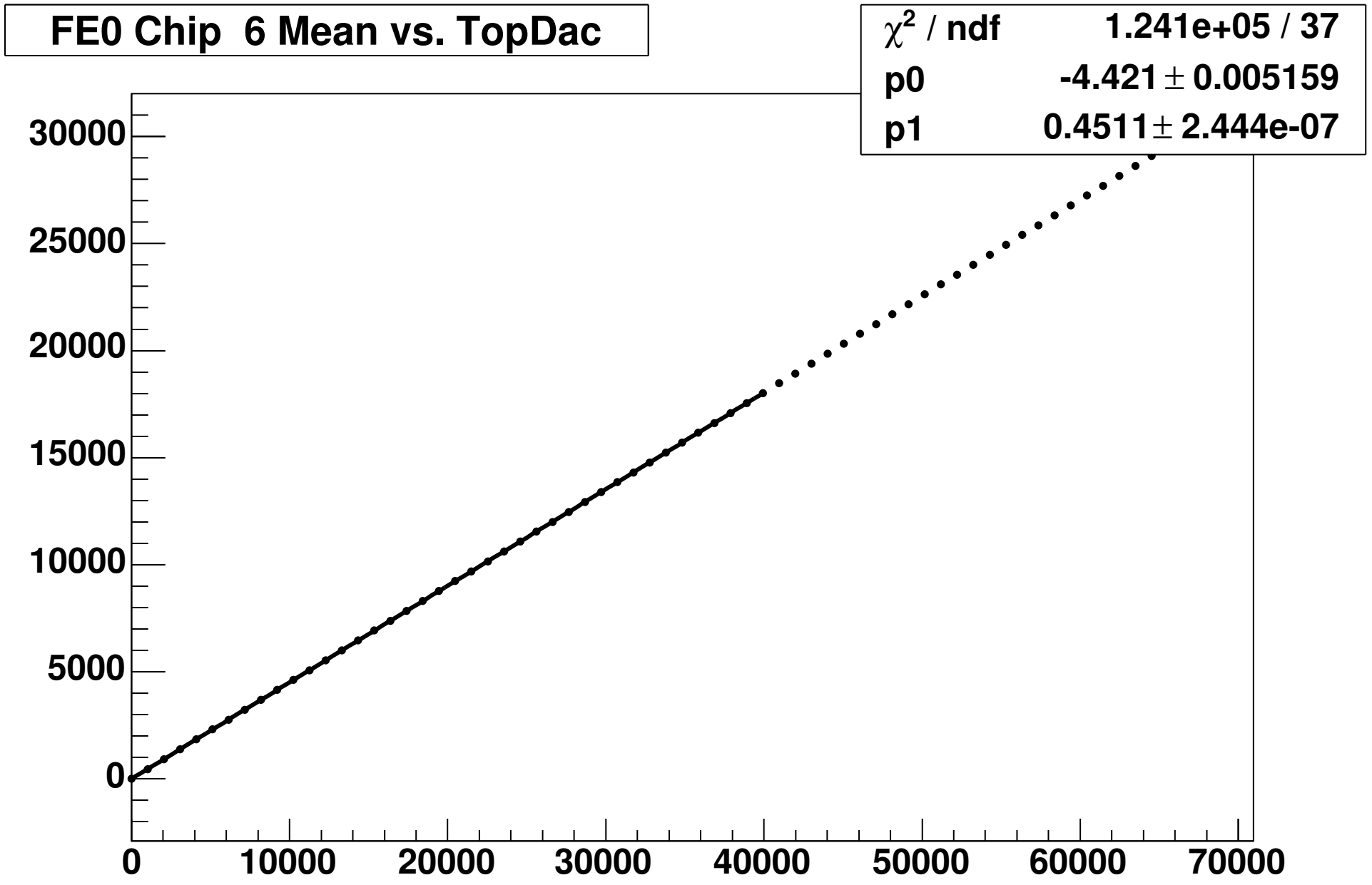
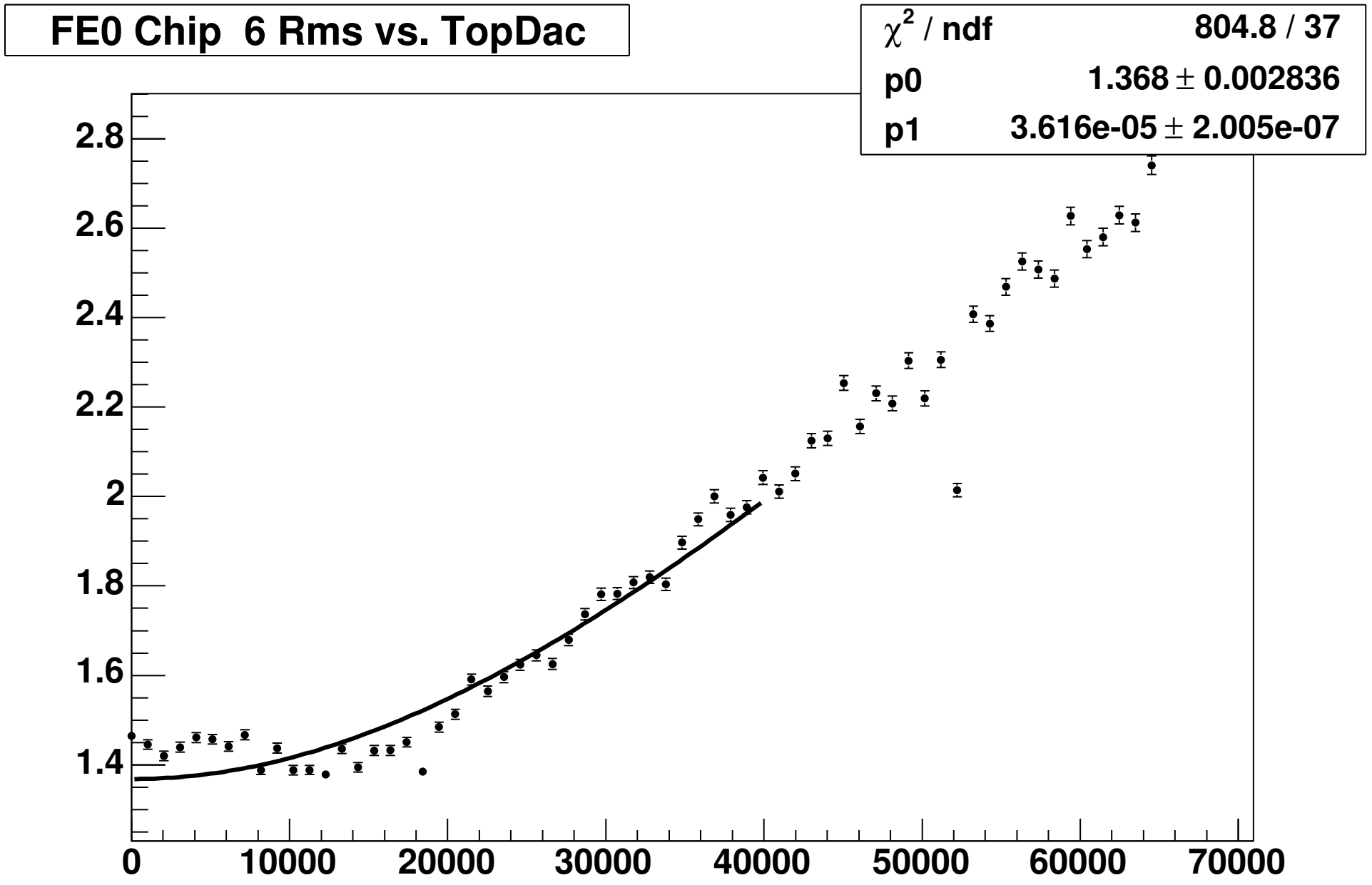
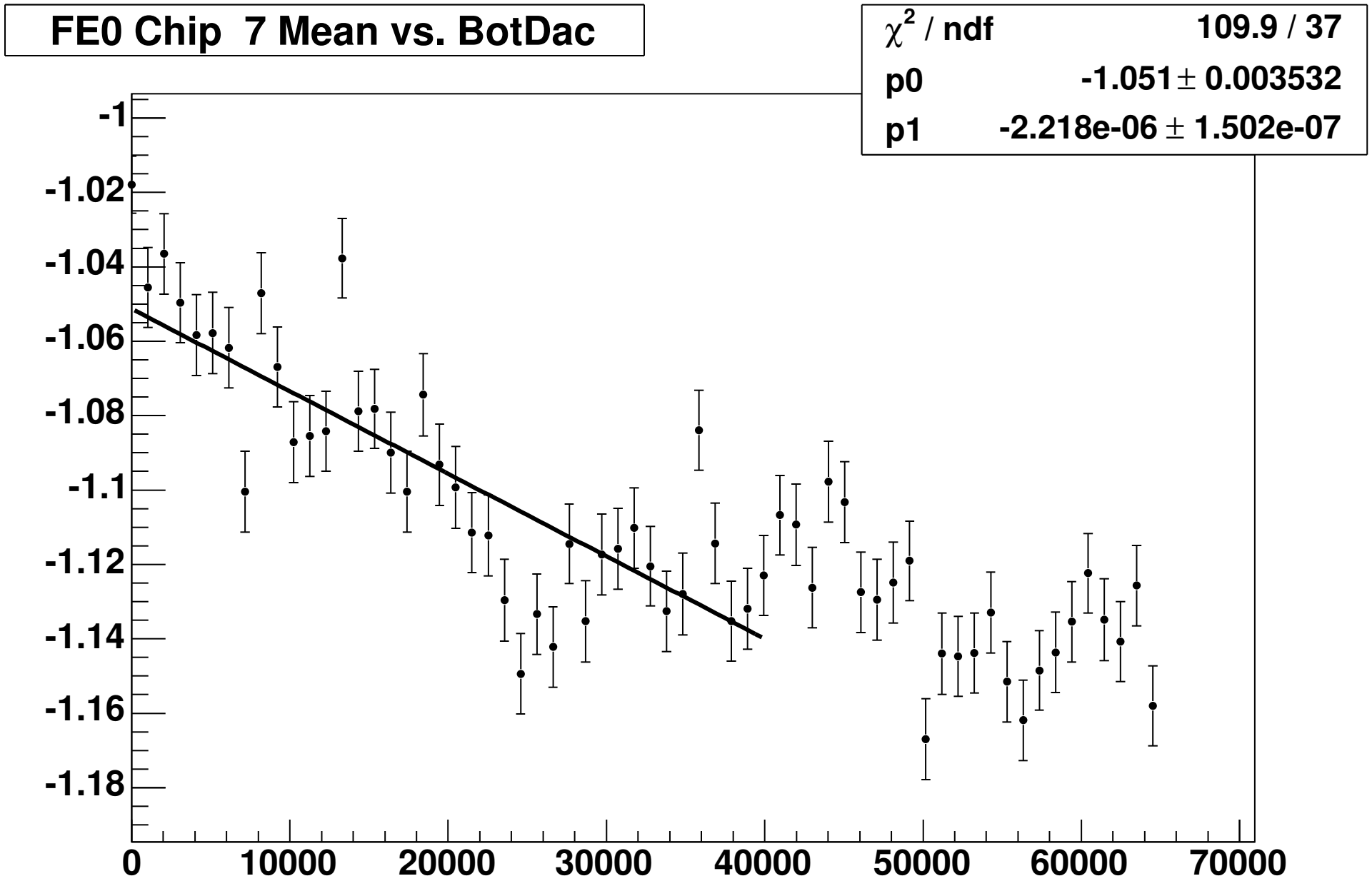
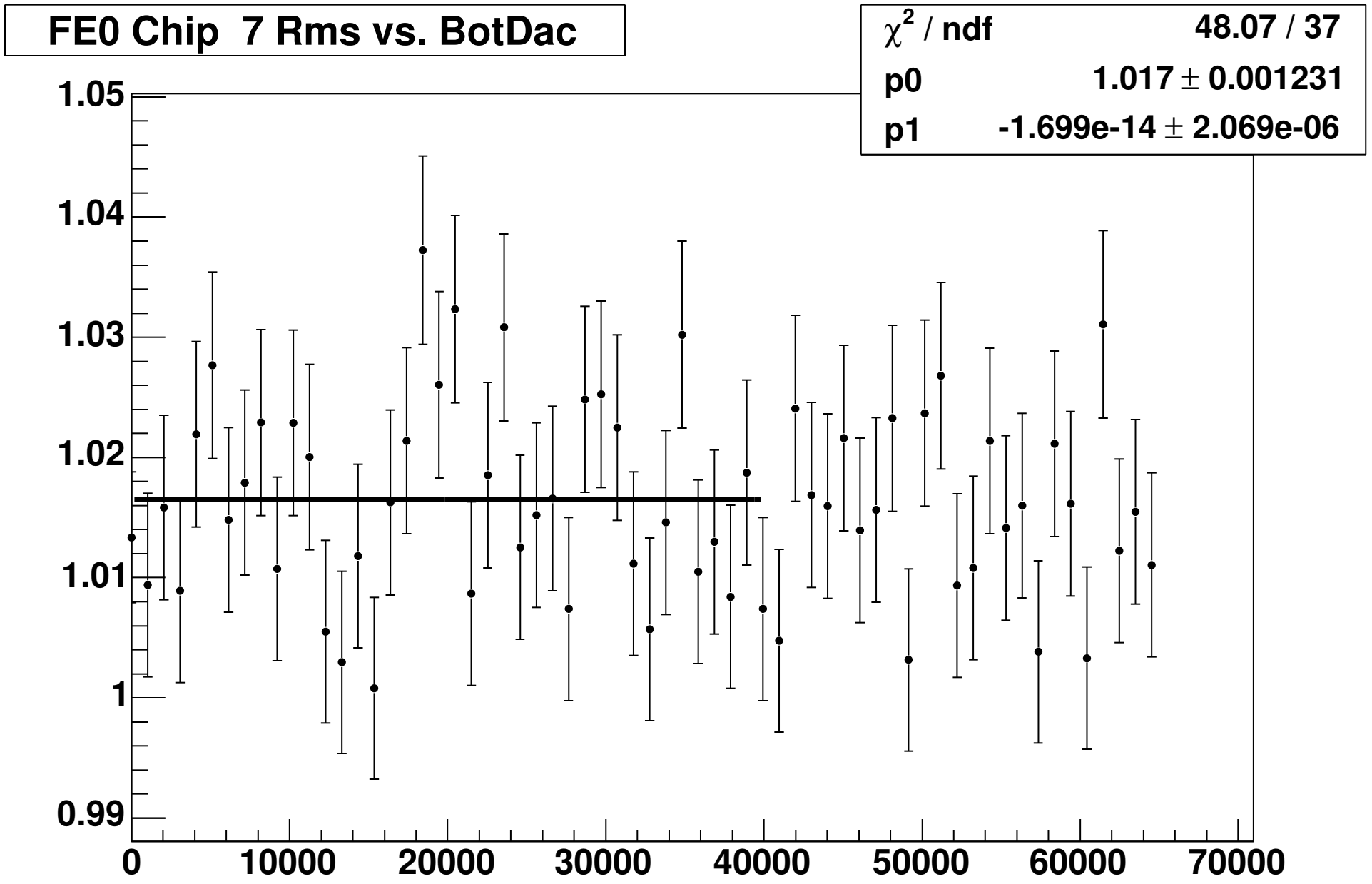
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 22.9 / 37
p0 1.465 ± 0.001767
p1 -3.383e-15 ± 1.995e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.241e+05 / 37
p0 -4.421 ± 0.005159
p1 0.4511 ± 2.444e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 804.8 / 37
p0 1.368 ± 0.002836
p1 3.616e-05 ± 2.005e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 109.9 / 37
p0 -1.051 ± 0.003532
p1 -2.218e-06 ± 1.502e-07
-1
-1.02
-1.04
-1.06
-1.08
-1.1
-1.12
-1.14
-1.16
-1.18
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 48.07 / 37
p0 1.017 ± 0.001231
p1 -1.699e-14 ± 2.069e-06
1.05
1.04
1.03
1.02
1.01
1
0.99
0
10000
20000
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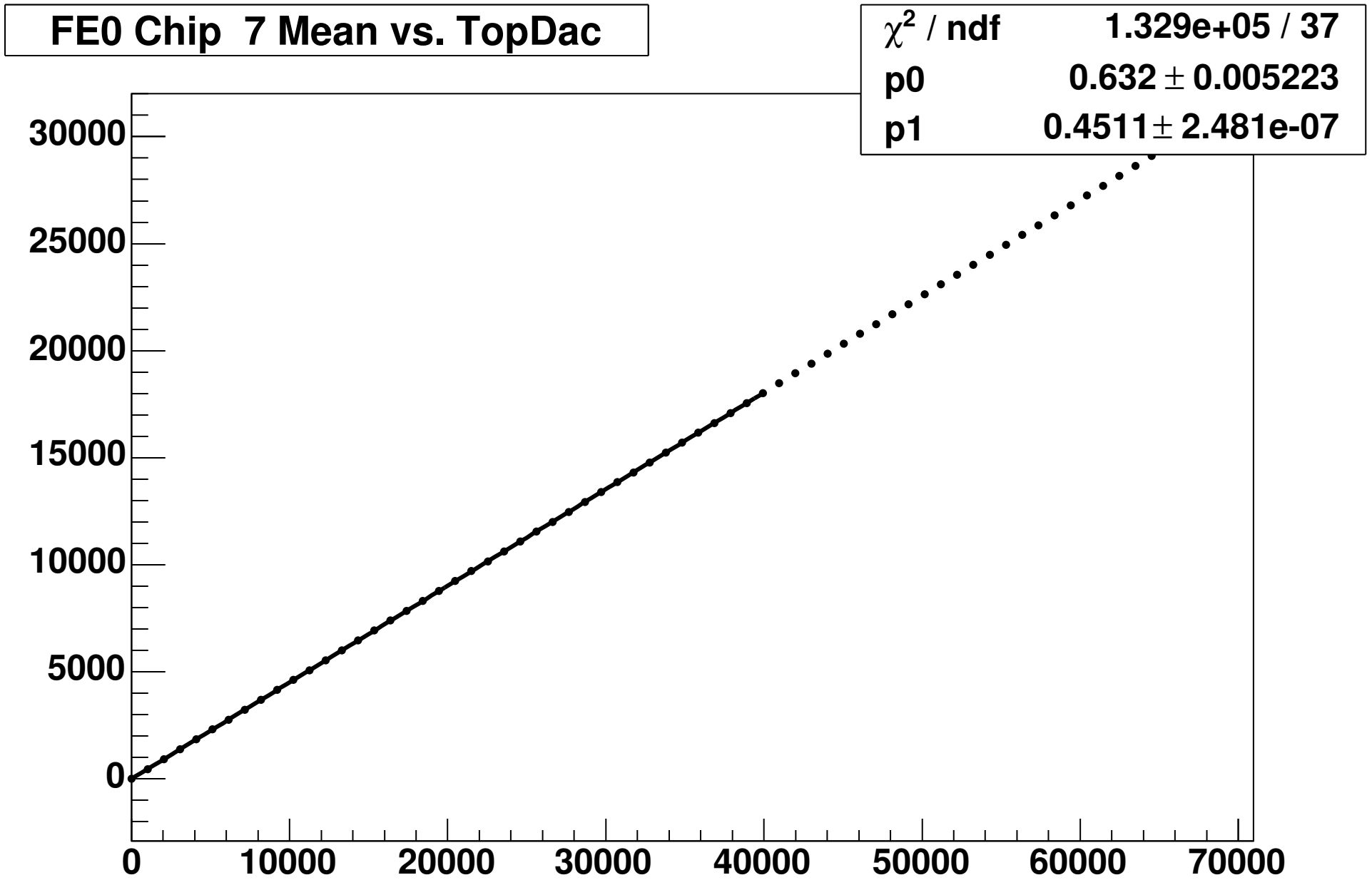
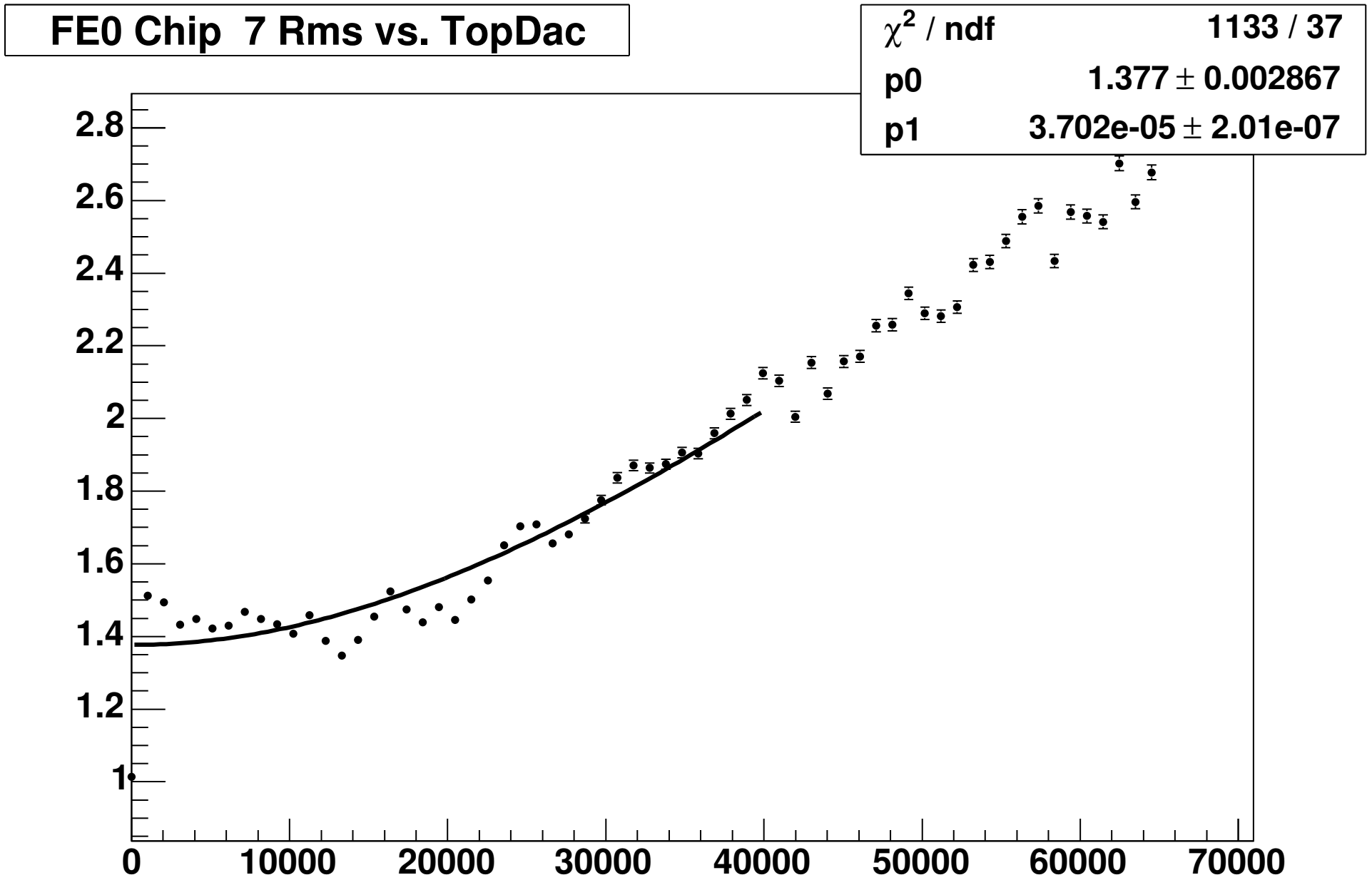
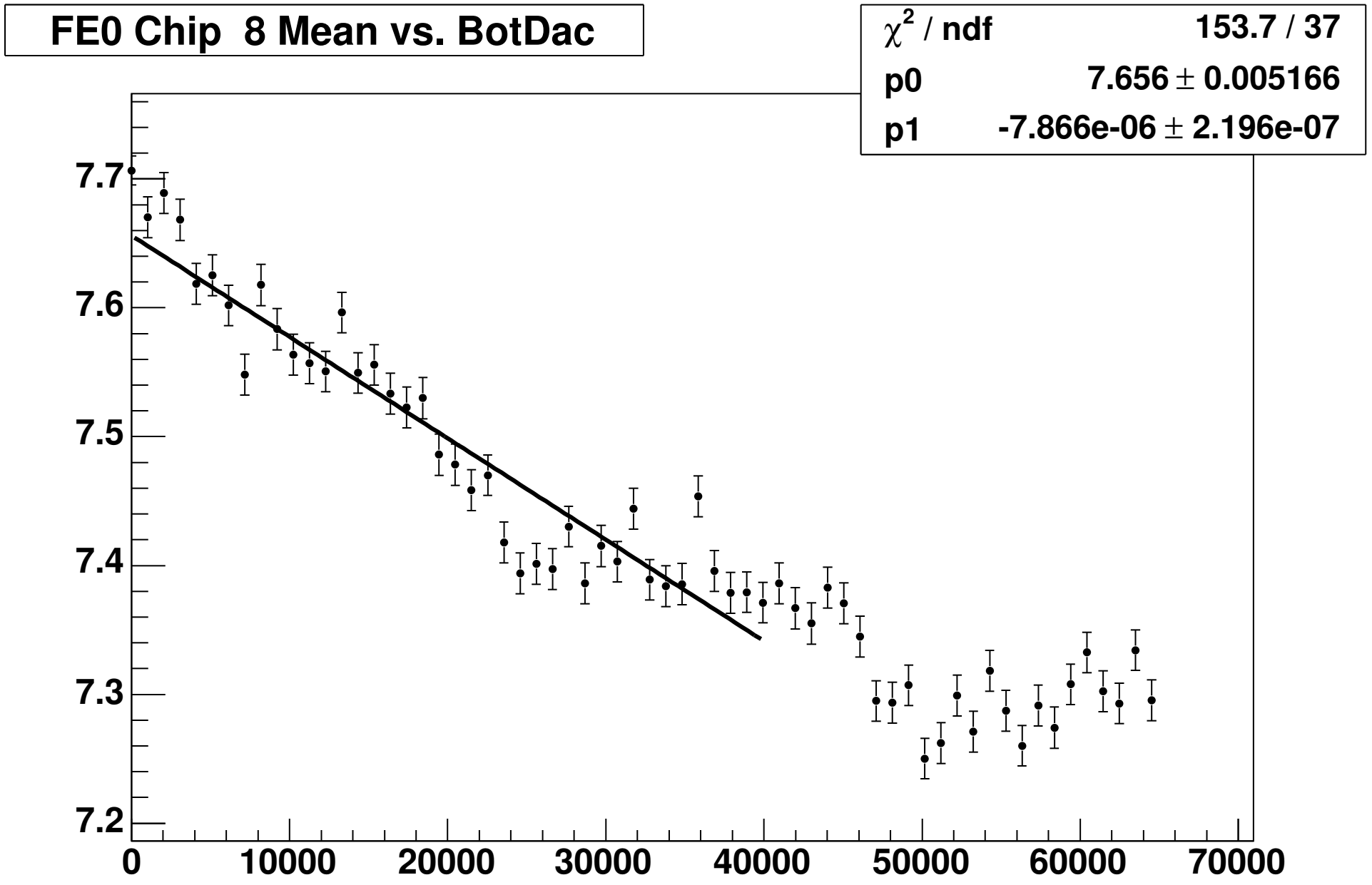
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.329e+05 / 37
p0 0.632 ± 0.005223
p1 0.4511 ± 2.481e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1133 / 37
p0 1.377 ± 0.002867
p1 3.702e-05 ± 2.01e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 153.7 / 37
p0 7.656 ± 0.005166
p1 -7.866e-06 ± 2.196e-07
7.7
7.6
7.5
7.4
7.3
7.2
0
10000
20000
30000
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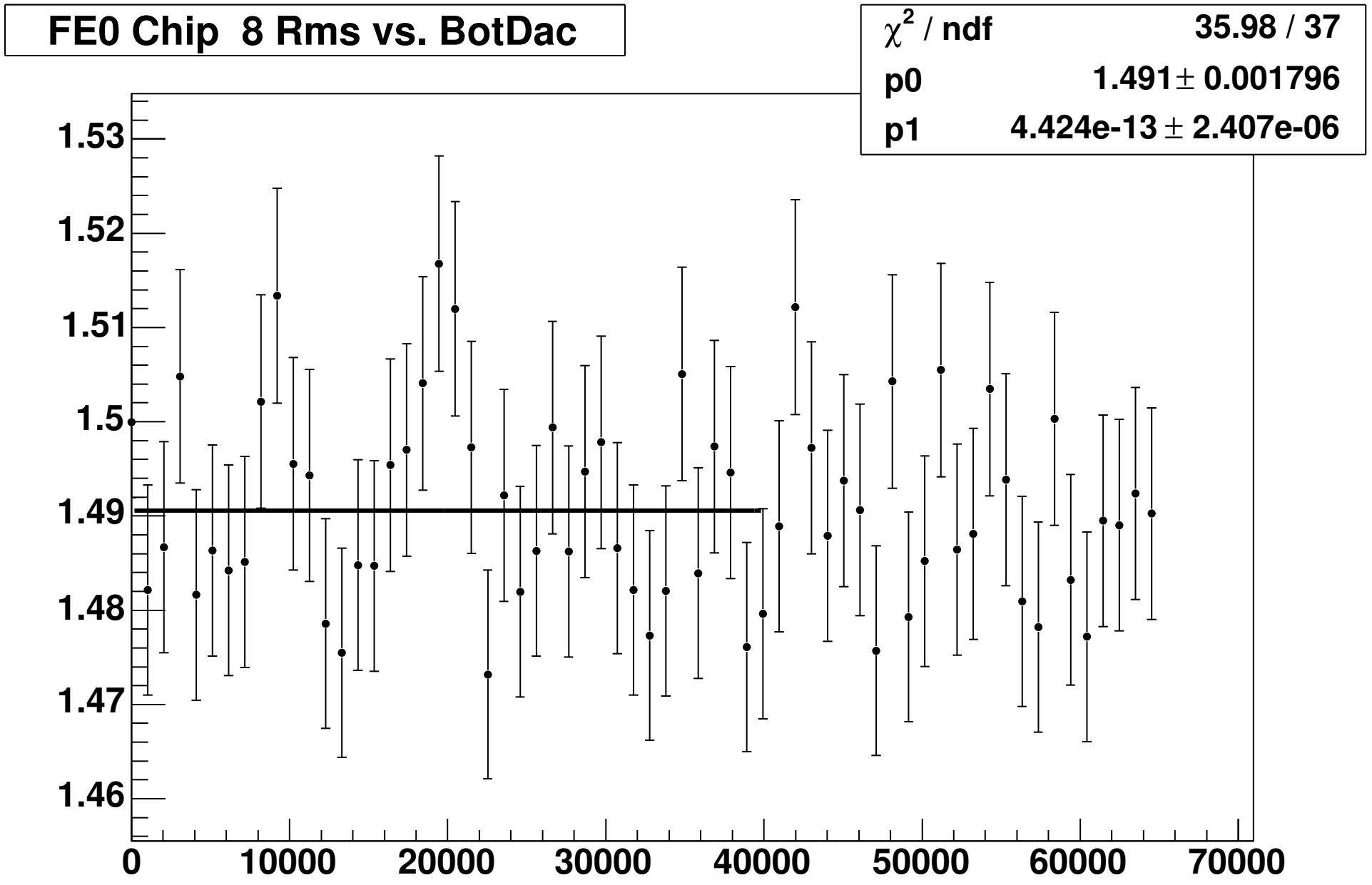
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 35.98 / 37
p0 1.491 ± 0.001796
p1 4.424e-13 ± 2.407e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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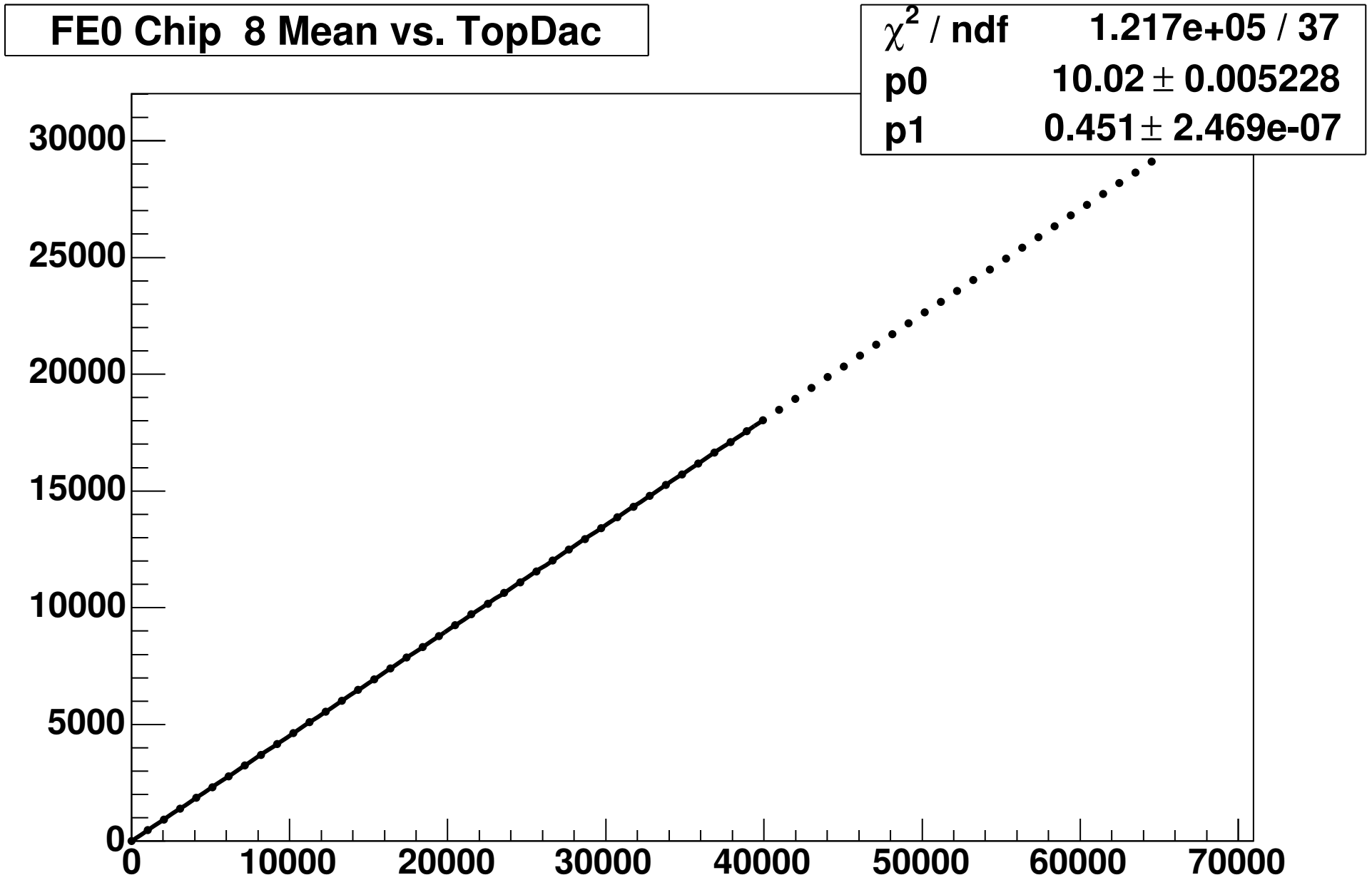
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.217e+05 / 37
p0 10.02 ± 0.005228
p1 0.451 ± 2.469e-07
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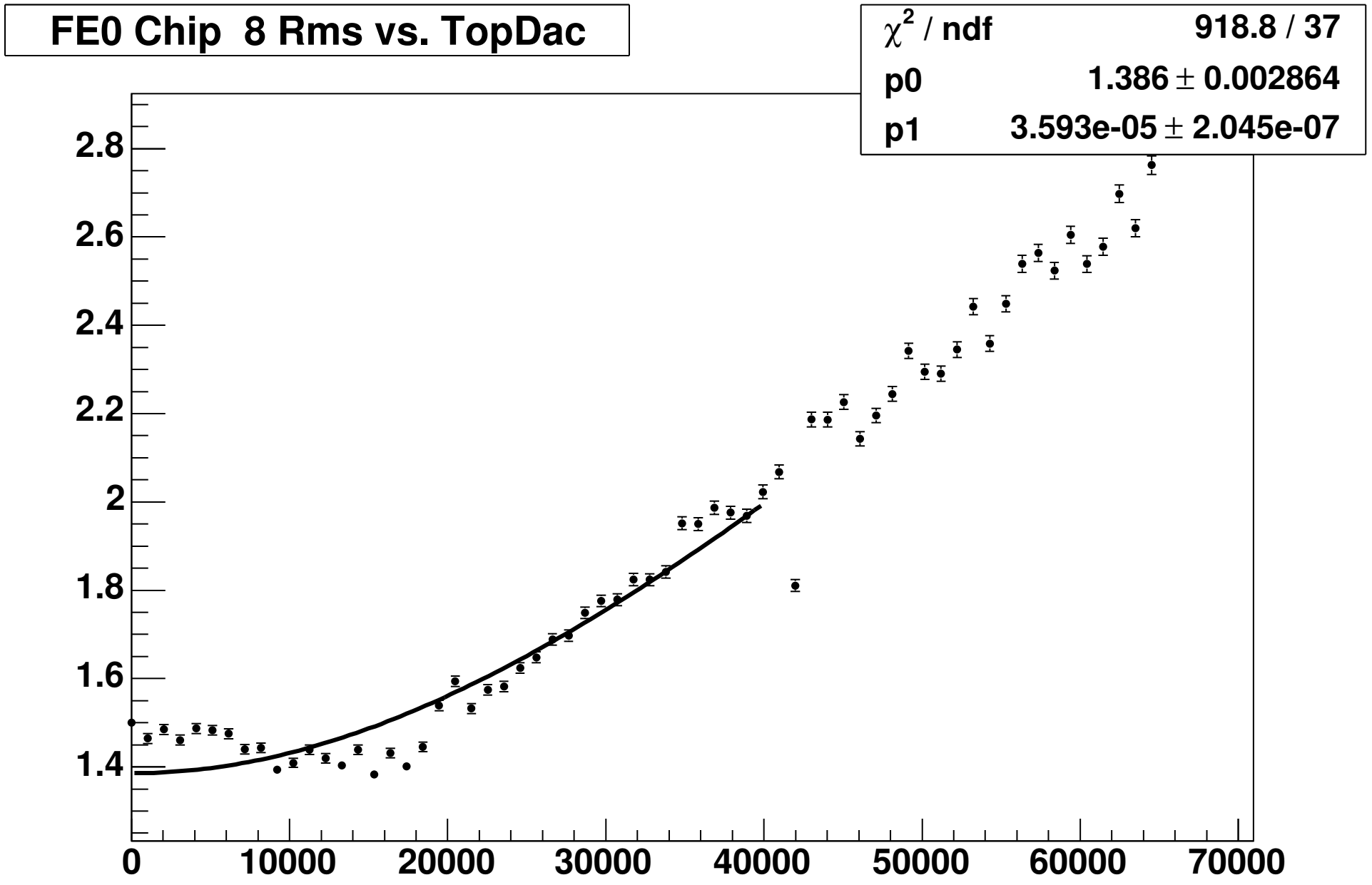
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 918.8 / 37
p0 1.386 ± 0.002864
p1 3.593e-05 ± 2.045e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
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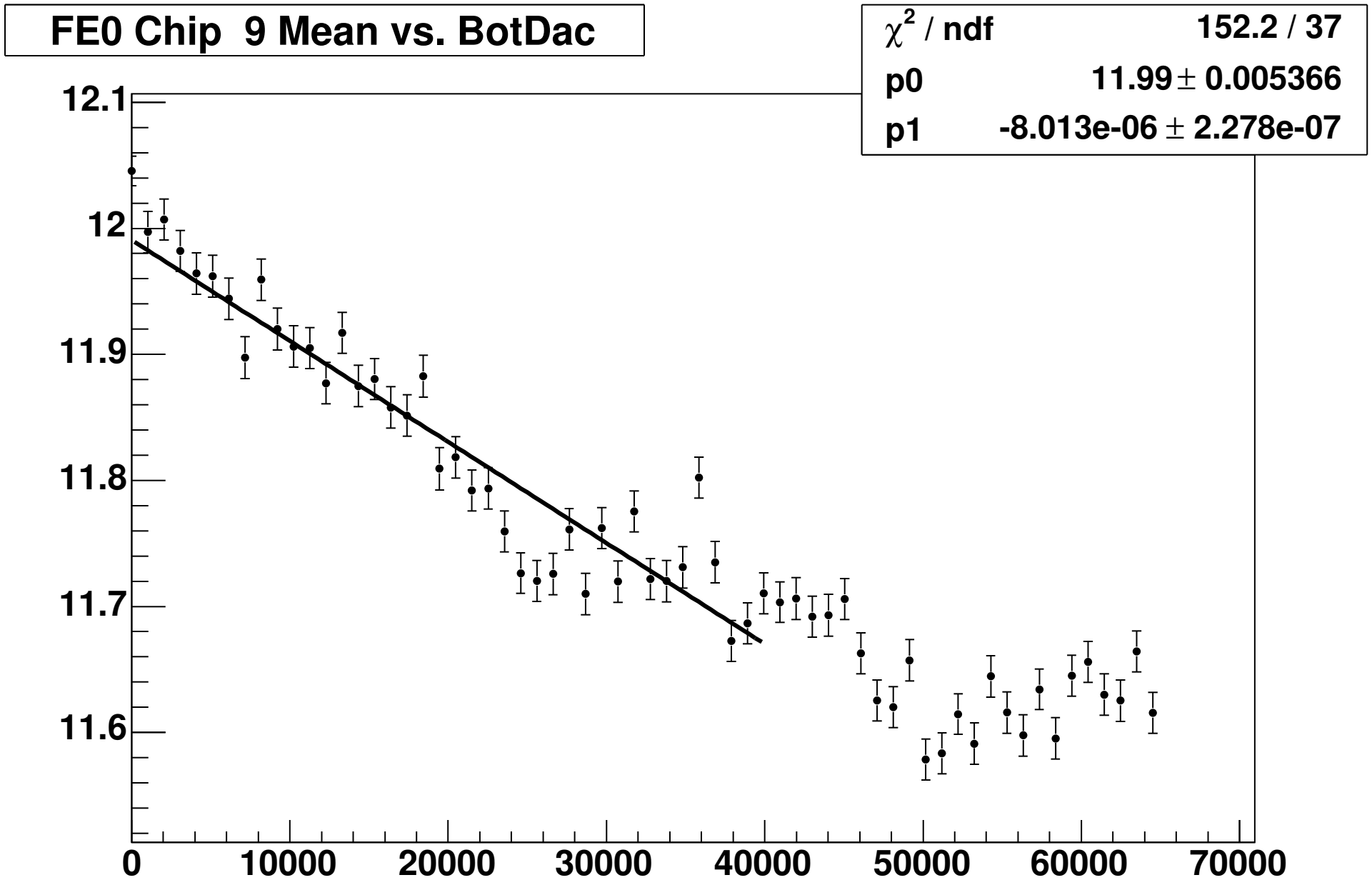
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 152.2 / 37
p0 11.99 ± 0.005366
p1 -8.013e-06 ± 2.278e-07
12.1
12
11.9
11.8
11.7
11.6
0
10000
20000
30000
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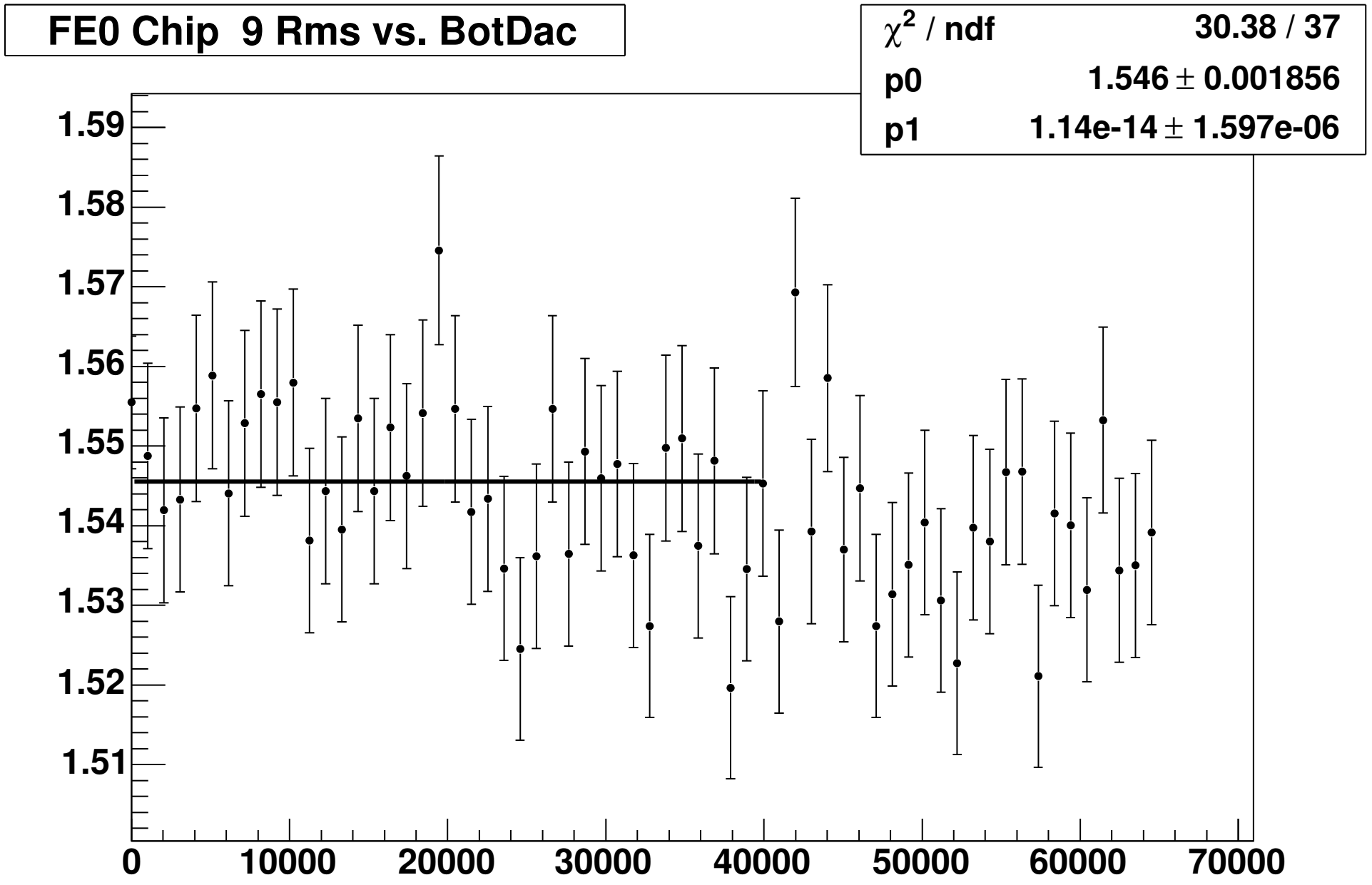
50000
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 30.38 / 37
p0 1.546 ± 0.001856
p1 1.14e-14 ± 1.597e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
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50000
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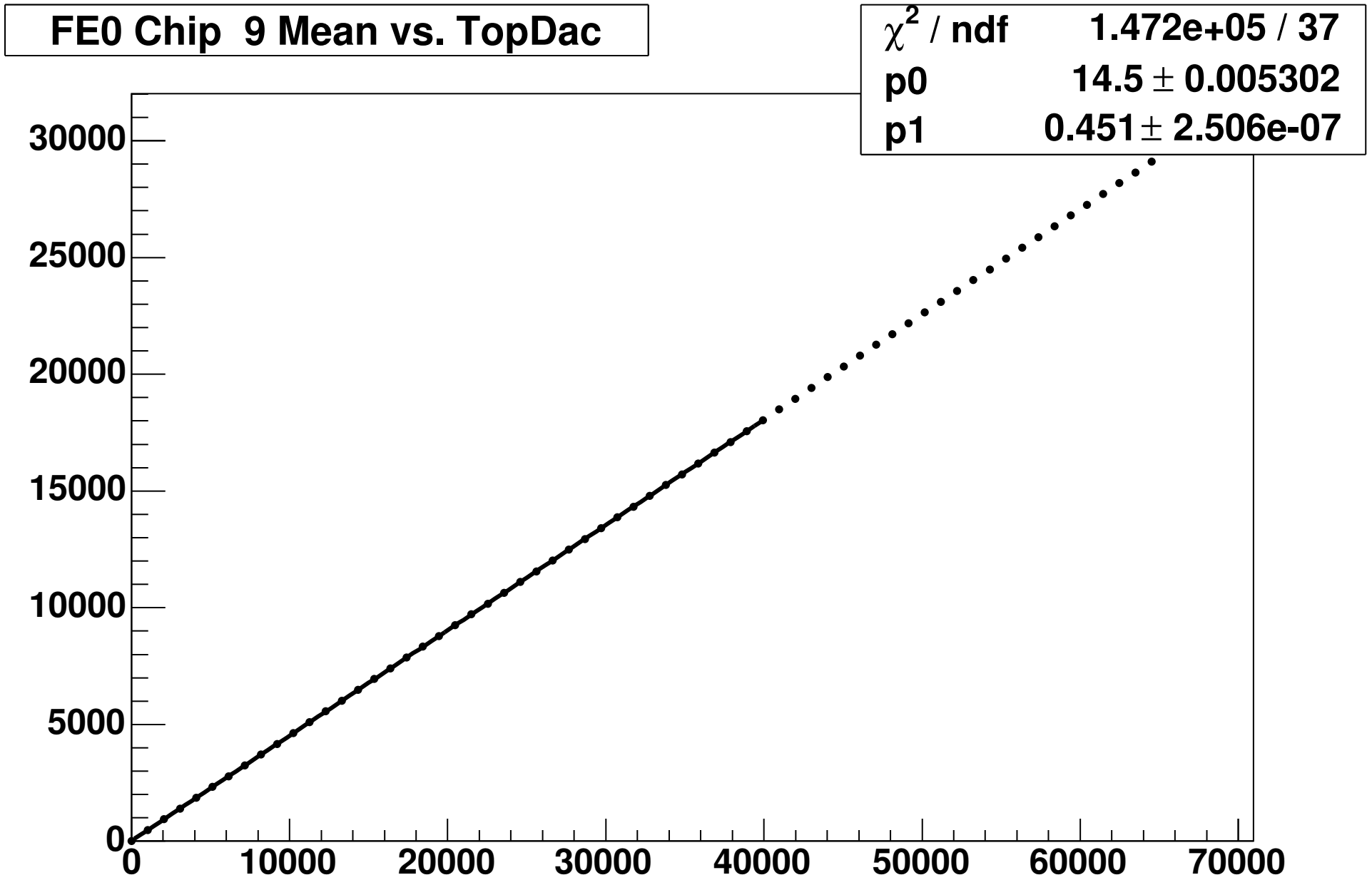
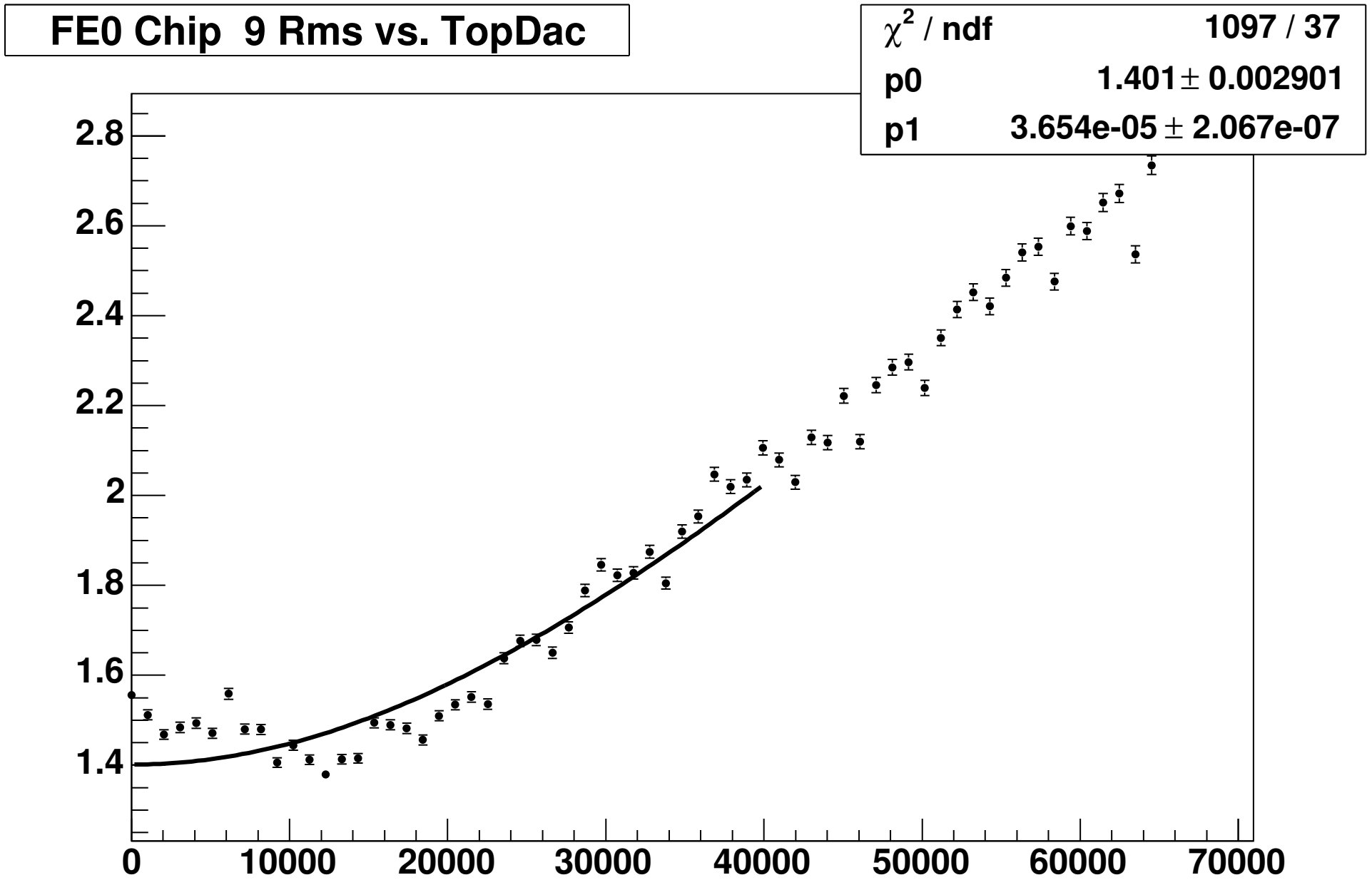

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.472e+05 / 37
p0 14.5 ± 0.005302
p1 0.451 ± 2.506e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1097 / 37
p0 1.401 ± 0.002901
p1 3.654e-05 ± 2.067e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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60000
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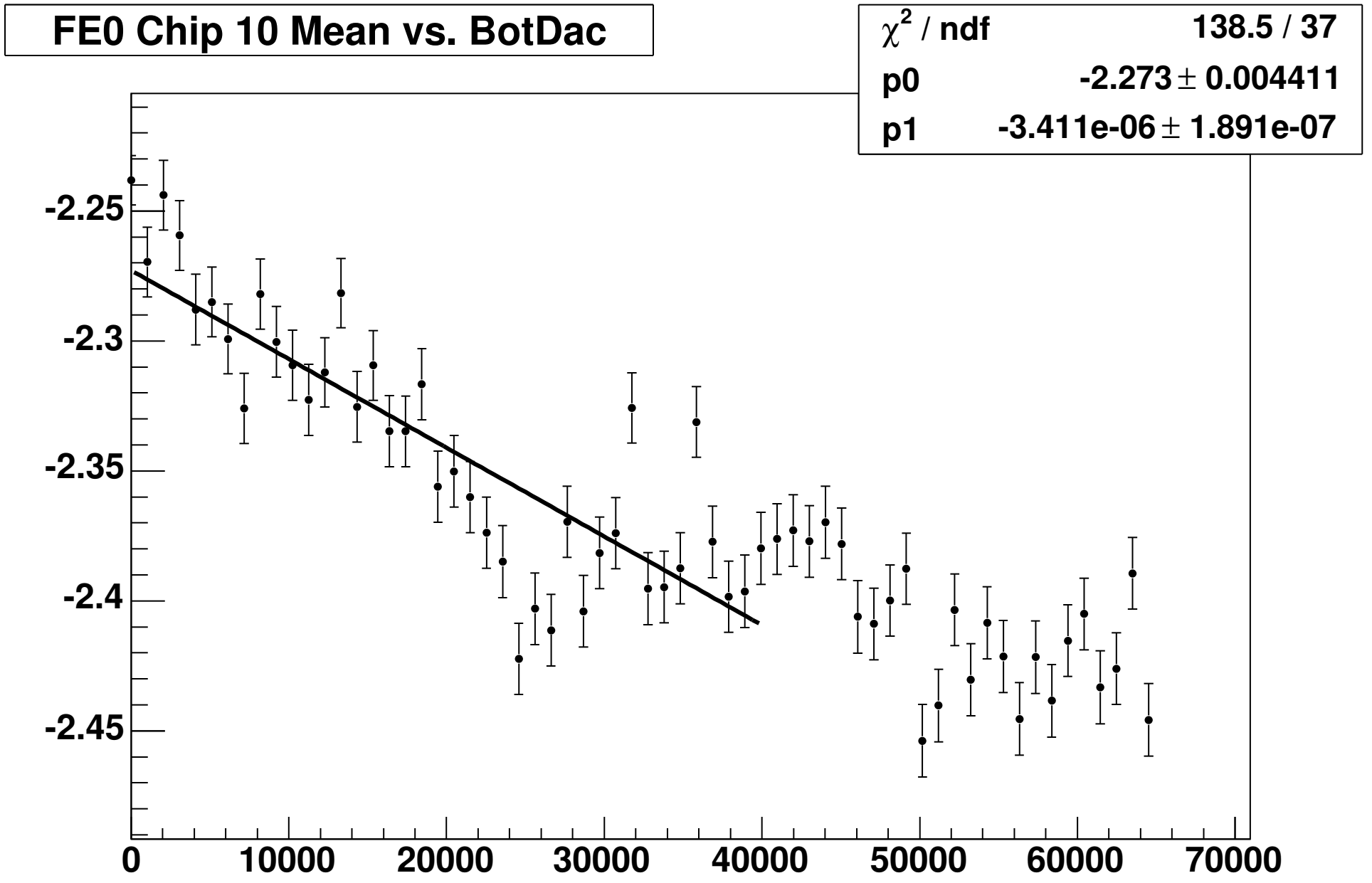
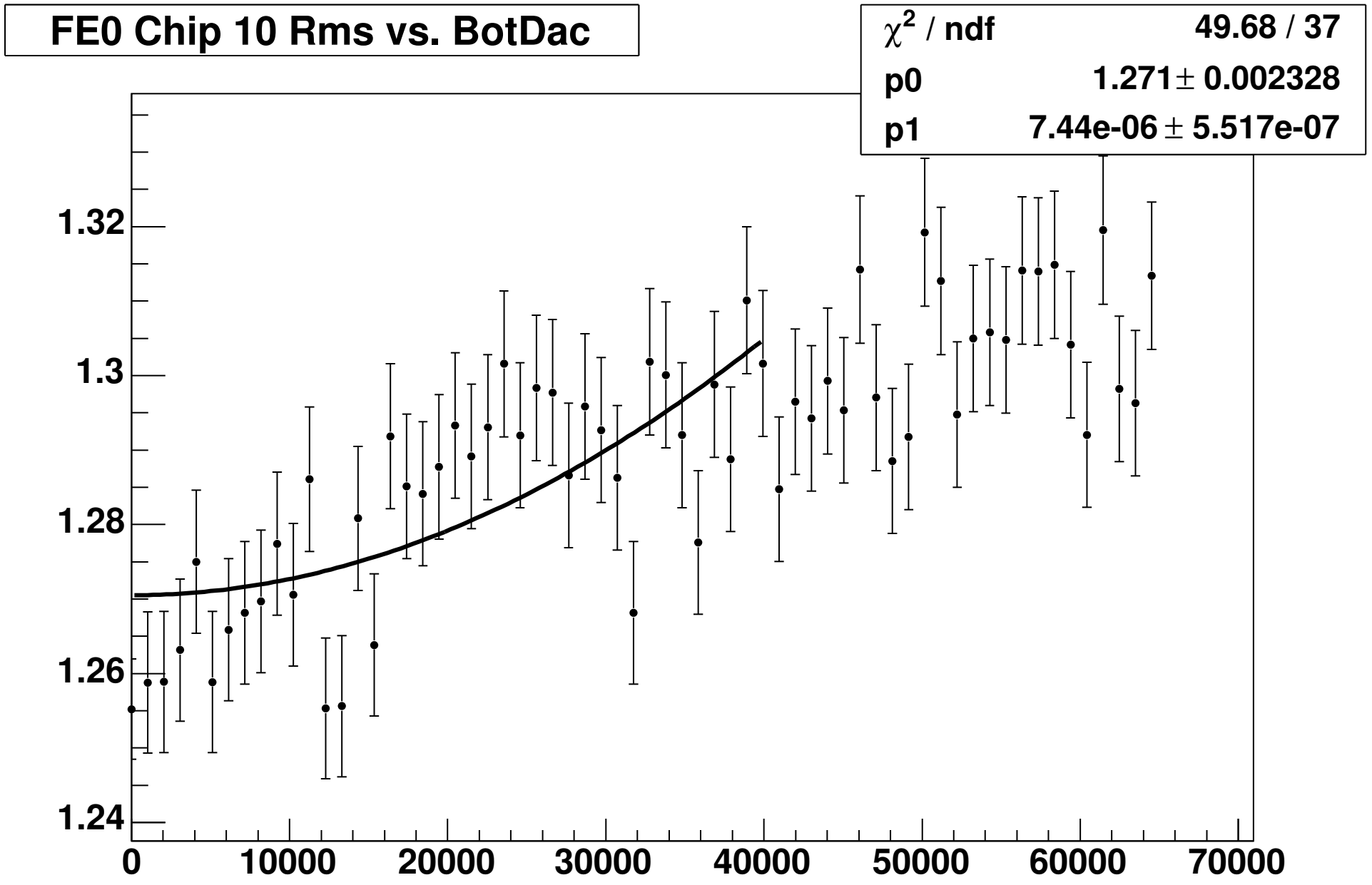
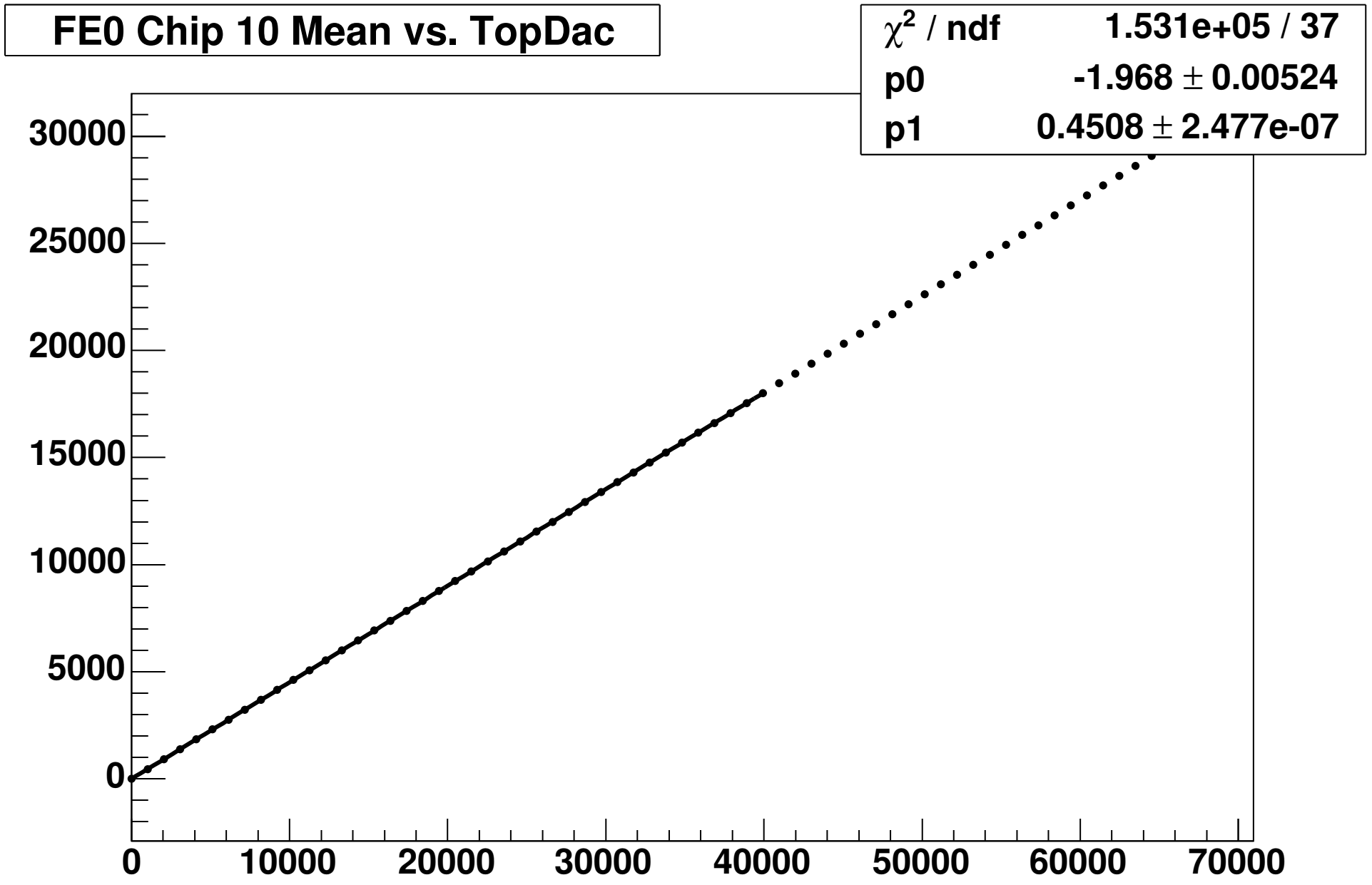
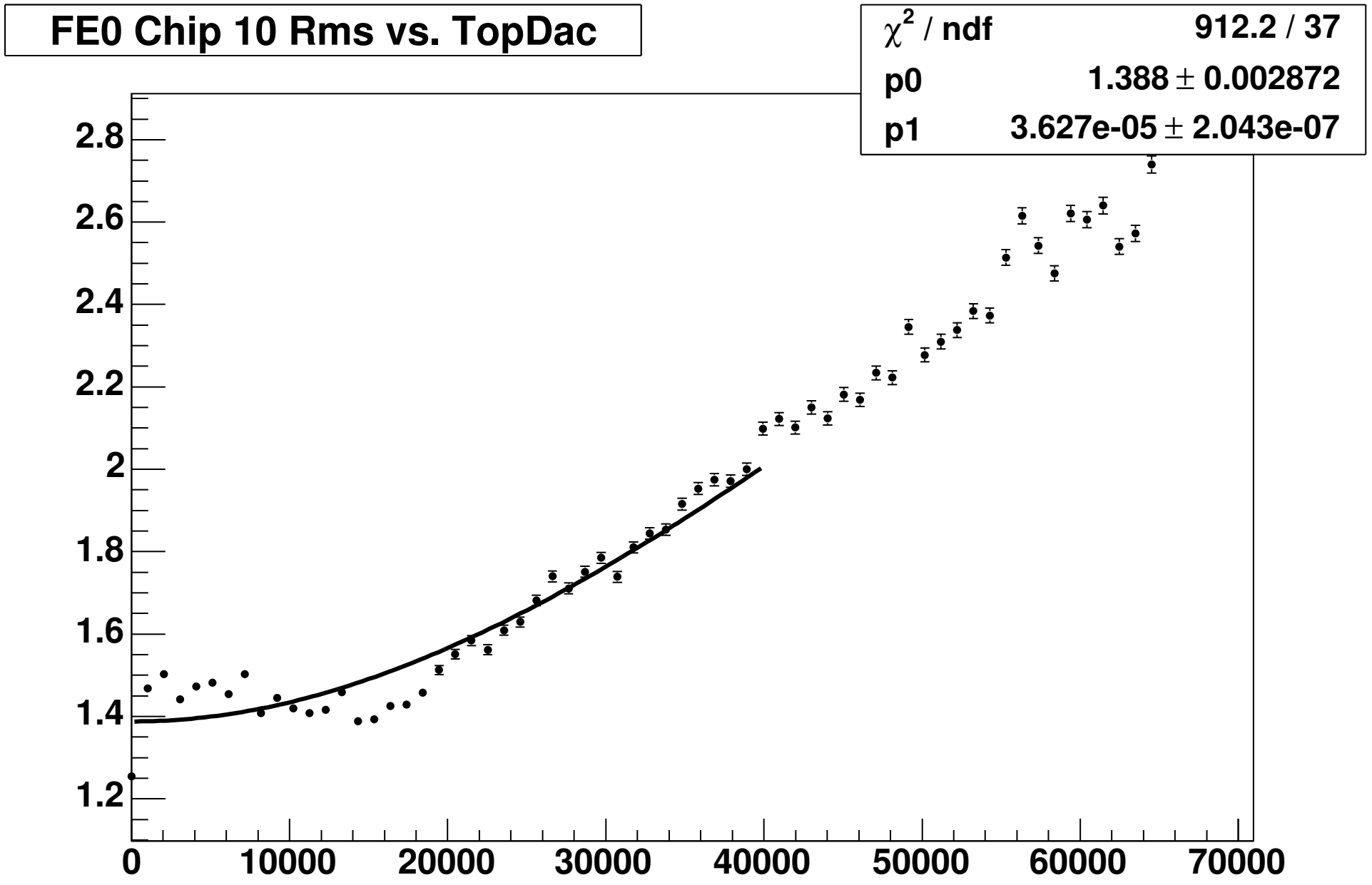
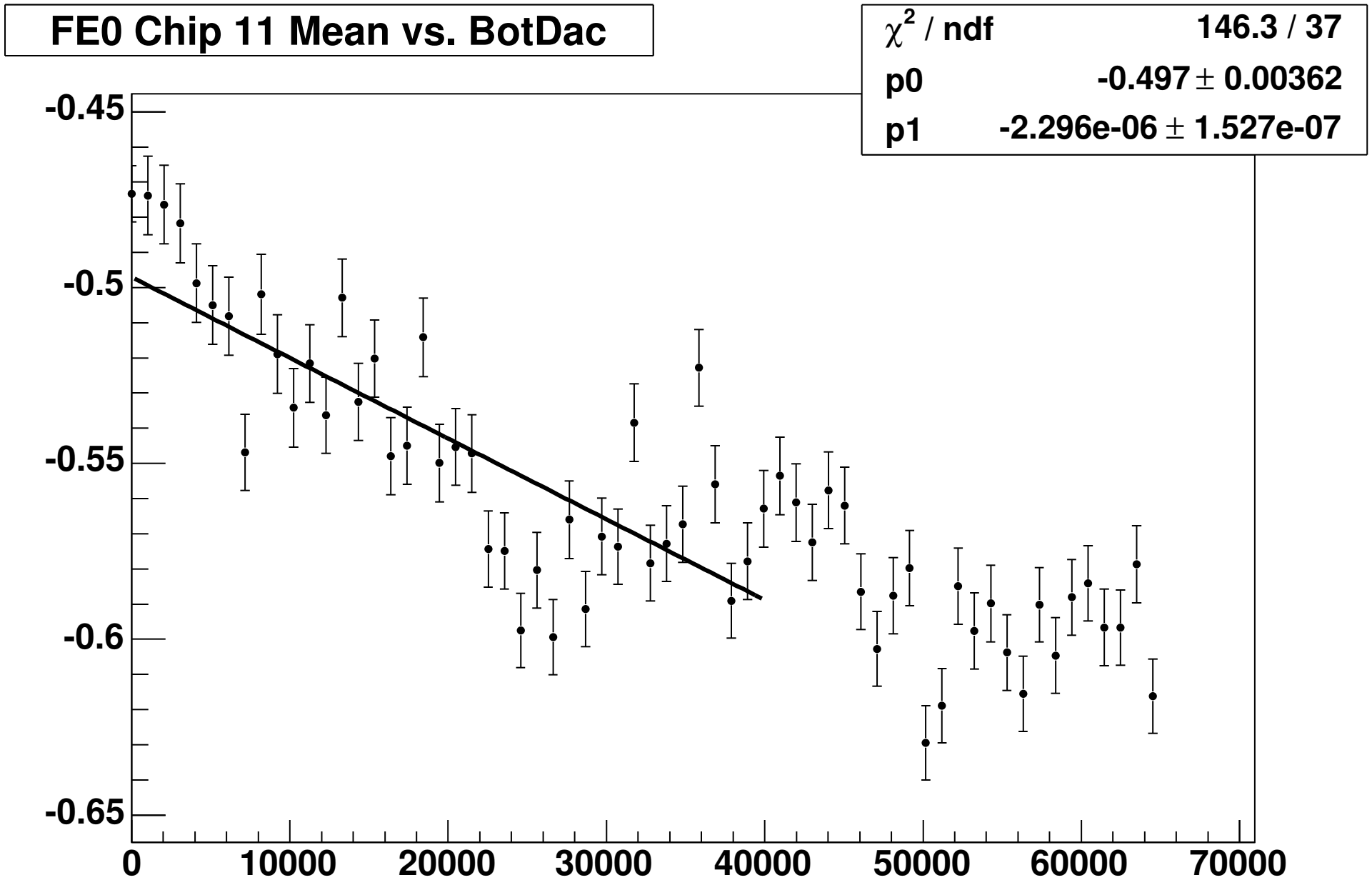
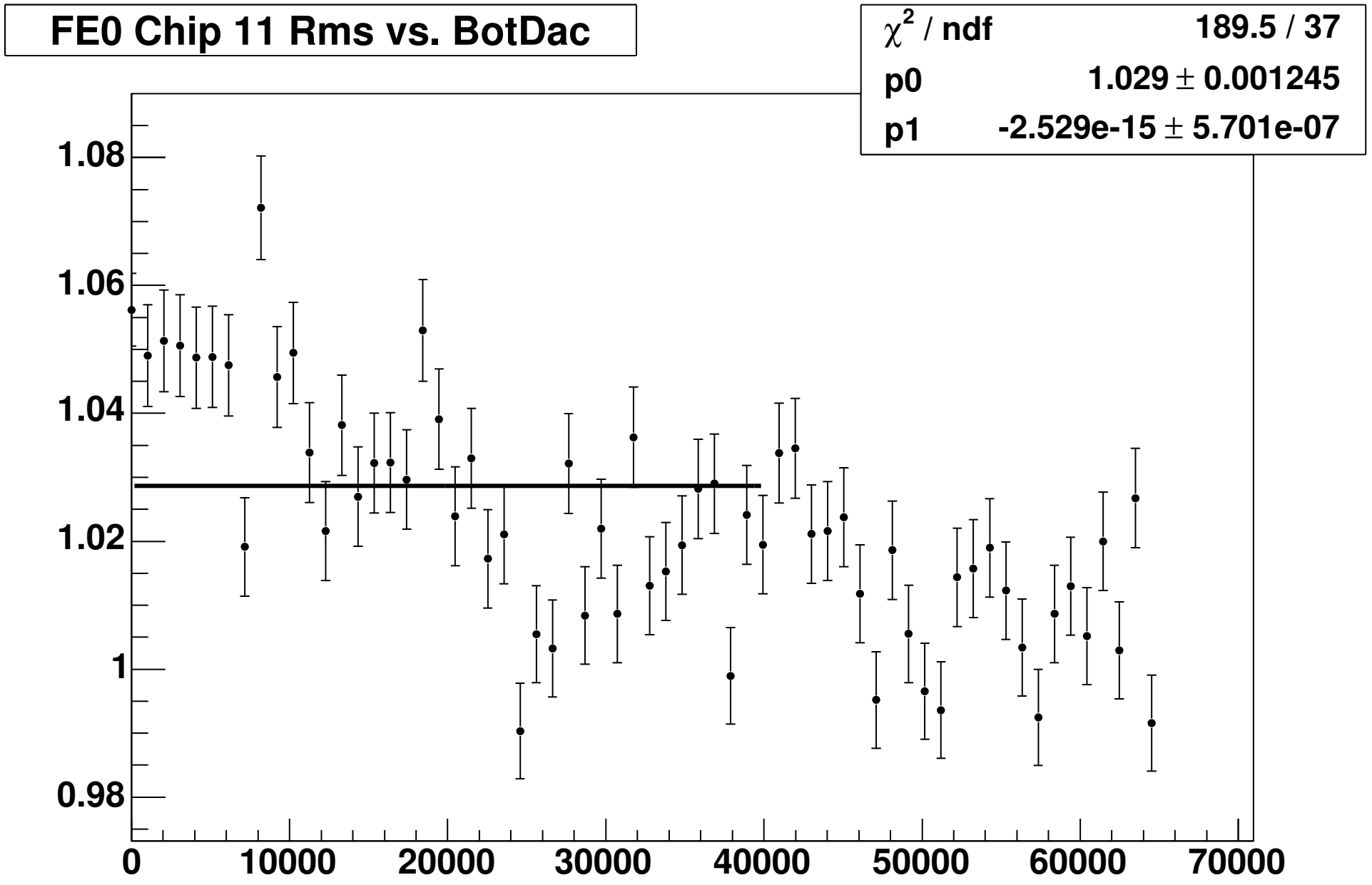

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 138.5 / 37
p0 -2.273 ± 0.004411
p1 -3.411e-06 ± 1.891e-07
-2.25
-2.3
-2.35
-2.4
-2.45
0
10000
20000
30000
40000
50000
60000
70000

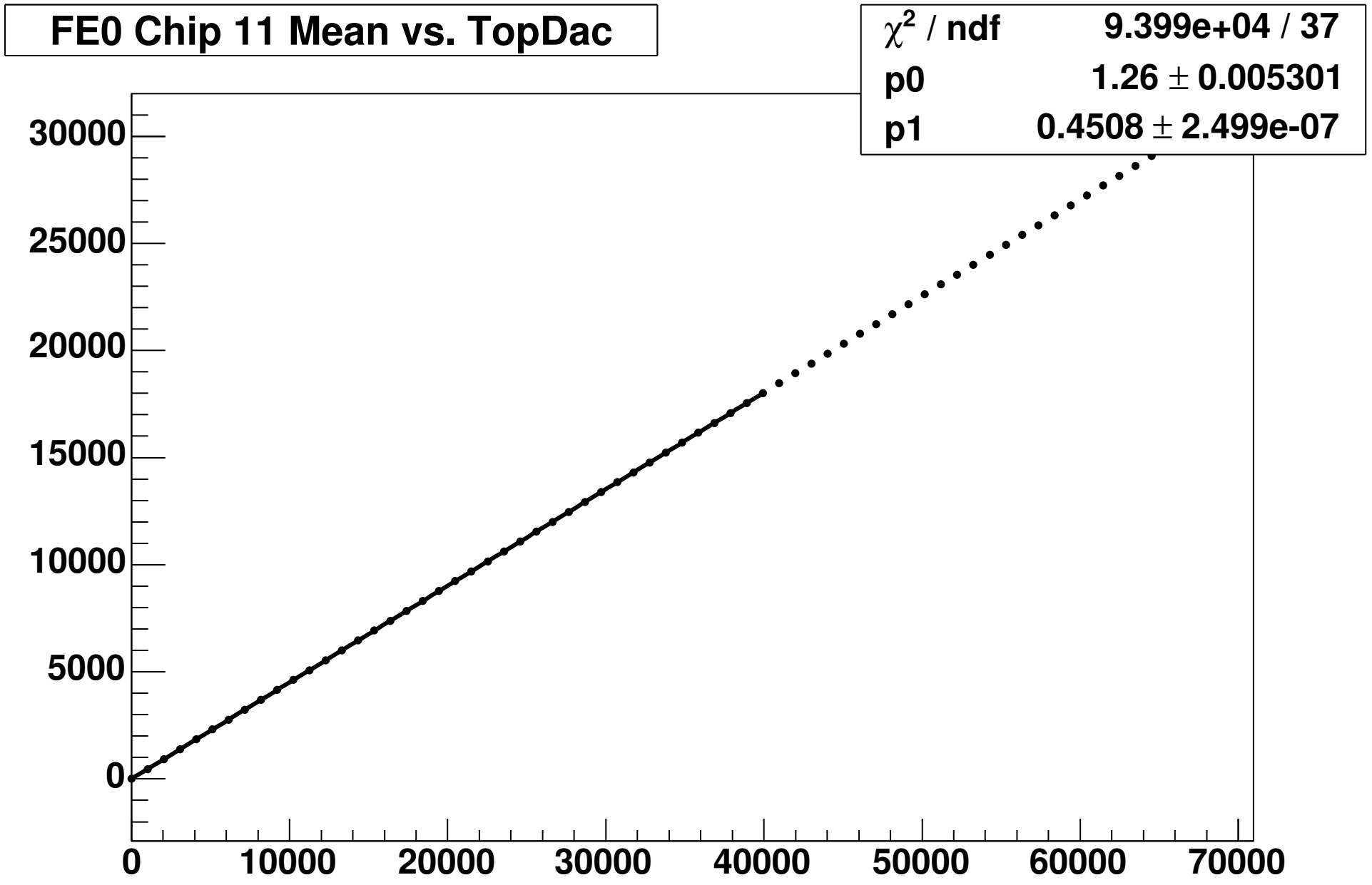

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 49.68 / 37
p0 1.271 ± 0.002328
p1 7.44e-06 ± 5.517e-07
1.32
1.3
1.28
1.26
1.24
0
10000
20000
30000
40000
50000
60000
70000

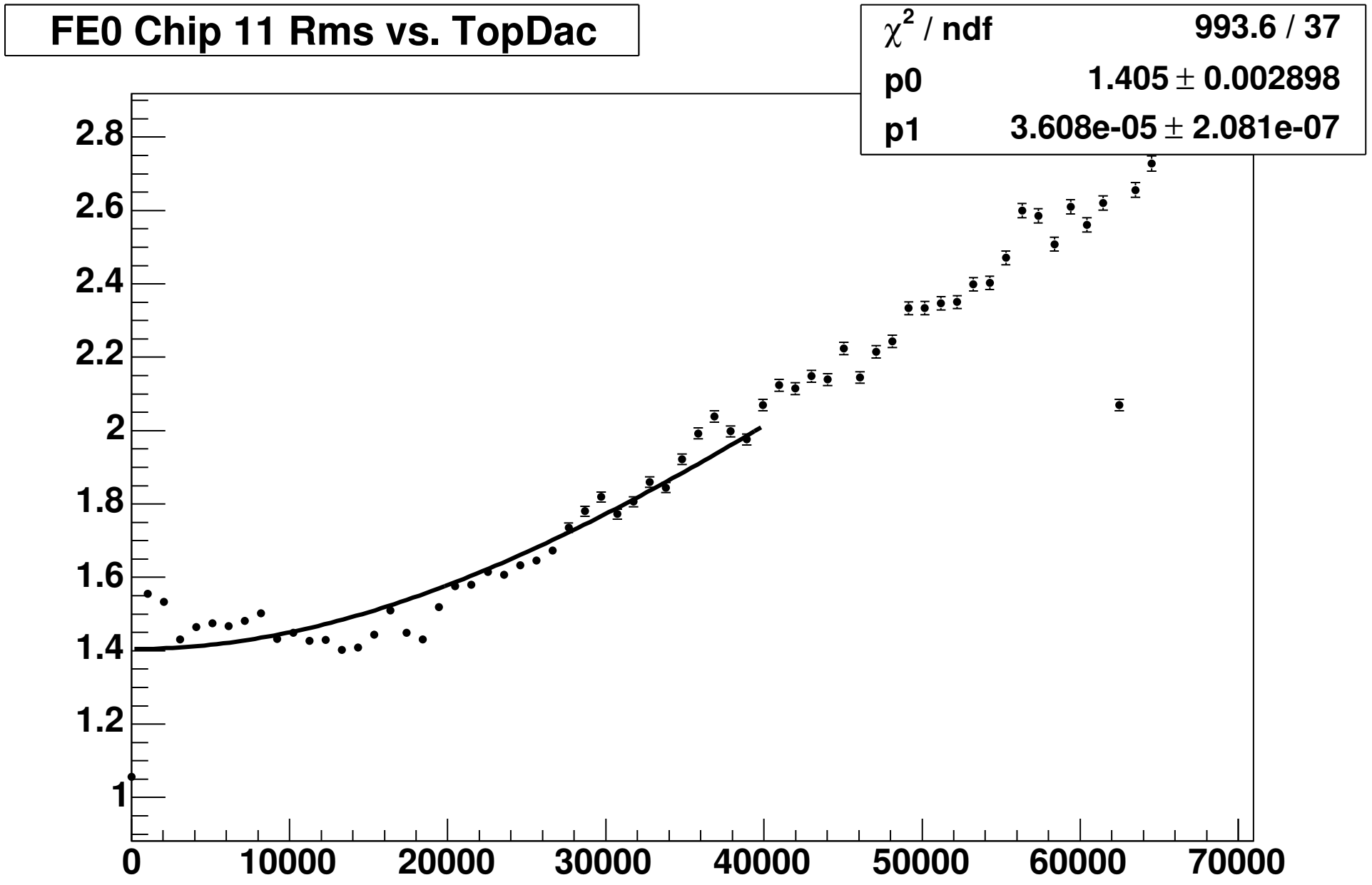

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.531e+05 / 37
p0 -1.968 ± 0.00524
p1 0.4508 ± 2.477e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

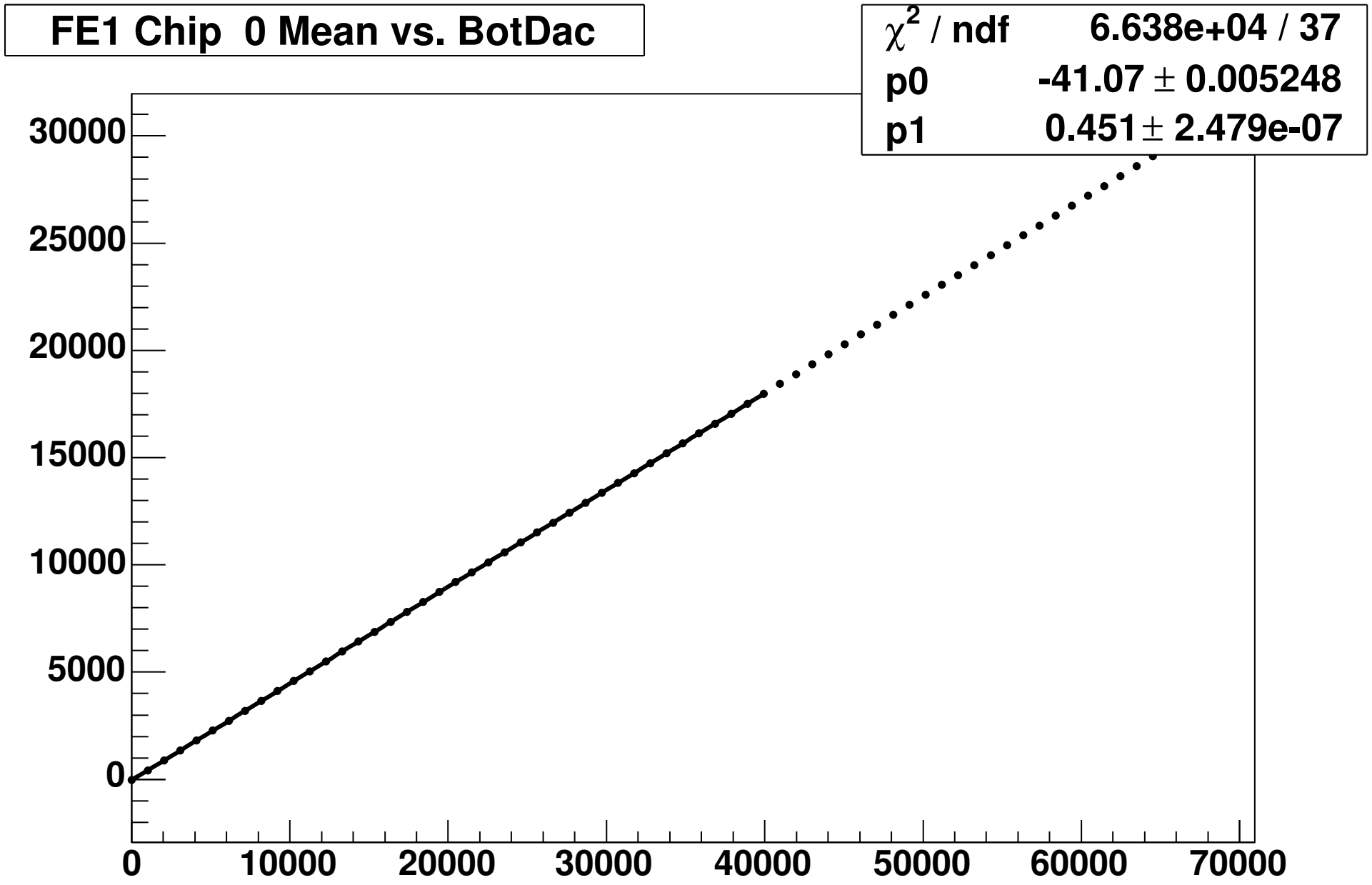

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 912.2 / 37
p0 1.388 ± 0.002872
p1 3.627e-05 ± 2.043e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

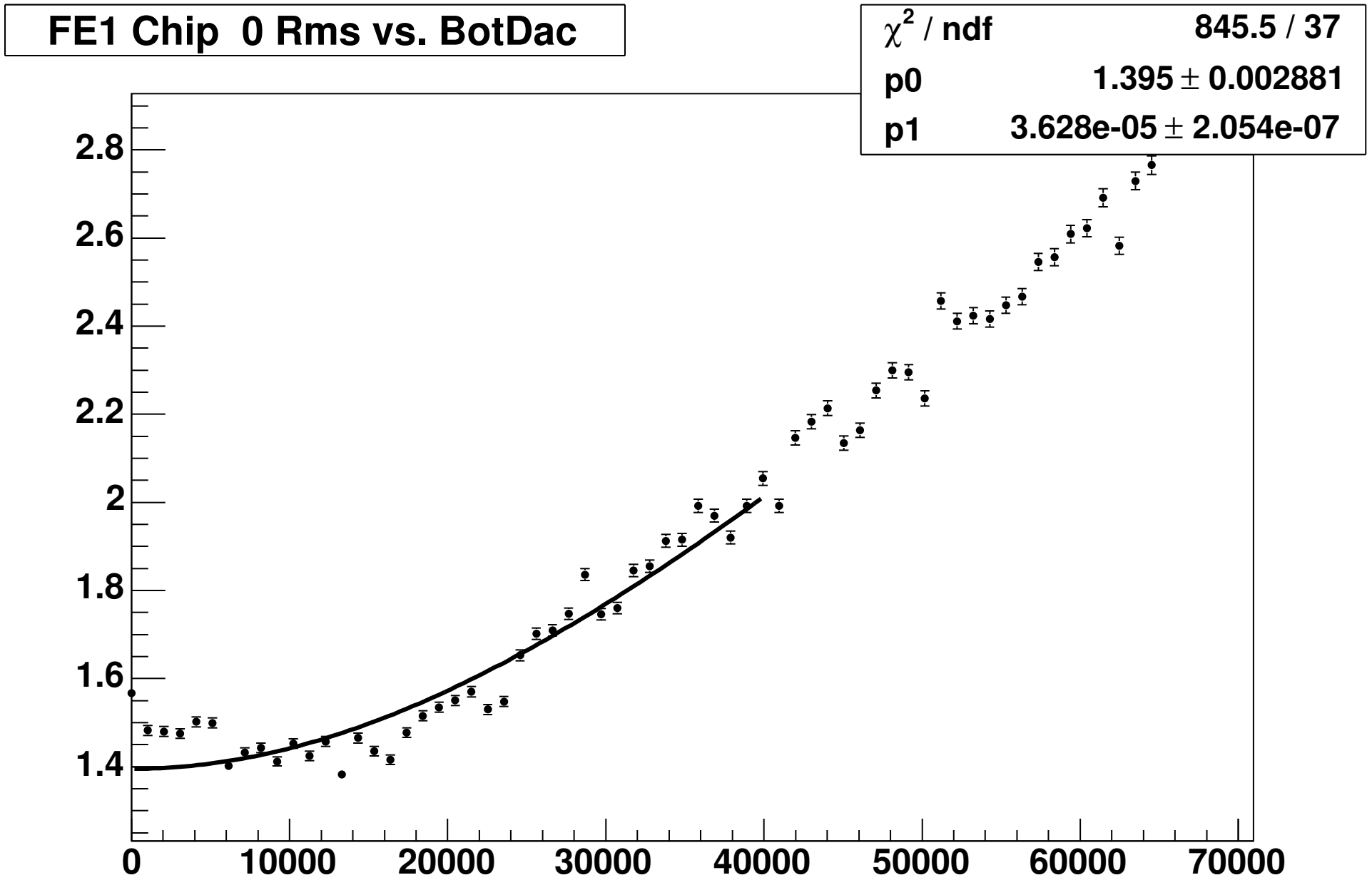

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 146.3 / 37
p0 -0.497 ± 0.00362
p1 -2.296e-06 ± 1.527e-07
-0.45
-0.5
-0.55
-0.6
-0.65
0
10000
20000
30000
40000
50000
60000
70000

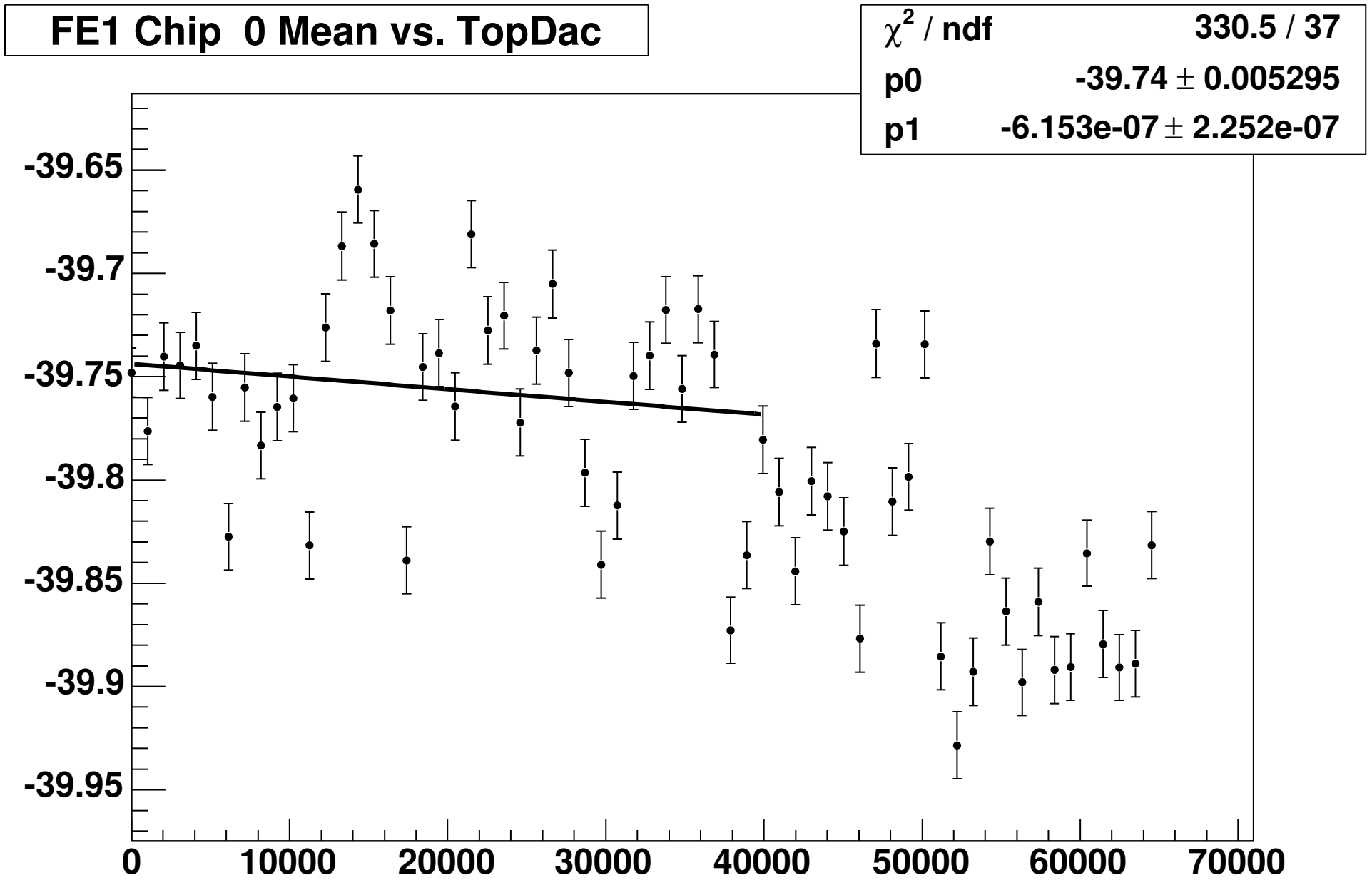

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 189.5 / 37
p0 1.029 ± 0.001245
p1 -2.529e-15 ± 5.701e-07
1.08
1.06
1.04
1.02
1
0.98
0
10000
20000
30000
40000
50000
60000
70000

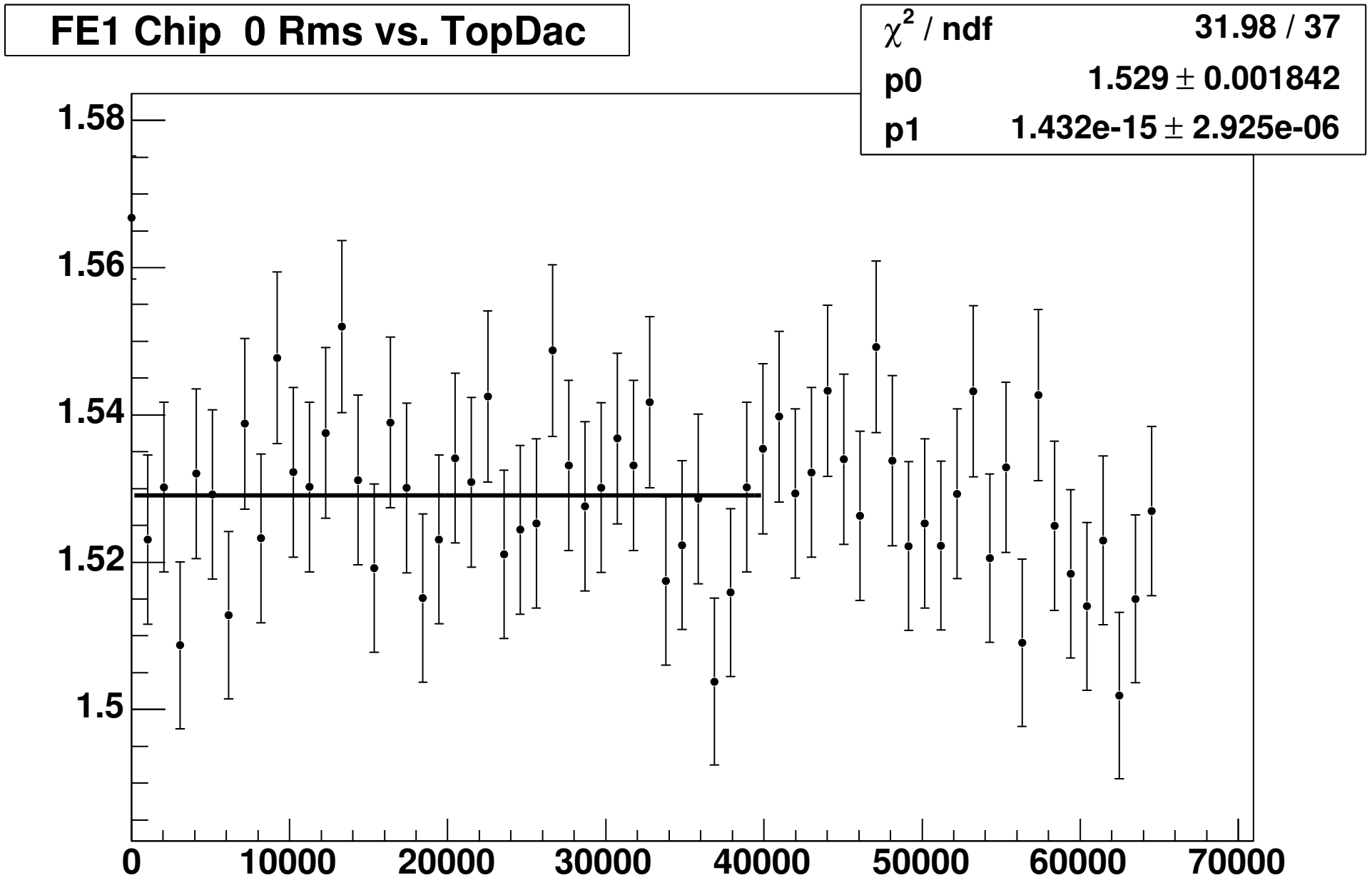

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 9.399e+04 / 37
p0 1.26 ± 0.005301
p1 0.4508 ± 2.499e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

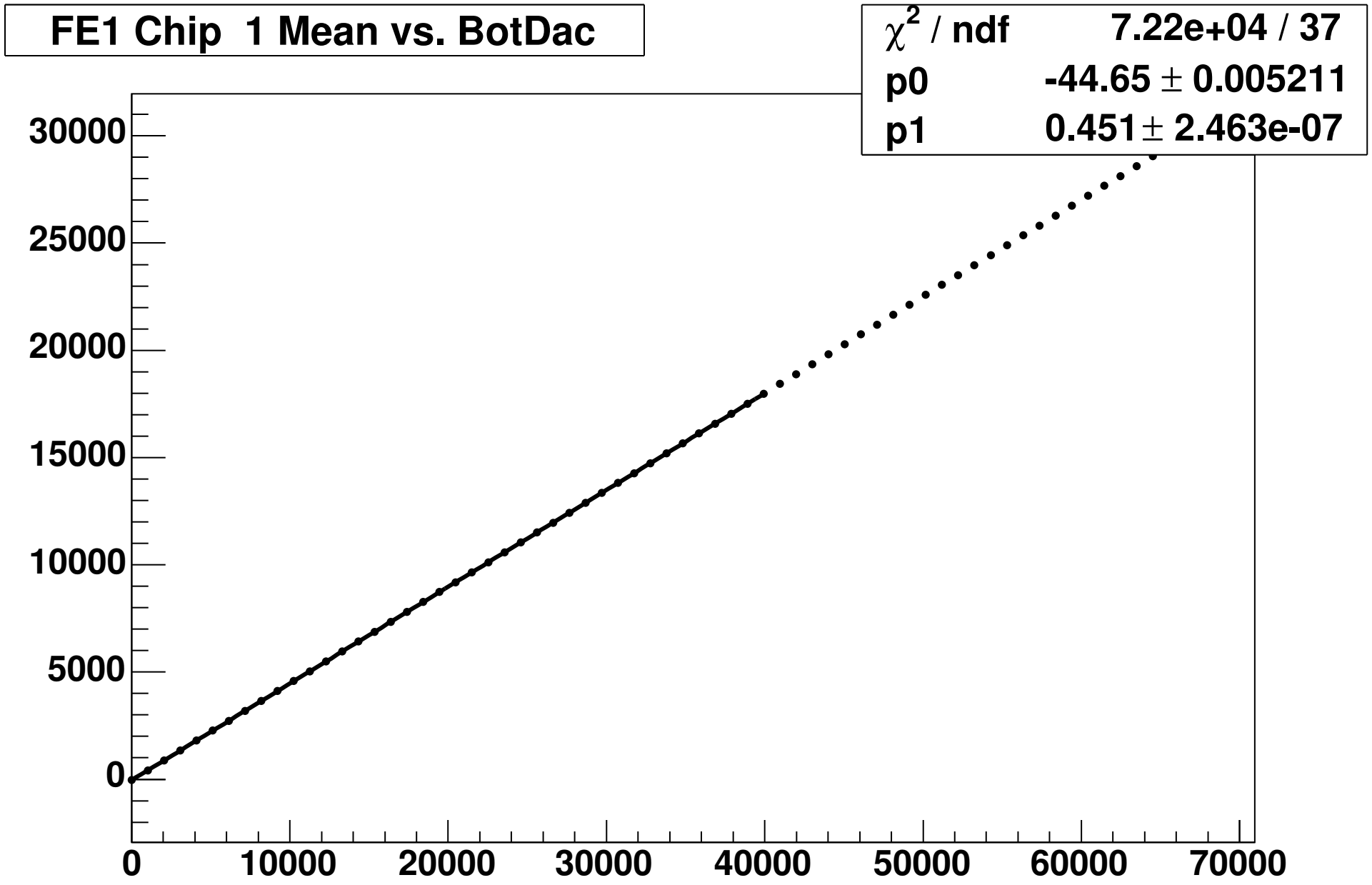

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 993.6 / 37
p0 1.405 ± 0.002898
p1 3.608e-05 ± 2.081e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000

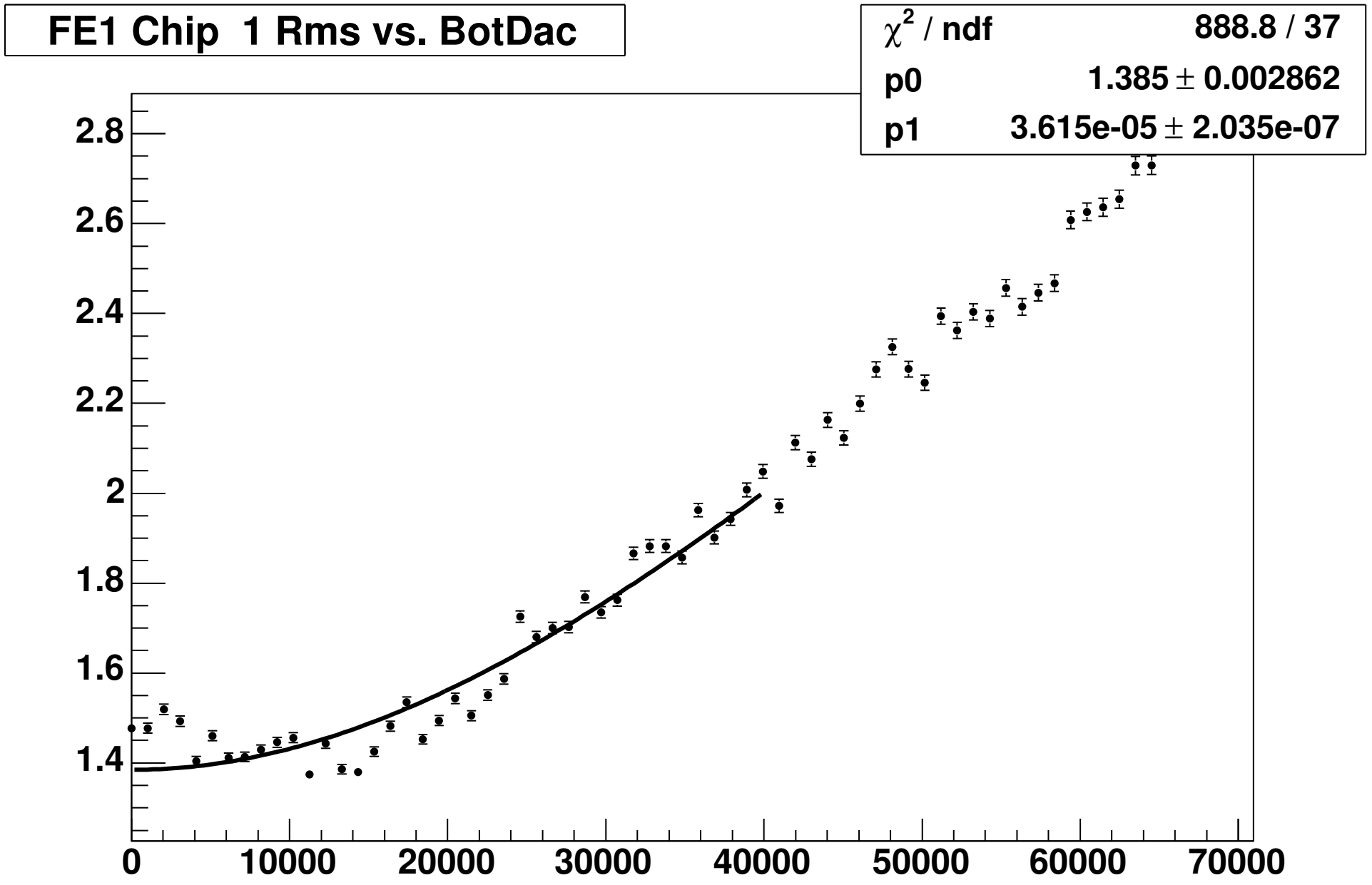

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 6.638e+04 / 37
p0 -41.07 ± 0.005248
p1 0.451 ± 2.479e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

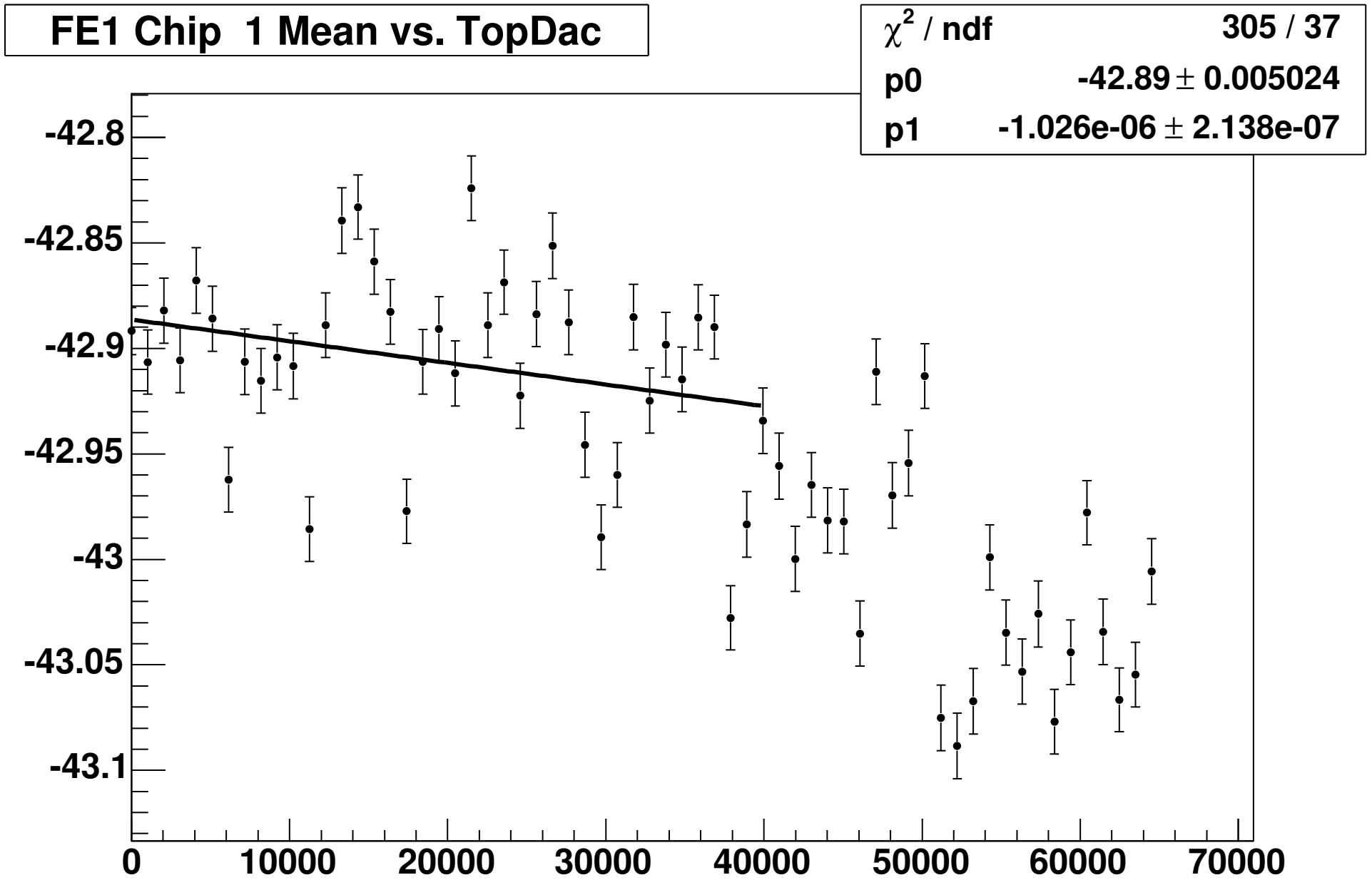

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 845.5 / 37
p0 1.395 ± 0.002881
p1 3.628e-05 ± 2.054e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

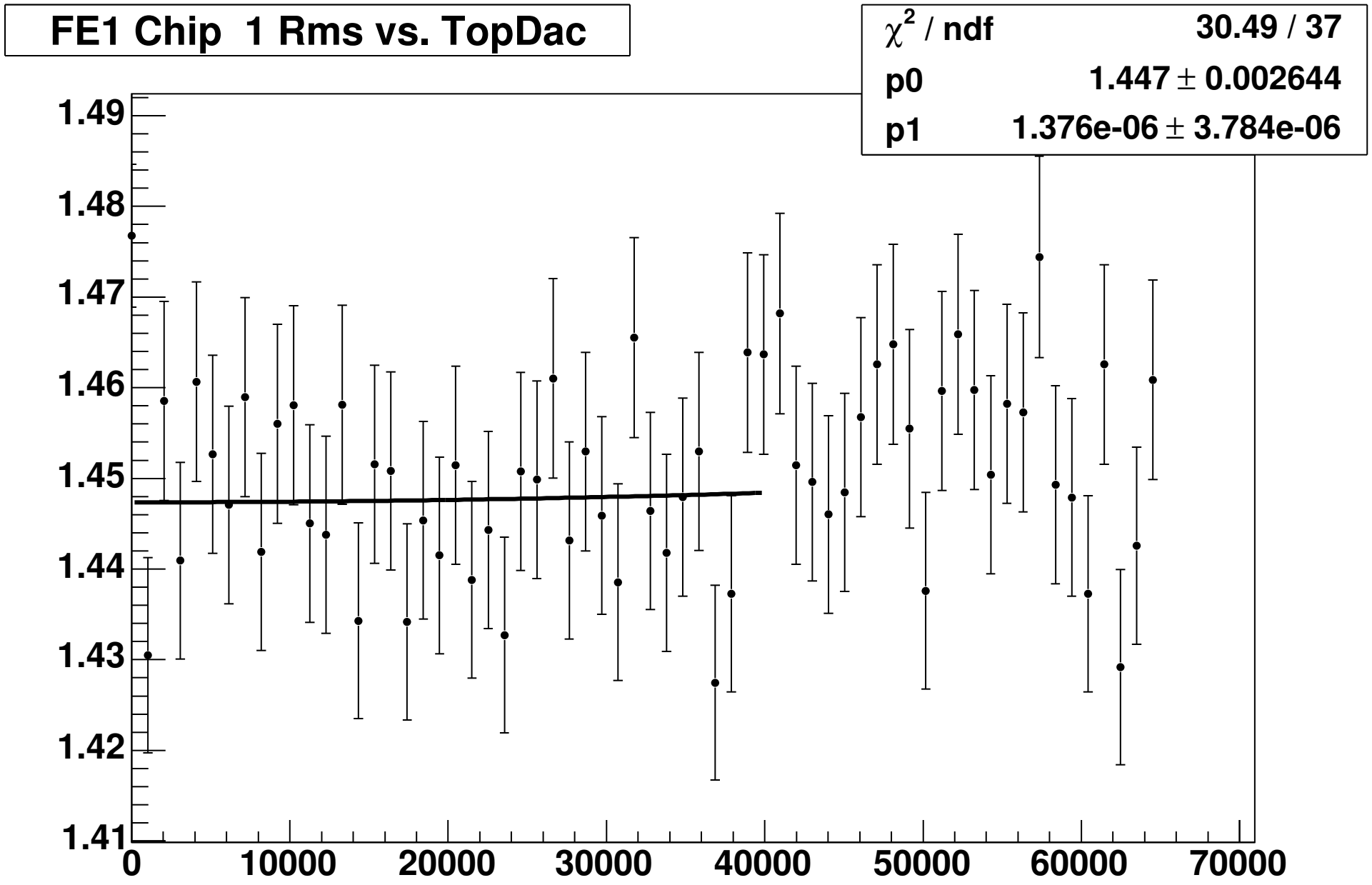

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 330.5 / 37
p0 -39.74 ± 0.005295
p1 -6.153e-07 ± 2.252e-07
-39.65
-39.7
-39.75
-39.8
-39.85
-39.9
-39.95
0
10000
20000
30000
40000
50000
60000
70000

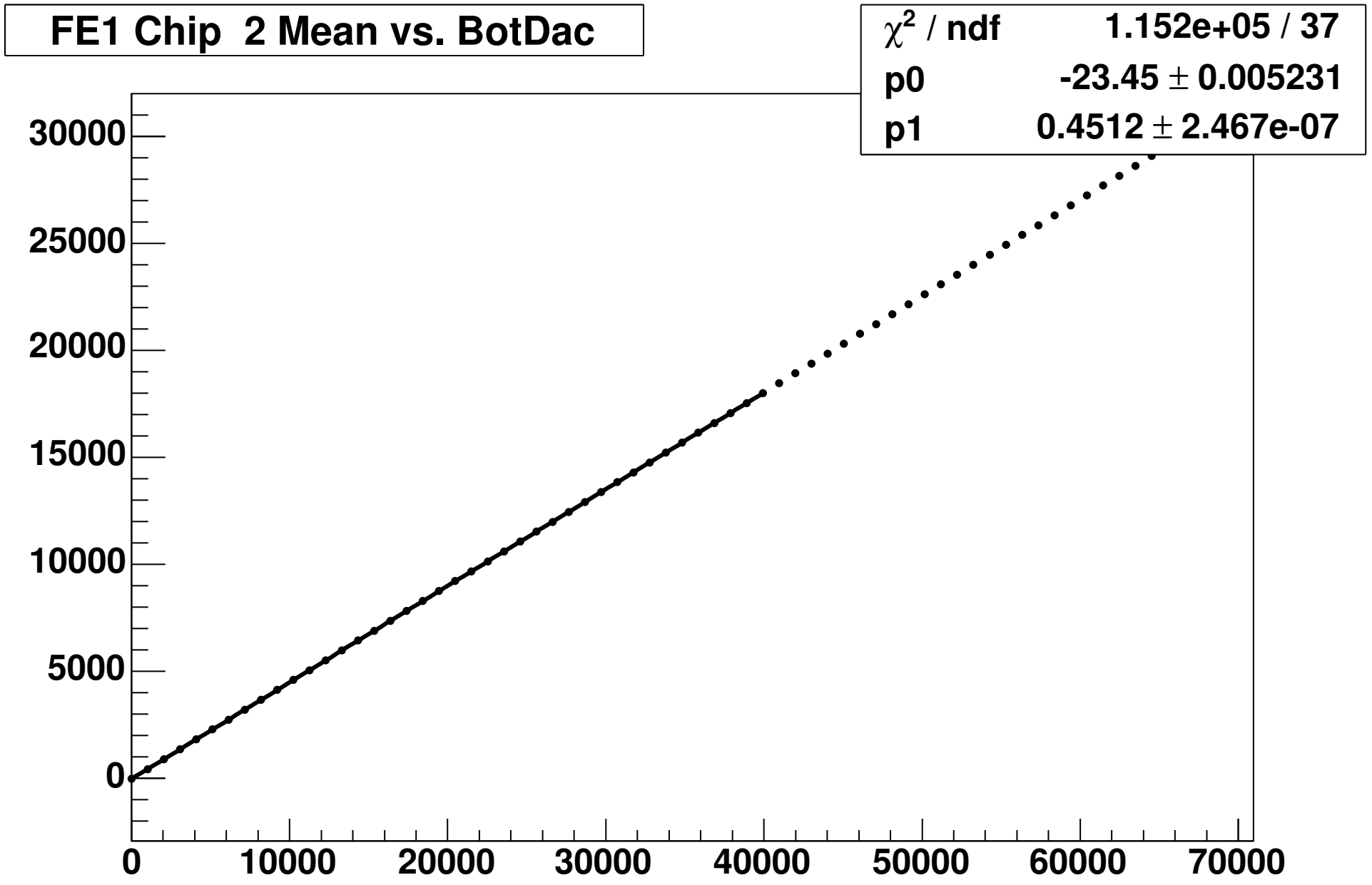

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 31.98 / 37
p0 1.529 ± 0.001842
p1 1.432e-15 ± 2.925e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

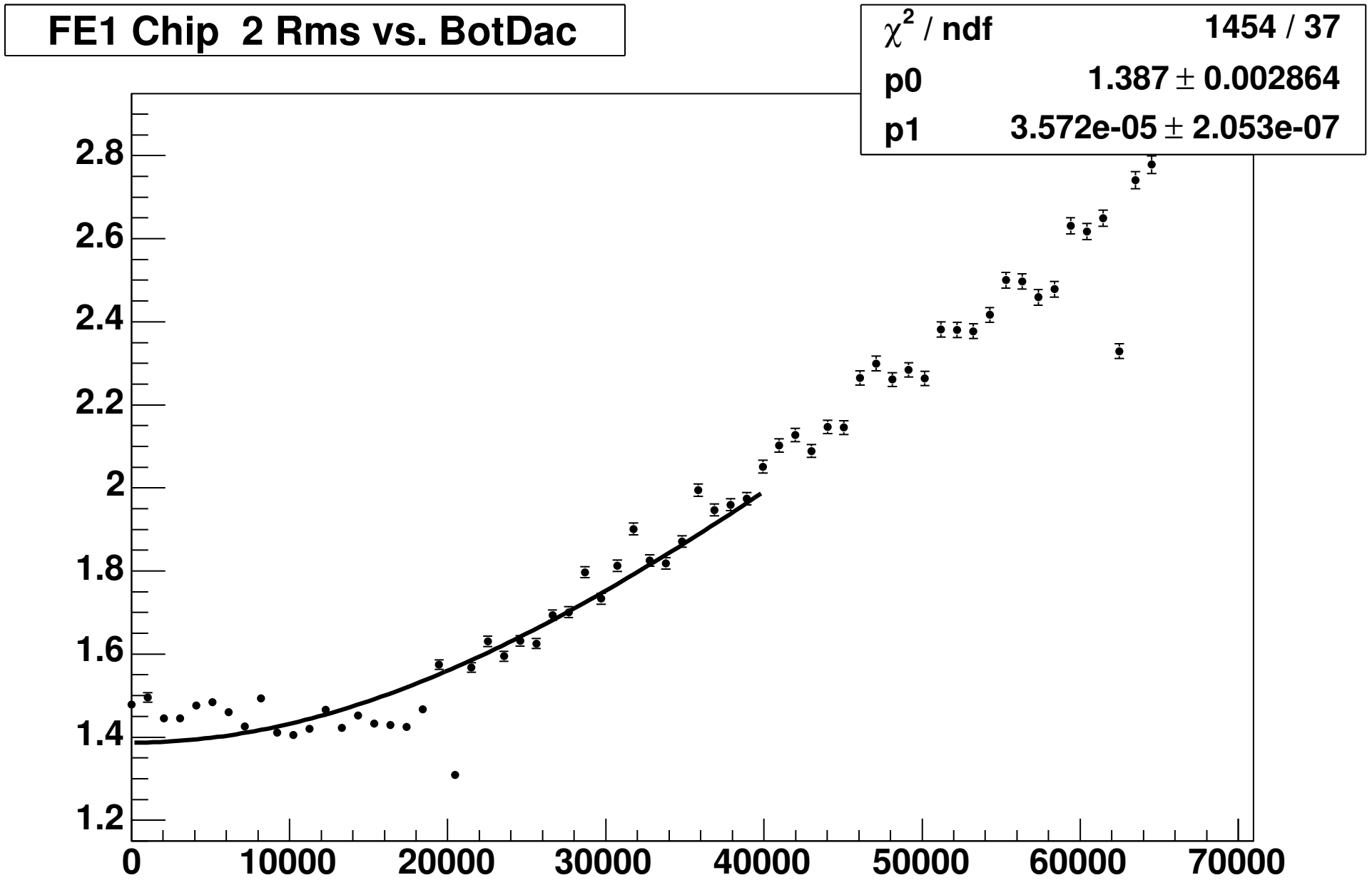

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 7.22e+04 / 37
p0 -44.65 ± 0.005211
p1 0.451 ± 2.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

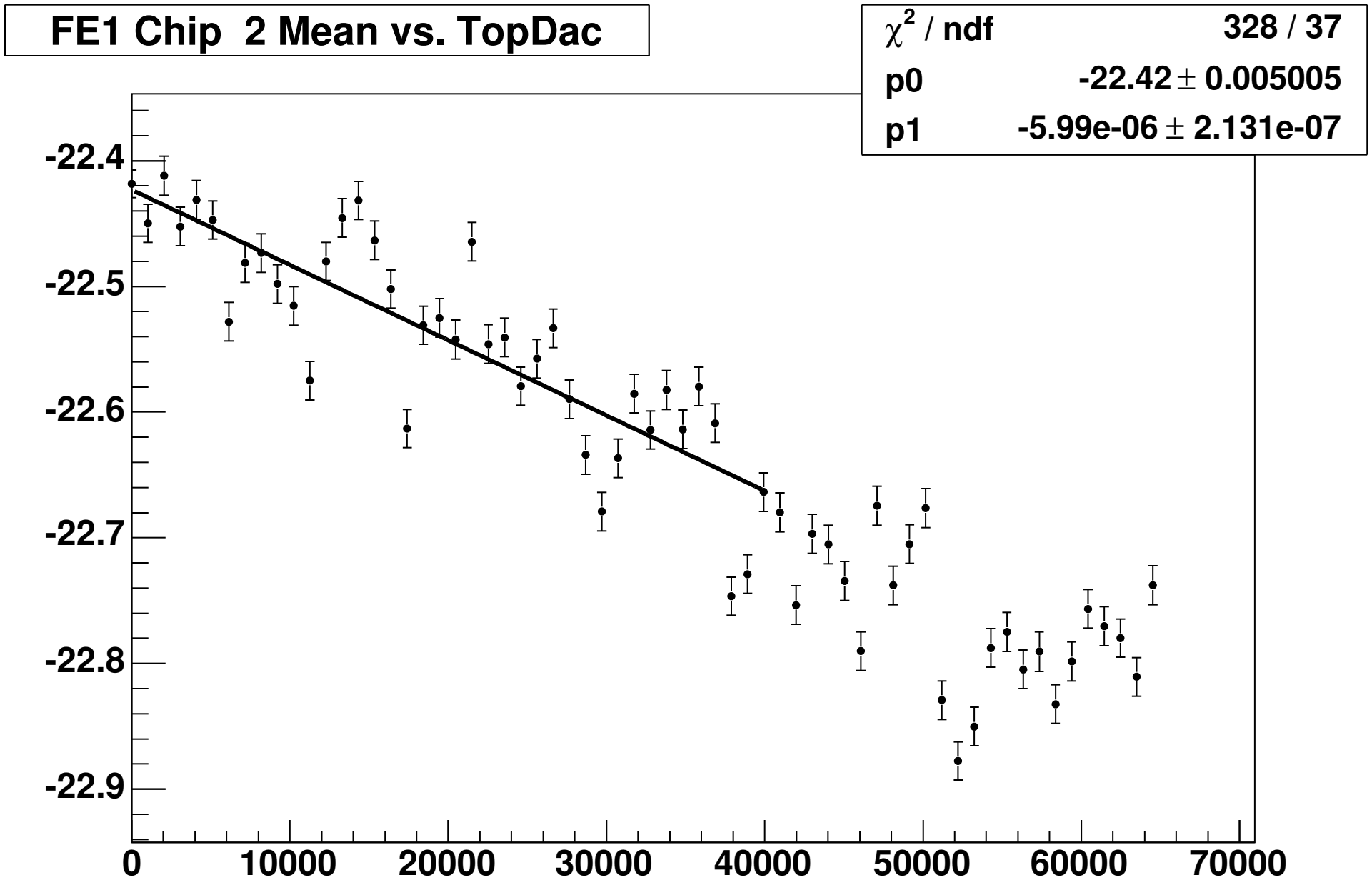

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 888.8 / 37
p0 1.385 ± 0.002862
p1 3.615e-05 ± 2.035e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

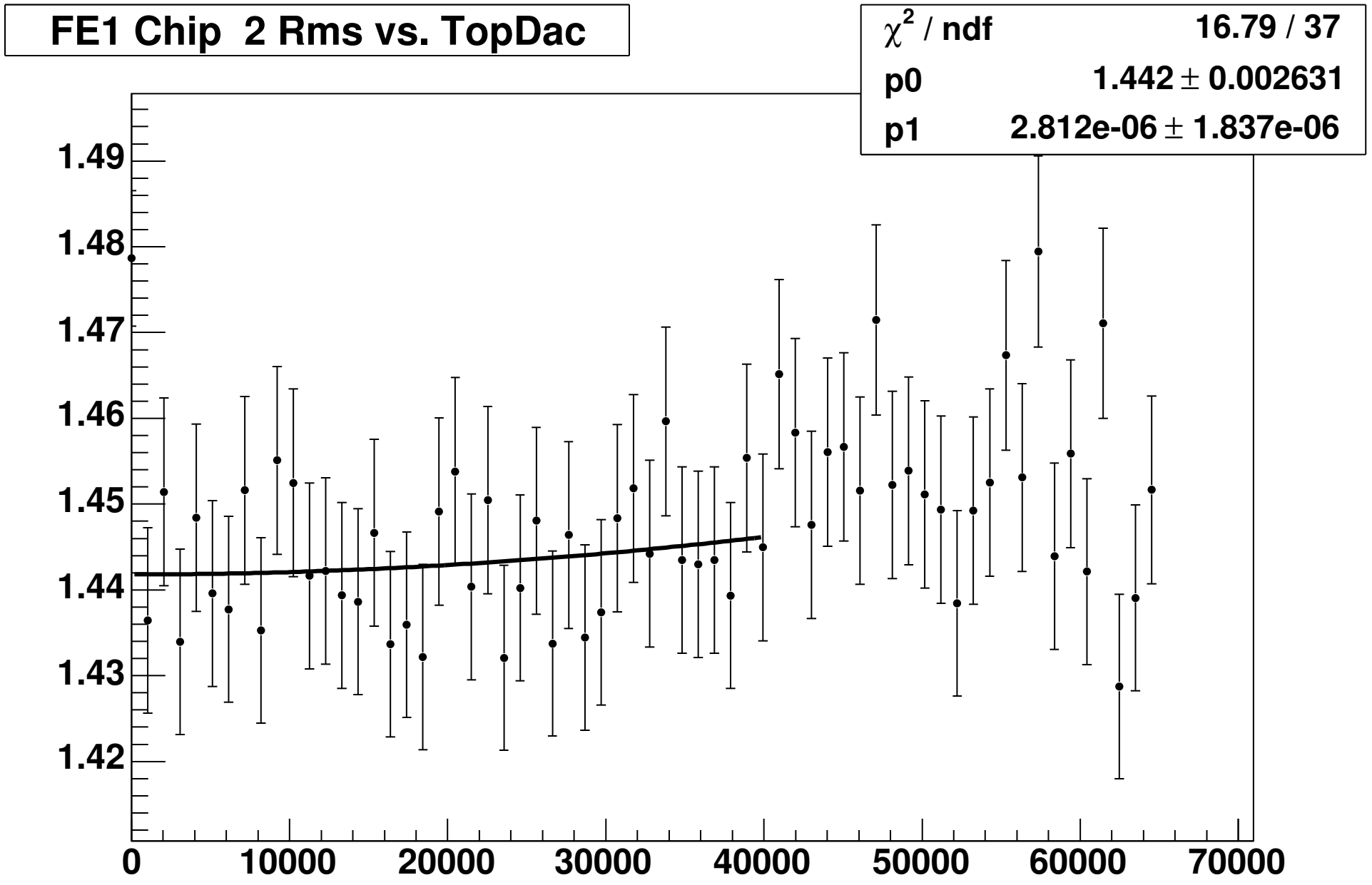

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 305 / 37
p0 -42.89 ± 0.005024
p1 -1.026e-06 ± 2.138e-07
-42.8
-42.85
-42.9
-42.95
-43
-43.05
-43.1
0
10000
20000
30000
40000
50000
60000
70000

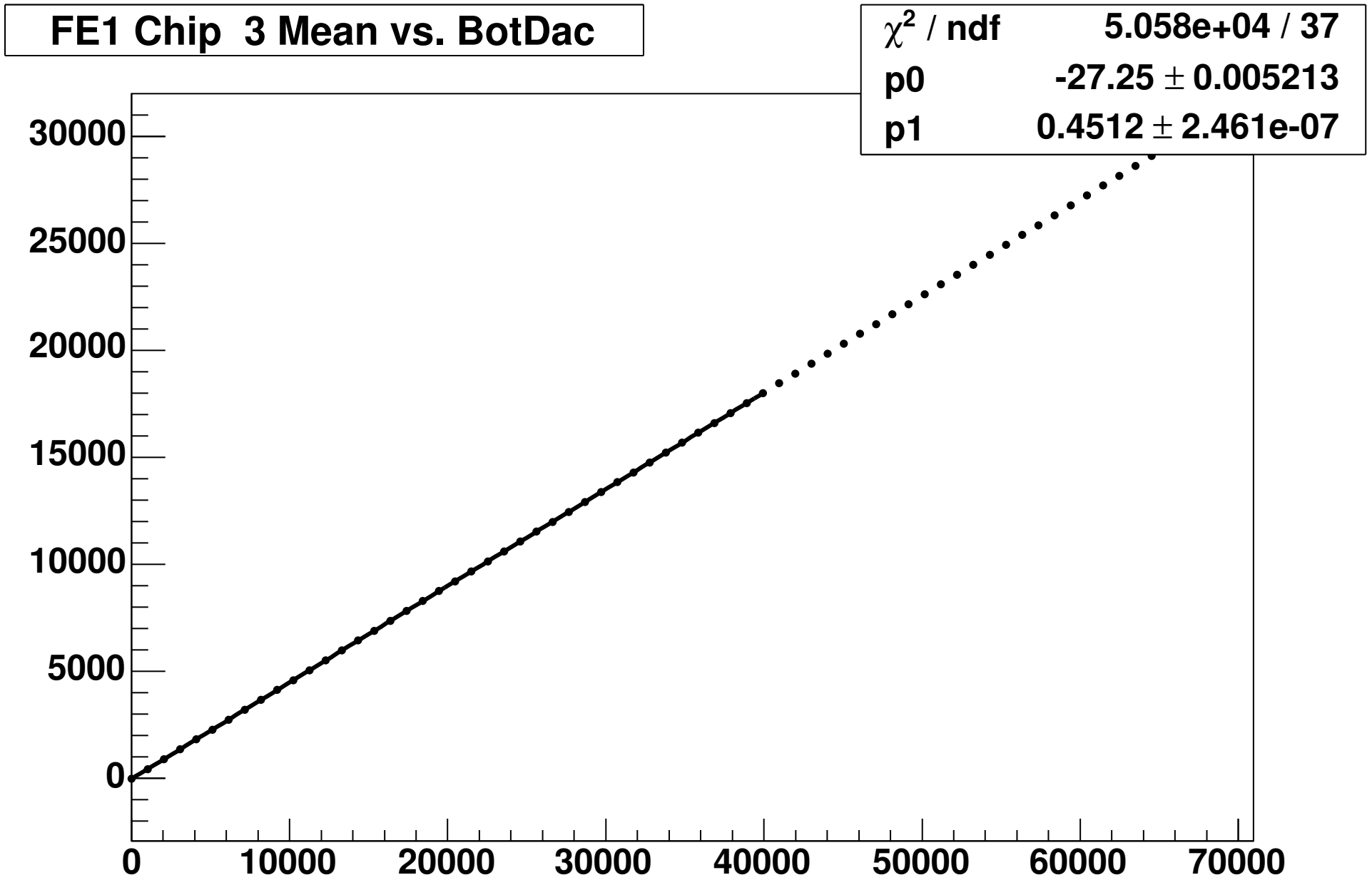

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 30.49 / 37
p0 1.447 ± 0.002644
p1 1.376e-06 ± 3.784e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

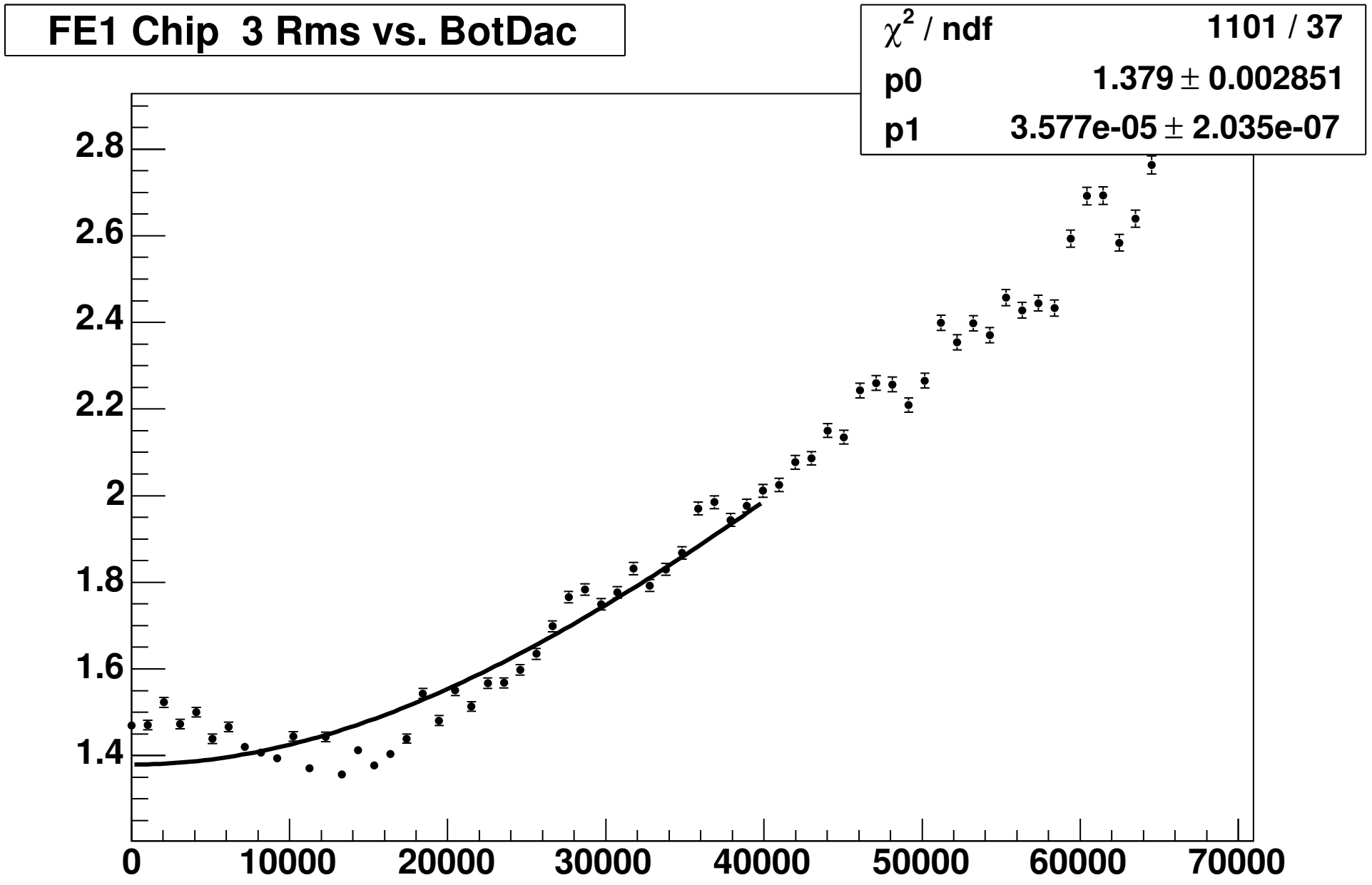

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.152e+05 / 37
p0 -23.45 ± 0.005231
p1 0.4512 ± 2.467e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

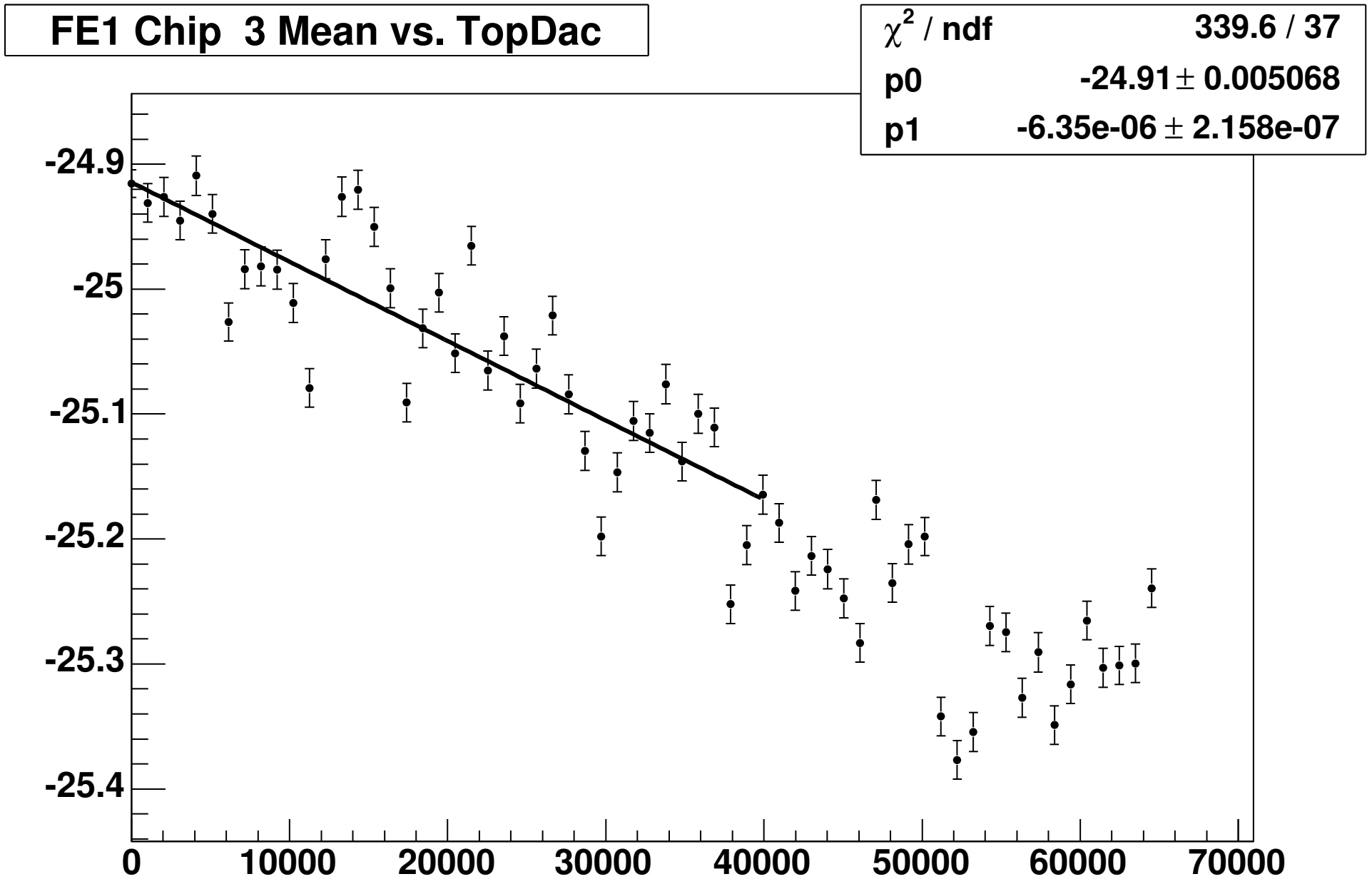

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1454 / 37
p0 1.387 ± 0.002864
p1 3.572e-05 ± 2.053e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

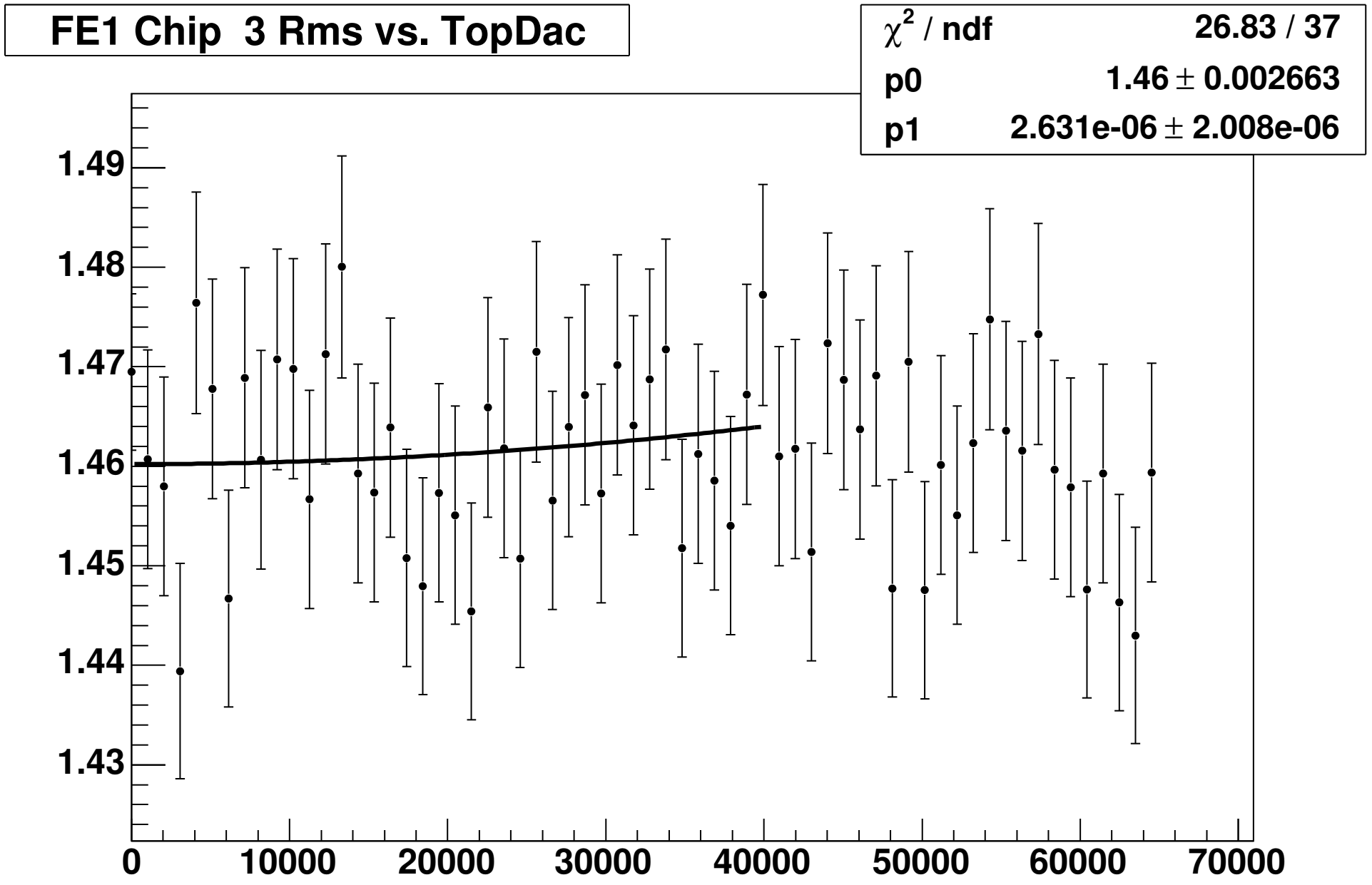

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 328 / 37
p0 -22.42 ± 0.005005
p1 -5.99e-06 ± 2.131e-07
-22.4
-22.5
-22.6
-22.7
-22.8
-22.9
0
10000
20000
30000
40000
50000
60000
70000

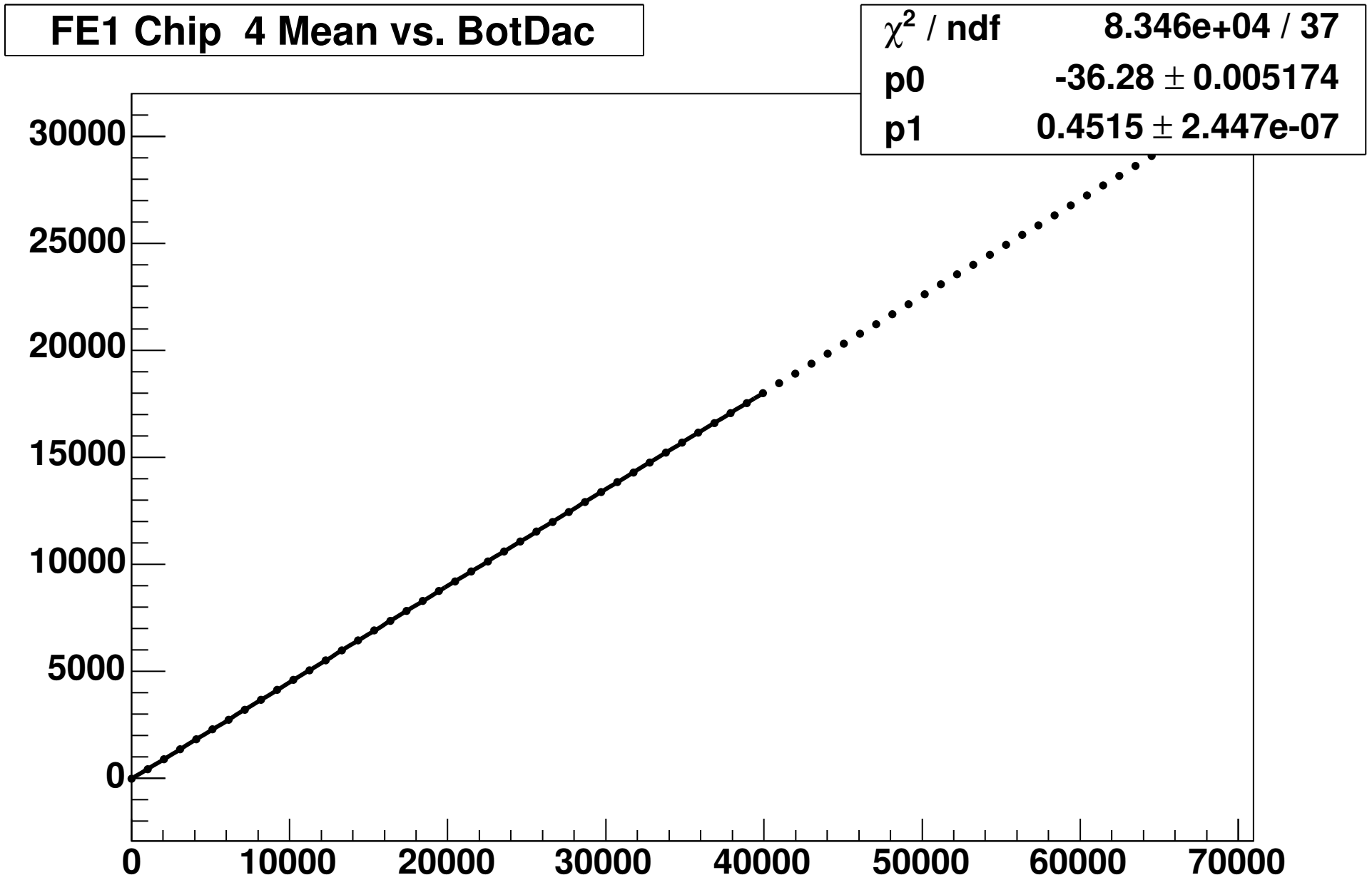

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 16.79 / 37
p0 1.442 ± 0.002631
p1 2.812e-06 ± 1.837e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 5.058e+04 / 37
p0 -27.25 ± 0.005213
p1 0.4512 ± 2.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 1101 / 37
p0 1.379 ± 0.002851
p1 3.577e-05 ± 2.035e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 339.6 / 37
p0 -24.91 ± 0.005068
p1 -6.35e-06 ± 2.158e-07
-24.9
-25
-25.1
-25.2
-25.3
-25.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 26.83 / 37
p0 1.46 ± 0.002663
p1 2.631e-06 ± 2.008e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 8.346e+04 / 37
p0 -36.28 ± 0.005174
p1 0.4515 ± 2.447e-07
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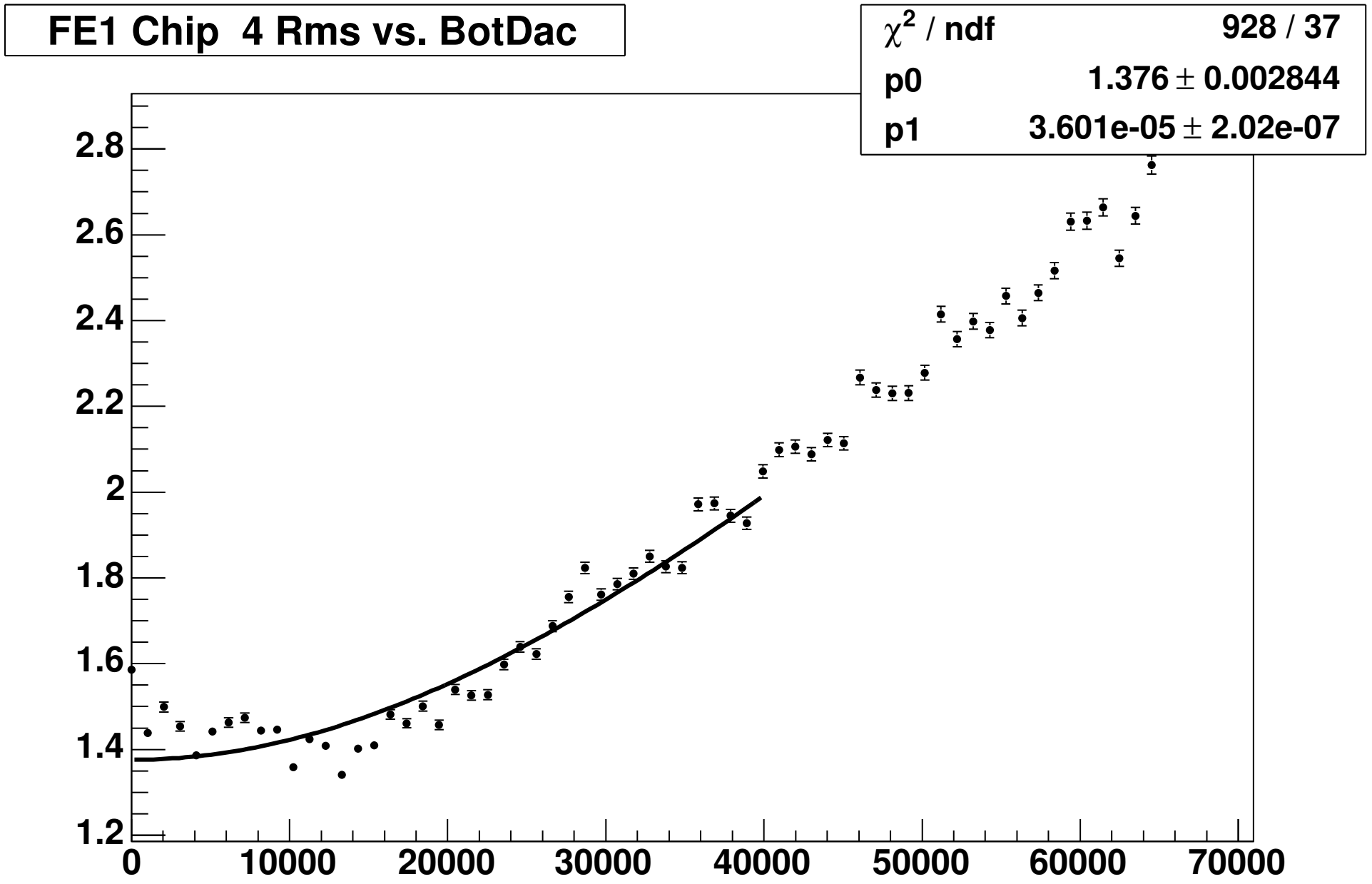
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 928 / 37
p0 1.376 ± 0.002844
p1 3.601e-05 ± 2.02e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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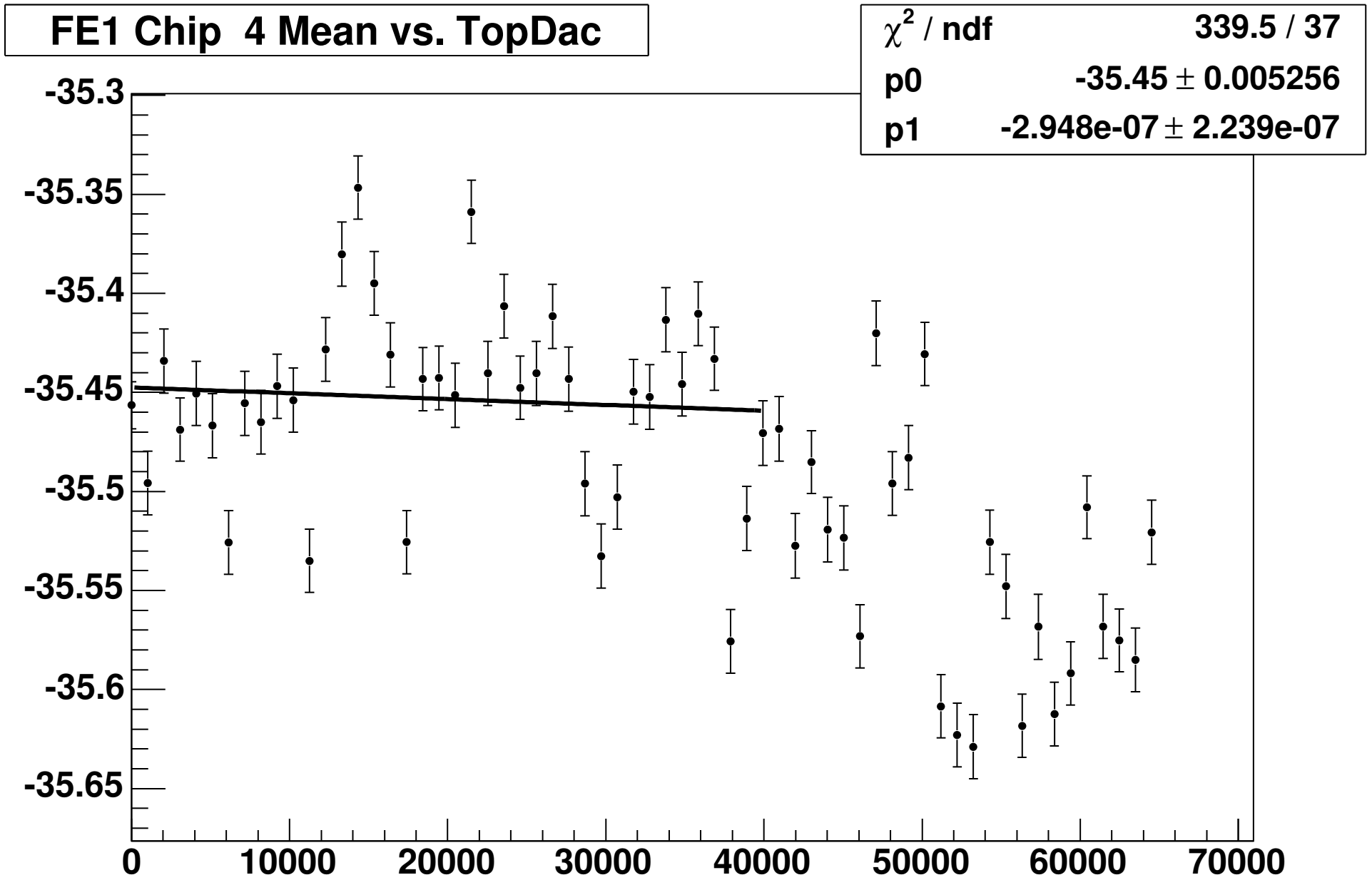
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 339.5 / 37
p0 -35.45 ± 0.005256
p1 -2.948e-07 ± 2.239e-07
-35.3
-35.35
-35.4
-35.45
-35.5
-35.55
-35.6
-35.65
0
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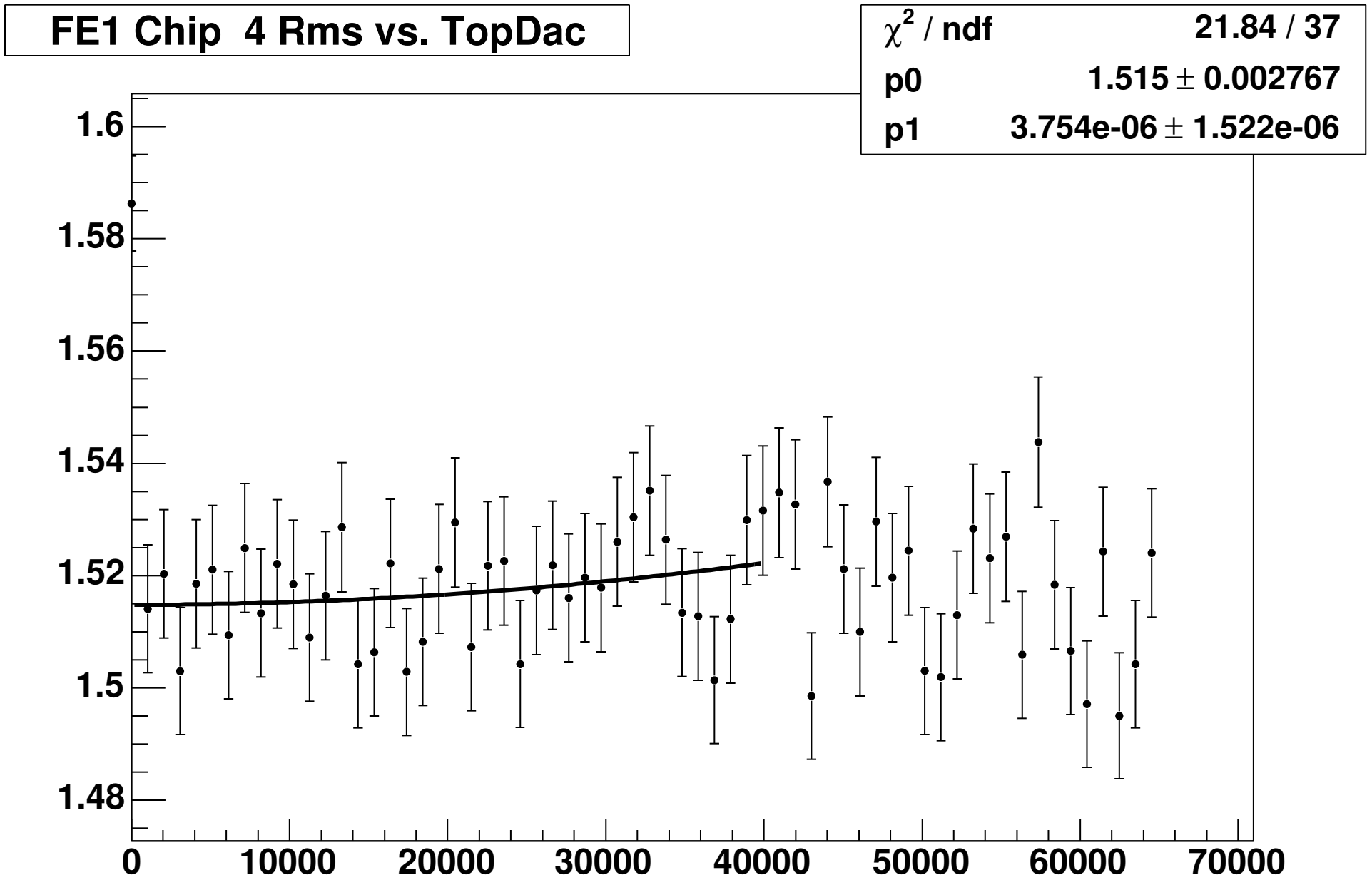
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 21.84 / 37
p0 1.515 ± 0.002767
p1 3.754e-06 ± 1.522e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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30000
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60000
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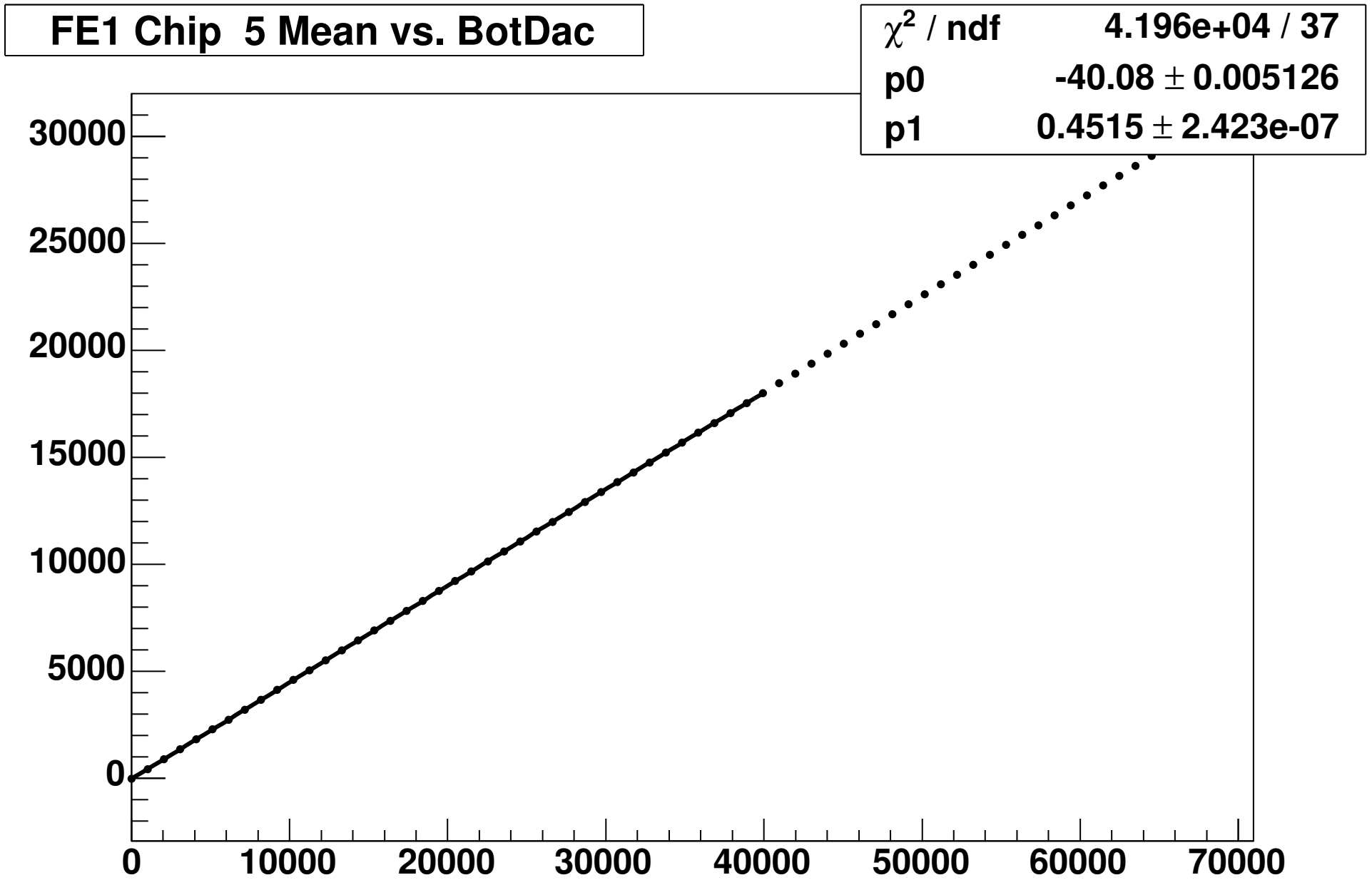
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 4.196e+04 / 37
p0 -40.08 ± 0.005126
p1 0.4515 ± 2.423e-07
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15000
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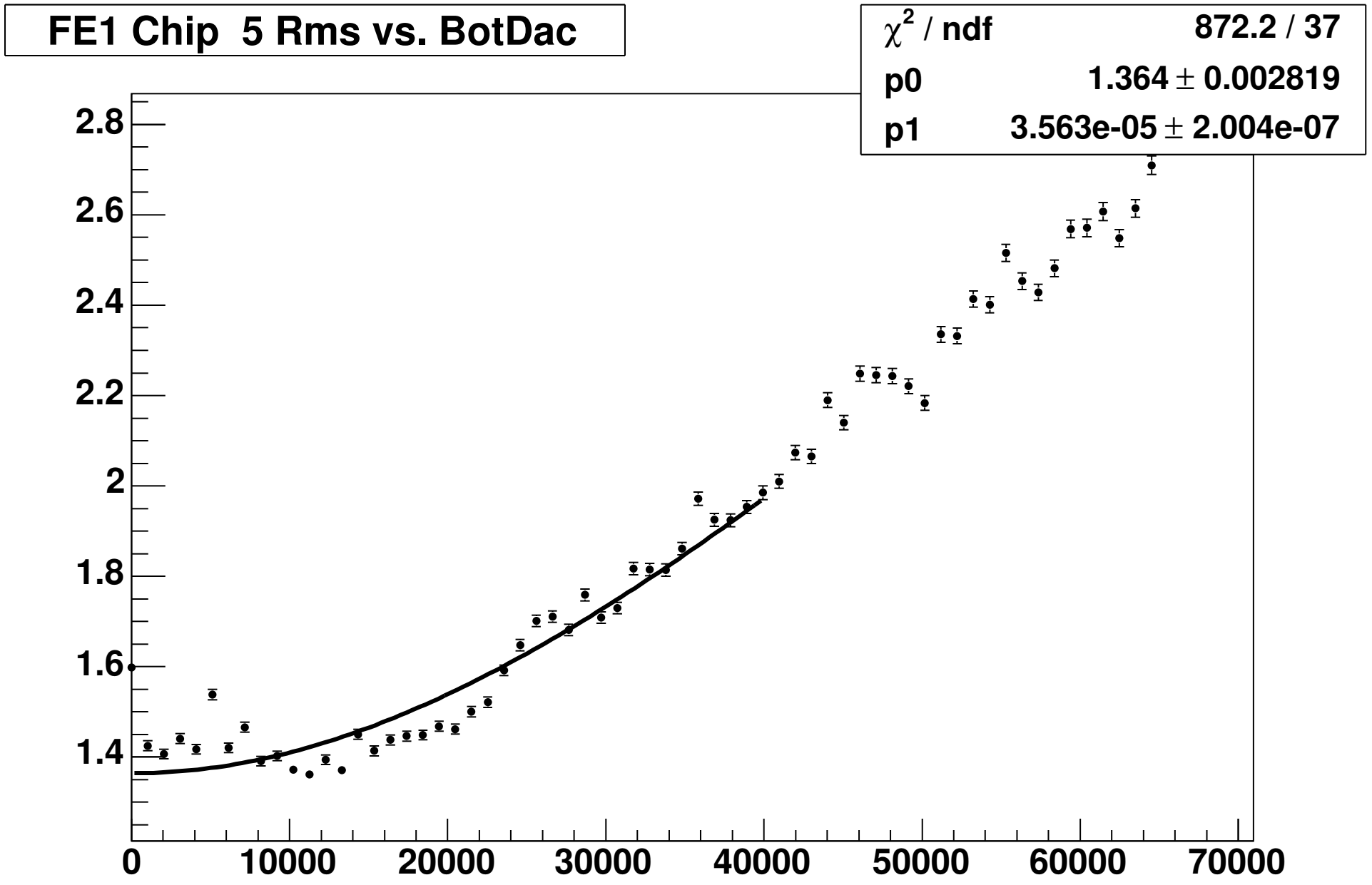
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 872.2 / 37
p0 1.364 ± 0.002819
p1 3.563e-05 ± 2.004e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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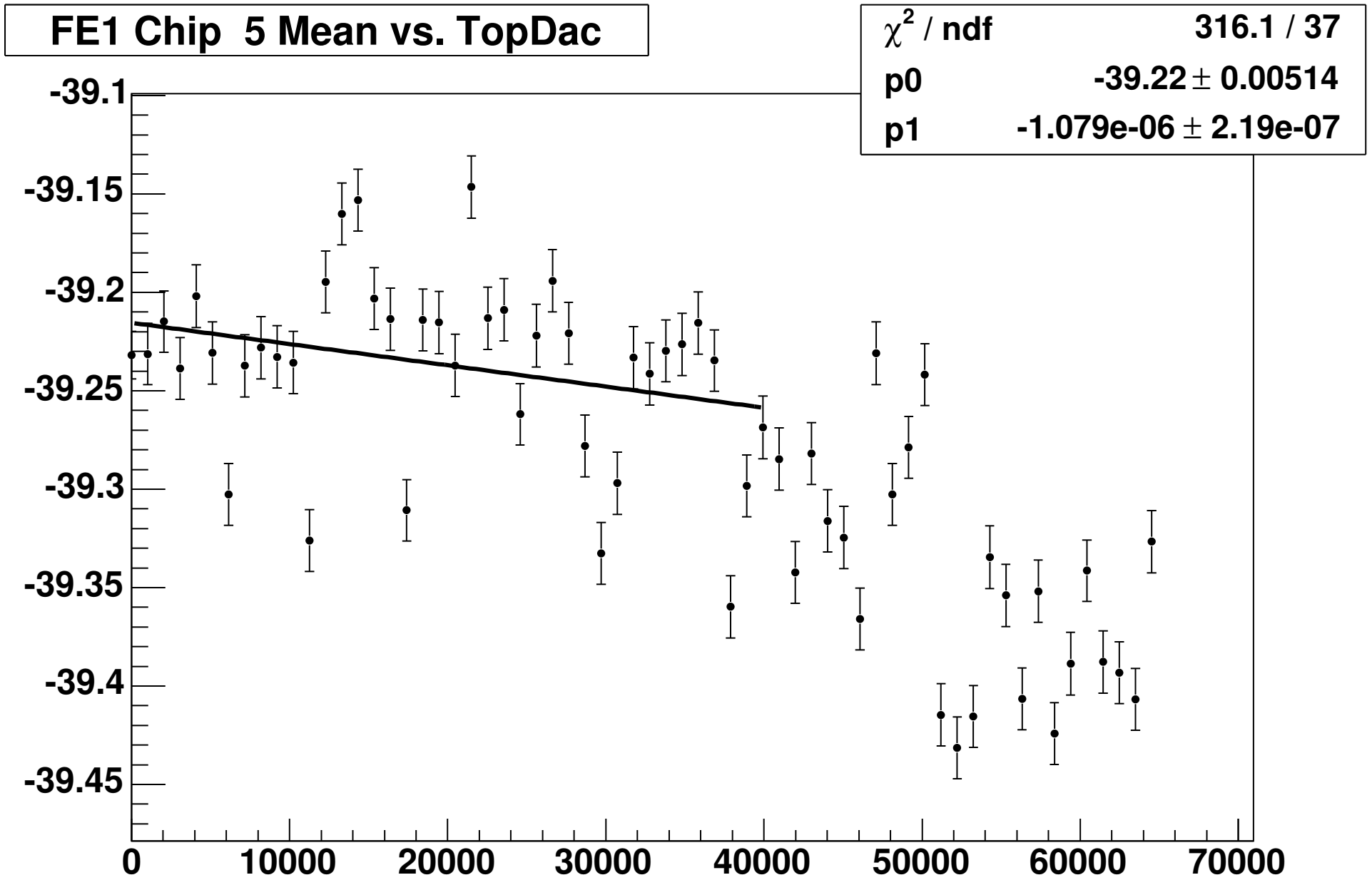
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 316.1 / 37
p0 -39.22 ± 0.00514
p1 -1.079e-06 ± 2.19e-07
-39.1
-39.15
-39.2
-39.25
-39.3
-39.35
-39.4
-39.45
0
10000
20000
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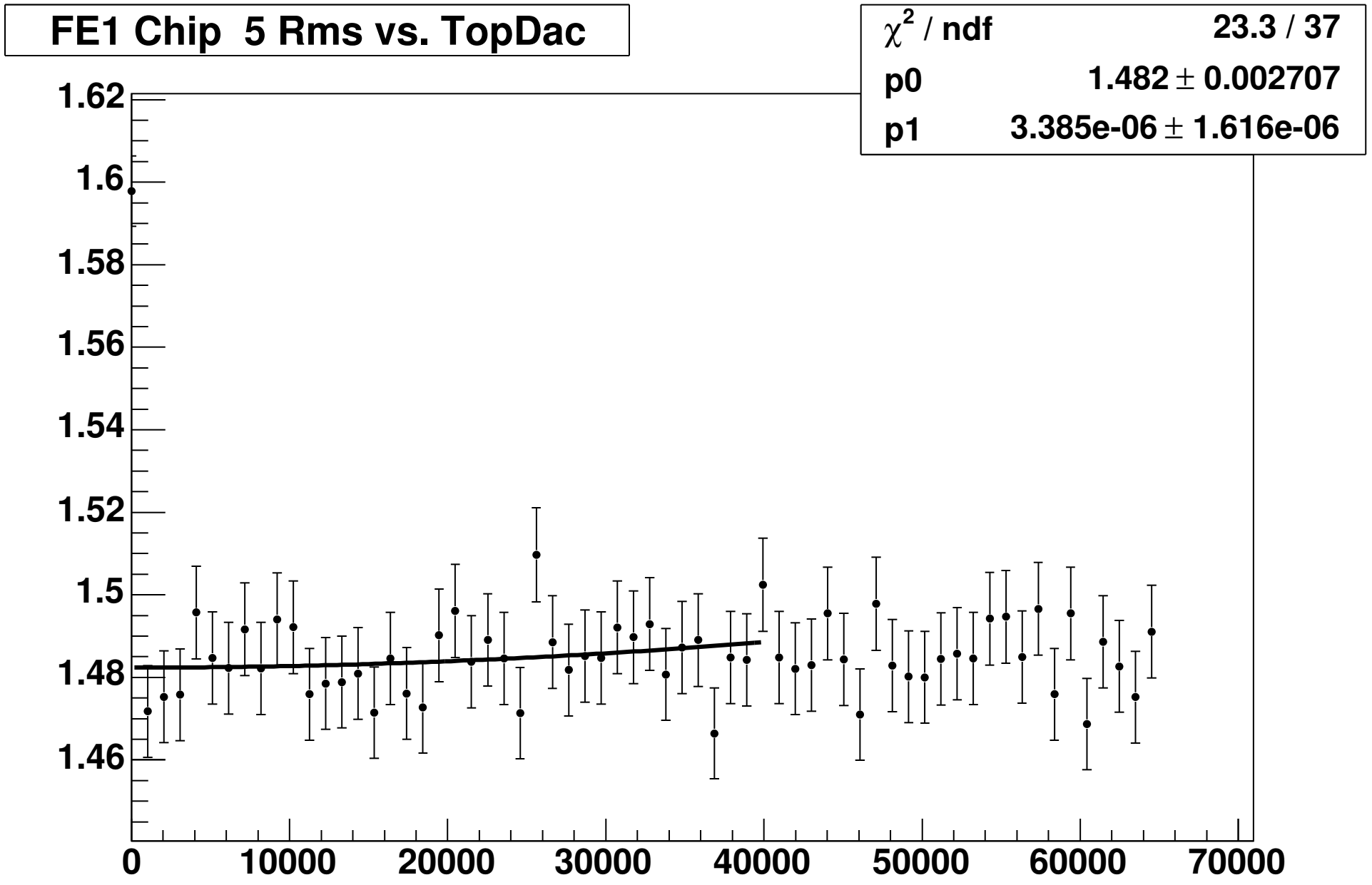
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 23.3 / 37
p0 1.482 ± 0.002707
p1 3.385e-06 ± 1.616e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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60000
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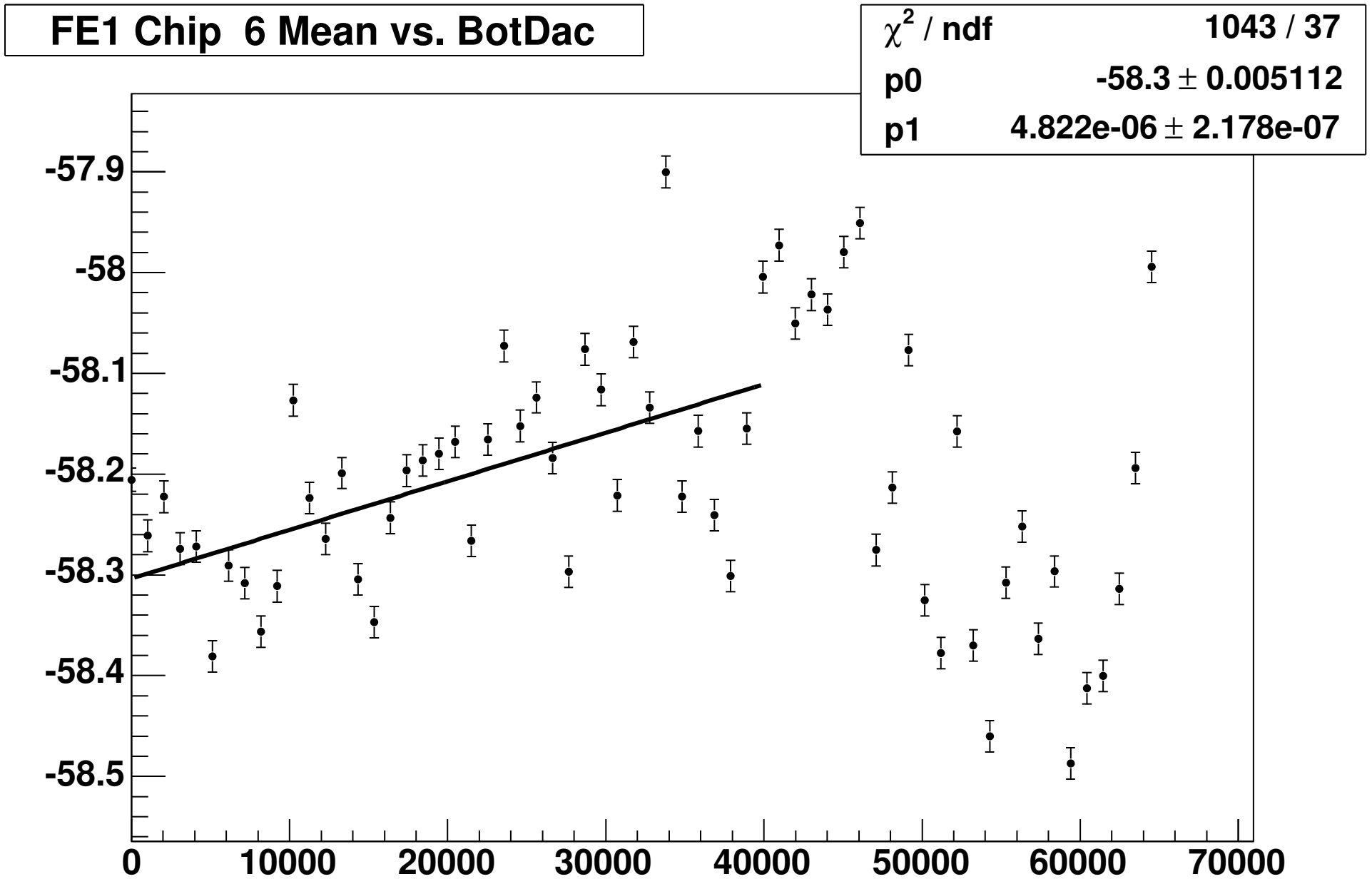
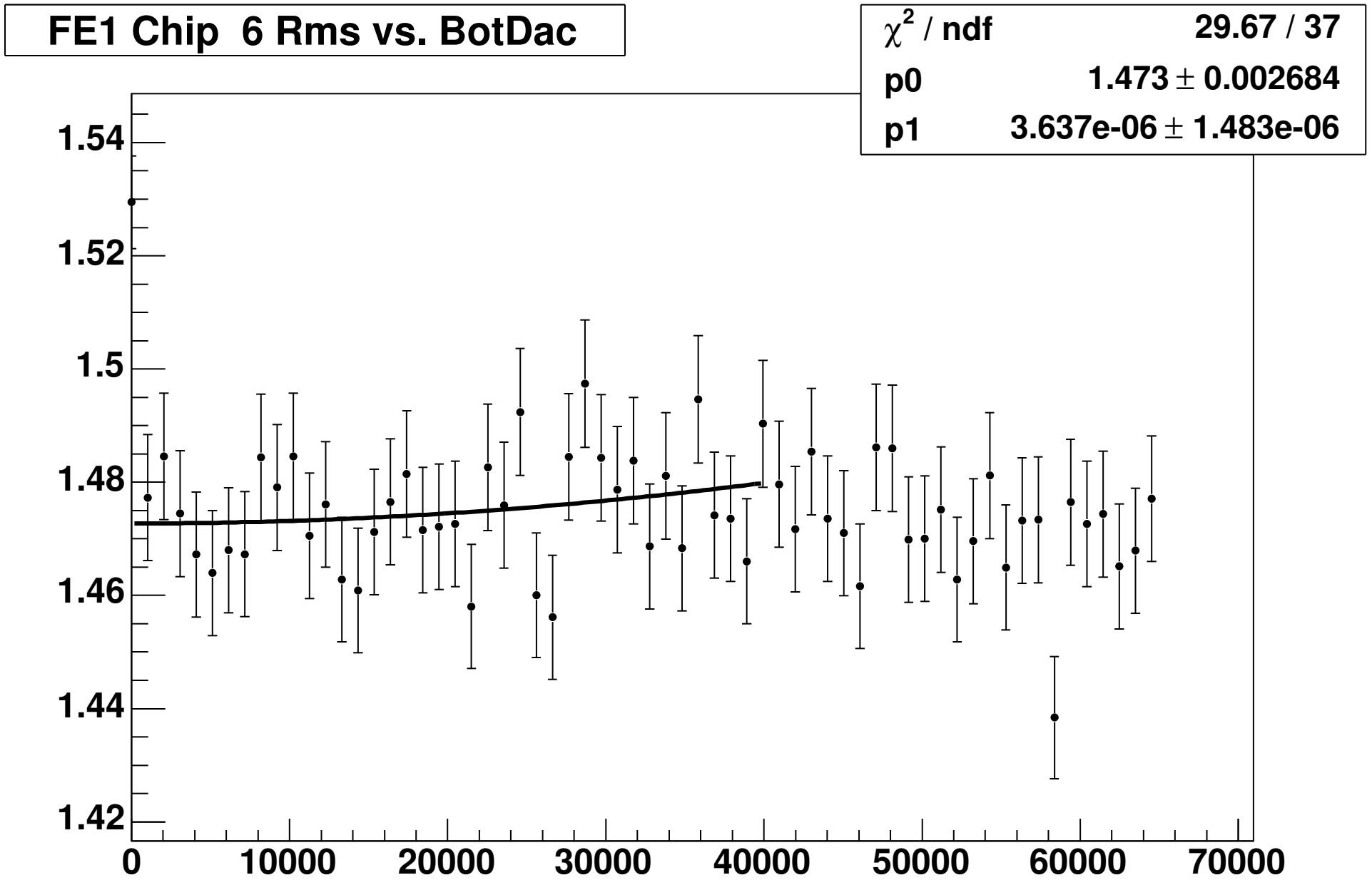
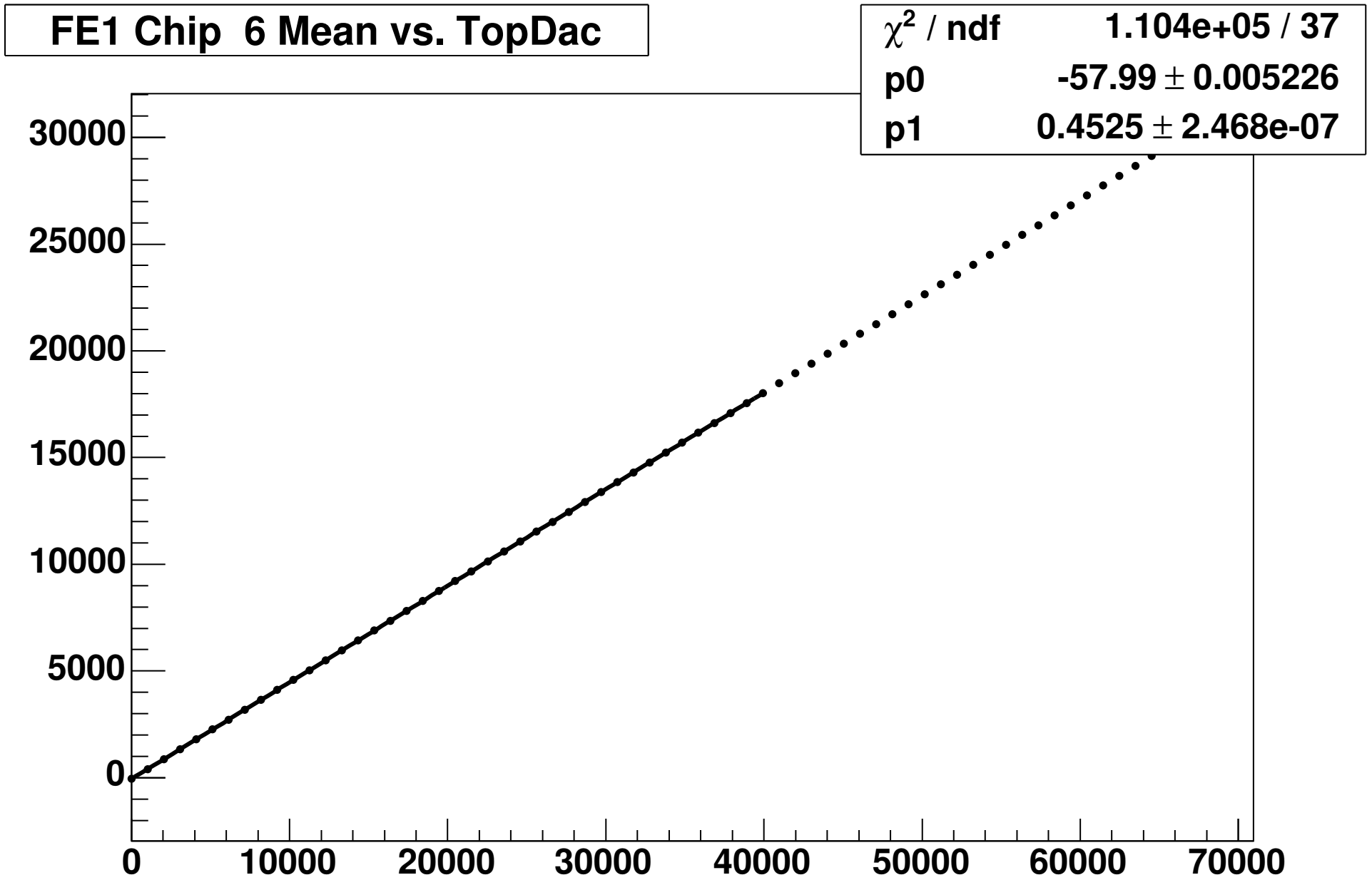

