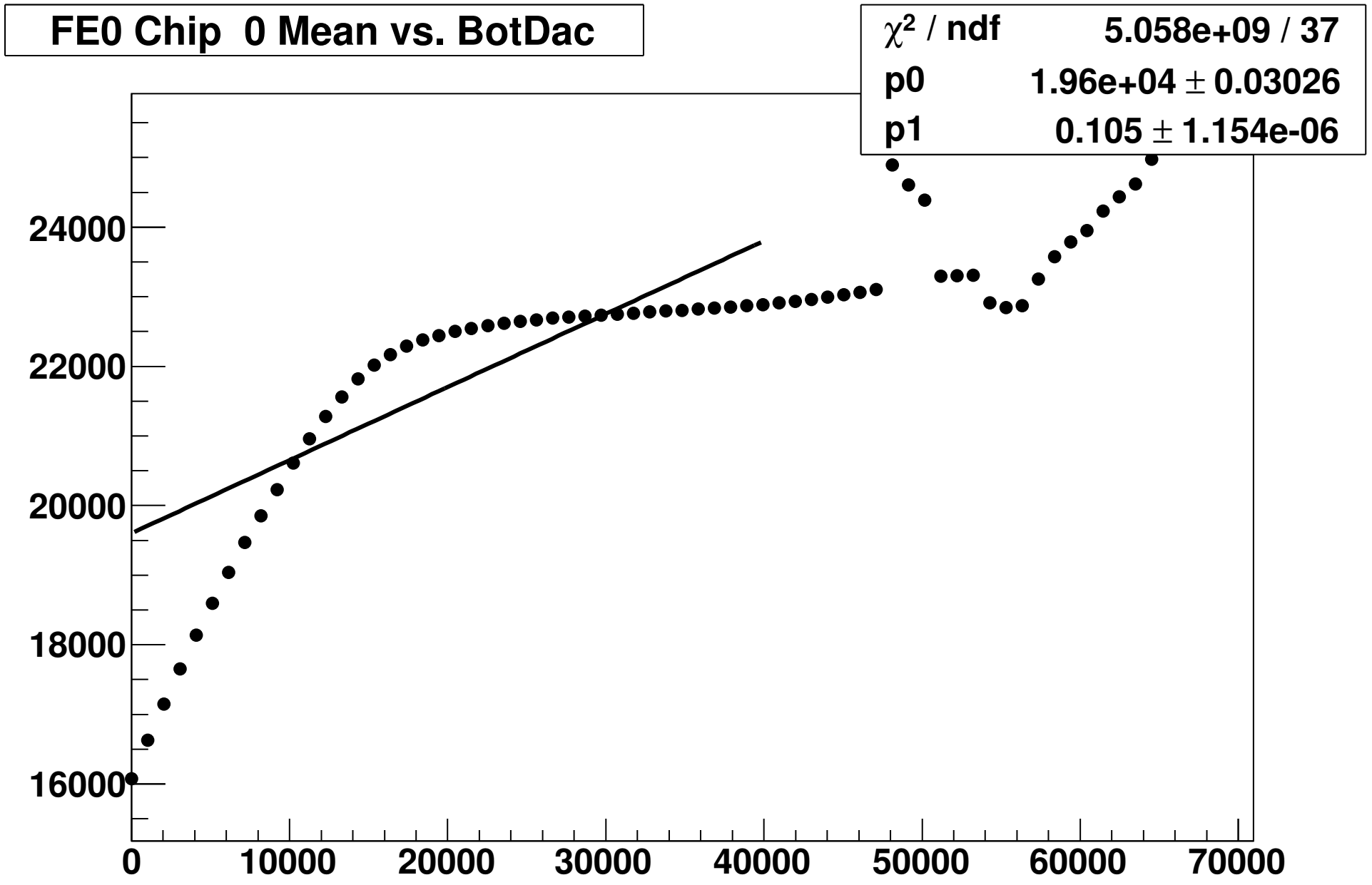
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 5.058e+09 / 37
p0 1.96e+04 ± 0.03026
p1 0.105 ± 1.154e-06
24000
22000
20000
18000
16000
0
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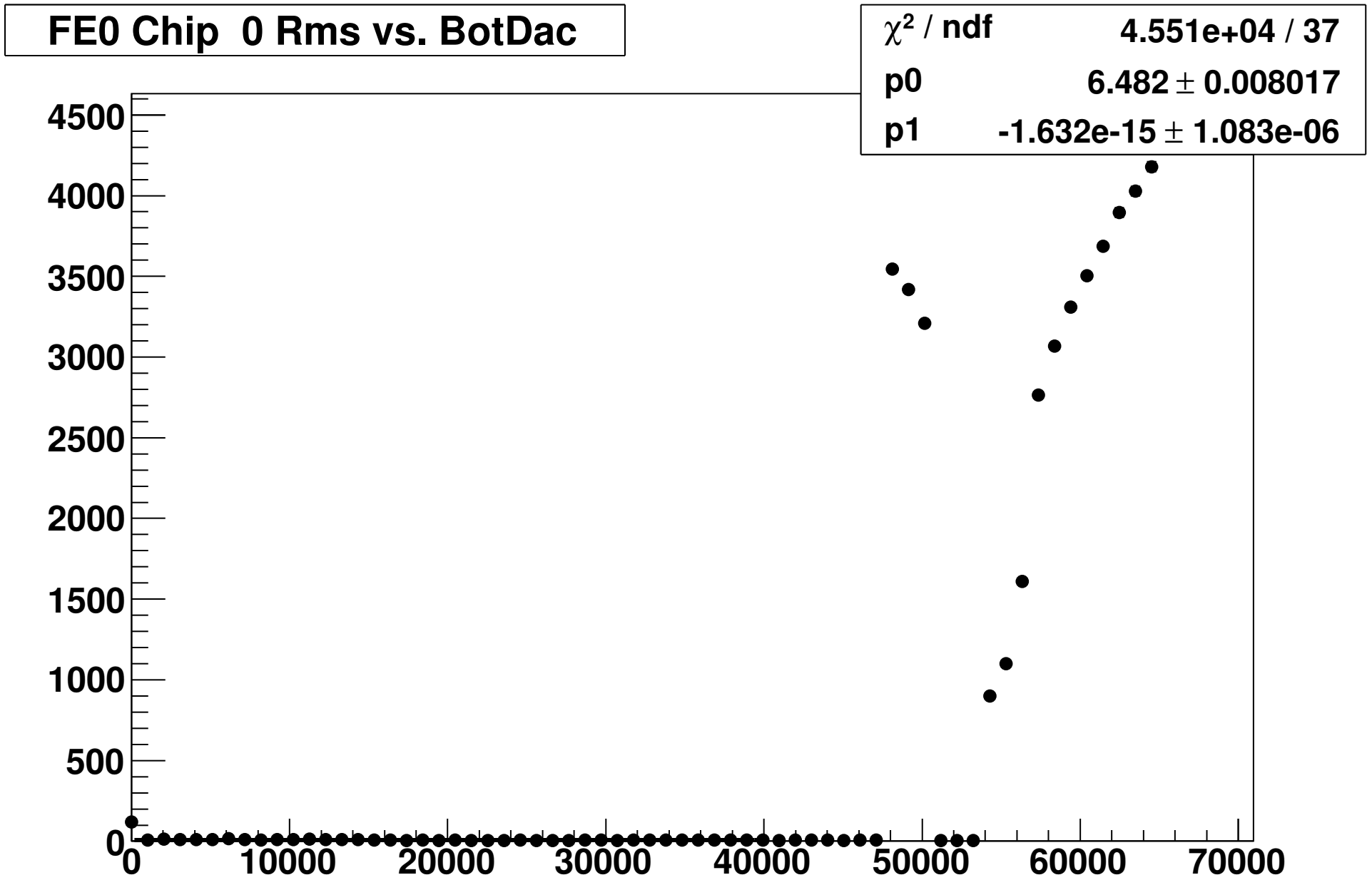
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 4.551e+04 / 37
p0 6.482 ± 0.008017
p1 -1.632e-15 ± 1.083e-06
4500
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2500
2000
1500
1000
500
0
0
10000
20000
30000
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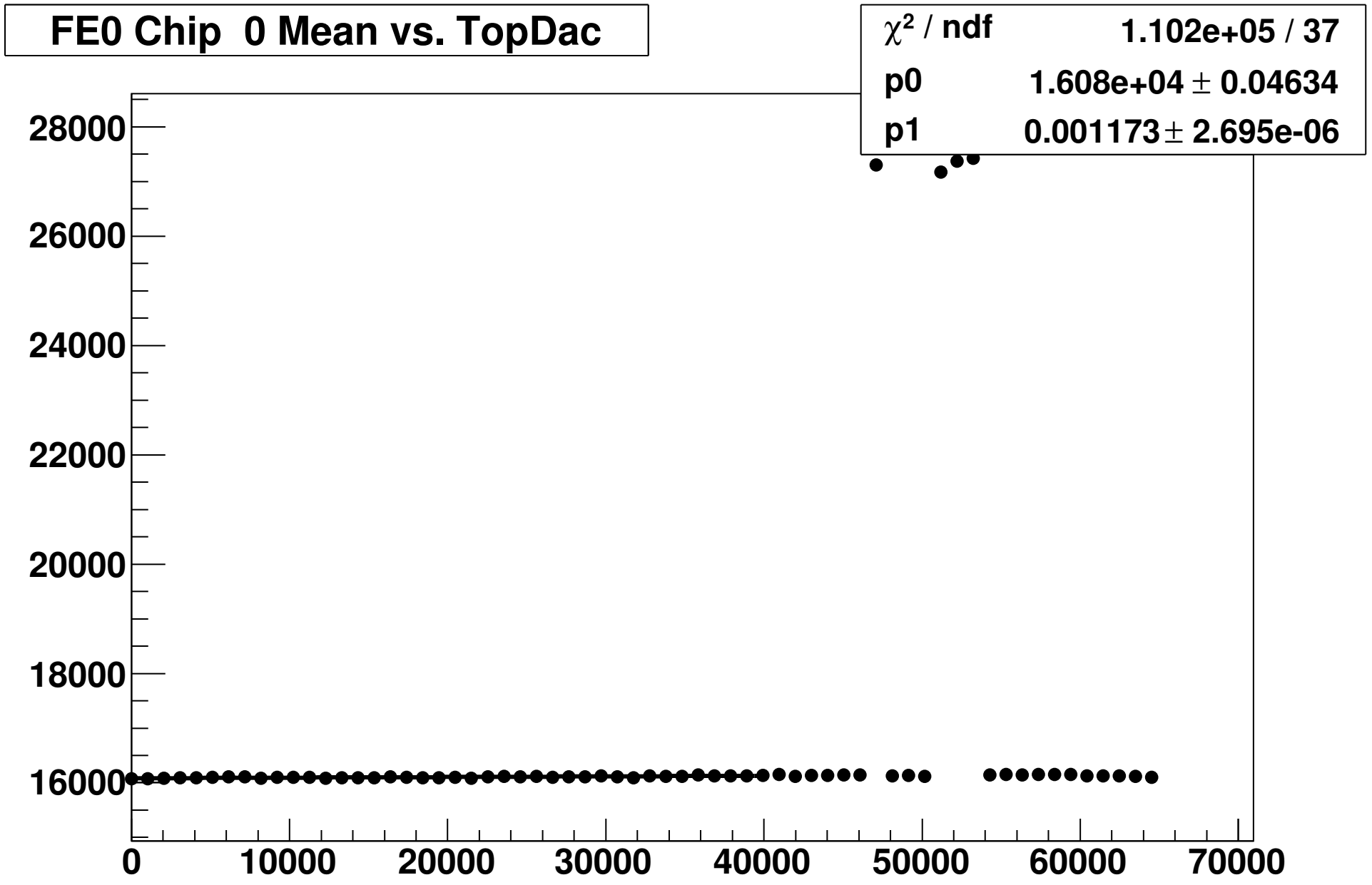
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 1.102e+05 / 37
p0 1.608e+04 ± 0.04634
p1 0.001173 ± 2.695e-06
28000
26000
24000
22000
20000
18000
16000
0
10000
20000
30000
40000
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60000
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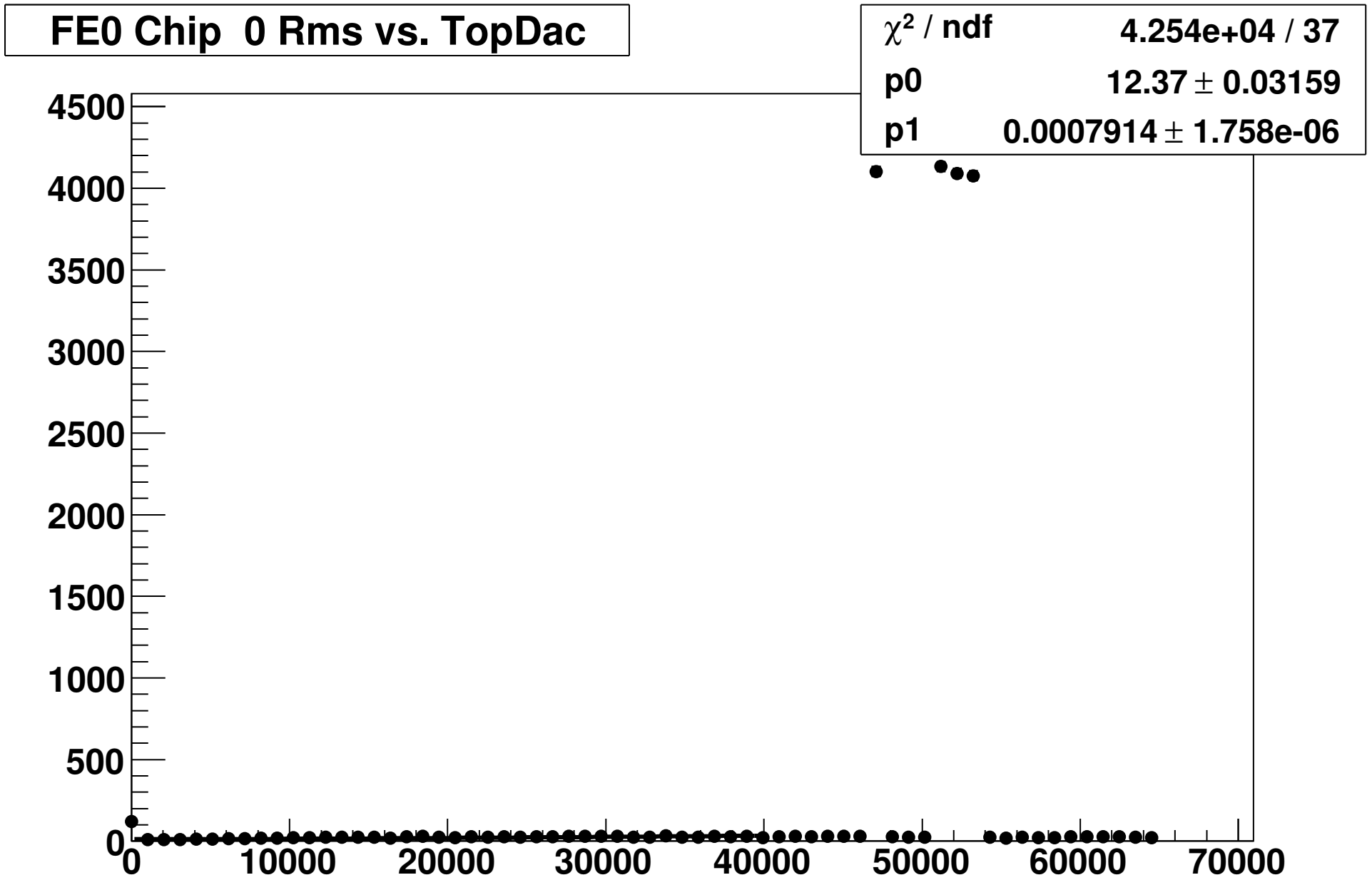
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 4.254e+04 / 37
p0 12.37 ± 0.03159
p1 0.0007914 ± 1.758e-06
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2000
1500
1000
500
0
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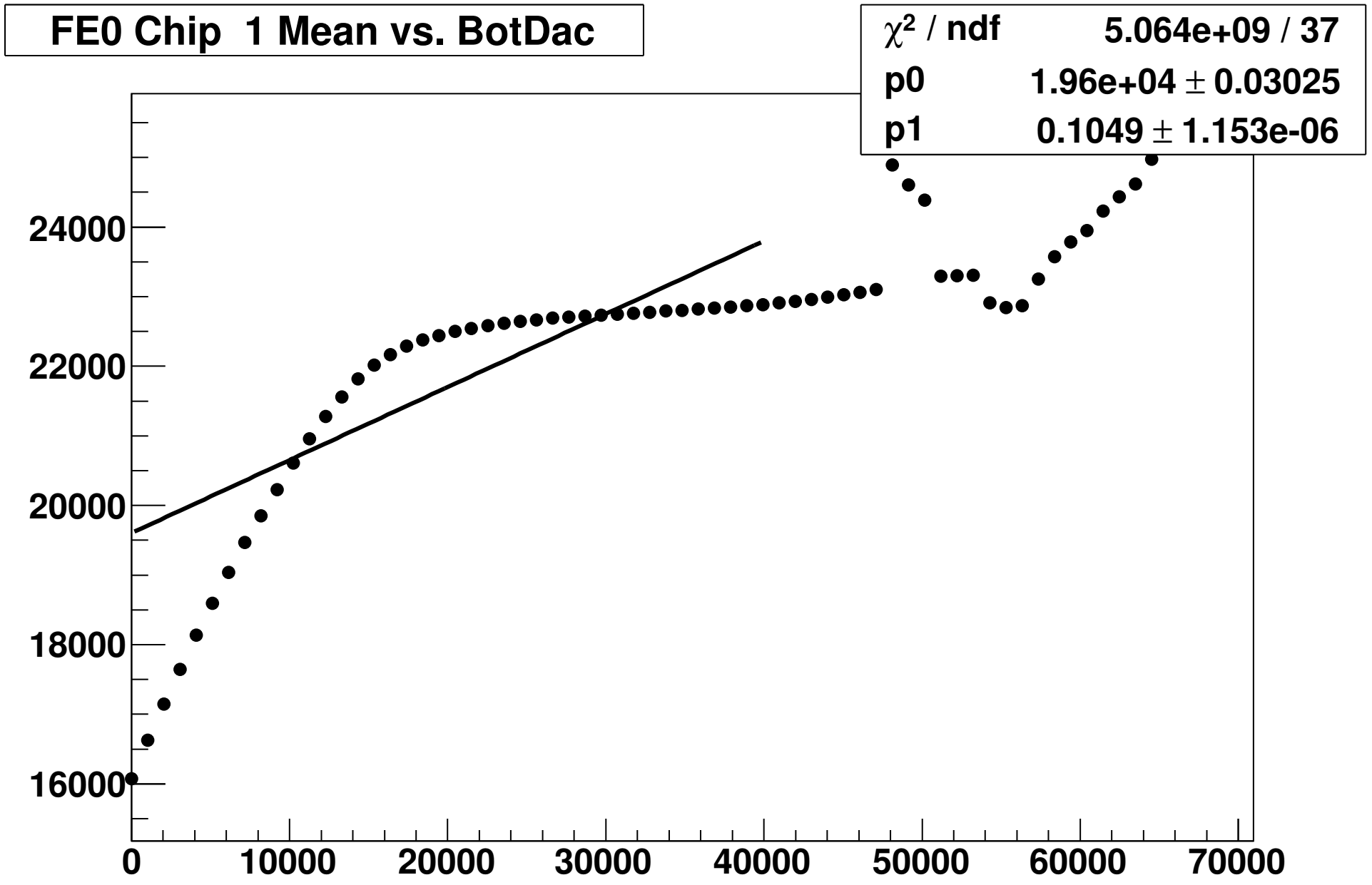
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 5.064e+09 / 37
p0 1.96e+04 ± 0.03025
p1 0.1049 ± 1.153e-06
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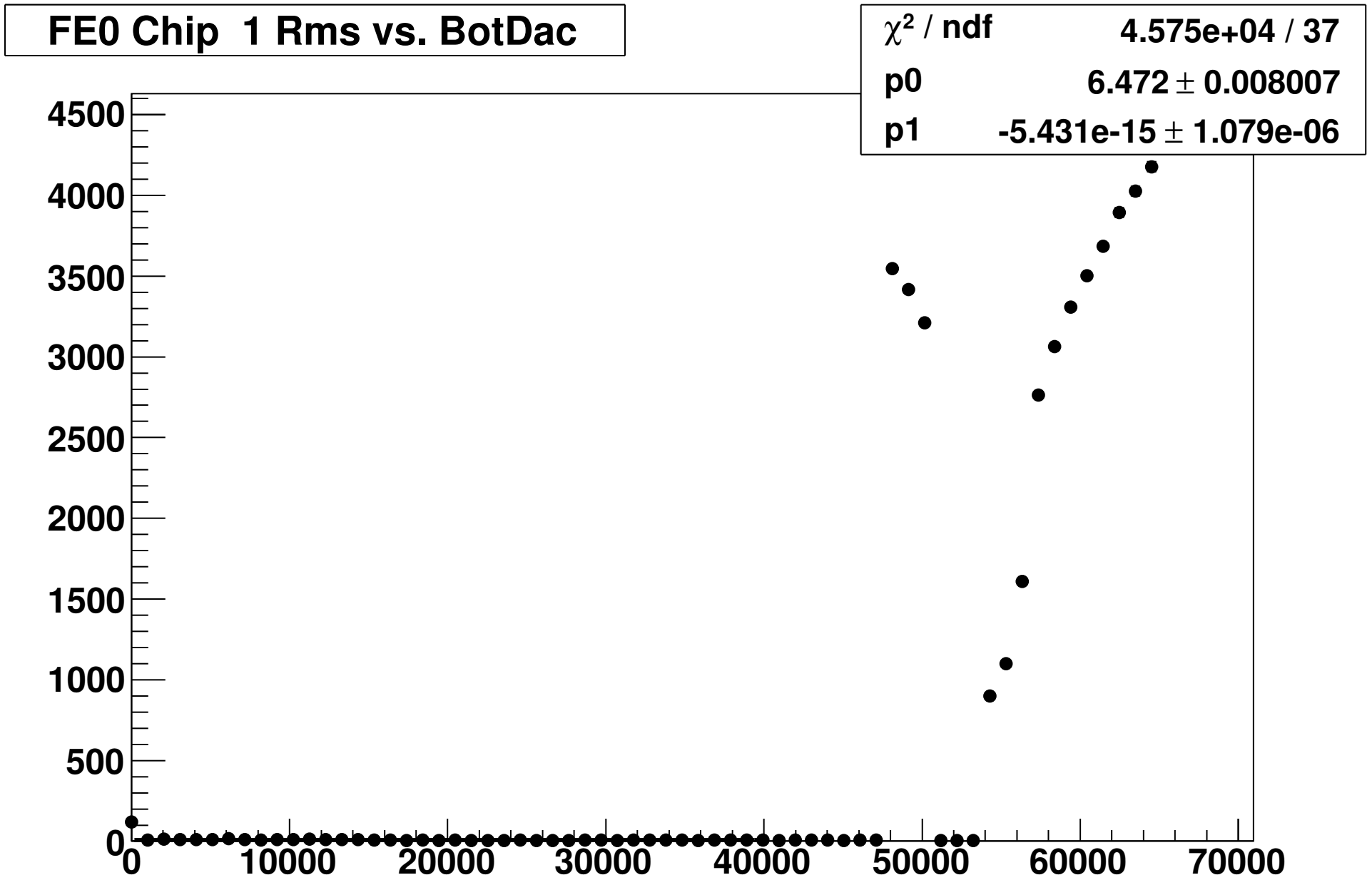
22000
20000
18000
16000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 4.575e+04 / 37
p0 6.472 ± 0.008007
p1 -5.431e-15 ± 1.079e-06
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2500
2000
1500
1000
500
0
0
10000
20000
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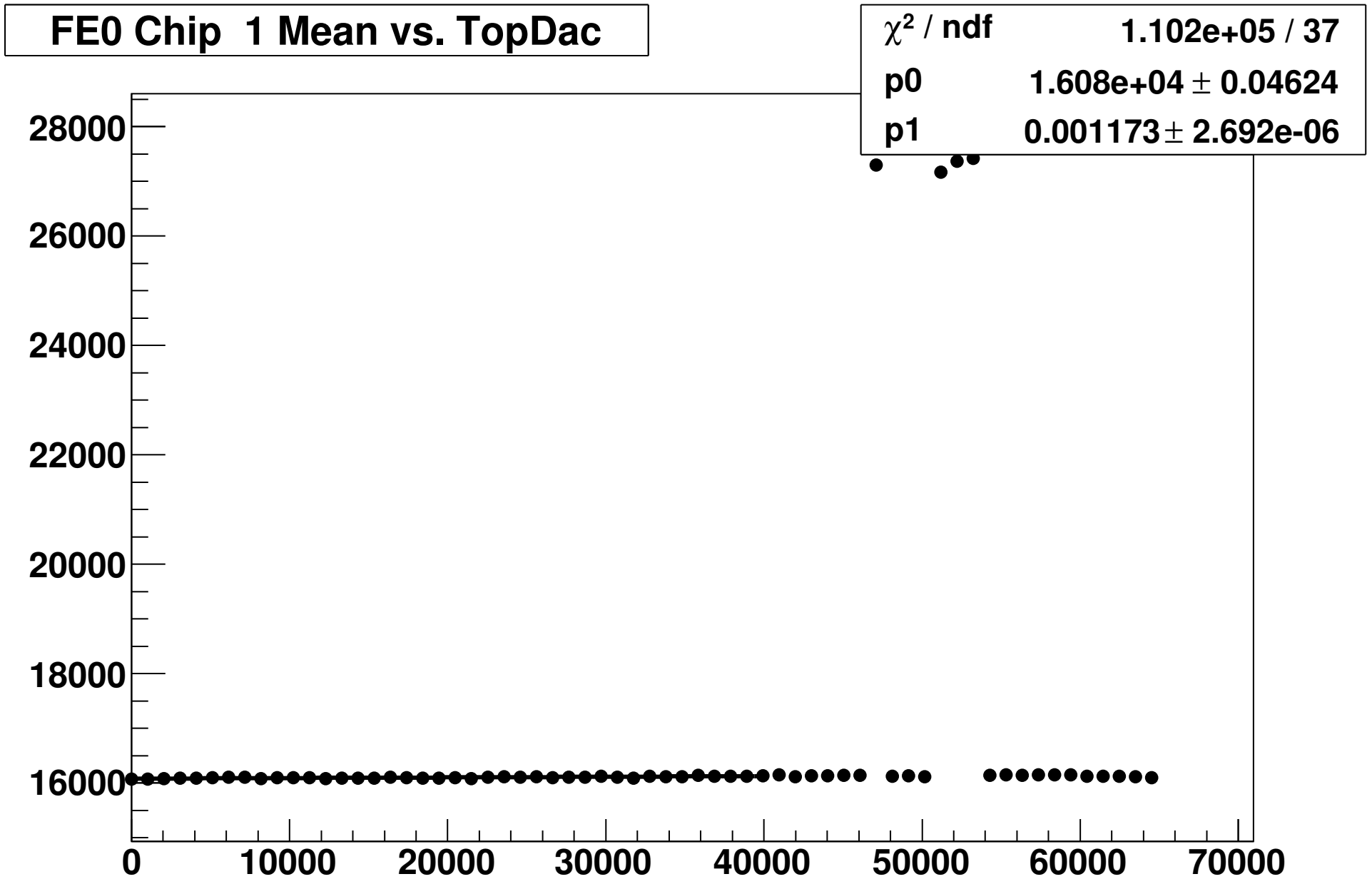
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 1.102e+05 / 37
p0 1.608e+04 ± 0.04624
p1 0.001173 ± 2.692e-06
28000
26000
24000
22000
20000
18000
16000
0
10000
20000
30000
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50000
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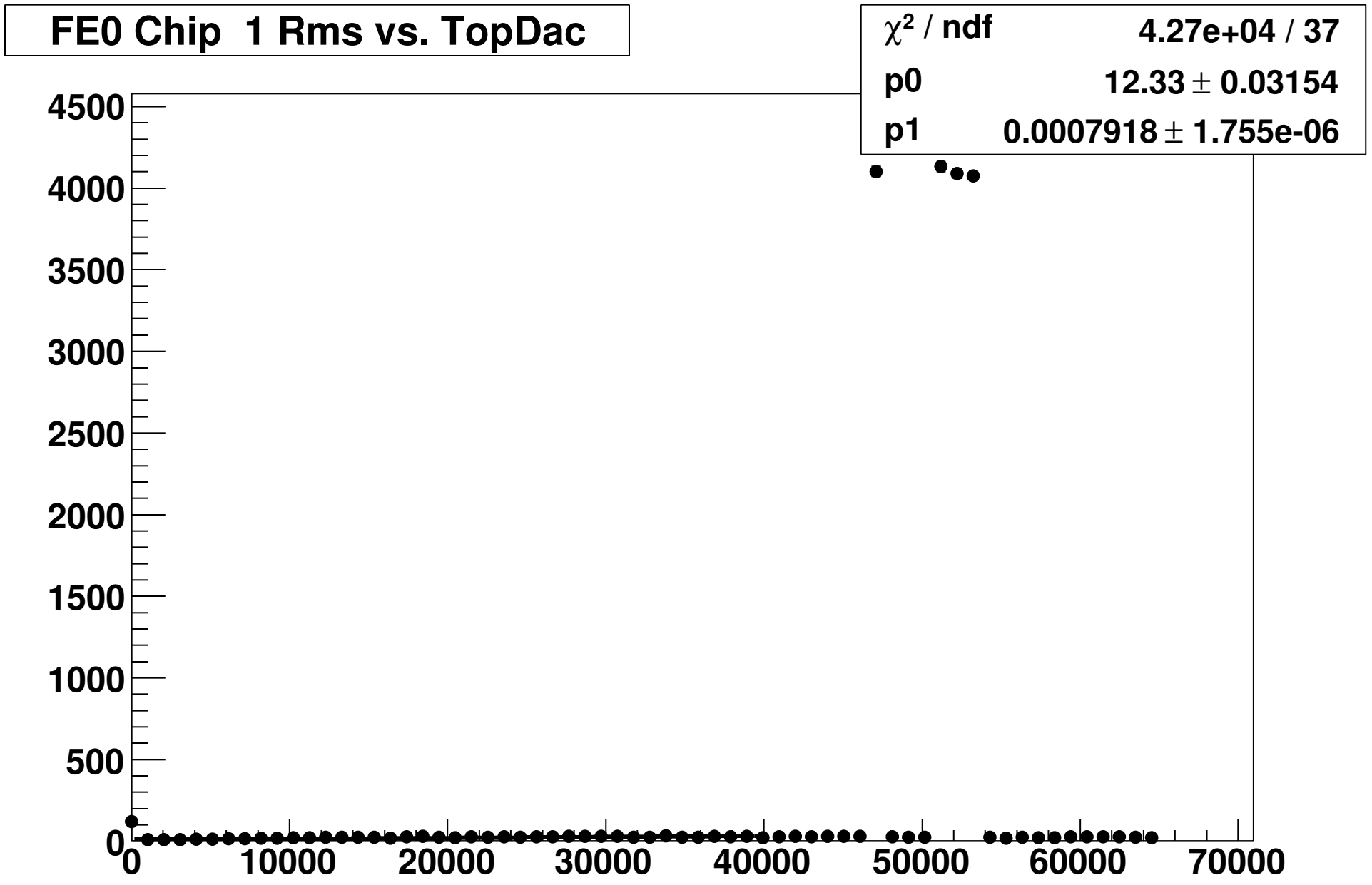
FE0 Chip 1 Rms vs. TopDac
χ² / ndf 4.27e+04 / 37
p0 12.33 ± 0.03154
p1 0.0007918 ± 1.755e-06
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4000
3500
3000
2500
2000
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1000
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0
0
10000
20000
30000
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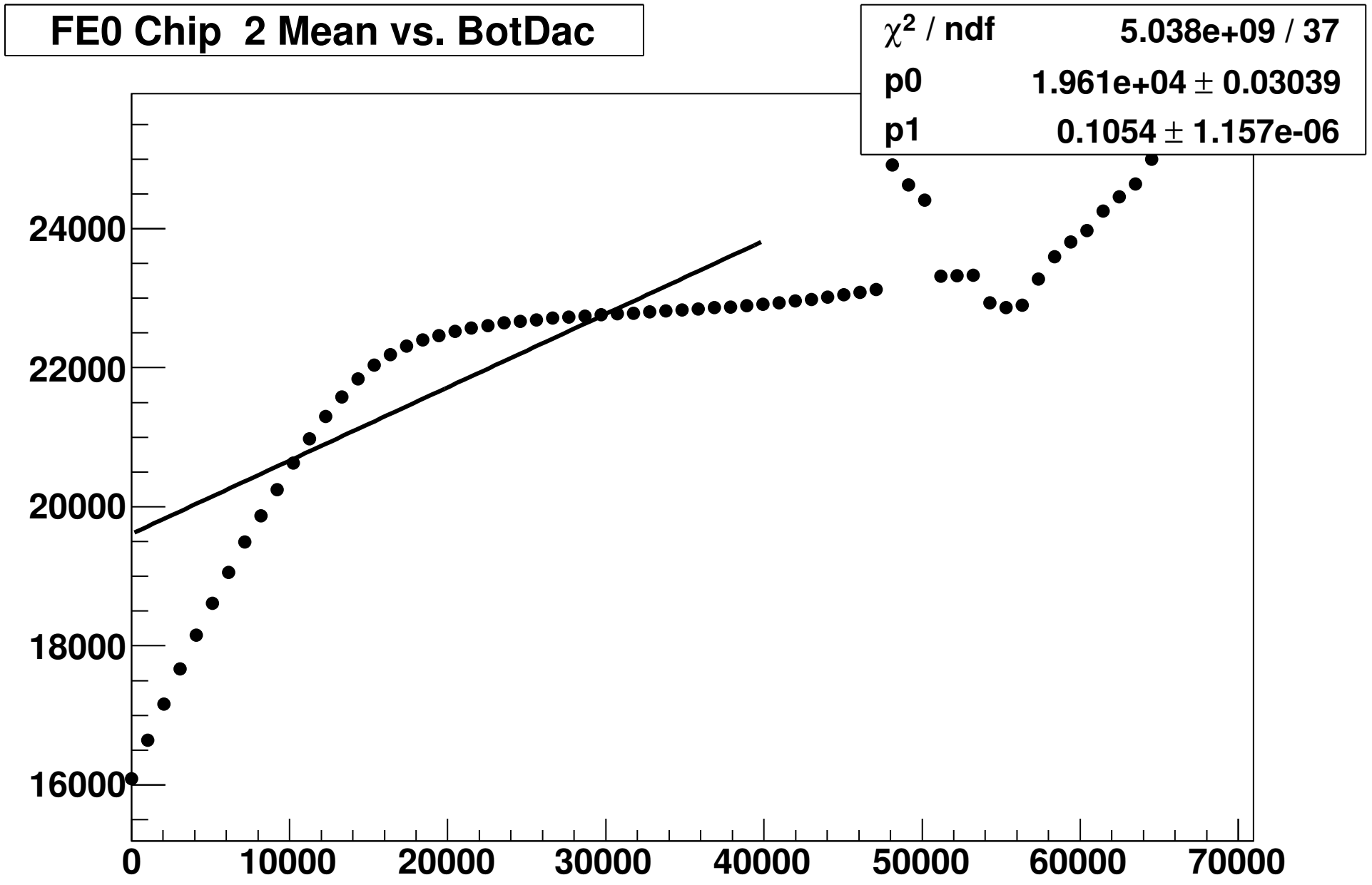
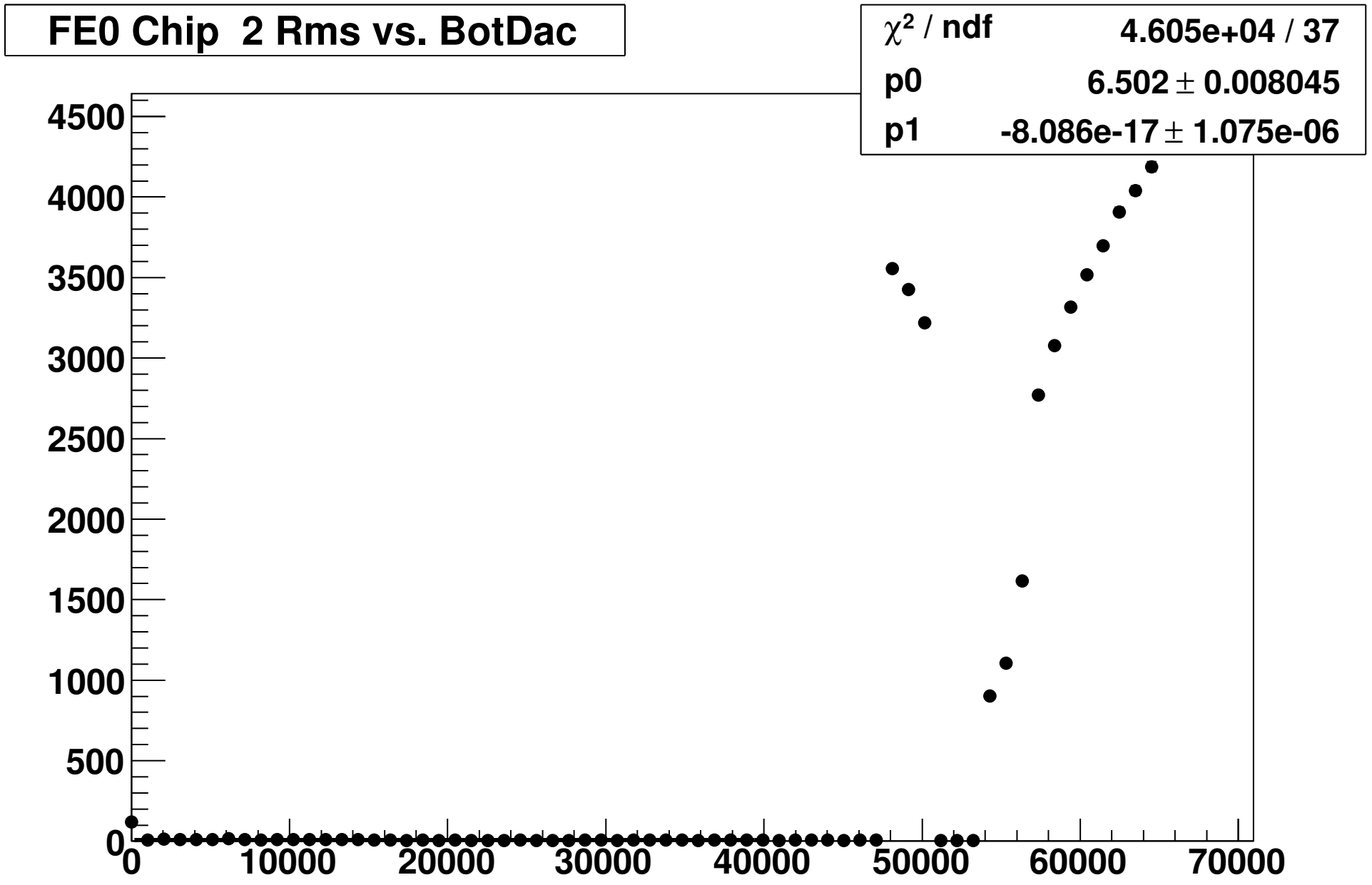

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 5.038e+09 / 37
p0 1.961e+04 ± 0.03039
p1 0.1054 ± 1.157e-06
24000
22000
20000
18000
16000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 4.605e+04 / 37
p0 6.502 ± 0.008045
p1 -8.086e-17 ± 1.075e-06
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4000
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
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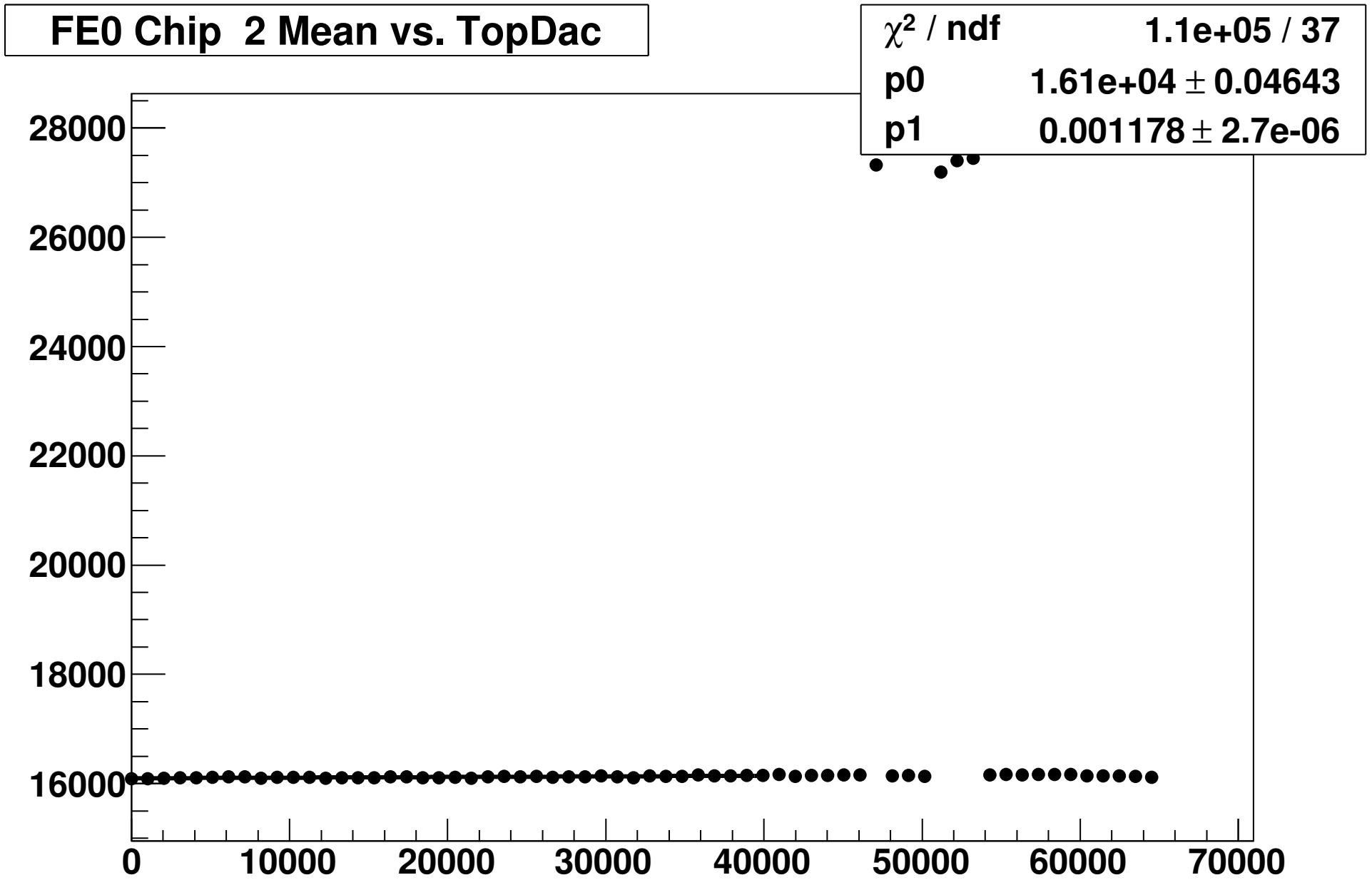
FE0 Chip 2 Mean vs. TopDac
χ² / ndf 1.1e+05 / 37
p0 1.61e+04 ± 0.04643
p1 0.001178 ± 2.7e-06
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26000
24000
22000
20000
18000
16000
0
10000
20000
30000
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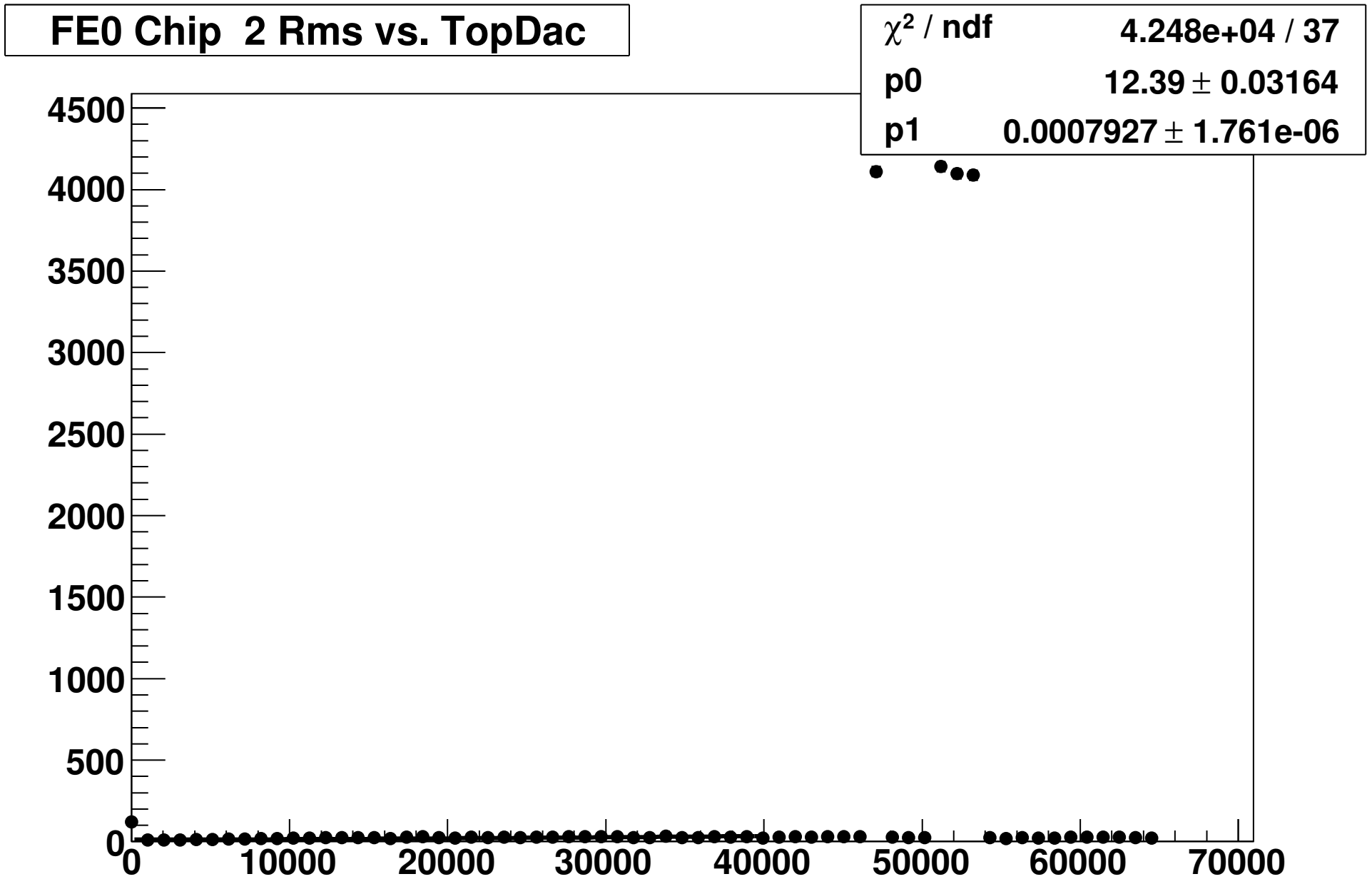
FE0 Chip 2 Rms vs. TopDac
χ² / ndf 4.248e+04 / 37
p0 12.39 ± 0.03164
p1 0.0007927 ± 1.761e-06
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3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
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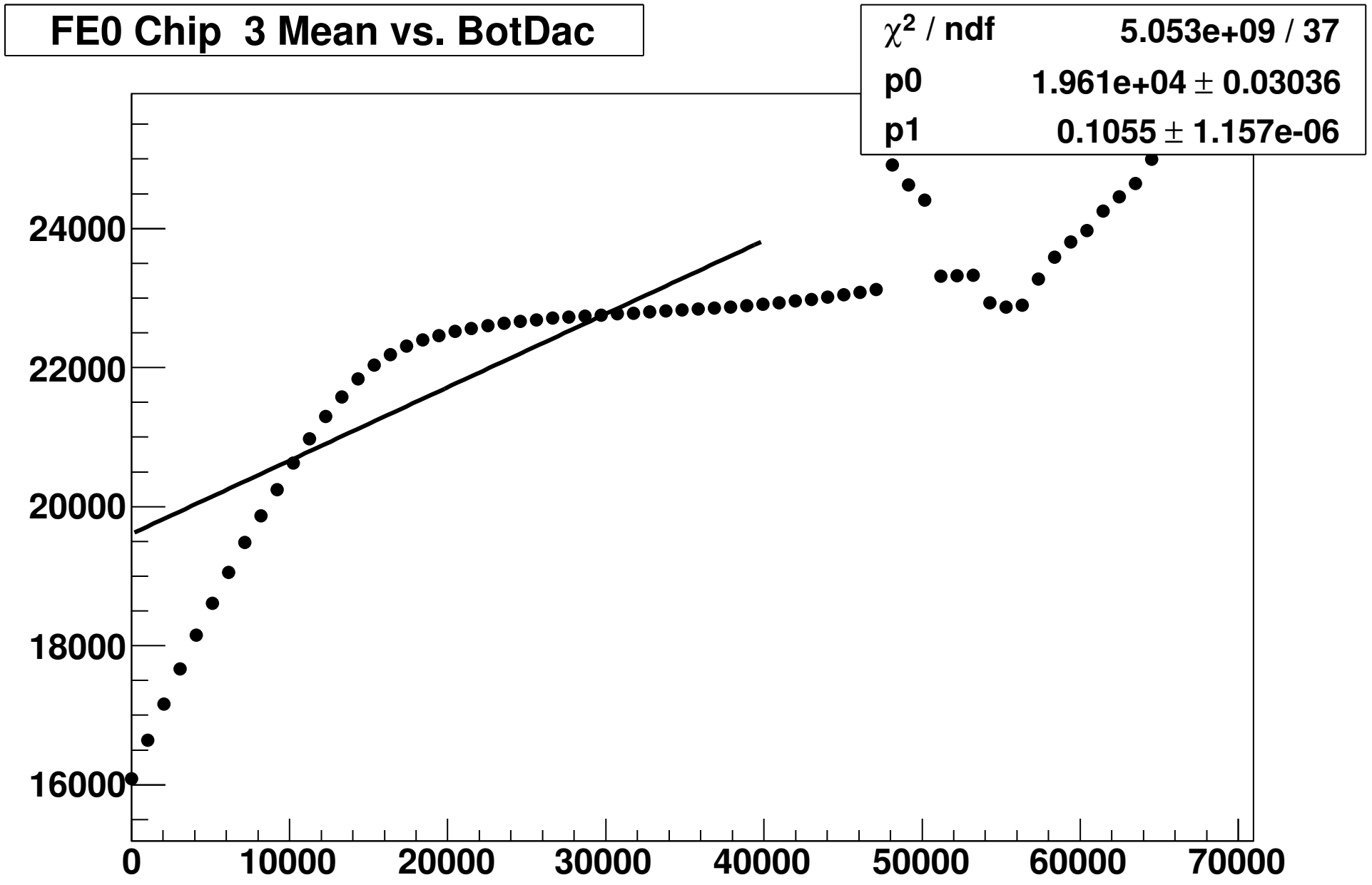
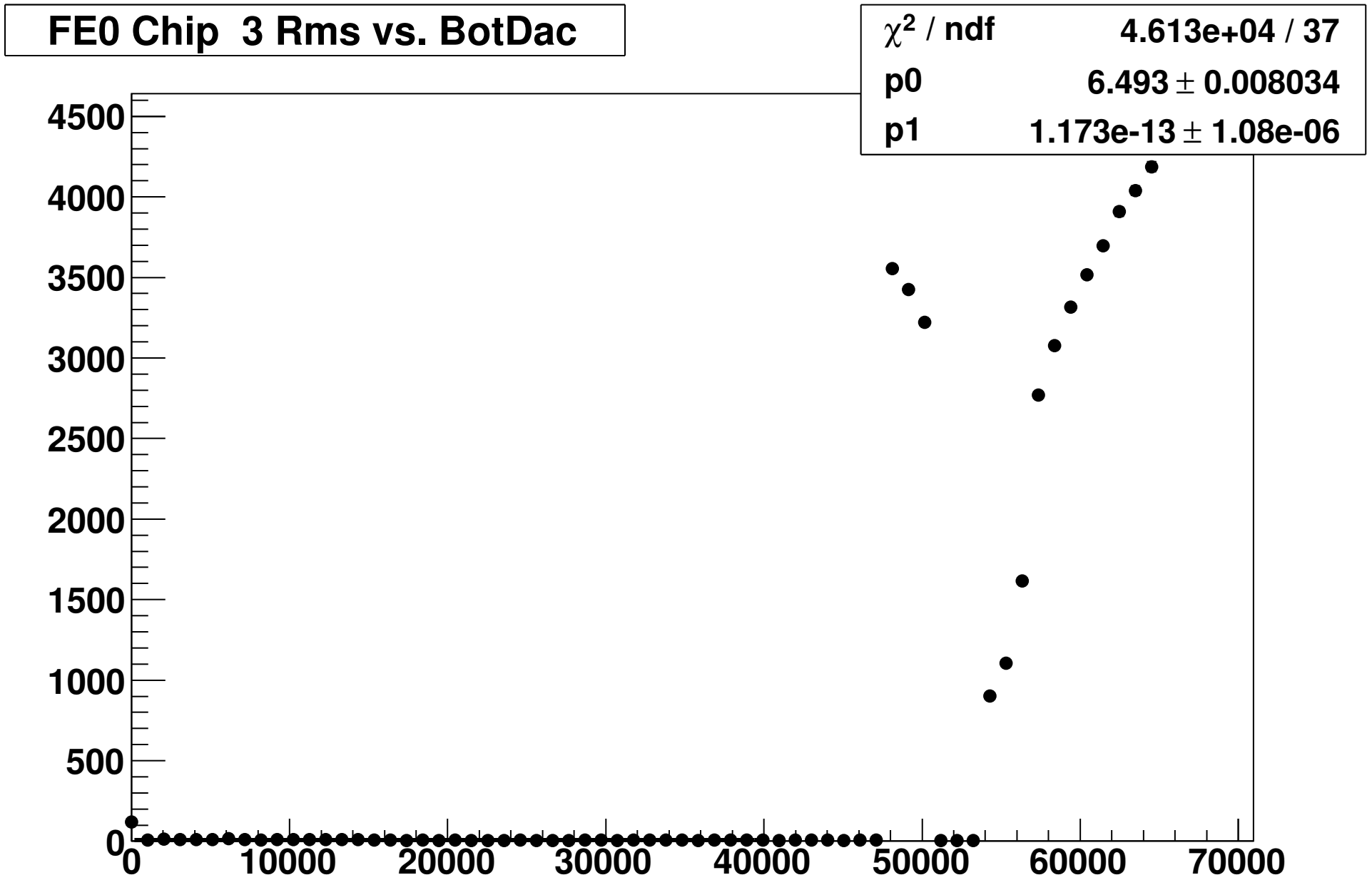

