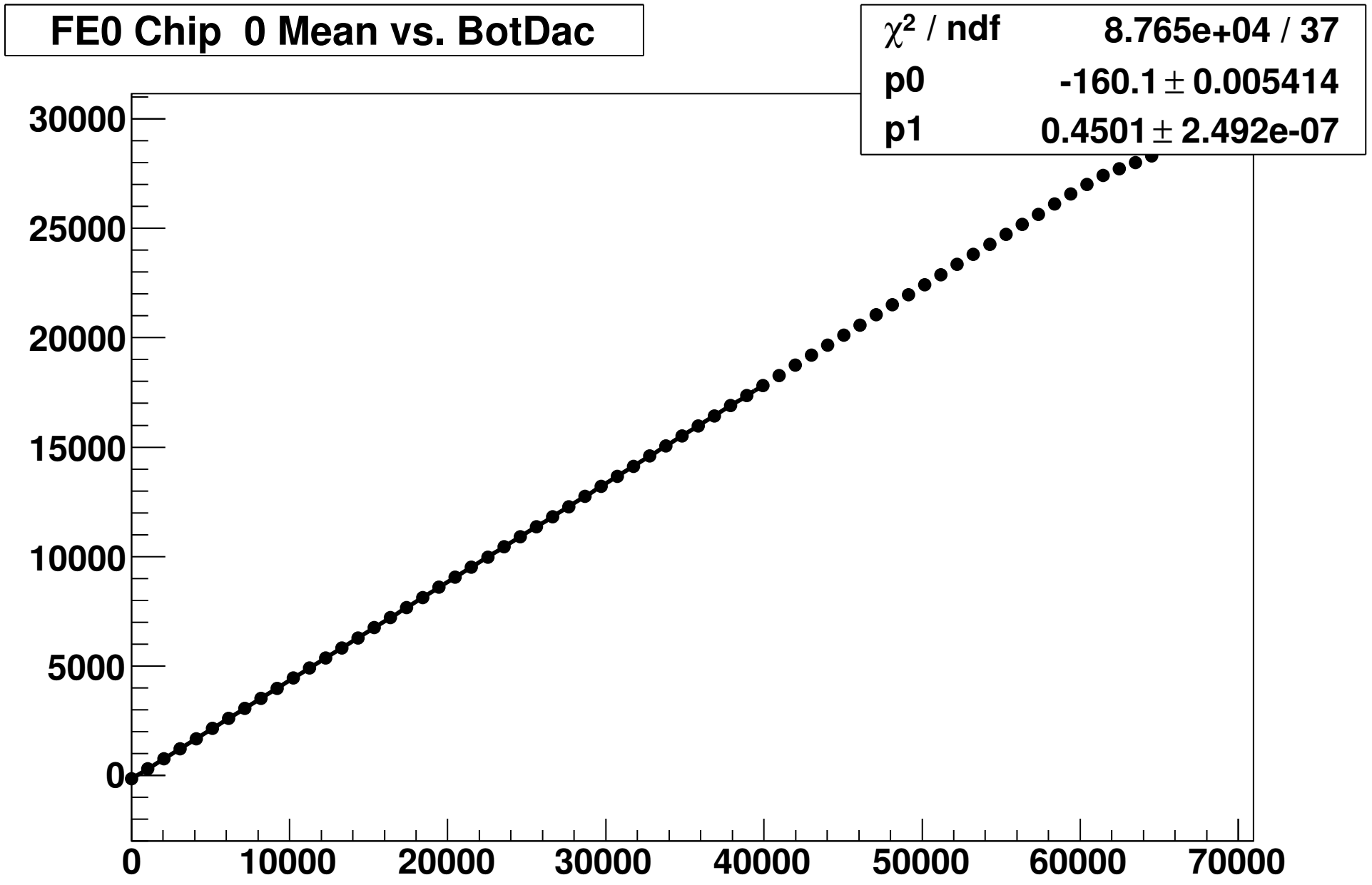
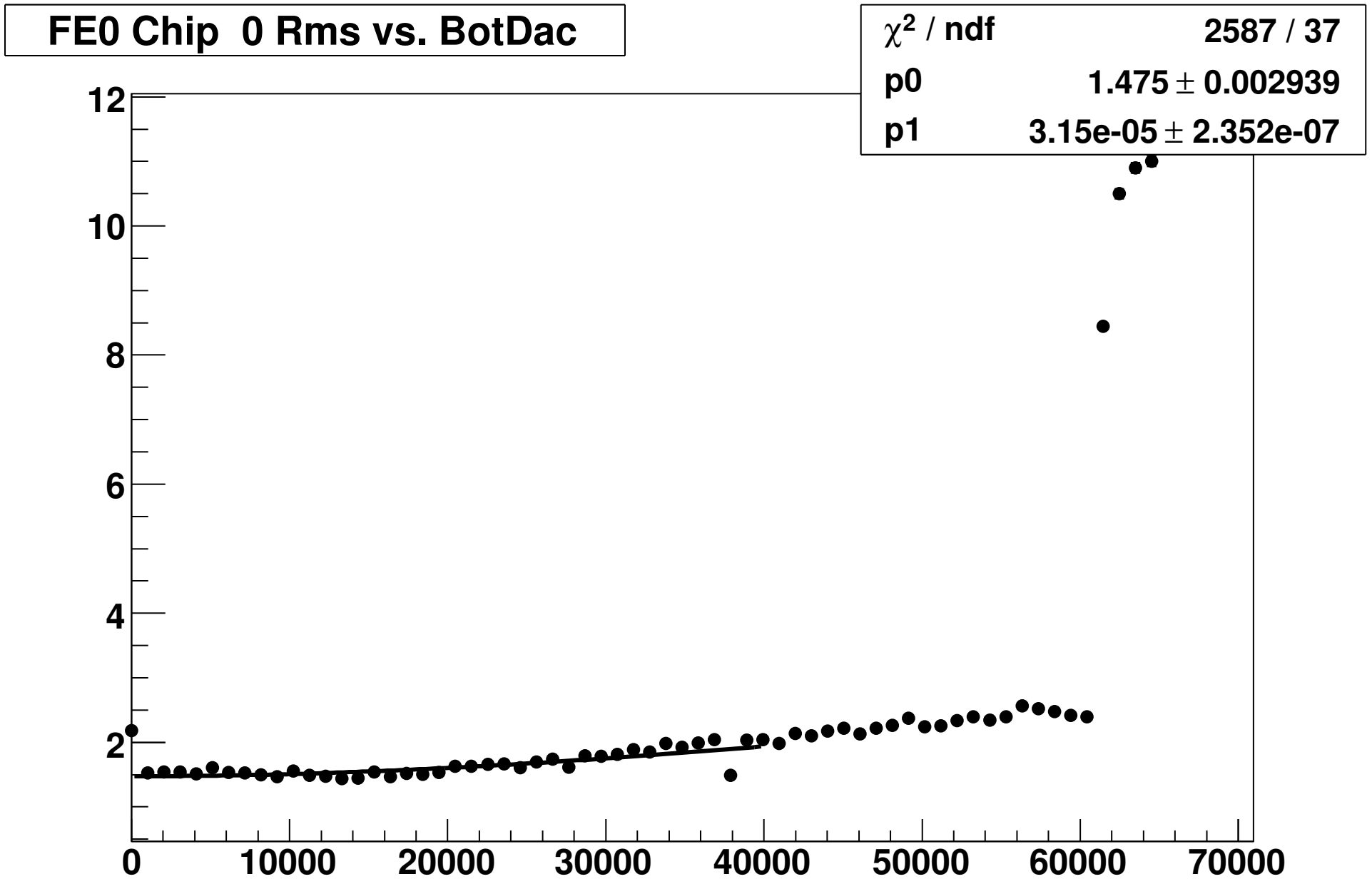
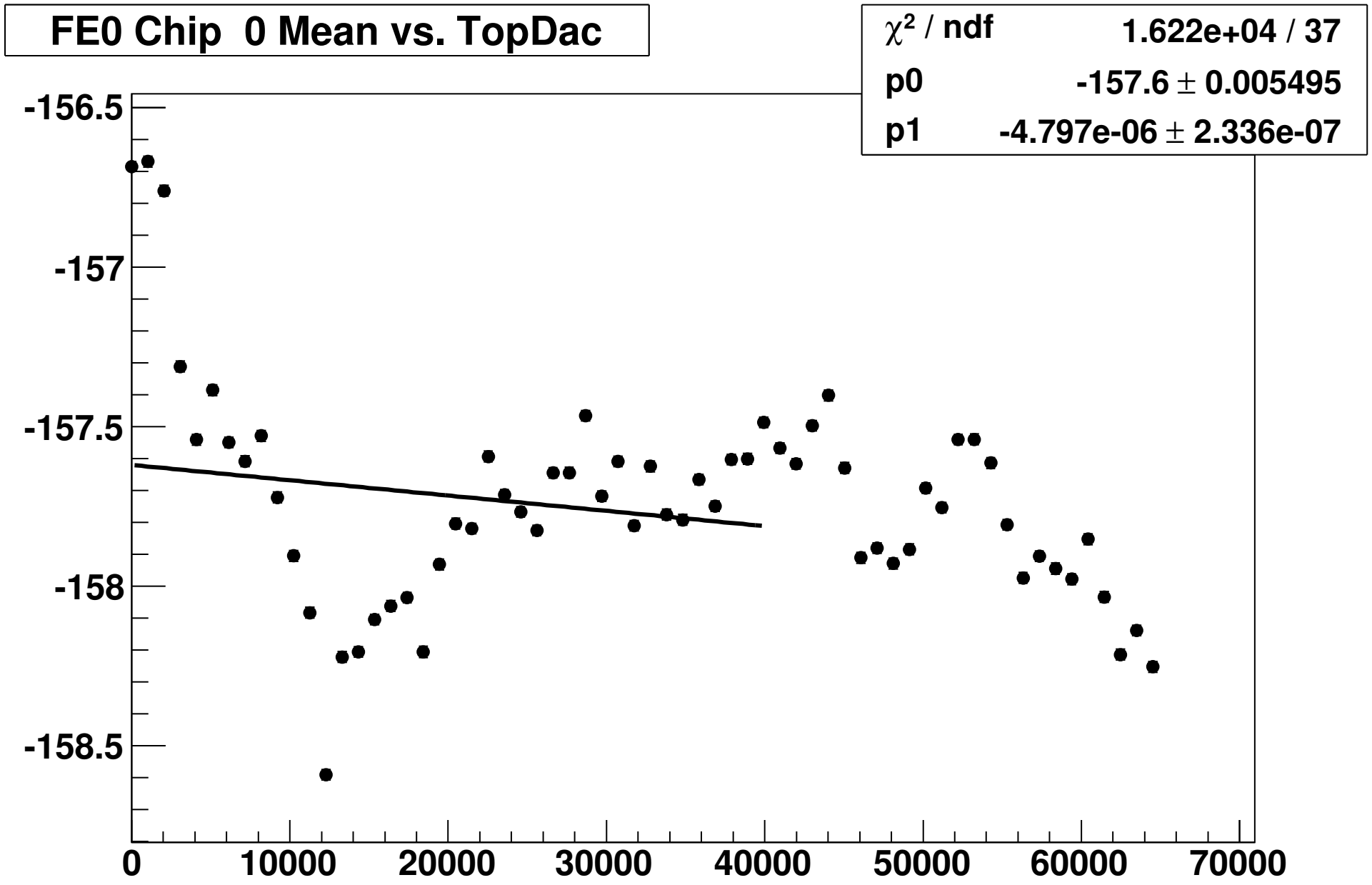
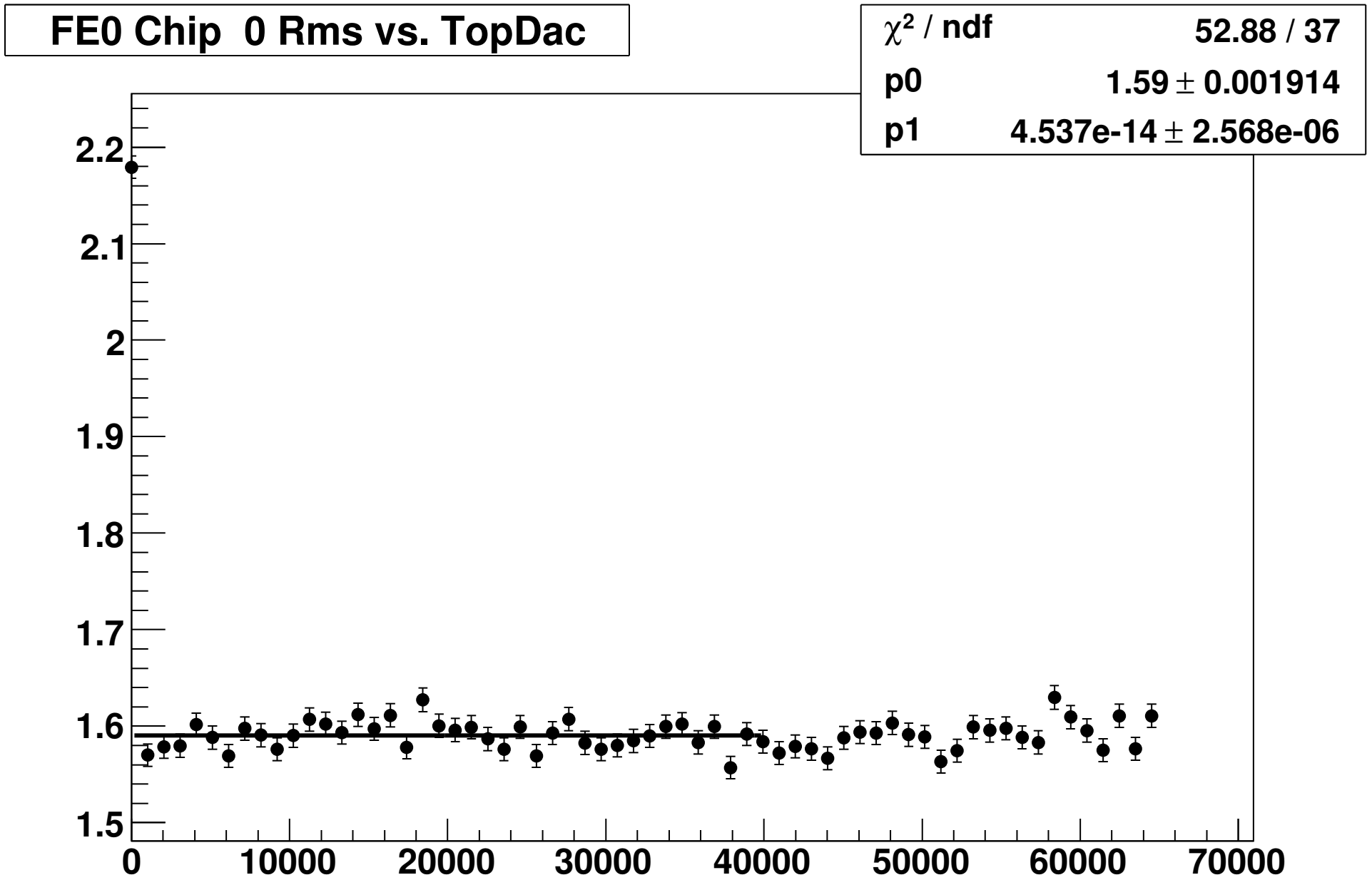
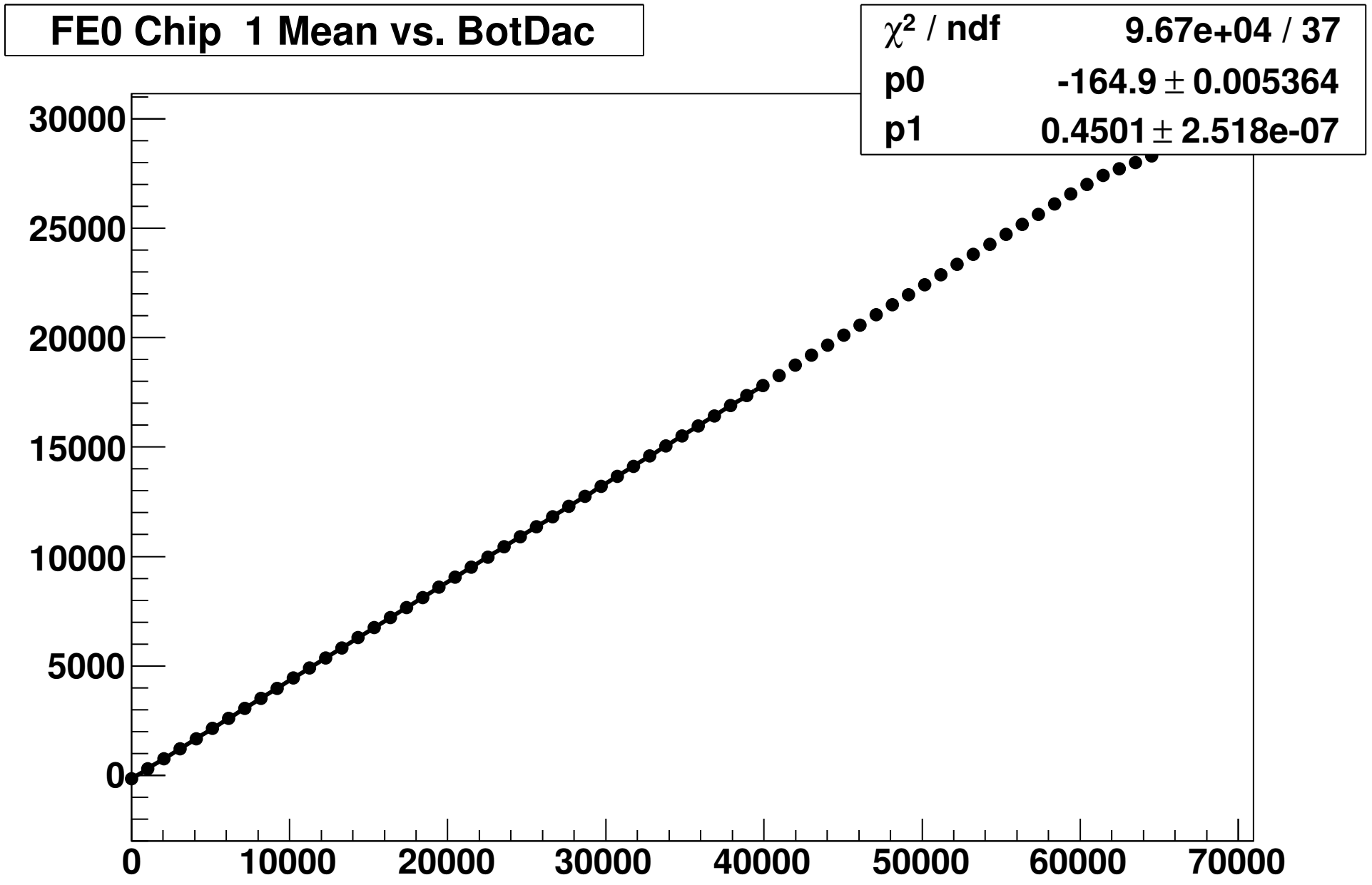

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 8.765e+04 / 37
p0 -160.1 ± 0.005414
p1 0.4501 ± 2.492e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 2587 / 37
p0 1.475 ± 0.002939
p1 3.15e-05 ± 2.352e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 1.622e+04 / 37
p0 -157.6 ± 0.005495
p1 -4.797e-06 ± 2.336e-07
-156.5
-157
-157.5
-158
-158.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 52.88 / 37
p0 1.59 ± 0.001914
p1 4.537e-14 ± 2.568e-06
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 9.67e+04 / 37
p0 -164.9 ± 0.005364
p1 0.4501 ± 2.518e-07
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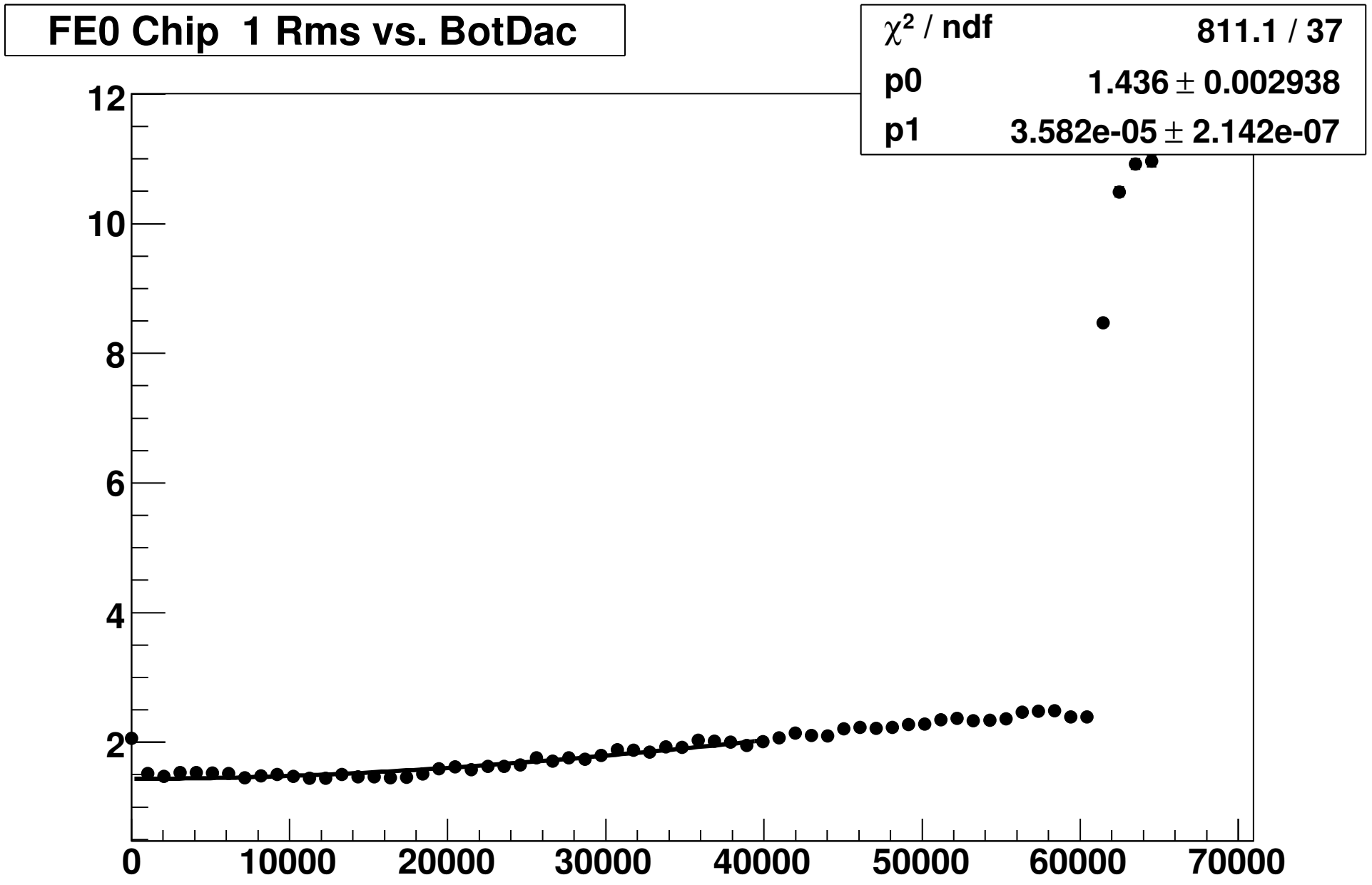
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 811.1 / 37
p0 1.436 ± 0.002938
p1 3.582e-05 ± 2.142e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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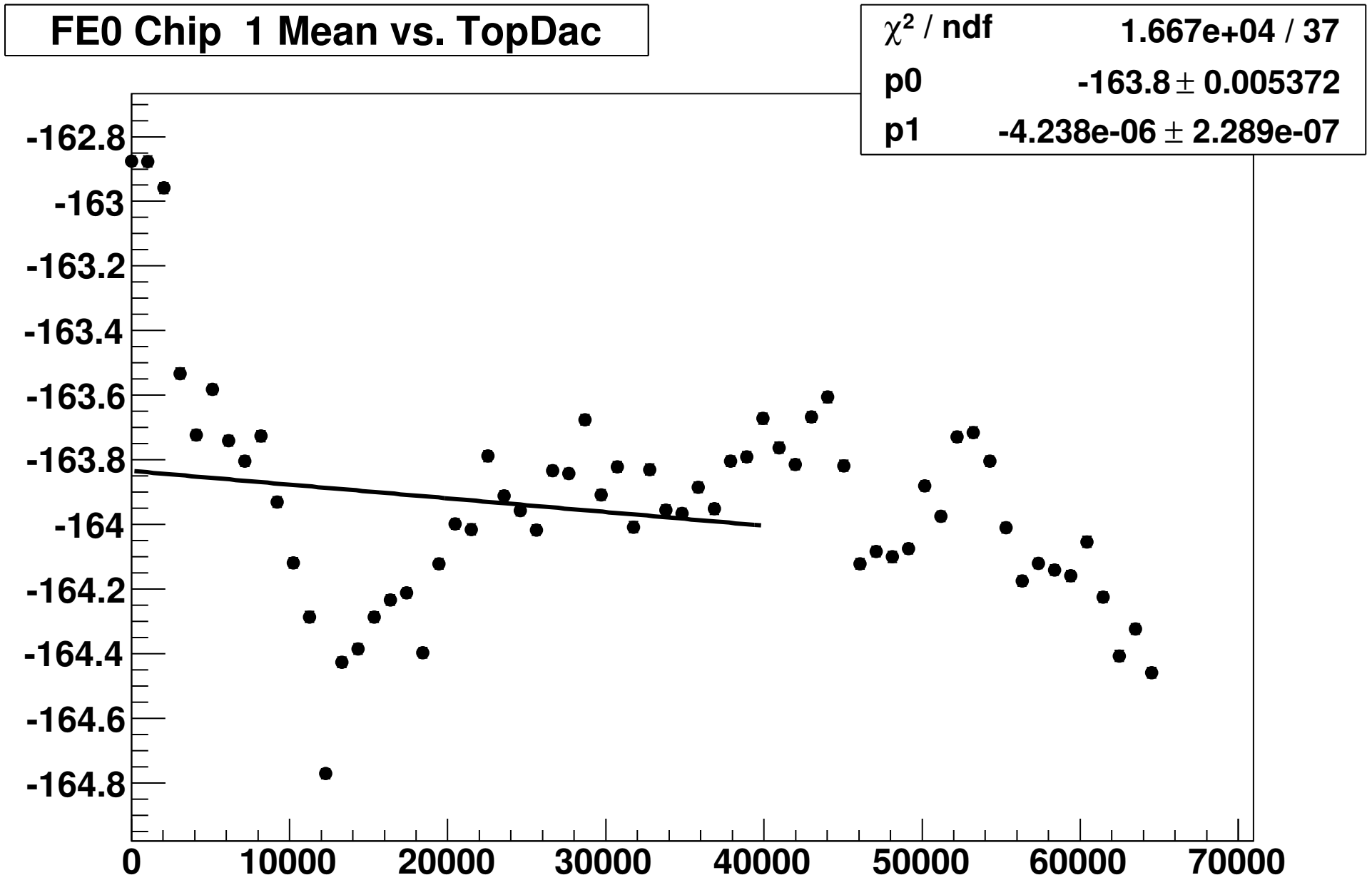
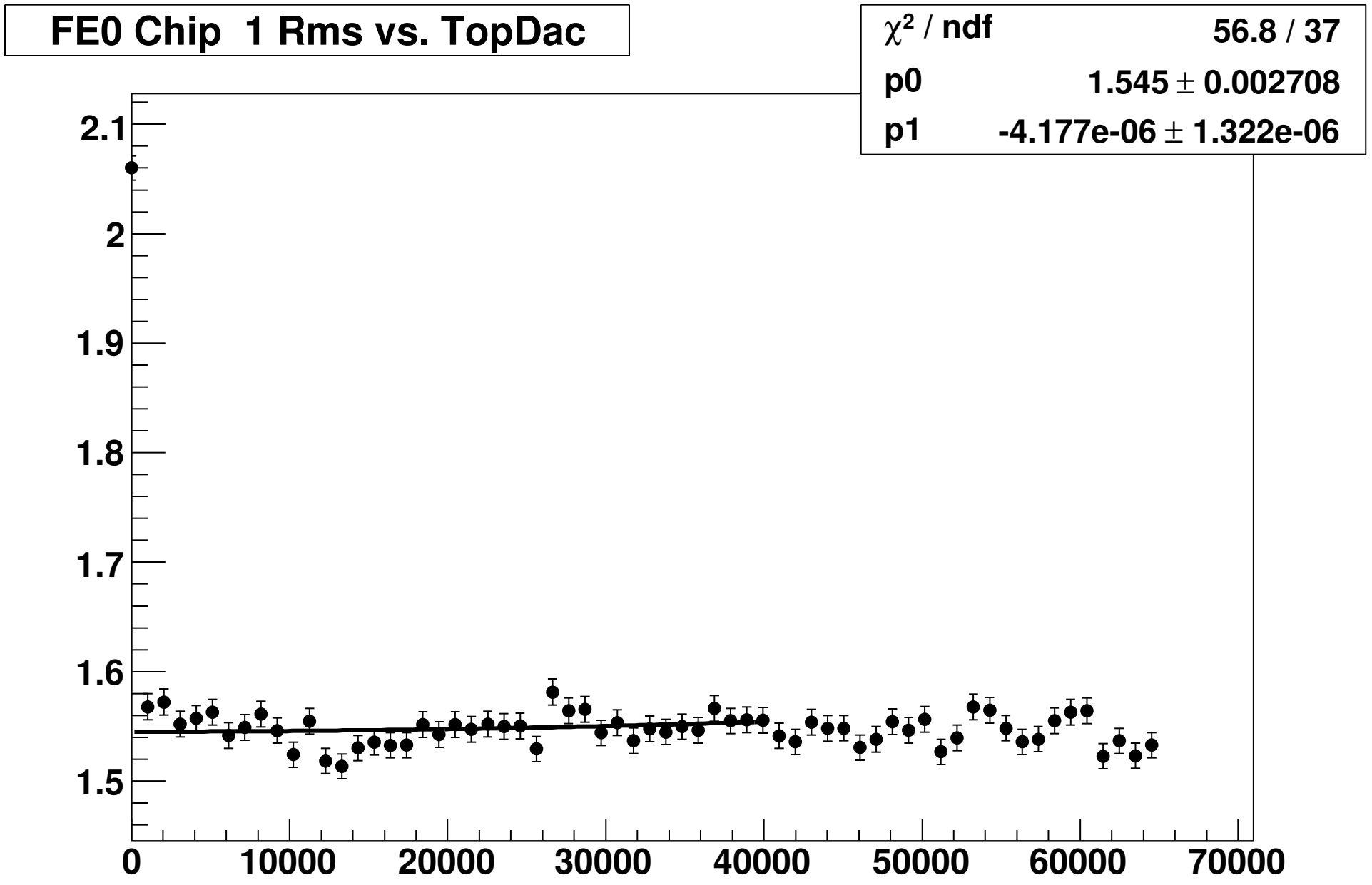
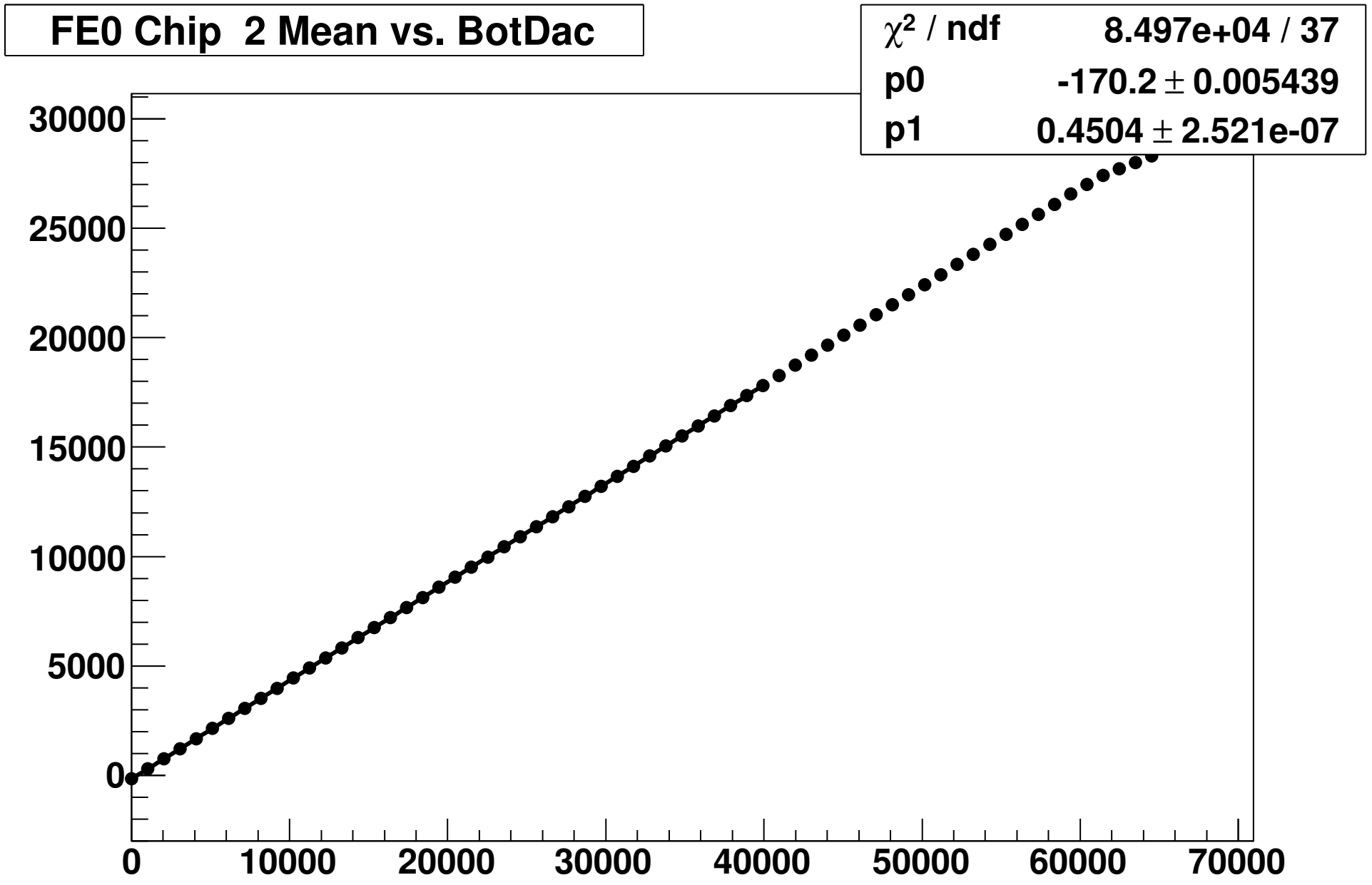
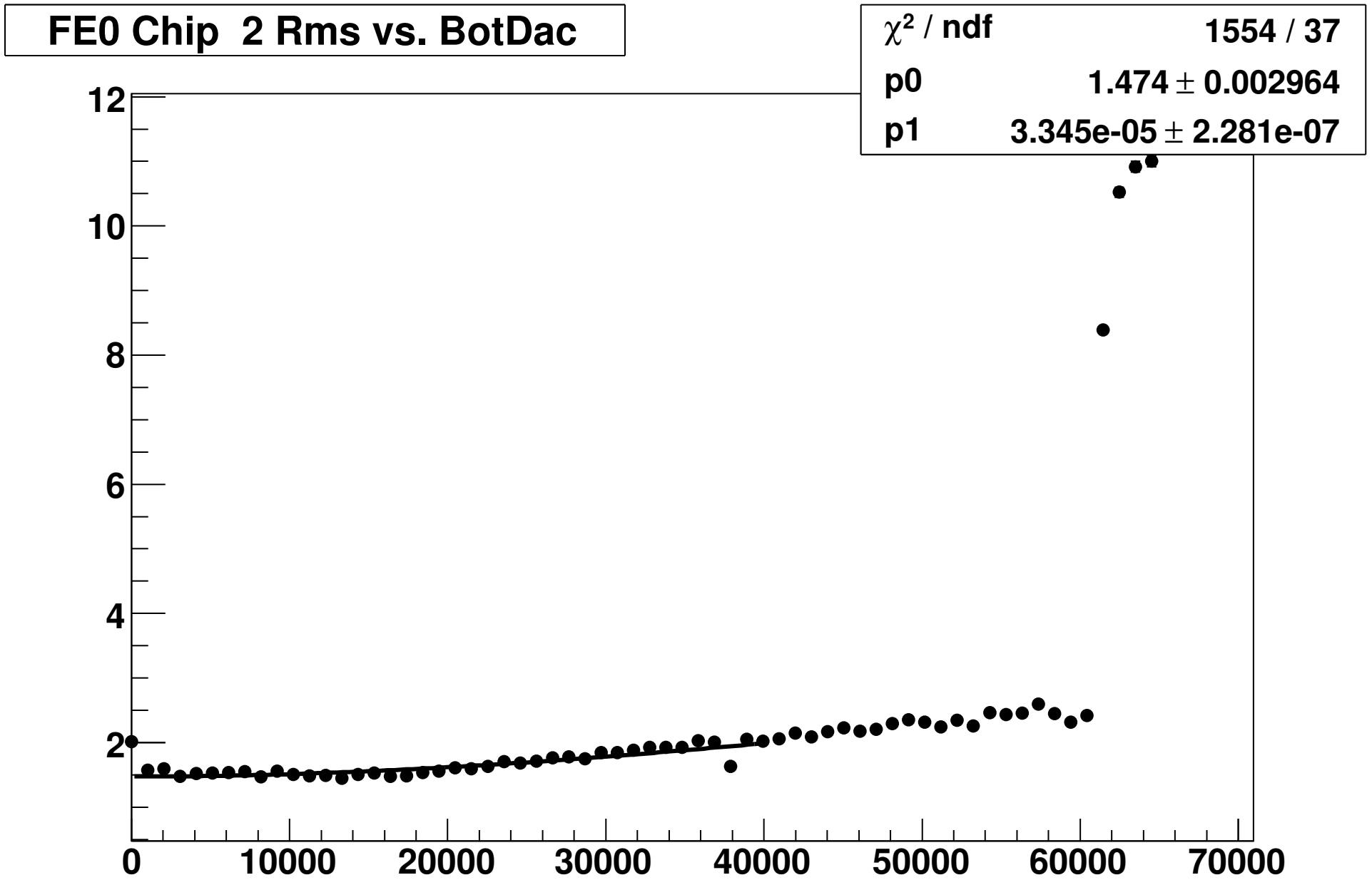
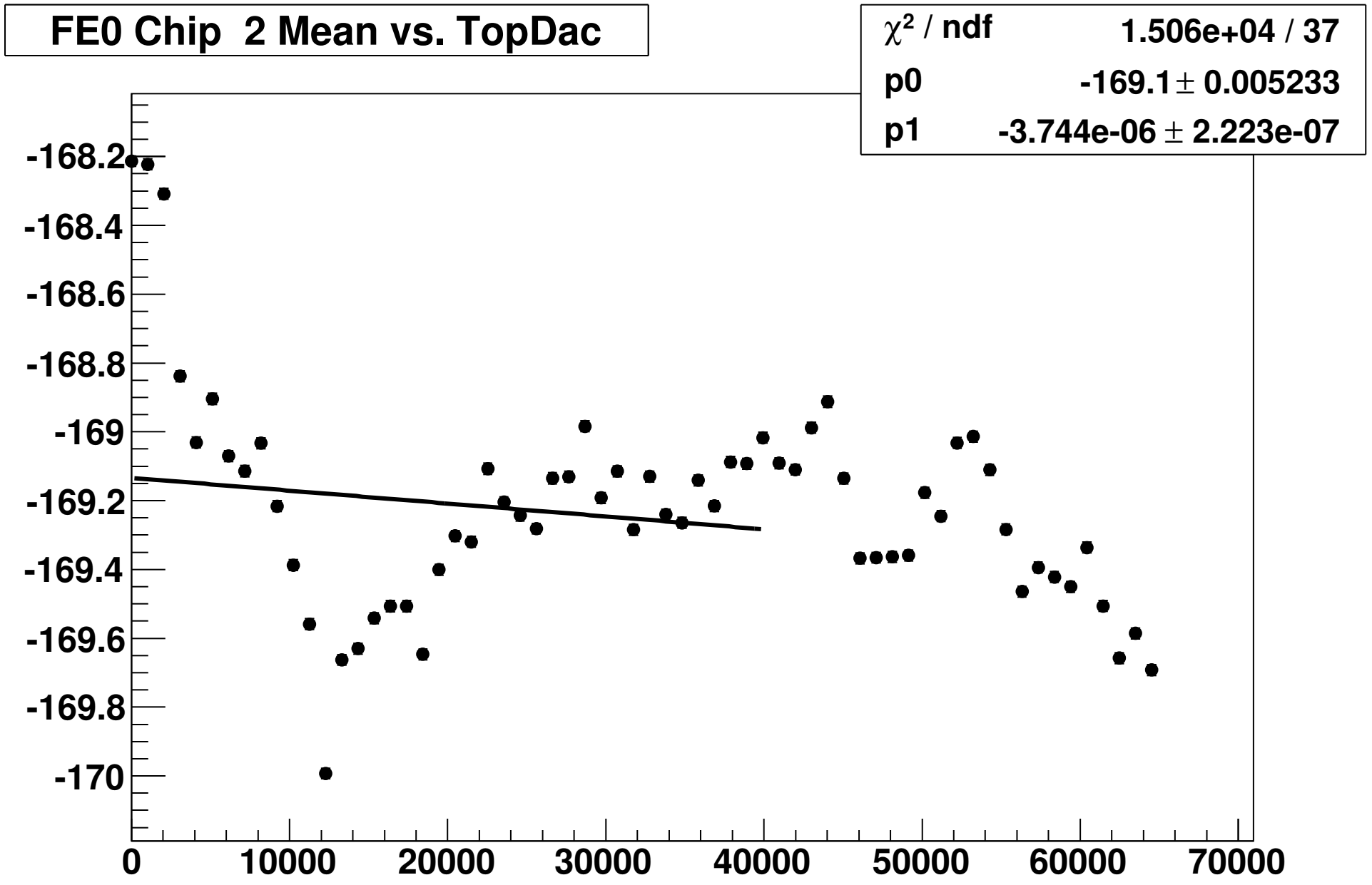
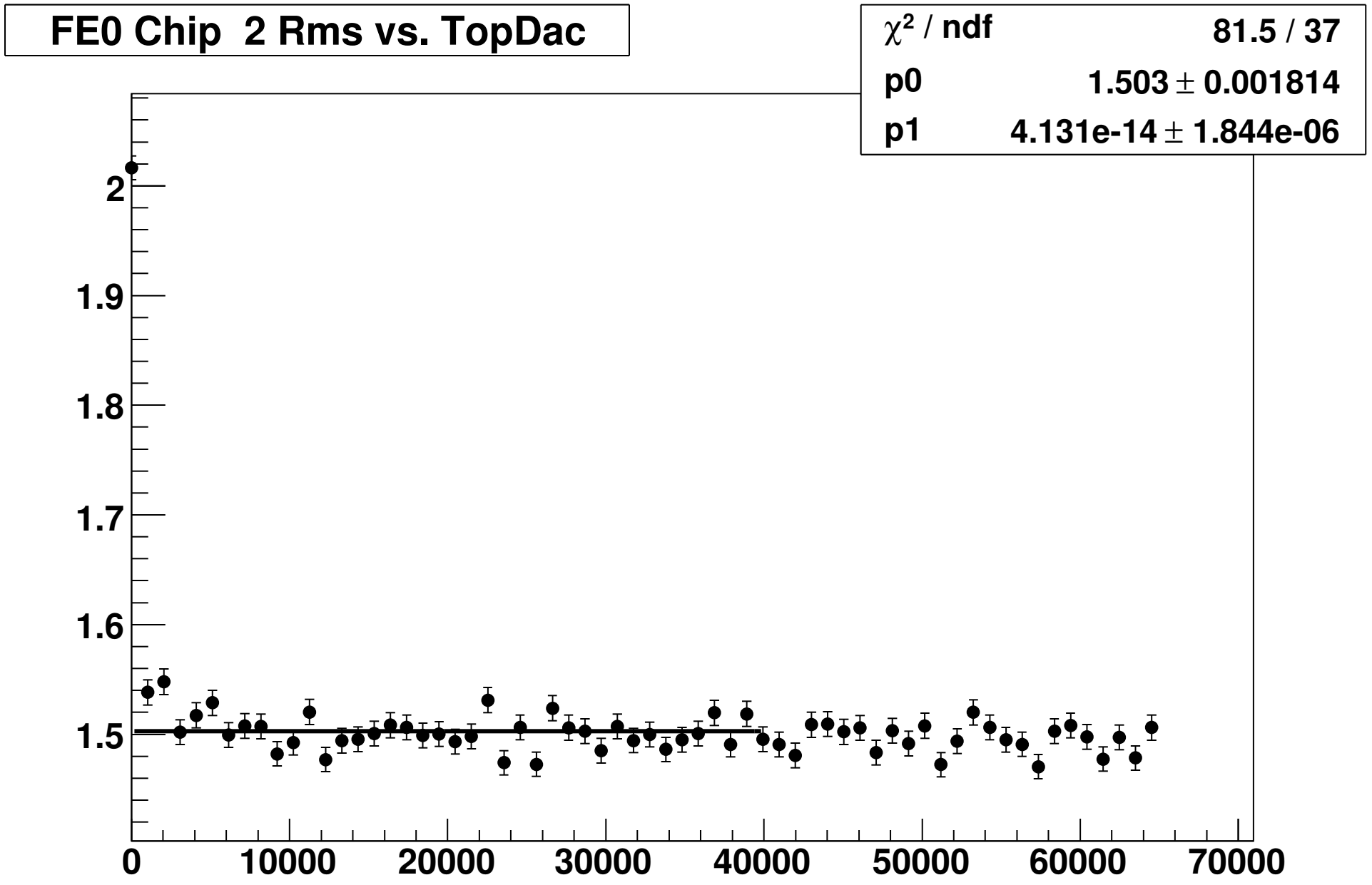

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 1.667e+04 / 37
p0 -163.8 ± 0.005372
p1 -4.238e-06 ± 2.289e-07
-162.8
-163
-163.2
-163.4
-163.6
-163.8
-164
-164.2
-164.4
-164.6
-164.8
0
10000
20000
30000
40000
50000
60000
70000

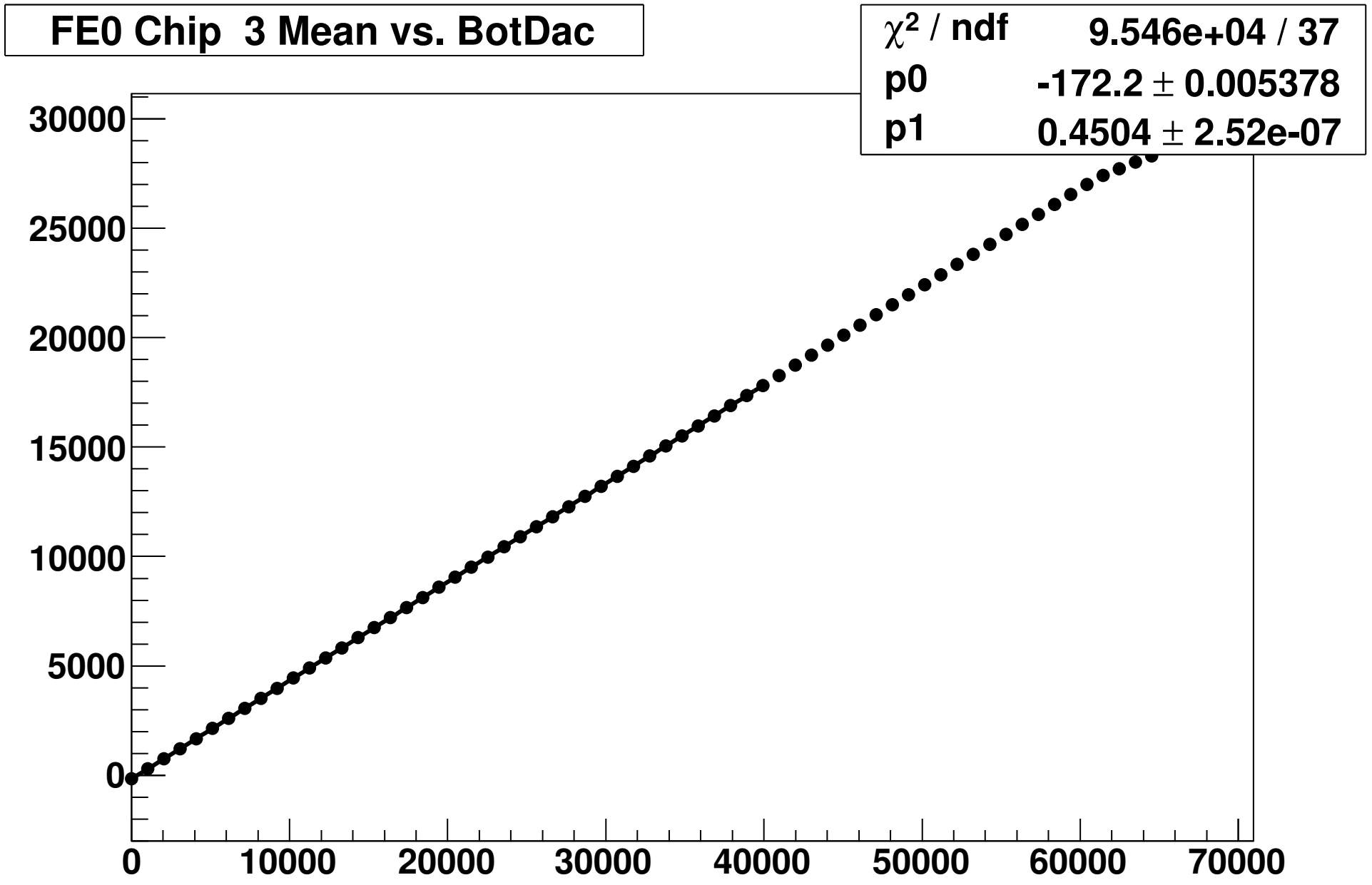

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 56.8 / 37
p0 1.545 ± 0.002708
p1 -4.177e-06 ± 1.322e-06
2.1
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000
70000

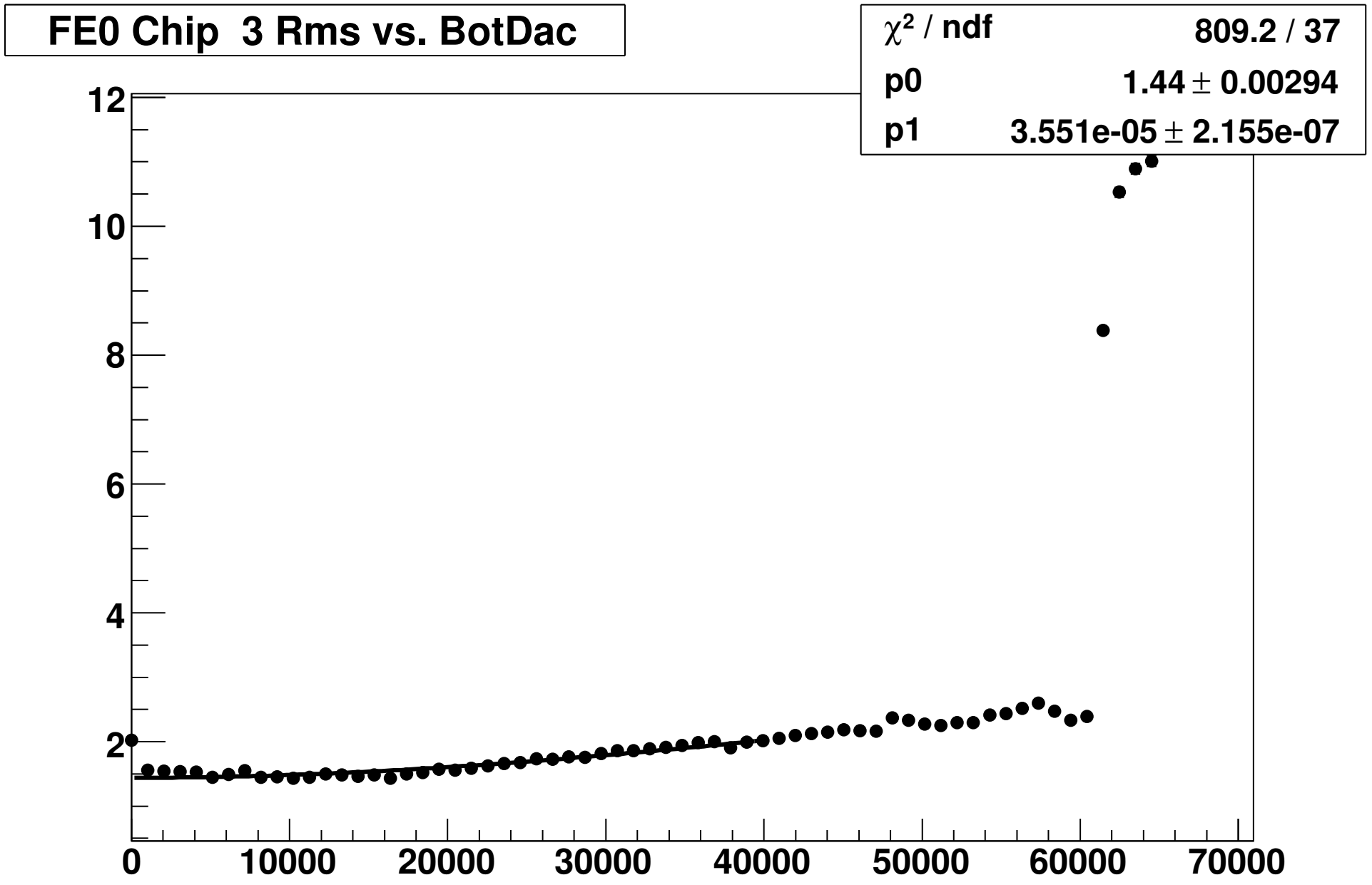

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 8.497e+04 / 37
p0 -170.2 ± 0.005439
p1 0.4504 ± 2.521e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

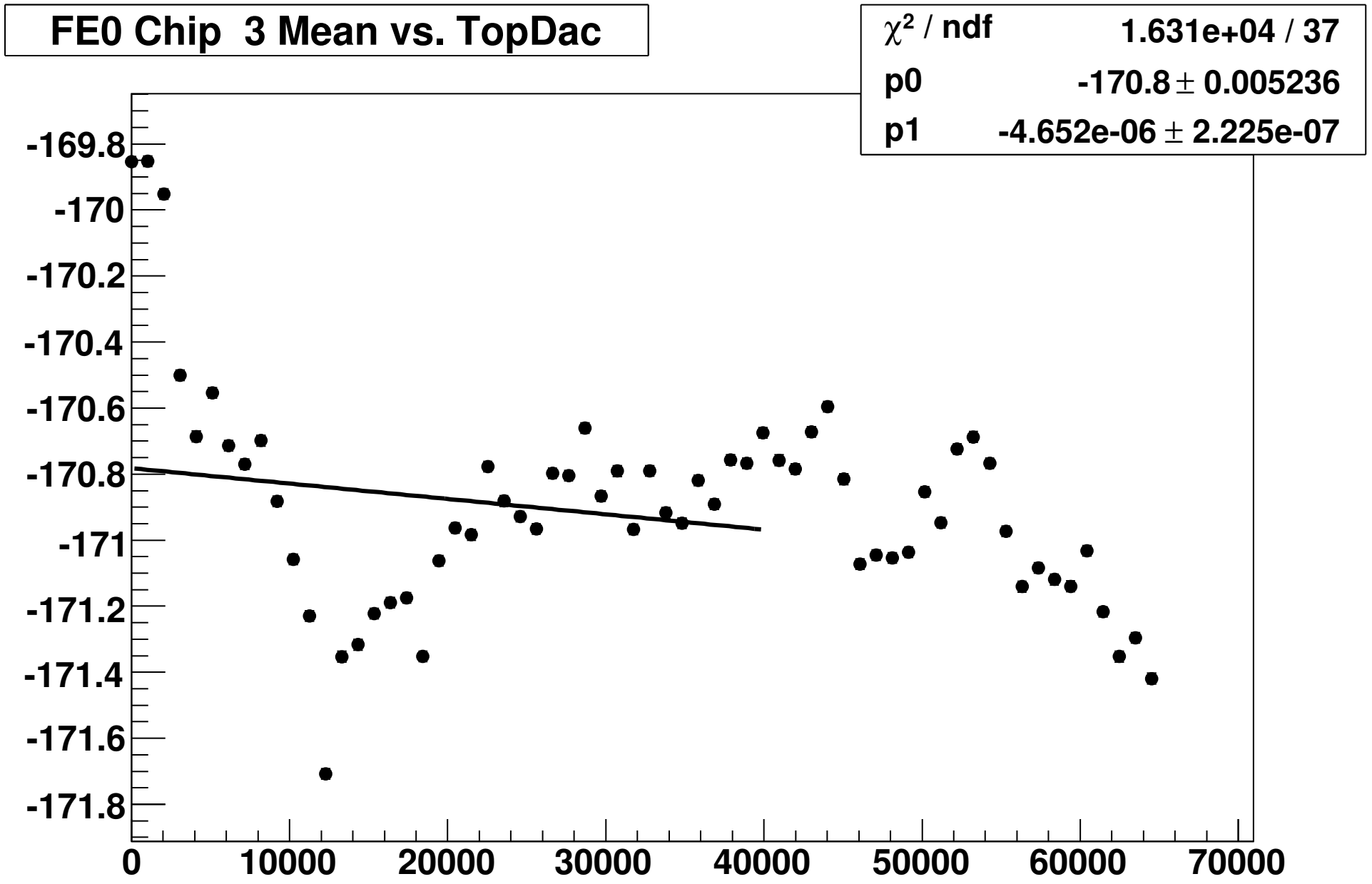

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 1554 / 37
p0 1.474 ± 0.002964
p1 3.345e-05 ± 2.281e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

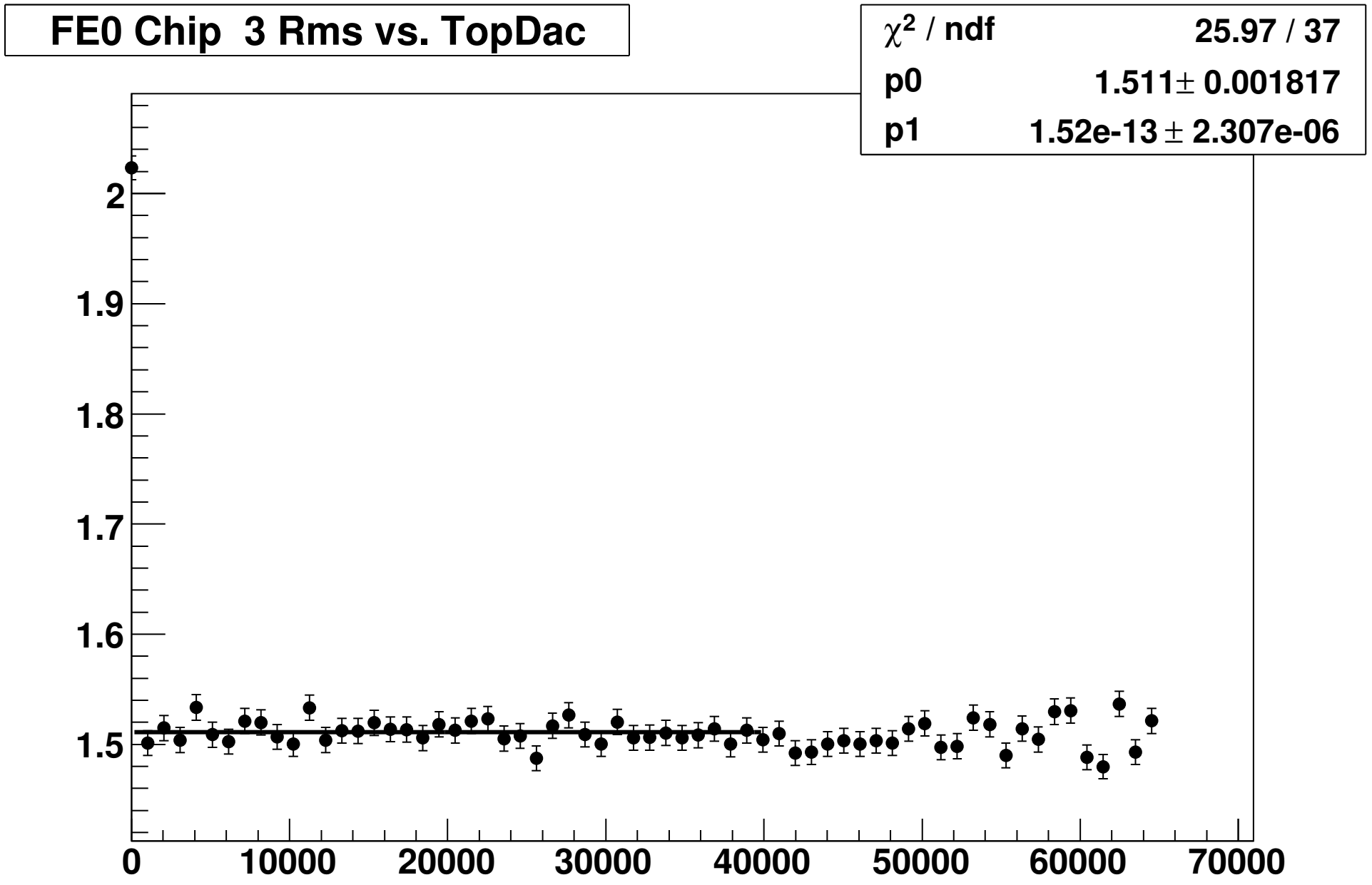

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 1.506e+04 / 37
p0 -169.1 ± 0.005233
p1 -3.744e-06 ± 2.223e-07
-168.2
-168.4
-168.6
-168.8
-169
-169.2
-169.4
-169.6
-169.8
-170
0
10000
20000
30000
40000
50000
60000
70000

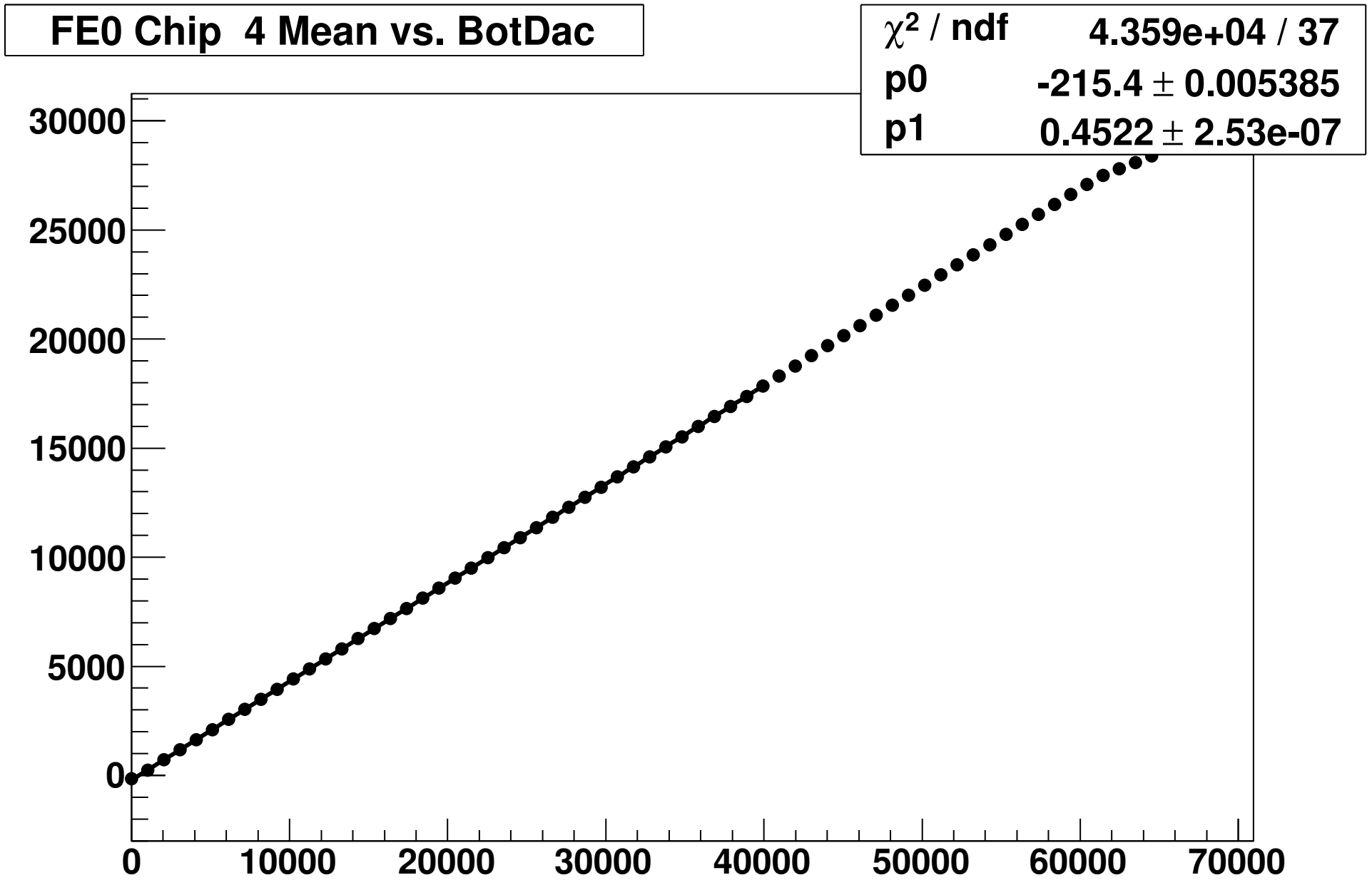

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 81.5 / 37
p0 1.503 ± 0.001814
p1 4.131e-14 ± 1.844e-06
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000
70000

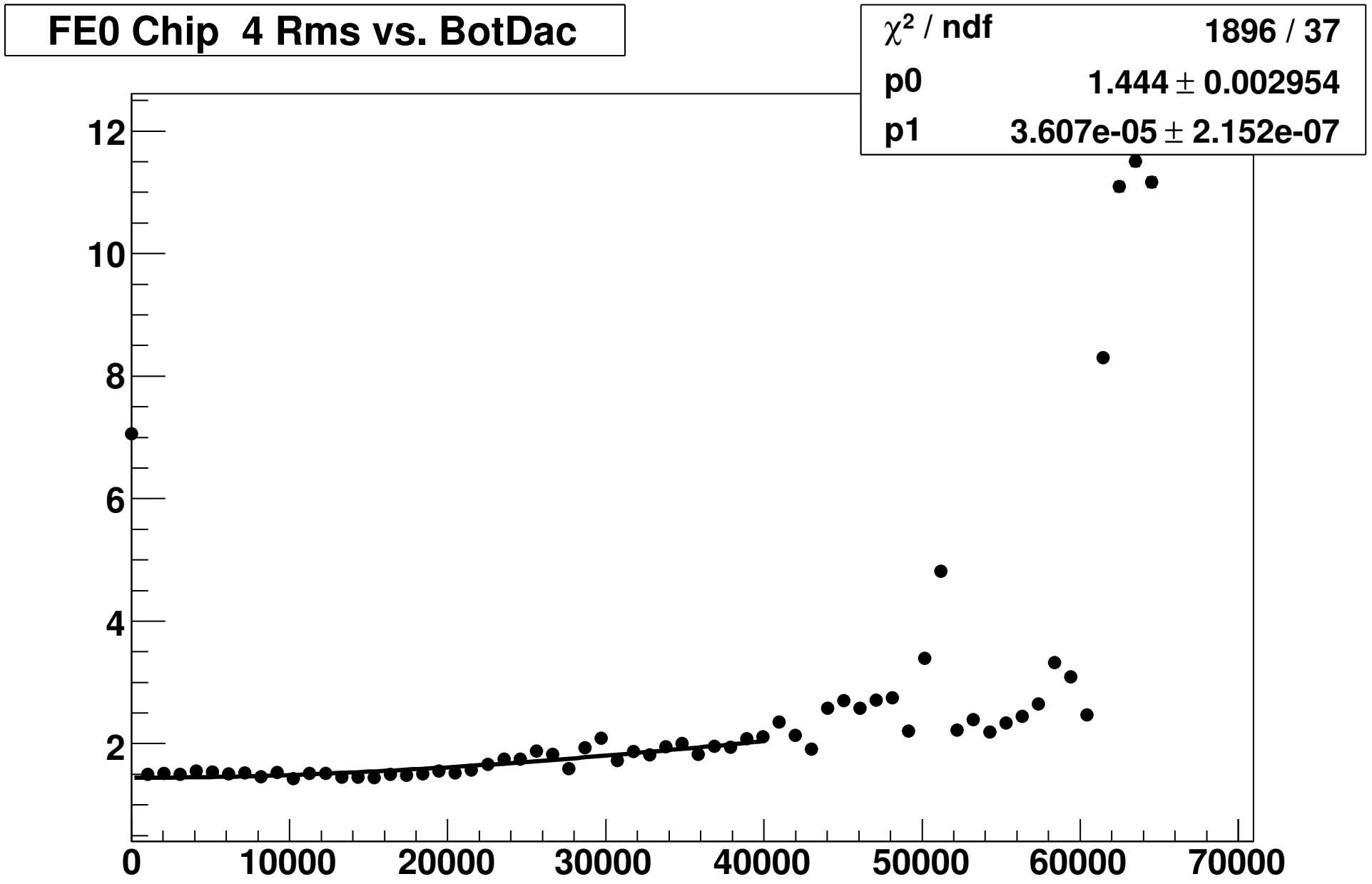

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 9.546e+04 / 37
p0 -172.2 ± 0.005378
p1 0.4504 ± 2.52e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

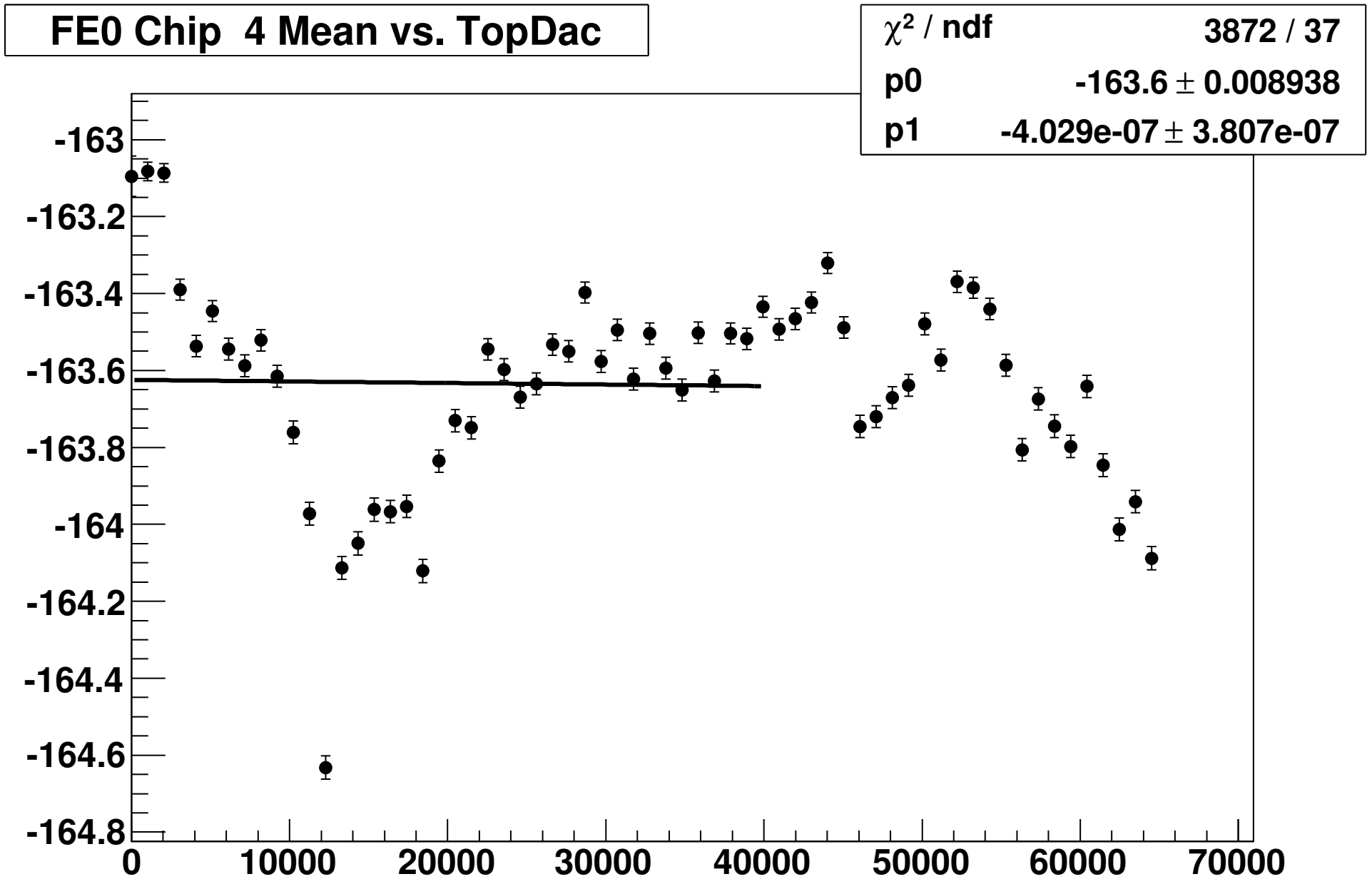

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 809.2 / 37
p0 1.44 ± 0.00294
p1 3.551e-05 ± 2.155e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

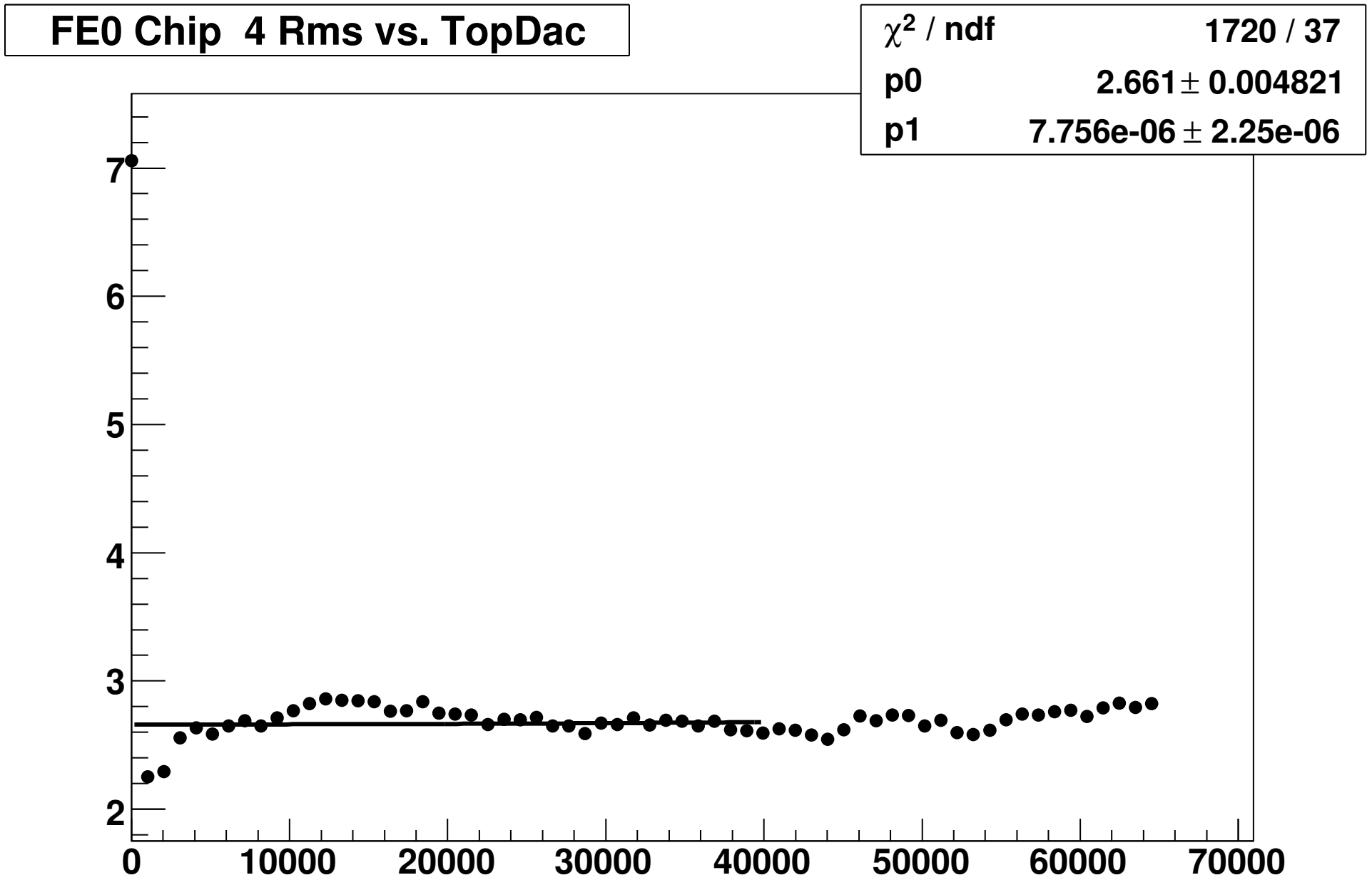

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 1.631e+04 / 37
p0 -170.8 ± 0.005236
p1 -4.652e-06 ± 2.225e-07
-169.8
-170
-170.2
-170.4
-170.6
-170.8
-171
-171.2
-171.4
-171.6
-171.8
0
10000
20000
30000
40000
50000
60000
70000

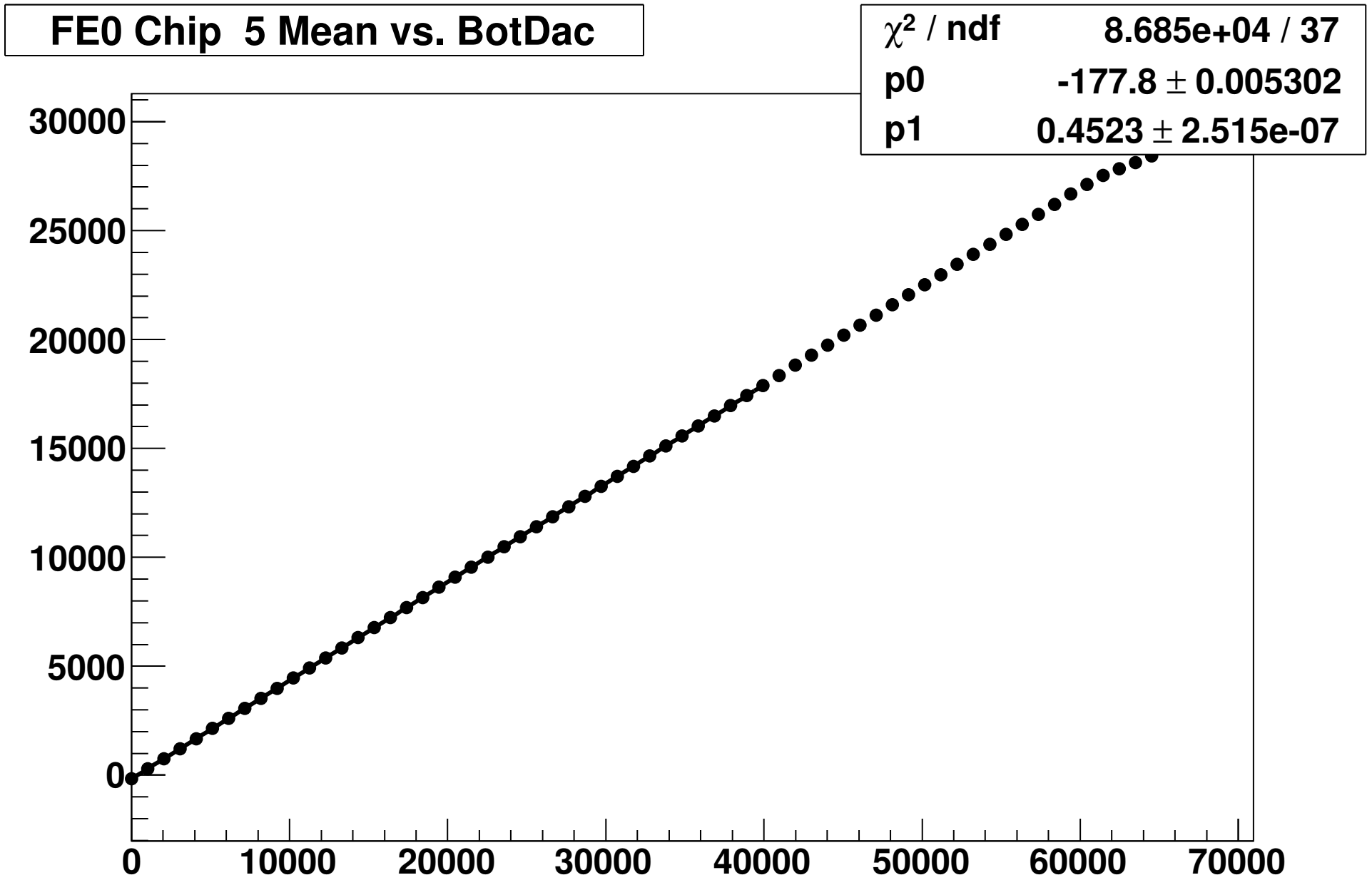

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 25.97 / 37
p0 1.511 ± 0.001817
p1 1.52e-13 ± 2.307e-06
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000
70000

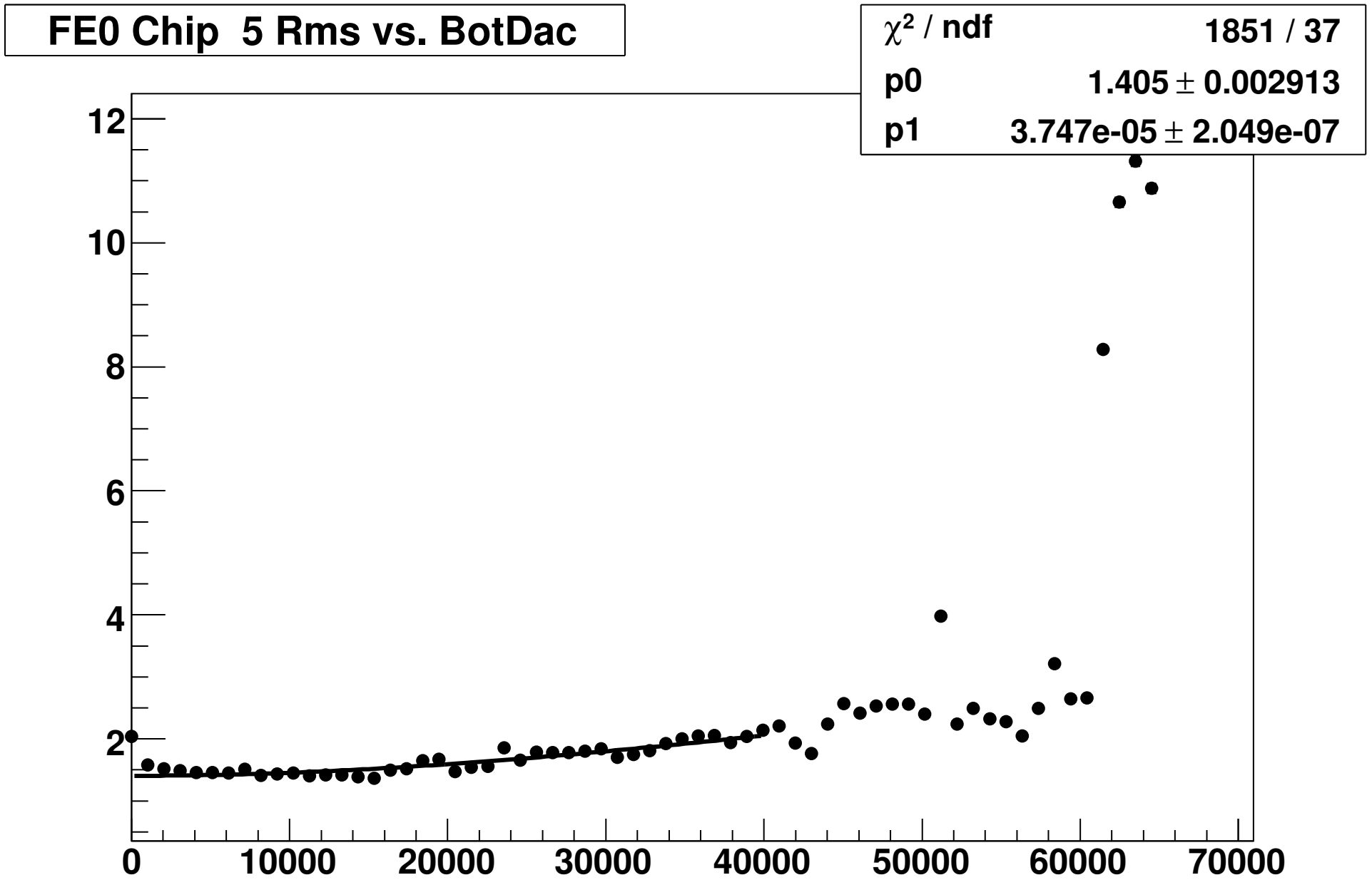

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 4.359e+04 / 37
p0 -215.4 ± 0.005385
p1 0.4522 ± 2.53e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

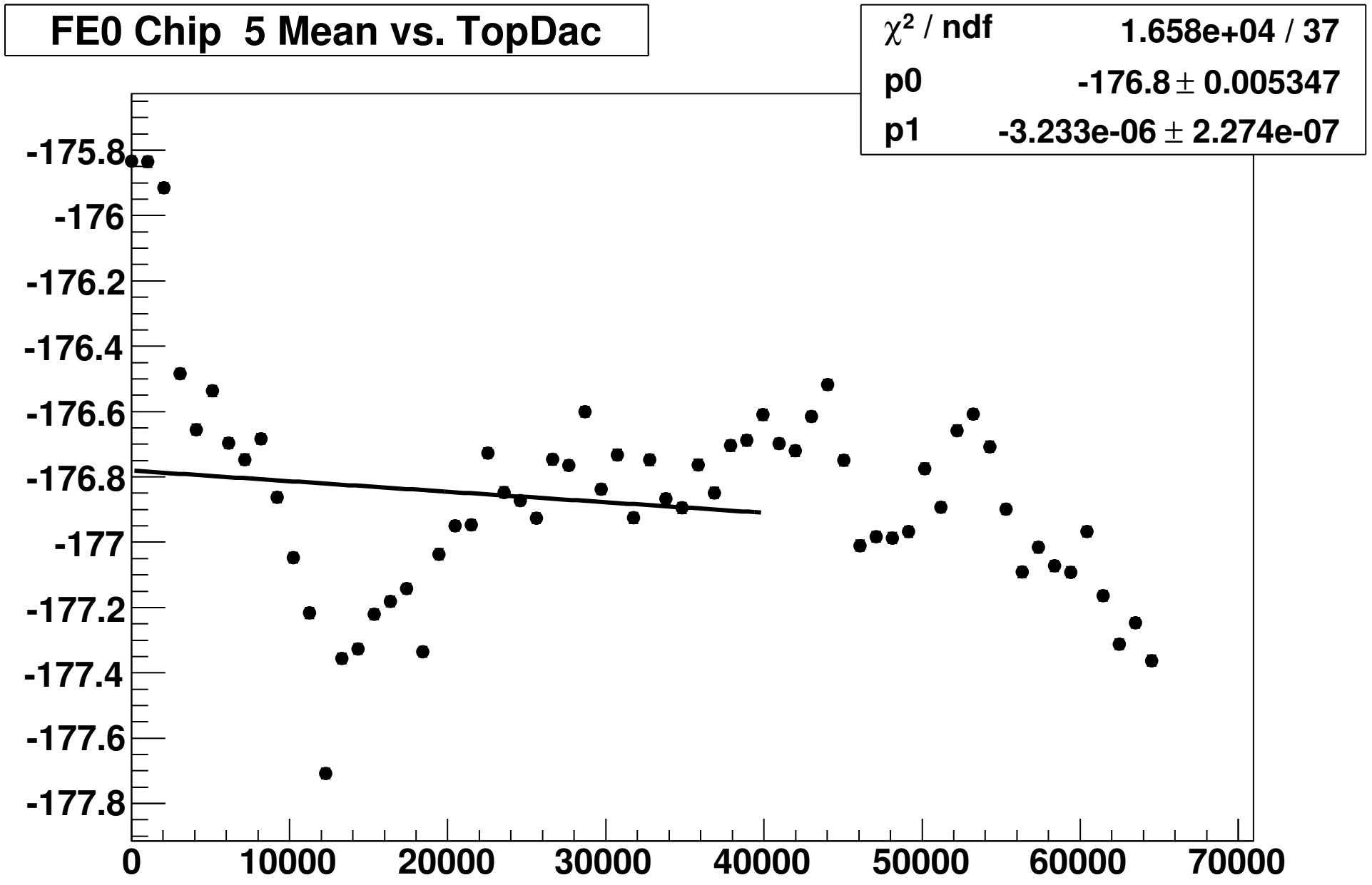

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 1896 / 37
p0 1.444 ± 0.002954
p1 3.607e-05 ± 2.152e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

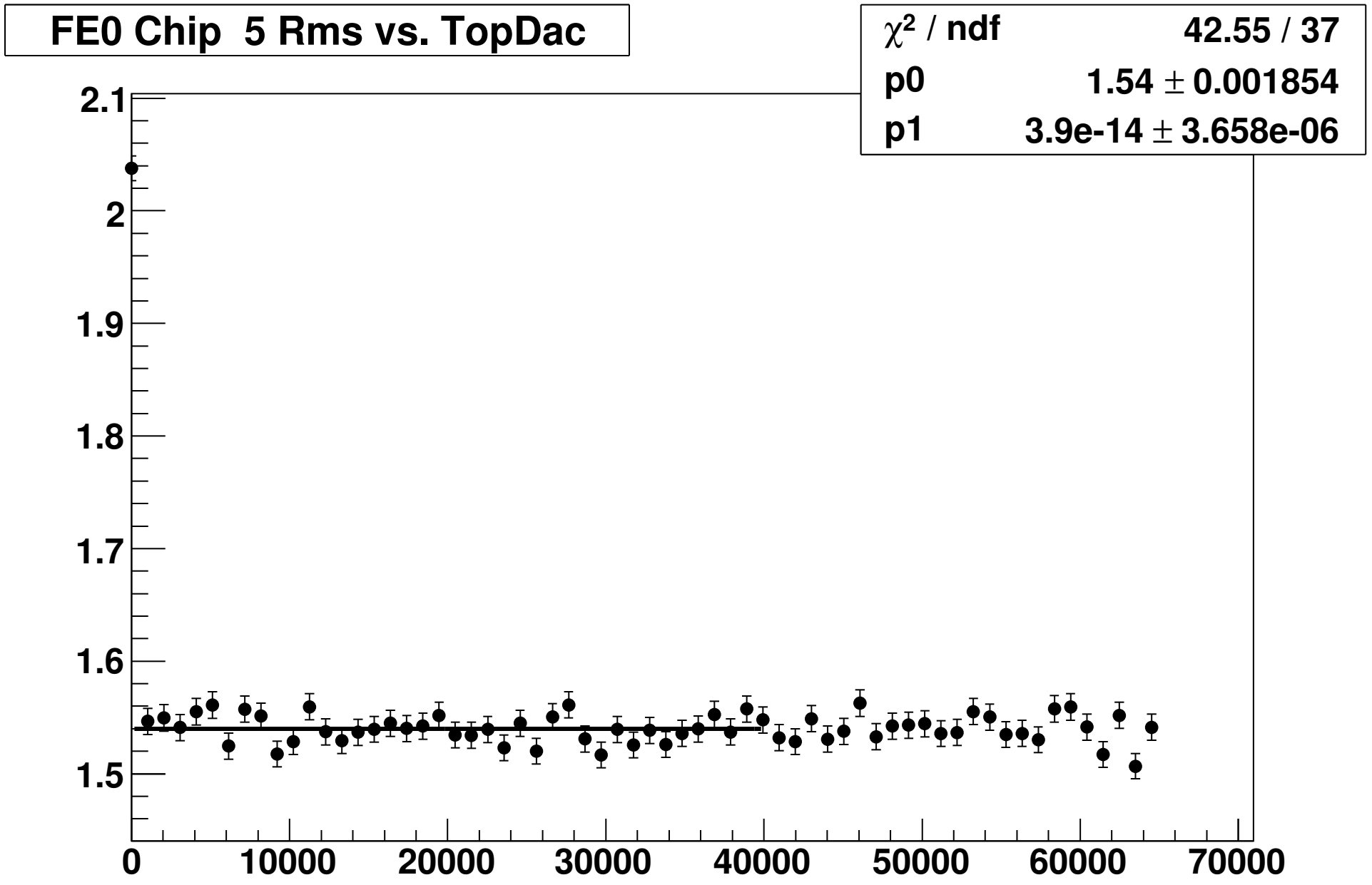

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 3872 / 37
p0 -163.6 ± 0.008938
p1 -4.029e-07 ± 3.807e-07
-163
-163.2
-163.4
-163.6
-163.8
-164
-164.2
-164.4
-164.6
-164.8
0
10000
20000
30000
40000
50000
60000
70000

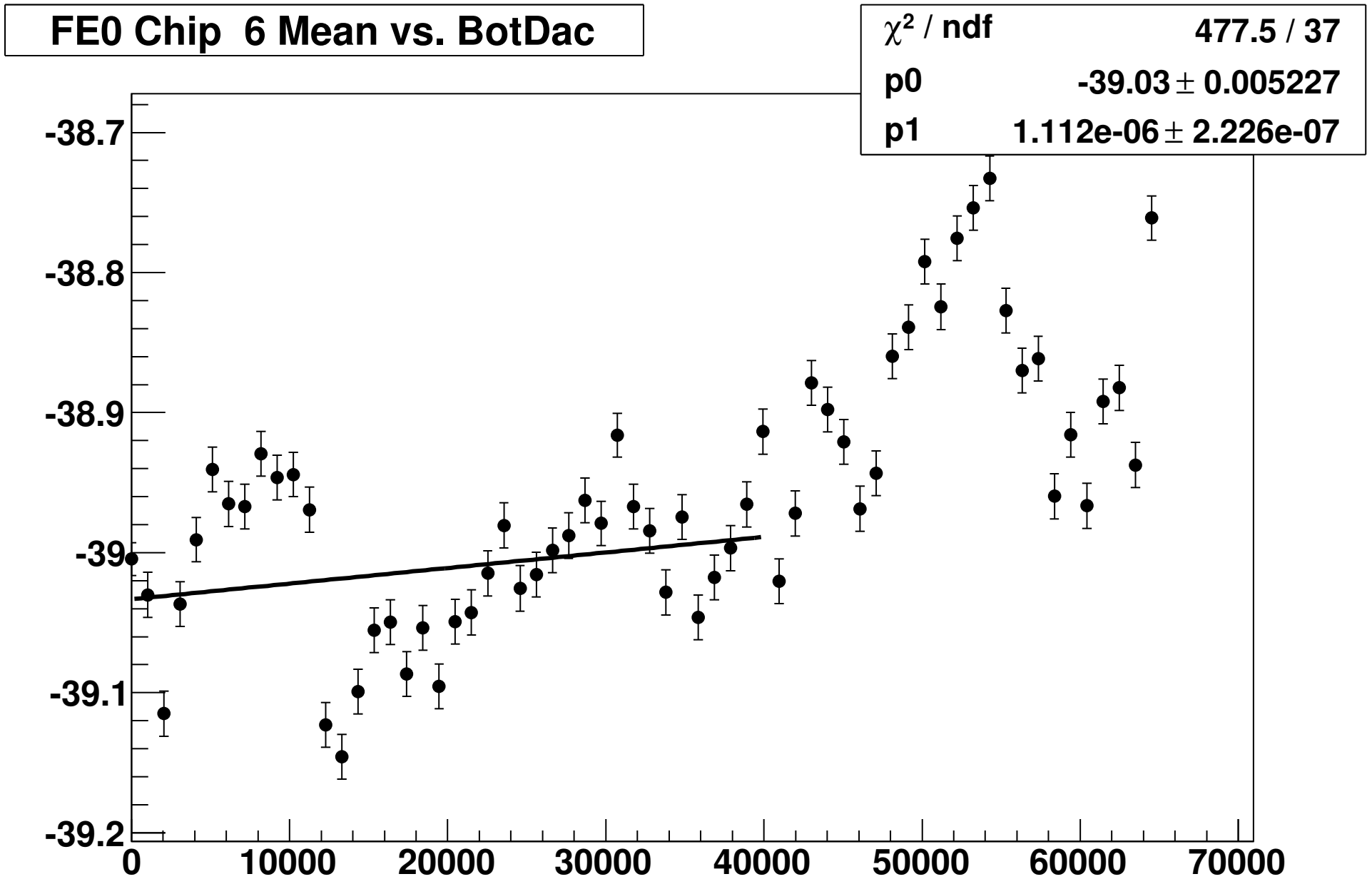

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 1720 / 37
p0 2.661 ± 0.004821
p1 7.756e-06 ± 2.25e-06
7
6
5
4
3
2
0
10000
20000
30000
40000
50000
60000
70000

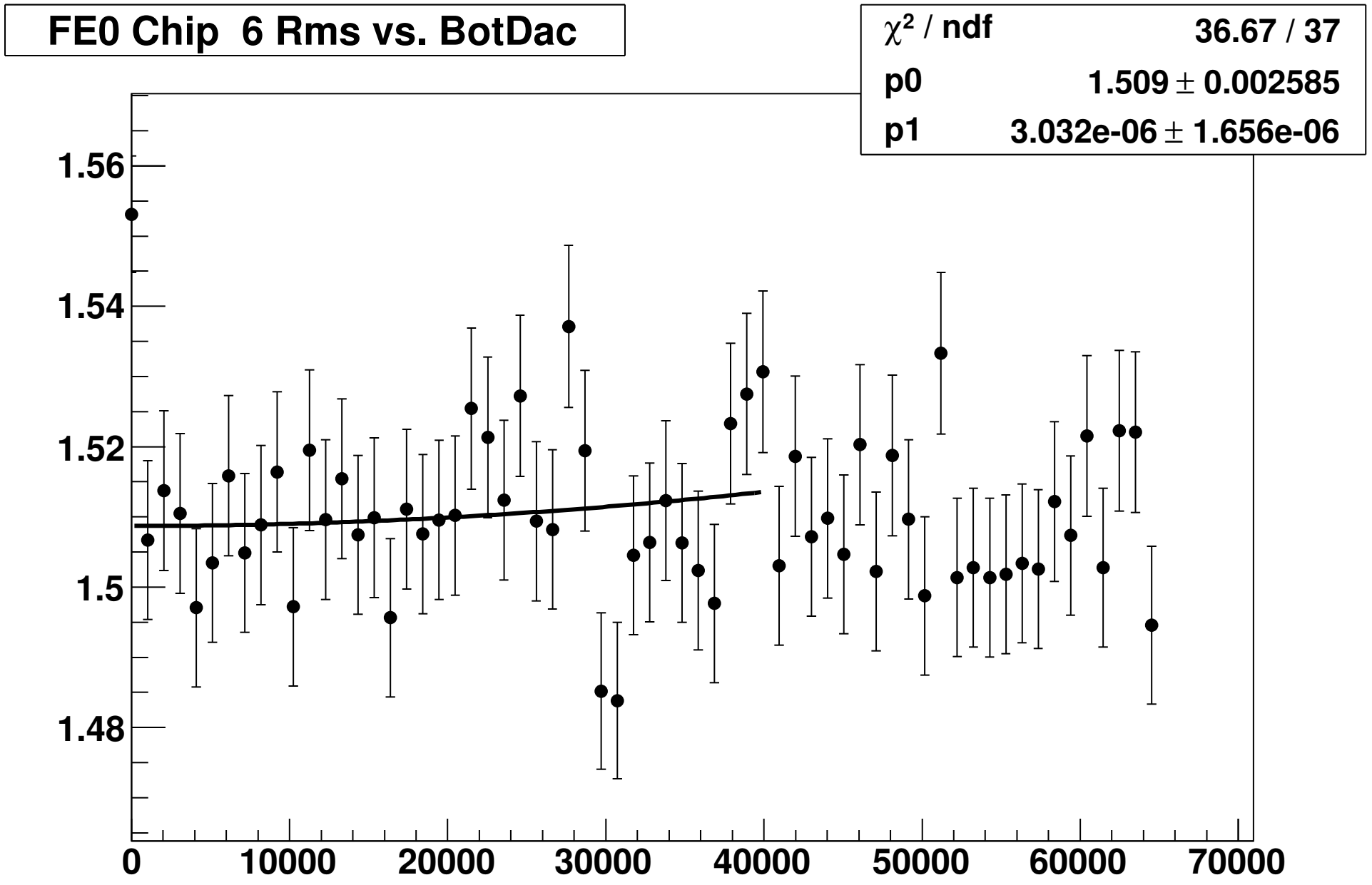

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 8.685e+04 / 37
p0 -177.8 ± 0.005302
p1 0.4523 ± 2.515e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 1851 / 37
p0 1.405 ± 0.002913
p1 3.747e-05 ± 2.049e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 1.658e+04 / 37
p0 -176.8 ± 0.005347
p1 -3.233e-06 ± 2.274e-07
-175.8
-176
-176.2
-176.4
-176.6
-176.8
-177
-177.2
-177.4
-177.6
-177.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 42.55 / 37
p0 1.54 ± 0.001854
p1 3.9e-14 ± 3.658e-06
2.1
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 477.5 / 37
p0 -39.03 ± 0.005227
p1 1.112e-06 ± 2.226e-07
-38.7
-38.8
-38.9
-39
-39.1
-39.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 36.67 / 37
p0 1.509 ± 0.002585
p1 3.032e-06 ± 1.656e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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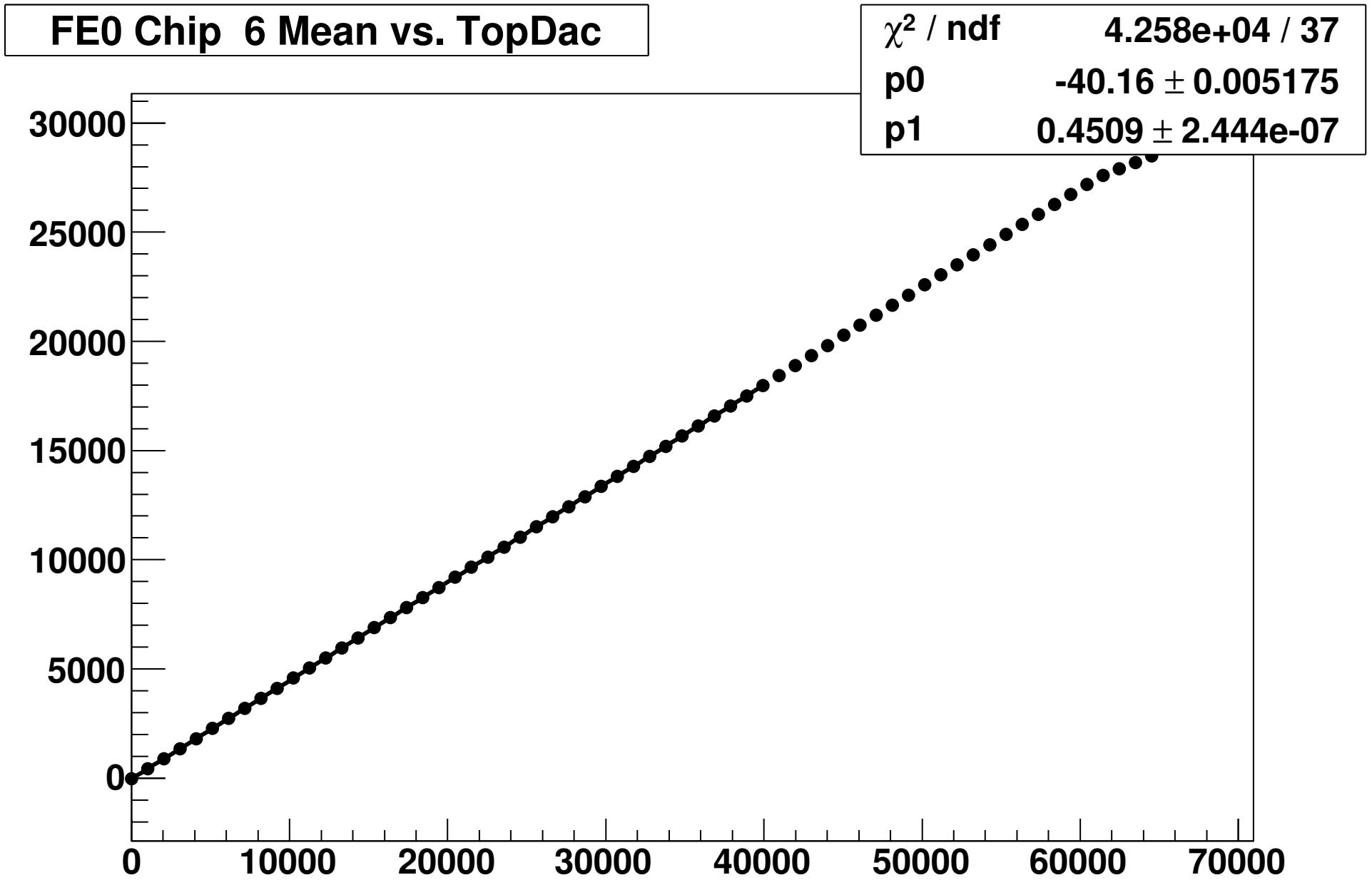
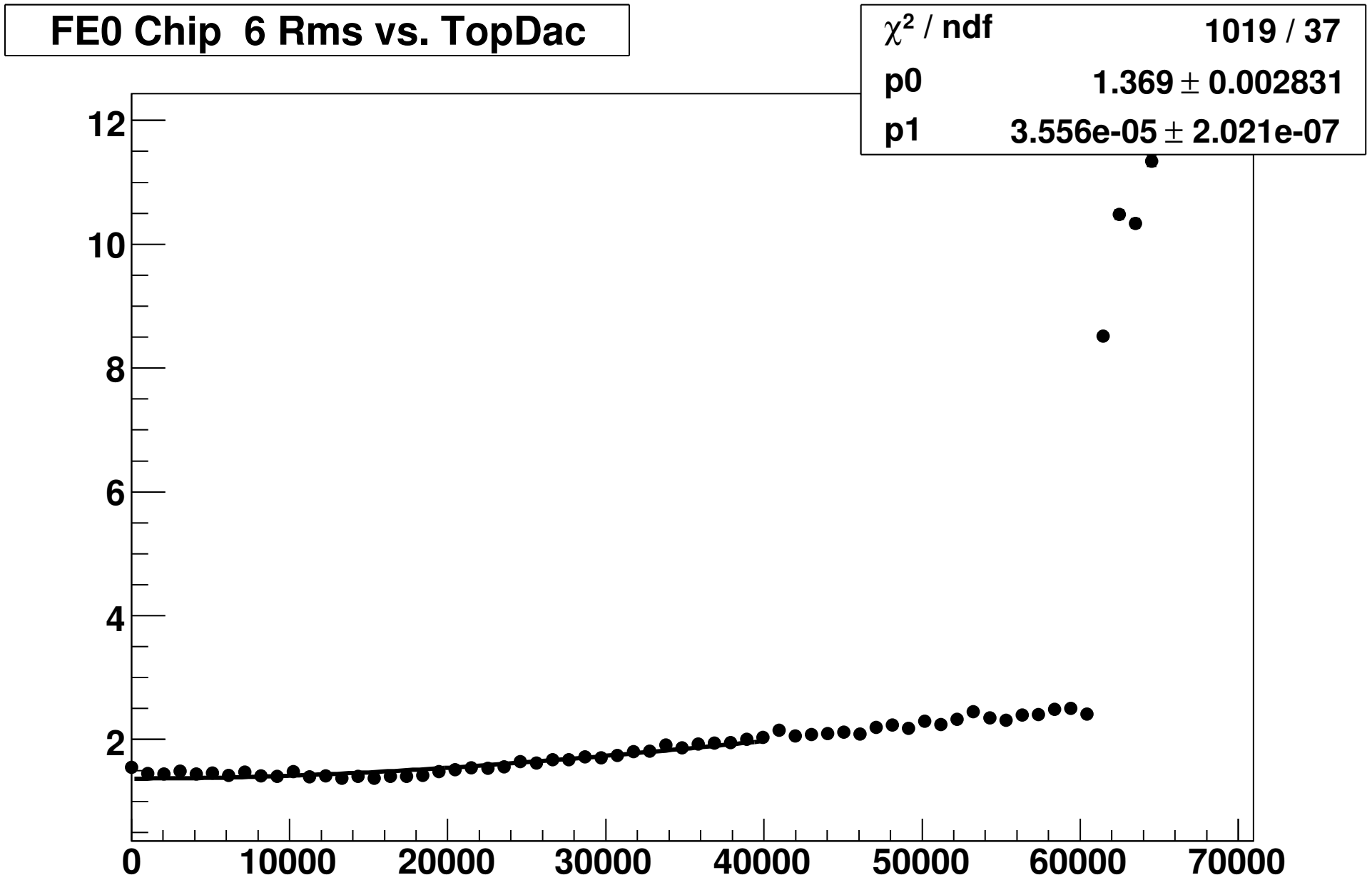
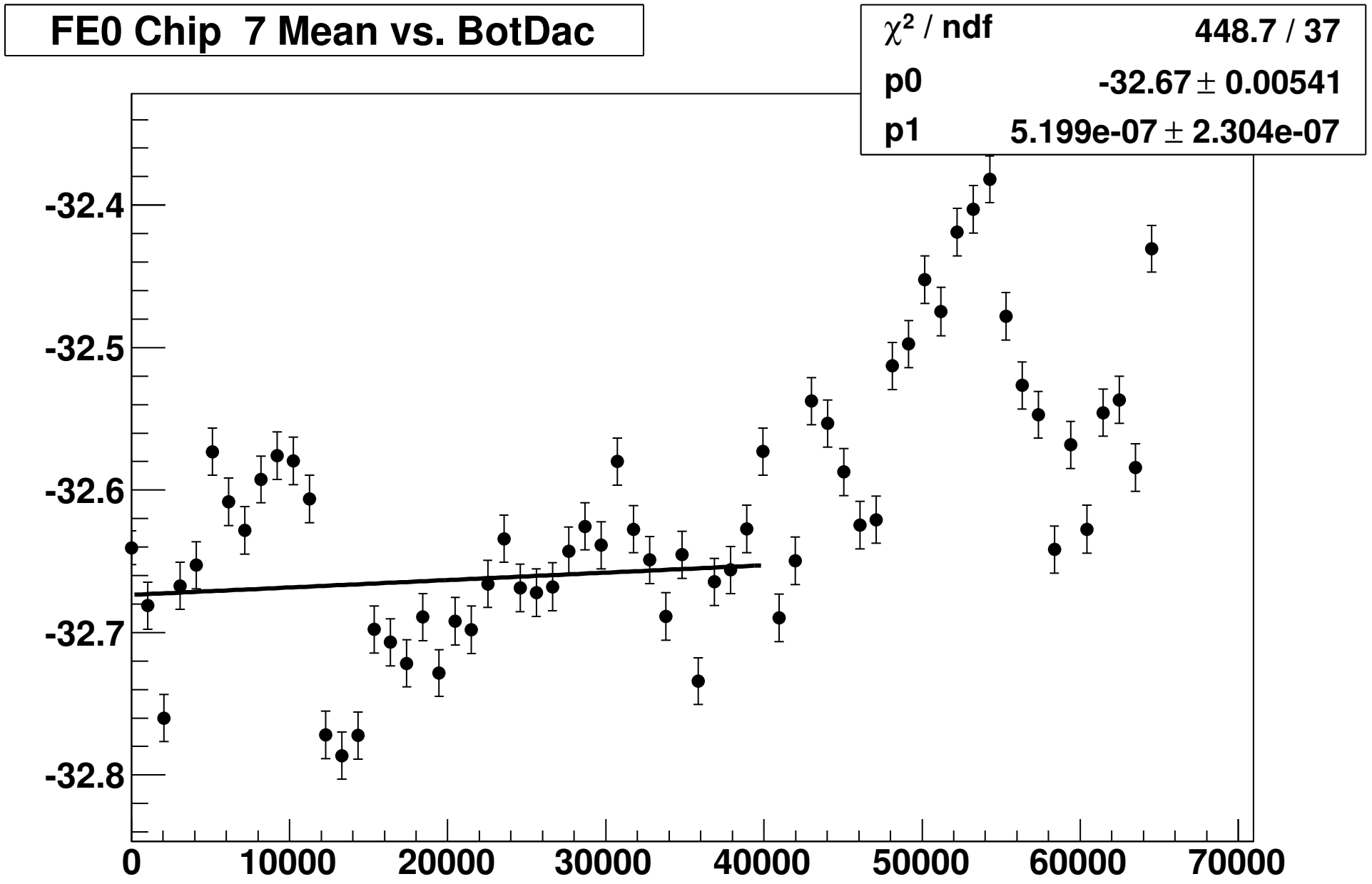
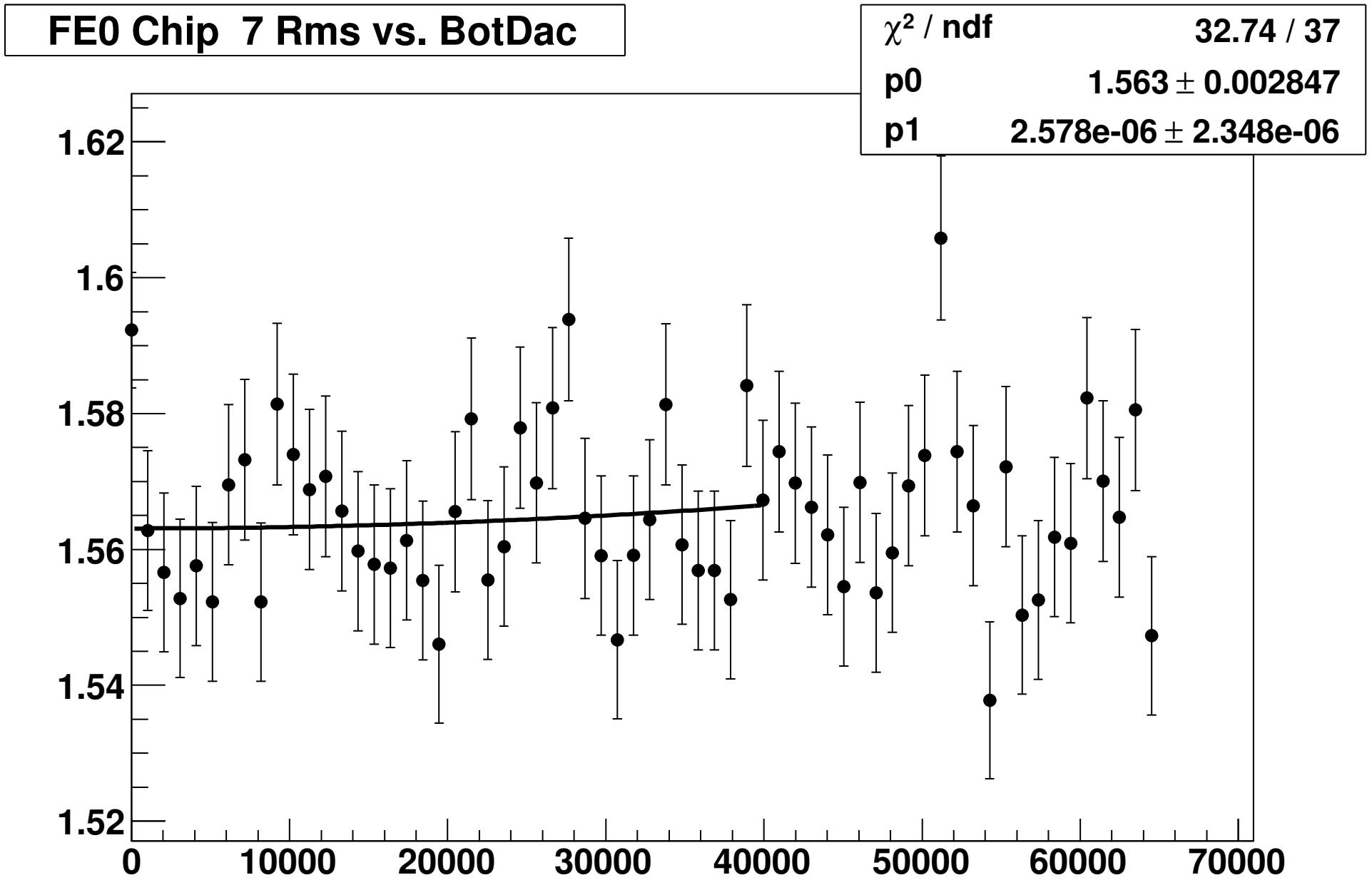
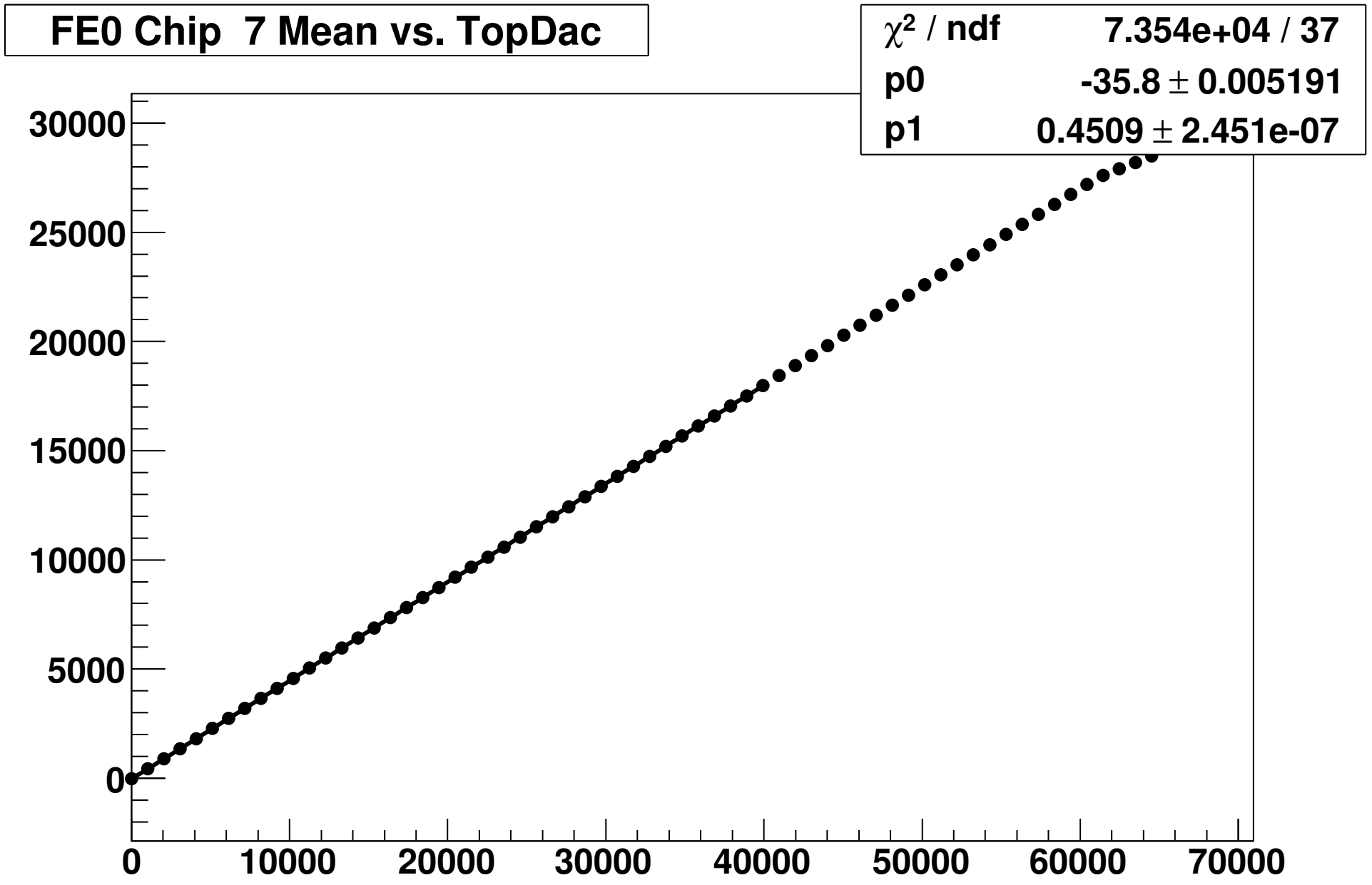
50000
60000
70000

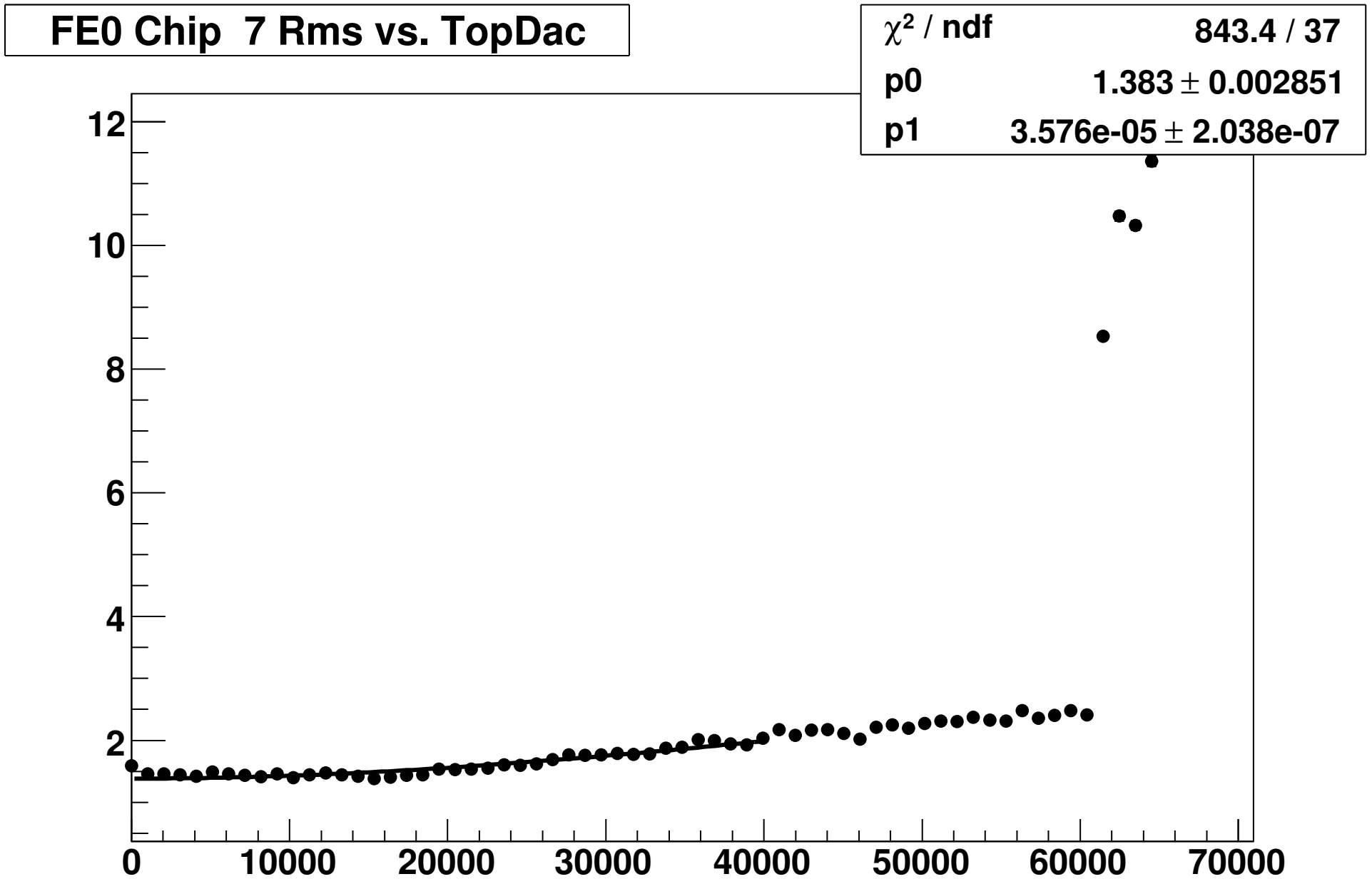

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 4.258e+04 / 37
p0 -40.16 ± 0.005175
p1 0.4509 ± 2.444e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

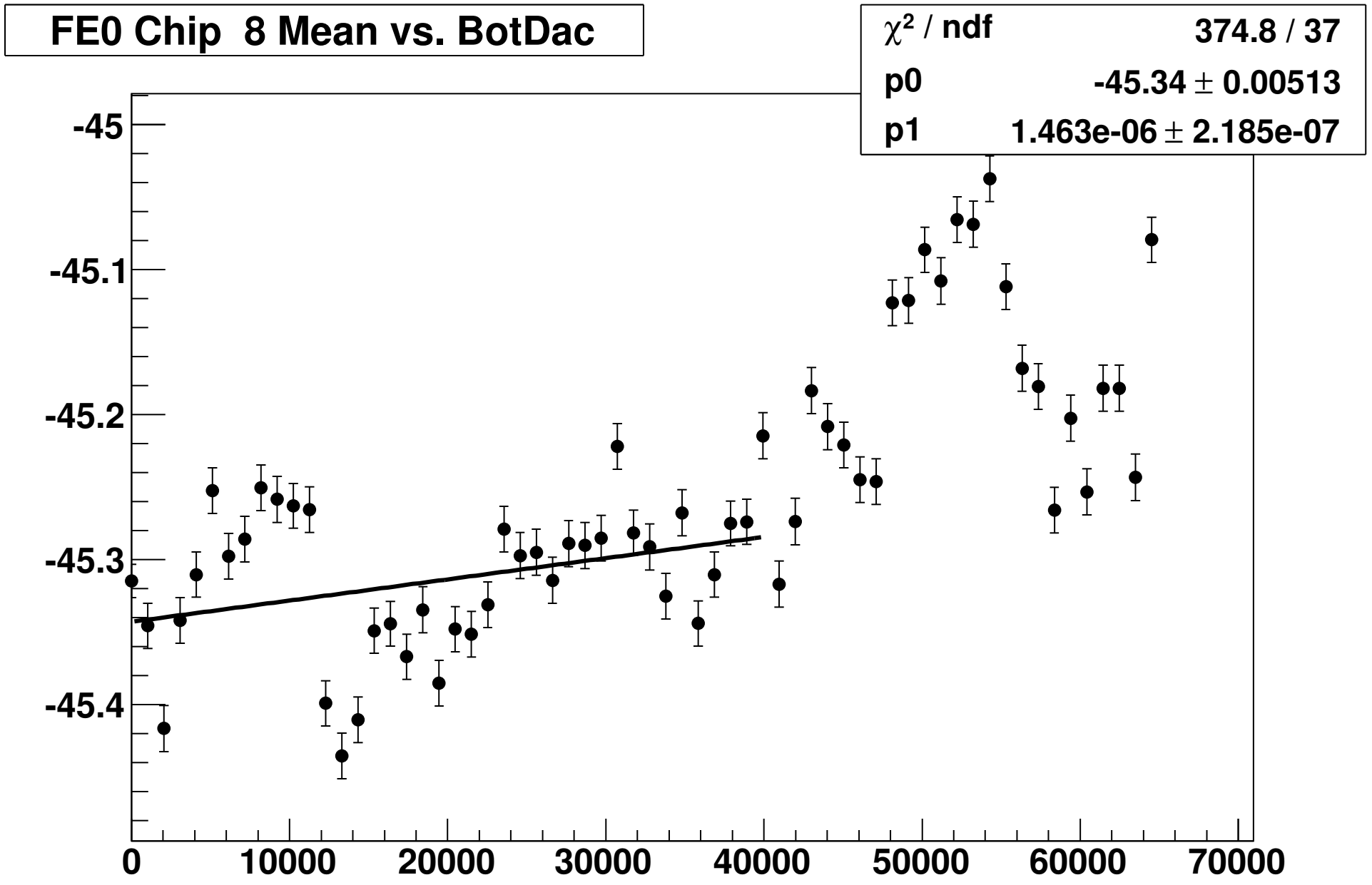

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 1019 / 37
p0 1.369 ± 0.002831
p1 3.556e-05 ± 2.021e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 448.7 / 37
p0 -32.67 ± 0.00541
p1 5.199e-07 ± 2.304e-07
-32.4
-32.5
-32.6
-32.7
-32.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 32.74 / 37
p0 1.563 ± 0.002847
p1 2.578e-06 ± 2.348e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 7.354e+04 / 37
p0 -35.8 ± 0.005191
p1 0.4509 ± 2.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 843.4 / 37
p0 1.383 ± 0.002851
p1 3.576e-05 ± 2.038e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 374.8 / 37
p0 -45.34 ± 0.00513
p1 1.463e-06 ± 2.185e-07
-45
-45.1
-45.2
-45.3
-45.4
0
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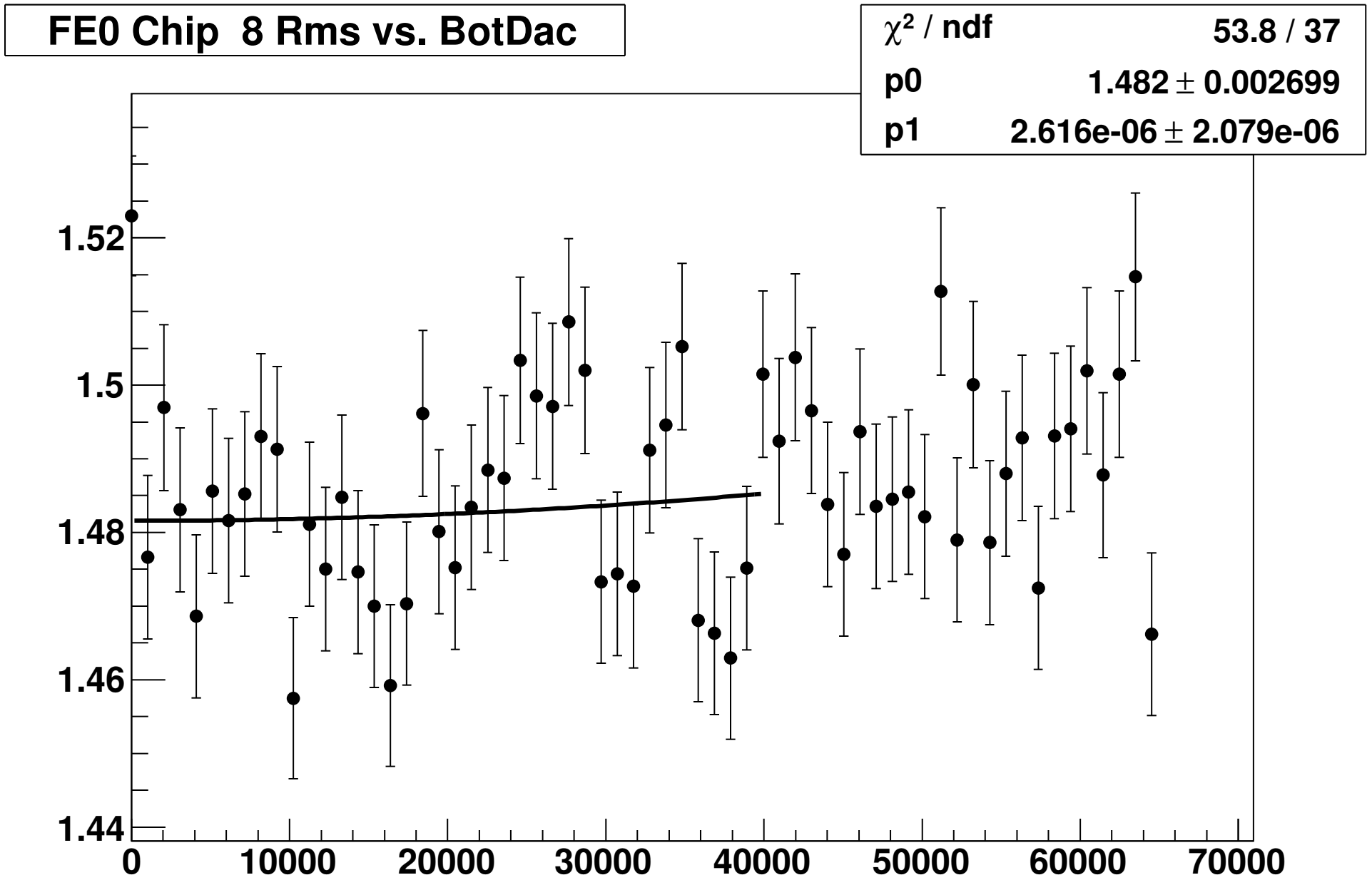
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 53.8 / 37
p0 1.482 ± 0.002699
p1 2.616e-06 ± 2.079e-06
1.52
1.5
1.48
1.46
1.44
0
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20000
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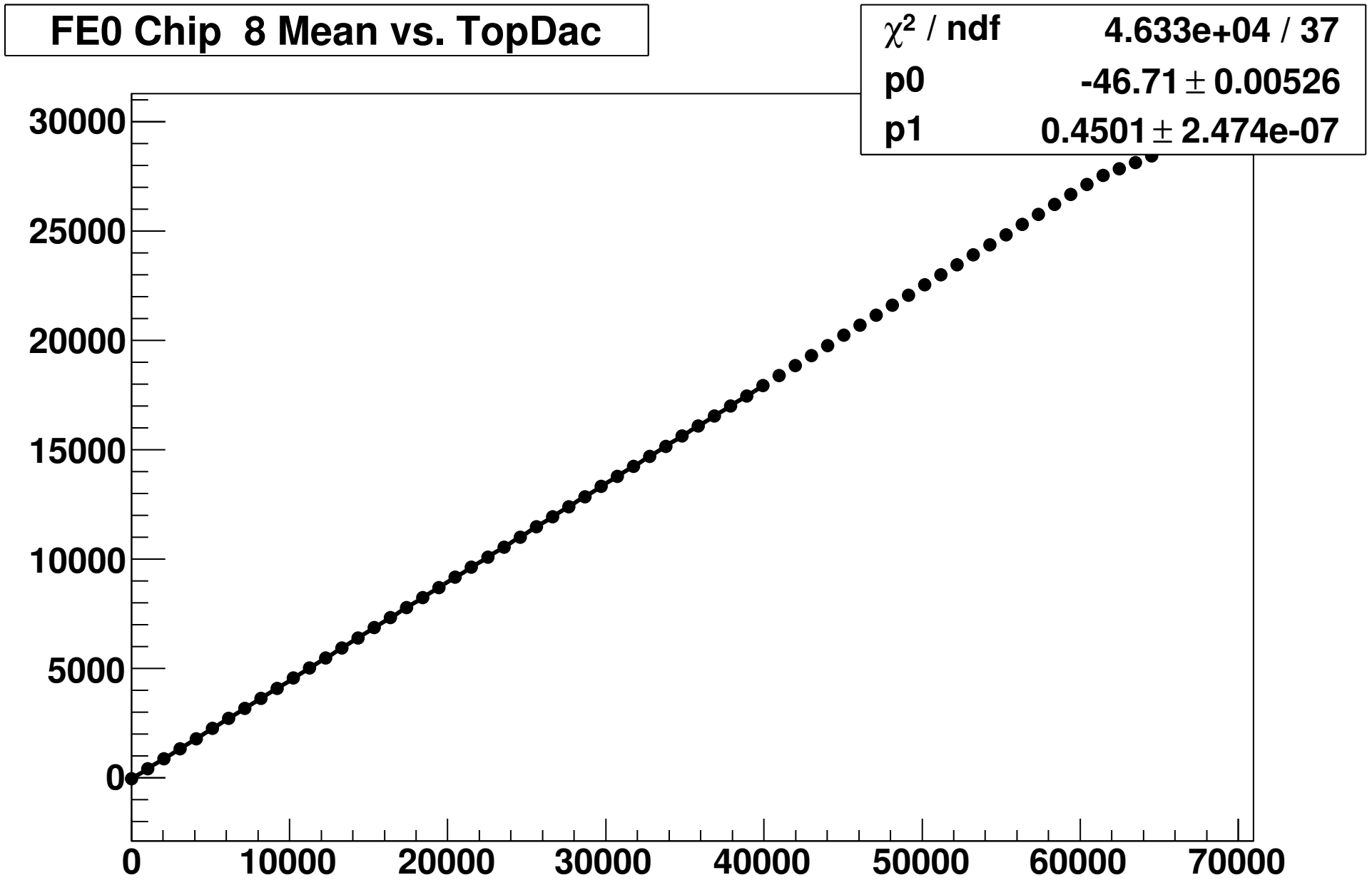
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 4.633e+04 / 37
p0 -46.71 ± 0.00526
p1 0.4501 ± 2.474e-07
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25000
20000
15000
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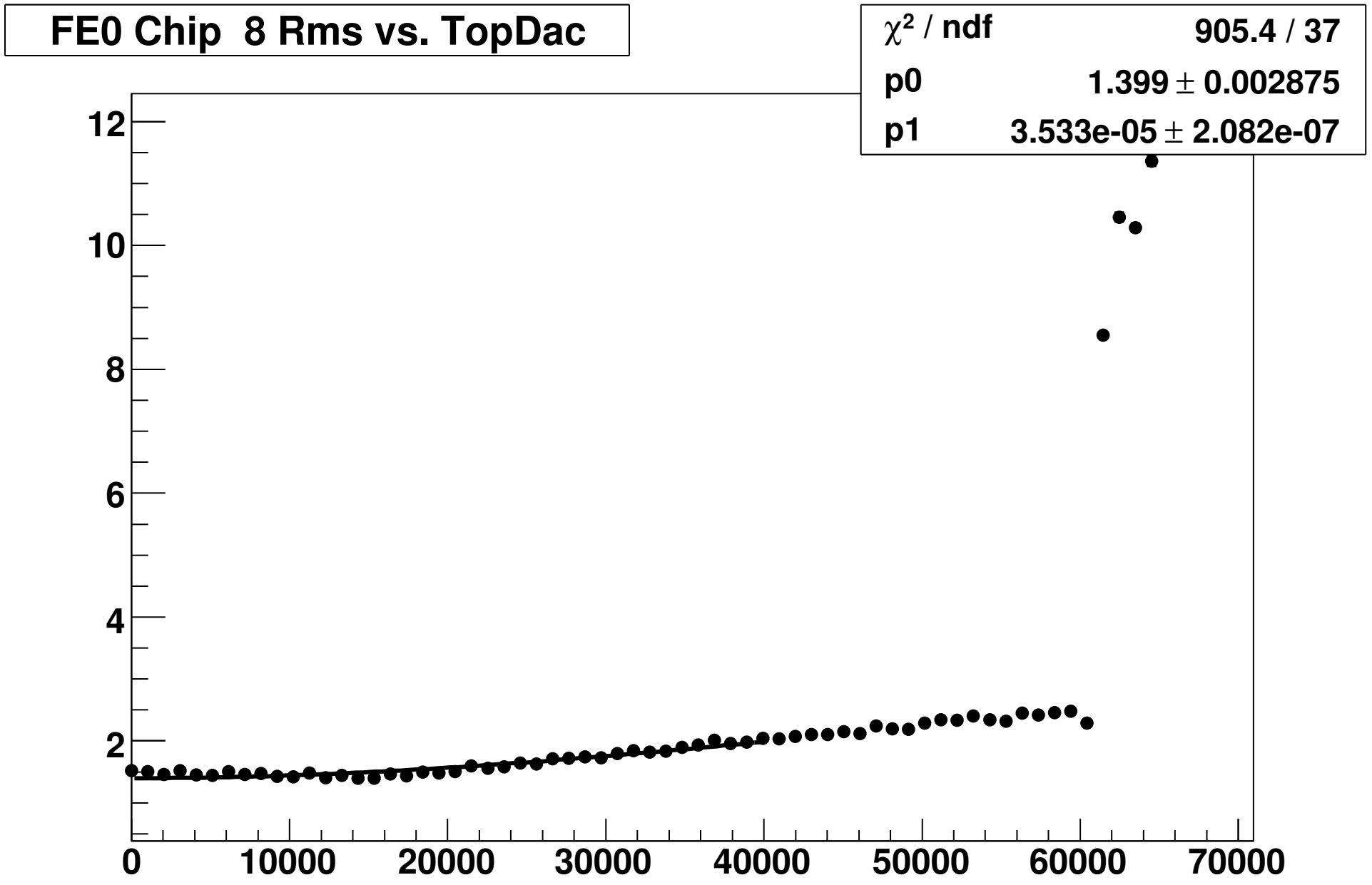
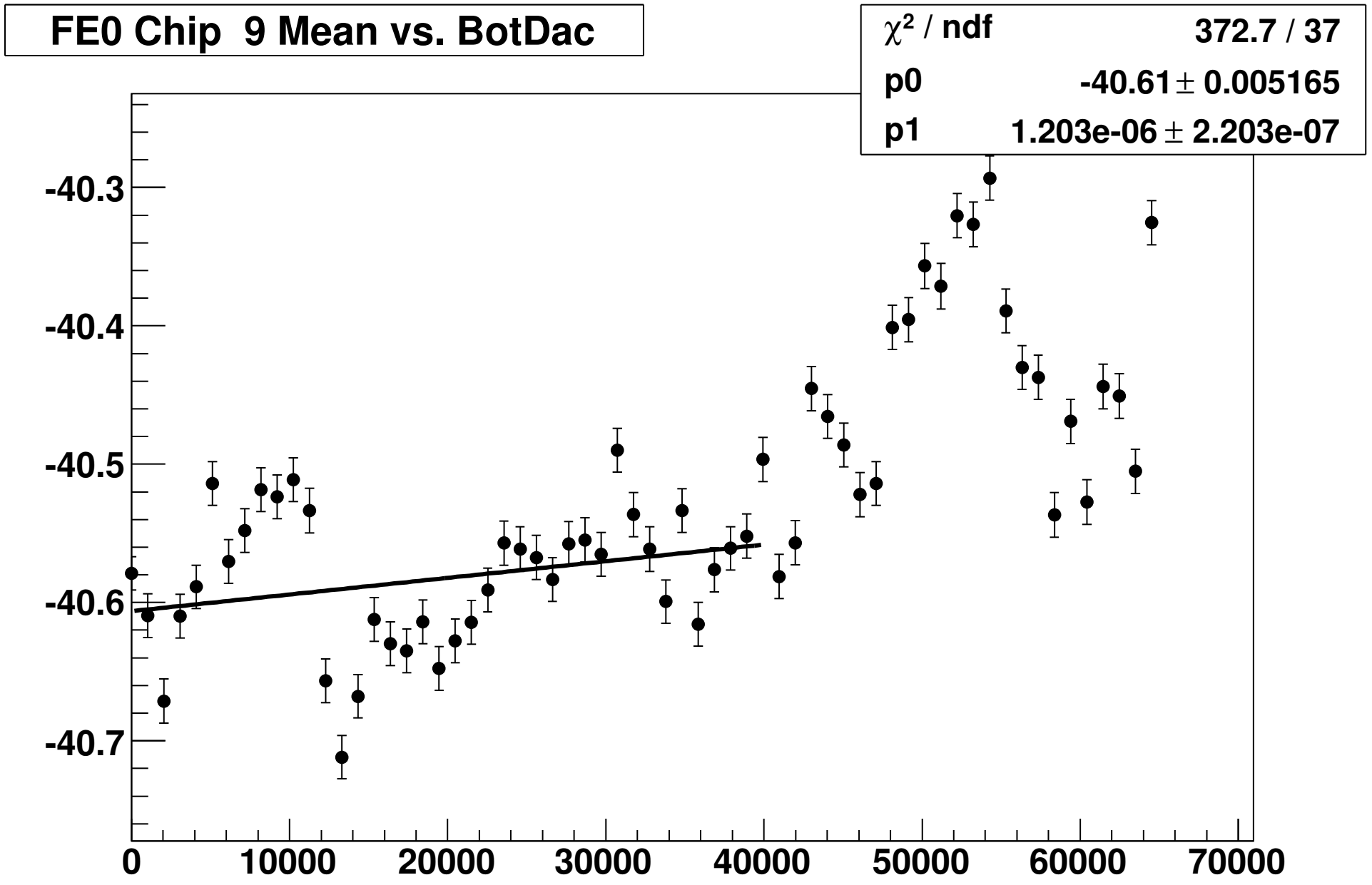
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 905.4 / 37
p0 1.399 ± 0.002875
p1 3.533e-05 ± 2.082e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 372.7 / 37
p0 -40.61 ± 0.005165
p1 1.203e-06 ± 2.203e-07
-40.3
-40.4
-40.5
-40.6
-40.7
0
10000
20000
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60000
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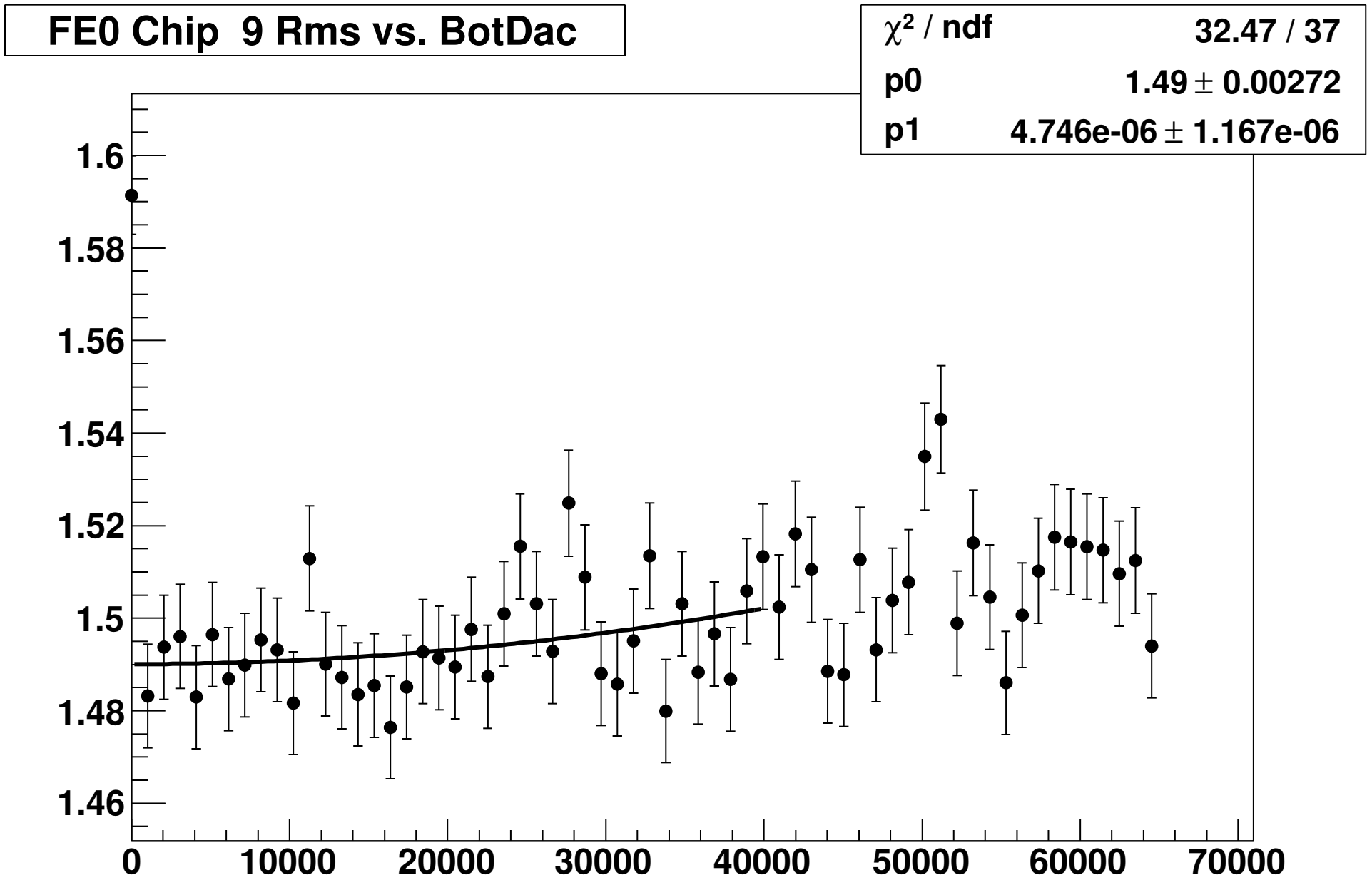
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 32.47 / 37
p0 1.49 ± 0.00272
p1 4.746e-06 ± 1.167e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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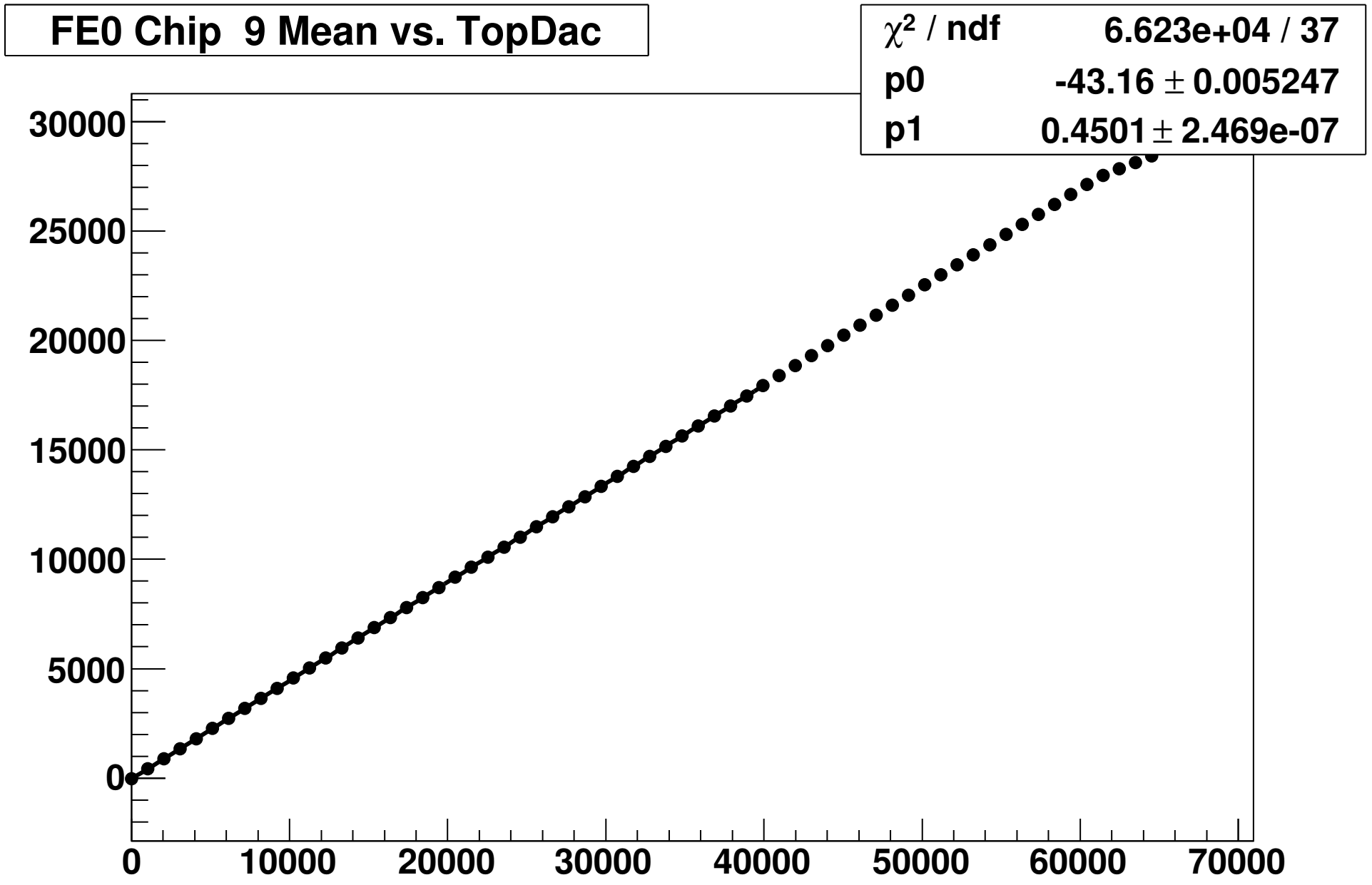
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 6.623e+04 / 37
p0 -43.16 ± 0.005247
p1 0.4501 ± 2.469e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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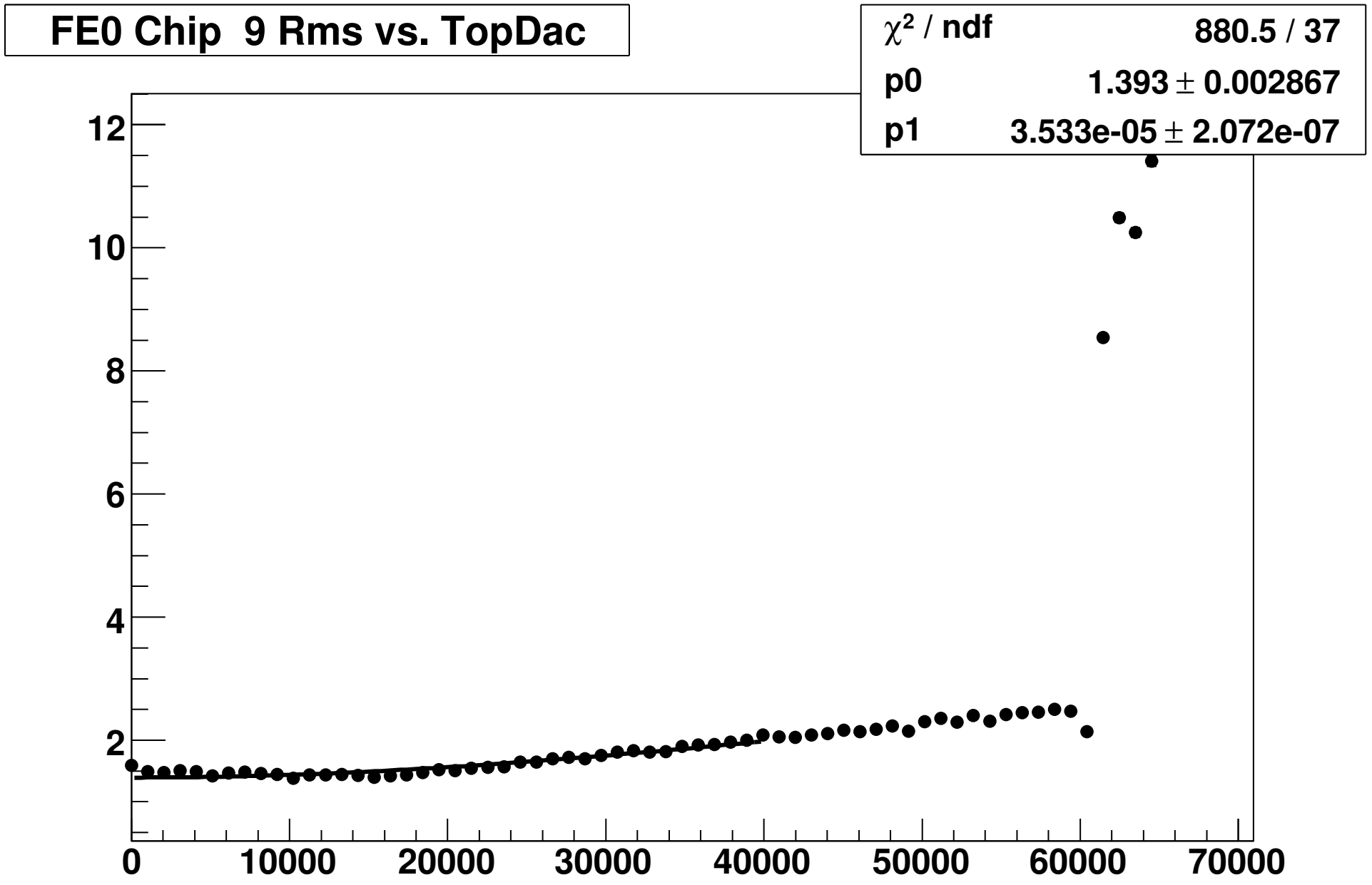
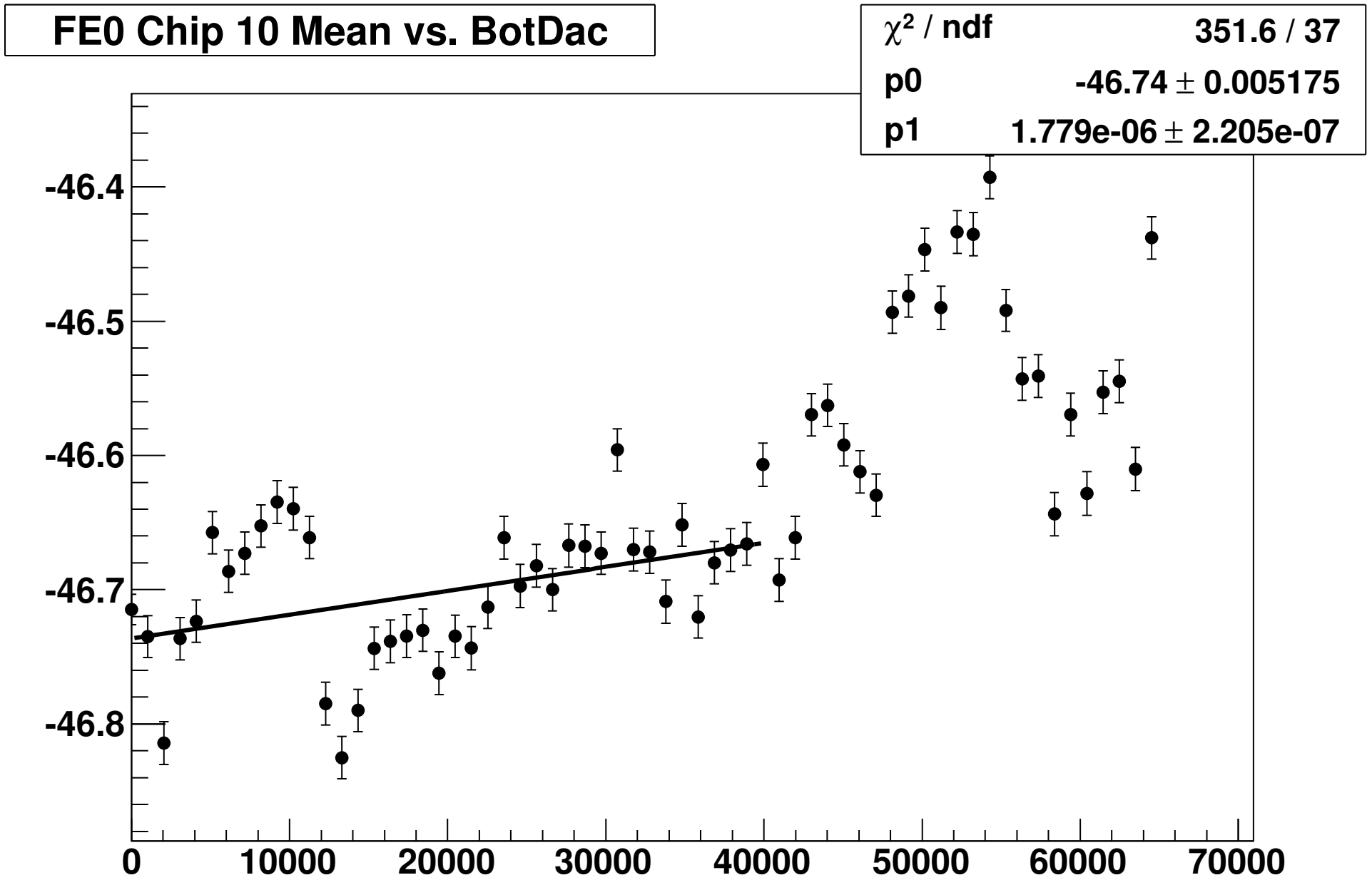

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 880.5 / 37
p0 1.393 ± 0.002867
p1 3.533e-05 ± 2.072e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 351.6 / 37
p0 -46.74 ± 0.005175
p1 1.779e-06 ± 2.205e-07
-46.4
-46.5
-46.6
-46.7
-46.8
0
10000
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30000
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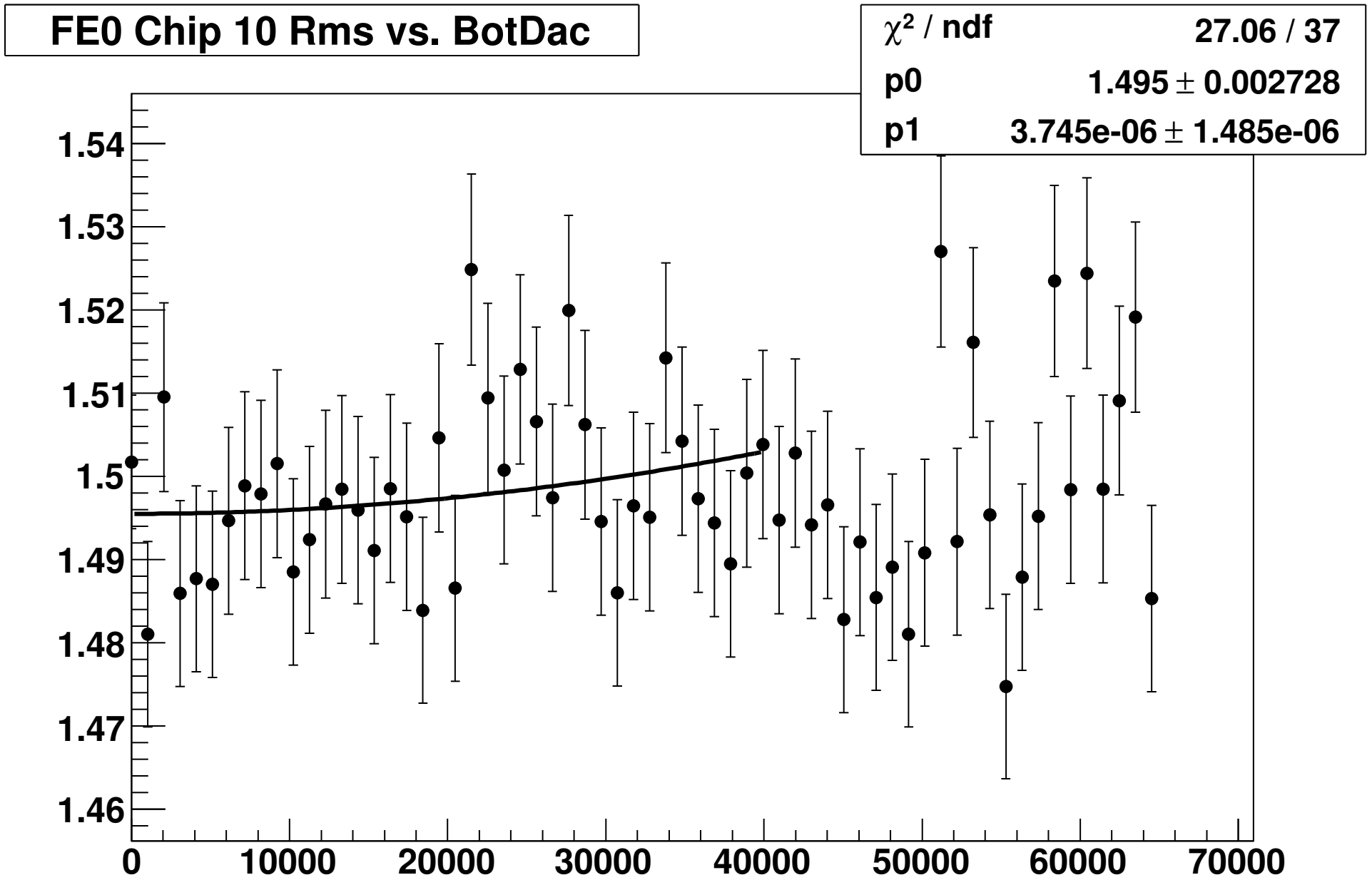
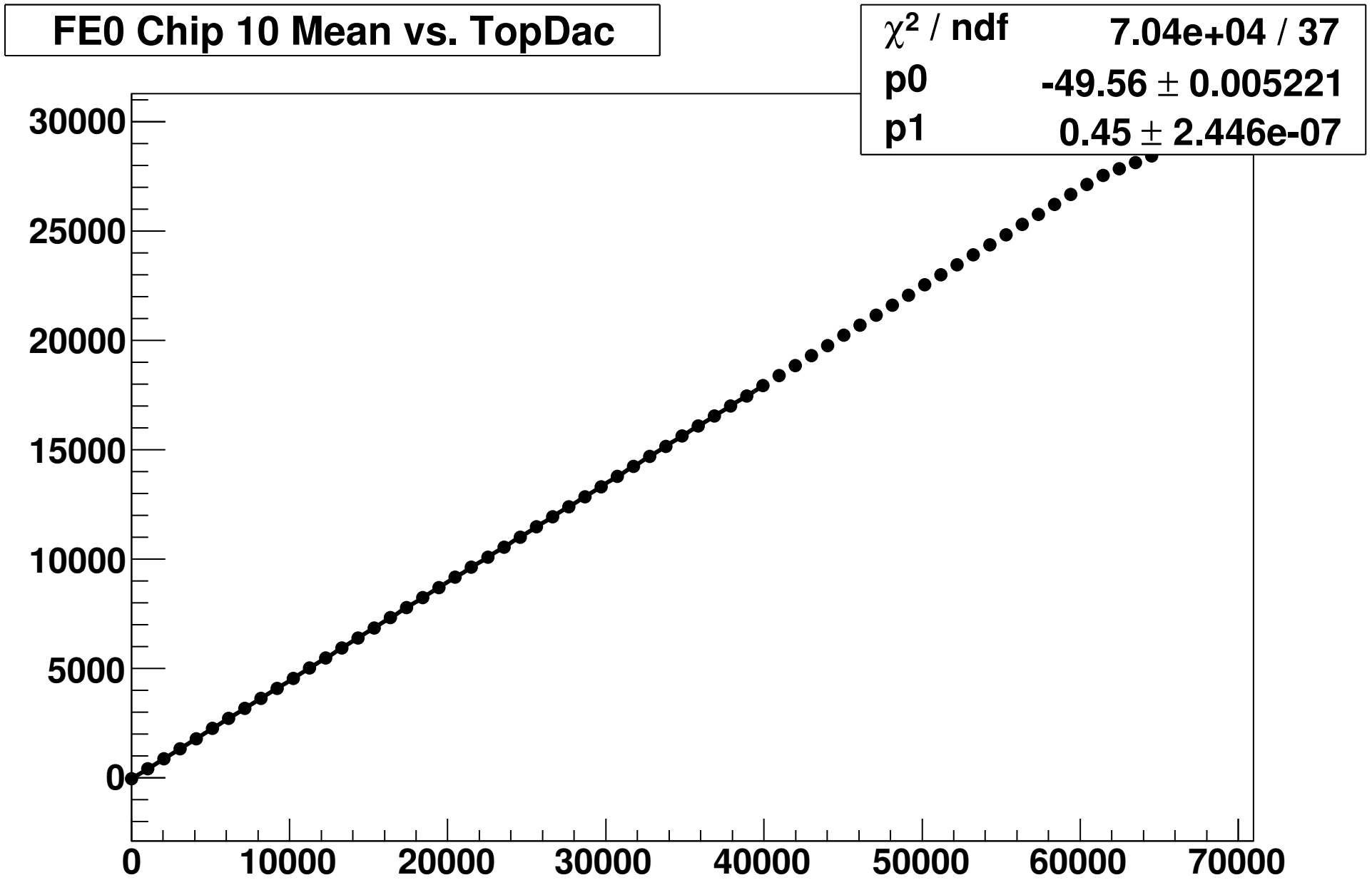
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 27.06 / 37
p0 1.495 ± 0.002728
p1 3.745e-06 ± 1.485e-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


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 7.04e+04 / 37
p0 -49.56 ± 0.005221
p1 0.45 ± 2.446e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
50000
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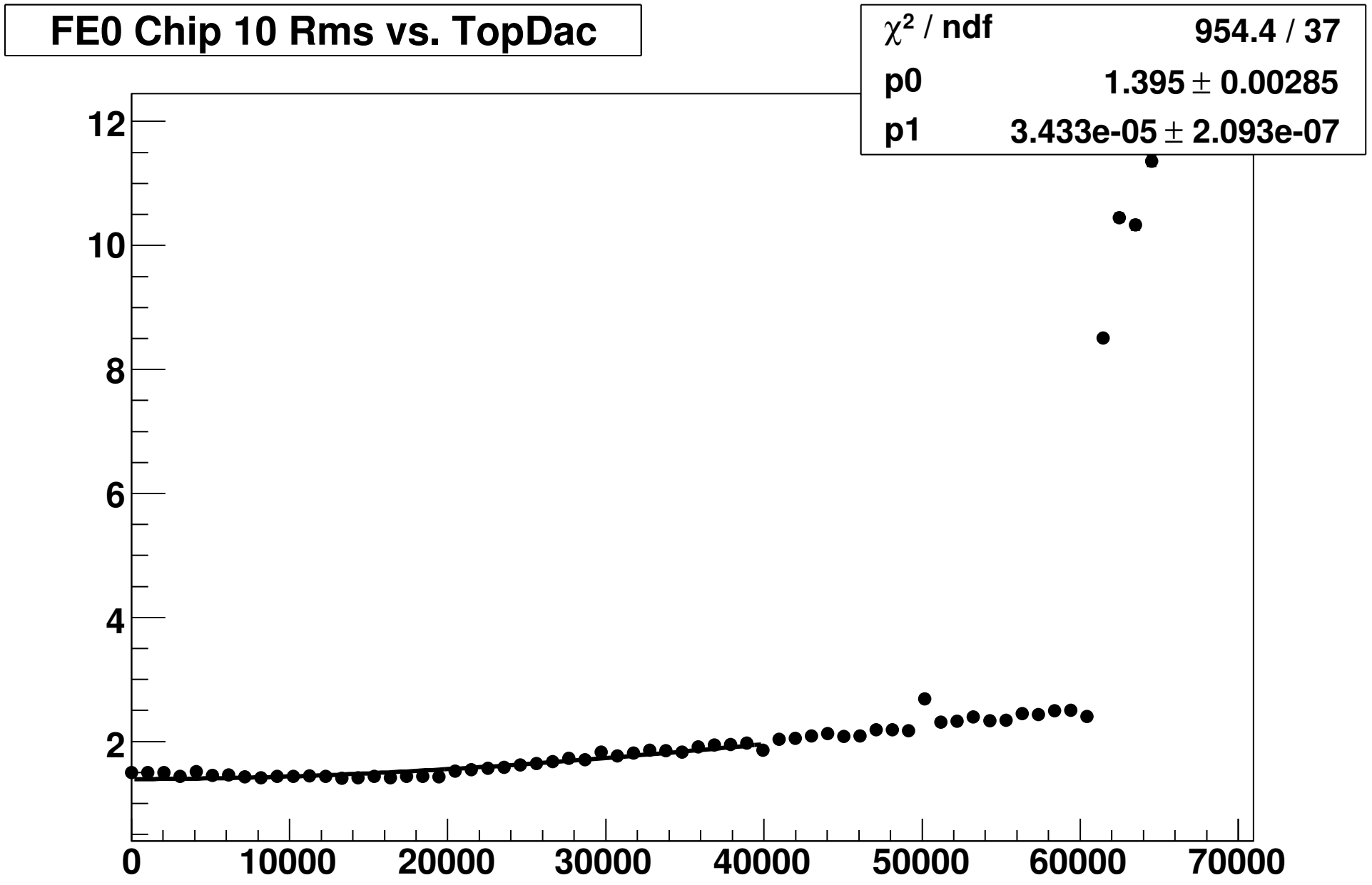
FE0 Chip 10 Rms vs. TopDac
χ² / ndf 954.4 / 37
p0 1.395 ± 0.00285
p1 3.433e-05 ± 2.093e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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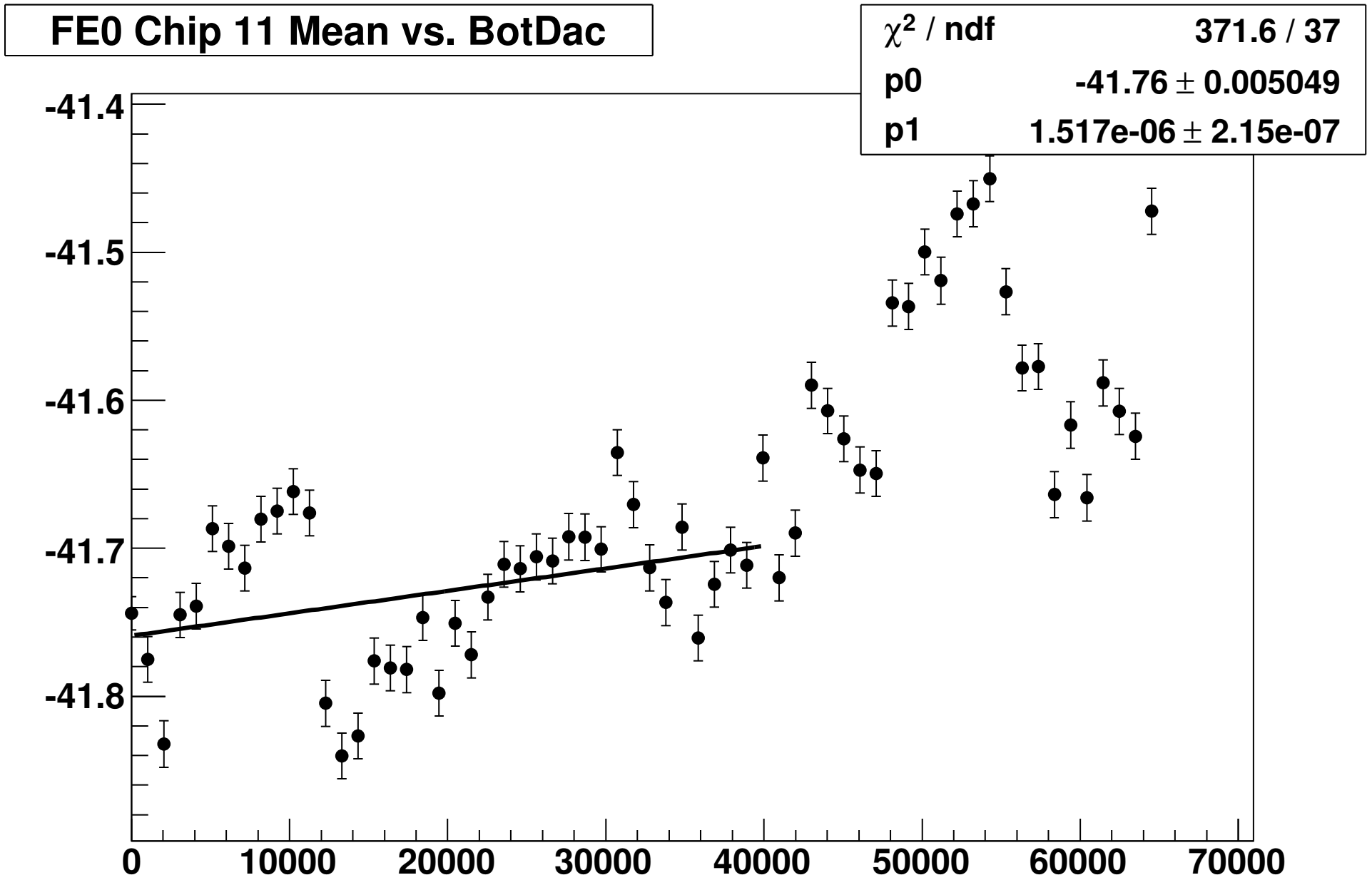
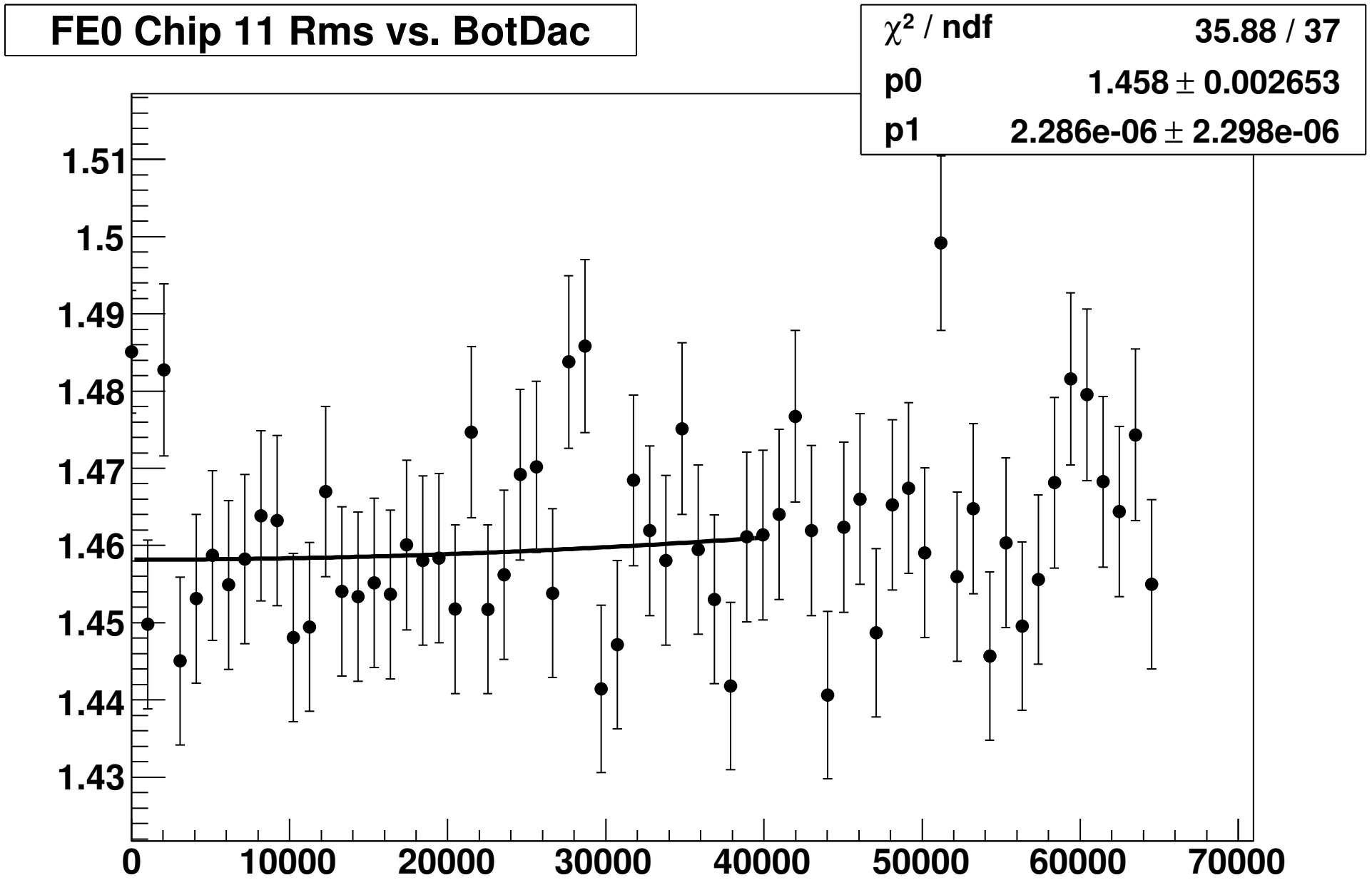
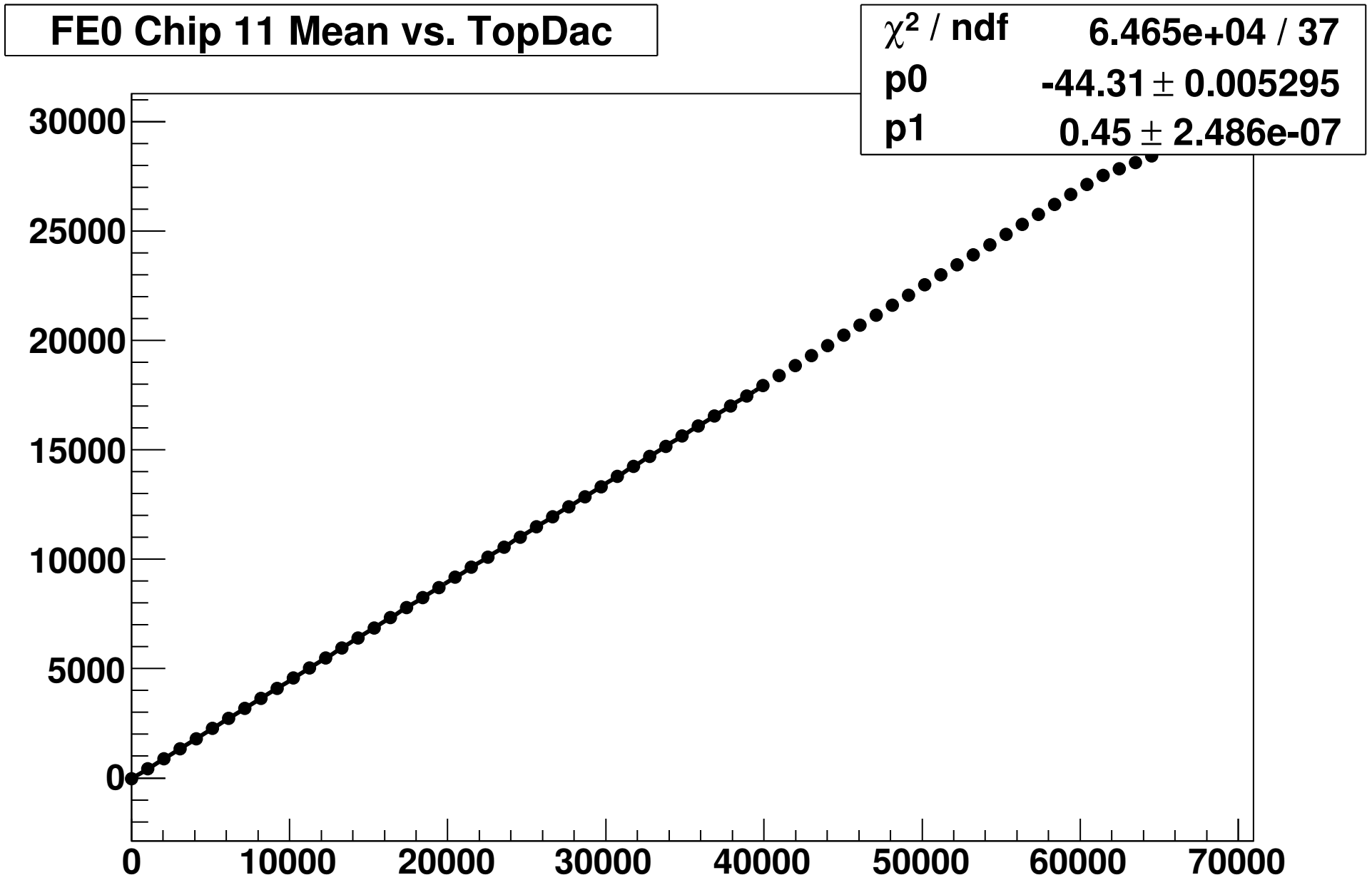

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 371.6 / 37
p0 -41.76 ± 0.005049
p1 1.517e-06 ± 2.15e-07
-41.4
-41.5
-41.6
-41.7
-41.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 35.88 / 37
p0 1.458 ± 0.002653
p1 2.286e-06 ± 2.298e-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 11 Mean vs. TopDac
χ² / ndf 6.465e+04 / 37
p0 -44.31 ± 0.005295
p1 0.45 ± 2.486e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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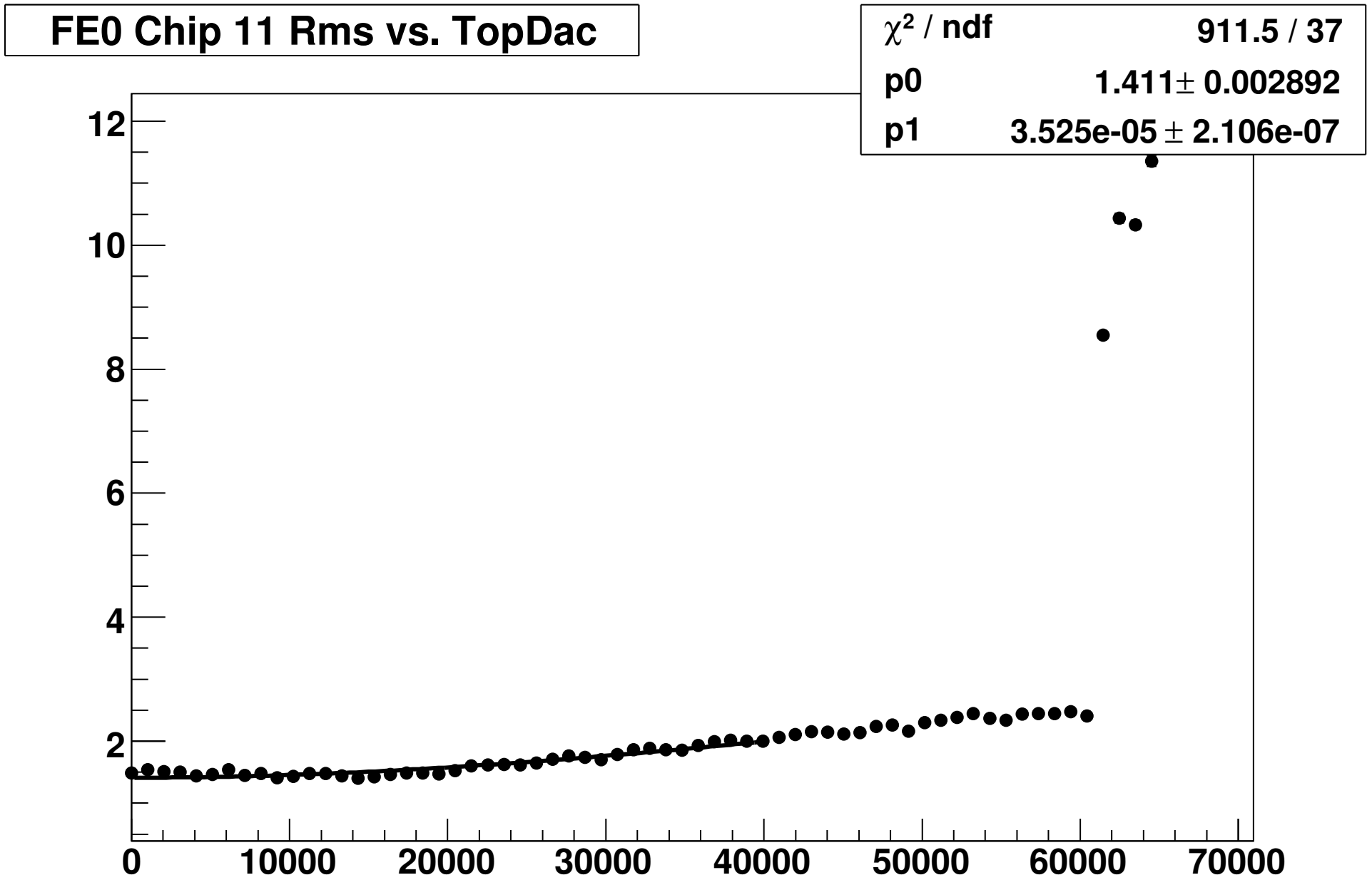
FE0 Chip 11 Rms vs. TopDac
χ² / ndf 911.5 / 37
p0 1.411 ± 0.002892
p1 3.525e-05 ± 2.106e-07
12
10
8
6
4
2
0
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30000
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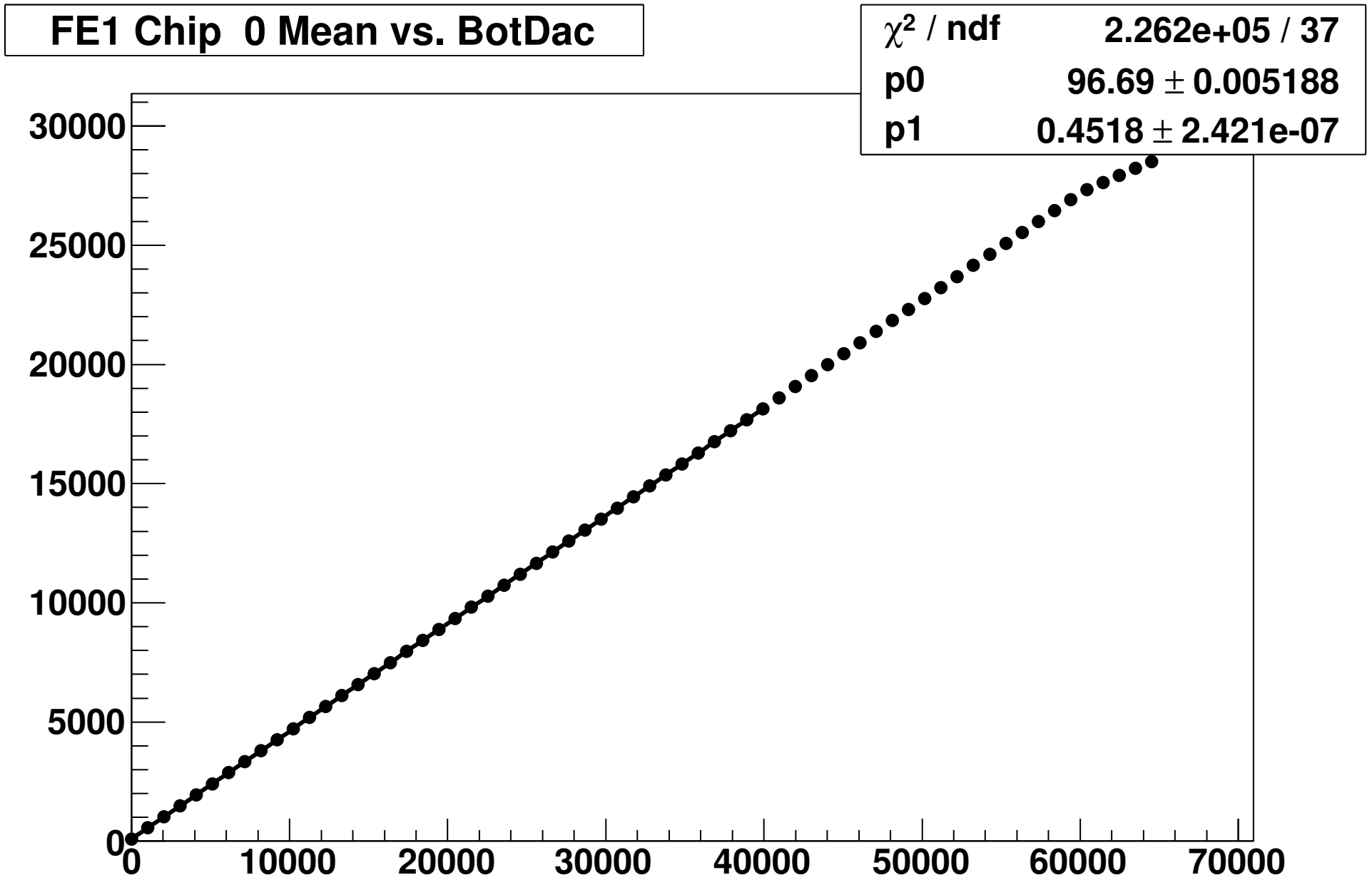
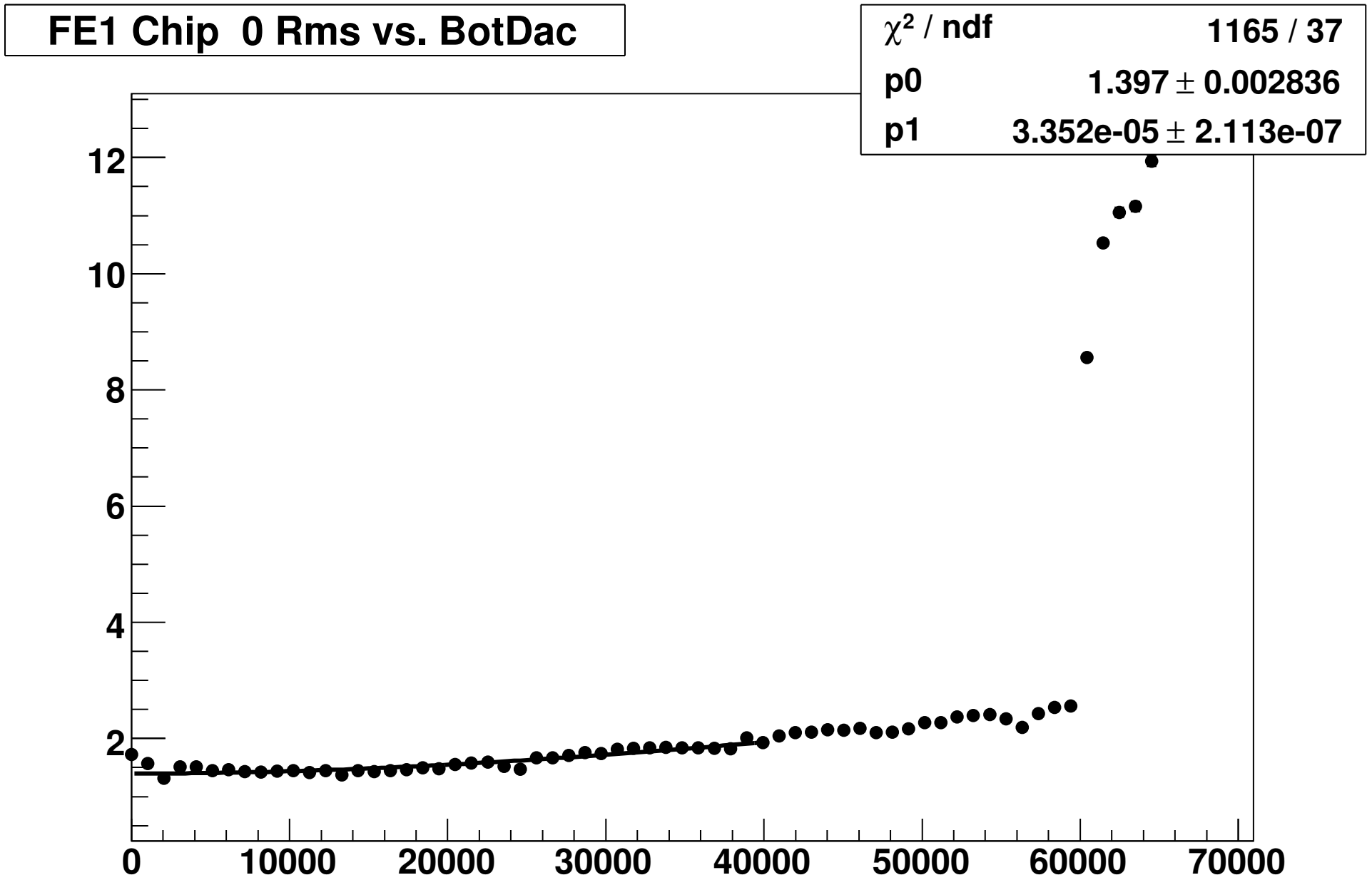