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 1043 / 37
p0 -58.3 ± 0.005112
p1 4.822e-06 ± 2.178e-07
-57.9
-58
-58.1
-58.2
-58.3
-58.4
-58.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 29.67 / 37
p0 1.473 ± 0.002684
p1 3.637e-06 ± 1.483e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.104e+05 / 37
p0 -57.99 ± 0.005226
p1 0.4525 ± 2.468e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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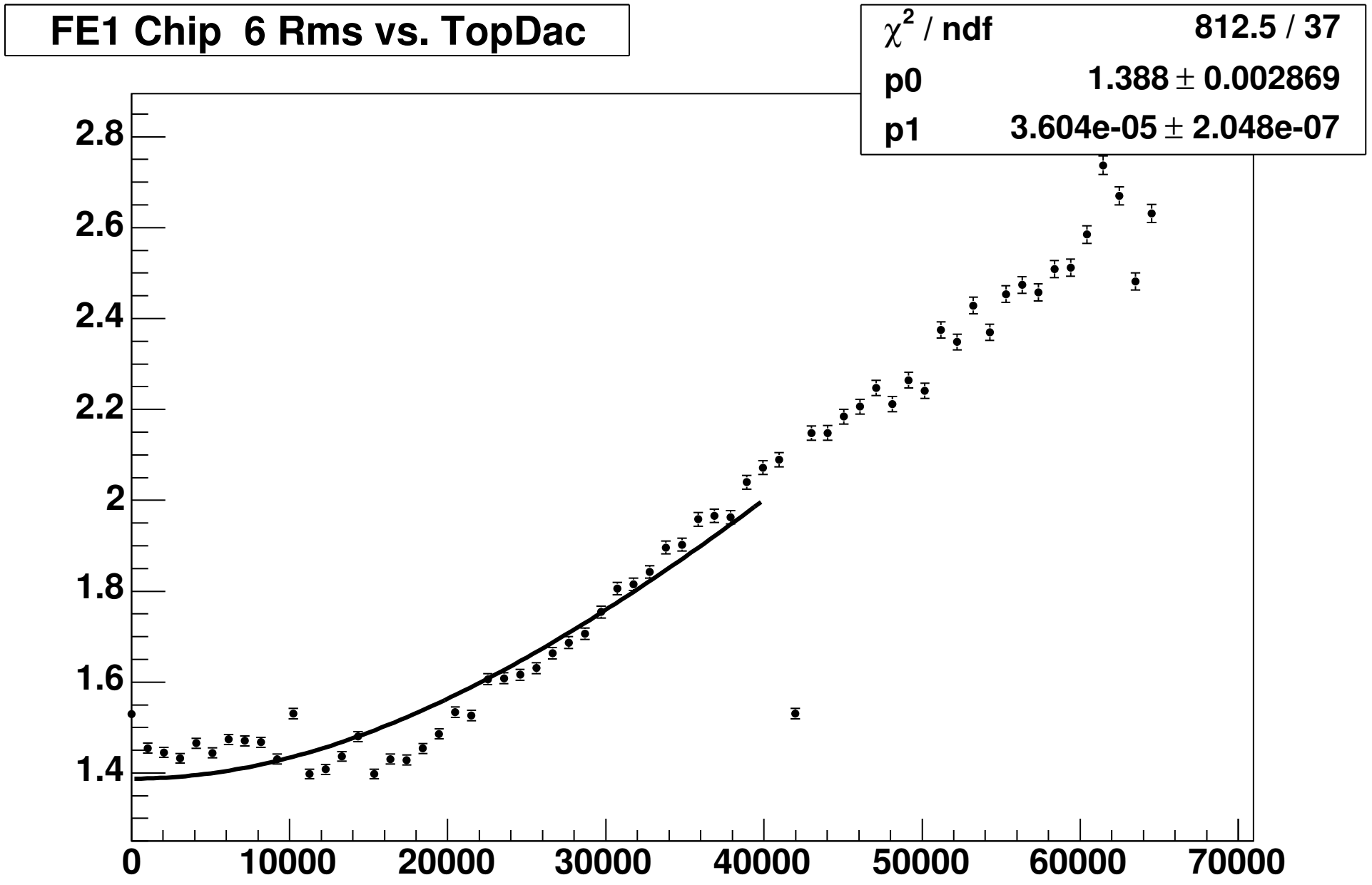
FE1 Chip 6 Rms vs. TopDac
χ² / ndf 812.5 / 37
p0 1.388 ± 0.002869
p1 3.604e-05 ± 2.048e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
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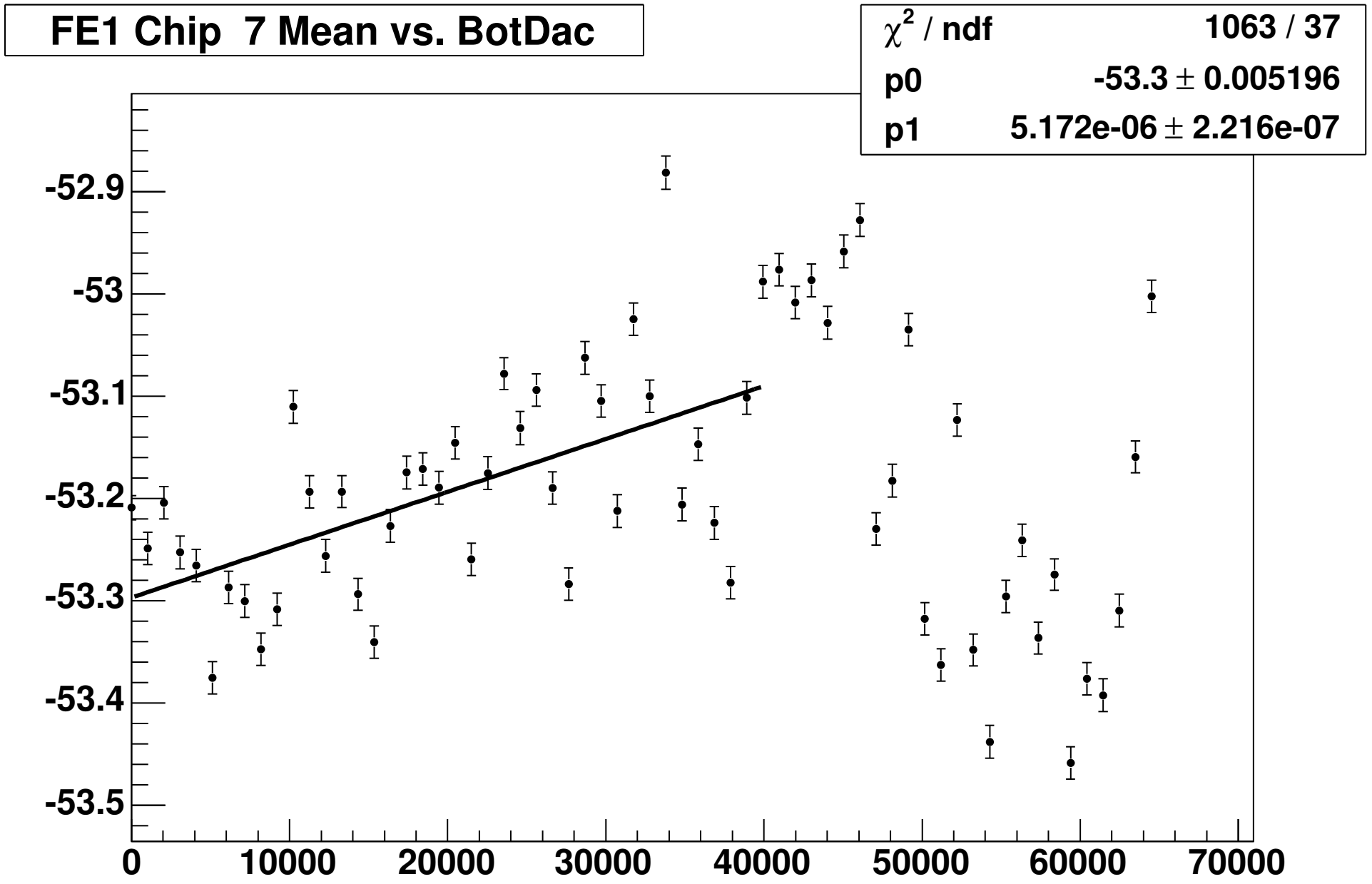
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1063 / 37
p0 -53.3 ± 0.005196
p1 5.172e-06 ± 2.216e-07
-52.9
-53
-53.1
-53.2
-53.3
-53.4
-53.5
0
10000
20000
30000
40000
50000
60000
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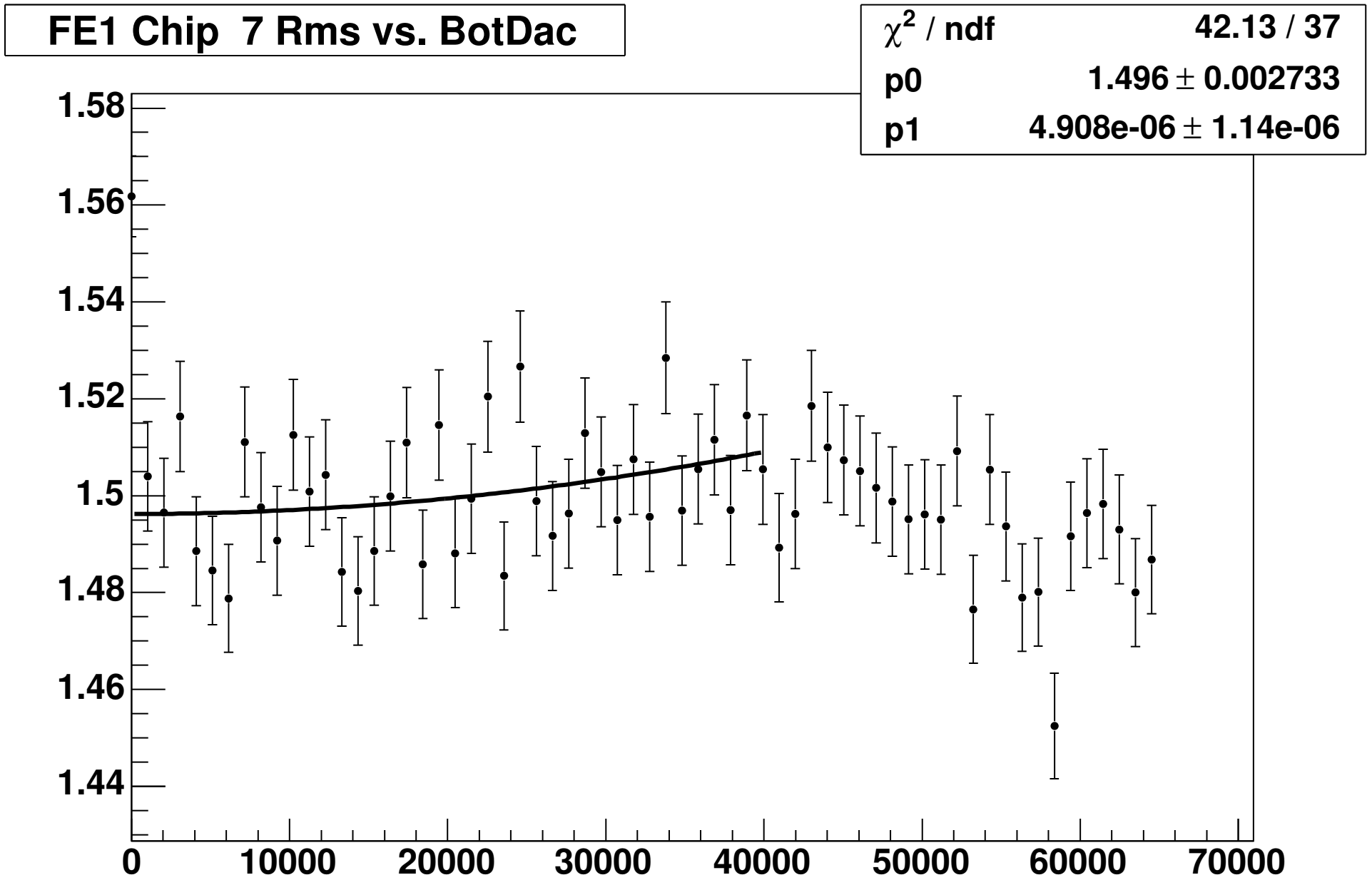
FE1 Chip 7 Rms vs. BotDac
χ² / ndf 42.13 / 37
p0 1.496 ± 0.002733
p1 4.908e-06 ± 1.14e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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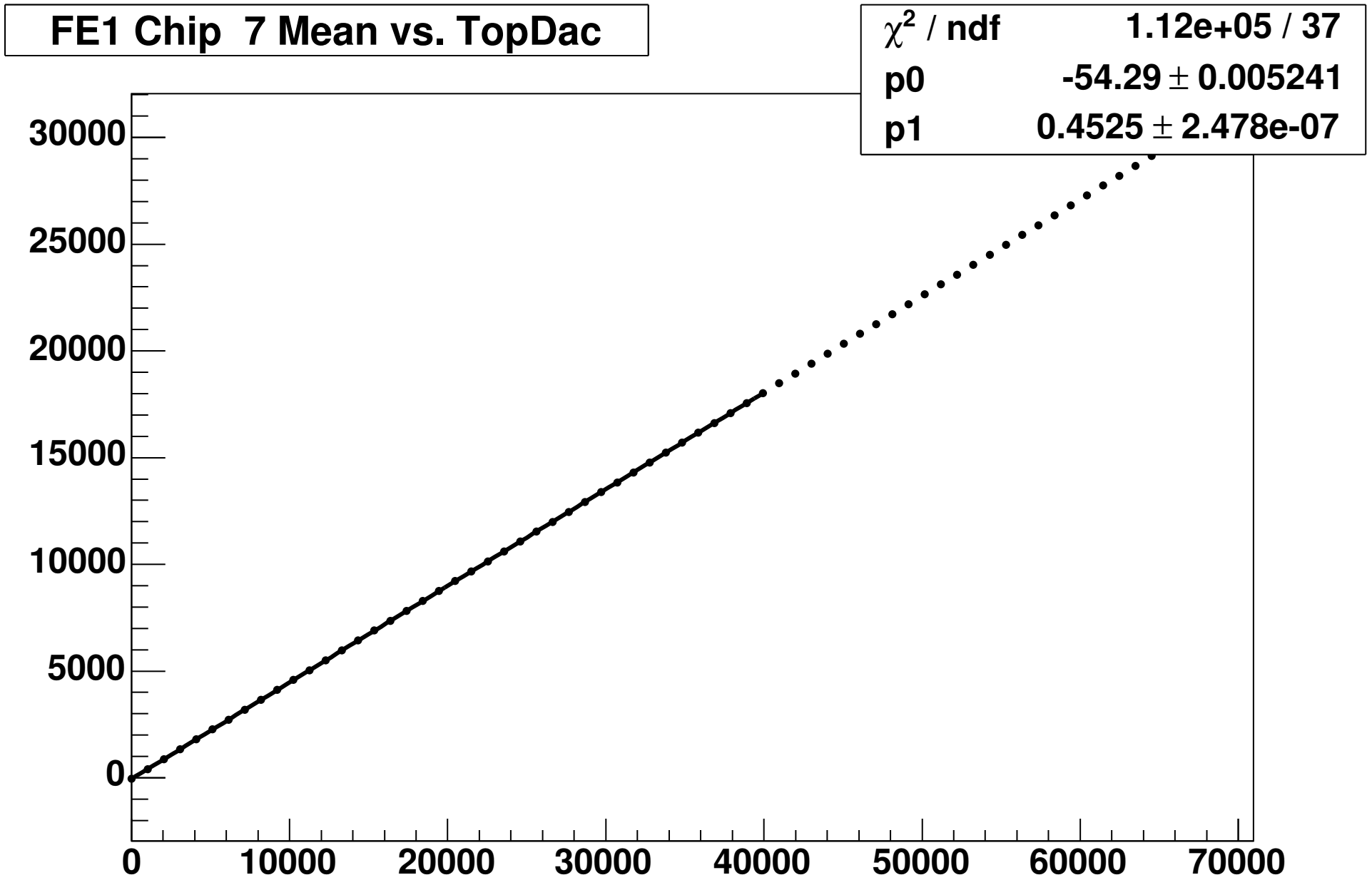
50000
60000
70000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.12e+05 / 37
p0 -54.29 ± 0.005241
p1 0.4525 ± 2.478e-07
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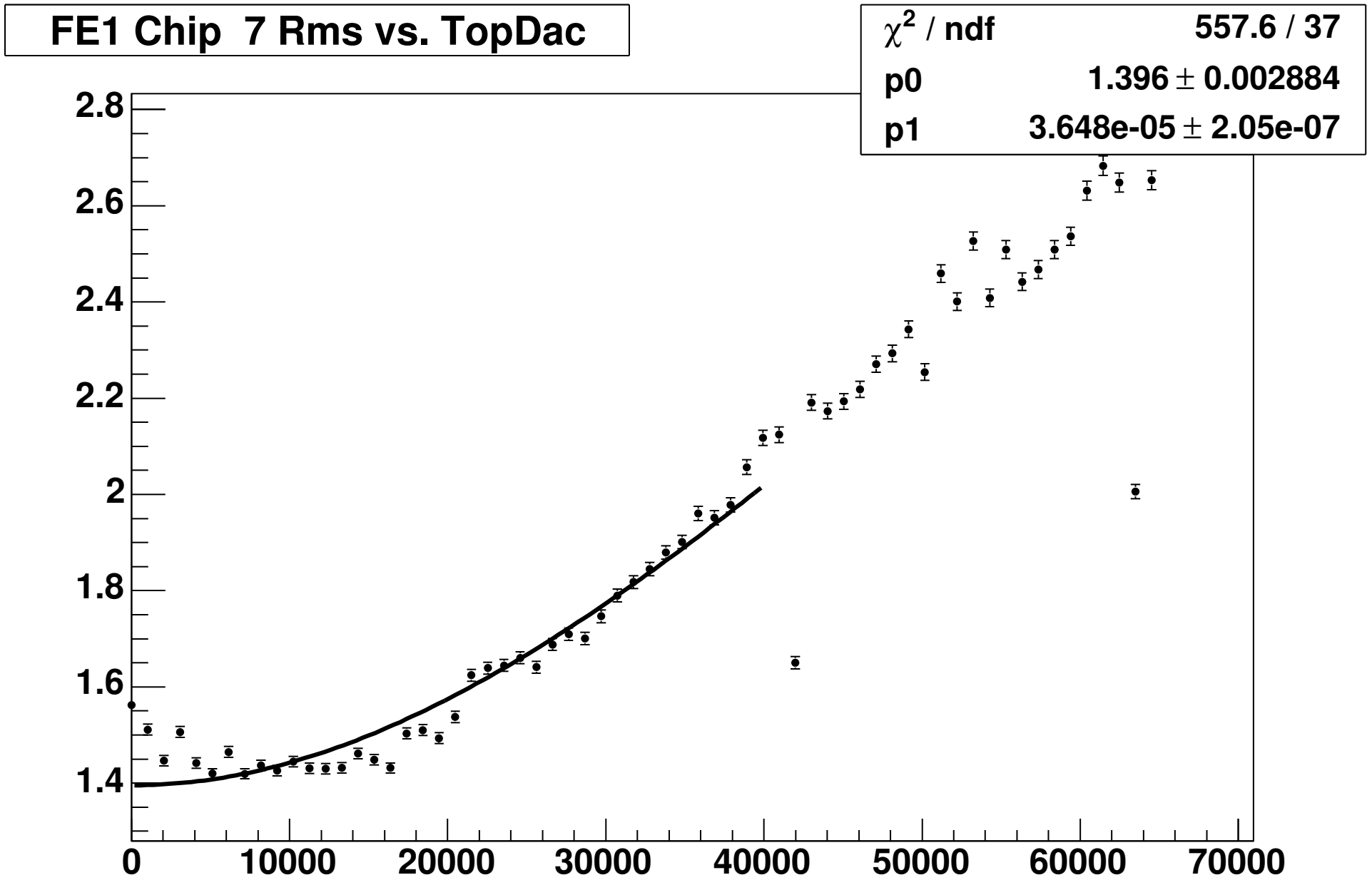
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 557.6 / 37
p0 1.396 ± 0.002884
p1 3.648e-05 ± 2.05e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
60000
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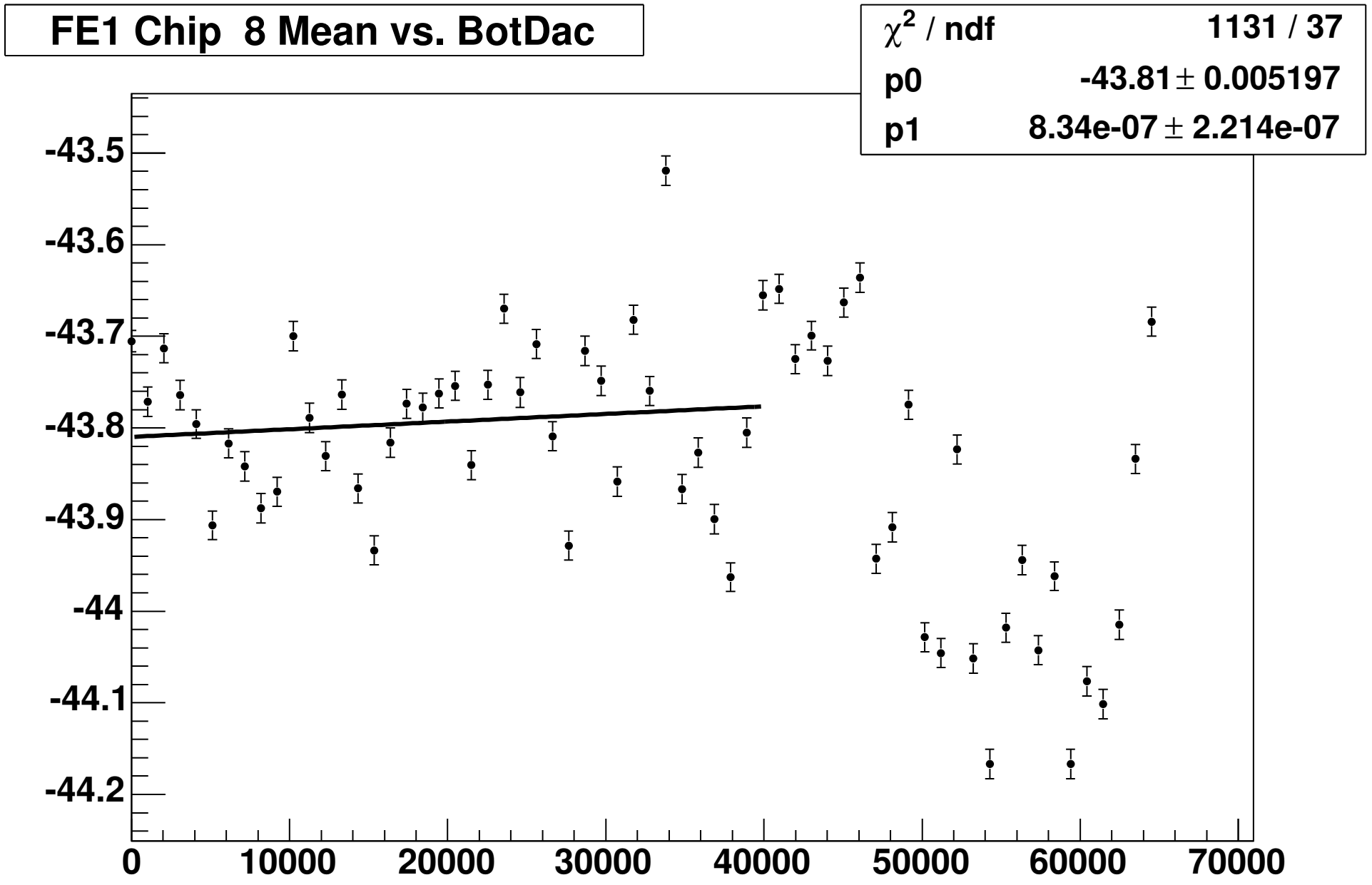
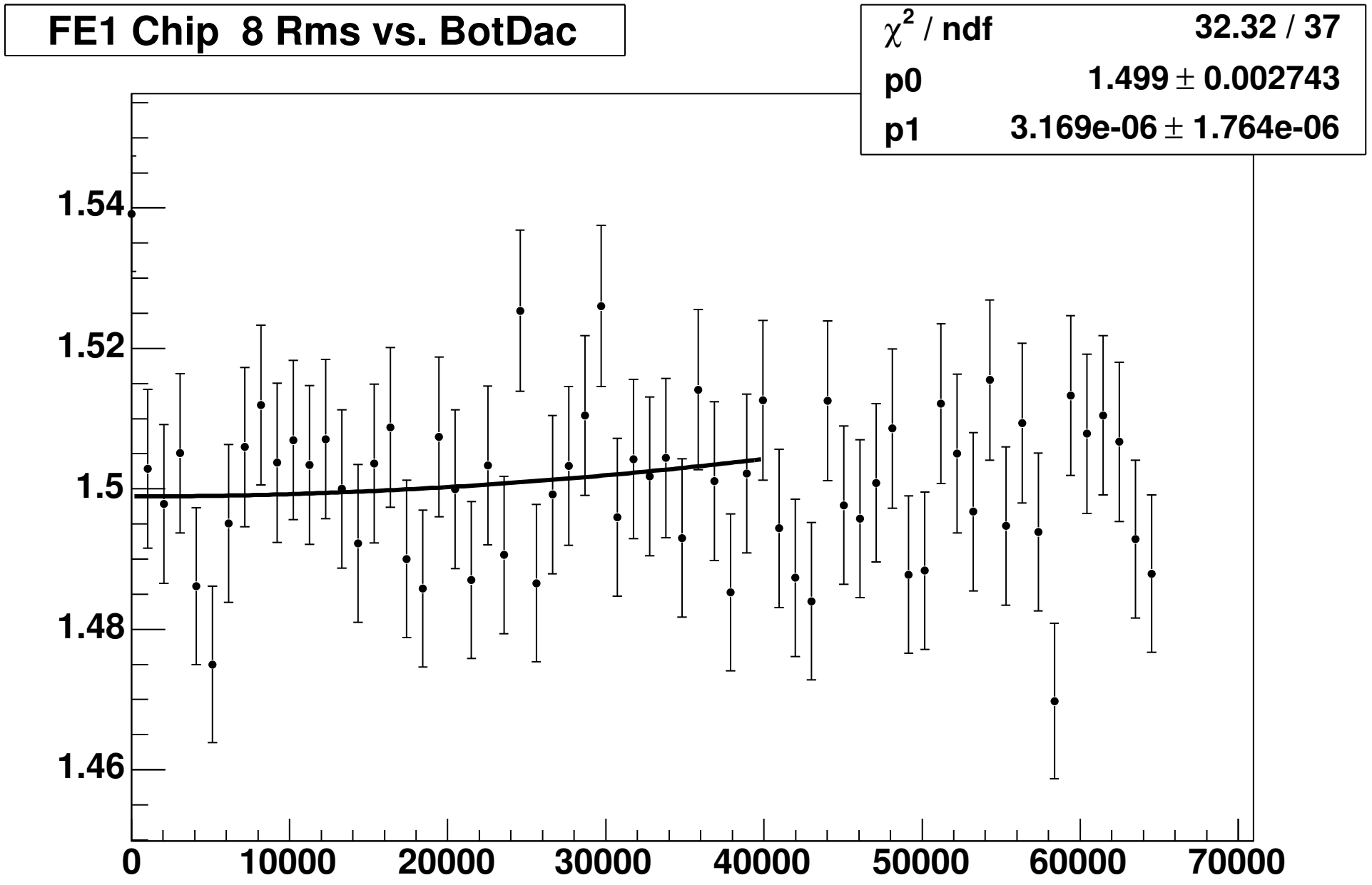

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 1131 / 37
p0 -43.81 ± 0.005197
p1 8.34e-07 ± 2.214e-07
-43.5
-43.6
-43.7
-43.8
-43.9
-44
-44.1
-44.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 32.32 / 37
p0 1.499 ± 0.002743
p1 3.169e-06 ± 1.764e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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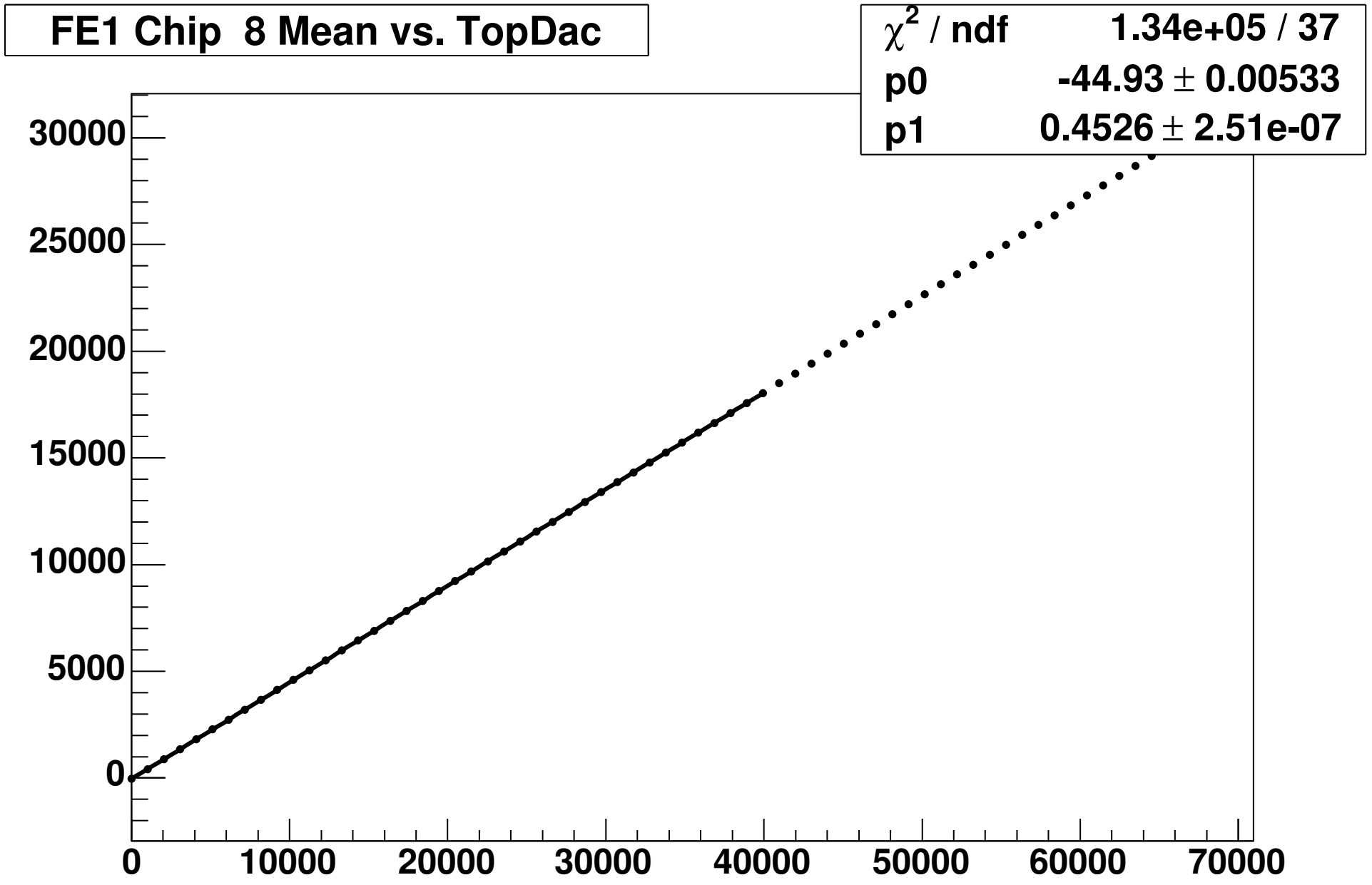
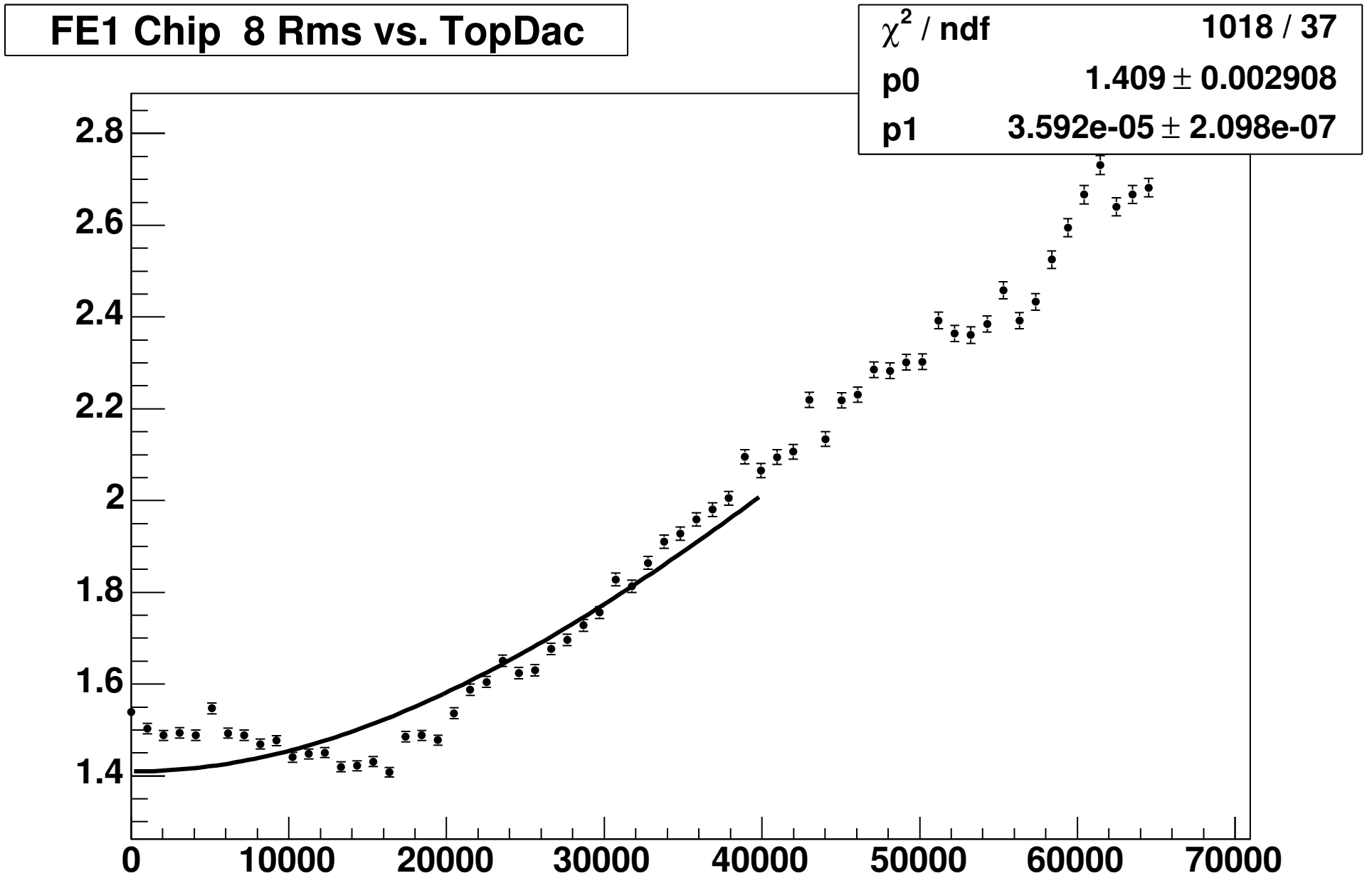
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.34e+05 / 37
p0 -44.93 ± 0.00533
p1 0.4526 ± 2.51e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1018 / 37
p0 1.409 ± 0.002908
p1 3.592e-05 ± 2.098e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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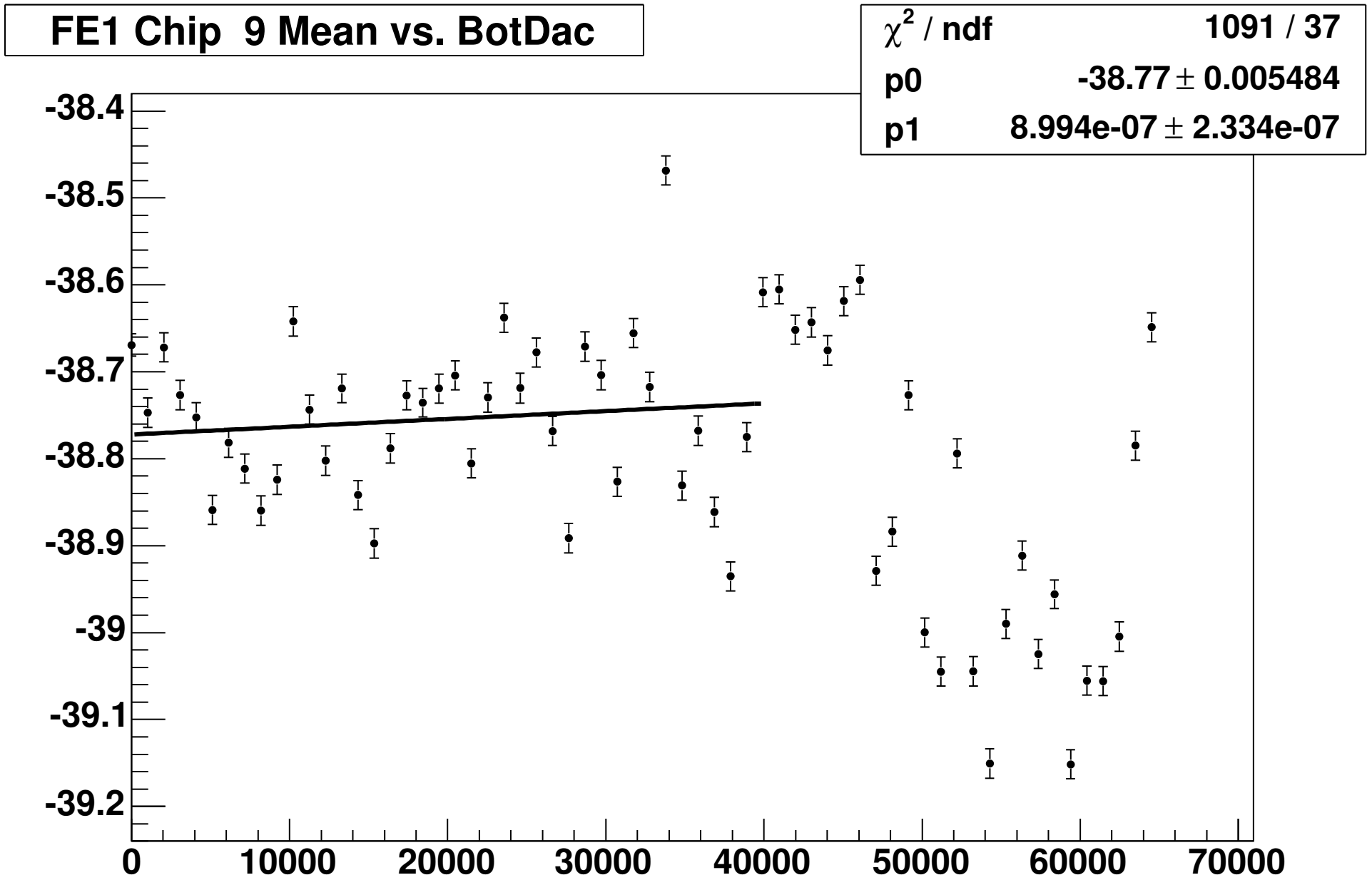
FE1 Chip 9 Mean vs. BotDac
χ² / ndf 1091 / 37
p0 -38.77 ± 0.005484
p1 8.994e-07 ± 2.334e-07
-38.4
-38.5
-38.6
-38.7
-38.8
-38.9
-39
-39.1
-39.2
0
10000
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30000
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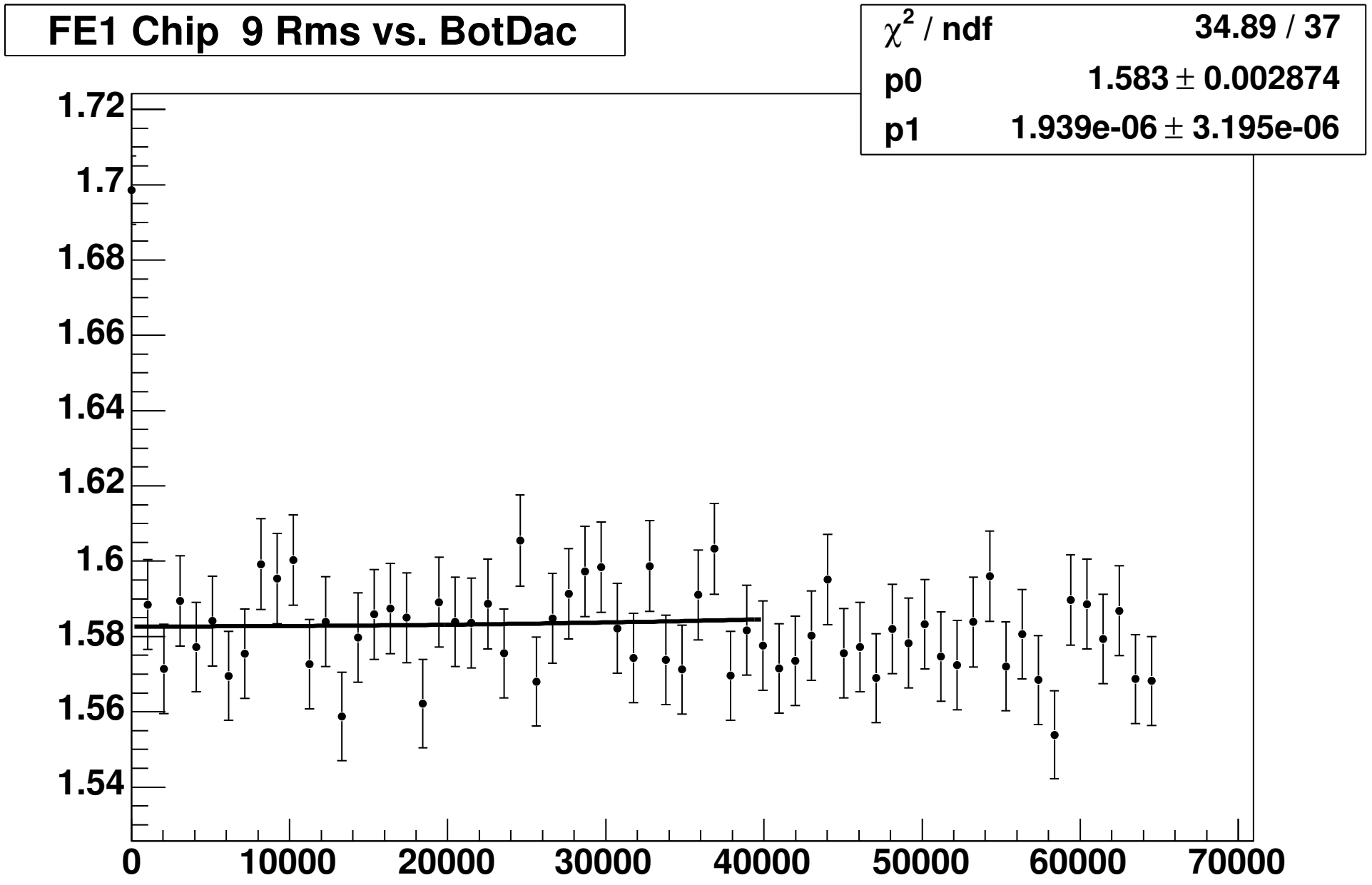
FE1 Chip 9 Rms vs. BotDac
χ² / ndf 34.89 / 37
p0 1.583 ± 0.002874
p1 1.939e-06 ± 3.195e-06
1.72
1.7
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
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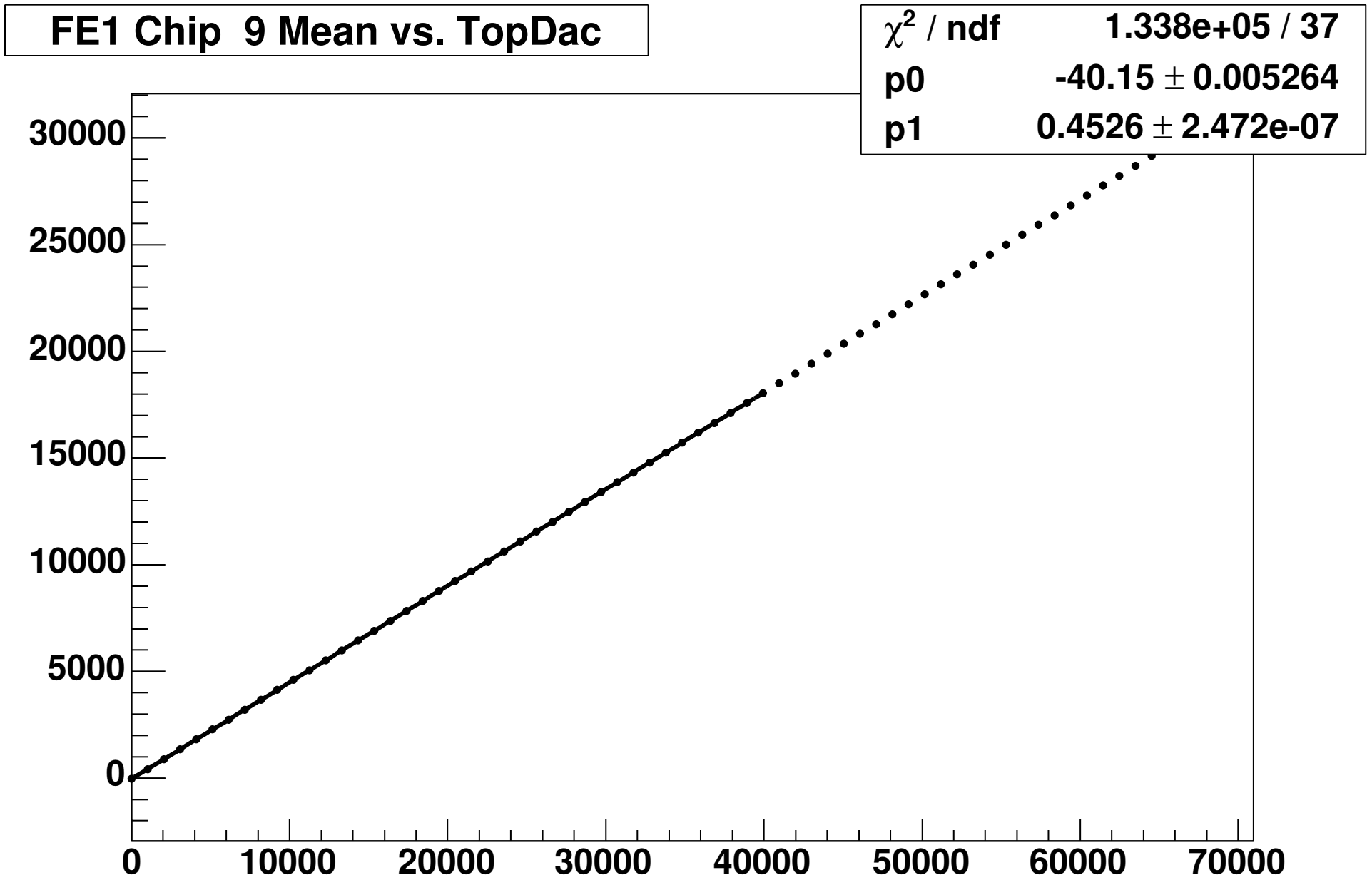
40000
50000
60000
70000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.338e+05 / 37
p0 -40.15 ± 0.005264
p1 0.4526 ± 2.472e-07
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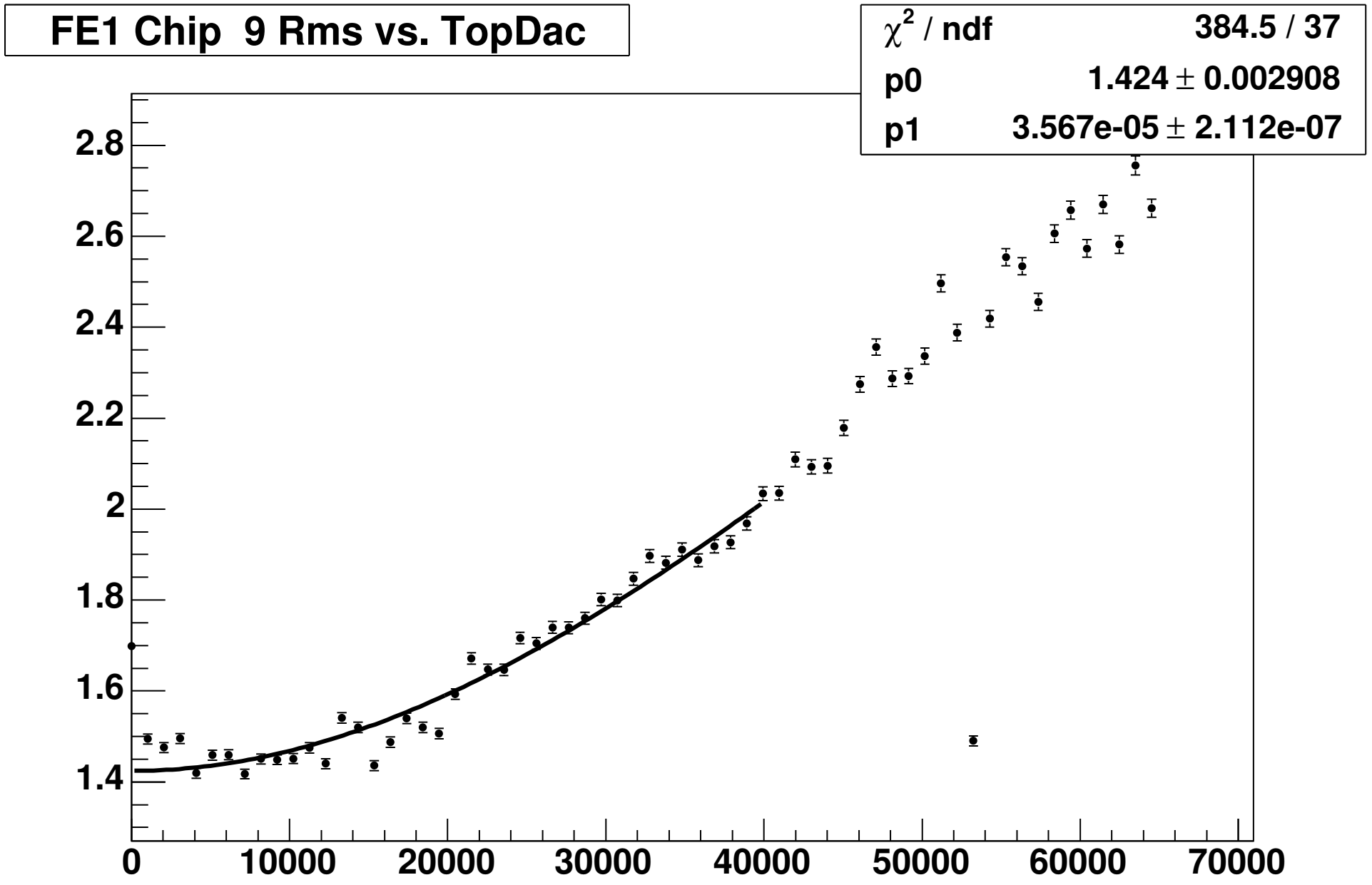
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 384.5 / 37
p0 1.424 ± 0.002908
p1 3.567e-05 ± 2.112e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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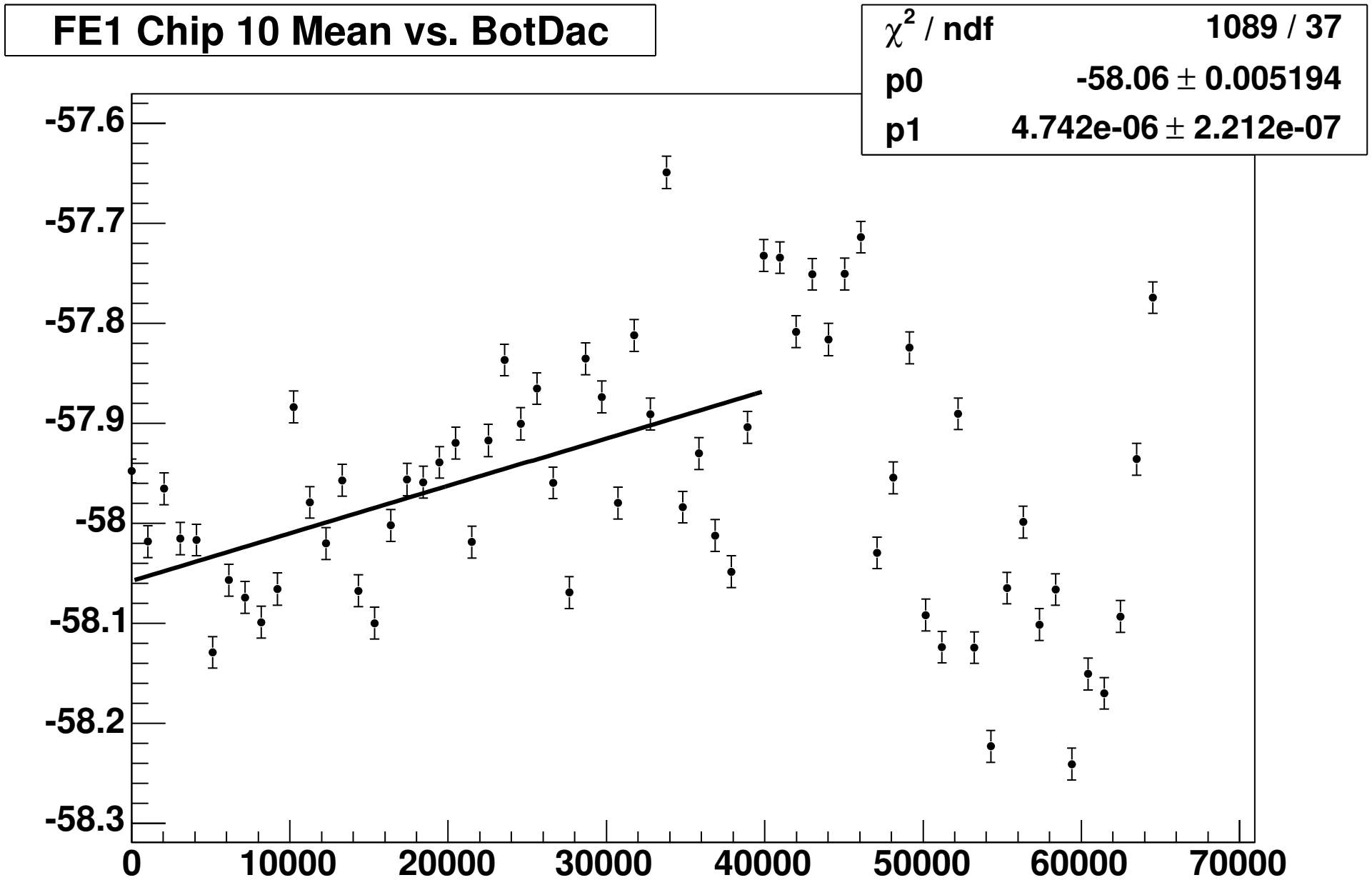
50000
60000
70000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 1089 / 37
p0 -58.06 ± 0.005194
p1 4.742e-06 ± 2.212e-07
-57.6
-57.7
-57.8
-57.9
-58
-58.1
-58.2
-58.3
0
10000
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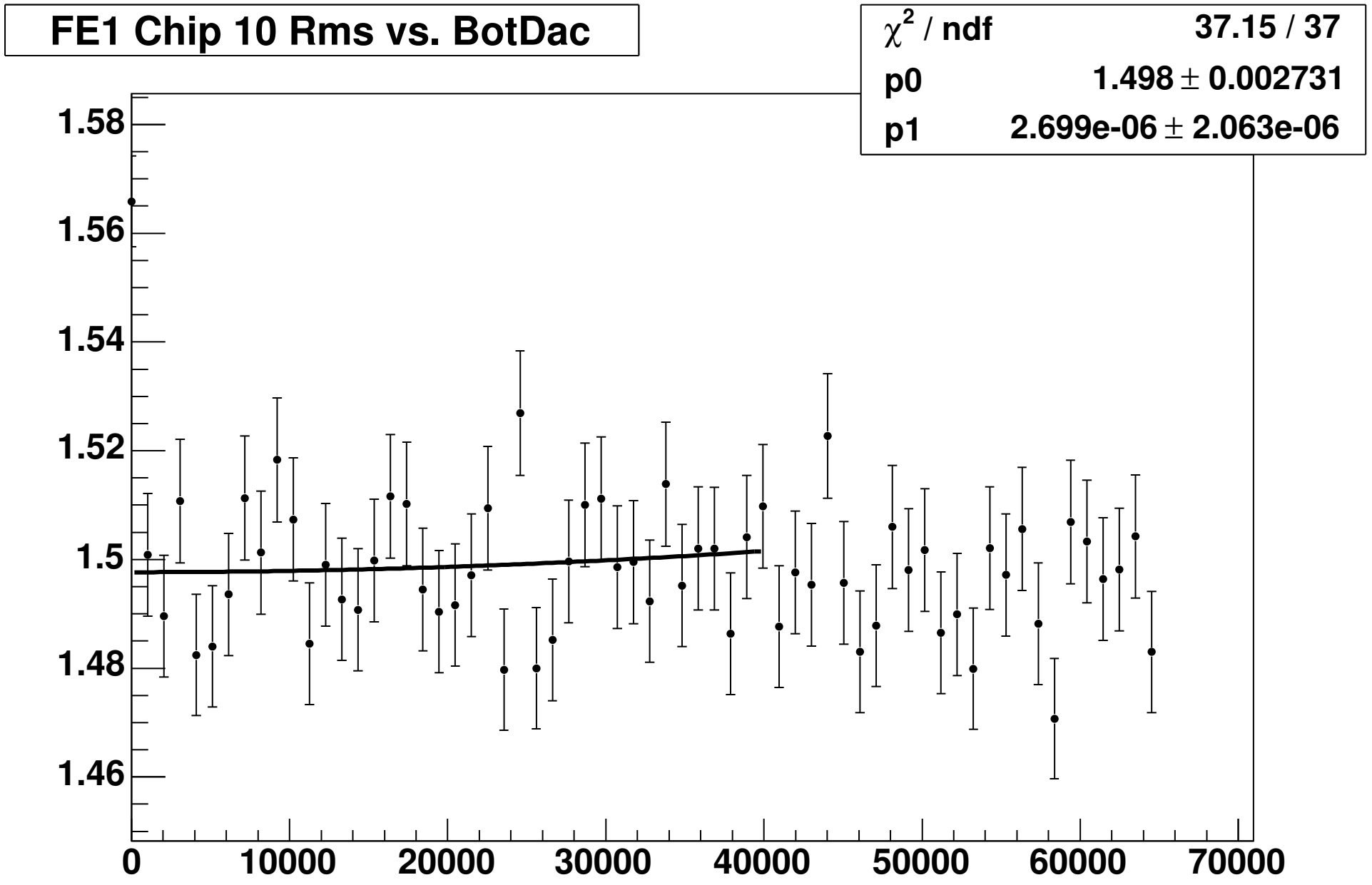
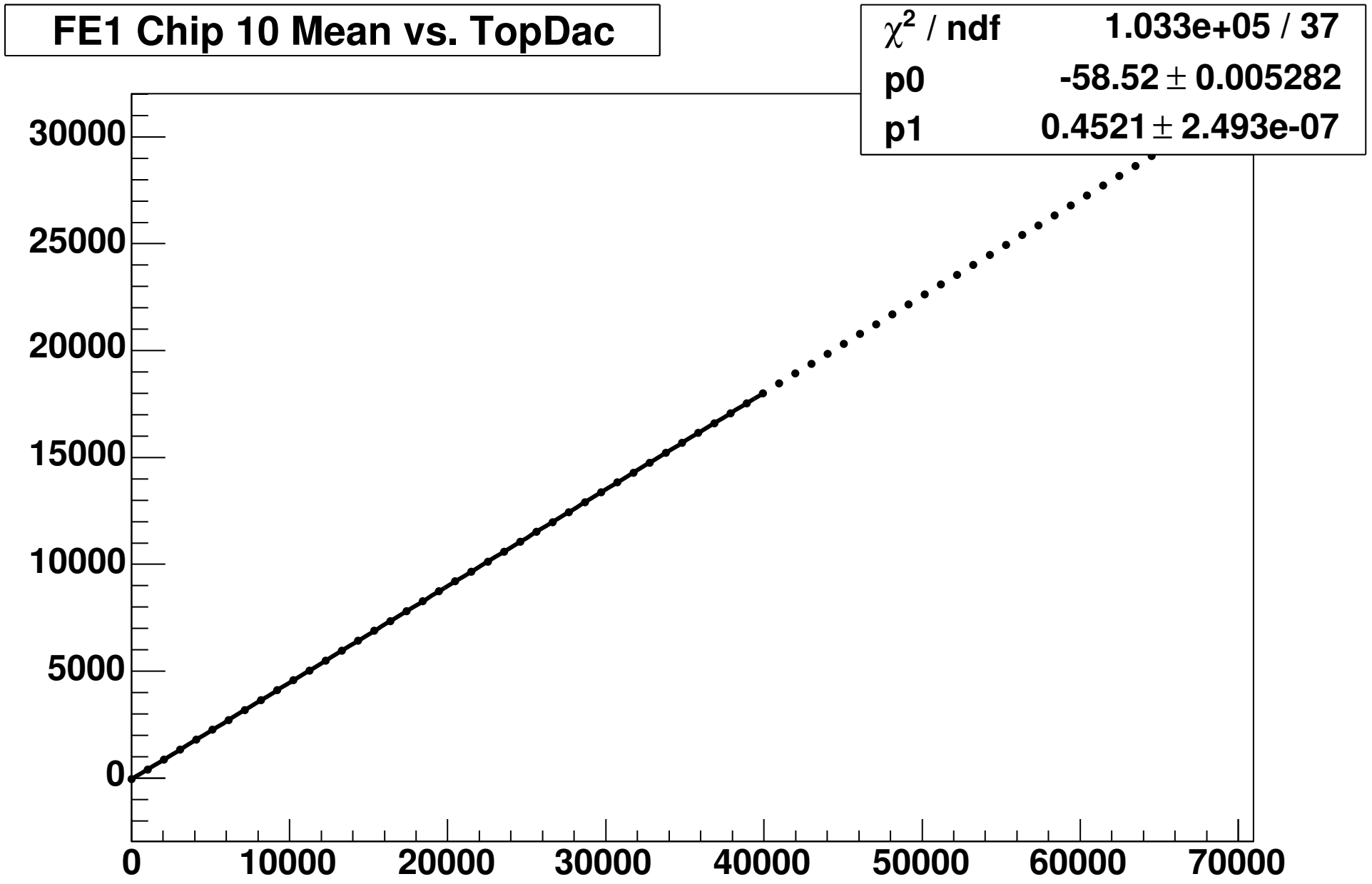
40000
50000
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 37.15 / 37
p0 1.498 ± 0.002731
p1 2.699e-06 ± 2.063e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.033e+05 / 37
p0 -58.52 ± 0.005282
p1 0.4521 ± 2.493e-07
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25000
20000
15000
10000
5000
0
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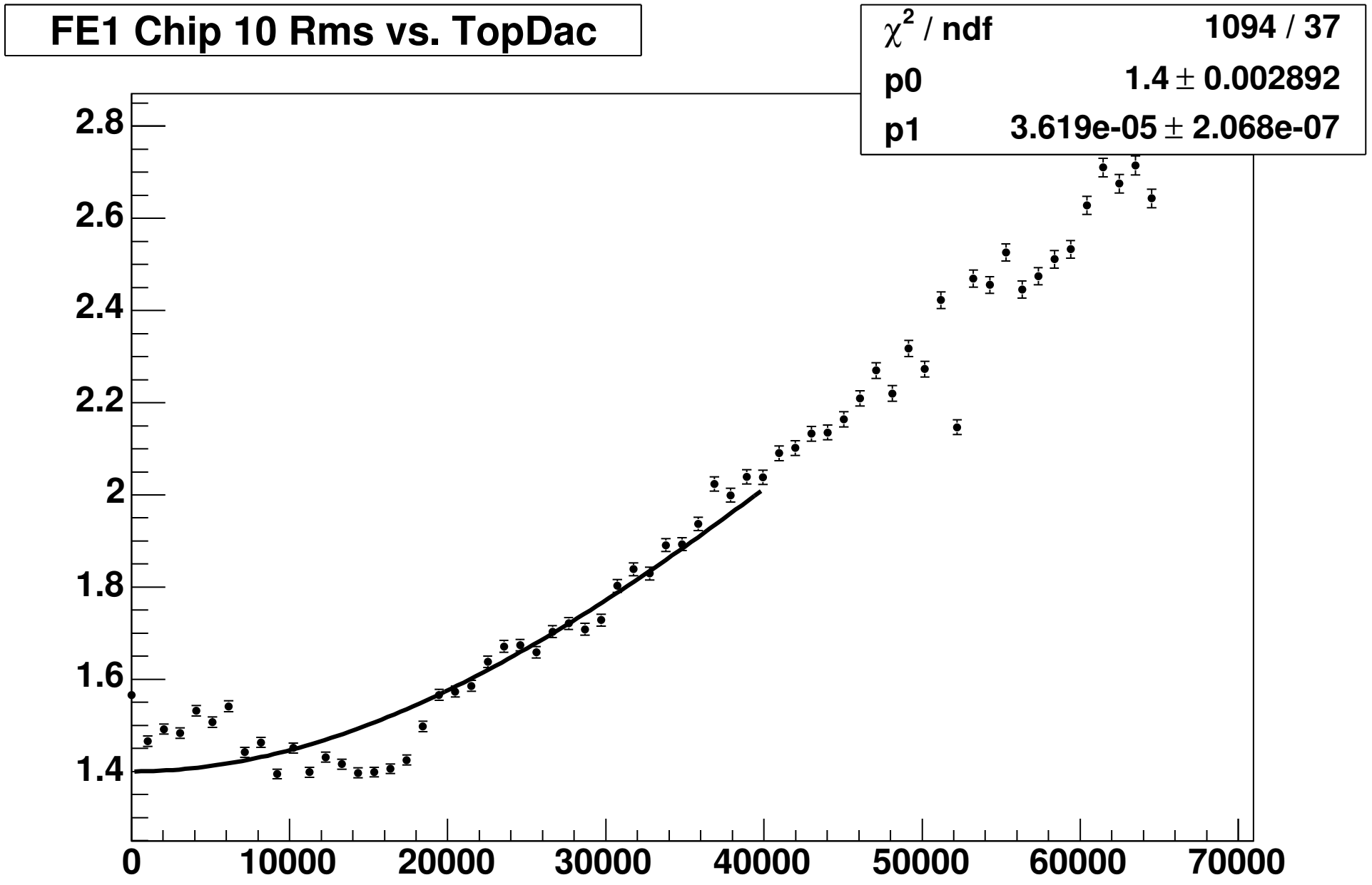
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1094 / 37
p0 1.4 ± 0.002892
p1 3.619e-05 ± 2.068e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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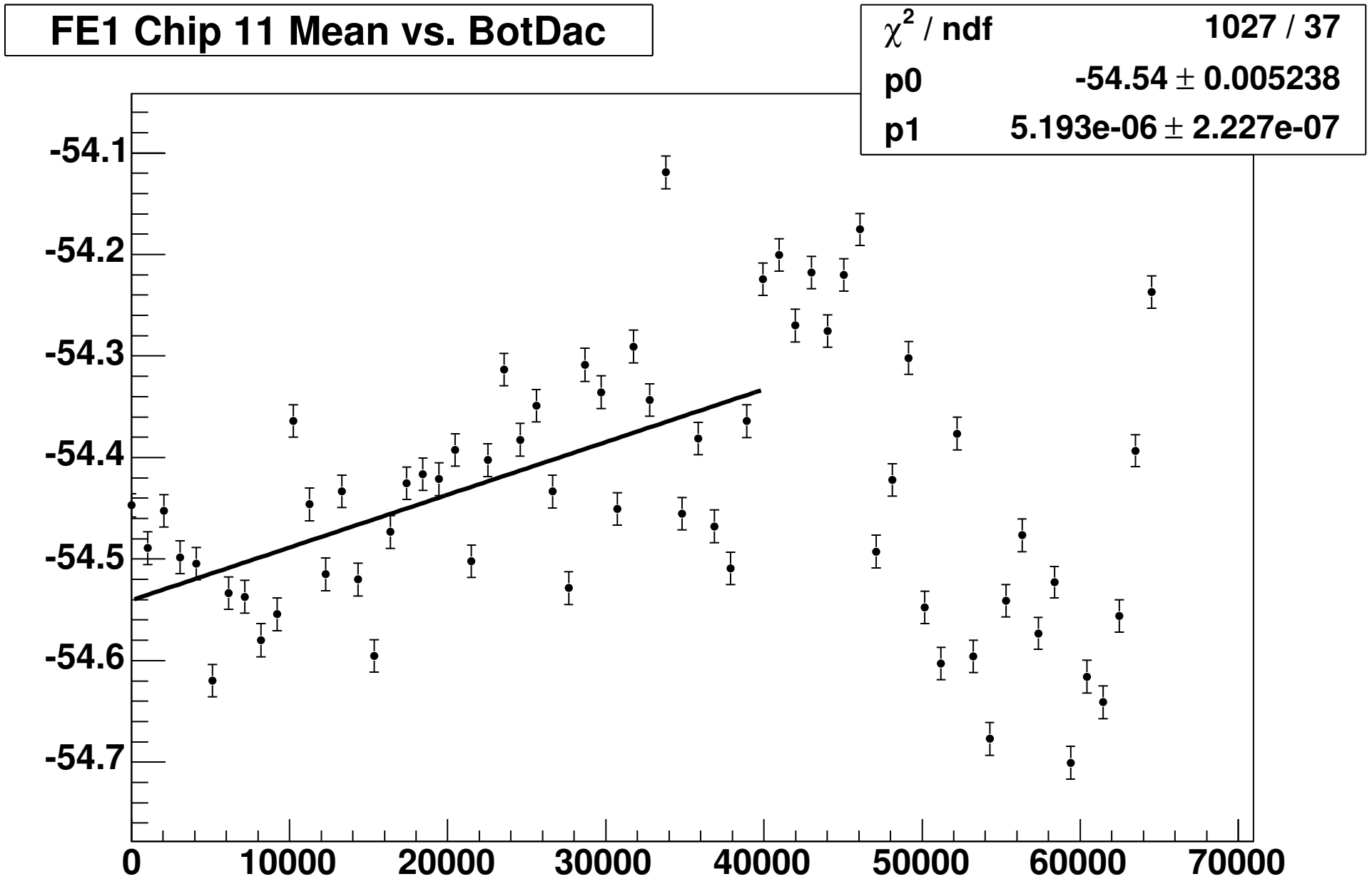
FE1 Chip 11 Mean vs. BotDac
χ² / ndf 1027 / 37
p0 -54.54 ± 0.005238
p1 5.193e-06 ± 2.227e-07
-54.1
-54.2
-54.3
-54.4
-54.5
-54.6
-54.7
0
10000
20000
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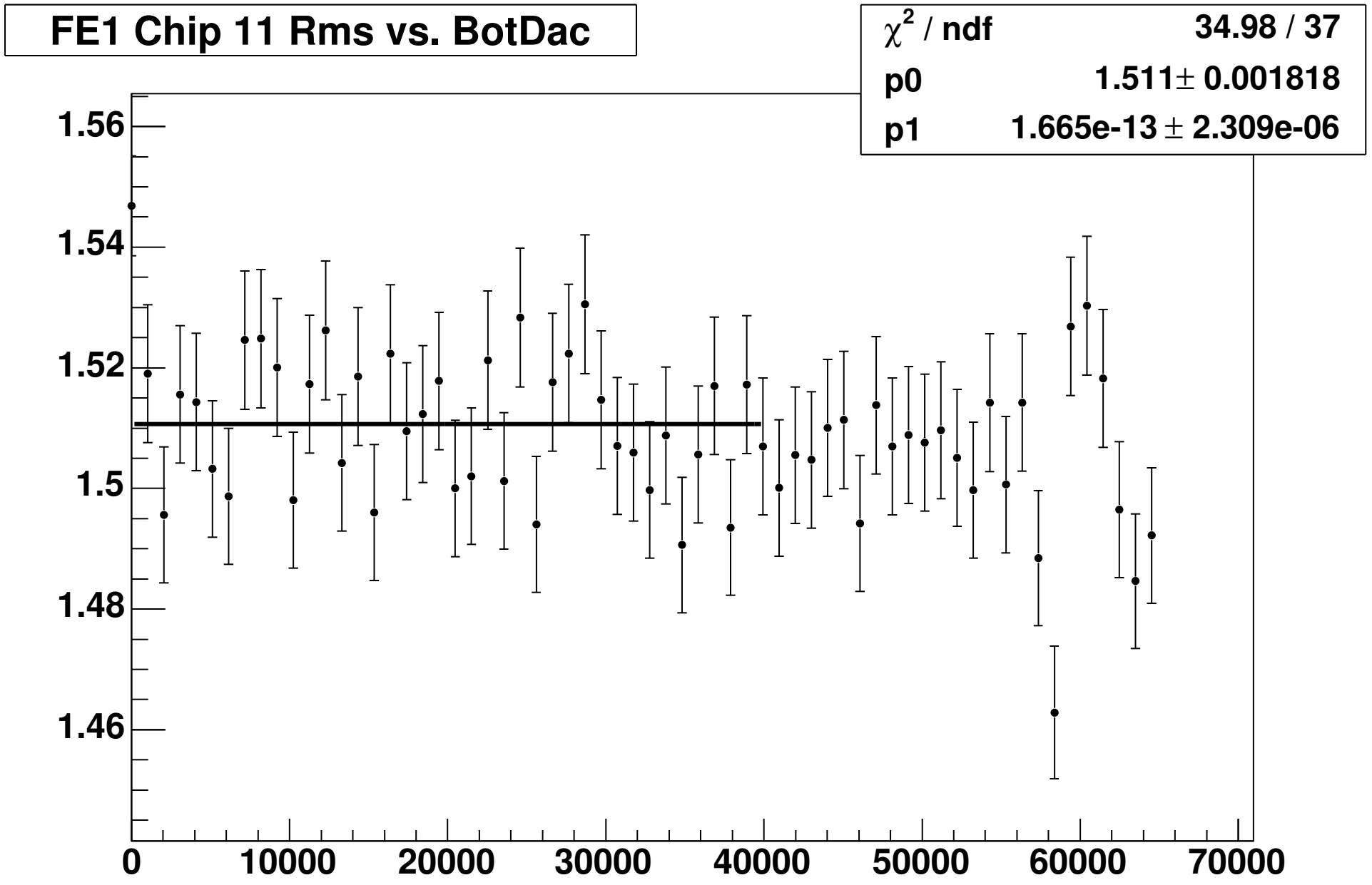
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 34.98 / 37
p0 1.511 ± 0.001818
p1 1.665e-13 ± 2.309e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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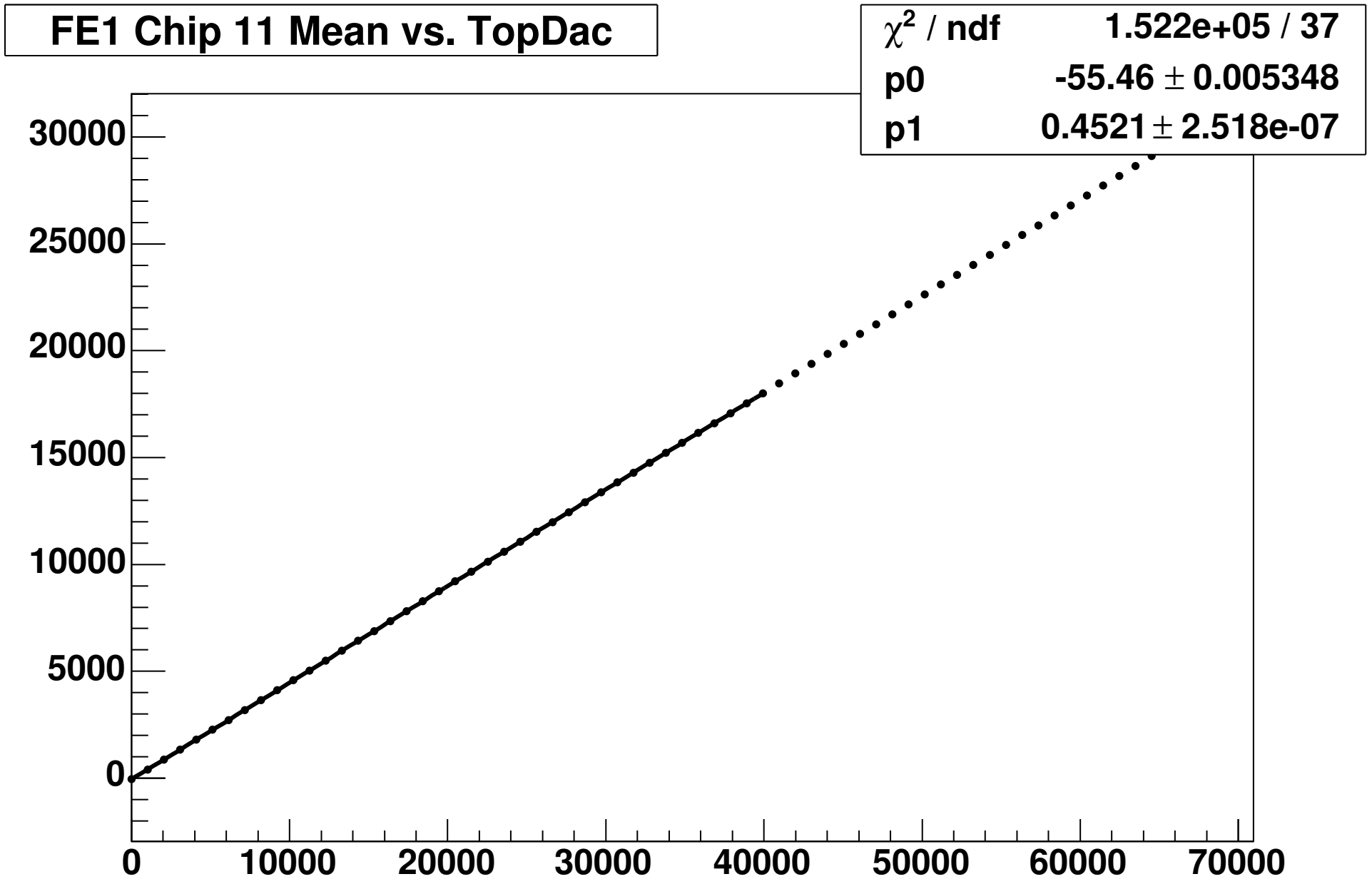
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.522e+05 / 37
p0 -55.46 ± 0.005348
p1 0.4521 ± 2.518e-07
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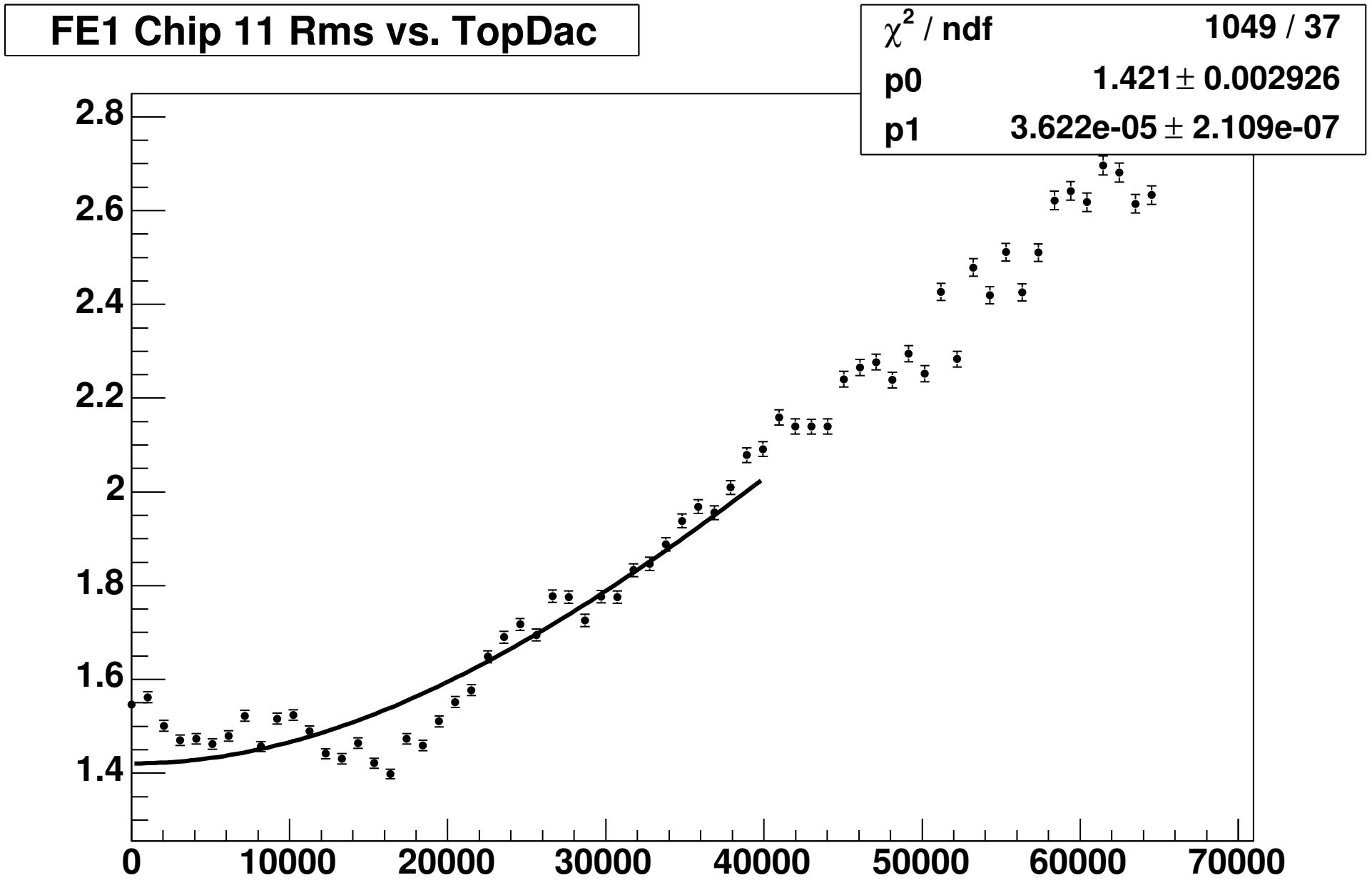
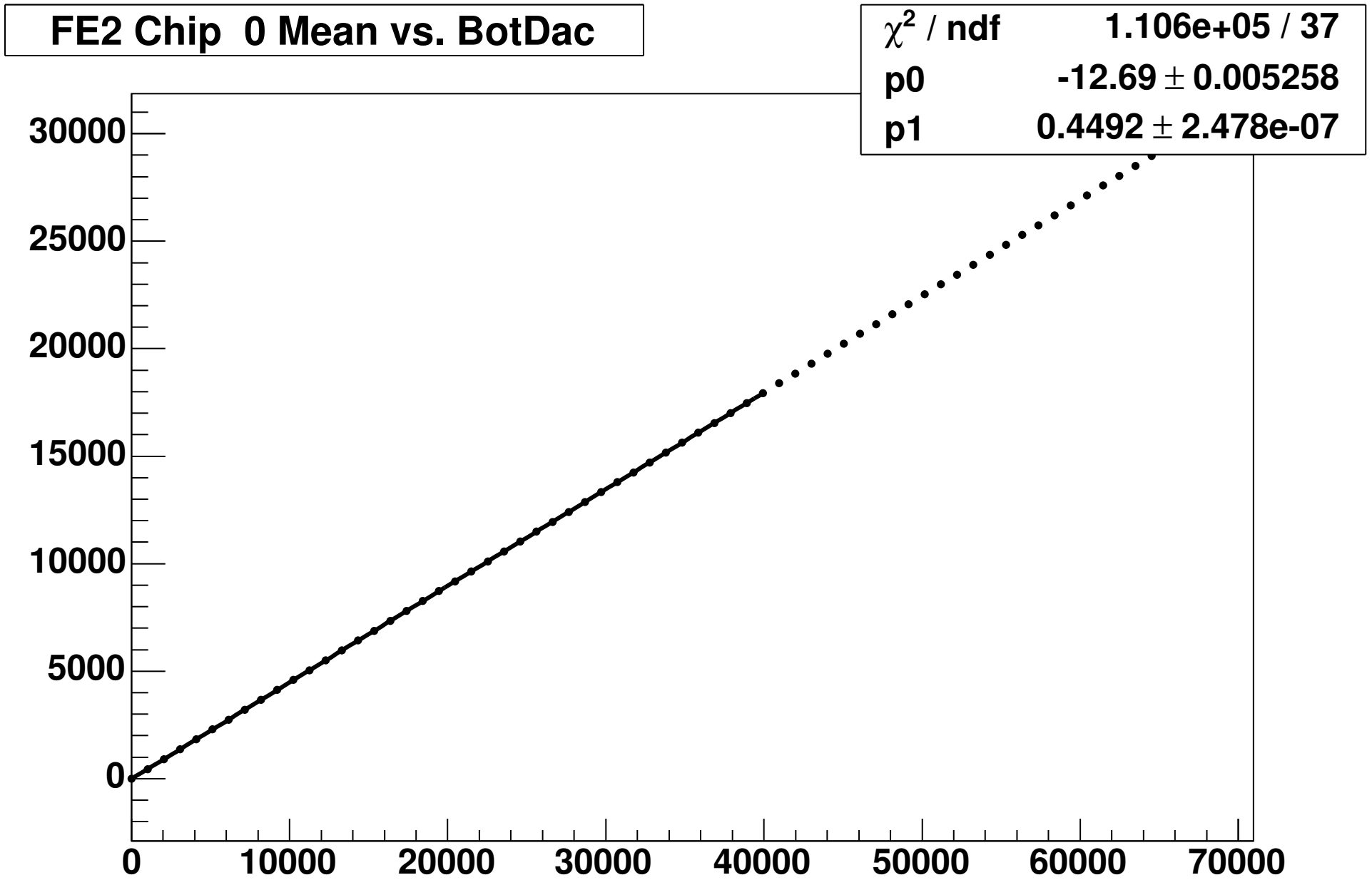
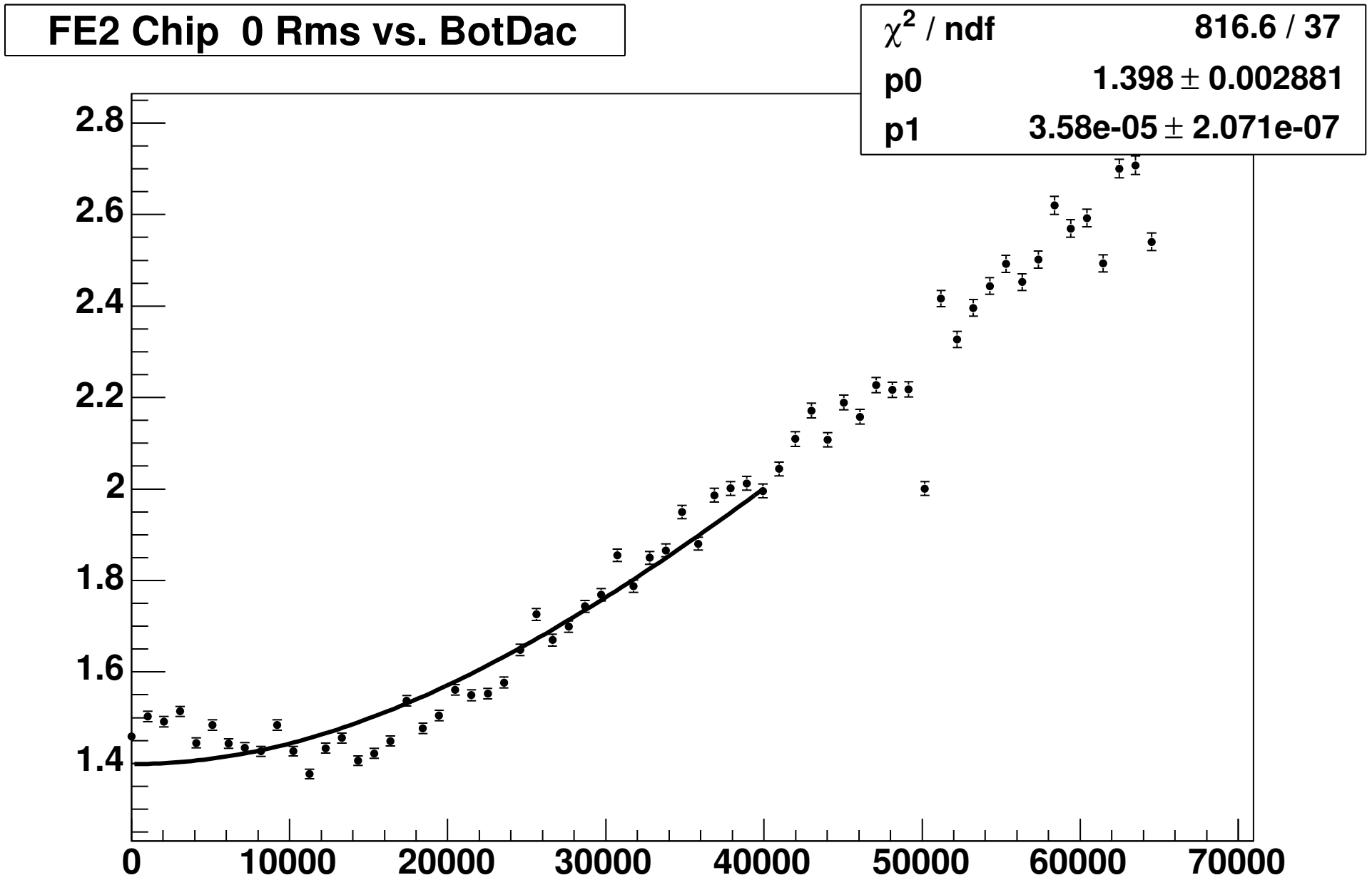
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 1049 / 37
p0 1.421 ± 0.002926
p1 3.622e-05 ± 2.109e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.106e+05 / 37
p0 -12.69 ± 0.005258
p1 0.4492 ± 2.478e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 816.6 / 37
p0 1.398 ± 0.002881
p1 3.58e-05 ± 2.071e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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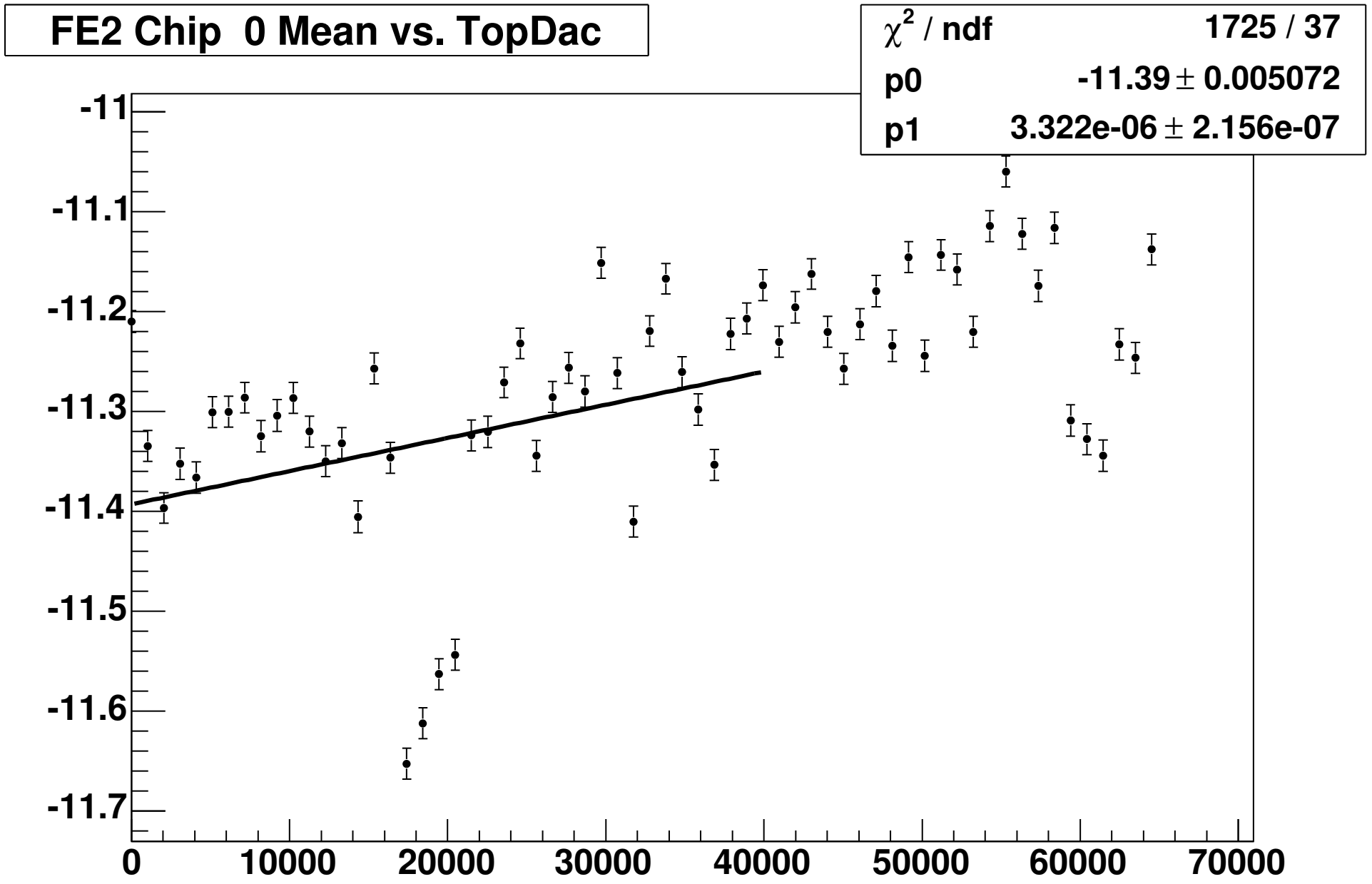
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 1725 / 37
p0 -11.39 ± 0.005072
p1 3.322e-06 ± 2.156e-07
-11
-11.1
-11.2
-11.3
-11.4
-11.5
-11.6
-11.7
0
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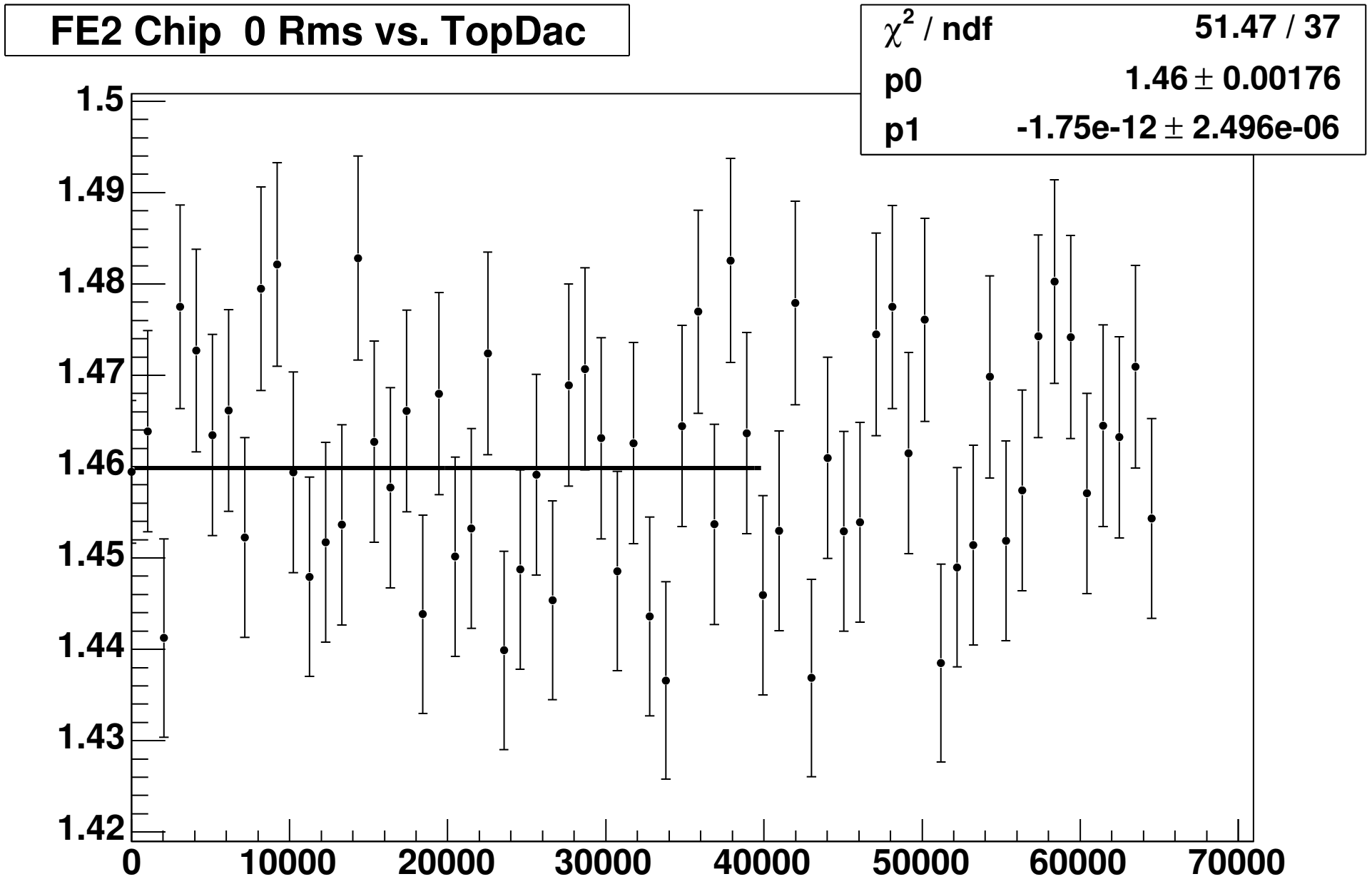
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 51.47 / 37
p0 1.46 ± 0.00176
p1 -1.75e-12 ± 2.496e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
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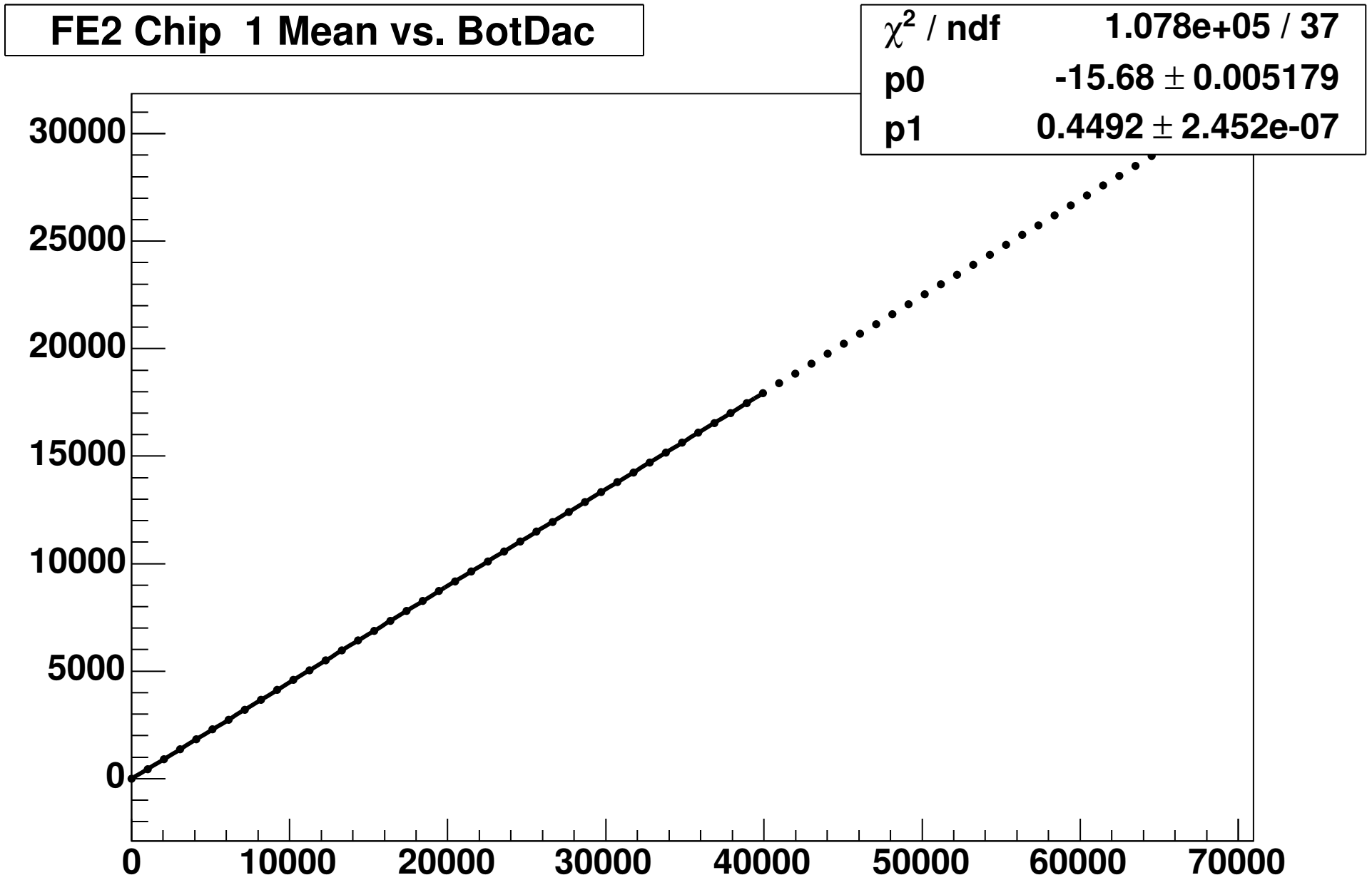
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.078e+05 / 37
p0 -15.68 ± 0.005179
p1 0.4492 ± 2.452e-07
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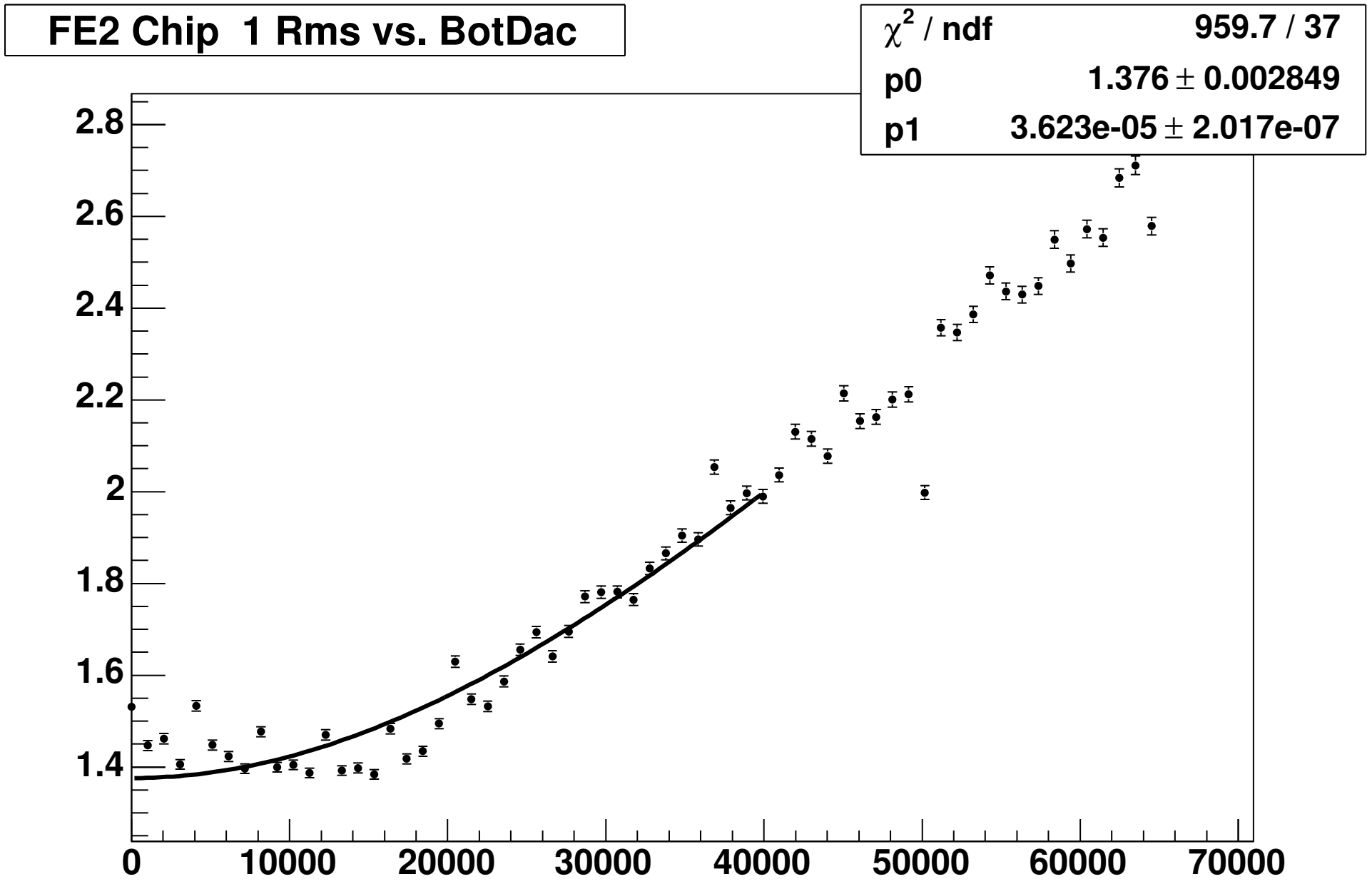
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 959.7 / 37
p0 1.376 ± 0.002849
p1 3.623e-05 ± 2.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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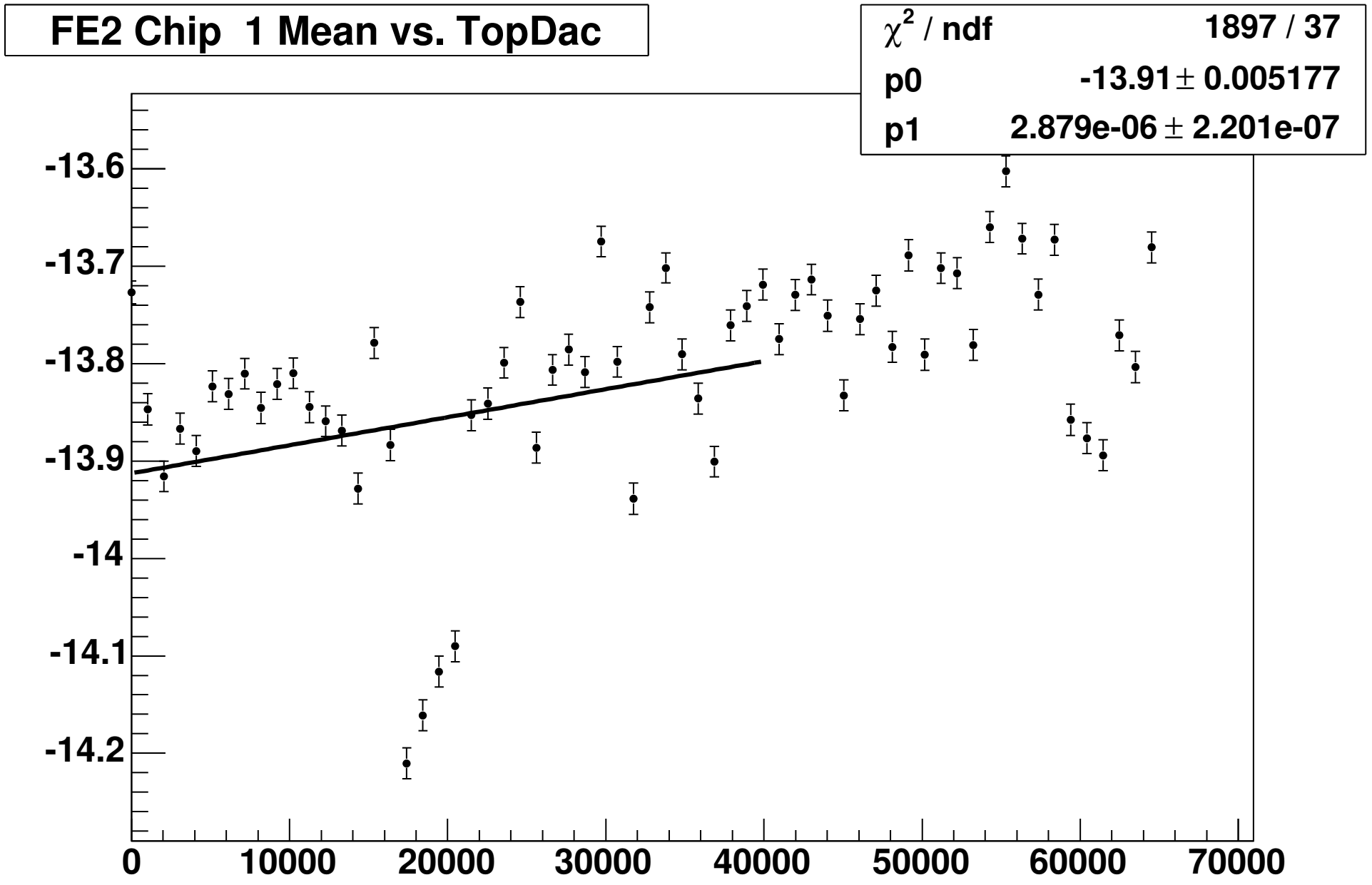
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 1897 / 37
p0 -13.91 ± 0.005177
p1 2.879e-06 ± 2.201e-07
-13.6
-13.7
-13.8
-13.9
-14
-14.1
-14.2
0
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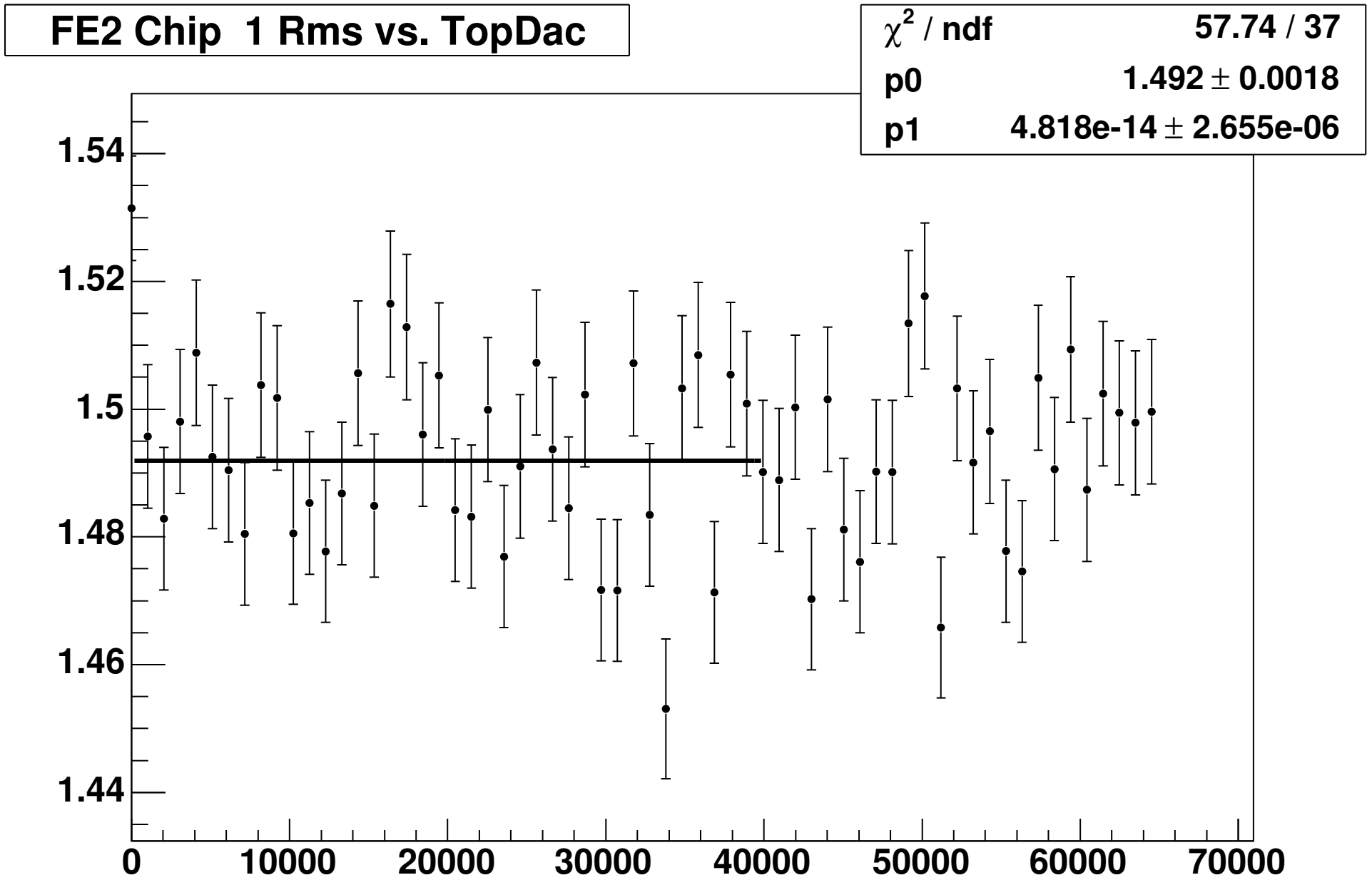
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 57.74 / 37
p0 1.492 ± 0.0018
p1 4.818e-14 ± 2.655e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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30000
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60000
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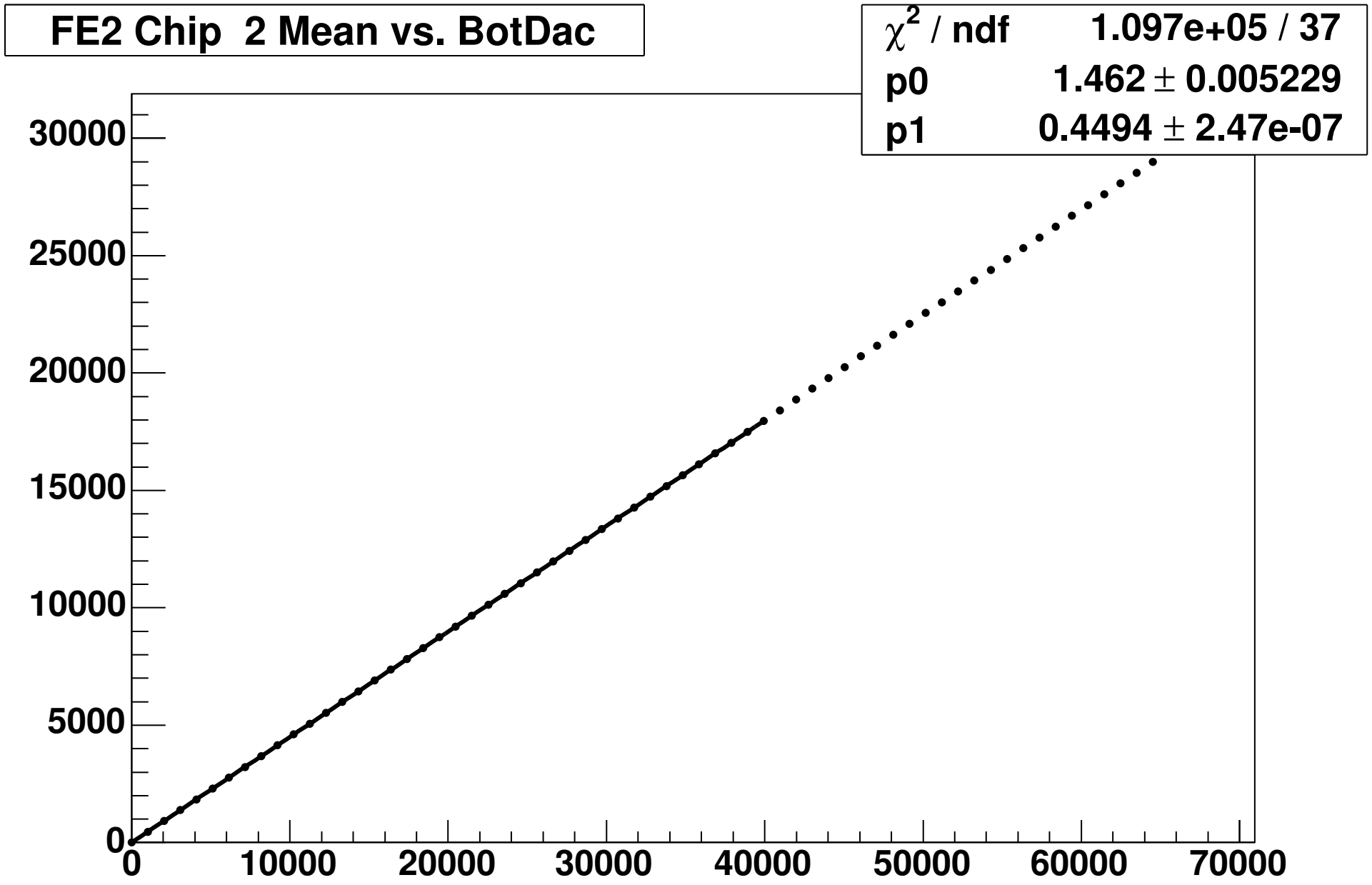
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.097e+05 / 37
p0 1.462 ± 0.005229
p1 0.4494 ± 2.47e-07
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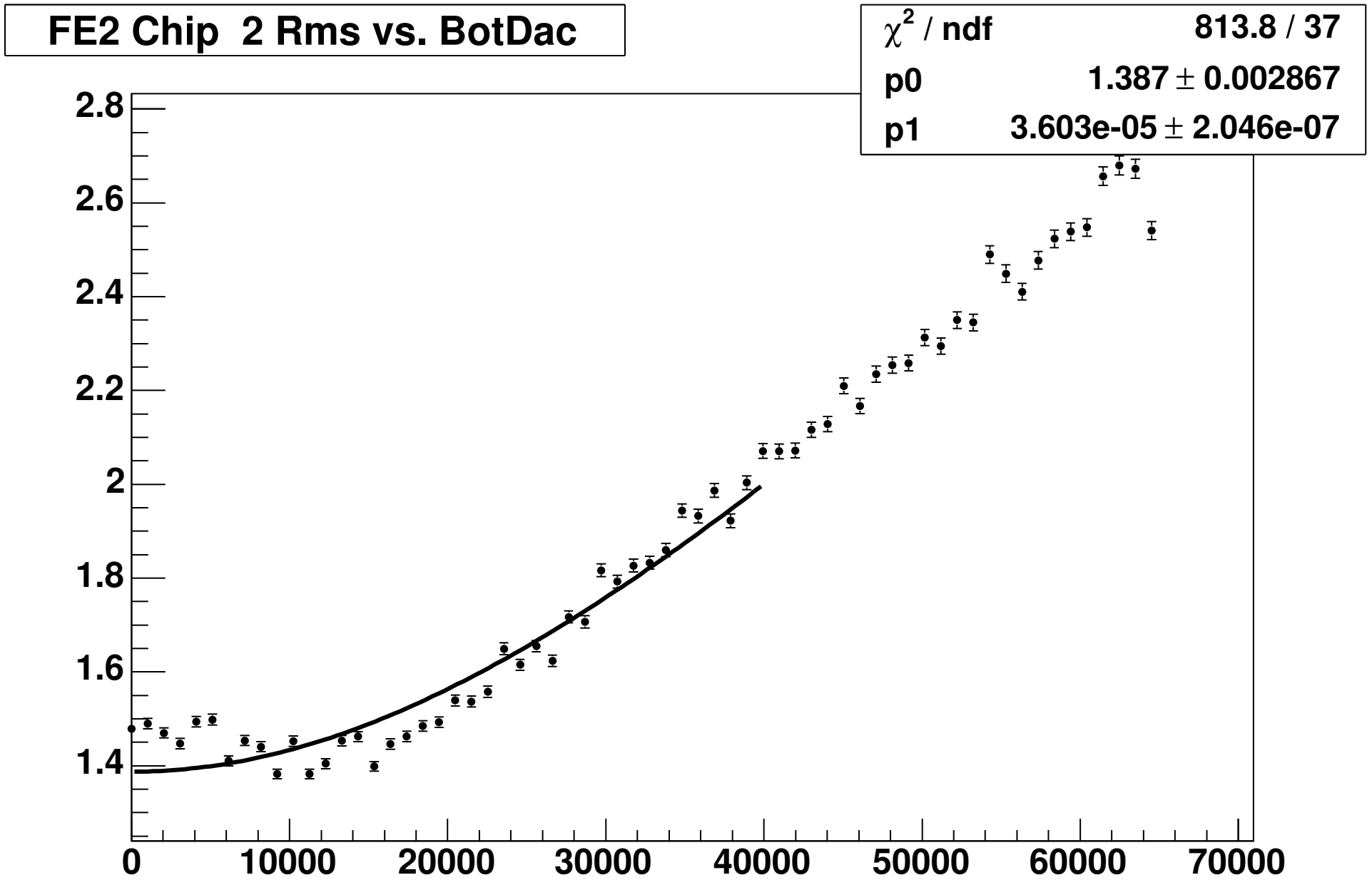
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 813.8 / 37
p0 1.387 ± 0.002867
p1 3.603e-05 ± 2.046e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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60000
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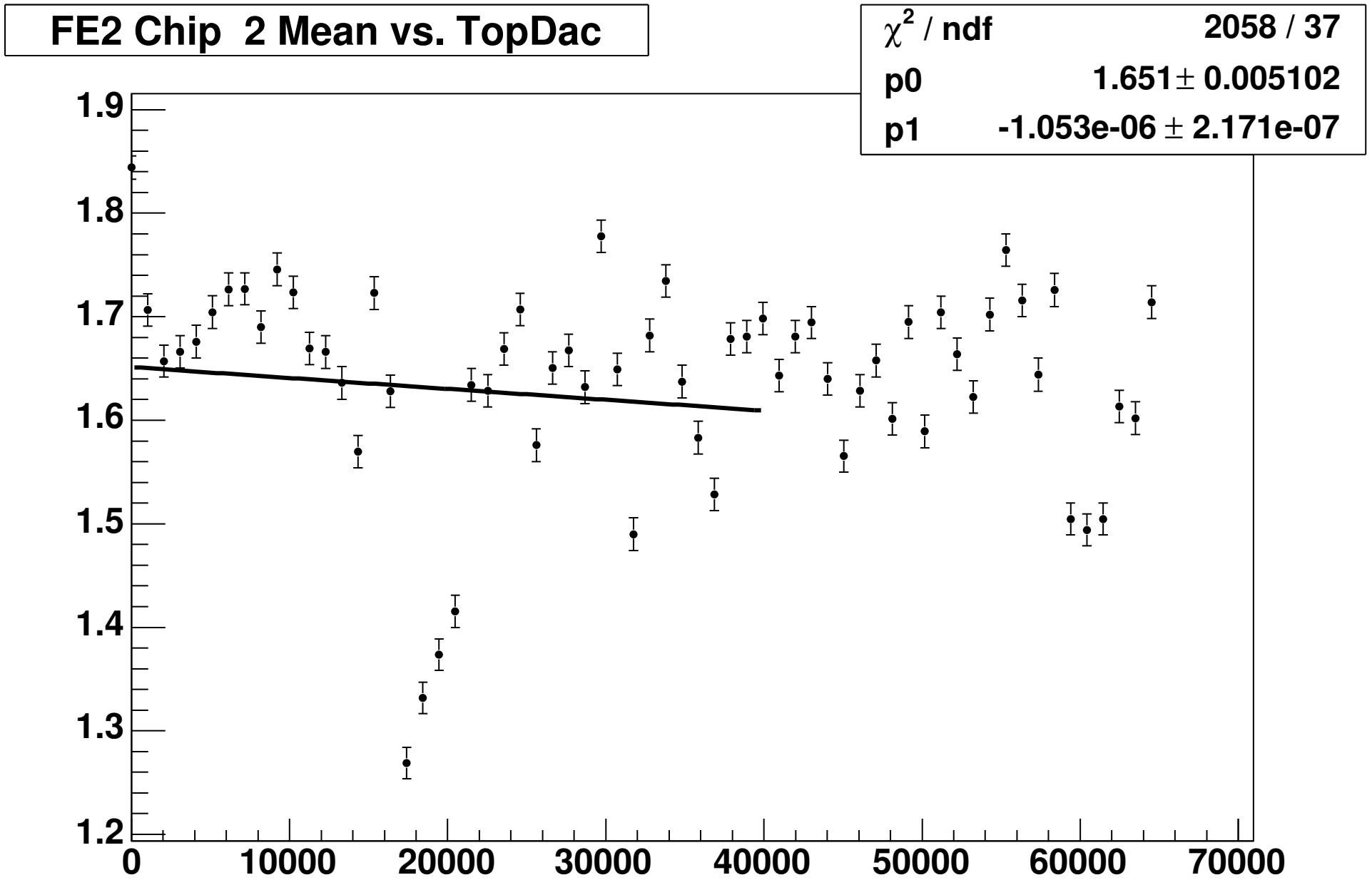
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 2058 / 37
p0 1.651 ± 0.005102
p1 -1.053e-06 ± 2.171e-07
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
0
10000
20000
30000
40000
50000
60000
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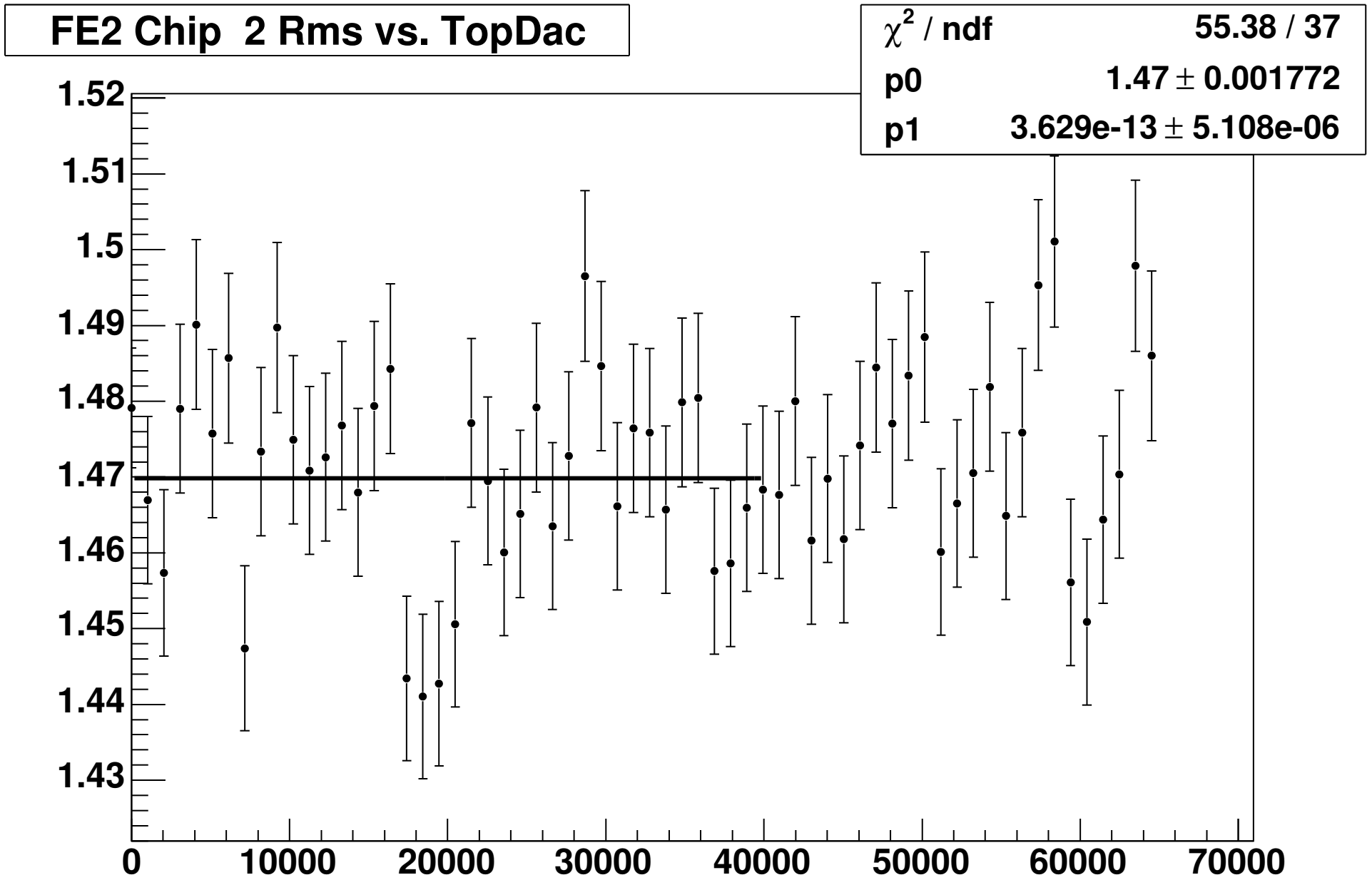
FE2 Chip 2 Rms vs. TopDac
χ² / ndf 55.38 / 37
p0 1.47 ± 0.001772
p1 3.629e-13 ± 5.108e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
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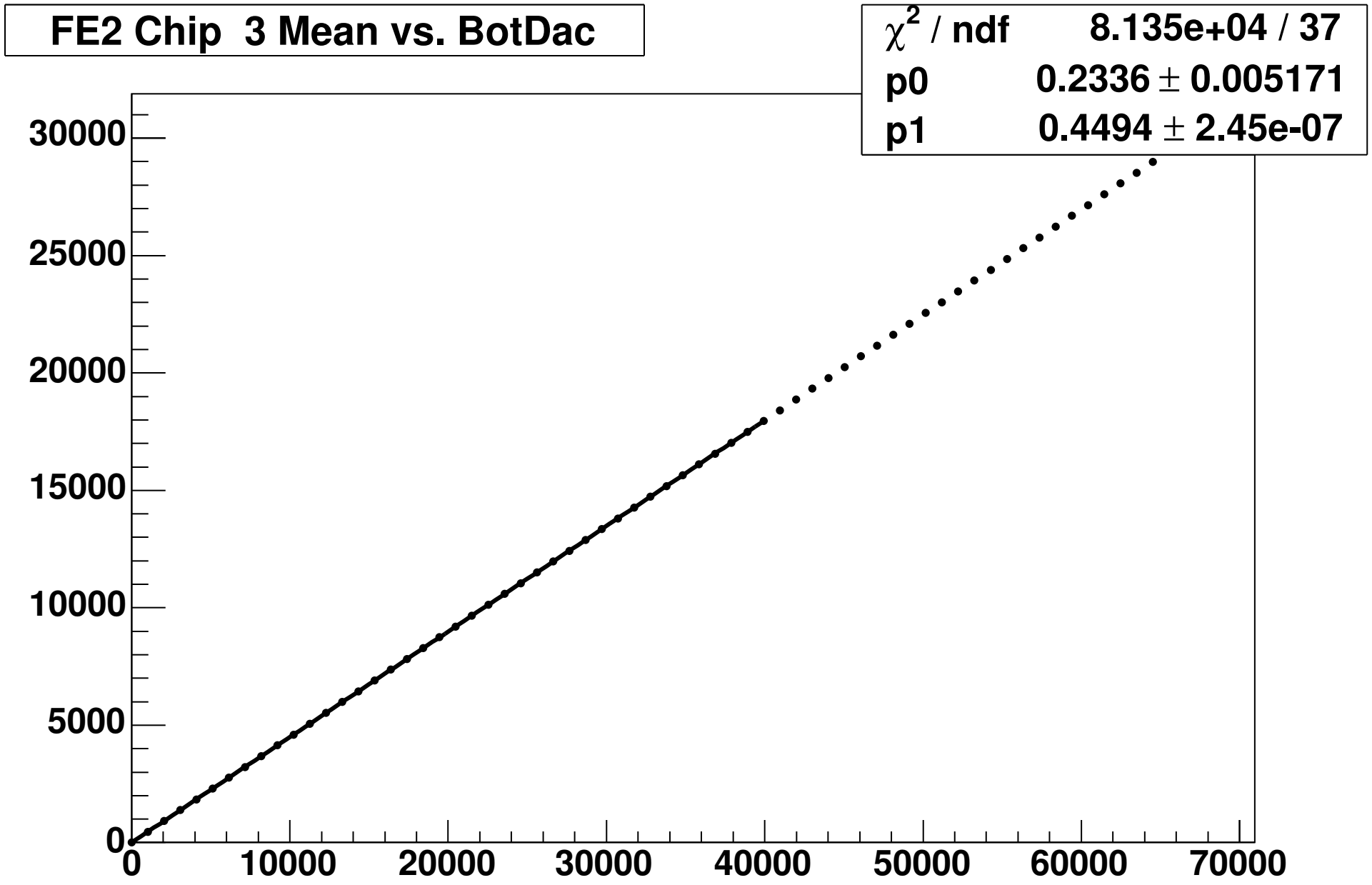
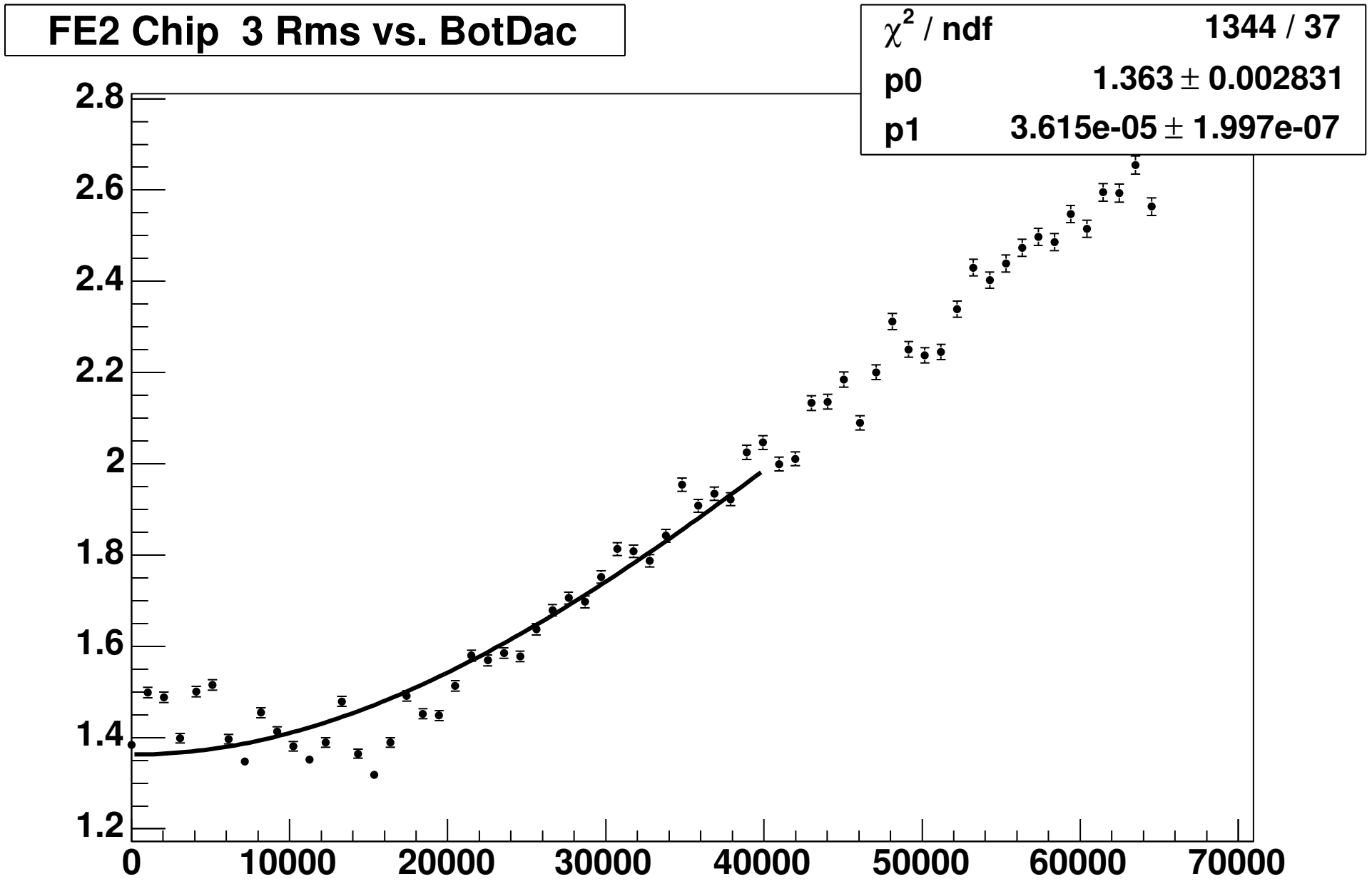
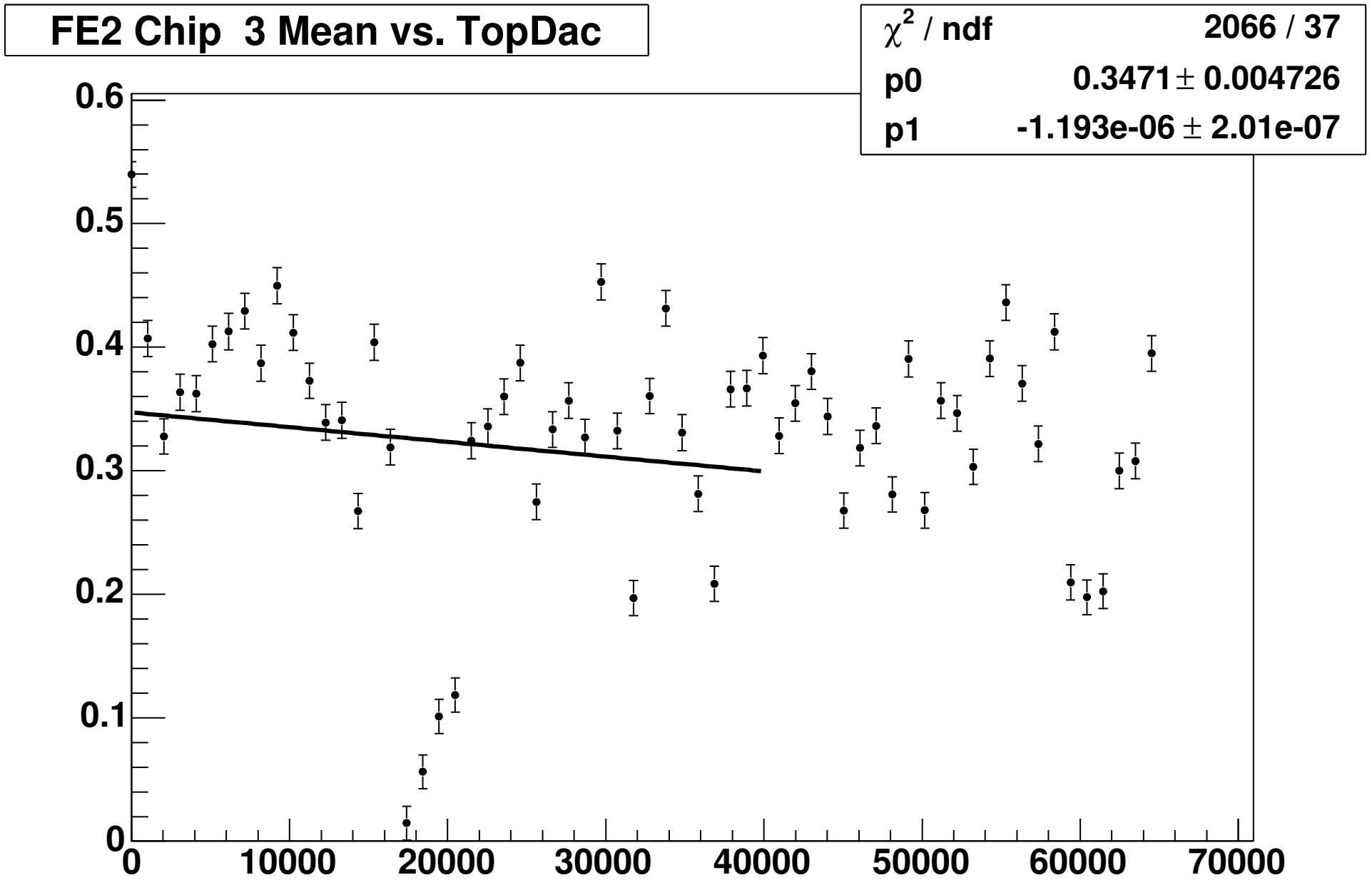

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 8.135e+04 / 37
p0 0.2336 ± 0.005171
p1 0.4494 ± 2.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 1344 / 37
p0 1.363 ± 0.002831
p1 3.615e-05 ± 1.997e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 2066 / 37
p0 0.3471 ± 0.004726
p1 -1.193e-06 ± 2.01e-07
0.6
0.5
0.4
0.3
0.2
0.1
0
0
10000
20000
30000
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50000
60000
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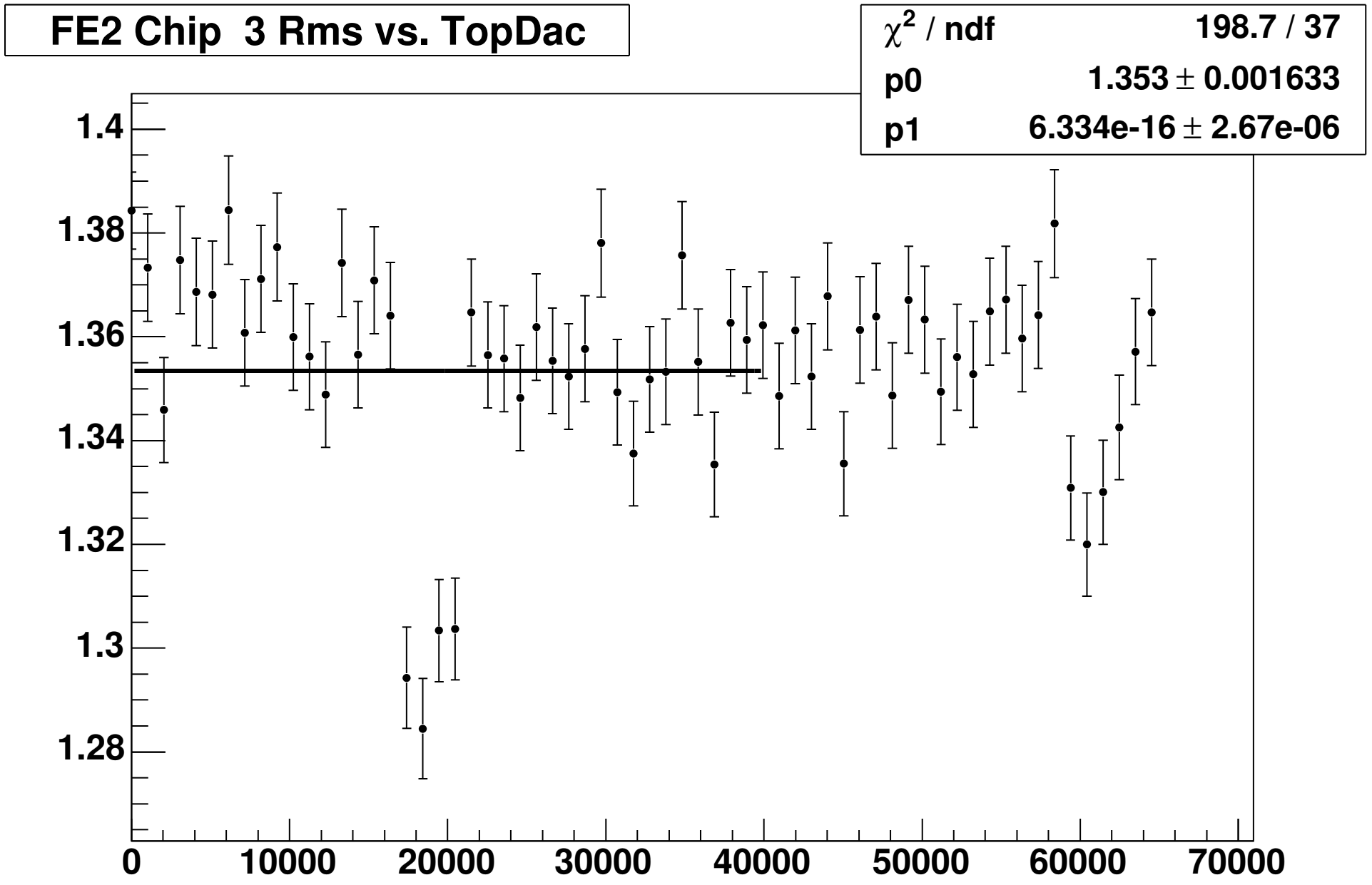
FE2 Chip 3 Rms vs. TopDac
χ² / ndf 198.7 / 37
p0 1.353 ± 0.001633
p1 6.334e-16 ± 2.67e-06
1.4
1.38
1.36
1.34
1.32
1.3
1.28
0
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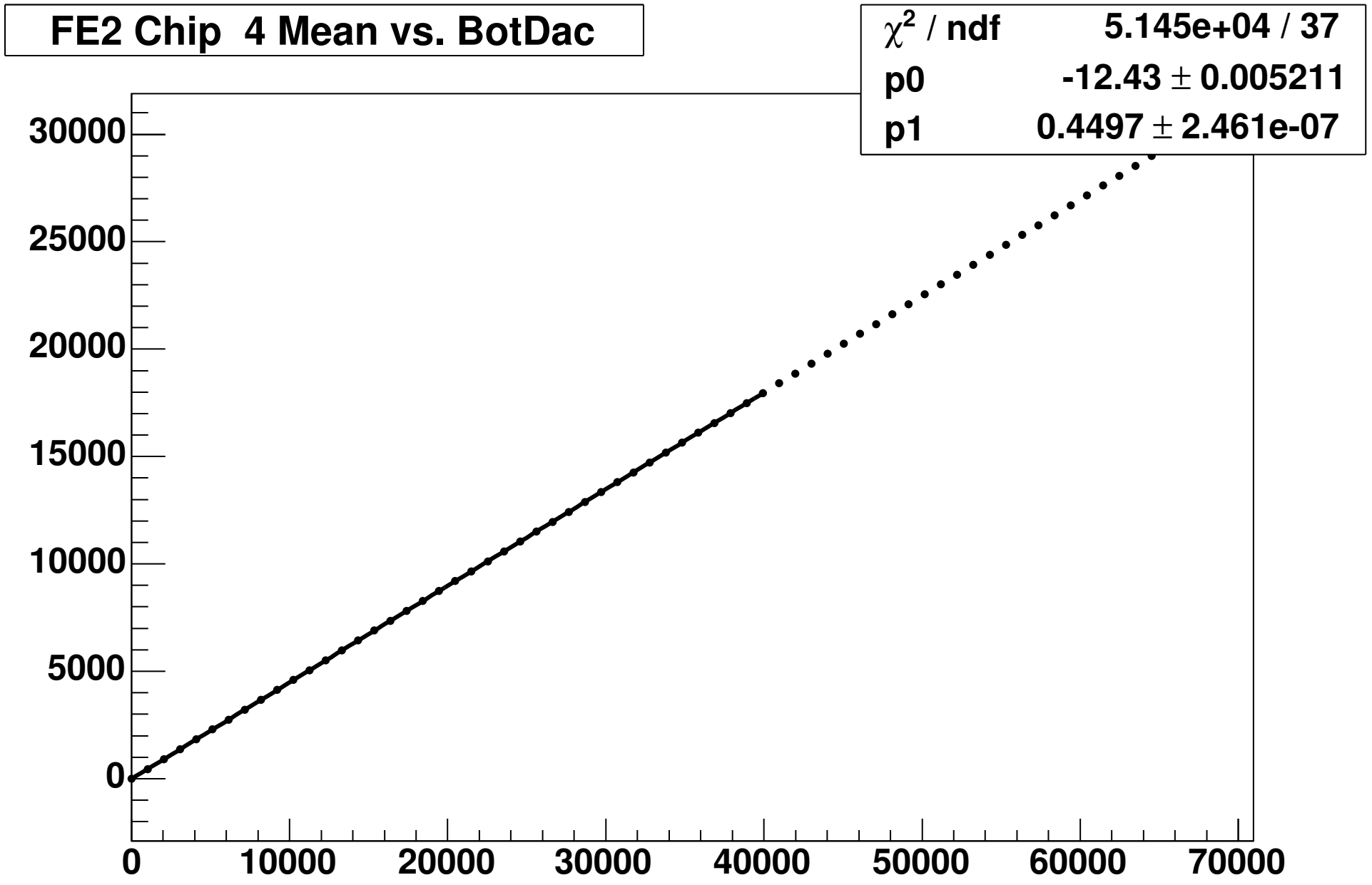
40000
50000
60000
70000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 5.145e+04 / 37
p0 -12.43 ± 0.005211
p1 0.4497 ± 2.461e-07
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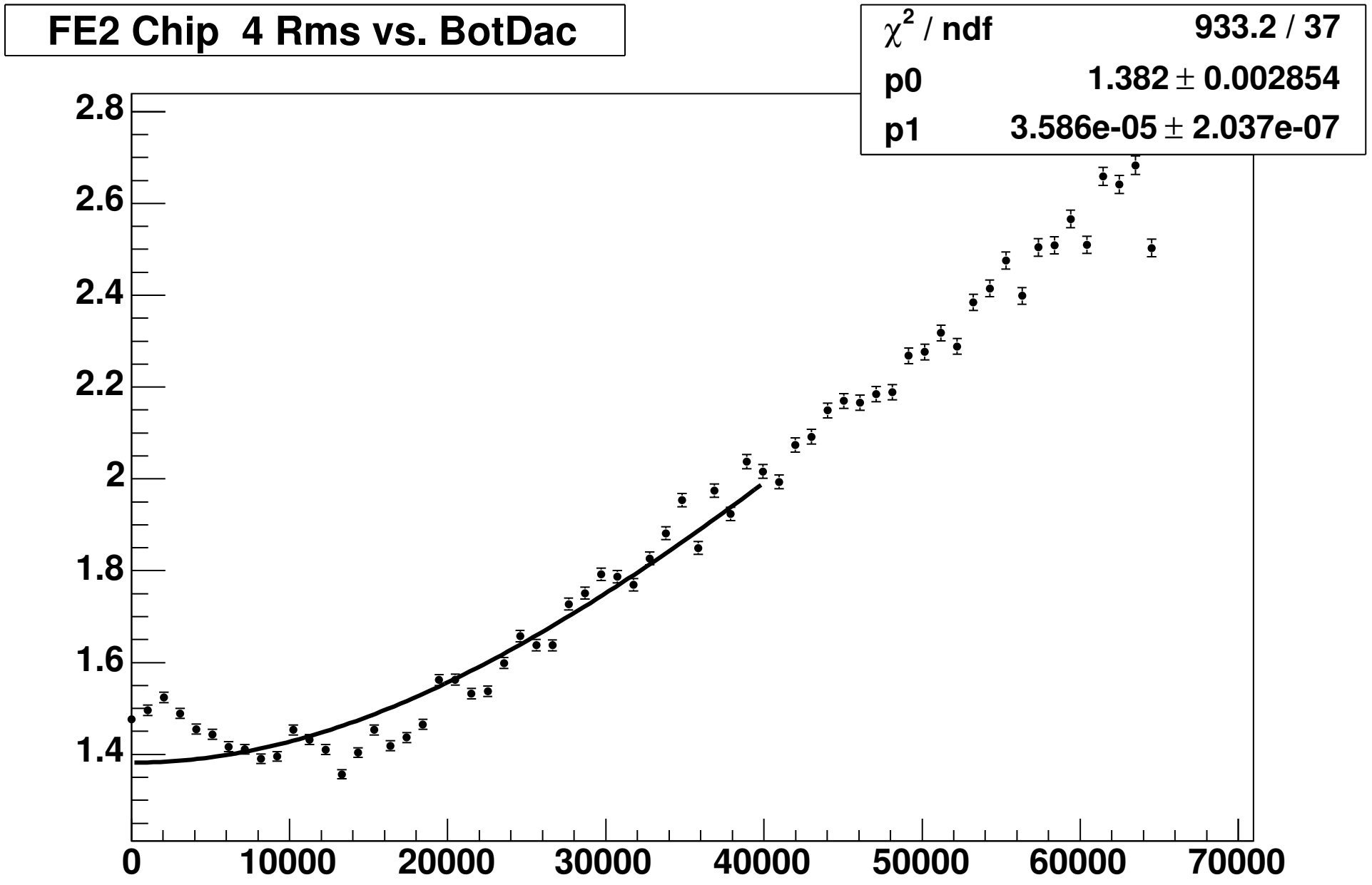
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 933.2 / 37
p0 1.382 ± 0.002854
p1 3.586e-05 ± 2.037e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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50000
60000
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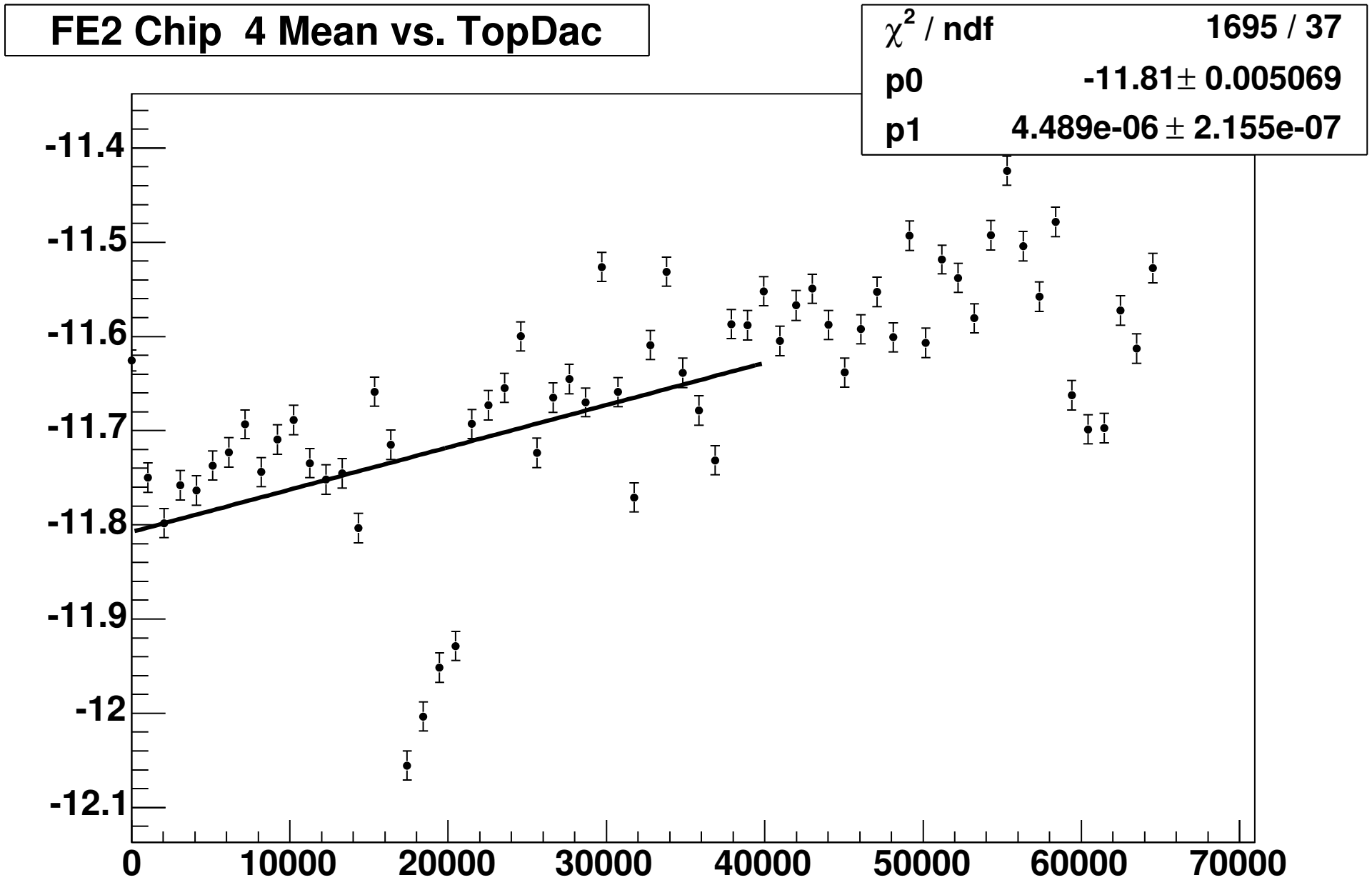
FE2 Chip 4 Mean vs. TopDac
χ² / ndf 1695 / 37
p0 -11.81 ± 0.005069
p1 4.489e-06 ± 2.155e-07
-11.4
-11.5
-11.6
-11.7
-11.8
-11.9
-12
-12.1
0
10000
20000
30000
40000
50000
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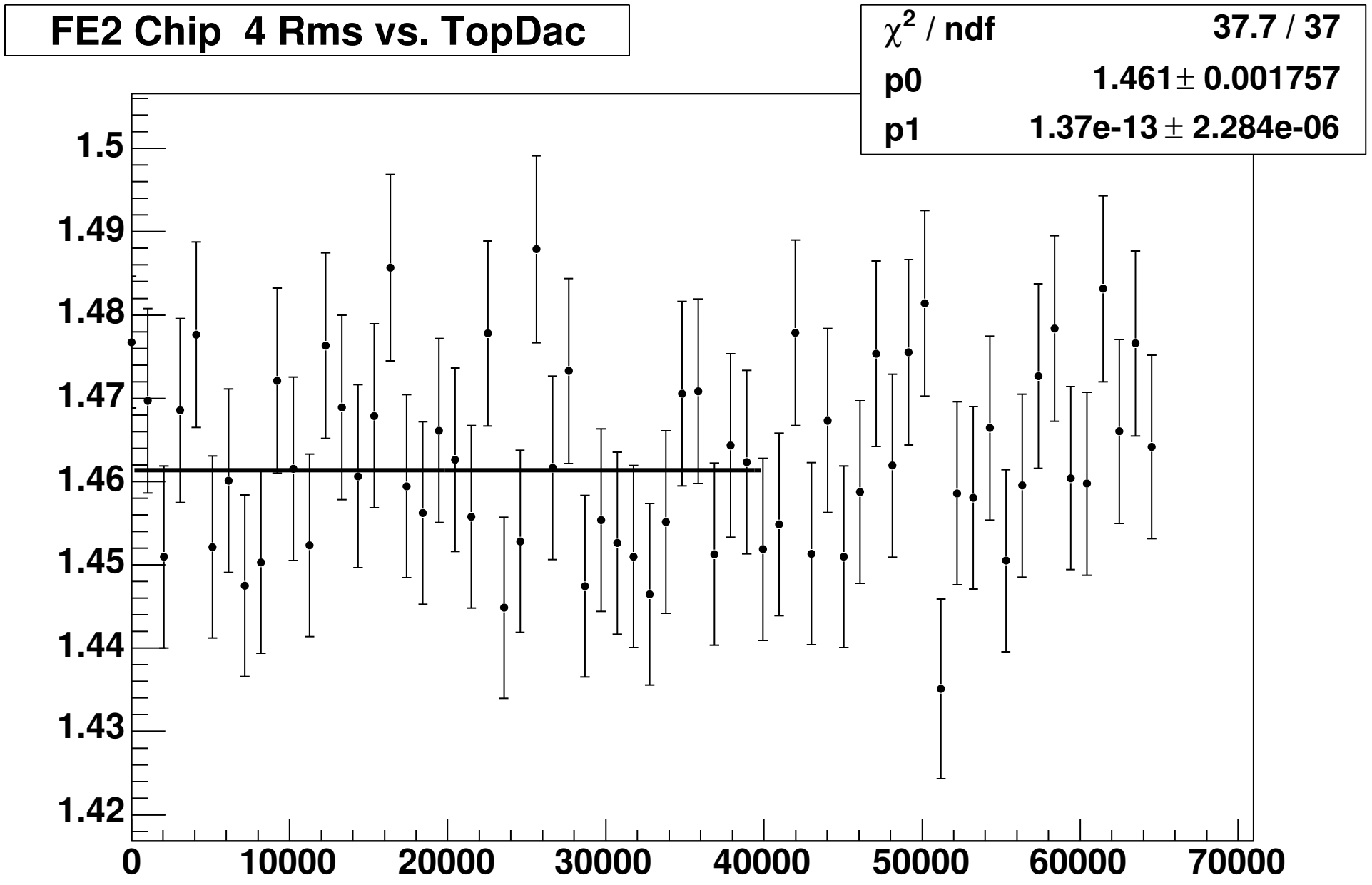
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 37.7 / 37
p0 1.461 ± 0.001757
p1 1.37e-13 ± 2.284e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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10000
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30000
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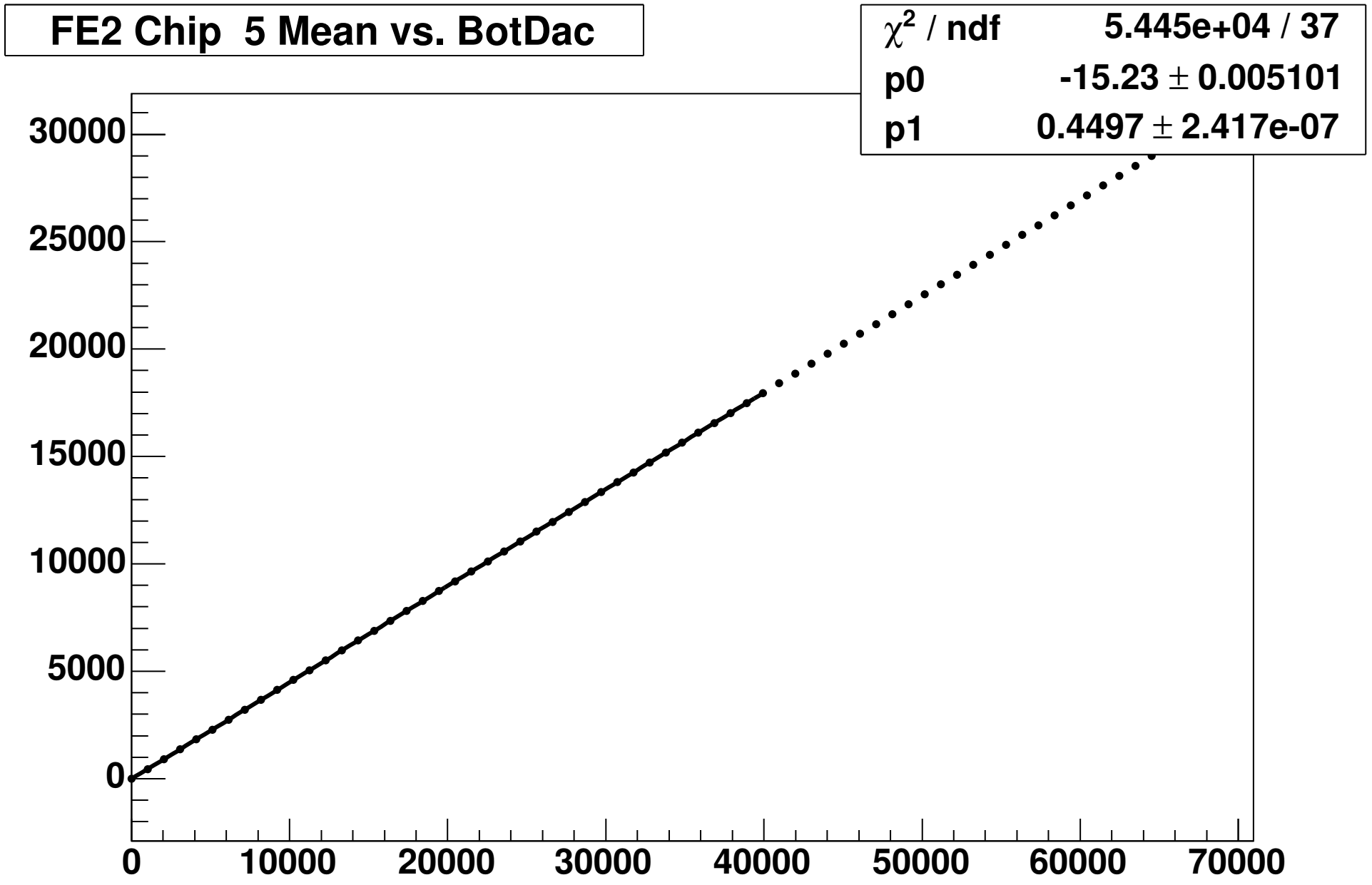
FE2 Chip 5 Mean vs. BotDac
χ² / ndf 5.445e+04 / 37
p0 -15.23 ± 0.005101
p1 0.4497 ± 2.417e-07
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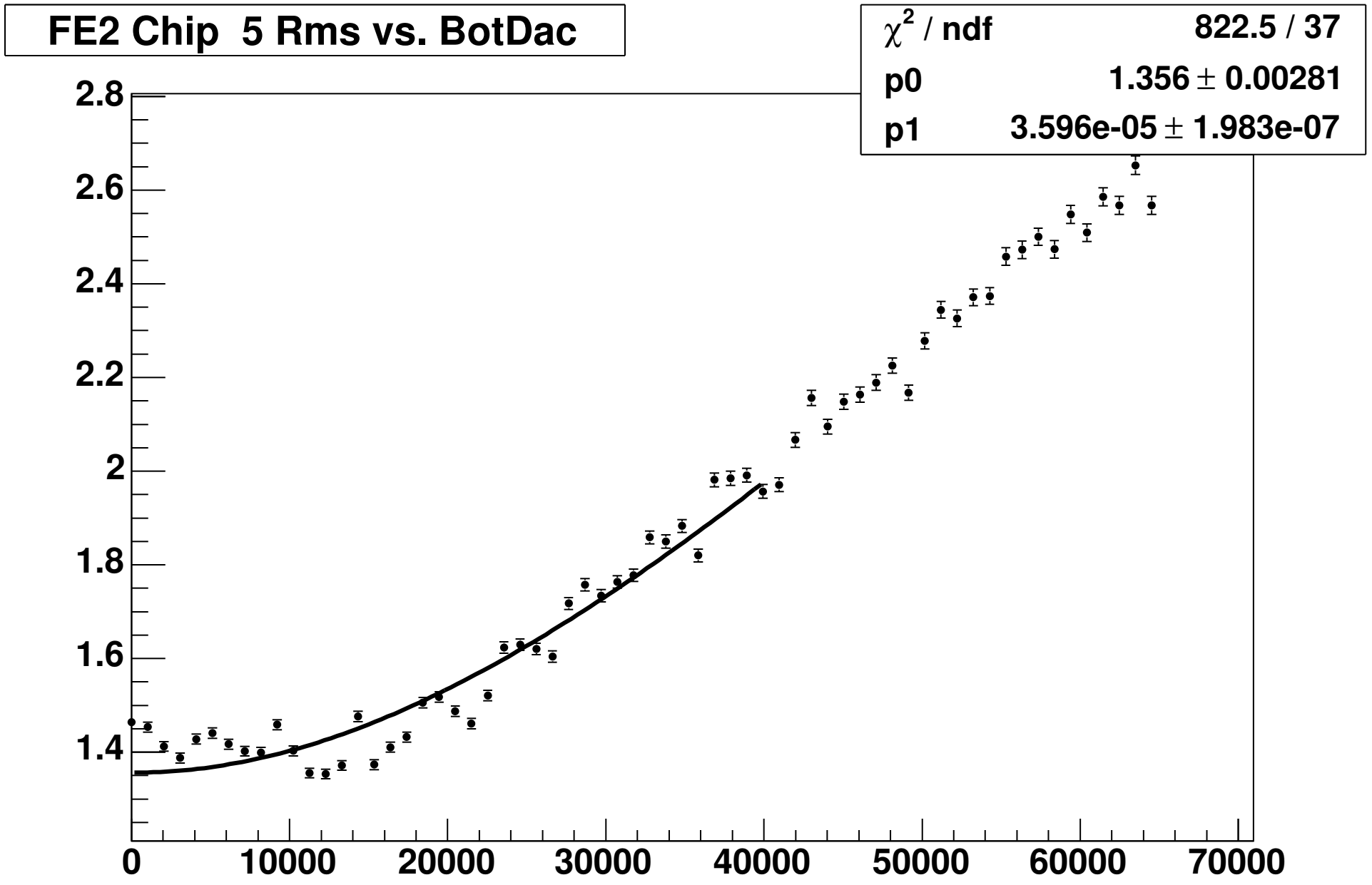
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 822.5 / 37
p0 1.356 ± 0.00281
p1 3.596e-05 ± 1.983e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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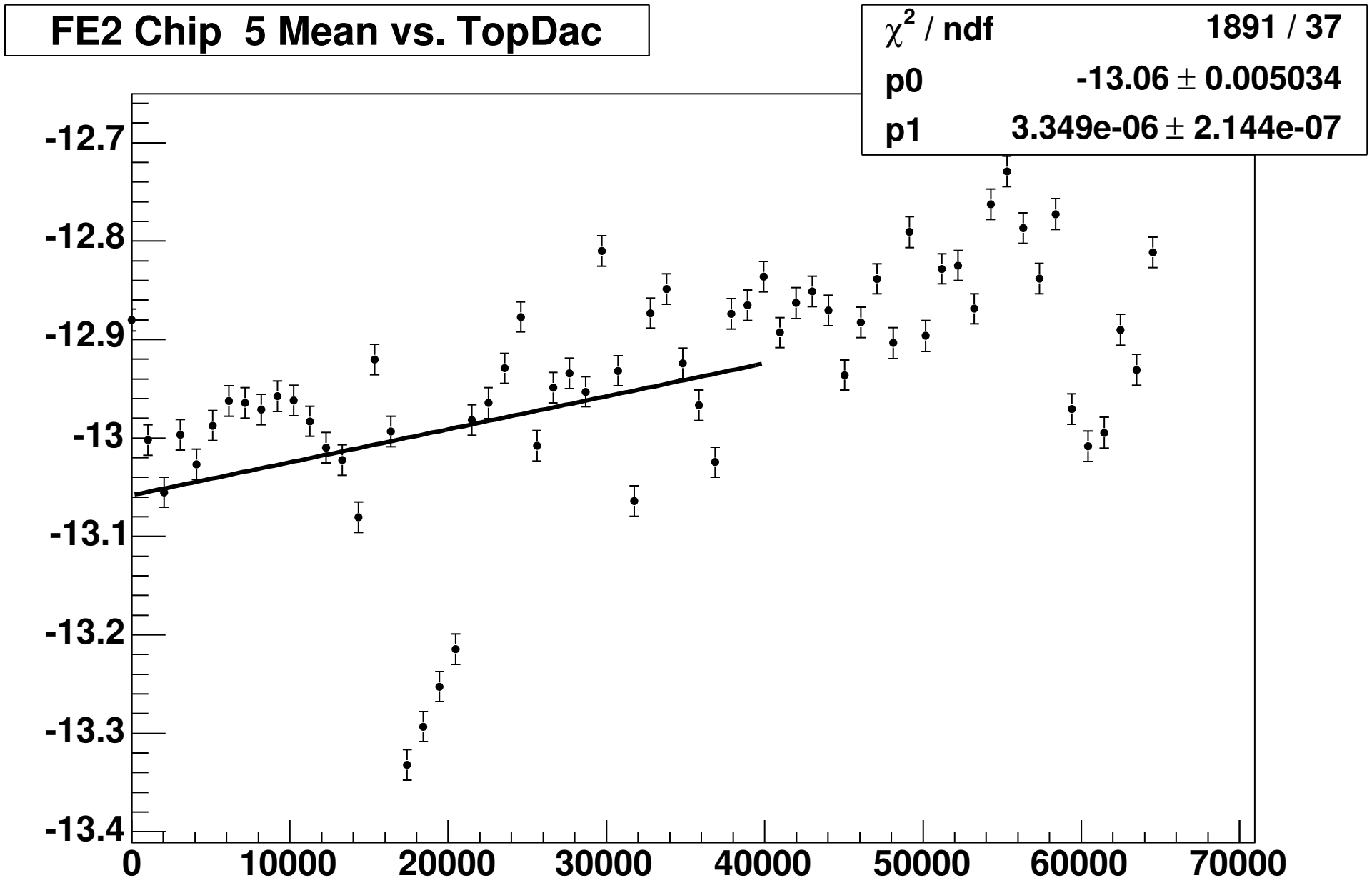
FE2 Chip 5 Mean vs. TopDac
χ² / ndf 1891 / 37
p0 -13.06 ± 0.005034
p1 3.349e-06 ± 2.144e-07
-12.7
-12.8
-12.9
-13
-13.1
-13.2
-13.3
-13.4
0
10000
20000
30000
40000
50000
60000
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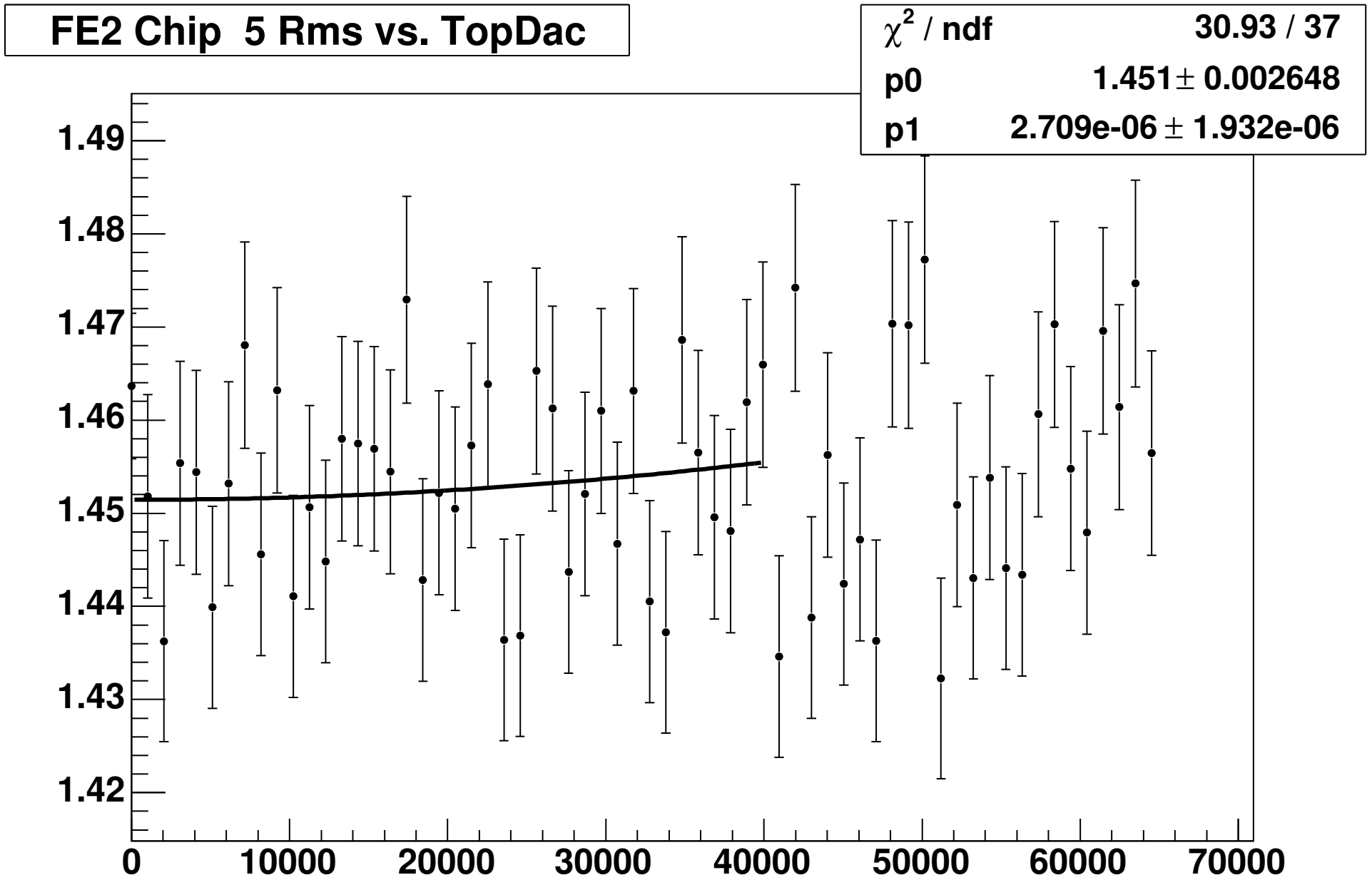
FE2 Chip 5 Rms vs. TopDac
χ² / ndf 30.93 / 37
p0 1.451 ± 0.002648
p1 2.709e-06 ± 1.932e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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50000
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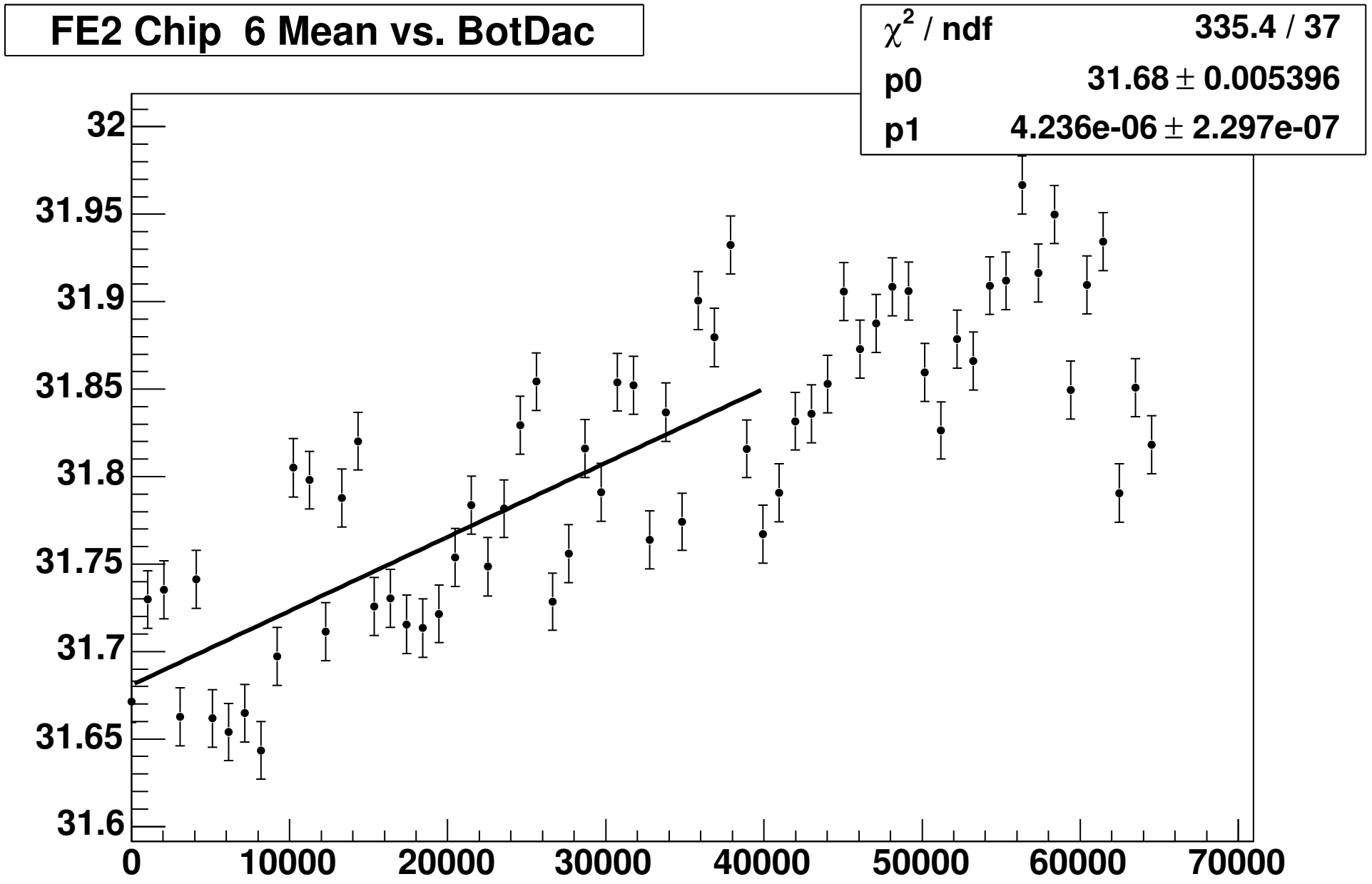
FE2 Chip 6 Mean vs. BotDac
χ² / ndf 335.4 / 37
p0 31.68 ± 0.005396
p1 4.236e-06 ± 2.297e-07
32
31.95
31.9
31.85
31.8
31.75
31.7
31.65
31.6
0
10000
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50000
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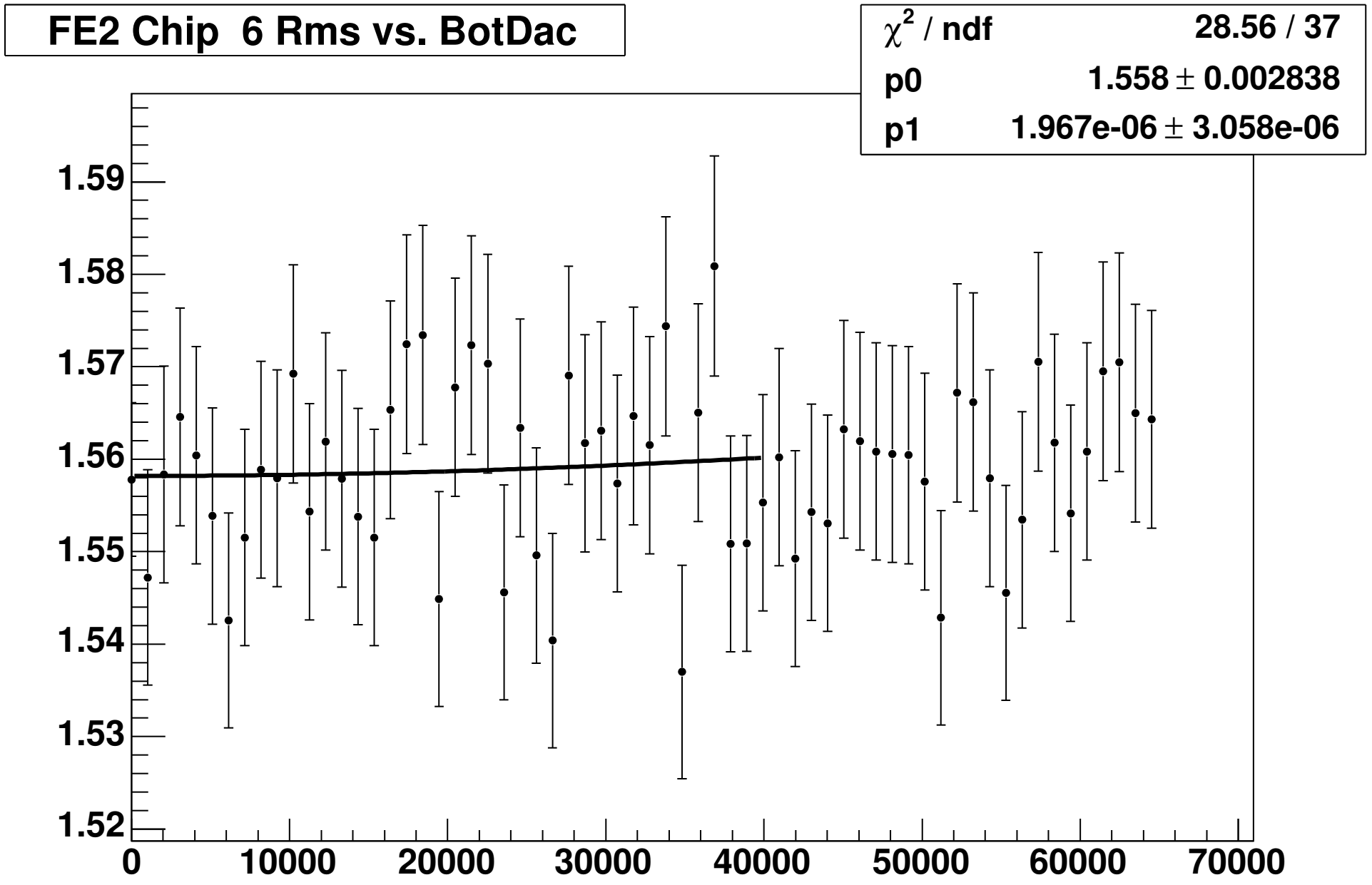
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 28.56 / 37
p0 1.558 ± 0.002838
p1 1.967e-06 ± 3.058e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
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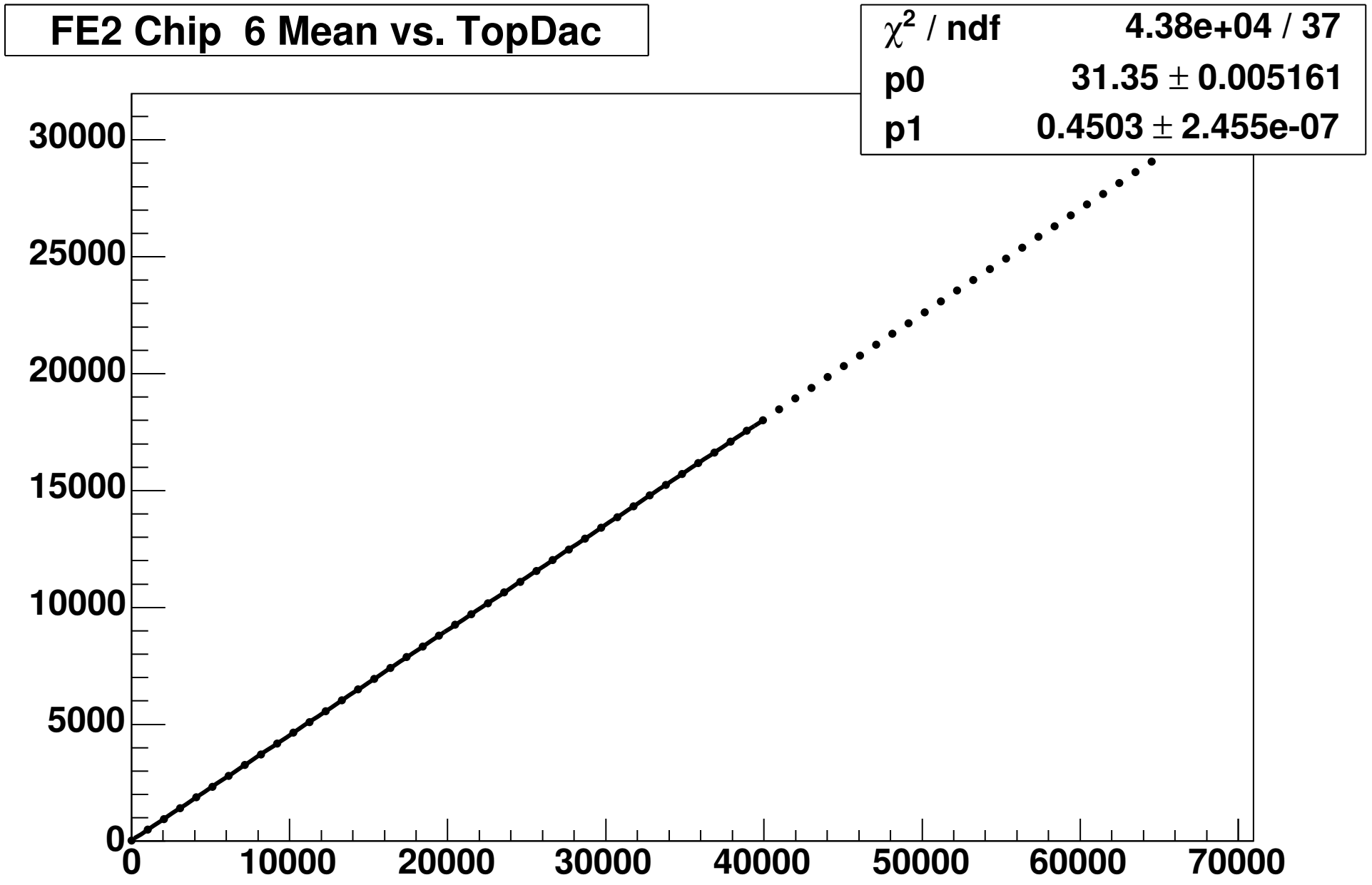
FE2 Chip 6 Mean vs. TopDac
χ² / ndf 4.38e+04 / 37
p0 31.35 ± 0.005161
p1 0.4503 ± 2.455e-07
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25000
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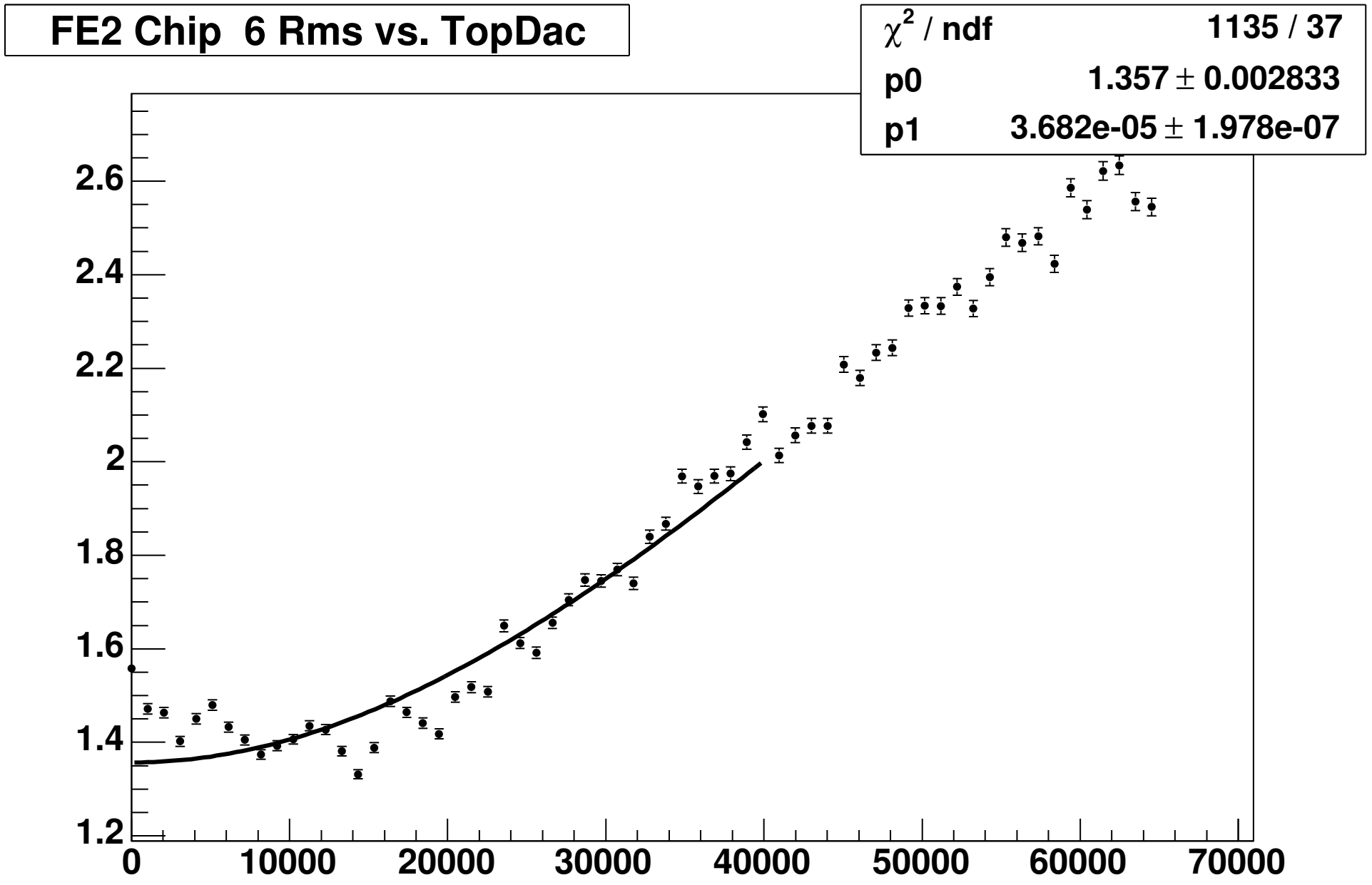
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 1135 / 37
p0 1.357 ± 0.002833
p1 3.682e-05 ± 1.978e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
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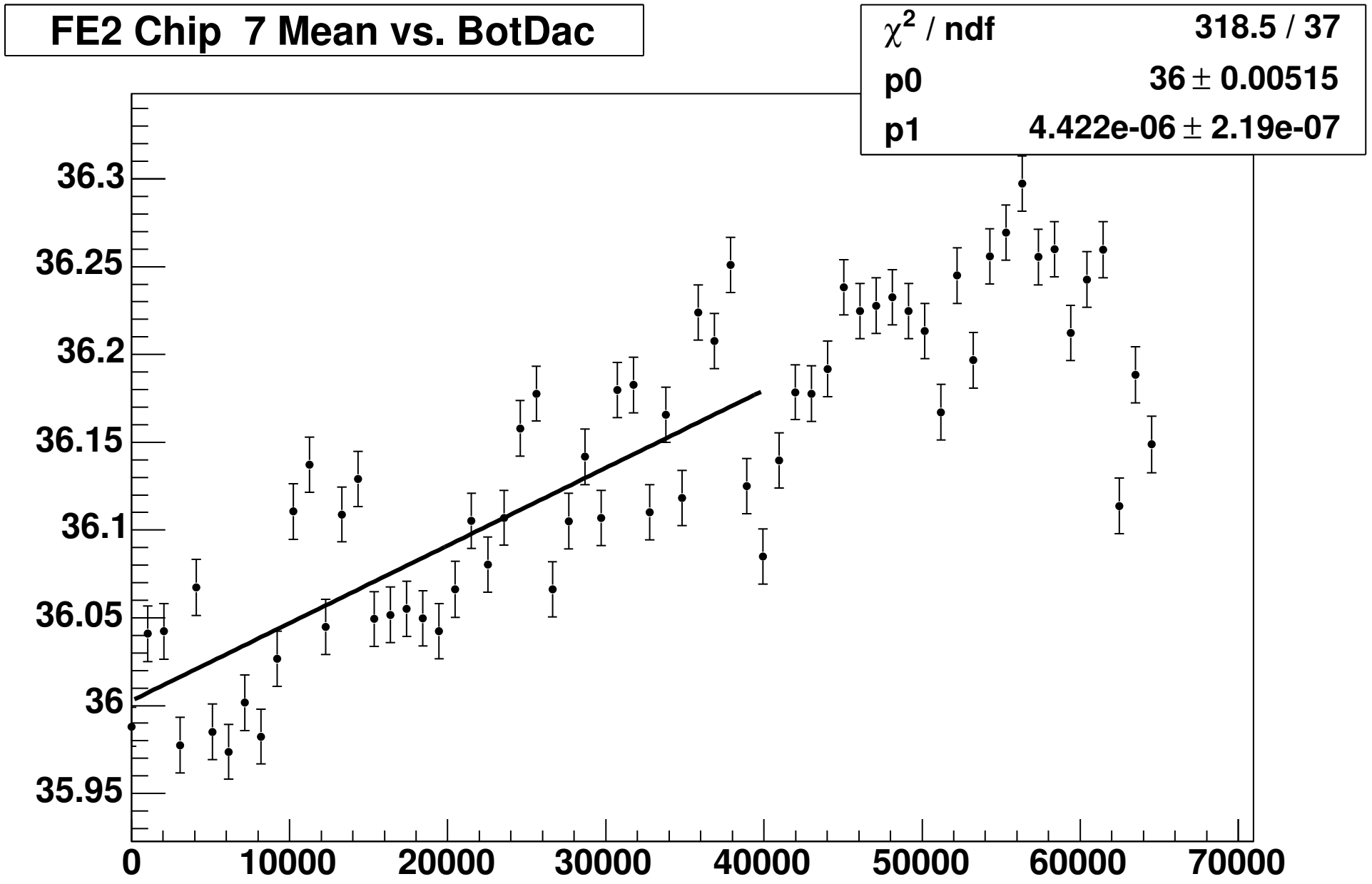
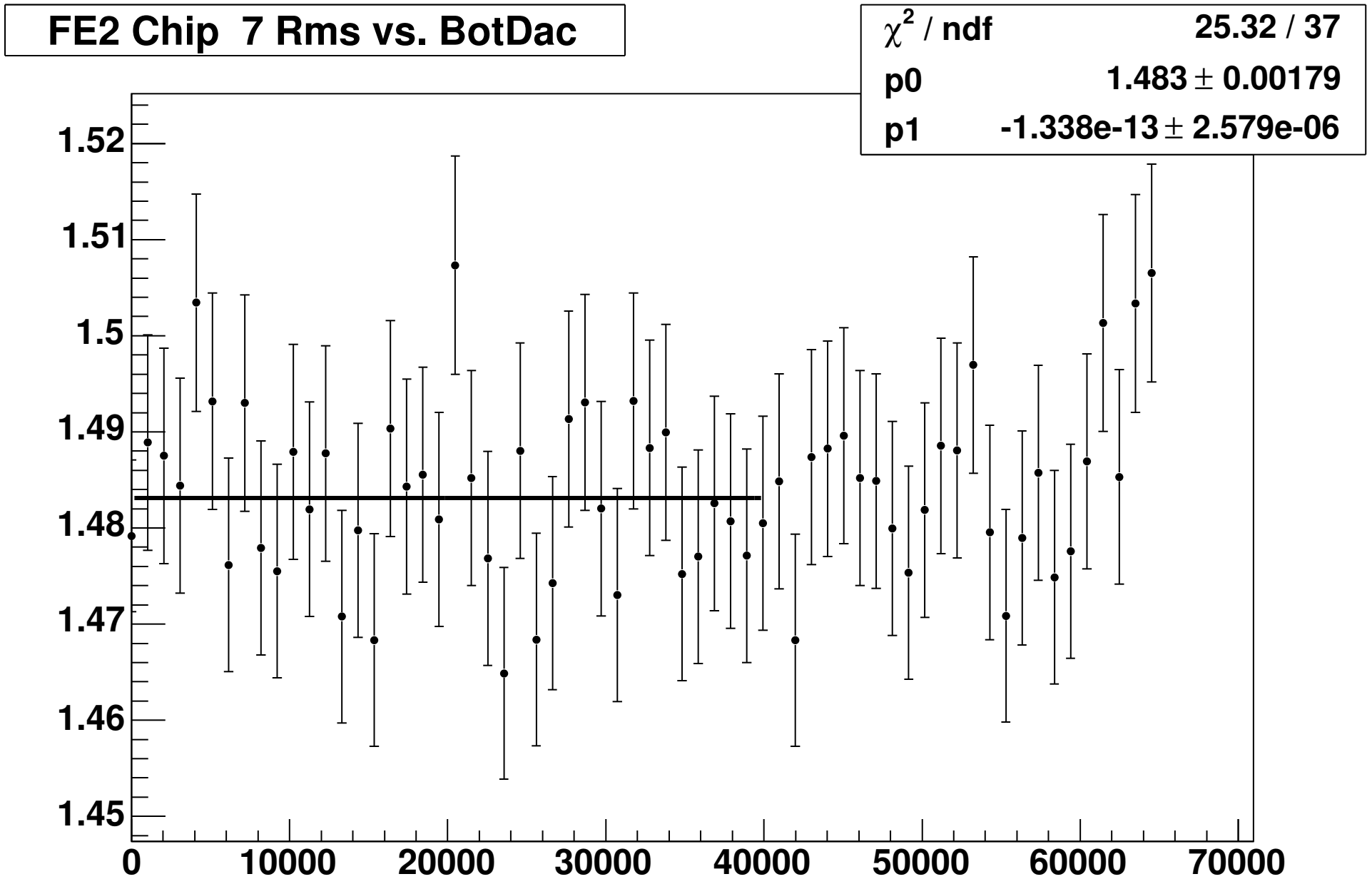