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 5.053e+09 / 37
p0 1.961e+04 ± 0.03036
p1 0.1055 ± 1.157e-06
24000
22000
20000
18000
16000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 4.613e+04 / 37
p0 6.493 ± 0.008034
p1 1.173e-13 ± 1.08e-06
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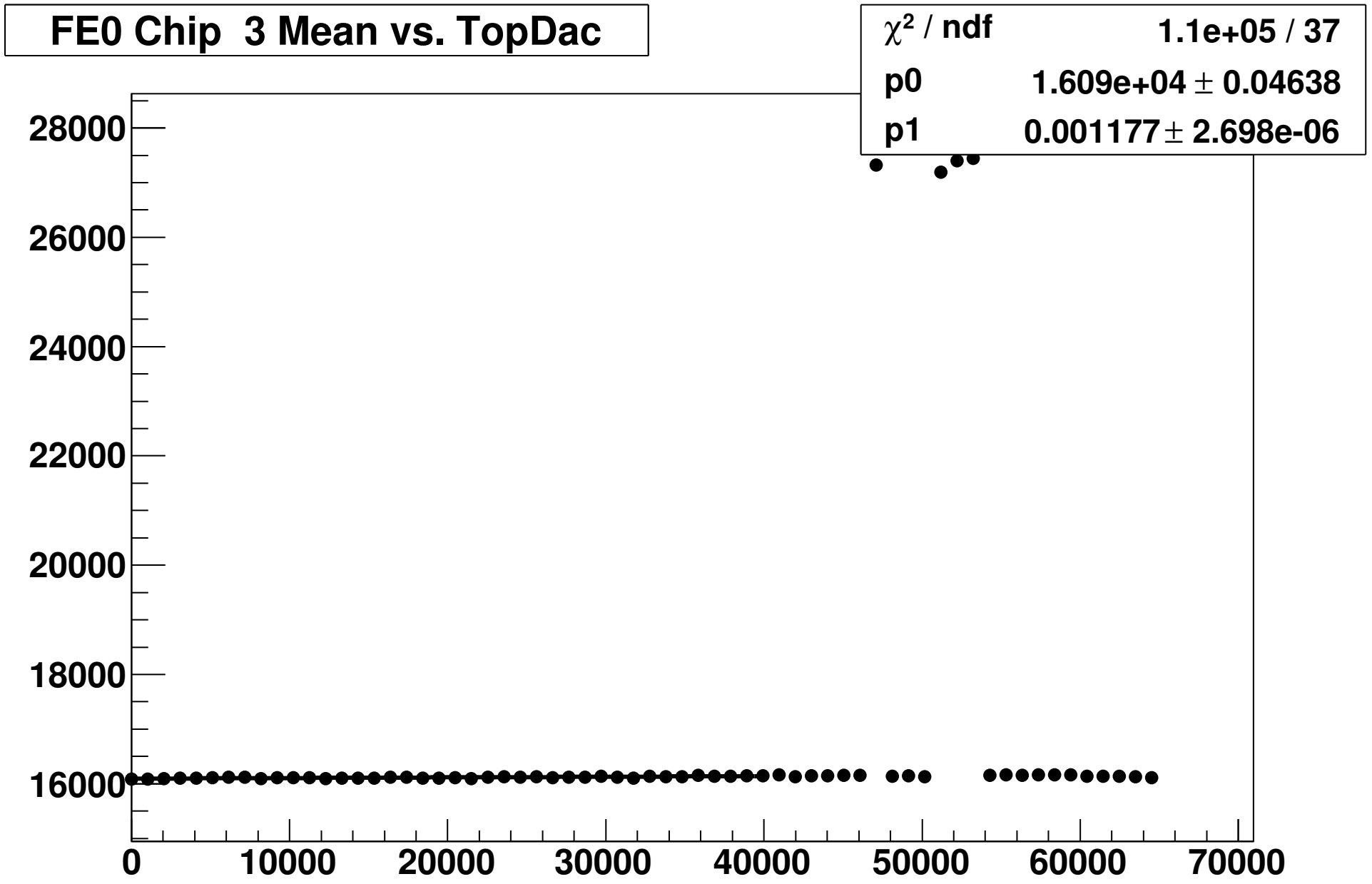
4000
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 1.1e+05 / 37
p0 1.609e+04 ± 0.04638
p1 0.001177 ± 2.698e-06
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26000
24000
22000
20000
18000
16000
0
10000
20000
30000
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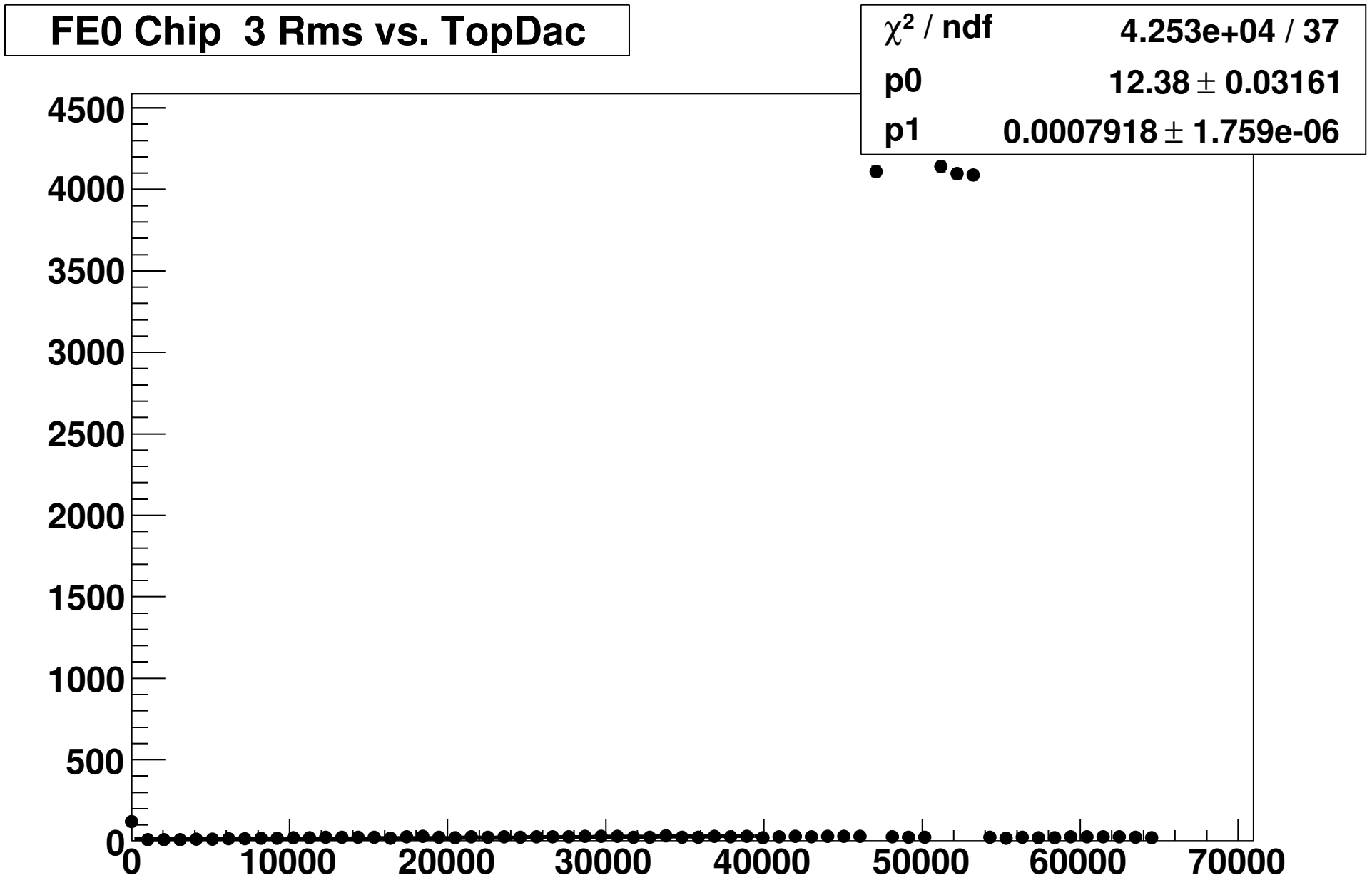
FE0 Chip 3 Rms vs. TopDac
χ² / ndf 4.253e+04 / 37
p0 12.38 ± 0.03161
p1 0.0007918 ± 1.759e-06
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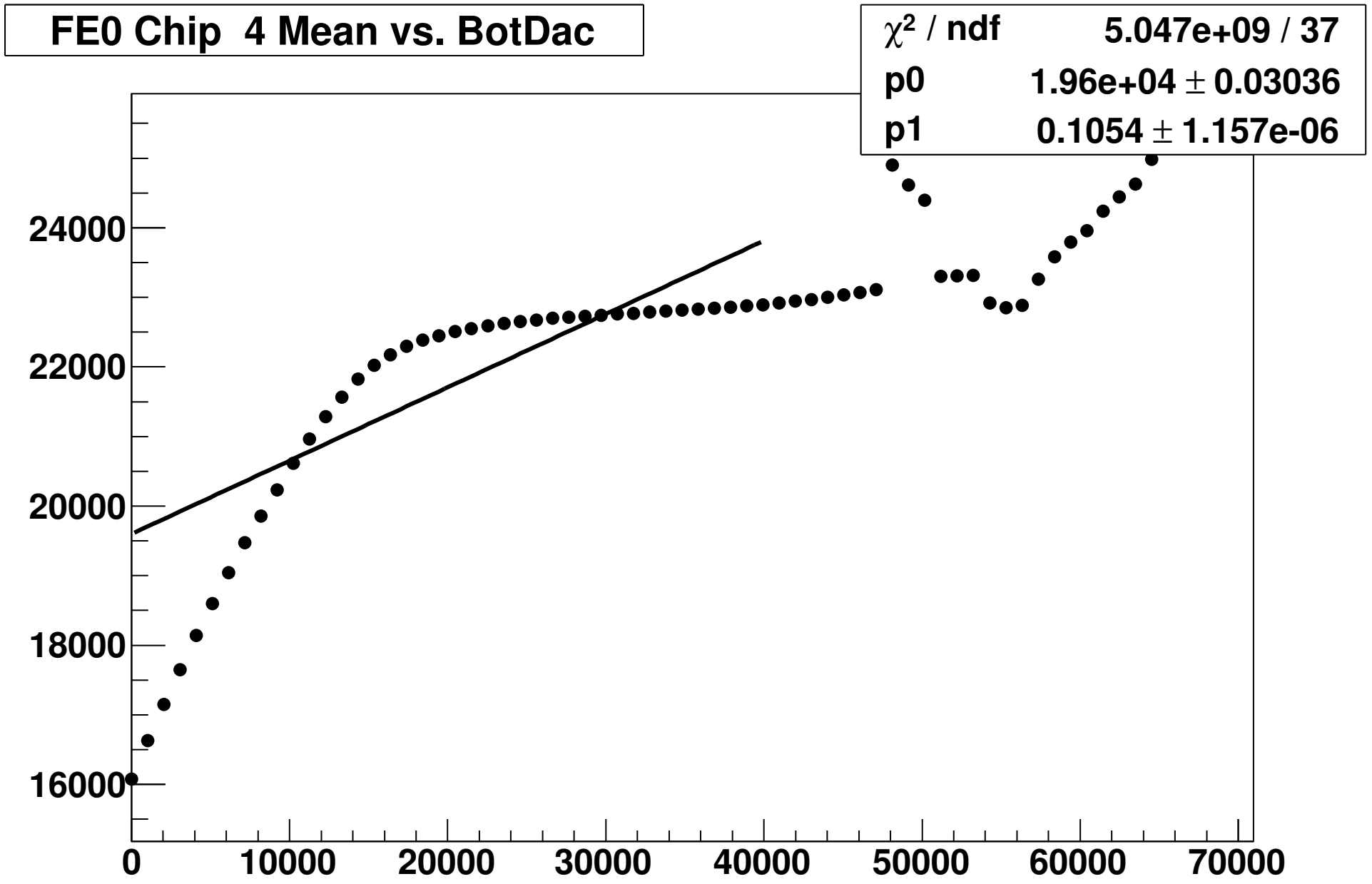
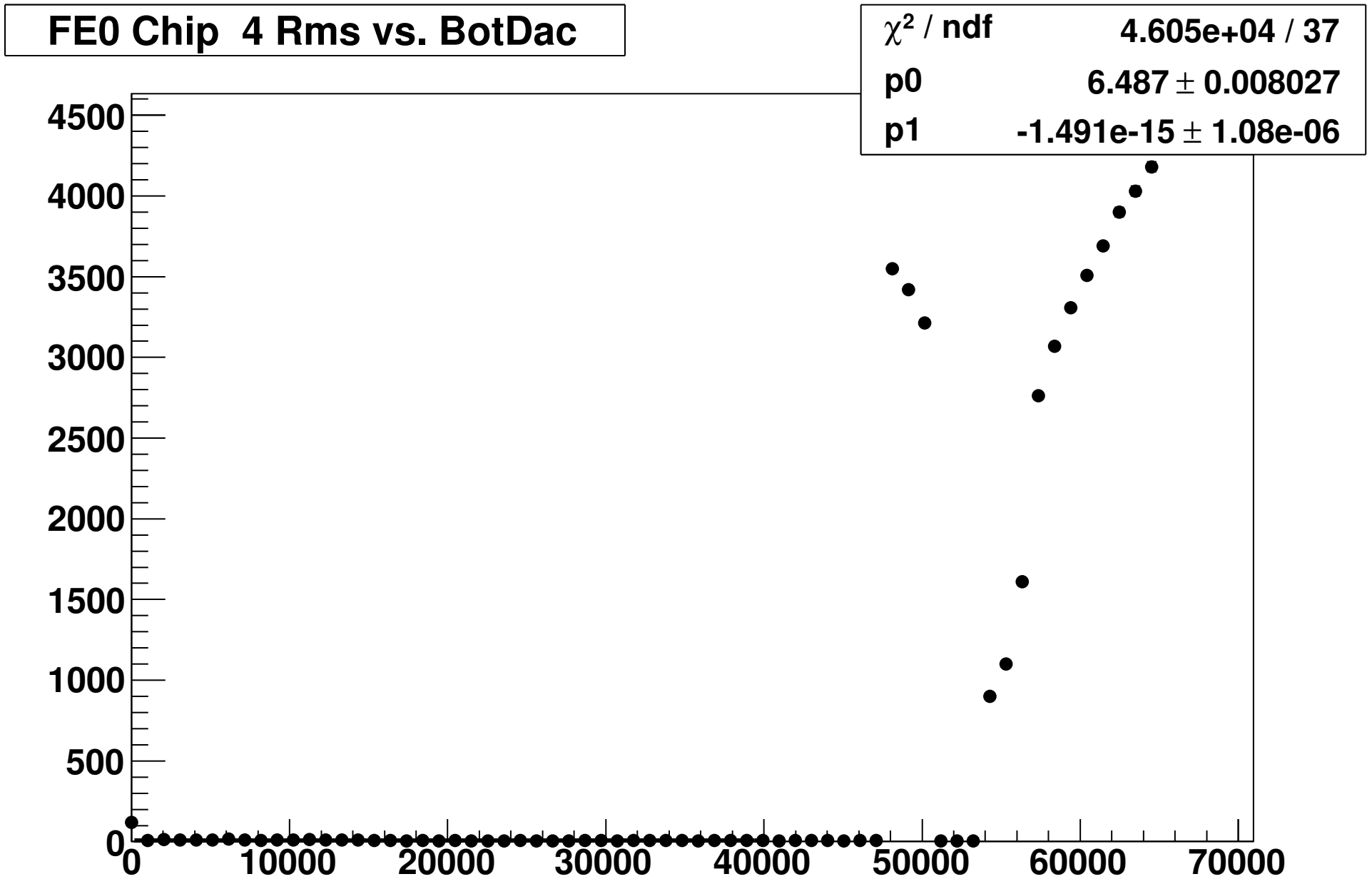
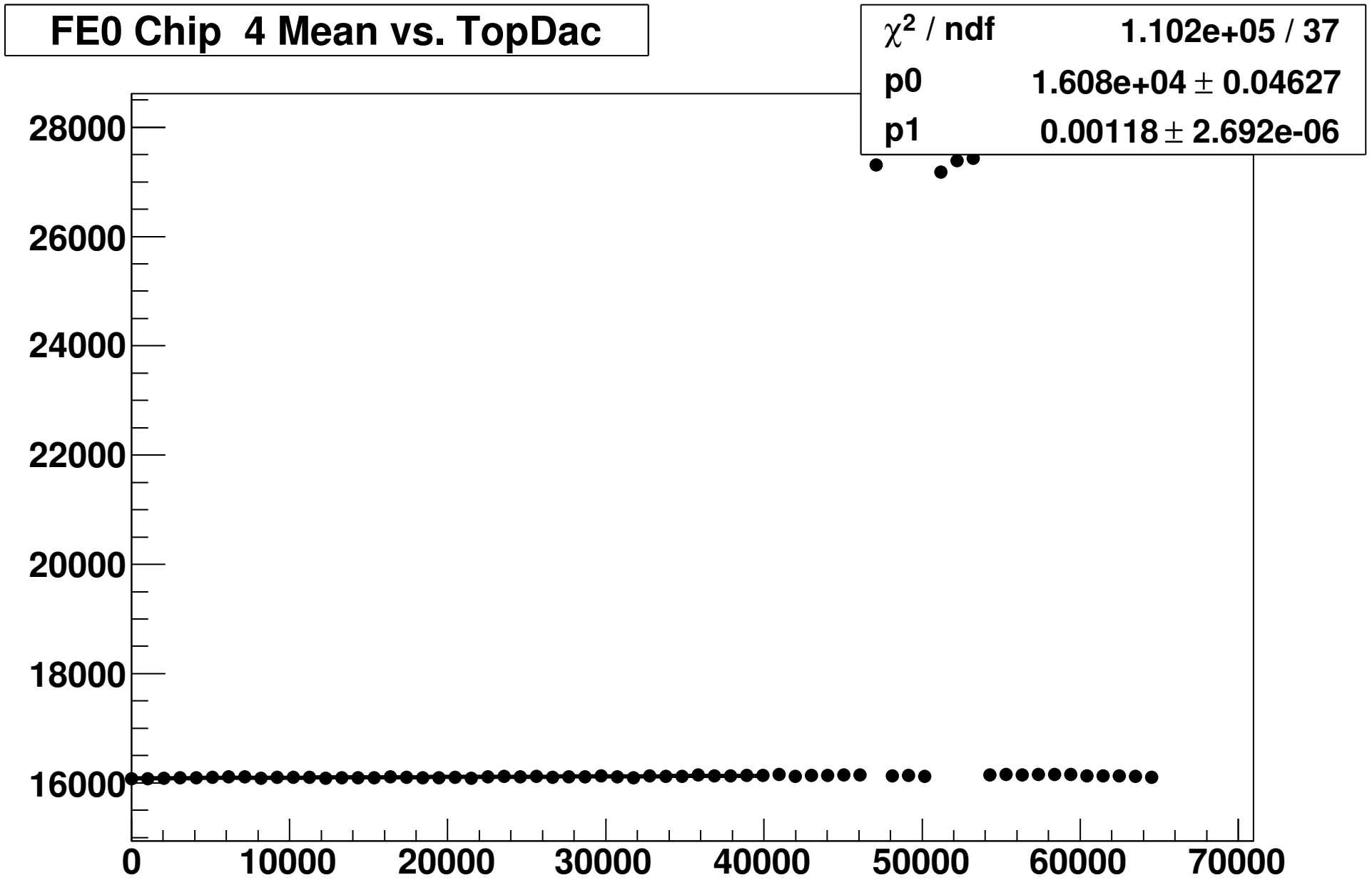
4000
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 5.047e+09 / 37
p0 1.96e+04 ± 0.03036
p1 0.1054 ± 1.157e-06
24000
22000
20000
18000
16000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 4.605e+04 / 37
p0 6.487 ± 0.008027
p1 -1.491e-15 ± 1.08e-06
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 1.102e+05 / 37
p0 1.608e+04 ± 0.04627
p1 0.00118 ± 2.692e-06
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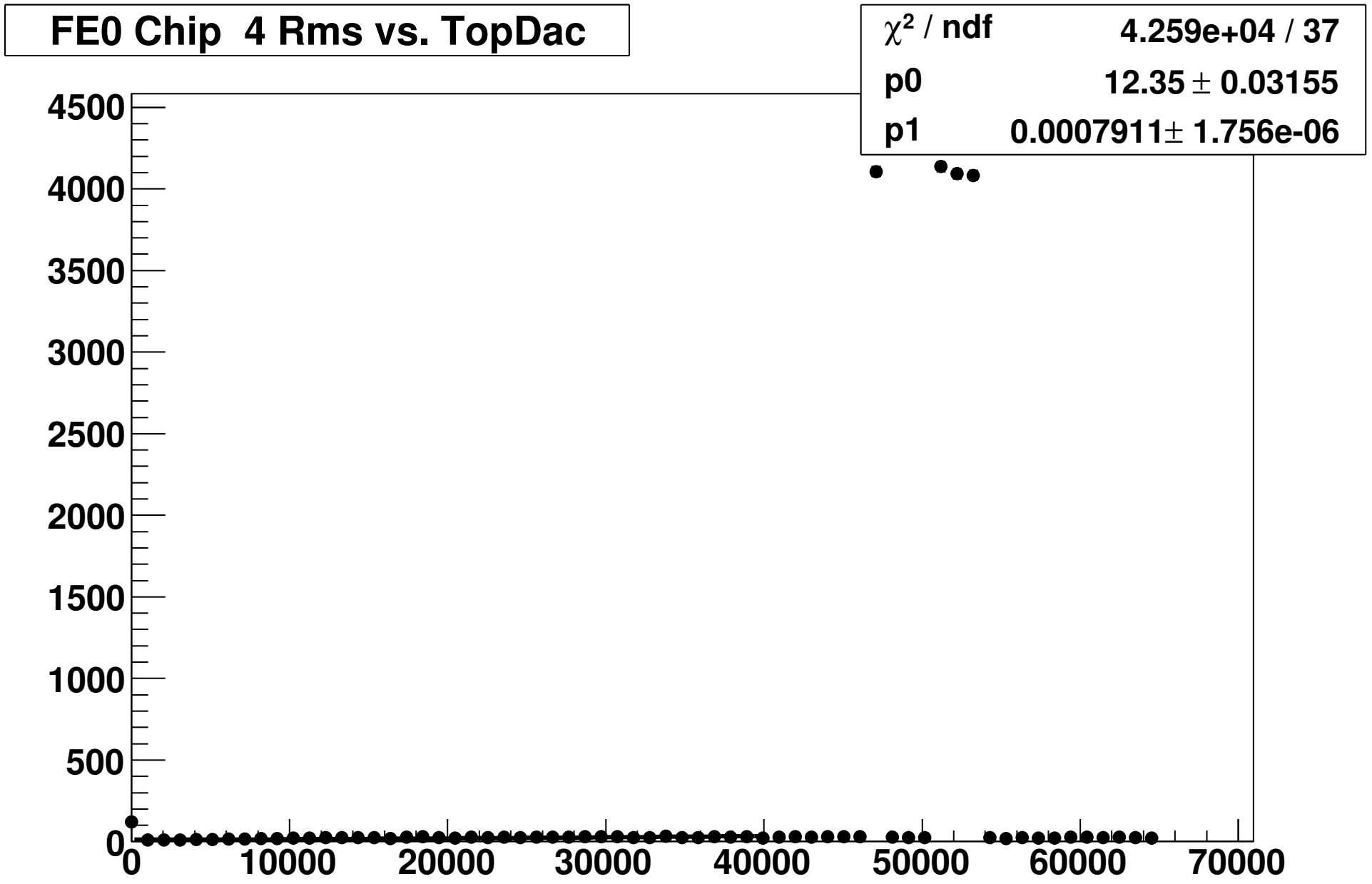
26000
24000
22000
20000
18000
16000
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 4.259e+04 / 37
p0 12.35 ± 0.03155
p1 0.0007911 ± 1.756e-06
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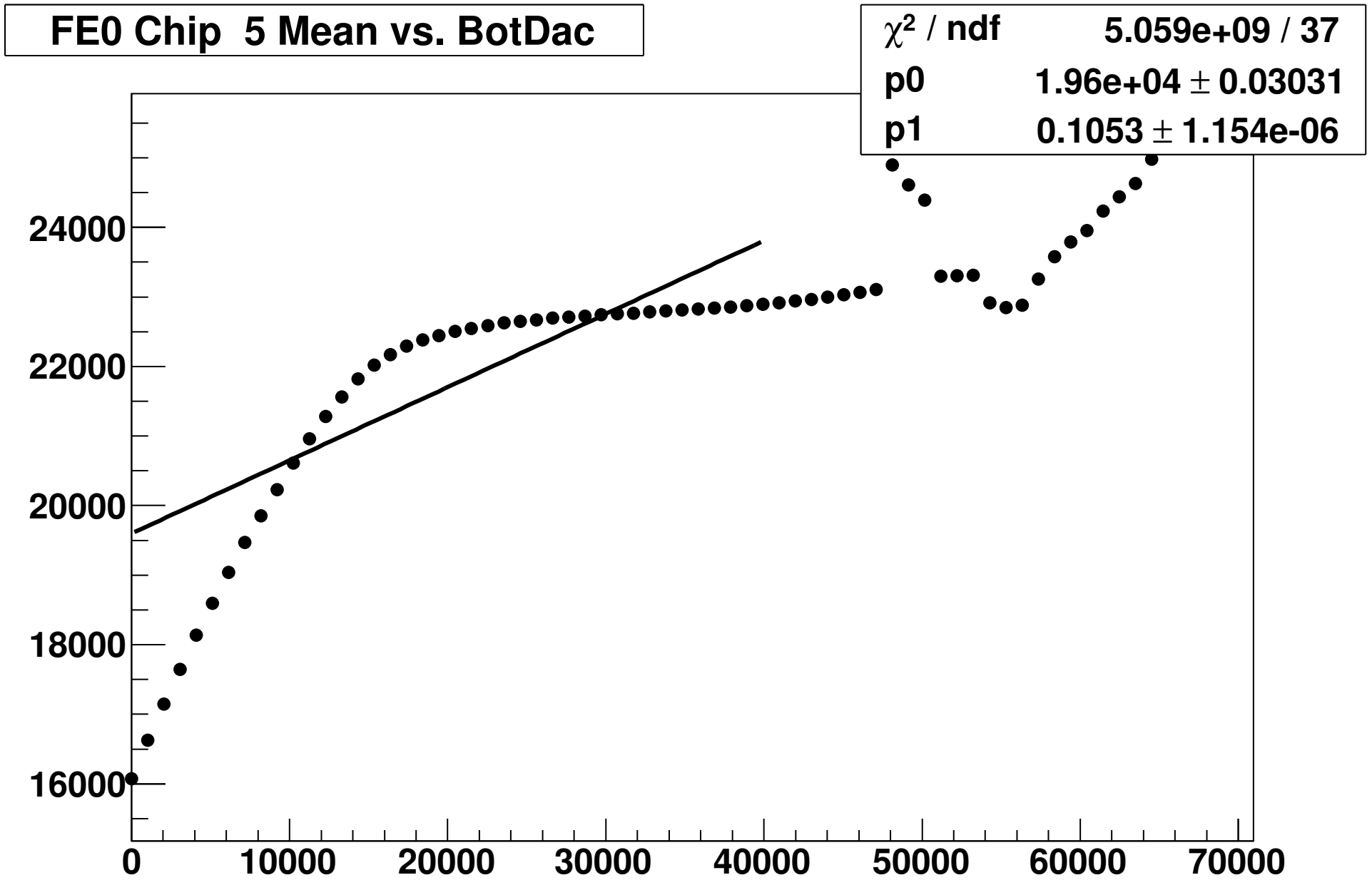
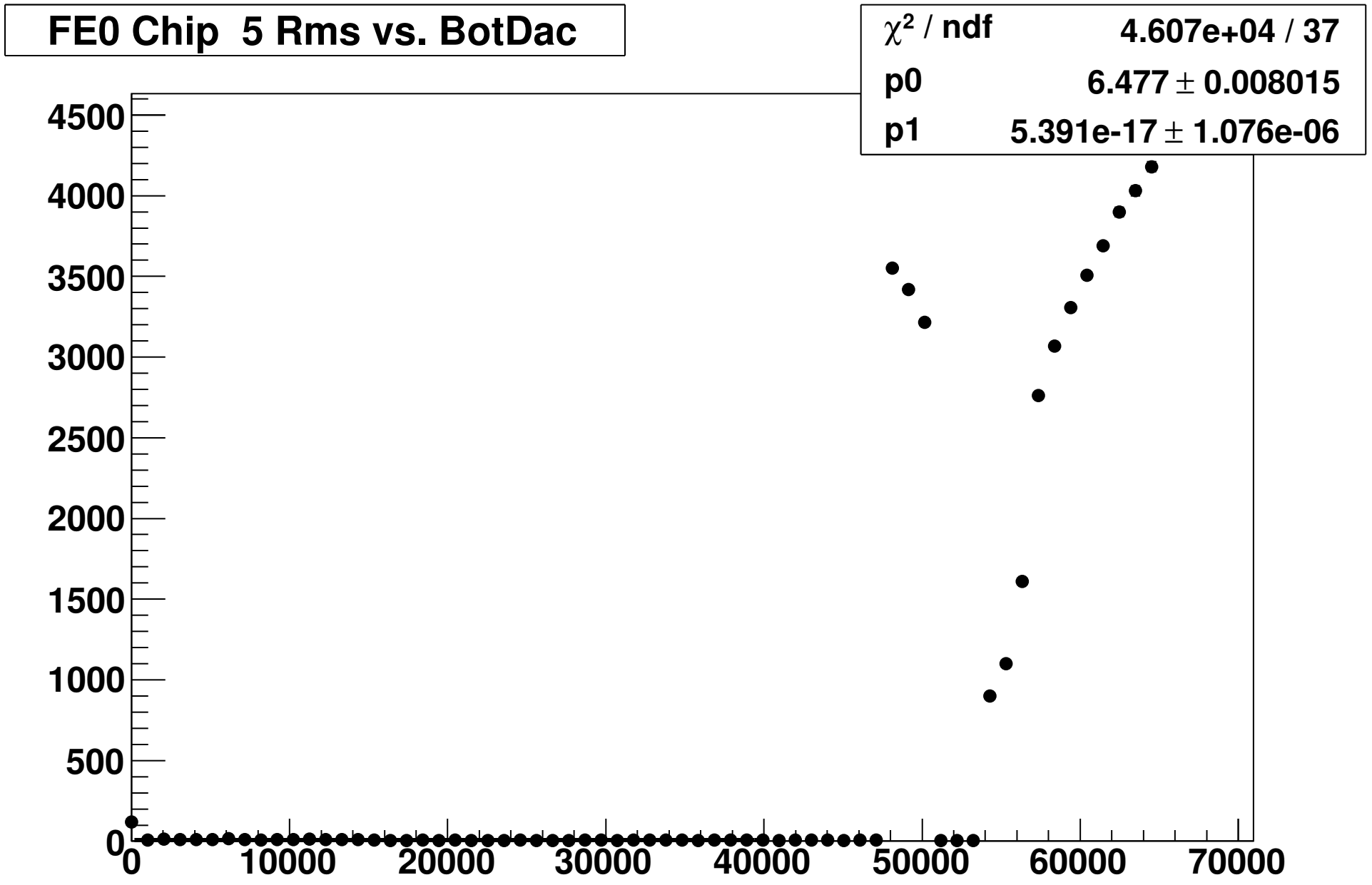
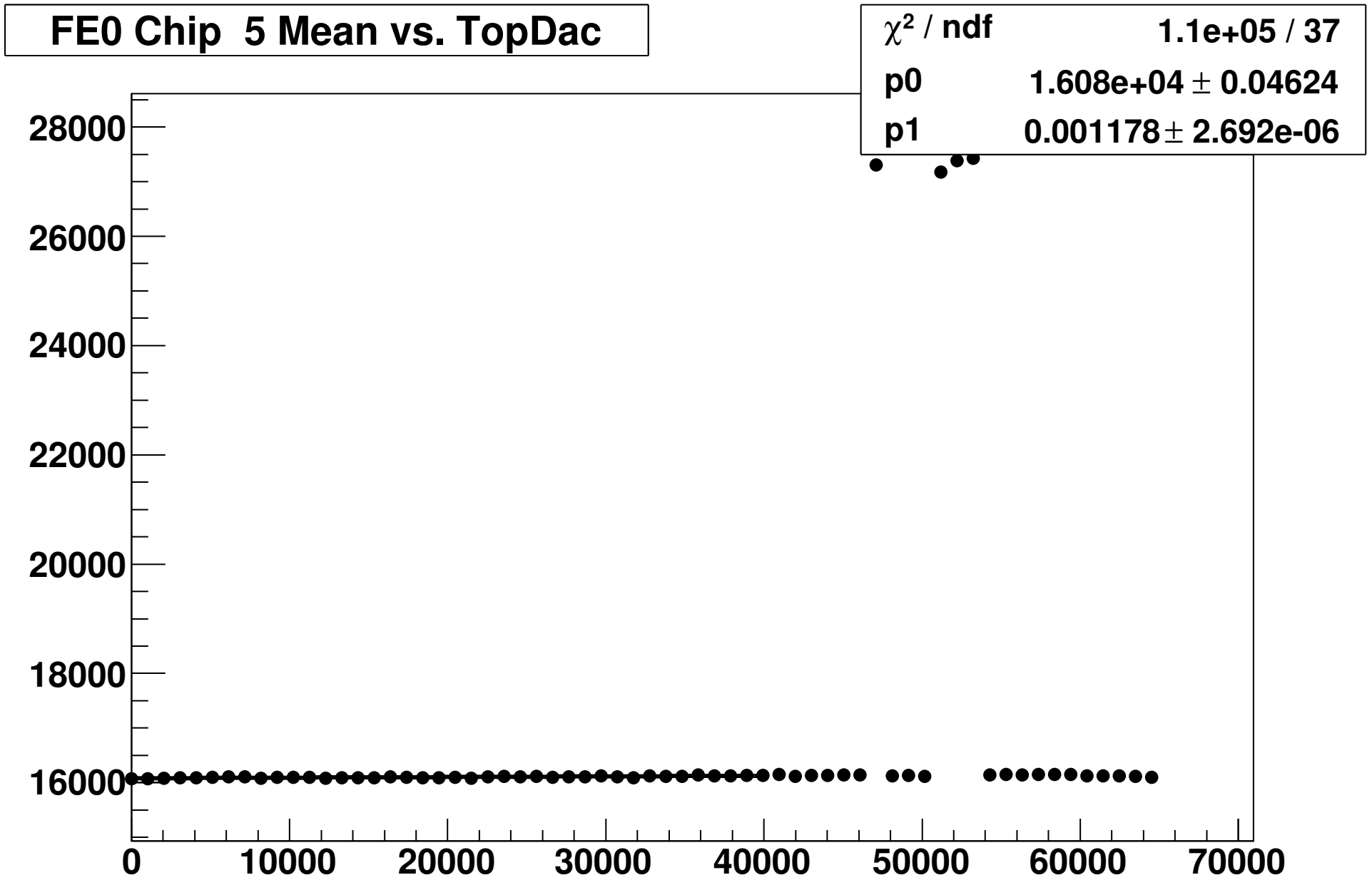
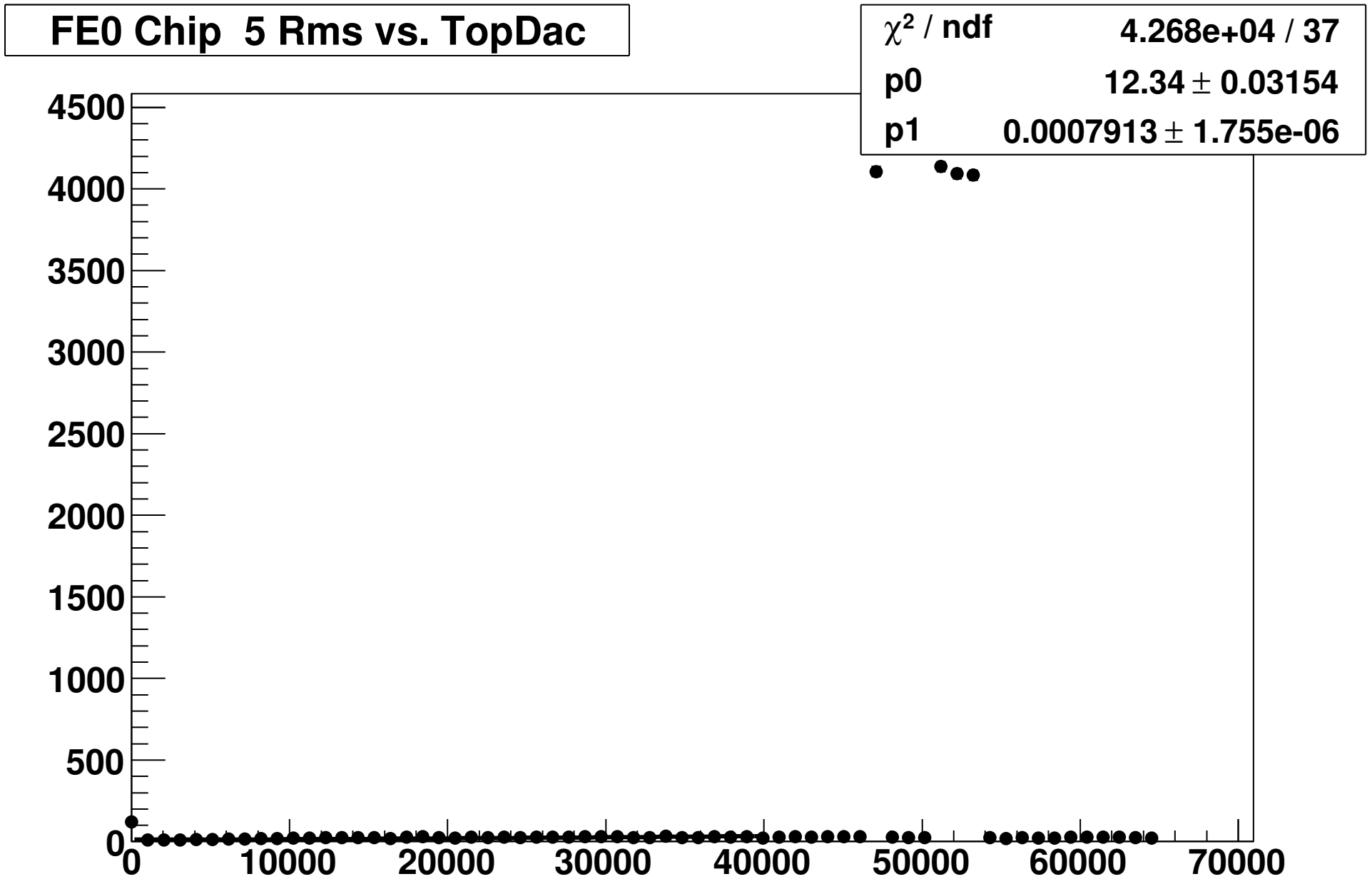
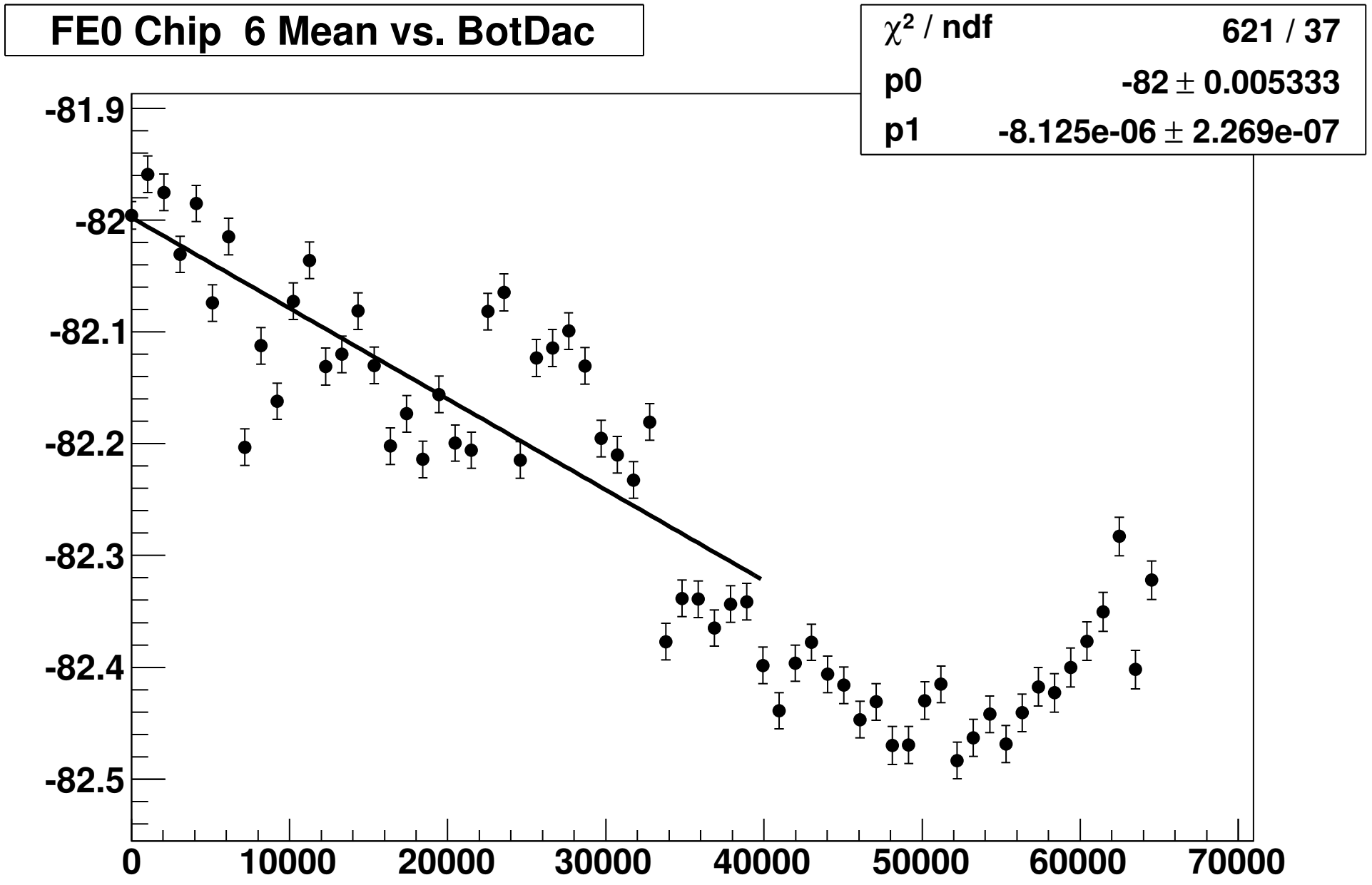
4000
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

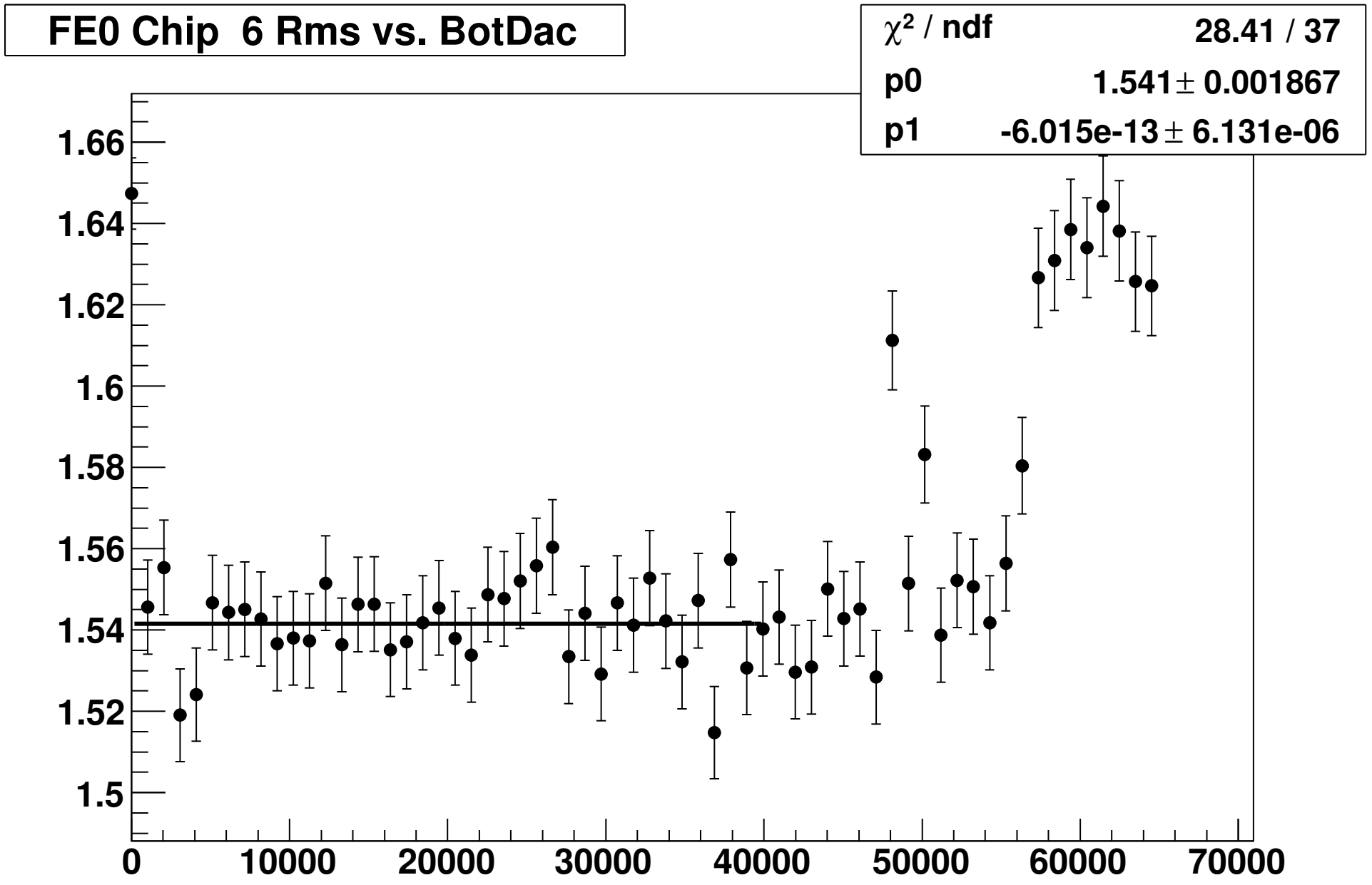

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 5.059e+09 / 37
p0 1.96e+04 ± 0.03031
p1 0.1053 ± 1.154e-06
24000
22000
20000
18000
16000
0
10000
20000
30000
40000
50000
60000
70000

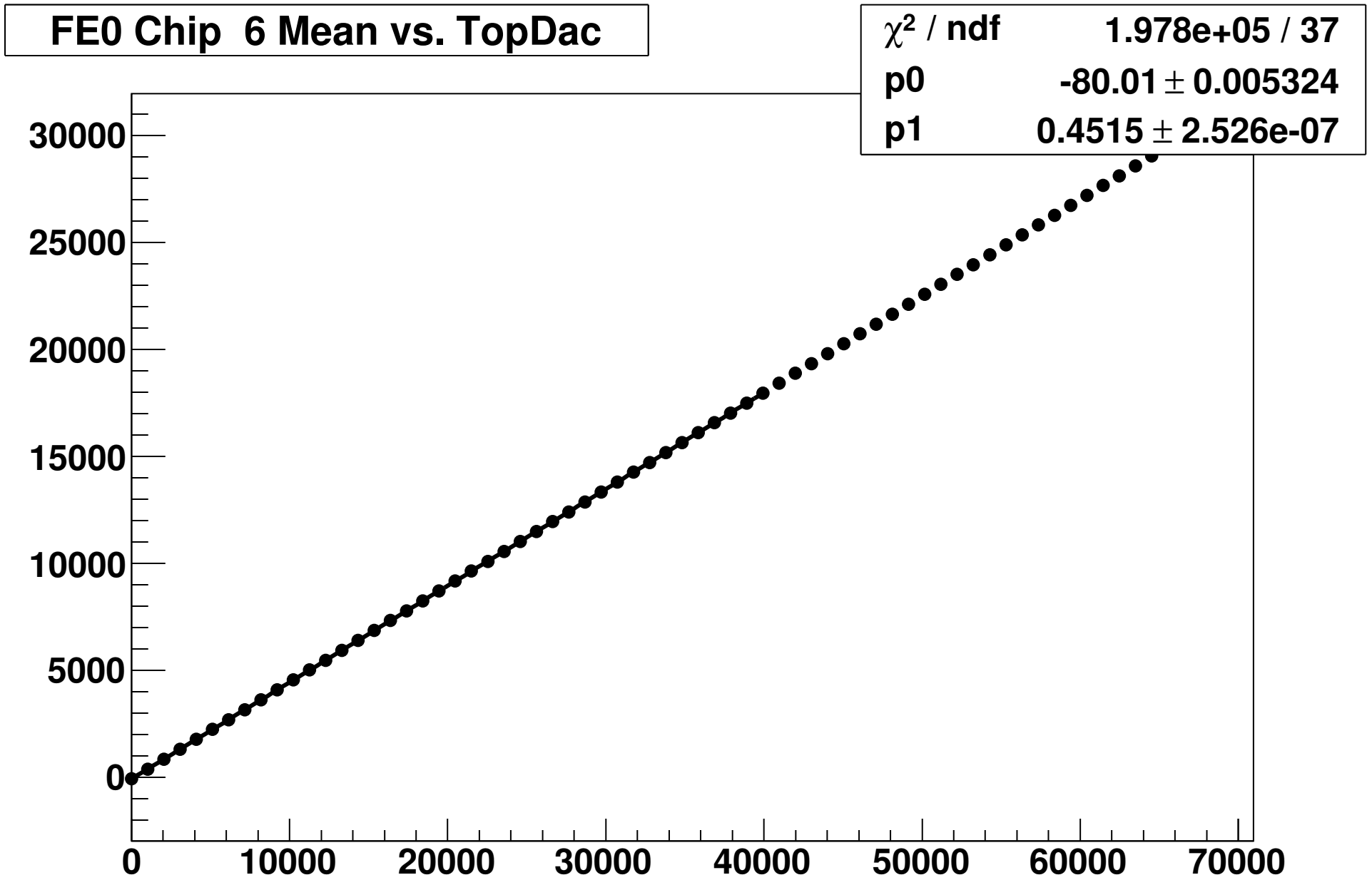

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 4.607e+04 / 37
p0 6.477 ± 0.008015
p1 5.391e-17 ± 1.076e-06
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

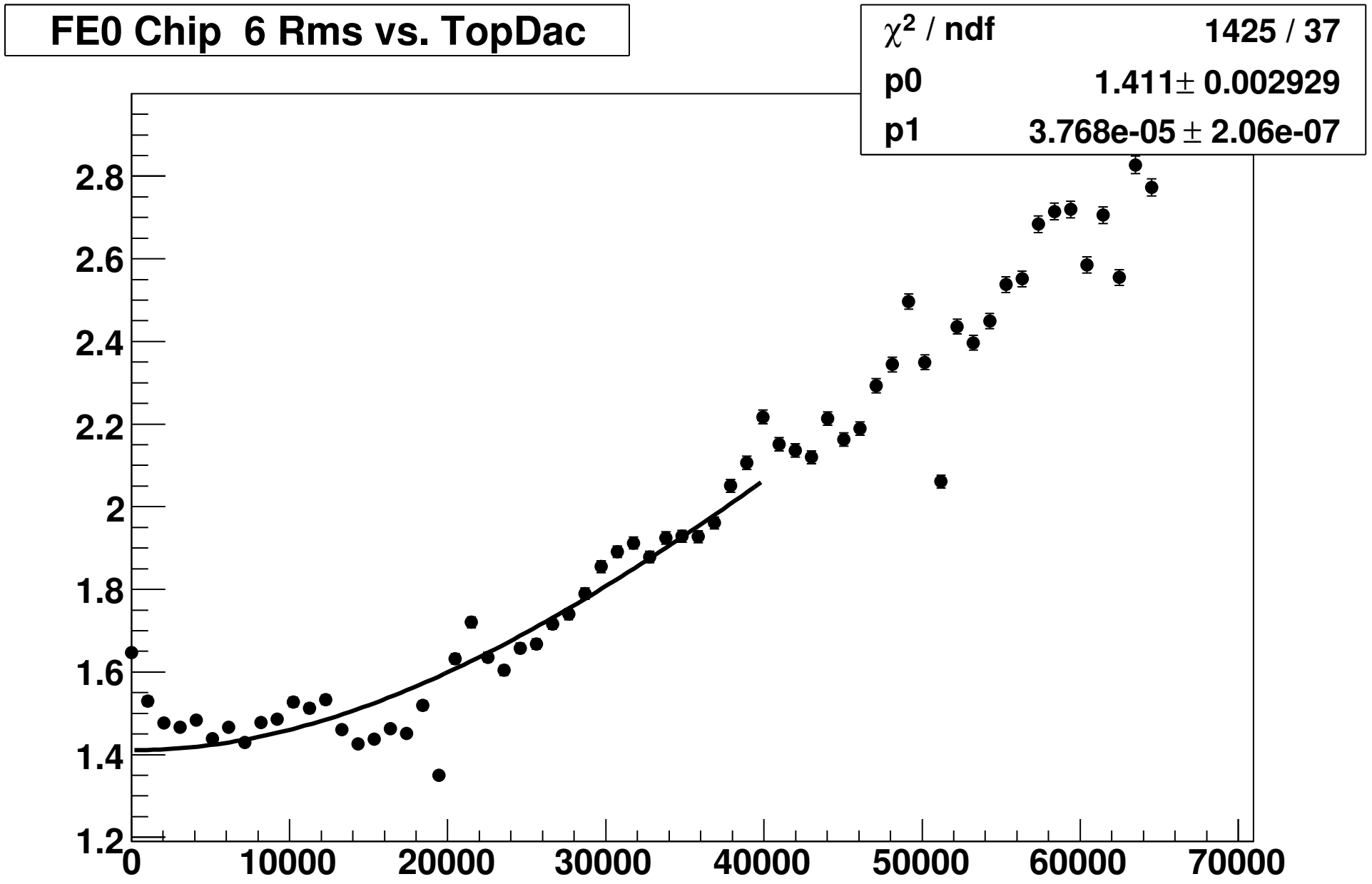

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 1.1e+05 / 37
p0 1.608e+04 ± 0.04624
p1 0.001178 ± 2.692e-06
28000
26000
24000
22000
20000
18000
16000
0
10000
20000
30000
40000
50000
60000
70000

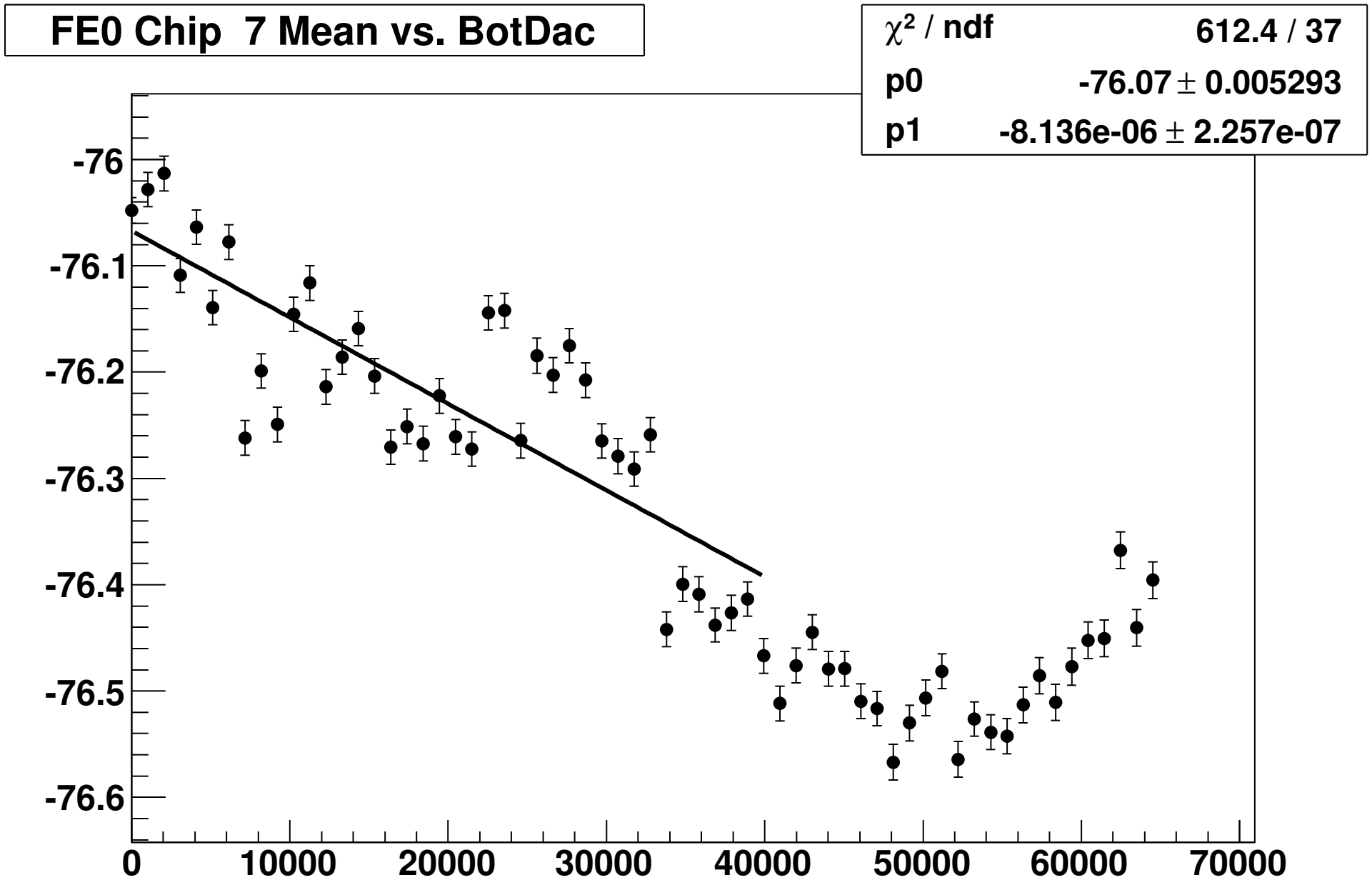

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 4.268e+04 / 37
p0 12.34 ± 0.03154
p1 0.0007913 ± 1.755e-06
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