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 2.262e+05 / 37
p0 96.69 ± 0.005188
p1 0.4518 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 1165 / 37
p0 1.397 ± 0.002836
p1 3.352e-05 ± 2.113e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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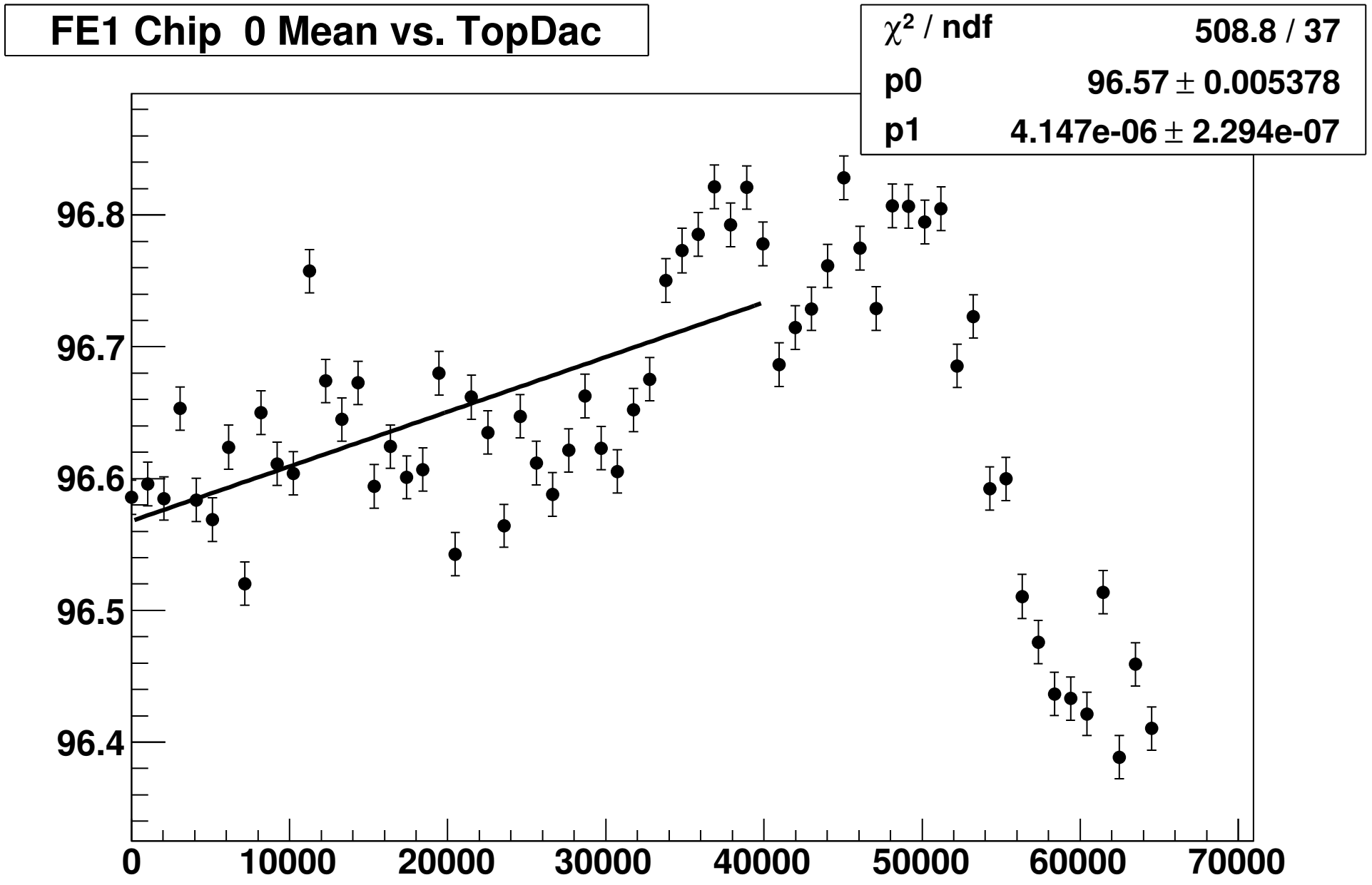
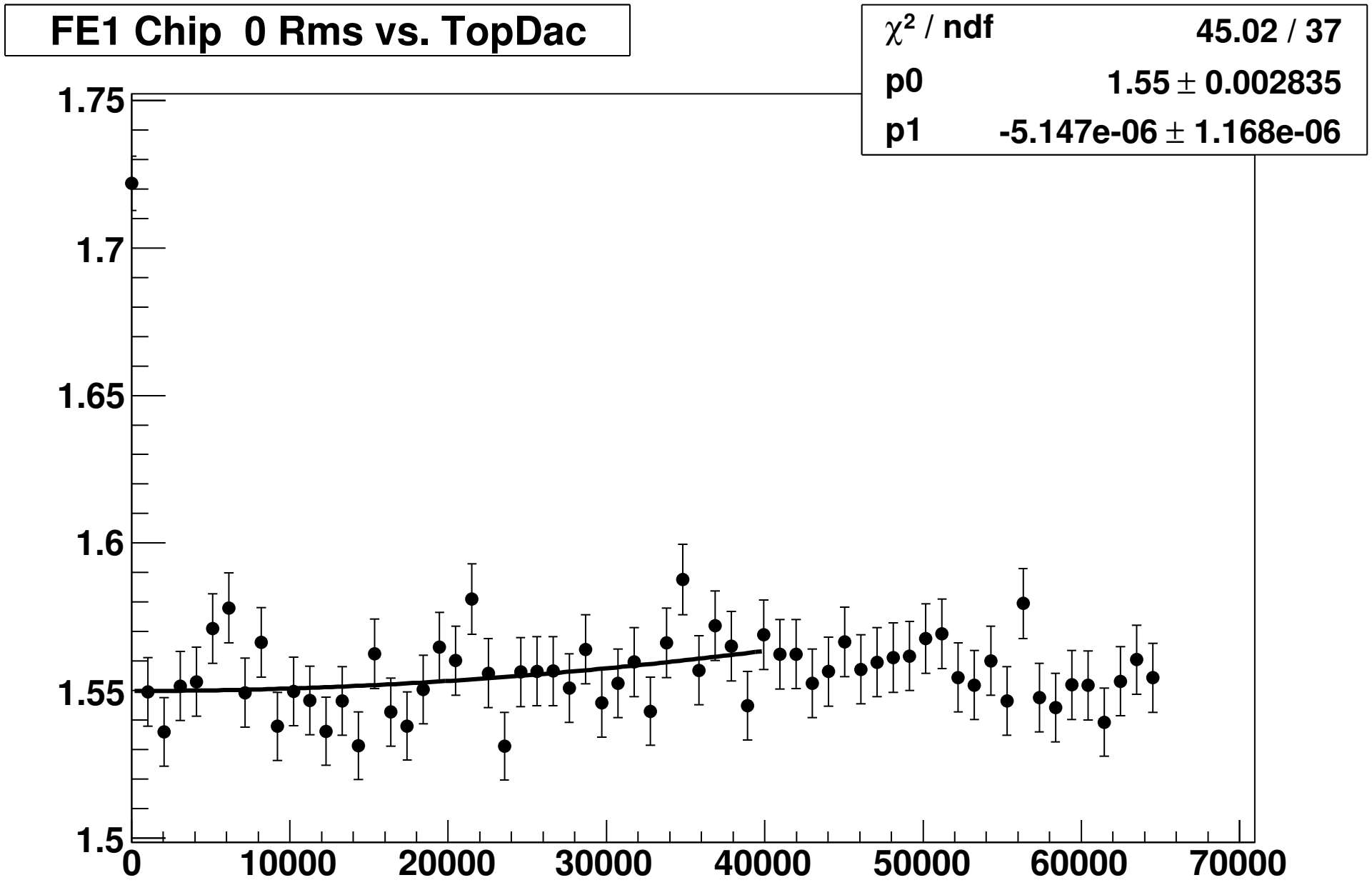

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 508.8 / 37
p0 96.57 ± 0.005378
p1 4.147e-06 ± 2.294e-07
96.8
96.7
96.6
96.5
96.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 45.02 / 37
p0 1.55 ± 0.002835
p1 -5.147e-06 ± 1.168e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
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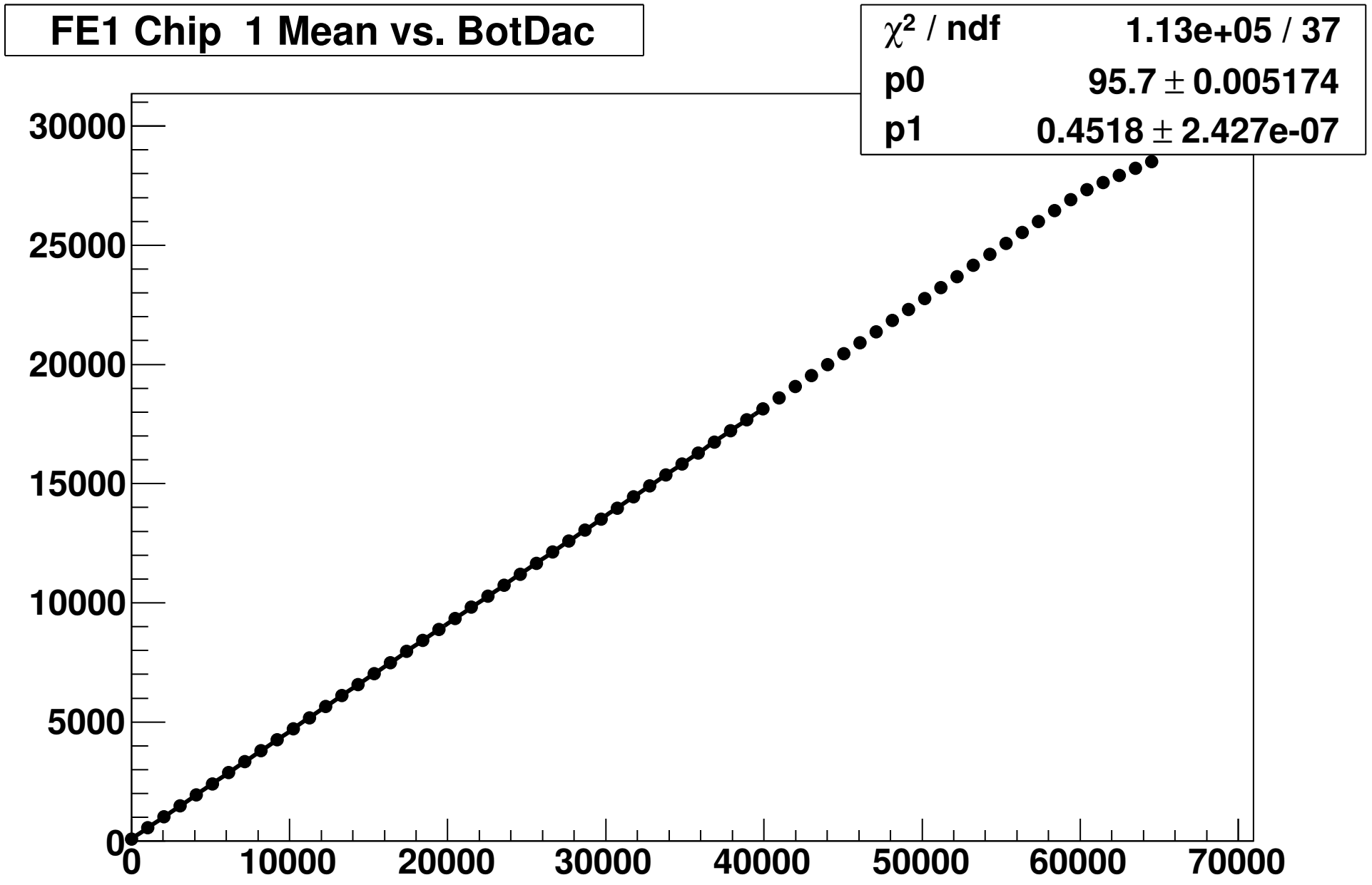
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 1.13e+05 / 37
p0 95.7 ± 0.005174
p1 0.4518 ± 2.427e-07
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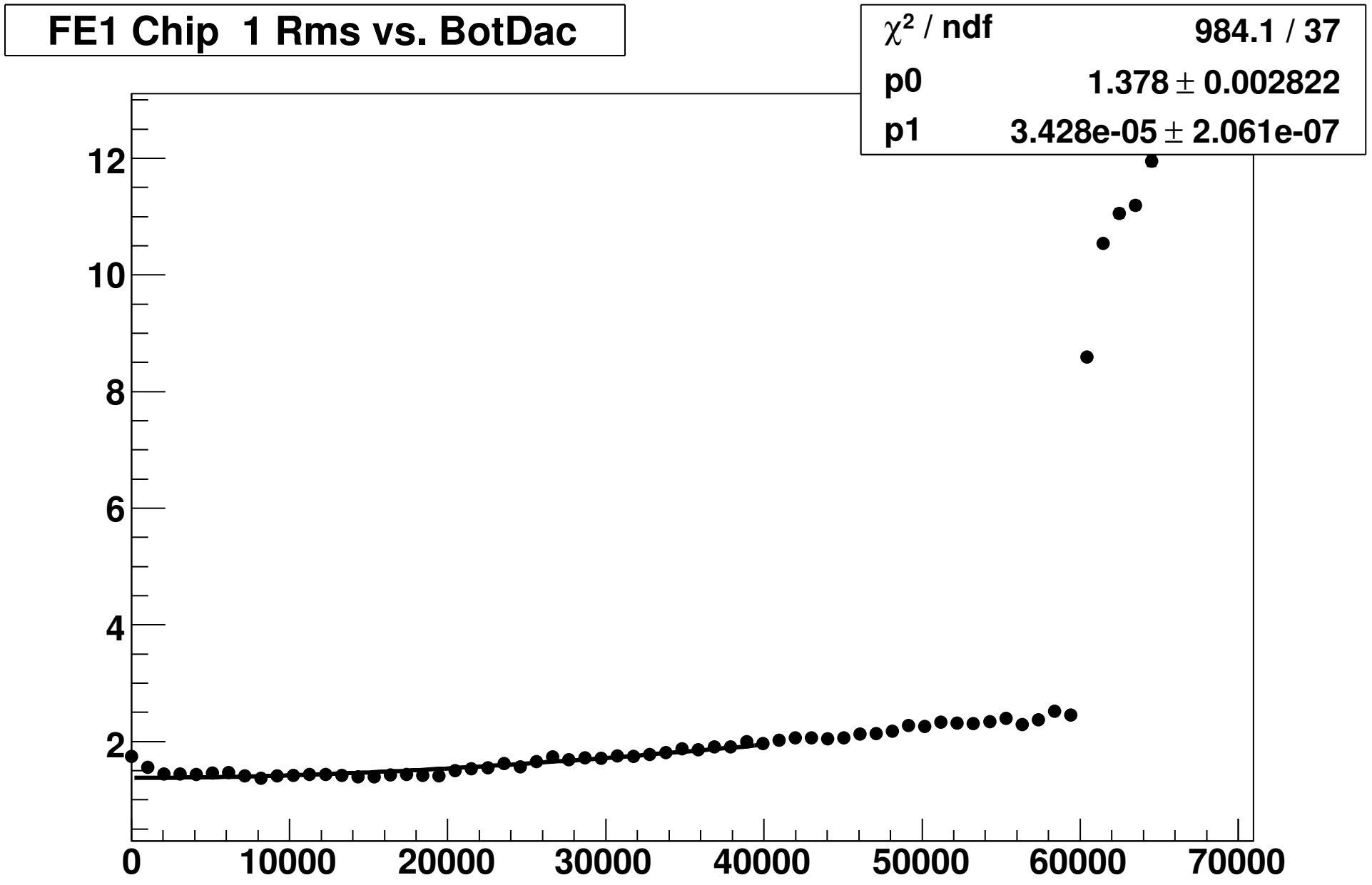
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 984.1 / 37
p0 1.378 ± 0.002822
p1 3.428e-05 ± 2.061e-07
12
10
8
6
4
2
0
10000
20000
30000
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50000
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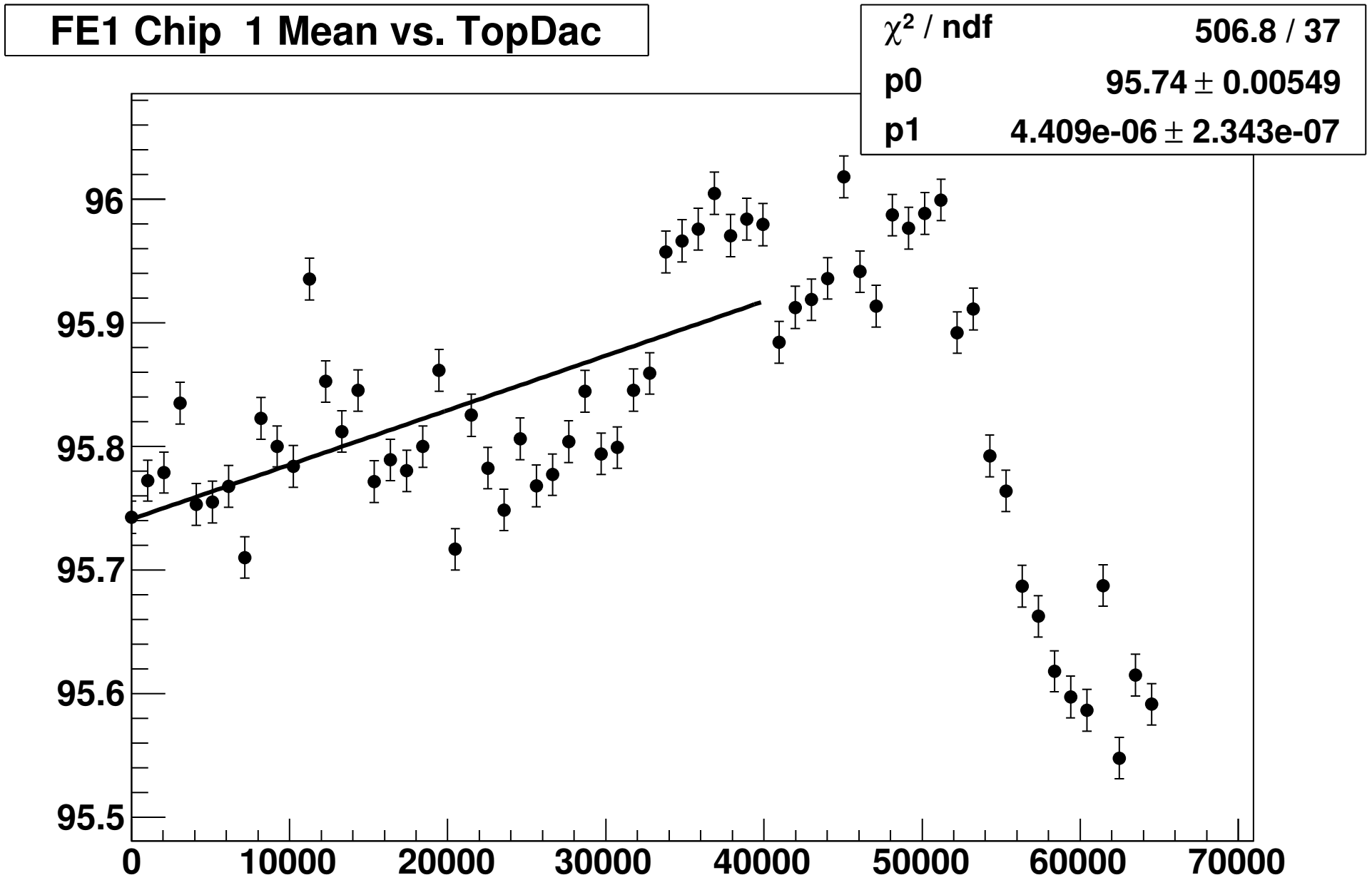
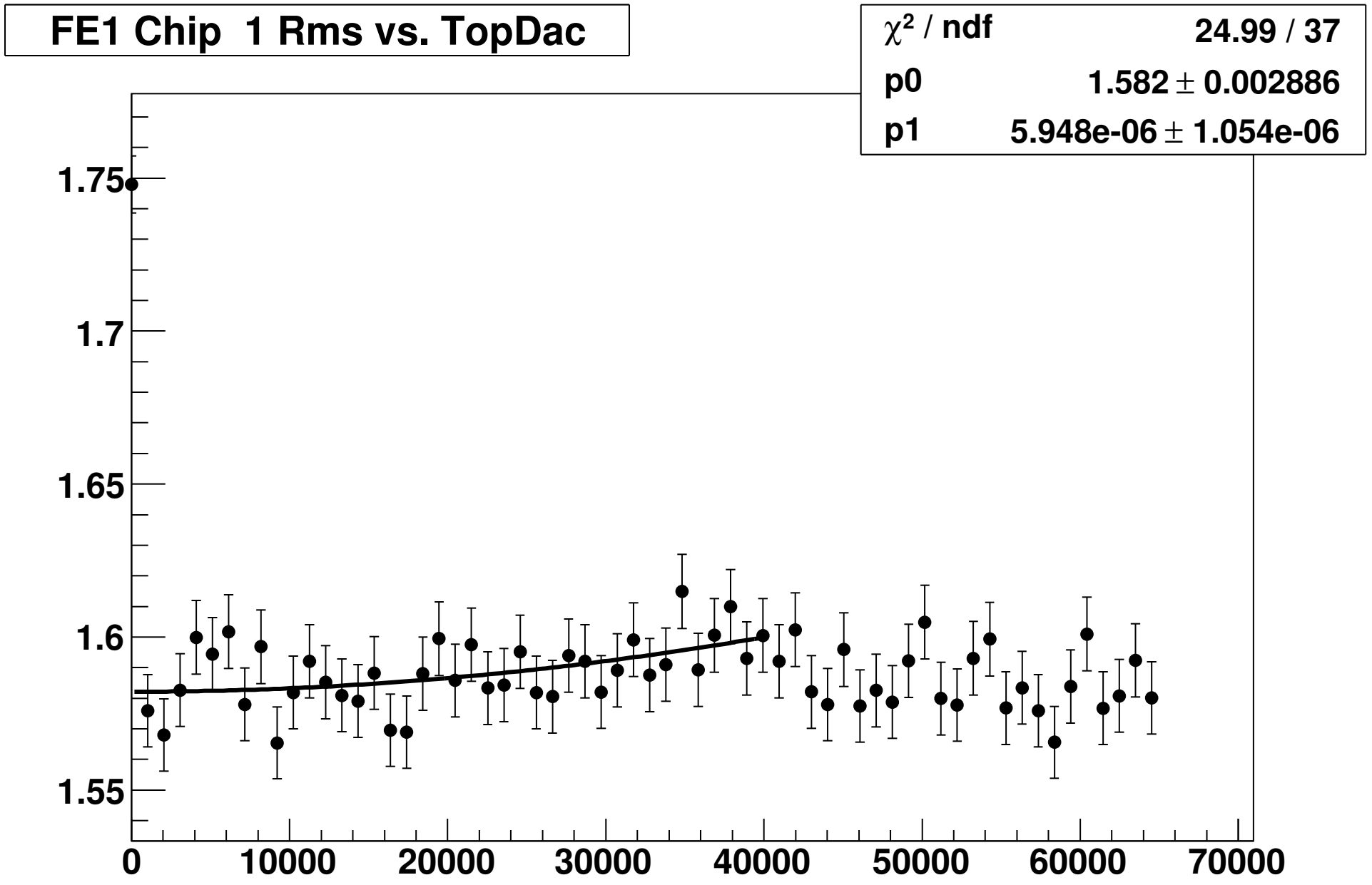

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 506.8 / 37
p0 95.74 ± 0.00549
p1 4.409e-06 ± 2.343e-07
96
95.9
95.8
95.7
95.6
95.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 24.99 / 37
p0 1.582 ± 0.002886
p1 5.948e-06 ± 1.054e-06
1.75
1.7
1.65
1.6
1.55
0
10000
20000
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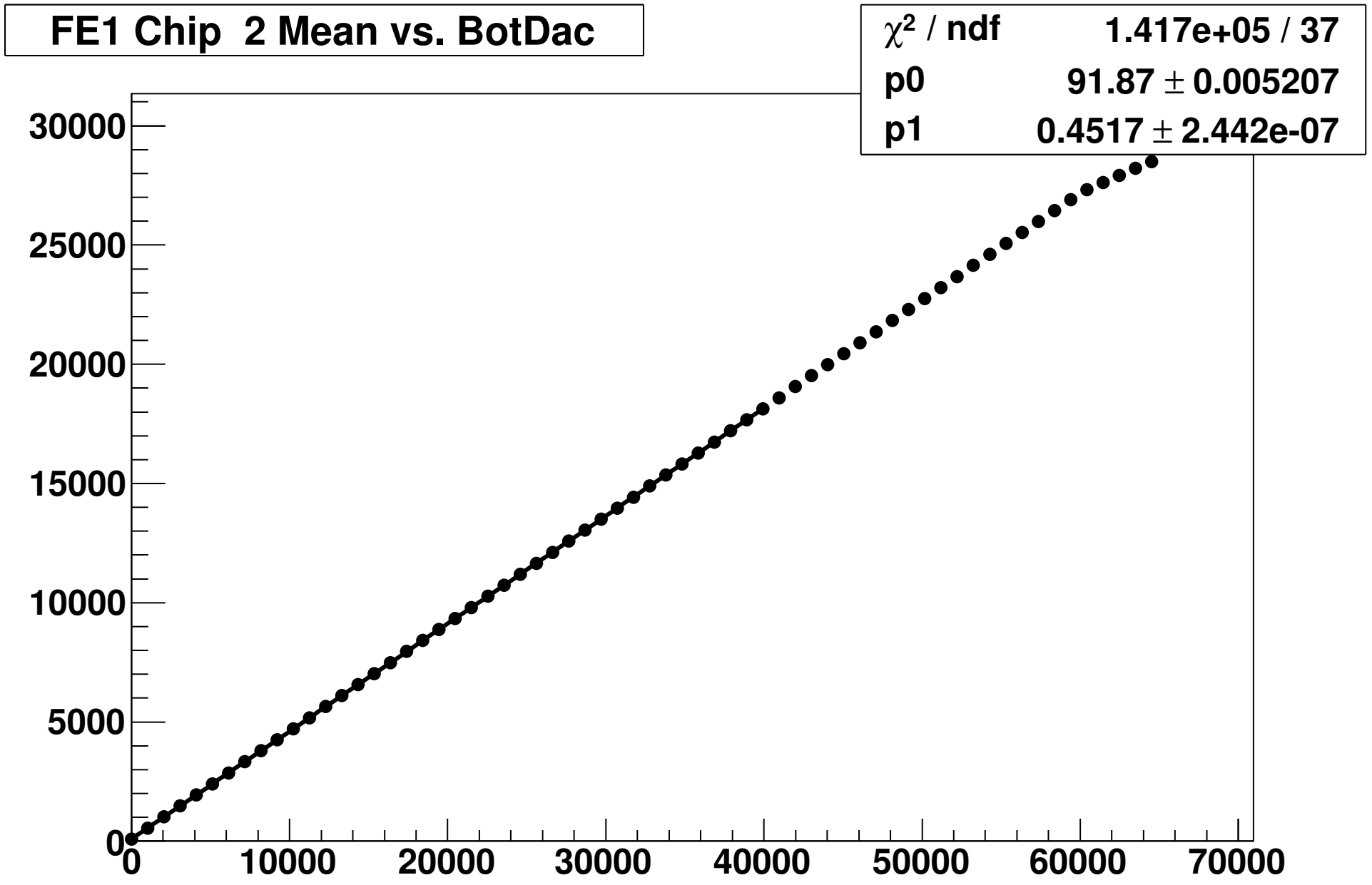
FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.417e+05 / 37
p0 91.87 ± 0.005207
p1 0.4517 ± 2.442e-07
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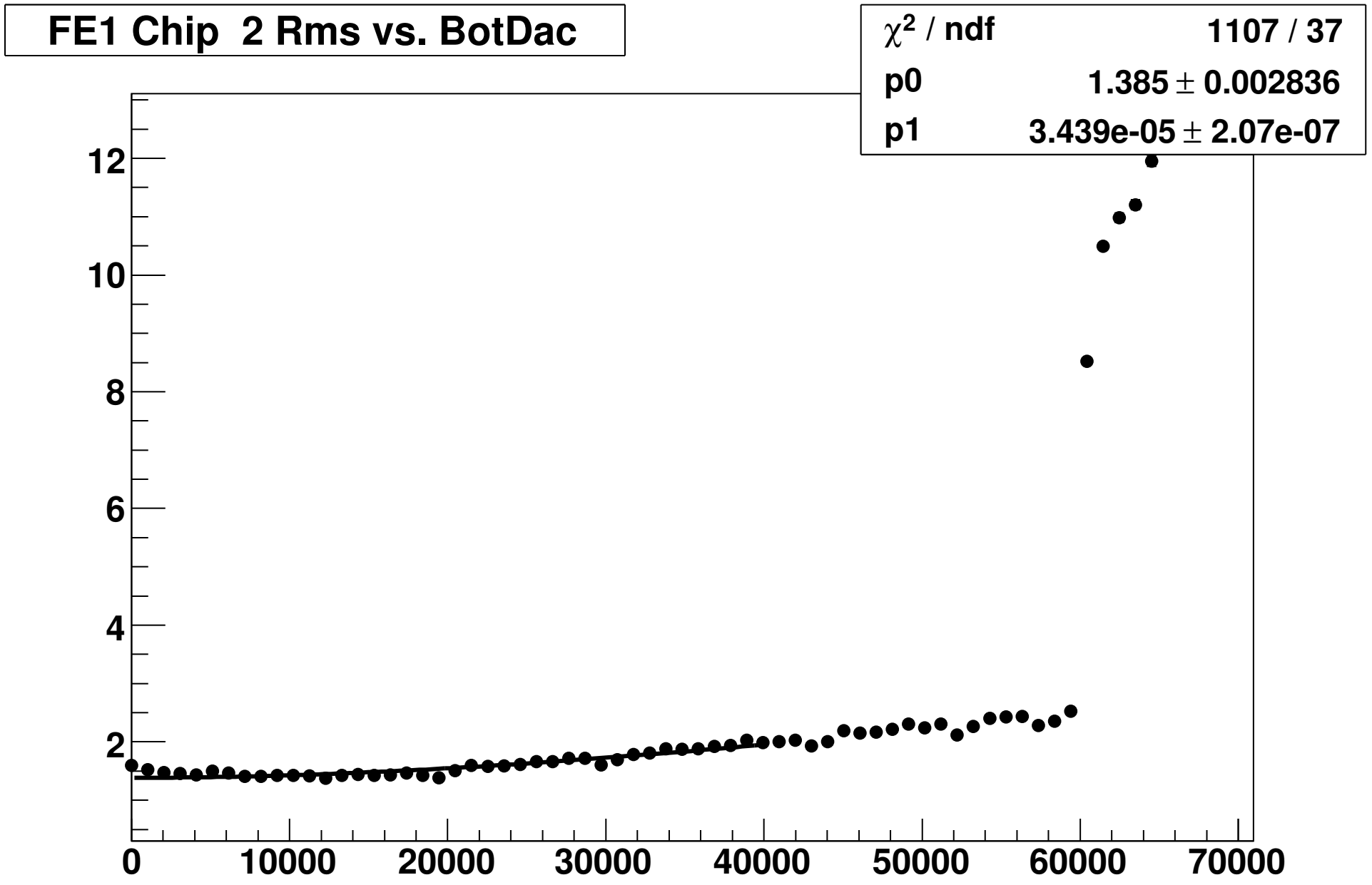
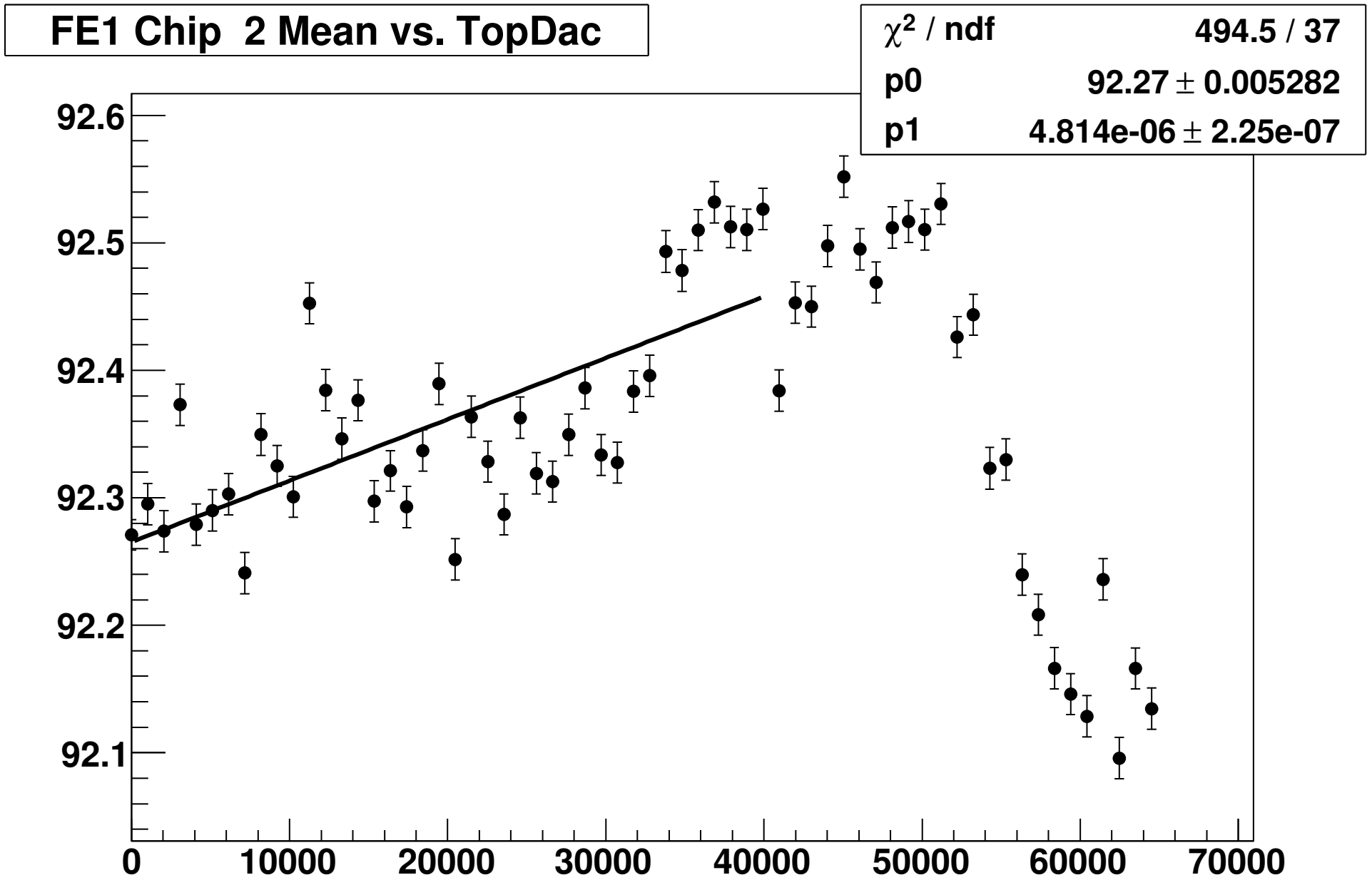
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1107 / 37
p0 1.385 ± 0.002836
p1 3.439e-05 ± 2.07e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 494.5 / 37
p0 92.27 ± 0.005282
p1 4.814e-06 ± 2.25e-07
92.6
92.5
92.4
92.3
92.2
92.1
0
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30000
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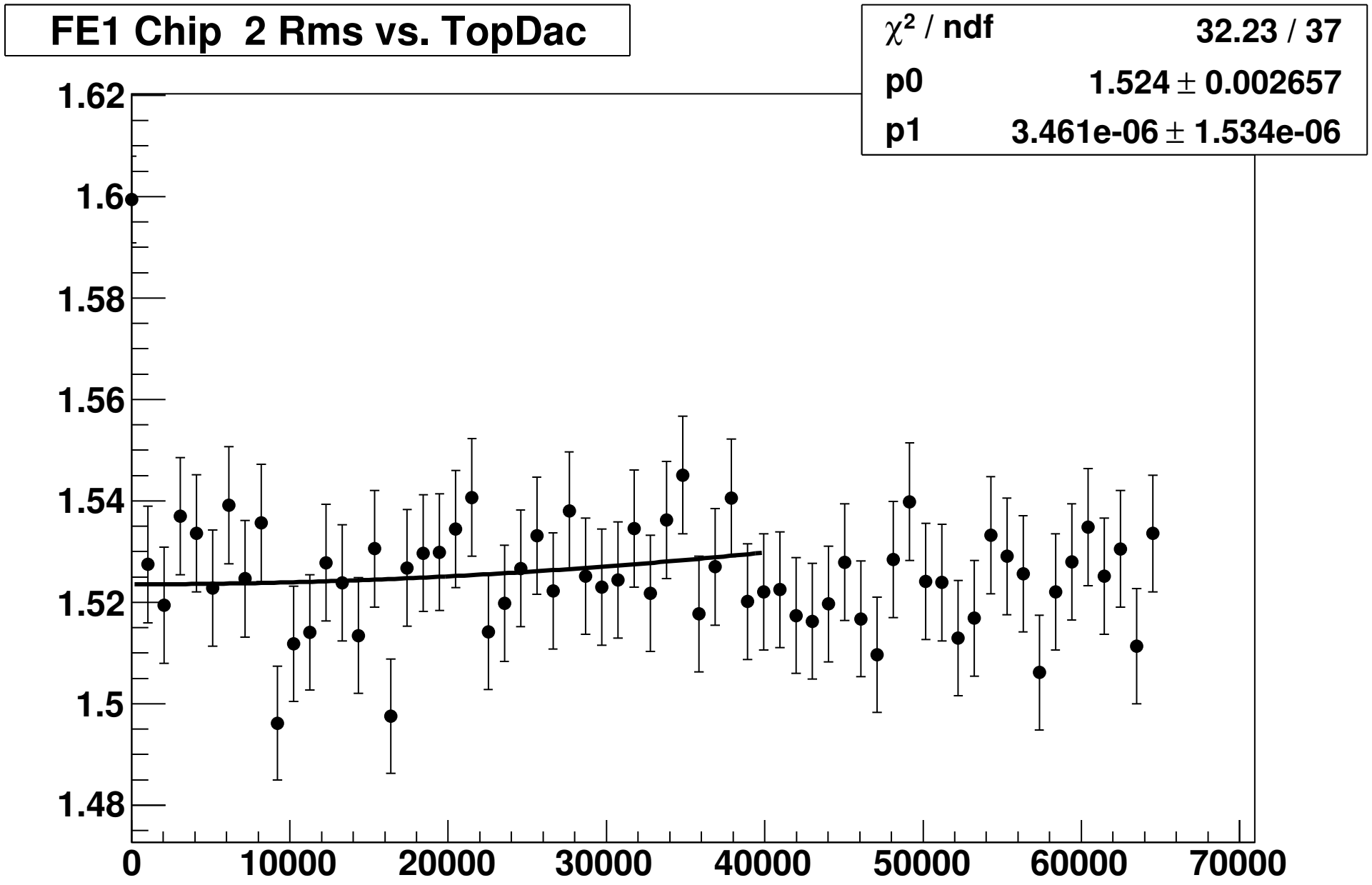
50000
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 32.23 / 37
p0 1.524 ± 0.002657
p1 3.461e-06 ± 1.534e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
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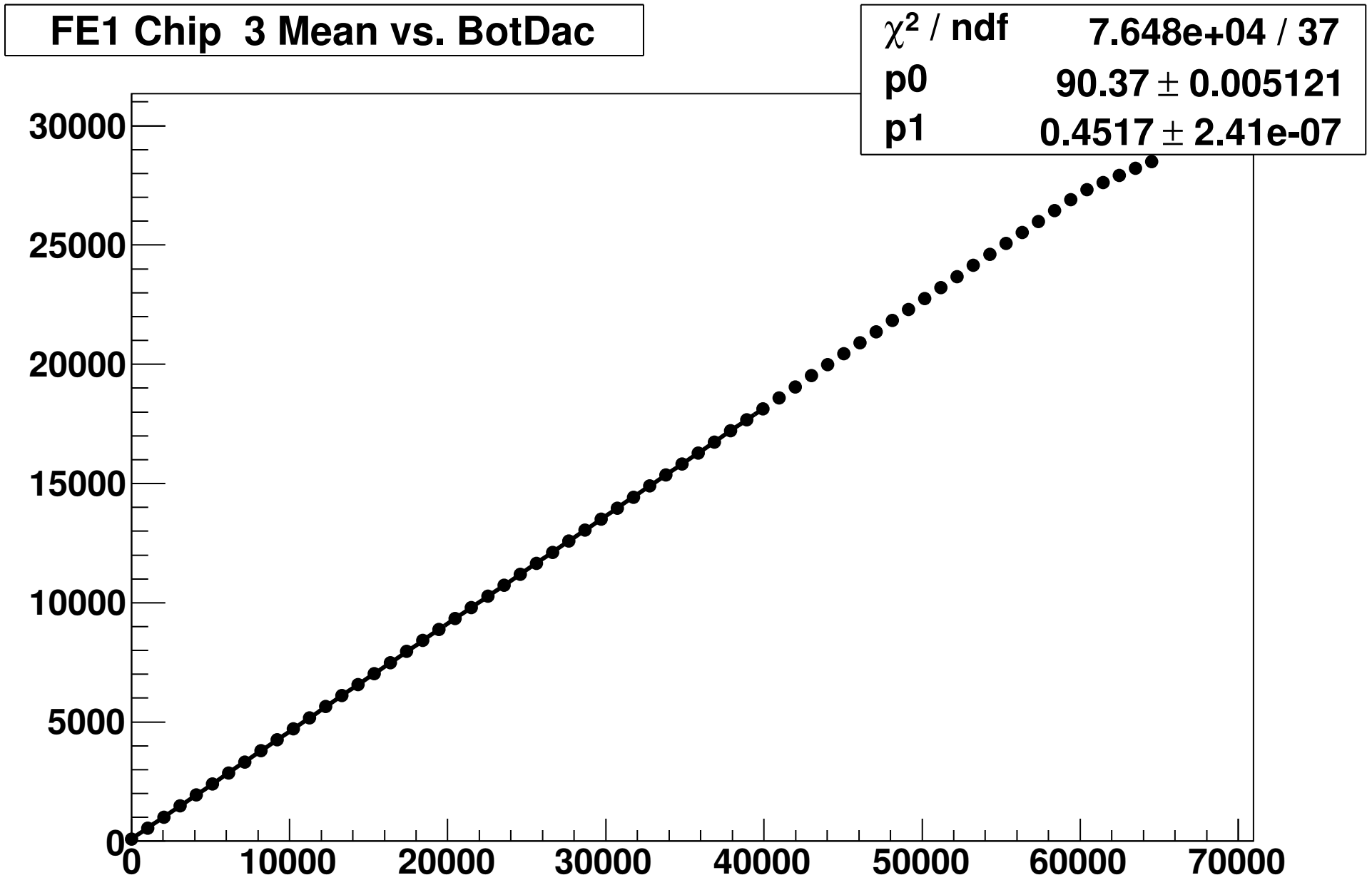
FE1 Chip 3 Mean vs. BotDac
χ² / ndf 7.648e+04 / 37
p0 90.37 ± 0.005121
p1 0.4517 ± 2.41e-07
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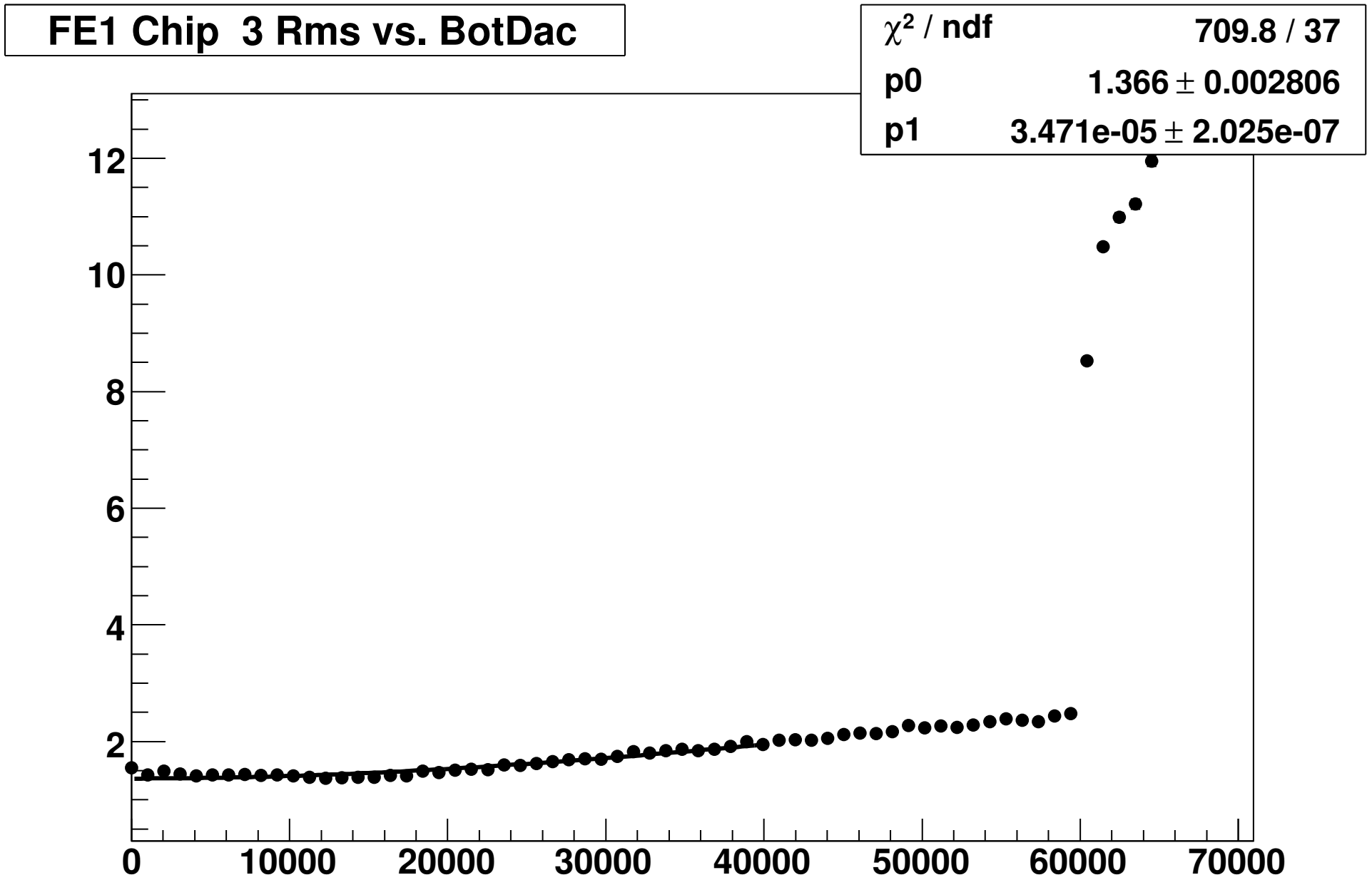
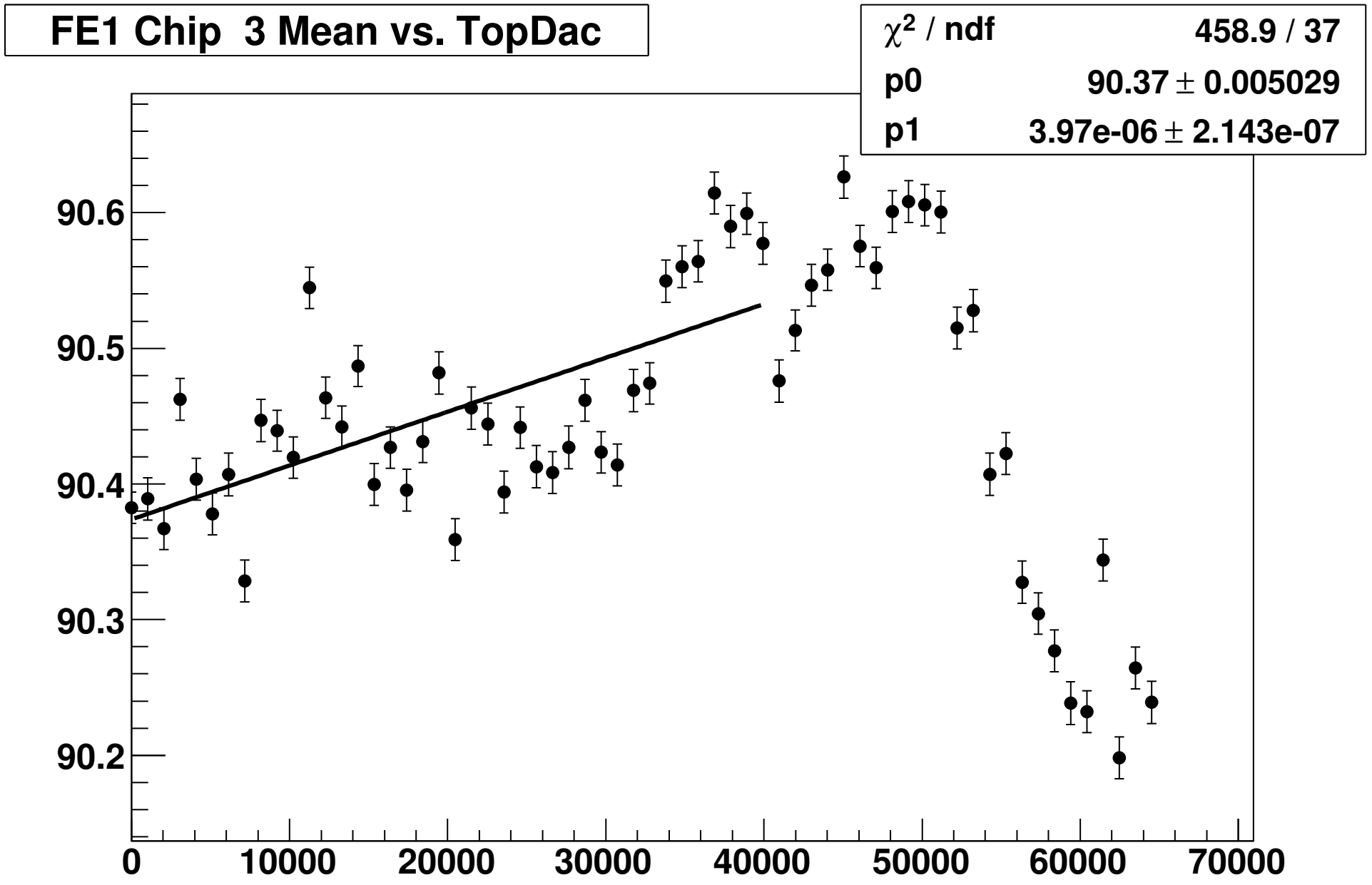
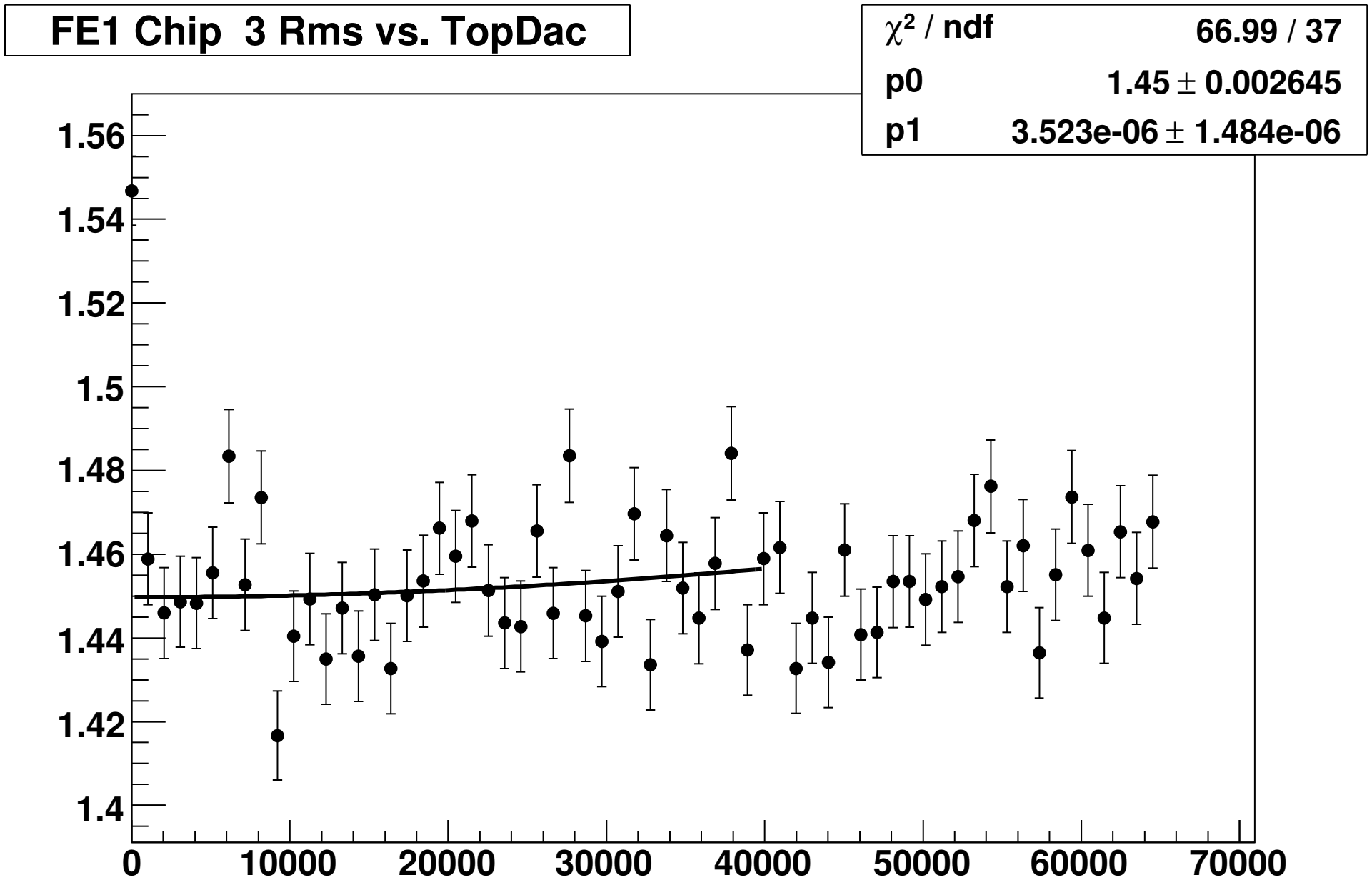
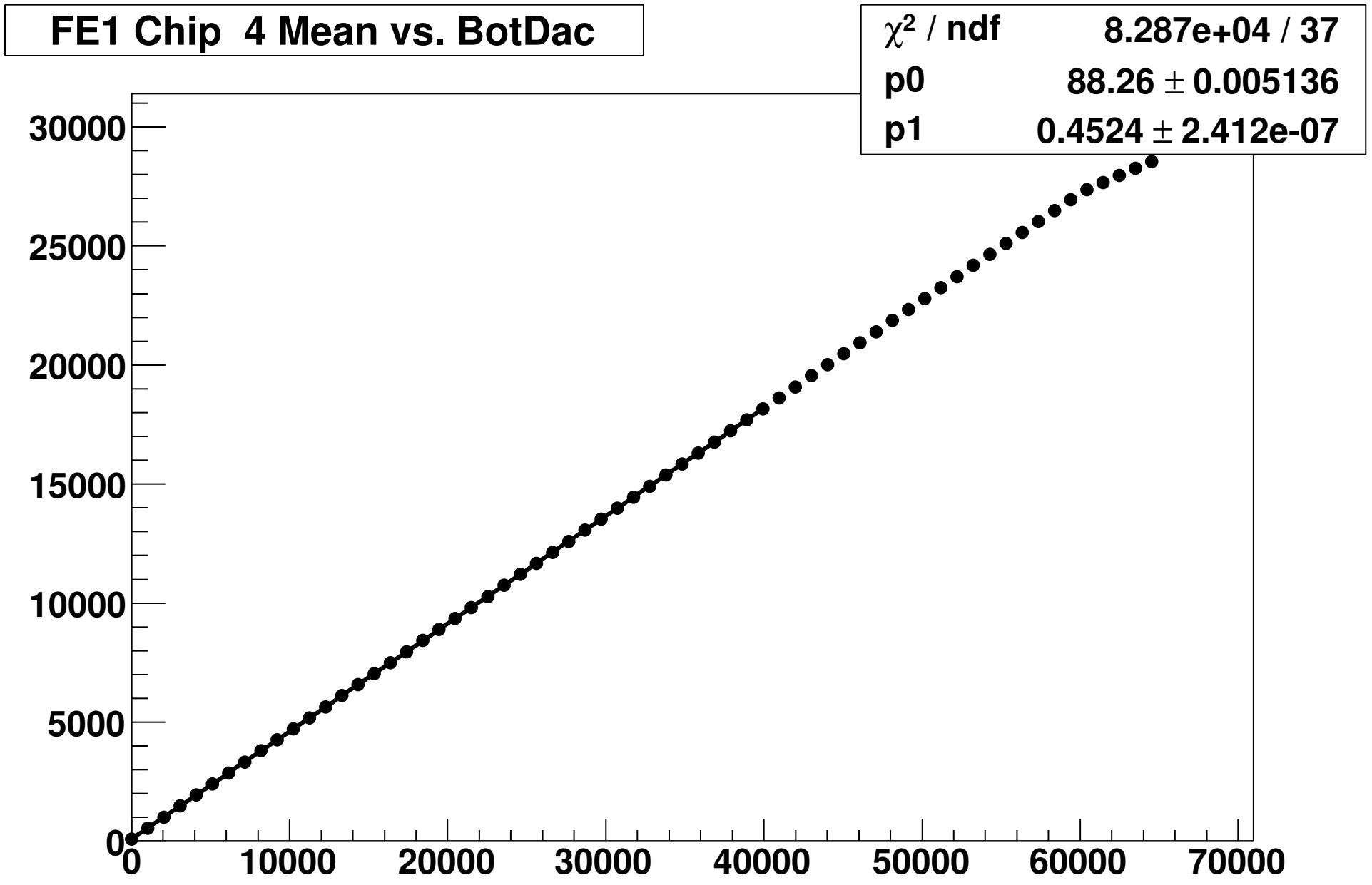
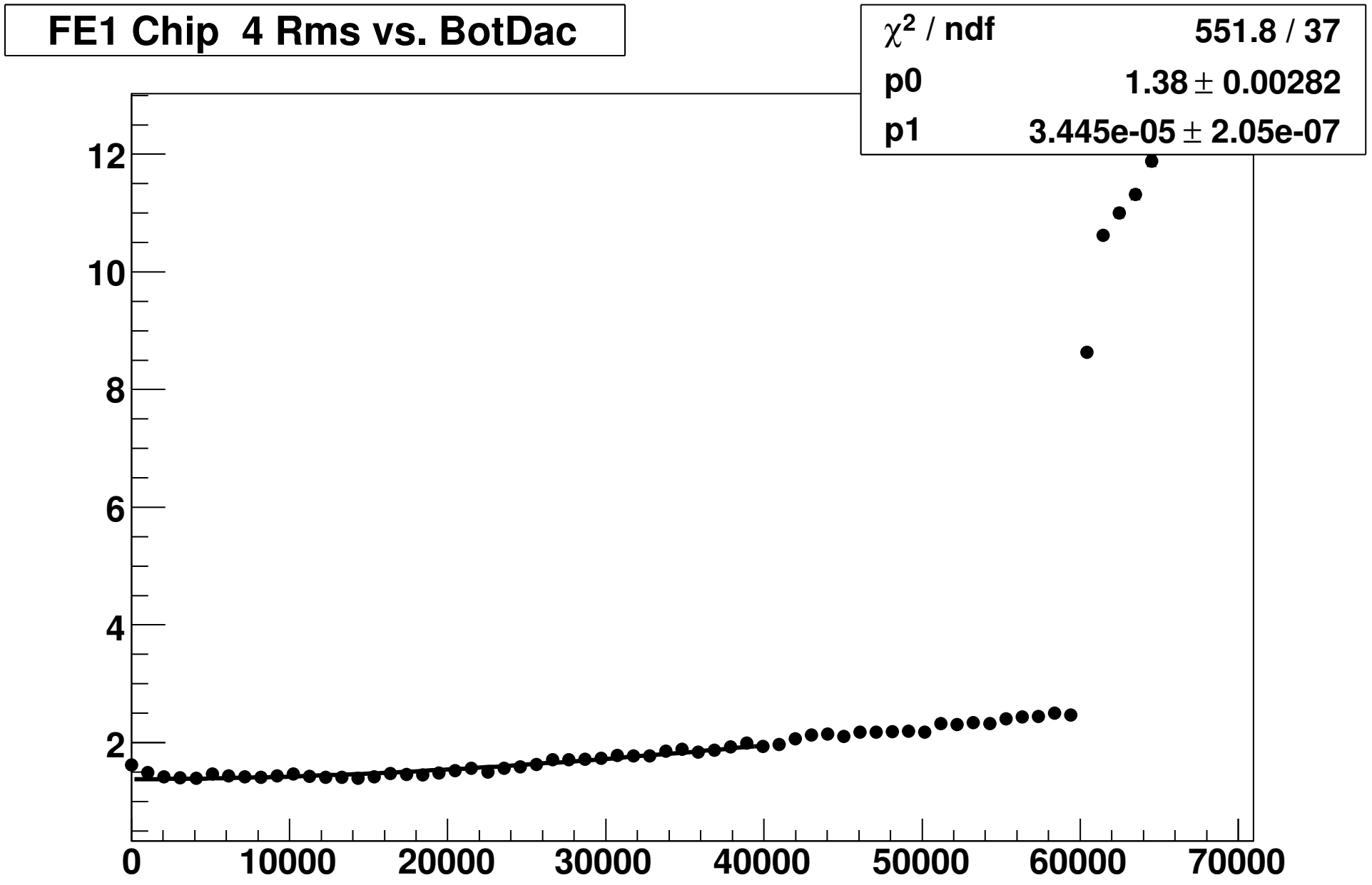
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

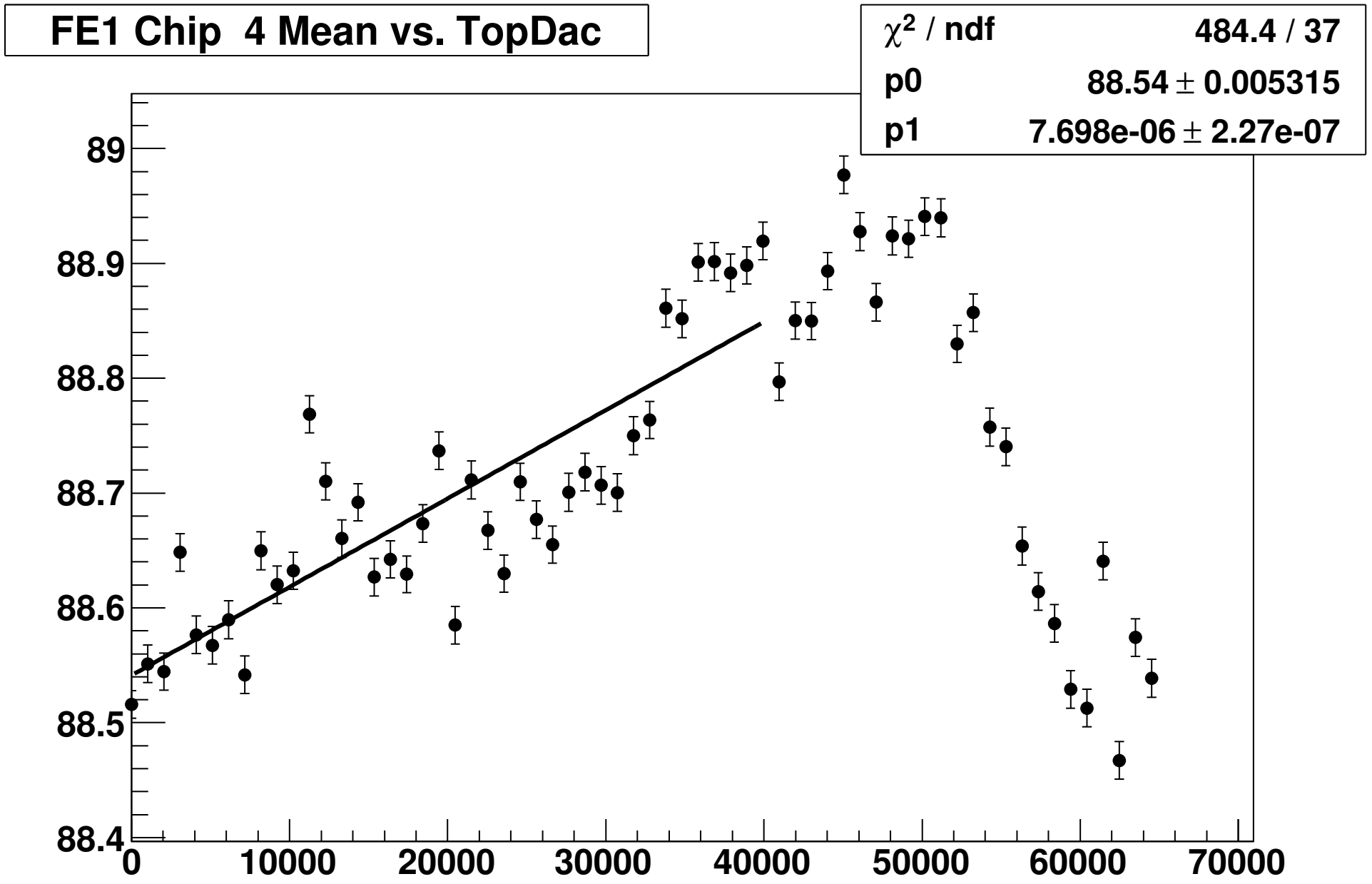

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 709.8 / 37
p0 1.366 ± 0.002806
p1 3.471e-05 ± 2.025e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 458.9 / 37
p0 90.37 ± 0.005029
p1 3.97e-06 ± 2.143e-07
90.6
90.5
90.4
90.3
90.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 66.99 / 37
p0 1.45 ± 0.002645
p1 3.523e-06 ± 1.484e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 8.287e+04 / 37
p0 88.26 ± 0.005136
p1 0.4524 ± 2.412e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 551.8 / 37
p0 1.38 ± 0.00282
p1 3.445e-05 ± 2.05e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 484.4 / 37
p0 88.54 ± 0.005315
p1 7.698e-06 ± 2.27e-07
89
88.9
88.8
88.7
88.6
88.5
88.4
0
10000
20000
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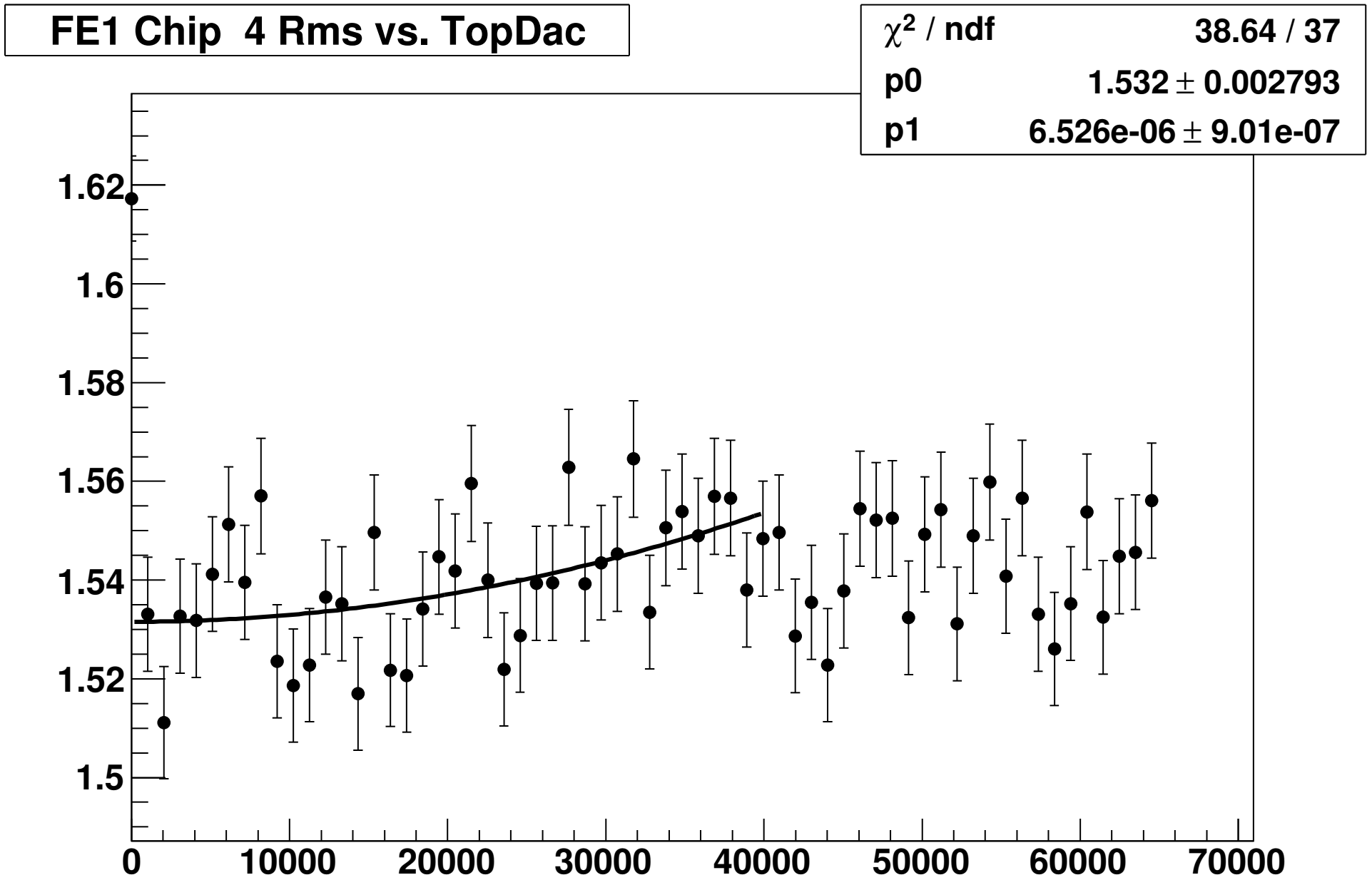
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 38.64 / 37
p0 1.532 ± 0.002793
p1 6.526e-06 ± 9.01e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
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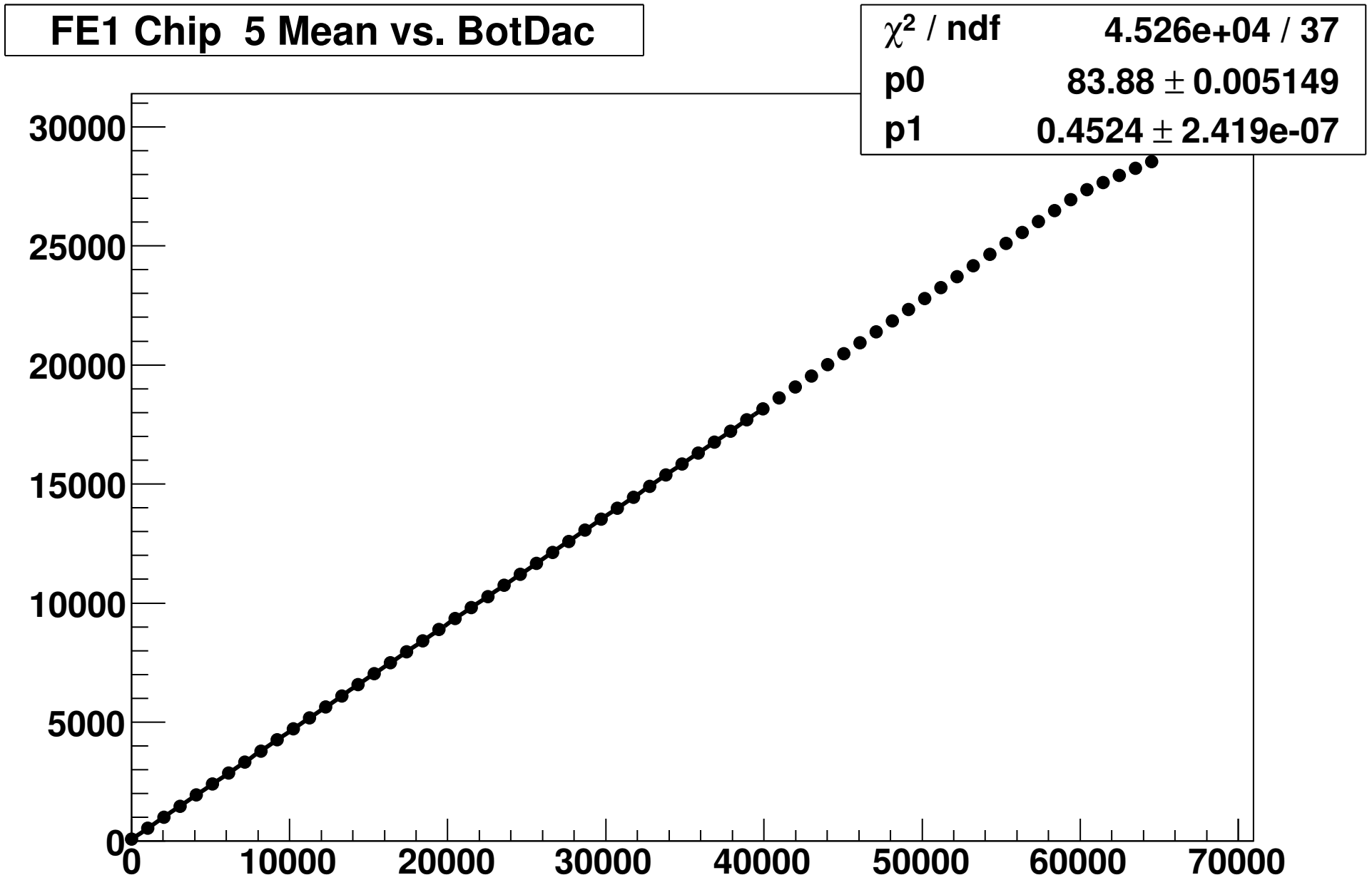
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 4.526e+04 / 37
p0 83.88 ± 0.005149
p1 0.4524 ± 2.419e-07
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15000
10000
5000
0
0
10000
20000
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40000
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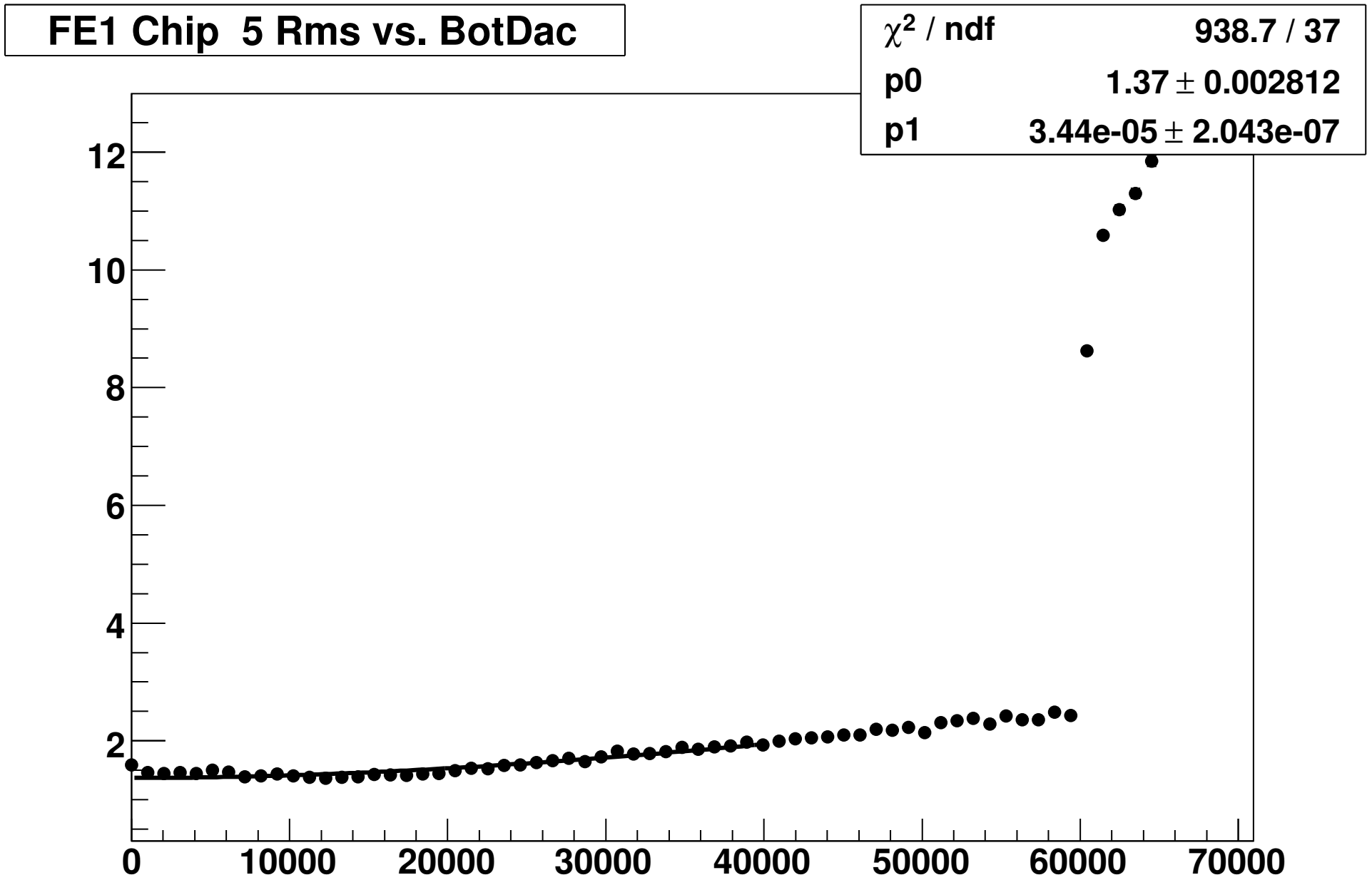
FE1 Chip 5 Rms vs. BotDac
χ² / ndf 938.7 / 37
p0 1.37 ± 0.002812
p1 3.44e-05 ± 2.043e-07
12
10
8
6
4
2
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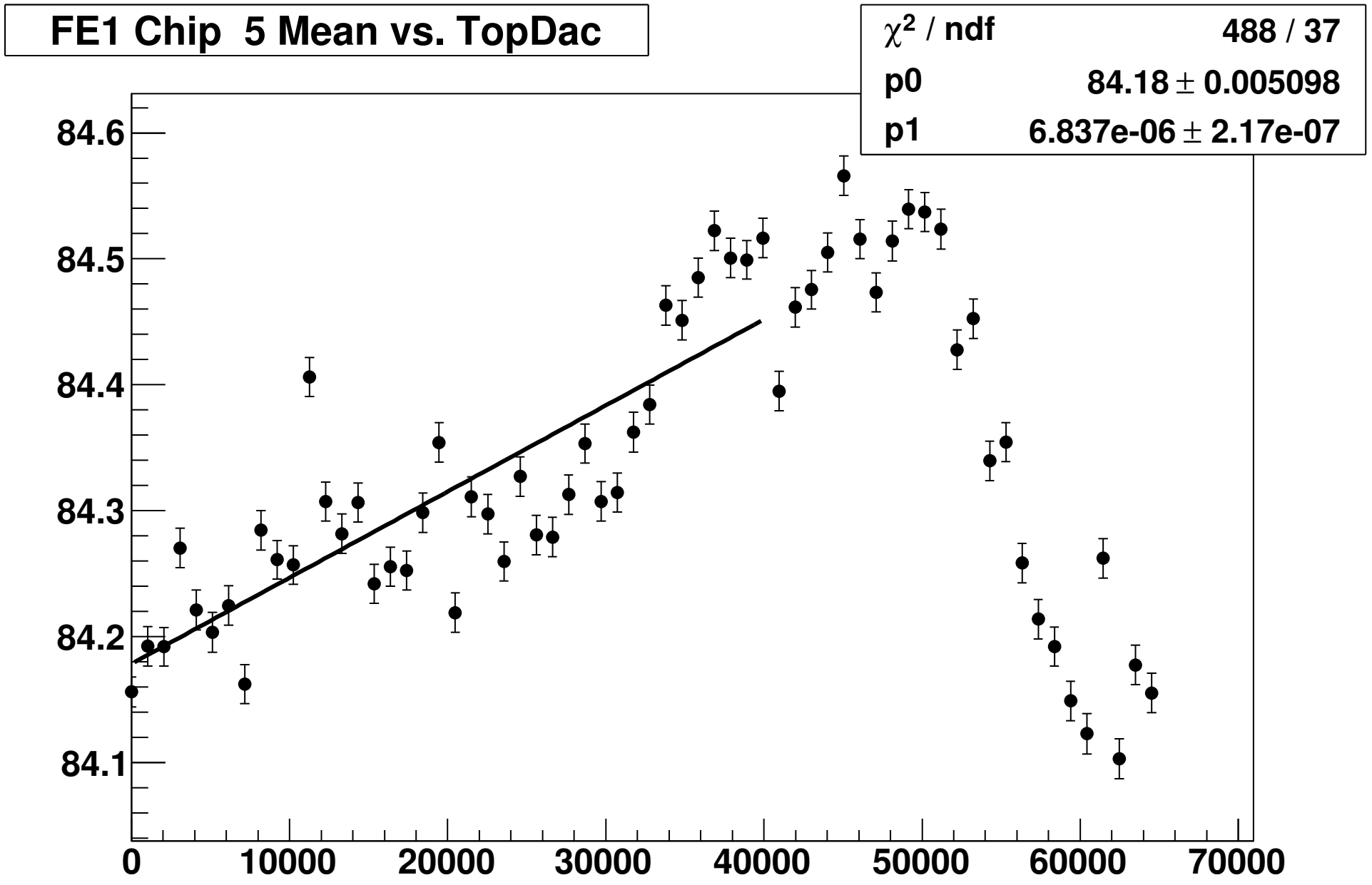
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 488 / 37
p0 84.18 ± 0.005098
p1 6.837e-06 ± 2.17e-07
84.6
84.5
84.4
84.3
84.2
84.1
0
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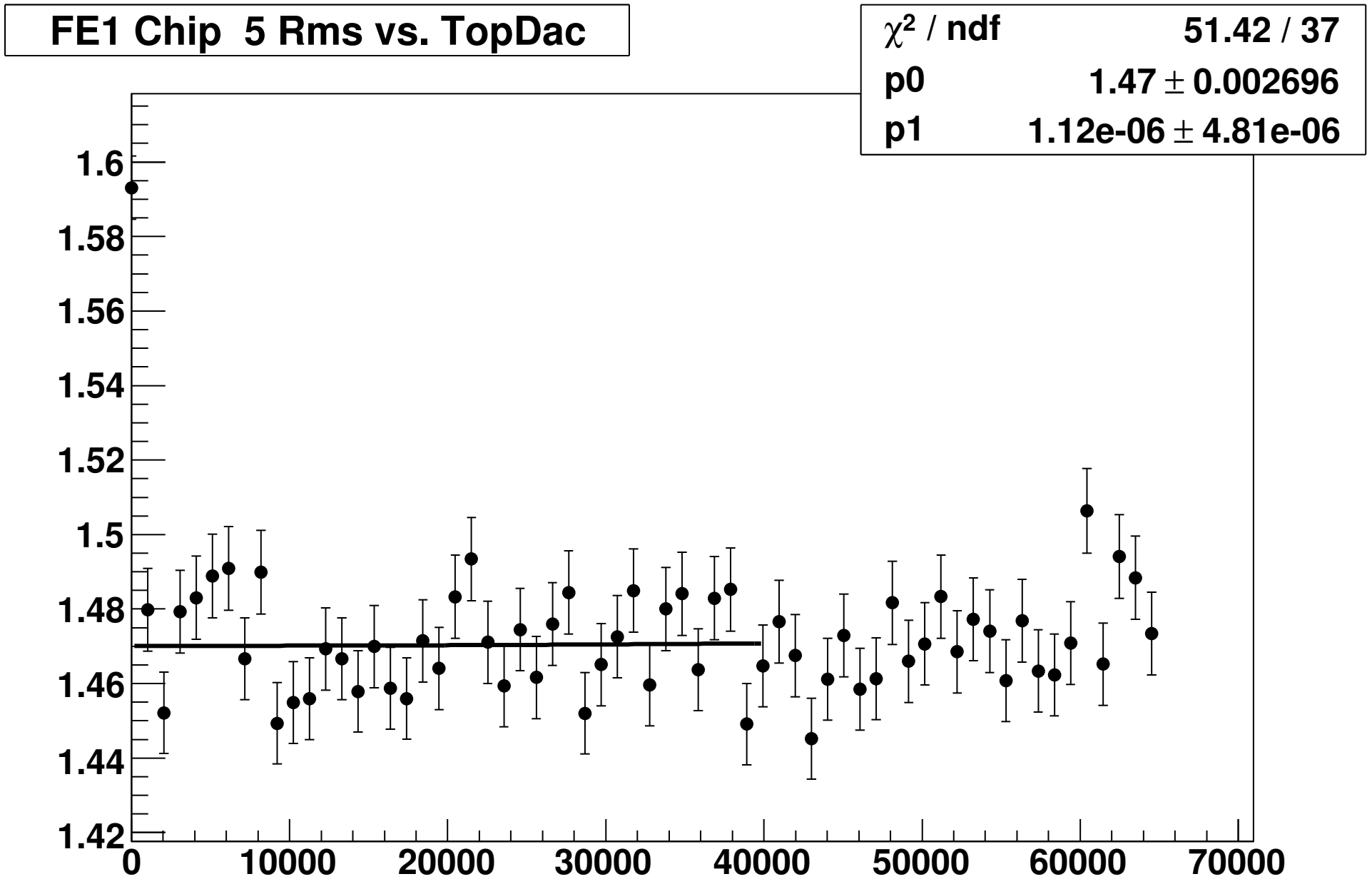
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 51.42 / 37
p0 1.47 ± 0.002696
p1 1.12e-06 ± 4.81e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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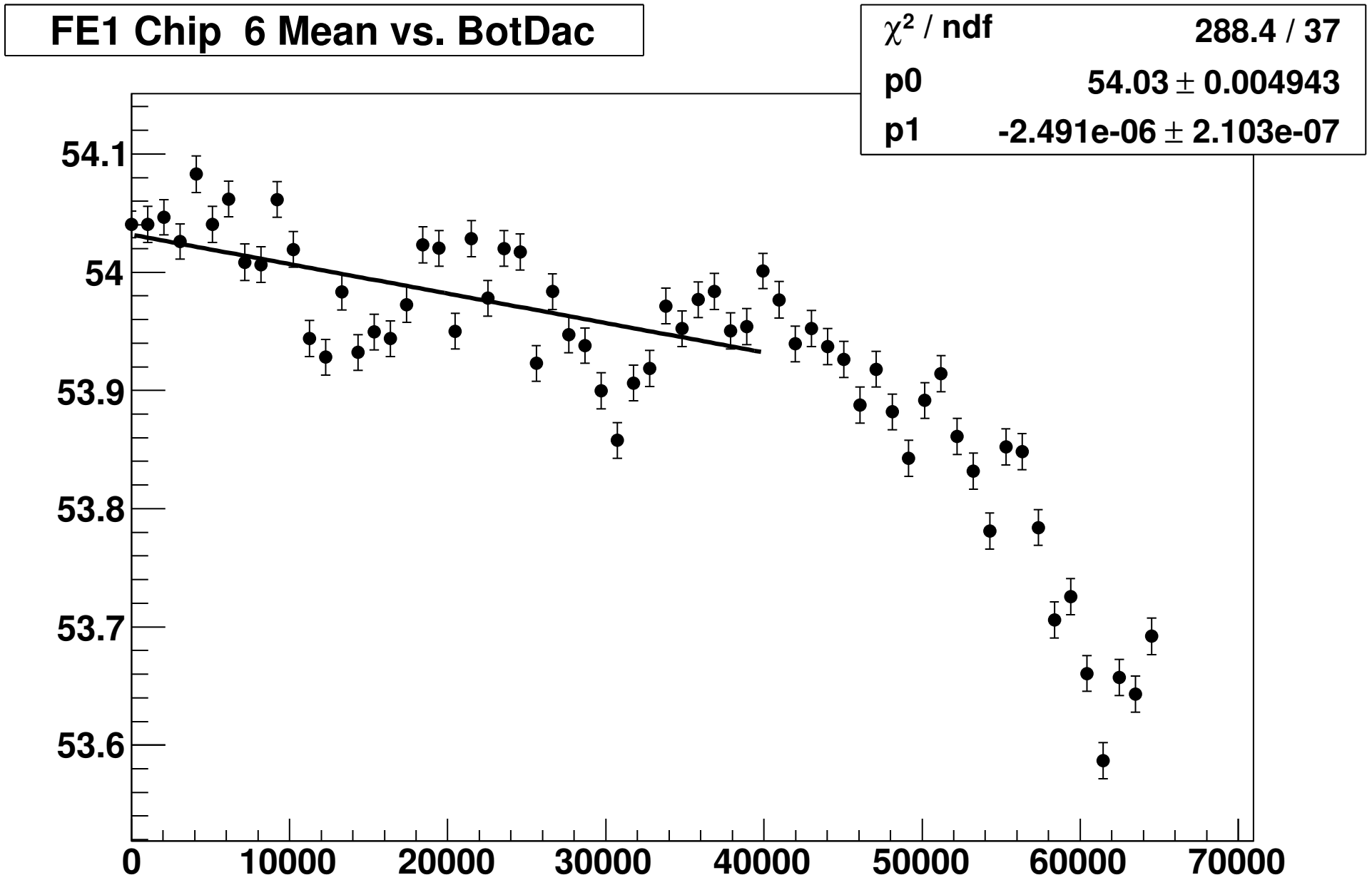
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 288.4 / 37
p0 54.03 ± 0.004943
p1 -2.491e-06 ± 2.103e-07
54.1
54
53.9
53.8
53.7
53.6
0
10000
20000
30000
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60000
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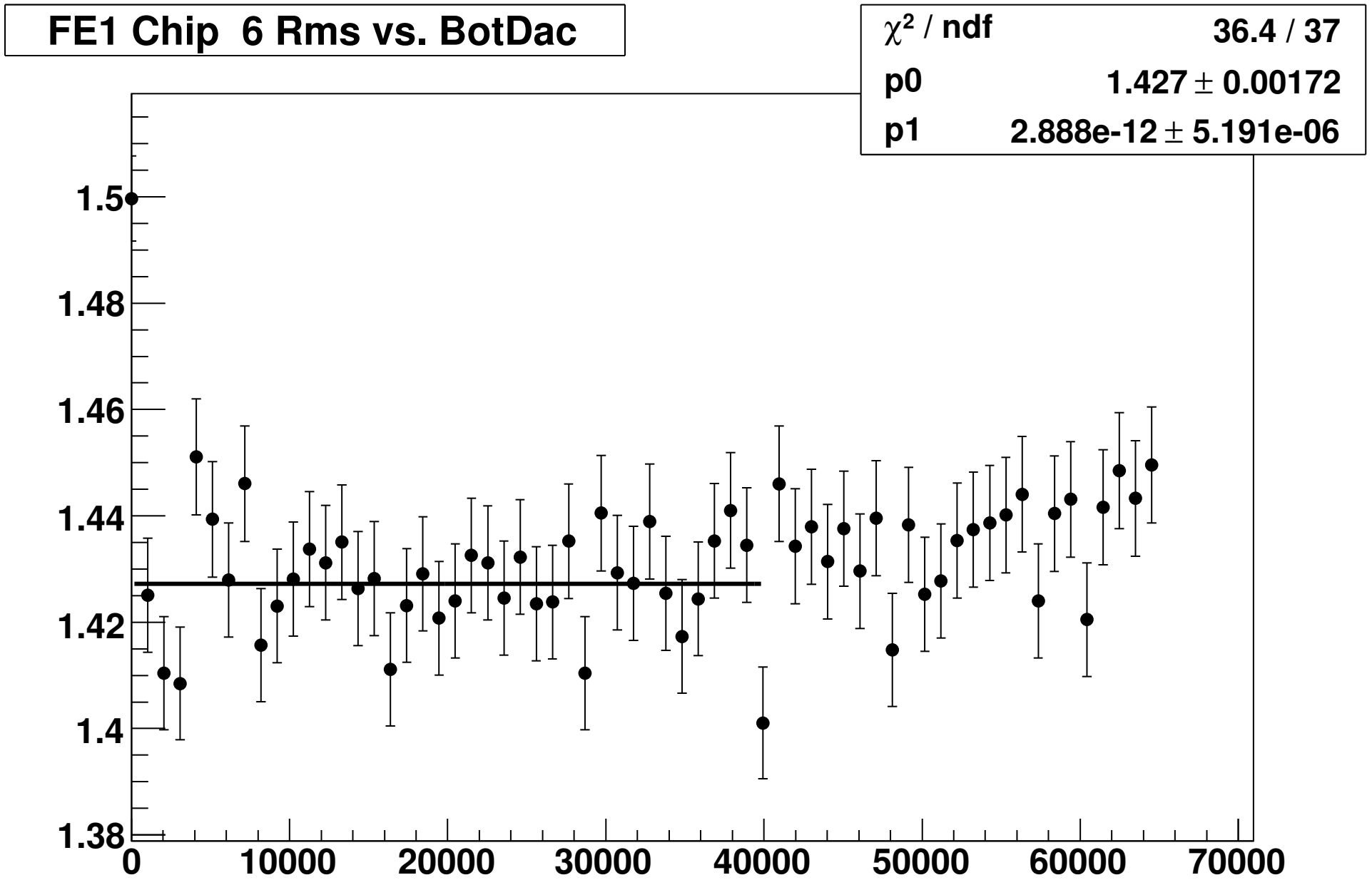
FE1 Chip 6 Rms vs. BotDac
χ² / ndf 36.4 / 37
p0 1.427 ± 0.00172
p1 2.888e-12 ± 5.191e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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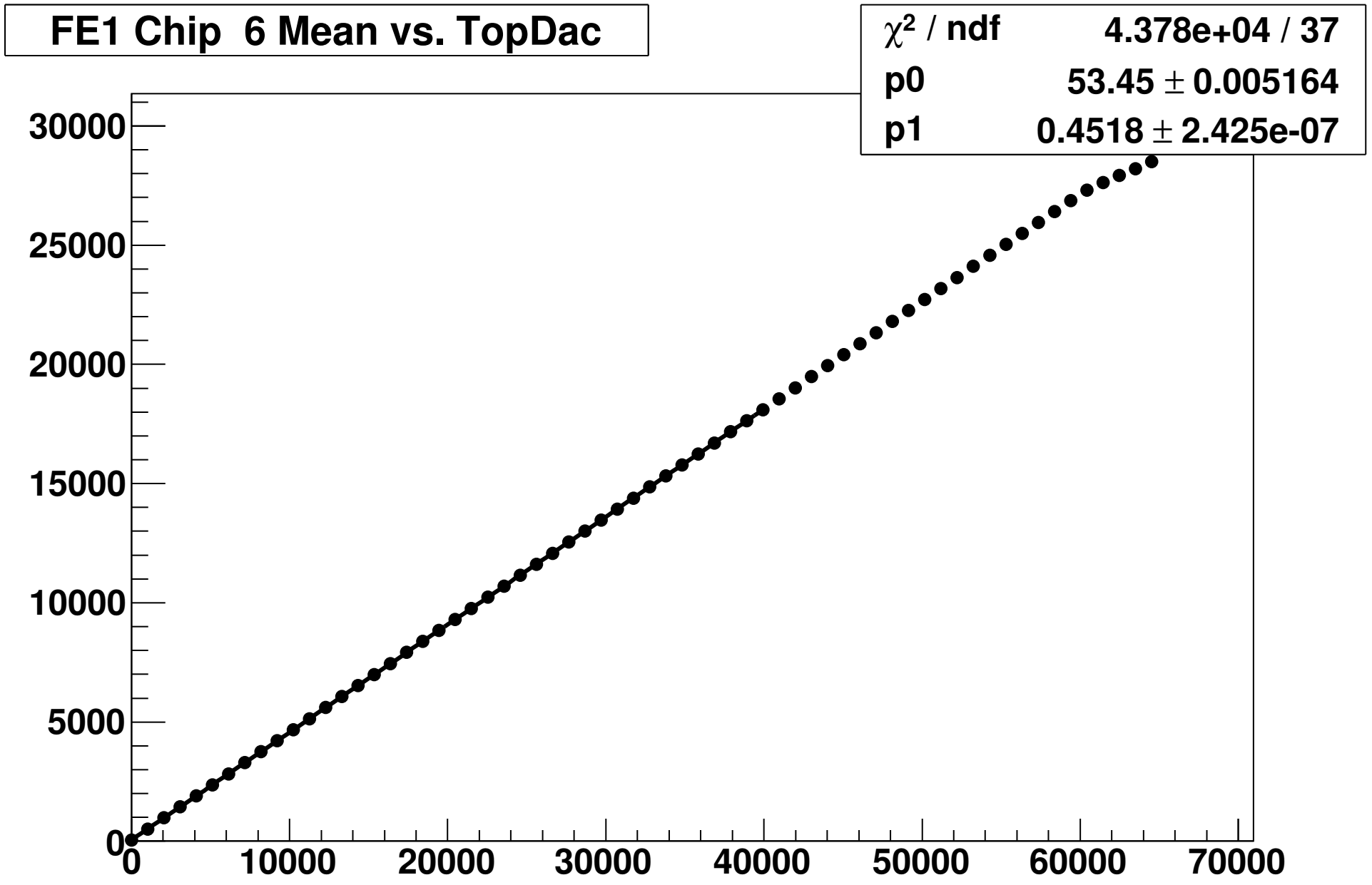
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 4.378e+04 / 37
p0 53.45 ± 0.005164
p1 0.4518 ± 2.425e-07
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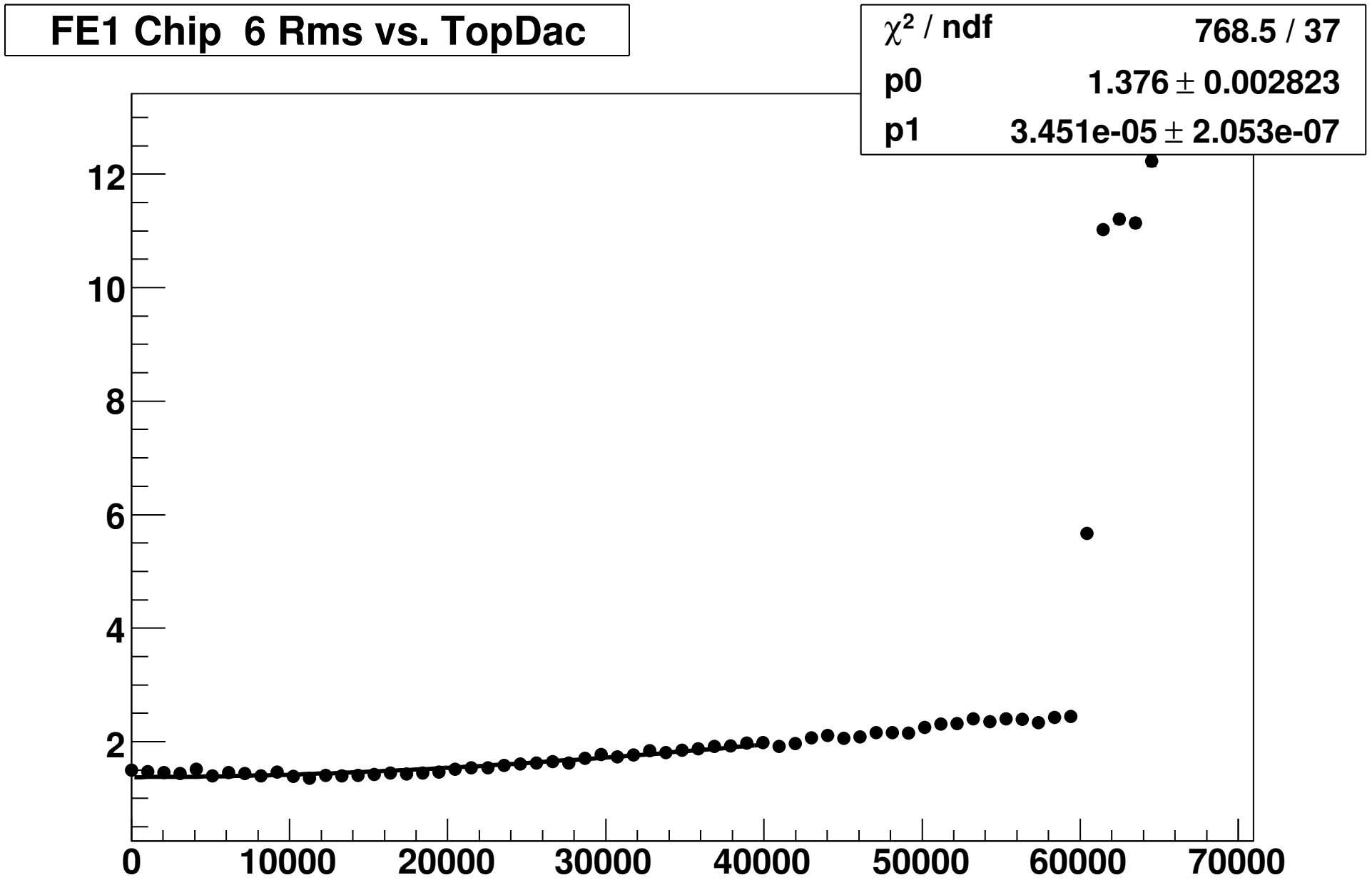
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 768.5 / 37
p0 1.376 ± 0.002823
p1 3.451e-05 ± 2.053e-07
12
10
8
6
4
2
0
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20000
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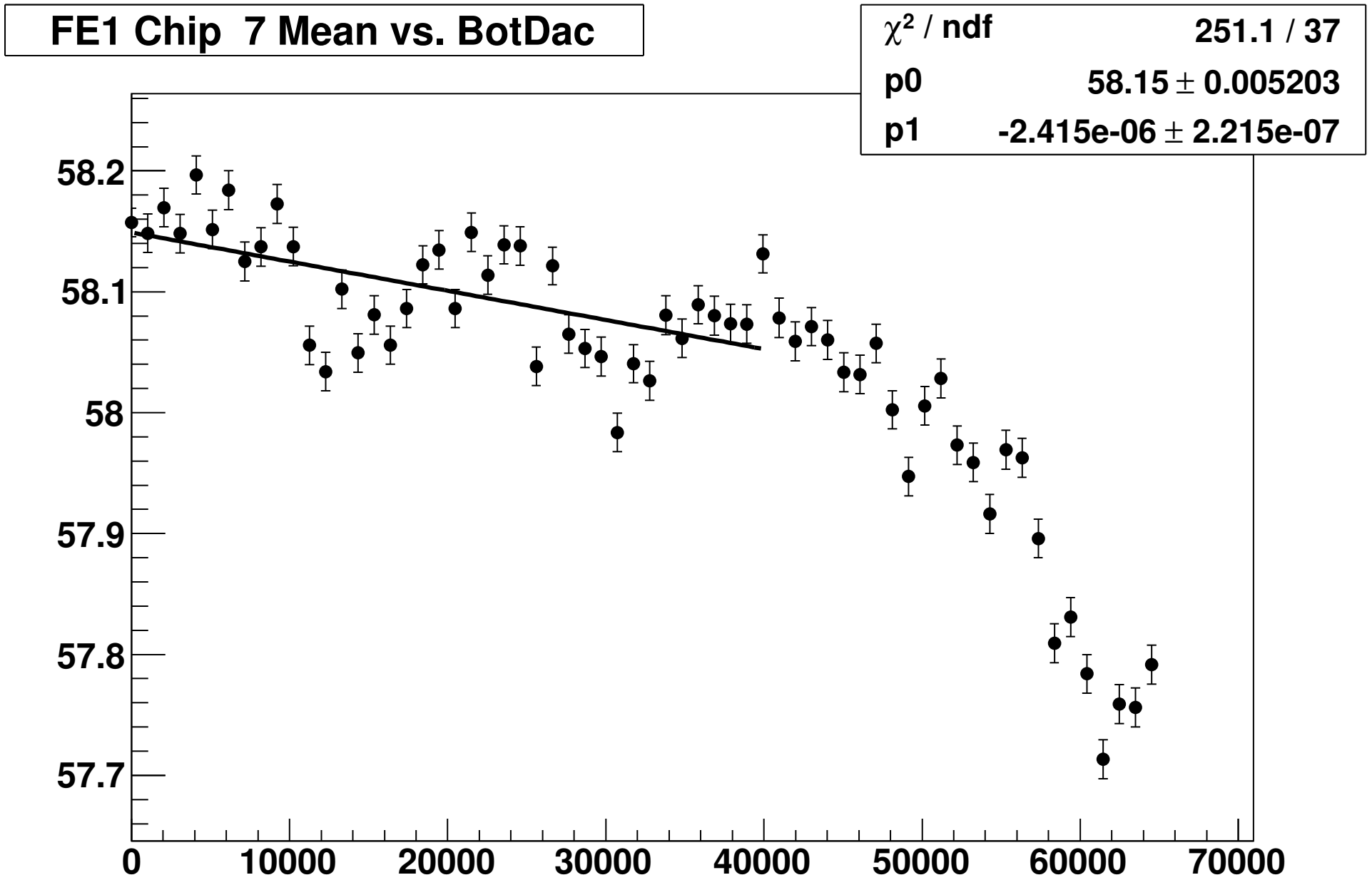
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 251.1 / 37
p0 58.15 ± 0.005203
p1 -2.415e-06 ± 2.215e-07
58.2
58.1
58
57.9
57.8
57.7
0
10000
20000
30000
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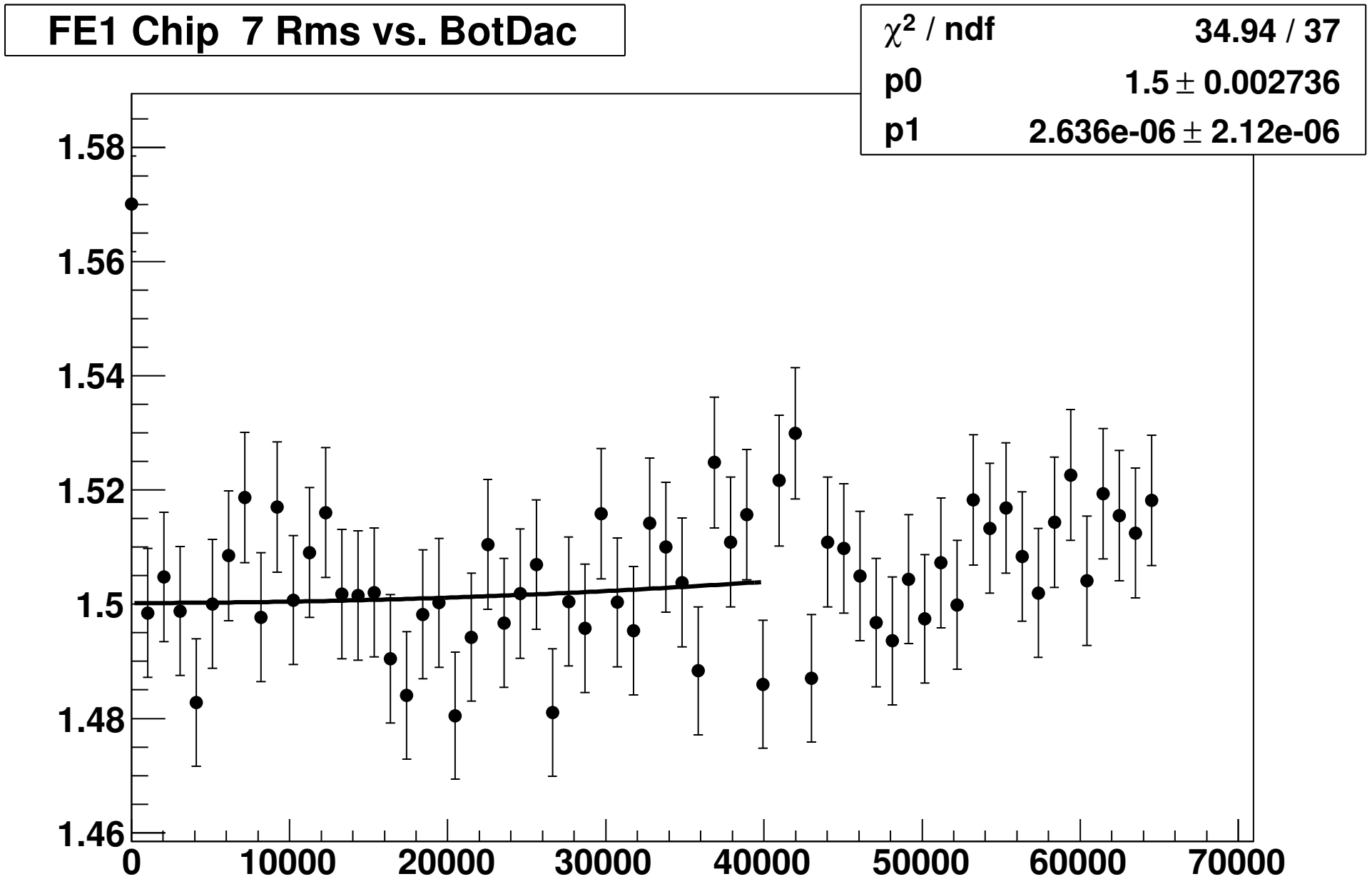
FE1 Chip 7 Rms vs. BotDac
χ² / ndf 34.94 / 37
p0 1.5 ± 0.002736
p1 2.636e-06 ± 2.12e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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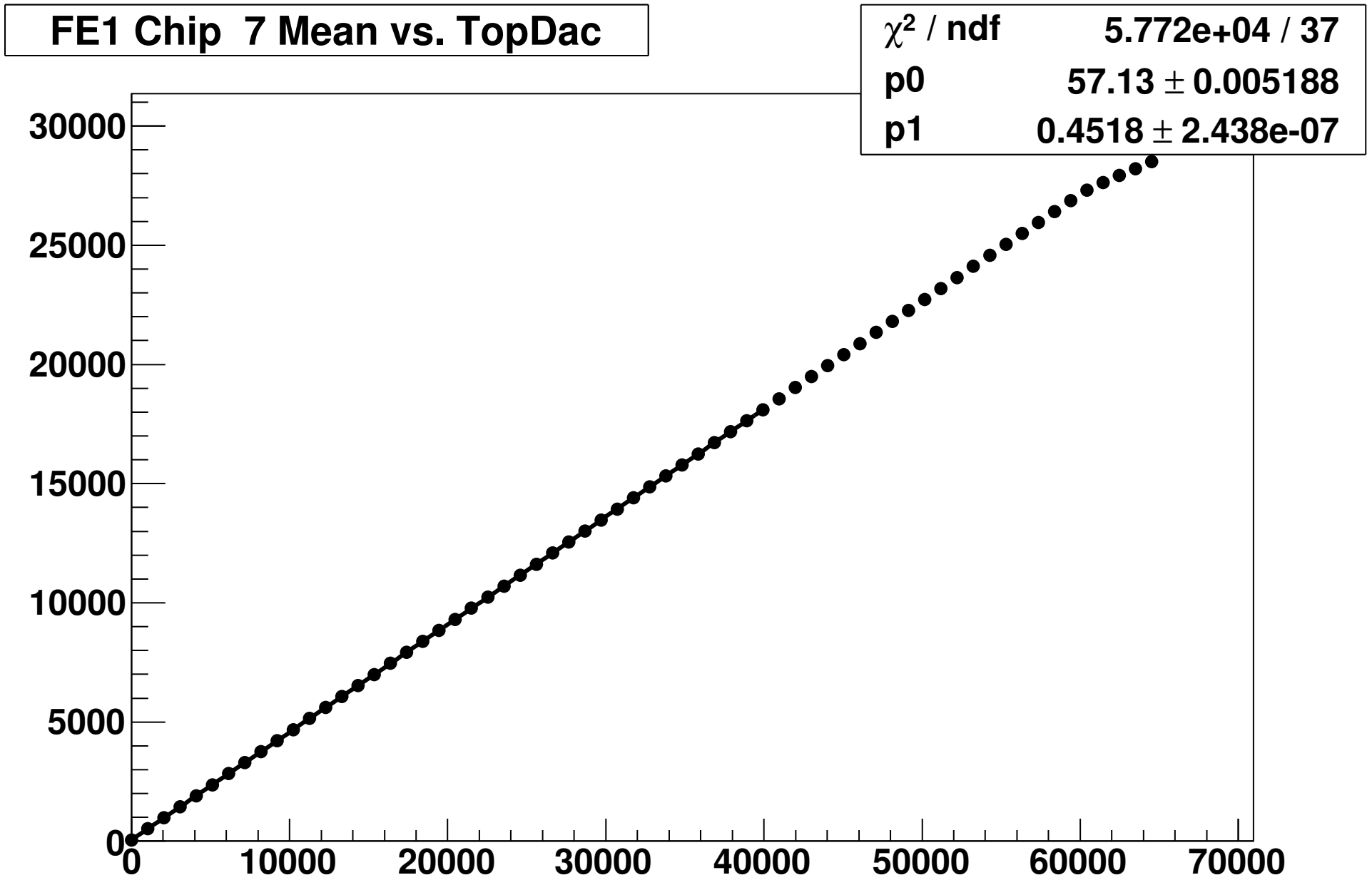
FE1 Chip 7 Mean vs. TopDac
χ² / ndf 5.772e+04 / 37
p0 57.13 ± 0.005188
p1 0.4518 ± 2.438e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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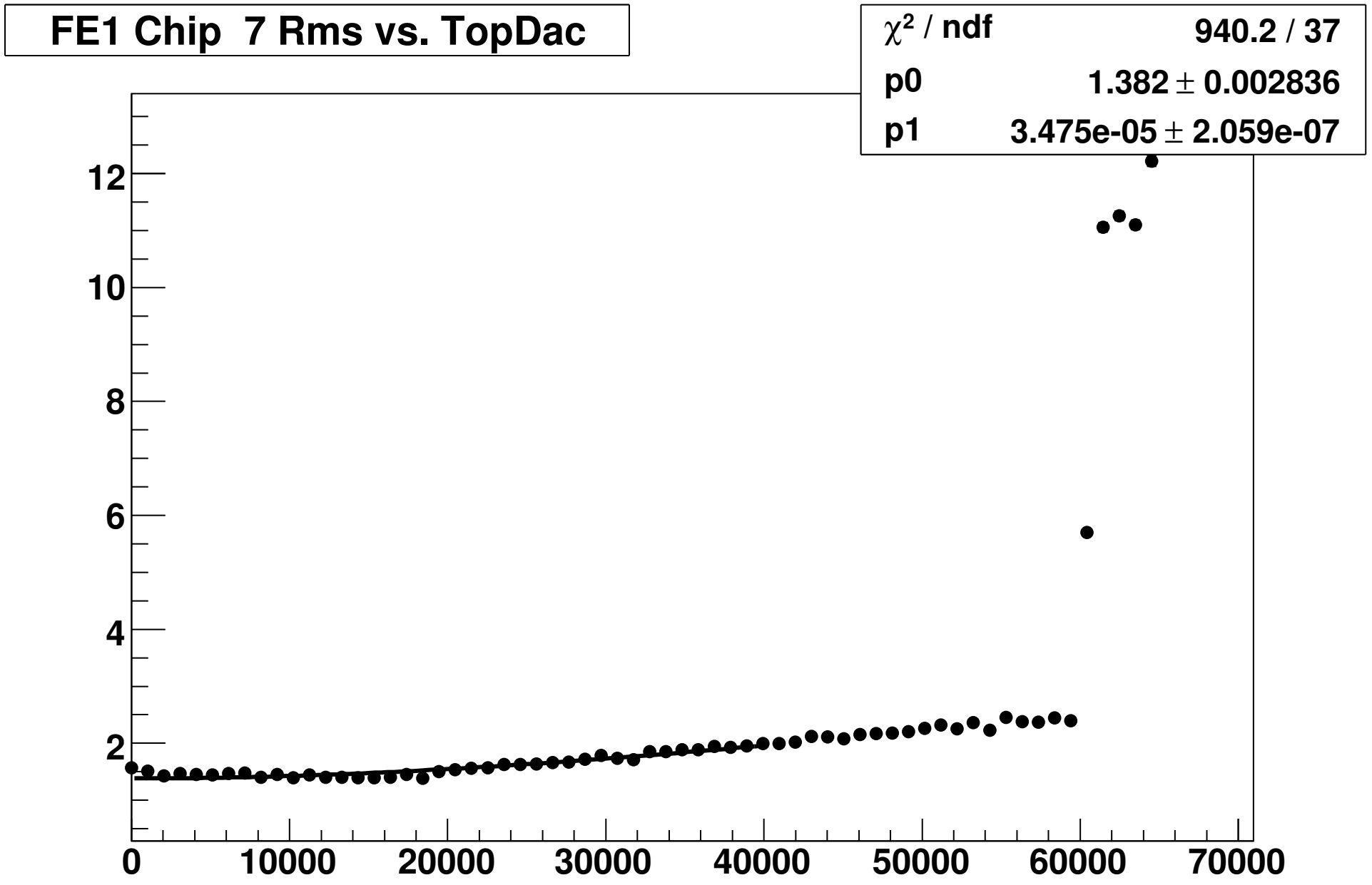
FE1 Chip 7 Rms vs. TopDac
χ² / ndf 940.2 / 37
p0 1.382 ± 0.002836
p1 3.475e-05 ± 2.059e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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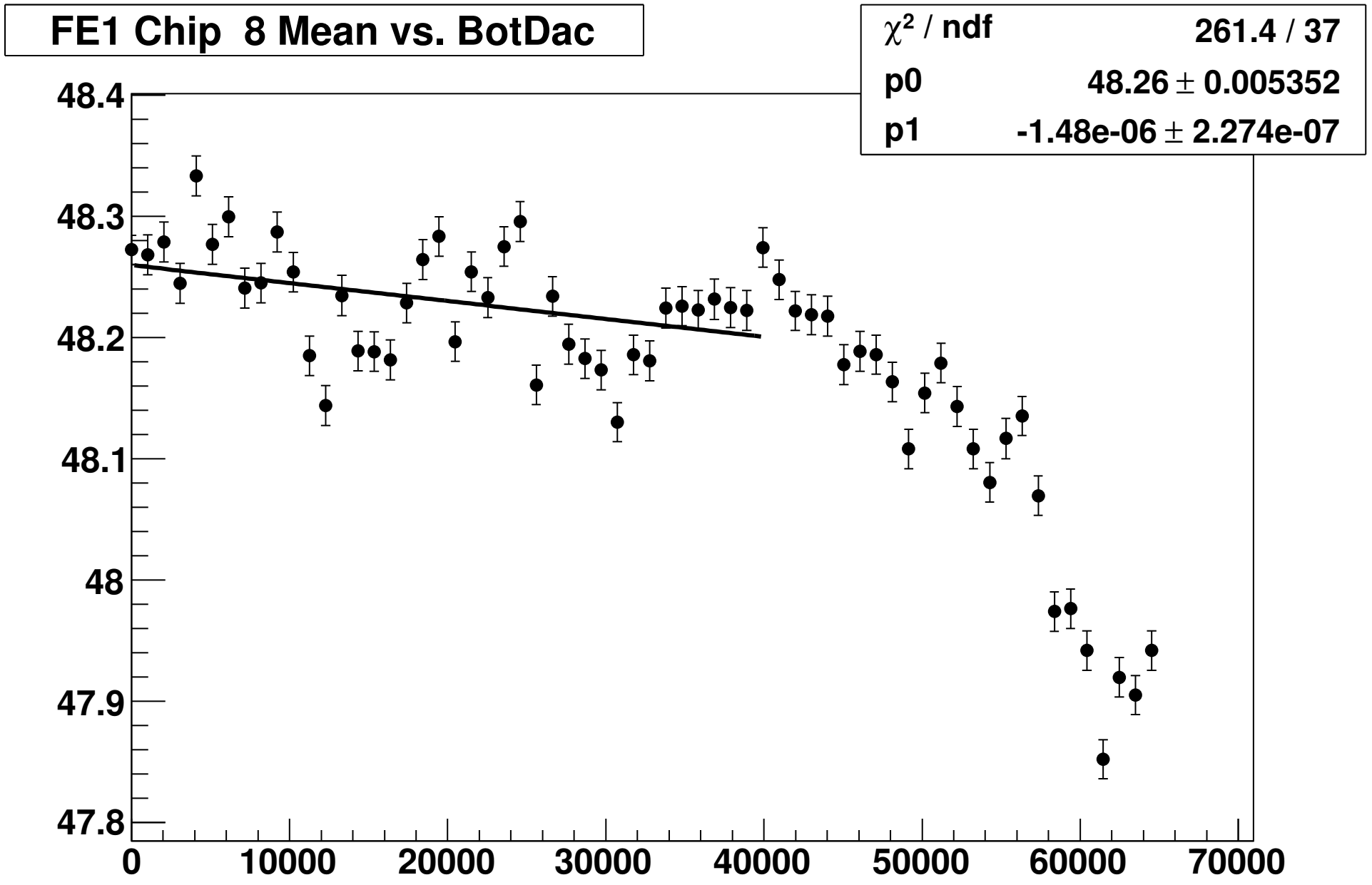
FE1 Chip 8 Mean vs. BotDac
χ² / ndf 261.4 / 37
p0 48.26 ± 0.005352
p1 -1.48e-06 ± 2.274e-07
48.4
48.3
48.2
48.1
48
47.9
47.8
0
10000
20000
30000
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60000
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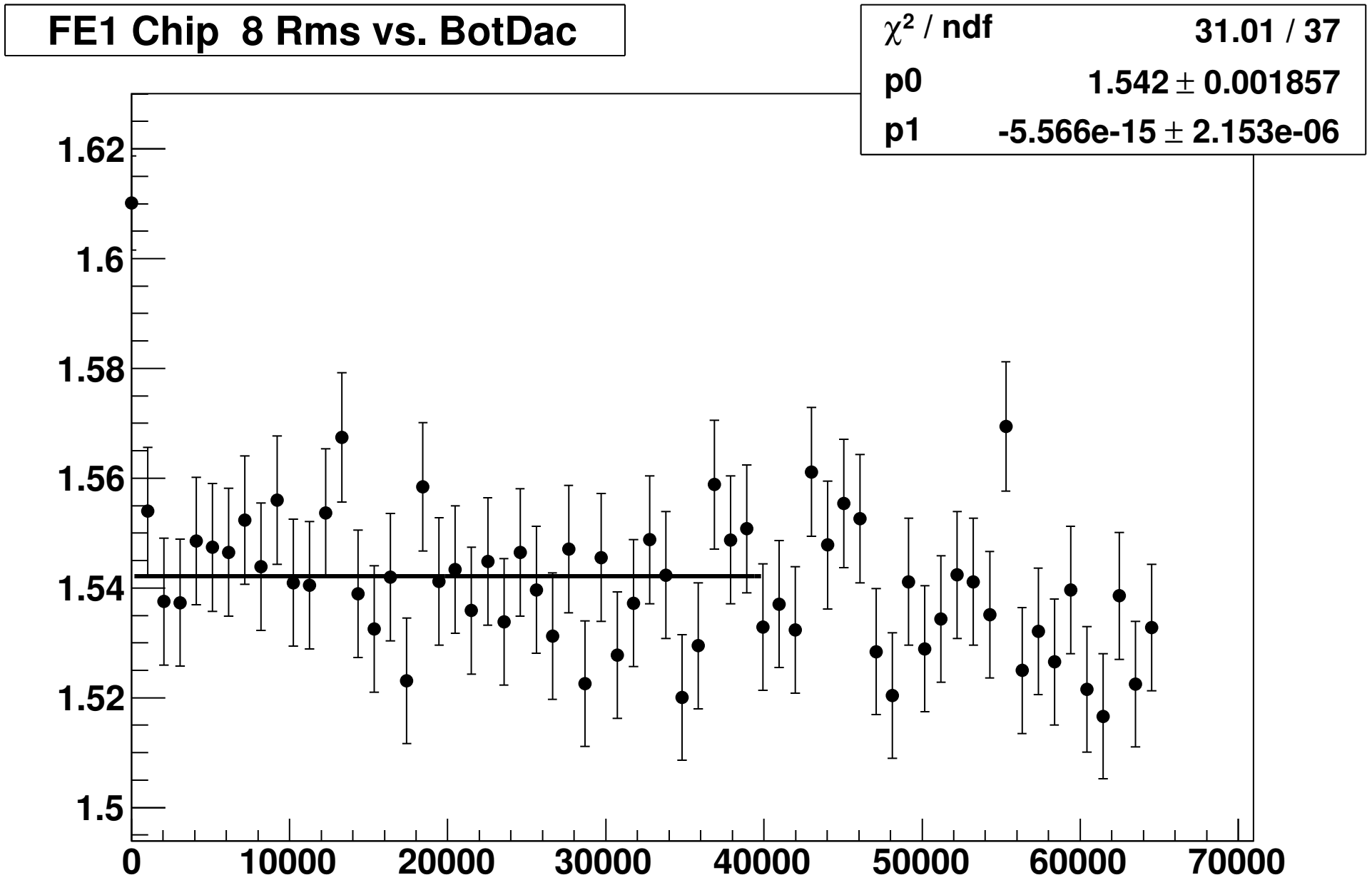
FE1 Chip 8 Rms vs. BotDac
χ² / ndf 31.01 / 37
p0 1.542 ± 0.001857
p1 -5.566e-15 ± 2.153e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
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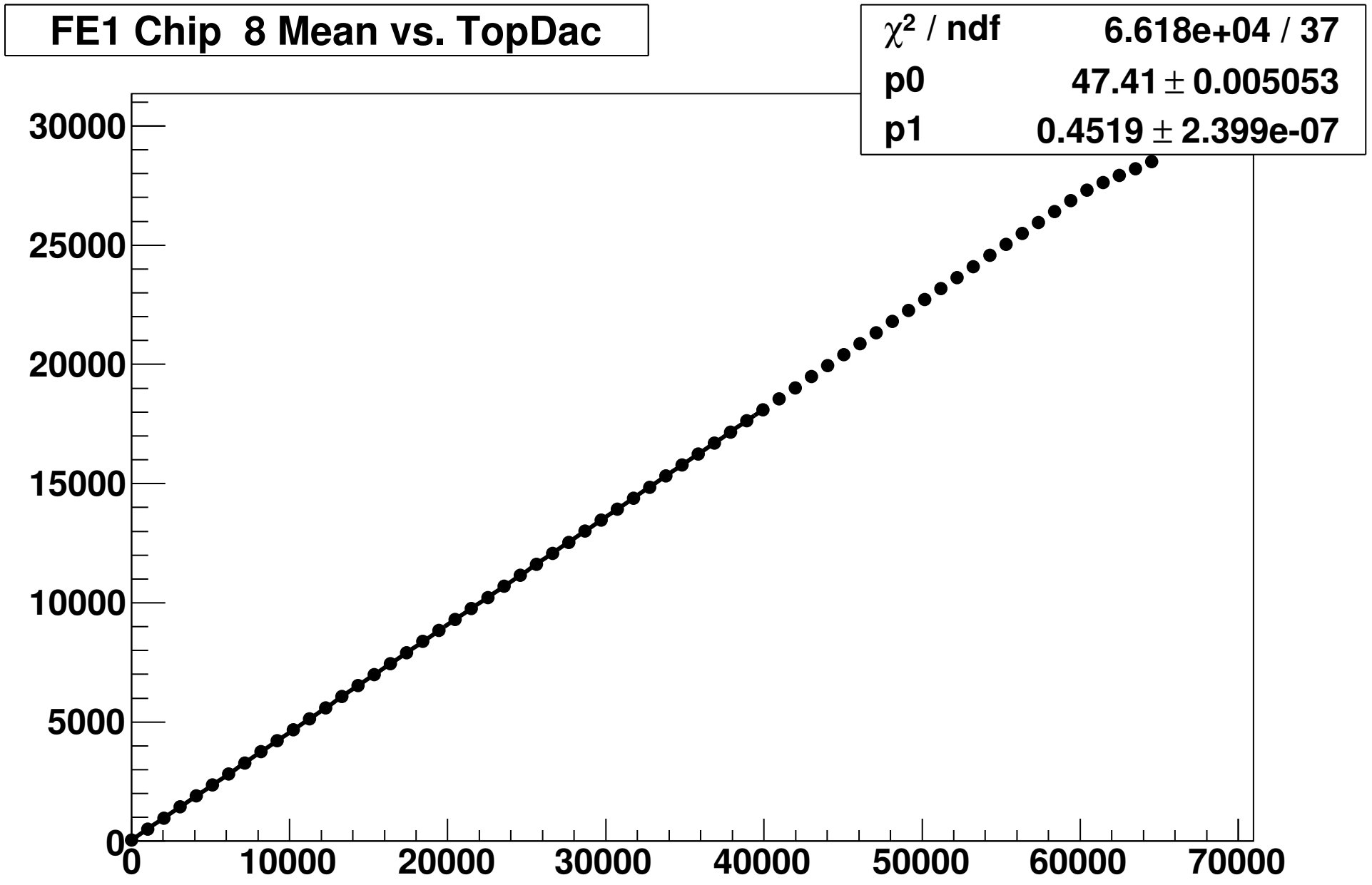
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 6.618e+04 / 37
p0 47.41 ± 0.005053
p1 0.4519 ± 2.399e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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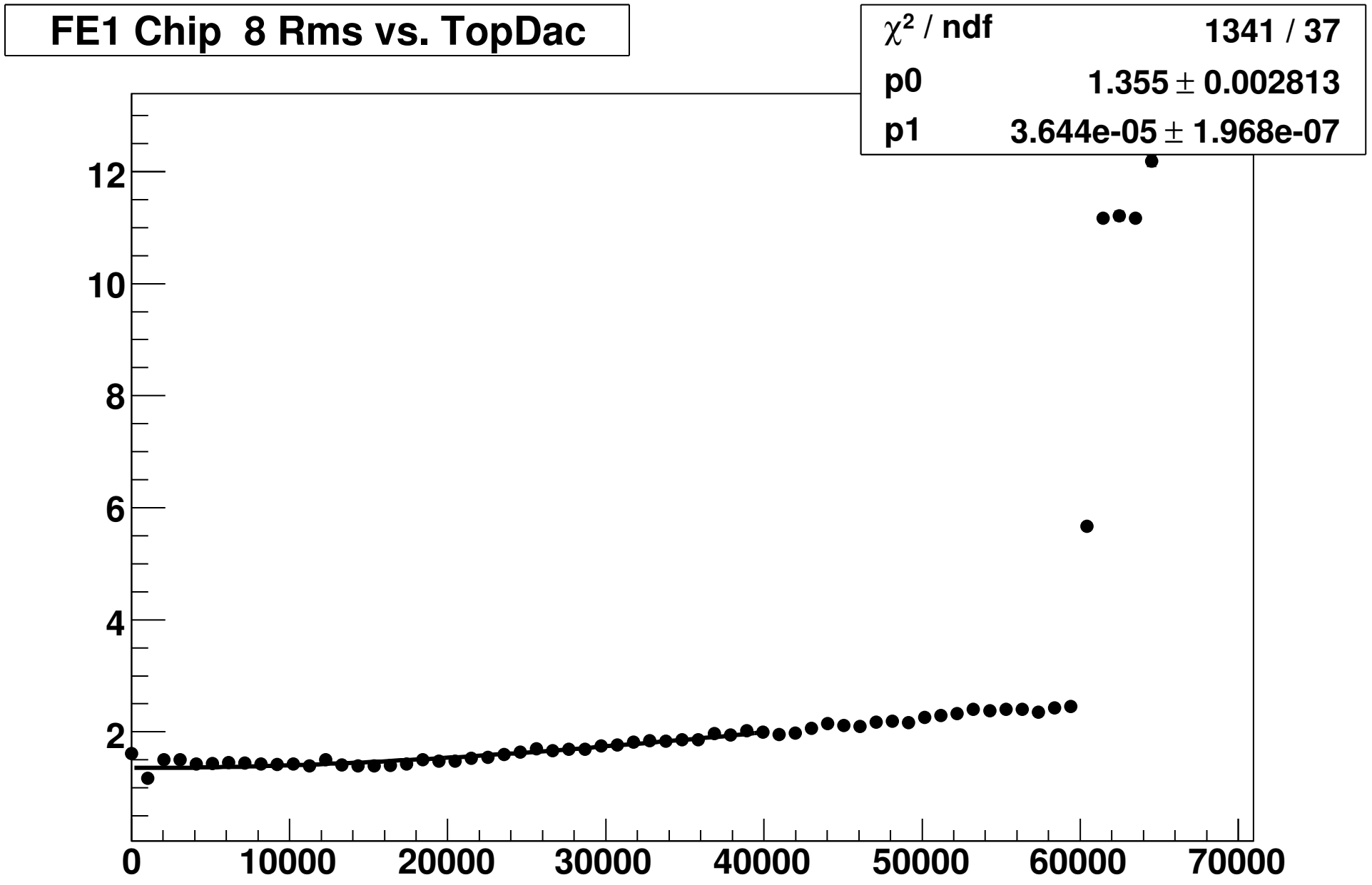
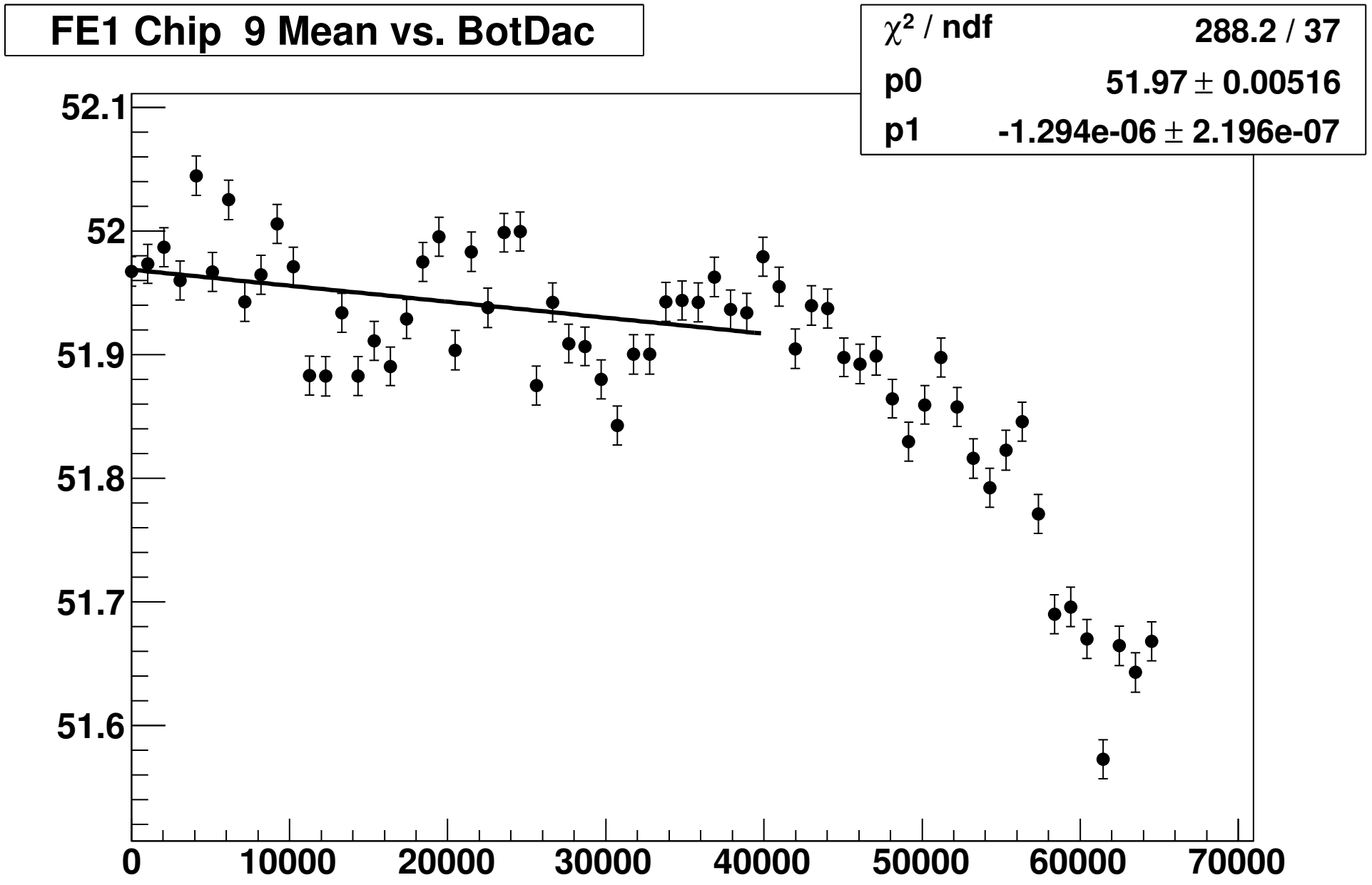
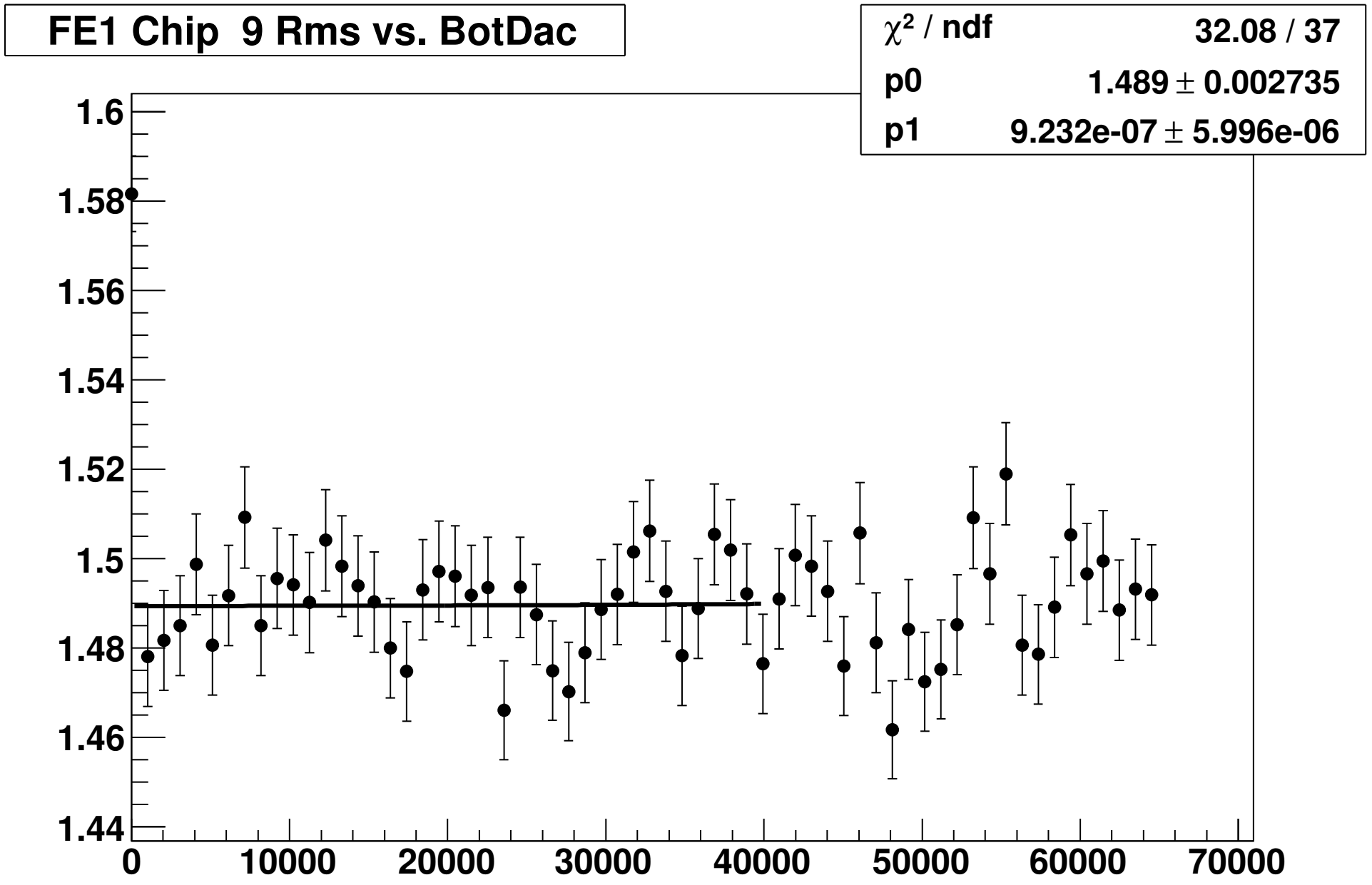

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1341 / 37
p0 1.355 ± 0.002813
p1 3.644e-05 ± 1.968e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 288.2 / 37
p0 51.97 ± 0.00516
p1 -1.294e-06 ± 2.196e-07
52.1
52
51.9
51.8
51.7
51.6
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 32.08 / 37
p0 1.489 ± 0.002735
p1 9.232e-07 ± 5.996e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
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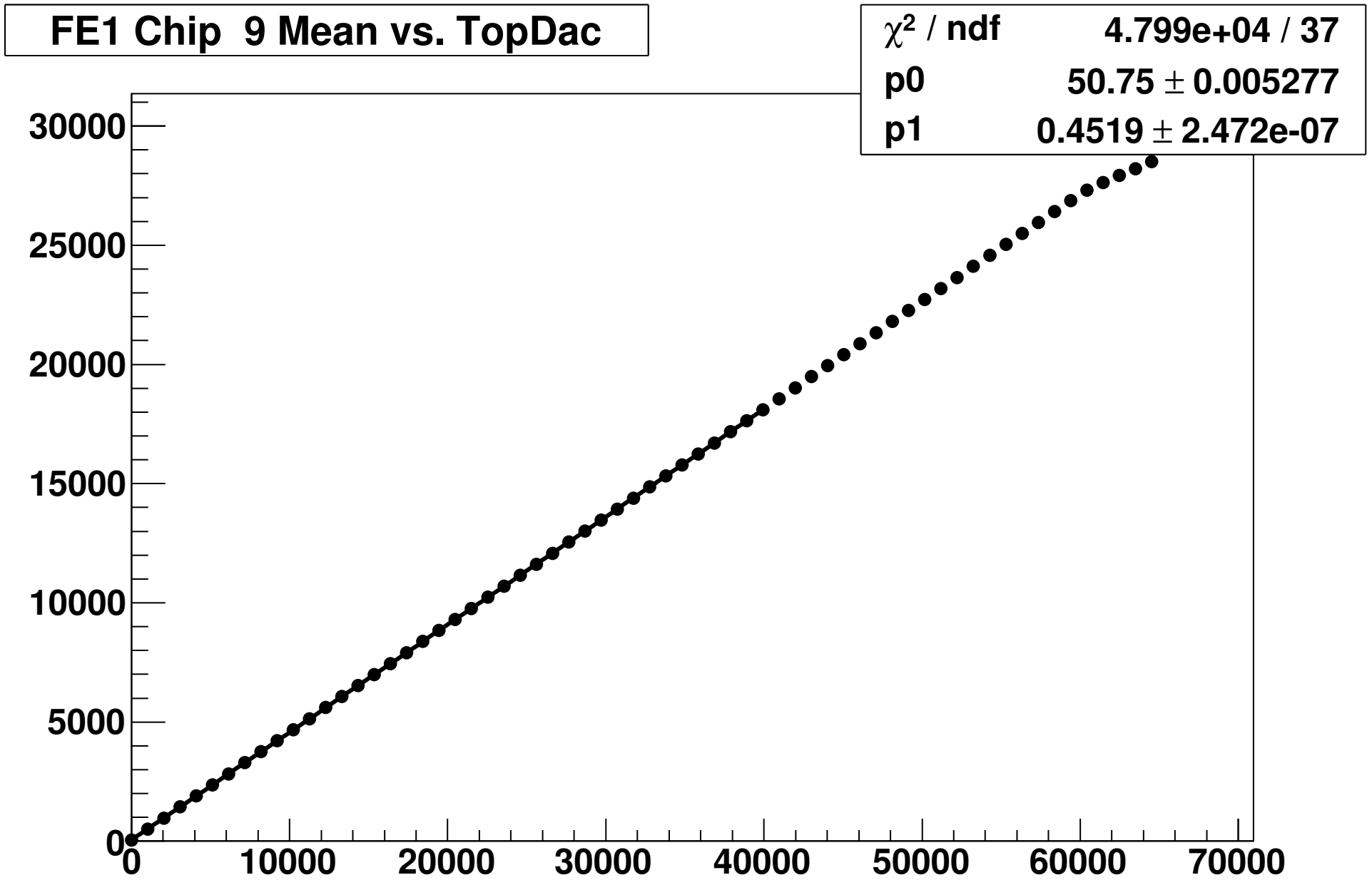
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 4.799e+04 / 37
p0 50.75 ± 0.005277
p1 0.4519 ± 2.472e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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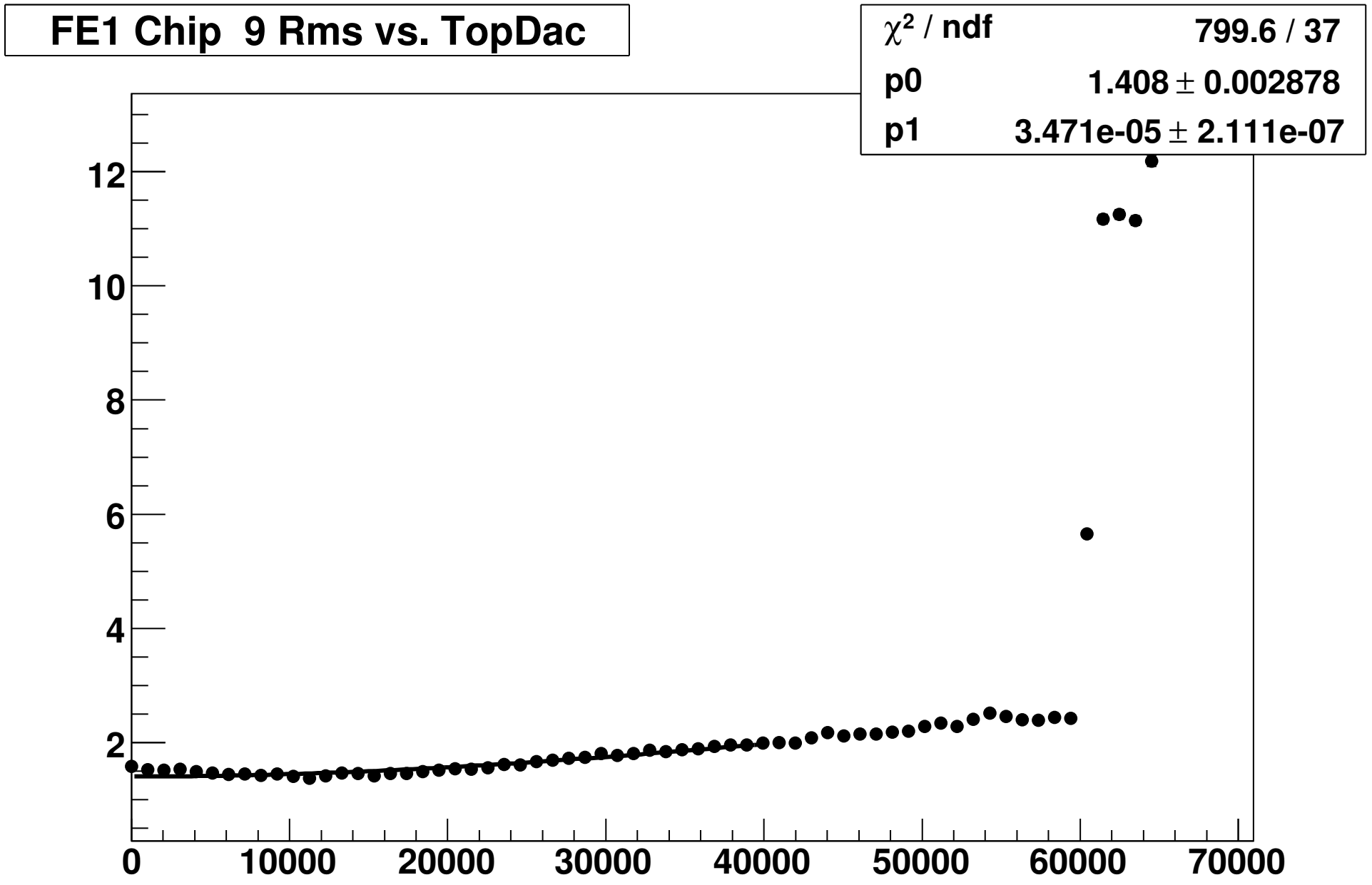
FE1 Chip 9 Rms vs. TopDac
χ² / ndf 799.6 / 37
p0 1.408 ± 0.002878
p1 3.471e-05 ± 2.111e-07
12
10
8
6
4
2
0
10000
20000
30000
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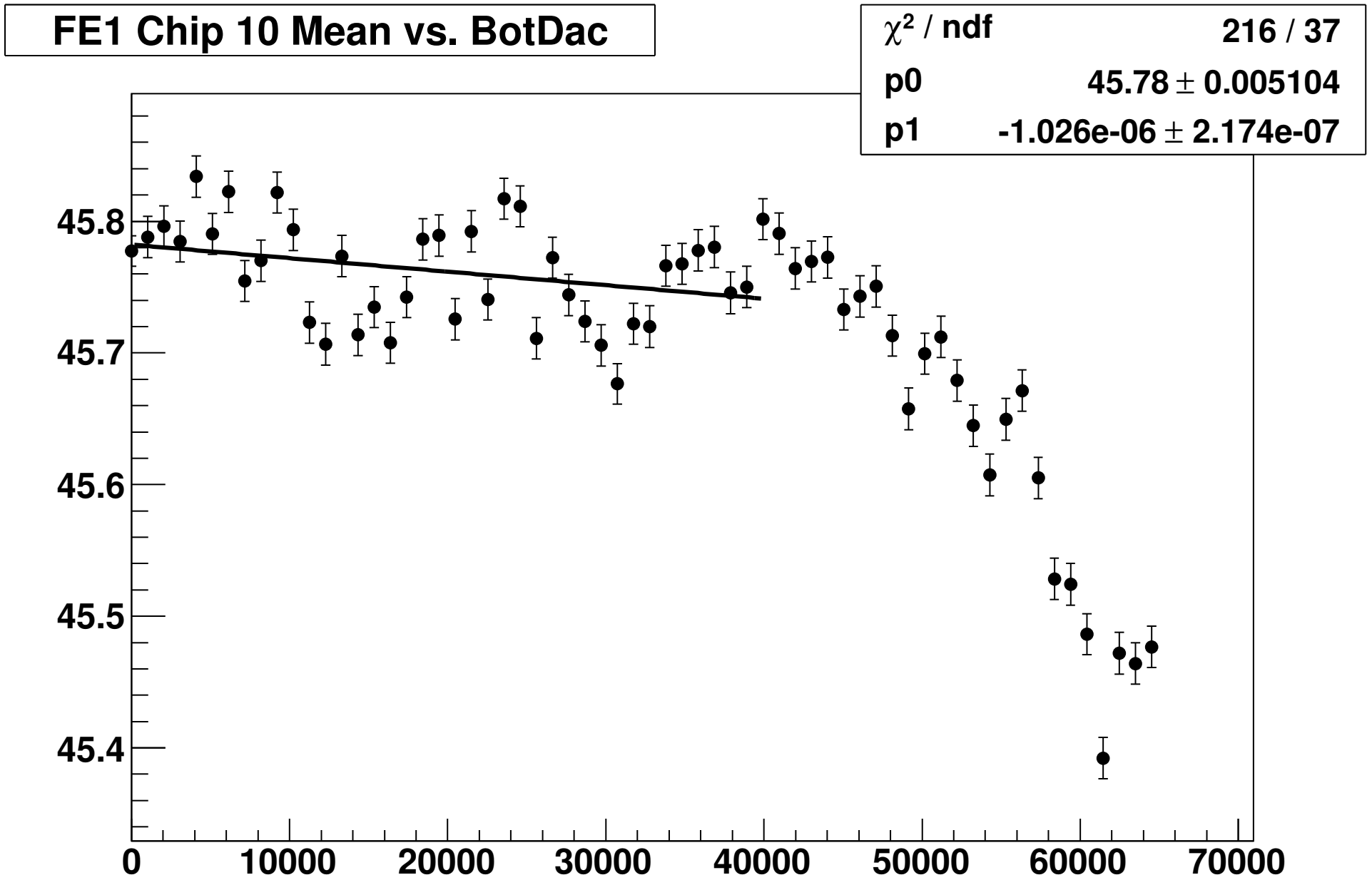
FE1 Chip 10 Mean vs. BotDac
χ² / ndf 216 / 37
p0 45.78 ± 0.005104
p1 -1.026e-06 ± 2.174e-07
45.8
45.7
45.6
45.5
45.4
0
10000
20000
30000
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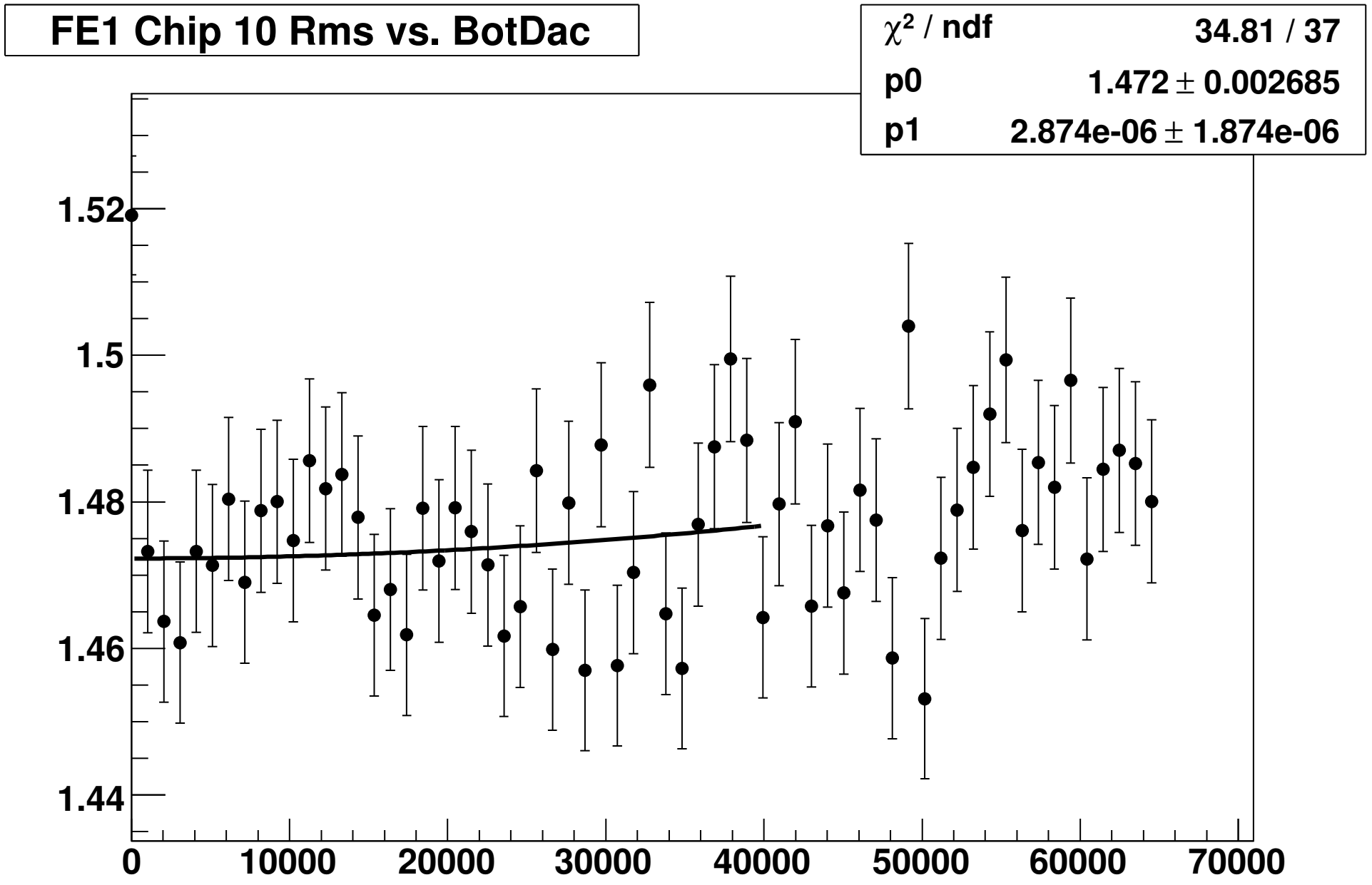
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 34.81 / 37
p0 1.472 ± 0.002685
p1 2.874e-06 ± 1.874e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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50000
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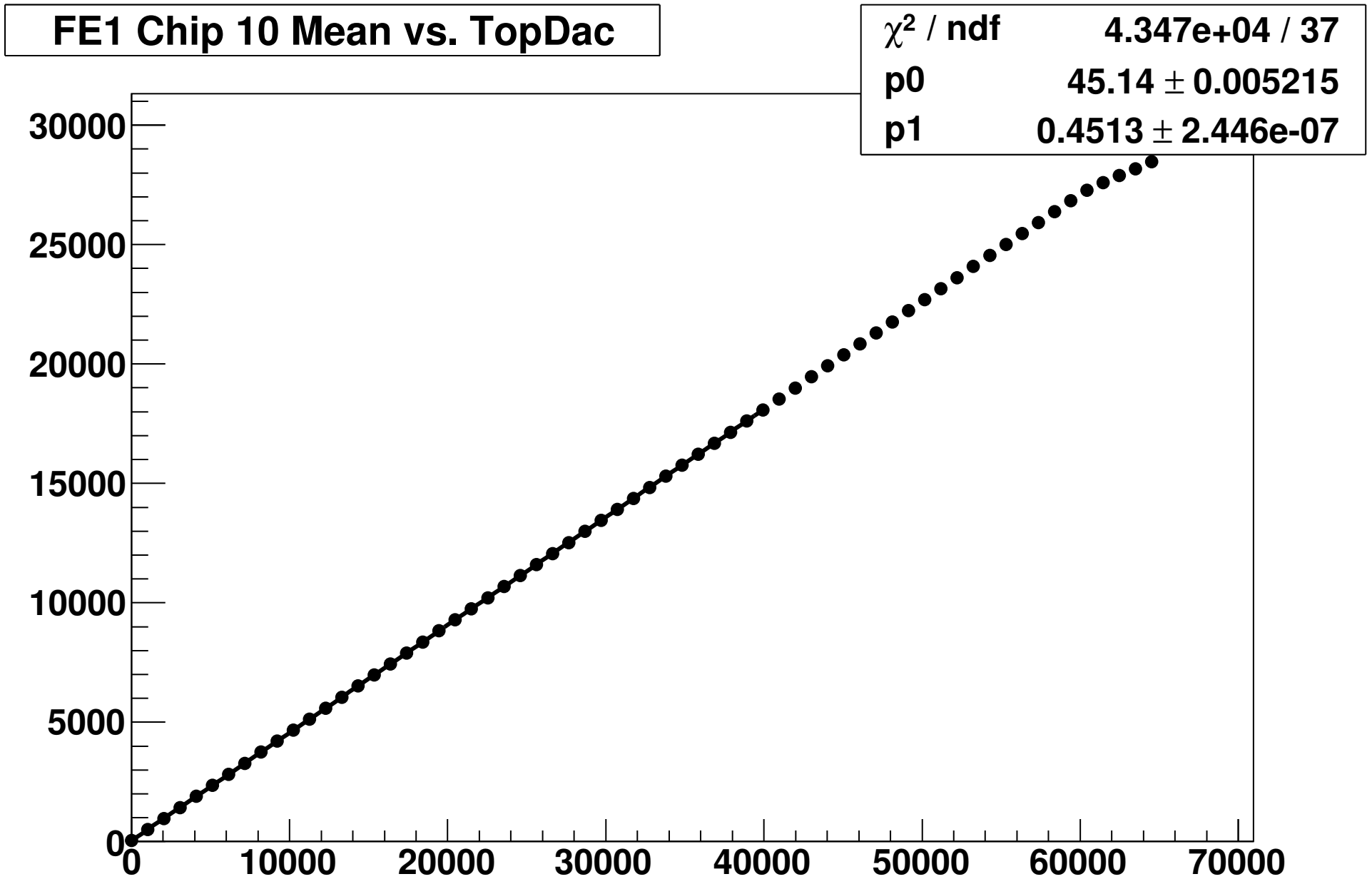
FE1 Chip 10 Mean vs. TopDac
χ² / ndf 4.347e+04 / 37
p0 45.14 ± 0.005215
p1 0.4513 ± 2.446e-07
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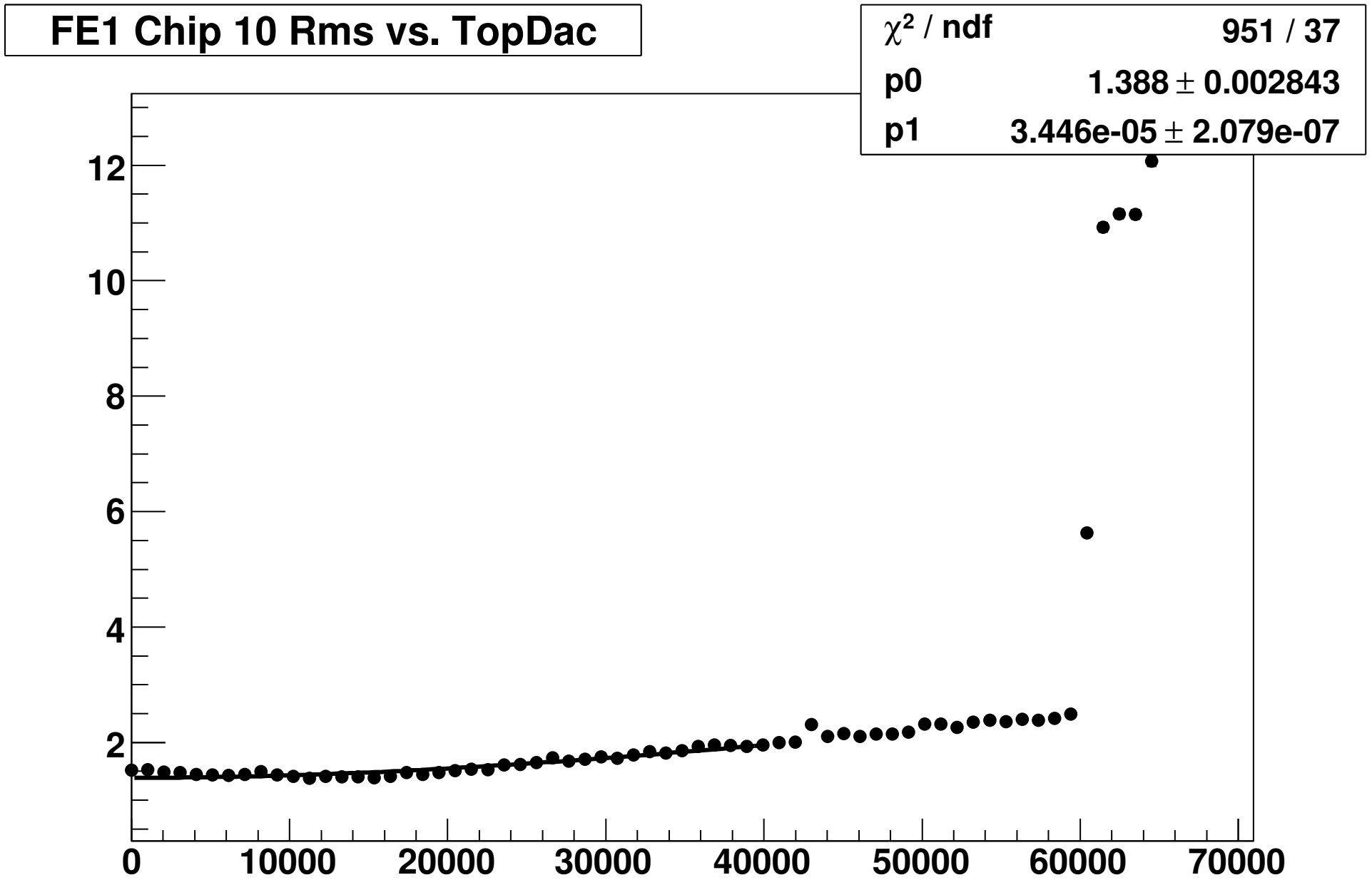
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 951 / 37
p0 1.388 ± 0.002843
p1 3.446e-05 ± 2.079e-07
12
10
8
6
4
2
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20000
30000
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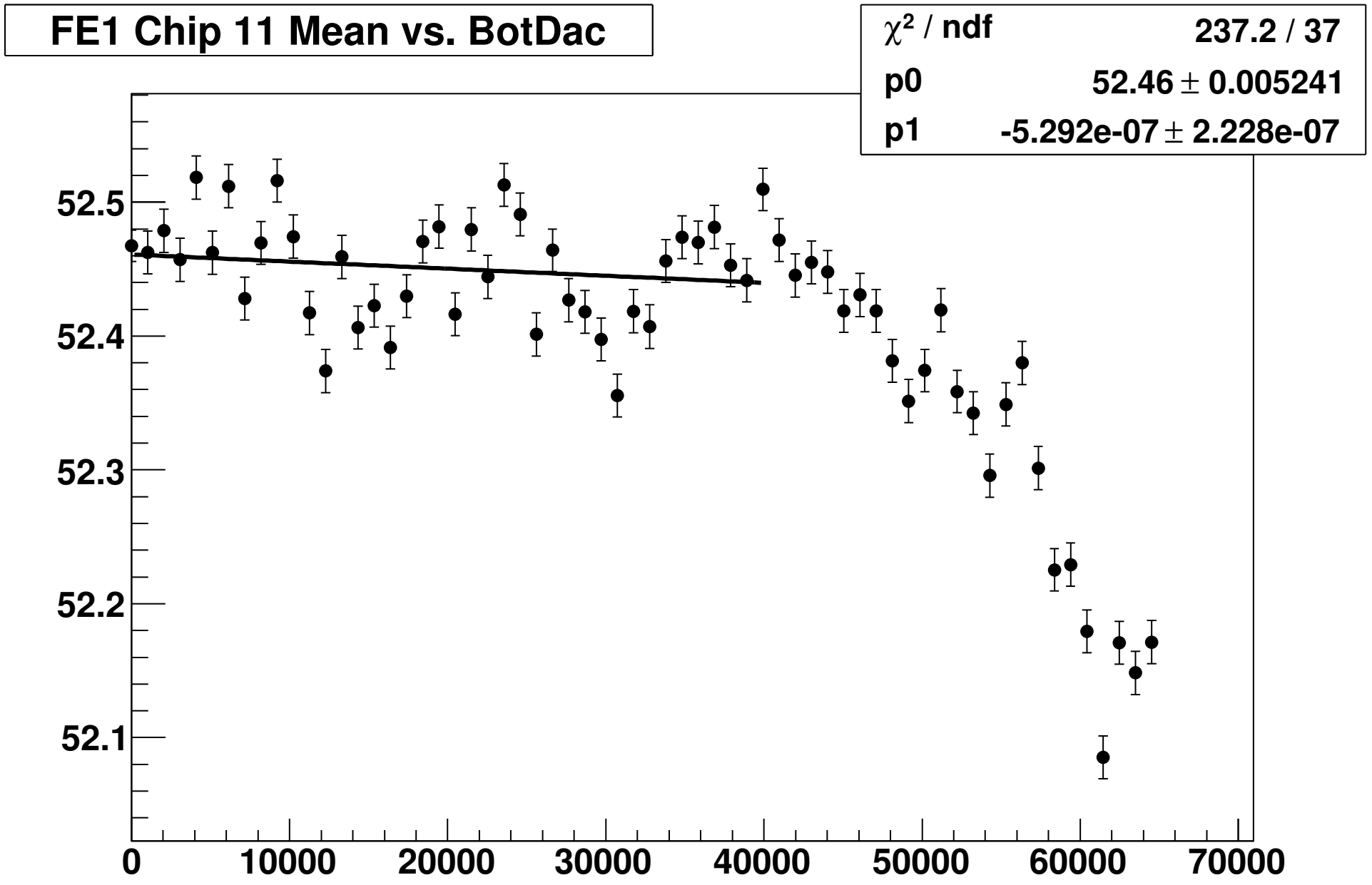
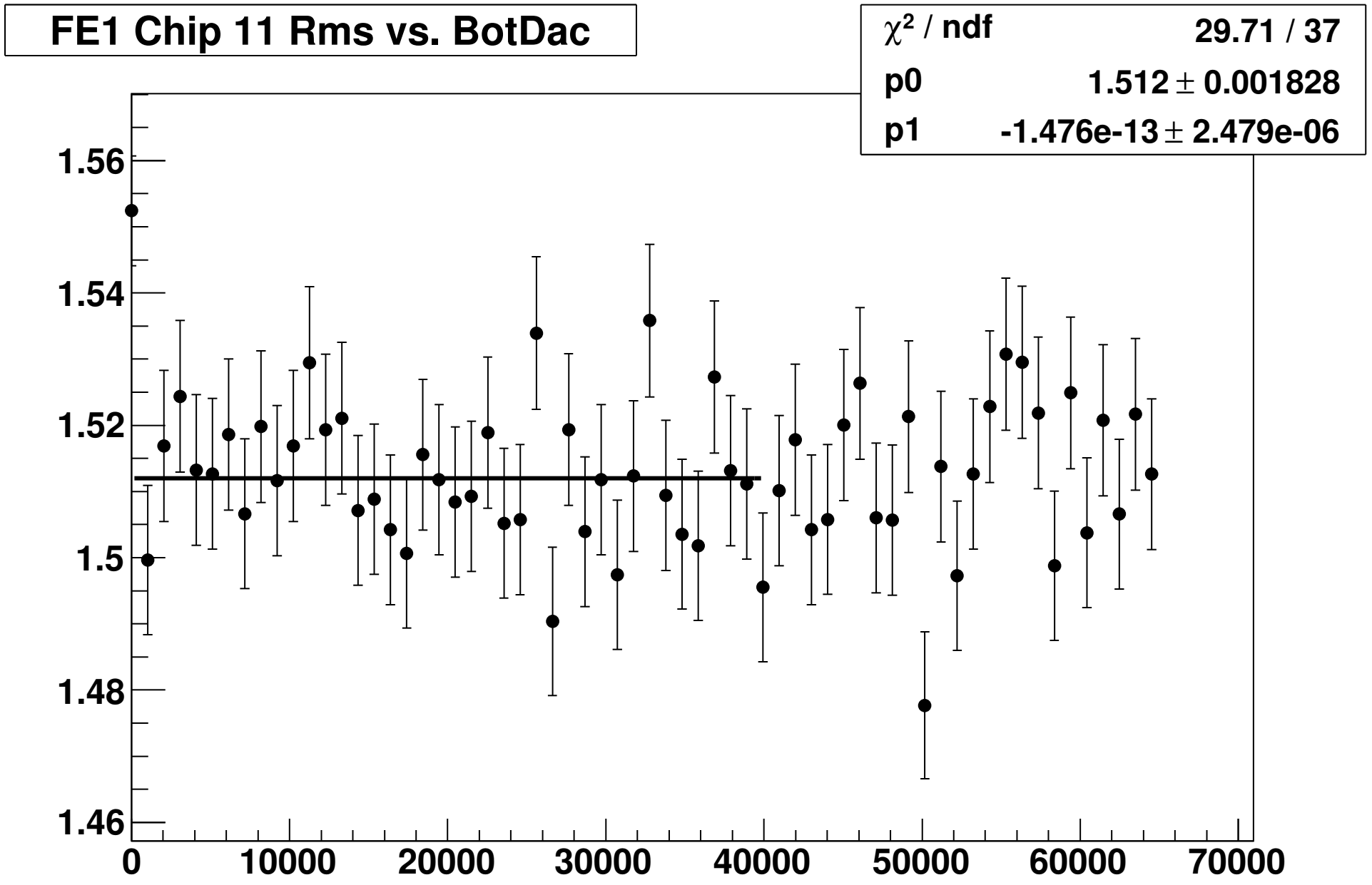

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 237.2 / 37
p0 52.46 ± 0.005241
p1 -5.292e-07 ± 2.228e-07
52.5
52.4
52.3
52.2
52.1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 29.71 / 37
p0 1.512 ± 0.001828
p1 -1.476e-13 ± 2.479e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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40000
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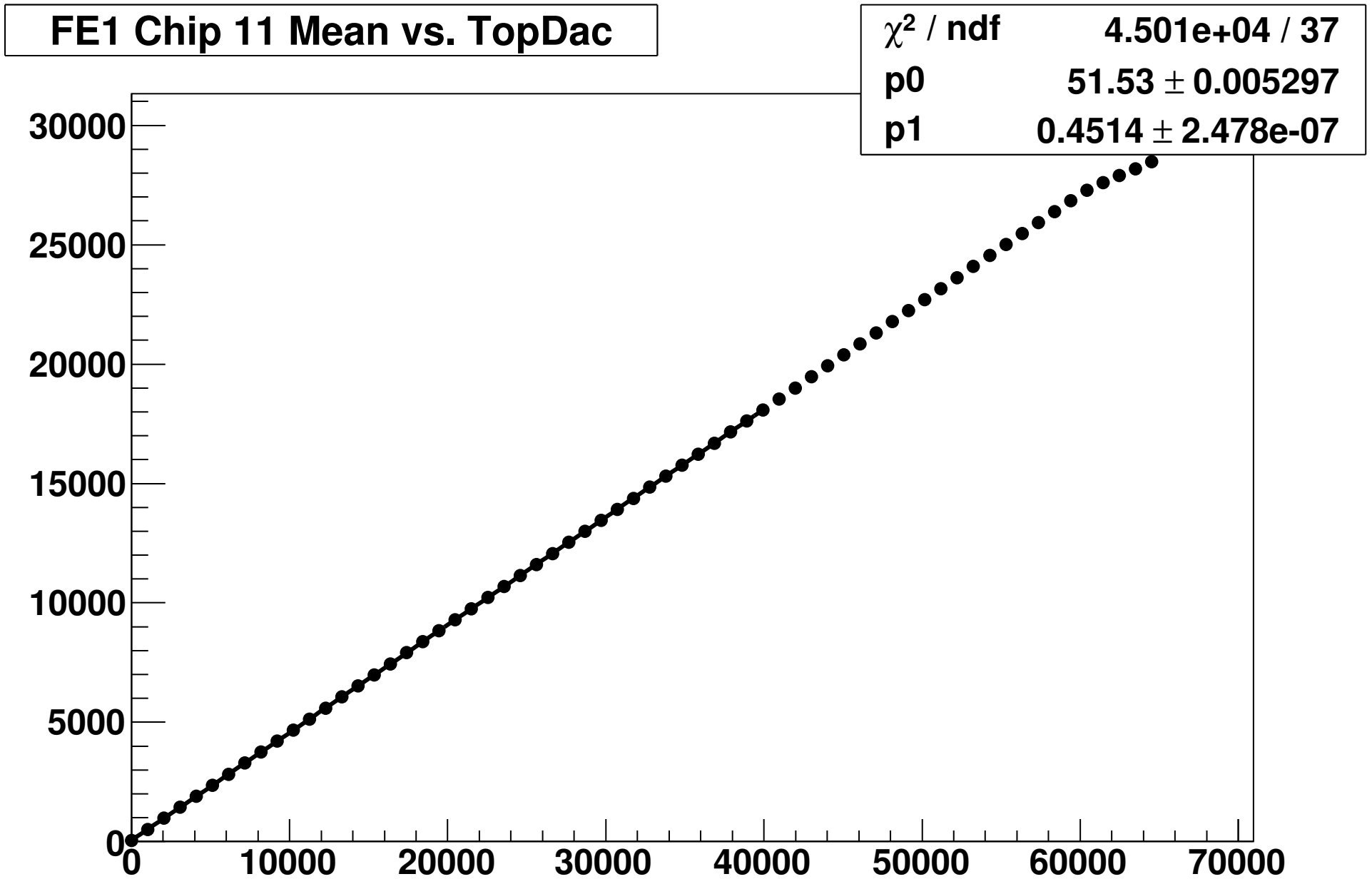
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 4.501e+04 / 37
p0 51.53 ± 0.005297
p1 0.4514 ± 2.478e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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50000
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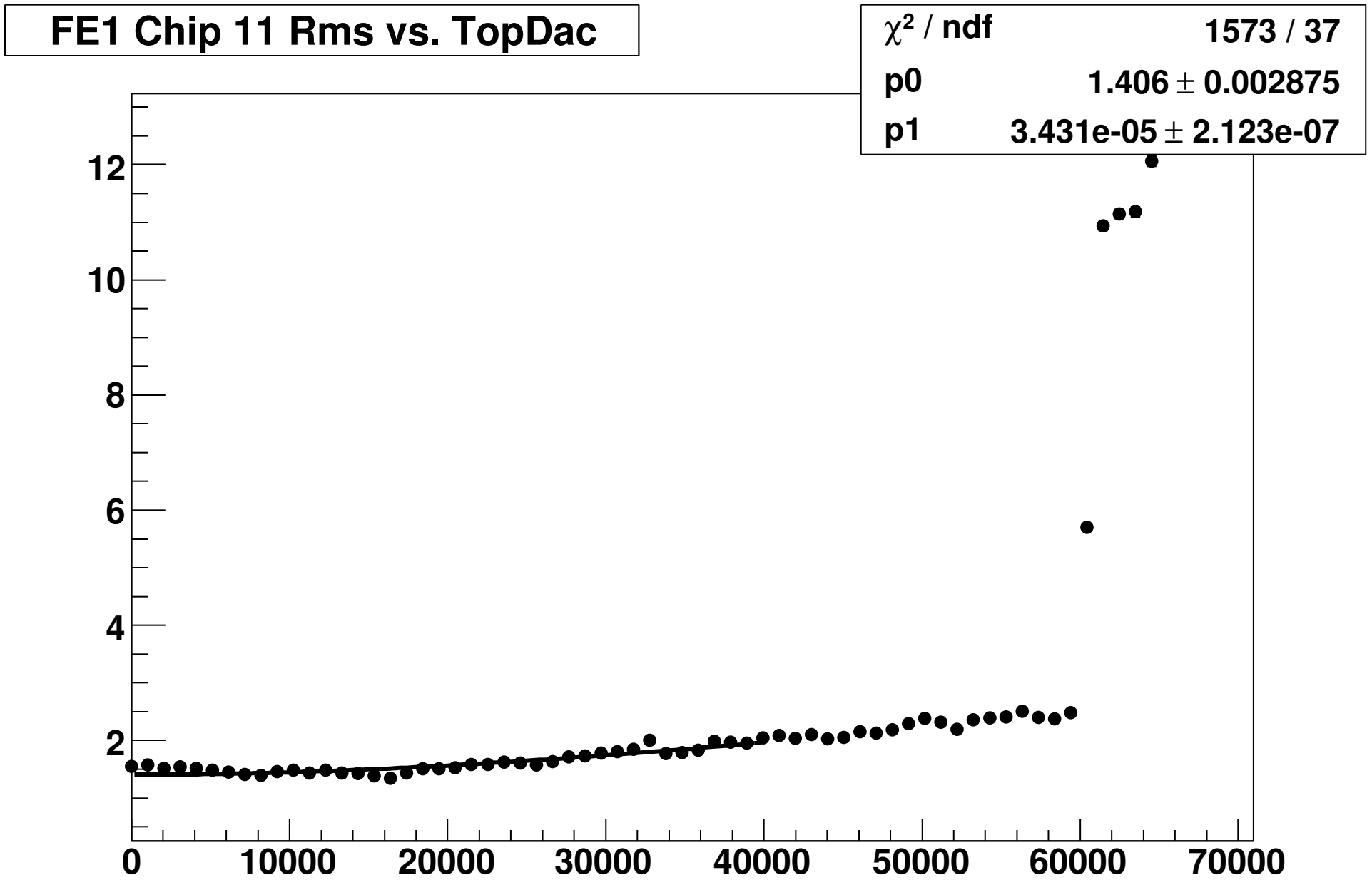
FE1 Chip 11 Rms vs. TopDac
χ² / ndf 1573 / 37
p0 1.406 ± 0.002875
p1 3.431e-05 ± 2.123e-07
12
10
8
6
4
2
0
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20000
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40000
50000
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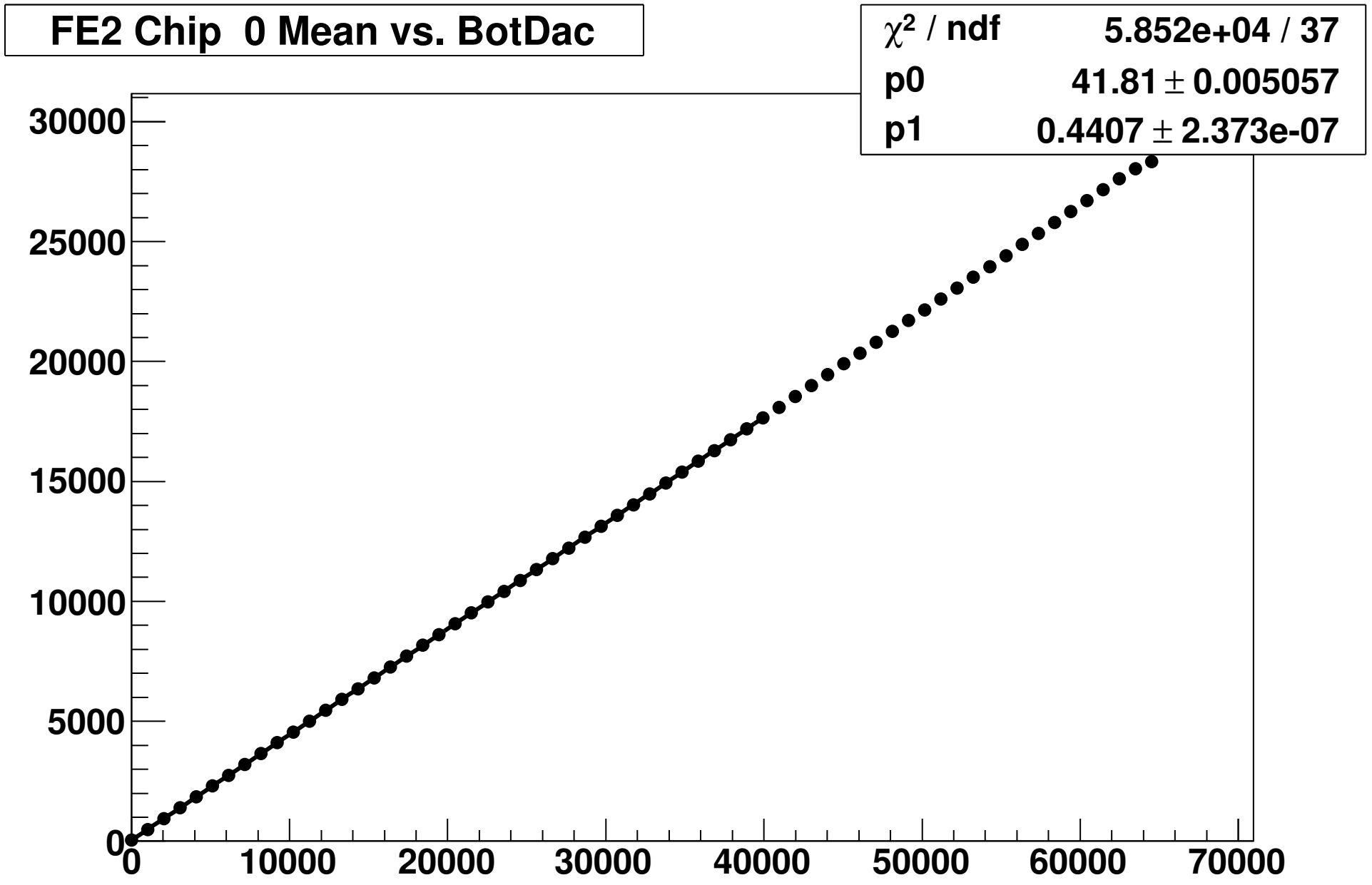
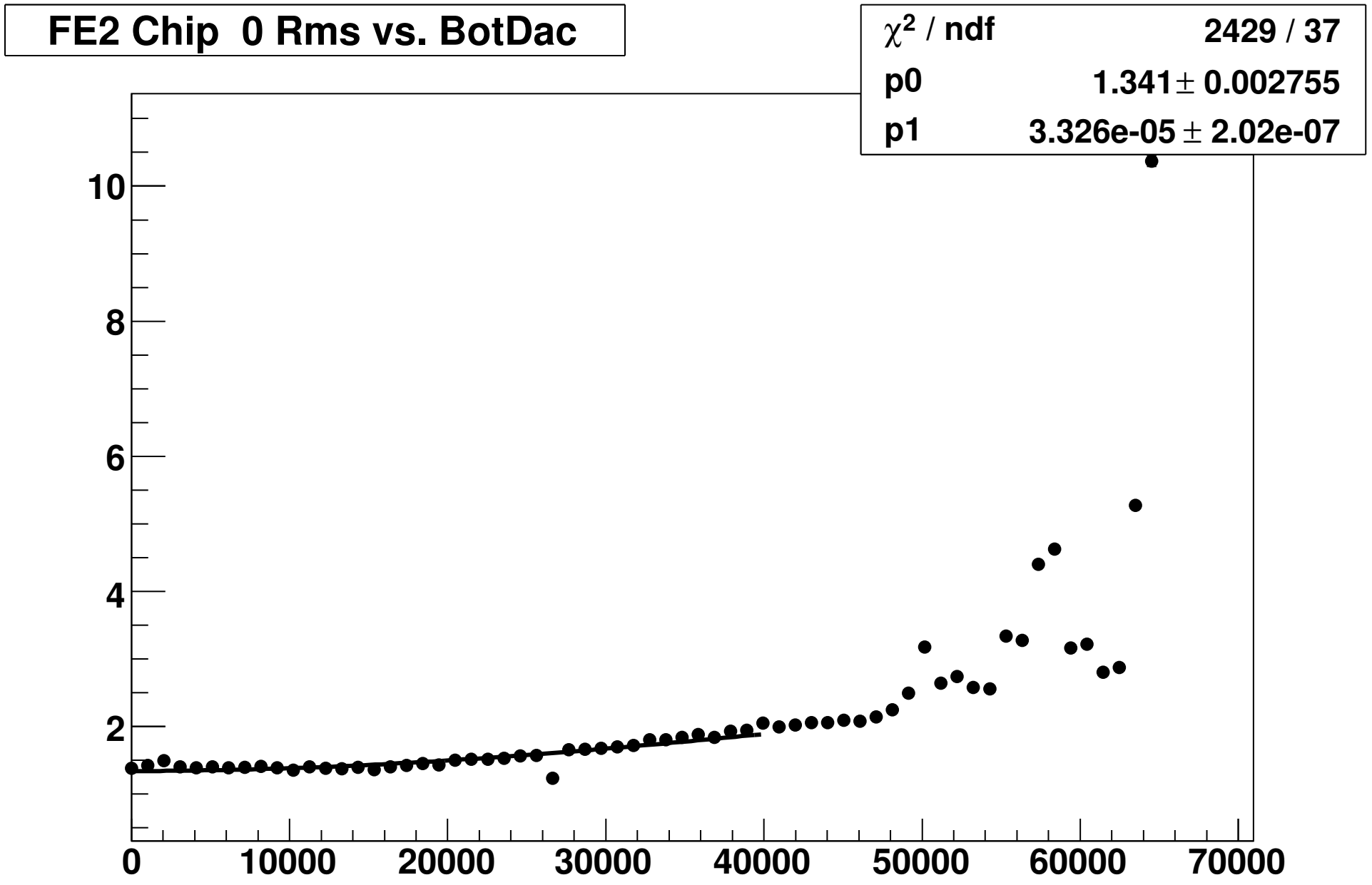