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 318.5 / 37
p0 36 ± 0.00515
p1 4.422e-06 ± 2.19e-07
36.3
36.25
36.2
36.15
36.1
36.05
36
35.95
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 25.32 / 37
p0 1.483 ± 0.00179
p1 -1.338e-13 ± 2.579e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
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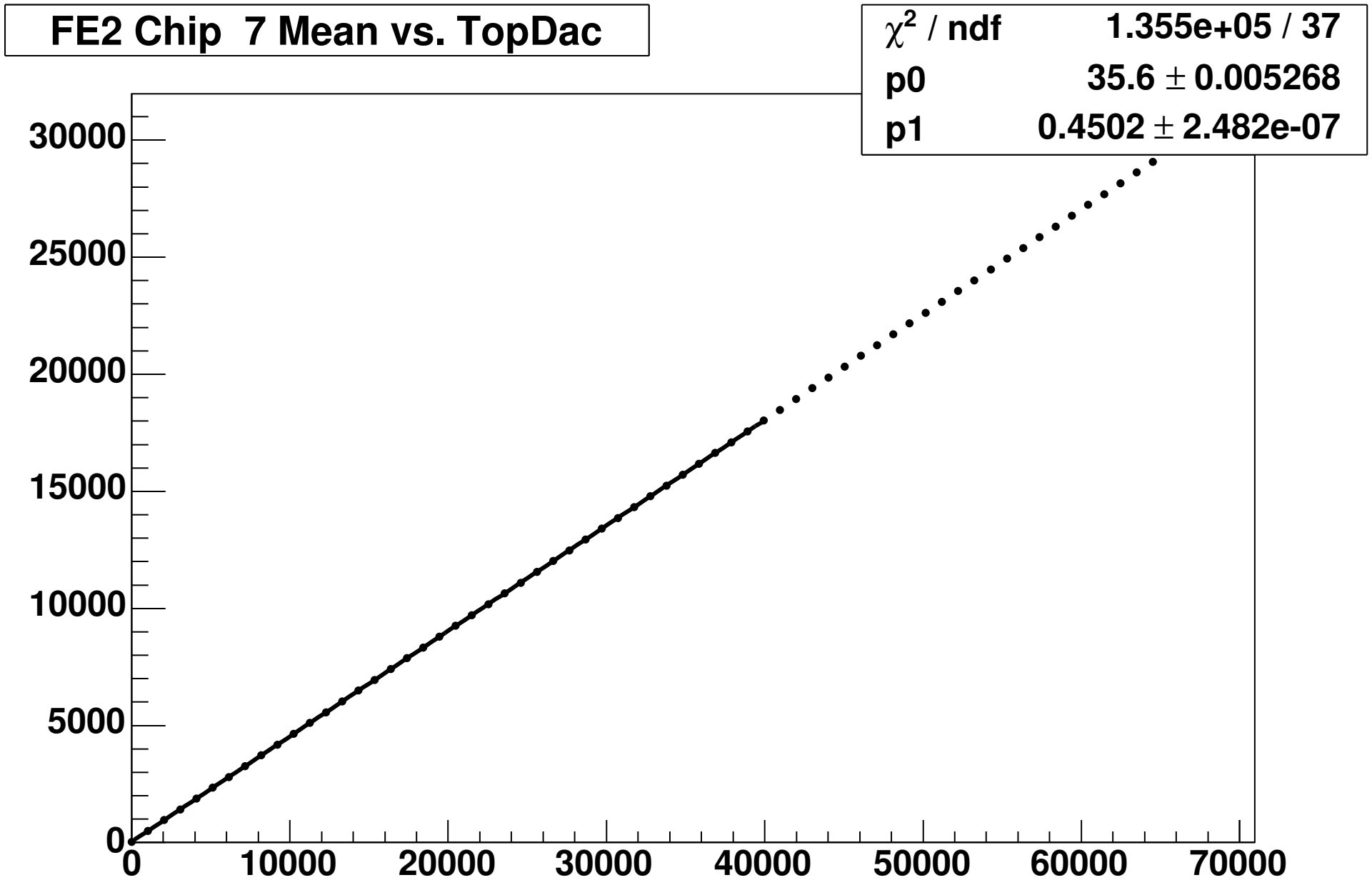
FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.355e+05 / 37
p0 35.6 ± 0.005268
p1 0.4502 ± 2.482e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
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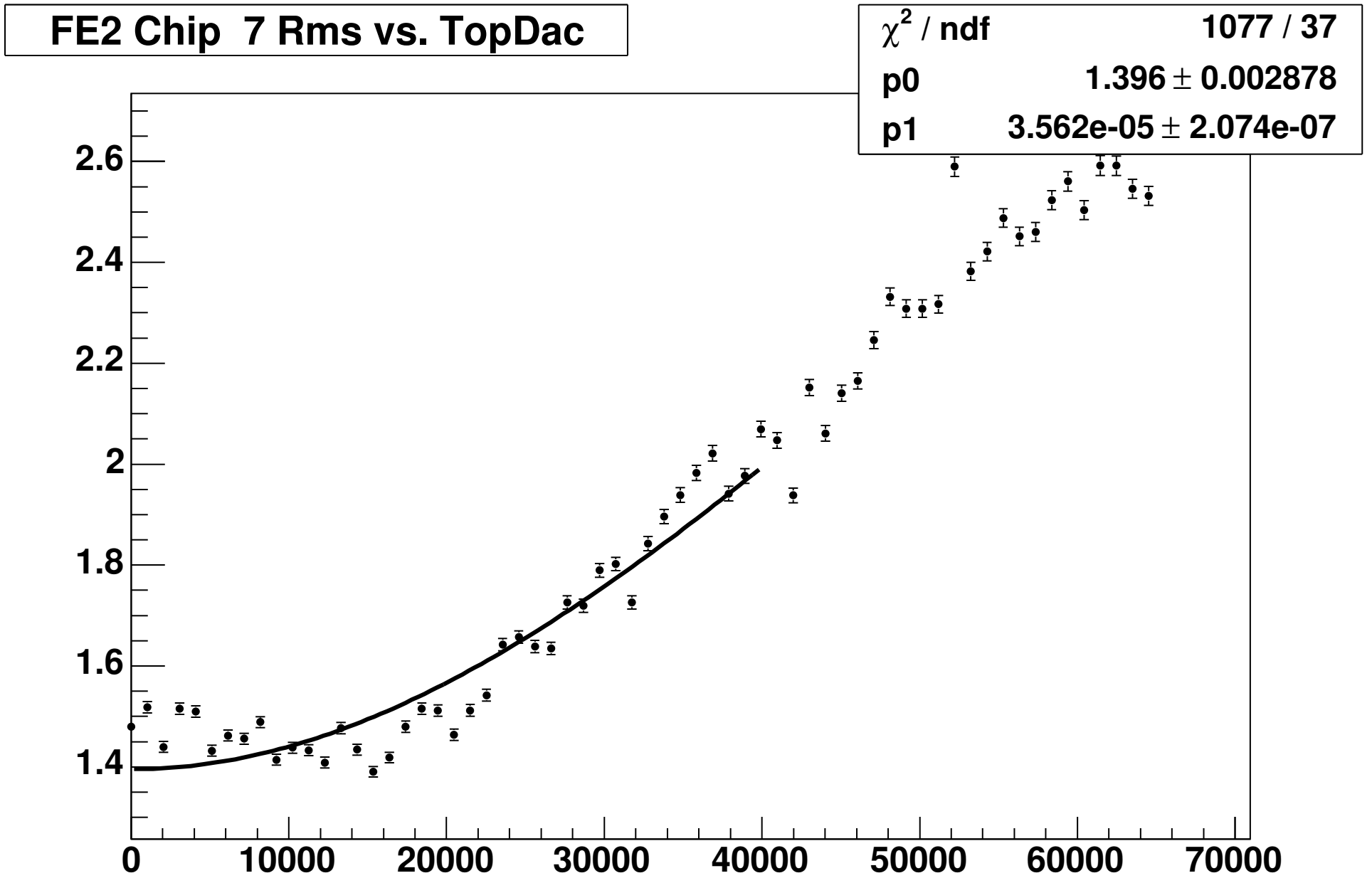
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1077 / 37
p0 1.396 ± 0.002878
p1 3.562e-05 ± 2.074e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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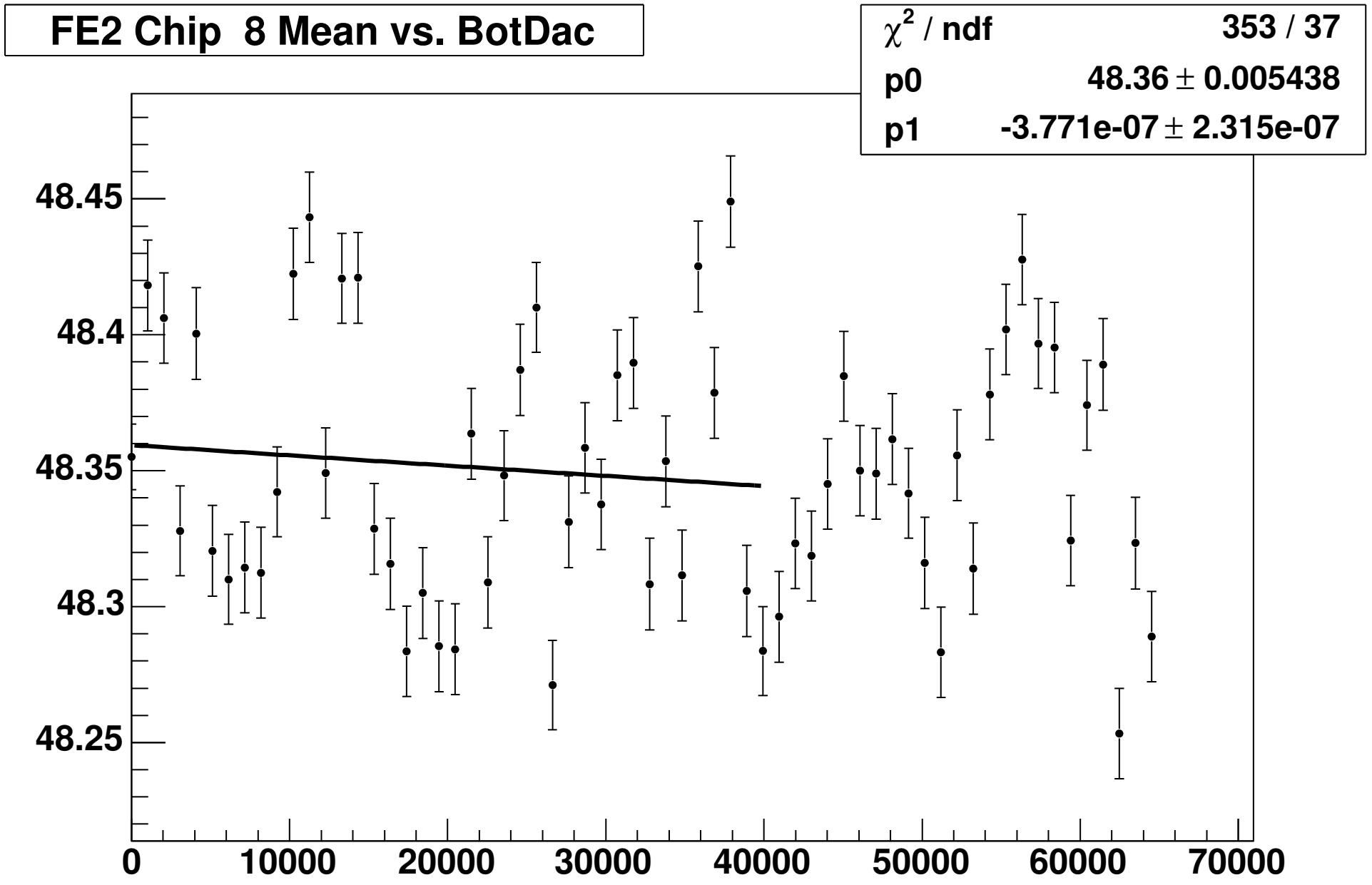
FE2 Chip 8 Mean vs. BotDac
χ² / ndf 353 / 37
p0 48.36 ± 0.005438
p1 -3.771e-07 ± 2.315e-07
48.45
48.4
48.35
48.3
48.25
0
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20000
30000
40000
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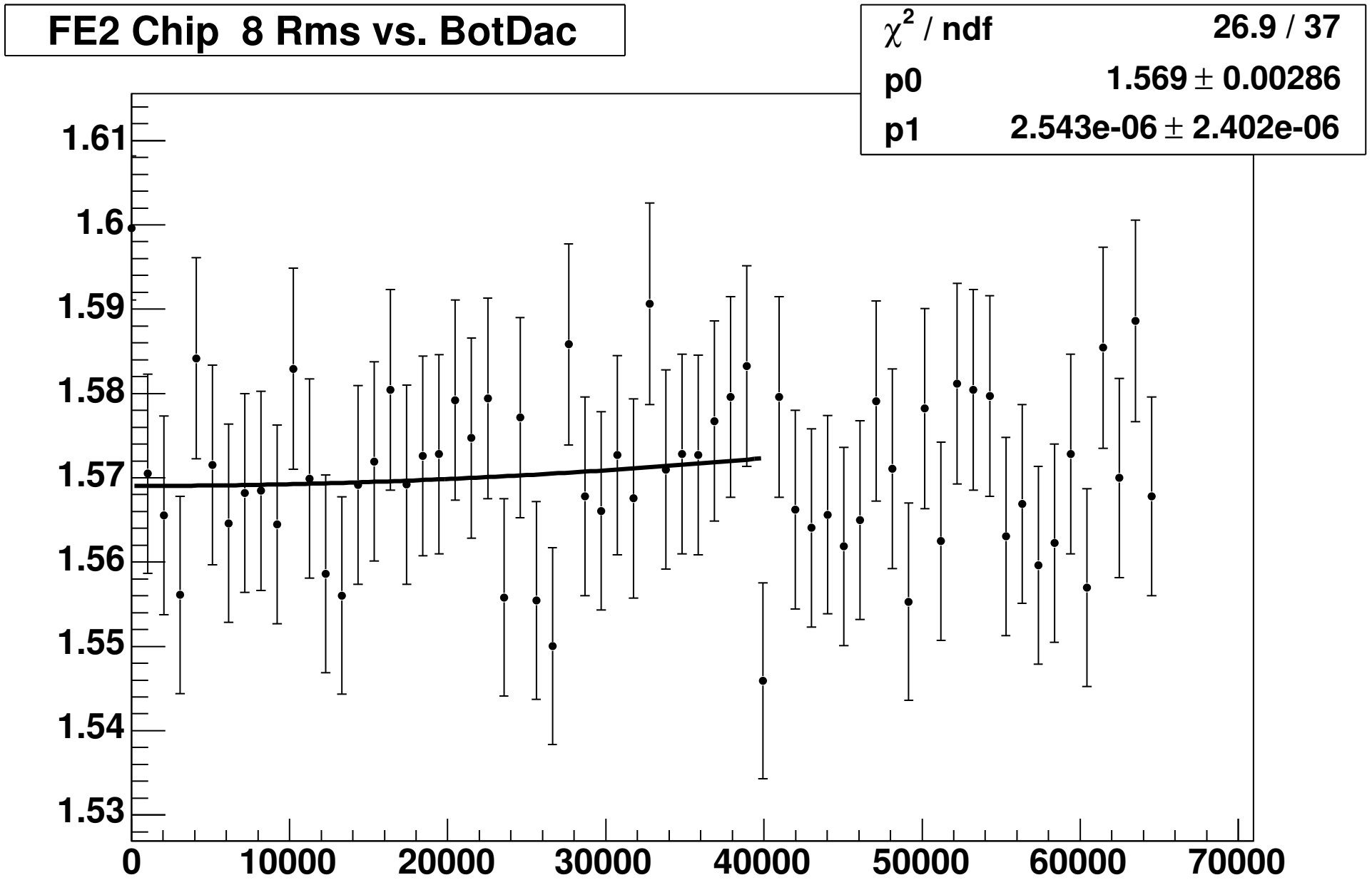
FE2 Chip 8 Rms vs. BotDac
χ² / ndf 26.9 / 37
p0 1.569 ± 0.00286
p1 2.543e-06 ± 2.402e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
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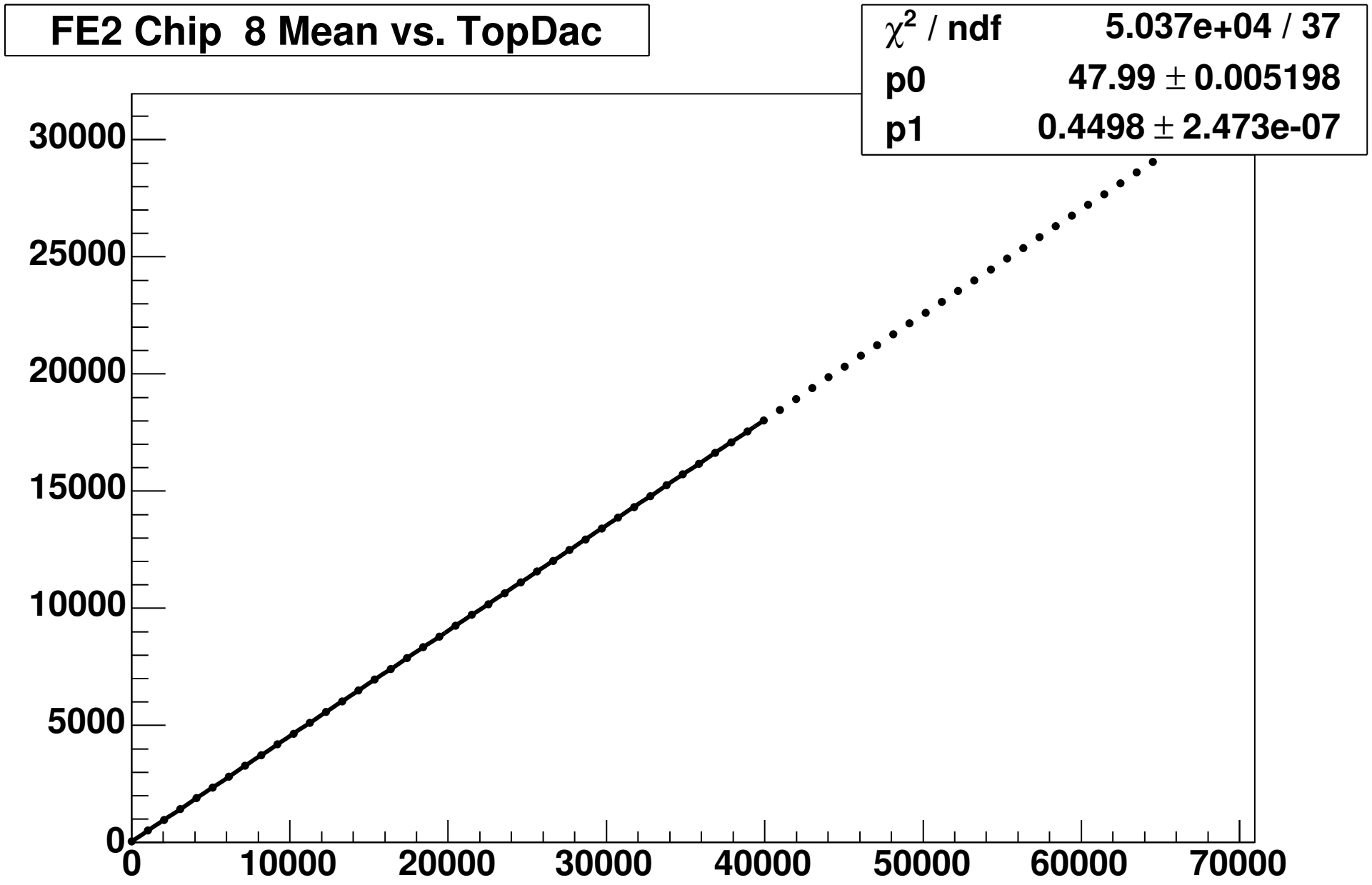
FE2 Chip 8 Mean vs. TopDac
χ² / ndf 5.037e+04 / 37
p0 47.99 ± 0.005198
p1 0.4498 ± 2.473e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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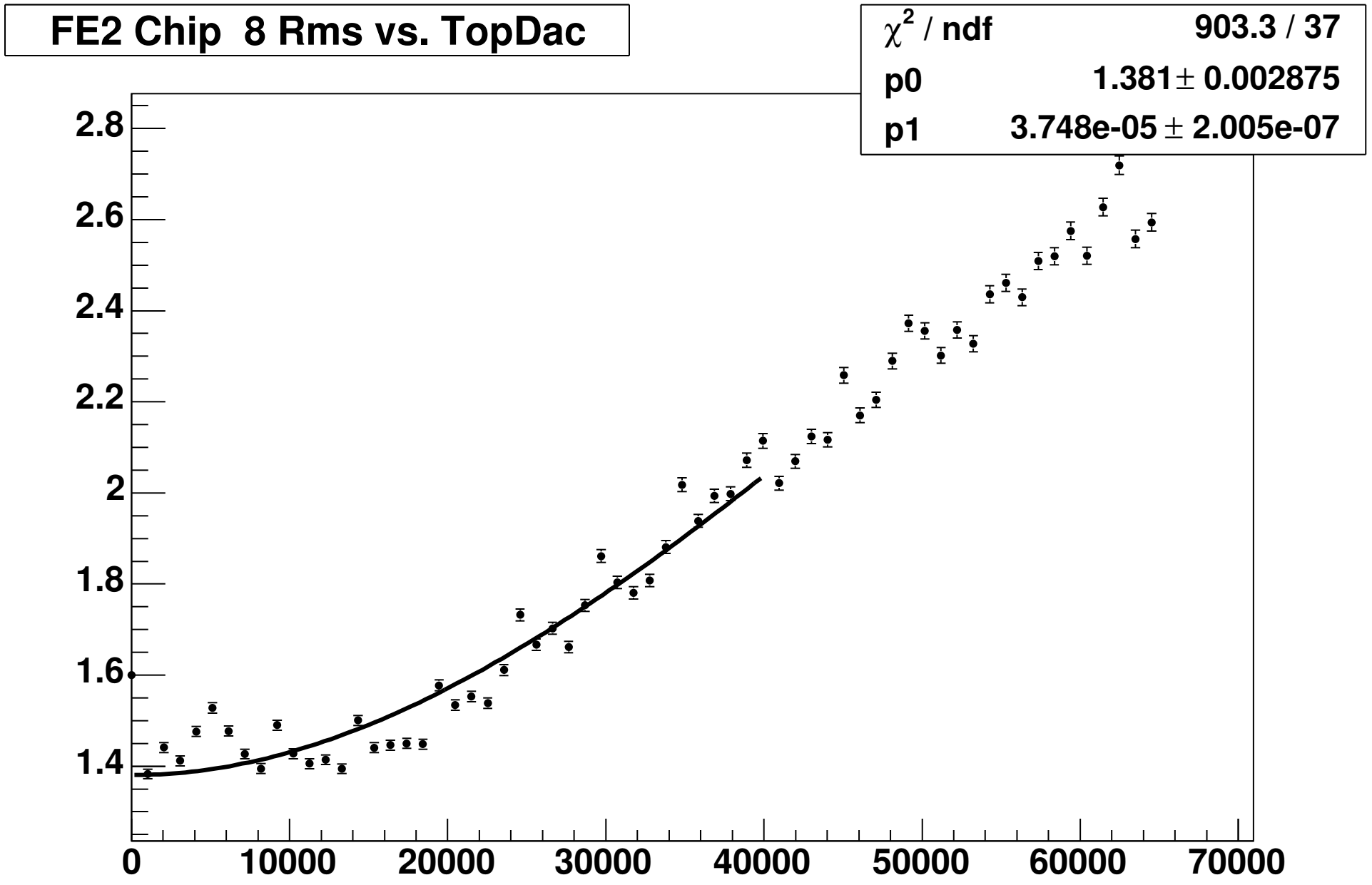
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 903.3 / 37
p0 1.381 ± 0.002875
p1 3.748e-05 ± 2.005e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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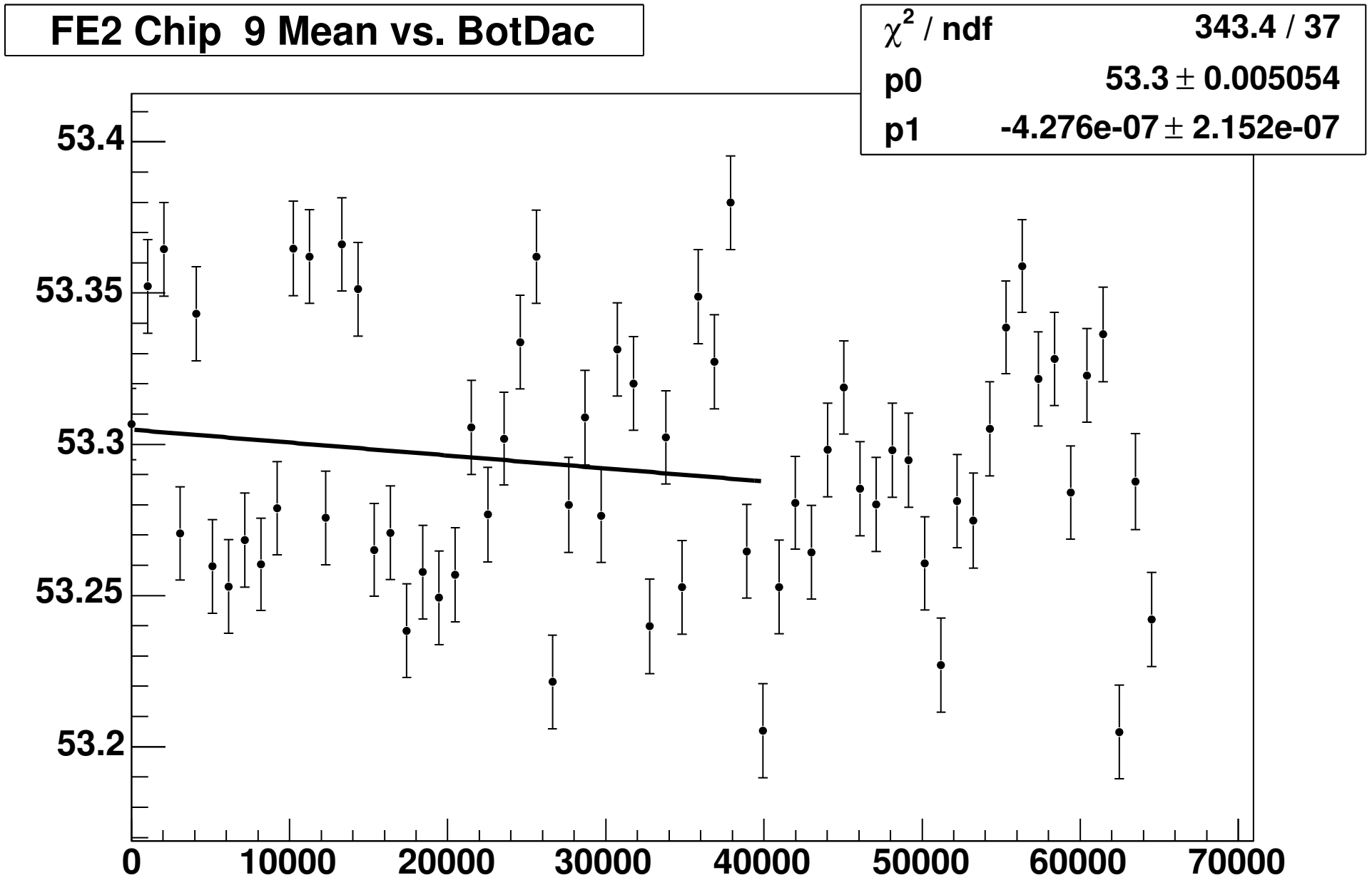
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 343.4 / 37
p0 53.3 ± 0.005054
p1 -4.276e-07 ± 2.152e-07
53.4
53.35
53.3
53.25
53.2
0
10000
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30000
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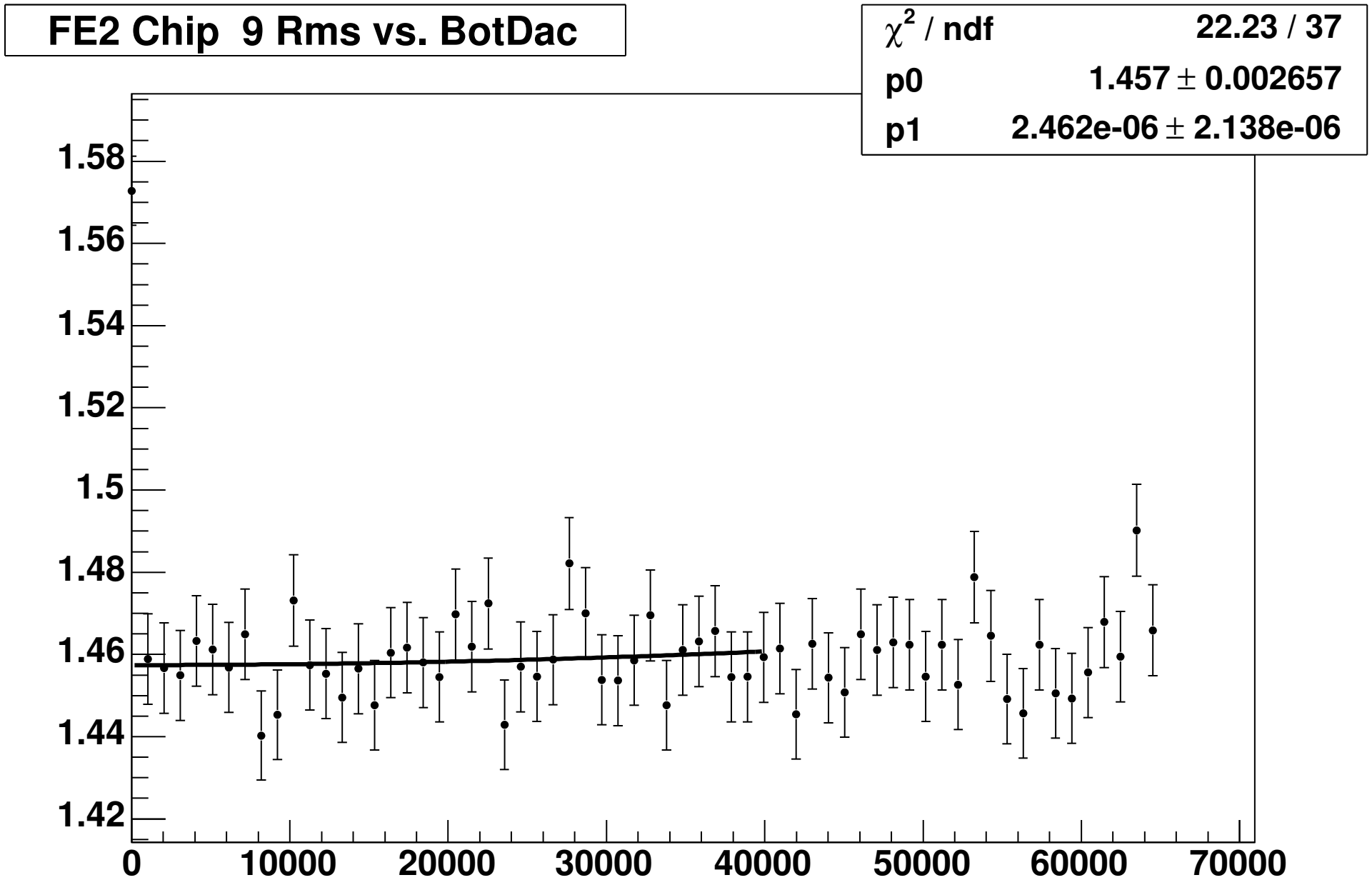
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 22.23 / 37
p0 1.457 ± 0.002657
p1 2.462e-06 ± 2.138e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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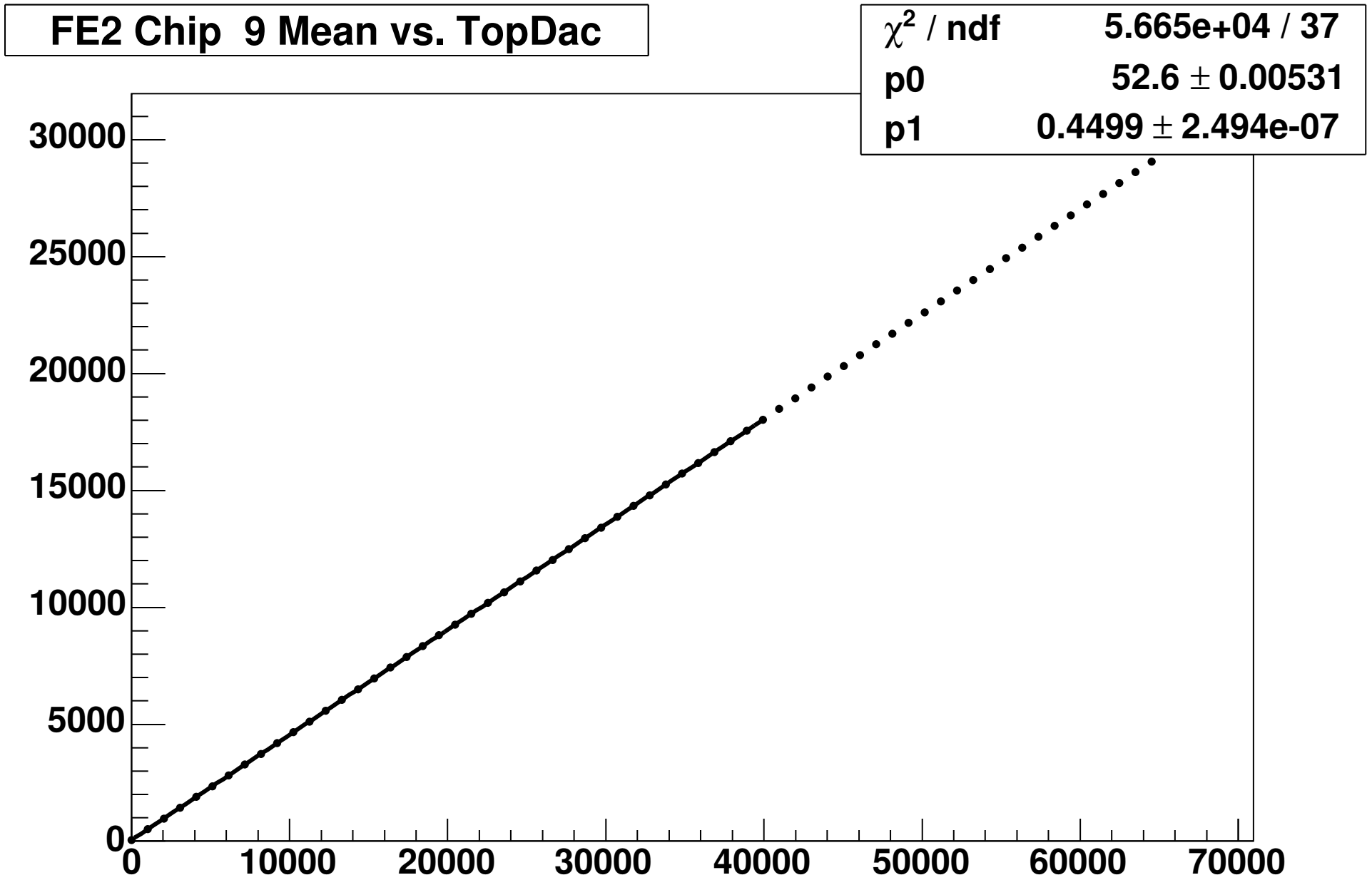
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 5.665e+04 / 37
p0 52.6 ± 0.00531
p1 0.4499 ± 2.494e-07
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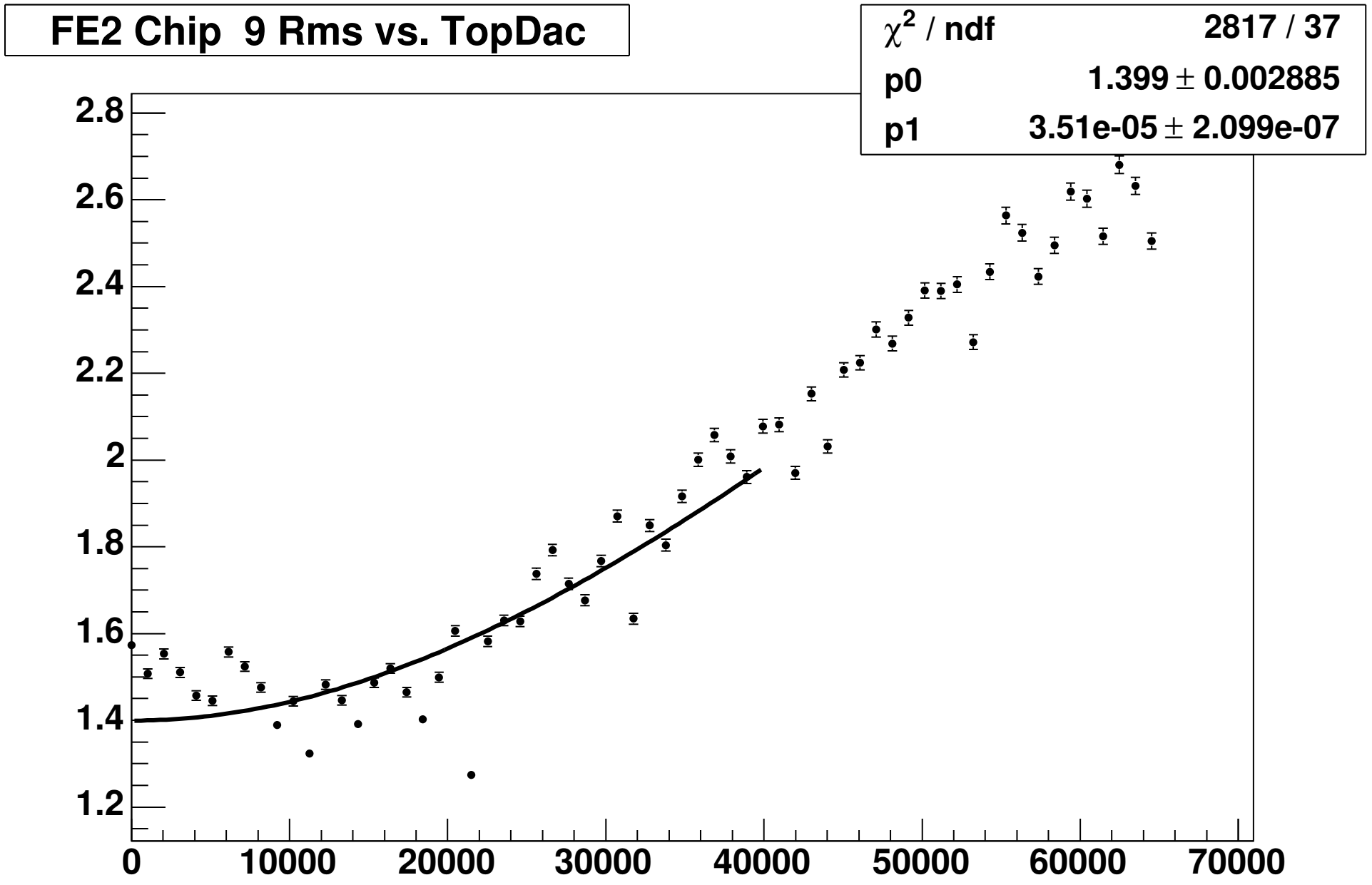
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 2817 / 37
p0 1.399 ± 0.002885
p1 3.51e-05 ± 2.099e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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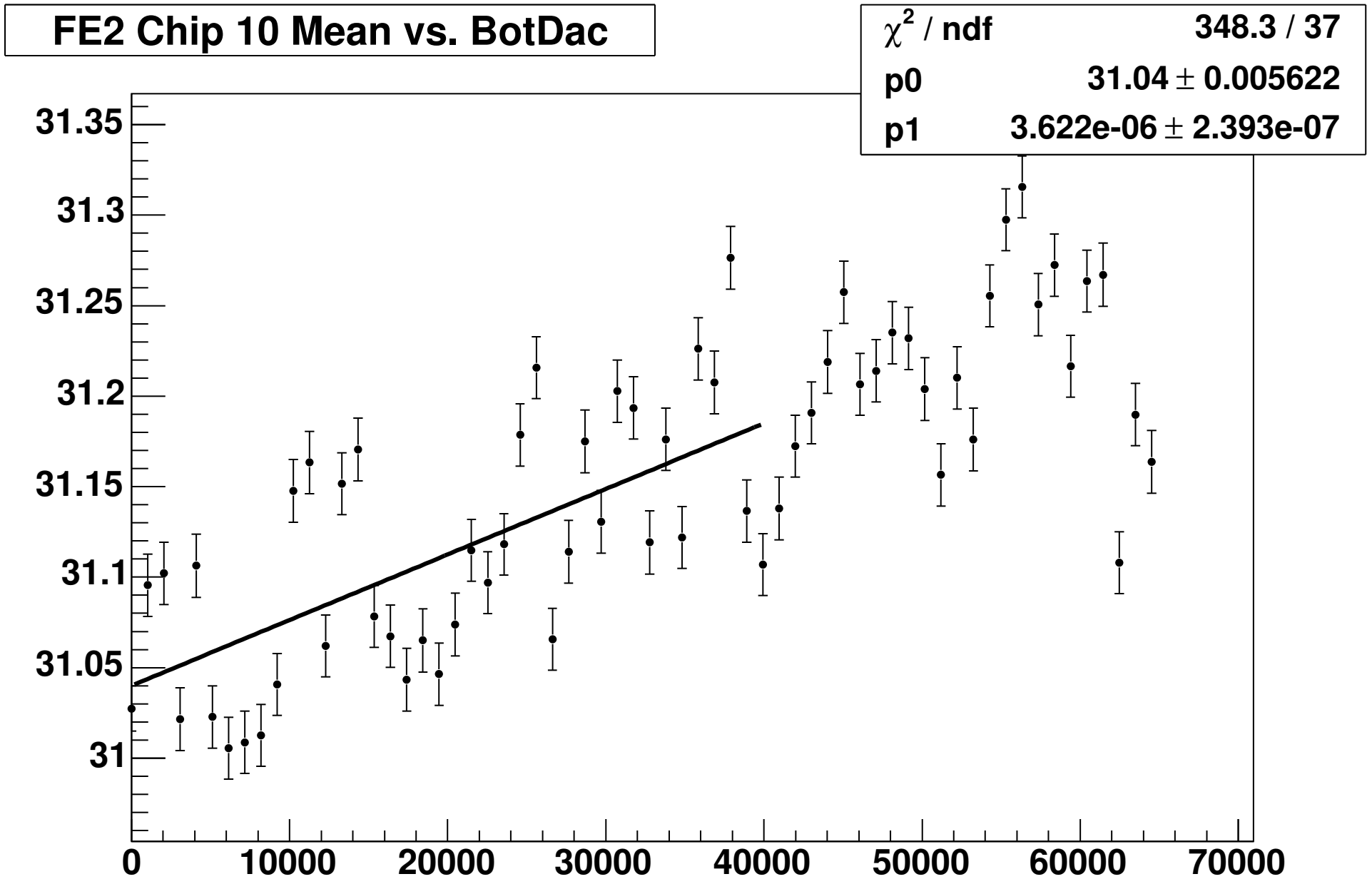
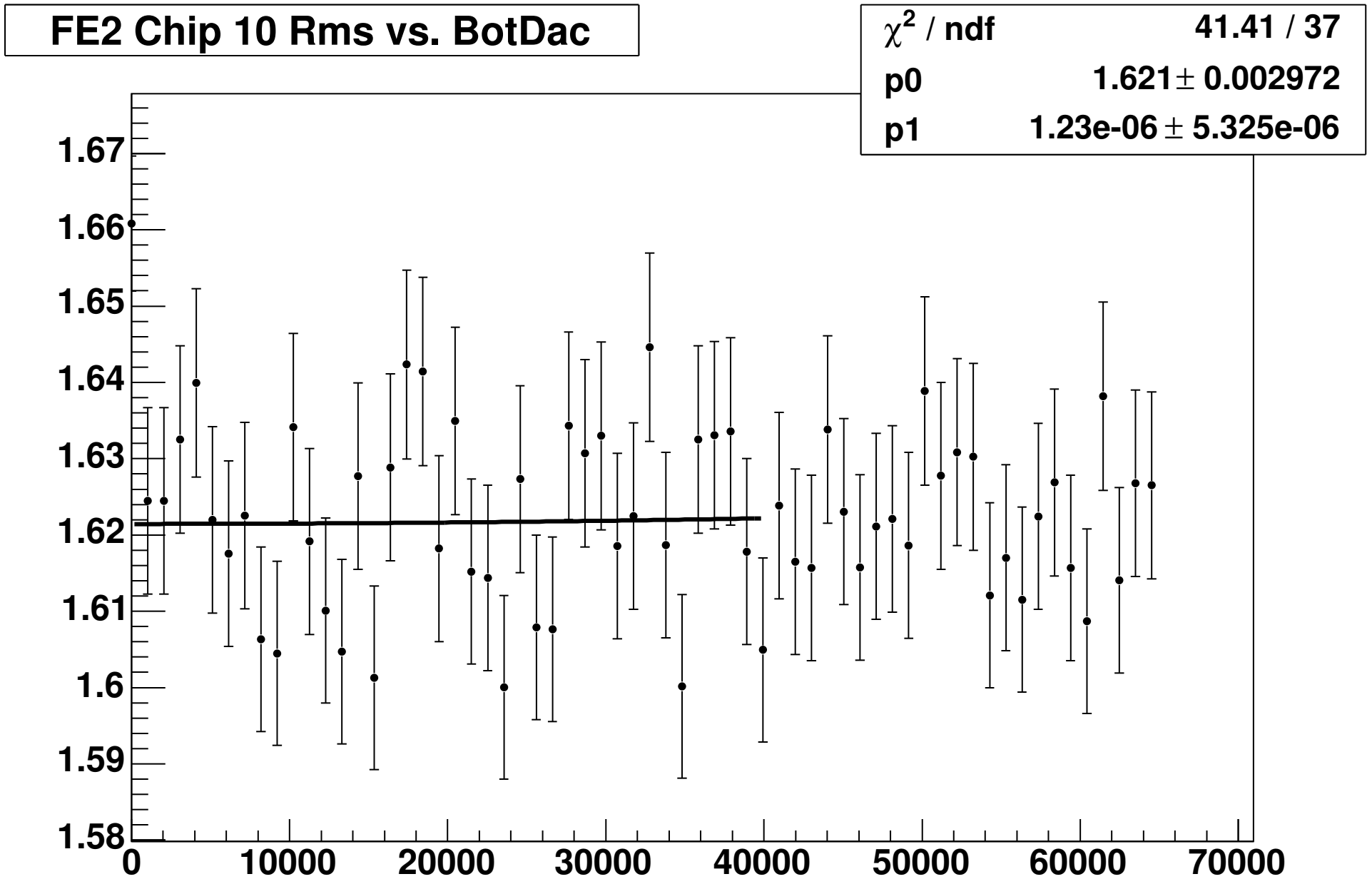

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 348.3 / 37
p0 31.04 ± 0.005622
p1 3.622e-06 ± 2.393e-07
31.35
31.3
31.25
31.2
31.15
31.1
31.05
31
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 41.41 / 37
p0 1.621 ± 0.002972
p1 1.23e-06 ± 5.325e-06
1.67
1.66
1.65
1.64
1.63
1.62
1.61
1.6
1.59
1.58
0
10000
20000
30000
40000
50000
60000
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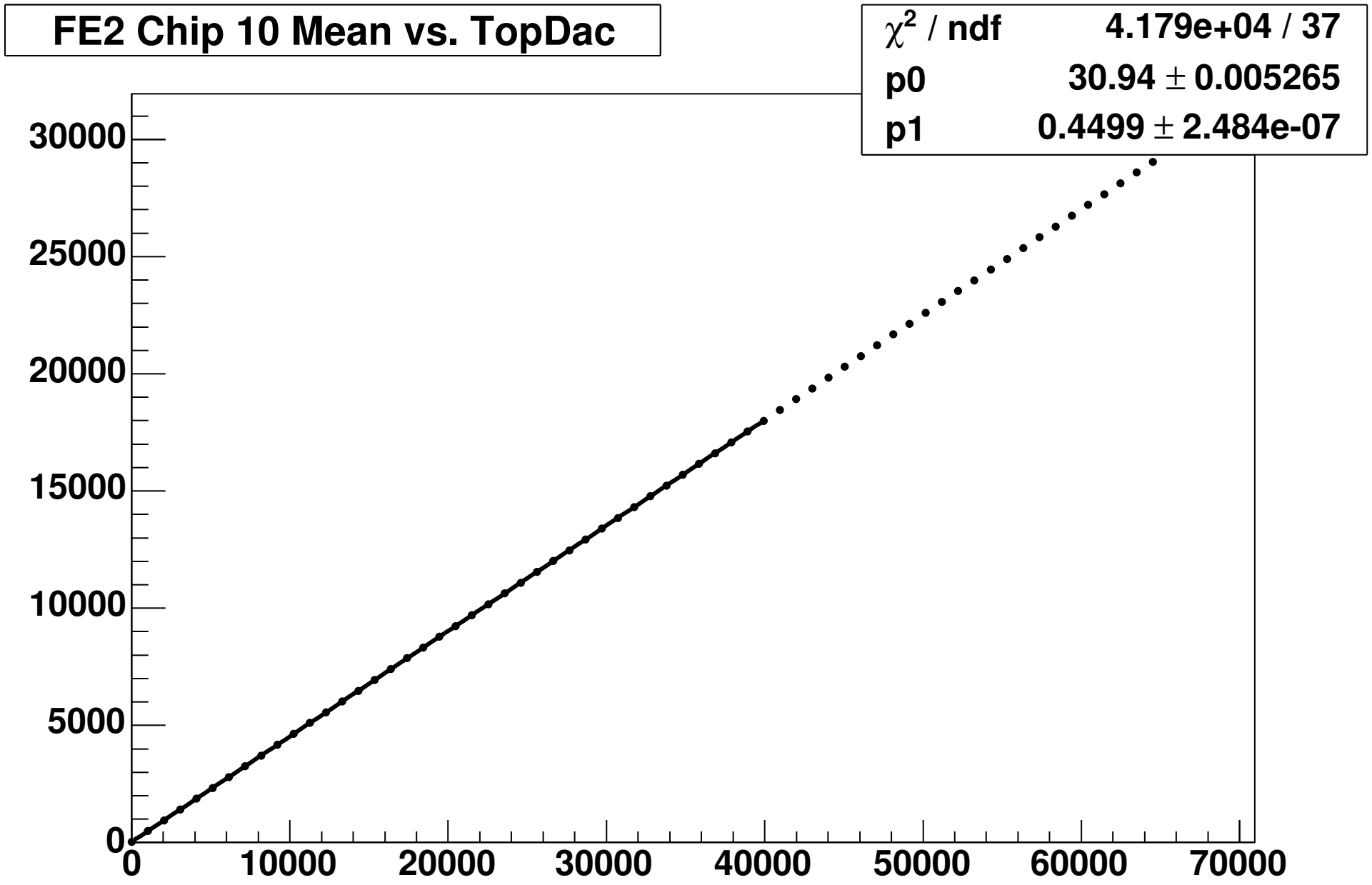
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 4.179e+04 / 37
p0 30.94 ± 0.005265
p1 0.4499 ± 2.484e-07
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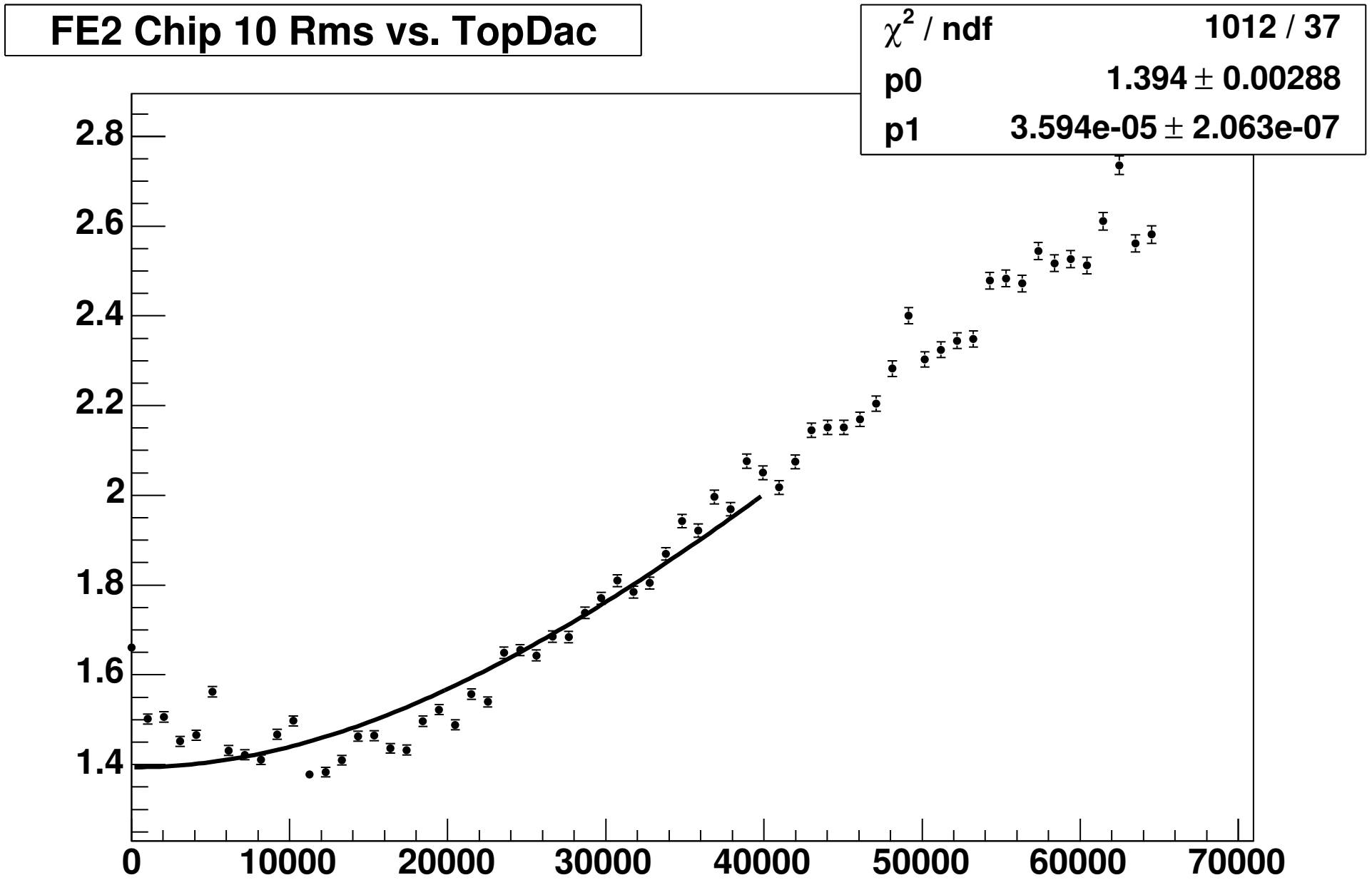
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 1012 / 37
p0 1.394 ± 0.00288
p1 3.594e-05 ± 2.063e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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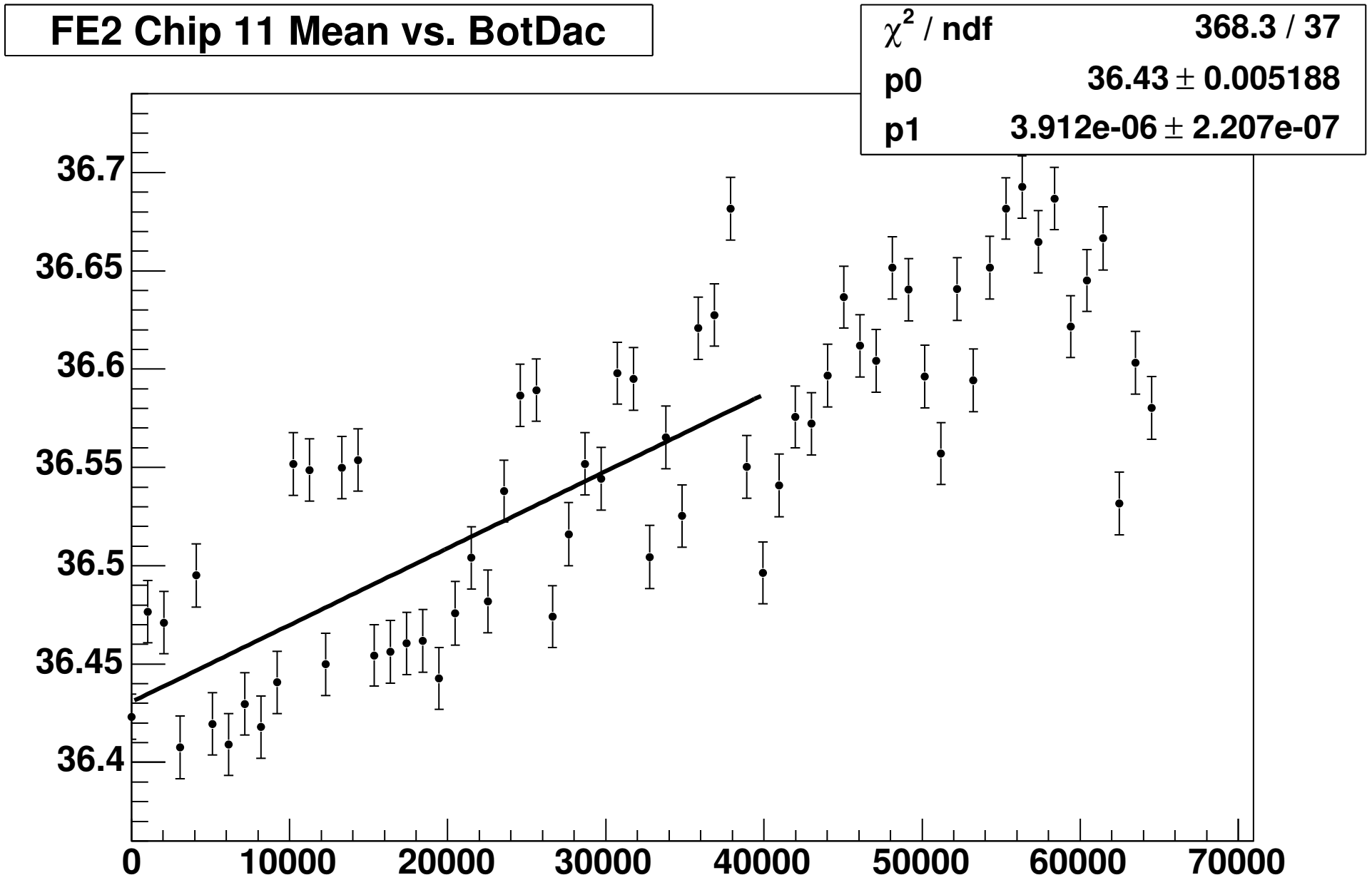
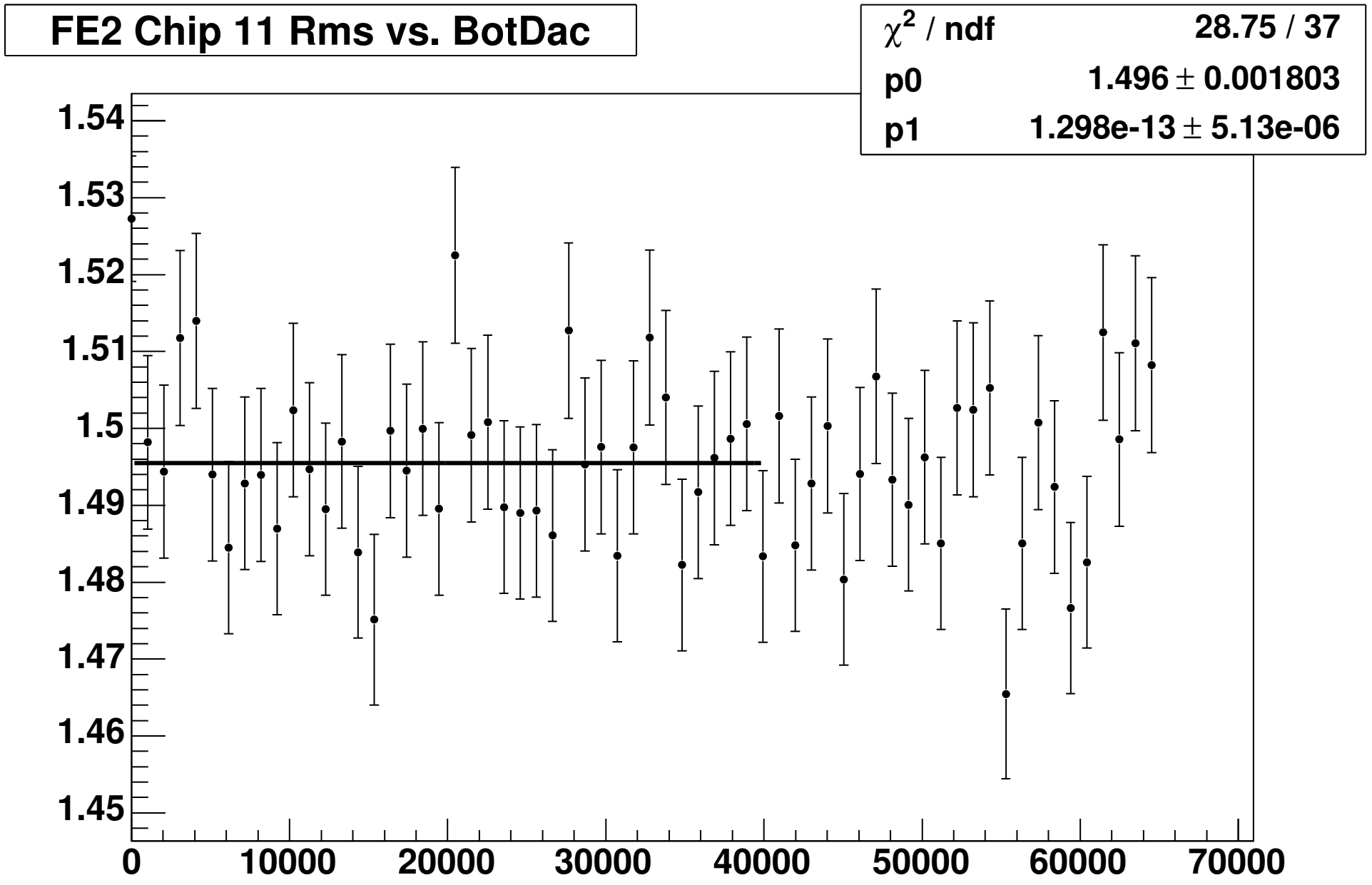
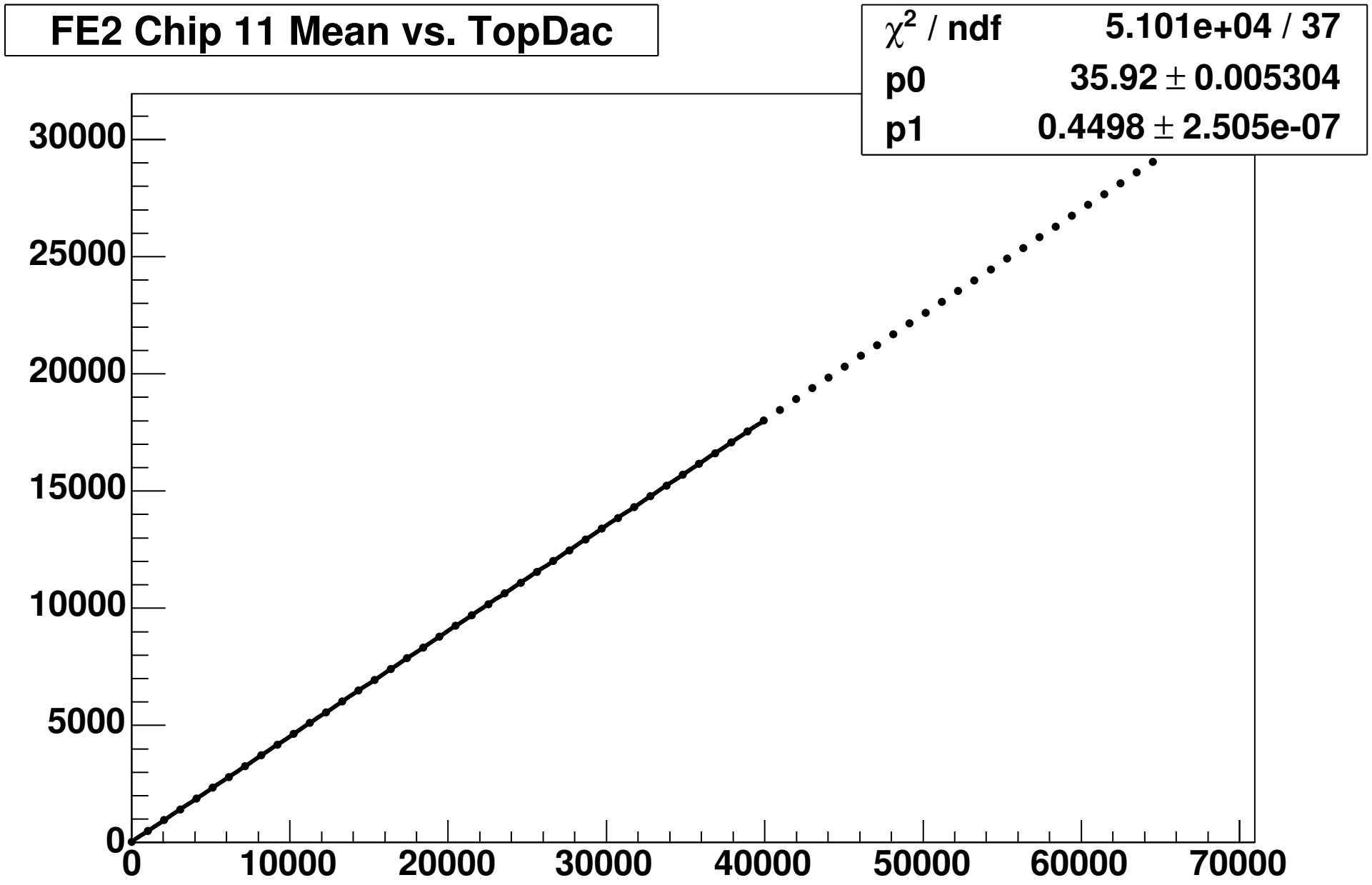
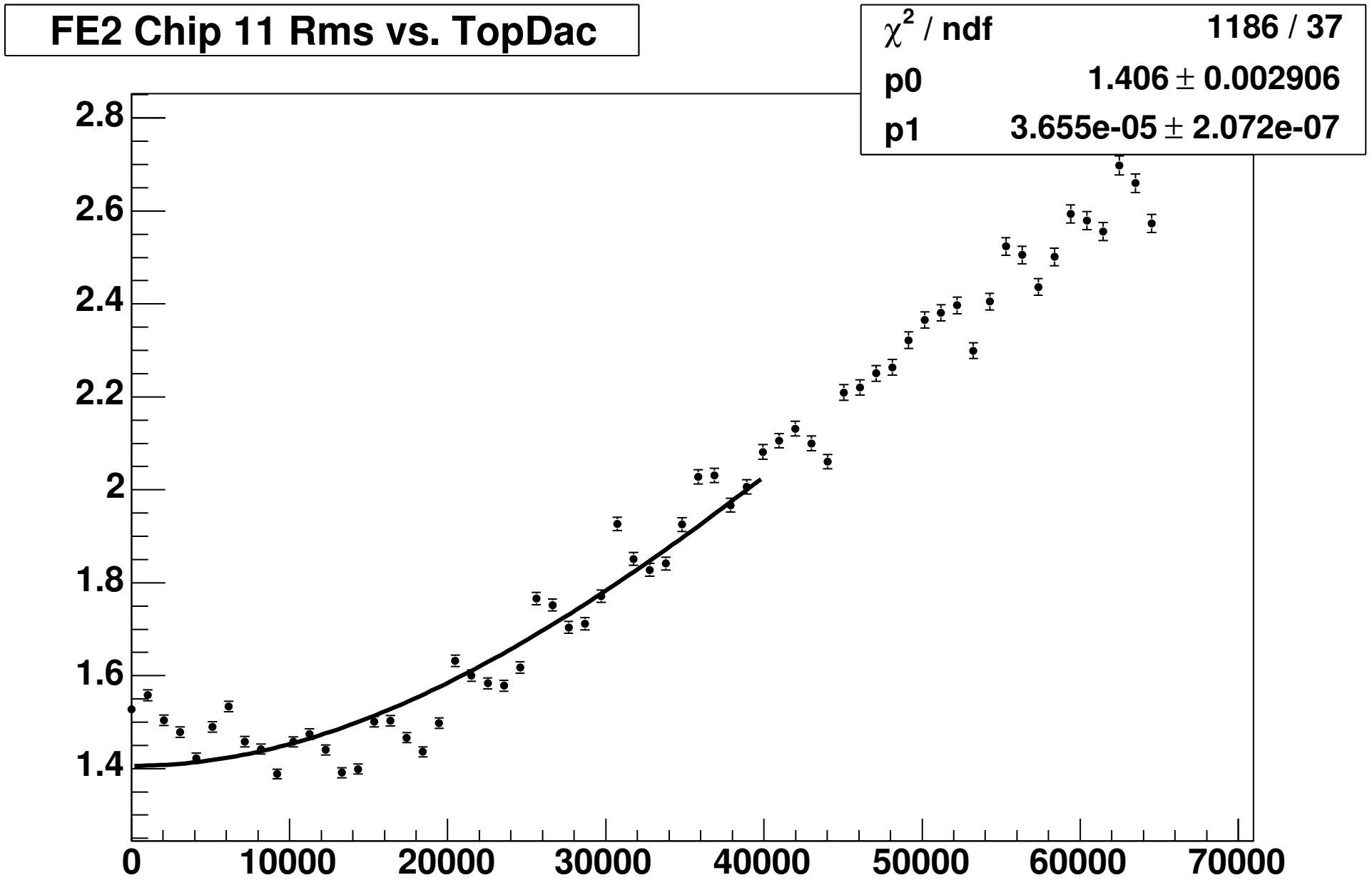

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 368.3 / 37
p0 36.43 ± 0.005188
p1 3.912e-06 ± 2.207e-07
36.7
36.65
36.6
36.55
36.5
36.45
36.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 28.75 / 37
p0 1.496 ± 0.001803
p1 1.298e-13 ± 5.13e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 5.101e+04 / 37
p0 35.92 ± 0.005304
p1 0.4498 ± 2.505e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1186 / 37
p0 1.406 ± 0.002906
p1 3.655e-05 ± 2.072e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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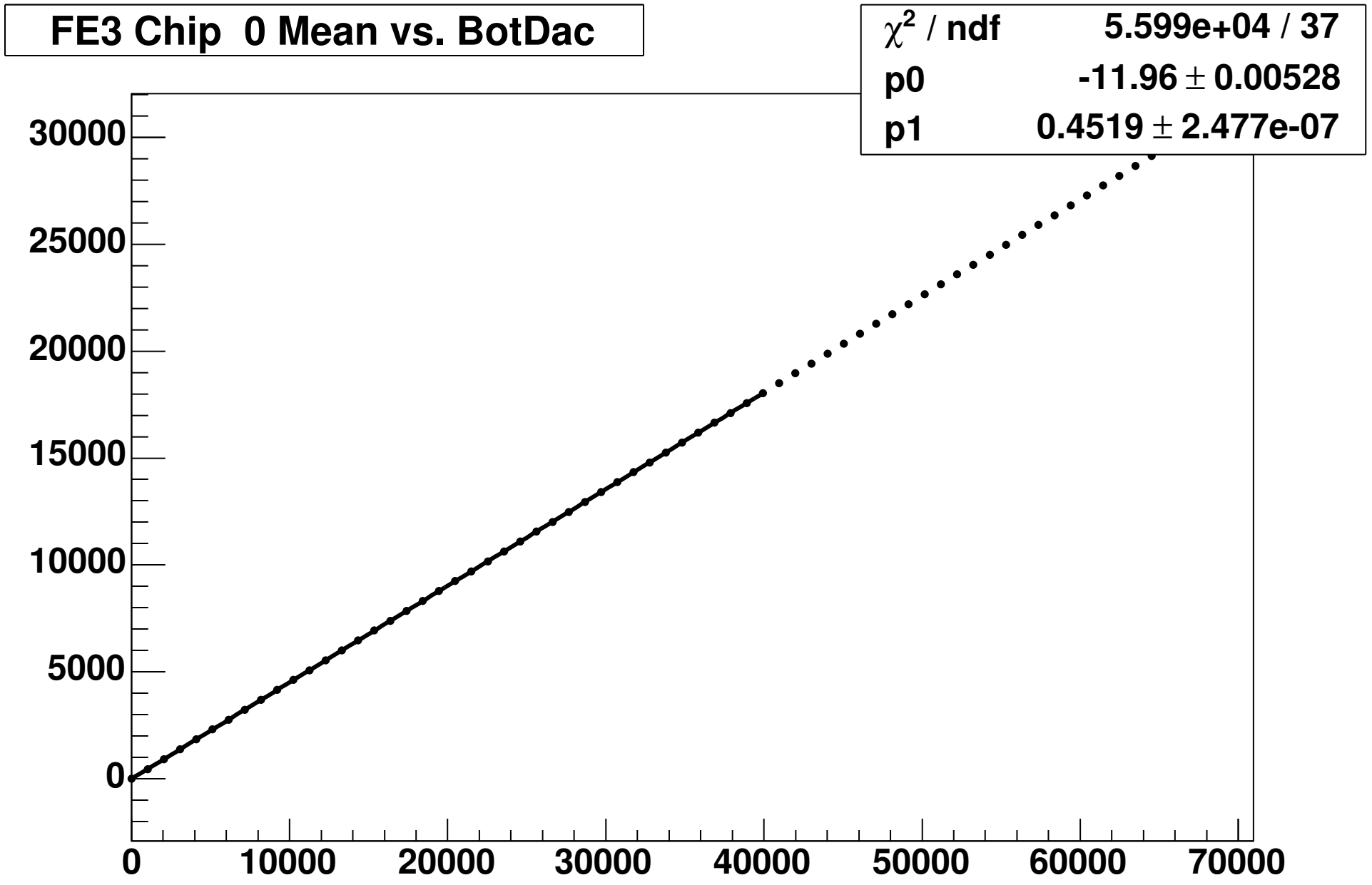
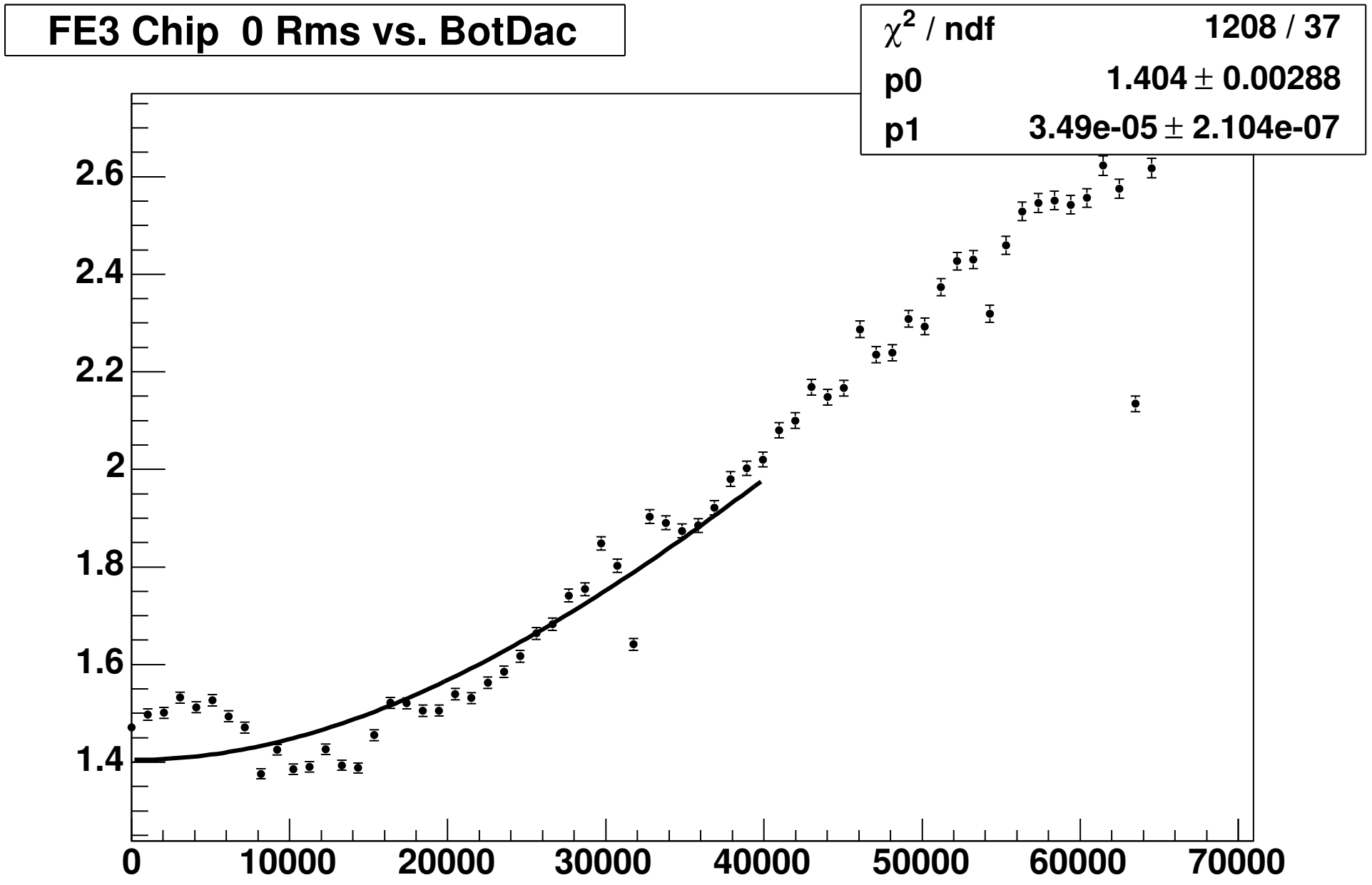
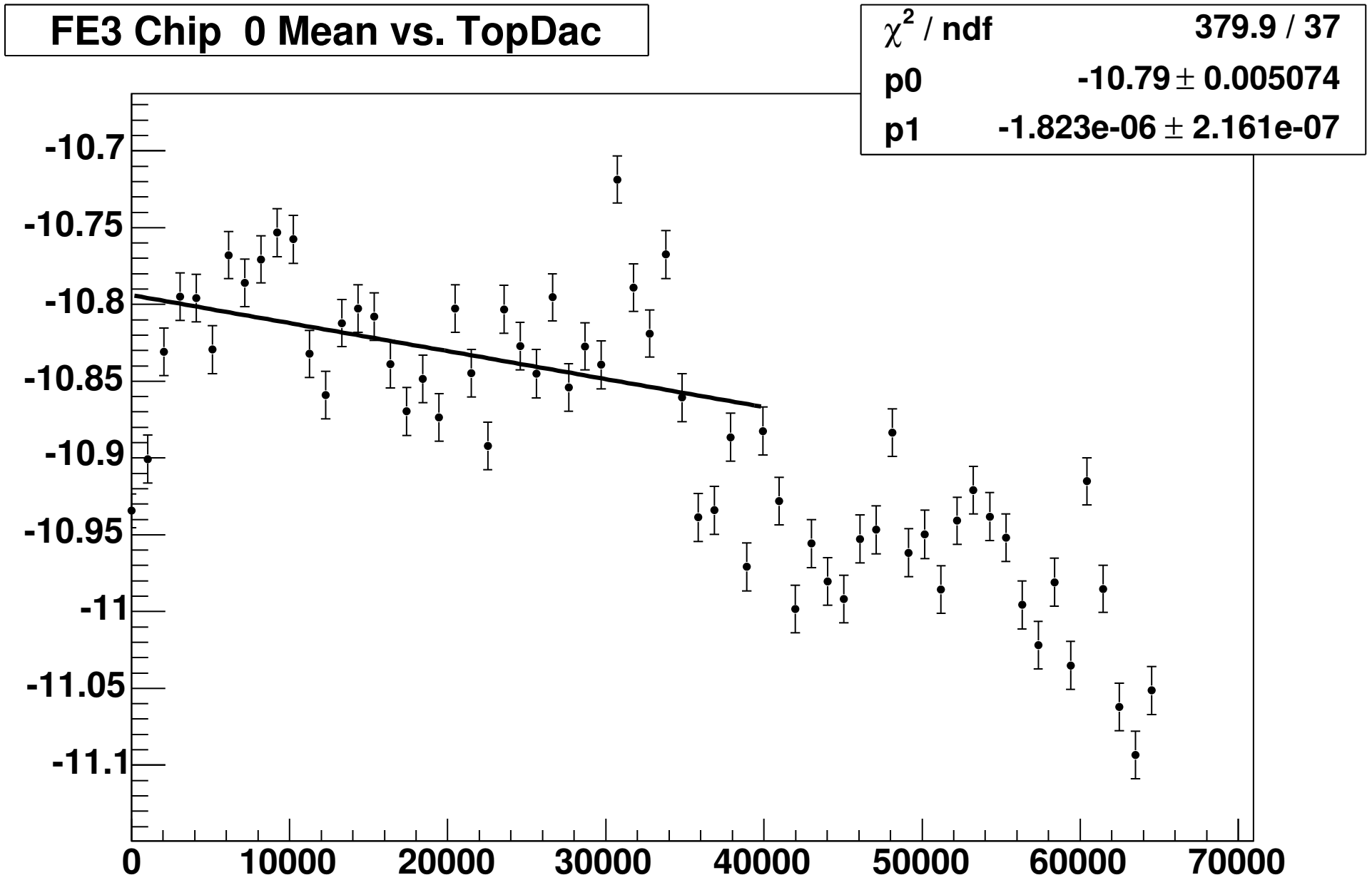
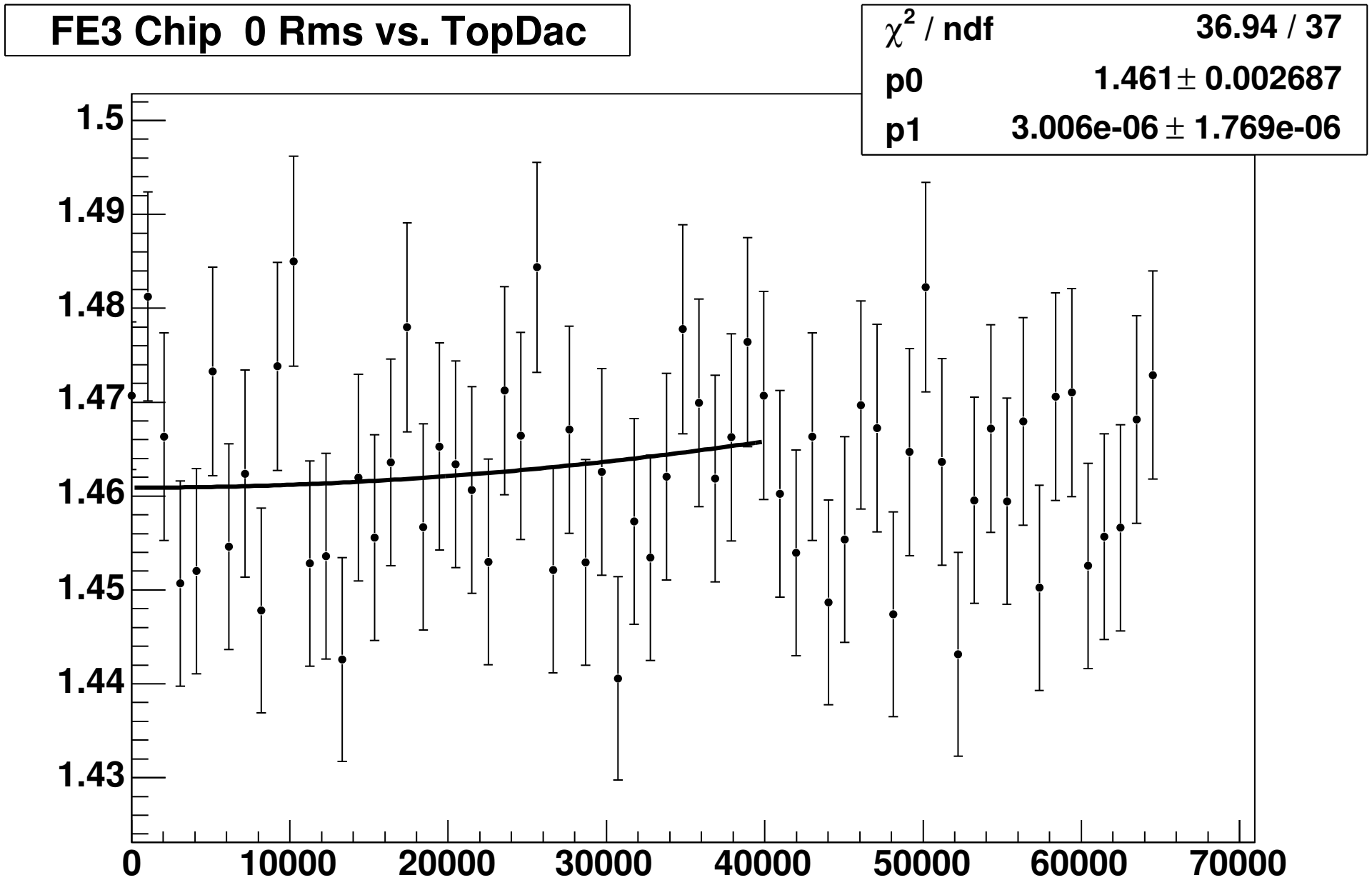

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 5.599e+04 / 37
p0 -11.96 ± 0.00528
p1 0.4519 ± 2.477e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 1208 / 37
p0 1.404 ± 0.00288
p1 3.49e-05 ± 2.104e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 379.9 / 37
p0 -10.79 ± 0.005074
p1 -1.823e-06 ± 2.161e-07
-10.7
-10.75
-10.8
-10.85
-10.9
-10.95
-11
-11.05
-11.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 36.94 / 37
p0 1.461 ± 0.002687
p1 3.006e-06 ± 1.769e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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50000
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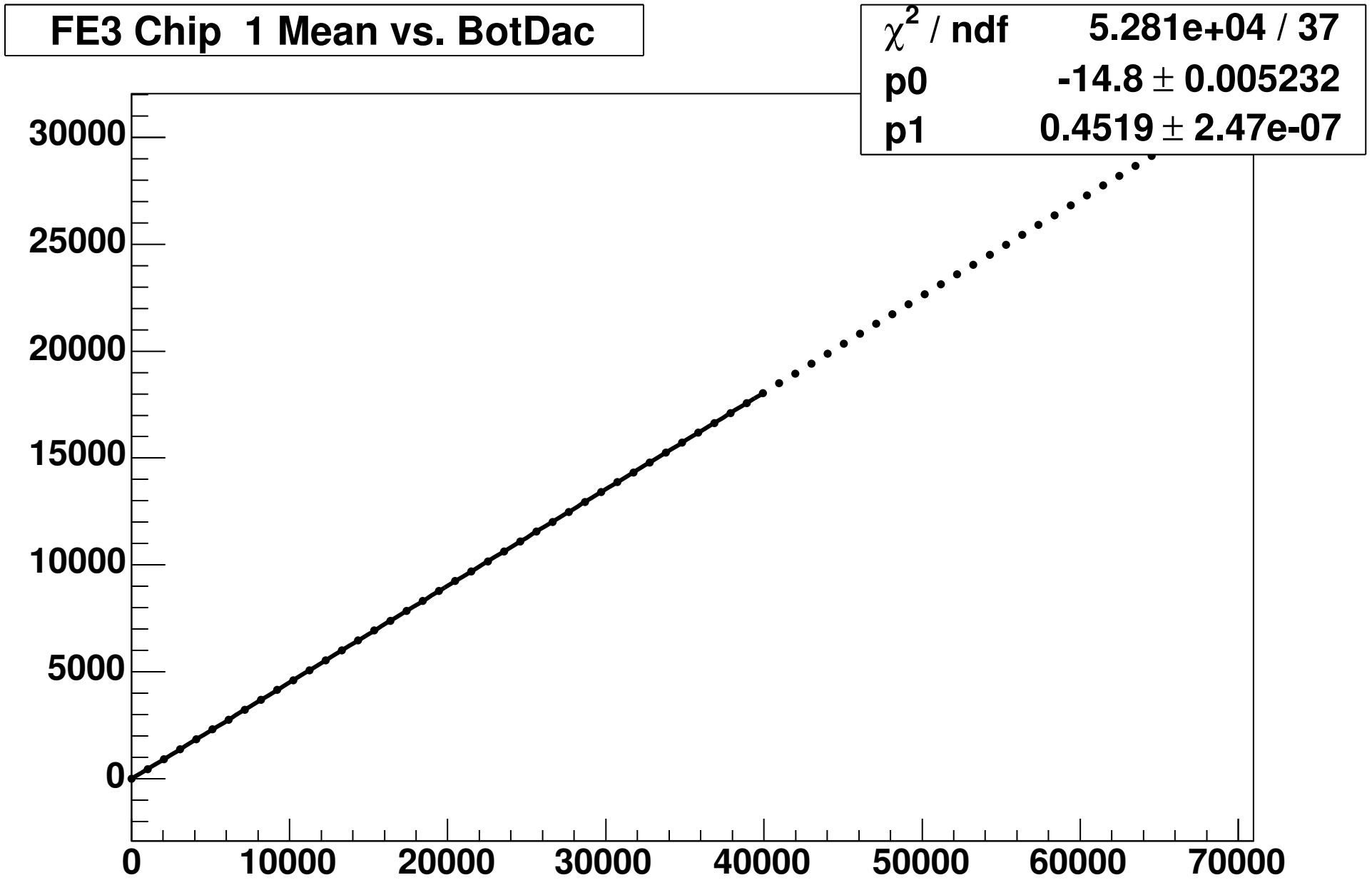
FE3 Chip 1 Mean vs. BotDac
χ² / ndf 5.281e+04 / 37
p0 -14.8 ± 0.005232
p1 0.4519 ± 2.47e-07
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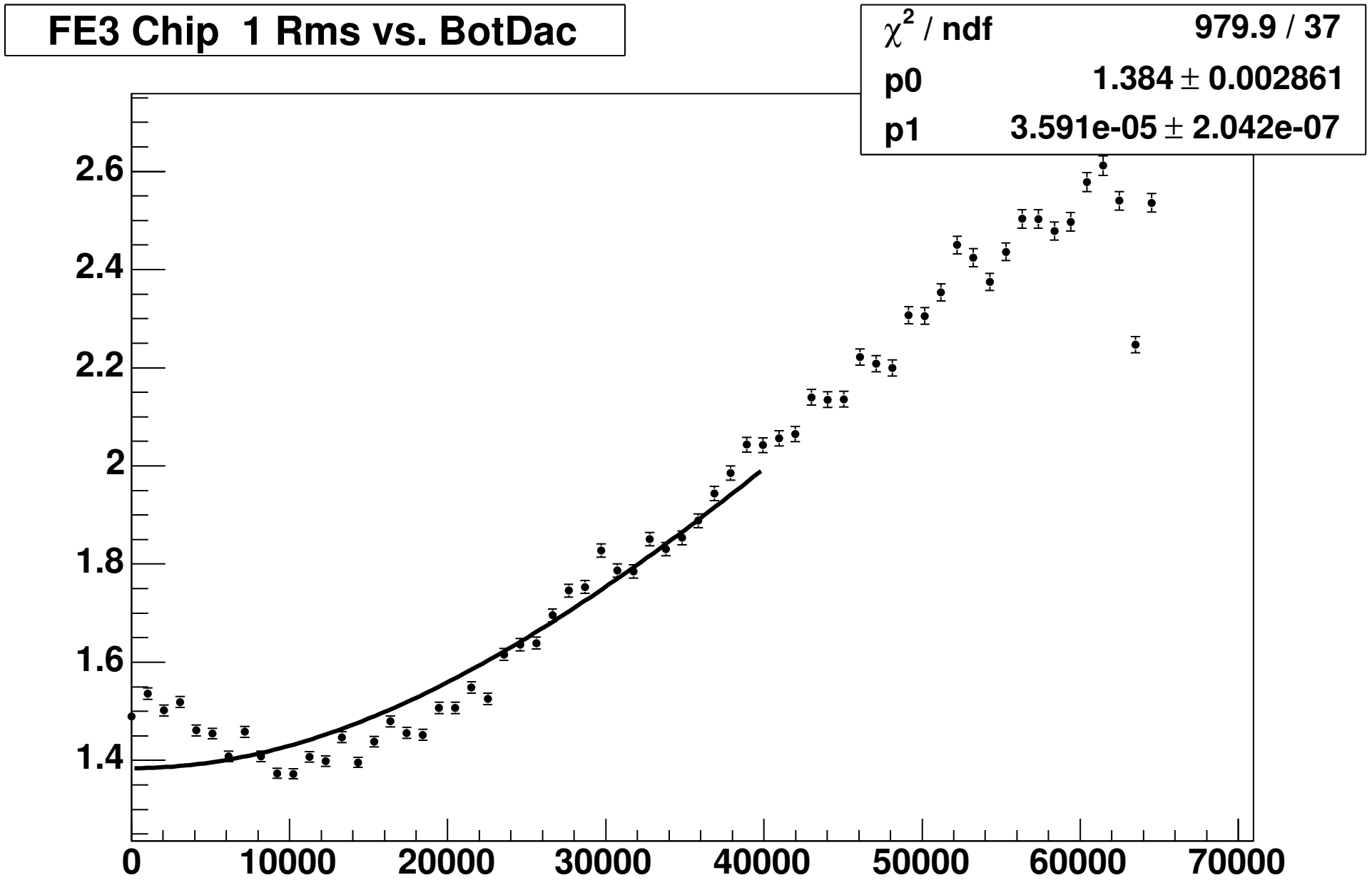
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 979.9 / 37
p0 1.384 ± 0.002861
p1 3.591e-05 ± 2.042e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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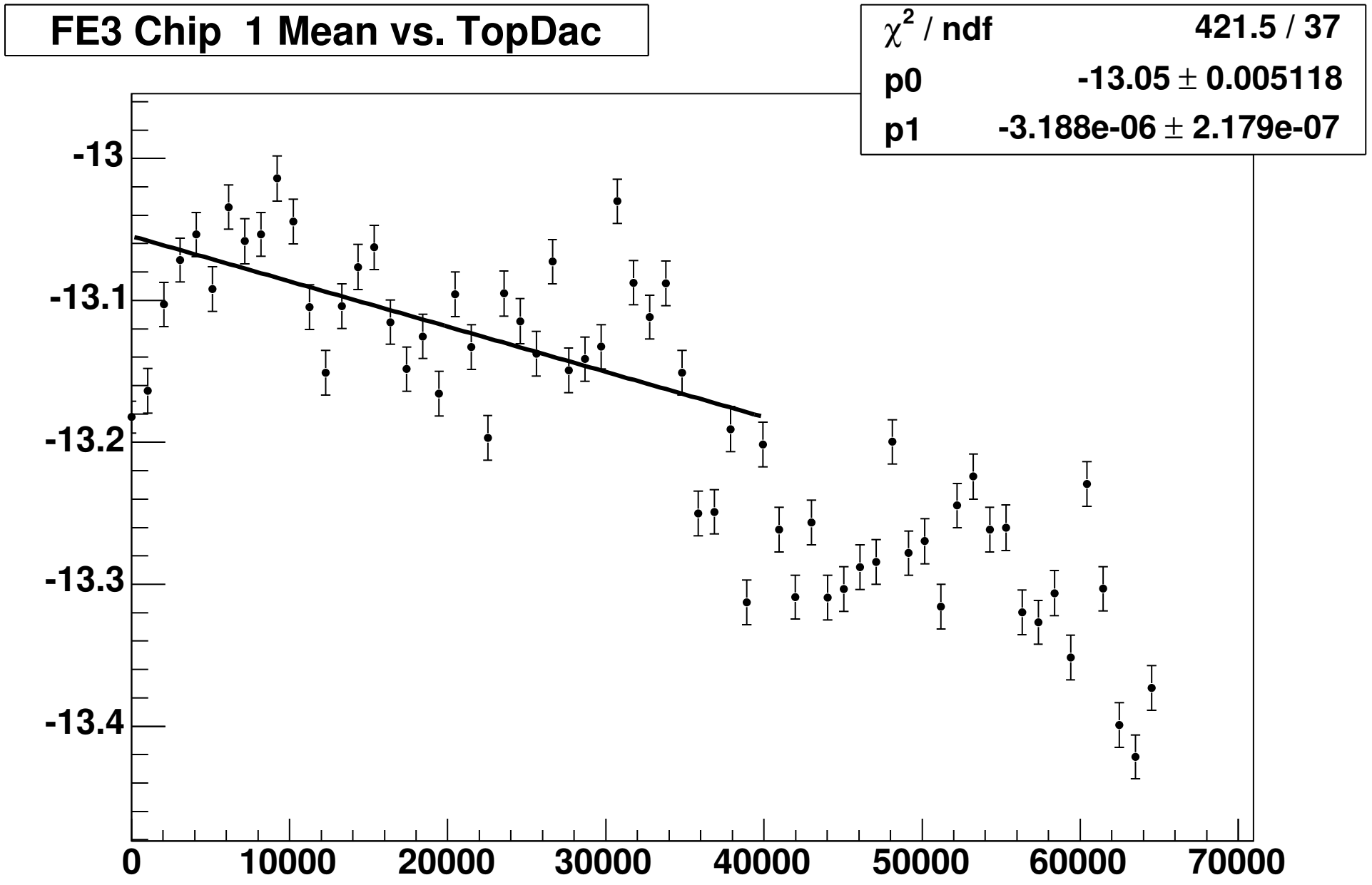
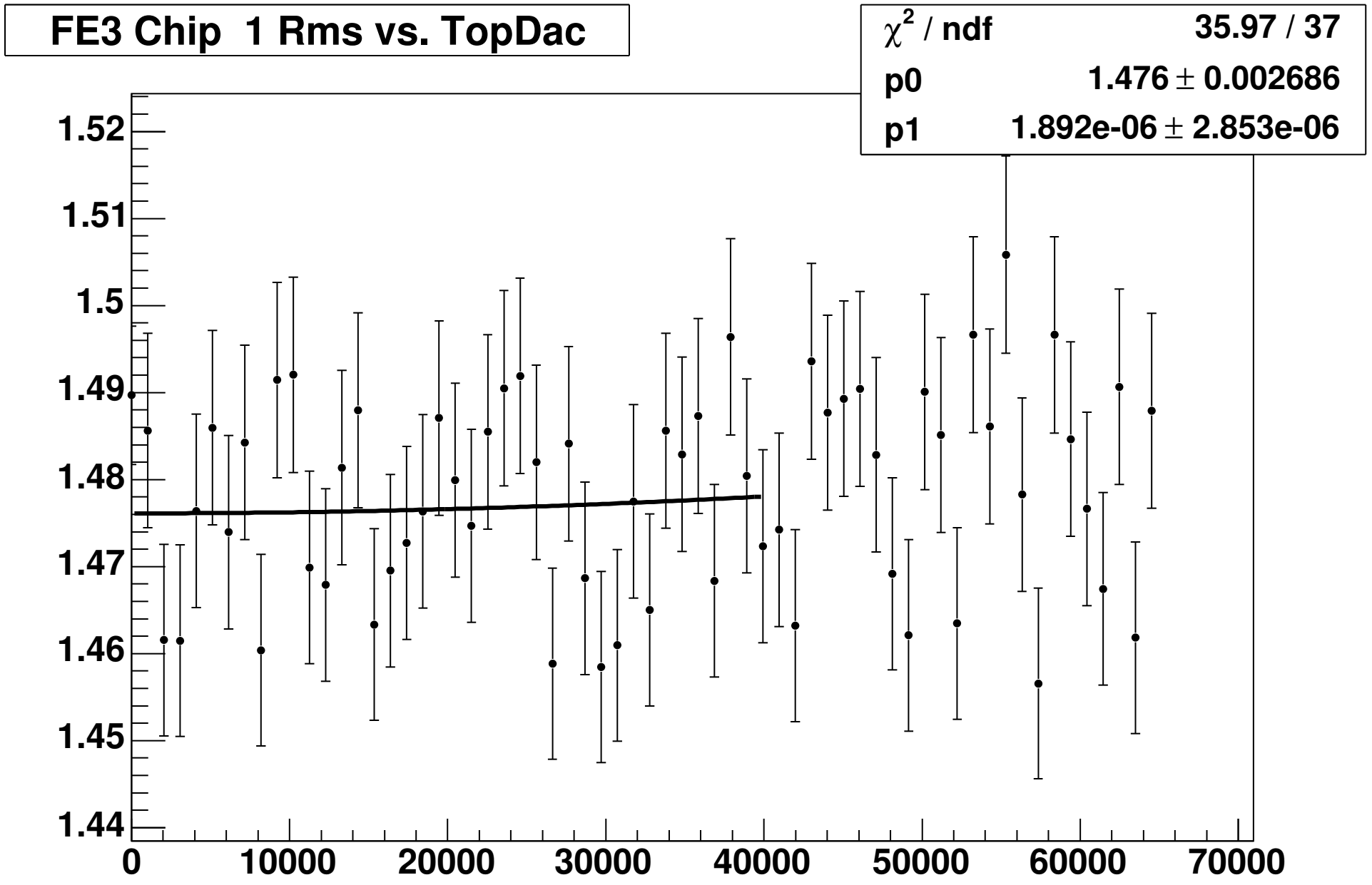

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 421.5 / 37
p0 -13.05 ± 0.005118
p1 -3.188e-06 ± 2.179e-07
-13
-13.1
-13.2
-13.3
-13.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 35.97 / 37
p0 1.476 ± 0.002686
p1 1.892e-06 ± 2.853e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
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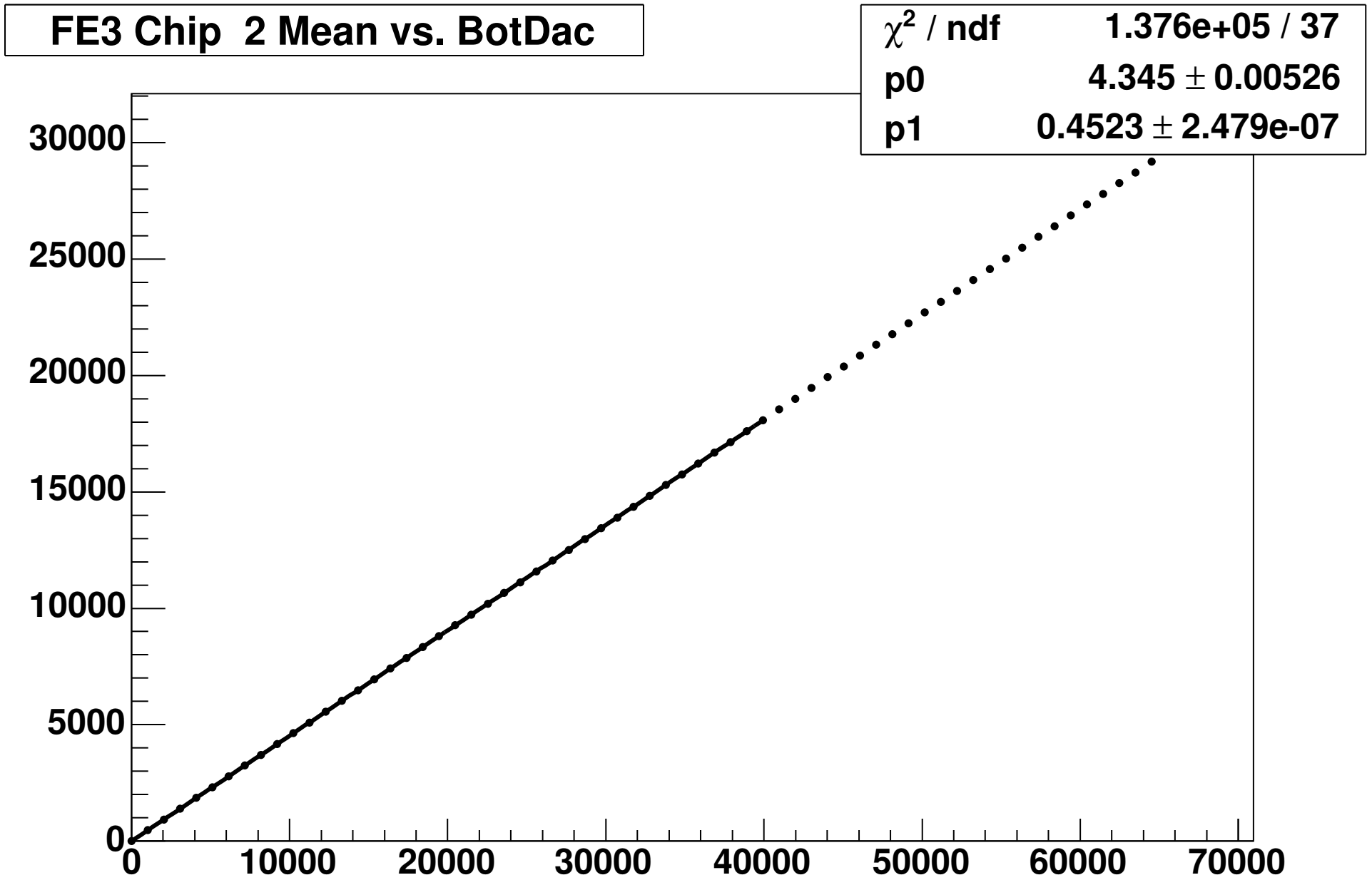
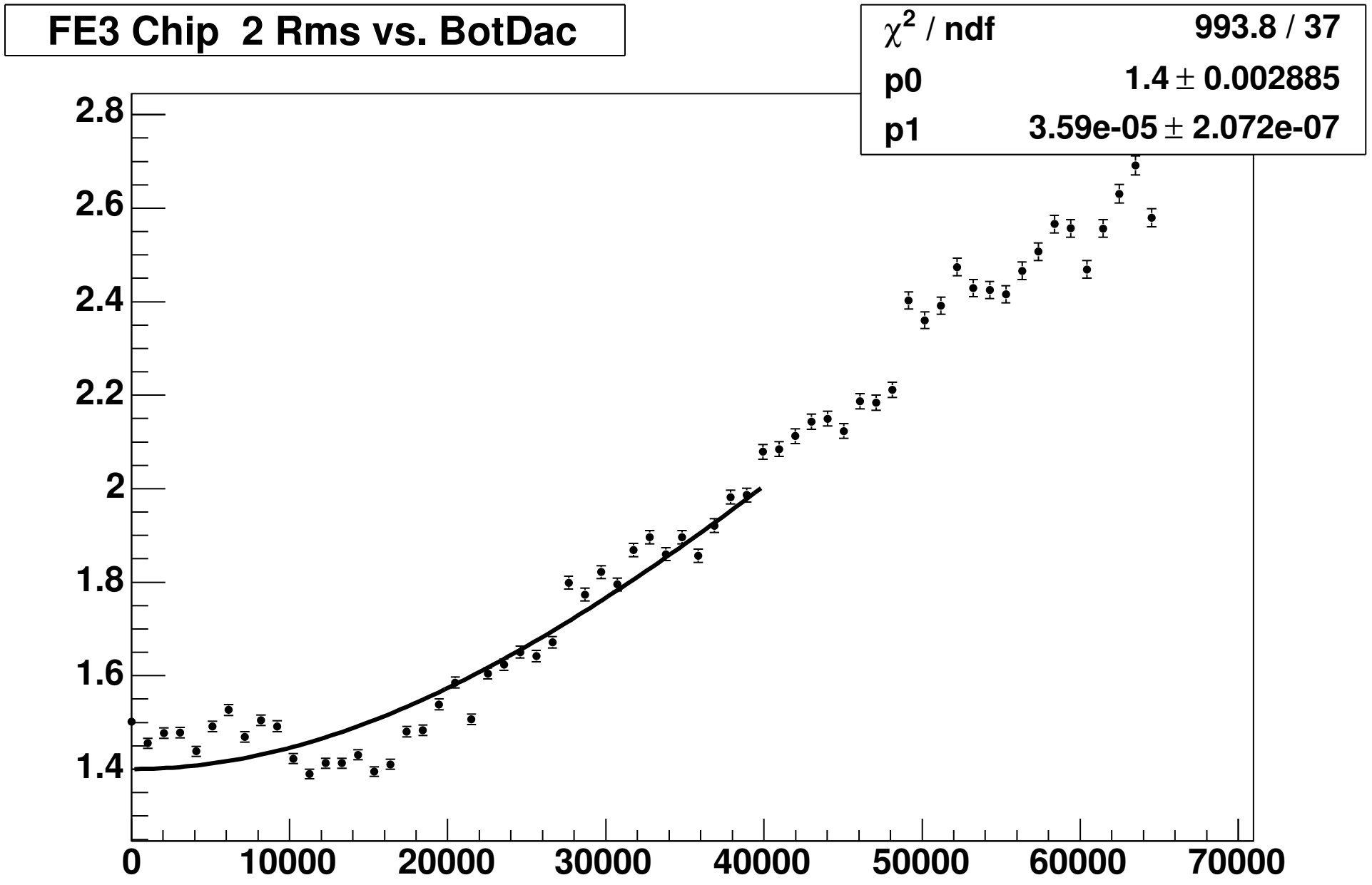

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.376e+05 / 37
p0 4.345 ± 0.00526
p1 0.4523 ± 2.479e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 993.8 / 37
p0 1.4 ± 0.002885
p1 3.59e-05 ± 2.072e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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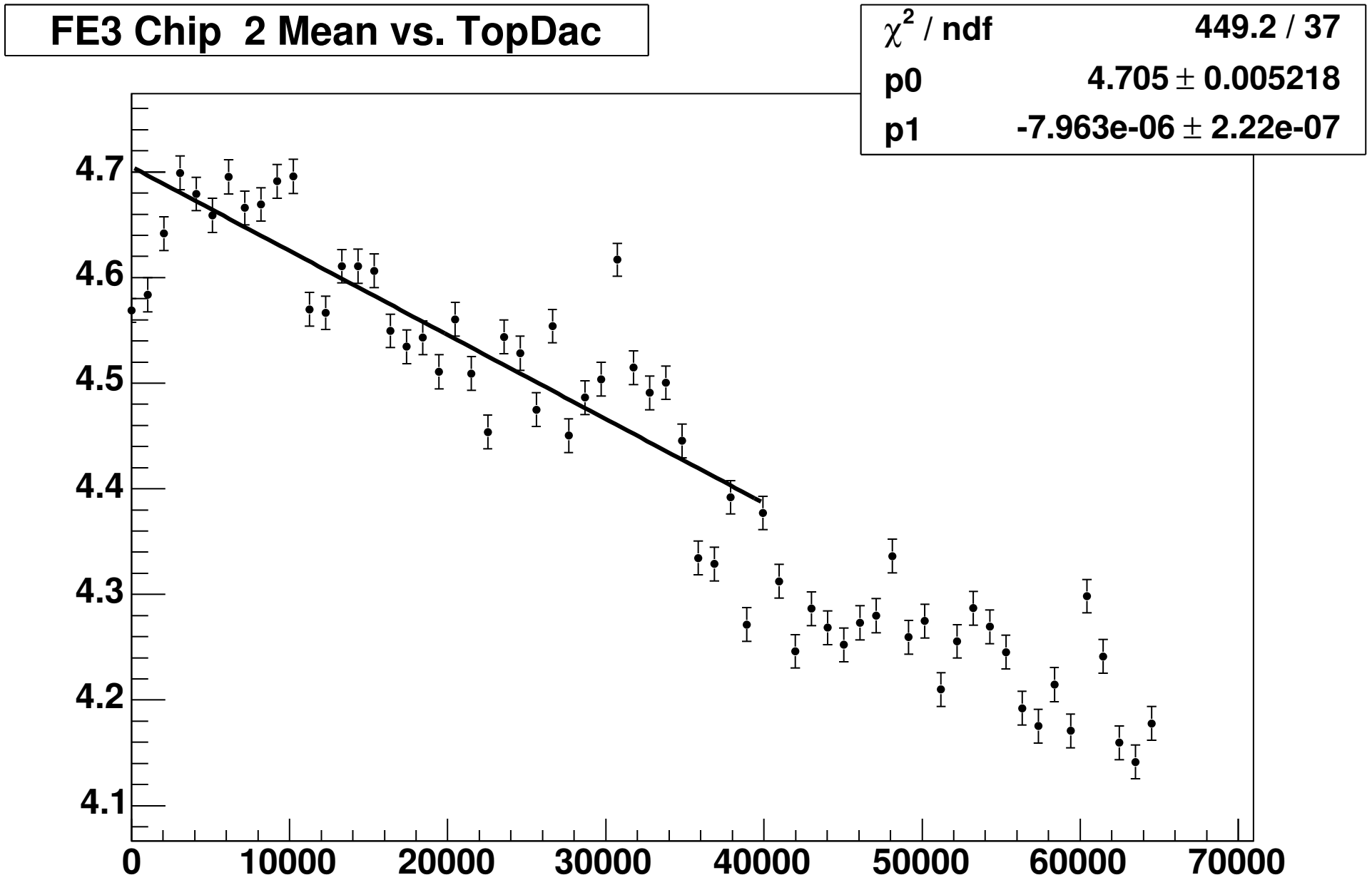
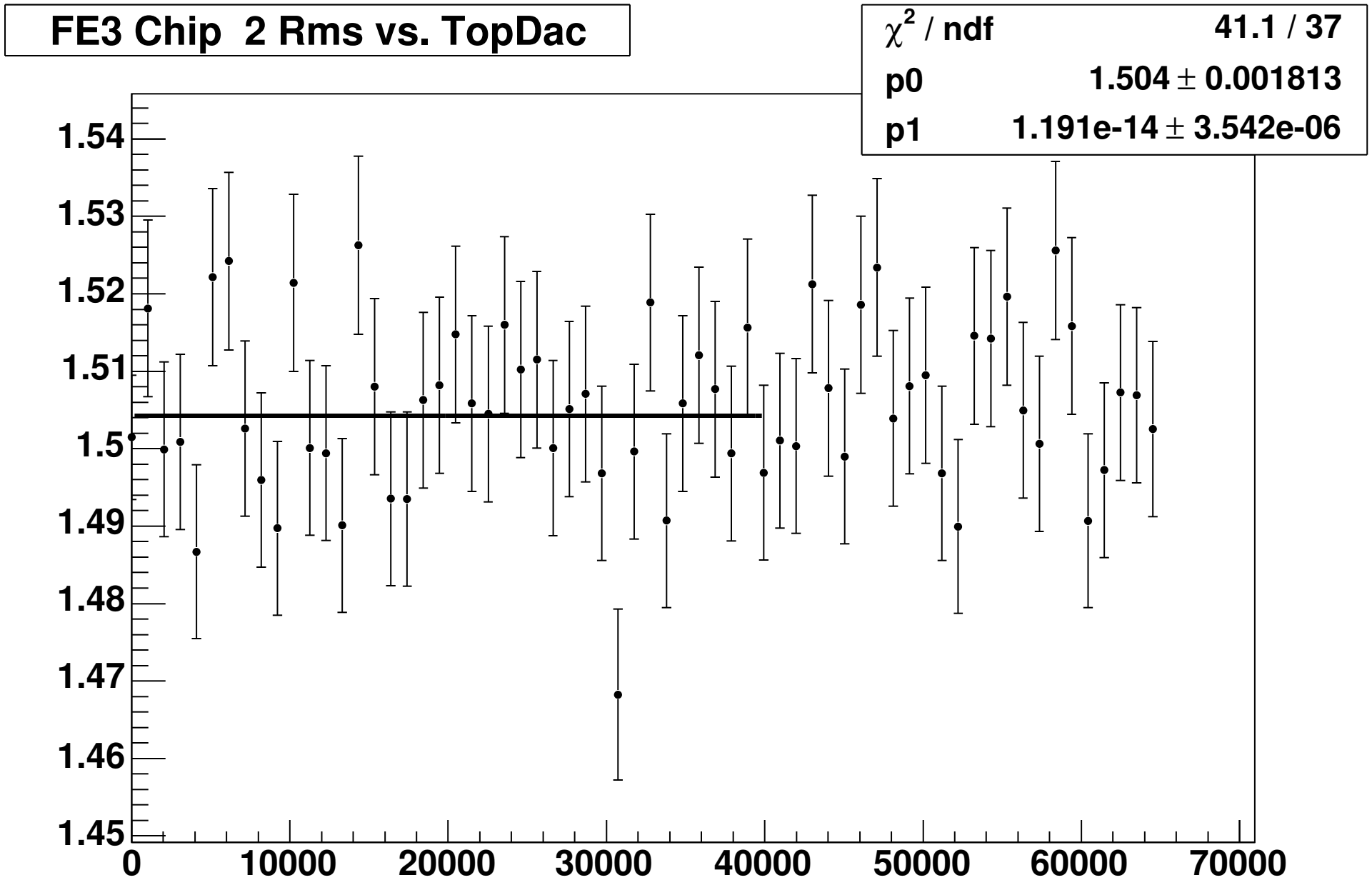
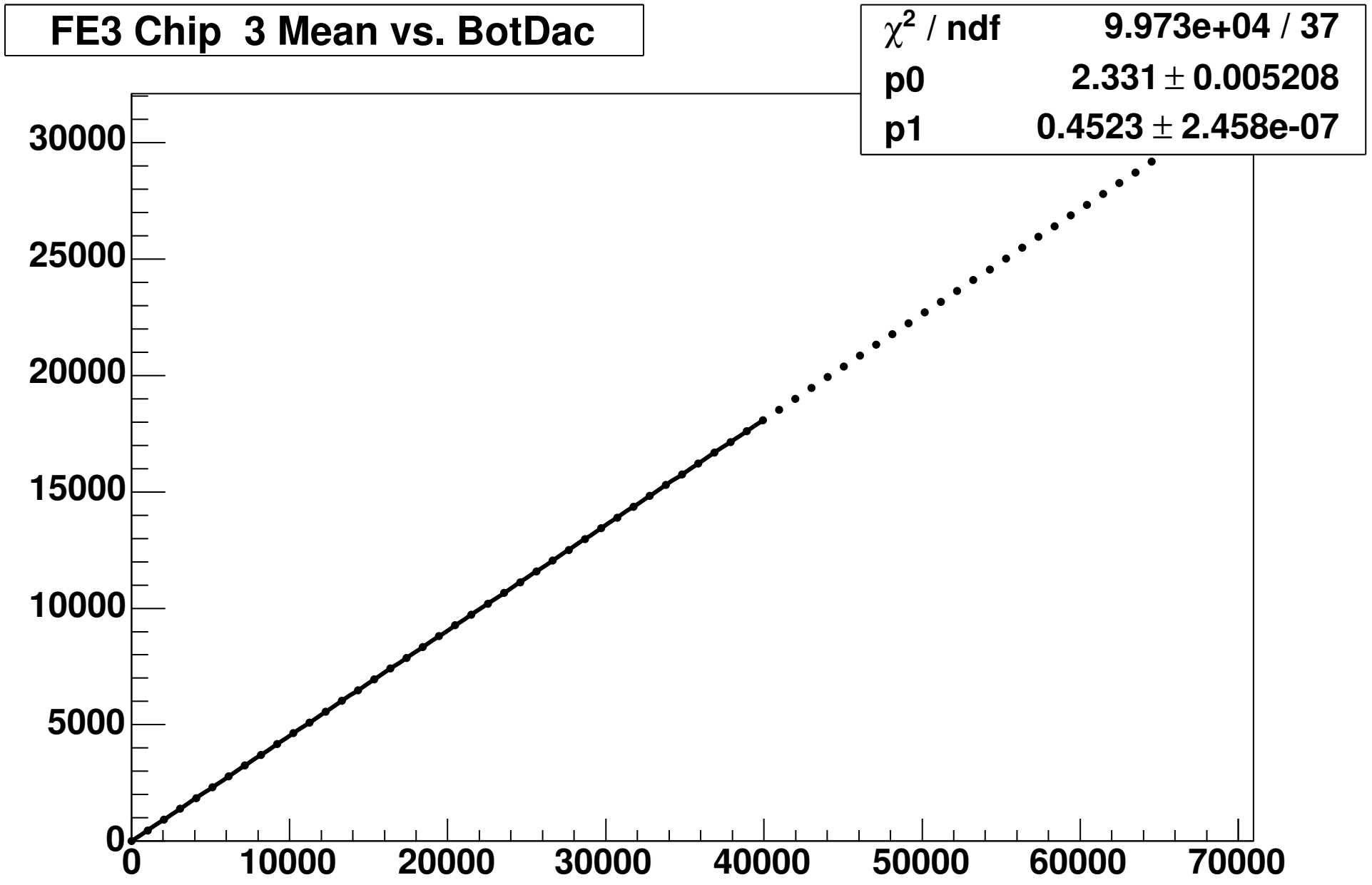
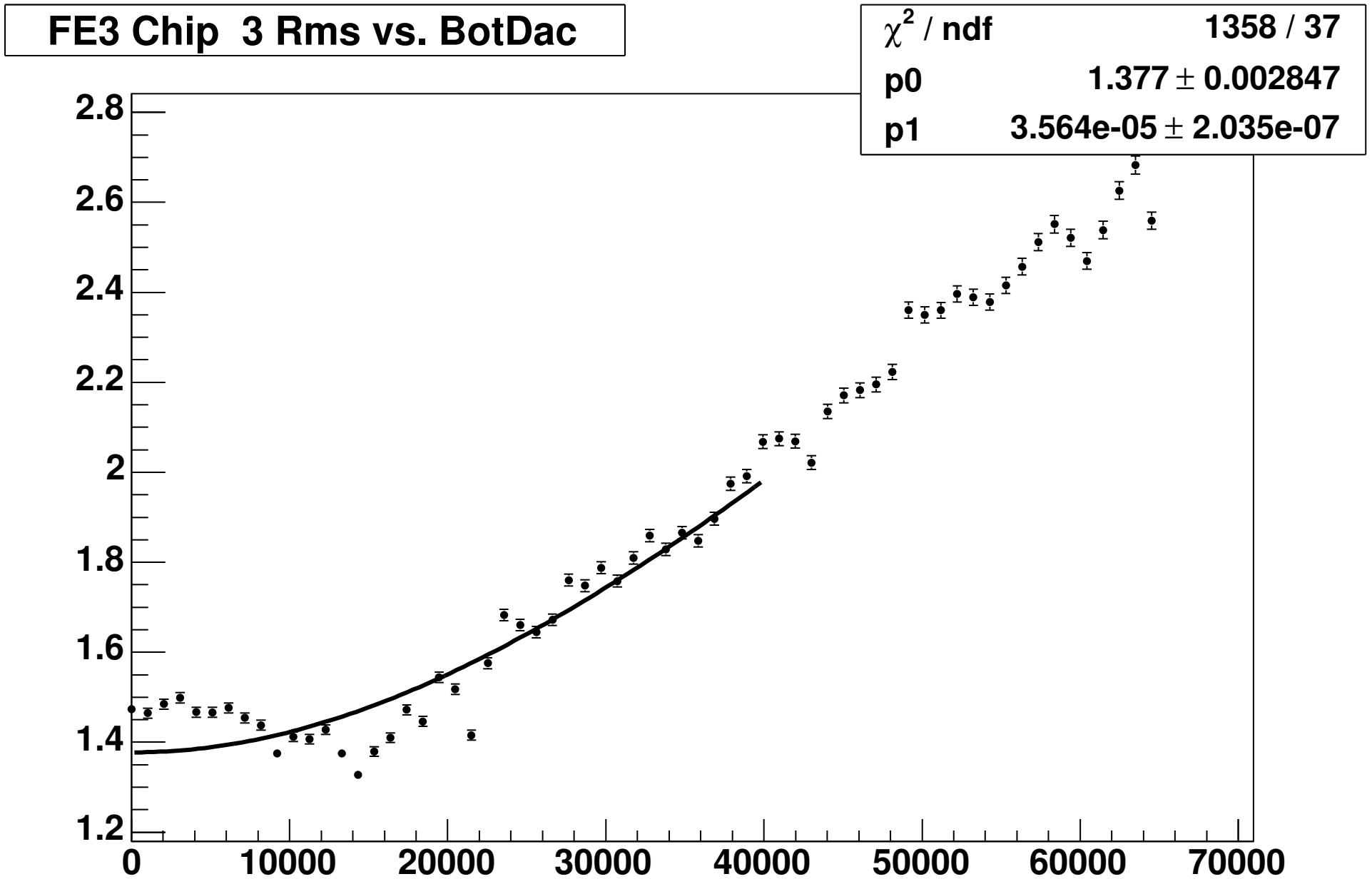

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 449.2 / 37
p0 4.705 ± 0.005218
p1 -7.963e-06 ± 2.22e-07
4.7
4.6
4.5
4.4
4.3
4.2
4.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ^2 / ndf 41.1 / 37
p0 1.504 ± 0.001813
p1 1.191e-14 ± 3.542e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 9.973e+04 / 37
p0 2.331 ± 0.005208
p1 0.4523 ± 2.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1358 / 37
p0 1.377 ± 0.002847
p1 3.564e-05 ± 2.035e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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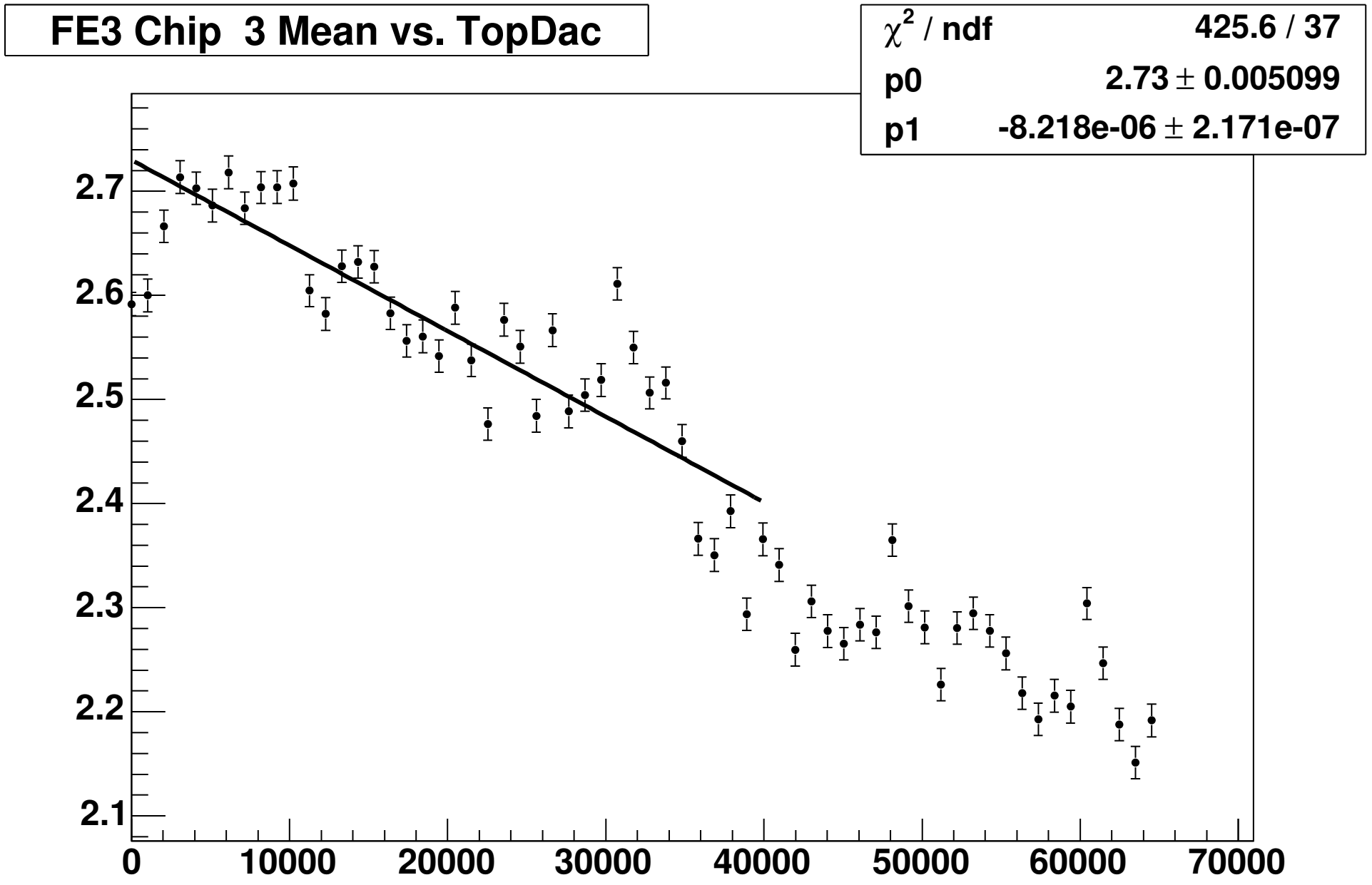
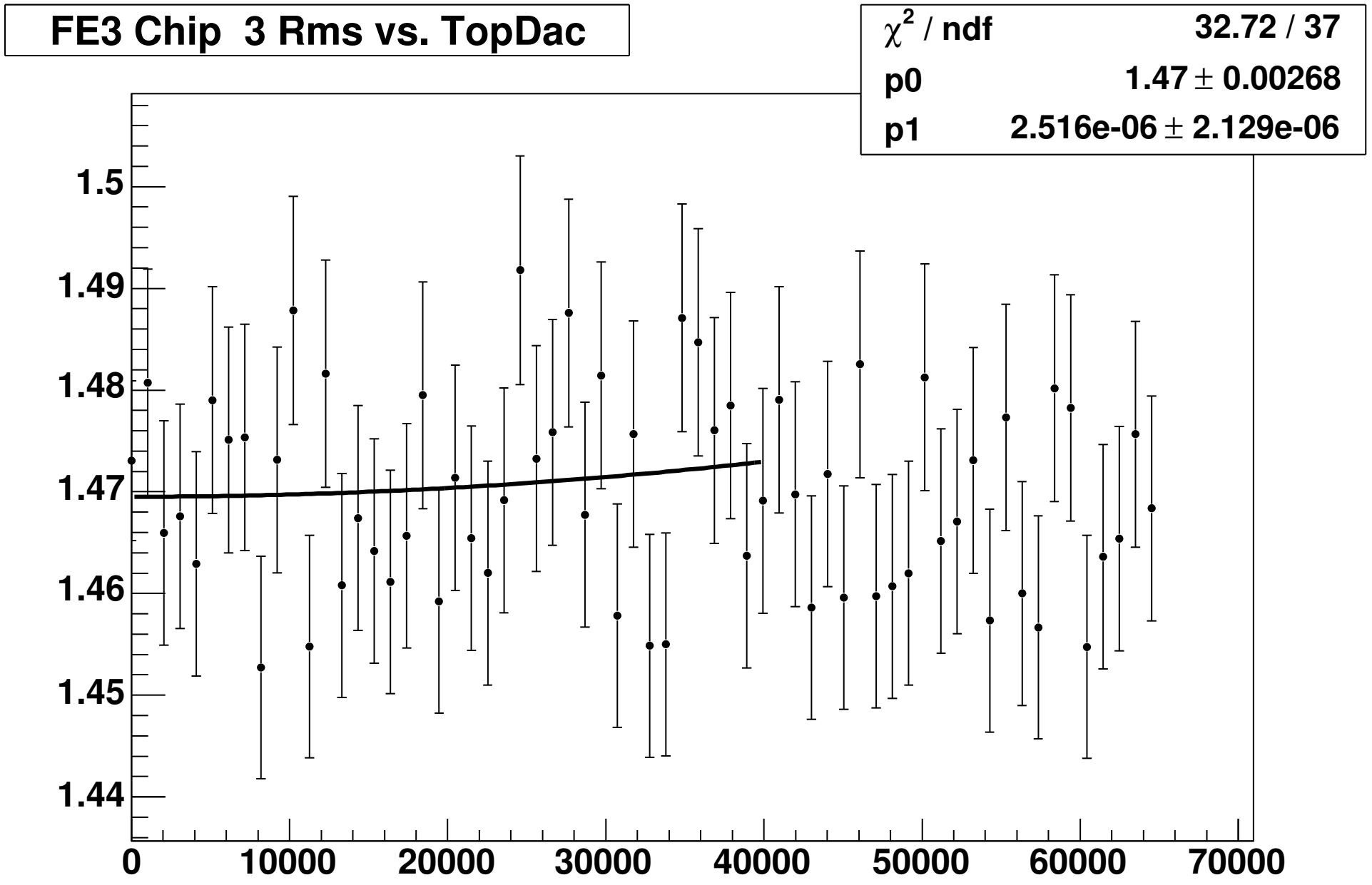
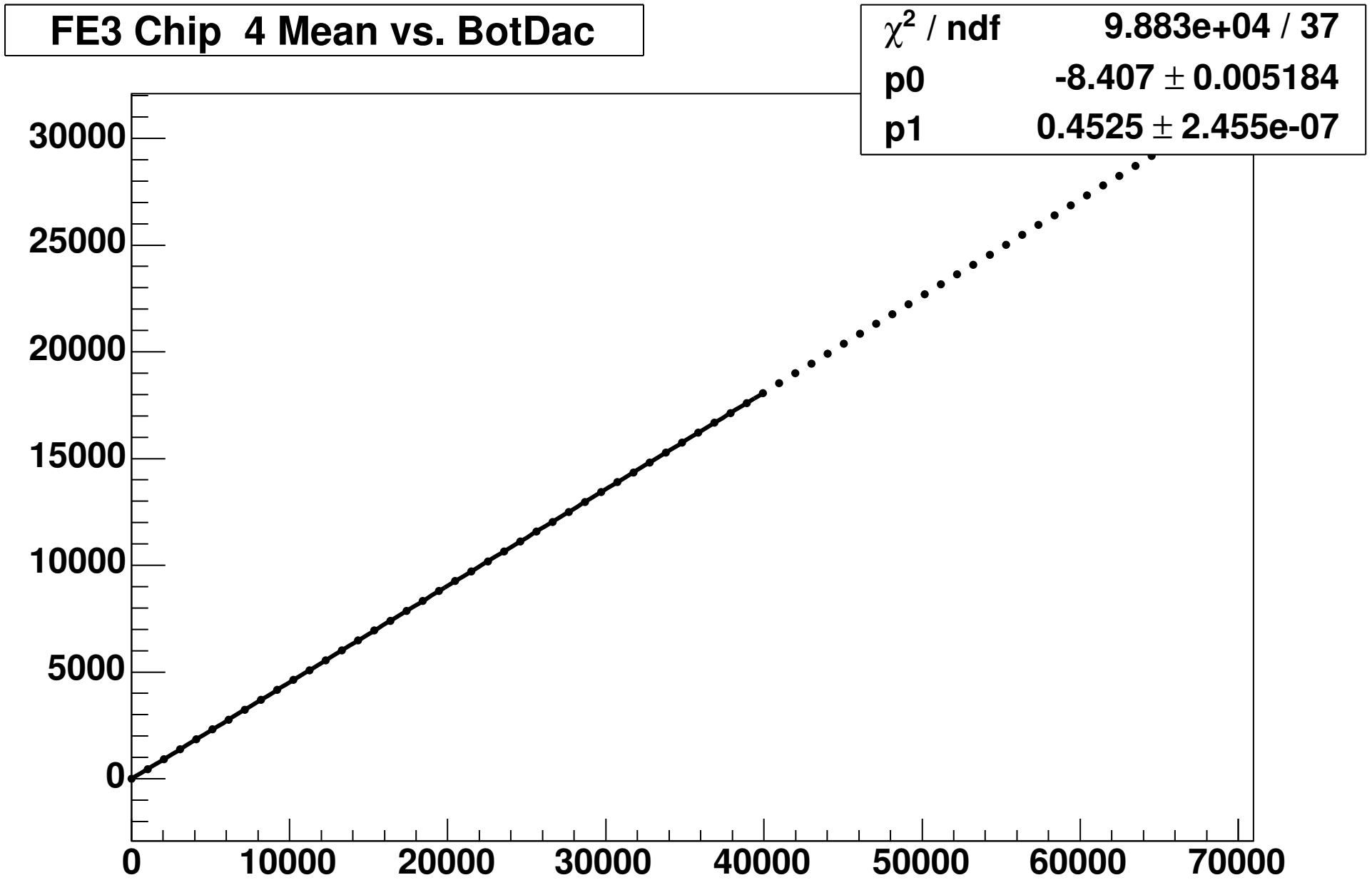
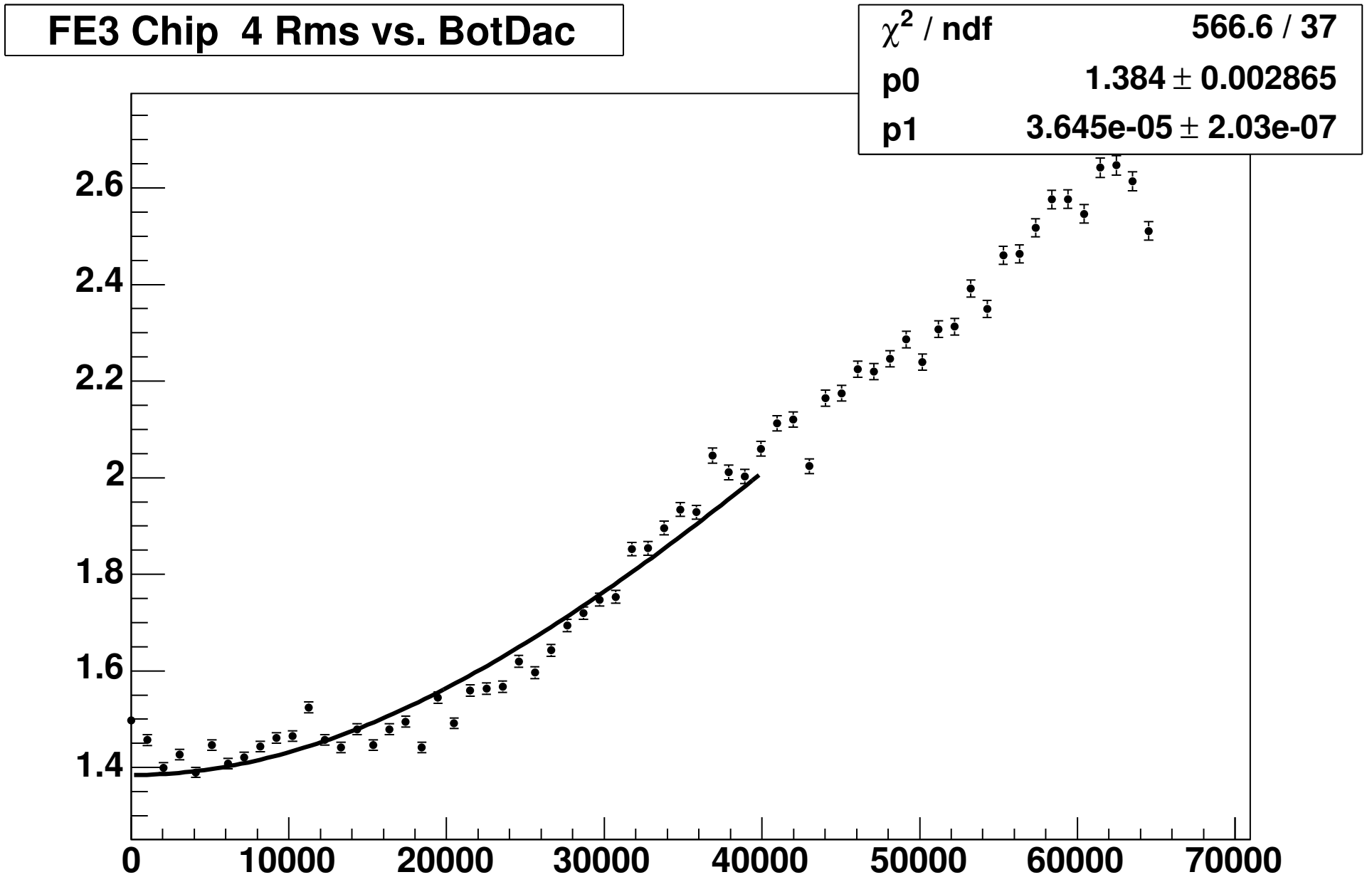

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 425.6 / 37
p0 2.73 ± 0.005099
p1 -8.218e-06 ± 2.171e-07
2.7
2.6
2.5
2.4
2.3
2.2
2.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 32.72 / 37
p0 1.47 ± 0.00268
p1 2.516e-06 ± 2.129e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 9.883e+04 / 37
p0 -8.407 ± 0.005184
p1 0.4525 ± 2.455e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 566.6 / 37
p0 1.384 ± 0.002865
p1 3.645e-05 ± 2.03e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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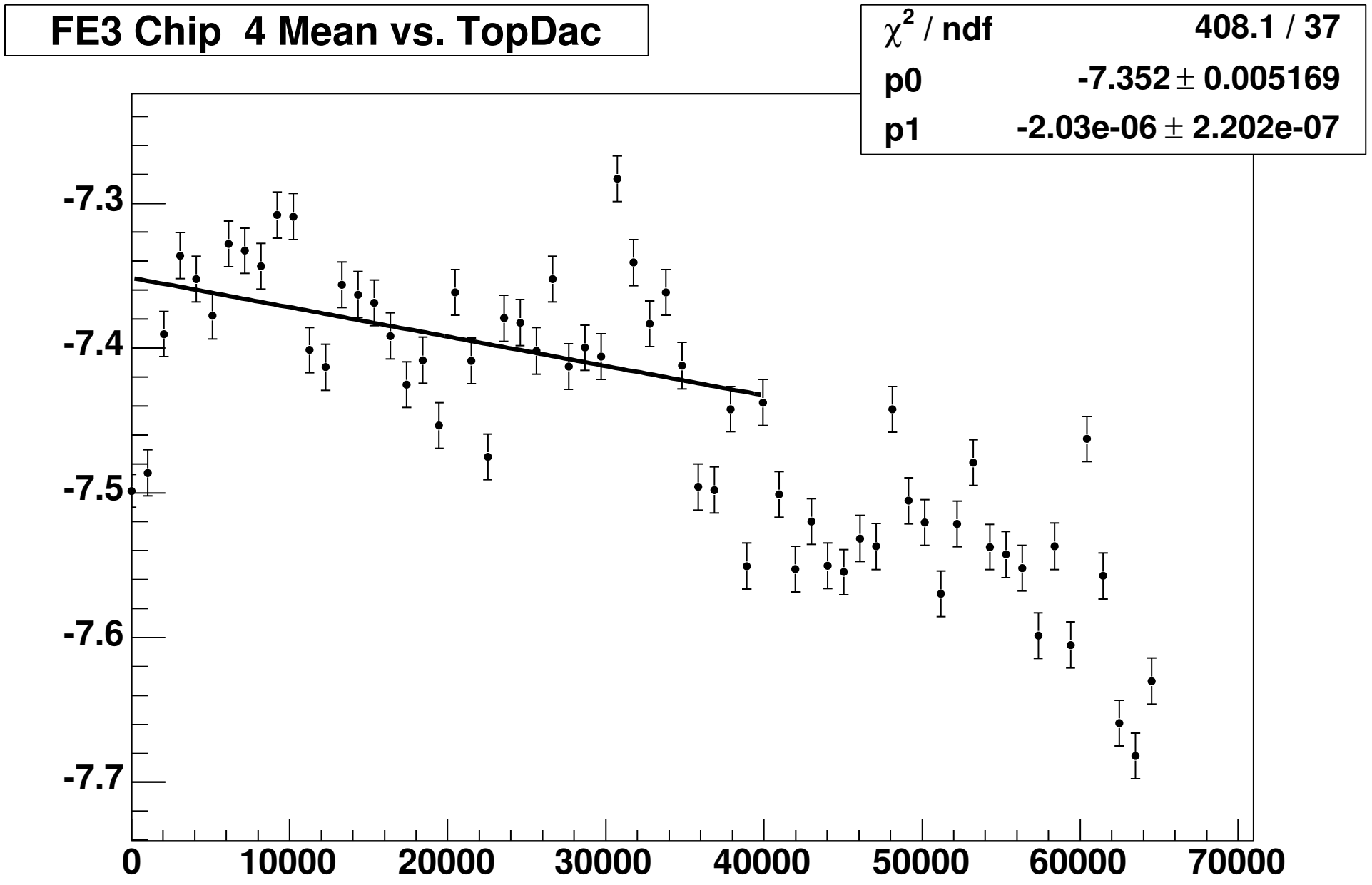
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 408.1 / 37
p0 -7.352 ± 0.005169
p1 -2.03e-06 ± 2.202e-07
-7.3
-7.4
-7.5
-7.6
-7.7
0
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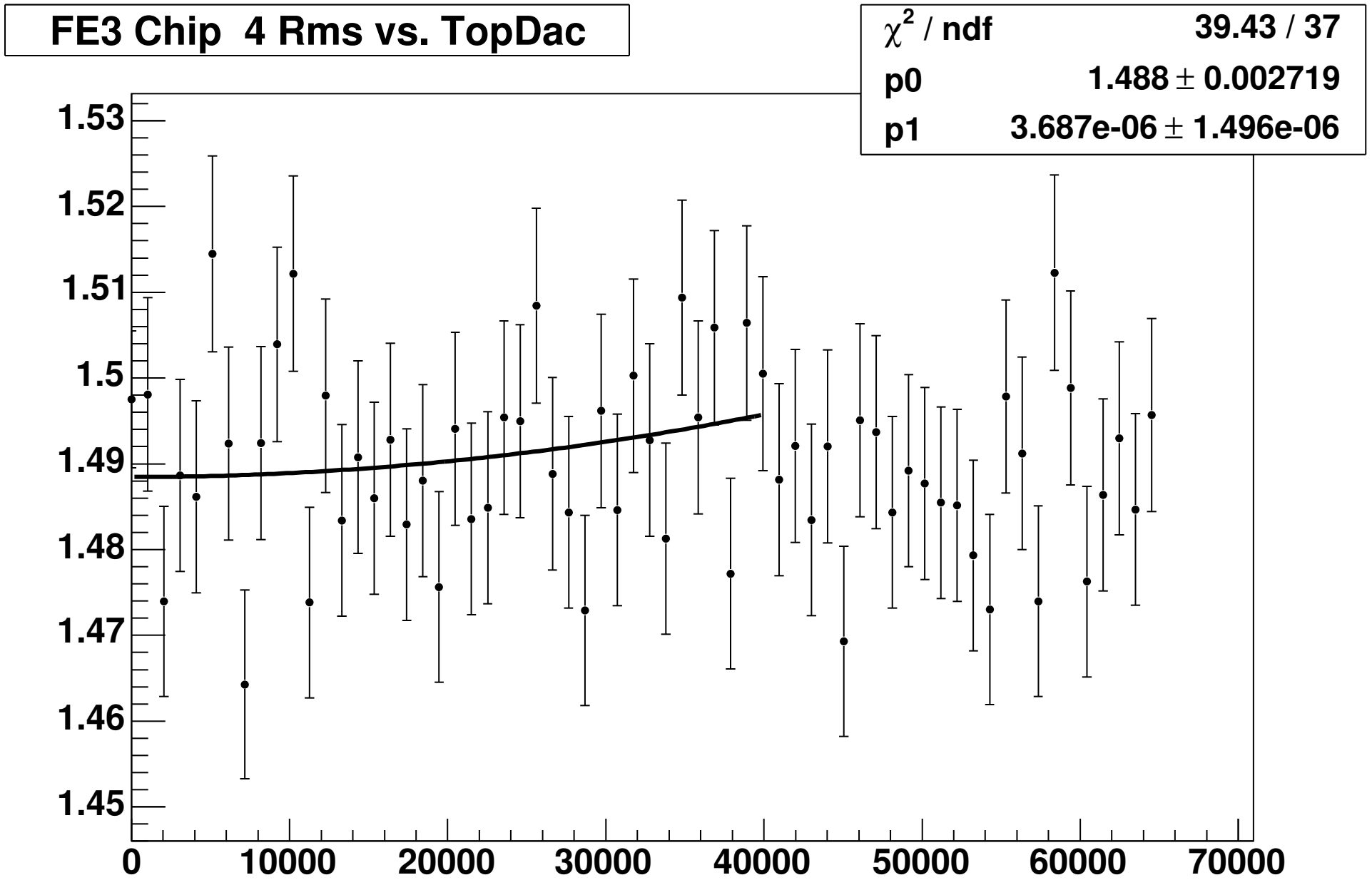
50000
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 39.43 / 37
p0 1.488 ± 0.002719
p1 3.687e-06 ± 1.496e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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60000
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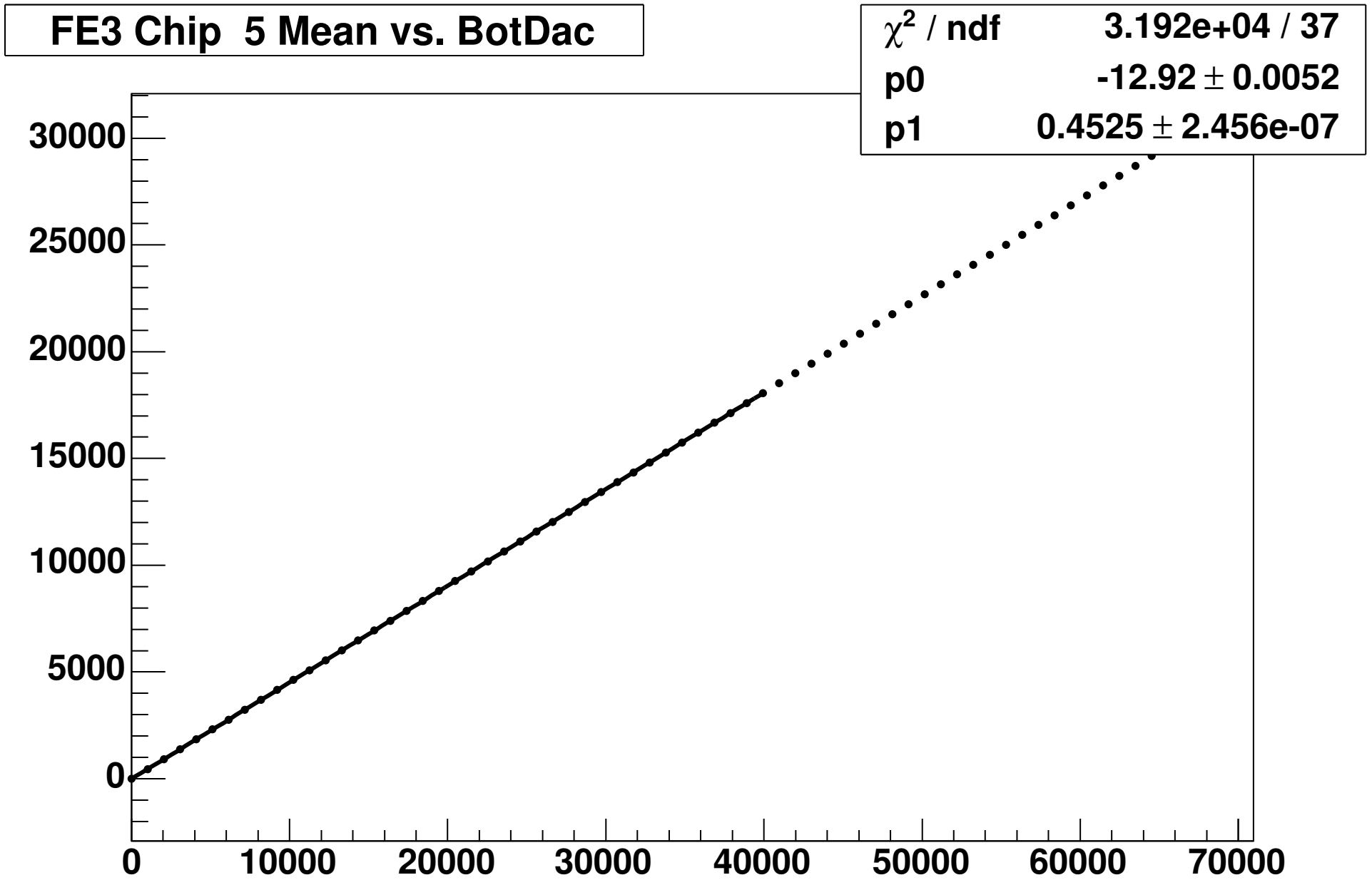
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 3.192e+04 / 37
p0 -12.92 ± 0.0052
p1 0.4525 ± 2.456e-07
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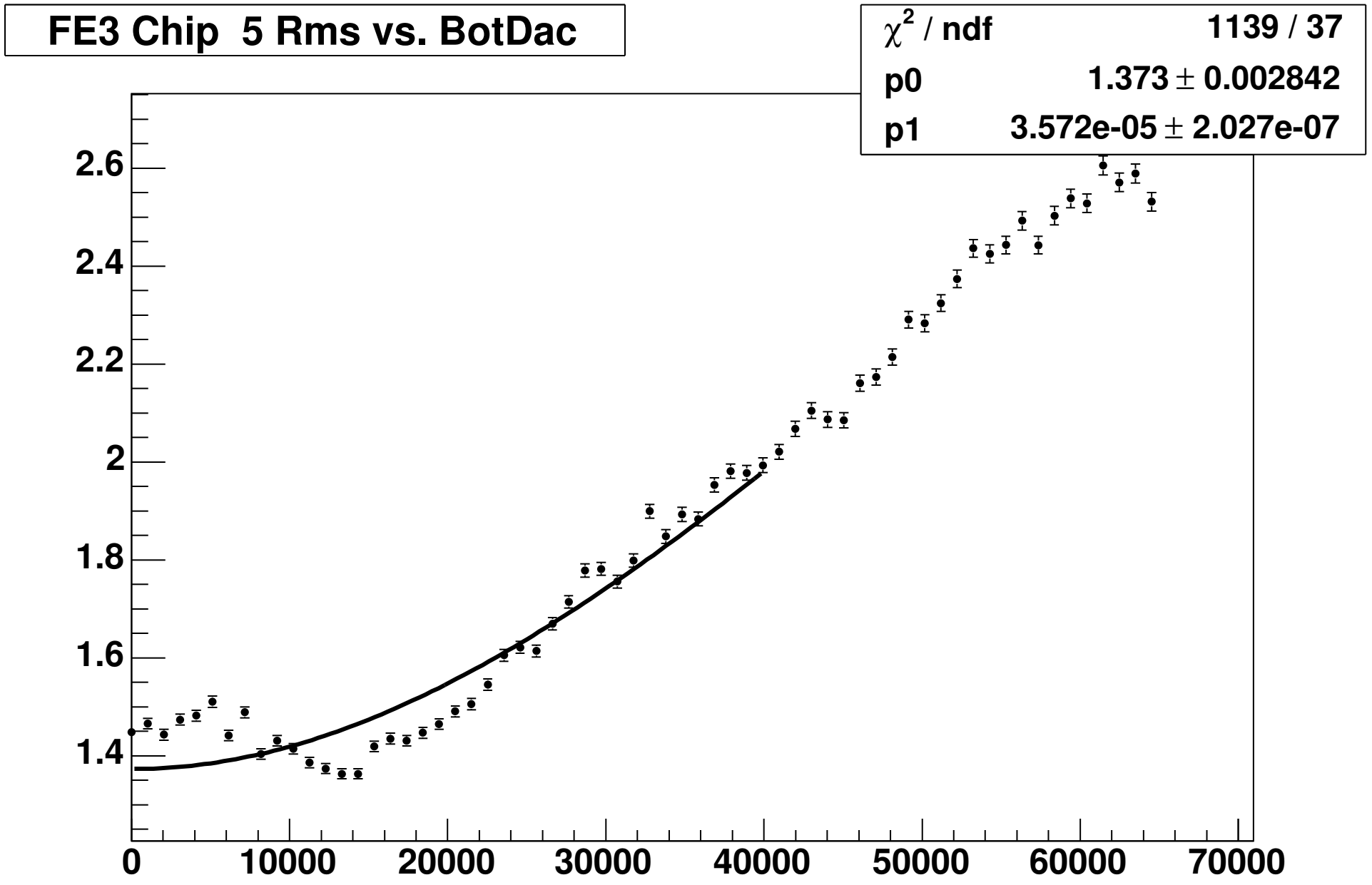
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1139 / 37
p0 1.373 ± 0.002842
p1 3.572e-05 ± 2.027e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
50000
60000
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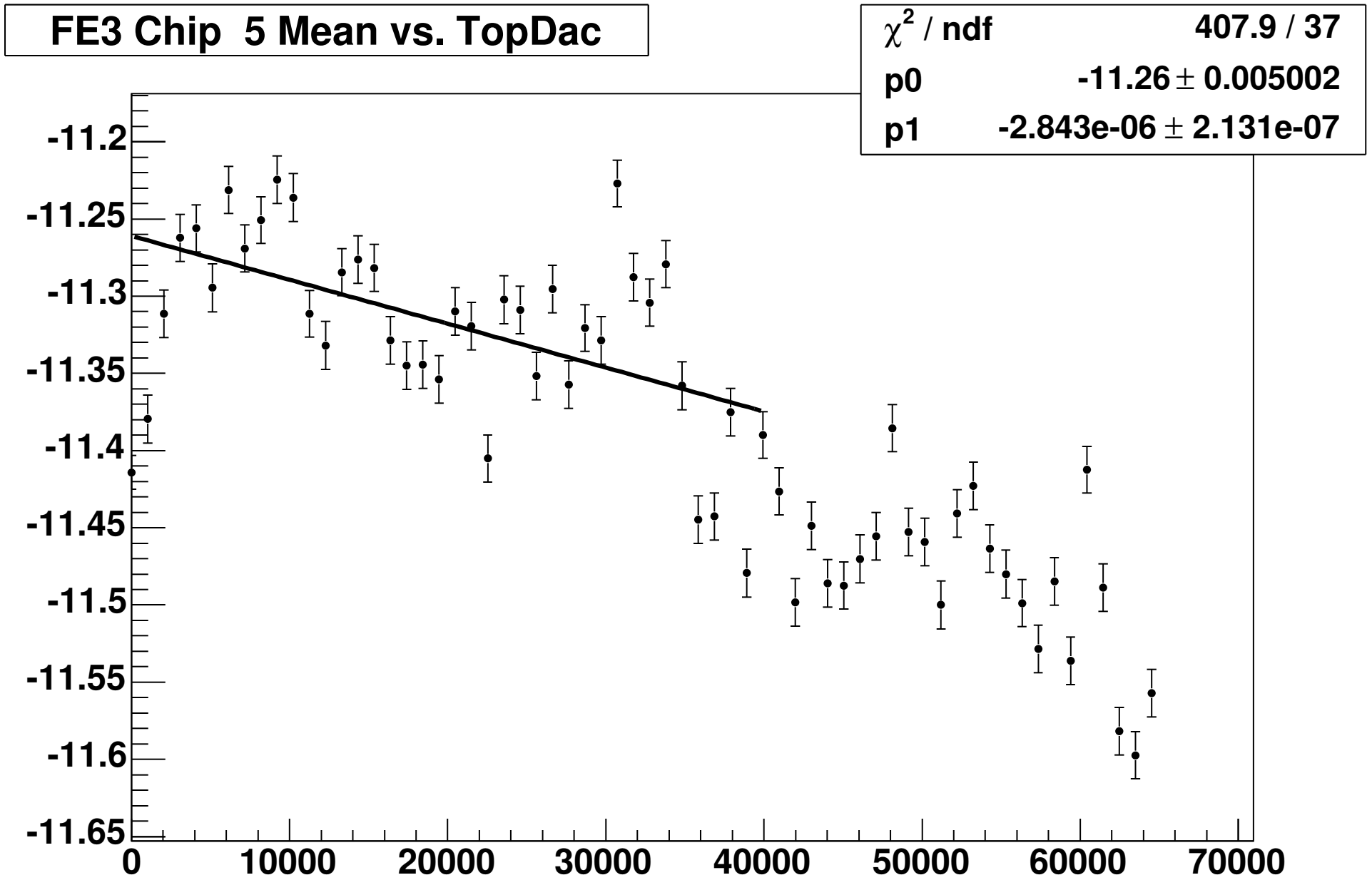
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 407.9 / 37
p0 -11.26 ± 0.005002
p1 -2.843e-06 ± 2.131e-07
-11.2
-11.25
-11.3
-11.35
-11.4
-11.45
-11.5
-11.55
-11.6
-11.65
0
10000
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30000
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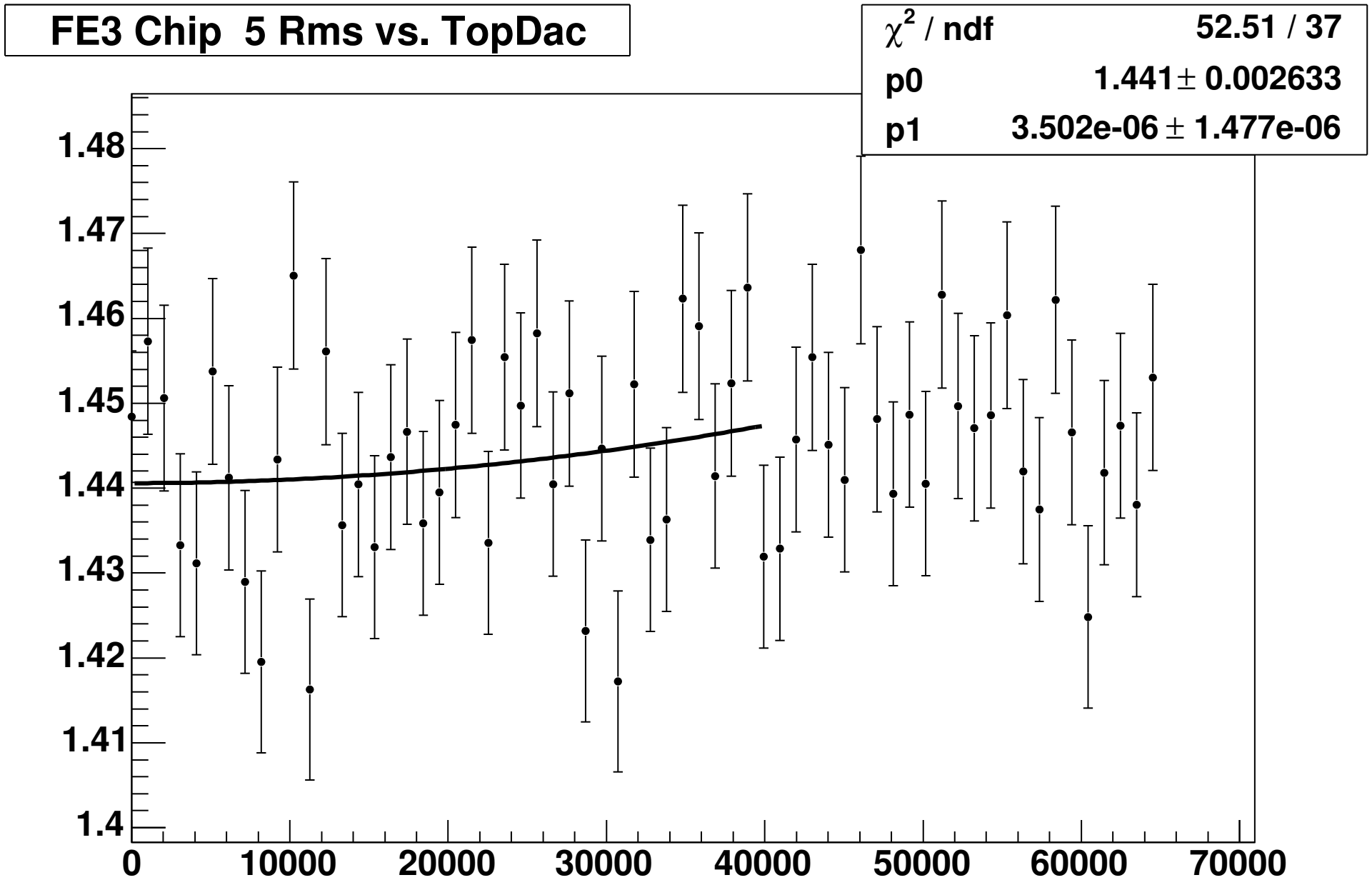
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 52.51 / 37
p0 1.441 ± 0.002633
p1 3.502e-06 ± 1.477e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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60000
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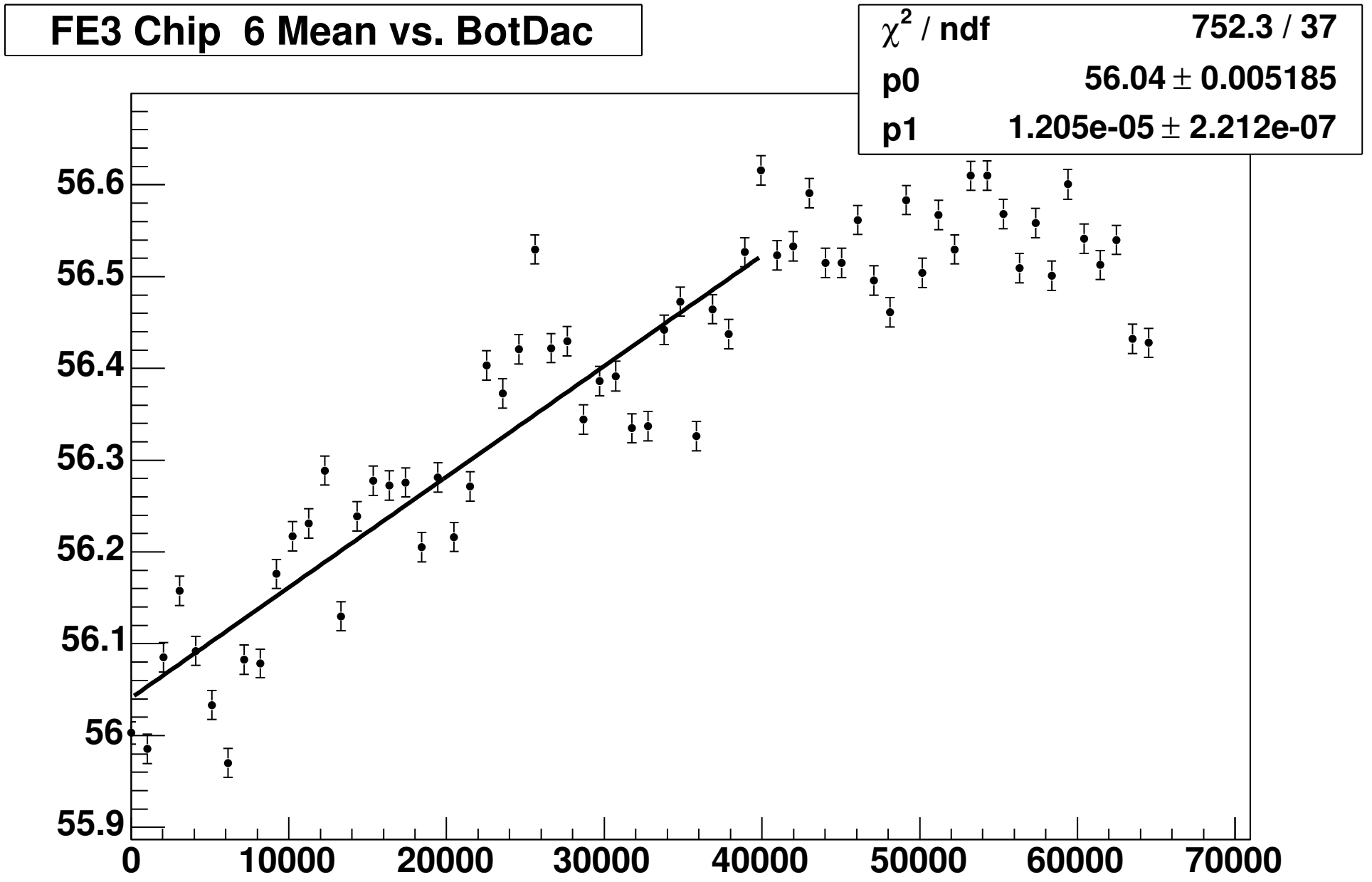
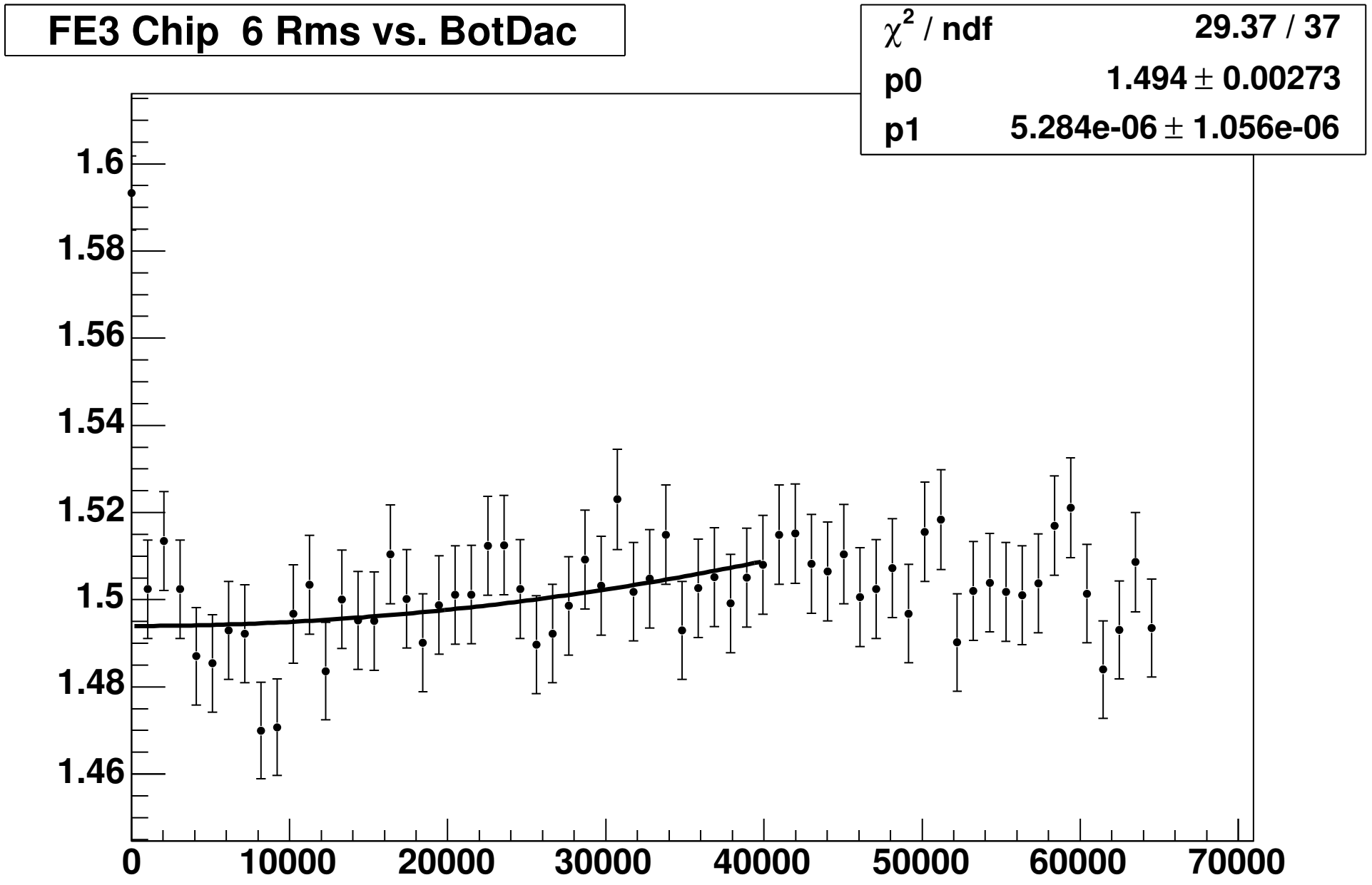
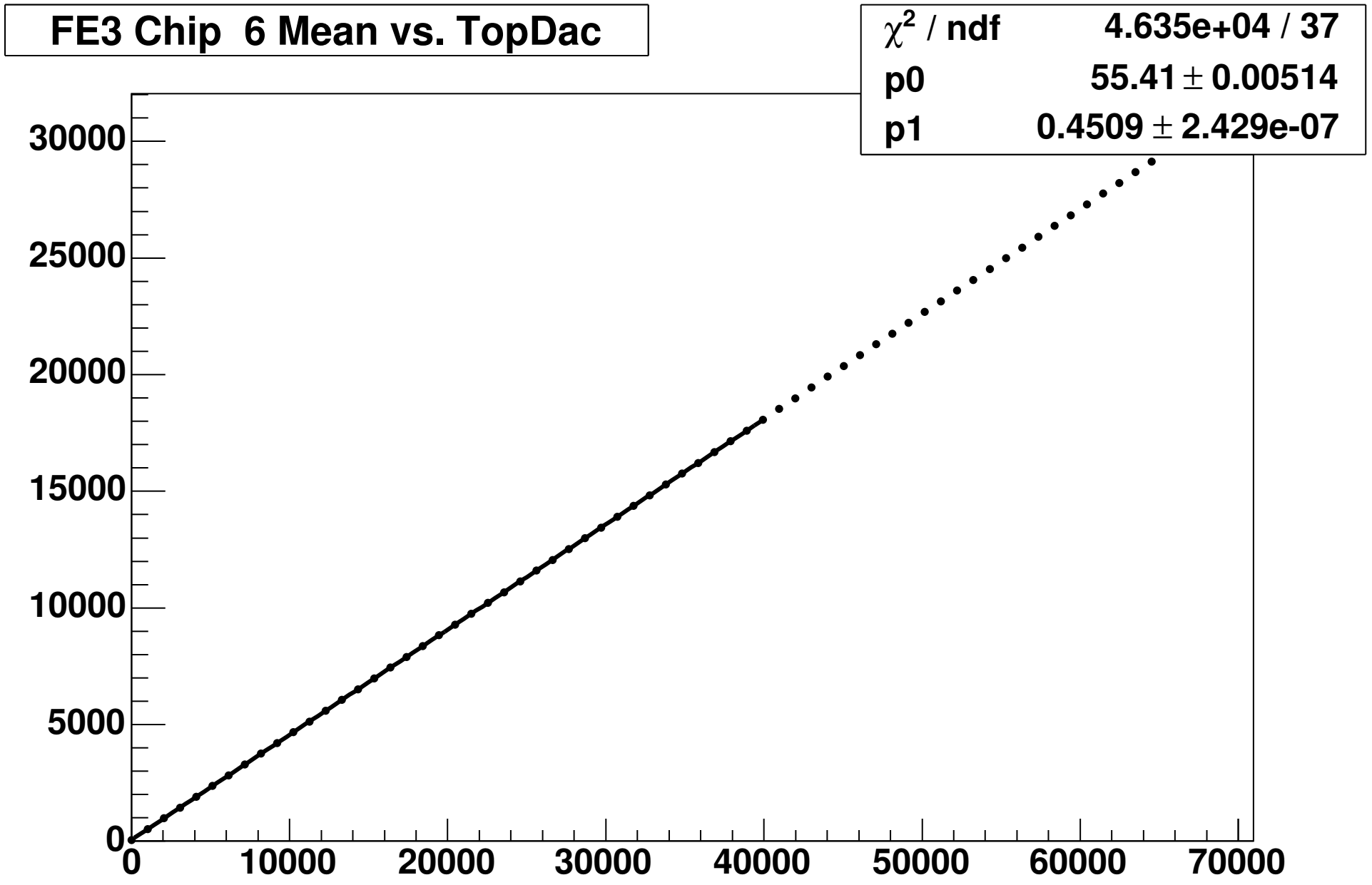