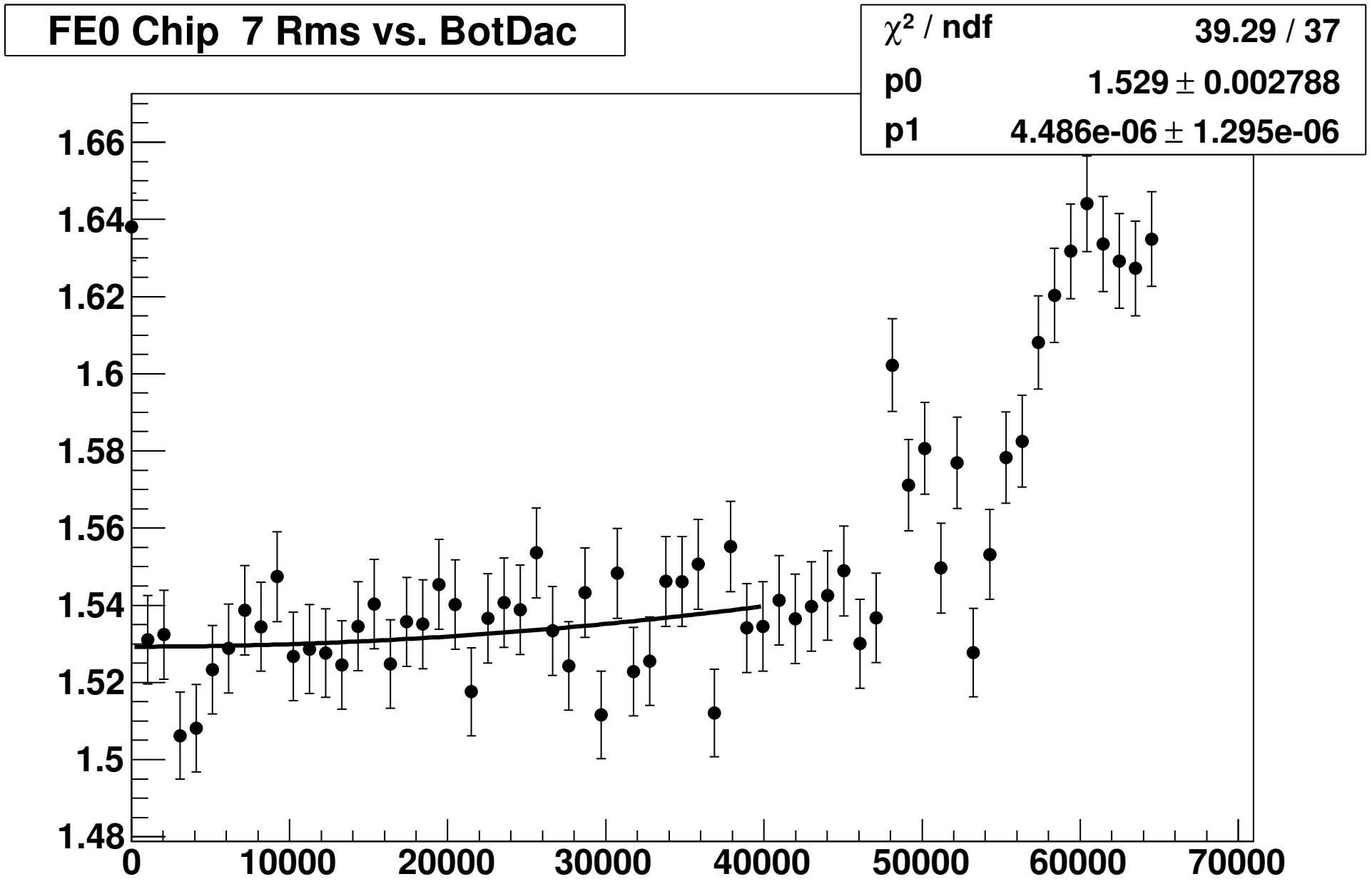

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 621 / 37
p0 -82 ± 0.005333
p1 -8.125e-06 ± 2.269e-07
-81.9
-82
-82.1
-82.2
-82.3
-82.4
-82.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 28.41 / 37
p0 1.541 ± 0.001867
p1 -6.015e-13 ± 6.131e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.978e+05 / 37
p0 -80.01 ± 0.005324
p1 0.4515 ± 2.526e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 1425 / 37
p0 1.411 ± 0.002929
p1 3.768e-05 ± 2.06e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 612.4 / 37
p0 -76.07 ± 0.005293
p1 -8.136e-06 ± 2.257e-07
-76
-76.1
-76.2
-76.3
-76.4
-76.5
-76.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 39.29 / 37
p0 1.529 ± 0.002788
p1 4.486e-06 ± 1.295e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
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20000
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50000
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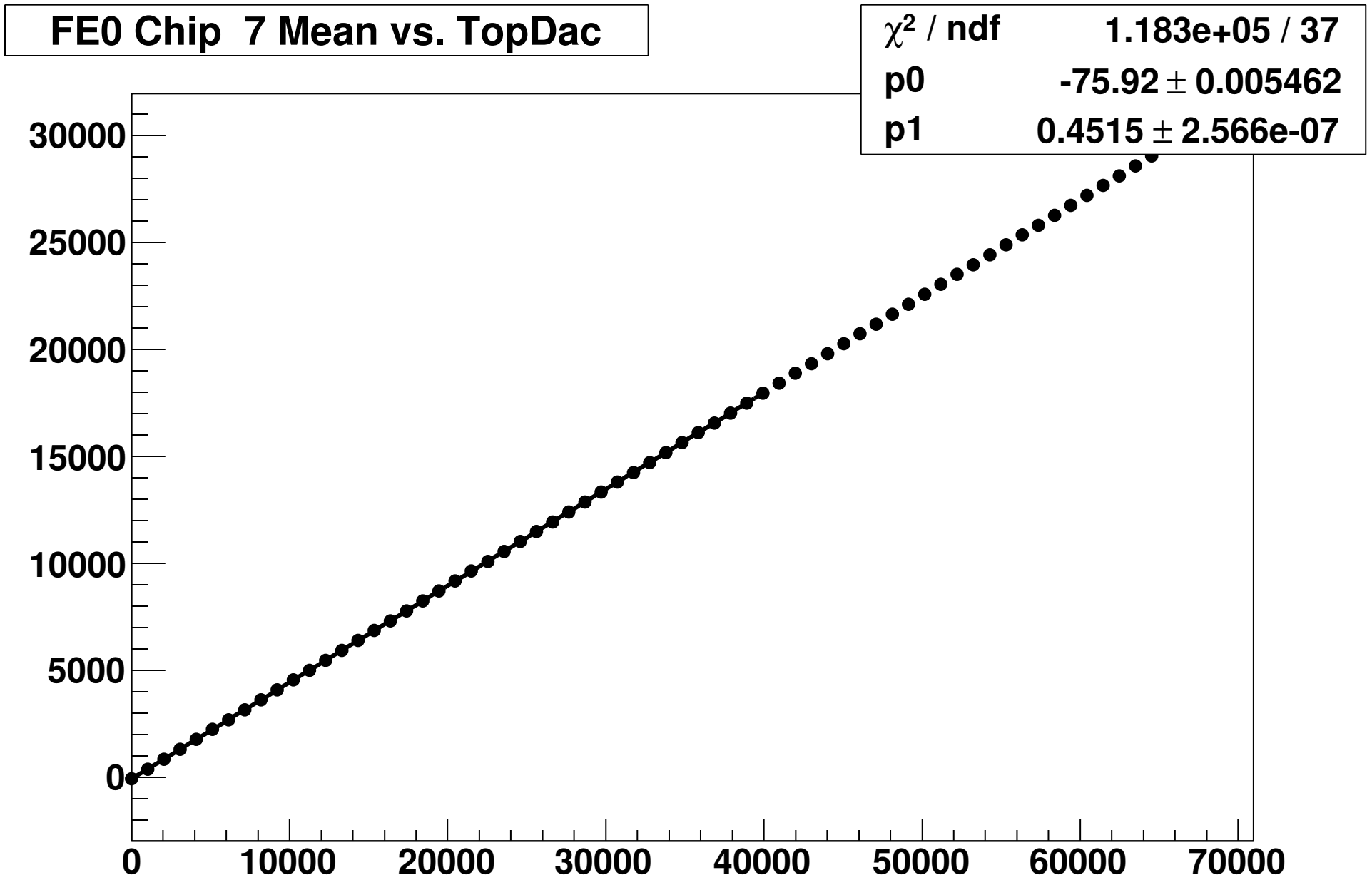
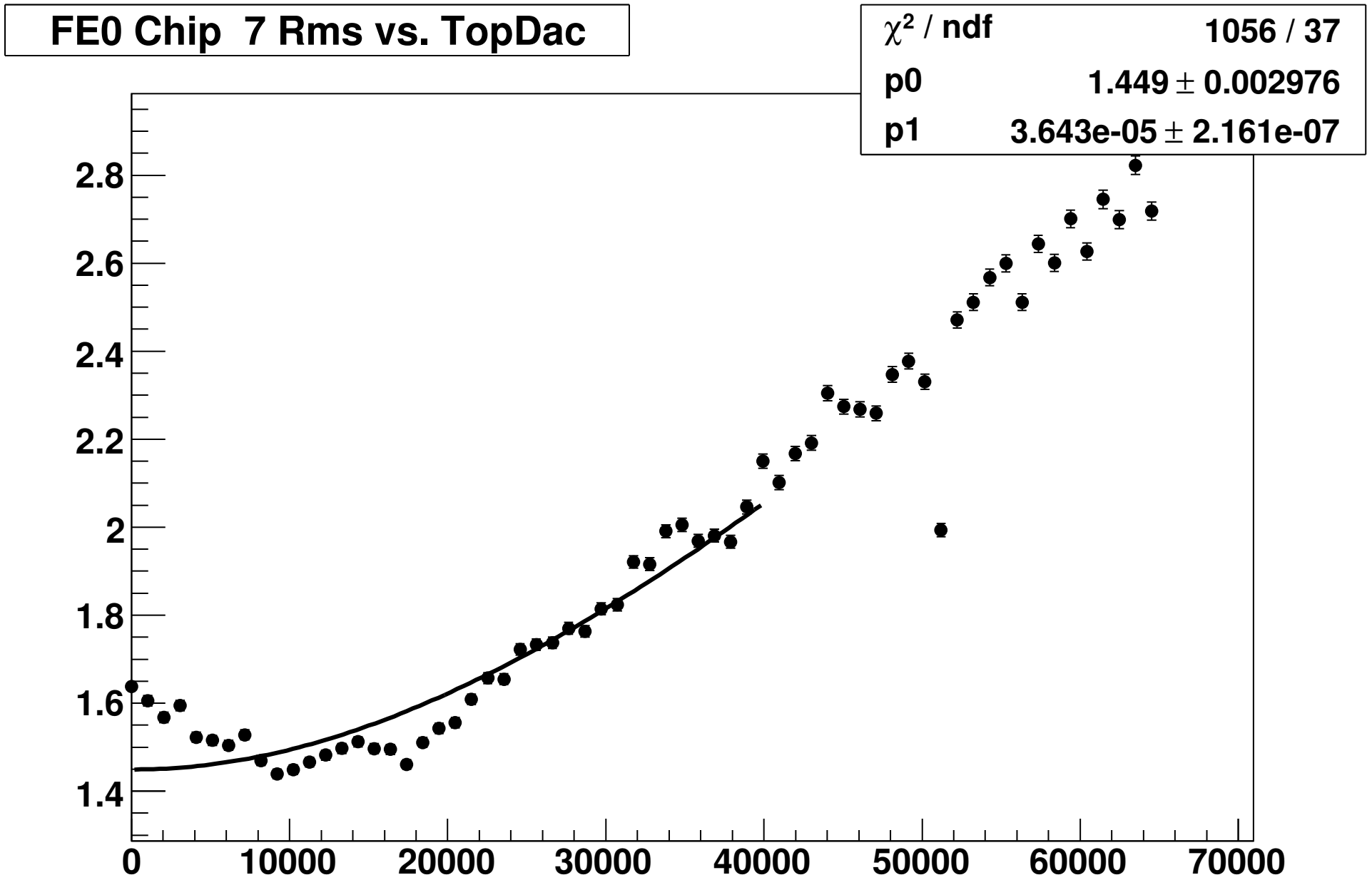
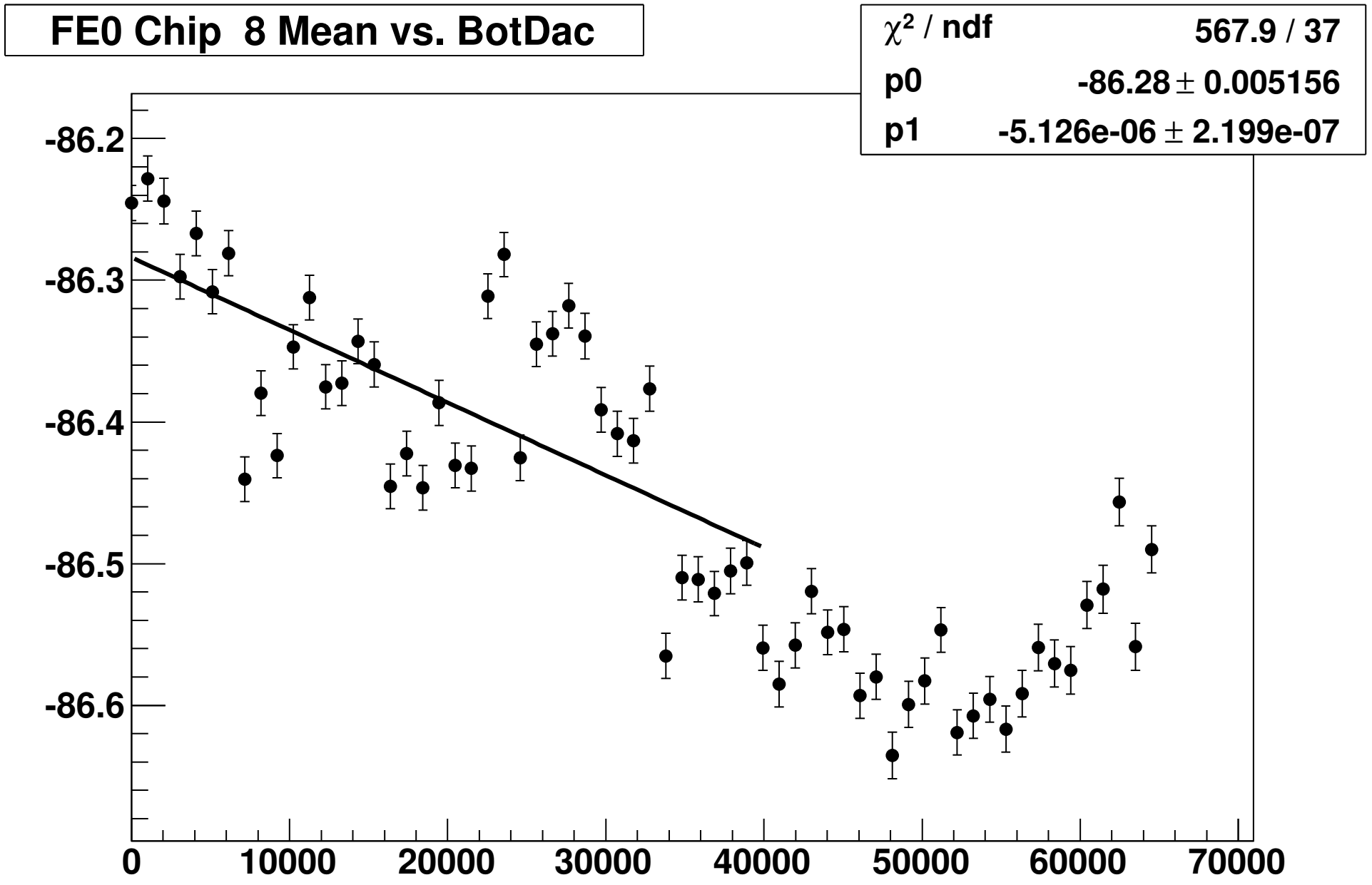
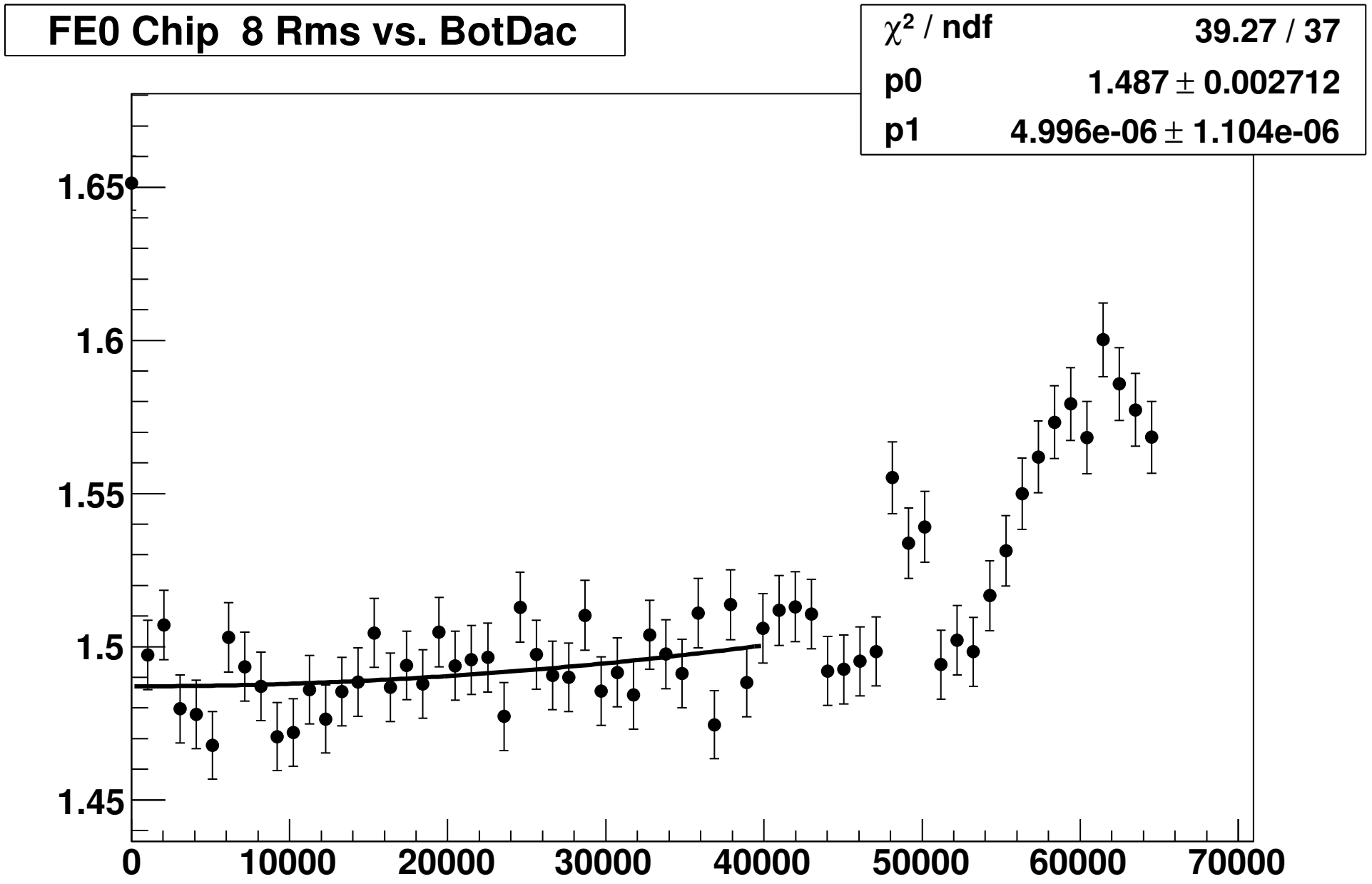
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.183e+05 / 37
p0 -75.92 ± 0.005462
p1 0.4515 ± 2.566e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1056 / 37
p0 1.449 ± 0.002976
p1 3.643e-05 ± 2.161e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 567.9 / 37
p0 -86.28 ± 0.005156
p1 -5.126e-06 ± 2.199e-07
-86.2
-86.3
-86.4
-86.5
-86.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 39.27 / 37
p0 1.487 ± 0.002712
p1 4.996e-06 ± 1.104e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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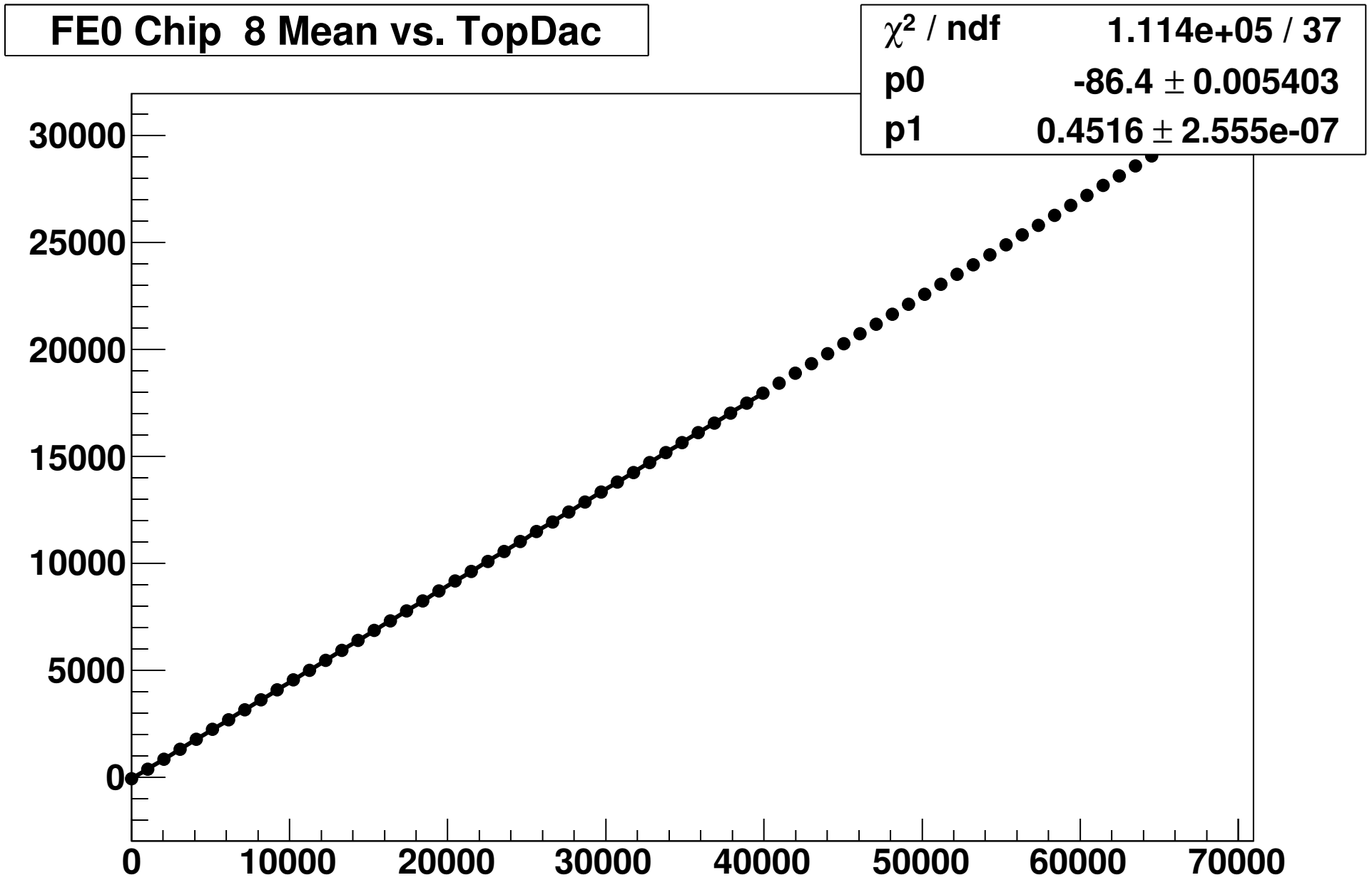
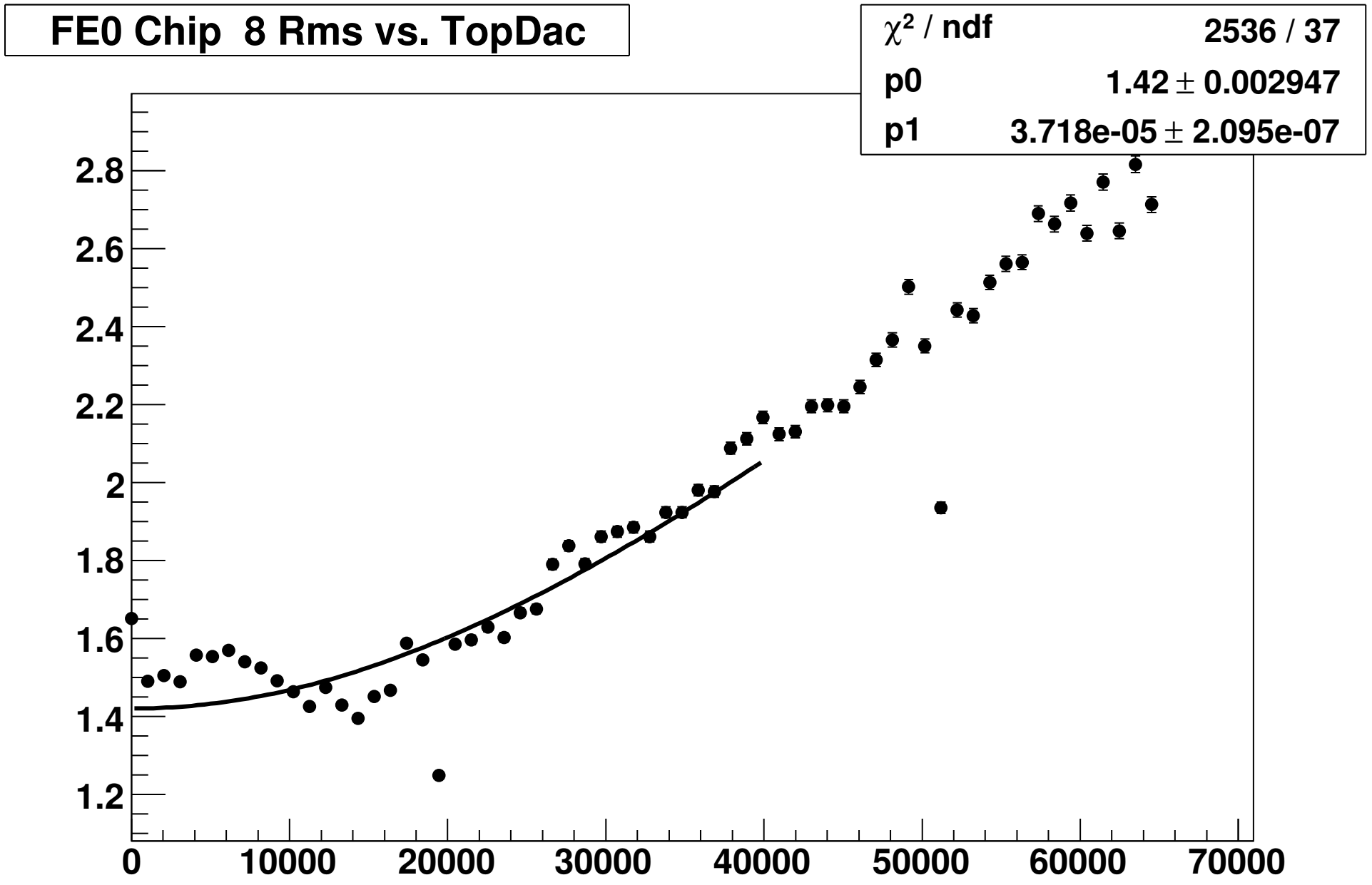
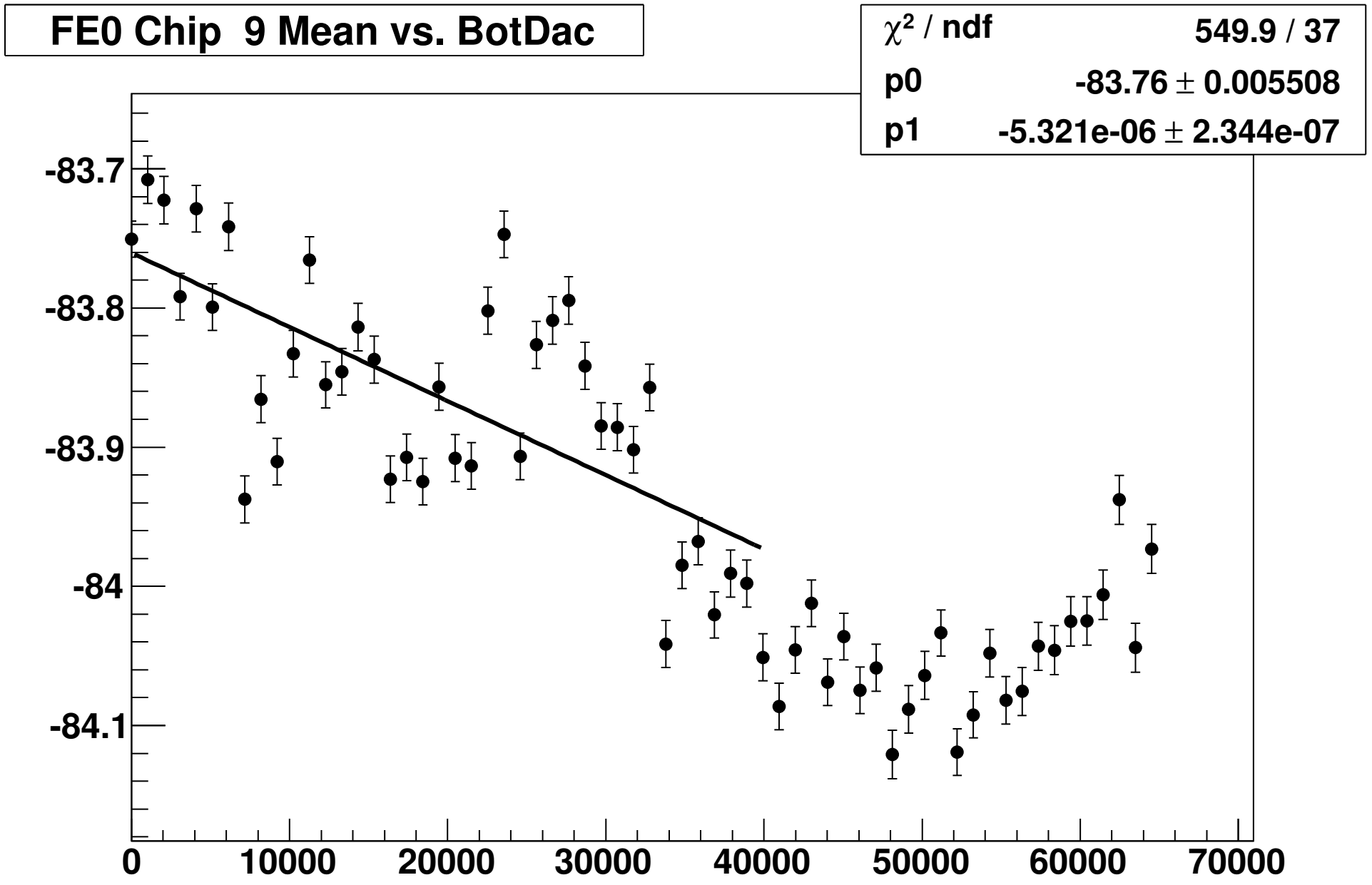
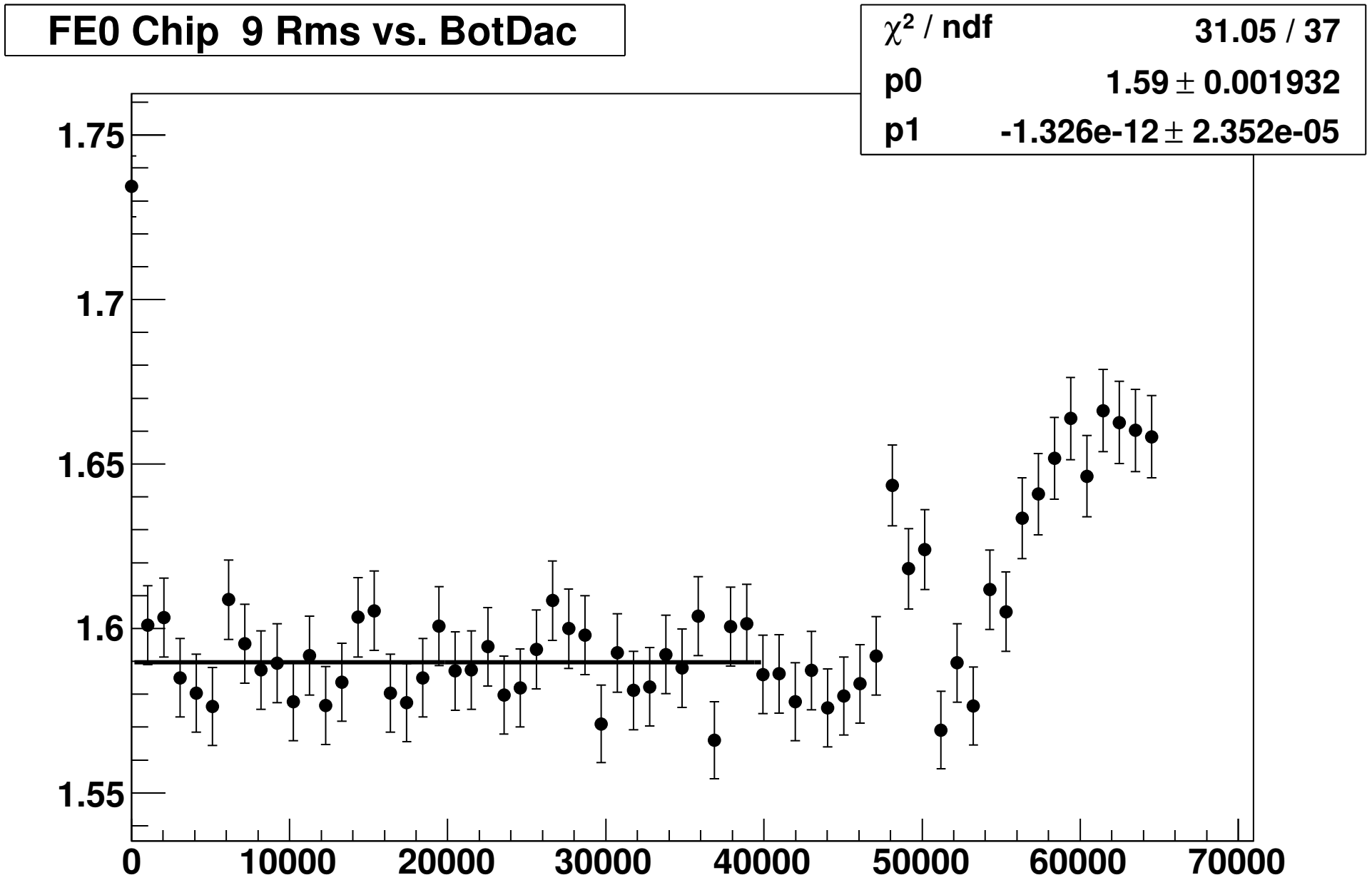
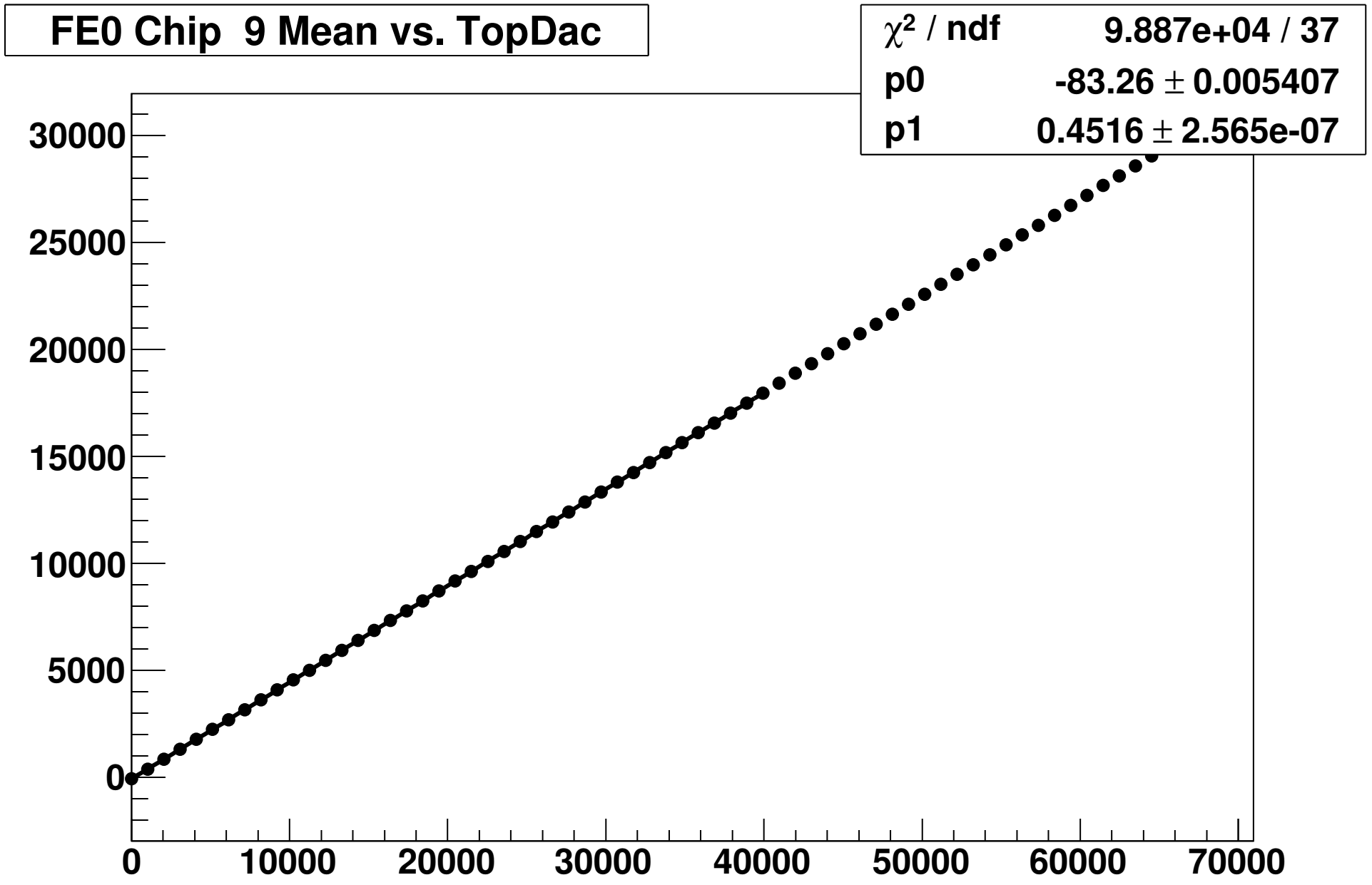
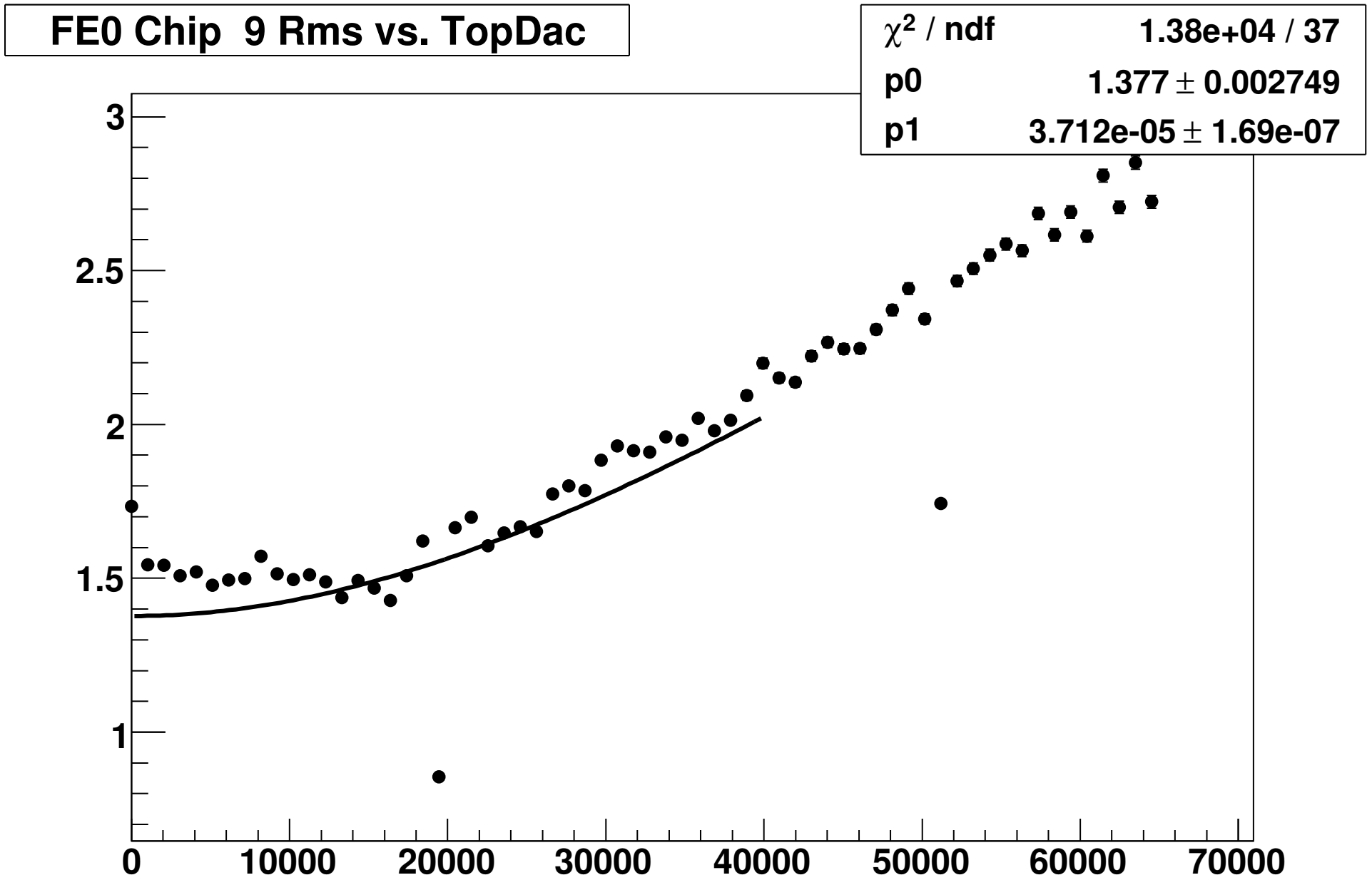

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.114e+05 / 37
p0 -86.4 ± 0.005403
p1 0.4516 ± 2.555e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

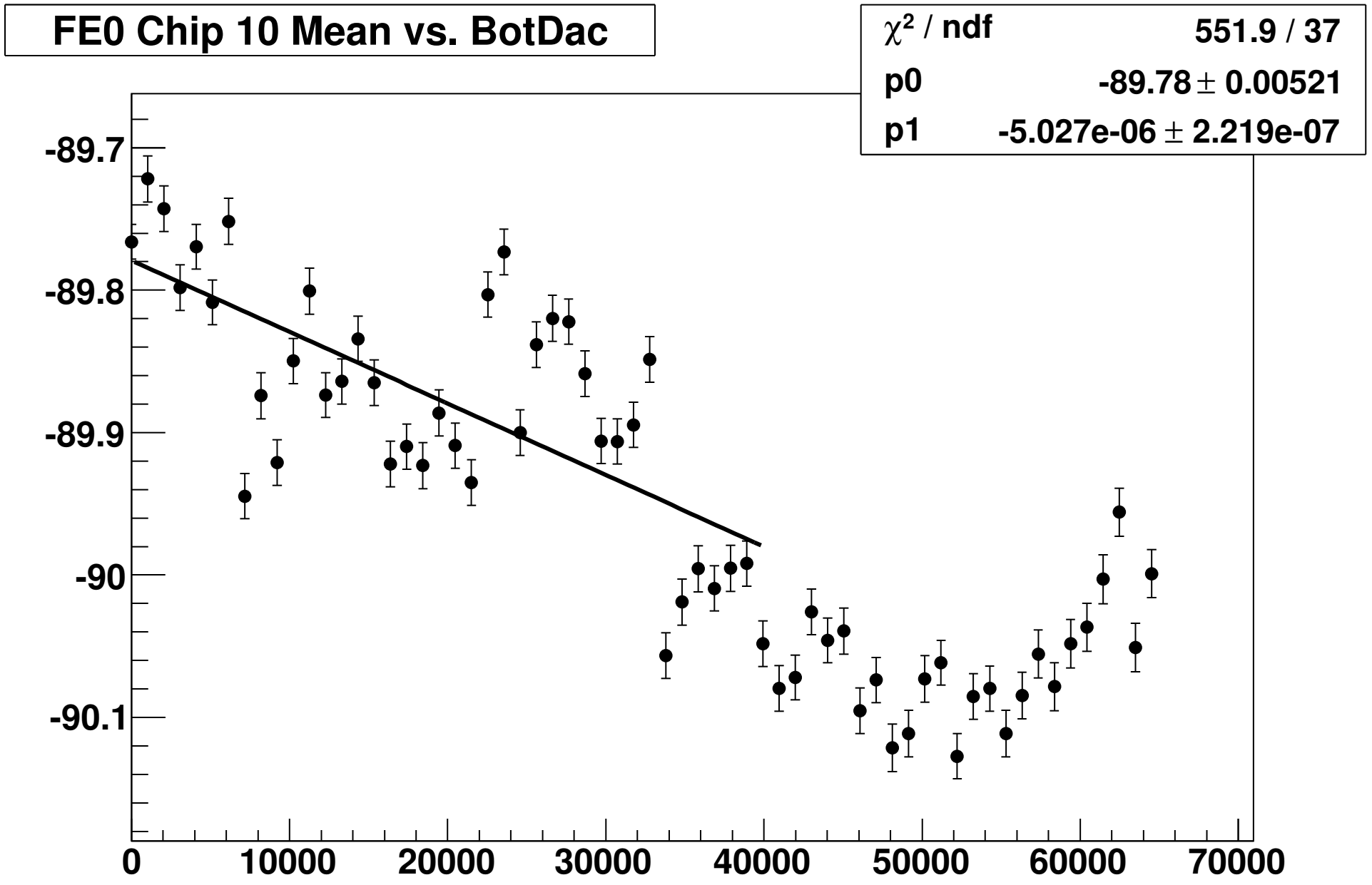

FE0 Chip 8 Rms vs. TopDac
χ² / ndf 2536 / 37
p0 1.42 ± 0.002947
p1 3.718e-05 ± 2.095e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

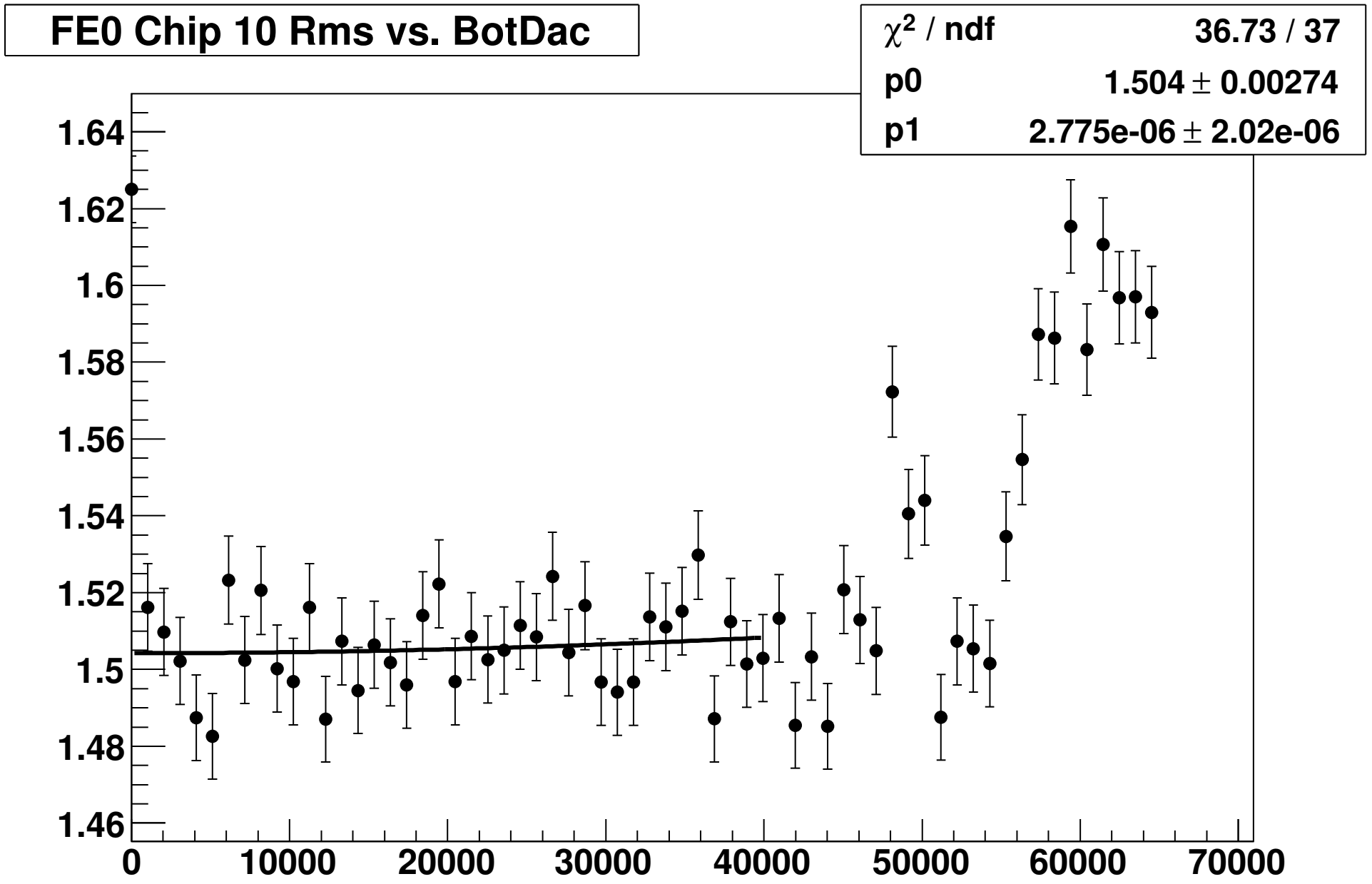

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 549.9 / 37
p0 -83.76 ± 0.005508
p1 -5.321e-06 ± 2.344e-07
-83.7
-83.8
-83.9
-84
-84.1
0
10000
20000
30000
40000
50000
60000
70000

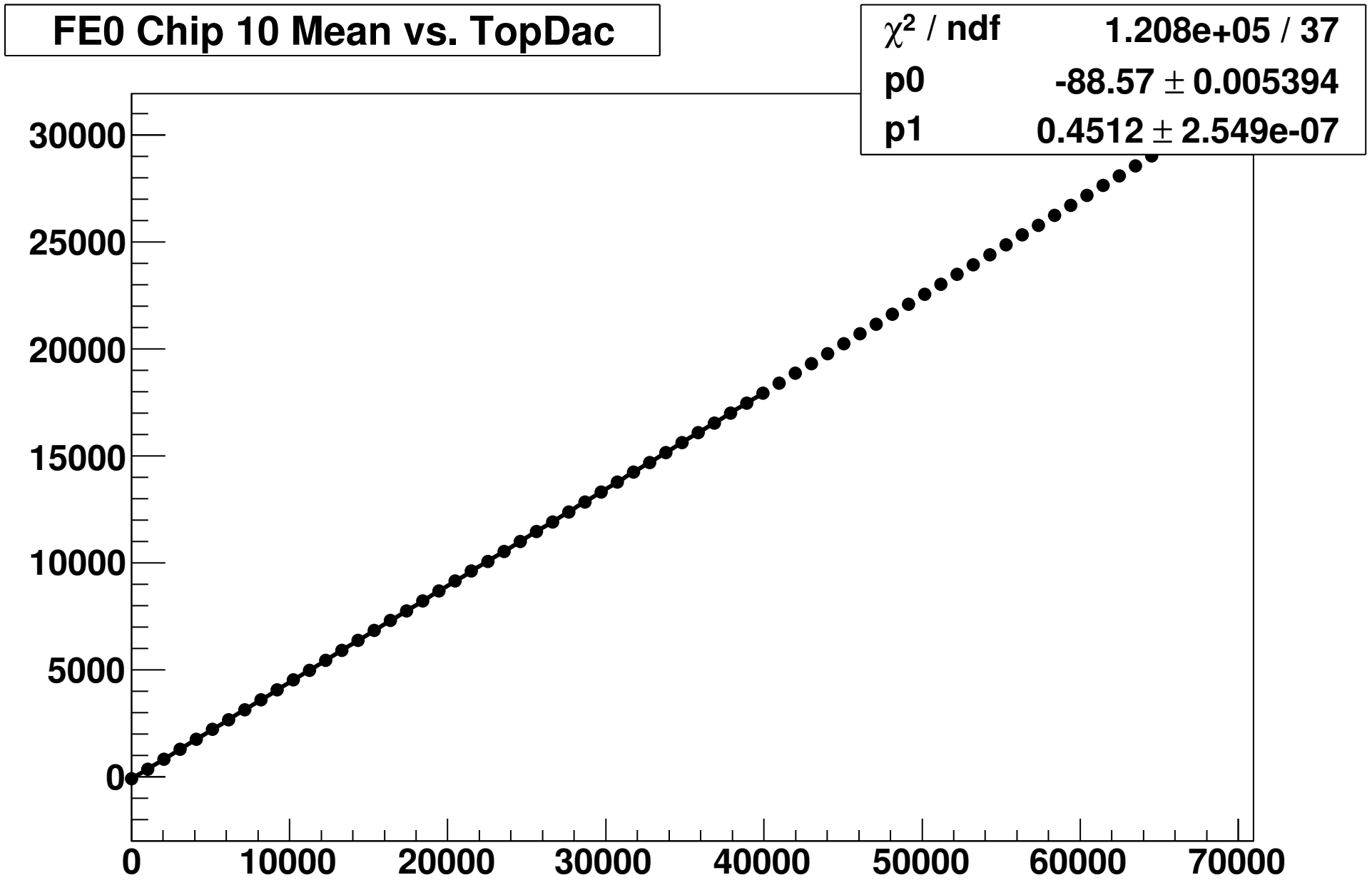

FE0 Chip 9 Rms vs. BotDac
χ² / ndf 31.05 / 37
p0 1.59 ± 0.001932
p1 -1.326e-12 ± 2.352e-05
1.75
1.7
1.65
1.6
1.55
0
10000
20000
30000
40000
50000
60000
70000

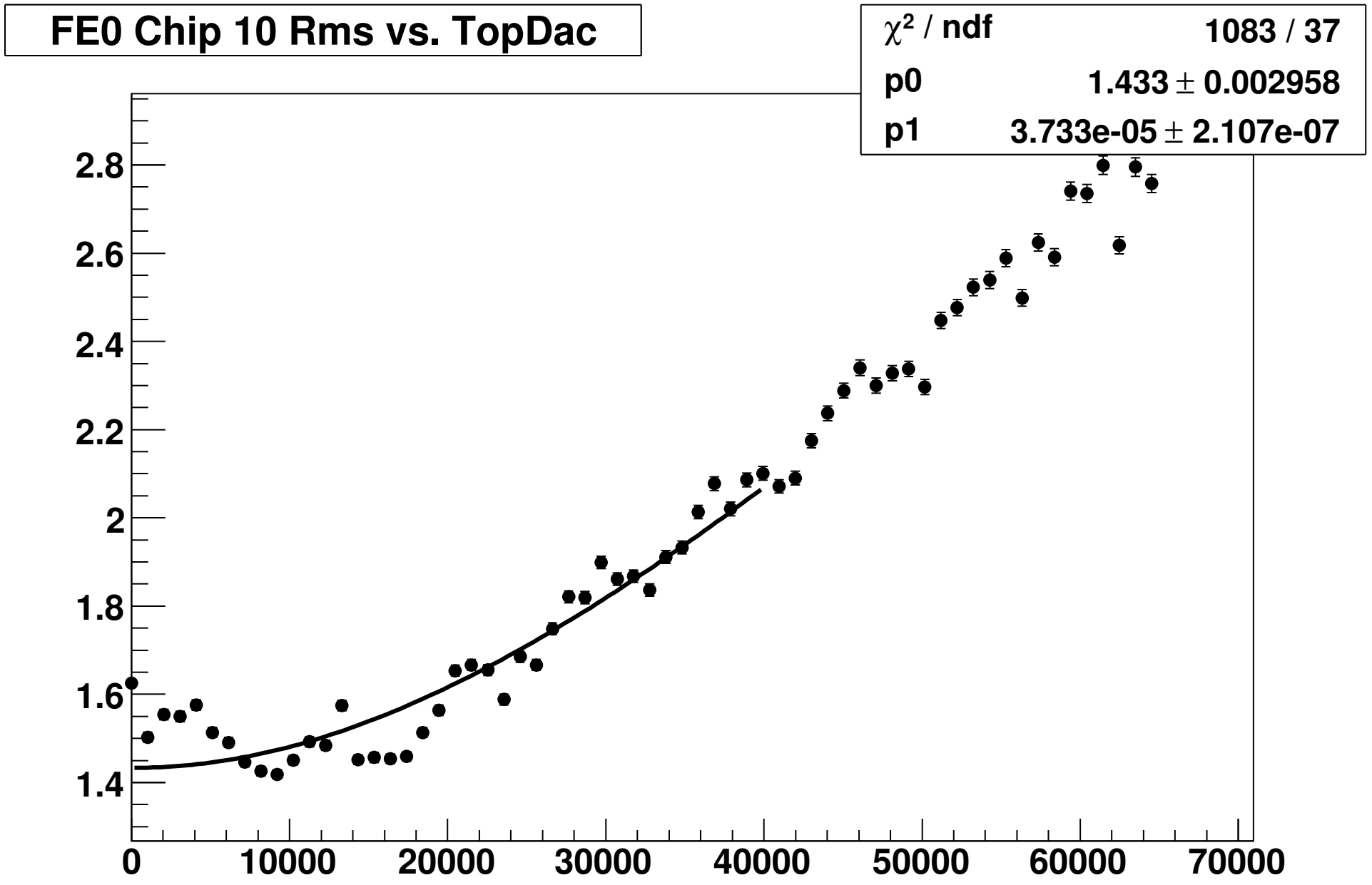

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 9.887e+04 / 37
p0 -83.26 ± 0.005407
p1 0.4516 ± 2.565e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

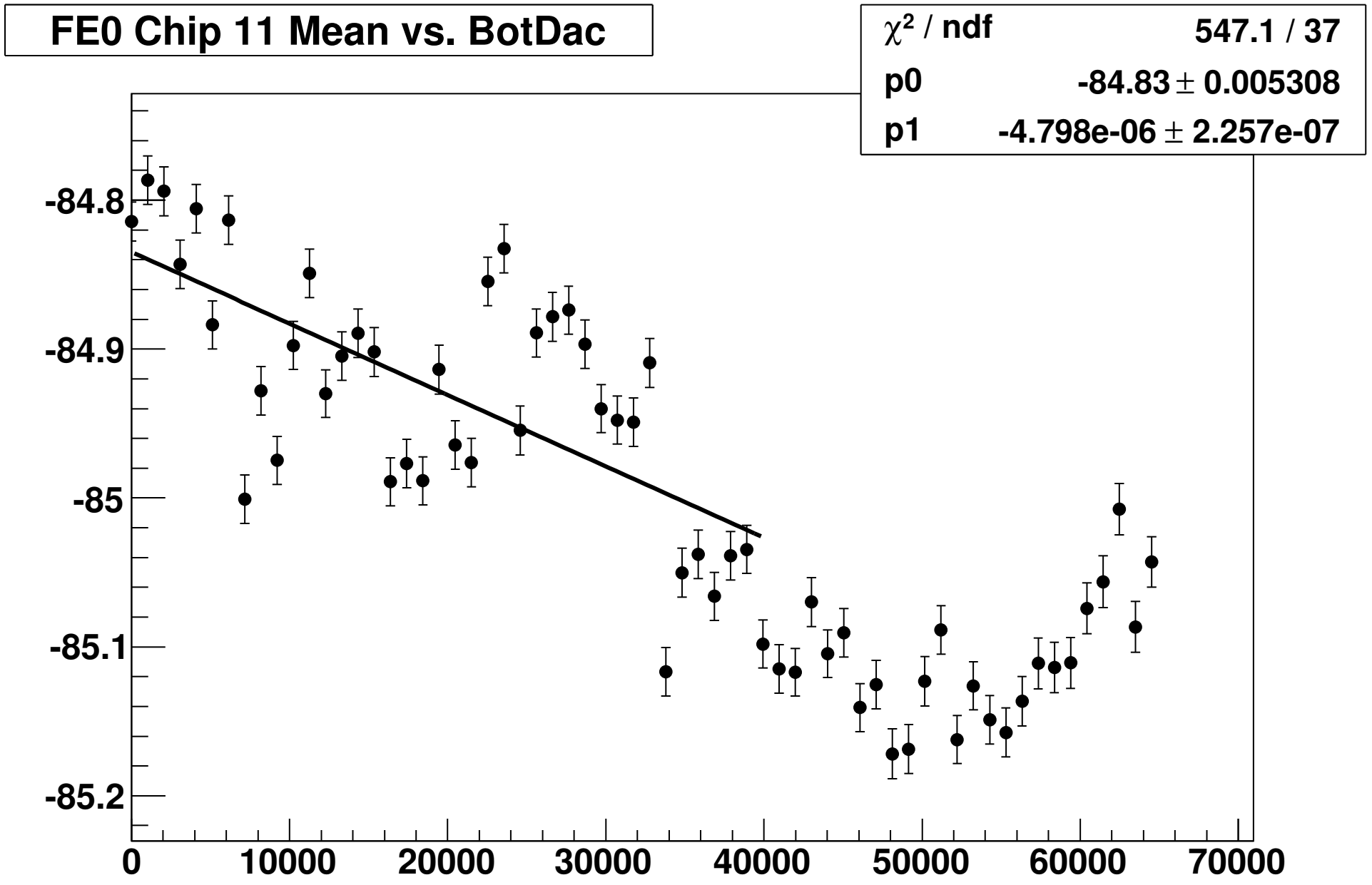

FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1.38e+04 / 37
p0 1.377 ± 0.002749
p1 3.712e-05 ± 1.69e-07
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000

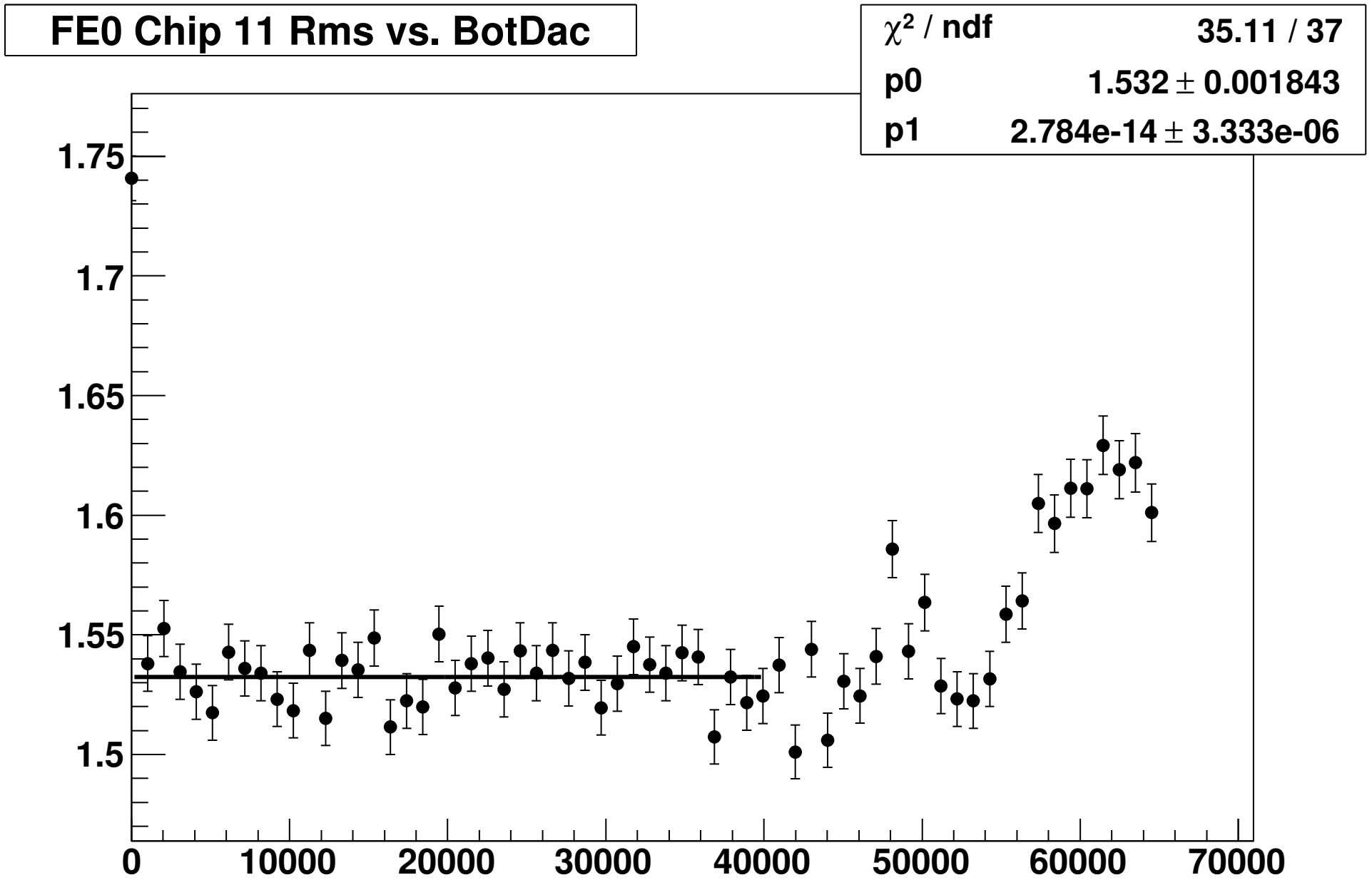

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 551.9 / 37
p0 -89.78 ± 0.00521
p1 -5.027e-06 ± 2.219e-07
-89.7
-89.8
-89.9
-90
-90.1
0
10000
20000
30000
40000
50000
60000
70000

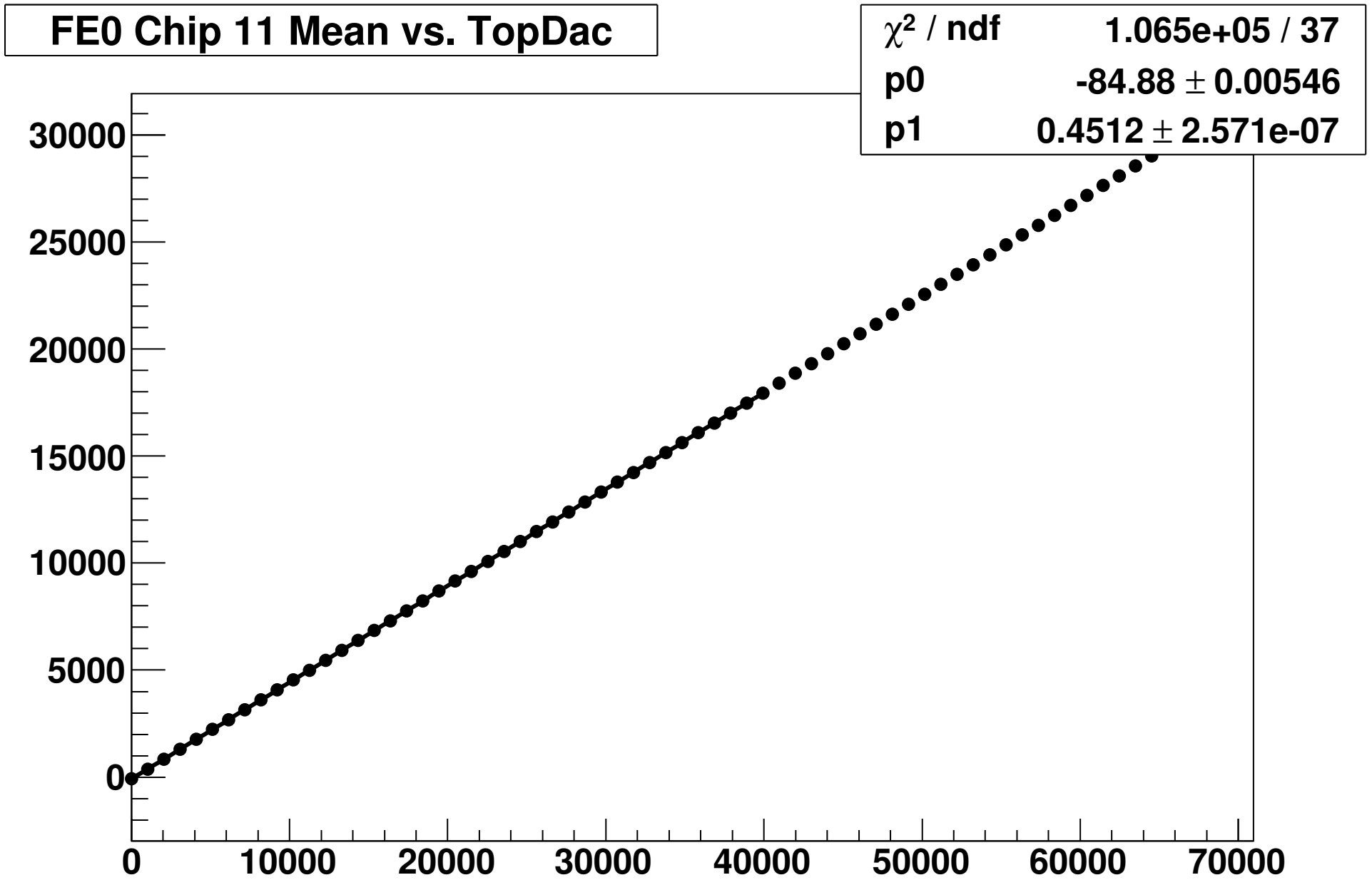

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 36.73 / 37
p0 1.504 ± 0.00274
p1 2.775e-06 ± 2.02e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

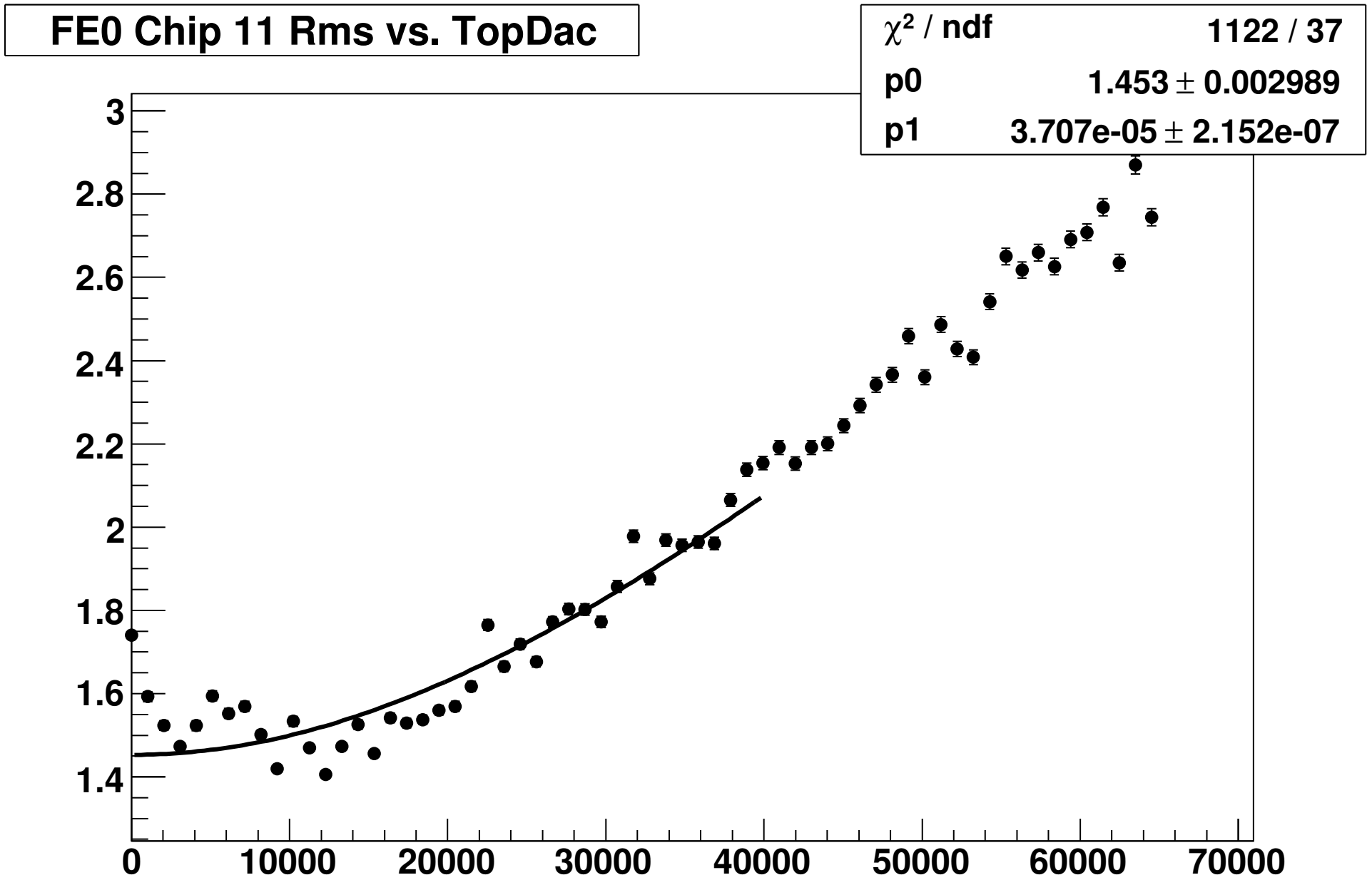

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.208e+05 / 37
p0 -88.57 ± 0.005394
p1 0.4512 ± 2.549e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