FE2 Chip 0 Mean vs. BotDac
χ² / ndf 5.852e+04 / 37
p0 41.81 ± 0.005057
p1 0.4407 ± 2.373e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 2429 / 37
p0 1.341 ± 0.002755
p1 3.326e-05 ± 2.02e-07
10
8
6
4
2
0
10000
20000
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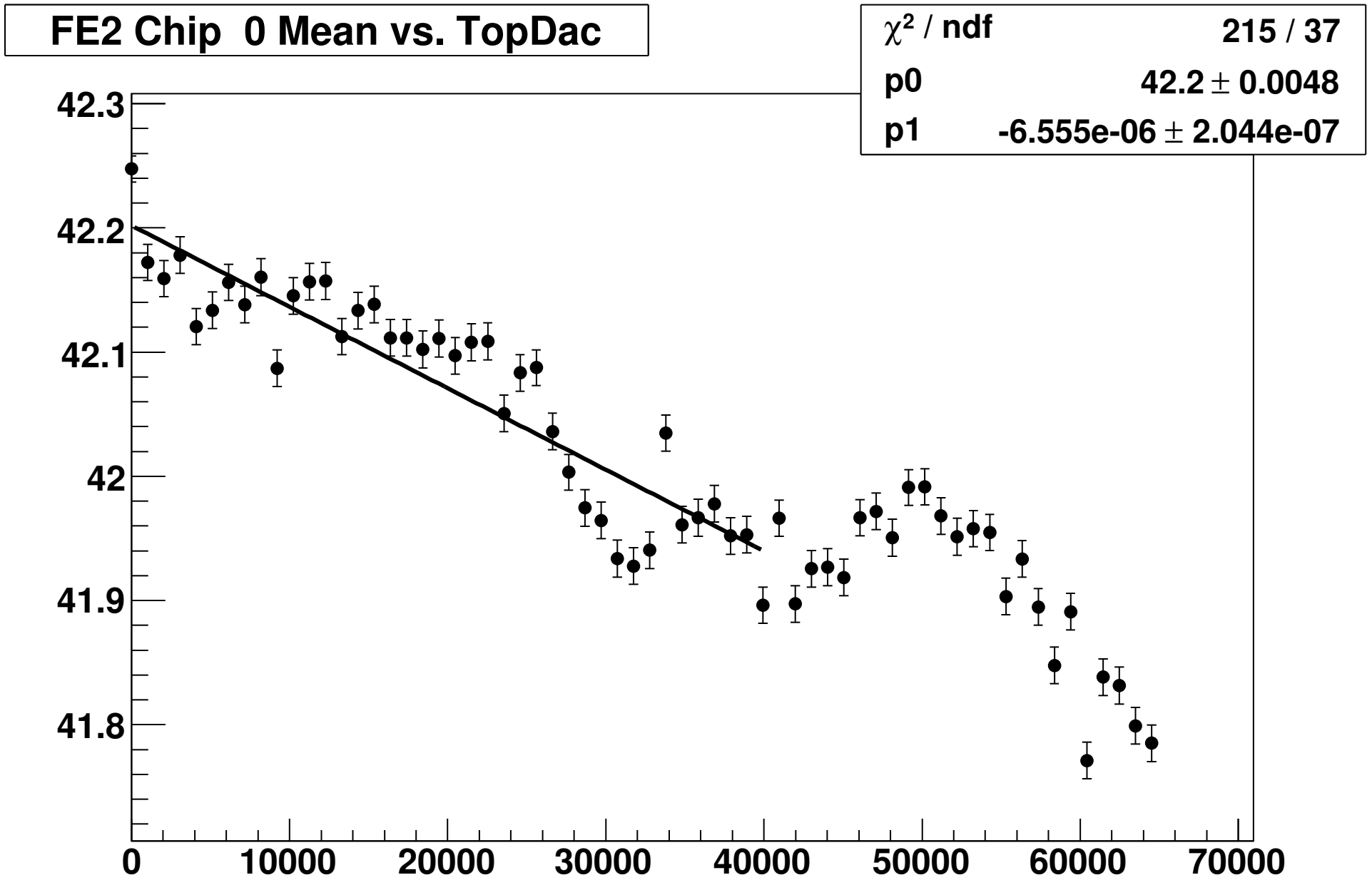
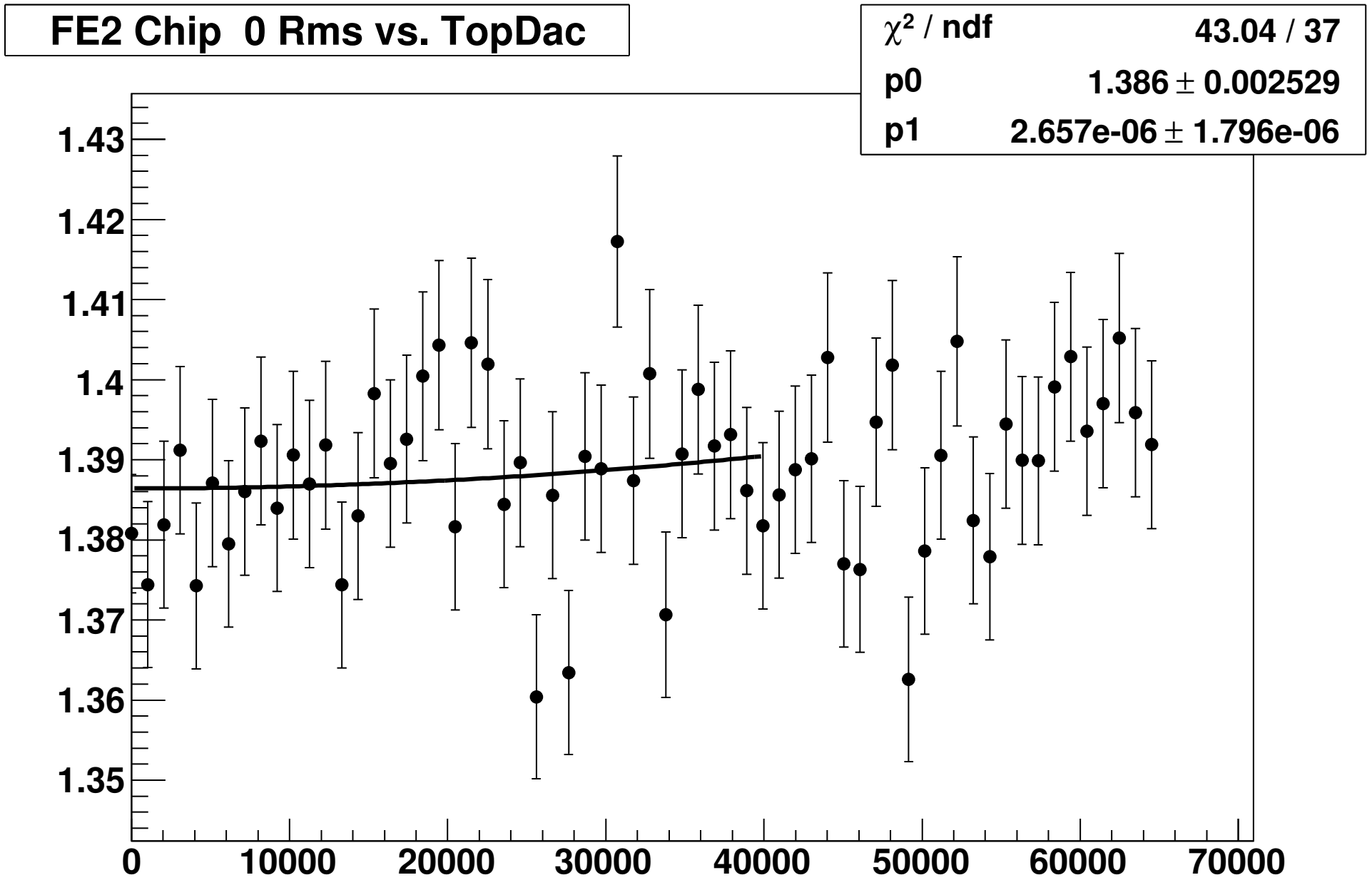
40000
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 215 / 37
p0 42.2 ± 0.0048
p1 -6.555e-06 ± 2.044e-07
42.3
42.2
42.1
42
41.9
41.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 43.04 / 37
p0 1.386 ± 0.002529
p1 2.657e-06 ± 1.796e-06
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
1.35
0
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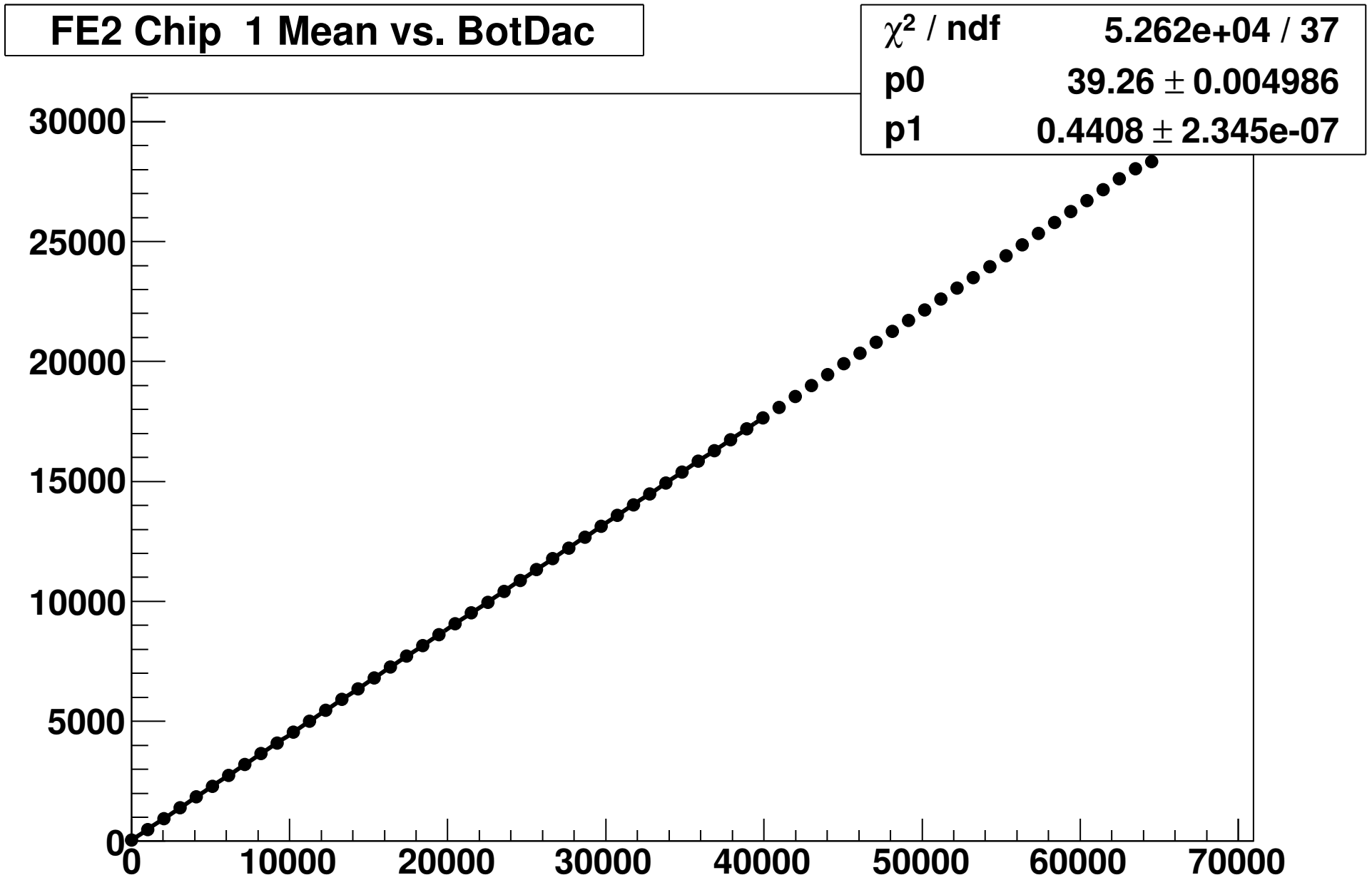
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 5.262e+04 / 37
p0 39.26 ± 0.004986
p1 0.4408 ± 2.345e-07
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15000
10000
5000
0
0
10000
20000
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40000
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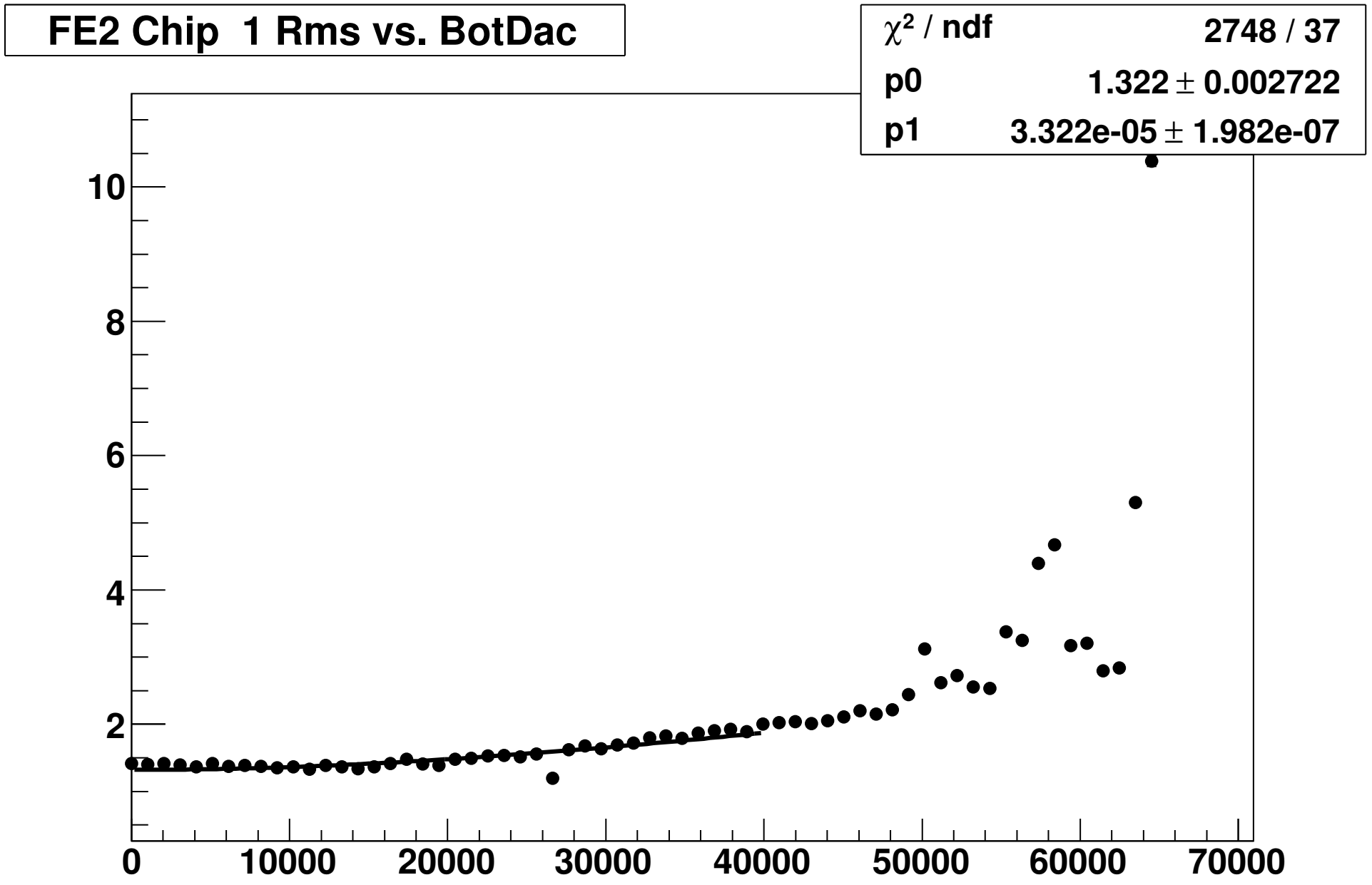
FE2 Chip 1 Rms vs. BotDac
χ² / ndf 2748 / 37
p0 1.322 ± 0.002722
p1 3.322e-05 ± 1.982e-07
10
8
6
4
2
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10000
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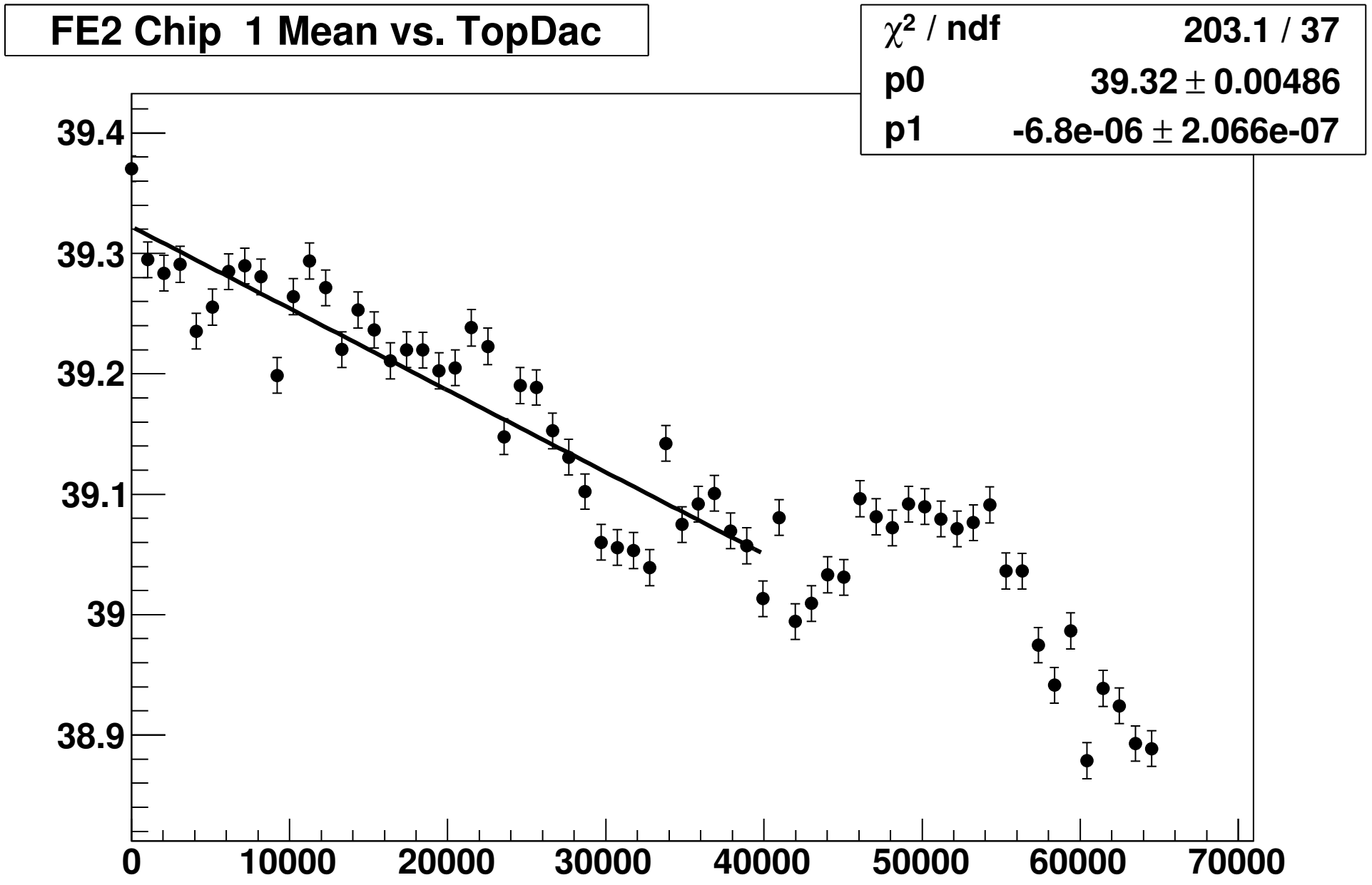
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 203.1 / 37
p0 39.32 ± 0.00486
p1 -6.8e-06 ± 2.066e-07
39.4
39.3
39.2
39.1
39
38.9
0
10000
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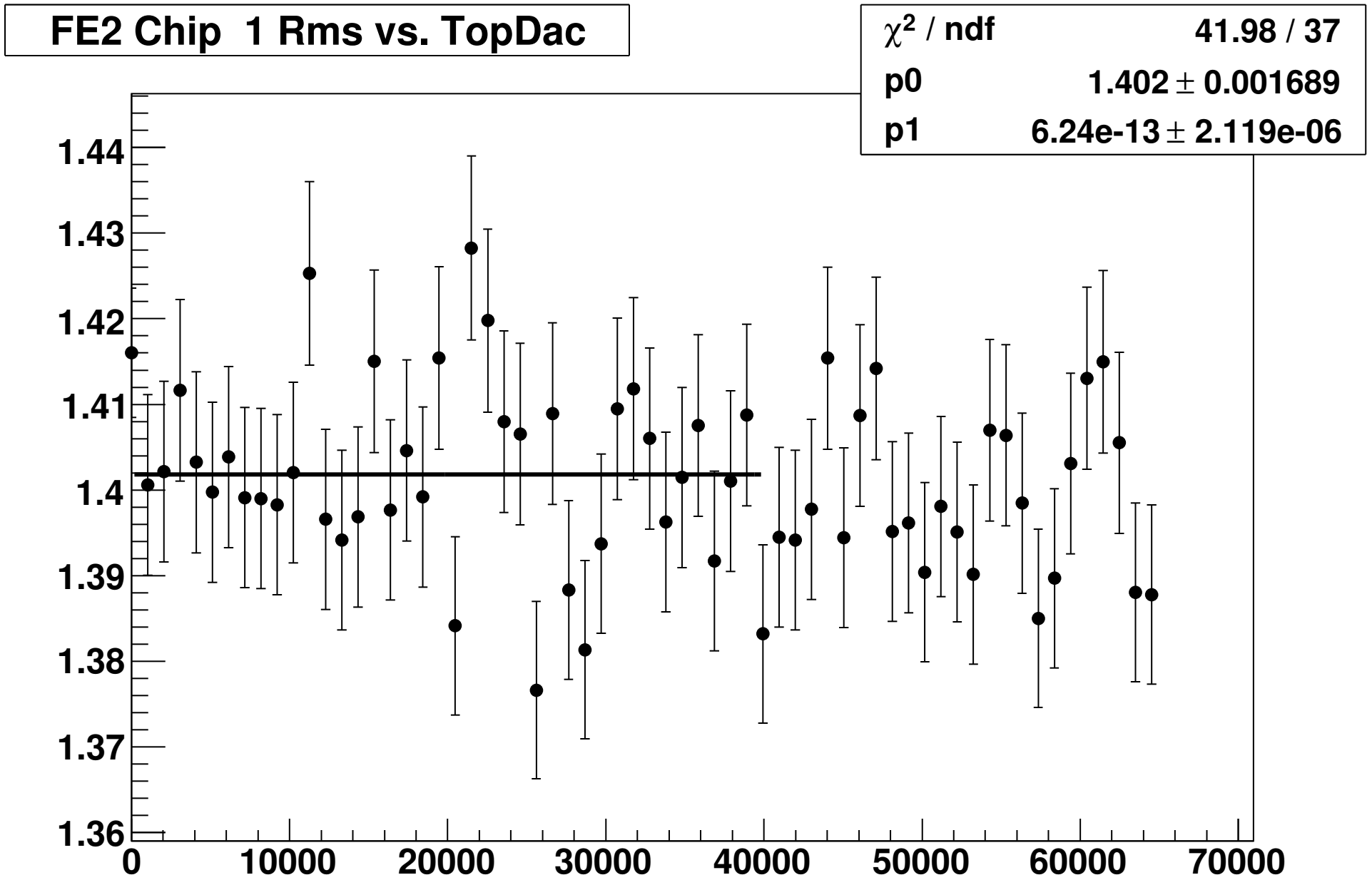
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 41.98 / 37
p0 1.402 ± 0.001689
p1 6.24e-13 ± 2.119e-06
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
0
10000
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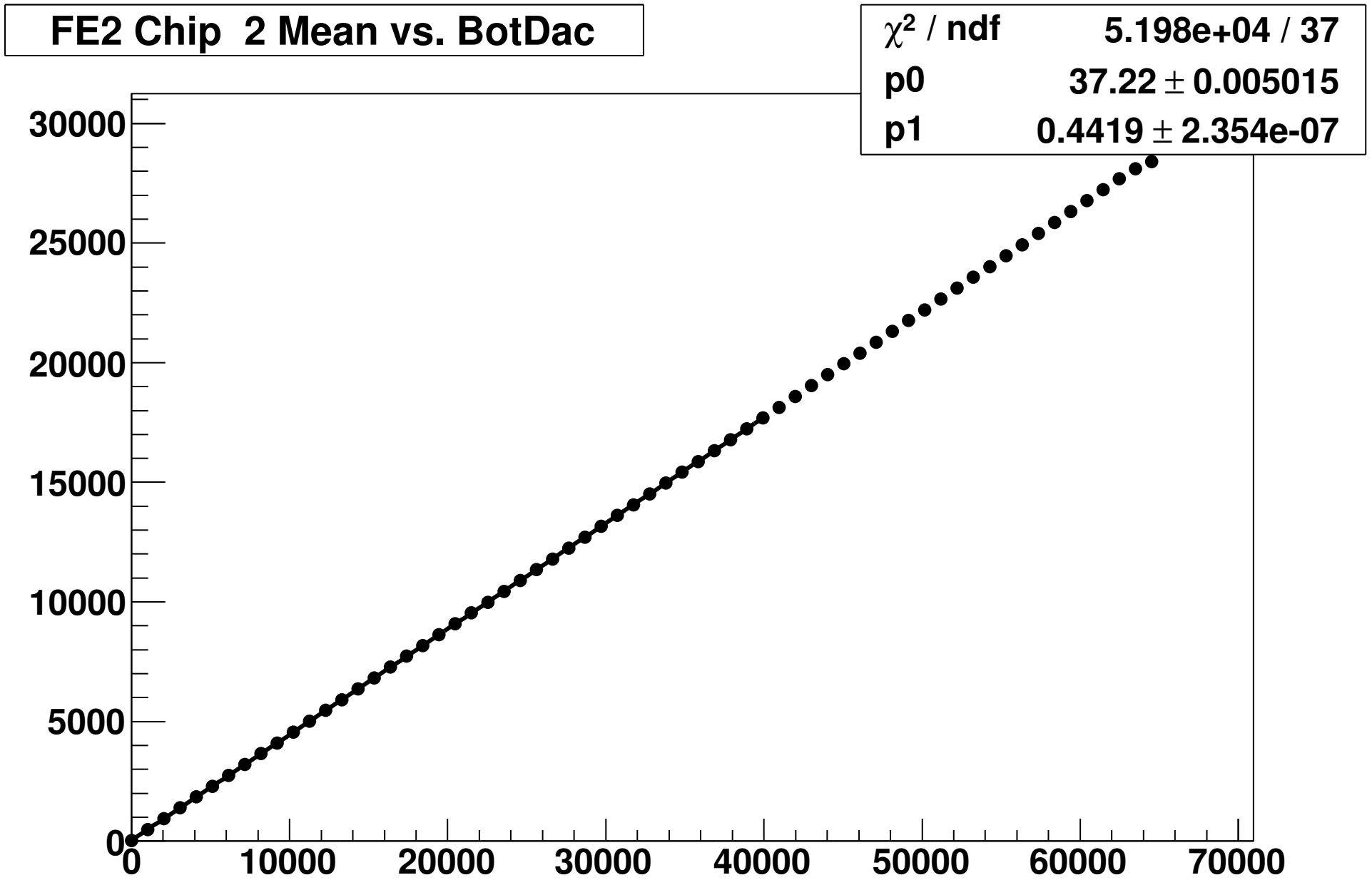
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 5.198e+04 / 37
p0 37.22 ± 0.005015
p1 0.4419 ± 2.354e-07
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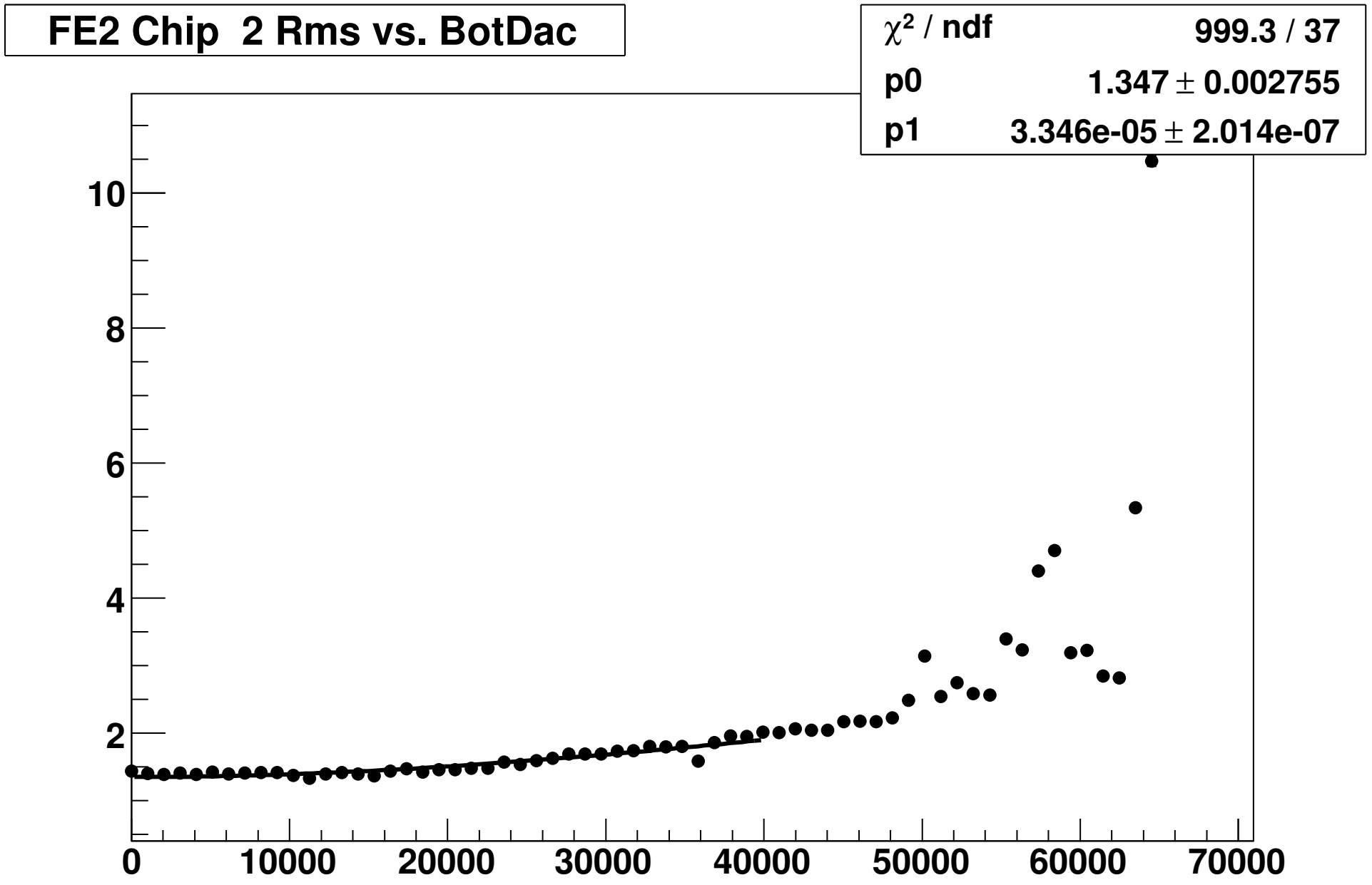
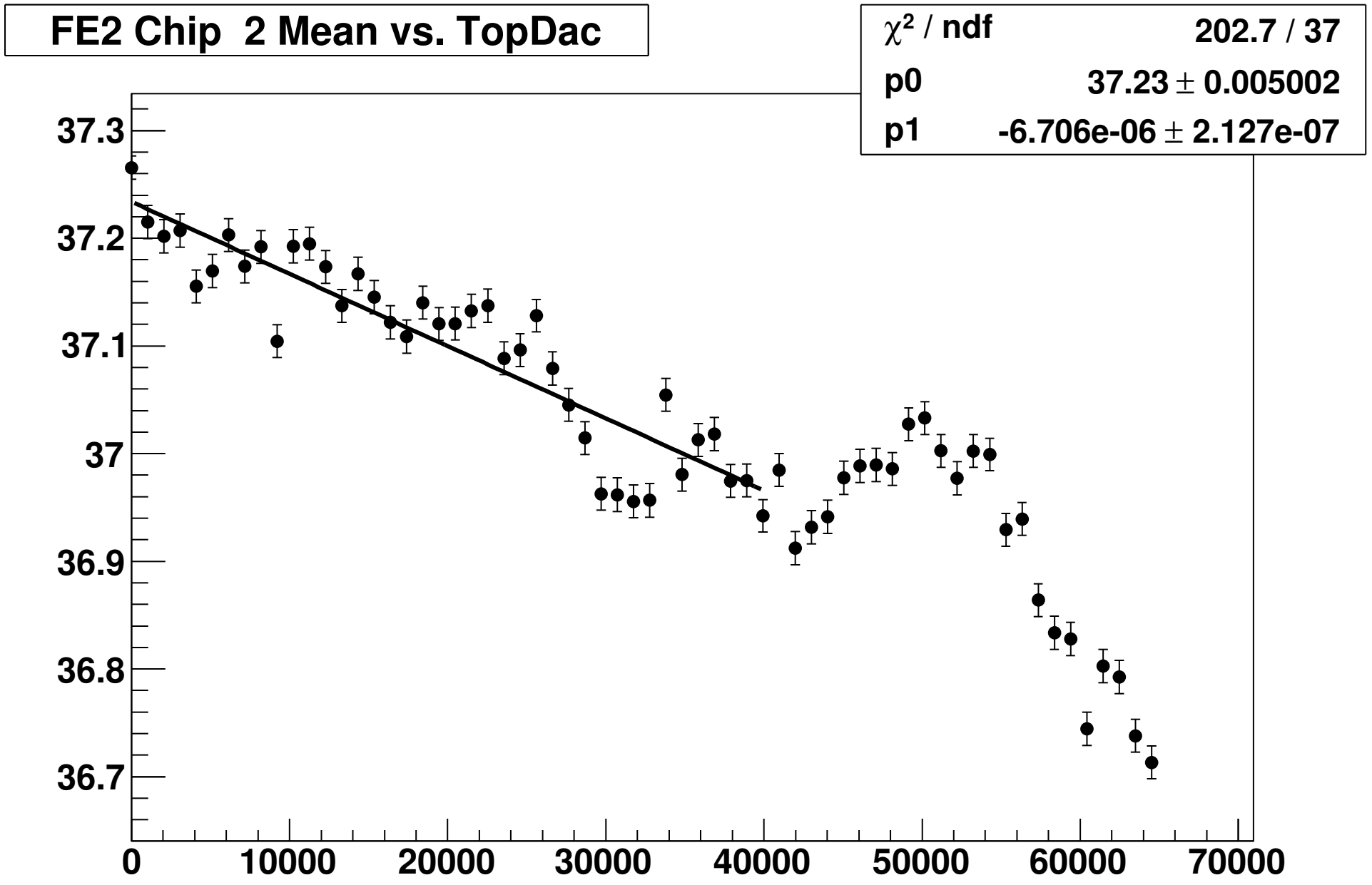
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 999.3 / 37
p0 1.347 ± 0.002755
p1 3.346e-05 ± 2.014e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 202.7 / 37
p0 37.23 ± 0.005002
p1 -6.706e-06 ± 2.127e-07
37.3
37.2
37.1
37
36.9
36.8
36.7
0
10000
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50000
60000
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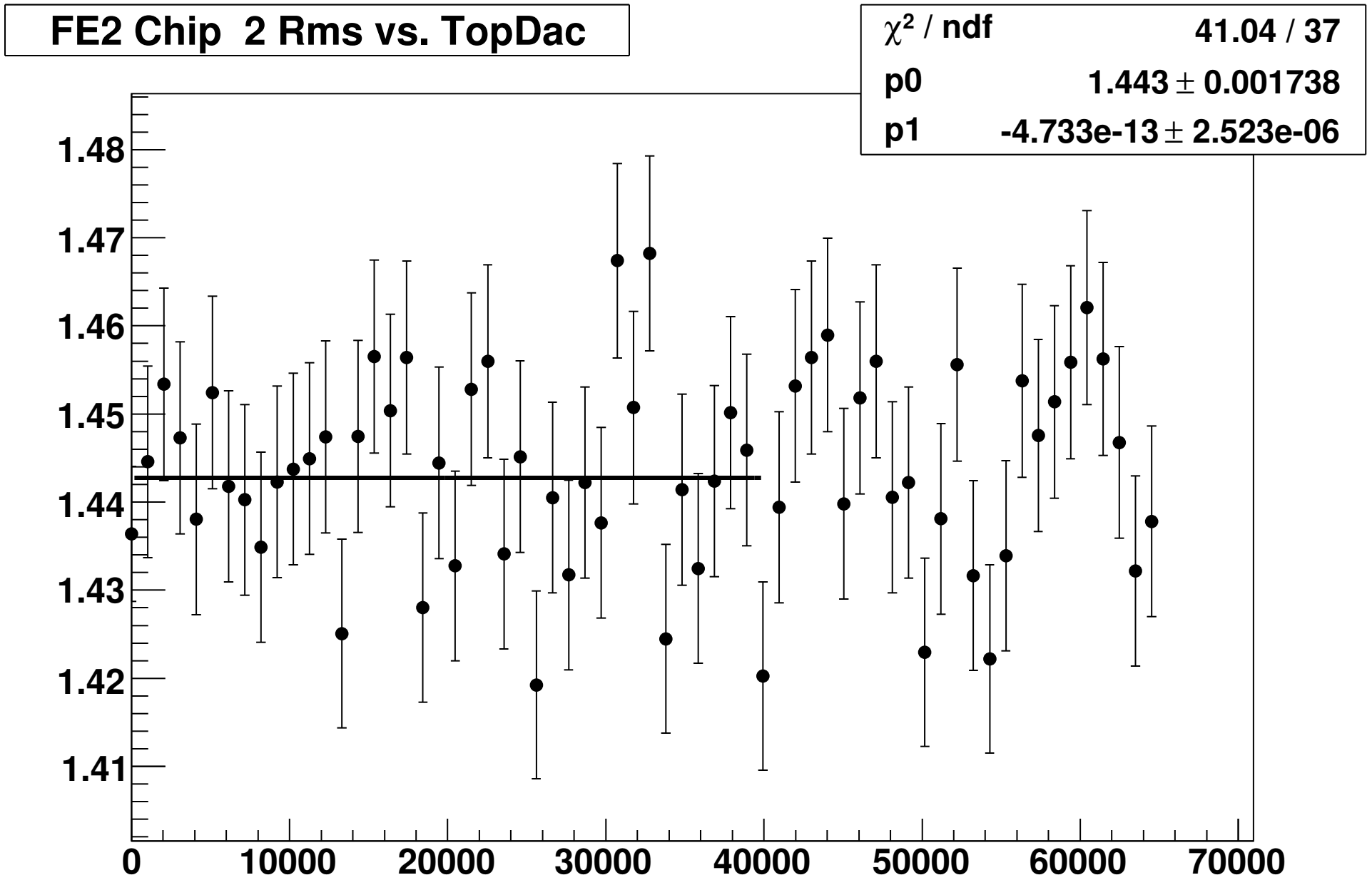
FE2 Chip 2 Rms vs. TopDac
χ² / ndf 41.04 / 37
p0 1.443 ± 0.001738
p1 -4.733e-13 ± 2.523e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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40000
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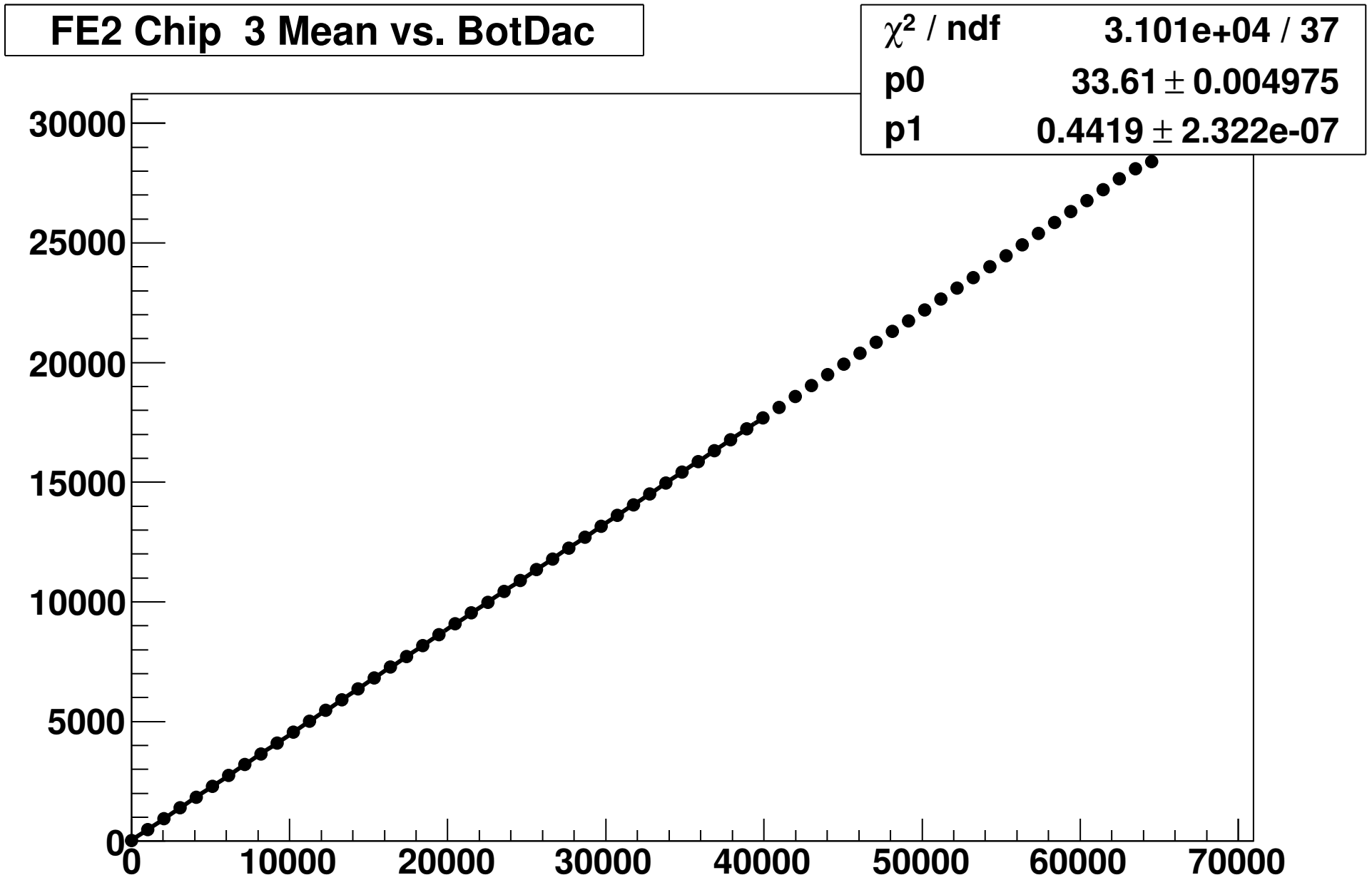
60000
70000


FE2 Chip 3 Mean vs. BotDac
χ² / ndf 3.101e+04 / 37
p0 33.61 ± 0.004975
p1 0.4419 ± 2.322e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
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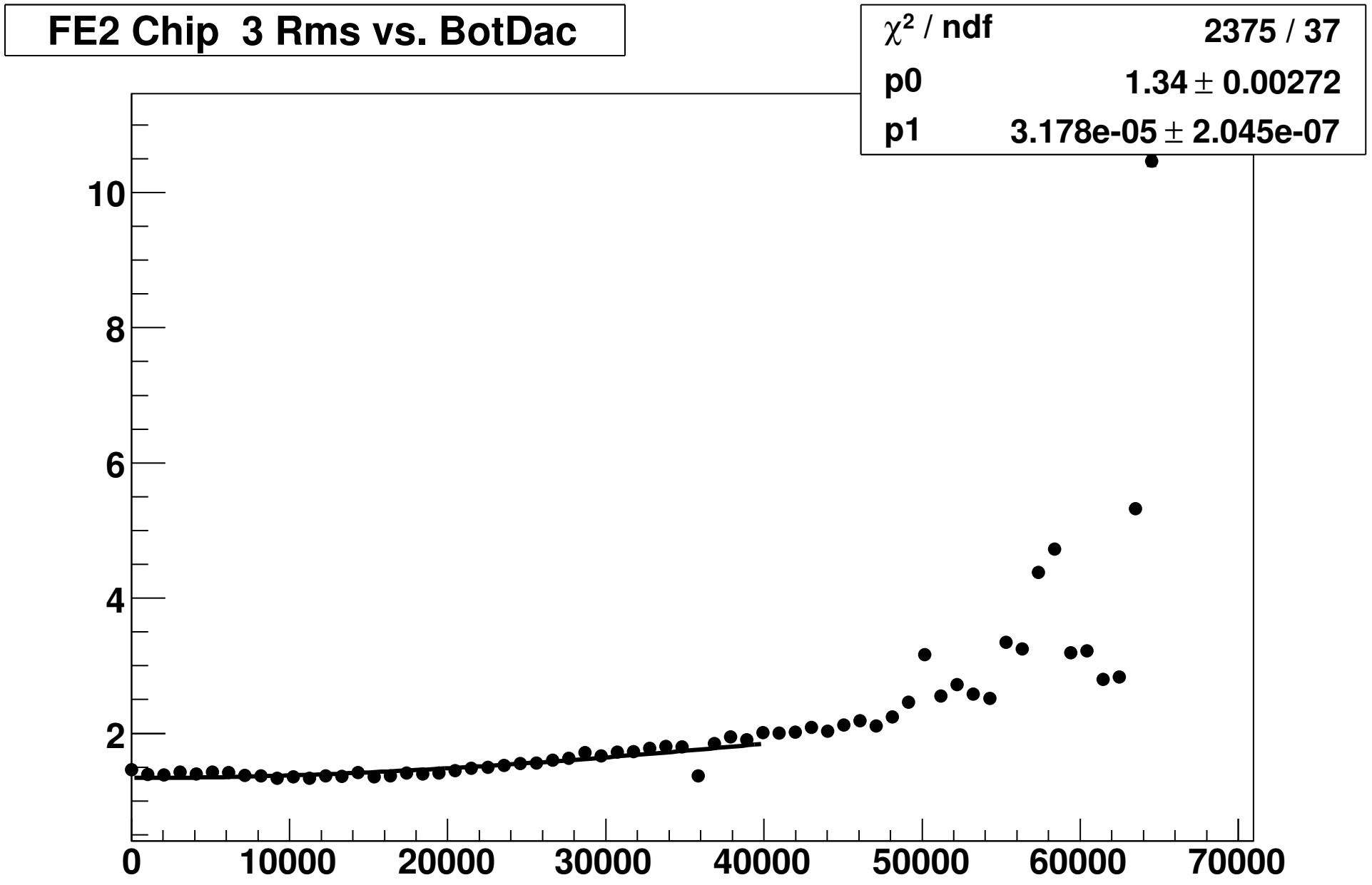
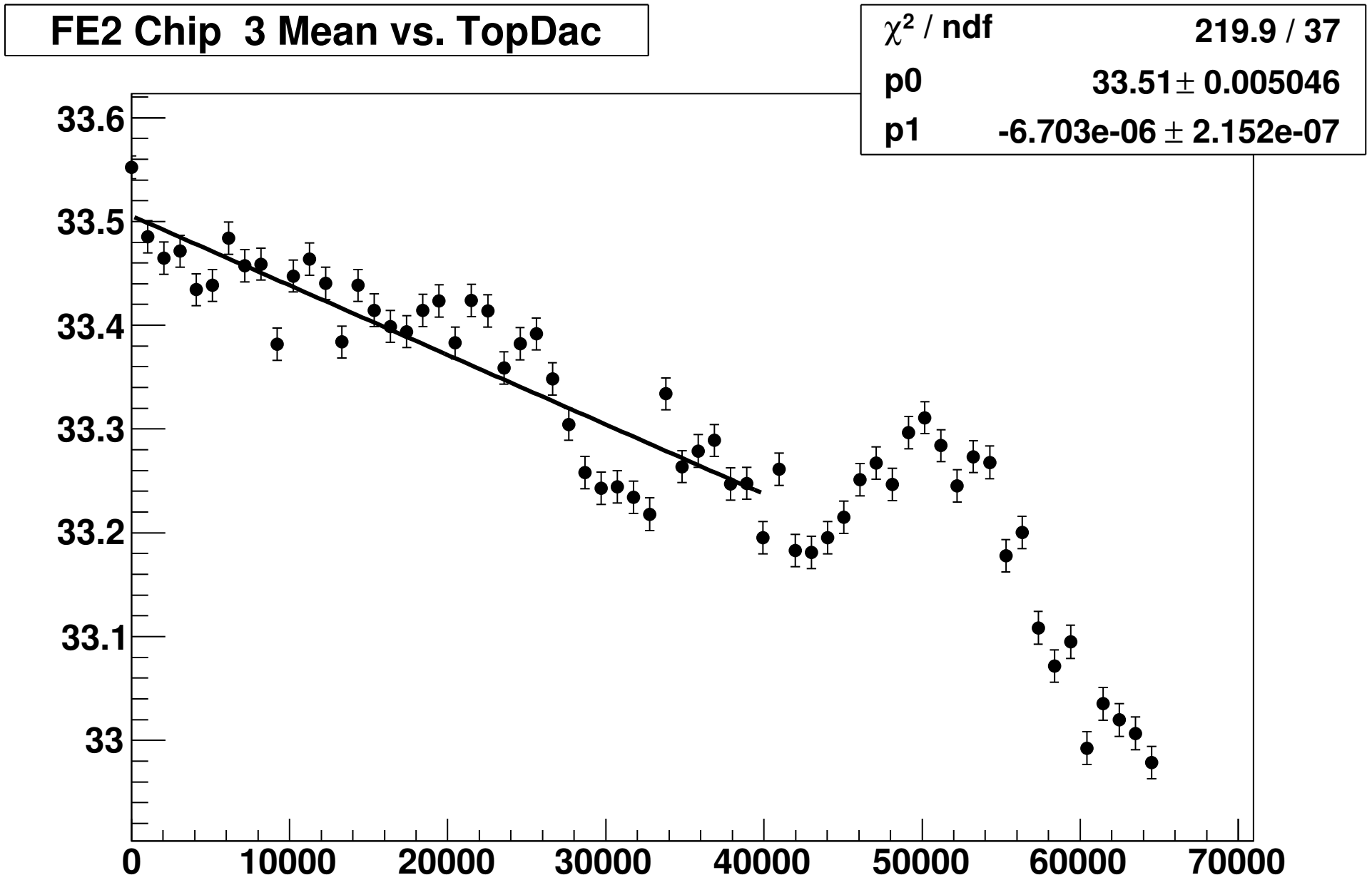
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 2375 / 37
p0 1.34 ± 0.00272
p1 3.178e-05 ± 2.045e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 219.9 / 37
p0 33.51 ± 0.005046
p1 -6.703e-06 ± 2.152e-07
33.6
33.5
33.4
33.3
33.2
33.1
33
0
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20000
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50000
60000
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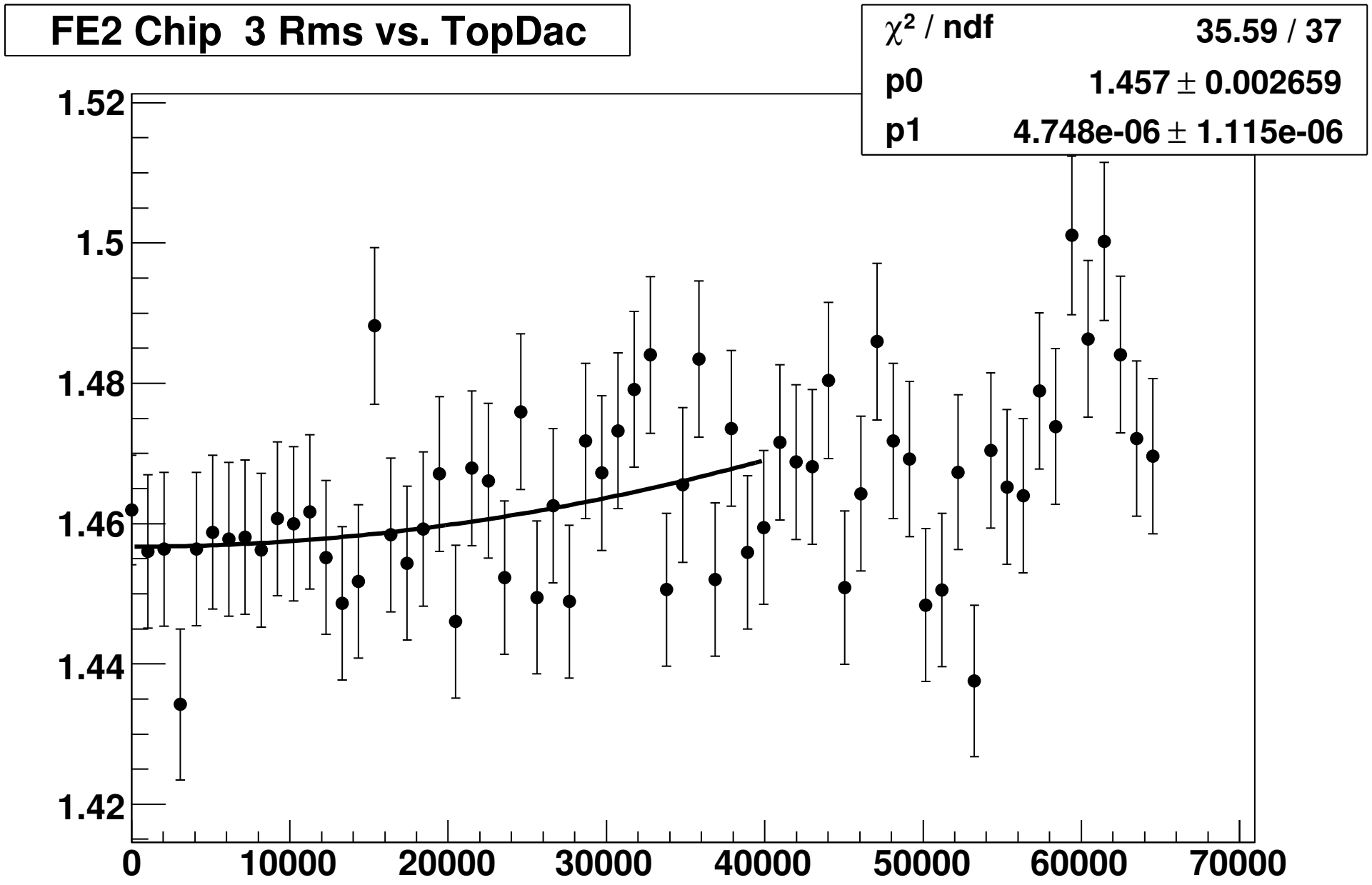
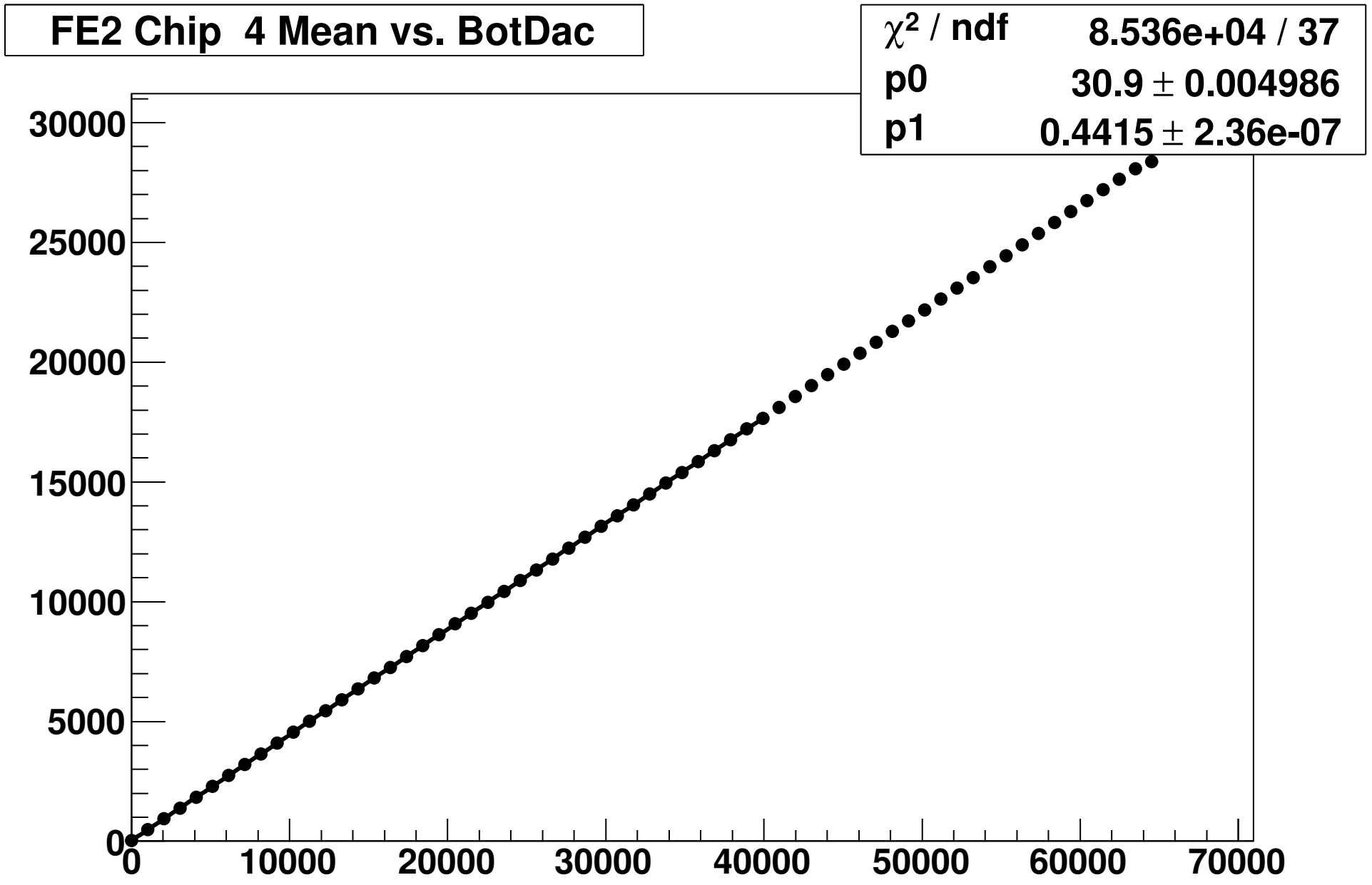
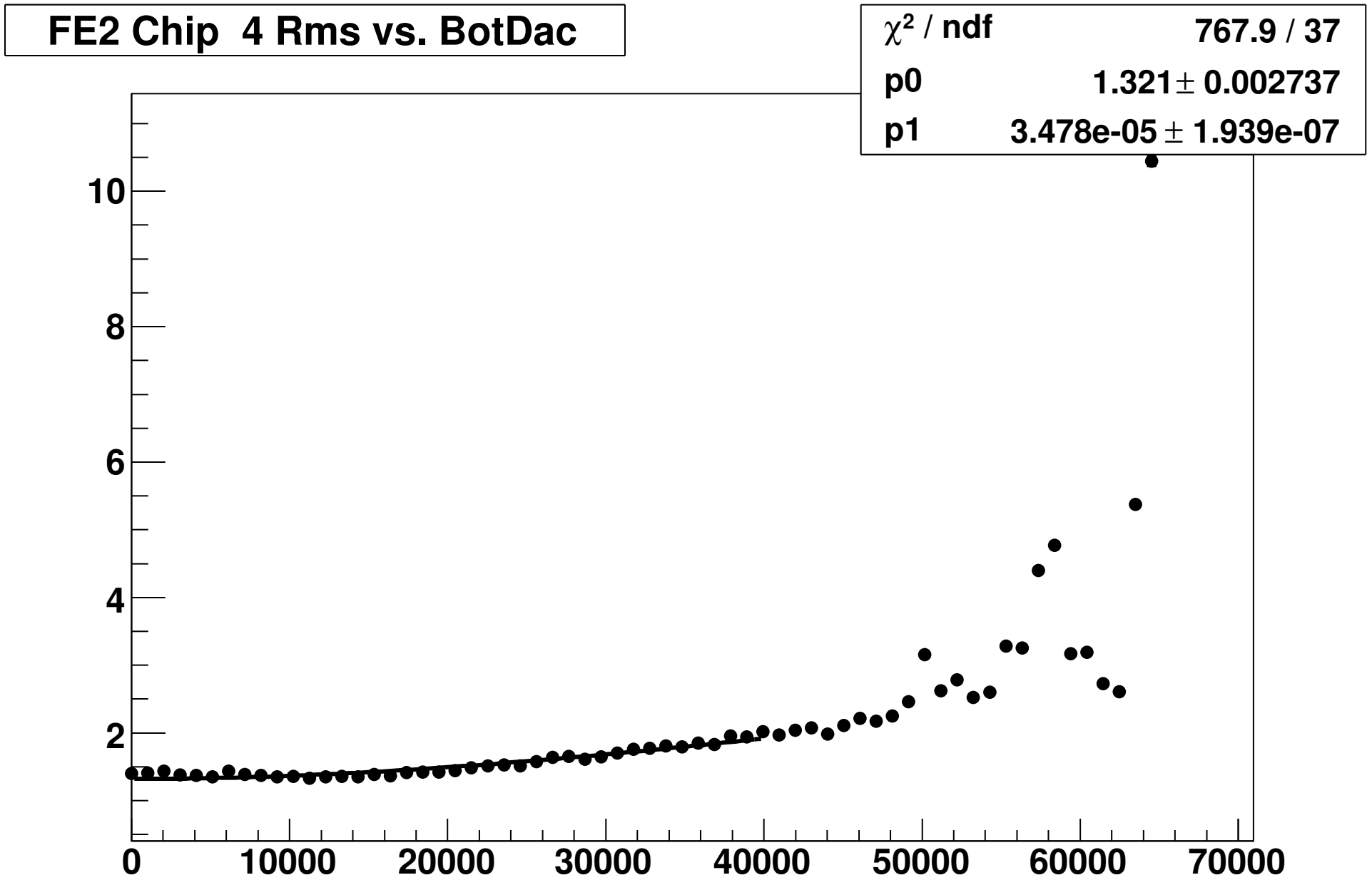
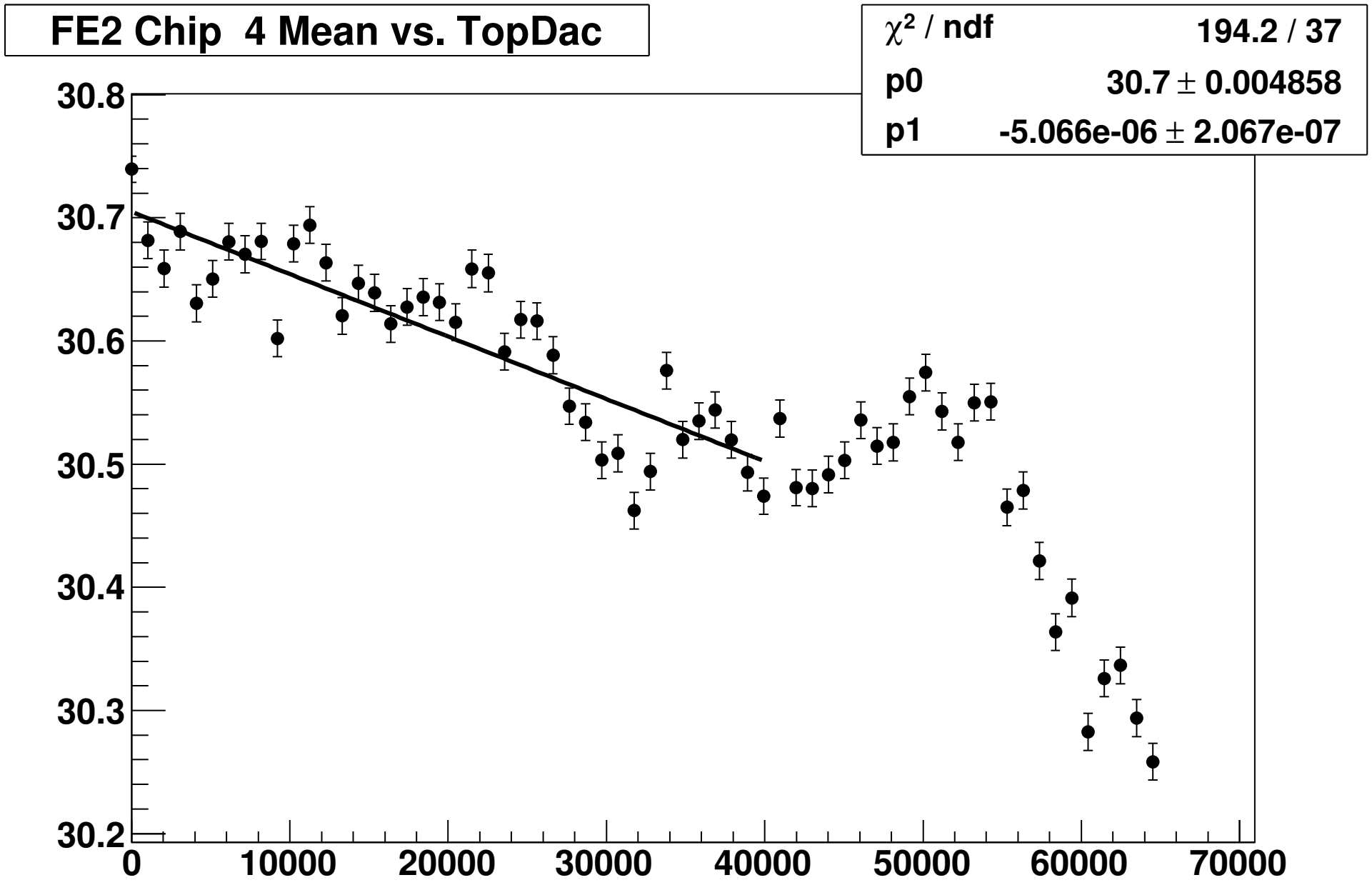

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 35.59 / 37
p0 1.457 ± 0.002659
p1 4.748e-06 ± 1.115e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 8.536e+04 / 37
p0 30.9 ± 0.004986
p1 0.4415 ± 2.36e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 767.9 / 37
p0 1.321 ± 0.002737
p1 3.478e-05 ± 1.939e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 194.2 / 37
p0 30.7 ± 0.004858
p1 -5.066e-06 ± 2.067e-07
30.8
30.7
30.6
30.5
30.4
30.3
30.2
0
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30000
40000
50000
60000
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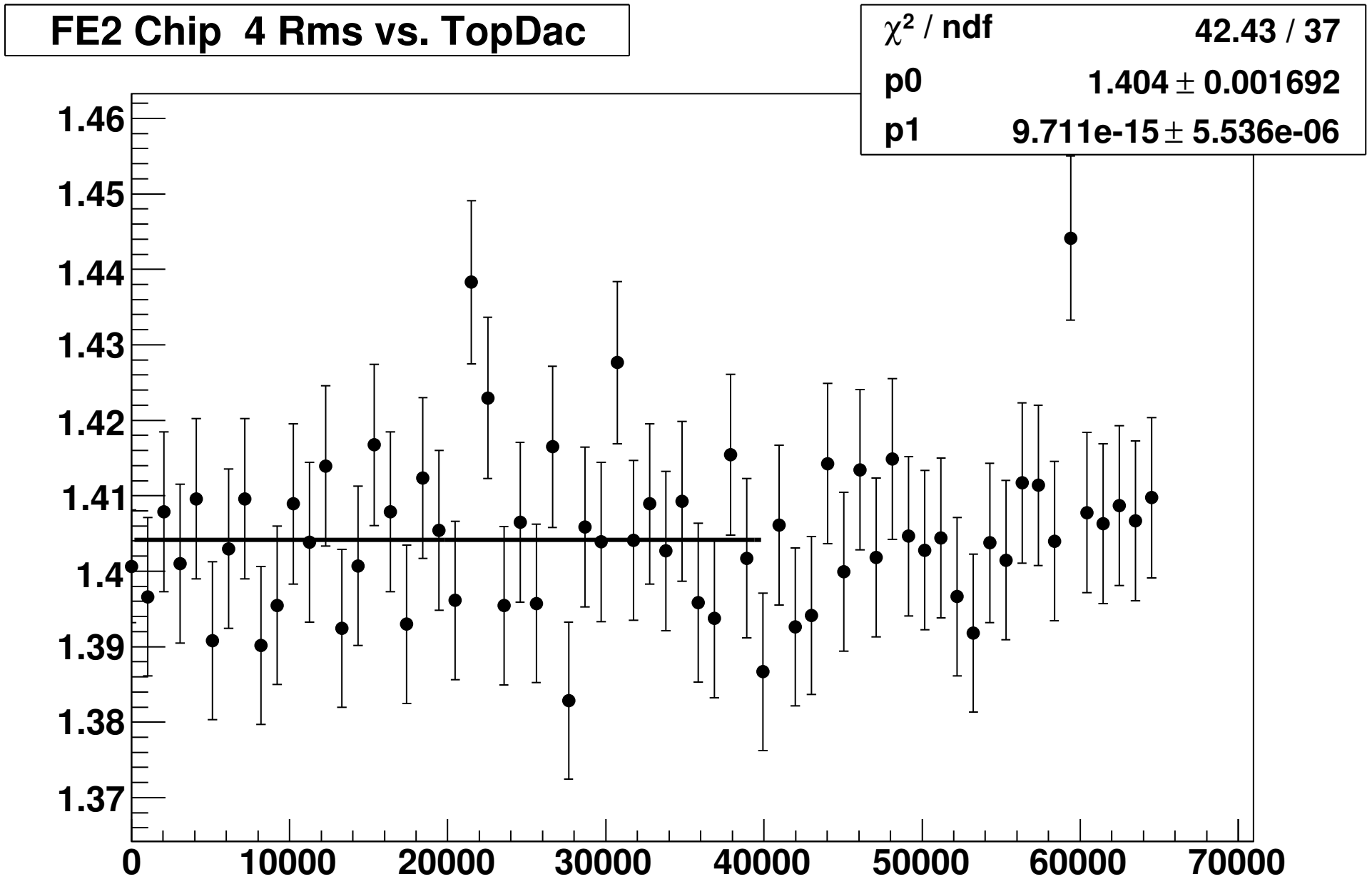
FE2 Chip 4 Rms vs. TopDac
χ² / ndf 42.43 / 37
p0 1.404 ± 0.001692
p1 9.711e-15 ± 5.536e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
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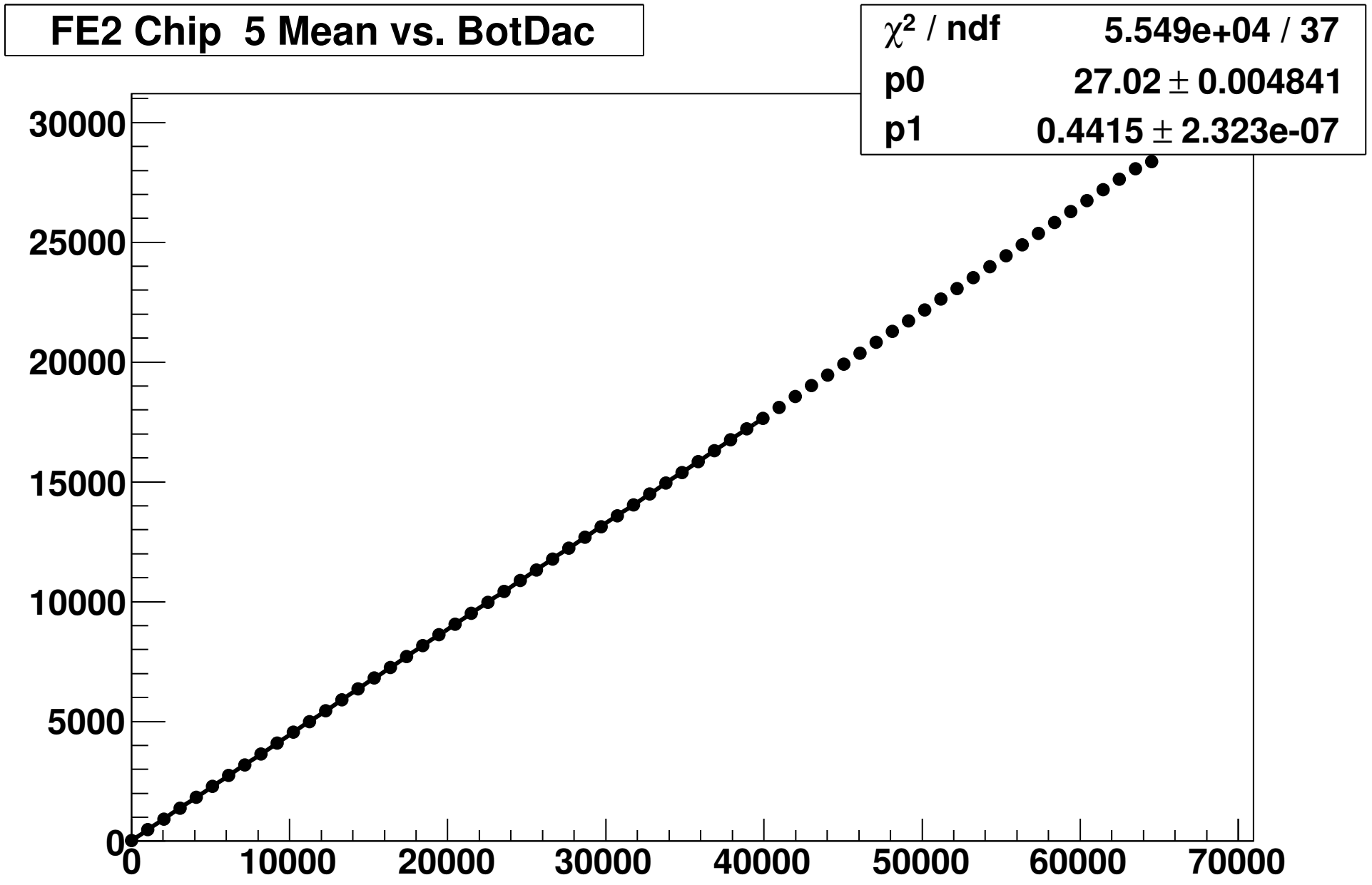
FE2 Chip 5 Mean vs. BotDac
χ² / ndf 5.549e+04 / 37
p0 27.02 ± 0.004841
p1 0.4415 ± 2.323e-07
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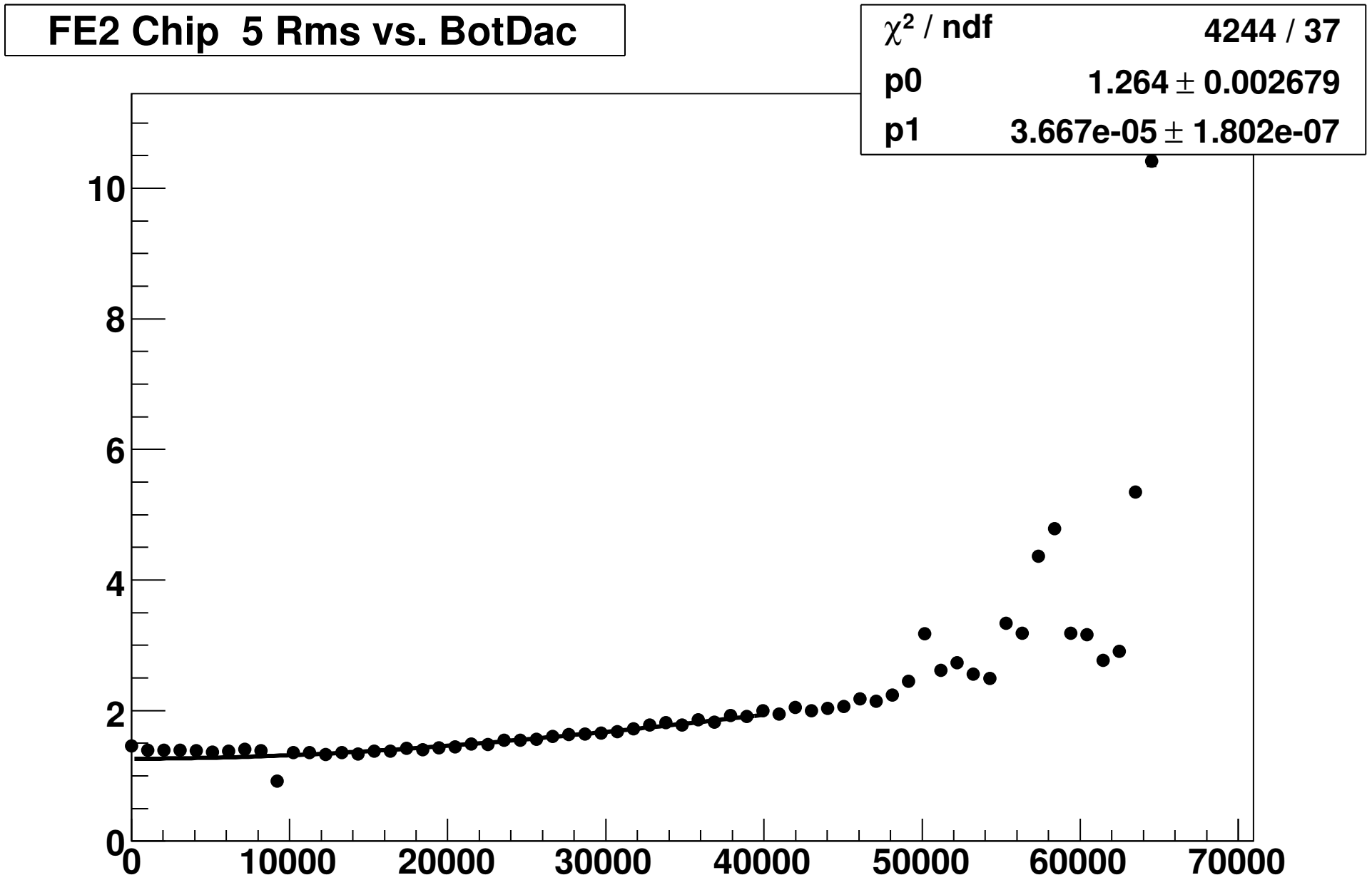
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 4244 / 37
p0 1.264 ± 0.002679
p1 3.667e-05 ± 1.802e-07
0
2
4
6
8
10
0
10000
20000
30000
40000
50000
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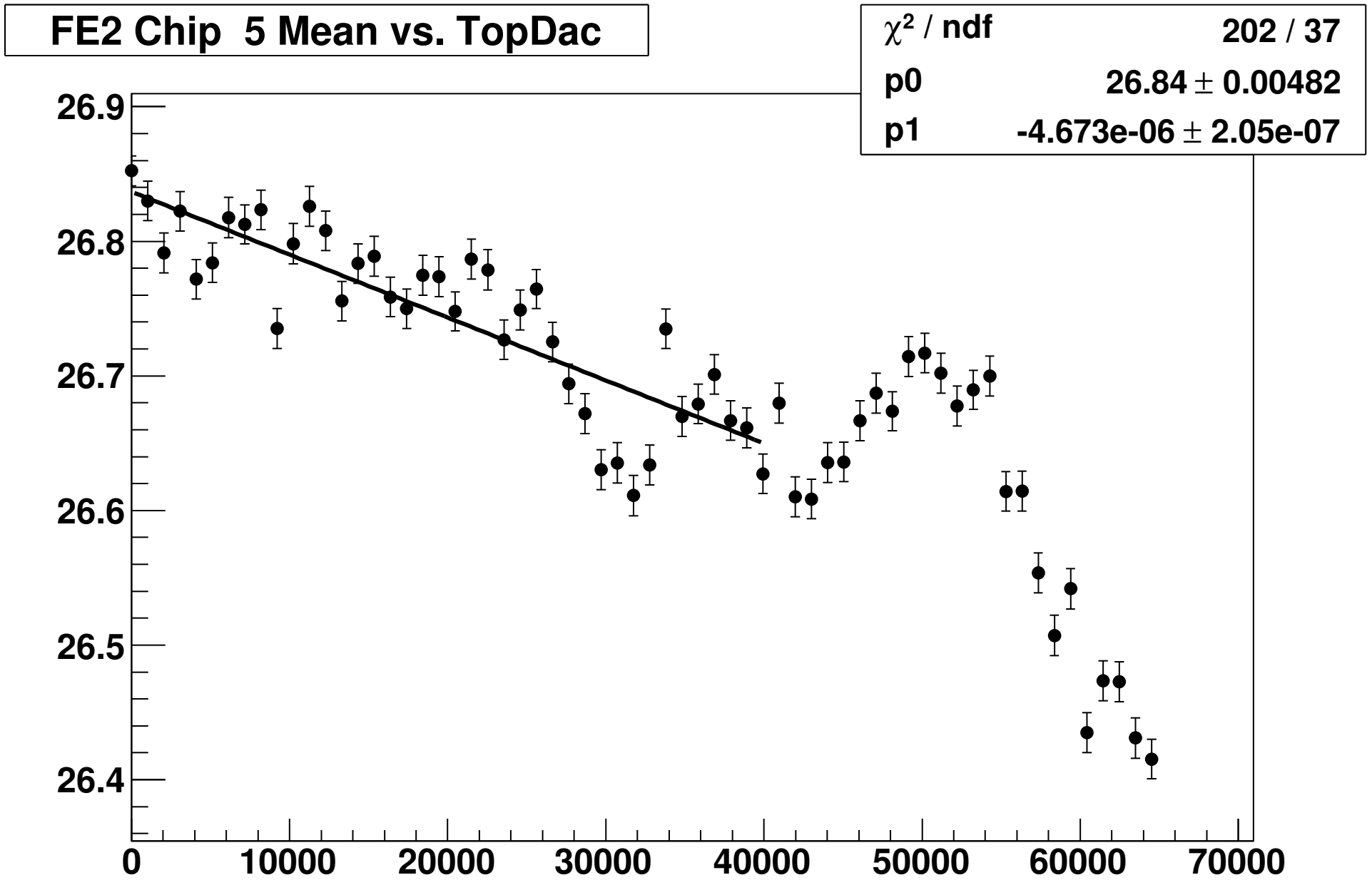
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 202 / 37
p0 26.84 ± 0.00482
p1 -4.673e-06 ± 2.05e-07
26.9
26.8
26.7
26.6
26.5
26.4
0
10000
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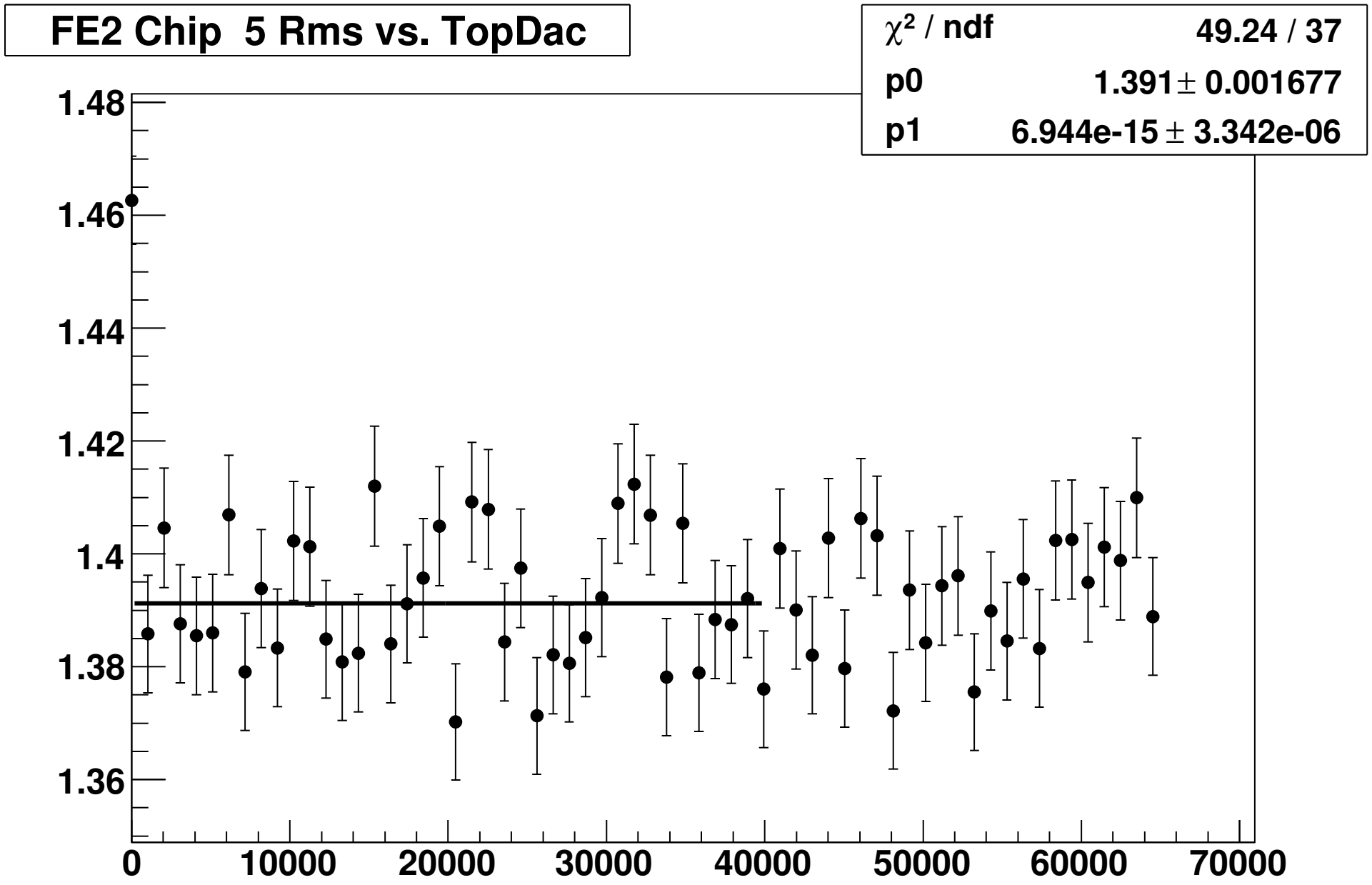
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 49.24 / 37
p0 1.391 ± 0.001677
p1 6.944e-15 ± 3.342e-06
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
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50000
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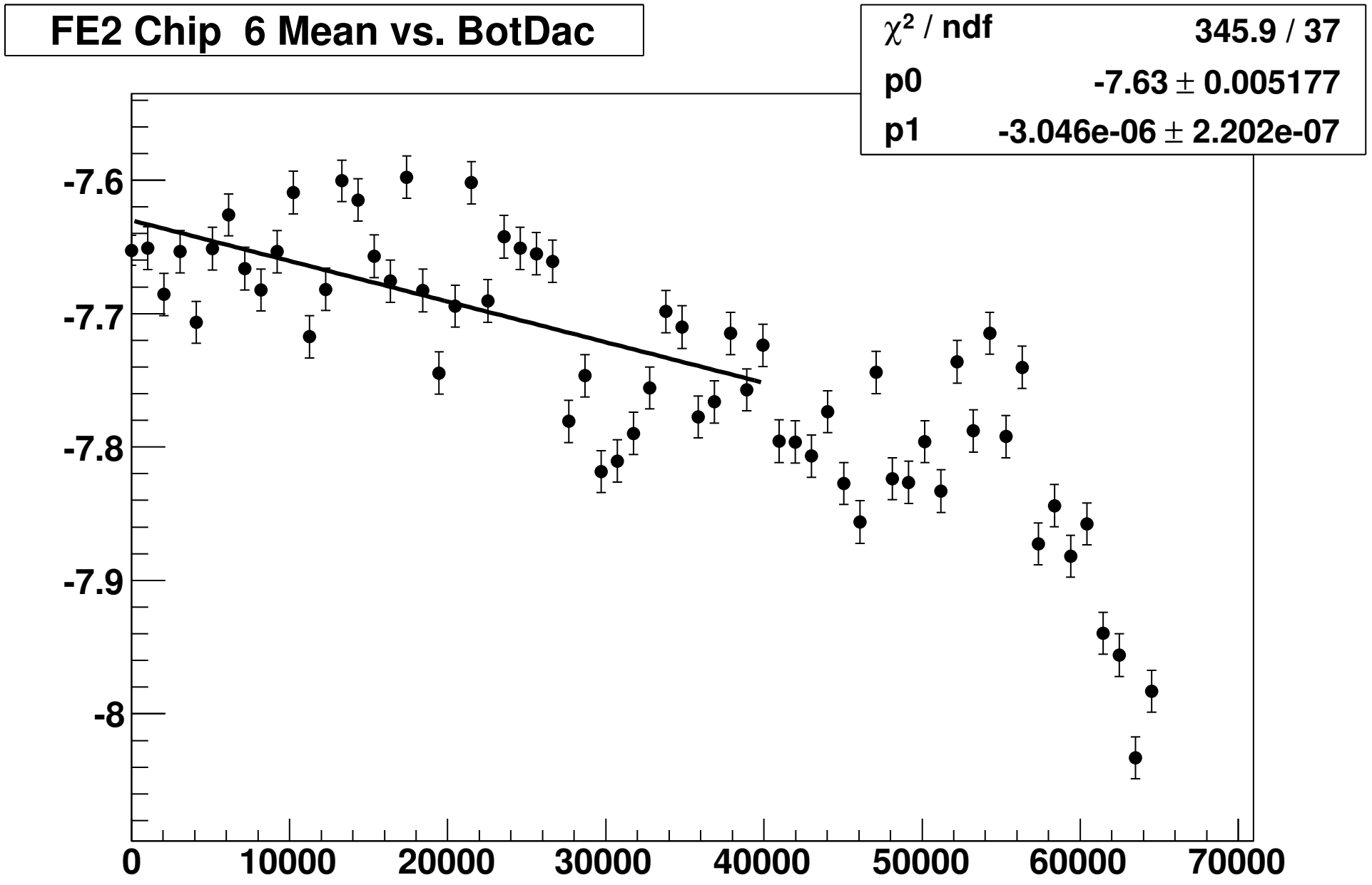
FE2 Chip 6 Mean vs. BotDac
χ² / ndf 345.9 / 37
p0 -7.63 ± 0.005177
p1 -3.046e-06 ± 2.202e-07
-7.6
-7.7
-7.8
-7.9
-8
0
10000
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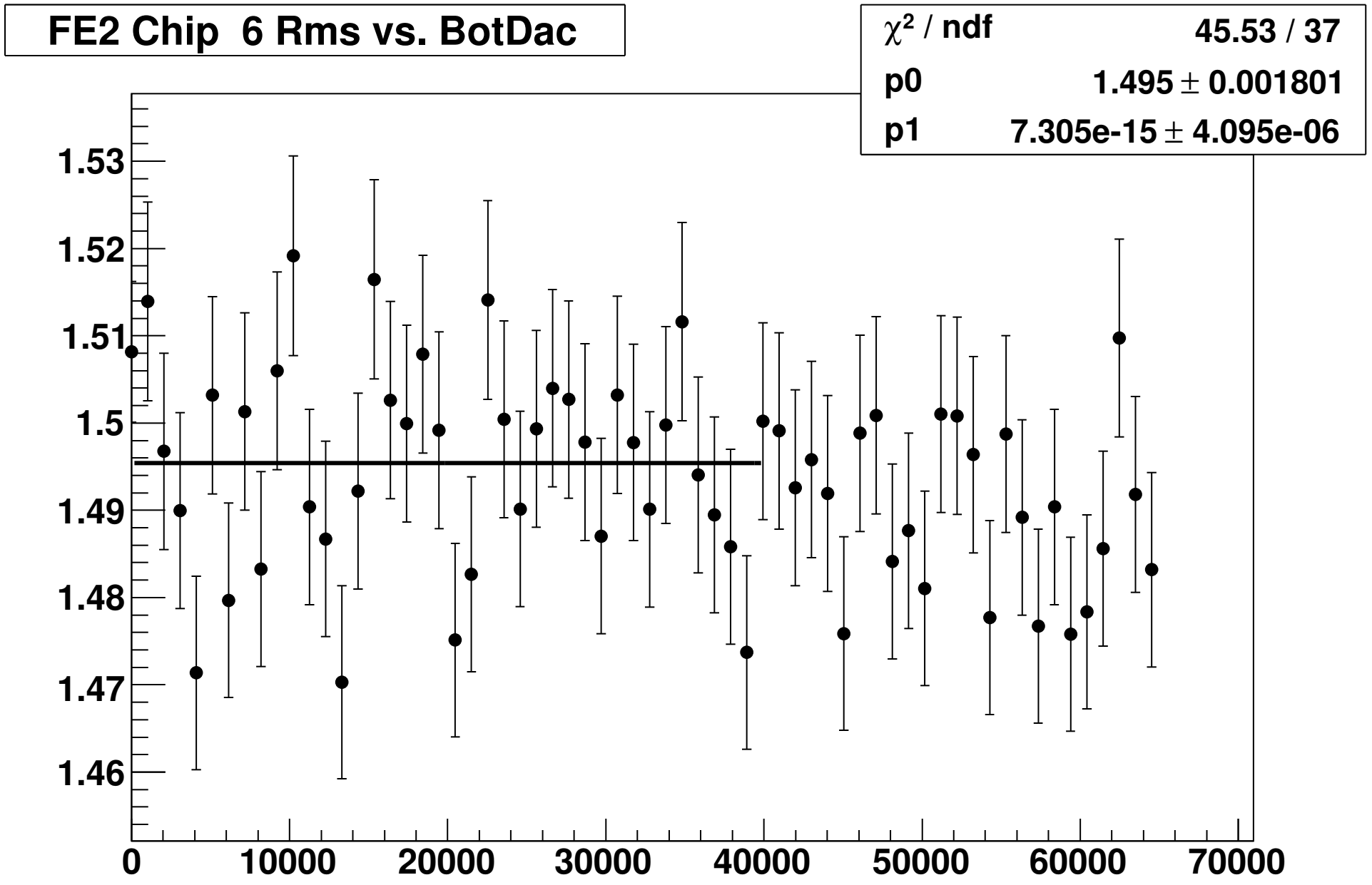
FE2 Chip 6 Rms vs. BotDac
χ² / ndf 45.53 / 37
p0 1.495 ± 0.001801
p1 7.305e-15 ± 4.095e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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40000
50000
60000
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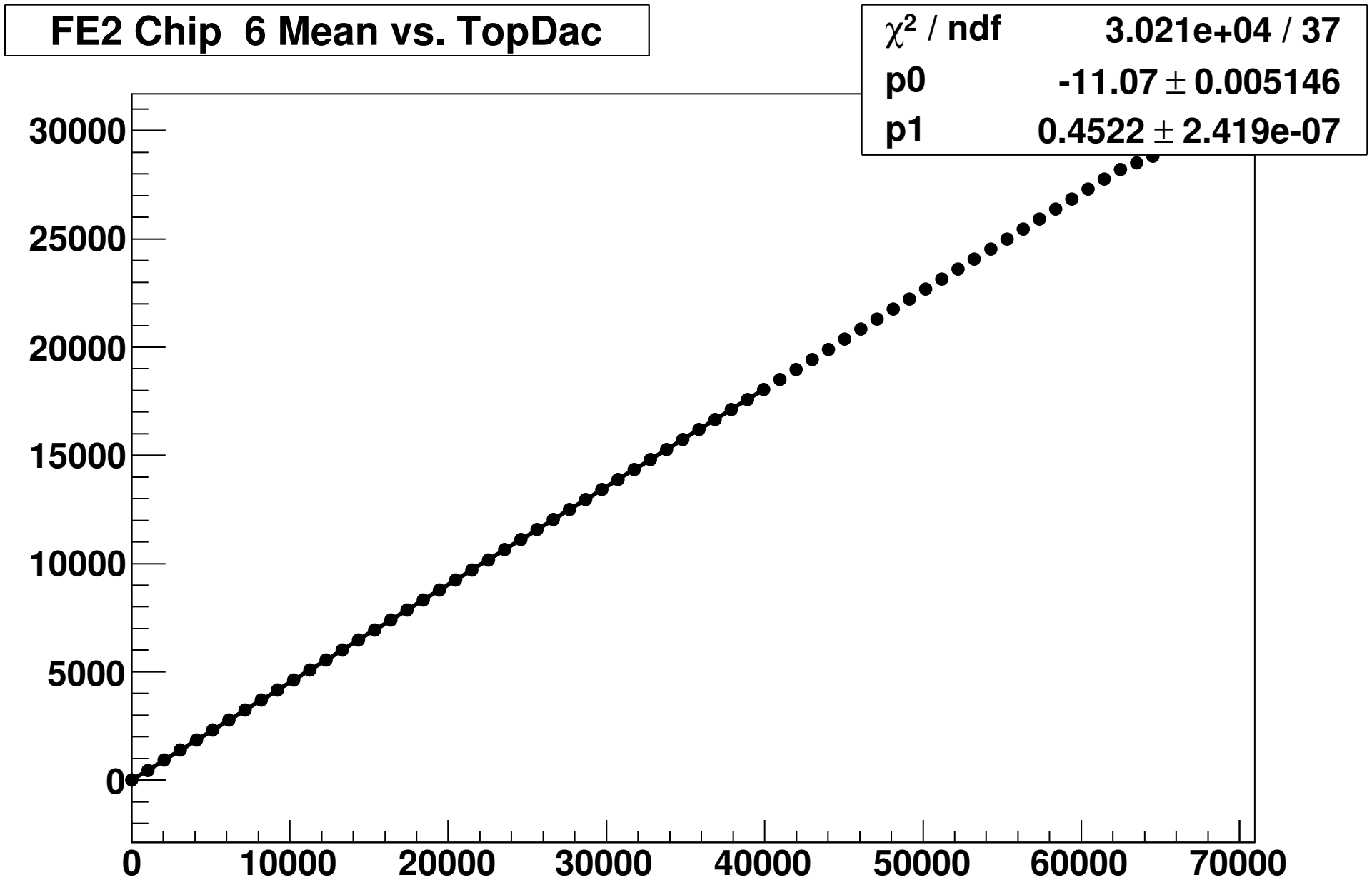
FE2 Chip 6 Mean vs. TopDac
χ² / ndf 3.021e+04 / 37
p0 -11.07 ± 0.005146
p1 0.4522 ± 2.419e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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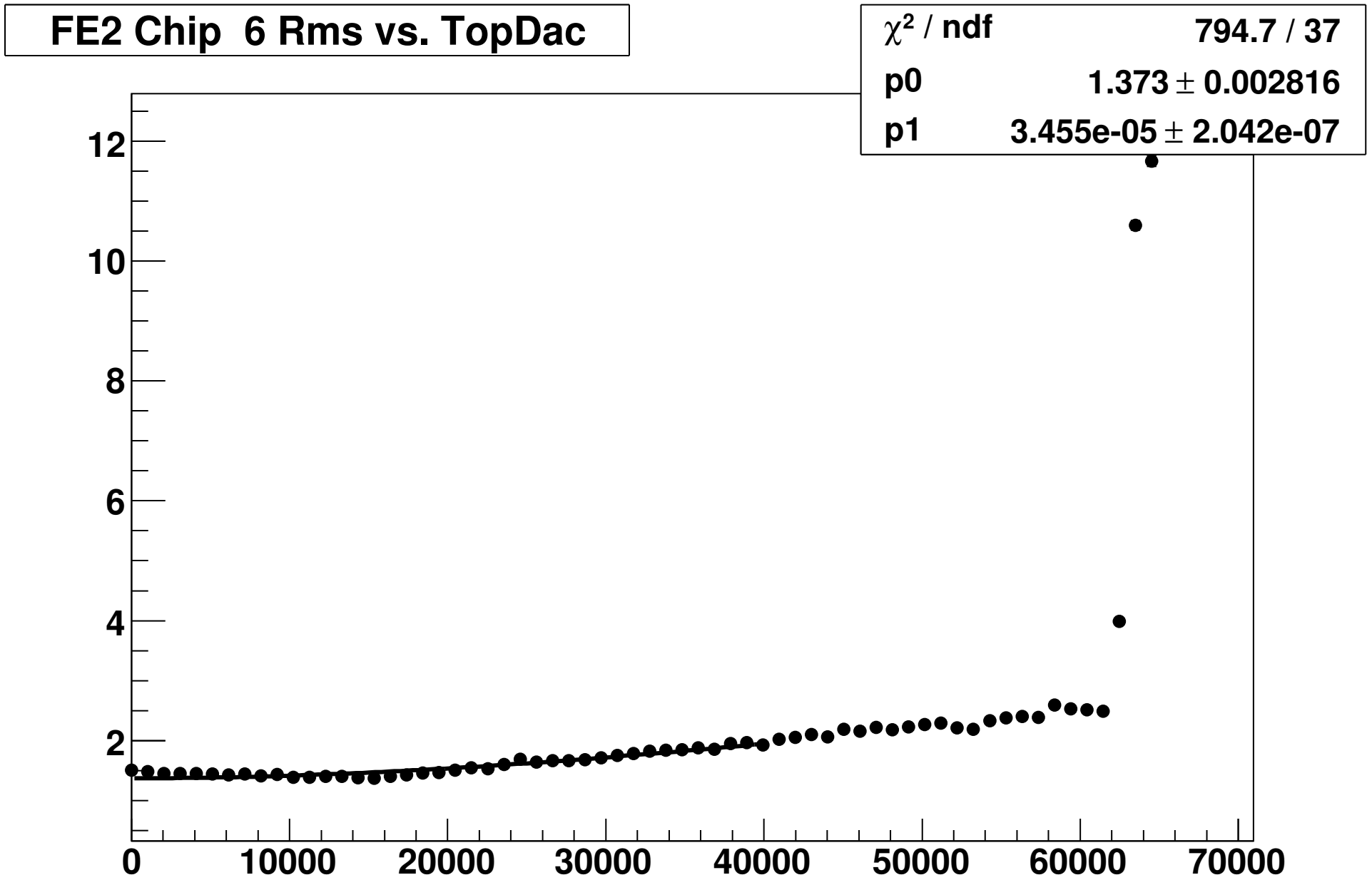
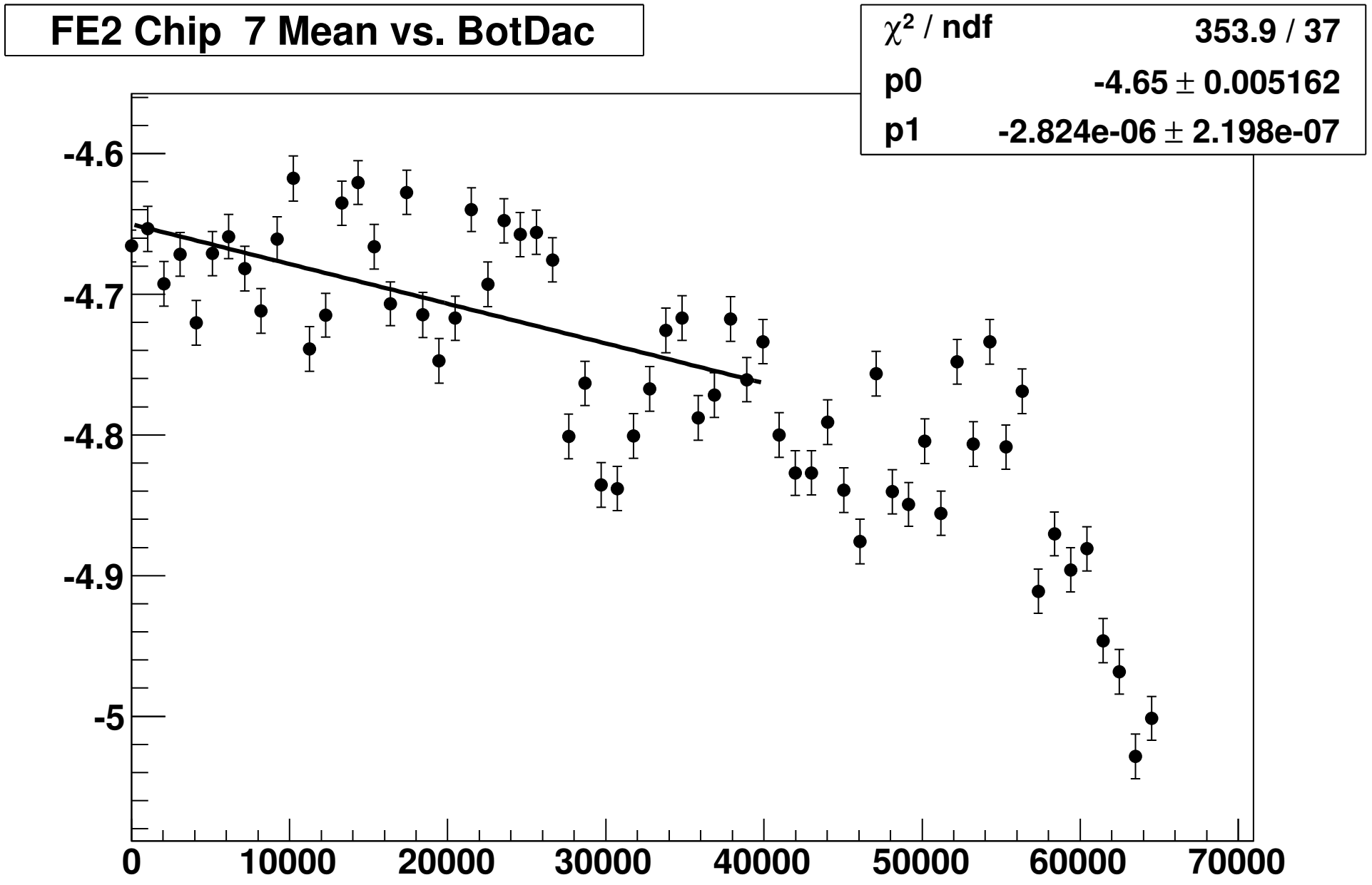

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 794.7 / 37
p0 1.373 ± 0.002816
p1 3.455e-05 ± 2.042e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 353.9 / 37
p0 -4.65 ± 0.005162
p1 -2.824e-06 ± 2.198e-07
-4.6
-4.7
-4.8
-4.9
-5
0
10000
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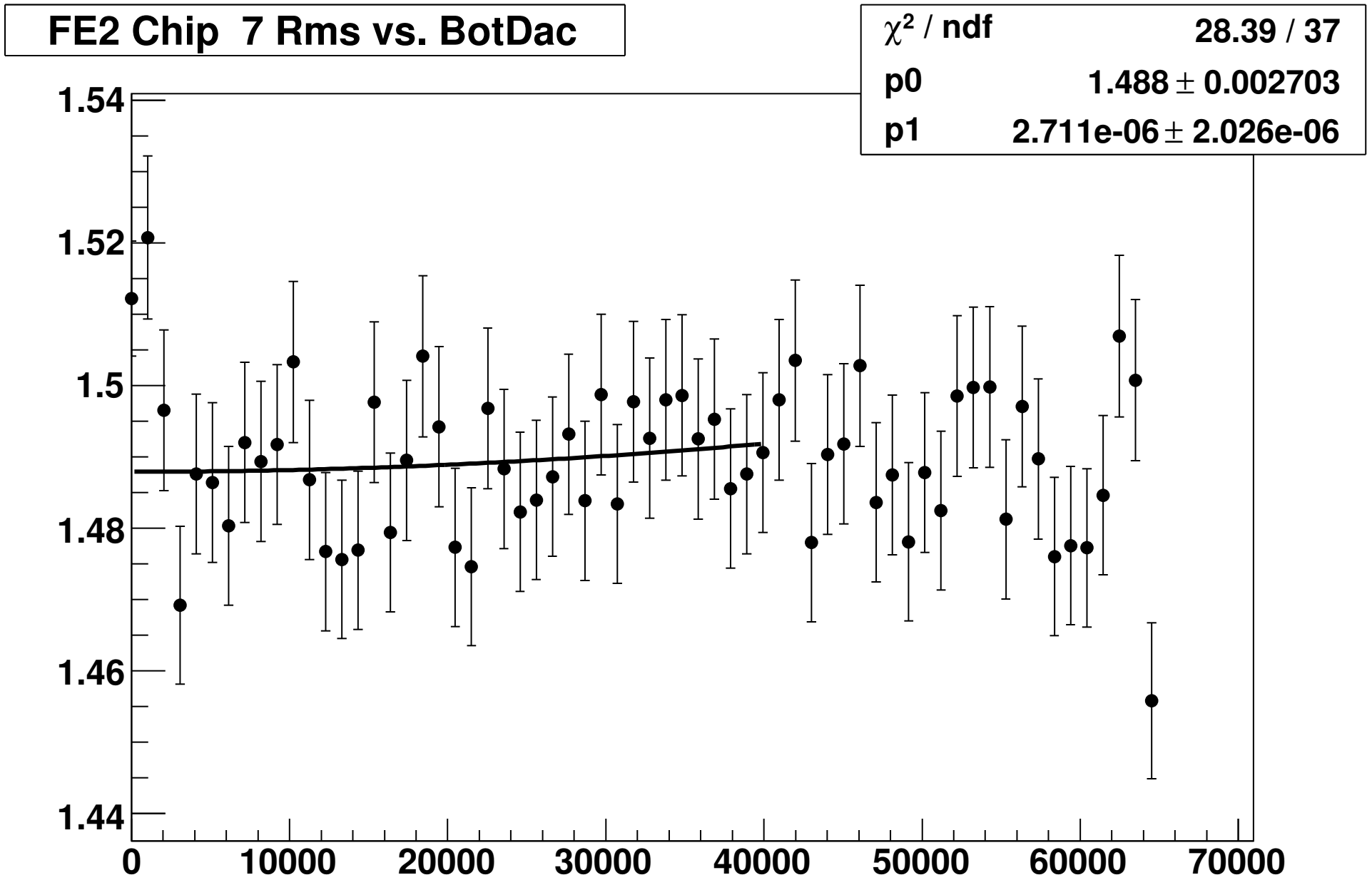
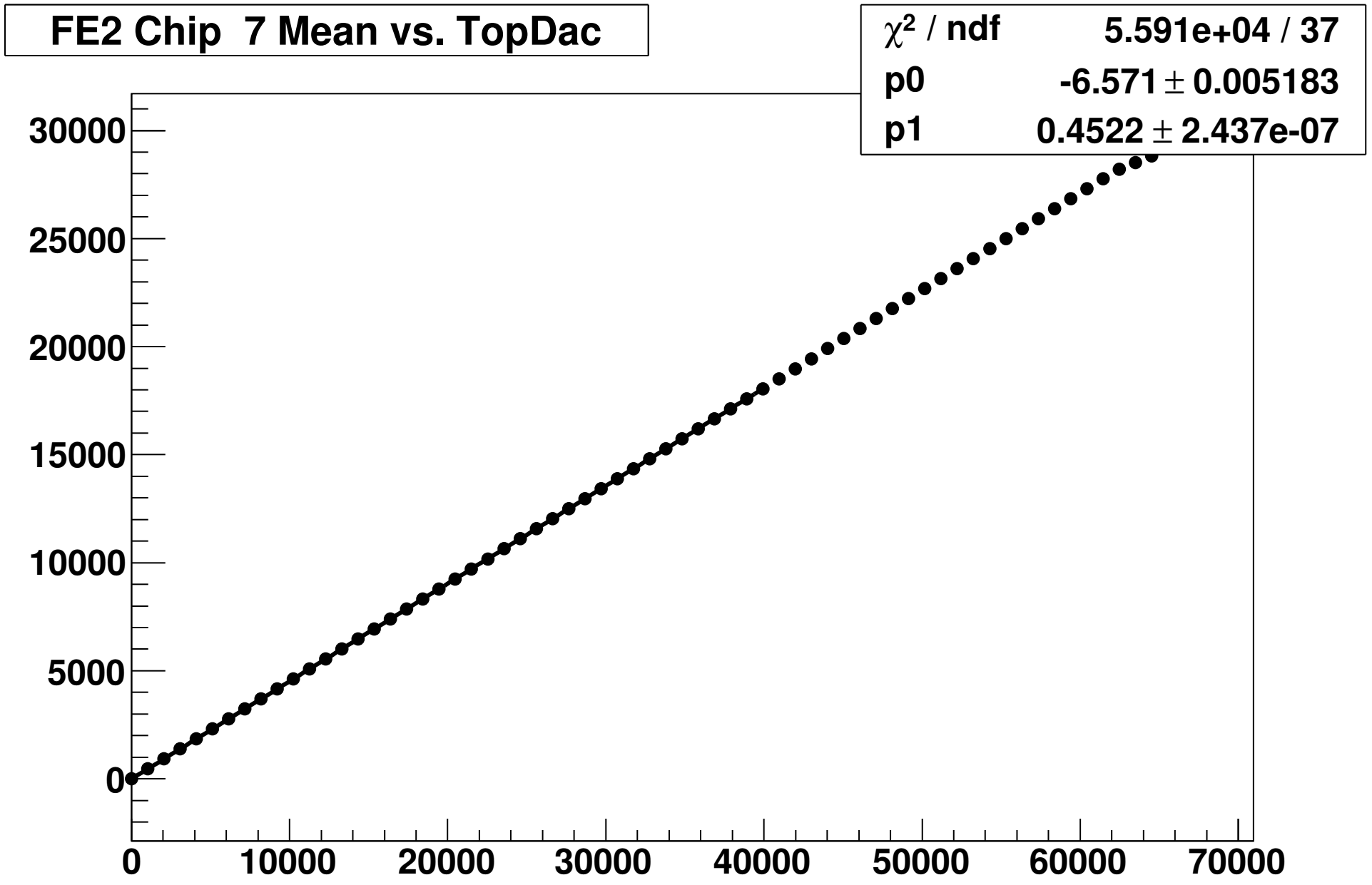
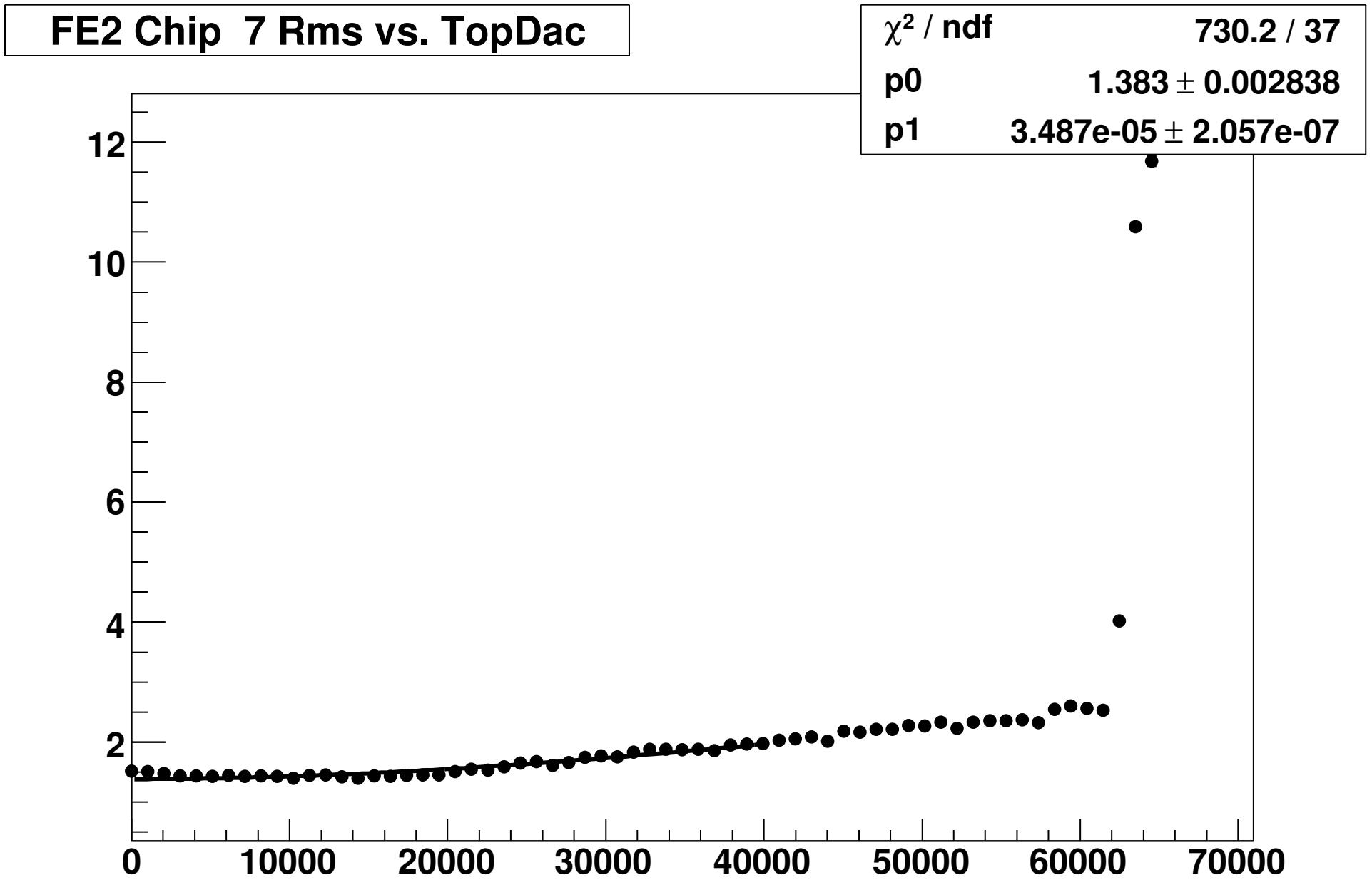
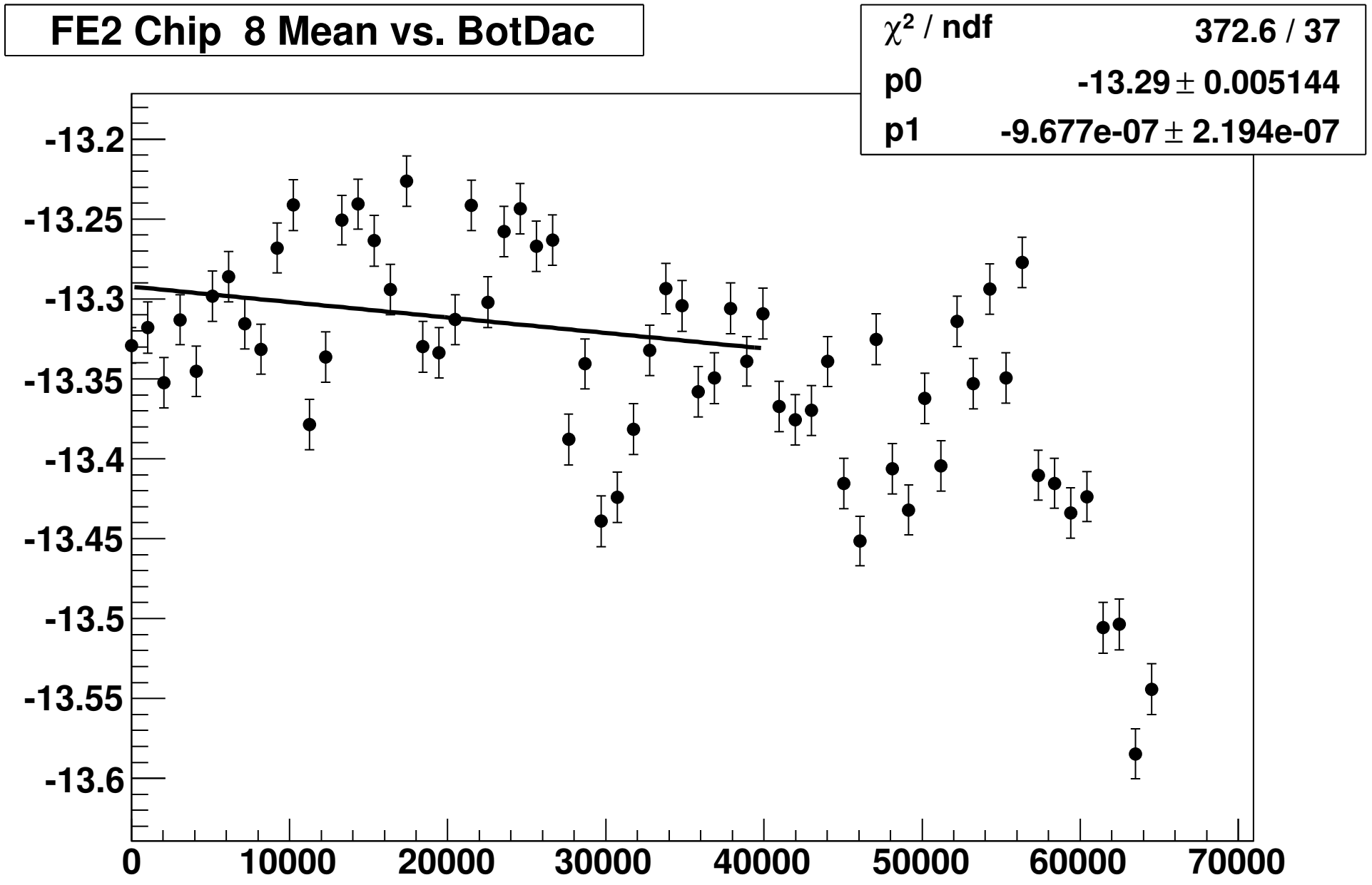
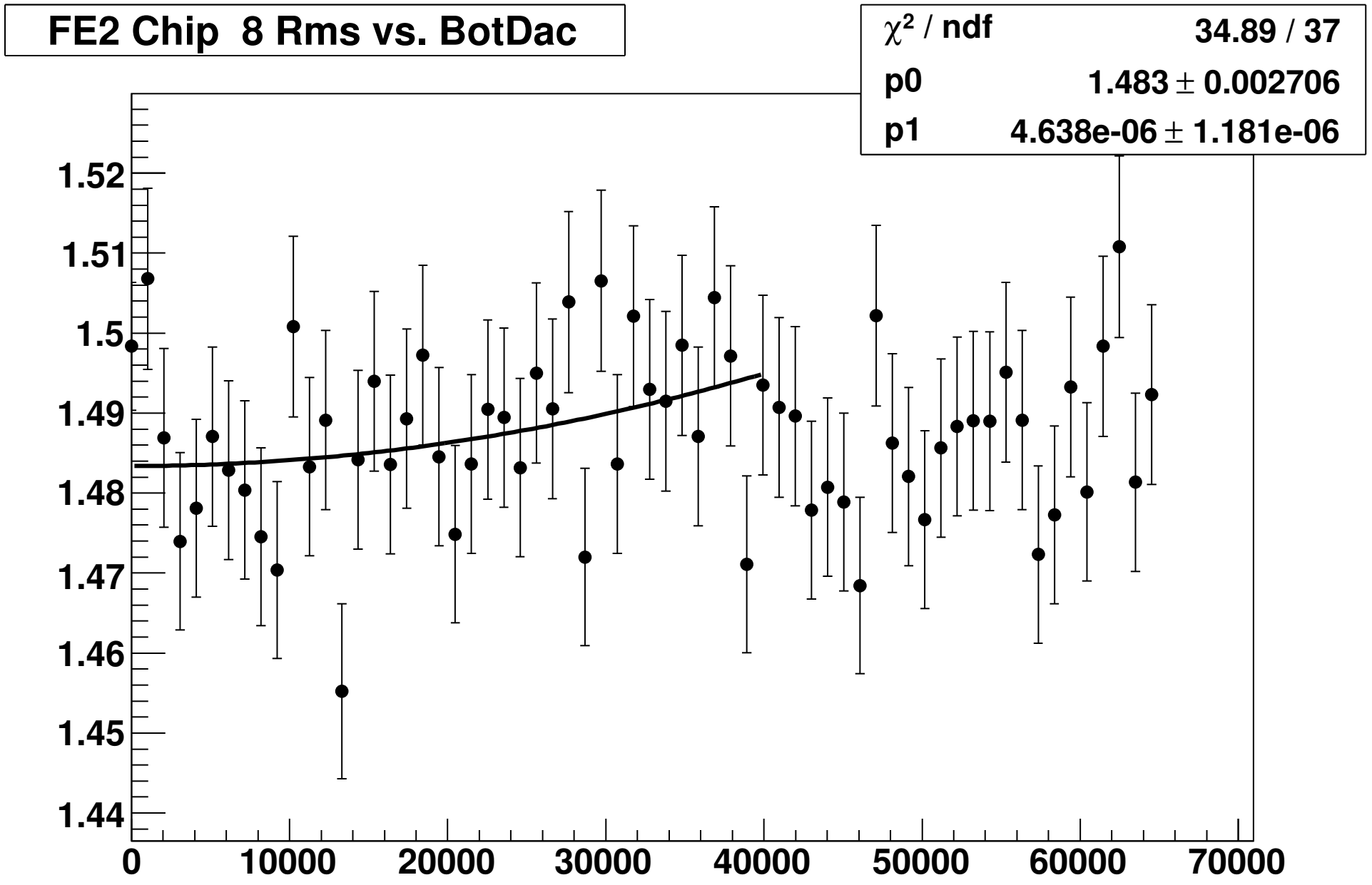
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 28.39 / 37
p0 1.488 ± 0.002703
p1 2.711e-06 ± 2.026e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 5.591e+04 / 37
p0 -6.571 ± 0.005183
p1 0.4522 ± 2.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 730.2 / 37
p0 1.383 ± 0.002838
p1 3.487e-05 ± 2.057e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 372.6 / 37
p0 -13.29 ± 0.005144
p1 -9.677e-07 ± 2.194e-07
-13.2
-13.25
-13.3
-13.35
-13.4
-13.45
-13.5
-13.55
-13.6
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 34.89 / 37
p0 1.483 ± 0.002706
p1 4.638e-06 ± 1.181e-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
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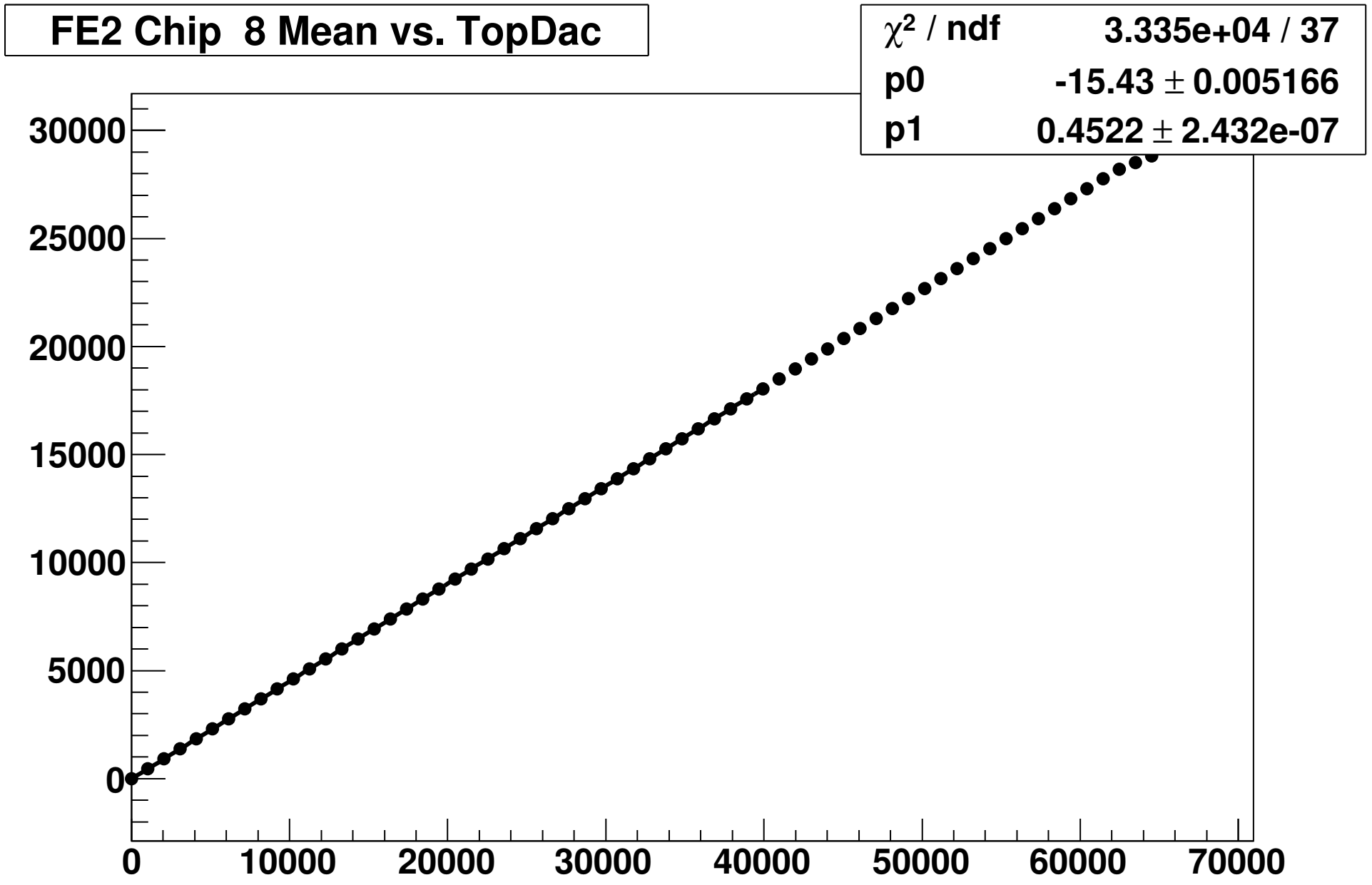
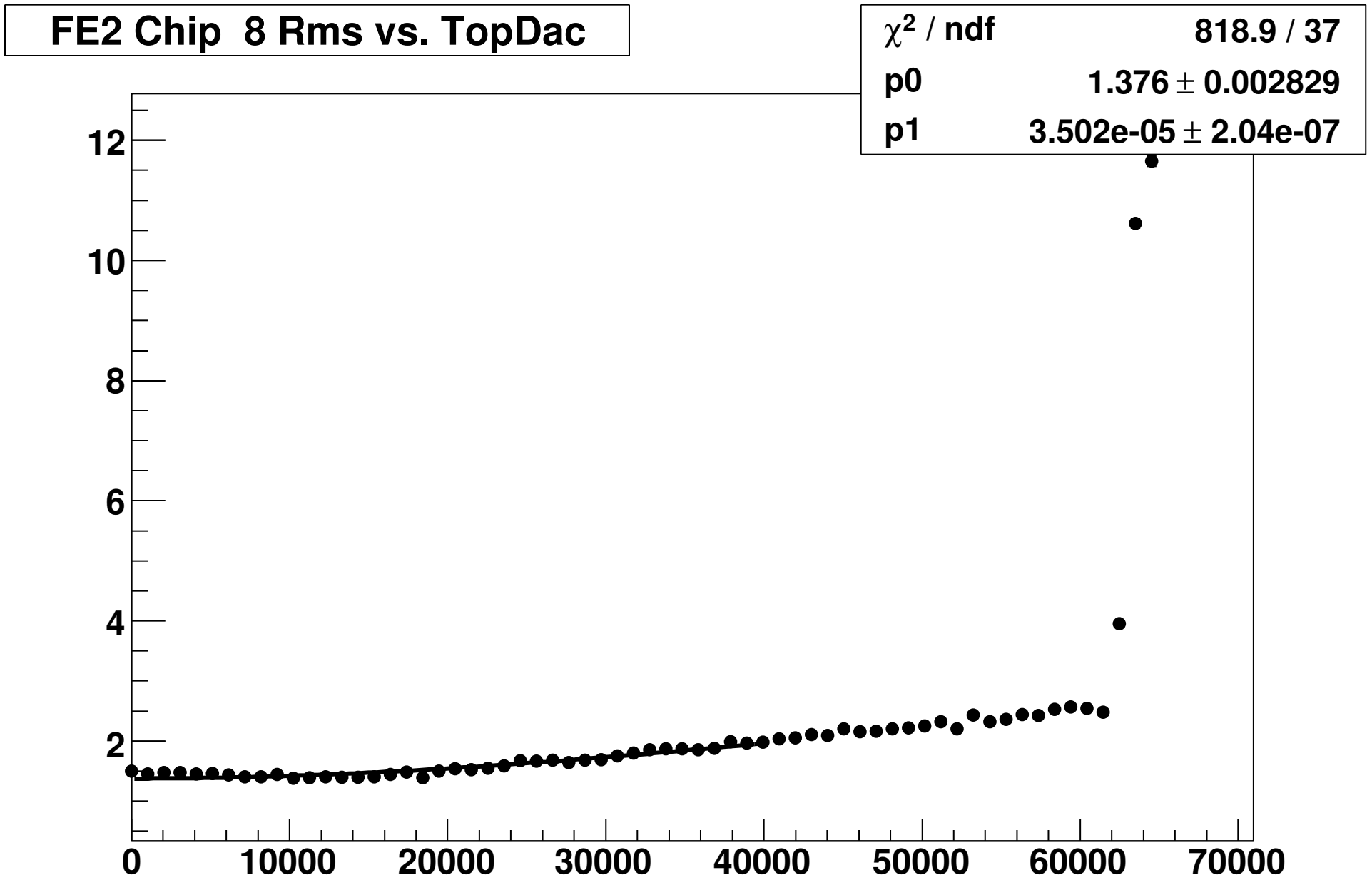
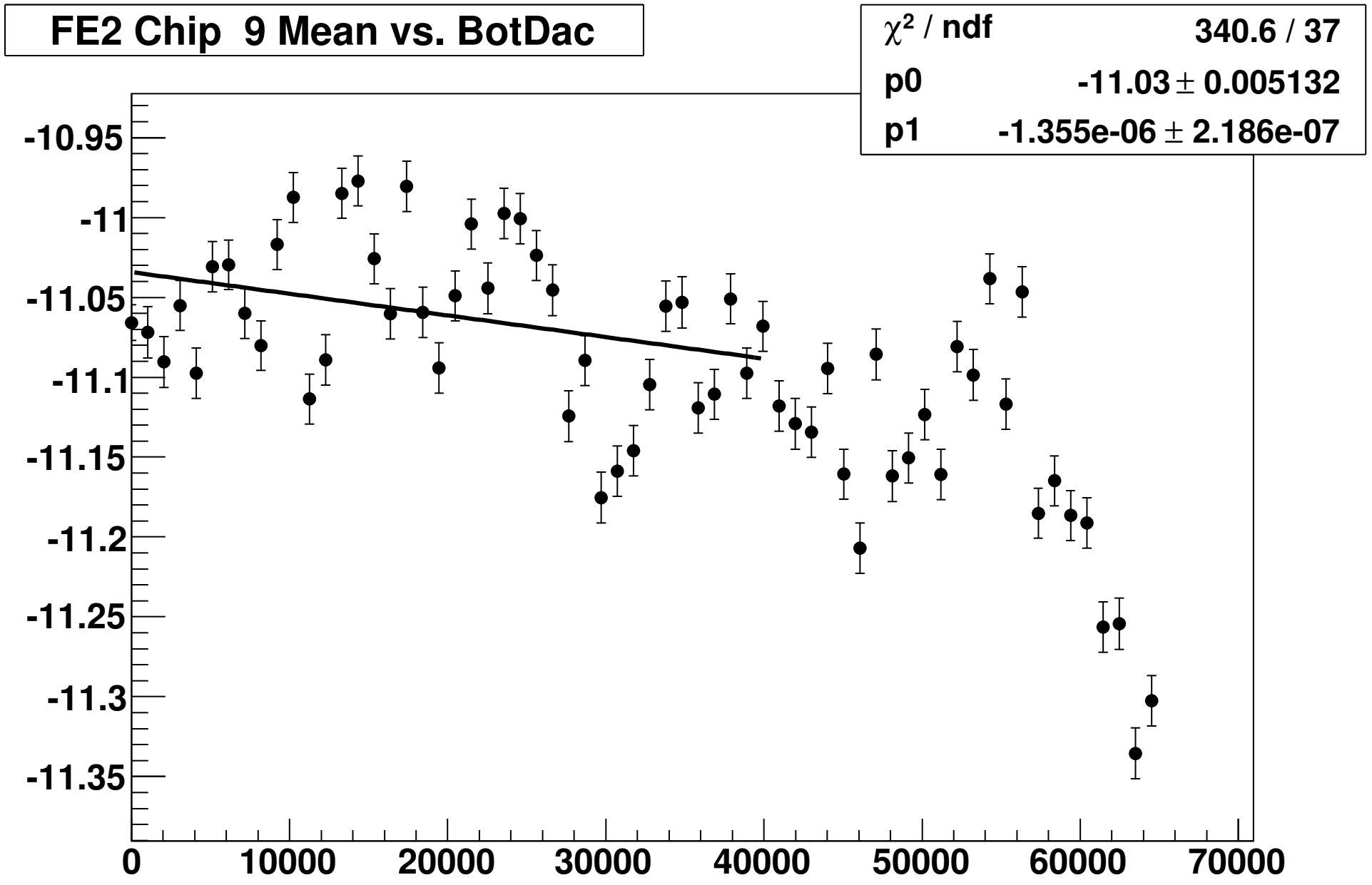

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 3.335e+04 / 37
p0 -15.43 ± 0.005166
p1 0.4522 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 818.9 / 37
p0 1.376 ± 0.002829
p1 3.502e-05 ± 2.04e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 340.6 / 37
p0 -11.03 ± 0.005132
p1 -1.355e-06 ± 2.186e-07
-10.95
-11
-11.05
-11.1
-11.15
-11.2
-11.25
-11.3
-11.35
0
10000
20000
30000
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50000
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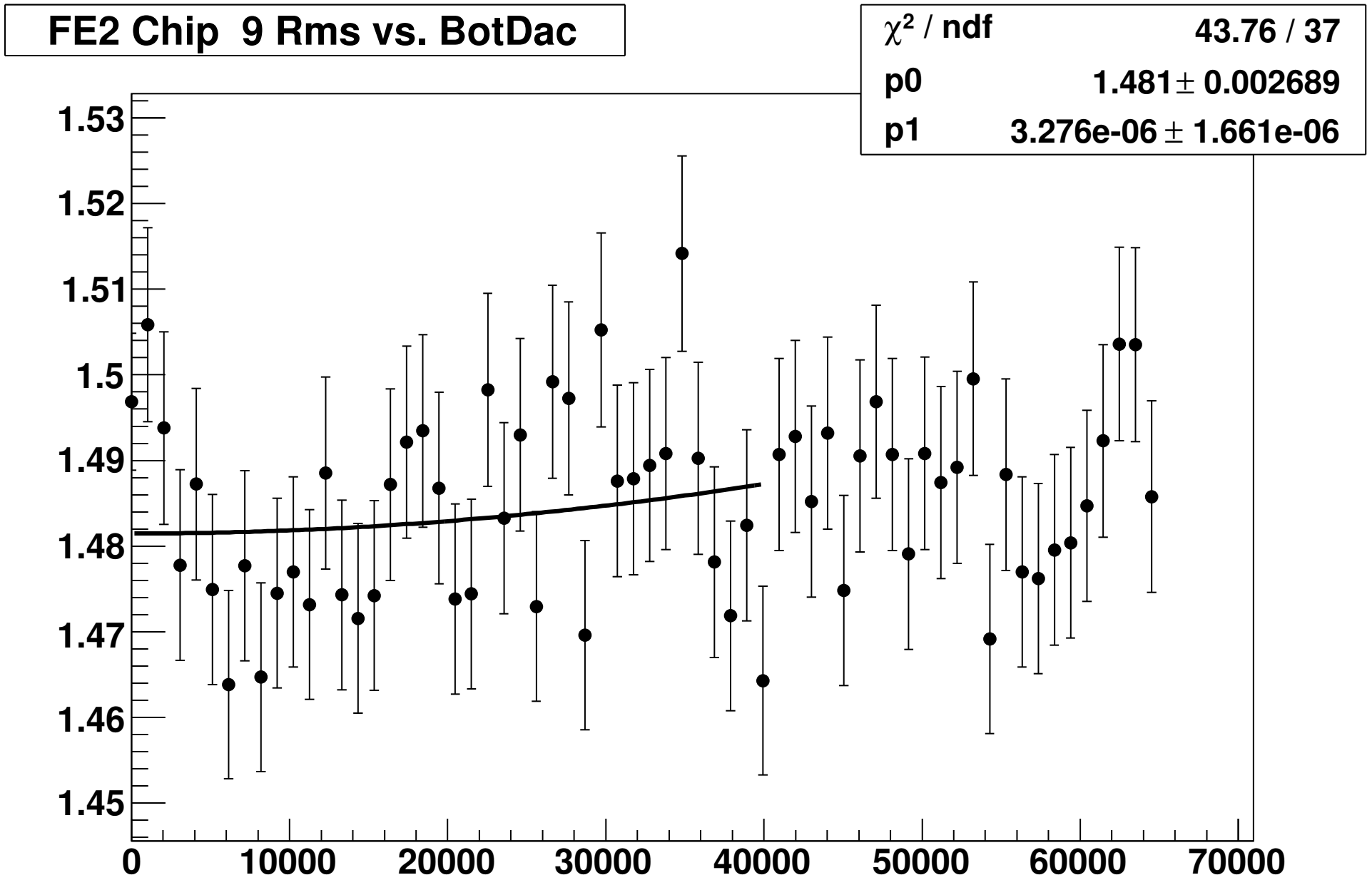
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 43.76 / 37
p0 1.481 ± 0.002689
p1 3.276e-06 ± 1.661e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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50000
60000
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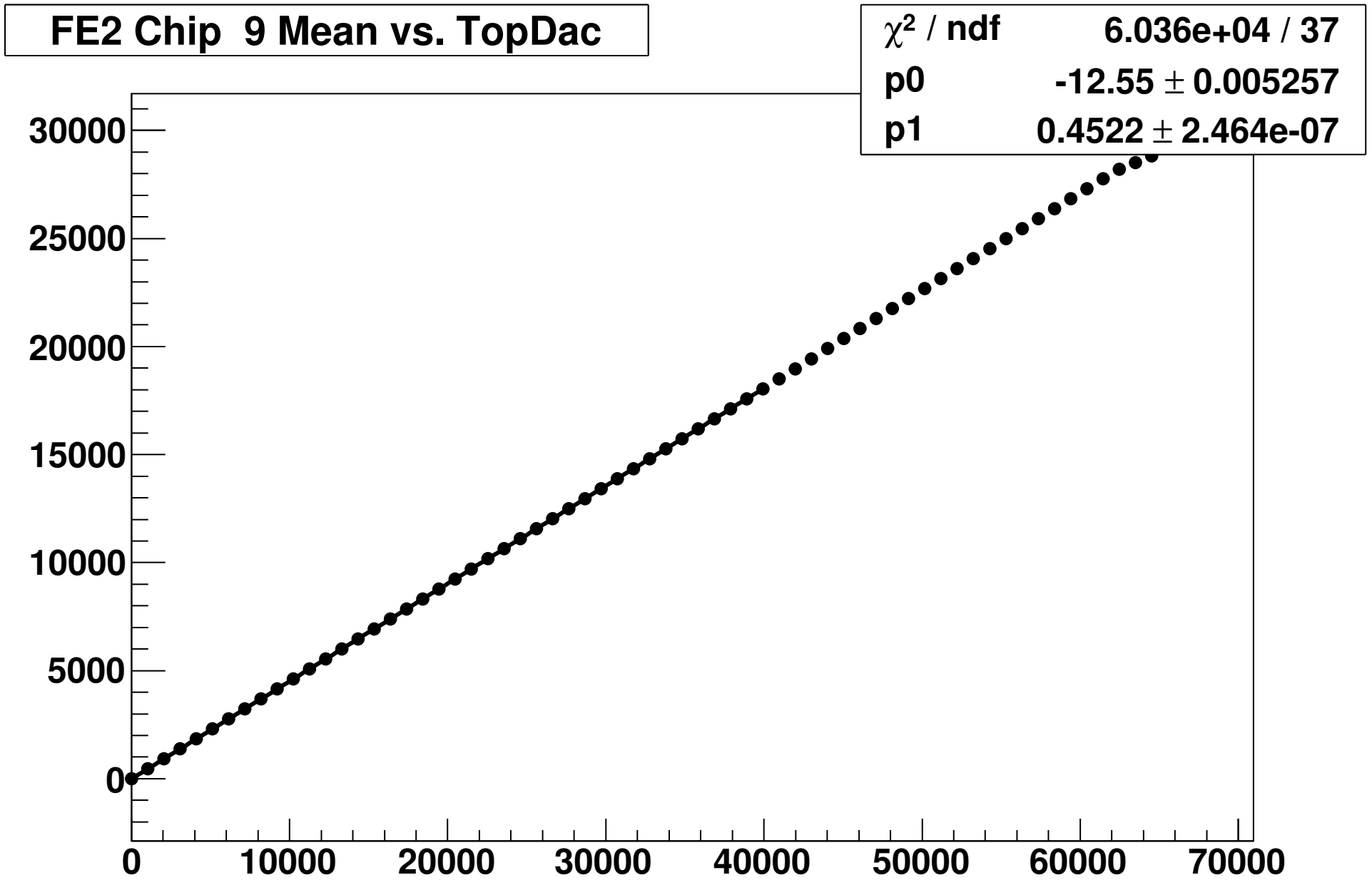
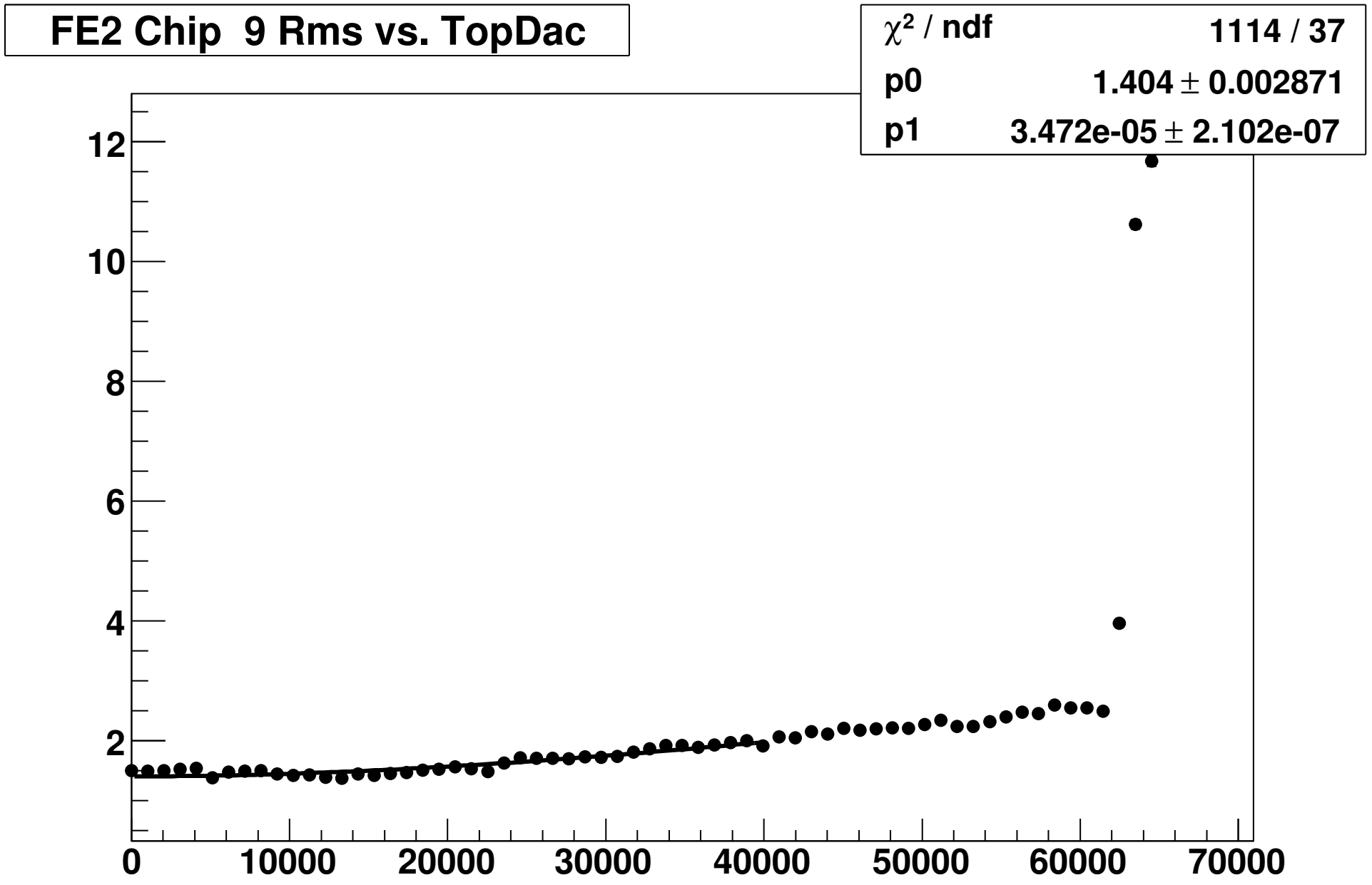
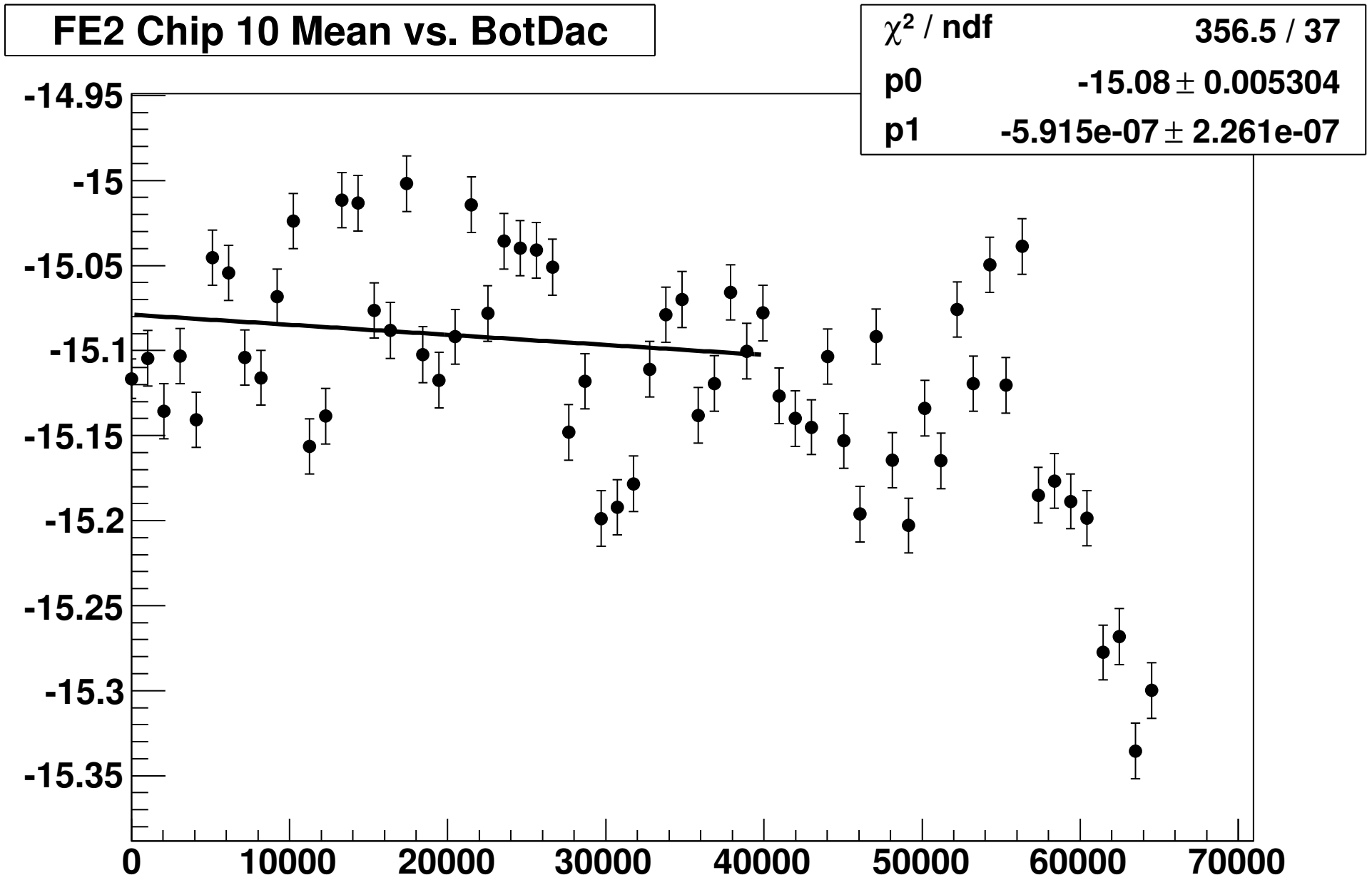

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 6.036e+04 / 37
p0 -12.55 ± 0.005257
p1 0.4522 ± 2.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1114 / 37
p0 1.404 ± 0.002871
p1 3.472e-05 ± 2.102e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 356.5 / 37
p0 -15.08 ± 0.005304
p1 -5.915e-07 ± 2.261e-07
-14.95
-15
-15.05
-15.1
-15.15
-15.2
-15.25
-15.3
-15.35
0
10000
20000
30000
40000
50000
60000
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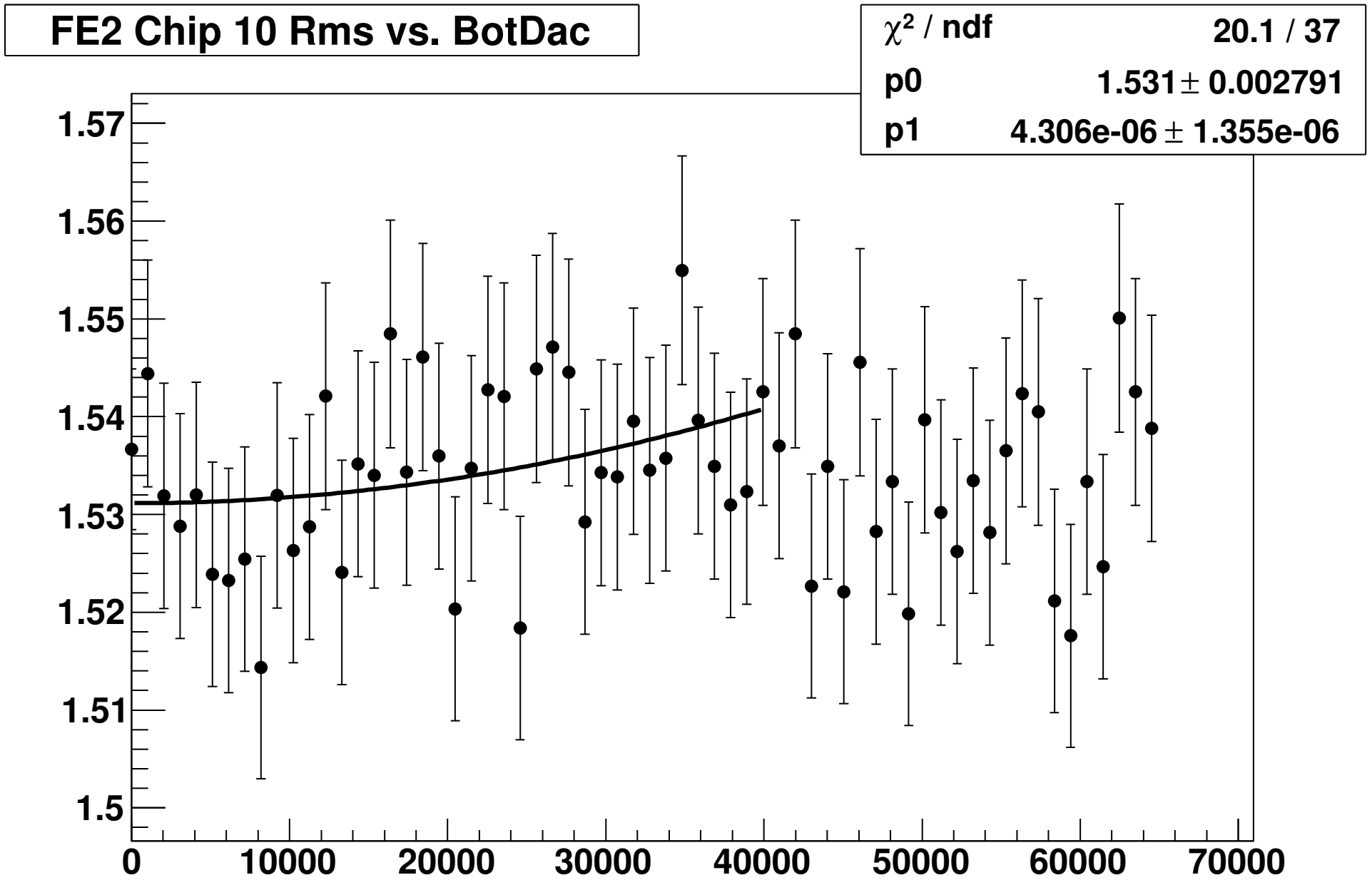
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 20.1 / 37
p0 1.531 ± 0.002791
p1 4.306e-06 ± 1.355e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
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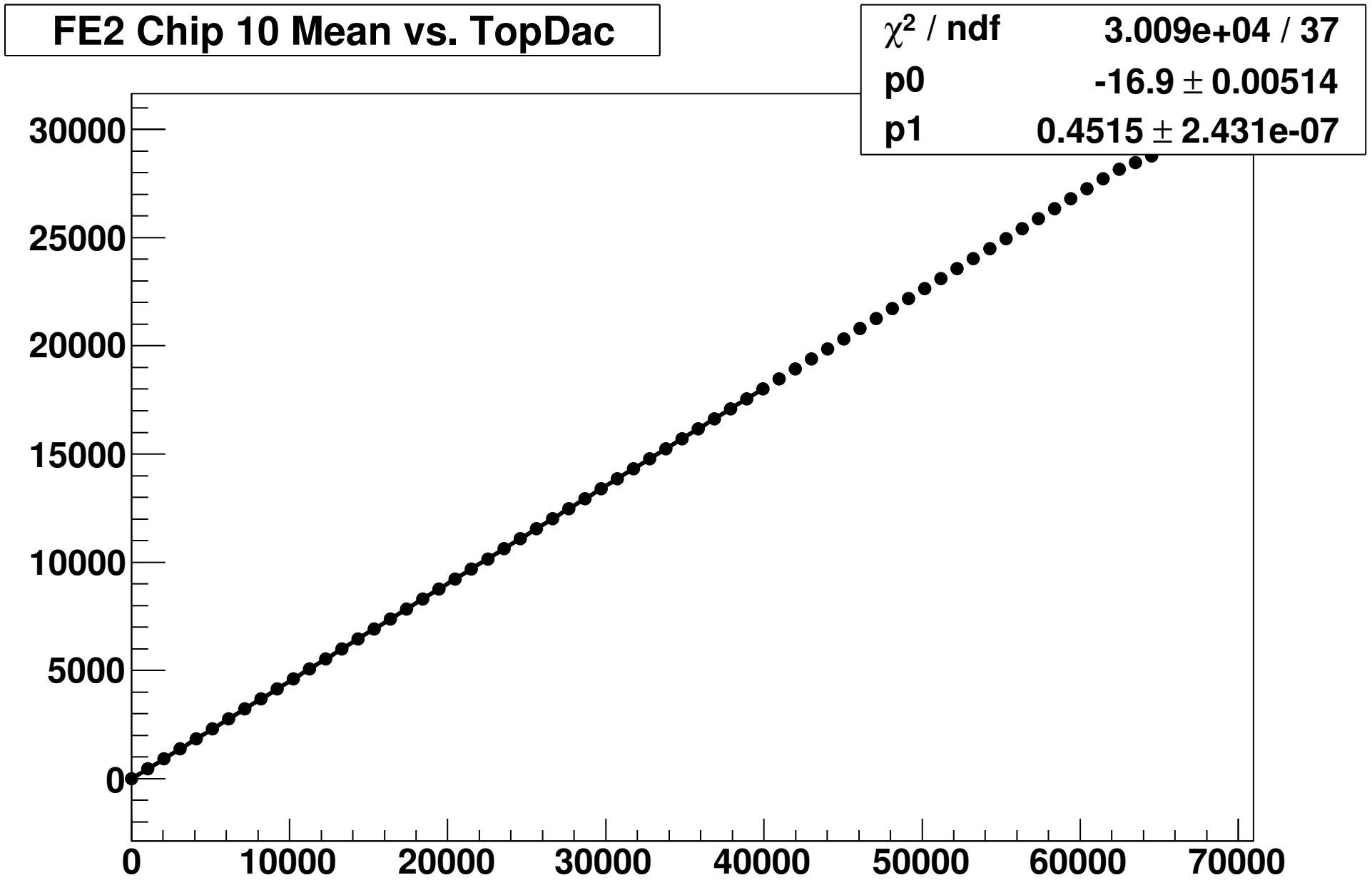
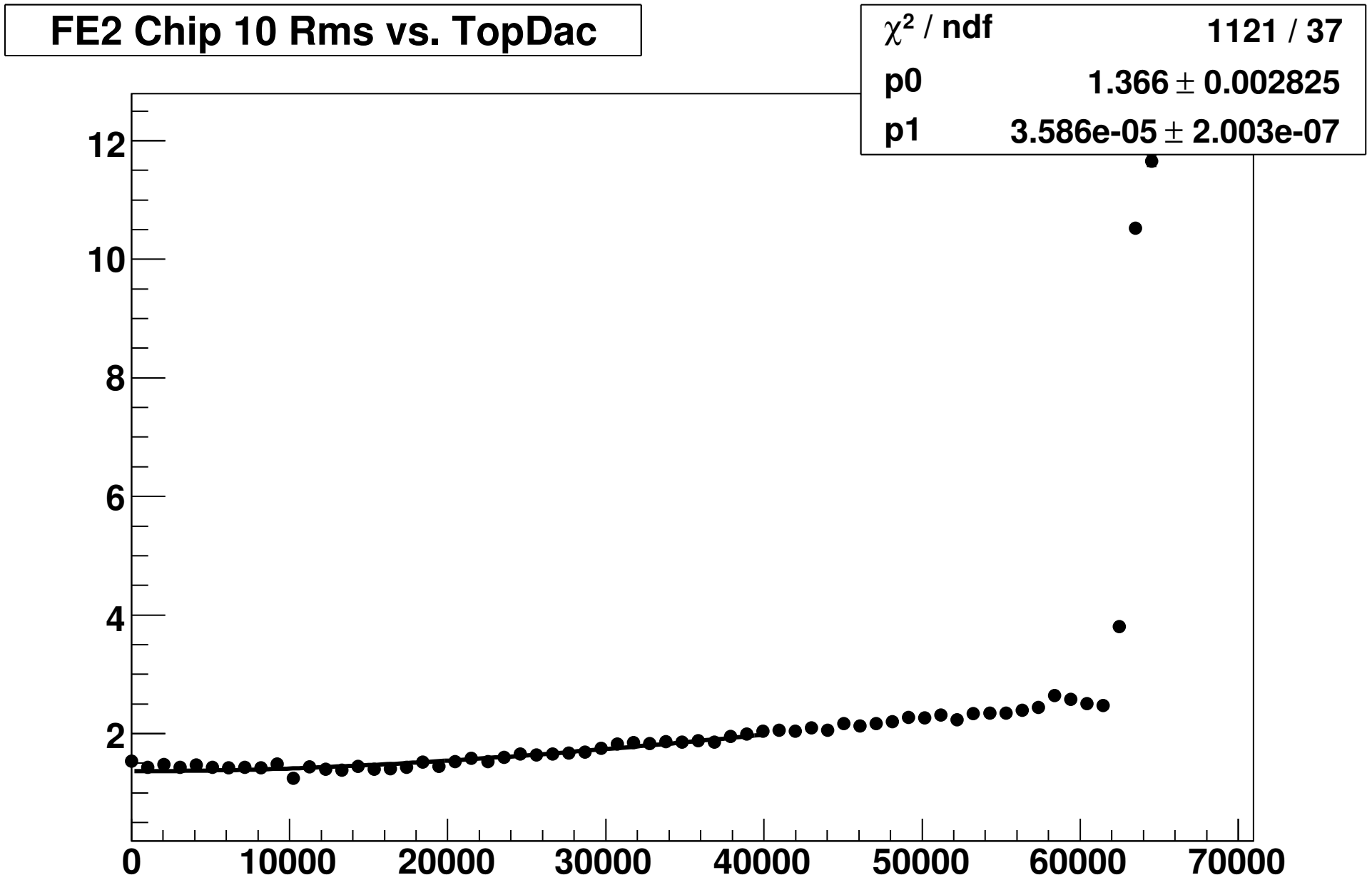
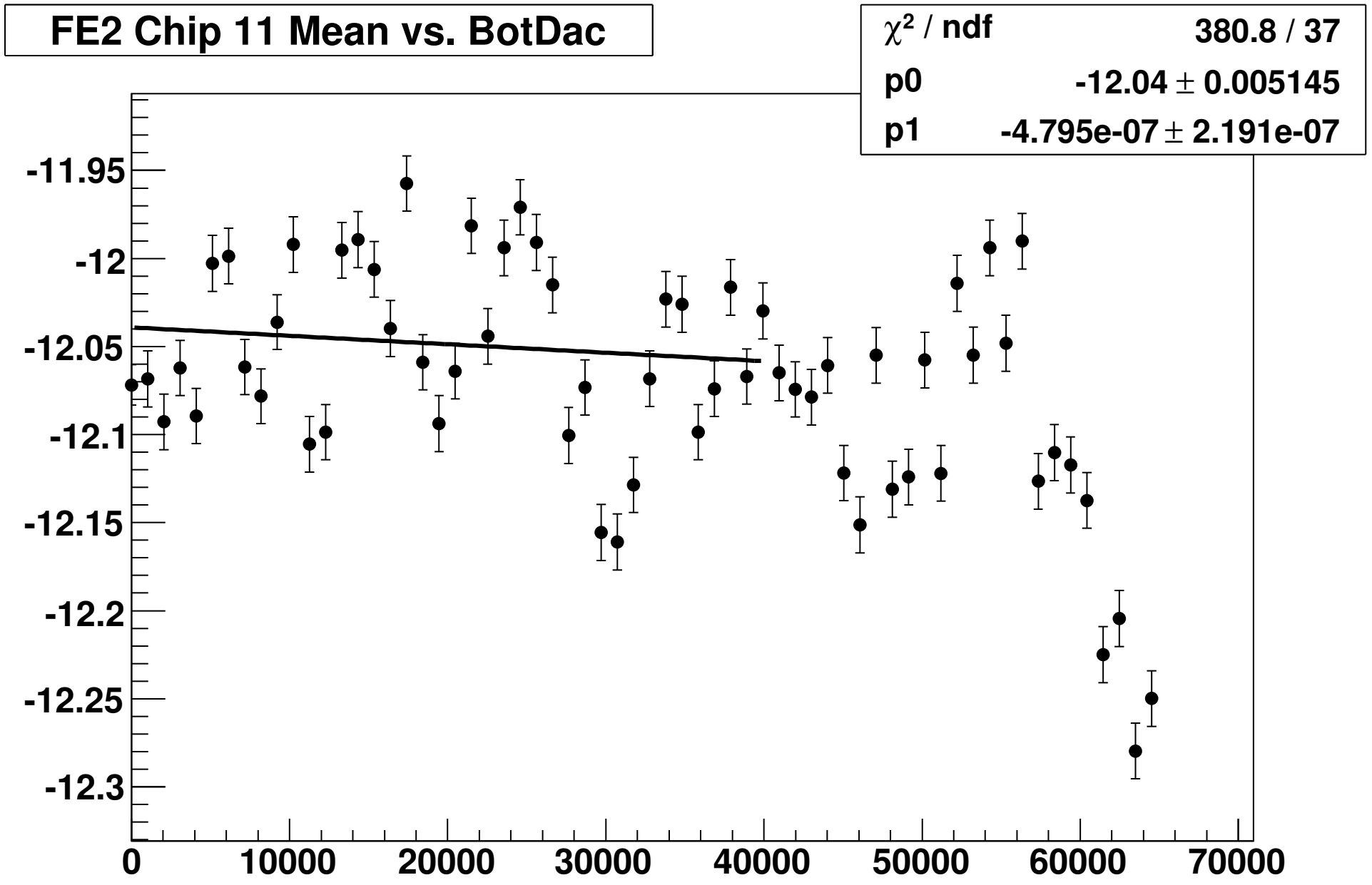
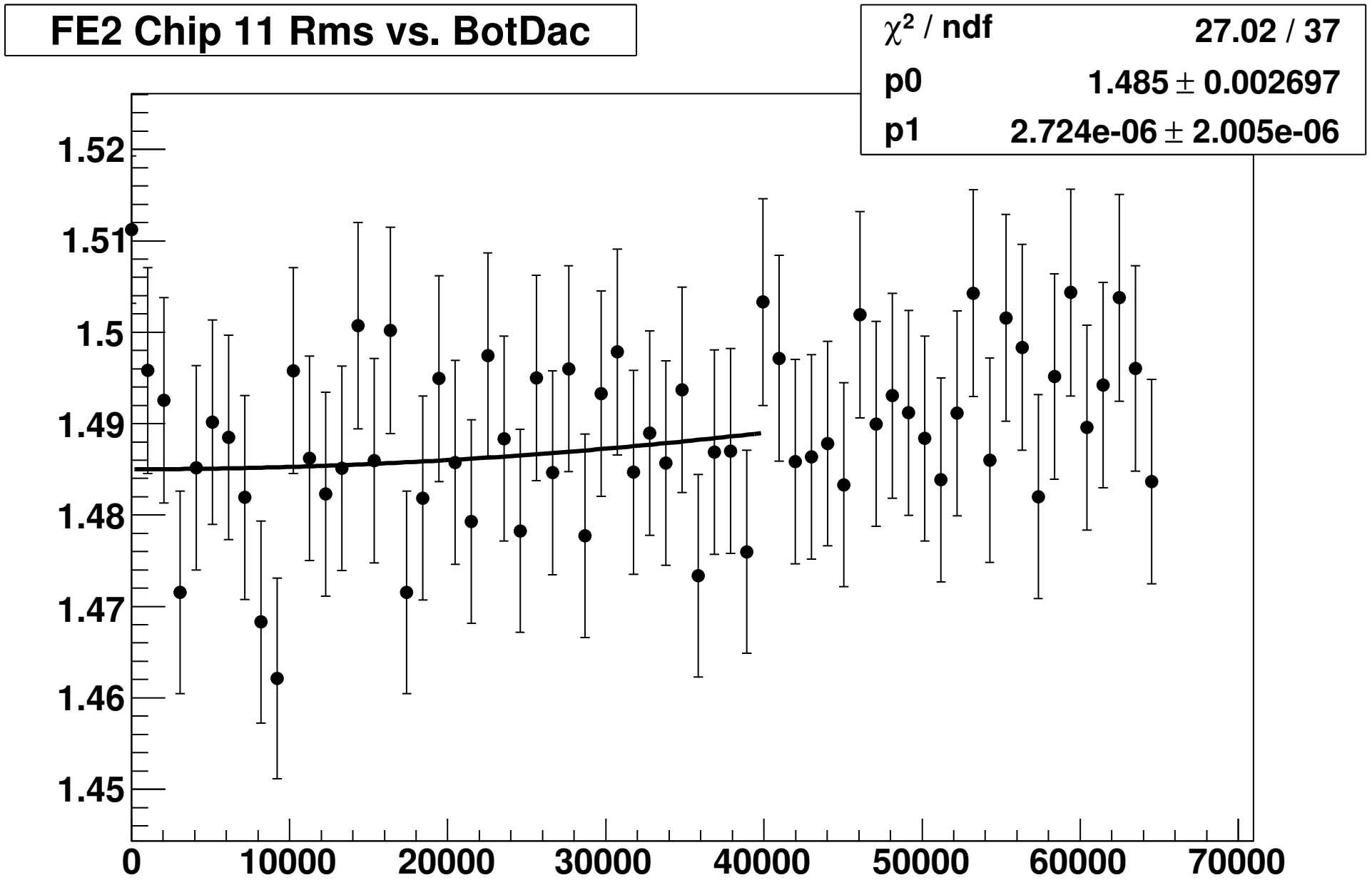
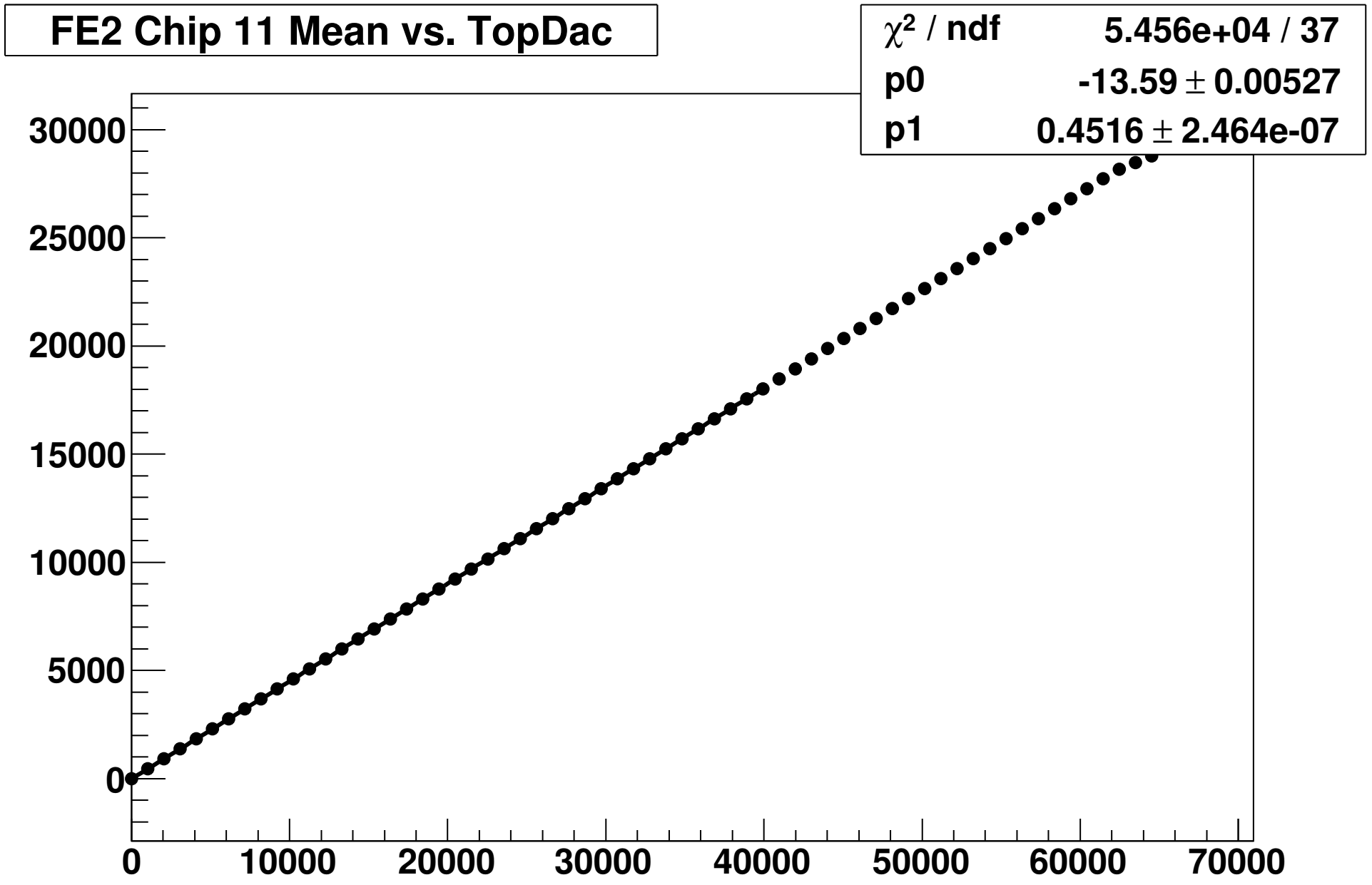
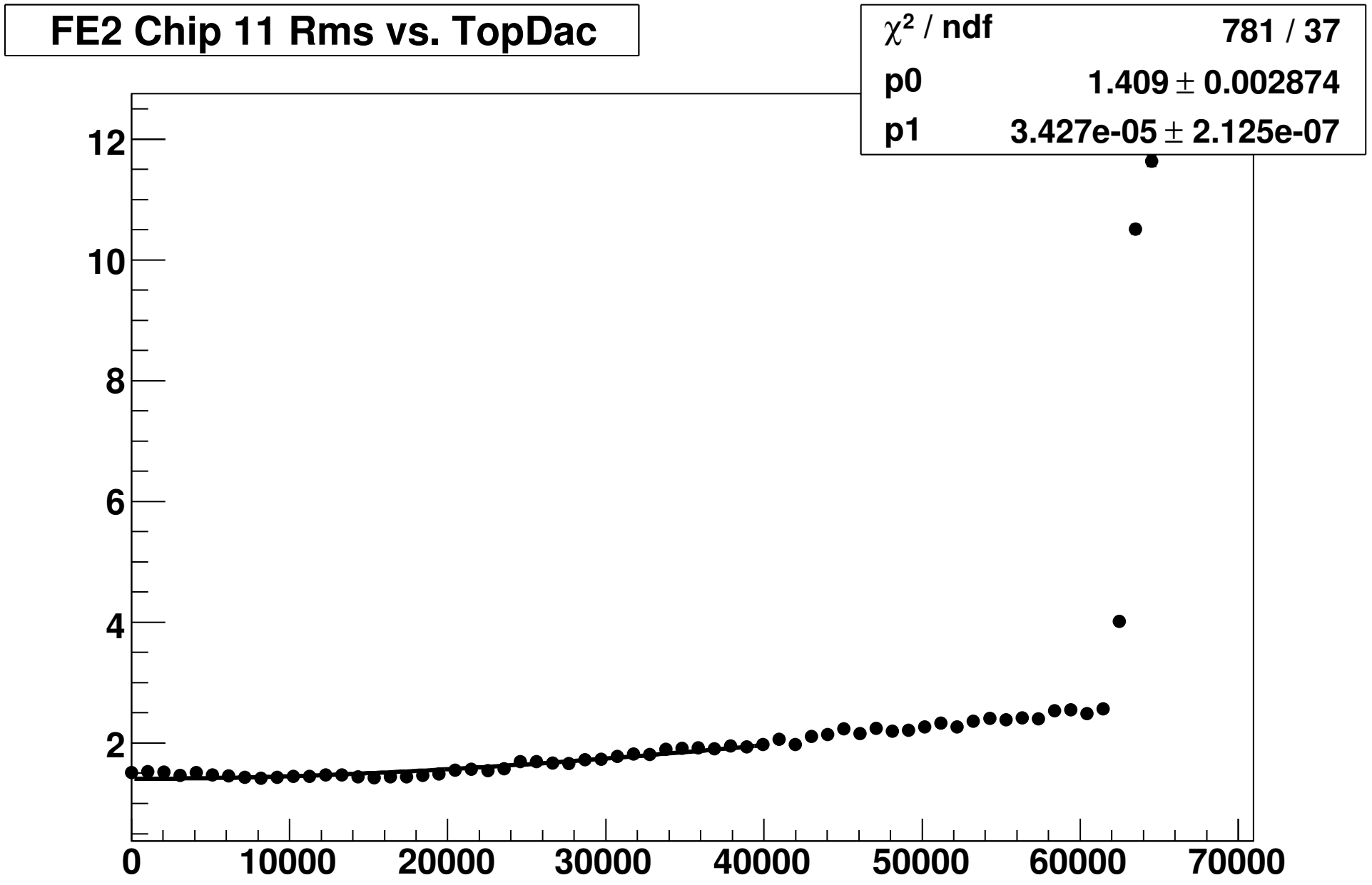

FE2 Chip 10 Mean vs. TopDac
χ² / ndf 3.009e+04 / 37
p0 -16.9 ± 0.00514
p1 0.4515 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

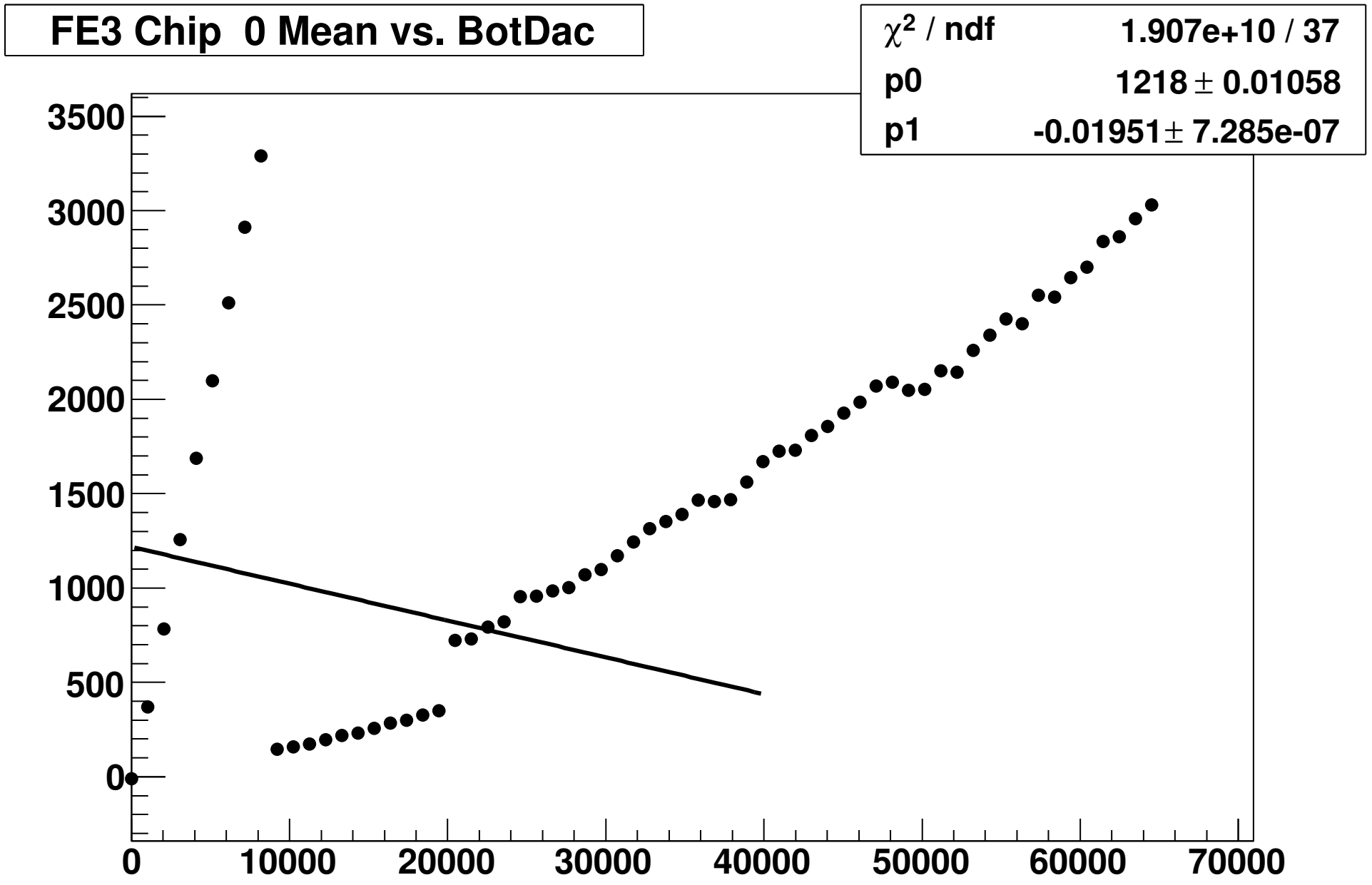

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 1121 / 37
p0 1.366 ± 0.002825
p1 3.586e-05 ± 2.003e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

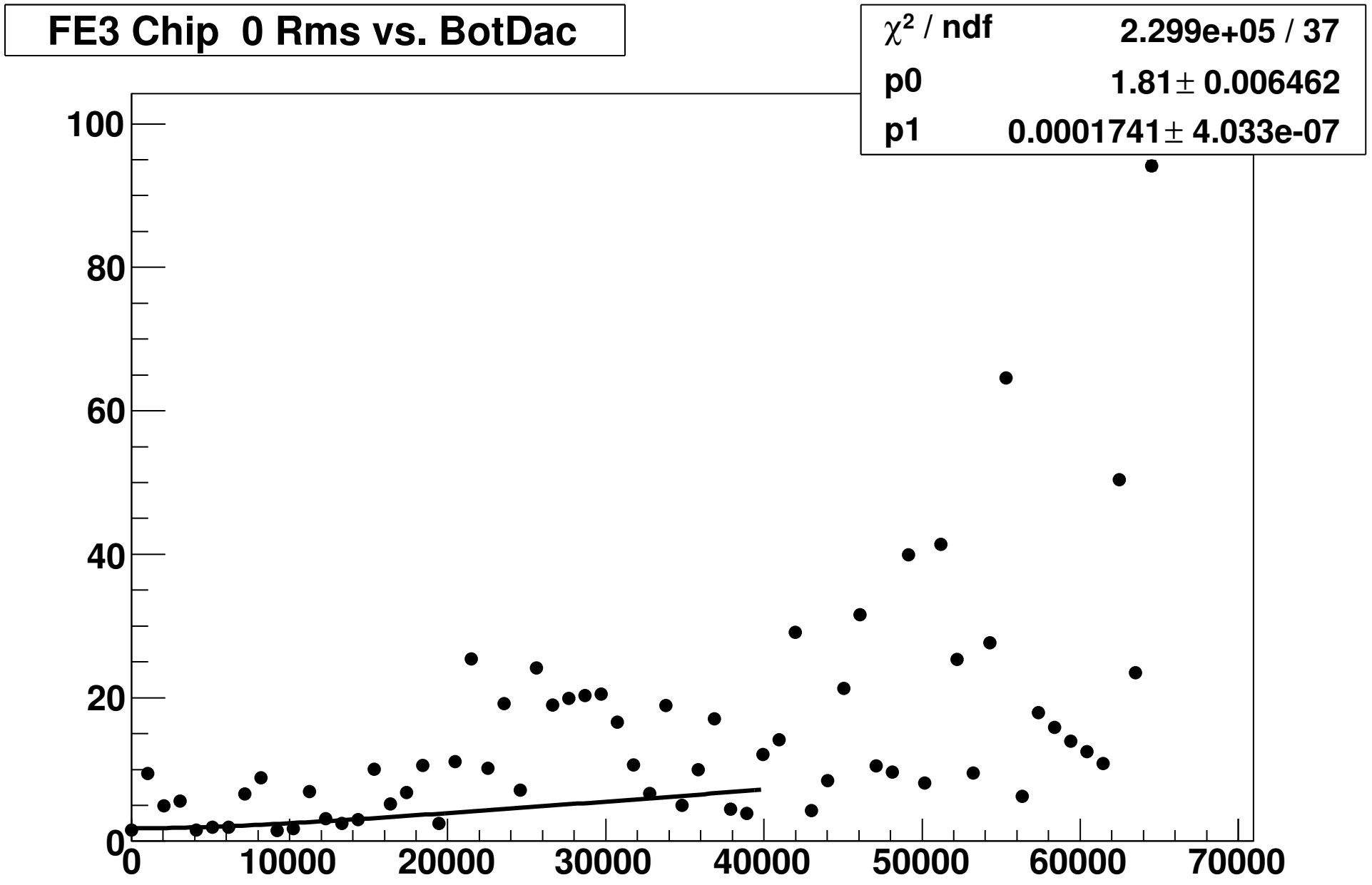

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 380.8 / 37
p0 -12.04 ± 0.005145
p1 -4.795e-07 ± 2.191e-07
-11.95
-12
-12.05
-12.1
-12.15
-12.2
-12.25
-12.3
0
10000
20000
30000
40000
50000
60000
70000

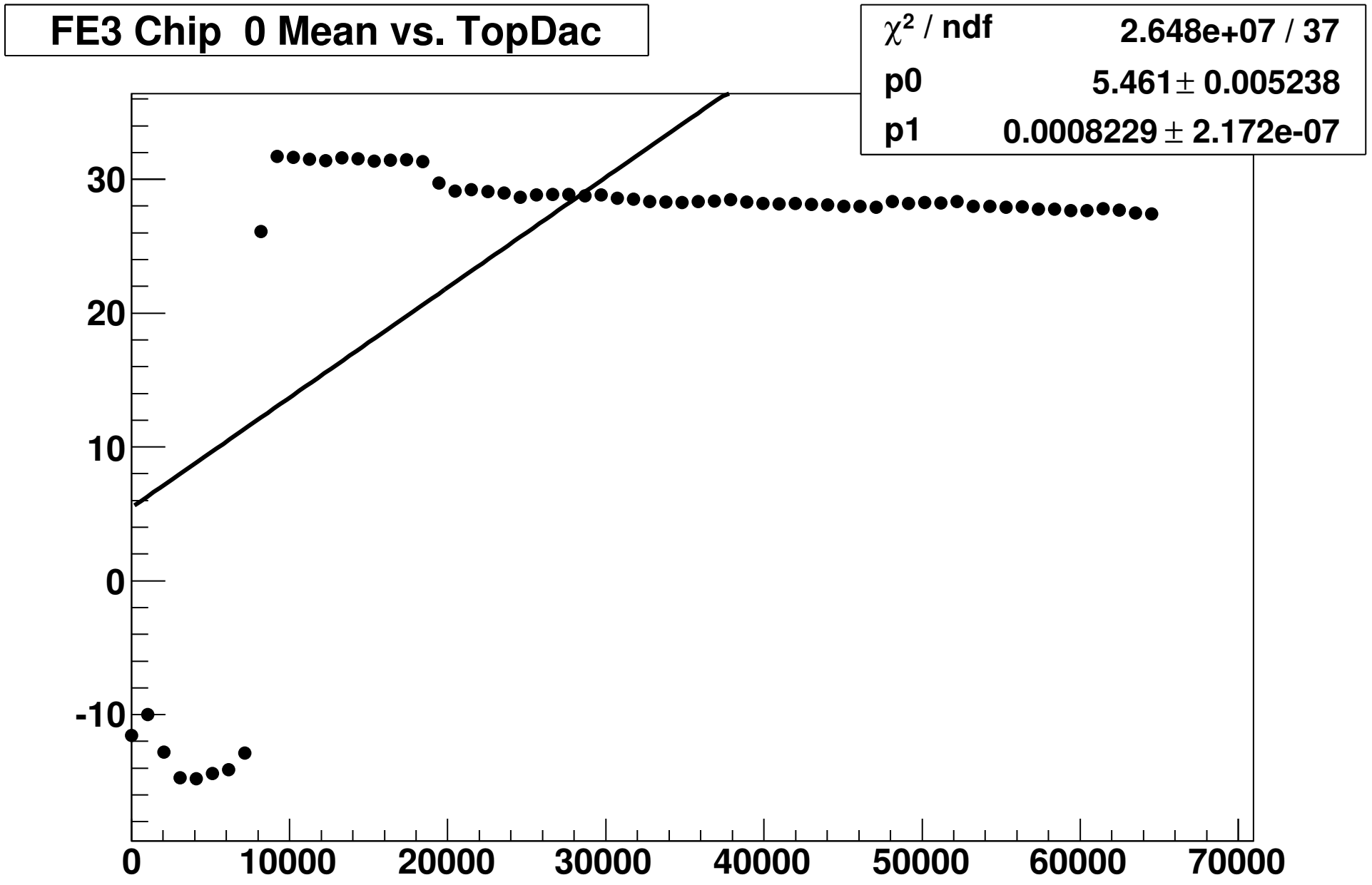

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 27.02 / 37
p0 1.485 ± 0.002697
p1 2.724e-06 ± 2.005e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

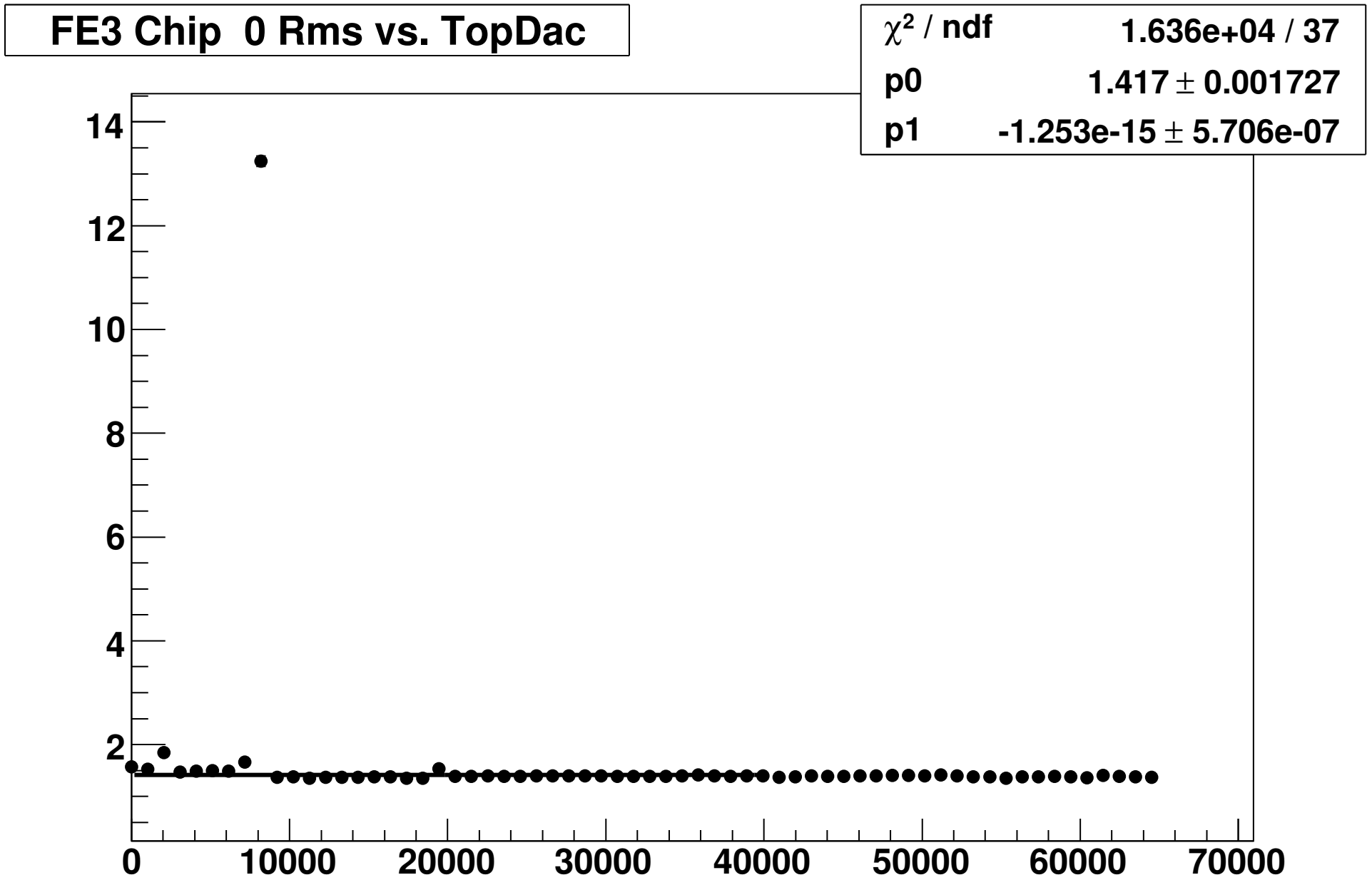

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 5.456e+04 / 37
p0 -13.59 ± 0.00527
p1 0.4516 ± 2.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

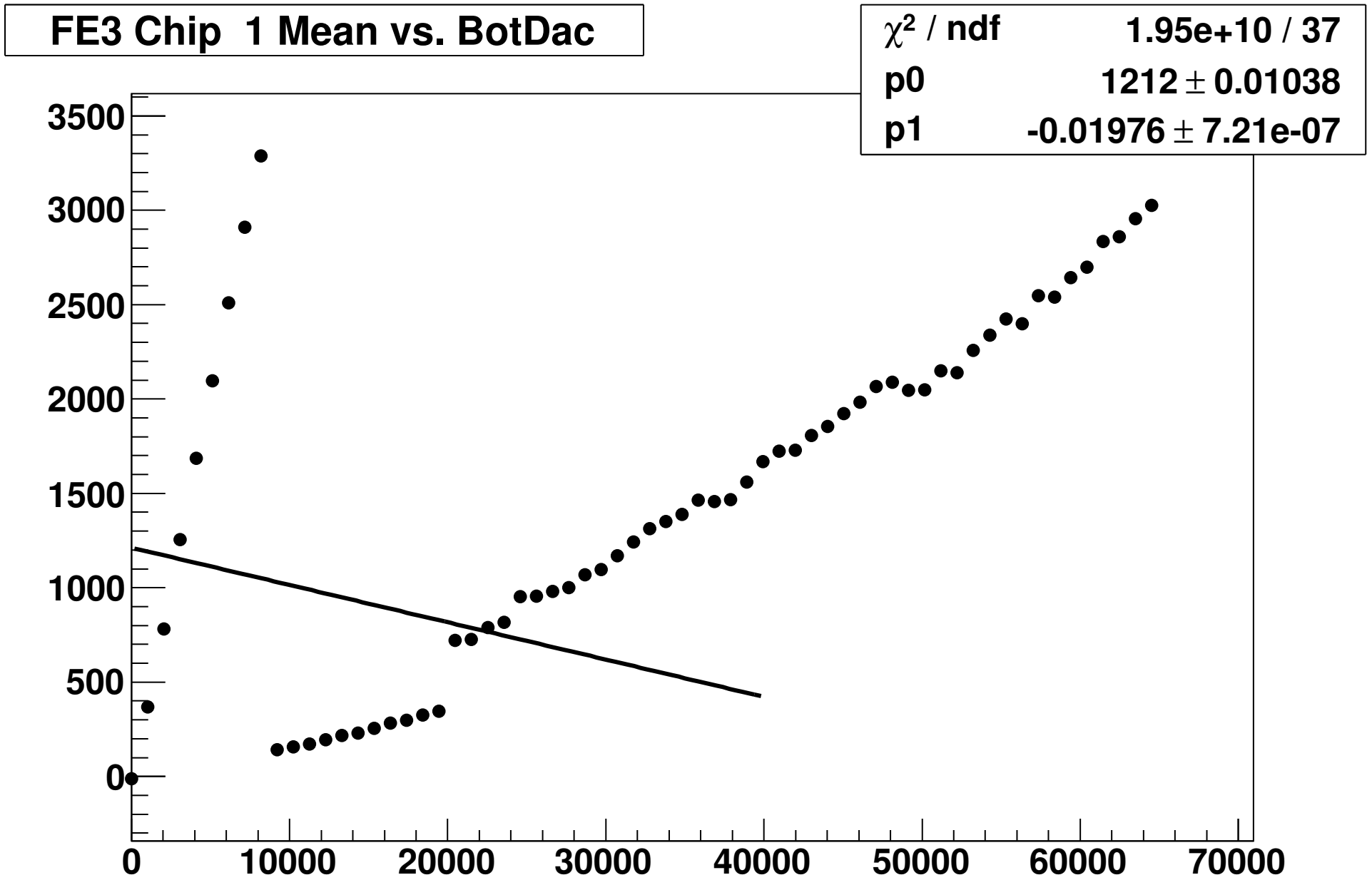

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 781 / 37
p0 1.409 ± 0.002874
p1 3.427e-05 ± 2.125e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

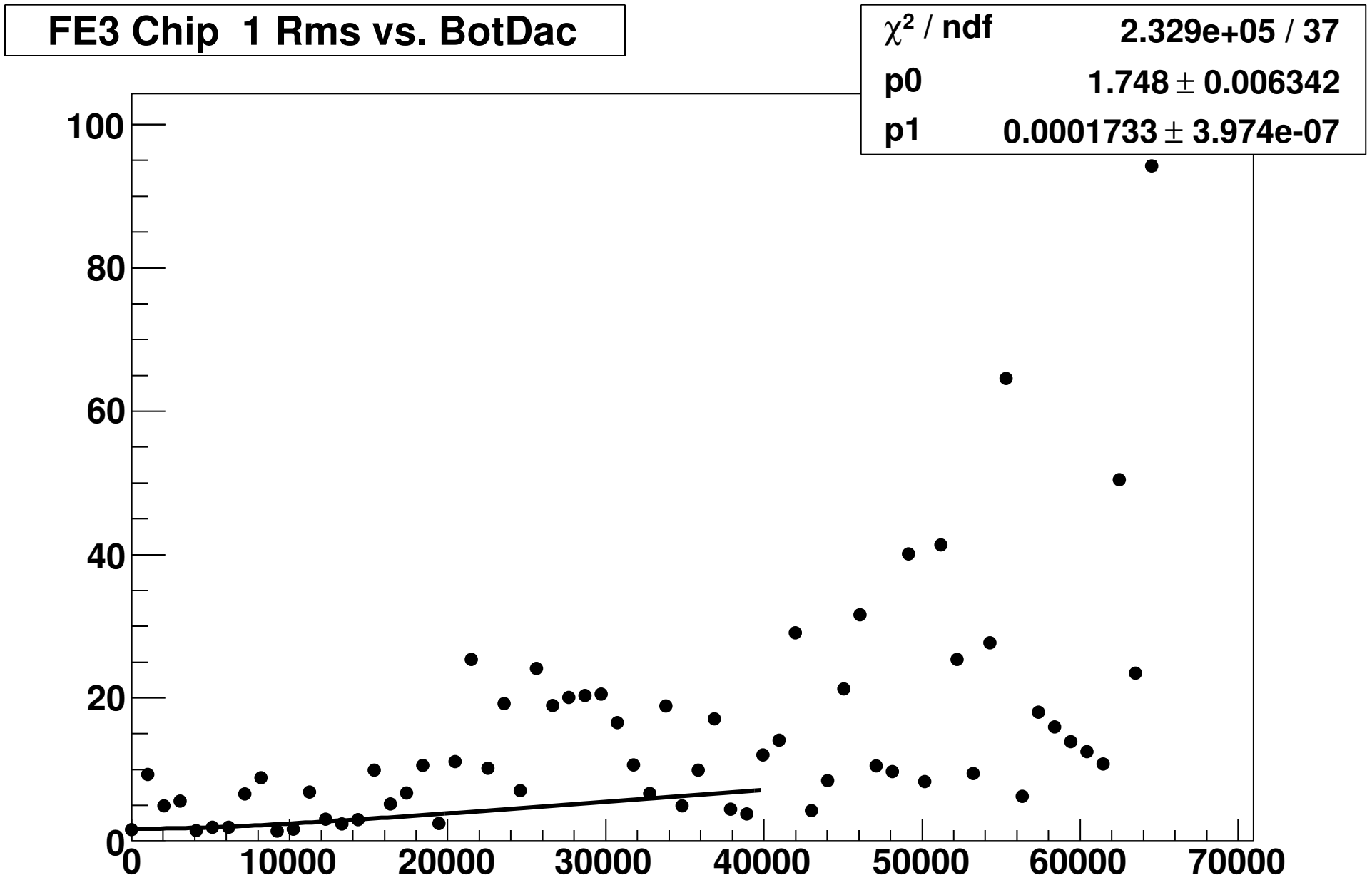

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.907e+10 / 37
p0 1218 ± 0.01058
p1 -0.01951 ± 7.285e-07
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

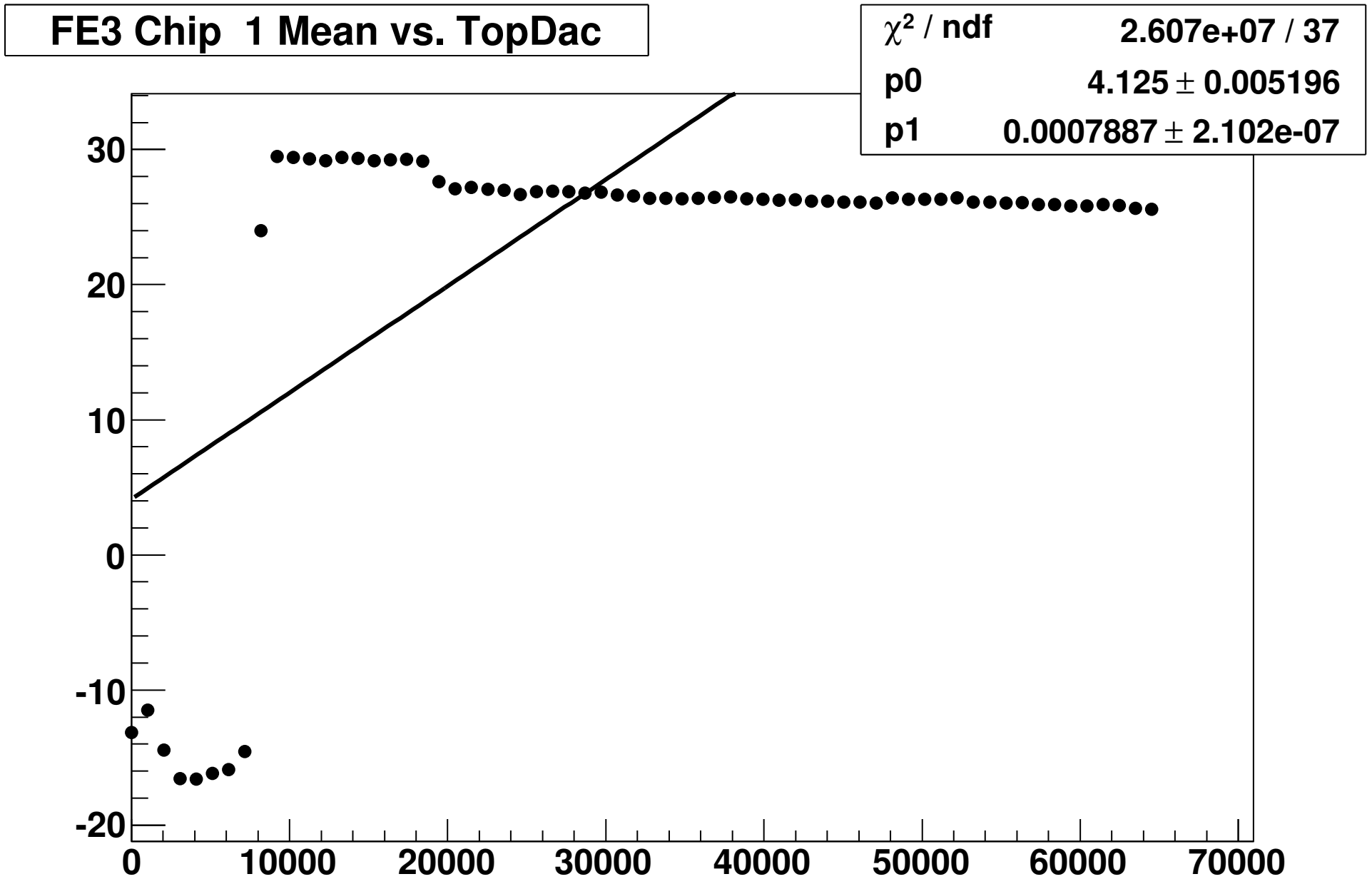

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 2.299e+05 / 37
p0 1.81 ± 0.006462
p1 0.0001741 ± 4.033e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