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 752.3 / 37
p0 56.04 ± 0.005185
p1 1.205e-05 ± 2.212e-07
56.6
56.5
56.4
56.3
56.2
56.1
56
55.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 29.37 / 37
p0 1.494 ± 0.00273
p1 5.284e-06 ± 1.056e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 4.635e+04 / 37
p0 55.41 ± 0.00514
p1 0.4509 ± 2.429e-07
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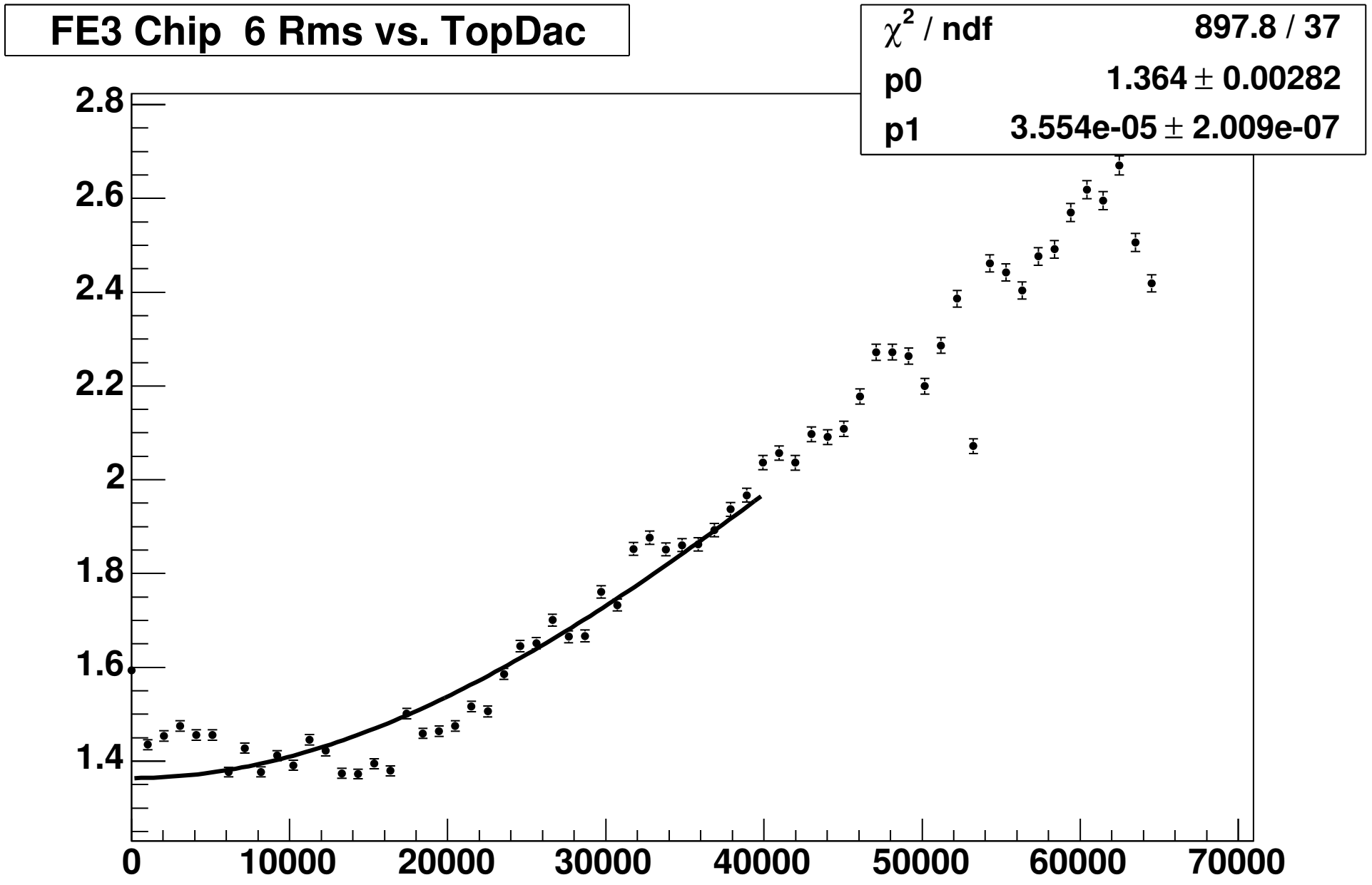
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 897.8 / 37
p0 1.364 ± 0.00282
p1 3.554e-05 ± 2.009e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
40000
50000
60000
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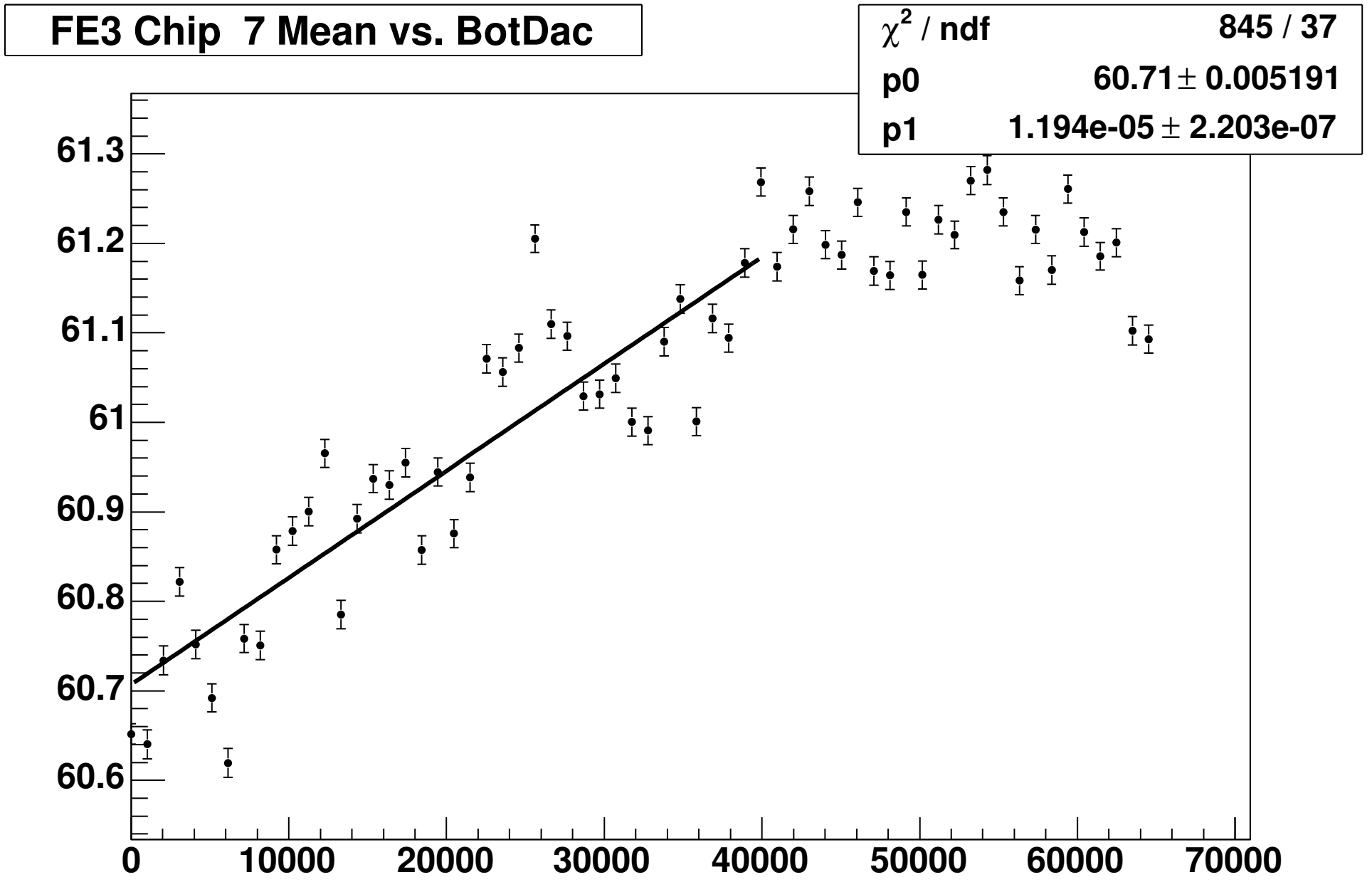
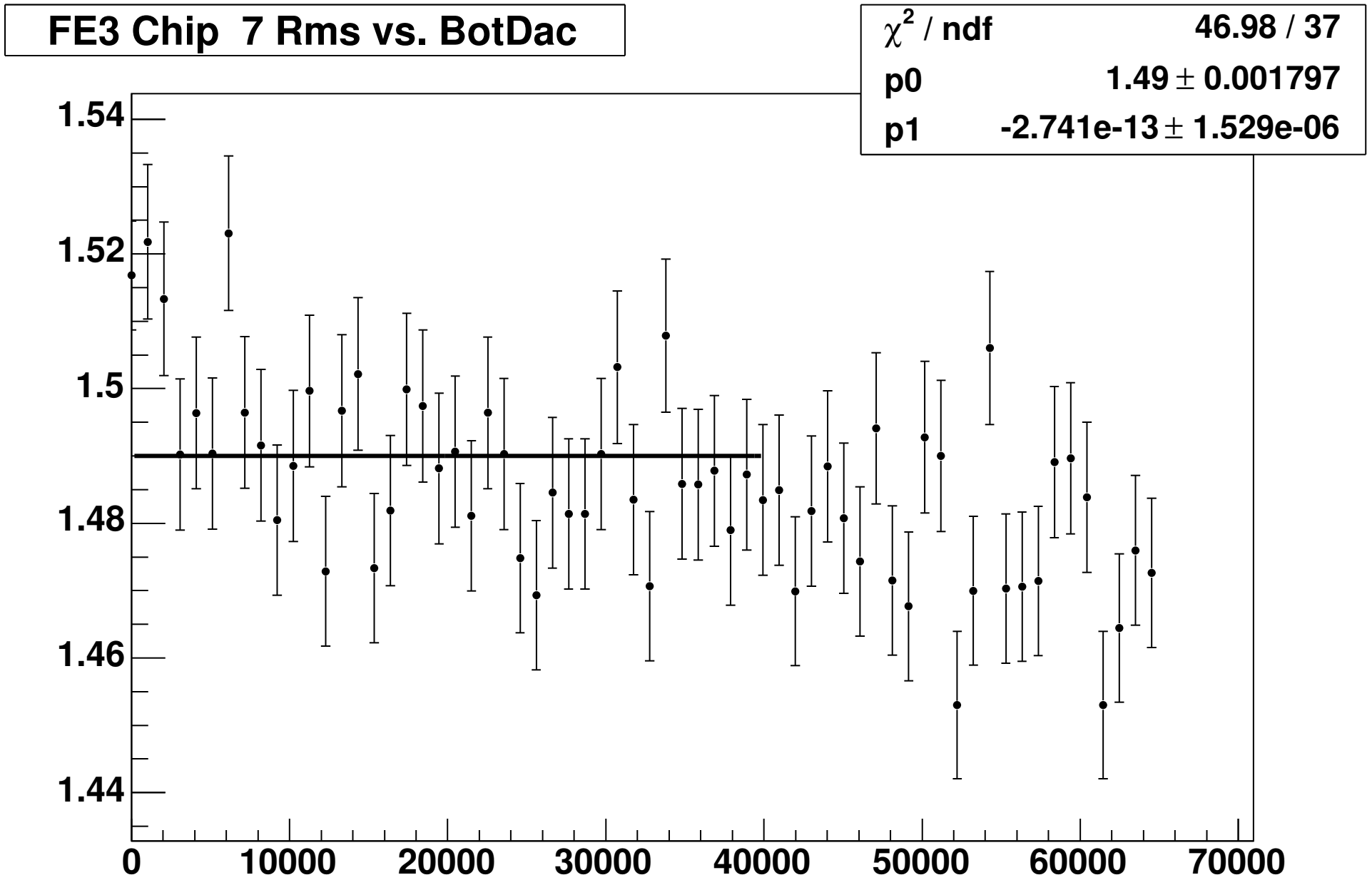
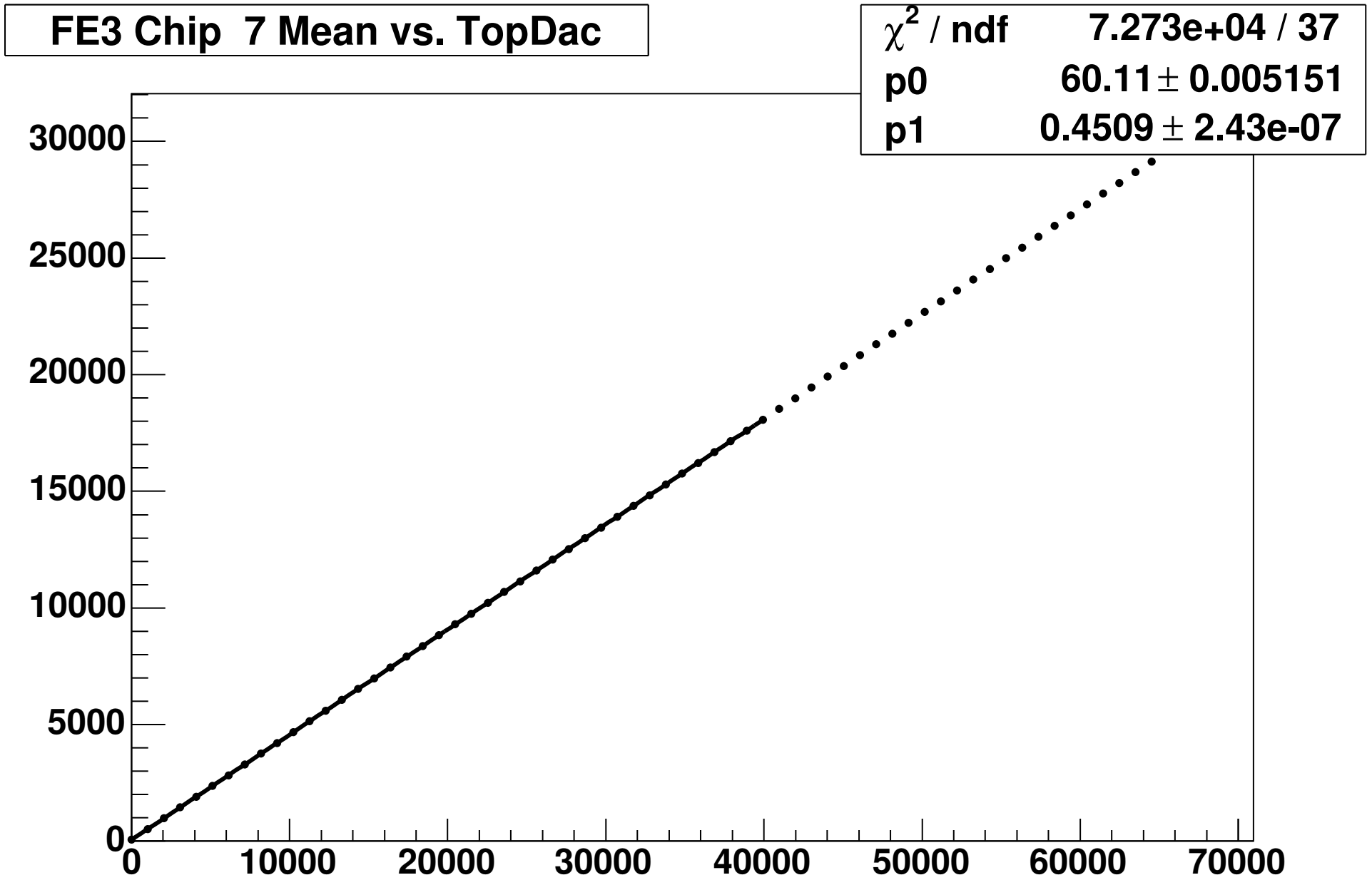
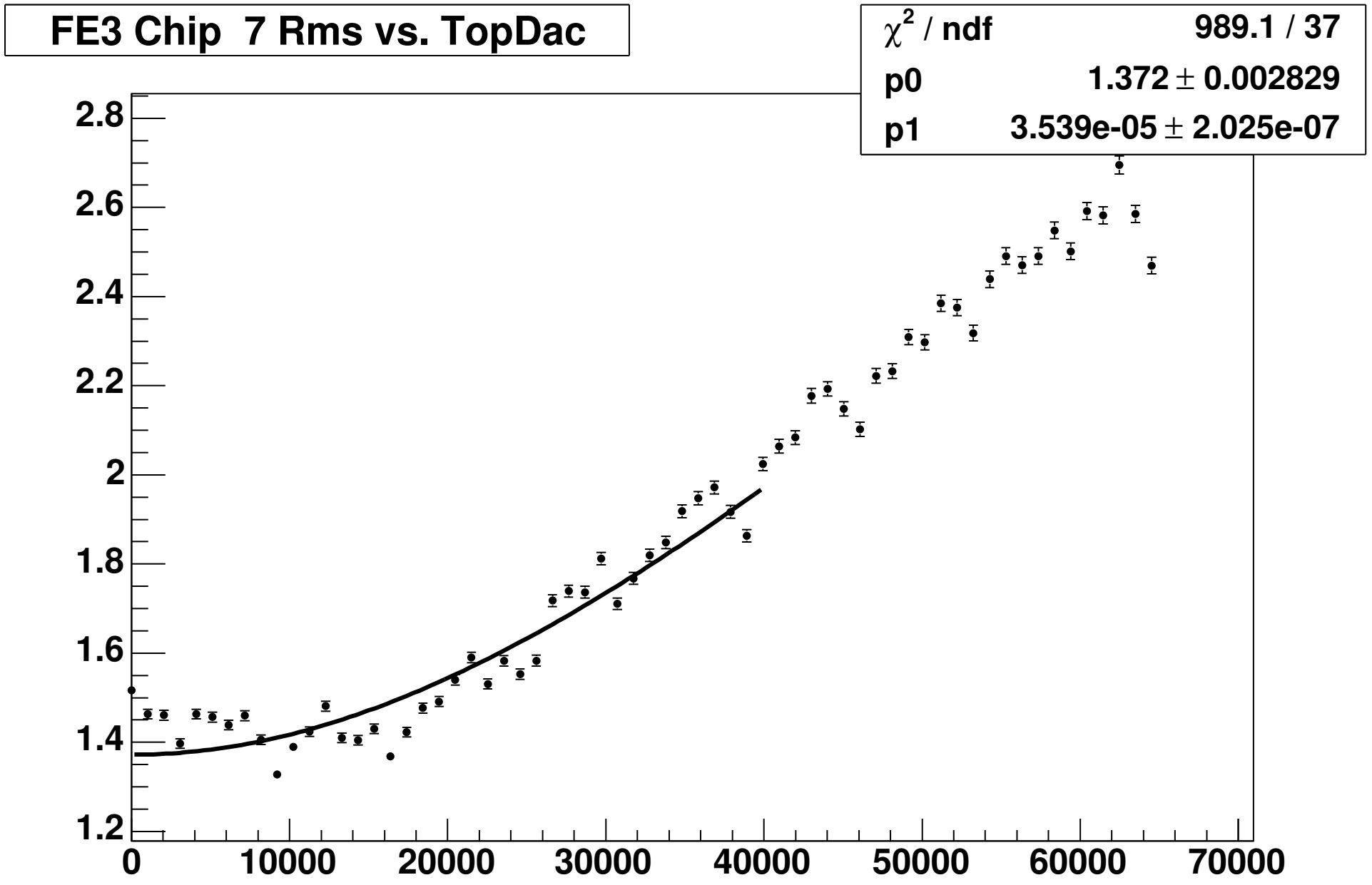

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 845 / 37
p0 60.71 ± 0.005191
p1 1.194e-05 ± 2.203e-07
61.3
61.2
61.1
61
60.9
60.8
60.7
60.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 46.98 / 37
p0 1.49 ± 0.001797
p1 -2.741e-13 ± 1.529e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ^2 / ndf 7.273e+04 / 37
p0 60.11 ± 0.005151
p1 0.4509 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 989.1 / 37
p0 1.372 ± 0.002829
p1 3.539e-05 ± 2.025e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
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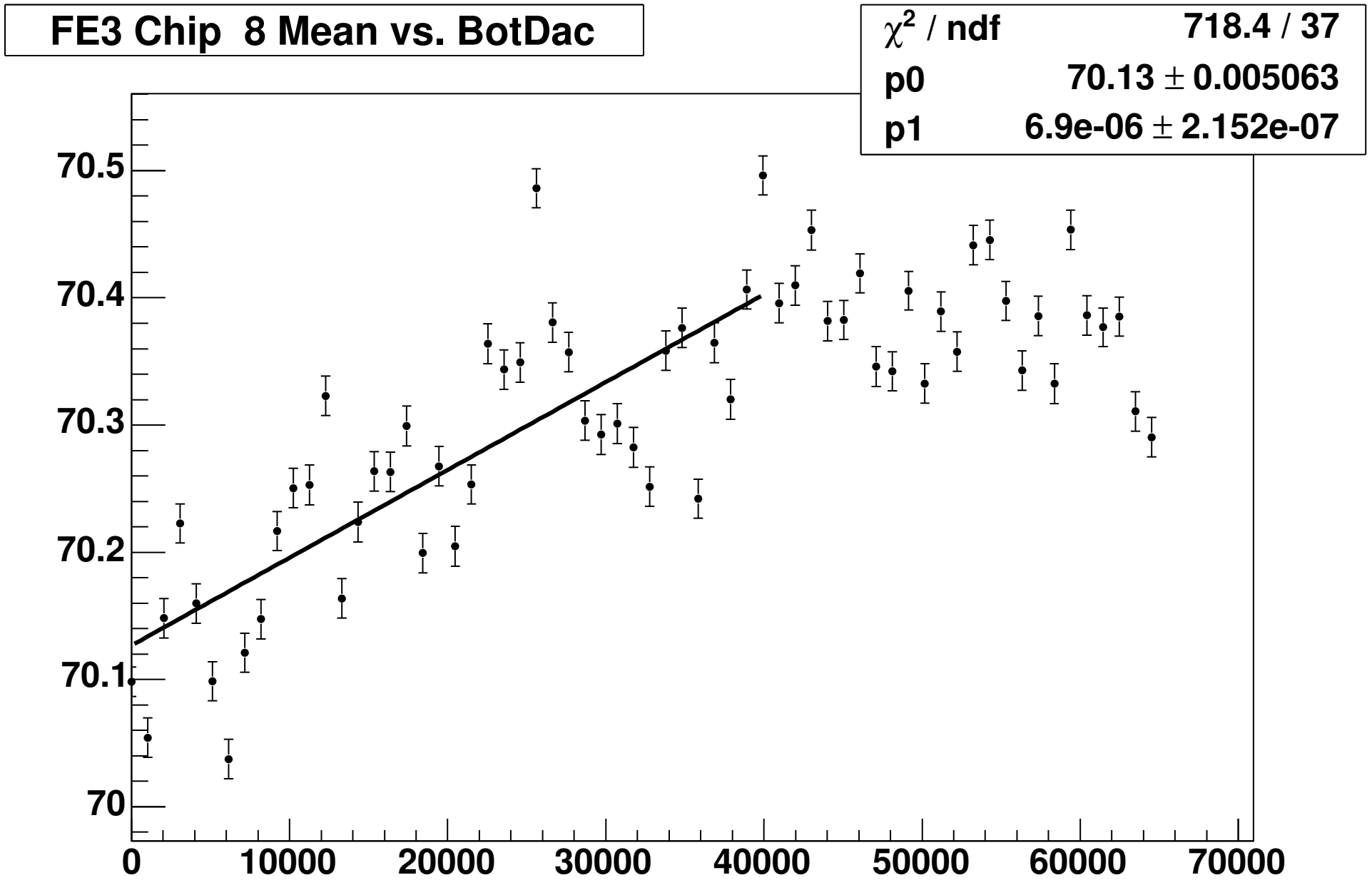
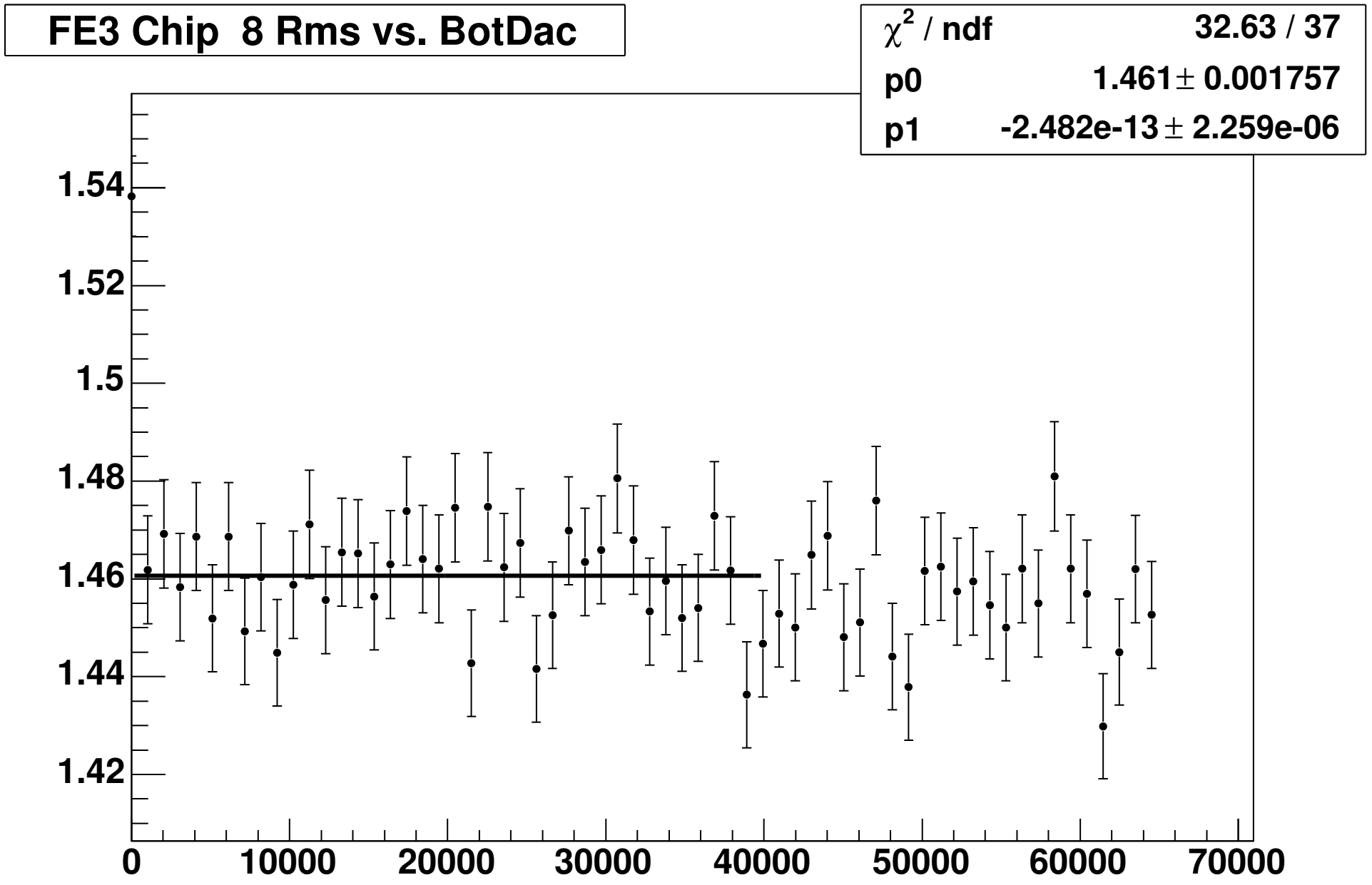

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 718.4 / 37
p0 70.13 ± 0.005063
p1 6.9e-06 ± 2.152e-07
70.5
70.4
70.3
70.2
70.1
70
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 32.63 / 37
p0 1.461 ± 0.001757
p1 -2.482e-13 ± 2.259e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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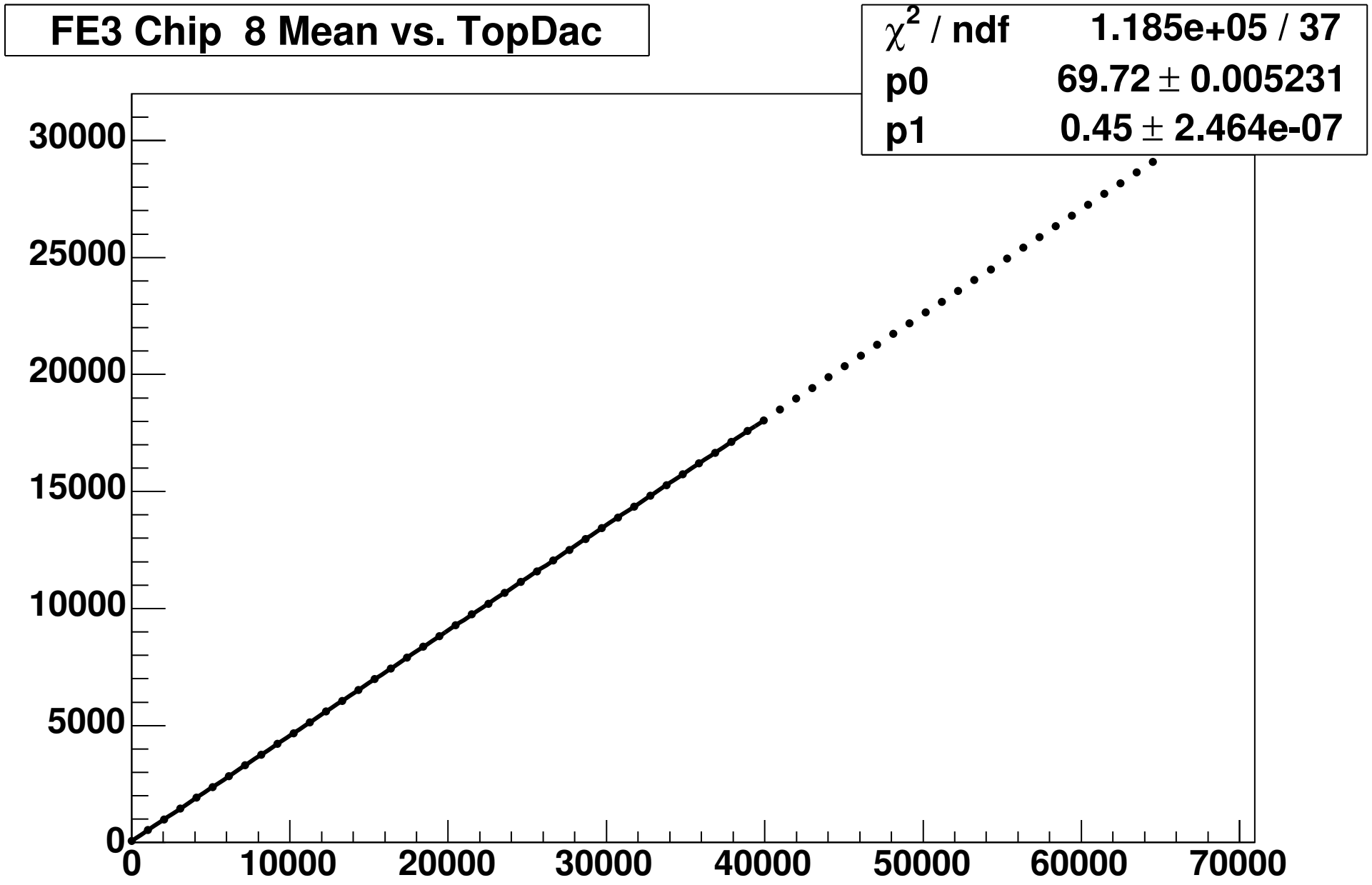
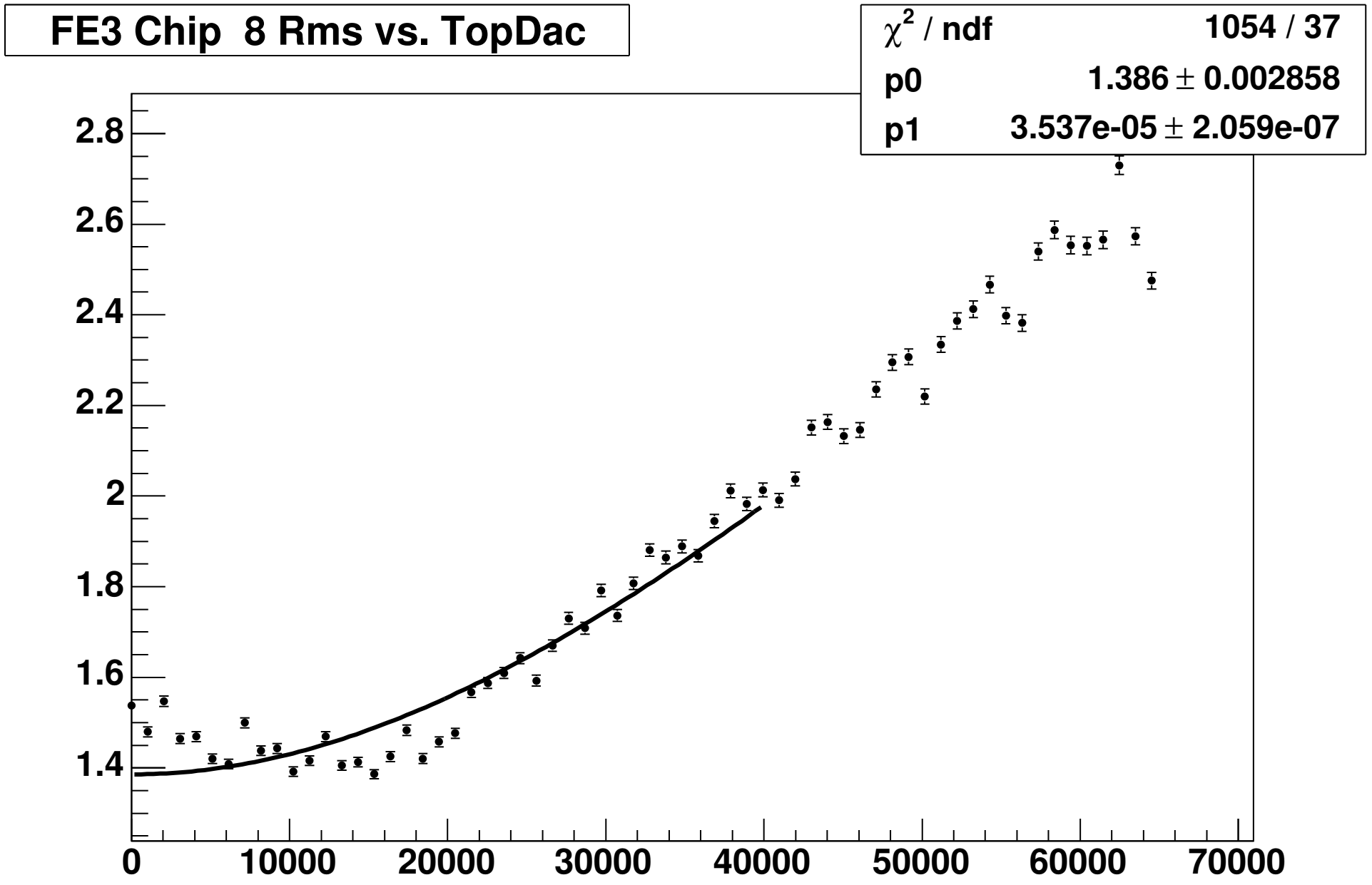
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ^2 / ndf 1.185e+05 / 37
p0 69.72 ± 0.005231
p1 0.45 ± 2.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 1054 / 37
p0 1.386 ± 0.002858
p1 3.537e-05 ± 2.059e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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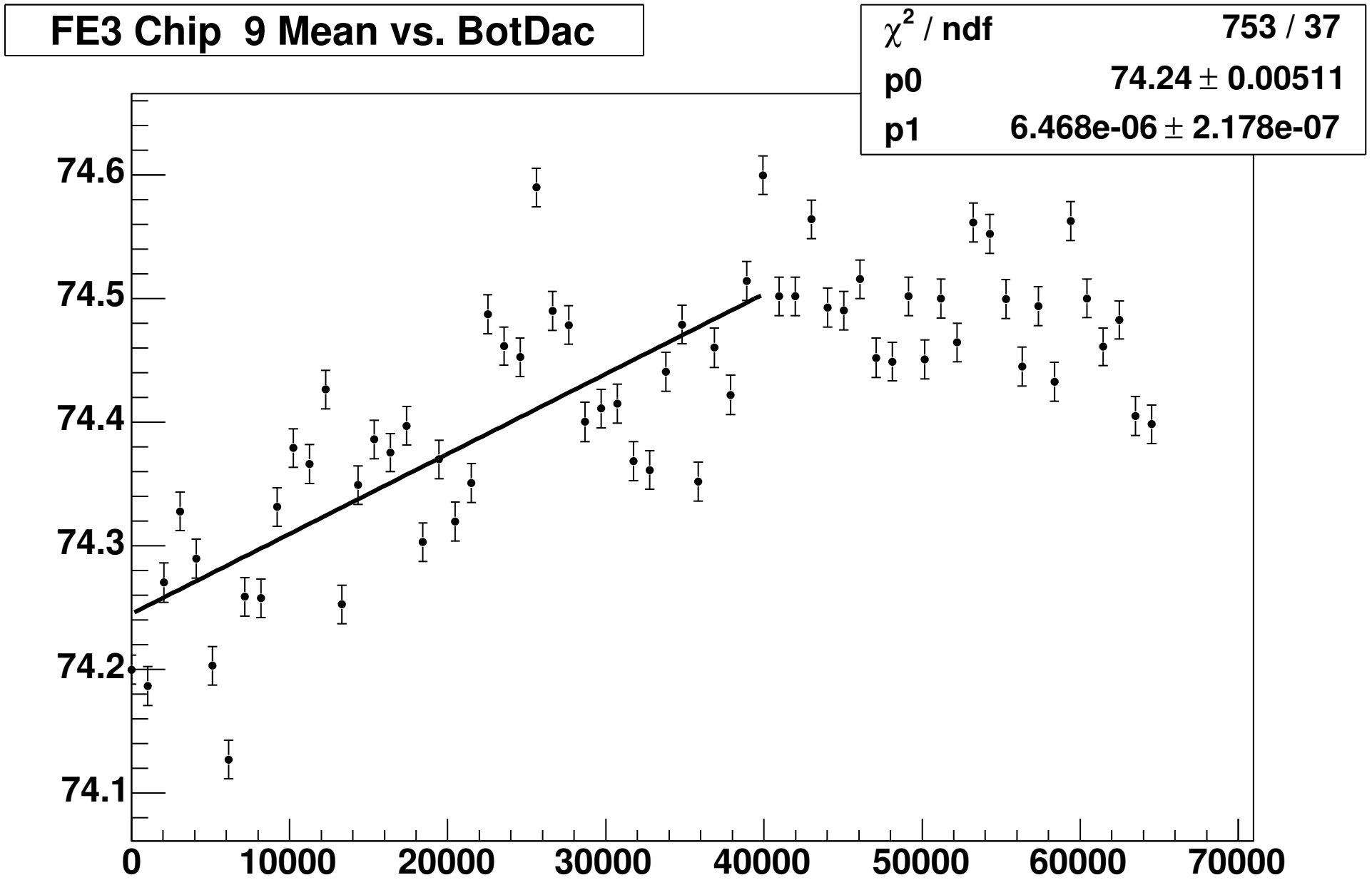
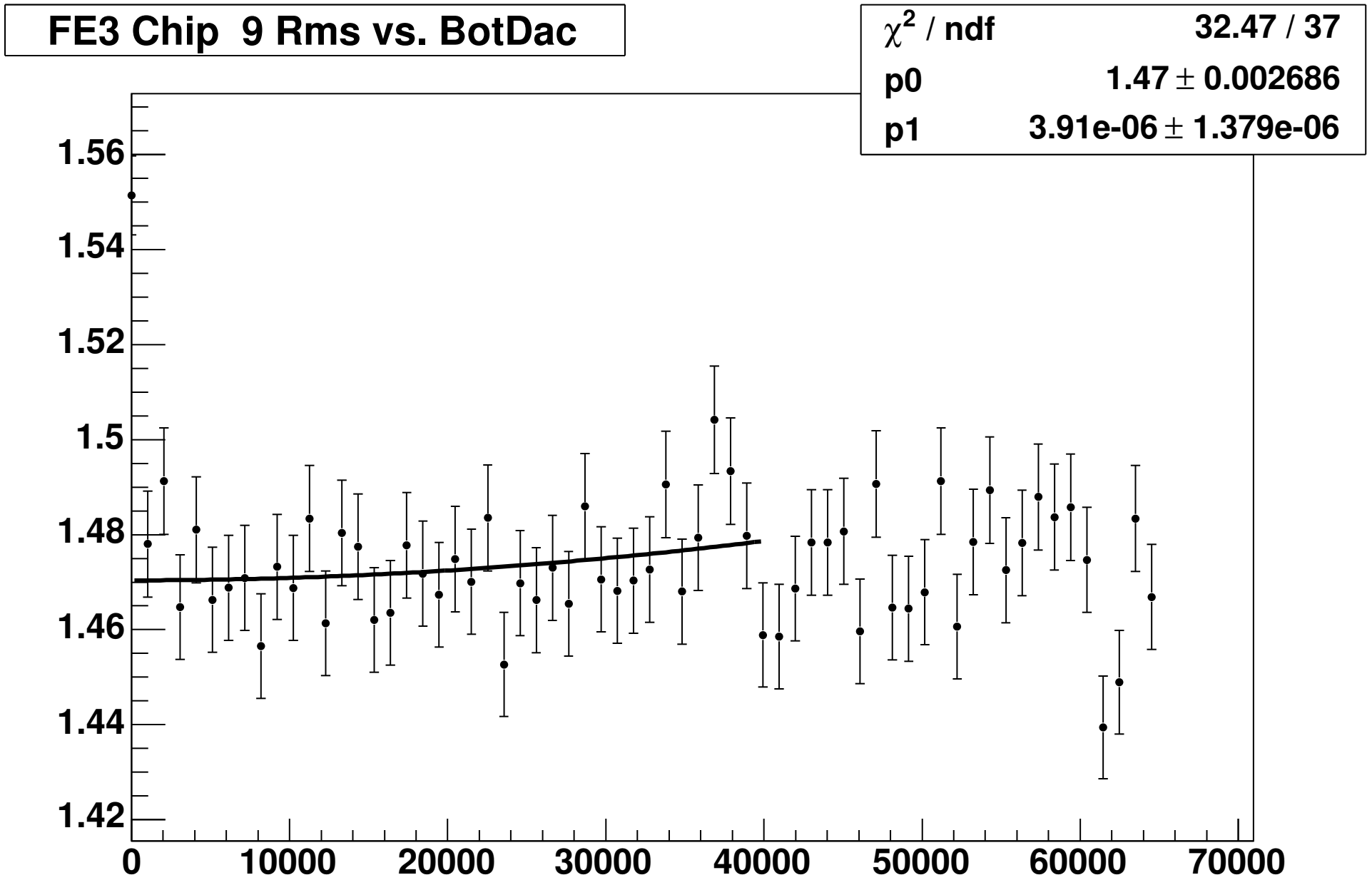

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 753 / 37
p0 74.24 ± 0.00511
p1 6.468e-06 ± 2.178e-07
74.6
74.5
74.4
74.3
74.2
74.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 32.47 / 37
p0 1.47 ± 0.002686
p1 3.91e-06 ± 1.379e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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50000
60000
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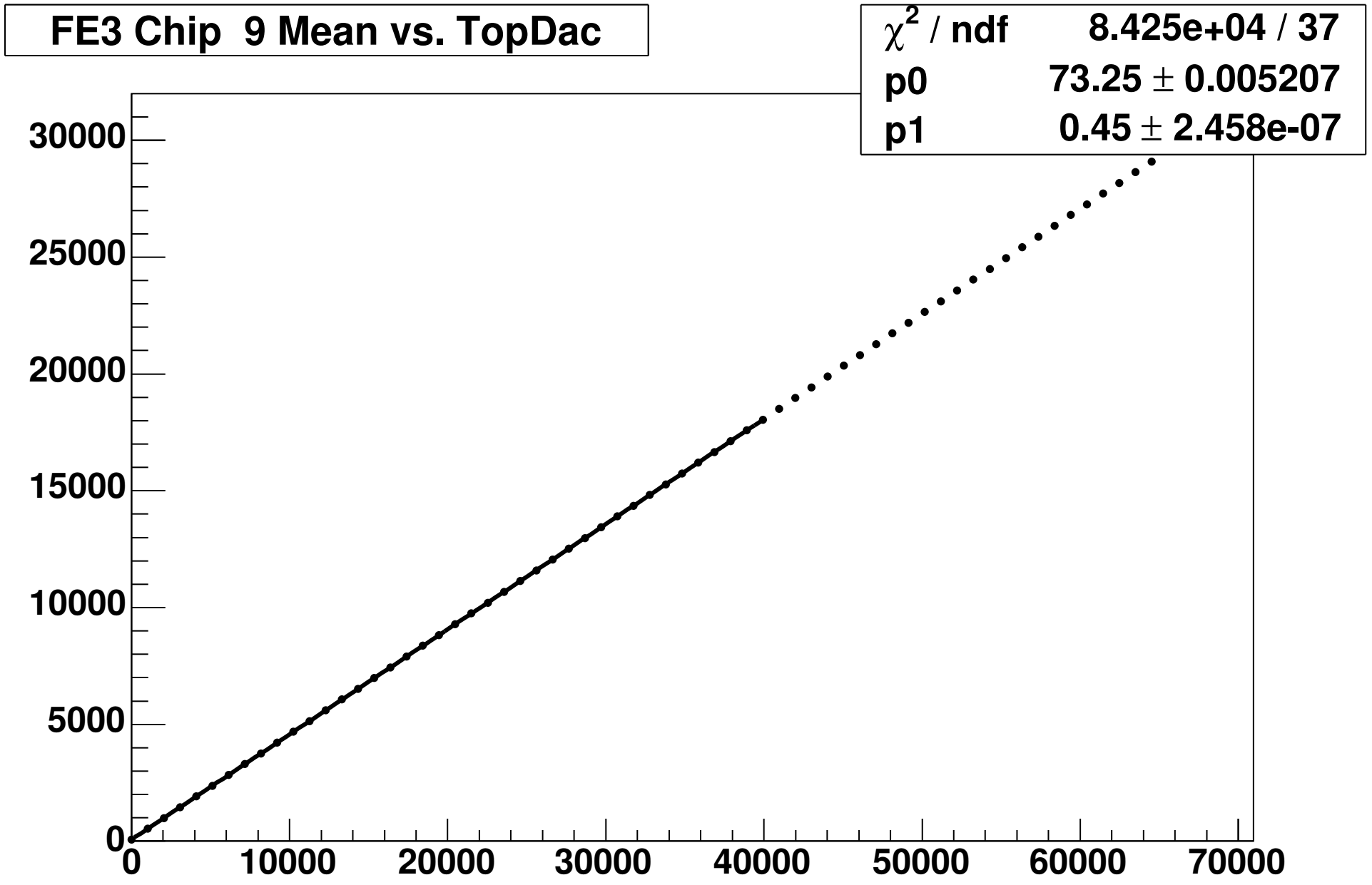
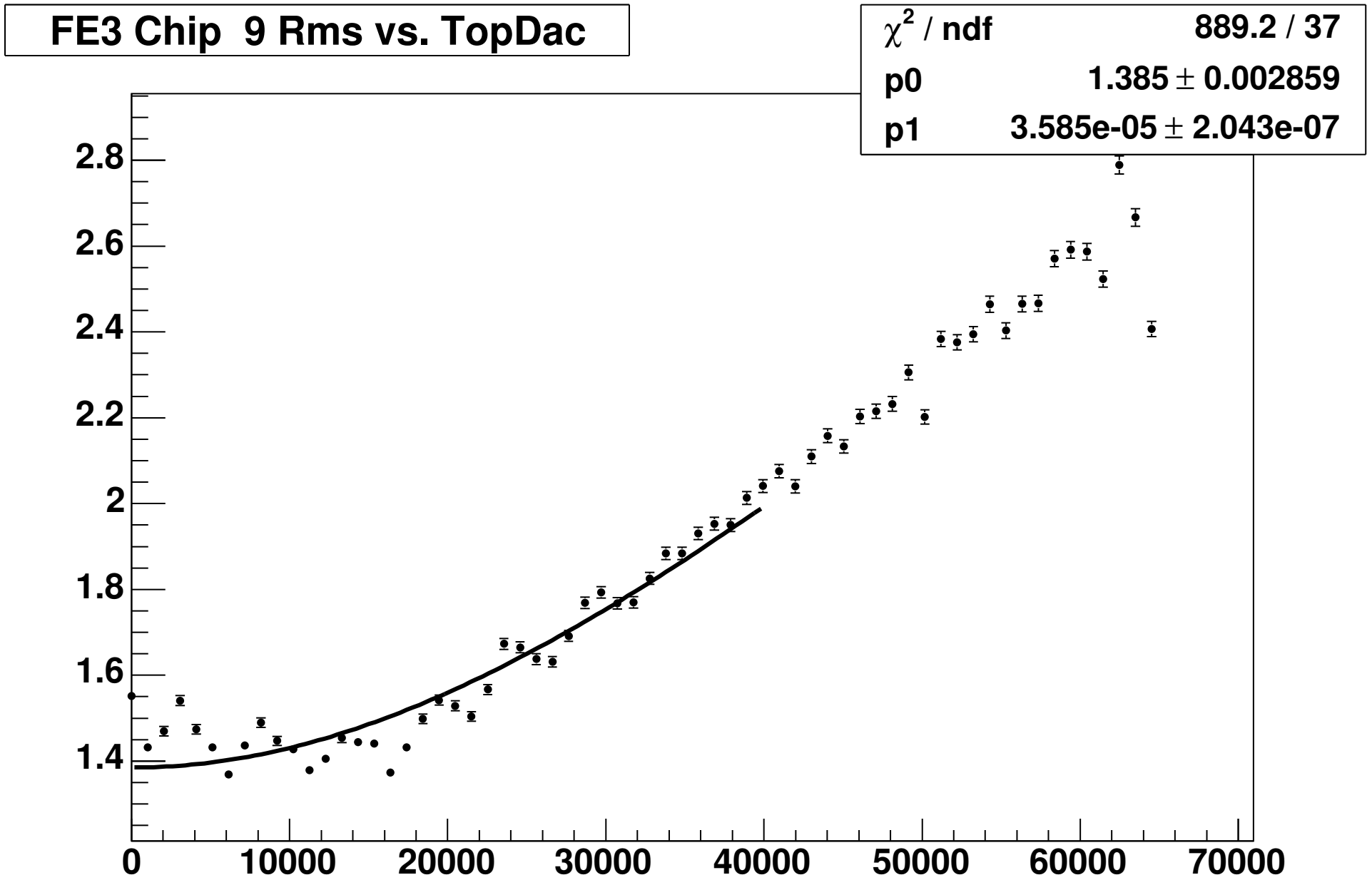

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 8.425e+04 / 37
p0 73.25 ± 0.005207
p1 0.45 ± 2.458e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 889.2 / 37
p0 1.385 ± 0.002859
p1 3.585e-05 ± 2.043e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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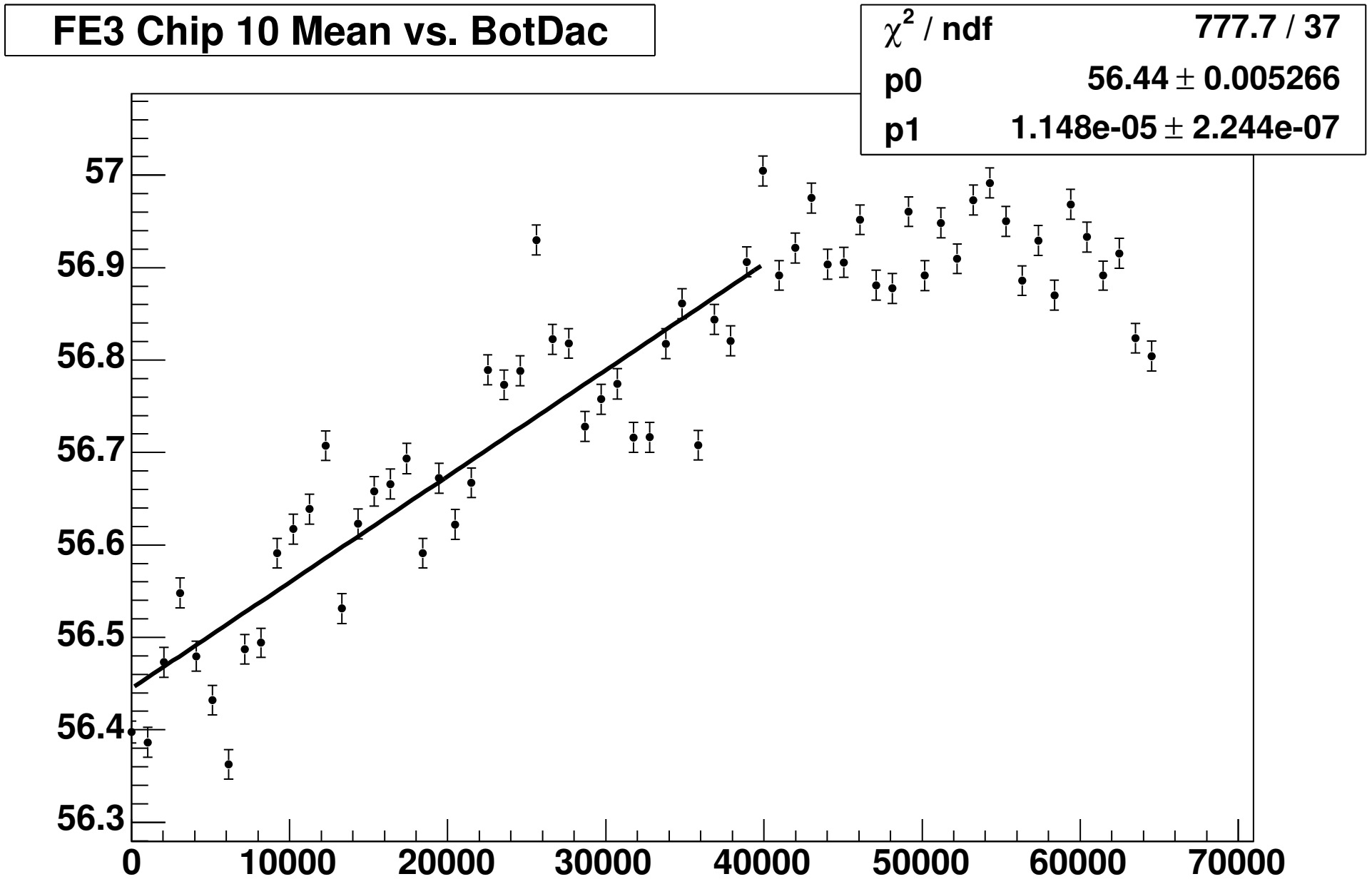
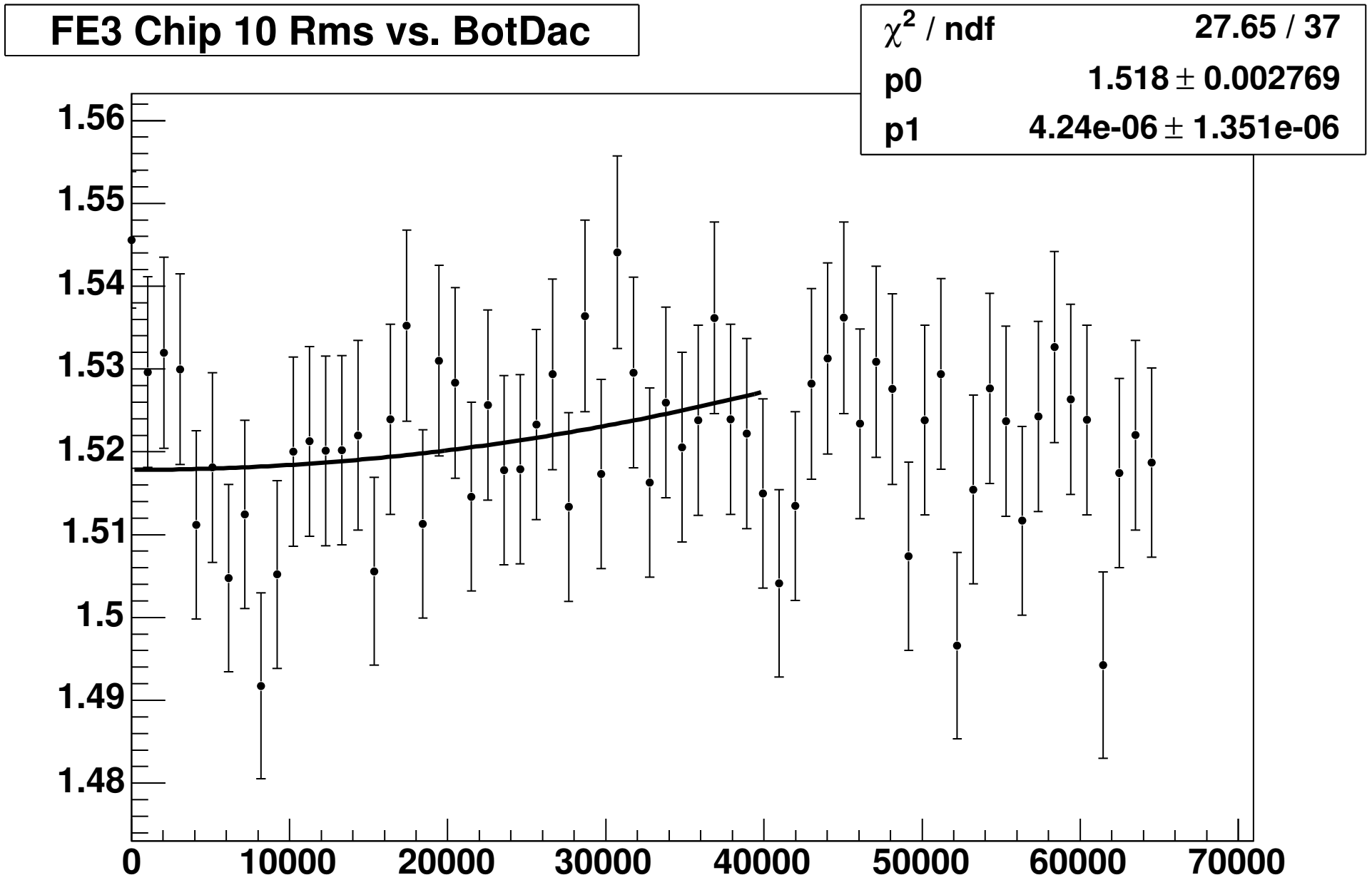
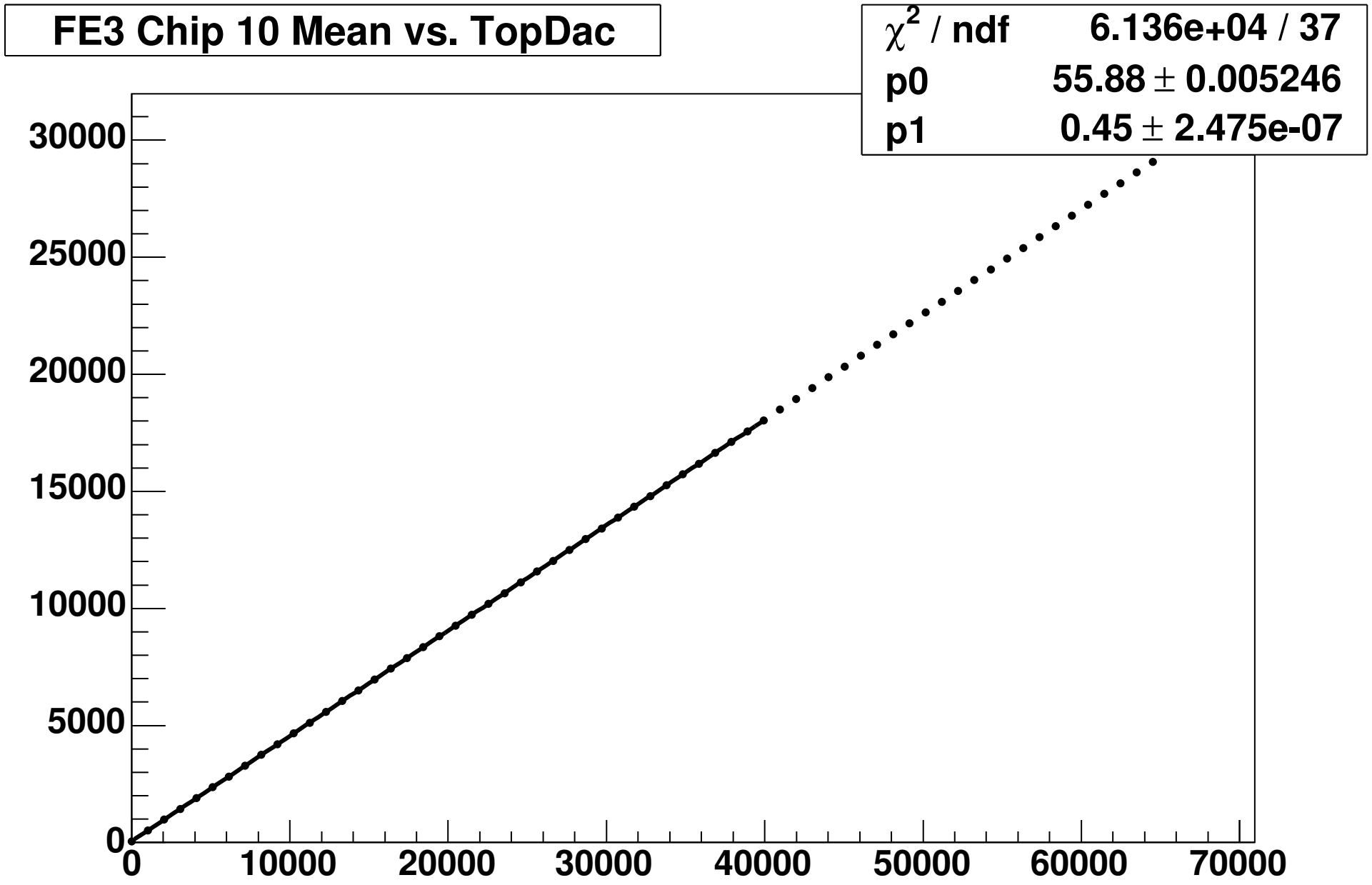
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 777.7 / 37
p0 56.44 ± 0.005266
p1 1.148e-05 ± 2.244e-07
57
56.9
56.8
56.7
56.6
56.5
56.4
56.3
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 27.65 / 37
p0 1.518 ± 0.002769
p1 4.24e-06 ± 1.351e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 6.136e+04 / 37
p0 55.88 ± 0.005246
p1 0.45 ± 2.475e-07
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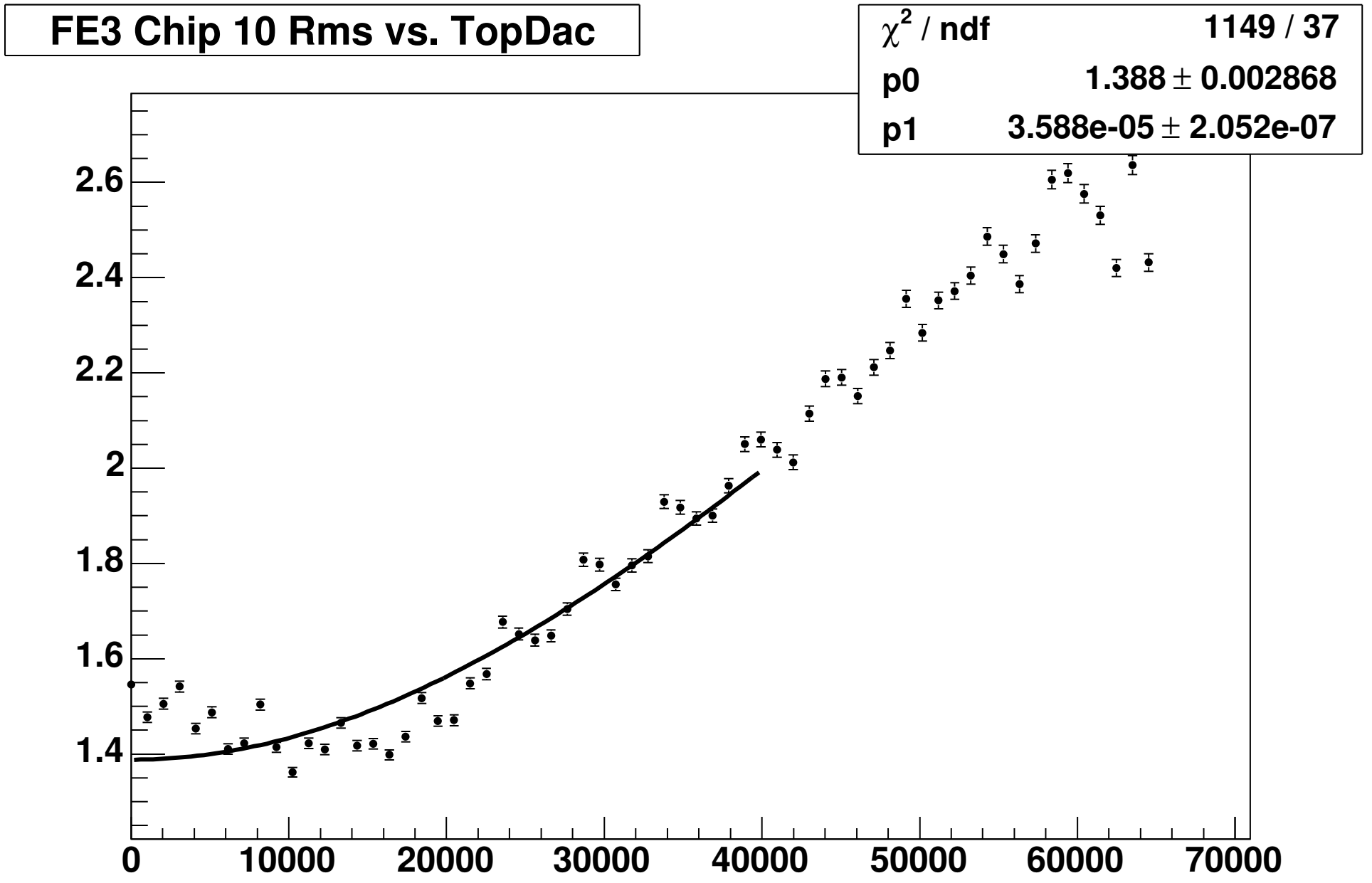
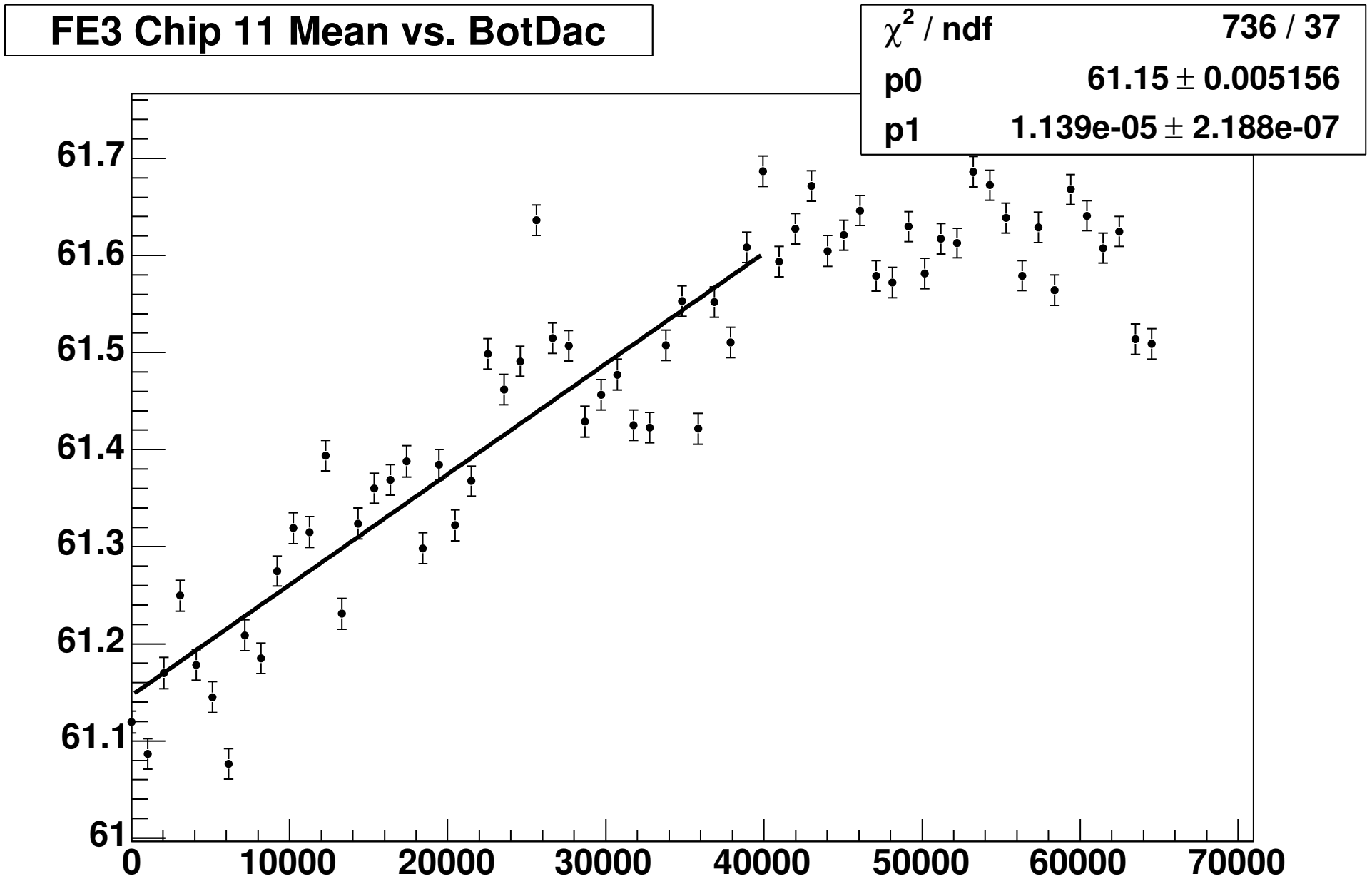
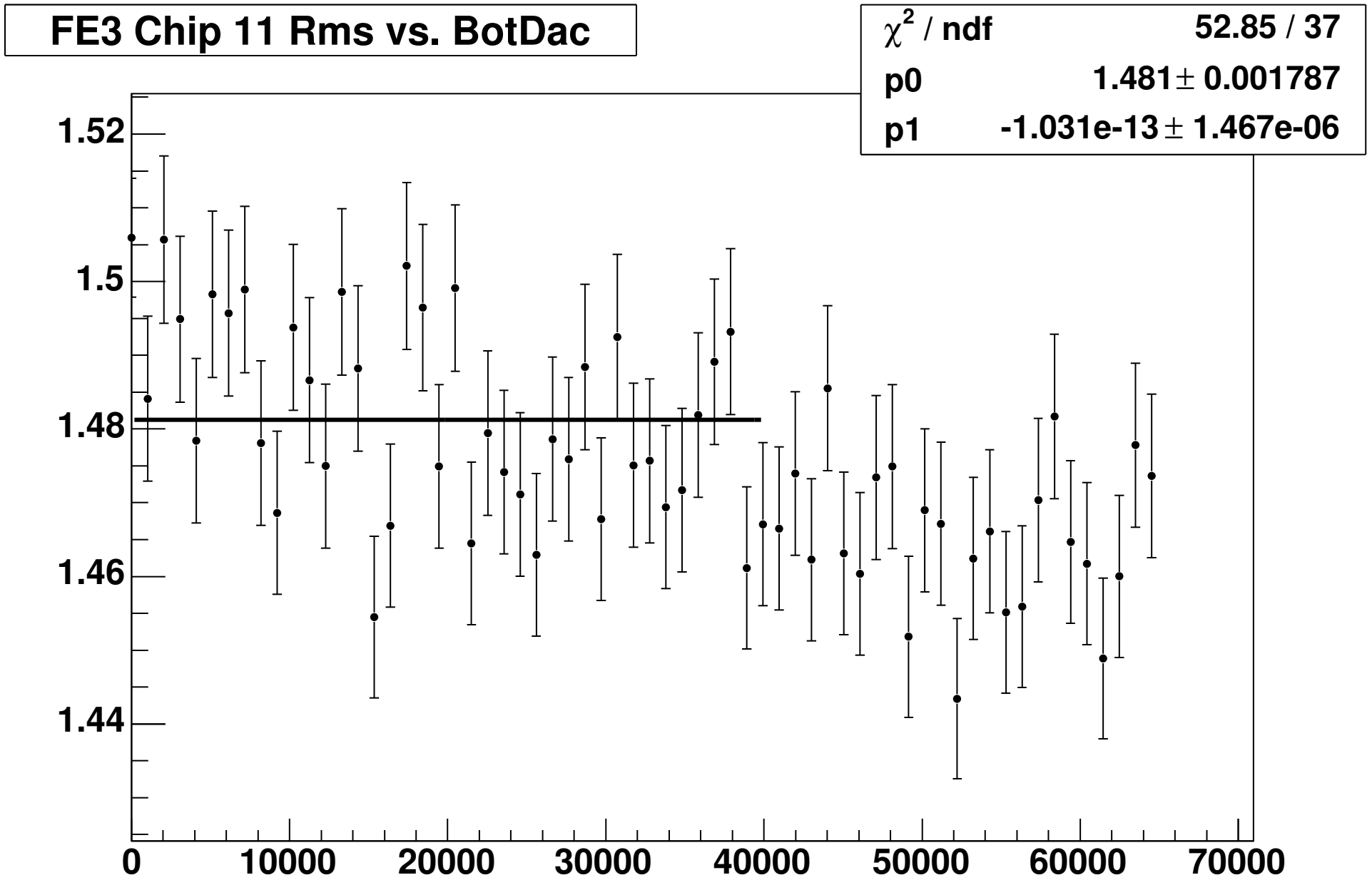
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1149 / 37
p0 1.388 ± 0.002868
p1 3.588e-05 ± 2.052e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 736 / 37
p0 61.15 ± 0.005156
p1 1.139e-05 ± 2.188e-07
61.7
61.6
61.5
61.4
61.3
61.2
61.1
61
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 52.85 / 37
p0 1.481 ± 0.001787
p1 -1.031e-13 ± 1.467e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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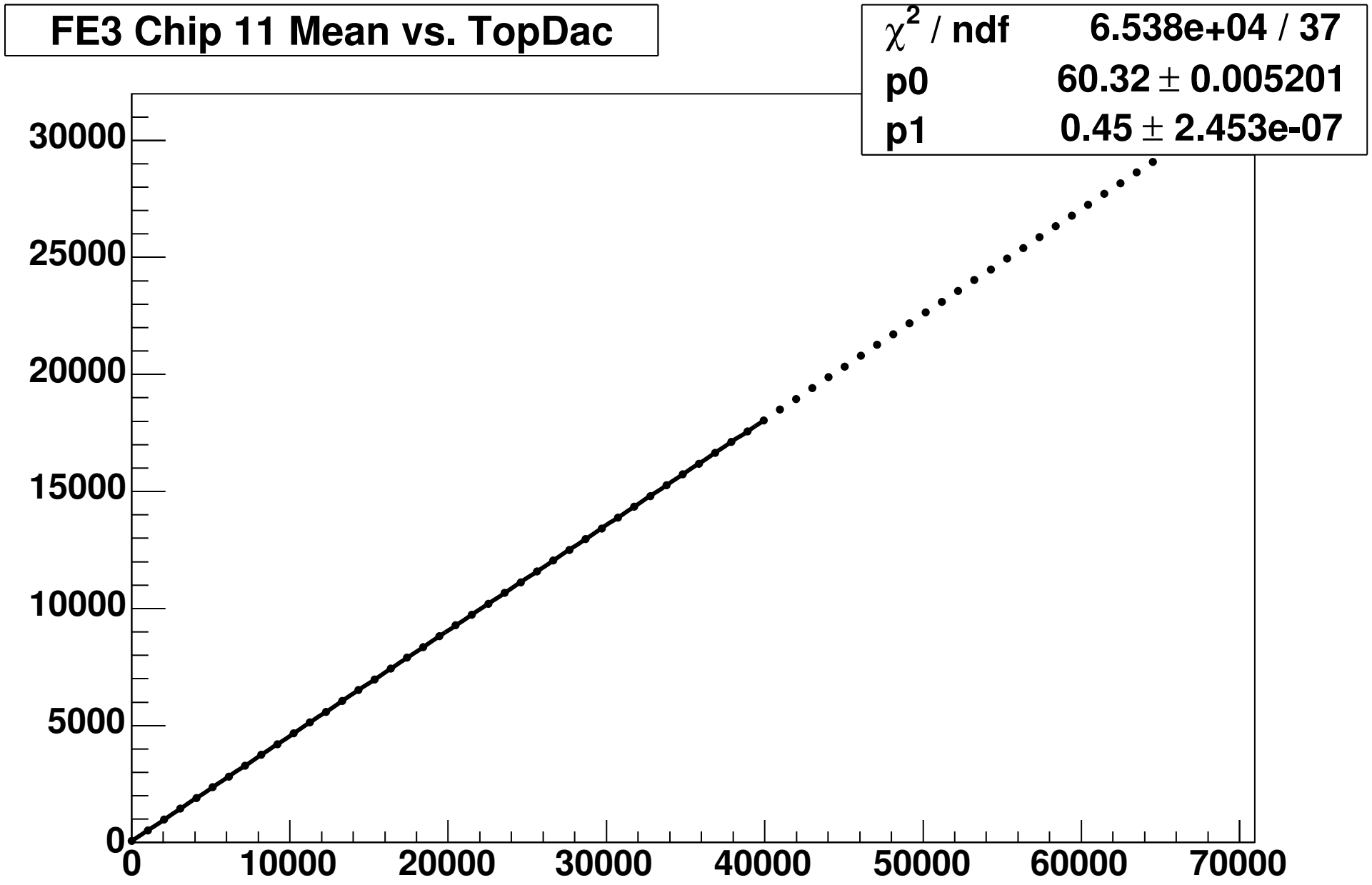
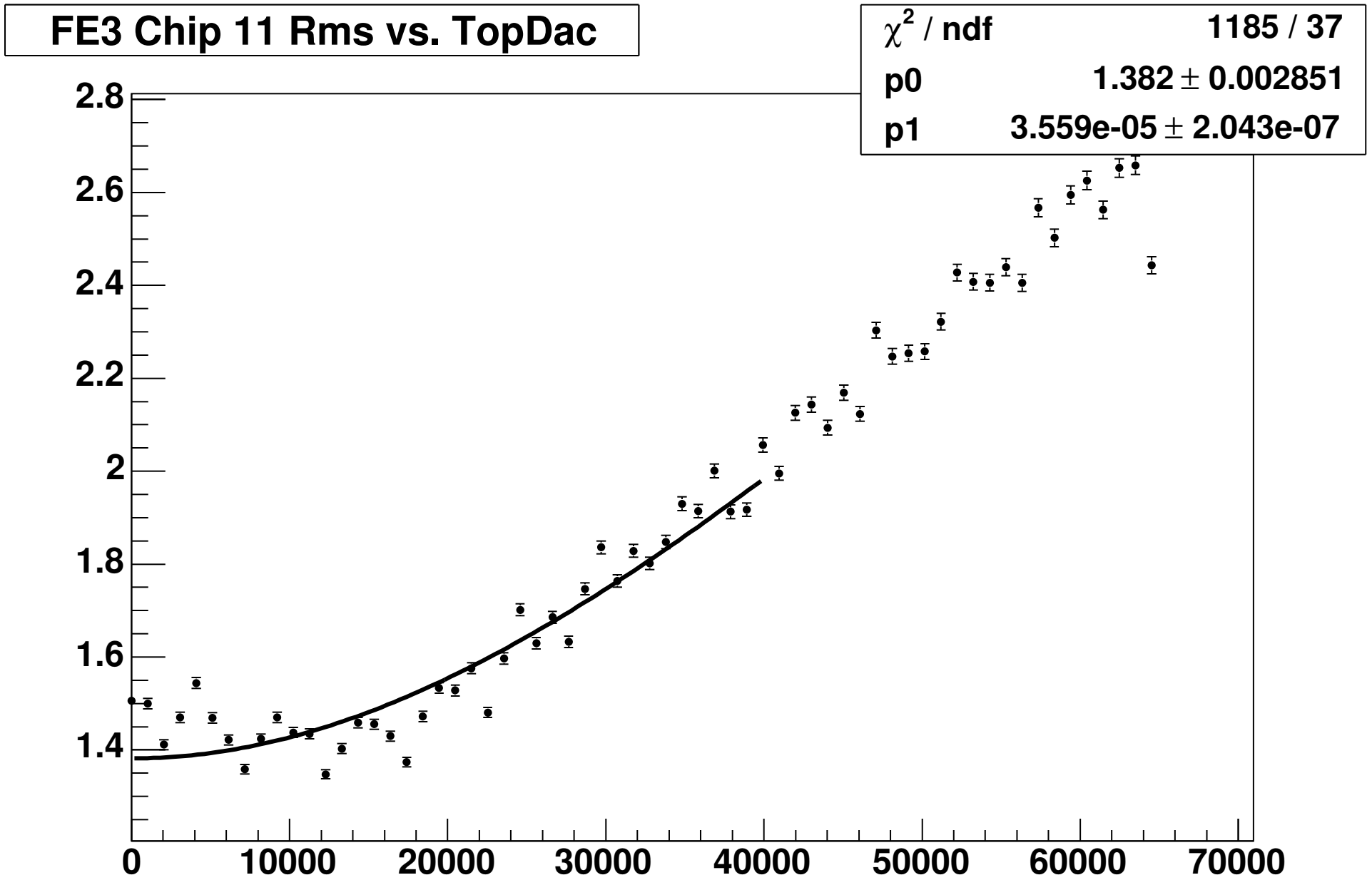
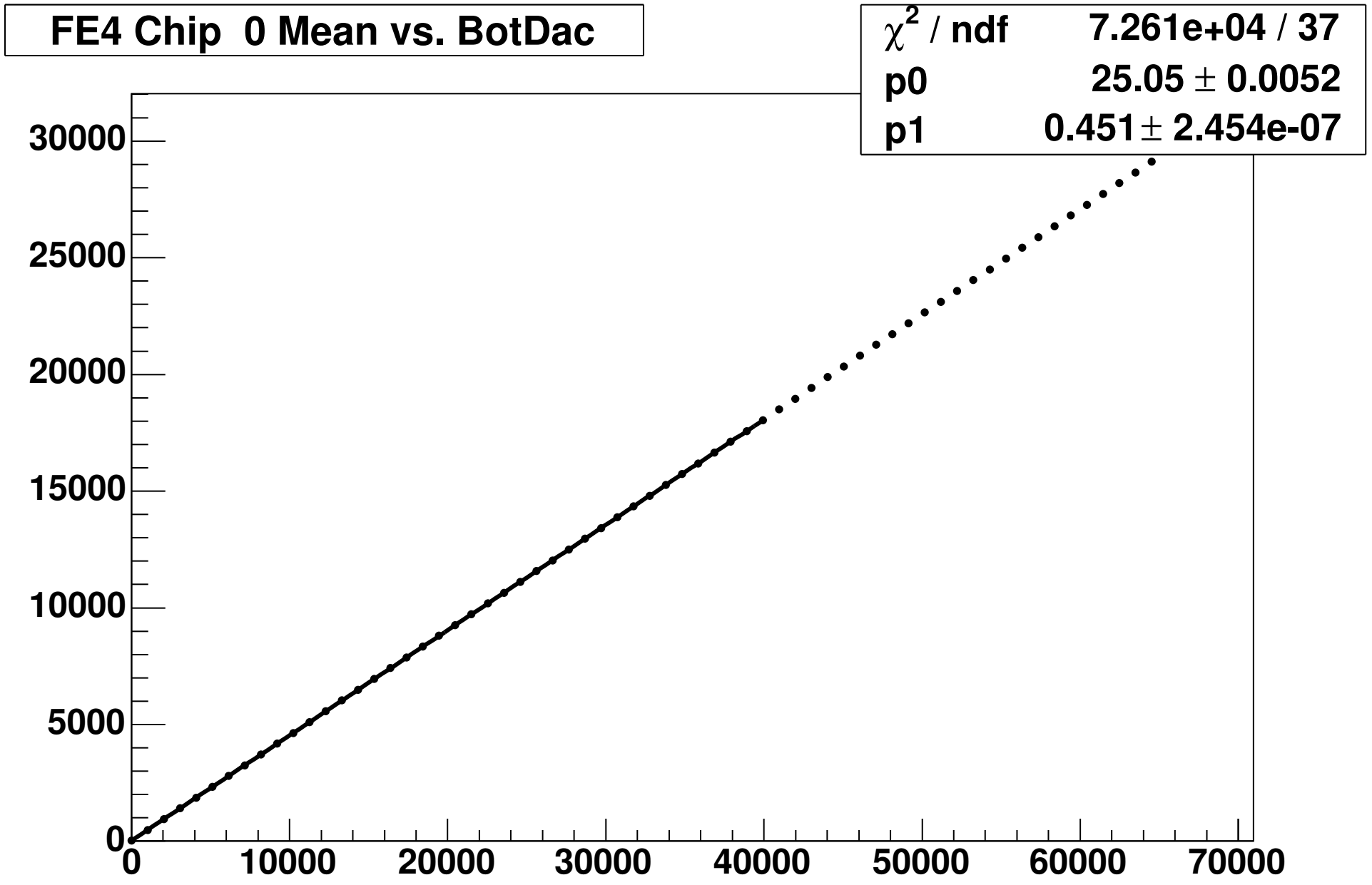
60000
70000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 6.538e+04 / 37
p0 60.32 ± 0.005201
p1 0.45 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1185 / 37
p0 1.382 ± 0.002851
p1 3.559e-05 ± 2.043e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 7.261e+04 / 37
p0 25.05 ± 0.0052
p1 0.451 ± 2.454e-07
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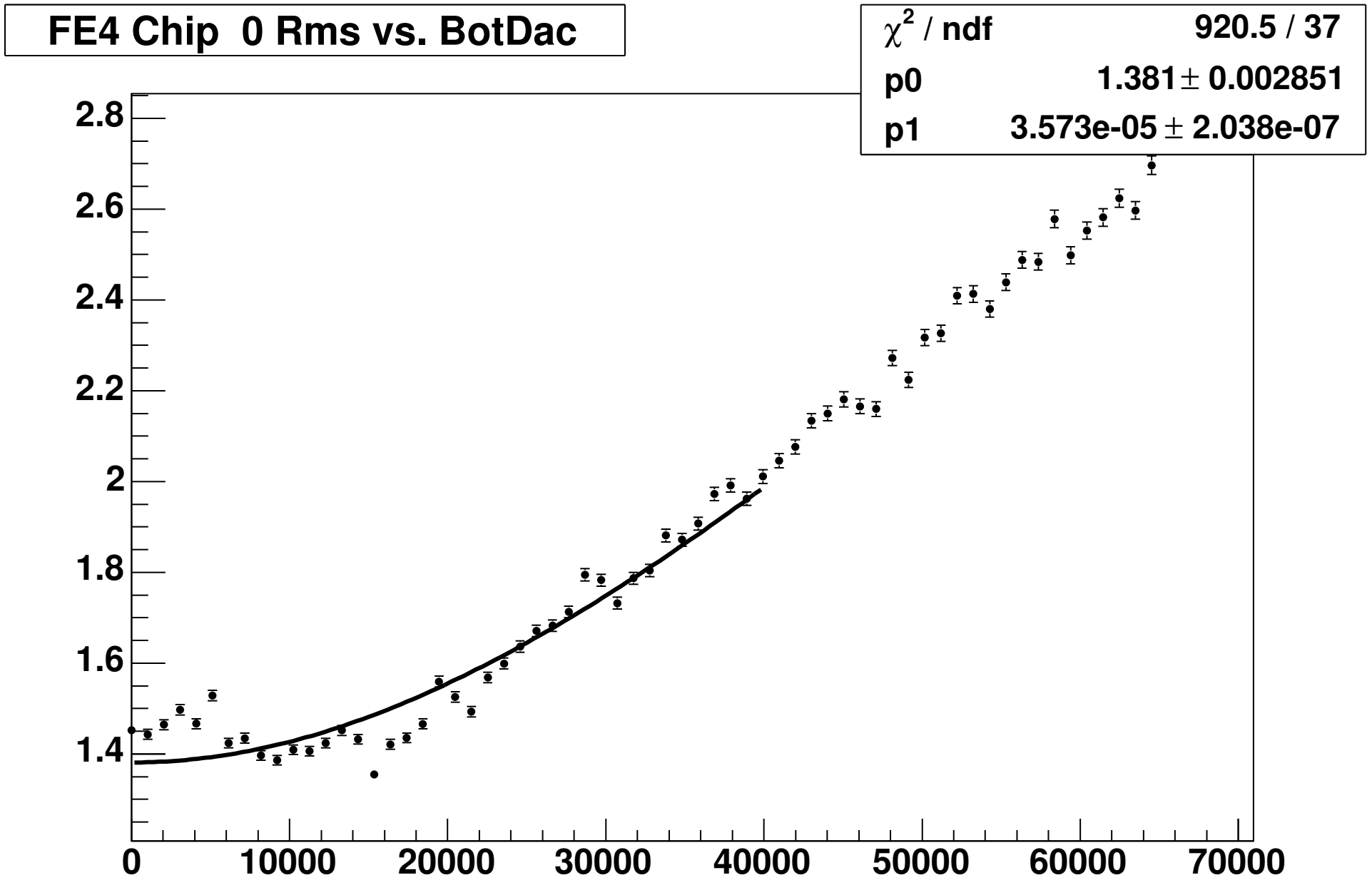
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 920.5 / 37
p0 1.381 ± 0.002851
p1 3.573e-05 ± 2.038e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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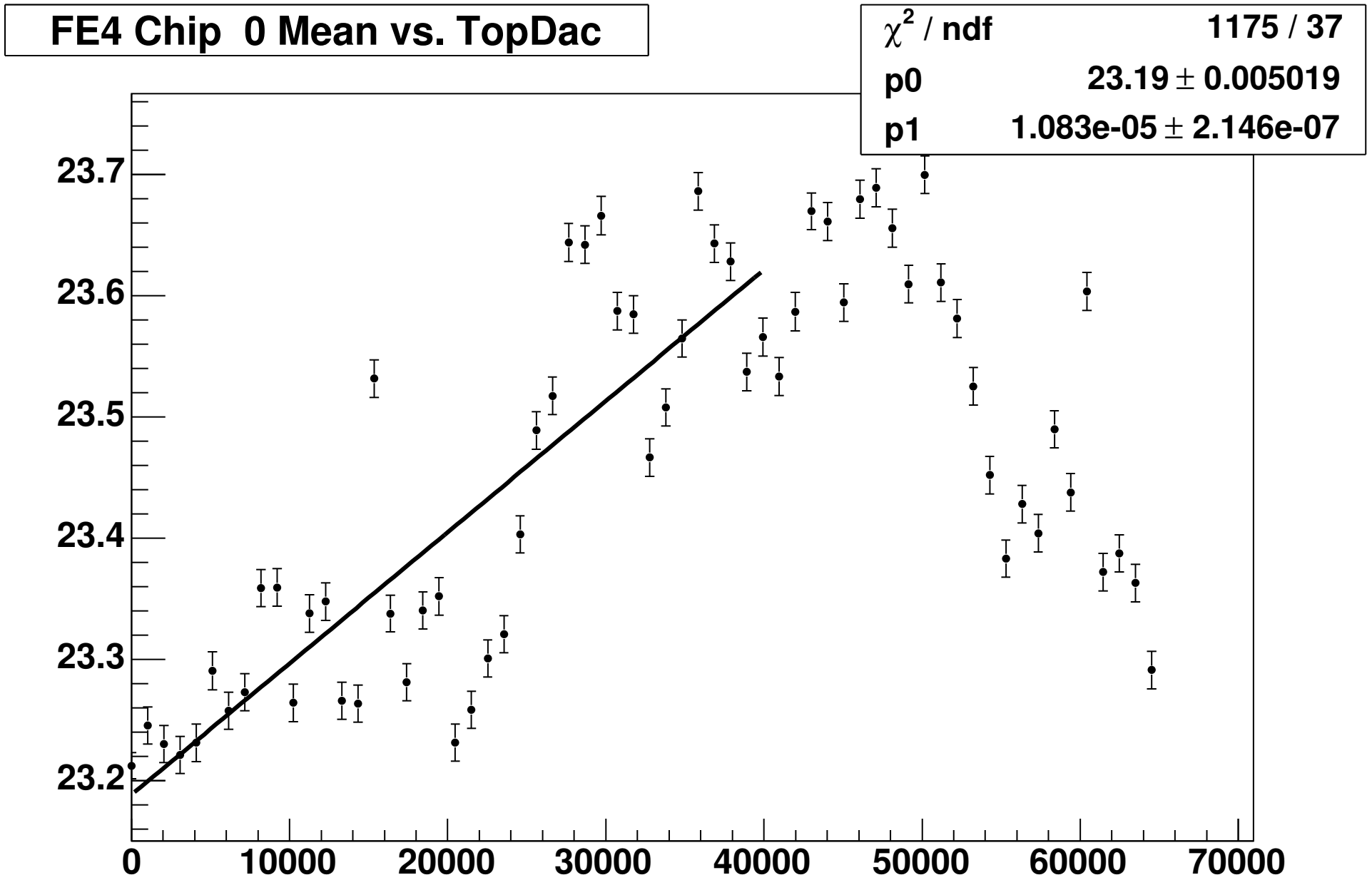
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 1175 / 37
p0 23.19 ± 0.005019
p1 1.083e-05 ± 2.146e-07
23.7
23.6
23.5
23.4
23.3
23.2
0
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30000
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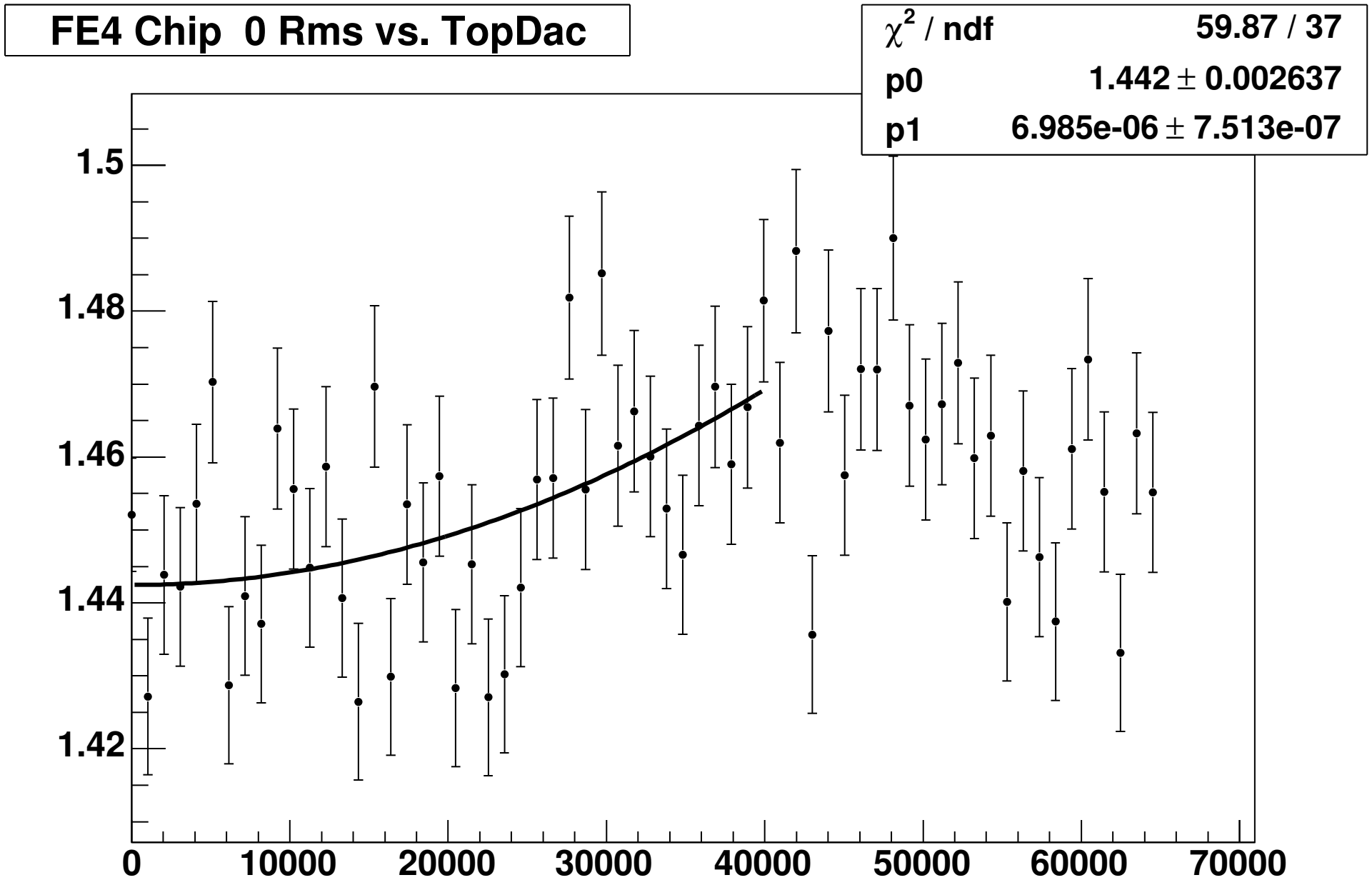
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 59.87 / 37
p0 1.442 ± 0.002637
p1 6.985e-06 ± 7.513e-07
1.5
1.48
1.46
1.44
1.42
0
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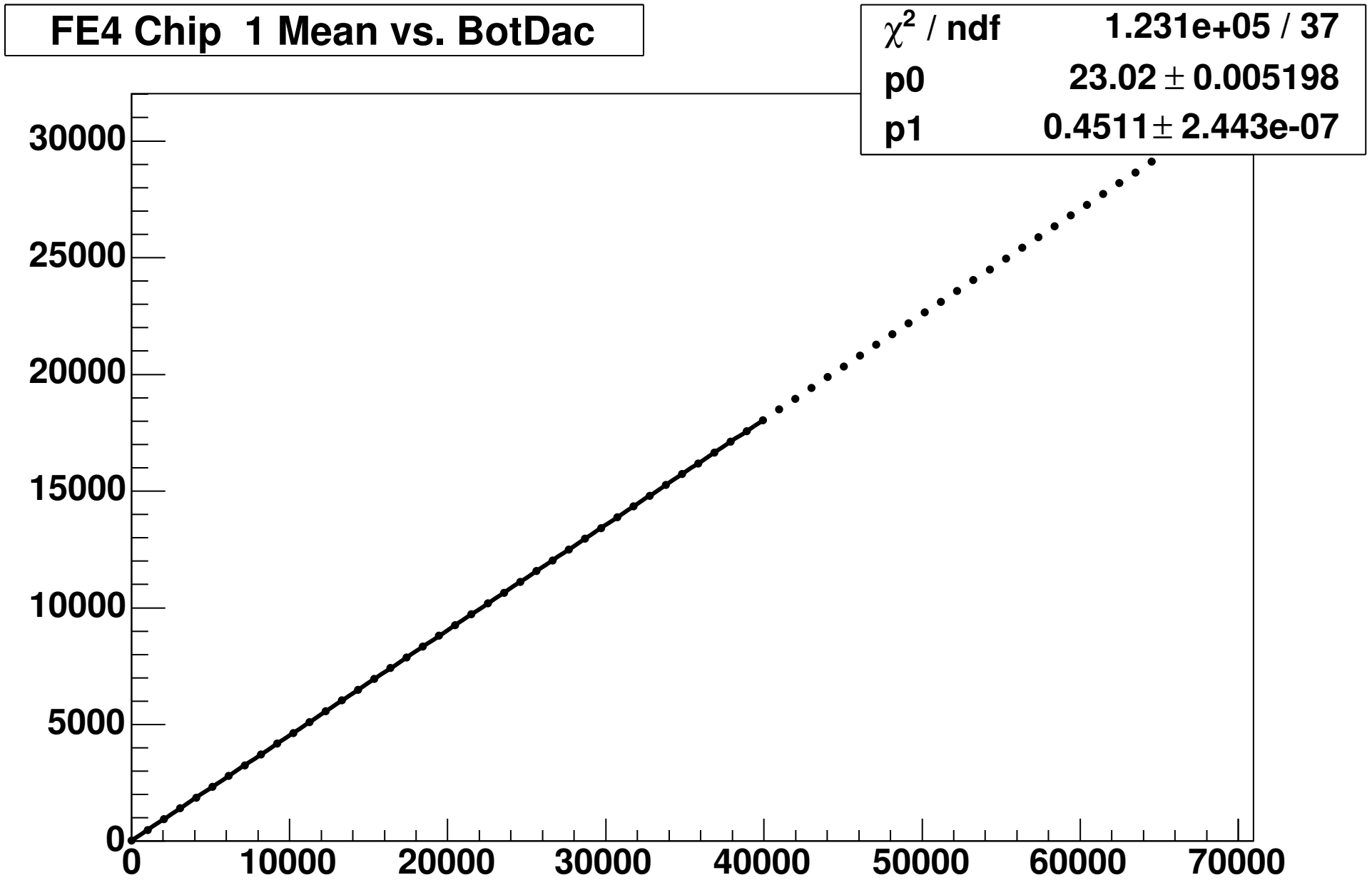
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.231e+05 / 37
p0 23.02 ± 0.005198
p1 0.4511 ± 2.443e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
50000
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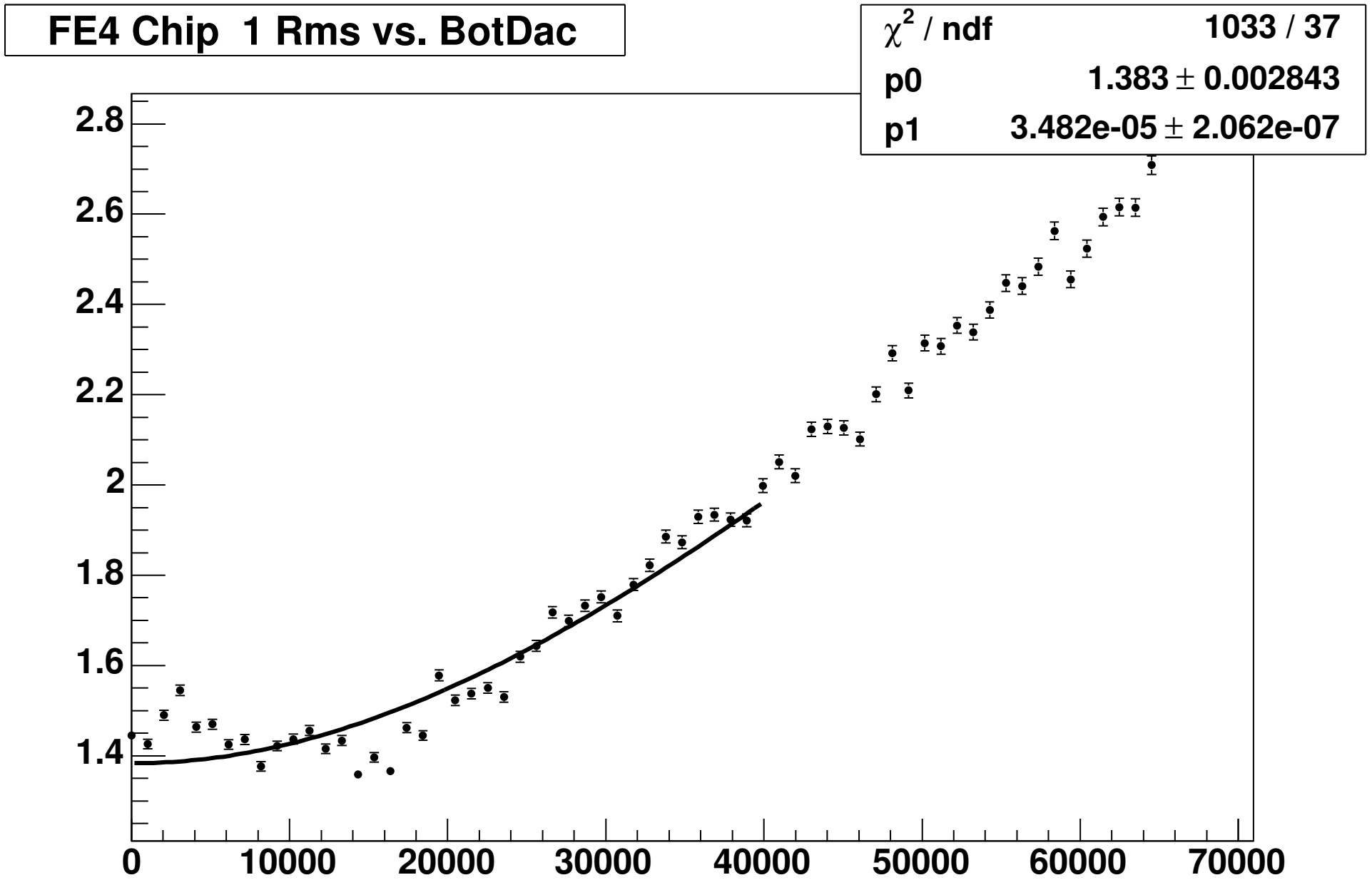
FE4 Chip 1 Rms vs. BotDac
χ² / ndf 1033 / 37
p0 1.383 ± 0.002843
p1 3.482e-05 ± 2.062e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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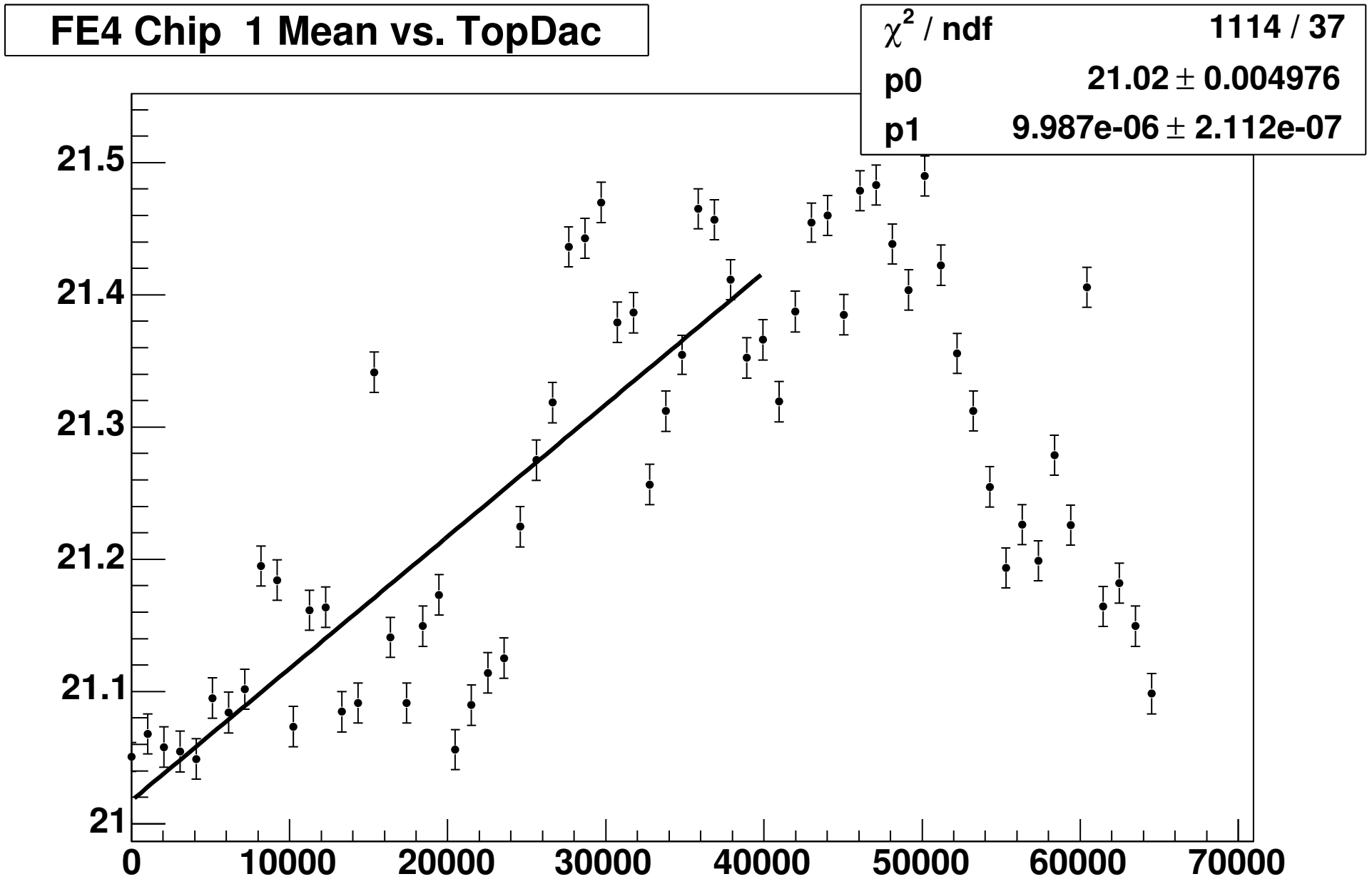
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 1114 / 37
p0 21.02 ± 0.004976
p1 9.987e-06 ± 2.112e-07
21.5
21.4
21.3
21.2
21.1
21
0
10000
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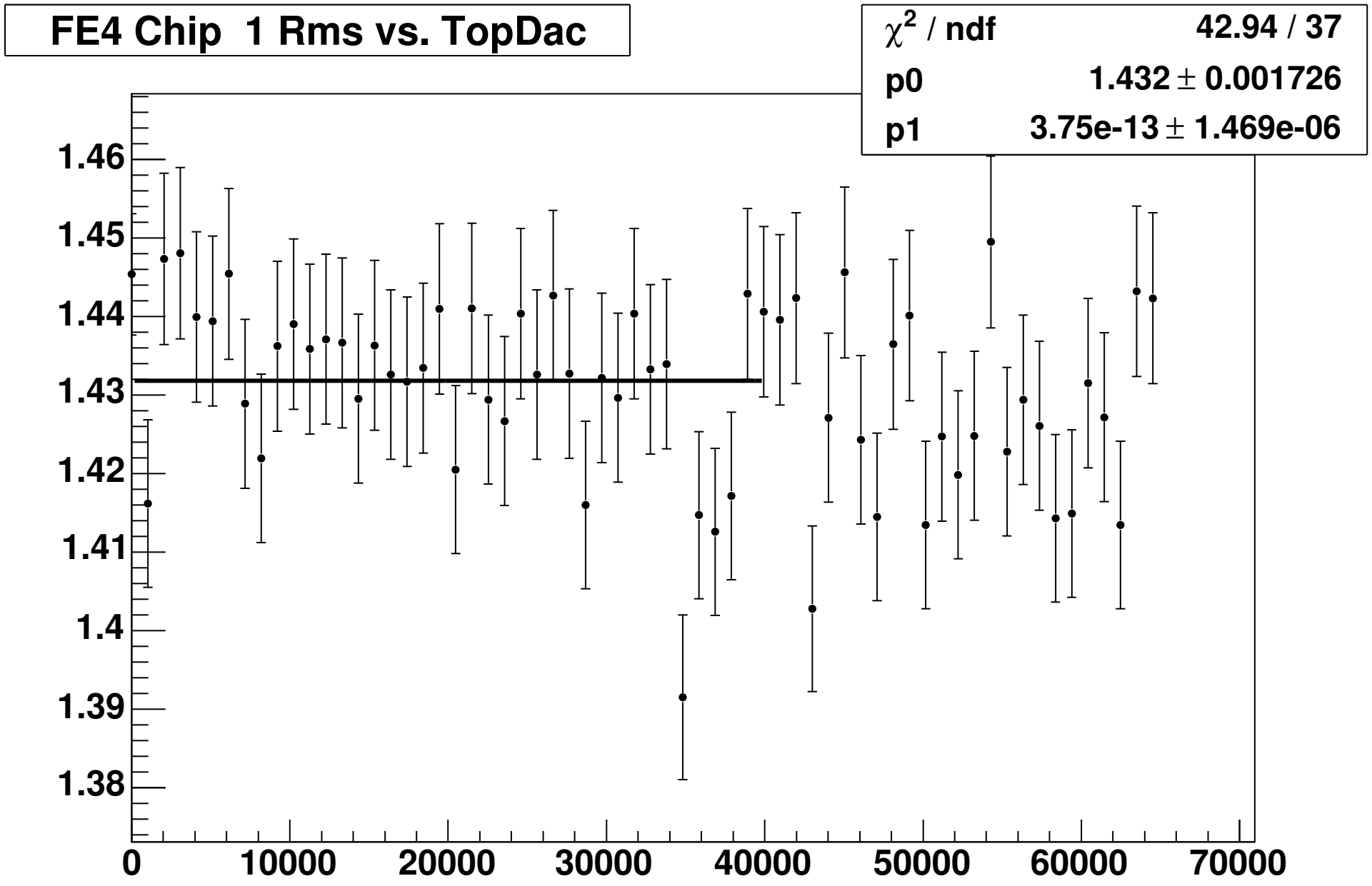
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 42.94 / 37
p0 1.432 ± 0.001726
p1 3.75e-13 ± 1.469e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
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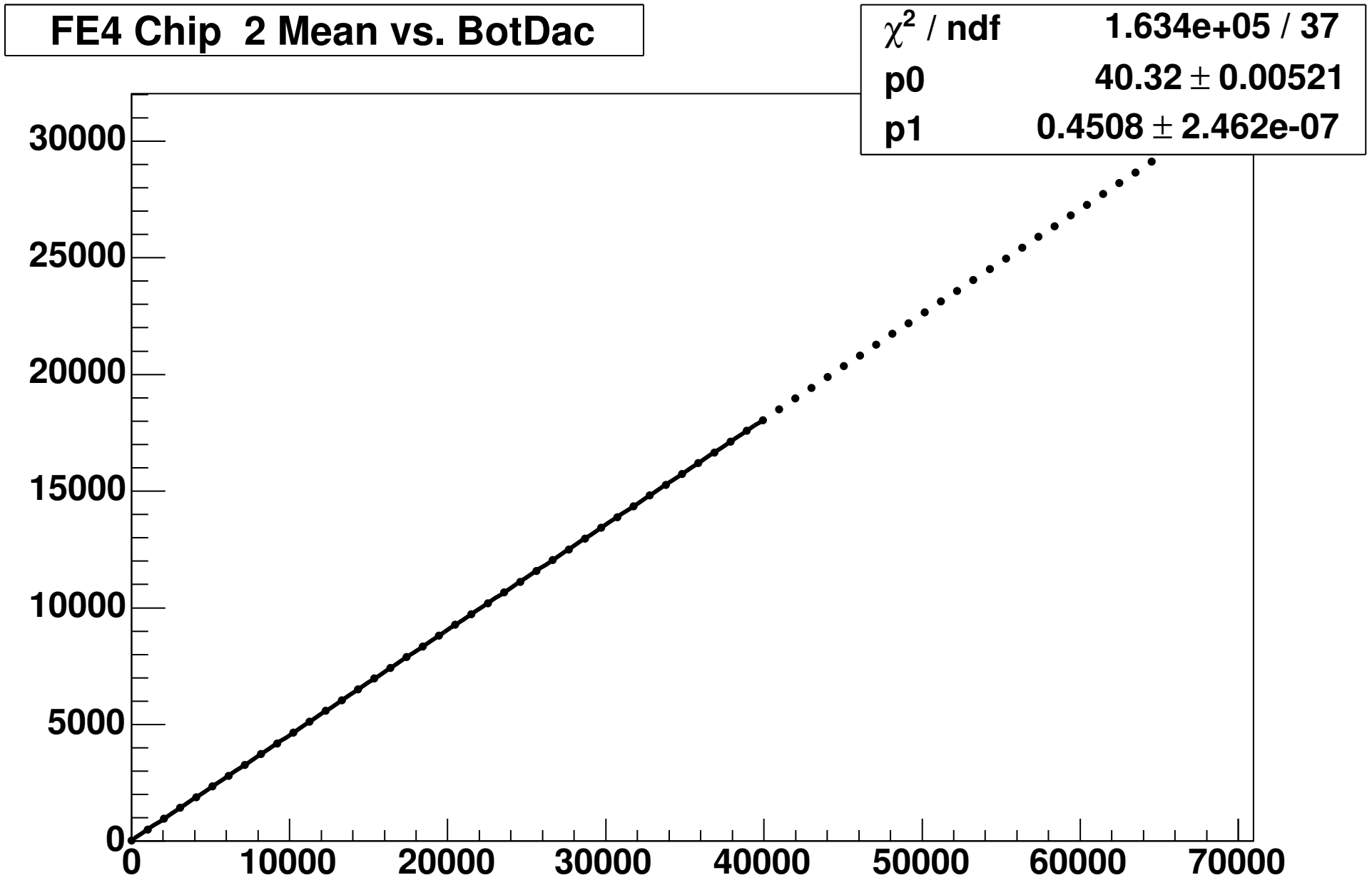
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 1.634e+05 / 37
p0 40.32 ± 0.00521
p1 0.4508 ± 2.462e-07
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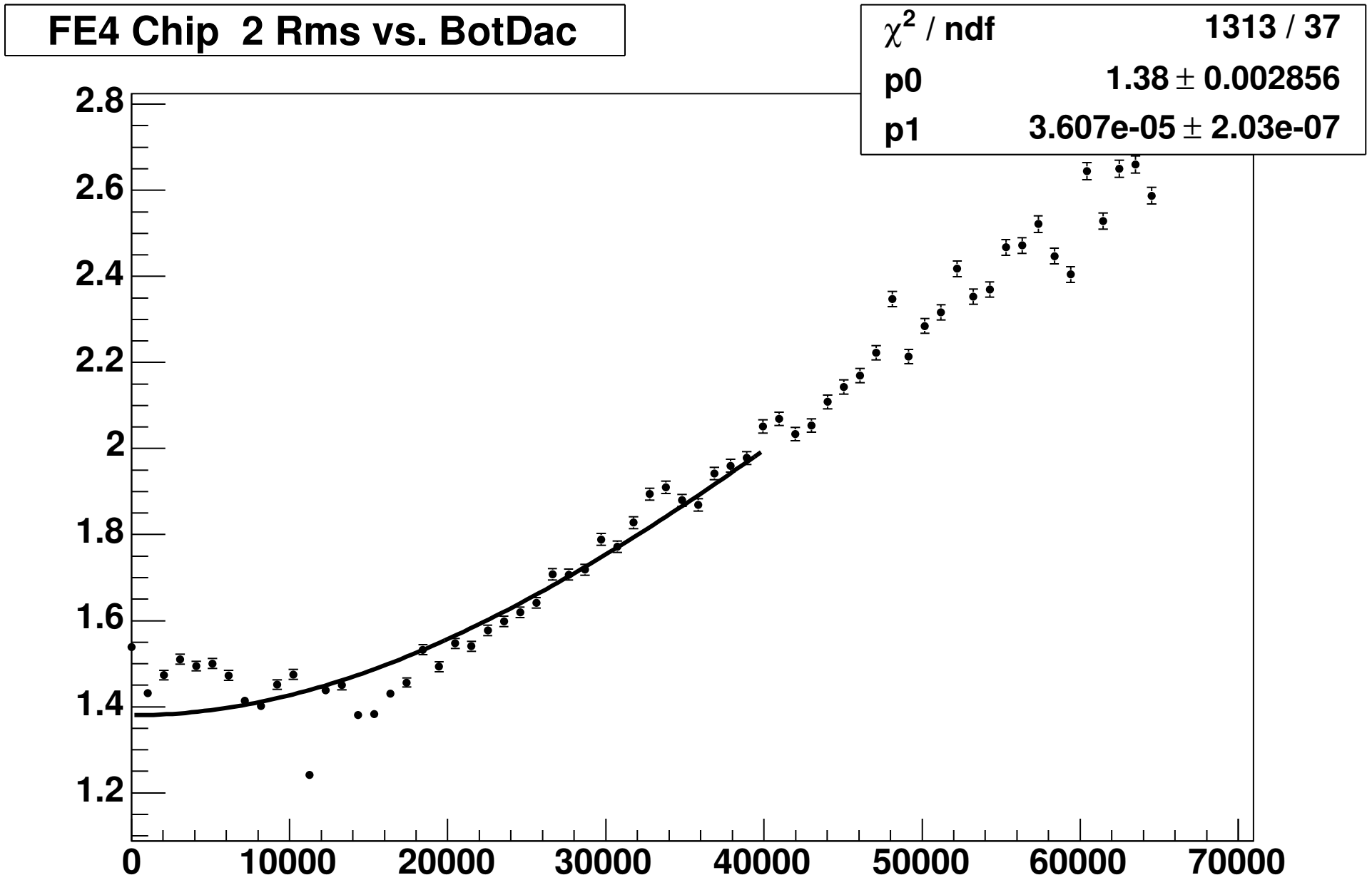
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1313 / 37
p0 1.38 ± 0.002856
p1 3.607e-05 ± 2.03e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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50000
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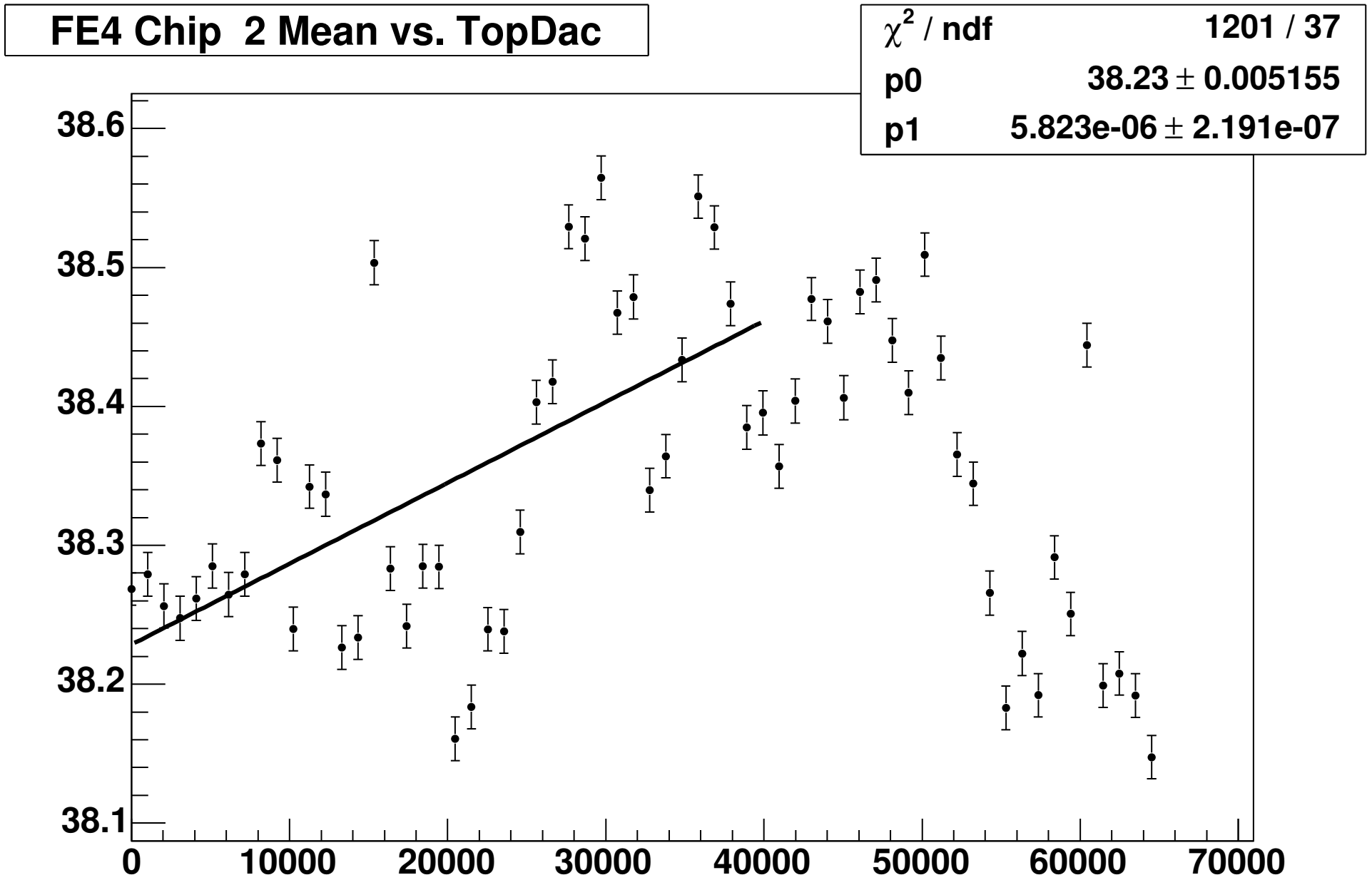
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 1201 / 37
p0 38.23 ± 0.005155
p1 5.823e-06 ± 2.191e-07
38.6
38.5
38.4
38.3
38.2
38.1
0
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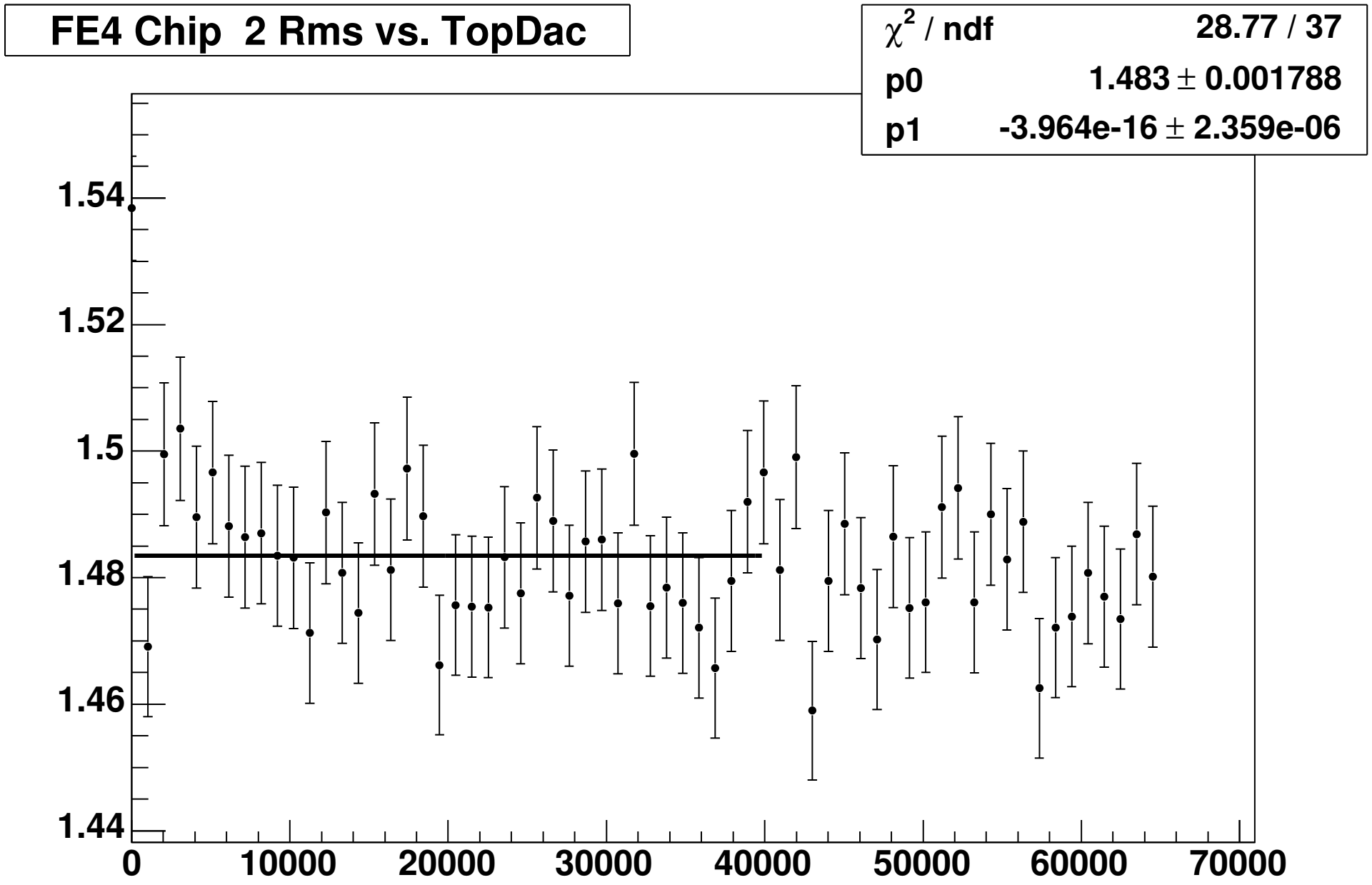
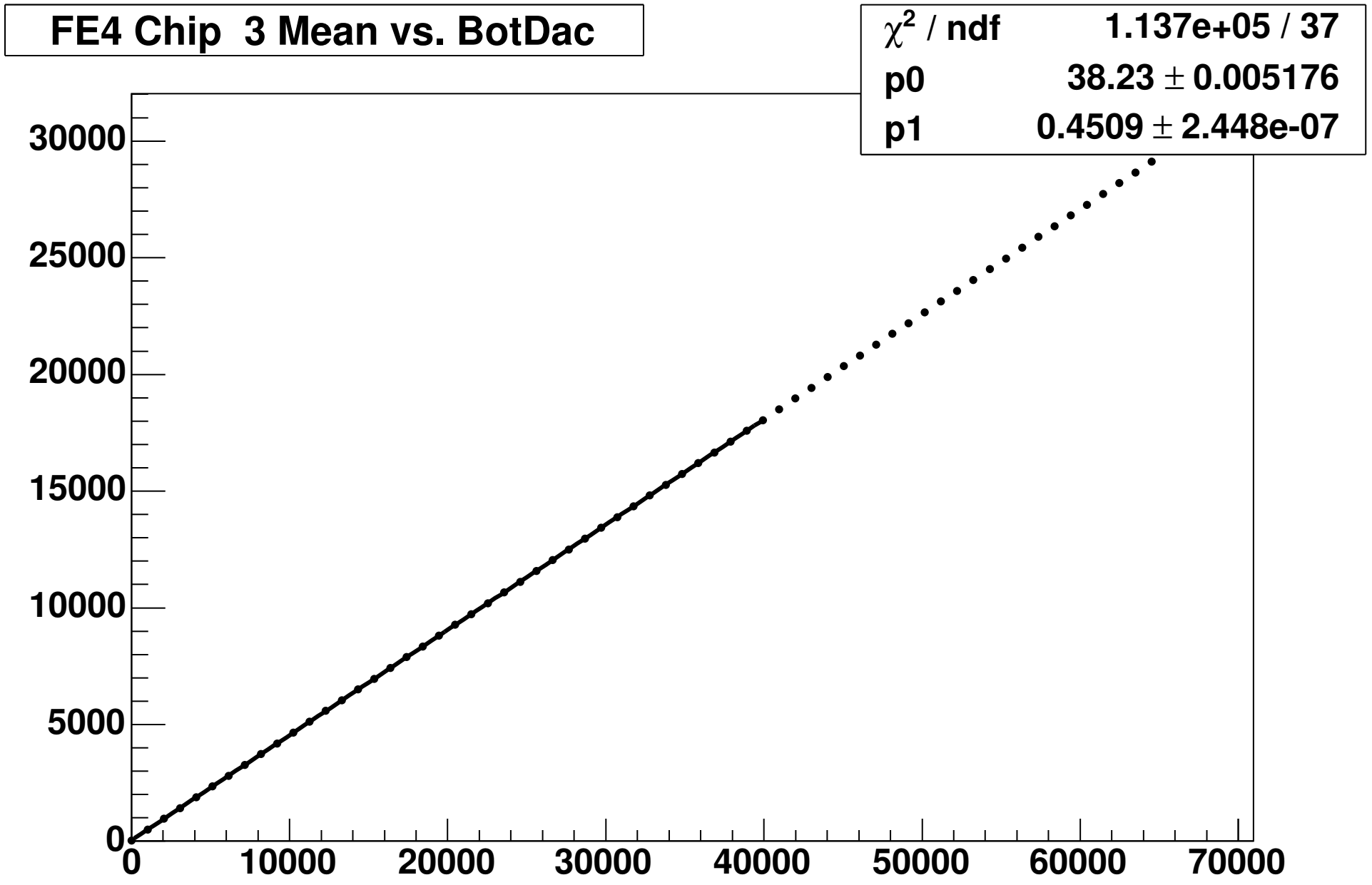

FE4 Chip 2 Rms vs. TopDac
χ² / ndf 28.77 / 37
p0 1.483 ± 0.001788
p1 -3.964e-16 ± 2.359e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 1.137e+05 / 37
p0 38.23 ± 0.005176
p1 0.4509 ± 2.448e-07
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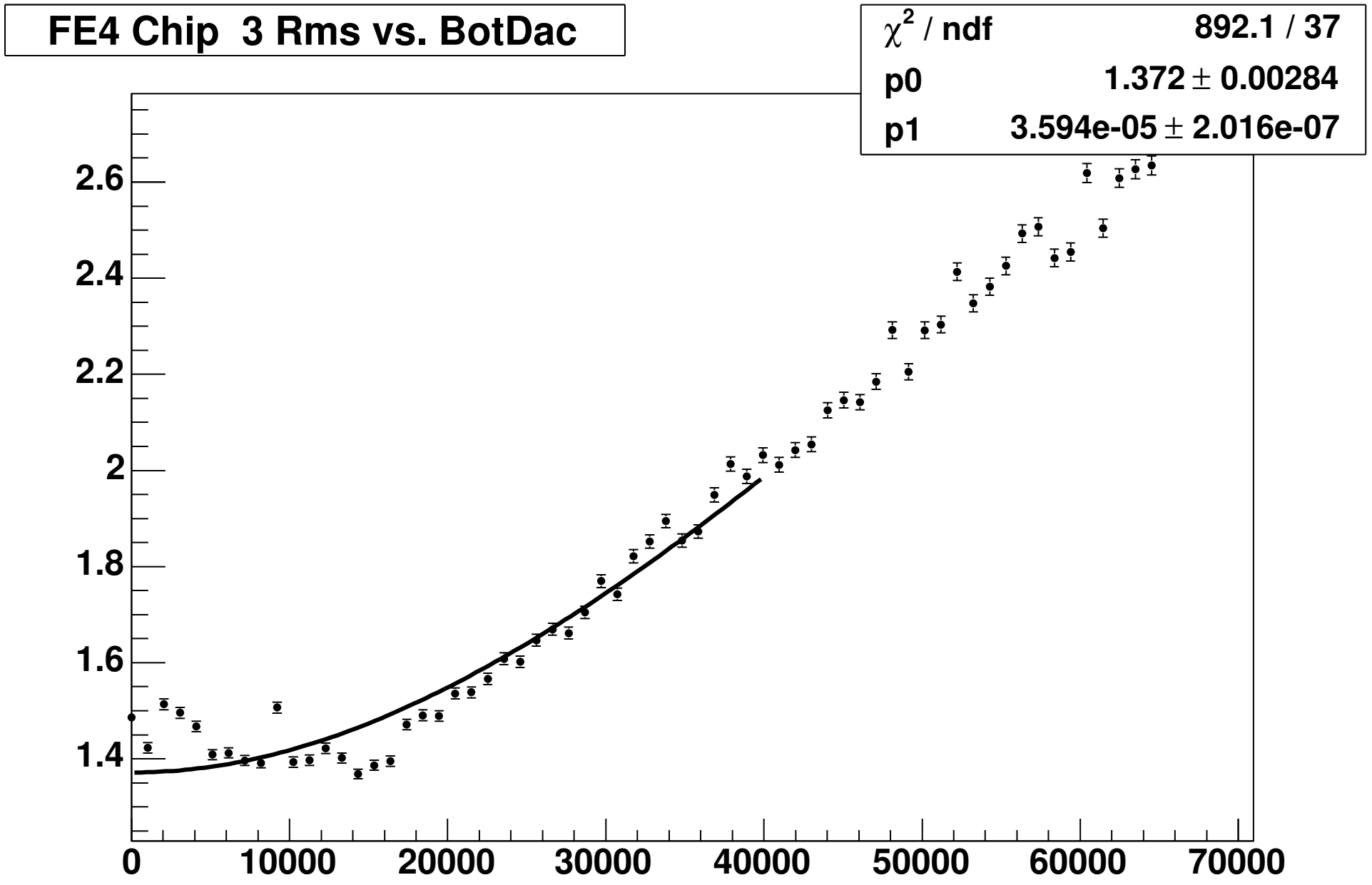
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 892.1 / 37
p0 1.372 ± 0.00284
p1 3.594e-05 ± 2.016e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
60000
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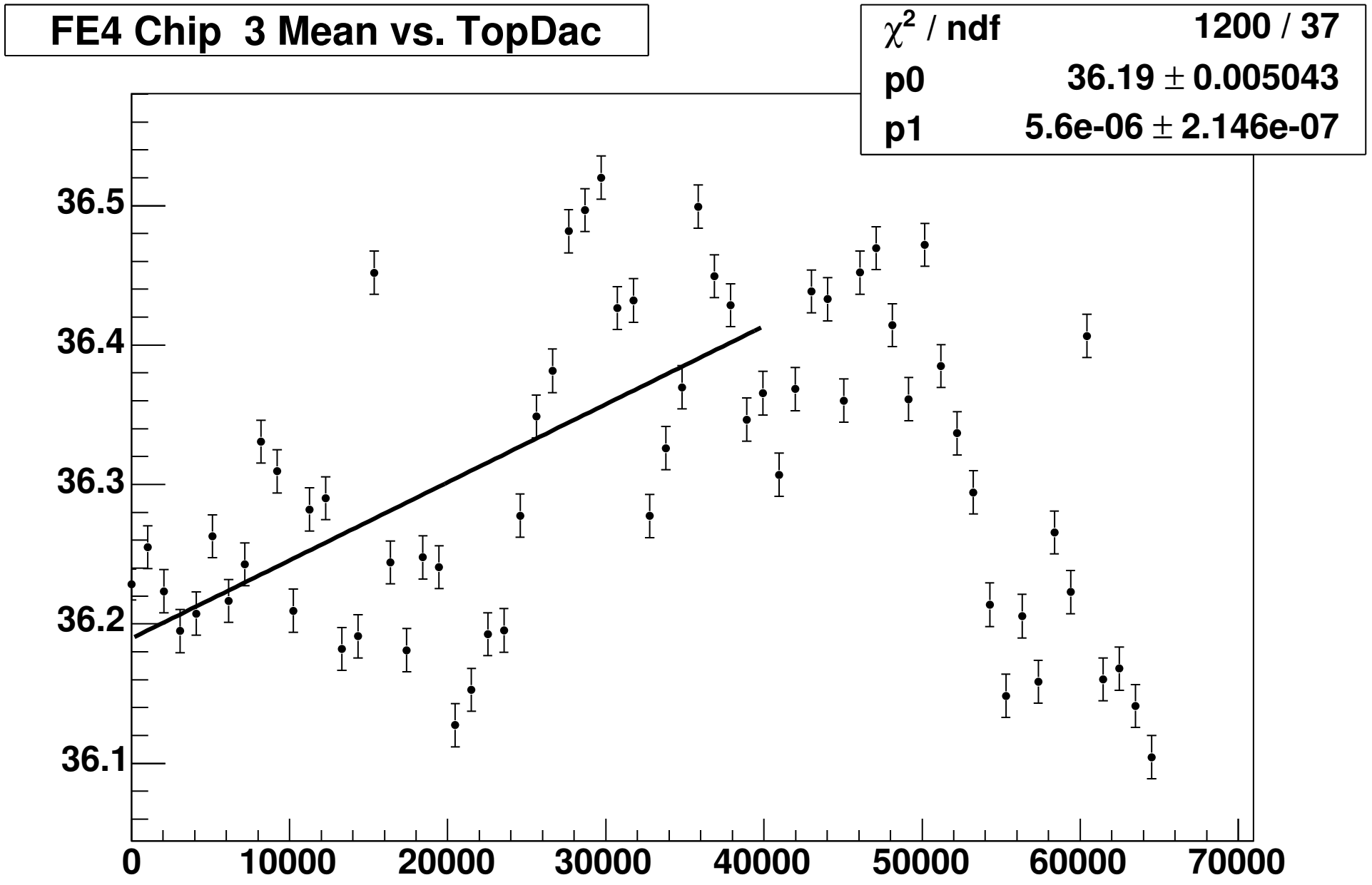
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 1200 / 37
p0 36.19 ± 0.005043
p1 5.6e-06 ± 2.146e-07
36.5
36.4
36.3
36.2
36.1
0
10000
20000
30000
40000
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60000
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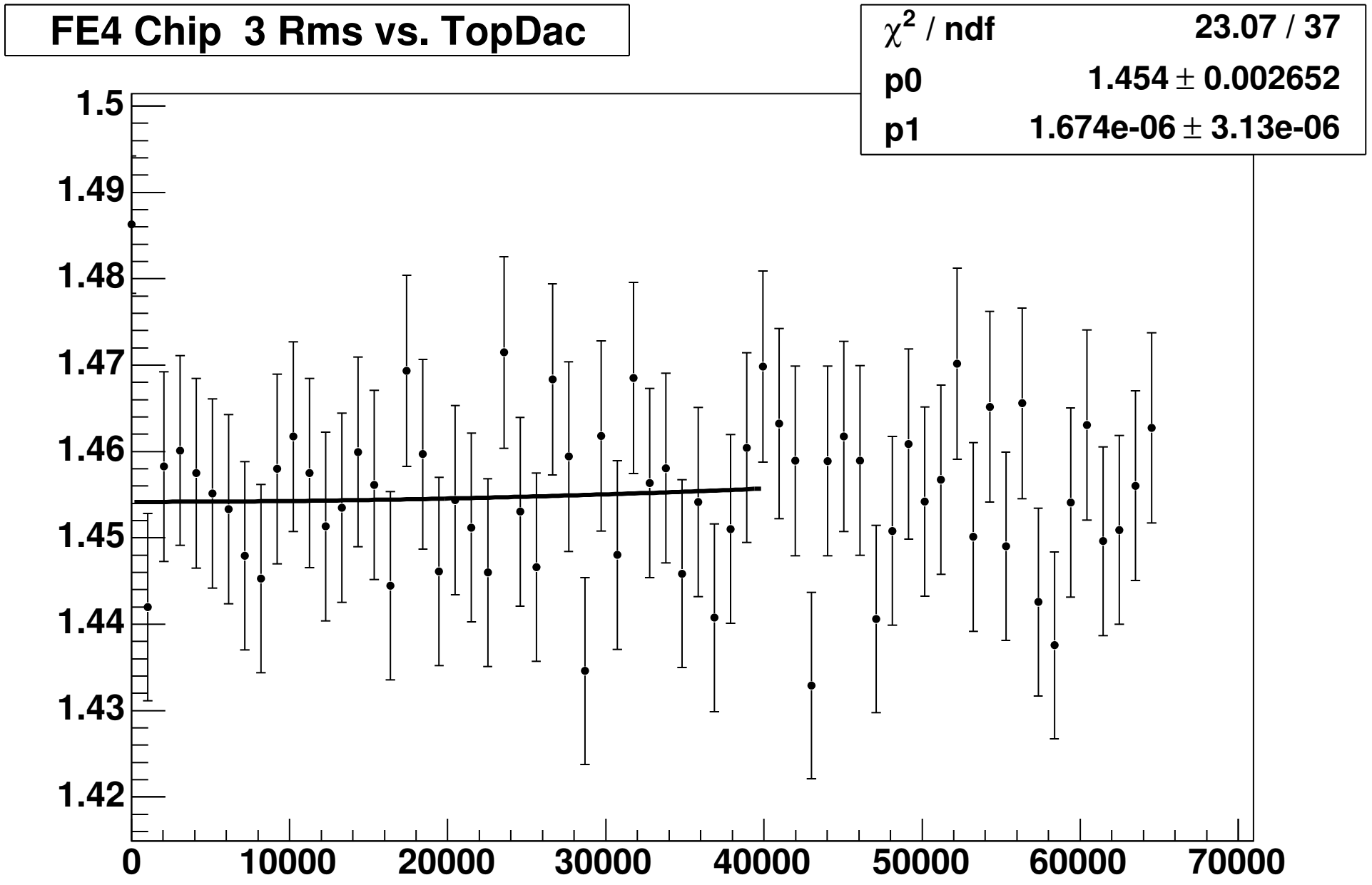
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 23.07 / 37
p0 1.454 ± 0.002652
p1 1.674e-06 ± 3.13e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
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50000
60000
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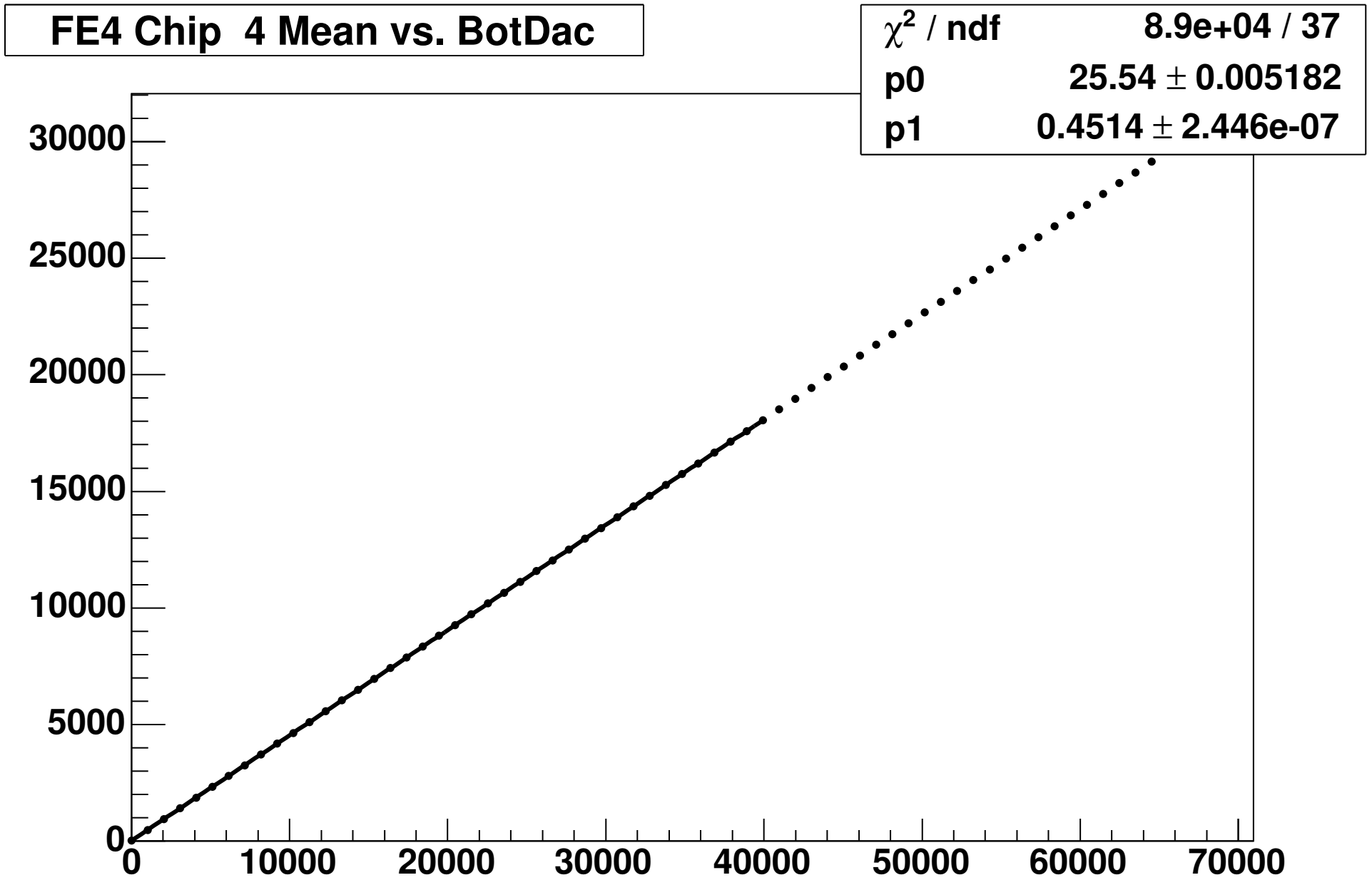
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 8.9e+04 / 37
p0 25.54 ± 0.005182
p1 0.4514 ± 2.446e-07
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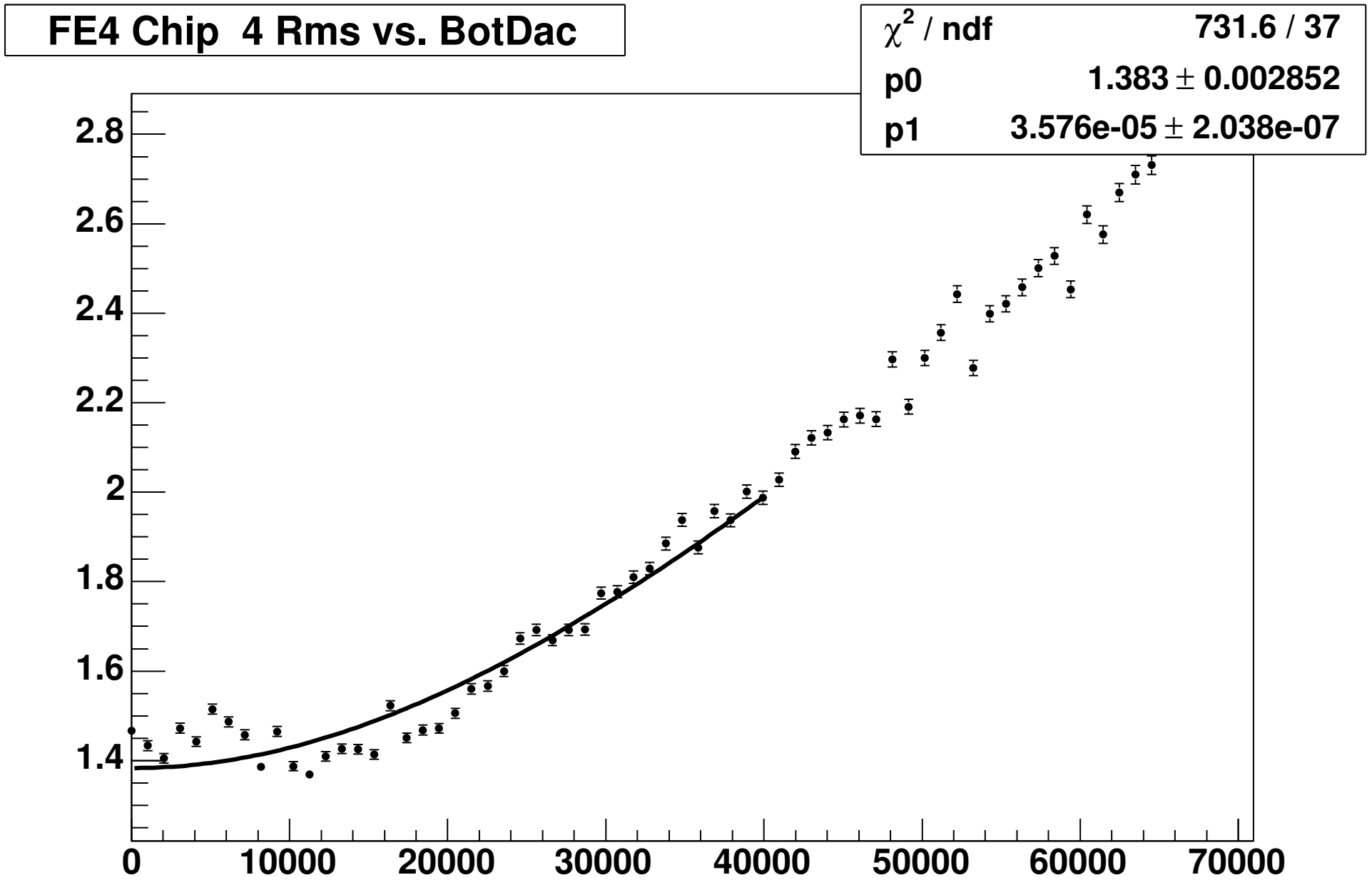
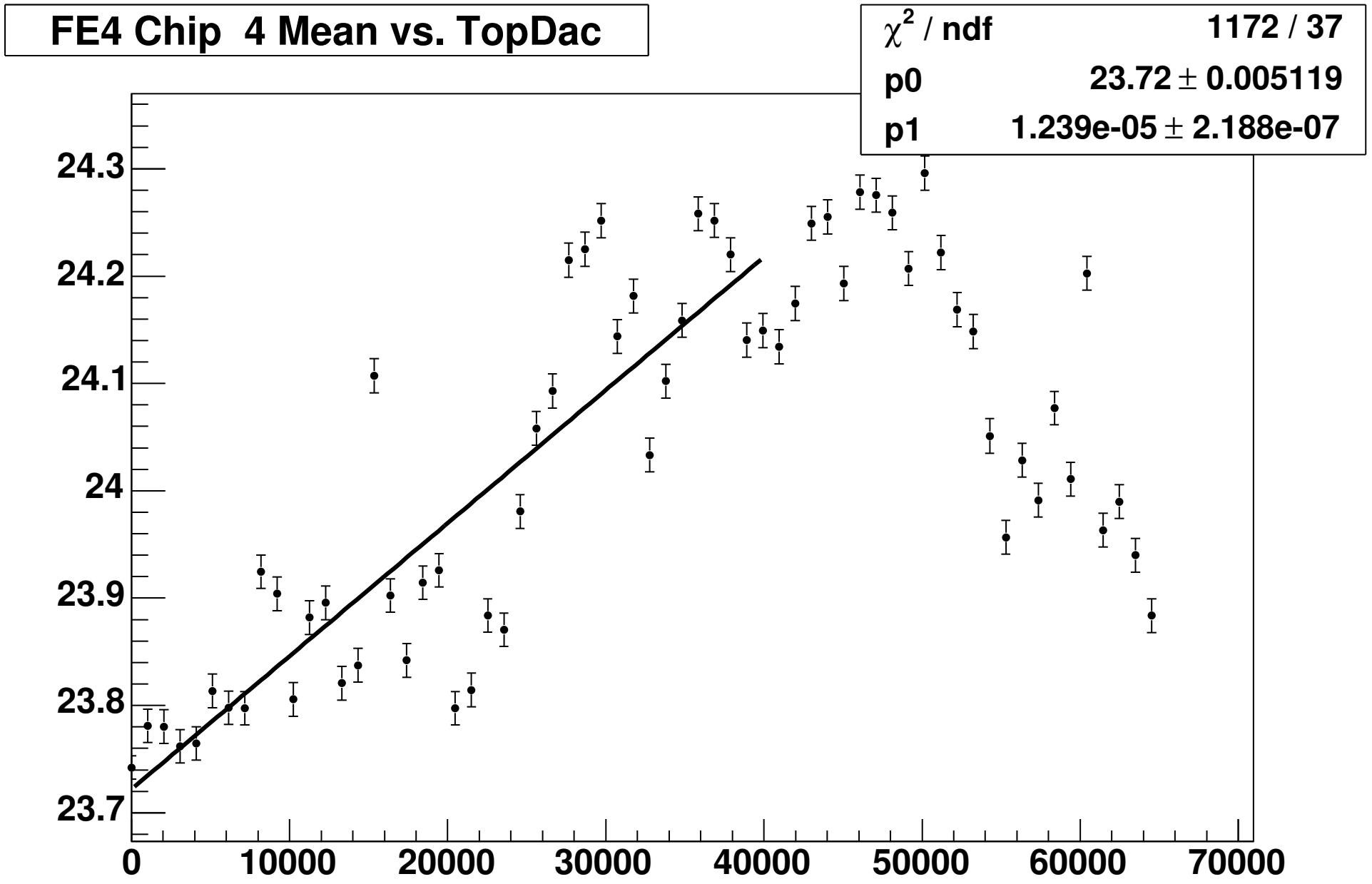
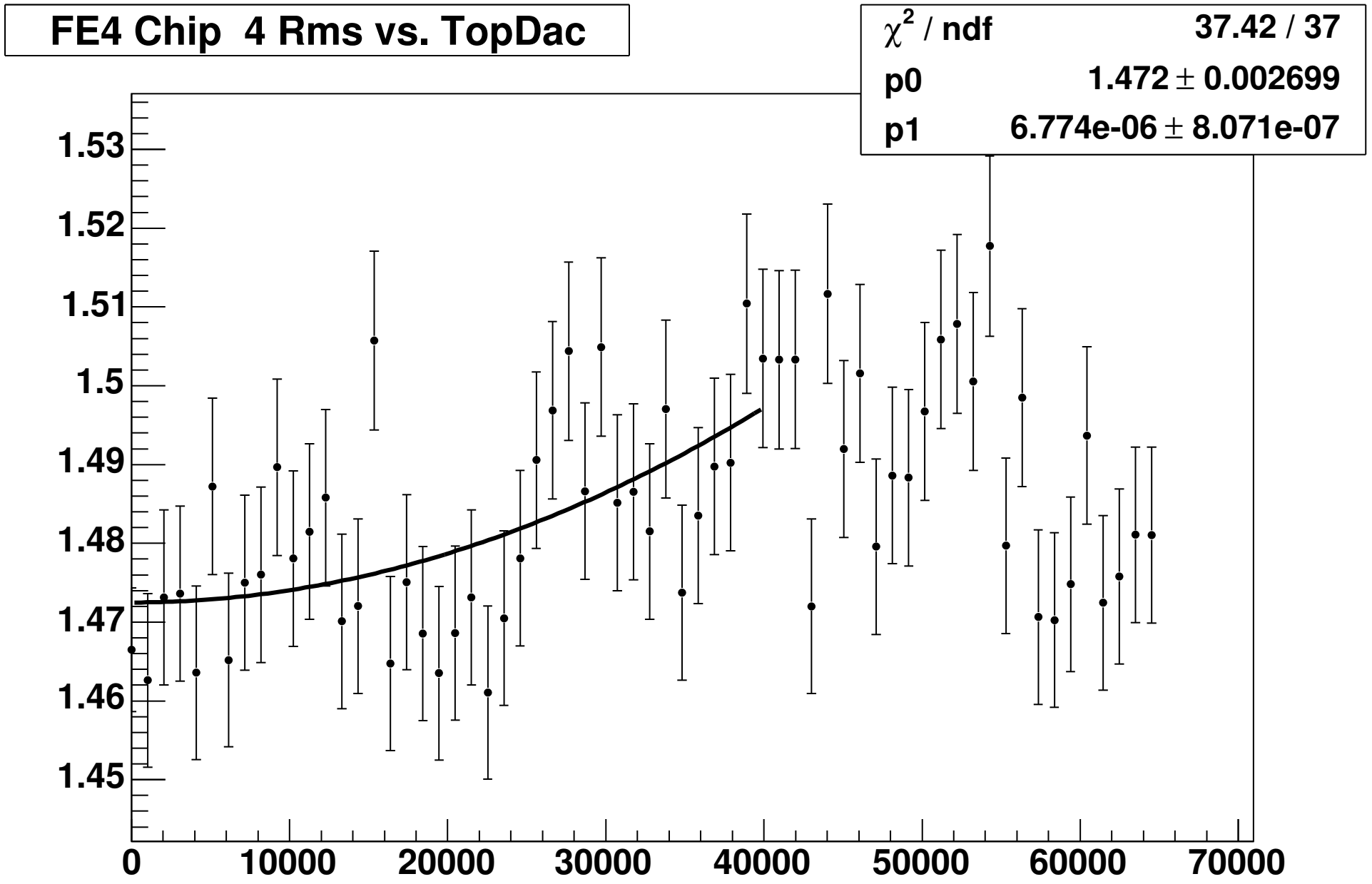
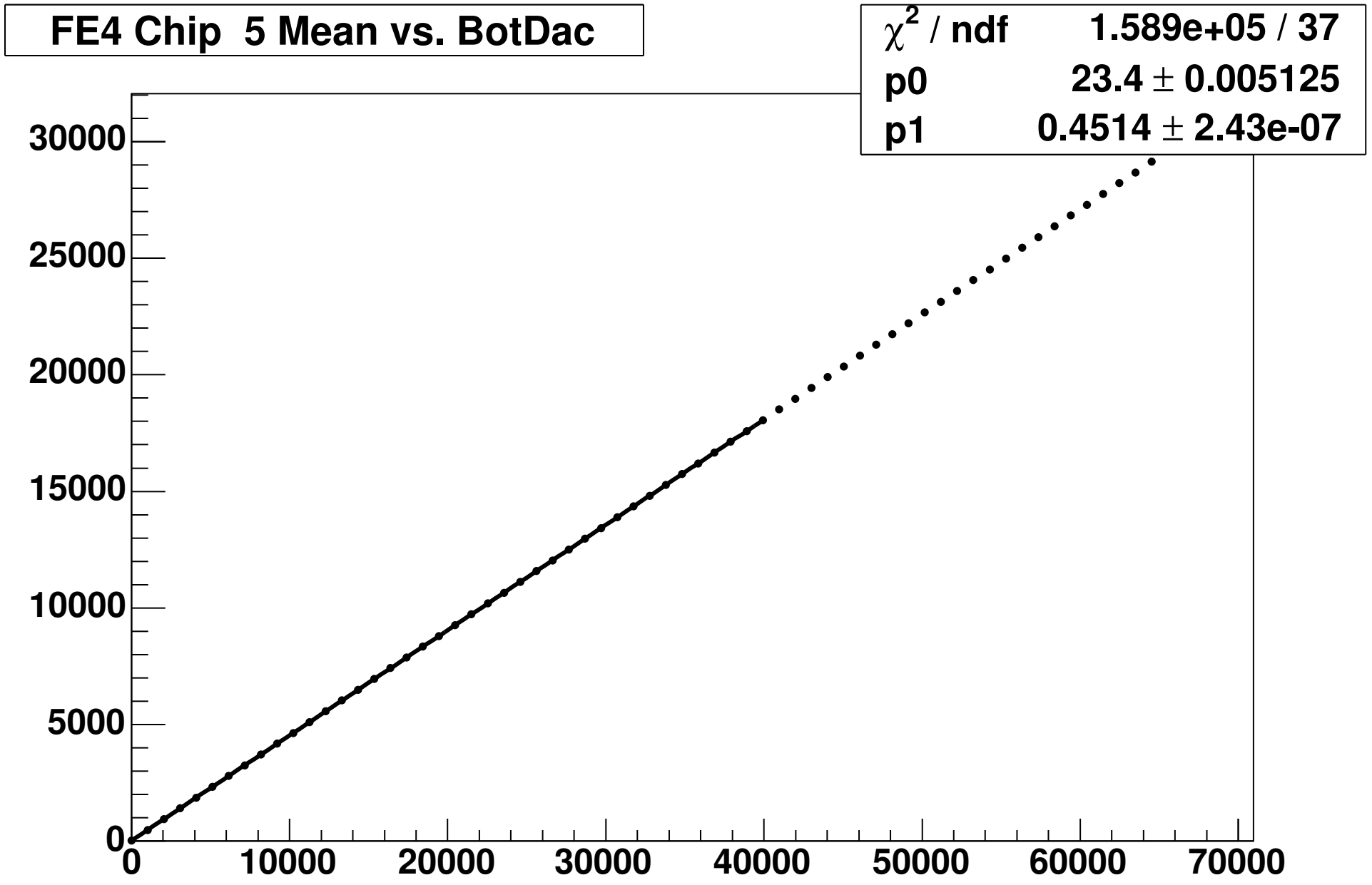
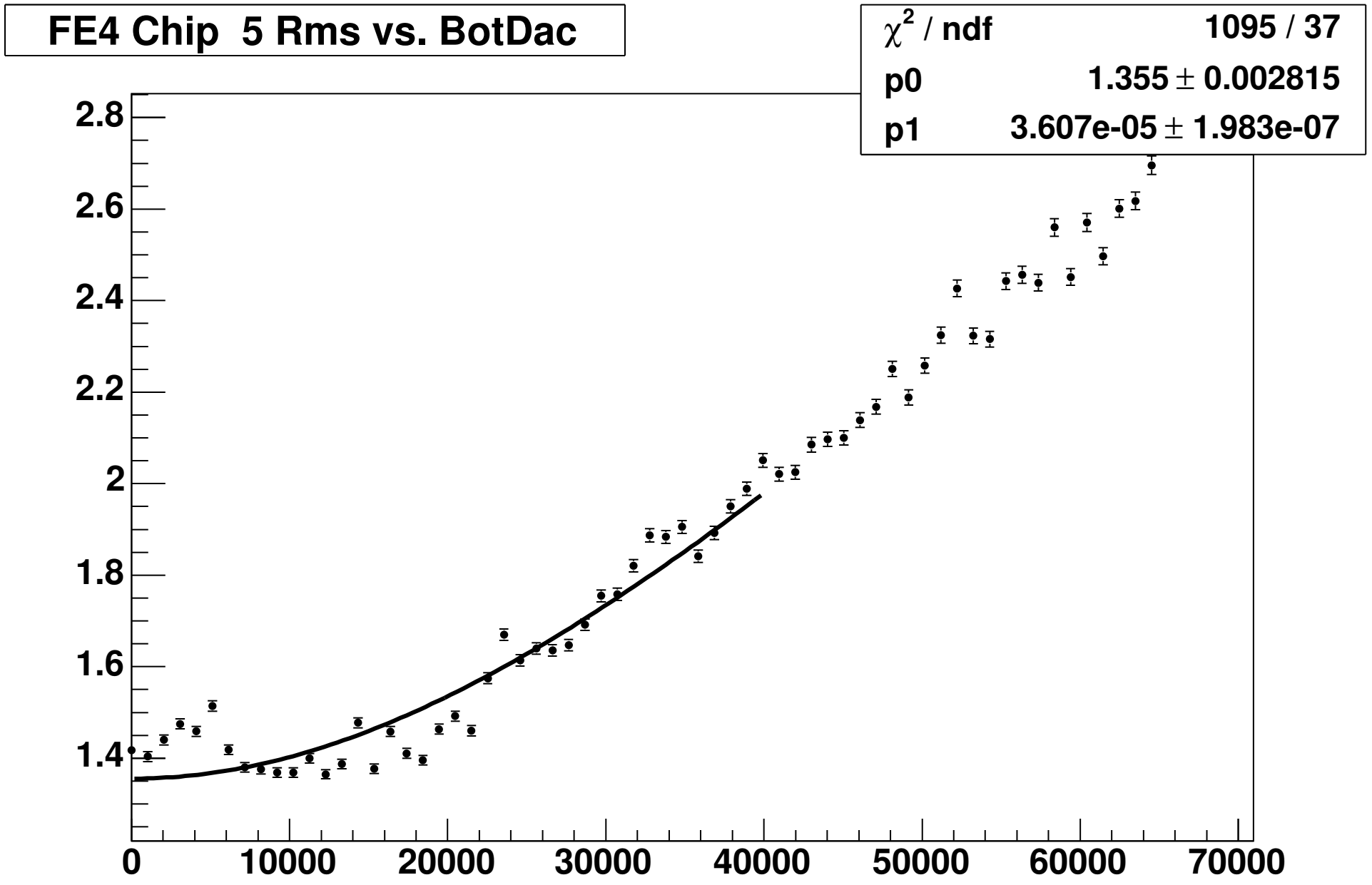
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 731.6 / 37
p0 1.383 ± 0.002852
p1 3.576e-05 ± 2.038e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 1172 / 37
p0 23.72 ± 0.005119
p1 1.239e-05 ± 2.188e-07
24.3
24.2
24.1
24
23.9
23.8
23.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ^2 / ndf 37.42 / 37
p0 1.472 ± 0.002699
p1 6.774e-06 ± 8.071e-07
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 1.589e+05 / 37
p0 23.4 ± 0.005125
p1 0.4514 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 1095 / 37
p0 1.355 ± 0.002815
p1 3.607e-05 ± 1.983e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
50000
60000
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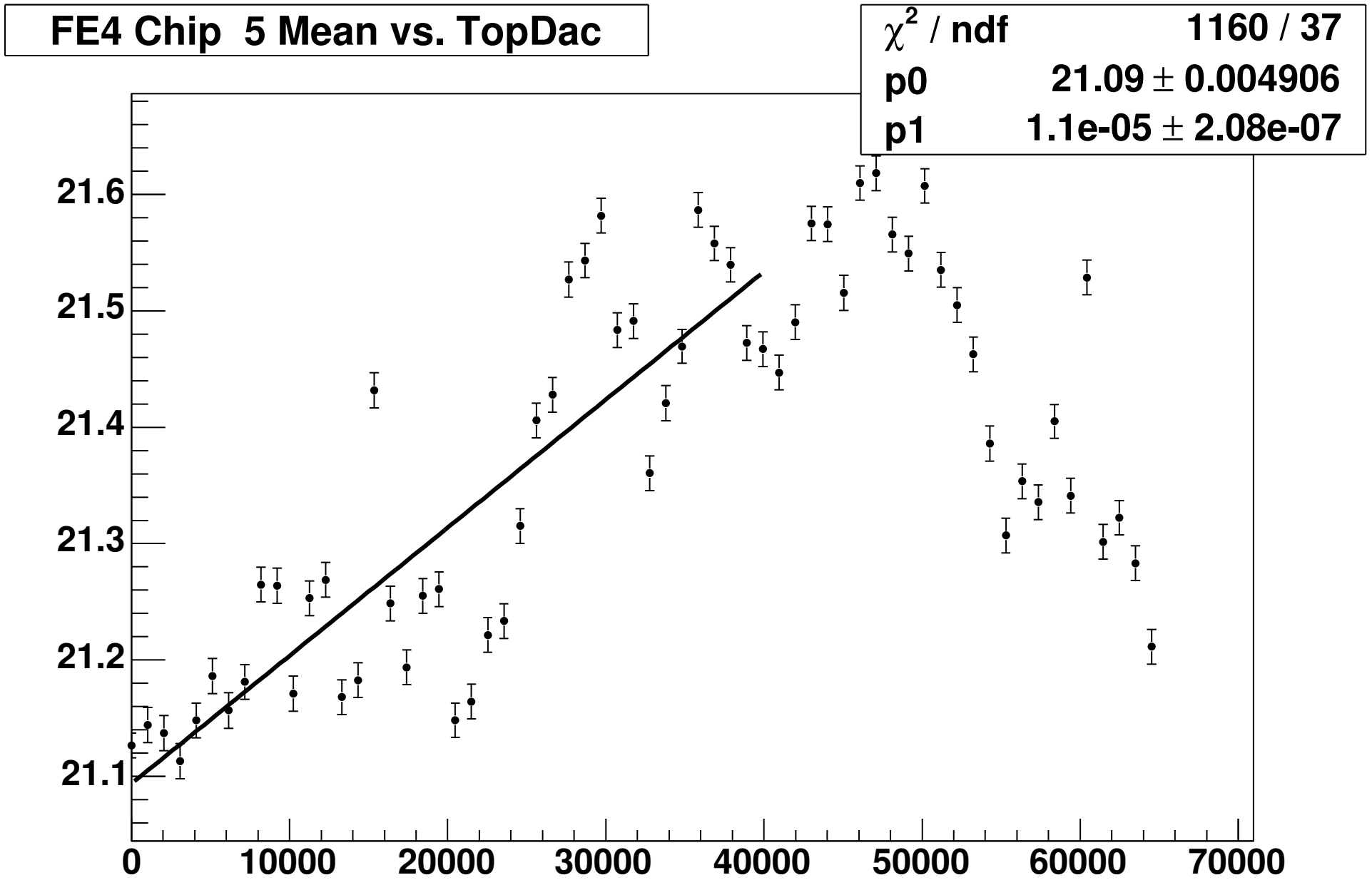
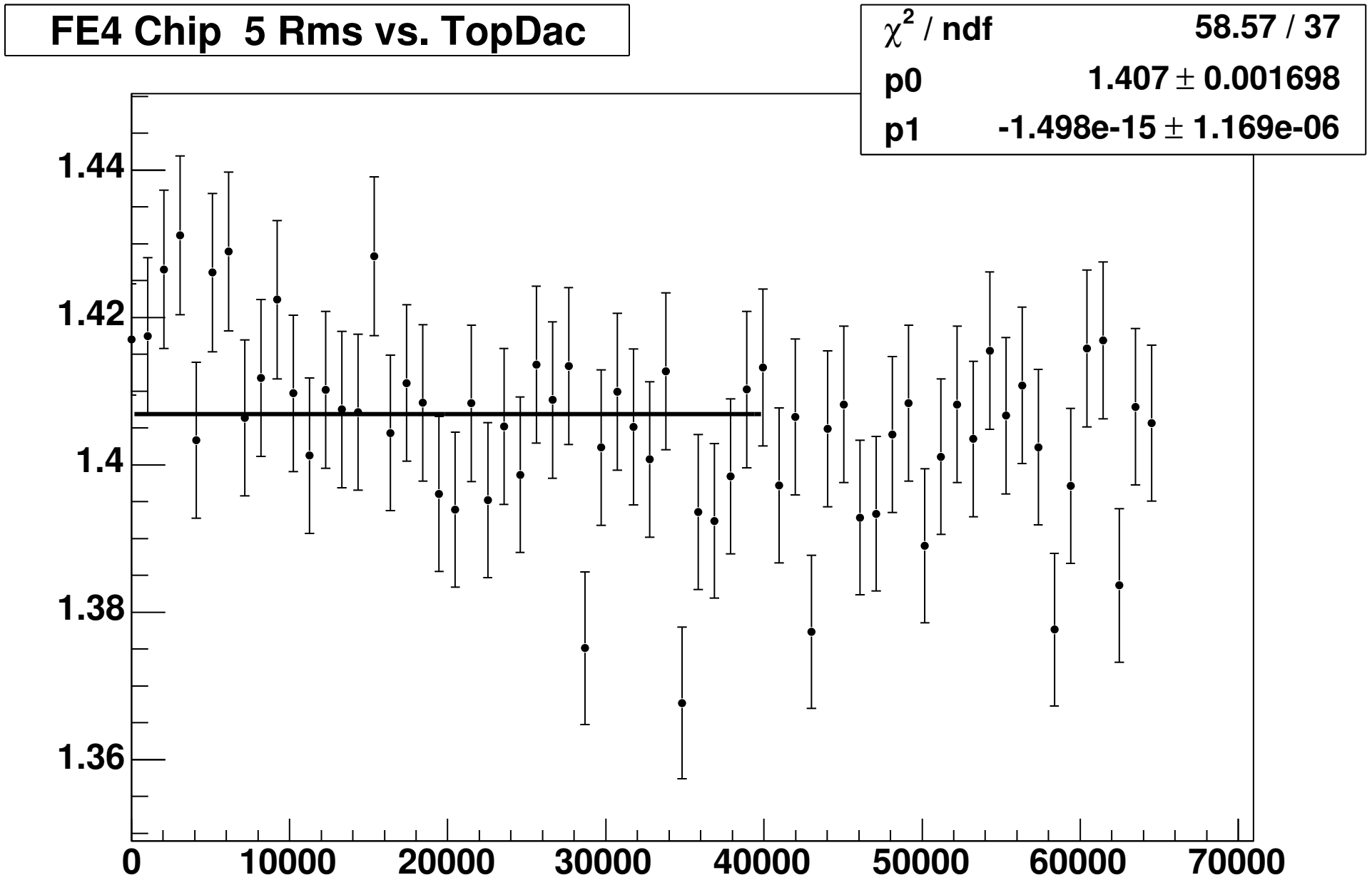
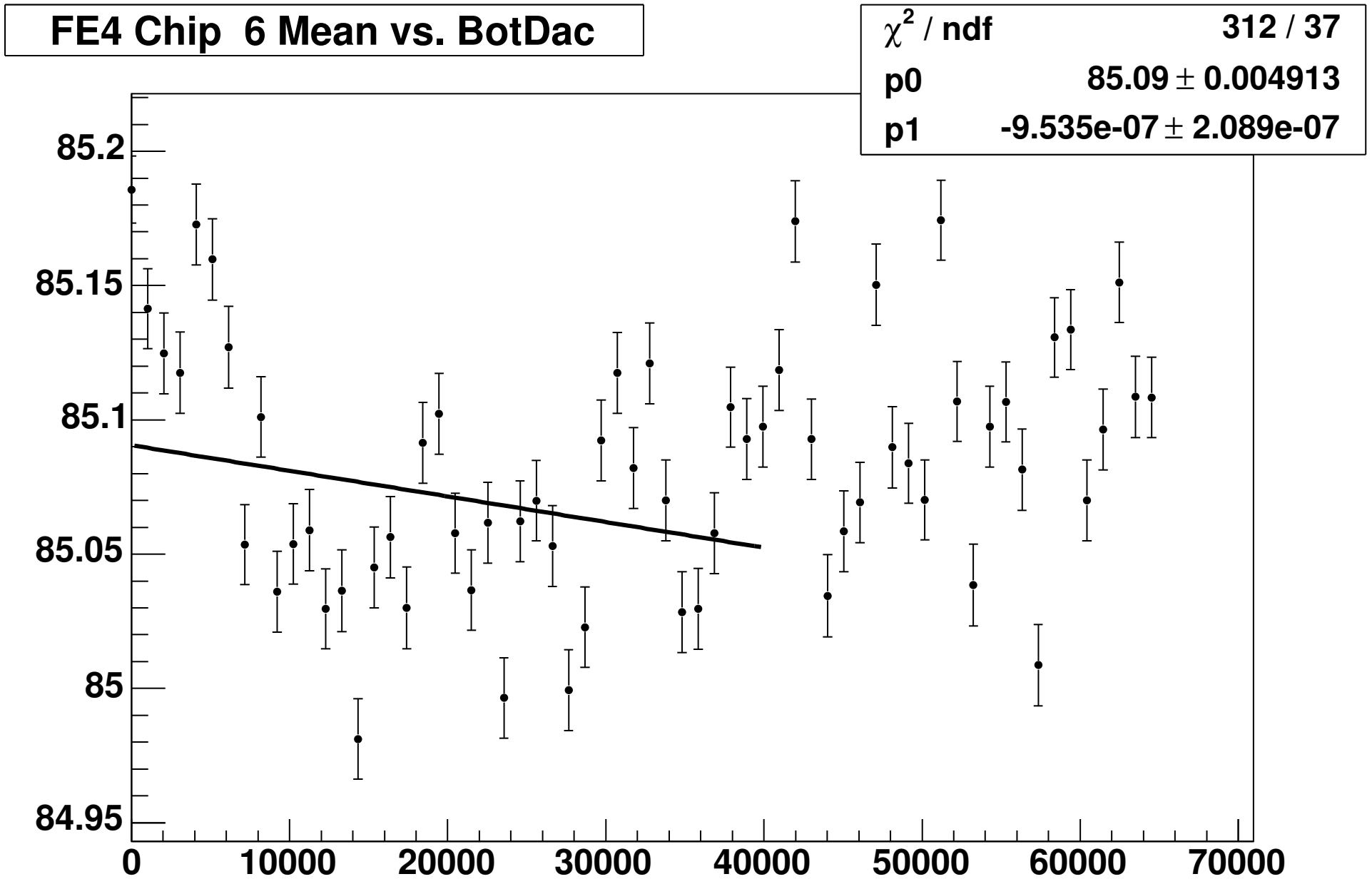
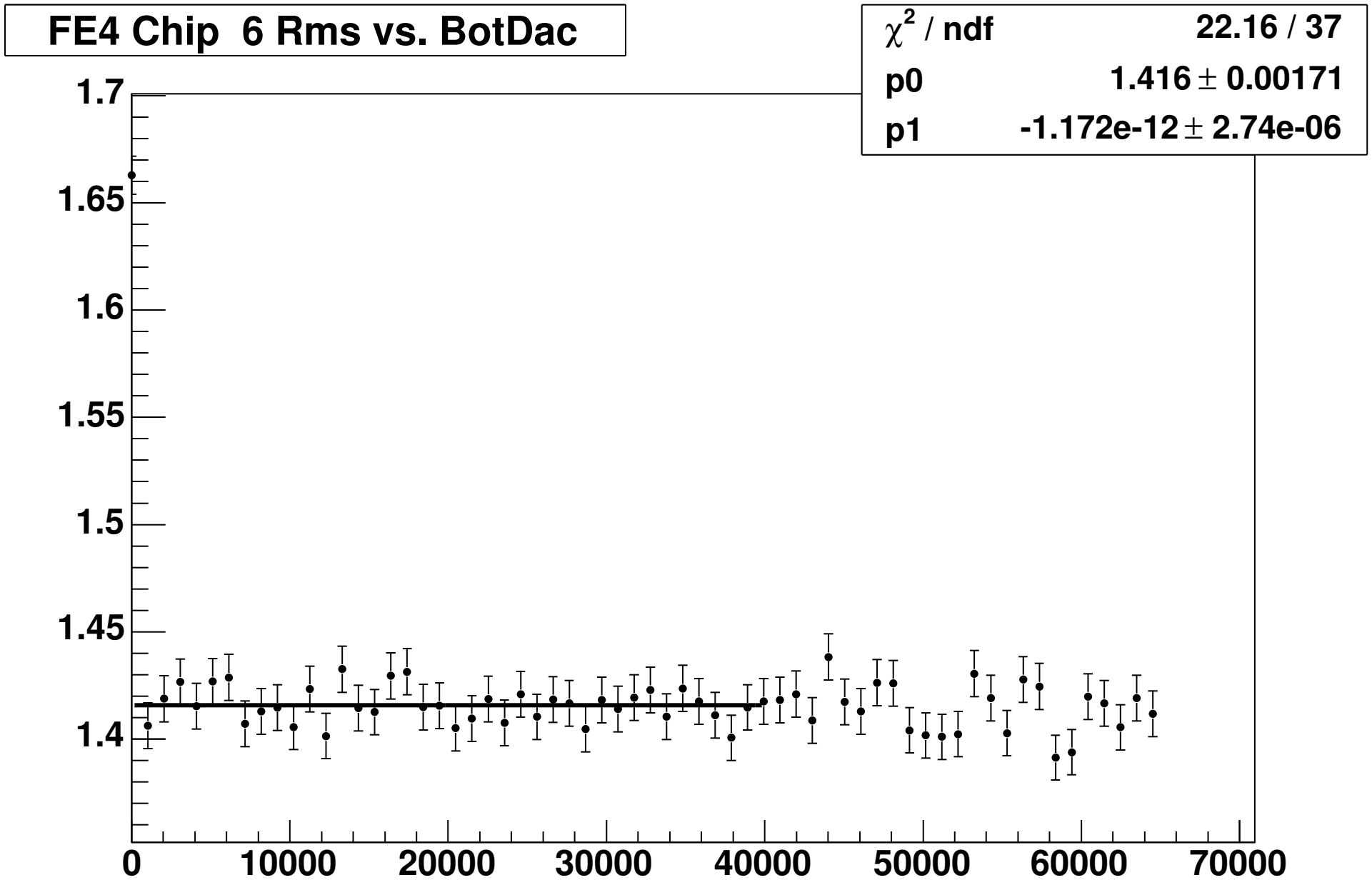