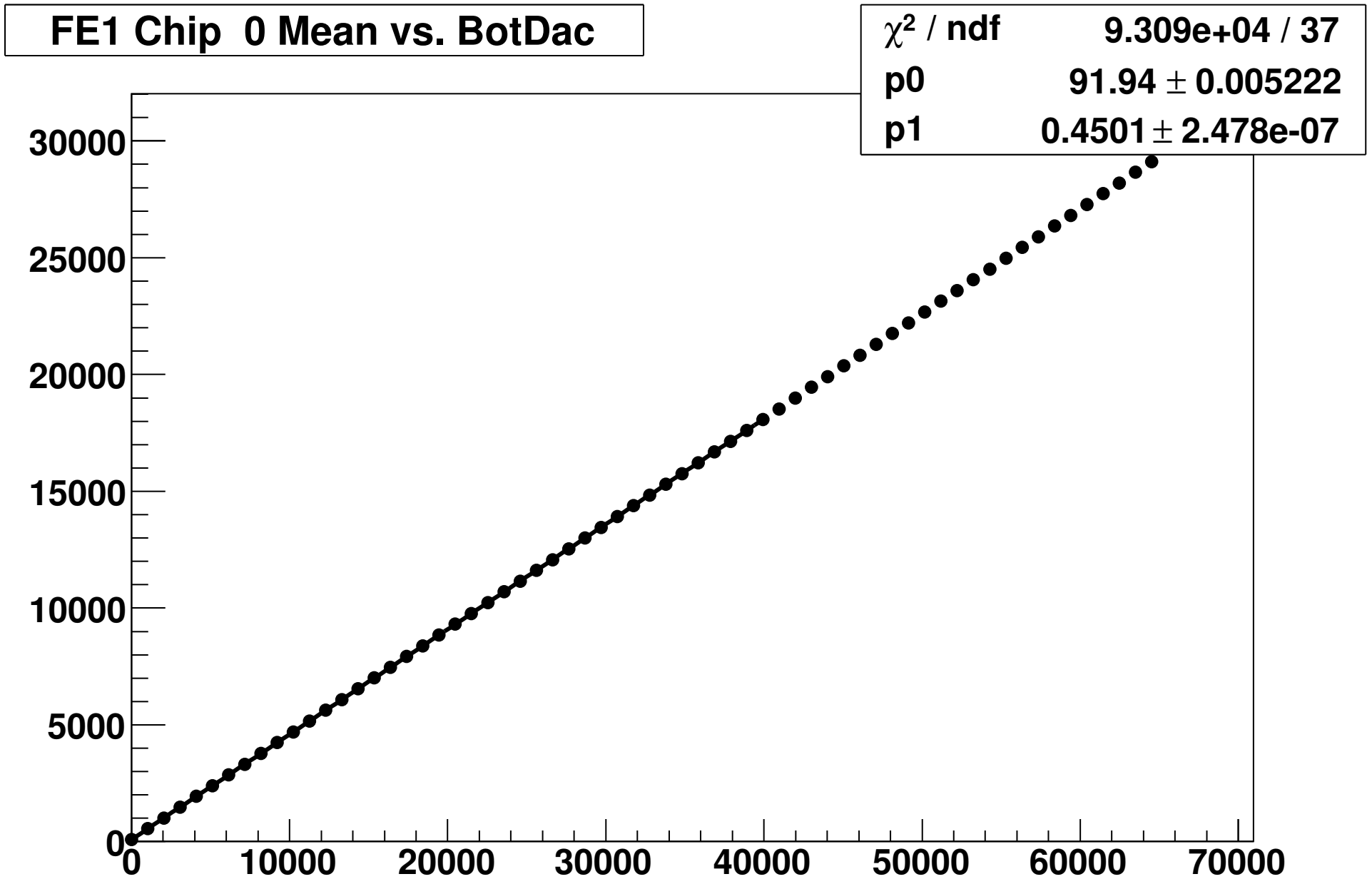

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 1083 / 37
p0 1.433 ± 0.002958
p1 3.733e-05 ± 2.107e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 547.1 / 37
p0 -84.83 ± 0.005308
p1 -4.798e-06 ± 2.257e-07
-84.8
-84.9
-85
-85.1
-85.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 35.11 / 37
p0 1.532 ± 0.001843
p1 2.784e-14 ± 3.333e-06
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.065e+05 / 37
p0 -84.88 ± 0.00546
p1 0.4512 ± 2.571e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 1122 / 37
p0 1.453 ± 0.002989
p1 3.707e-05 ± 2.152e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 9.309e+04 / 37
p0 91.94 ± 0.005222
p1 0.4501 ± 2.478e-07
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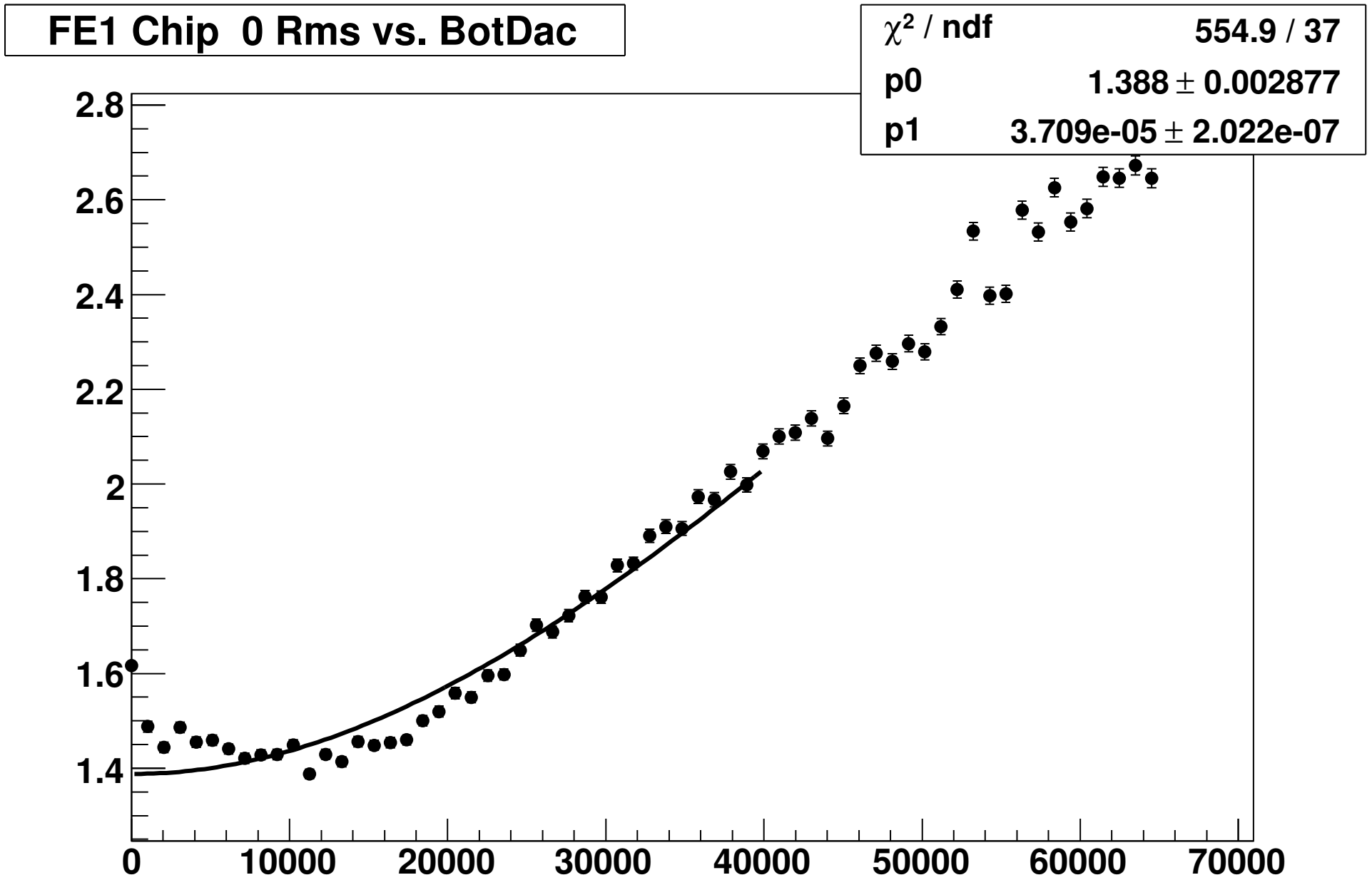
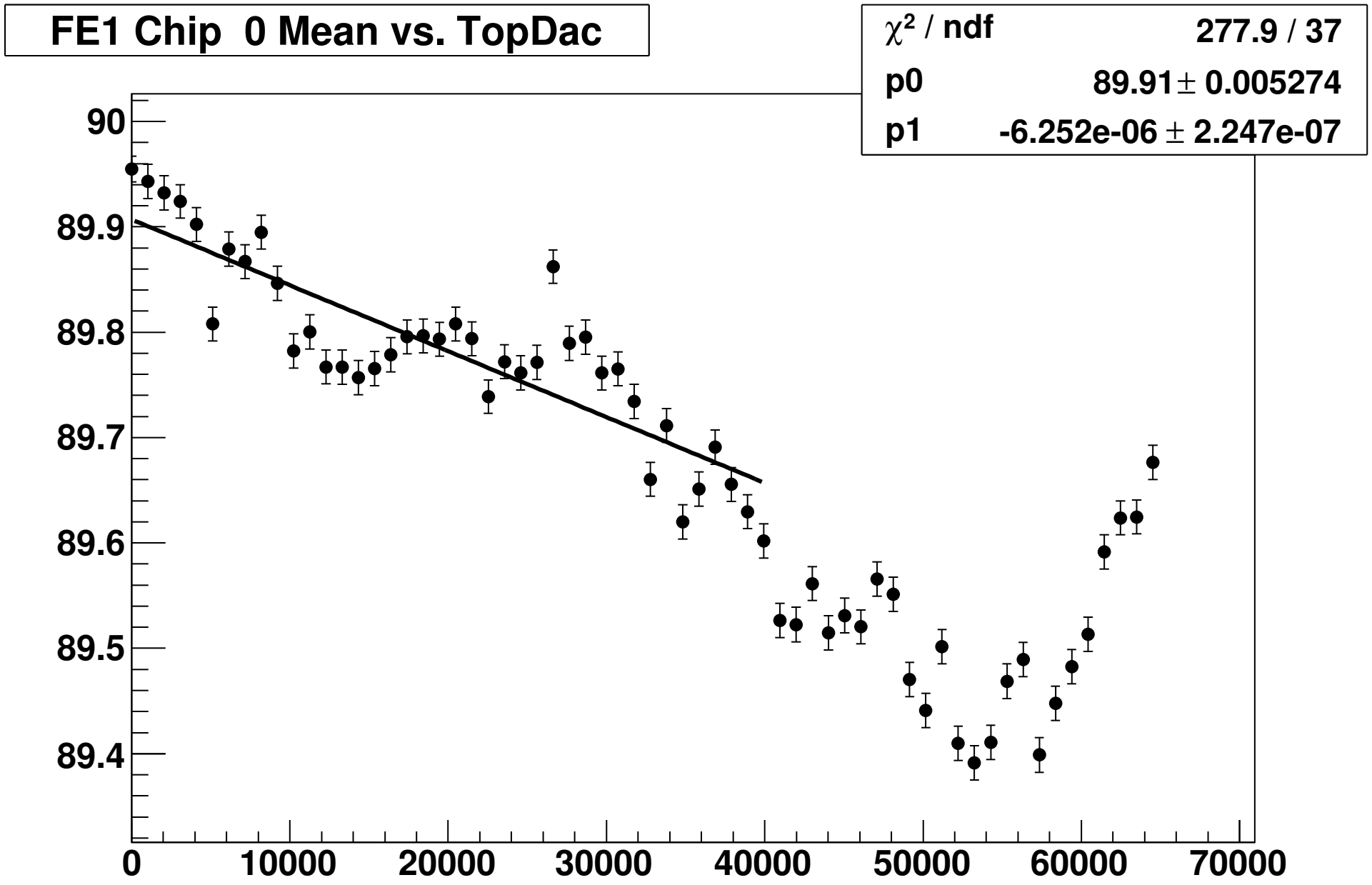
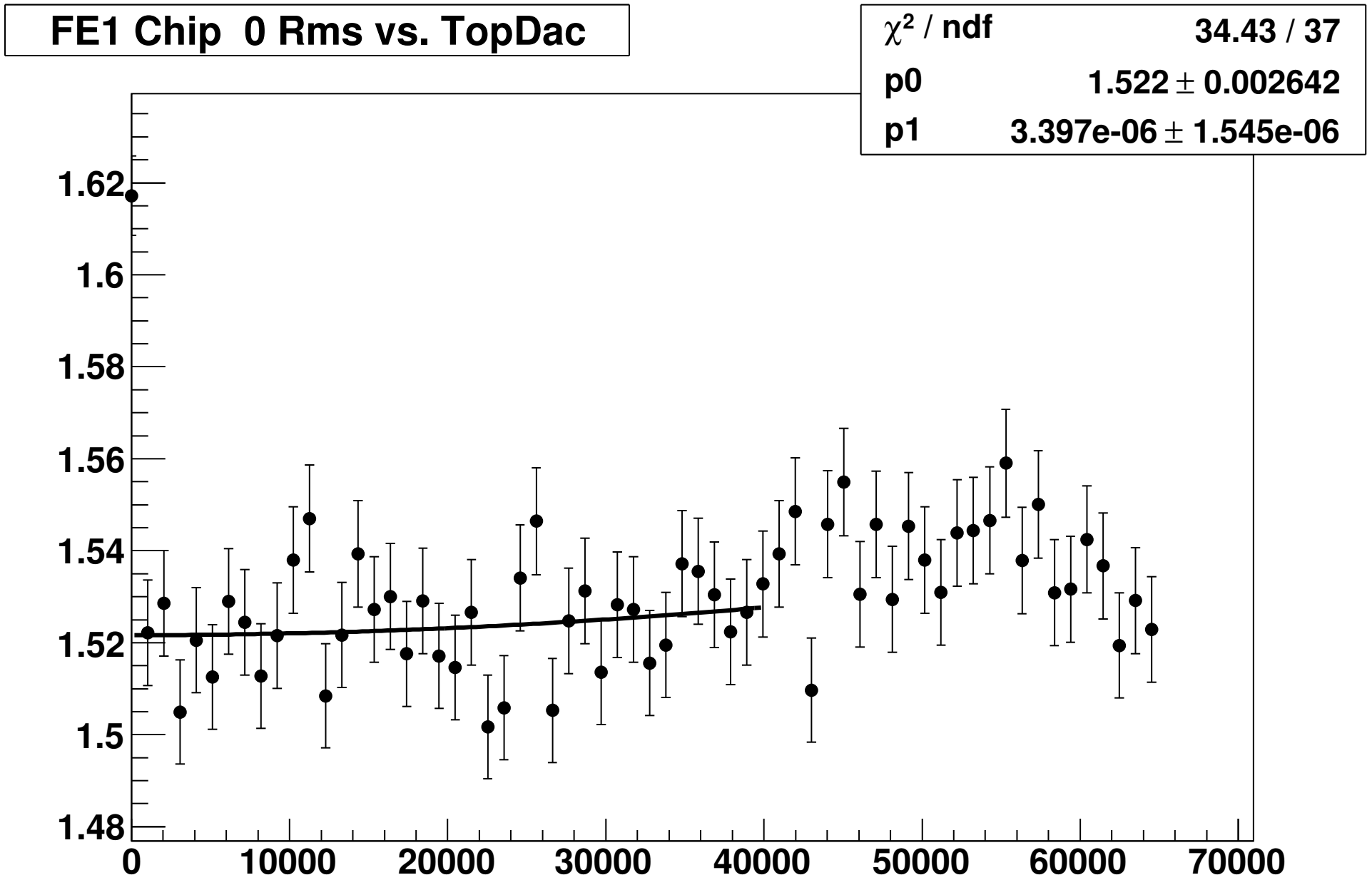
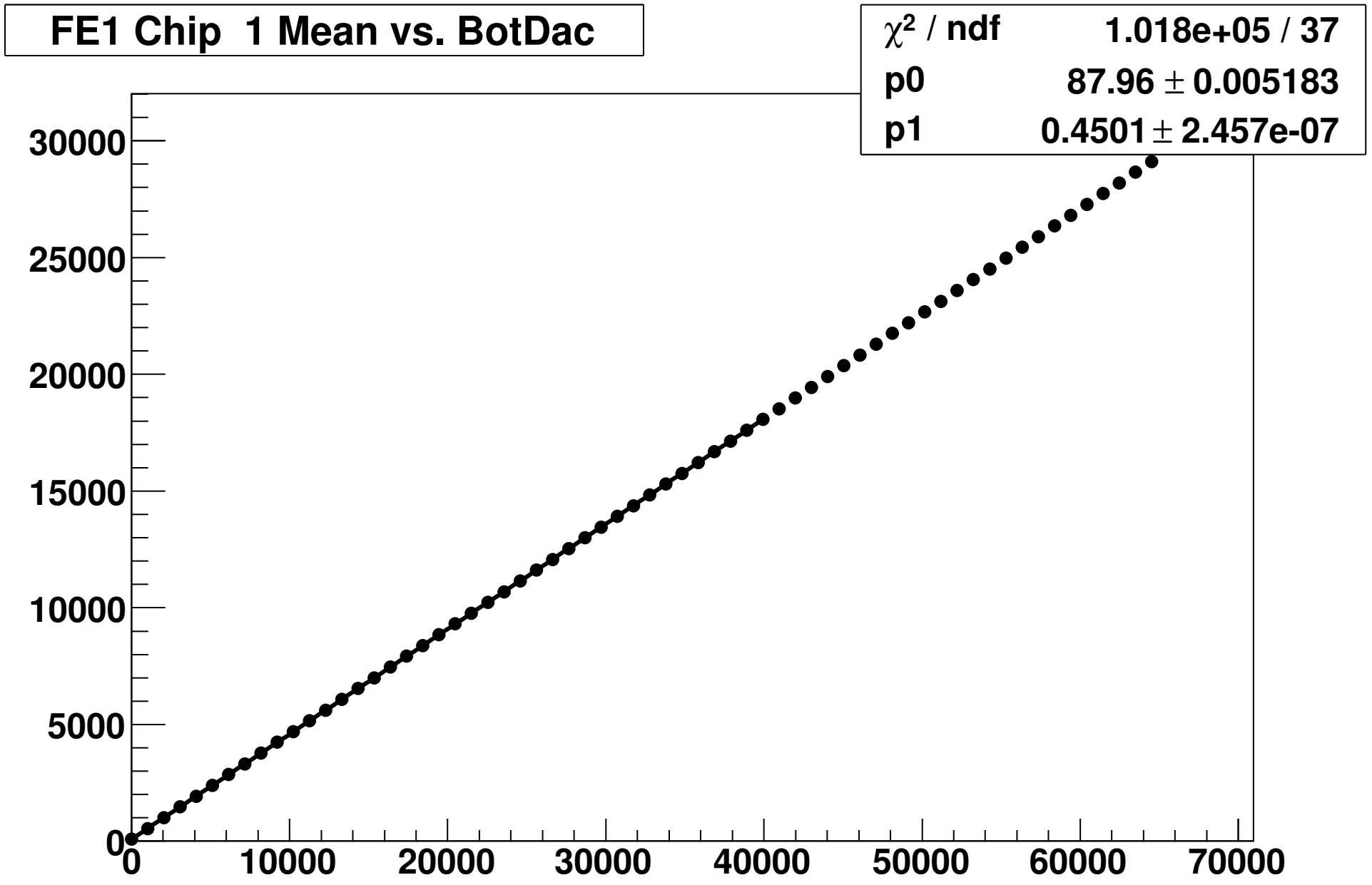
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 554.9 / 37
p0 1.388 ± 0.002877
p1 3.709e-05 ± 2.022e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 277.9 / 37
p0 89.91 ± 0.005274
p1 -6.252e-06 ± 2.247e-07
90
89.9
89.8
89.7
89.6
89.5
89.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 34.43 / 37
p0 1.522 ± 0.002642
p1 3.397e-06 ± 1.545e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 1.018e+05 / 37
p0 87.96 ± 0.005183
p1 0.4501 ± 2.457e-07
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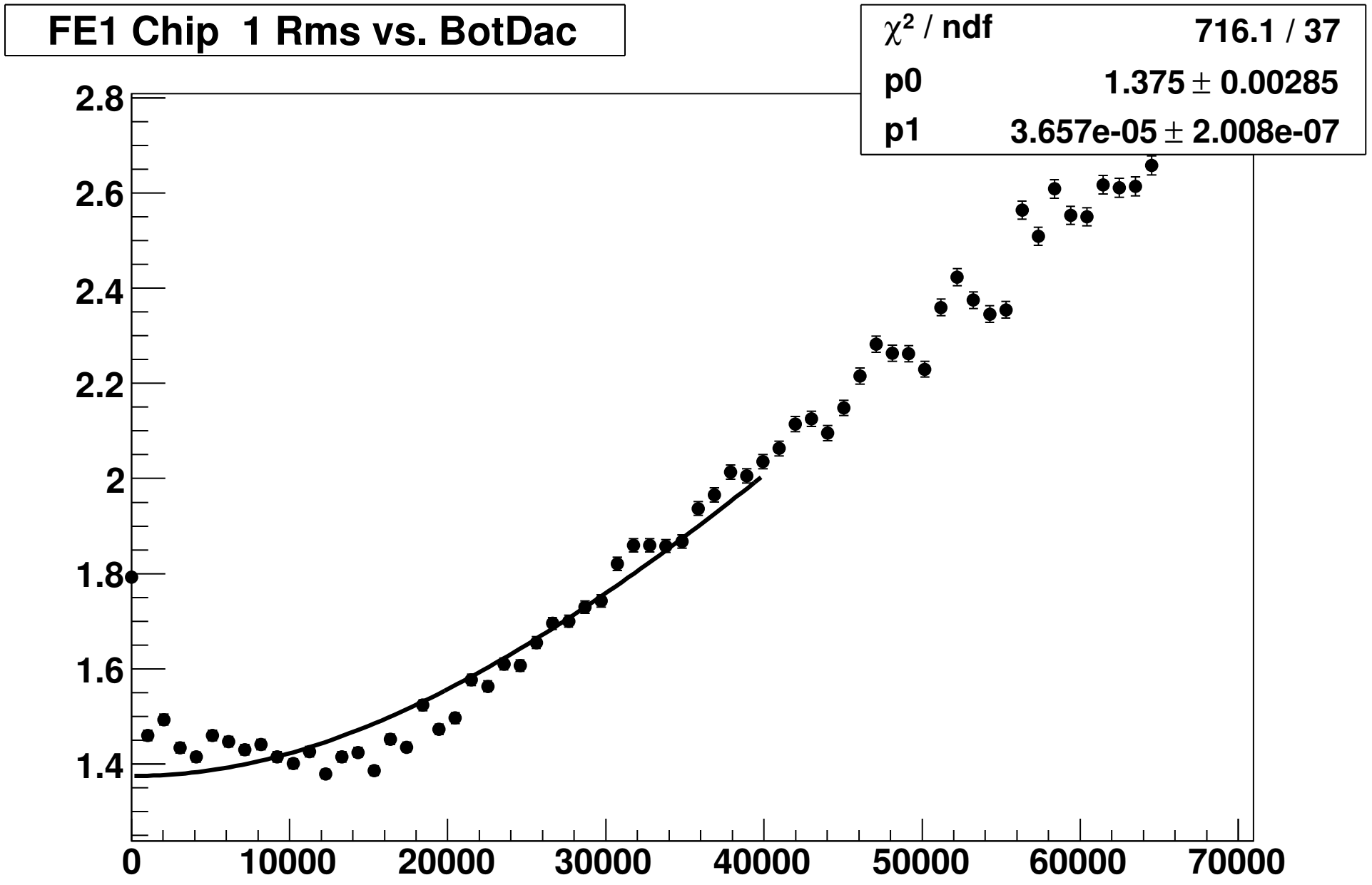
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 716.1 / 37
p0 1.375 ± 0.00285
p1 3.657e-05 ± 2.008e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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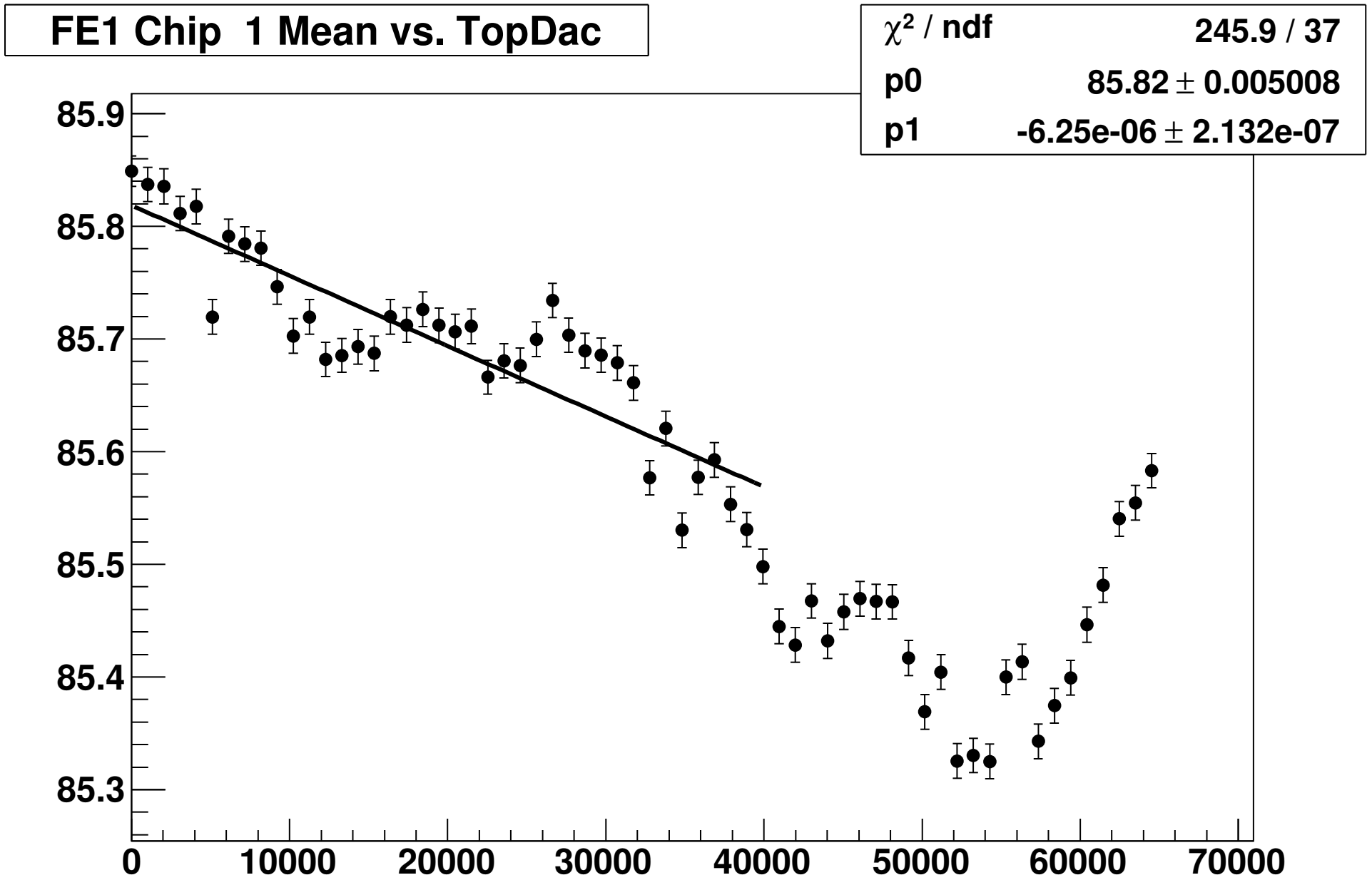
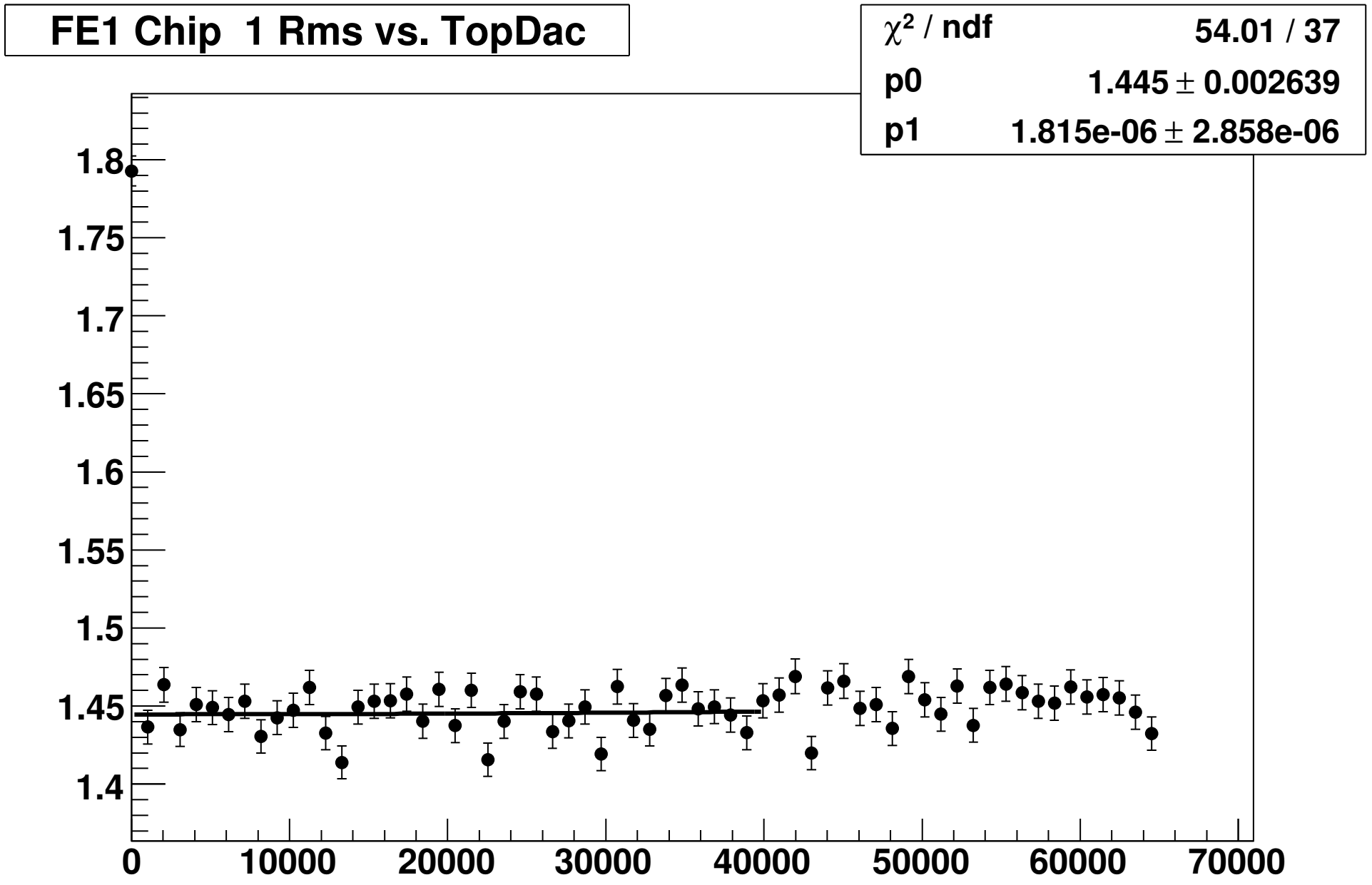
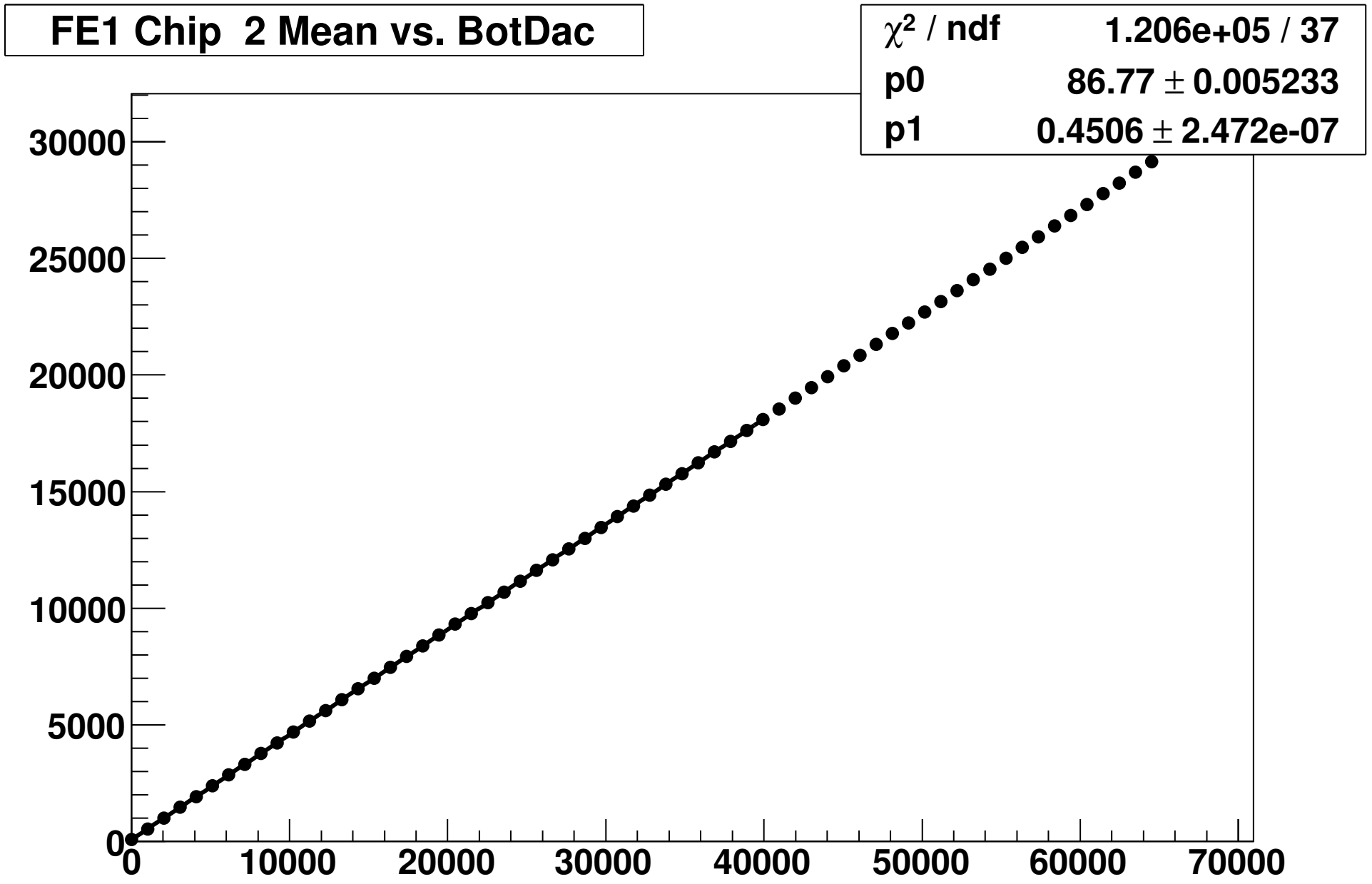
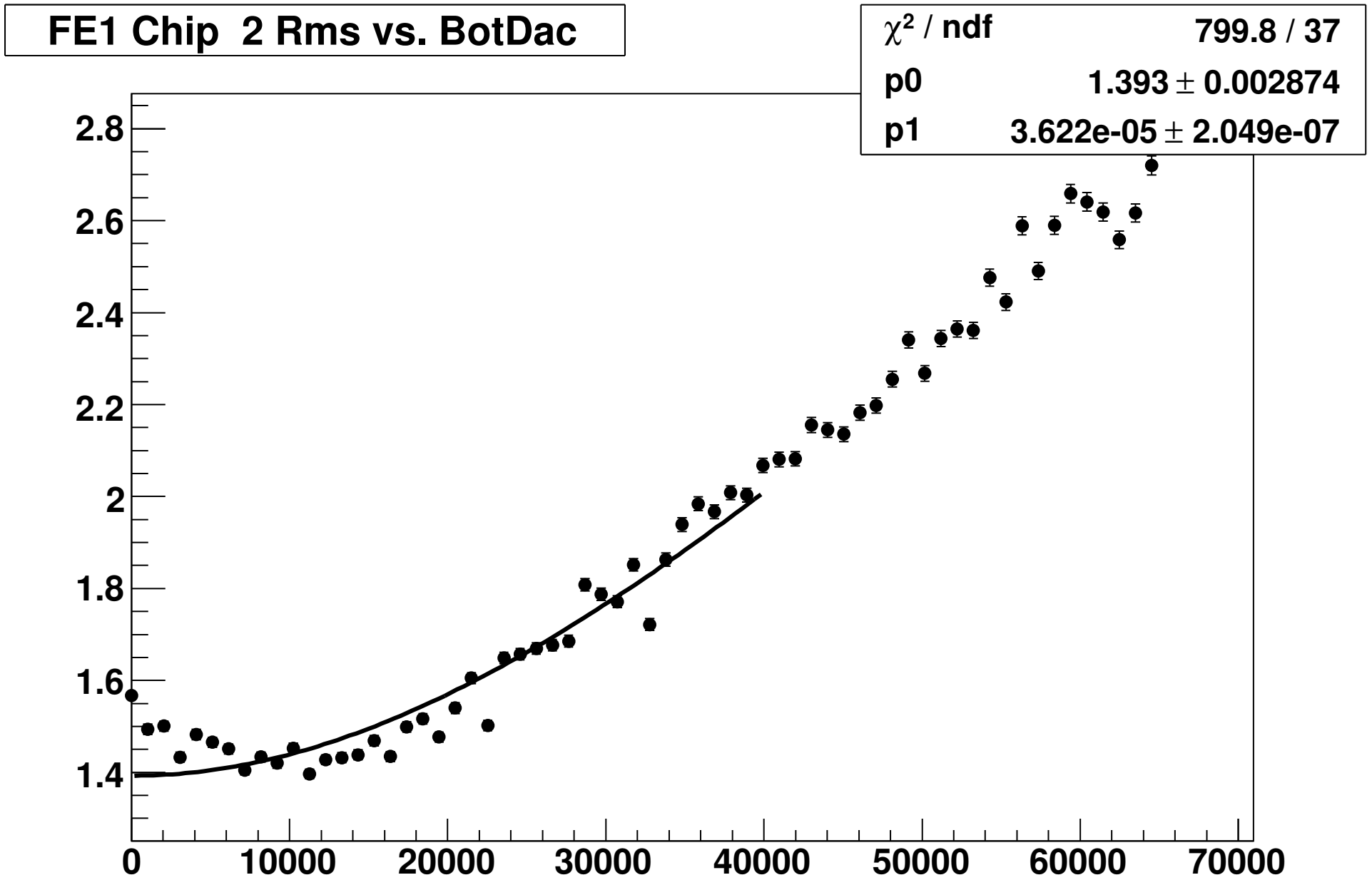
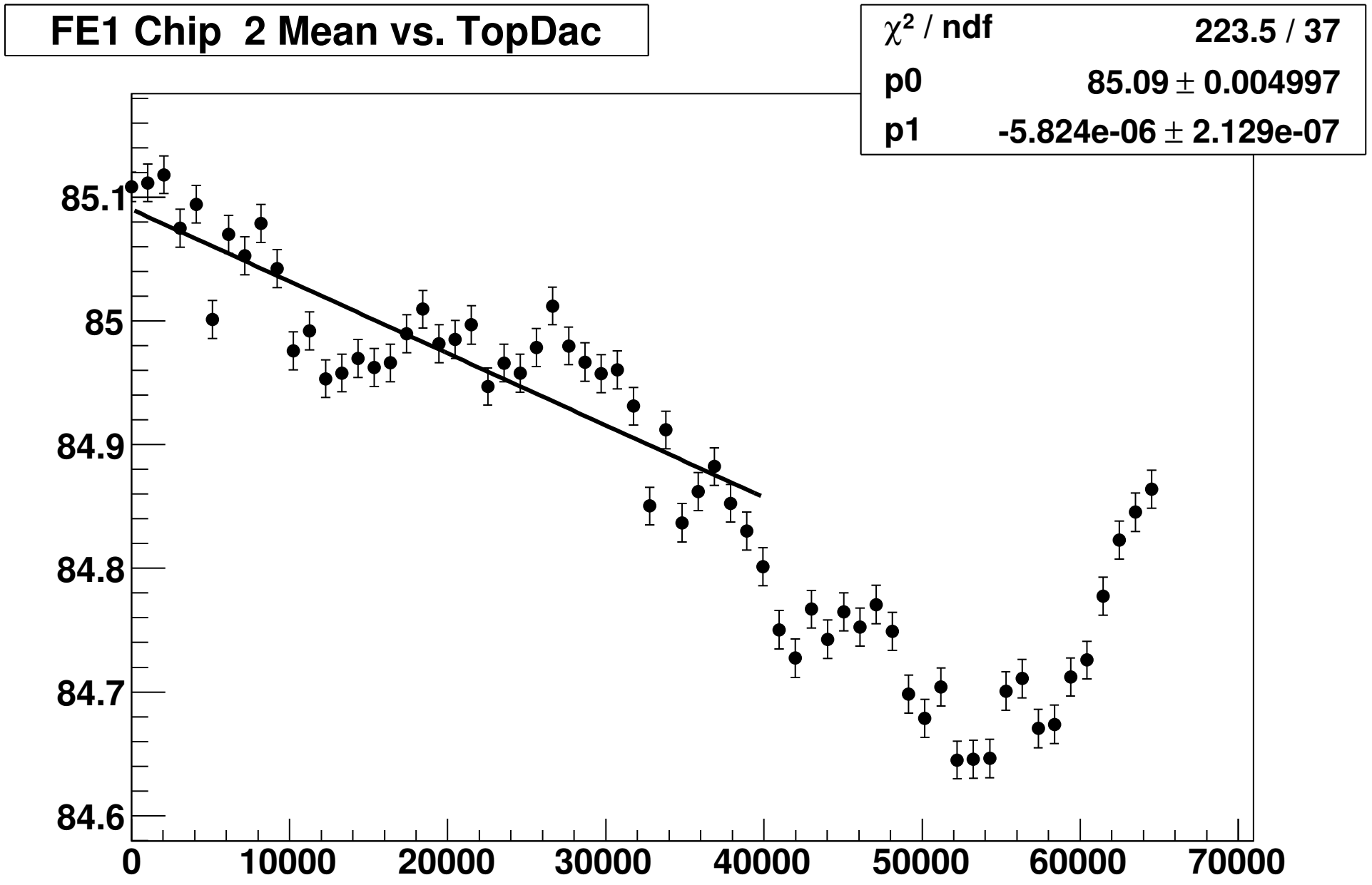
60000
70000

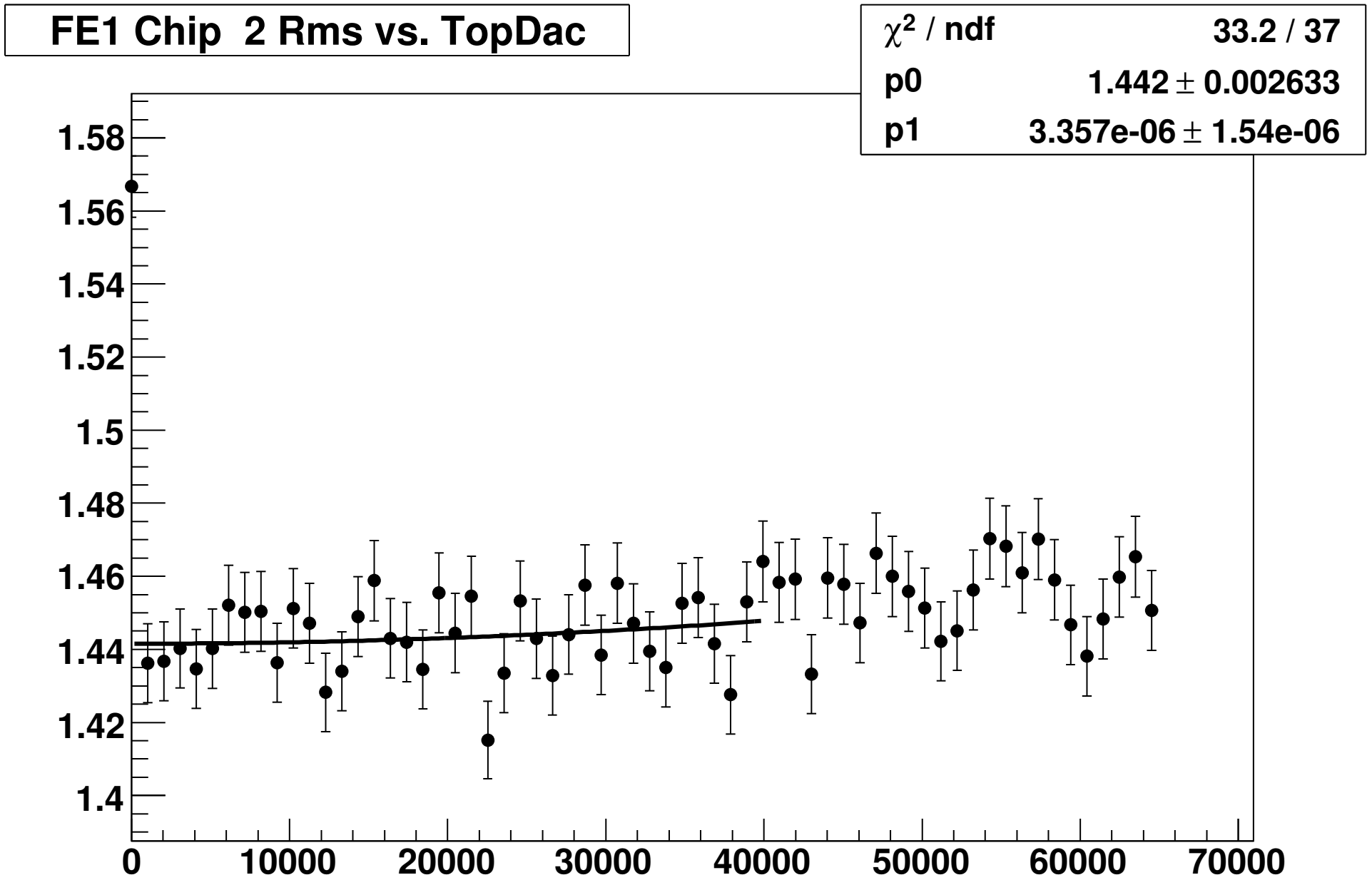

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 245.9 / 37
p0 85.82 ± 0.005008
p1 -6.25e-06 ± 2.132e-07
85.9
85.8
85.7
85.6
85.5
85.4
85.3
0
10000
20000
30000
40000
50000
60000
70000

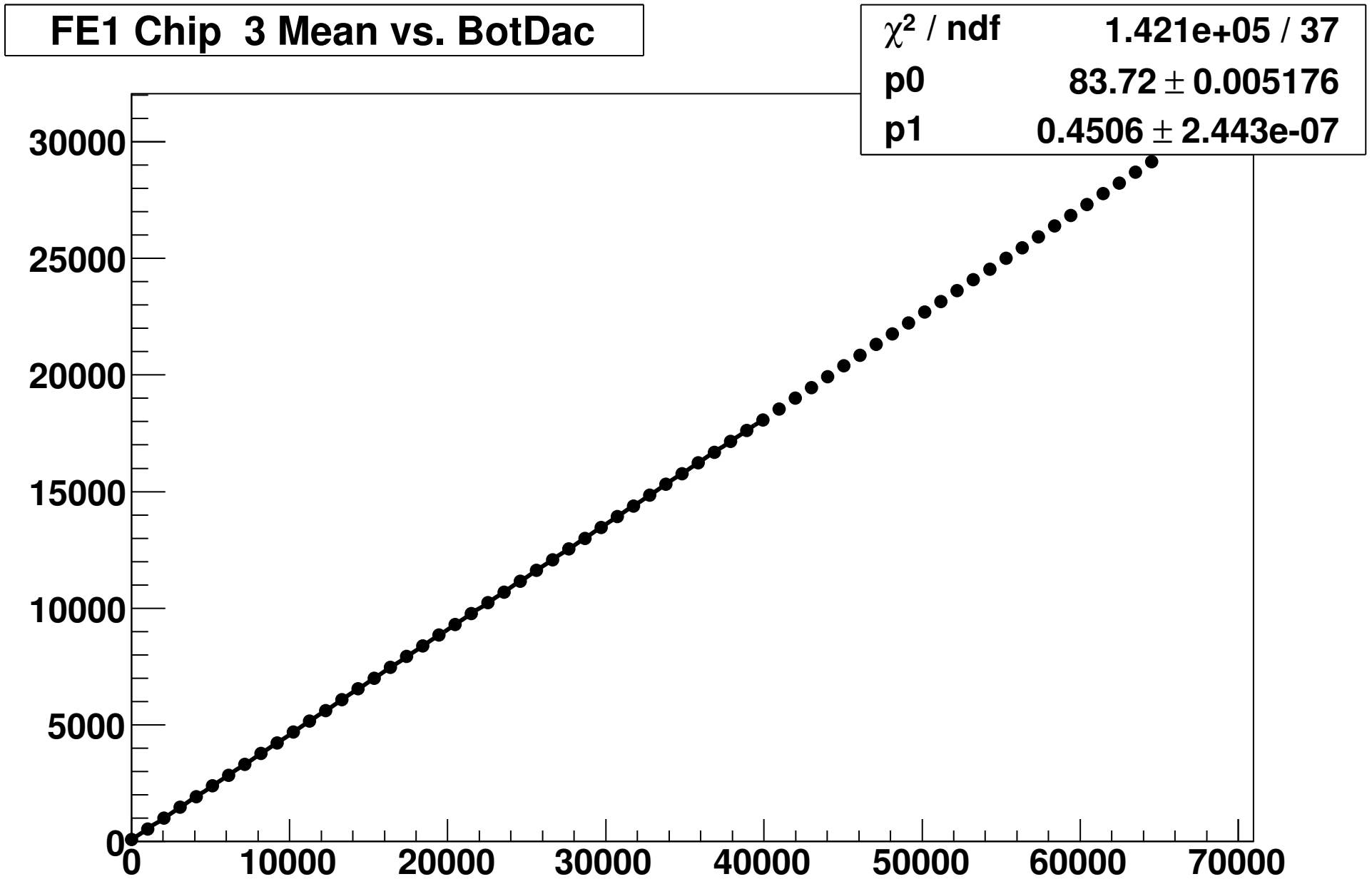

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 54.01 / 37
p0 1.445 ± 0.002639
p1 1.815e-06 ± 2.858e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

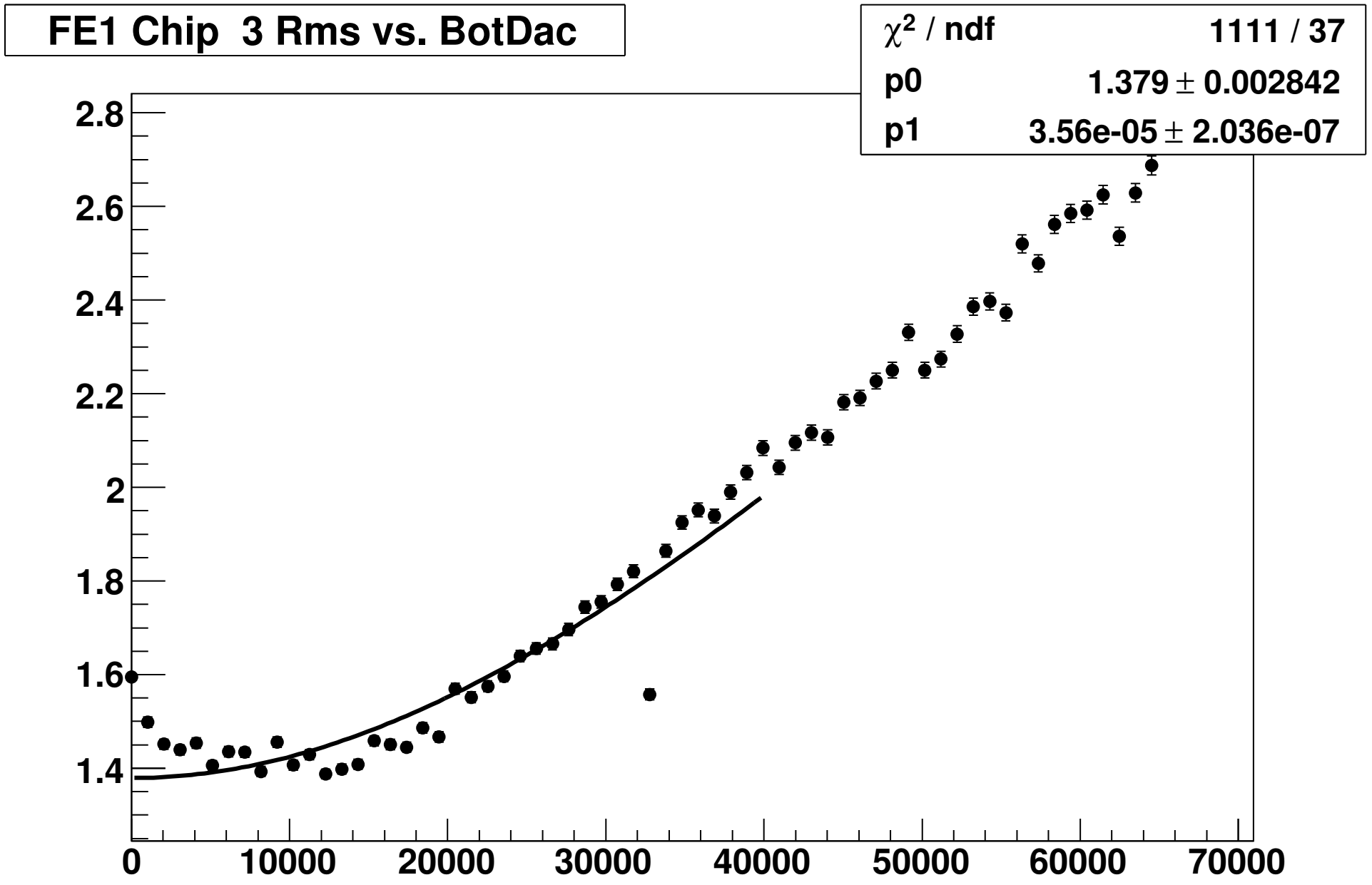

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.206e+05 / 37
p0 86.77 ± 0.005233
p1 0.4506 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

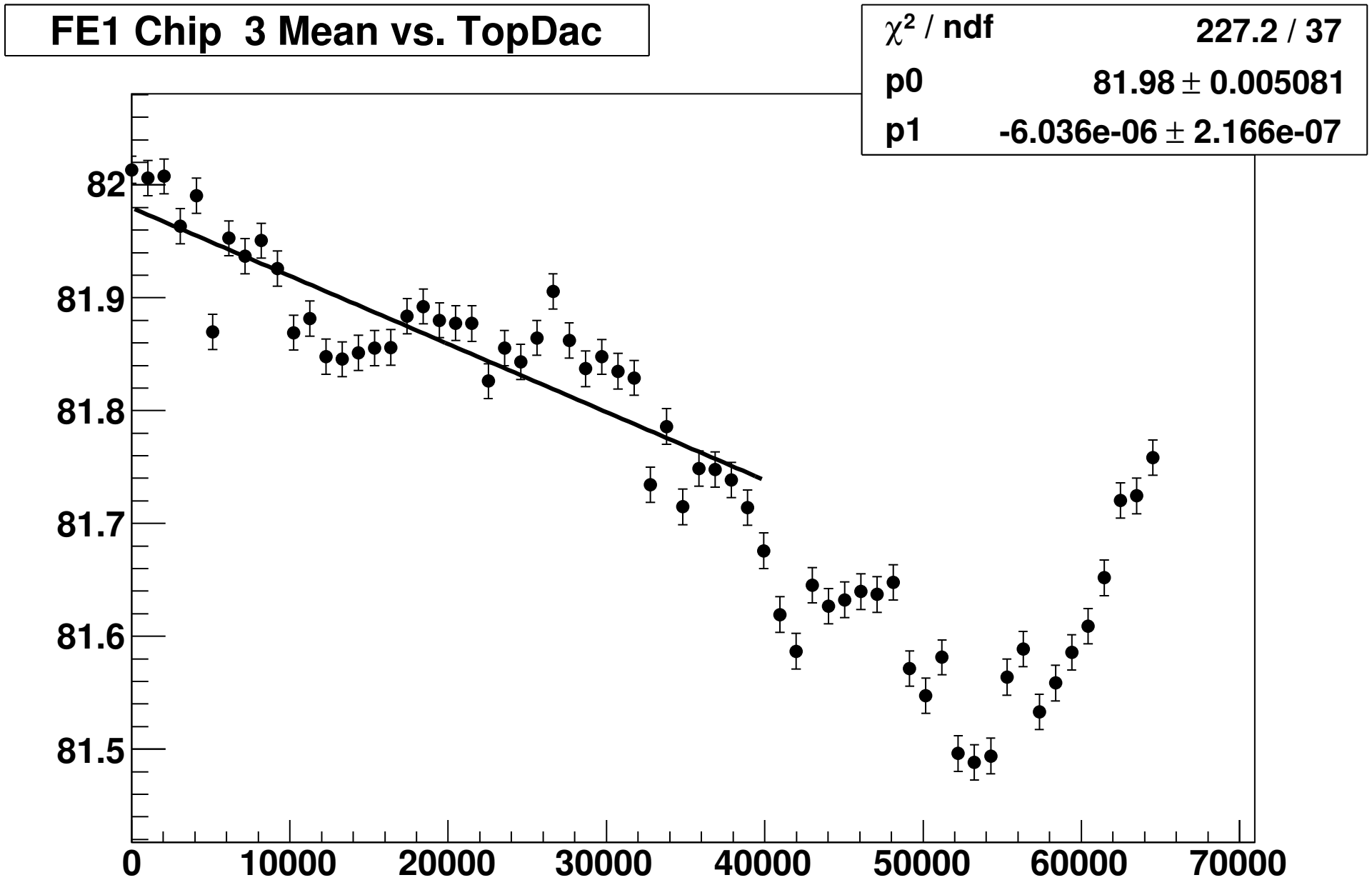

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 799.8 / 37
p0 1.393 ± 0.002874
p1 3.622e-05 ± 2.049e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

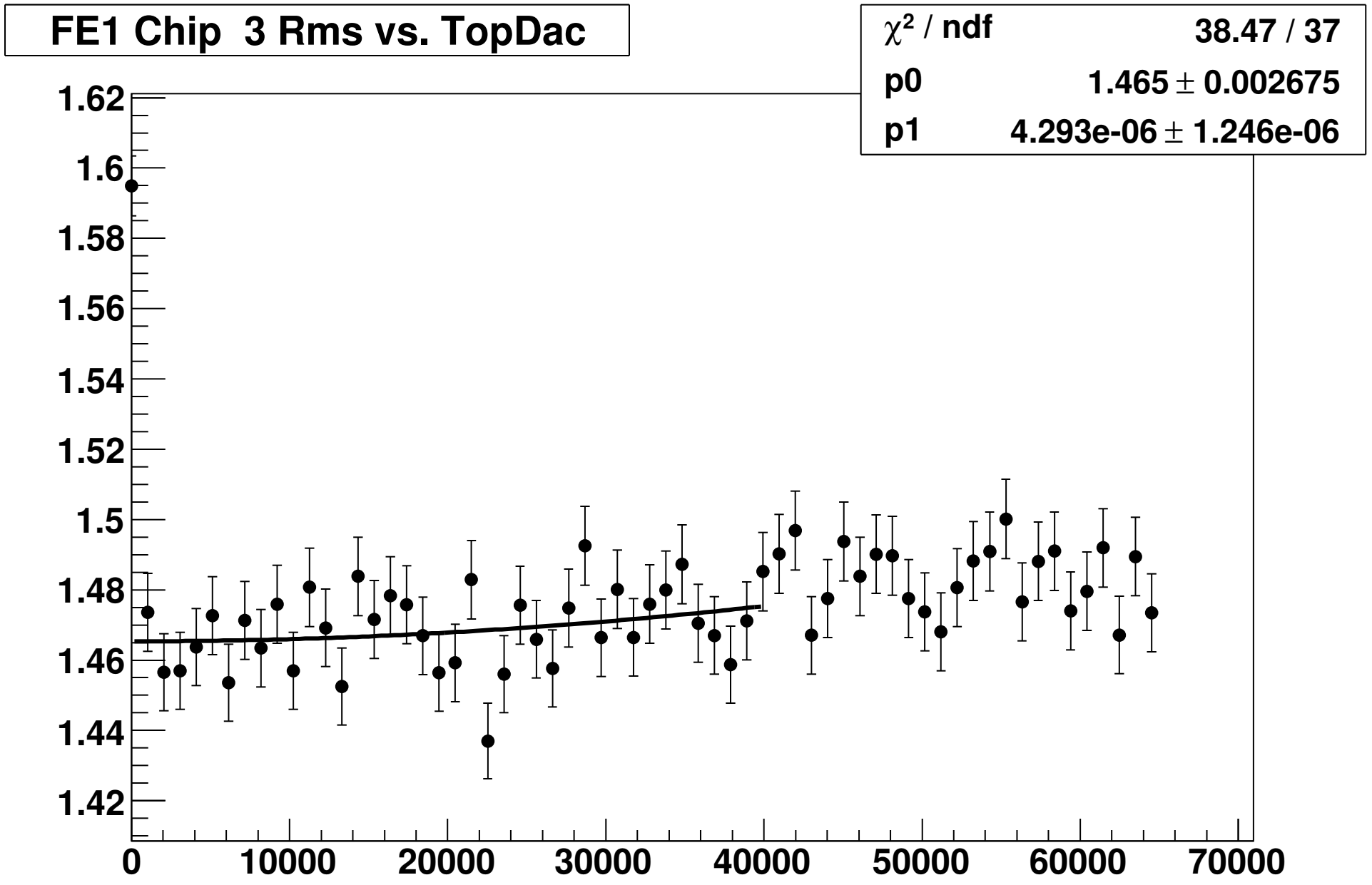

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 223.5 / 37
p0 85.09 ± 0.004997
p1 -5.824e-06 ± 2.129e-07
85.1
85
84.9
84.8
84.7
84.6
0
10000
20000
30000
40000
50000
60000
70000

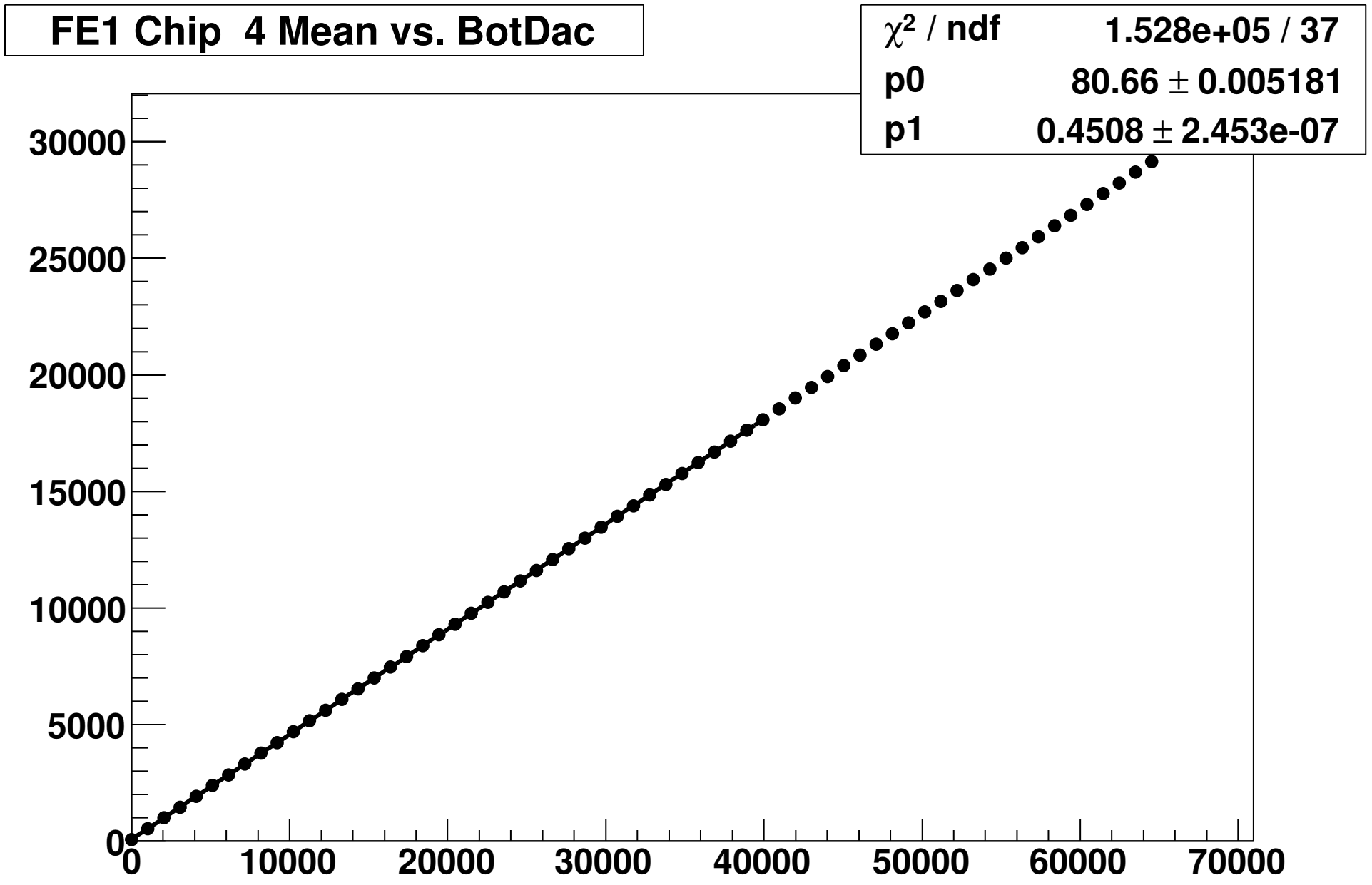

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 33.2 / 37
p0 1.442 ± 0.002633
p1 3.357e-06 ± 1.54e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