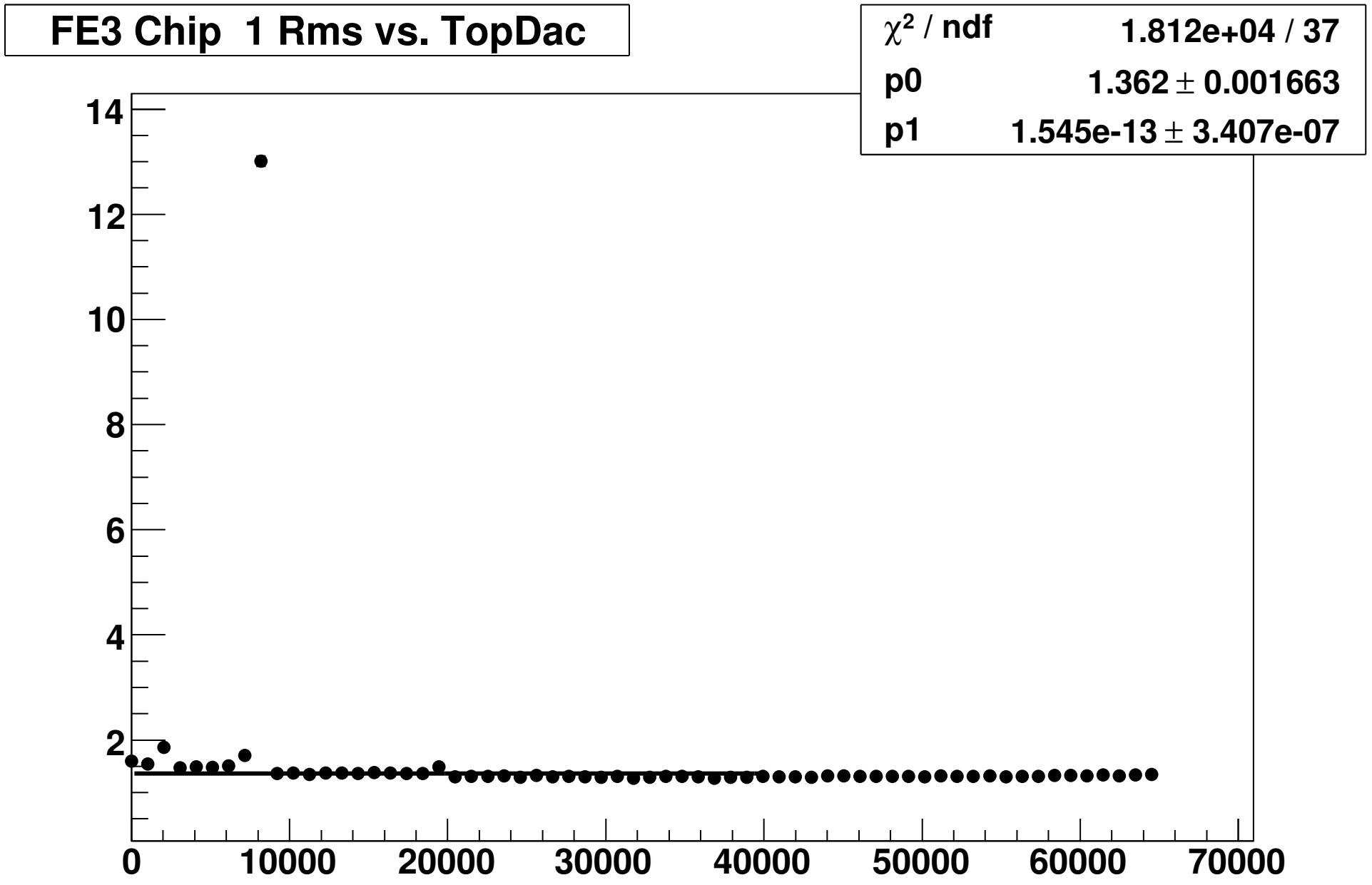

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 2.648e+07 / 37
p0 5.461 ± 0.005238
p1 0.0008229 ± 2.172e-07
30
20
10
0
-10
0
10000
20000
30000
40000
50000
60000
70000

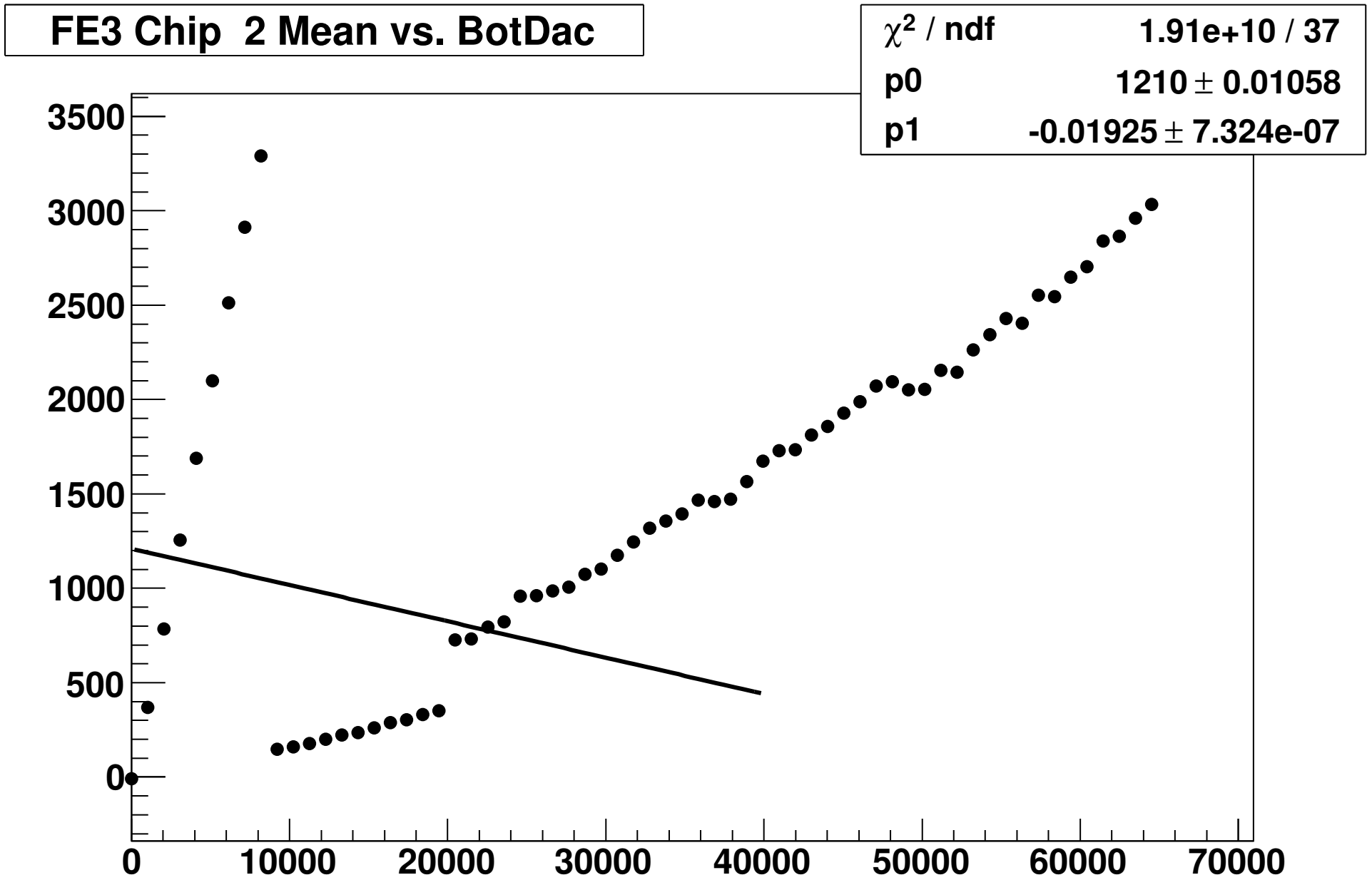

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 1.636e+04 / 37
p0 1.417 ± 0.001727
p1 -1.253e-15 ± 5.706e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

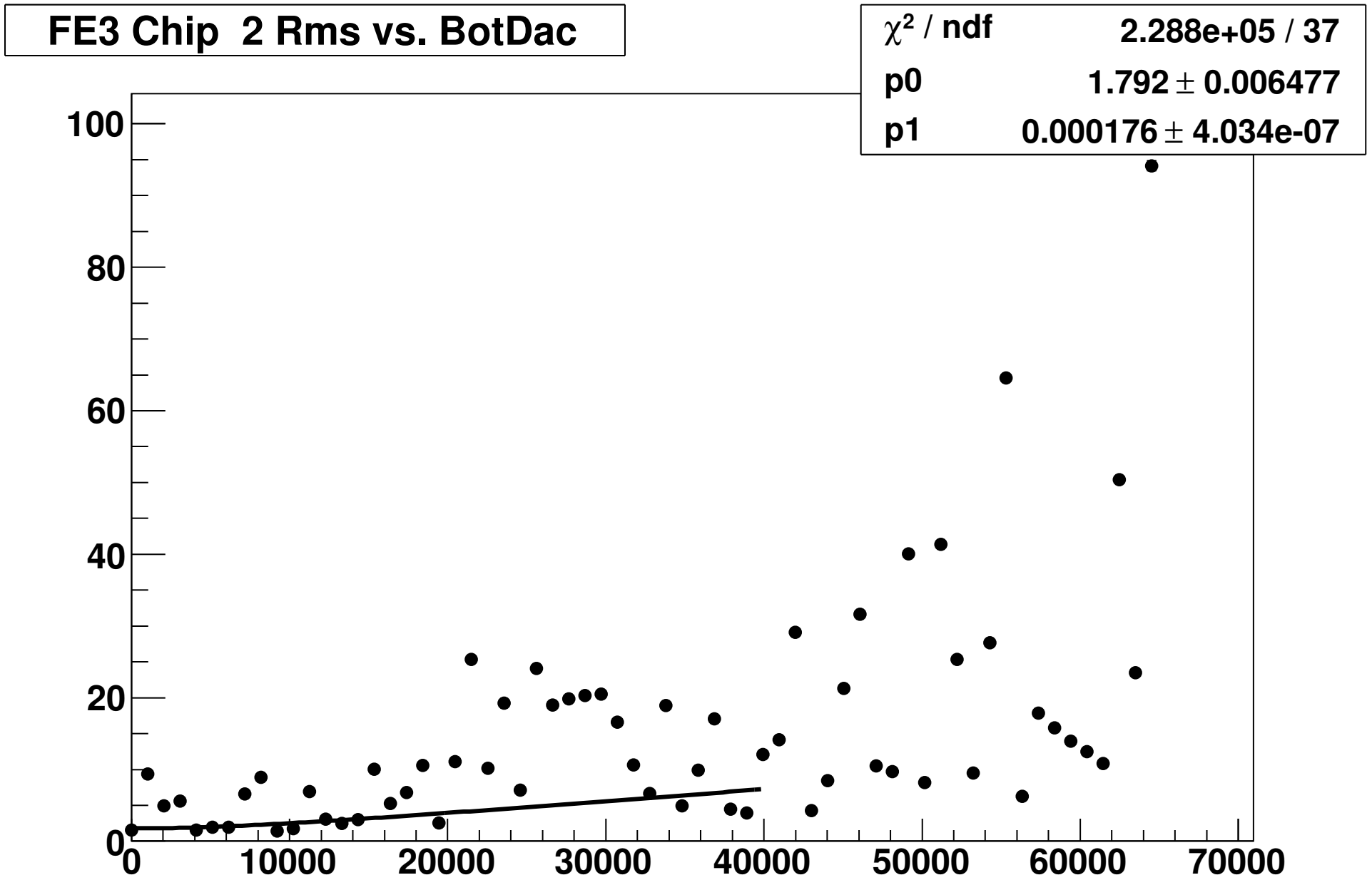

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.95e+10 / 37
p0 1212 ± 0.01038
p1 -0.01976 ± 7.21e-07
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

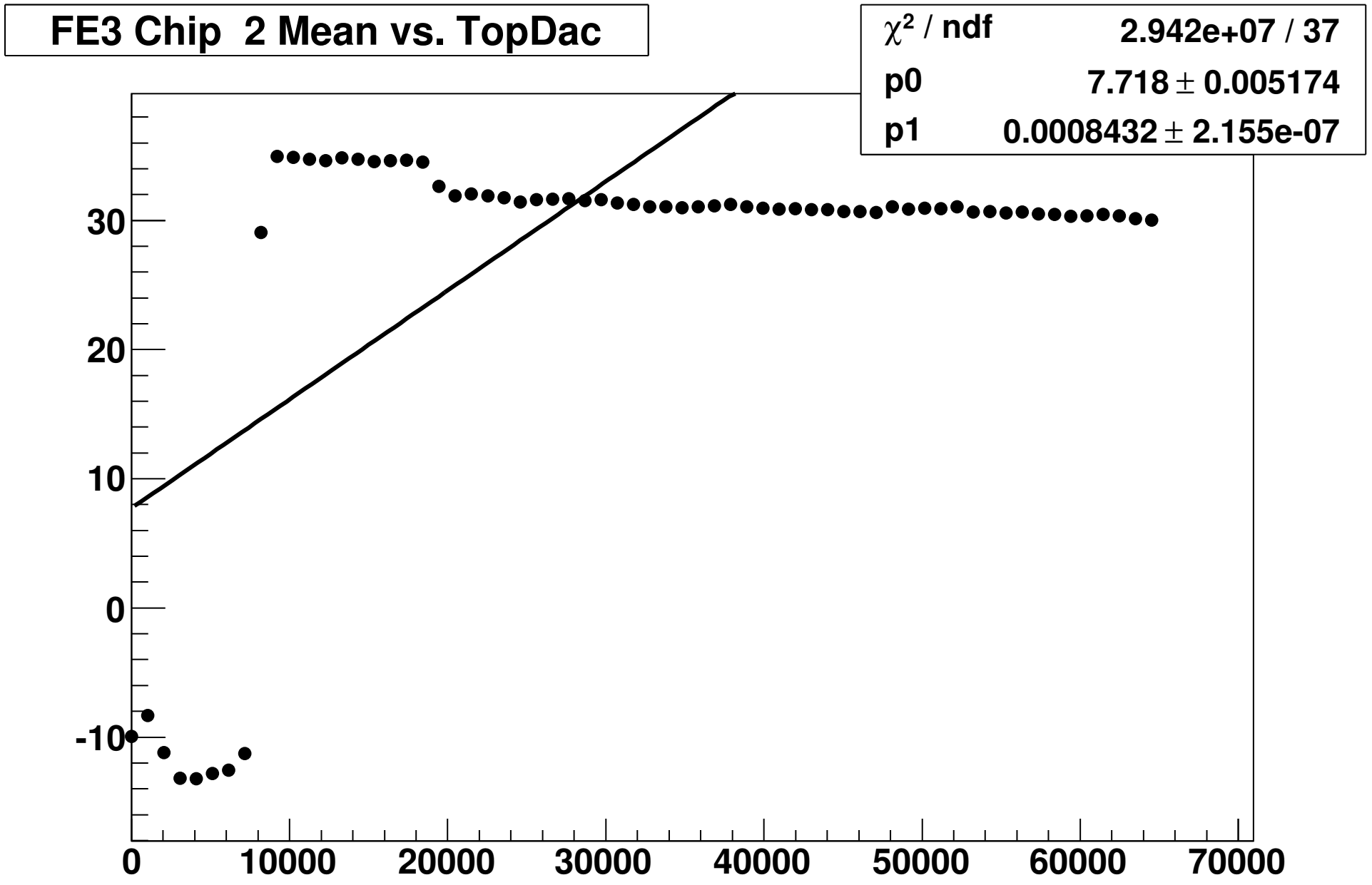

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 2.329e+05 / 37
p0 1.748 ± 0.006342
p1 0.0001733 ± 3.974e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

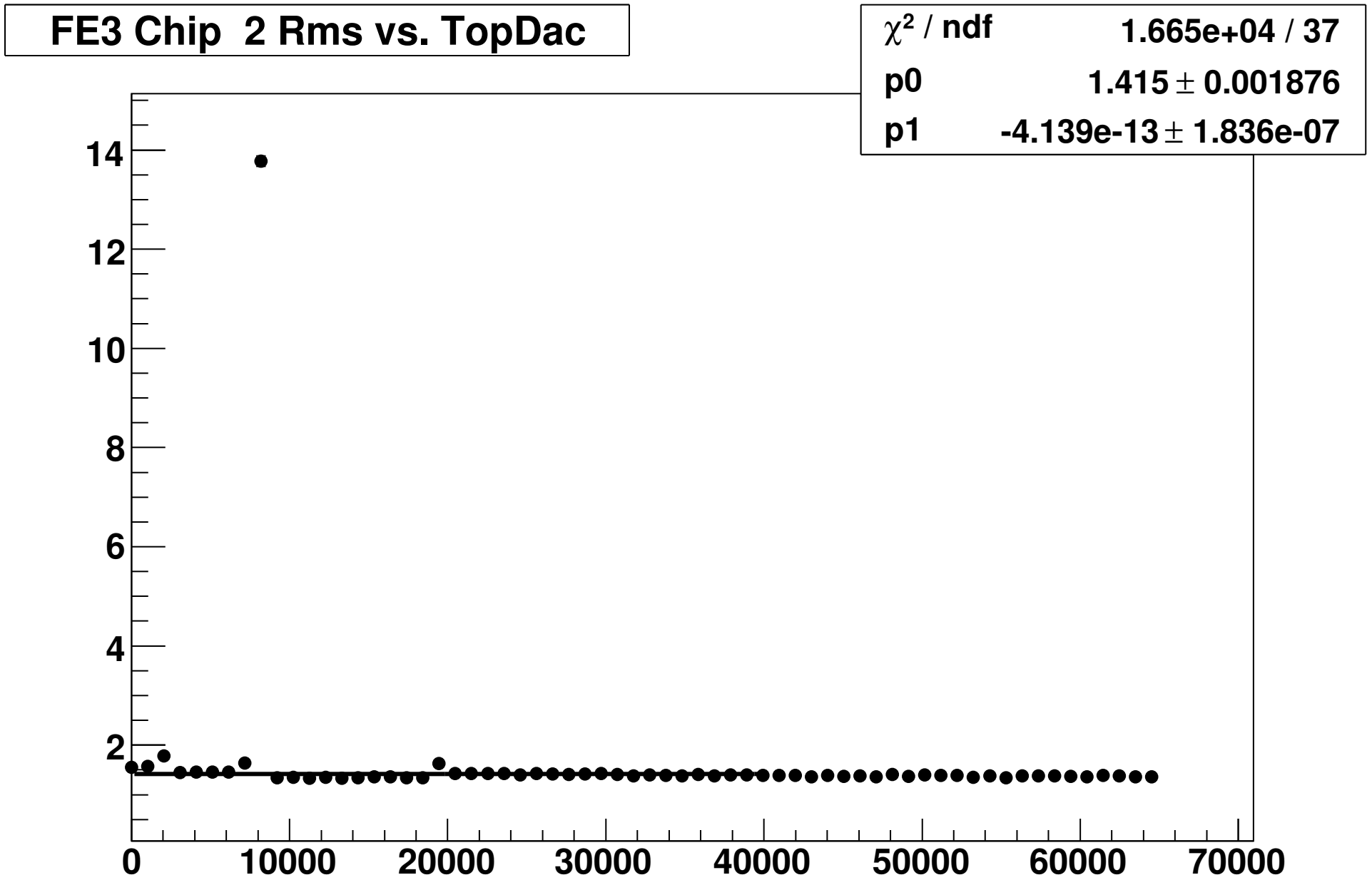

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 2.607e+07 / 37
p0 4.125 ± 0.005196
p1 0.0007887 ± 2.102e-07
30
20
10
0
-10
-20
0
10000
20000
30000
40000
50000
60000
70000

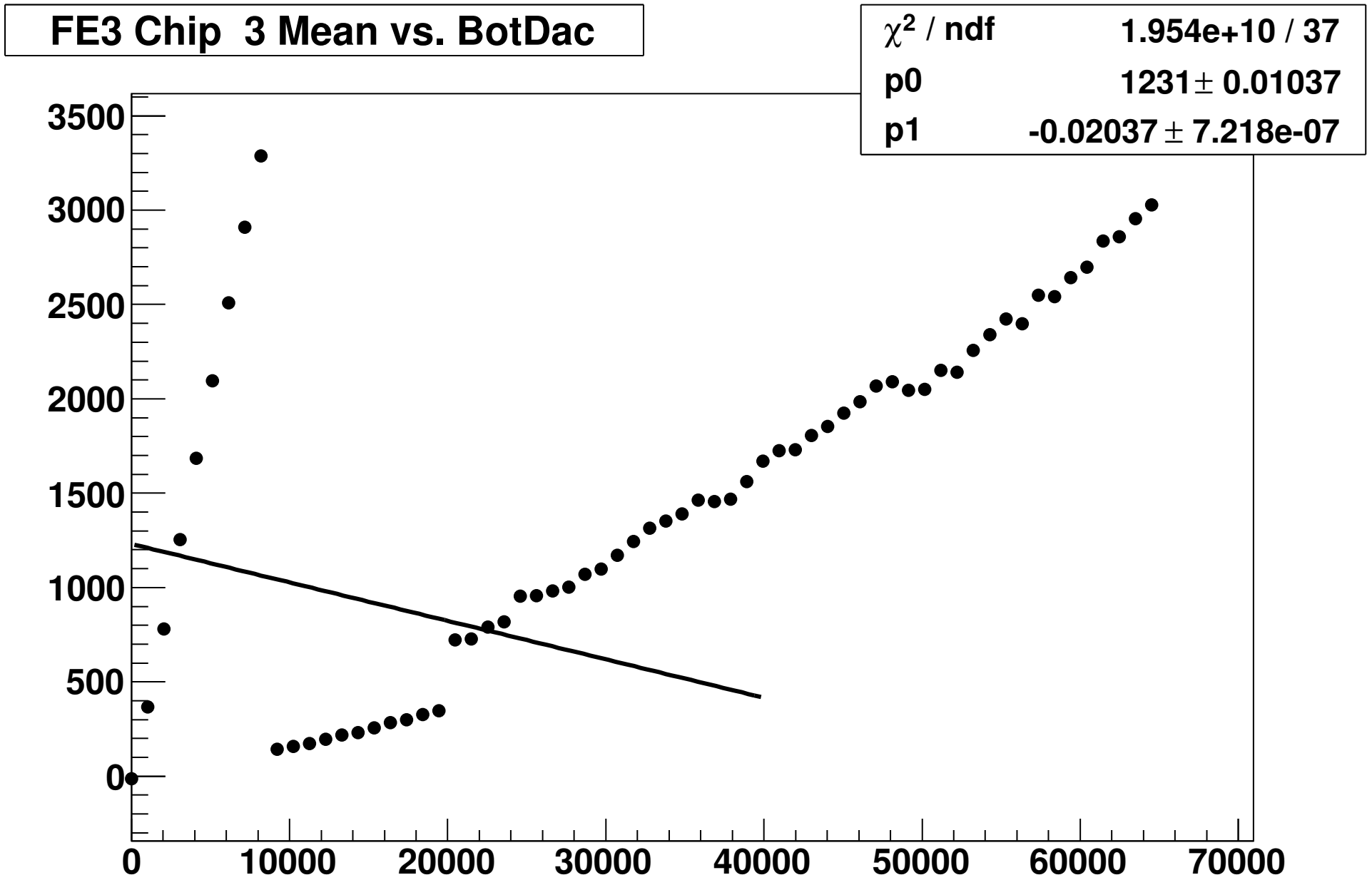

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 1.812e+04 / 37
p0 1.362 ± 0.001663
p1 1.545e-13 ± 3.407e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

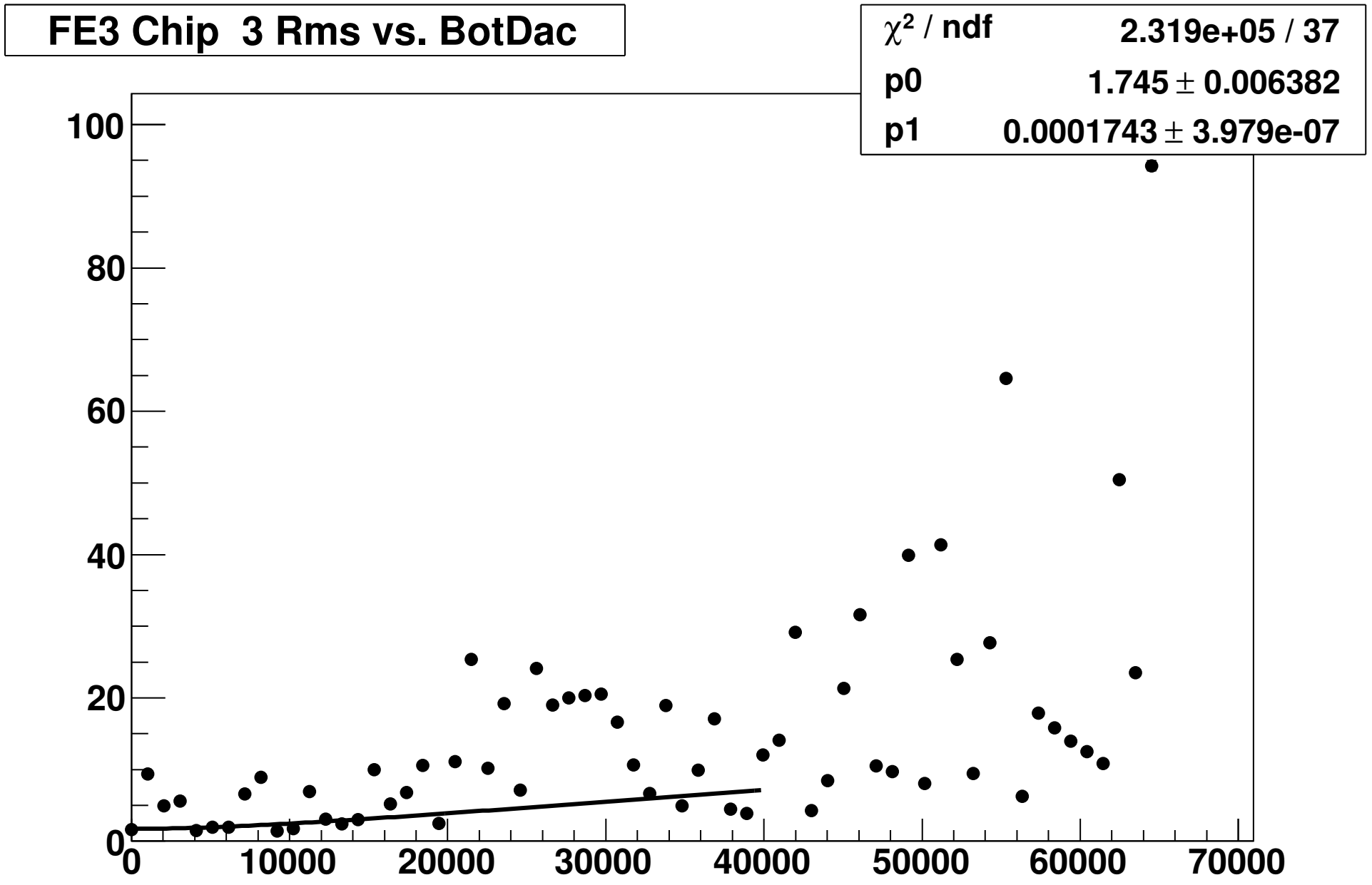

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.91e+10 / 37
p0 1210 ± 0.01058
p1 -0.01925 ± 7.324e-07
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

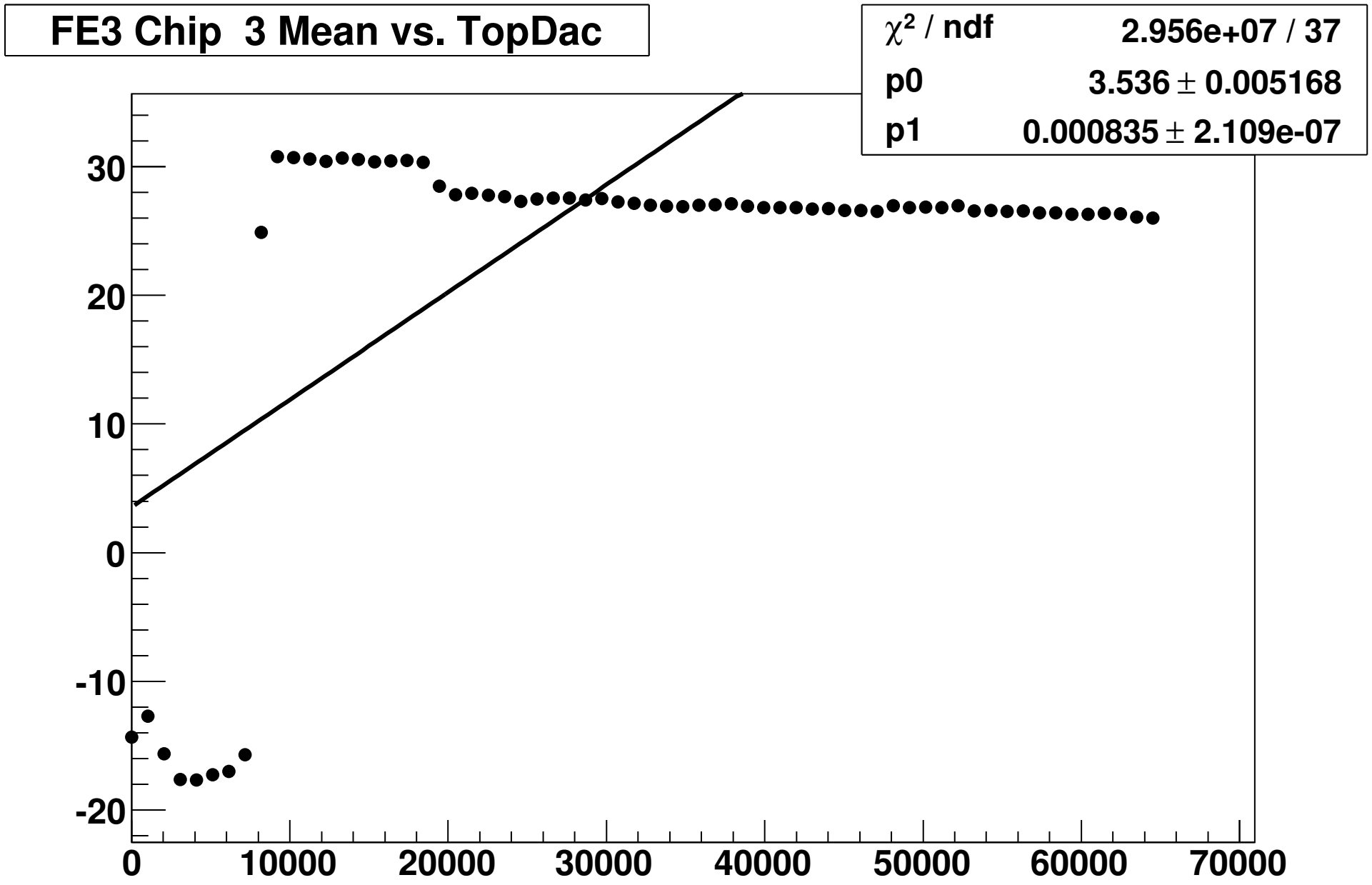

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 2.288e+05 / 37
p0 1.792 ± 0.006477
p1 0.000176 ± 4.034e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

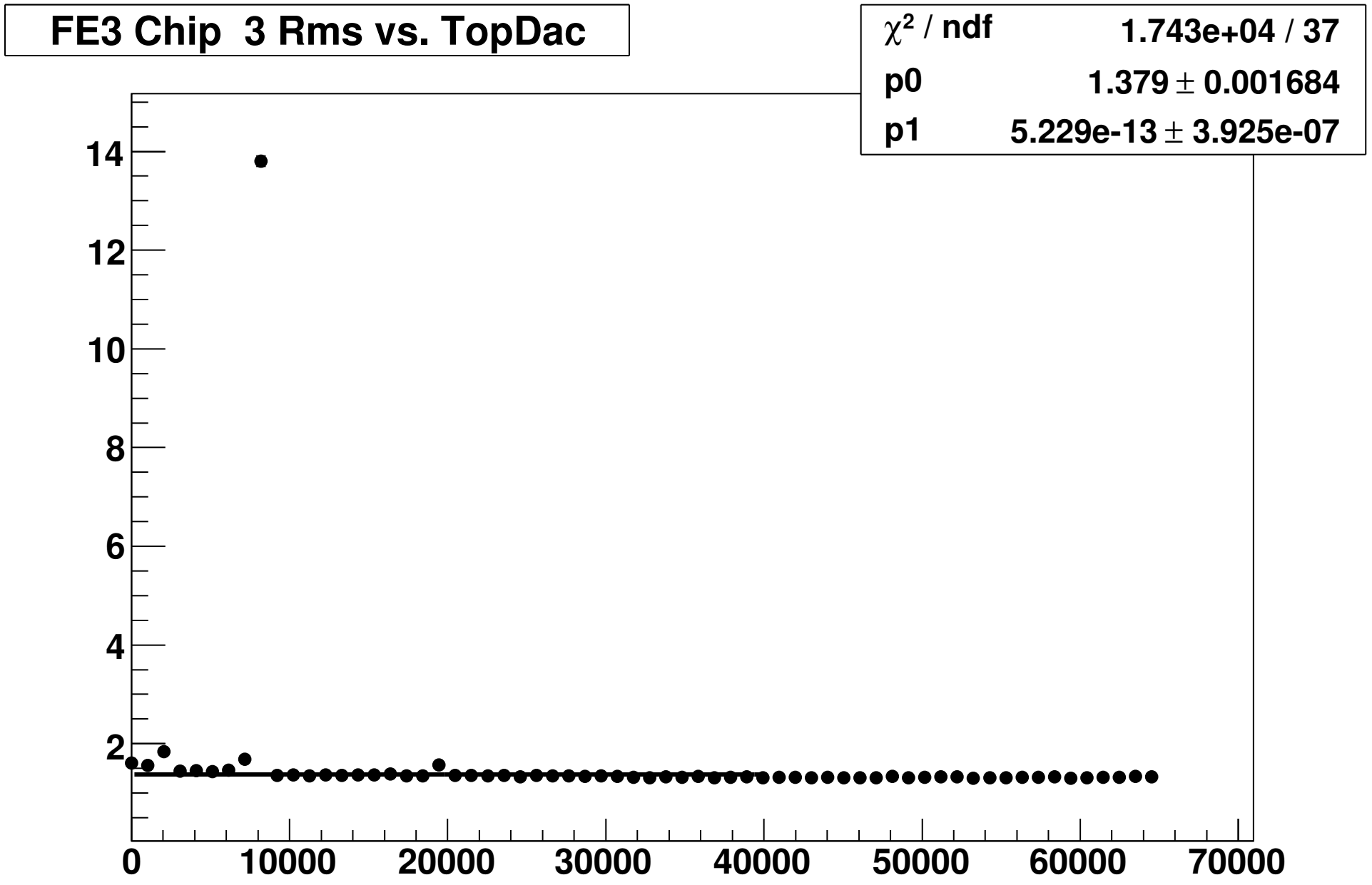

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 2.942e+07 / 37
p0 7.718 ± 0.005174
p1 0.0008432 ± 2.155e-07
30
20
10
0
-10
0
10000
20000
30000
40000
50000
60000
70000

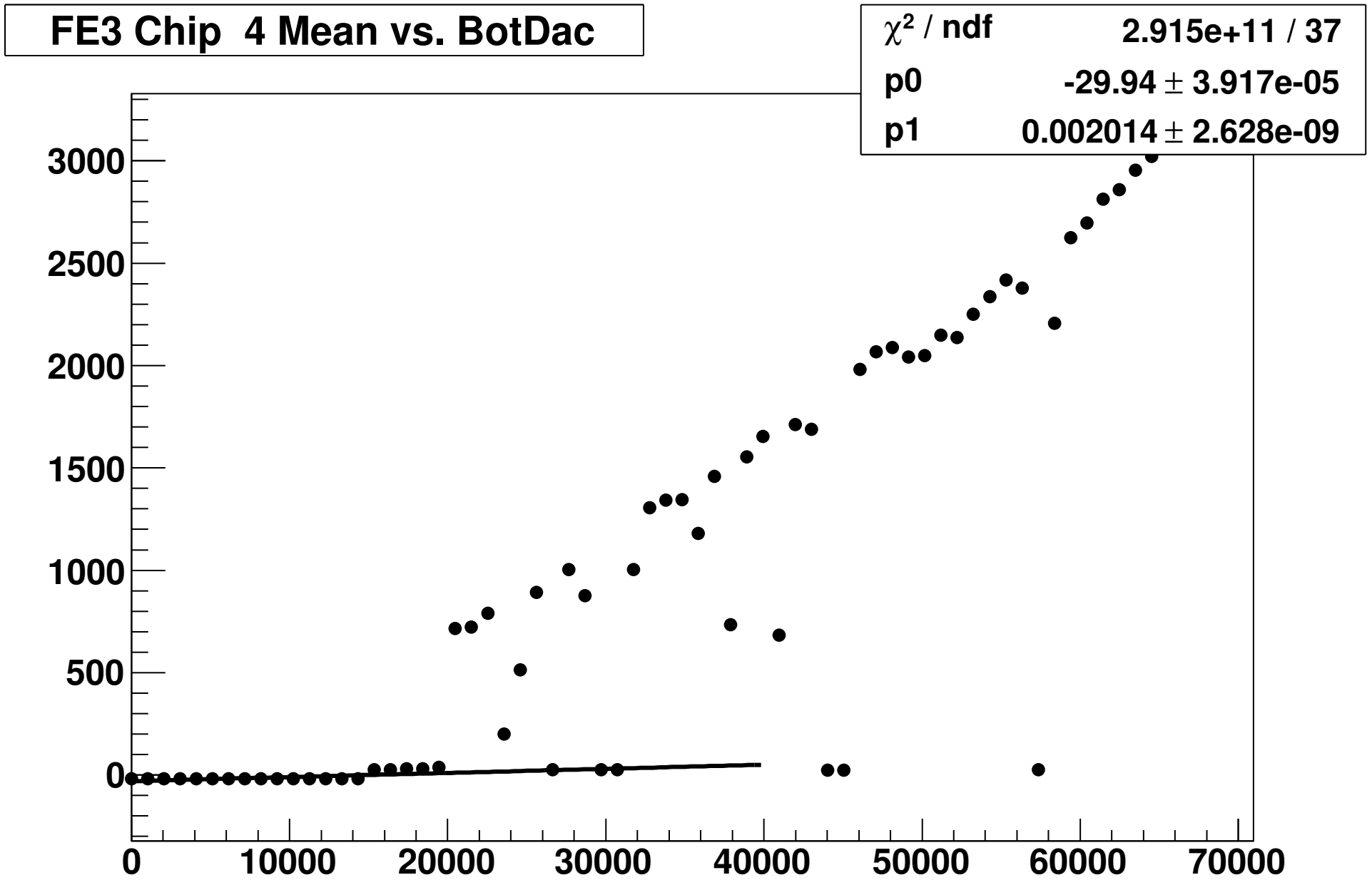

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 1.665e+04 / 37
p0 1.415 ± 0.001876
p1 -4.139e-13 ± 1.836e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

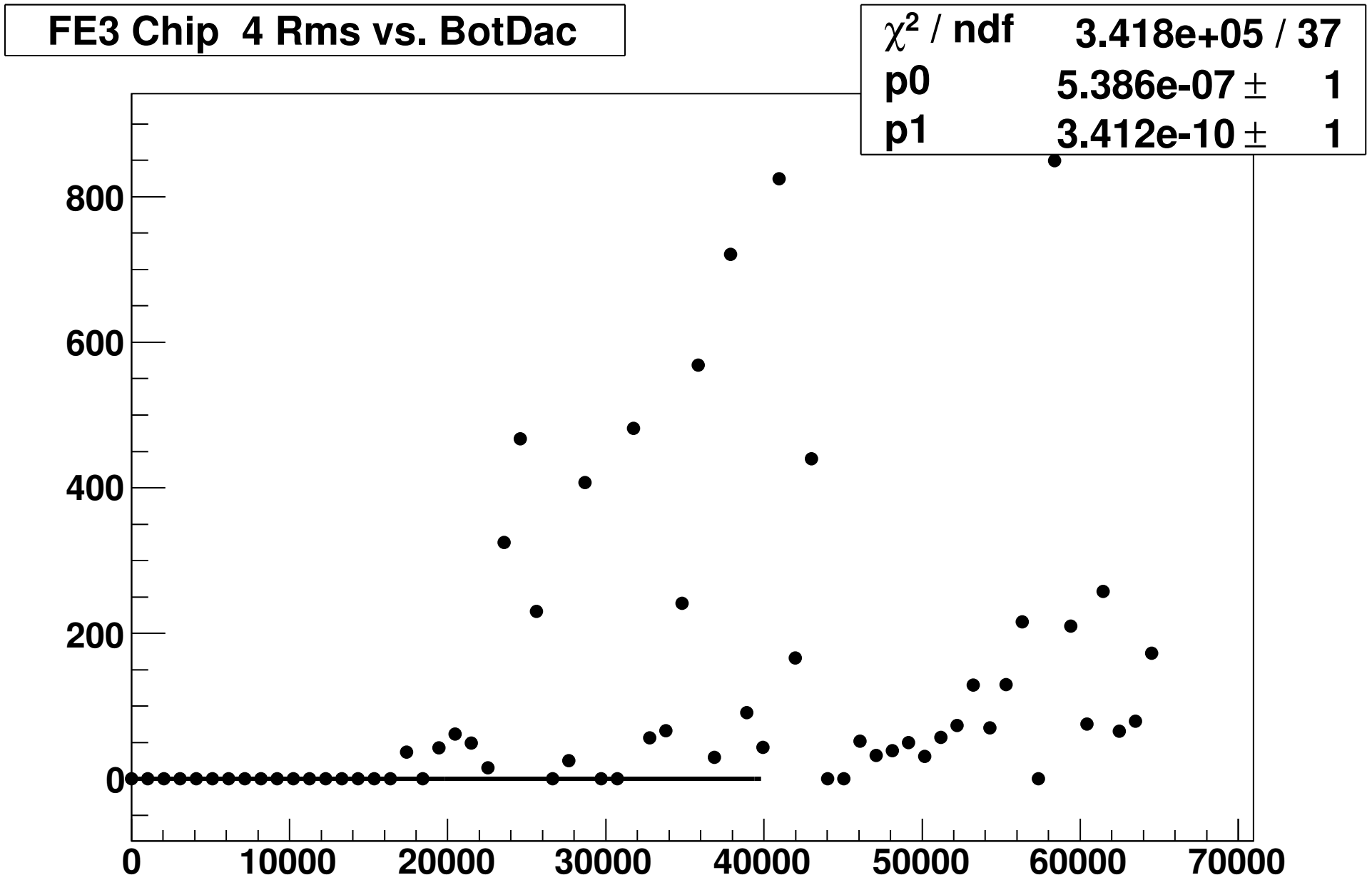

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 1.954e+10 / 37
p0 1231 ± 0.01037
p1 -0.02037 ± 7.218e-07
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

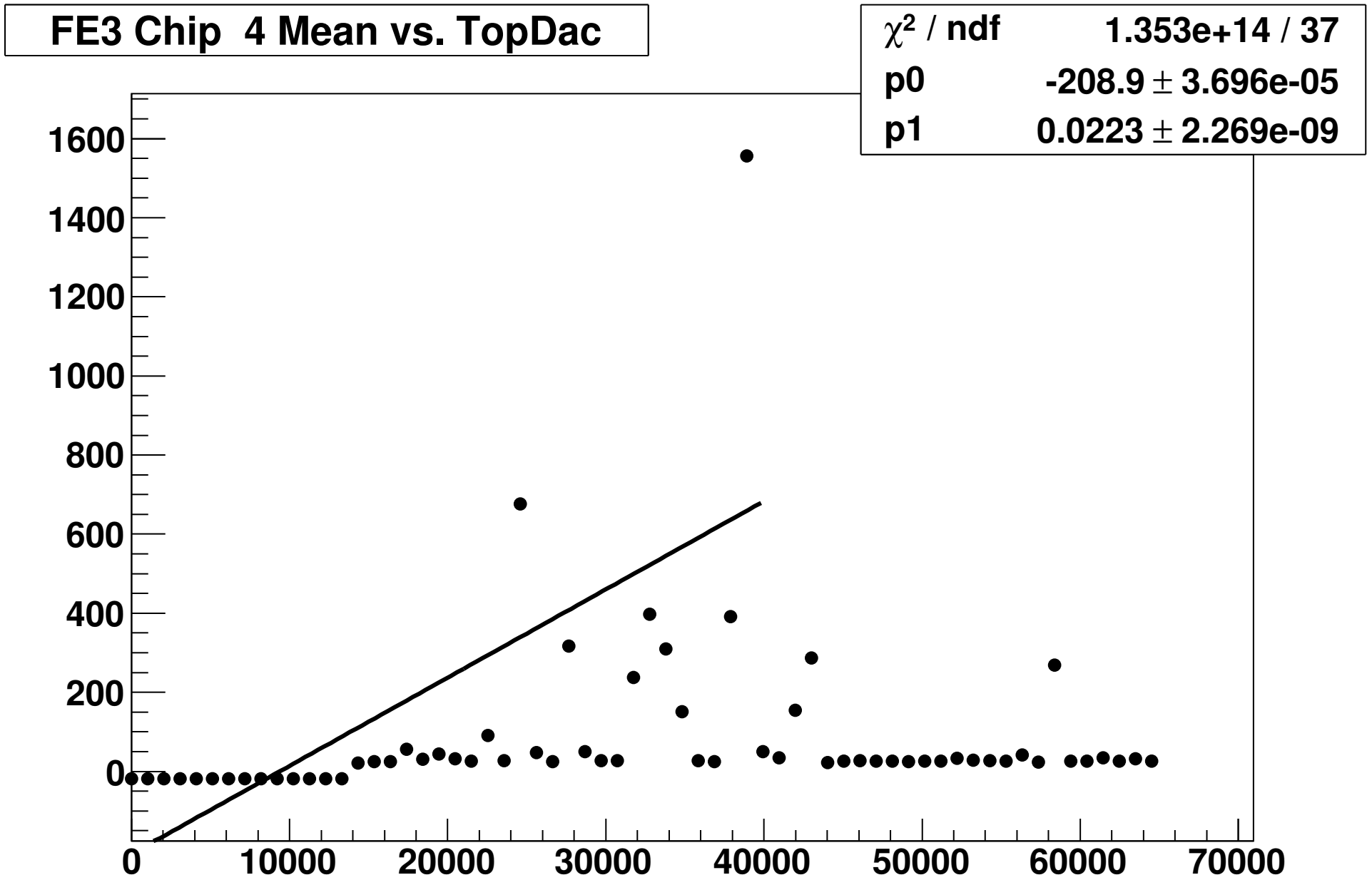

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 2.319e+05 / 37
p0 1.745 ± 0.006382
p1 0.0001743 ± 3.979e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

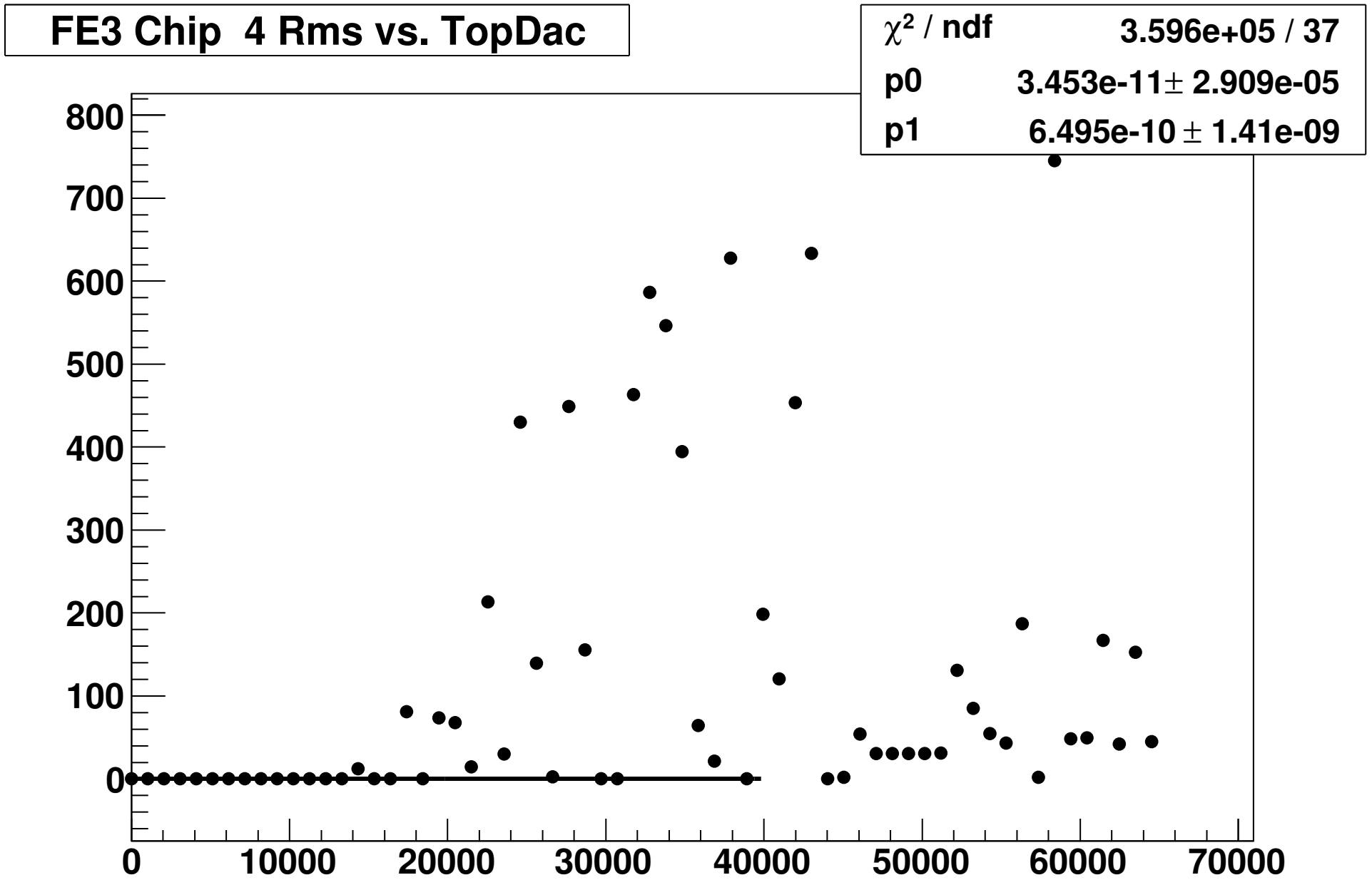

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 2.956e+07 / 37
p0 3.536 ± 0.005168
p1 0.000835 ± 2.109e-07
30
20
10
0
-10
-20
0
10000
20000
30000
40000
50000
60000
70000

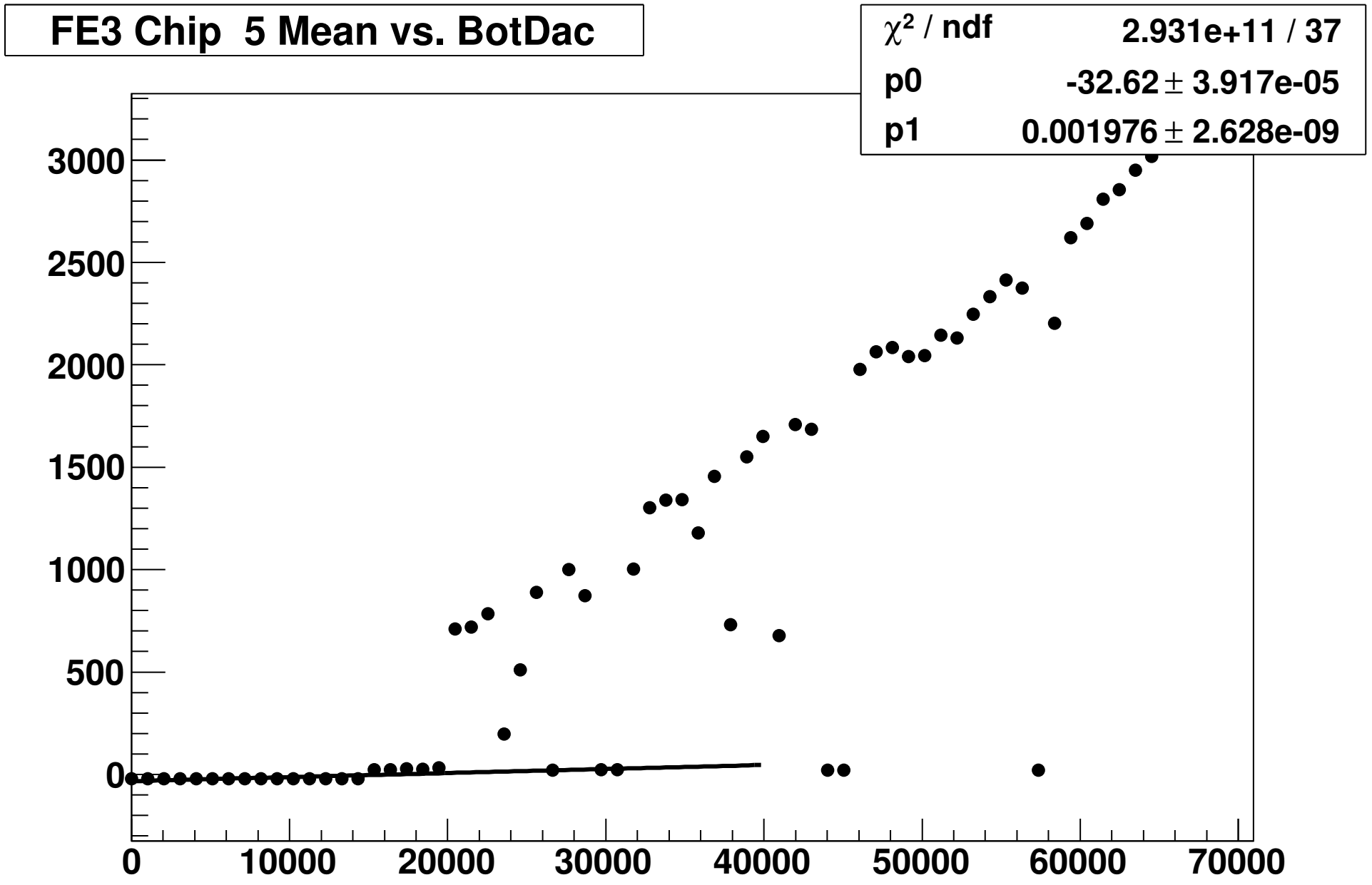

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 1.743e+04 / 37
p0 1.379 ± 0.001684
p1 5.229e-13 ± 3.925e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

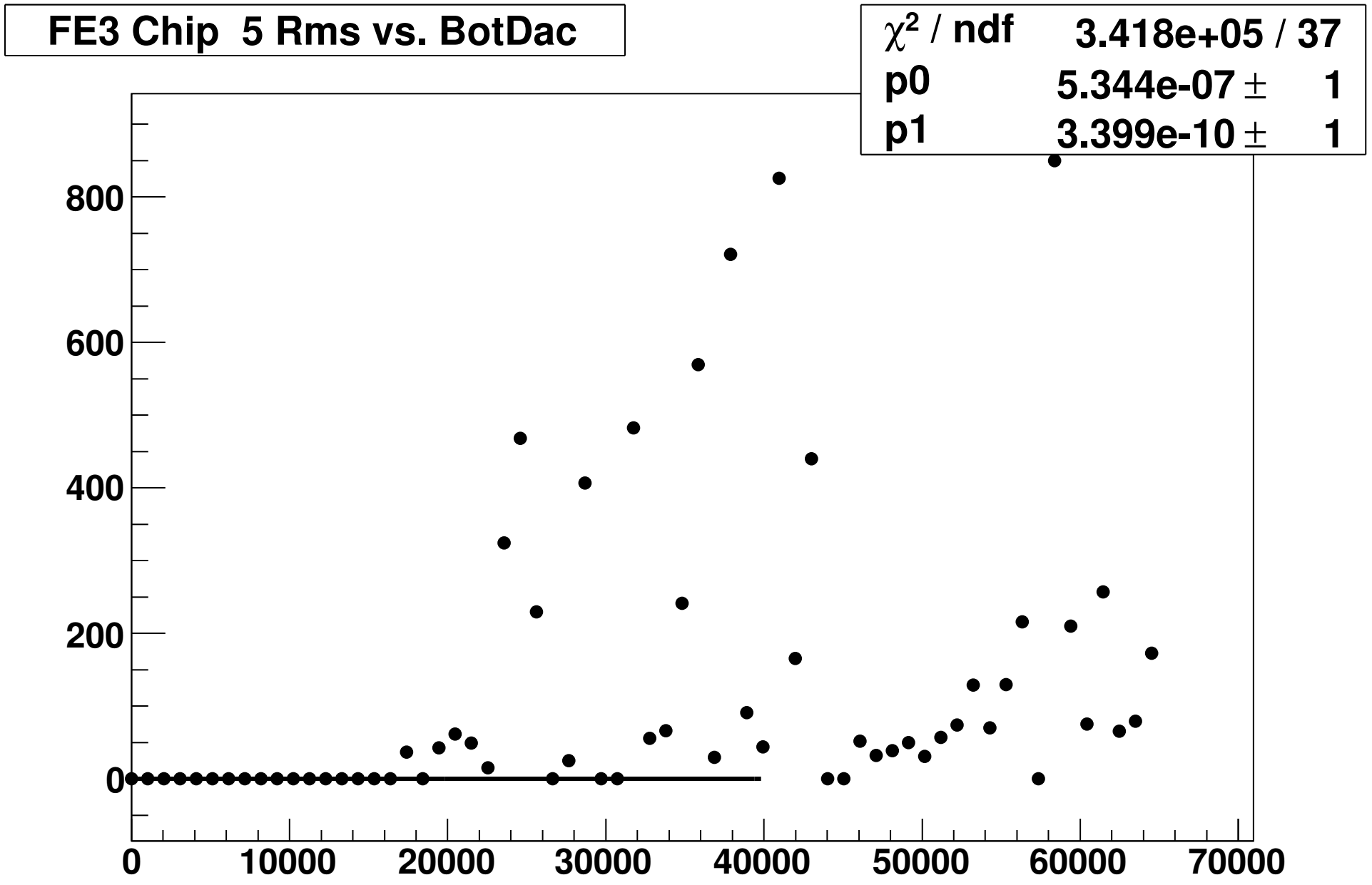

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 2.915e+11 / 37
p0 -29.94 ± 3.917e-05
p1 0.002014 ± 2.628e-09
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

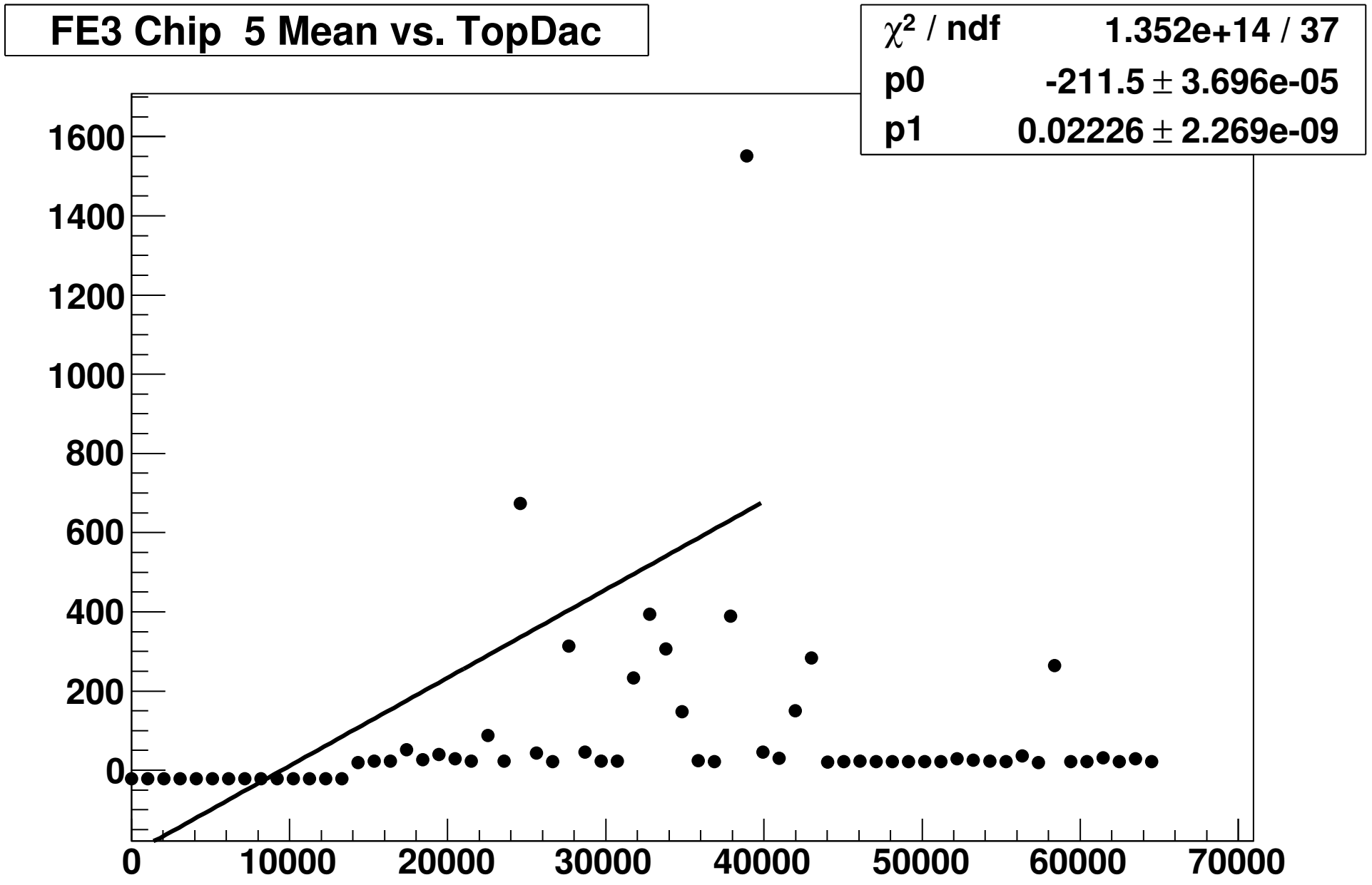

FE3 Chip 4 Rms vs. BotDac
χ² / ndf 3.418e+05 / 37
p0 5.386e-07 ± 1
p1 3.412e-10 ± 1
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

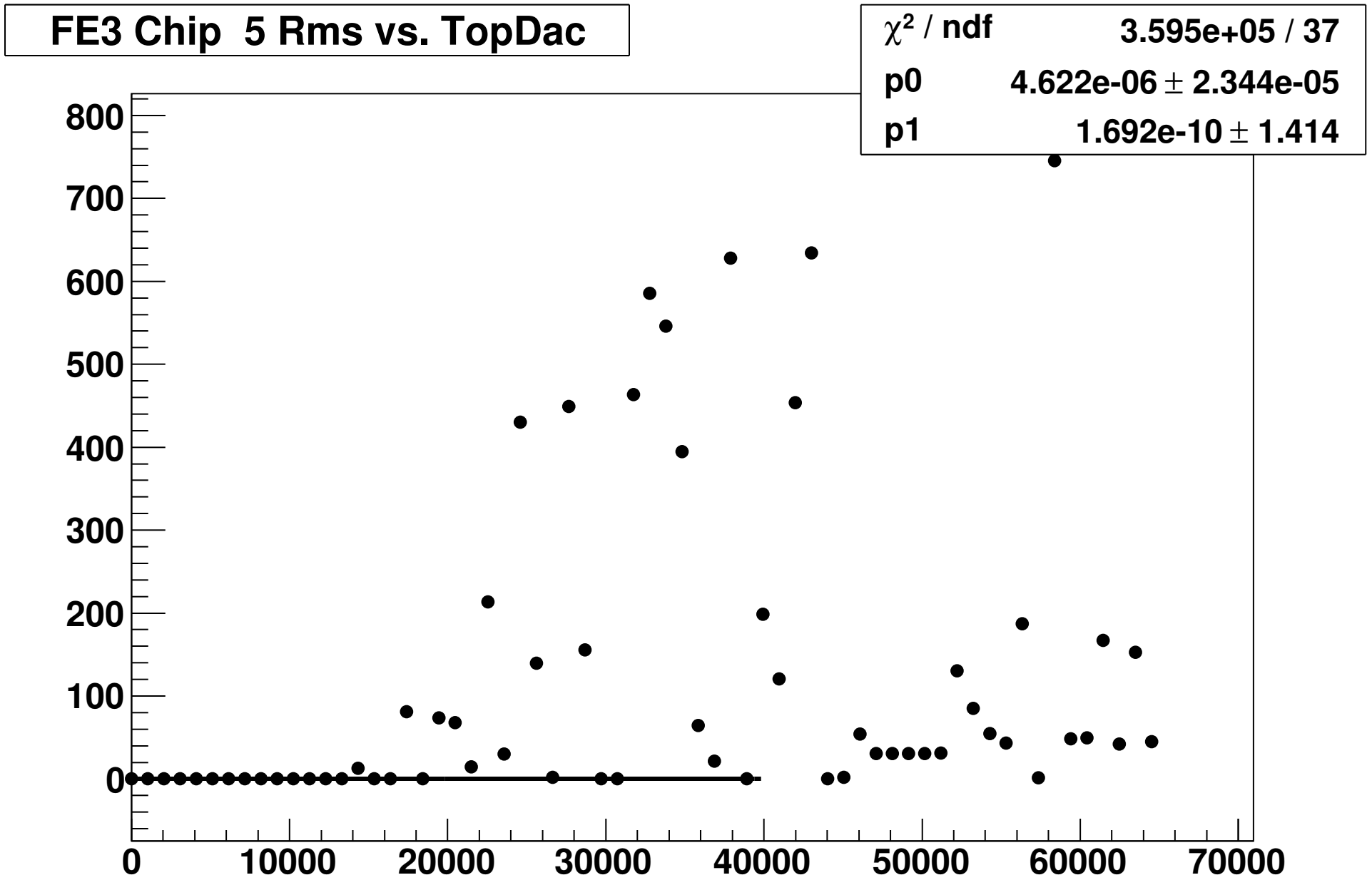

FE3 Chip 4 Mean vs. TopDac
χ² / ndf 1.353e+14 / 37
p0 -208.9 ± 3.696e-05
p1 0.0223 ± 2.269e-09
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

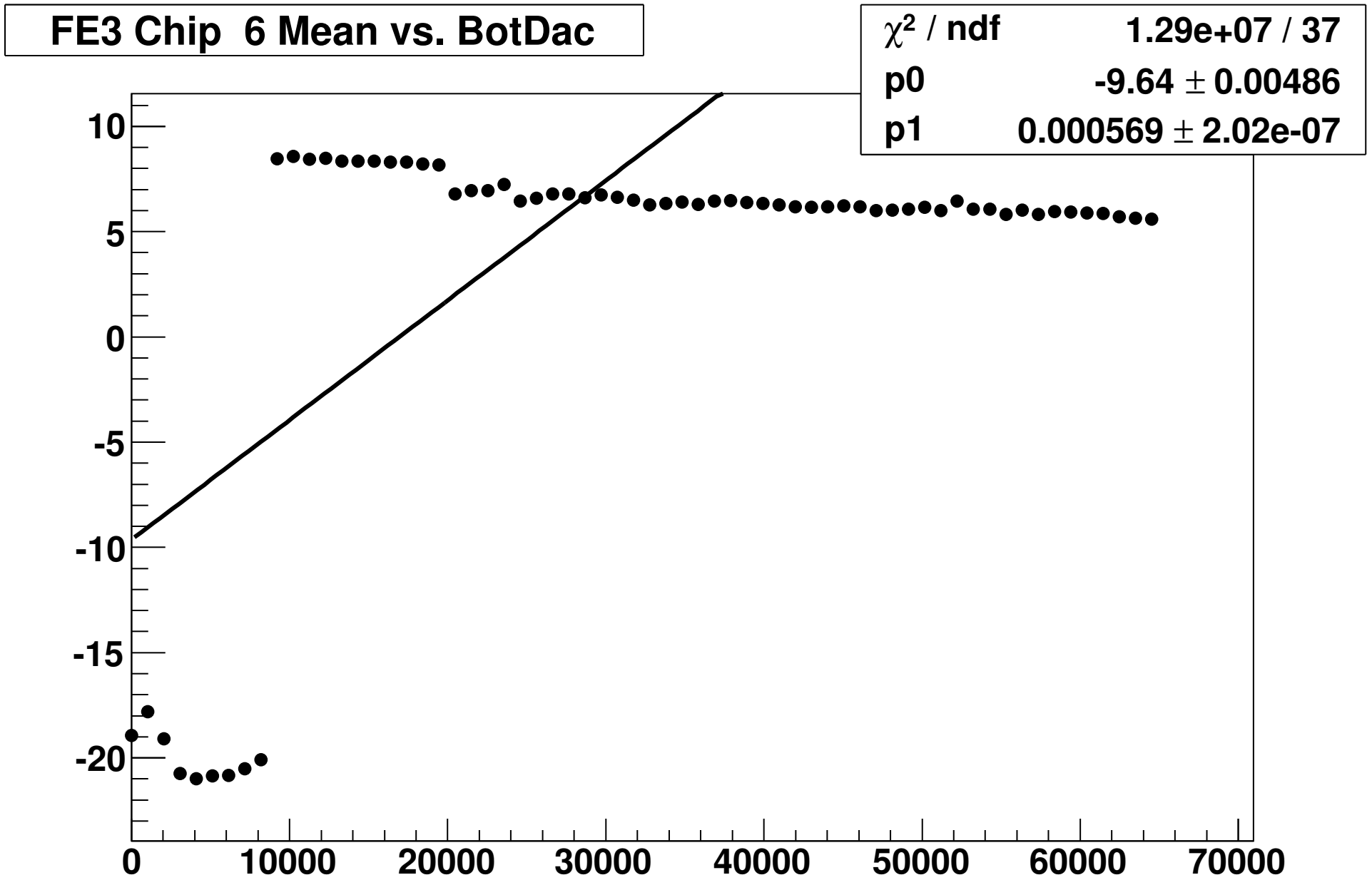

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 3.596e+05 / 37
p0 3.453e-11 ± 2.909e-05
p1 6.495e-10 ± 1.41e-09
800
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

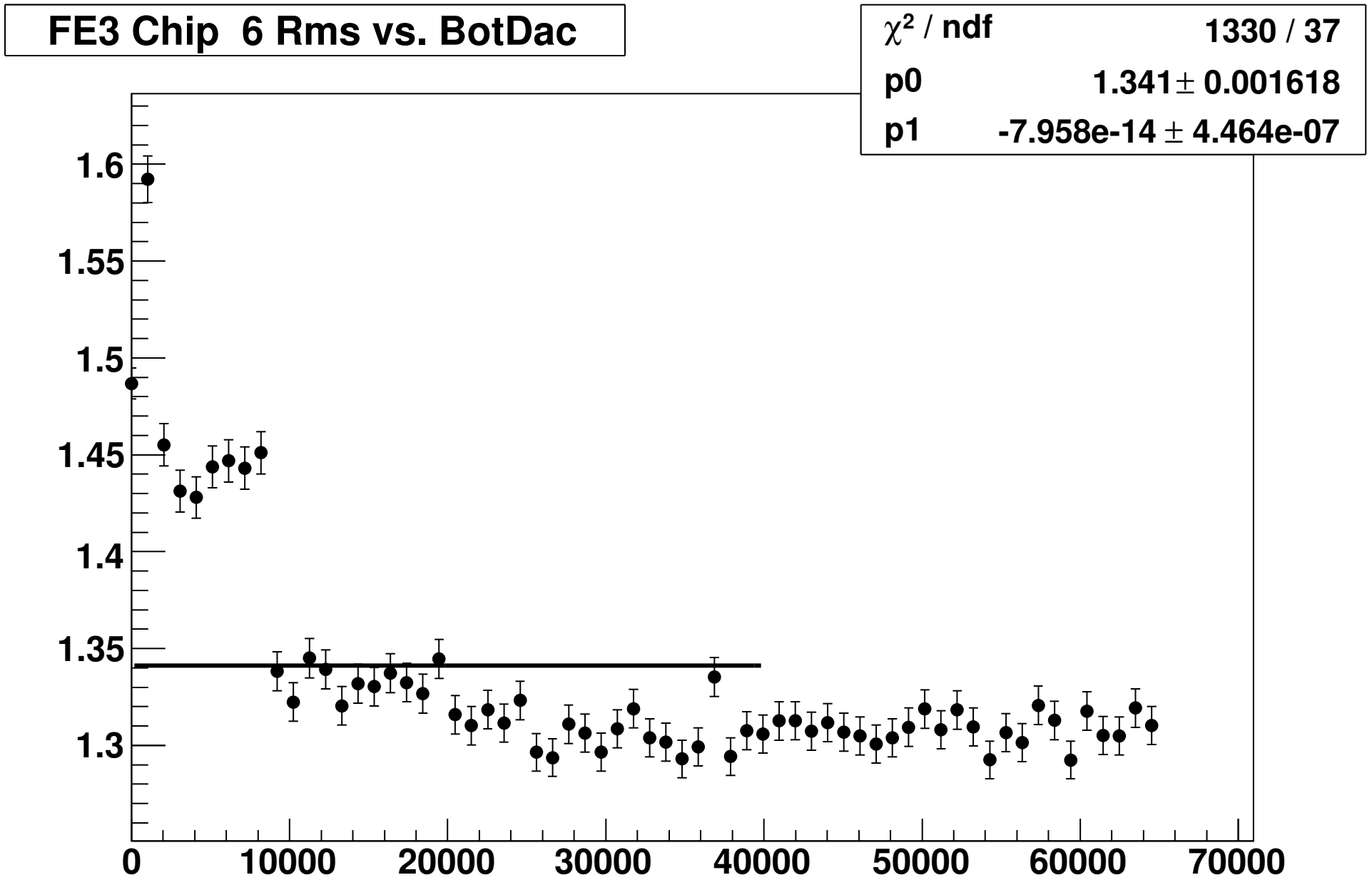

FE3 Chip 5 Mean vs. BotDac
χ² / ndf 2.931e+11 / 37
p0 -32.62 ± 3.917e-05
p1 0.001976 ± 2.628e-09
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 3.418e+05 / 37
p0 5.344e-07 ± 1
p1 3.399e-10 ± 1
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 1.352e+14 / 37
p0 -211.5 ± 3.696e-05
p1 0.02226 ± 2.269e-09
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 3.595e+05 / 37
p0 4.622e-06 ± 2.344e-05
p1 1.692e-10 ± 1.414
800
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 1.29e+07 / 37
p0 -9.64 ± 0.00486
p1 0.000569 ± 2.02e-07
10
5
0
-5
-10
-15
-20
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 1330 / 37
p0 1.341 ± 0.001618
p1 -7.958e-14 ± 4.464e-07
1.6
1.55
1.5
1.45
1.4
1.35
1.3
0
10000
20000
30000
40000
50000
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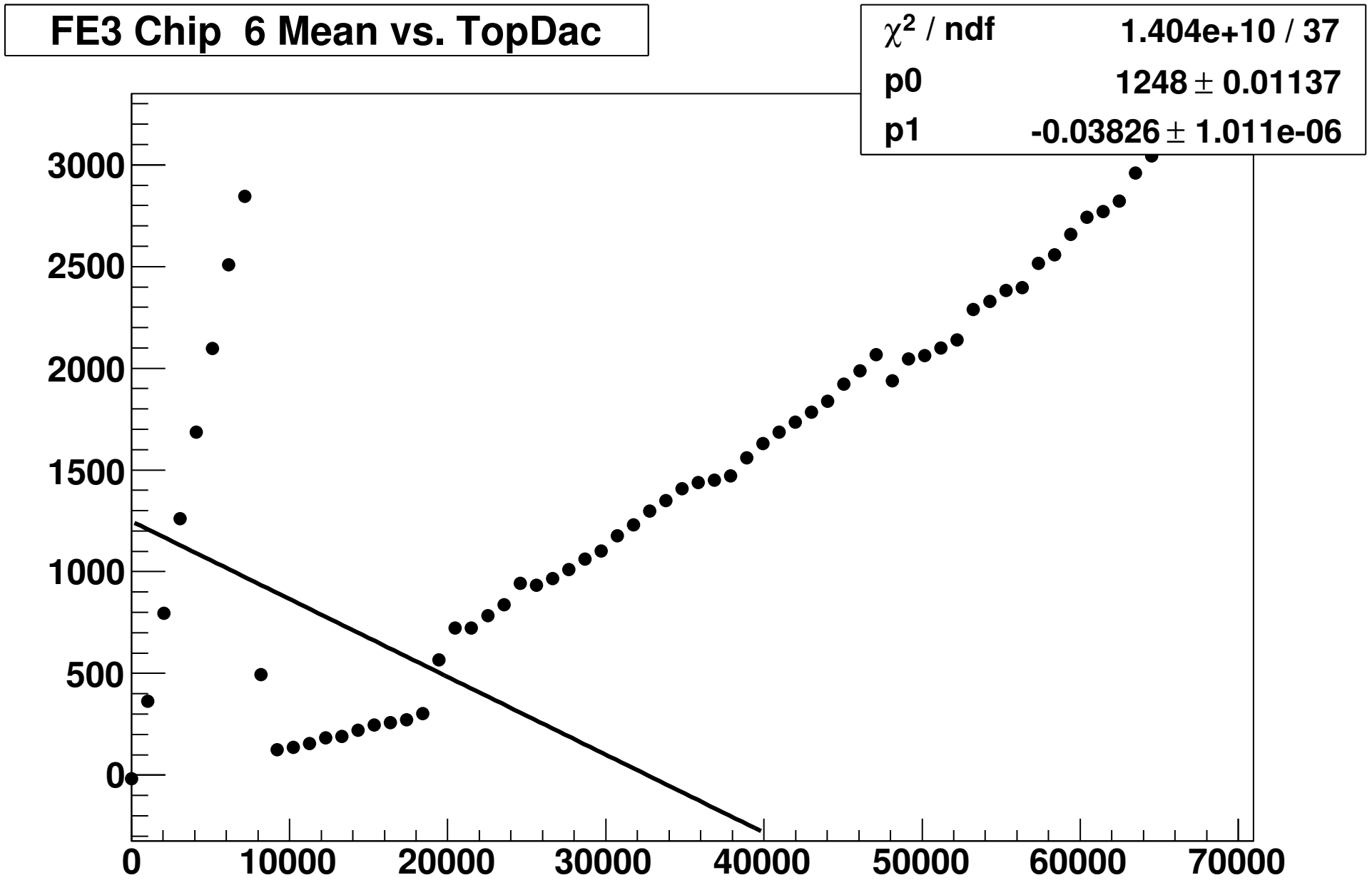
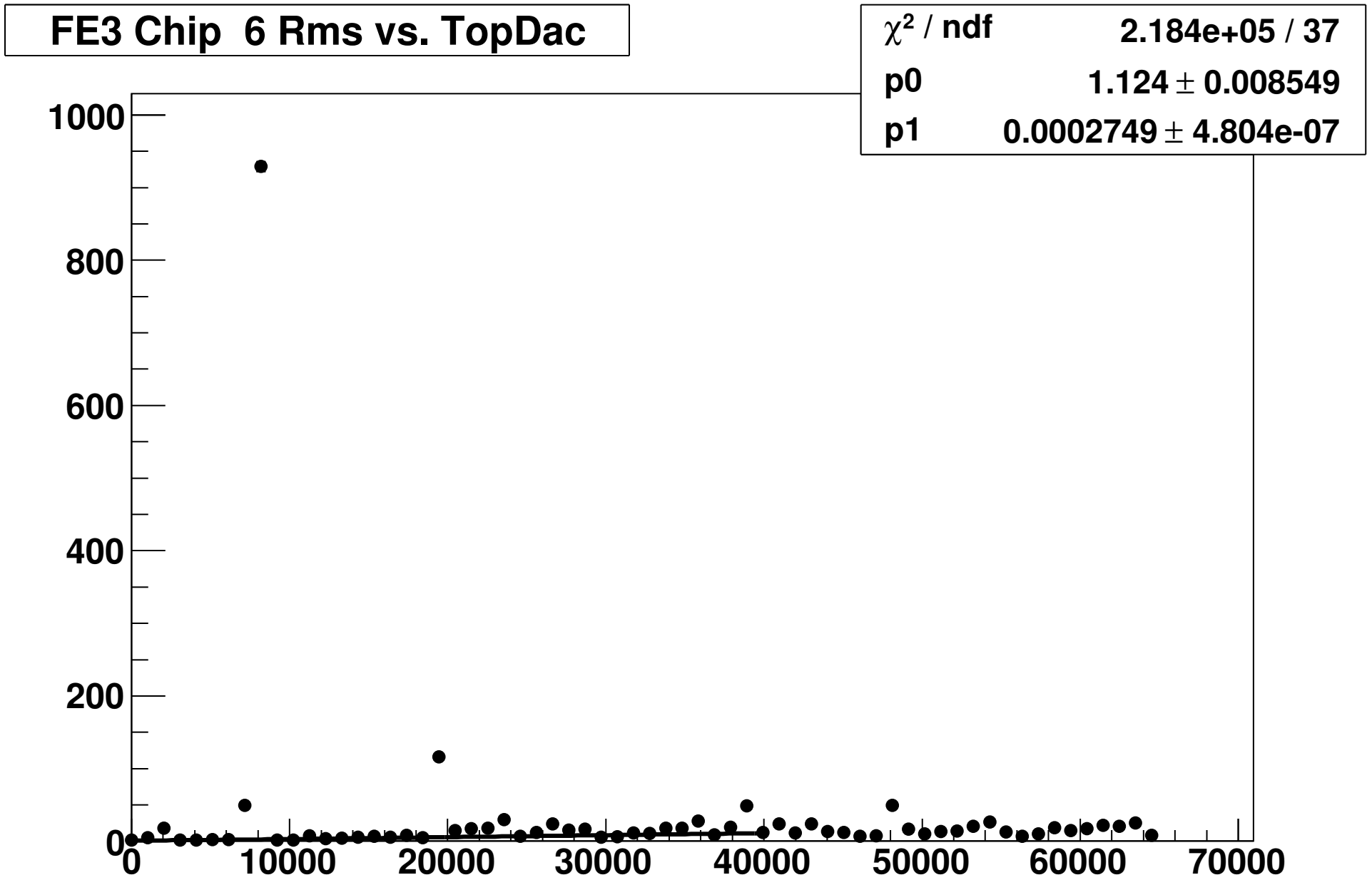
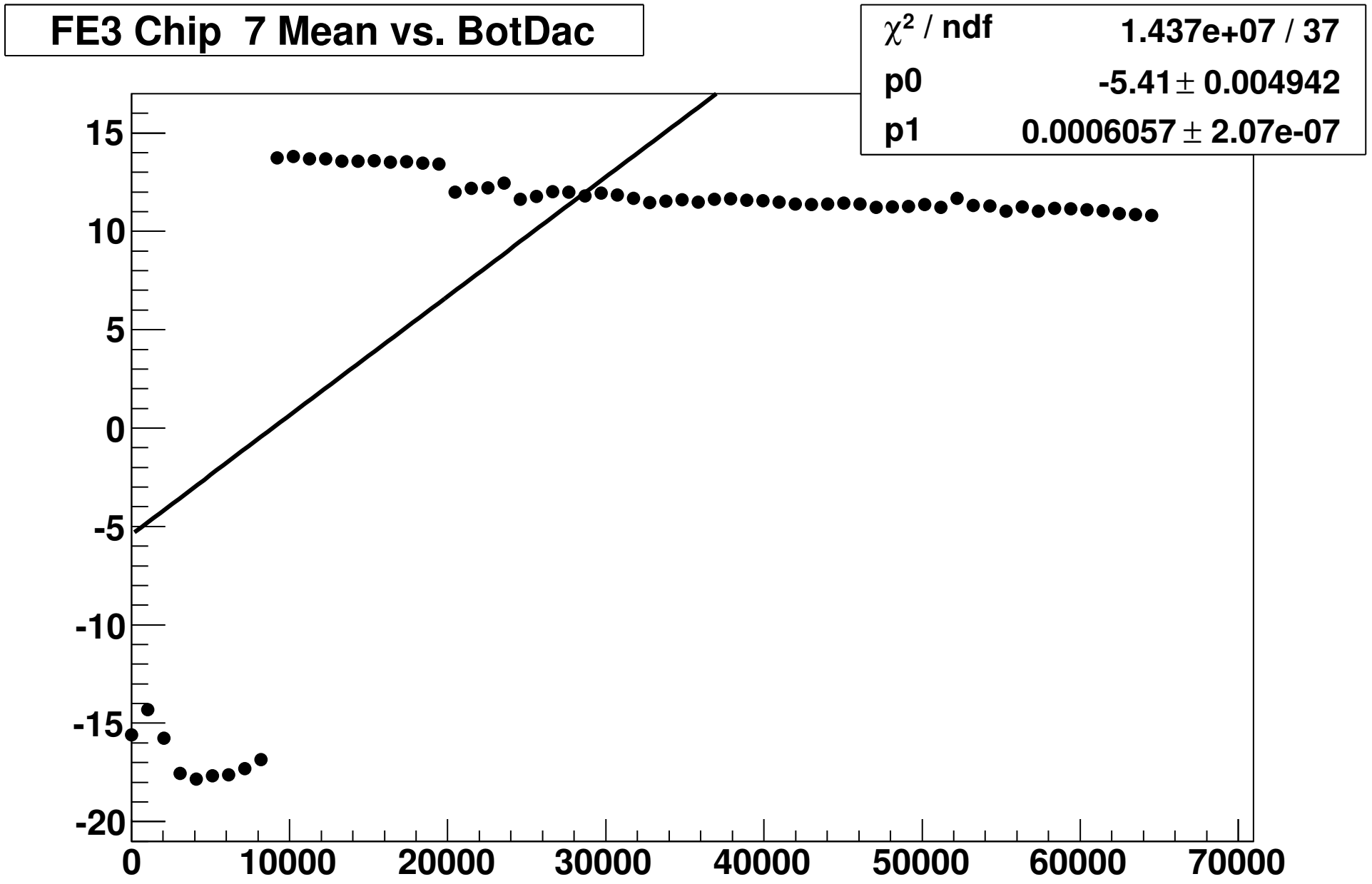
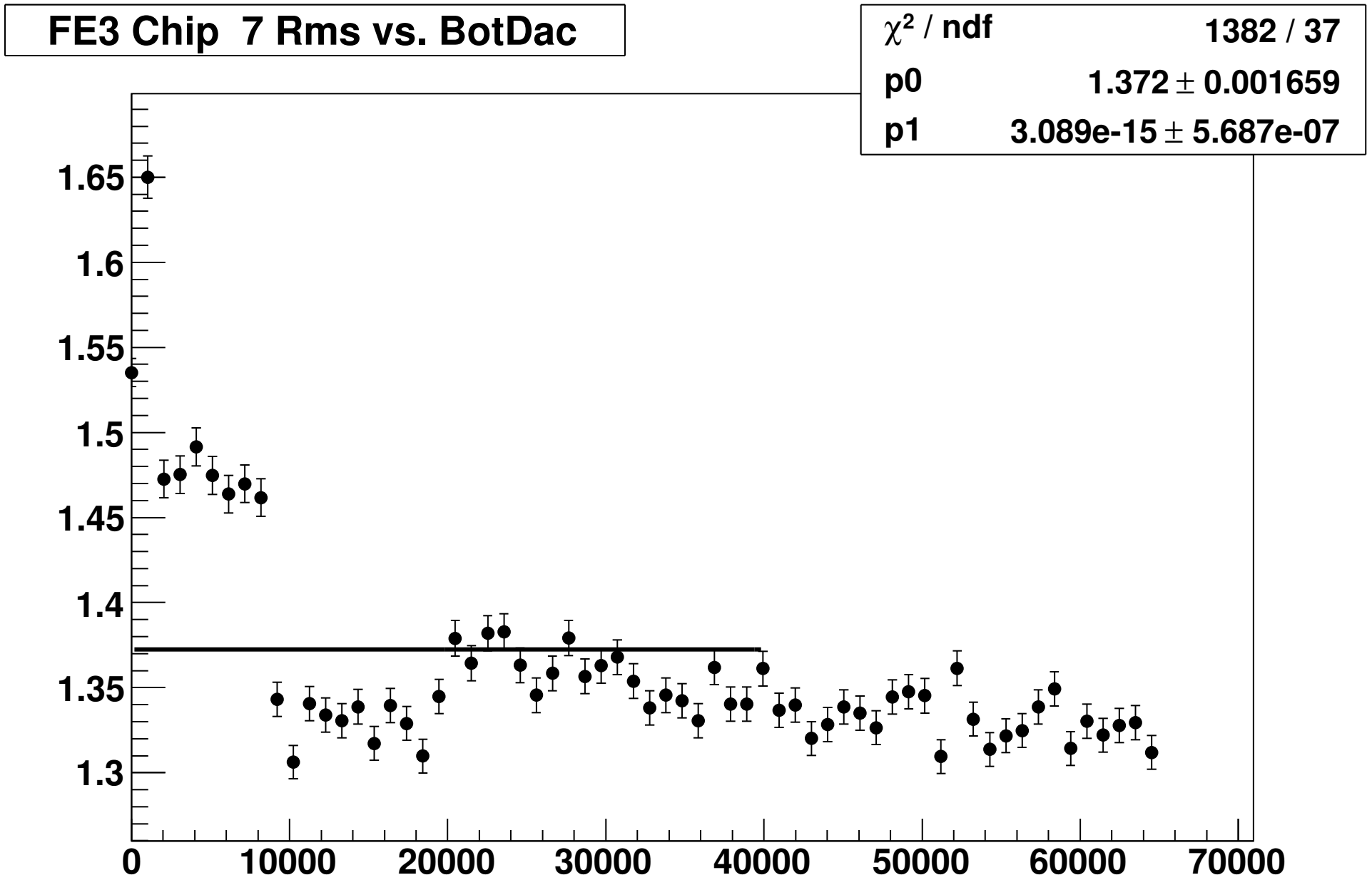
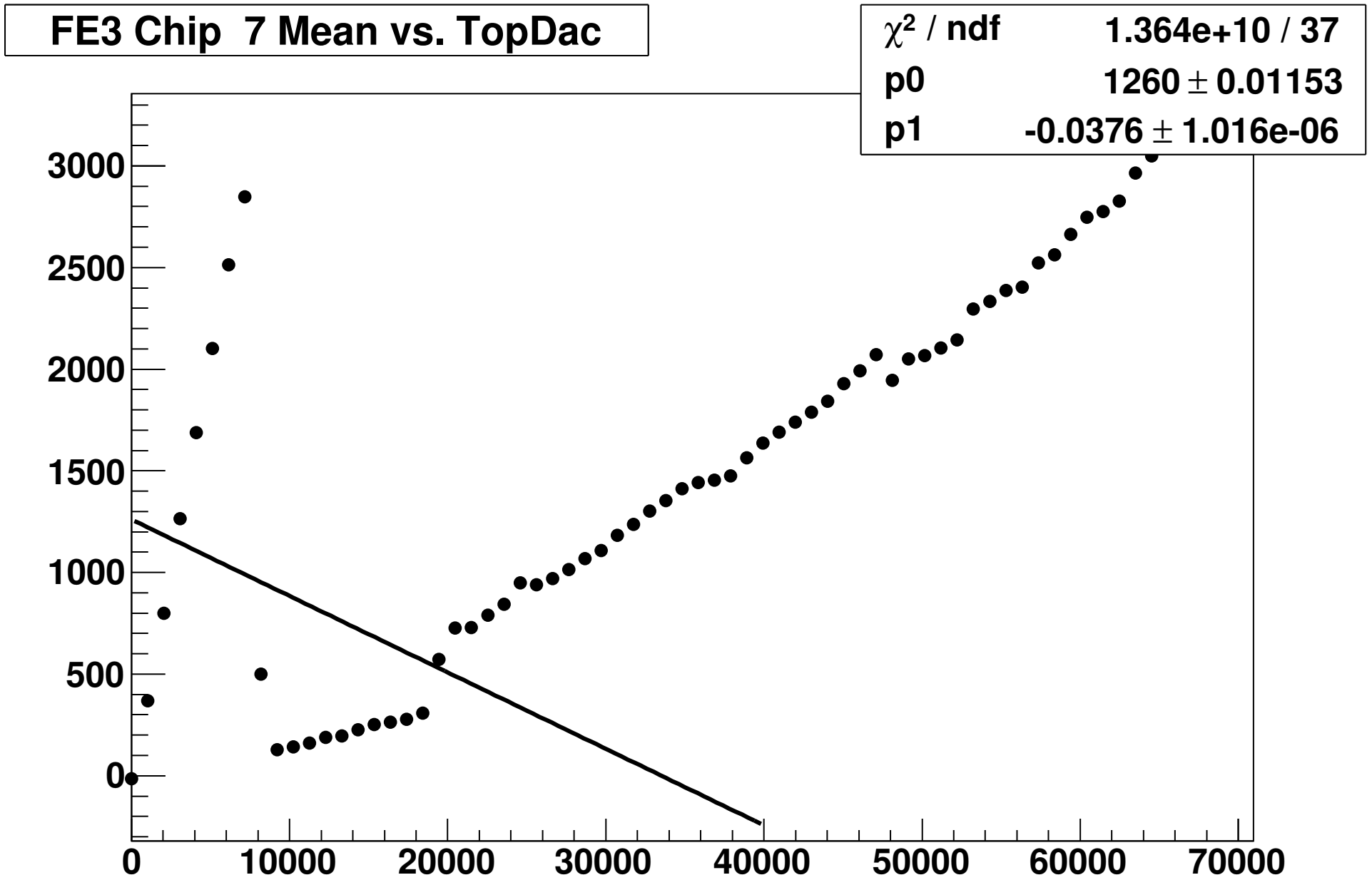
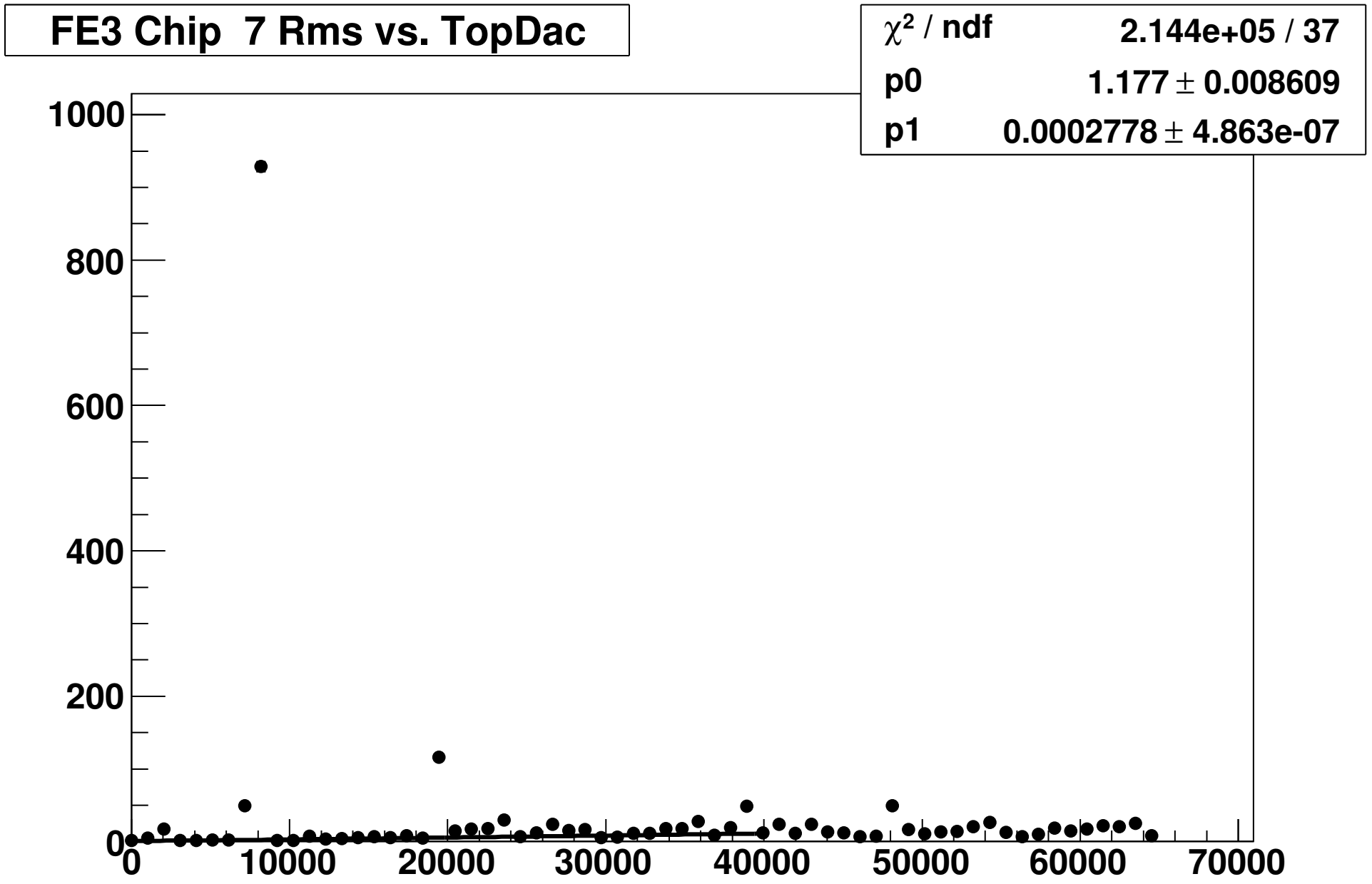

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.404e+10 / 37
p0 1248 ± 0.01137
p1 -0.03826 ± 1.011e-06
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

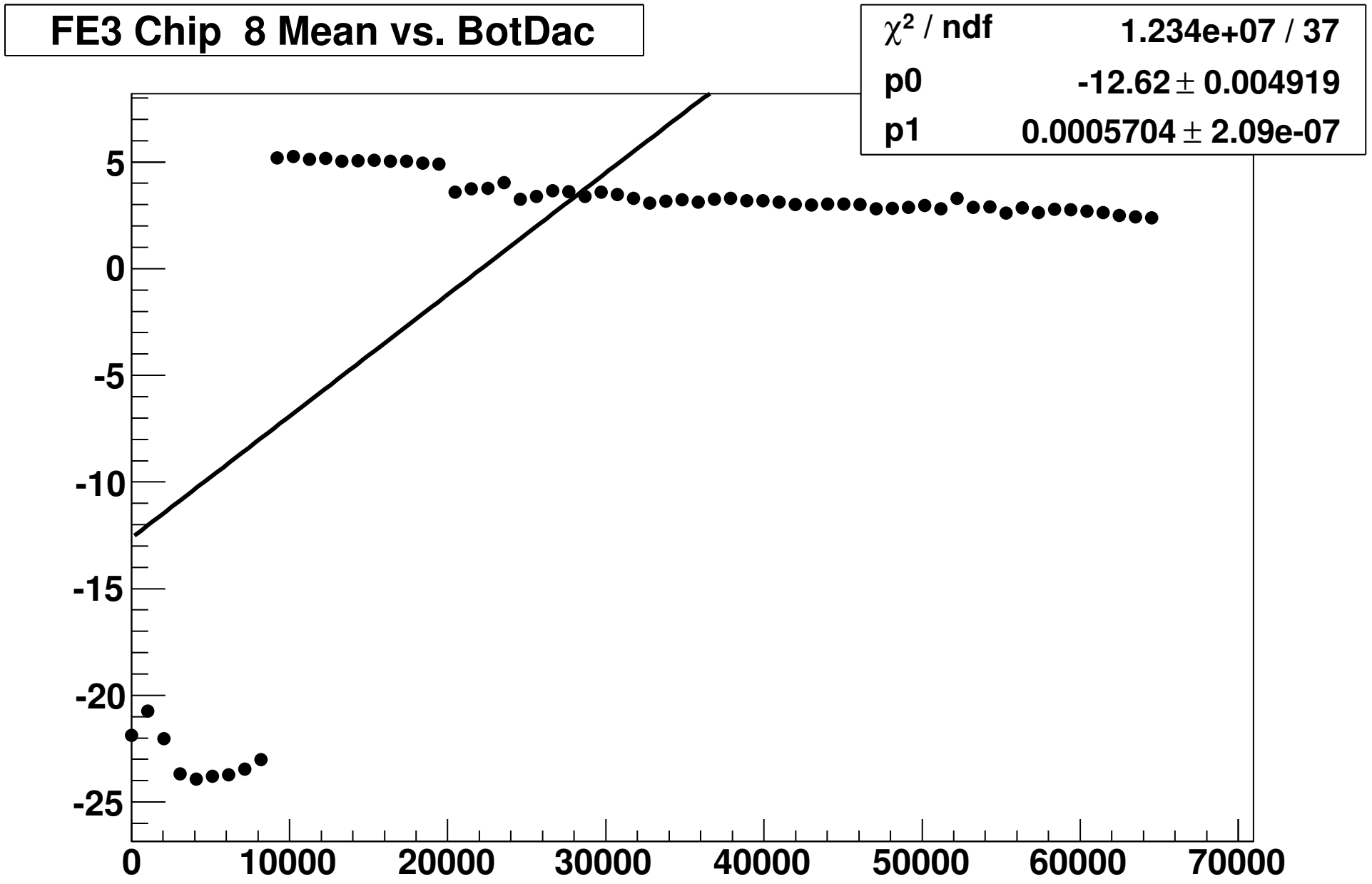

FE3 Chip 6 Rms vs. TopDac
χ² / ndf 2.184e+05 / 37
p0 1.124 ± 0.008549
p1 0.0002749 ± 4.804e-07
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. BotDac
χ² / ndf 1.437e+07 / 37
p0 -5.41 ± 0.004942
p1 0.0006057 ± 2.07e-07
15
10
5
0
-5
-10
-15
-20
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 1382 / 37
p0 1.372 ± 0.001659
p1 3.089e-15 ± 5.687e-07
1.65
1.6
1.55
1.5
1.45
1.4
1.35
1.3
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.364e+10 / 37
p0 1260 ± 0.01153
p1 -0.0376 ± 1.016e-06
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 2.144e+05 / 37
p0 1.177 ± 0.008609
p1 0.0002778 ± 4.863e-07
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 1.234e+07 / 37
p0 -12.62 ± 0.004919
p1 0.0005704 ± 2.09e-07
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-15
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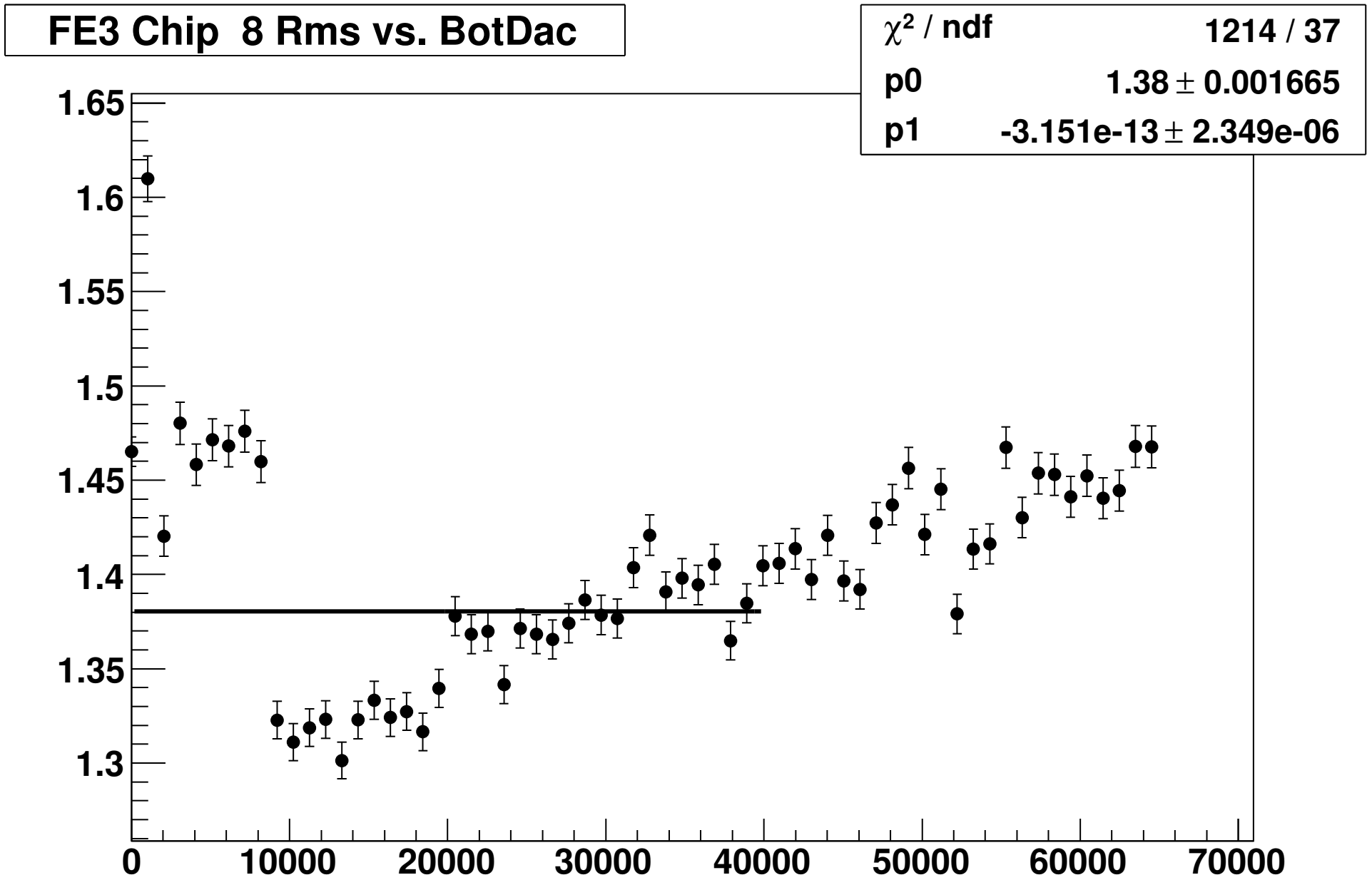
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 1214 / 37
p0 1.38 ± 0.001665
p1 -3.151e-13 ± 2.349e-06
1.65
1.6
1.55
1.5
1.45
1.4
1.35
1.3
0
10000
20000
30000
40000
50000
60000
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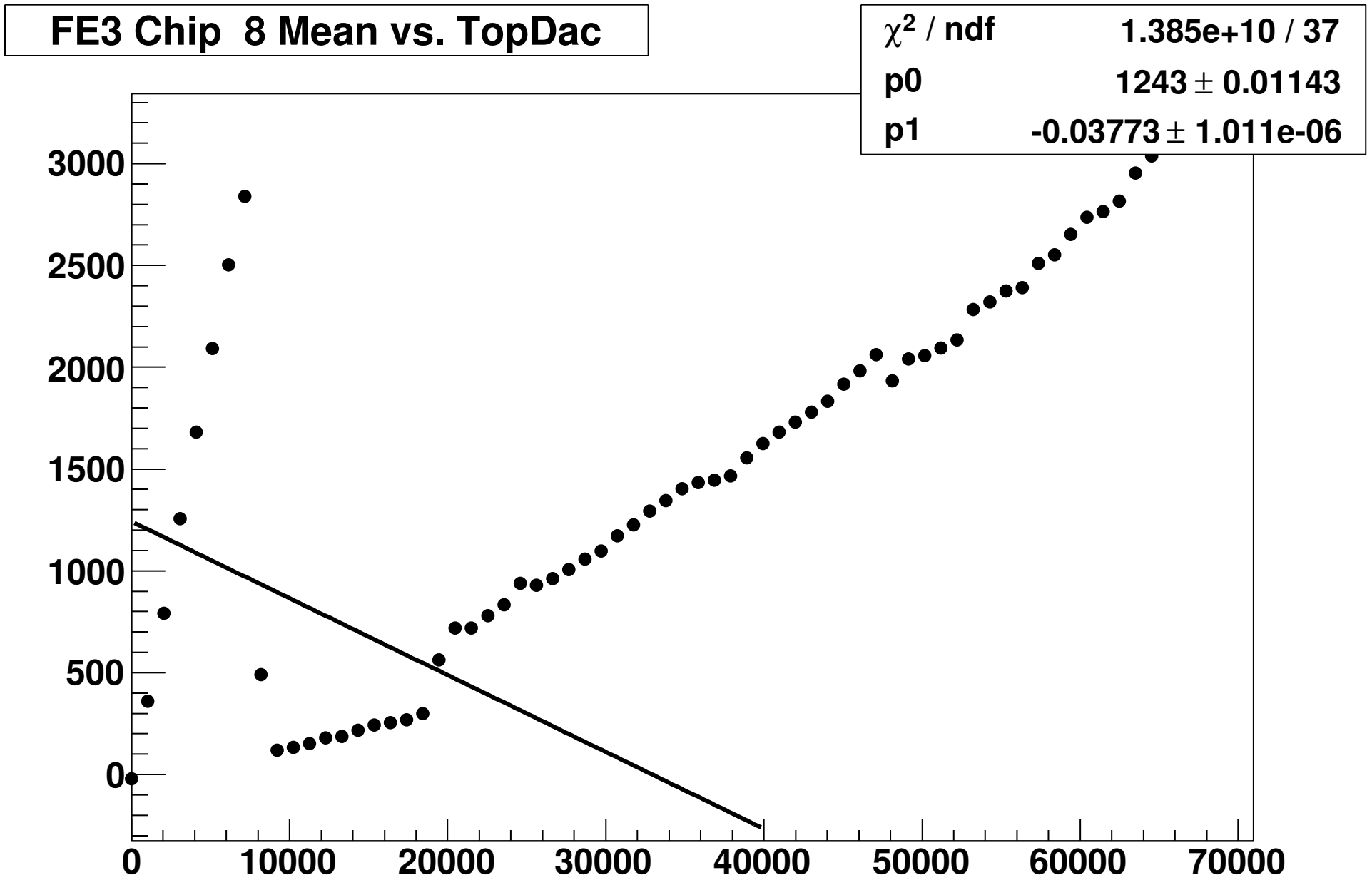
FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.385e+10 / 37
p0 1243 ± 0.01143
p1 -0.03773 ± 1.011e-06
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
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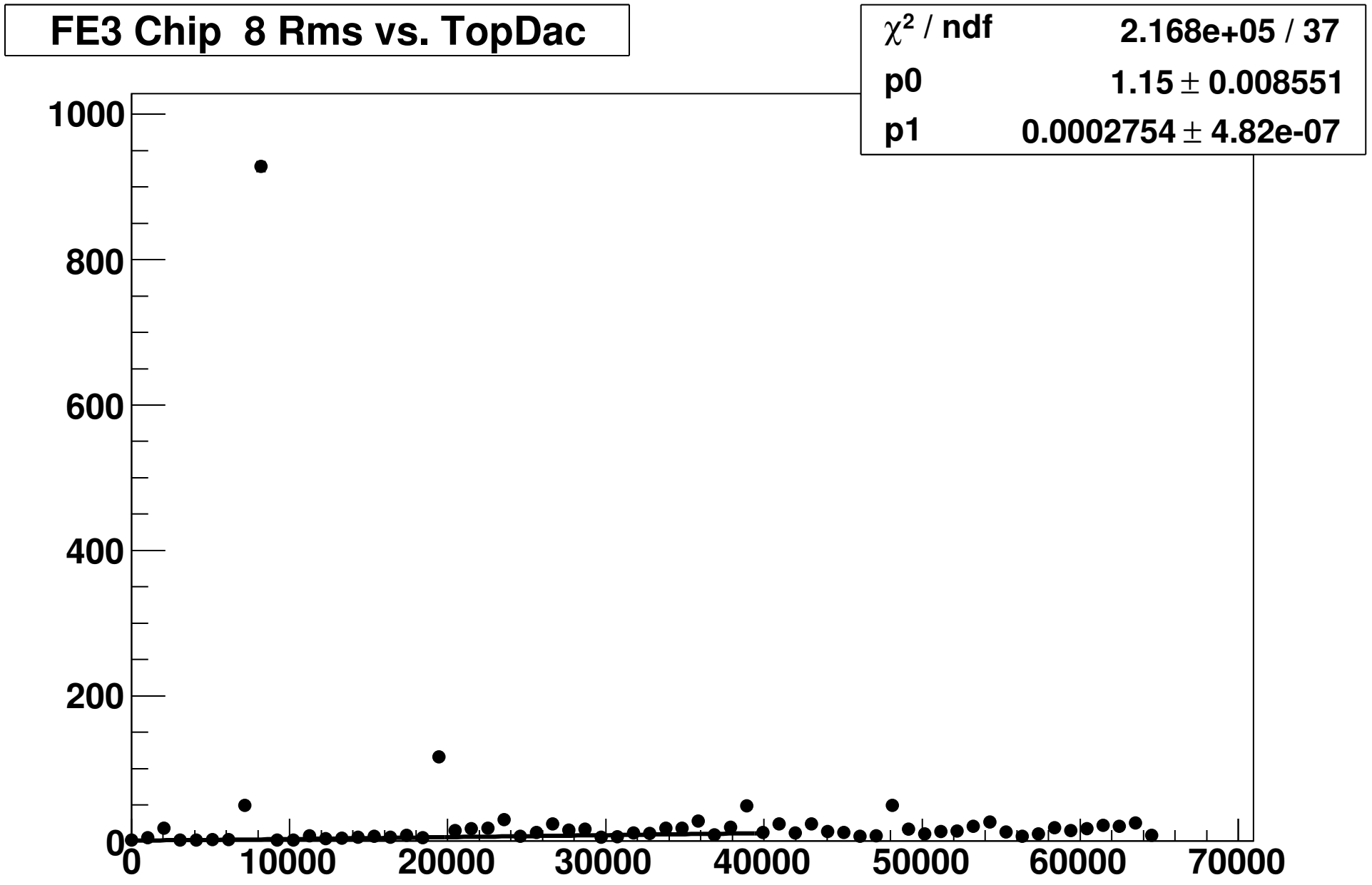
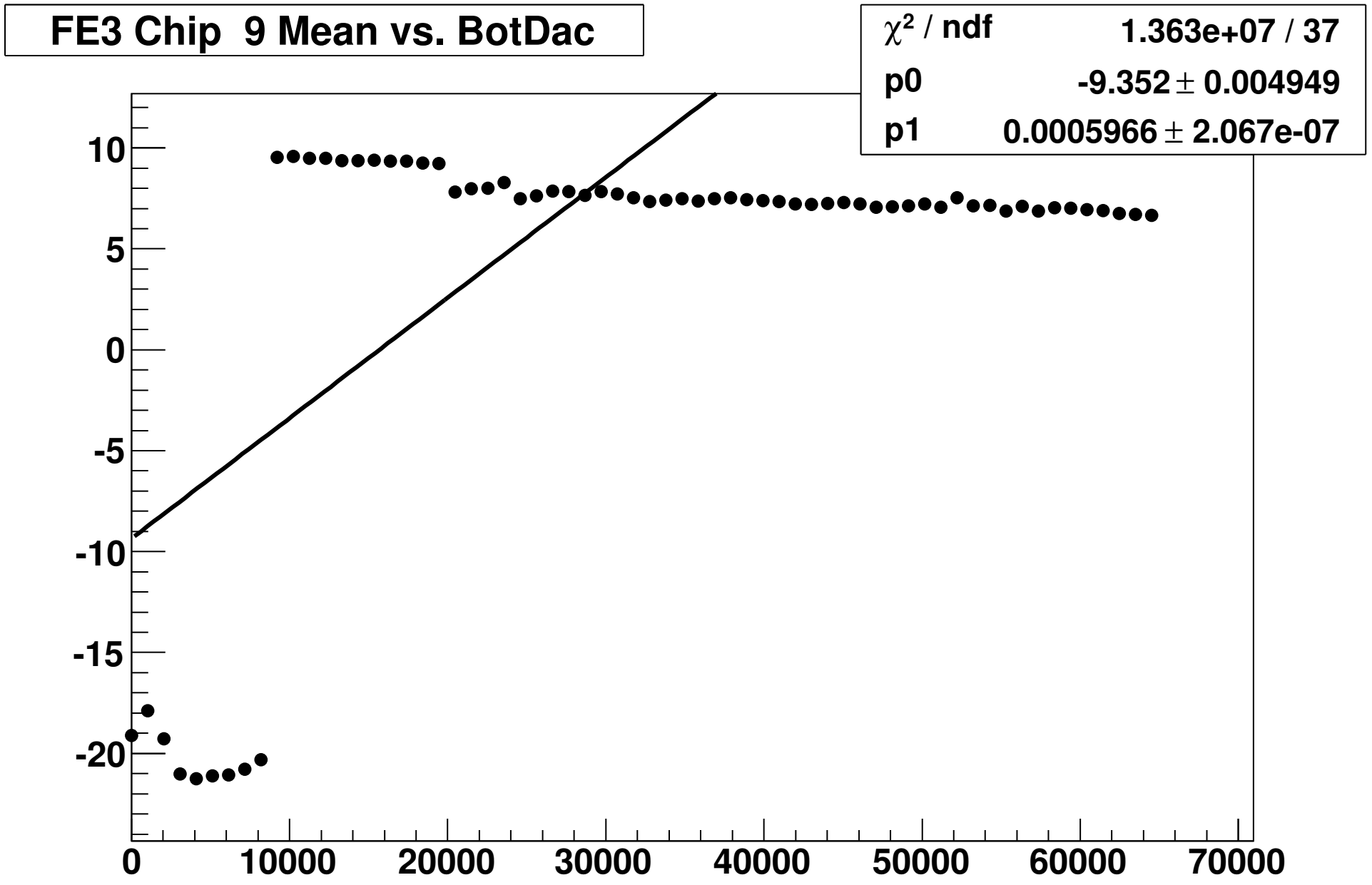
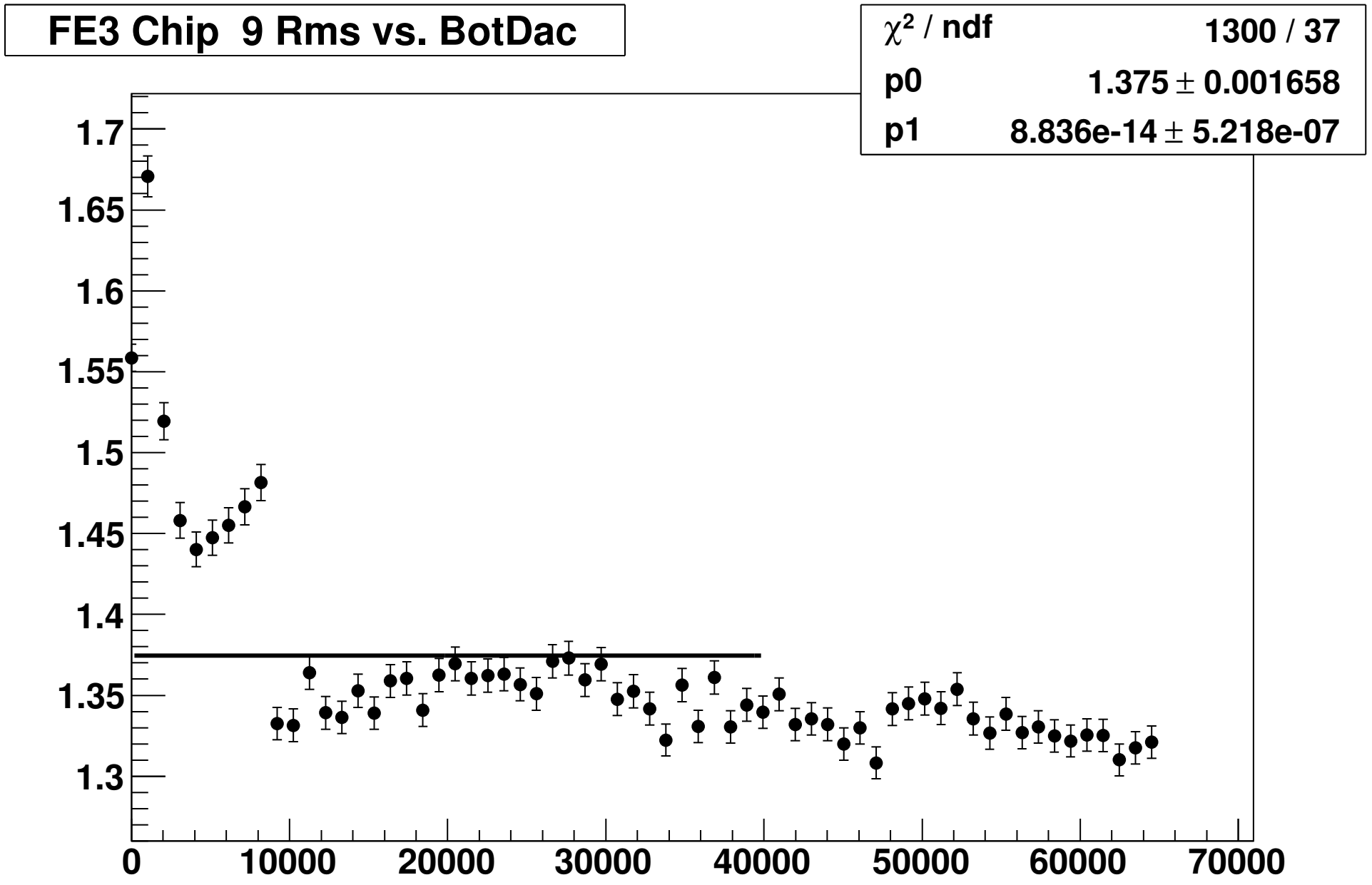

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 2.168e+05 / 37
p0 1.15 ± 0.008551
p1 0.0002754 ± 4.82e-07
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 1.363e+07 / 37
p0 -9.352 ± 0.004949
p1 0.0005966 ± 2.067e-07
10
5
0
-5
-10
-15
-20
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 1300 / 37
p0 1.375 ± 0.001658
p1 8.836e-14 ± 5.218e-07
1.7
1.65
1.6
1.55
1.5
1.45
1.4
1.35
1.3
0
10000
20000
30000
40000
50000
60000
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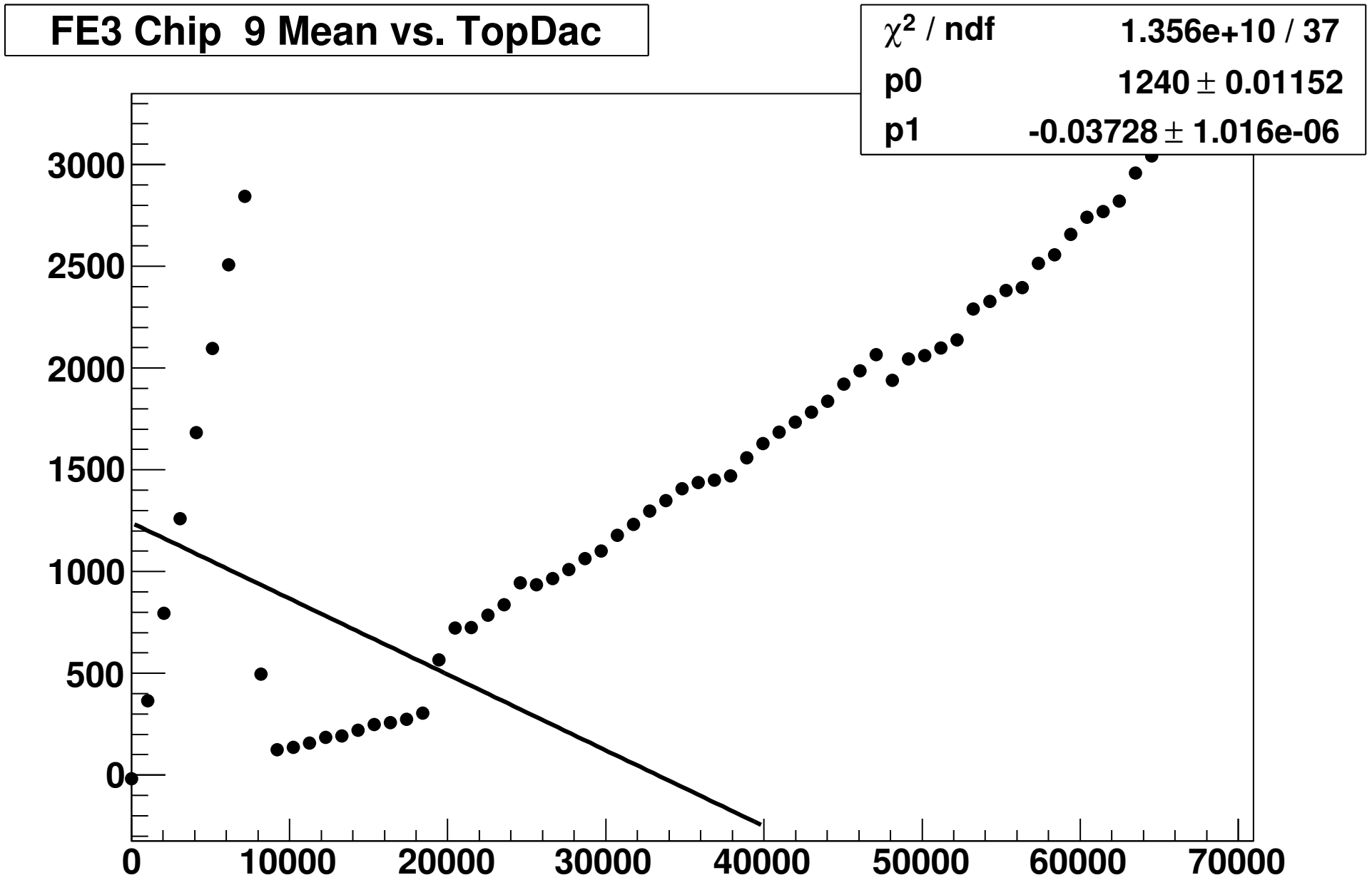
FE3 Chip 9 Mean vs. TopDac
χ² / ndf 1.356e+10 / 37
p0 1240 ± 0.01152
p1 -0.03728 ± 1.016e-06
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
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50000
60000
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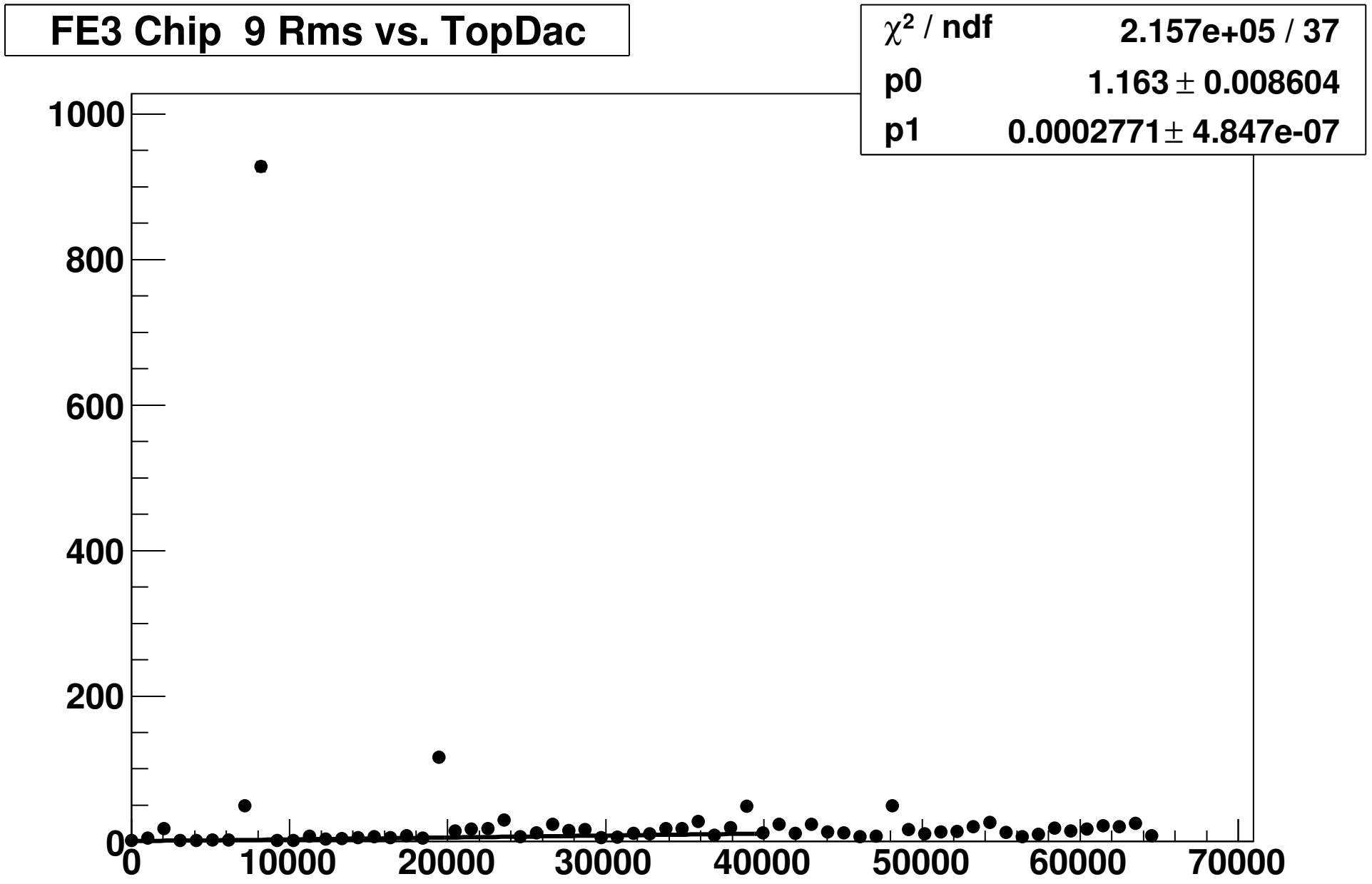
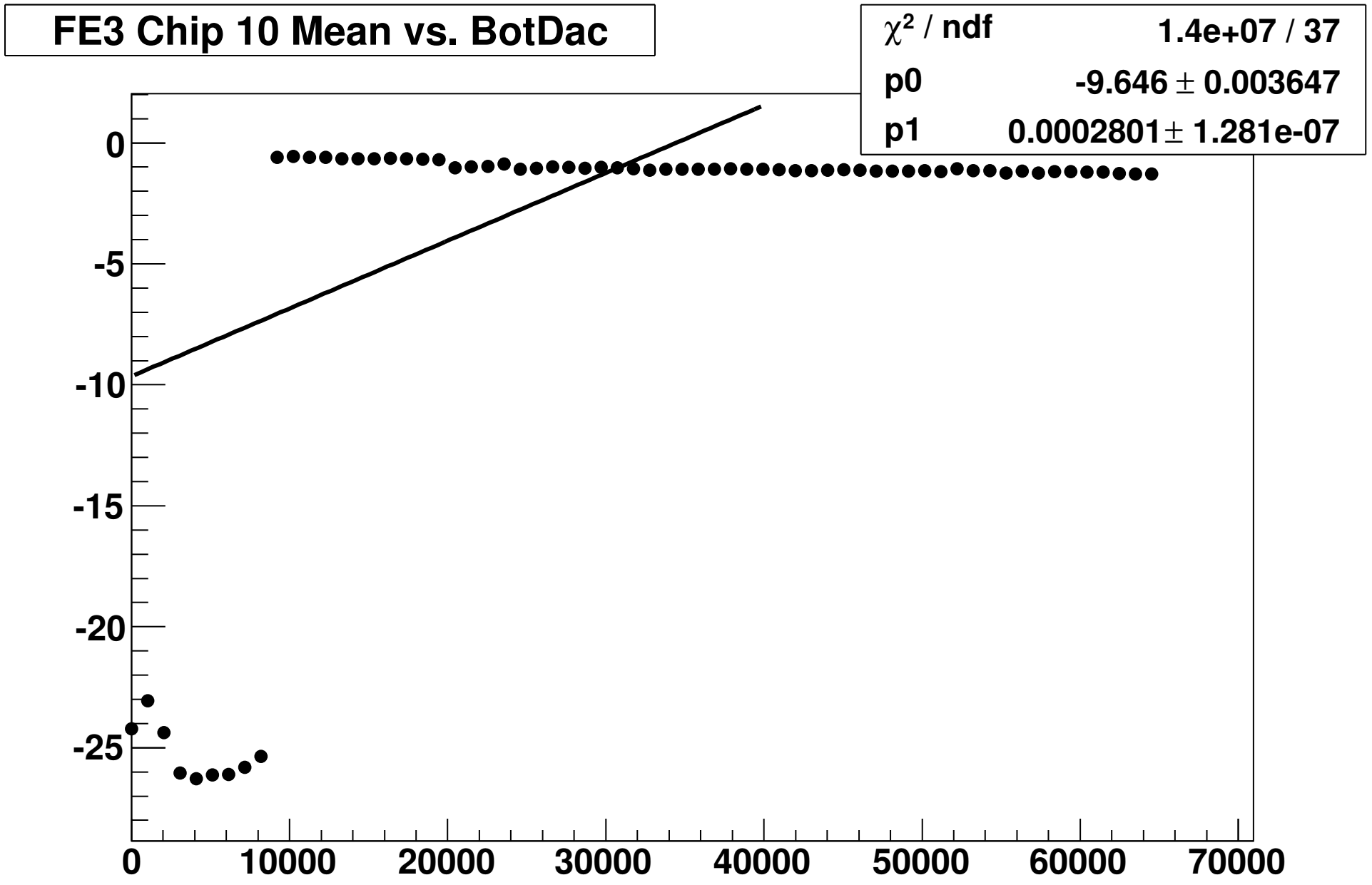
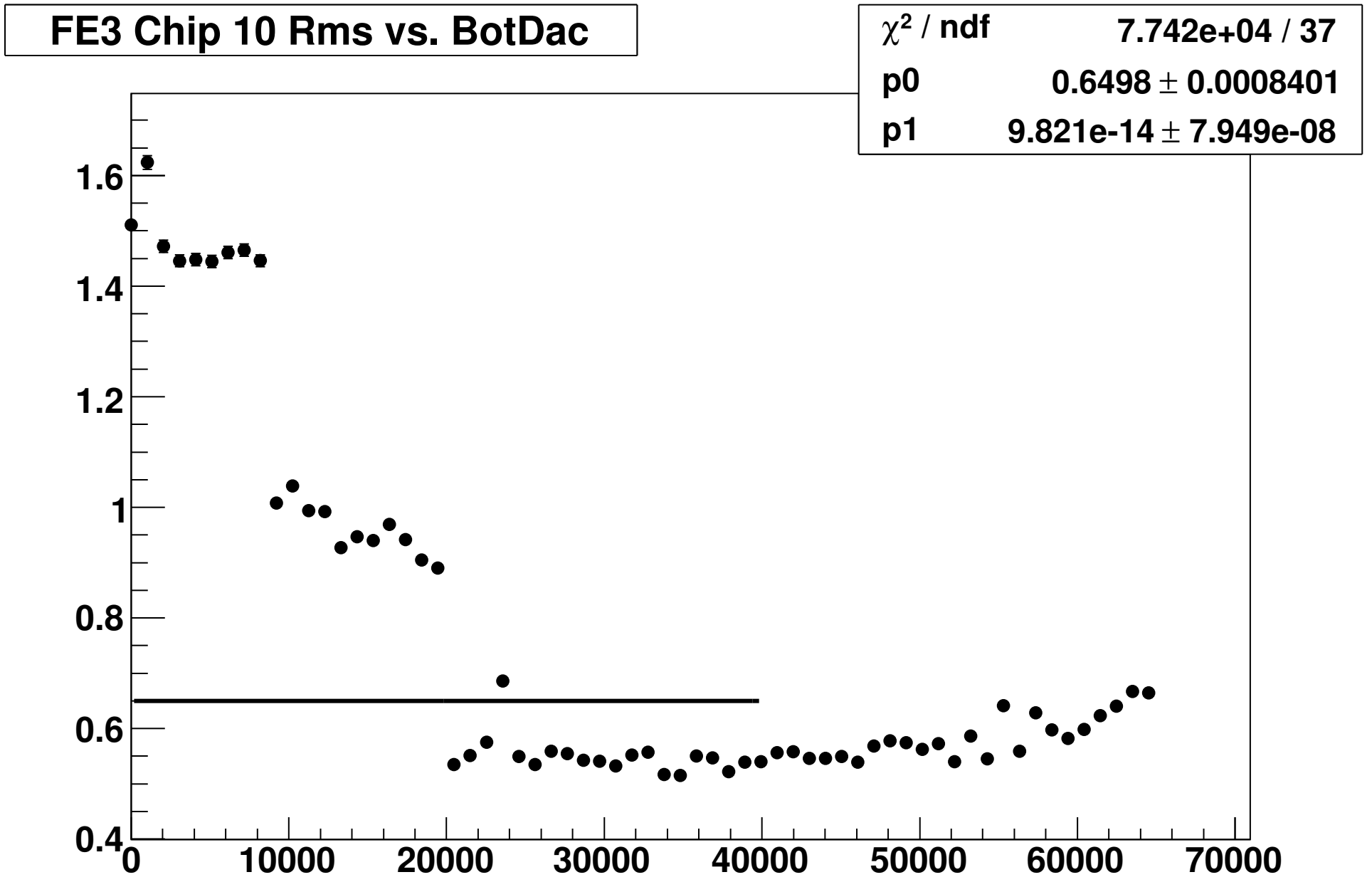

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 2.157e+05 / 37
p0 1.163 ± 0.008604
p1 0.0002771 ± 4.847e-07
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 1.4e+07 / 37
p0 -9.646 ± 0.003647
p1 0.0002801 ± 1.281e-07
0
-5
-10
-15
-20
-25
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 7.742e+04 / 37
p0 0.6498 ± 0.0008401
p1 9.821e-14 ± 7.949e-08
1.6
1.4
1.2
1
0.8
0.6
0.4
0
10000
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30000
40000
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60000
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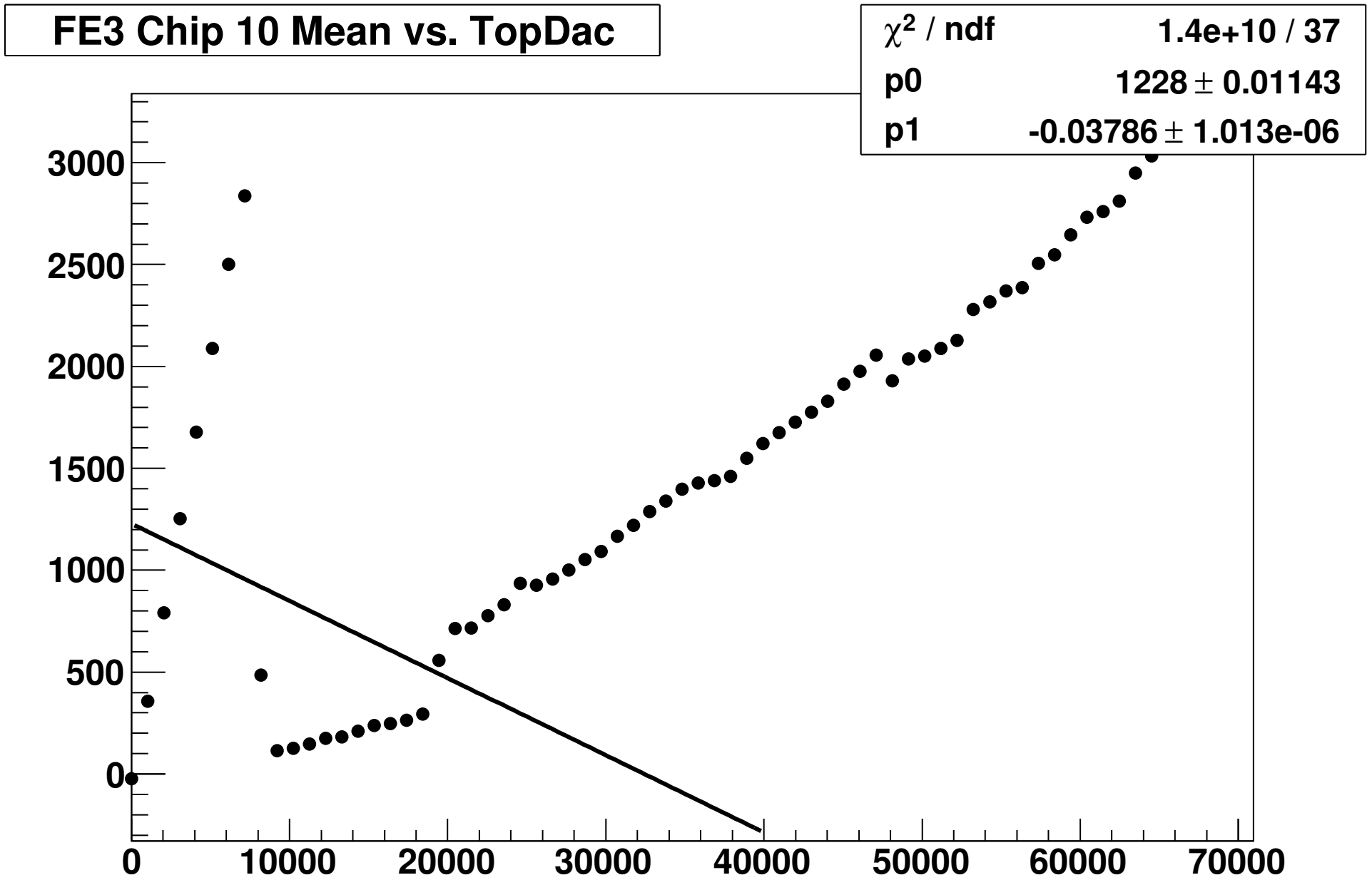
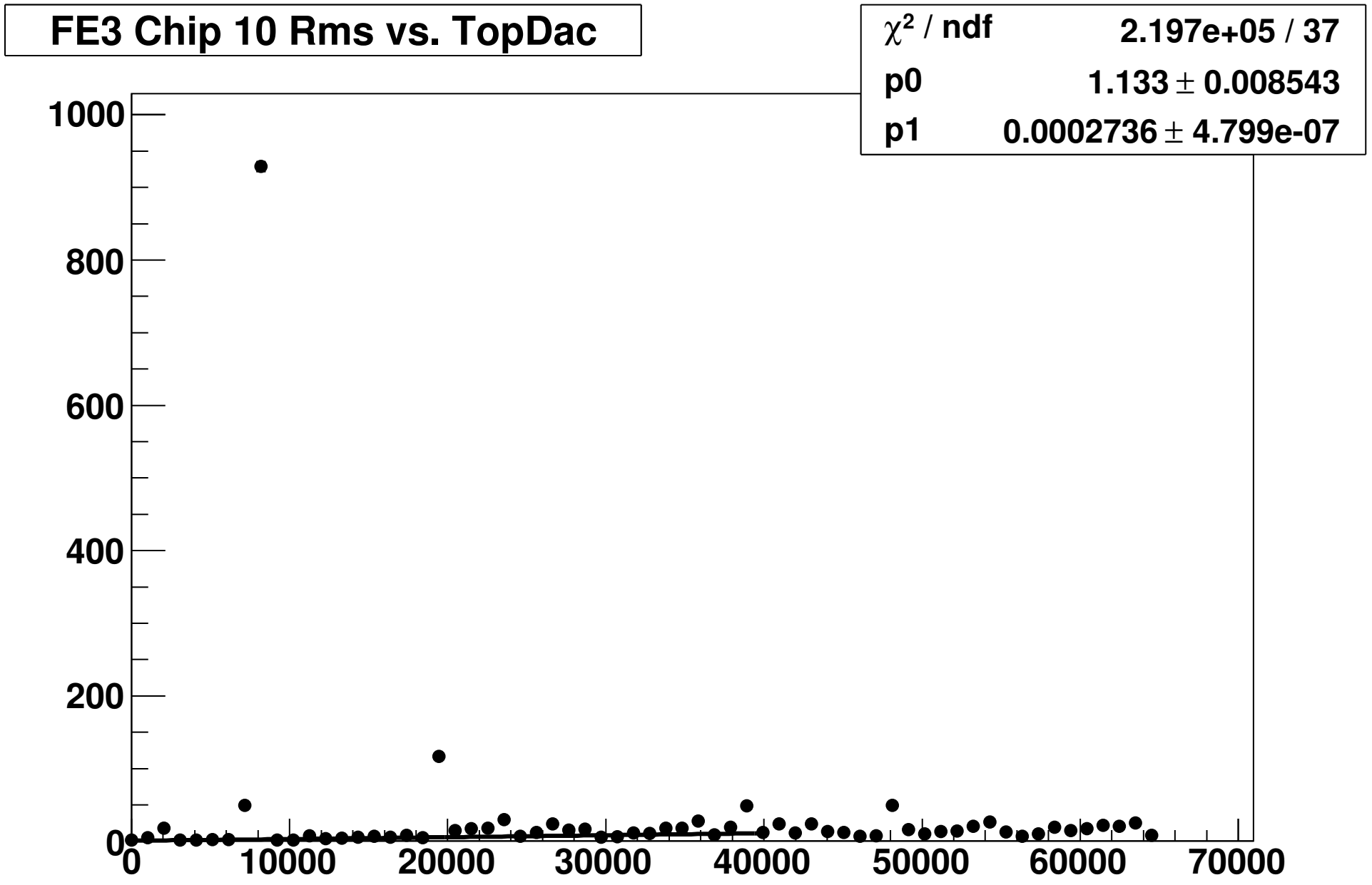
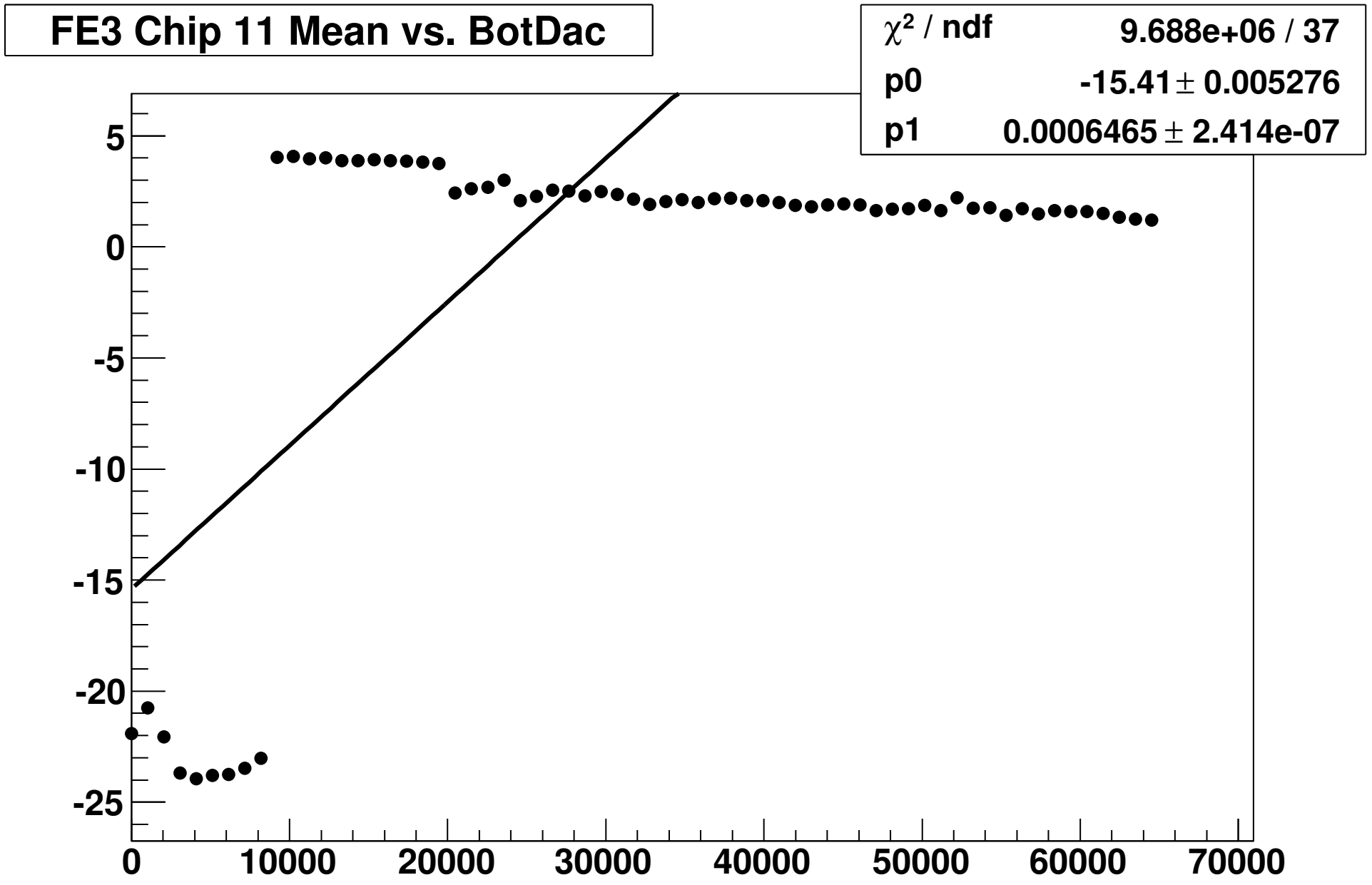

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 1.4e+10 / 37
p0 1228 ± 0.01143
p1 -0.03786 ± 1.013e-06
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 2.197e+05 / 37
p0 1.133 ± 0.008543
p1 0.0002736 ± 4.799e-07
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 9.688e+06 / 37
p0 -15.41 ± 0.005276
p1 0.0006465 ± 2.414e-07
5
0
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-10
-15
-20
-25
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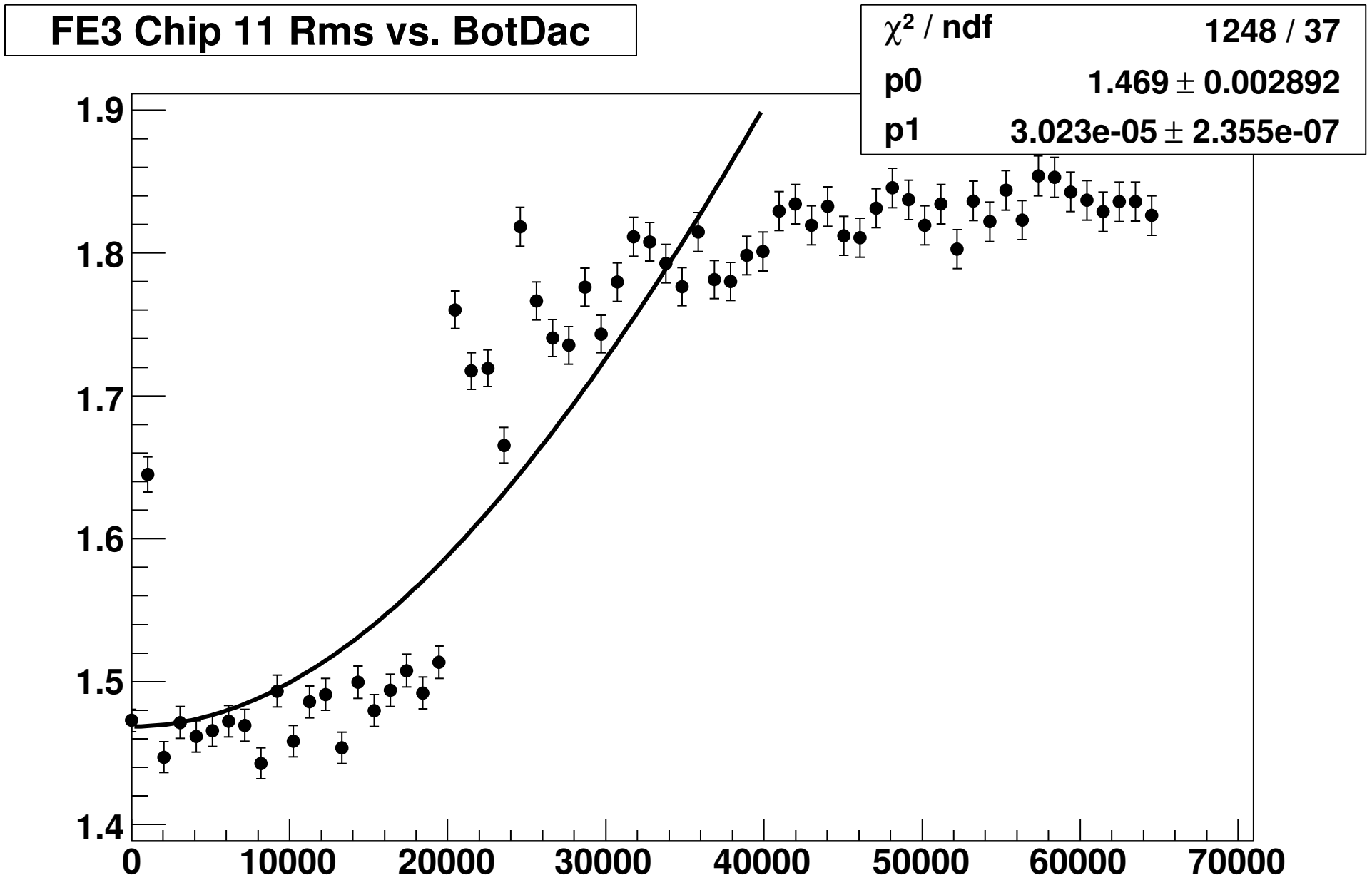
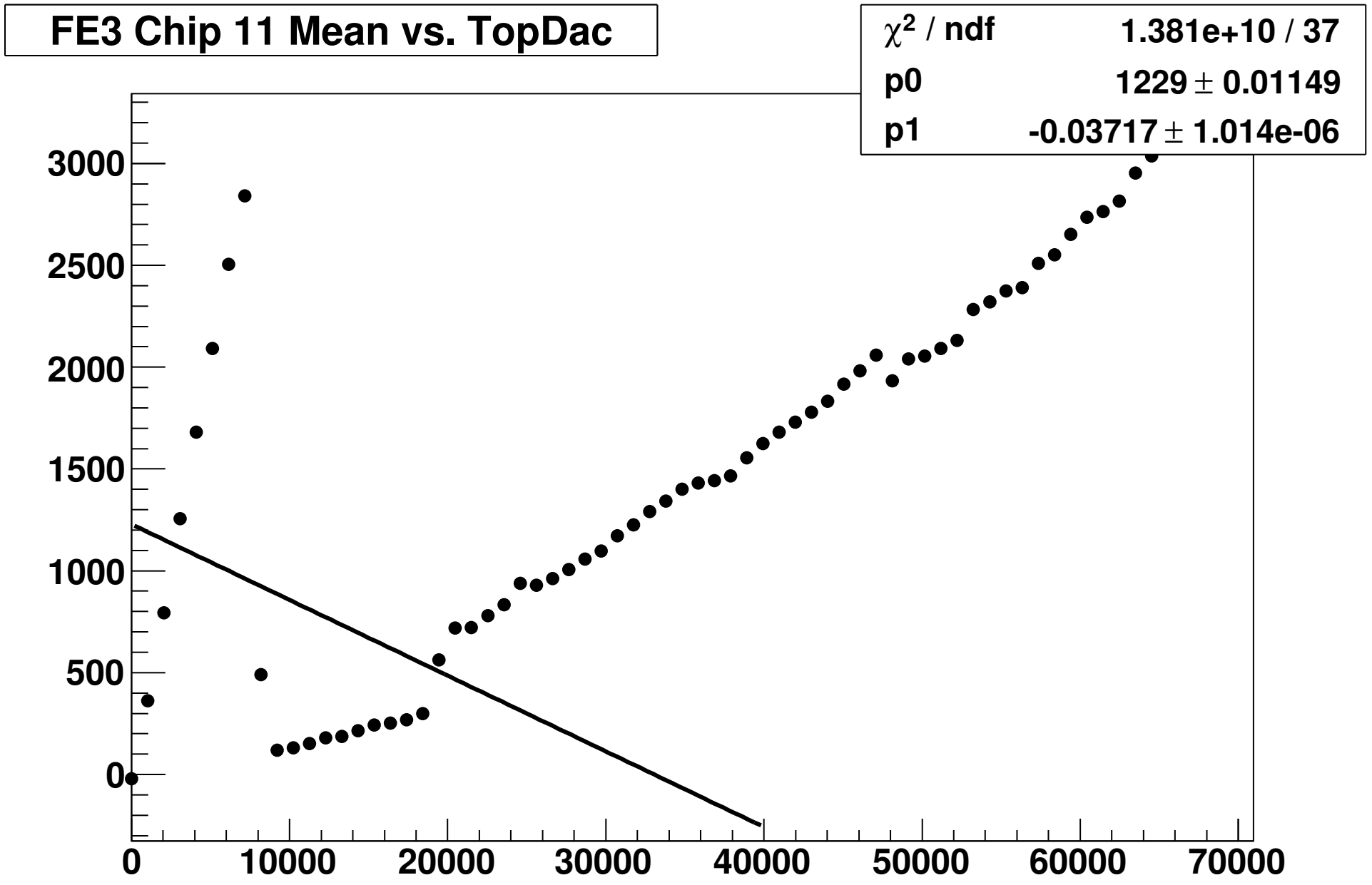
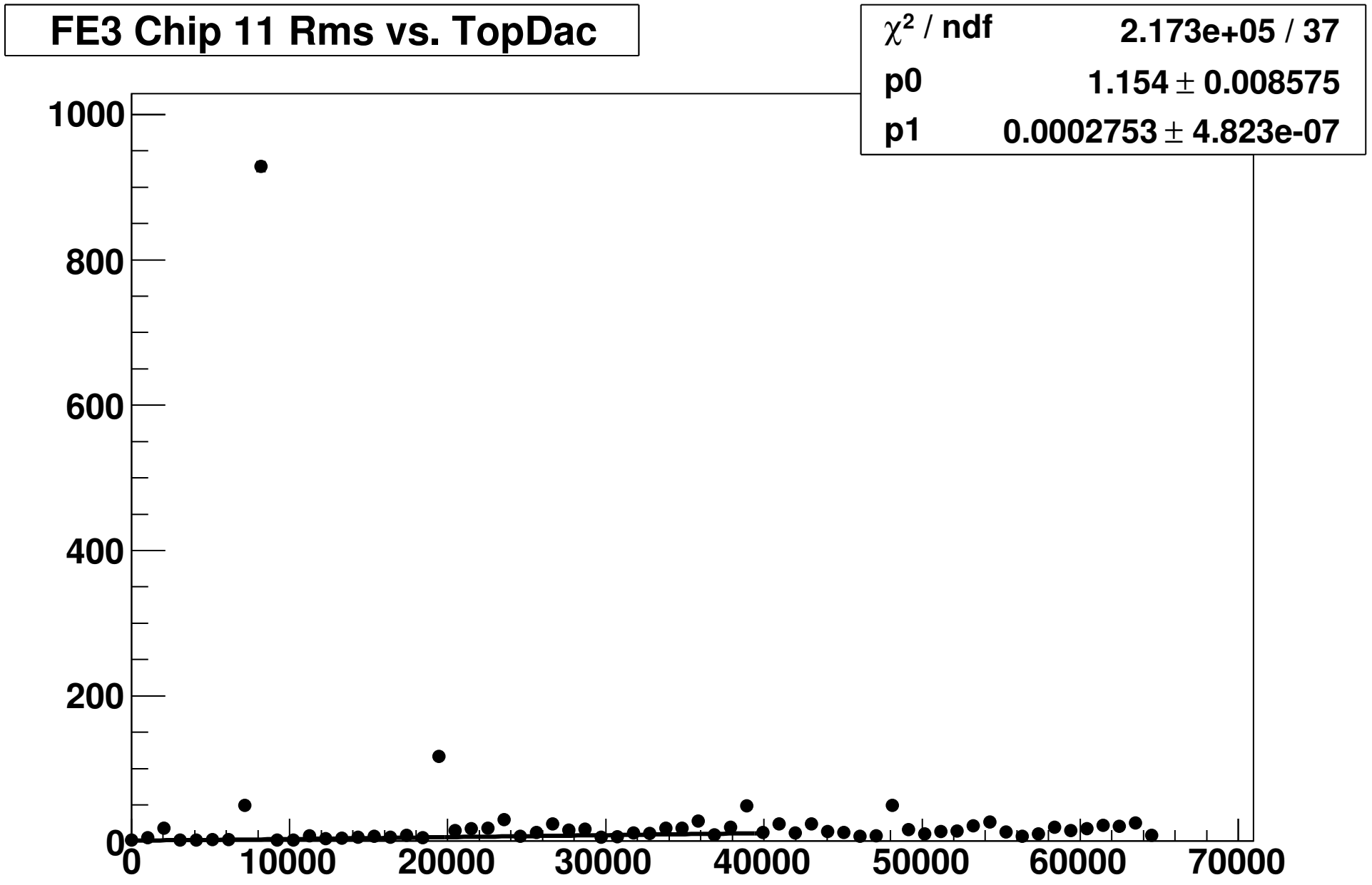
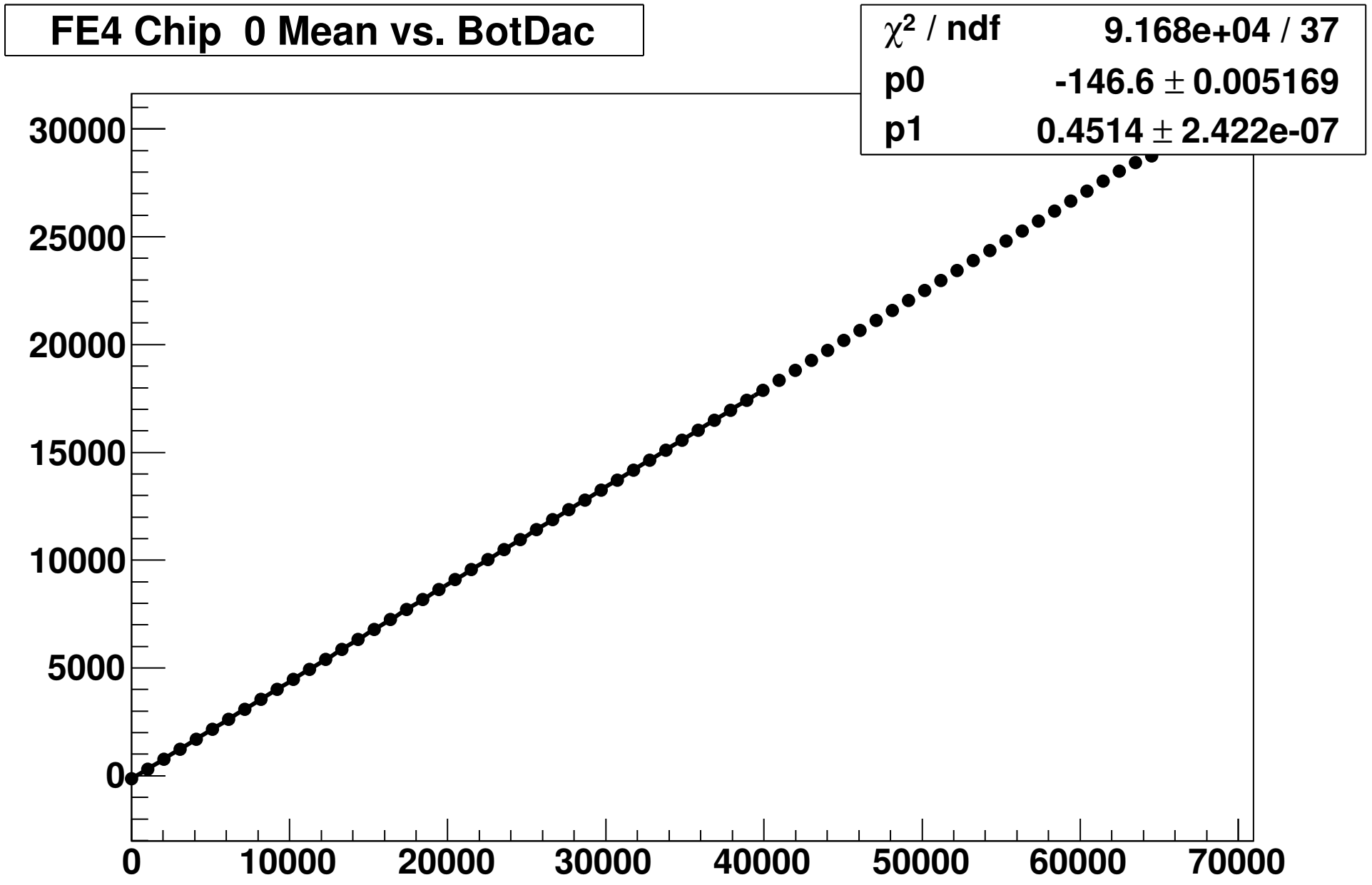
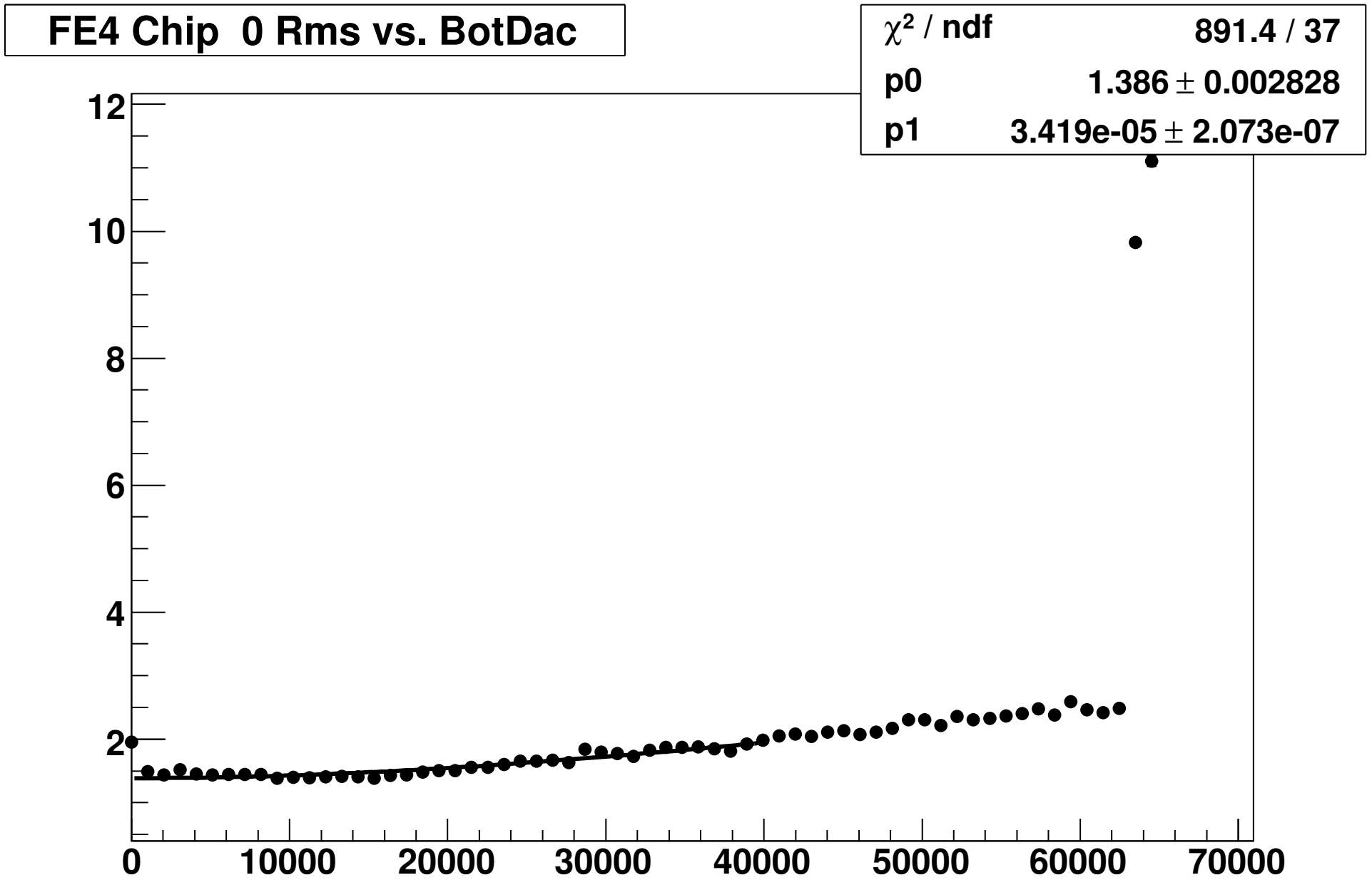
40000
50000
60000
70000

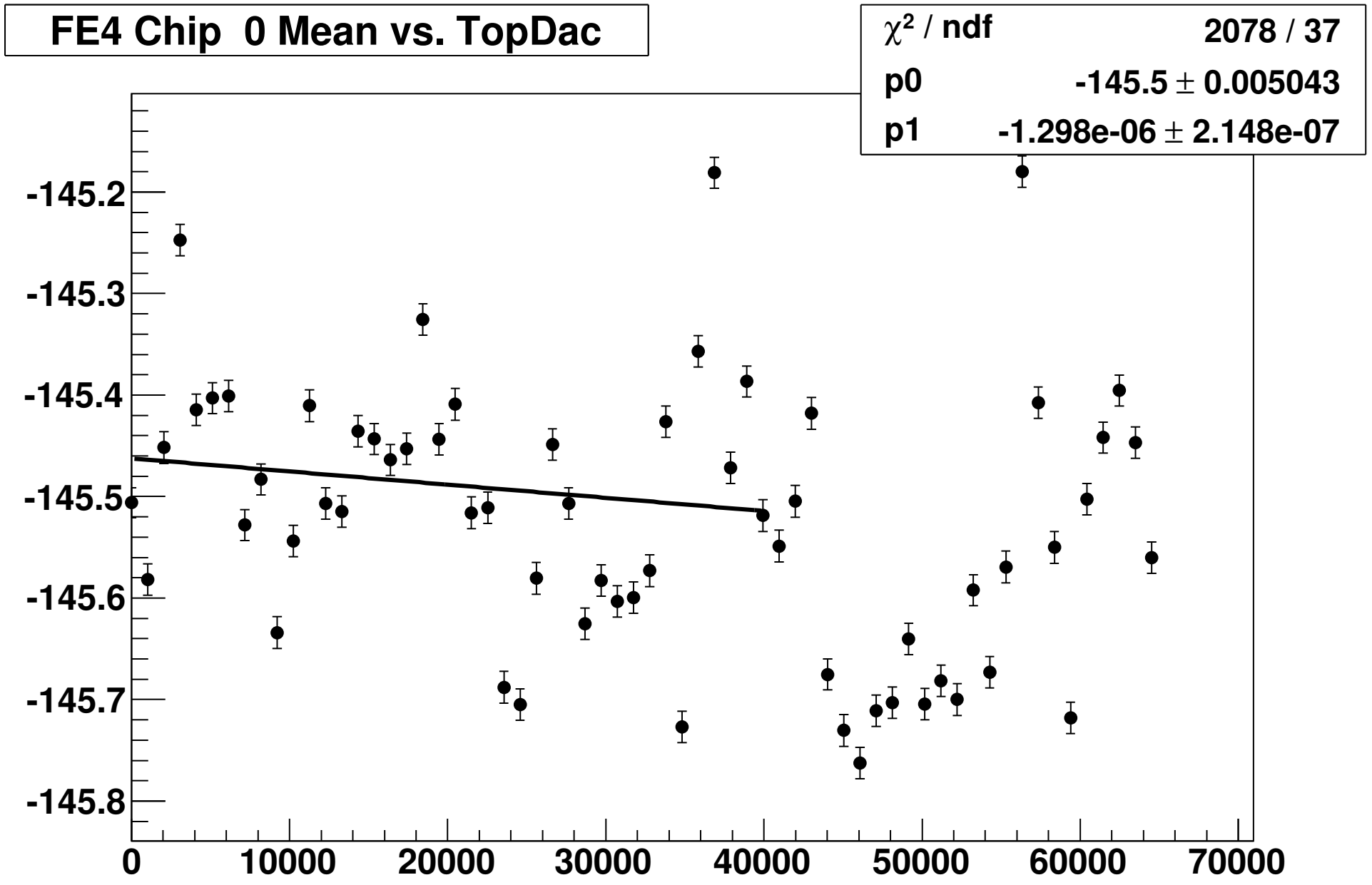

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 1248 / 37
p0 1.469 ± 0.002892
p1 3.023e-05 ± 2.355e-07
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000
70000

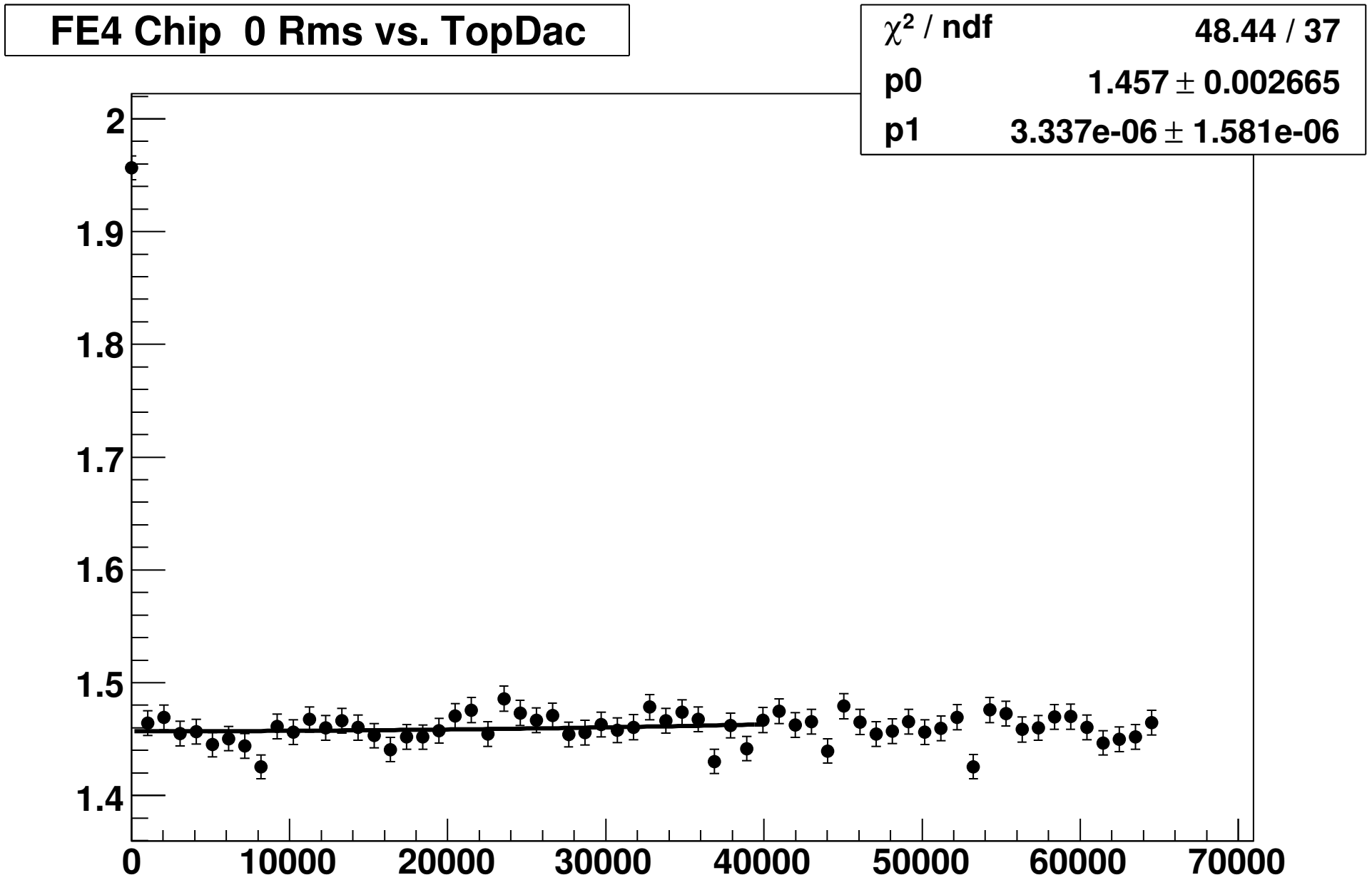

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 1.381e+10 / 37
p0 1229 ± 0.01149
p1 -0.03717 ± 1.014e-06
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

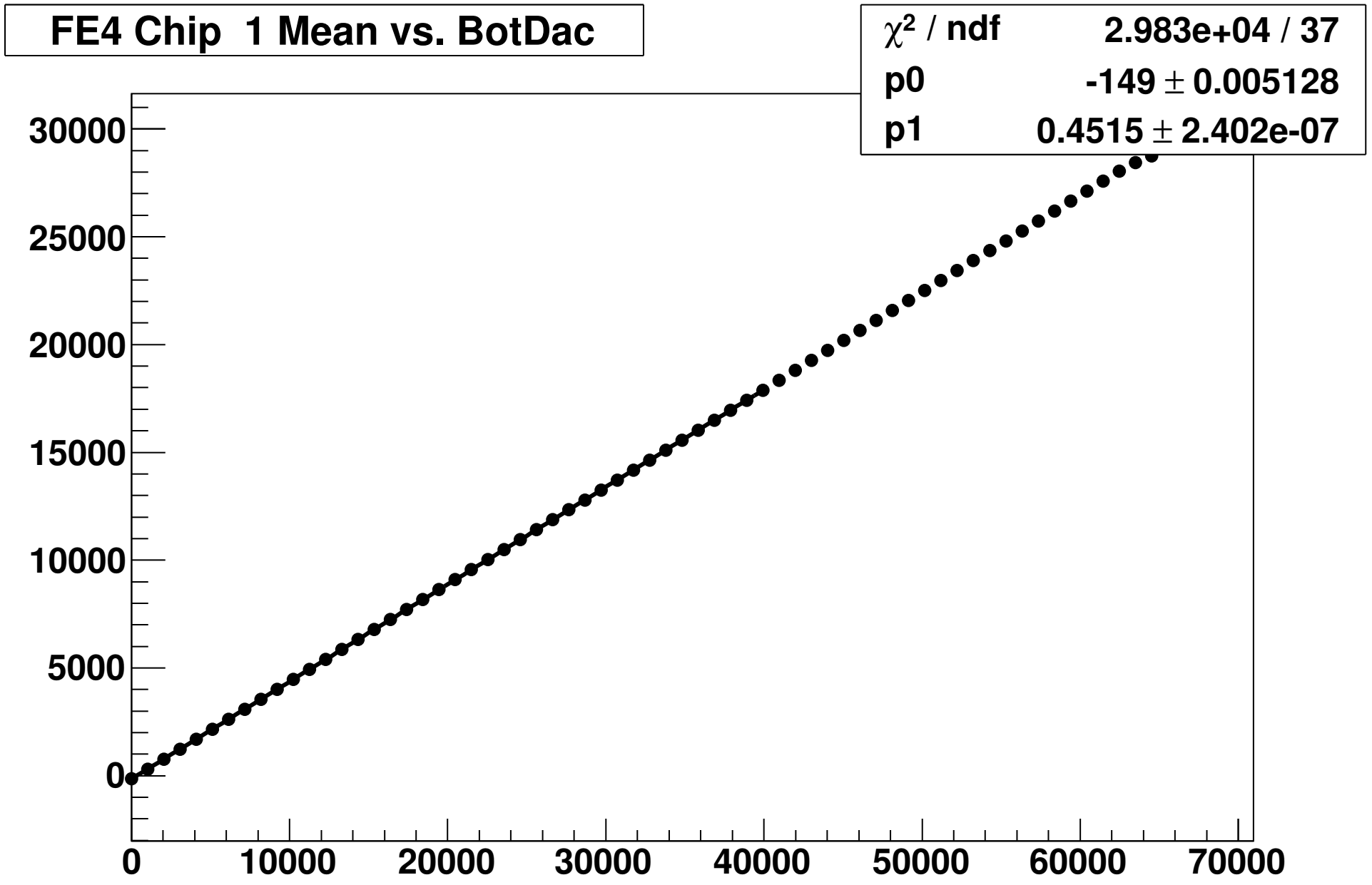

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 2.173e+05 / 37
p0 1.154 ± 0.008575
p1 0.0002753 ± 4.823e-07
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

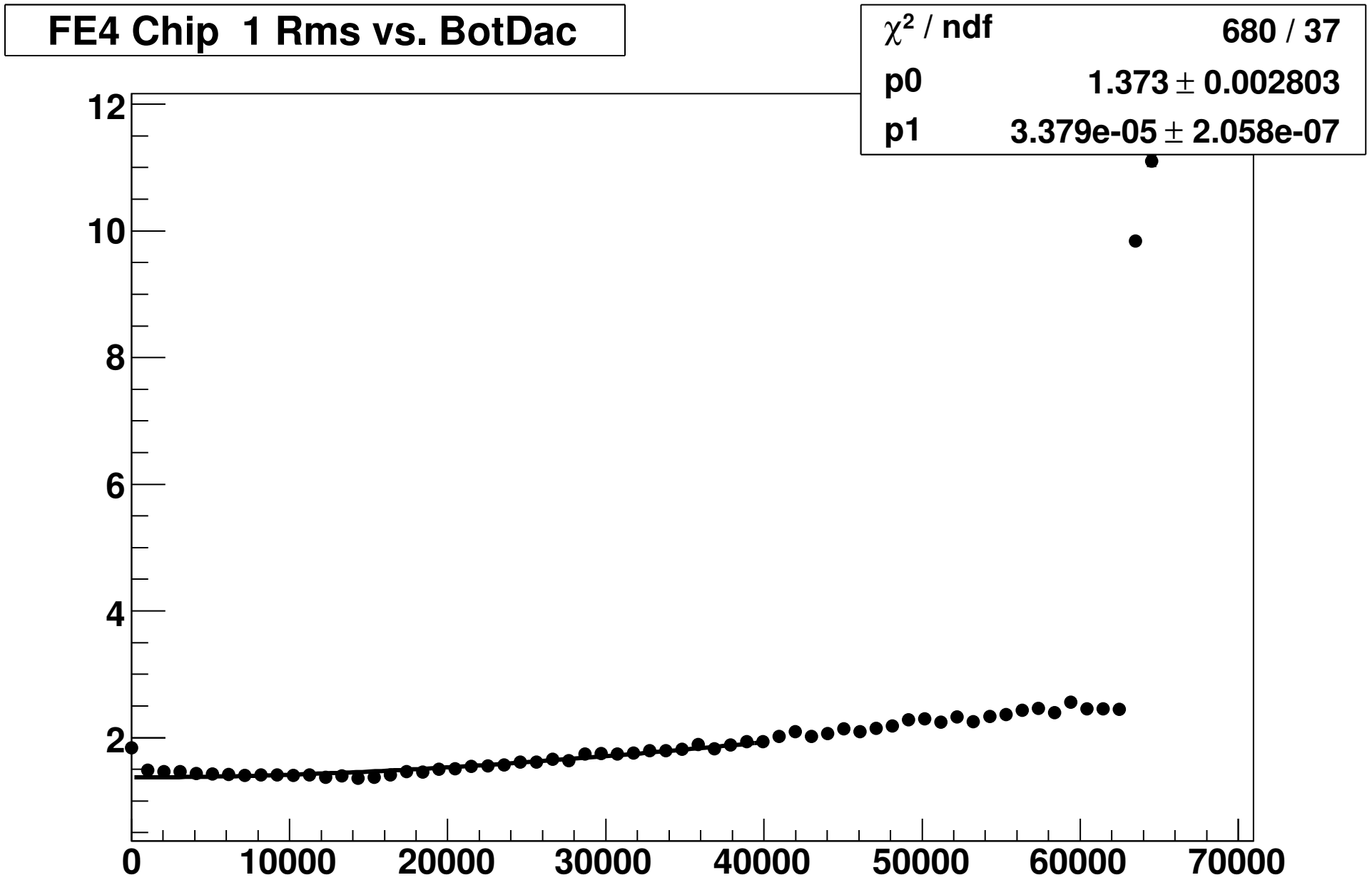

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 9.168e+04 / 37
p0 -146.6 ± 0.005169
p1 0.4514 ± 2.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

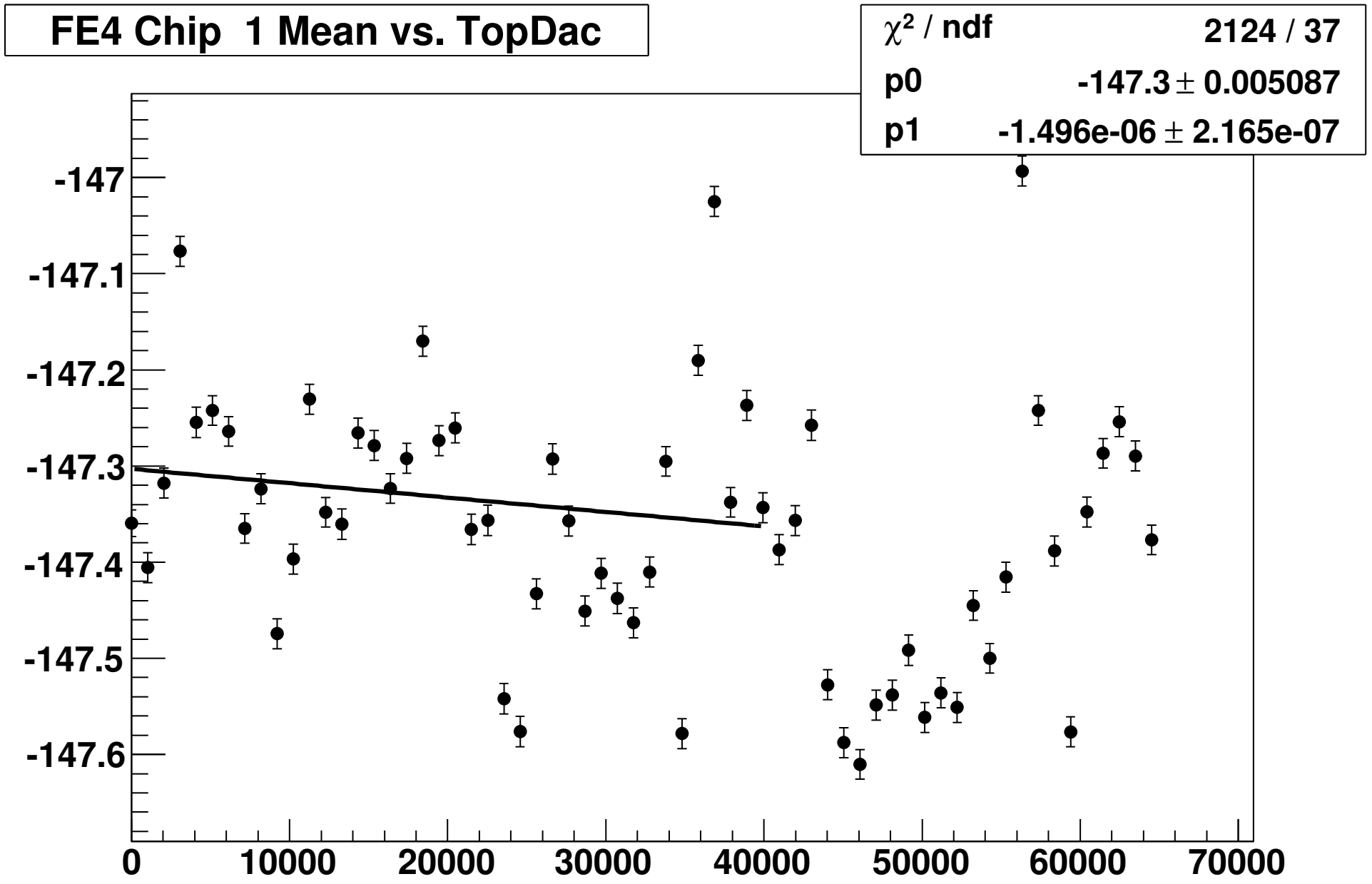

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 891.4 / 37
p0 1.386 ± 0.002828
p1 3.419e-05 ± 2.073e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 2078 / 37
p0 -145.5 ± 0.005043
p1 -1.298e-06 ± 2.148e-07
-145.2
-145.3
-145.4
-145.5
-145.6
-145.7
-145.8
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 48.44 / 37
p0 1.457 ± 0.002665
p1 3.337e-06 ± 1.581e-06
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 2.983e+04 / 37
p0 -149 ± 0.005128
p1 0.4515 ± 2.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 680 / 37
p0 1.373 ± 0.002803
p1 3.379e-05 ± 2.058e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 2124 / 37
p0 -147.3 ± 0.005087
p1 -1.496e-06 ± 2.165e-07
-147
-147.1
-147.2
-147.3
-147.4
-147.5
-147.6
0
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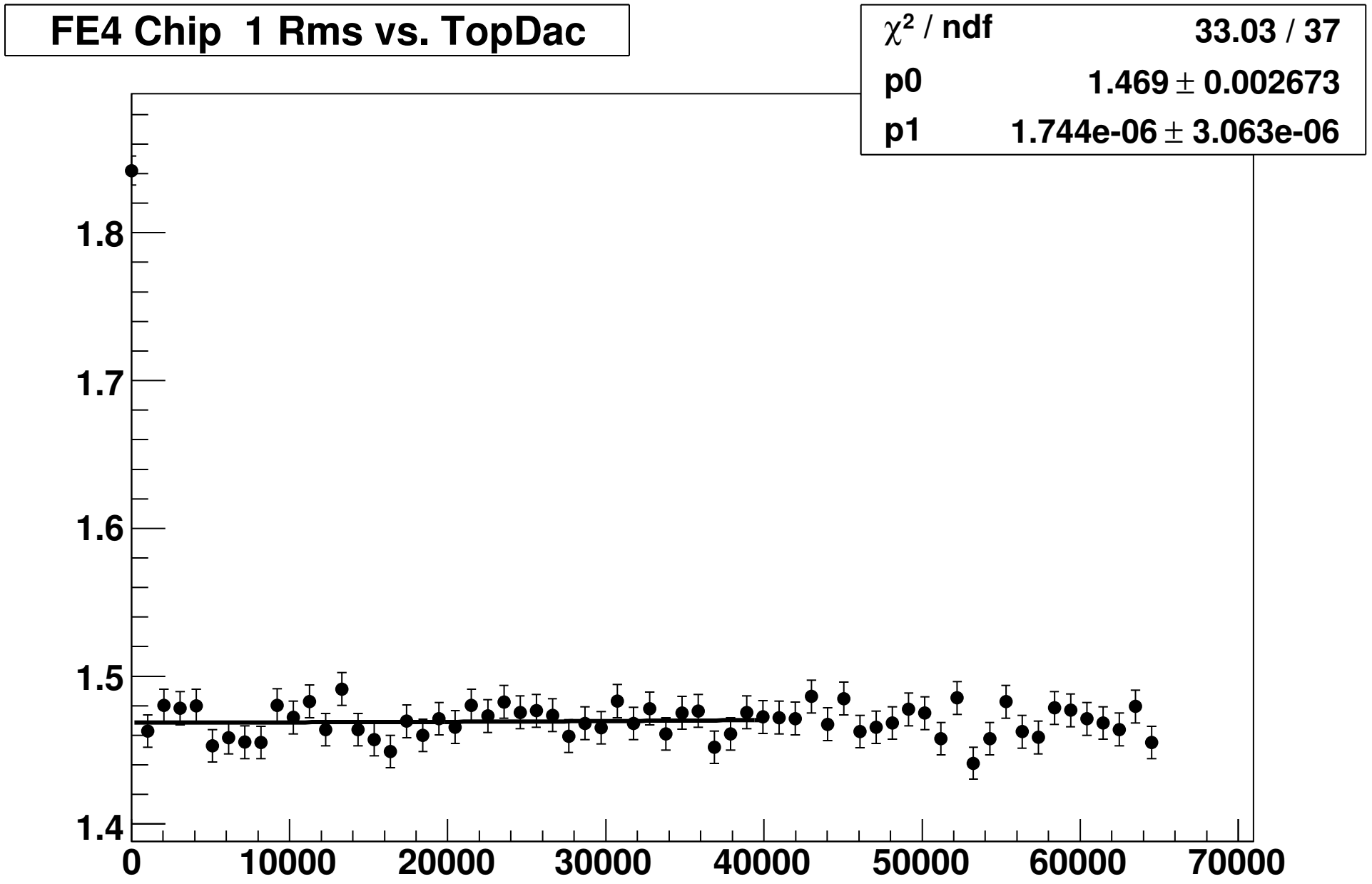
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 33.03 / 37
p0 1.469 ± 0.002673
p1 1.744e-06 ± 3.063e-06
1.8
1.7
1.6
1.5
1.4
0
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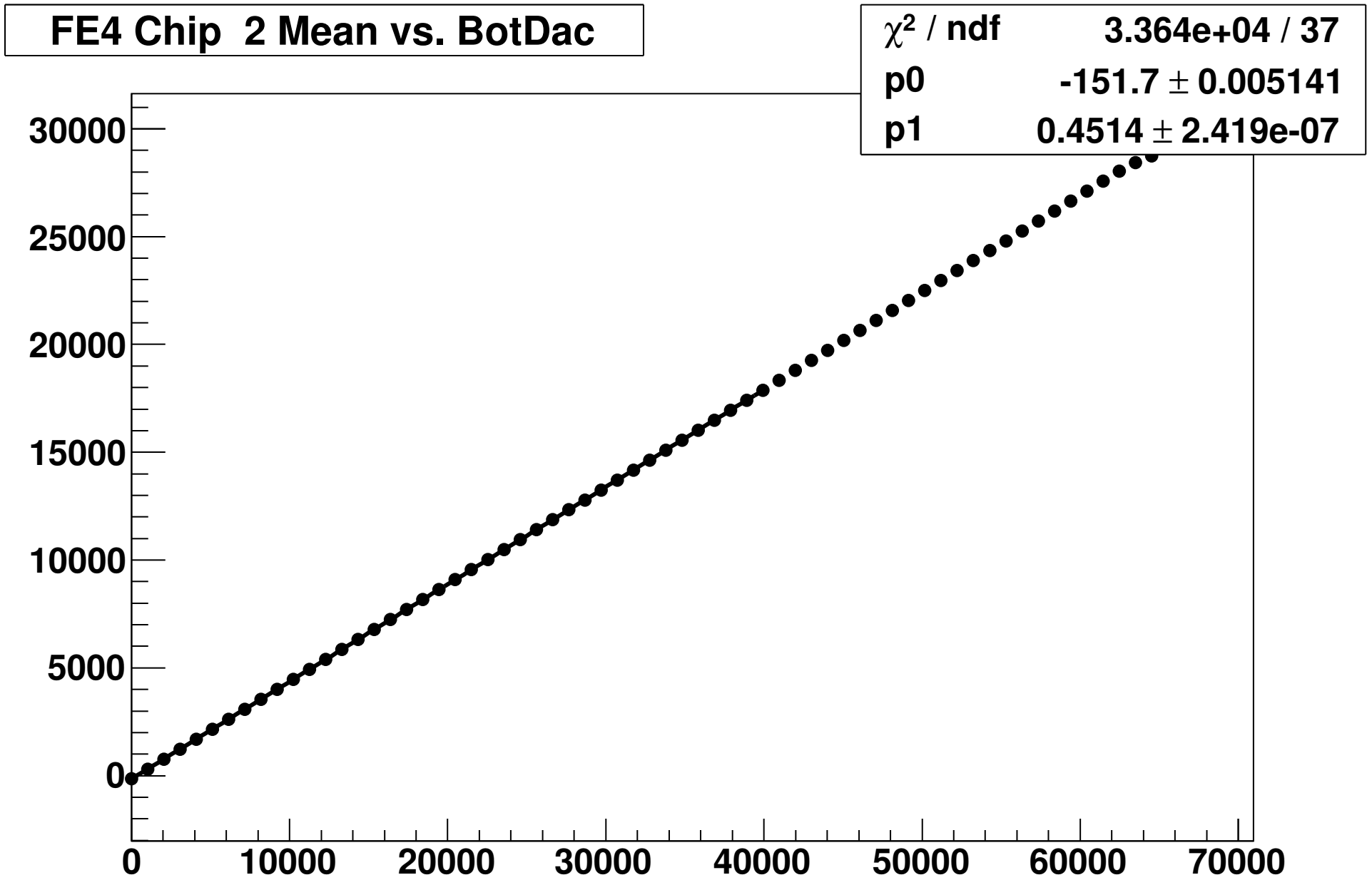
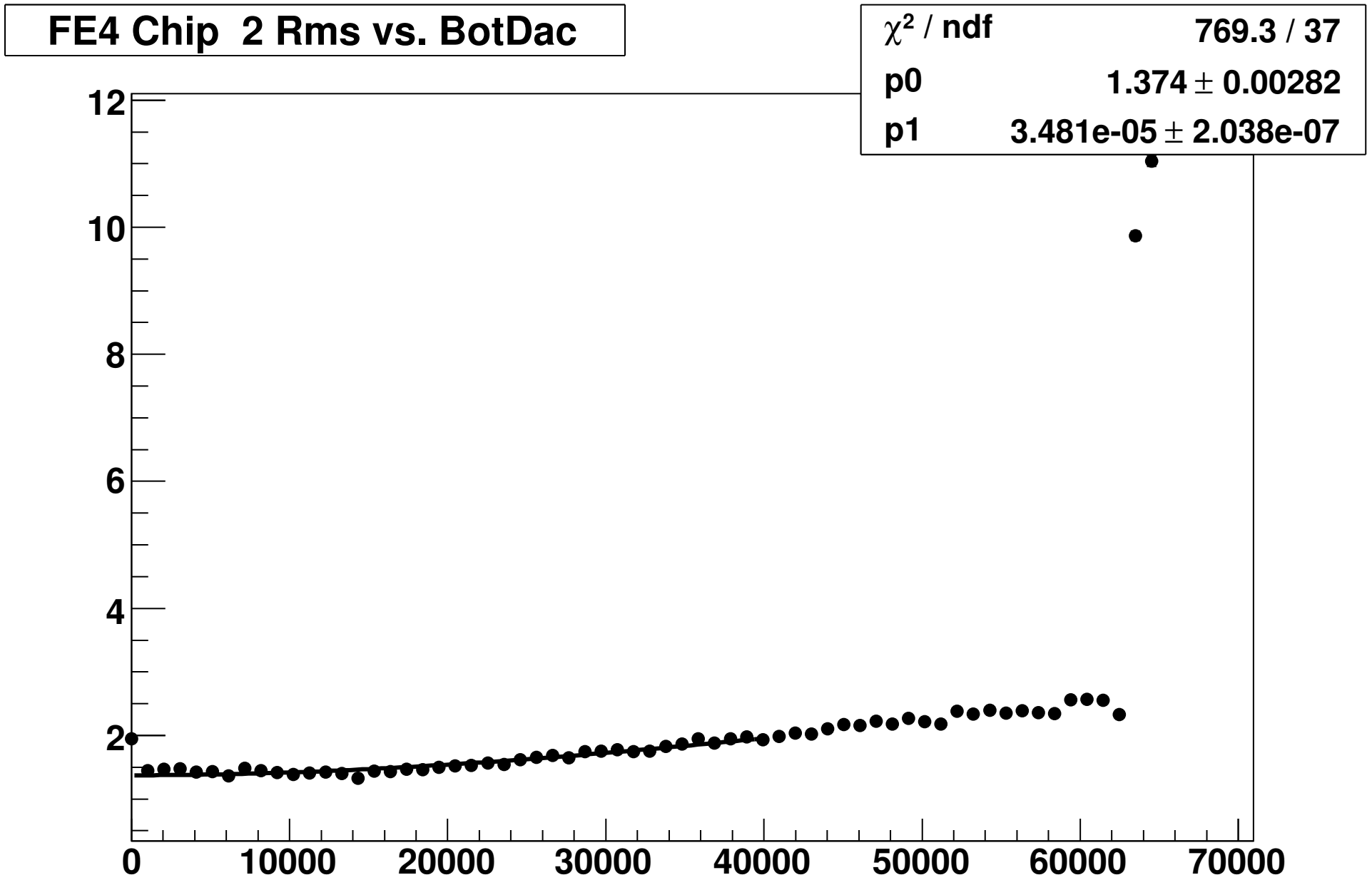