FE4 Chip 5 Mean vs. TopDac
χ² / ndf 1160 / 37
p0 21.09 ± 0.004906
p1 1.1e-05 ± 2.08e-07
21.6
21.5
21.4
21.3
21.2
21.1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 58.57 / 37
p0 1.407 ± 0.001698
p1 -1.498e-15 ± 1.169e-06
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 312 / 37
p0 85.09 ± 0.004913
p1 -9.535e-07 ± 2.089e-07
85.2
85.15
85.1
85.05
85
84.95
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 22.16 / 37
p0 1.416 ± 0.00171
p1 -1.172e-12 ± 2.74e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
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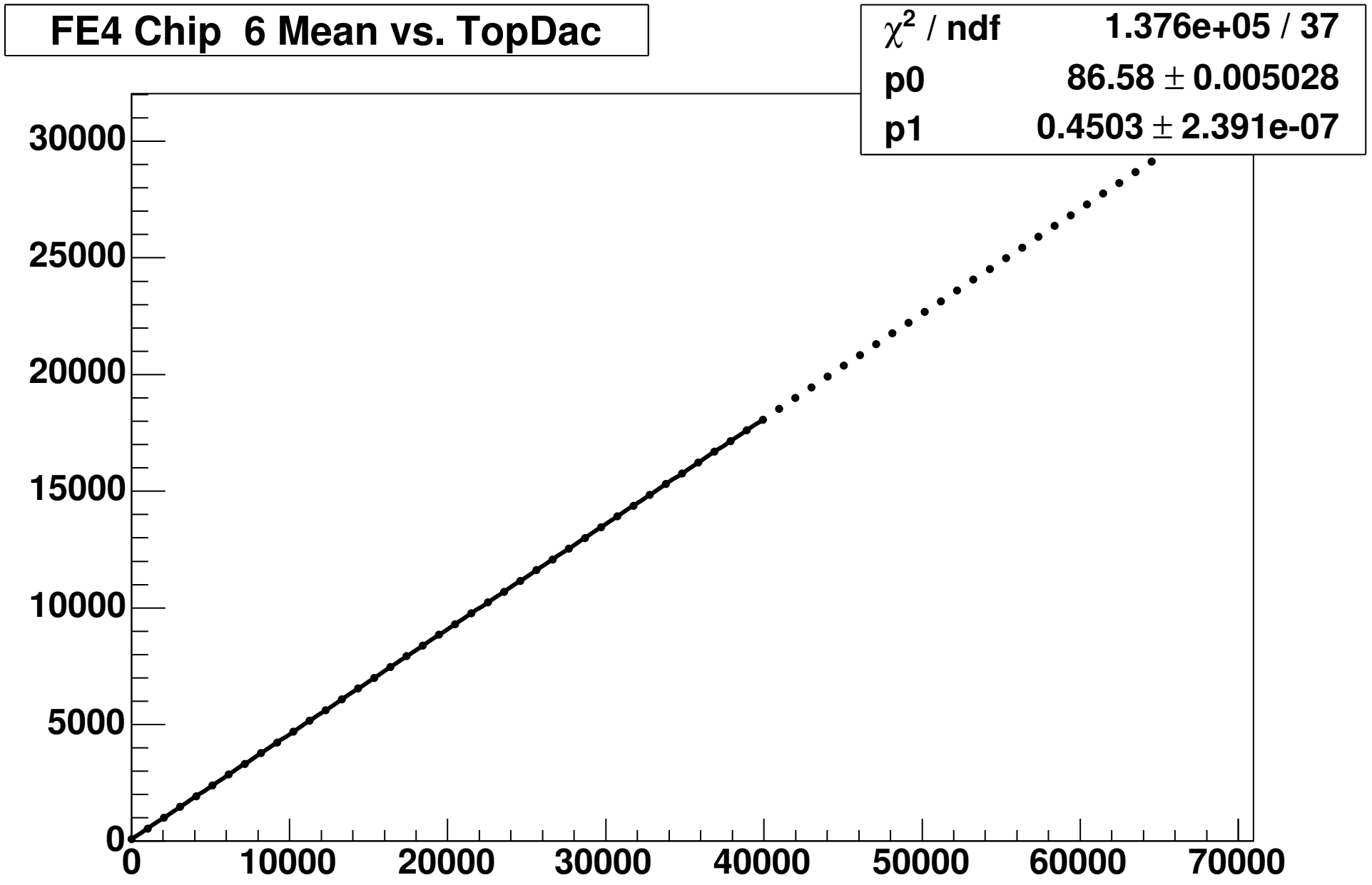
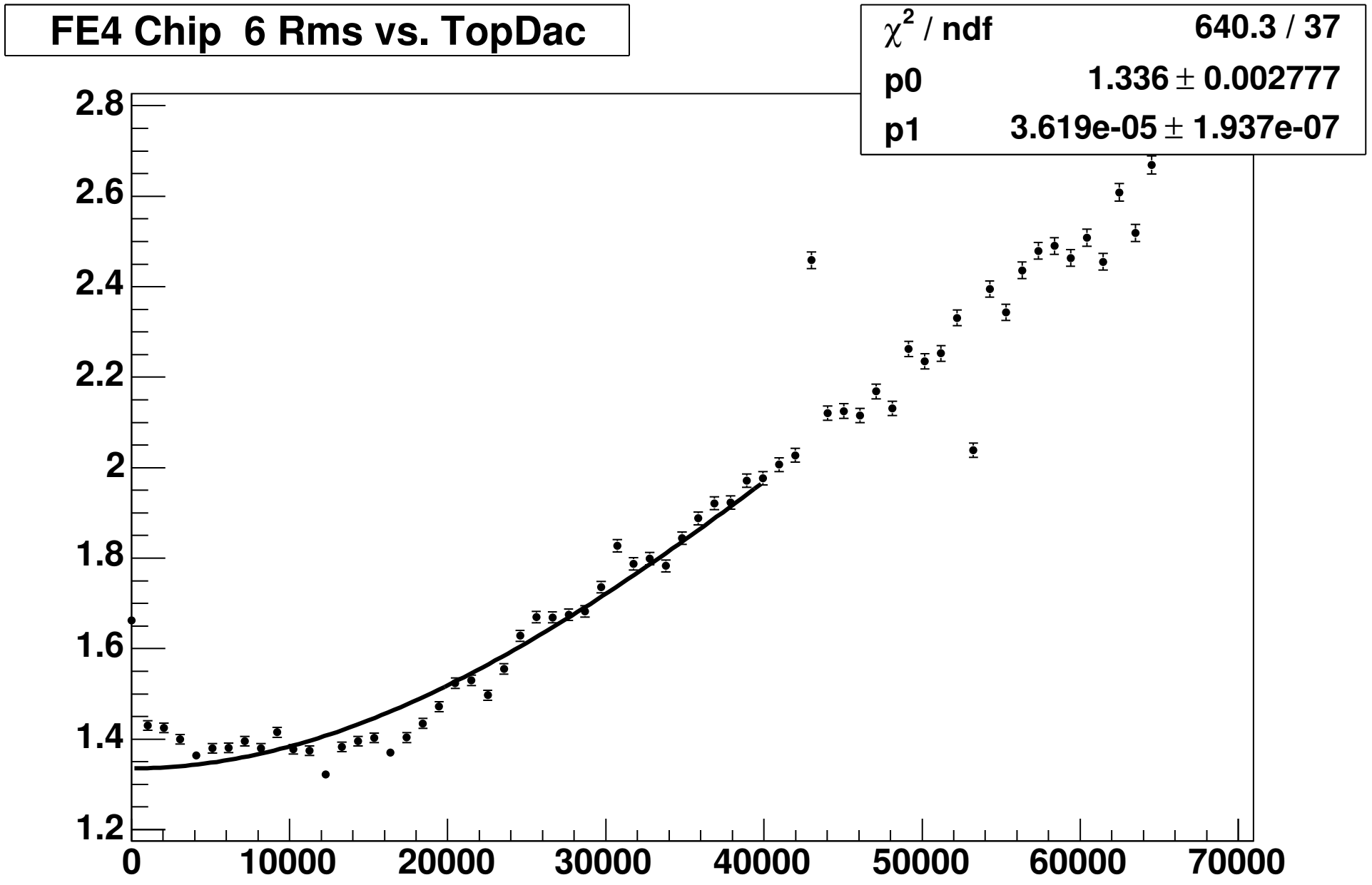
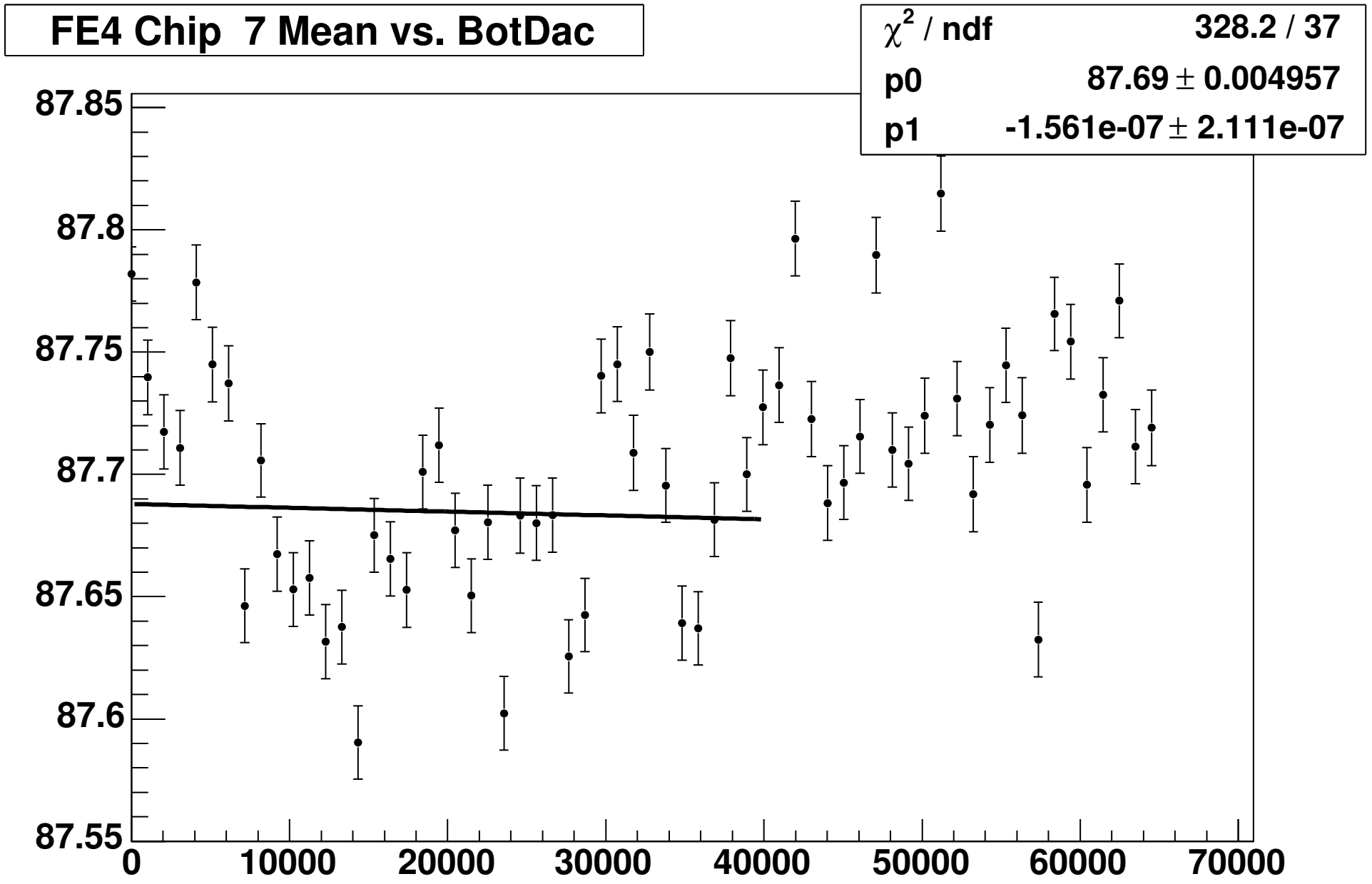
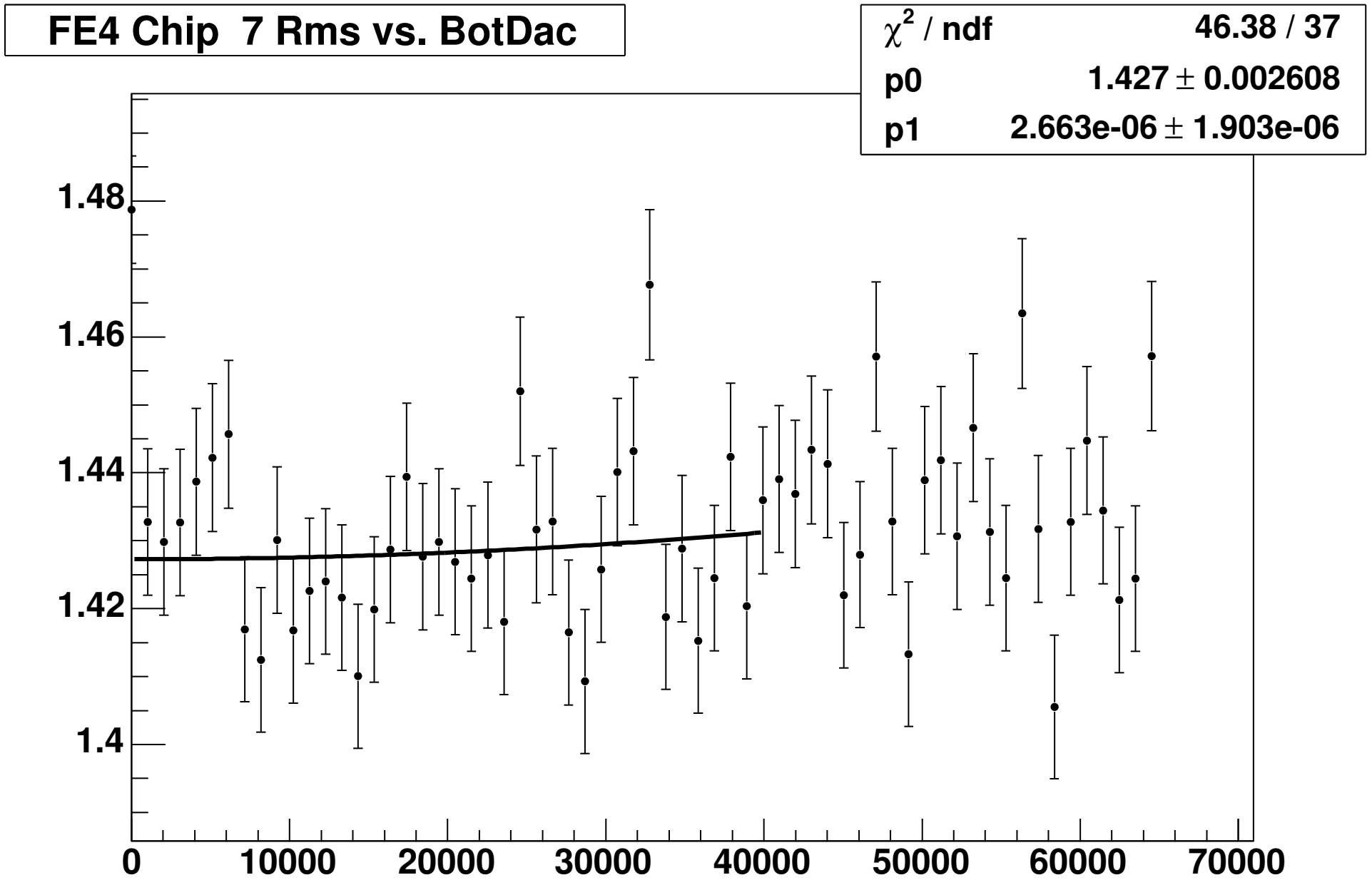
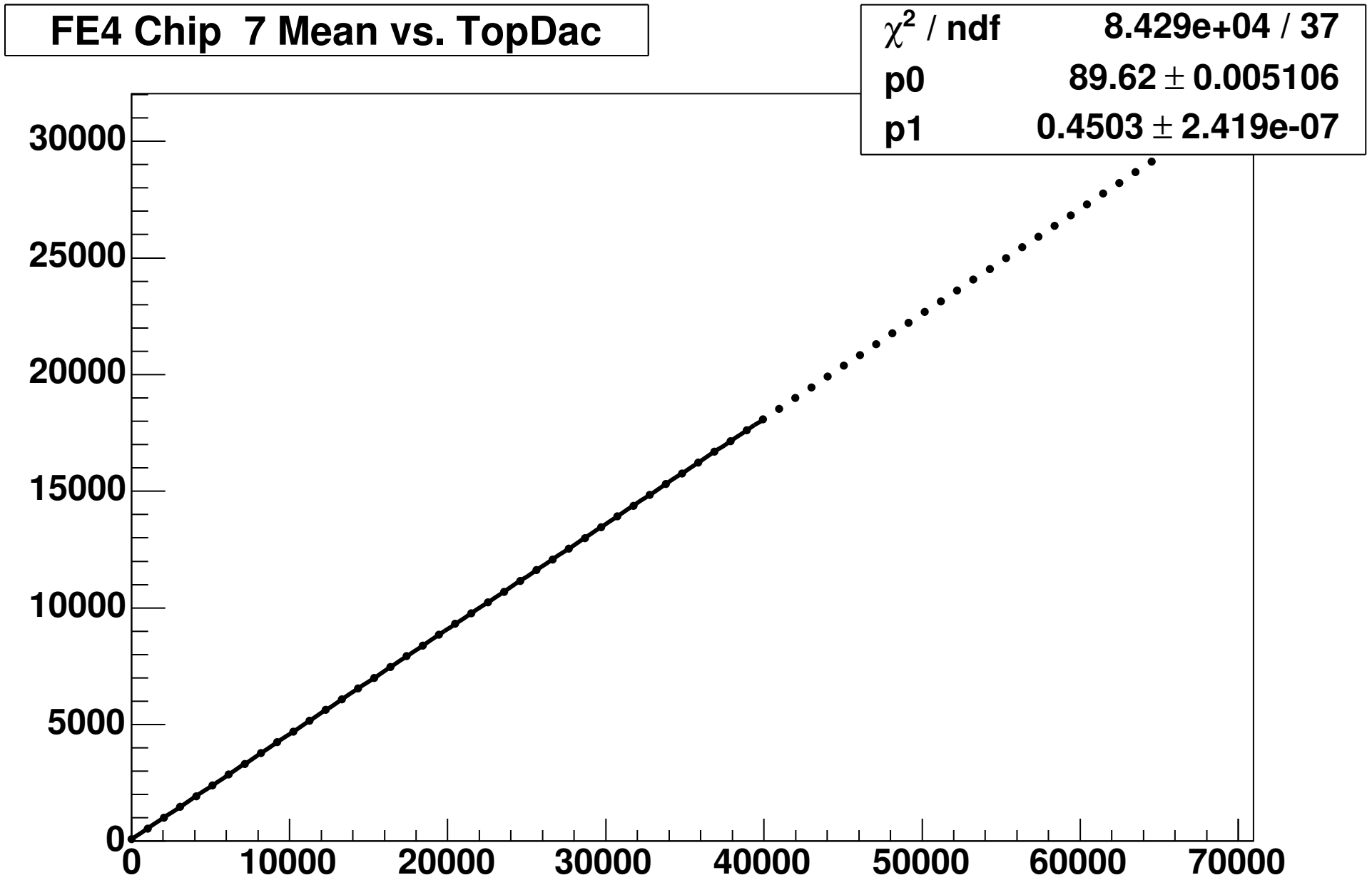
50000
60000
70000

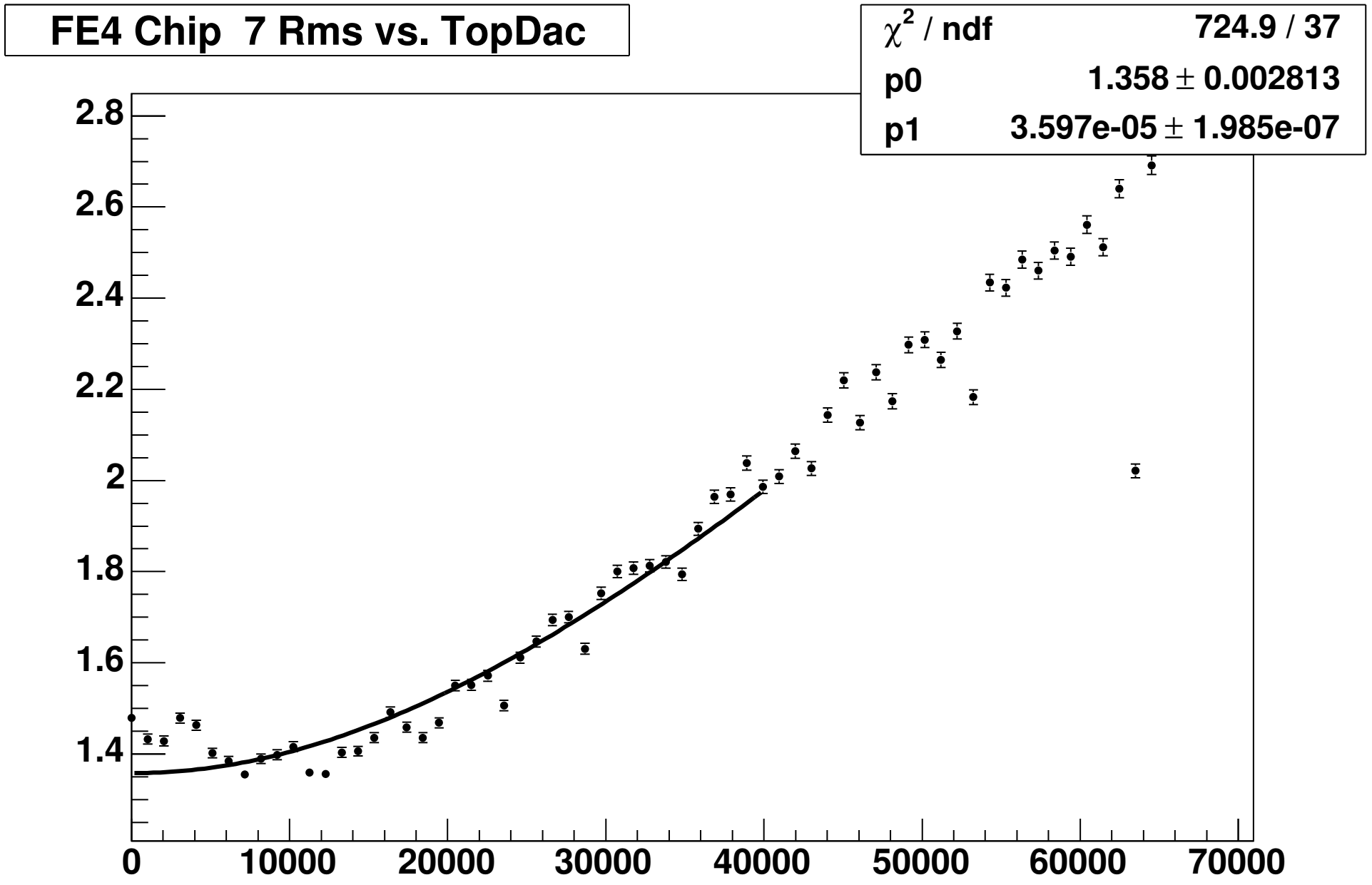

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.376e+05 / 37
p0 86.58 ± 0.005028
p1 0.4503 ± 2.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

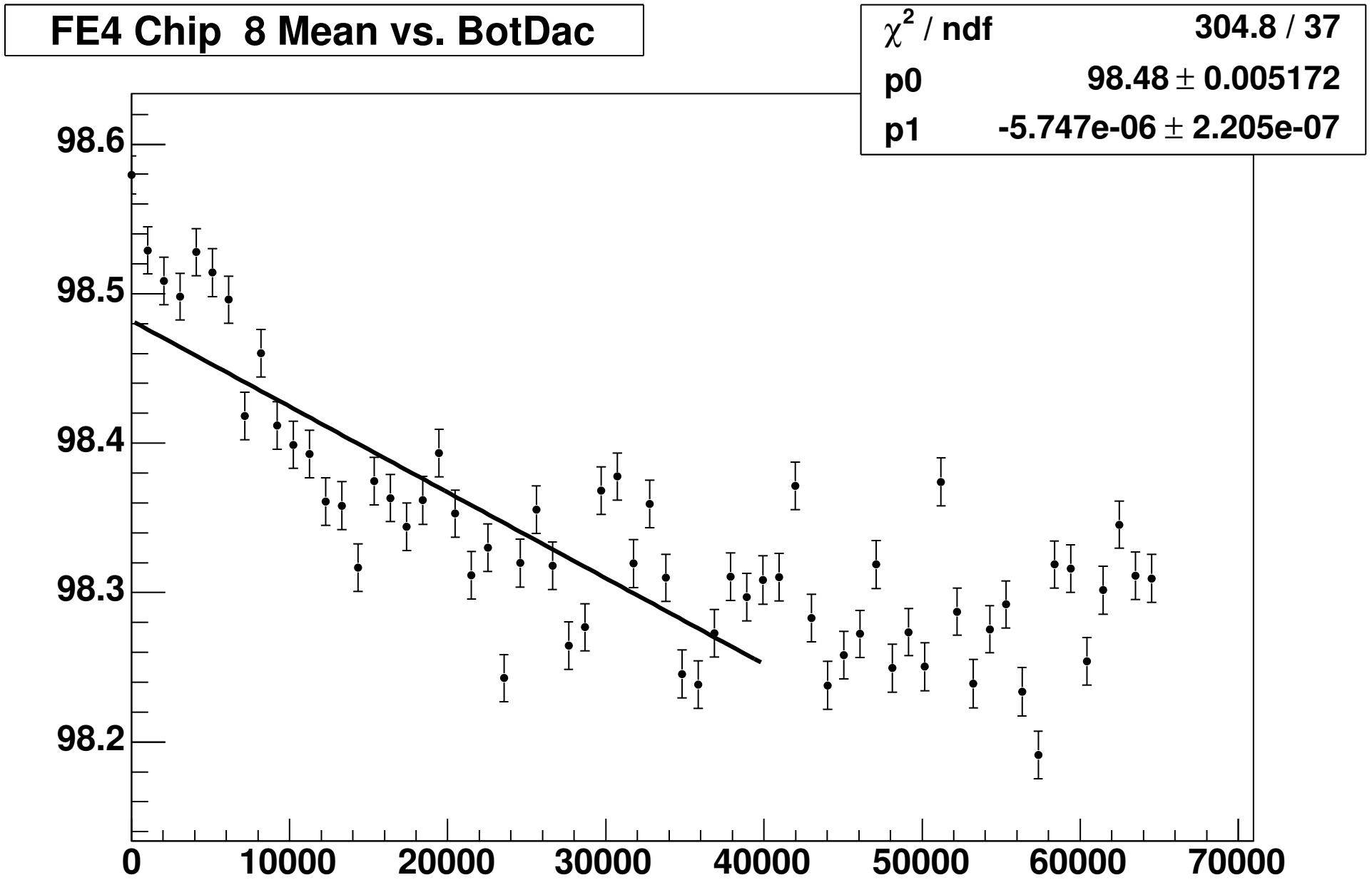

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 640.3 / 37
p0 1.336 ± 0.002777
p1 3.619e-05 ± 1.937e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 328.2 / 37
p0 87.69 ± 0.004957
p1 -1.561e-07 ± 2.111e-07
87.85
87.8
87.75
87.7
87.65
87.6
87.55
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 46.38 / 37
p0 1.427 ± 0.002608
p1 2.663e-06 ± 1.903e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 8.429e+04 / 37
p0 89.62 ± 0.005106
p1 0.4503 ± 2.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 724.9 / 37
p0 1.358 ± 0.002813
p1 3.597e-05 ± 1.985e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 304.8 / 37
p0 98.48 ± 0.005172
p1 -5.747e-06 ± 2.205e-07
98.6
98.5
98.4
98.3
98.2
0
10000
20000
30000
40000
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60000
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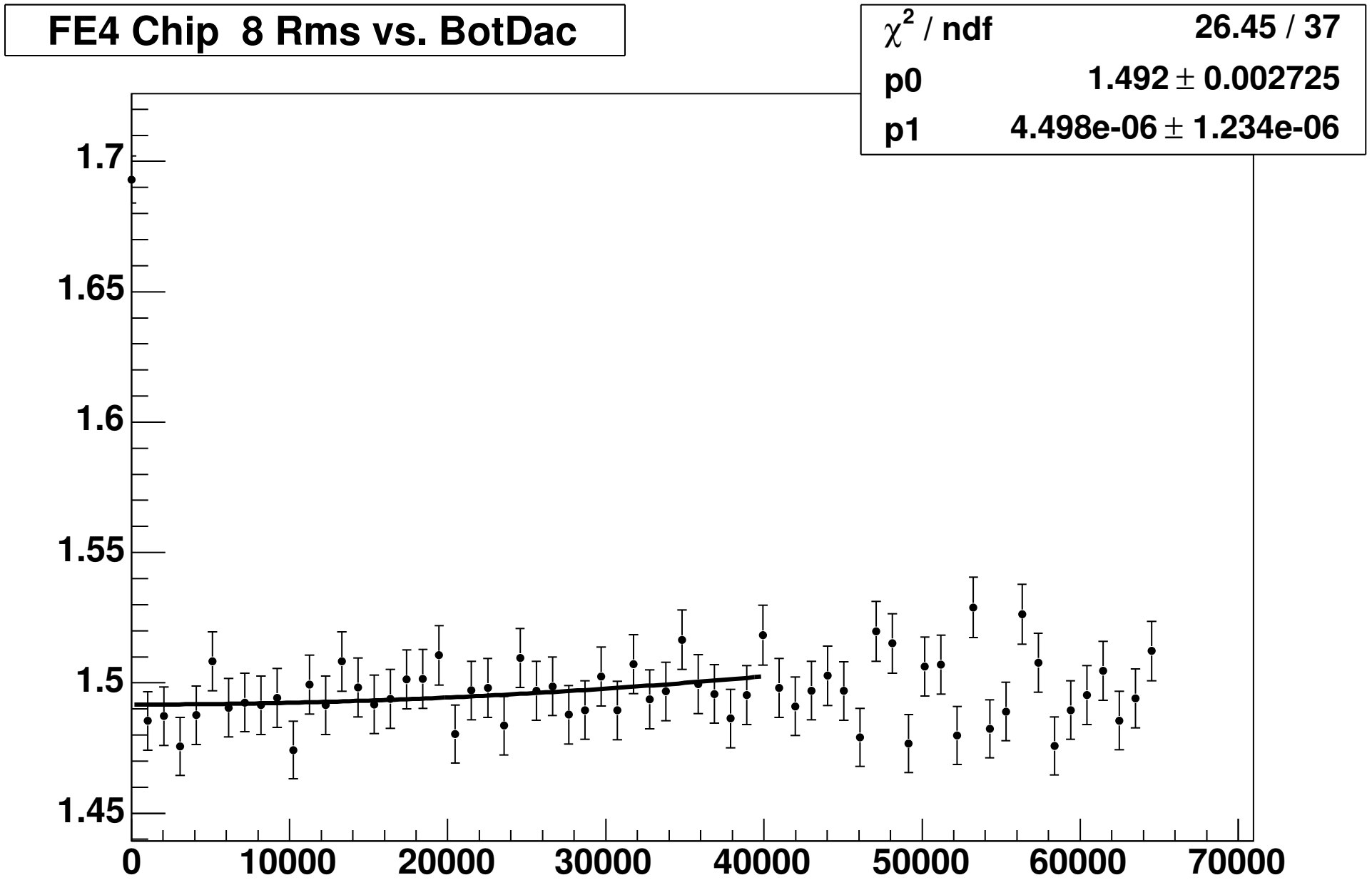
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 26.45 / 37
p0 1.492 ± 0.002725
p1 4.498e-06 ± 1.234e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
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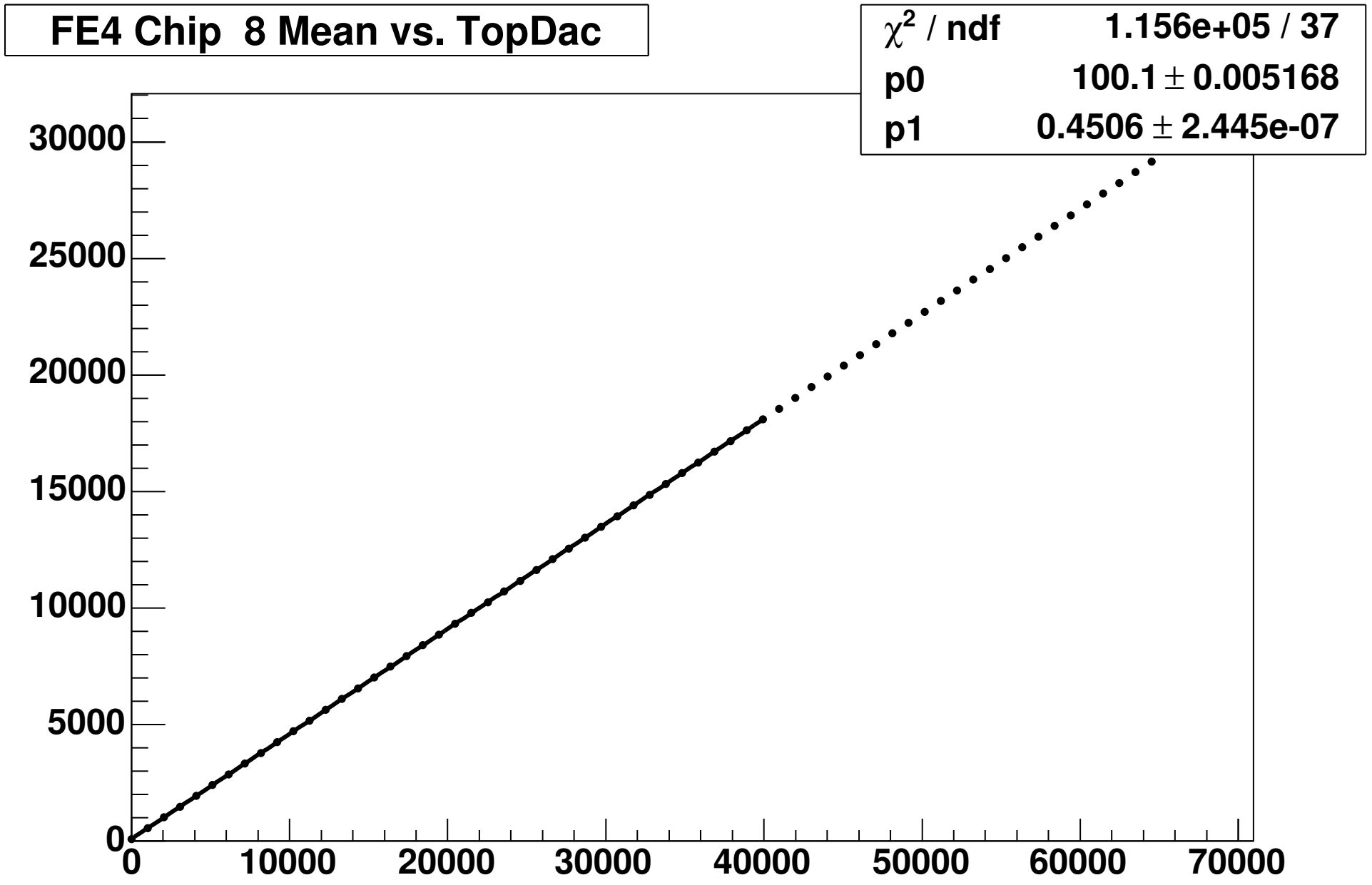
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 1.156e+05 / 37
p0 100.1 ± 0.005168
p1 0.4506 ± 2.445e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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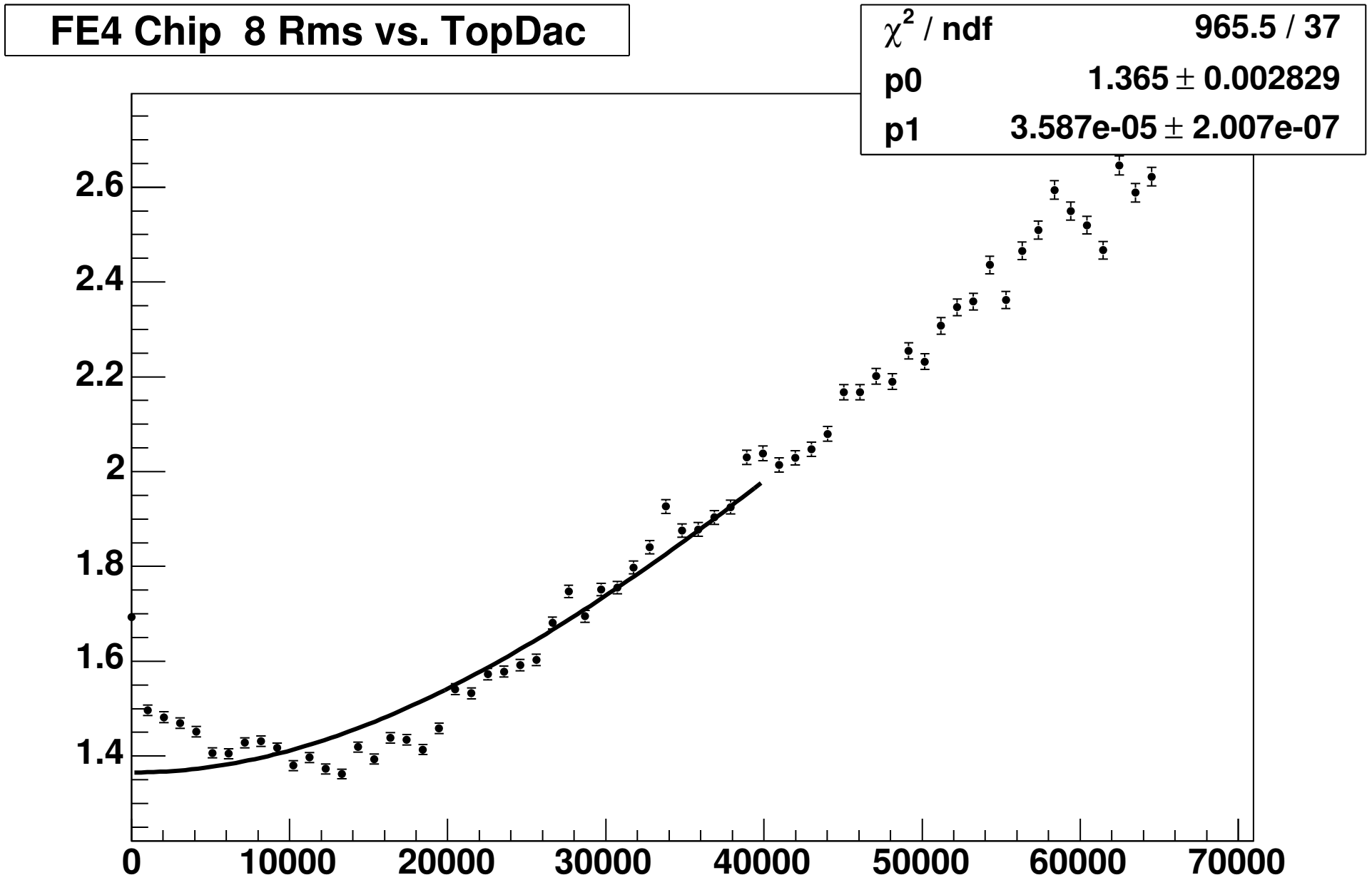
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 965.5 / 37
p0 1.365 ± 0.002829
p1 3.587e-05 ± 2.007e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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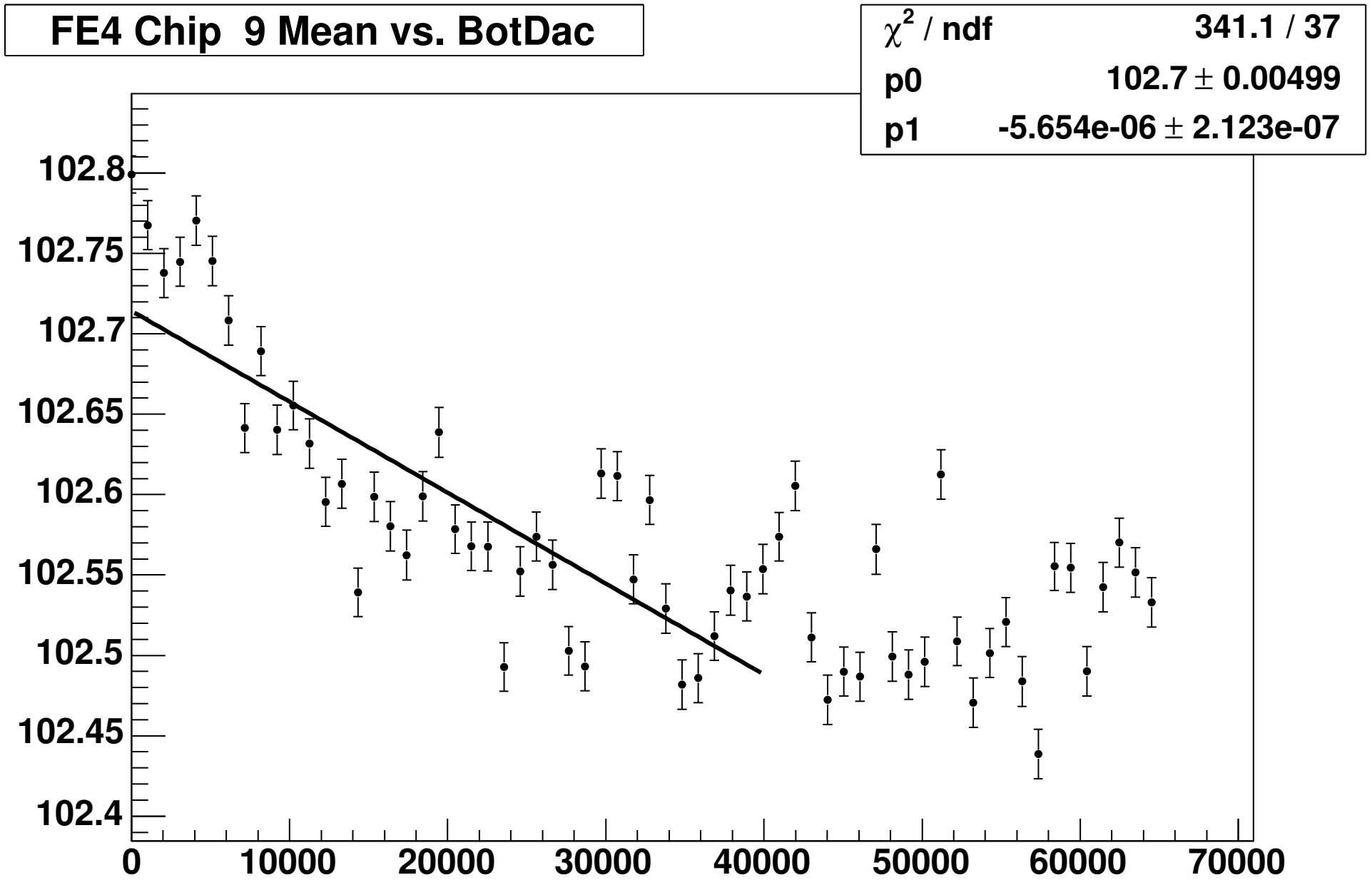
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 341.1 / 37
p0 102.7 ± 0.00499
p1 -5.654e-06 ± 2.123e-07
102.8
102.75
102.7
102.65
102.6
102.55
102.5
102.45
102.4
0
10000
20000
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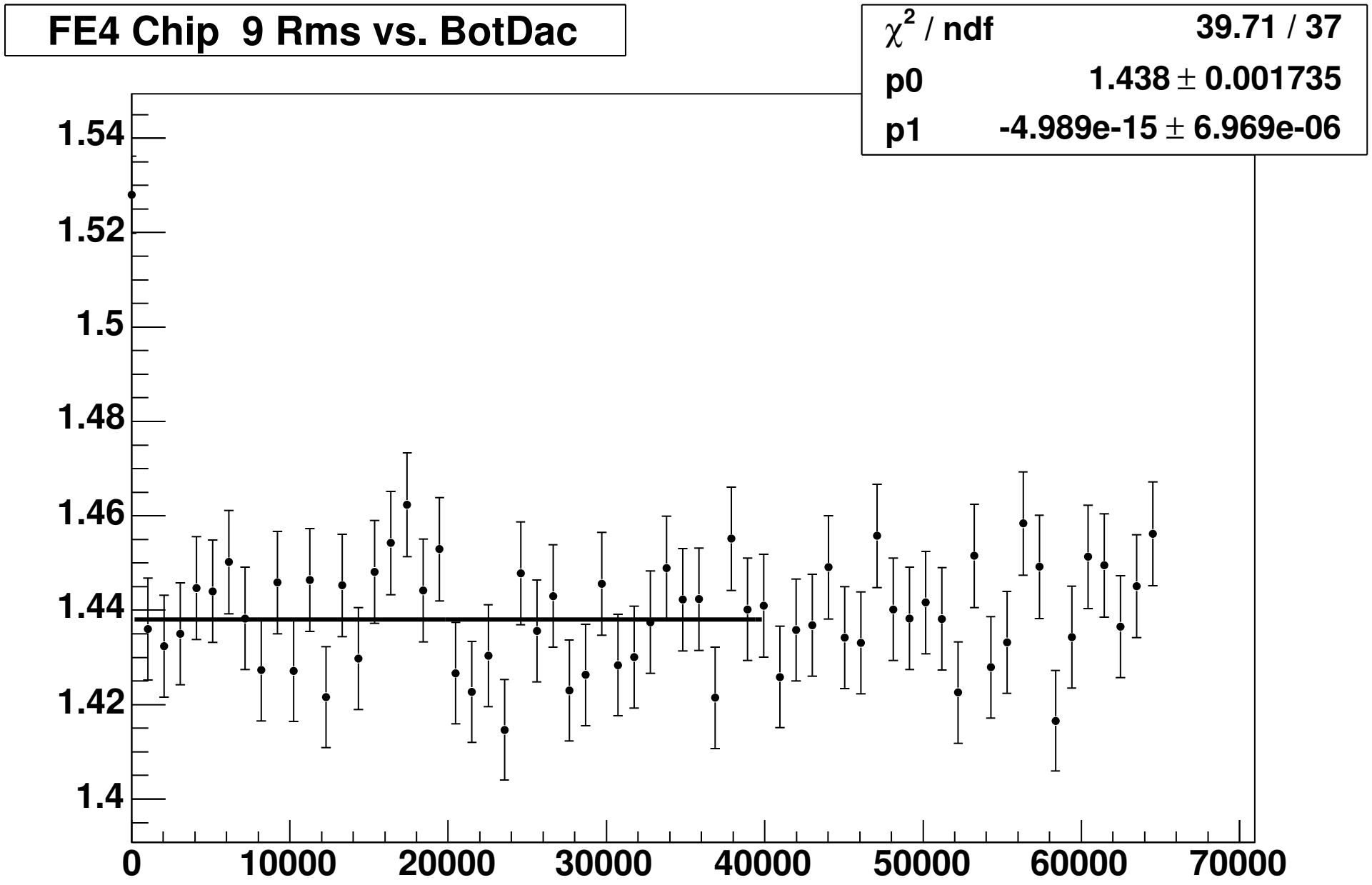
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 39.71 / 37
p0 1.438 ± 0.001735
p1 -4.989e-15 ± 6.969e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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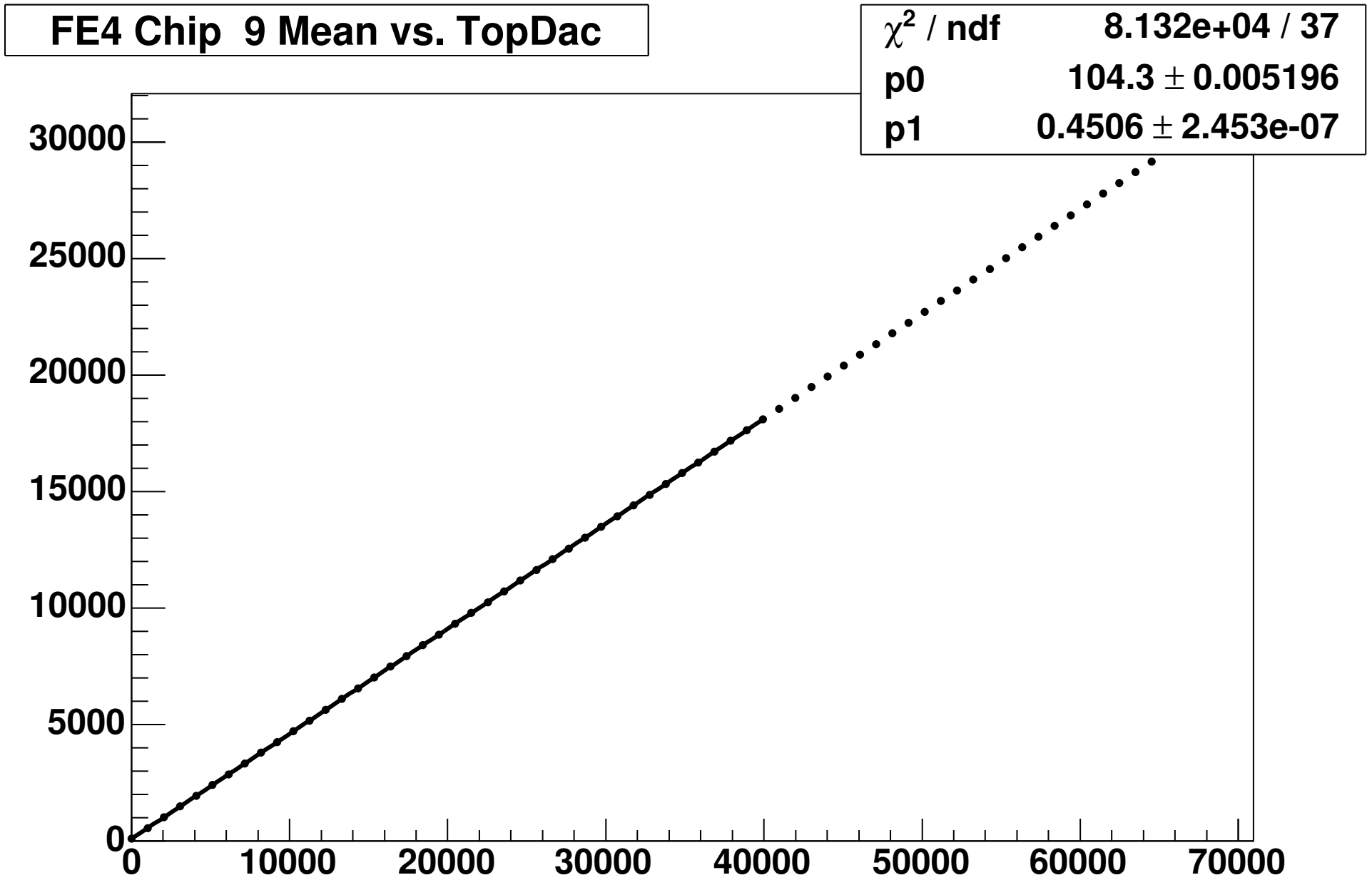
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 8.132e+04 / 37
p0 104.3 ± 0.005196
p1 0.4506 ± 2.453e-07
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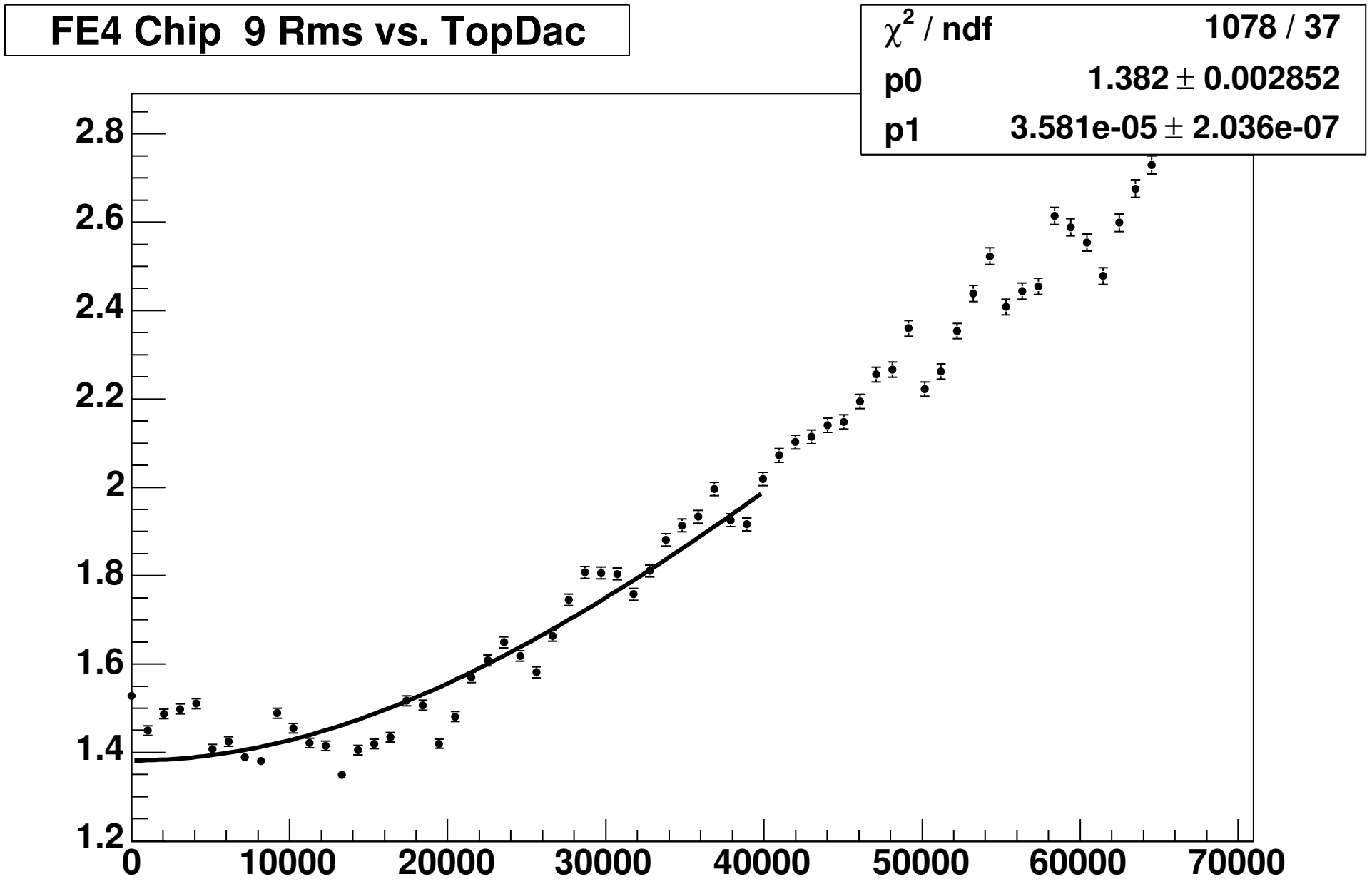
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1078 / 37
p0 1.382 ± 0.002852
p1 3.581e-05 ± 2.036e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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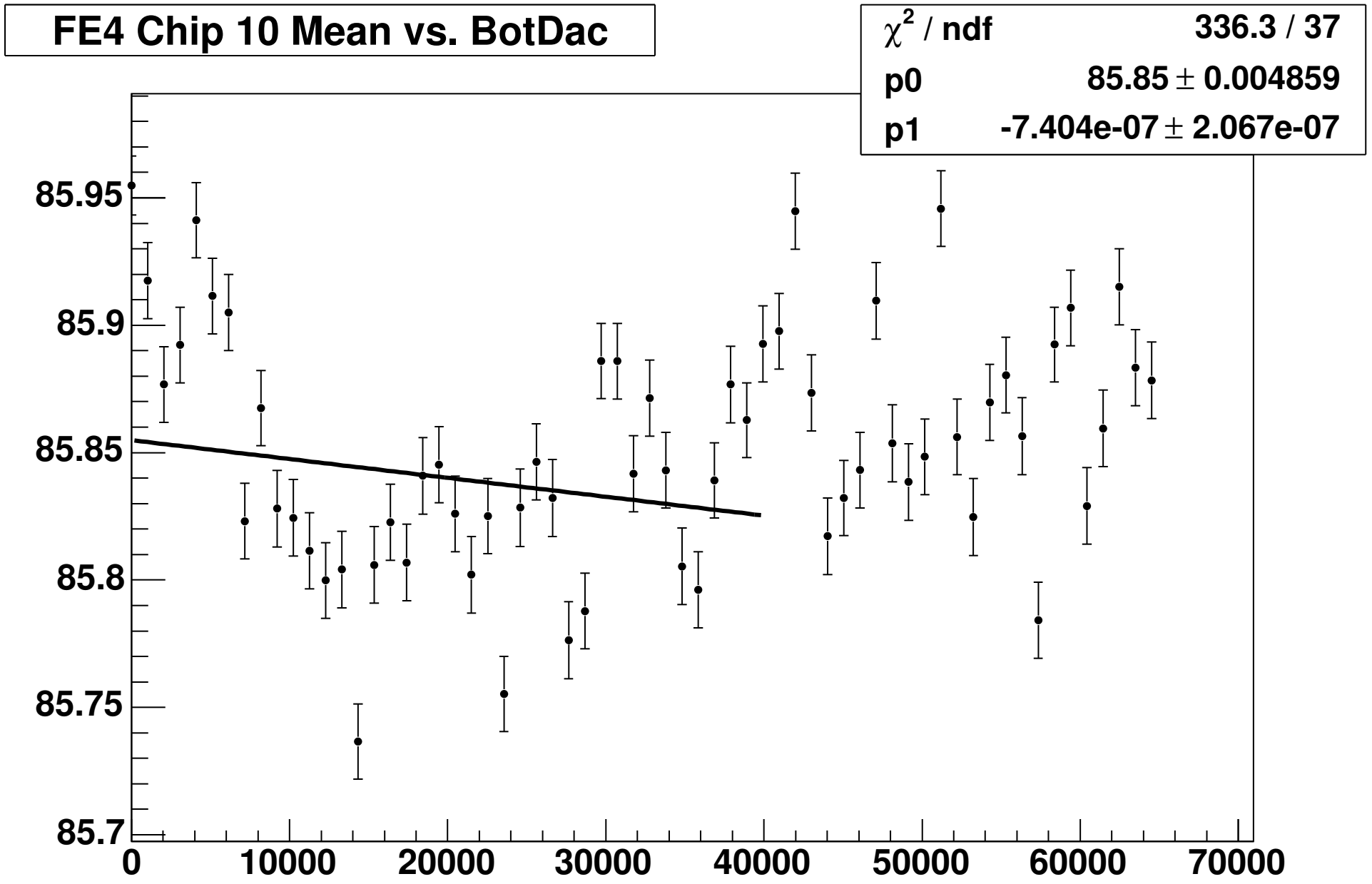
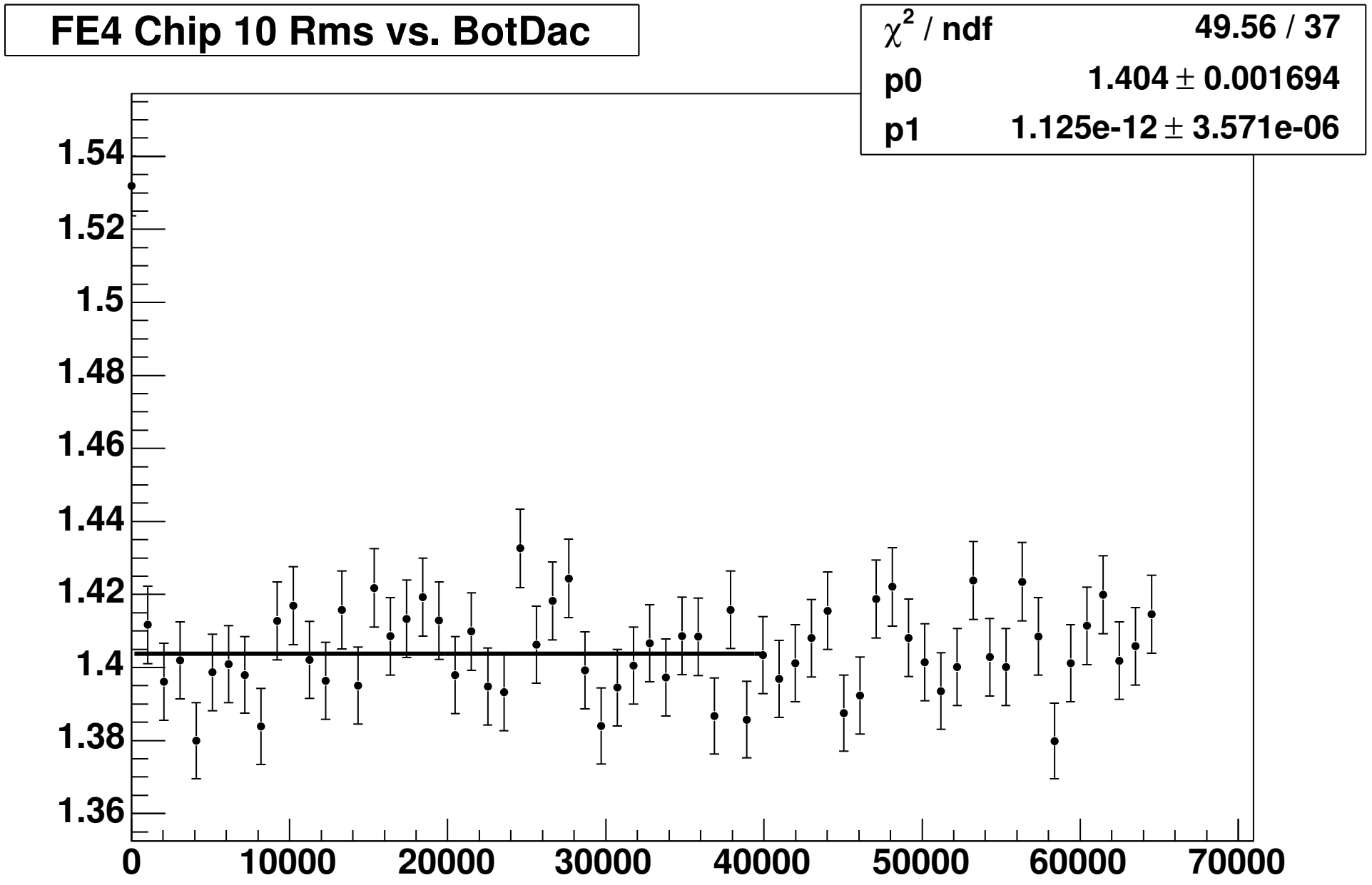

FE4 Chip 10 Mean vs. BotDac
χ² / ndf 336.3 / 37
p0 85.85 ± 0.004859
p1 -7.404e-07 ± 2.067e-07
85.95
85.9
85.85
85.8
85.75
85.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. BotDac
χ² / ndf 49.56 / 37
p0 1.404 ± 0.001694
p1 1.125e-12 ± 3.571e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
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30000
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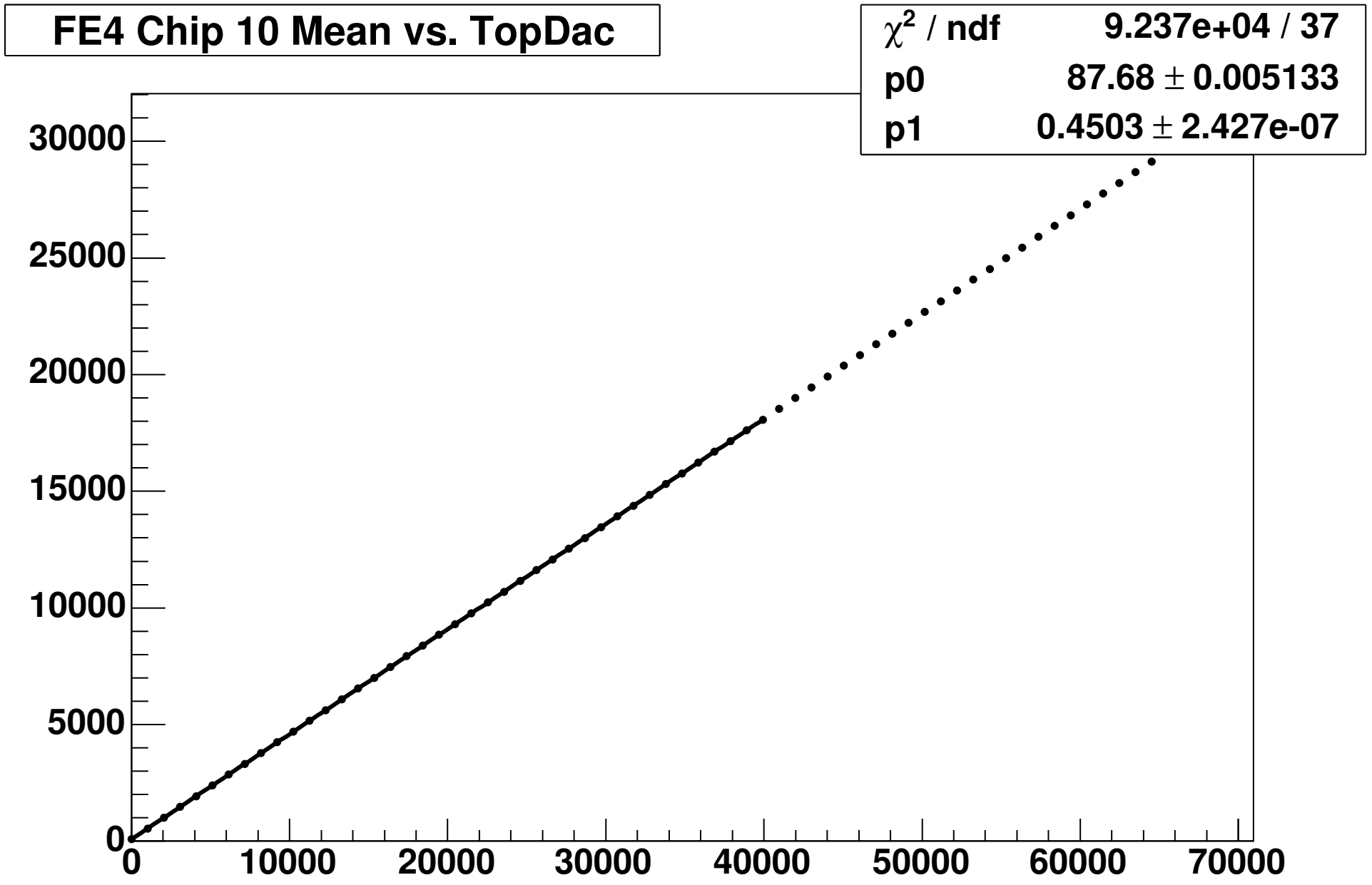
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 9.237e+04 / 37
p0 87.68 ± 0.005133
p1 0.4503 ± 2.427e-07
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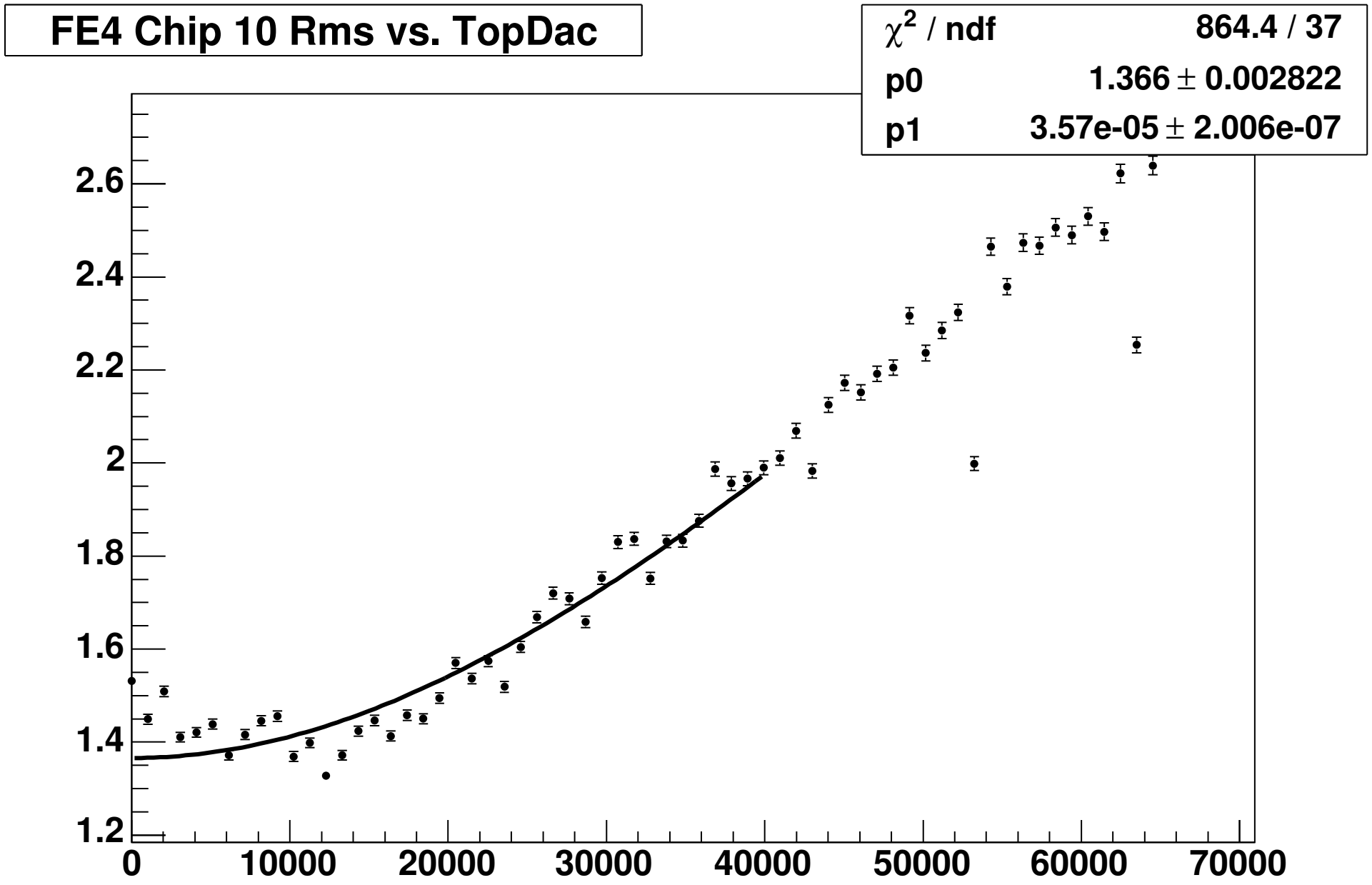
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 864.4 / 37
p0 1.366 ± 0.002822
p1 3.57e-05 ± 2.006e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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30000
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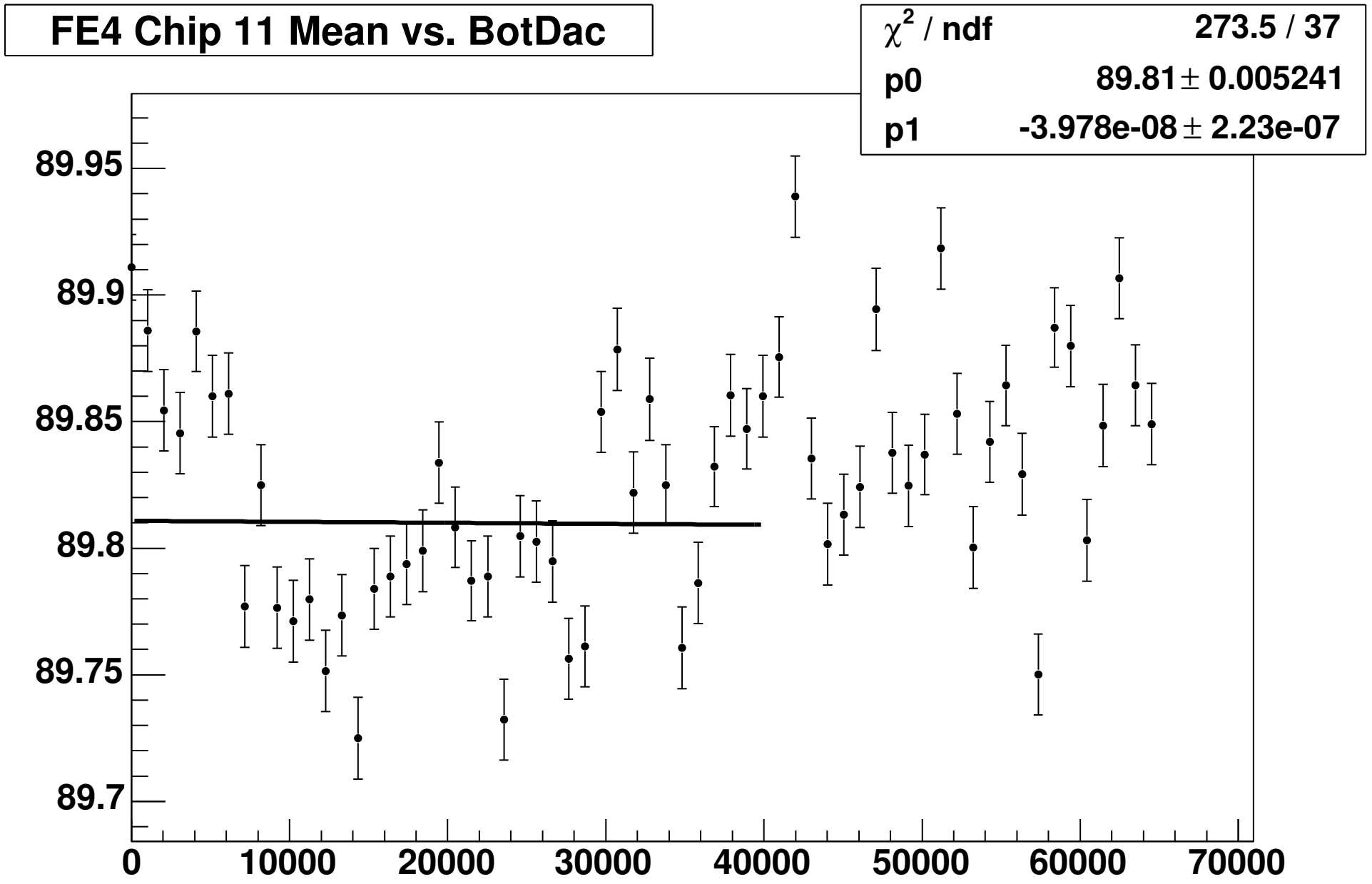
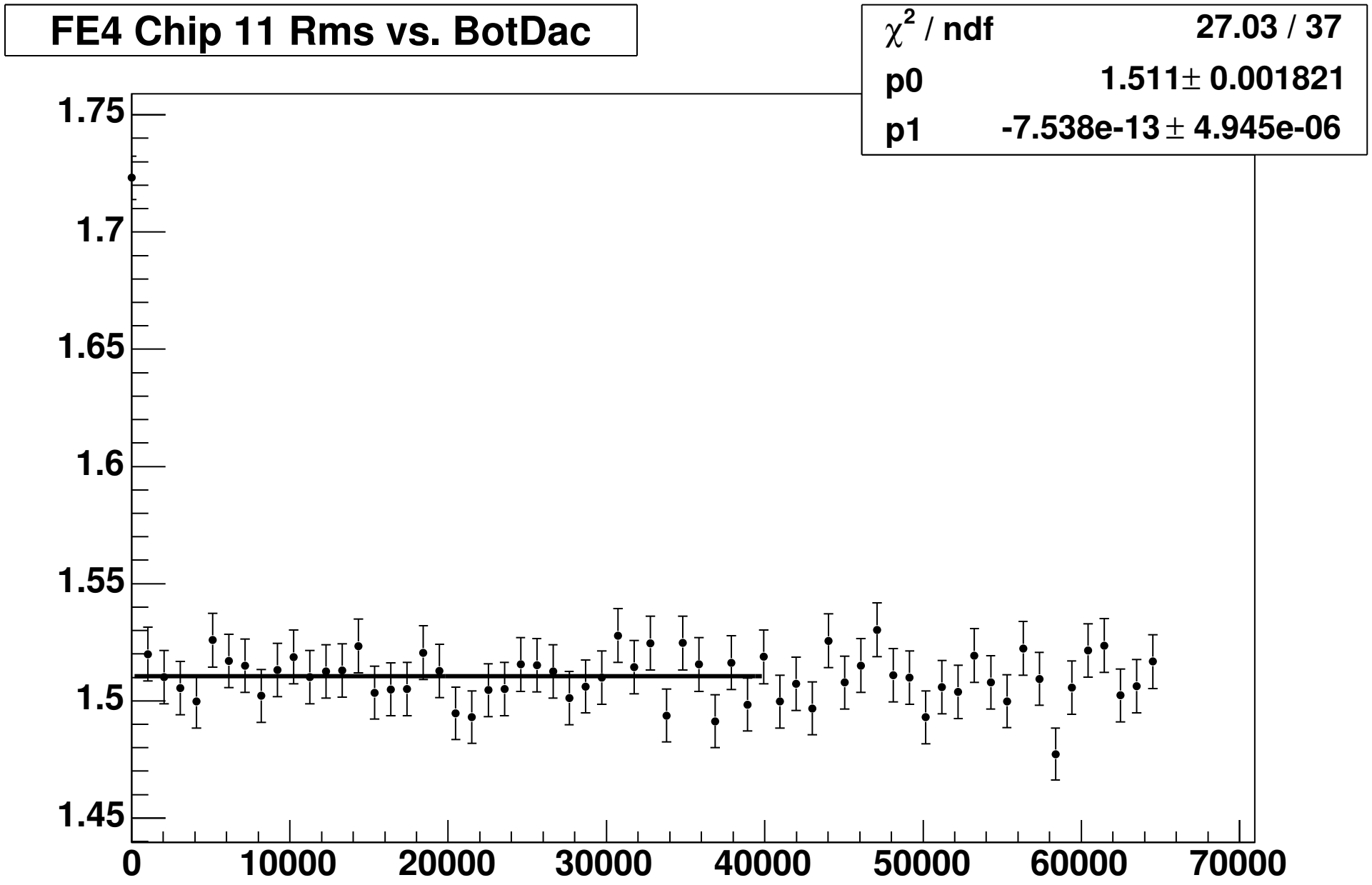

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 273.5 / 37
p0 89.81 ± 0.005241
p1 -3.978e-08 ± 2.23e-07
89.95
89.9
89.85
89.8
89.75
89.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 27.03 / 37
p0 1.511 ± 0.001821
p1 -7.538e-13 ± 4.945e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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30000
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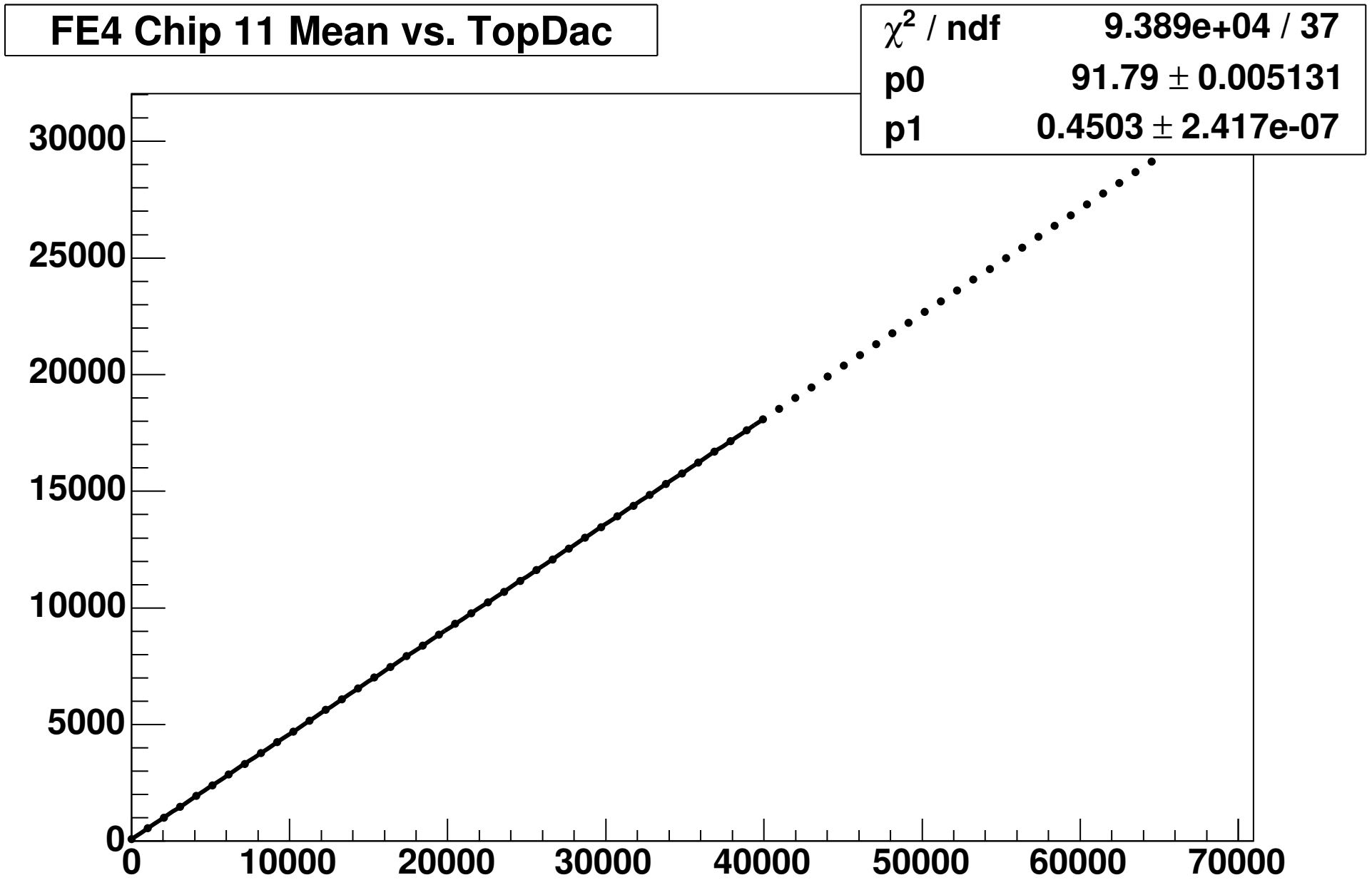
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 9.389e+04 / 37
p0 91.79 ± 0.005131
p1 0.4503 ± 2.417e-07
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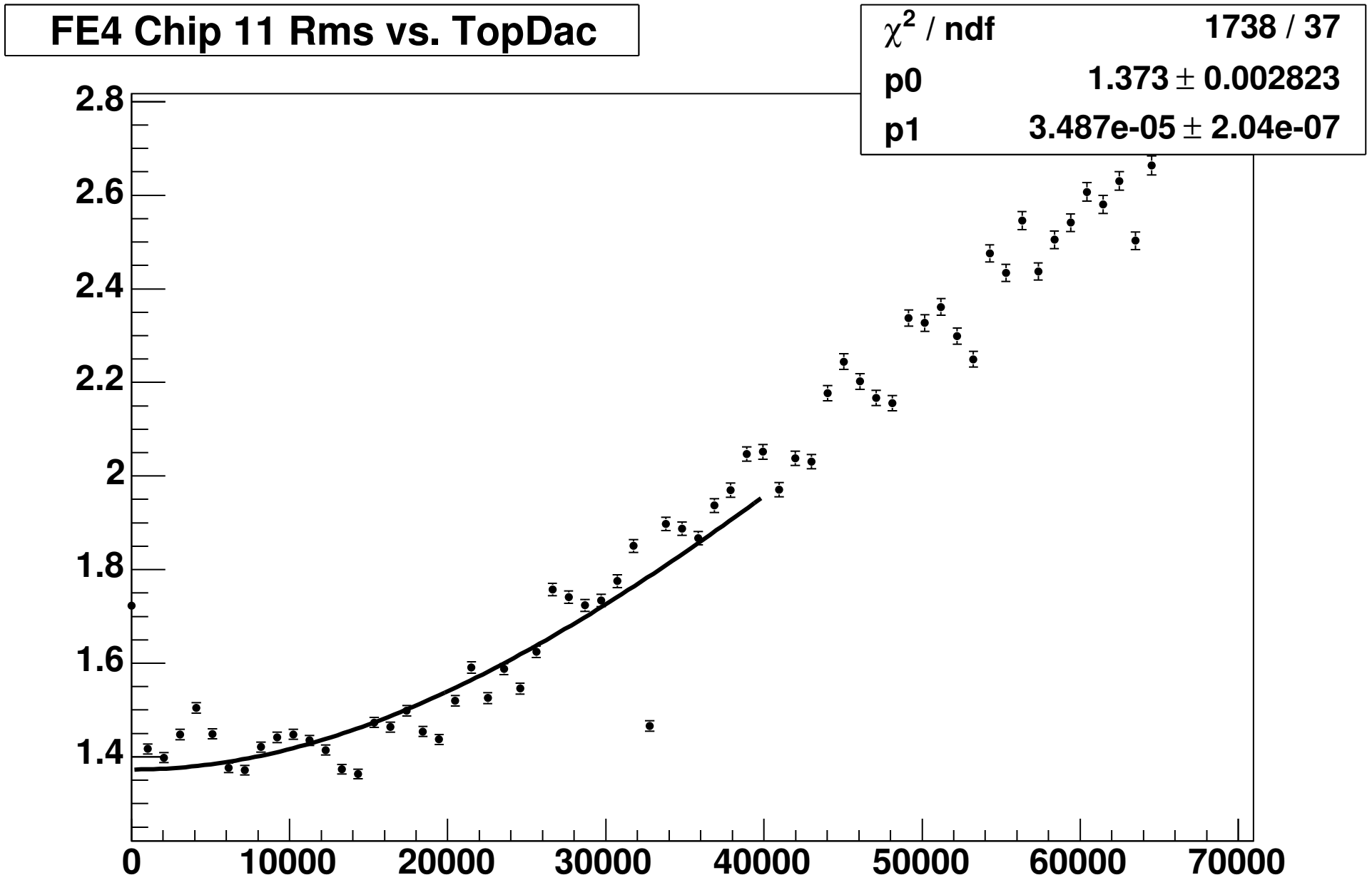
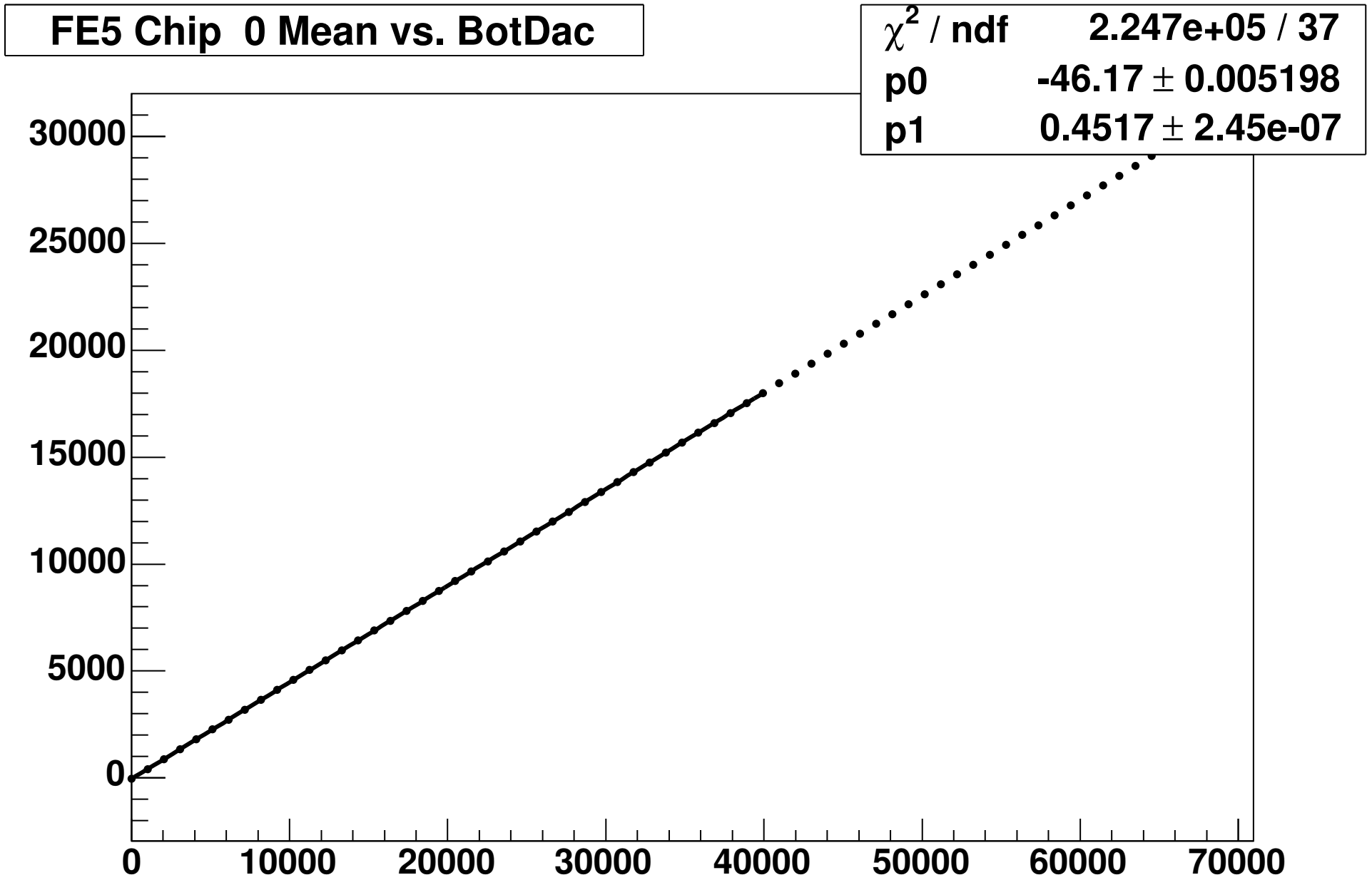
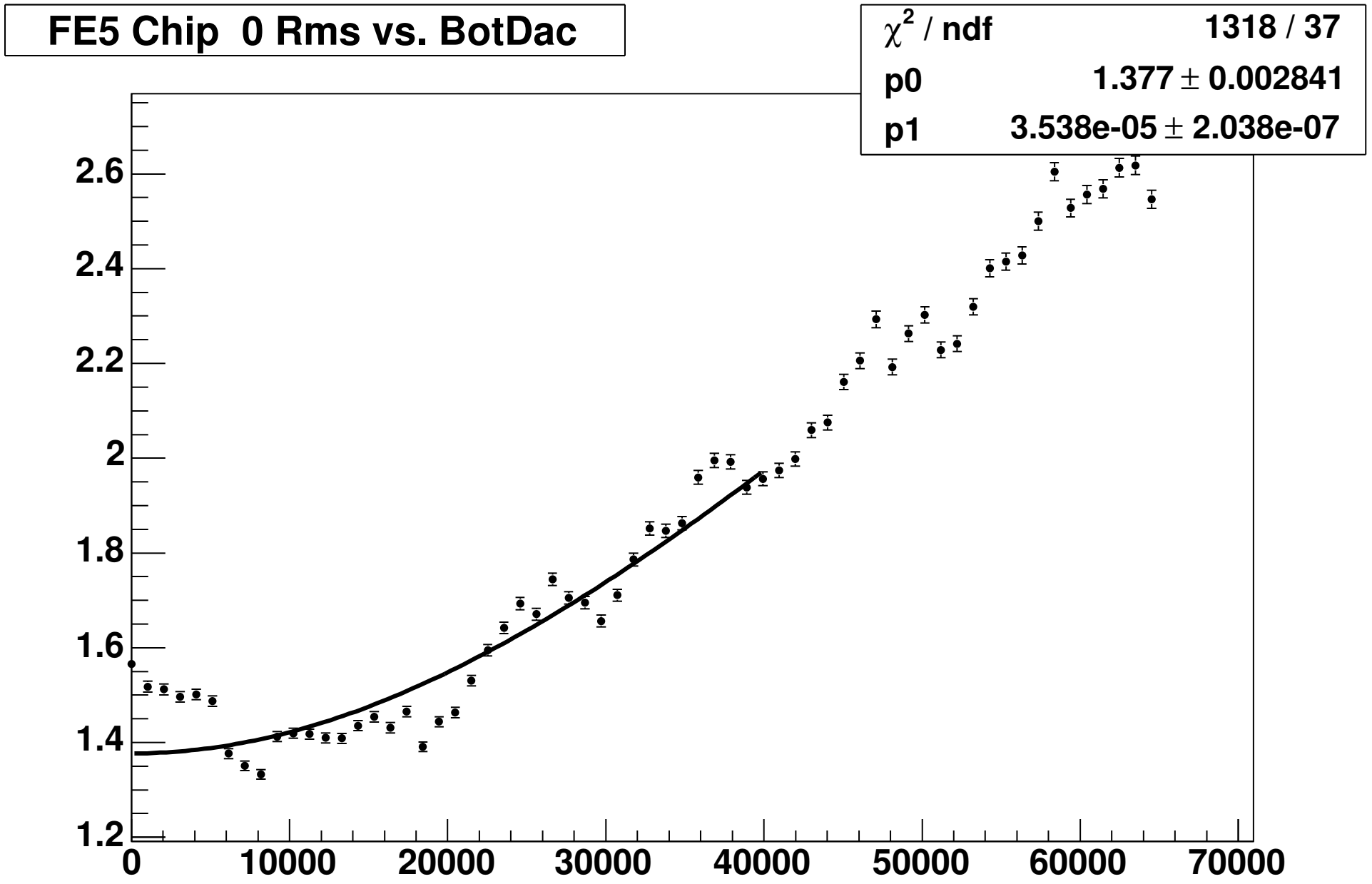
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1738 / 37
p0 1.373 ± 0.002823
p1 3.487e-05 ± 2.04e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 2.247e+05 / 37
p0 -46.17 ± 0.005198
p1 0.4517 ± 2.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1318 / 37
p0 1.377 ± 0.002841
p1 3.538e-05 ± 2.038e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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50000
60000
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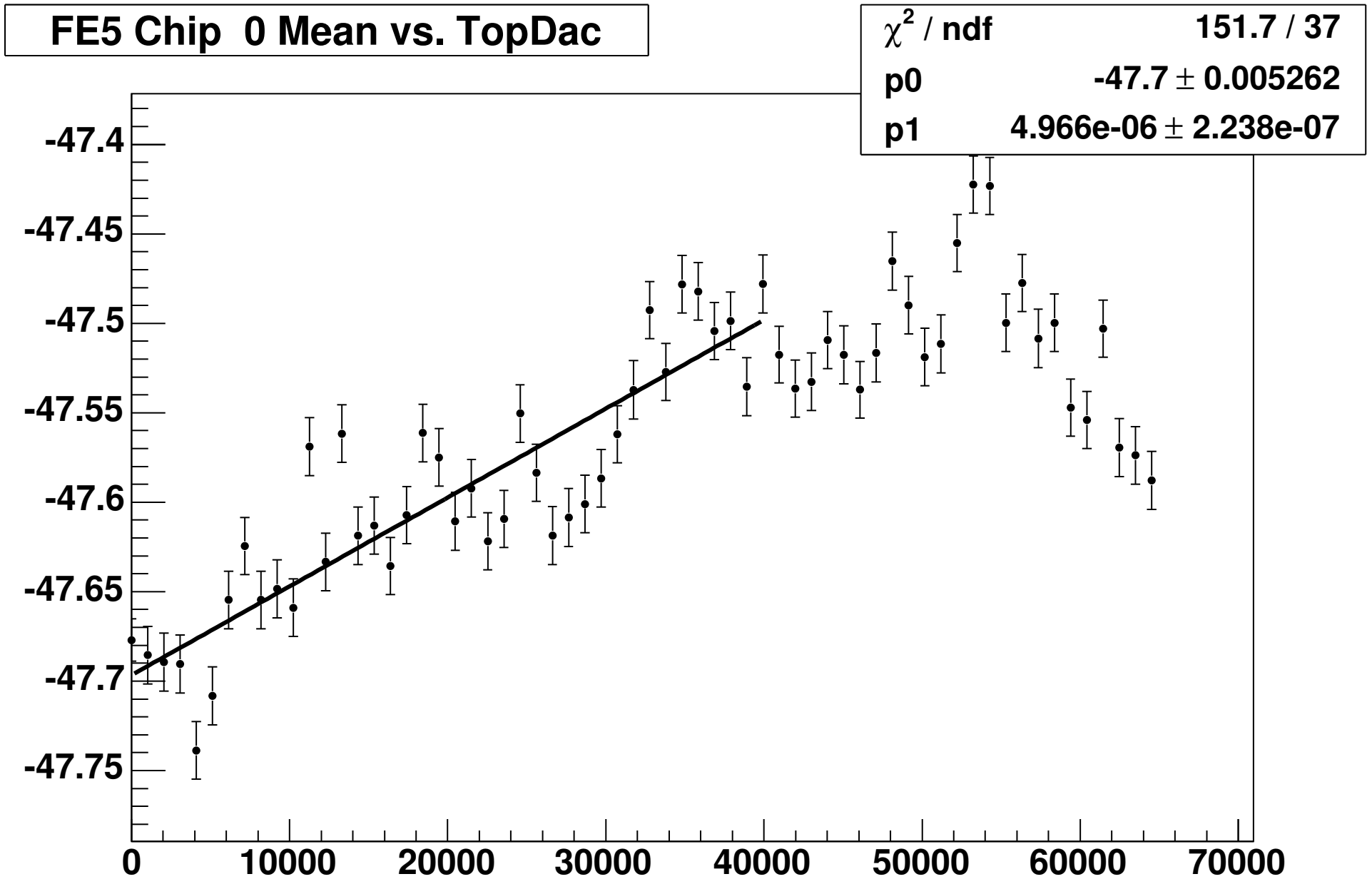
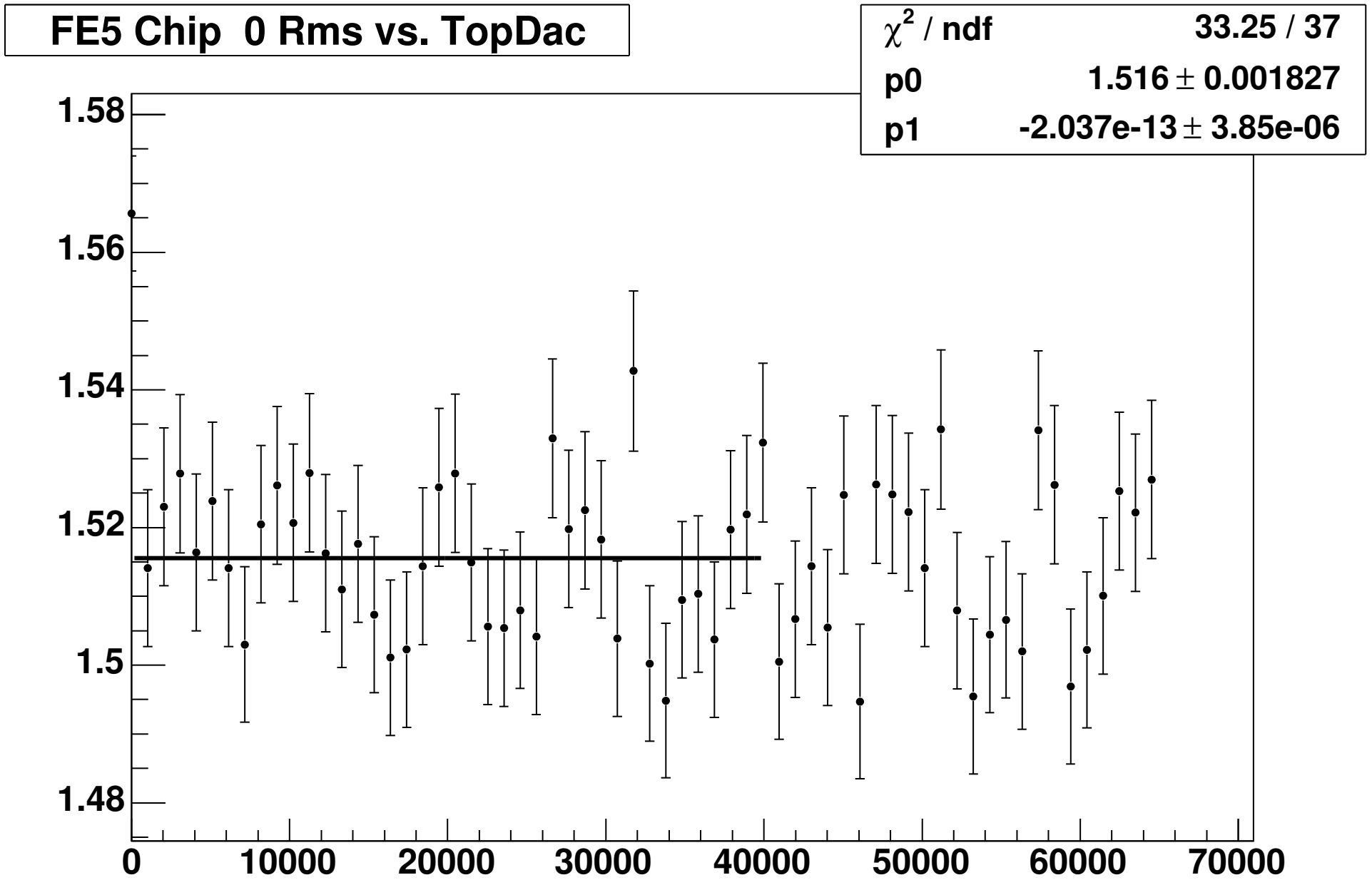
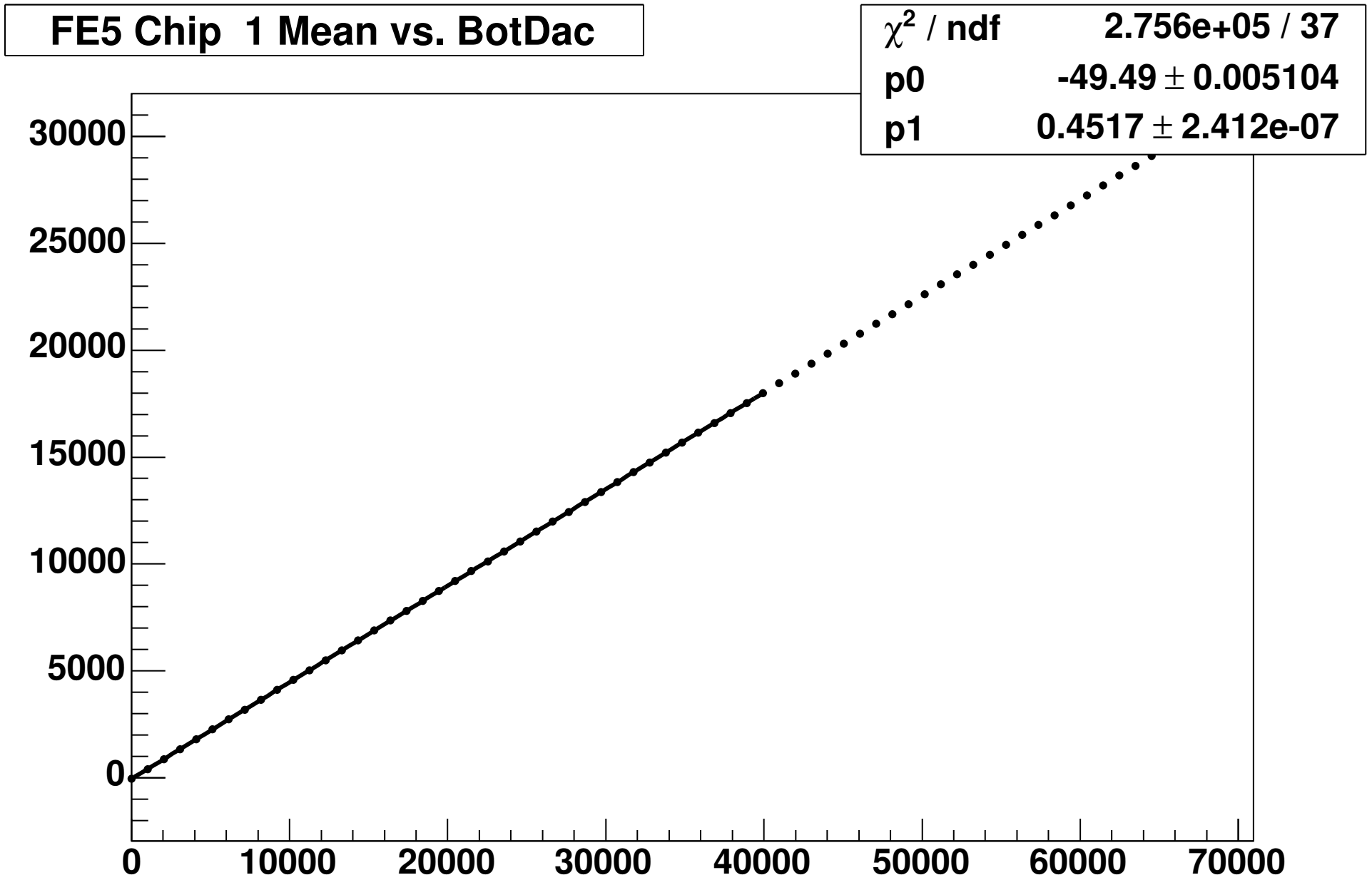
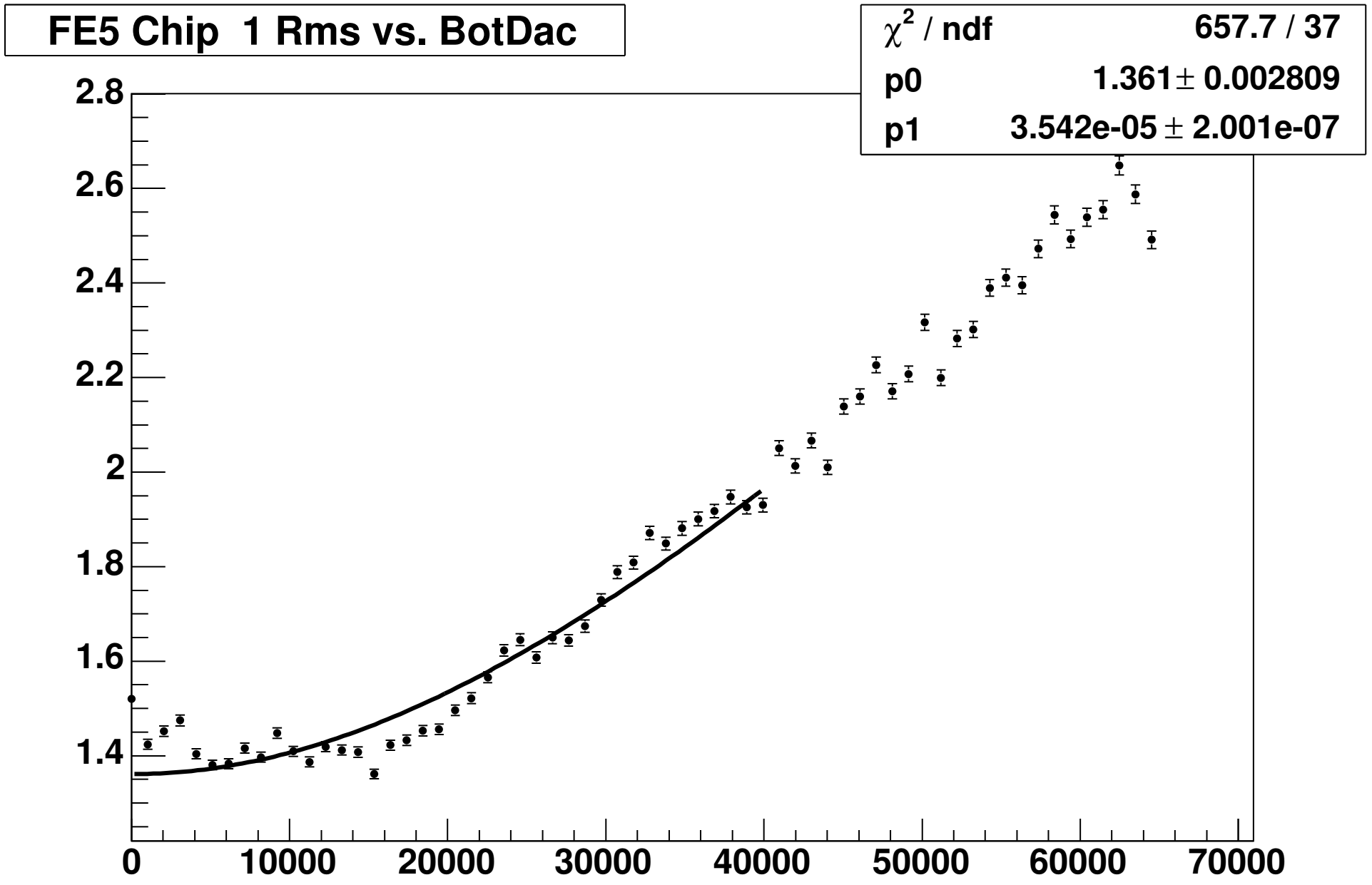

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 151.7 / 37
p0 -47.7 ± 0.005262
p1 4.966e-06 ± 2.238e-07
-47.4
-47.45
-47.5
-47.55
-47.6
-47.65
-47.7
-47.75
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 33.25 / 37
p0 1.516 ± 0.001827
p1 -2.037e-13 ± 3.85e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 2.756e+05 / 37
p0 -49.49 ± 0.005104
p1 0.4517 ± 2.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 657.7 / 37
p0 1.361 ± 0.002809
p1 3.542e-05 ± 2.001e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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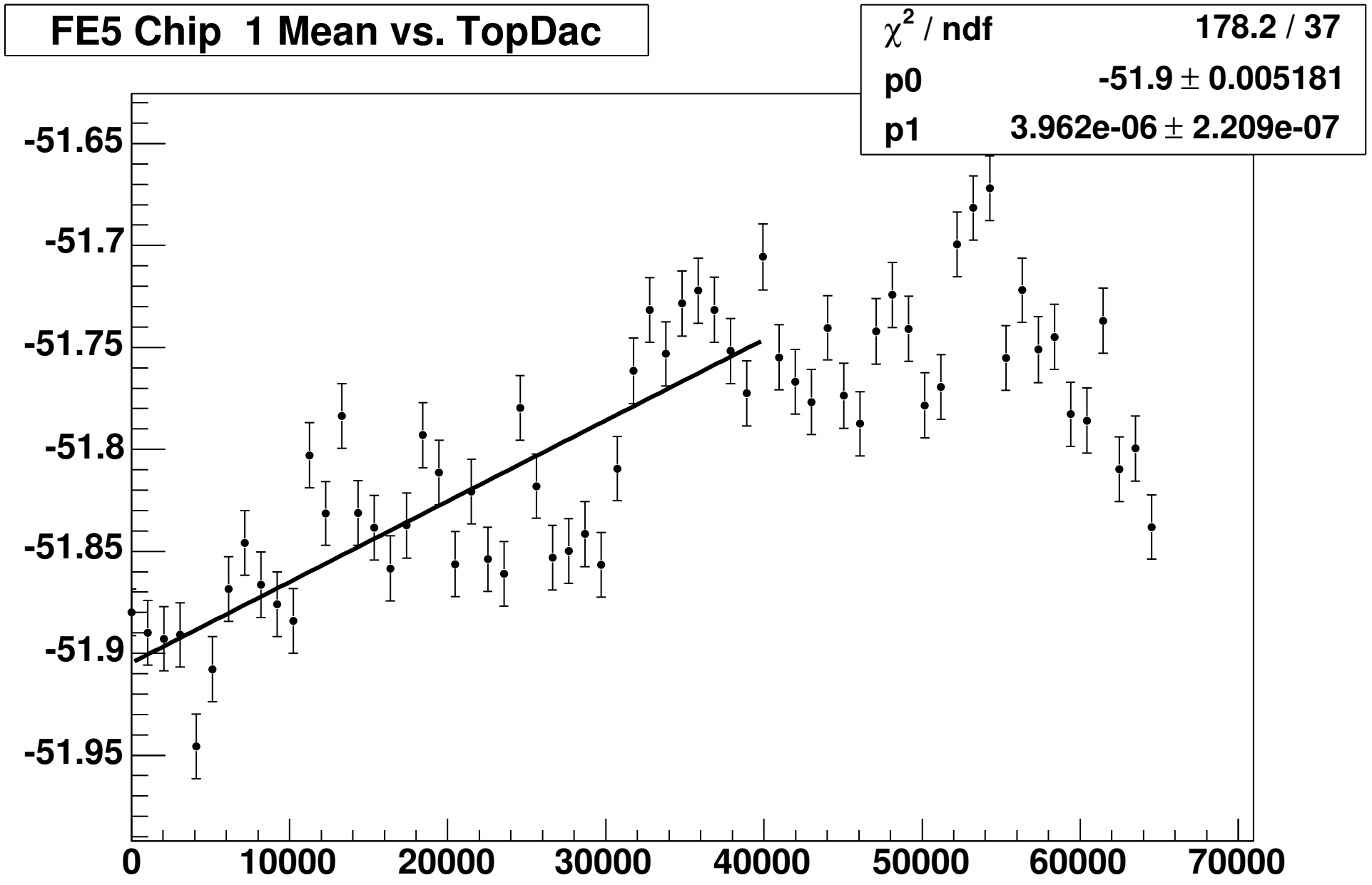
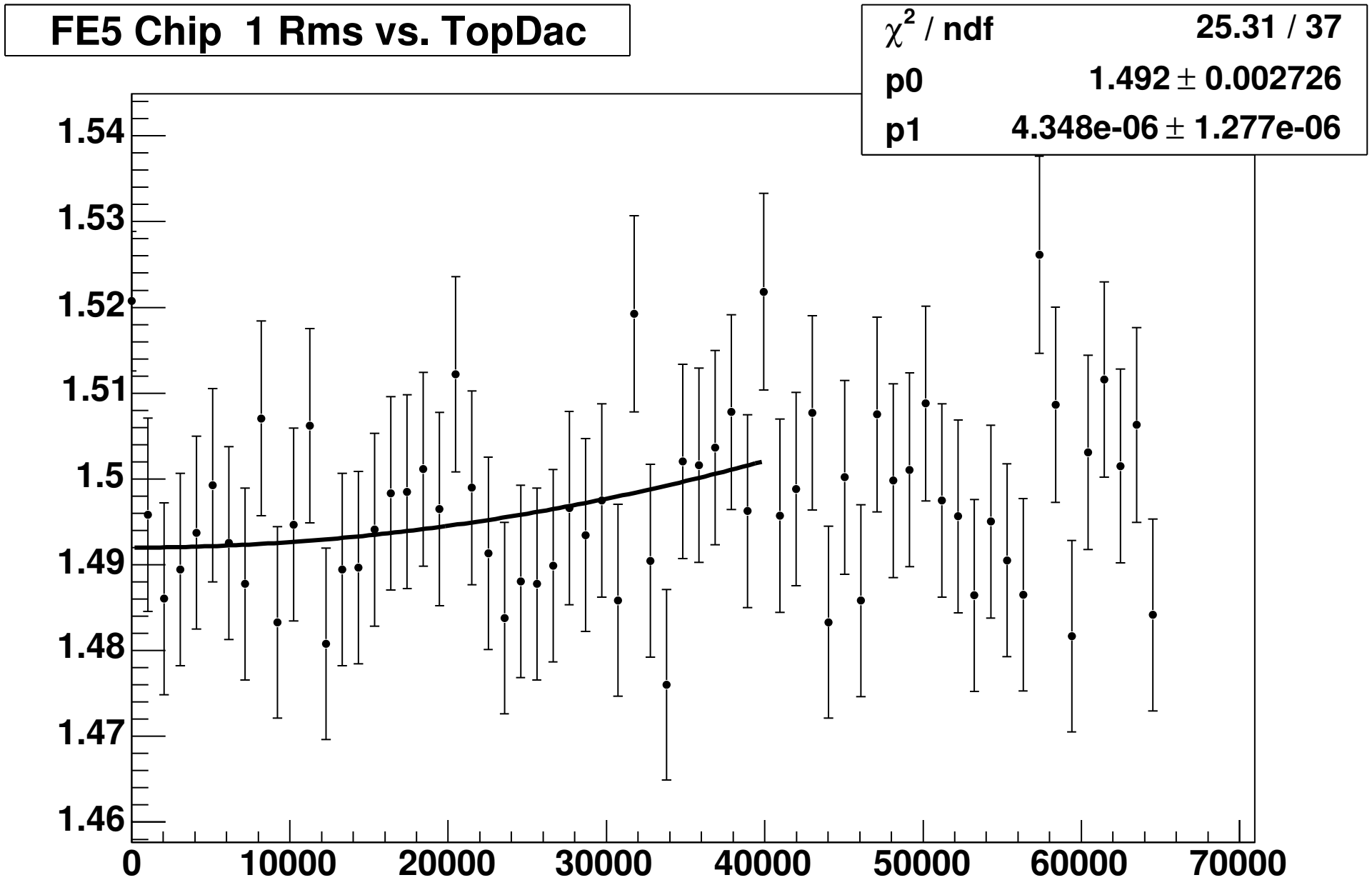
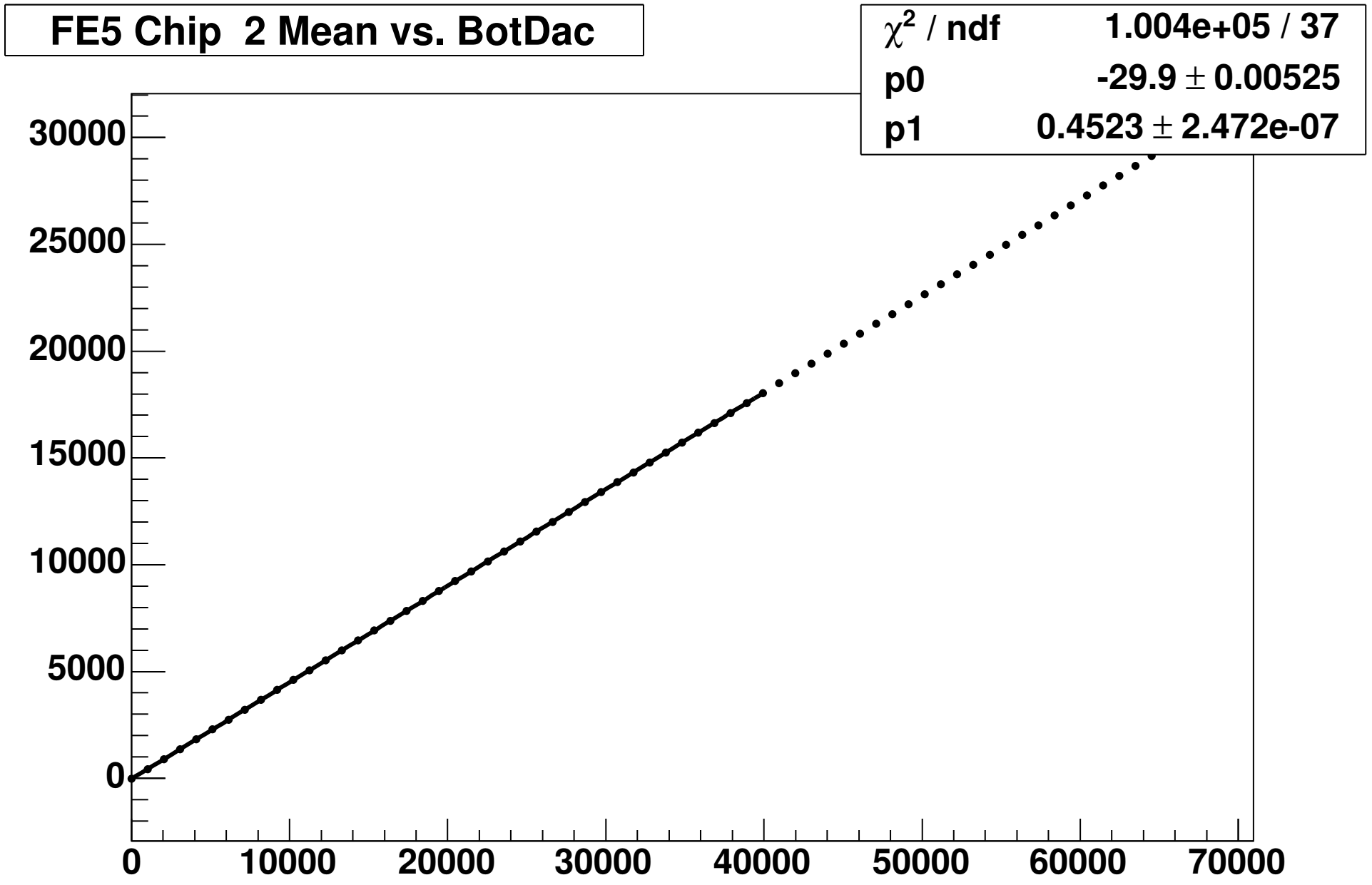
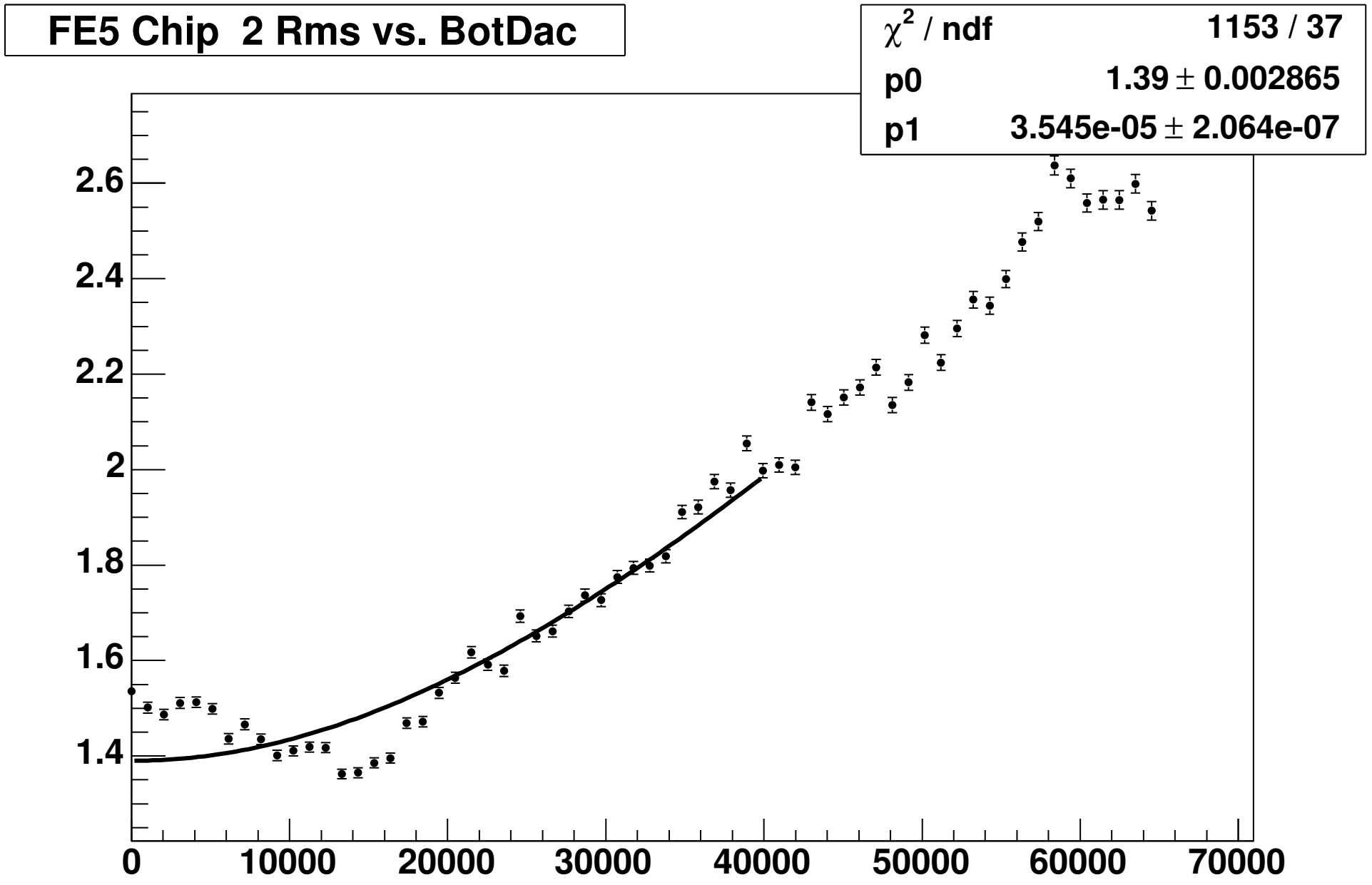
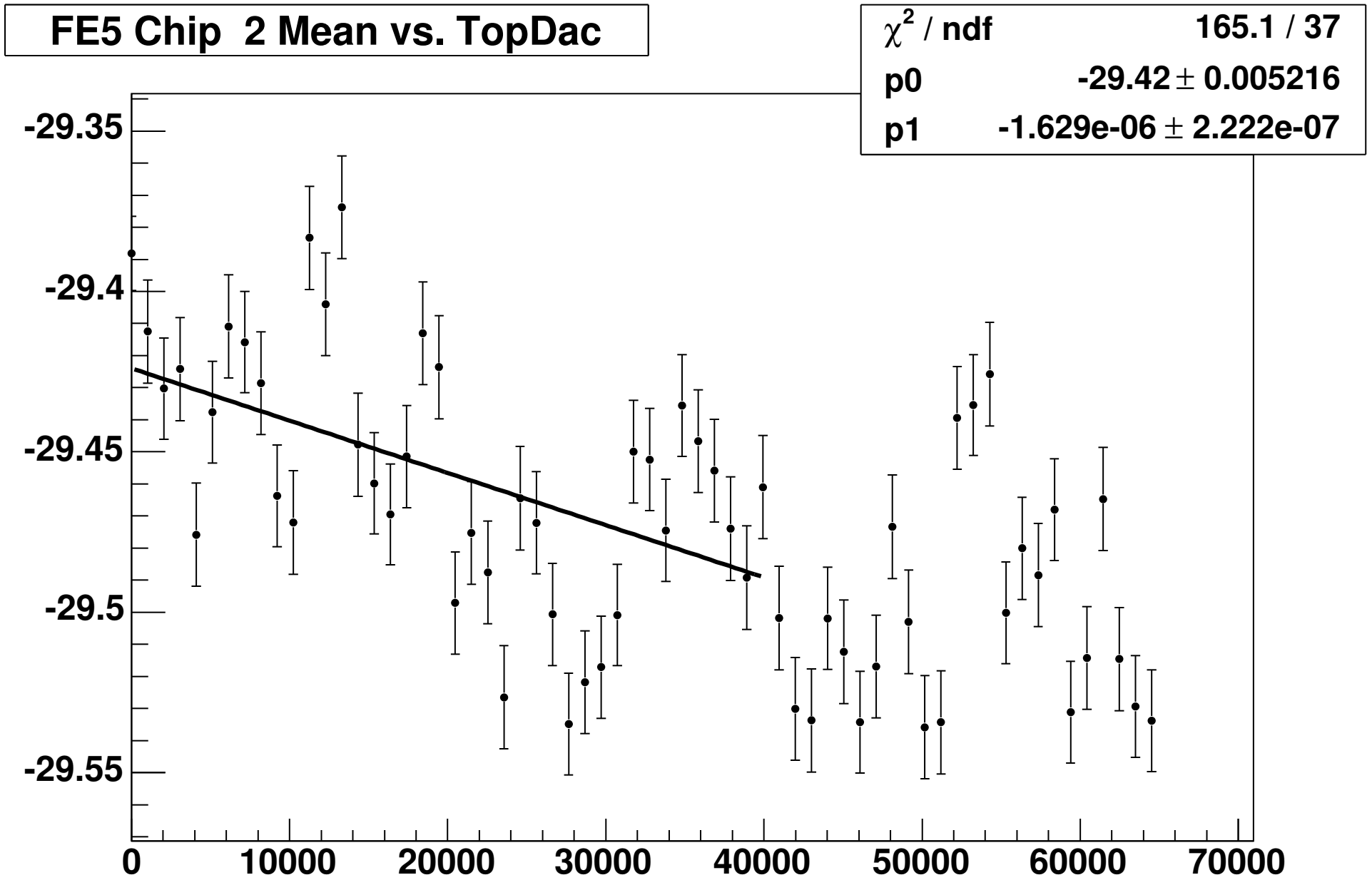
50000
60000
70000

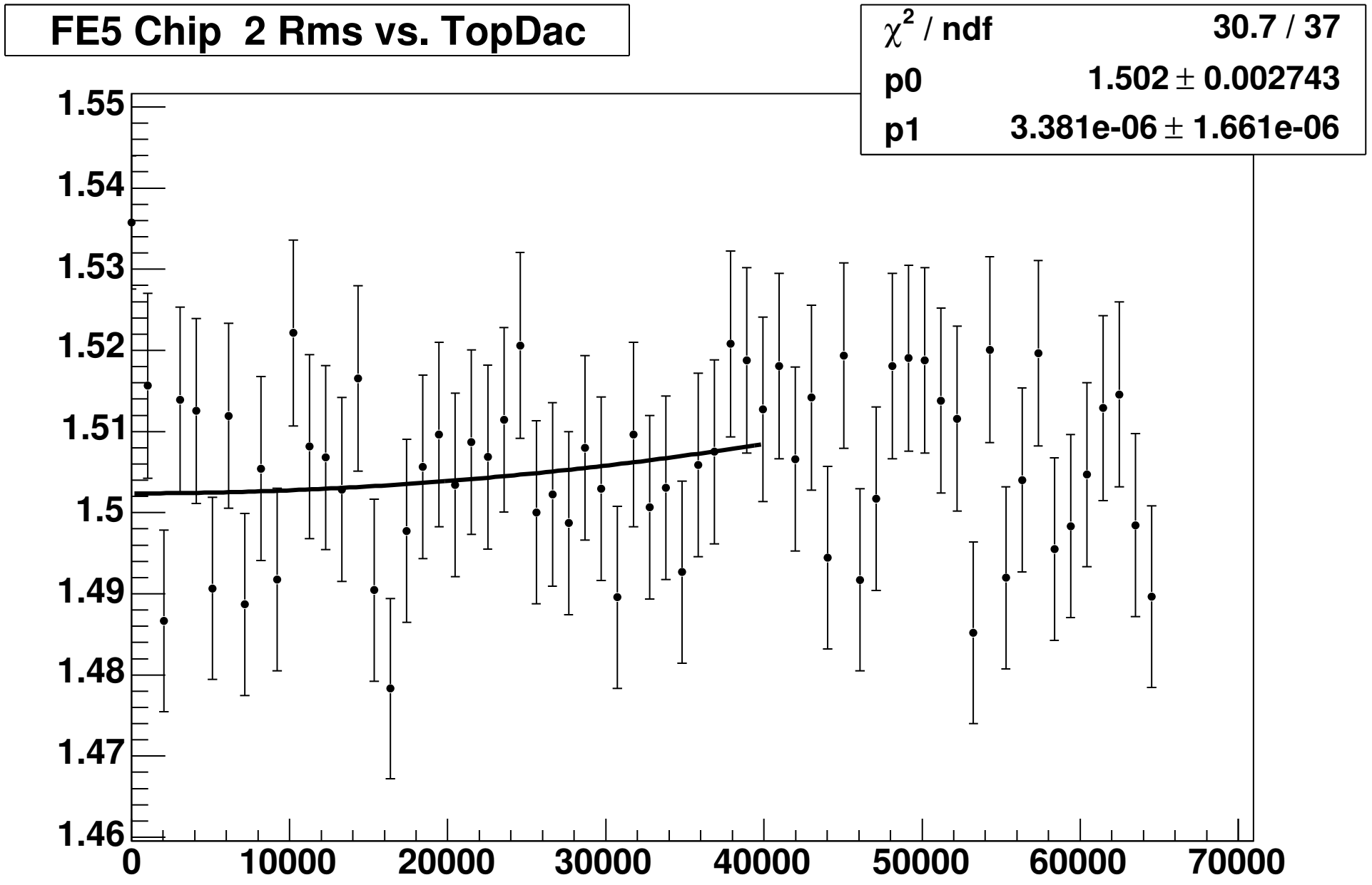

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 178.2 / 37
p0 -51.9 ± 0.005181
p1 3.962e-06 ± 2.209e-07
-51.65
-51.7
-51.75
-51.8
-51.85
-51.9
-51.95
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 25.31 / 37
p0 1.492 ± 0.002726
p1 4.348e-06 ± 1.277e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.004e+05 / 37
p0 -29.9 ± 0.00525
p1 0.4523 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1153 / 37
p0 1.39 ± 0.002865
p1 3.545e-05 ± 2.064e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 165.1 / 37
p0 -29.42 ± 0.005216
p1 -1.629e-06 ± 2.222e-07
-29.35
-29.4
-29.45
-29.5
-29.55
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 30.7 / 37
p0 1.502 ± 0.002743
p1 3.381e-06 ± 1.661e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
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60000
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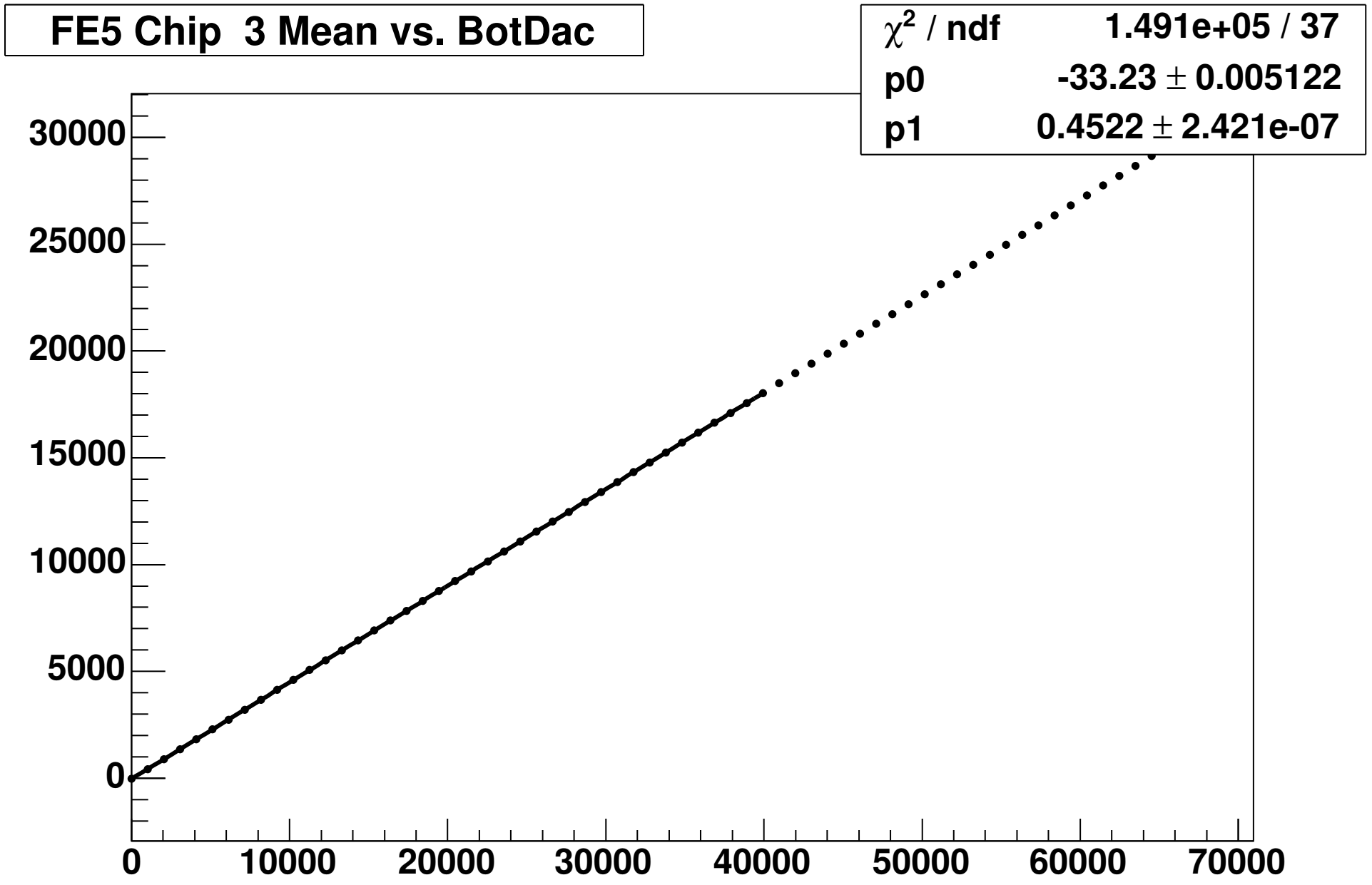
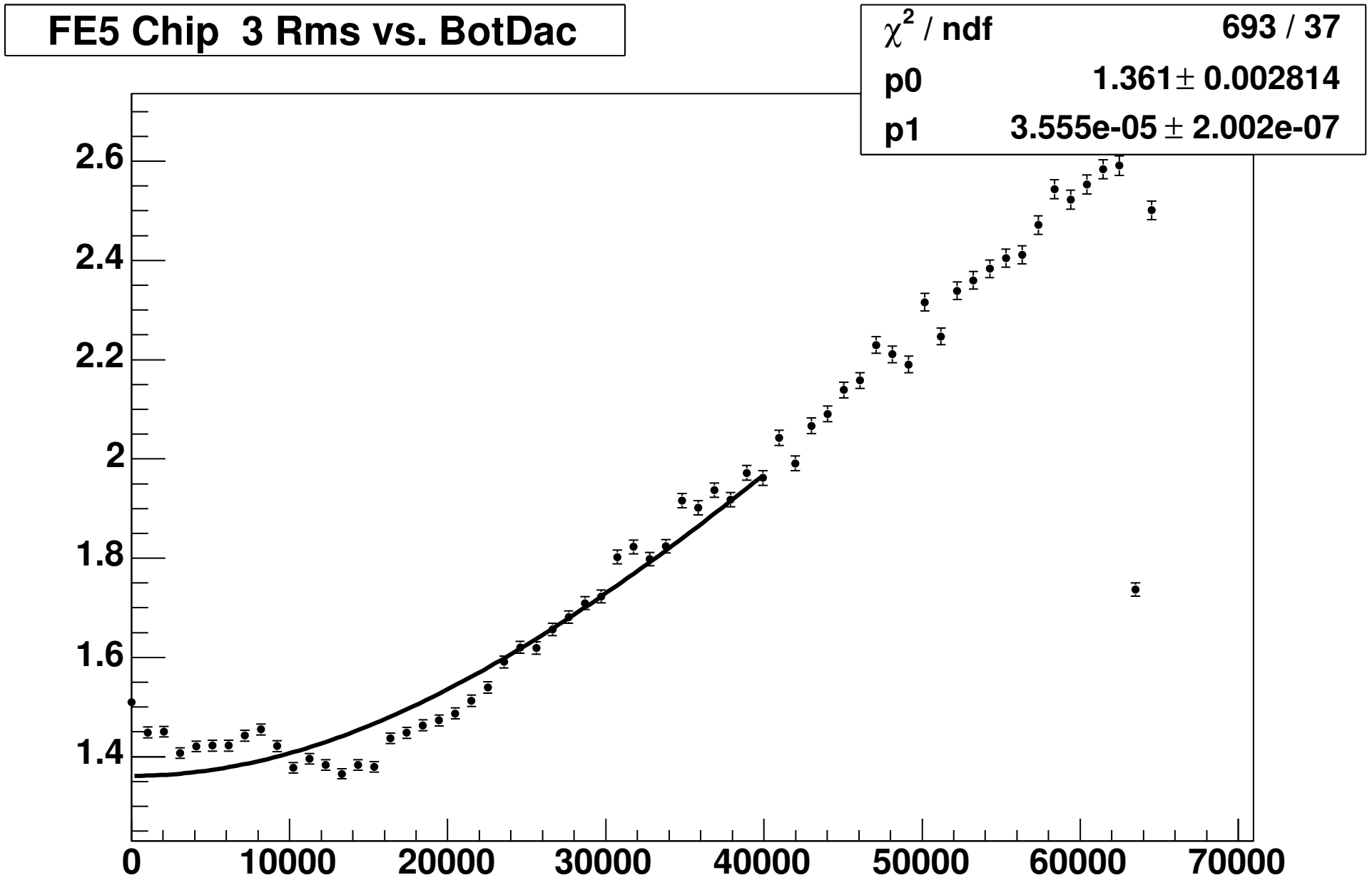
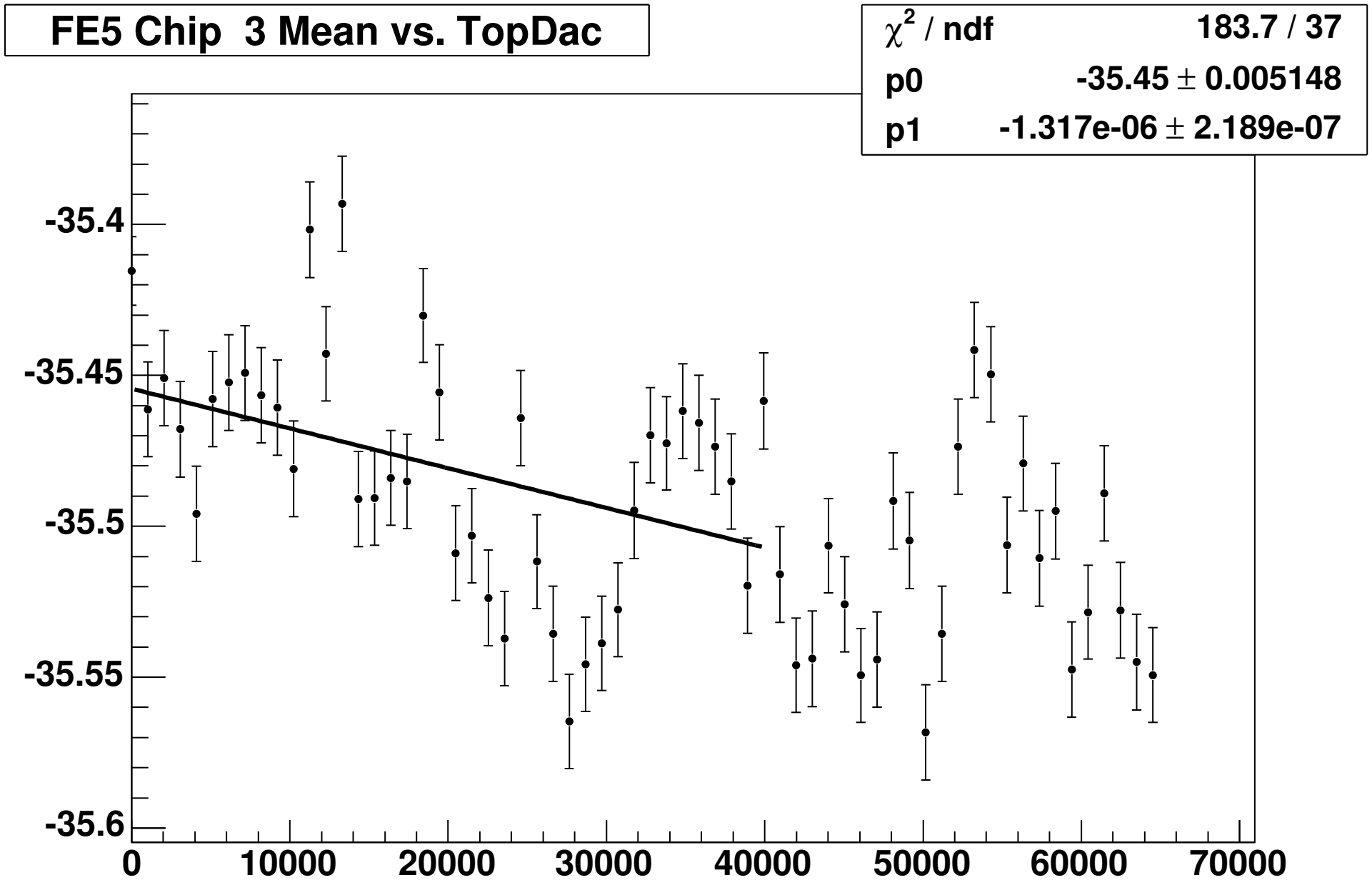