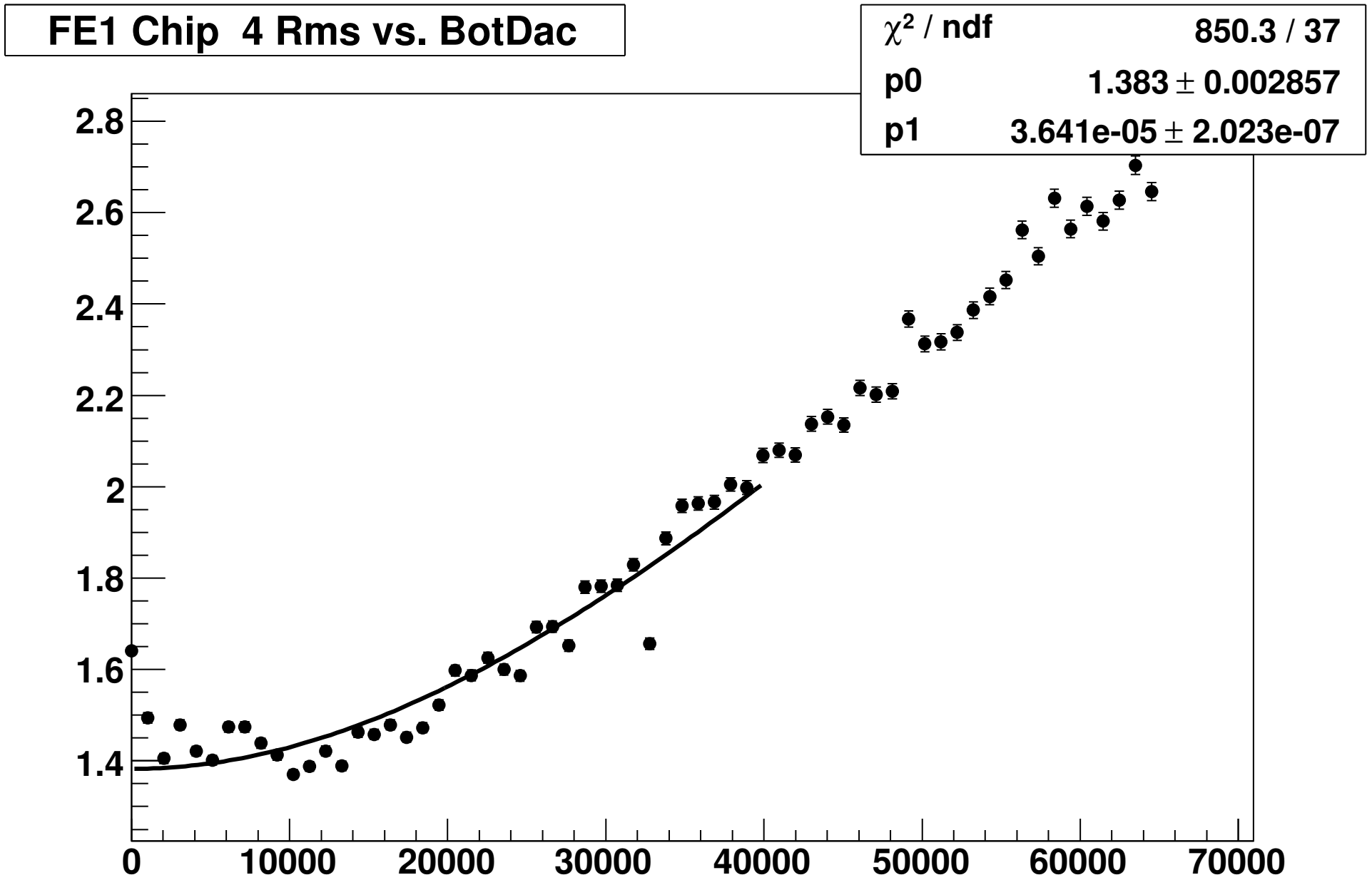

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 1.421e+05 / 37
p0 83.72 ± 0.005176
p1 0.4506 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 1111 / 37
p0 1.379 ± 0.002842
p1 3.56e-05 ± 2.036e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 227.2 / 37
p0 81.98 ± 0.005081
p1 -6.036e-06 ± 2.166e-07
82
81.9
81.8
81.7
81.6
81.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 38.47 / 37
p0 1.465 ± 0.002675
p1 4.293e-06 ± 1.246e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.528e+05 / 37
p0 80.66 ± 0.005181
p1 0.4508 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 850.3 / 37
p0 1.383 ± 0.002857
p1 3.641e-05 ± 2.023e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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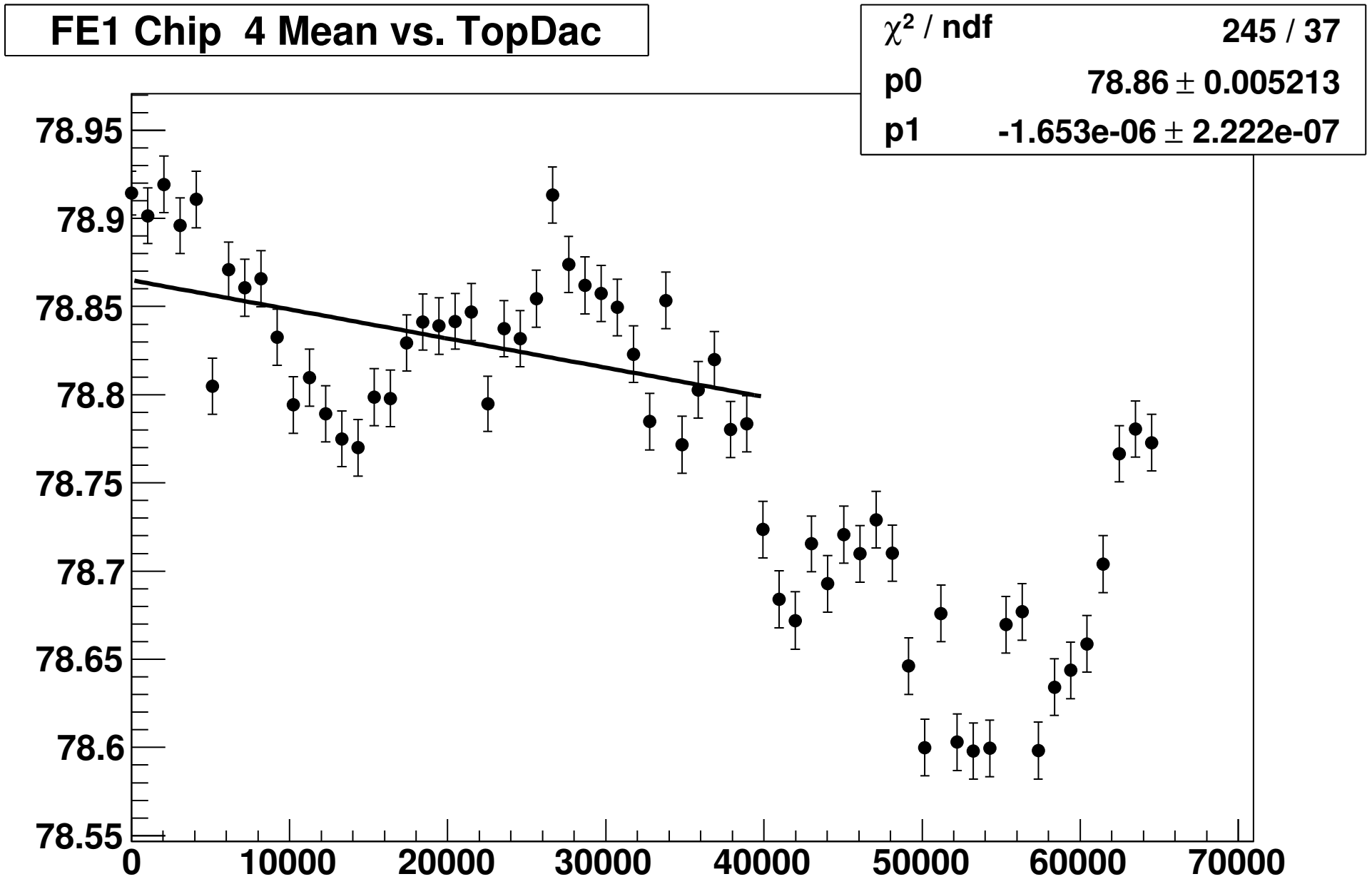
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 245 / 37
p0 78.86 ± 0.005213
p1 -1.653e-06 ± 2.222e-07
78.95
78.9
78.85
78.8
78.75
78.7
78.65
78.6
78.55
0
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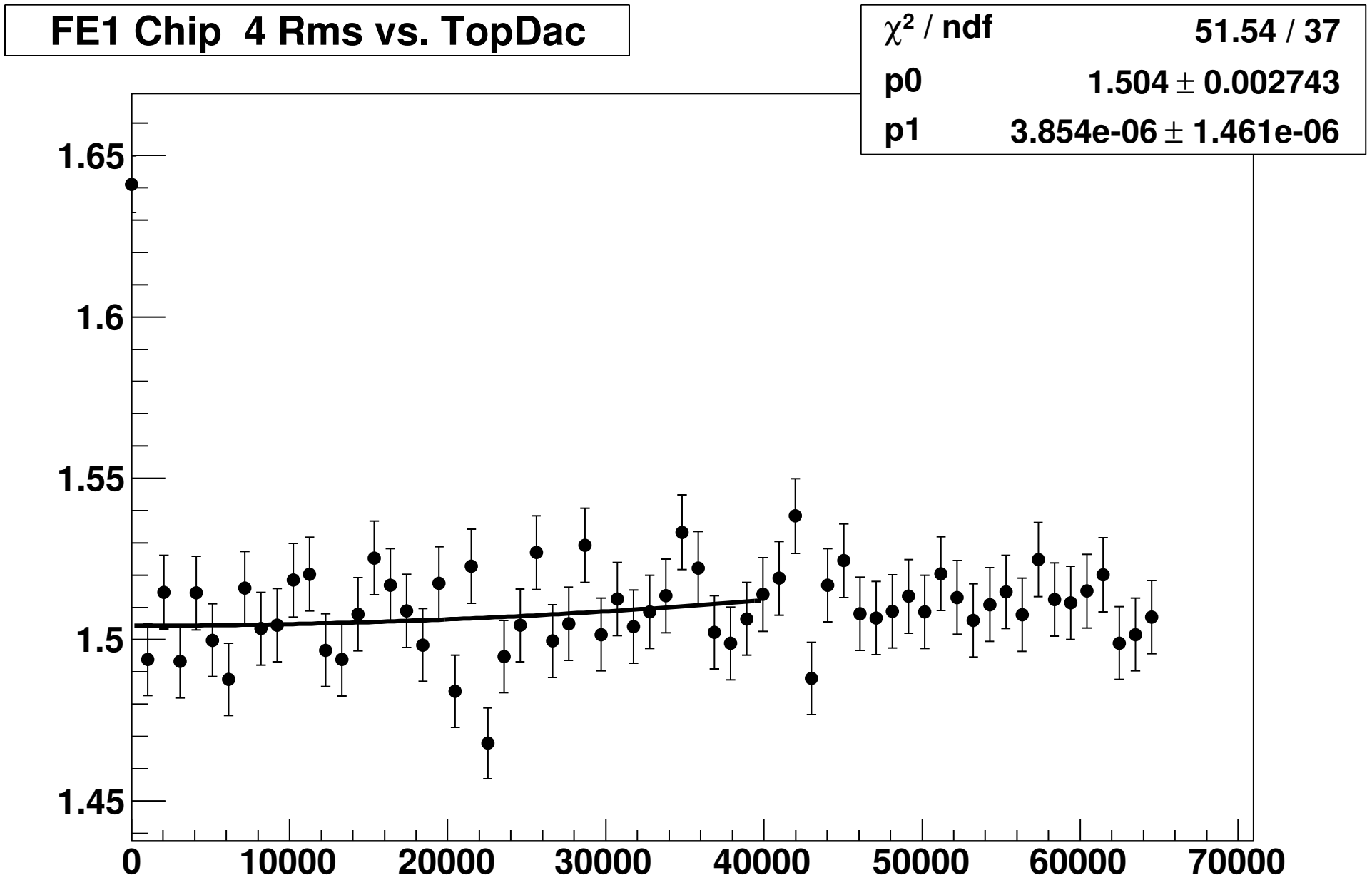
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 51.54 / 37
p0 1.504 ± 0.002743
p1 3.854e-06 ± 1.461e-06
1.65
1.6
1.55
1.5
1.45
0
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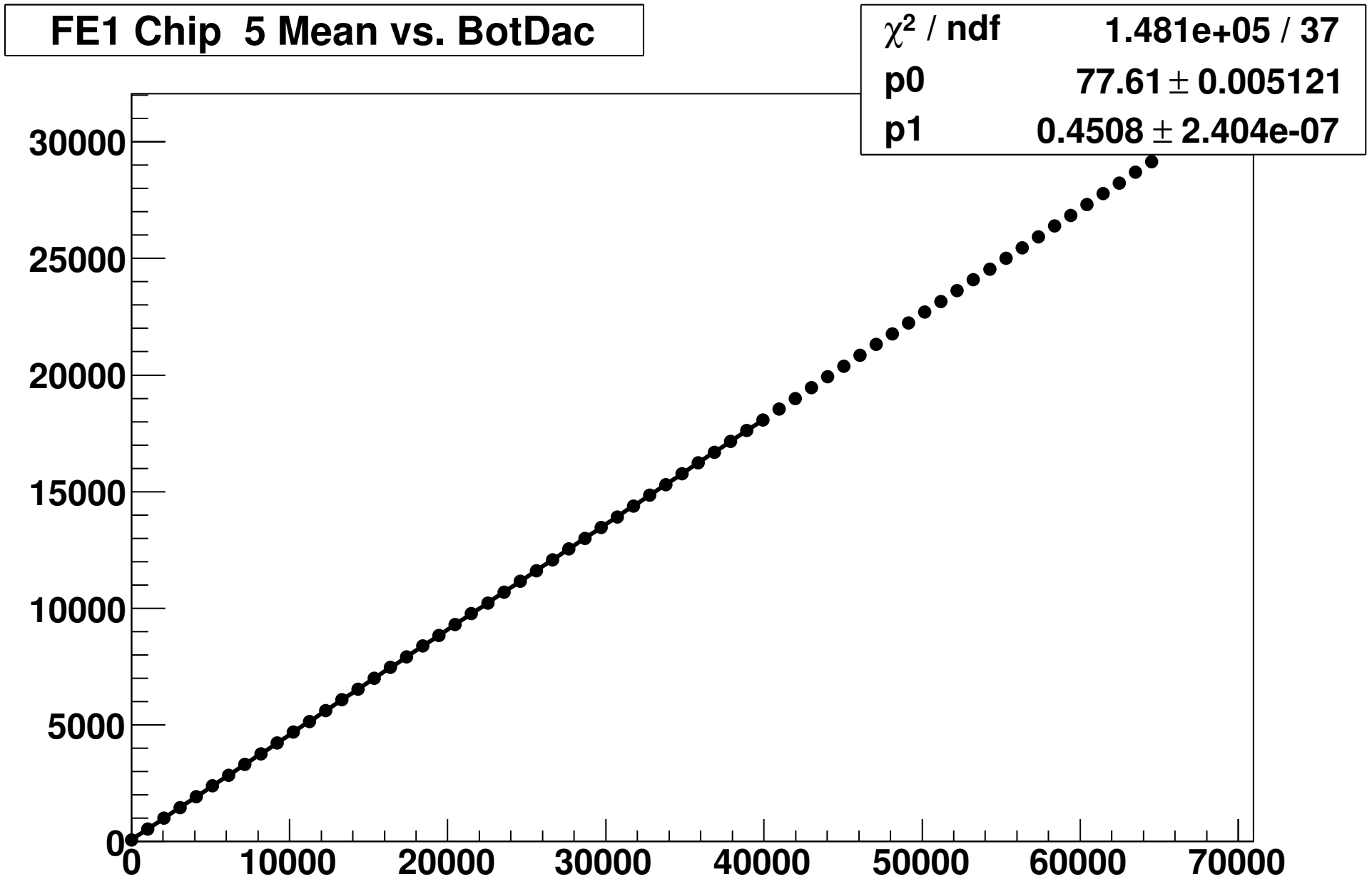
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 1.481e+05 / 37
p0 77.61 ± 0.005121
p1 0.4508 ± 2.404e-07
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20000
15000
10000
5000
0
0
10000
20000
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40000
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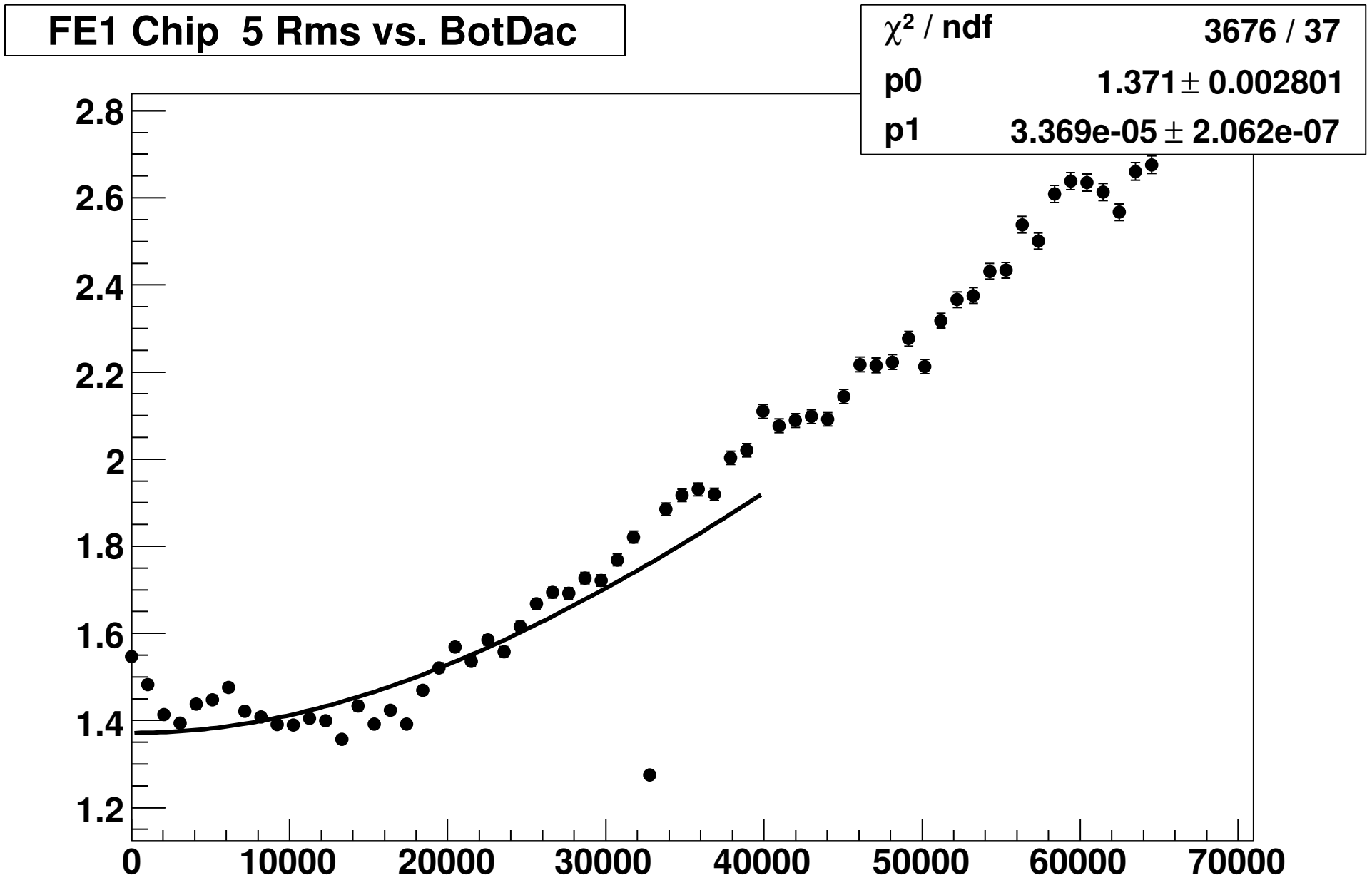
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 3676 / 37
p0 1.371 ± 0.002801
p1 3.369e-05 ± 2.062e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
1.2
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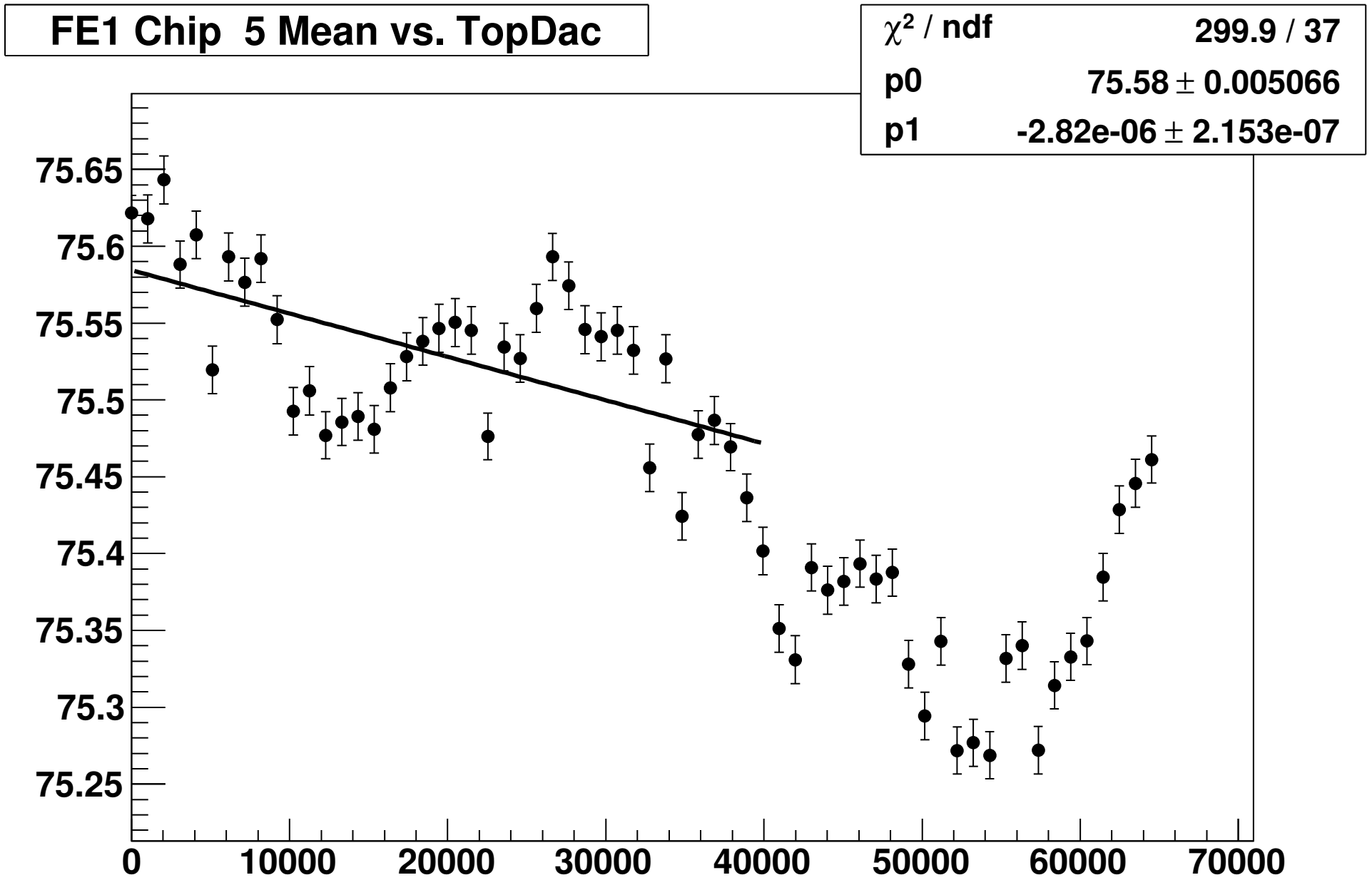
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 299.9 / 37
p0 75.58 ± 0.005066
p1 -2.82e-06 ± 2.153e-07
75.65
75.6
75.55
75.5
75.45
75.4
75.35
75.3
75.25
0
10000
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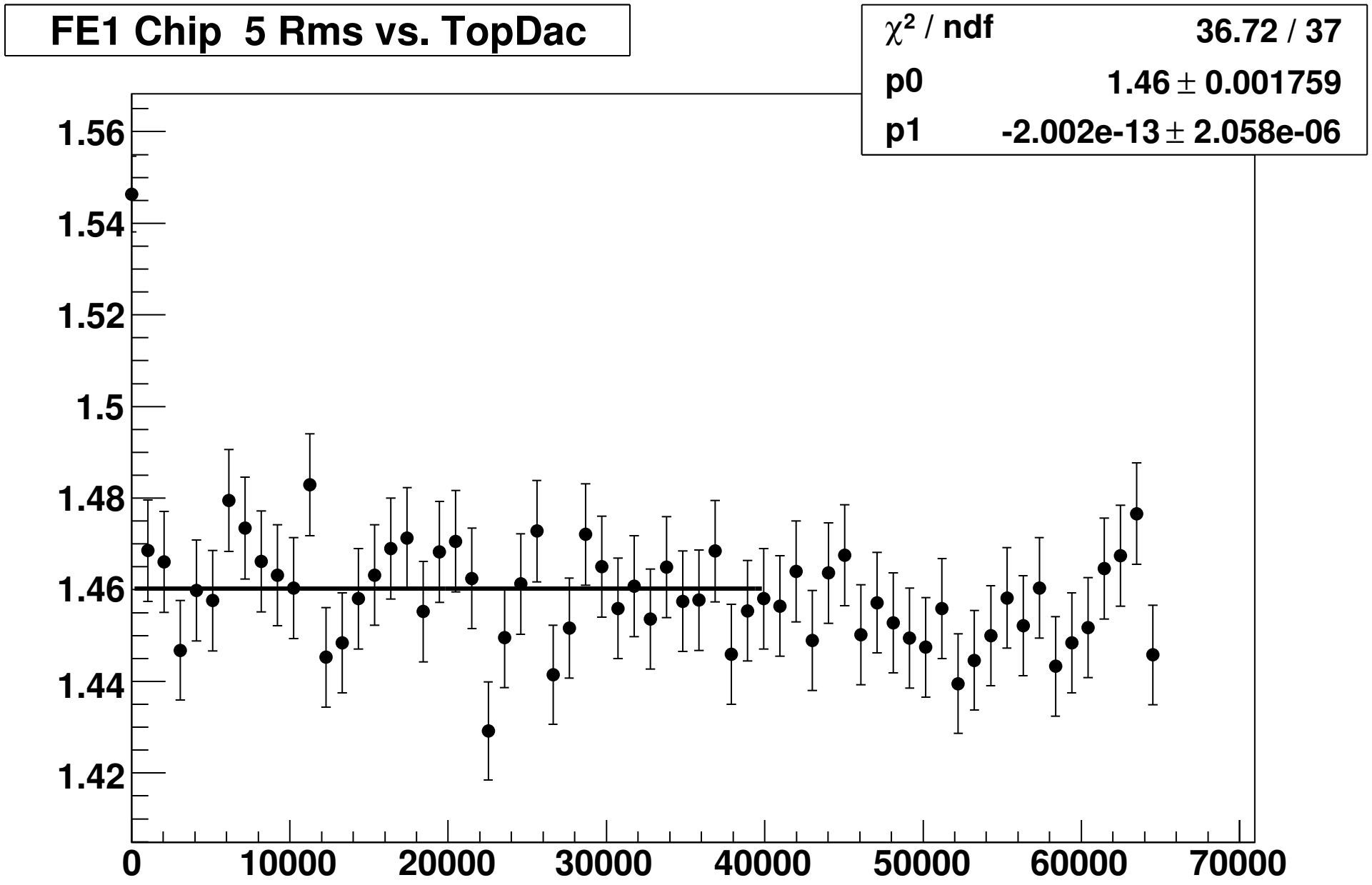
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 36.72 / 37
p0 1.46 ± 0.001759
p1 -2.002e-13 ± 2.058e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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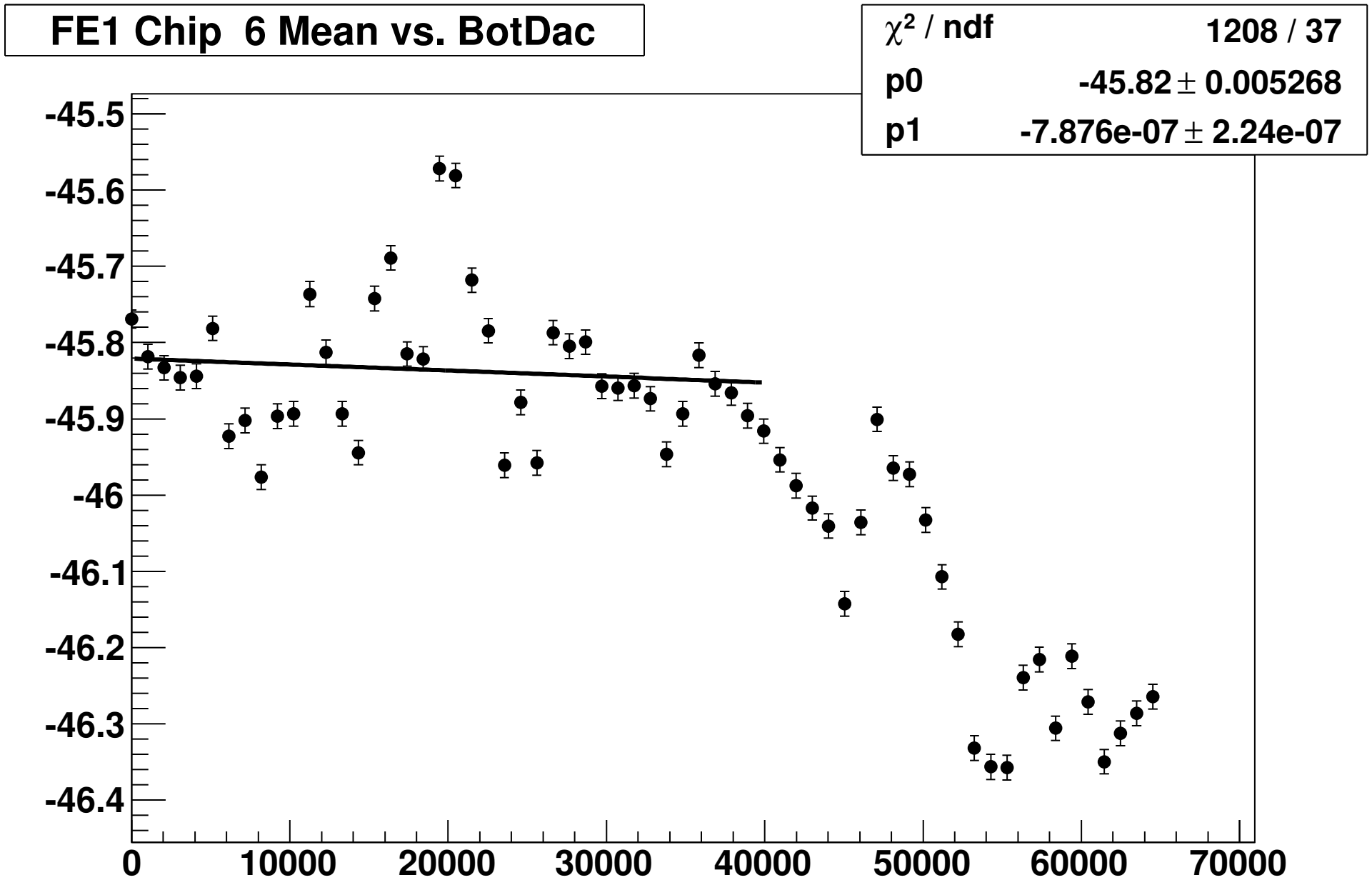
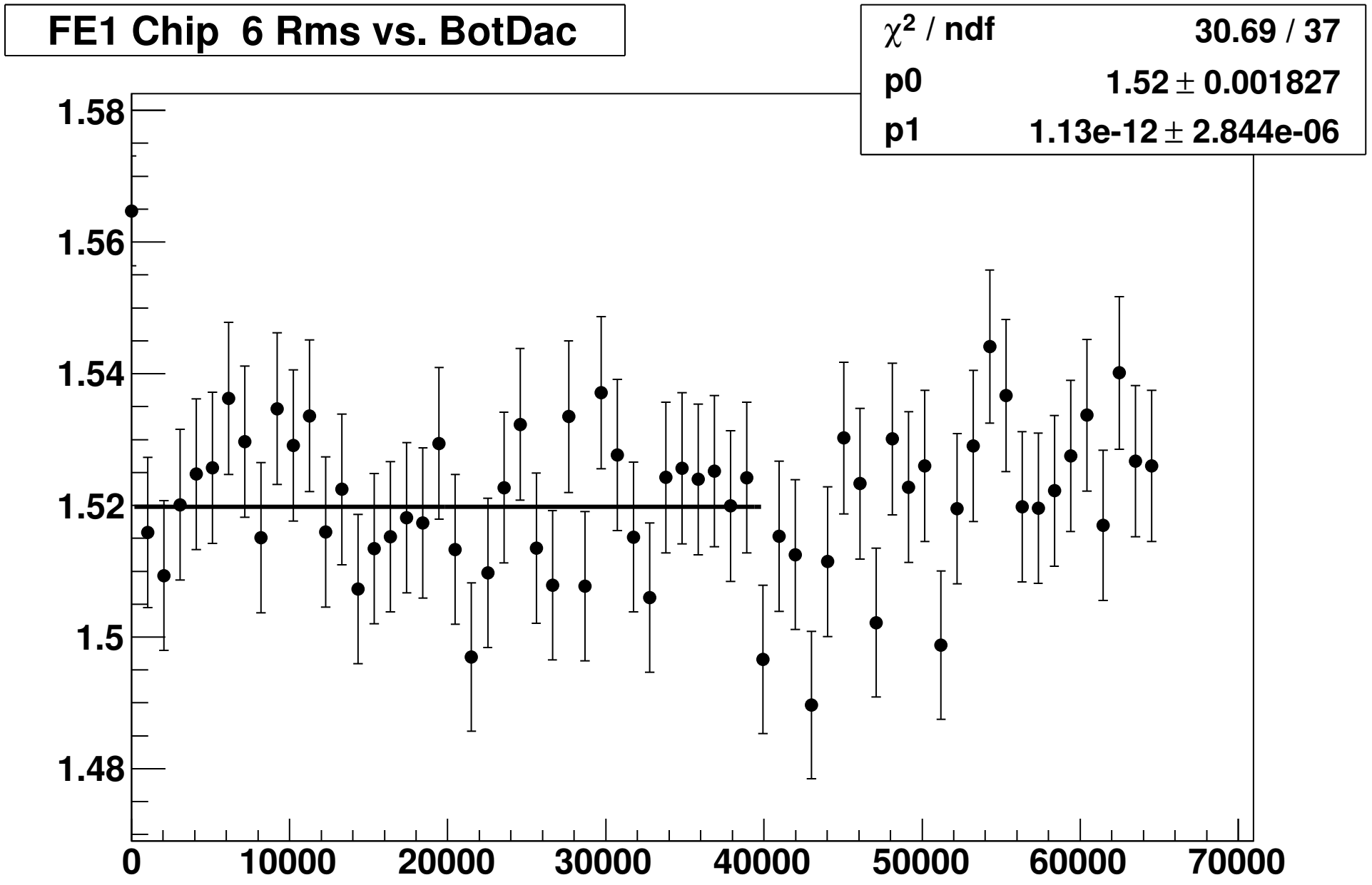
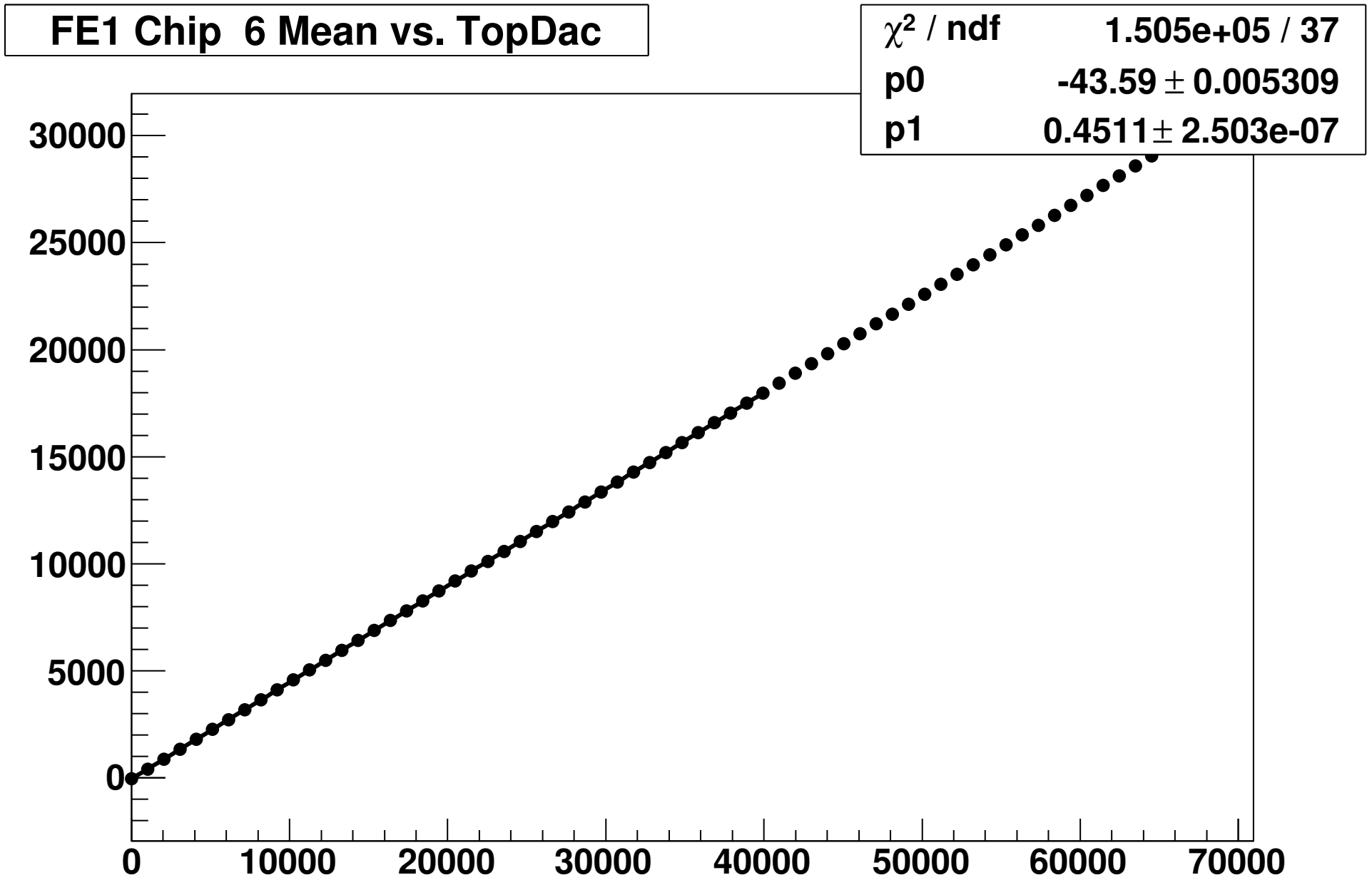

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 1208 / 37
p0 -45.82 ± 0.005268
p1 -7.876e-07 ± 2.24e-07
-45.5
-45.6
-45.7
-45.8
-45.9
-46
-46.1
-46.2
-46.3
-46.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 30.69 / 37
p0 1.52 ± 0.001827
p1 1.13e-12 ± 2.844e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.505e+05 / 37
p0 -43.59 ± 0.005309
p1 0.4511 ± 2.503e-07
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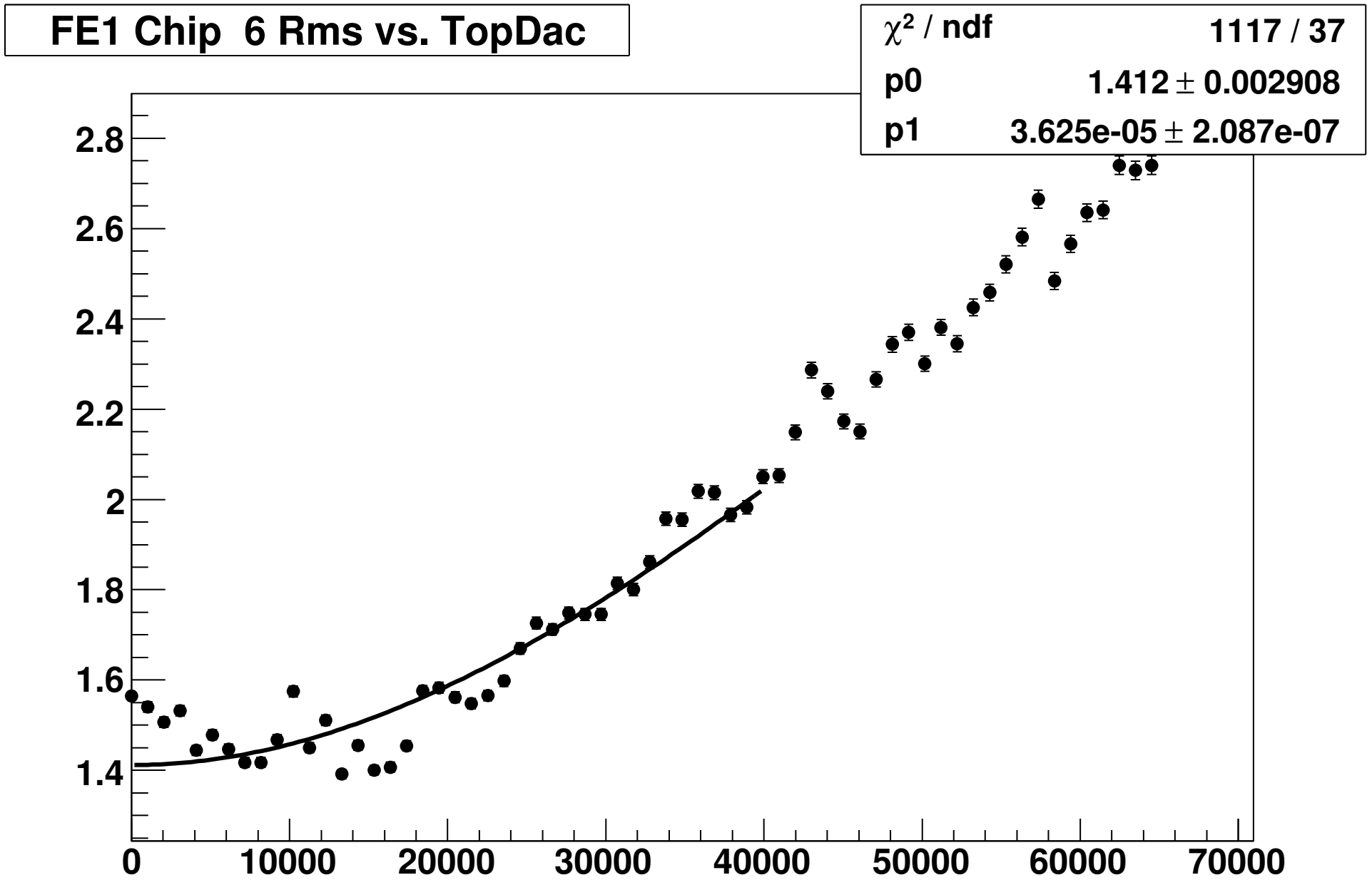
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 1117 / 37
p0 1.412 ± 0.002908
p1 3.625e-05 ± 2.087e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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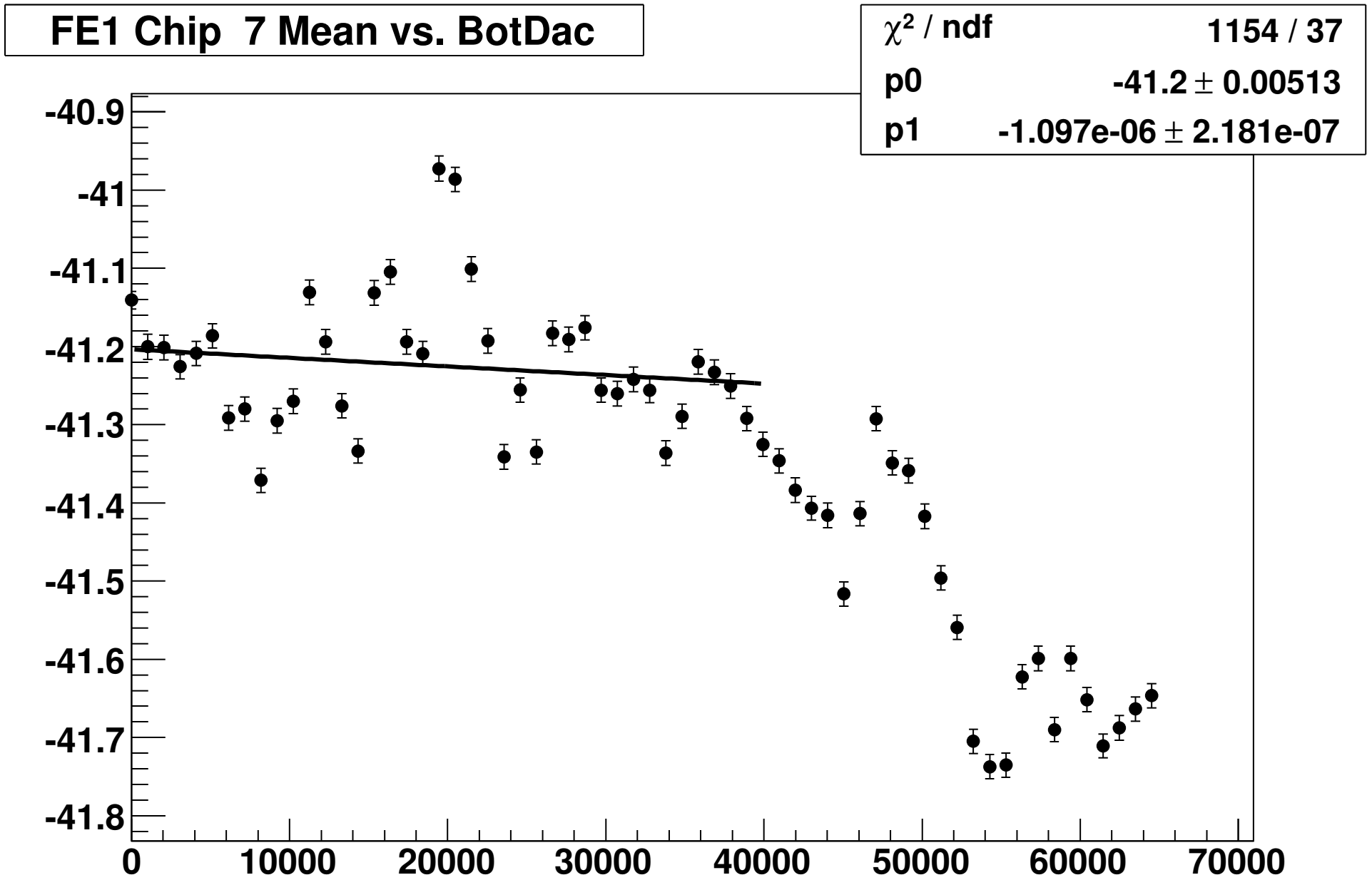
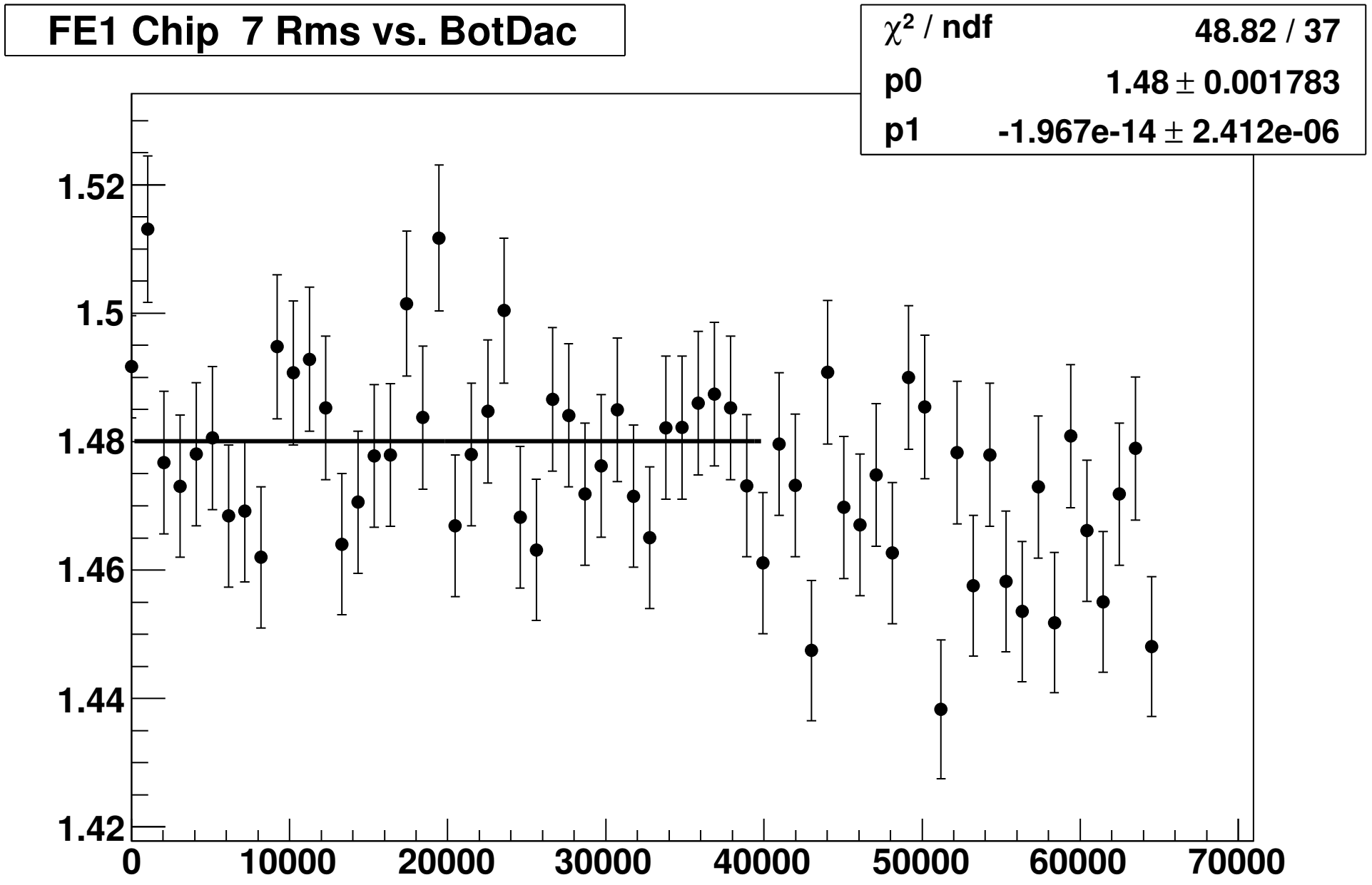
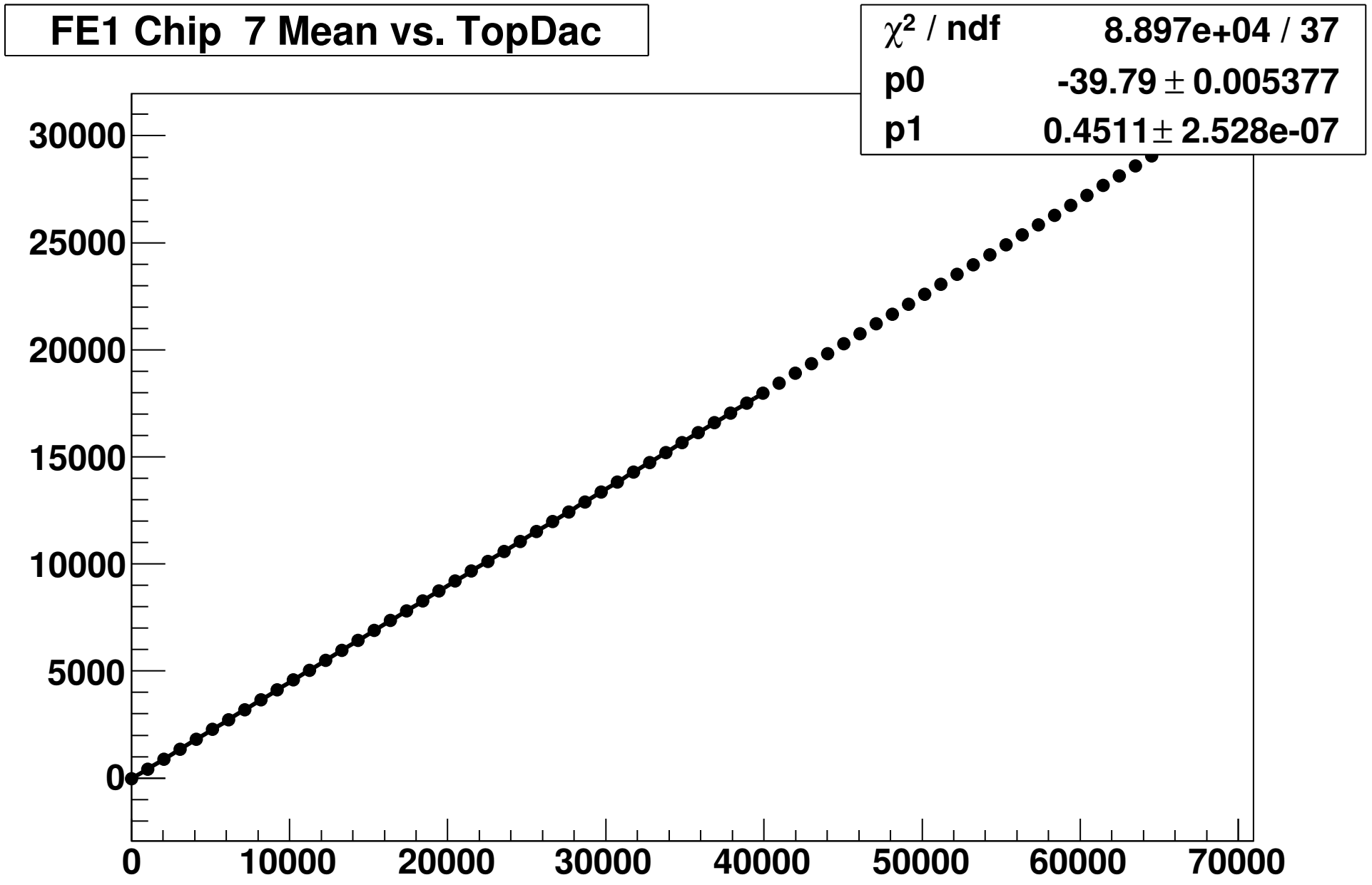
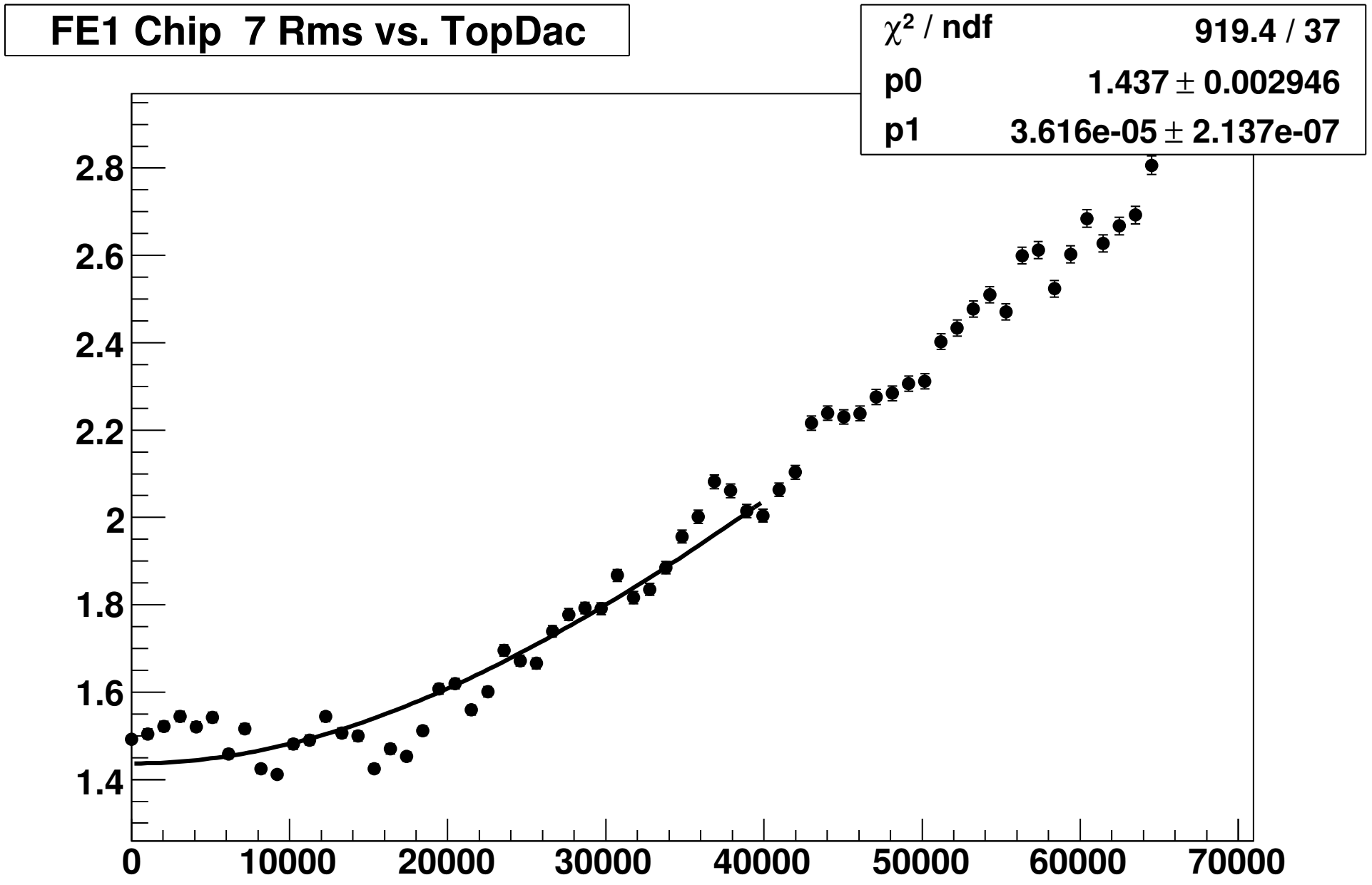

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1154 / 37
p0 -41.2 ± 0.00513
p1 -1.097e-06 ± 2.181e-07
-40.9
-41
-41.1
-41.2
-41.3
-41.4
-41.5
-41.6
-41.7
-41.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 48.82 / 37
p0 1.48 ± 0.001783
p1 -1.967e-14 ± 2.412e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 8.897e+04 / 37
p0 -39.79 ± 0.005377
p1 0.4511 ± 2.528e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 919.4 / 37
p0 1.437 ± 0.002946
p1 3.616e-05 ± 2.137e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
50000
60000
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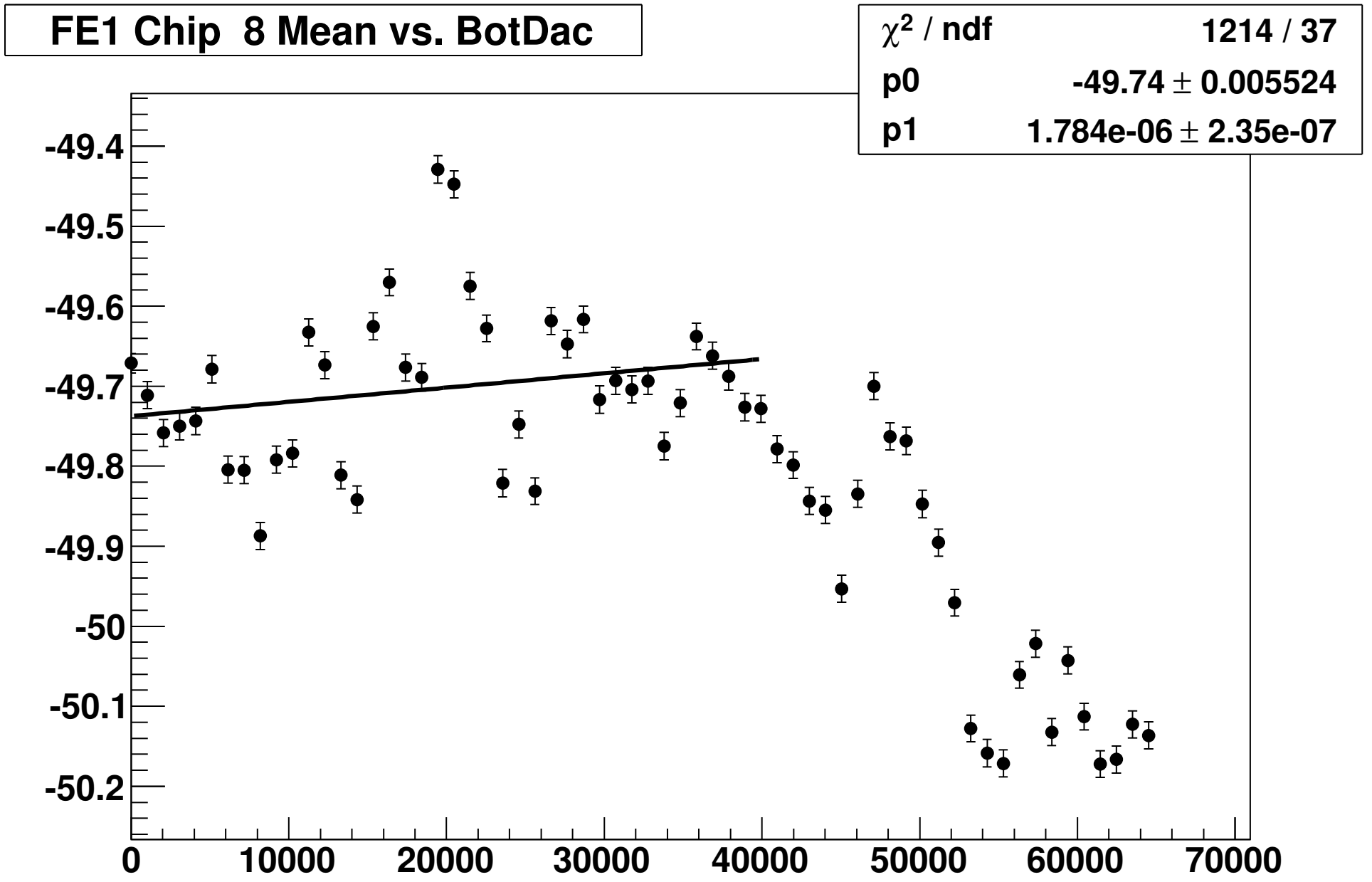
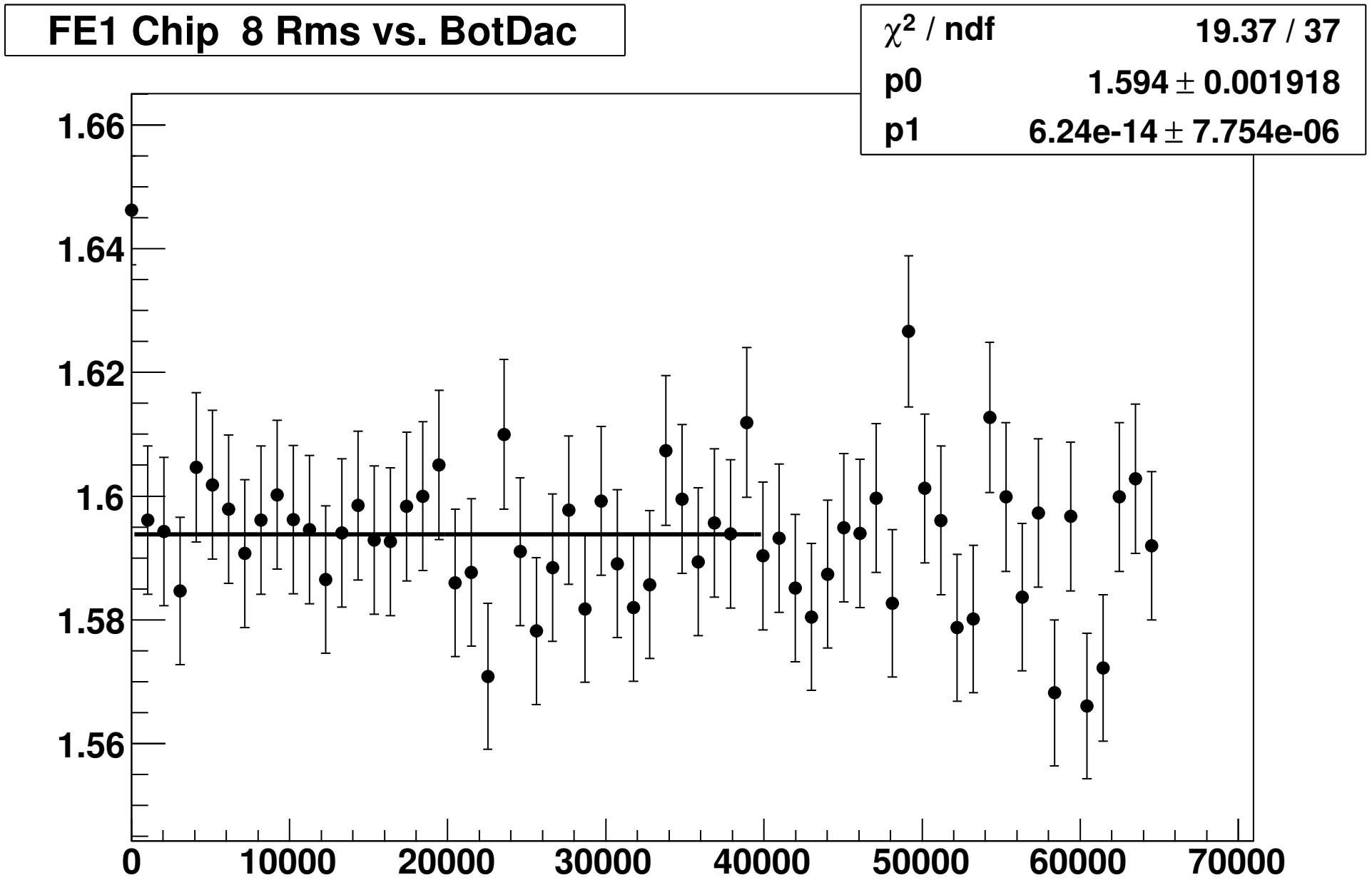
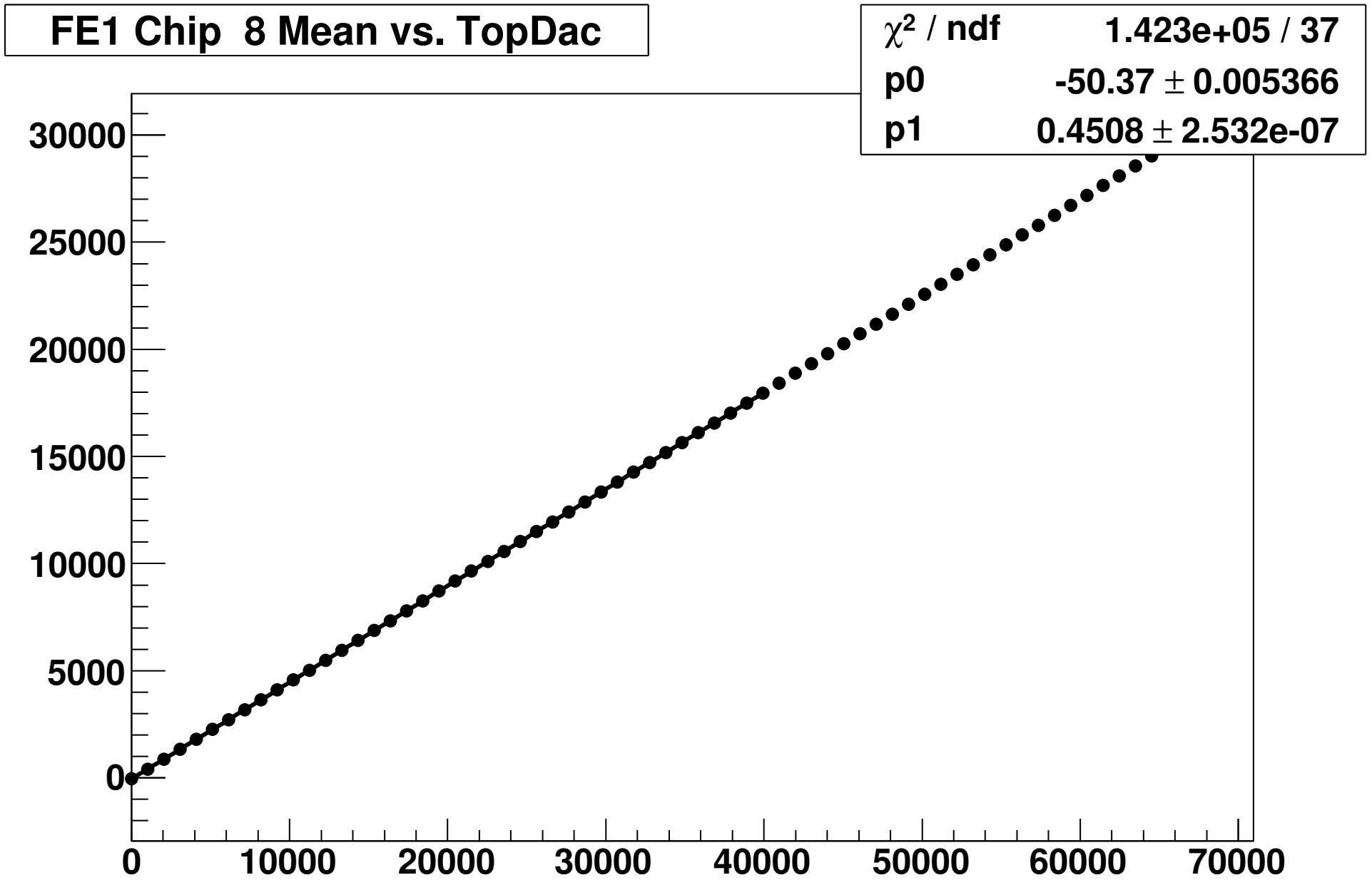
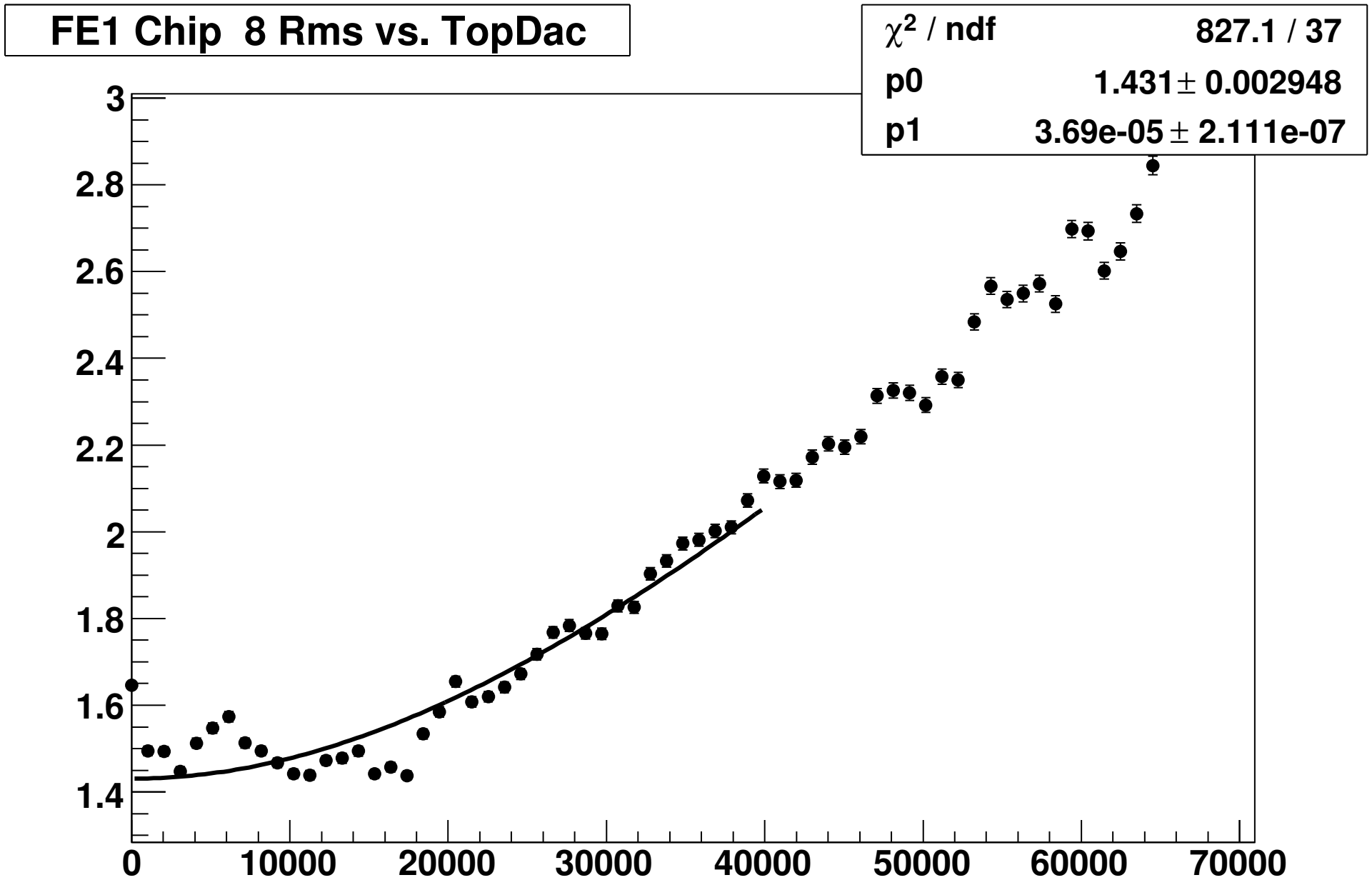