FE4 Chip 2 Mean vs. BotDac
χ² / ndf 3.364e+04 / 37
p0 -151.7 ± 0.005141
p1 0.4514 ± 2.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 769.3 / 37
p0 1.374 ± 0.00282
p1 3.481e-05 ± 2.038e-07
12
10
8
6
4
2
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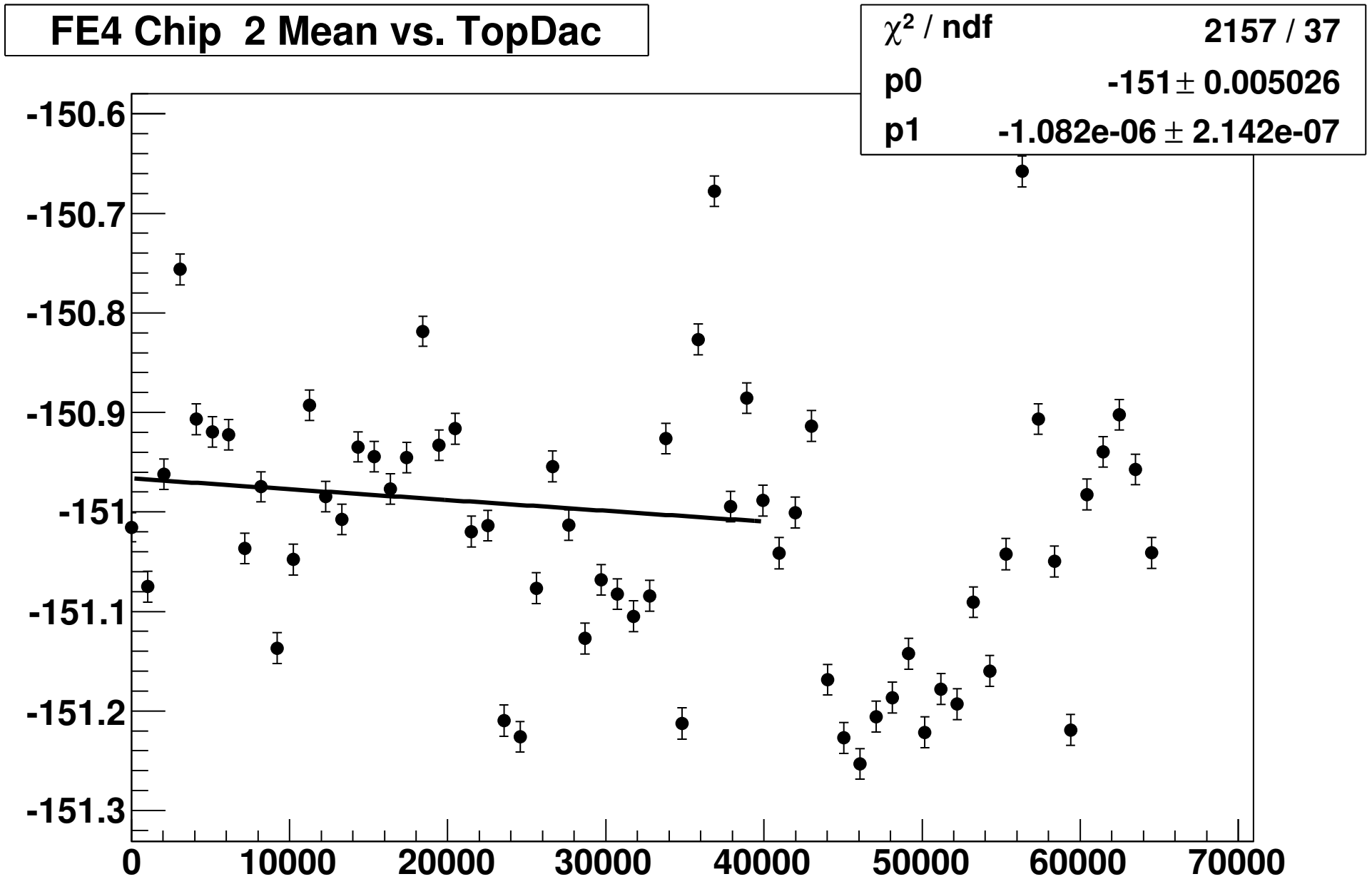
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 2157 / 37
p0 -151 ± 0.005026
p1 -1.082e-06 ± 2.142e-07
-150.6
-150.7
-150.8
-150.9
-151
-151.1
-151.2
-151.3
0
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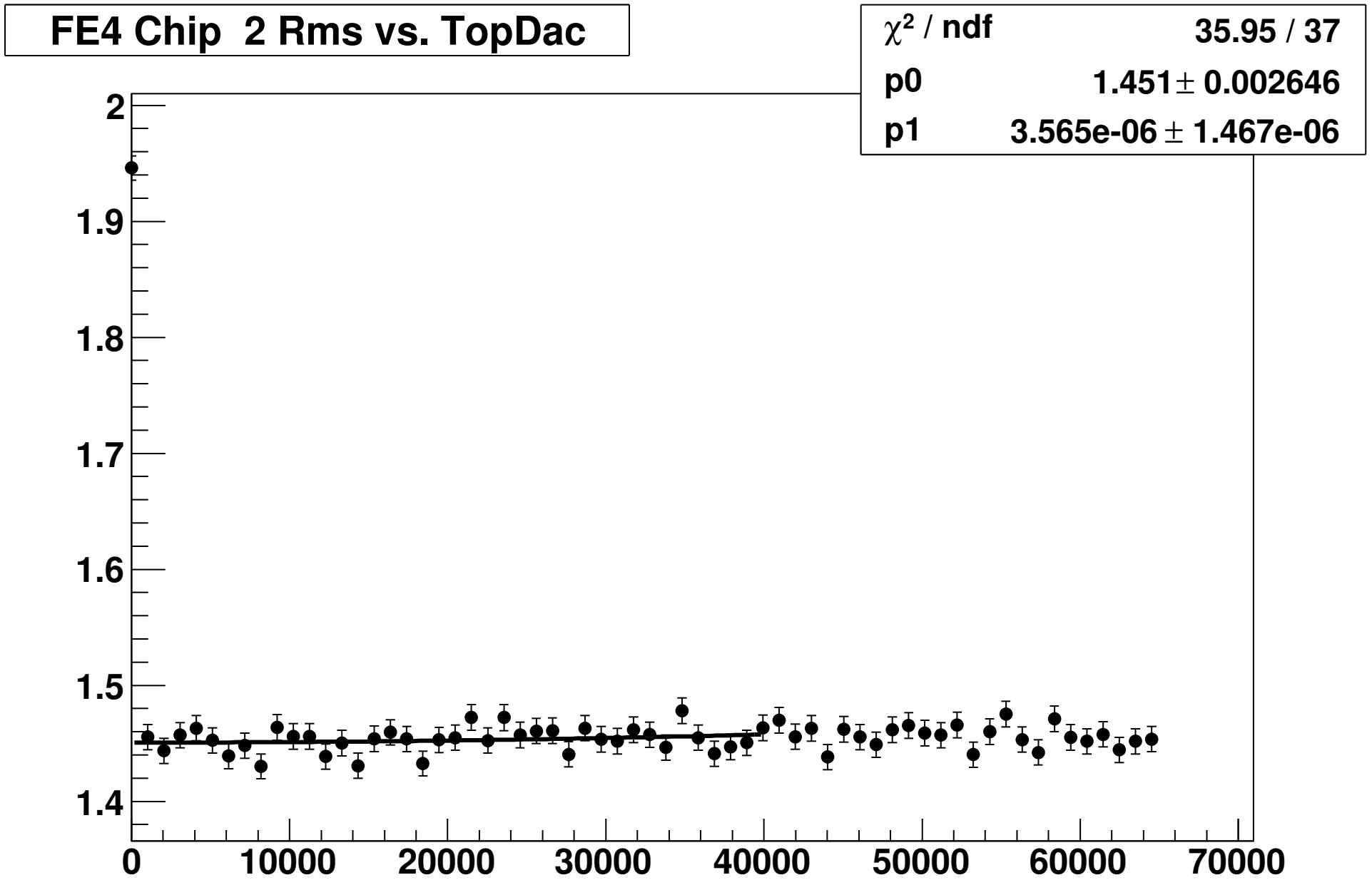
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 35.95 / 37
p0 1.451 ± 0.002646
p1 3.565e-06 ± 1.467e-06
2
1.9
1.8
1.7
1.6
1.5
1.4
0
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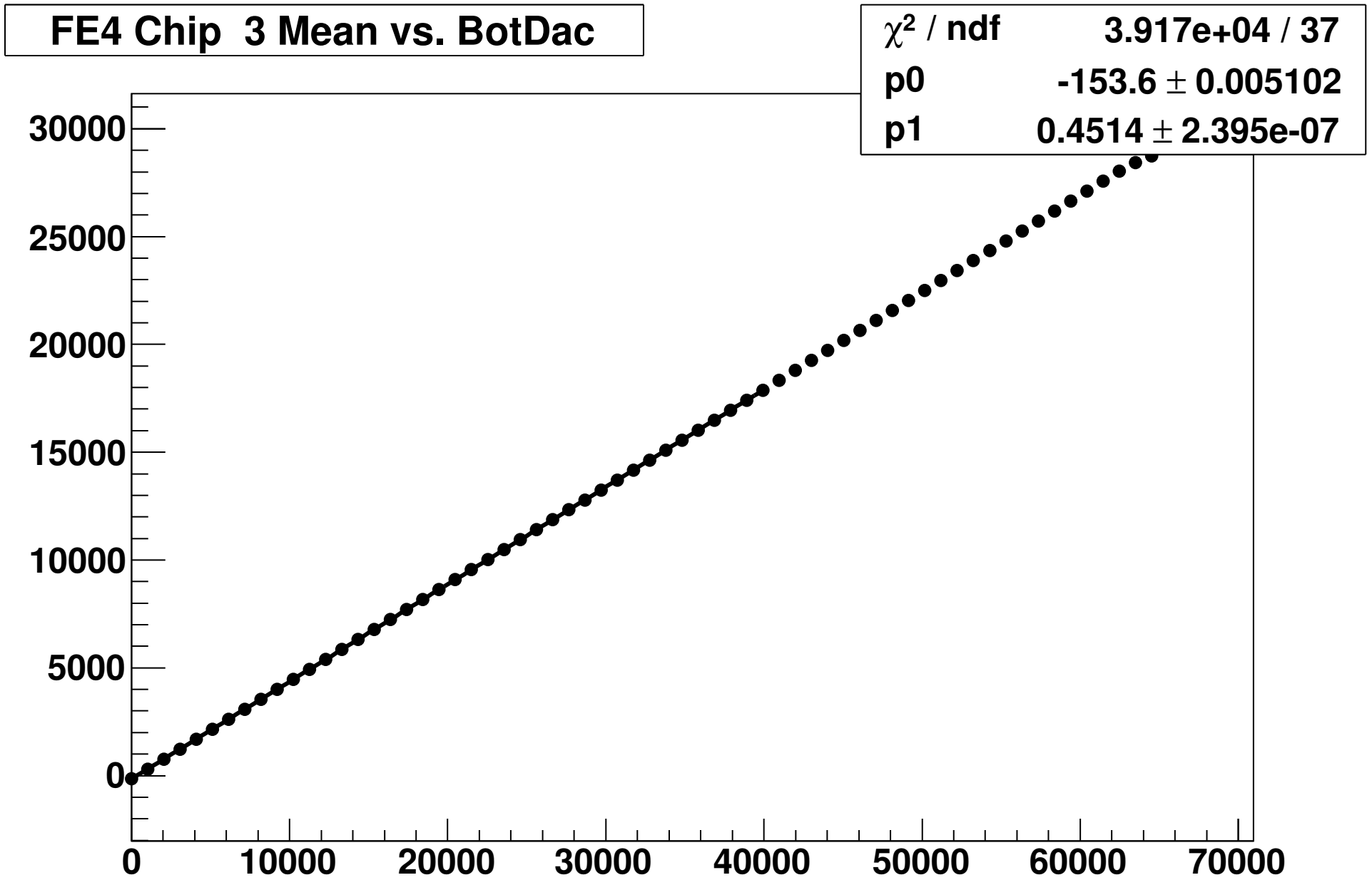
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 3.917e+04 / 37
p0 -153.6 ± 0.005102
p1 0.4514 ± 2.395e-07
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25000
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15000
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5000
0
0
10000
20000
30000
40000
50000
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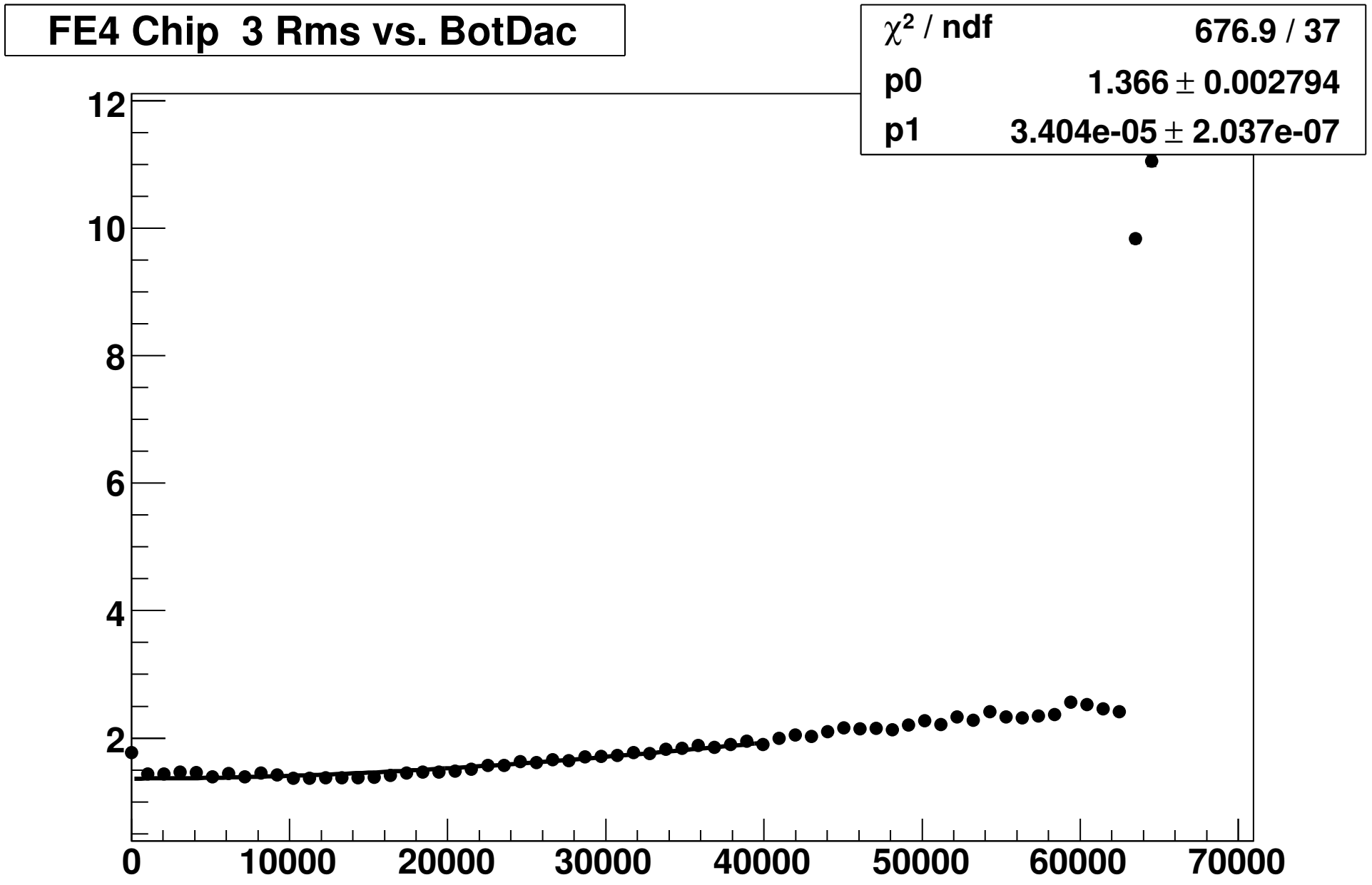
FE4 Chip 3 Rms vs. BotDac
χ² / ndf 676.9 / 37
p0 1.366 ± 0.002794
p1 3.404e-05 ± 2.037e-07
12
10
8
6
4
2
0
10000
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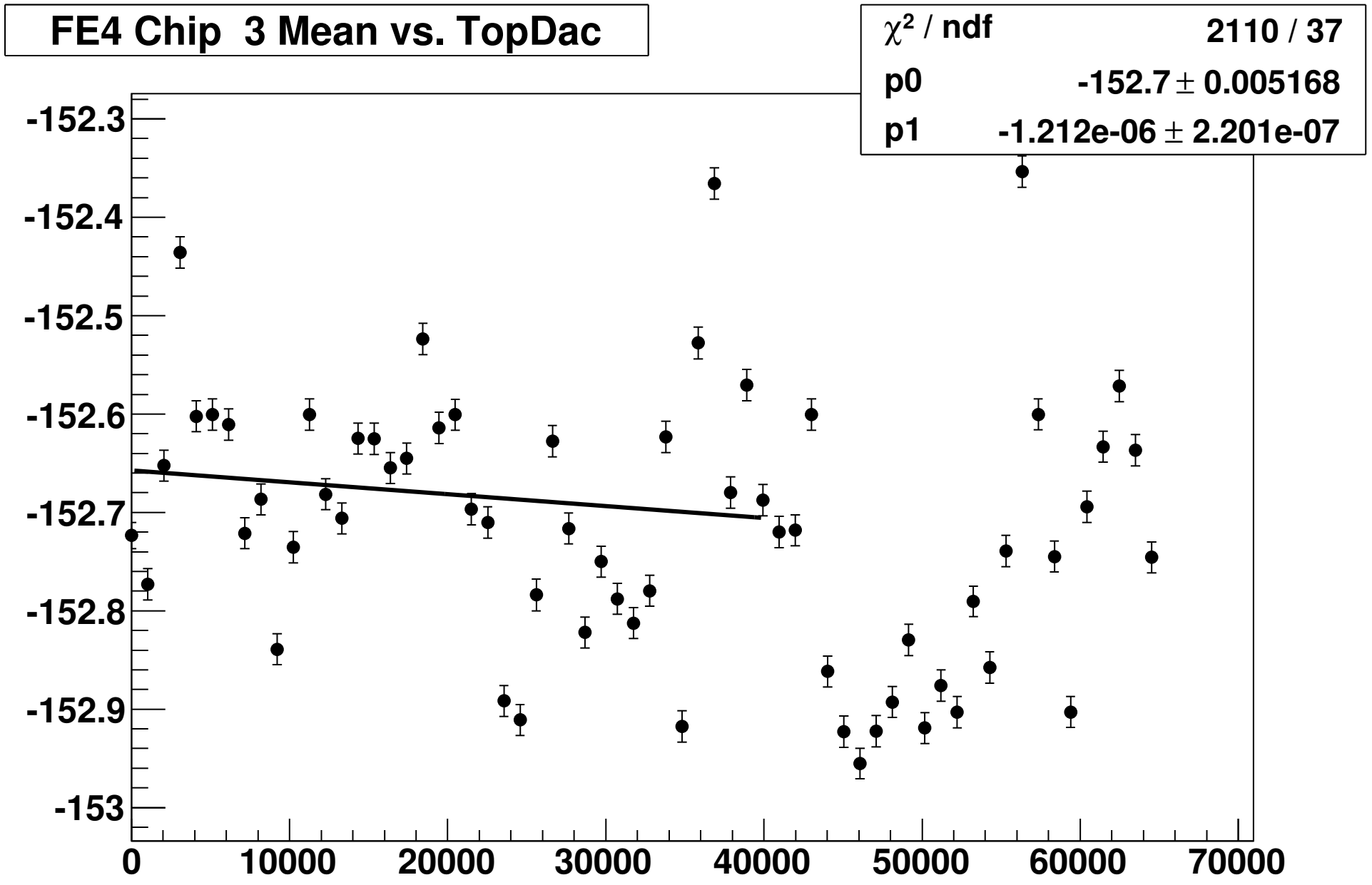
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 2110 / 37
p0 -152.7 ± 0.005168
p1 -1.212e-06 ± 2.201e-07
-152.3
-152.4
-152.5
-152.6
-152.7
-152.8
-152.9
-153
0
10000
20000
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50000
60000
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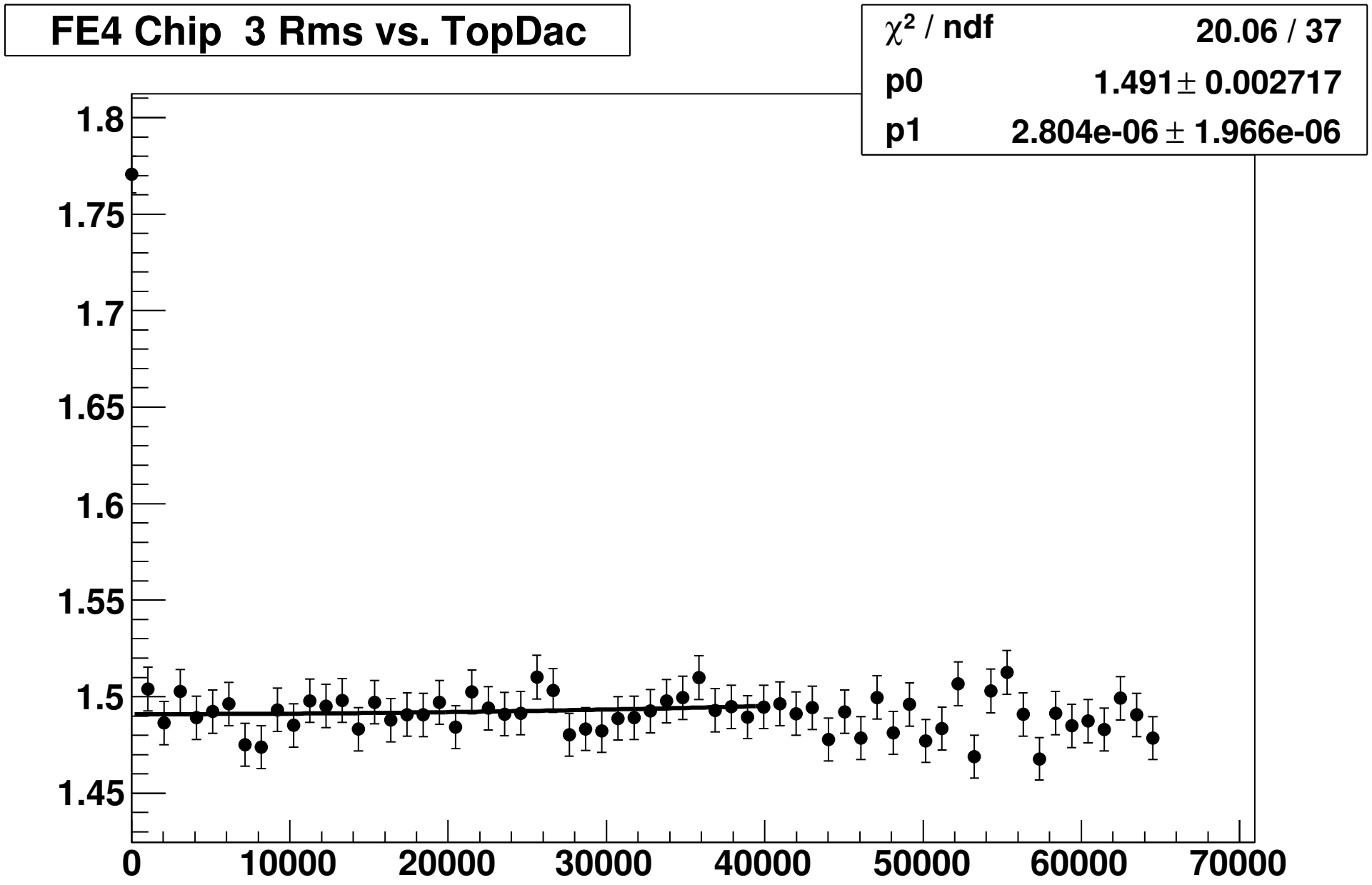
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 20.06 / 37
p0 1.491 ± 0.002717
p1 2.804e-06 ± 1.966e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
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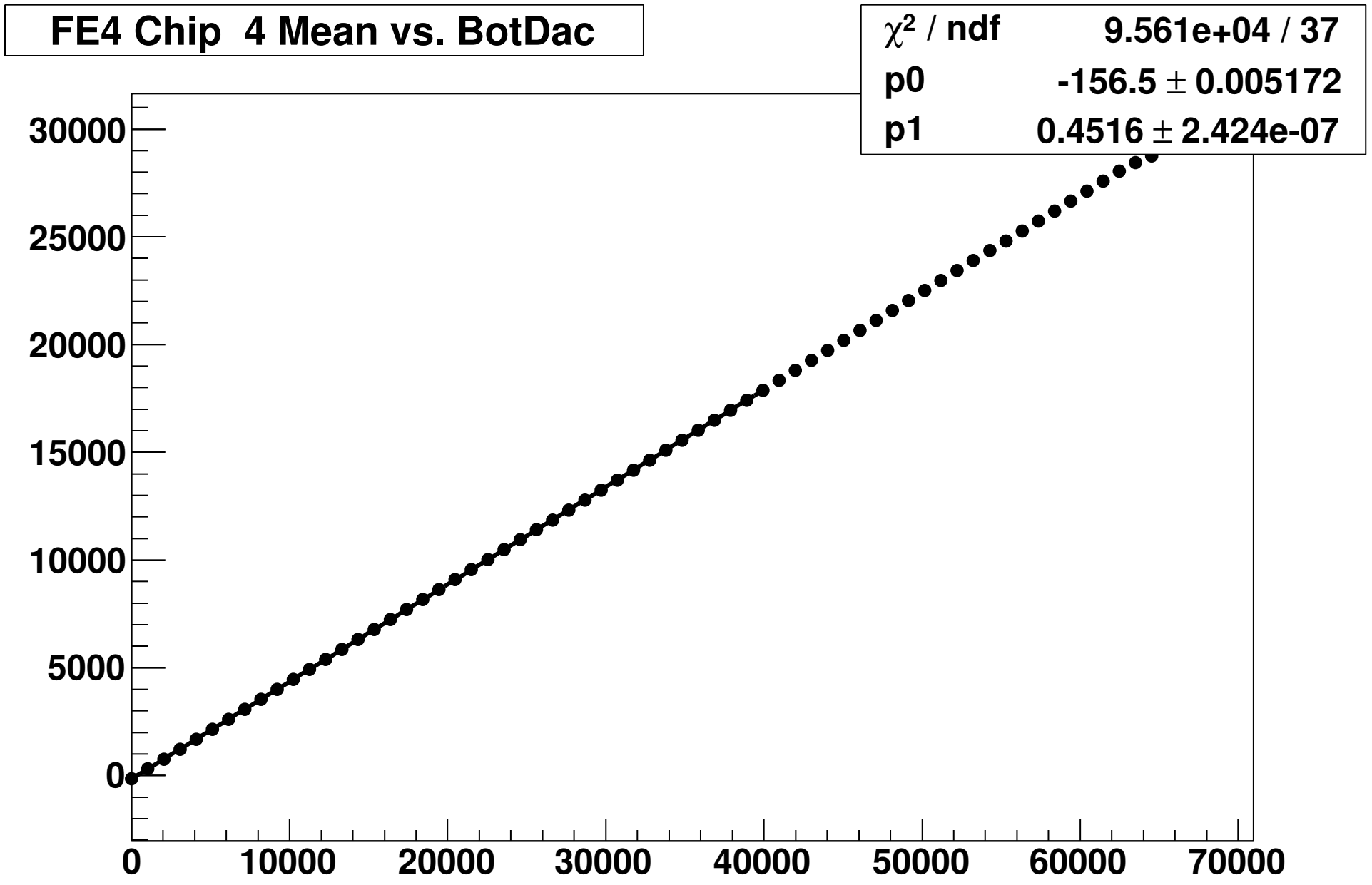
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 9.561e+04 / 37
p0 -156.5 ± 0.005172
p1 0.4516 ± 2.424e-07
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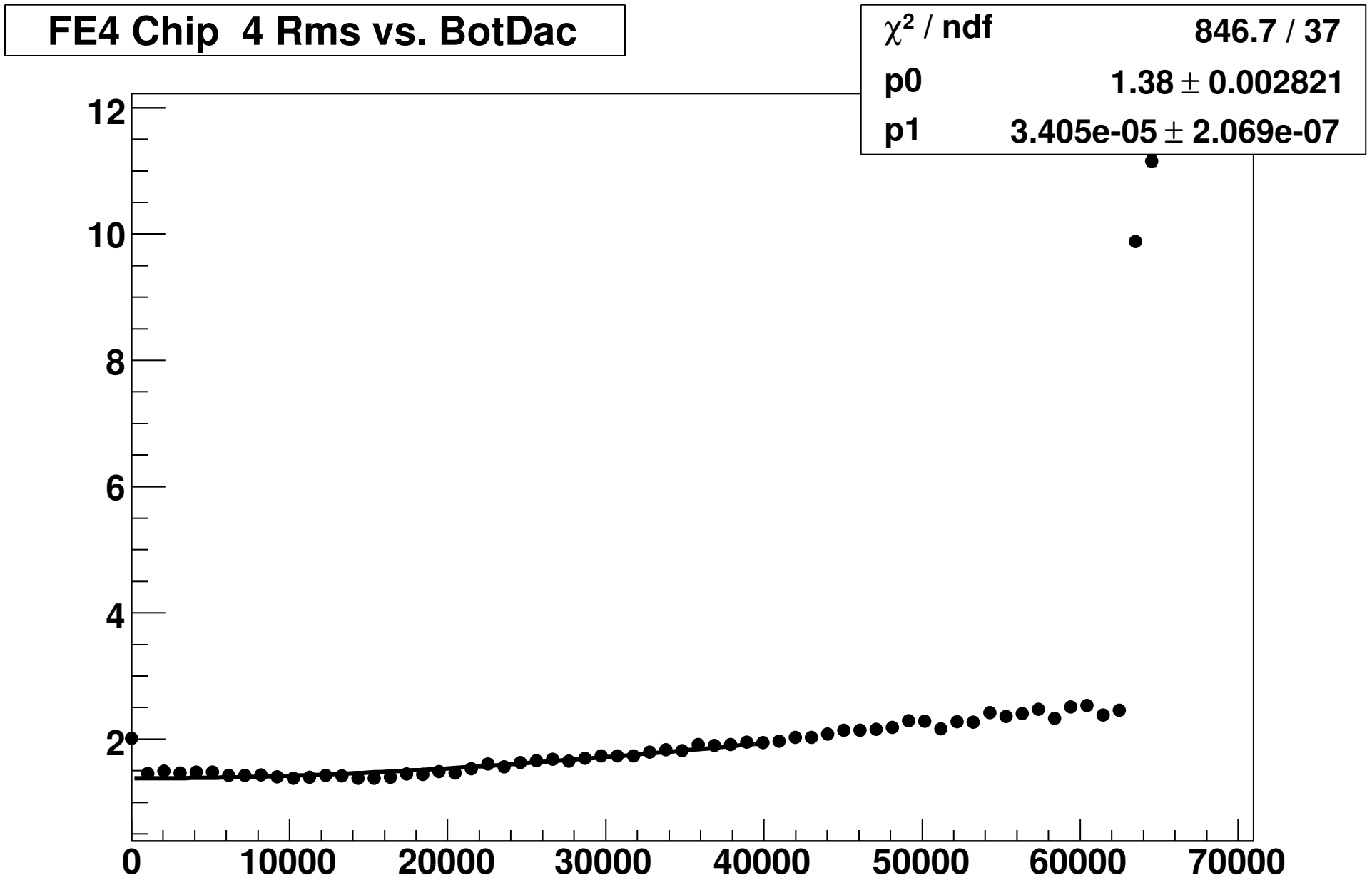
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 846.7 / 37
p0 1.38 ± 0.002821
p1 3.405e-05 ± 2.069e-07
12
10
8
6
4
2
0
10000
20000
30000
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50000
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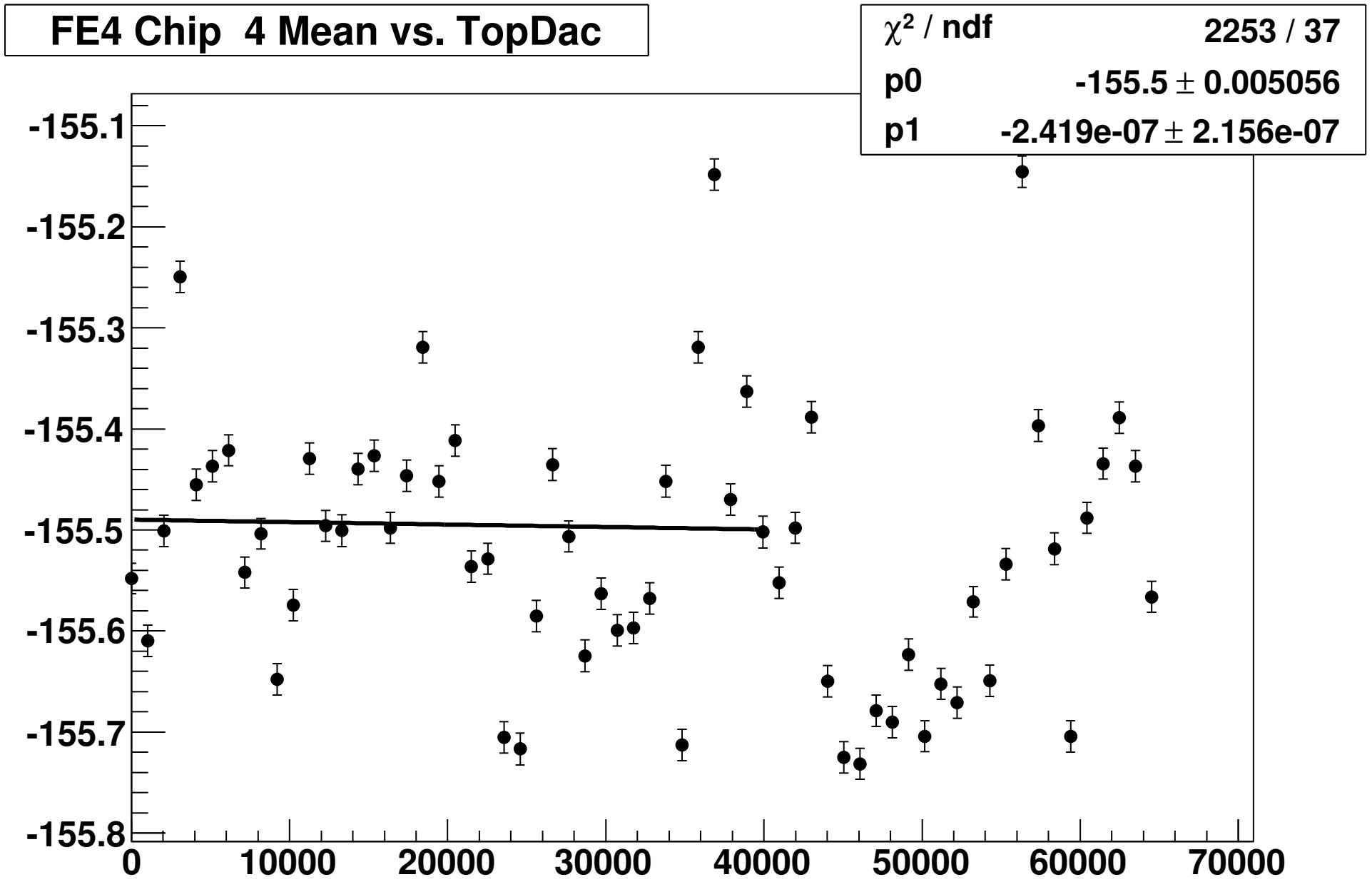
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 2253 / 37
p0 -155.5 ± 0.005056
p1 -2.419e-07 ± 2.156e-07
-155.1
-155.2
-155.3
-155.4
-155.5
-155.6
-155.7
-155.8
0
10000
20000
30000
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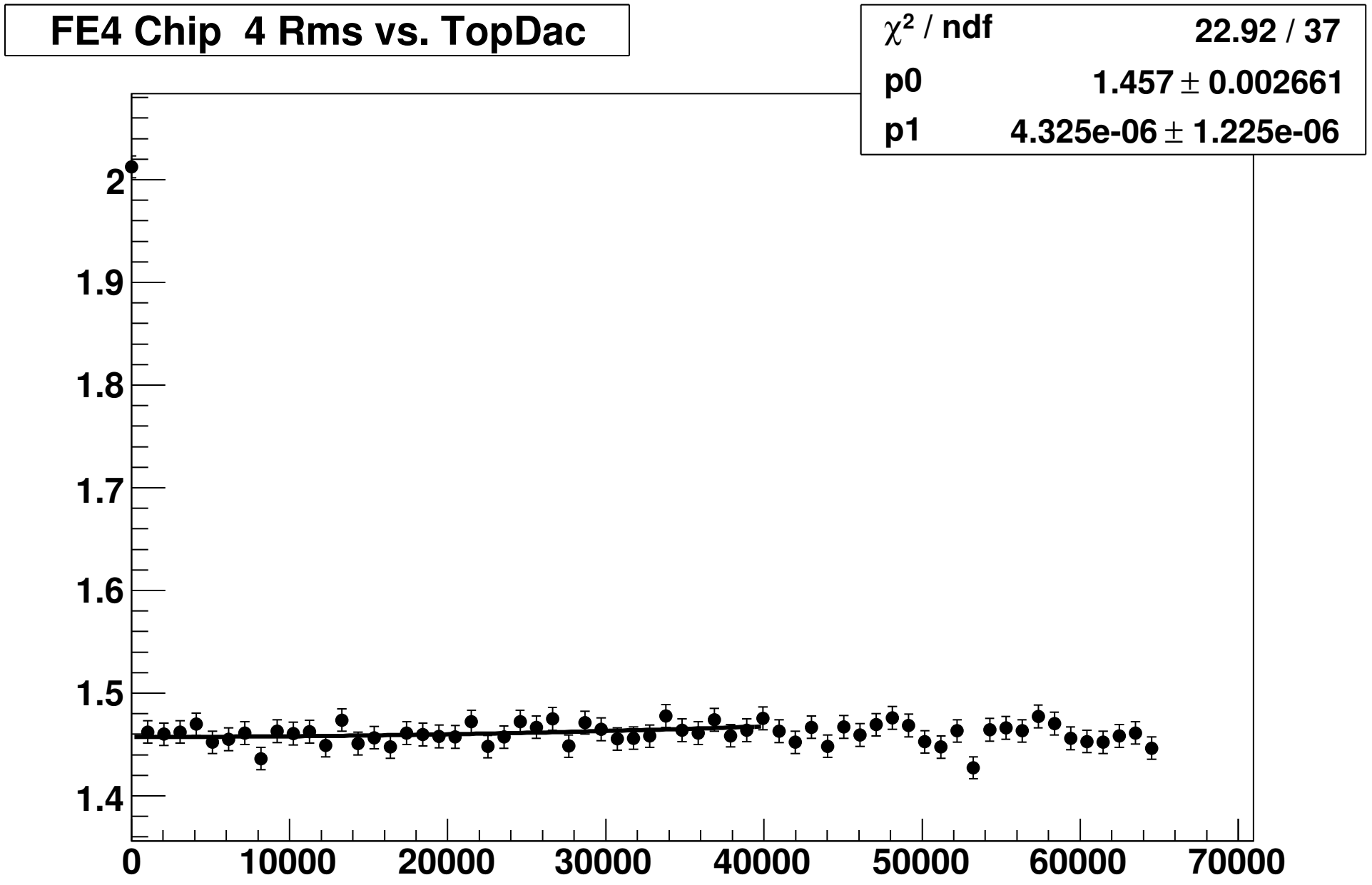
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 22.92 / 37
p0 1.457 ± 0.002661
p1 4.325e-06 ± 1.225e-06
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
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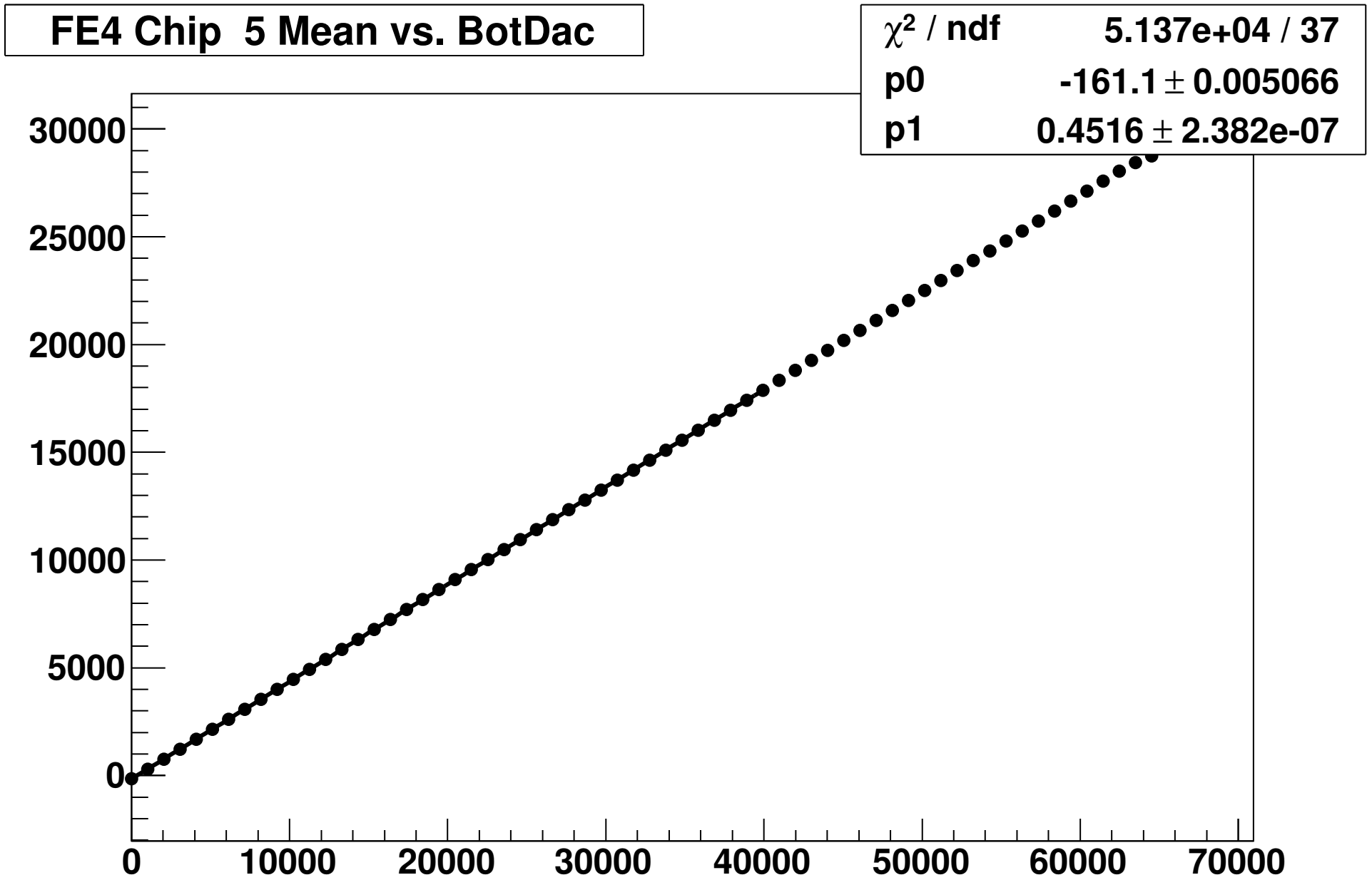
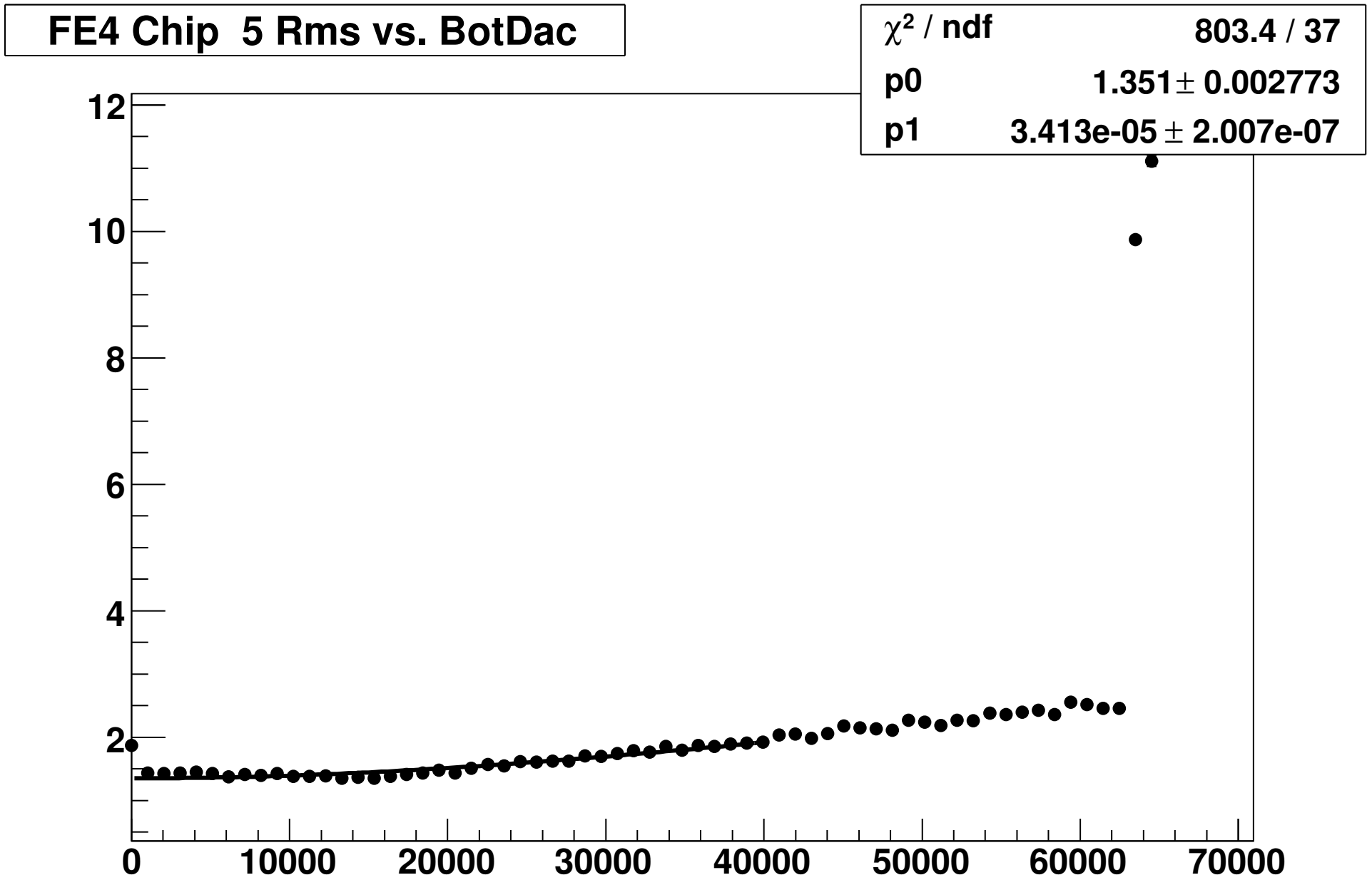
50000
60000
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 5.137e+04 / 37
p0 -161.1 ± 0.005066
p1 0.4516 ± 2.382e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 803.4 / 37
p0 1.351 ± 0.002773
p1 3.413e-05 ± 2.007e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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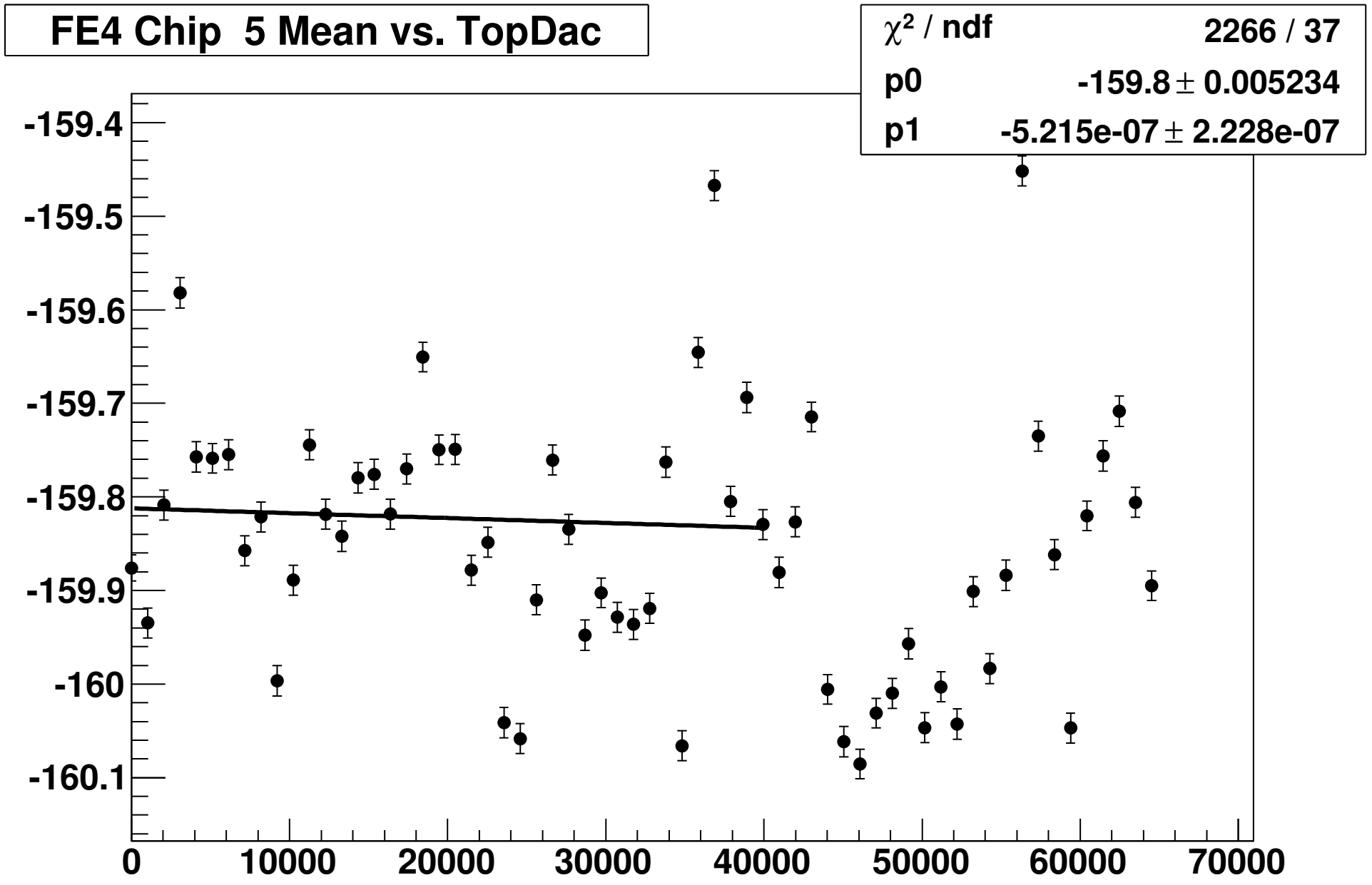
FE4 Chip 5 Mean vs. TopDac
χ² / ndf 2266 / 37
p0 -159.8 ± 0.005234
p1 -5.215e-07 ± 2.228e-07
-159.4
-159.5
-159.6
-159.7
-159.8
-159.9
-160
-160.1
0
10000
20000
30000
40000
50000
60000
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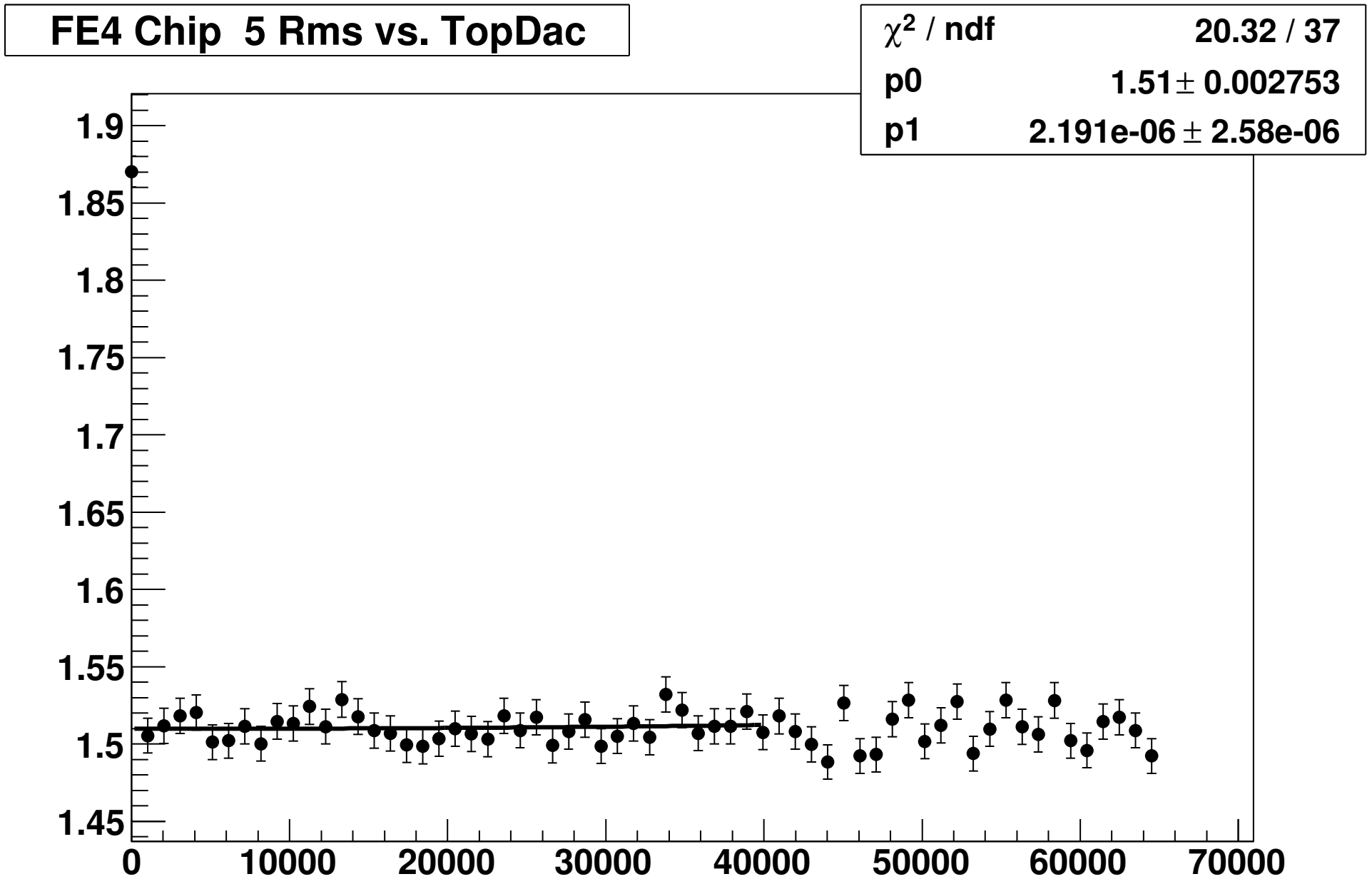
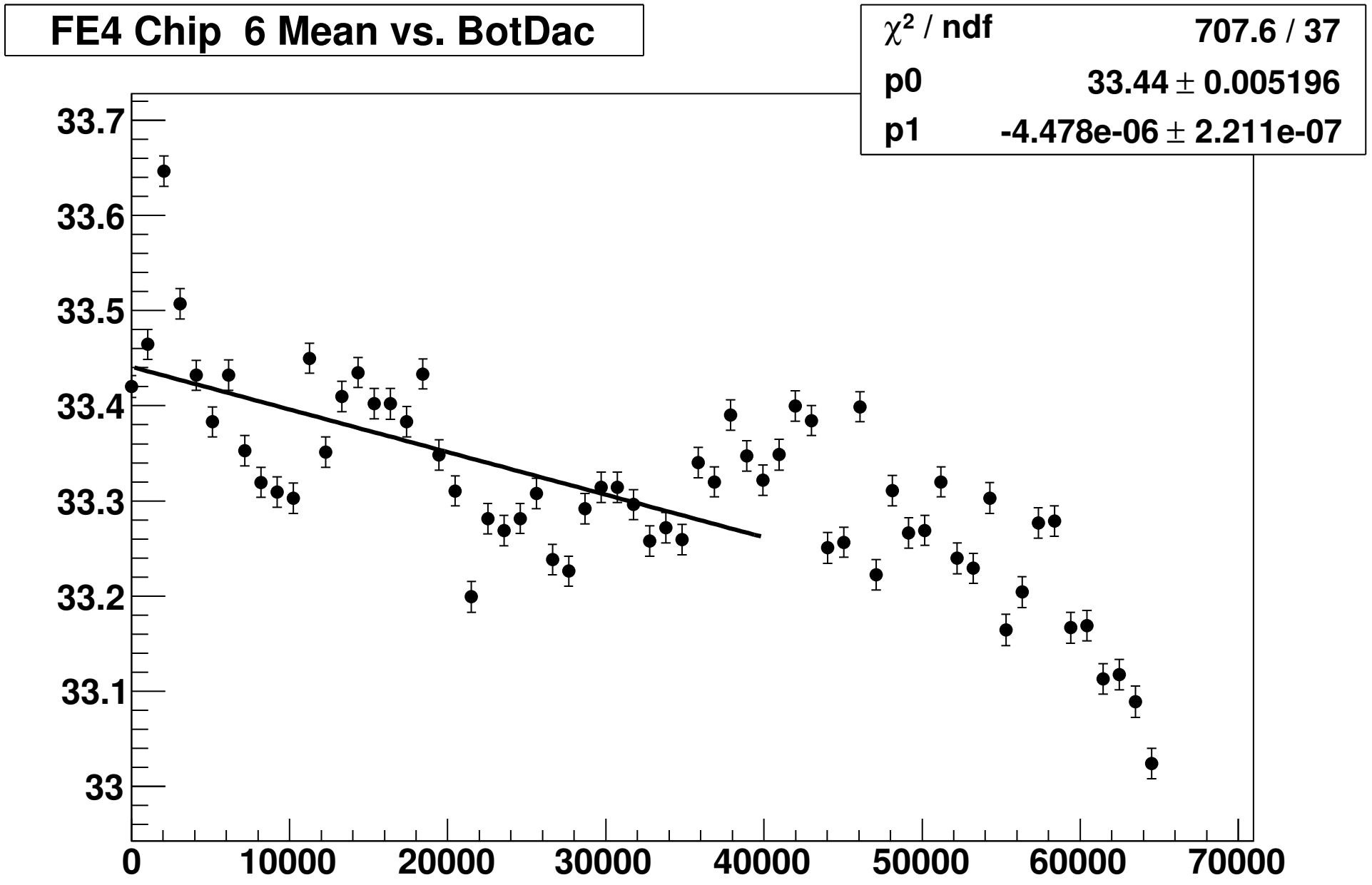

FE4 Chip 5 Rms vs. TopDac
χ² / ndf 20.32 / 37
p0 1.51 ± 0.002753
p1 2.191e-06 ± 2.58e-06
1.9
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 707.6 / 37
p0 33.44 ± 0.005196
p1 -4.478e-06 ± 2.211e-07
33.7
33.6
33.5
33.4
33.3
33.2
33.1
33
0
10000
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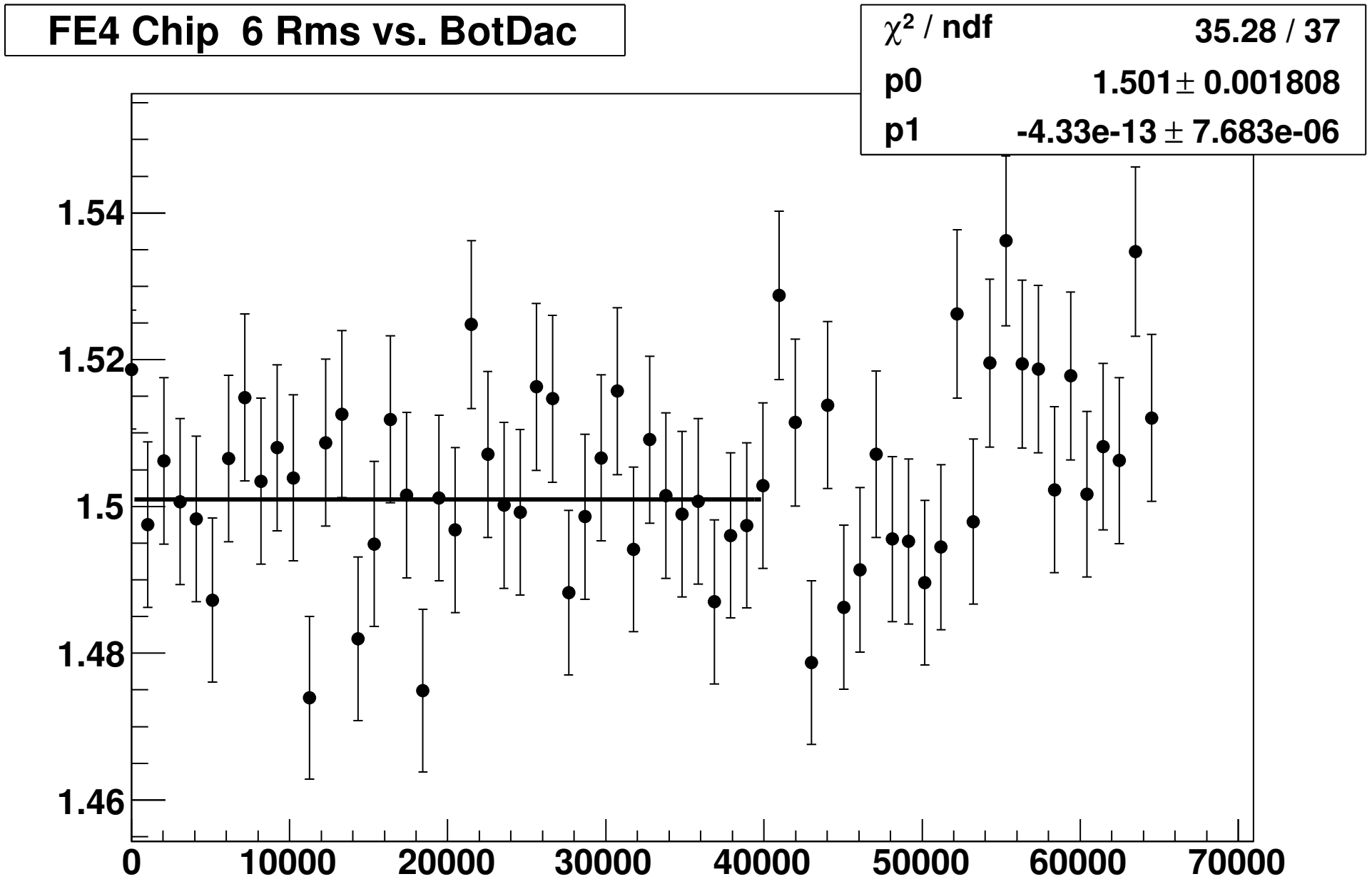
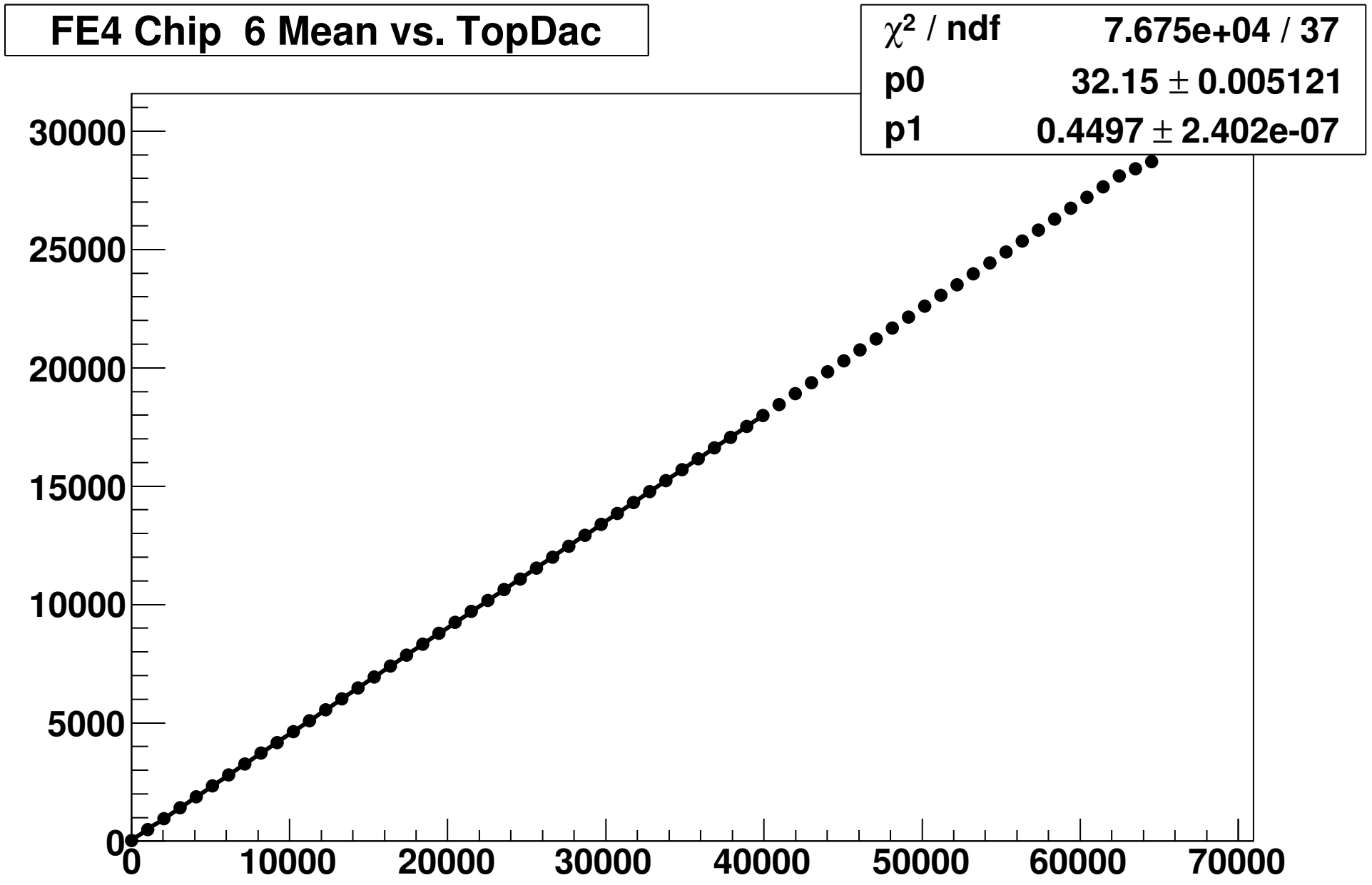
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 35.28 / 37
p0 1.501 ± 0.001808
p1 -4.33e-13 ± 7.683e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 7.675e+04 / 37
p0 32.15 ± 0.005121
p1 0.4497 ± 2.402e-07
30000
25000
20000
15000
10000
5000
0
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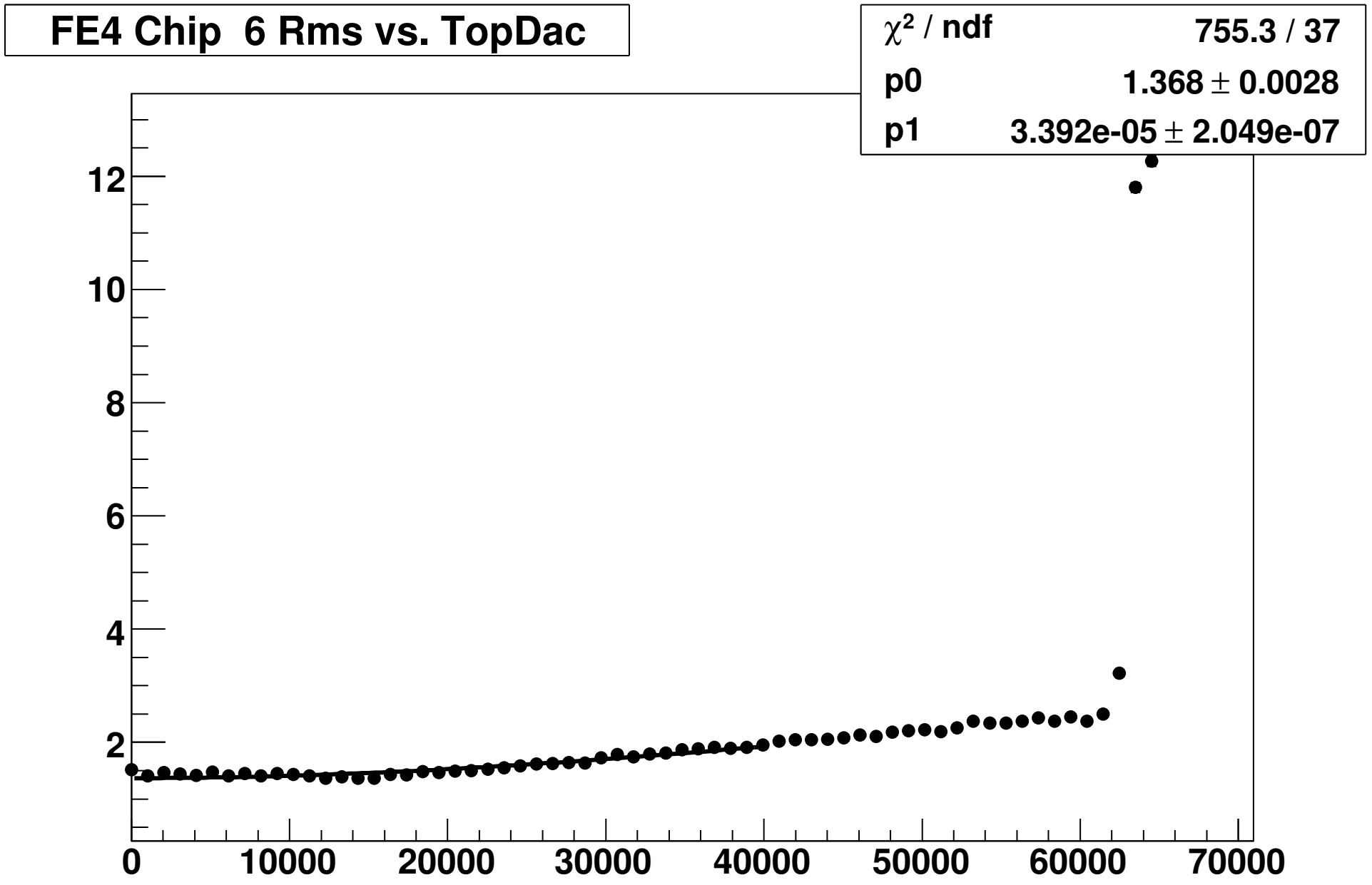
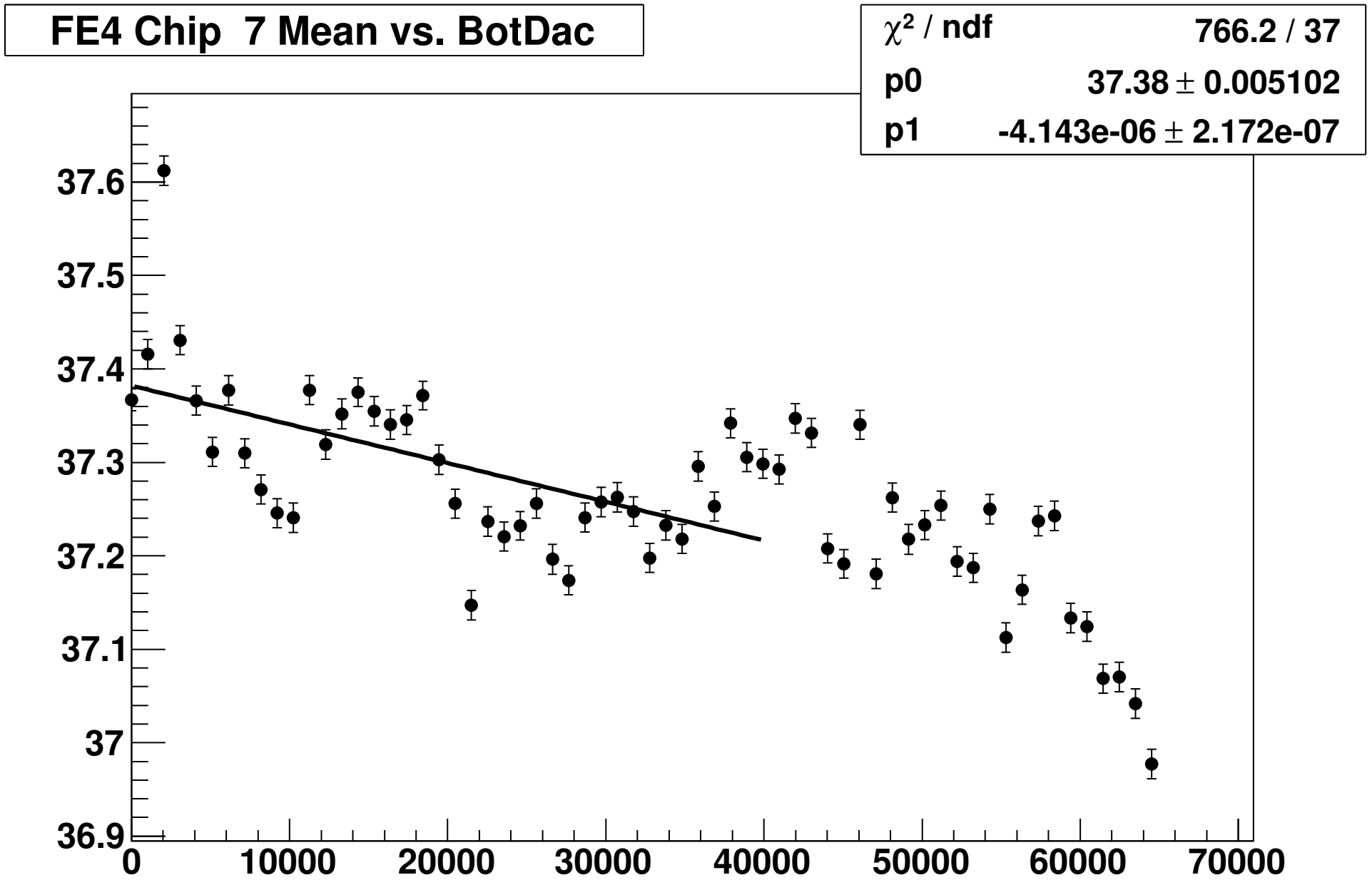
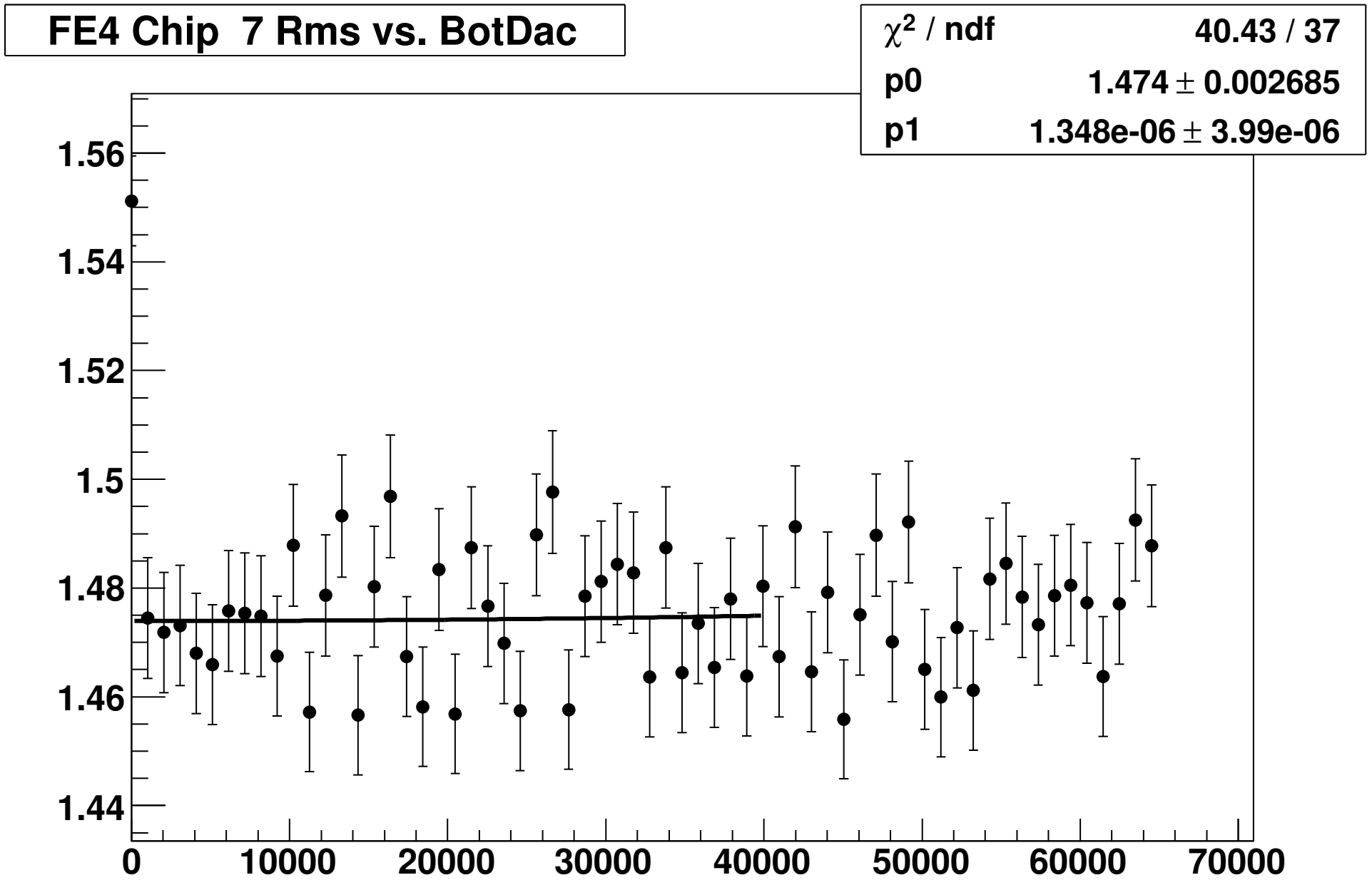
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 755.3 / 37
p0 1.368 ± 0.0028
p1 3.392e-05 ± 2.049e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 766.2 / 37
p0 37.38 ± 0.005102
p1 -4.143e-06 ± 2.172e-07
37.6
37.5
37.4
37.3
37.2
37.1
37
36.9
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 40.43 / 37
p0 1.474 ± 0.002685
p1 1.348e-06 ± 3.99e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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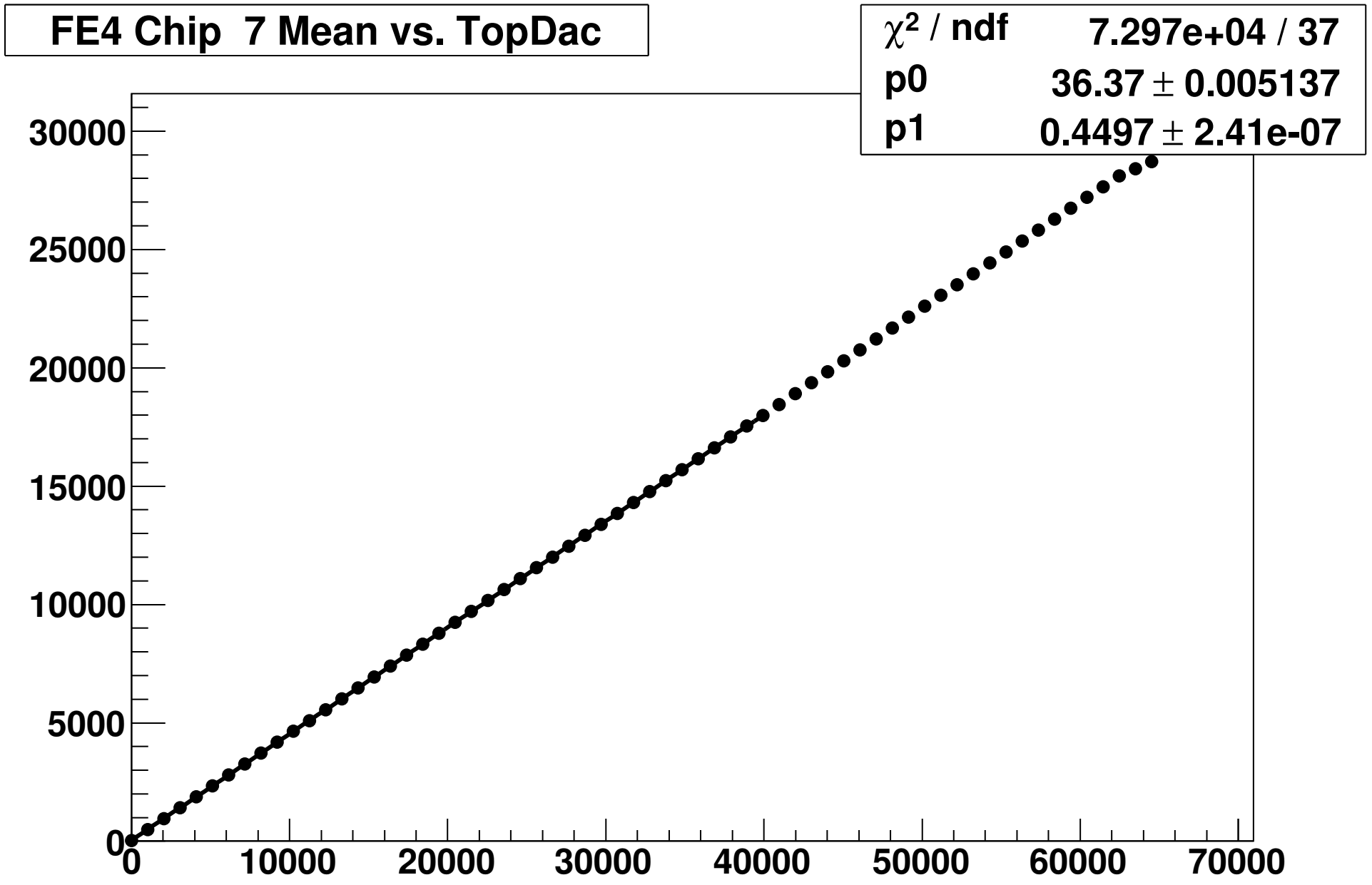
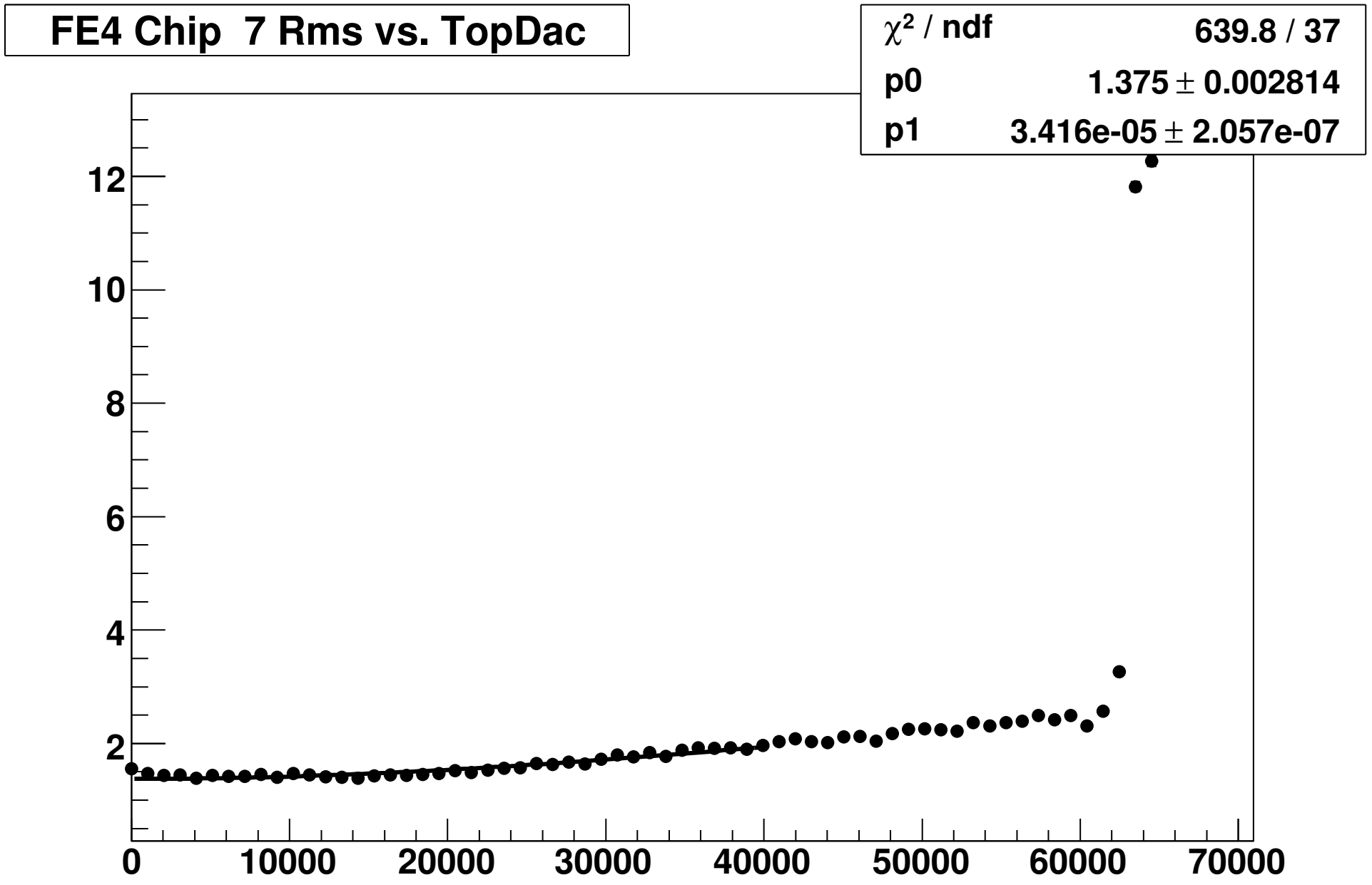
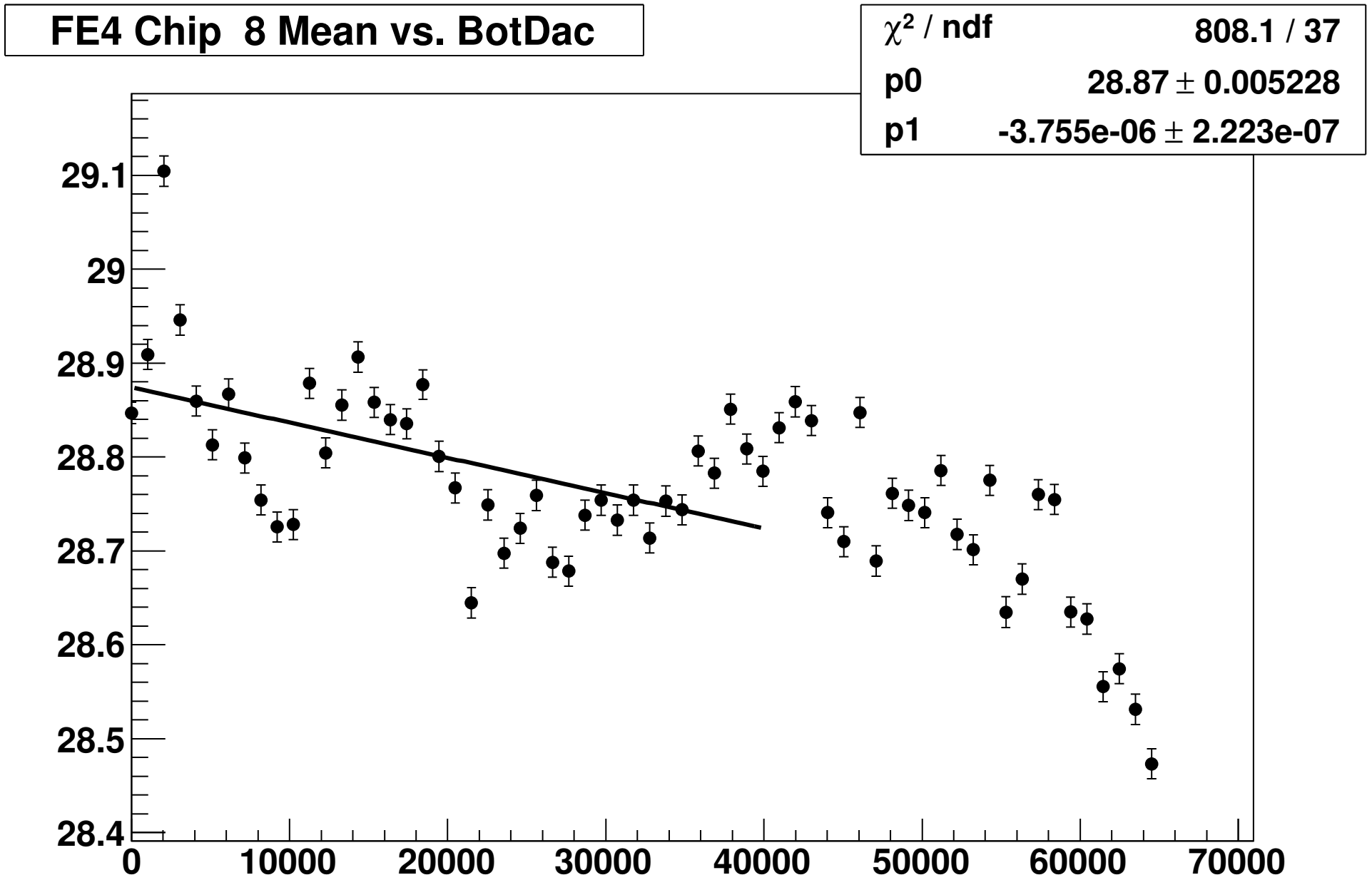
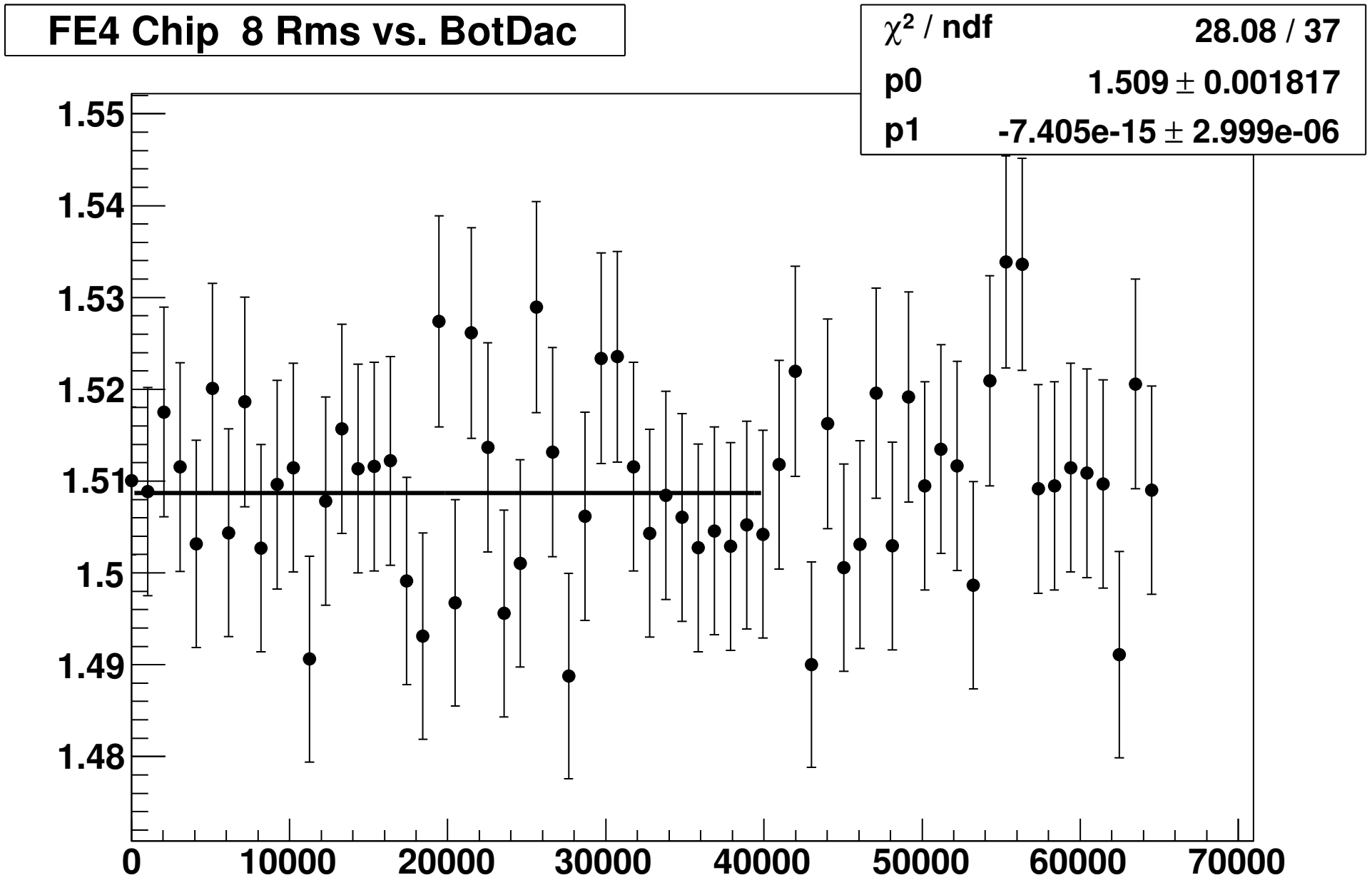
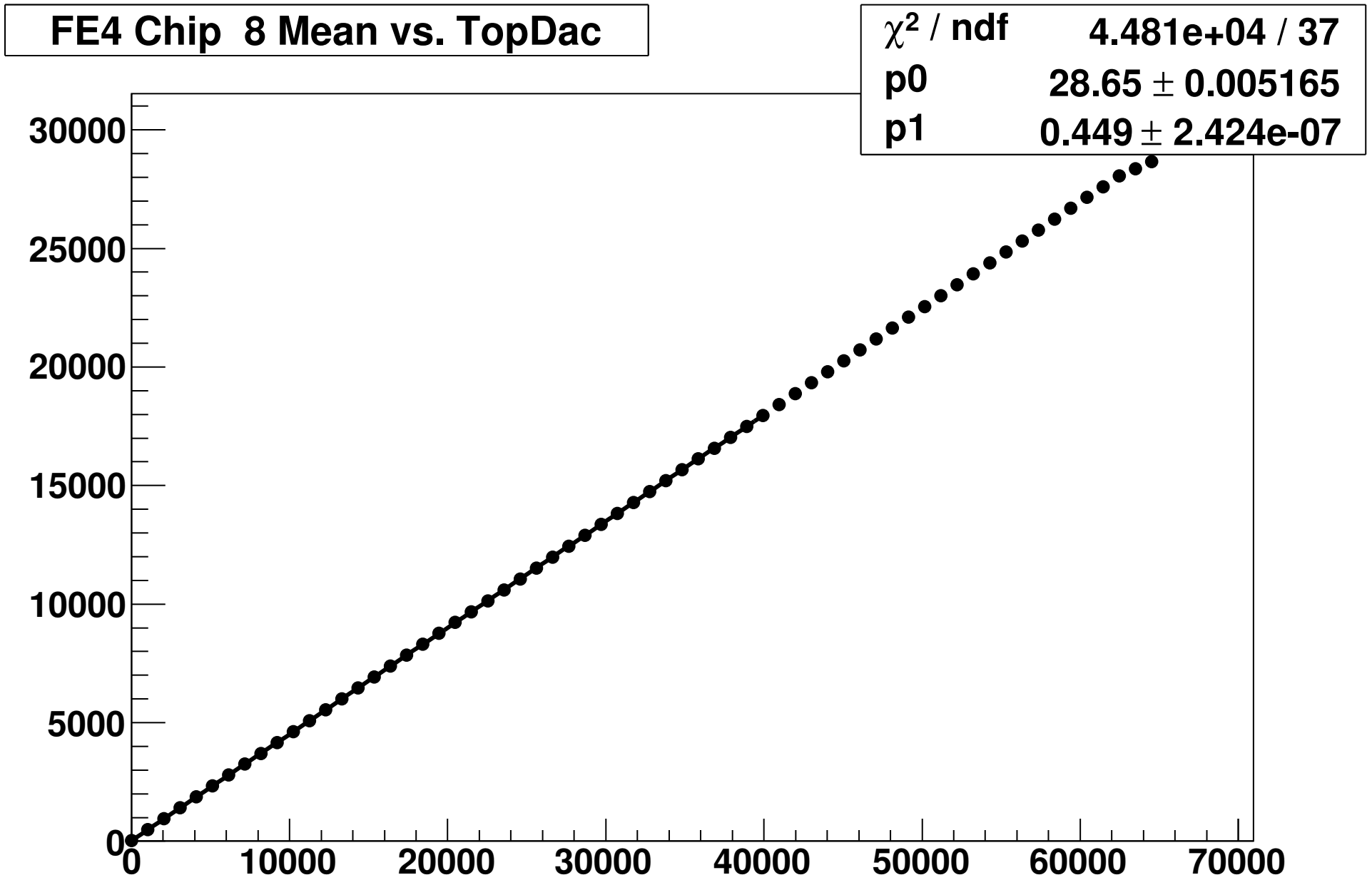
50000
60000
70000

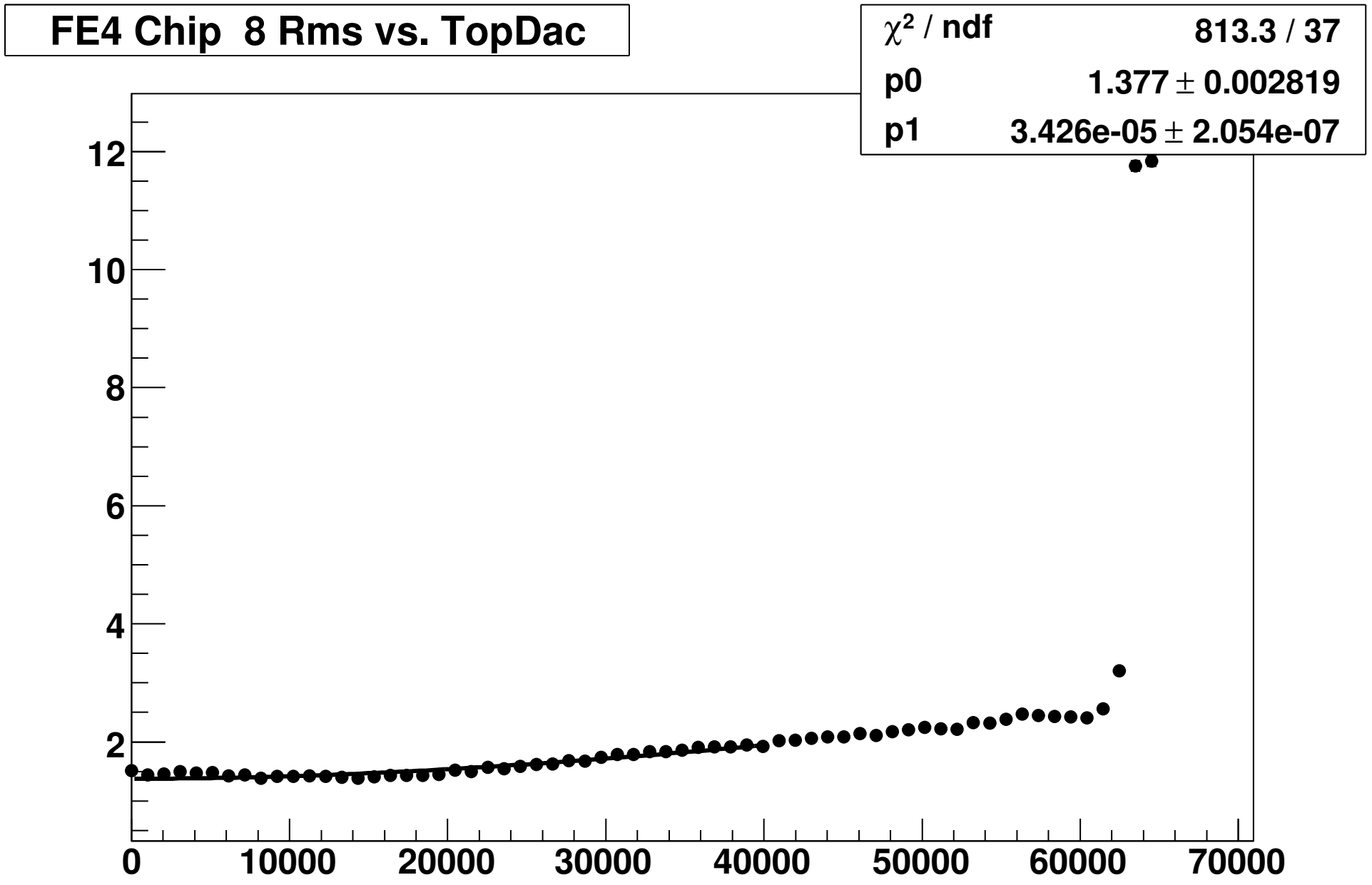

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 7.297e+04 / 37
p0 36.37 ± 0.005137
p1 0.4497 ± 2.41e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 639.8 / 37
p0 1.375 ± 0.002814
p1 3.416e-05 ± 2.057e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 808.1 / 37
p0 28.87 ± 0.005228
p1 -3.755e-06 ± 2.223e-07
29.1
29
28.9
28.8
28.7
28.6
28.5
28.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 28.08 / 37
p0 1.509 ± 0.001817
p1 -7.405e-15 ± 2.999e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 4.481e+04 / 37
p0 28.65 ± 0.005165
p1 0.449 ± 2.424e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 813.3 / 37
p0 1.377 ± 0.002819
p1 3.426e-05 ± 2.054e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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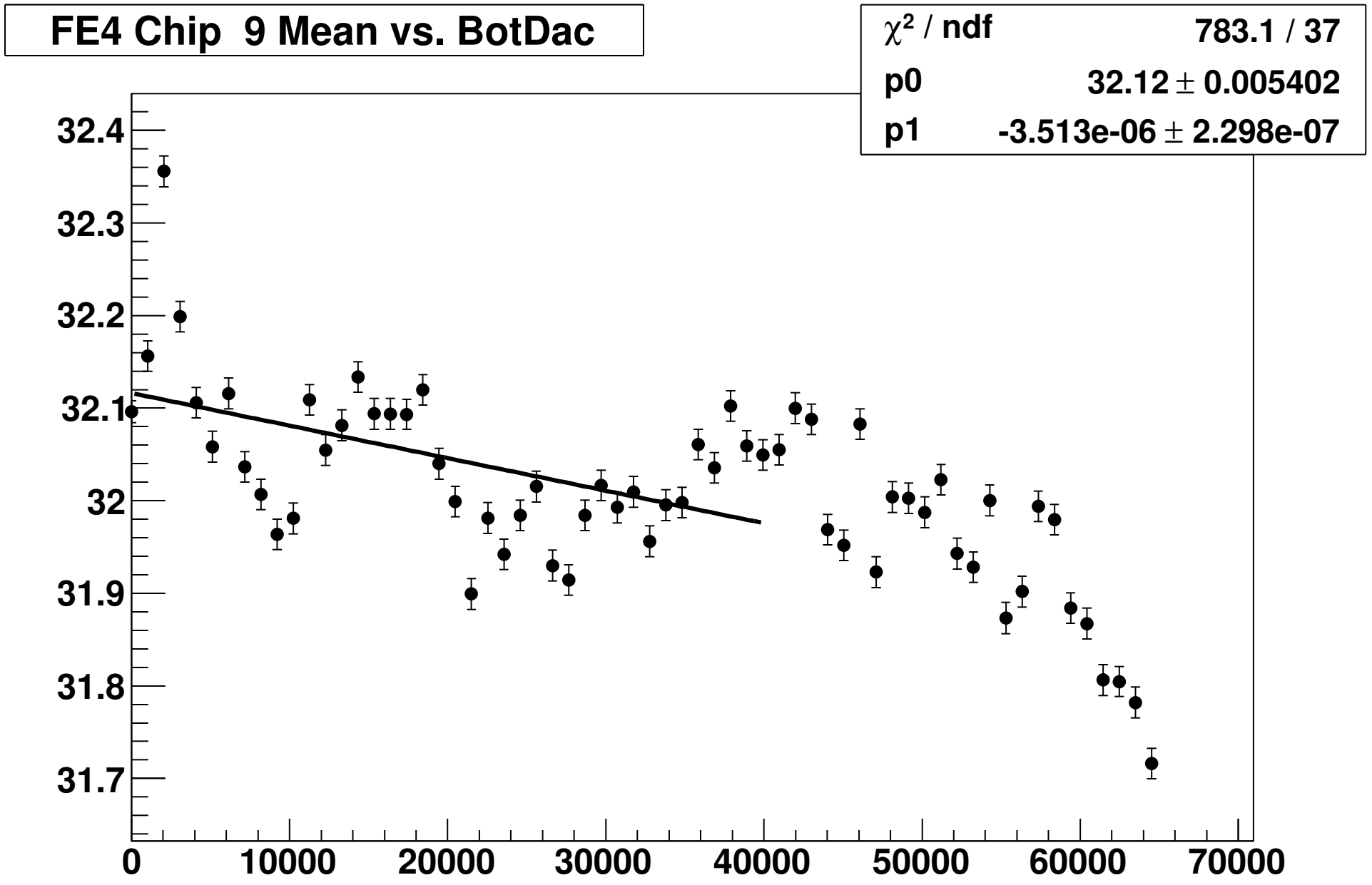
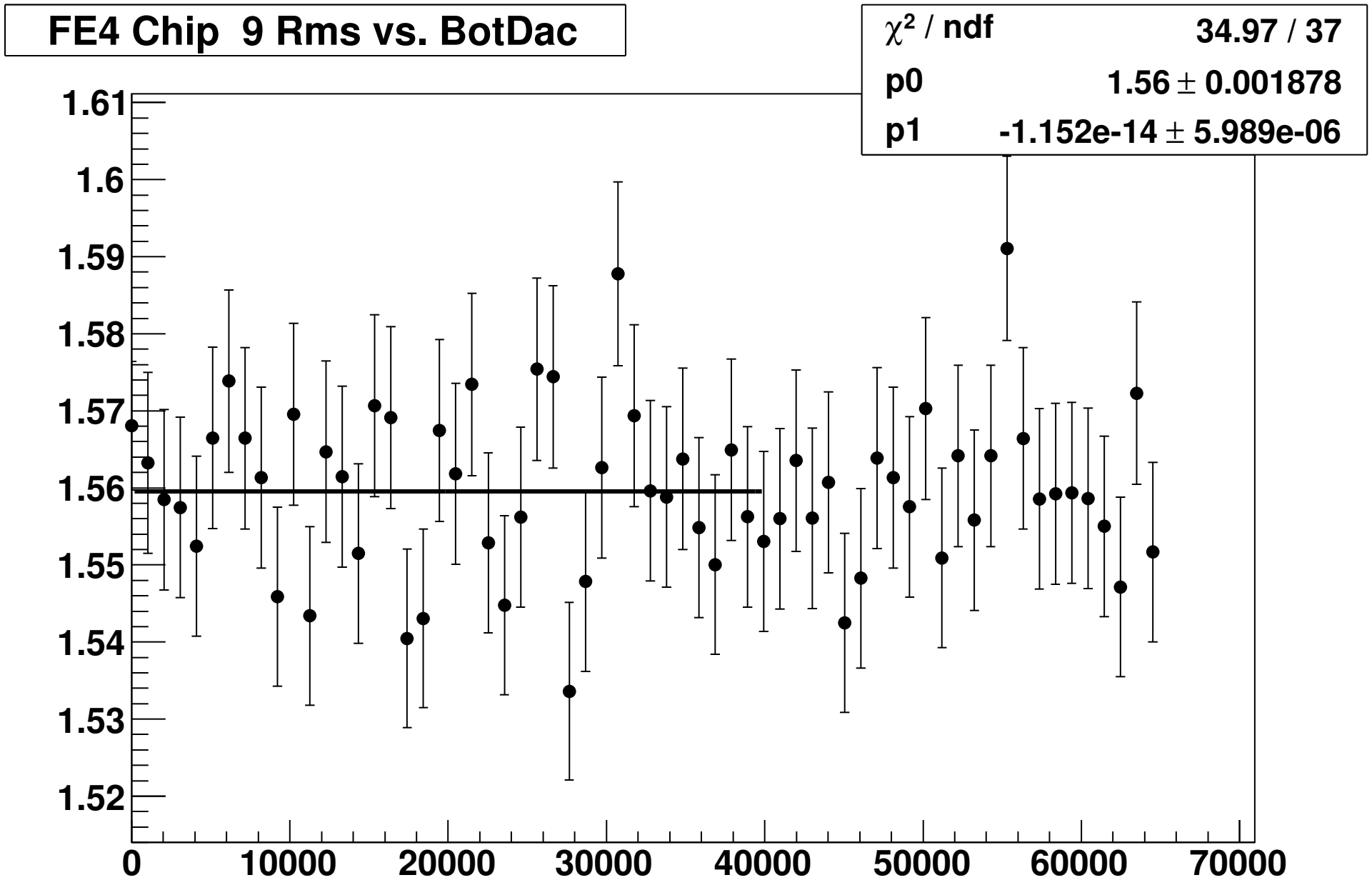
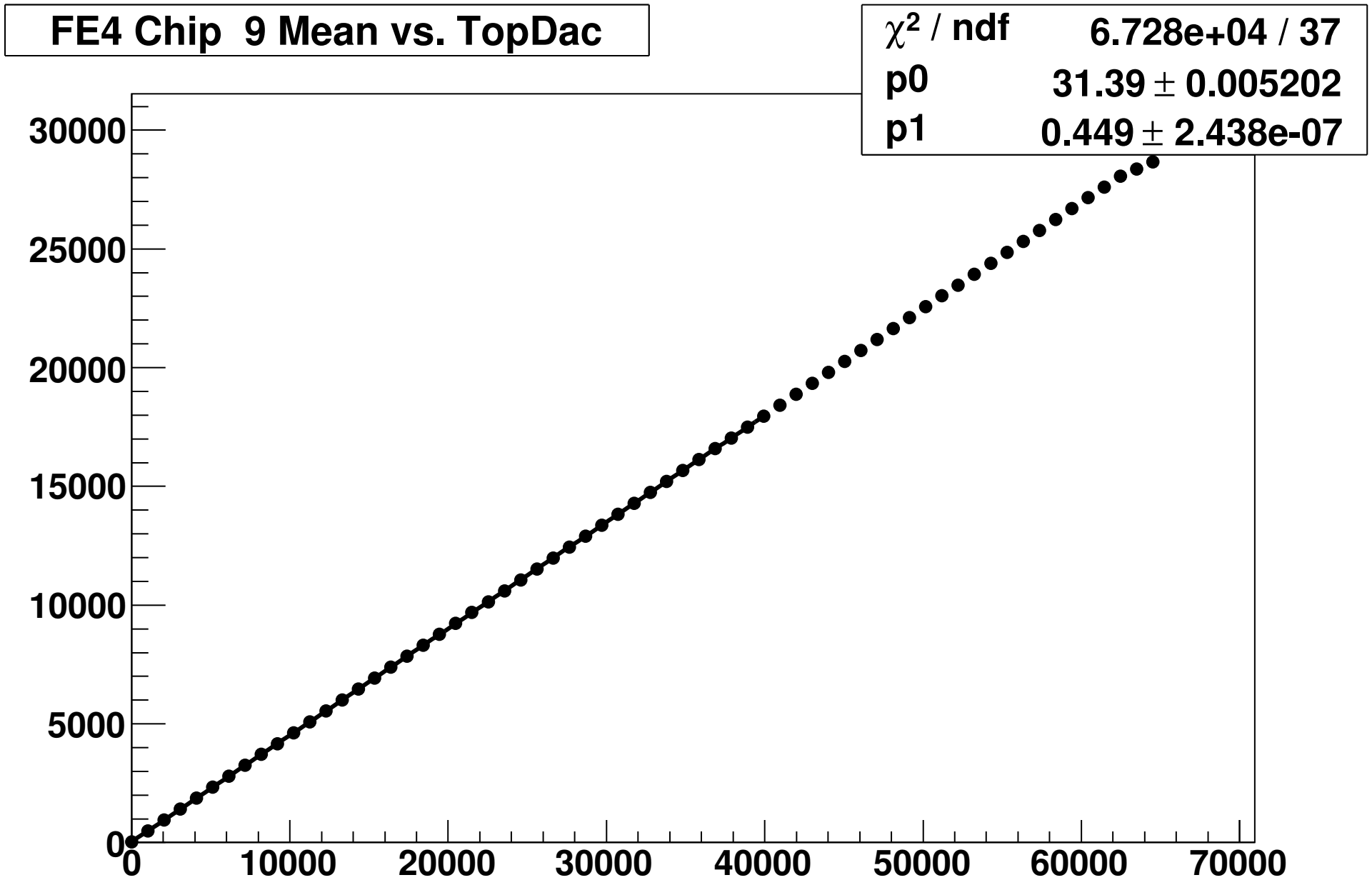
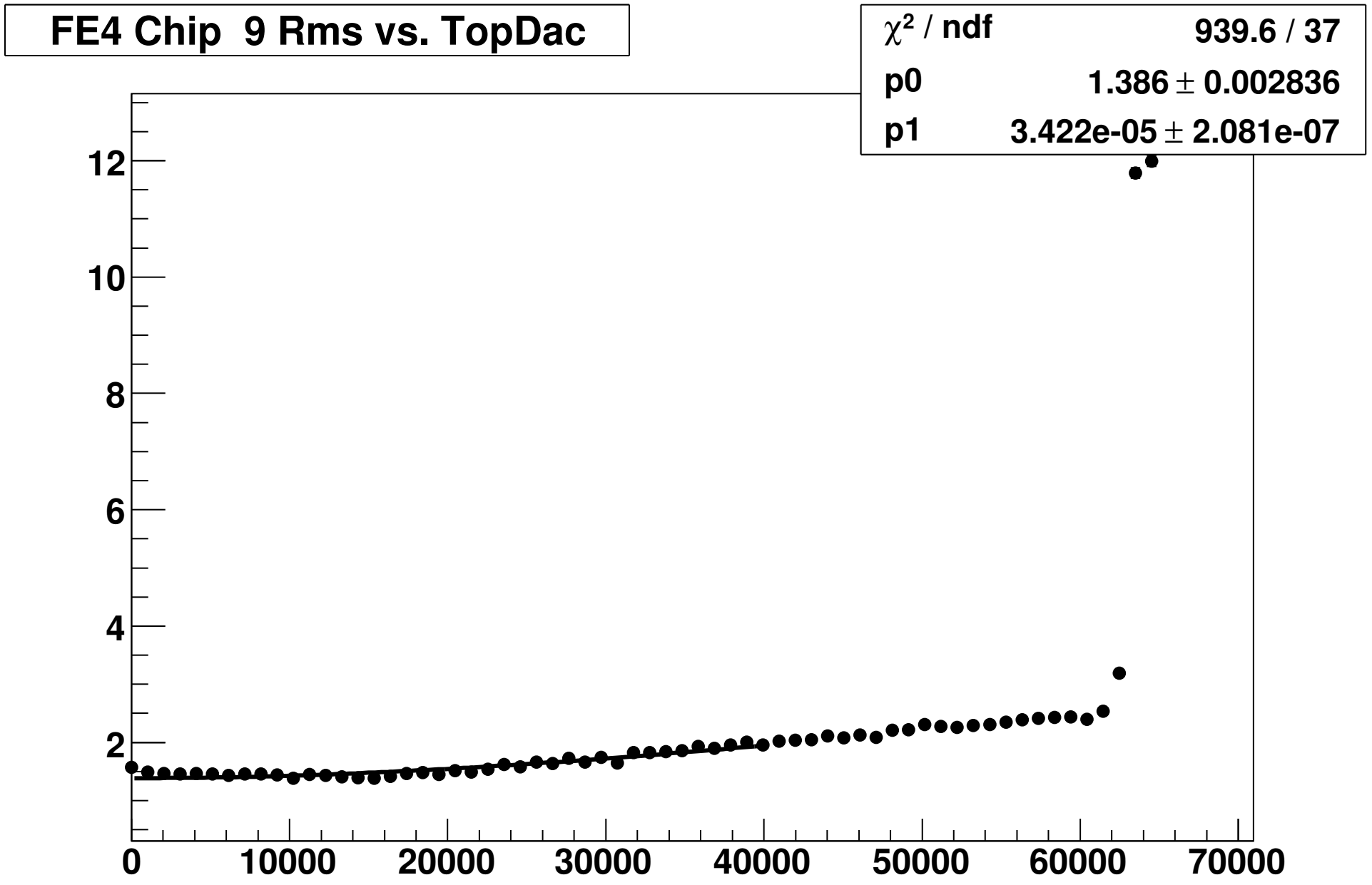

FE4 Chip 9 Mean vs. BotDac
χ² / ndf 783.1 / 37
p0 32.12 ± 0.005402
p1 -3.513e-06 ± 2.298e-07
32.4
32.3
32.2
32.1
32
31.9
31.8
31.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 34.97 / 37
p0 1.56 ± 0.001878
p1 -1.152e-14 ± 5.989e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 6.728e+04 / 37
p0 31.39 ± 0.005202
p1 0.449 ± 2.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 939.6 / 37
p0 1.386 ± 0.002836
p1 3.422e-05 ± 2.081e-07
12
10
8
6
4
2
0
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20000
30000
40000
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60000
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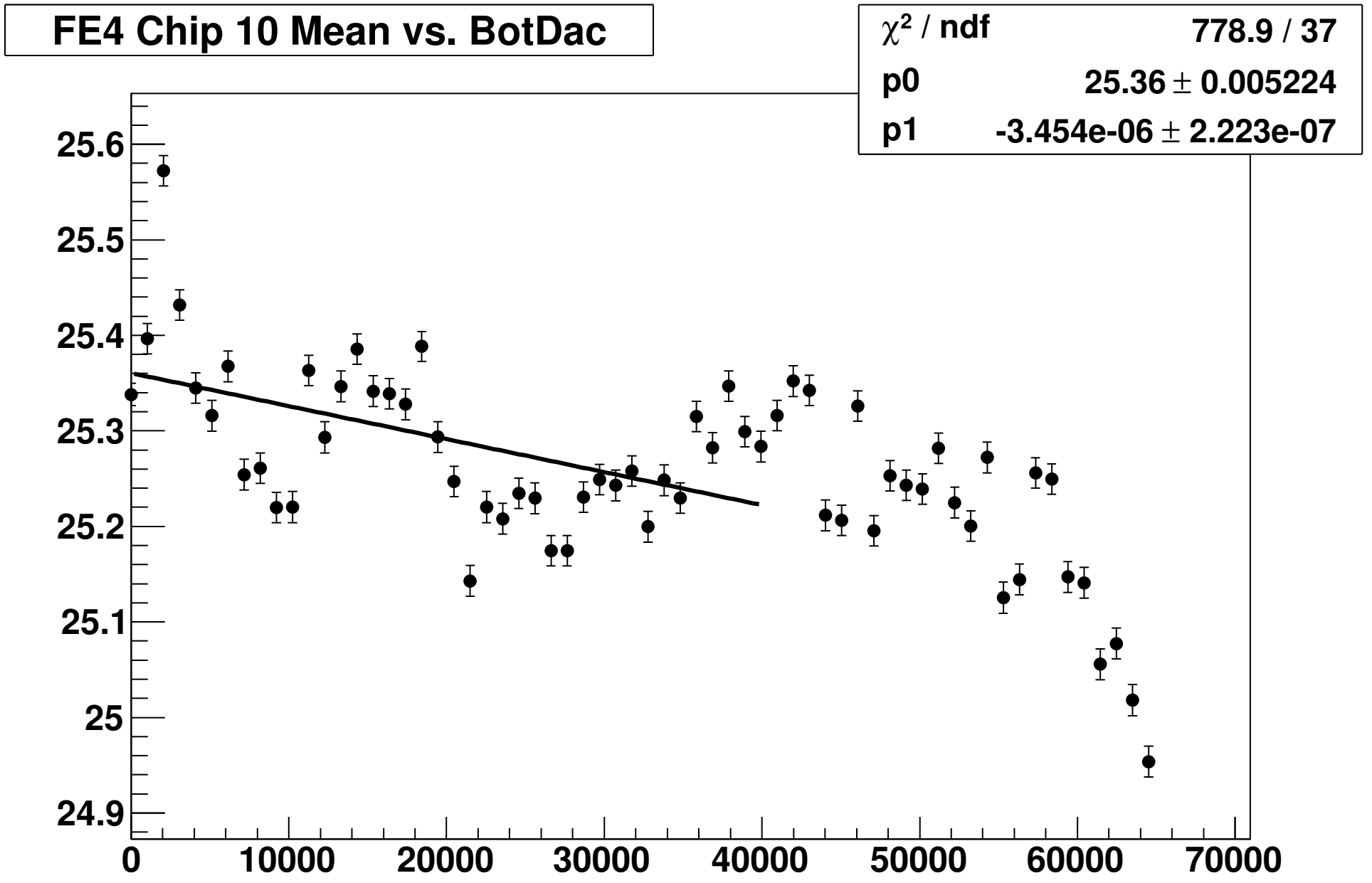
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 778.9 / 37
p0 25.36 ± 0.005224
p1 -3.454e-06 ± 2.223e-07
25.6
25.5
25.4
25.3
25.2
25.1
25
24.9
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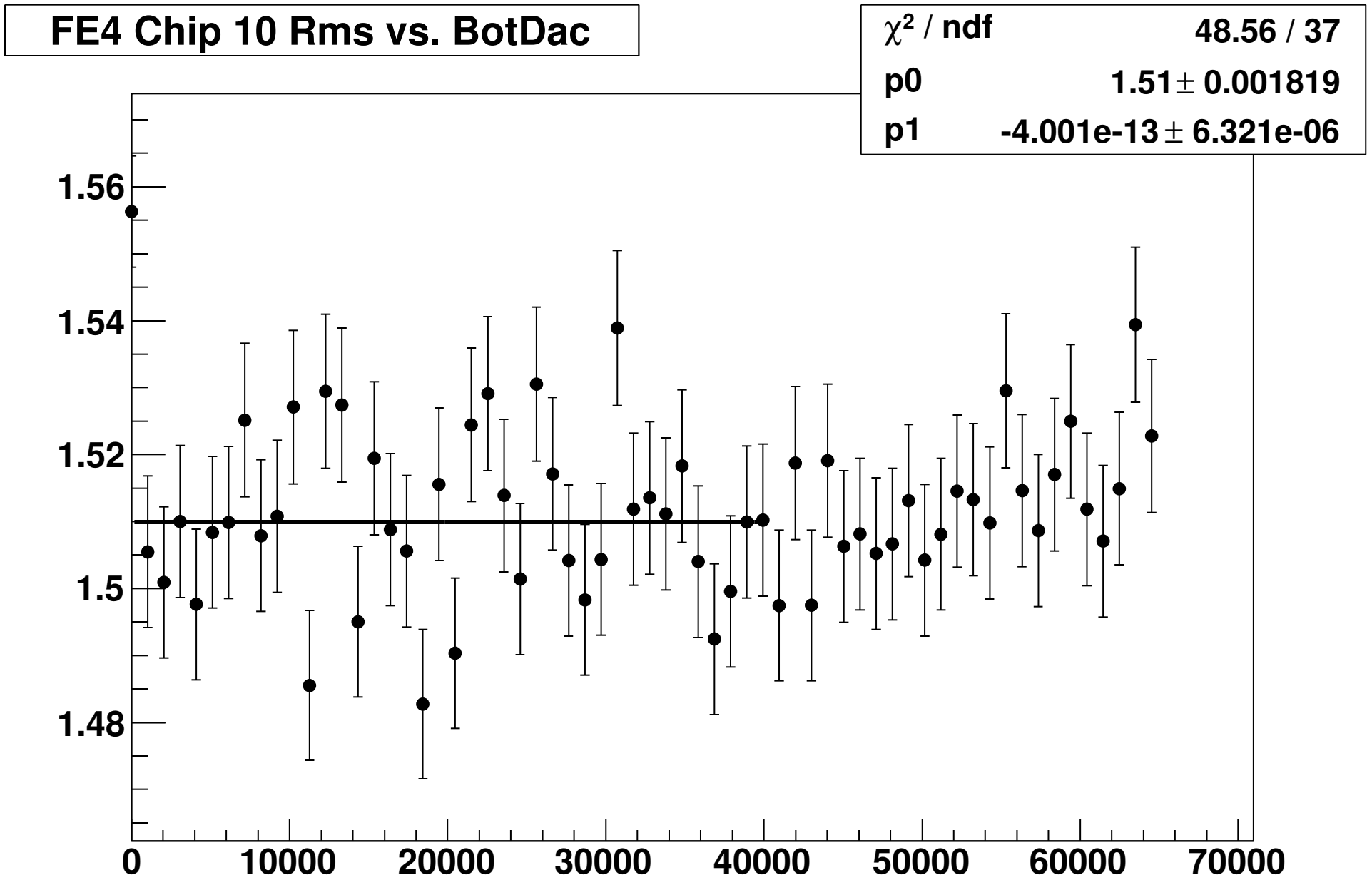
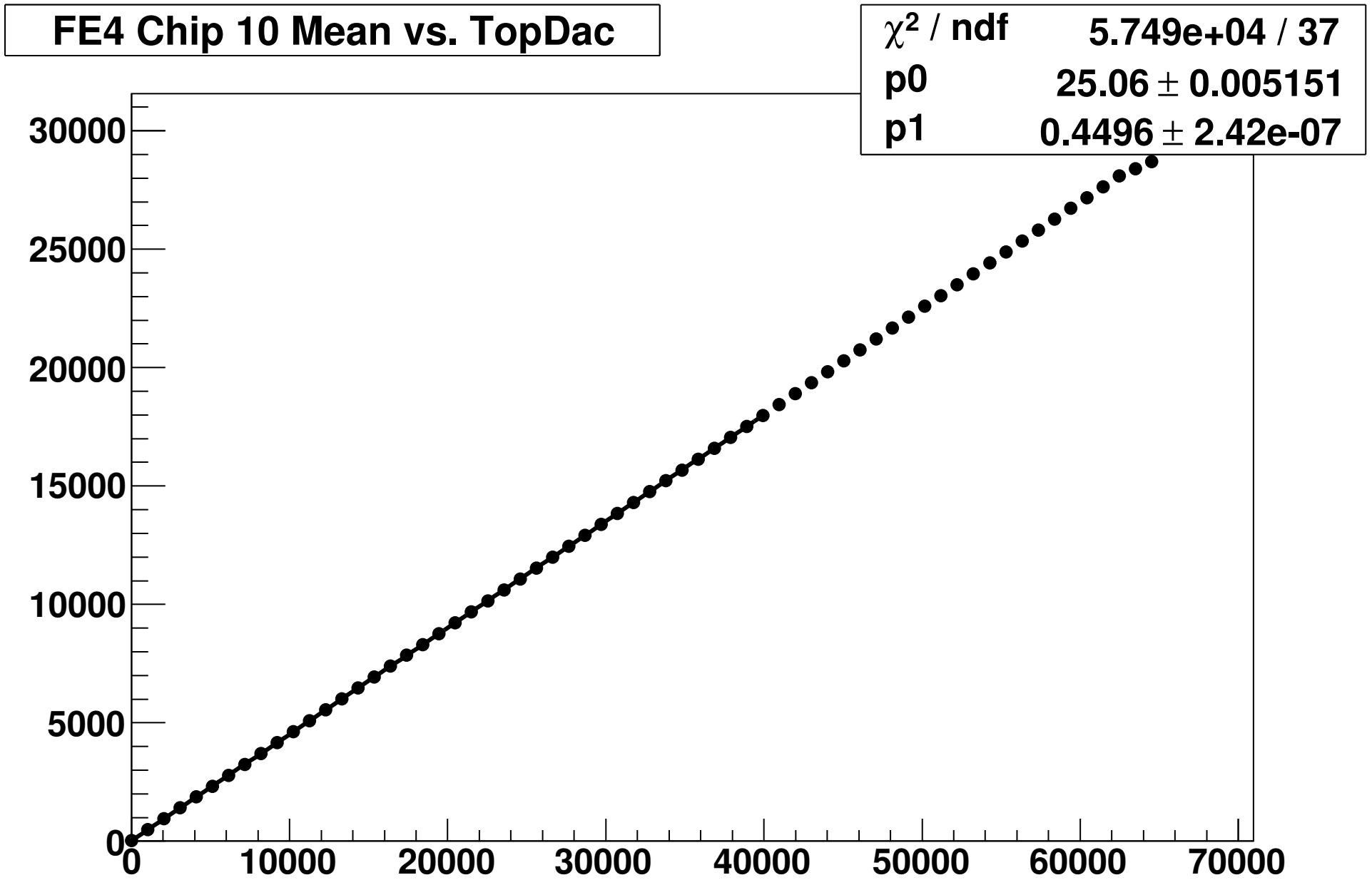
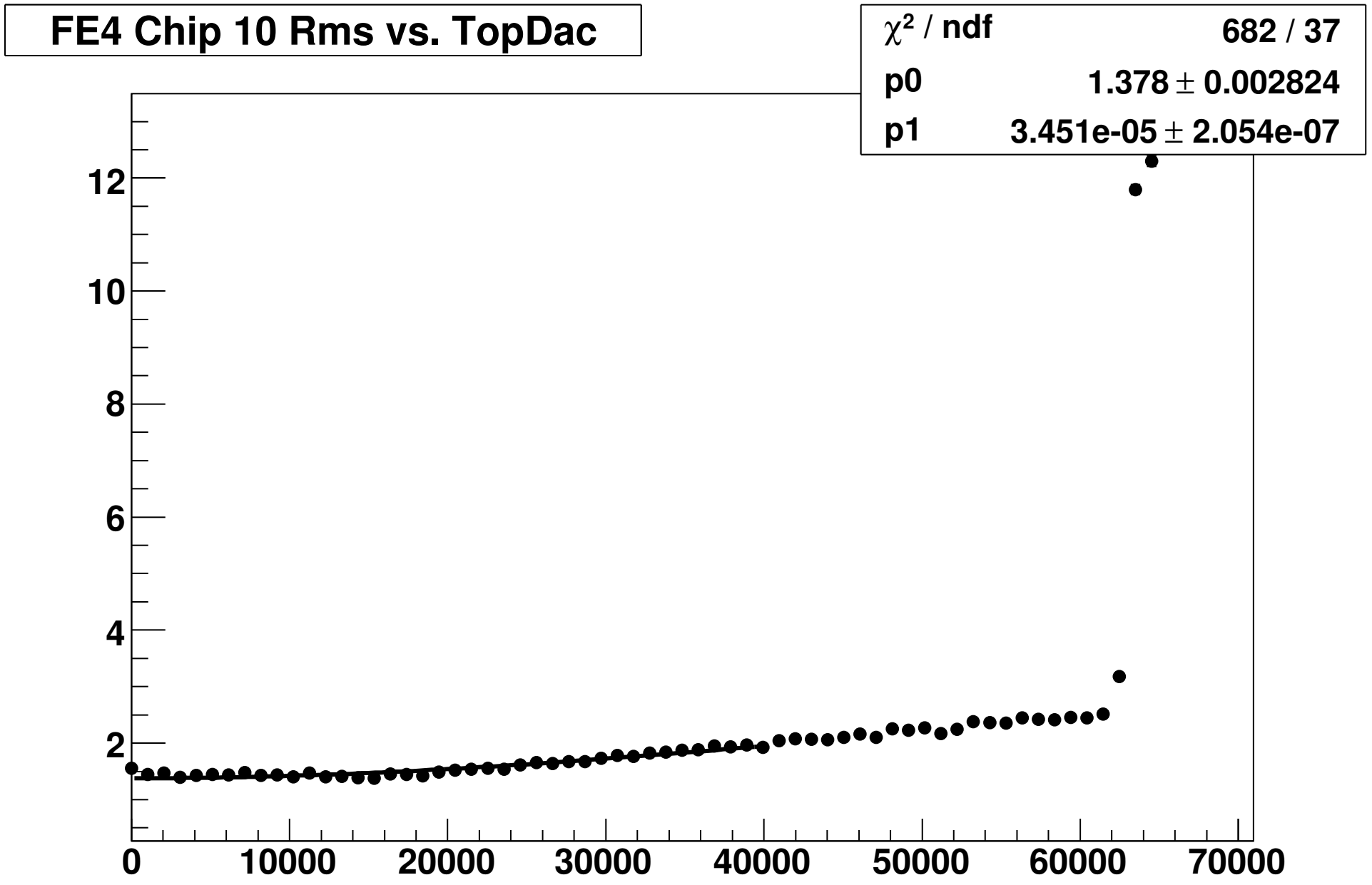

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 48.56 / 37
p0 1.51 ± 0.001819
p1 -4.001e-13 ± 6.321e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 5.749e+04 / 37
p0 25.06 ± 0.005151
p1 0.4496 ± 2.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 682 / 37
p0 1.378 ± 0.002824
p1 3.451e-05 ± 2.054e-07
12
10
8
6
4
2
0
10000
20000
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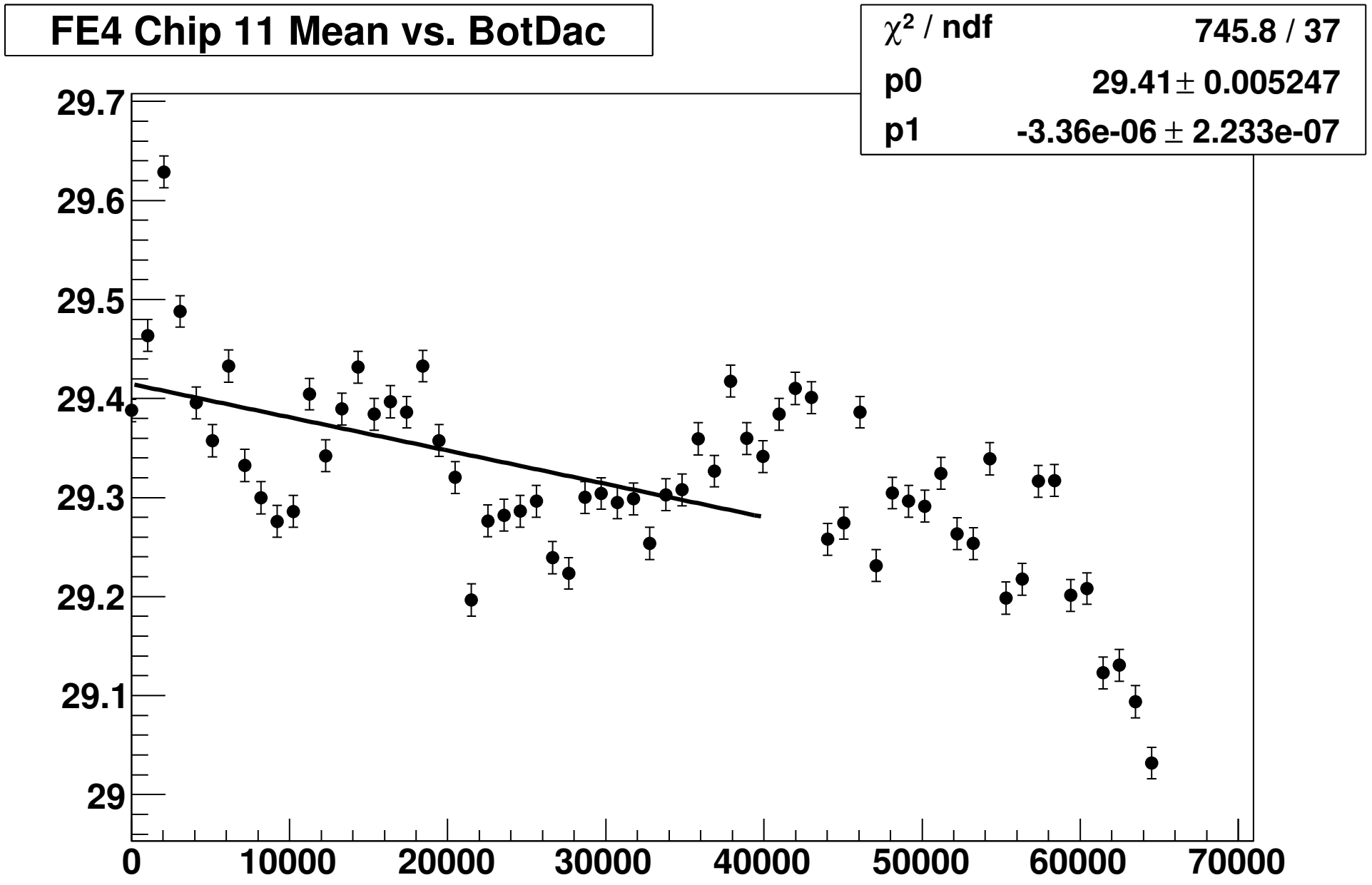
40000
50000
60000
70000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 745.8 / 37
p0 29.41 ± 0.005247
p1 -3.36e-06 ± 2.233e-07
29.7
29.6
29.5
29.4
29.3
29.2
29.1
29
0
10000
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40000
50000
60000
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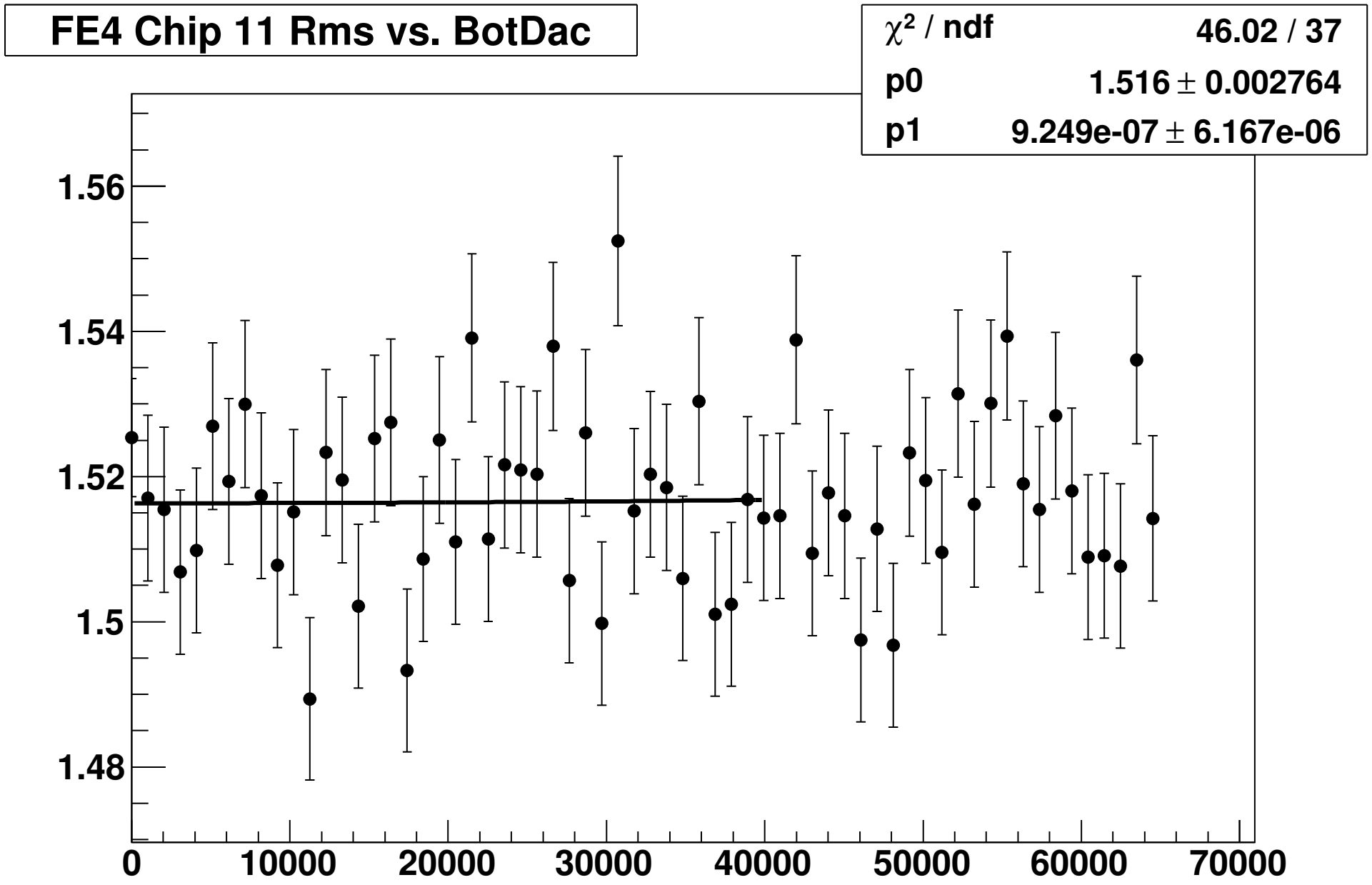
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 46.02 / 37
p0 1.516 ± 0.002764
p1 9.249e-07 ± 6.167e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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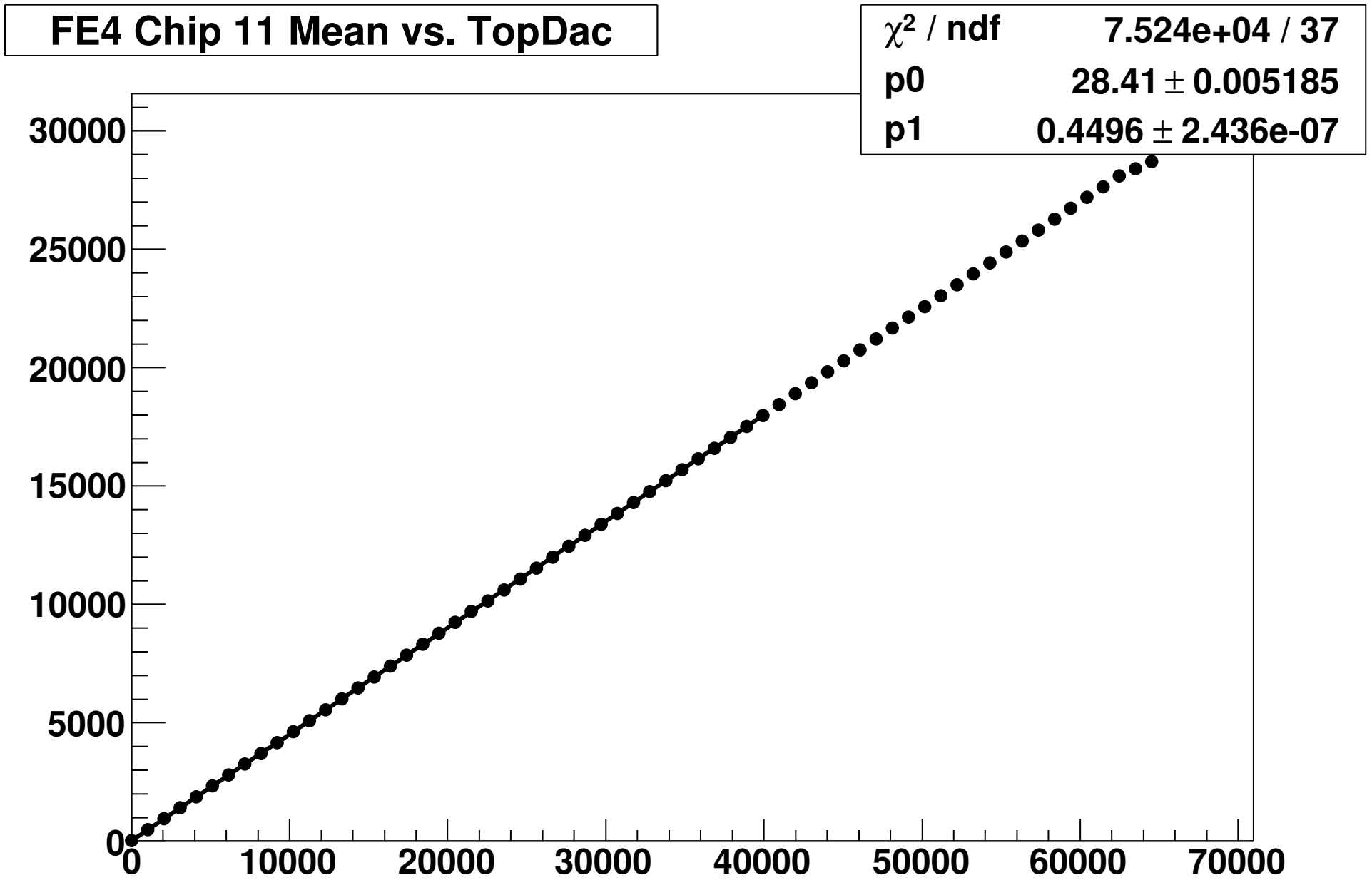
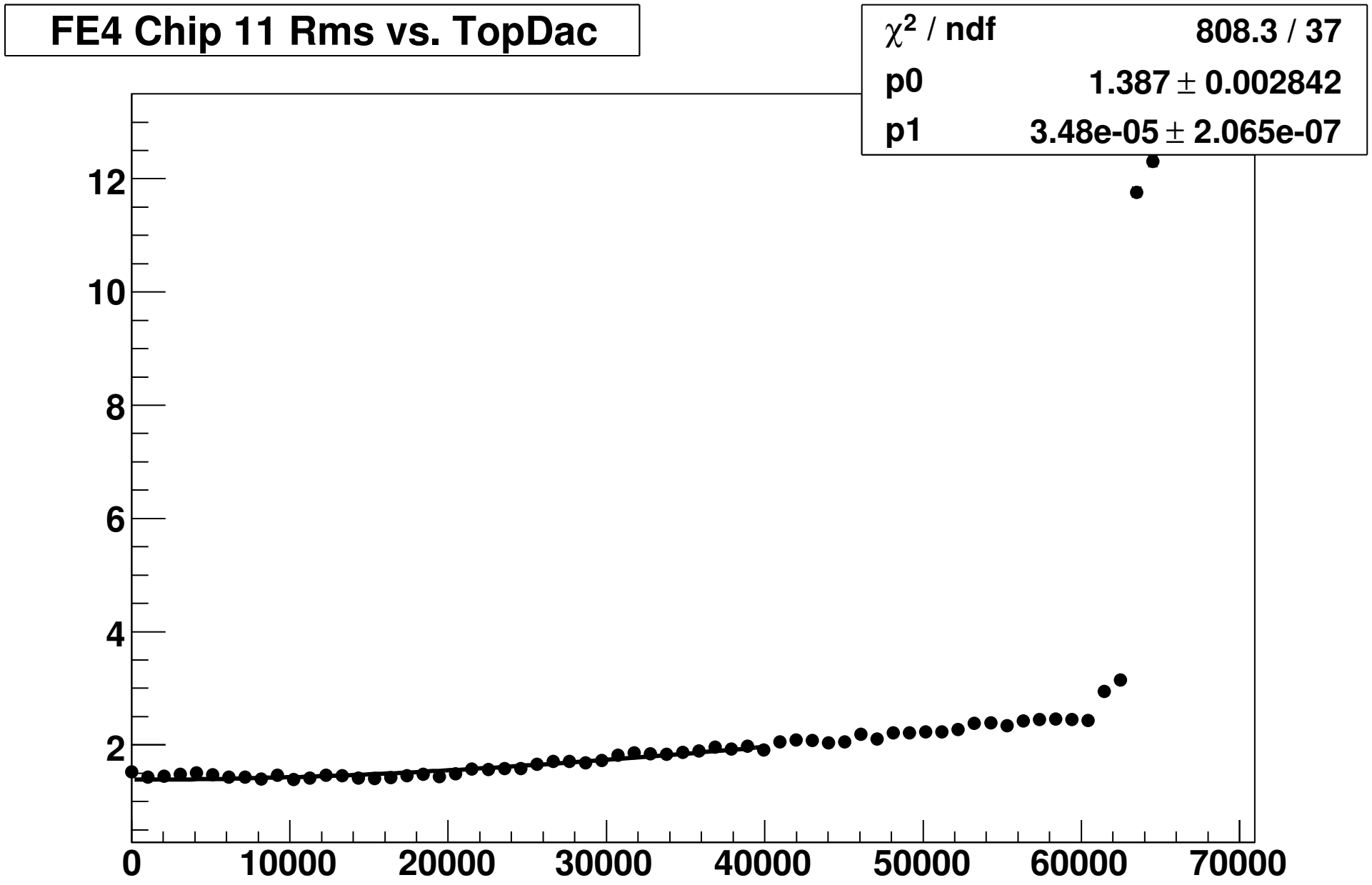
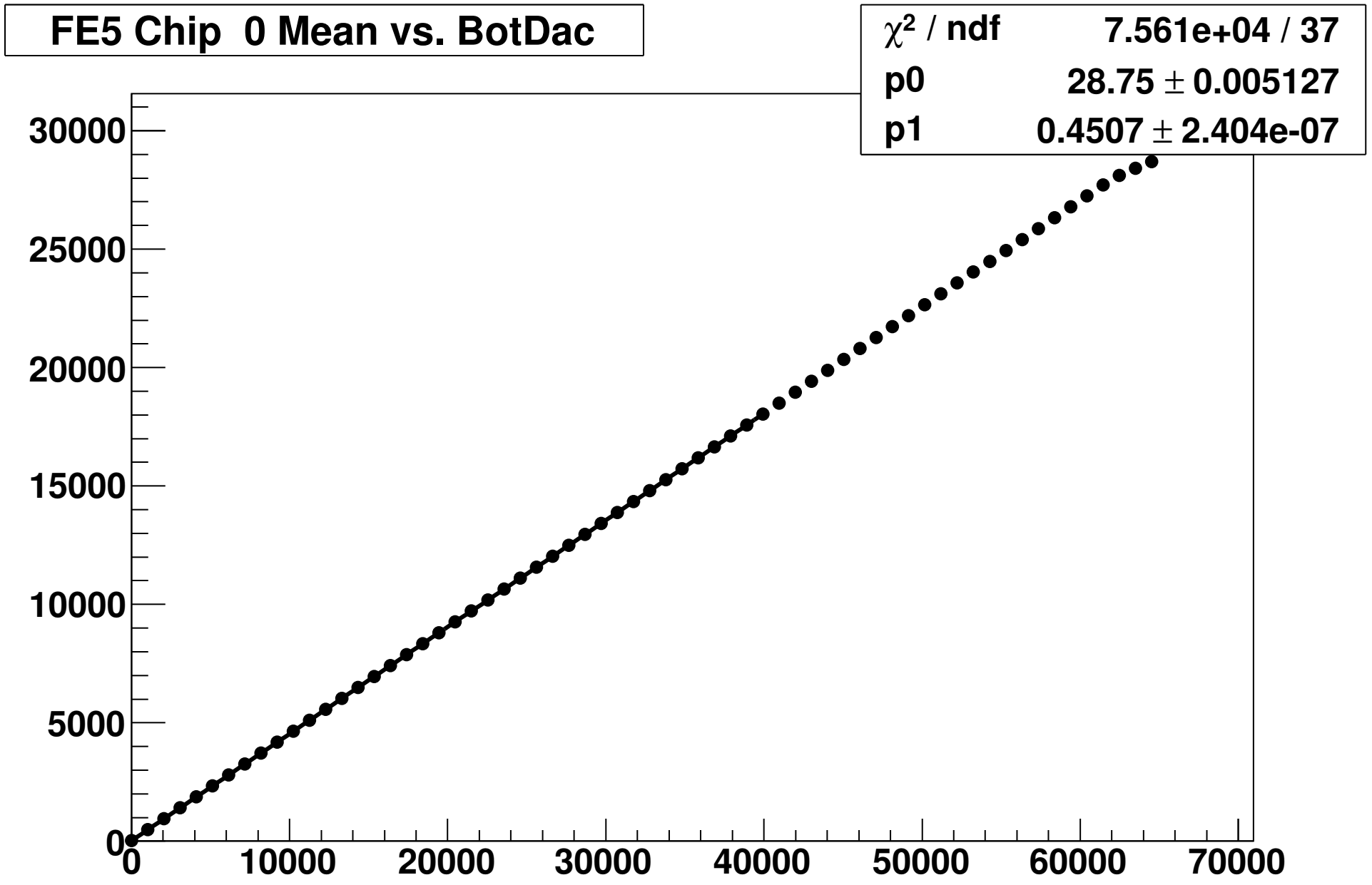
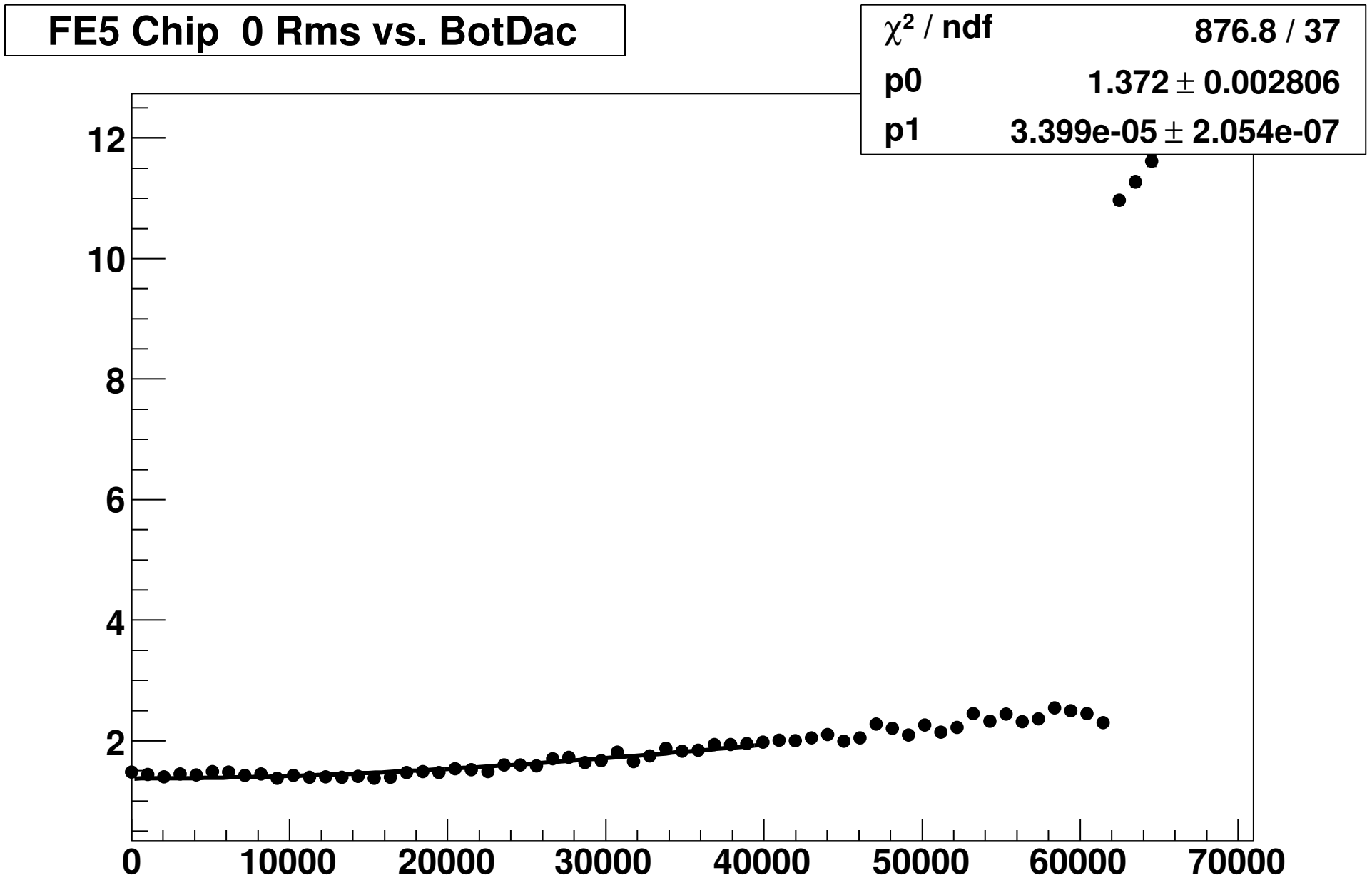
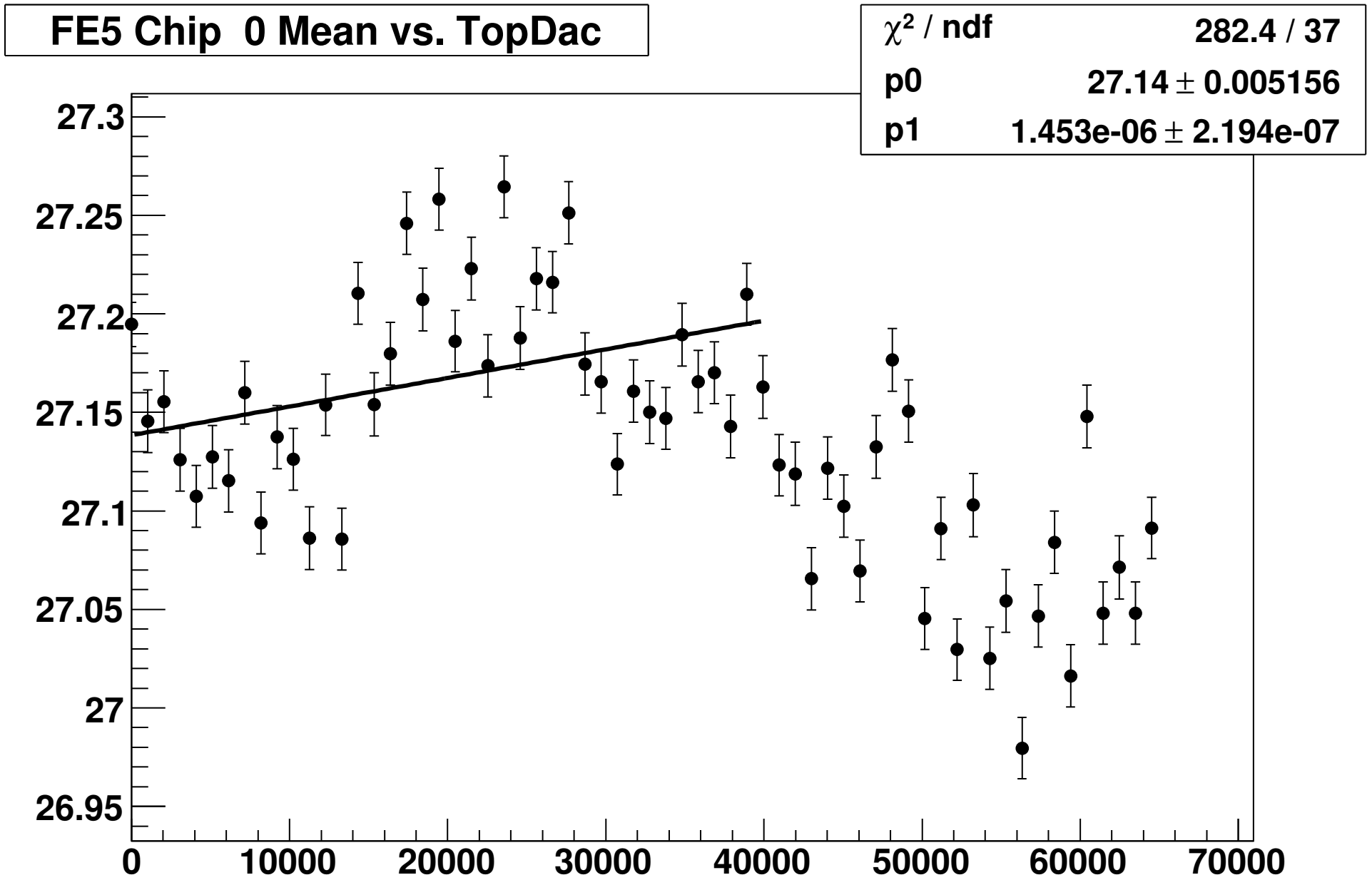
60000
70000

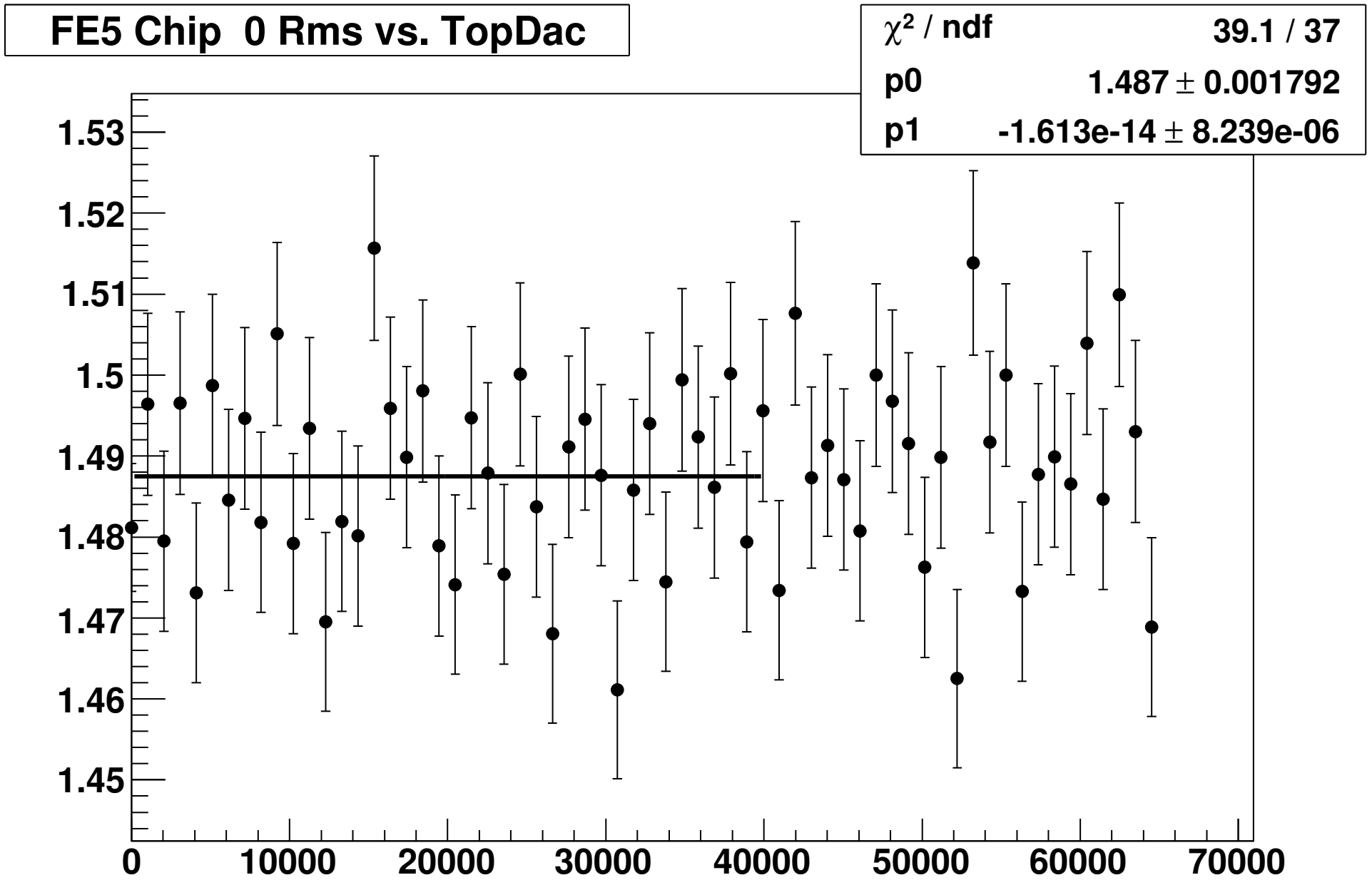

FE4 Chip 11 Mean vs. TopDac
χ² / ndf 7.524e+04 / 37
p0 28.41 ± 0.005185
p1 0.4496 ± 2.436e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

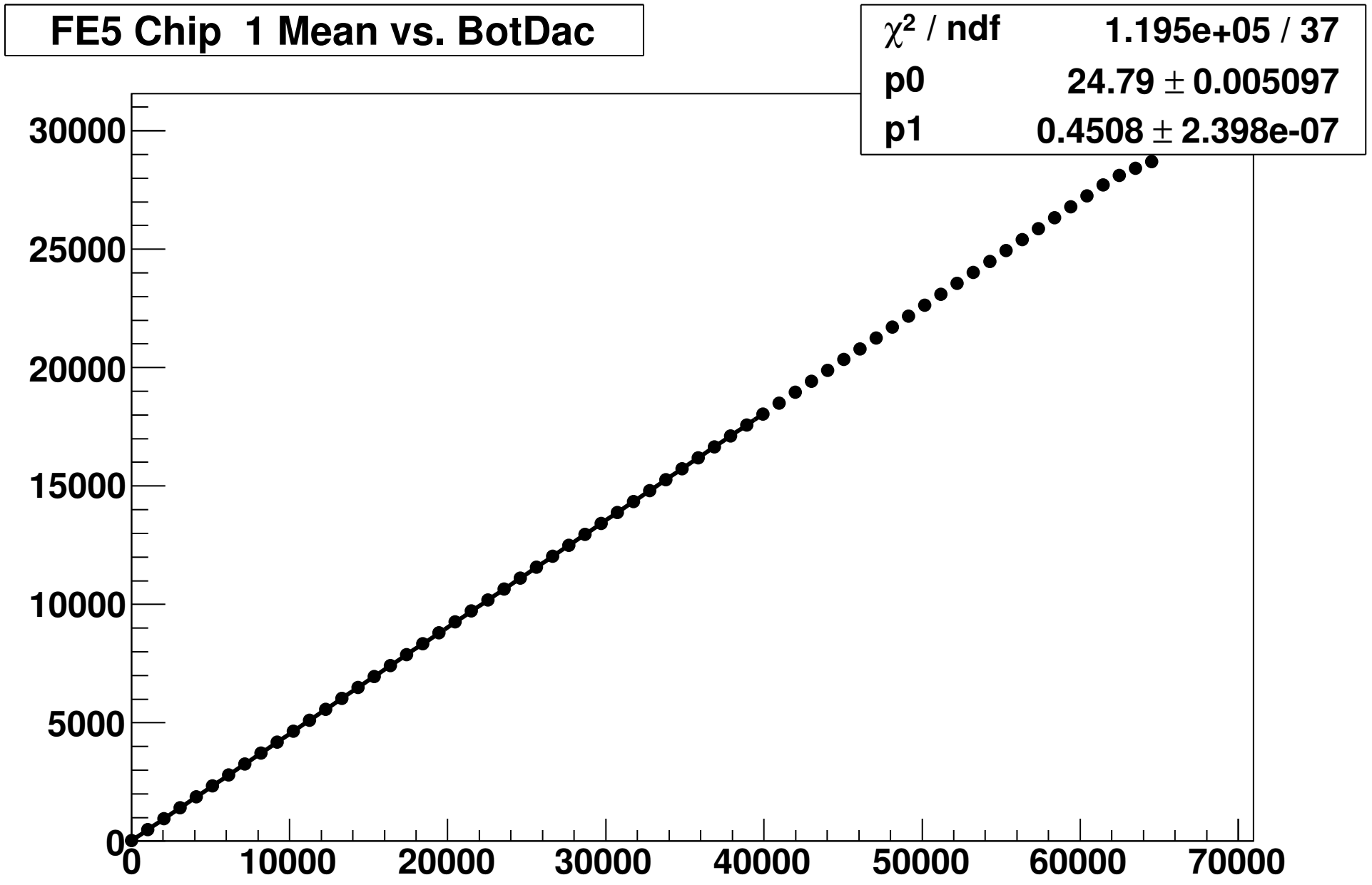

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 808.3 / 37
p0 1.387 ± 0.002842
p1 3.48e-05 ± 2.065e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

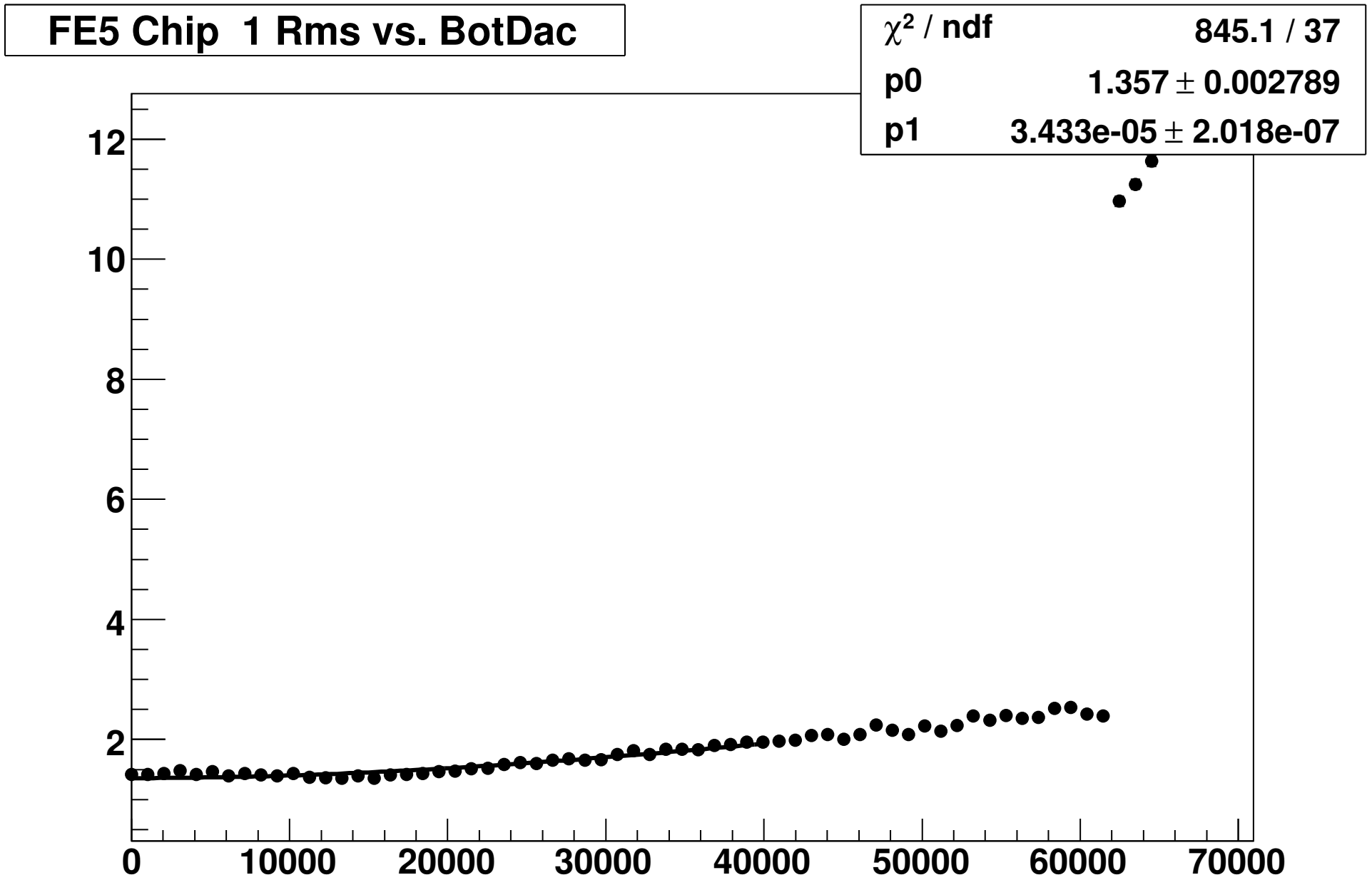

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 7.561e+04 / 37
p0 28.75 ± 0.005127
p1 0.4507 ± 2.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

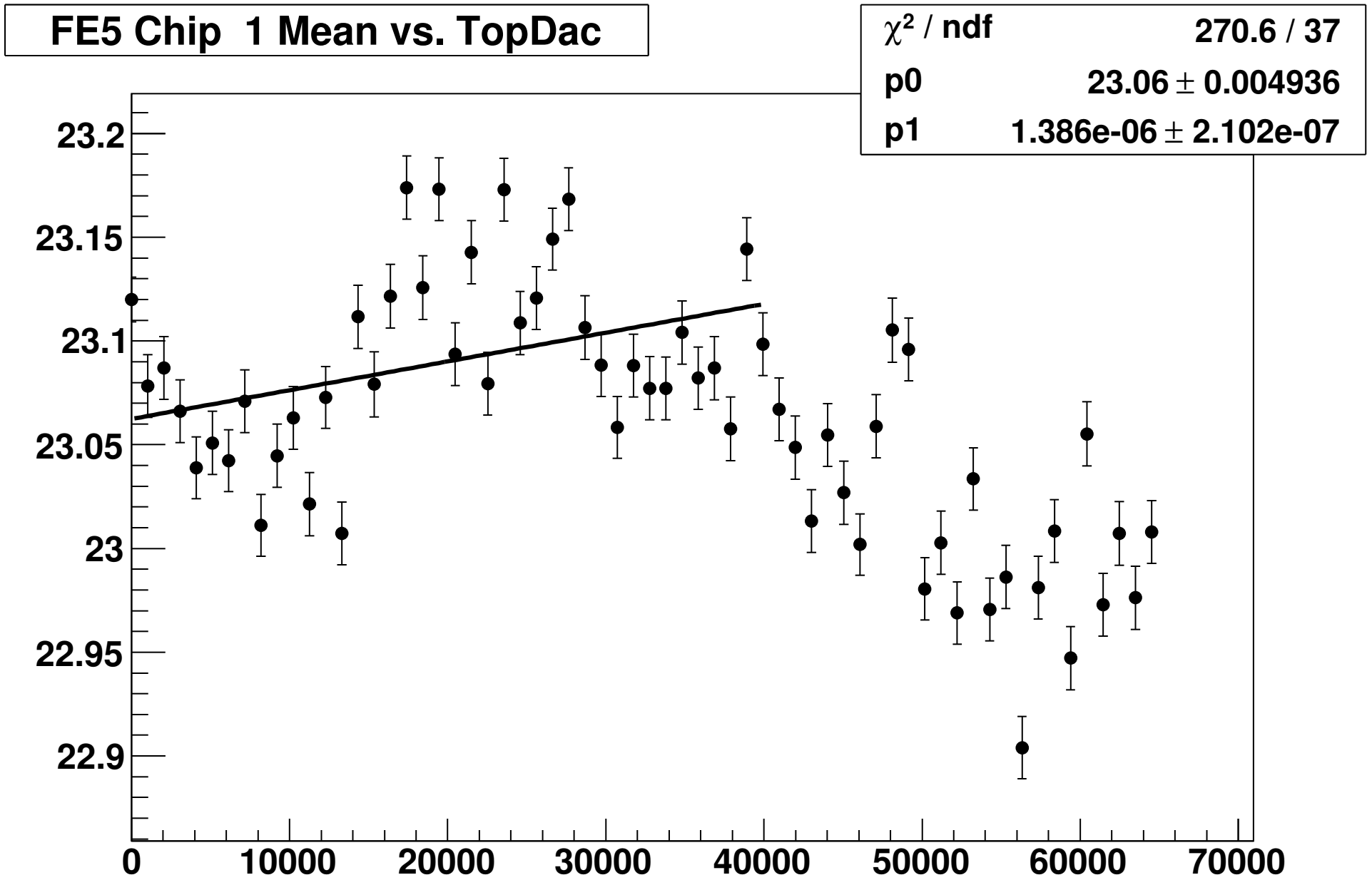

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 876.8 / 37
p0 1.372 ± 0.002806
p1 3.399e-05 ± 2.054e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

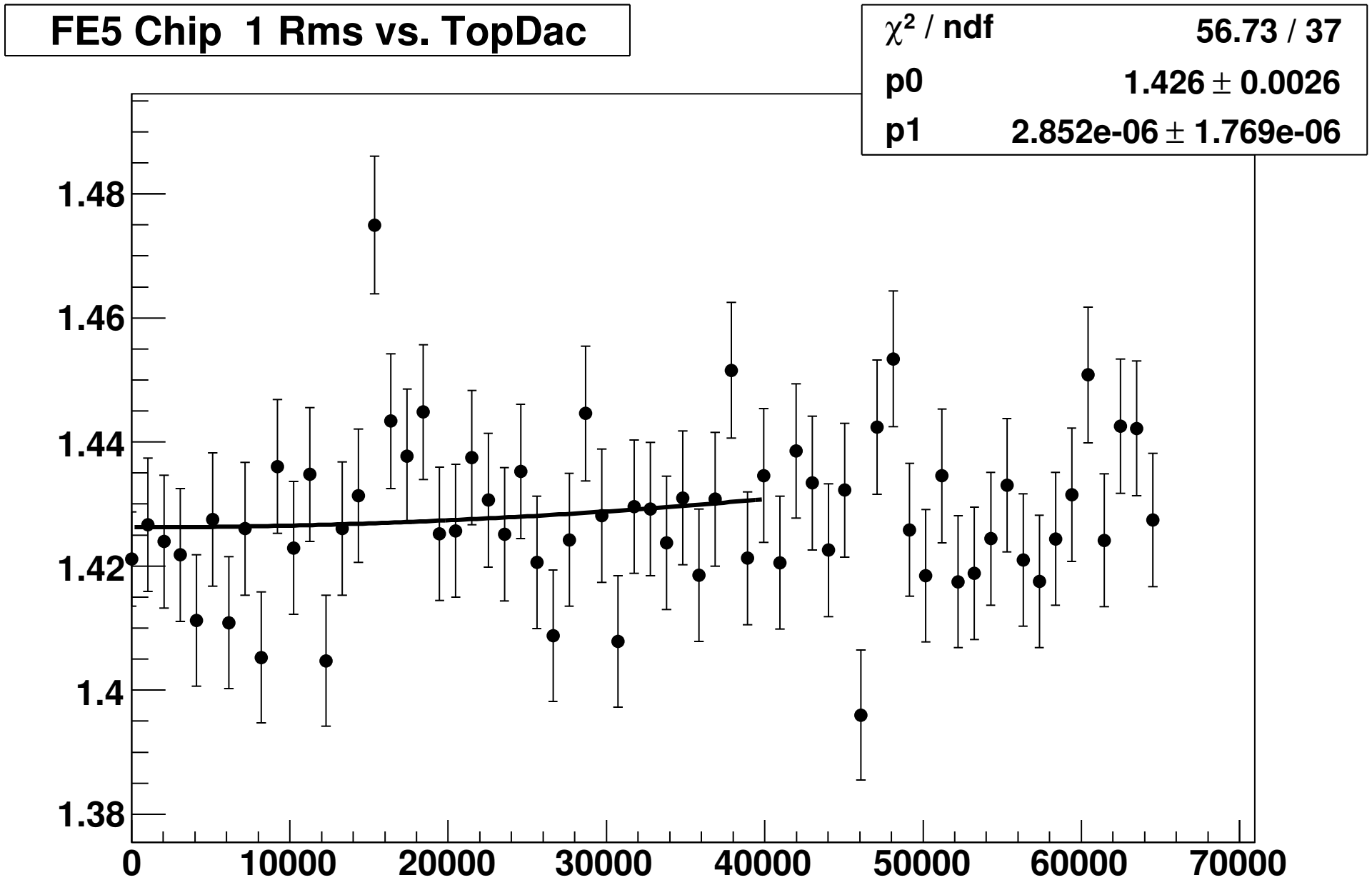

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 282.4 / 37
p0 27.14 ± 0.005156
p1 1.453e-06 ± 2.194e-07
27.3
27.25
27.2
27.15
27.1
27.05
27
26.95
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 39.1 / 37
p0 1.487 ± 0.001792
p1 -1.613e-14 ± 8.239e-06
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