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.491e+05 / 37
p0 -33.23 ± 0.005122
p1 0.4522 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 693 / 37
p0 1.361 ± 0.002814
p1 3.555e-05 ± 2.002e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 183.7 / 37
p0 -35.45 ± 0.005148
p1 -1.317e-06 ± 2.189e-07
-35.4
-35.45
-35.5
-35.55
-35.6
0
10000
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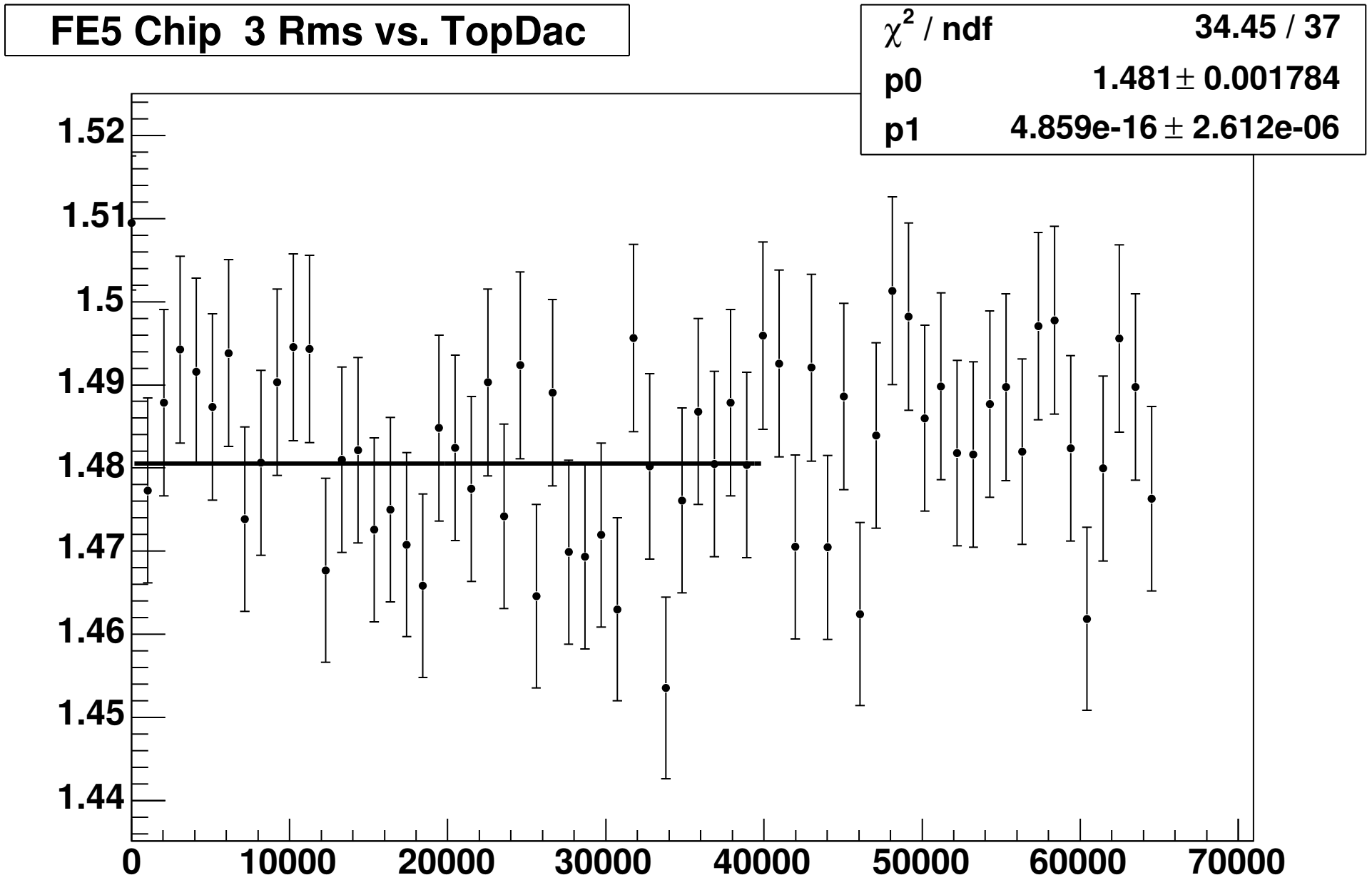
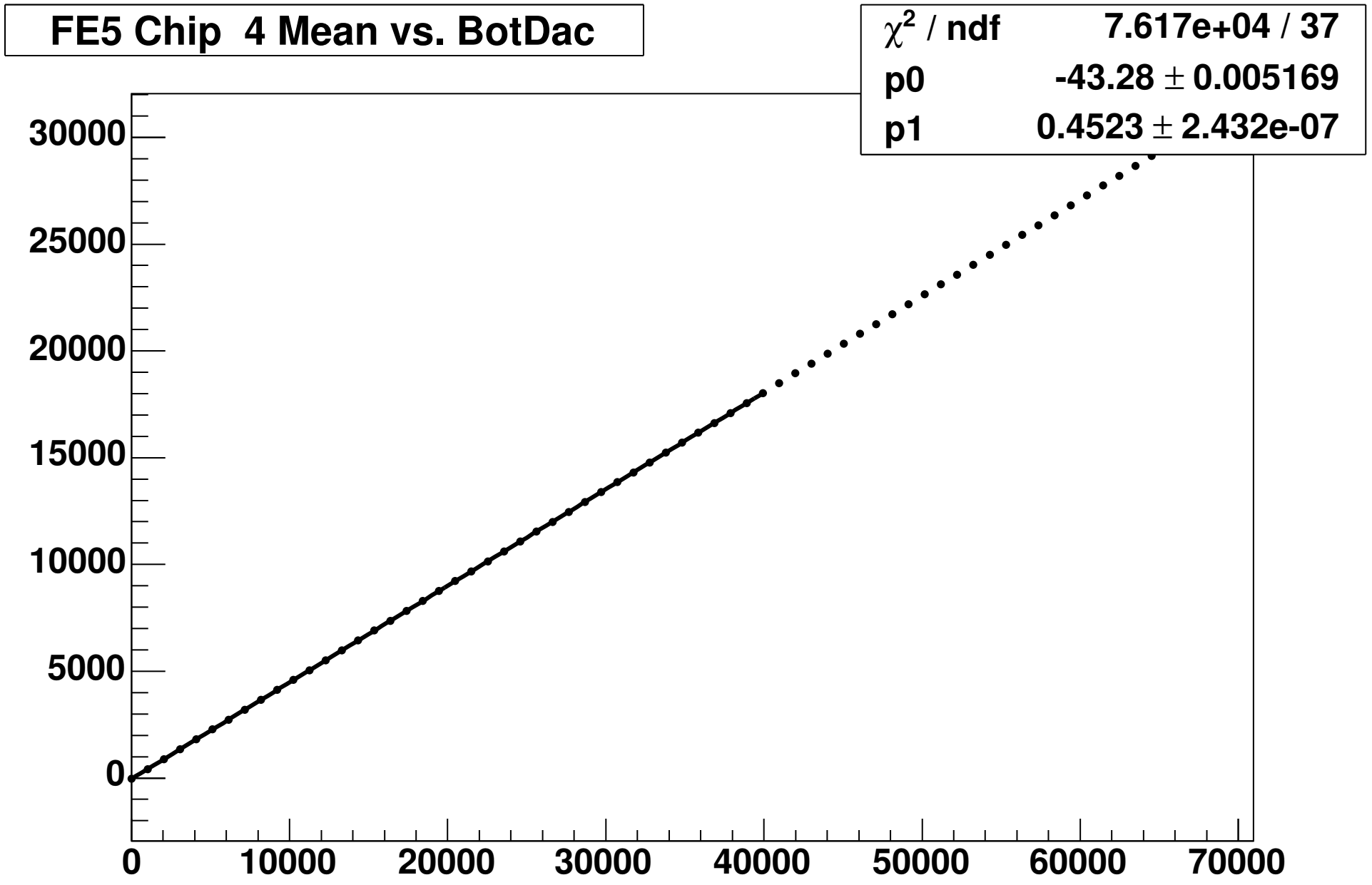
60000
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 34.45 / 37
p0 1.481 ± 0.001784
p1 4.859e-16 ± 2.612e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 7.617e+04 / 37
p0 -43.28 ± 0.005169
p1 0.4523 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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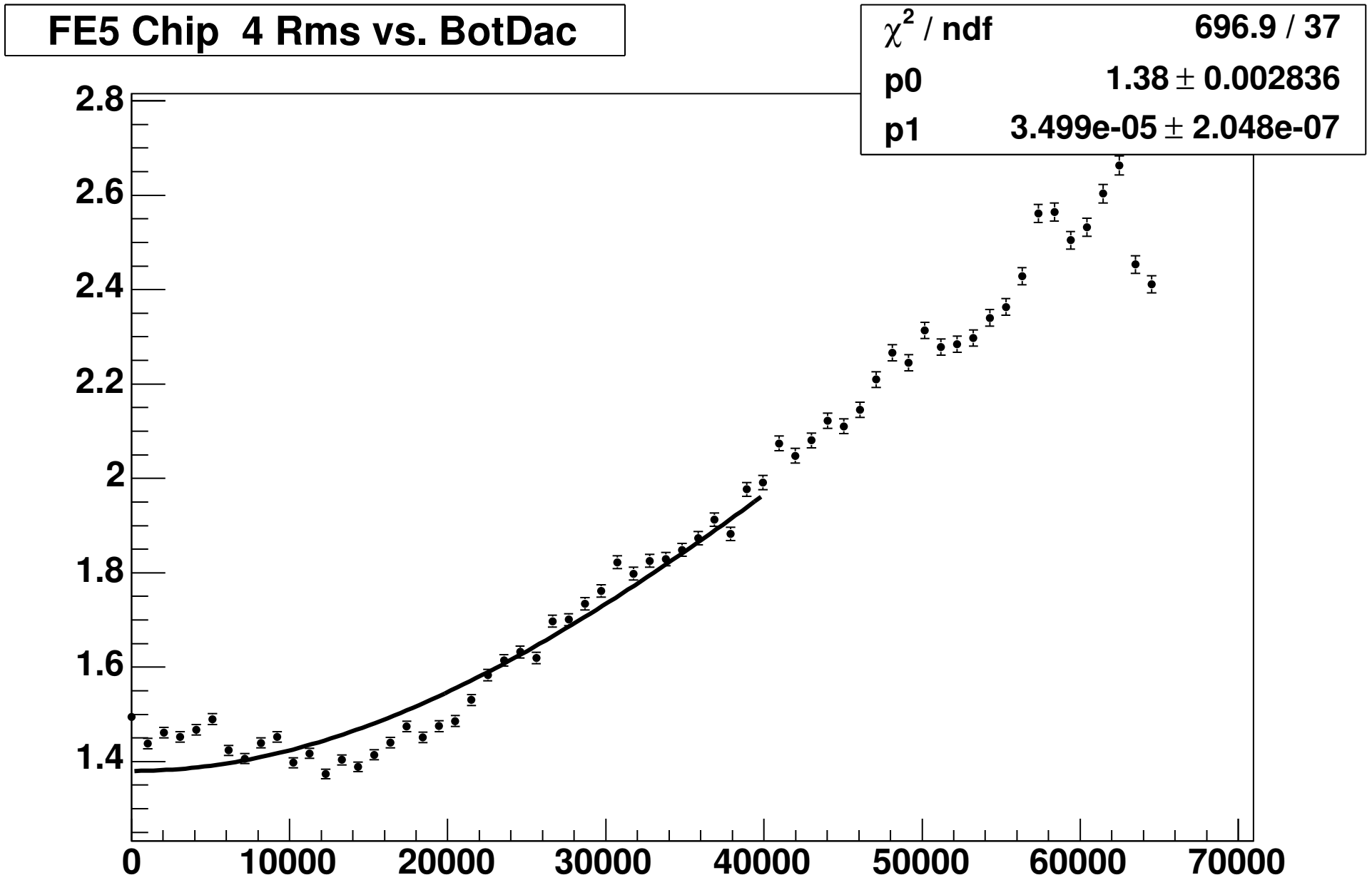
FE5 Chip 4 Rms vs. BotDac
χ² / ndf 696.9 / 37
p0 1.38 ± 0.002836
p1 3.499e-05 ± 2.048e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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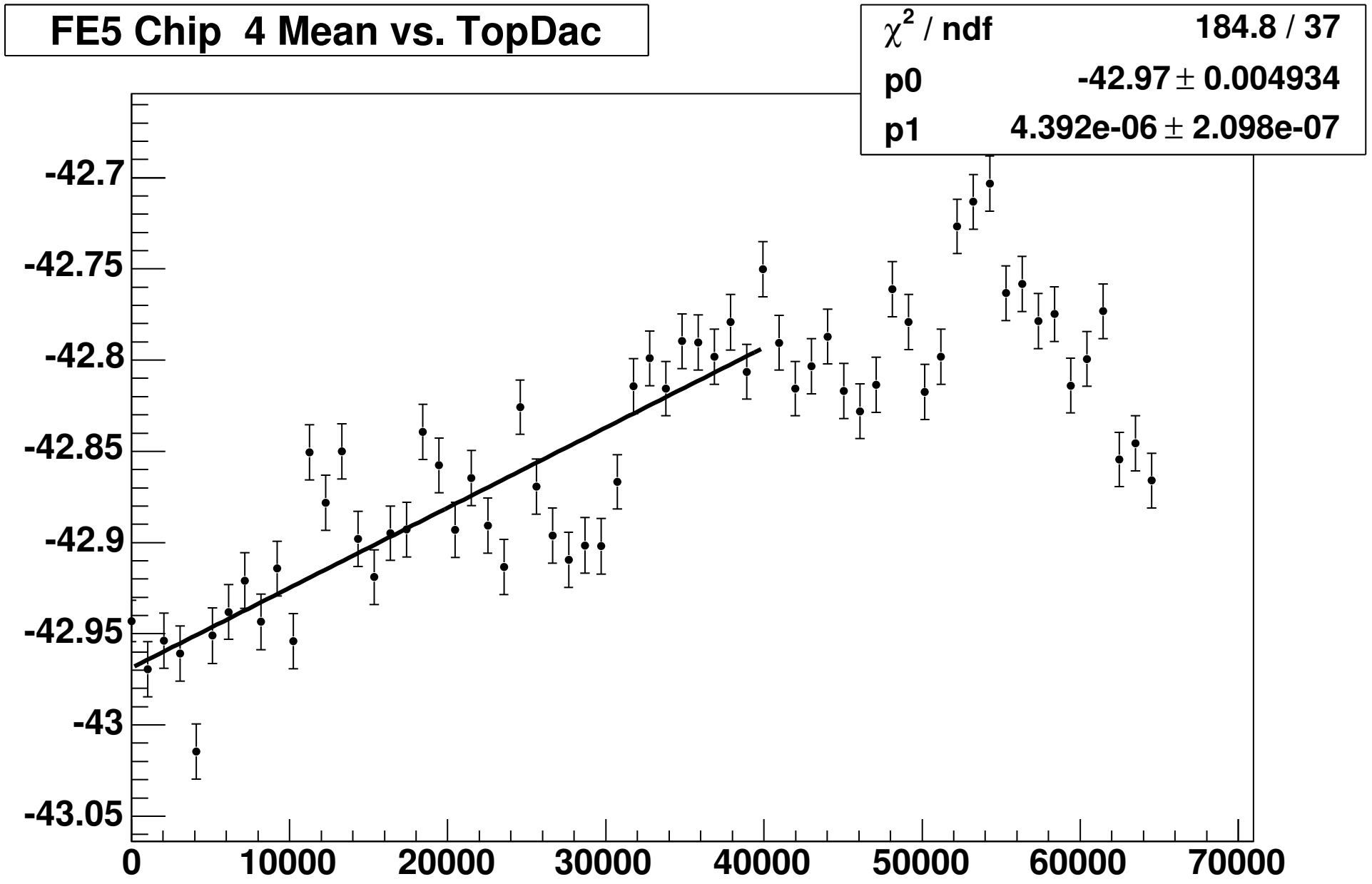
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 184.8 / 37
p0 -42.97 ± 0.004934
p1 4.392e-06 ± 2.098e-07
-42.7
-42.75
-42.8
-42.85
-42.9
-42.95
-43
-43.05
0
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60000
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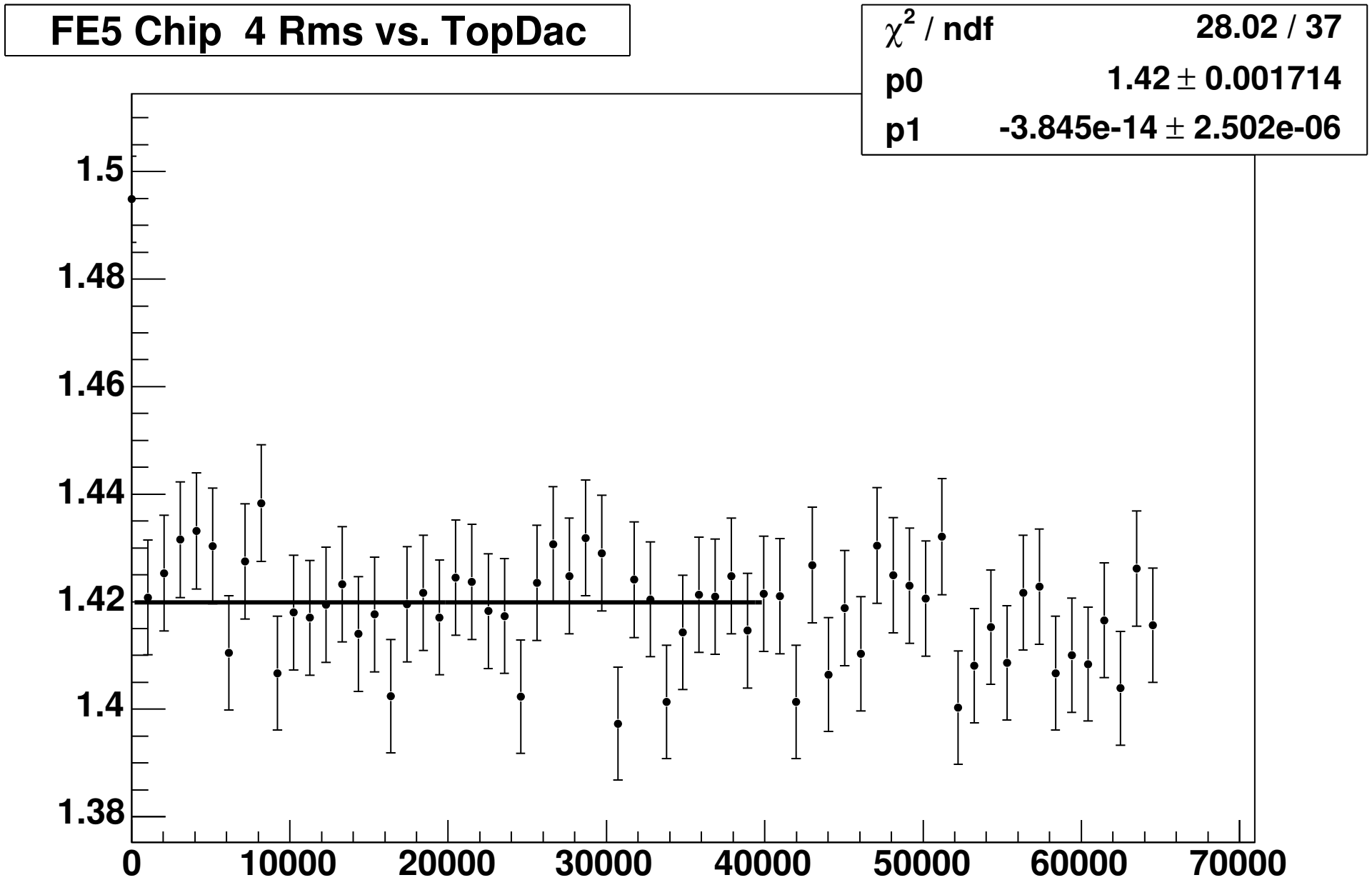
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 28.02 / 37
p0 1.42 ± 0.001714
p1 -3.845e-14 ± 2.502e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
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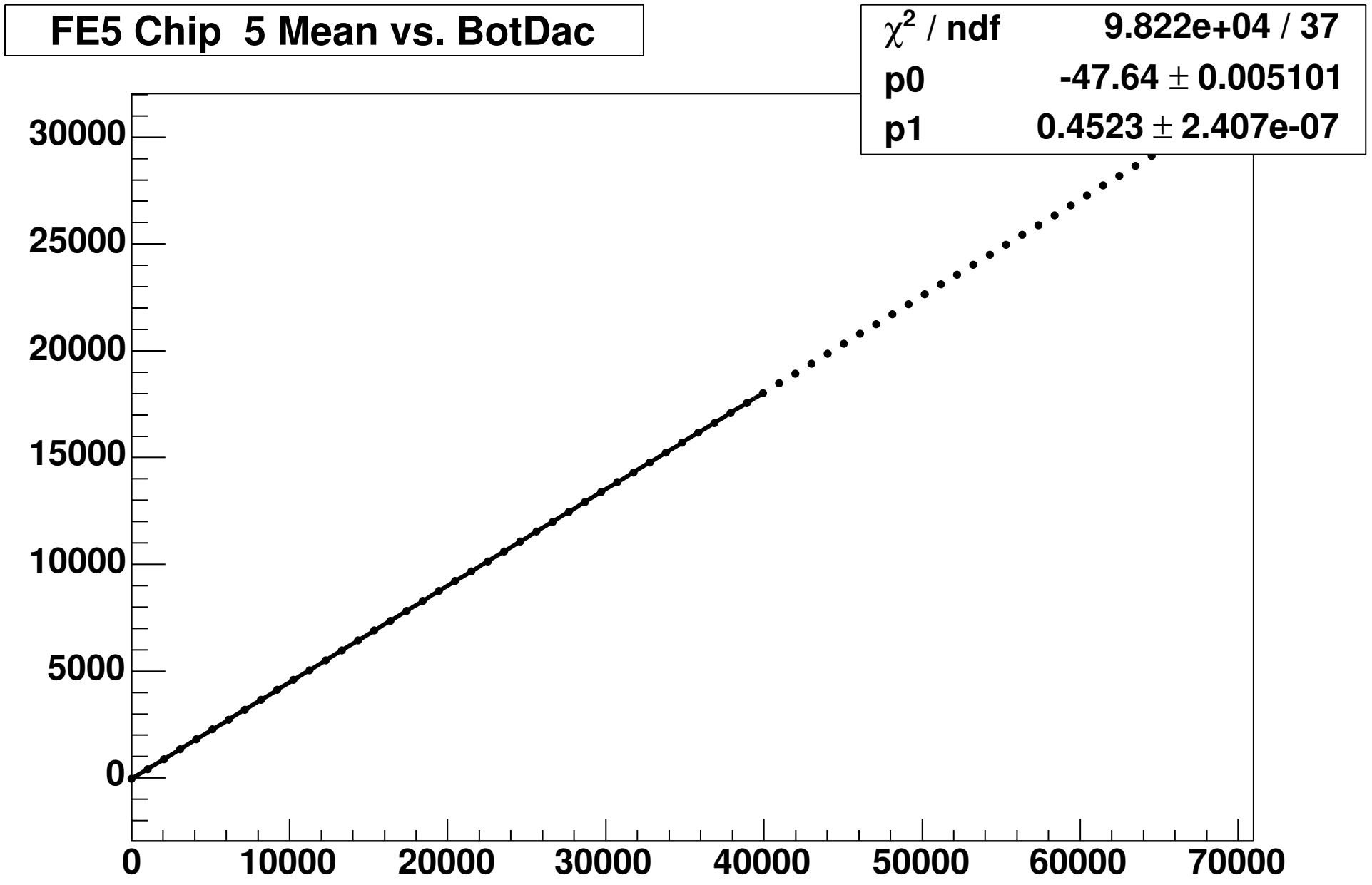
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 9.822e+04 / 37
p0 -47.64 ± 0.005101
p1 0.4523 ± 2.407e-07
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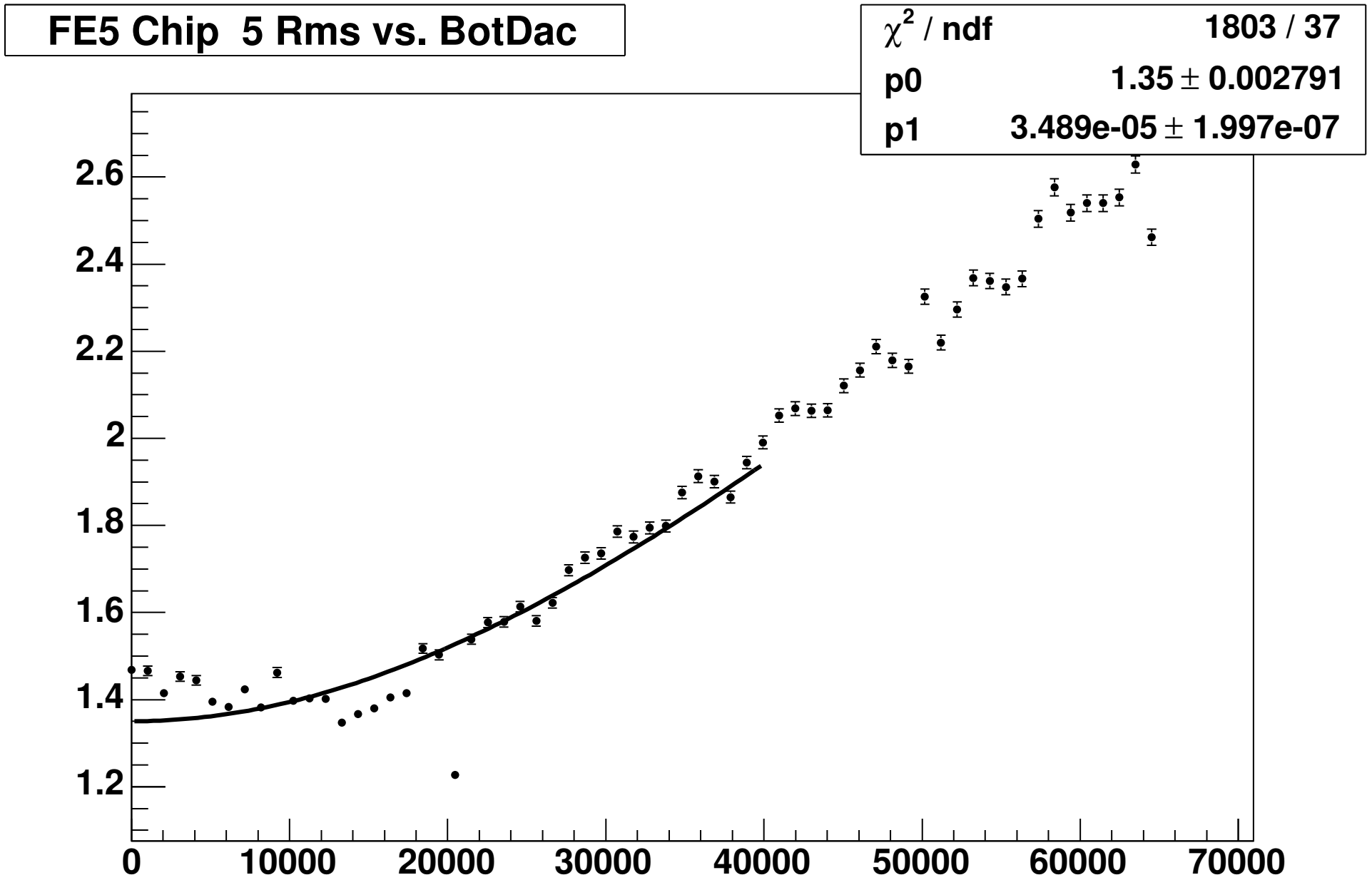
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 1803 / 37
p0 1.35 ± 0.002791
p1 3.489e-05 ± 1.997e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
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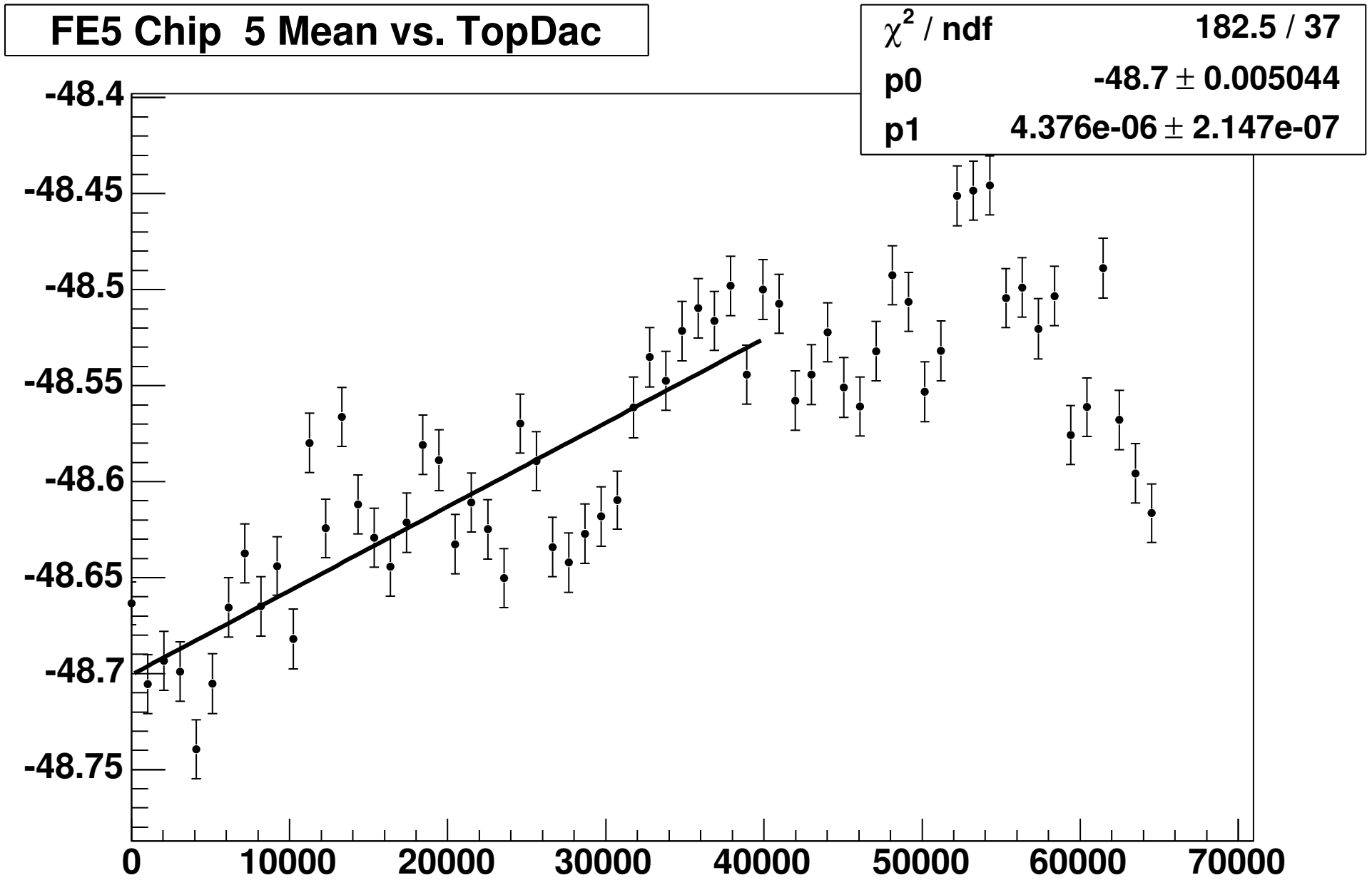
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 182.5 / 37
p0 -48.7 ± 0.005044
p1 4.376e-06 ± 2.147e-07
-48.4
-48.45
-48.5
-48.55
-48.6
-48.65
-48.7
-48.75
0
10000
20000
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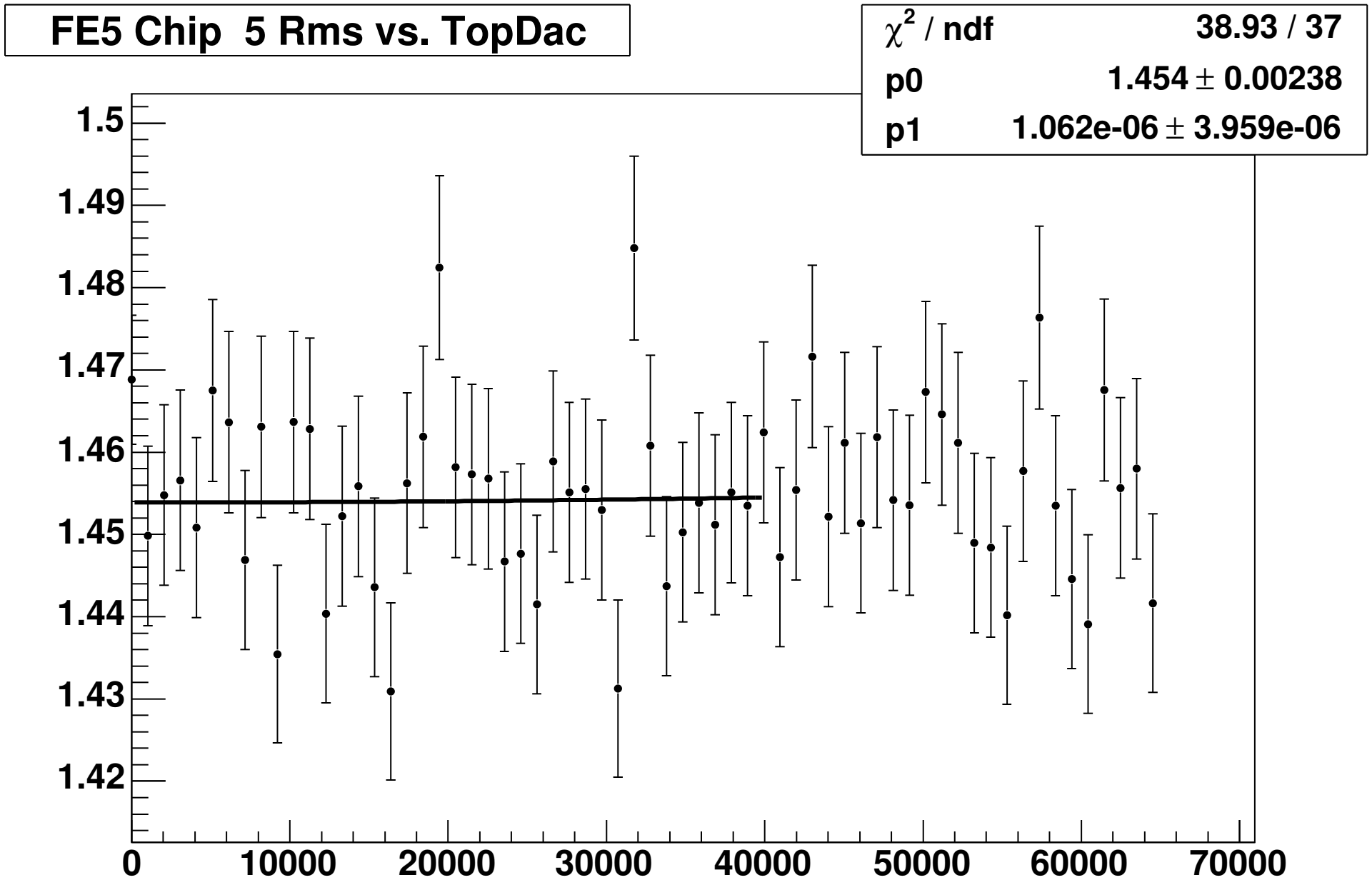
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 38.93 / 37
p0 1.454 ± 0.00238
p1 1.062e-06 ± 3.959e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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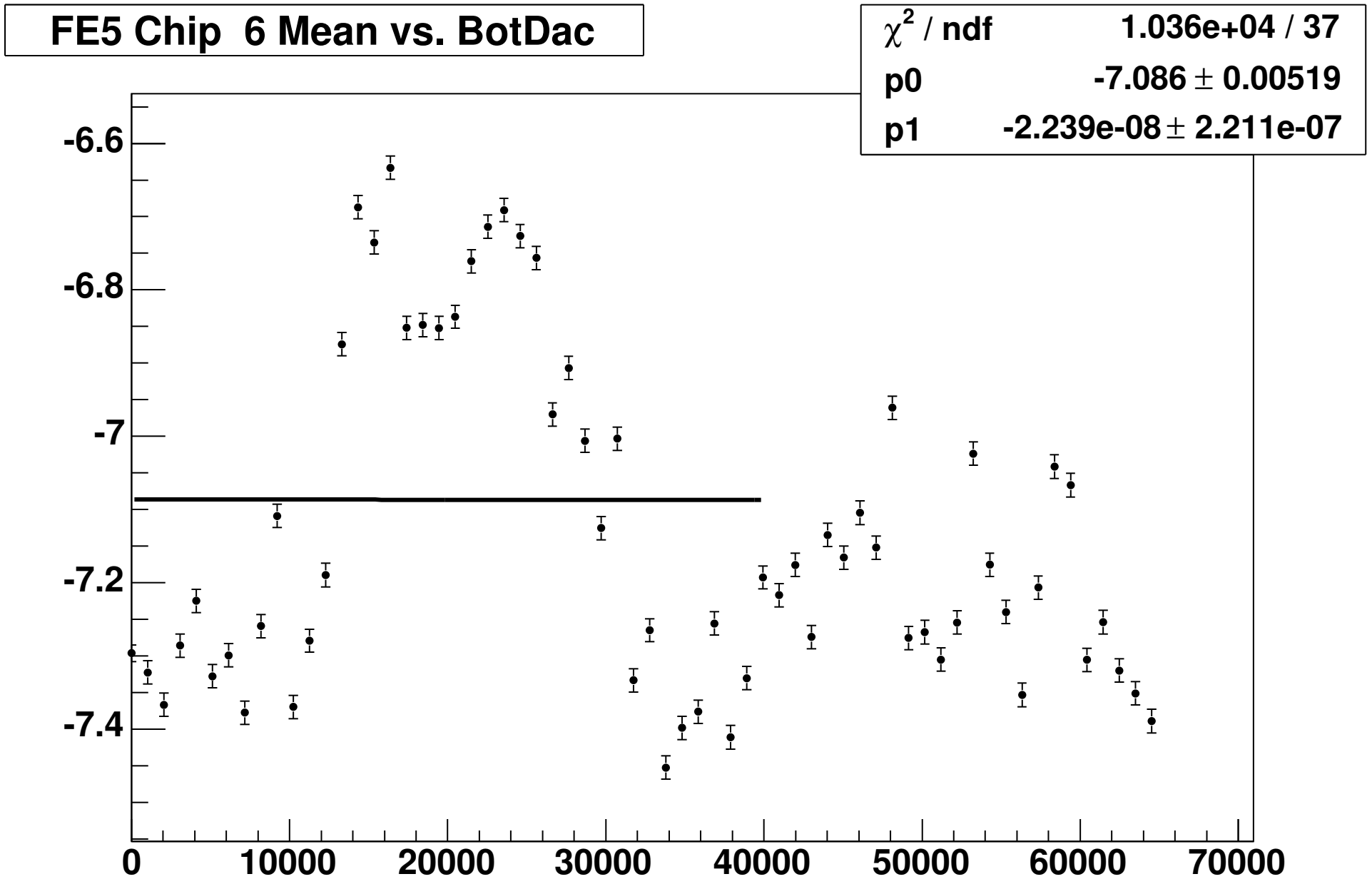
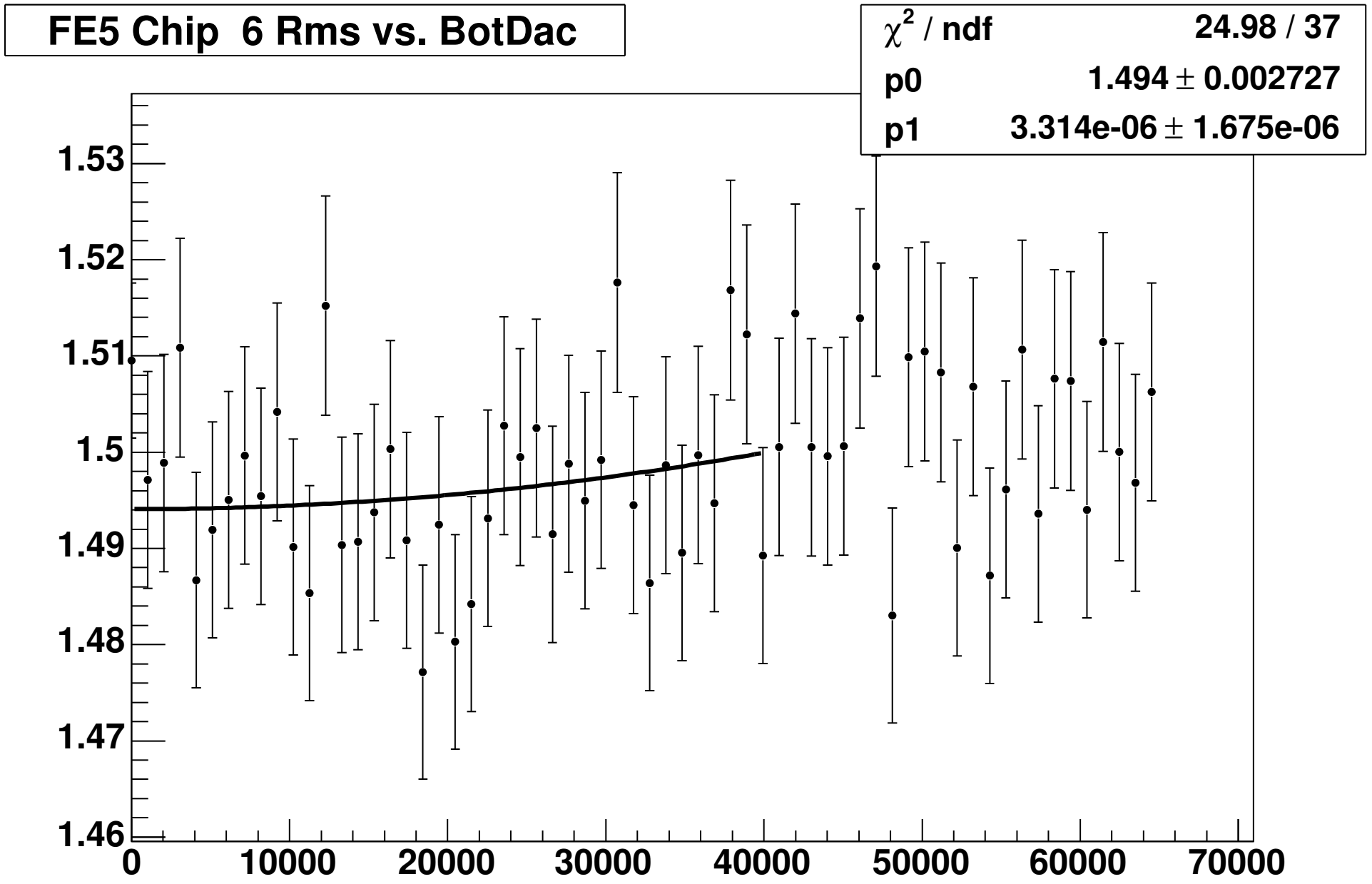
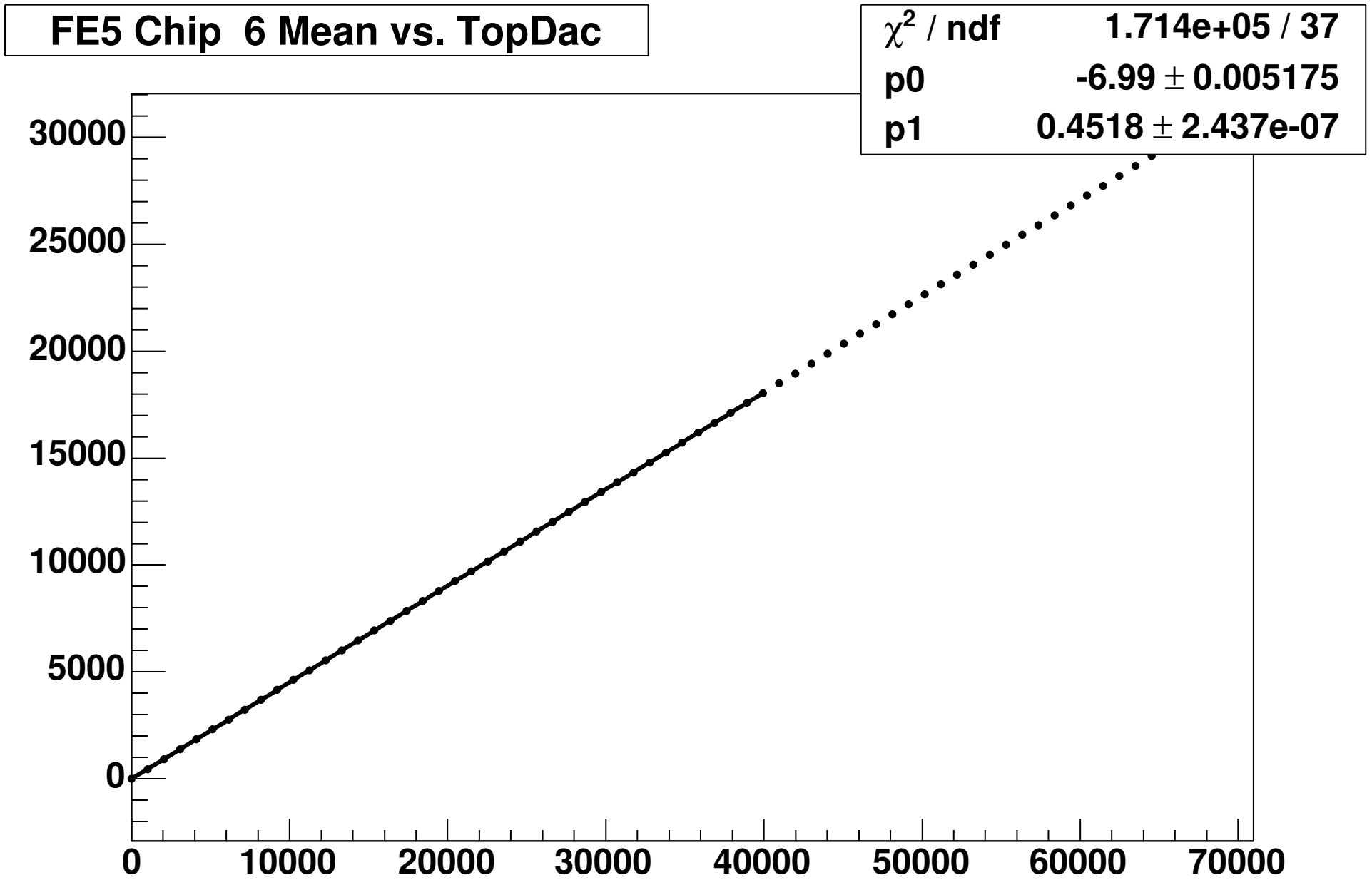

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 1.036e+04 / 37
p0 -7.086 ± 0.00519
p1 -2.239e-08 ± 2.211e-07
-6.6
-6.8
-7
-7.2
-7.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 24.98 / 37
p0 1.494 ± 0.002727
p1 3.314e-06 ± 1.675e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.714e+05 / 37
p0 -6.99 ± 0.005175
p1 0.4518 ± 2.437e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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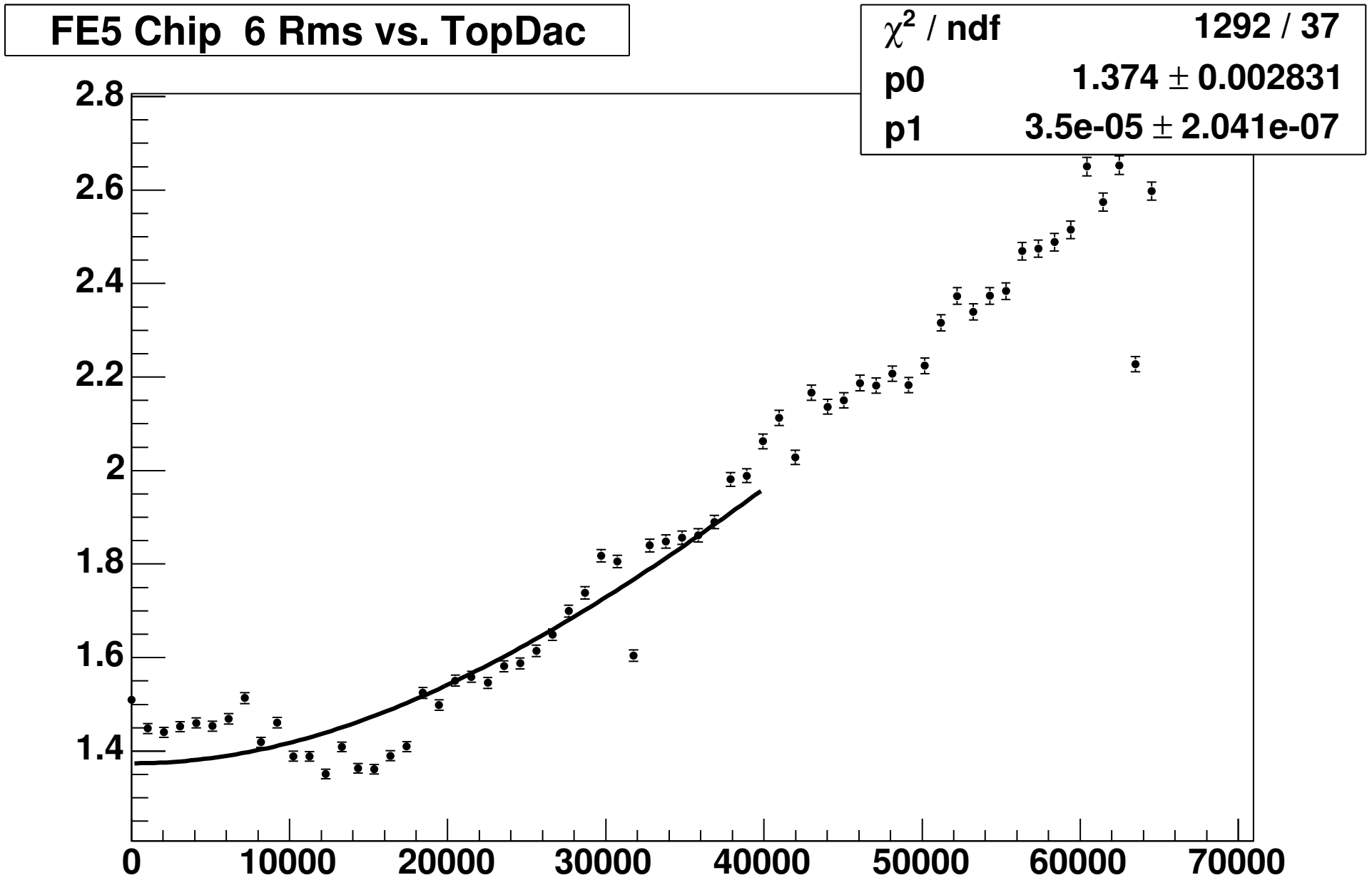
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1292 / 37
p0 1.374 ± 0.002831
p1 3.5e-05 ± 2.041e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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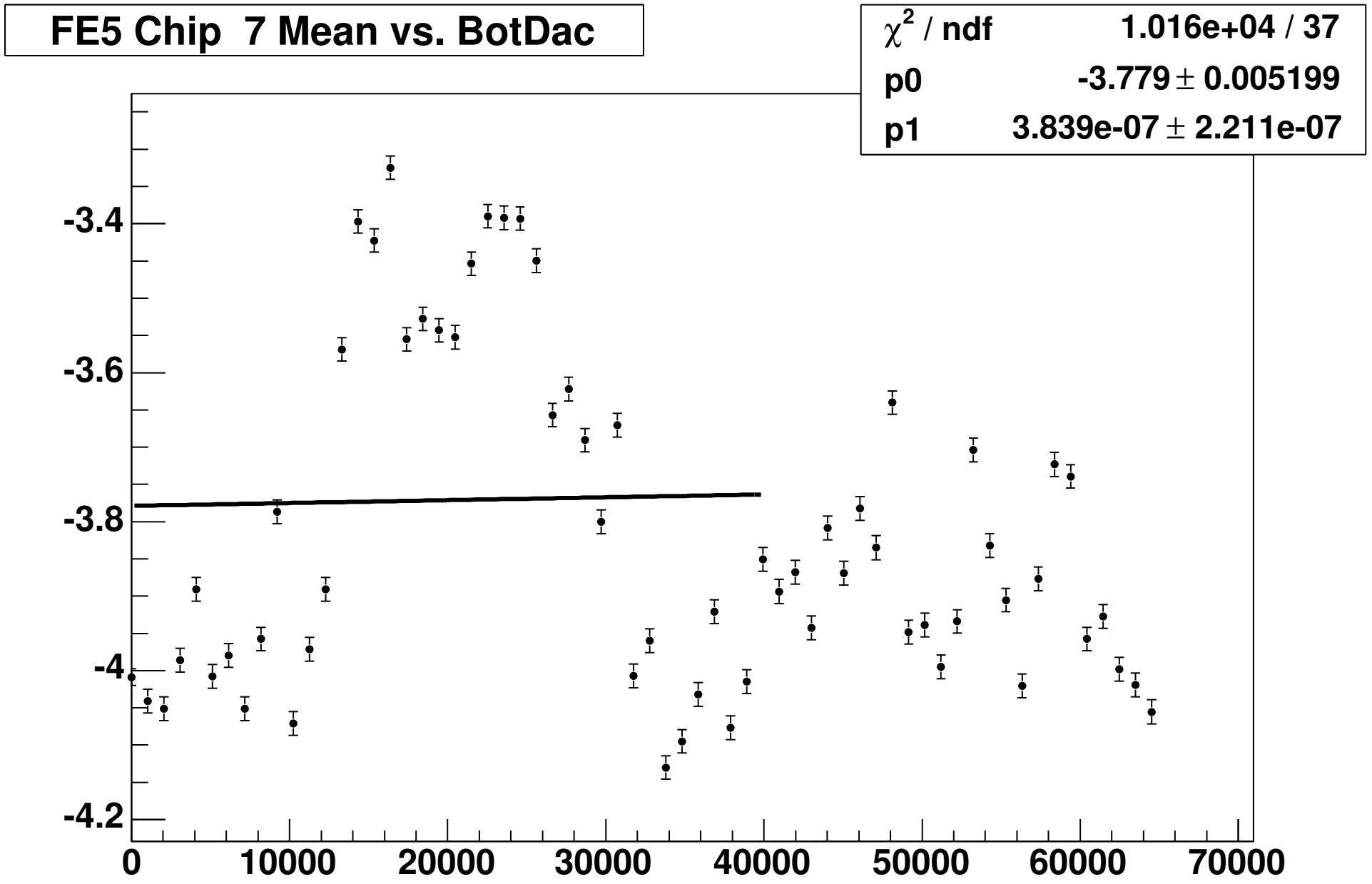
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 1.016e+04 / 37
p0 -3.779 ± 0.005199
p1 3.839e-07 ± 2.211e-07
-3.4
-3.6
-3.8
-4
-4.2
0
10000
20000
30000
40000
50000
60000
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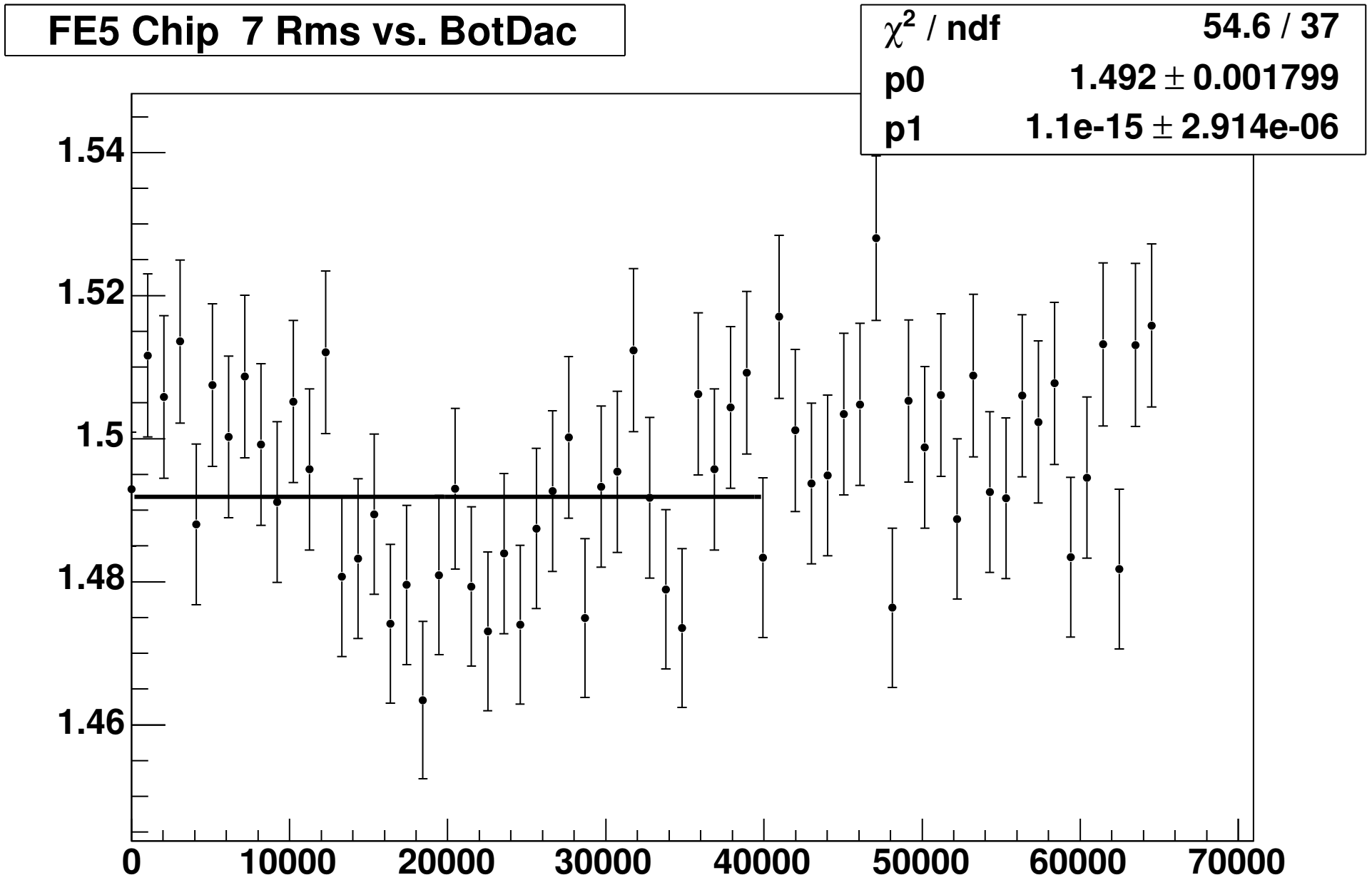
FE5 Chip 7 Rms vs. BotDac
χ² / ndf 54.6 / 37
p0 1.492 ± 0.001799
p1 1.1e-15 ± 2.914e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
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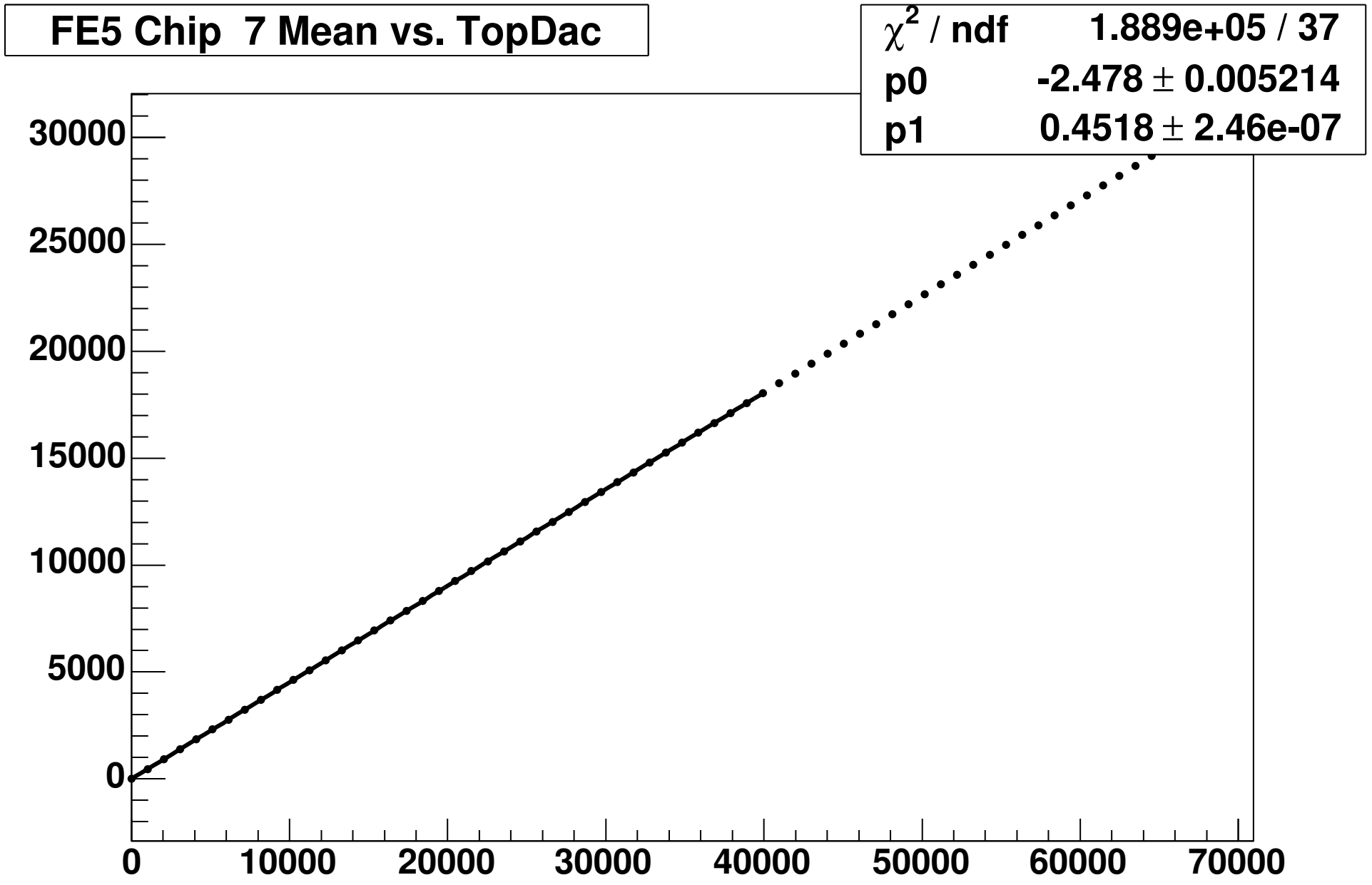
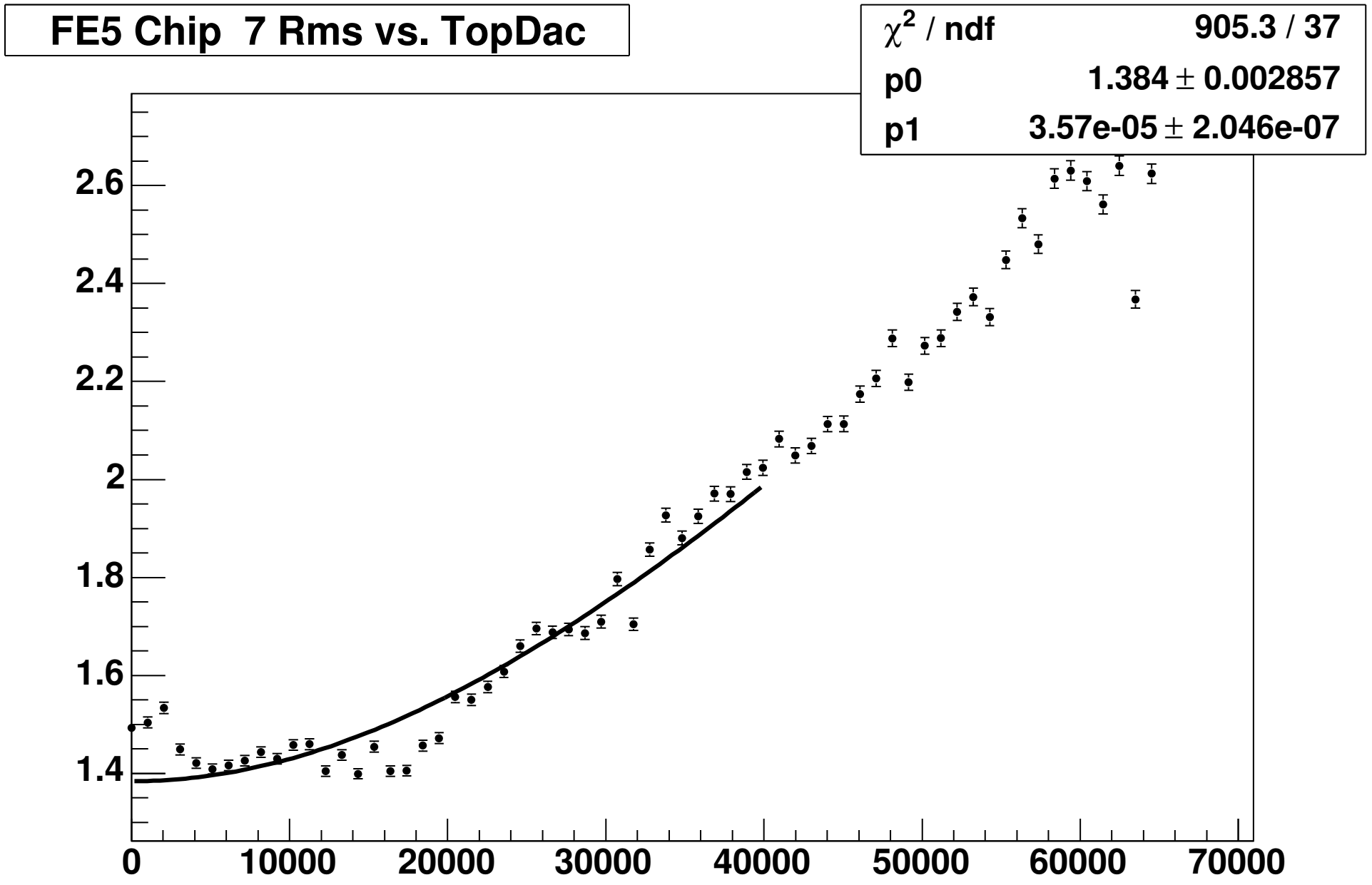

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.889e+05 / 37
p0 -2.478 ± 0.005214
p1 0.4518 ± 2.46e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ^2 / ndf 905.3 / 37
p0 1.384 ± 0.002857
p1 3.57e-05 ± 2.046e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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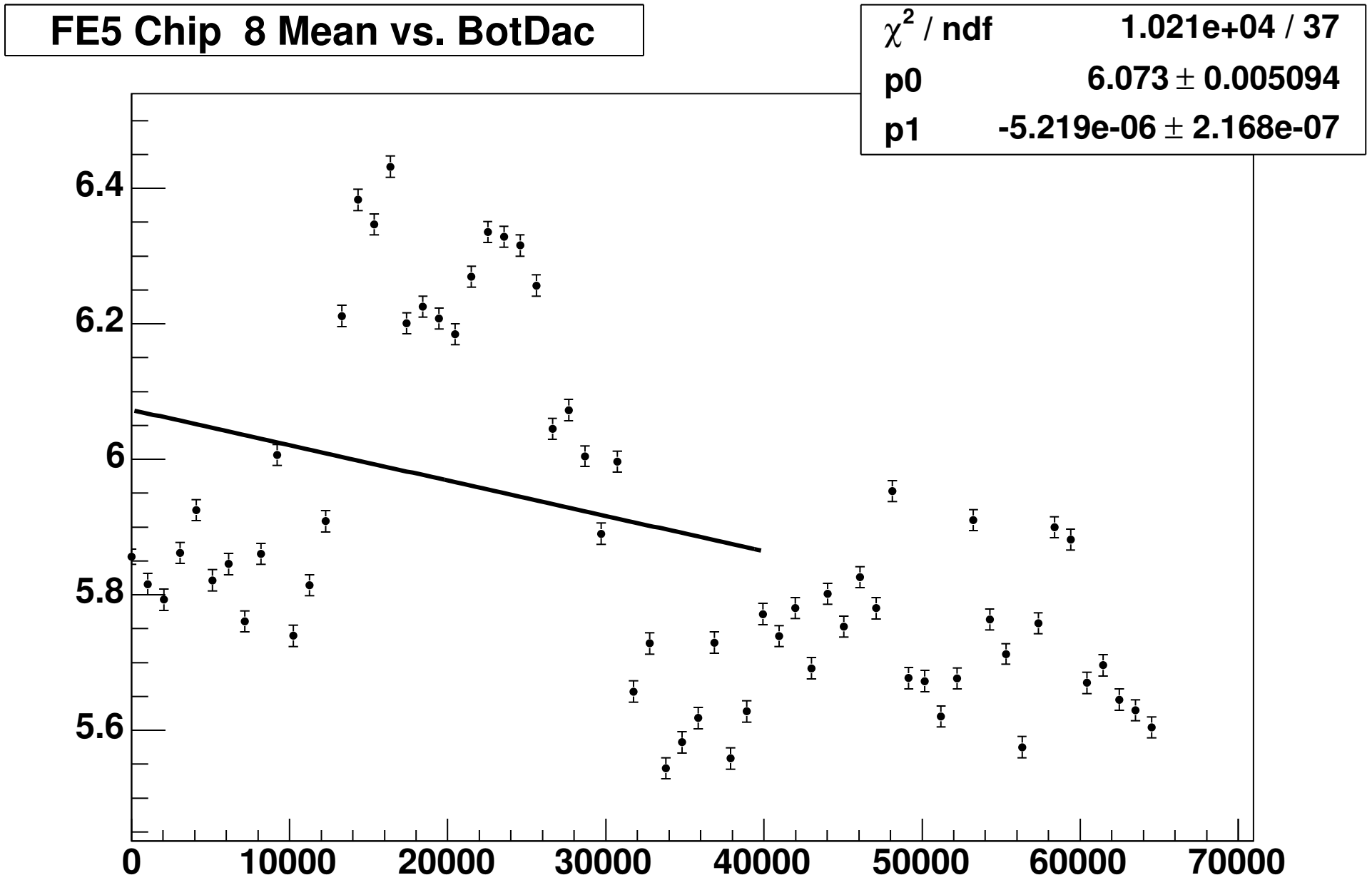
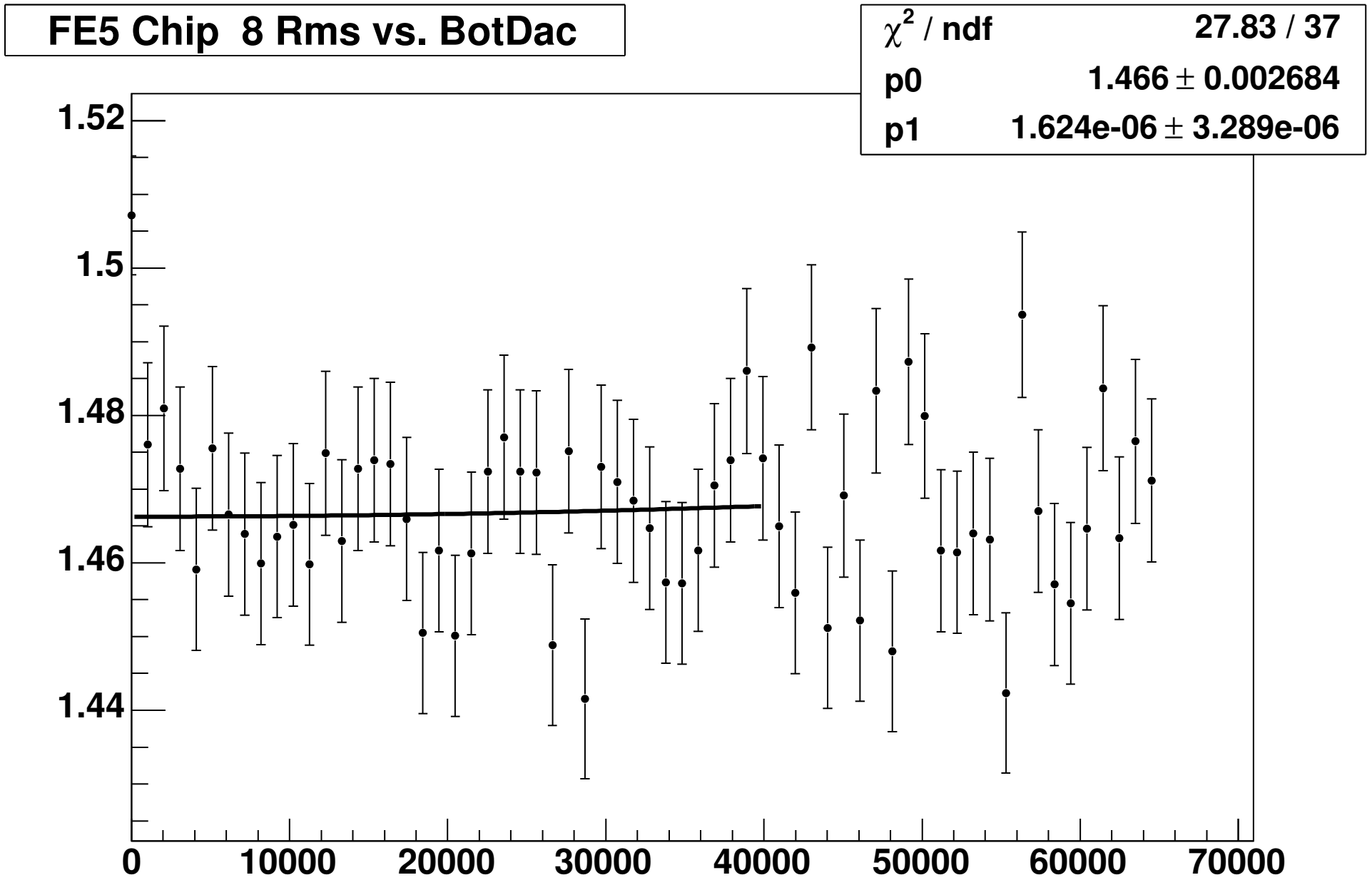
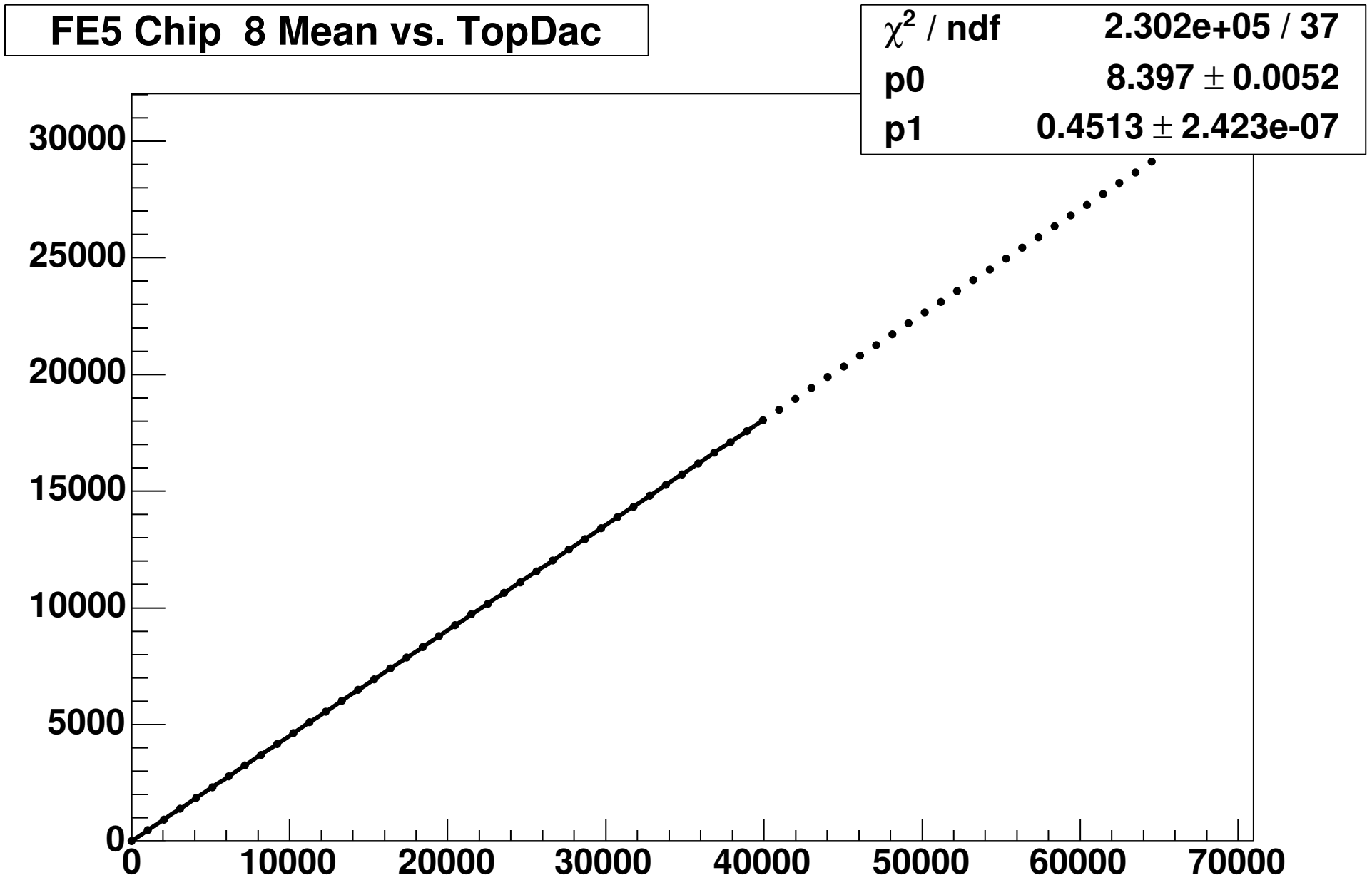
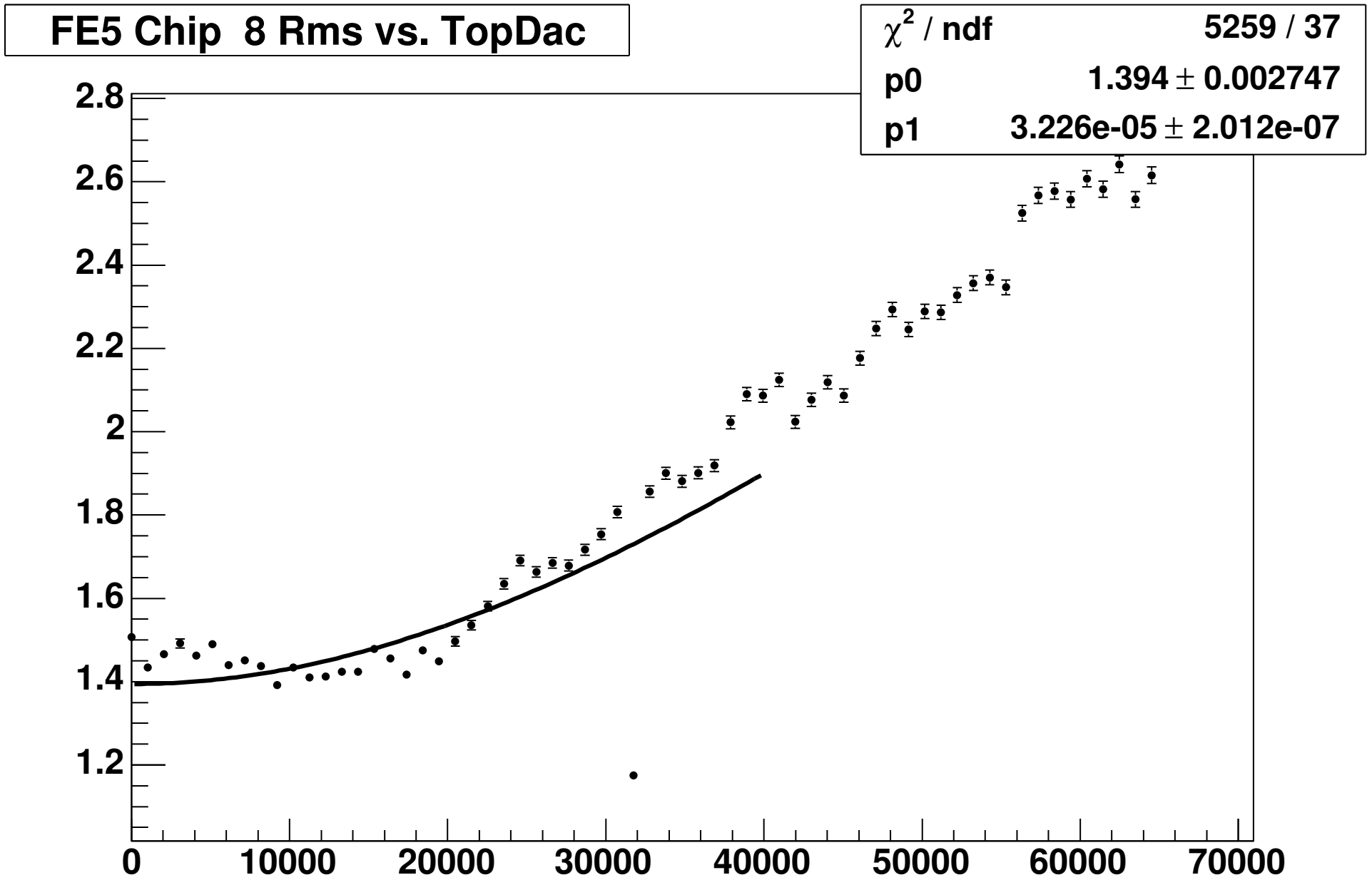
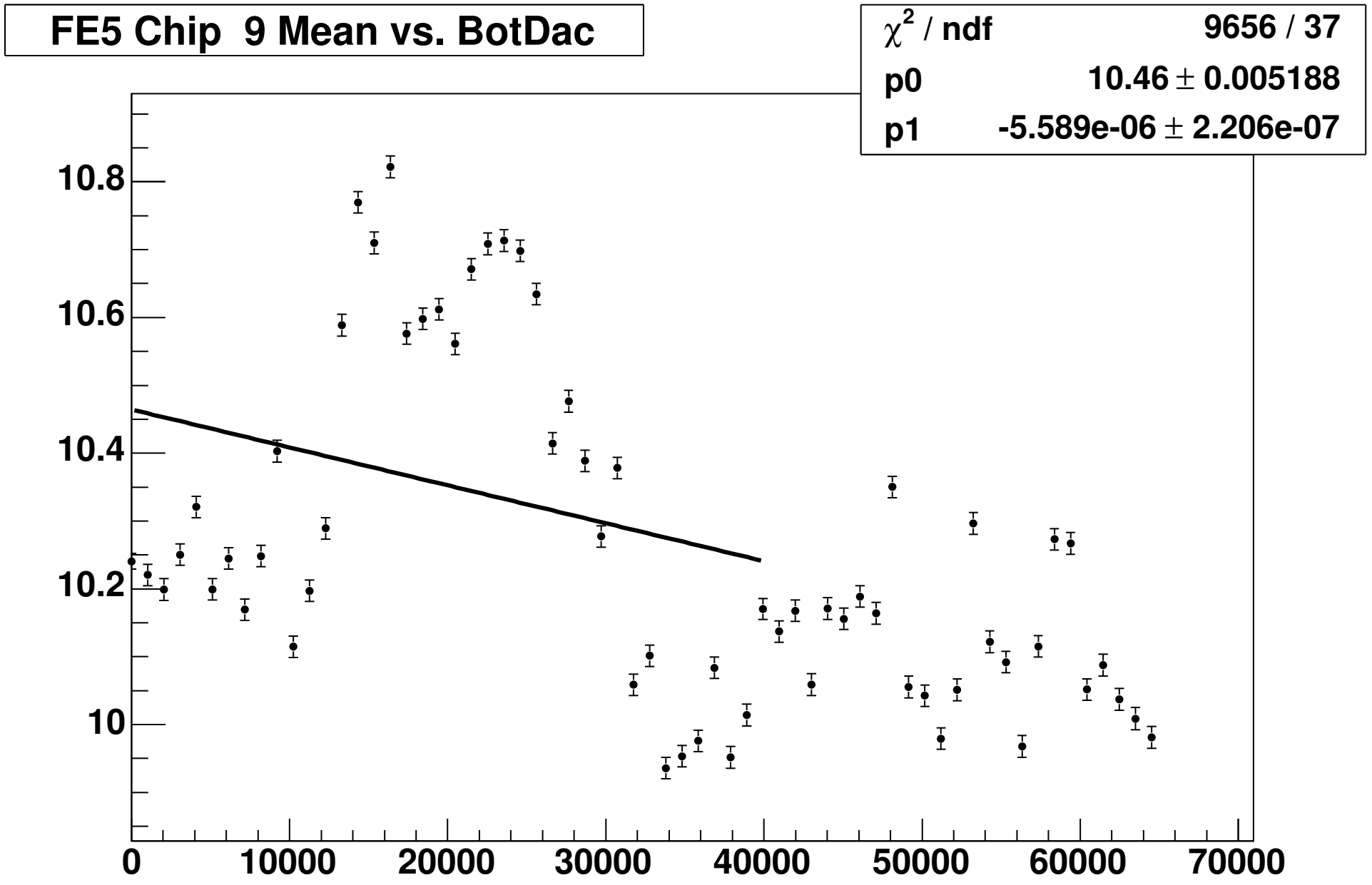
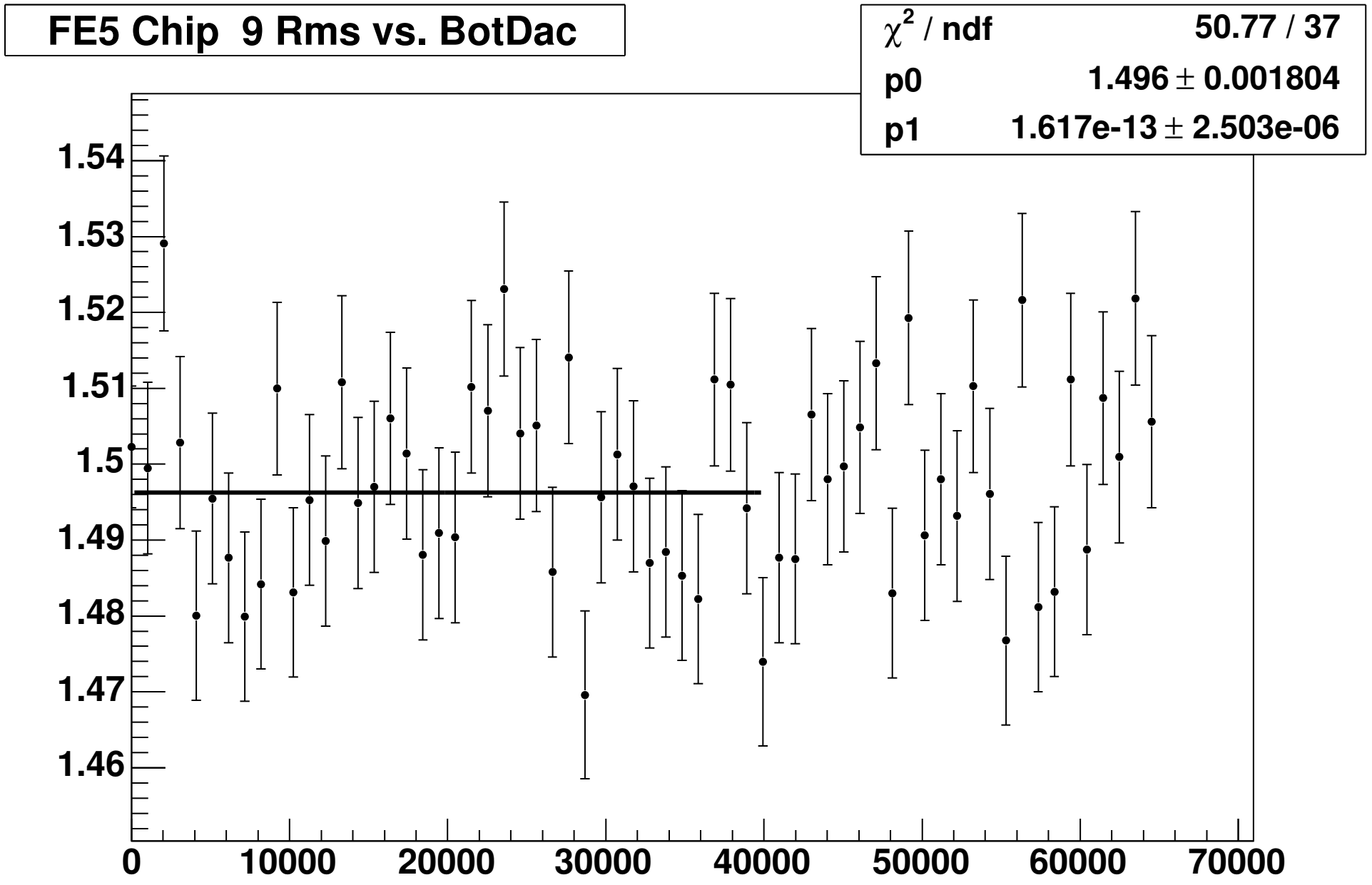

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 1.021e+04 / 37
p0 6.073 ± 0.005094
p1 -5.219e-06 ± 2.168e-07
6.4
6.2
6
5.8
5.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 27.83 / 37
p0 1.466 ± 0.002684
p1 1.624e-06 ± 3.289e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 2.302e+05 / 37
p0 8.397 ± 0.0052
p1 0.4513 ± 2.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 5259 / 37
p0 1.394 ± 0.002747
p1 3.226e-05 ± 2.012e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 9656 / 37
p0 10.46 ± 0.005188
p1 -5.589e-06 ± 2.206e-07
10.8
10.6
10.4
10.2
10
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 50.77 / 37
p0 1.496 ± 0.001804
p1 1.617e-13 ± 2.503e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
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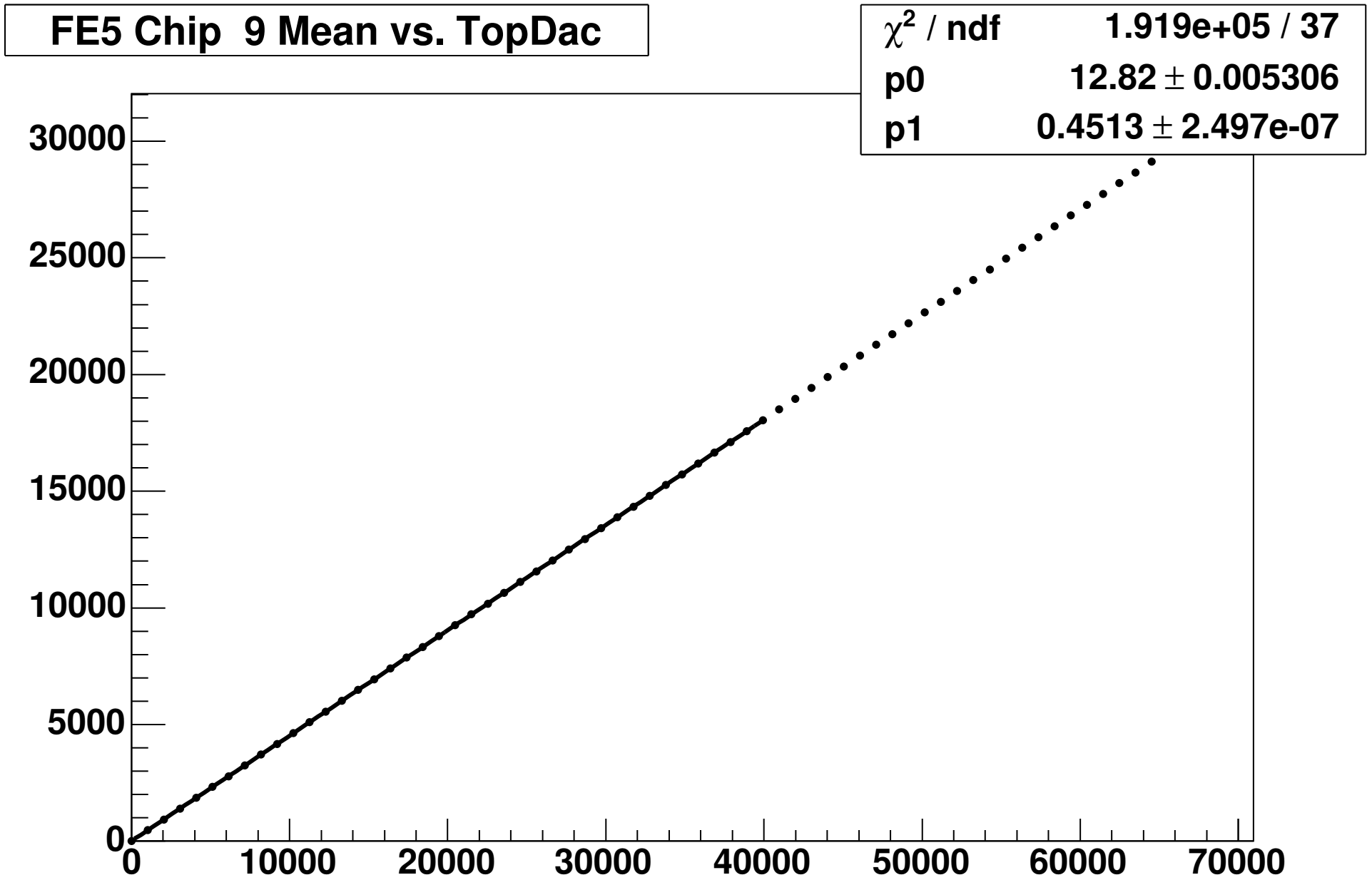
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.919e+05 / 37
p0 12.82 ± 0.005306
p1 0.4513 ± 2.497e-07
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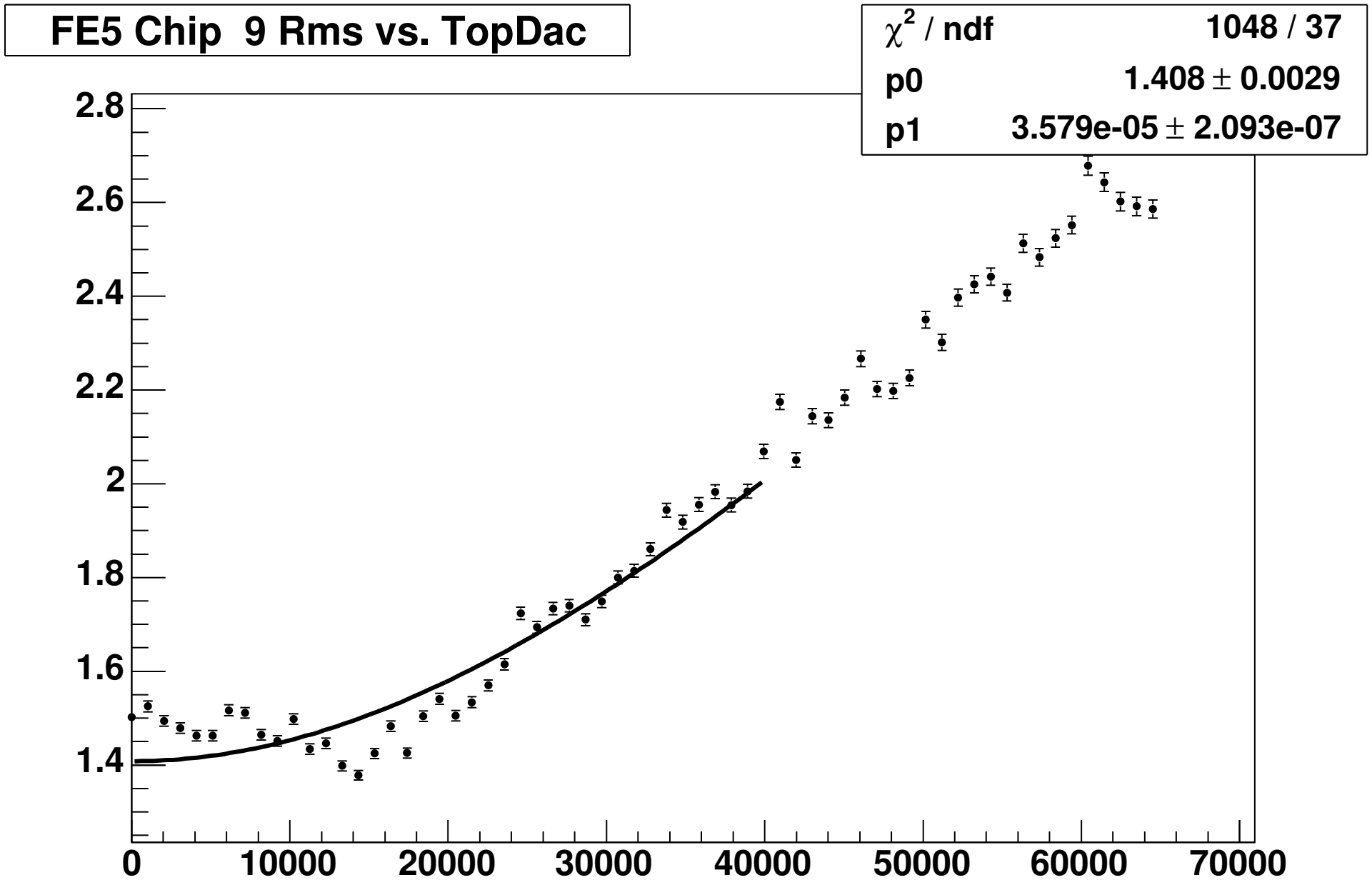
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1048 / 37
p0 1.408 ± 0.0029
p1 3.579e-05 ± 2.093e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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60000
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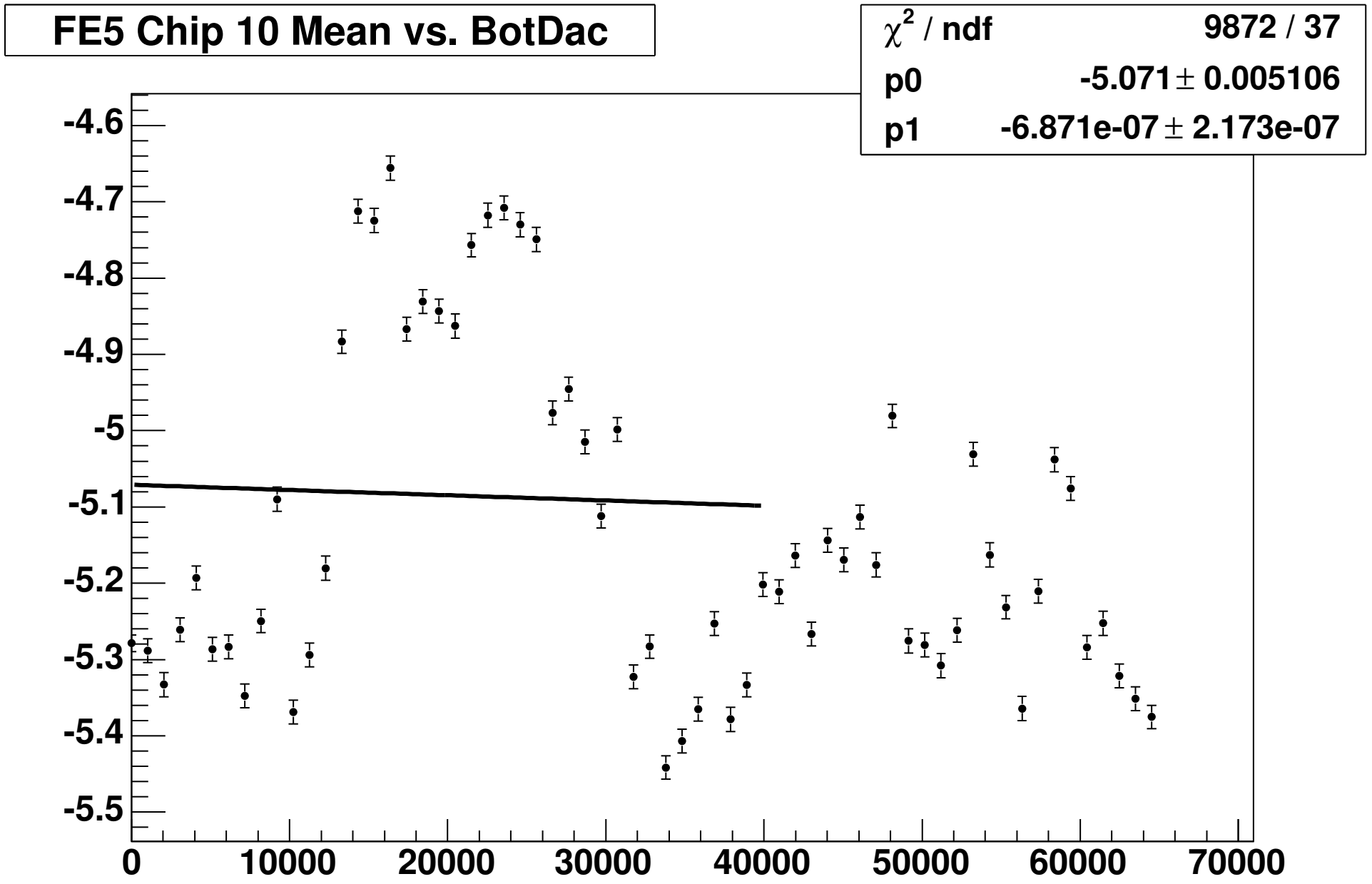
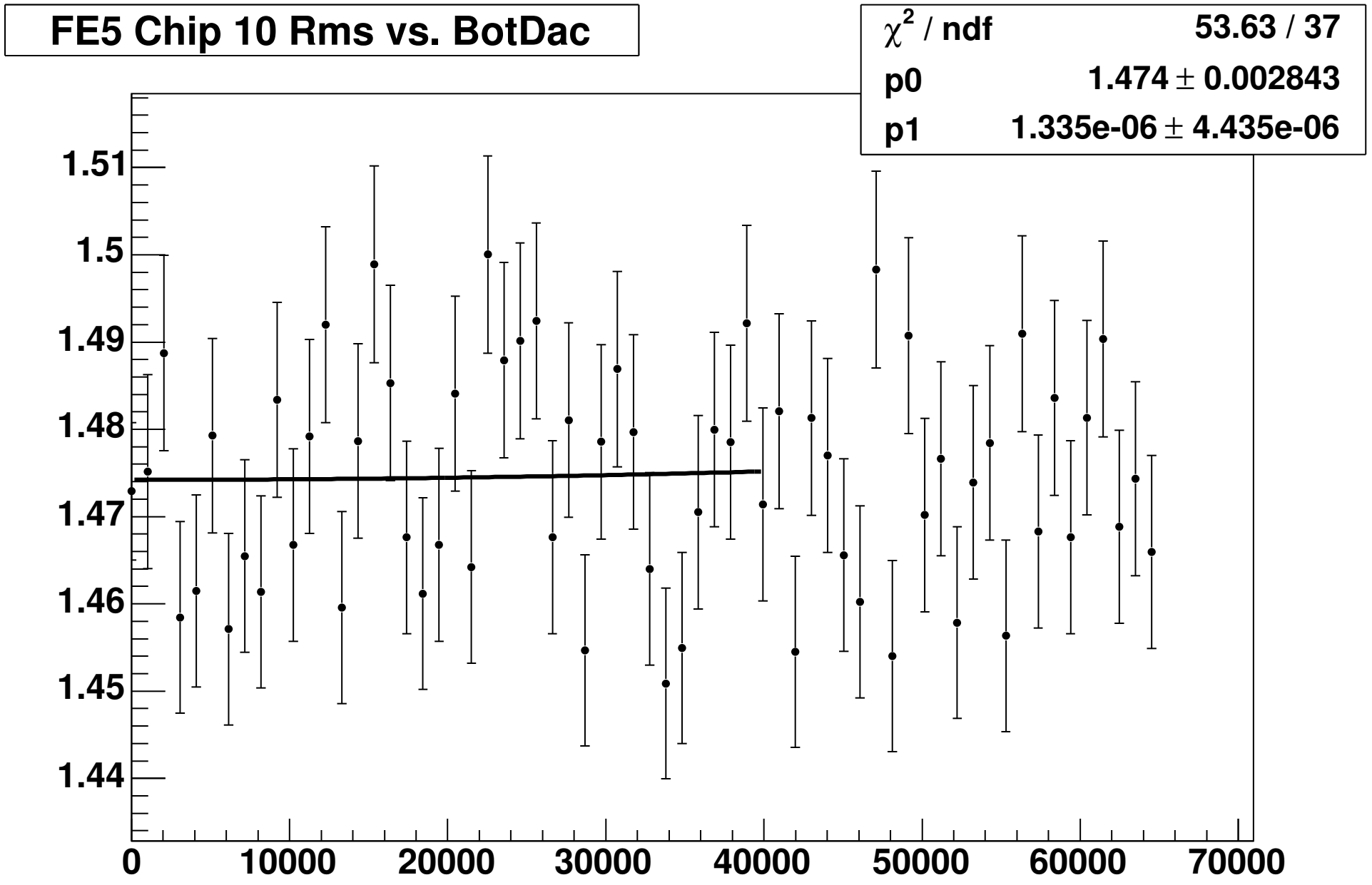
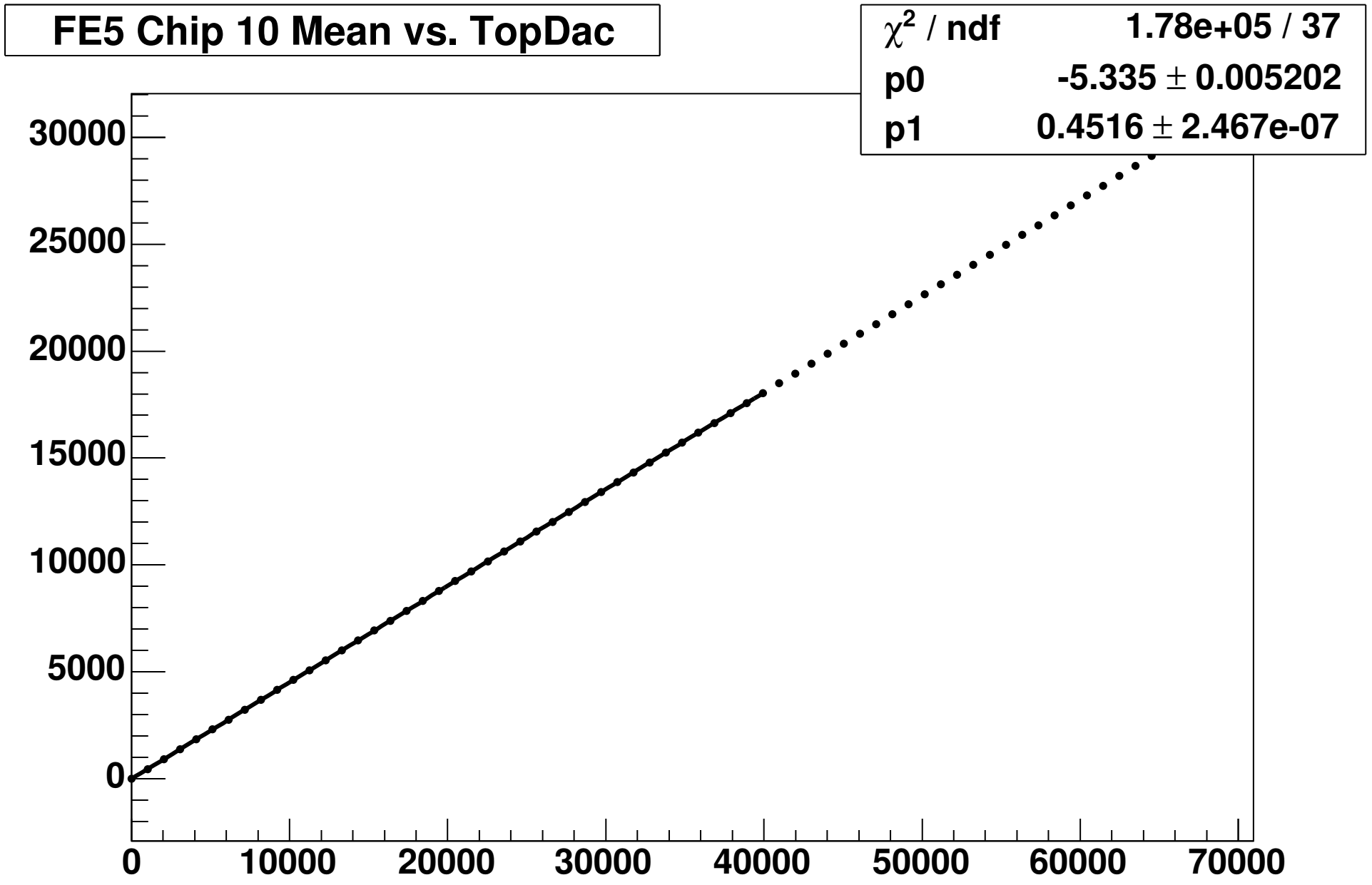

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 9872 / 37
p0 -5.071 ± 0.005106
p1 -6.871e-07 ± 2.173e-07
-4.6
-4.7
-4.8
-4.9
-5
-5.1
-5.2
-5.3
-5.4
-5.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 53.63 / 37
p0 1.474 ± 0.002843
p1 1.335e-06 ± 4.435e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.78e+05 / 37
p0 -5.335 ± 0.005202
p1 0.4516 ± 2.467e-07
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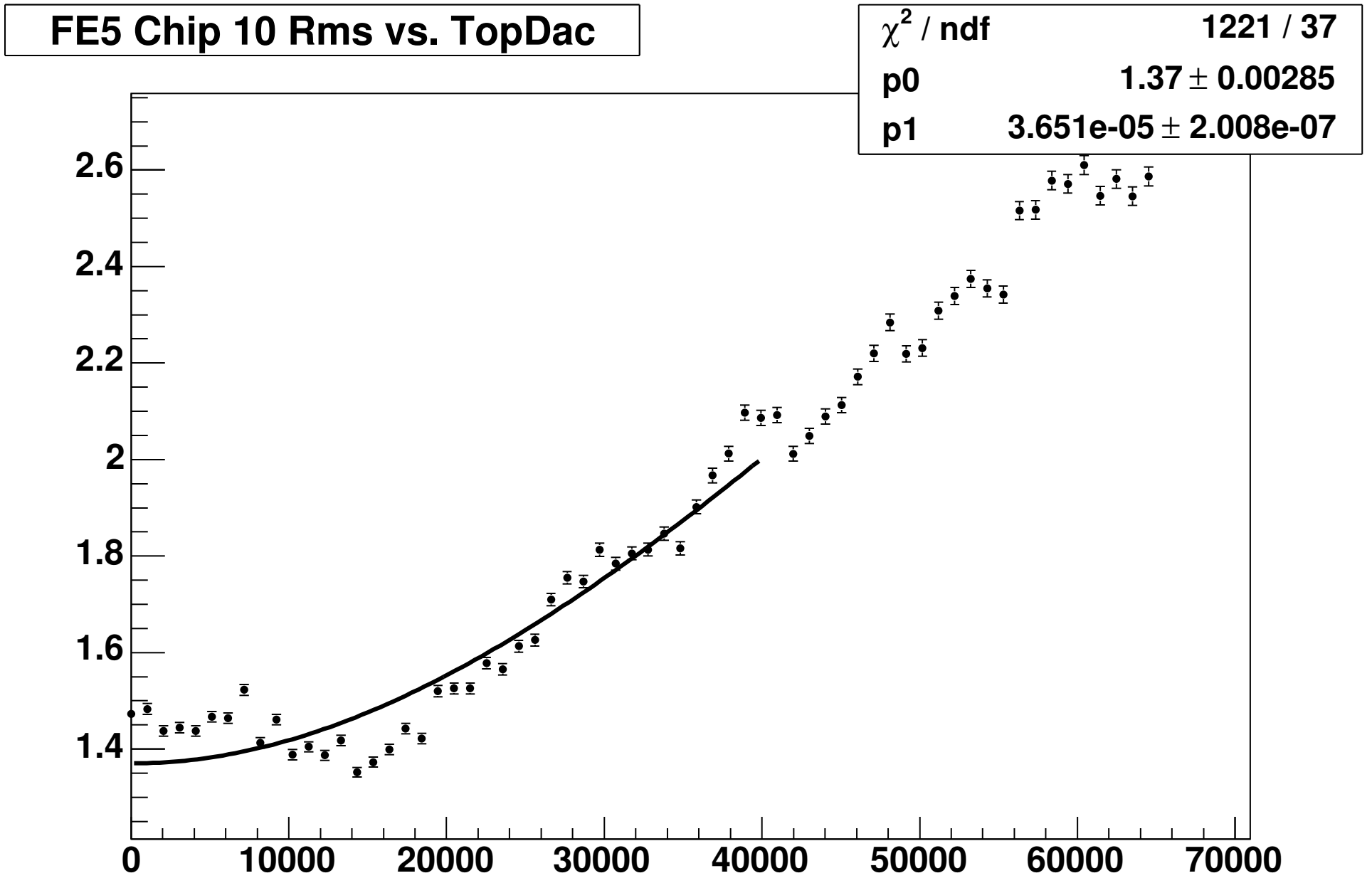
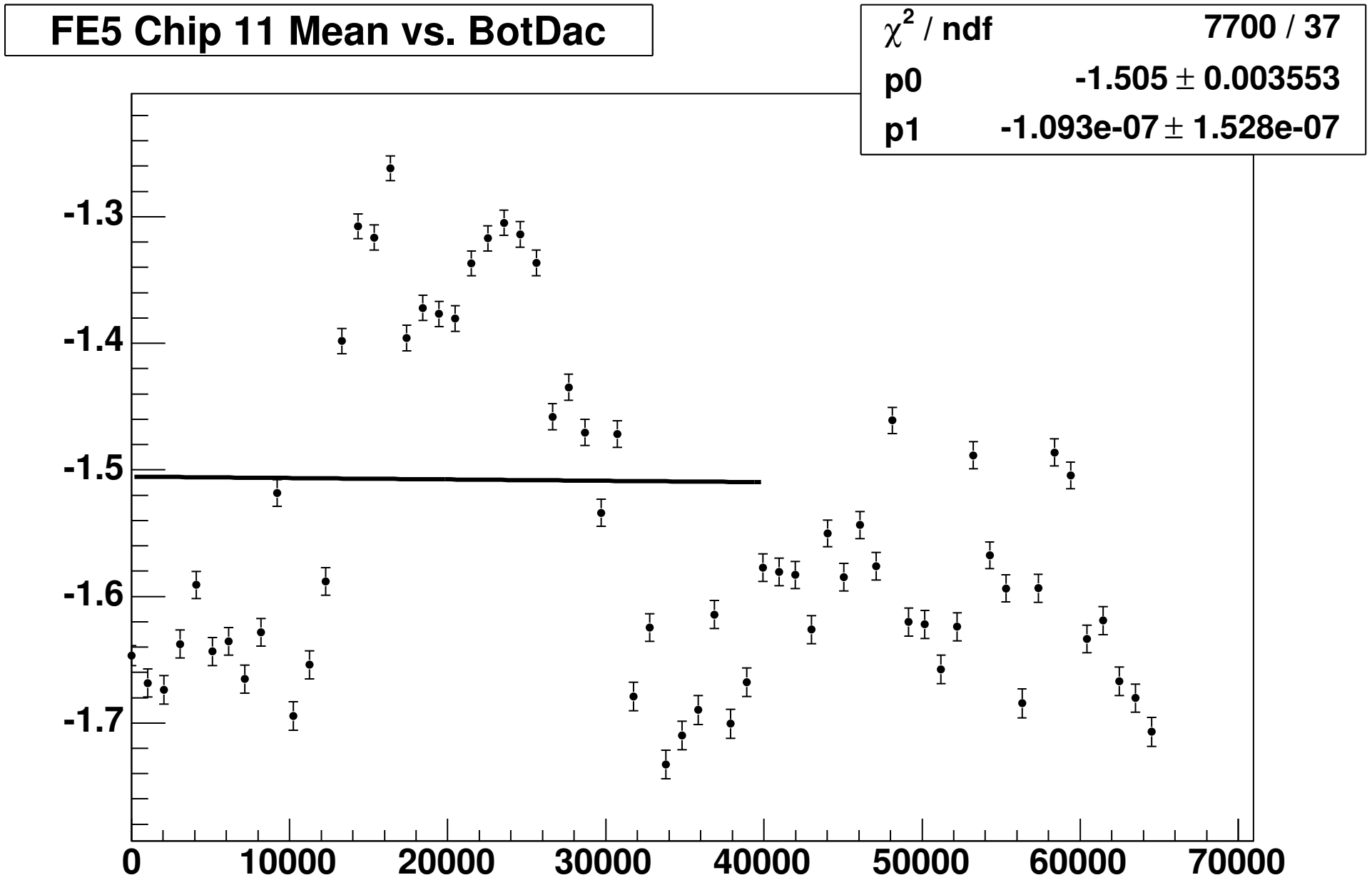
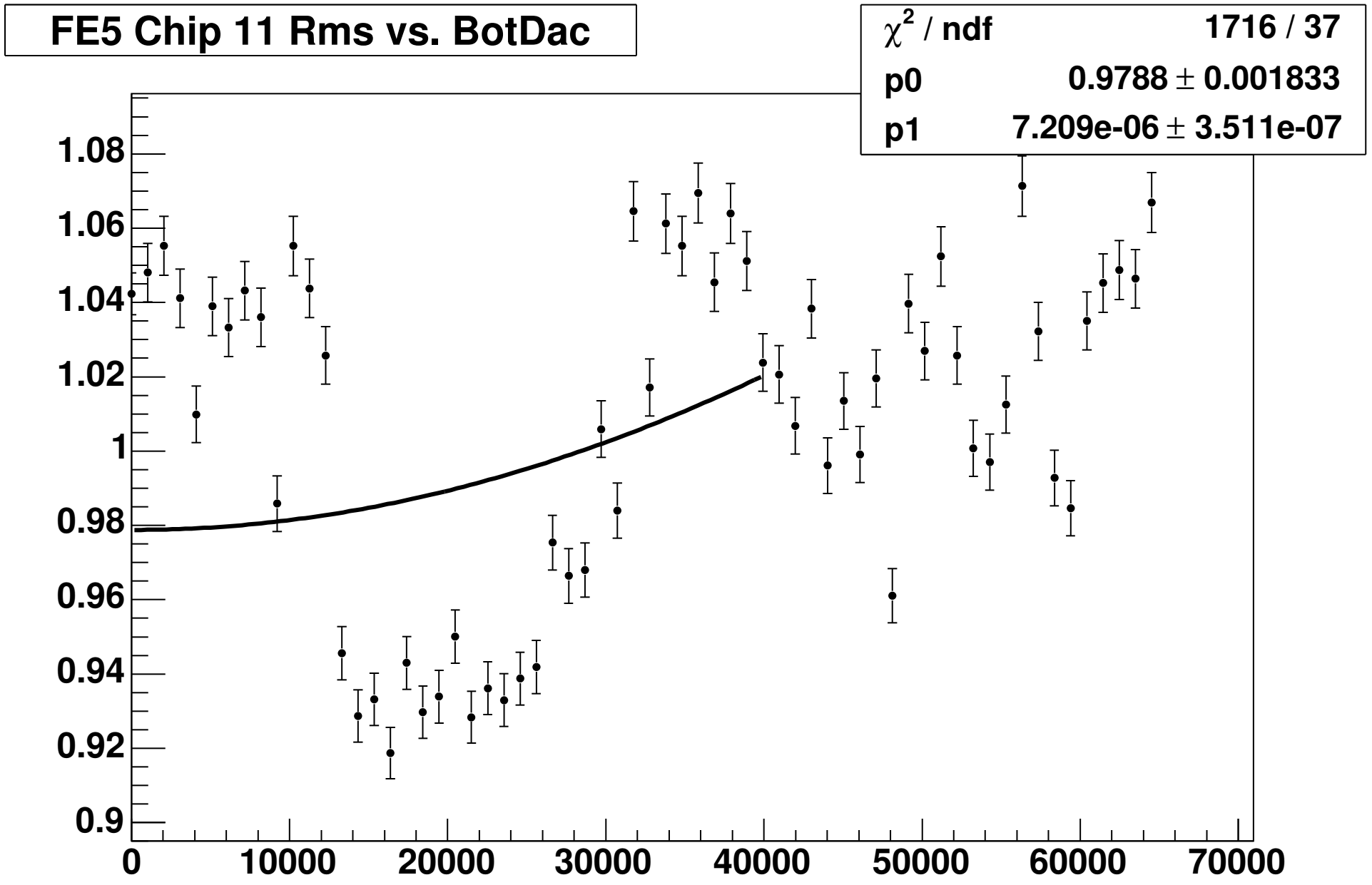
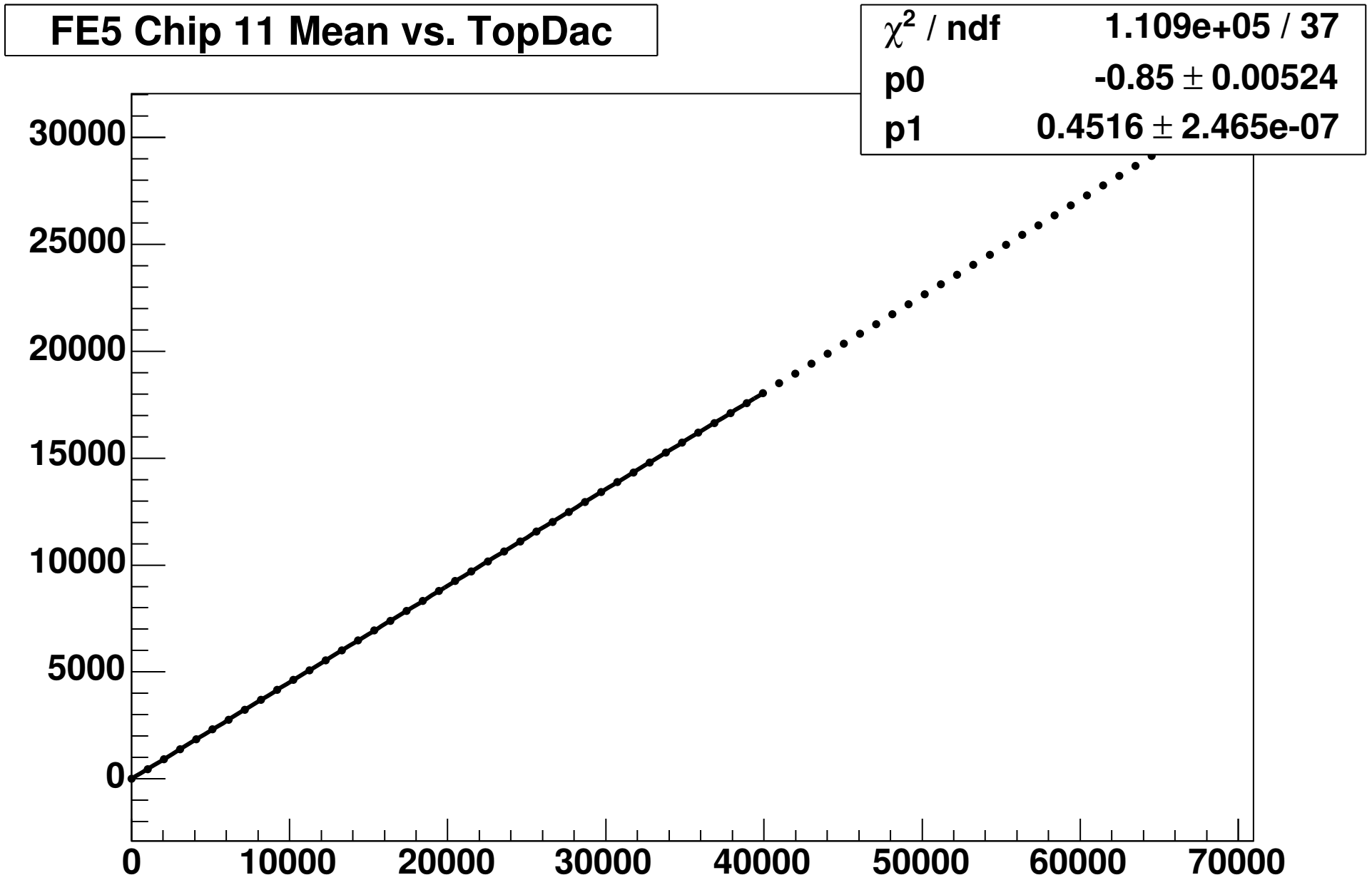
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1221 / 37
p0 1.37 ± 0.00285
p1 3.651e-05 ± 2.008e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 7700 / 37
p0 -1.505 ± 0.003553
p1 -1.093e-07 ± 1.528e-07
-1.3
-1.4
-1.5
-1.6
-1.7
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 1716 / 37
p0 0.9788 ± 0.001833
p1 7.209e-06 ± 3.511e-07
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
0.92
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.109e+05 / 37
p0 -0.85 ± 0.00524
p1 0.4516 ± 2.465e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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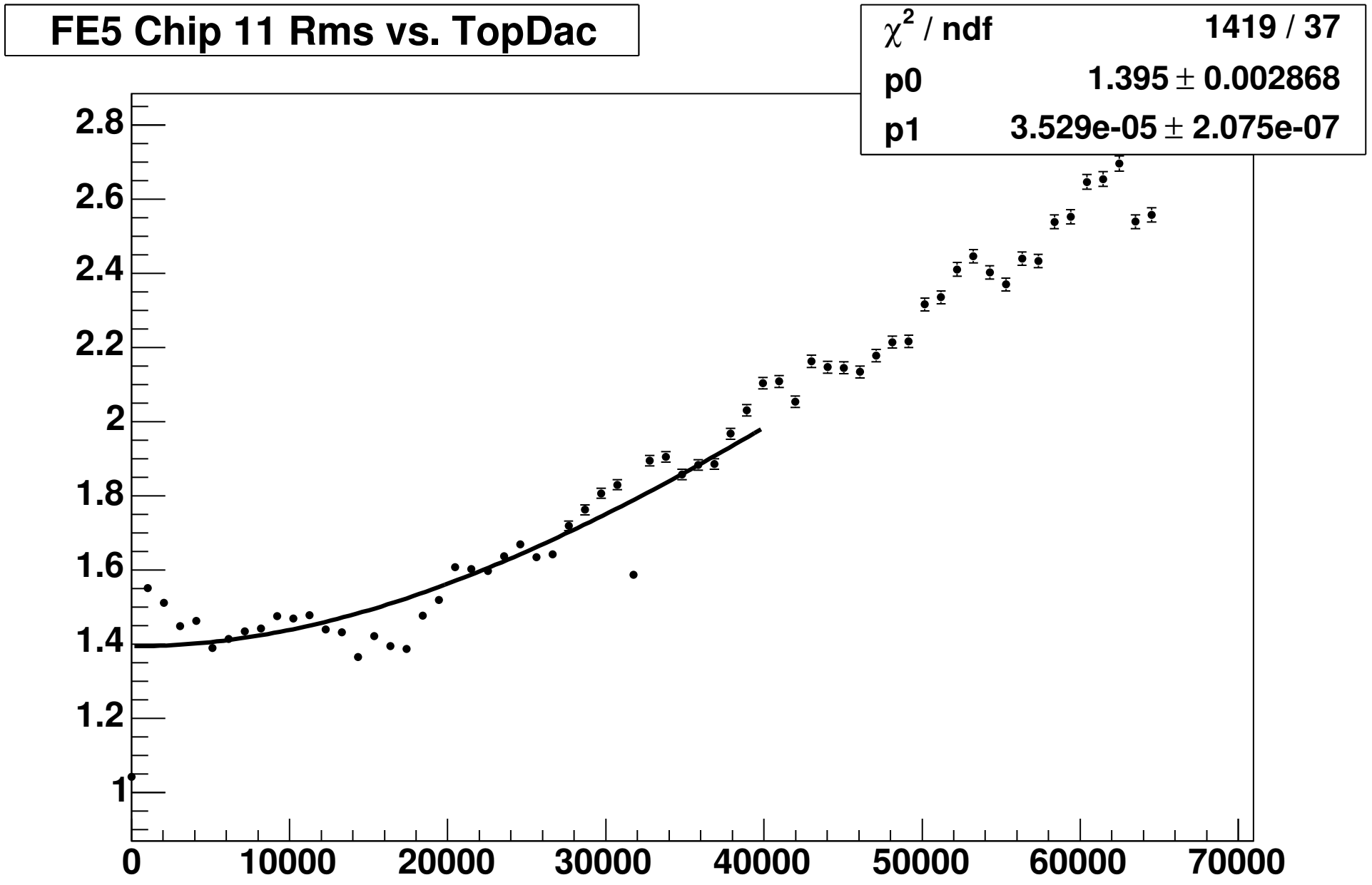
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1419 / 37
p0 1.395 ± 0.002868
p1 3.529e-05 ± 2.075e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
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60000
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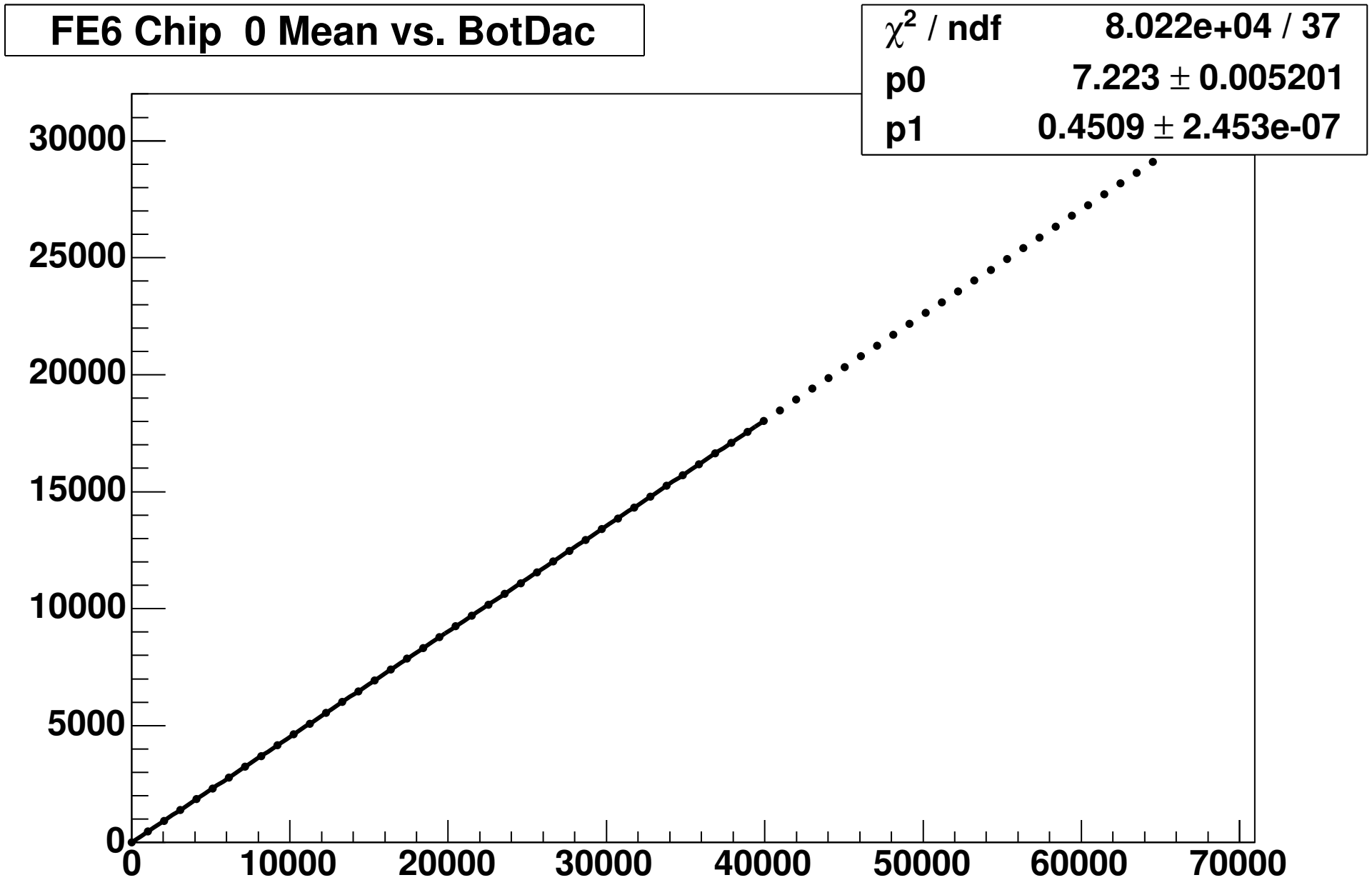
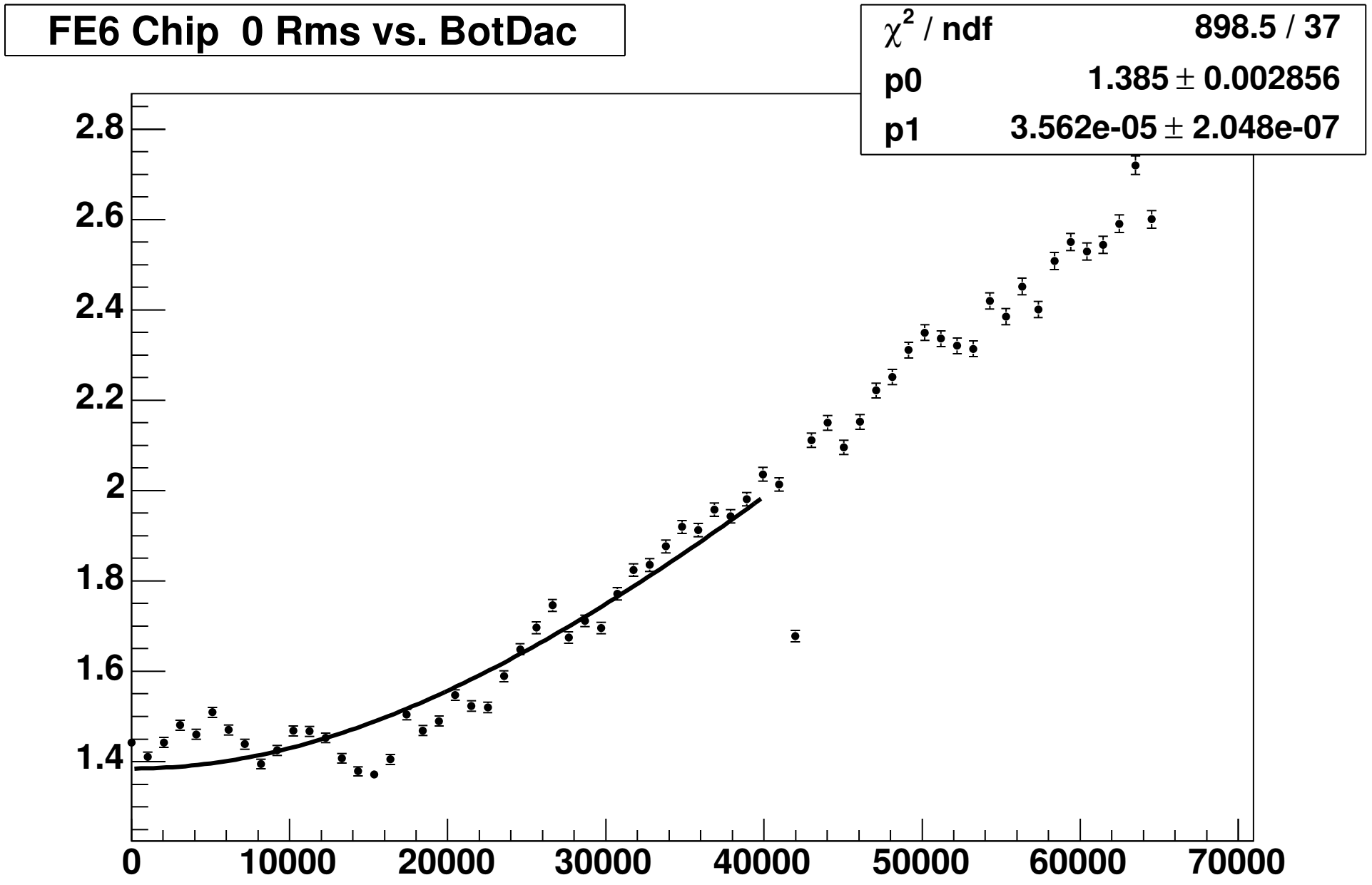

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 8.022e+04 / 37
p0 7.223 ± 0.005201
p1 0.4509 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 898.5 / 37
p0 1.385 ± 0.002856
p1 3.562e-05 ± 2.048e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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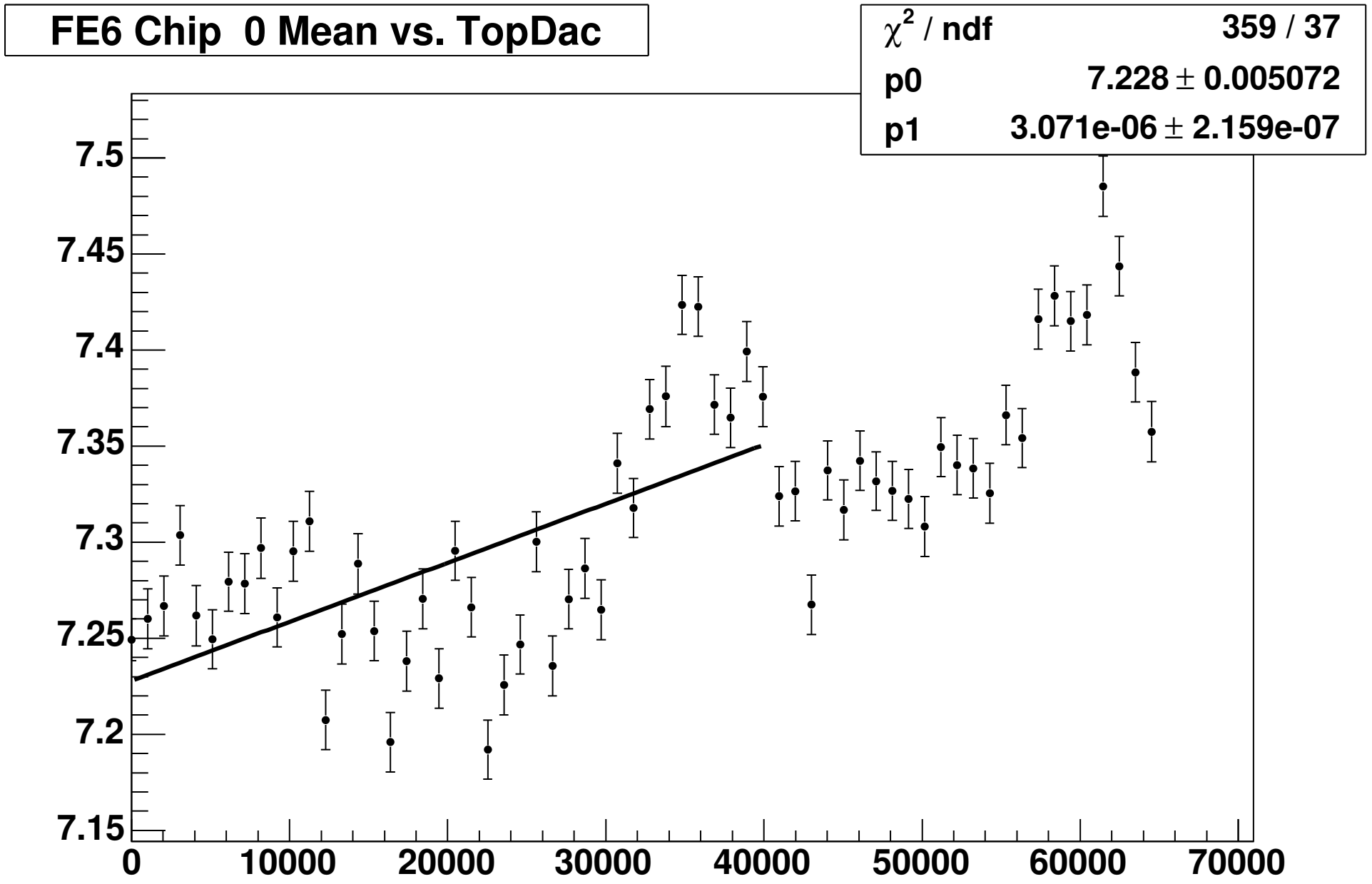
FE6 Chip 0 Mean vs. TopDac
χ² / ndf 359 / 37
p0 7.228 ± 0.005072
p1 3.071e-06 ± 2.159e-07
7.5
7.45
7.4
7.35
7.3
7.25
7.2
7.15
0
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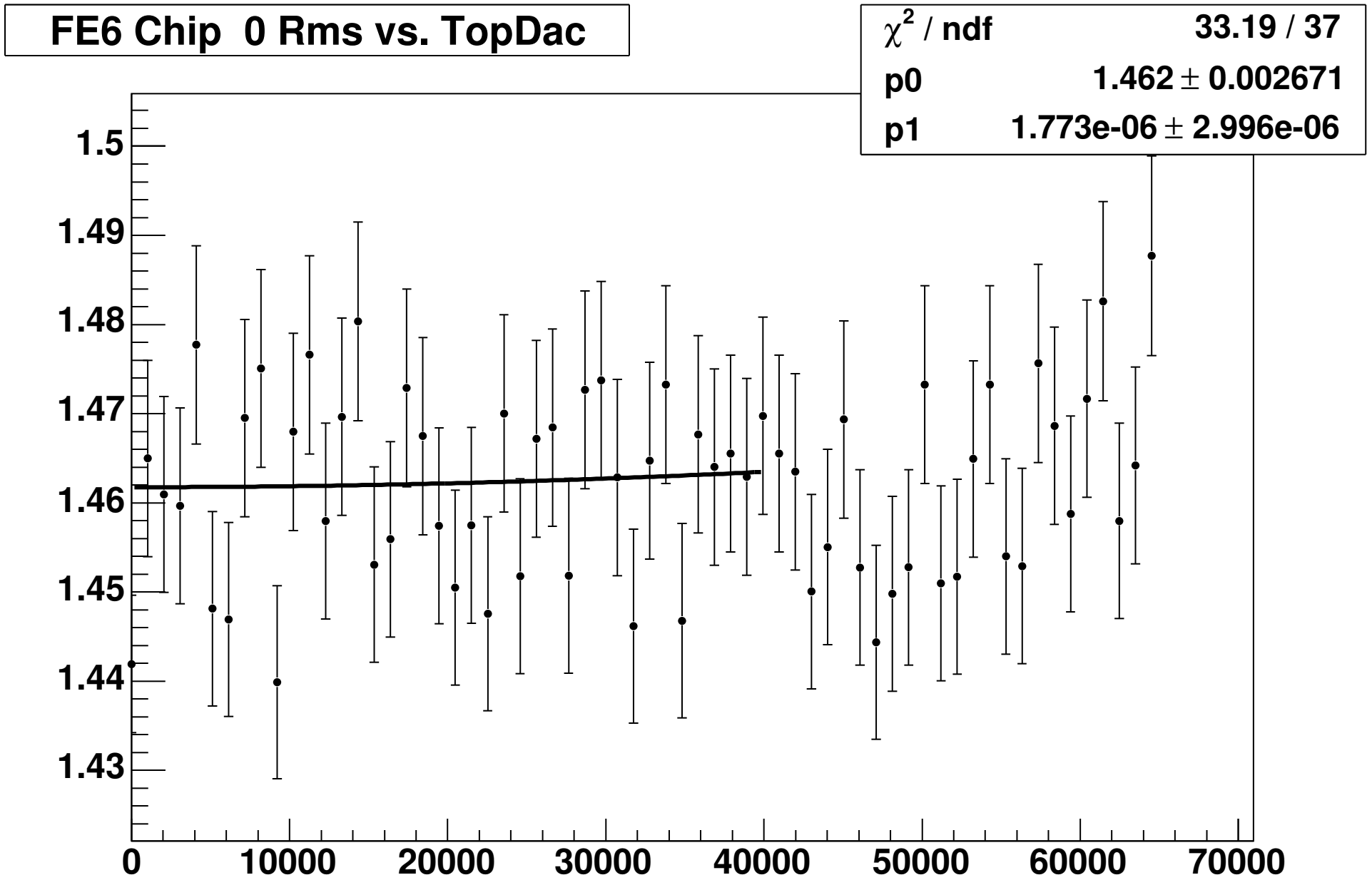
FE6 Chip 0 Rms vs. TopDac
χ² / ndf 33.19 / 37
p0 1.462 ± 0.002671
p1 1.773e-06 ± 2.996e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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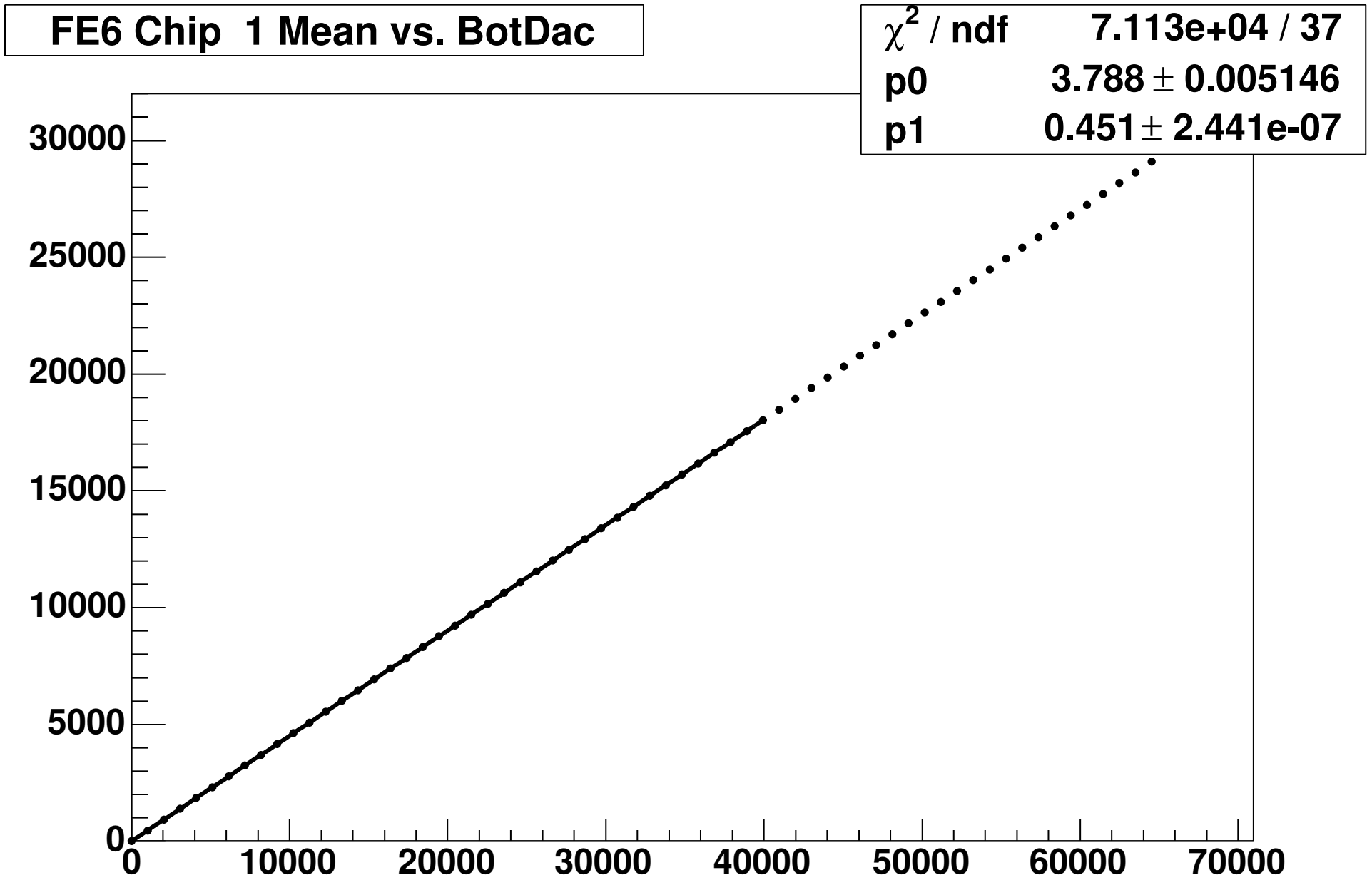
FE6 Chip 1 Mean vs. BotDac
χ² / ndf 7.113e+04 / 37
p0 3.788 ± 0.005146
p1 0.451 ± 2.441e-07
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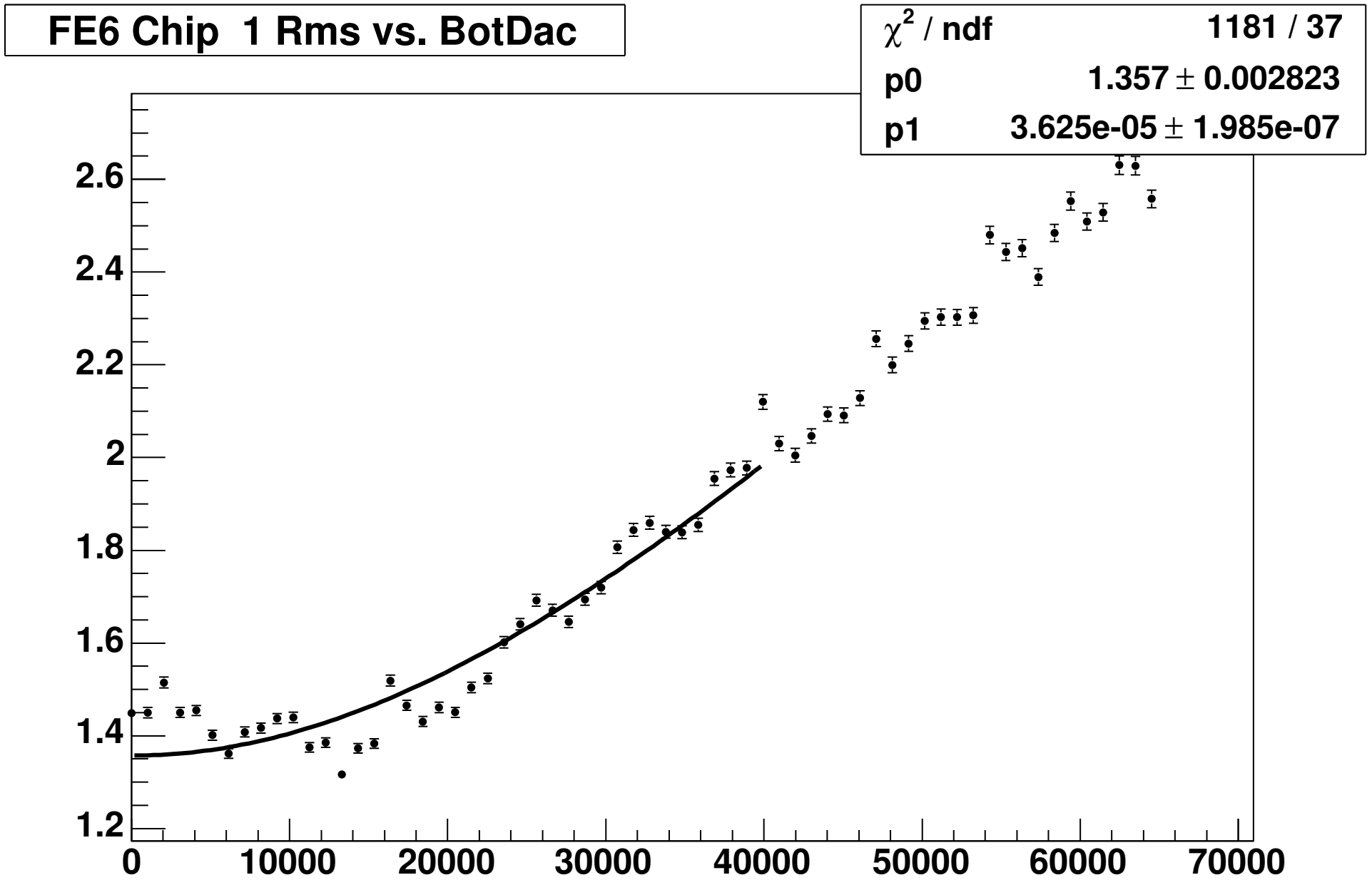
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1181 / 37
p0 1.357 ± 0.002823
p1 3.625e-05 ± 1.985e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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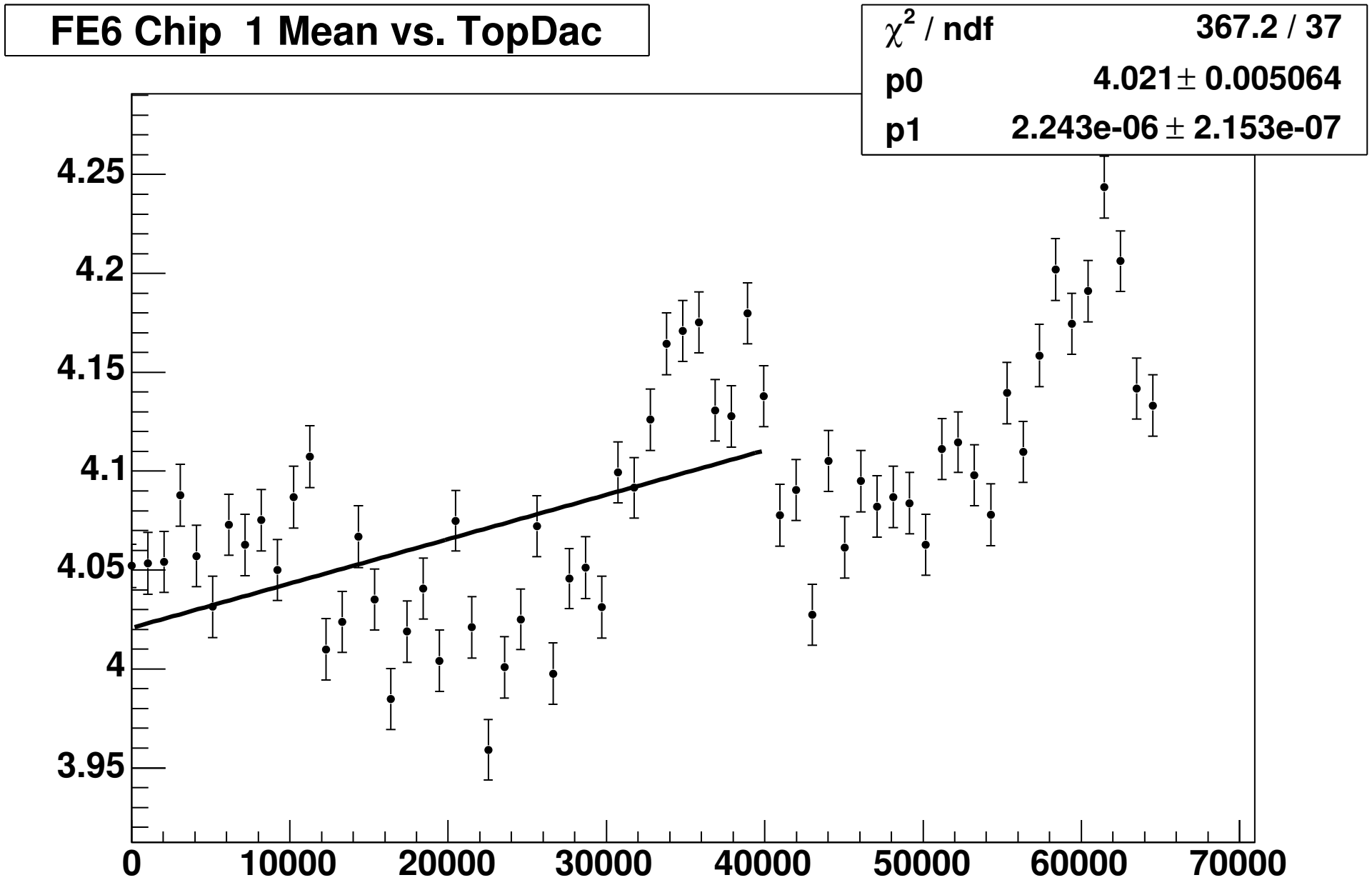
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 367.2 / 37
p0 4.021 ± 0.005064
p1 2.243e-06 ± 2.153e-07
4.25
4.2
4.15
4.1
4.05
4
3.95
0
10000
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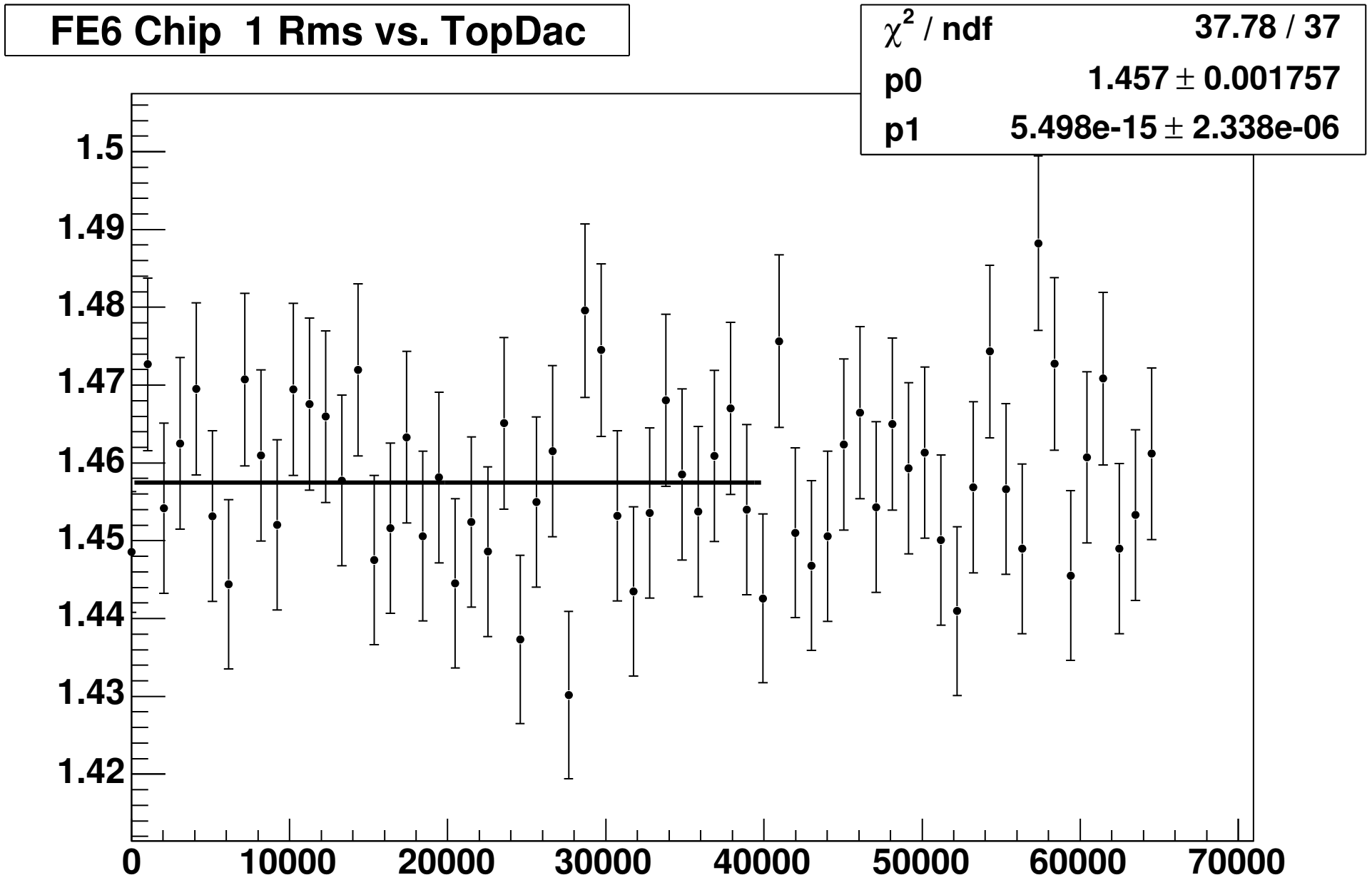
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 37.78 / 37
p0 1.457 ± 0.001757
p1 5.498e-15 ± 2.338e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
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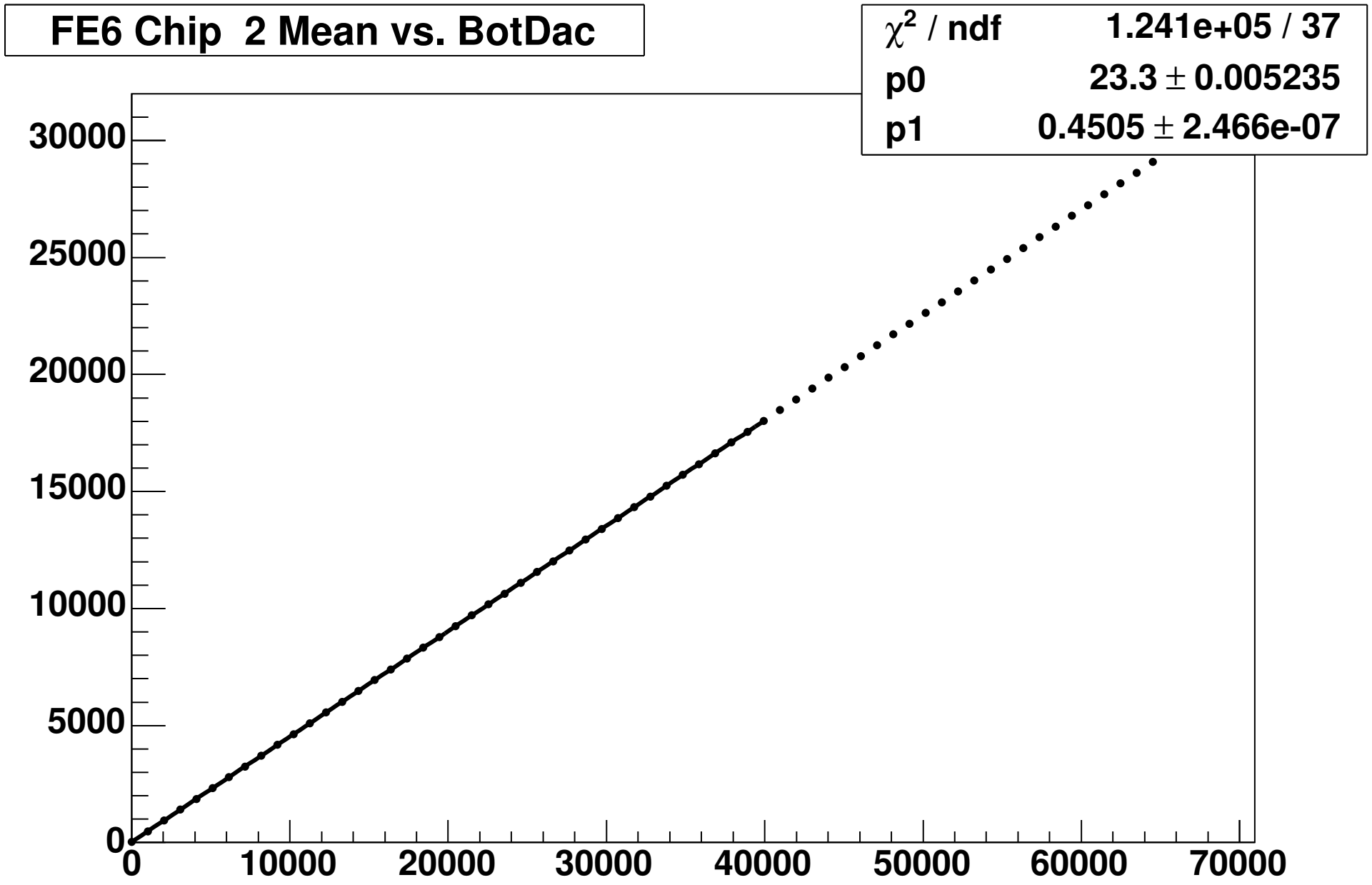
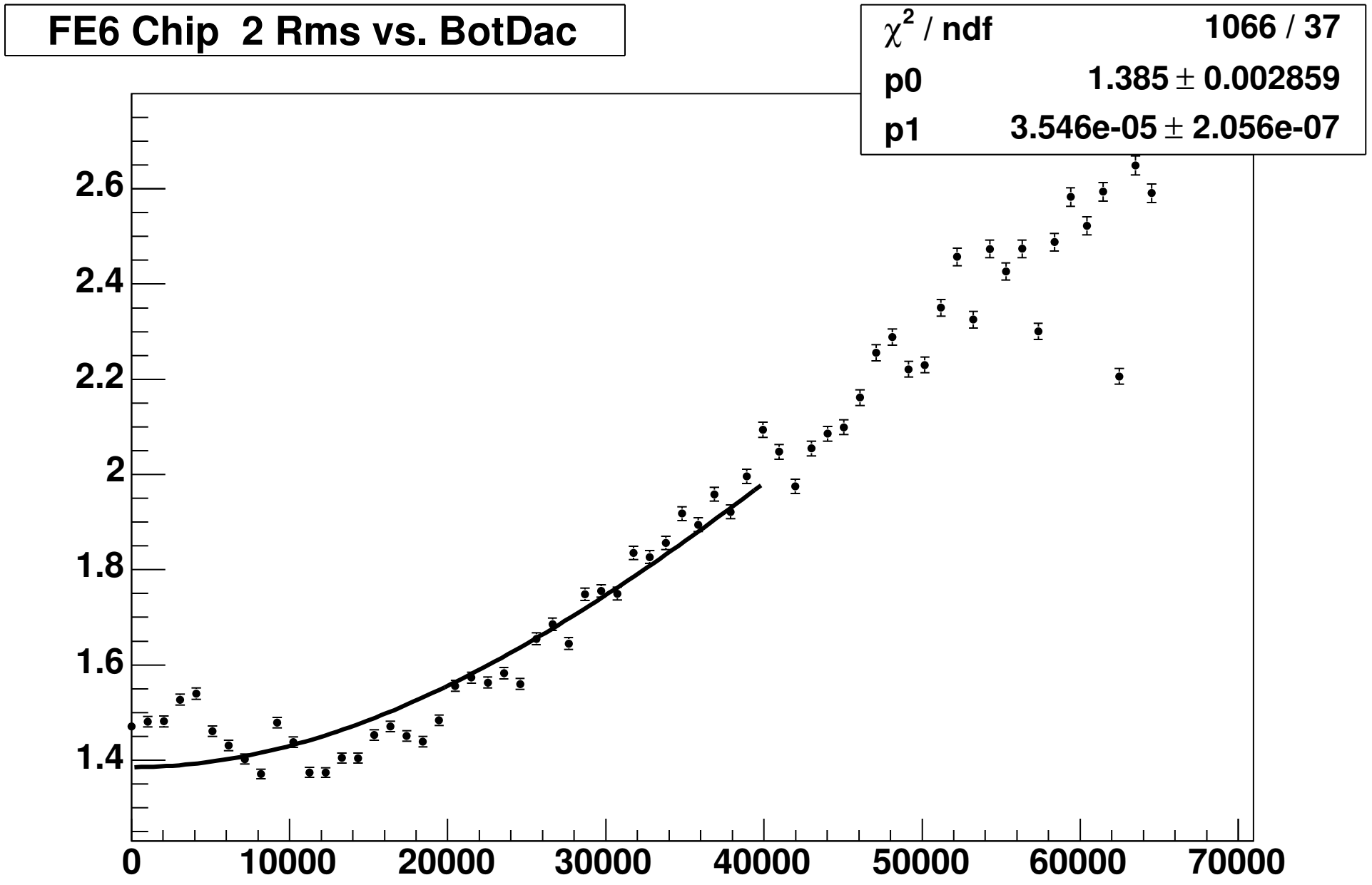

FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.241e+05 / 37
p0 23.3 ± 0.005235
p1 0.4505 ± 2.466e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1066 / 37
p0 1.385 ± 0.002859
p1 3.546e-05 ± 2.056e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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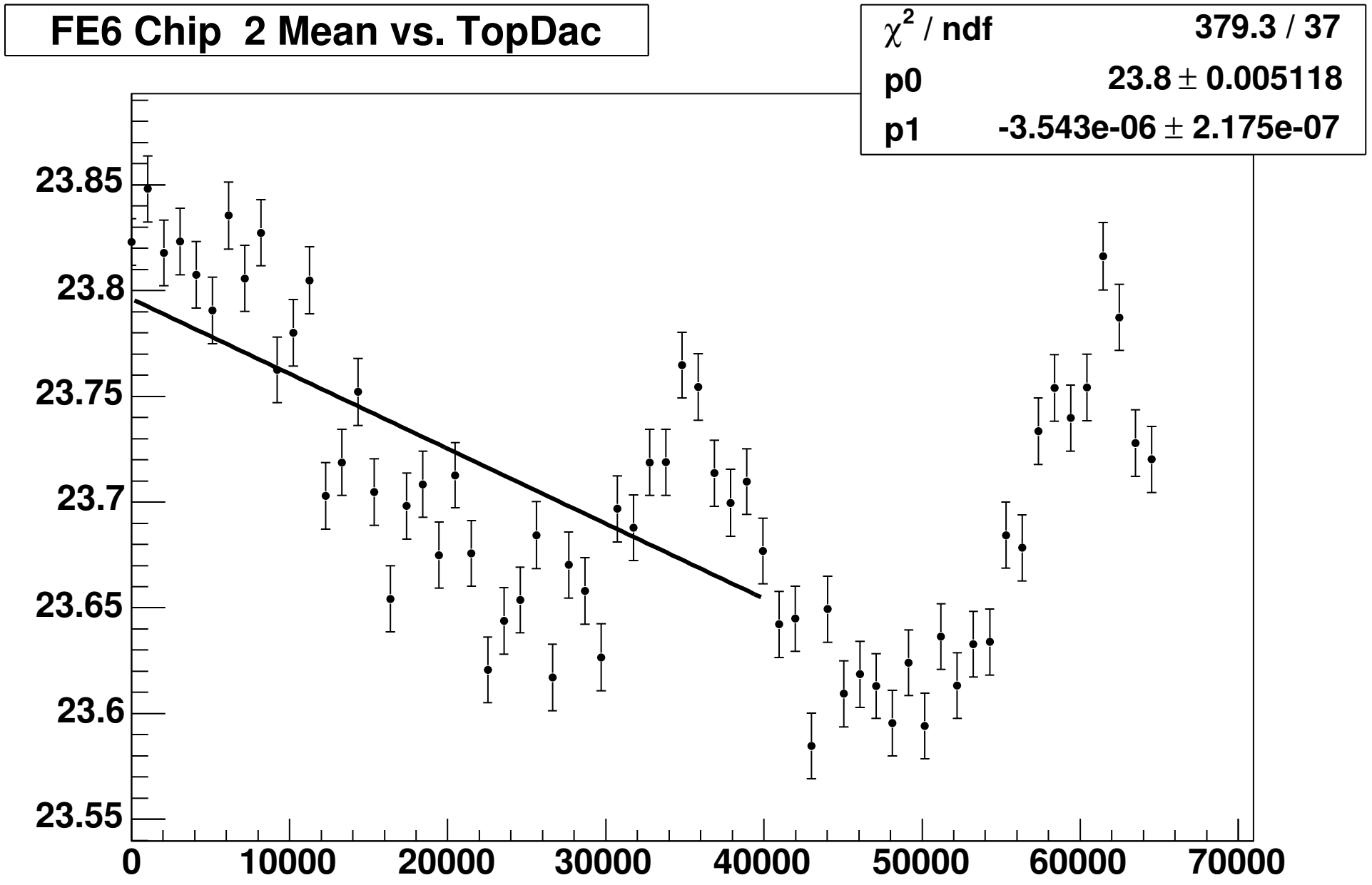
40000
50000
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 379.3 / 37
p0 23.8 ± 0.005118
p1 -3.543e-06 ± 2.175e-07
23.85
23.8
23.75
23.7
23.65
23.6
23.55
0
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60000
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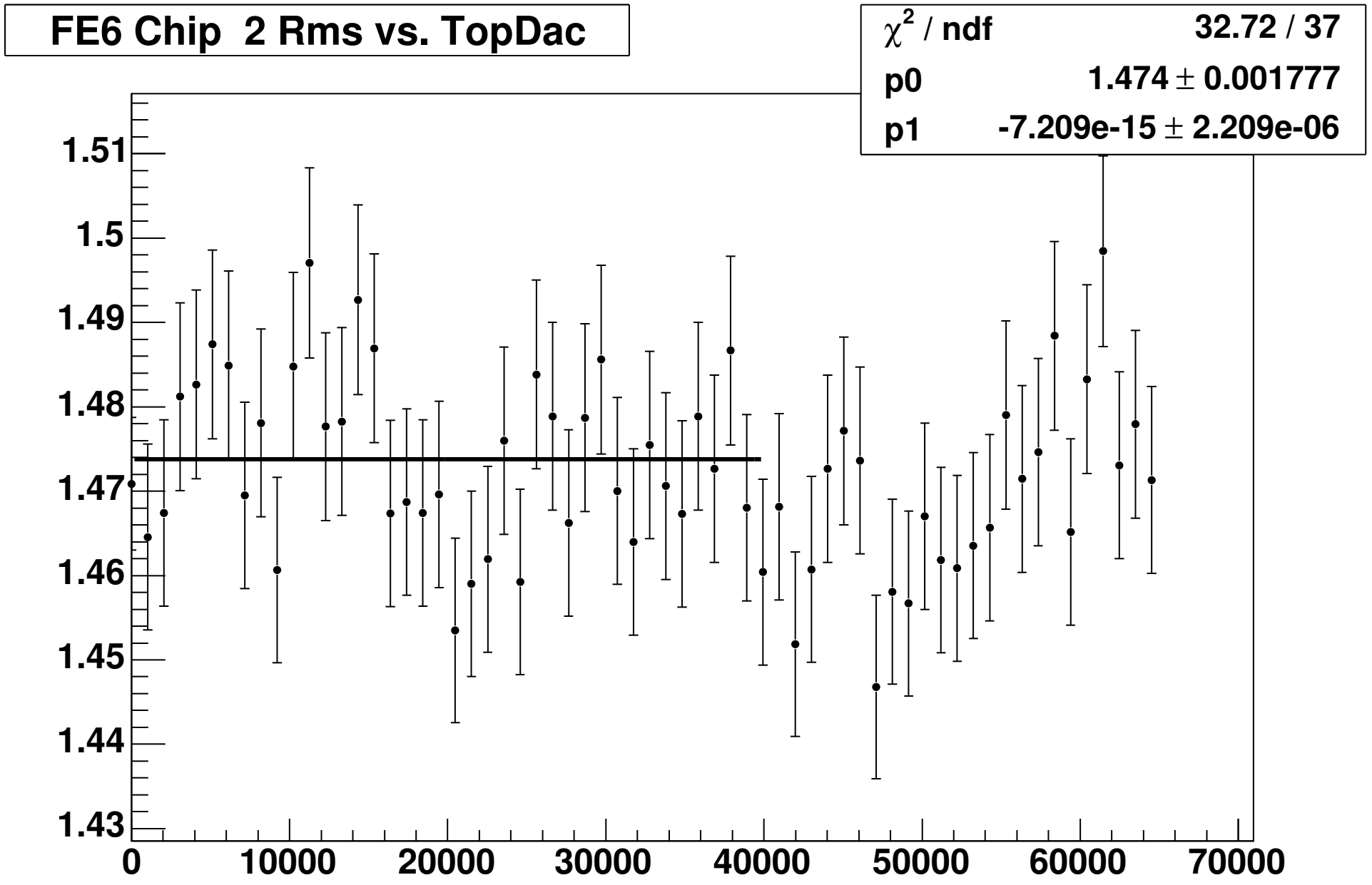
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 32.72 / 37
p0 1.474 ± 0.001777
p1 -7.209e-15 ± 2.209e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
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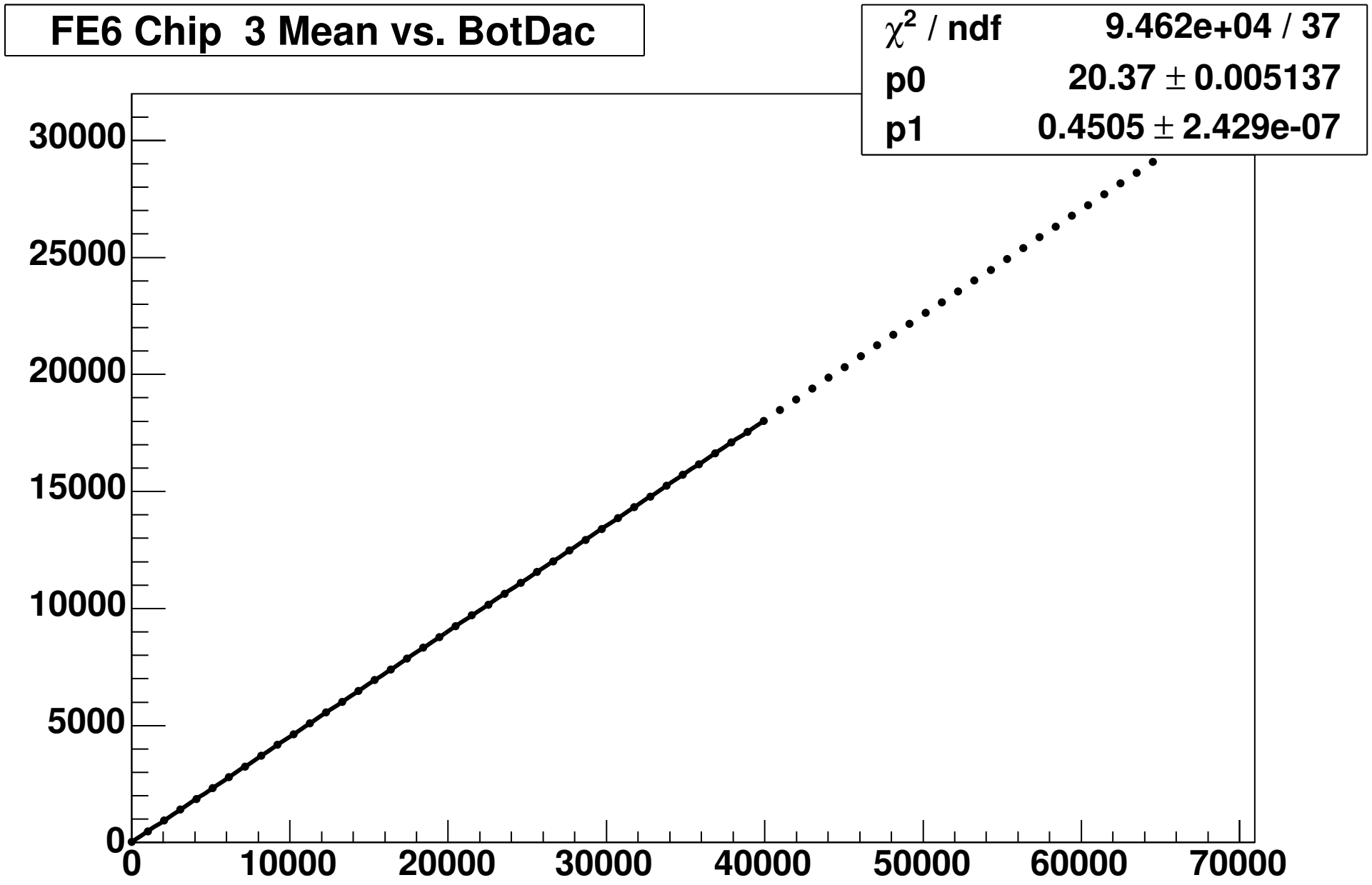
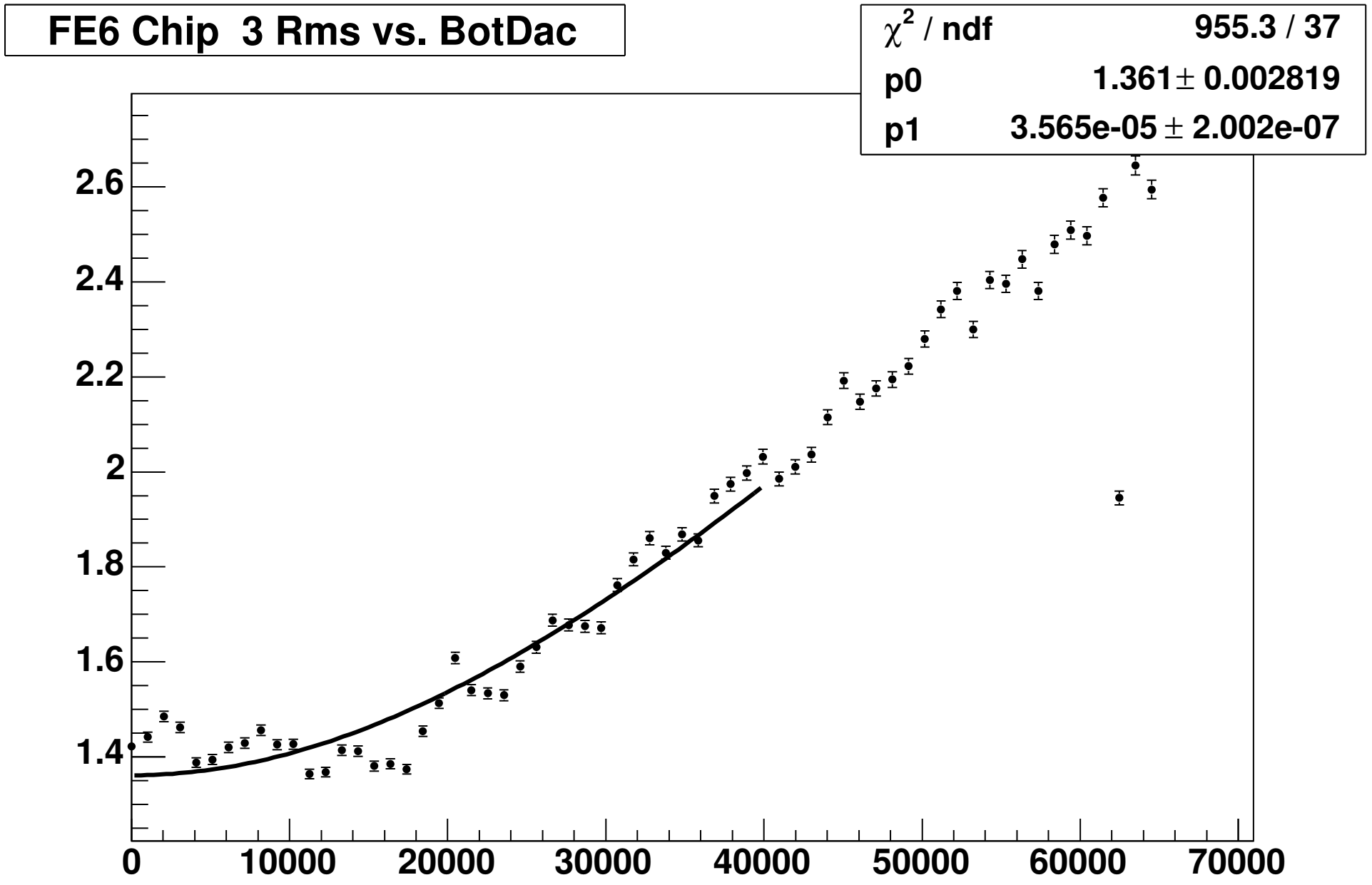

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 9.462e+04 / 37
p0 20.37 ± 0.005137
p1 0.4505 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 955.3 / 37
p0 1.361 ± 0.002819
p1 3.565e-05 ± 2.002e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
50000
60000
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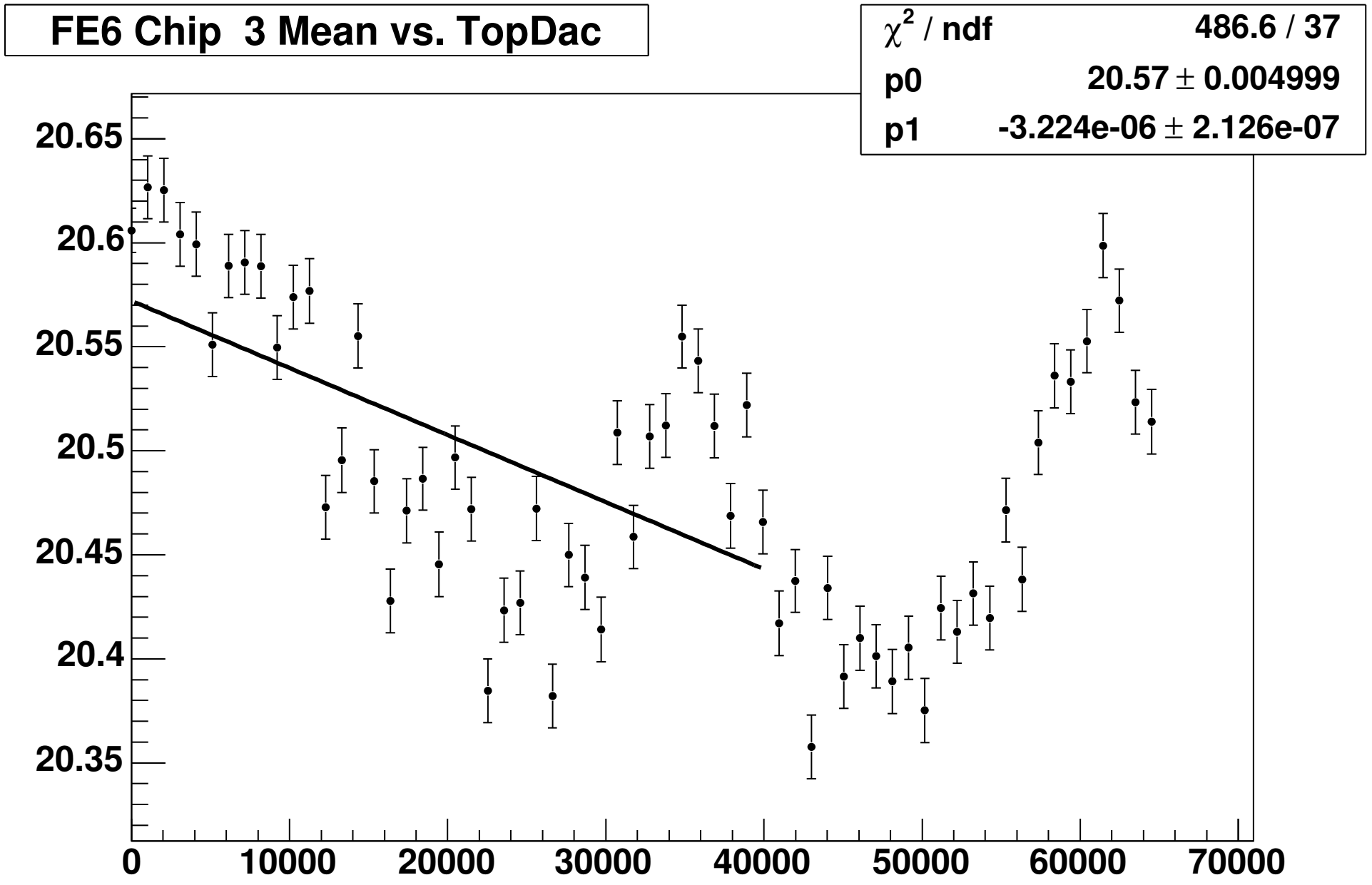
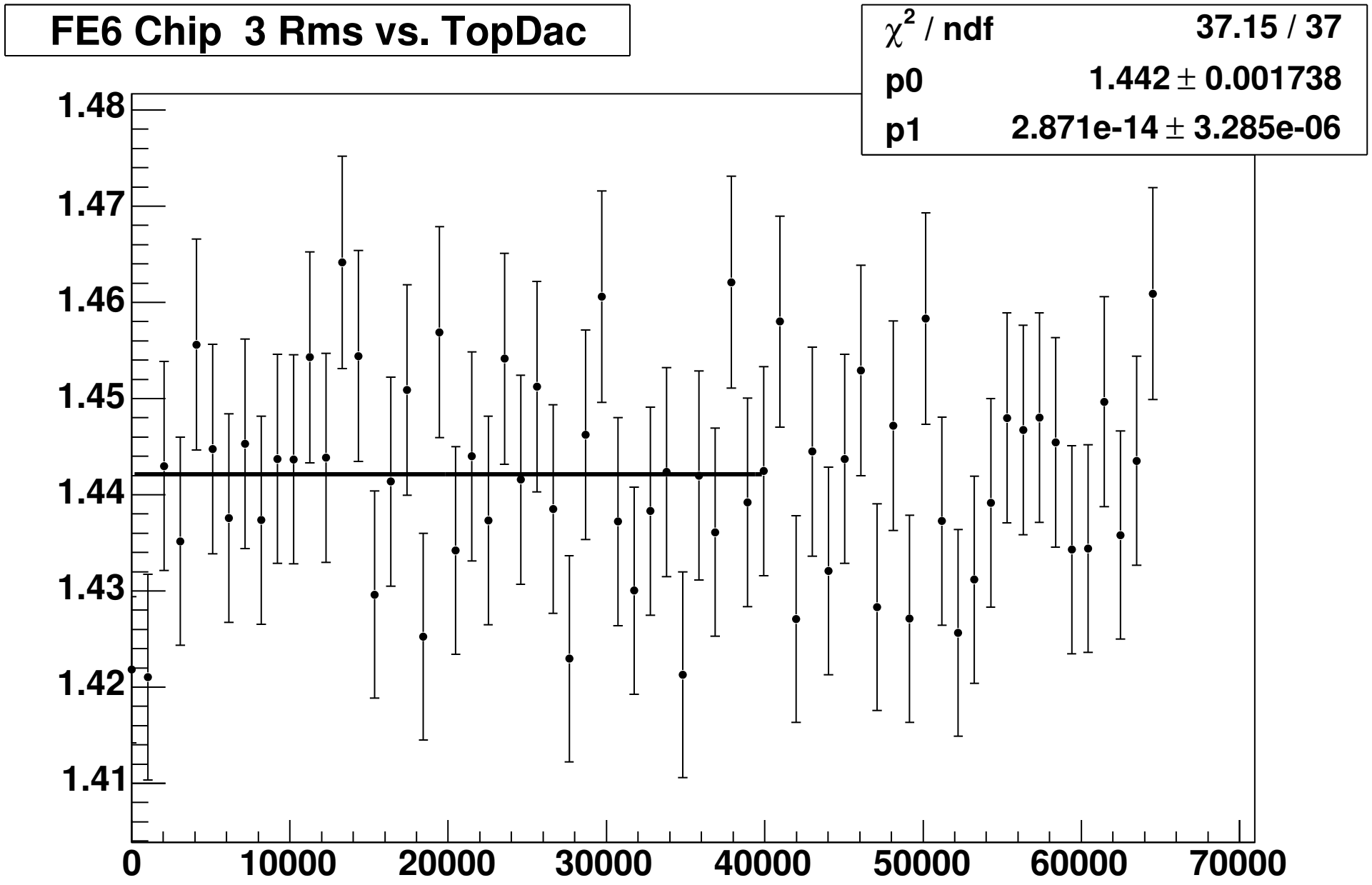
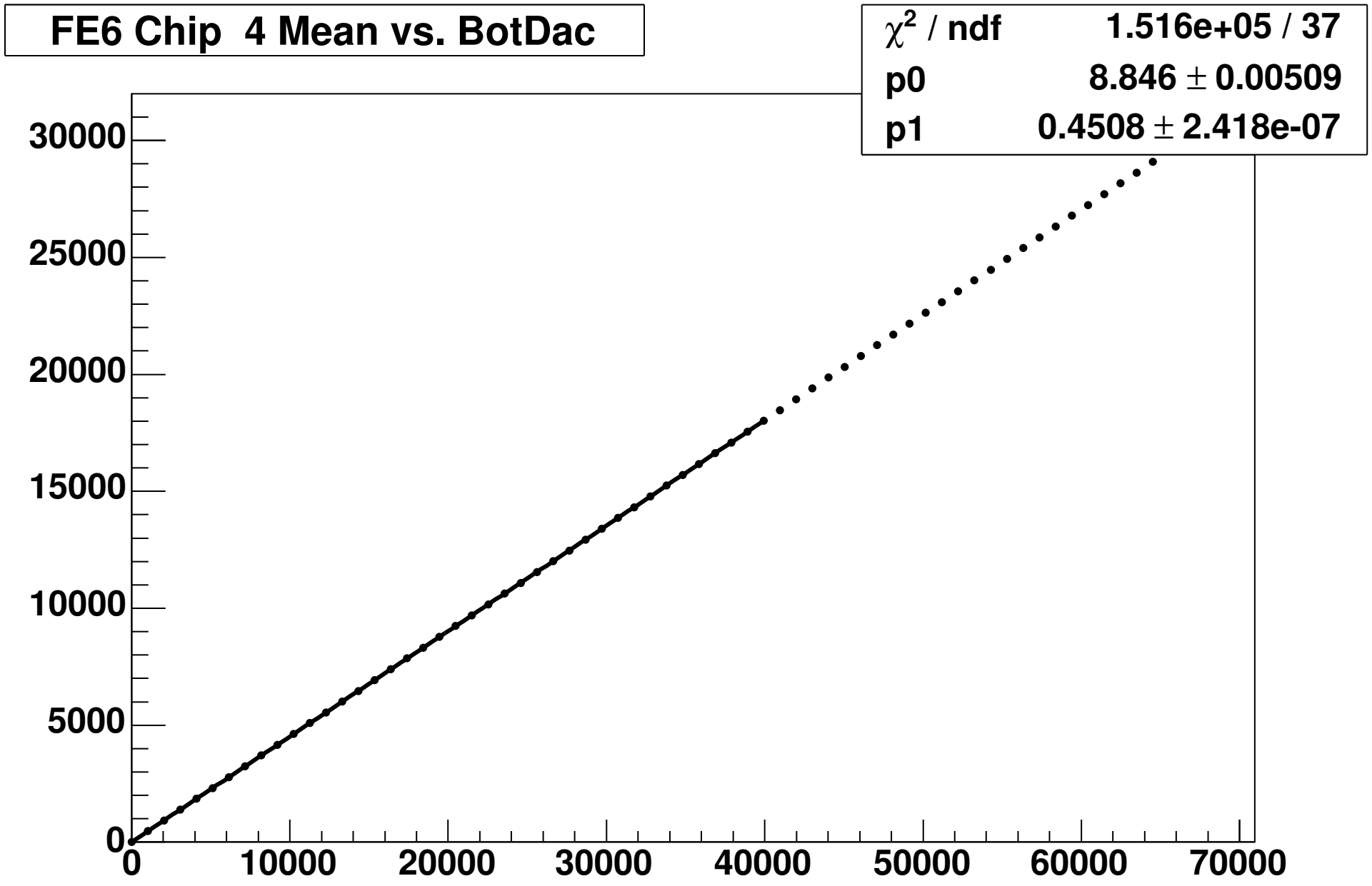
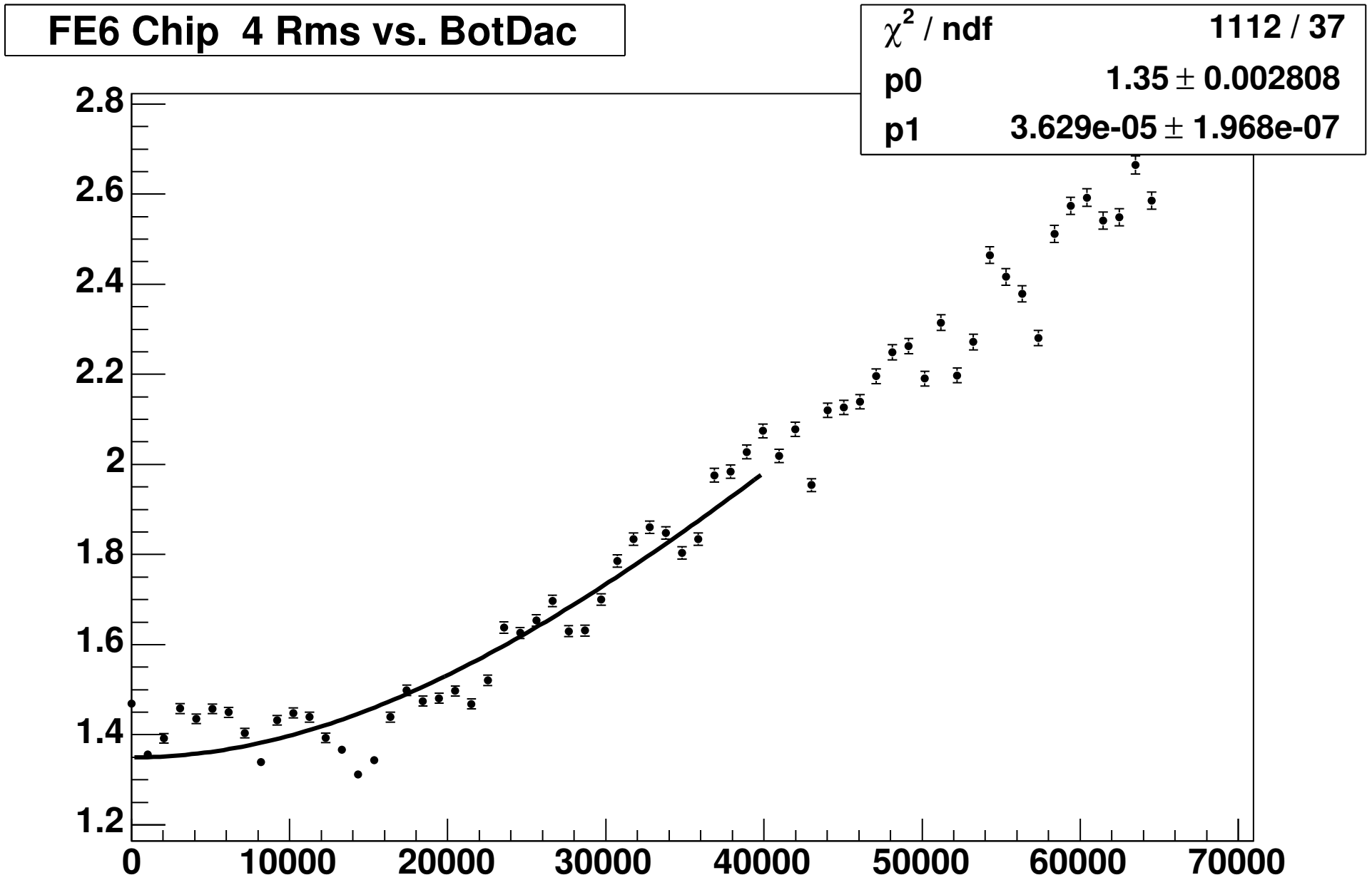
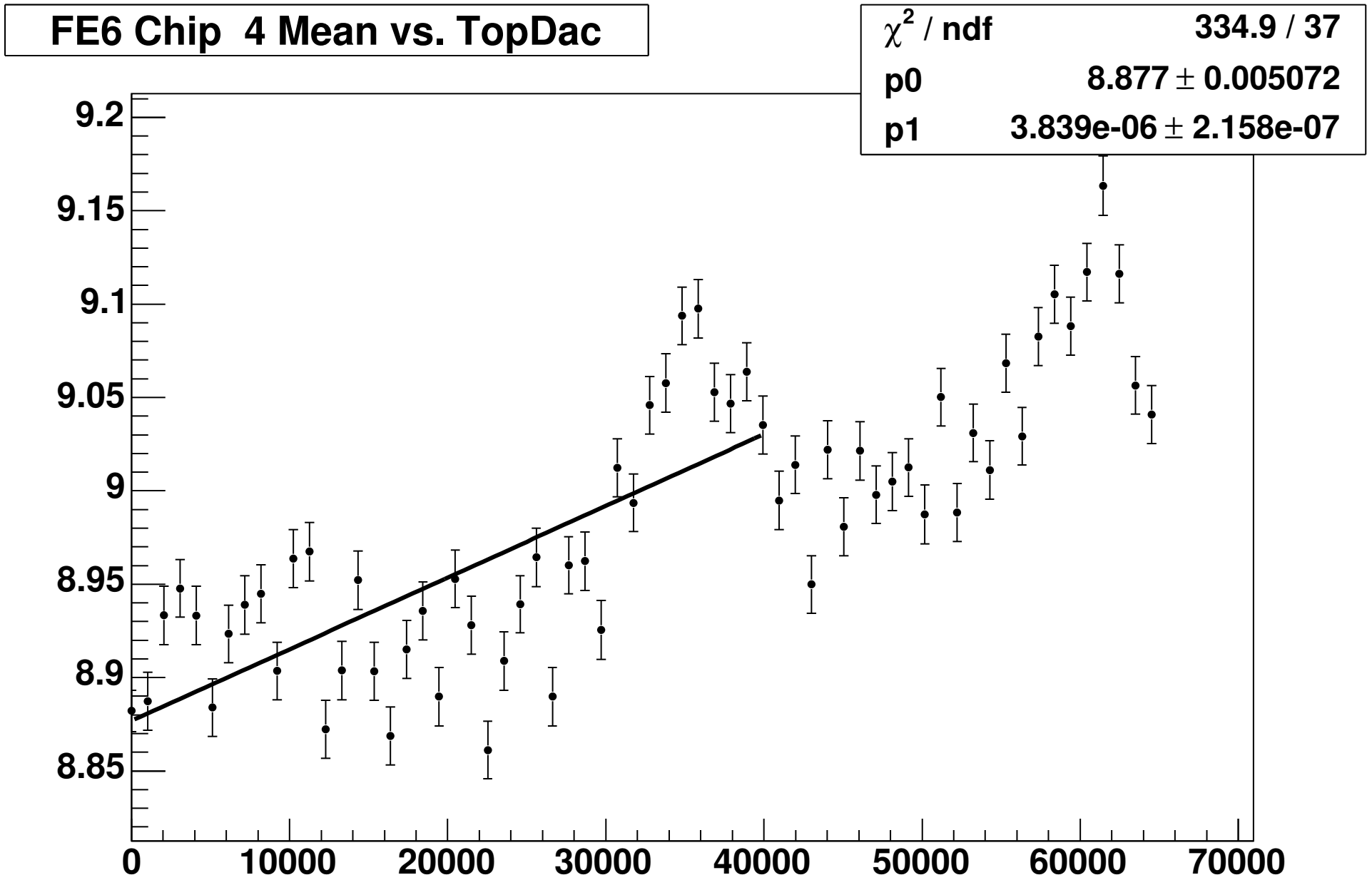
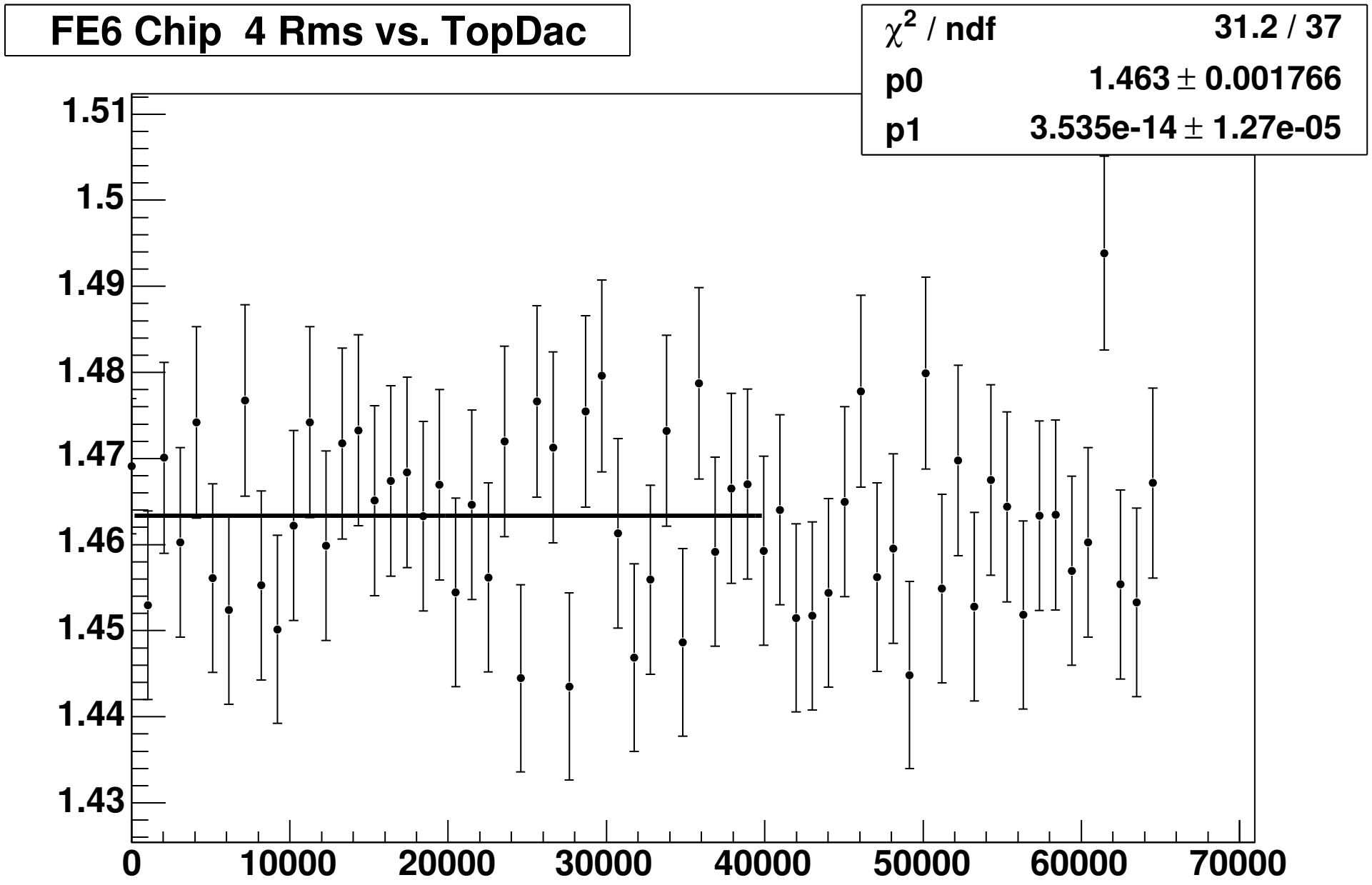