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 1214 / 37
p0 -49.74 ± 0.005524
p1 1.784e-06 ± 2.35e-07
-49.4
-49.5
-49.6
-49.7
-49.8
-49.9
-50
-50.1
-50.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 19.37 / 37
p0 1.594 ± 0.001918
p1 6.24e-14 ± 7.754e-06
1.66
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.423e+05 / 37
p0 -50.37 ± 0.005366
p1 0.4508 ± 2.532e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 827.1 / 37
p0 1.431 ± 0.002948
p1 3.69e-05 ± 2.111e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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60000
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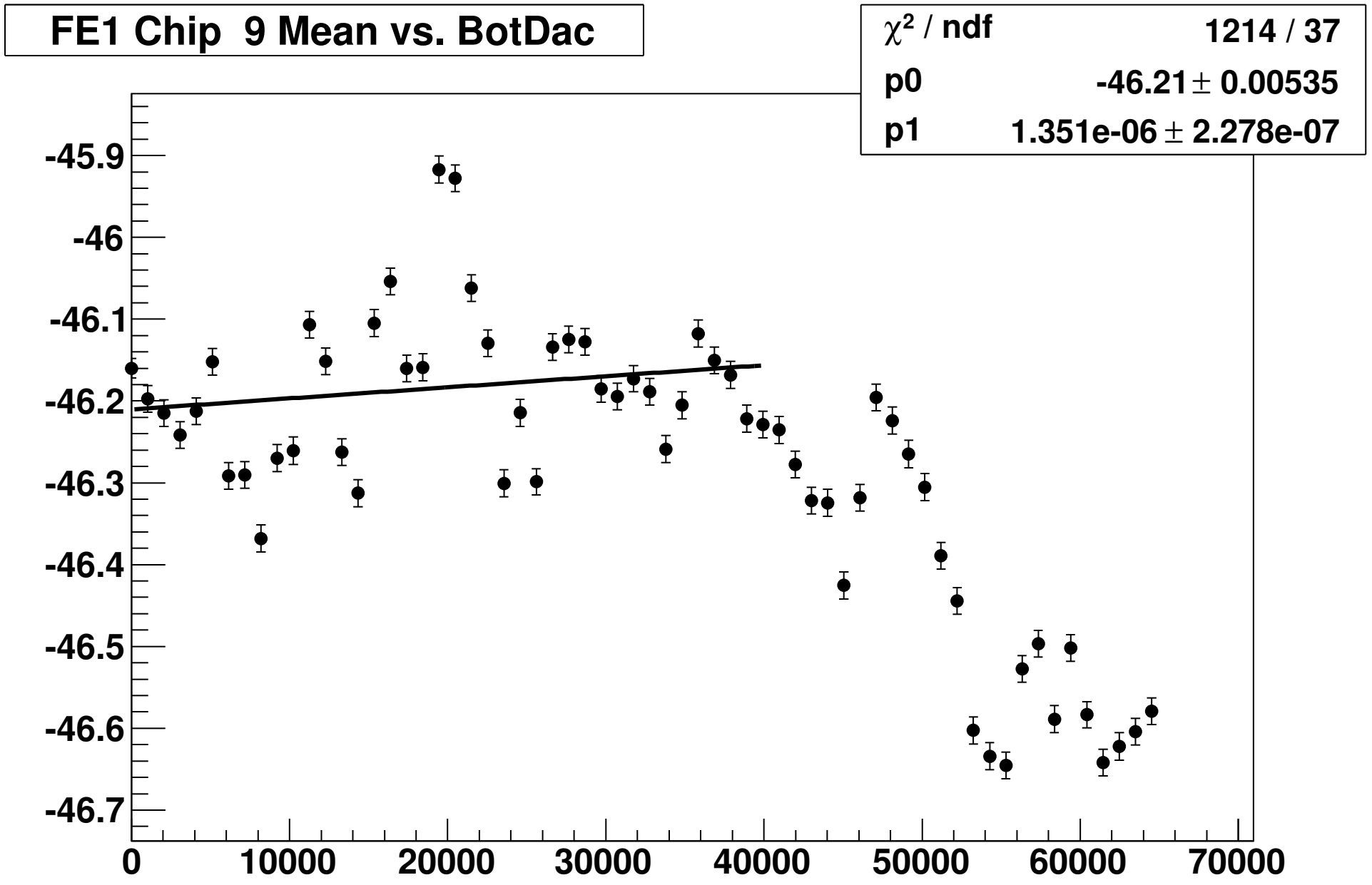
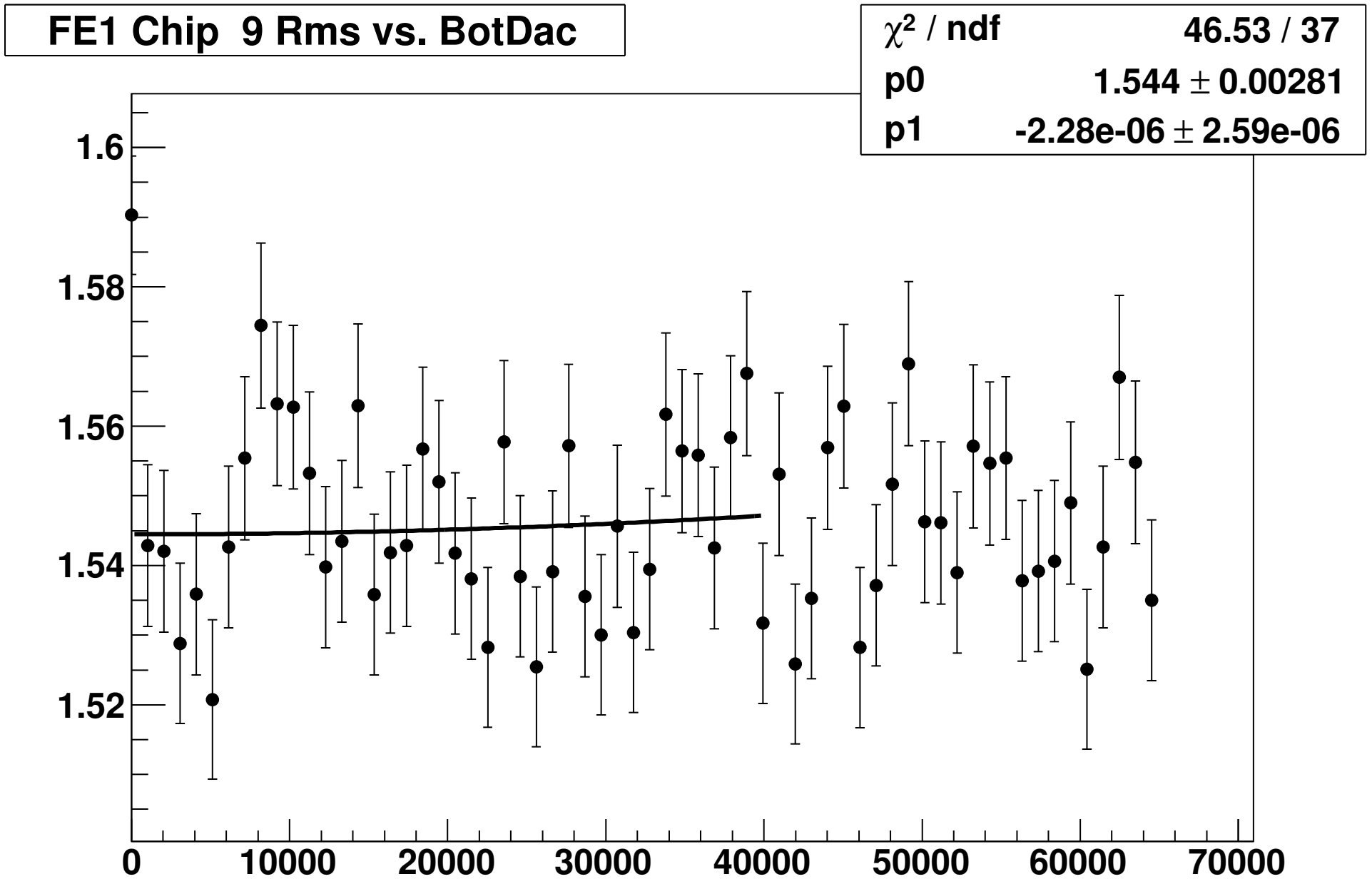

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 1214 / 37
p0 -46.21 ± 0.00535
p1 1.351e-06 ± 2.278e-07
-45.9
-46
-46.1
-46.2
-46.3
-46.4
-46.5
-46.6
-46.7
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 46.53 / 37
p0 1.544 ± 0.00281
p1 -2.28e-06 ± 2.59e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
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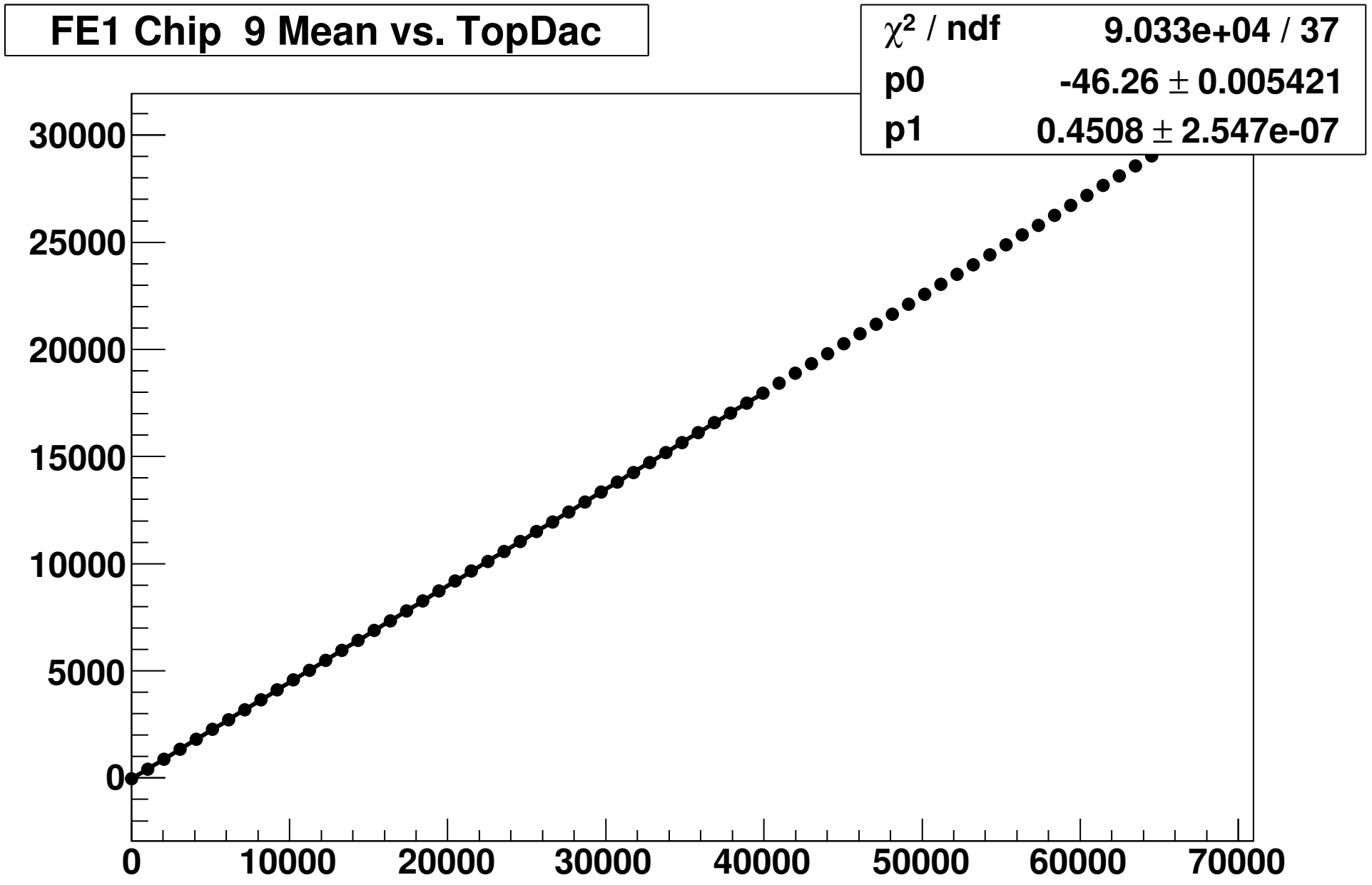
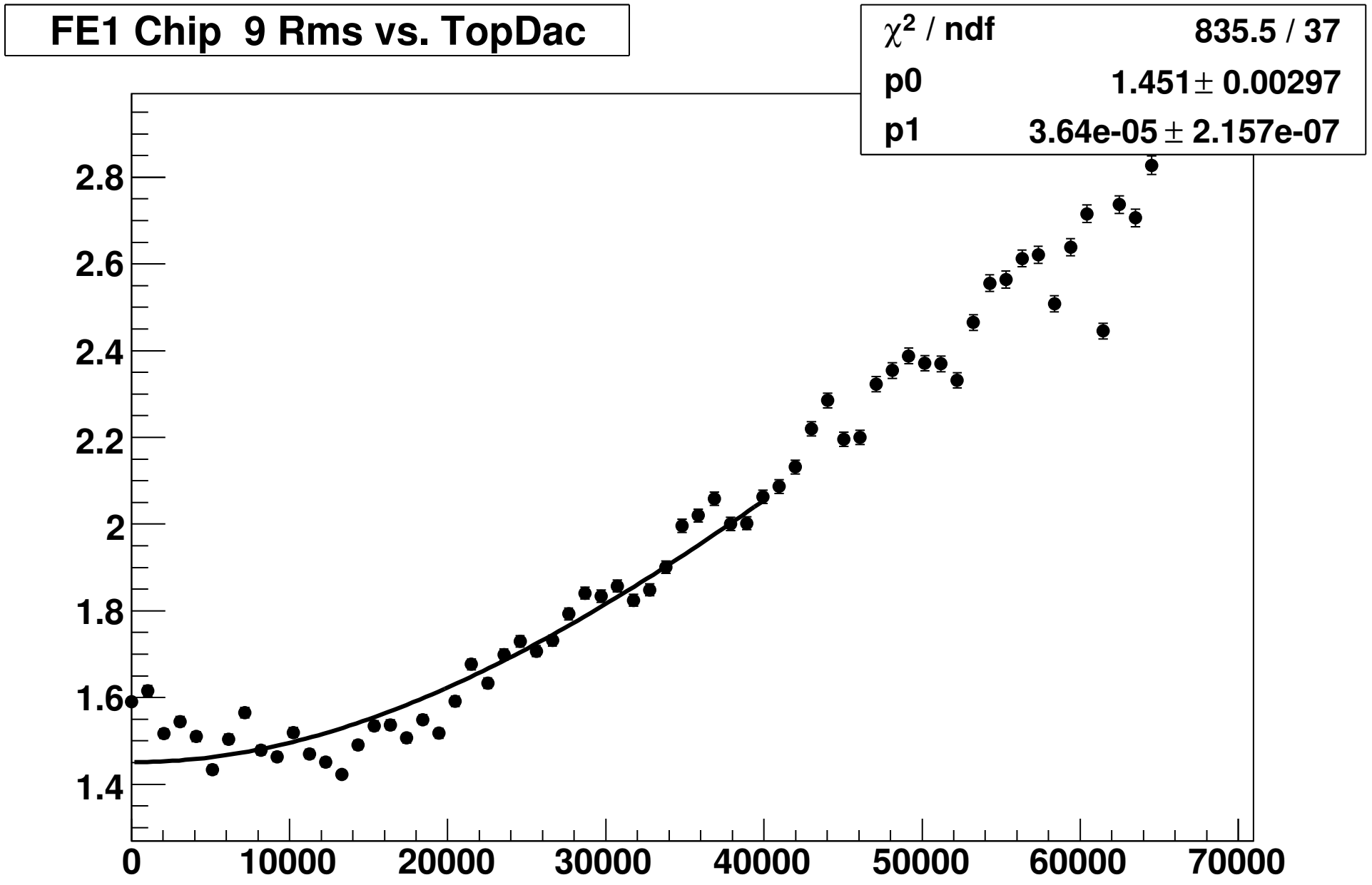
50000
60000
70000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 9.033e+04 / 37
p0 -46.26 ± 0.005421
p1 0.4508 ± 2.547e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 835.5 / 37
p0 1.451 ± 0.00297
p1 3.64e-05 ± 2.157e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
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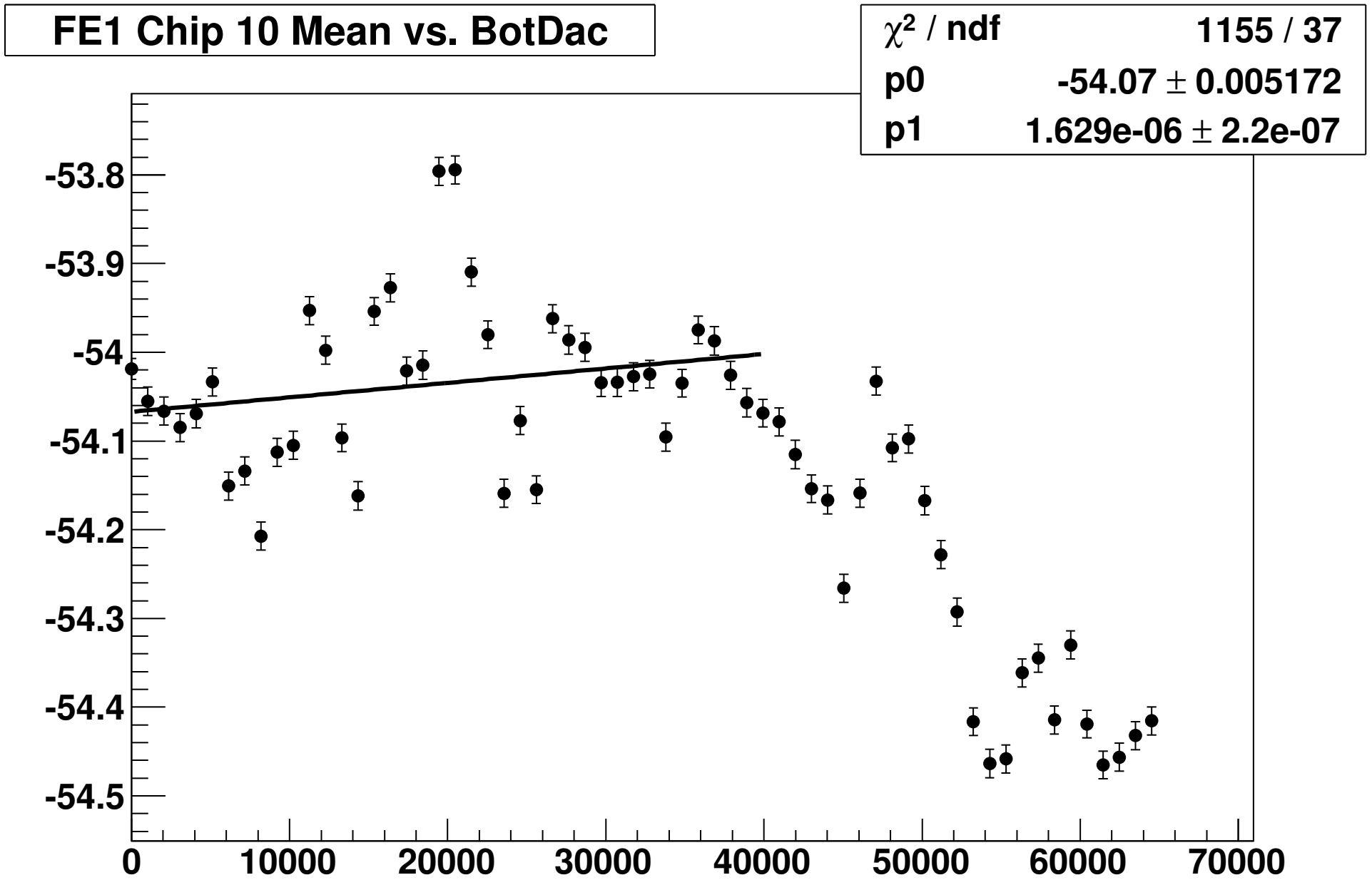
FE1 Chip 10 Mean vs. BotDac
χ² / ndf 1155 / 37
p0 -54.07 ± 0.005172
p1 1.629e-06 ± 2.2e-07
-53.8
-53.9
-54
-54.1
-54.2
-54.3
-54.4
-54.5
0
10000
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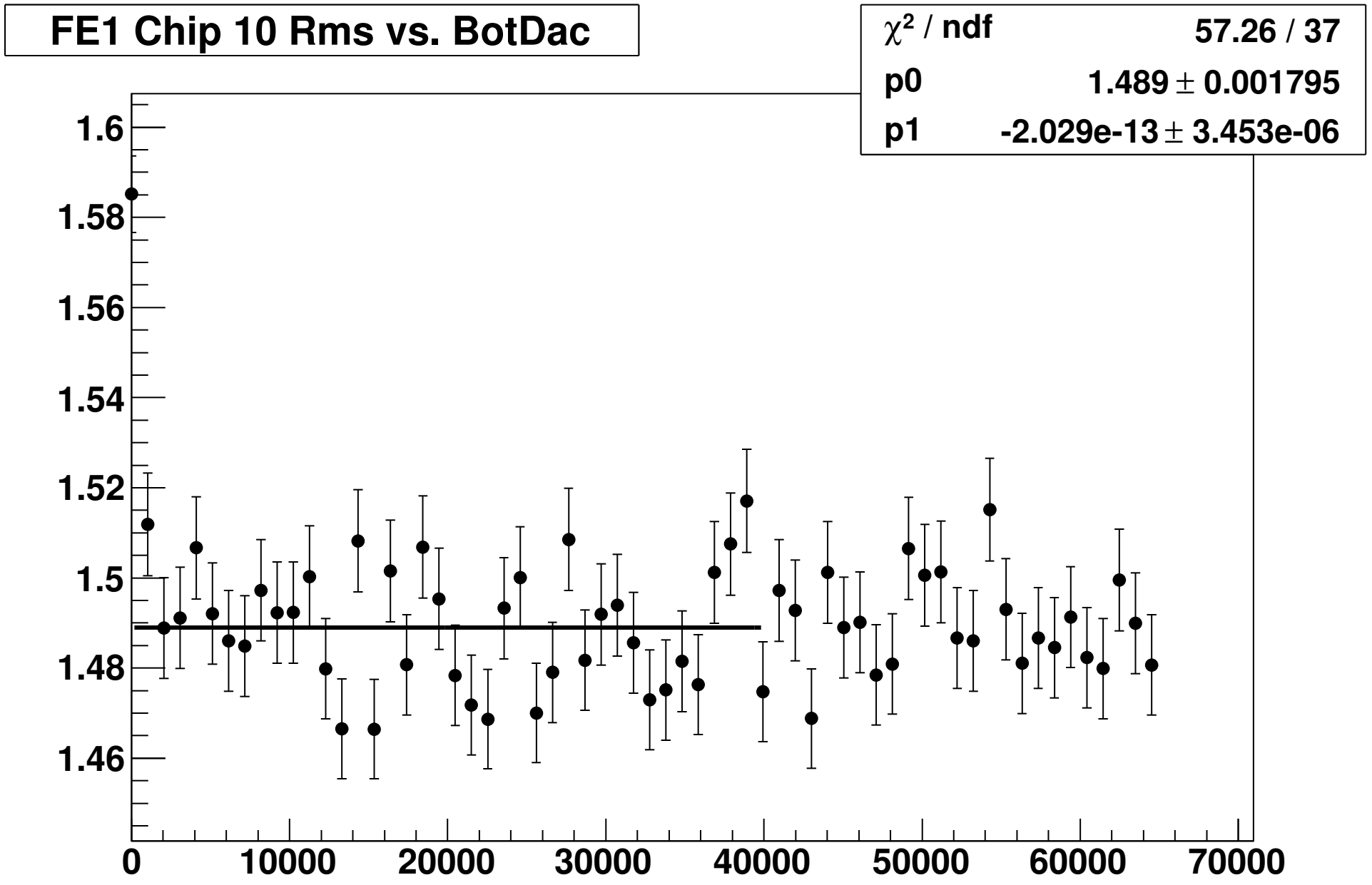
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 57.26 / 37
p0 1.489 ± 0.001795
p1 -2.029e-13 ± 3.453e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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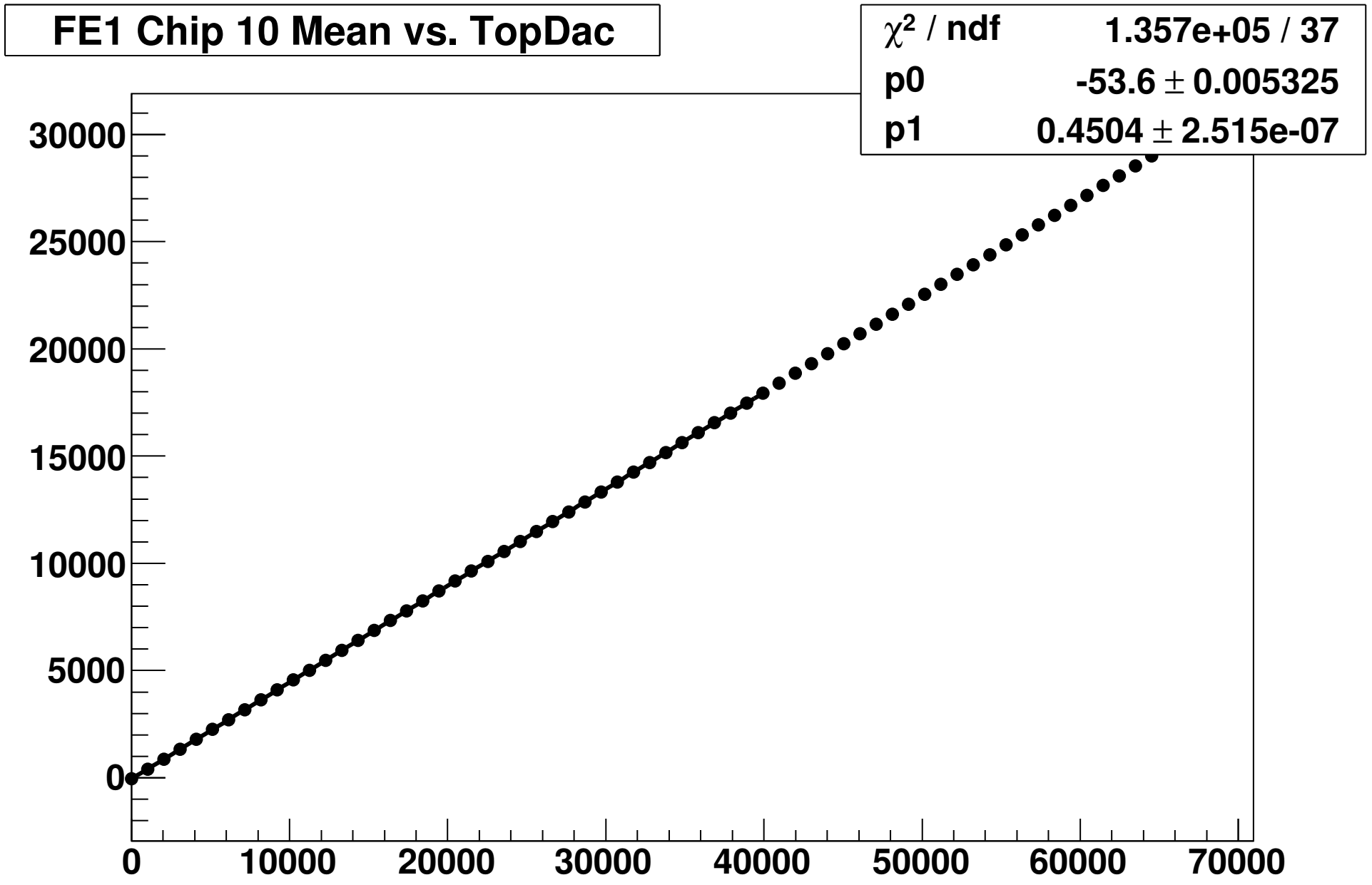
50000
60000
70000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.357e+05 / 37
p0 -53.6 ± 0.005325
p1 0.4504 ± 2.515e-07
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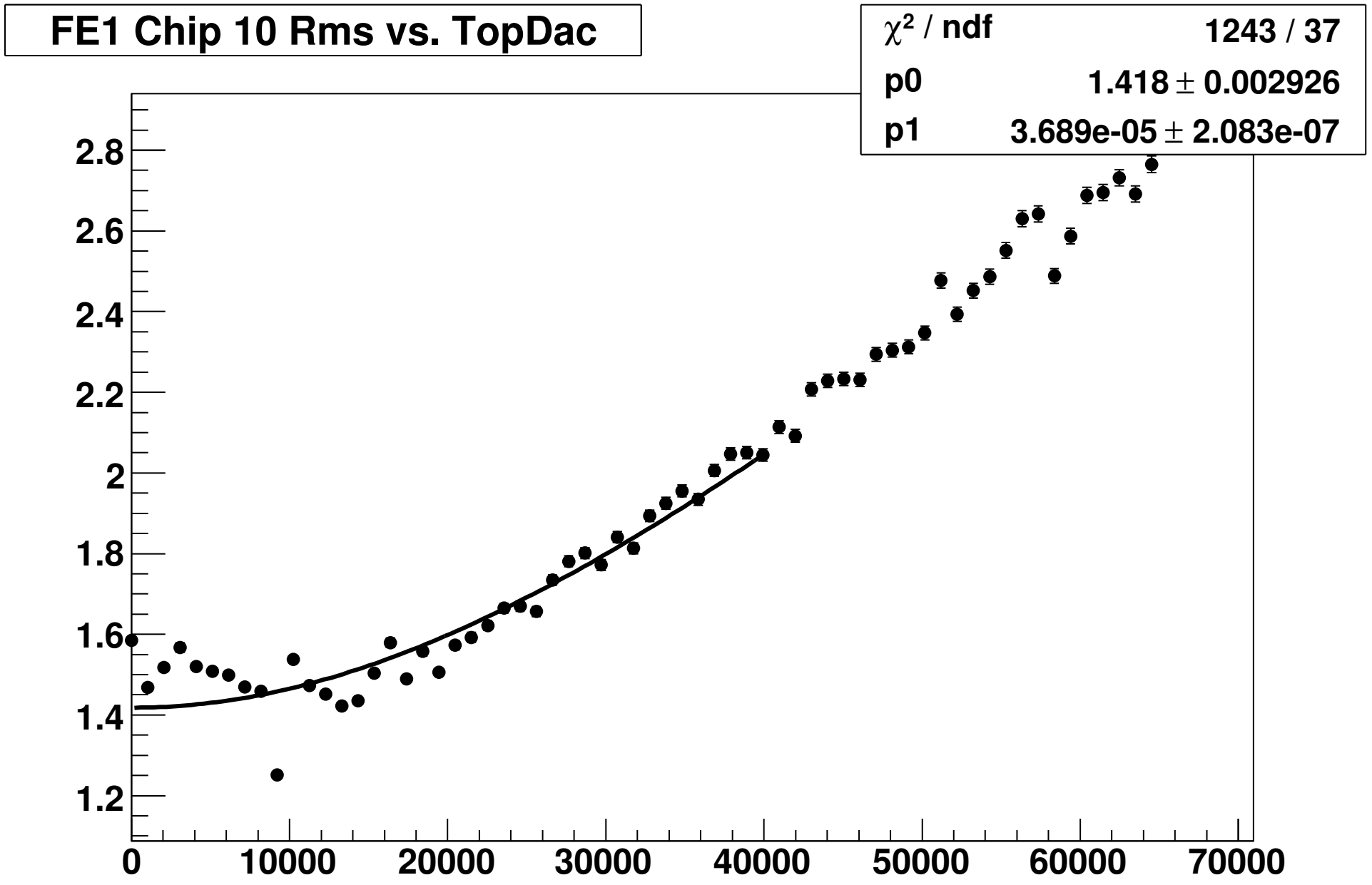
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1243 / 37
p0 1.418 ± 0.002926
p1 3.689e-05 ± 2.083e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
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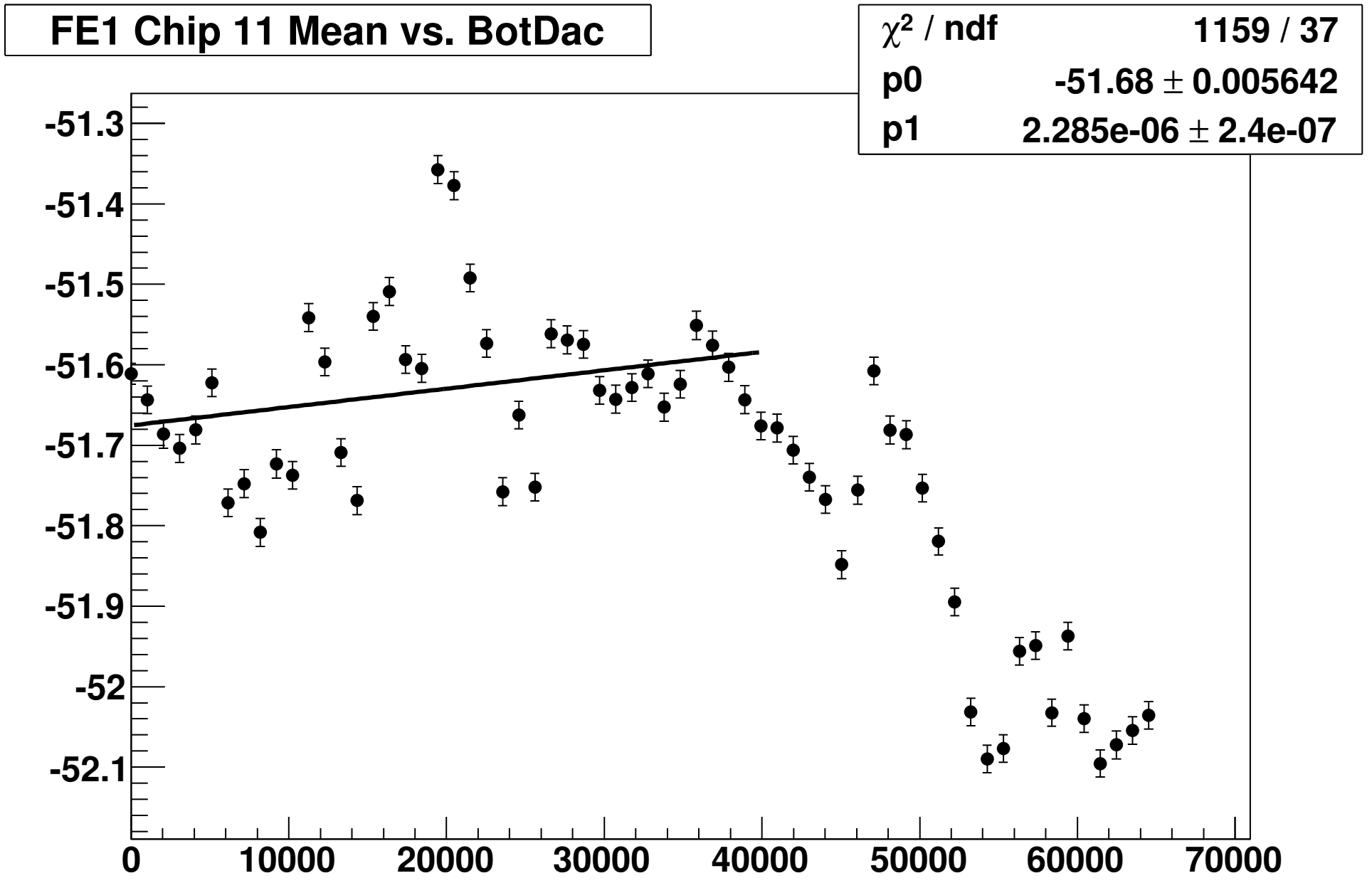
FE1 Chip 11 Mean vs. BotDac
χ² / ndf 1159 / 37
p0 -51.68 ± 0.005642
p1 2.285e-06 ± 2.4e-07
-51.3
-51.4
-51.5
-51.6
-51.7
-51.8
-51.9
-52
-52.1
0
10000
20000
30000
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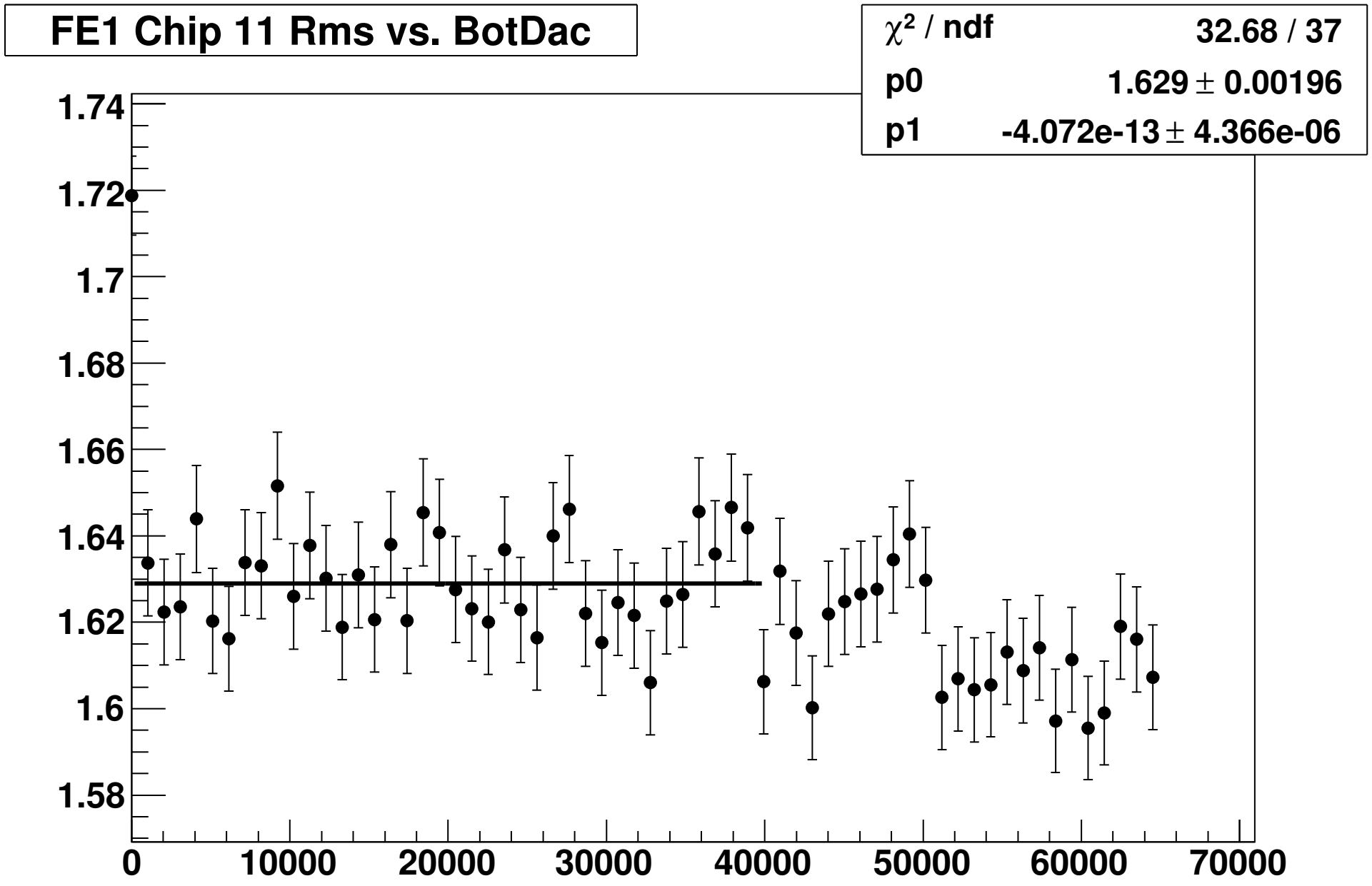
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 32.68 / 37
p0 1.629 ± 0.00196
p1 -4.072e-13 ± 4.366e-06
1.74
1.72
1.7
1.68
1.66
1.64
1.62
1.6
1.58
0
10000
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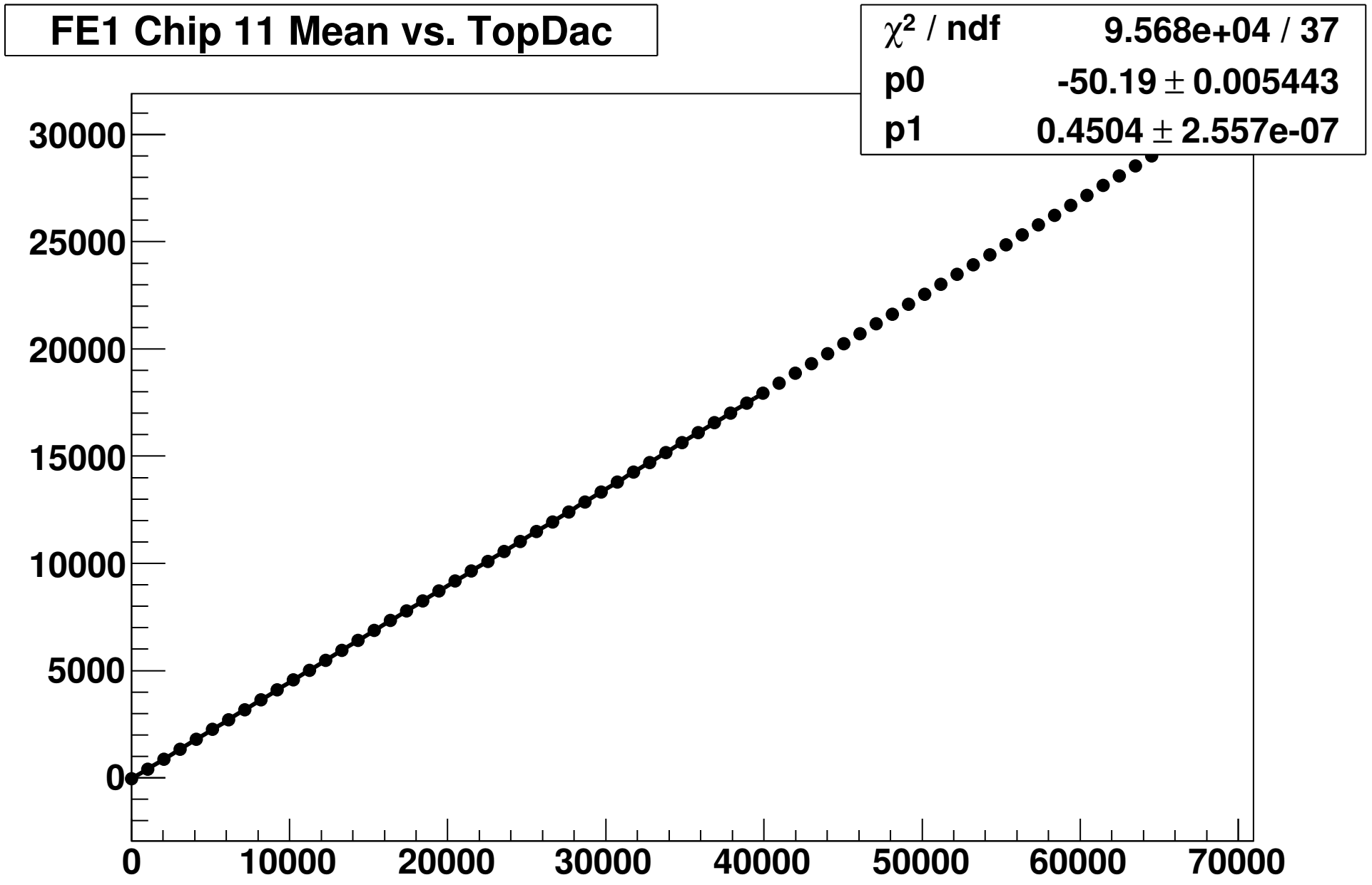
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 9.568e+04 / 37
p0 -50.19 ± 0.005443
p1 0.4504 ± 2.557e-07
30000
25000
20000
15000
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5000
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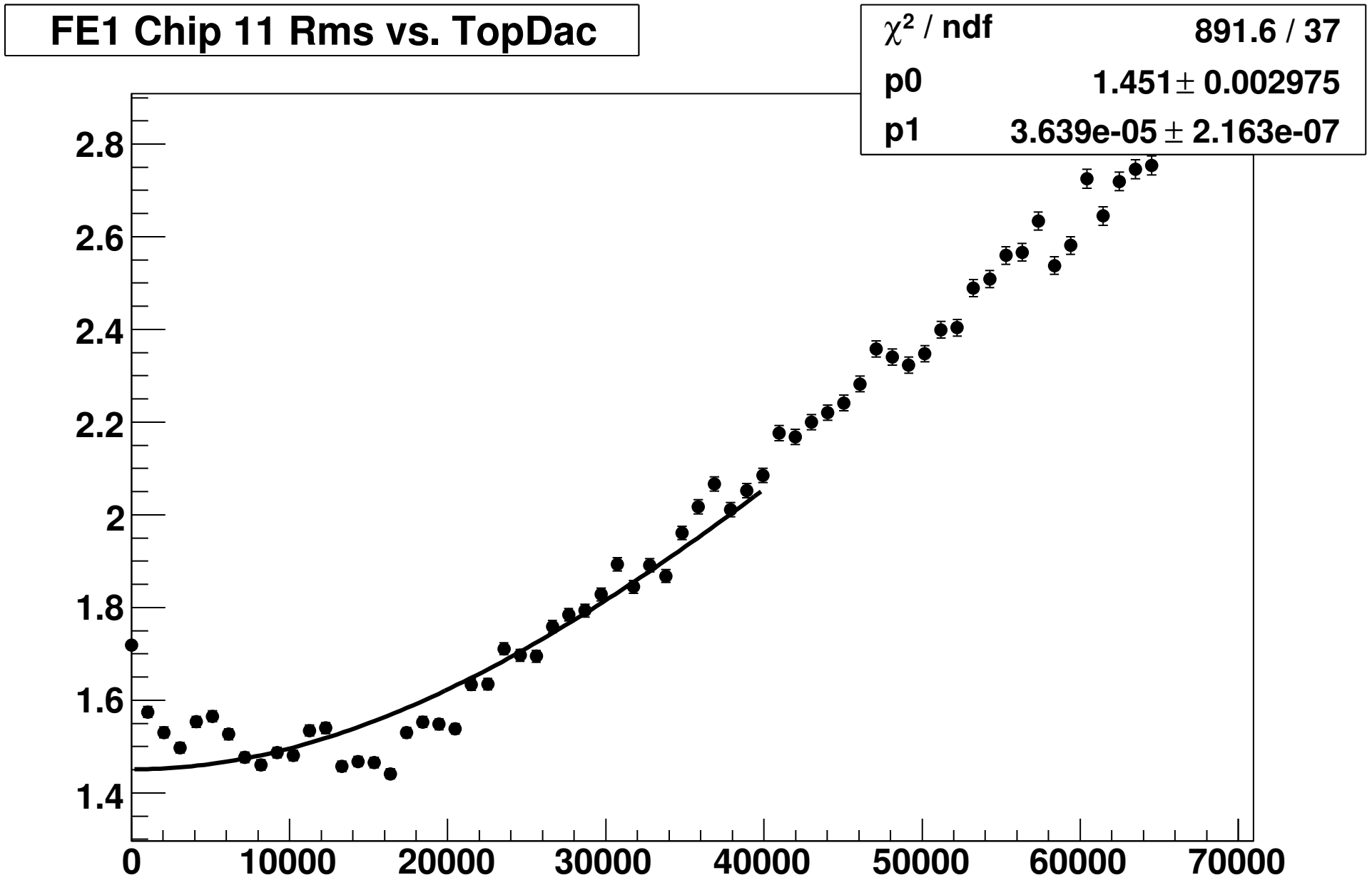
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 891.6 / 37
p0 1.451 ± 0.002975
p1 3.639e-05 ± 2.163e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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60000
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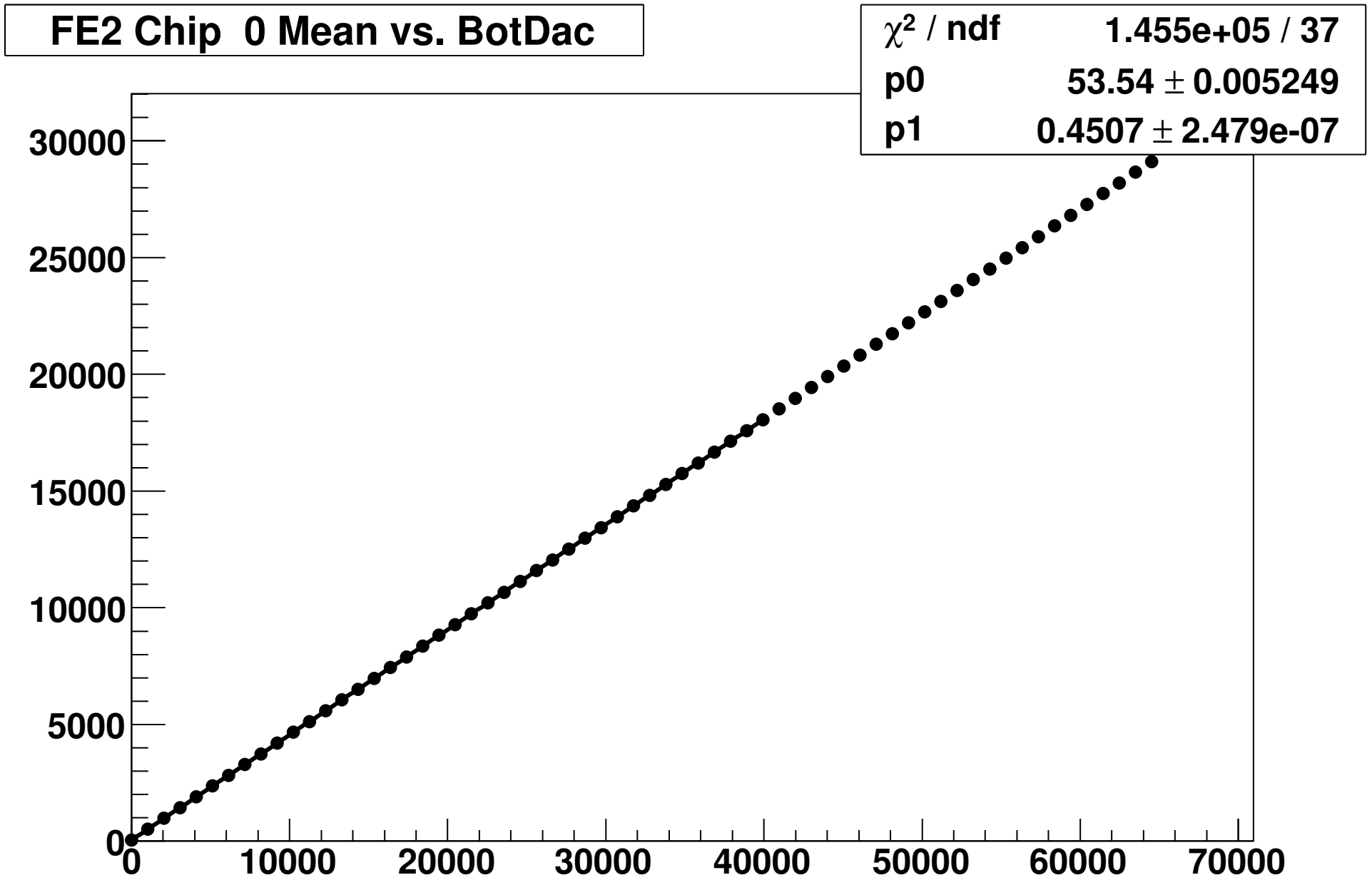
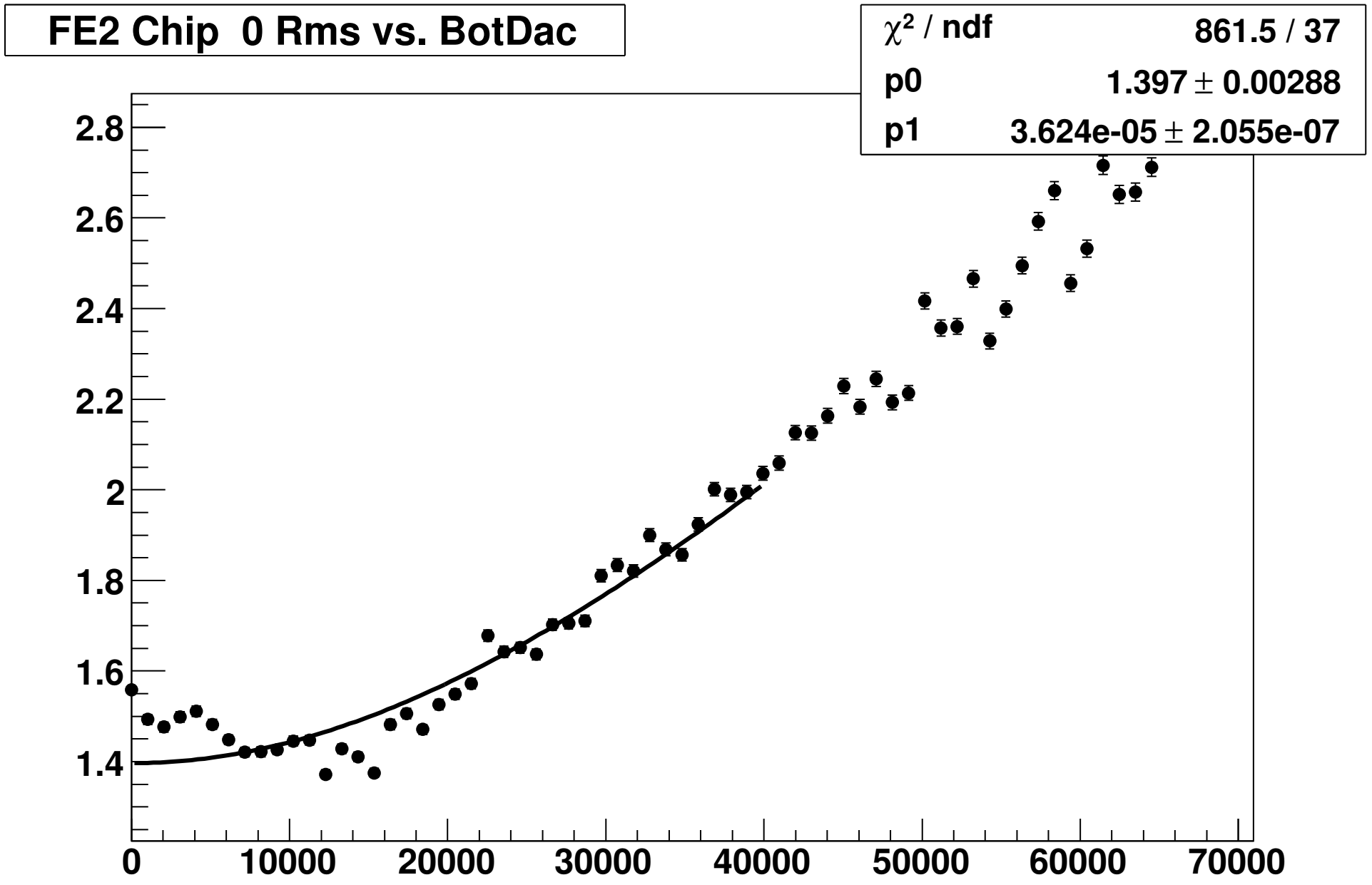

FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.455e+05 / 37
p0 53.54 ± 0.005249
p1 0.4507 ± 2.479e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 861.5 / 37
p0 1.397 ± 0.00288
p1 3.624e-05 ± 2.055e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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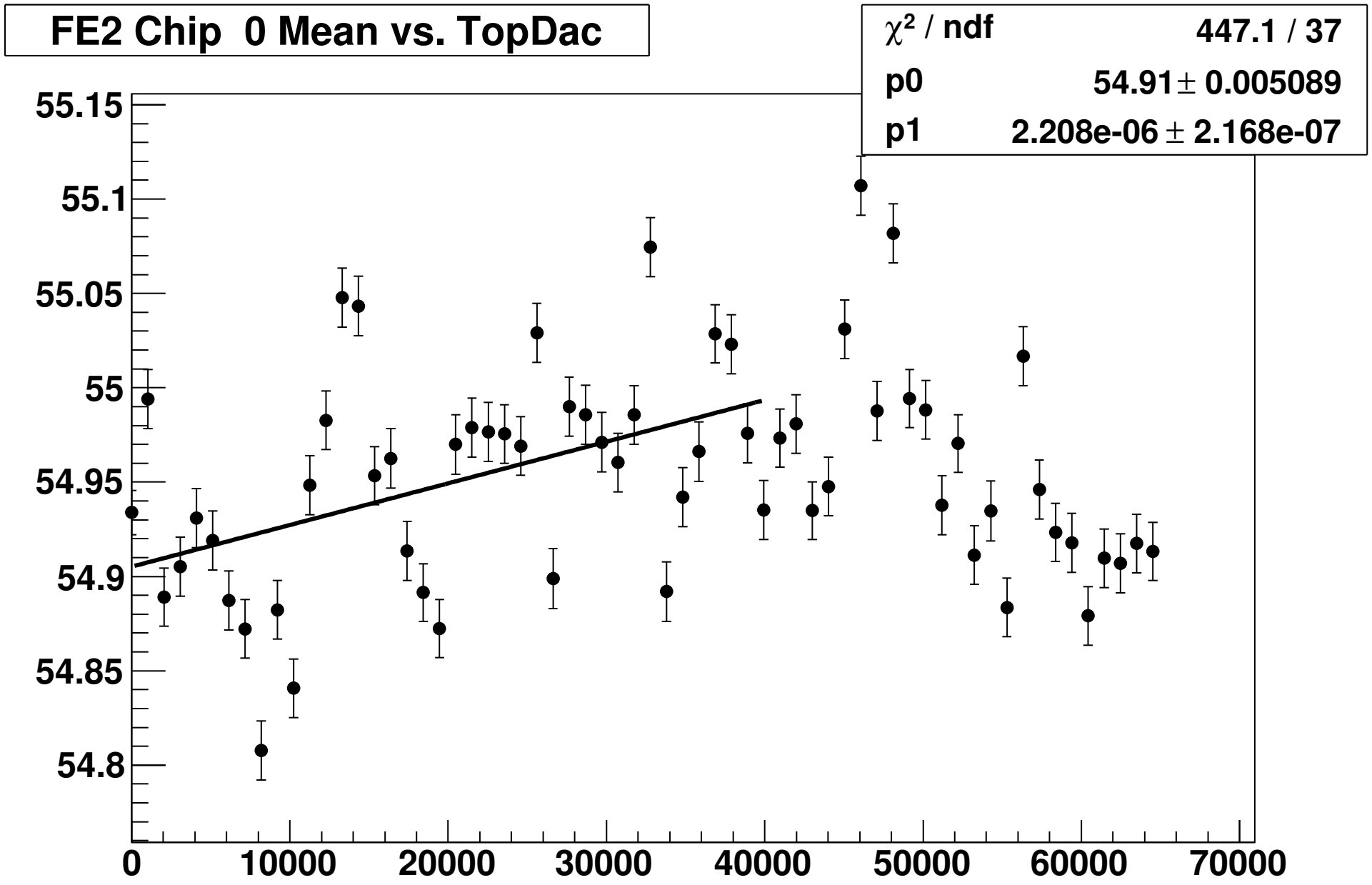
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 447.1 / 37
p0 54.91 ± 0.005089
p1 2.208e-06 ± 2.168e-07
55.15
55.1
55.05
55
54.95
54.9
54.85
54.8
0
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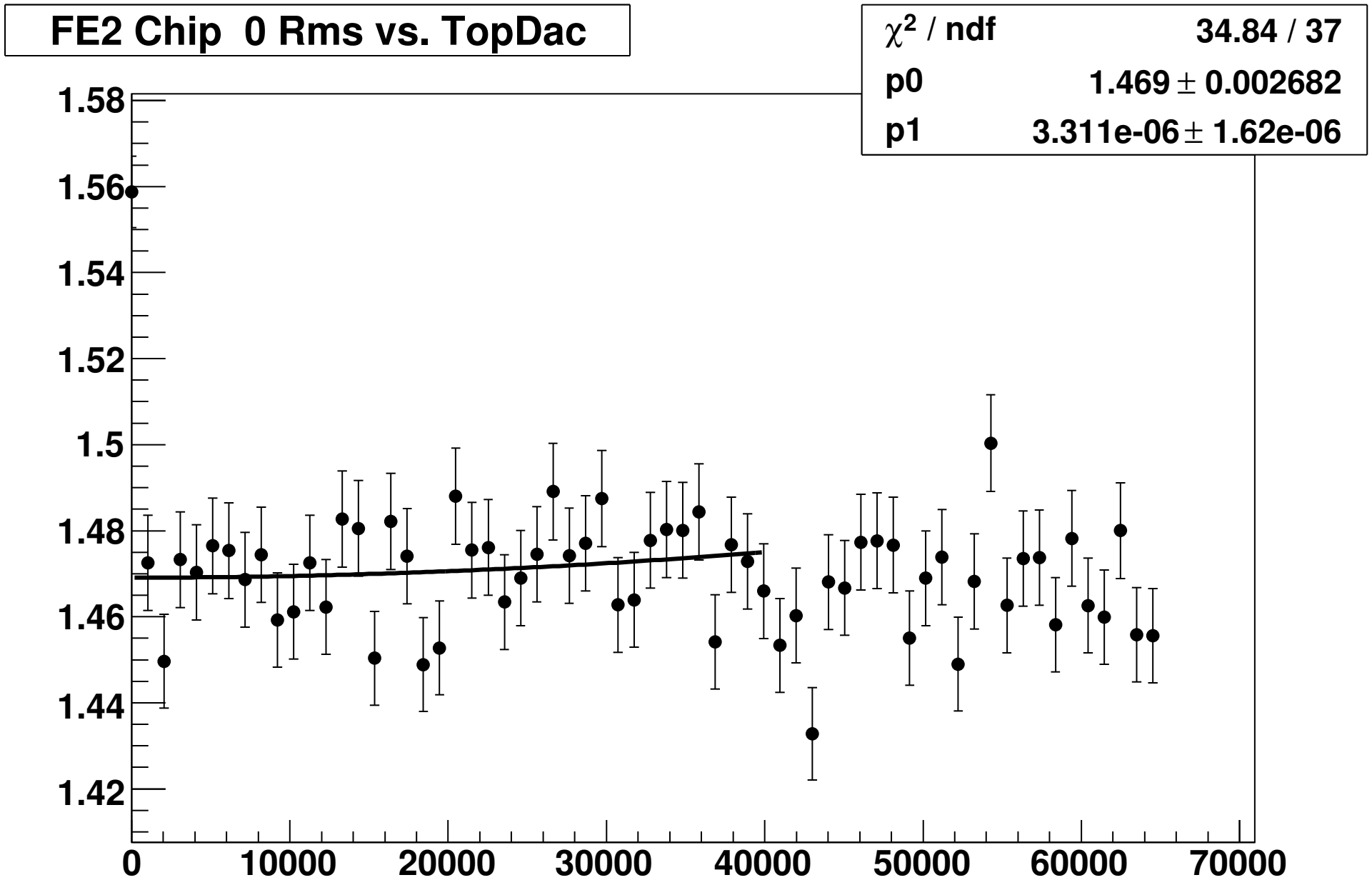
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 34.84 / 37
p0 1.469 ± 0.002682
p1 3.311e-06 ± 1.62e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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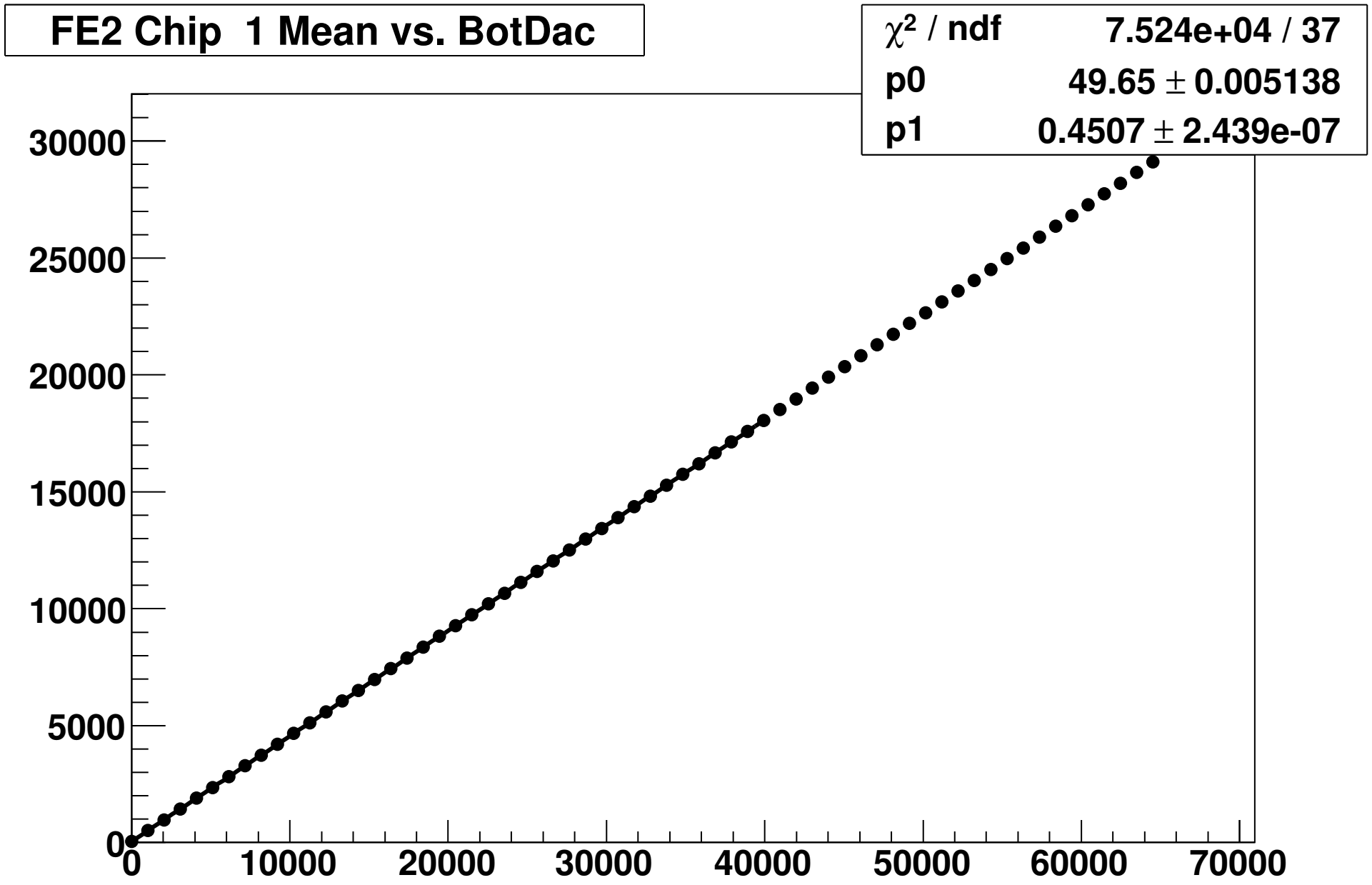
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 7.524e+04 / 37
p0 49.65 ± 0.005138
p1 0.4507 ± 2.439e-07
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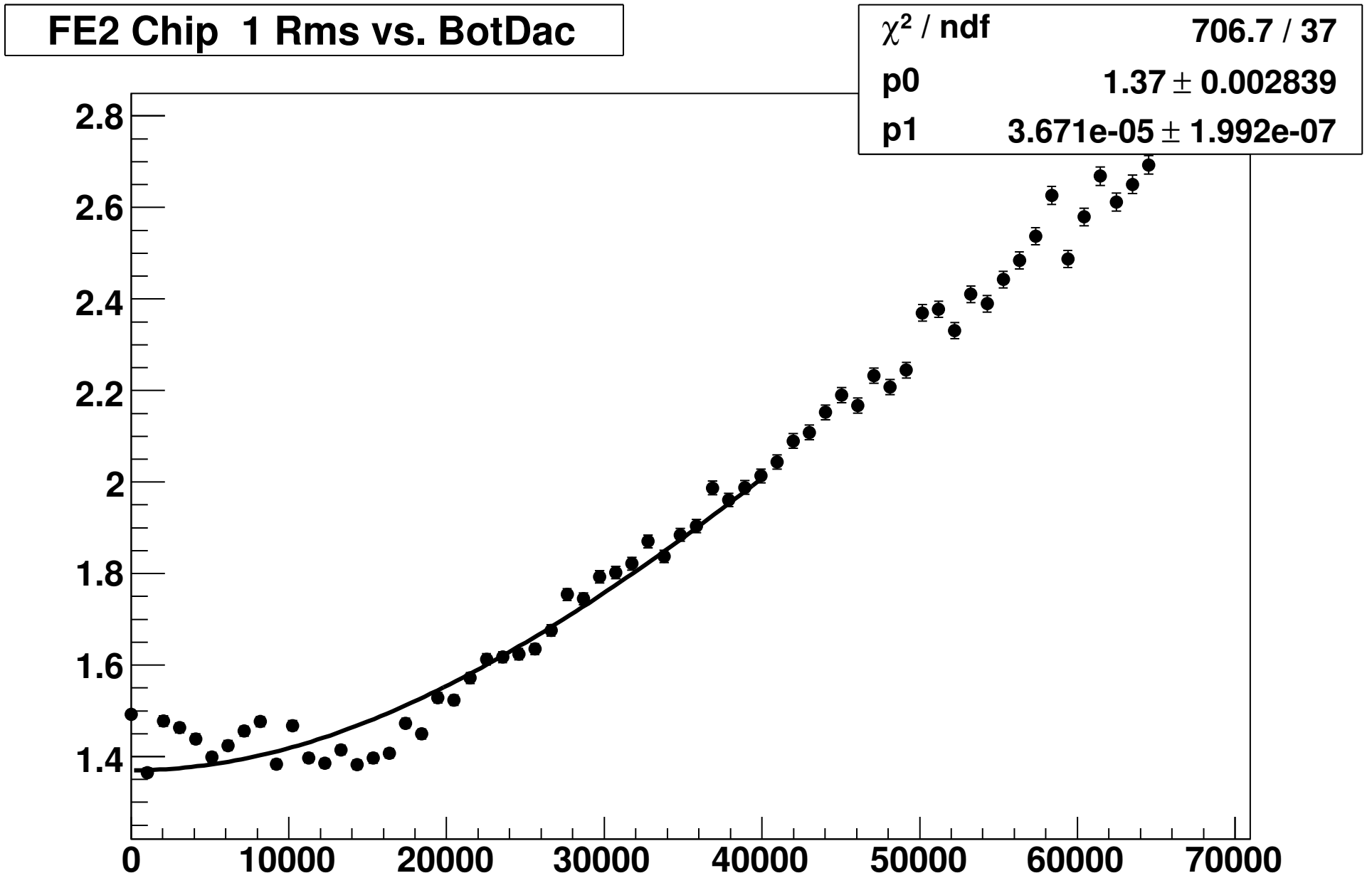
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 706.7 / 37
p0 1.37 ± 0.002839
p1 3.671e-05 ± 1.992e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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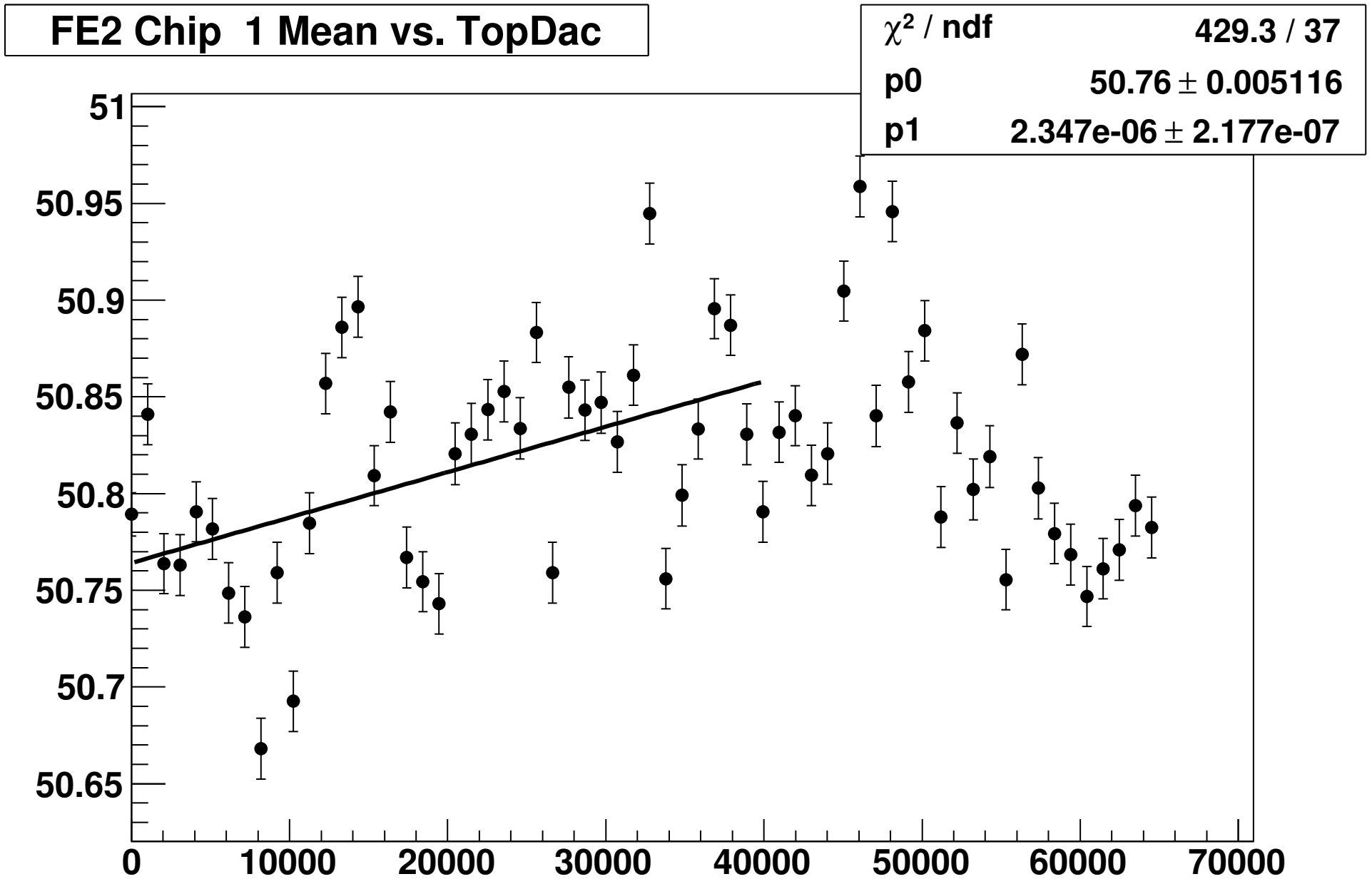
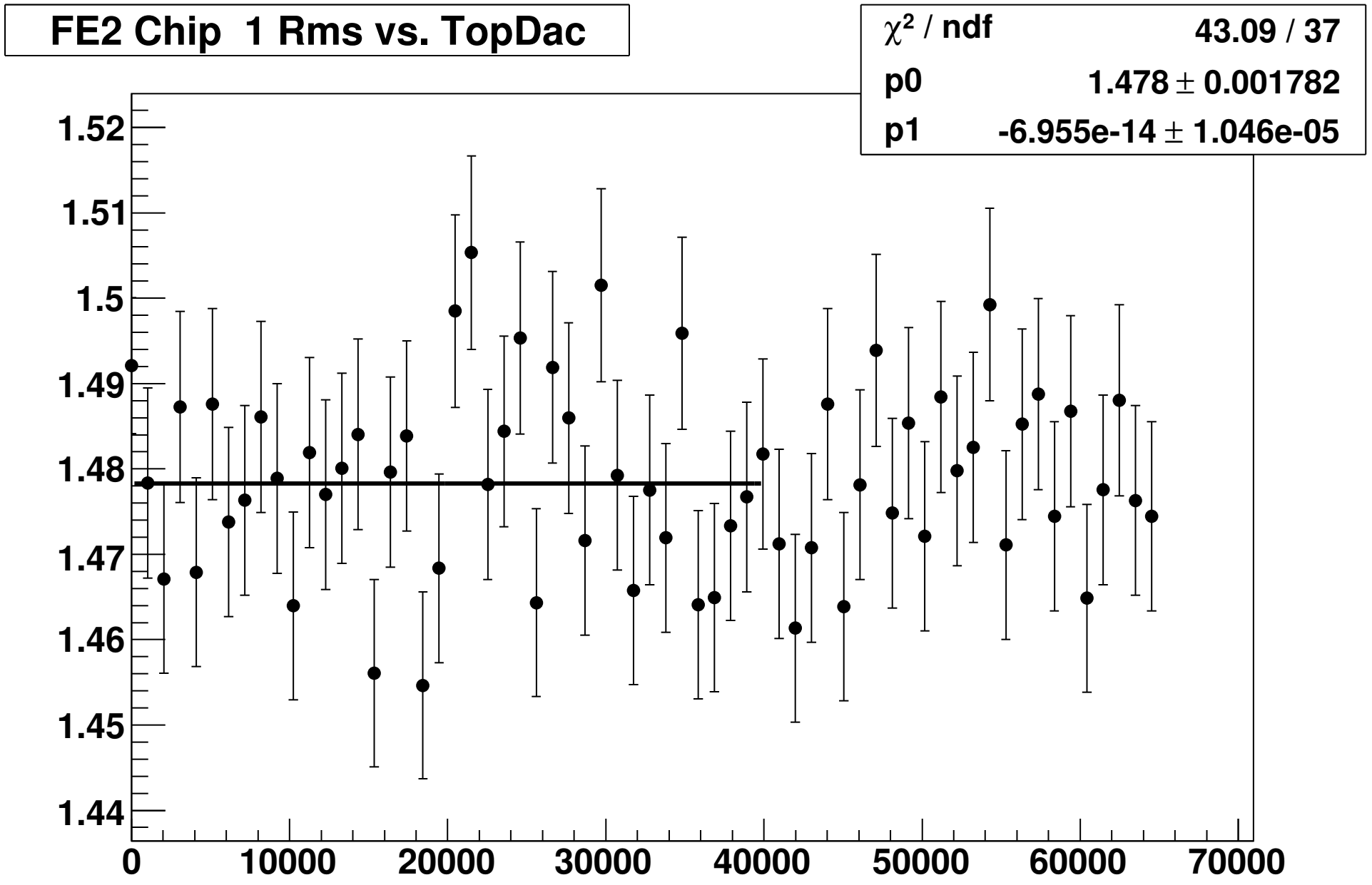