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.195e+05 / 37
p0 24.79 ± 0.005097
p1 0.4508 ± 2.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 845.1 / 37
p0 1.357 ± 0.002789
p1 3.433e-05 ± 2.018e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 270.6 / 37
p0 23.06 ± 0.004936
p1 1.386e-06 ± 2.102e-07
23.2
23.15
23.1
23.05
23
22.95
22.9
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 56.73 / 37
p0 1.426 ± 0.0026
p1 2.852e-06 ± 1.769e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
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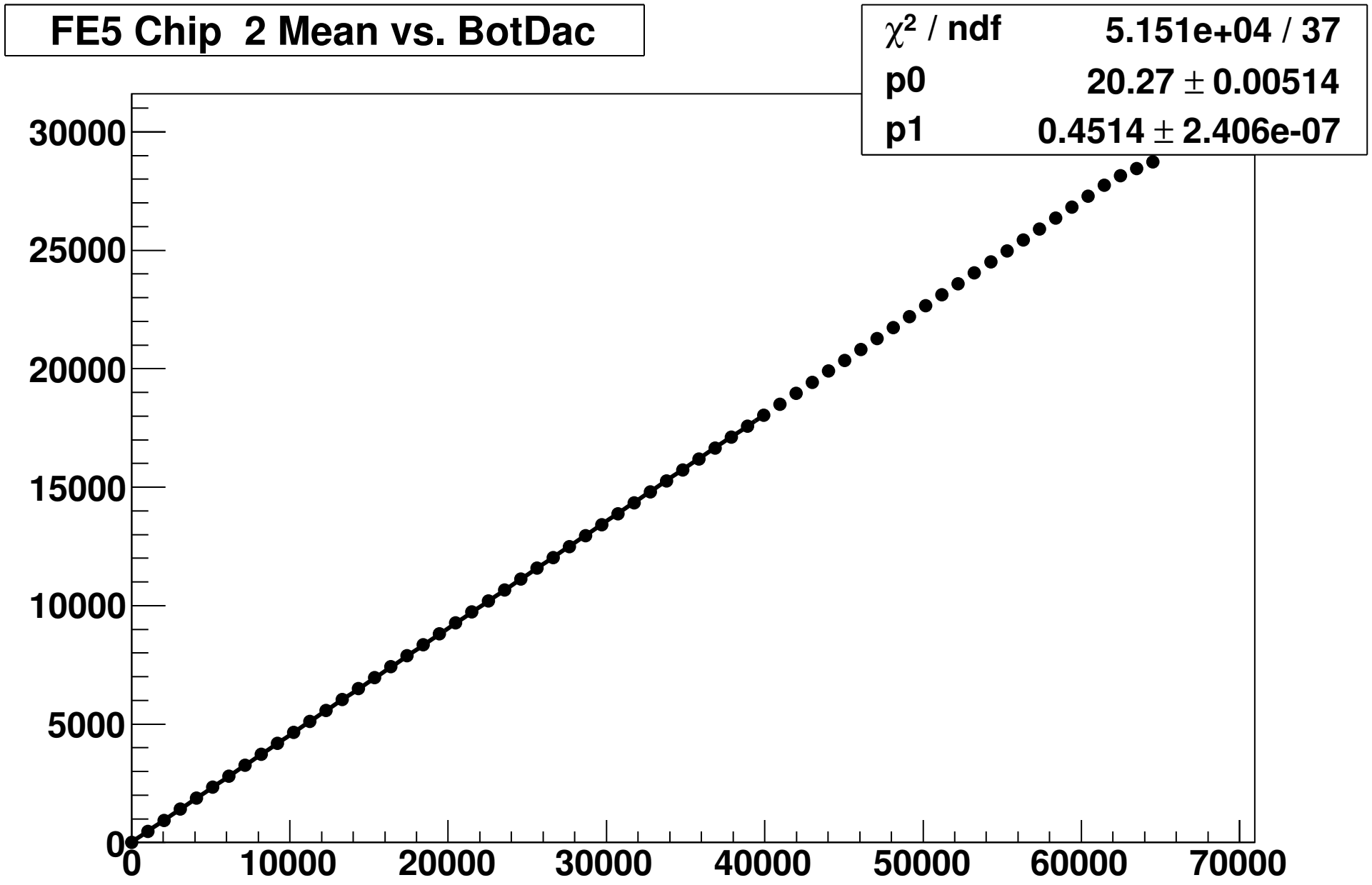
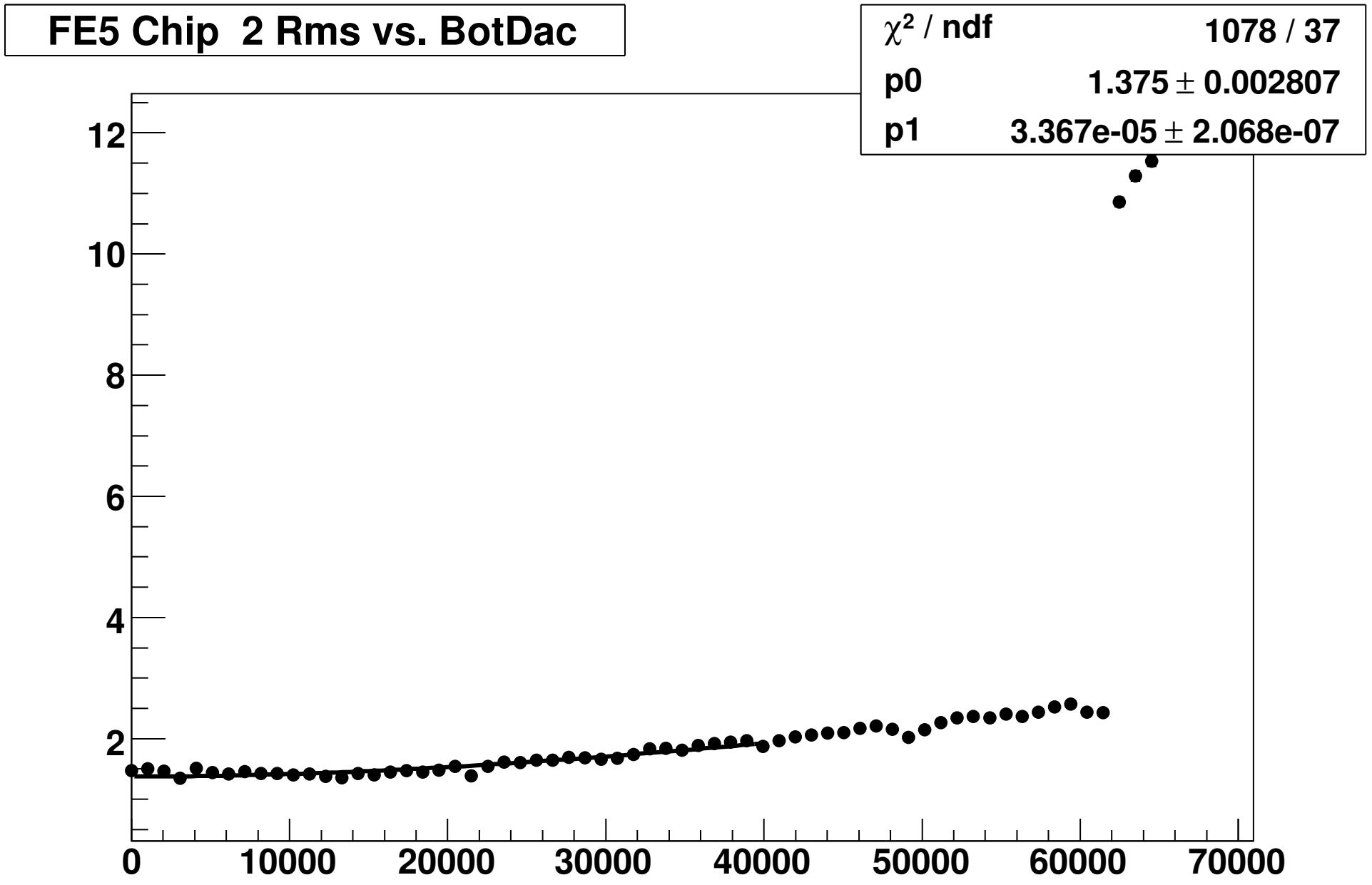
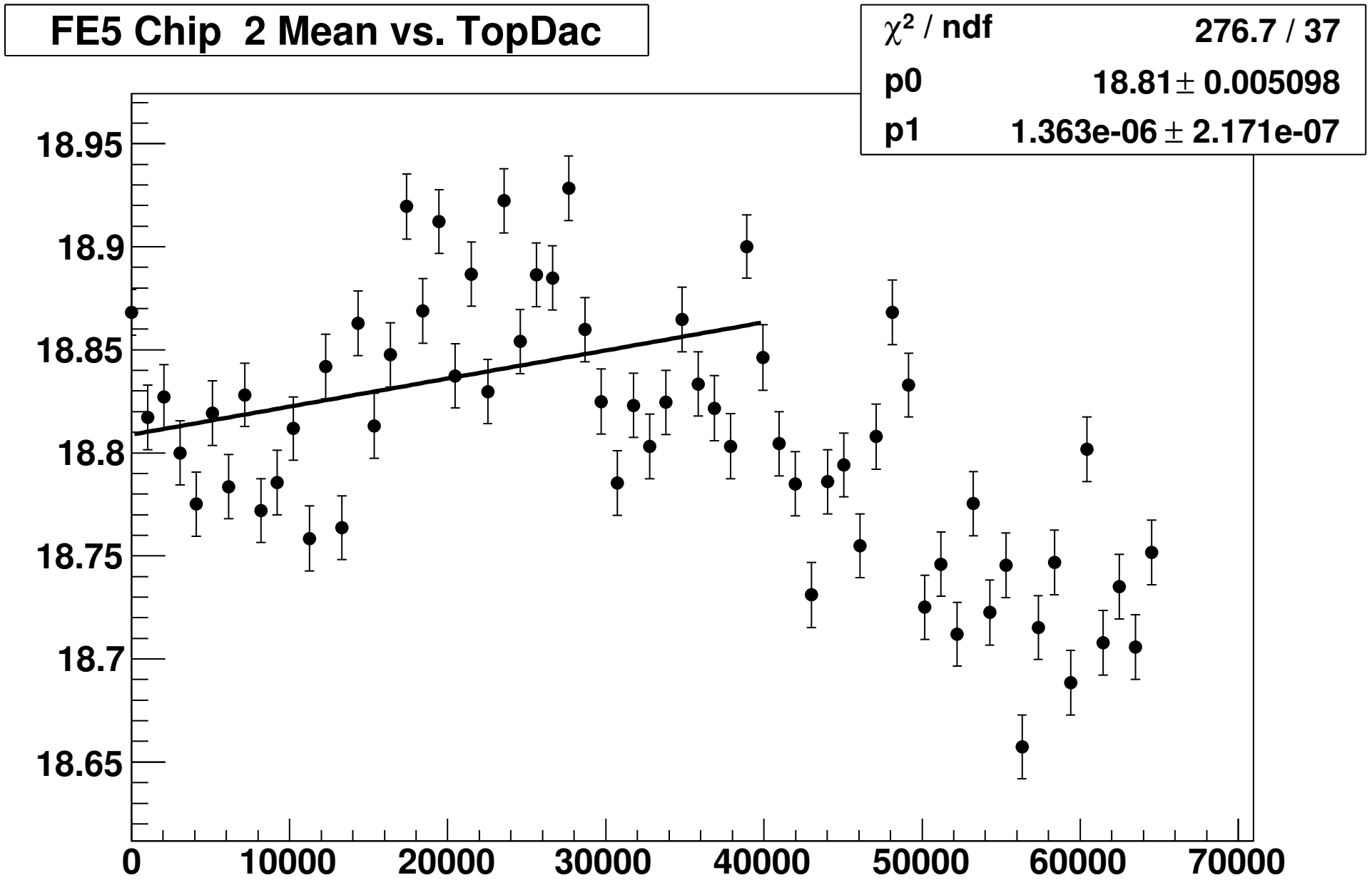
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 5.151e+04 / 37
p0 20.27 ± 0.00514
p1 0.4514 ± 2.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1078 / 37
p0 1.375 ± 0.002807
p1 3.367e-05 ± 2.068e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 276.7 / 37
p0 18.81 ± 0.005098
p1 1.363e-06 ± 2.171e-07
18.95
18.9
18.85
18.8
18.75
18.7
18.65
0
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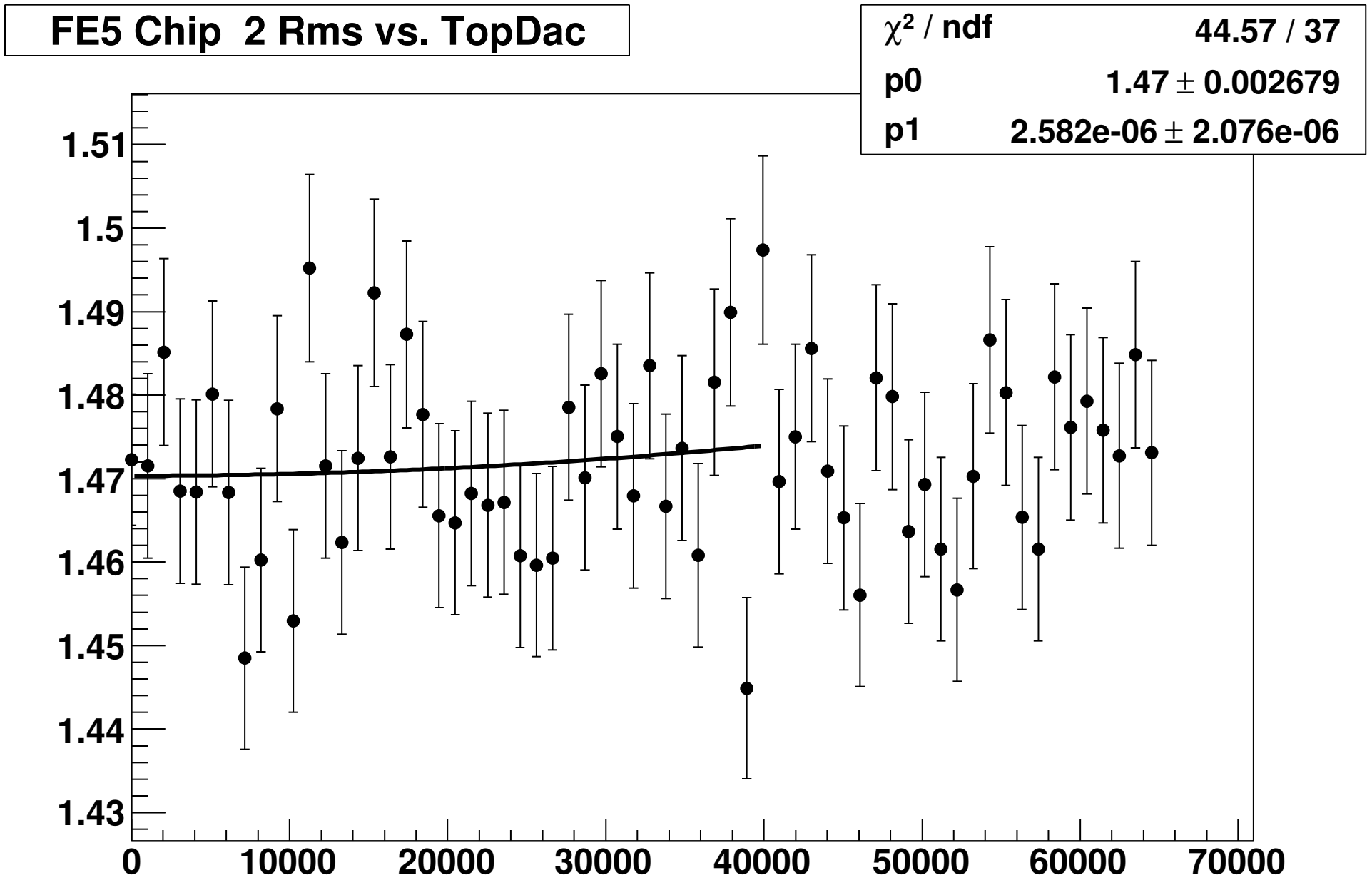
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 44.57 / 37
p0 1.47 ± 0.002679
p1 2.582e-06 ± 2.076e-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
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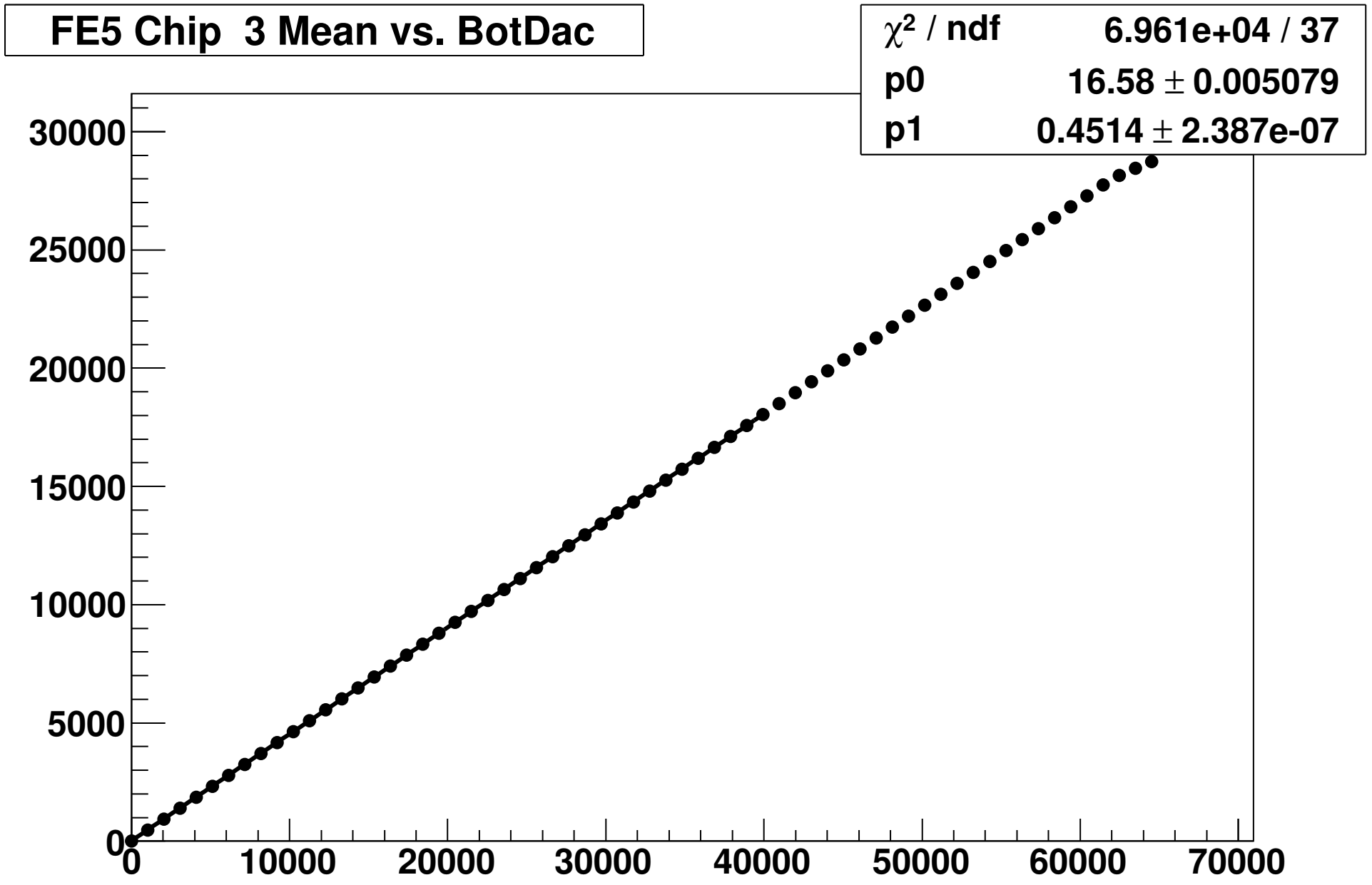
FE5 Chip 3 Mean vs. BotDac
χ² / ndf 6.961e+04 / 37
p0 16.58 ± 0.005079
p1 0.4514 ± 2.387e-07
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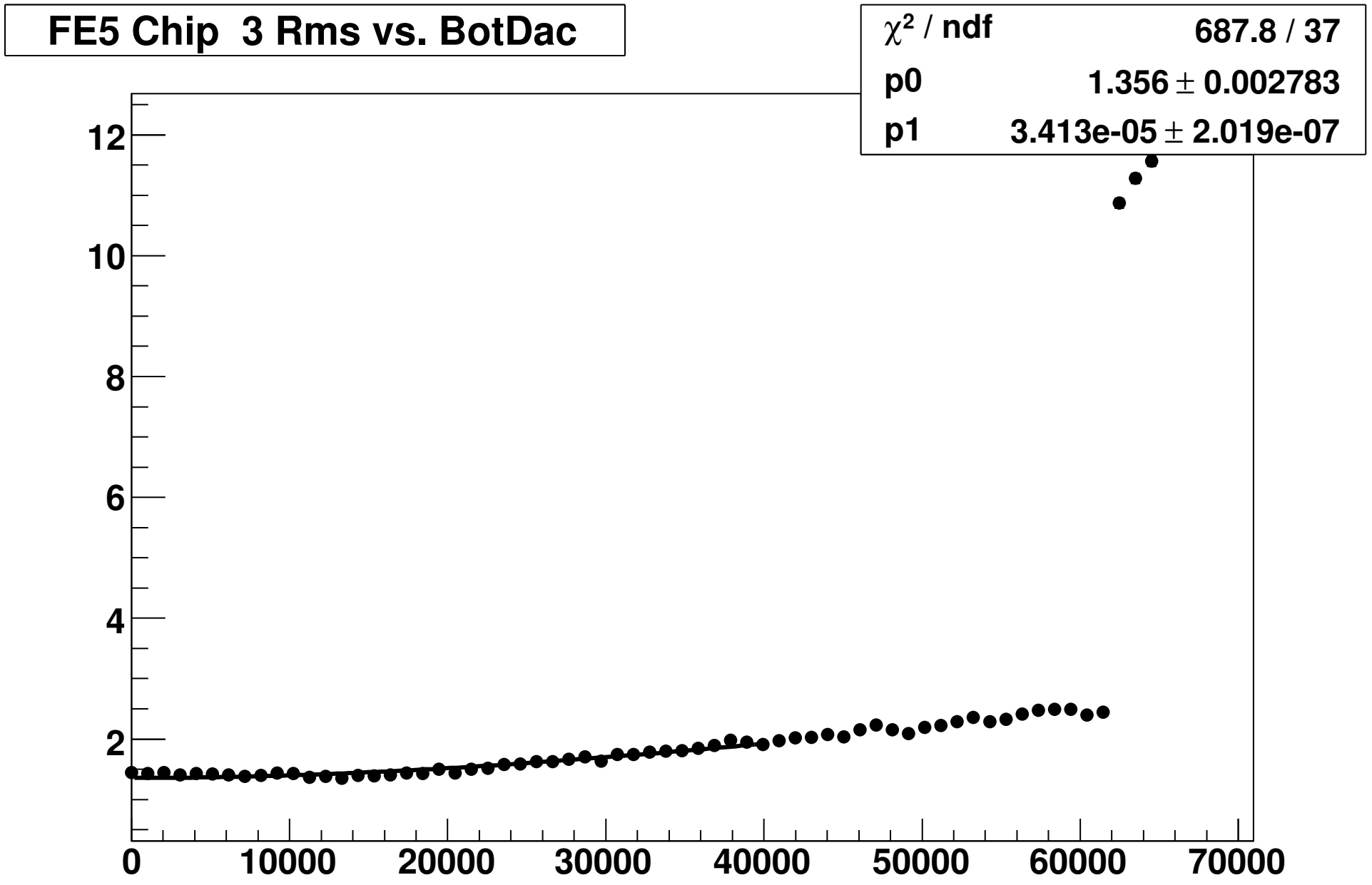
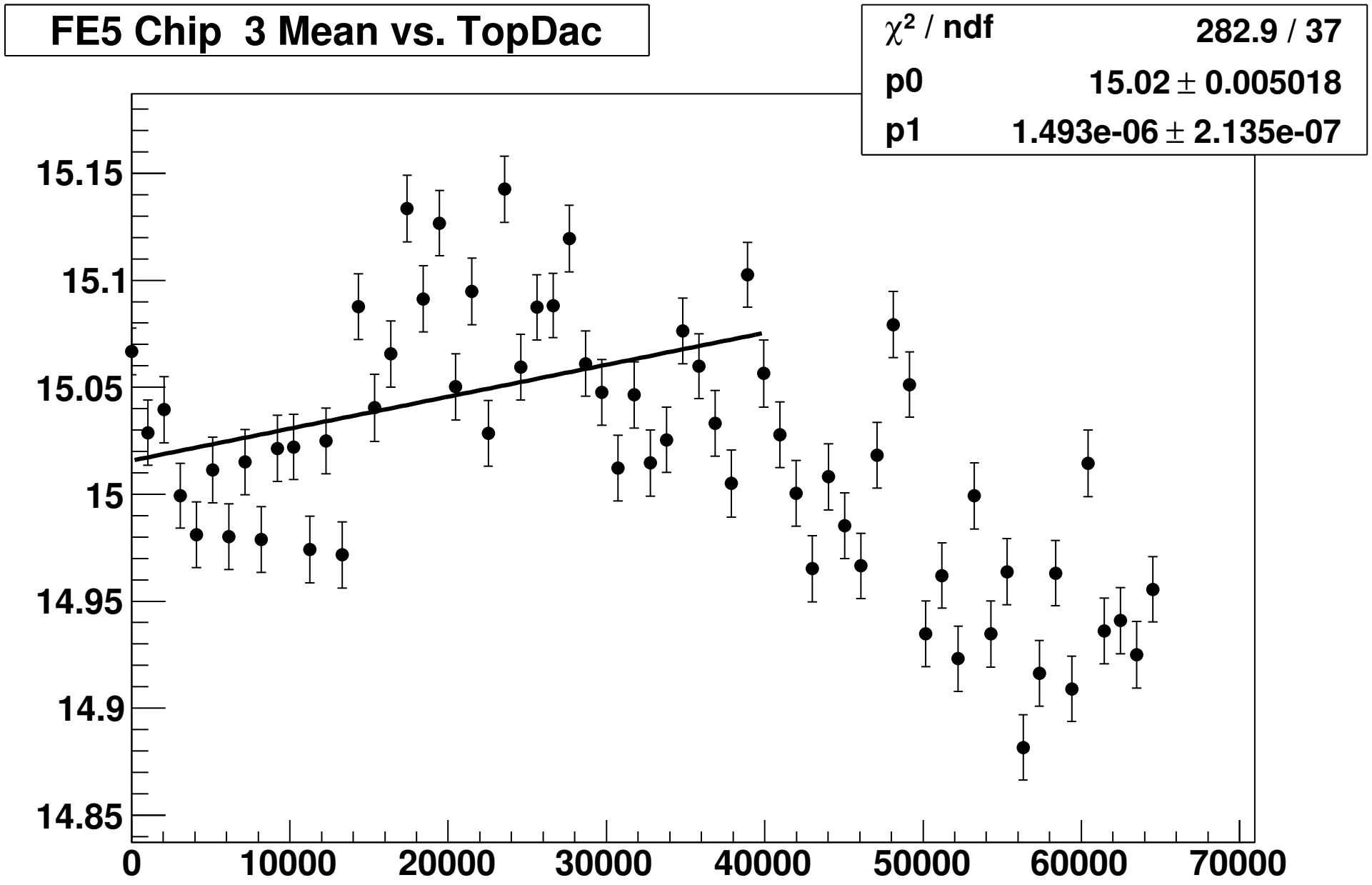
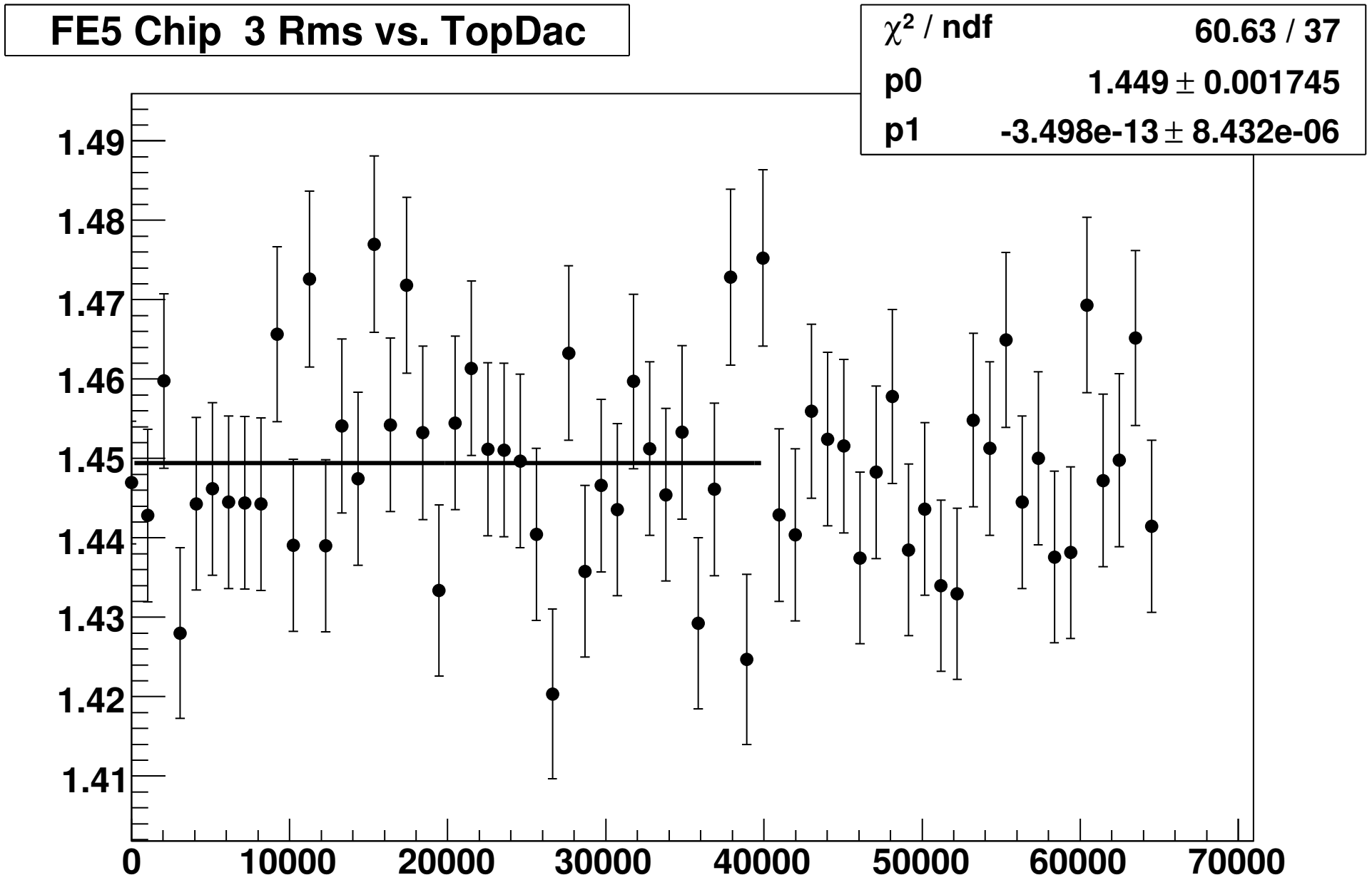
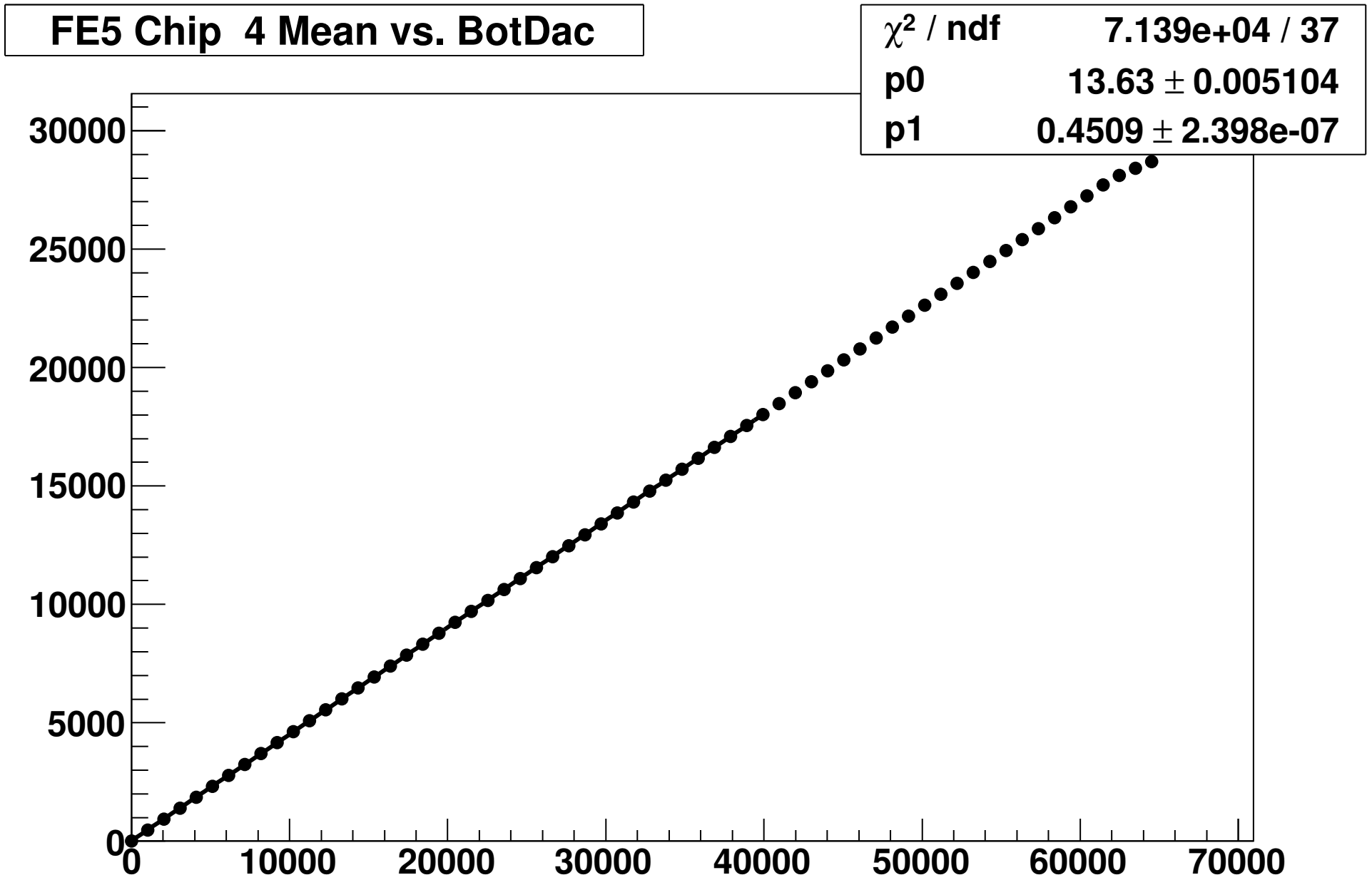
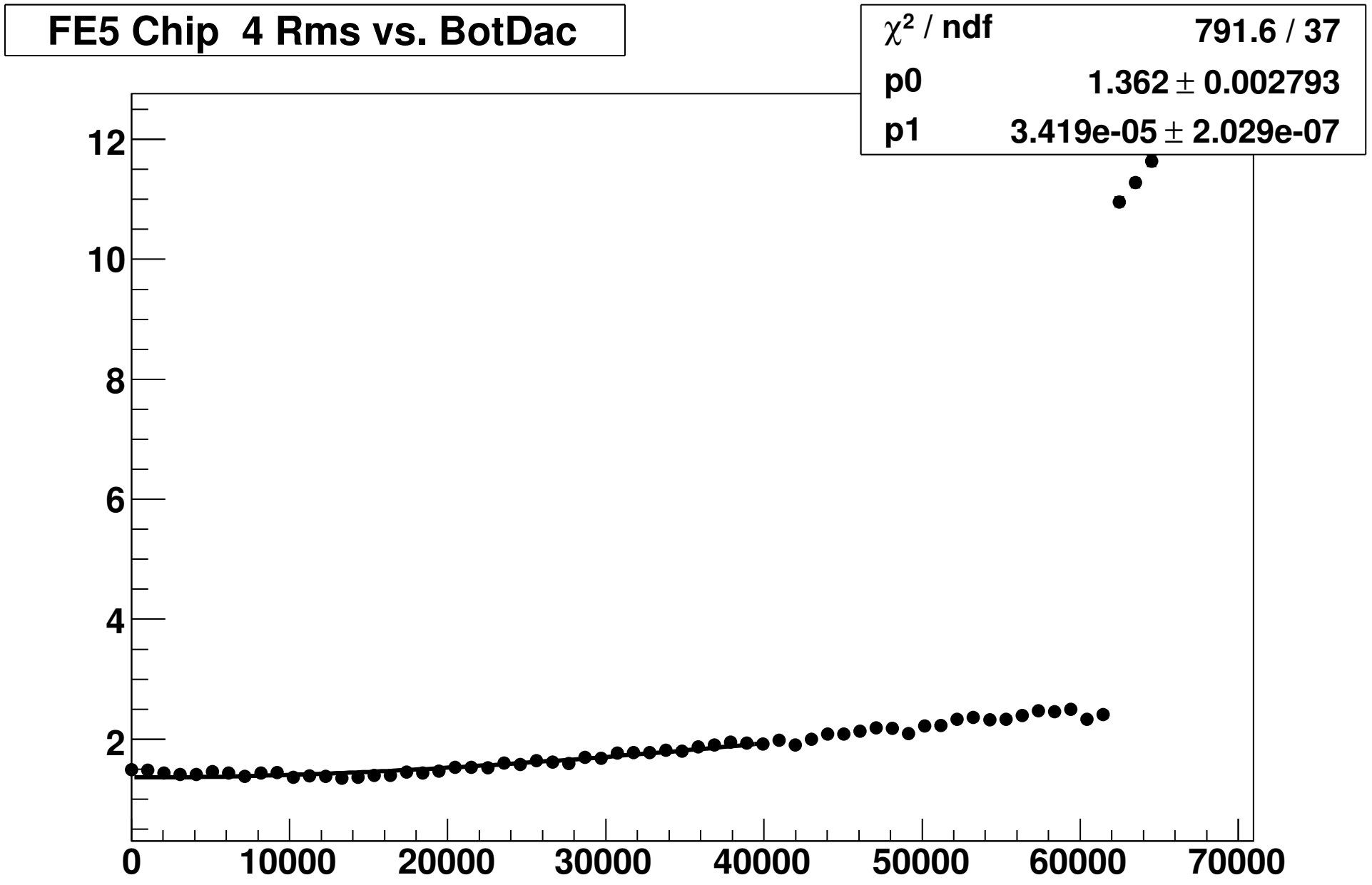
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

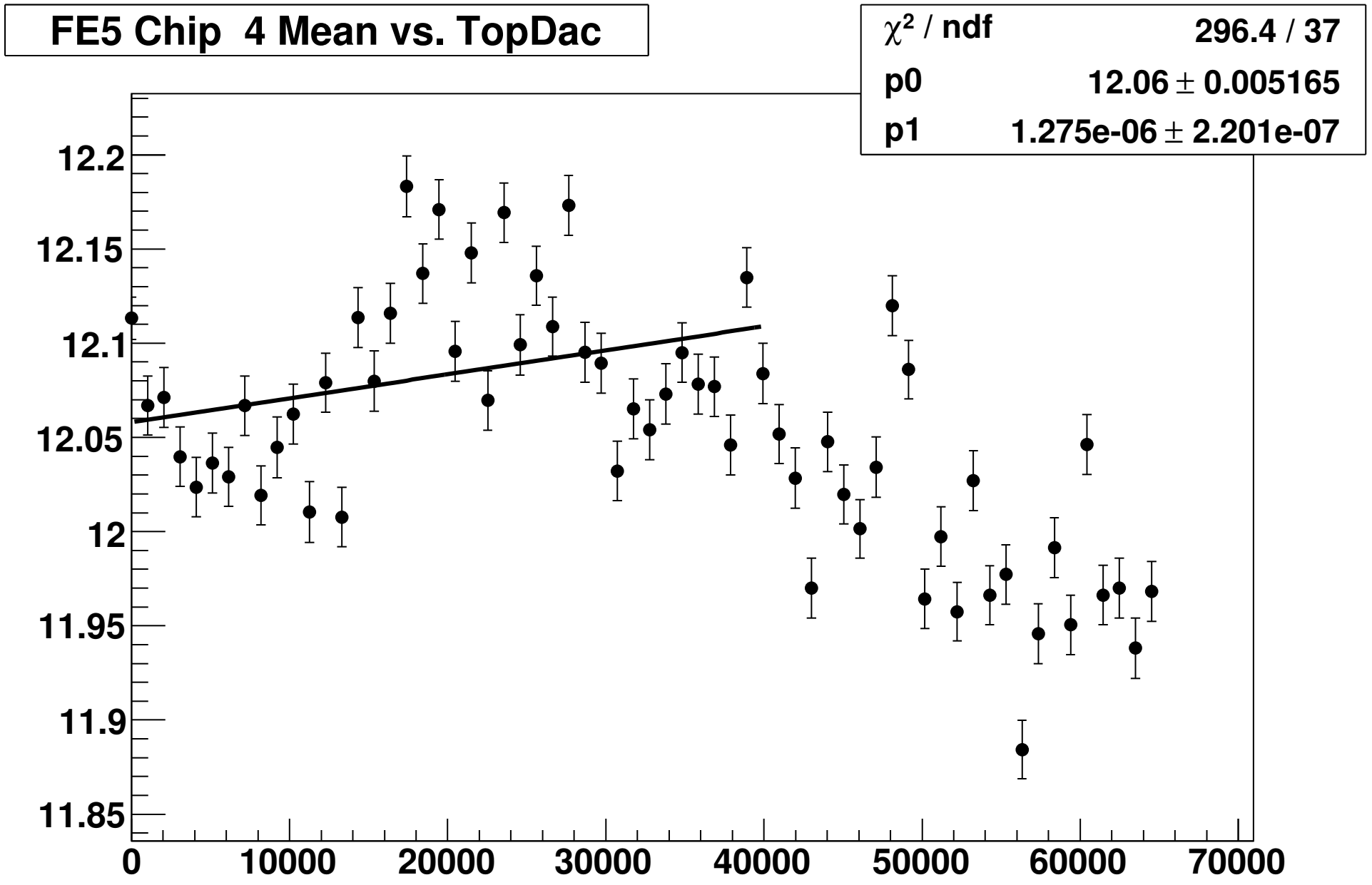

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 687.8 / 37
p0 1.356 ± 0.002783
p1 3.413e-05 ± 2.019e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

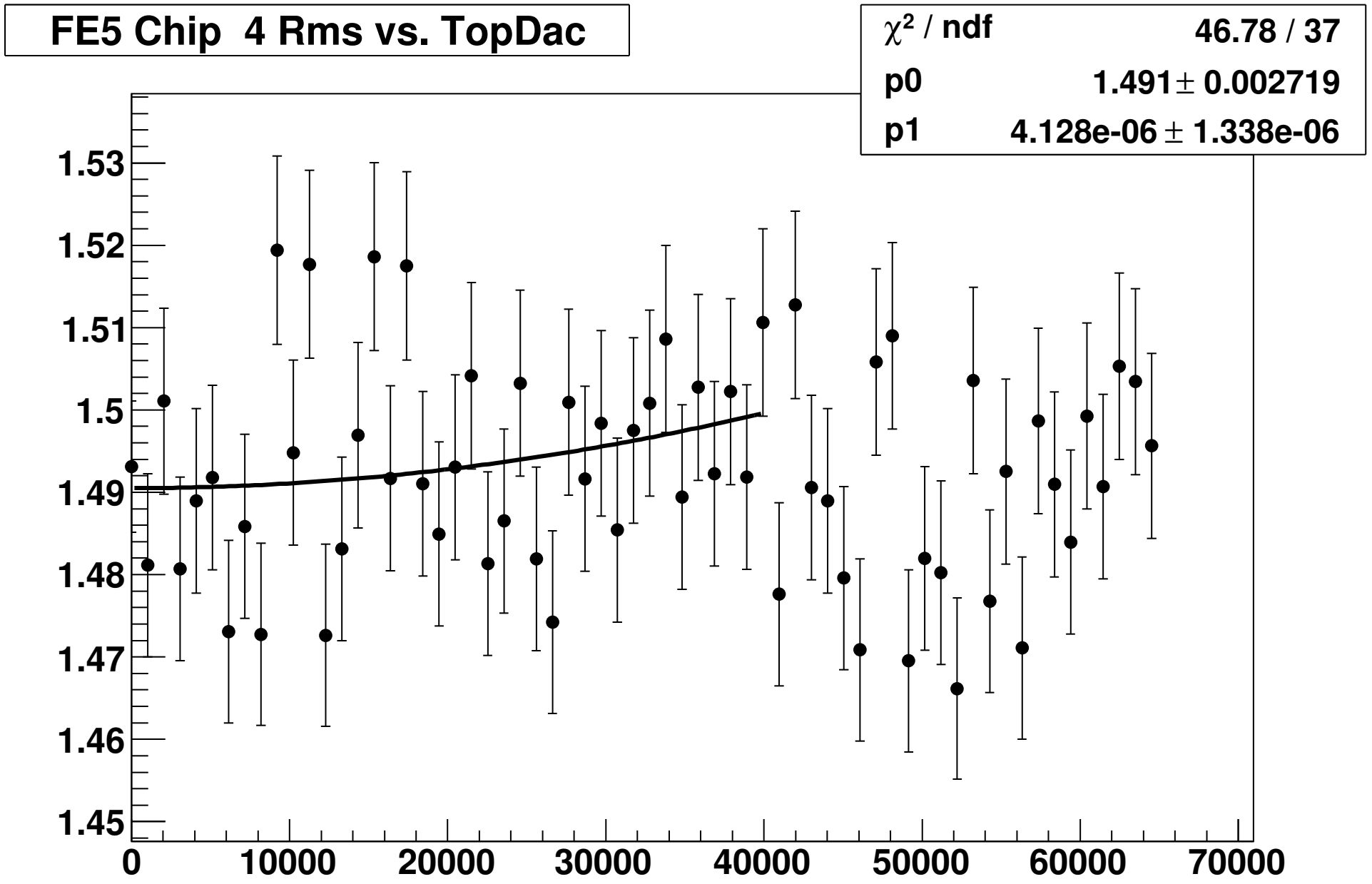

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 282.9 / 37
p0 15.02 ± 0.005018
p1 1.493e-06 ± 2.135e-07
15.15
15.1
15.05
15
14.95
14.9
14.85
0
10000
20000
30000
40000
50000
60000
70000

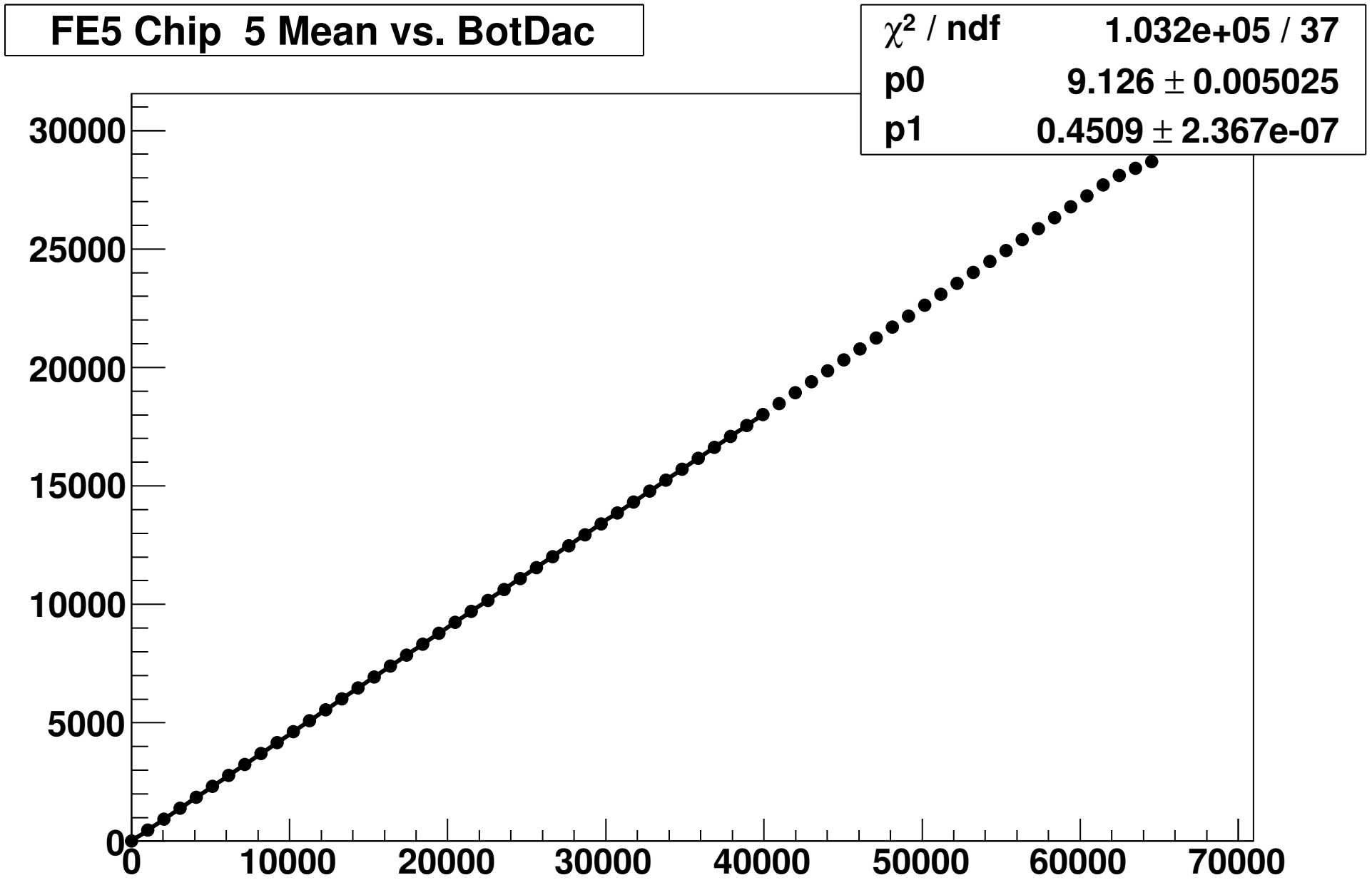

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 60.63 / 37
p0 1.449 ± 0.001745
p1 -3.498e-13 ± 8.432e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

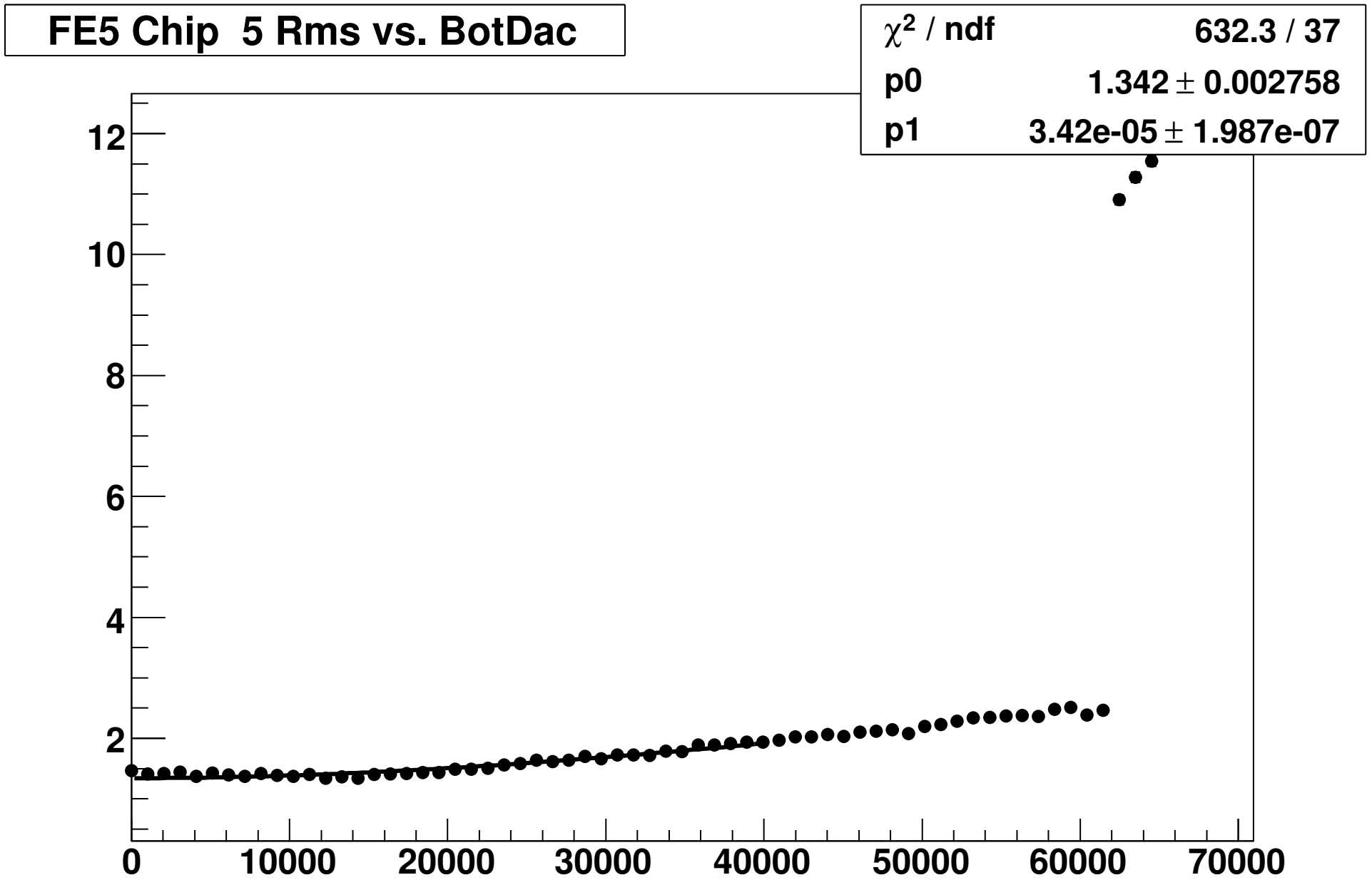

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 7.139e+04 / 37
p0 13.63 ± 0.005104
p1 0.4509 ± 2.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

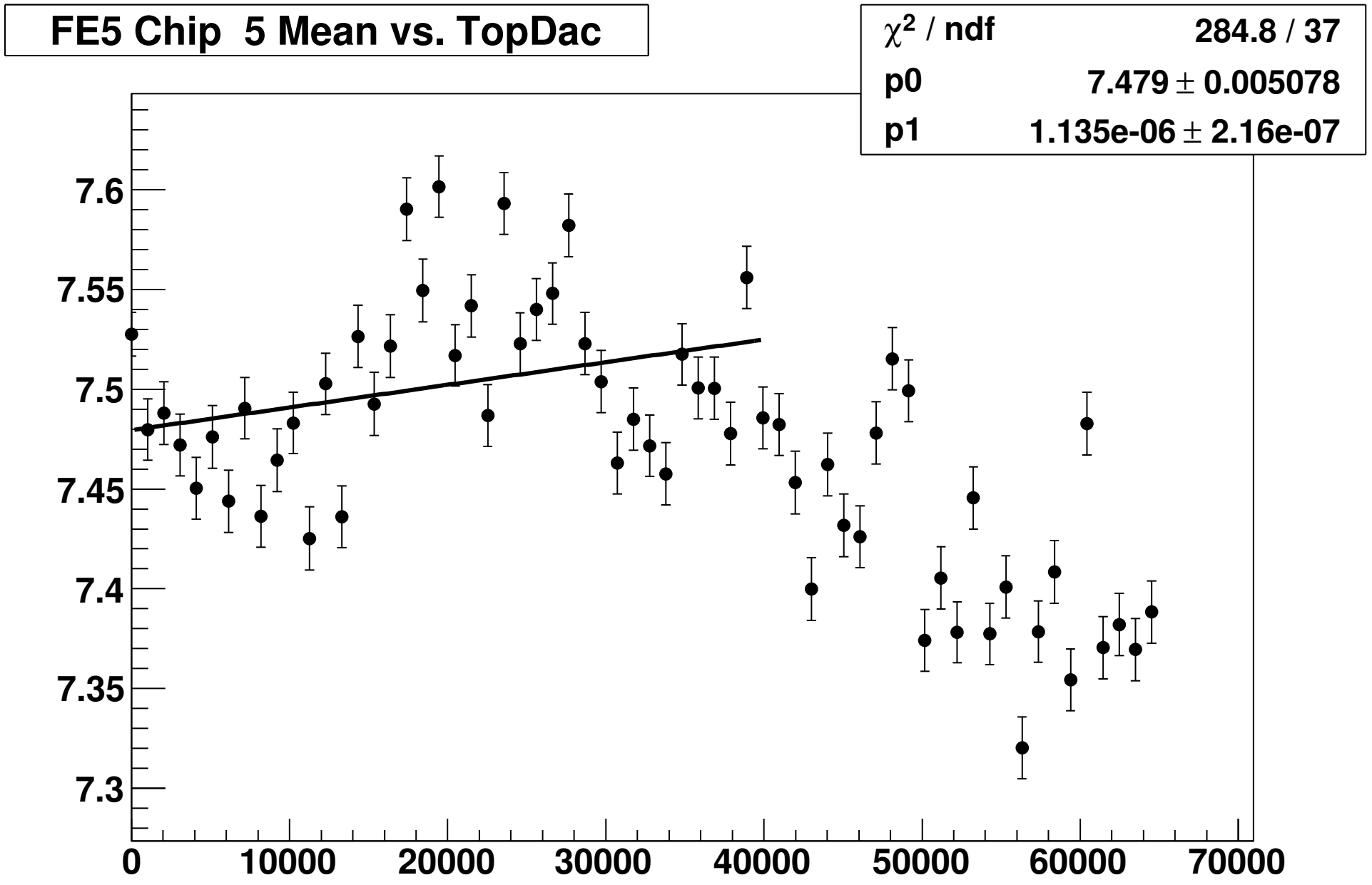

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 791.6 / 37
p0 1.362 ± 0.002793
p1 3.419e-05 ± 2.029e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

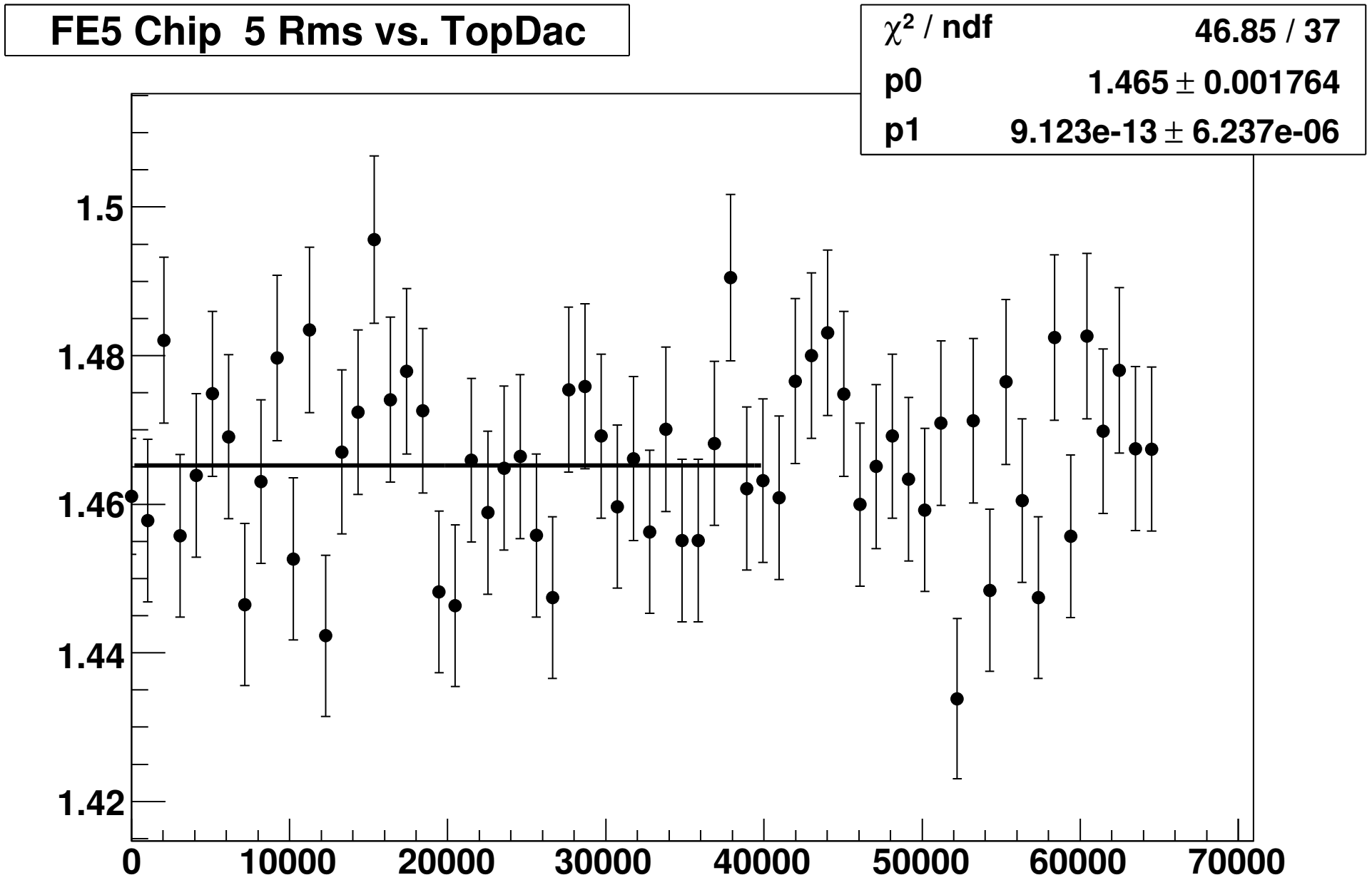

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 296.4 / 37
p0 12.06 ± 0.005165
p1 1.275e-06 ± 2.201e-07
12.2
12.15
12.1
12.05
12
11.95
11.9
11.85
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 46.78 / 37
p0 1.491 ± 0.002719
p1 4.128e-06 ± 1.338e-06
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


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.032e+05 / 37
p0 9.126 ± 0.005025
p1 0.4509 ± 2.367e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 632.3 / 37
p0 1.342 ± 0.002758
p1 3.42e-05 ± 1.987e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 284.8 / 37
p0 7.479 ± 0.005078
p1 1.135e-06 ± 2.16e-07
7.6
7.55
7.5
7.45
7.4
7.35
7.3
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 46.85 / 37
p0 1.465 ± 0.001764
p1 9.123e-13 ± 6.237e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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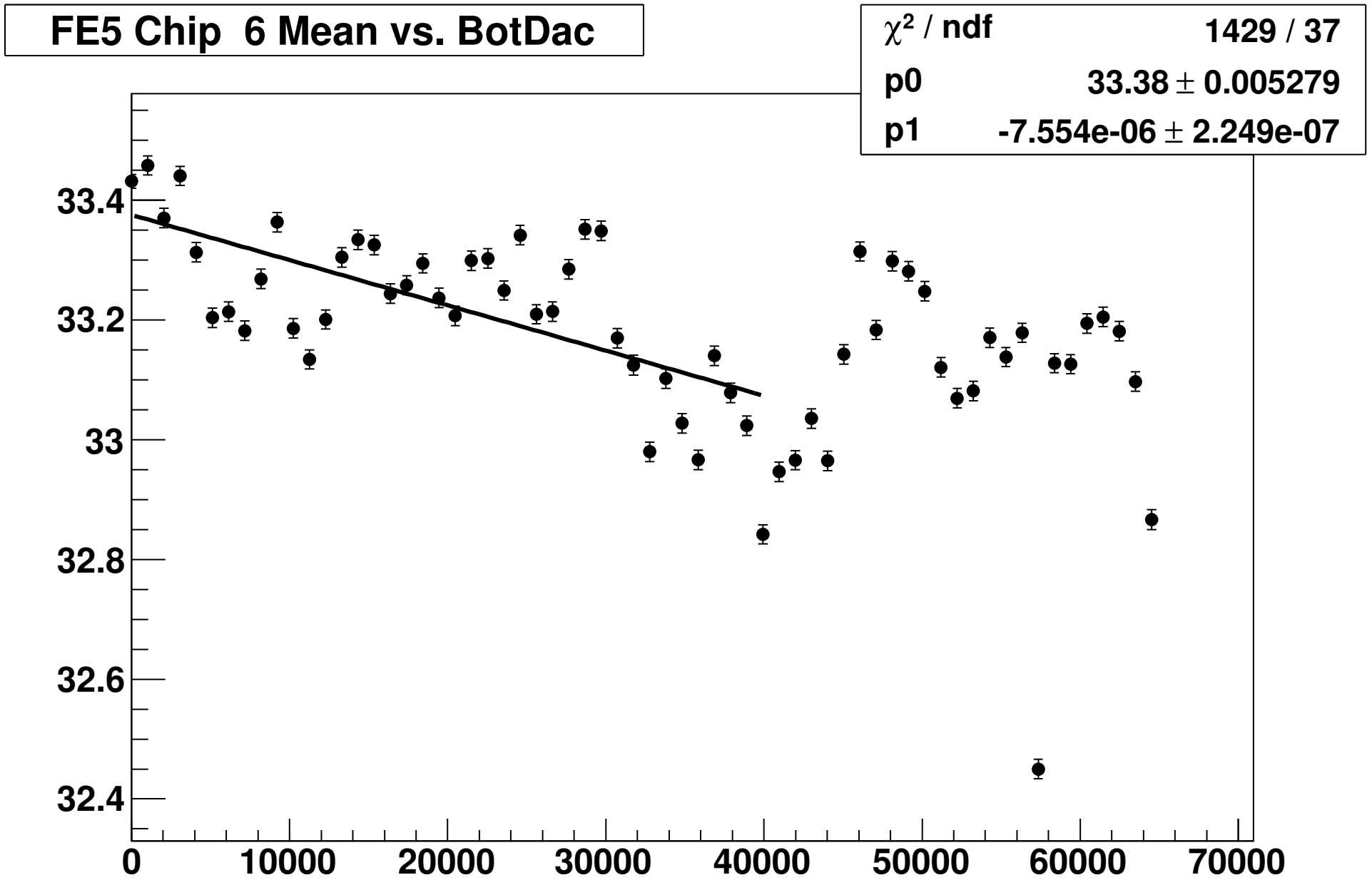
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 1429 / 37
p0 33.38 ± 0.005279
p1 -7.554e-06 ± 2.249e-07
33.4
33.2
33
32.8
32.6
32.4
0
10000
20000
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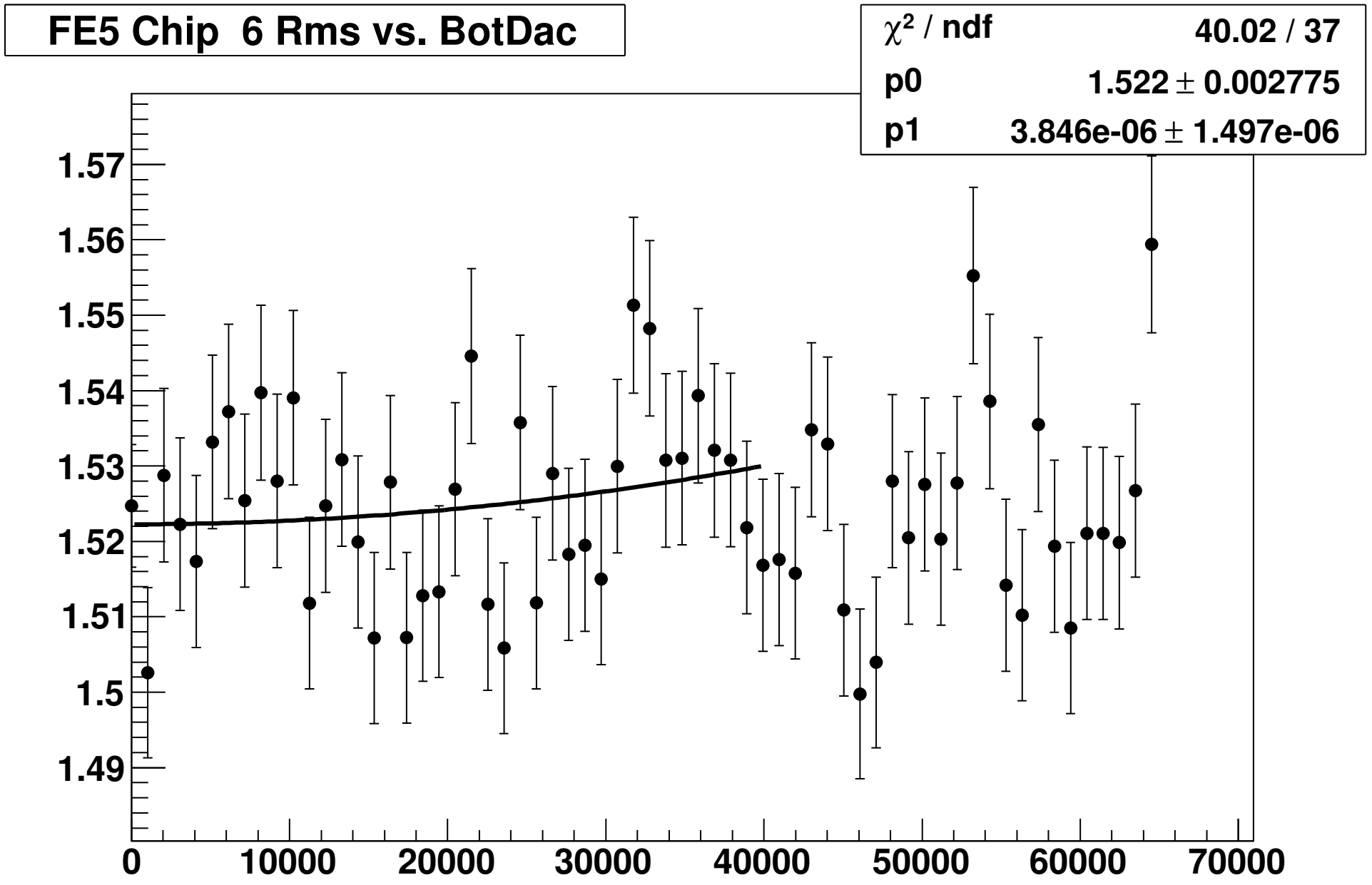
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 40.02 / 37
p0 1.522 ± 0.002775
p1 3.846e-06 ± 1.497e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
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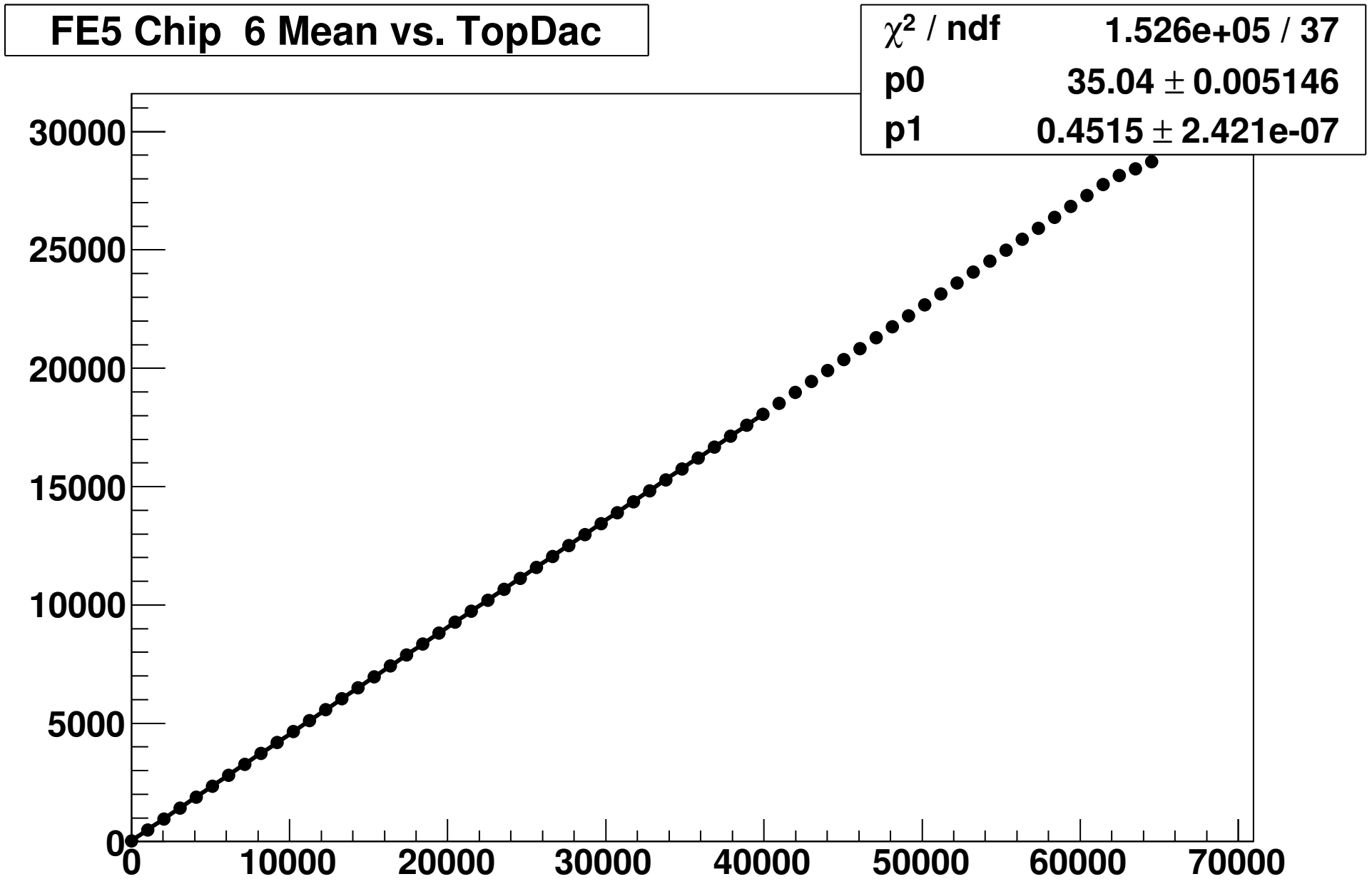
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.526e+05 / 37
p0 35.04 ± 0.005146
p1 0.4515 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
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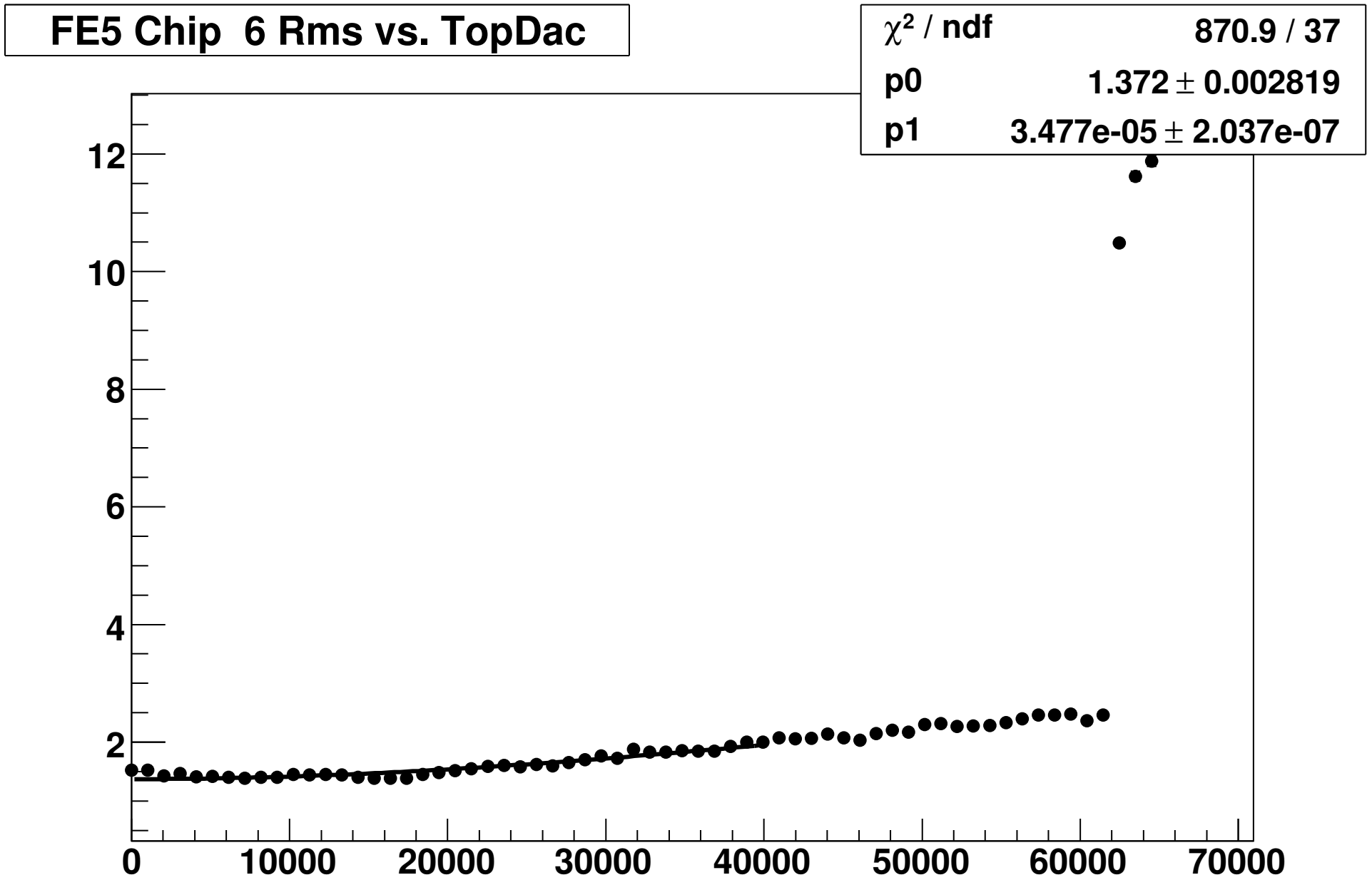
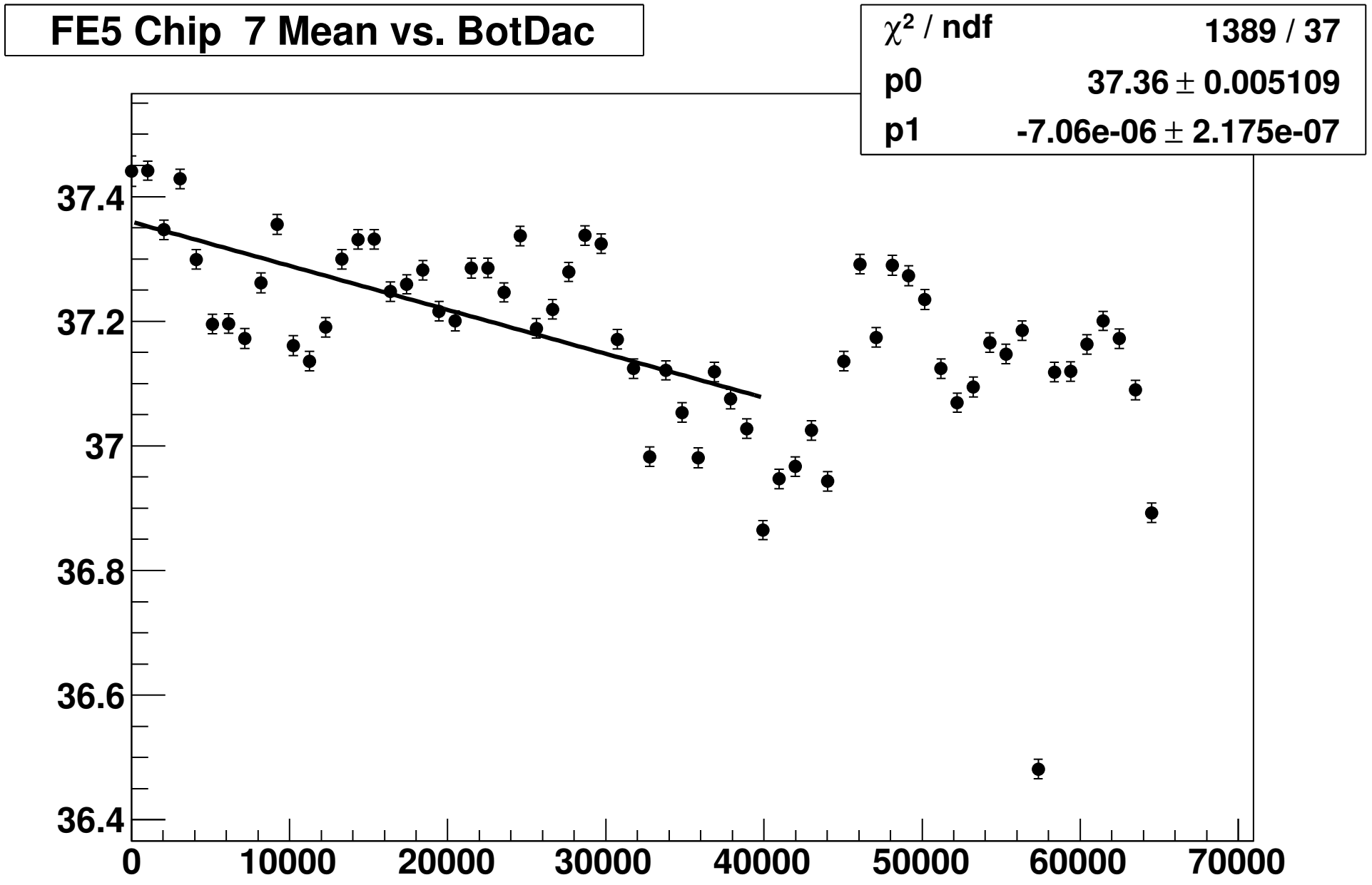
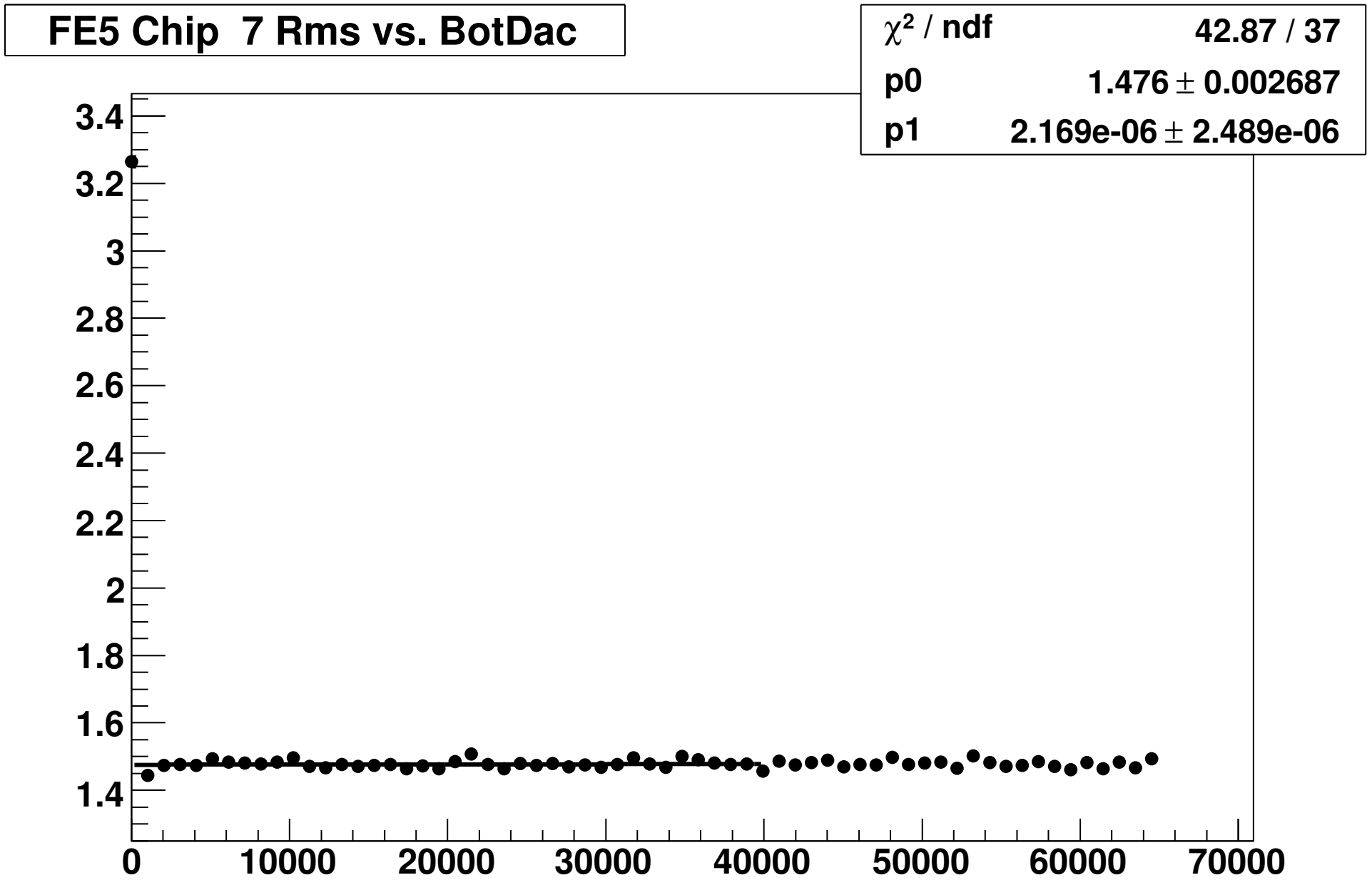

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 870.9 / 37
p0 1.372 ± 0.002819
p1 3.477e-05 ± 2.037e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 1389 / 37
p0 37.36 ± 0.005109
p1 -7.06e-06 ± 2.175e-07
37.4
37.2
37
36.8
36.6
36.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 42.87 / 37
p0 1.476 ± 0.002687
p1 2.169e-06 ± 2.489e-06
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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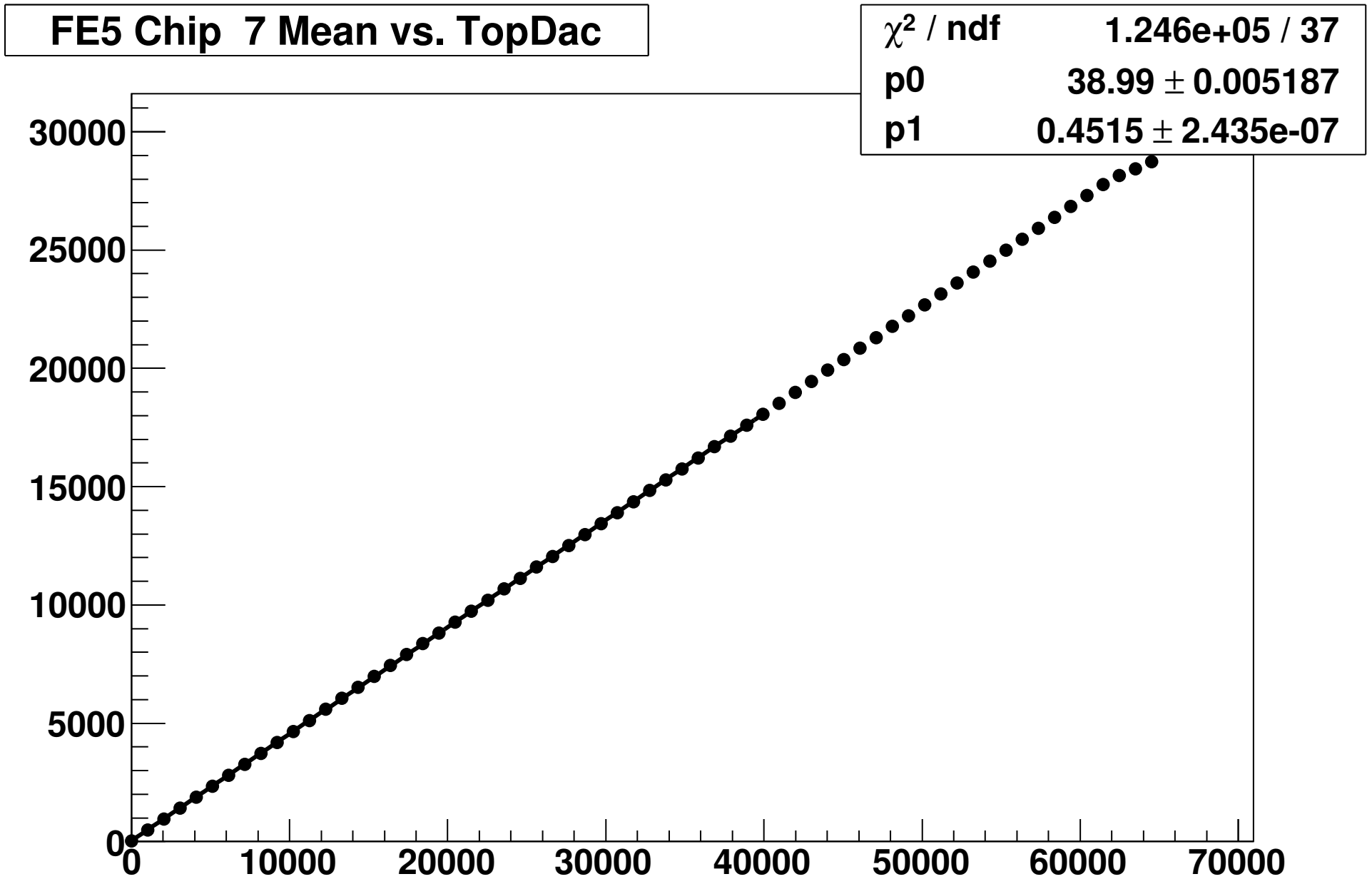
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.246e+05 / 37
p0 38.99 ± 0.005187
p1 0.4515 ± 2.435e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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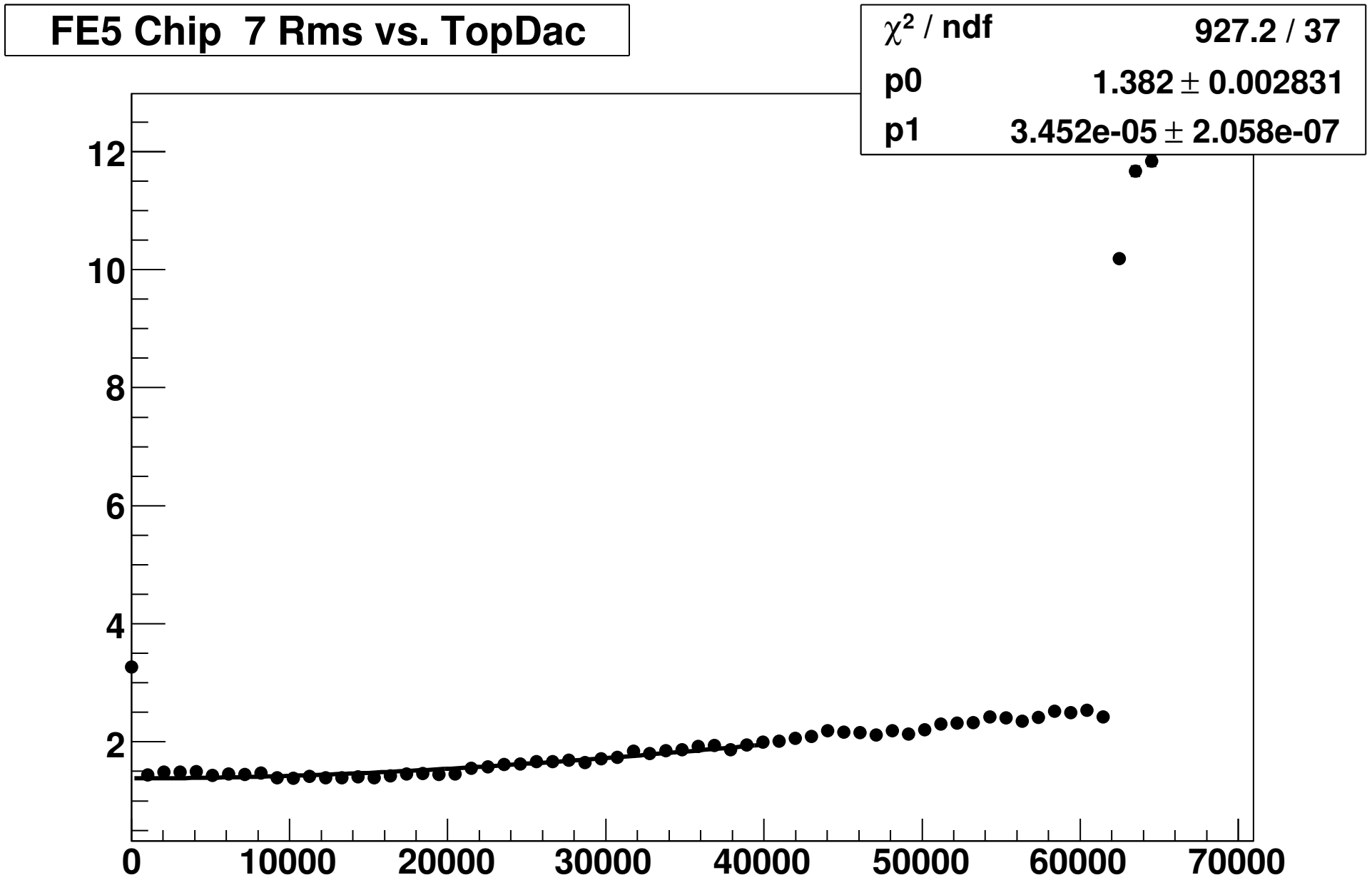
FE5 Chip 7 Rms vs. TopDac
χ² / ndf 927.2 / 37
p0 1.382 ± 0.002831
p1 3.452e-05 ± 2.058e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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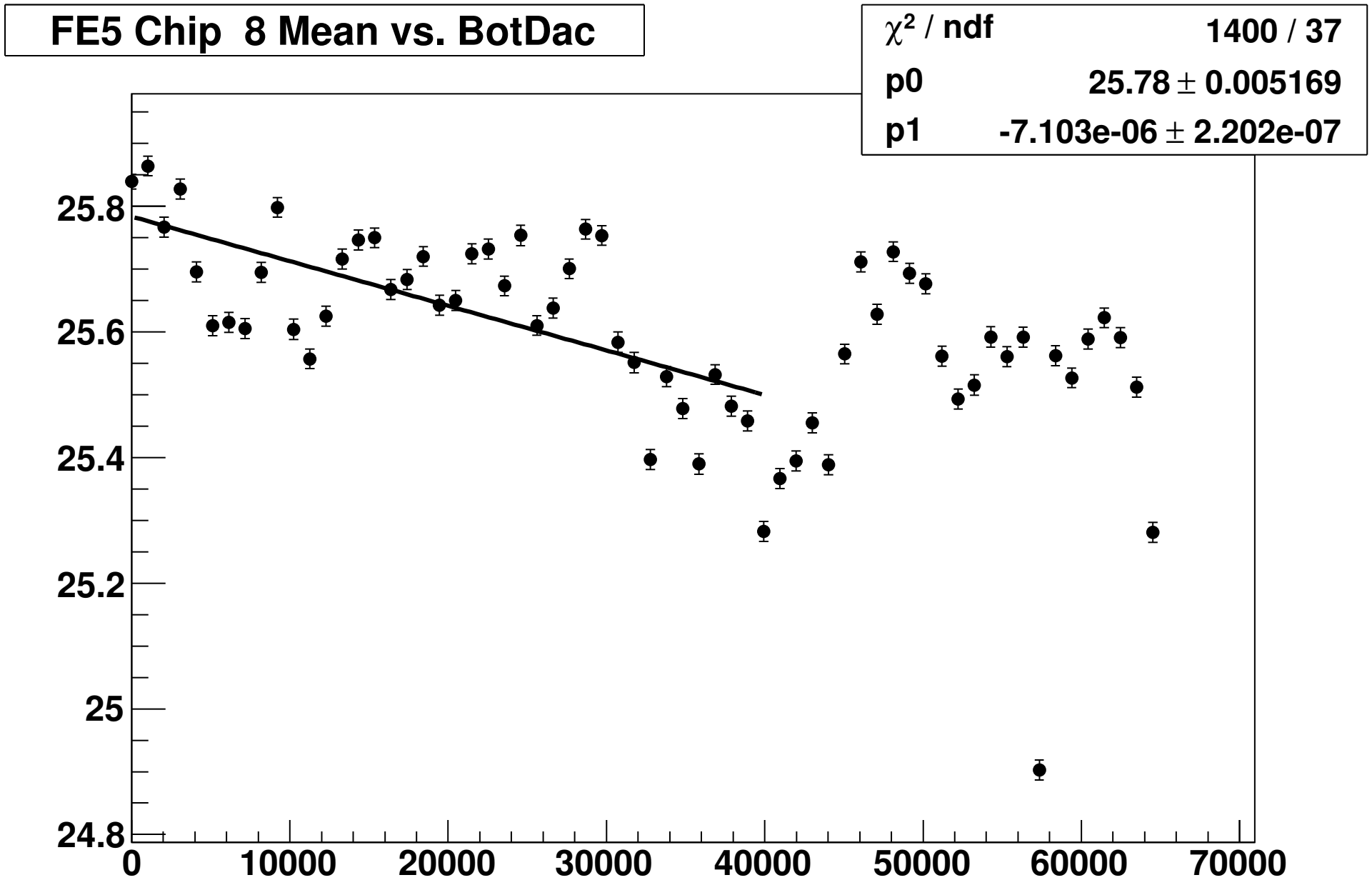
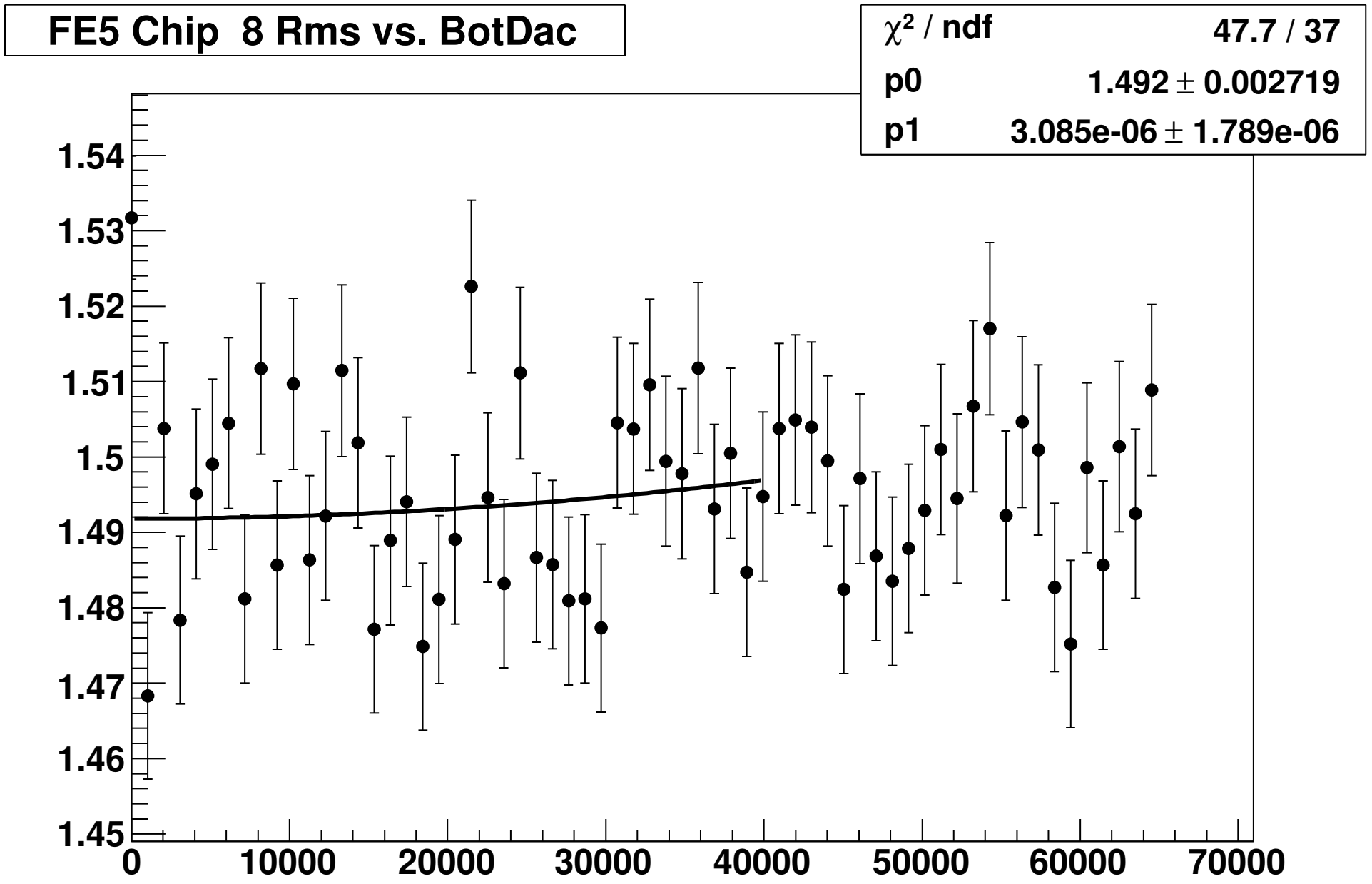

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 1400 / 37
p0 25.78 ± 0.005169
p1 -7.103e-06 ± 2.202e-07
25.8
25.6
25.4
25.2
25
24.8
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 47.7 / 37
p0 1.492 ± 0.002719
p1 3.085e-06 ± 1.789e-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
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50000
60000
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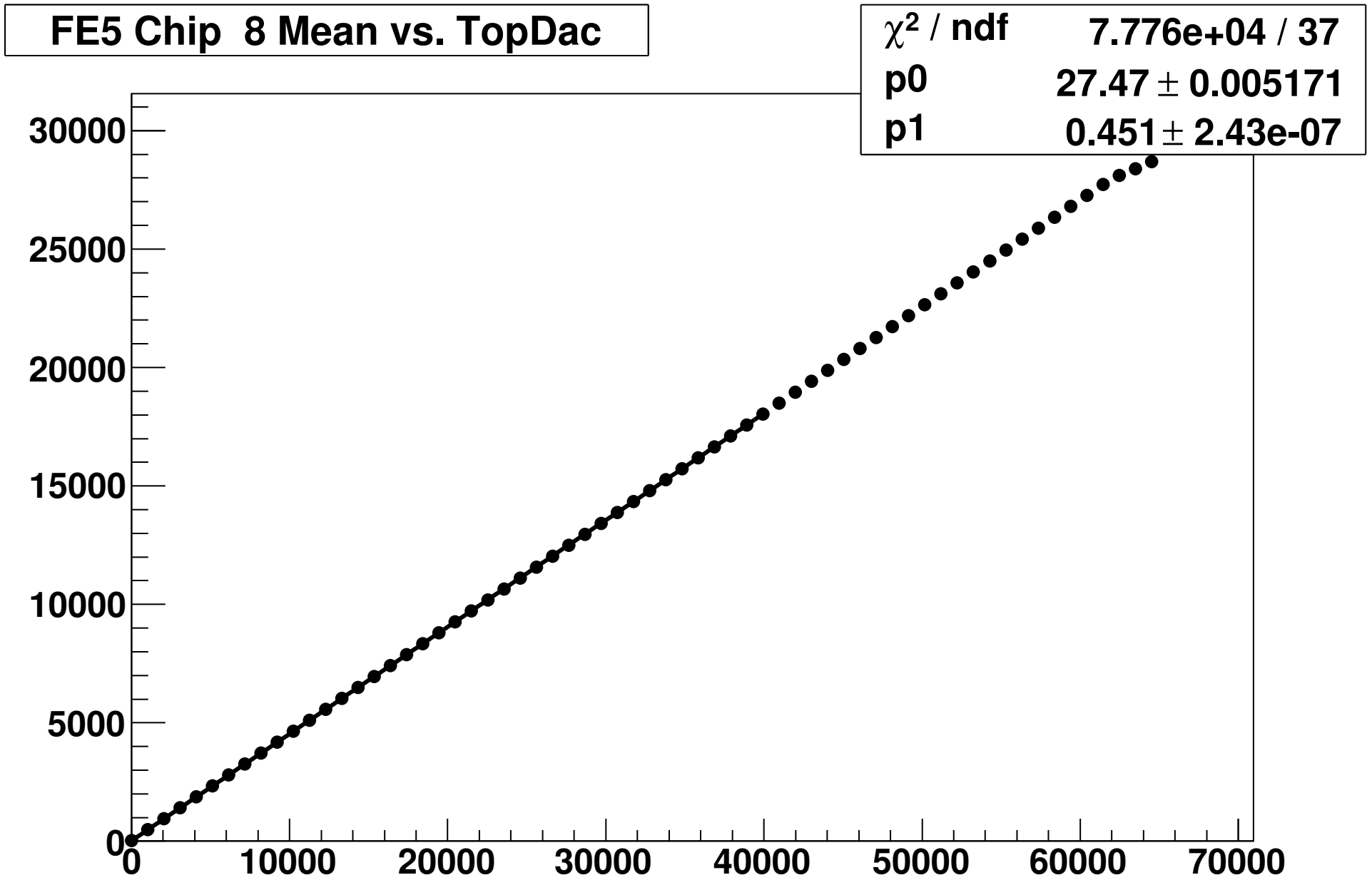
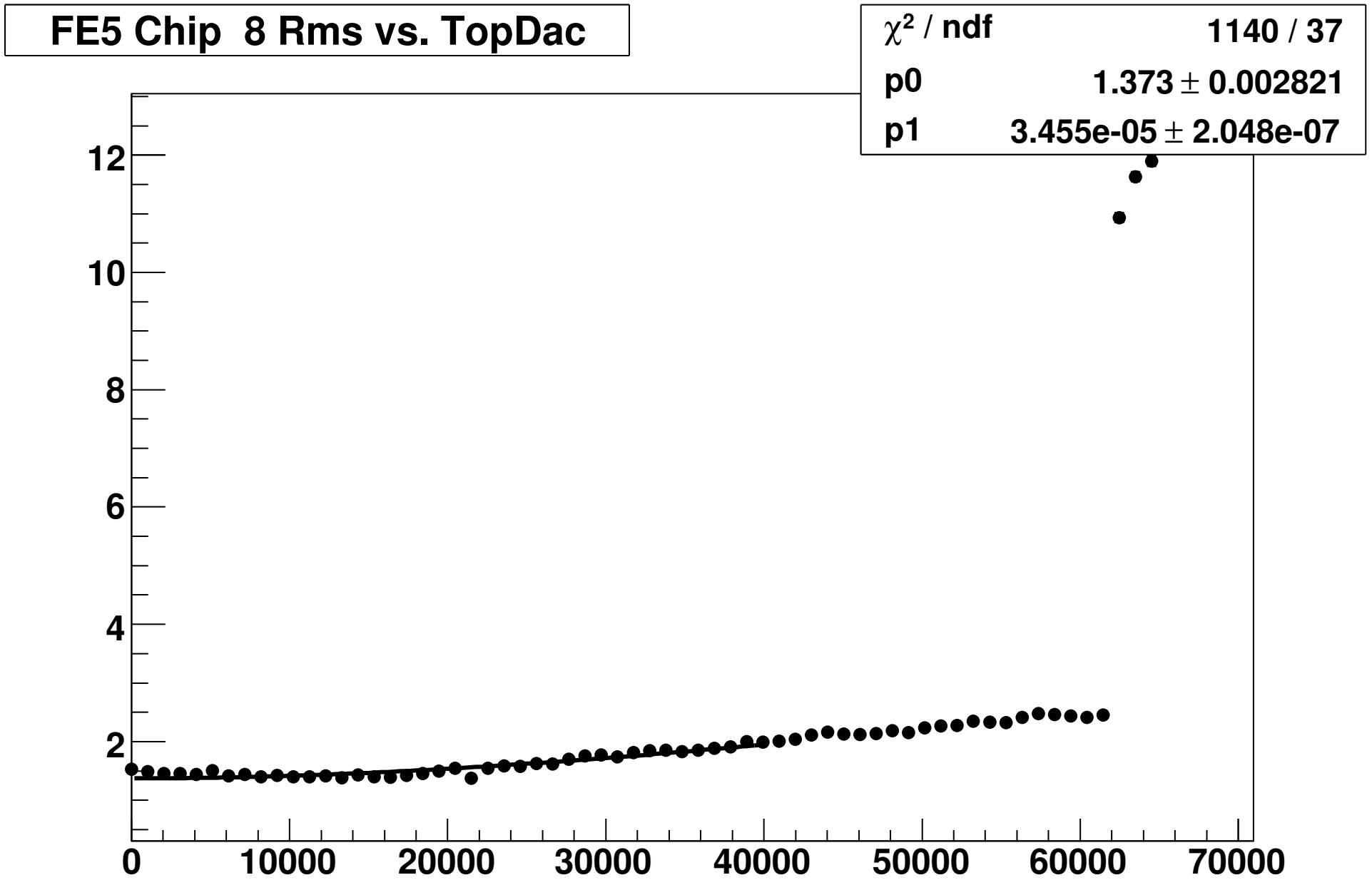
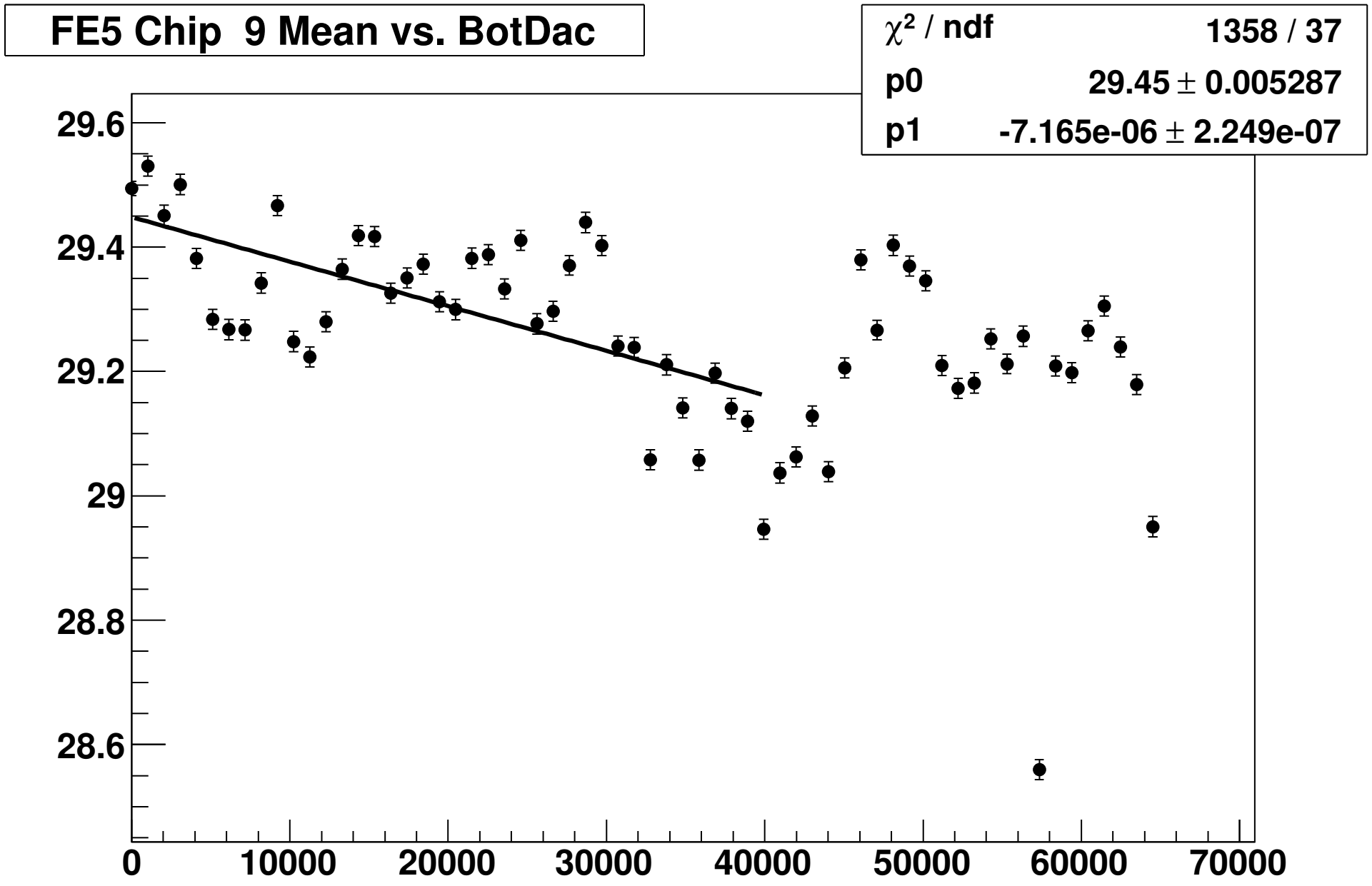
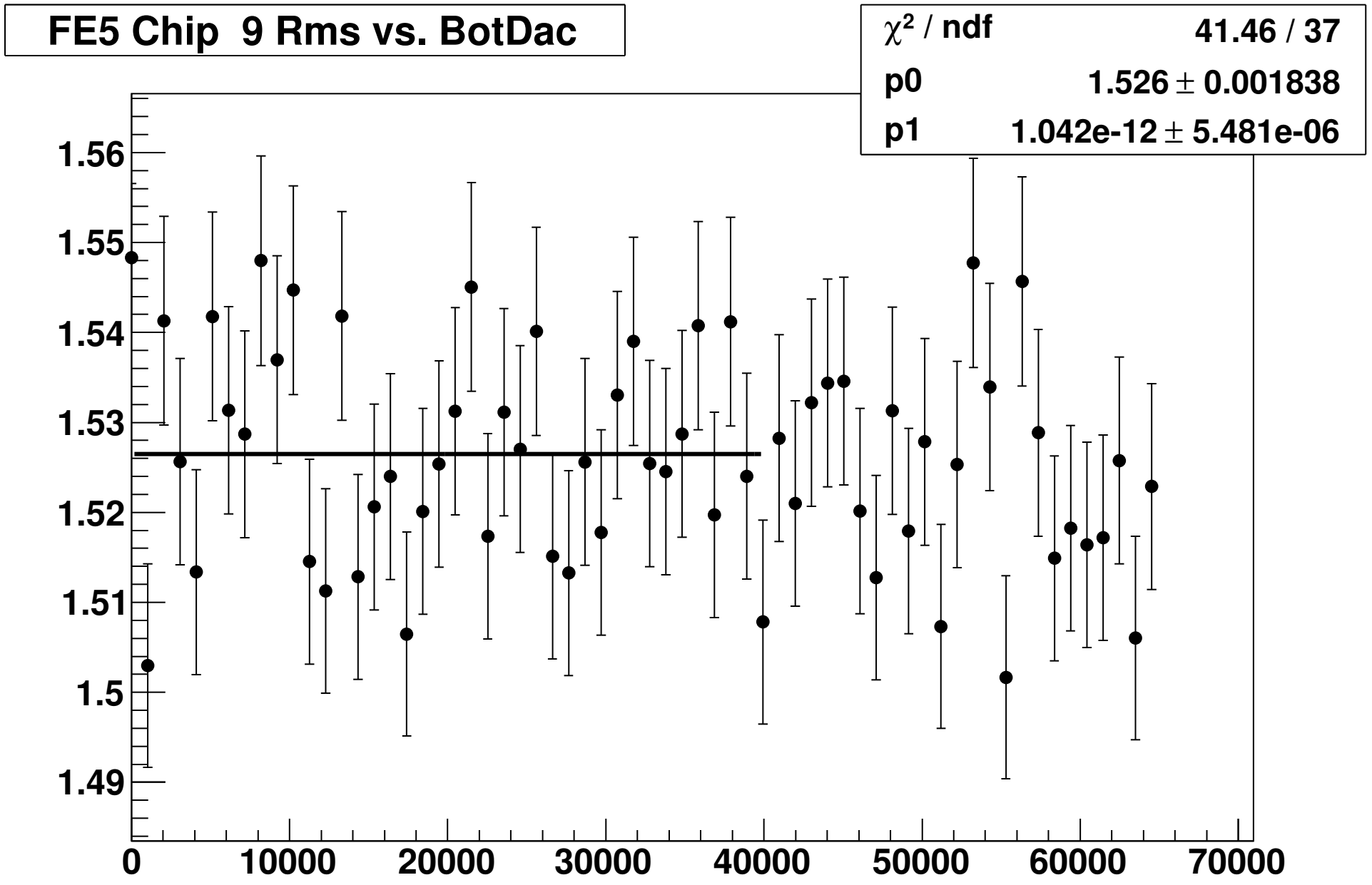
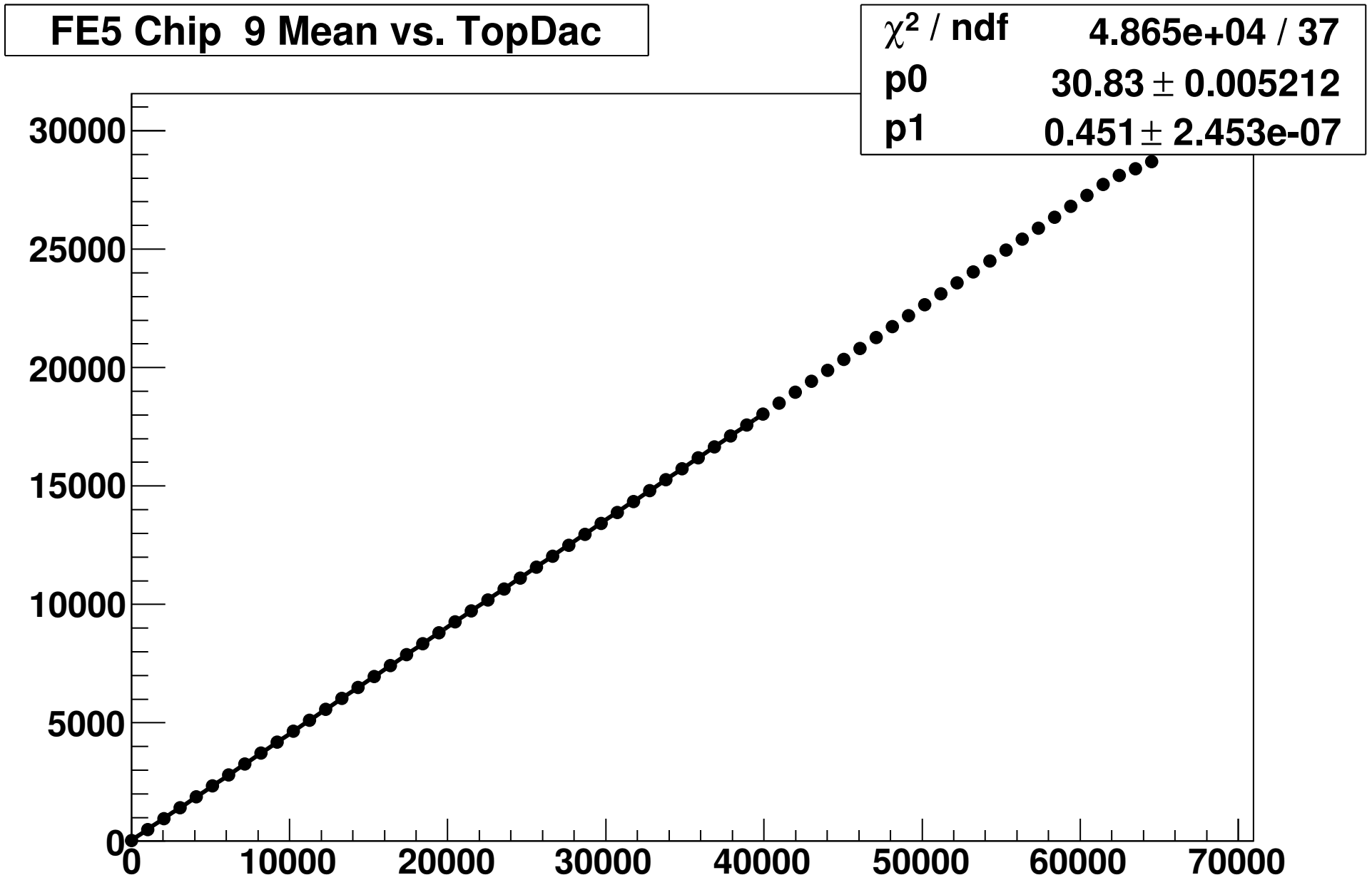
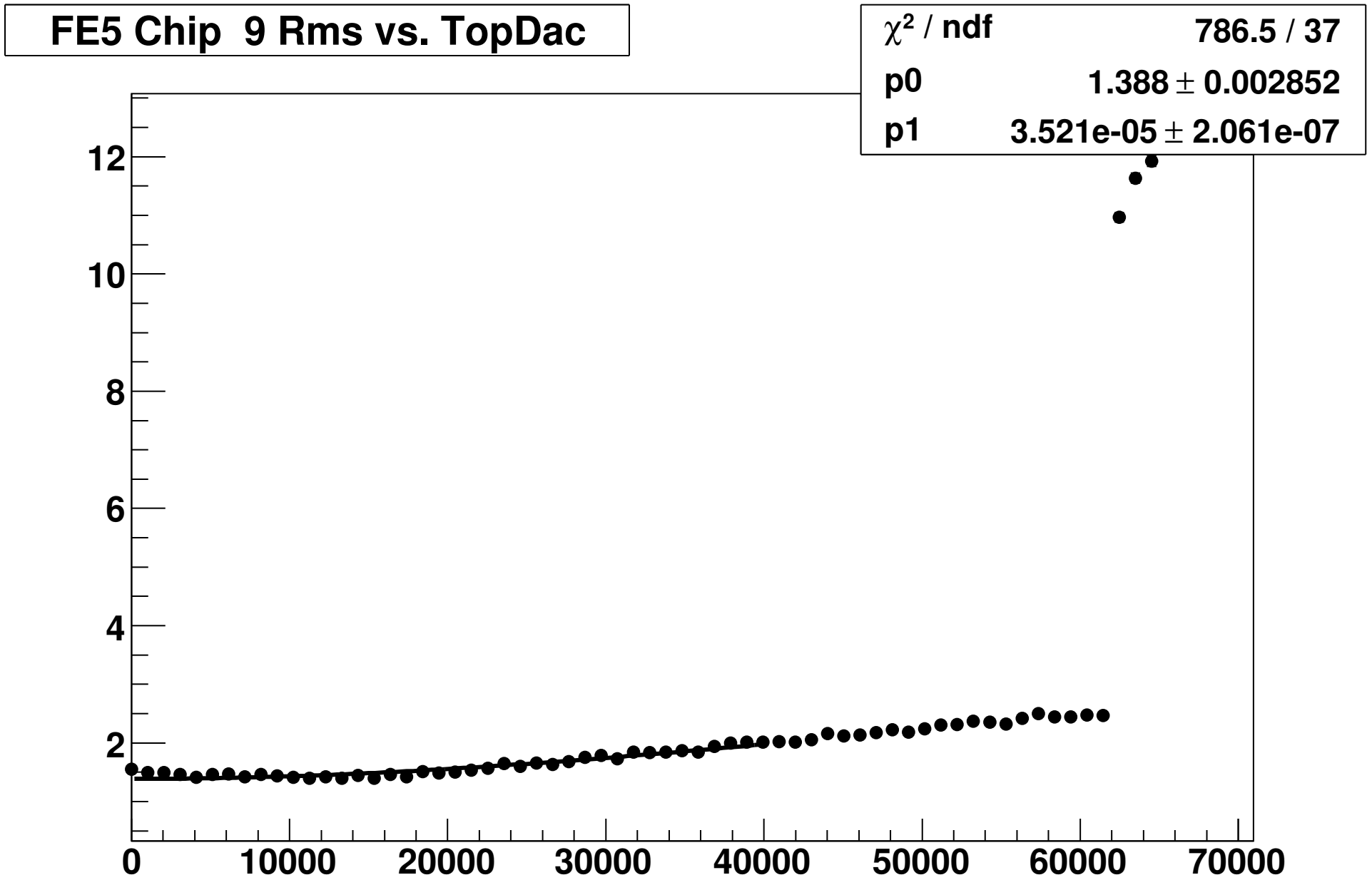

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 7.776e+04 / 37
p0 27.47 ± 0.005171
p1 0.451 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

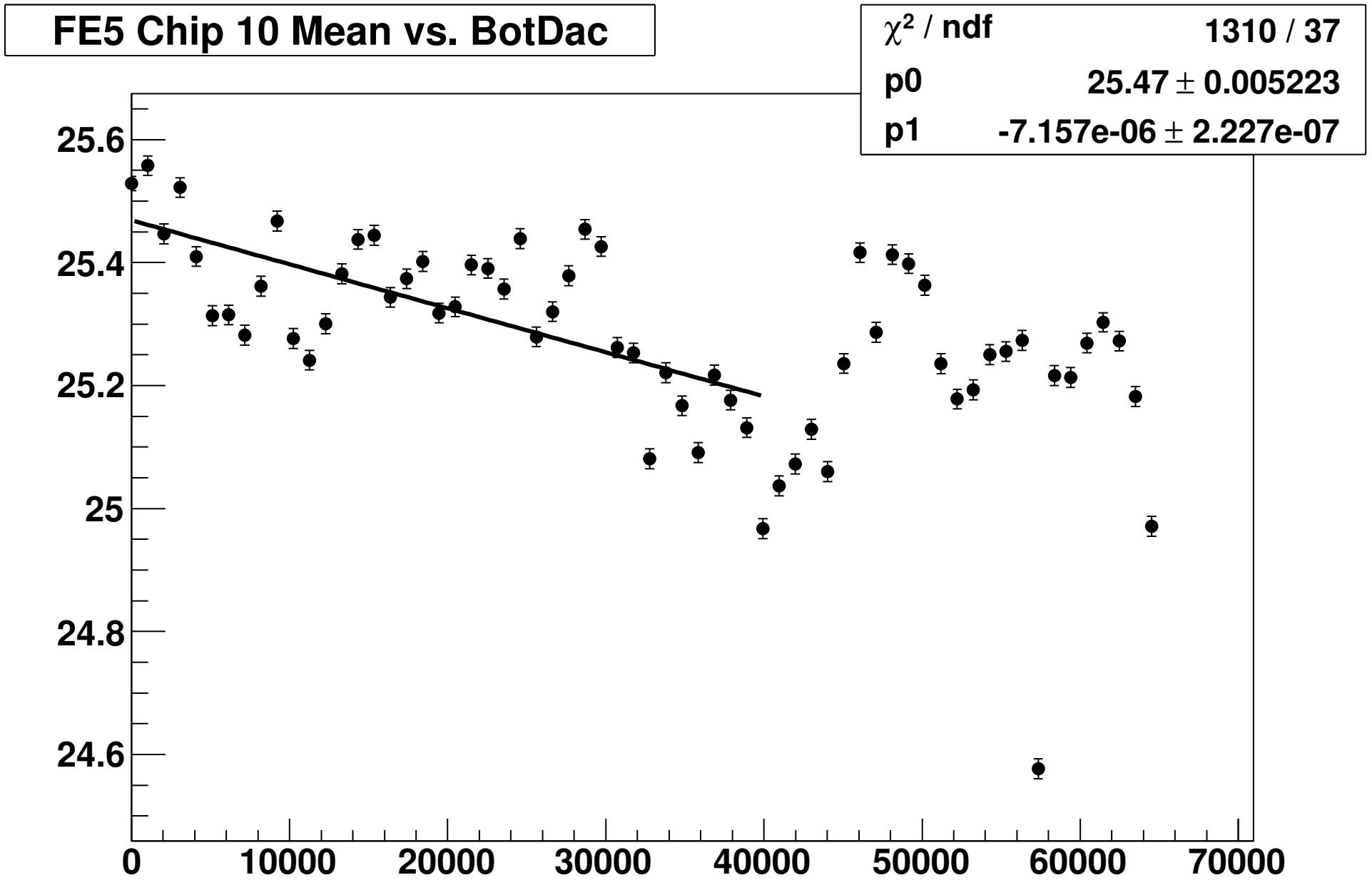

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1140 / 37
p0 1.373 ± 0.002821
p1 3.455e-05 ± 2.048e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

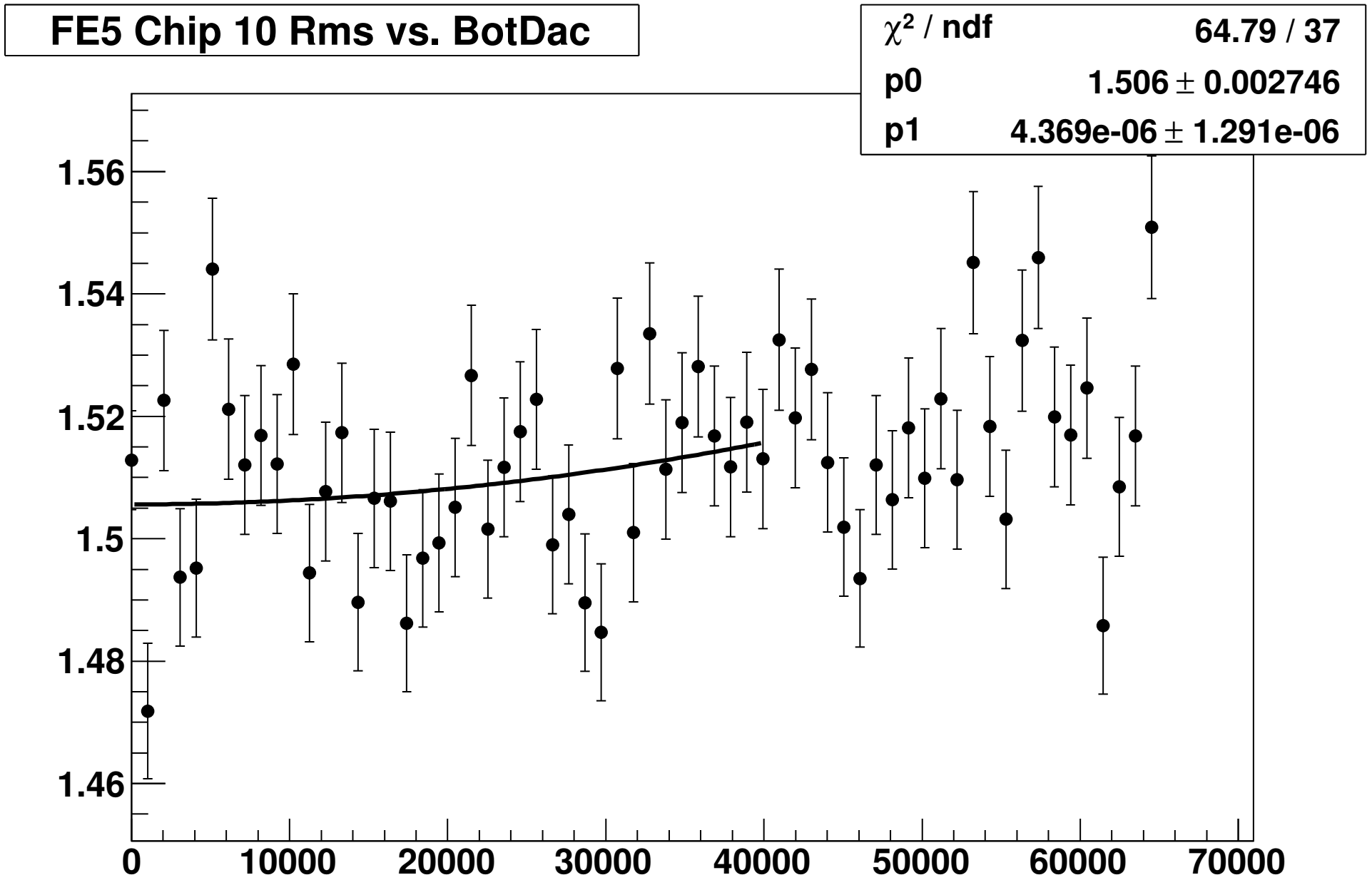

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 1358 / 37
p0 29.45 ± 0.005287
p1 -7.165e-06 ± 2.249e-07
29.6
29.4
29.2
29
28.8
28.6
0
10000
20000
30000
40000
50000
60000
70000

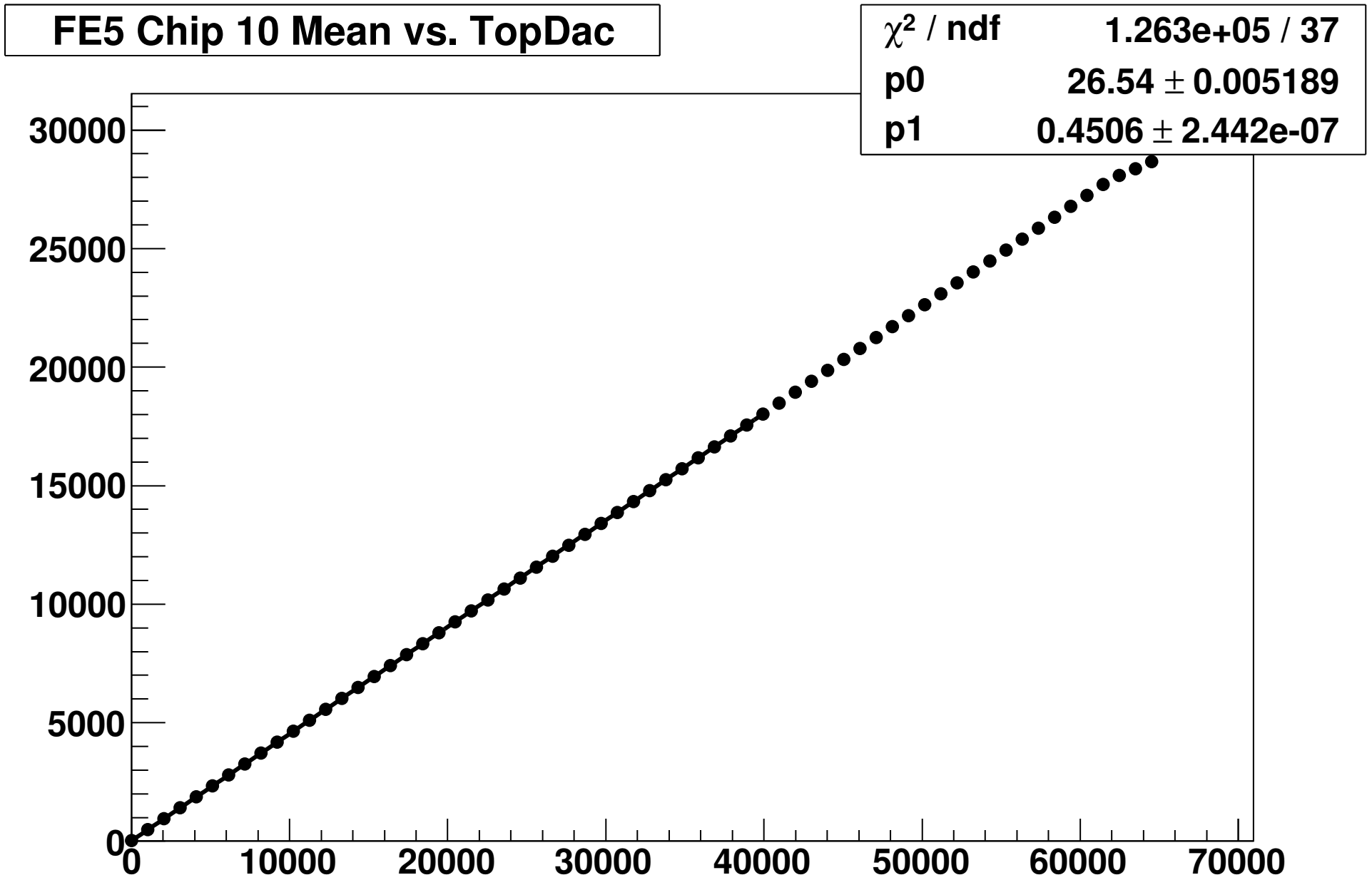

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 41.46 / 37
p0 1.526 ± 0.001838
p1 1.042e-12 ± 5.481e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 4.865e+04 / 37
p0 30.83 ± 0.005212
p1 0.451 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 786.5 / 37
p0 1.388 ± 0.002852
p1 3.521e-05 ± 2.061e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 1310 / 37
p0 25.47 ± 0.005223
p1 -7.157e-06 ± 2.227e-07
25.6
25.4
25.2
25
24.8
24.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 64.79 / 37
p0 1.506 ± 0.002746
p1 4.369e-06 ± 1.291e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.263e+05 / 37
p0 26.54 ± 0.005189
p1 0.4506 ± 2.442e-07
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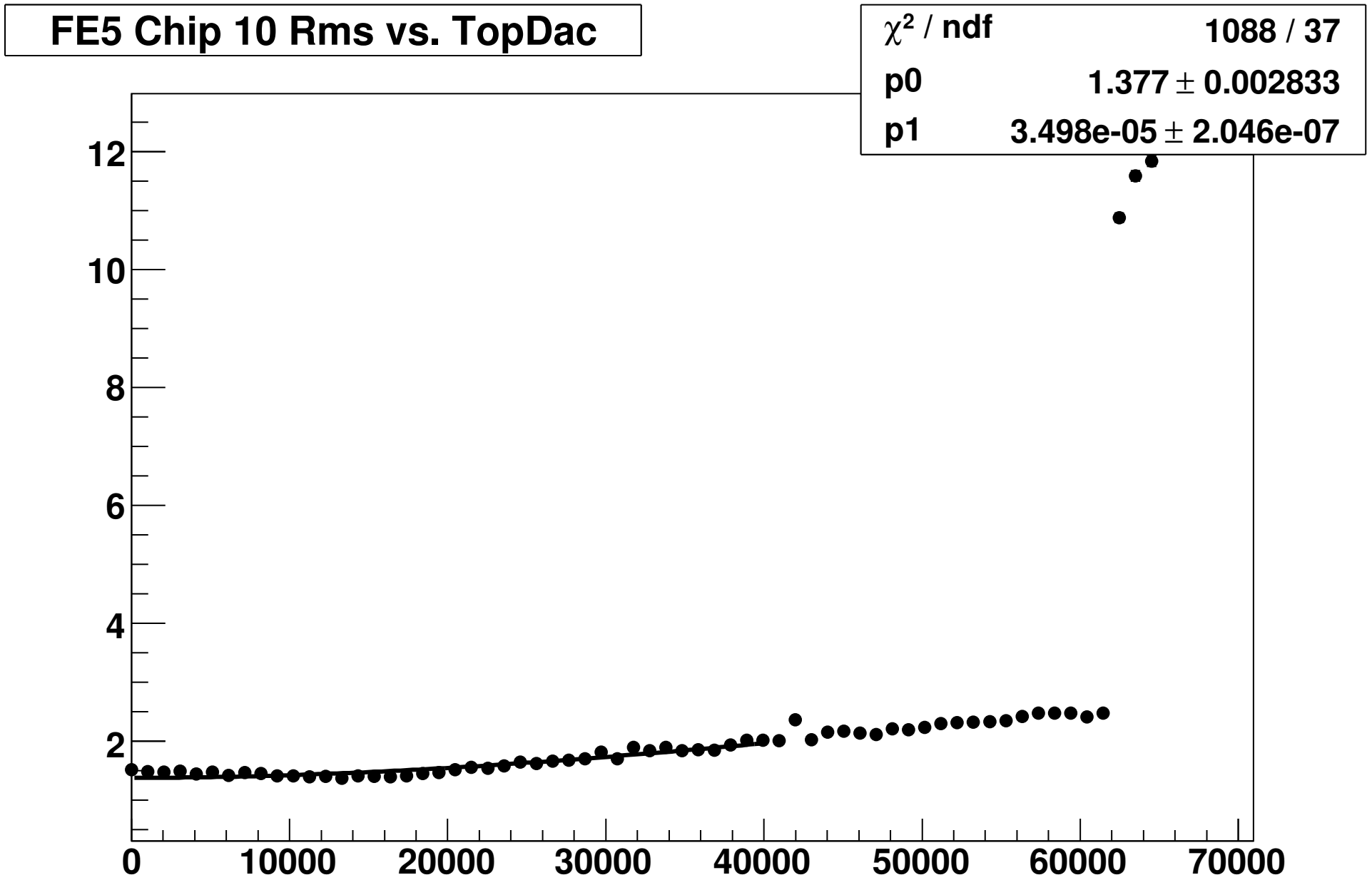
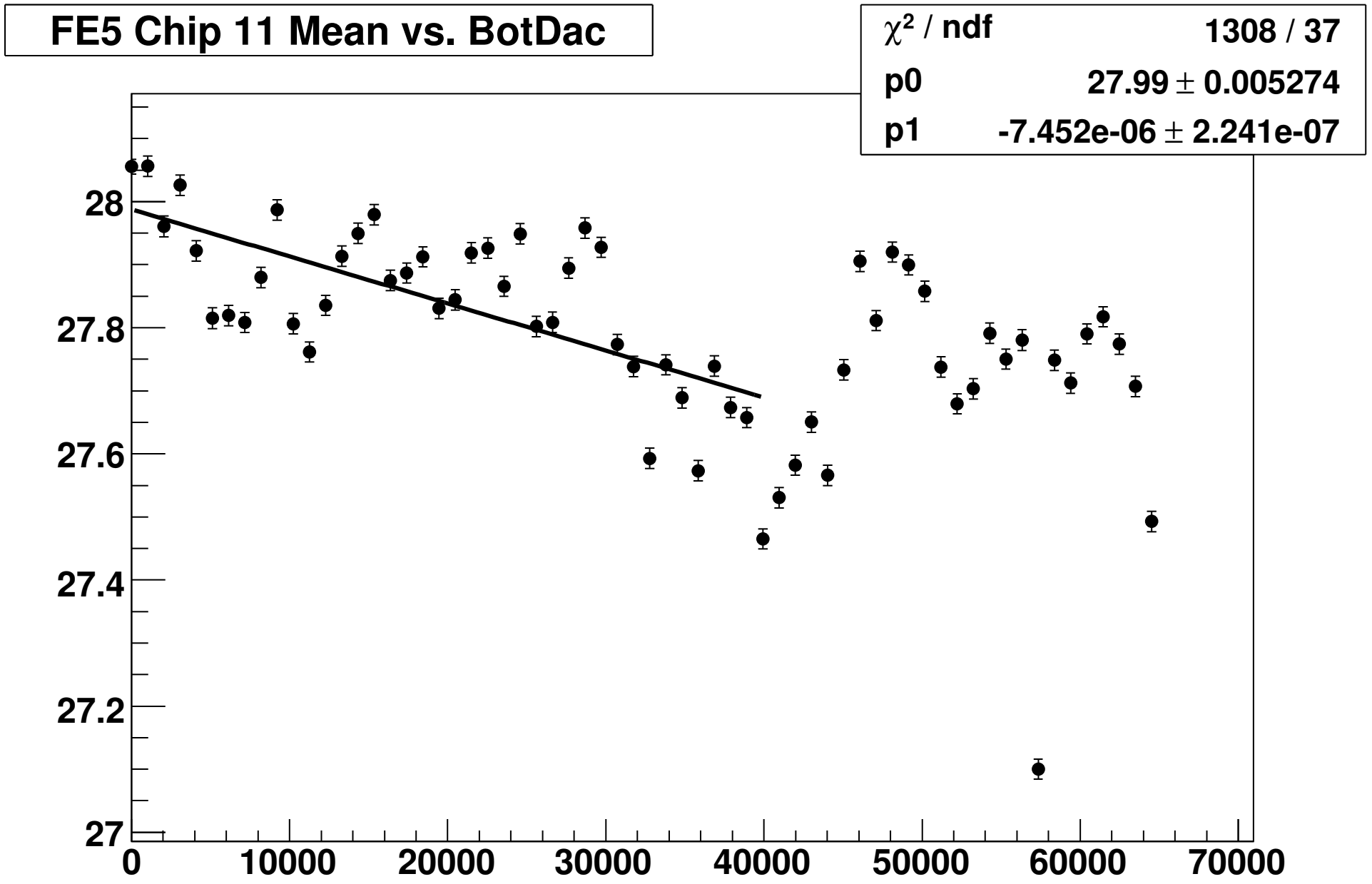
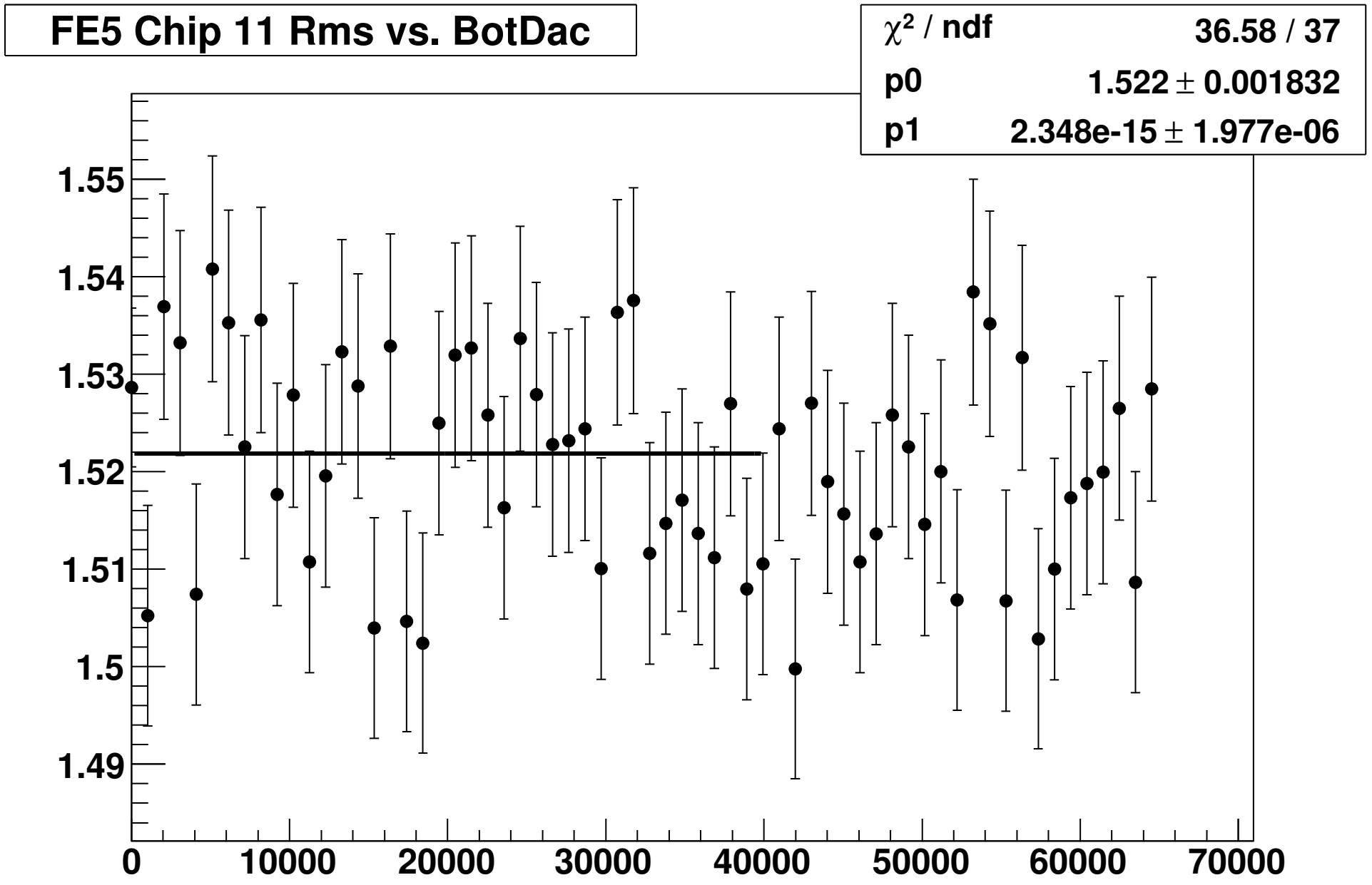
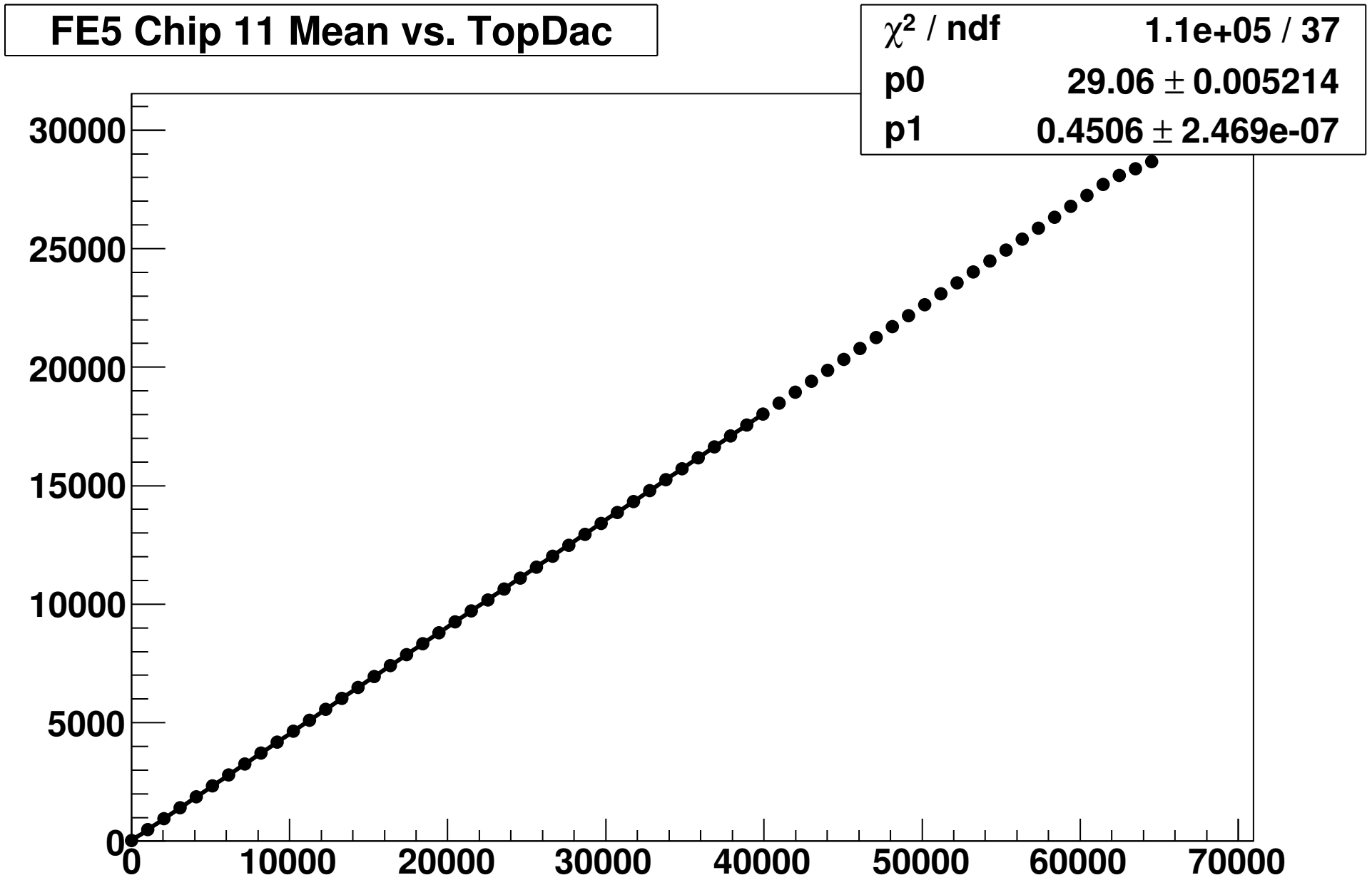
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1088 / 37
p0 1.377 ± 0.002833
p1 3.498e-05 ± 2.046e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 1308 / 37
p0 27.99 ± 0.005274
p1 -7.452e-06 ± 2.241e-07
28
27.8
27.6
27.4
27.2
27
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 36.58 / 37
p0 1.522 ± 0.001832
p1 2.348e-15 ± 1.977e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.1e+05 / 37
p0 29.06 ± 0.005214
p1 0.4506 ± 2.469e-07
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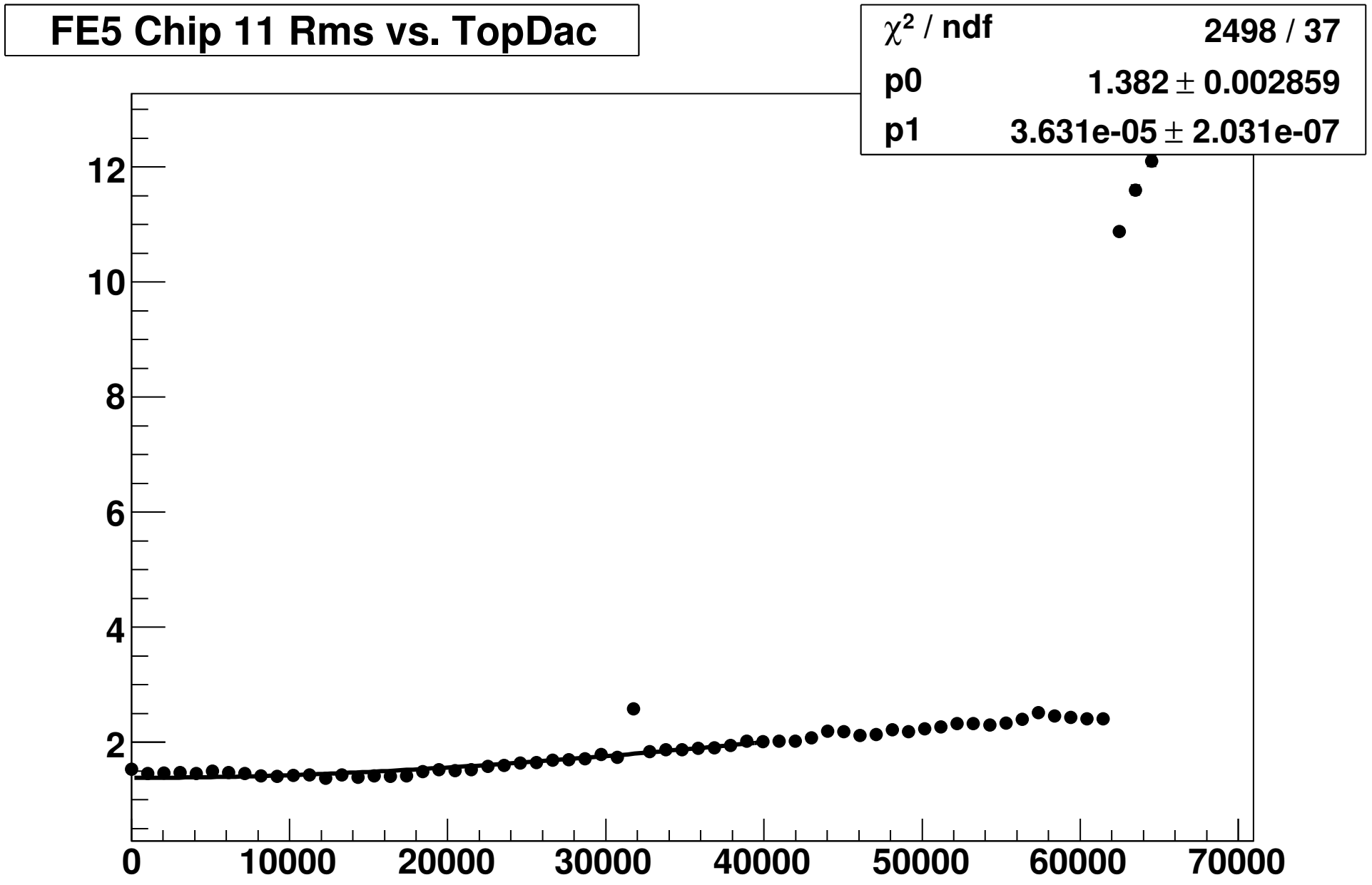
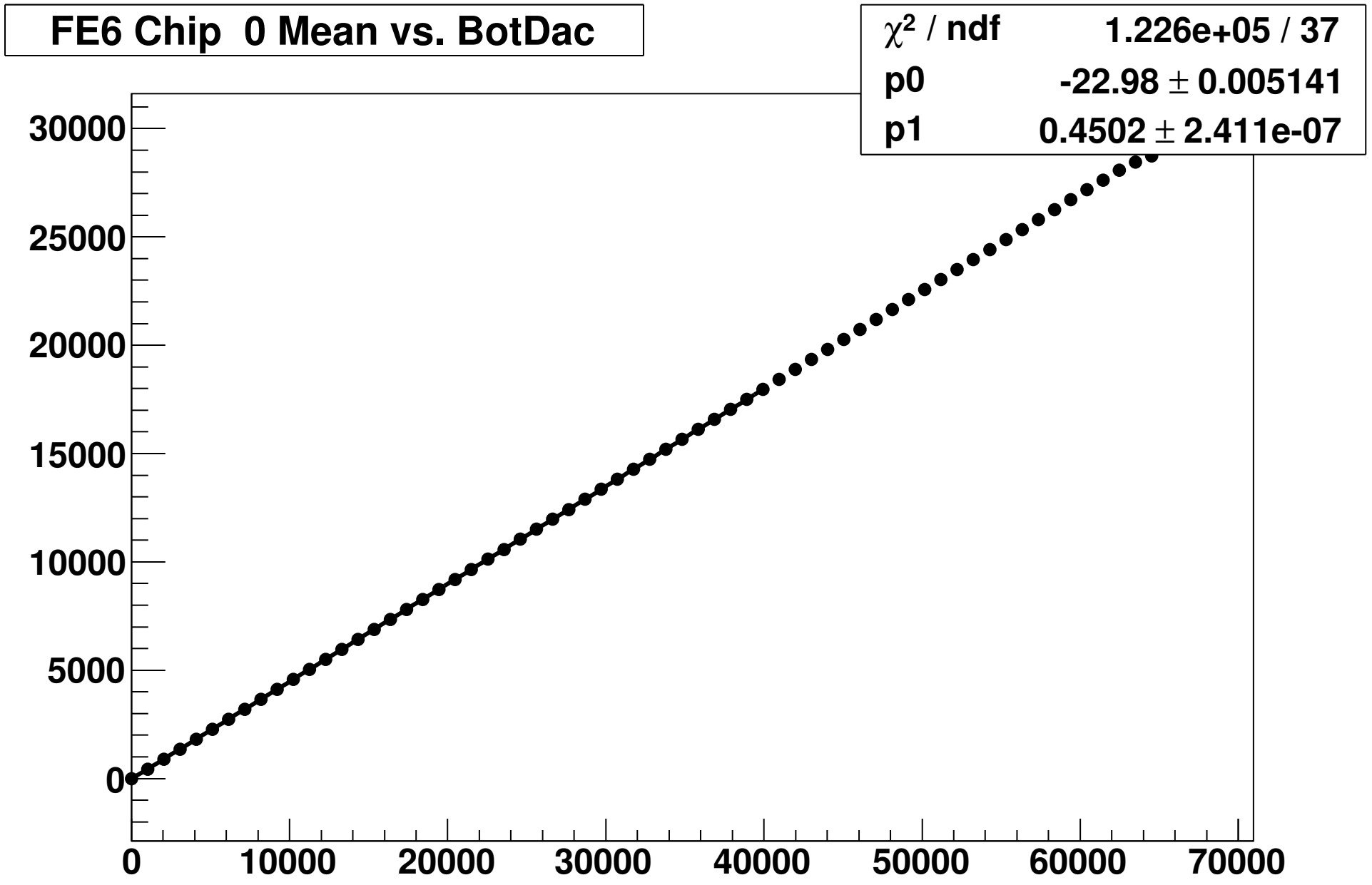
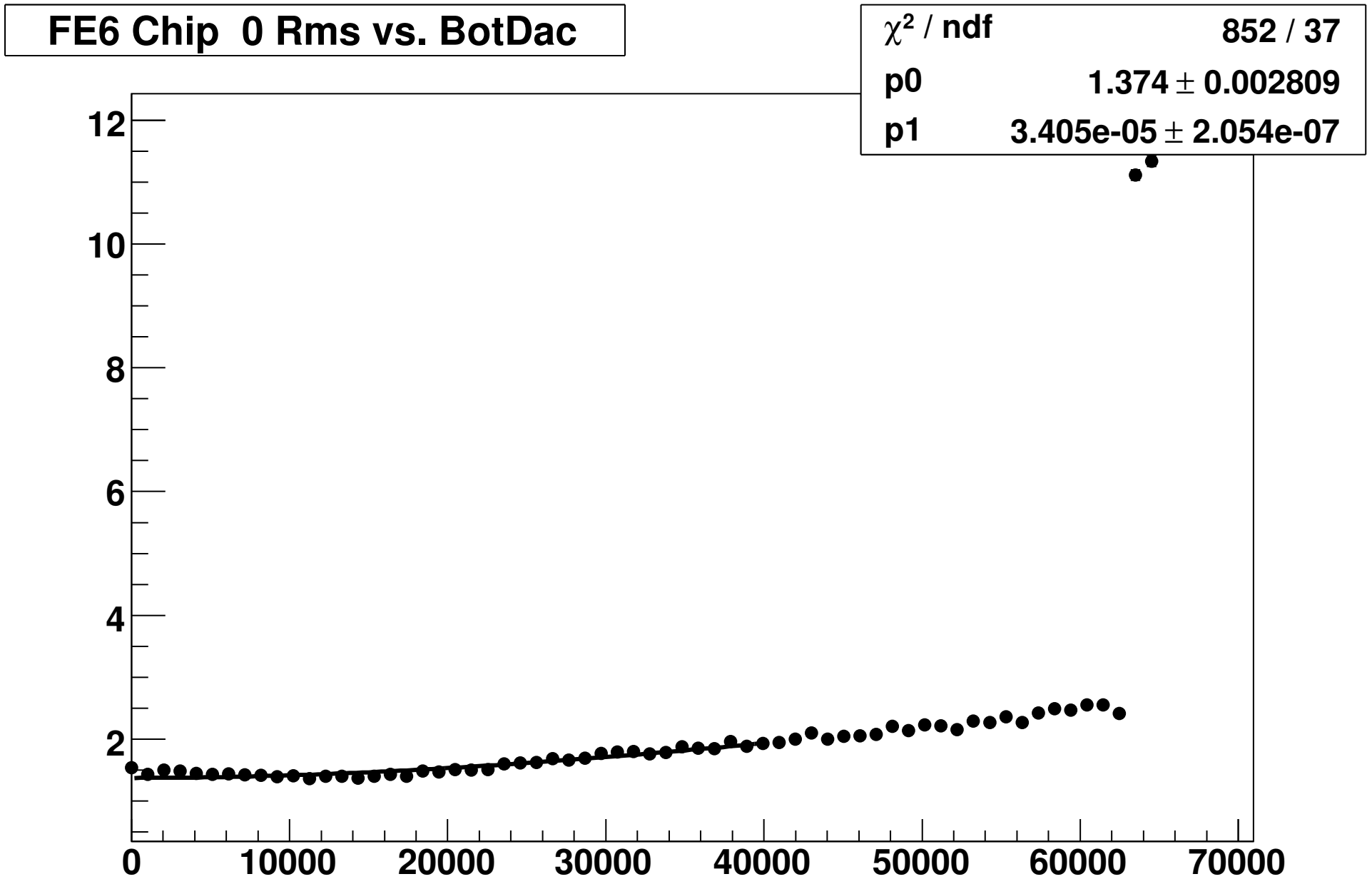
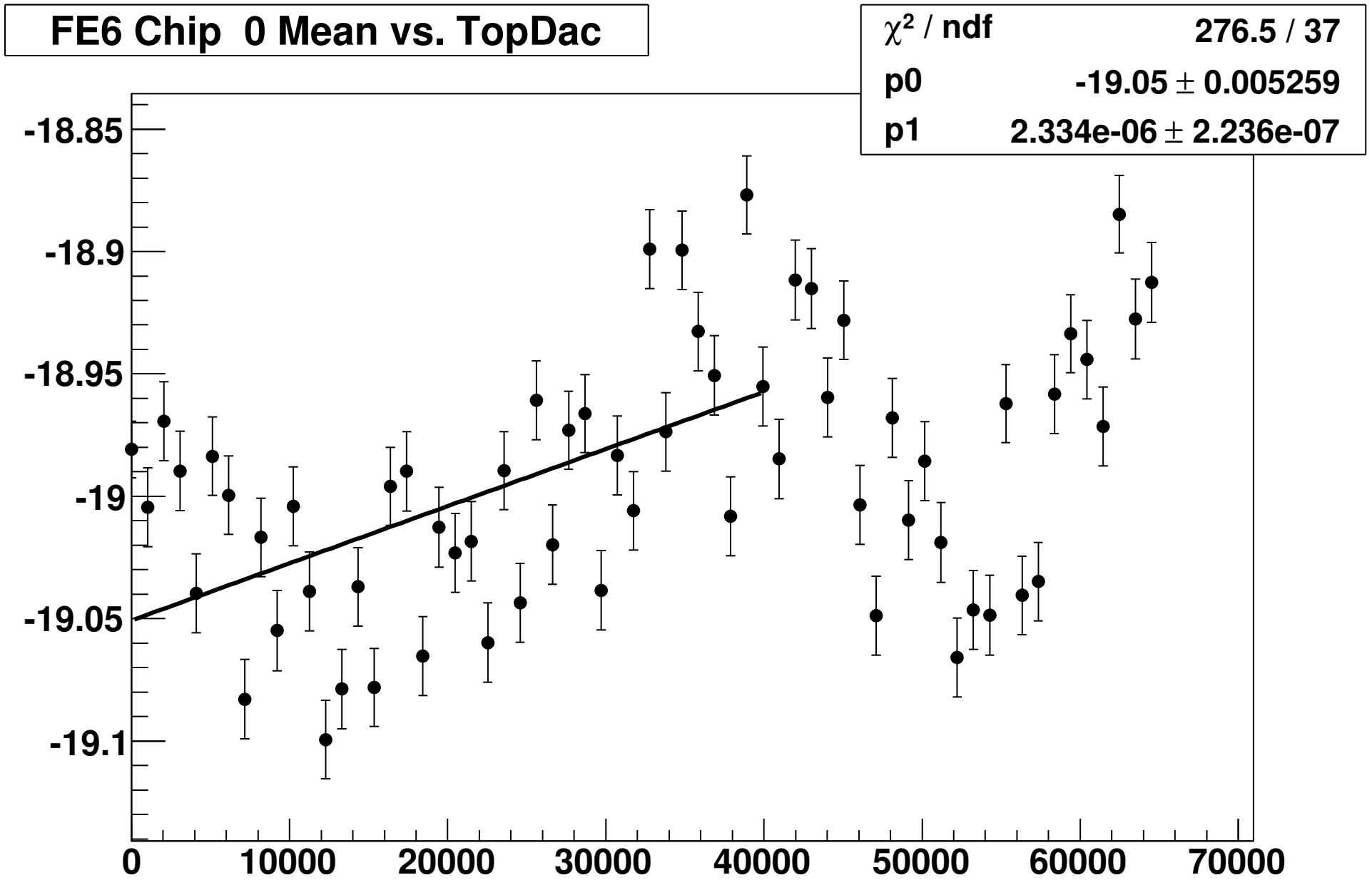
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 2498 / 37
p0 1.382 ± 0.002859
p1 3.631e-05 ± 2.031e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.226e+05 / 37
p0 -22.98 ± 0.005141
p1 0.4502 ± 2.411e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 852 / 37
p0 1.374 ± 0.002809
p1 3.405e-05 ± 2.054e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 276.5 / 37
p0 -19.05 ± 0.005259
p1 2.334e-06 ± 2.236e-07
-18.85
-18.9
-18.95
-19
-19.05
-19.1
0
10000
20000
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50000
60000
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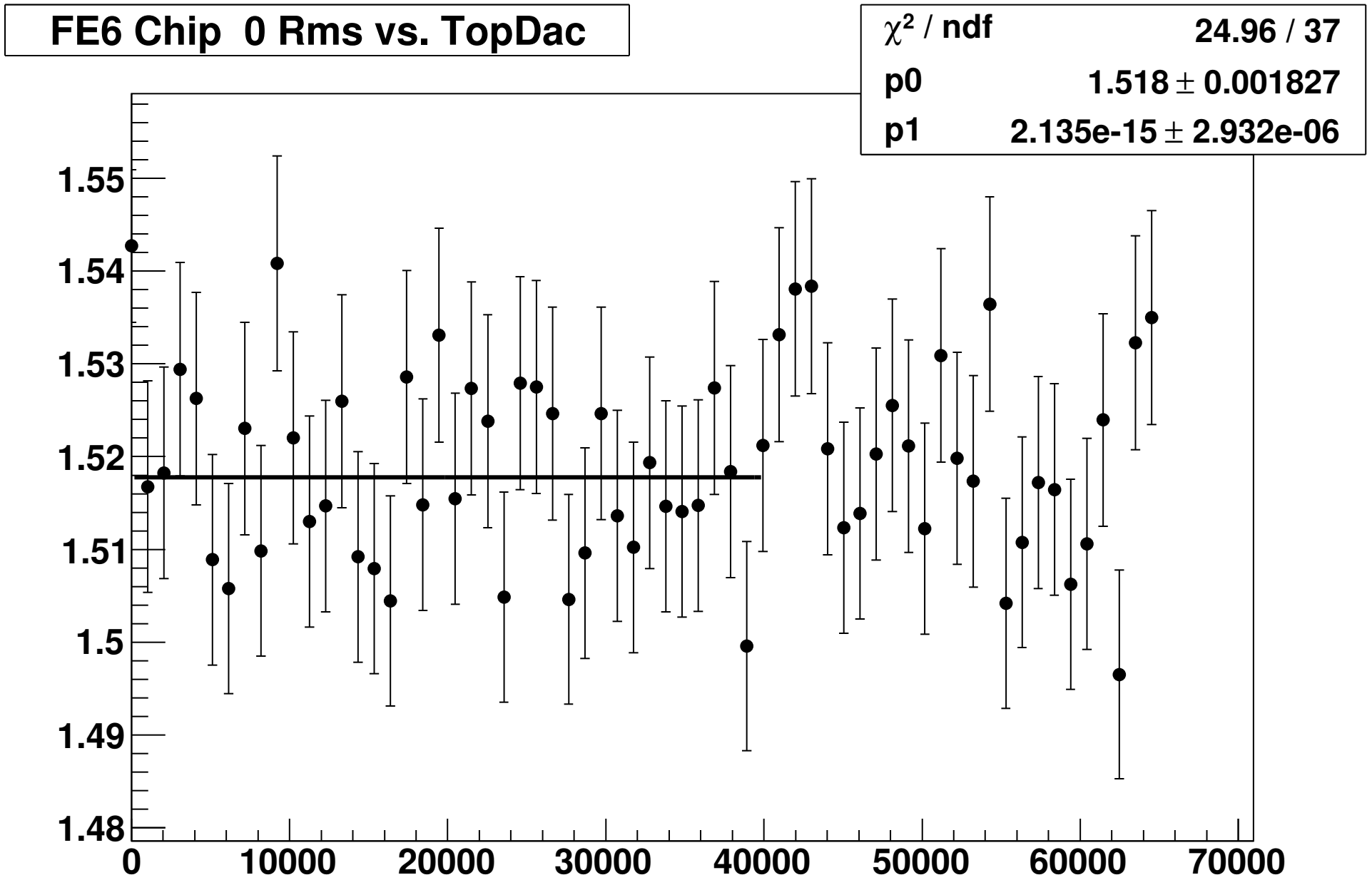
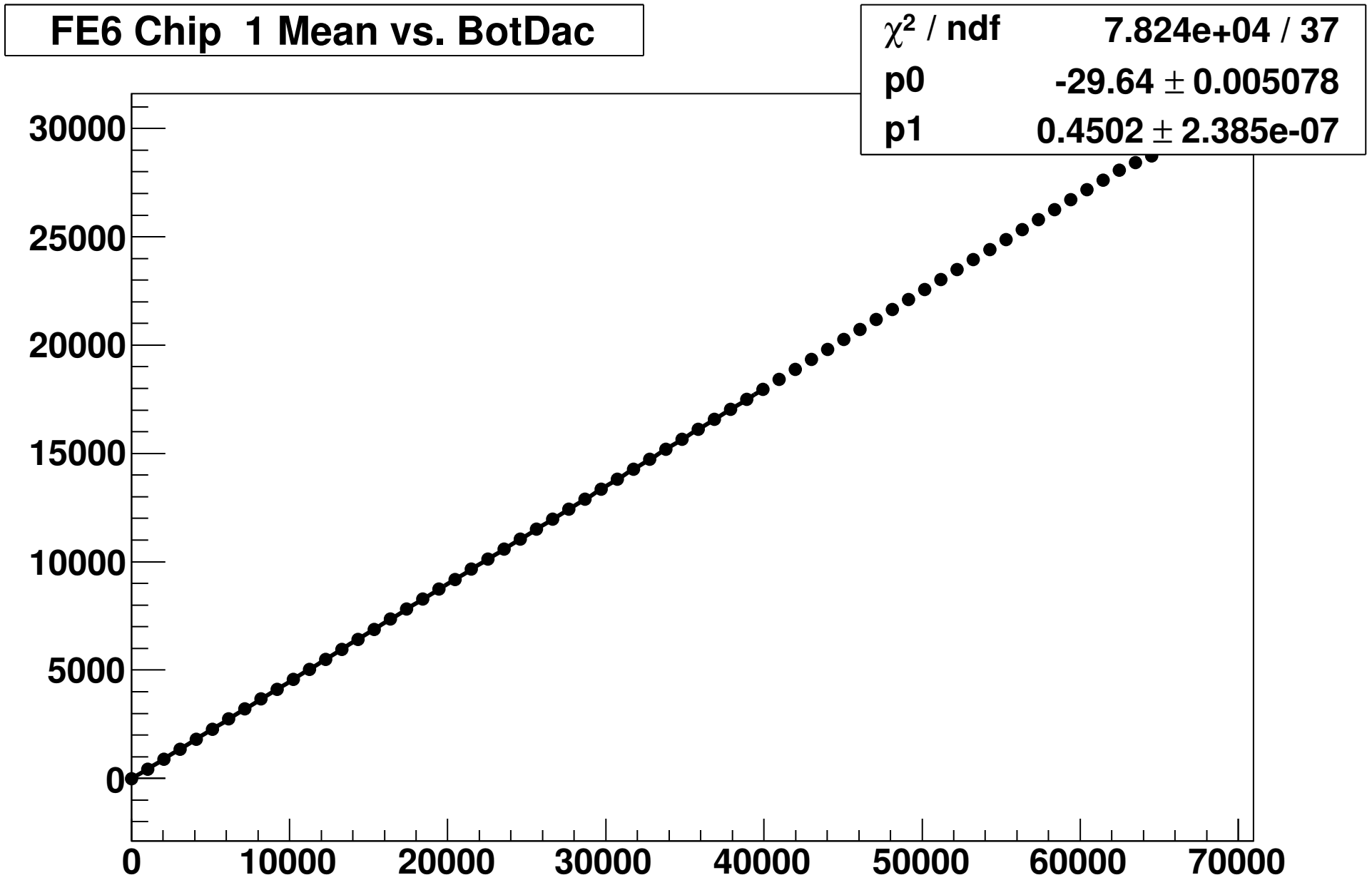
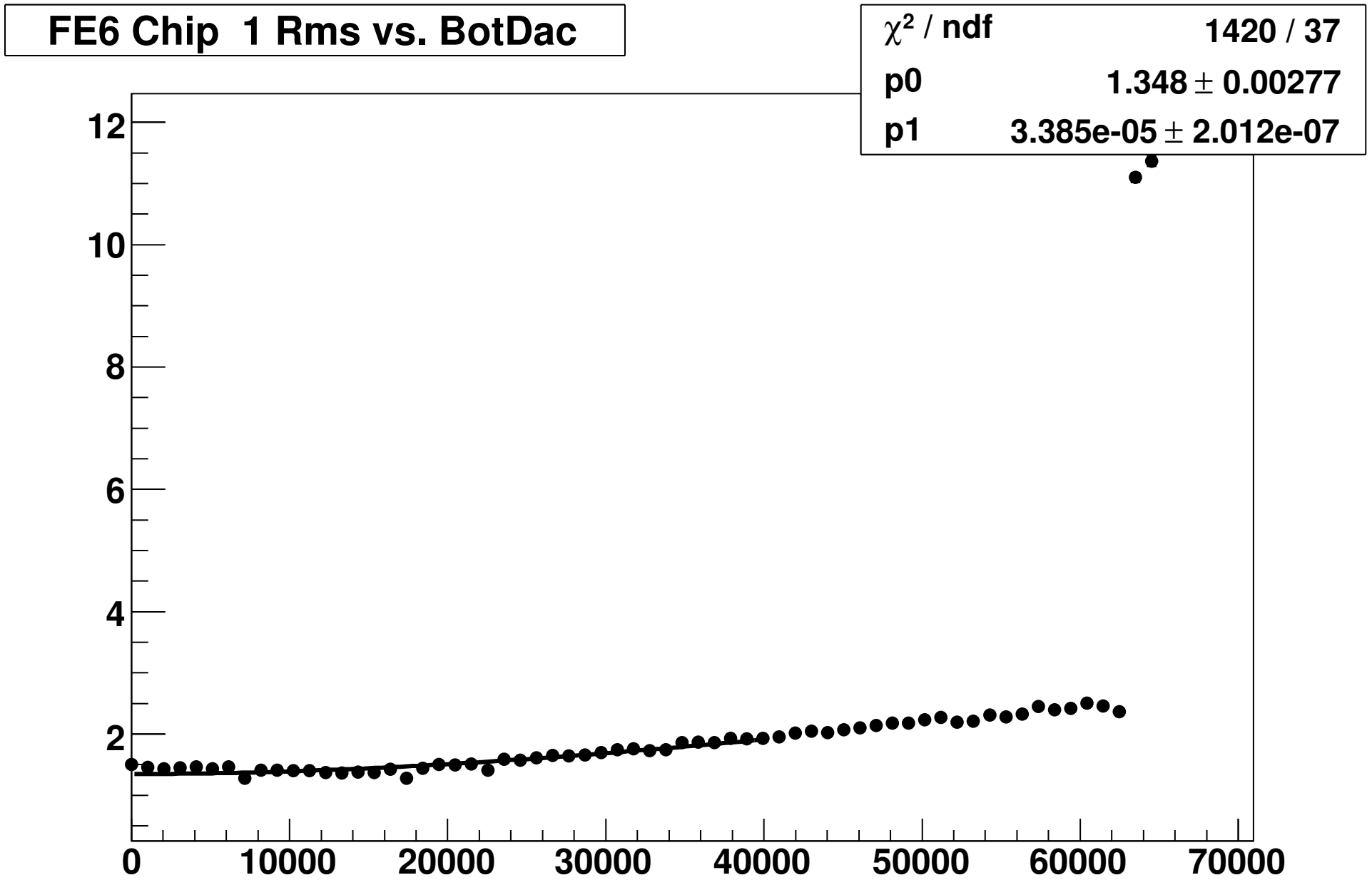
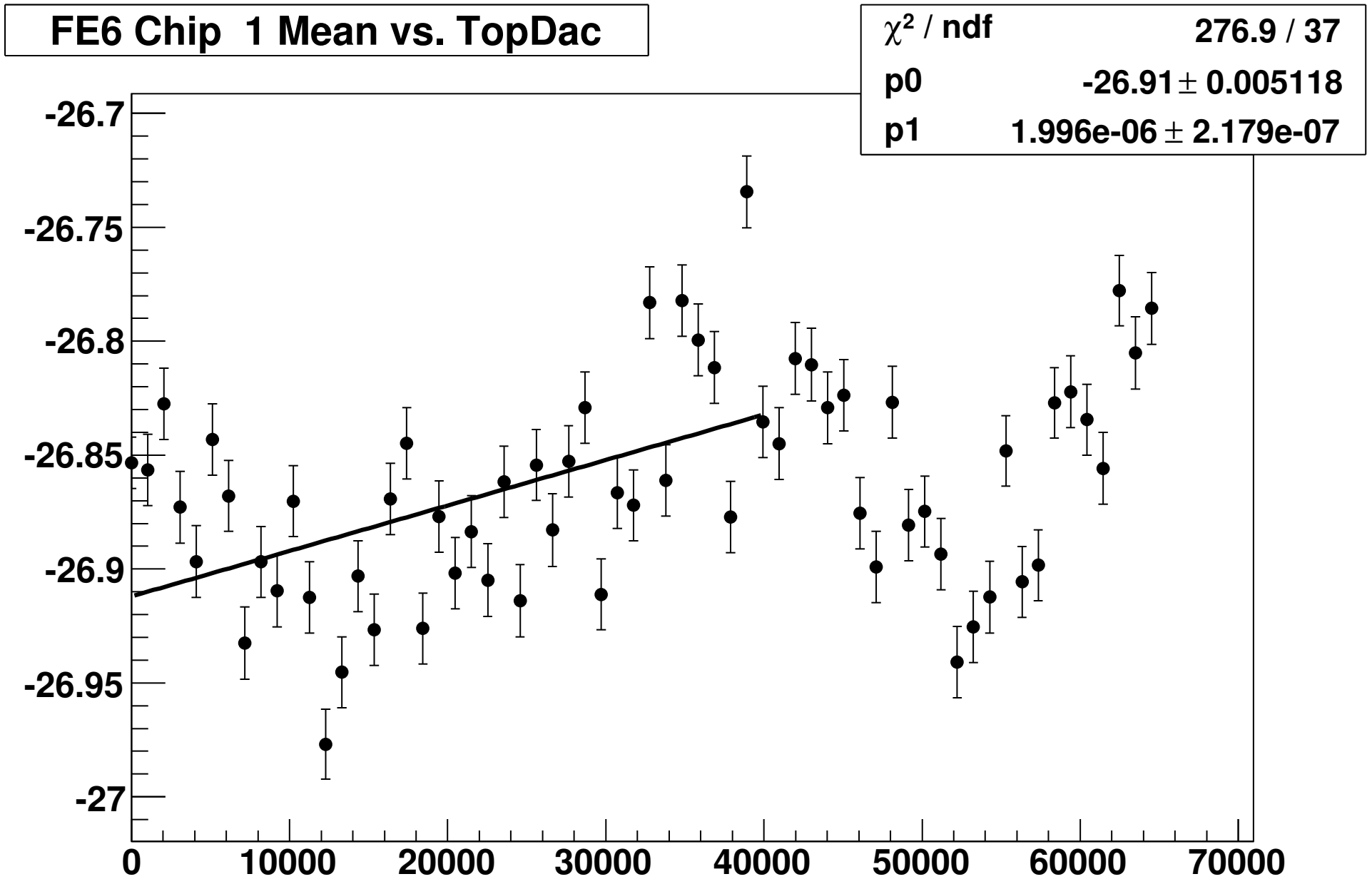

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 24.96 / 37
p0 1.518 ± 0.001827
p1 2.135e-15 ± 2.932e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 7.824e+04 / 37
p0 -29.64 ± 0.005078
p1 0.4502 ± 2.385e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1420 / 37
p0 1.348 ± 0.00277
p1 3.385e-05 ± 2.012e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 276.9 / 37
p0 -26.91 ± 0.005118
p1 1.996e-06 ± 2.179e-07
-26.7
-26.75
-26.8
-26.85
-26.9
-26.95
-27
0
10000
20000
30000
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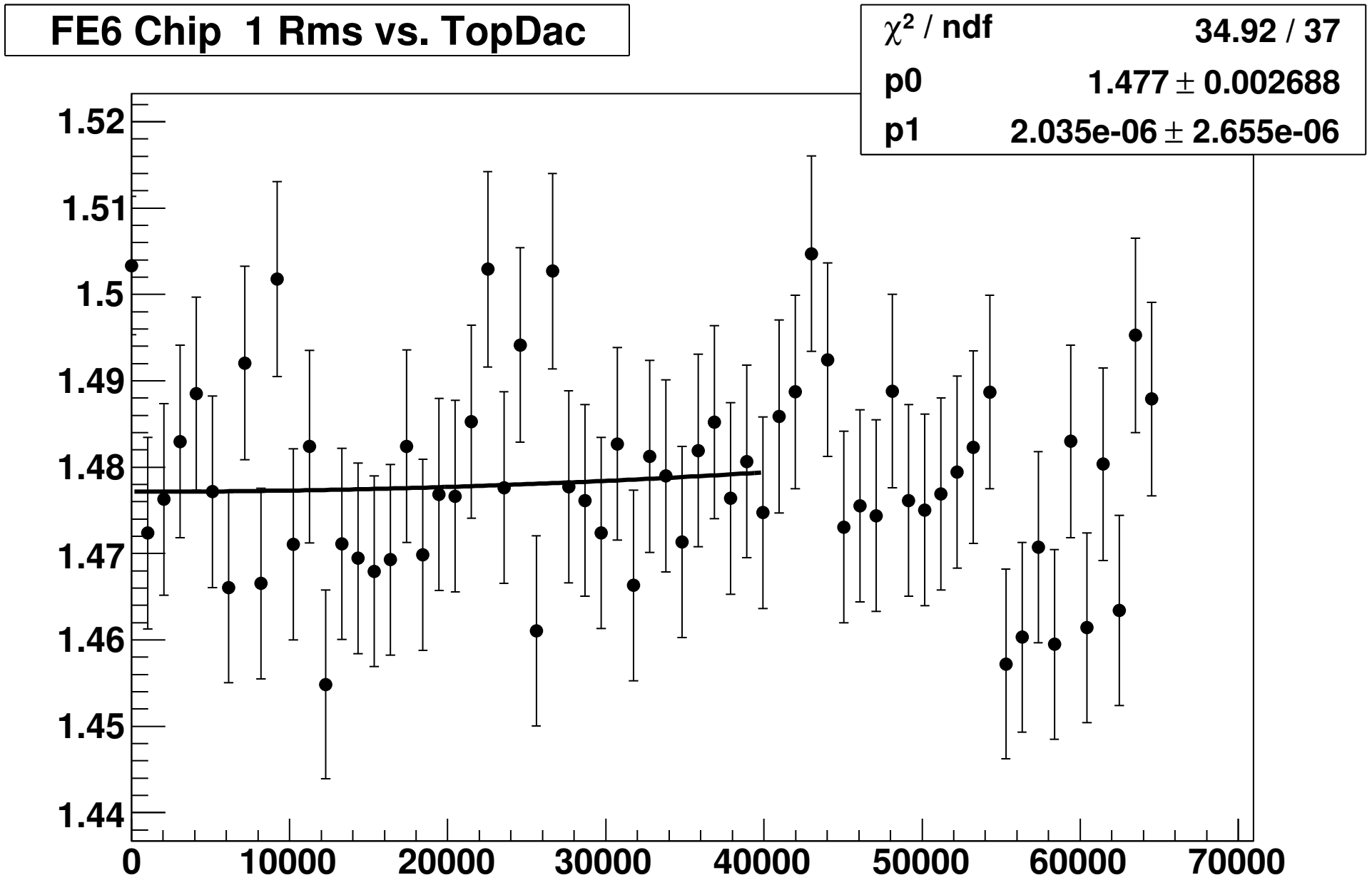
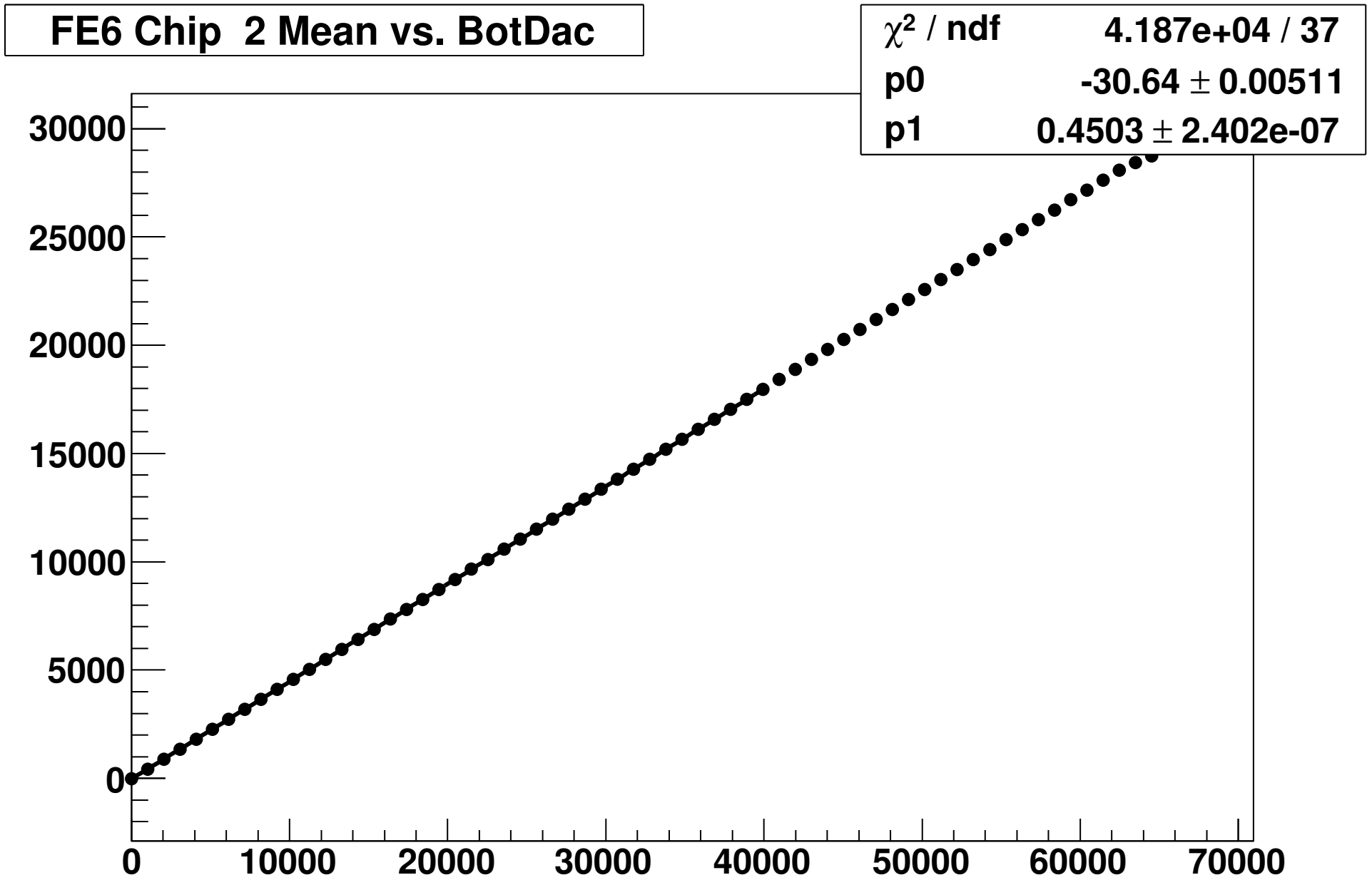
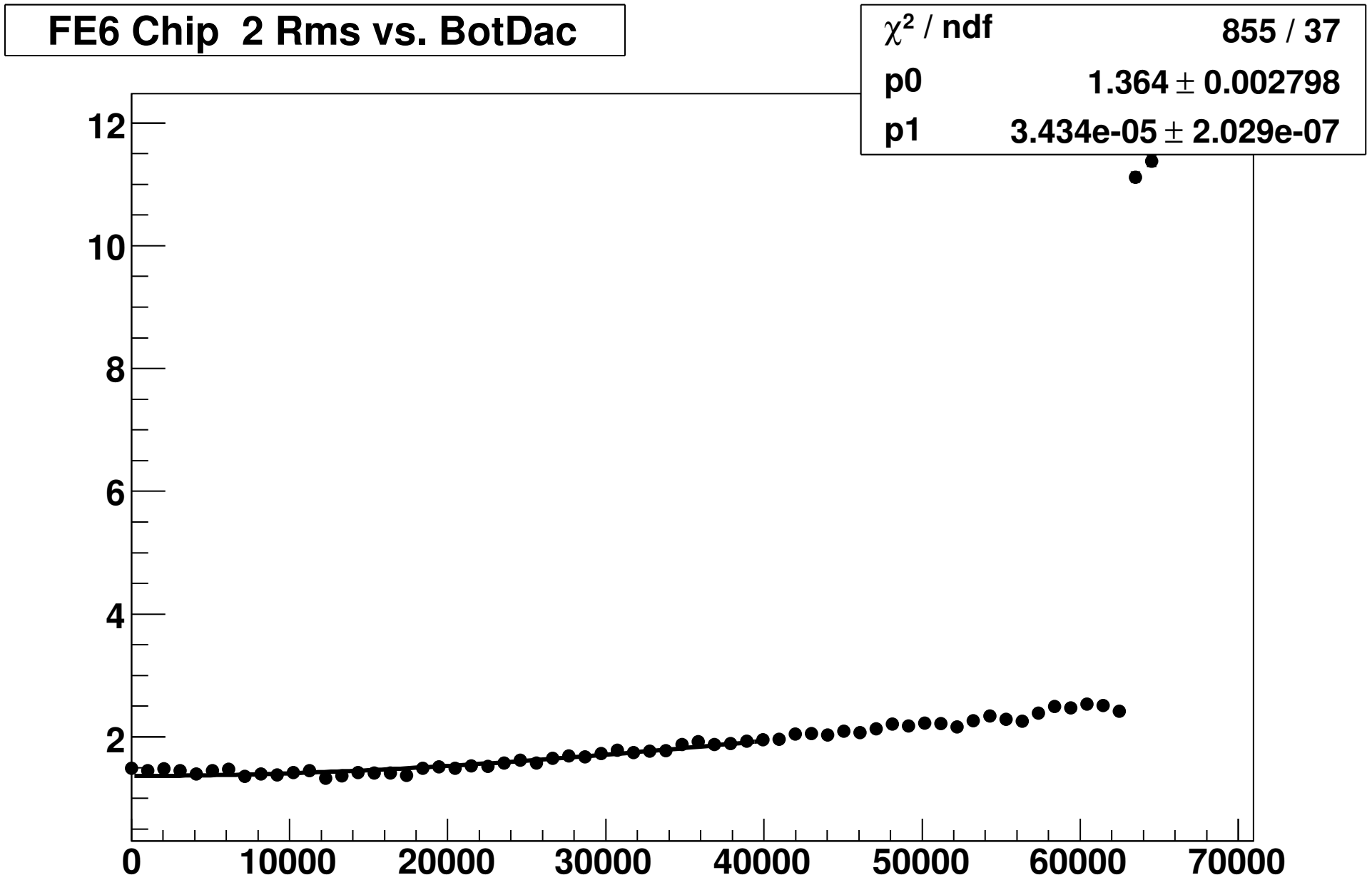
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 34.92 / 37
p0 1.477 ± 0.002688
p1 2.035e-06 ± 2.655e-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