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 486.6 / 37
p0 20.57 ± 0.004999
p1 -3.224e-06 ± 2.126e-07
20.65
20.6
20.55
20.5
20.45
20.4
20.35
0
10000
20000
30000
40000
50000
60000
70000

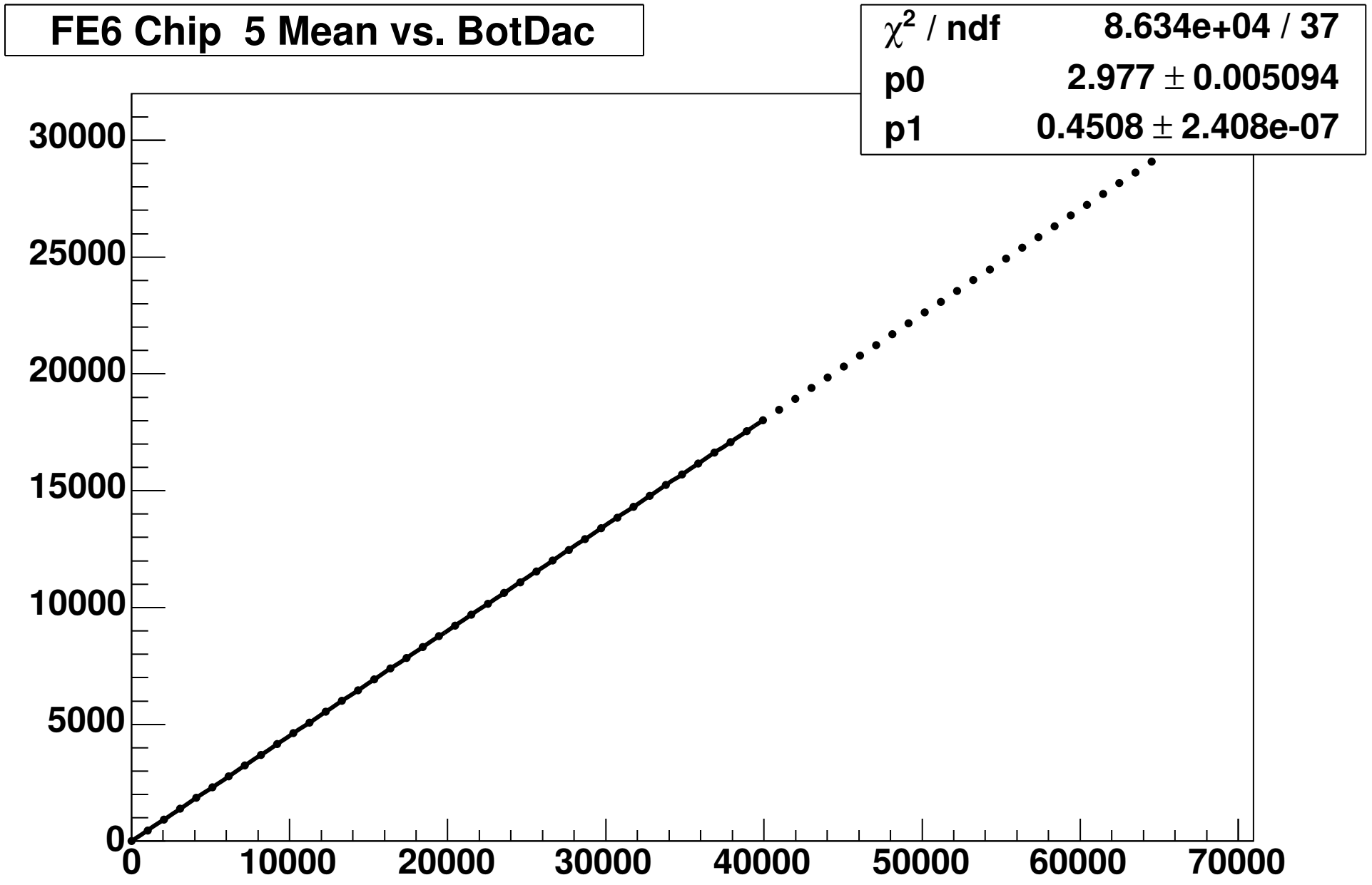

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 37.15 / 37
p0 1.442 ± 0.001738
p1 2.871e-14 ± 3.285e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

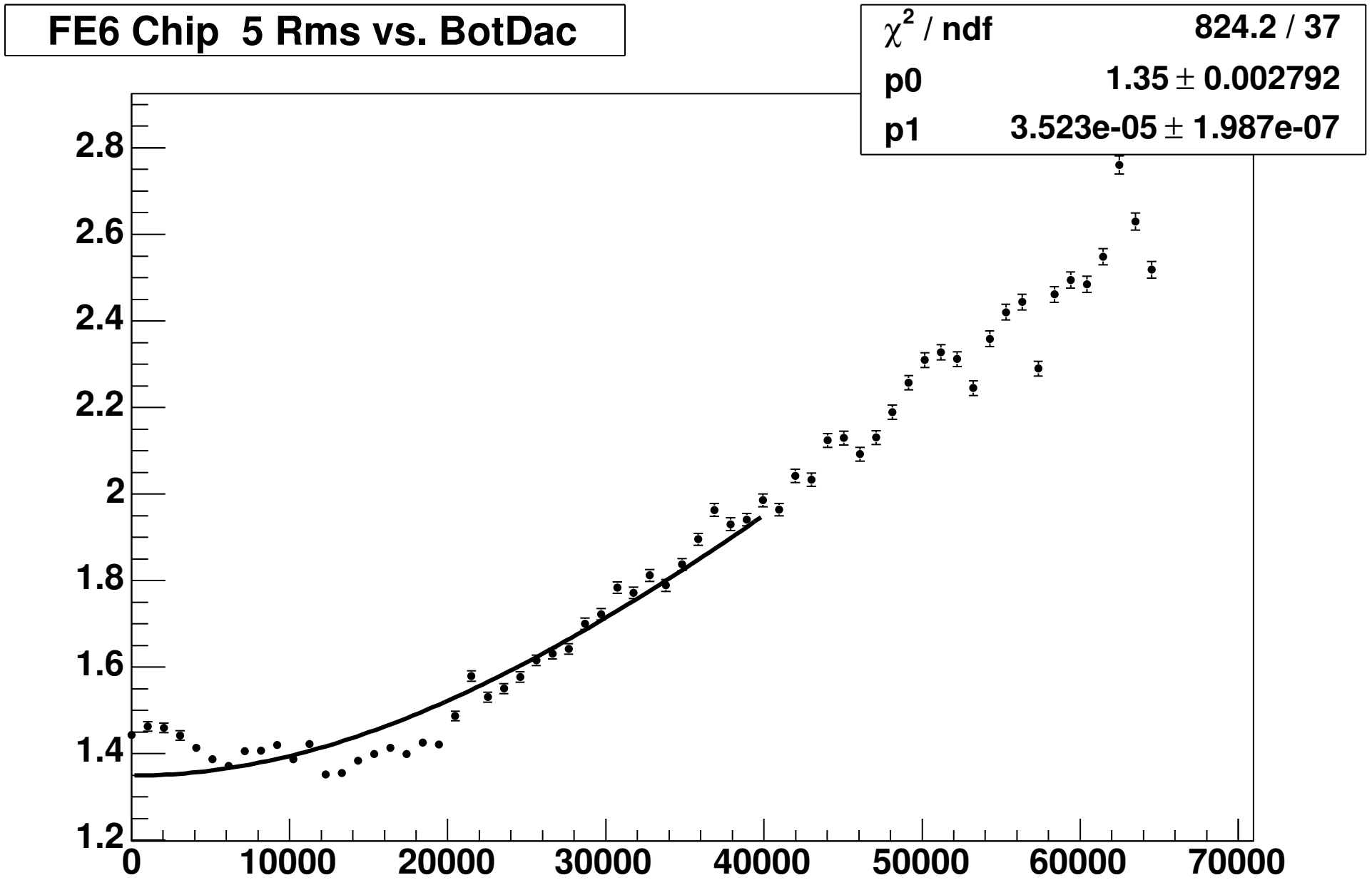

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.516e+05 / 37
p0 8.846 ± 0.00509
p1 0.4508 ± 2.418e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1112 / 37
p0 1.35 ± 0.002808
p1 3.629e-05 ± 1.968e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 334.9 / 37
p0 8.877 ± 0.005072
p1 3.839e-06 ± 2.158e-07
9.2
9.15
9.1
9.05
9
8.95
8.9
8.85
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 31.2 / 37
p0 1.463 ± 0.001766
p1 3.535e-14 ± 1.27e-05
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 8.634e+04 / 37
p0 2.977 ± 0.005094
p1 0.4508 ± 2.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 824.2 / 37
p0 1.35 ± 0.002792
p1 3.523e-05 ± 1.987e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
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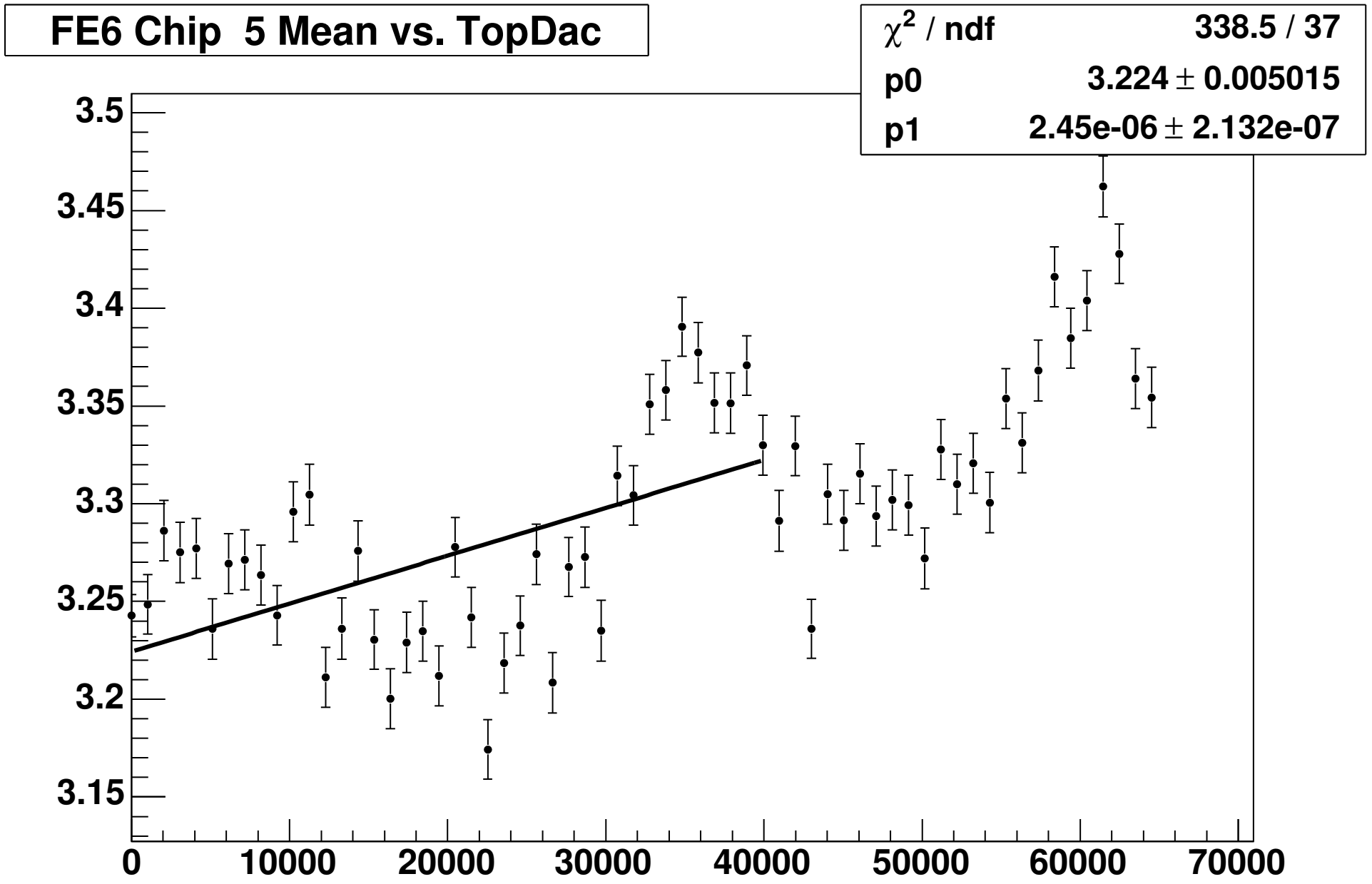
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 338.5 / 37
p0 3.224 ± 0.005015
p1 2.45e-06 ± 2.132e-07
3.5
3.45
3.4
3.35
3.3
3.25
3.2
3.15
0
10000
20000
30000
40000
50000
60000
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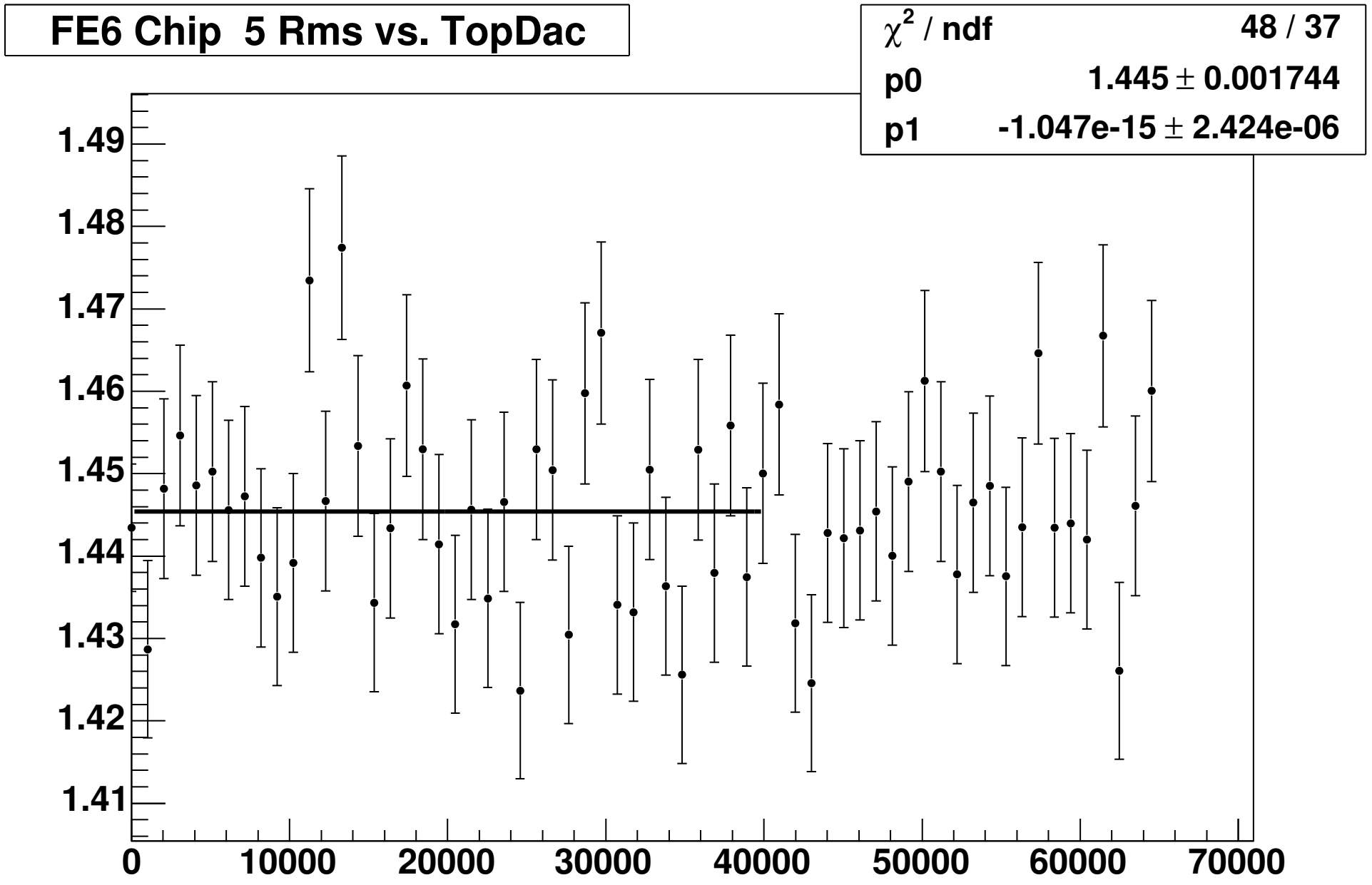
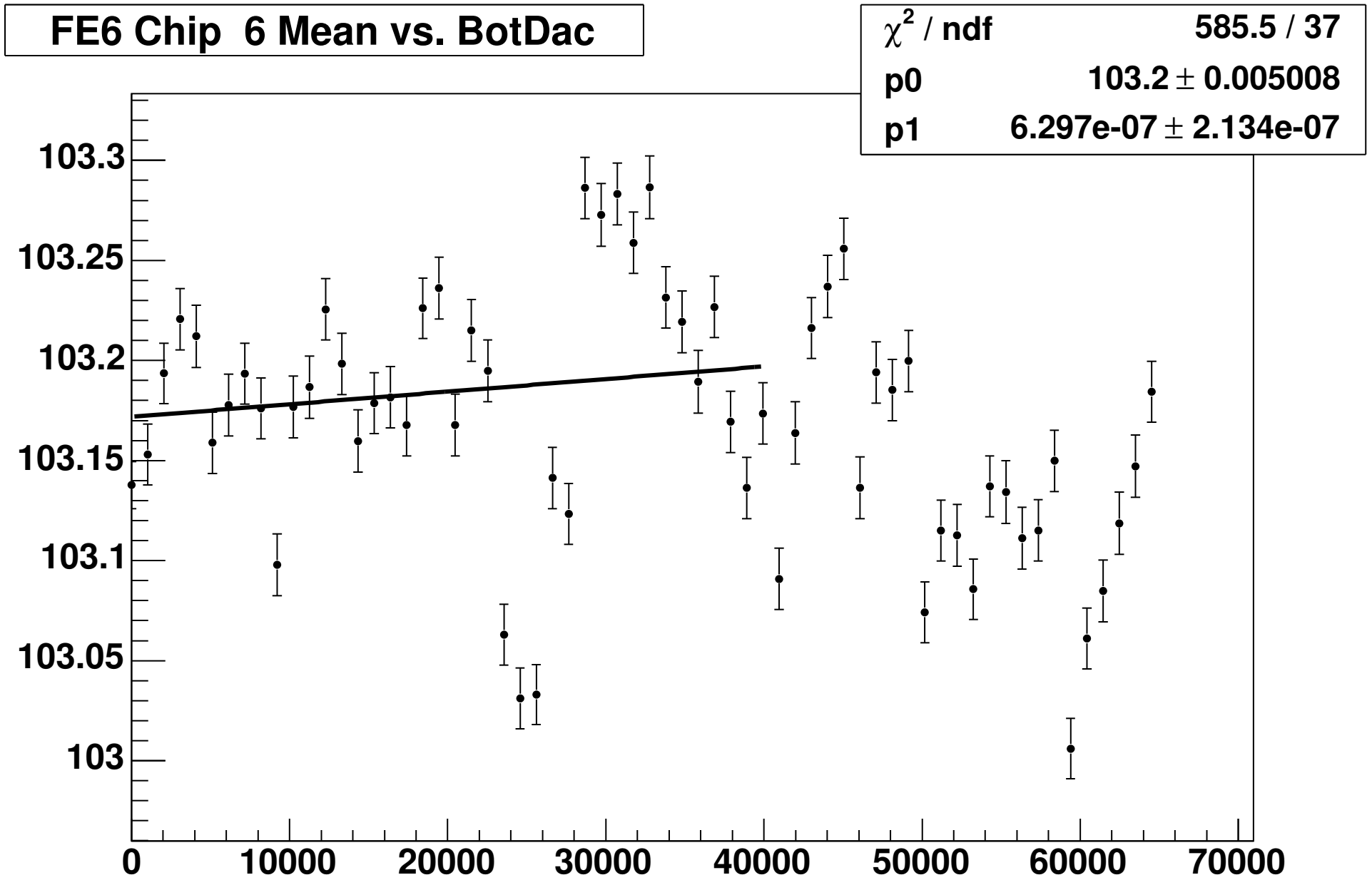
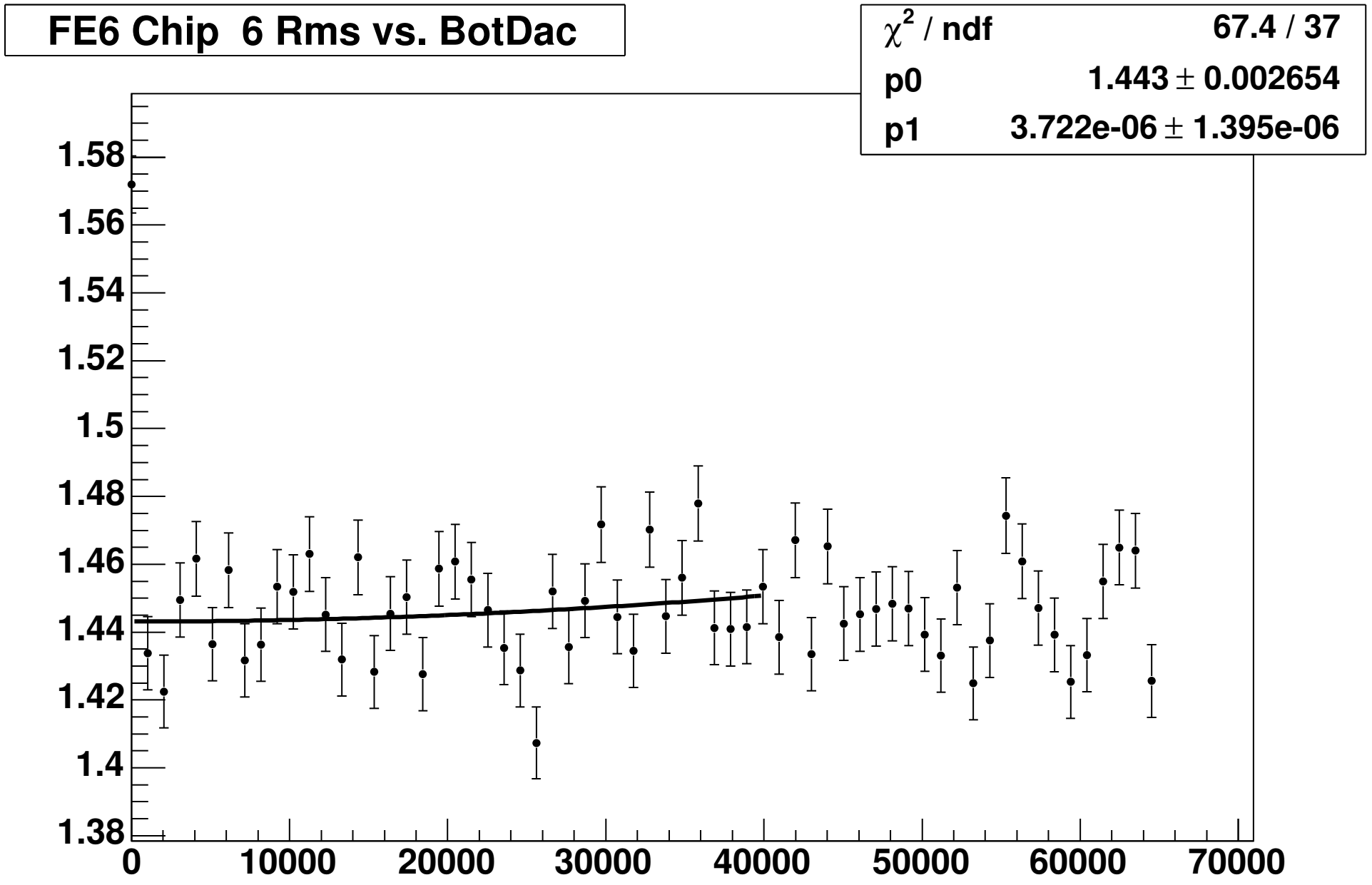
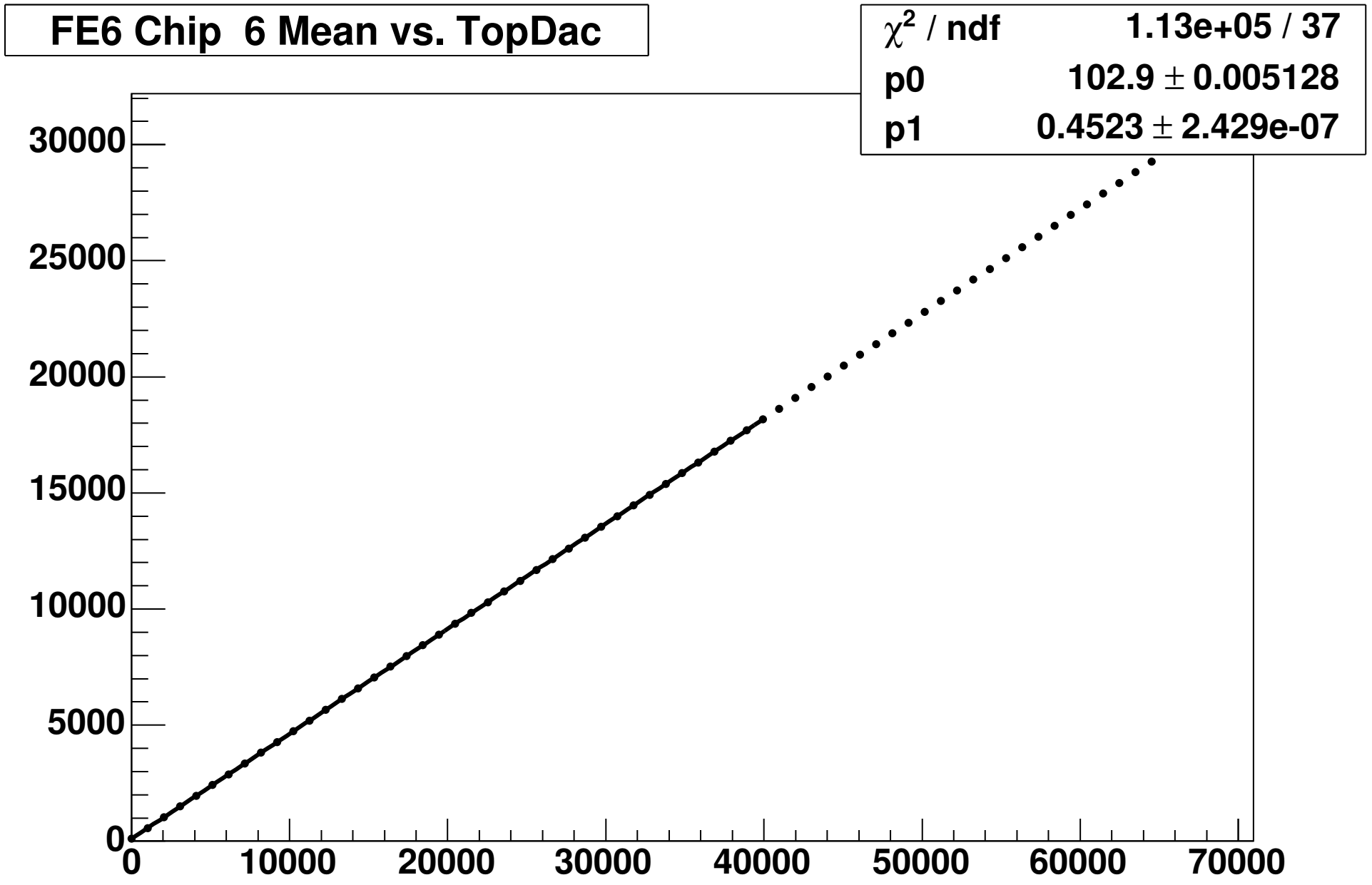
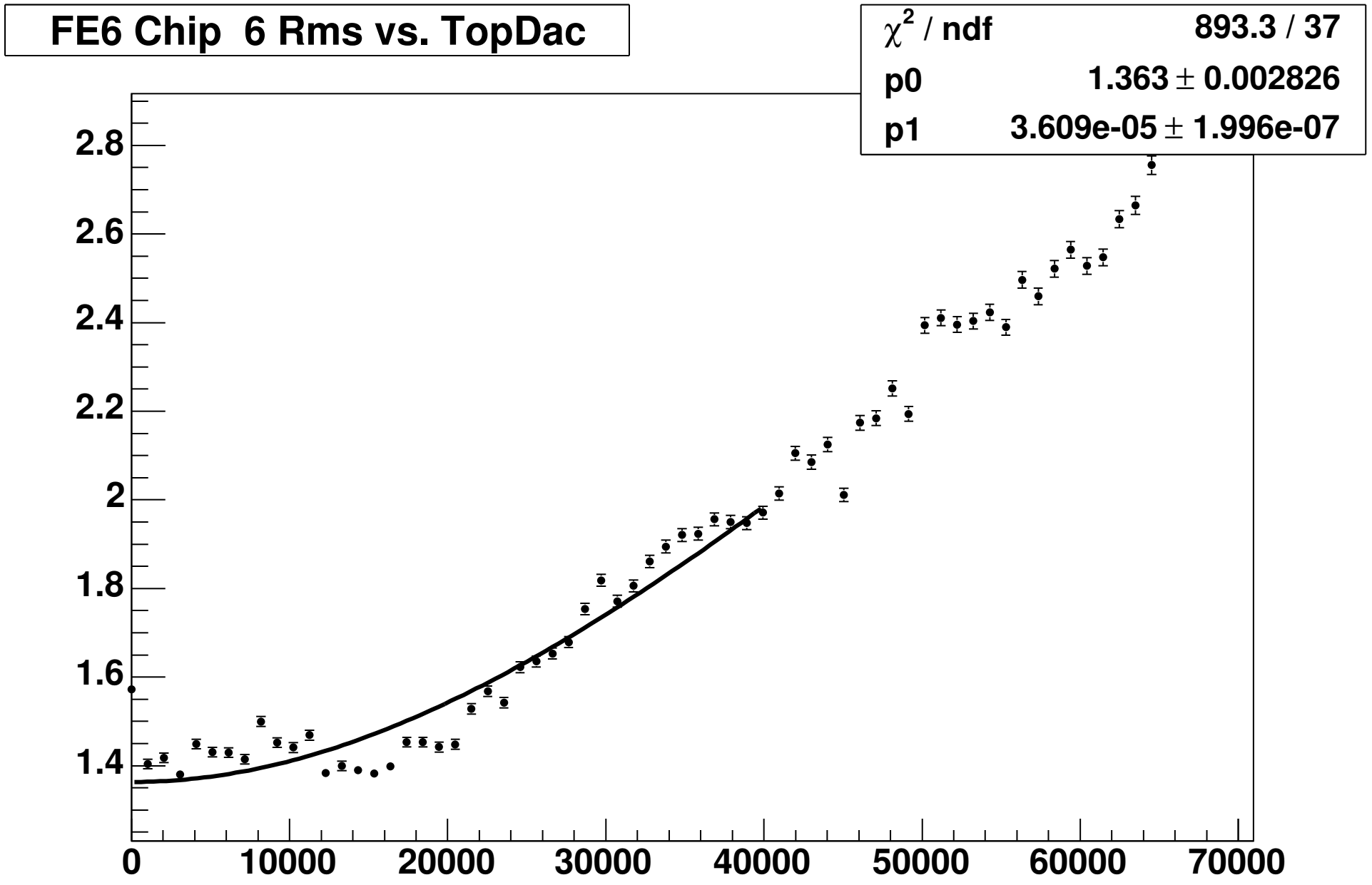
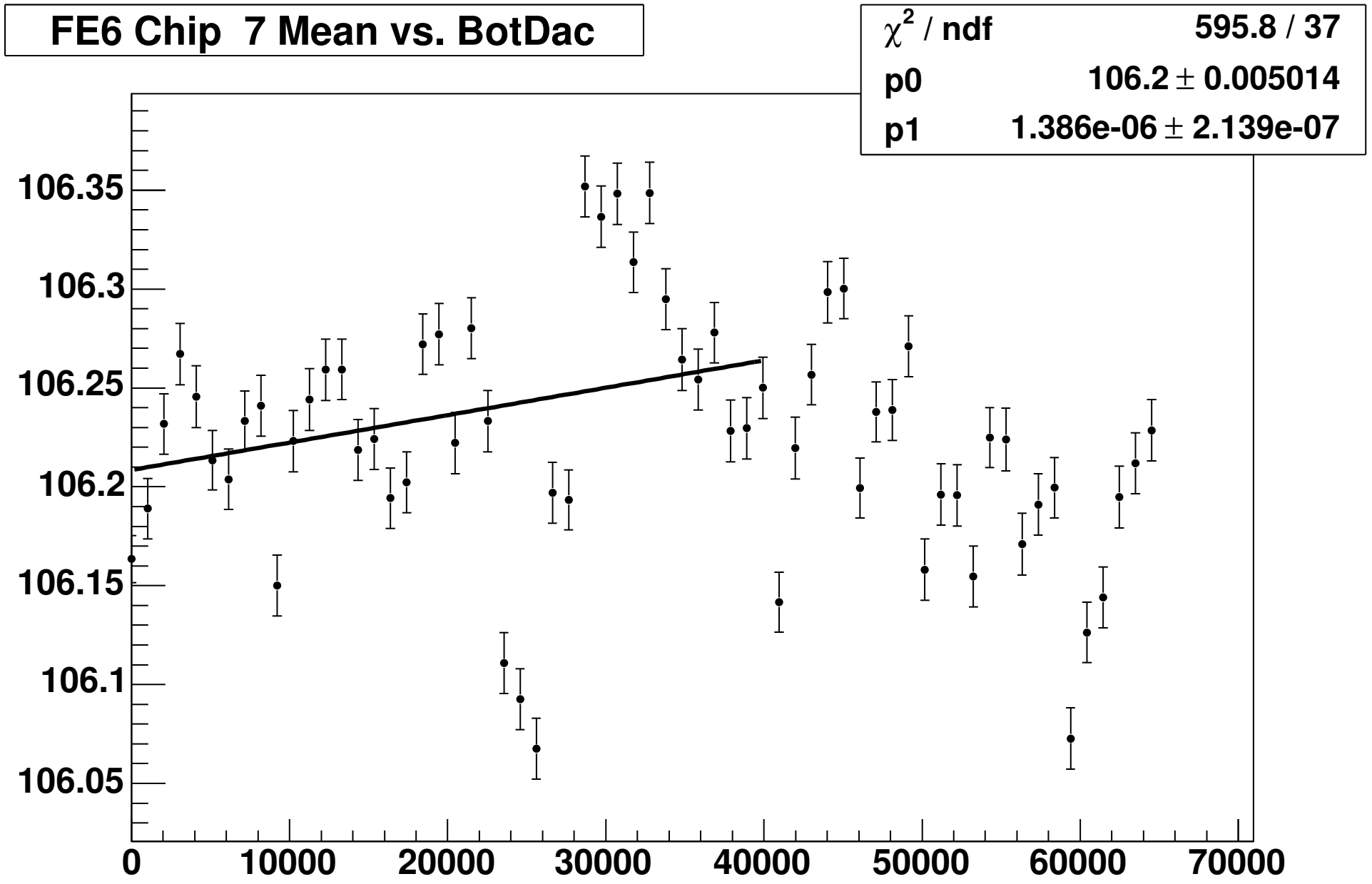

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 48 / 37
p0 1.445 ± 0.001744
p1 -1.047e-15 ± 2.424e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

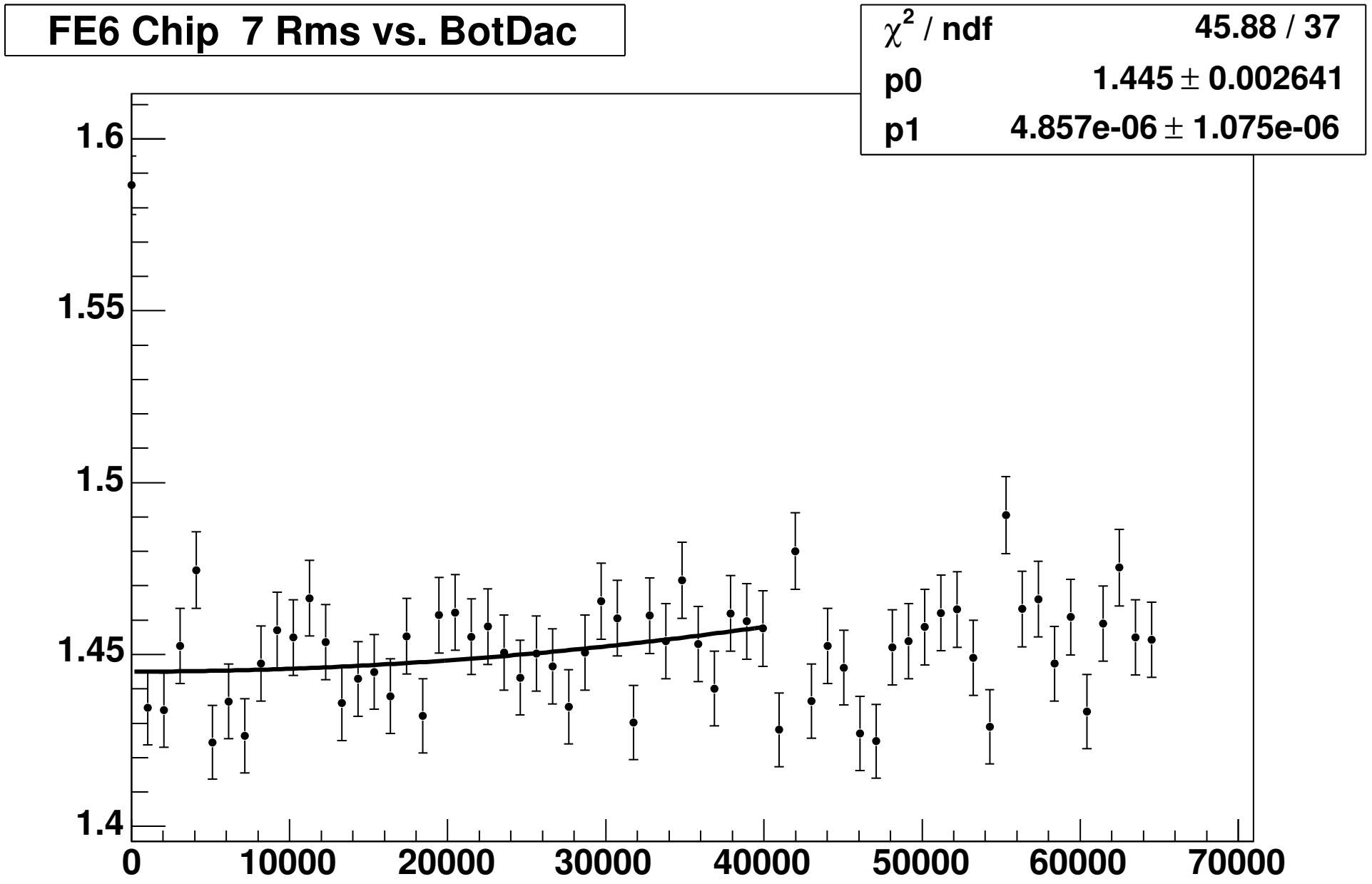

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 585.5 / 37
p0 103.2 ± 0.005008
p1 6.297e-07 ± 2.134e-07
103.3
103.25
103.2
103.15
103.1
103.05
103
0
10000
20000
30000
40000
50000
60000
70000

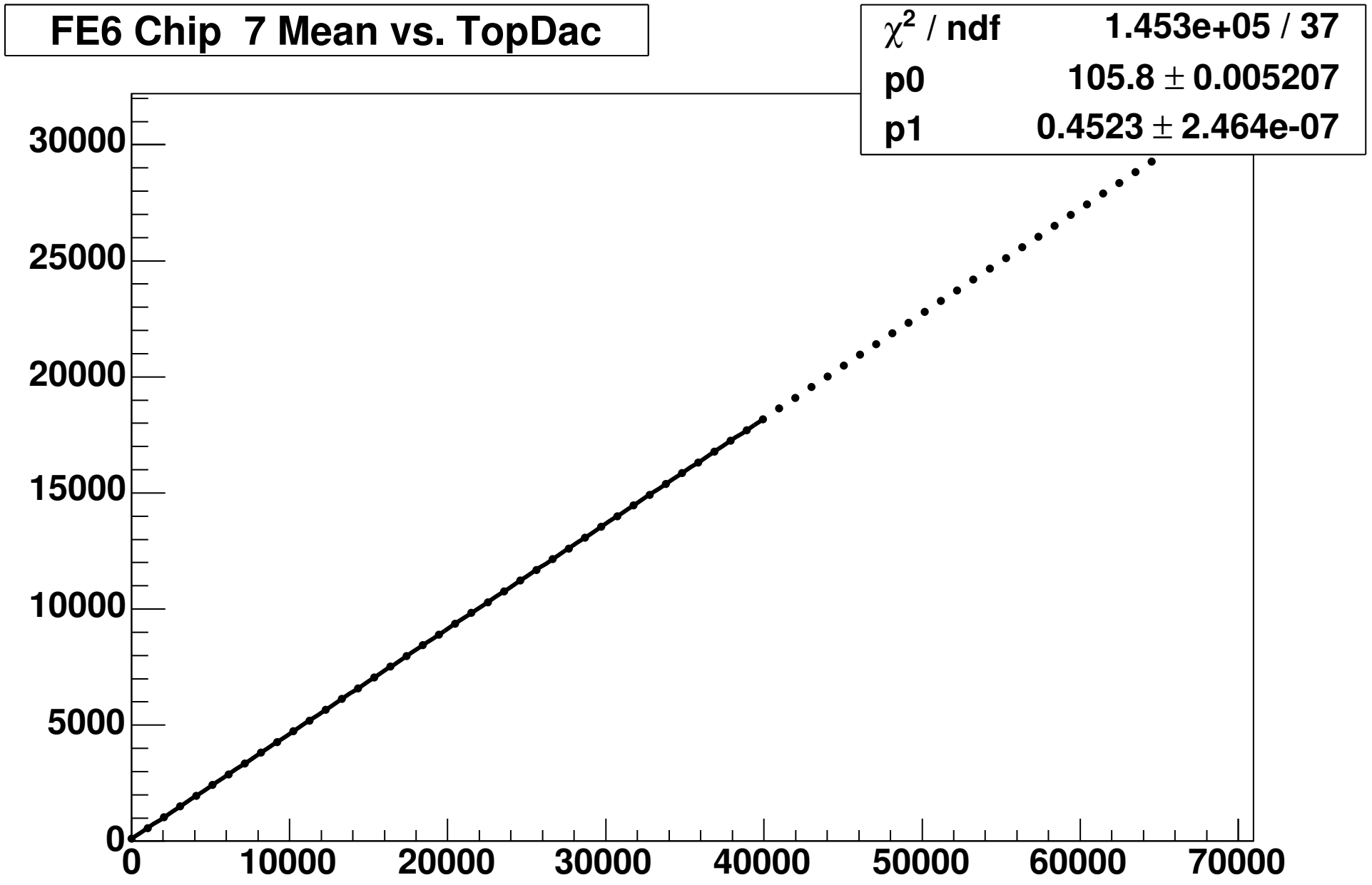

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 67.4 / 37
p0 1.443 ± 0.002654
p1 3.722e-06 ± 1.395e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

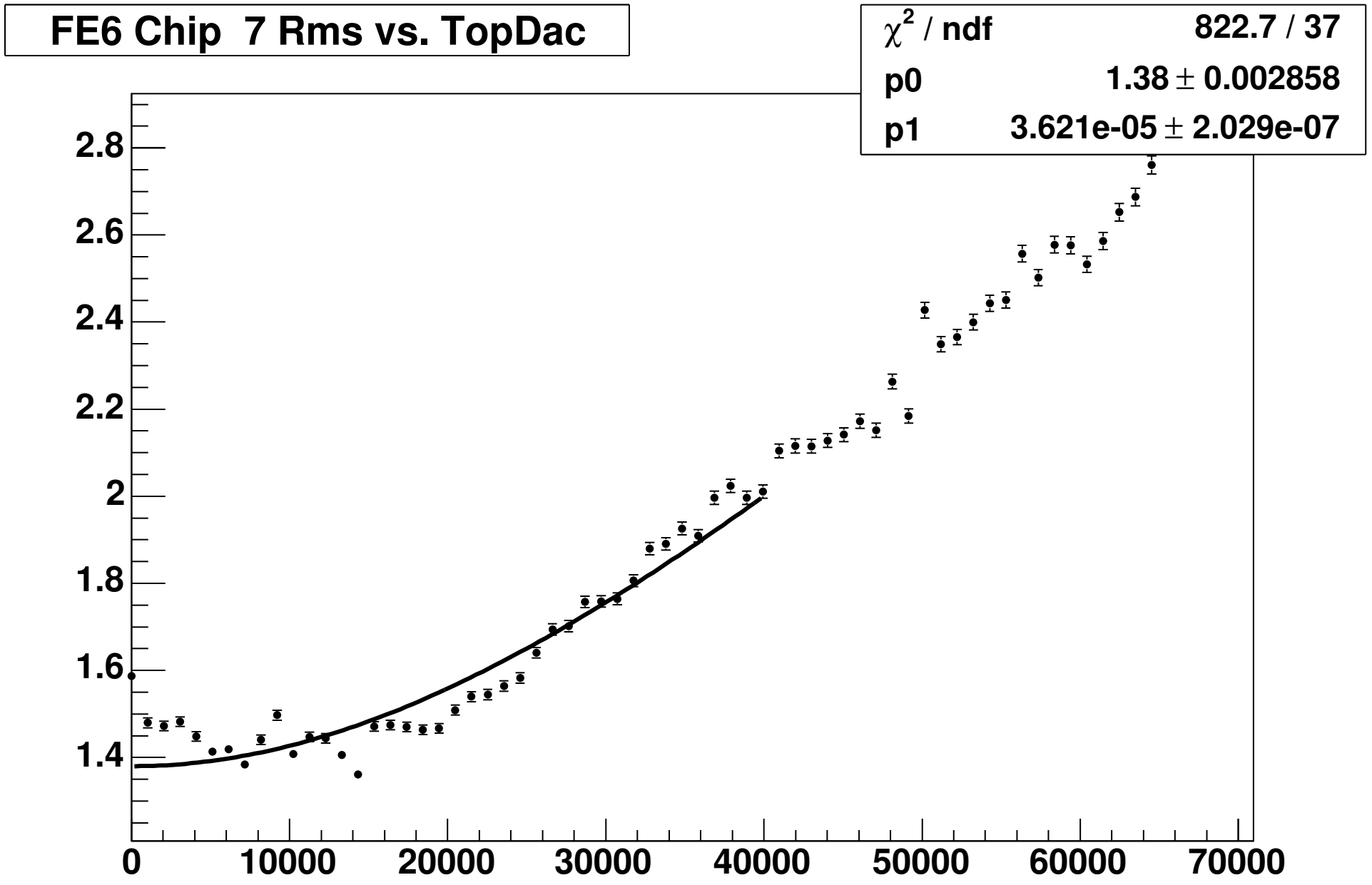

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.13e+05 / 37
p0 102.9 ± 0.005128
p1 0.4523 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

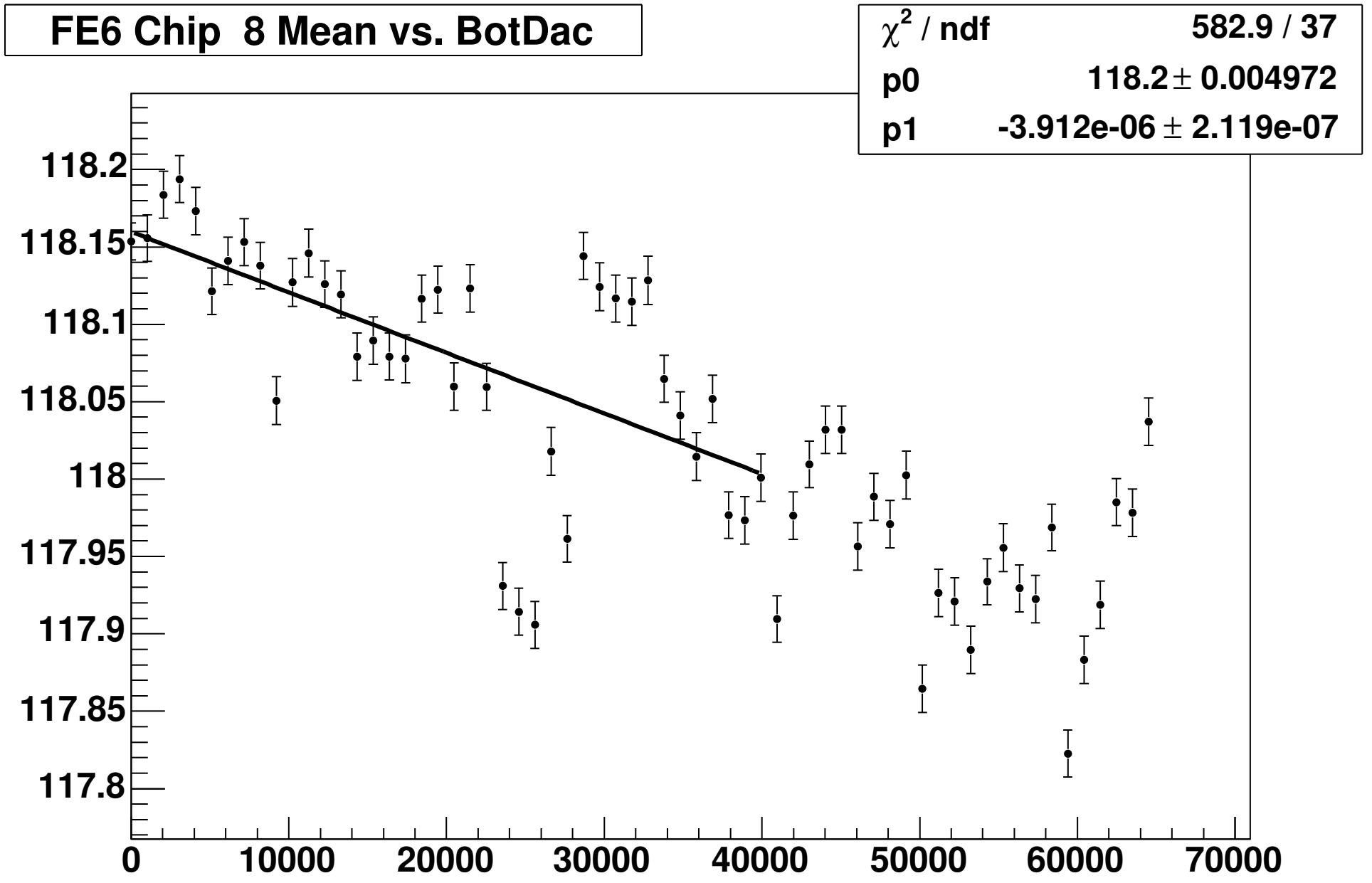

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 893.3 / 37
p0 1.363 ± 0.002826
p1 3.609e-05 ± 1.996e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

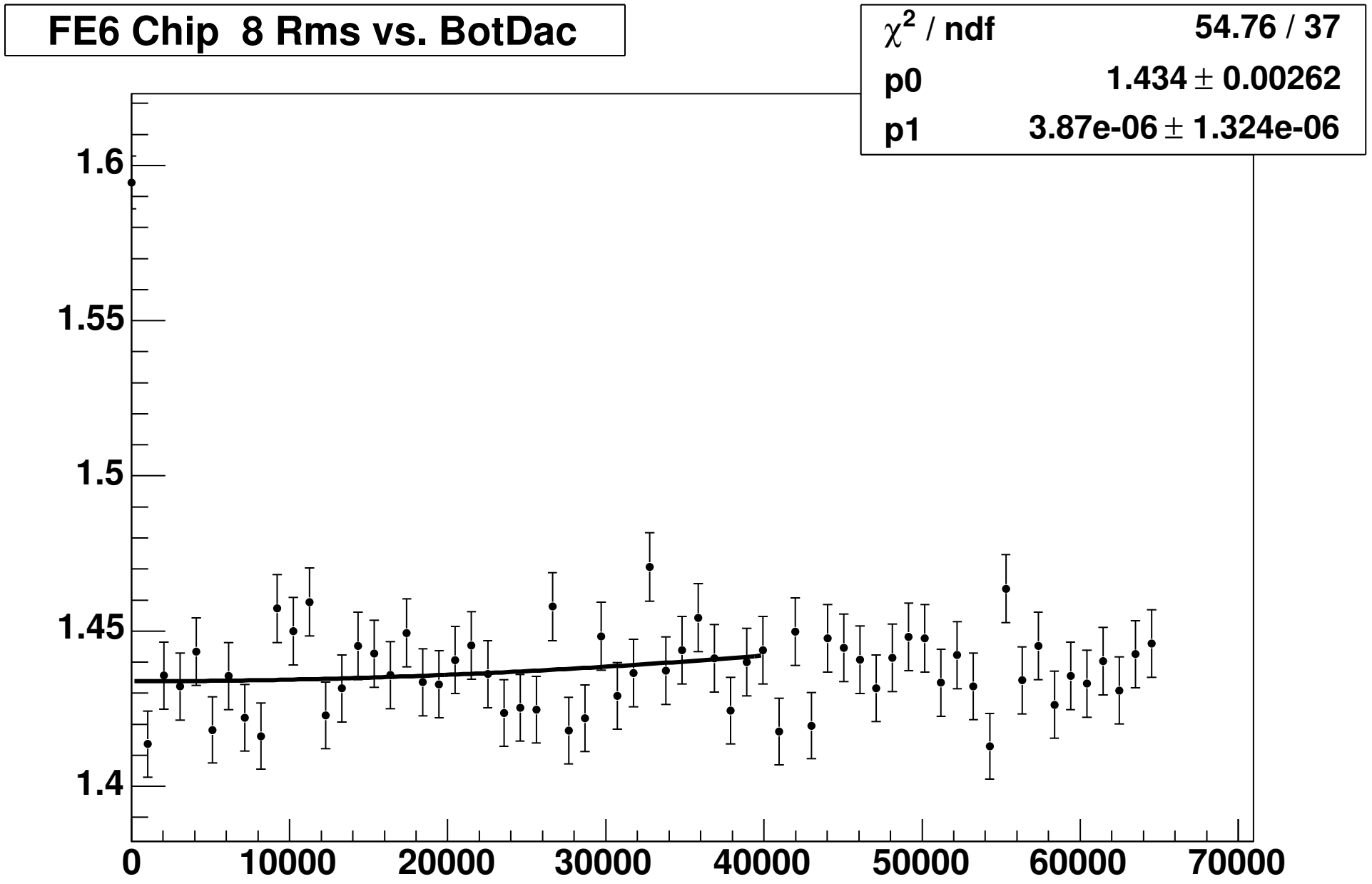

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 595.8 / 37
p0 106.2 ± 0.005014
p1 1.386e-06 ± 2.139e-07
106.35
106.3
106.25
106.2
106.15
106.1
106.05
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 45.88 / 37
p0 1.445 ± 0.002641
p1 4.857e-06 ± 1.075e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.453e+05 / 37
p0 105.8 ± 0.005207
p1 0.4523 ± 2.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 822.7 / 37
p0 1.38 ± 0.002858
p1 3.621e-05 ± 2.029e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 582.9 / 37
p0 118.2 ± 0.004972
p1 -3.912e-06 ± 2.119e-07
118.2
118.15
118.1
118.05
118
117.95
117.9
117.85
117.8
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 54.76 / 37
p0 1.434 ± 0.00262
p1 3.87e-06 ± 1.324e-06
1.6
1.55
1.5
1.45
1.4
0
10000
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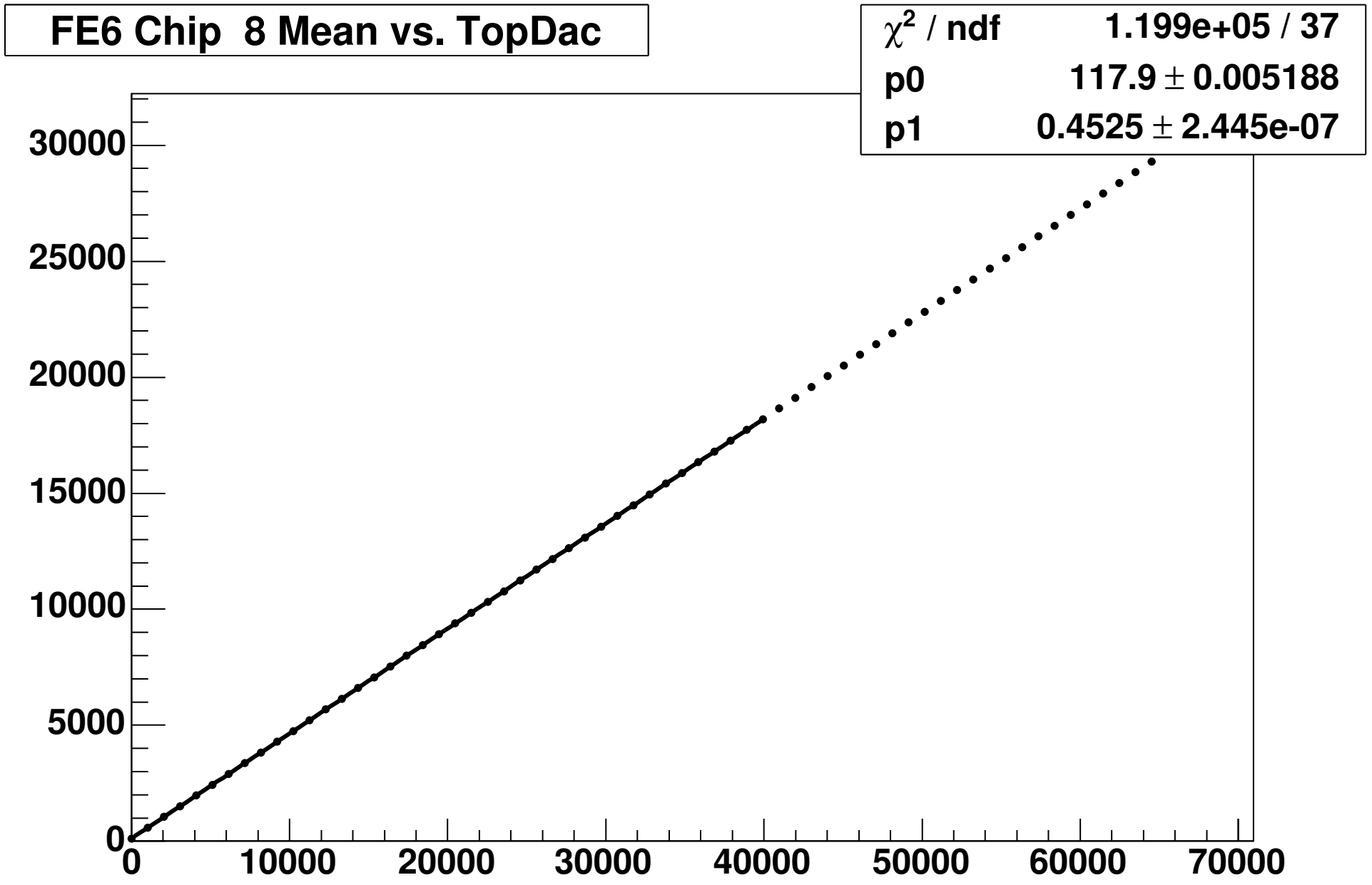
FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.199e+05 / 37
p0 117.9 ± 0.005188
p1 0.4525 ± 2.445e-07
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20000
15000
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5000
0
0
10000
20000
30000
40000
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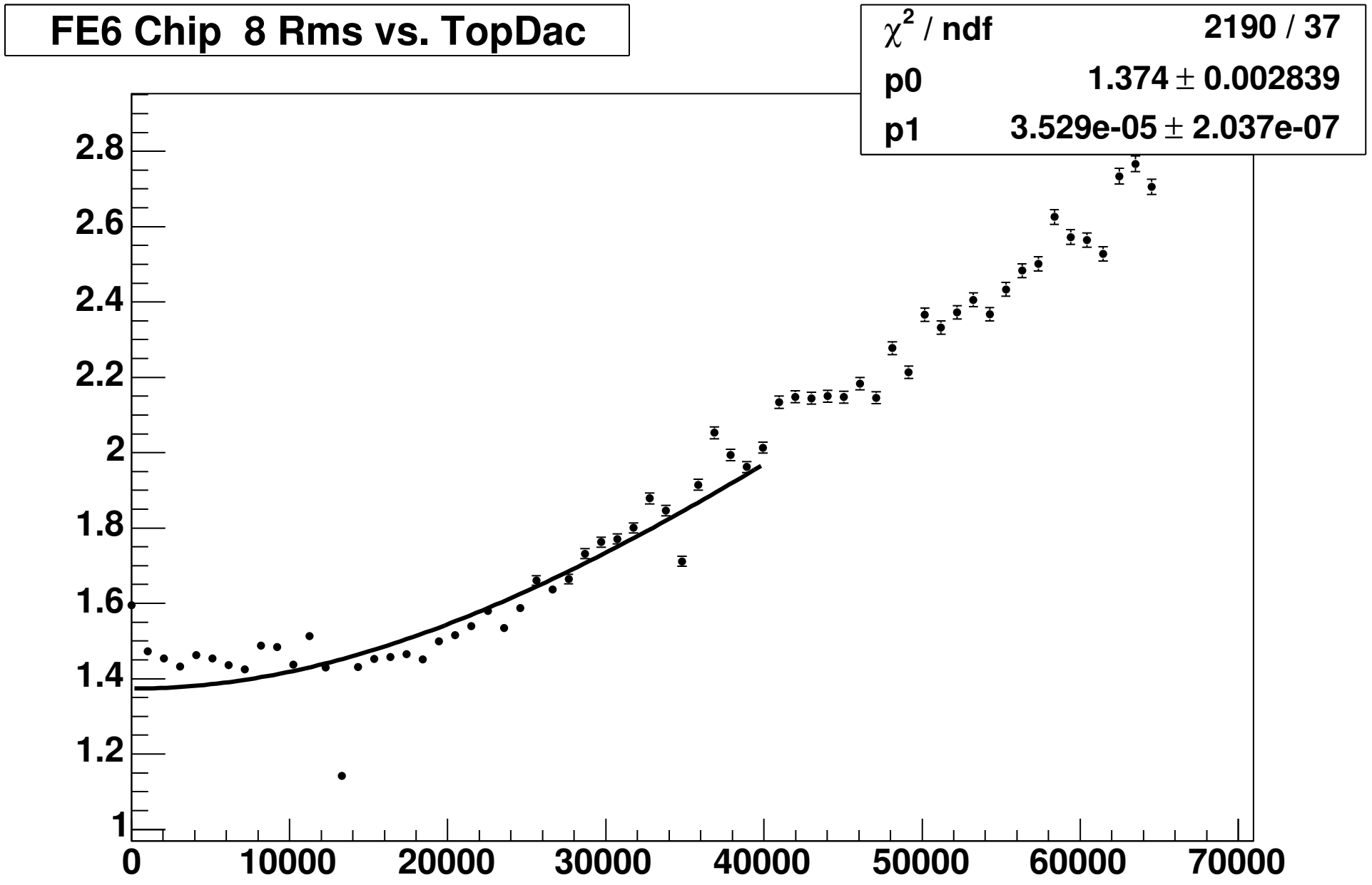
FE6 Chip 8 Rms vs. TopDac
χ² / ndf 2190 / 37
p0 1.374 ± 0.002839
p1 3.529e-05 ± 2.037e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
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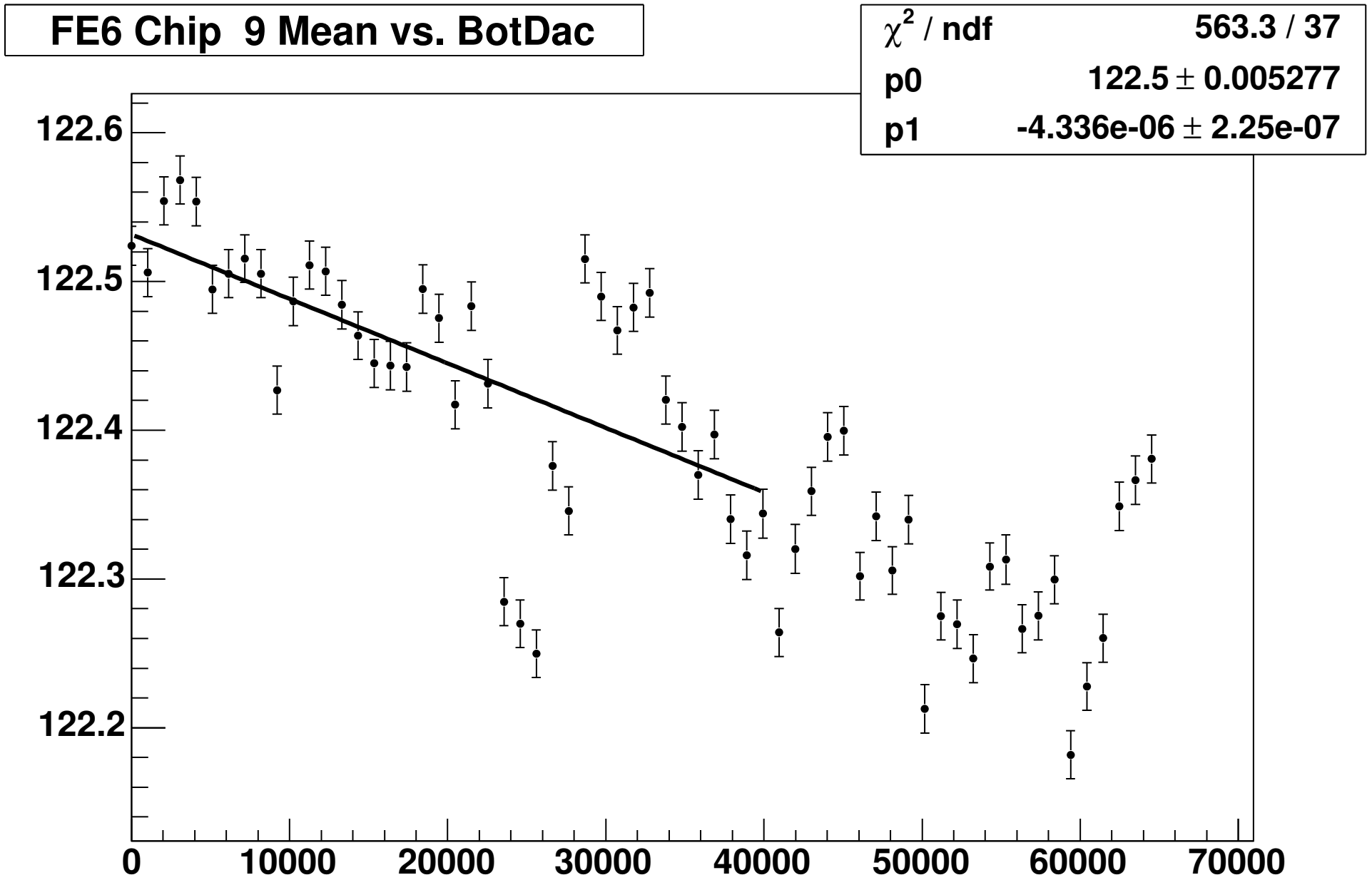
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 563.3 / 37
p0 122.5 ± 0.005277
p1 -4.336e-06 ± 2.25e-07
122.6
122.5
122.4
122.3
122.2
0
10000
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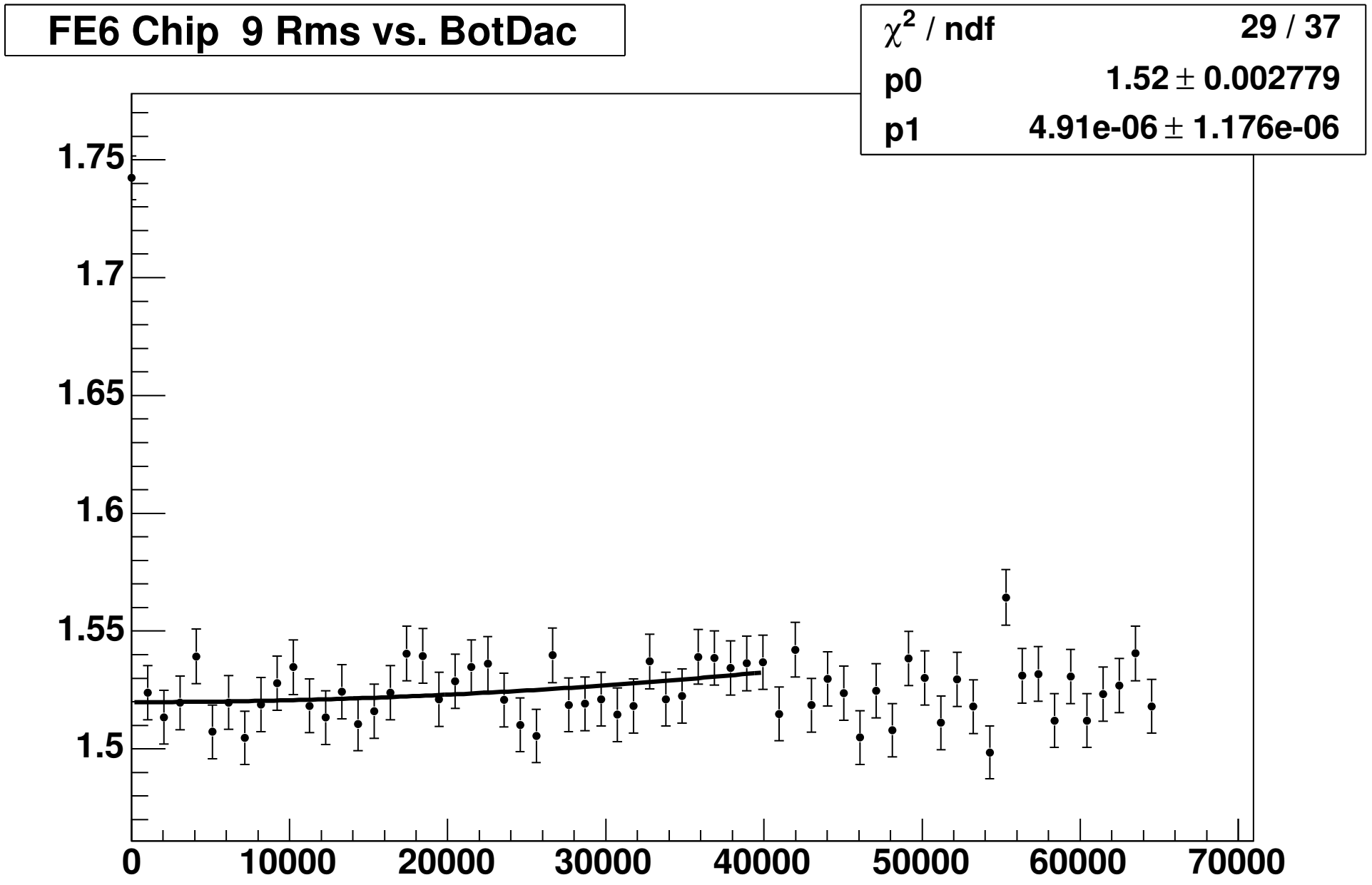
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 29 / 37
p0 1.52 ± 0.002779
p1 4.91e-06 ± 1.176e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
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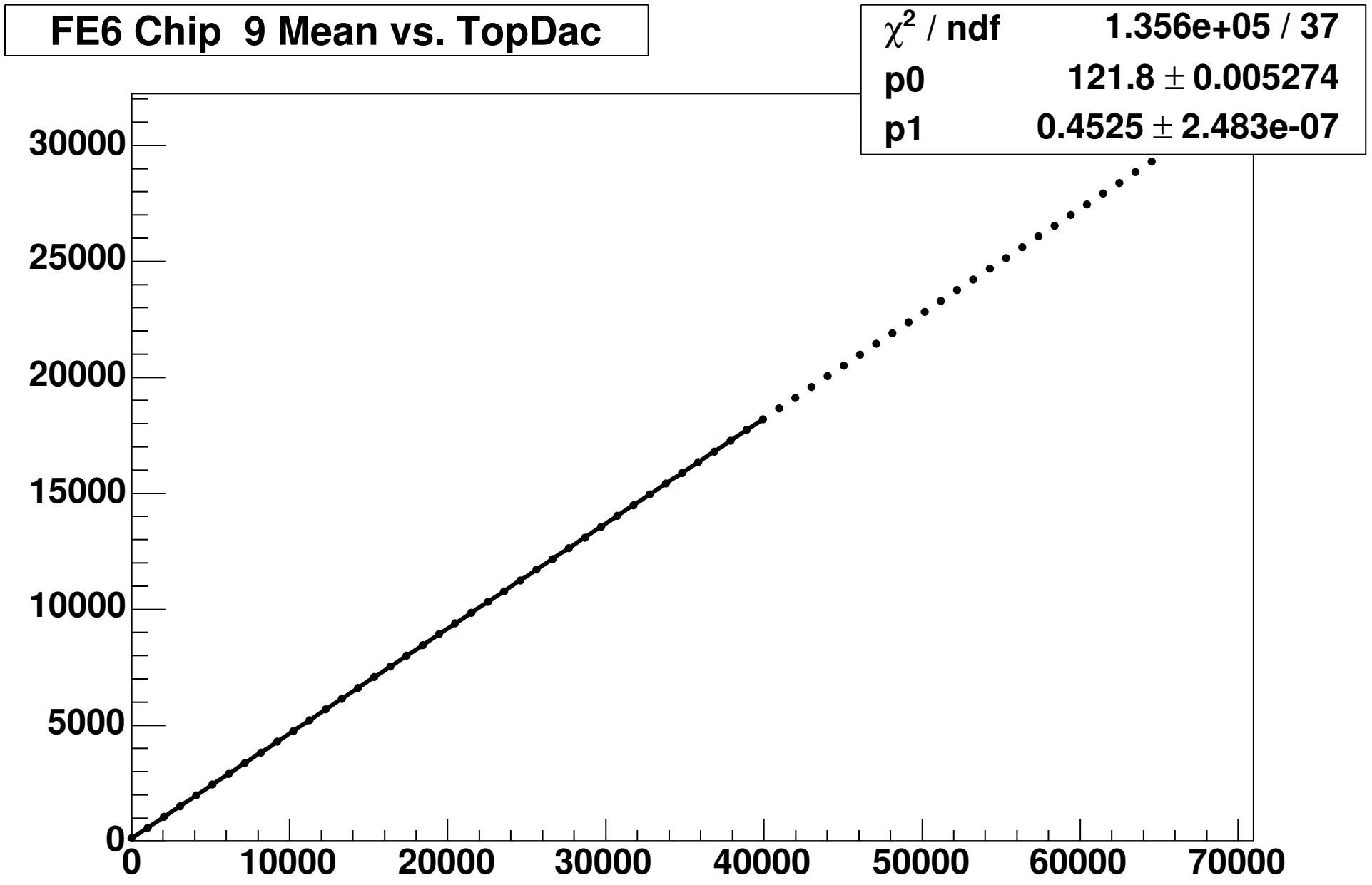
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.356e+05 / 37
p0 121.8 ± 0.005274
p1 0.4525 ± 2.483e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
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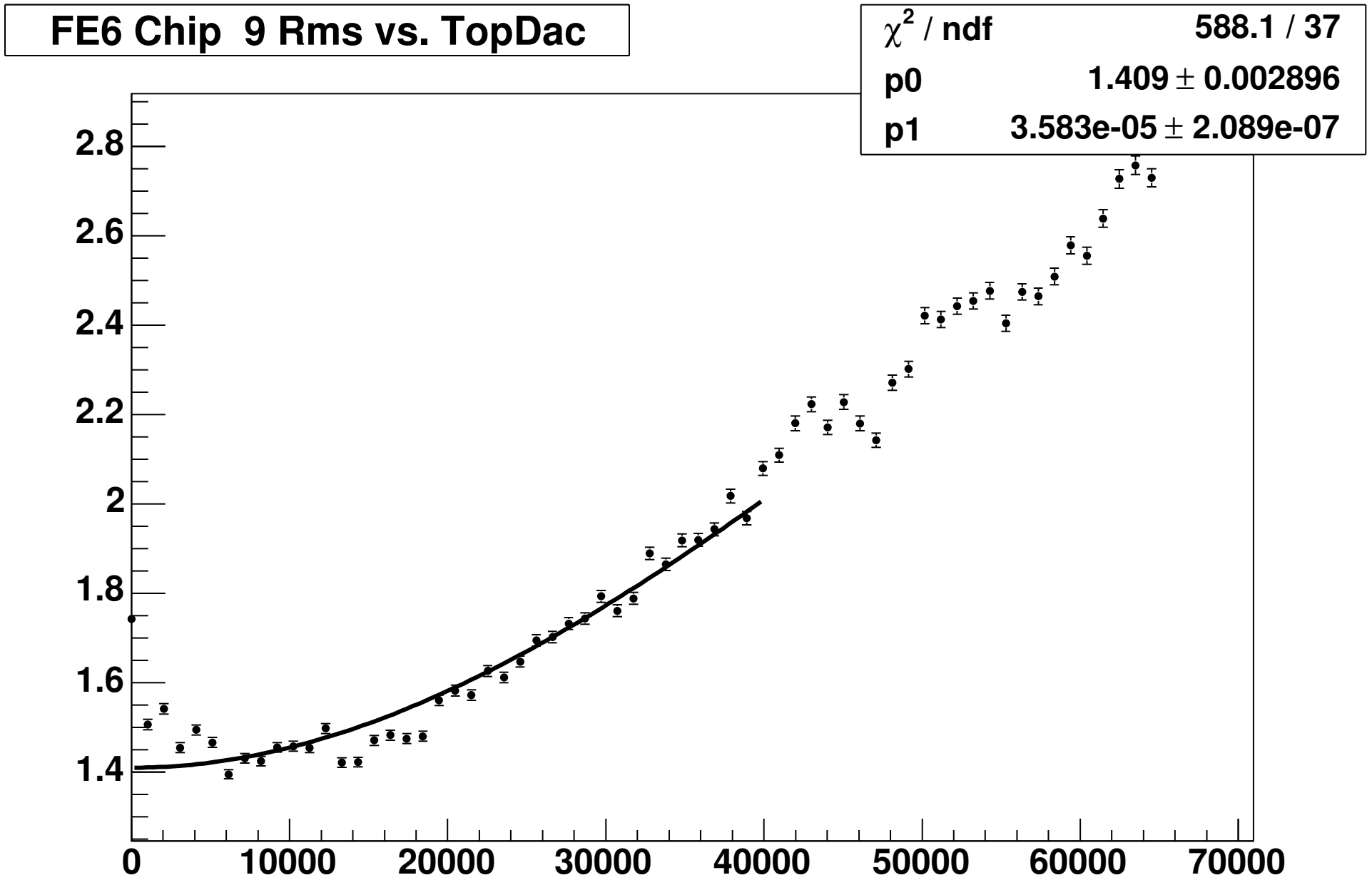
FE6 Chip 9 Rms vs. TopDac
χ² / ndf 588.1 / 37
p0 1.409 ± 0.002896
p1 3.583e-05 ± 2.089e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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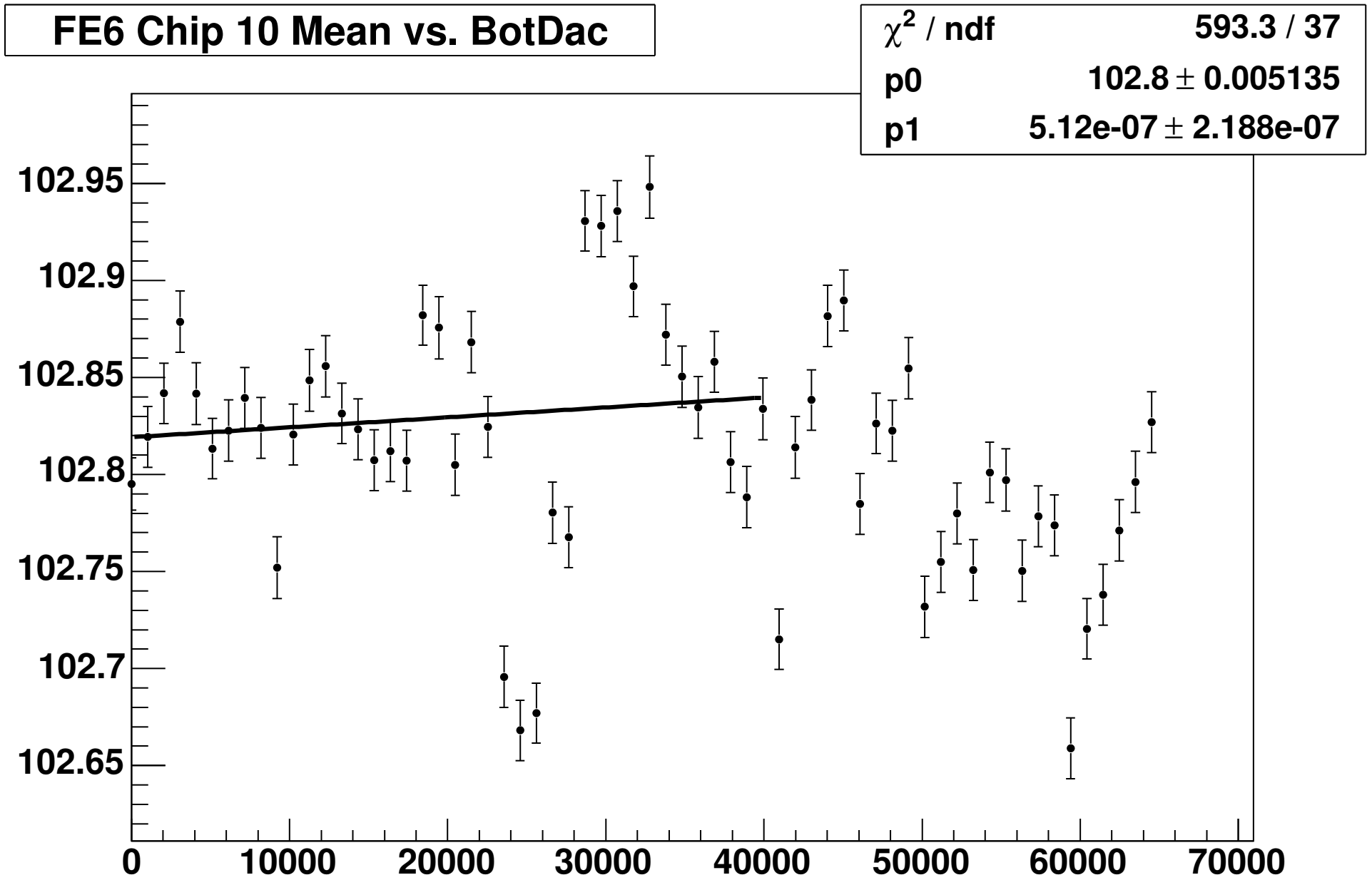
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 593.3 / 37
p0 102.8 ± 0.005135
p1 5.12e-07 ± 2.188e-07
102.95
102.9
102.85
102.8
102.75
102.7
102.65
0
10000
20000
30000
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50000
60000
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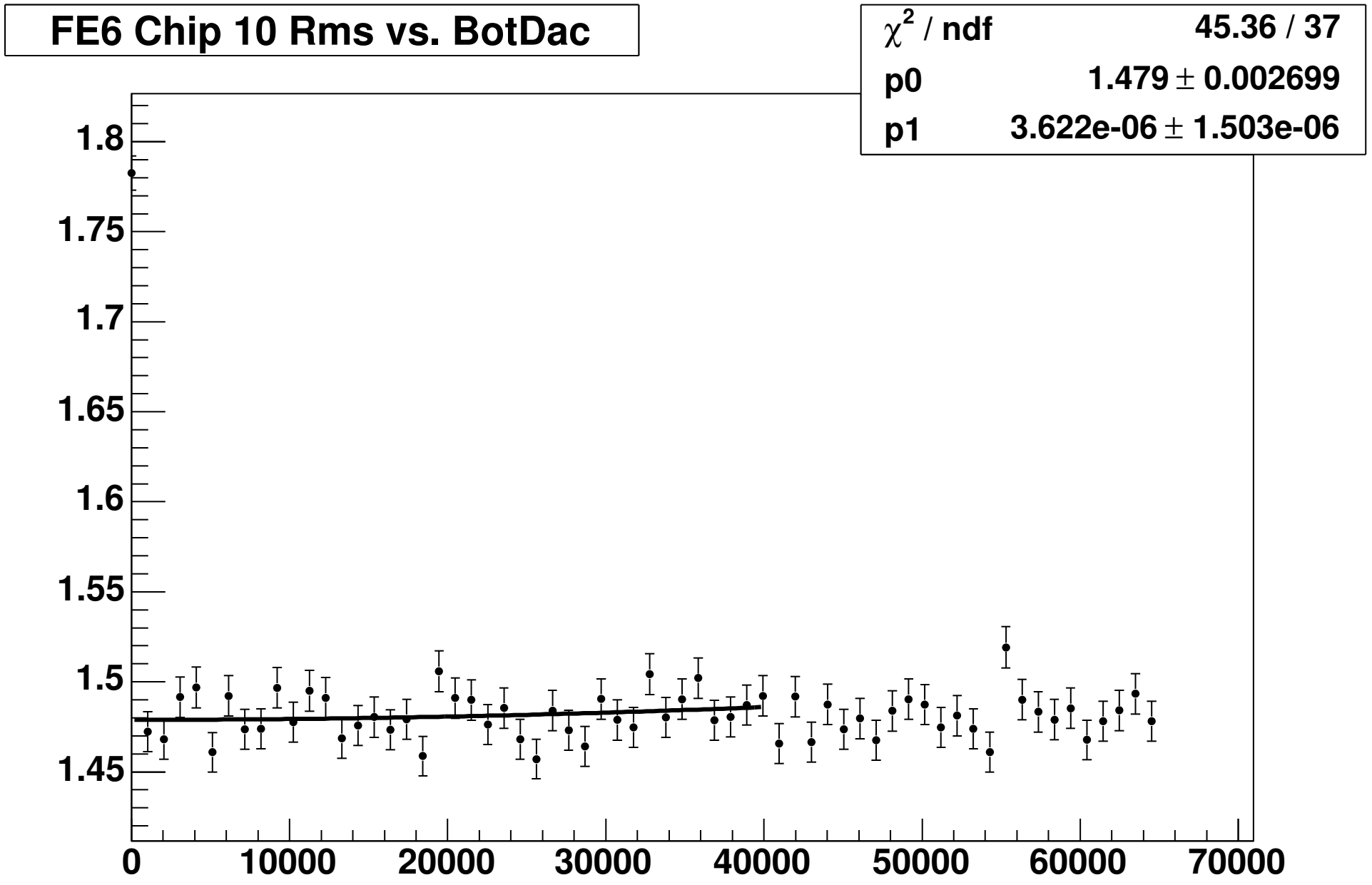
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 45.36 / 37
p0 1.479 ± 0.002699
p1 3.622e-06 ± 1.503e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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60000
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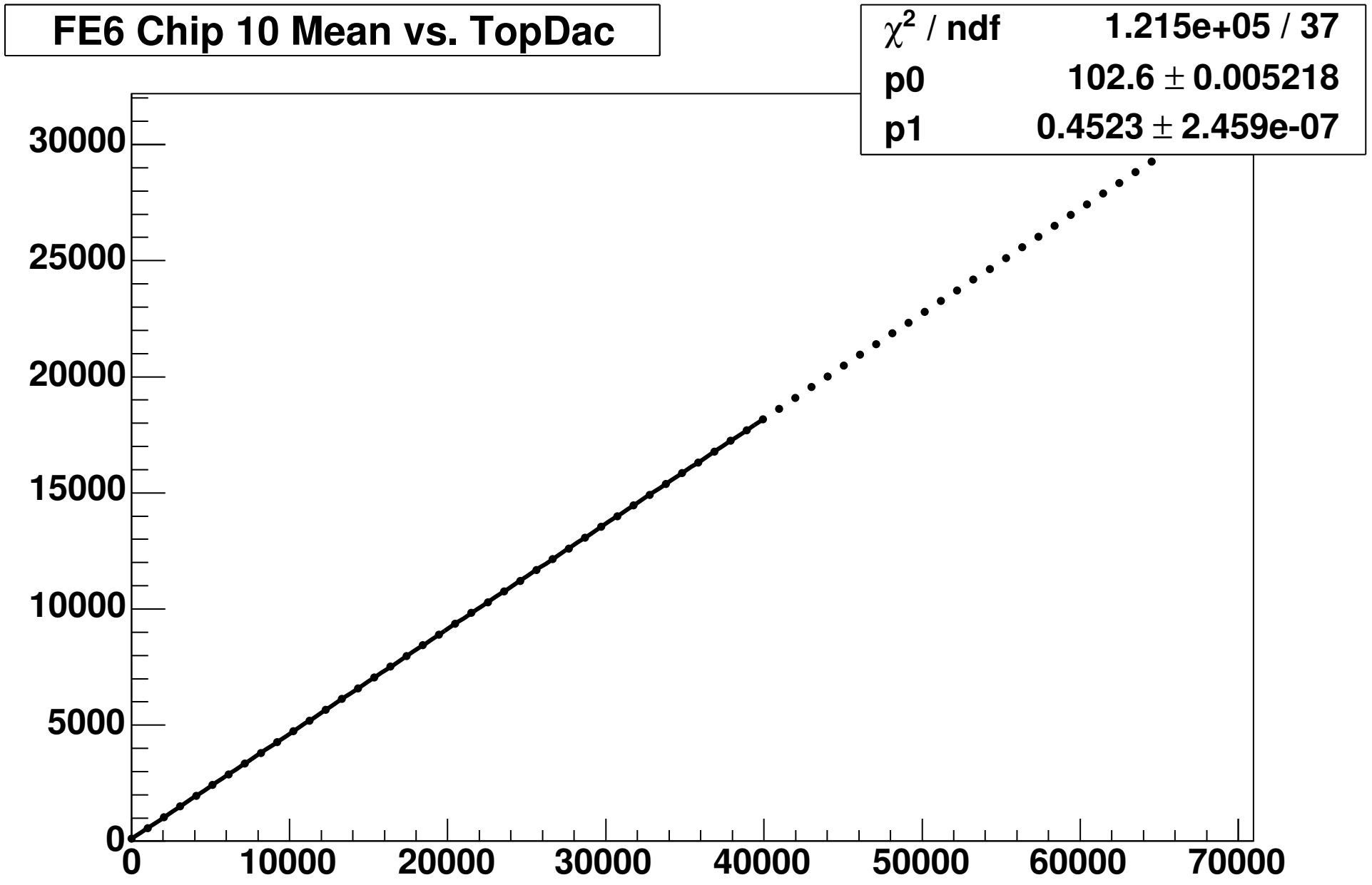
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.215e+05 / 37
p0 102.6 ± 0.005218
p1 0.4523 ± 2.459e-07
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15000
10000
5000
0
0
10000
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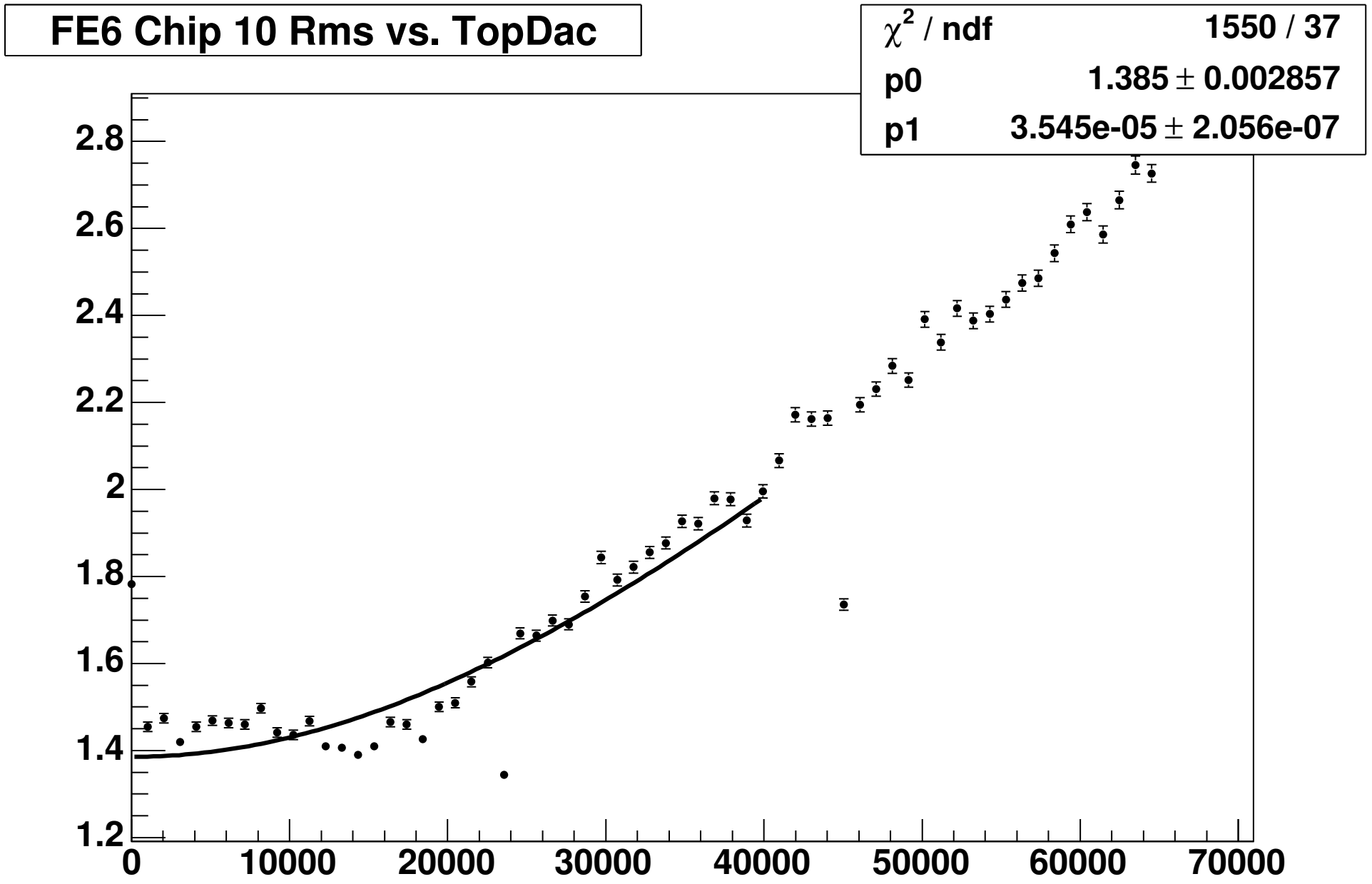
FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1550 / 37
p0 1.385 ± 0.002857
p1 3.545e-05 ± 2.056e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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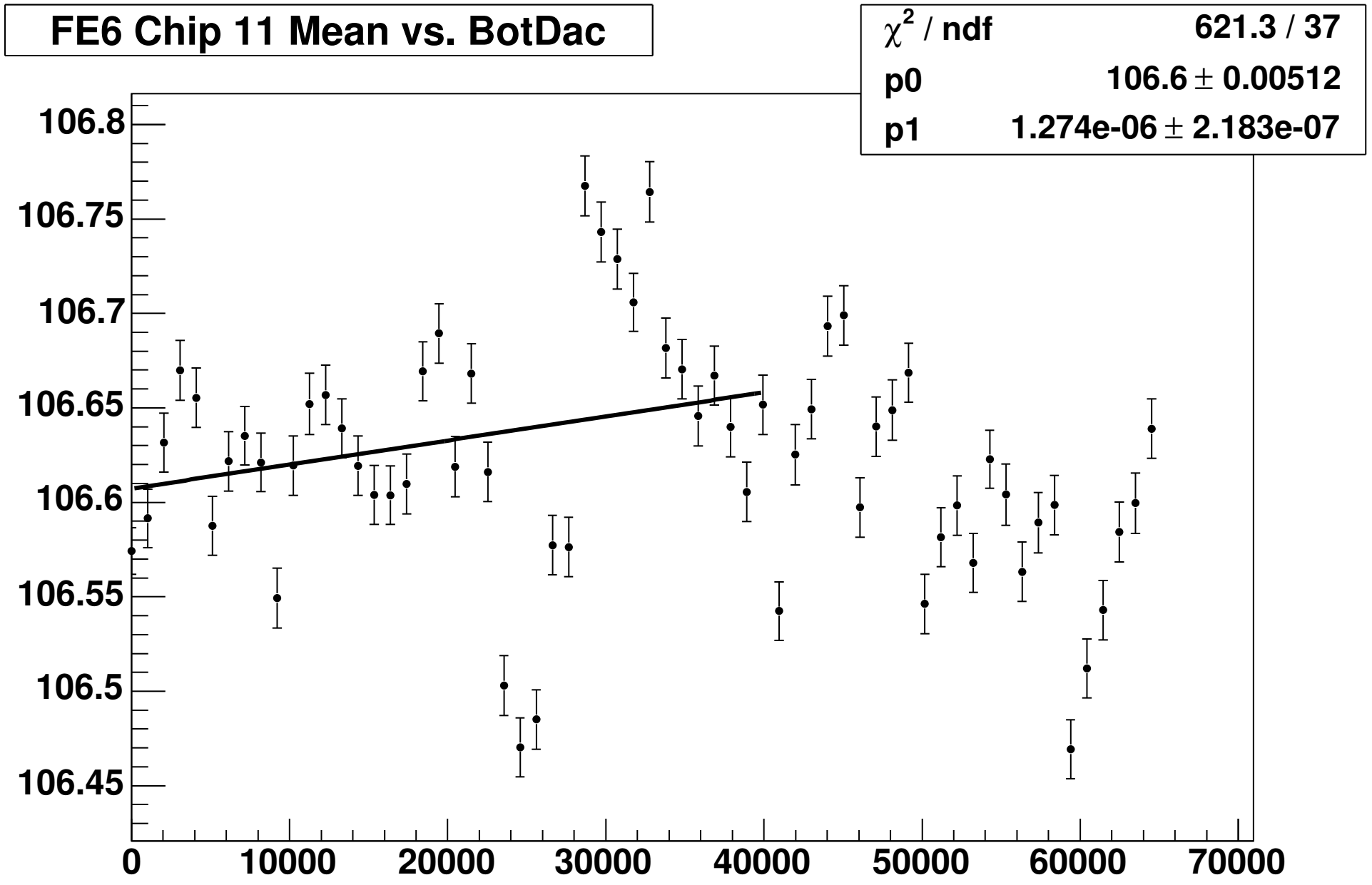
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 621.3 / 37
p0 106.6 ± 0.00512
p1 1.274e-06 ± 2.183e-07
106.8
106.75
106.7
106.65
106.6
106.55
106.5
106.45
0
10000
20000
30000
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60000
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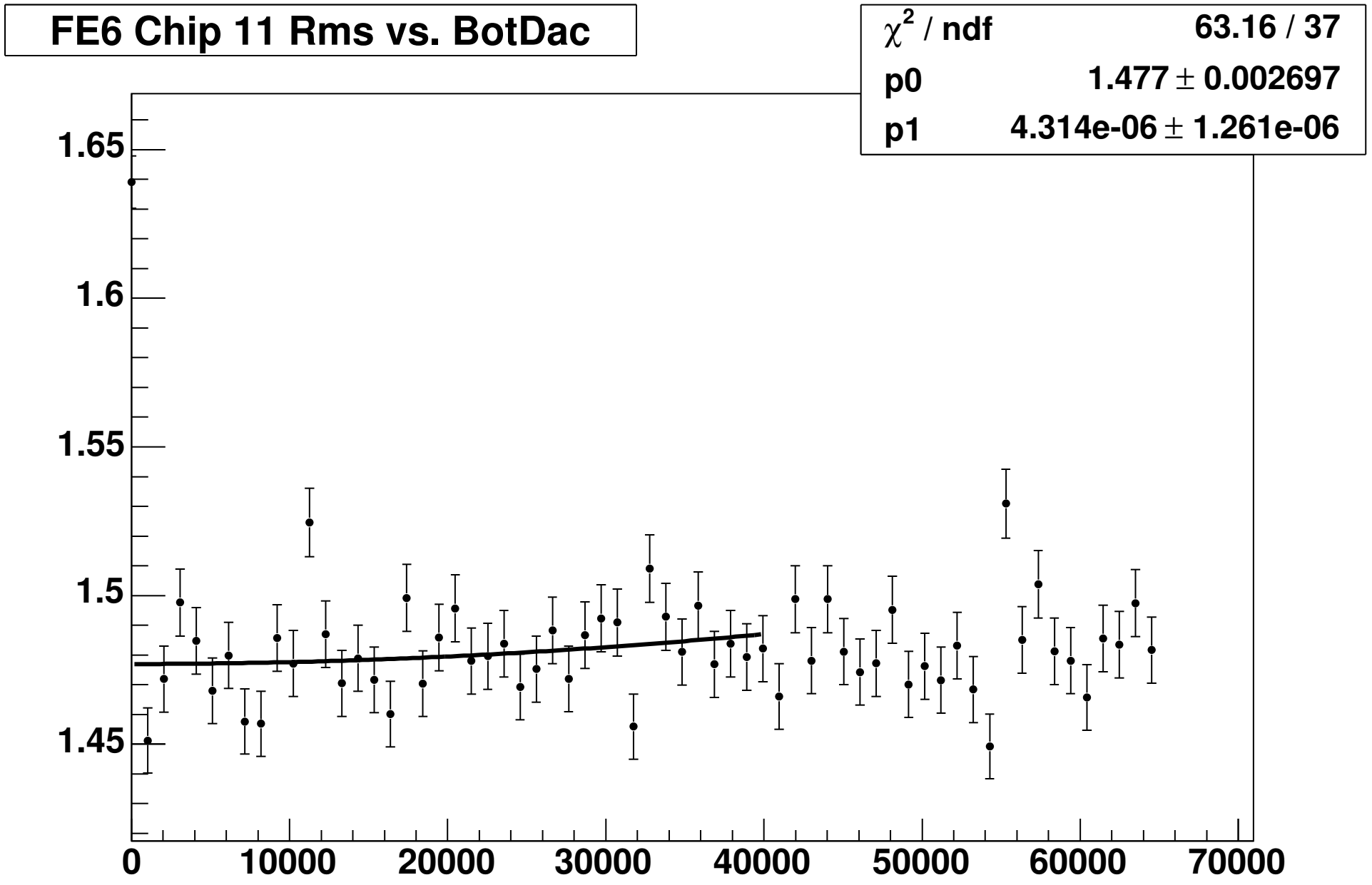
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 63.16 / 37
p0 1.477 ± 0.002697
p1 4.314e-06 ± 1.261e-06
1.65
1.6
1.55
1.5
1.45
0
10000
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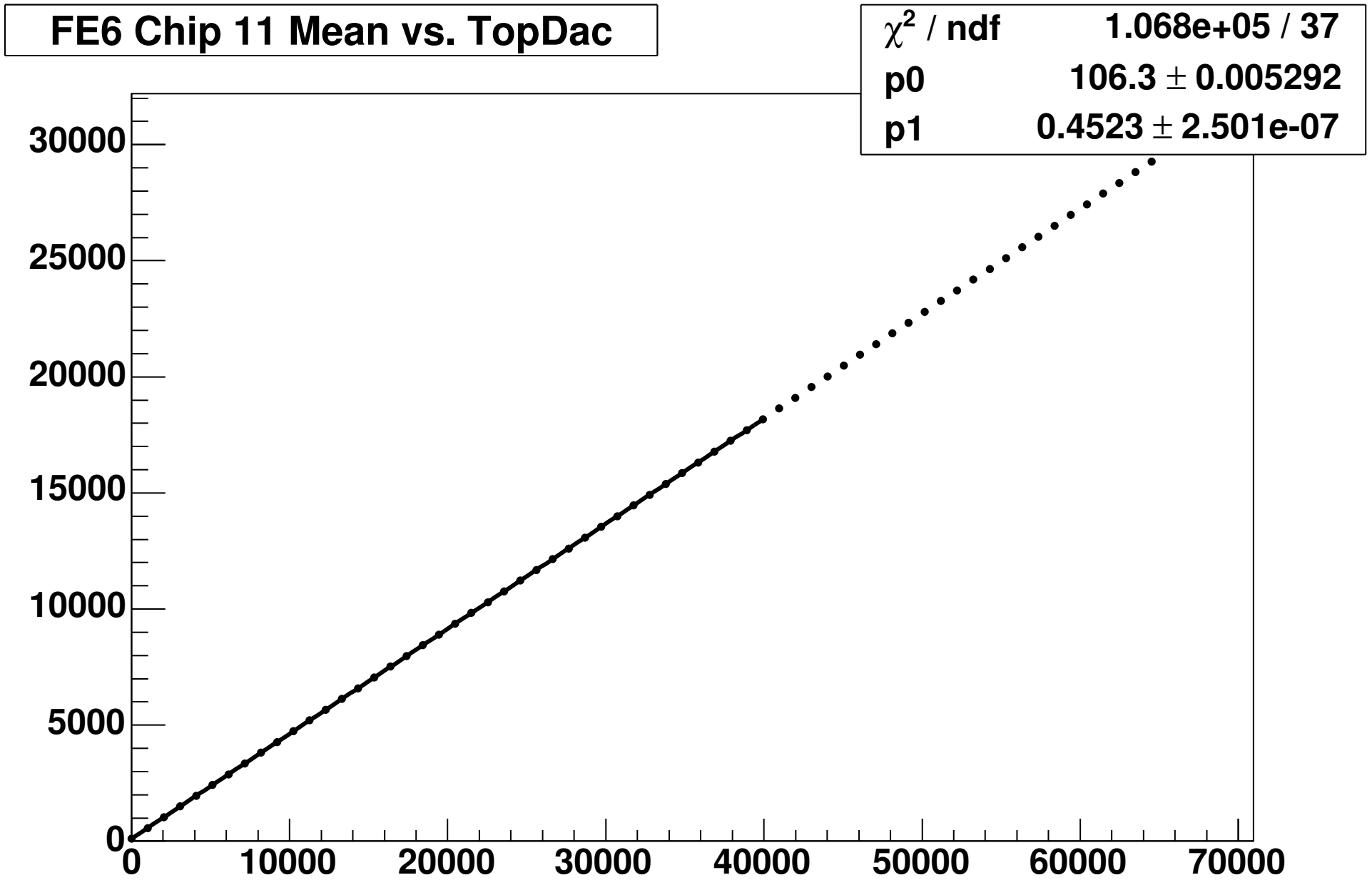
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.068e+05 / 37
p0 106.3 ± 0.005292
p1 0.4523 ± 2.501e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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60000
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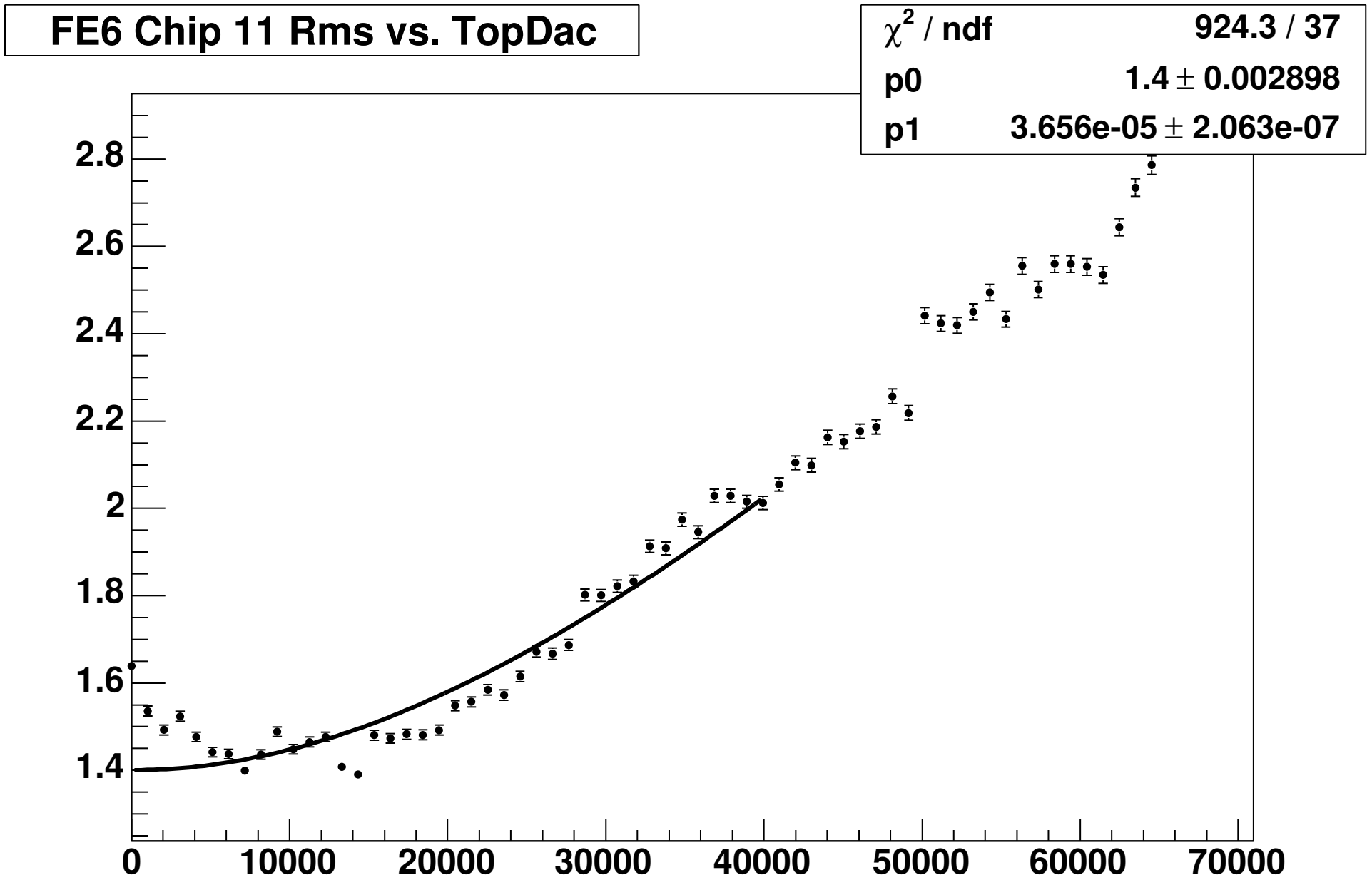
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 924.3 / 37
p0 1.4 ± 0.002898
p1 3.656e-05 ± 2.063e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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60000
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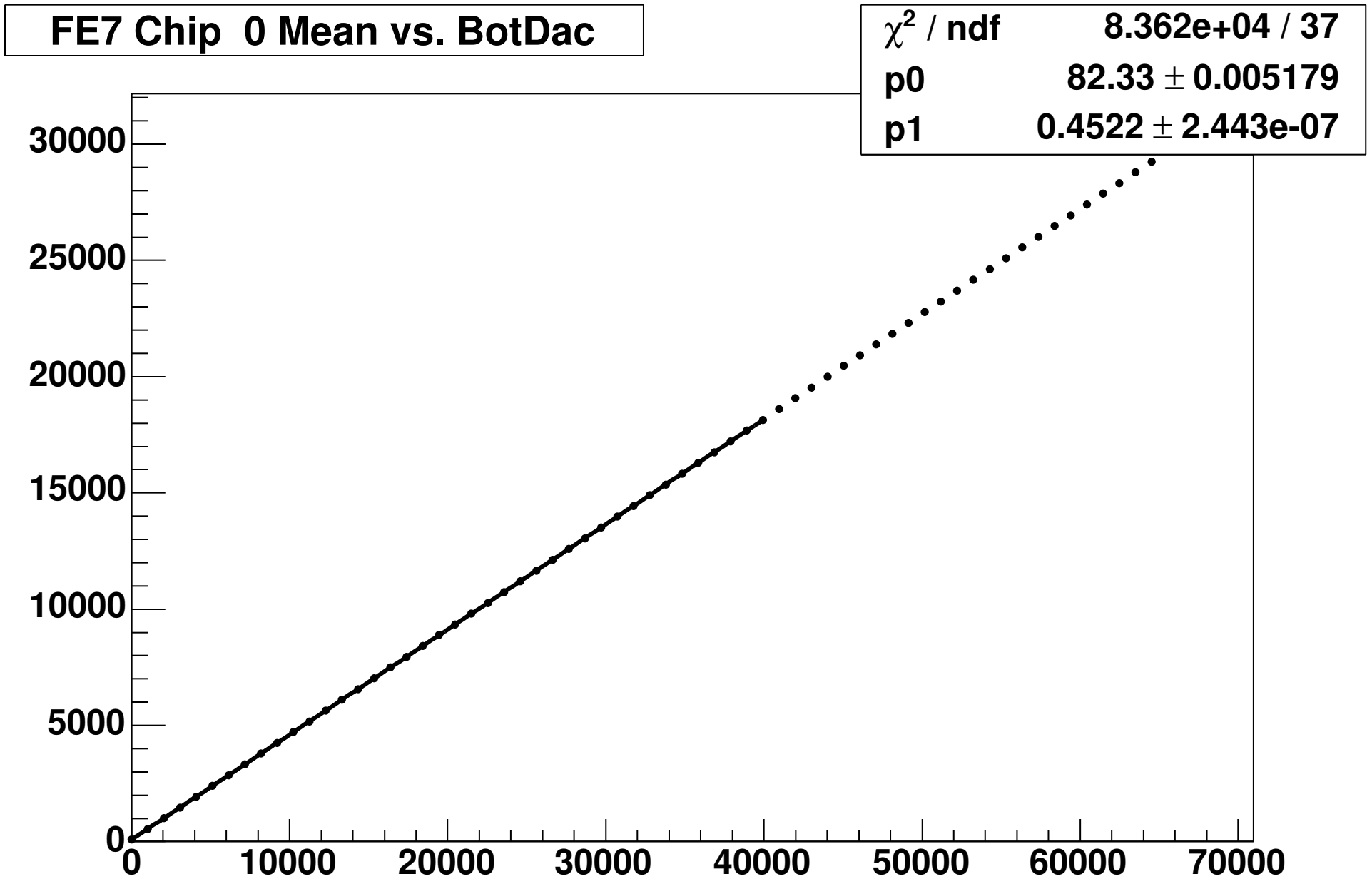
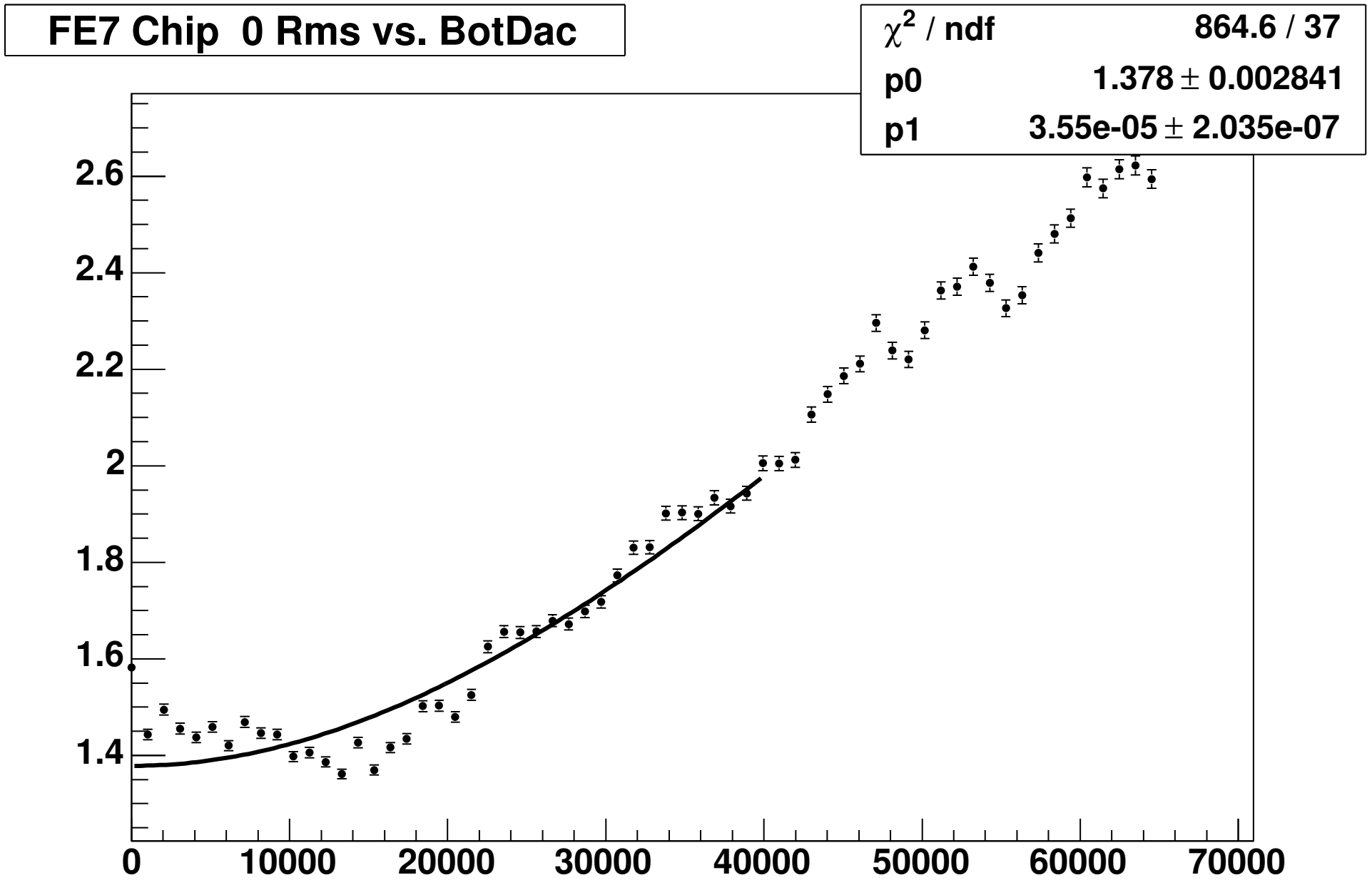

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 8.362e+04 / 37
p0 82.33 ± 0.005179
p1 0.4522 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 864.6 / 37
p0 1.378 ± 0.002841
p1 3.55e-05 ± 2.035e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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60000
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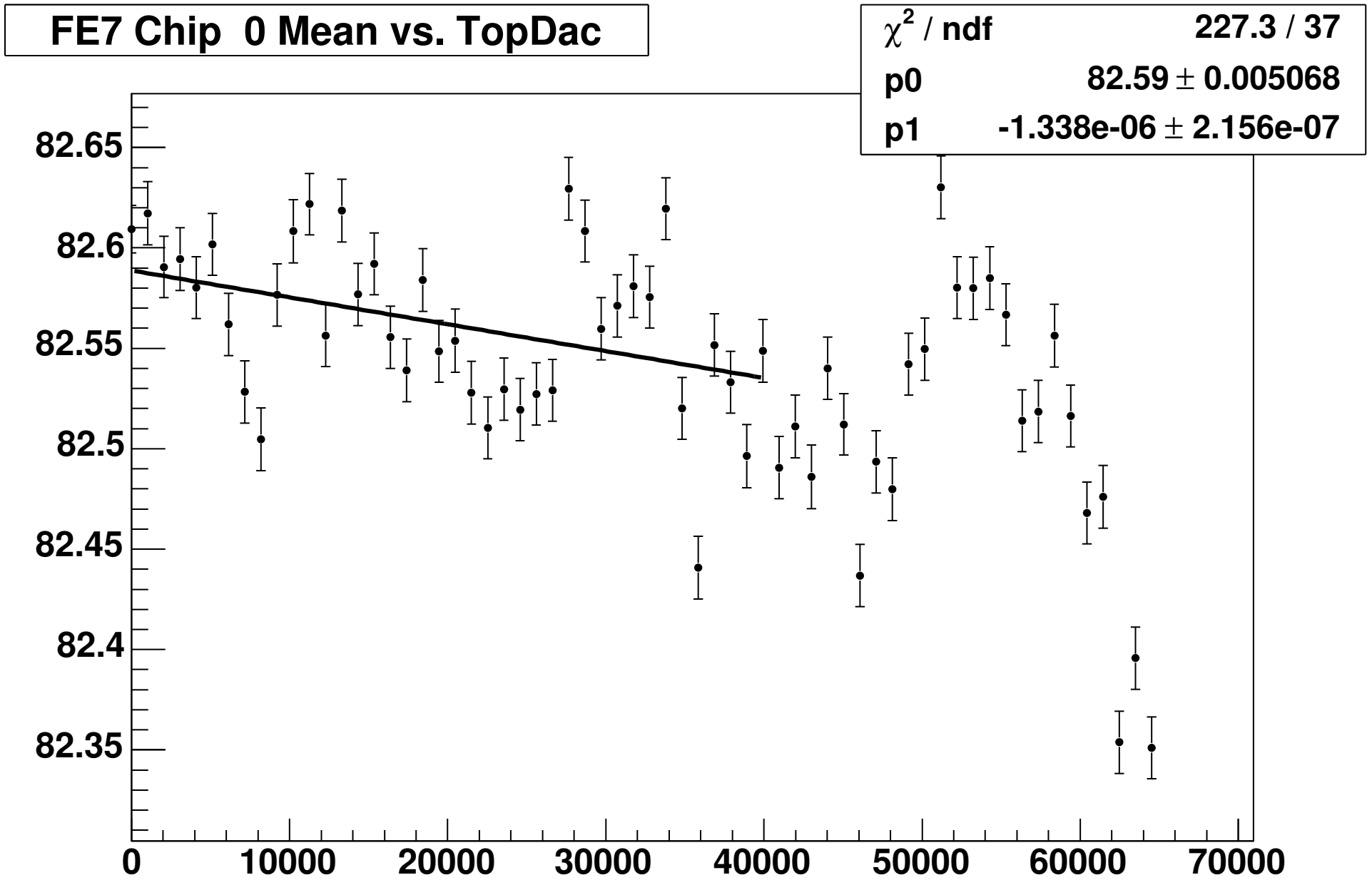
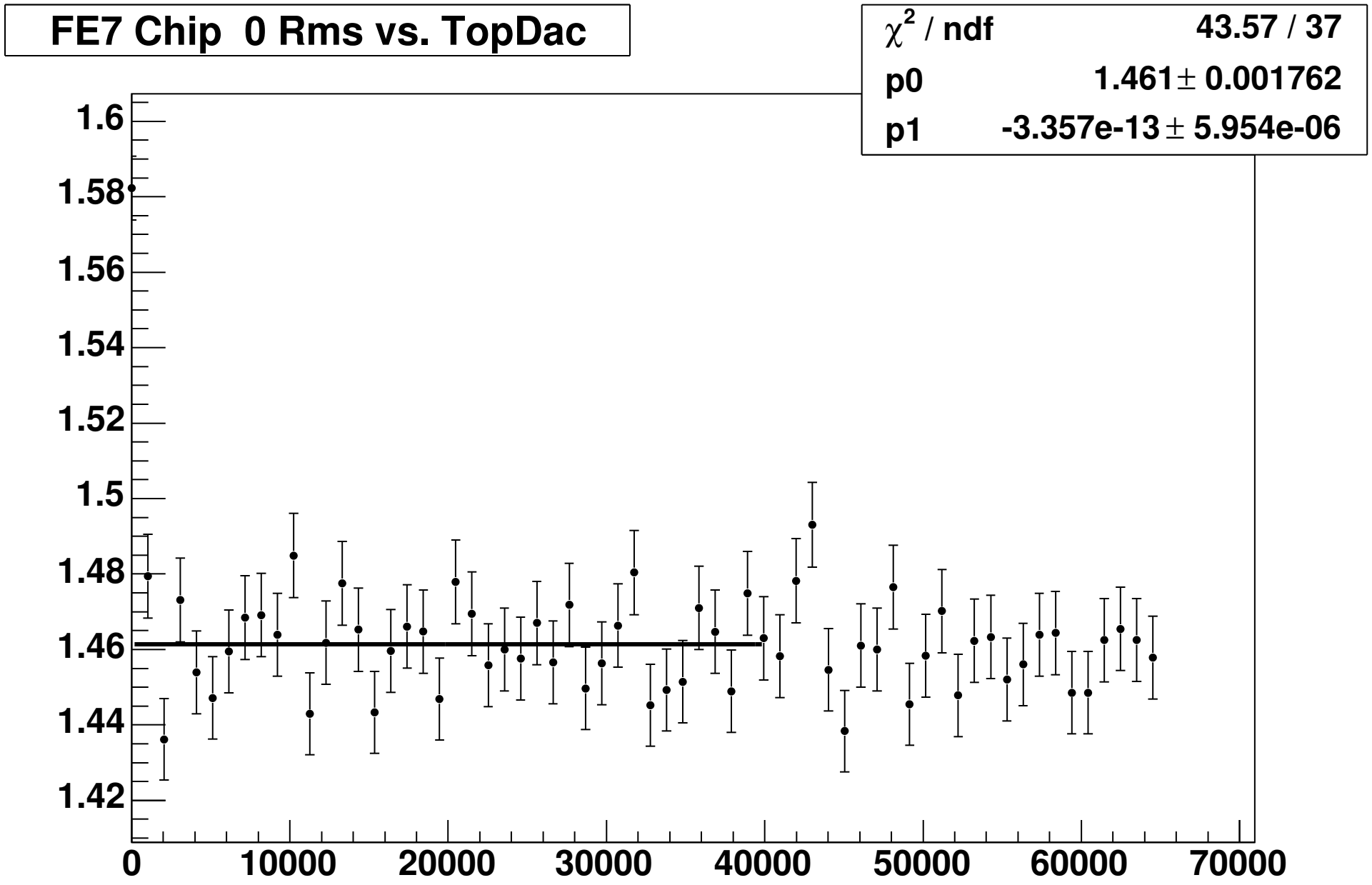

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 227.3 / 37
p0 82.59 ± 0.005068
p1 -1.338e-06 ± 2.156e-07
82.65
82.6
82.55
82.5
82.45
82.4
82.35
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 43.57 / 37
p0 1.461 ± 0.001762
p1 -3.357e-13 ± 5.954e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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50000
60000
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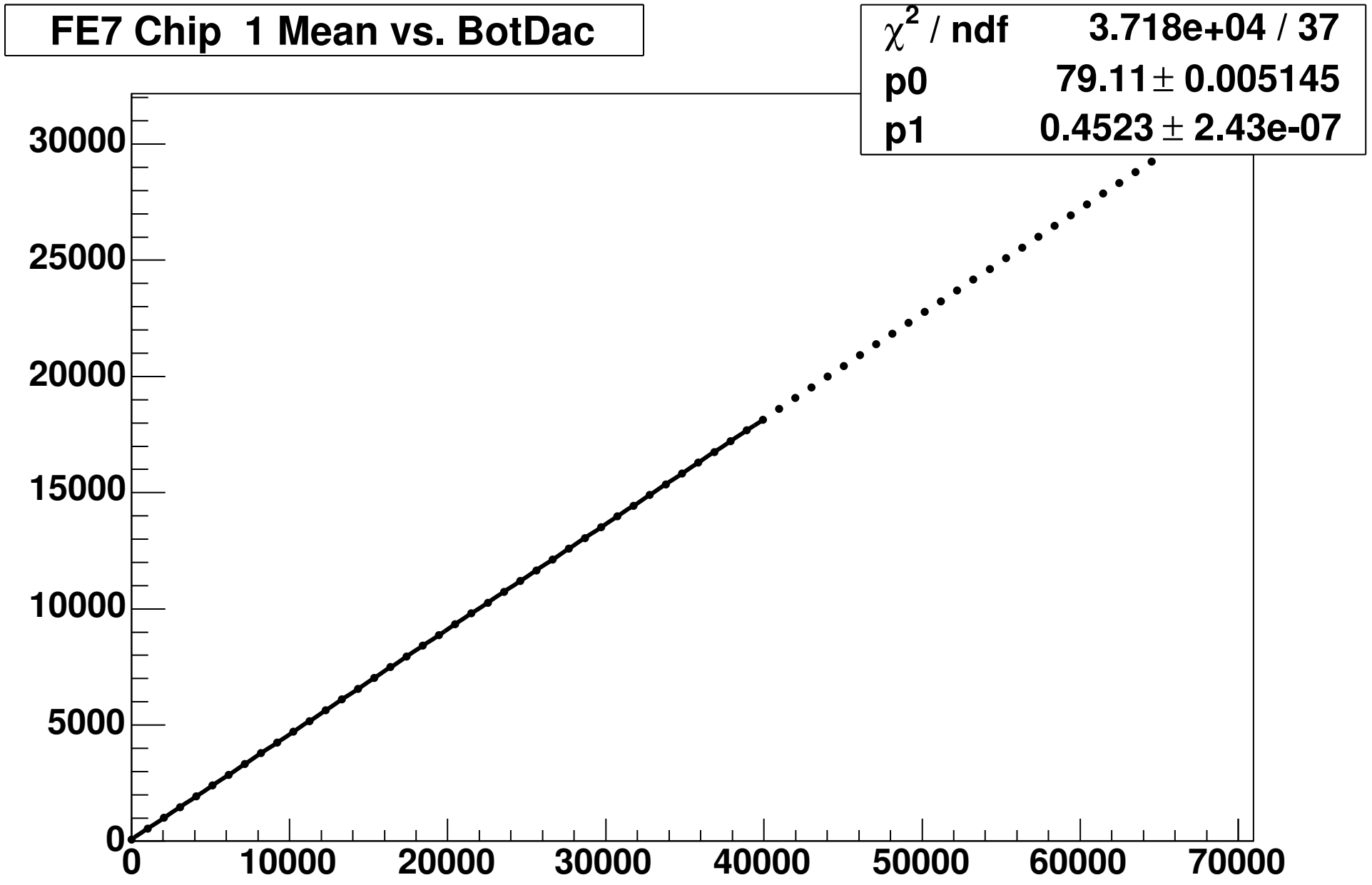
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 3.718e+04 / 37
p0 79.11 ± 0.005145
p1 0.4523 ± 2.43e-07
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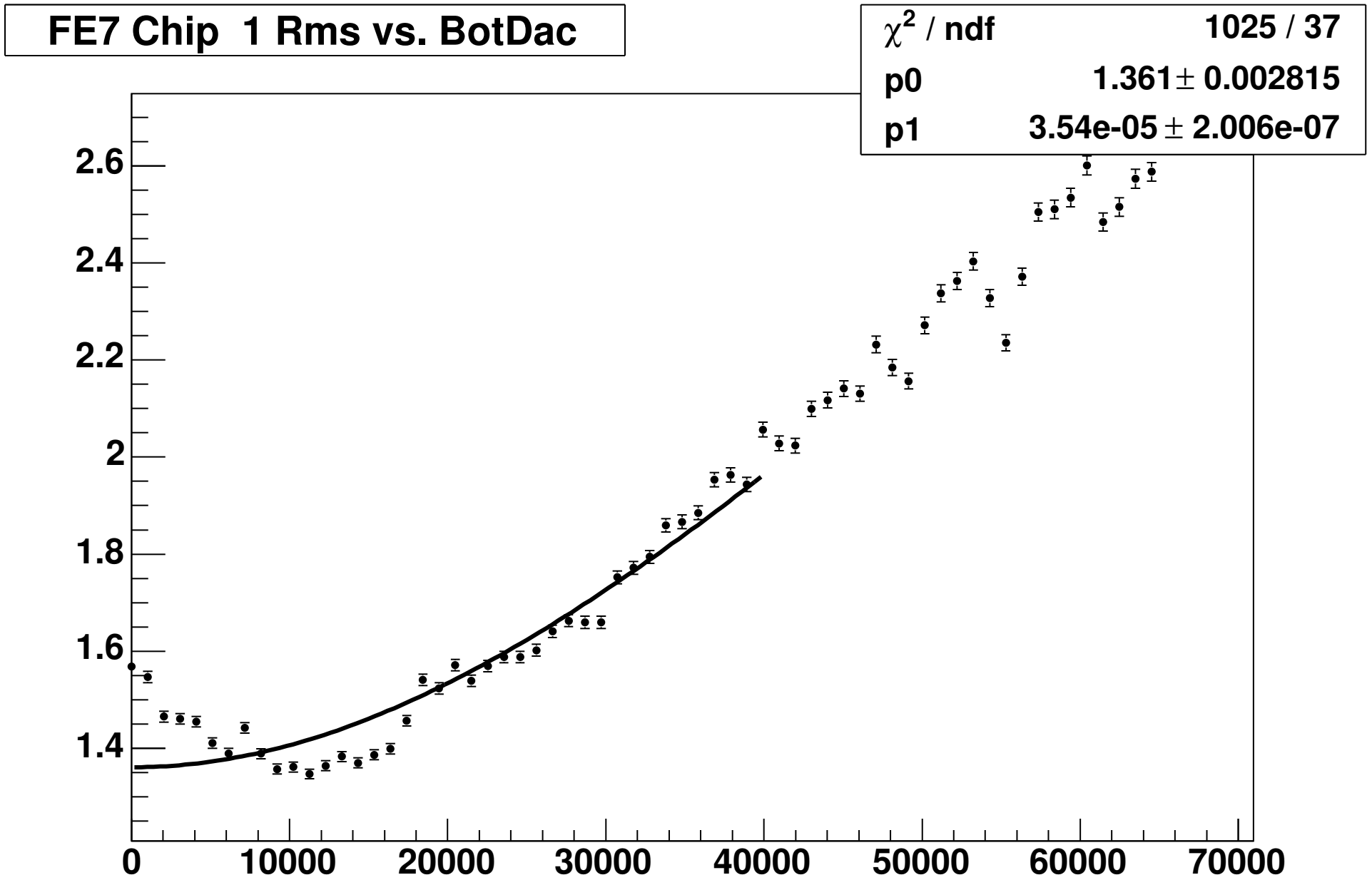
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1025 / 37
p0 1.361 ± 0.002815
p1 3.54e-05 ± 2.006e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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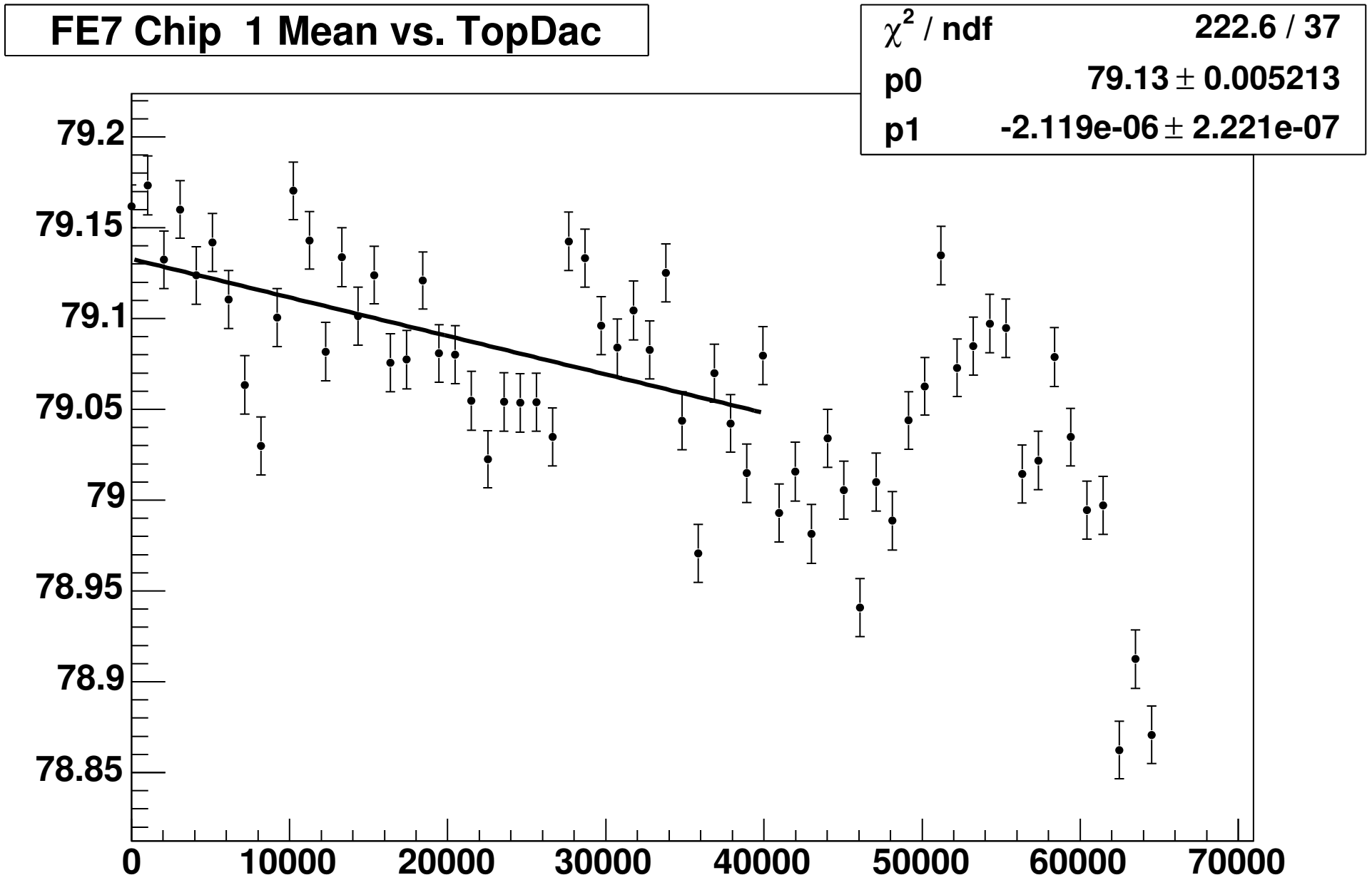
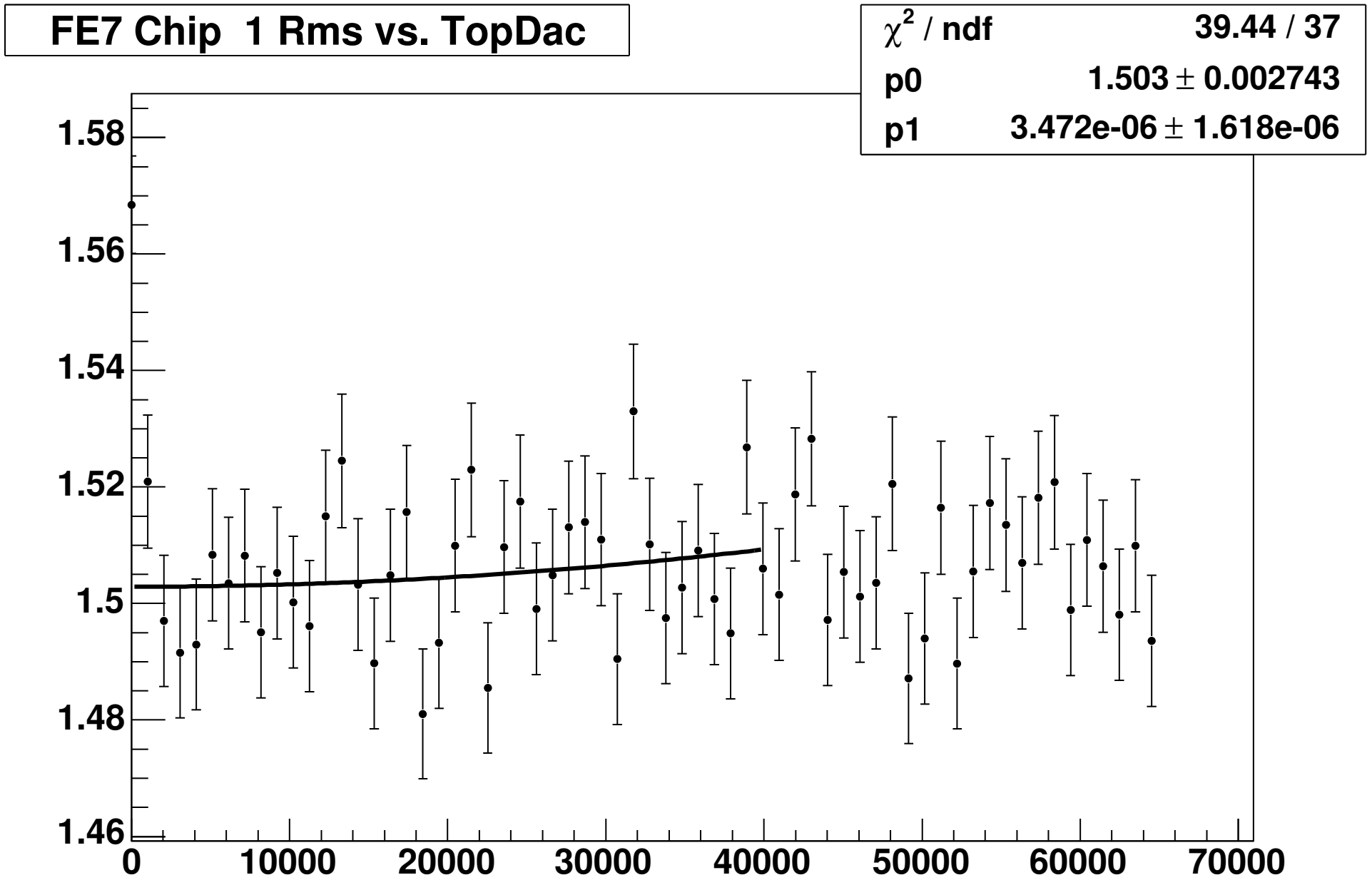
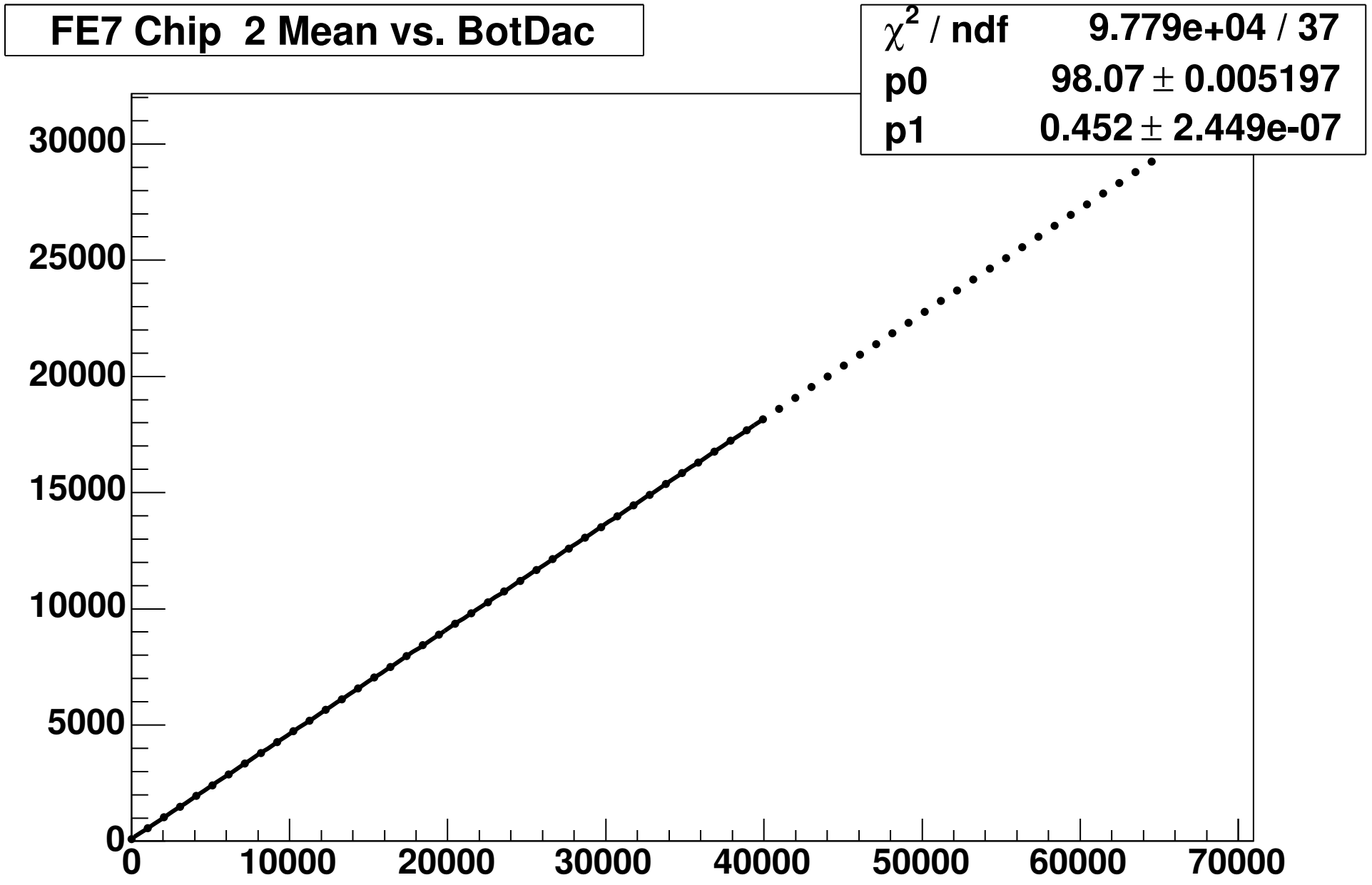
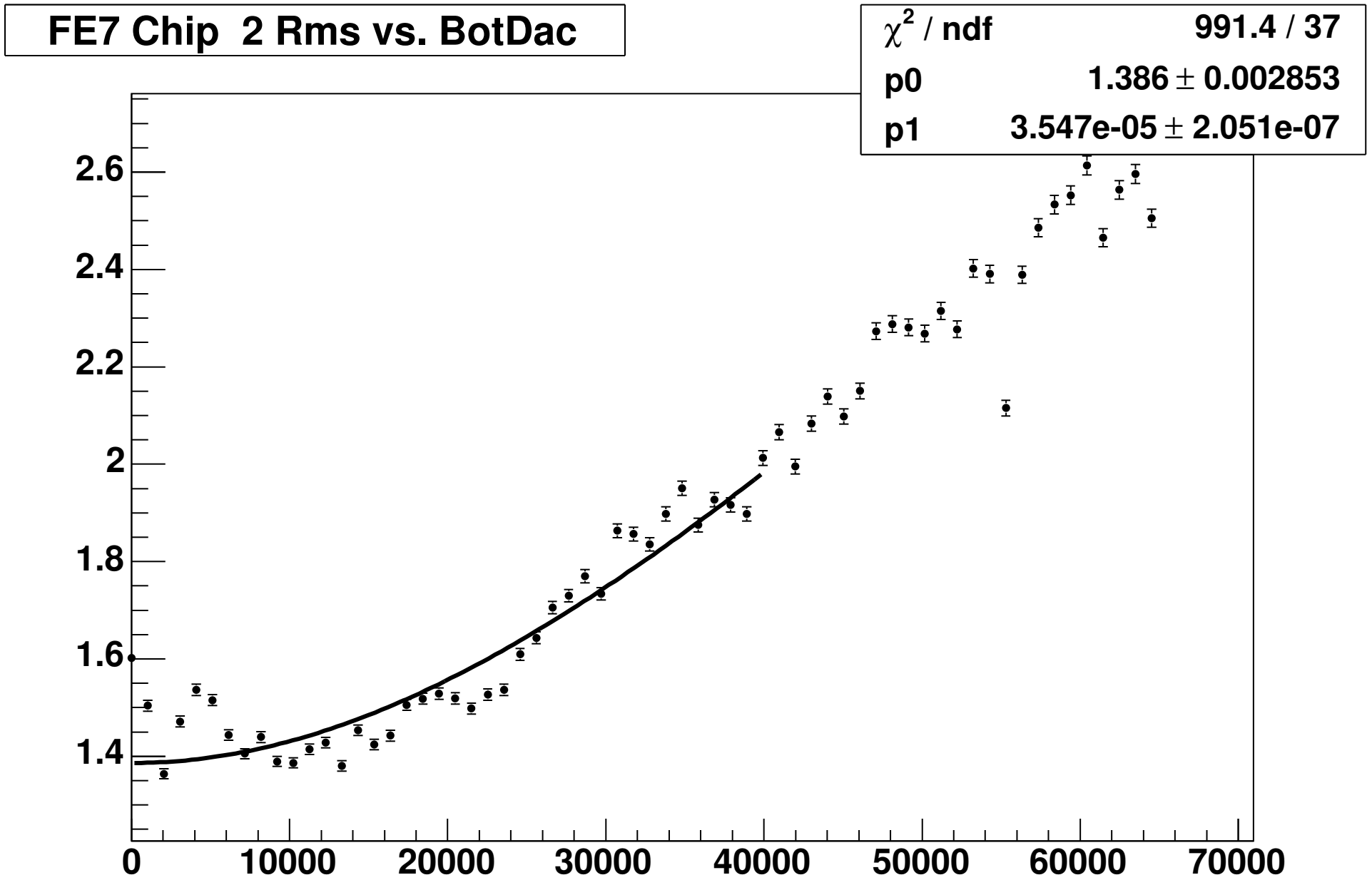
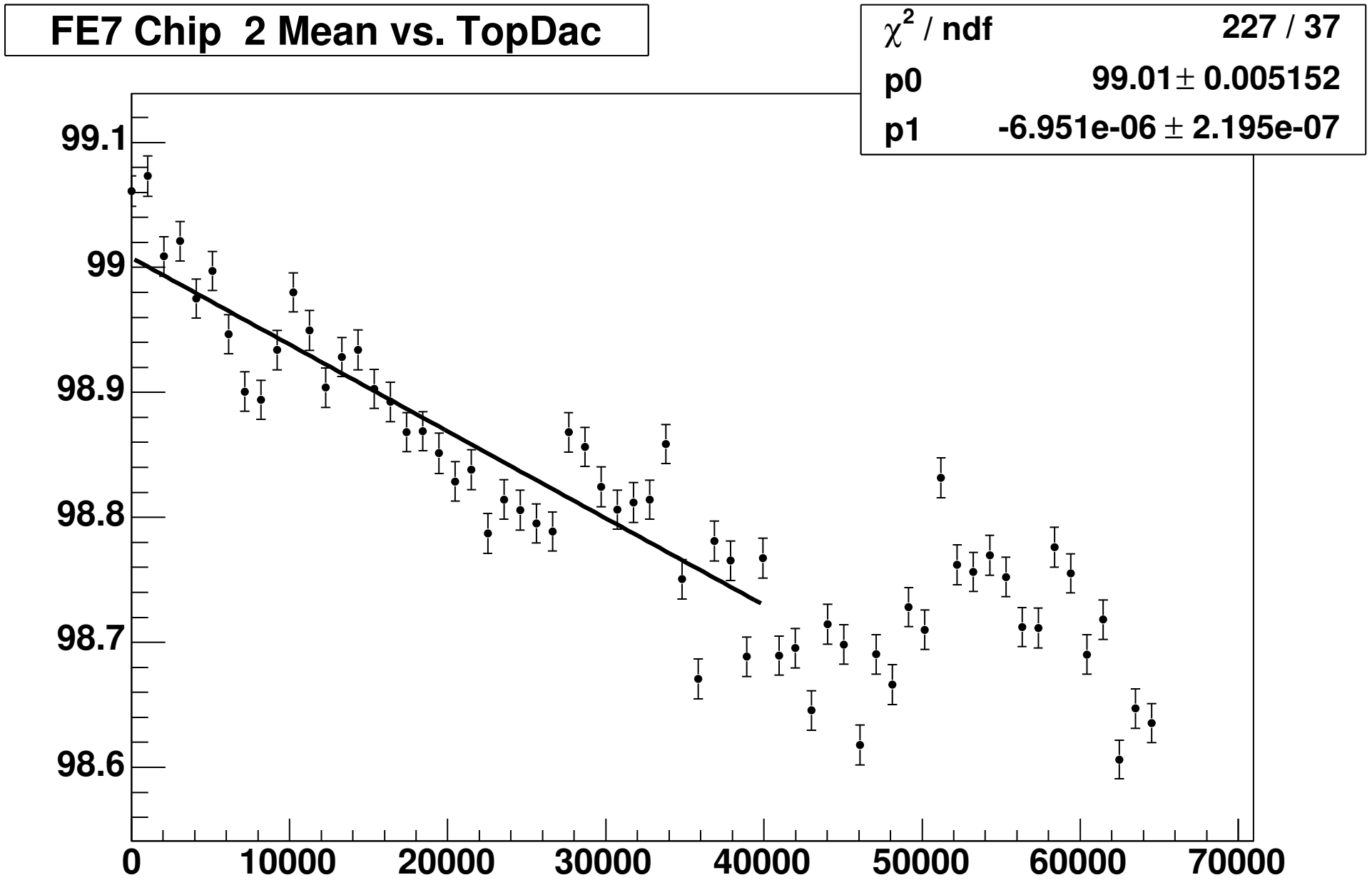
50000
60000
70000

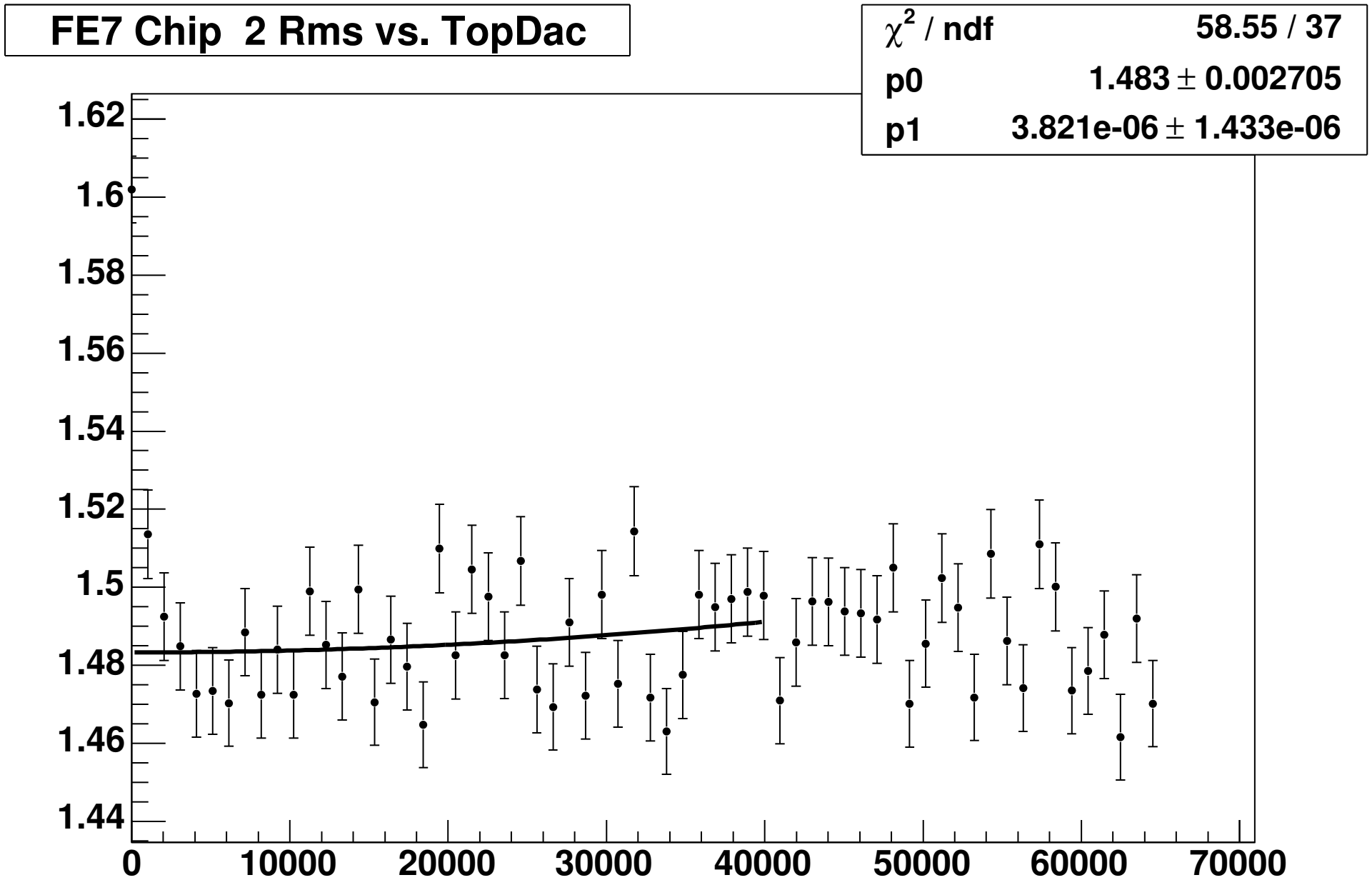

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 222.6 / 37
p0 79.13 ± 0.005213
p1 -2.119e-06 ± 2.221e-07
79.2
79.15
79.1
79.05
79
78.95
78.9
78.85
0
10000
20000
30000
40000
50000
60000
70000

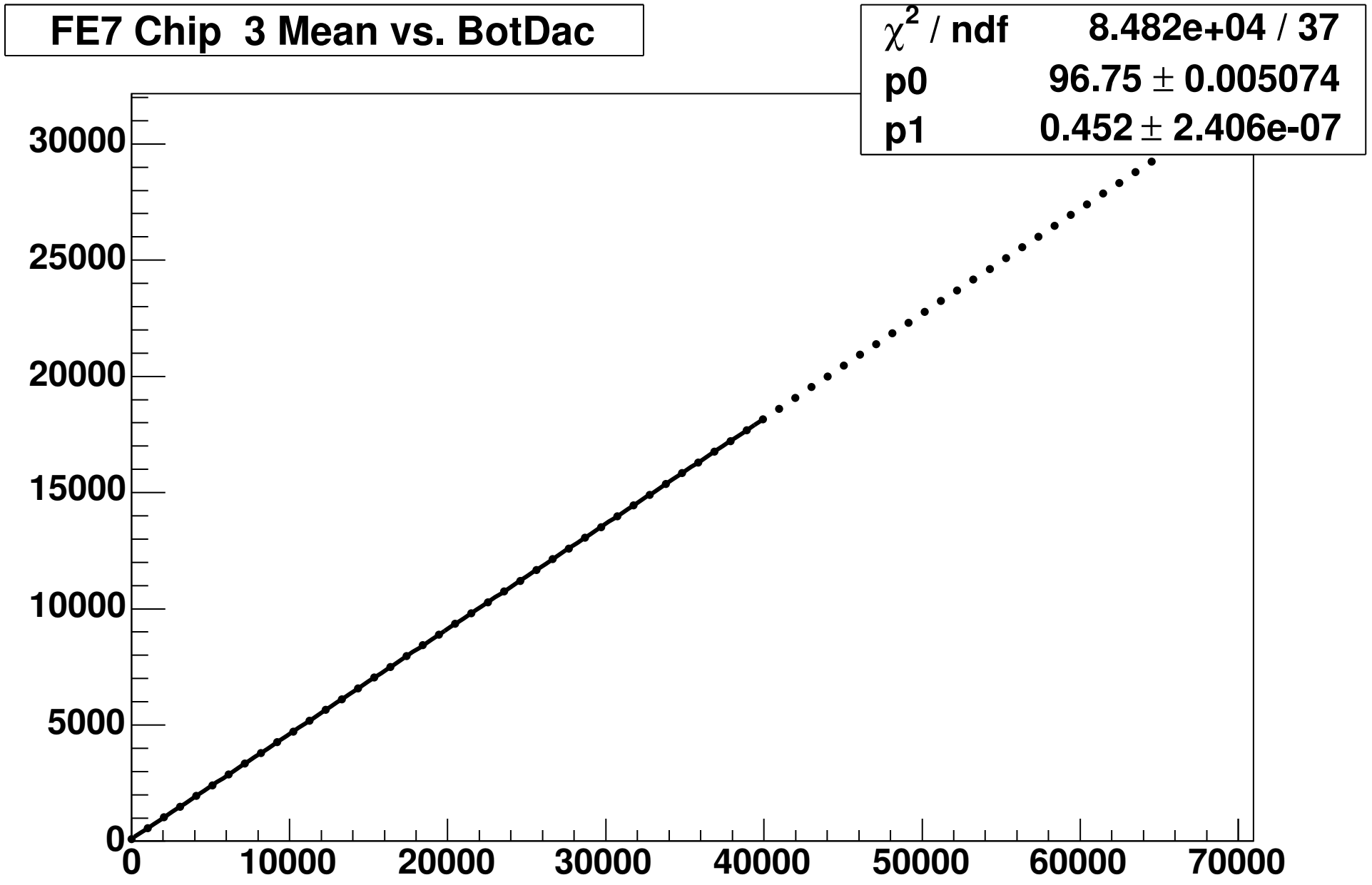

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 39.44 / 37
p0 1.503 ± 0.002743
p1 3.472e-06 ± 1.618e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

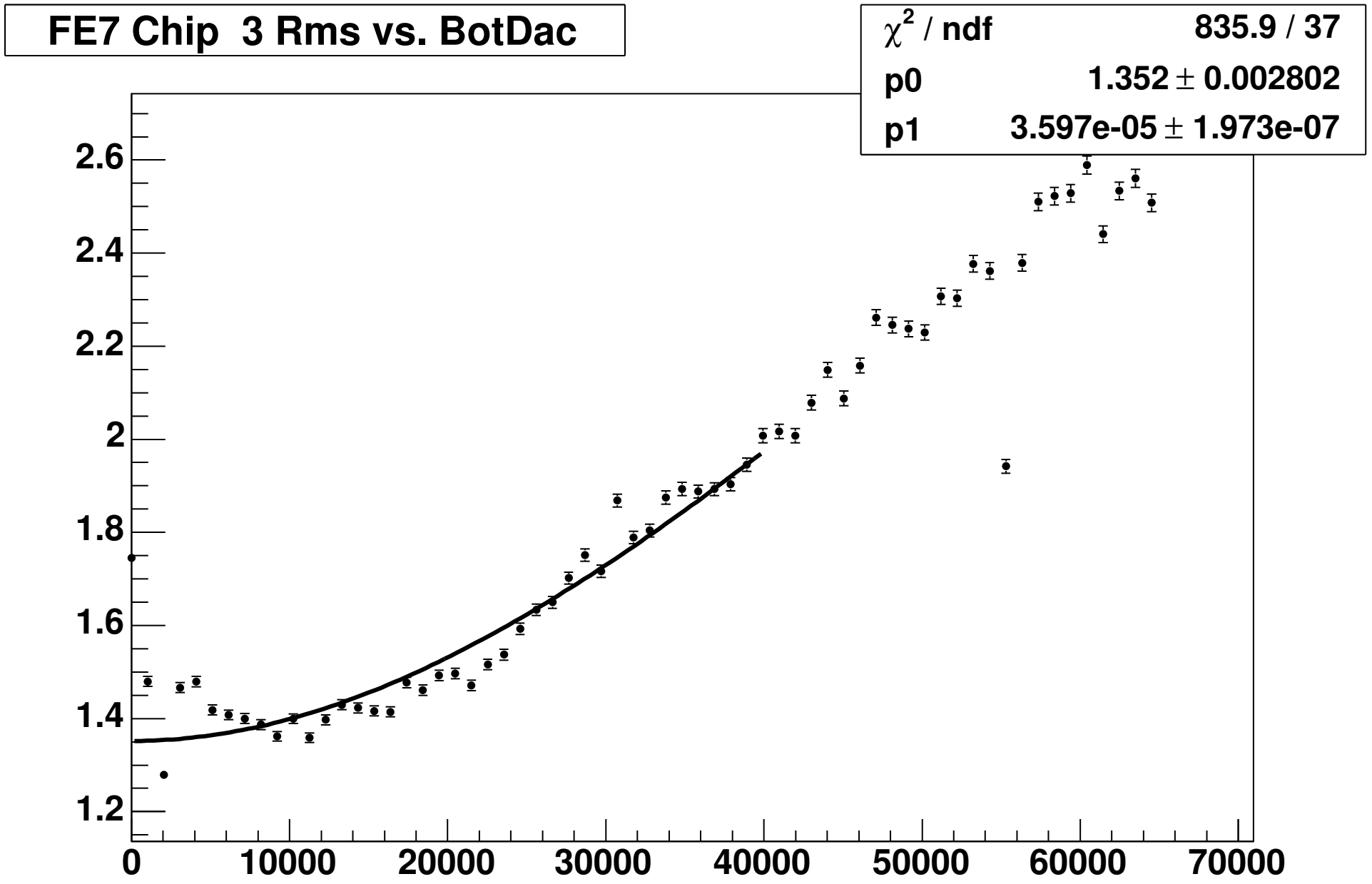

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 9.779e+04 / 37
p0 98.07 ± 0.005197
p1 0.452 ± 2.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

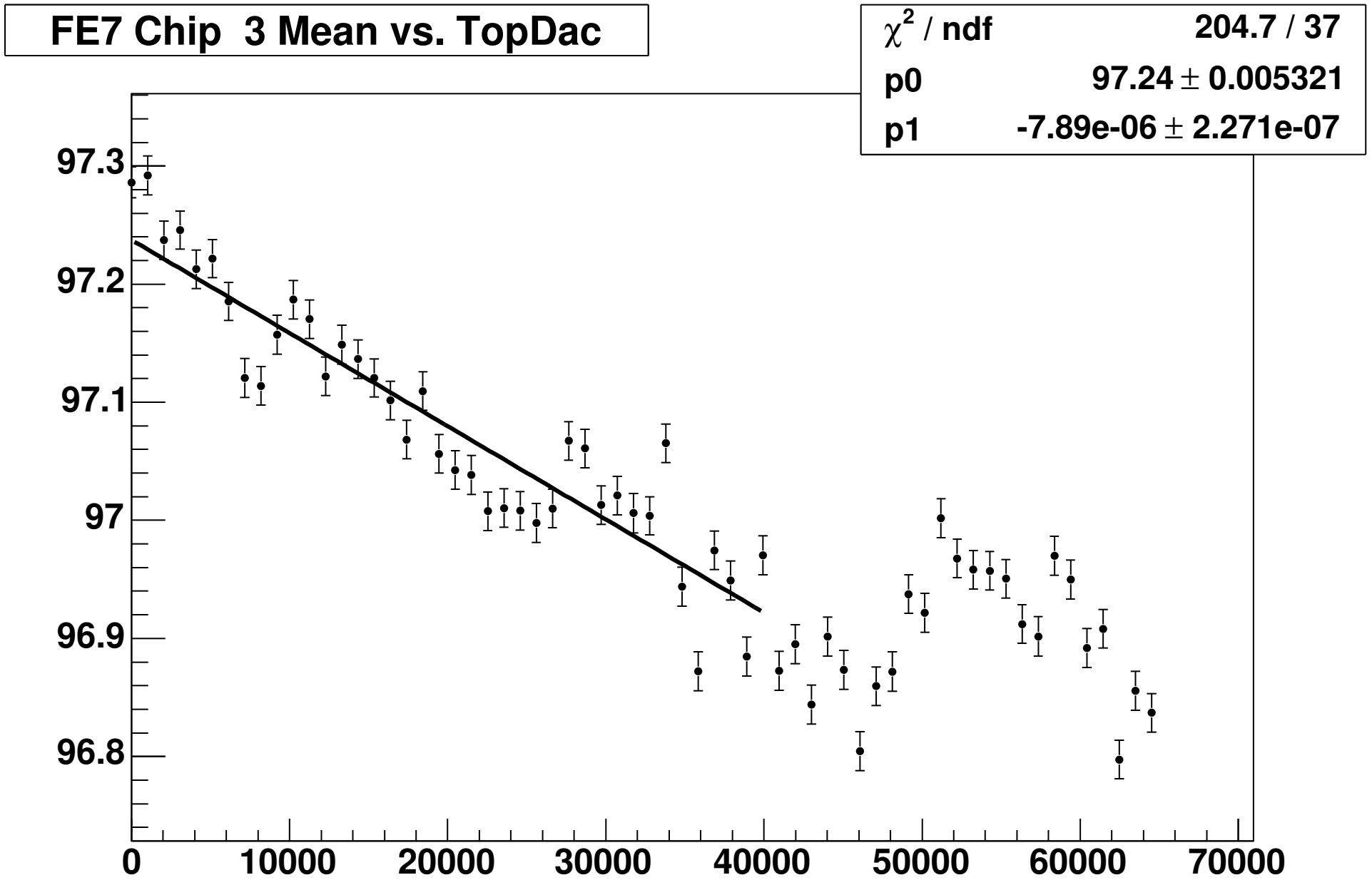

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 991.4 / 37
p0 1.386 ± 0.002853
p1 3.547e-05 ± 2.051e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

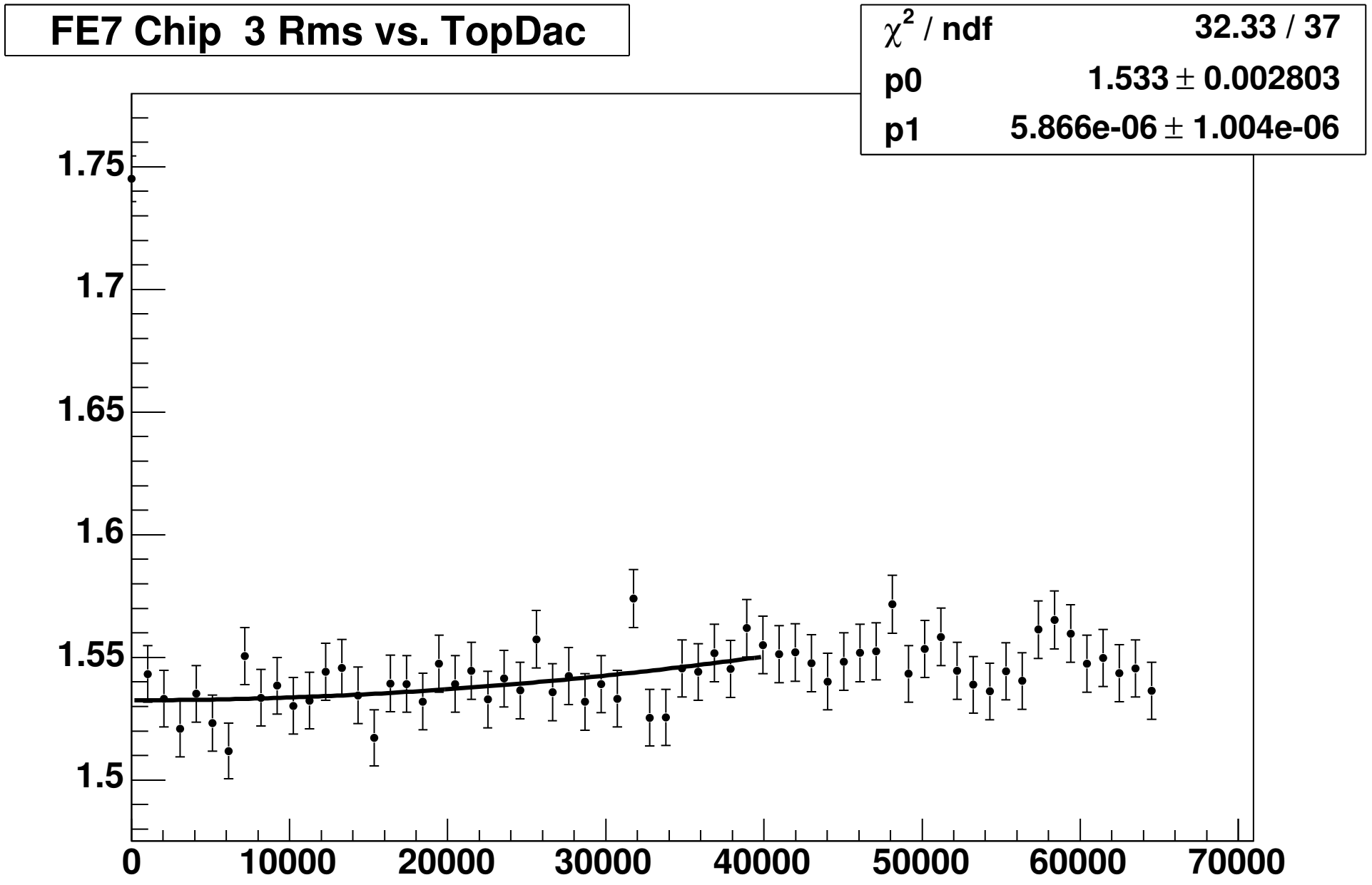

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 227 / 37
p0 99.01 ± 0.005152
p1 -6.951e-06 ± 2.195e-07
99.1
99
98.9
98.8
98.7
98.6
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 58.55 / 37
p0 1.483 ± 0.002705
p1 3.821e-06 ± 1.433e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 8.482e+04 / 37
p0 96.75 ± 0.005074
p1 0.452 ± 2.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 835.9 / 37
p0 1.352 ± 0.002802
p1 3.597e-05 ± 1.973e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 204.7 / 37
p0 97.24 ± 0.005321
p1 -7.89e-06 ± 2.271e-07
97.3
97.2
97.1
97
96.9
96.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 32.33 / 37
p0 1.533 ± 0.002803
p1 5.866e-06 ± 1.004e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
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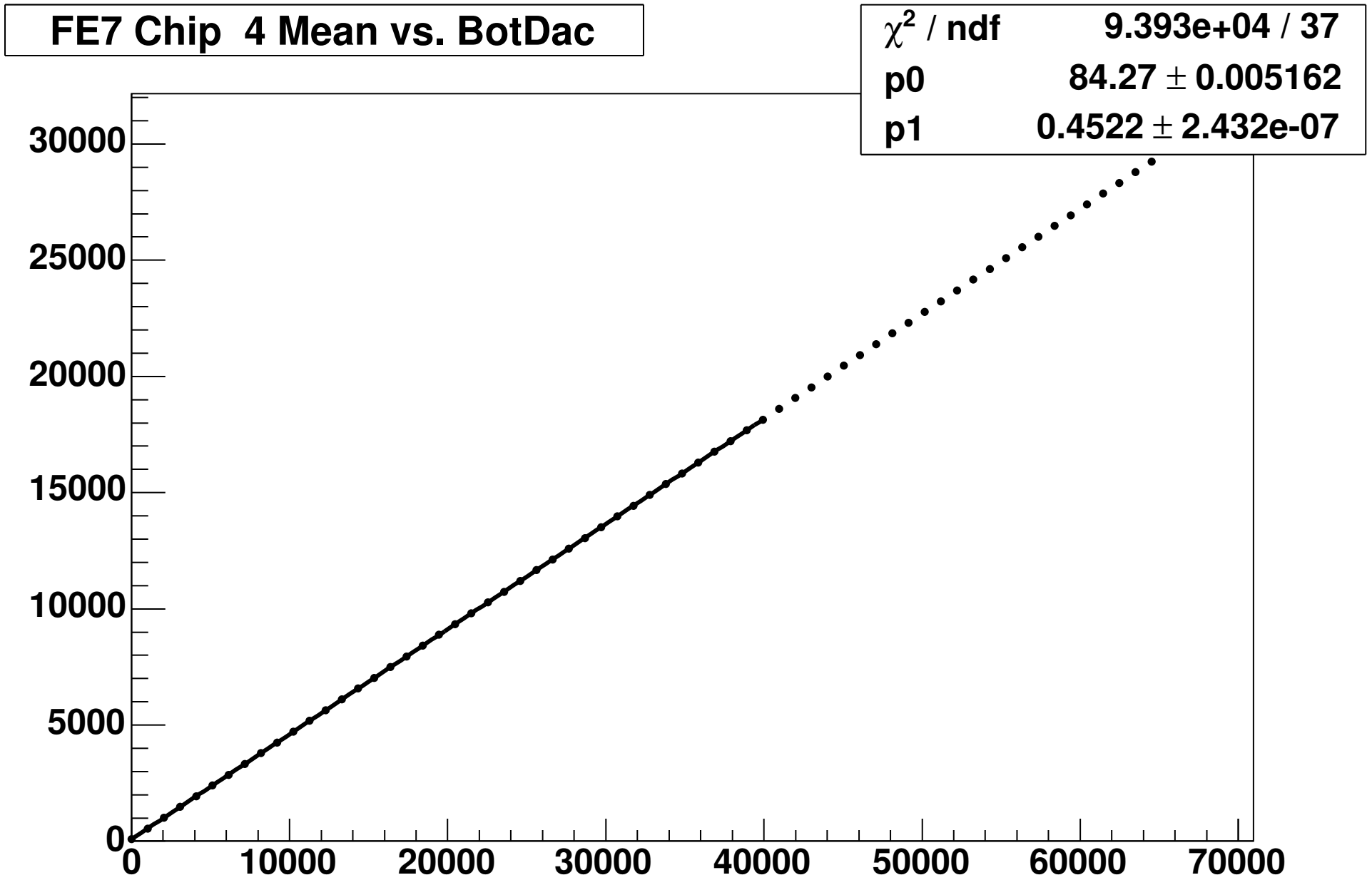
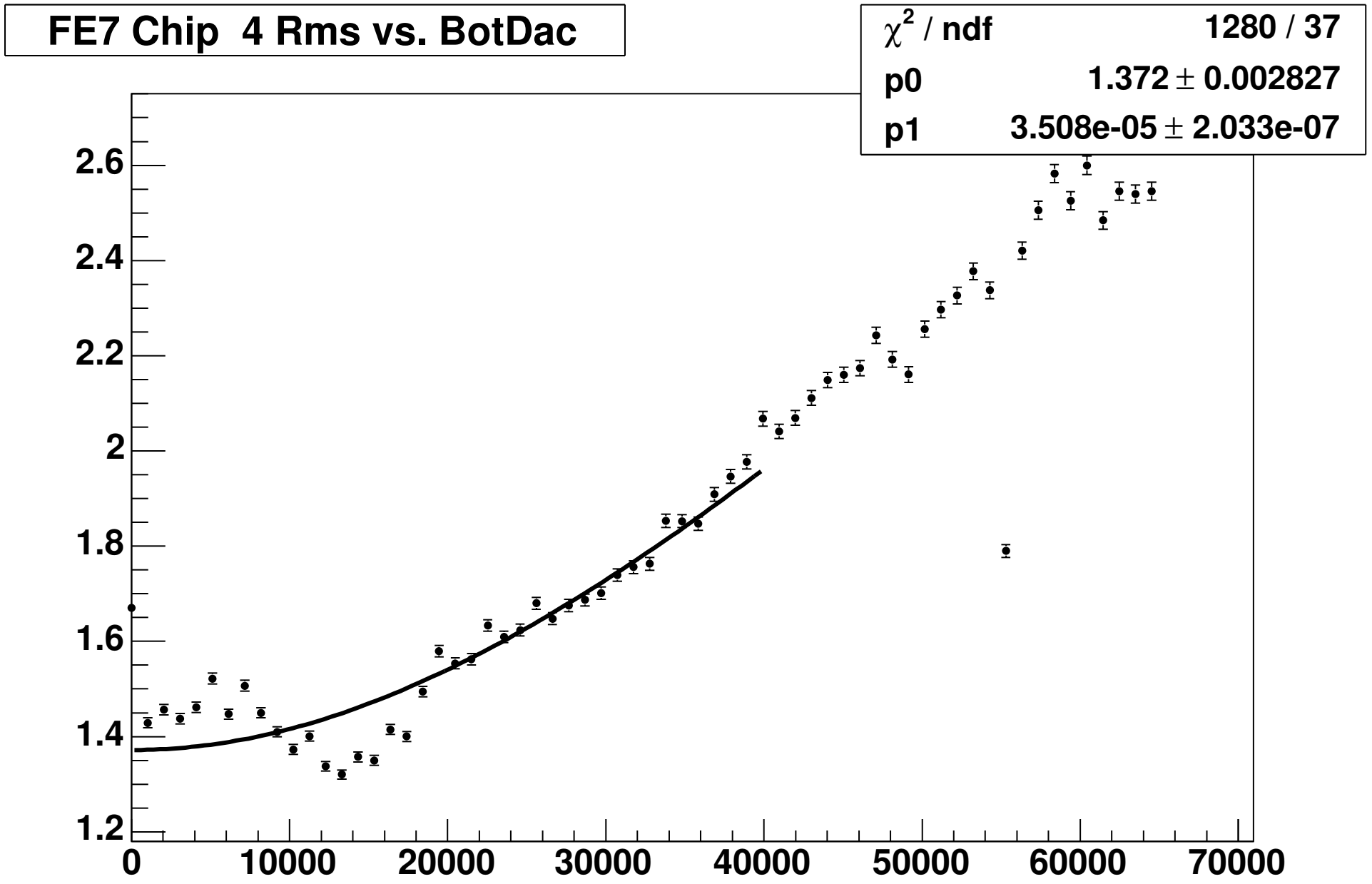
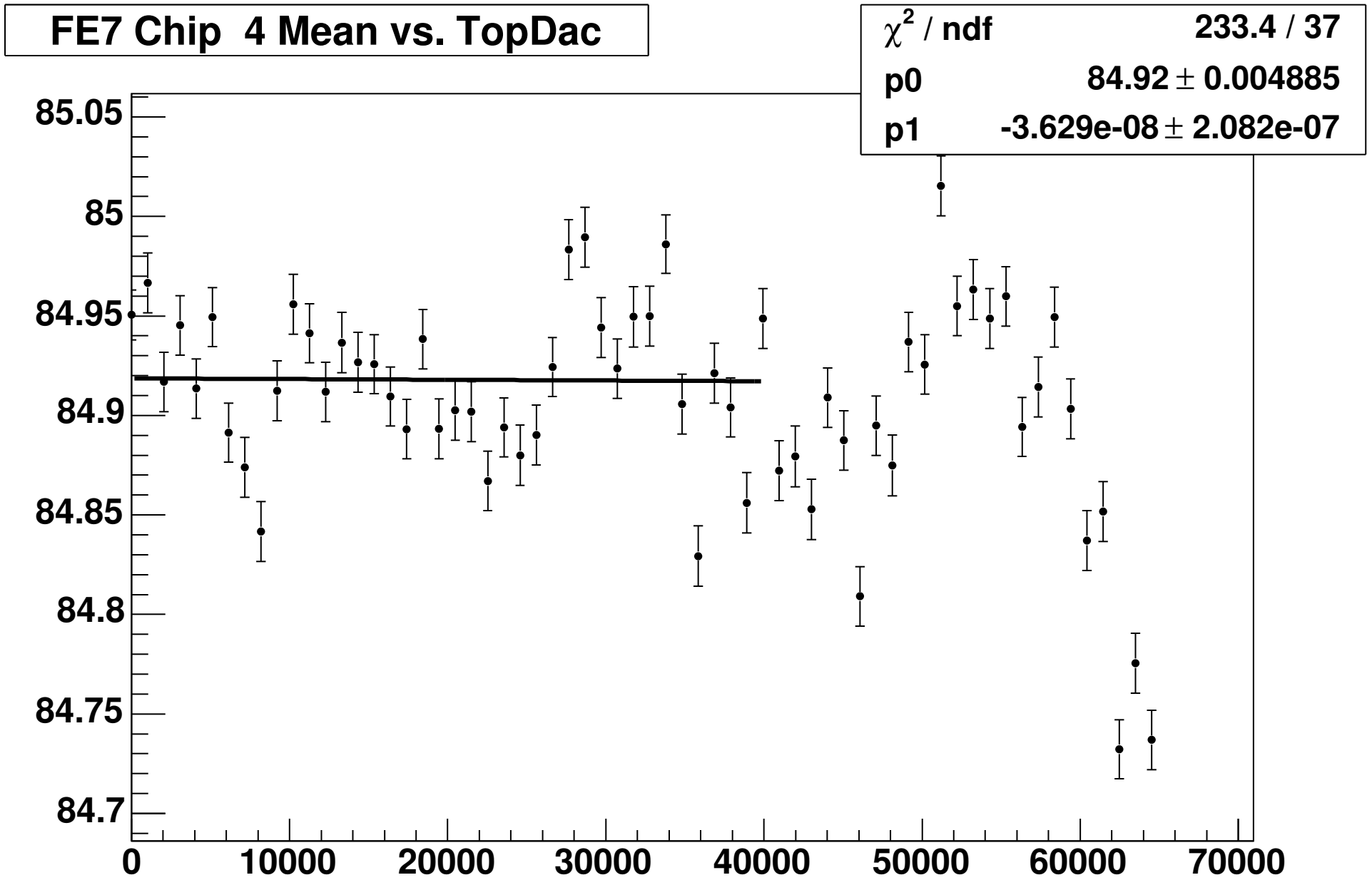
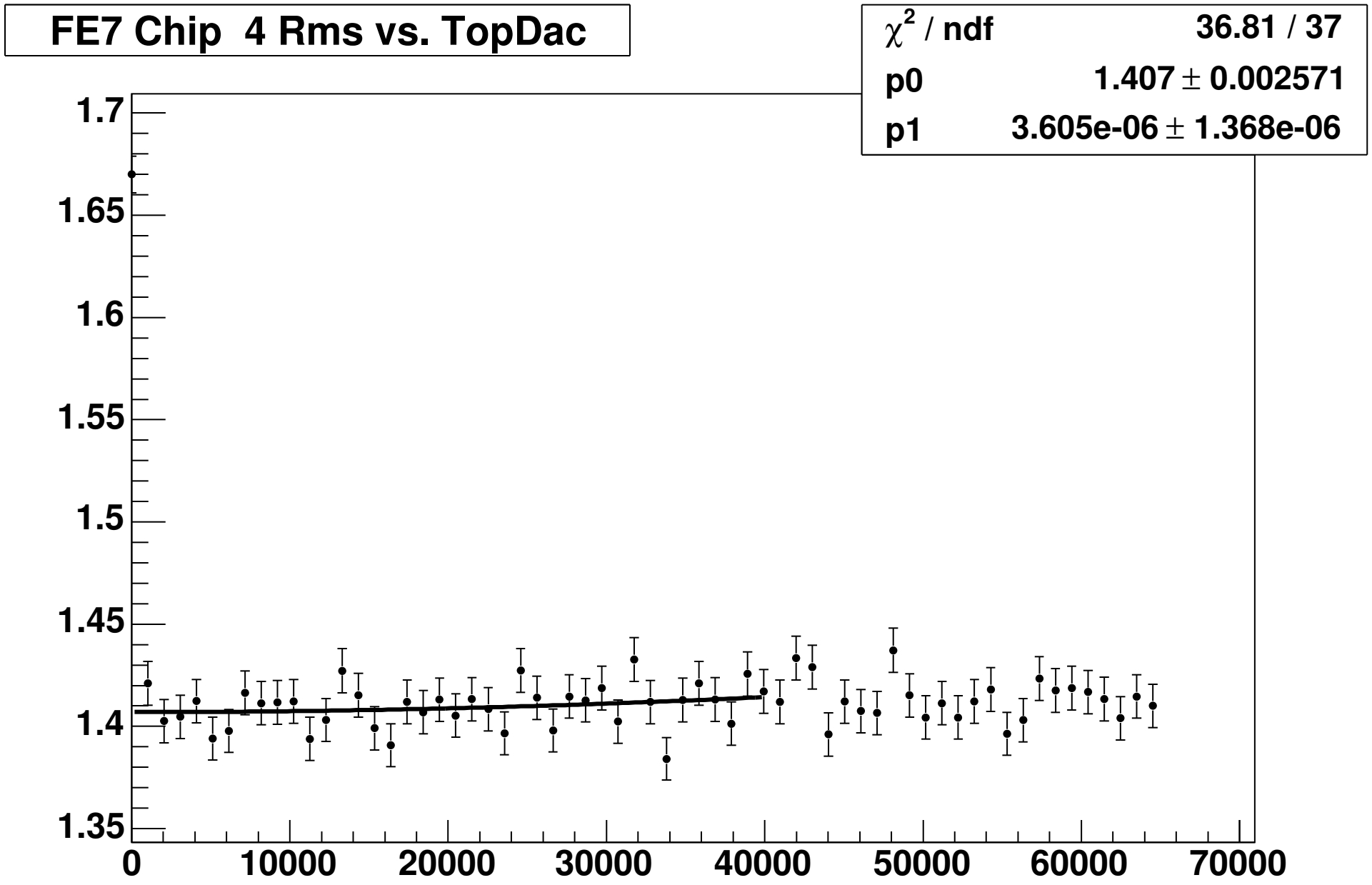
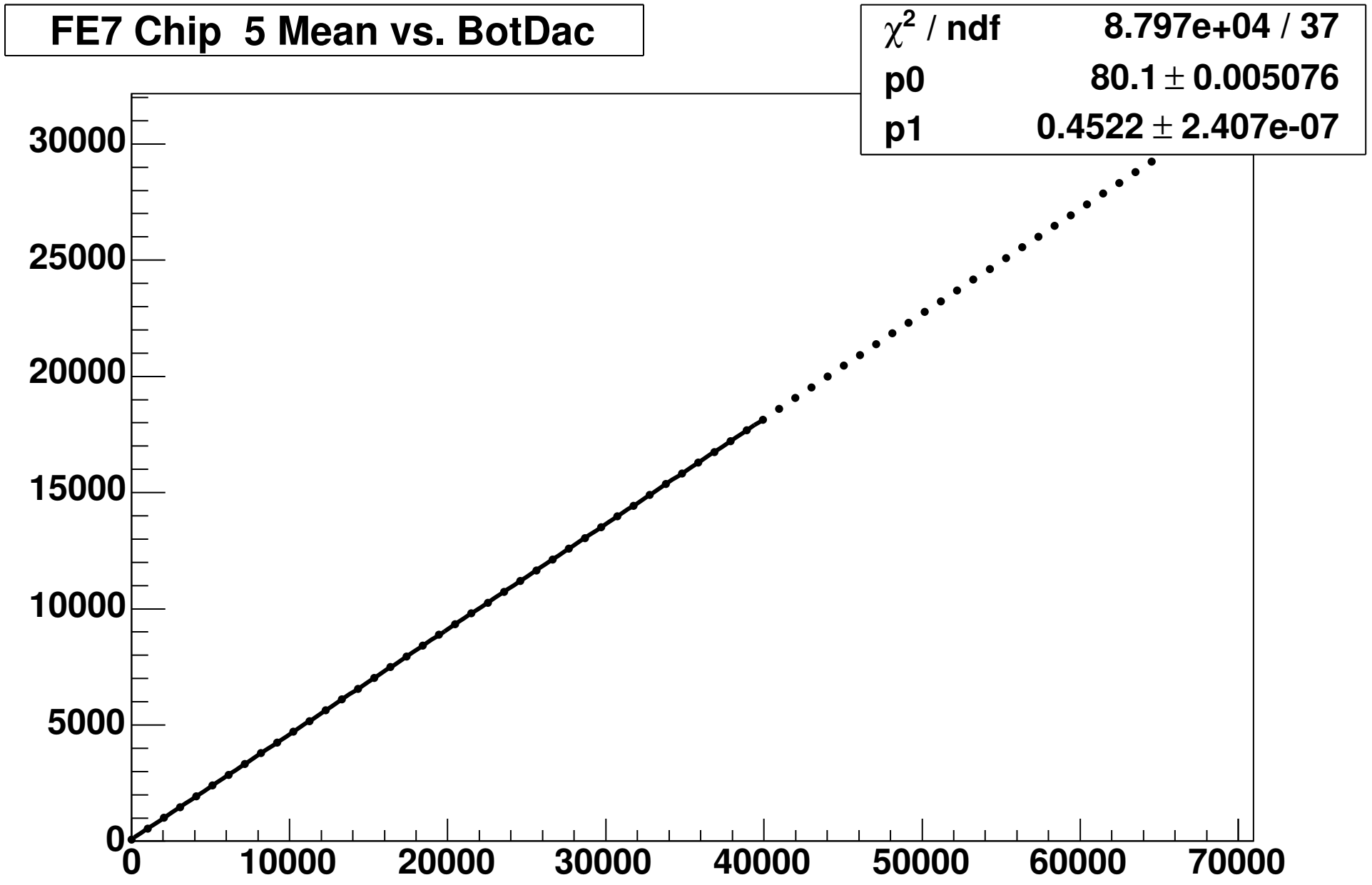
60000
70000