FE2 Chip 1 Mean vs. TopDac
χ² / ndf 429.3 / 37
p0 50.76 ± 0.005116
p1 2.347e-06 ± 2.177e-07
51
50.95
50.9
50.85
50.8
50.75
50.7
50.65
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 43.09 / 37
p0 1.478 ± 0.001782
p1 -6.955e-14 ± 1.046e-05
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
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50000
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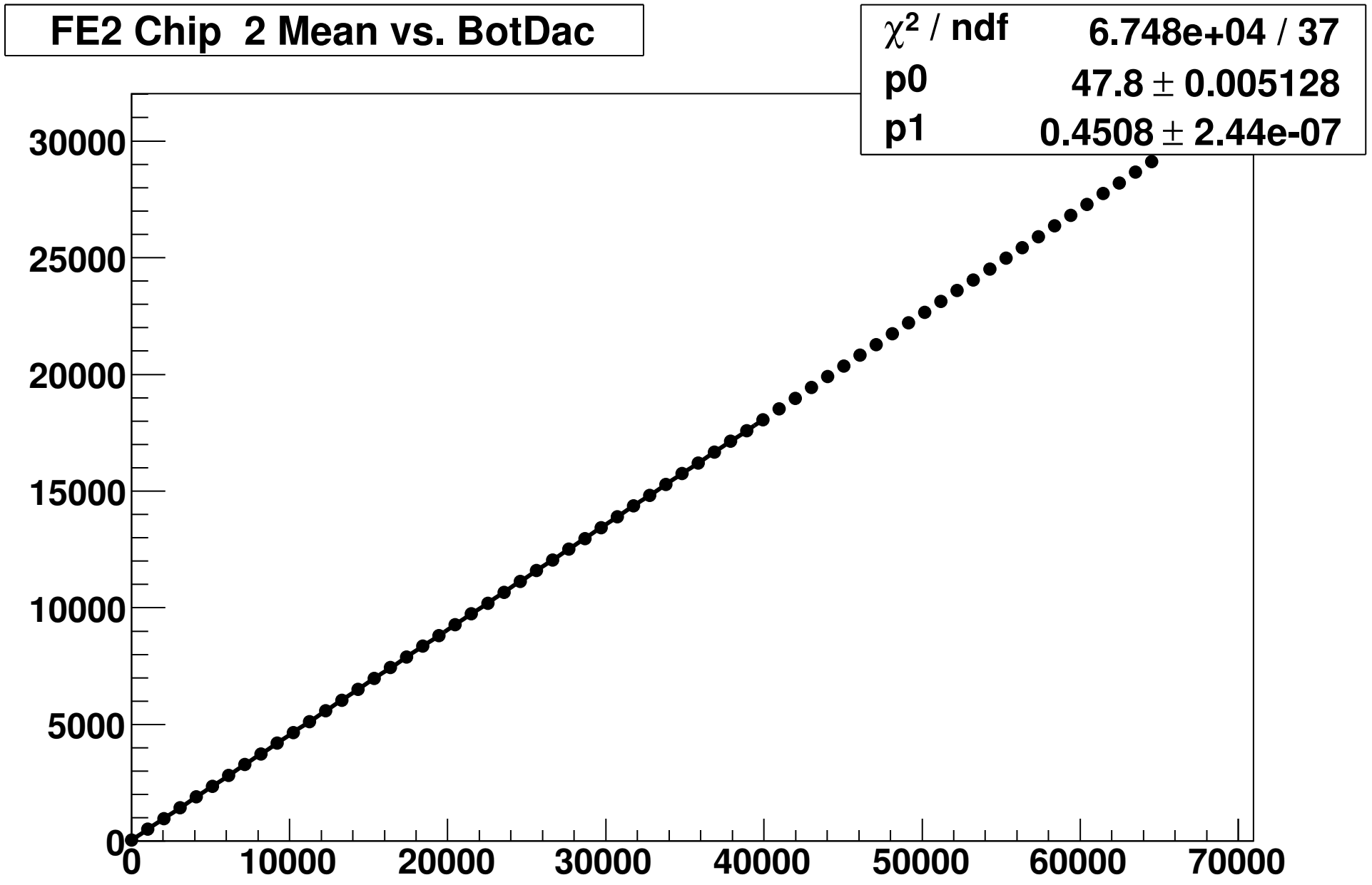
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 6.748e+04 / 37
p0 47.8 ± 0.005128
p1 0.4508 ± 2.44e-07
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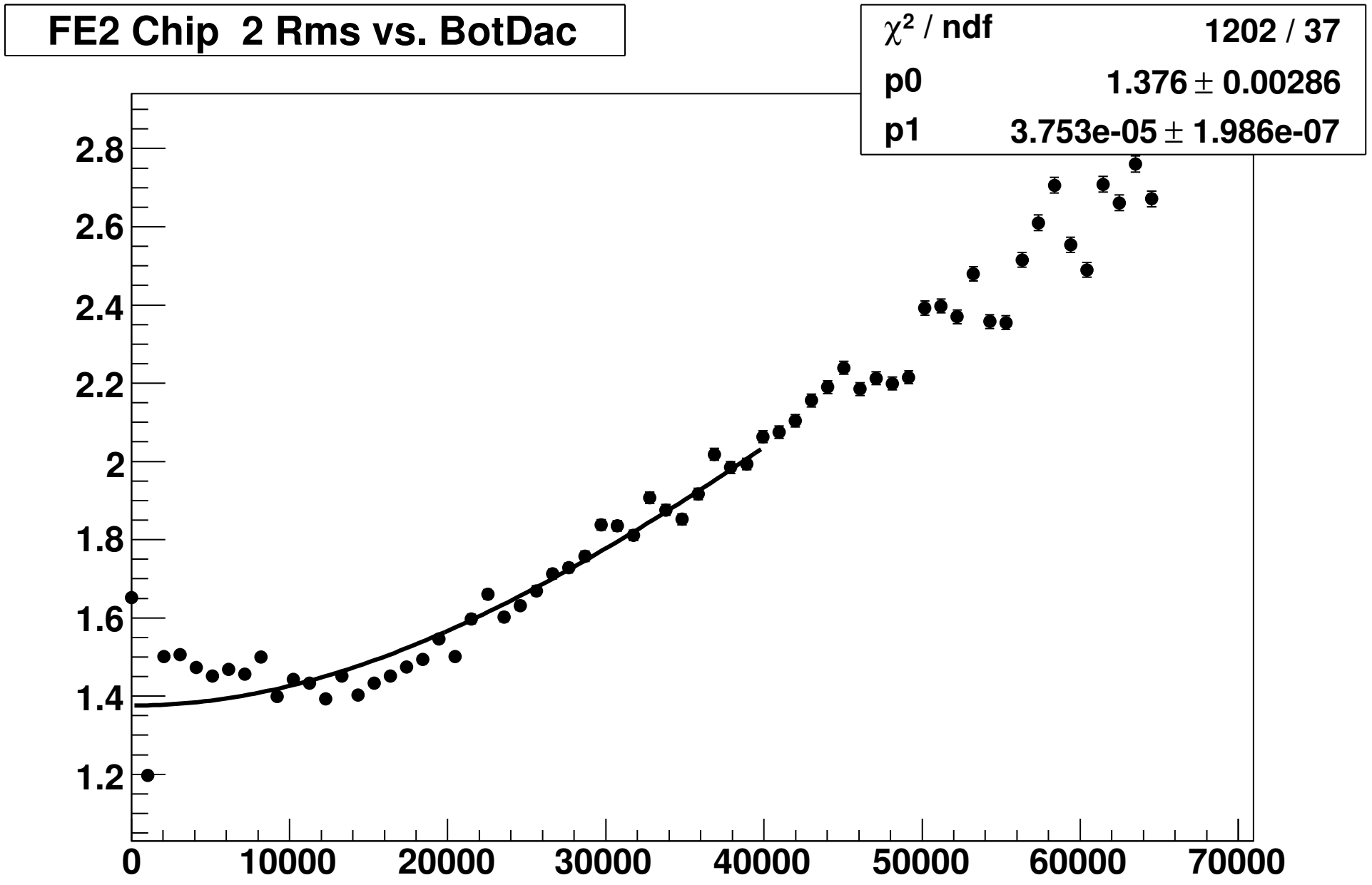
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 1202 / 37
p0 1.376 ± 0.00286
p1 3.753e-05 ± 1.986e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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50000
60000
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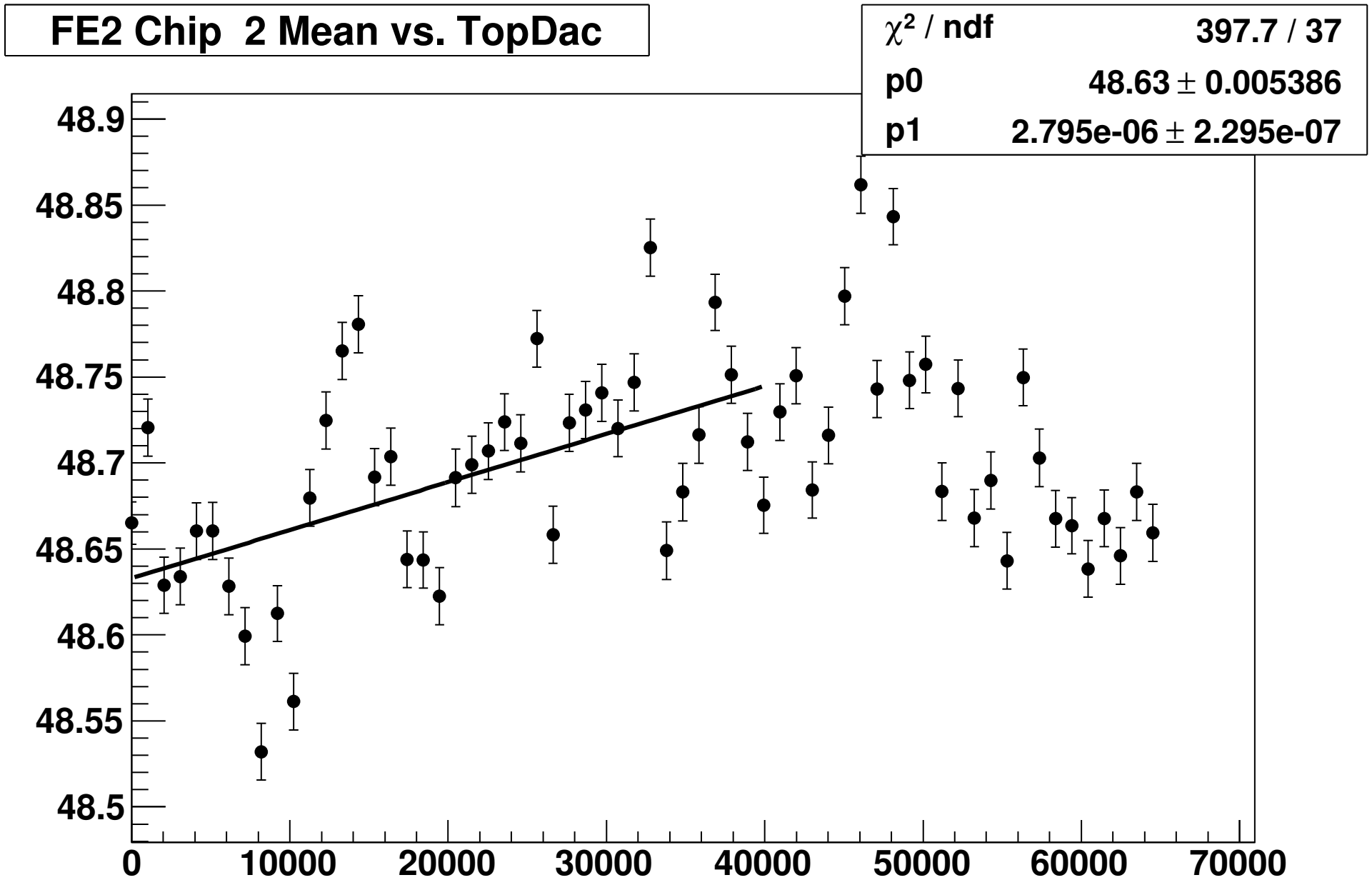
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 397.7 / 37
p0 48.63 ± 0.005386
p1 2.795e-06 ± 2.295e-07
48.9
48.85
48.8
48.75
48.7
48.65
48.6
48.55
48.5
0
10000
20000
30000
40000
50000
60000
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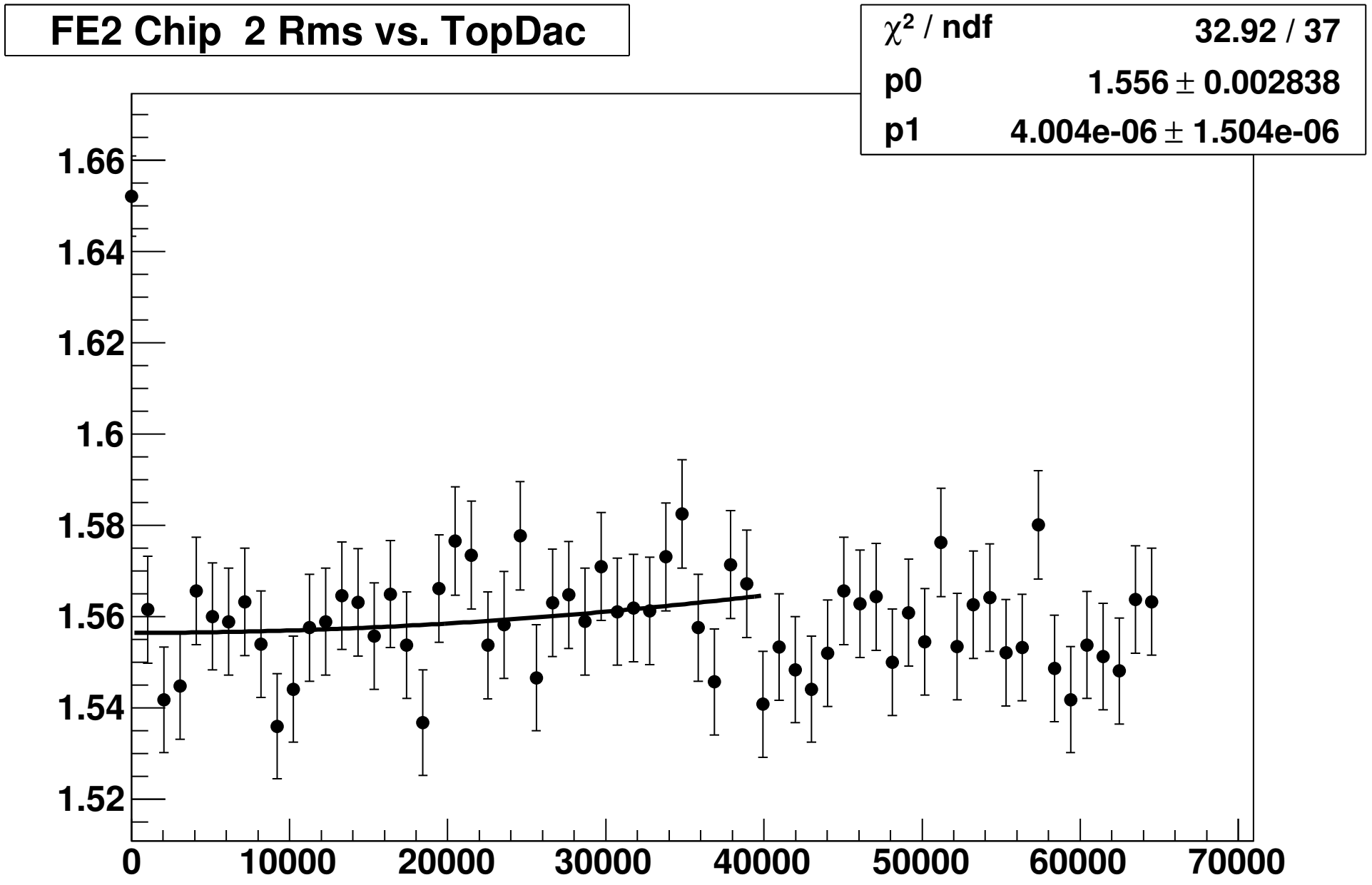
FE2 Chip 2 Rms vs. TopDac
χ² / ndf 32.92 / 37
p0 1.556 ± 0.002838
p1 4.004e-06 ± 1.504e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
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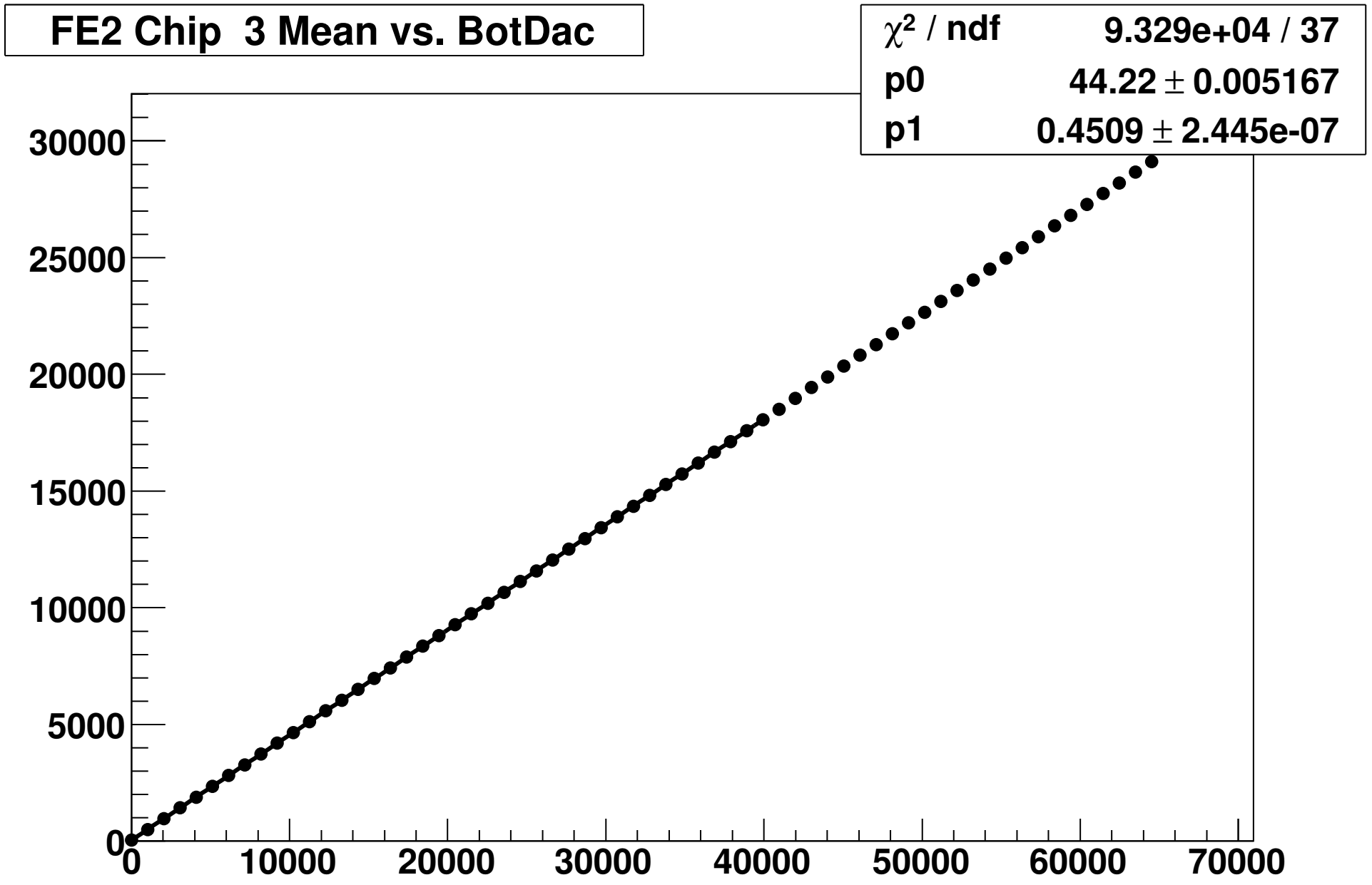
FE2 Chip 3 Mean vs. BotDac
χ² / ndf 9.329e+04 / 37
p0 44.22 ± 0.005167
p1 0.4509 ± 2.445e-07
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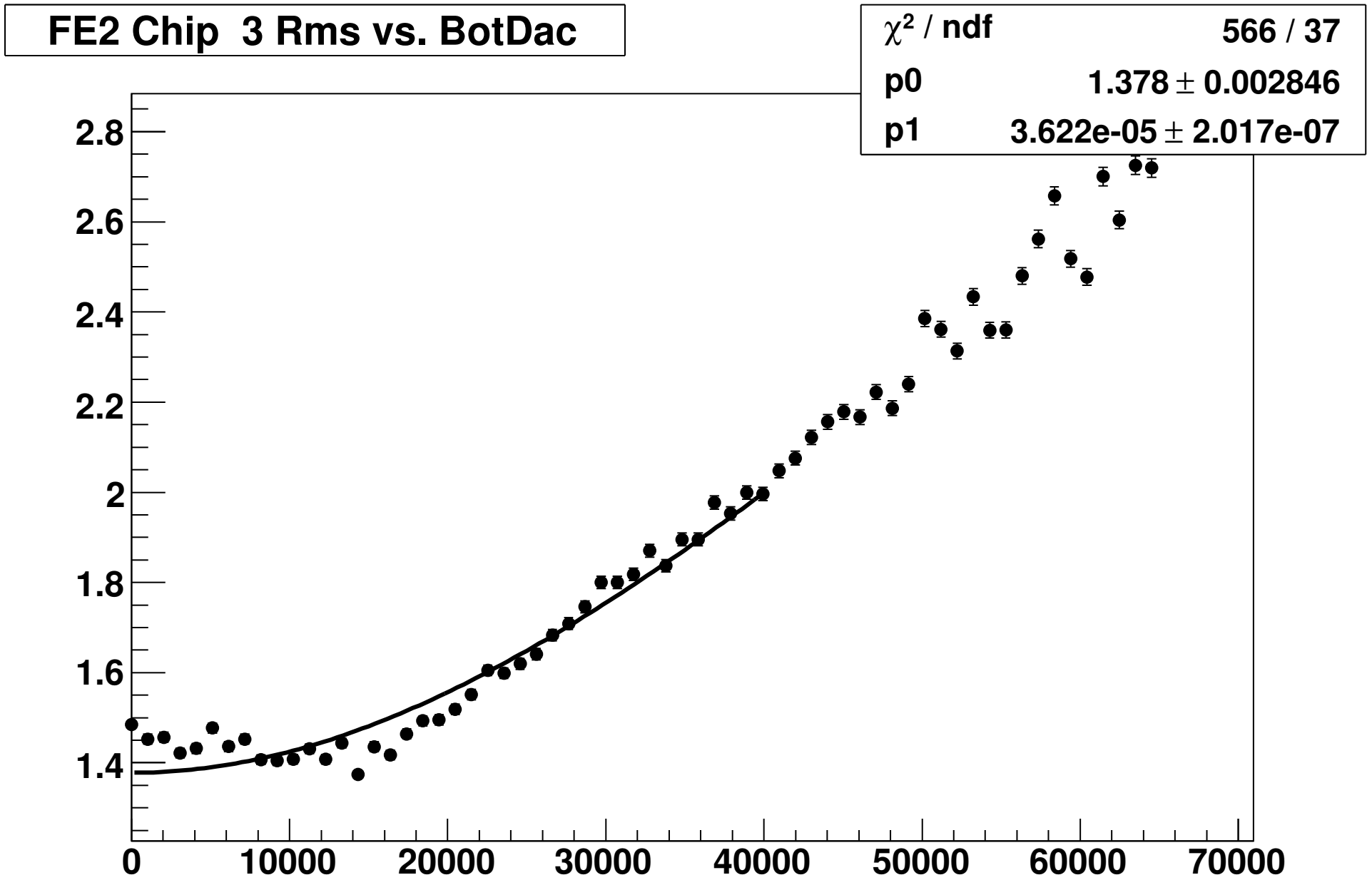
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 566 / 37
p0 1.378 ± 0.002846
p1 3.622e-05 ± 2.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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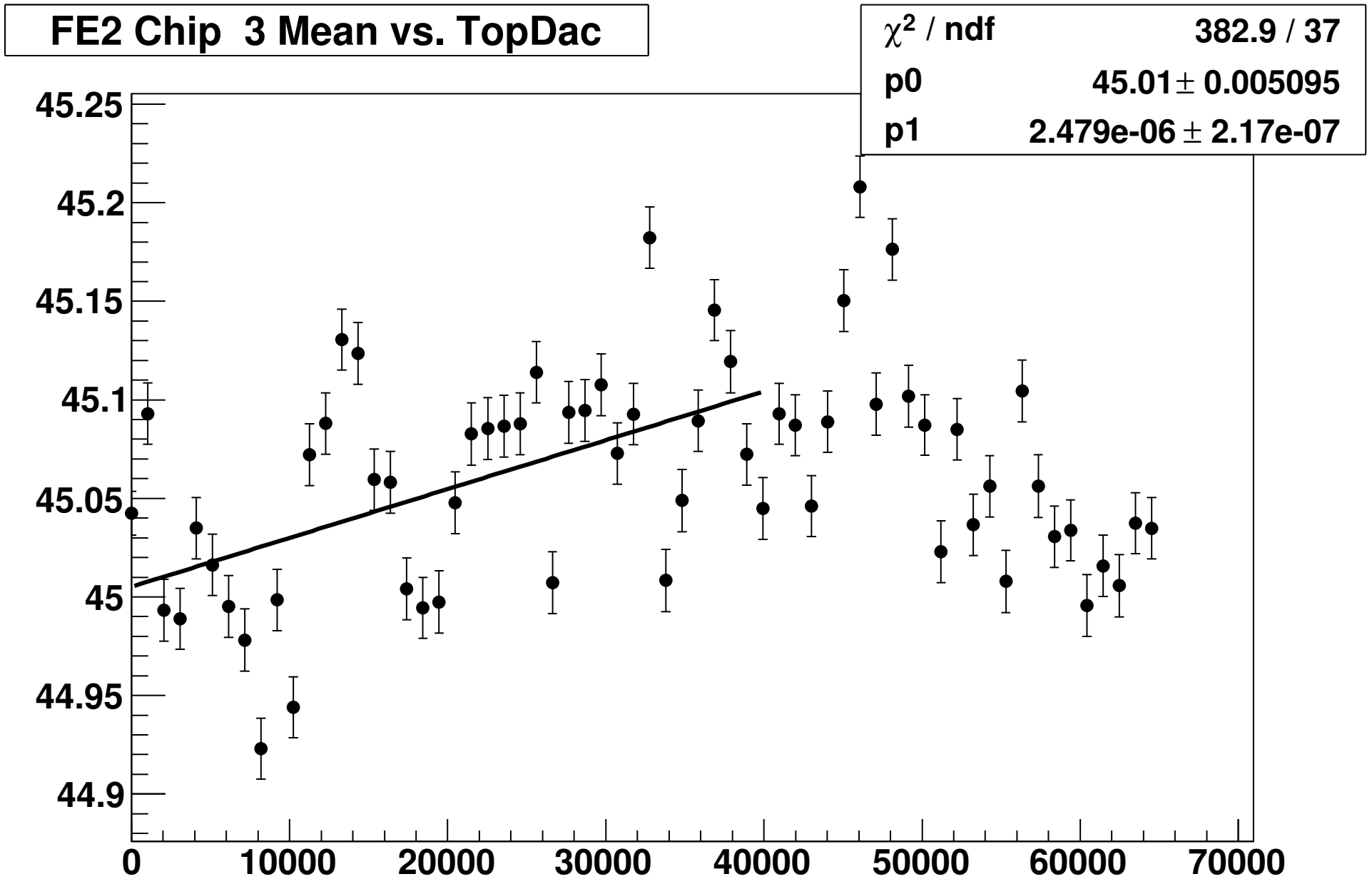
FE2 Chip 3 Mean vs. TopDac
χ² / ndf 382.9 / 37
p0 45.01 ± 0.005095
p1 2.479e-06 ± 2.17e-07
45.25
45.2
45.15
45.1
45.05
45
44.95
44.9
0
10000
20000
30000
40000
50000
60000
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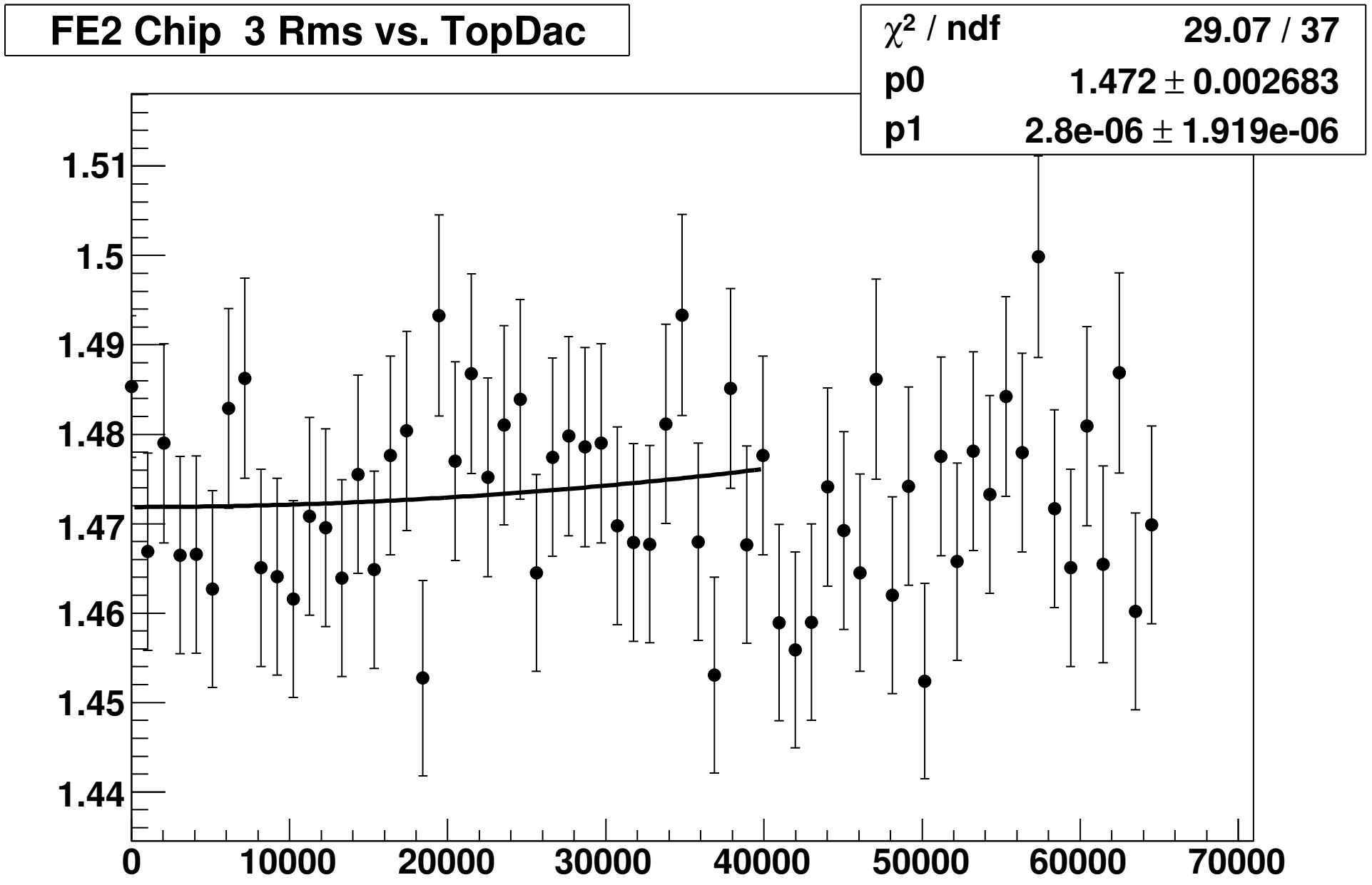
FE2 Chip 3 Rms vs. TopDac
χ² / ndf 29.07 / 37
p0 1.472 ± 0.002683
p1 2.8e-06 ± 1.919e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
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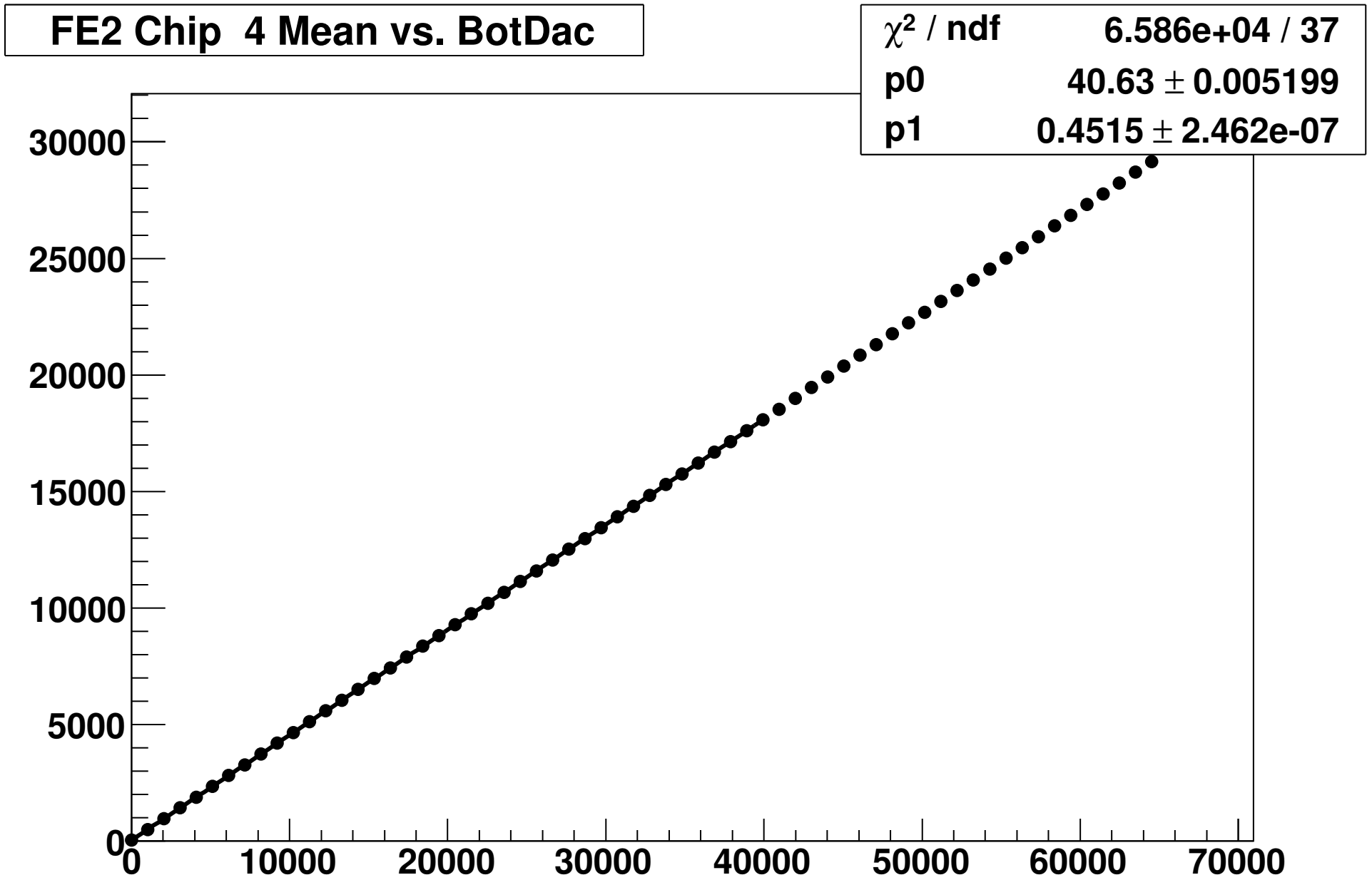
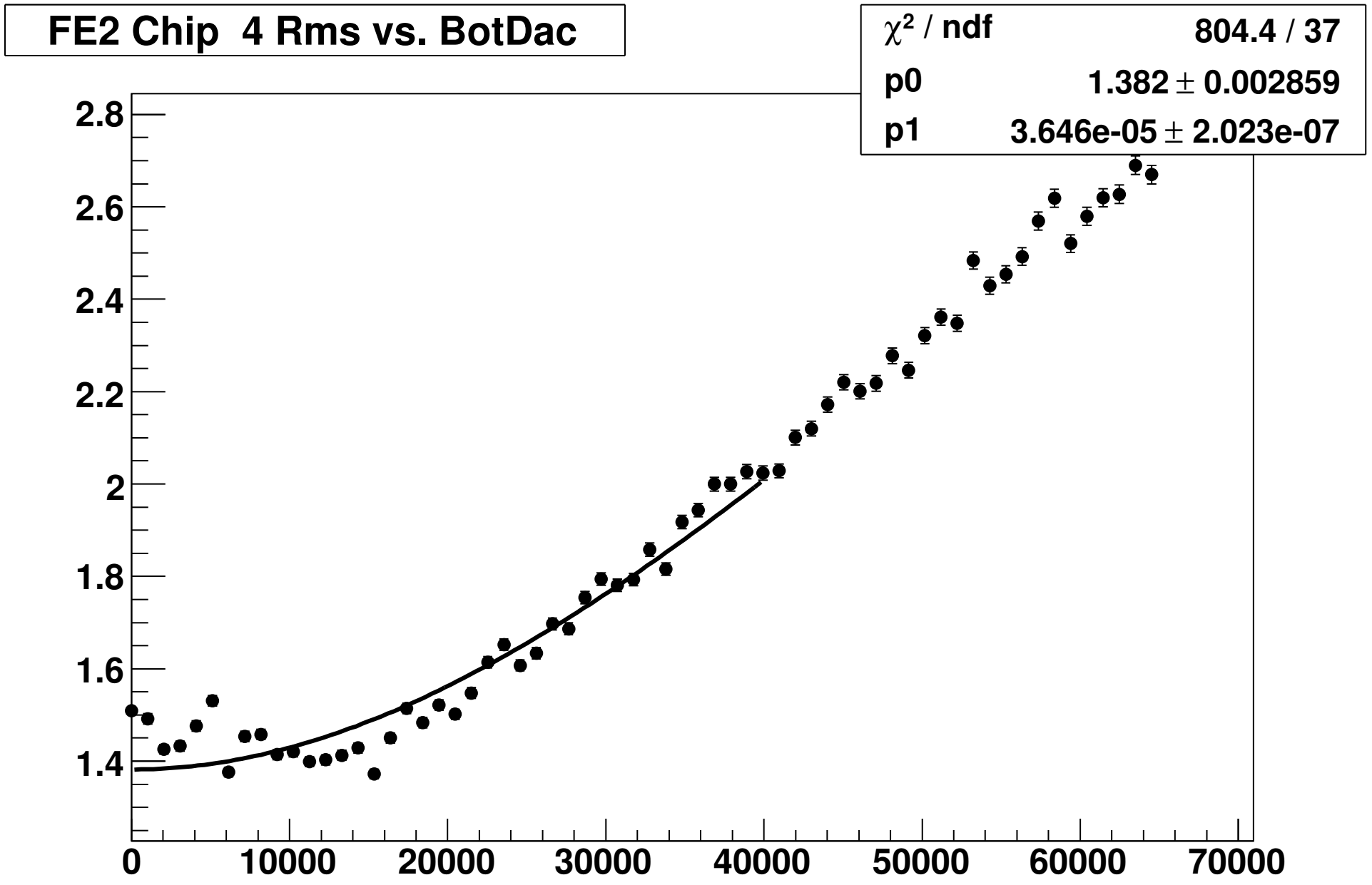
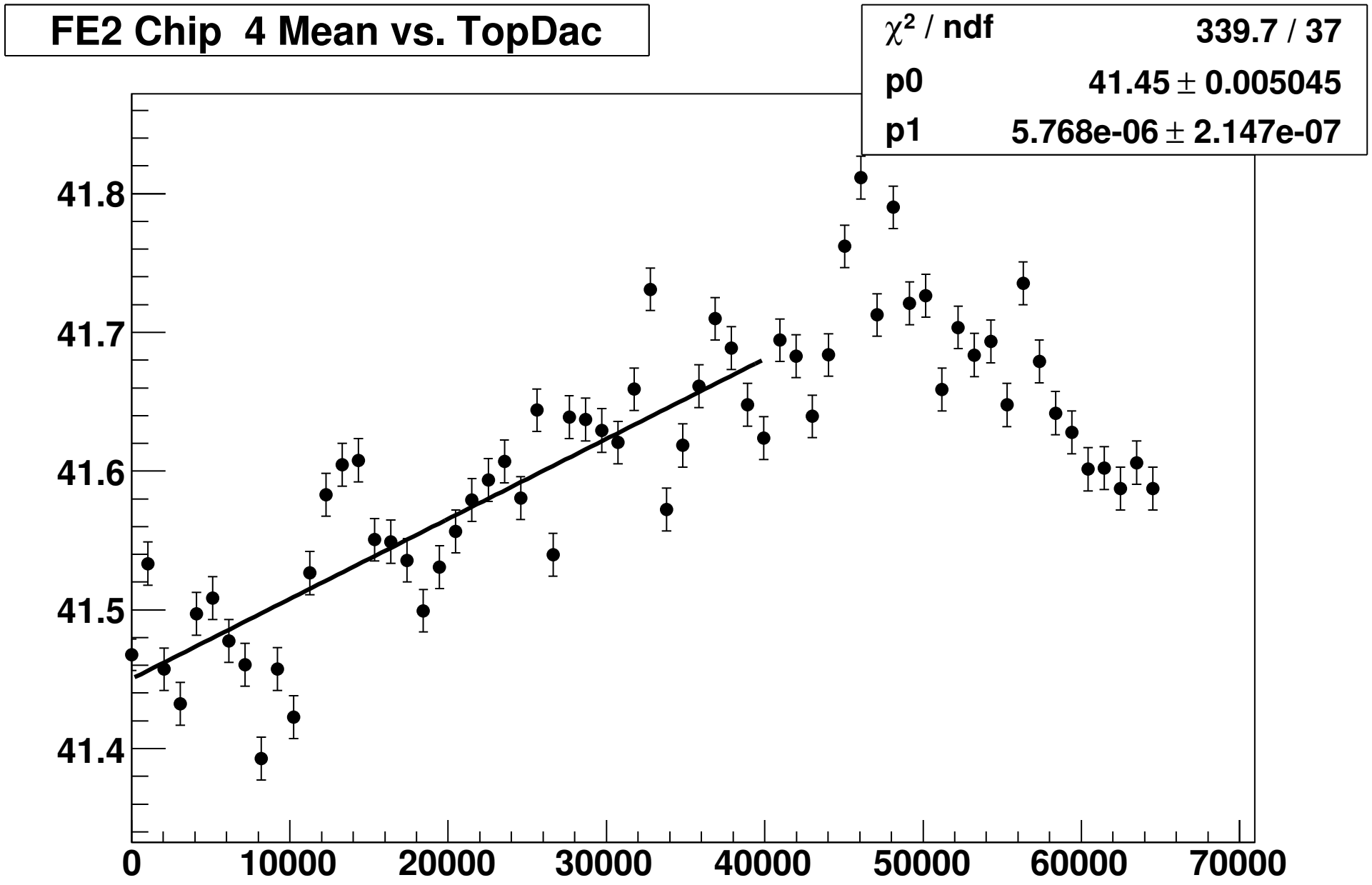
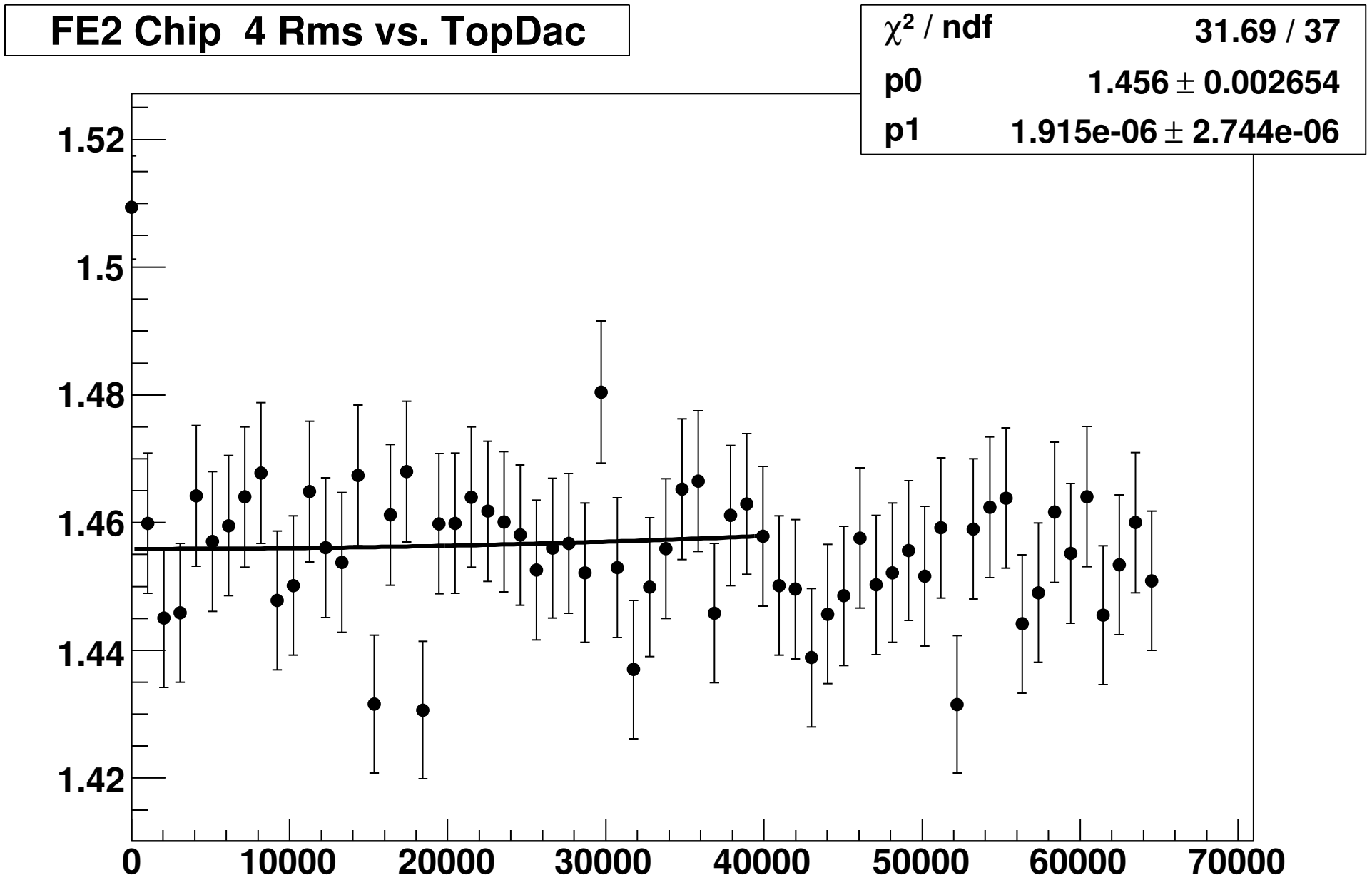
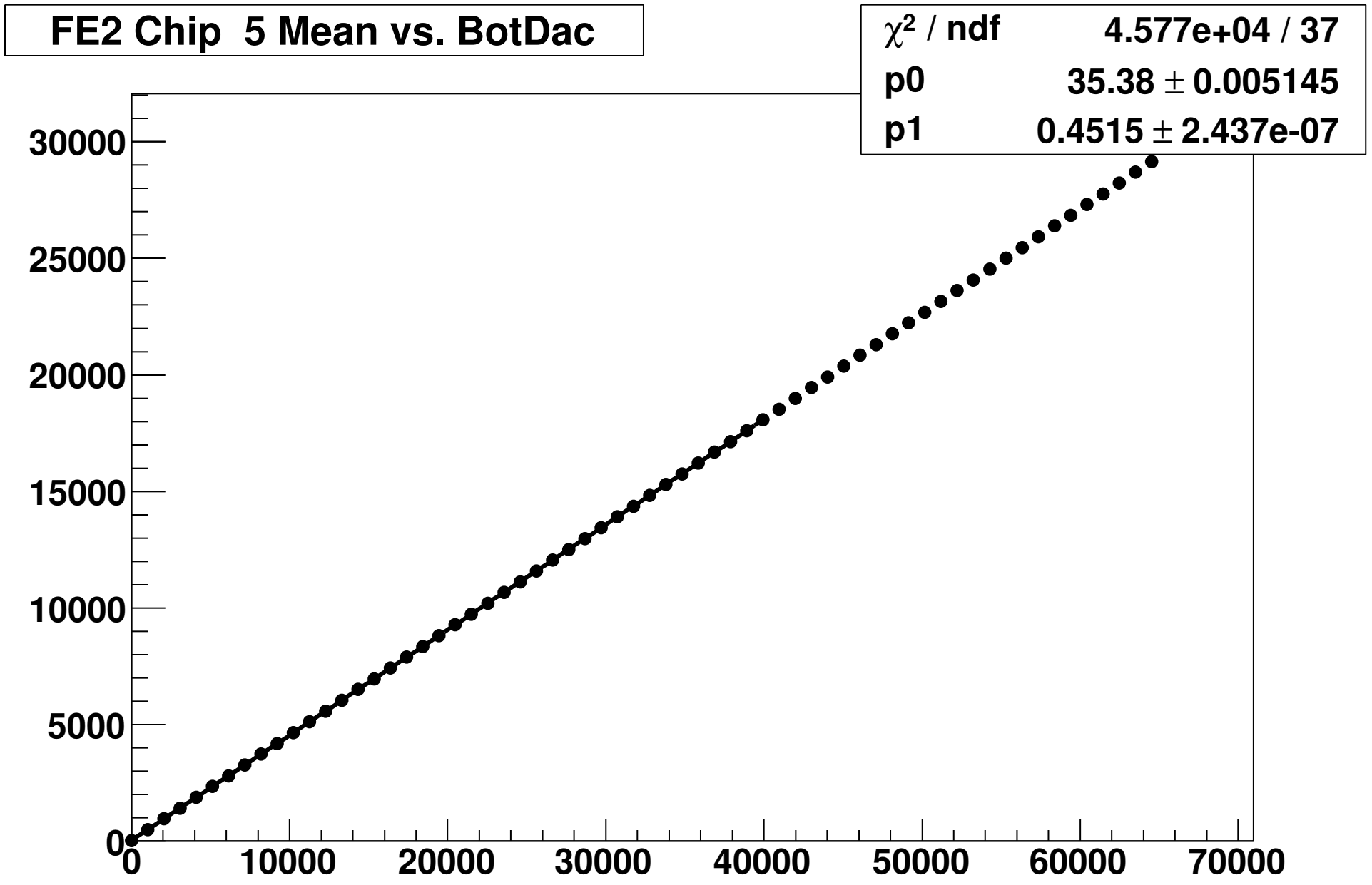
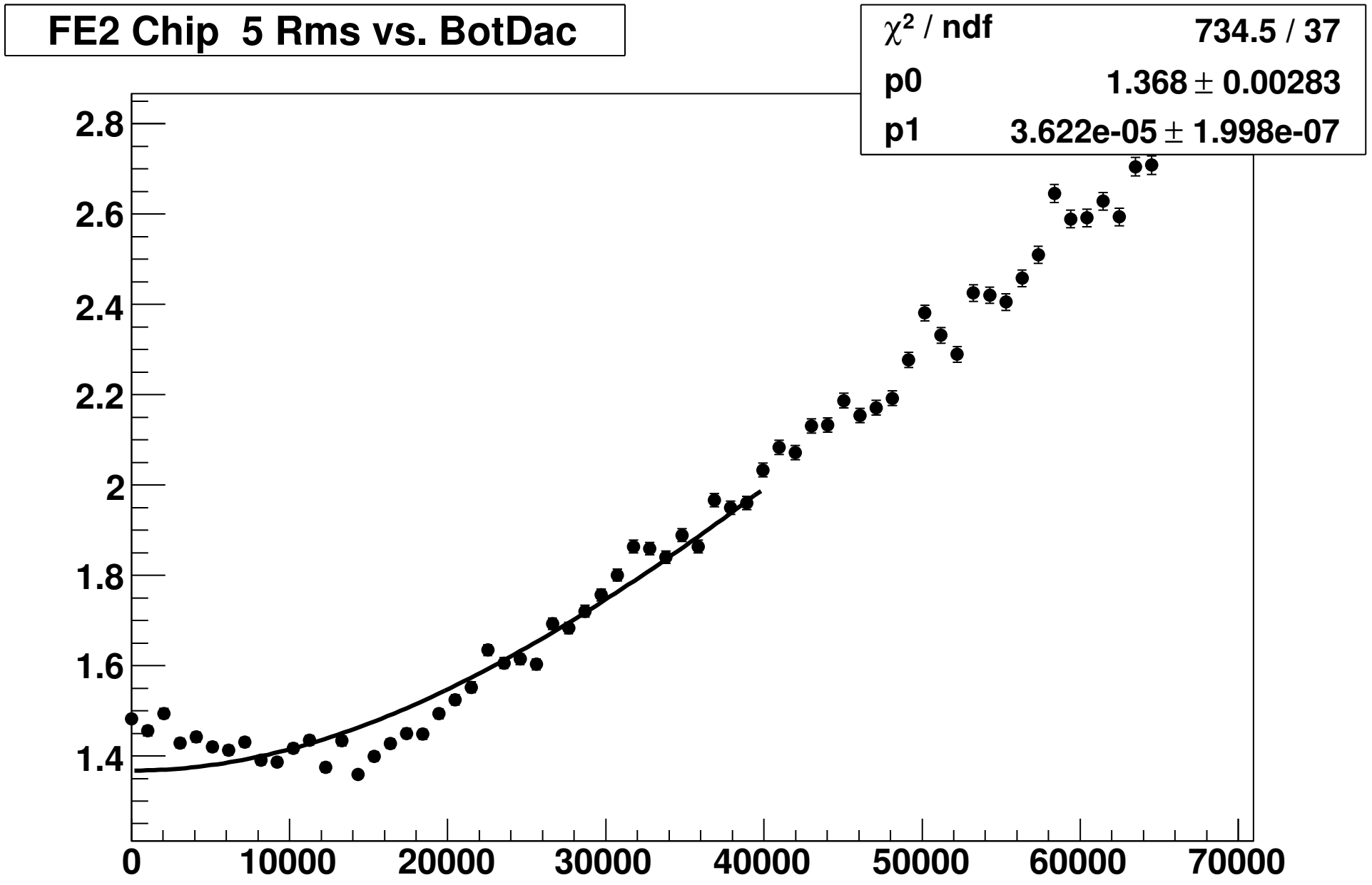