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 4.187e+04 / 37
p0 -30.64 ± 0.00511
p1 0.4503 ± 2.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 855 / 37
p0 1.364 ± 0.002798
p1 3.434e-05 ± 2.029e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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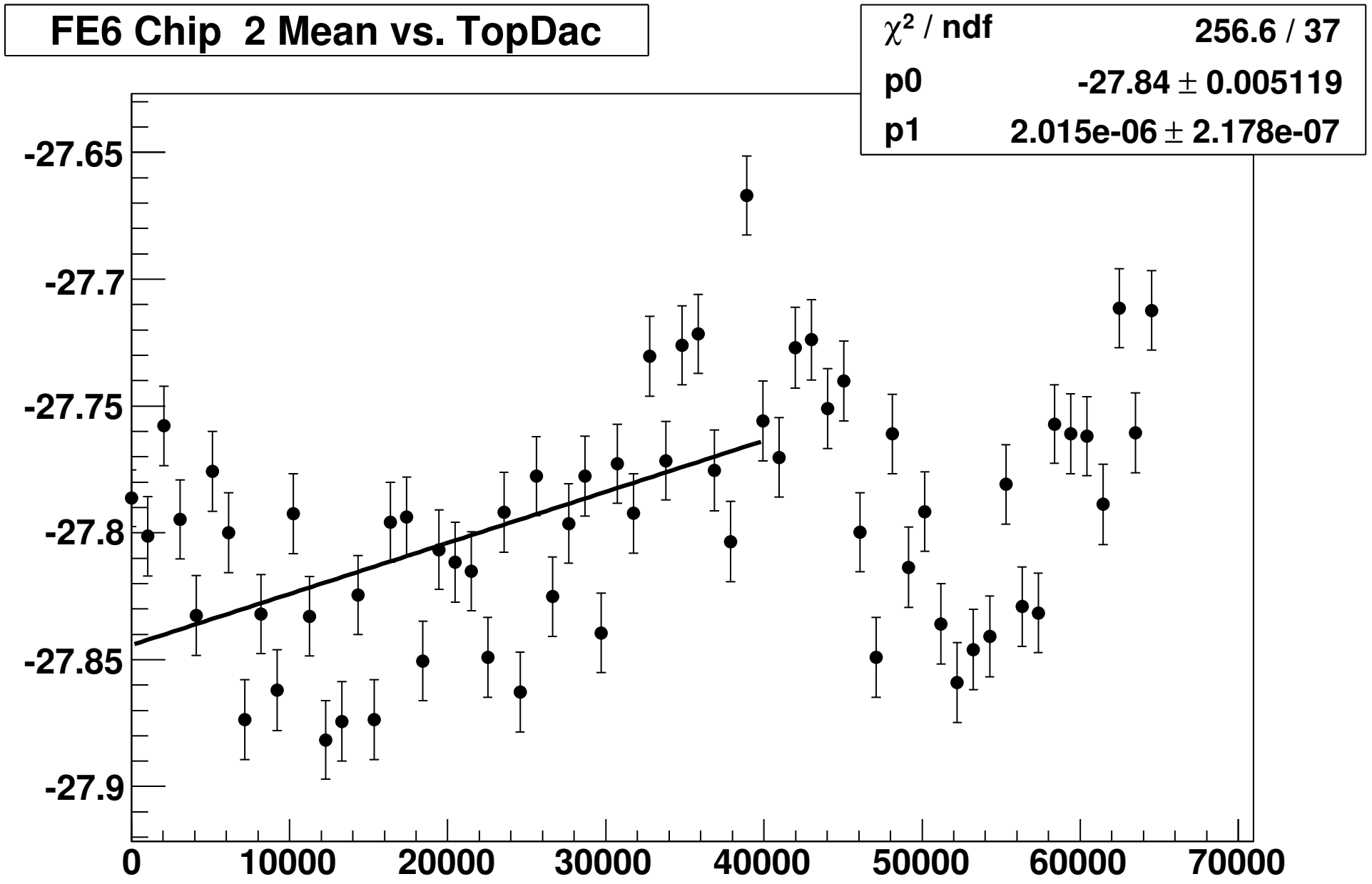
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 256.6 / 37
p0 -27.84 ± 0.005119
p1 2.015e-06 ± 2.178e-07
-27.65
-27.7
-27.75
-27.8
-27.85
-27.9
0
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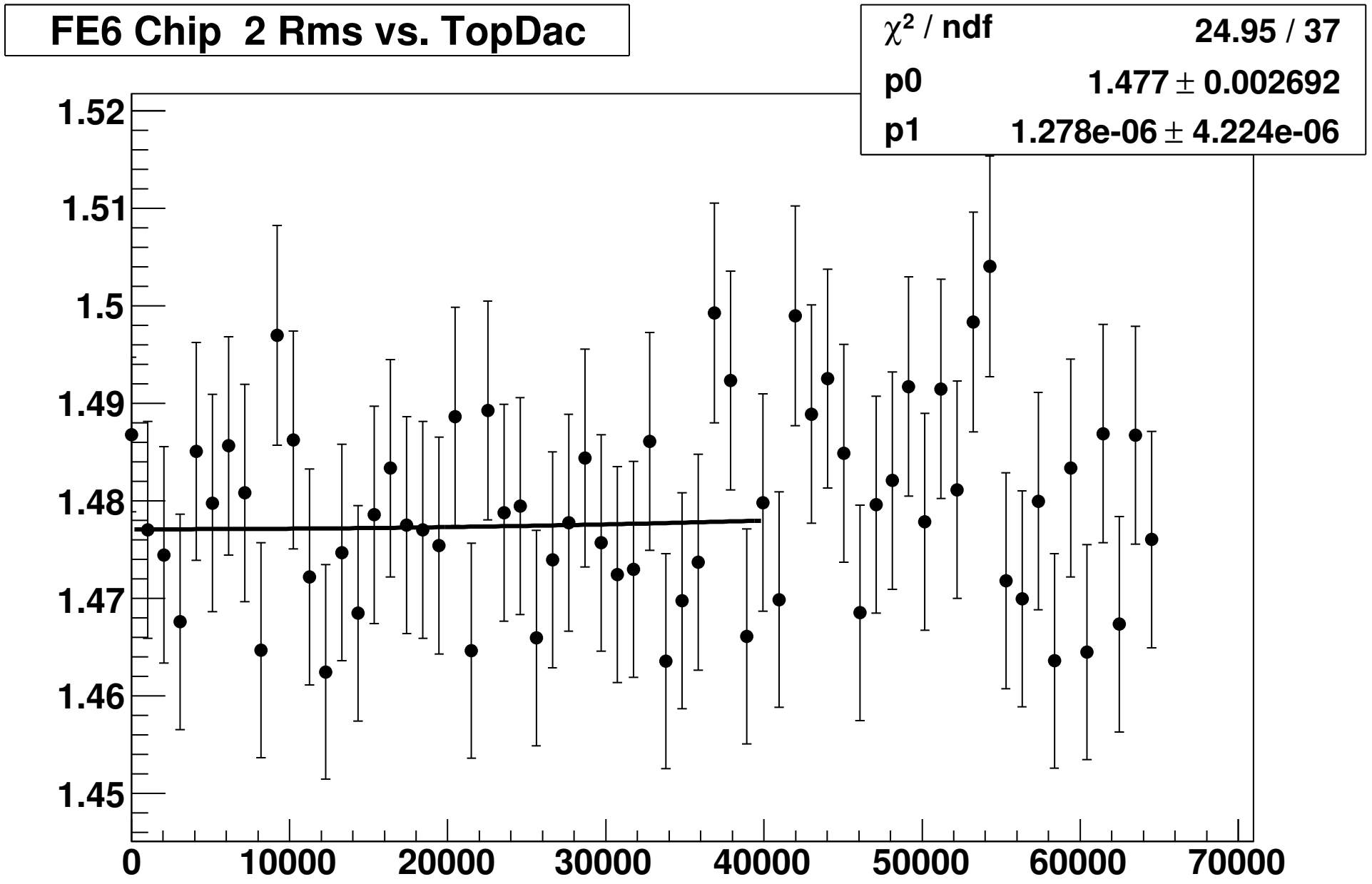
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 24.95 / 37
p0 1.477 ± 0.002692
p1 1.278e-06 ± 4.224e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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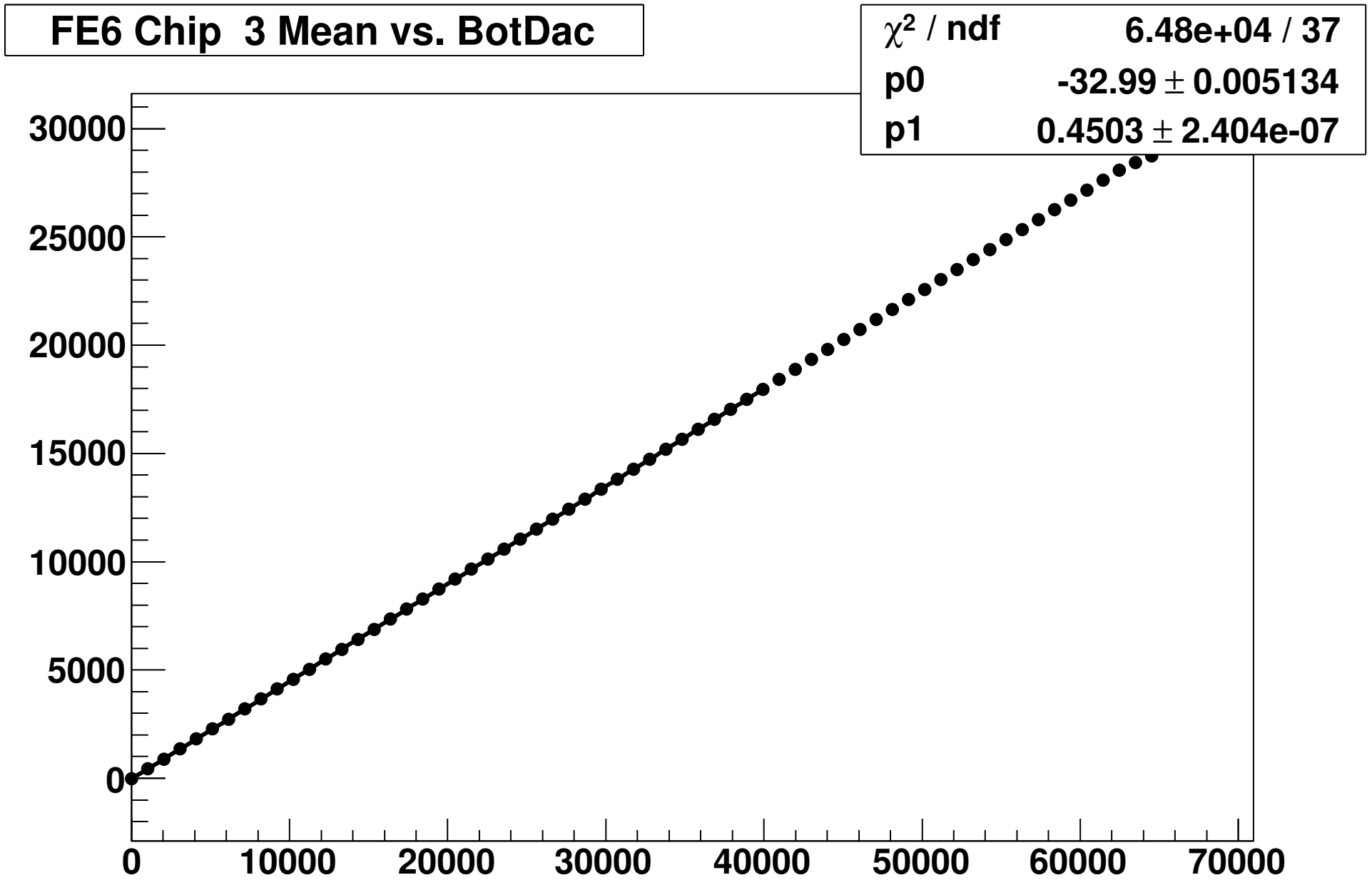
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 6.48e+04 / 37
p0 -32.99 ± 0.005134
p1 0.4503 ± 2.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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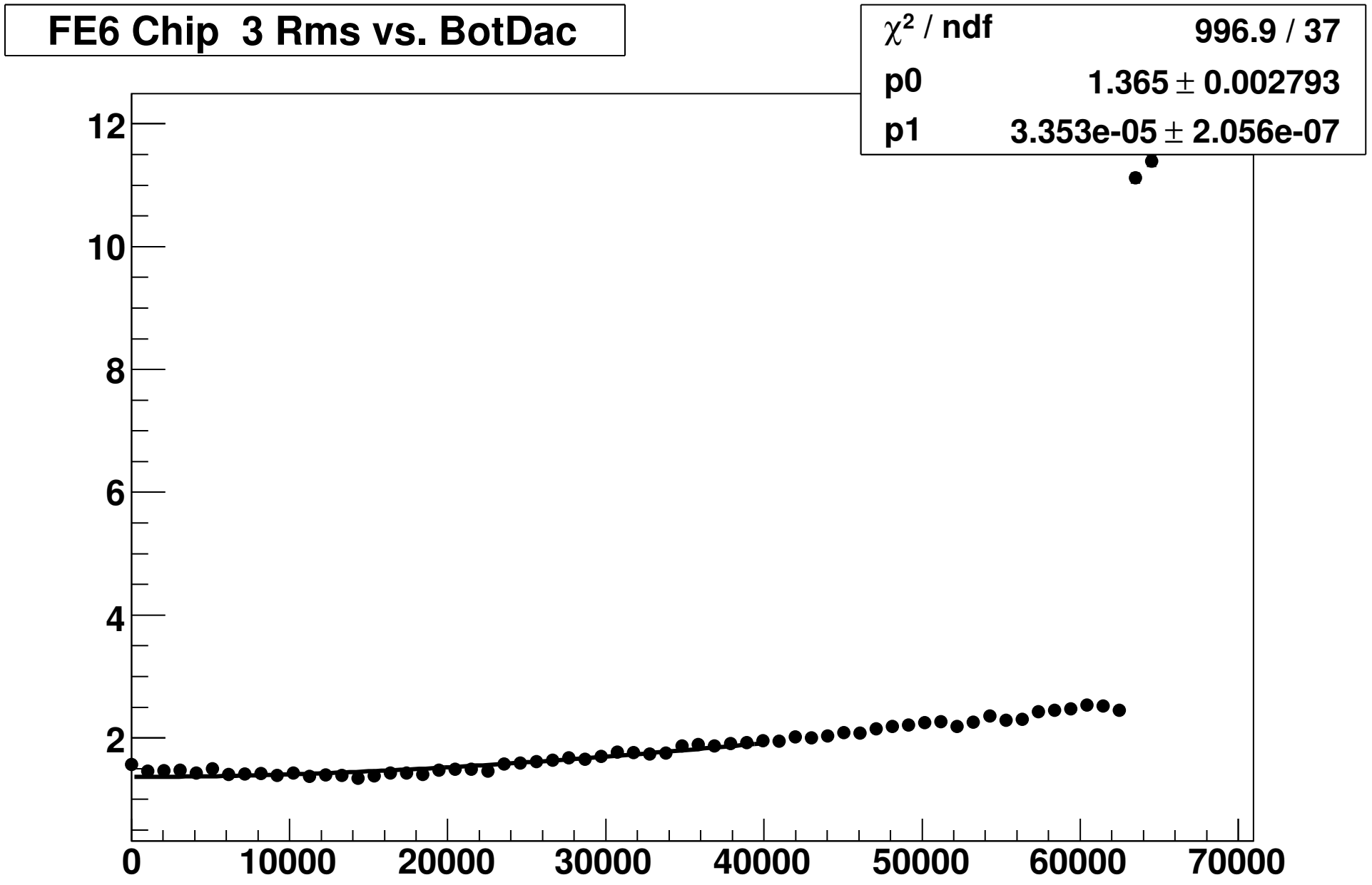
FE6 Chip 3 Rms vs. BotDac
χ² / ndf 996.9 / 37
p0 1.365 ± 0.002793
p1 3.353e-05 ± 2.056e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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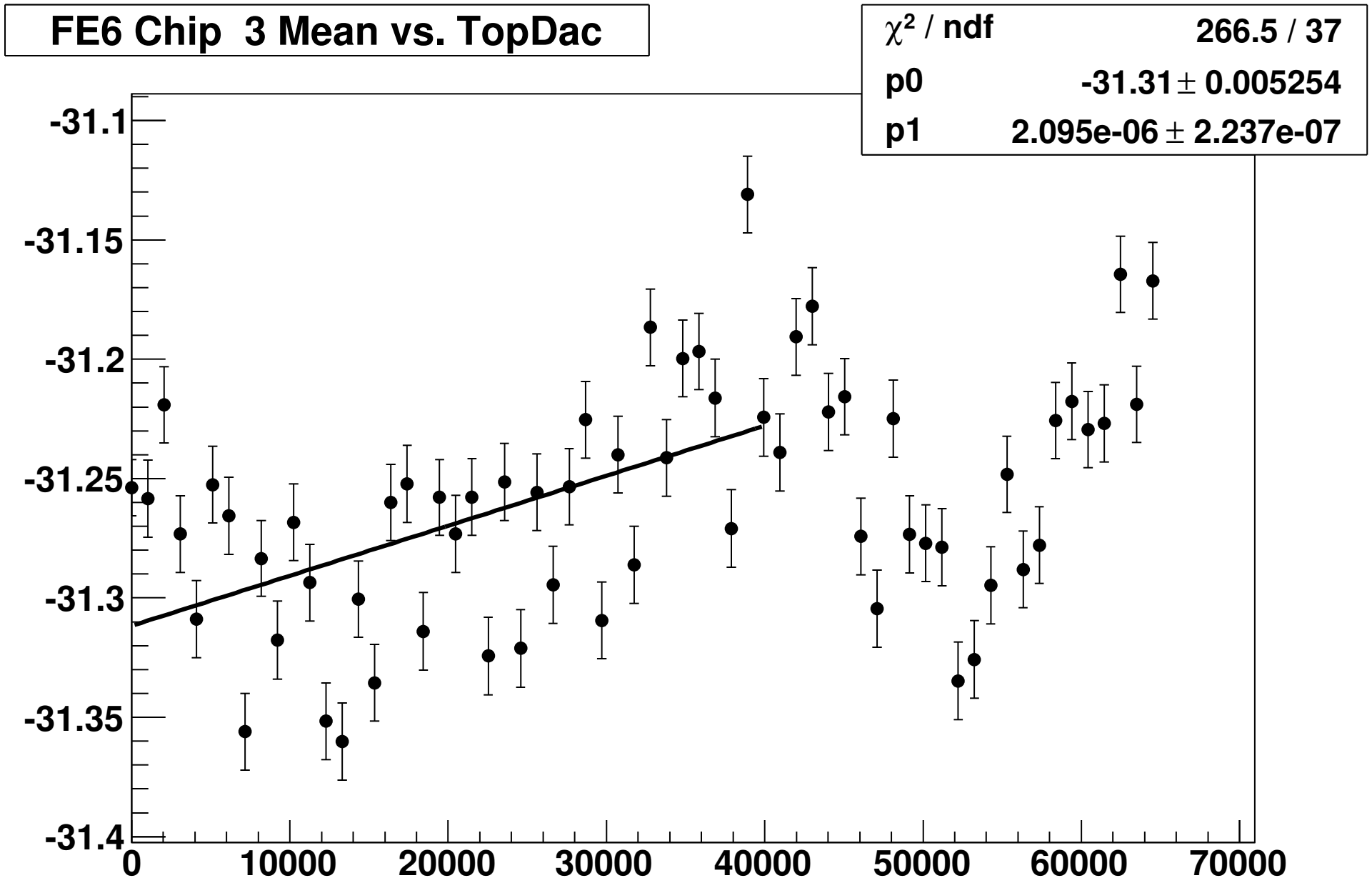
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 266.5 / 37
p0 -31.31 ± 0.005254
p1 2.095e-06 ± 2.237e-07
-31.1
-31.15
-31.2
-31.25
-31.3
-31.35
-31.4
0
10000
20000
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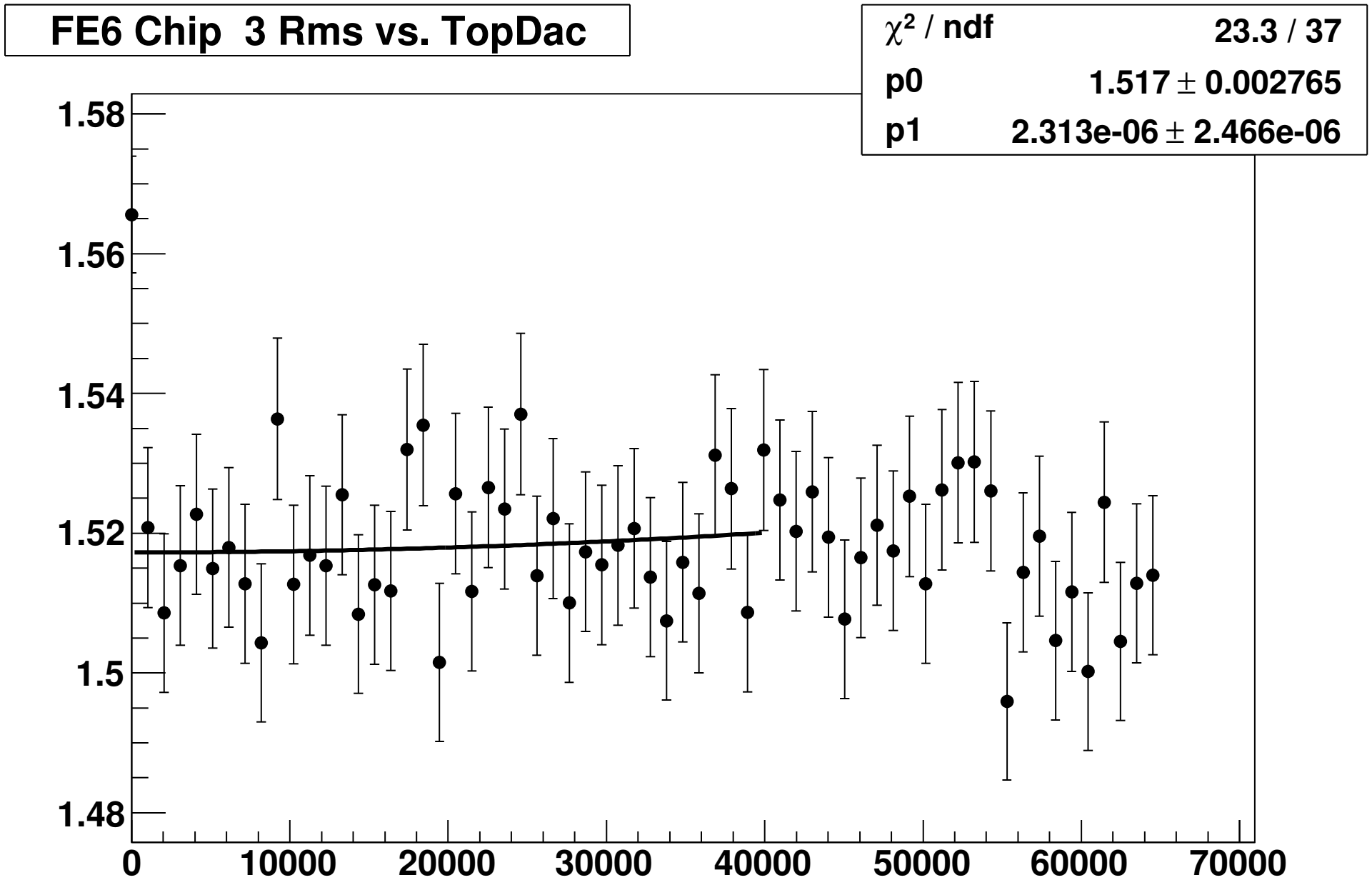
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 23.3 / 37
p0 1.517 ± 0.002765
p1 2.313e-06 ± 2.466e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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50000
60000
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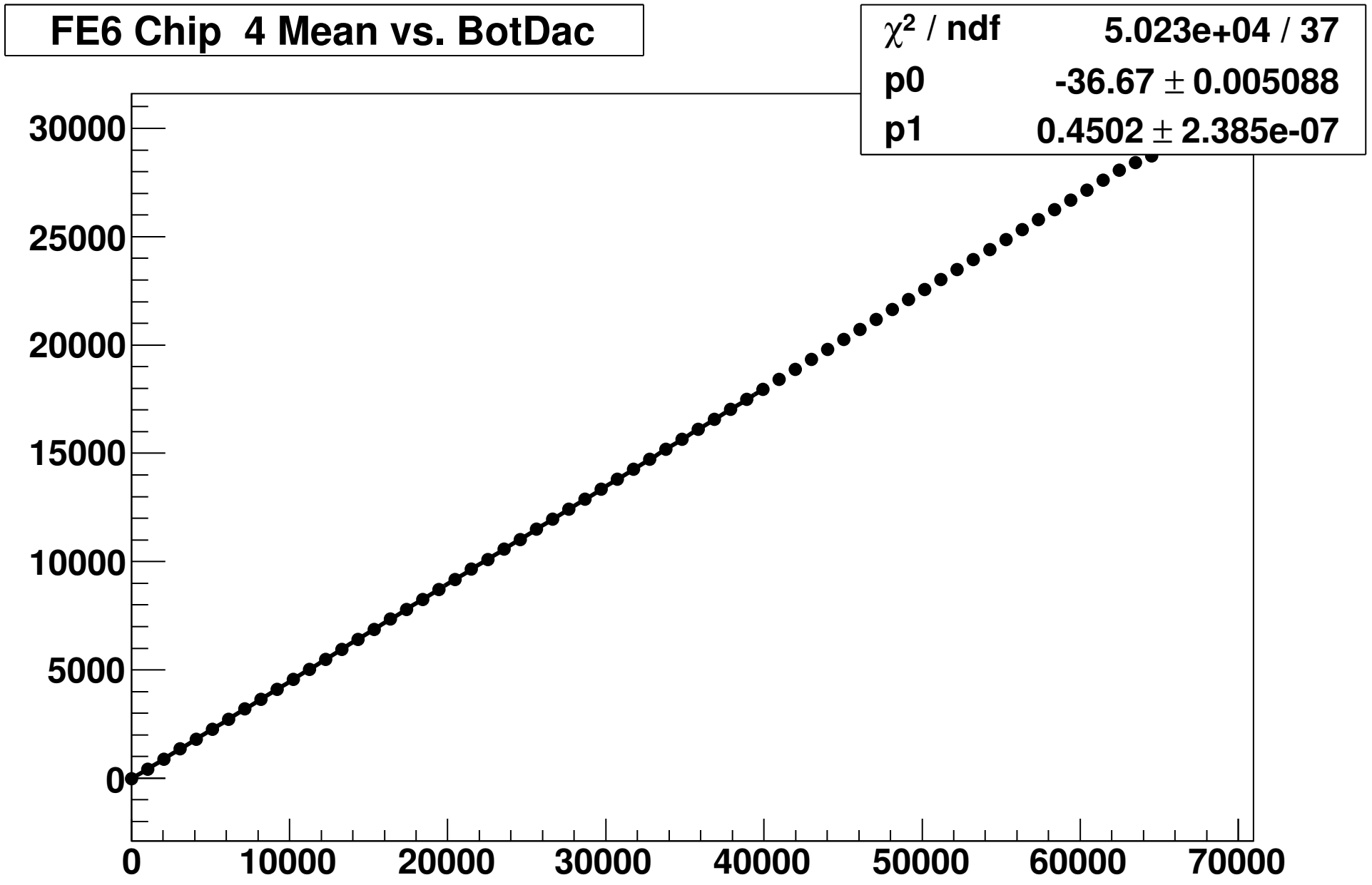
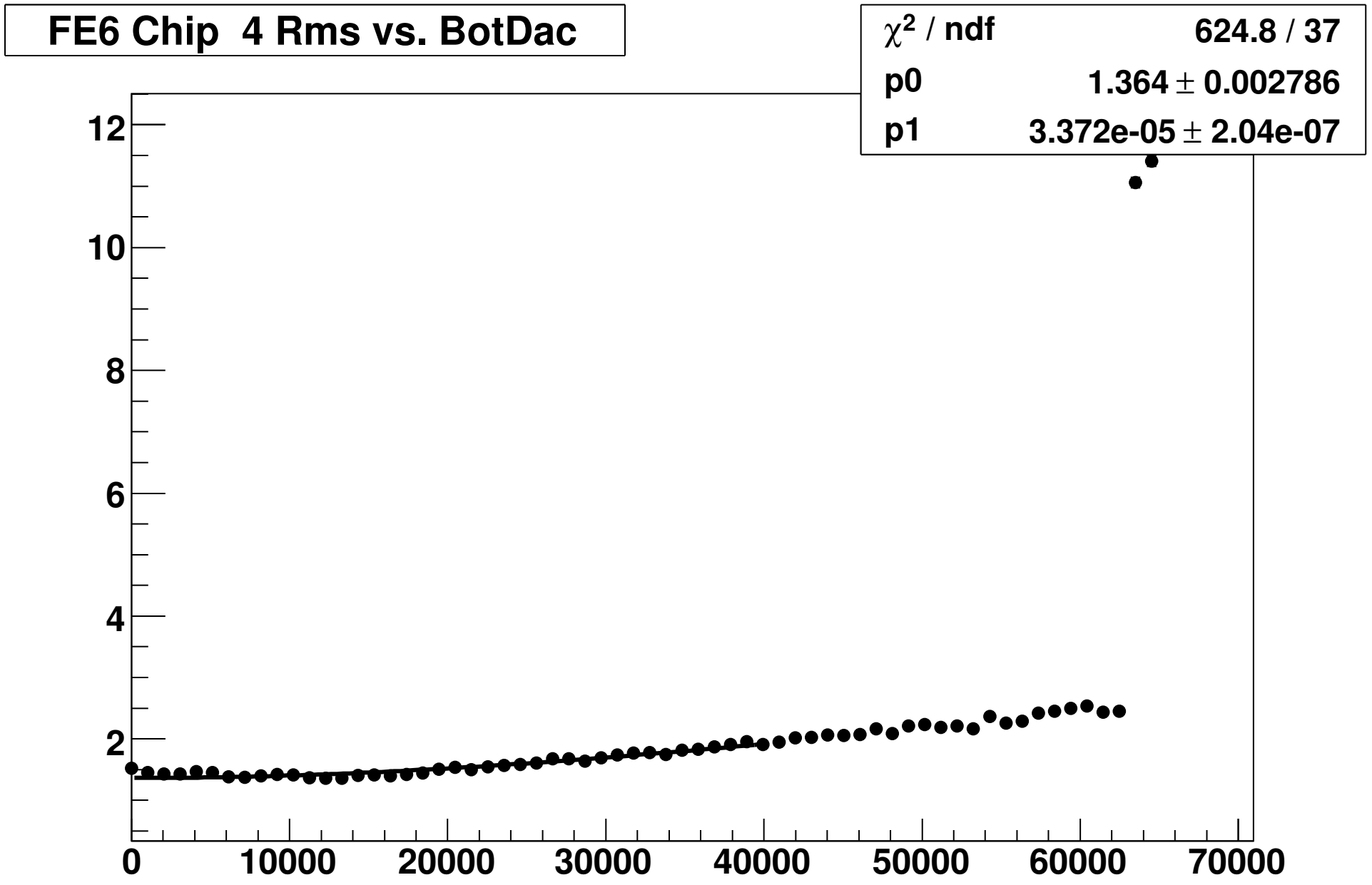
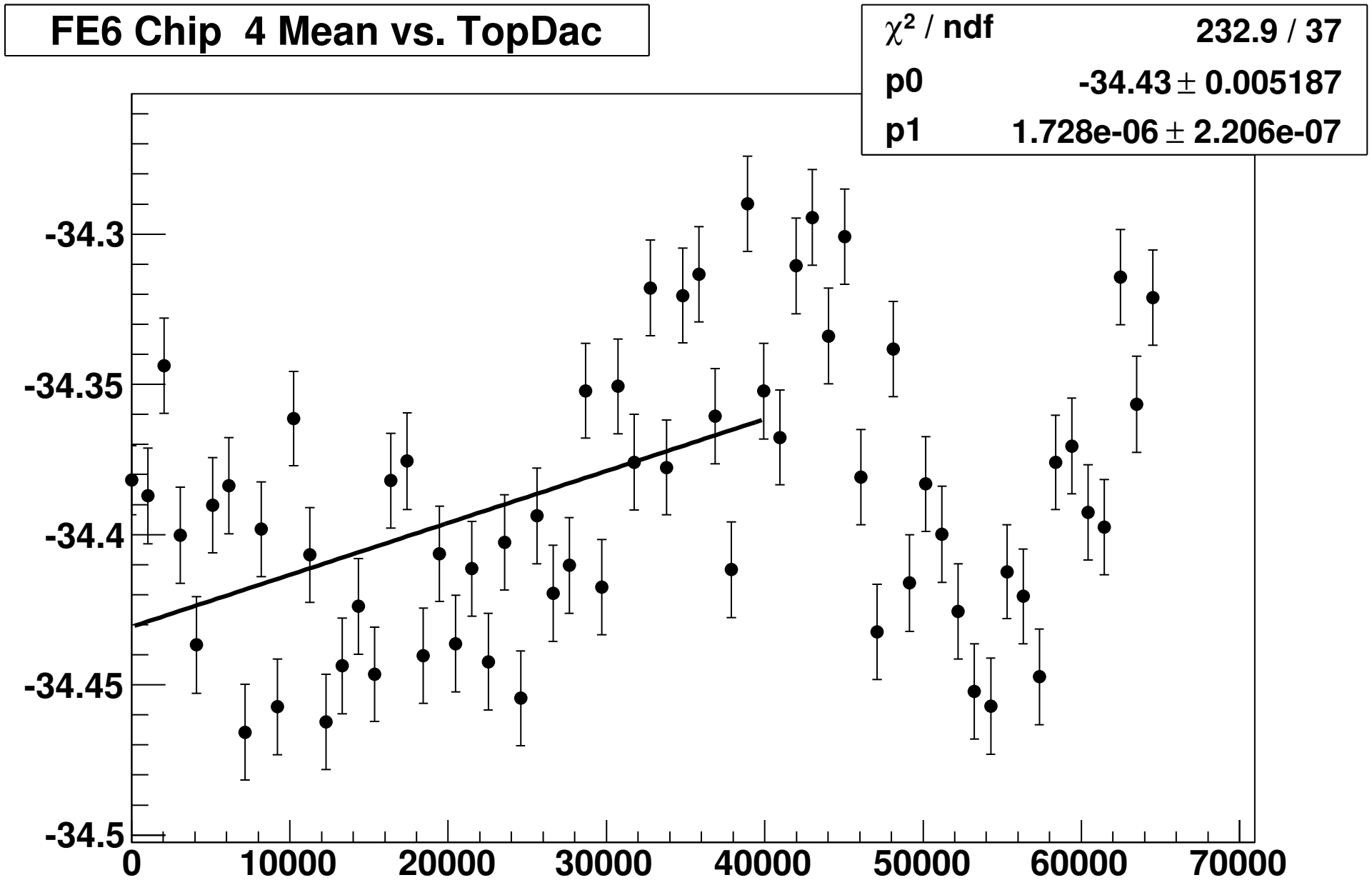

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 5.023e+04 / 37
p0 -36.67 ± 0.005088
p1 0.4502 ± 2.385e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 624.8 / 37
p0 1.364 ± 0.002786
p1 3.372e-05 ± 2.04e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 232.9 / 37
p0 -34.43 ± 0.005187
p1 1.728e-06 ± 2.206e-07
-34.3
-34.35
-34.4
-34.45
-34.5
0
10000
20000
30000
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50000
60000
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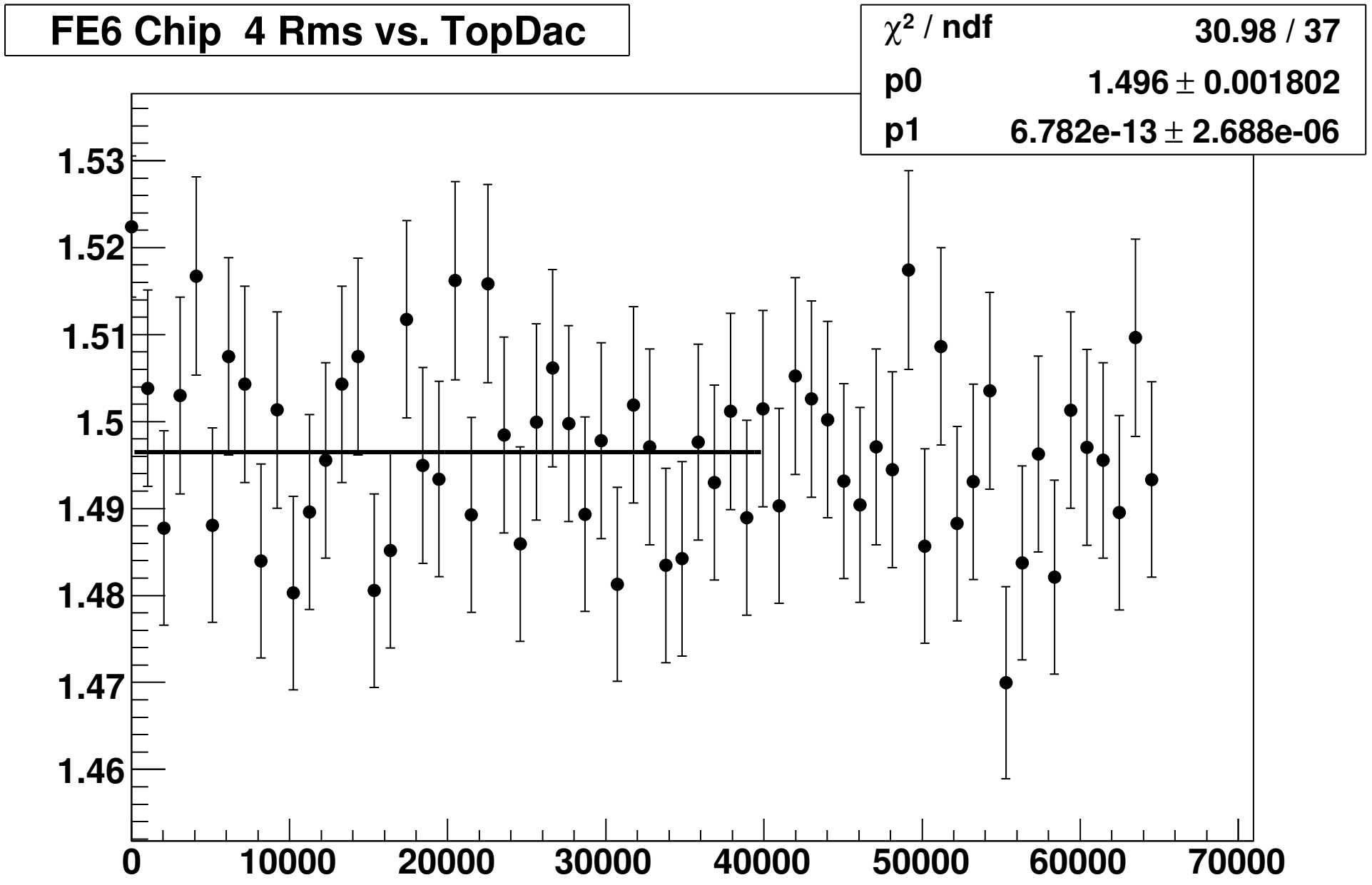
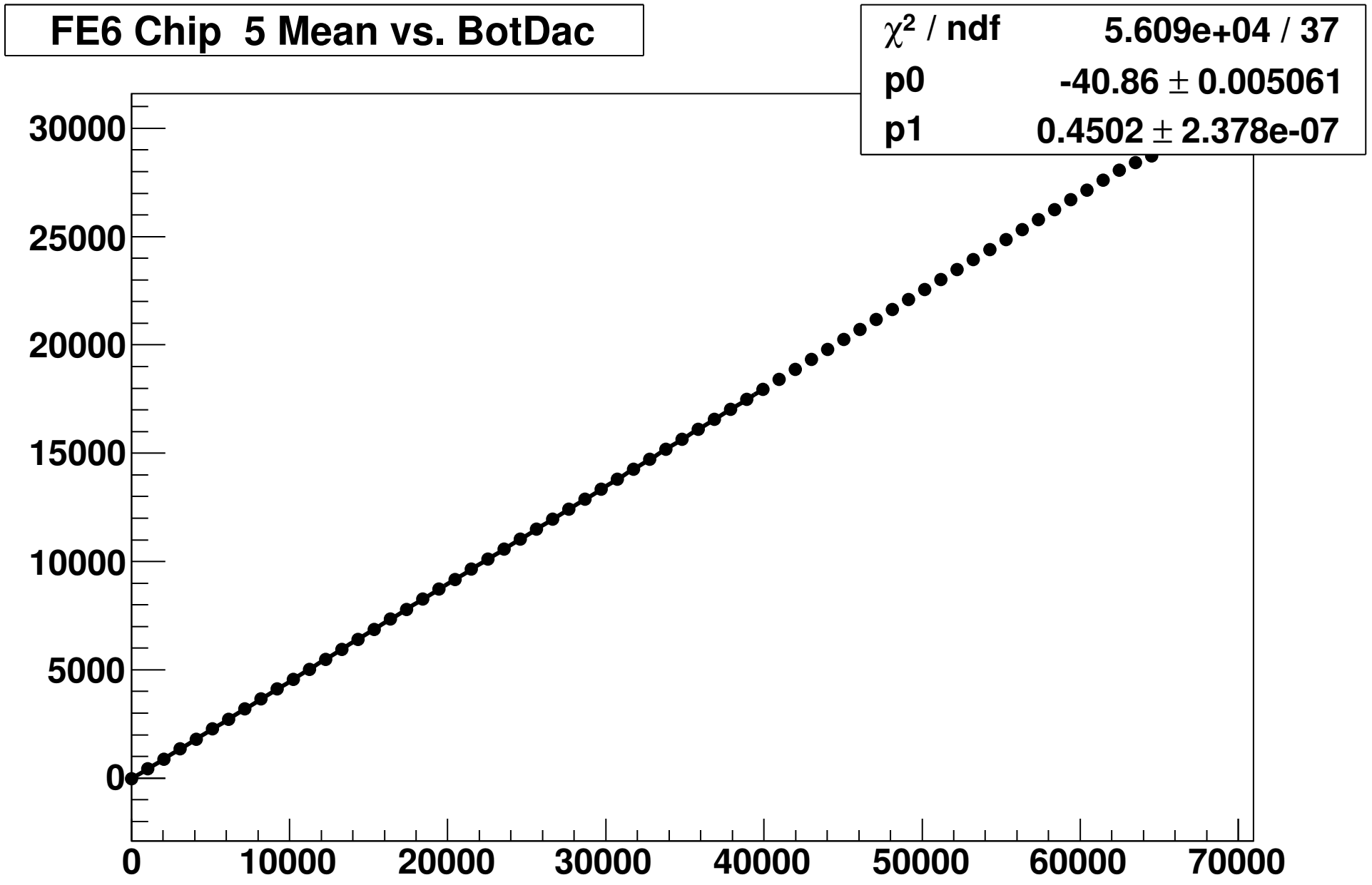
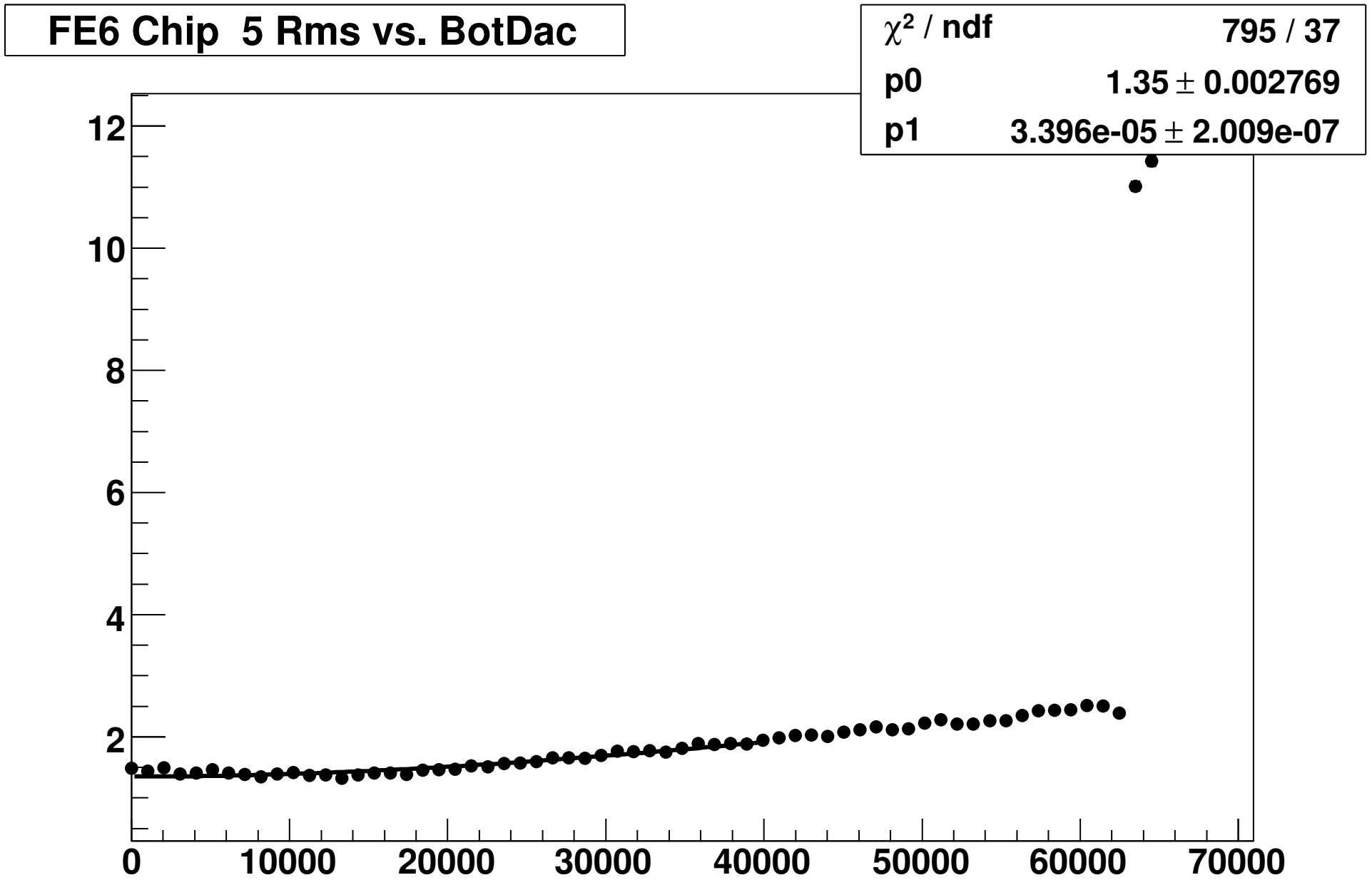
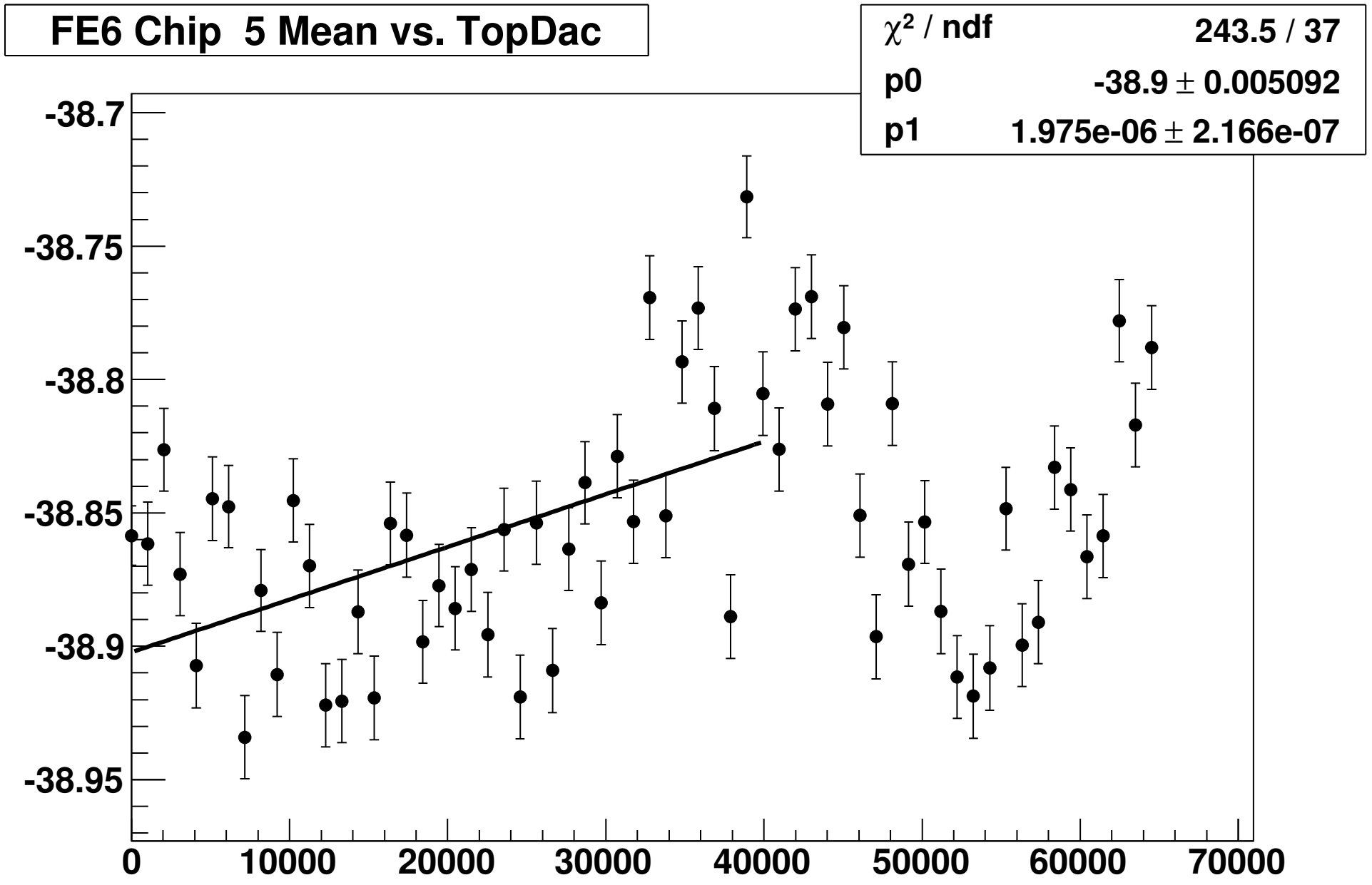

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 30.98 / 37
p0 1.496 ± 0.001802
p1 6.782e-13 ± 2.688e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 5.609e+04 / 37
p0 -40.86 ± 0.005061
p1 0.4502 ± 2.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 795 / 37
p0 1.35 ± 0.002769
p1 3.396e-05 ± 2.009e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 243.5 / 37
p0 -38.9 ± 0.005092
p1 1.975e-06 ± 2.166e-07
-38.7
-38.75
-38.8
-38.85
-38.9
-38.95
0
10000
20000
30000
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60000
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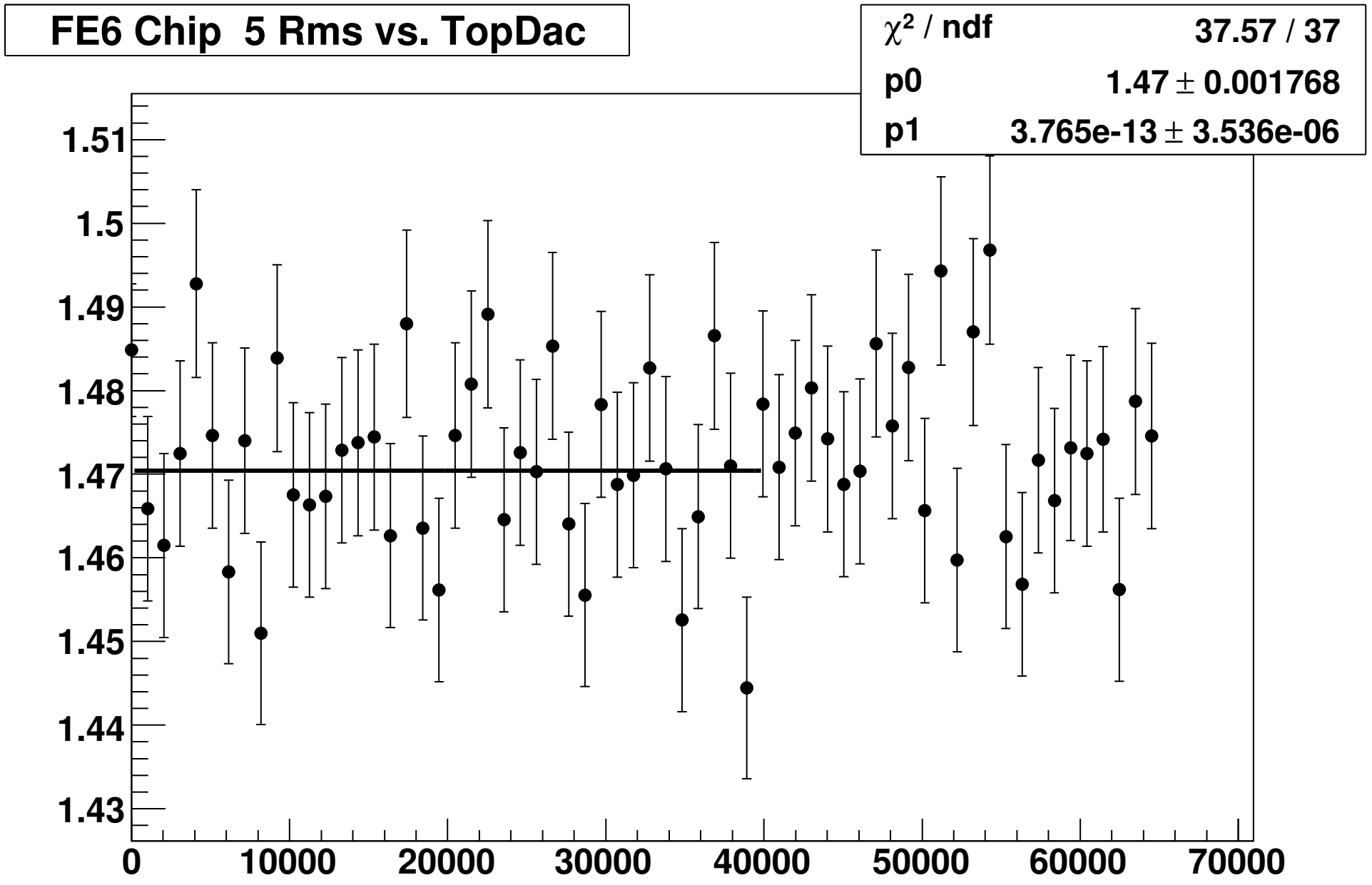
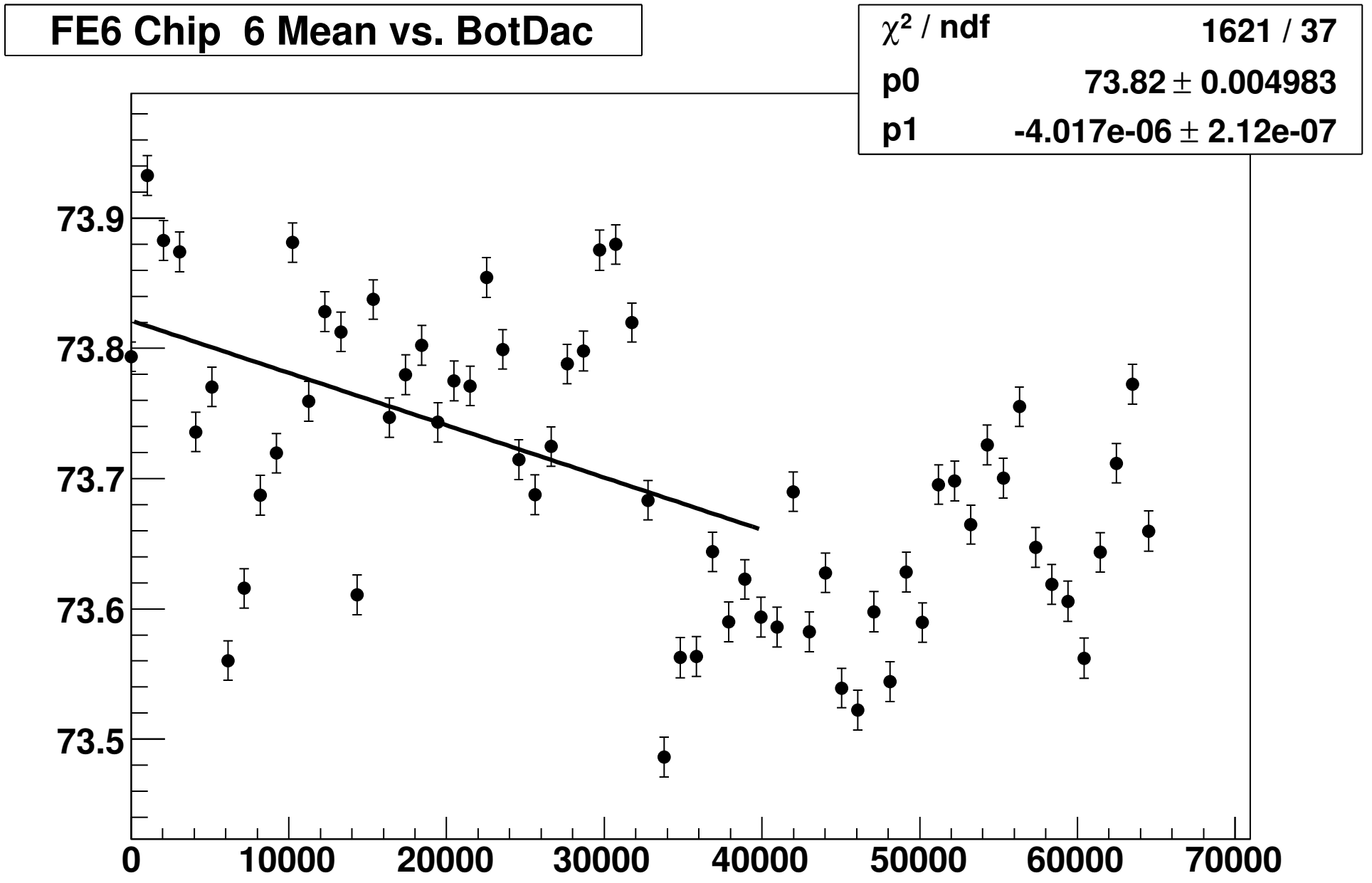
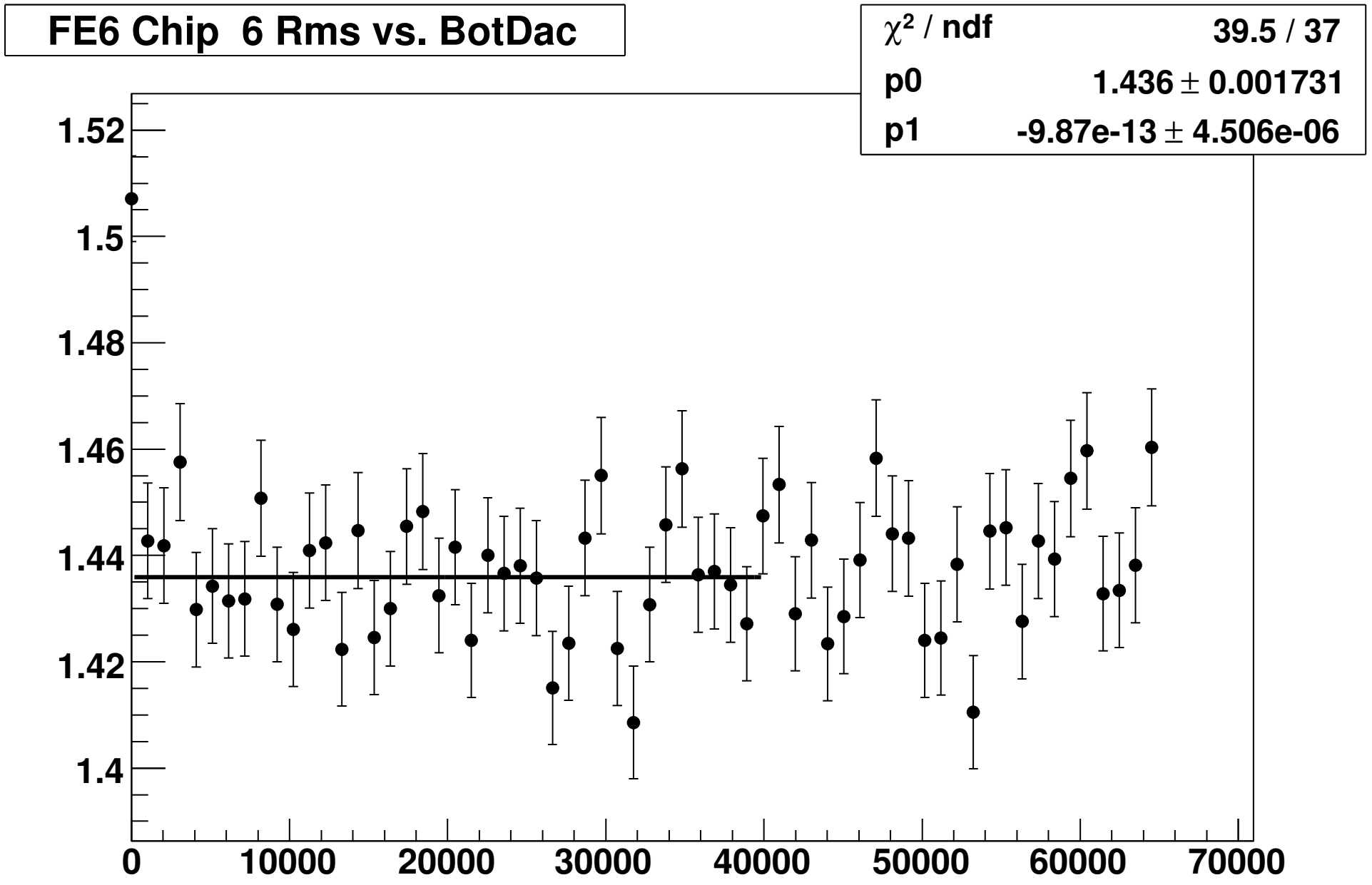
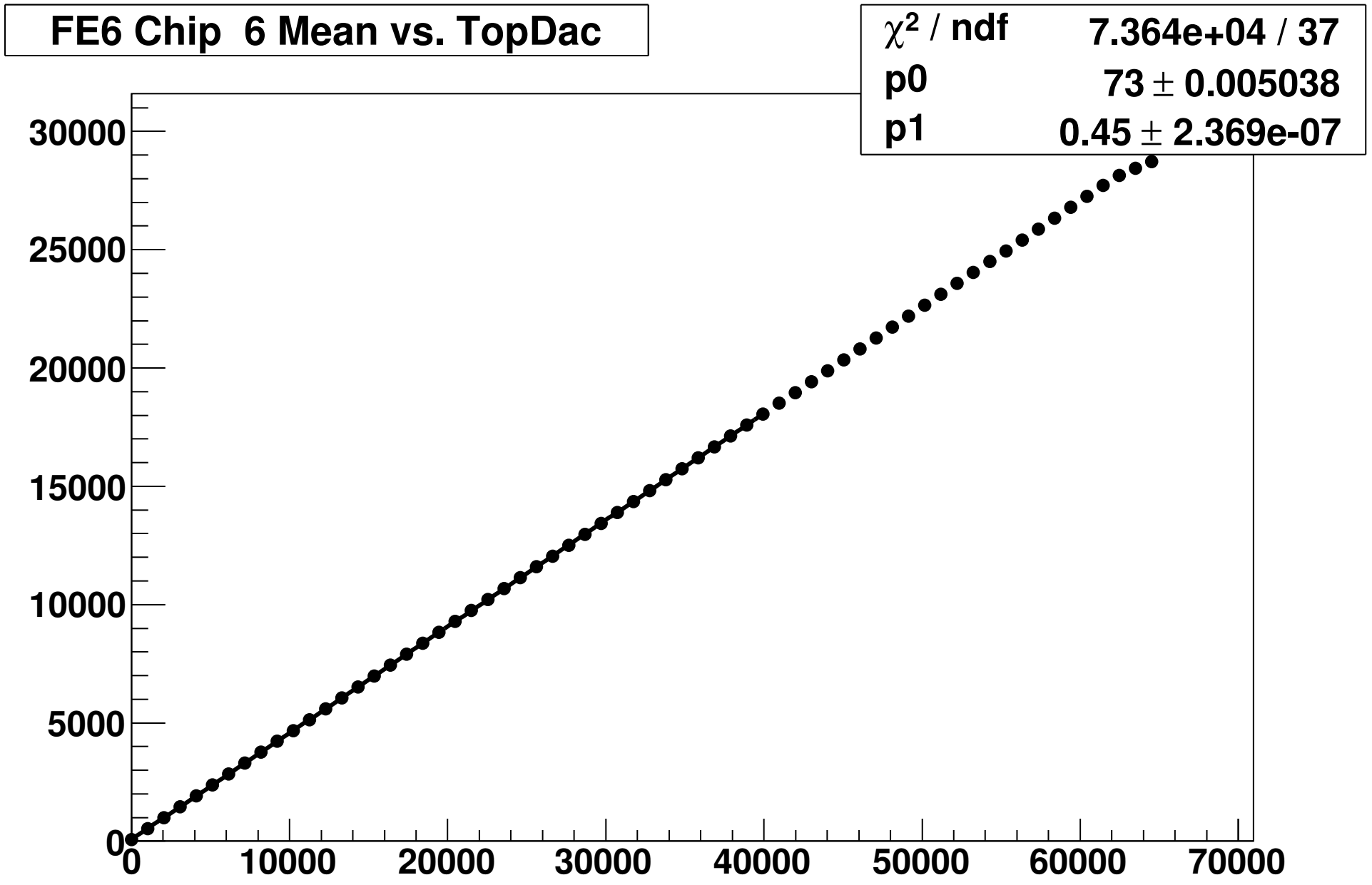
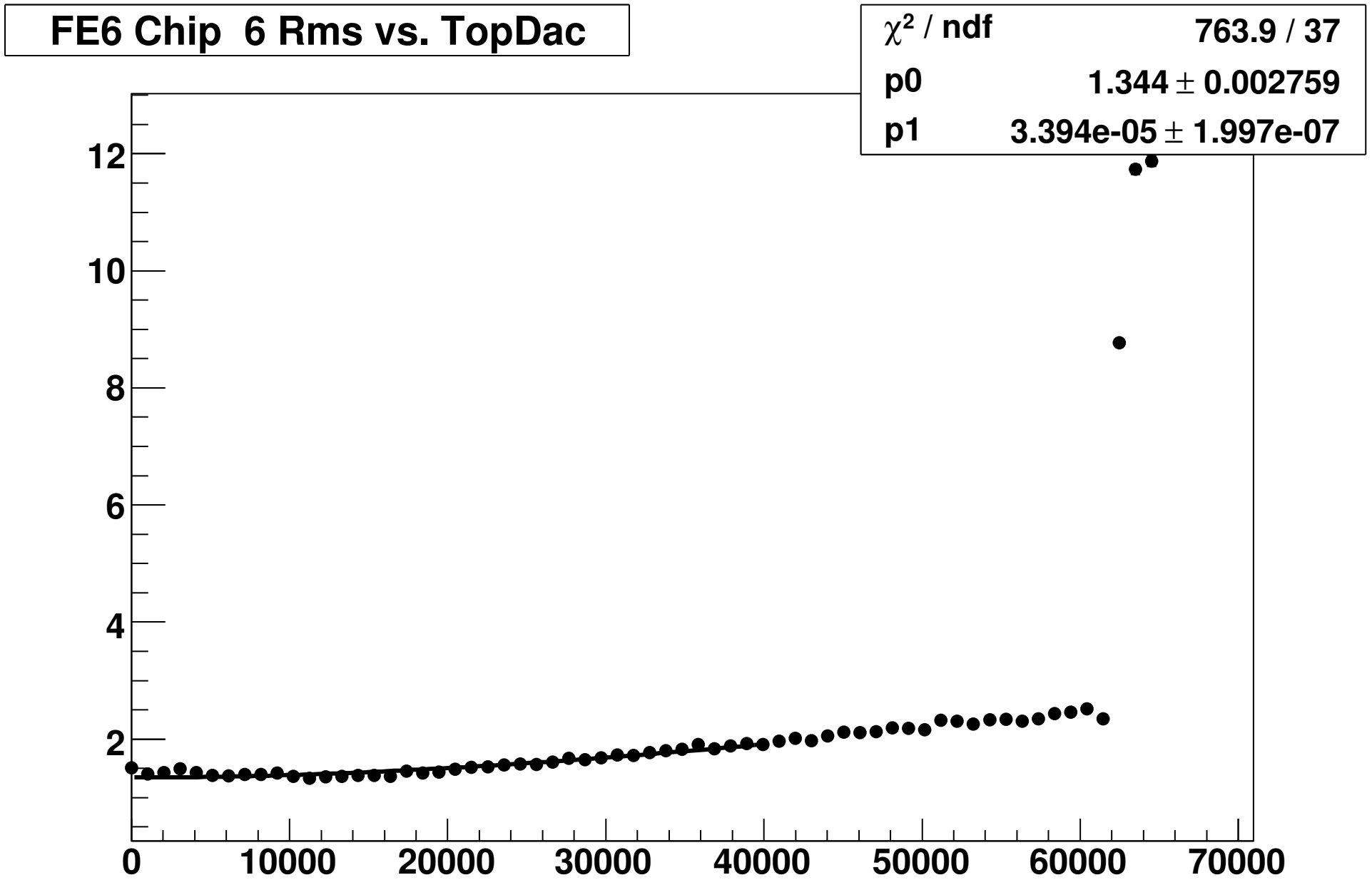
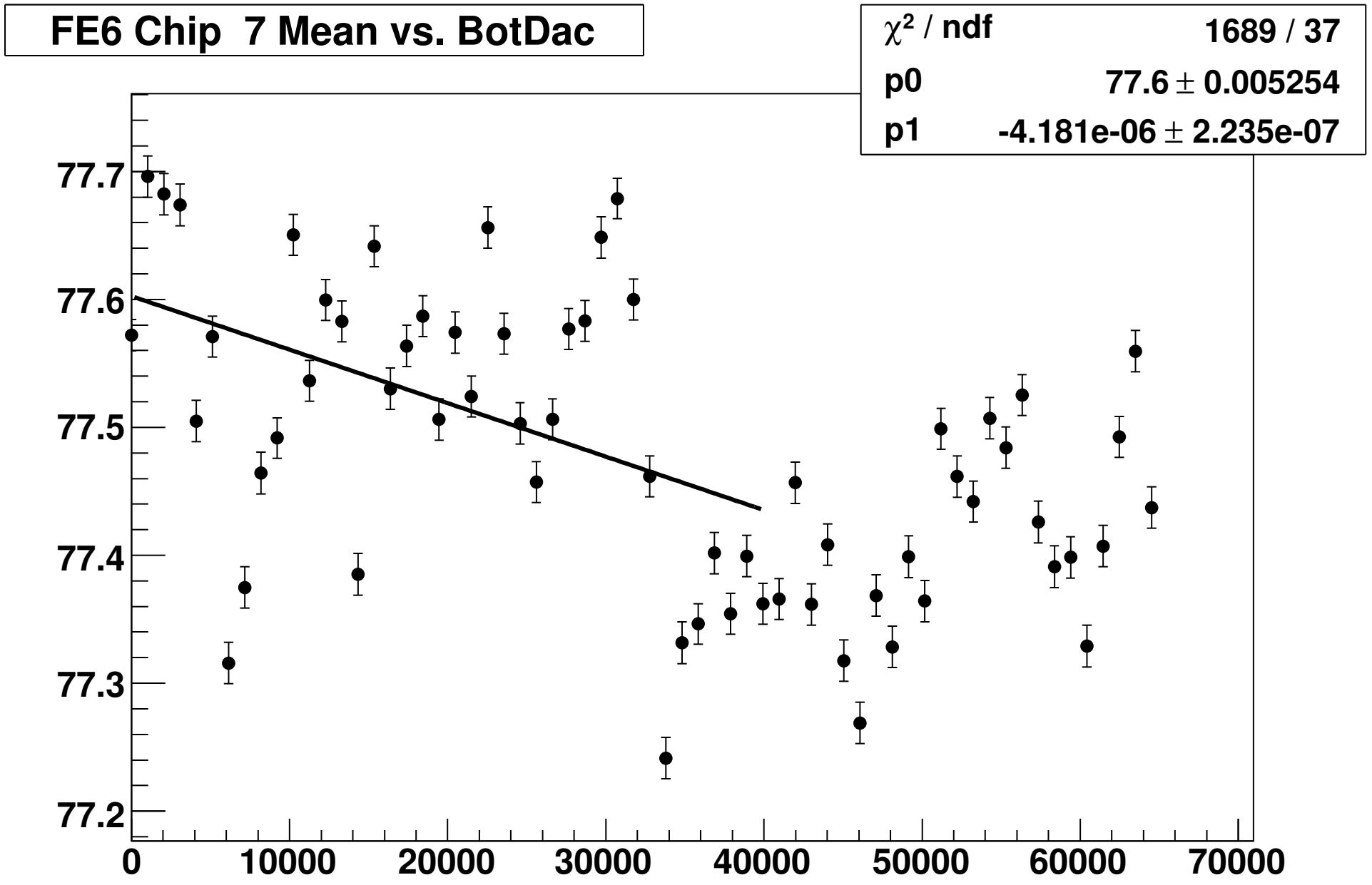

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 37.57 / 37
p0 1.47 ± 0.001768
p1 3.765e-13 ± 3.536e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

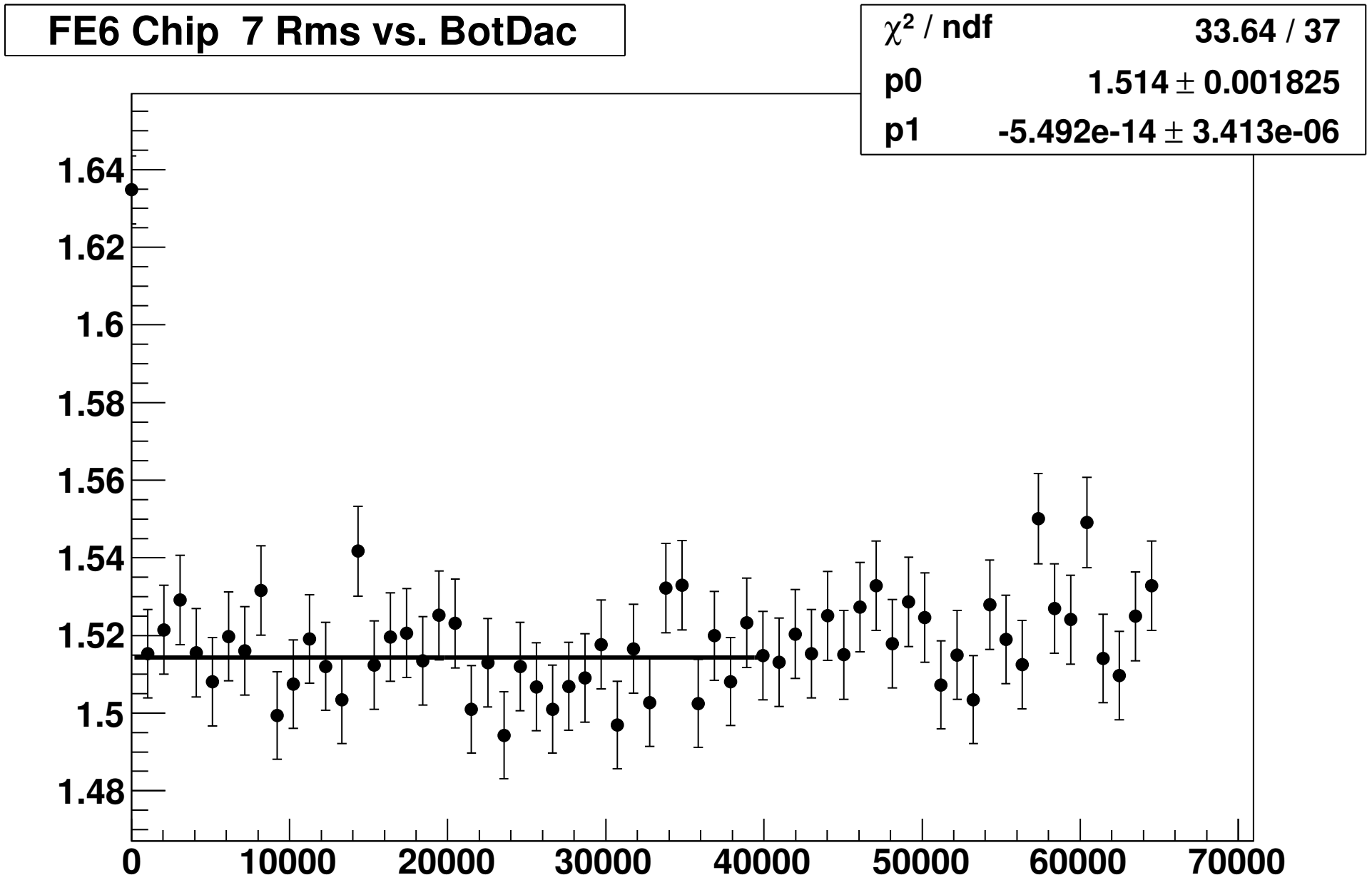

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 1621 / 37
p0 73.82 ± 0.004983
p1 -4.017e-06 ± 2.12e-07
73.9
73.8
73.7
73.6
73.5
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 39.5 / 37
p0 1.436 ± 0.001731
p1 -9.87e-13 ± 4.506e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 7.364e+04 / 37
p0 73 ± 0.005038
p1 0.45 ± 2.369e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 763.9 / 37
p0 1.344 ± 0.002759
p1 3.394e-05 ± 1.997e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 1689 / 37
p0 77.6 ± 0.005254
p1 -4.181e-06 ± 2.235e-07
77.7
77.6
77.5
77.4
77.3
77.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 33.64 / 37
p0 1.514 ± 0.001825
p1 -5.492e-14 ± 3.413e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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50000
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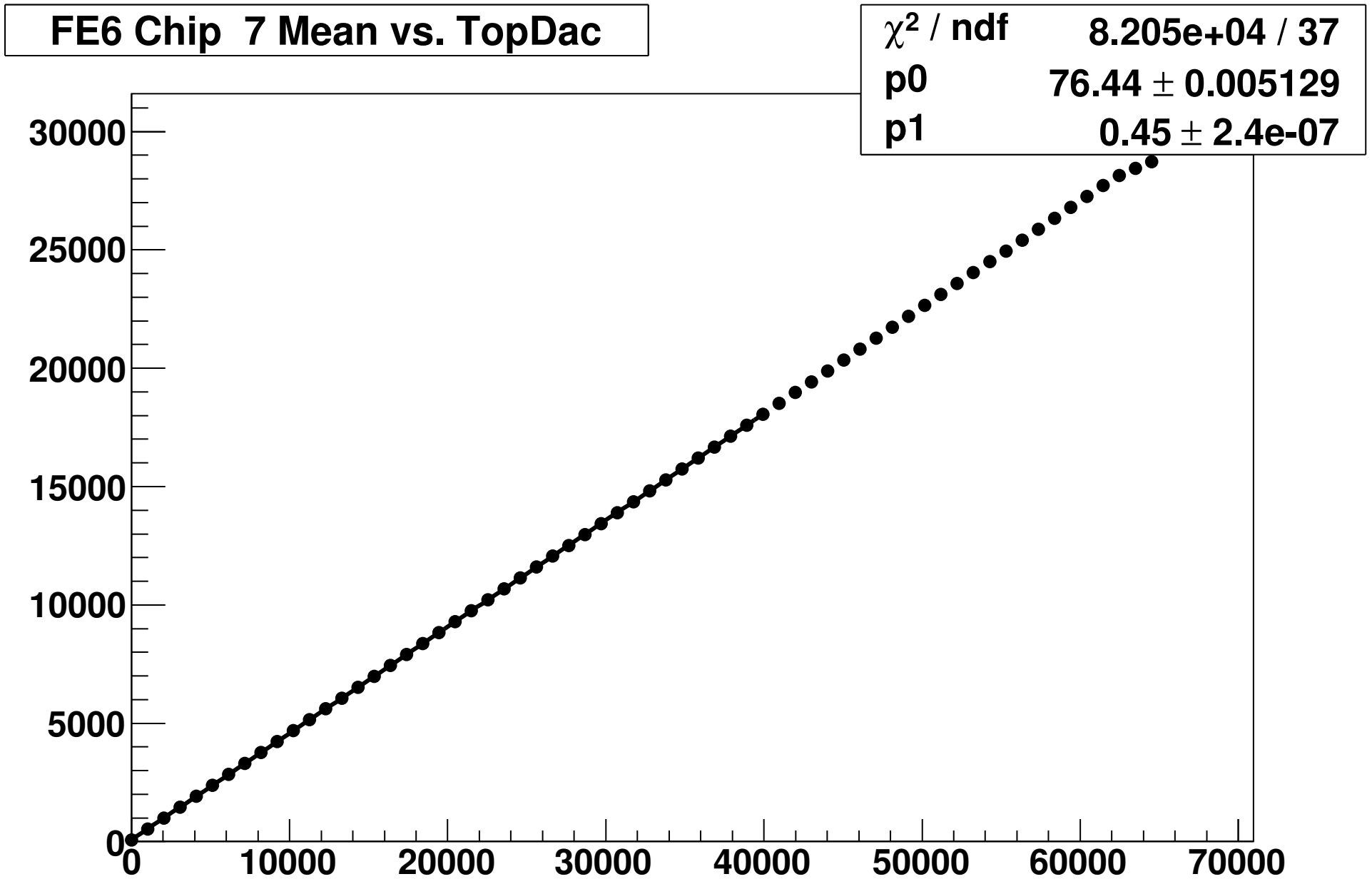
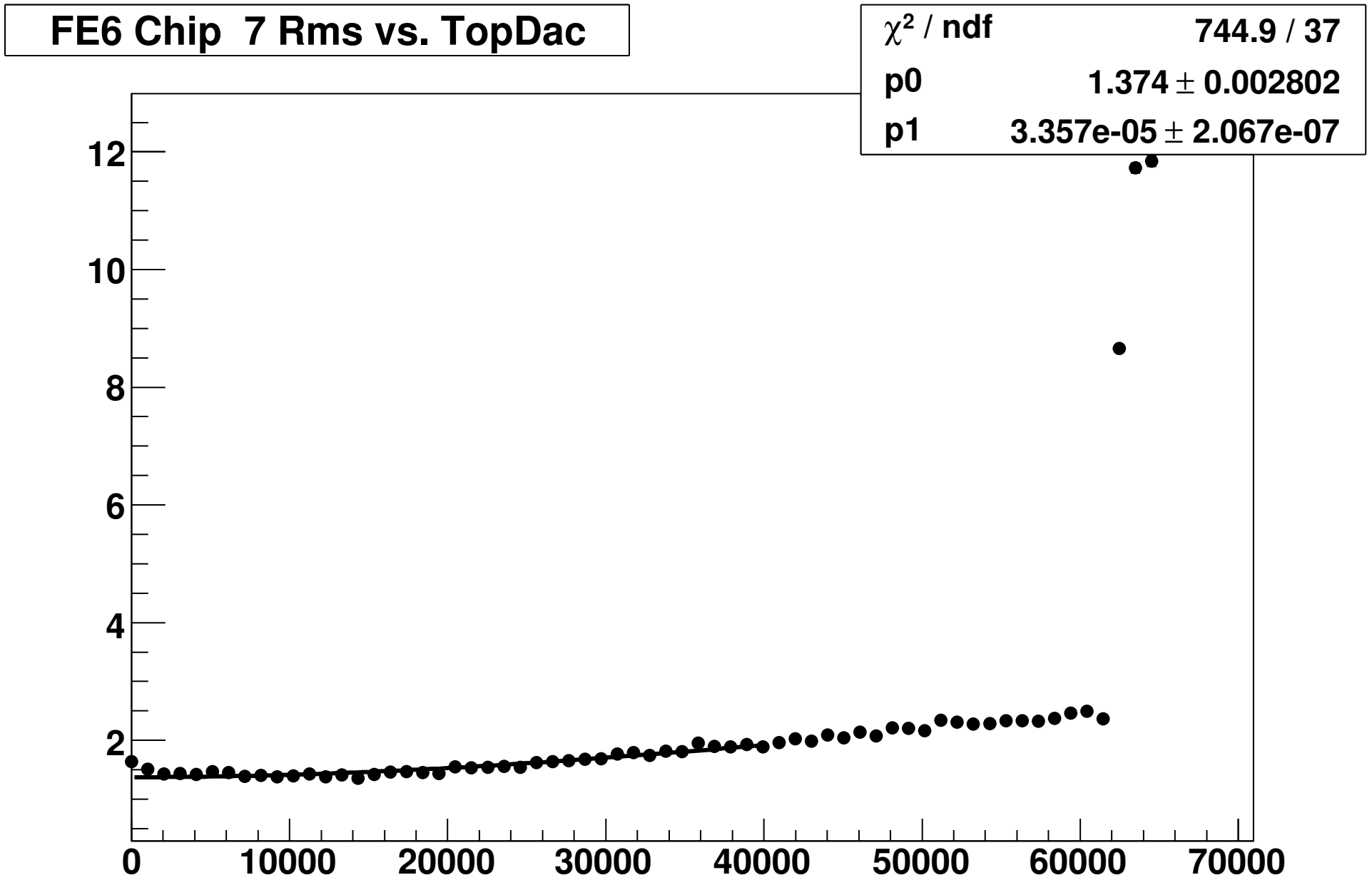
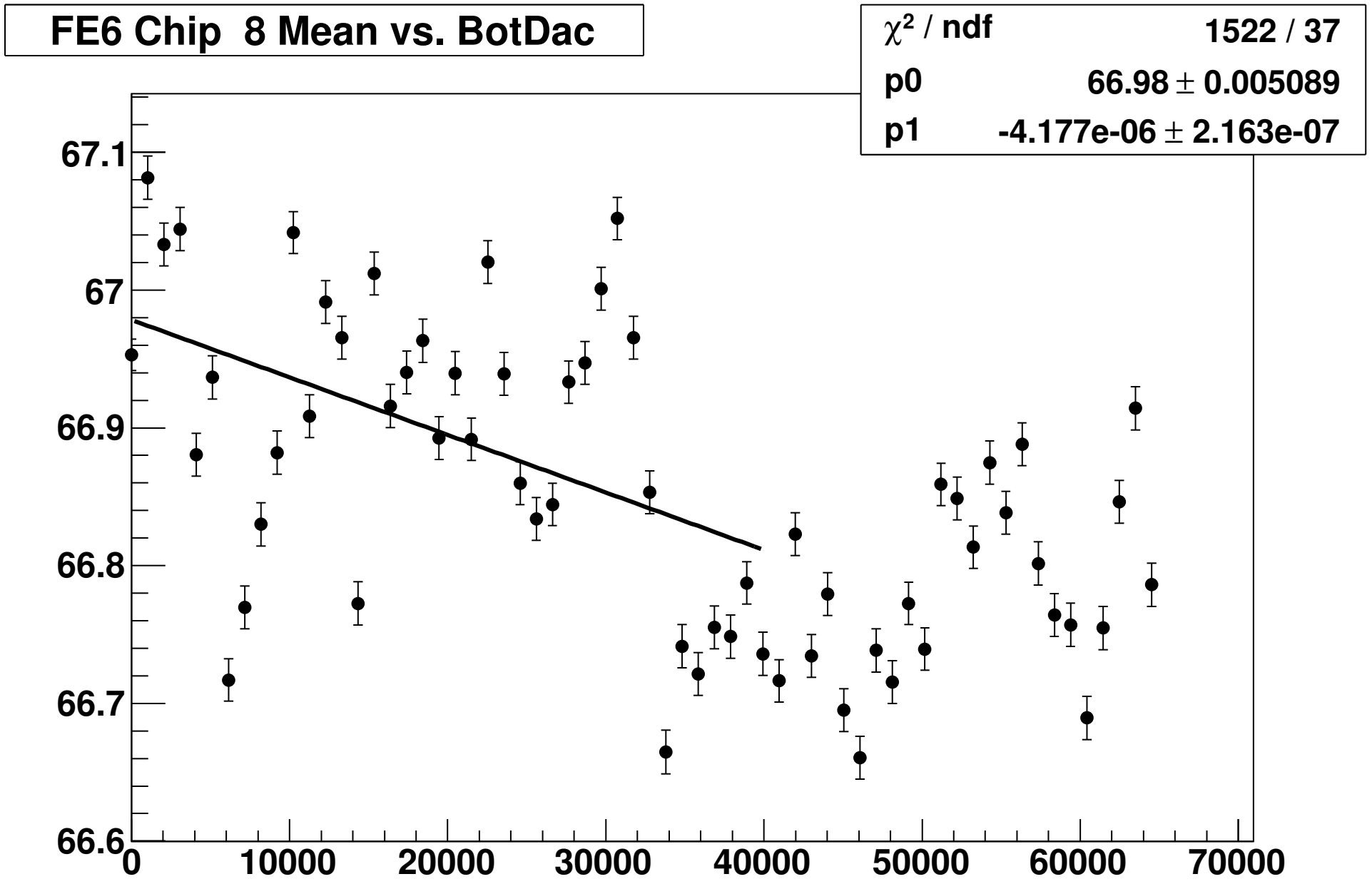
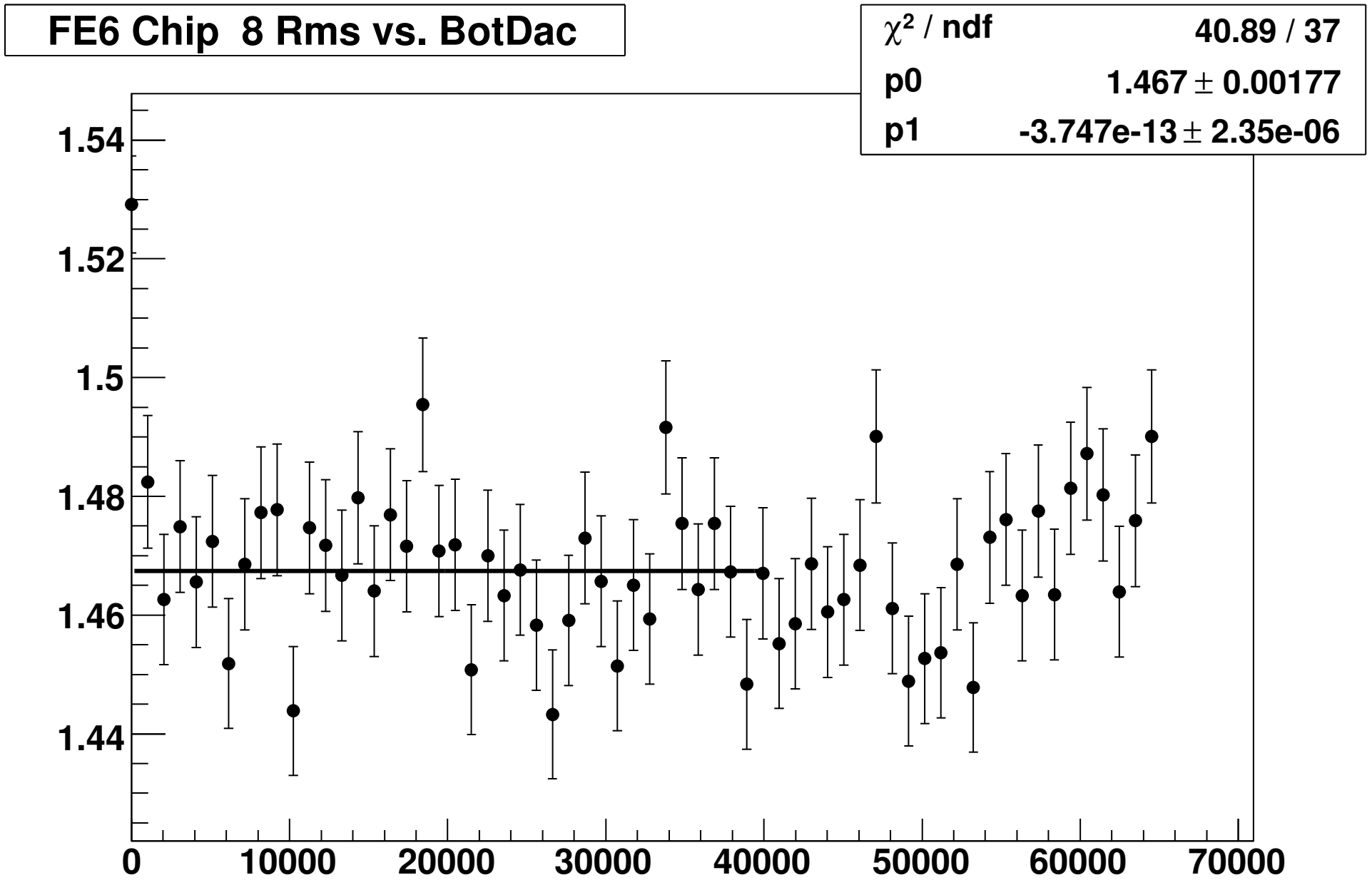
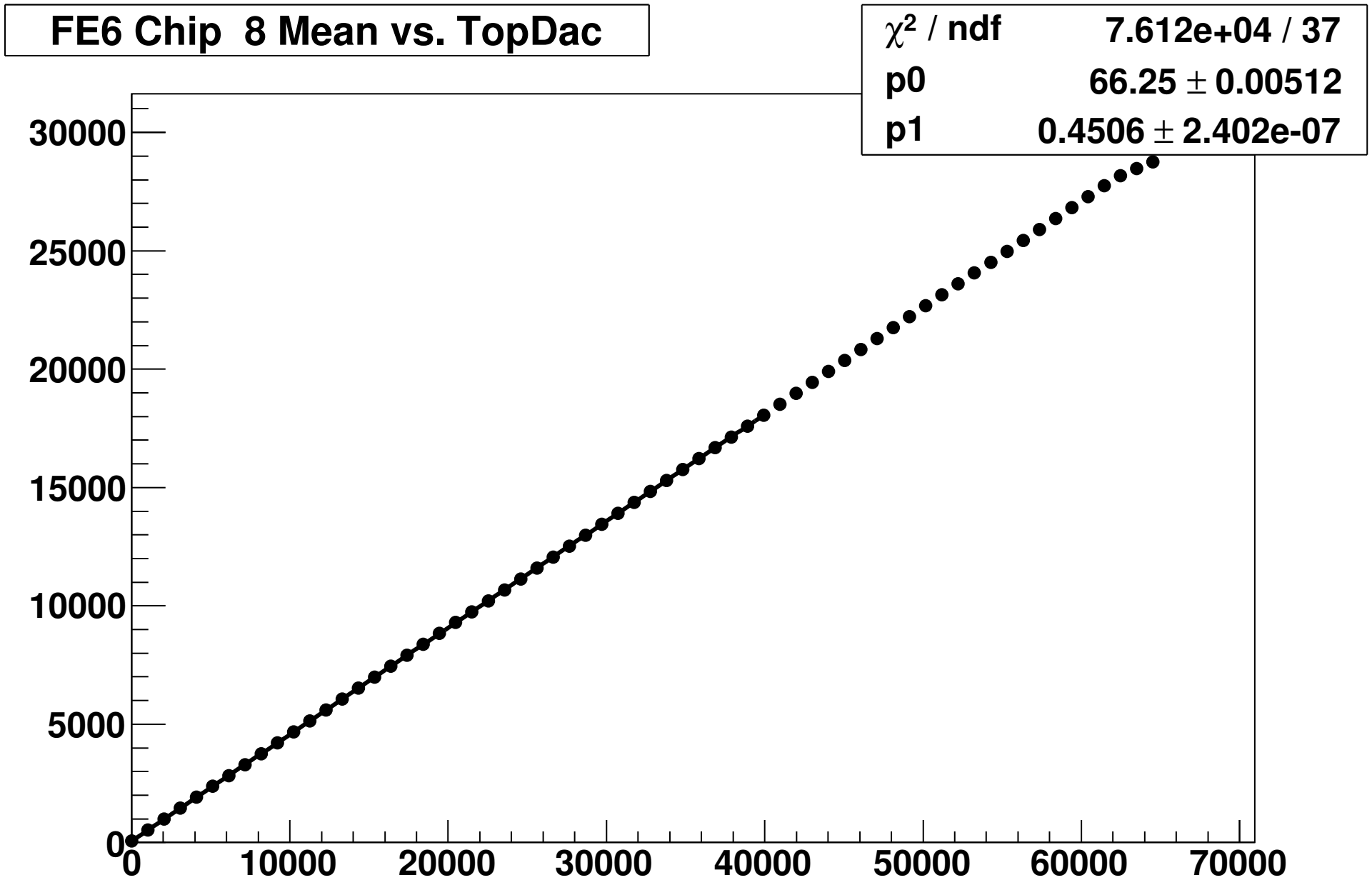
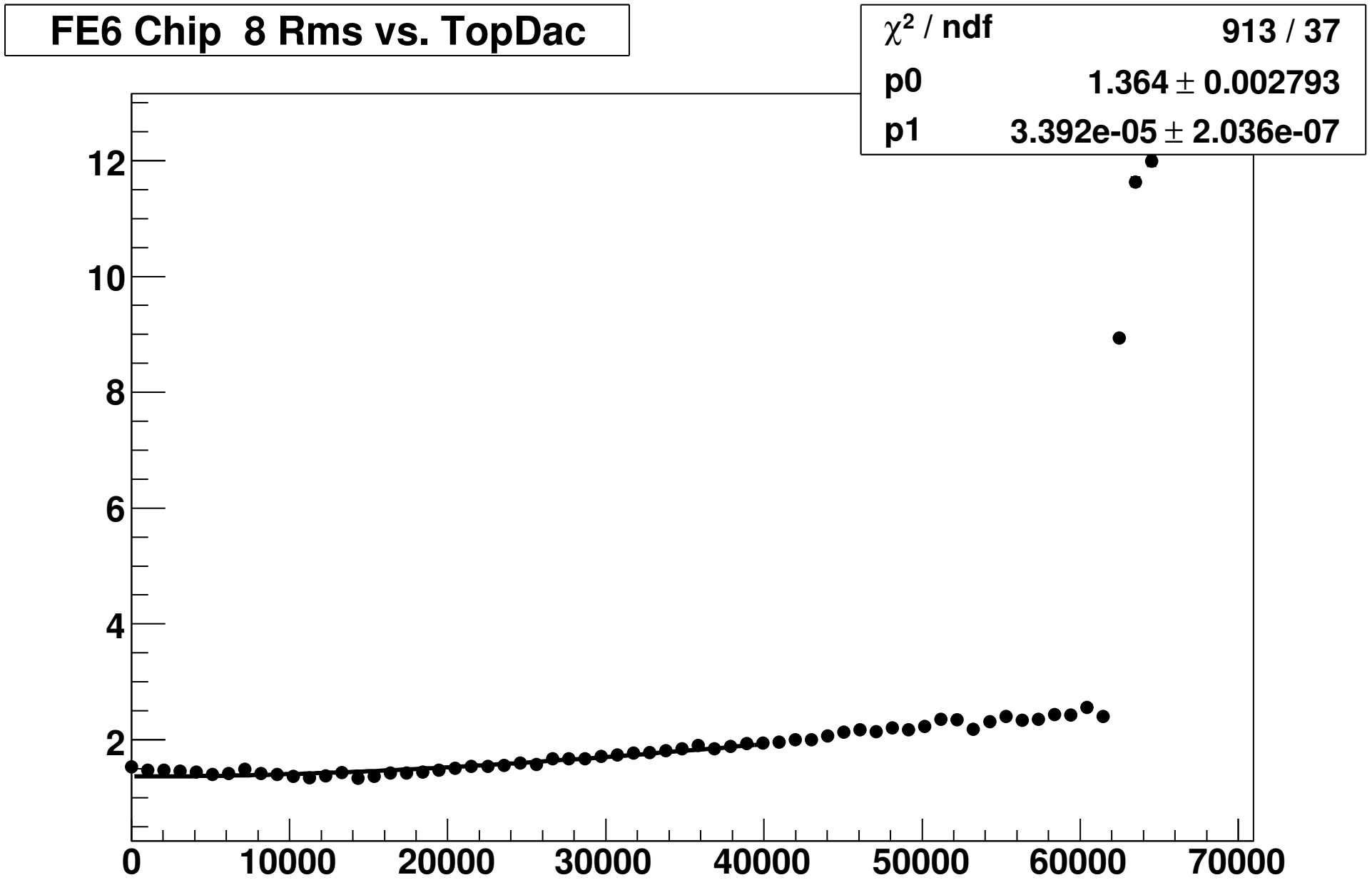

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 8.205e+04 / 37
p0 76.44 ± 0.005129
p1 0.45 ± 2.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

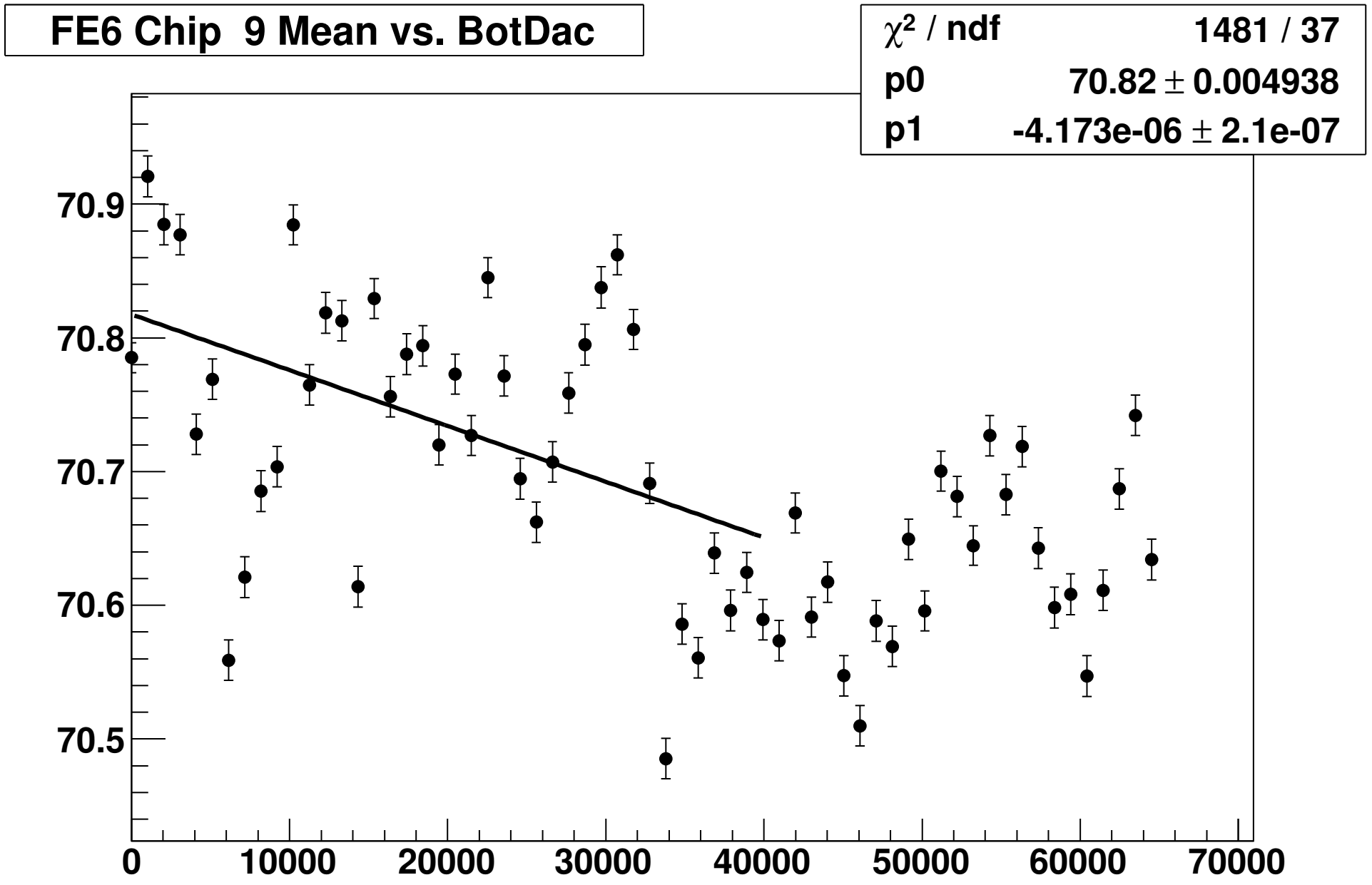

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 744.9 / 37
p0 1.374 ± 0.002802
p1 3.357e-05 ± 2.067e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

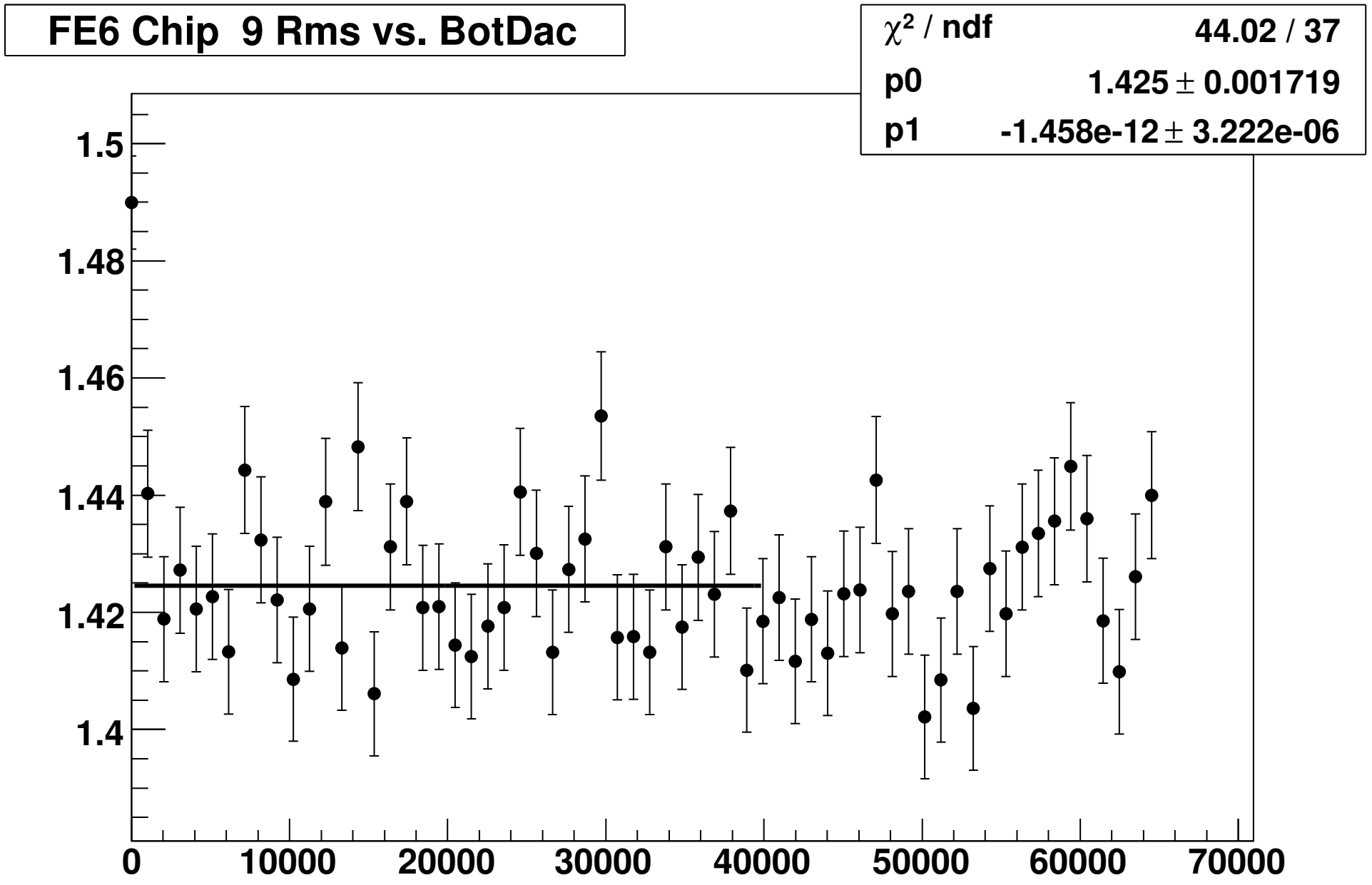

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 1522 / 37
p0 66.98 ± 0.005089
p1 -4.177e-06 ± 2.163e-07
67.1
67
66.9
66.8
66.7
66.6
0
10000
20000
30000
40000
50000
60000
70000

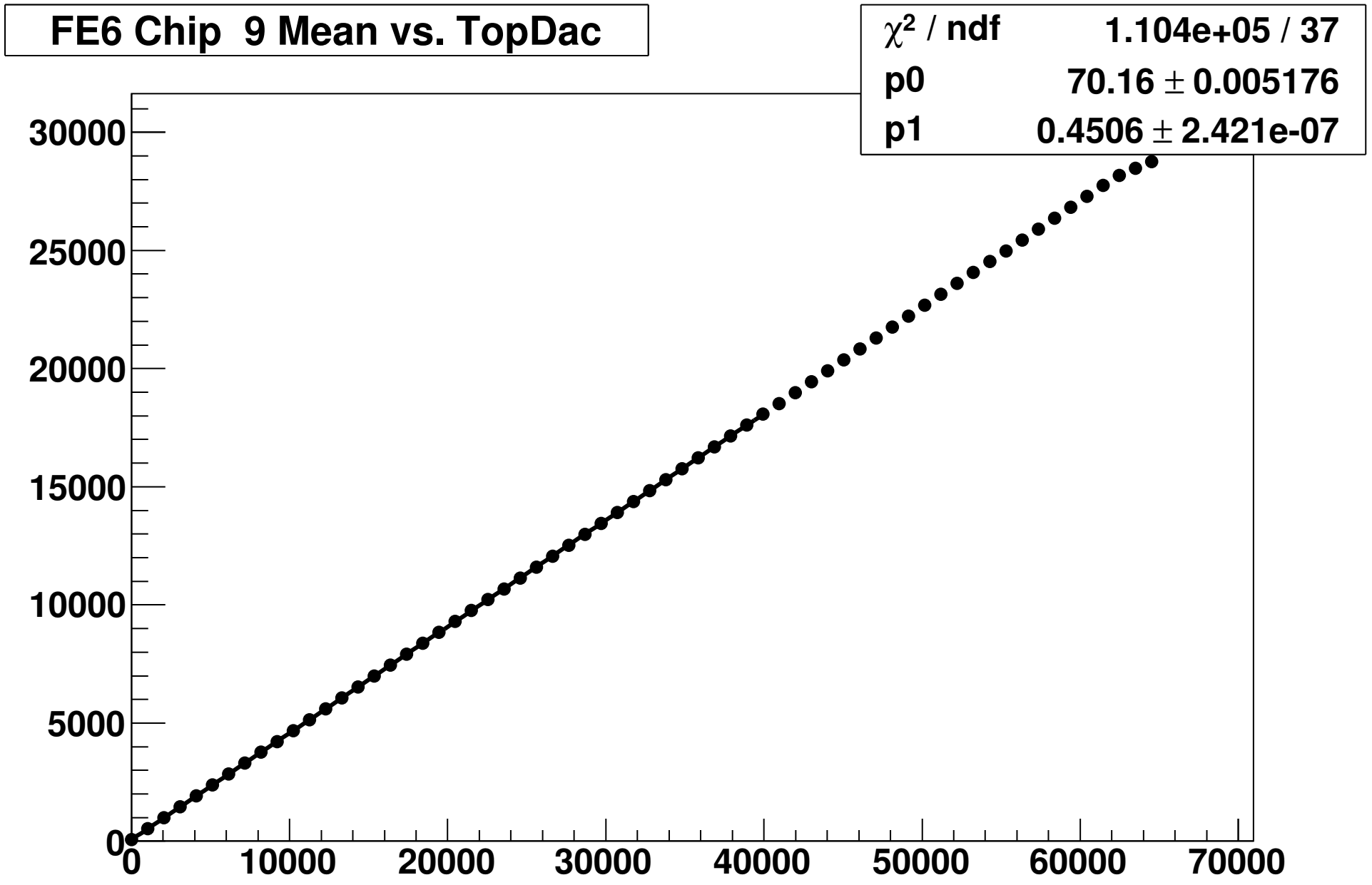

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 40.89 / 37
p0 1.467 ± 0.00177
p1 -3.747e-13 ± 2.35e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

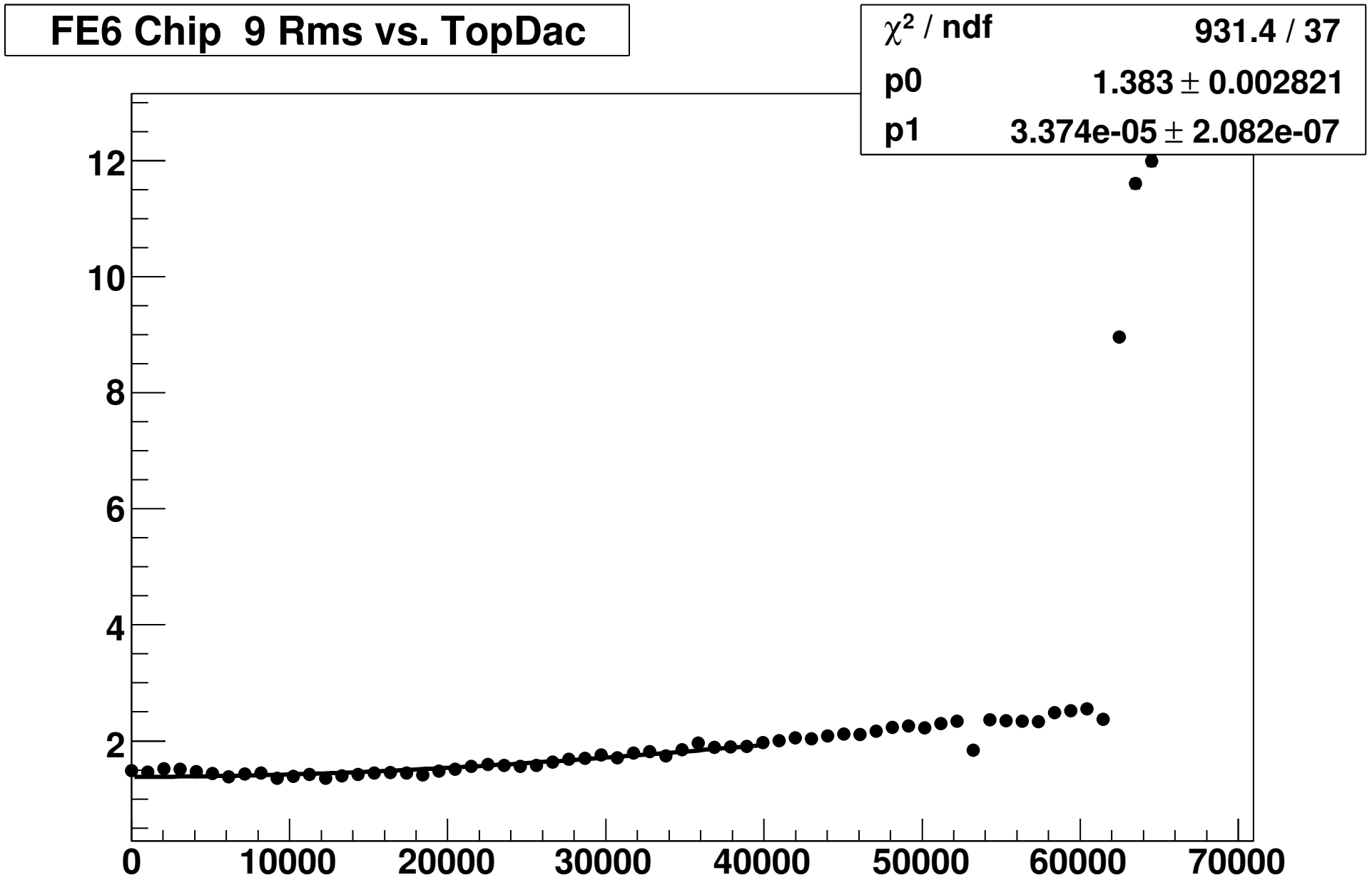

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 7.612e+04 / 37
p0 66.25 ± 0.00512
p1 0.4506 ± 2.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

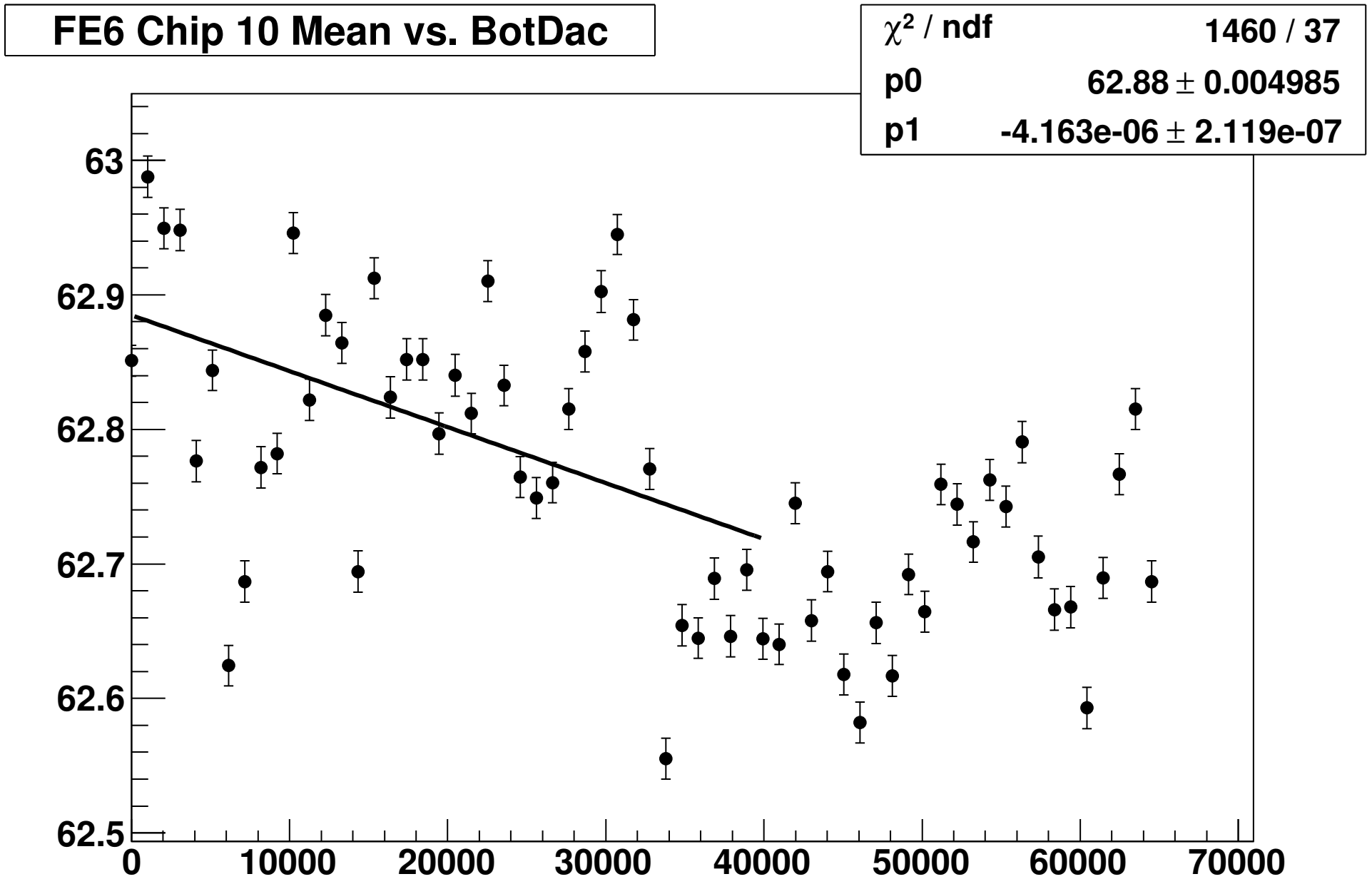

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 913 / 37
p0 1.364 ± 0.002793
p1 3.392e-05 ± 2.036e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

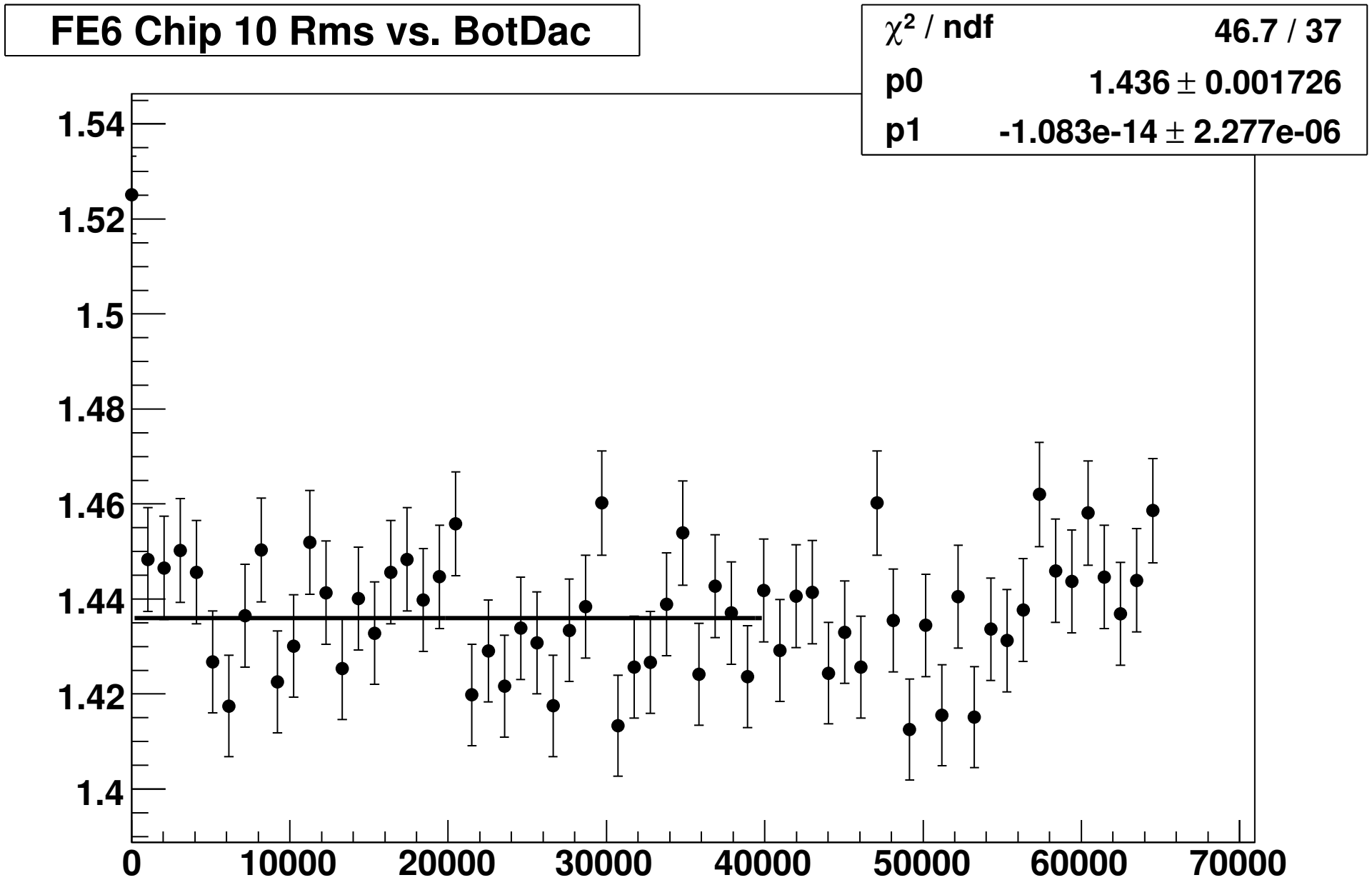

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 1481 / 37
p0 70.82 ± 0.004938
p1 -4.173e-06 ± 2.1e-07
70.9
70.8
70.7
70.6
70.5
0
10000
20000
30000
40000
50000
60000
70000

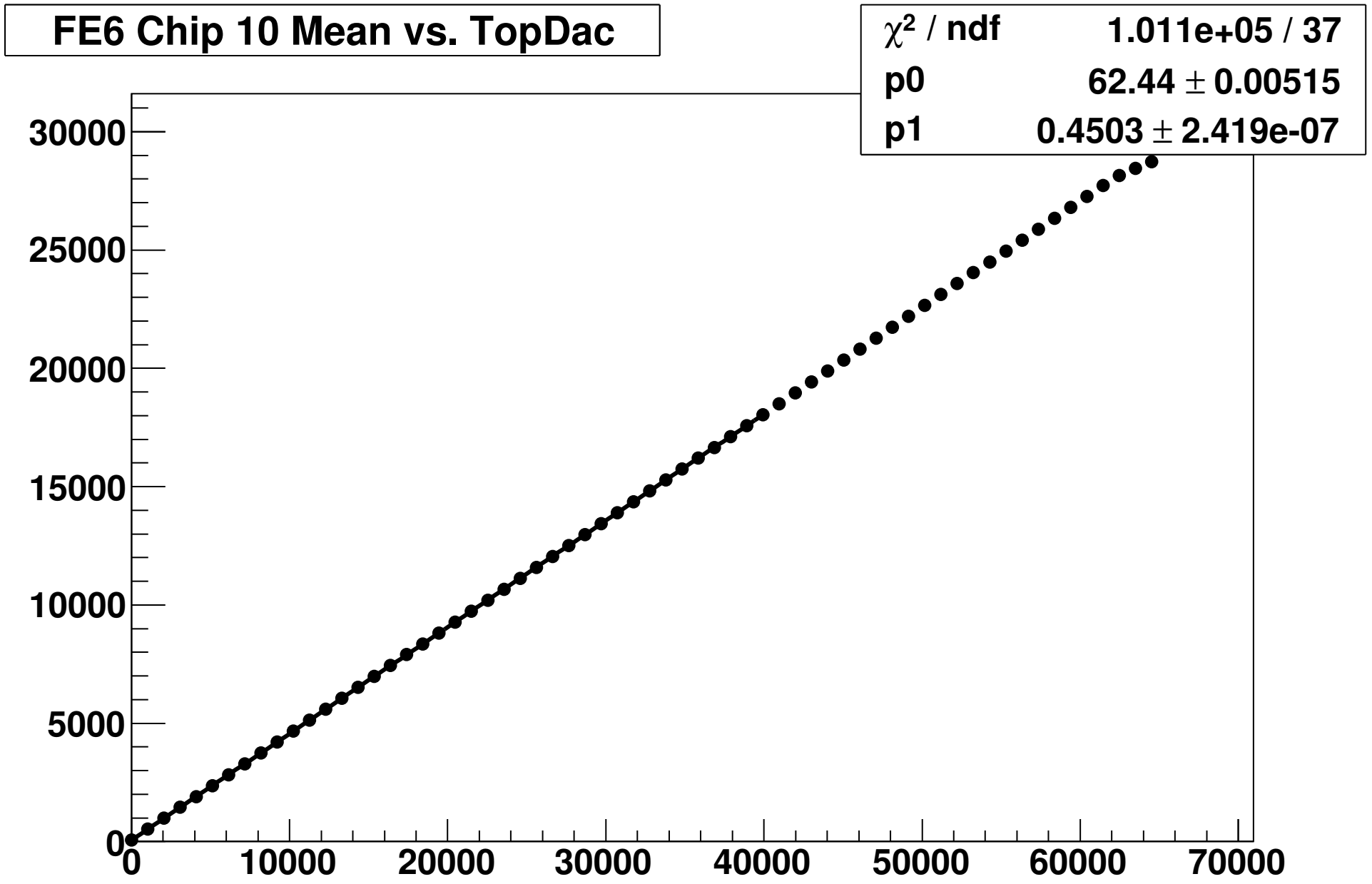

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 44.02 / 37
p0 1.425 ± 0.001719
p1 -1.458e-12 ± 3.222e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.104e+05 / 37
p0 70.16 ± 0.005176
p1 0.4506 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 931.4 / 37
p0 1.383 ± 0.002821
p1 3.374e-05 ± 2.082e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 1460 / 37
p0 62.88 ± 0.004985
p1 -4.163e-06 ± 2.119e-07
63
62.9
62.8
62.7
62.6
62.5
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 46.7 / 37
p0 1.436 ± 0.001726
p1 -1.083e-14 ± 2.277e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.011e+05 / 37
p0 62.44 ± 0.00515
p1 0.4503 ± 2.419e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
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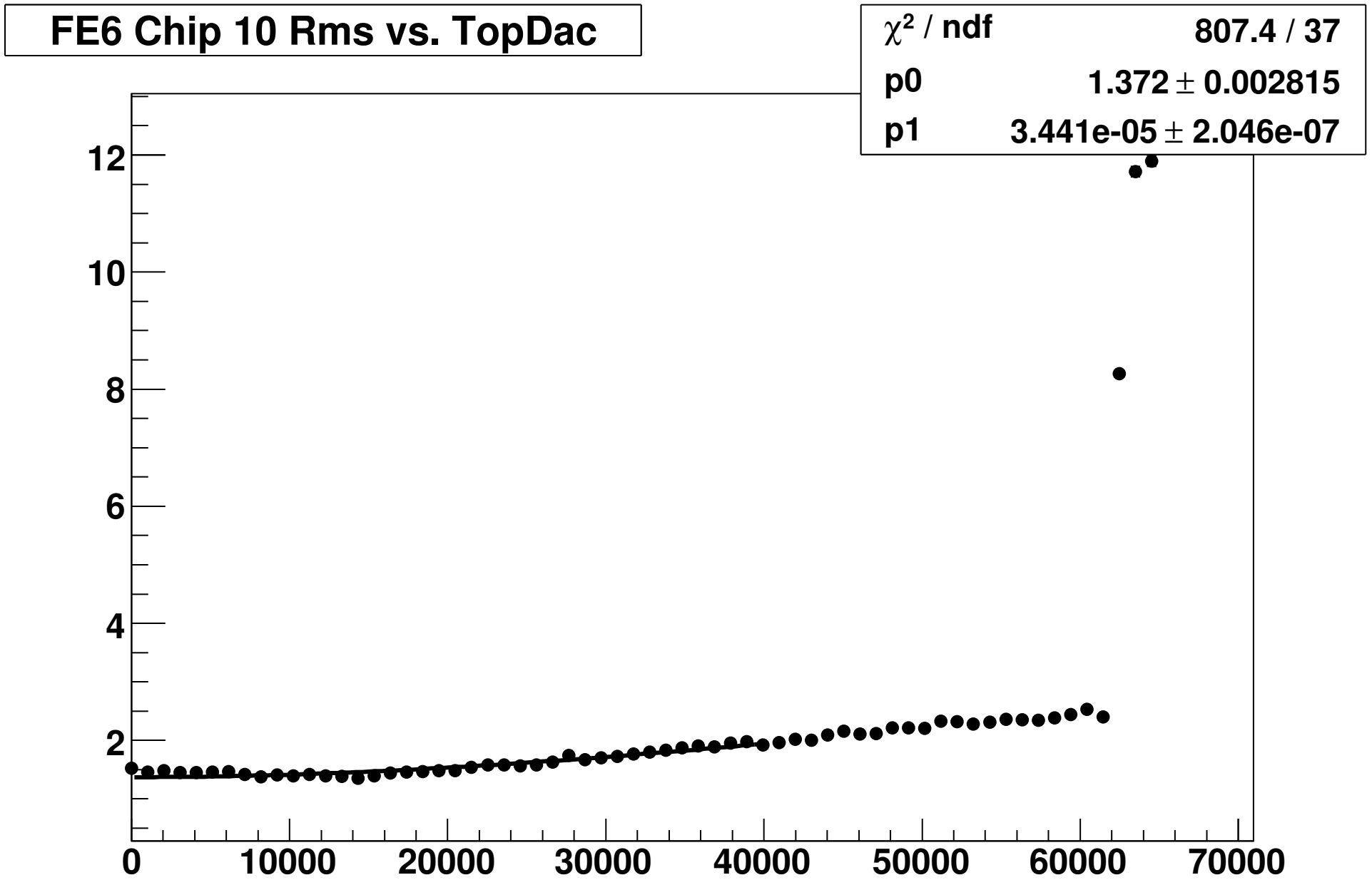
FE6 Chip 10 Rms vs. TopDac
χ² / ndf 807.4 / 37
p0 1.372 ± 0.002815
p1 3.441e-05 ± 2.046e-07
12
10
8
6
4
2
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60000
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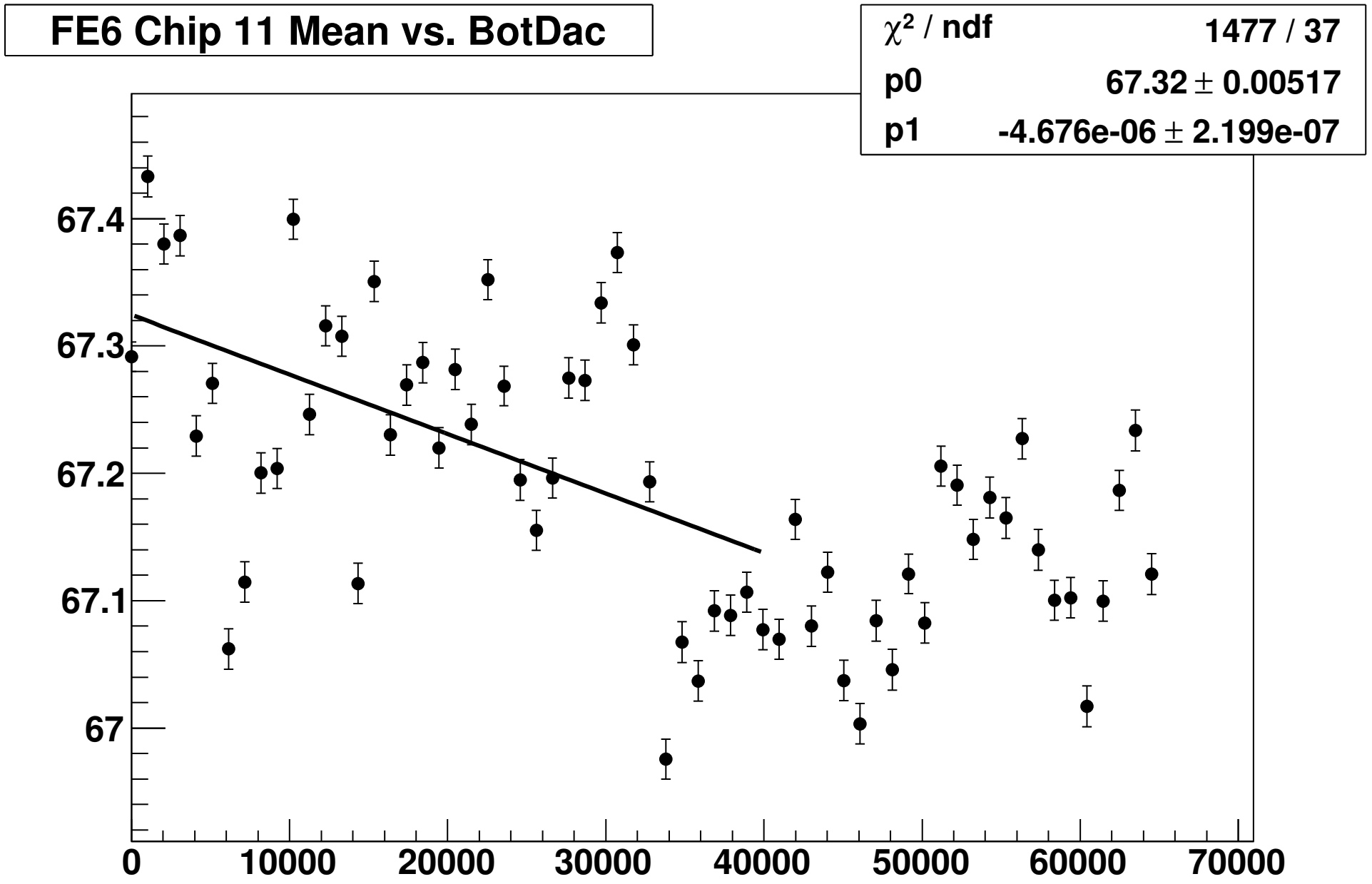
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 1477 / 37
p0 67.32 ± 0.00517
p1 -4.676e-06 ± 2.199e-07
67.4
67.3
67.2
67.1
67
0
10000
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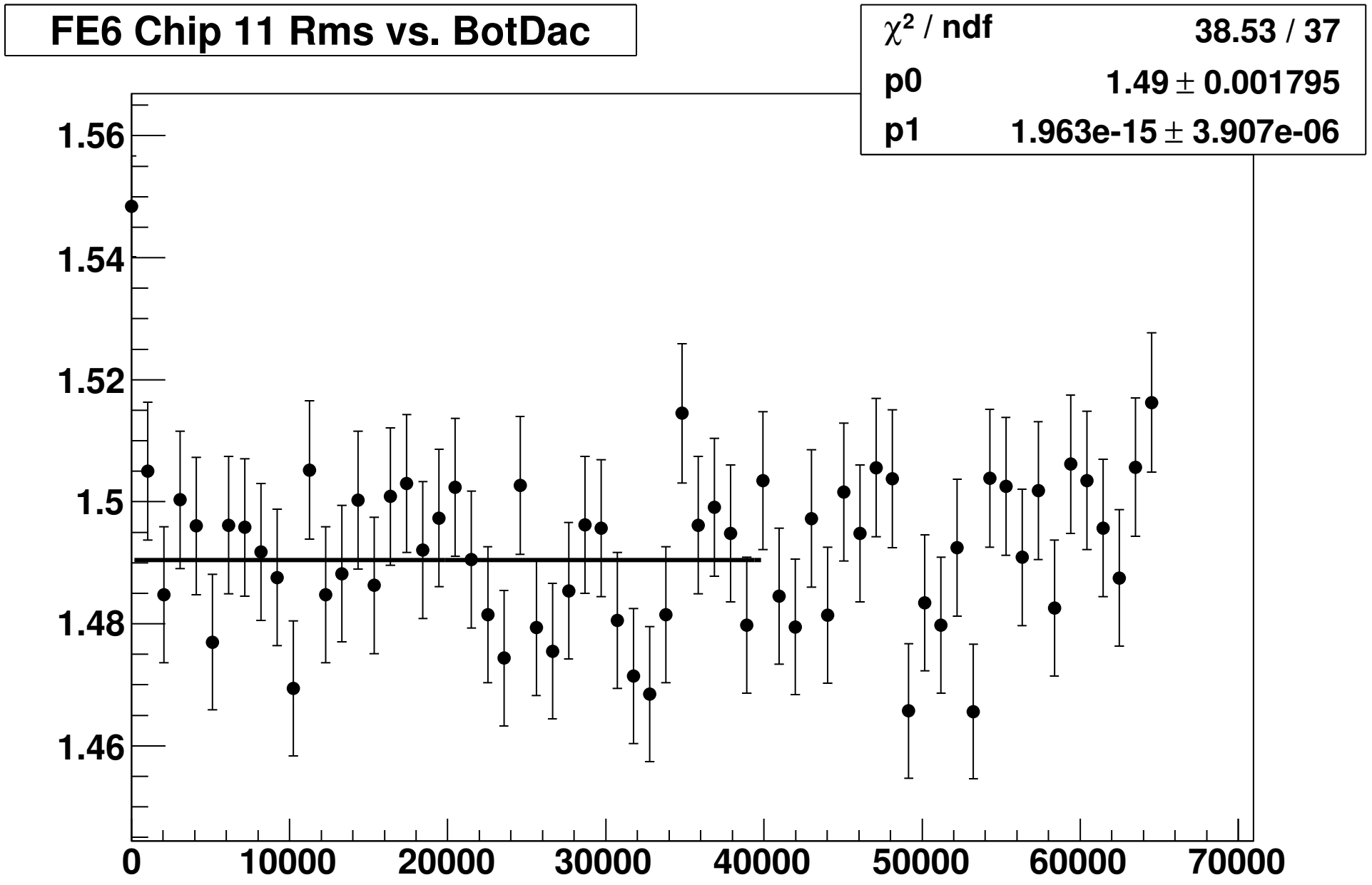
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 38.53 / 37
p0 1.49 ± 0.001795
p1 1.963e-15 ± 3.907e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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60000
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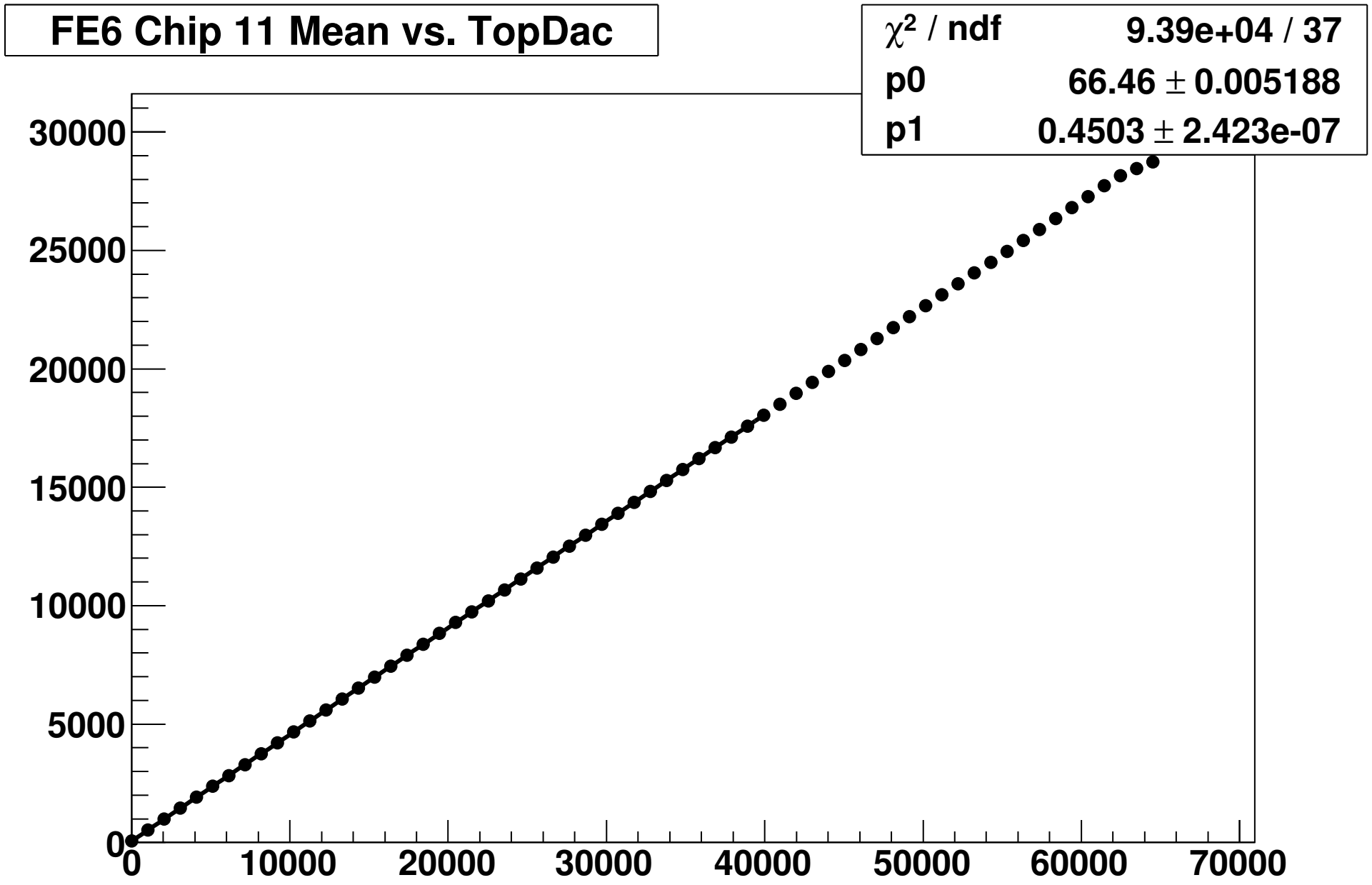
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 9.39e+04 / 37
p0 66.46 ± 0.005188
p1 0.4503 ± 2.423e-07
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25000
20000
15000
10000
5000
0
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10000
20000
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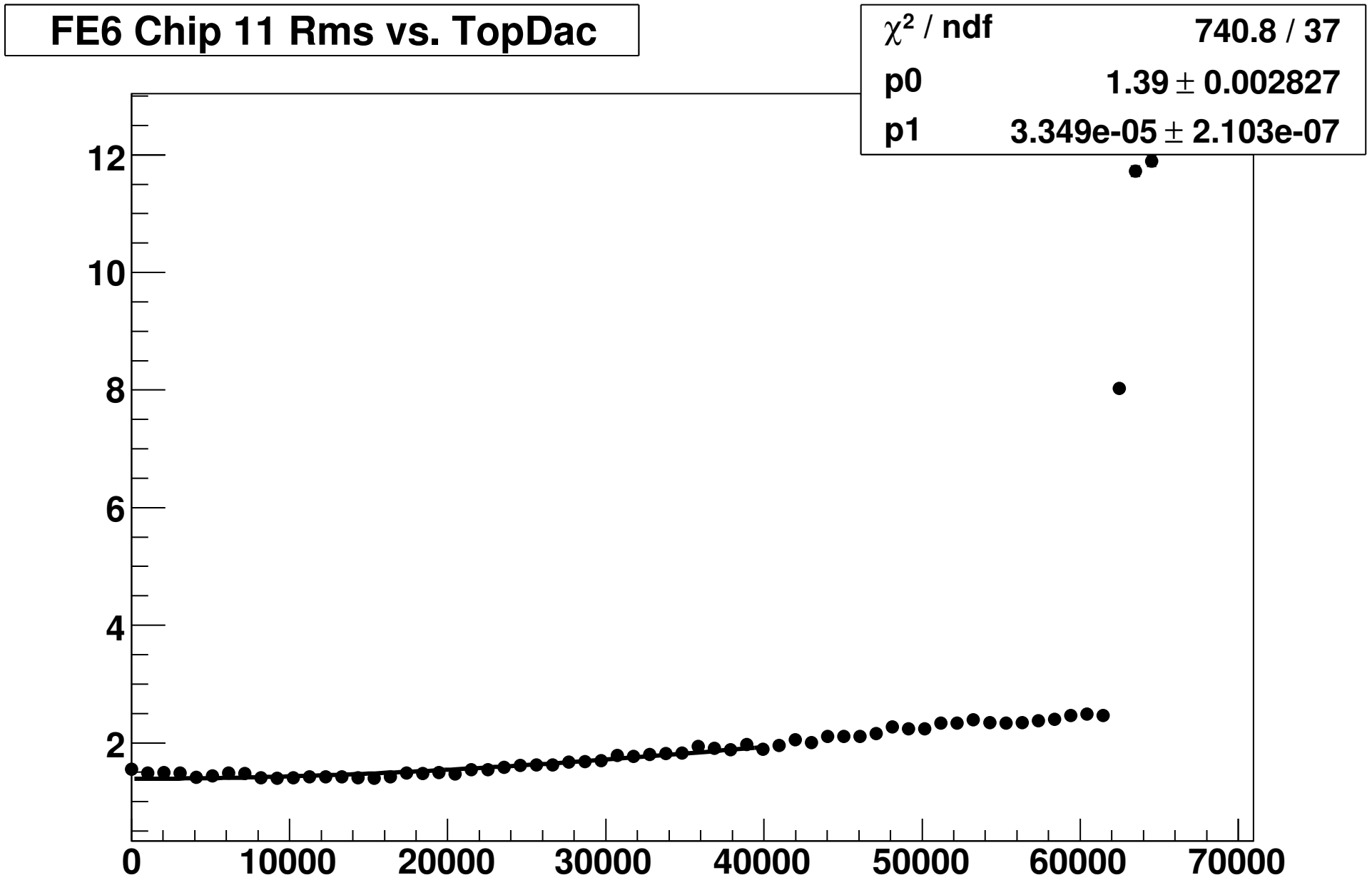
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 740.8 / 37
p0 1.39 ± 0.002827
p1 3.349e-05 ± 2.103e-07
12
10
8
6
4
2
0
10000
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30000
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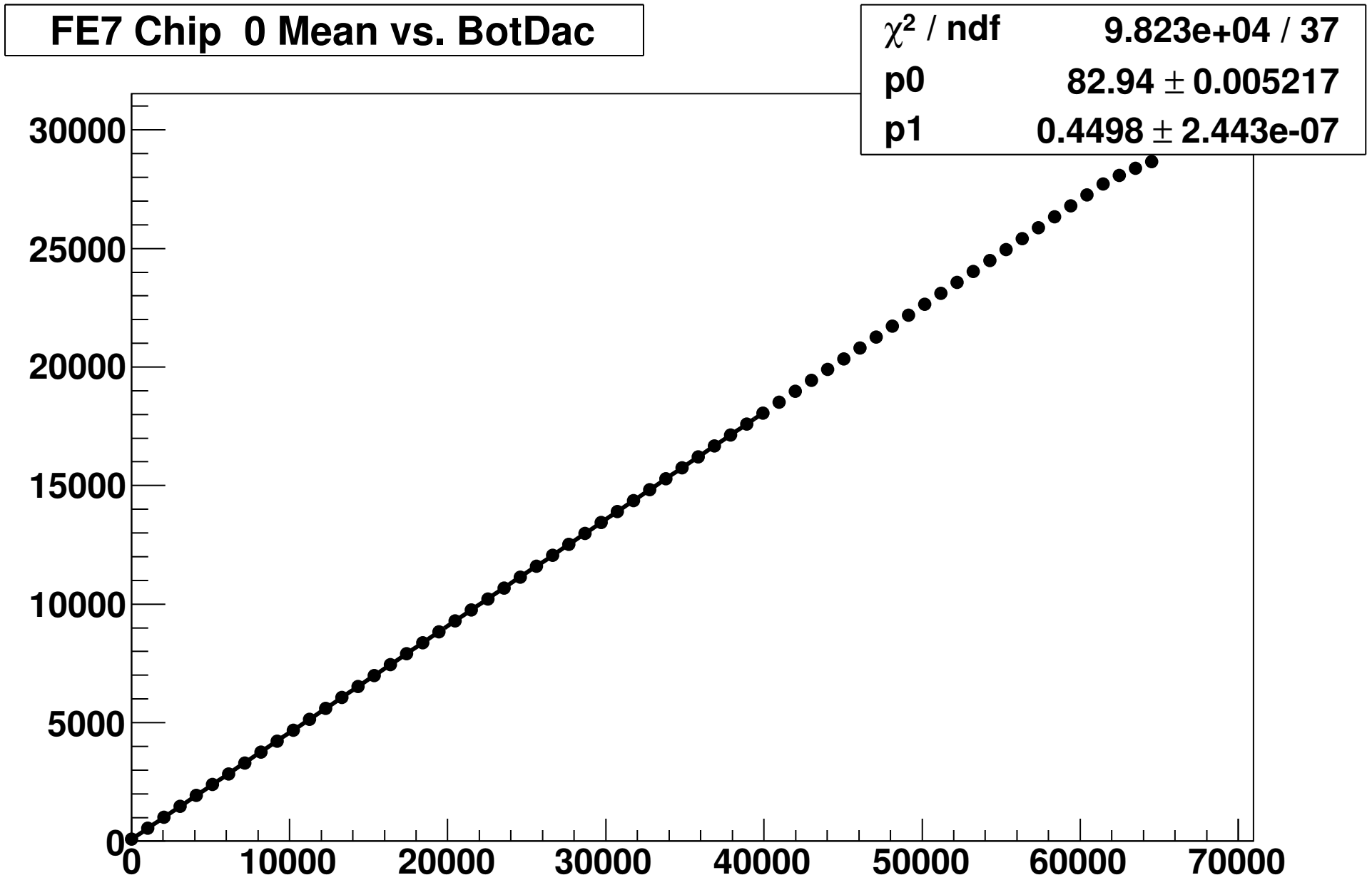
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 9.823e+04 / 37
p0 82.94 ± 0.005217
p1 0.4498 ± 2.443e-07
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25000
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15000
10000
5000
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0
10000
20000
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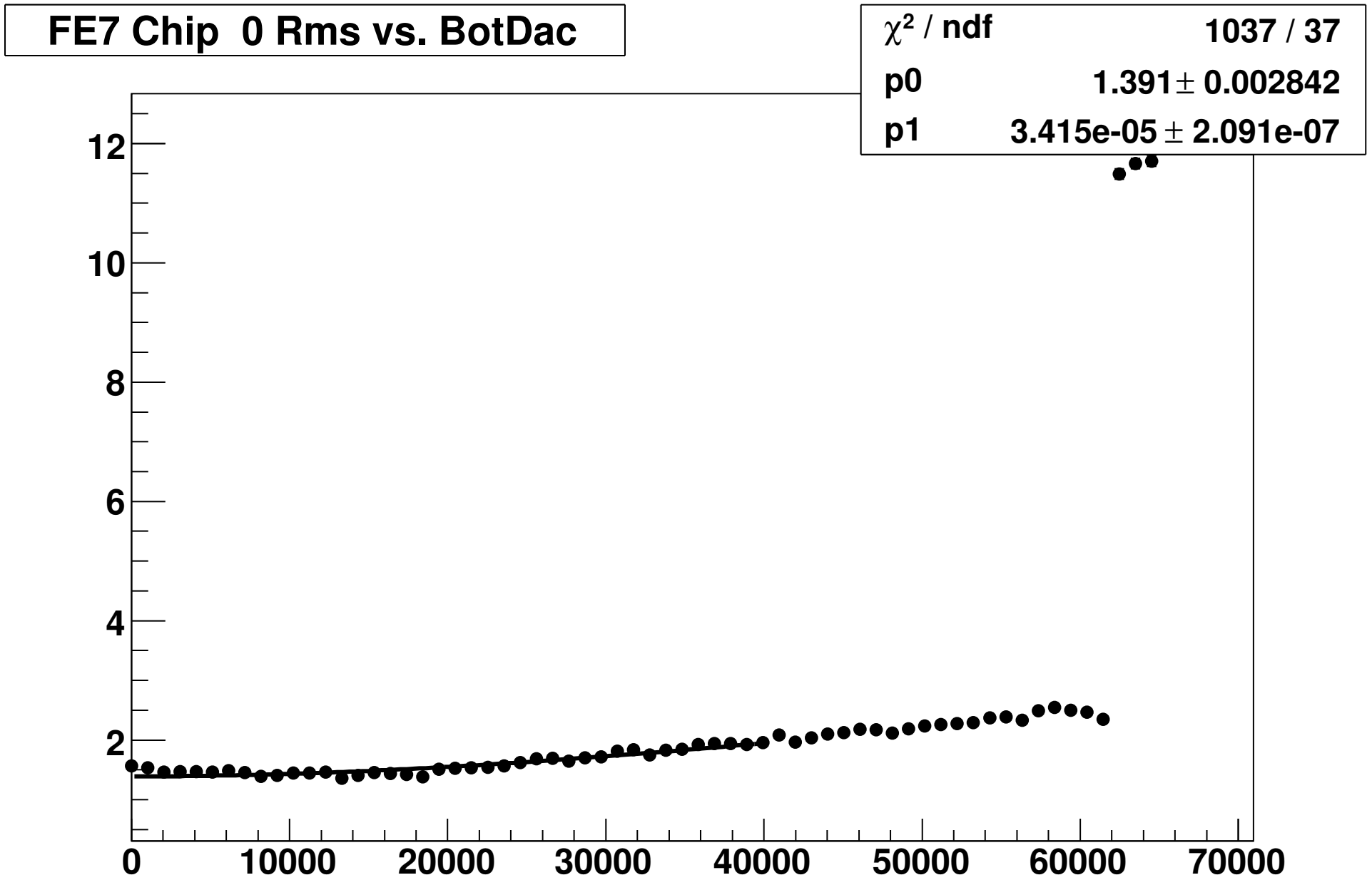
FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1037 / 37
p0 1.391 ± 0.002842
p1 3.415e-05 ± 2.091e-07
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10
8
6
4
2
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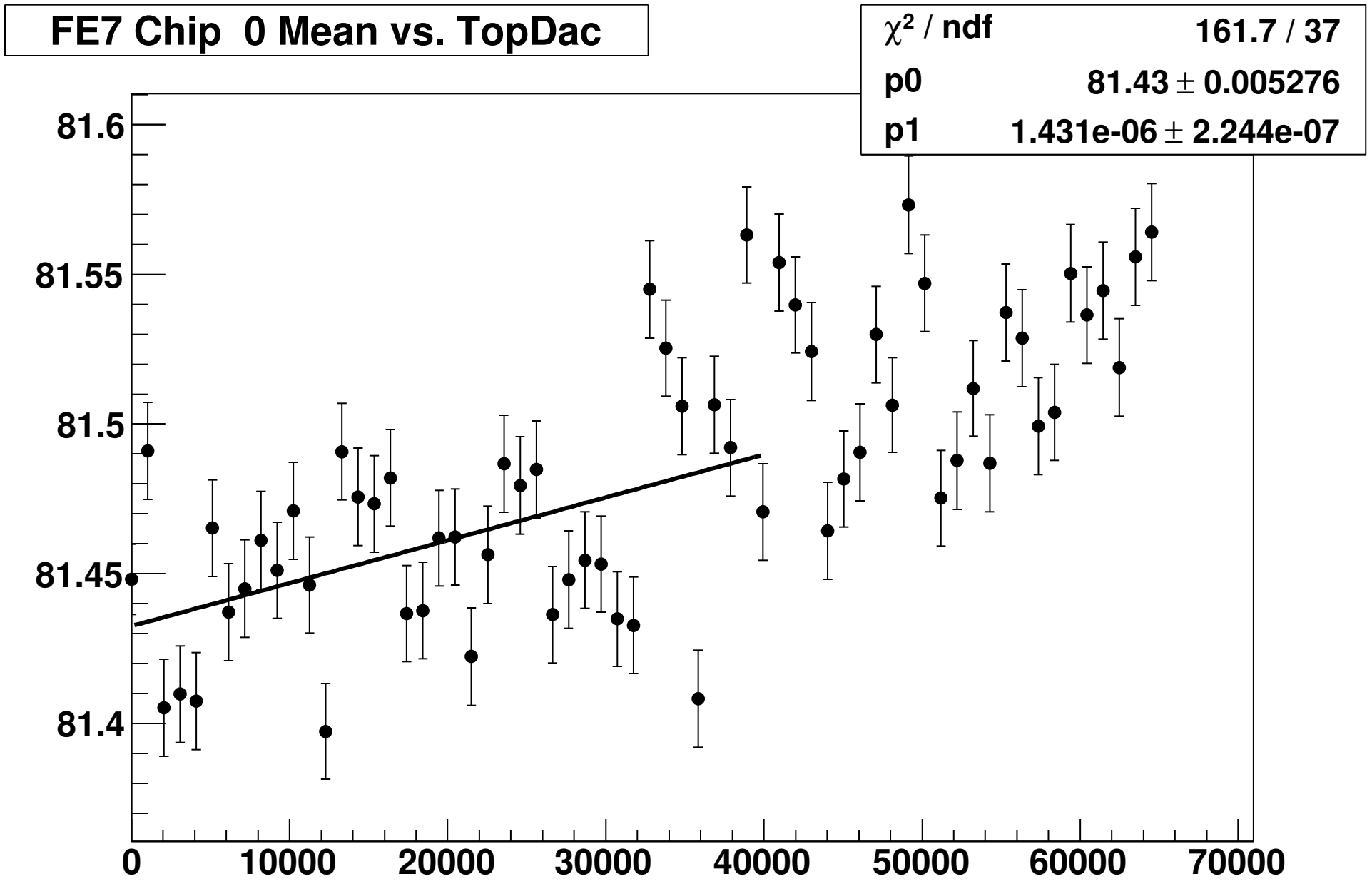
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 161.7 / 37
p0 81.43 ± 0.005276
p1 1.431e-06 ± 2.244e-07
81.6
81.55
81.5
81.45
81.4
0
10000
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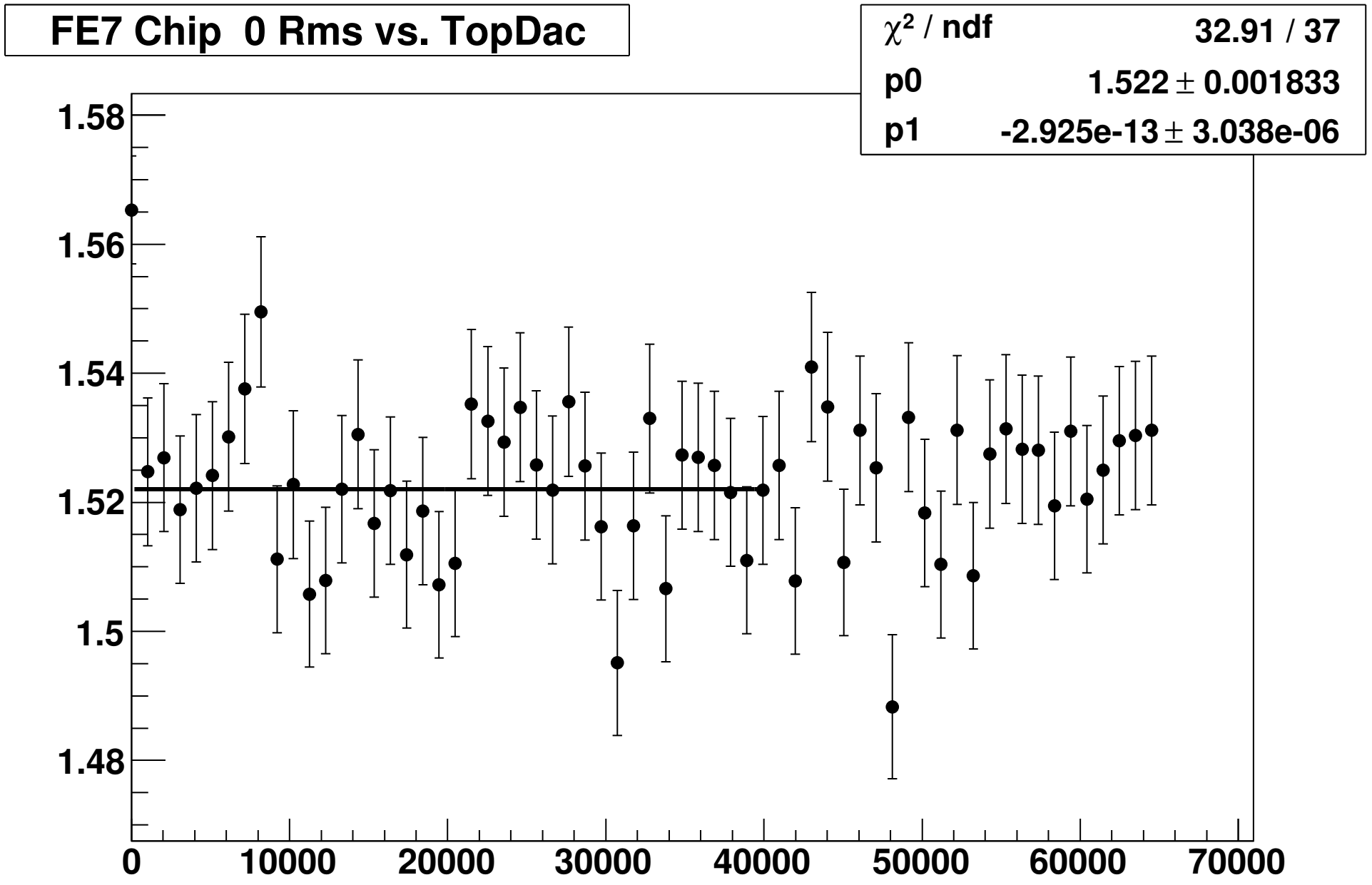
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 32.91 / 37
p0 1.522 ± 0.001833
p1 -2.925e-13 ± 3.038e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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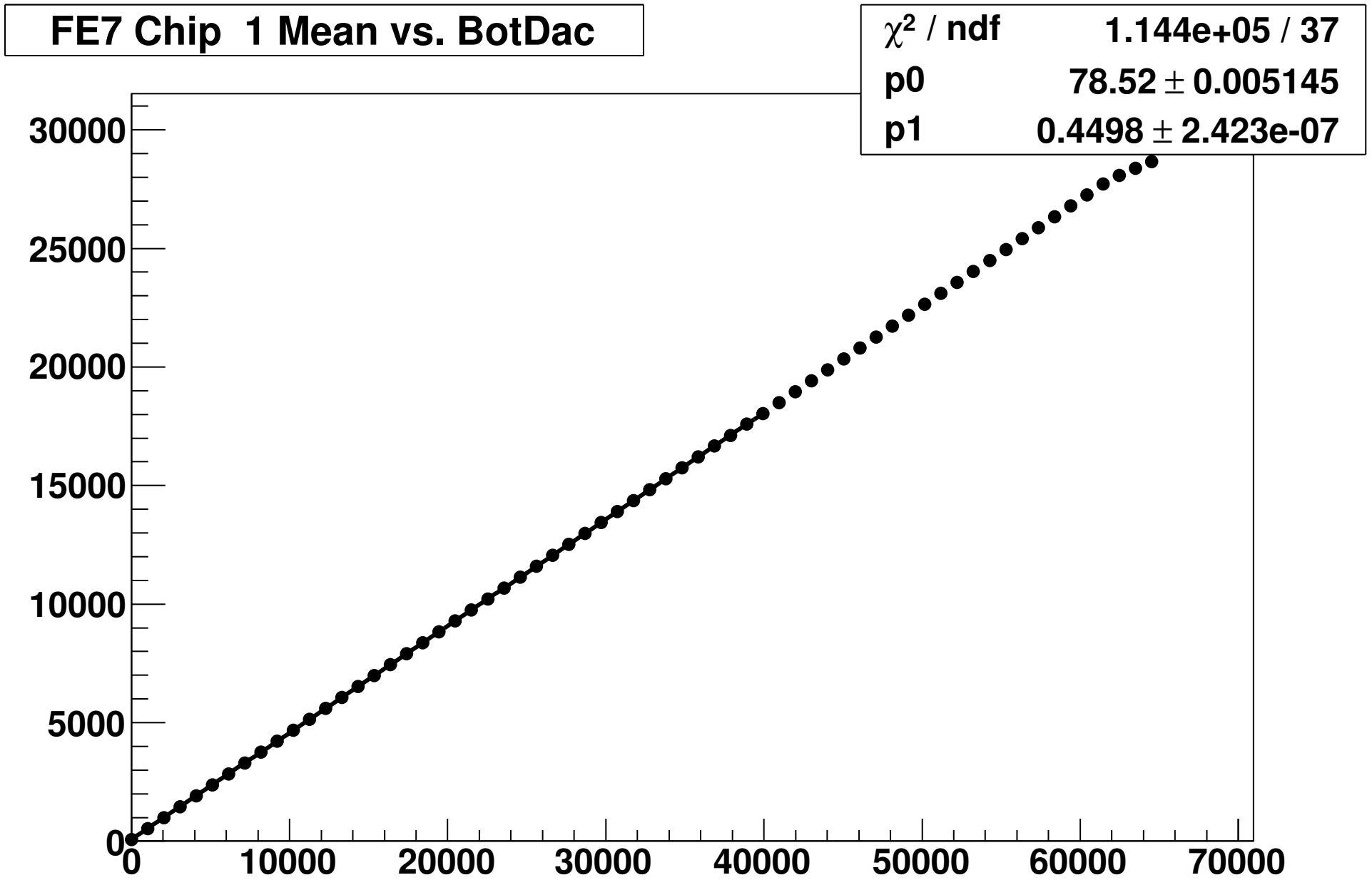
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.144e+05 / 37
p0 78.52 ± 0.005145
p1 0.4498 ± 2.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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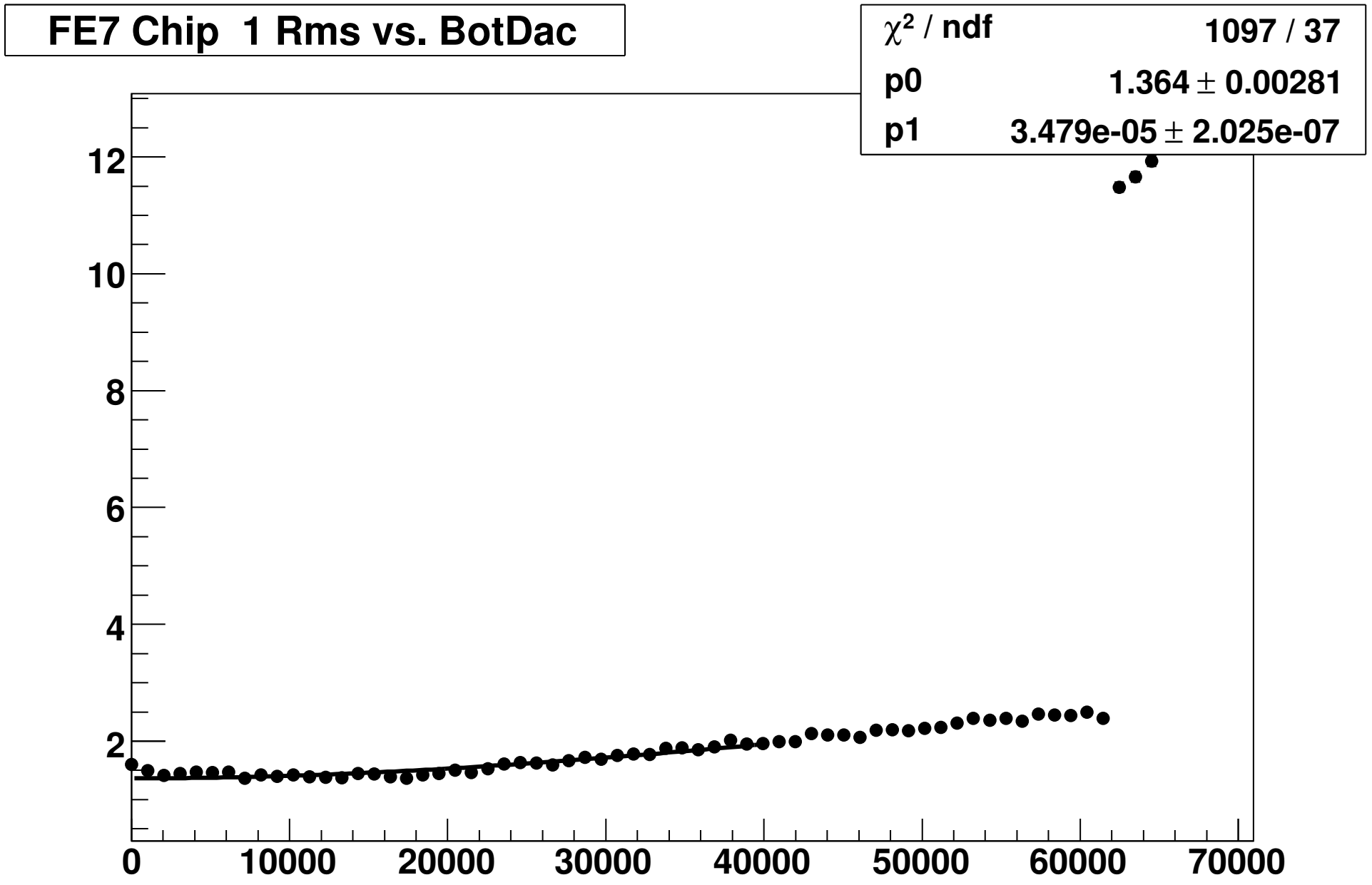
FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1097 / 37
p0 1.364 ± 0.00281
p1 3.479e-05 ± 2.025e-07
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10
8
6
4
2
0
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20000
30000
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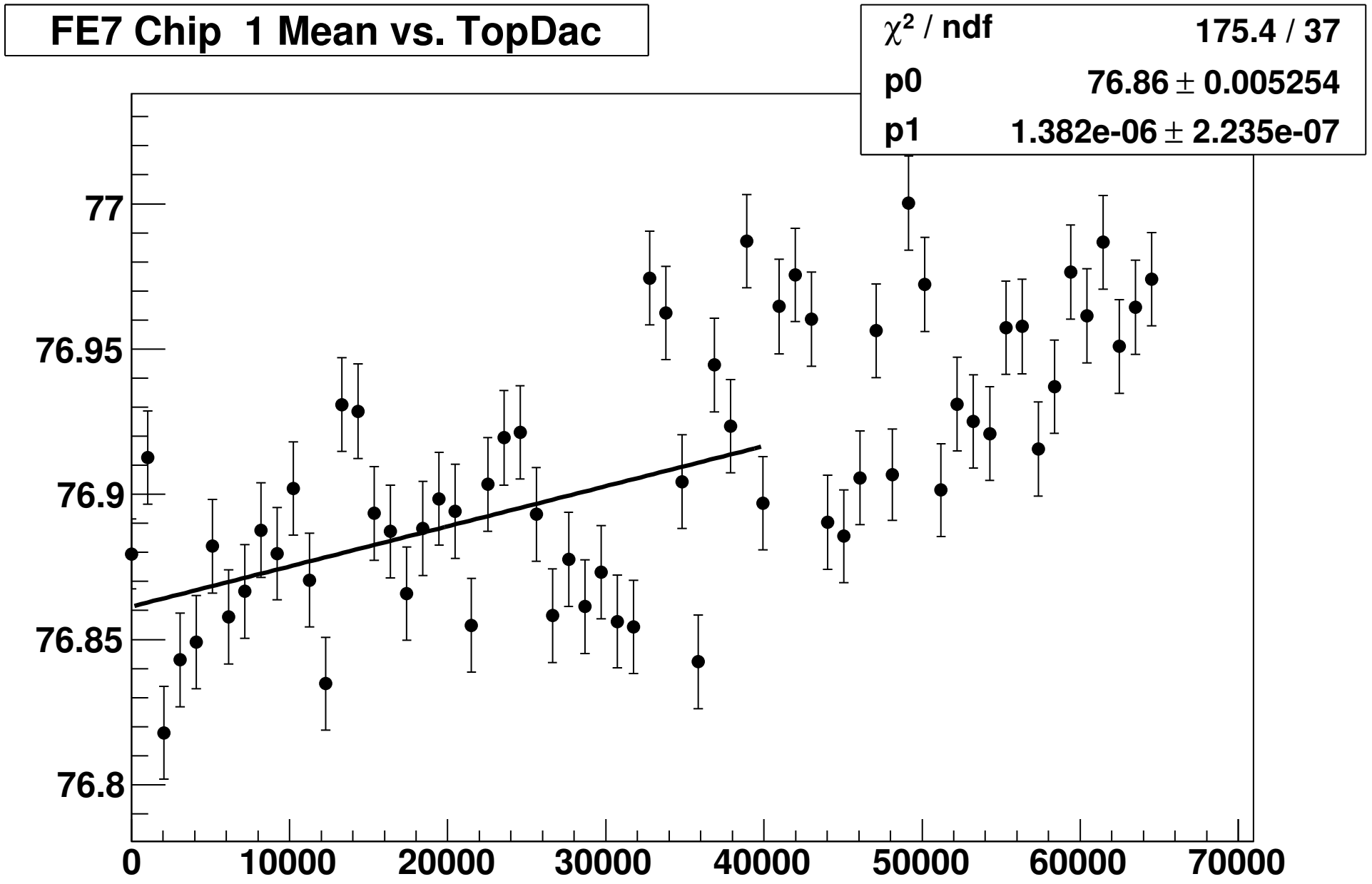
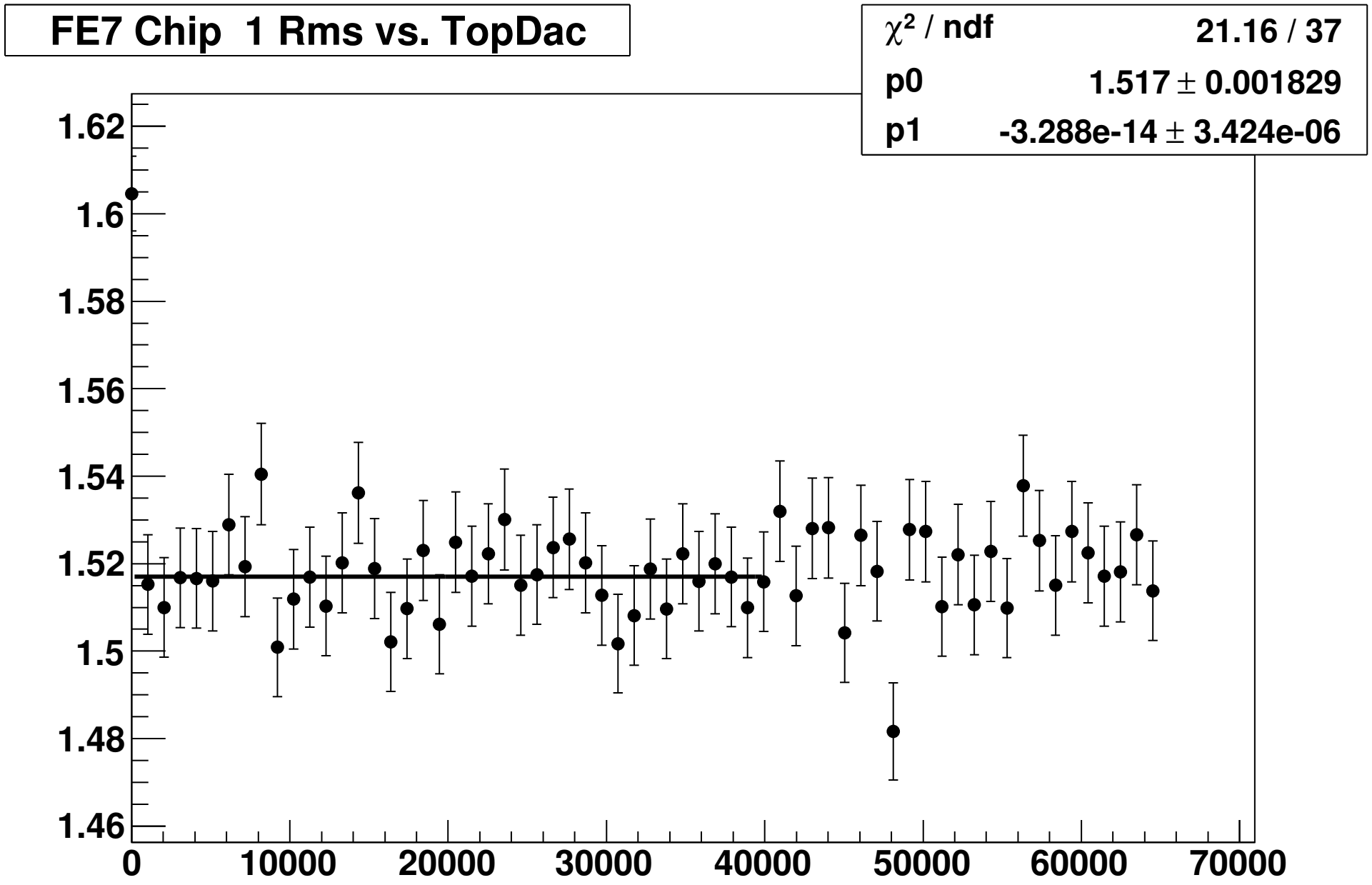
50000
60000
70000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 175.4 / 37
p0 76.86 ± 0.005254
p1 1.382e-06 ± 2.235e-07
77
76.95
76.9
76.85
76.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 21.16 / 37
p0 1.517 ± 0.001829
p1 -3.288e-14 ± 3.424e-06
1.62
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
60000
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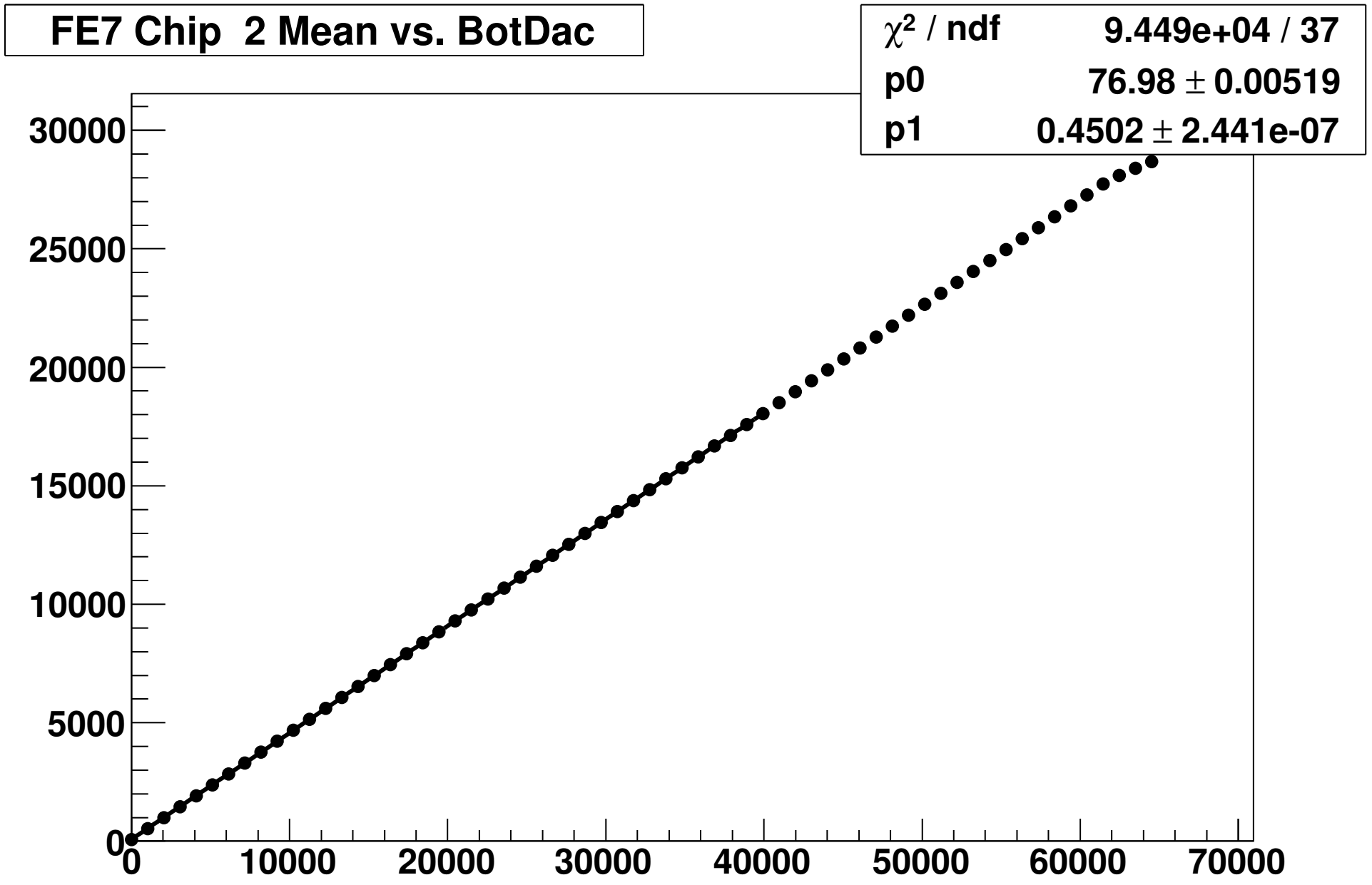
FE7 Chip 2 Mean vs. BotDac
χ² / ndf 9.449e+04 / 37
p0 76.98 ± 0.00519
p1 0.4502 ± 2.441e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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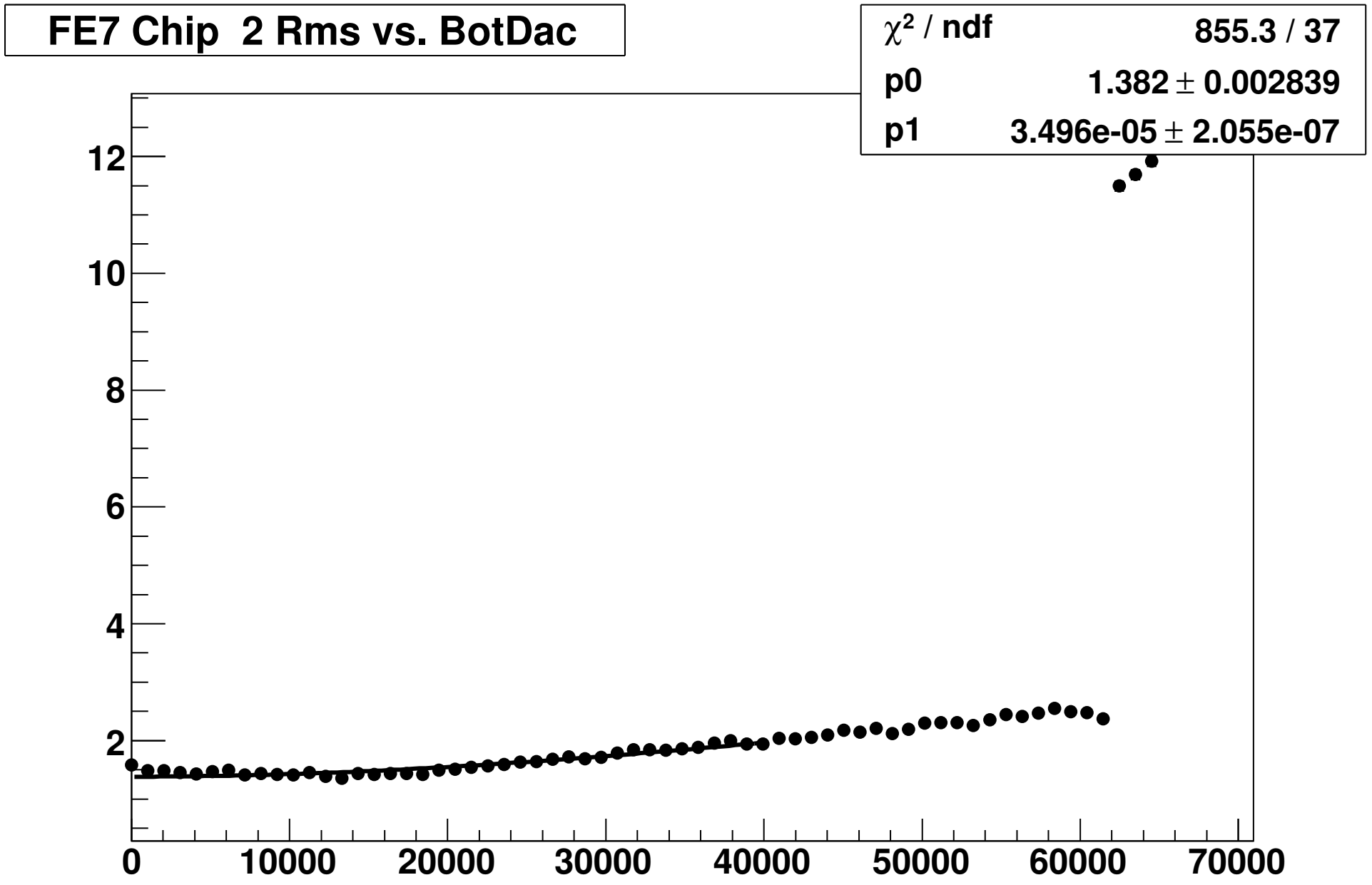
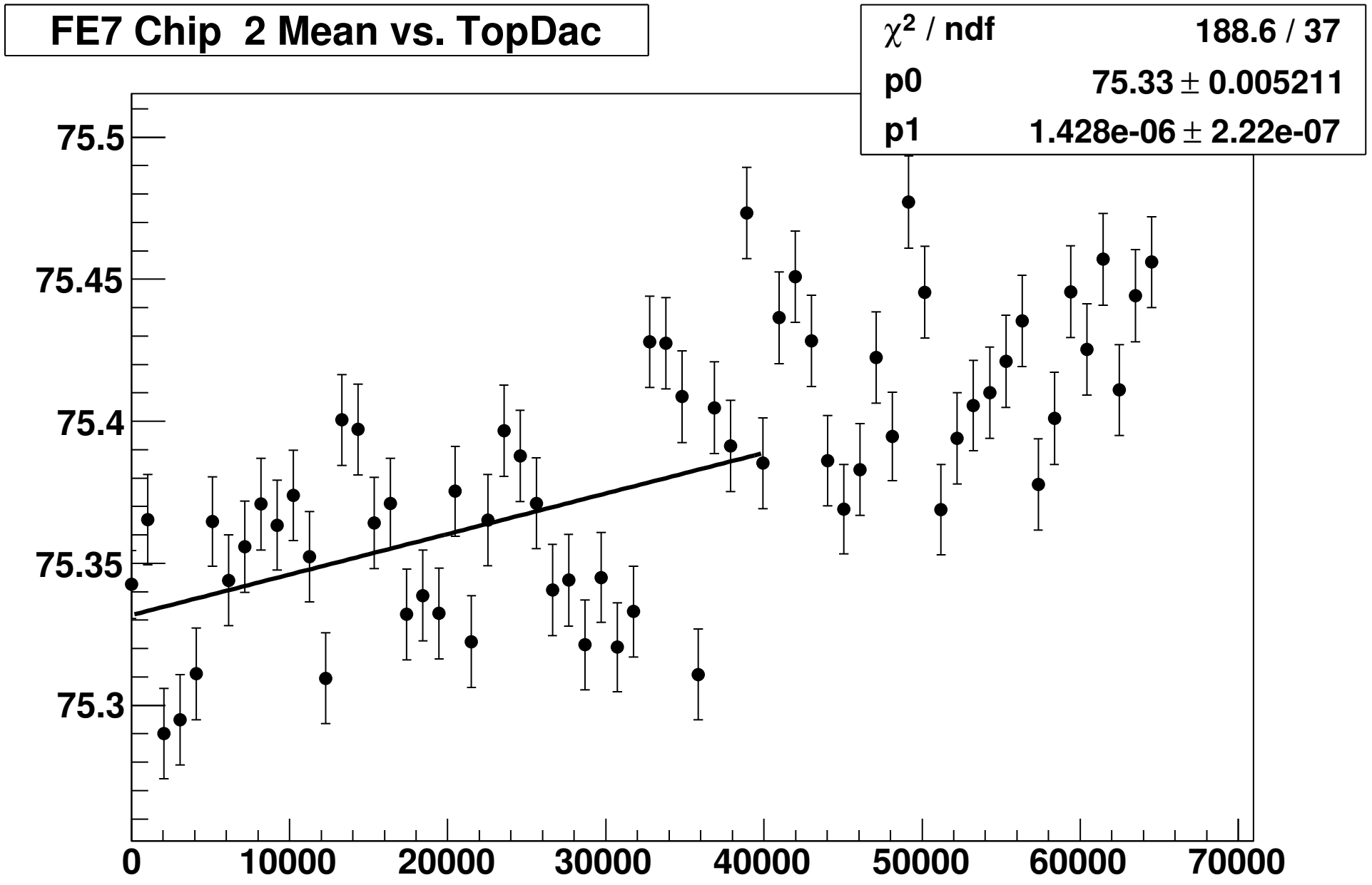
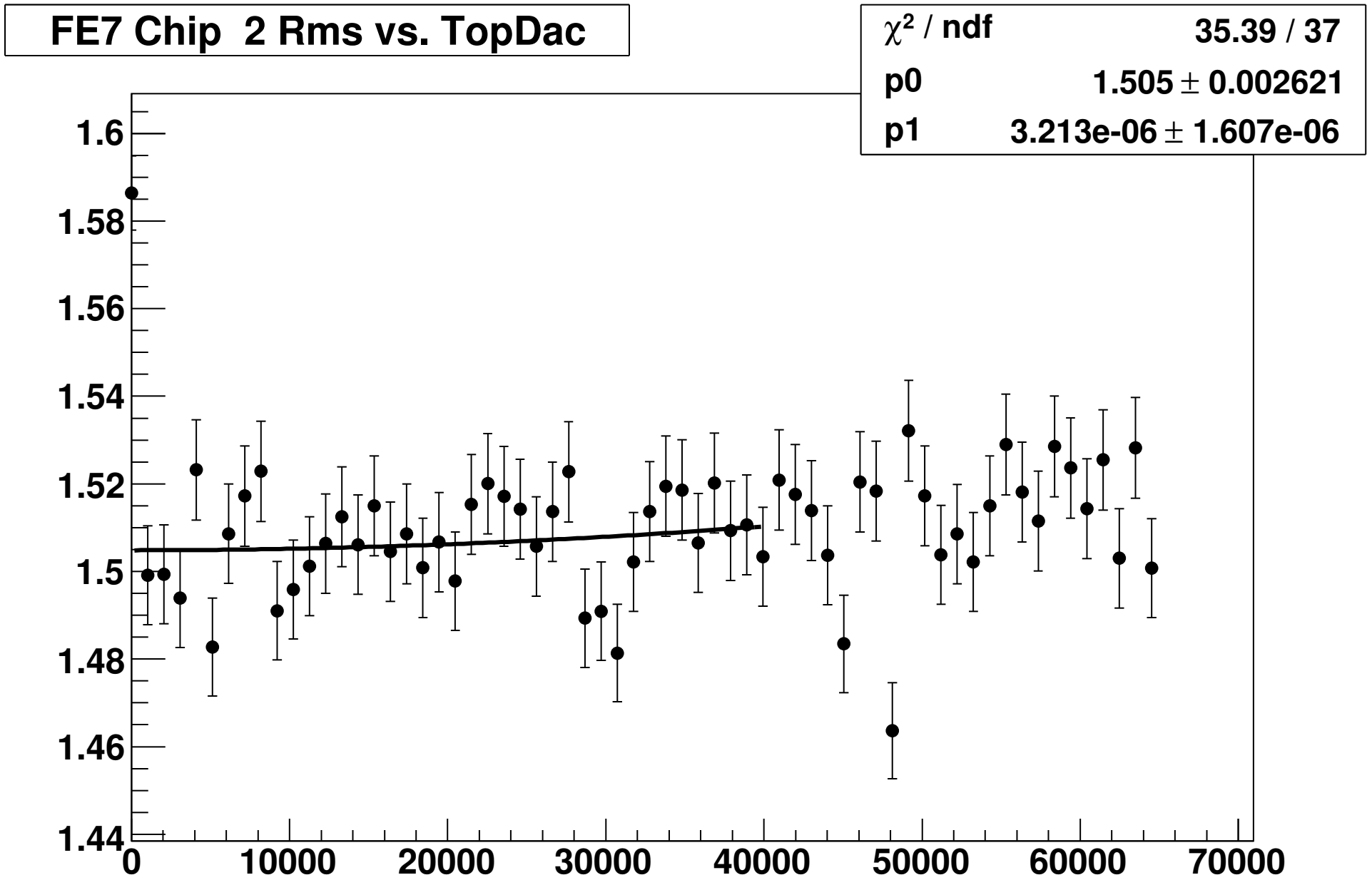