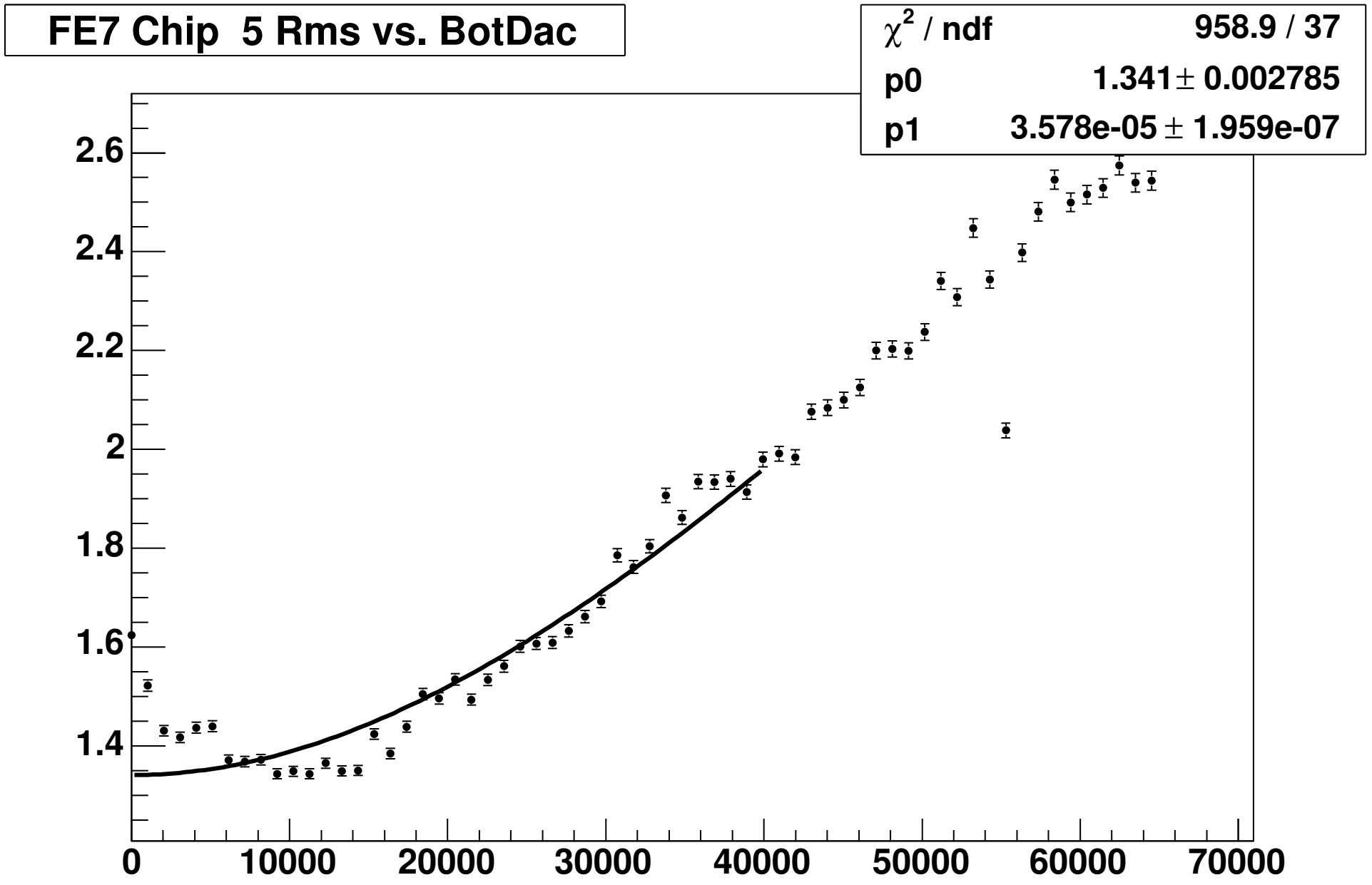

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 9.393e+04 / 37
p0 84.27 ± 0.005162
p1 0.4522 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

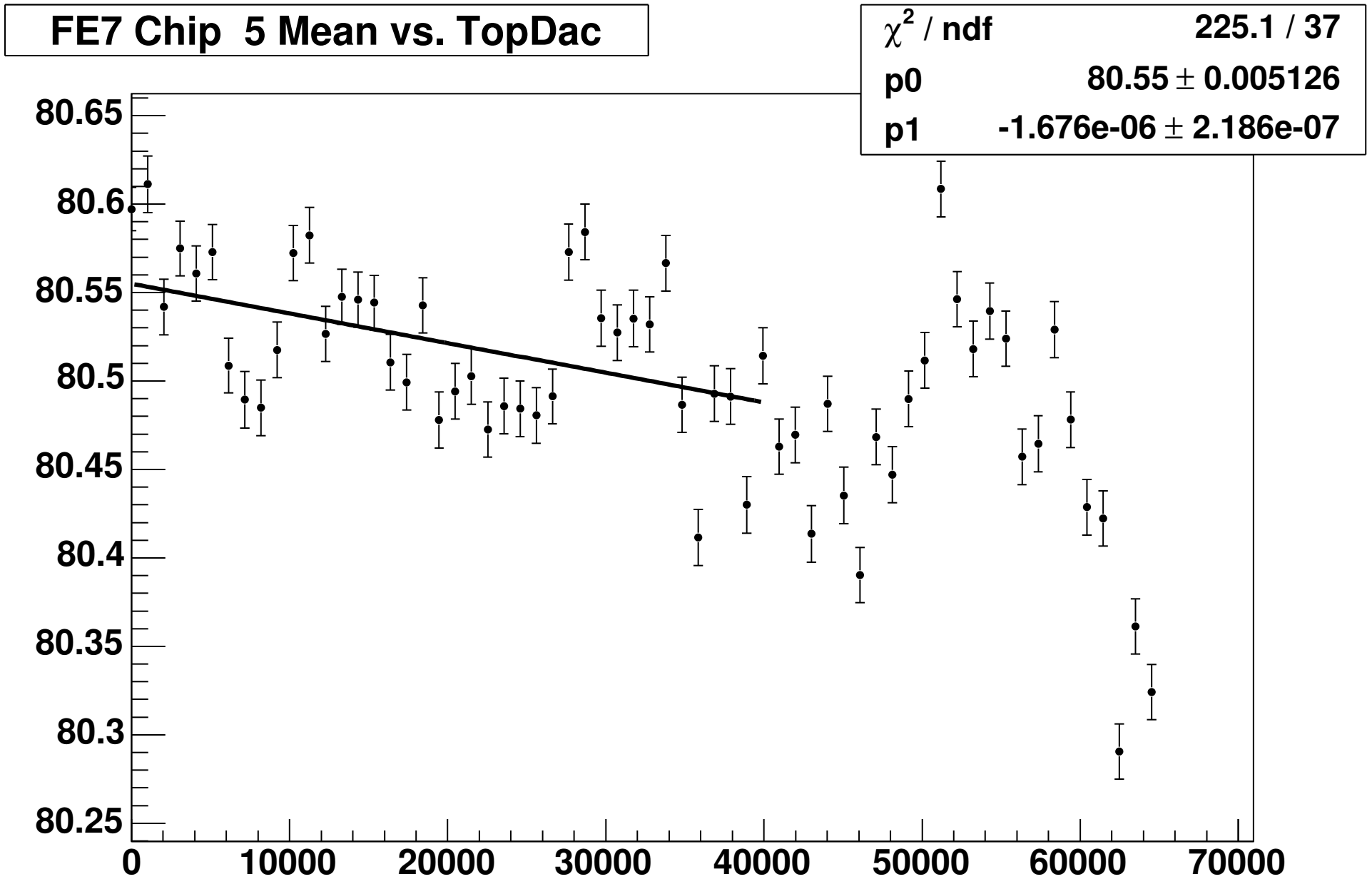

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 1280 / 37
p0 1.372 ± 0.002827
p1 3.508e-05 ± 2.033e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

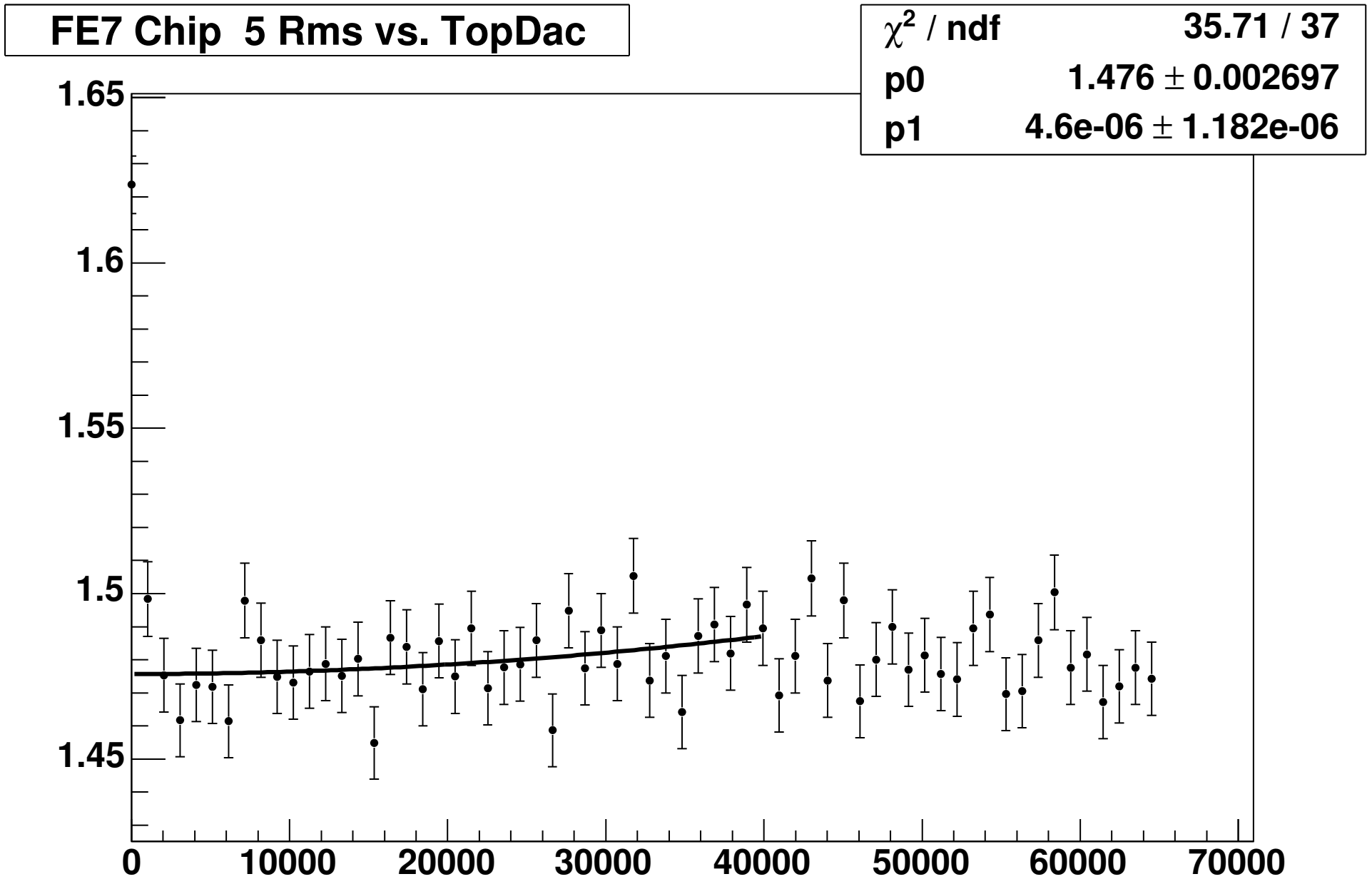

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 233.4 / 37
p0 84.92 ± 0.004885
p1 -3.629e-08 ± 2.082e-07
85.05
85
84.95
84.9
84.85
84.8
84.75
84.7
0
10000
20000
30000
40000
50000
60000
70000

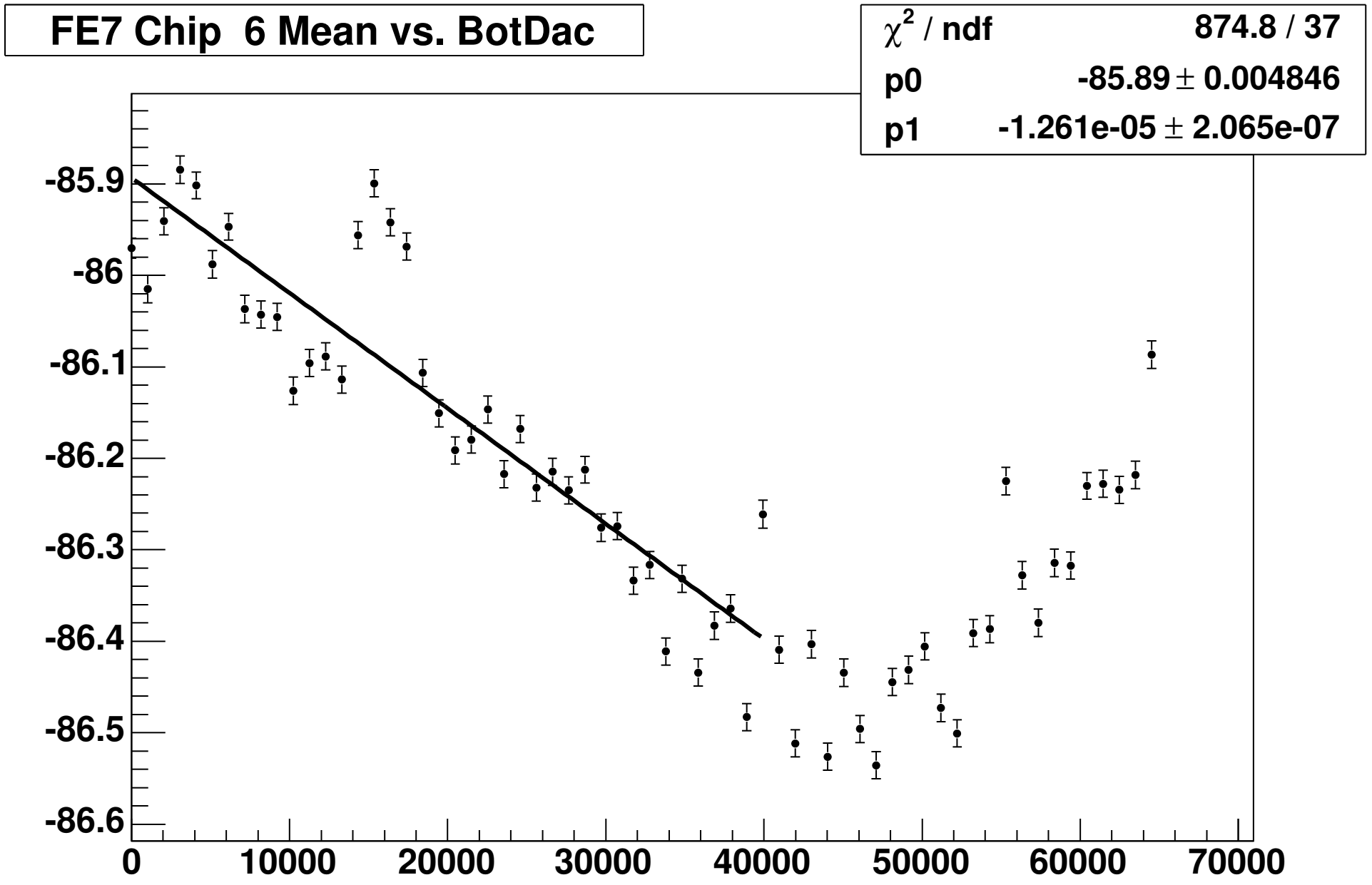

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 36.81 / 37
p0 1.407 ± 0.002571
p1 3.605e-06 ± 1.368e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
1.35
0
10000
20000
30000
40000
50000
60000
70000

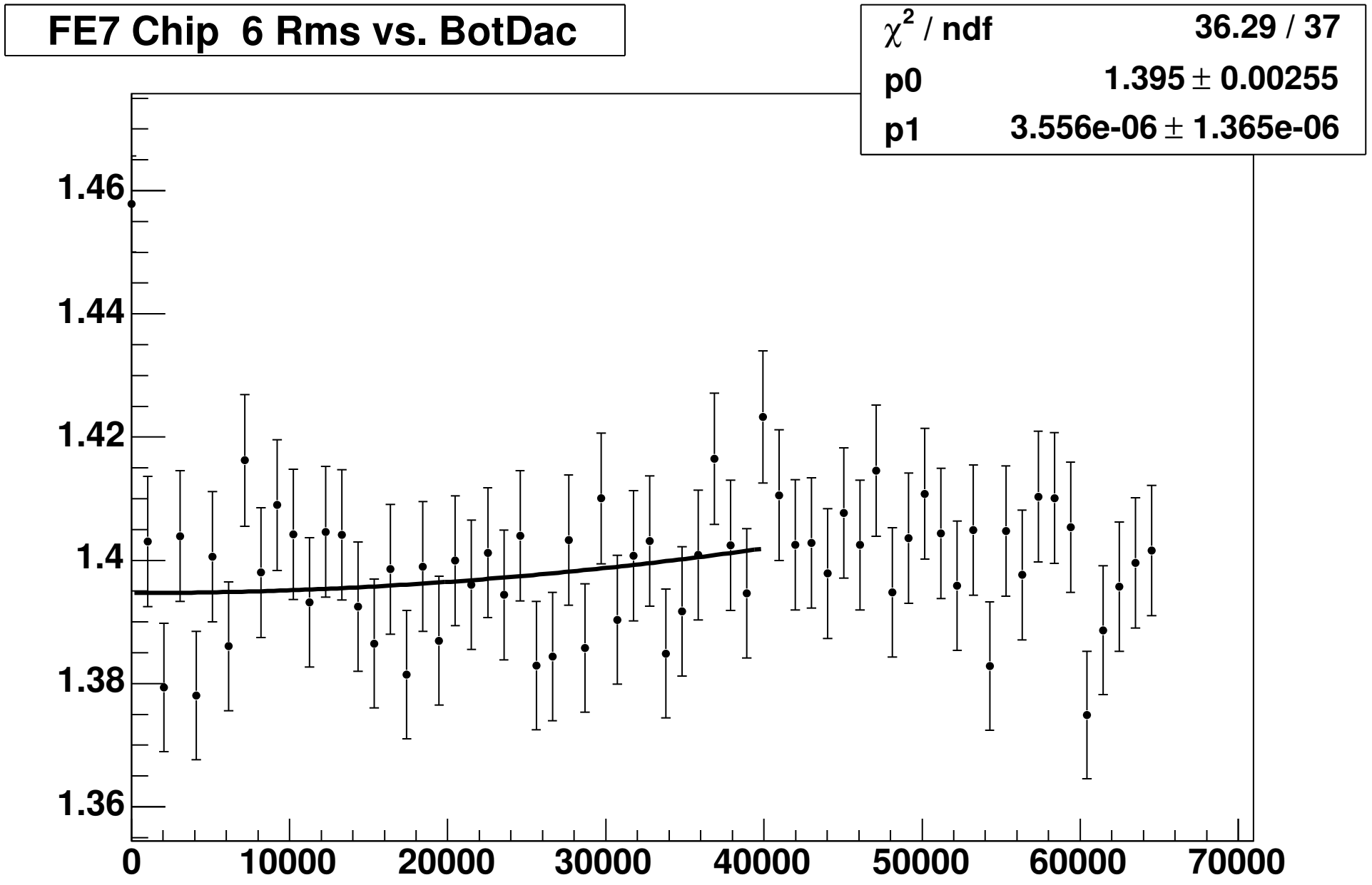

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 8.797e+04 / 37
p0 80.1 ± 0.005076
p1 0.4522 ± 2.407e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

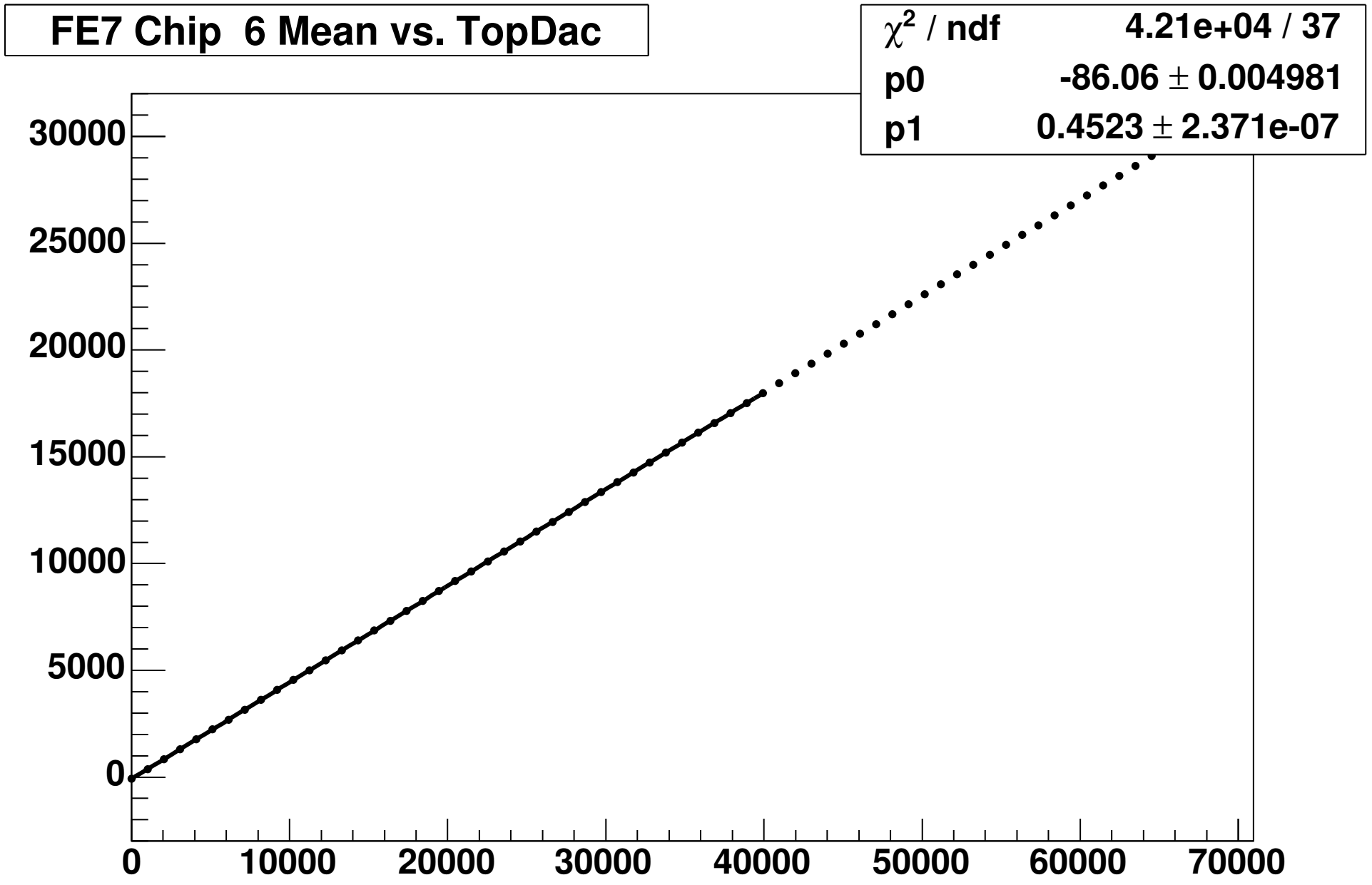

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 958.9 / 37
p0 1.341 ± 0.002785
p1 3.578e-05 ± 1.959e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

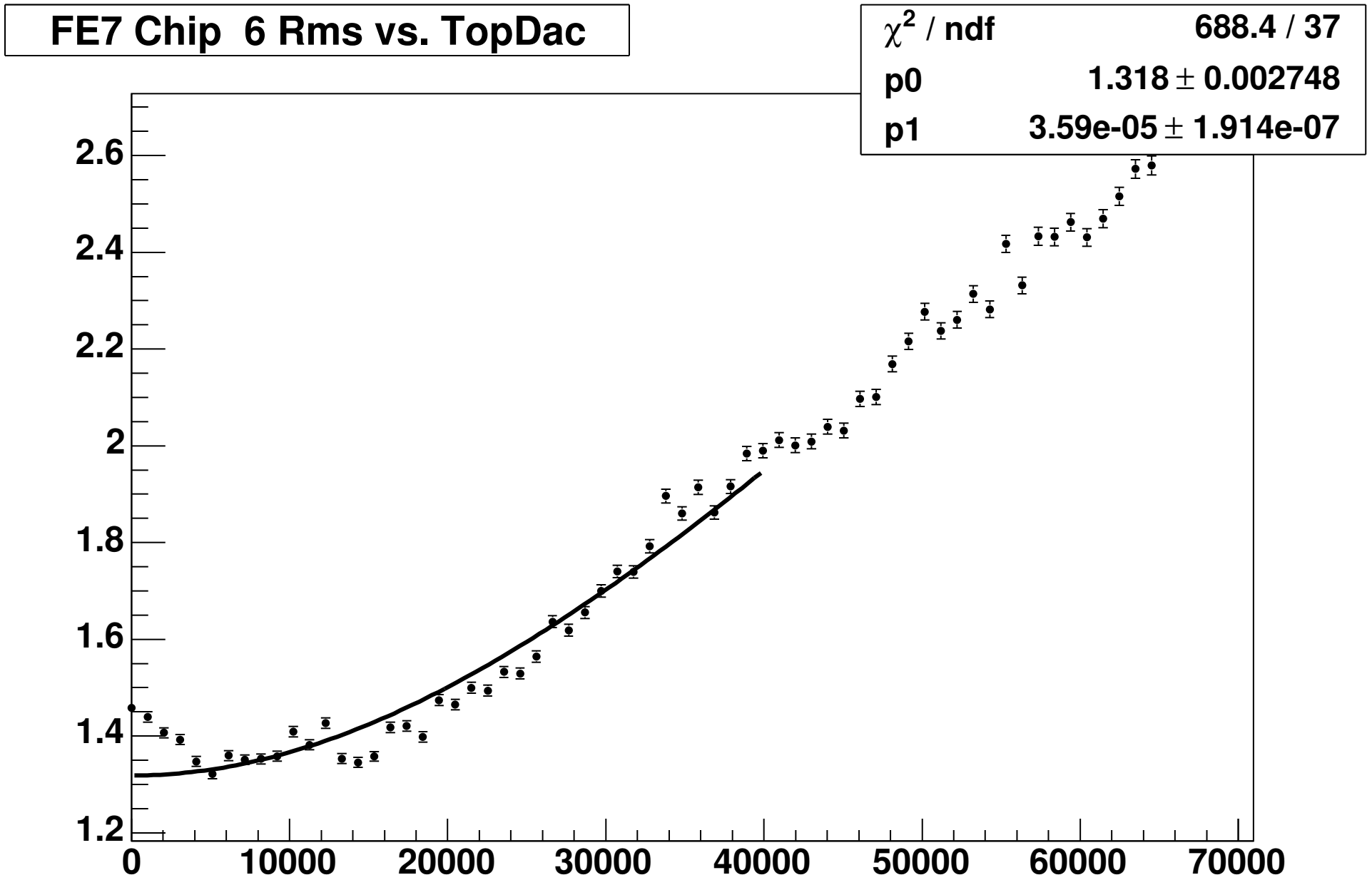

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 225.1 / 37
p0 80.55 ± 0.005126
p1 -1.676e-06 ± 2.186e-07
80.65
80.6
80.55
80.5
80.45
80.4
80.35
80.3
80.25
0
10000
20000
30000
40000
50000
60000
70000

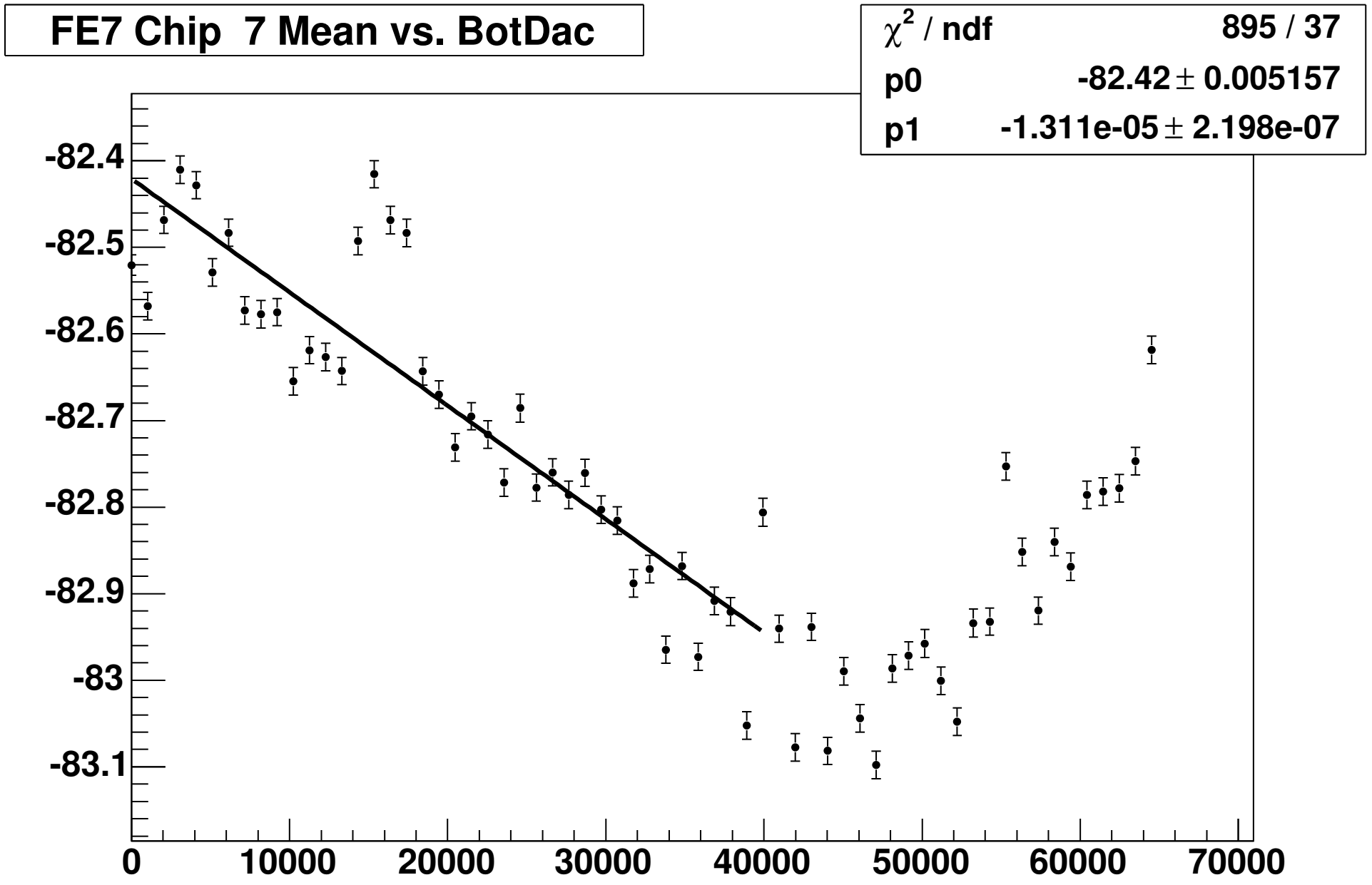

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 35.71 / 37
p0 1.476 ± 0.002697
p1 4.6e-06 ± 1.182e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

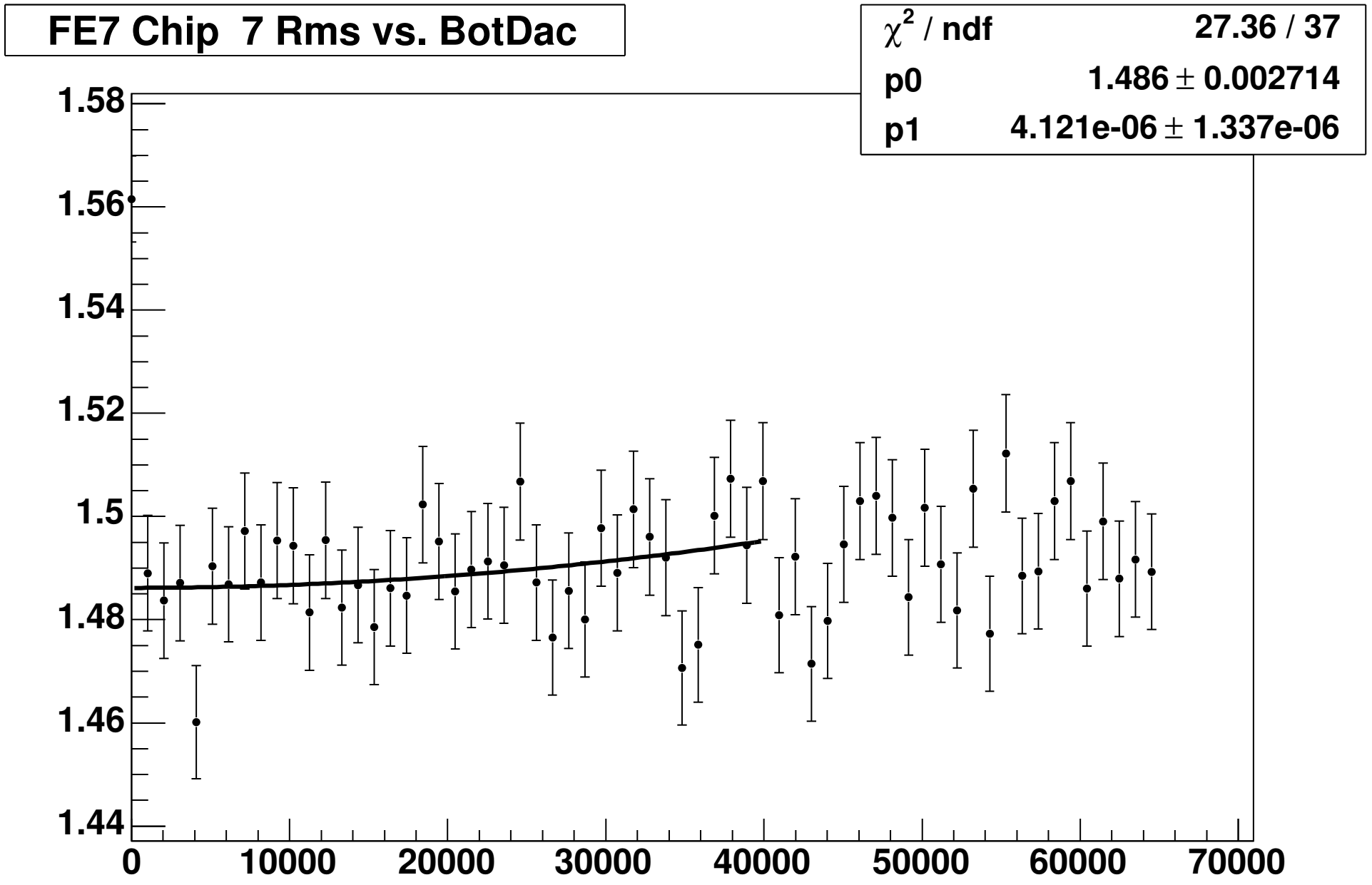

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 874.8 / 37
p0 -85.89 ± 0.004846
p1 -1.261e-05 ± 2.065e-07
-85.9
-86
-86.1
-86.2
-86.3
-86.4
-86.5
-86.6
0
10000
20000
30000
40000
50000
60000
70000

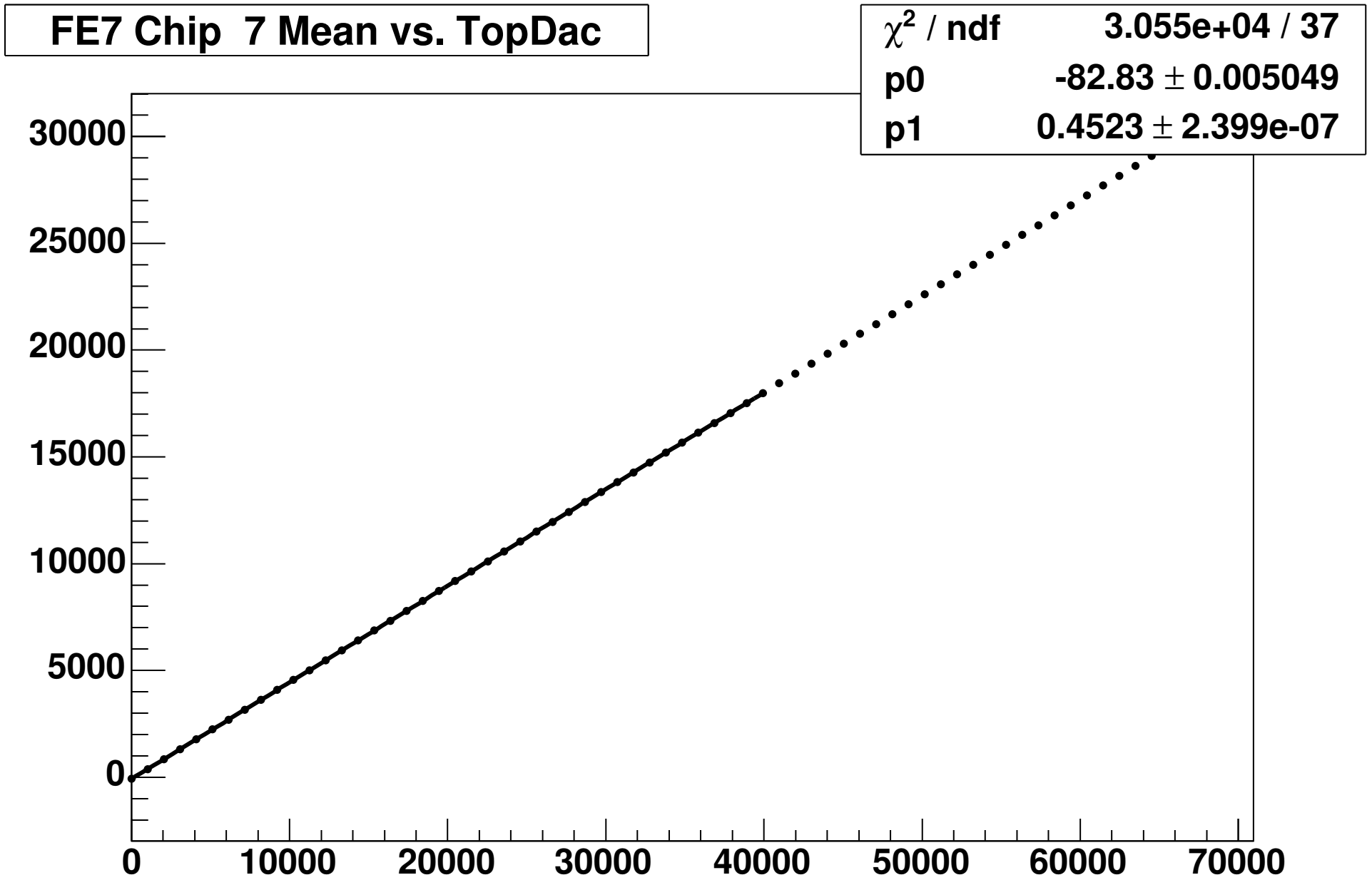

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 36.29 / 37
p0 1.395 ± 0.00255
p1 3.556e-06 ± 1.365e-06
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
70000

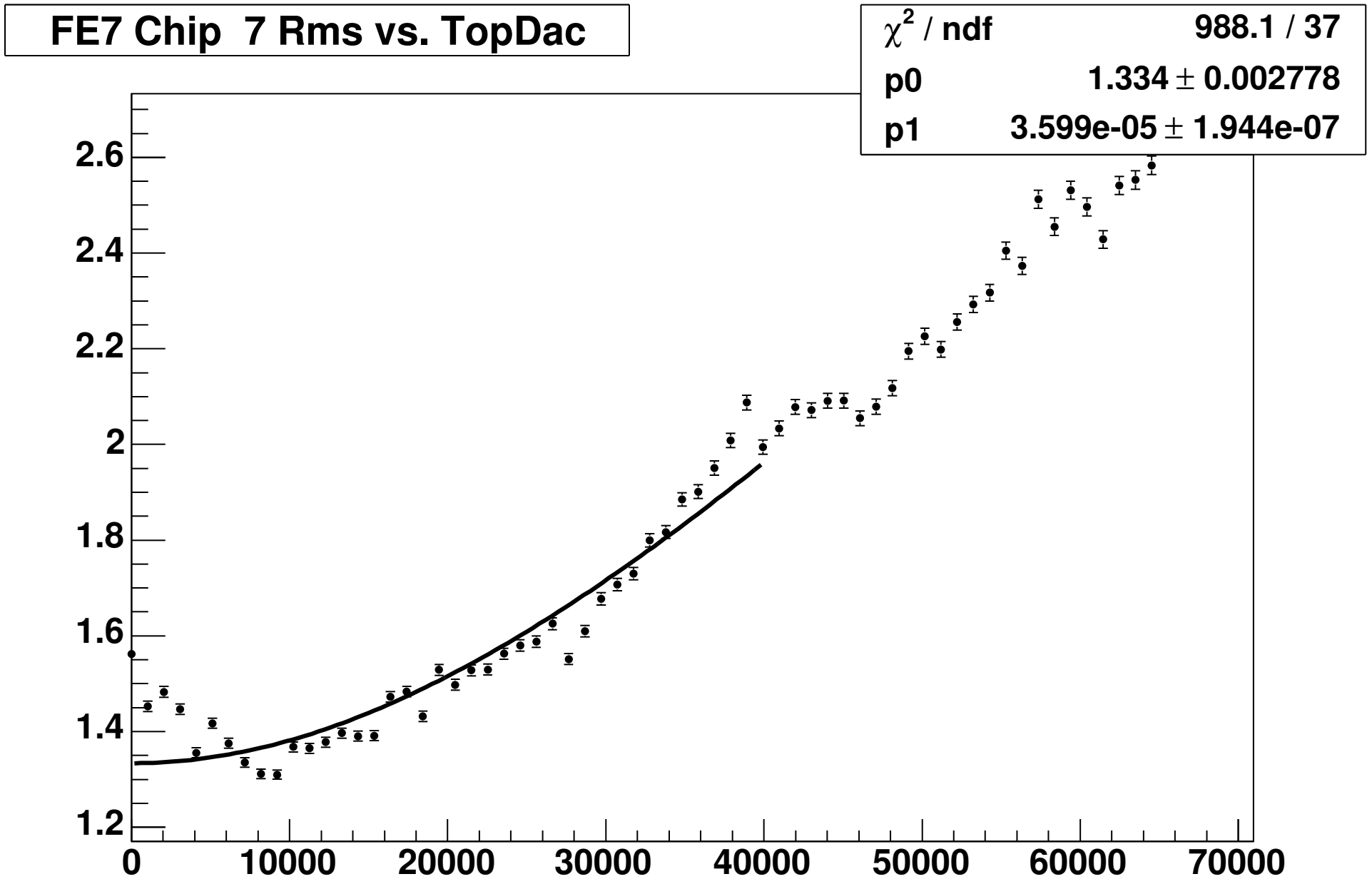

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 4.21e+04 / 37
p0 -86.06 ± 0.004981
p1 0.4523 ± 2.371e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

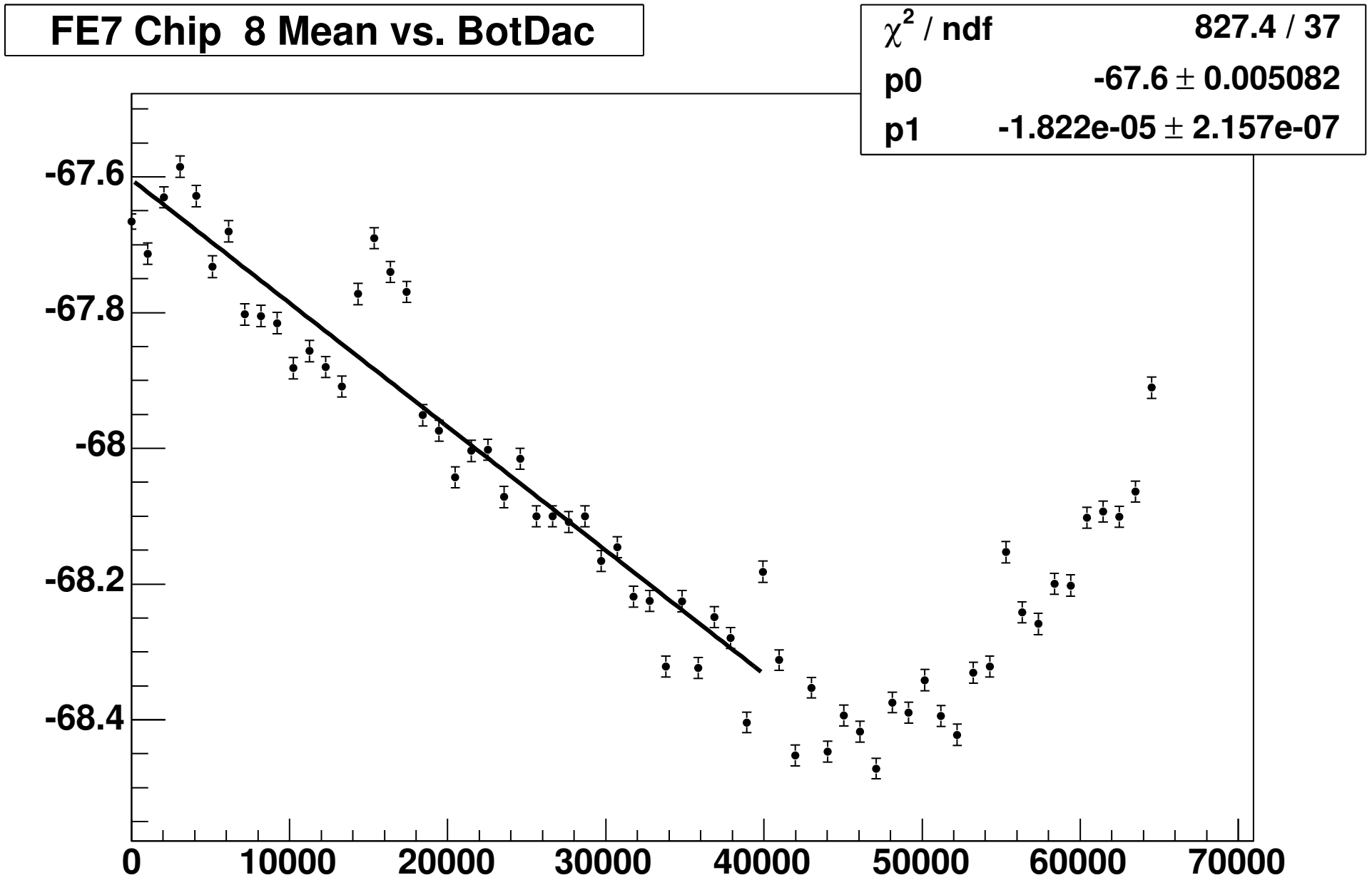

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 688.4 / 37
p0 1.318 ± 0.002748
p1 3.59e-05 ± 1.914e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

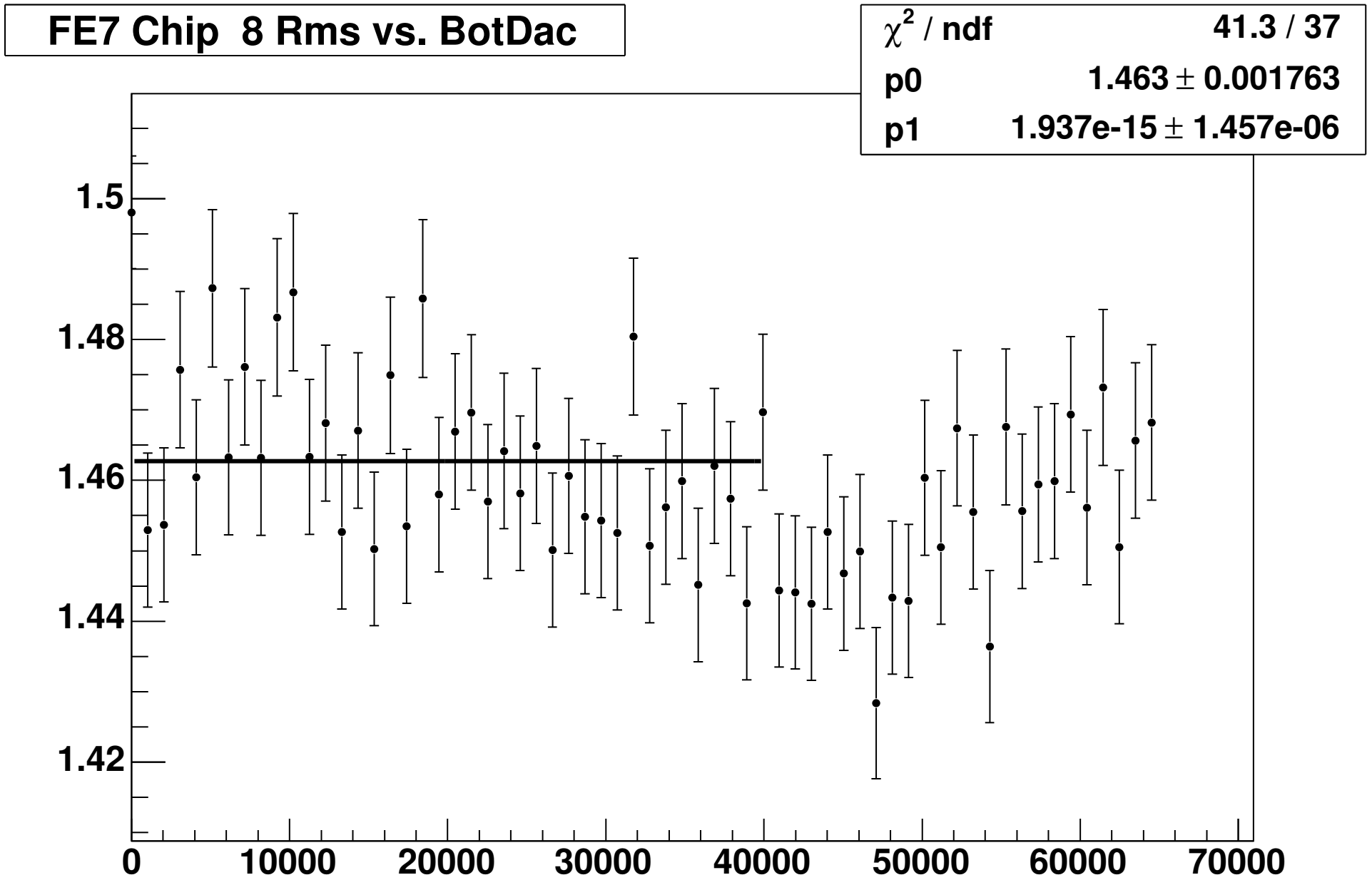

FE7 Chip 7 Mean vs. BotDac
χ^2 / ndf 895 / 37
p0 -82.42 ± 0.005157
p1 -1.311e-05 ± 2.198e-07
-82.4
-82.5
-82.6
-82.7
-82.8
-82.9
-83
-83.1
0
10000
20000
30000
40000
50000
60000
70000

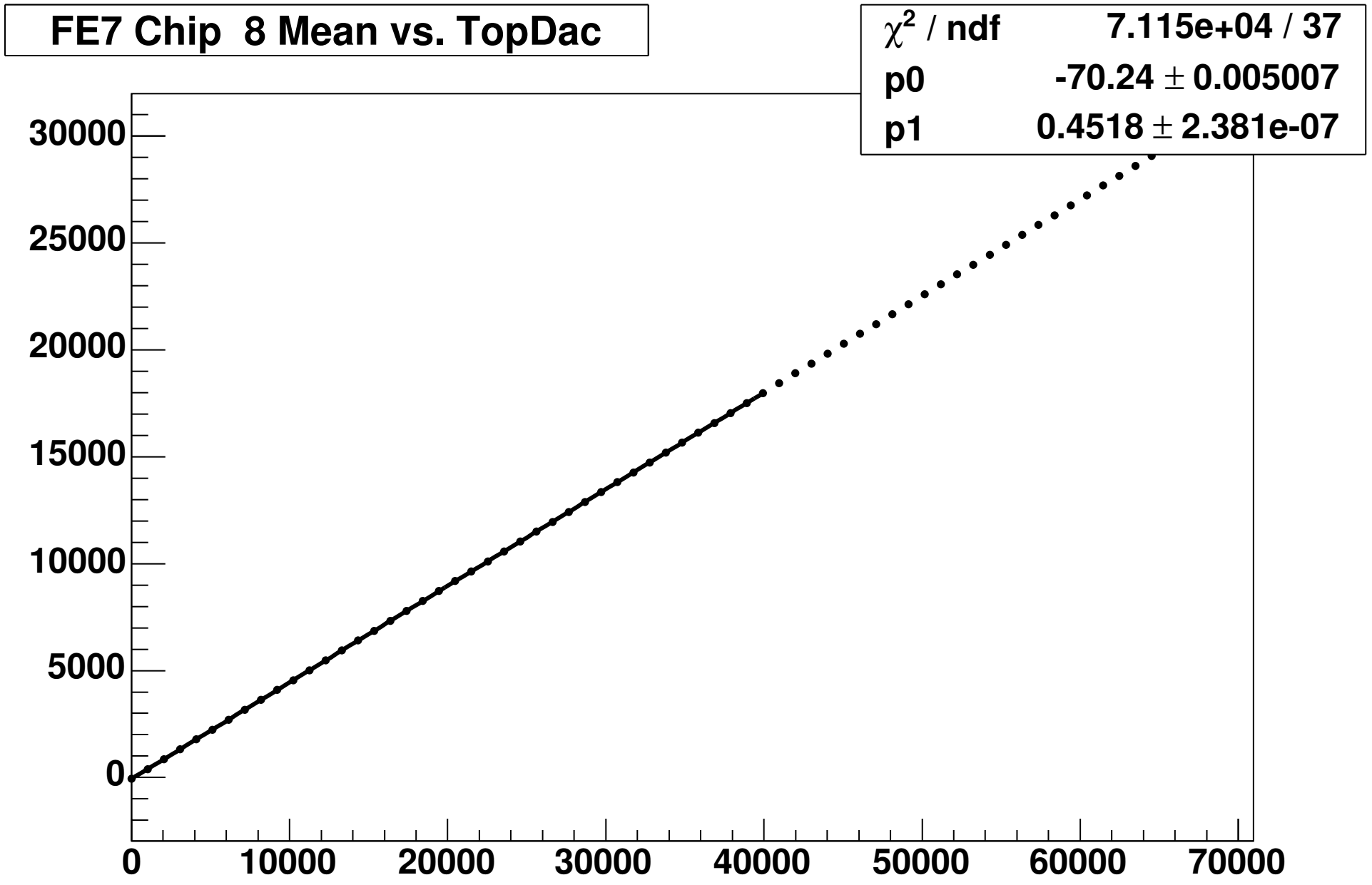

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 27.36 / 37
p0 1.486 ± 0.002714
p1 4.121e-06 ± 1.337e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

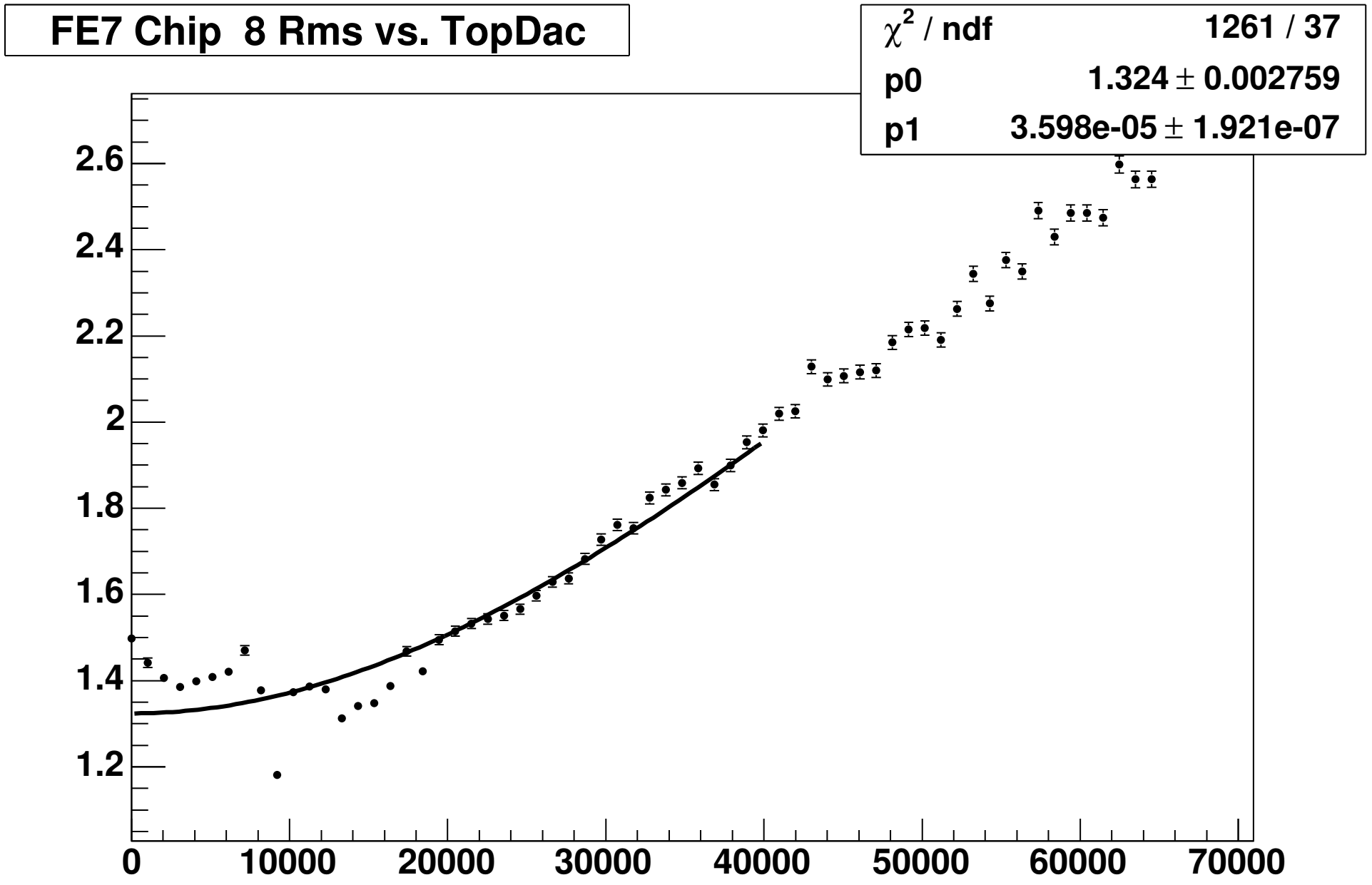

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 3.055e+04 / 37
p0 -82.83 ± 0.005049
p1 0.4523 ± 2.399e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

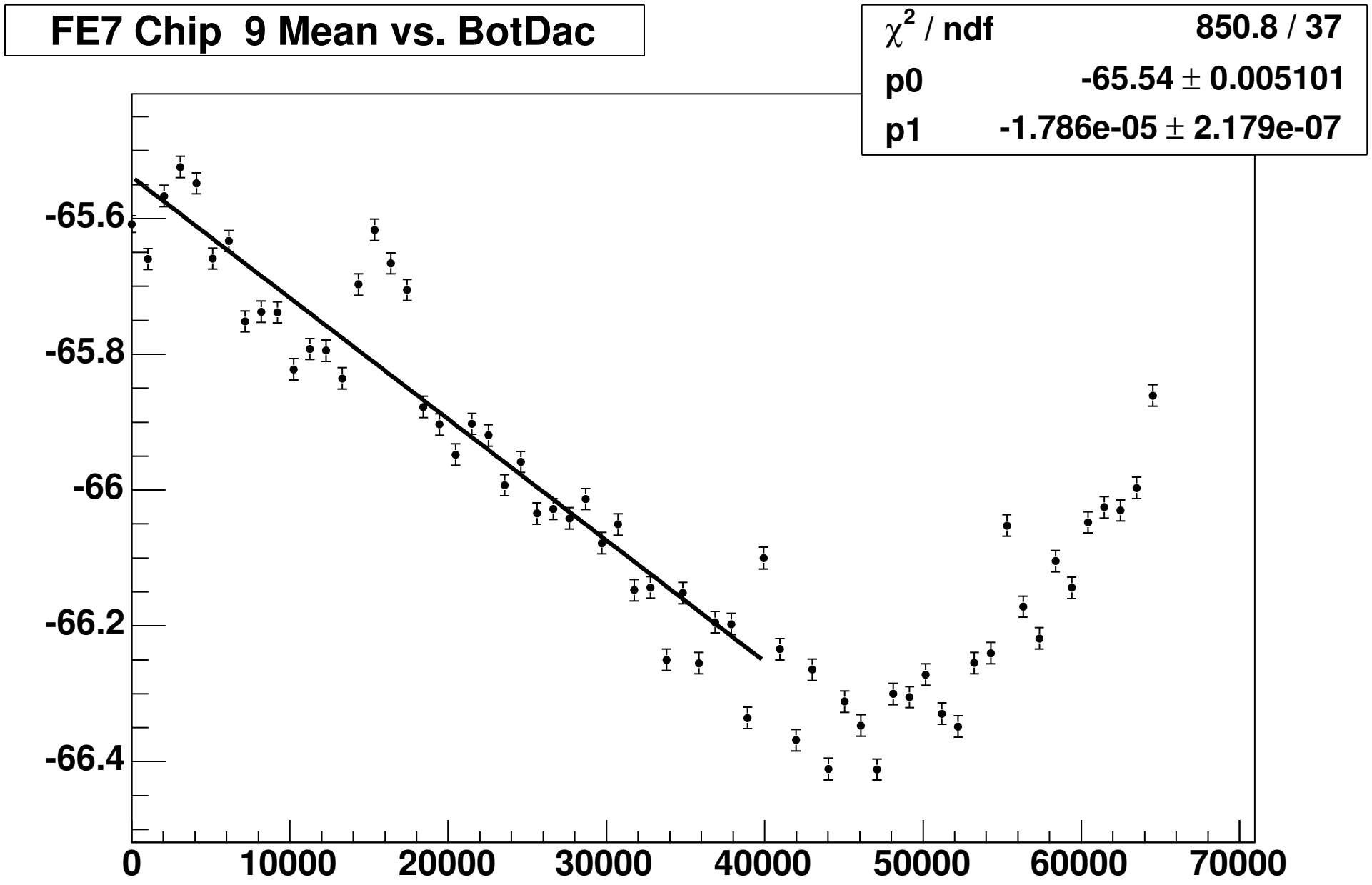

FE7 Chip 7 Rms vs. TopDac
χ^2 / ndf 988.1 / 37
p0 1.334 ± 0.002778
p1 3.599e-05 ± 1.944e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

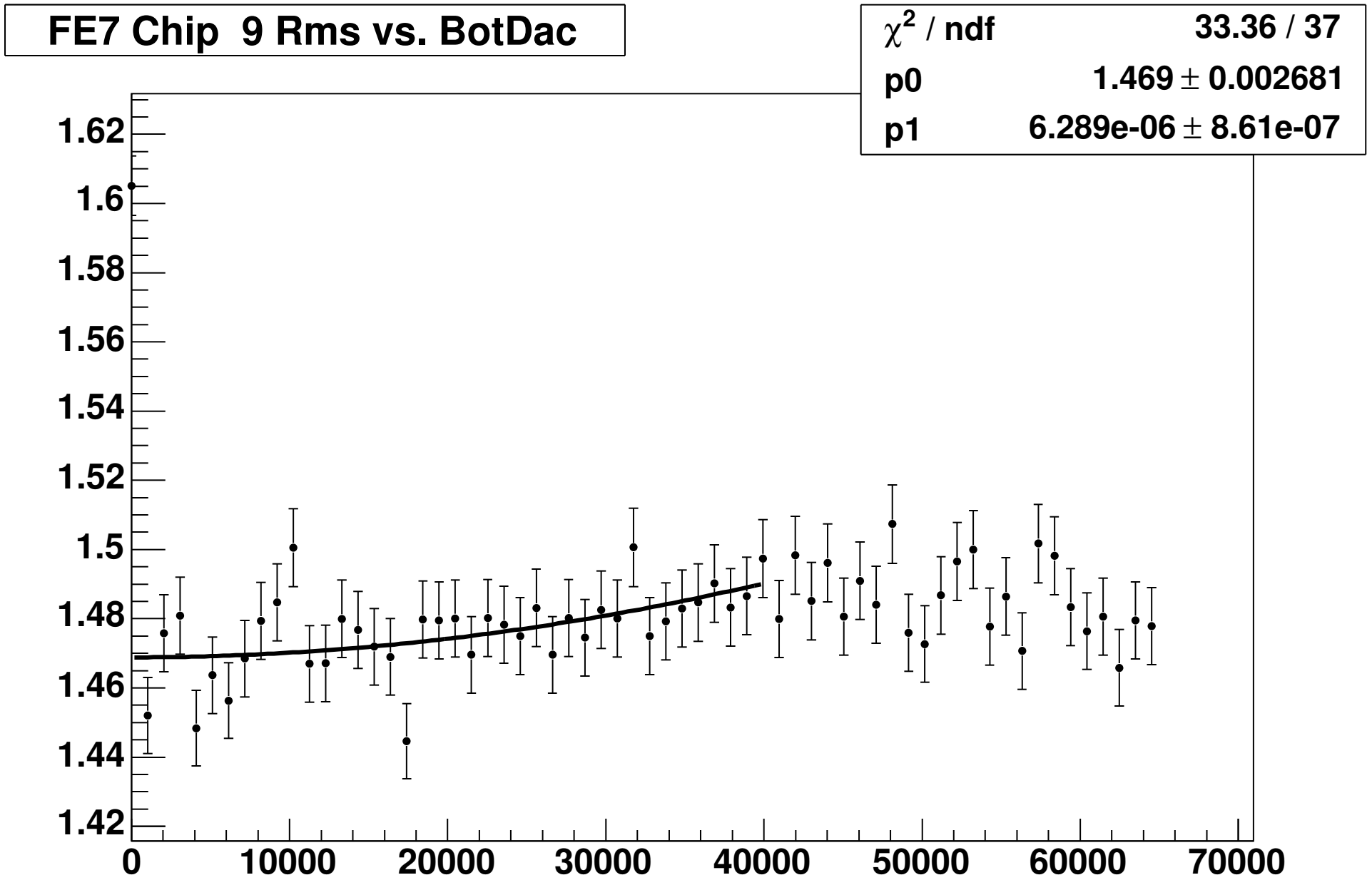

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 827.4 / 37
p0 -67.6 ± 0.005082
p1 -1.822e-05 ± 2.157e-07
-67.6
-67.8
-68
-68.2
-68.4
0
10000
20000
30000
40000
50000
60000
70000

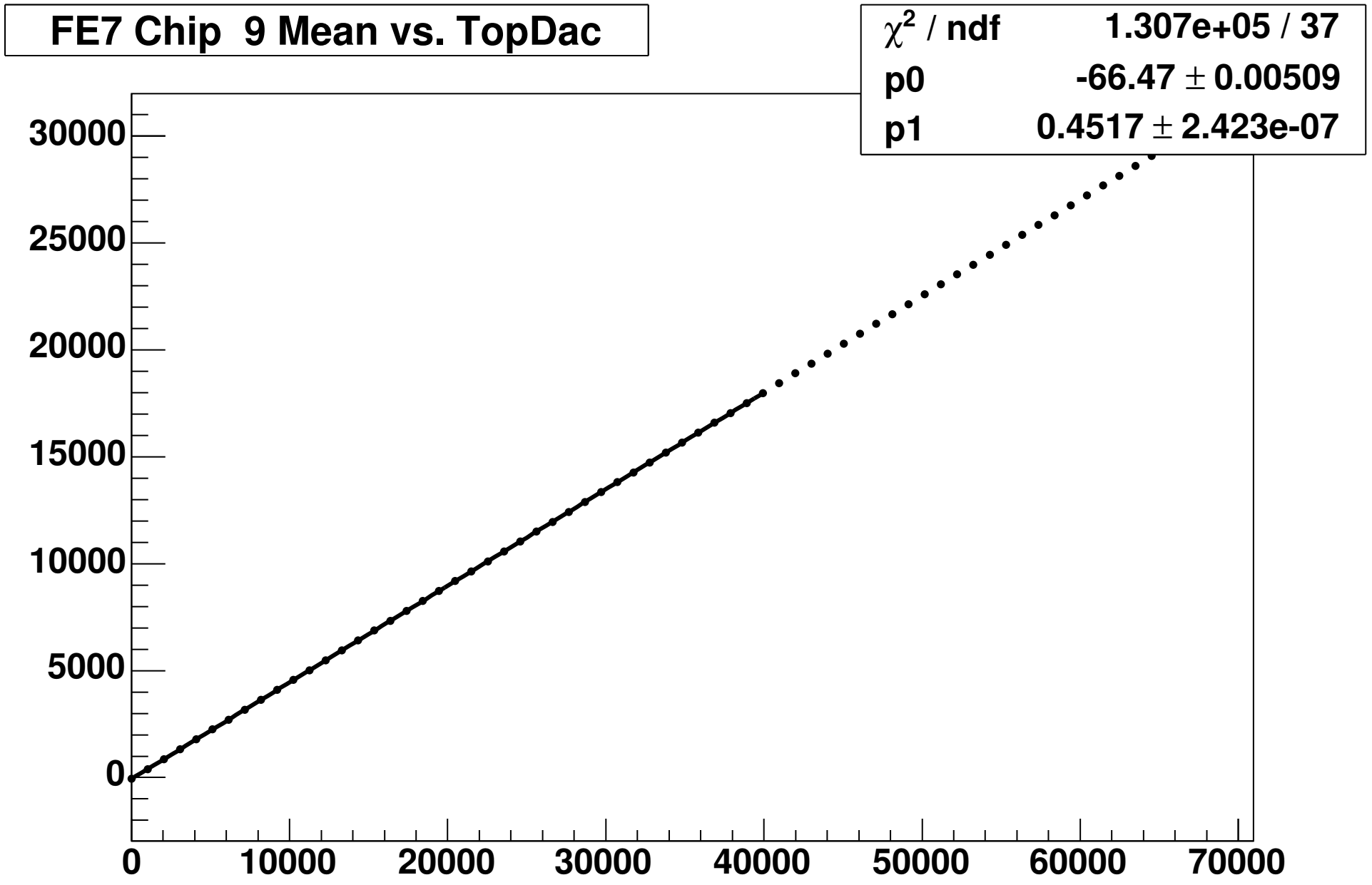

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 41.3 / 37
p0 1.463 ± 0.001763
p1 1.937e-15 ± 1.457e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

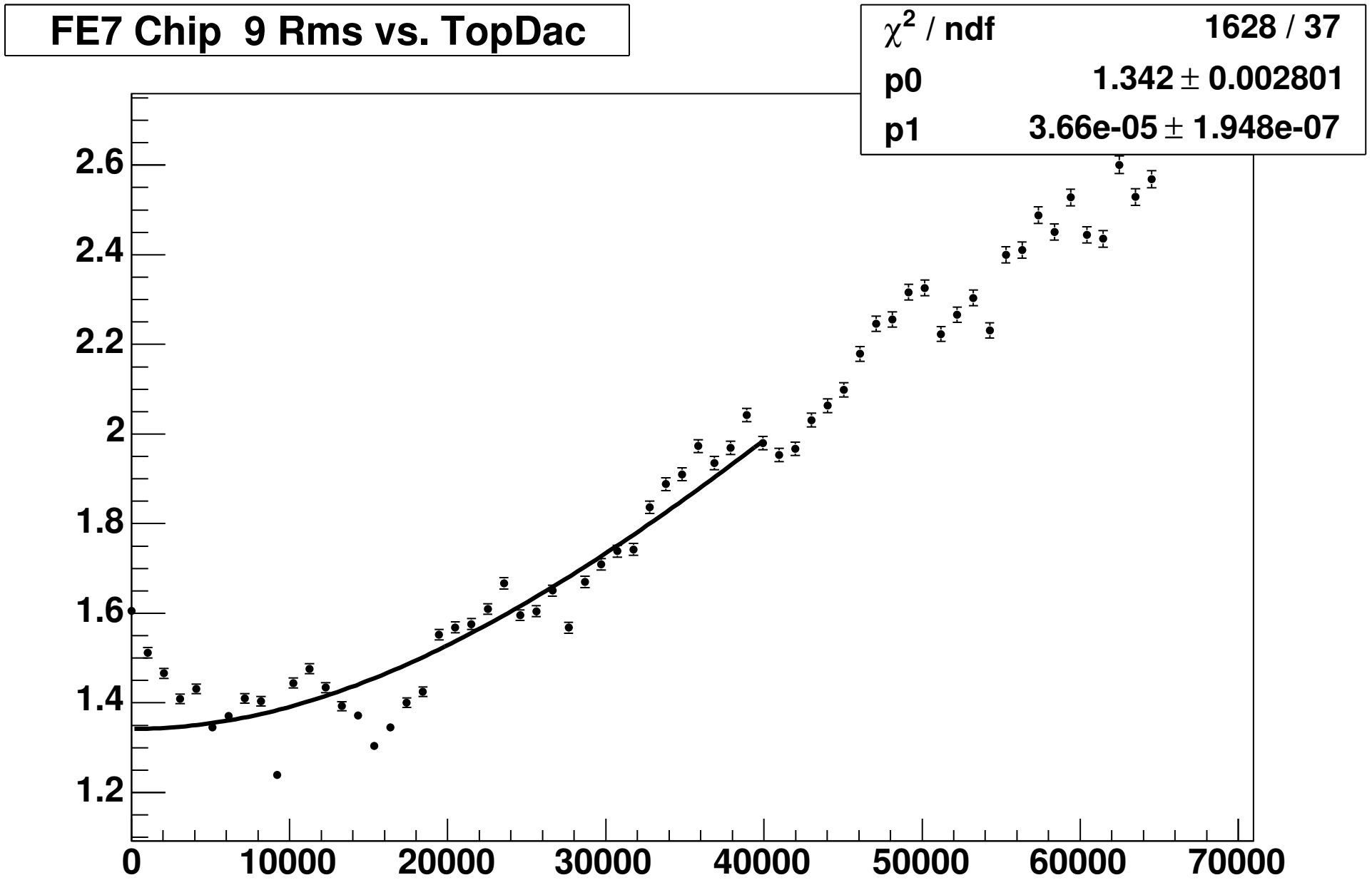

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 7.115e+04 / 37
p0 -70.24 ± 0.005007
p1 0.4518 ± 2.381e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

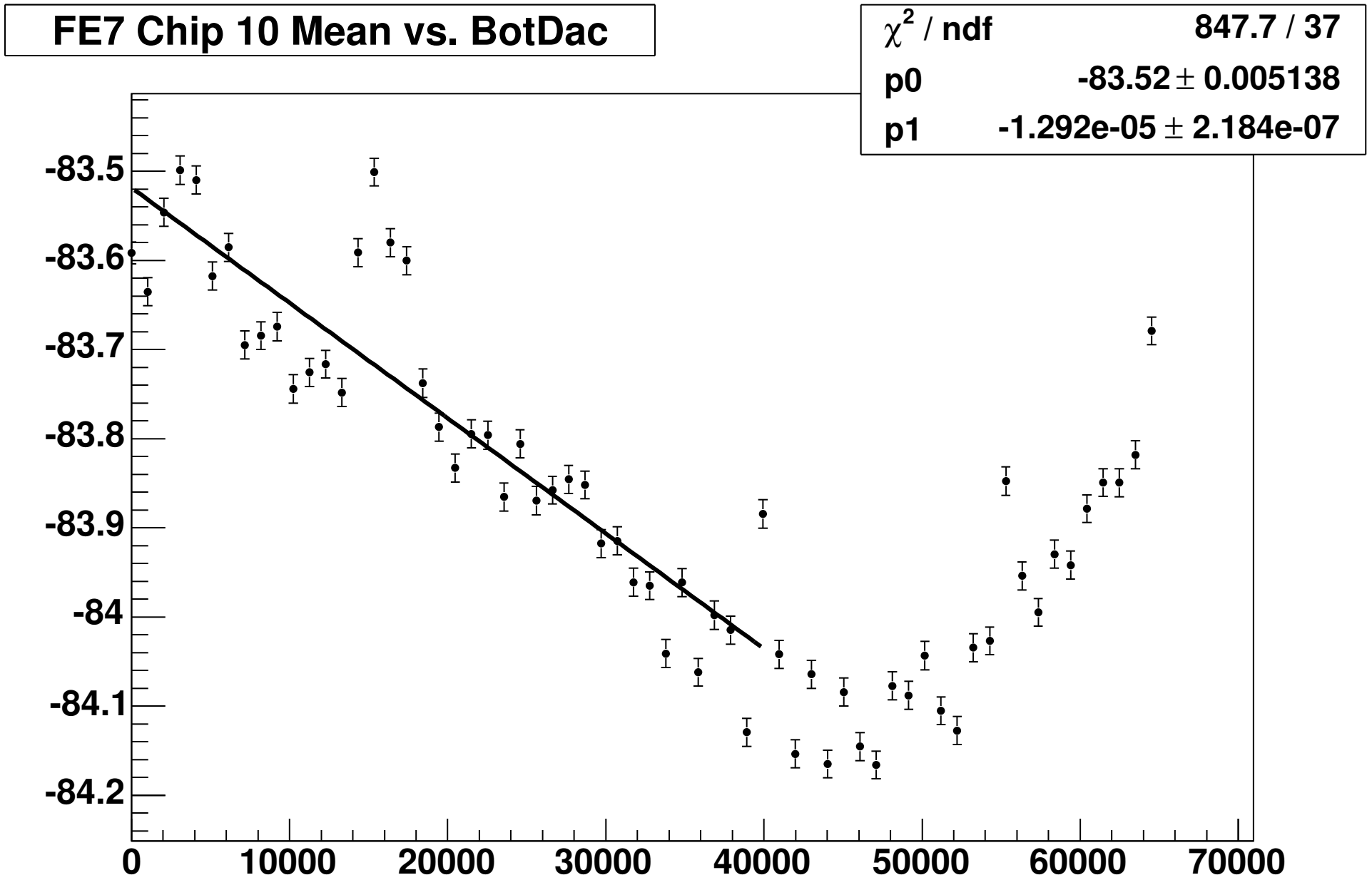

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 1261 / 37
p0 1.324 ± 0.002759
p1 3.598e-05 ± 1.921e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

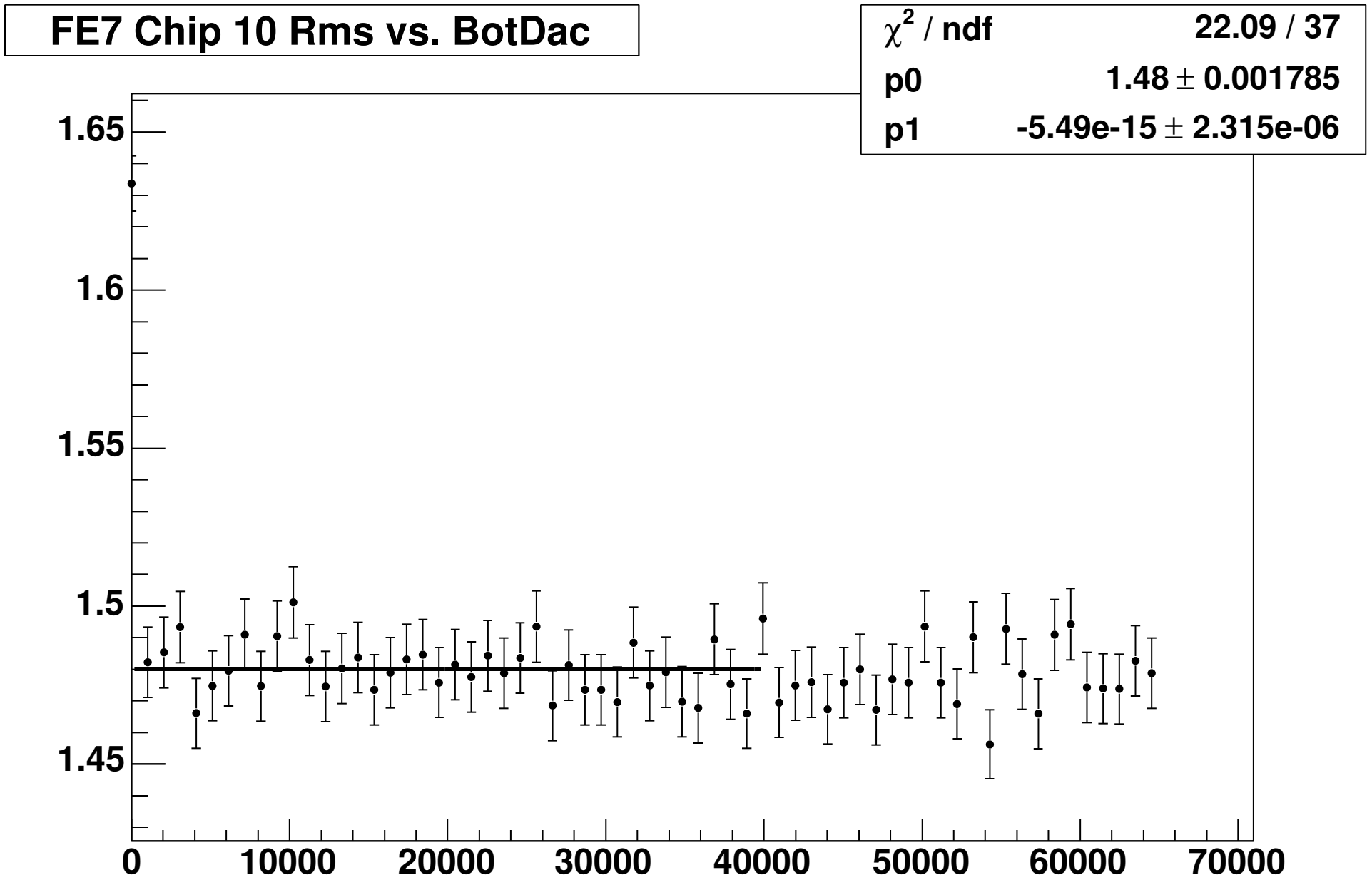

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 850.8 / 37
p0 -65.54 ± 0.005101
p1 -1.786e-05 ± 2.179e-07
-65.6
-65.8
-66
-66.2
-66.4
0
10000
20000
30000
40000
50000
60000
70000

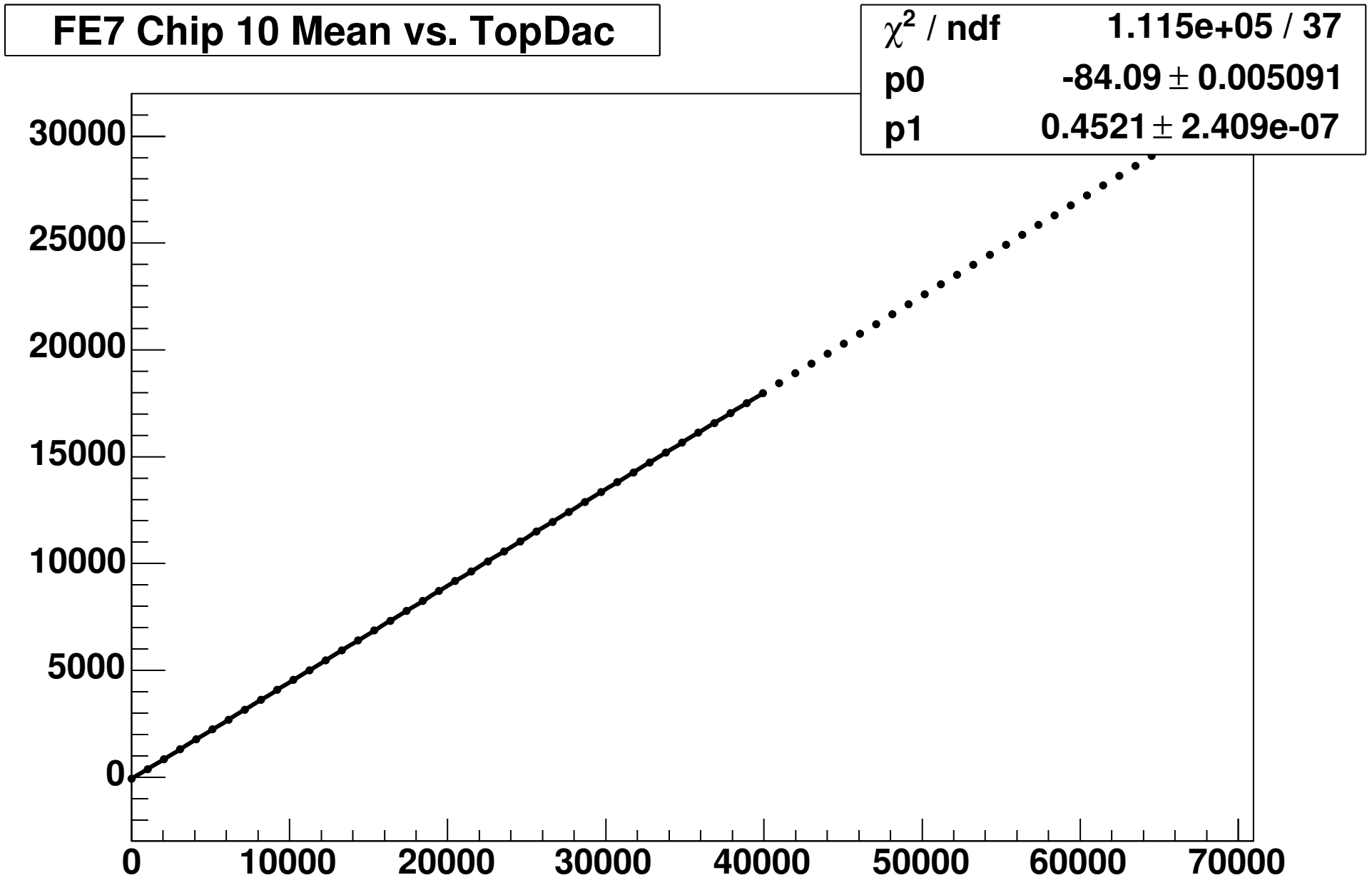

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 33.36 / 37
p0 1.469 ± 0.002681
p1 6.289e-06 ± 8.61e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

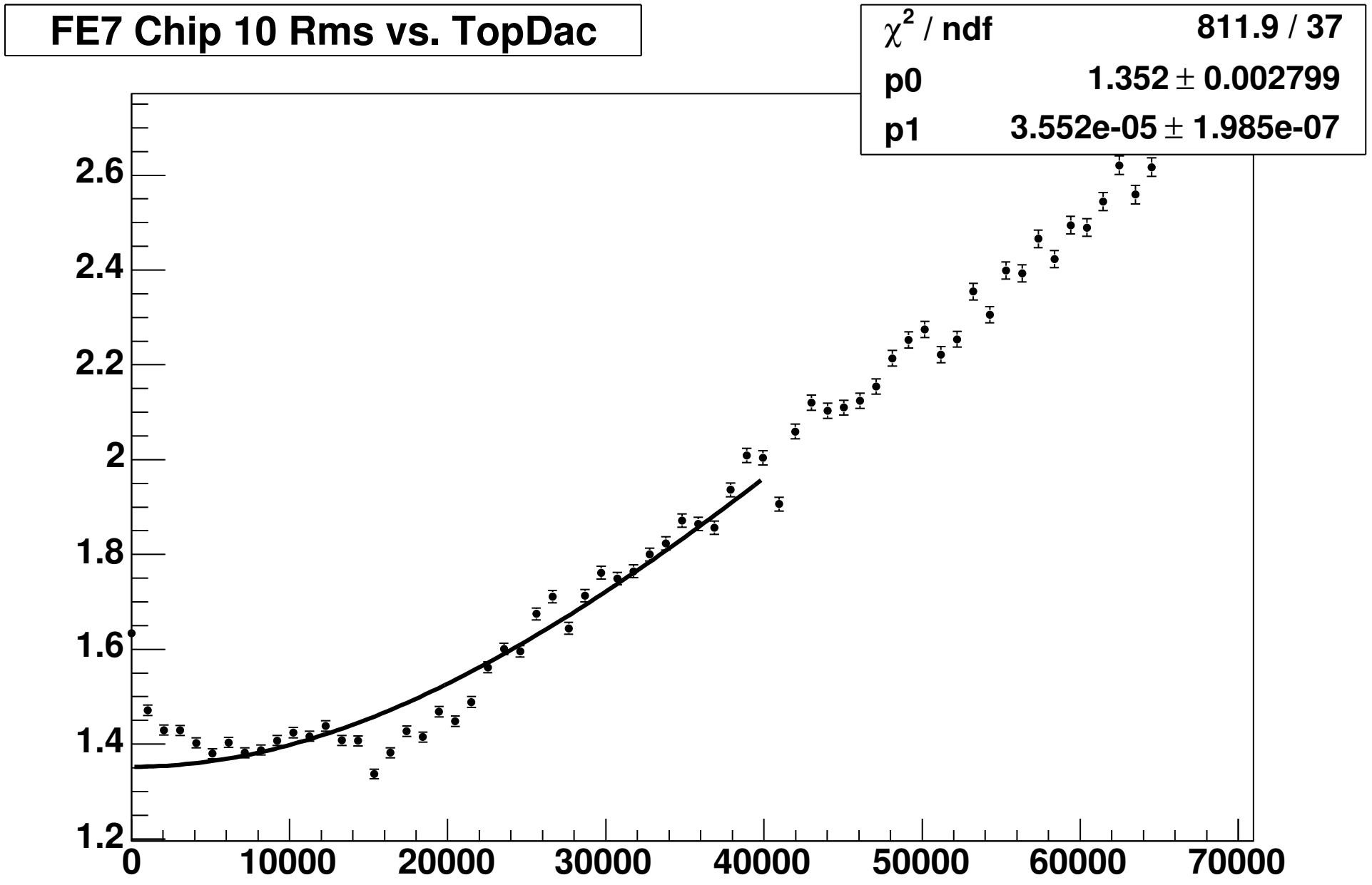

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.307e+05 / 37
p0 -66.47 ± 0.00509
p1 0.4517 ± 2.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

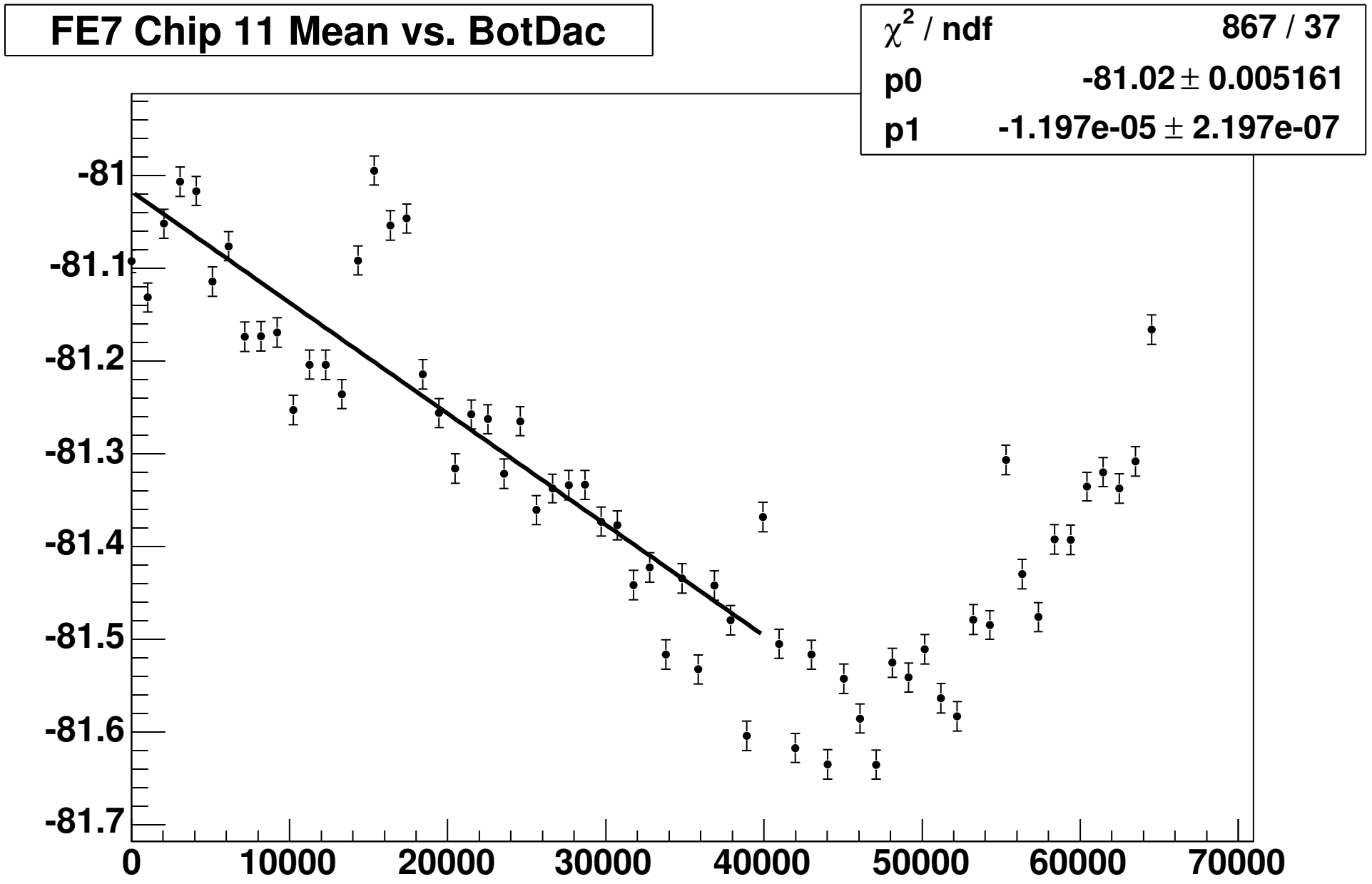

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1628 / 37
p0 1.342 ± 0.002801
p1 3.66e-05 ± 1.948e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

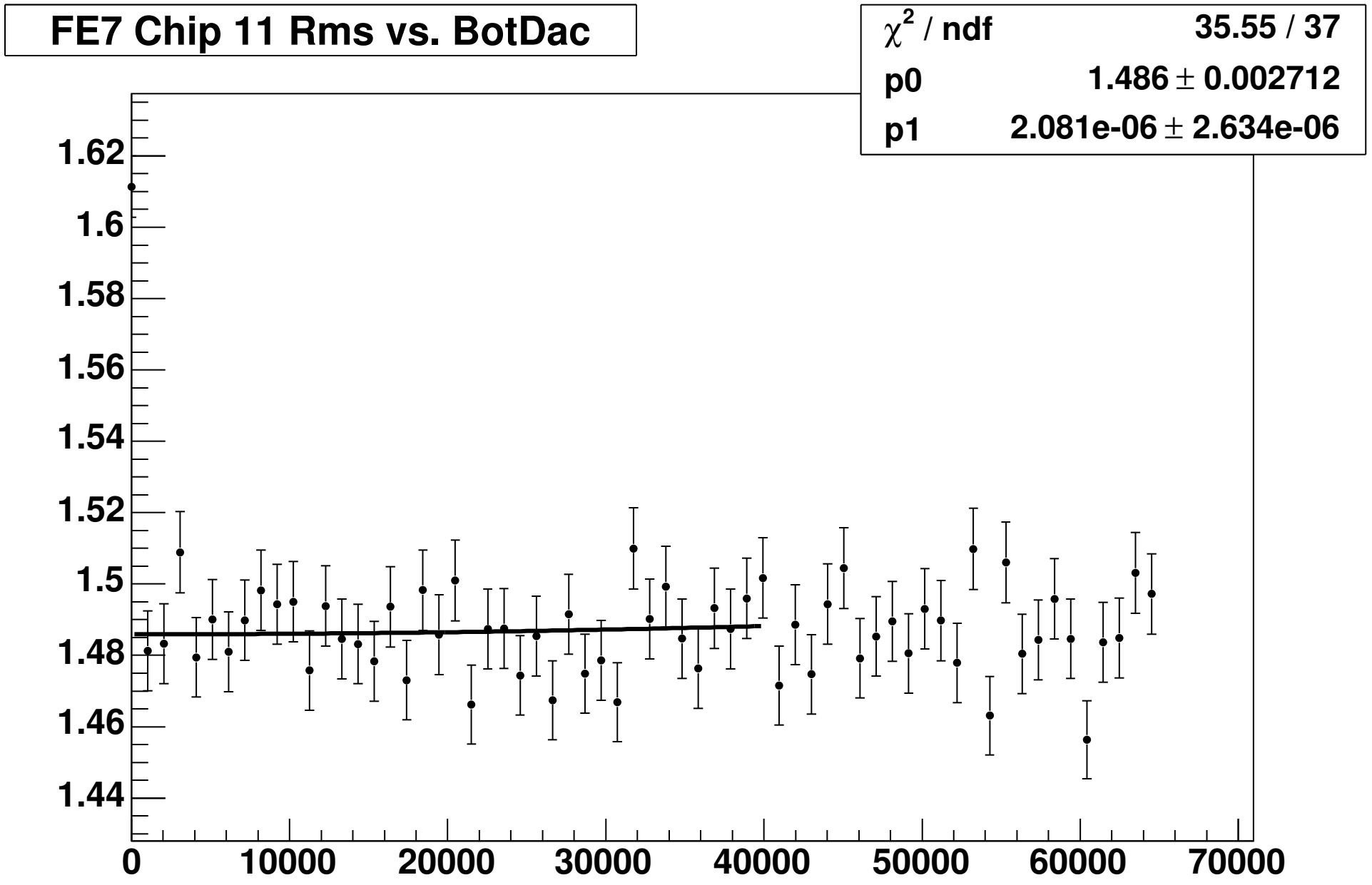

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 847.7 / 37
p0 -83.52 ± 0.005138
p1 -1.292e-05 ± 2.184e-07
-83.5
-83.6
-83.7
-83.8
-83.9
-84
-84.1
-84.2
0
10000
20000
30000
40000
50000
60000
70000

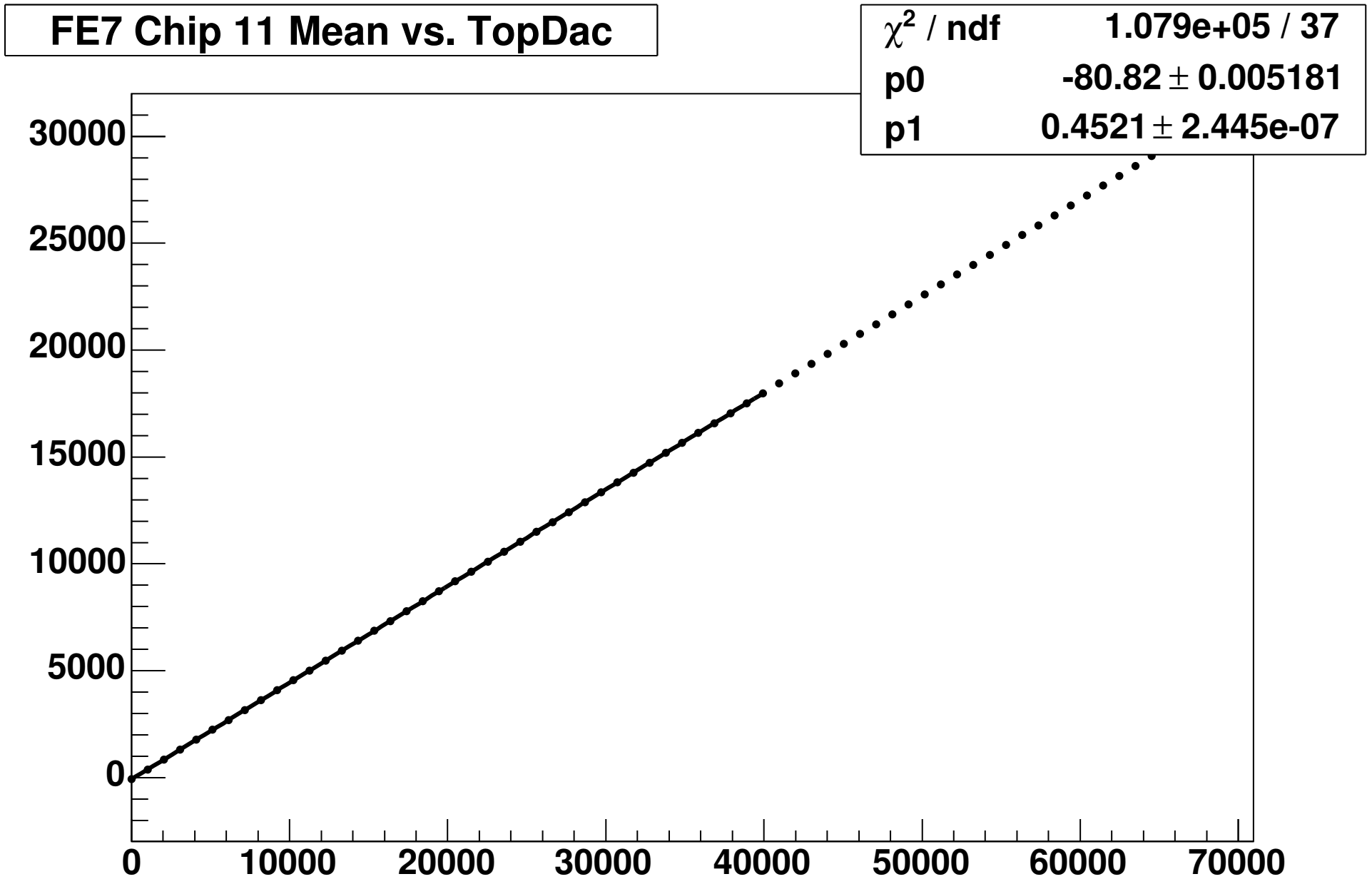

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 22.09 / 37
p0 1.48 ± 0.001785
p1 -5.49e-15 ± 2.315e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

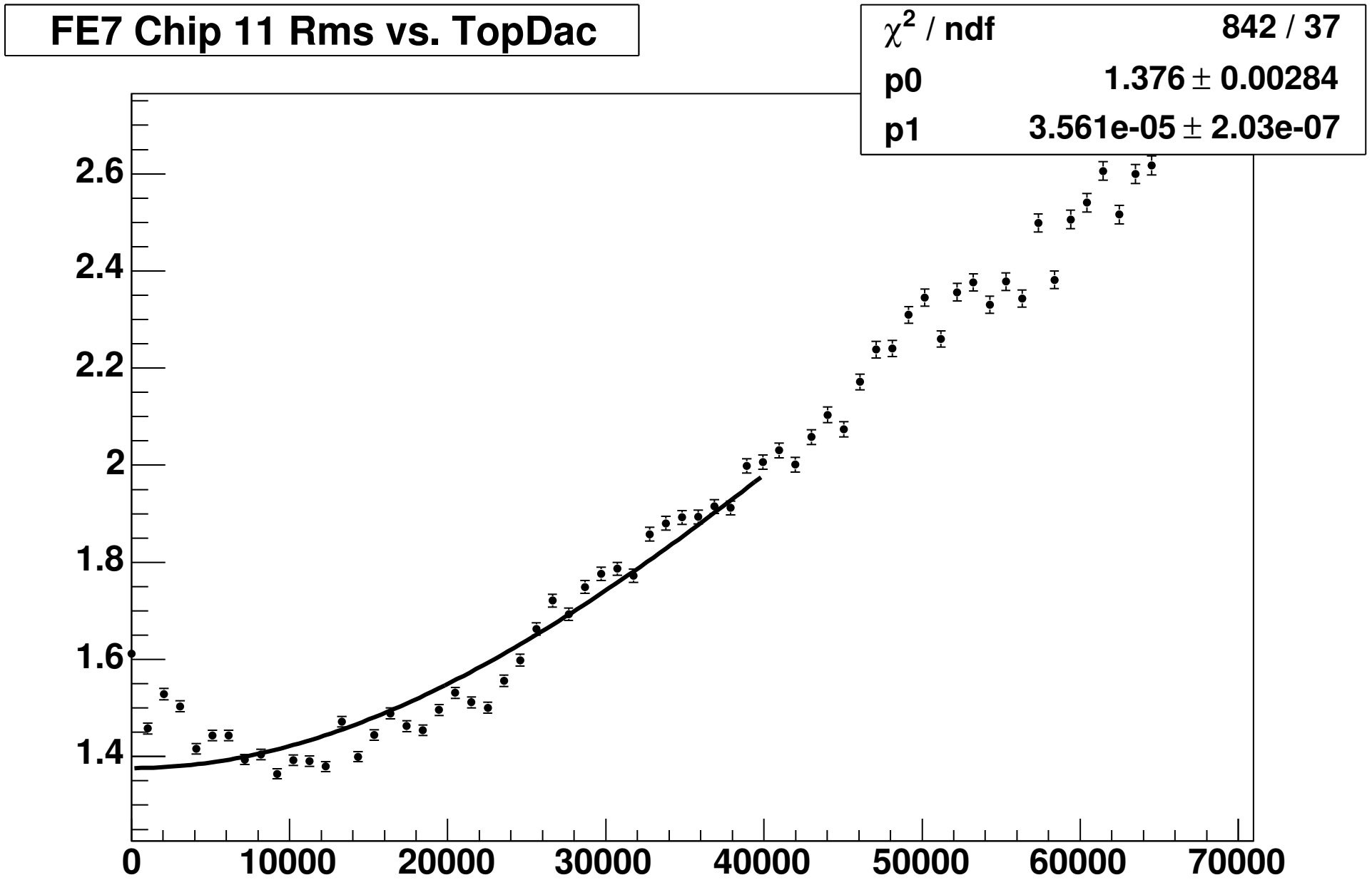

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.115e+05 / 37
p0 -84.09 ± 0.005091
p1 0.4521 ± 2.409e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

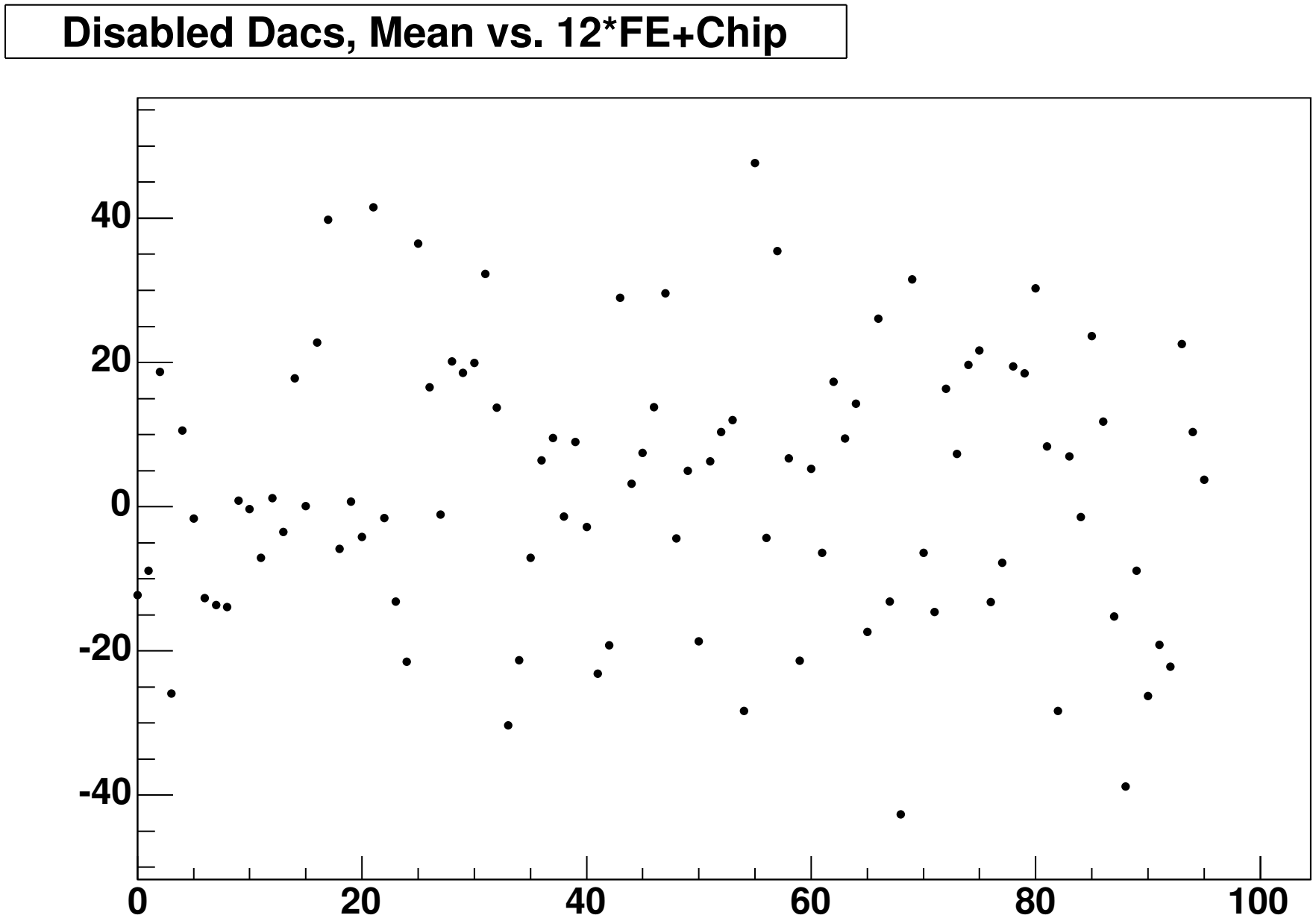

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 811.9 / 37
p0 1.352 ± 0.002799
p1 3.552e-05 ± 1.985e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

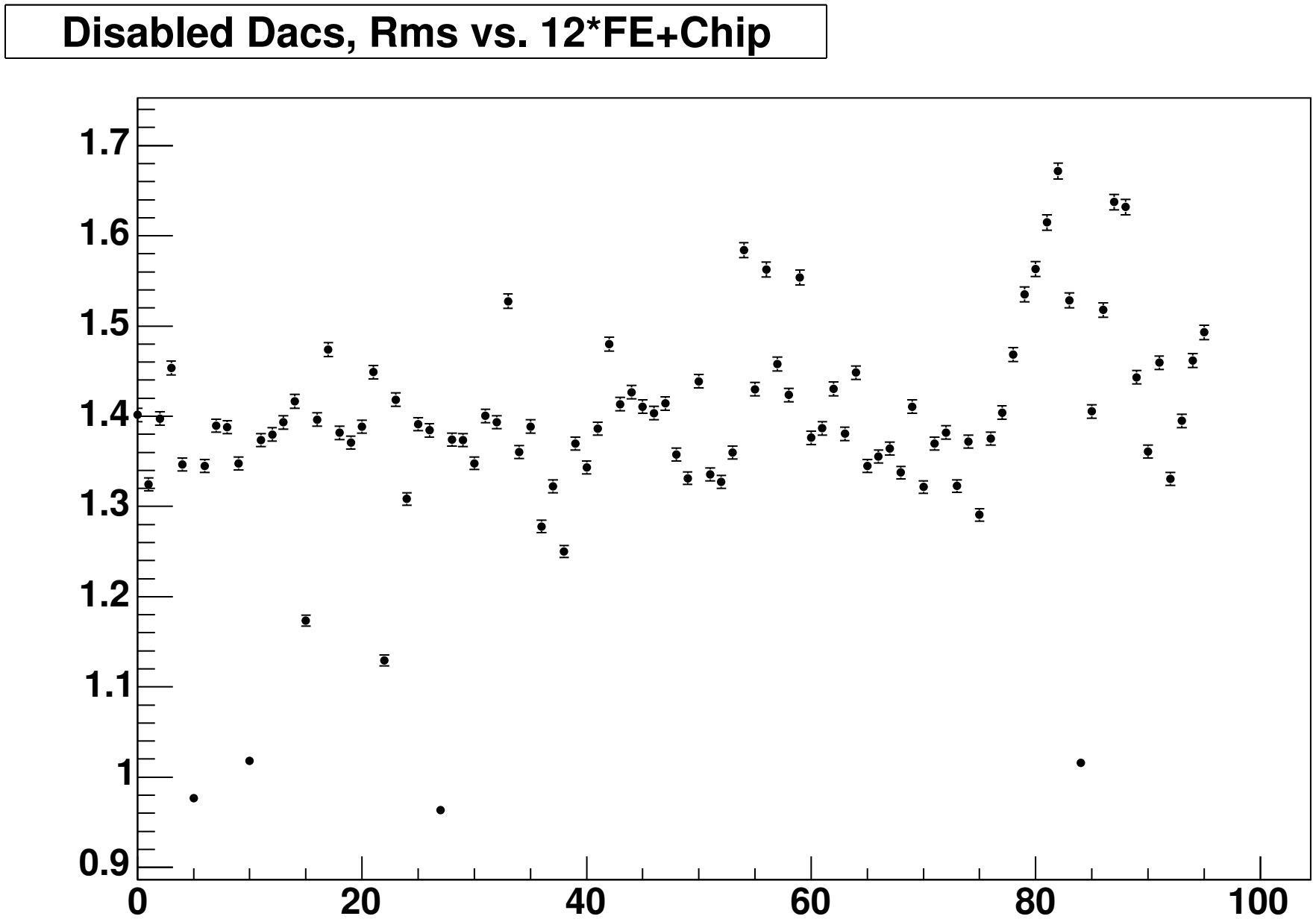

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 867 / 37
p0 -81.02 ± 0.005161
p1 -1.197e-05 ± 2.197e-07
-81
-81.1
-81.2
-81.3
-81.4
-81.5
-81.6
-81.7
0
10000
20000
30000
40000
50000
60000
70000

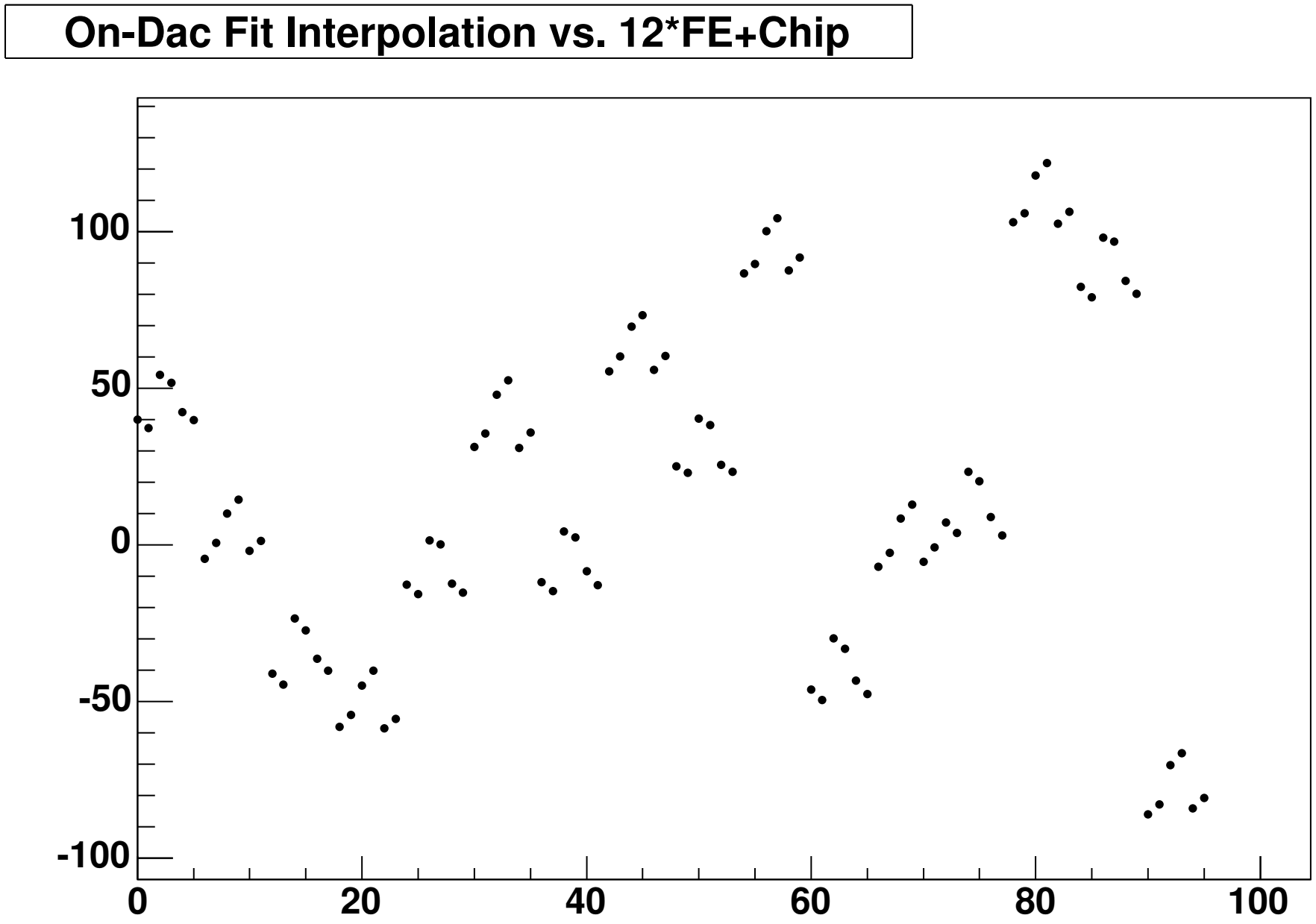

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 35.55 / 37
p0 1.486 ± 0.002712
p1 2.081e-06 ± 2.634e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

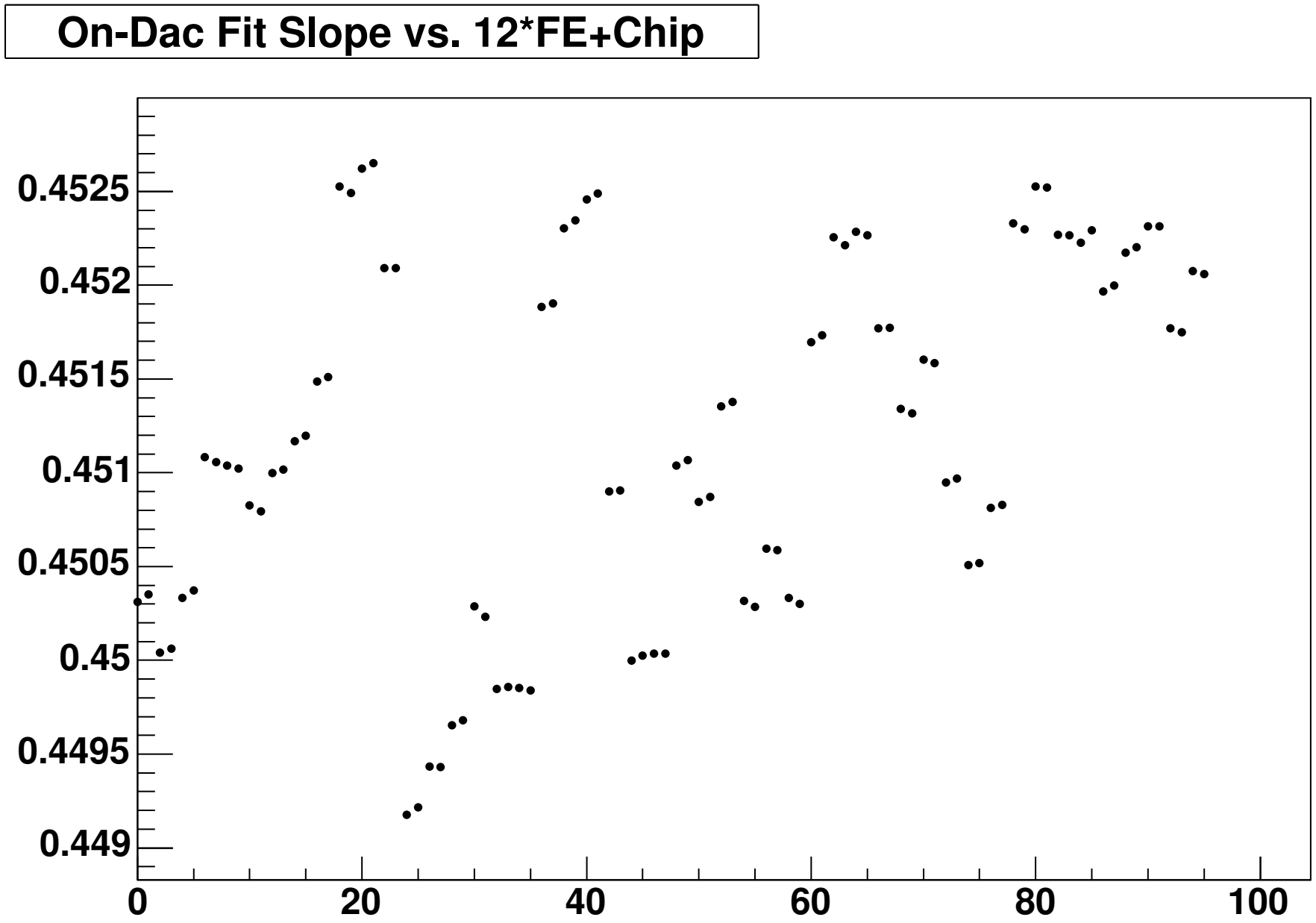

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 1.079e+05 / 37
p0 -80.82 ± 0.005181
p1 0.4521 ± 2.445e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

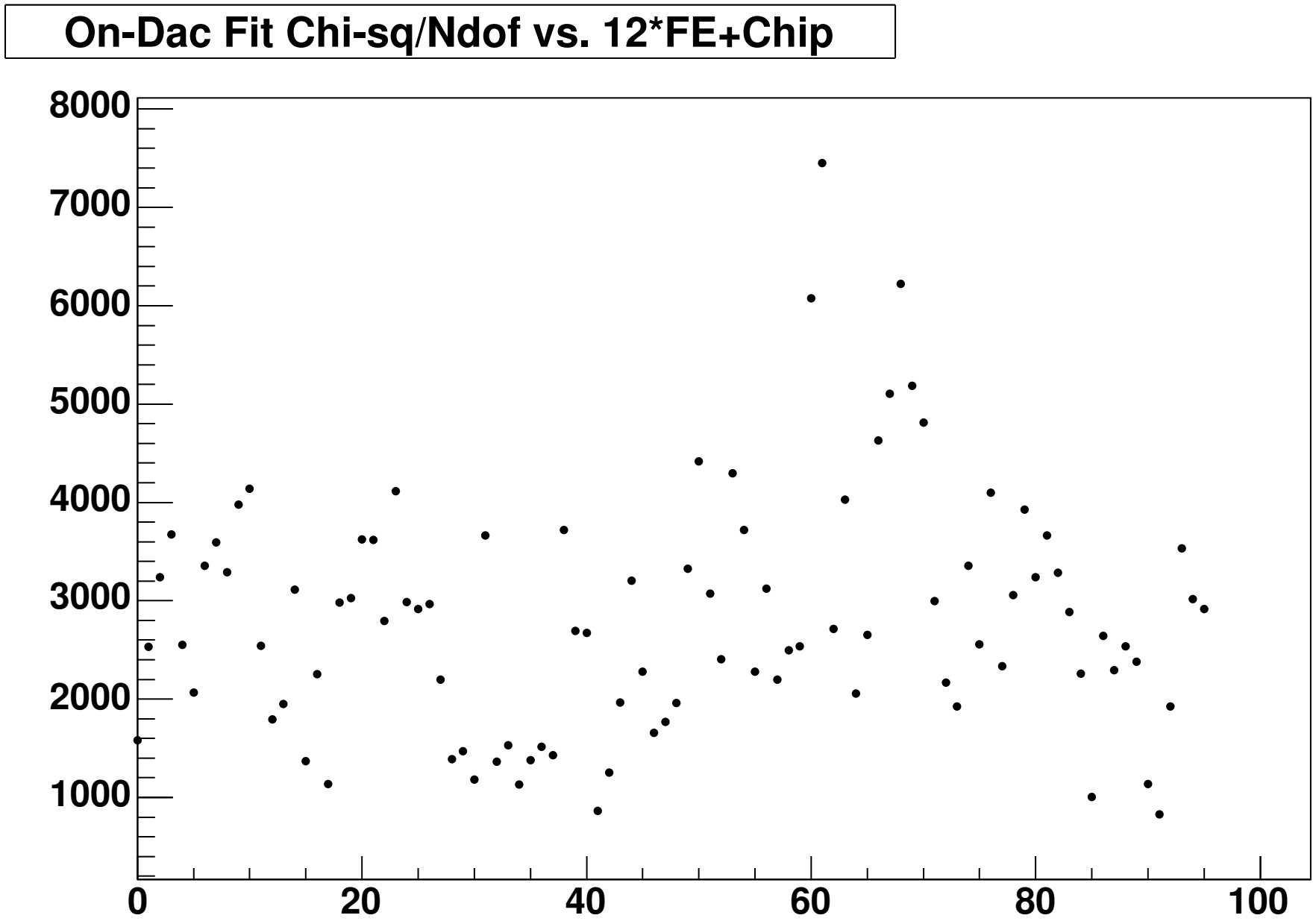

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 842 / 37
p0 1.376 ± 0.00284
p1 3.561e-05 ± 2.03e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

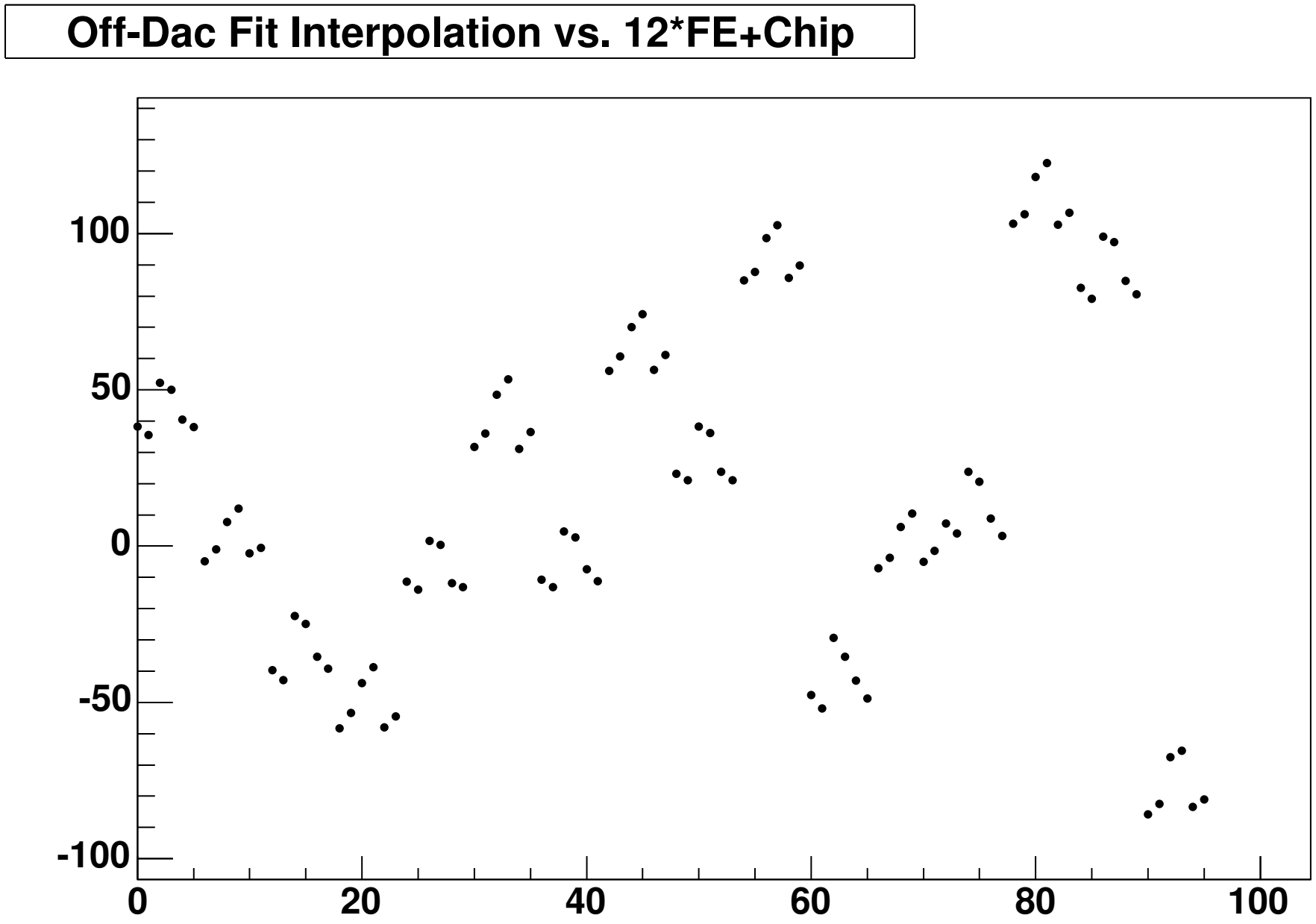

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
0
20
40
60
80
100

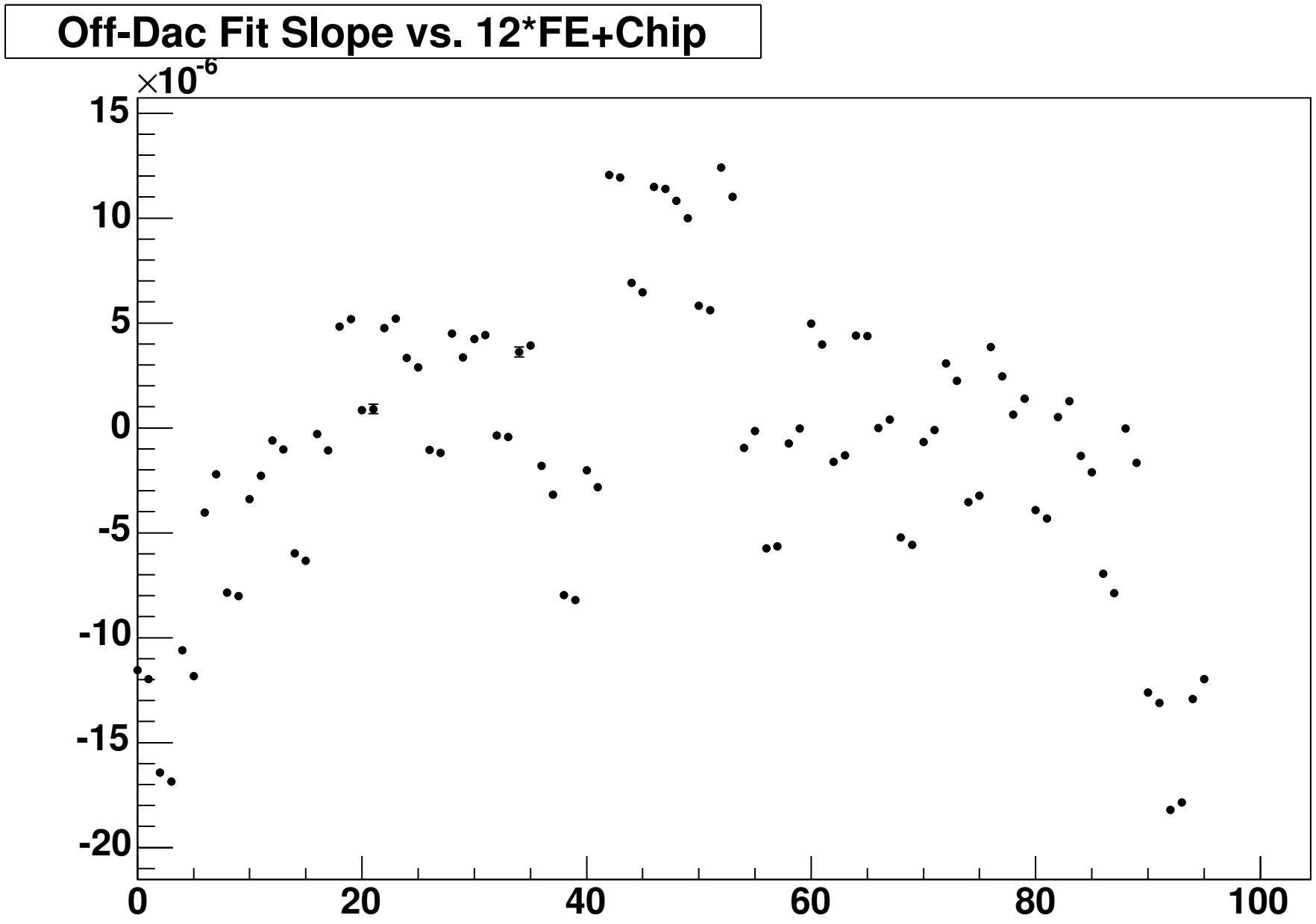

Disabled Dacs, Rms vs. 12*FE+Chip
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
20
40
60
80
100

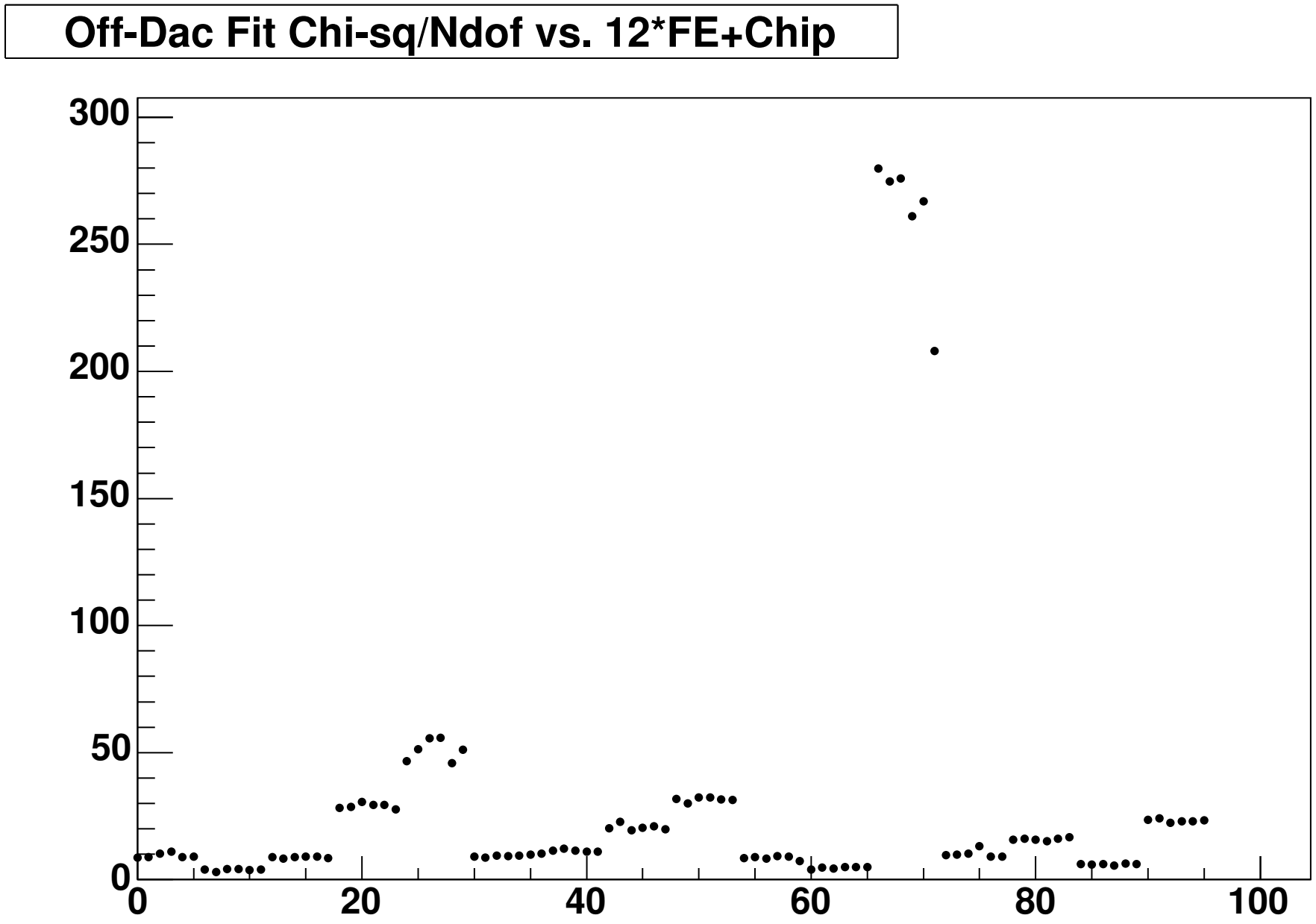

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

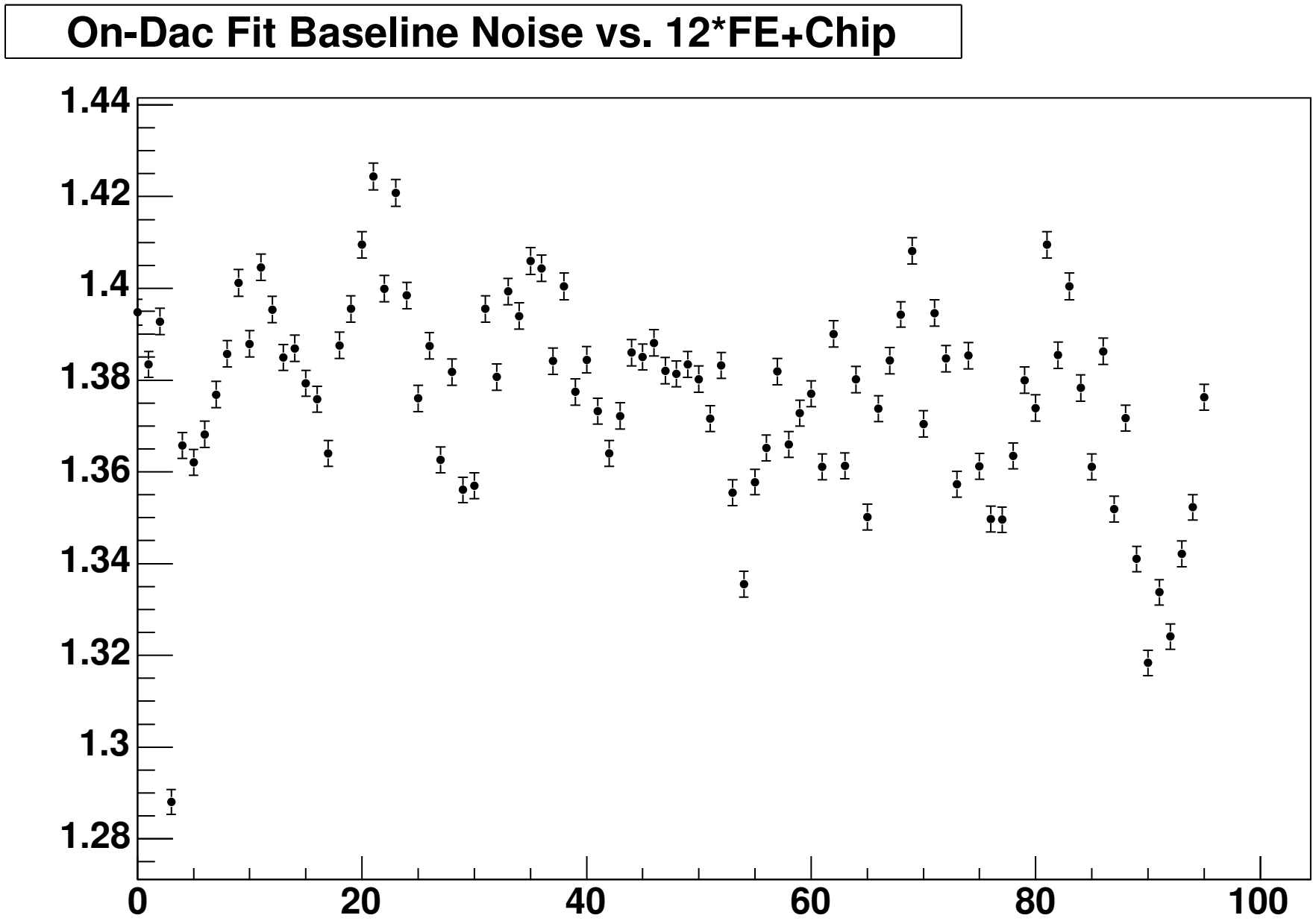

On-Dac Fit Slope vs. 12*FE+Chip
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0.449
0
20
40
60
80
100

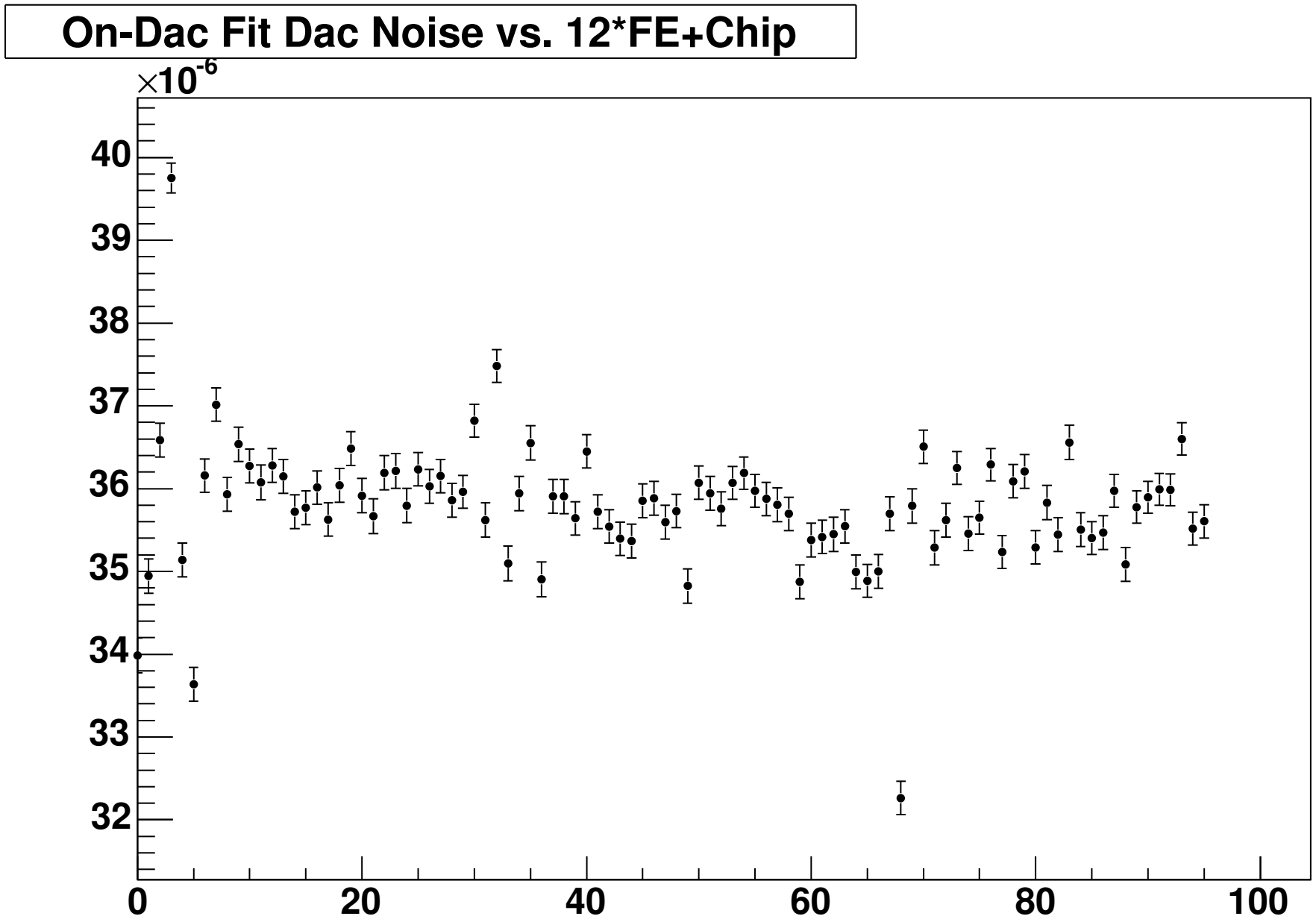

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
8000
7000
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

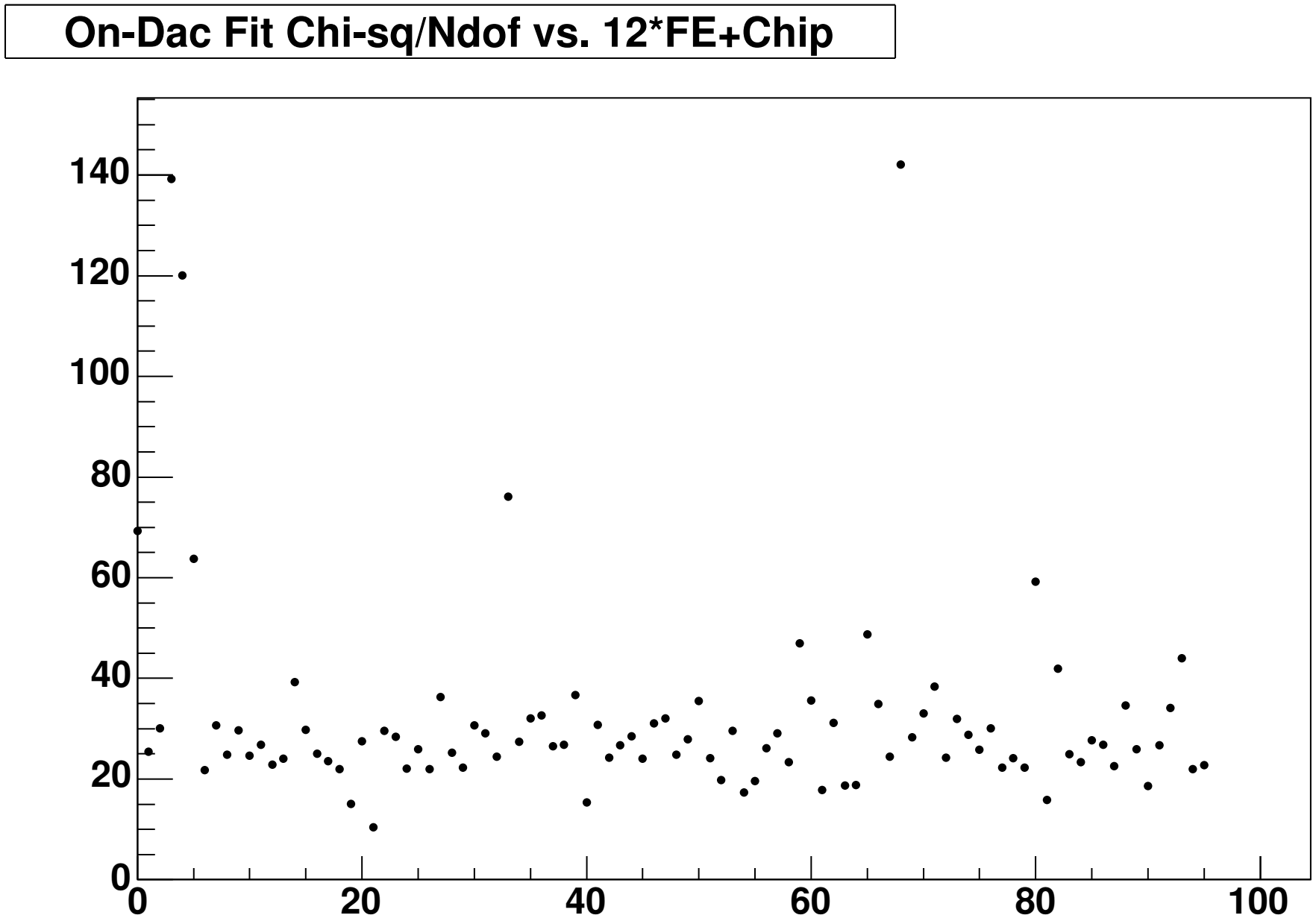

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

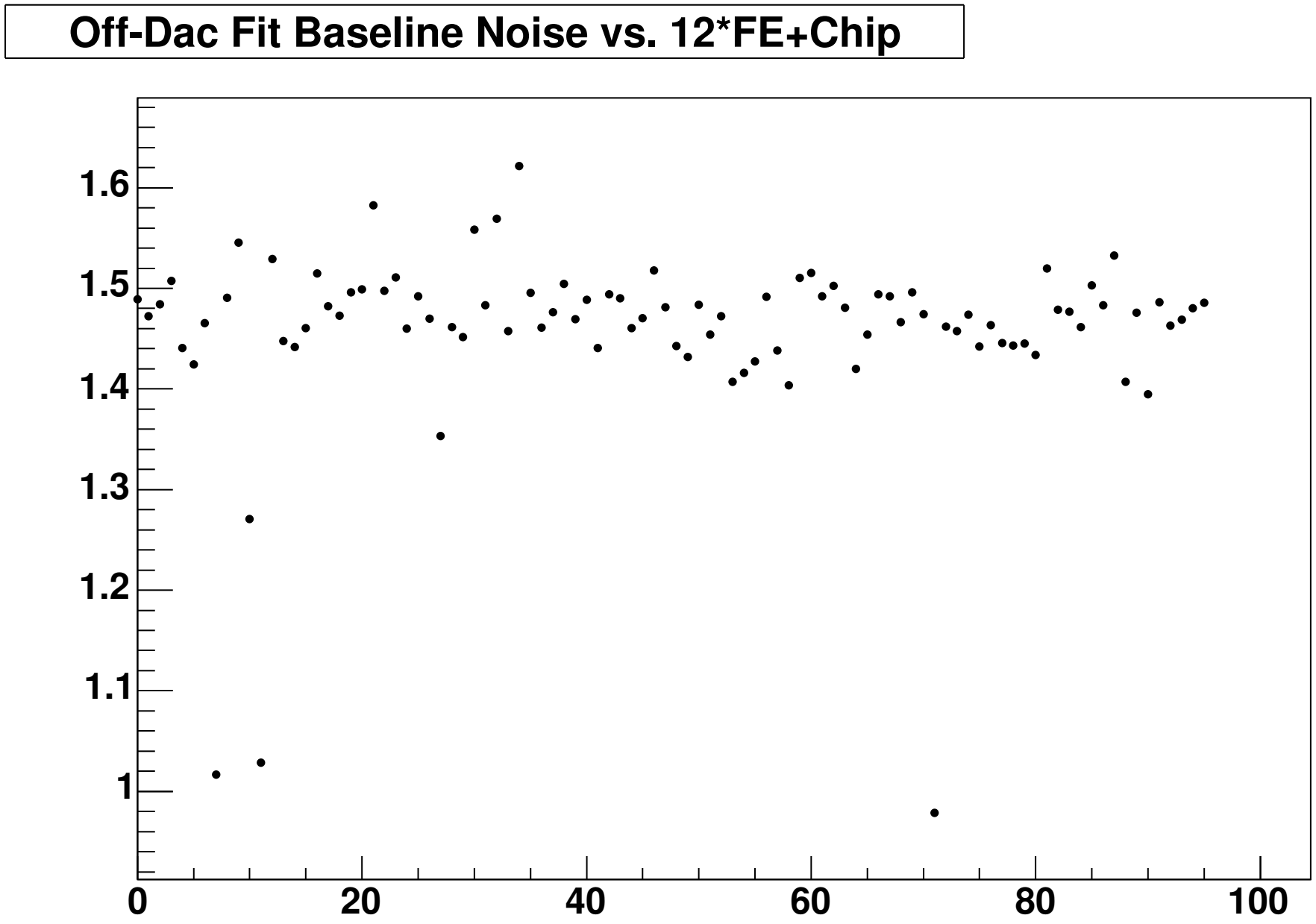

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
15
10
5
0
-5
-10
-15
-20
0
20
40
60
80
100

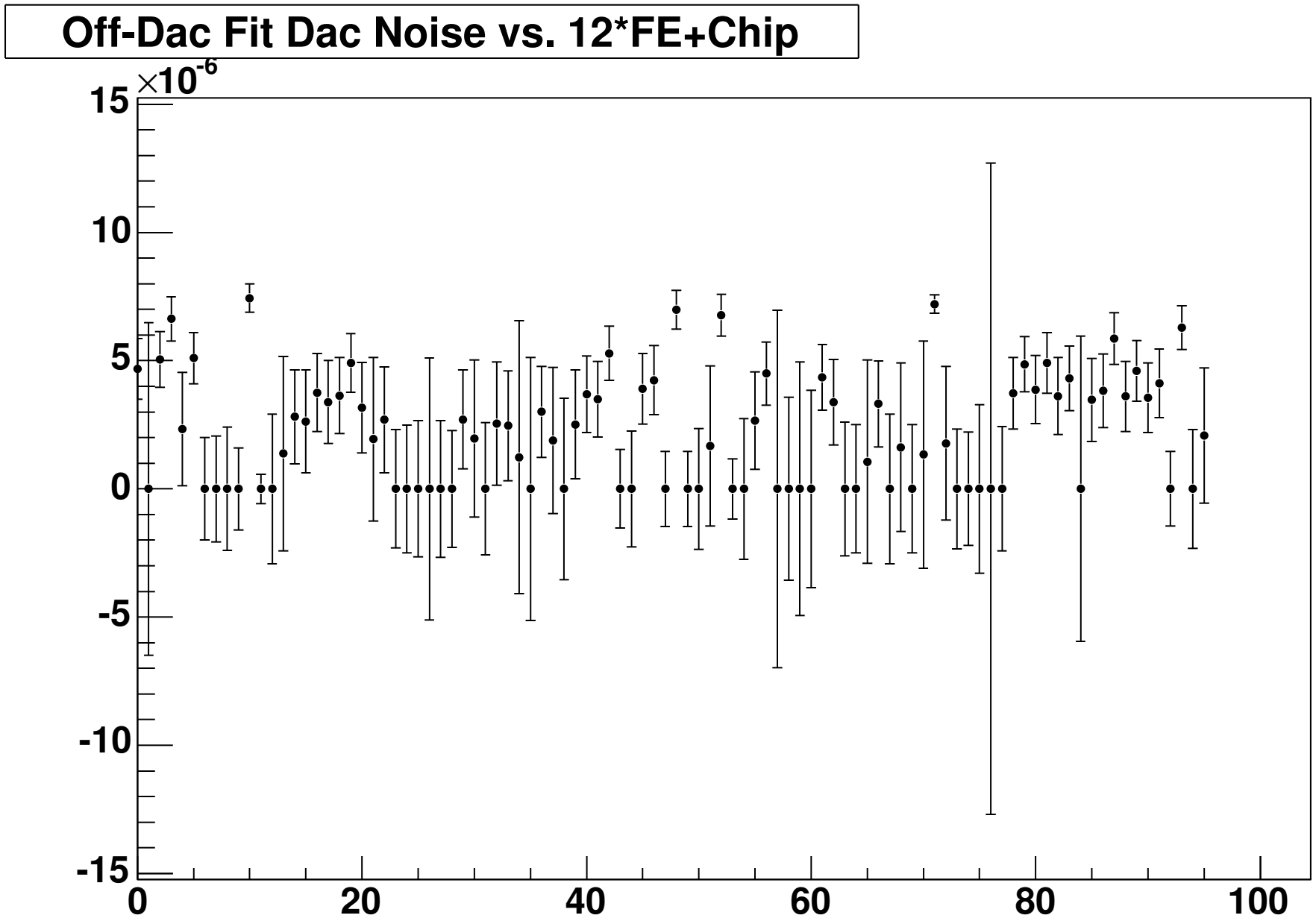

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
300
250
200
150
100
50
0
0
20
40
60
80
100

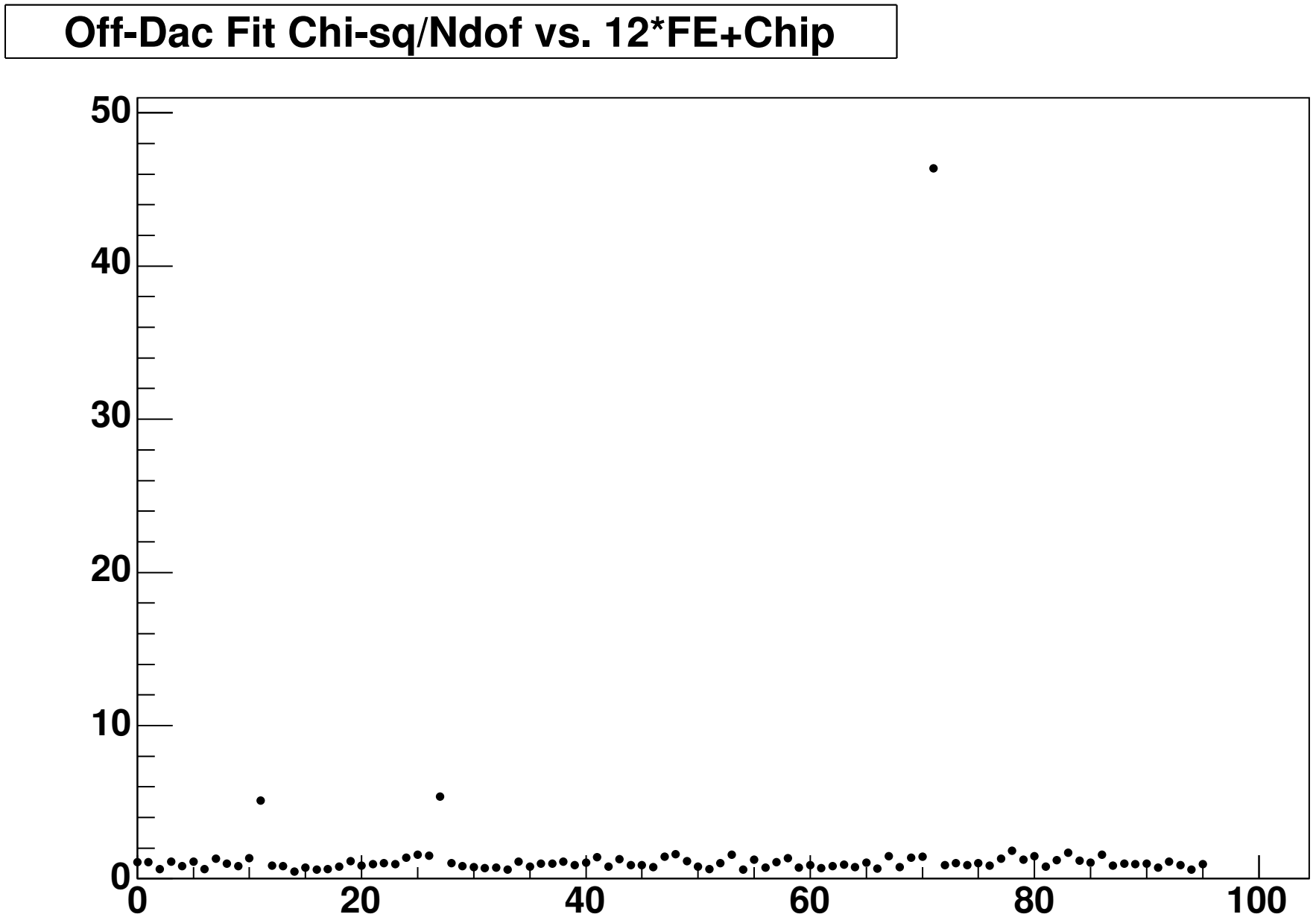

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.44
1.42
1.4
1.38
1.36
1.34
1.32
1.3
1.28
0
20
40
60
80
100

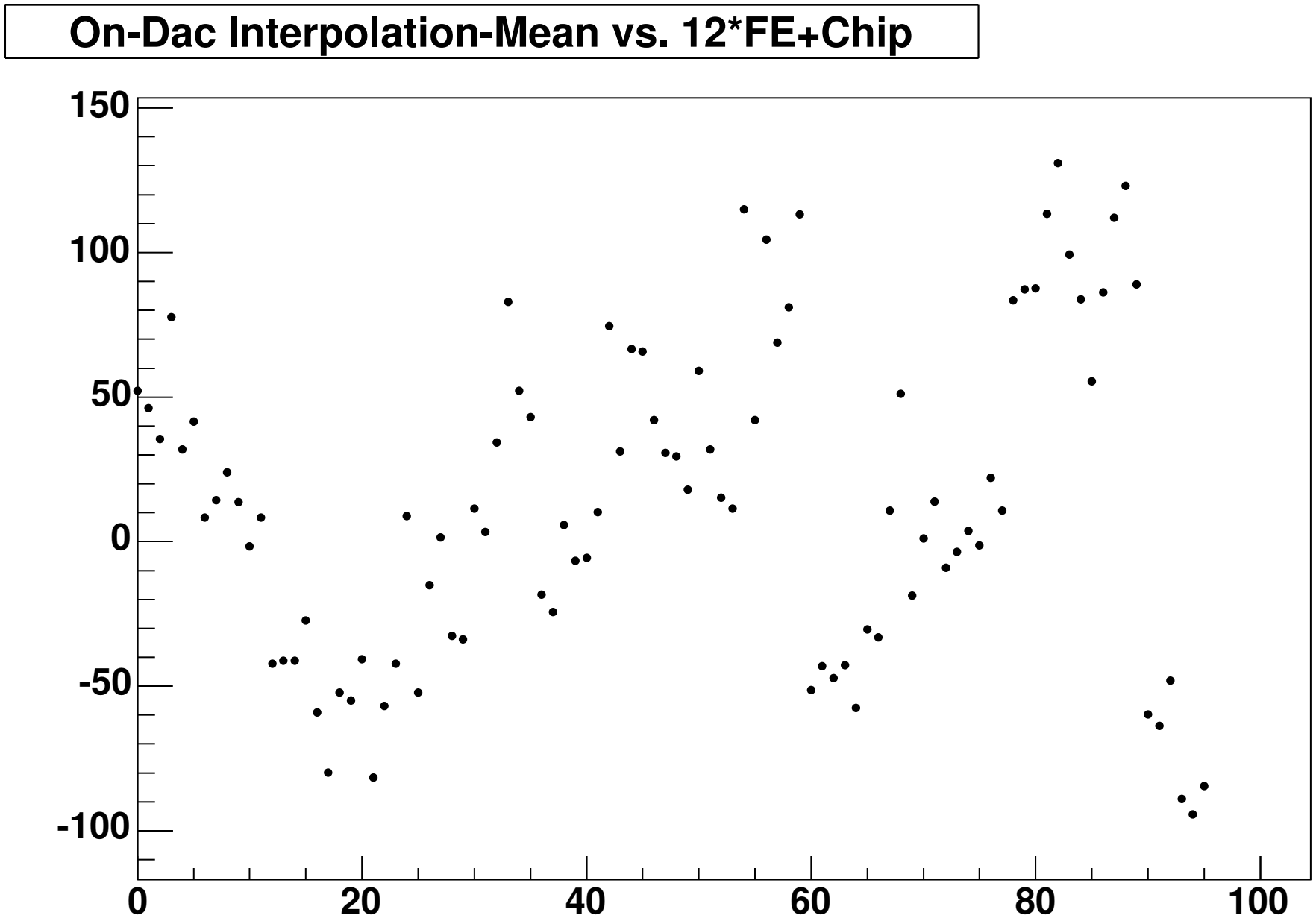

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
40
39
38
37
36
35
34
33
32
0
20
40
60
80
100

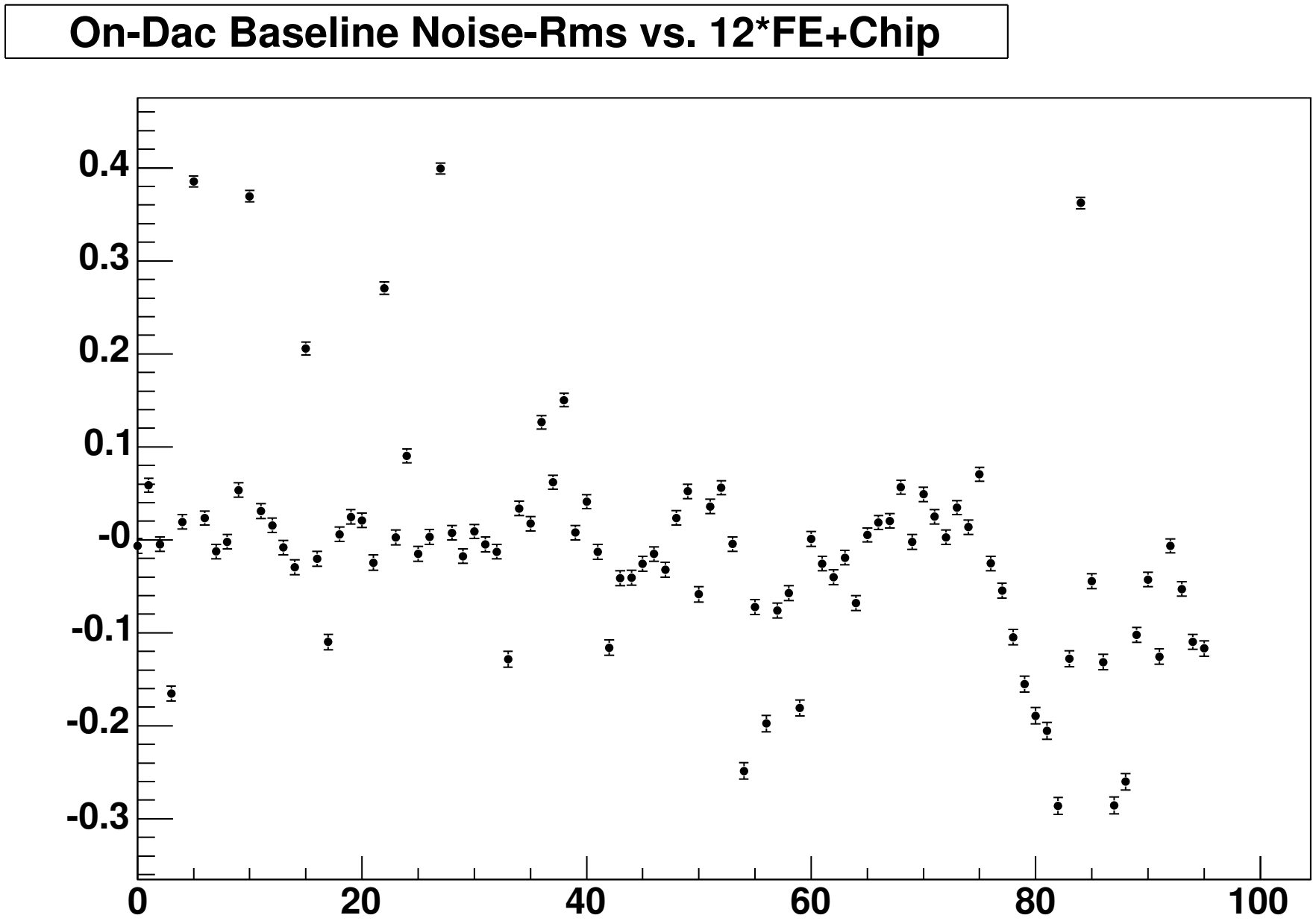

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
140
120
100
80
60
40
20
0
0
20
40
60
80
100

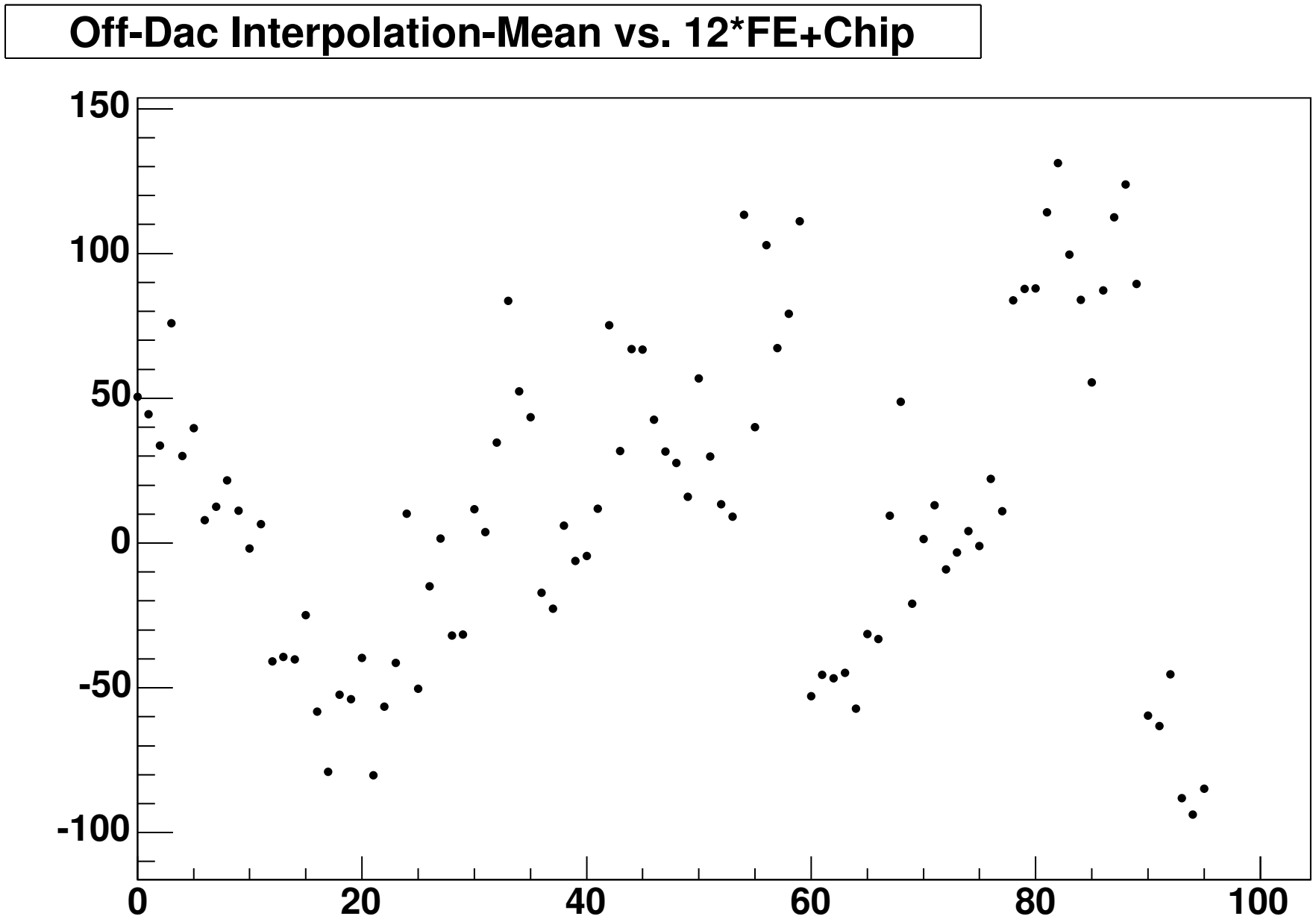

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
1
0
20
40
60
80
100

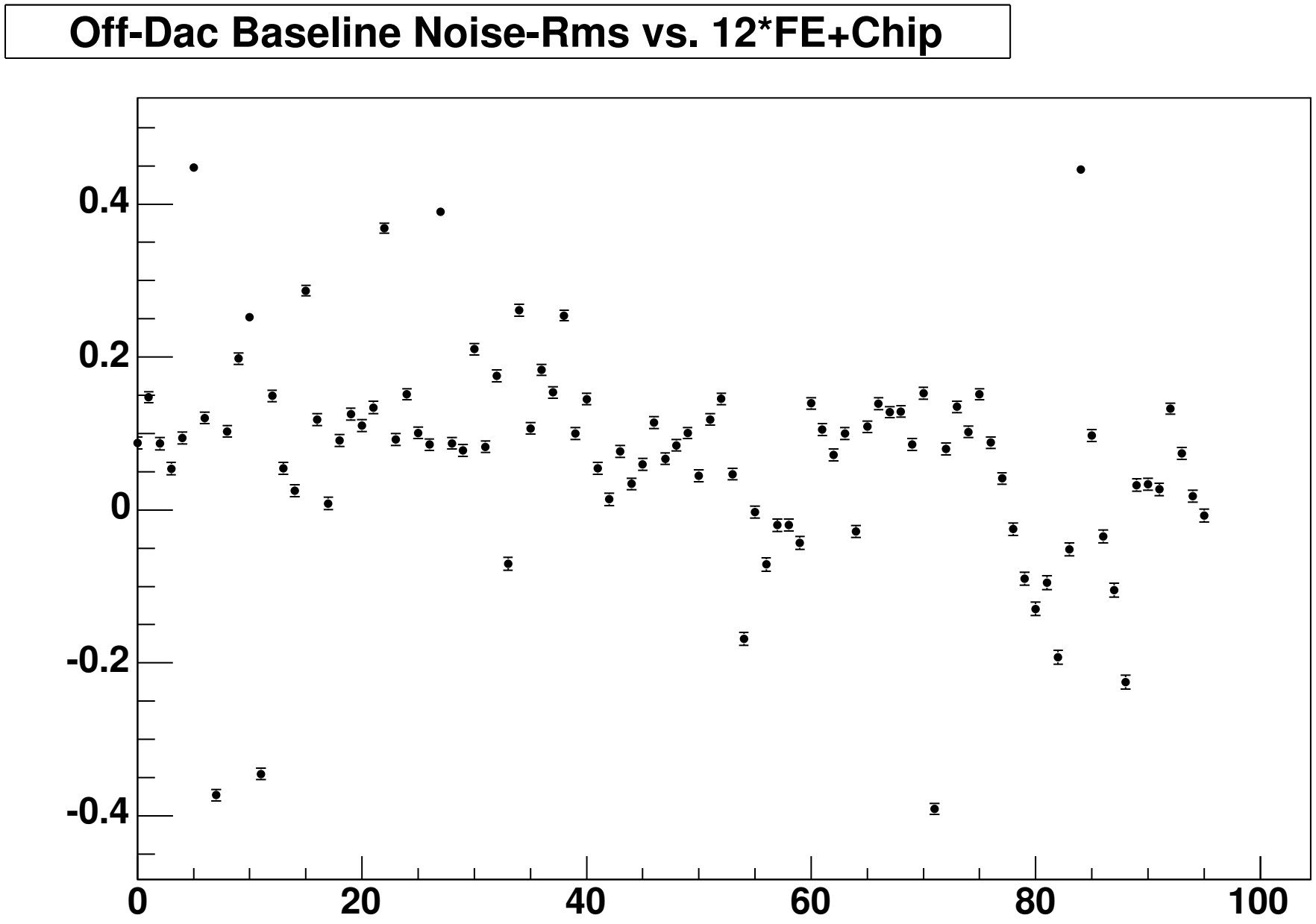

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
15
10
5
0
-5
-10
-15
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
50
40
30
20
10
0
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
150
100
50
0
-50
-100
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.4
0.3
0.2
0.1
-0
-0.1
-0.2
-0.3
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
150
100
50
0
-50
-100
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.4
0.2
0
-0.2
-0.4
0
20
40
60
80
100