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 855.3 / 37
p0 1.382 ± 0.002839
p1 3.496e-05 ± 2.055e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 188.6 / 37
p0 75.33 ± 0.005211
p1 1.428e-06 ± 2.22e-07
75.5
75.45
75.4
75.35
75.3
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 35.39 / 37
p0 1.505 ± 0.002621
p1 3.213e-06 ± 1.607e-06
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
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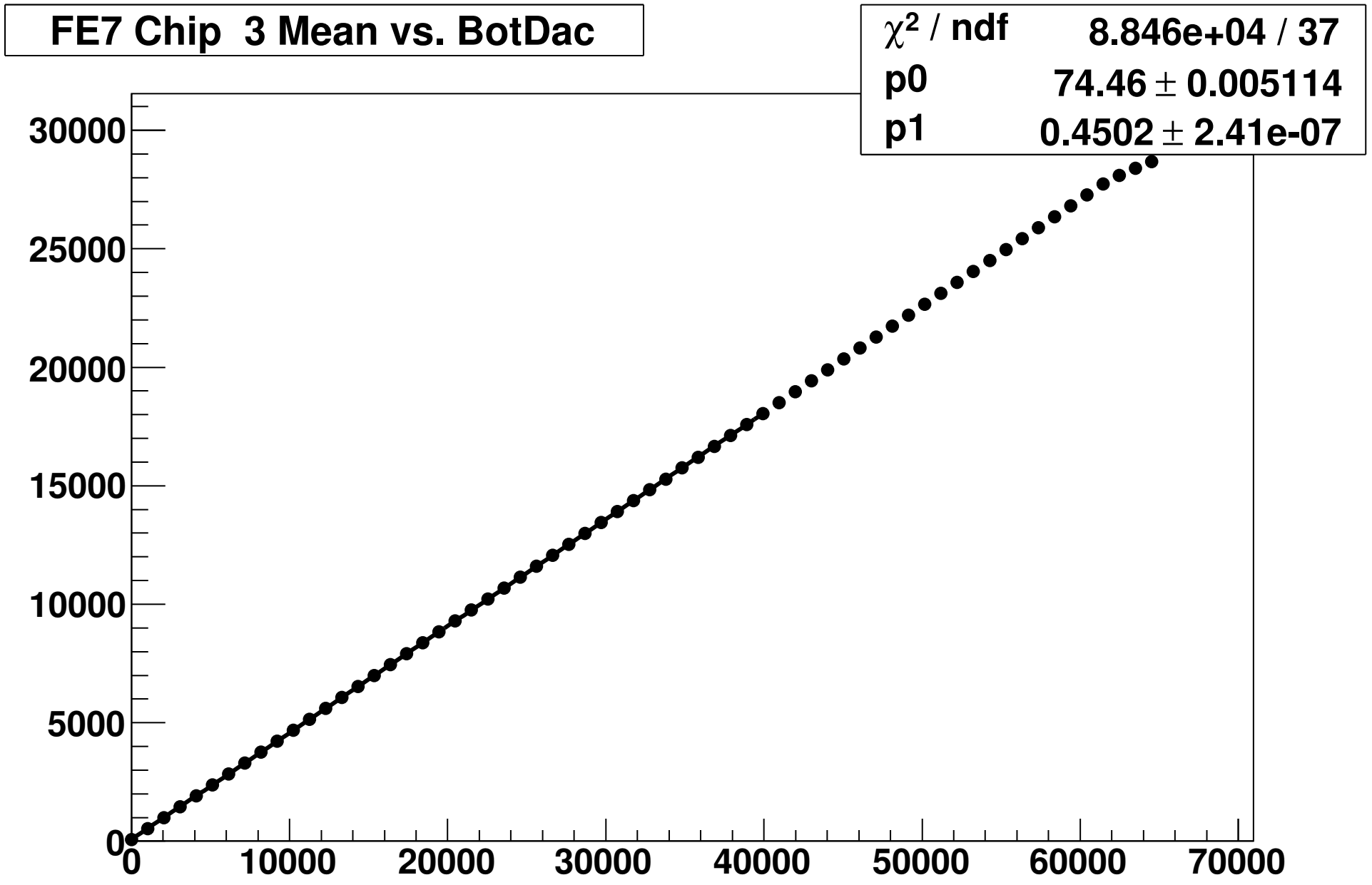
FE7 Chip 3 Mean vs. BotDac
χ² / ndf 8.846e+04 / 37
p0 74.46 ± 0.005114
p1 0.4502 ± 2.41e-07
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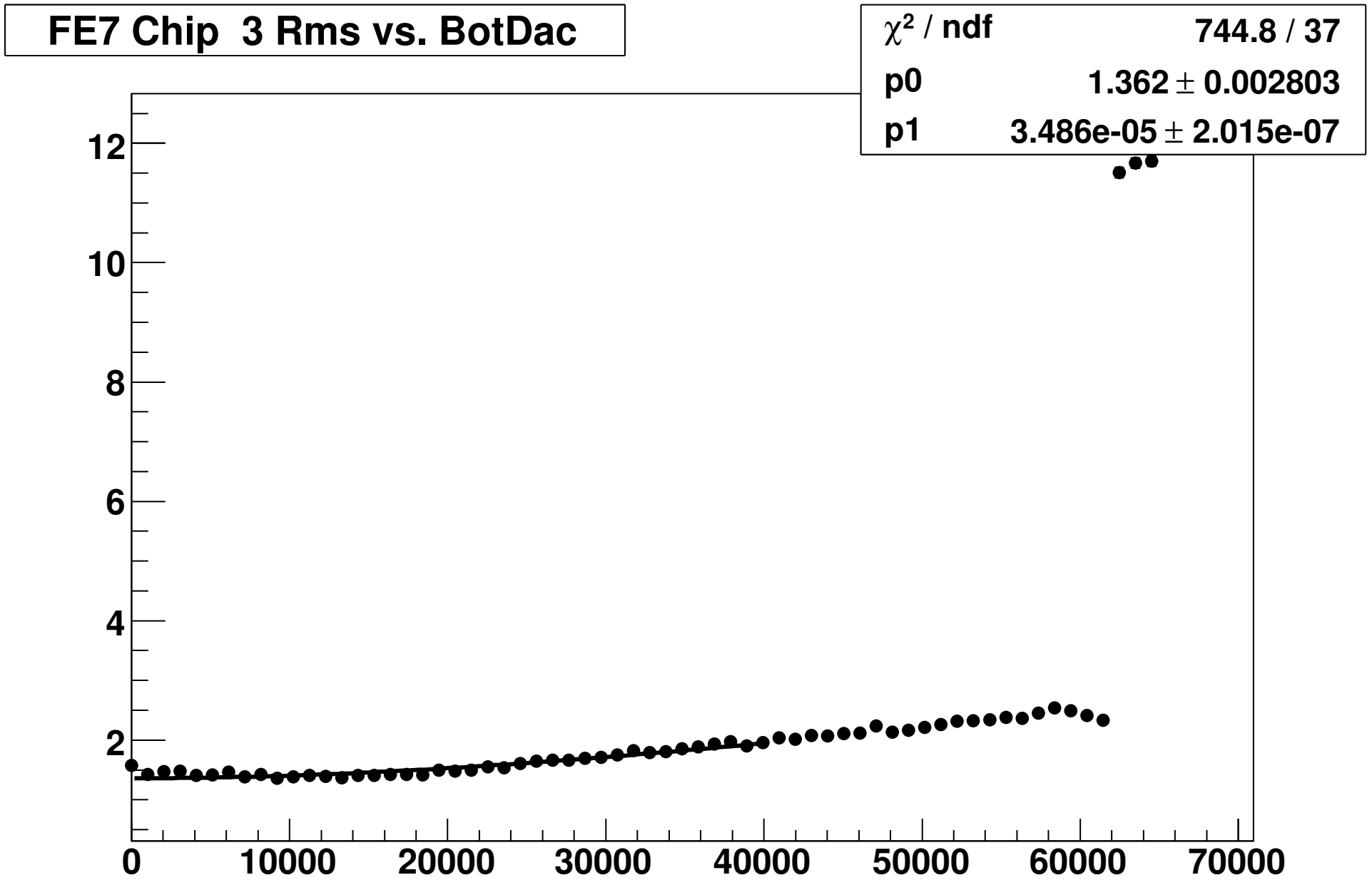
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 744.8 / 37
p0 1.362 ± 0.002803
p1 3.486e-05 ± 2.015e-07
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10
8
6
4
2
0
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30000
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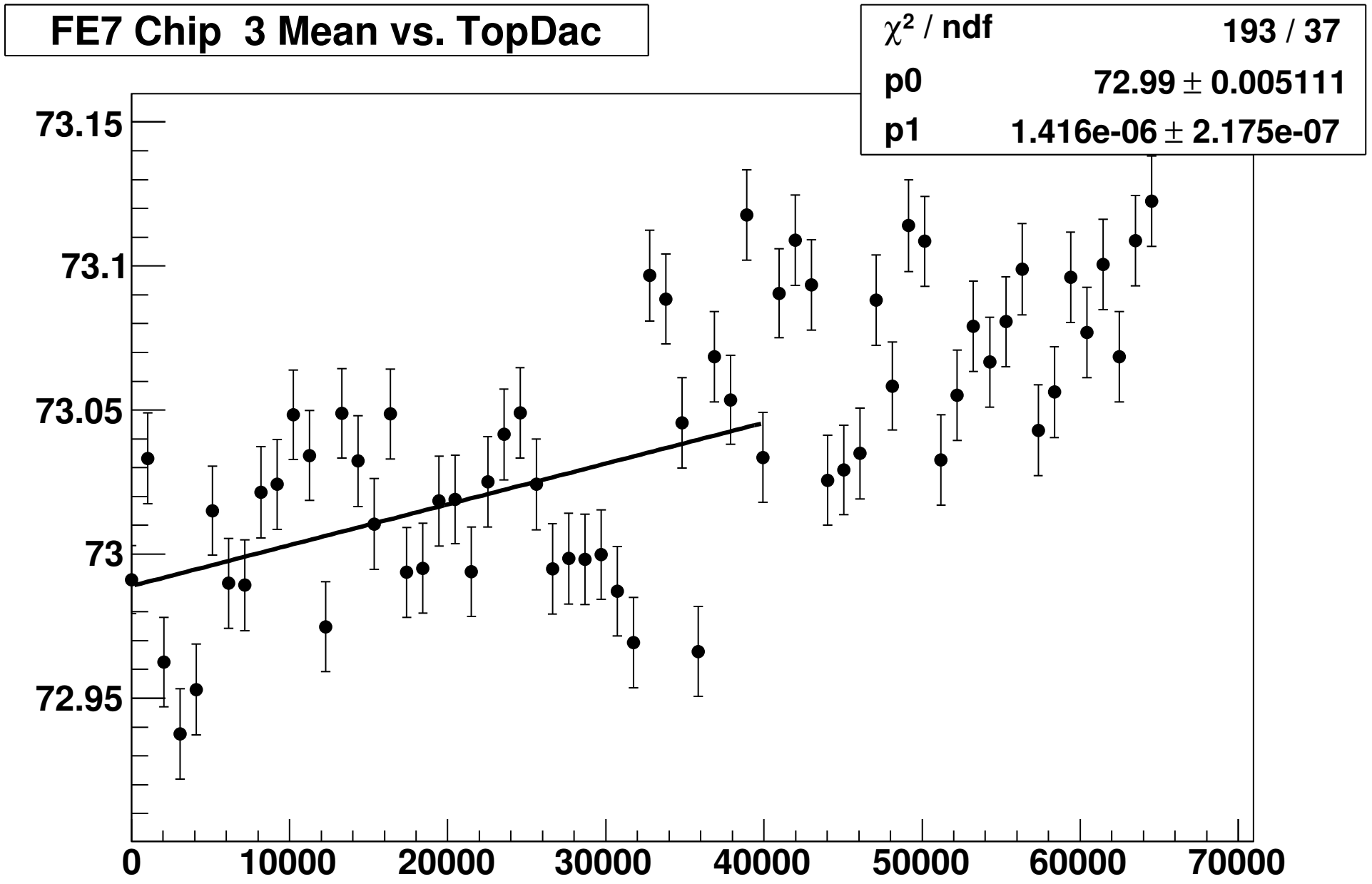
FE7 Chip 3 Mean vs. TopDac
χ² / ndf 193 / 37
p0 72.99 ± 0.005111
p1 1.416e-06 ± 2.175e-07
73.15
73.1
73.05
73
72.95
0
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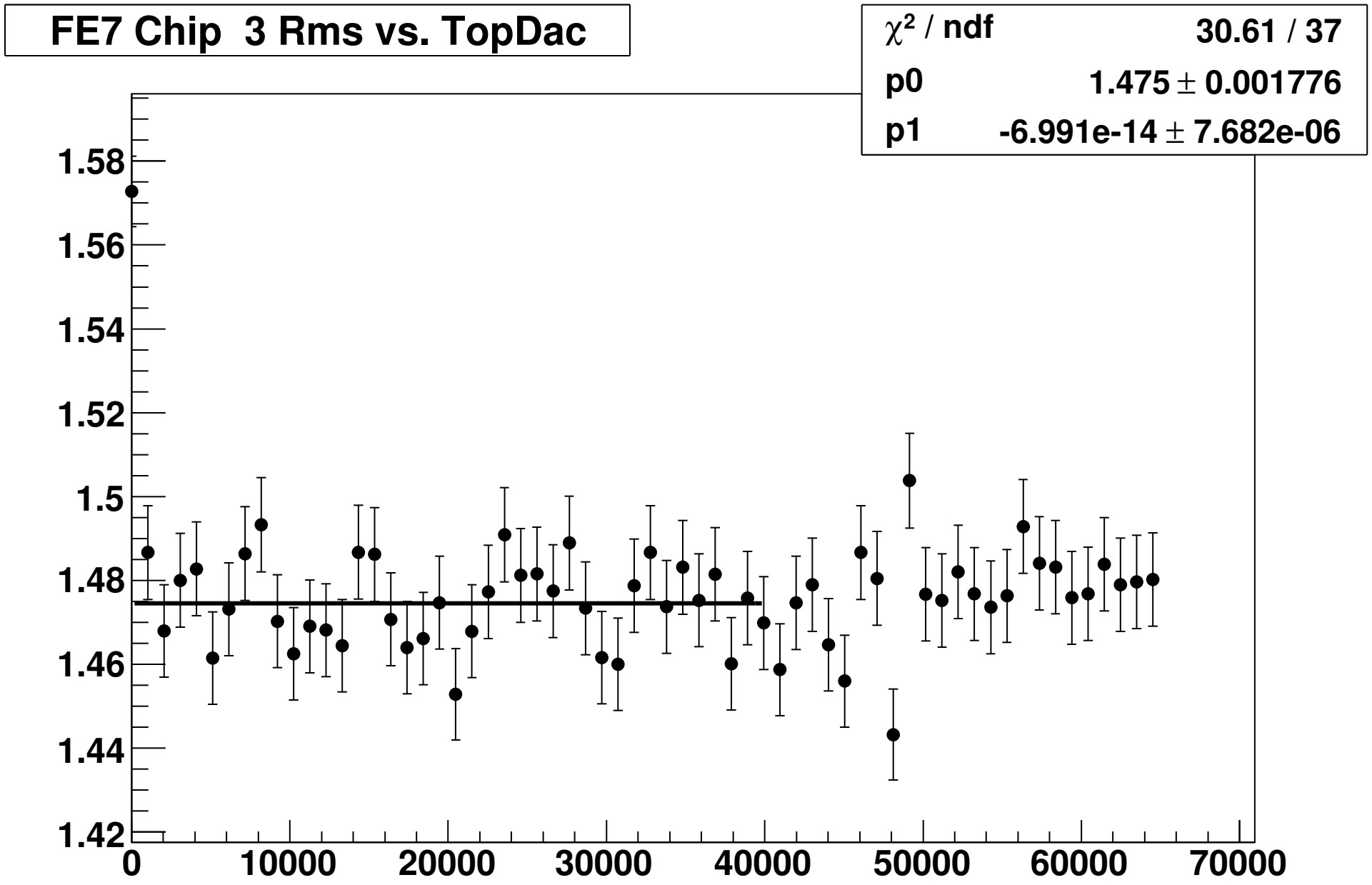
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 30.61 / 37
p0 1.475 ± 0.001776
p1 -6.991e-14 ± 7.682e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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20000
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60000
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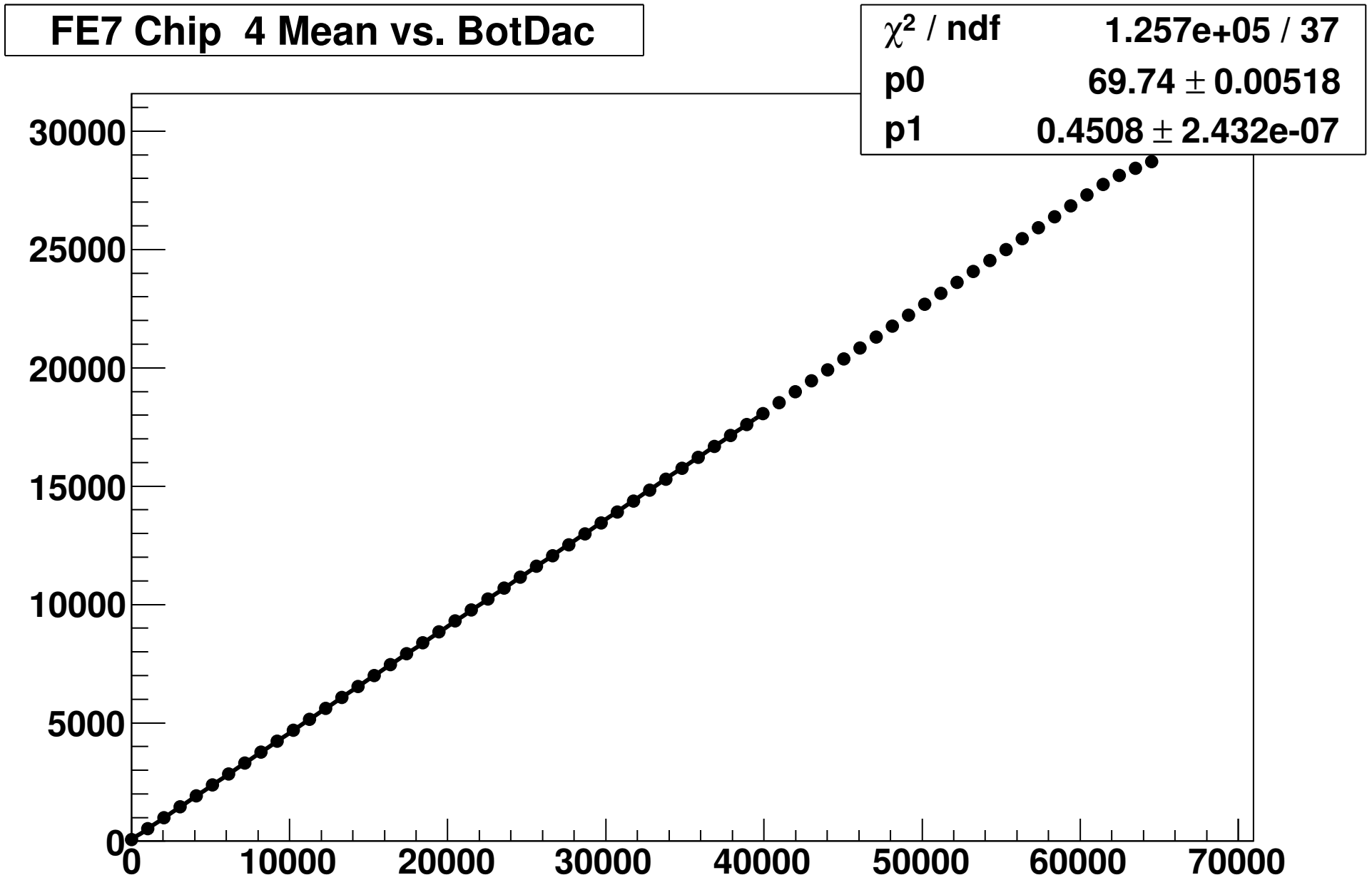
FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.257e+05 / 37
p0 69.74 ± 0.00518
p1 0.4508 ± 2.432e-07
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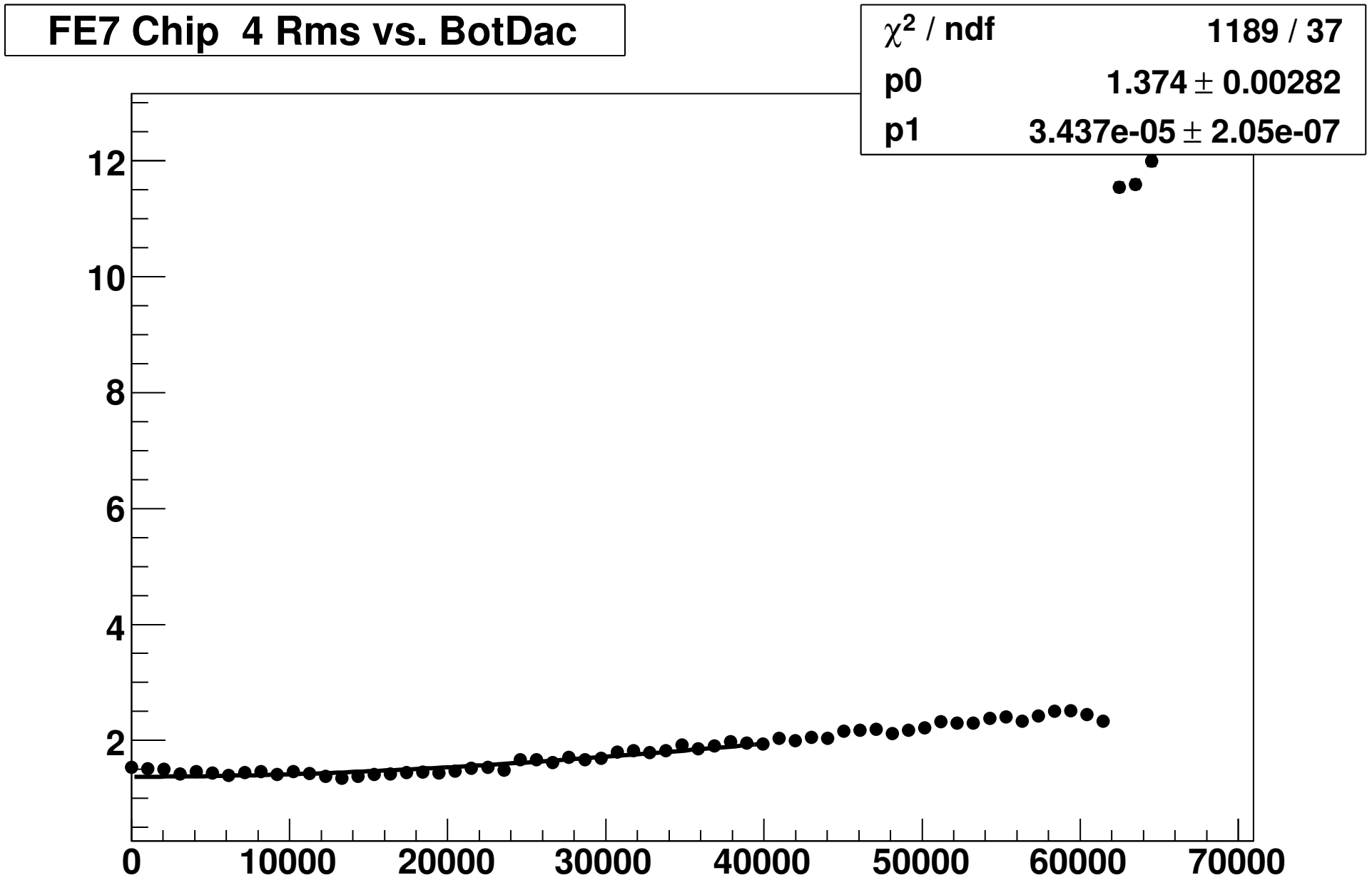
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 1189 / 37
p0 1.374 ± 0.00282
p1 3.437e-05 ± 2.05e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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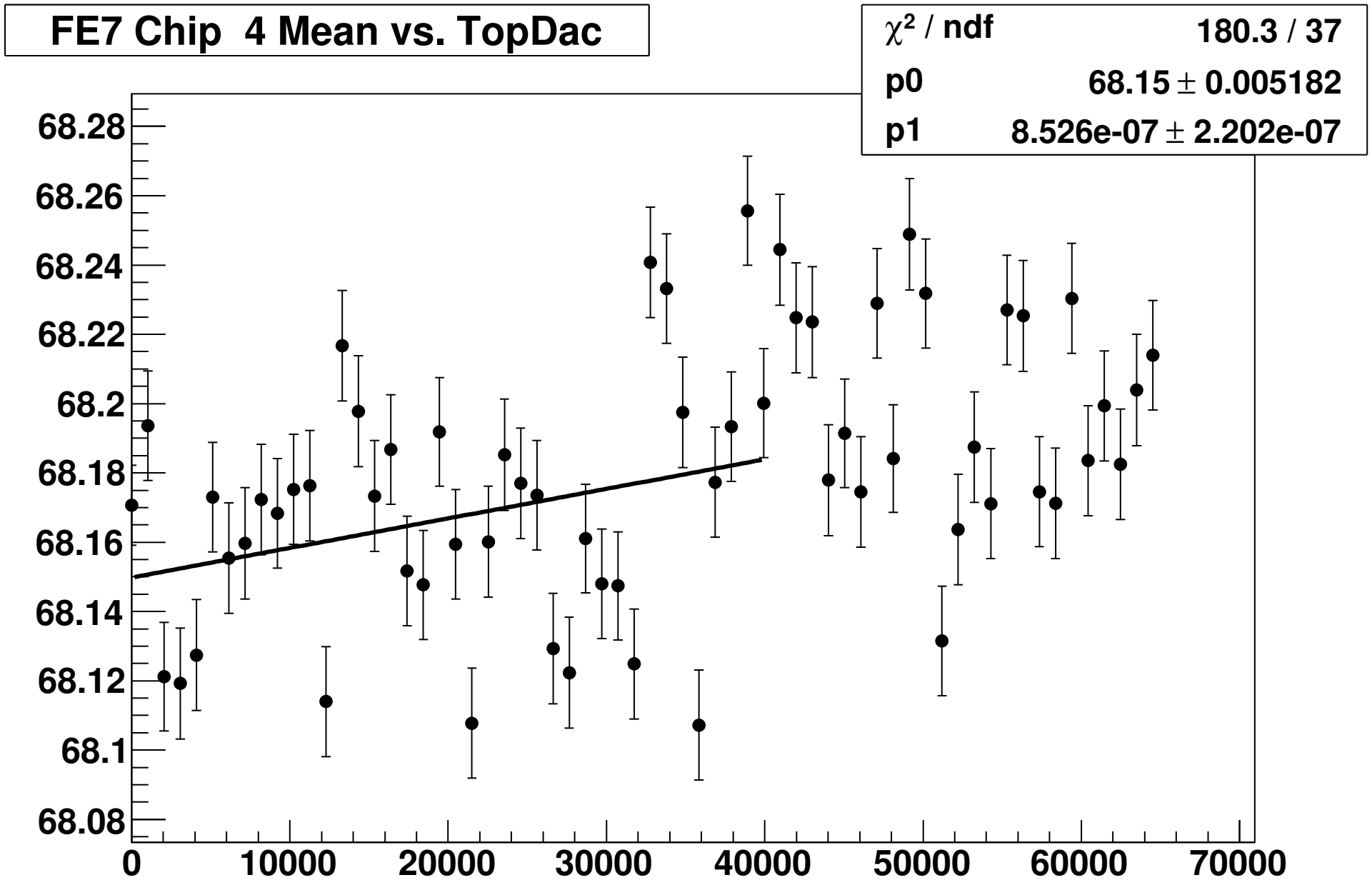
FE7 Chip 4 Mean vs. TopDac
χ² / ndf 180.3 / 37
p0 68.15 ± 0.005182
p1 8.526e-07 ± 2.202e-07
68.28
68.26
68.24
68.22
68.2
68.18
68.16
68.14
68.12
68.1
68.08
0
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30000
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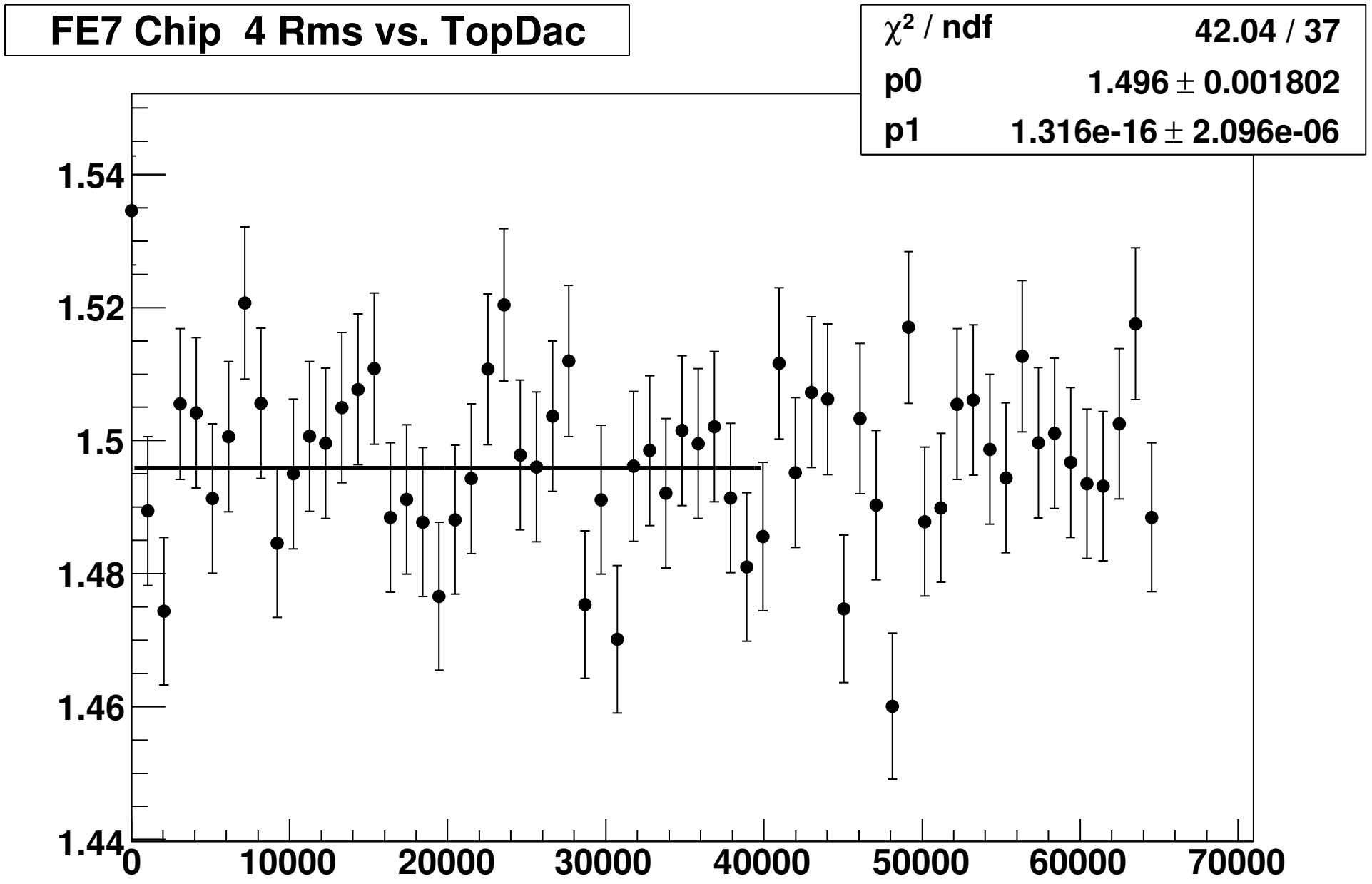
70000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 42.04 / 37
p0 1.496 ± 0.001802
p1 1.316e-16 ± 2.096e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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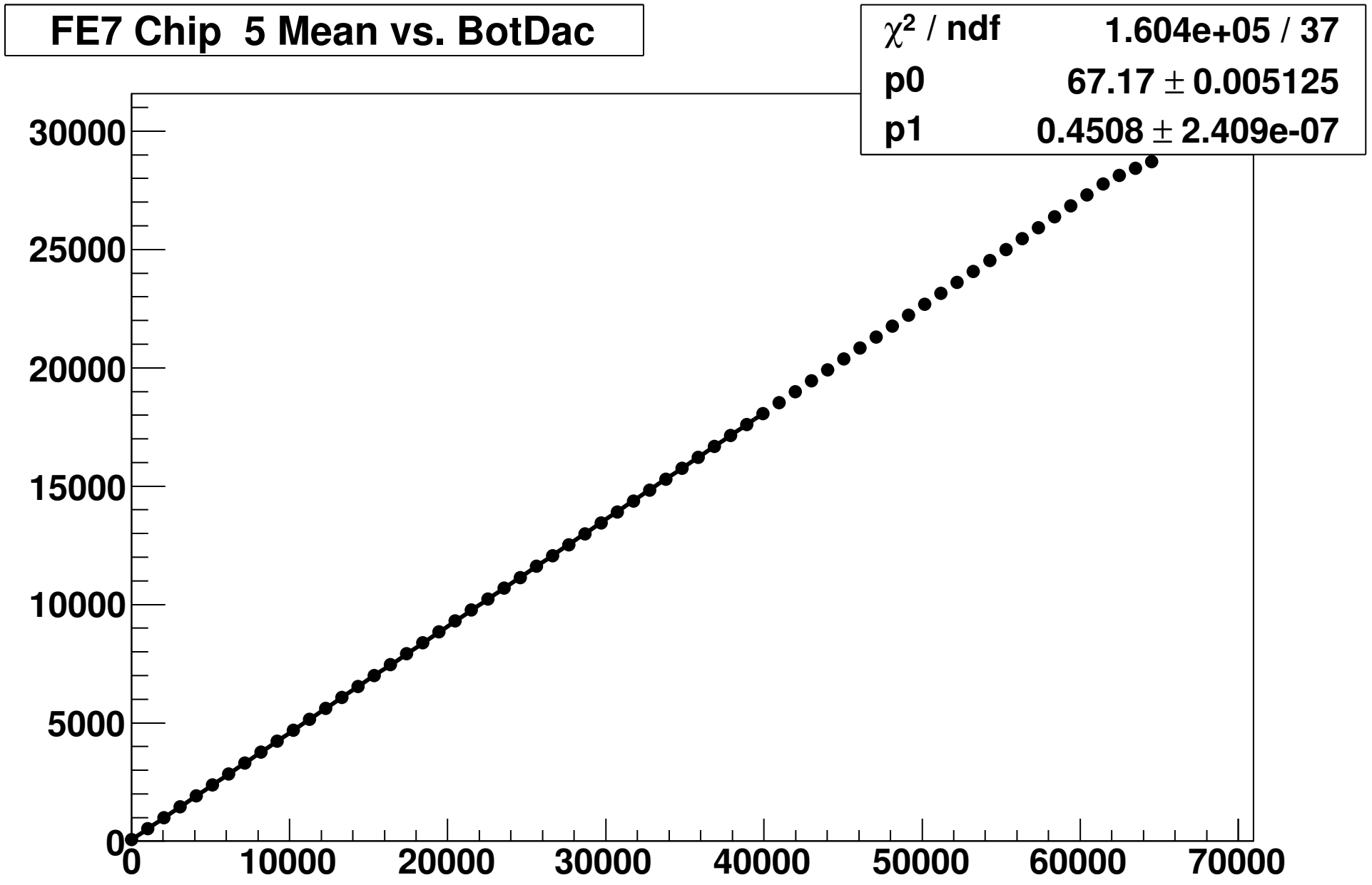
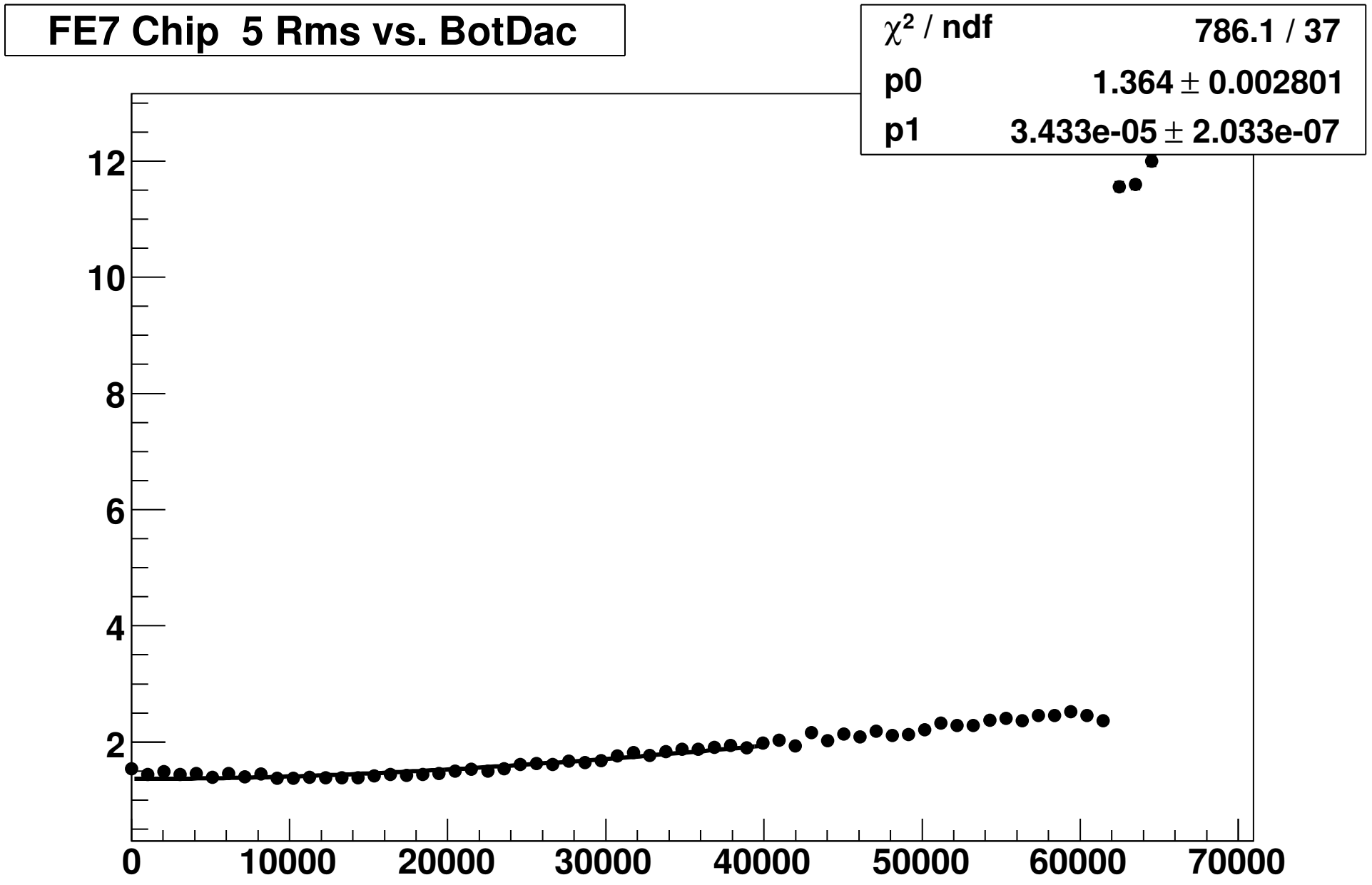
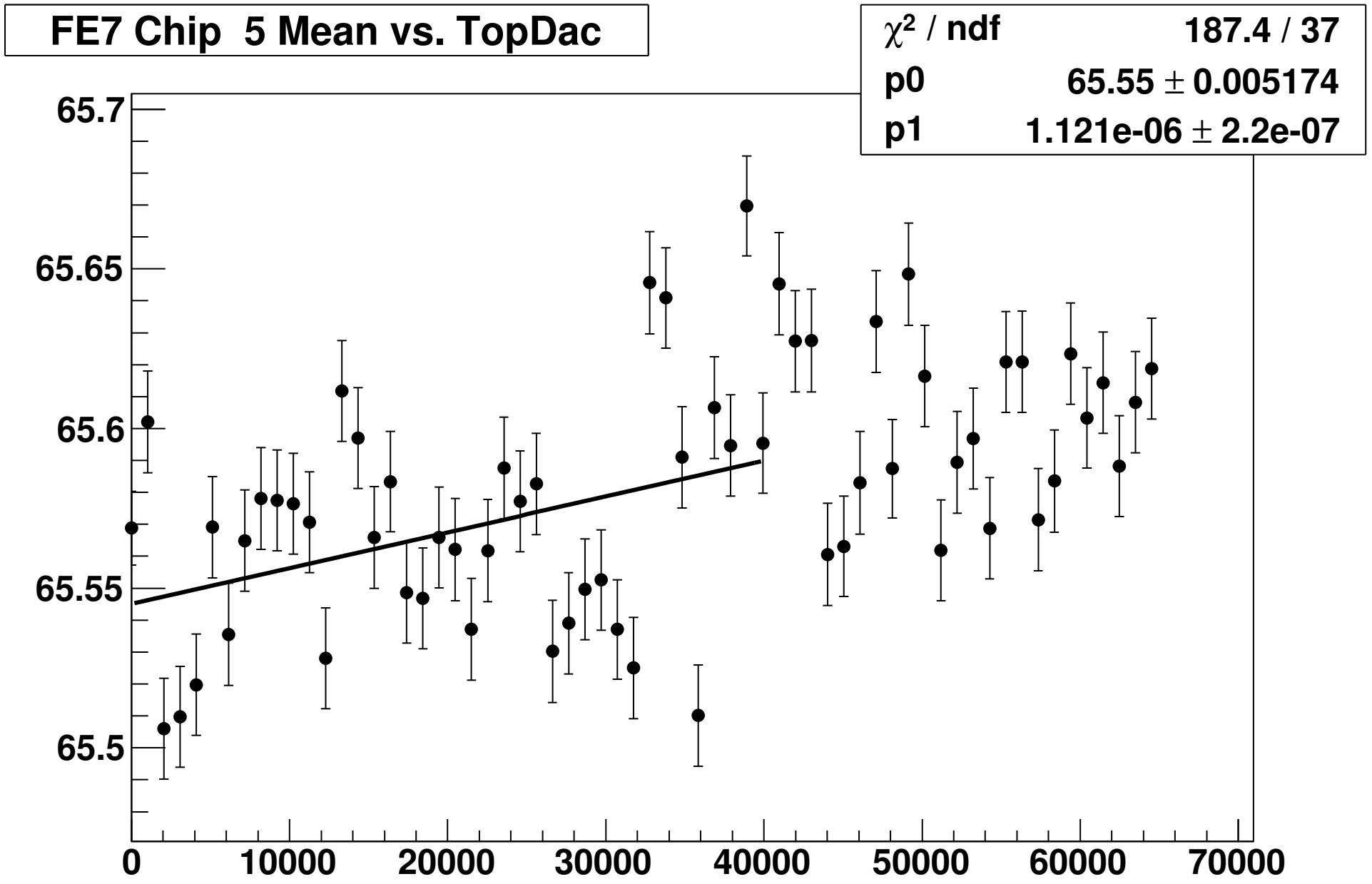
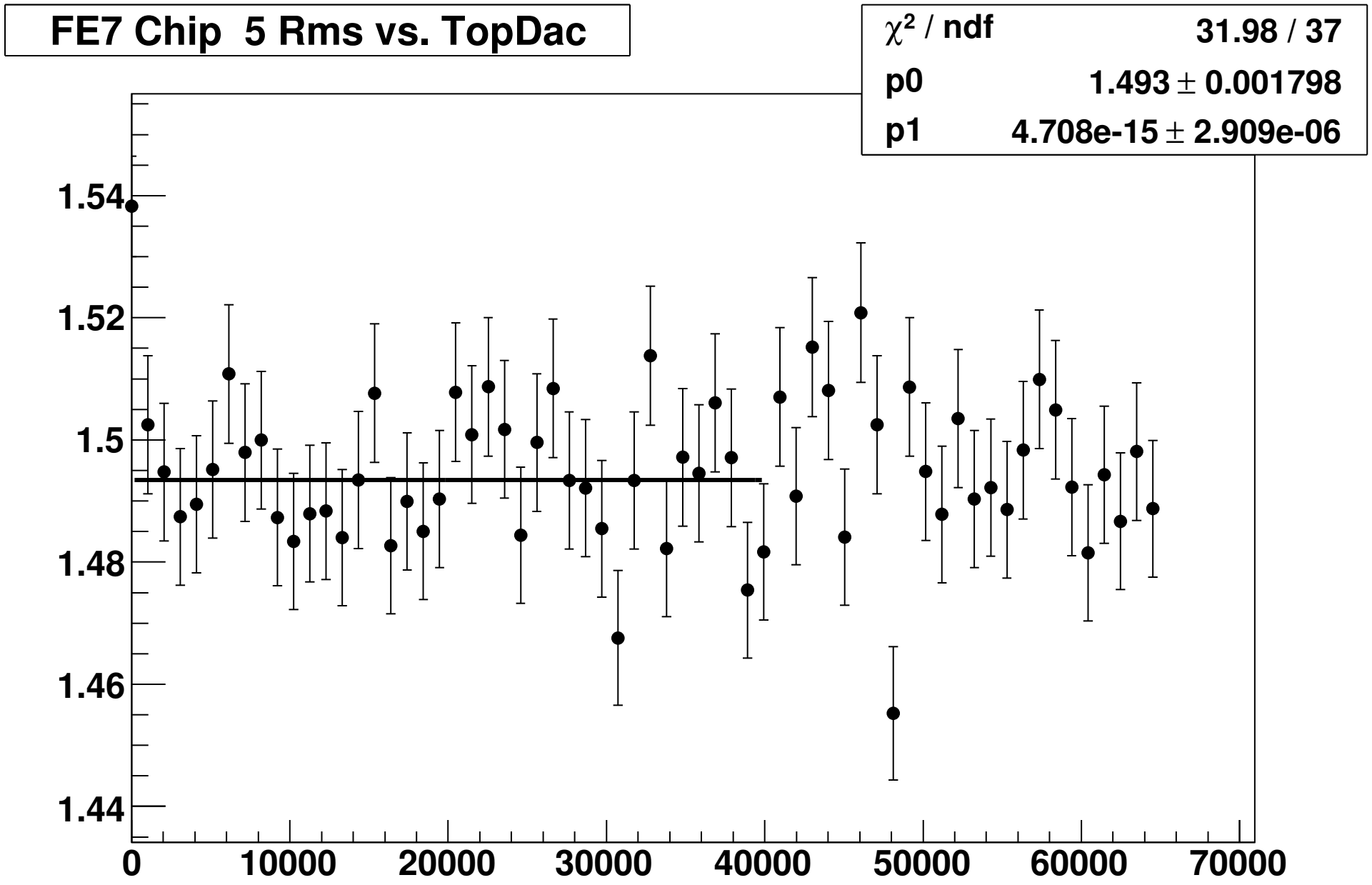
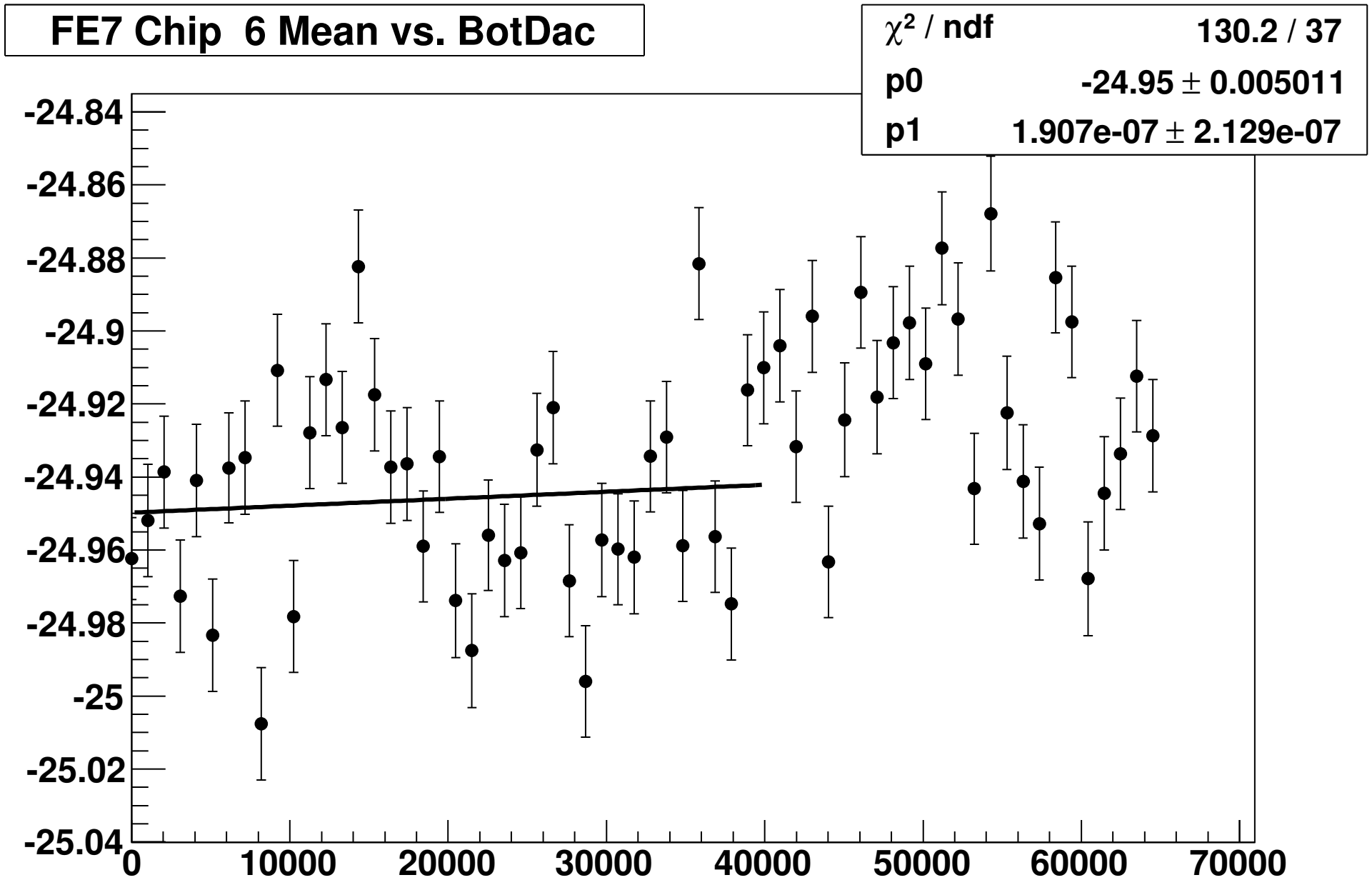
40000
50000
60000
70000

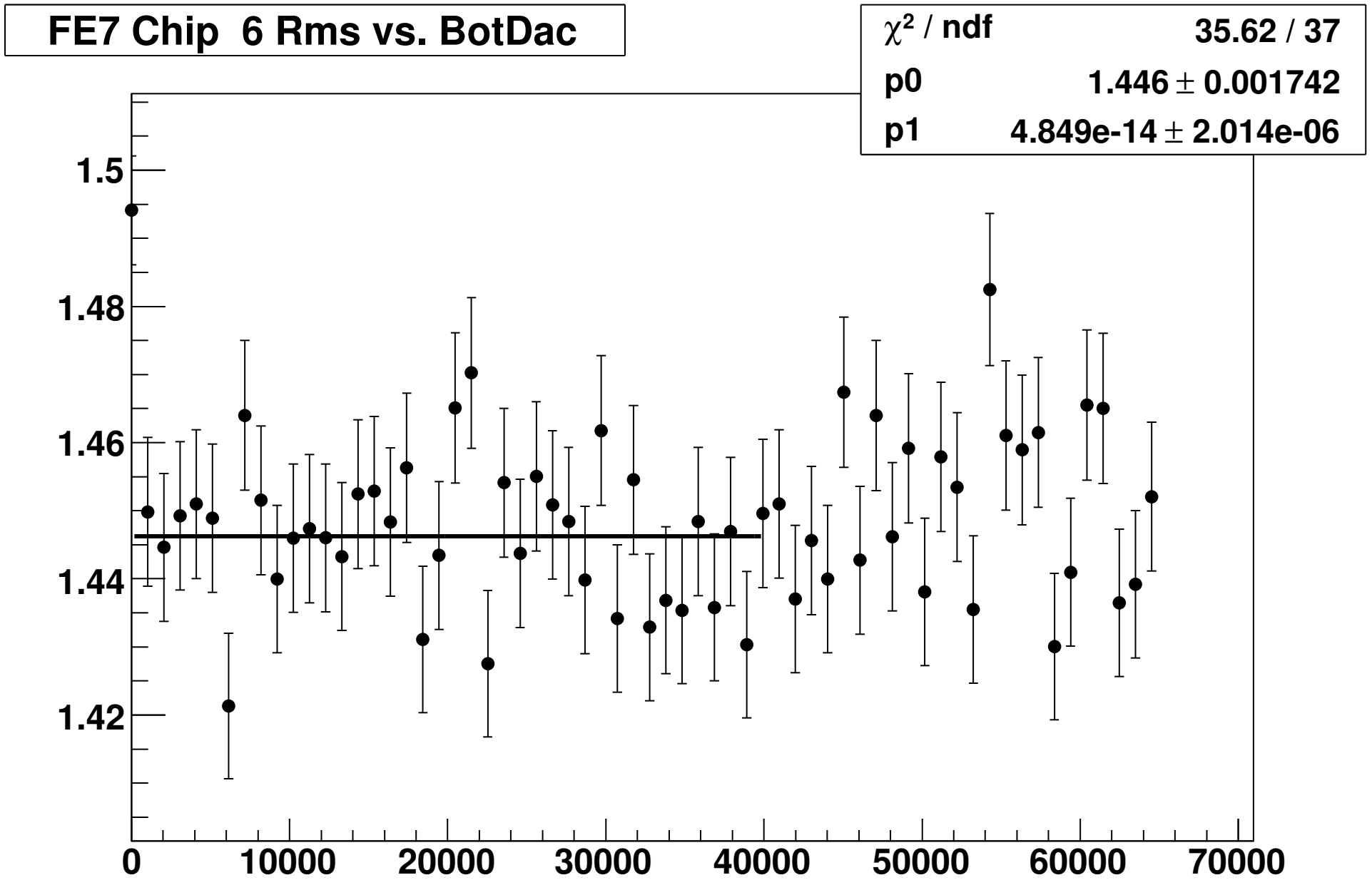

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.604e+05 / 37
p0 67.17 ± 0.005125
p1 0.4508 ± 2.409e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

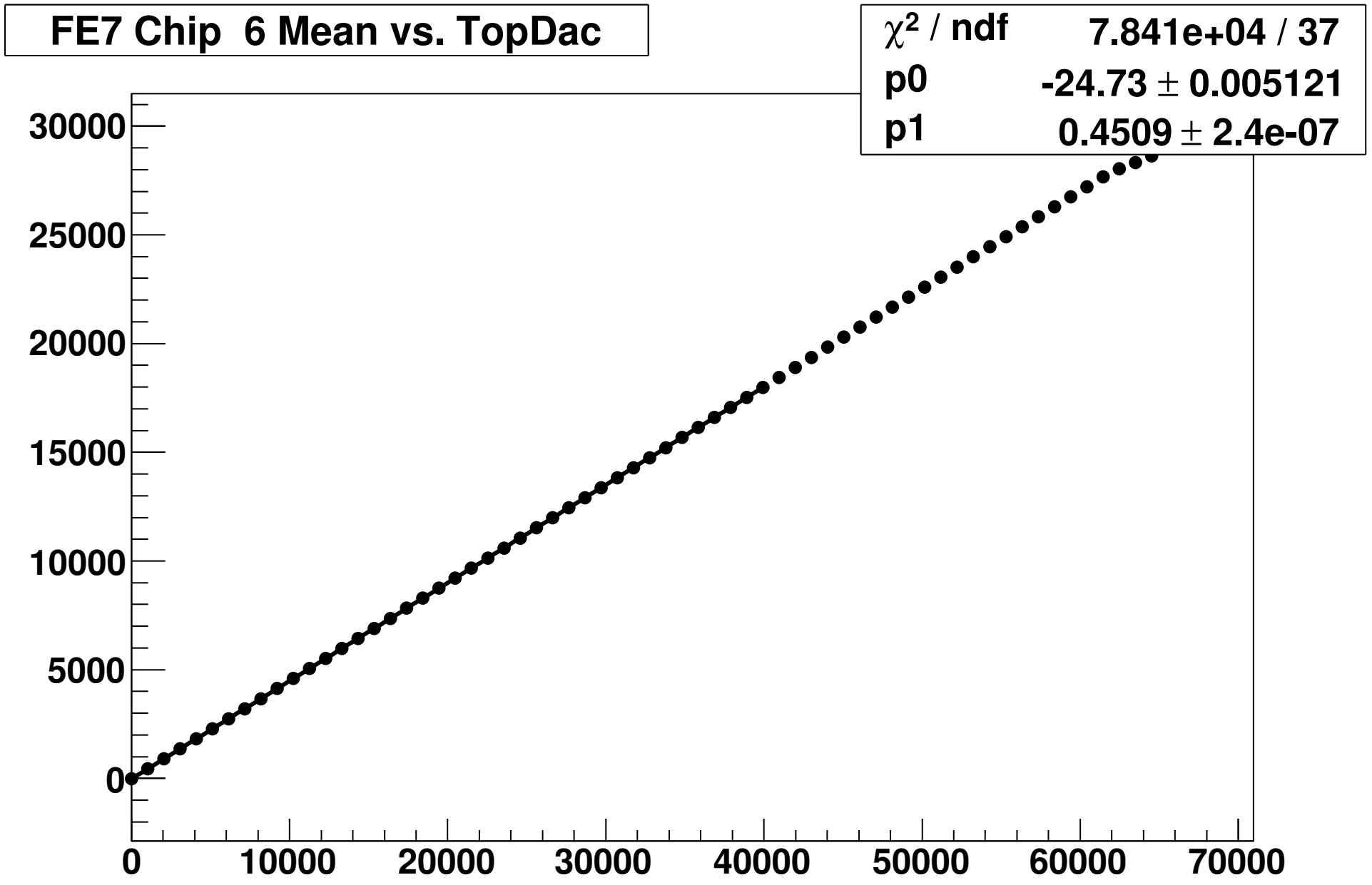

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 786.1 / 37
p0 1.364 ± 0.002801
p1 3.433e-05 ± 2.033e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

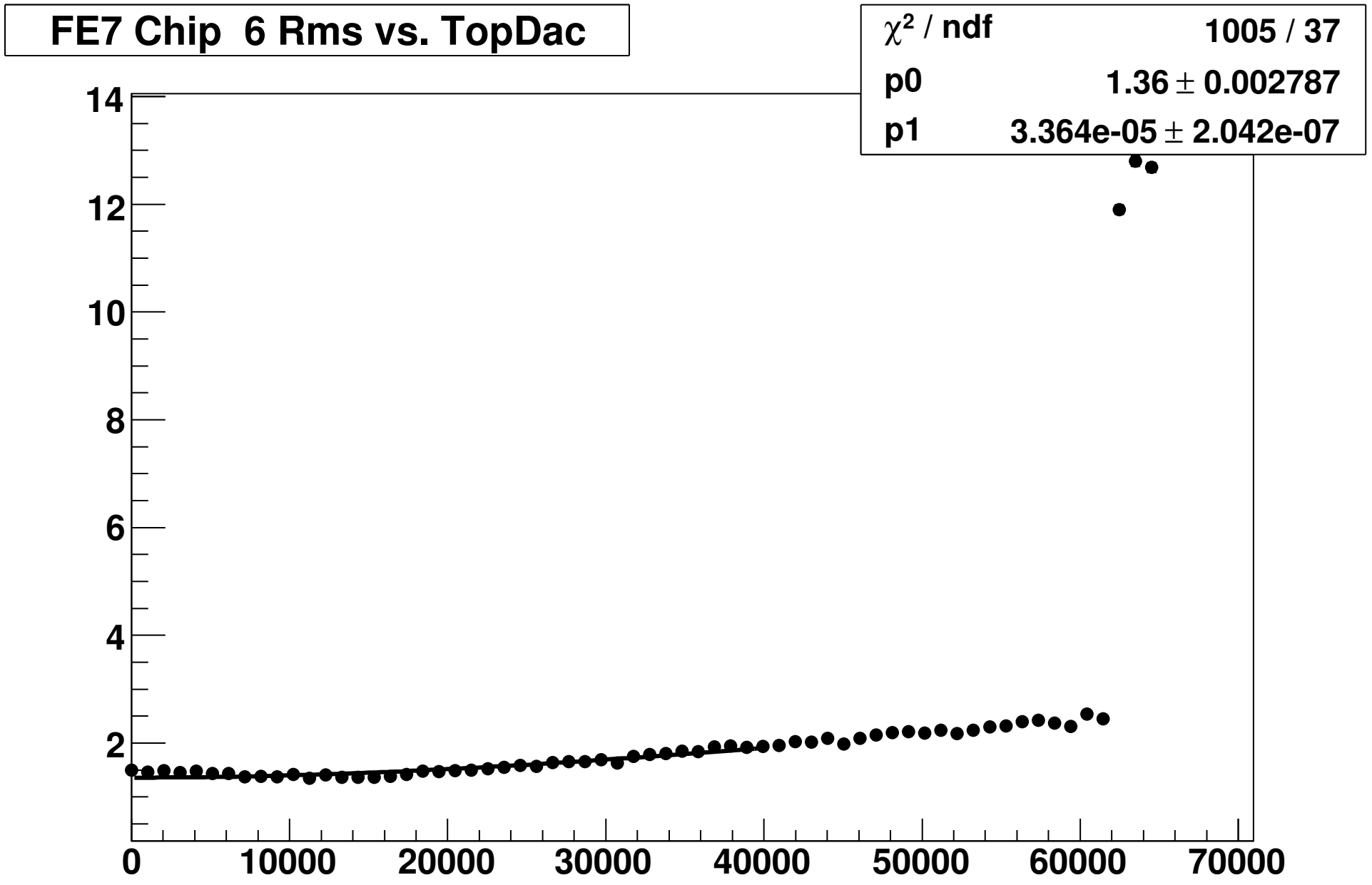

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 187.4 / 37
p0 65.55 ± 0.005174
p1 1.121e-06 ± 2.2e-07
65.7
65.65
65.6
65.55
65.5
0
10000
20000
30000
40000
50000
60000
70000

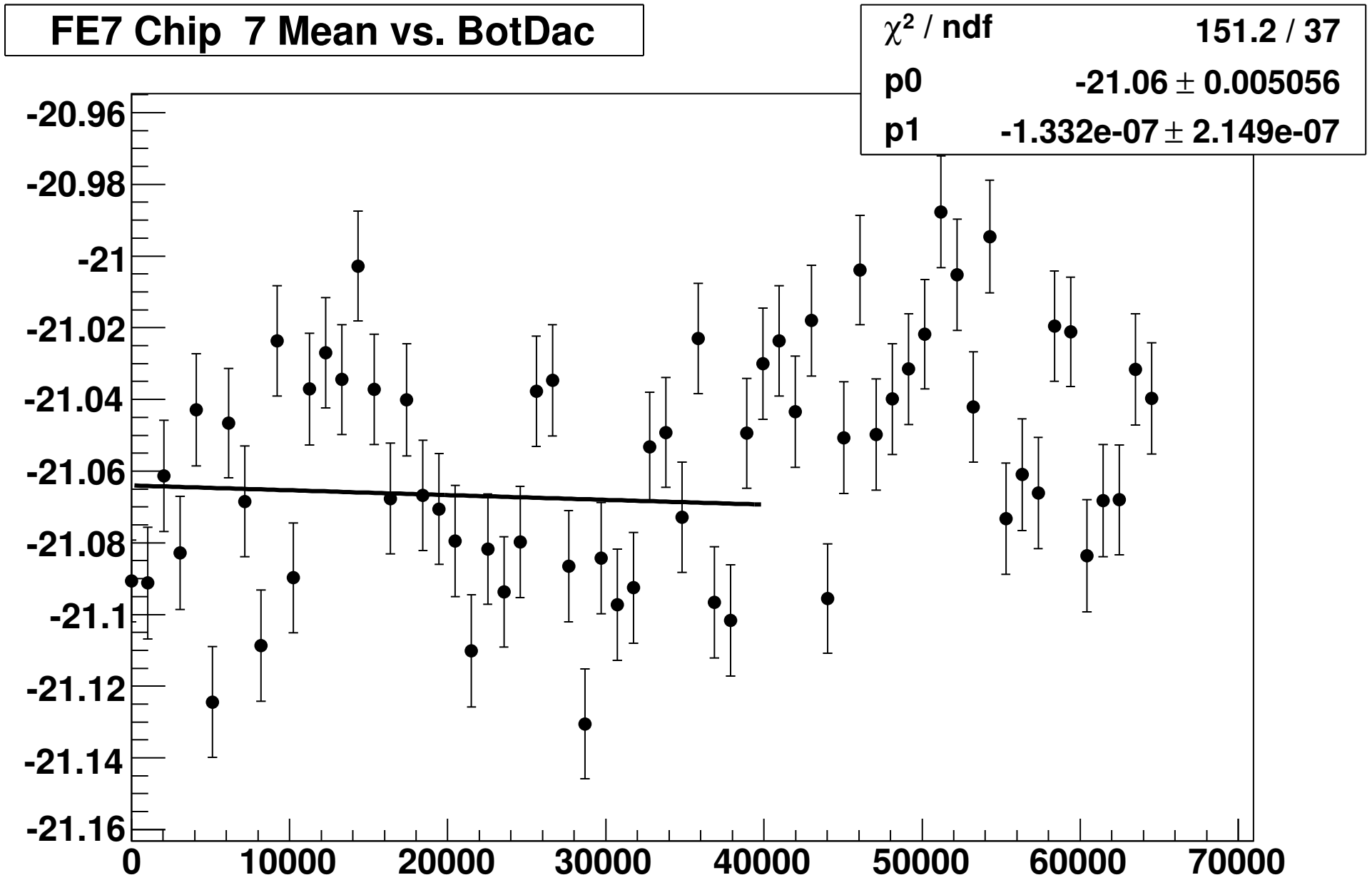

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 31.98 / 37
p0 1.493 ± 0.001798
p1 4.708e-15 ± 2.909e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

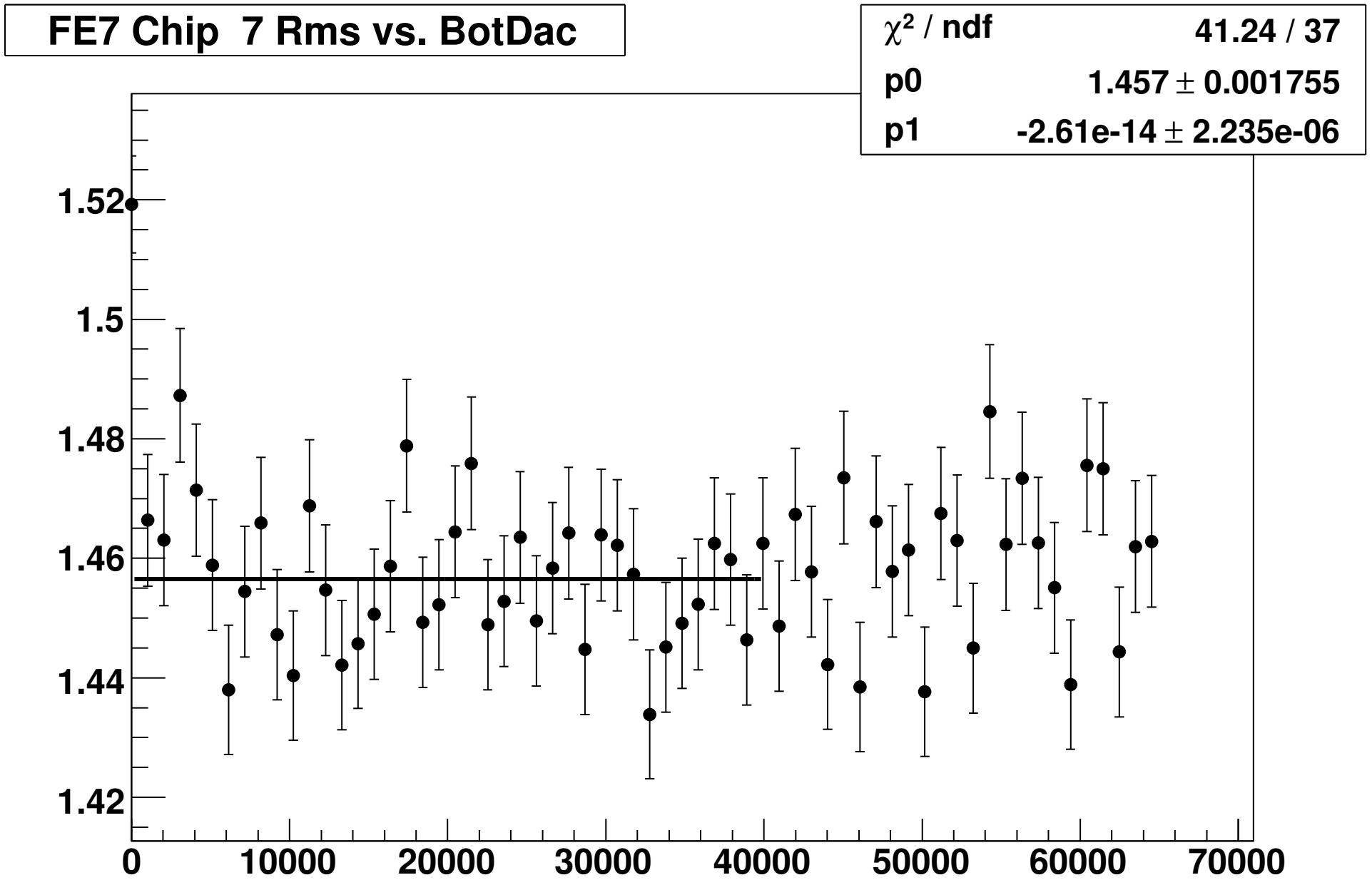

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 130.2 / 37
p0 -24.95 ± 0.005011
p1 1.907e-07 ± 2.129e-07
-24.84
-24.86
-24.88
-24.9
-24.92
-24.94
-24.96
-24.98
-25
-25.02
-25.04
0
10000
20000
30000
40000
50000
60000
70000

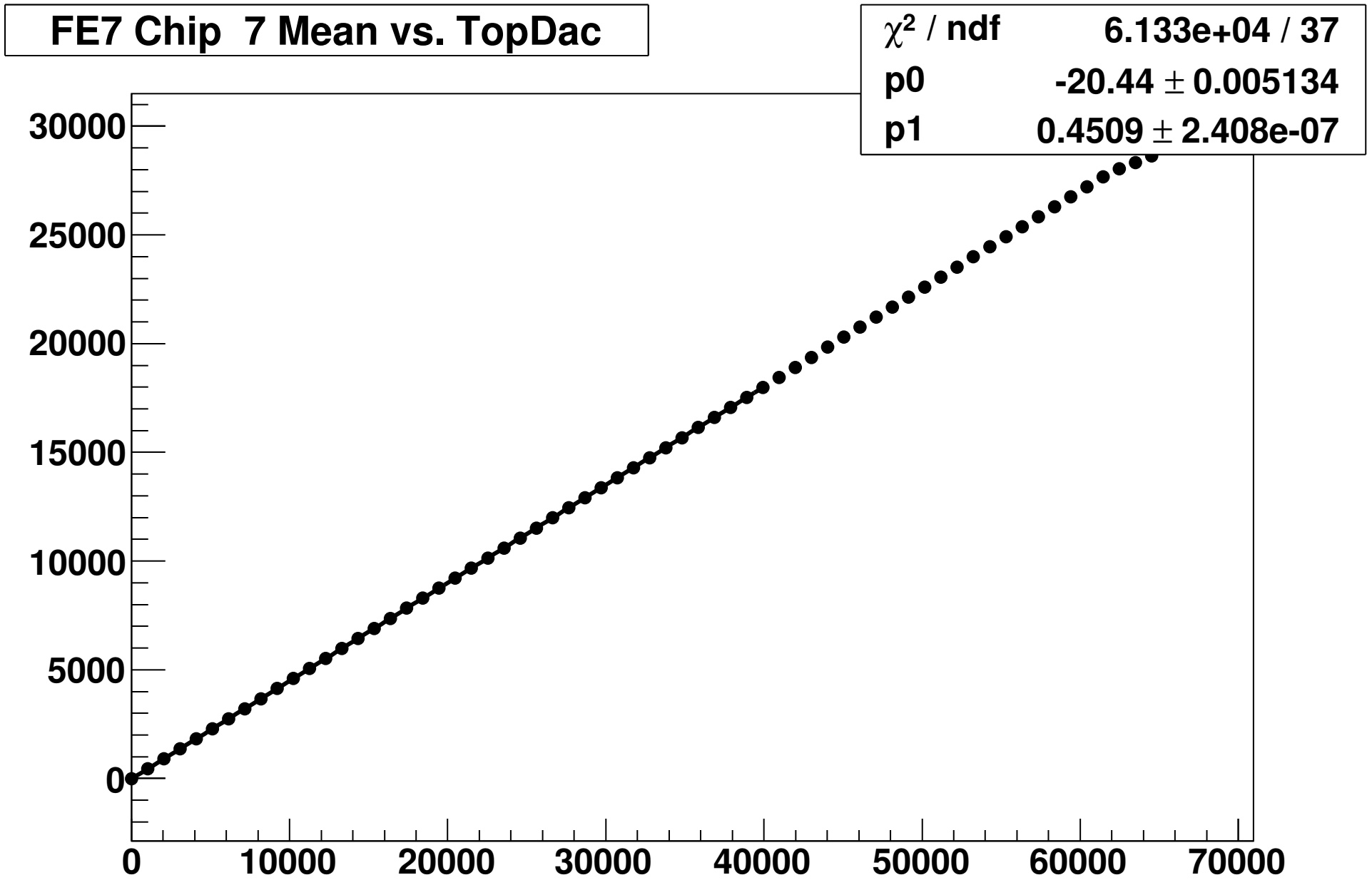

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 35.62 / 37
p0 1.446 ± 0.001742
p1 4.849e-14 ± 2.014e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

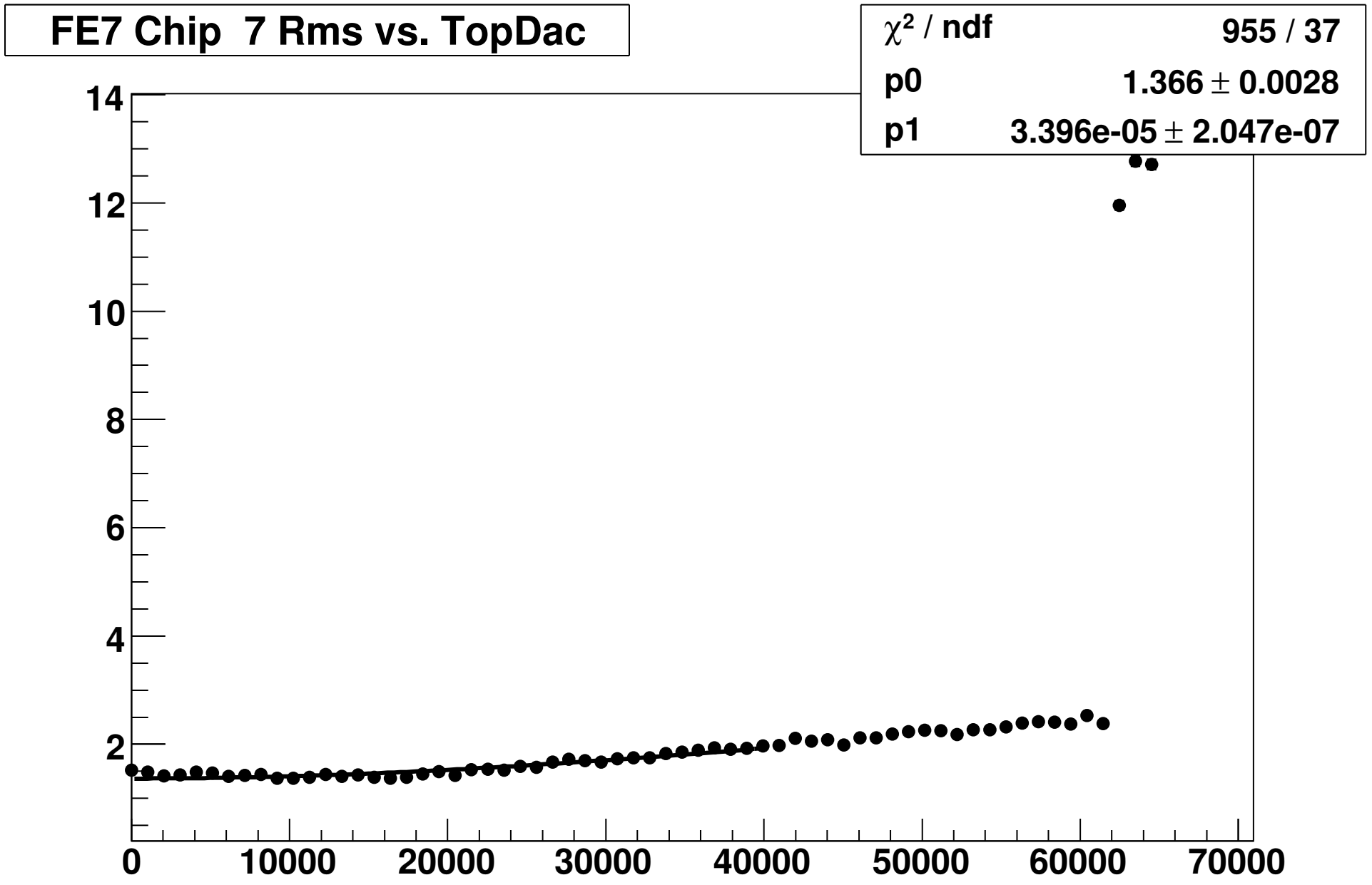

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 7.841e+04 / 37
p0 -24.73 ± 0.005121
p1 0.4509 ± 2.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

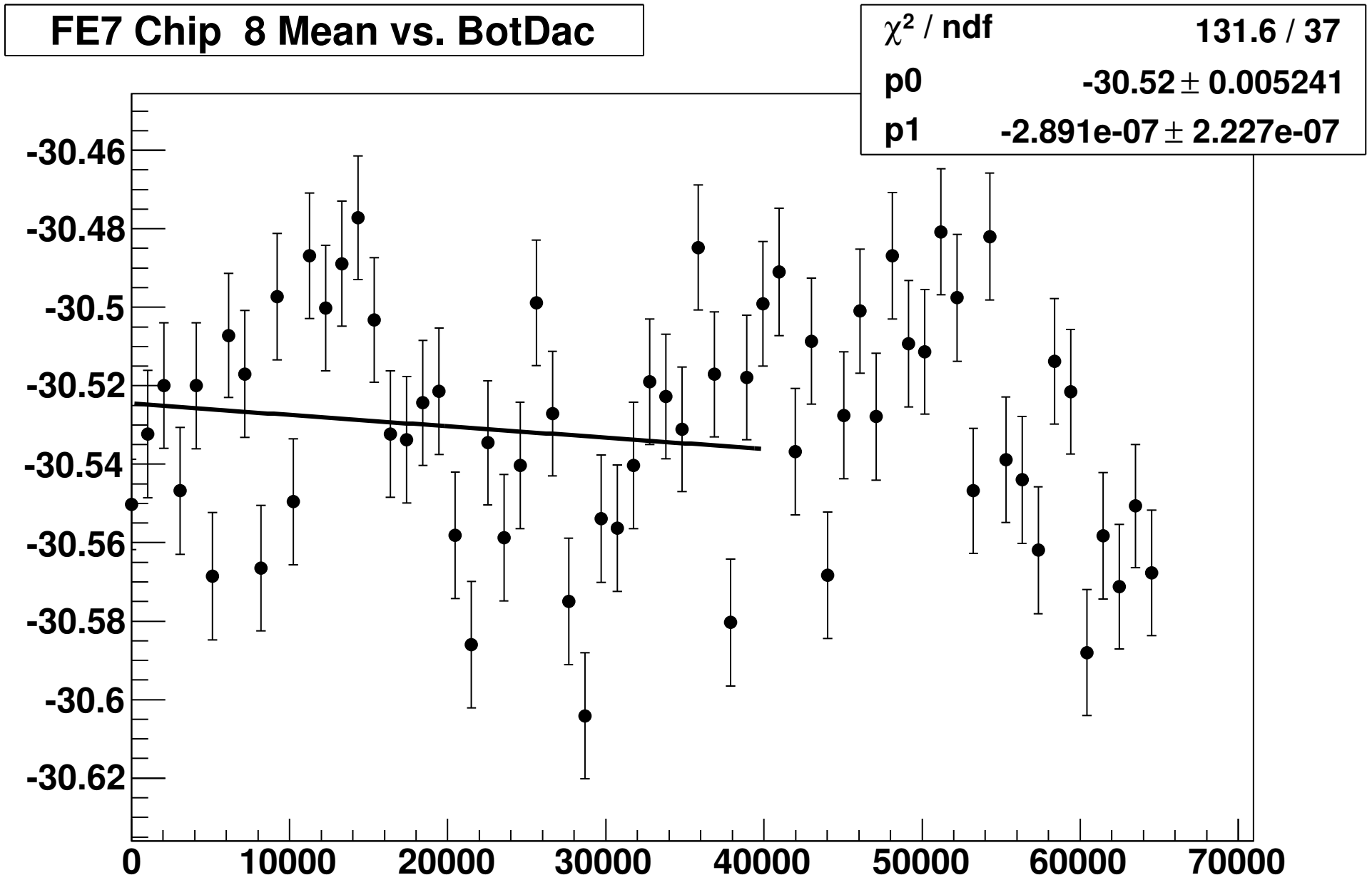

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1005 / 37
p0 1.36 ± 0.002787
p1 3.364e-05 ± 2.042e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

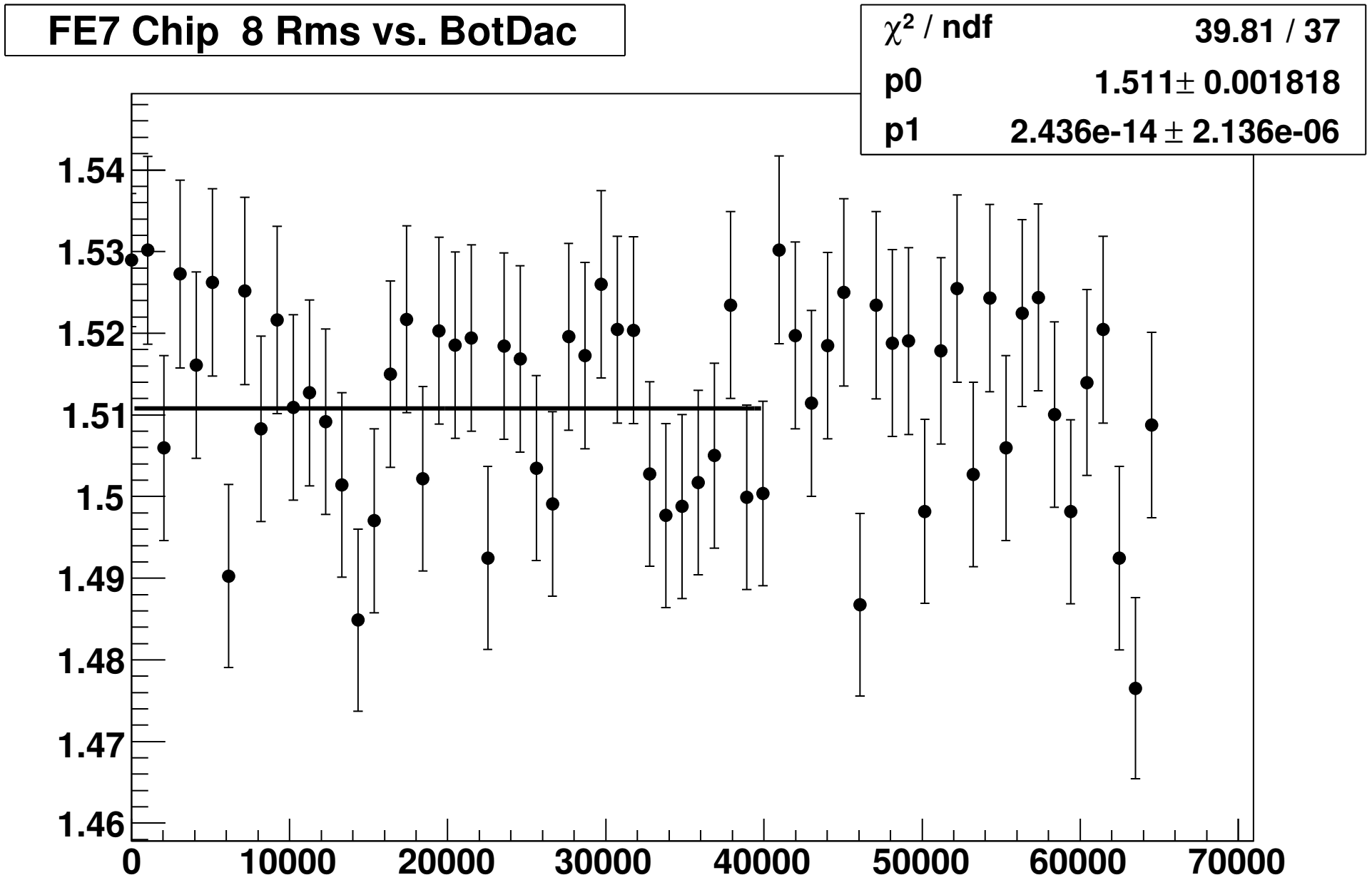

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 151.2 / 37
p0 -21.06 ± 0.005056
p1 -1.332e-07 ± 2.149e-07
-20.96
-20.98
-21
-21.02
-21.04
-21.06
-21.08
-21.1
-21.12
-21.14
-21.16
0
10000
20000
30000
40000
50000
60000
70000

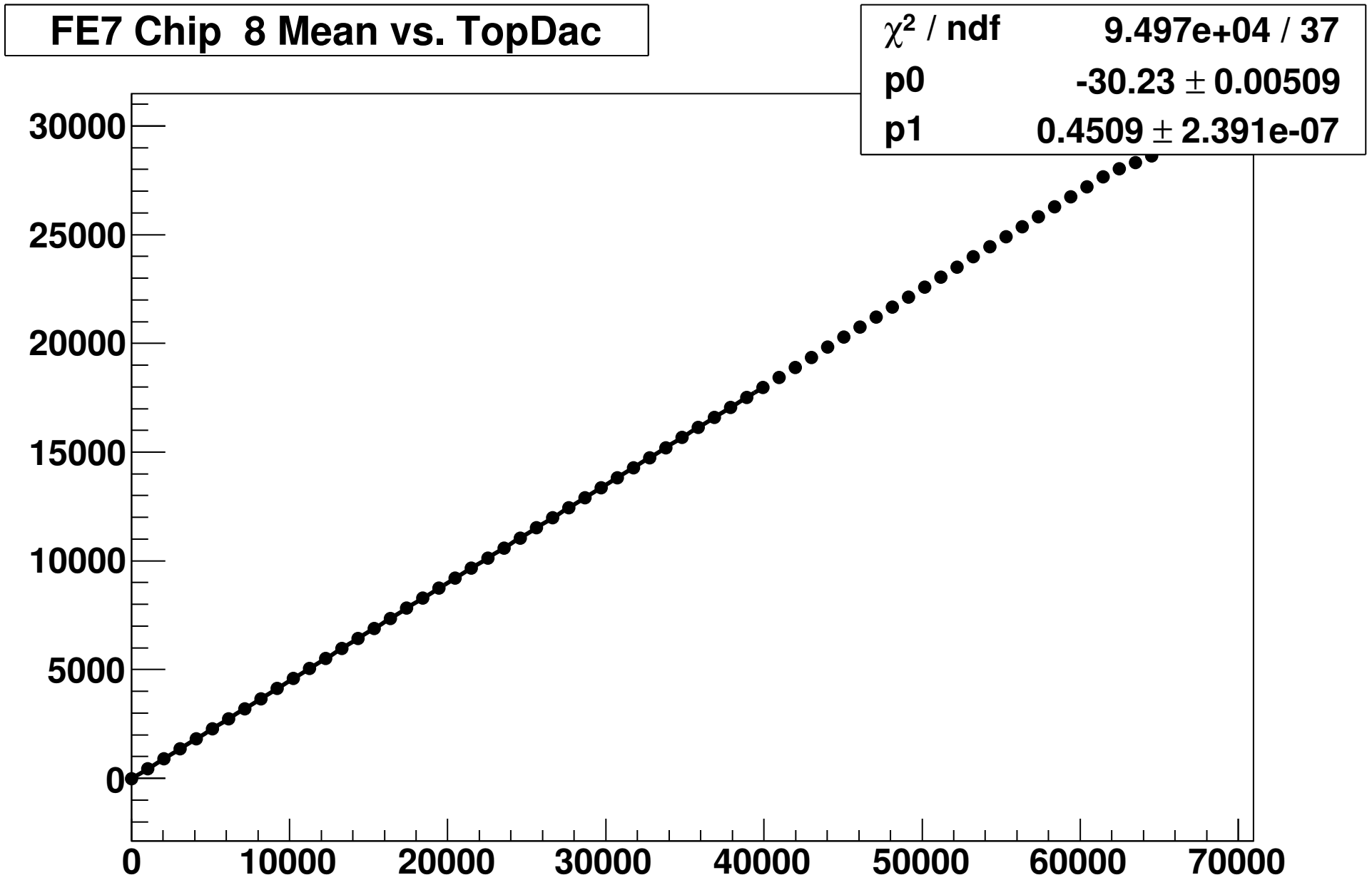

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 41.24 / 37
p0 1.457 ± 0.001755
p1 -2.61e-14 ± 2.235e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

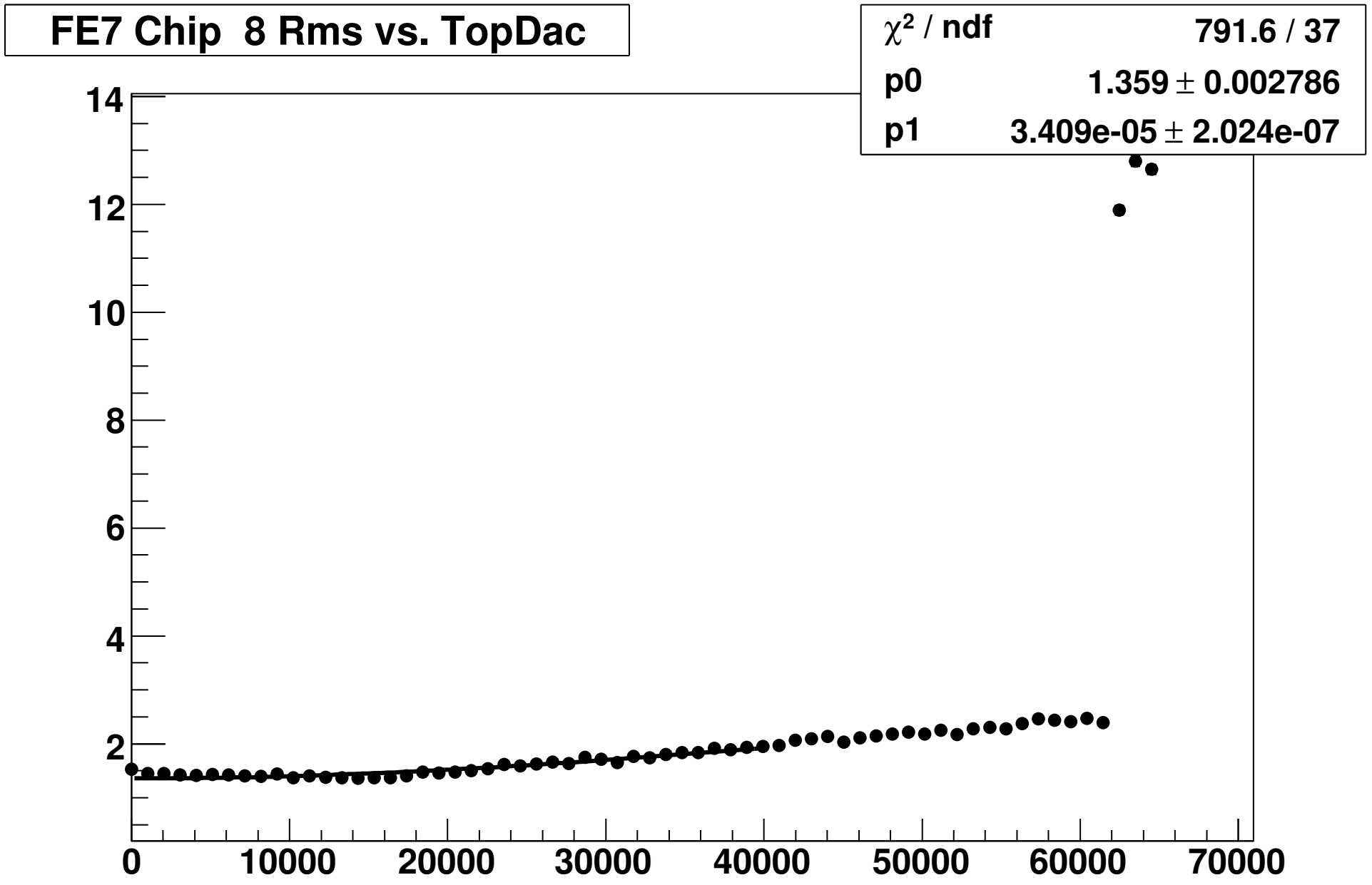

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 6.133e+04 / 37
p0 -20.44 ± 0.005134
p1 0.4509 ± 2.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

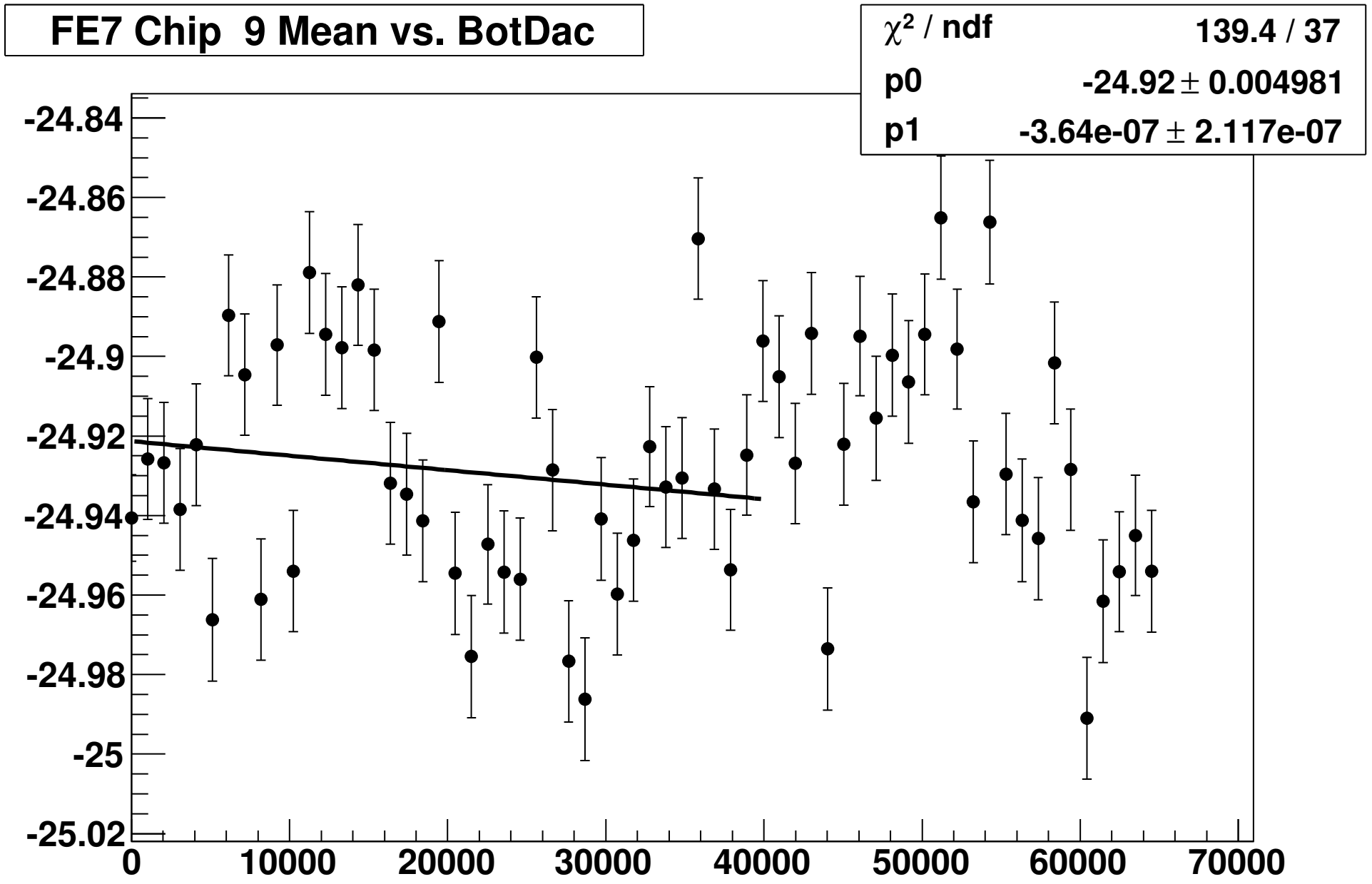

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 955 / 37
p0 1.366 ± 0.0028
p1 3.396e-05 ± 2.047e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

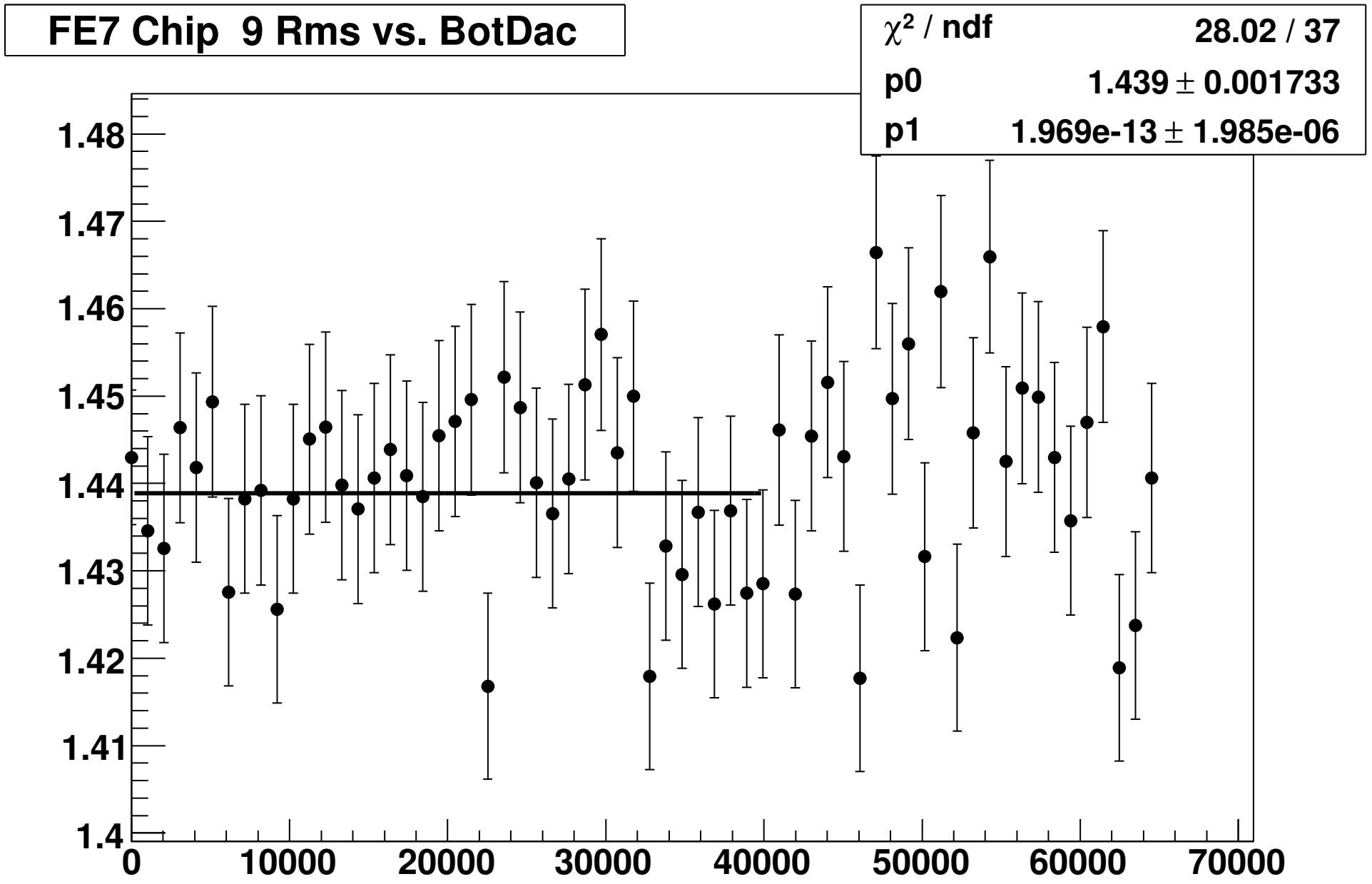

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 131.6 / 37
p0 -30.52 ± 0.005241
p1 -2.891e-07 ± 2.227e-07
-30.46
-30.48
-30.5
-30.52
-30.54
-30.56
-30.58
-30.6
-30.62
0
10000
20000
30000
40000
50000
60000
70000

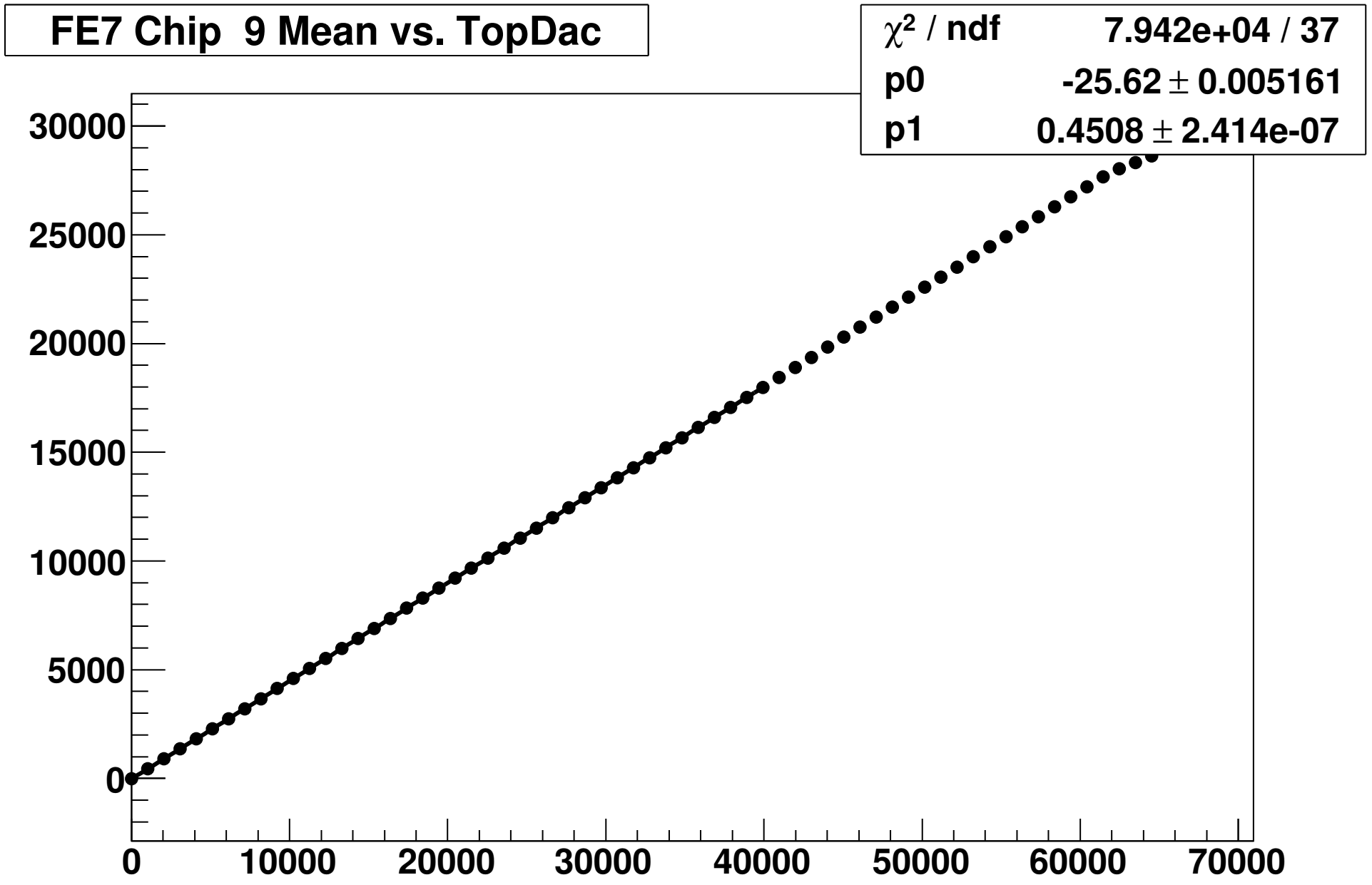

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 39.81 / 37
p0 1.511 ± 0.001818
p1 2.436e-14 ± 2.136e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

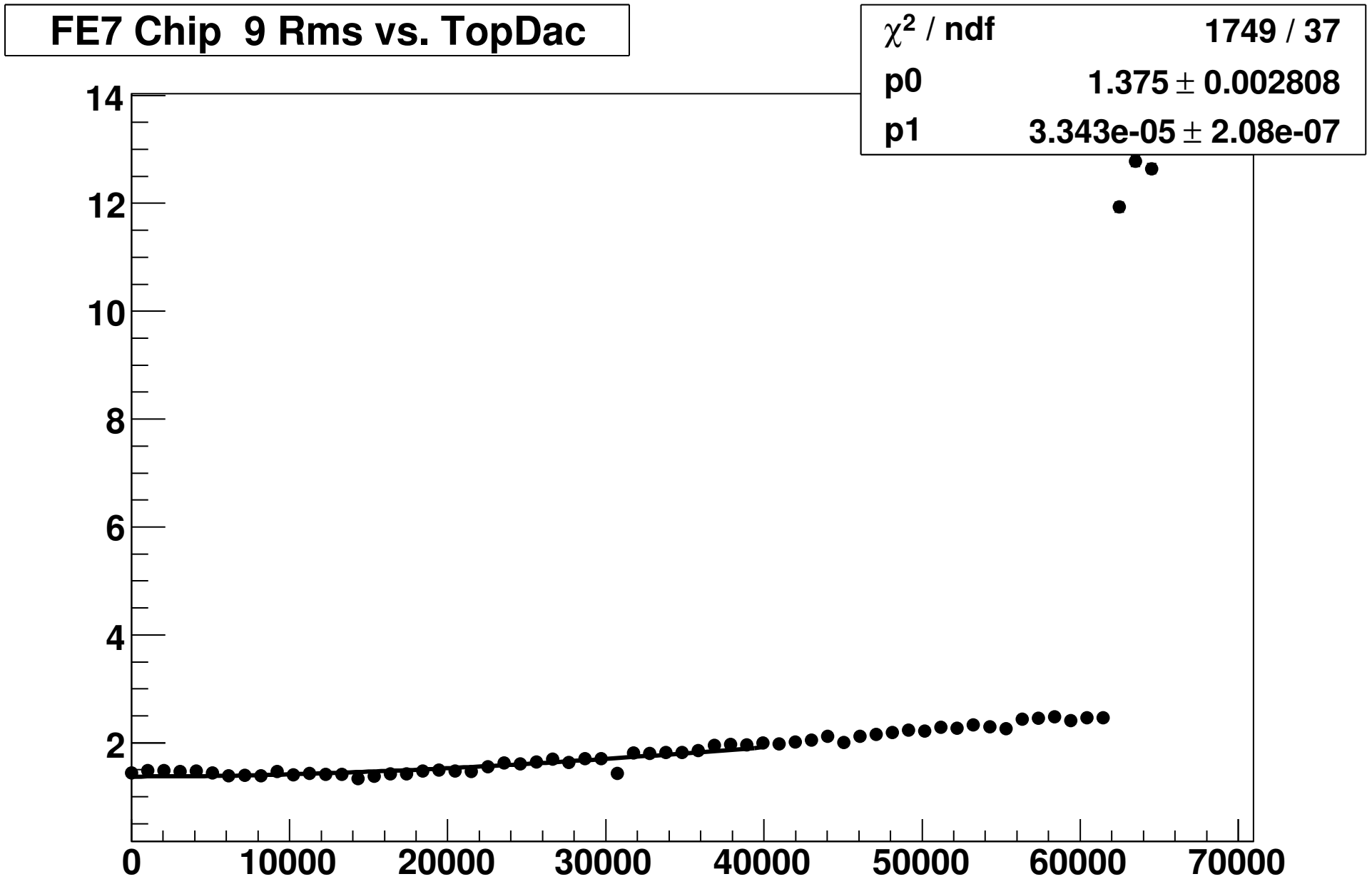

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 9.497e+04 / 37
p0 -30.23 ± 0.00509
p1 0.4509 ± 2.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

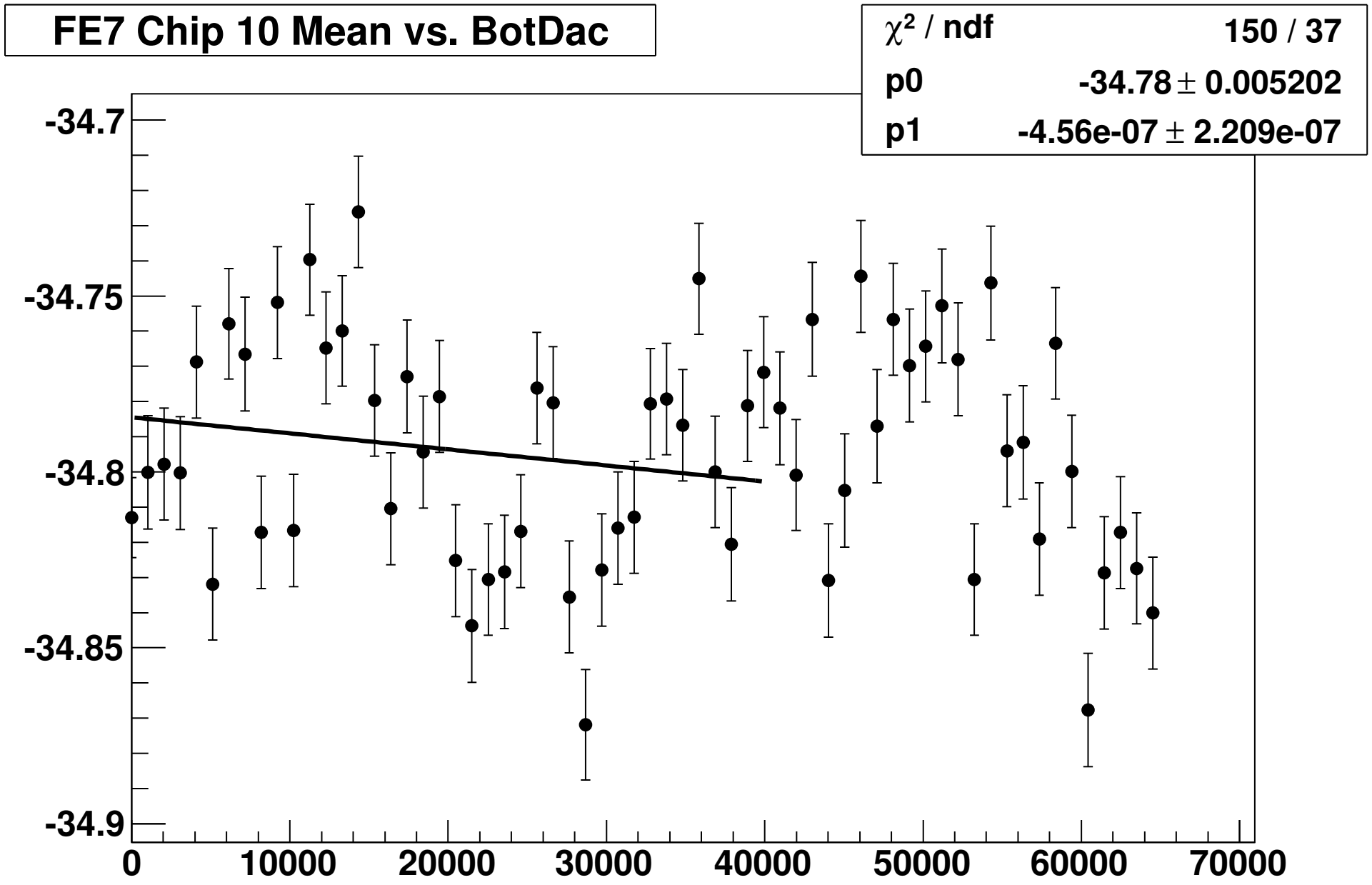

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 791.6 / 37
p0 1.359 ± 0.002786
p1 3.409e-05 ± 2.024e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

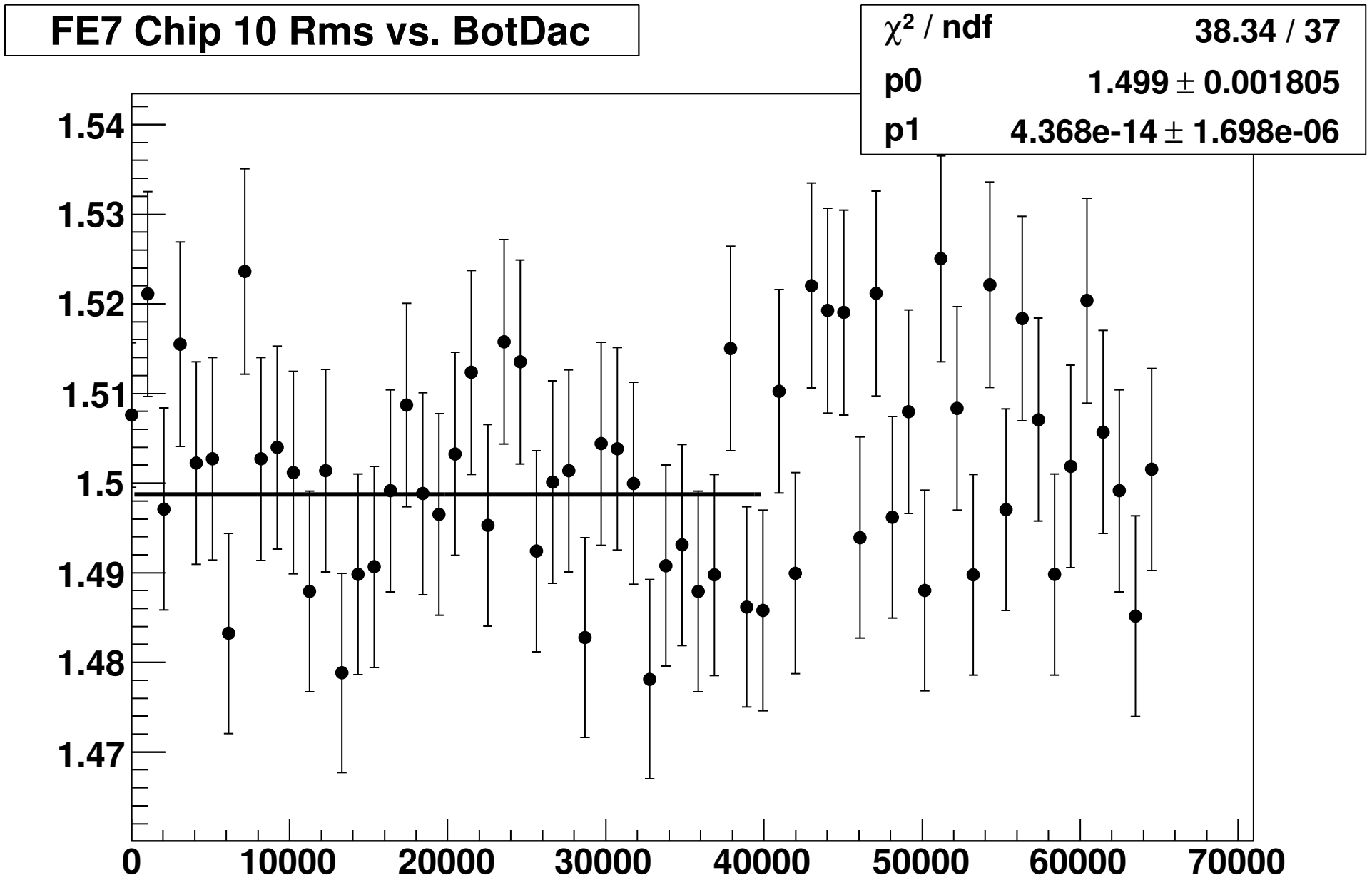

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 139.4 / 37
p0 -24.92 ± 0.004981
p1 -3.64e-07 ± 2.117e-07
-24.84
-24.86
-24.88
-24.9
-24.92
-24.94
-24.96
-24.98
-25
-25.02
0
10000
20000
30000
40000
50000
60000
70000

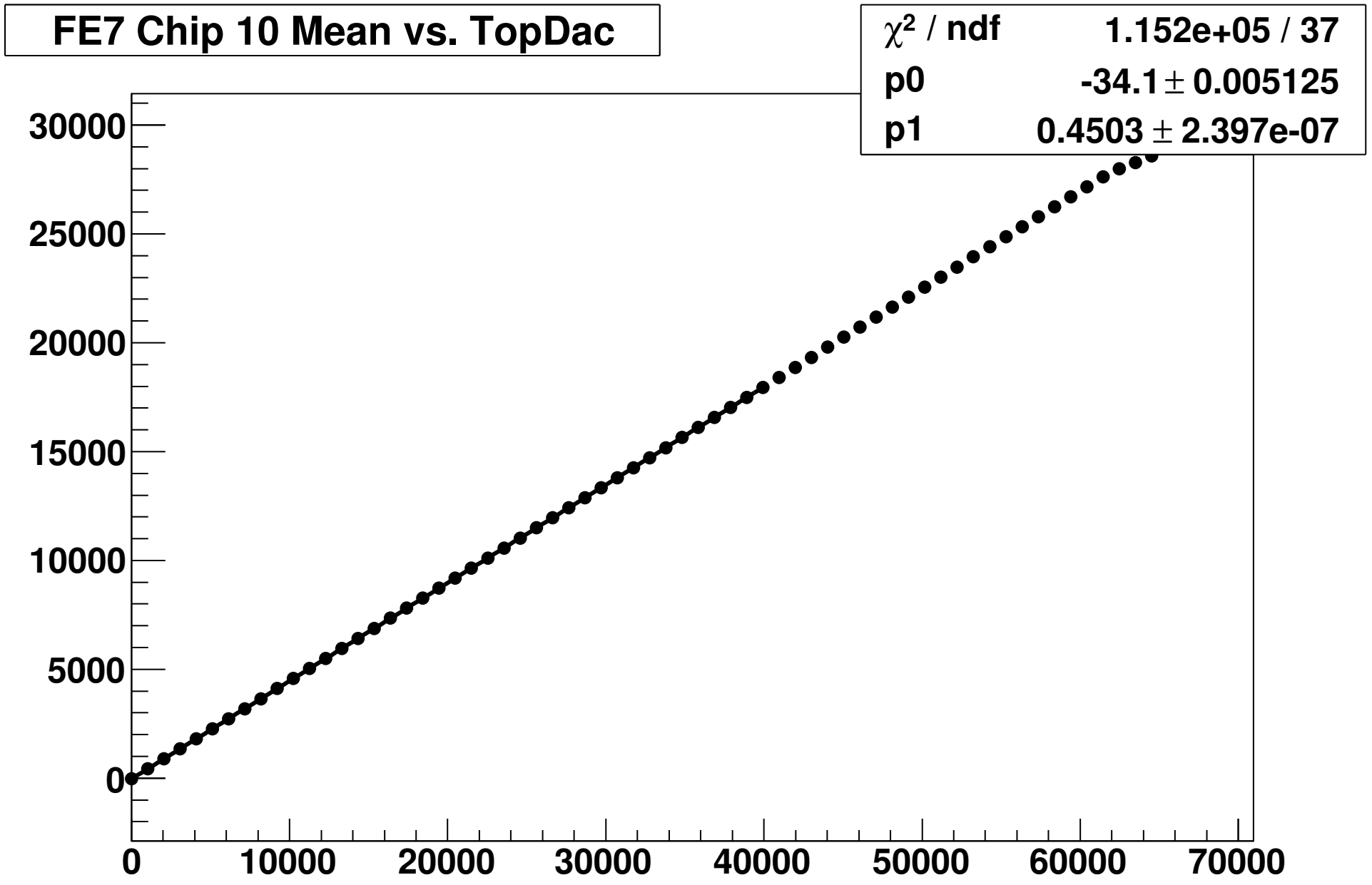

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 28.02 / 37
p0 1.439 ± 0.001733
p1 1.969e-13 ± 1.985e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

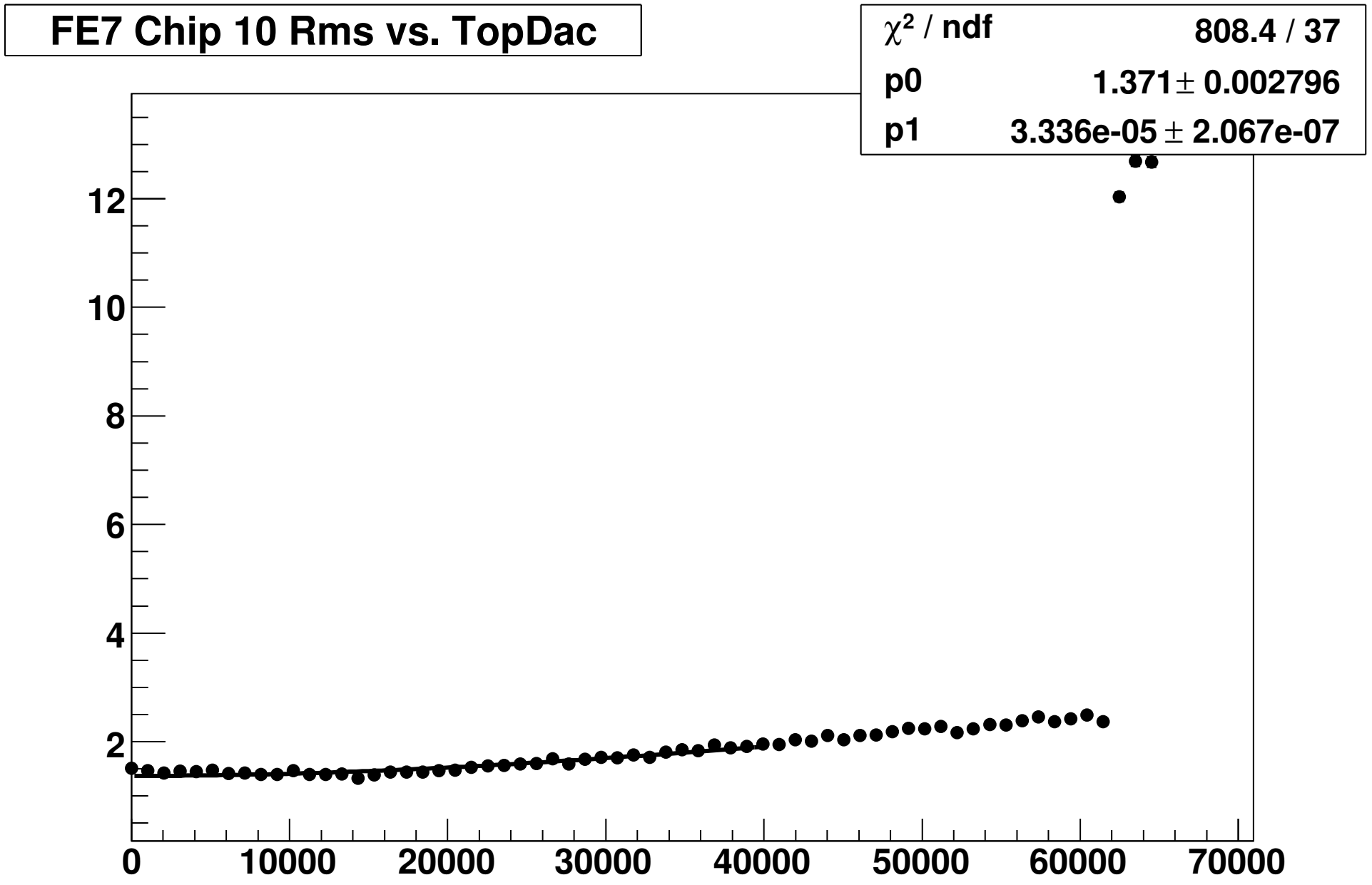

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 7.942e+04 / 37
p0 -25.62 ± 0.005161
p1 0.4508 ± 2.414e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

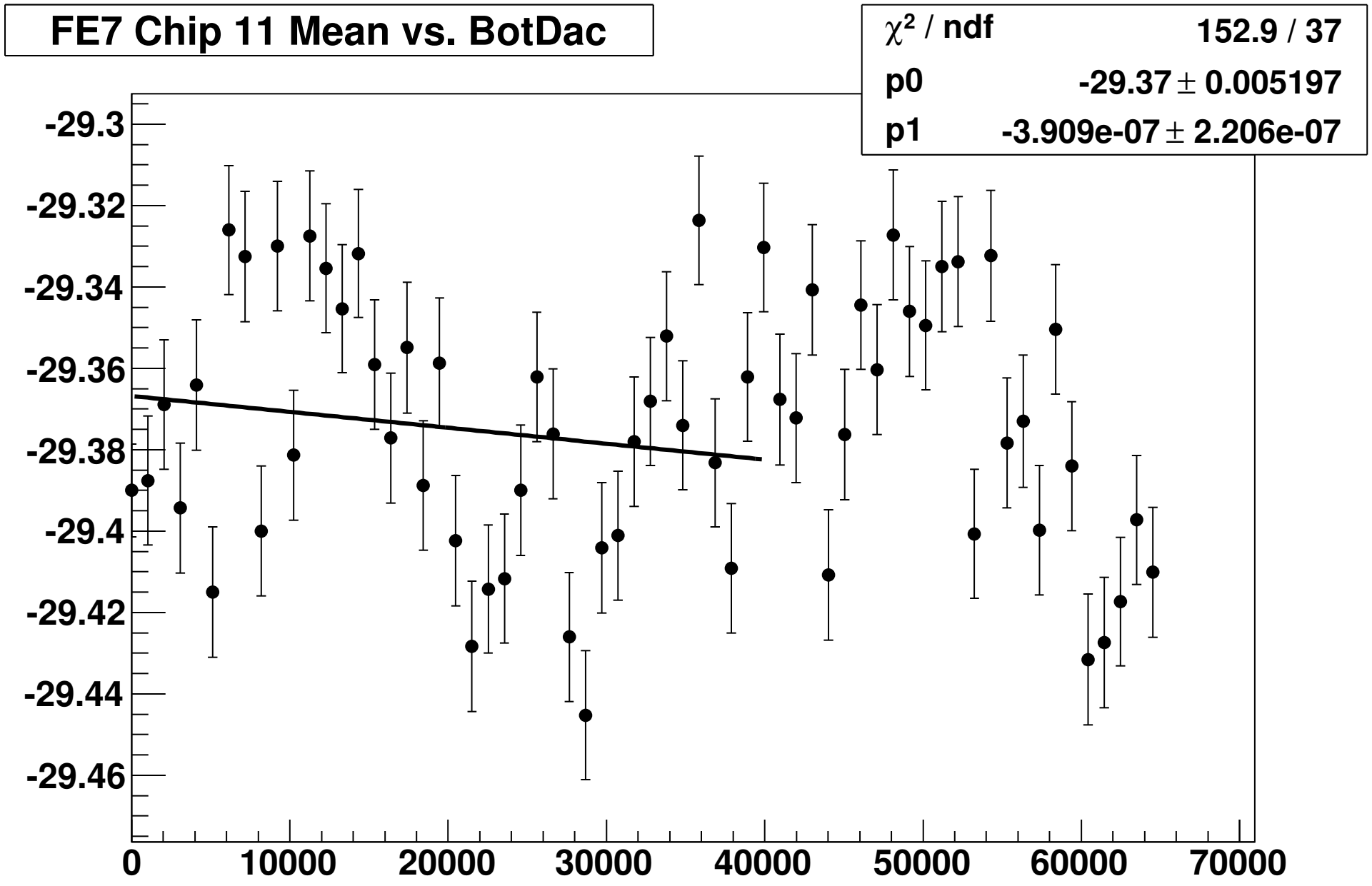

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1749 / 37
p0 1.375 ± 0.002808
p1 3.343e-05 ± 2.08e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

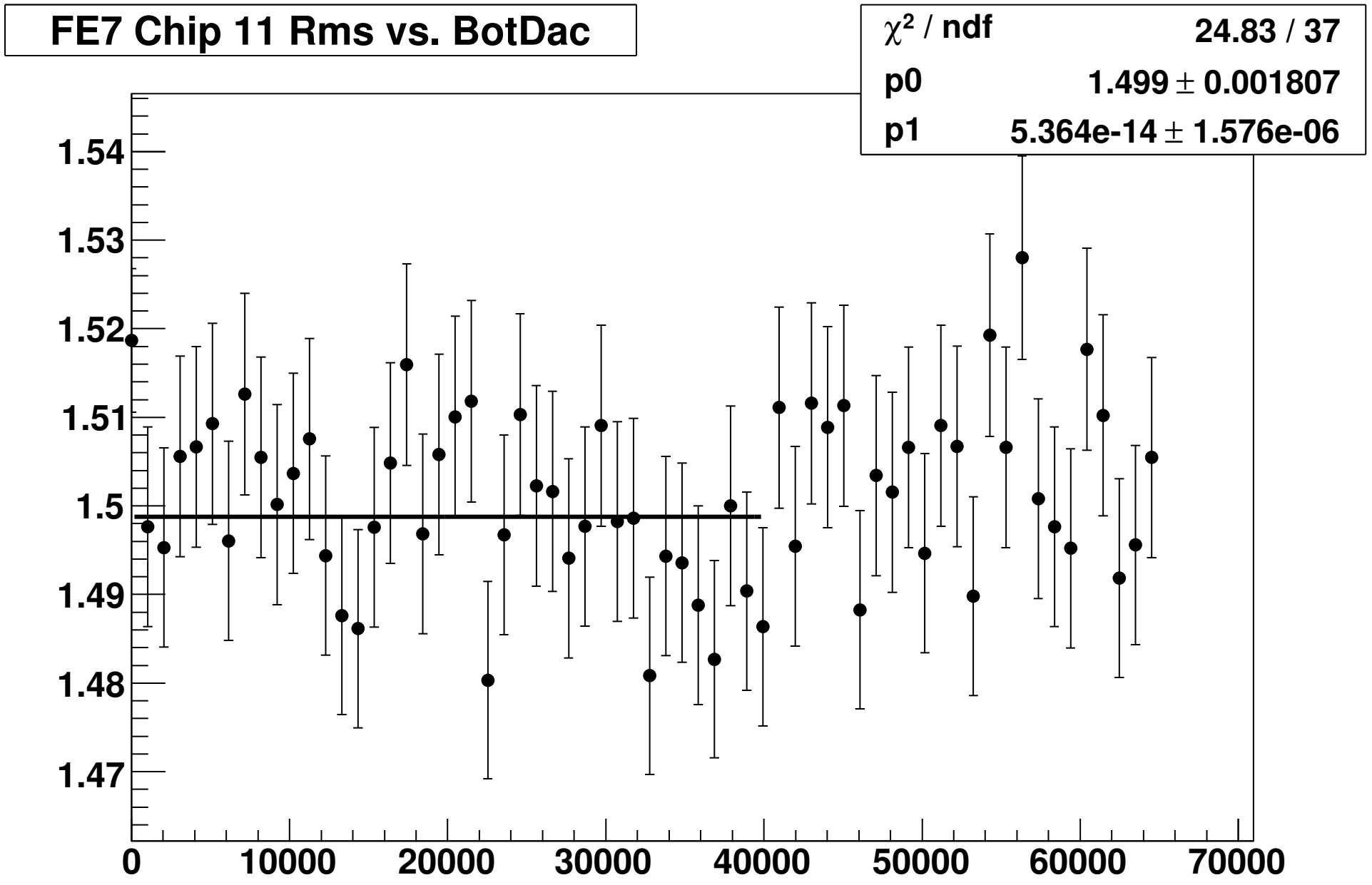

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 150 / 37
p0 -34.78 ± 0.005202
p1 -4.56e-07 ± 2.209e-07
-34.7
-34.75
-34.8
-34.85
-34.9
0
10000
20000
30000
40000
50000
60000
70000

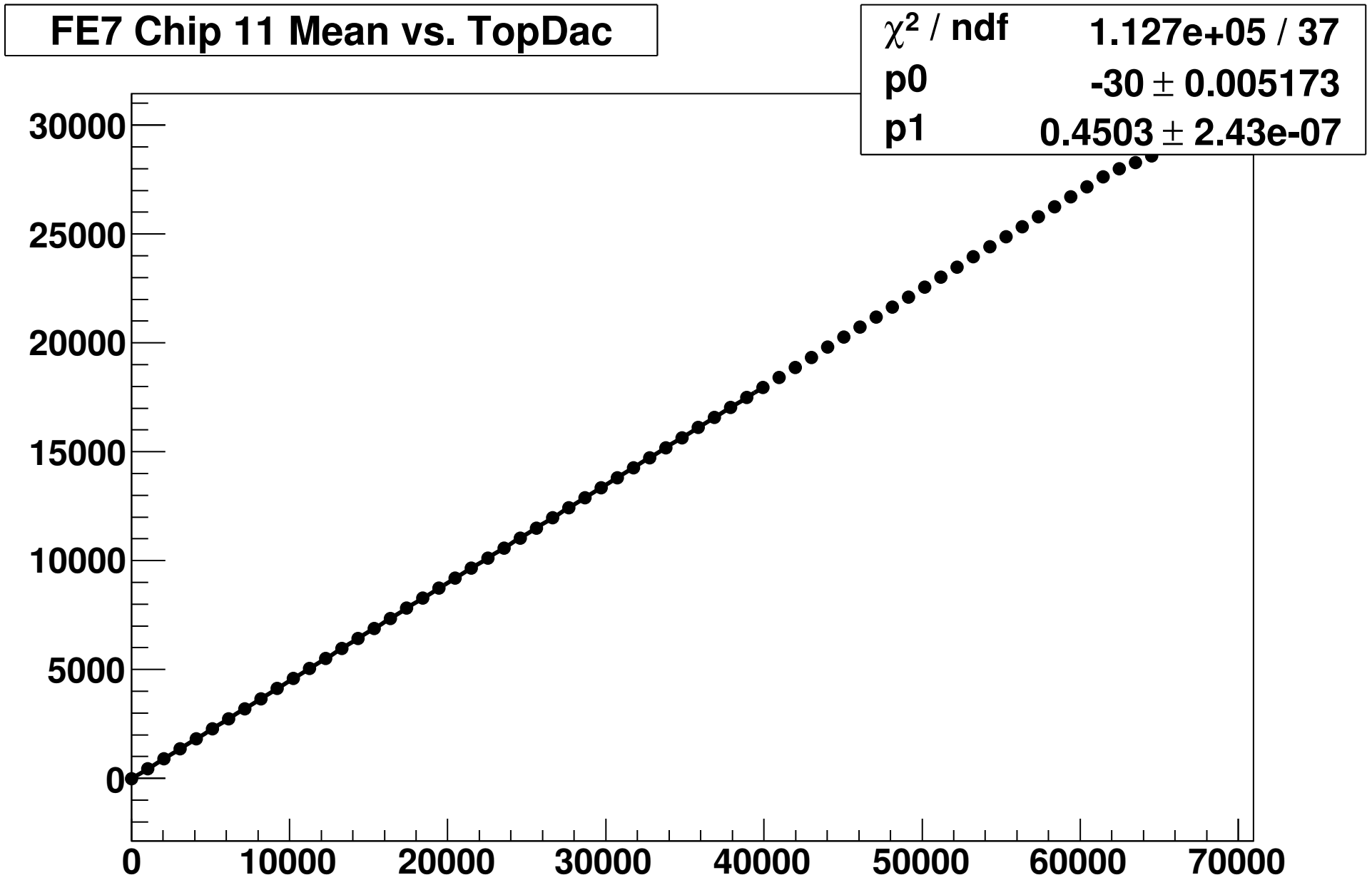

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 38.34 / 37
p0 1.499 ± 0.001805
p1 4.368e-14 ± 1.698e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

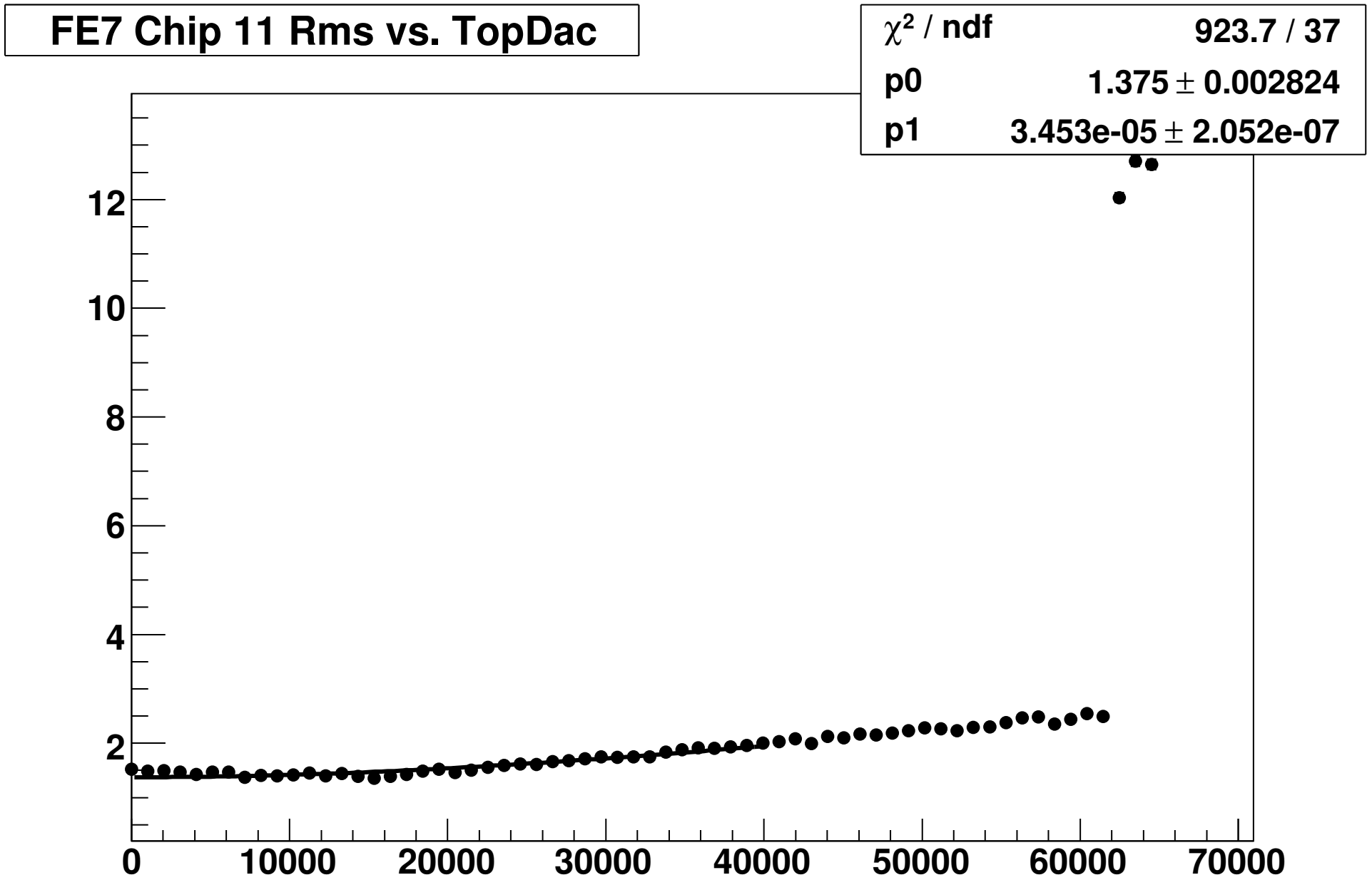

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.152e+05 / 37
p0 -34.1 ± 0.005125
p1 0.4503 ± 2.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

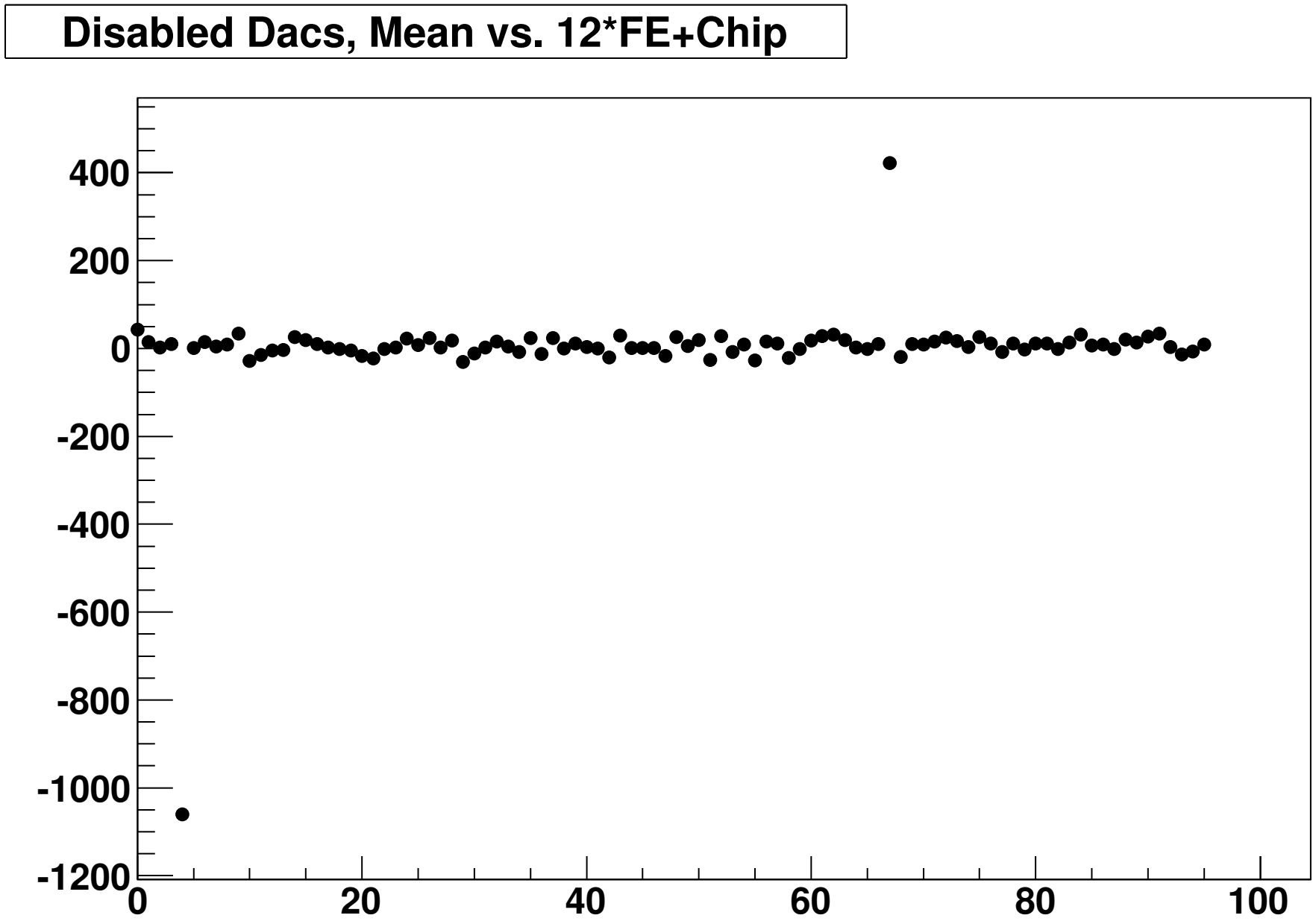

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 808.4 / 37
p0 1.371 ± 0.002796
p1 3.336e-05 ± 2.067e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

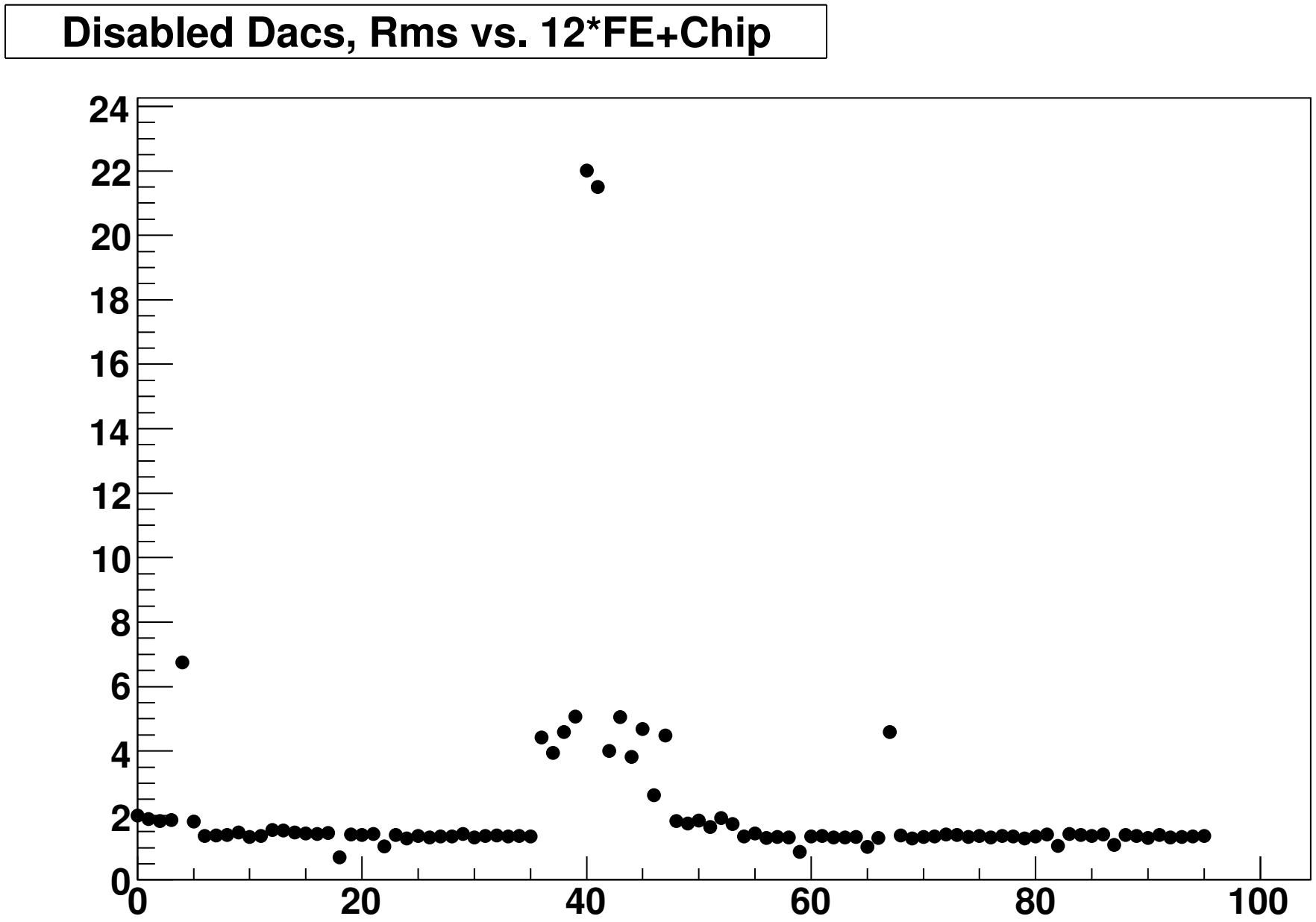

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 152.9 / 37
p0 -29.37 ± 0.005197
p1 -3.909e-07 ± 2.206e-07
-29.3
-29.32
-29.34
-29.36
-29.38
-29.4
-29.42
-29.44
-29.46
0
10000
20000
30000
40000
50000
60000
70000

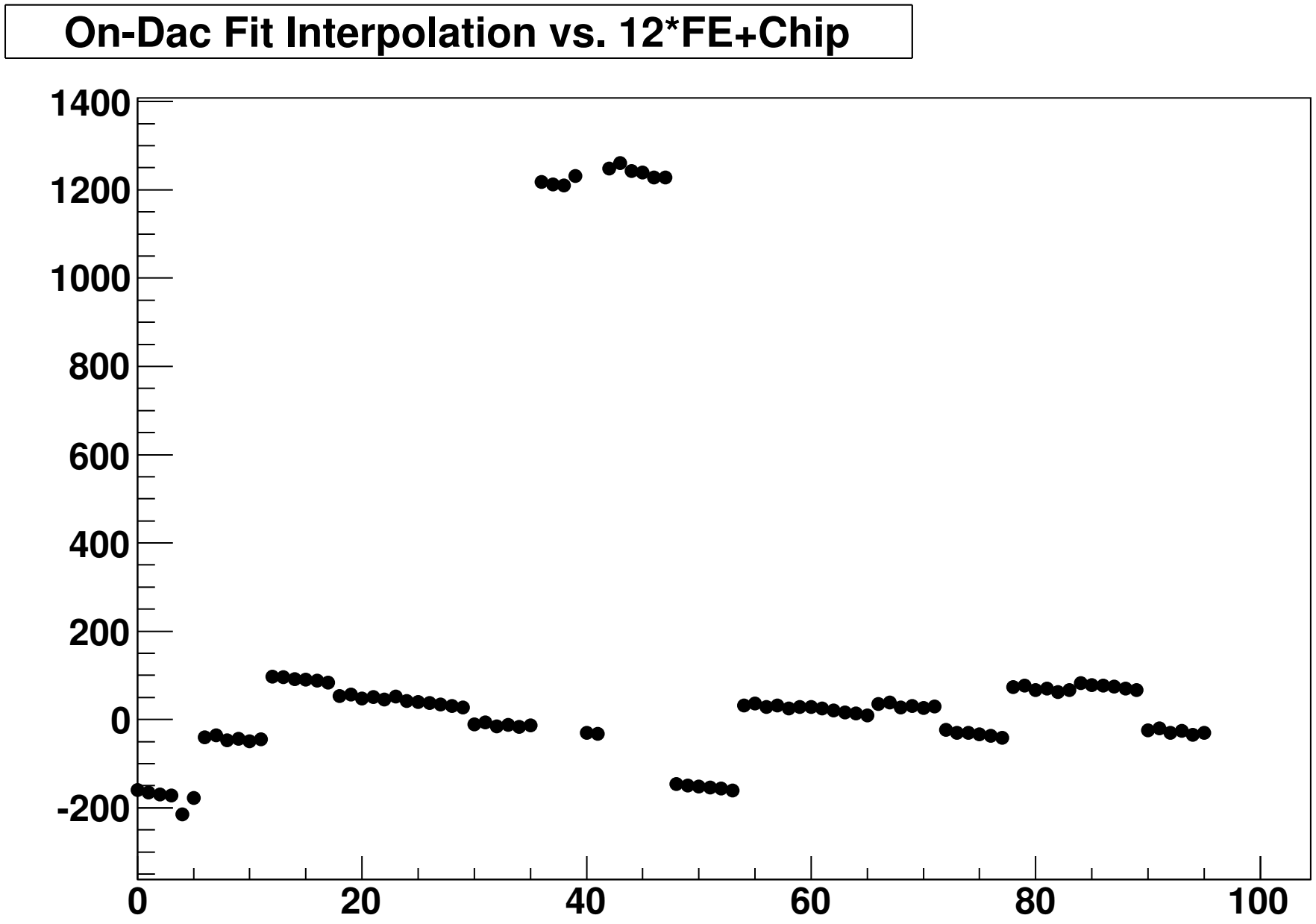

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 24.83 / 37
p0 1.499 ± 0.001807
p1 5.364e-14 ± 1.576e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

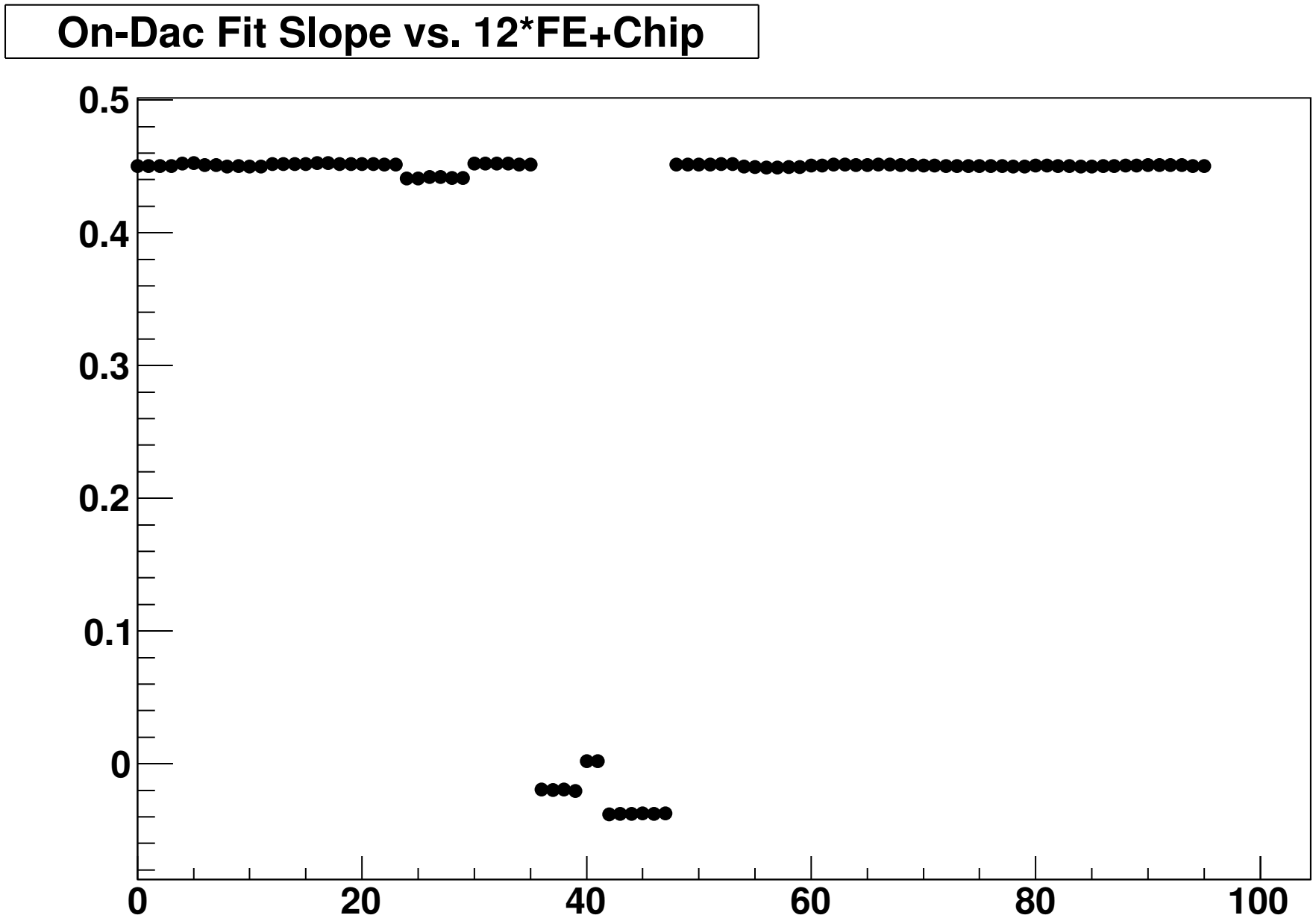

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 1.127e+05 / 37
p0 -30 ± 0.005173
p1 0.4503 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

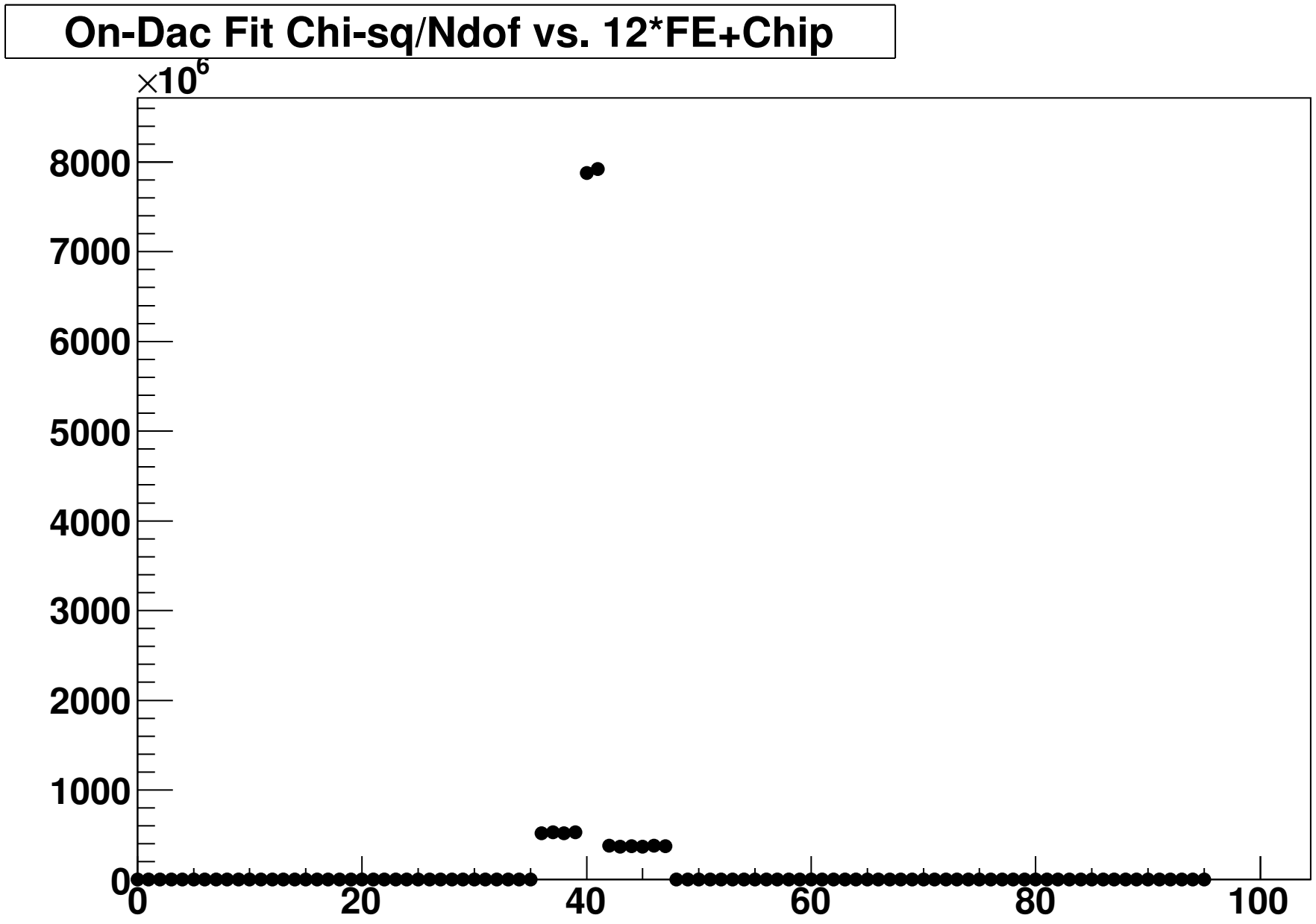

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 923.7 / 37
p0 1.375 ± 0.002824
p1 3.453e-05 ± 2.052e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

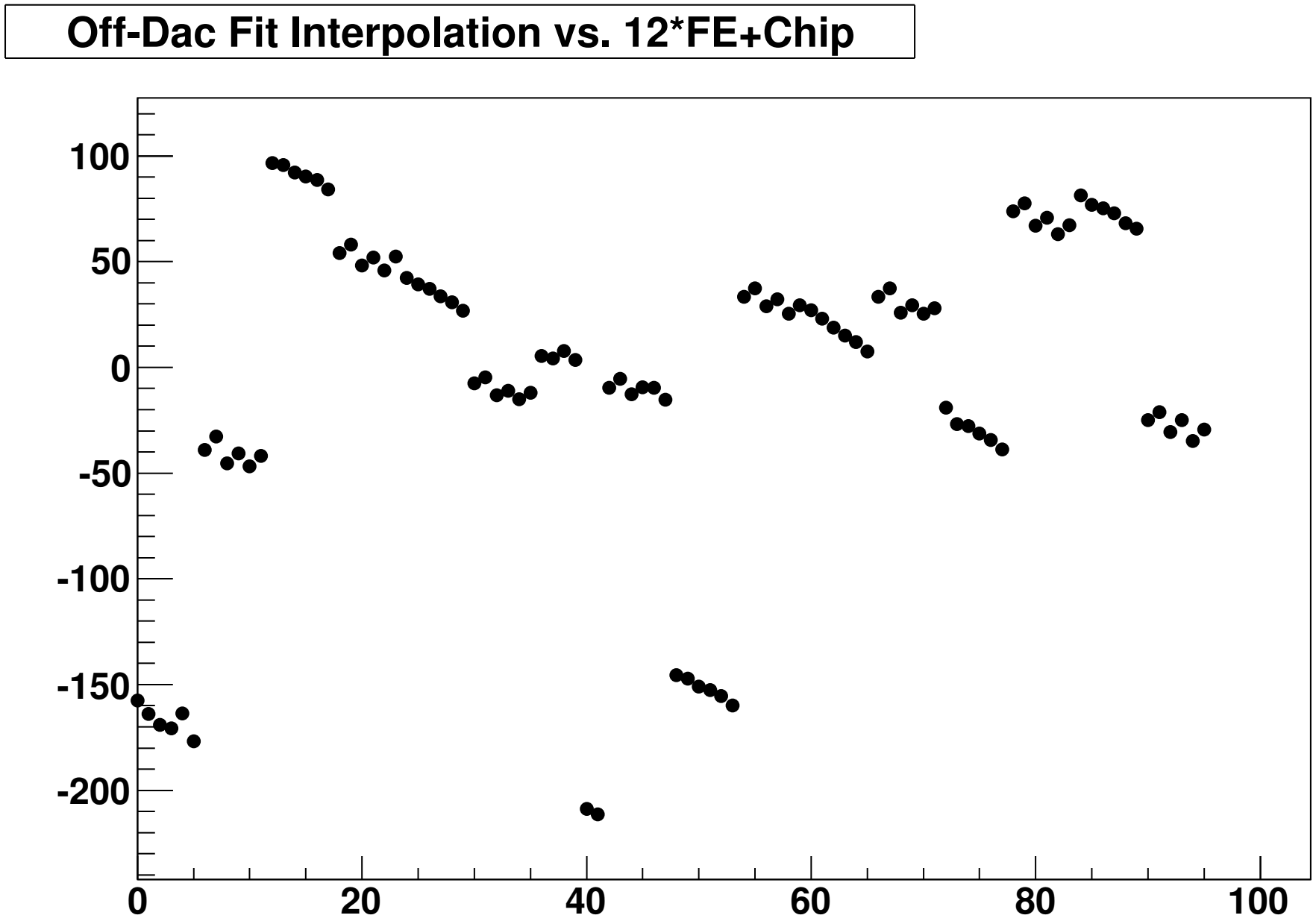

Disabled Dacs, Mean vs. 12*FE+Chip
400
200
0
-200
-400
-600
-800
-1000
-1200
0
20
40
60
80
100

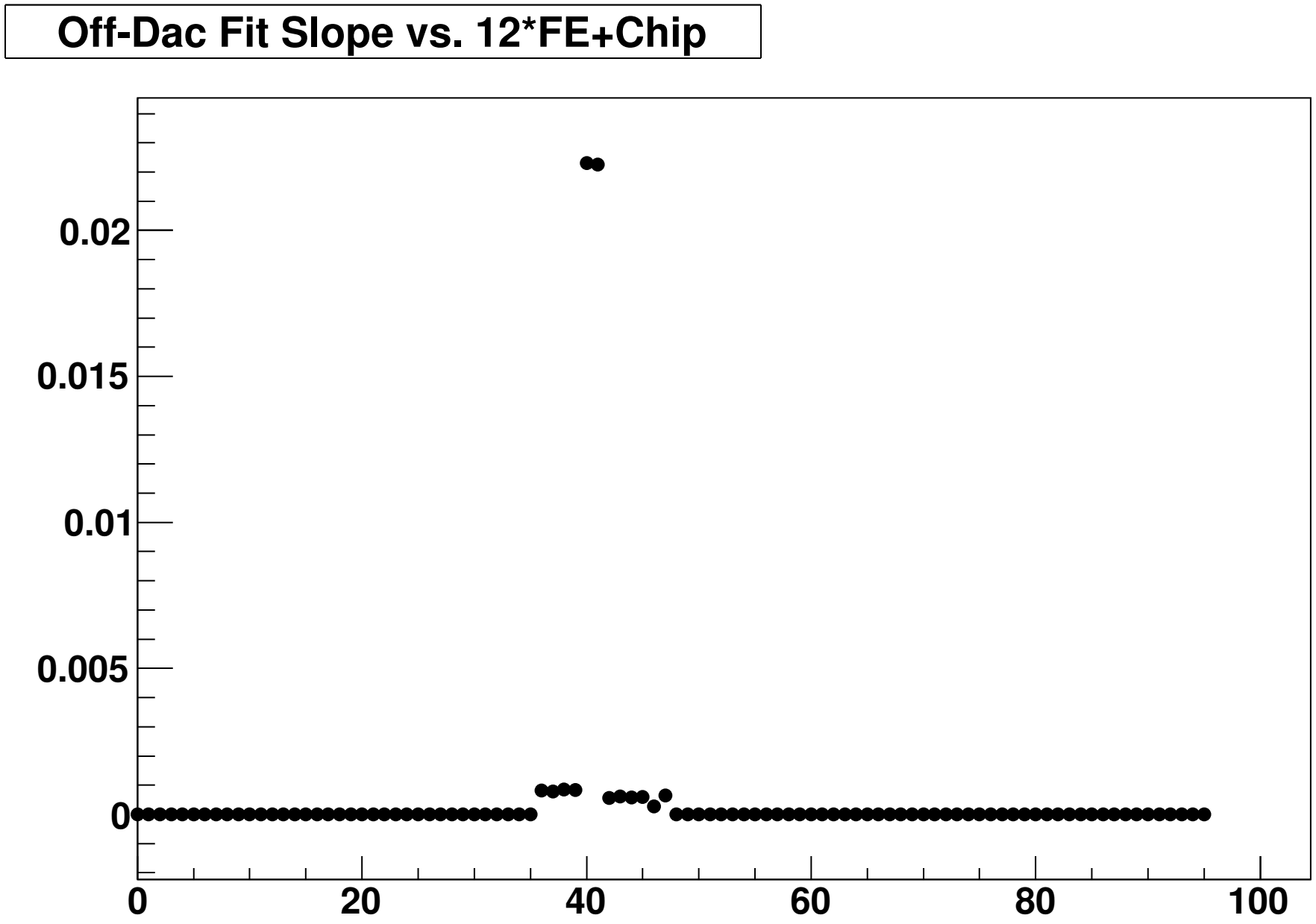

Disabled Dacs, Rms vs. 12*FE+Chip
24
22
20
18
16
14
12
10
8
6
4
2
0
0
20
40
60
80
100

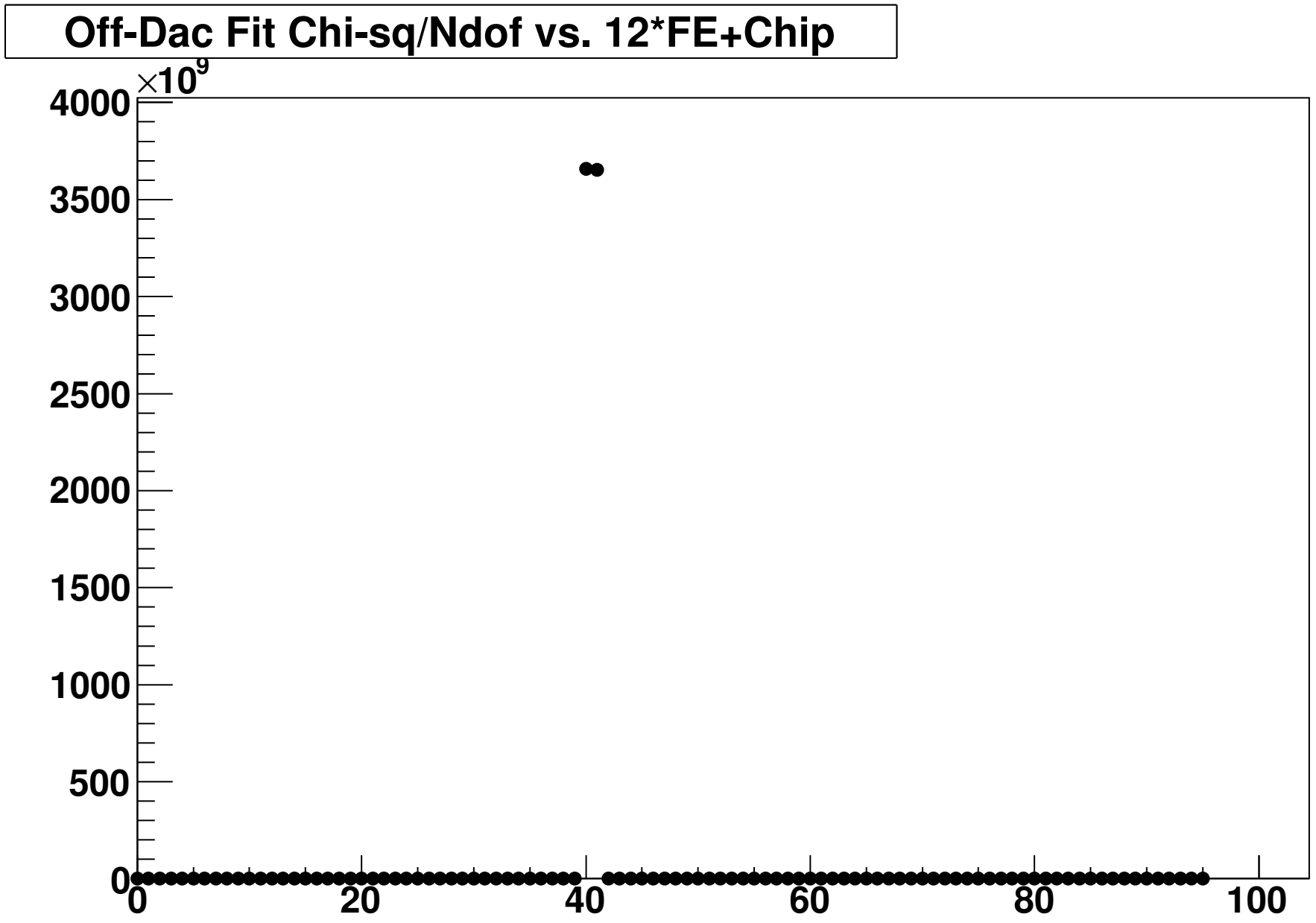

On-Dac Fit Interpolation vs. 12*FE+Chip
1400
1200
1000
800
600
400
200
0
-200
0
20
40
60
80
100

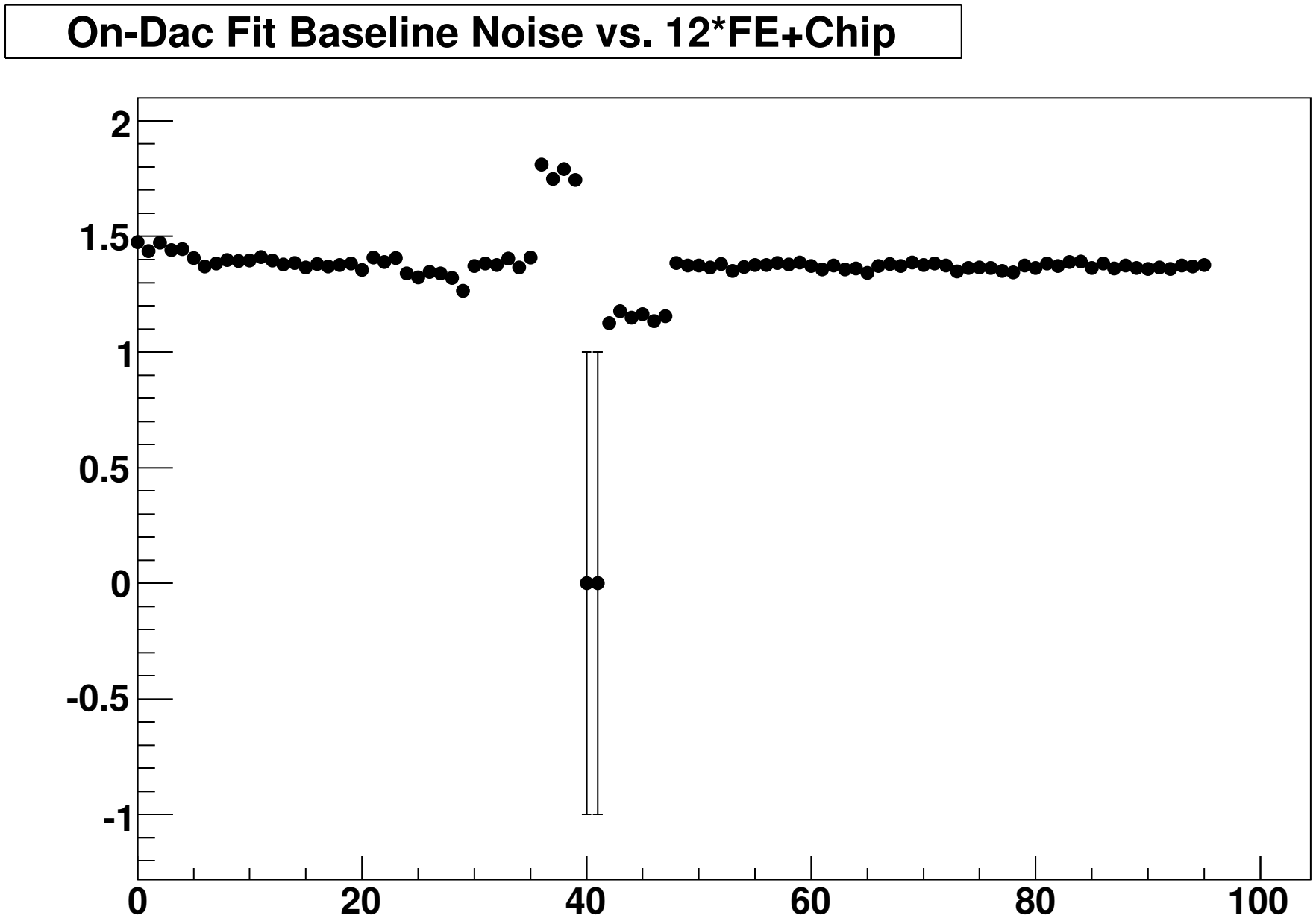

On-Dac Fit Slope vs. 12*FE+Chip
0.5
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100

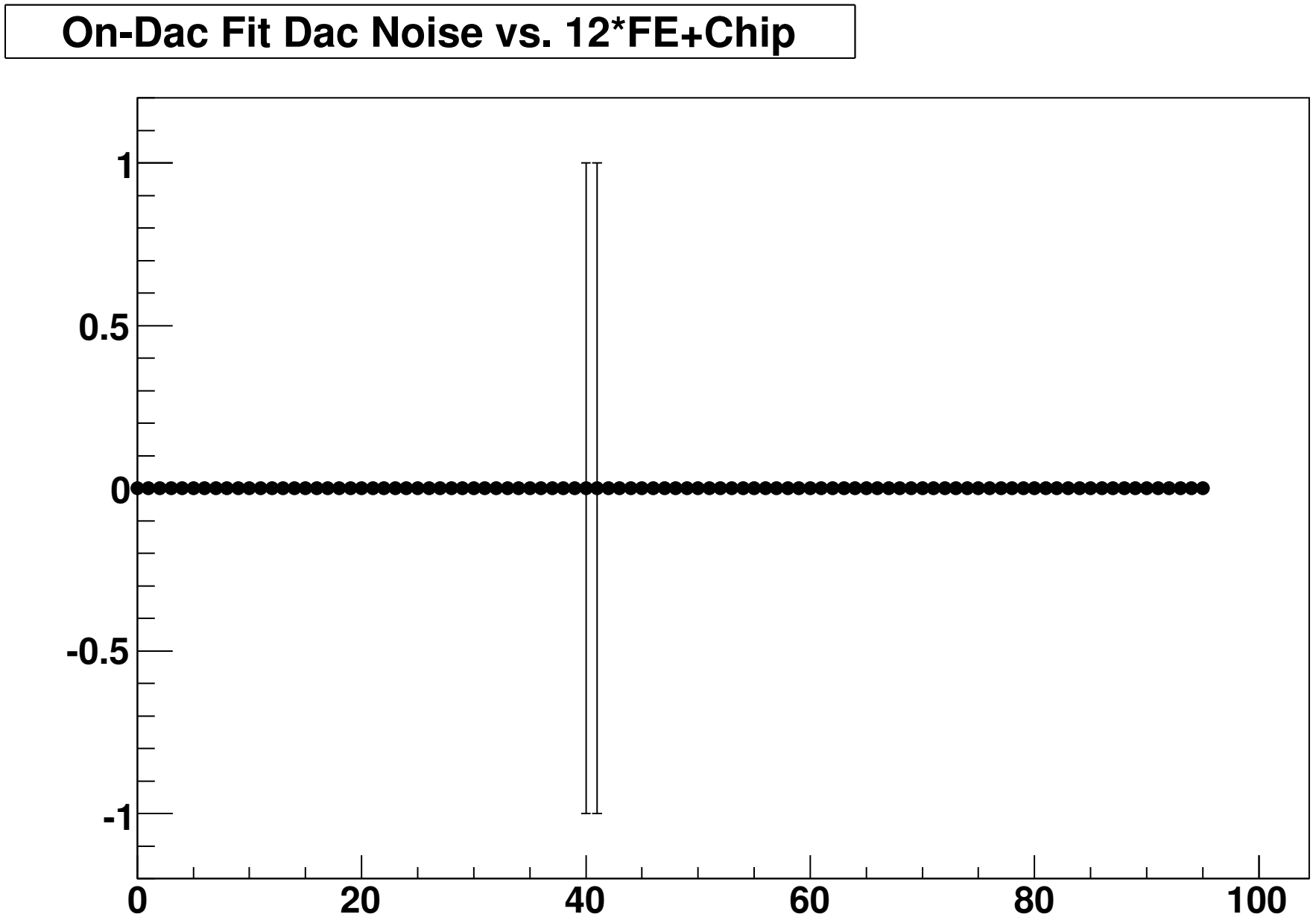

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

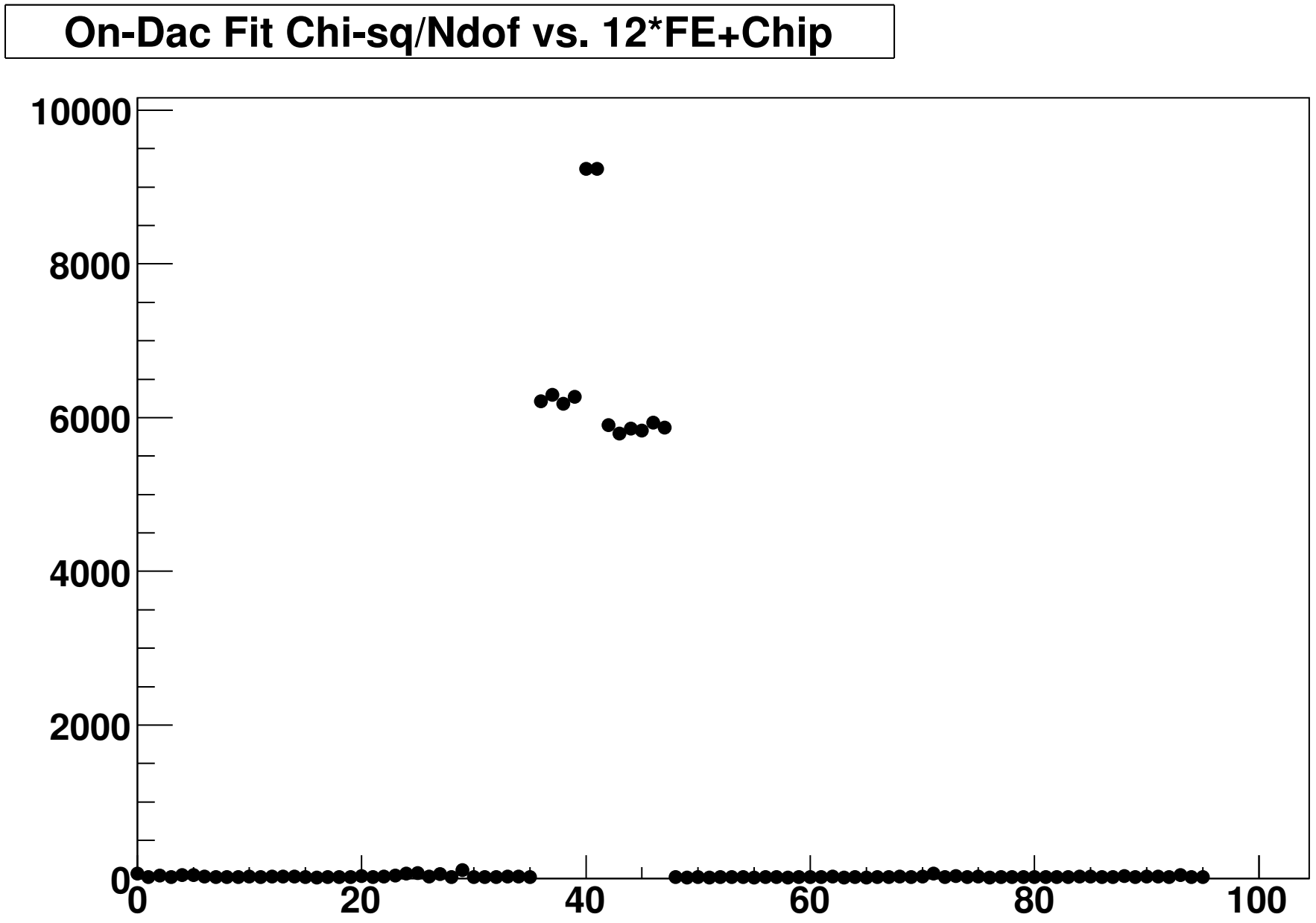

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
-150
-200
0
20
40
60
80
100

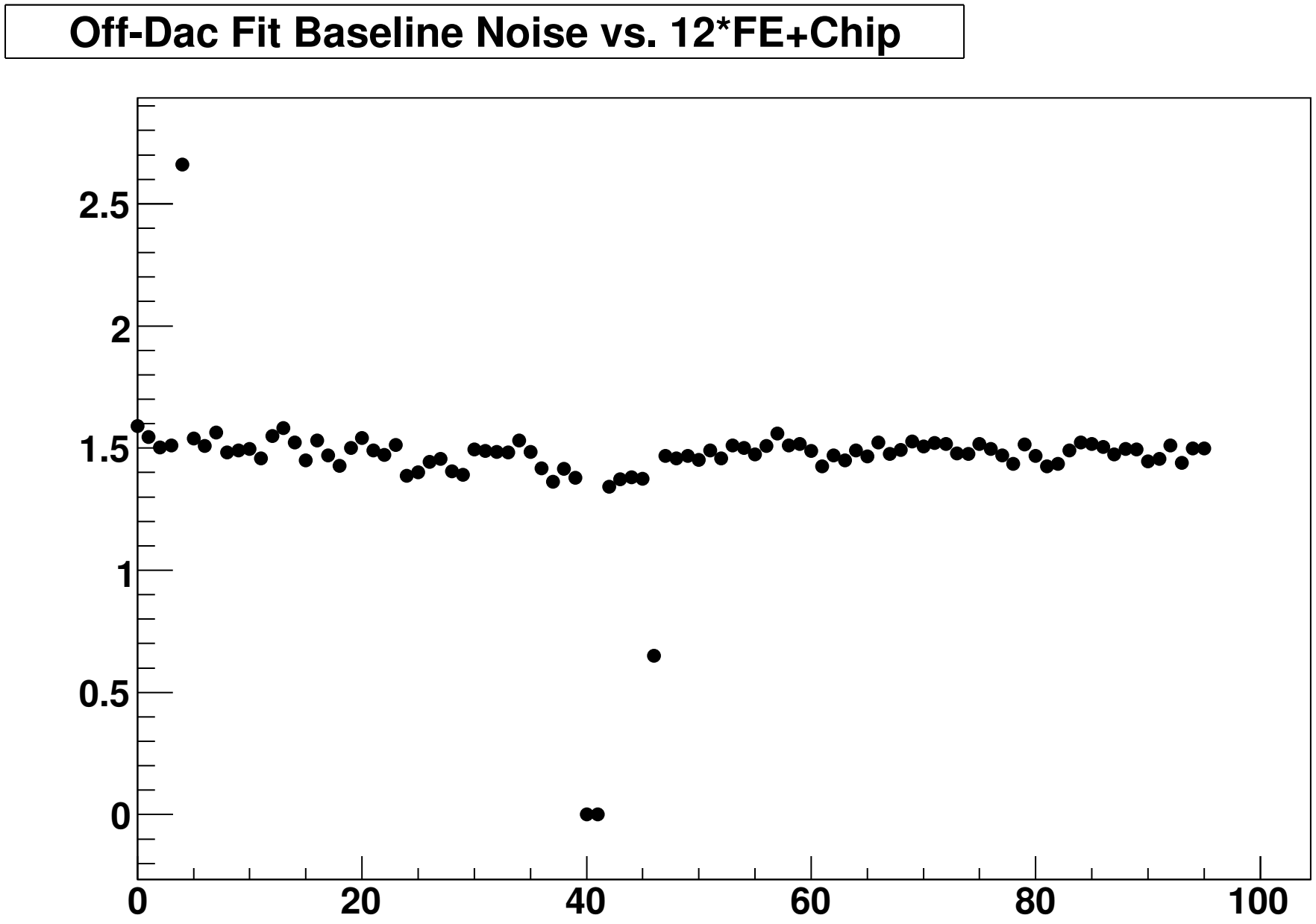

Off-Dac Fit Slope vs. 12*FE+Chip
0.02
0.015
0.01
0.005
0
0
20
40
60
80
100

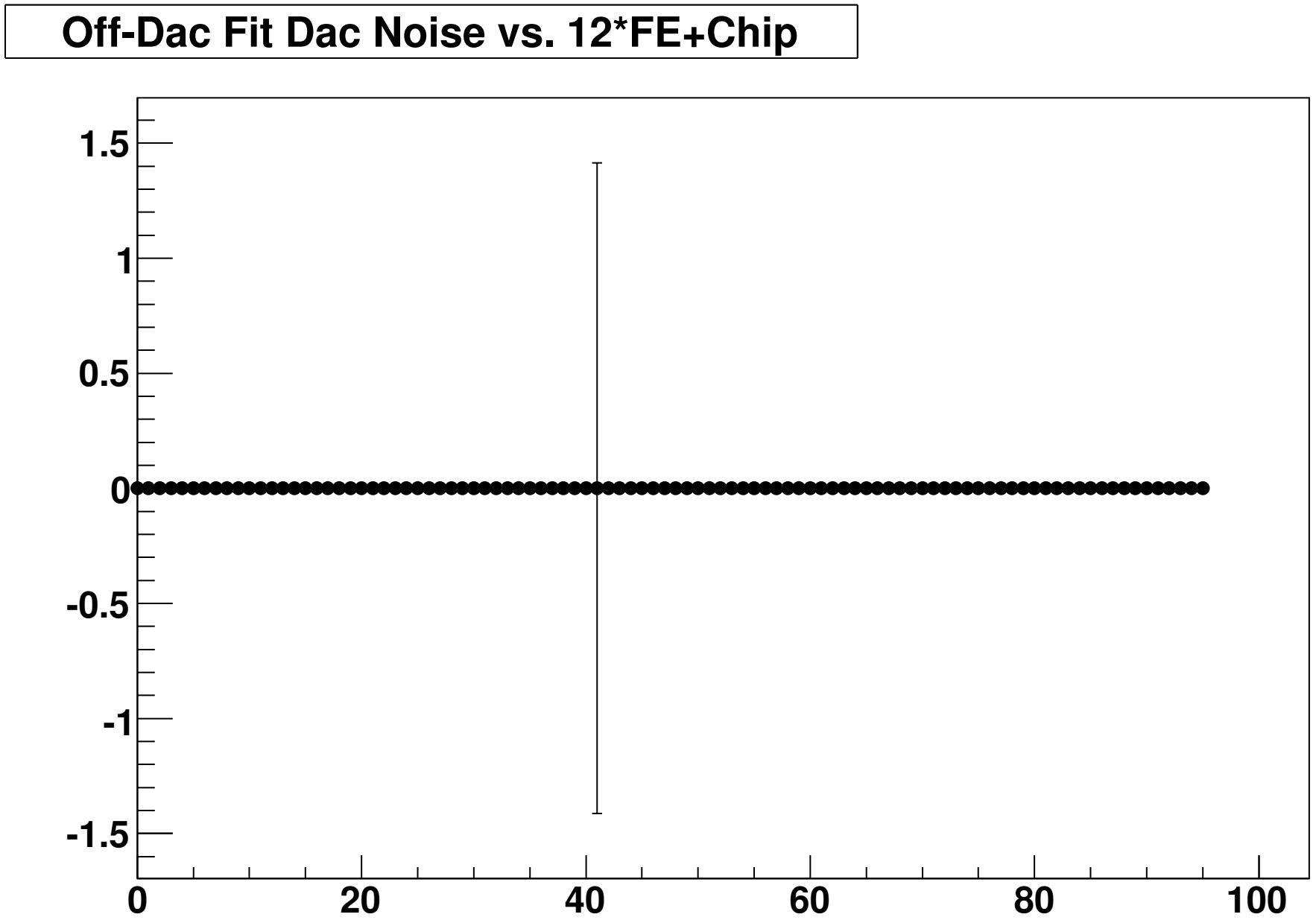

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^9
4000
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100

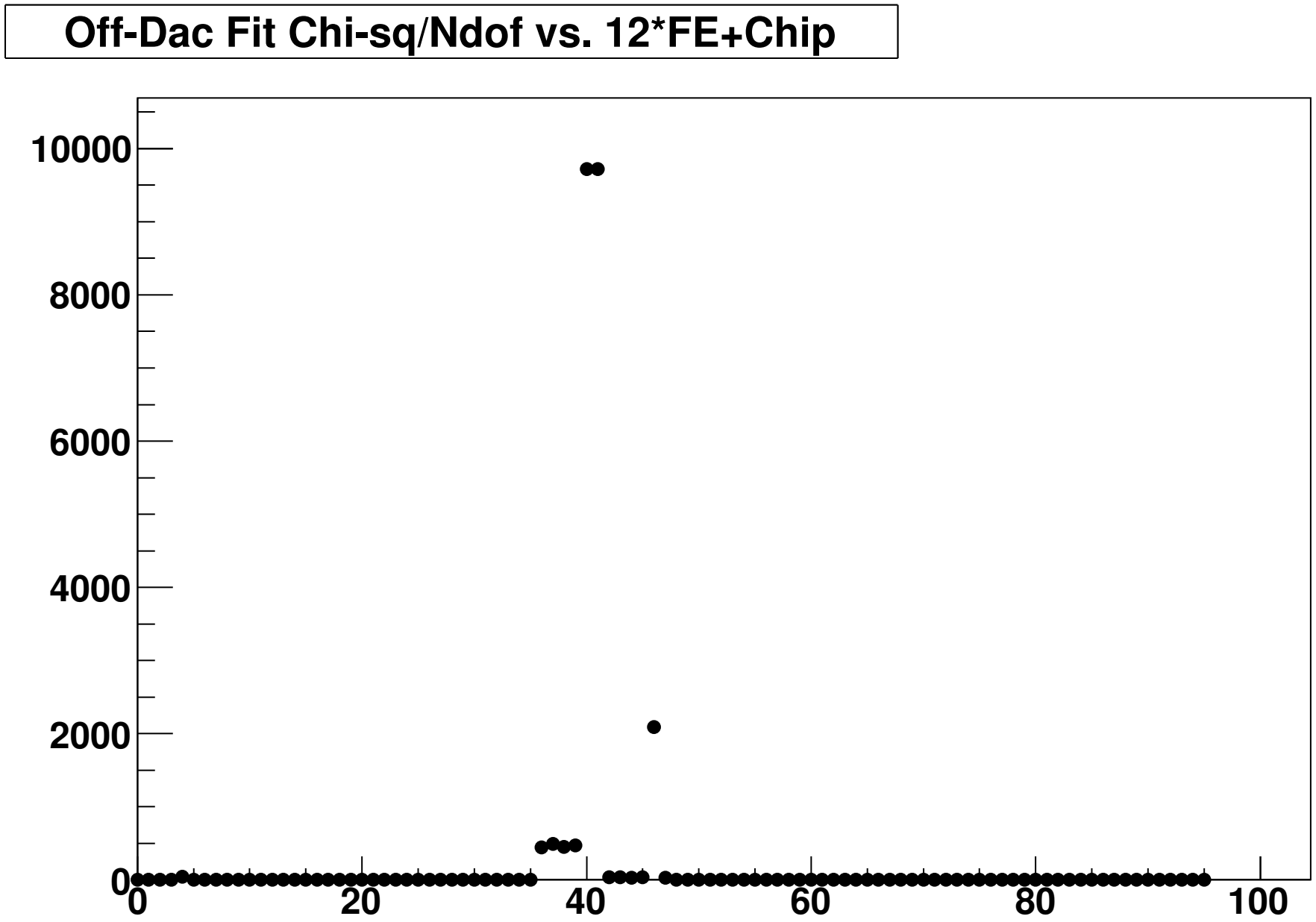

On-Dac Fit Baseline Noise vs. 12*FE+Chip
2
1.5
1
0.5
0
-0.5
-1
0
20
40
60
80
100

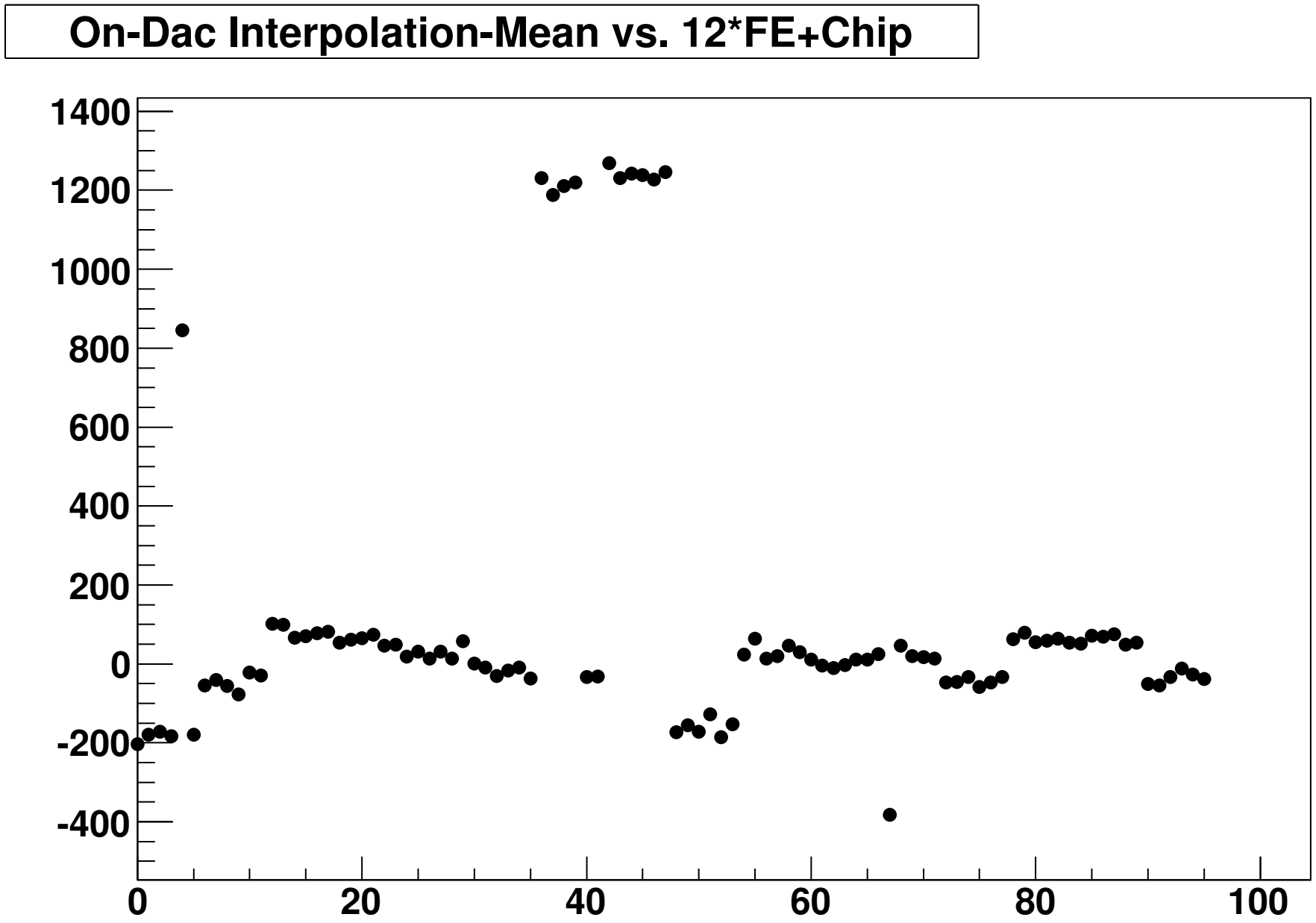

On-Dac Fit Dac Noise vs. 12*FE+Chip
1
0.5
0
-0.5
-1
0
20
40
60
80
100

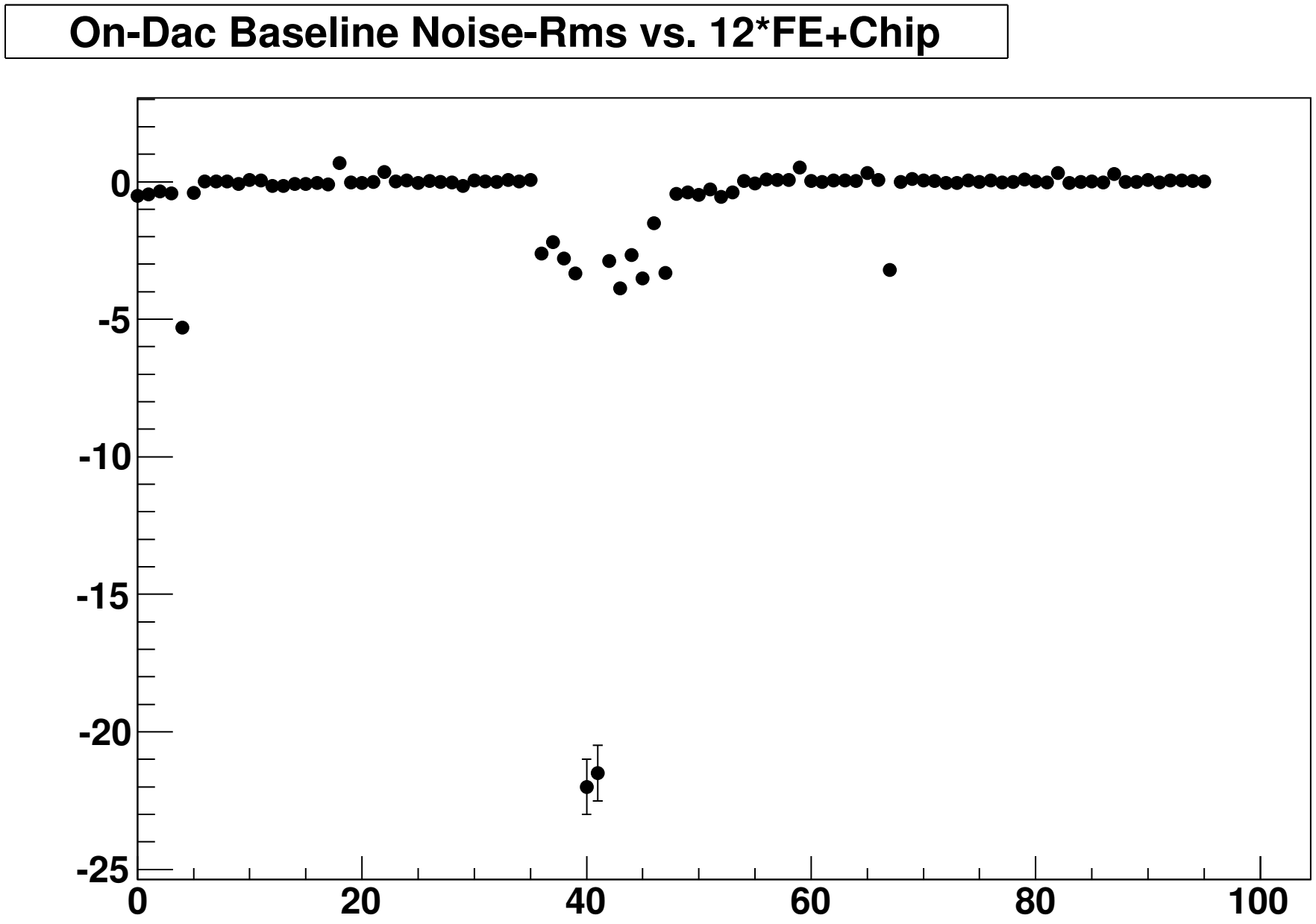

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

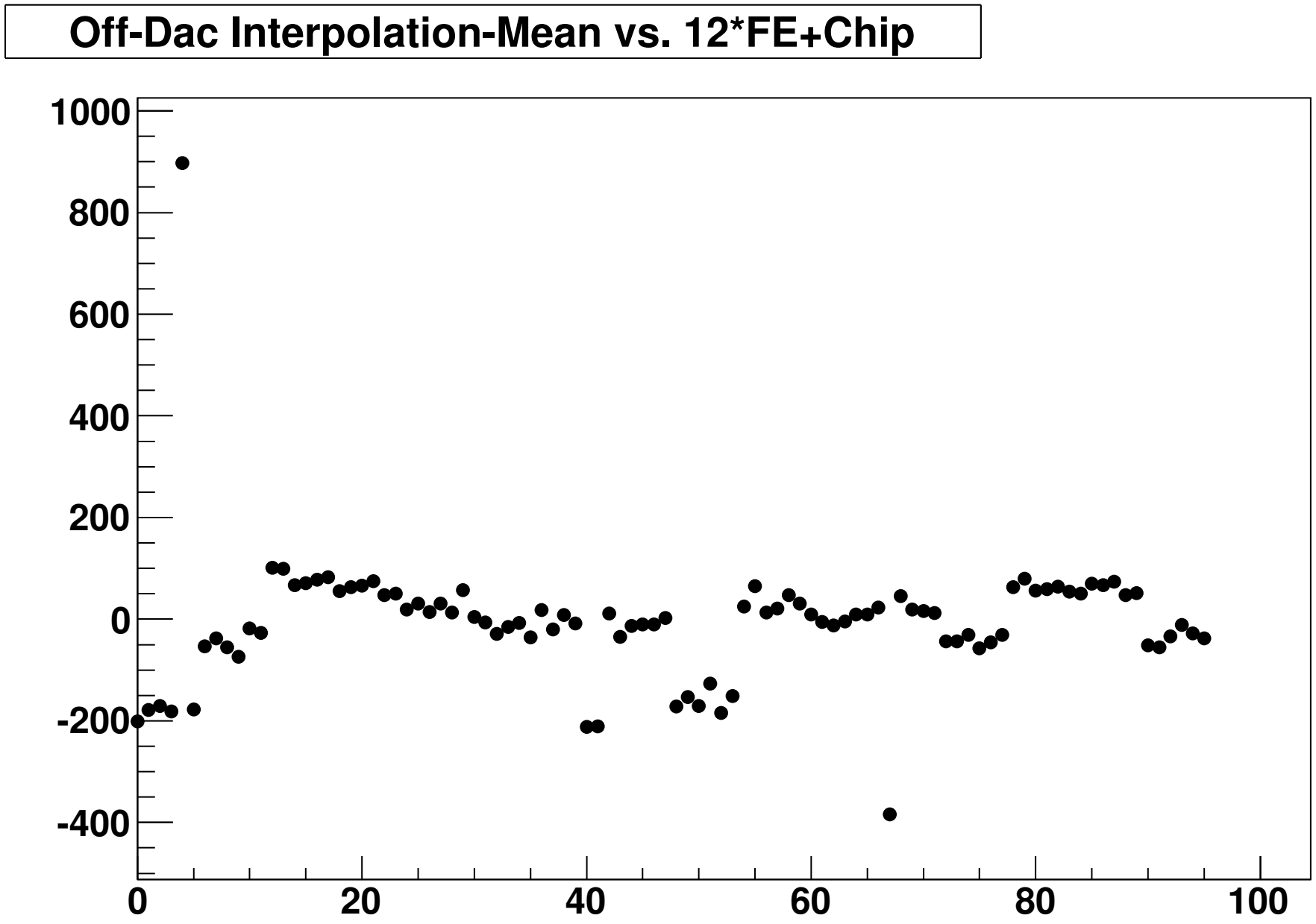

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
2.5
2
1.5
1
0.5
0
0
20
40
60
80
100

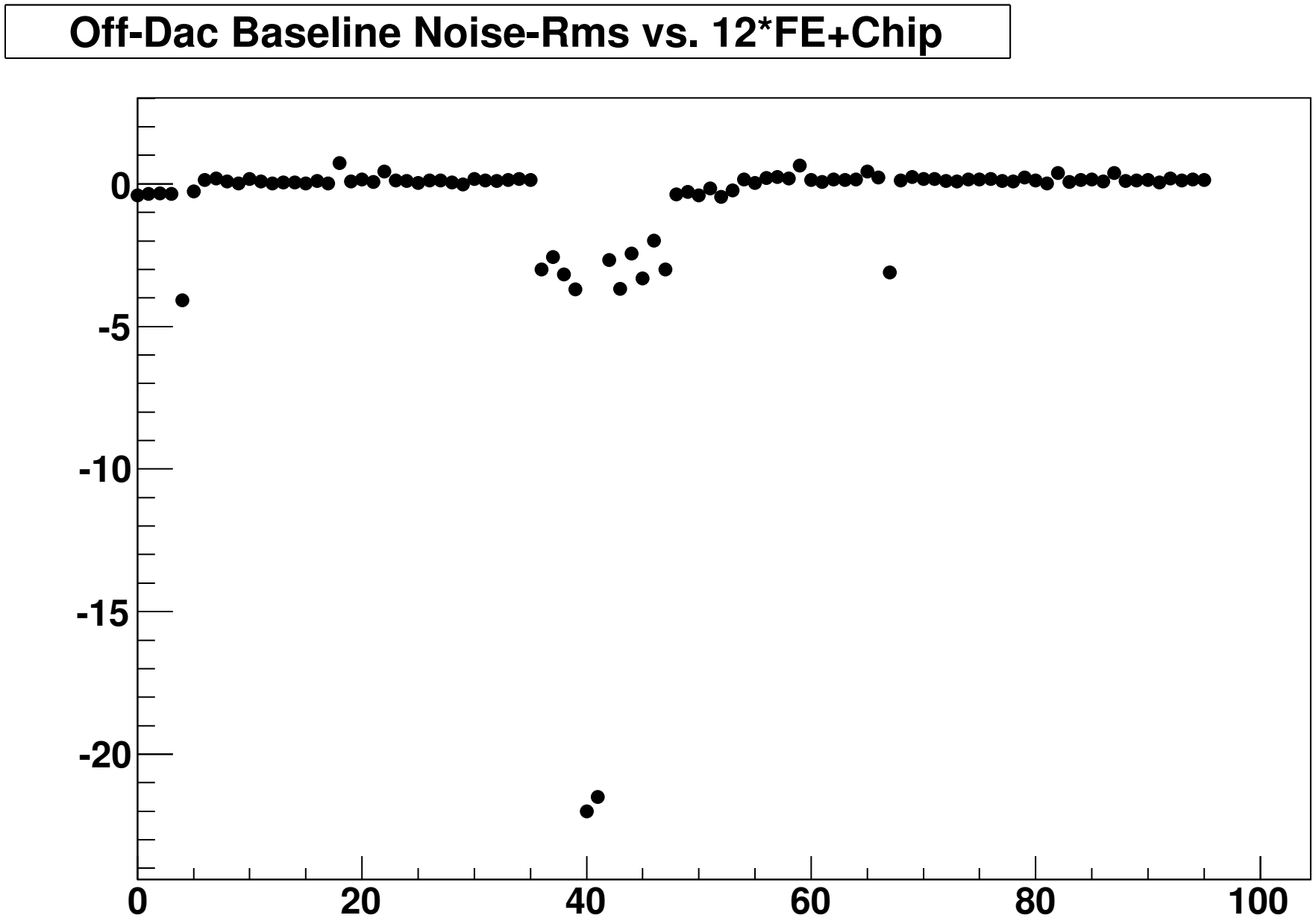

Off-Dac Fit Dac Noise vs. 12*FE+Chip
1.5
1
0.5
0
-0.5
-1
-1.5
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
10000
8000
6000
4000
2000
0
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
1400
1200
1000
800
600
400
200
0
-200
-400
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-5
-10
-15
-20
-25
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
1000
800
600
400
200
0
-200
-400
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-5
-10
-15
-20
0
20
40
60
80
100