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 6.586e+04 / 37
p0 40.63 ± 0.005199
p1 0.4515 ± 2.462e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 804.4 / 37
p0 1.382 ± 0.002859
p1 3.646e-05 ± 2.023e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 339.7 / 37
p0 41.45 ± 0.005045
p1 5.768e-06 ± 2.147e-07
41.8
41.7
41.6
41.5
41.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 31.69 / 37
p0 1.456 ± 0.002654
p1 1.915e-06 ± 2.744e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 4.577e+04 / 37
p0 35.38 ± 0.005145
p1 0.4515 ± 2.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 734.5 / 37
p0 1.368 ± 0.00283
p1 3.622e-05 ± 1.998e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
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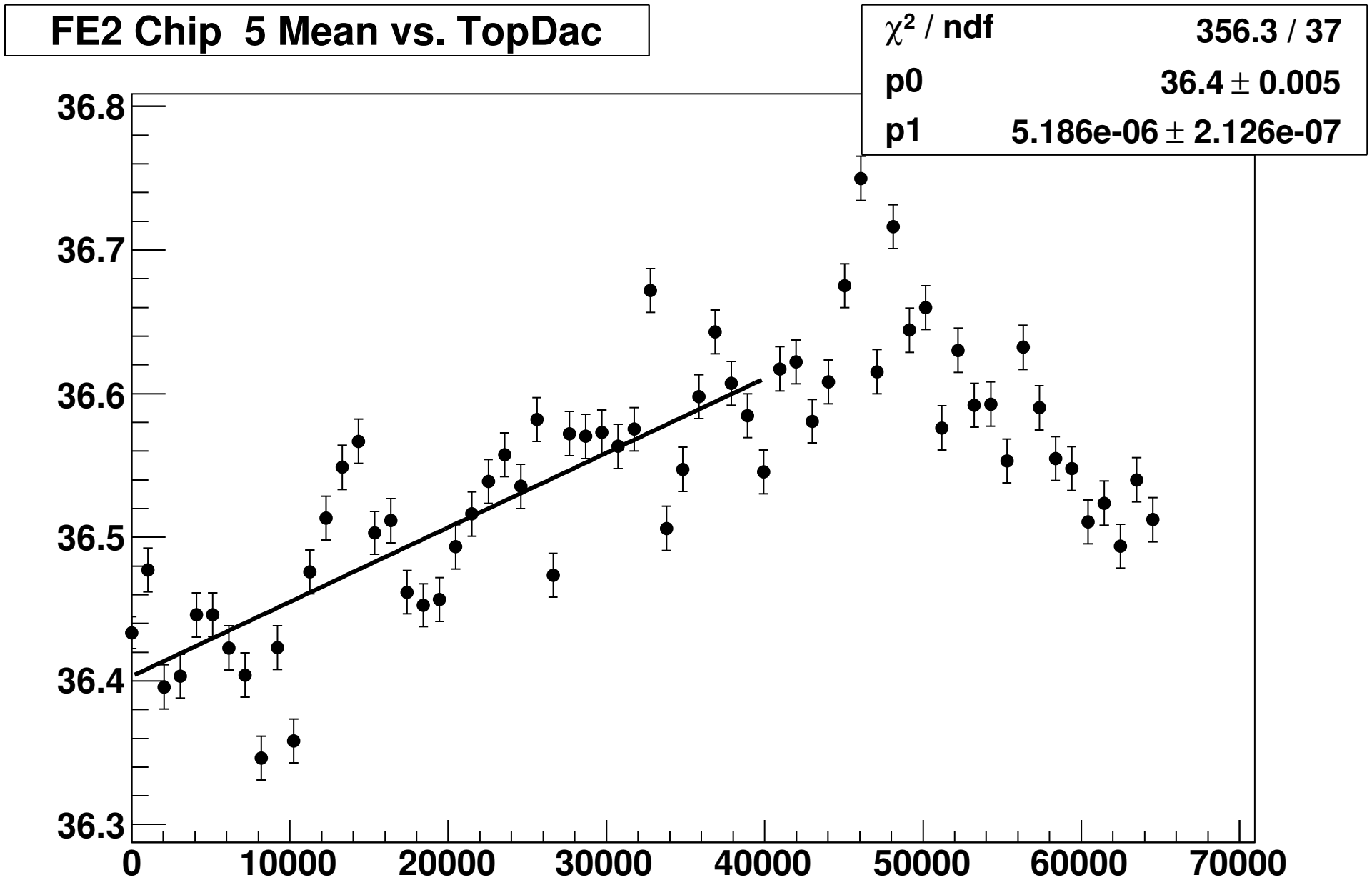
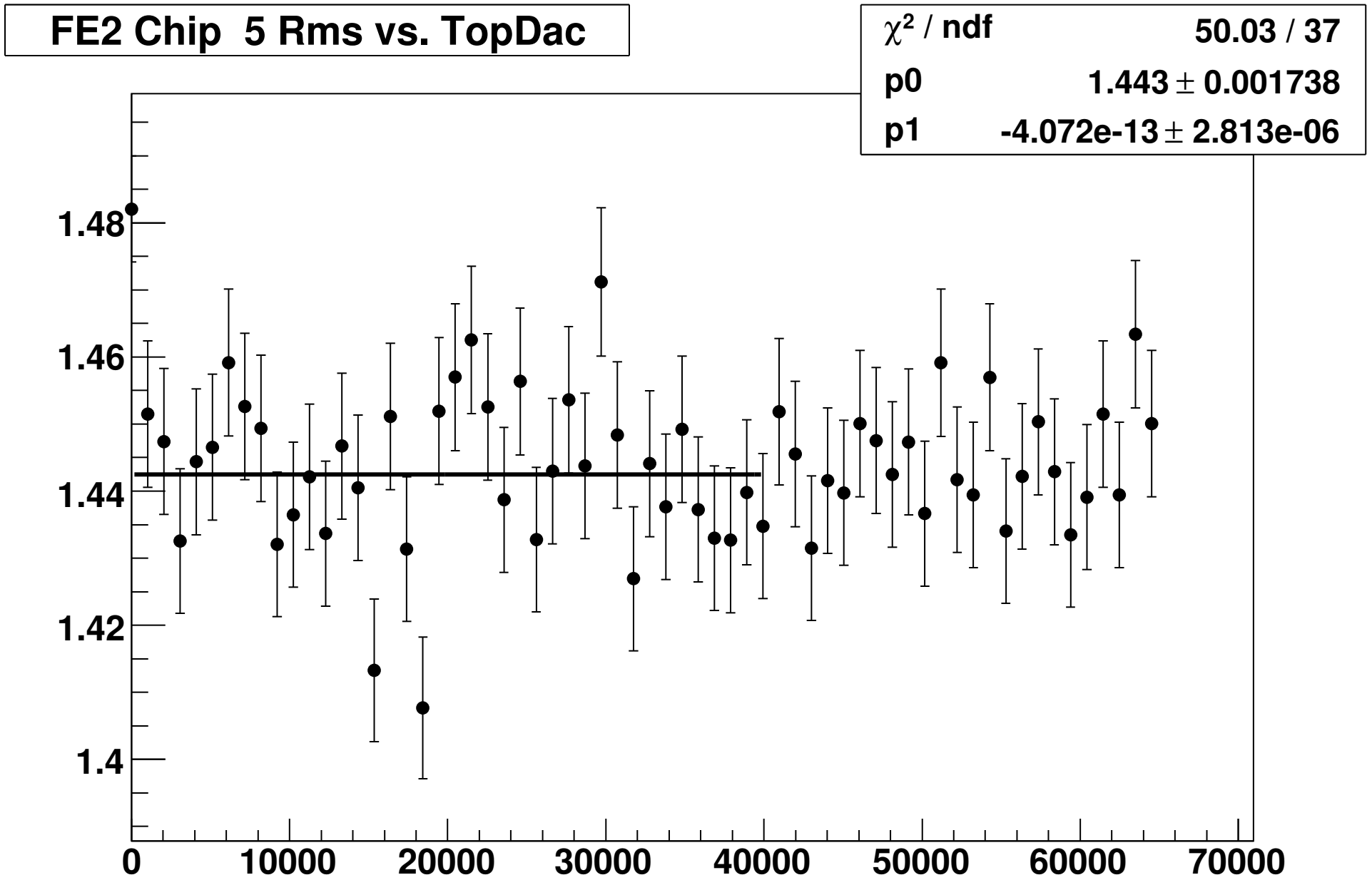
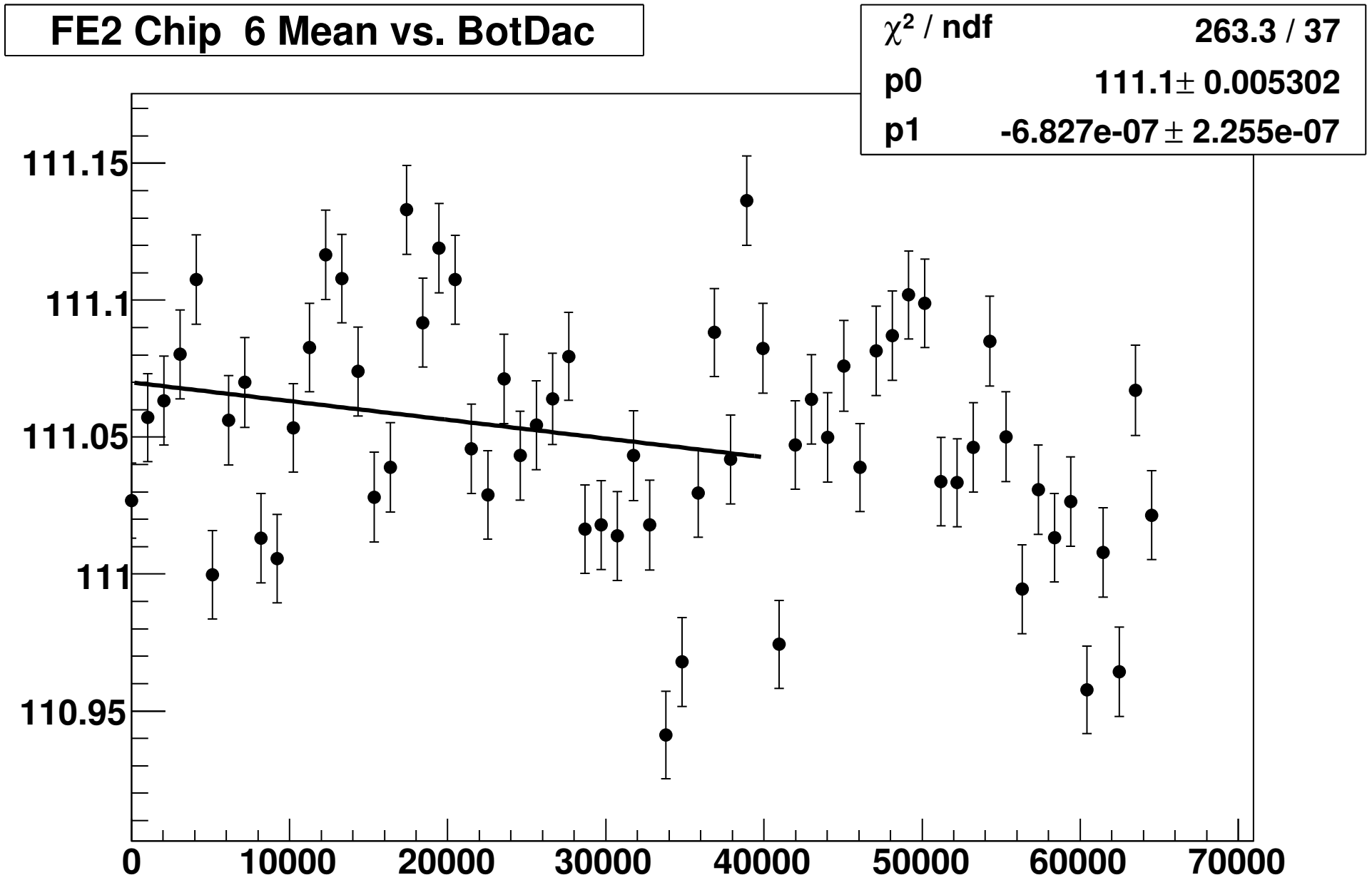
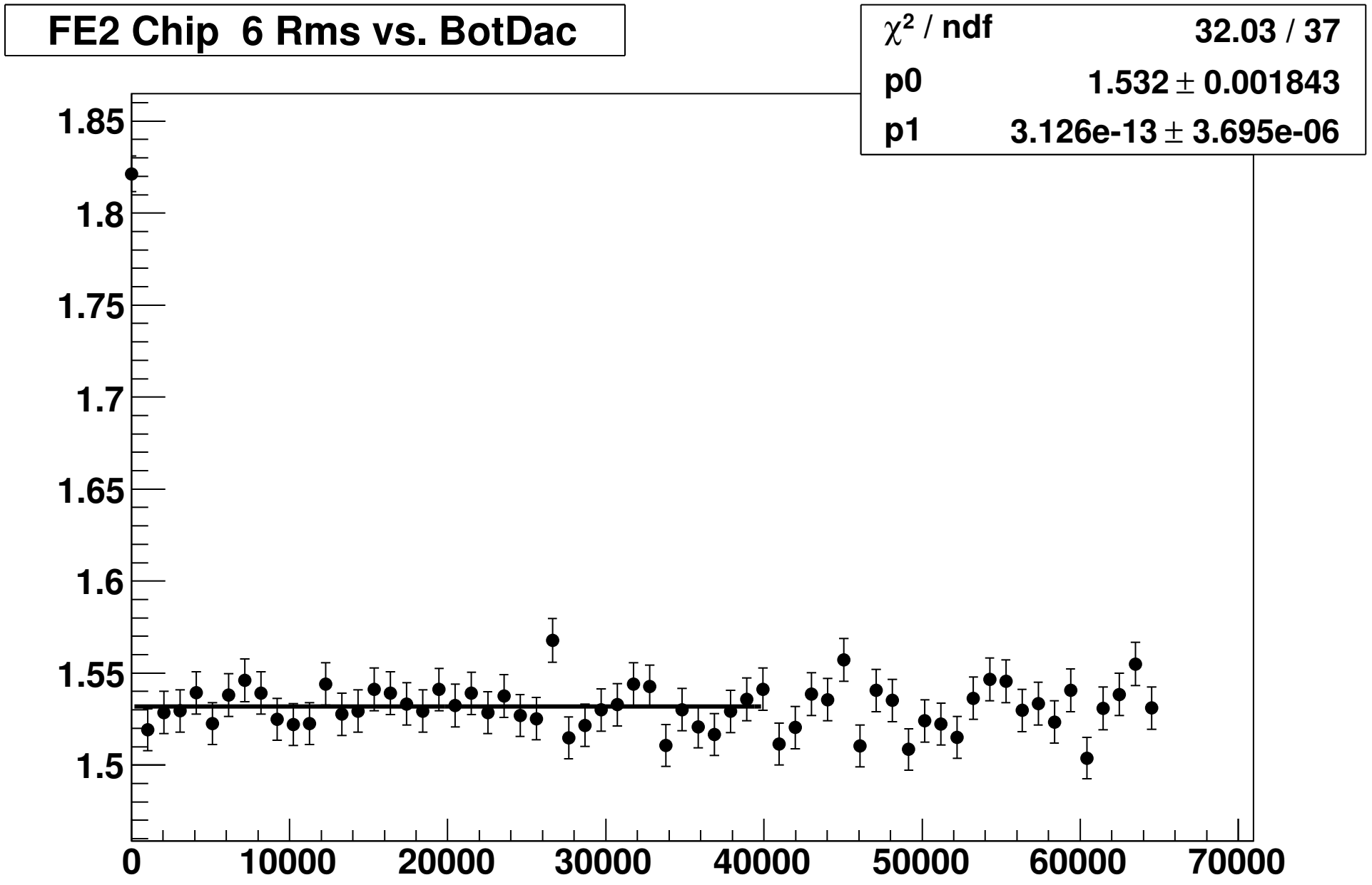
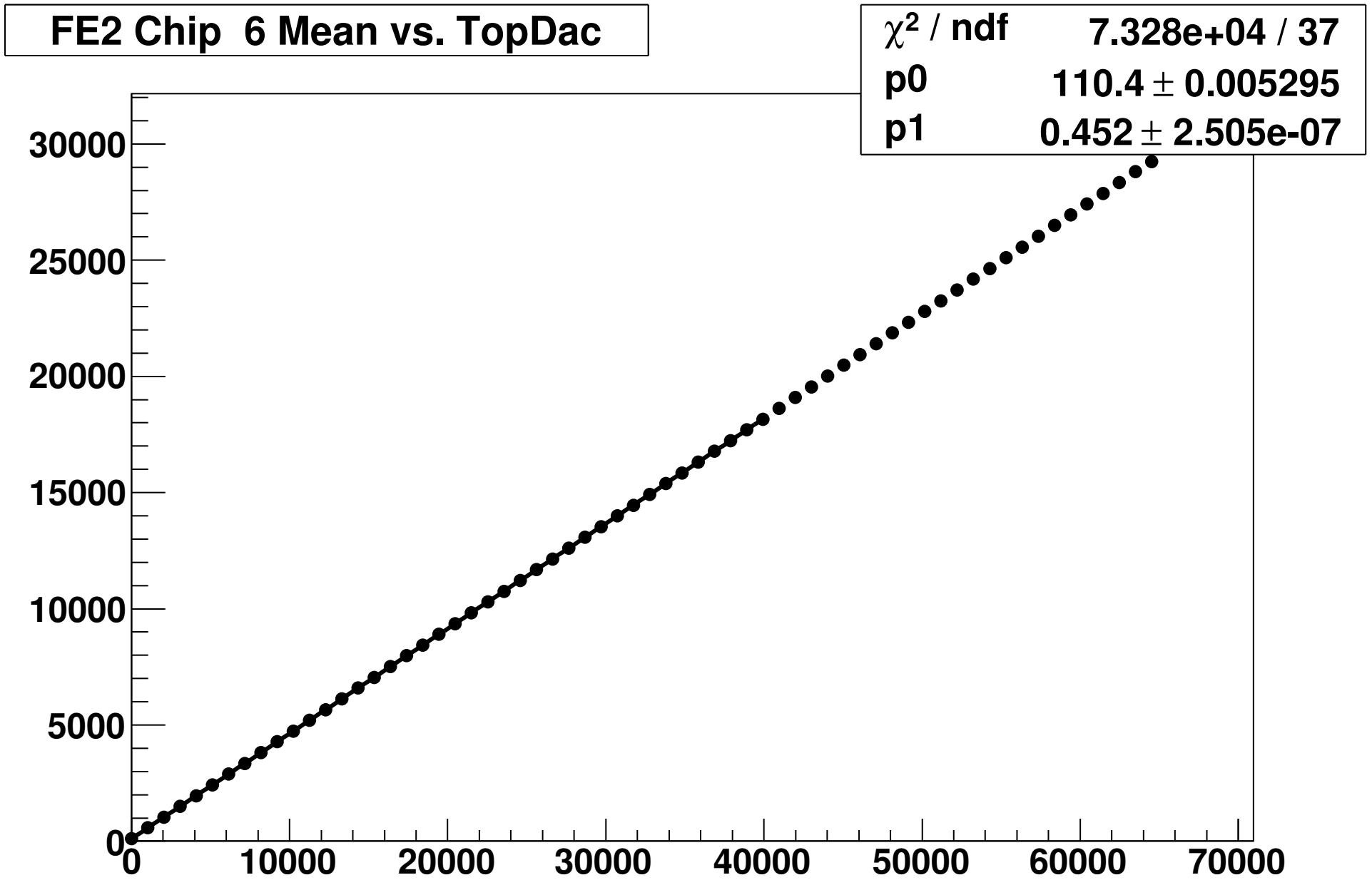
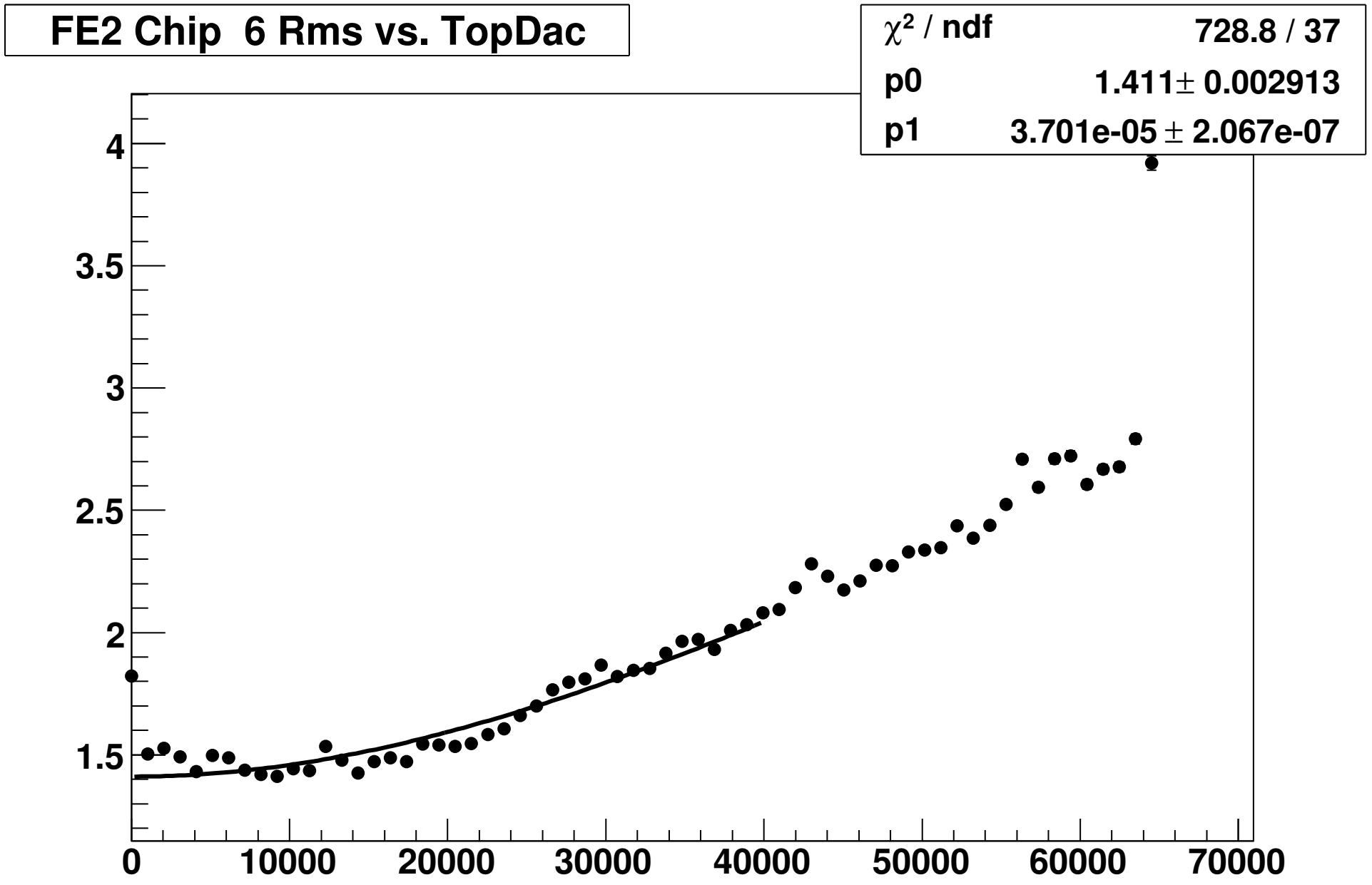

FE2 Chip 5 Mean vs. TopDac
χ² / ndf 356.3 / 37
p0 36.4 ± 0.005
p1 5.186e-06 ± 2.126e-07
36.8
36.7
36.6
36.5
36.4
36.3
0
10000
20000
30000
40000
50000
60000
70000

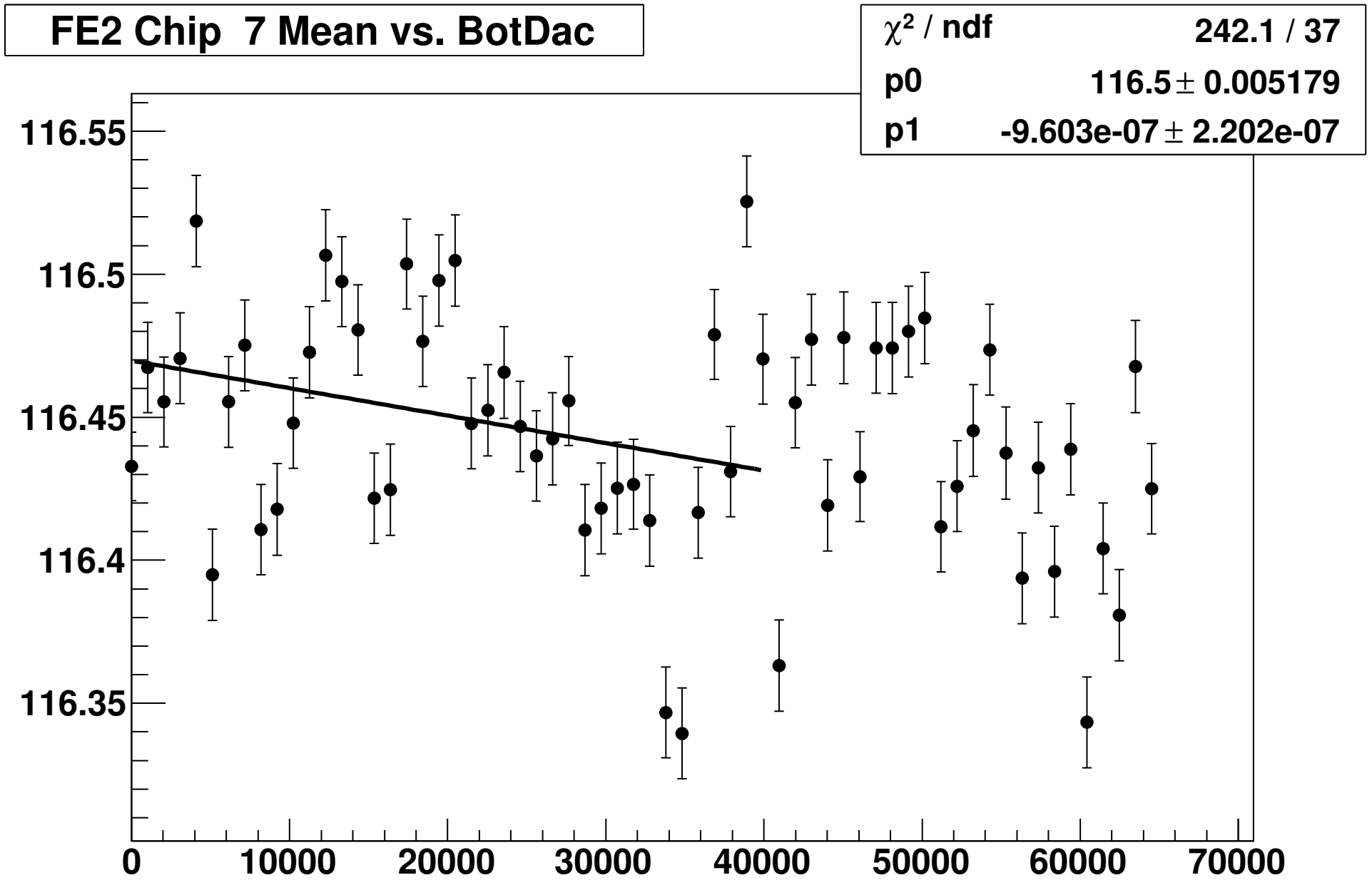

FE2 Chip 5 Rms vs. TopDac
χ² / ndf 50.03 / 37
p0 1.443 ± 0.001738
p1 -4.072e-13 ± 2.813e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

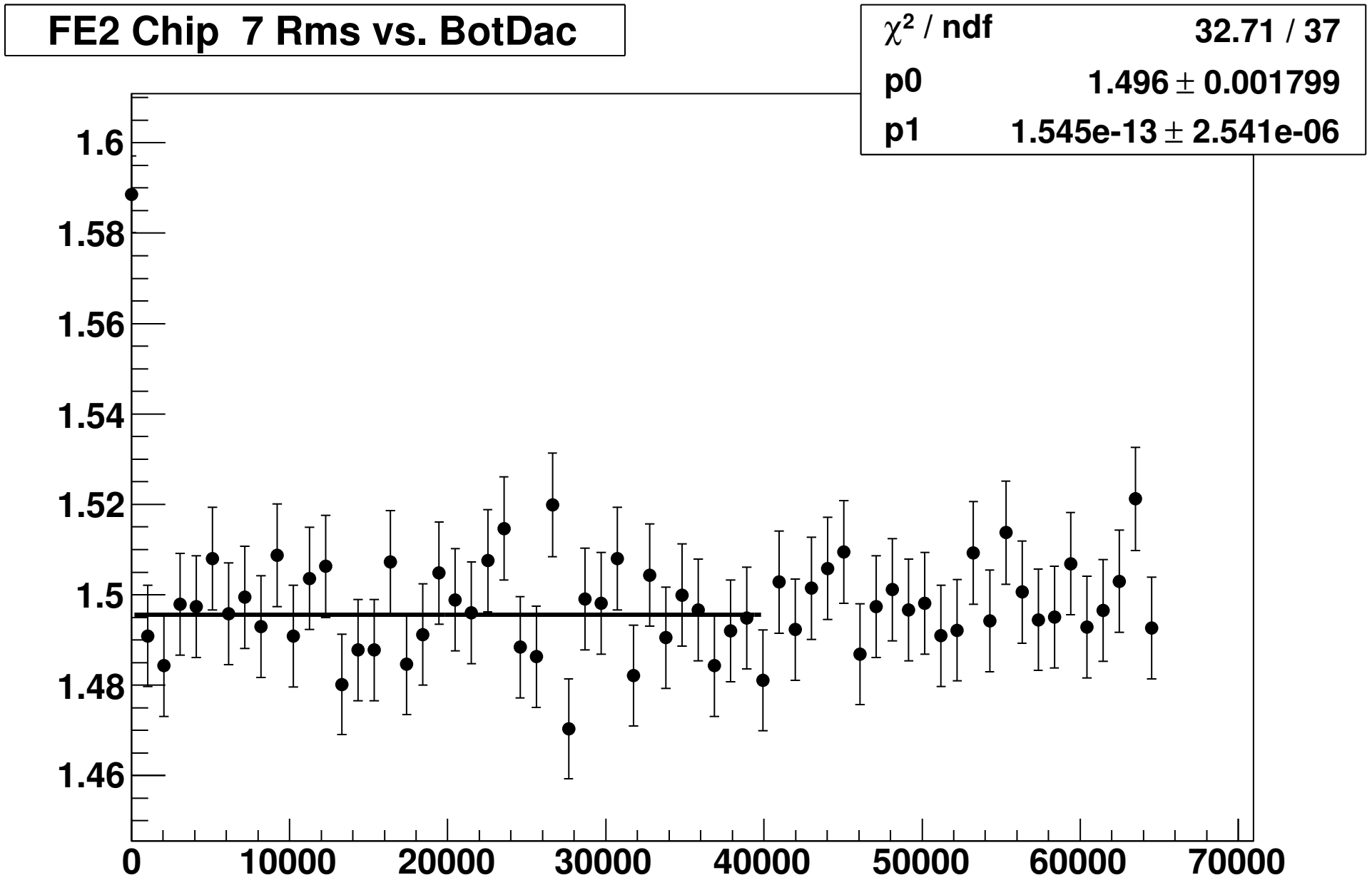

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 263.3 / 37
p0 111.1 ± 0.005302
p1 -6.827e-07 ± 2.255e-07
111.15
111.1
111.05
111
110.95
0
10000
20000
30000
40000
50000
60000
70000

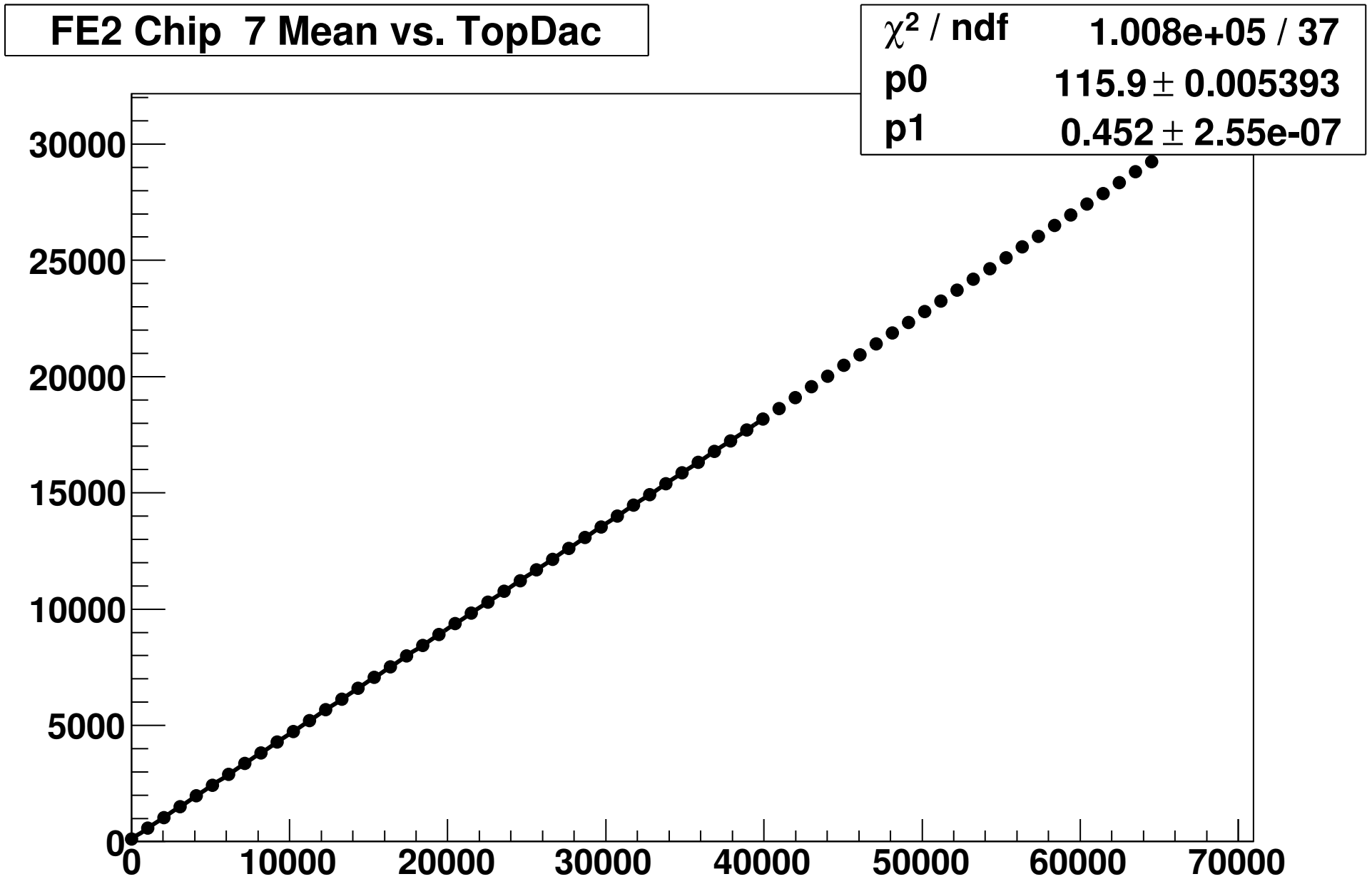

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 32.03 / 37
p0 1.532 ± 0.001843
p1 3.126e-13 ± 3.695e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000

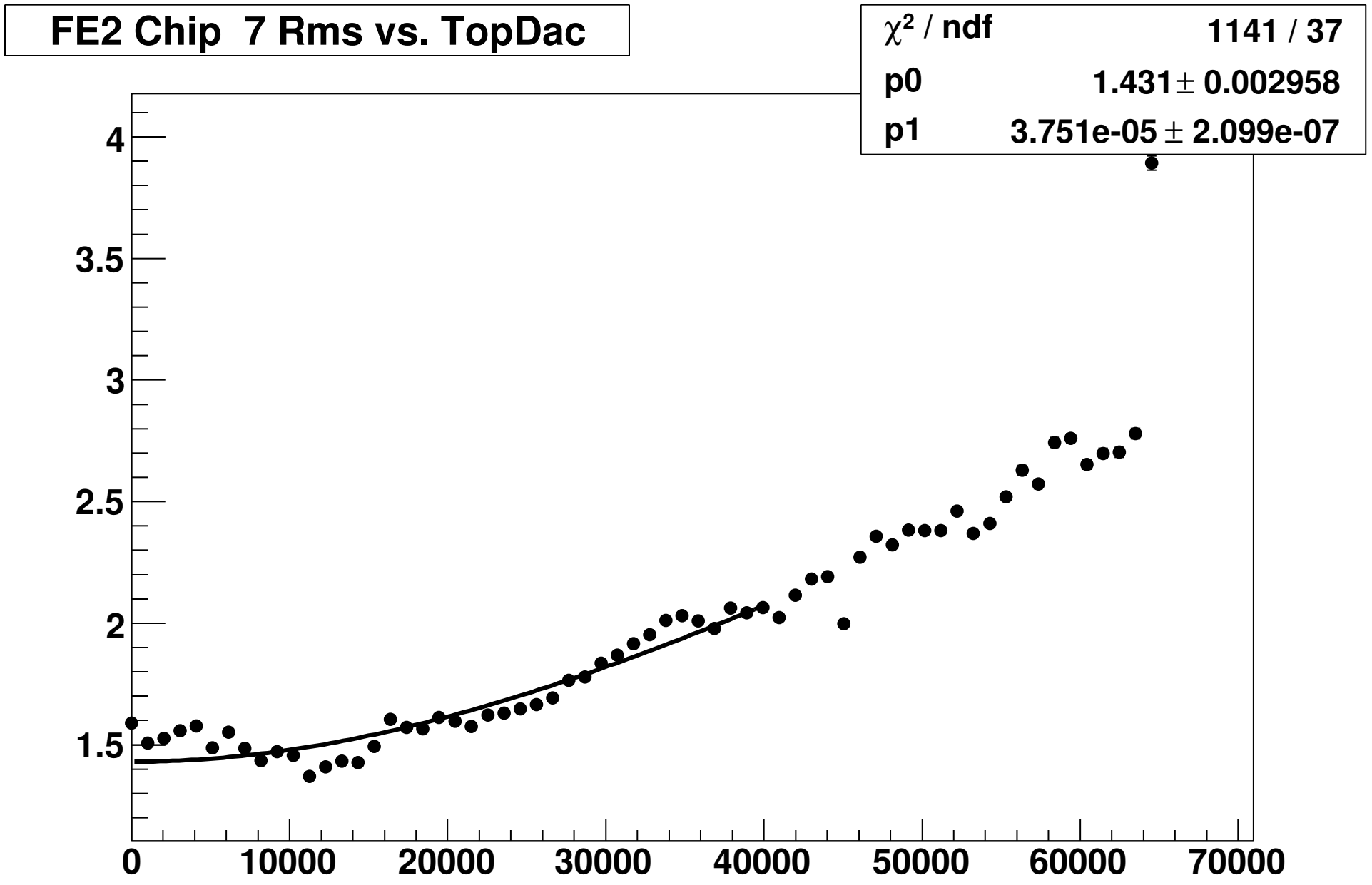

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 7.328e+04 / 37
p0 110.4 ± 0.005295
p1 0.452 ± 2.505e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

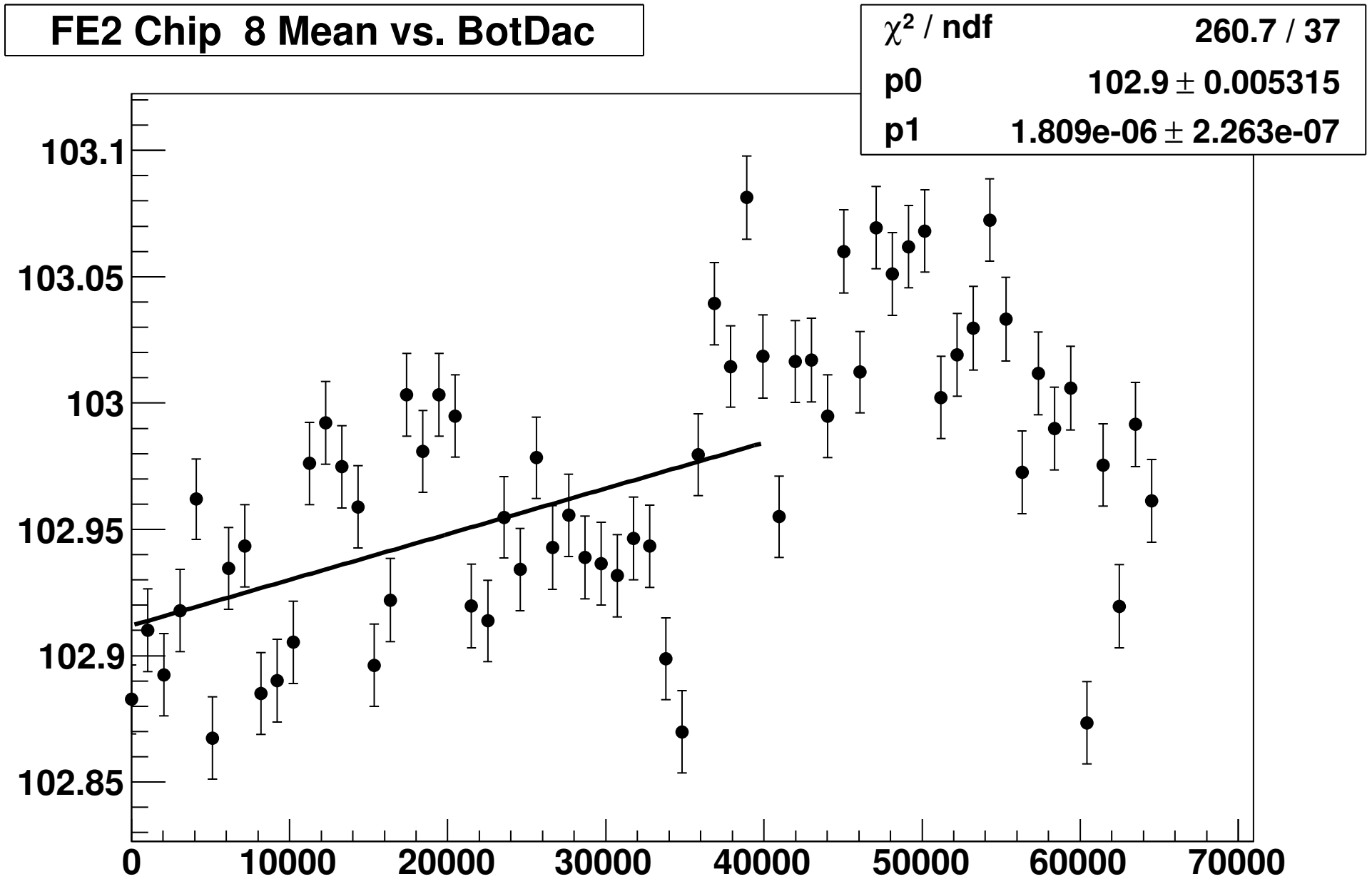

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 728.8 / 37
p0 1.411 ± 0.002913
p1 3.701e-05 ± 2.067e-07
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

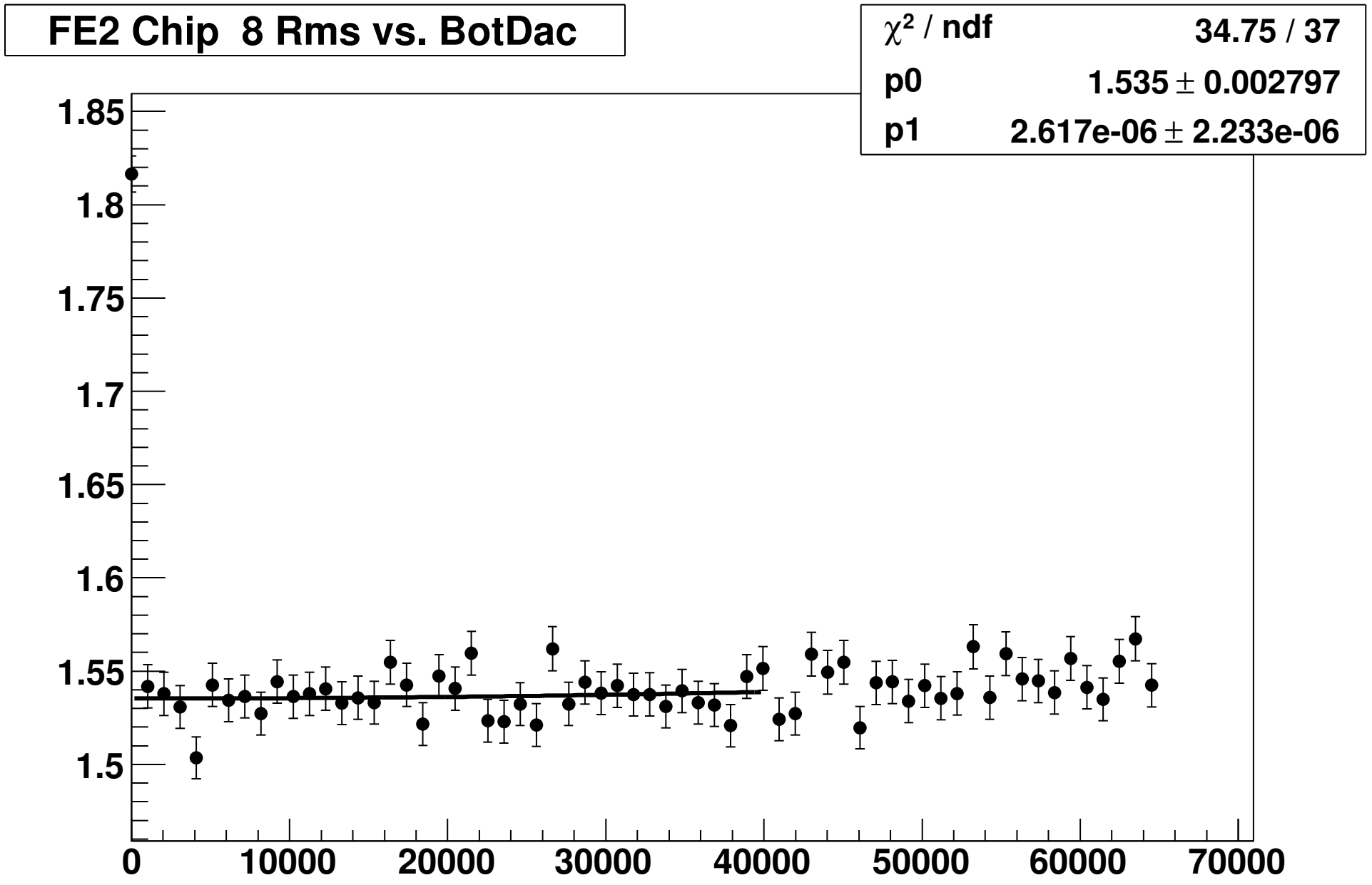

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 242.1 / 37
p0 116.5 ± 0.005179
p1 -9.603e-07 ± 2.202e-07
116.55
116.5
116.45
116.4
116.35
0
10000
20000
30000
40000
50000
60000
70000

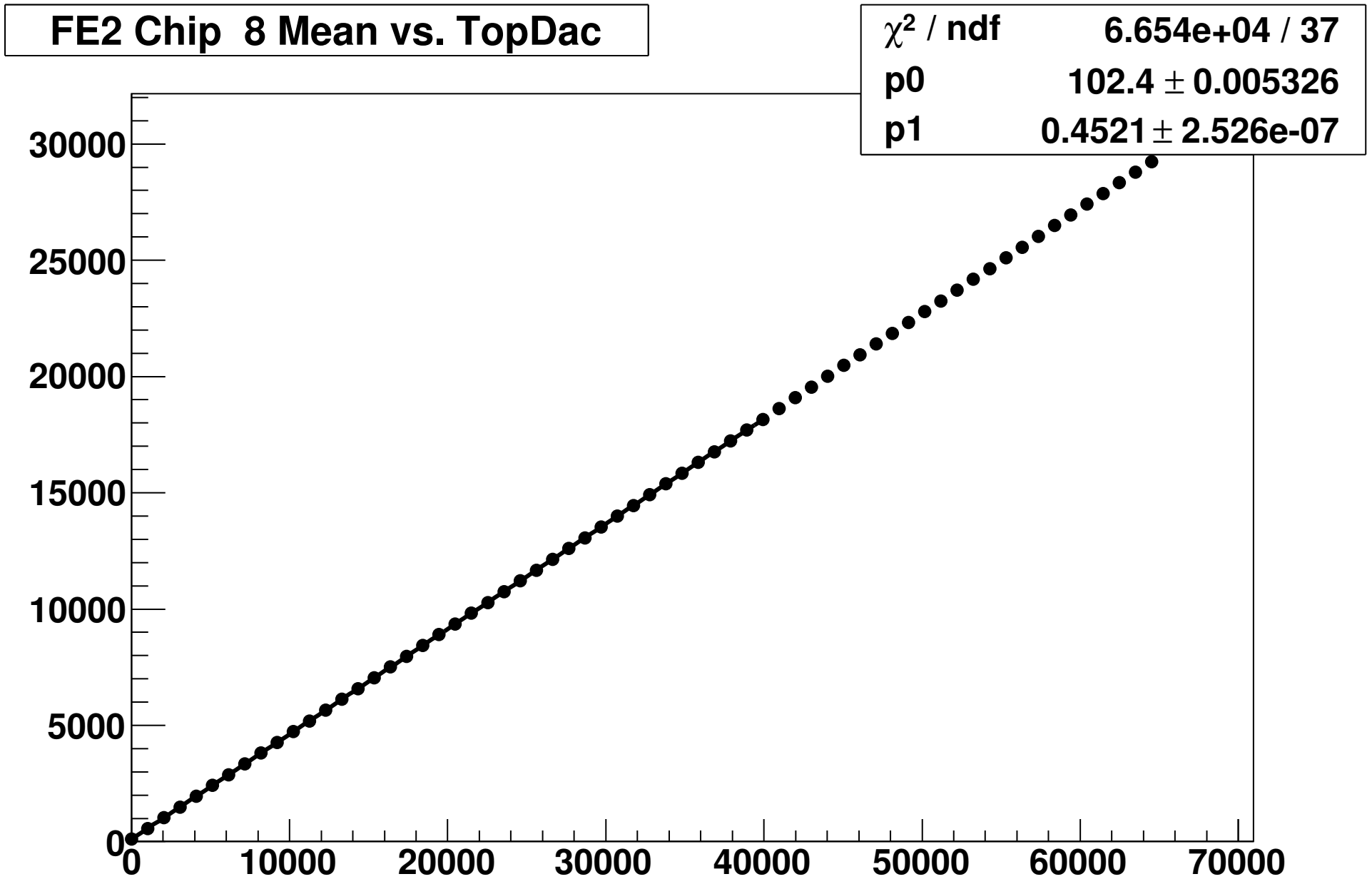

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 32.71 / 37
p0 1.496 ± 0.001799
p1 1.545e-13 ± 2.541e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.008e+05 / 37
p0 115.9 ± 0.005393
p1 0.452 ± 2.55e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1141 / 37
p0 1.431 ± 0.002958
p1 3.751e-05 ± 2.099e-07
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 260.7 / 37
p0 102.9 ± 0.005315
p1 1.809e-06 ± 2.263e-07
103.1
103.05
103
102.95
102.9
102.85
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 34.75 / 37
p0 1.535 ± 0.002797
p1 2.617e-06 ± 2.233e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 6.654e+04 / 37
p0 102.4 ± 0.005326
p1 0.4521 ± 2.526e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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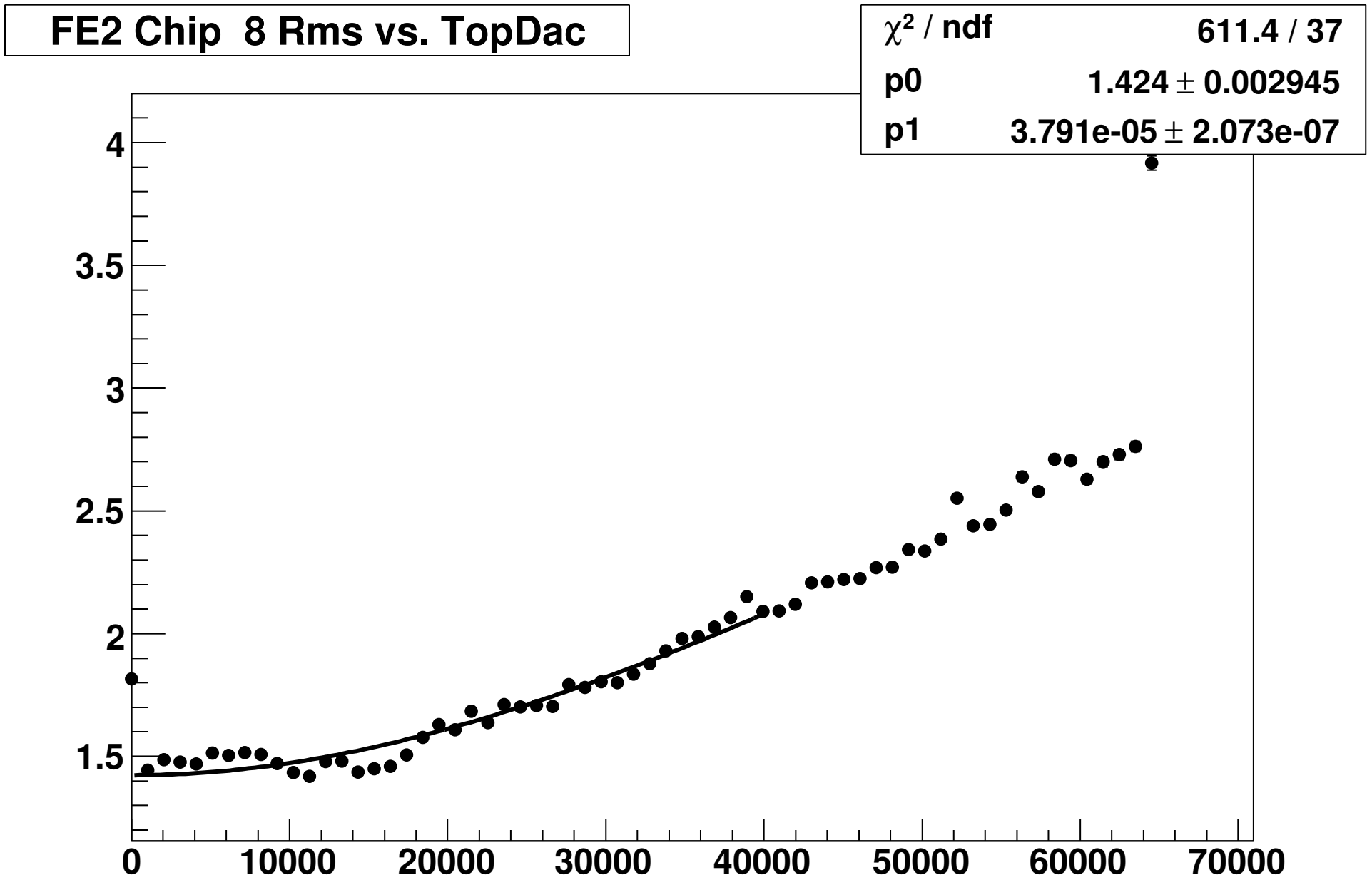
FE2 Chip 8 Rms vs. TopDac
χ² / ndf 611.4 / 37
p0 1.424 ± 0.002945
p1 3.791e-05 ± 2.073e-07
4
3.5
3
2.5
2
1.5
0
10000
20000
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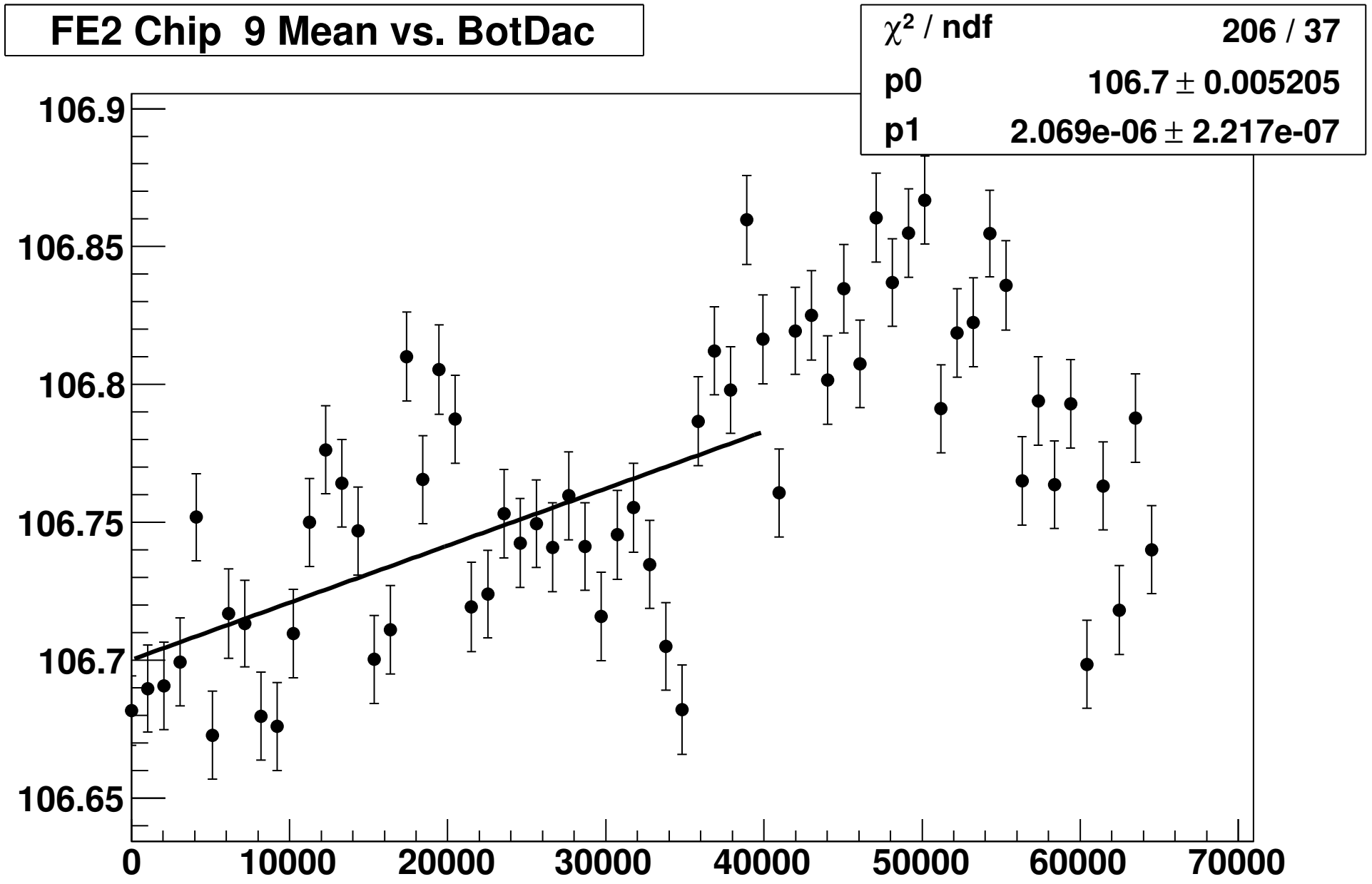
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 206 / 37
p0 106.7 ± 0.005205
p1 2.069e-06 ± 2.217e-07
106.9
106.85
106.8
106.75
106.7
106.65
0
10000
20000
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60000
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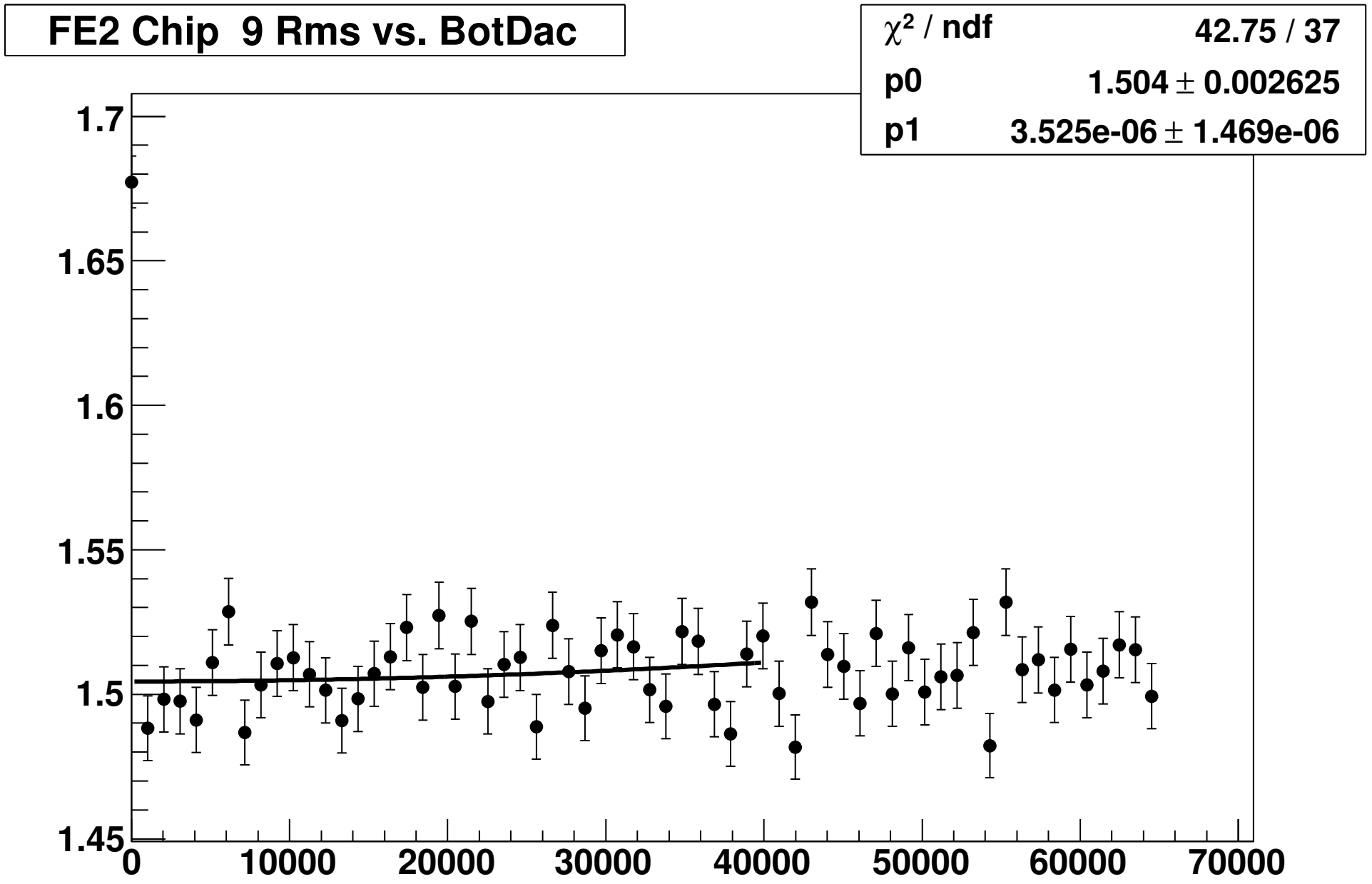
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 42.75 / 37
p0 1.504 ± 0.002625
p1 3.525e-06 ± 1.469e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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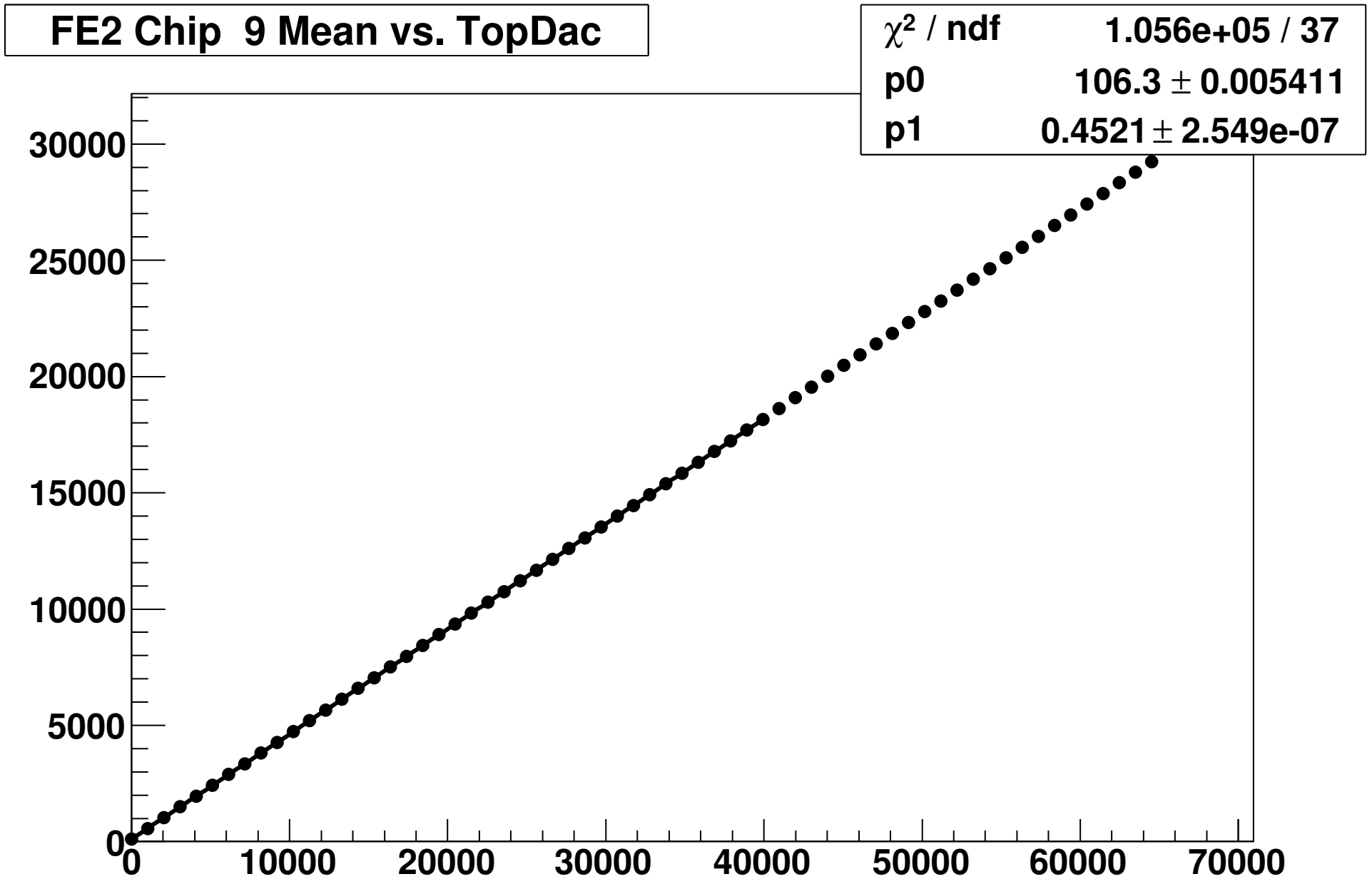
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 1.056e+05 / 37
p0 106.3 ± 0.005411
p1 0.4521 ± 2.549e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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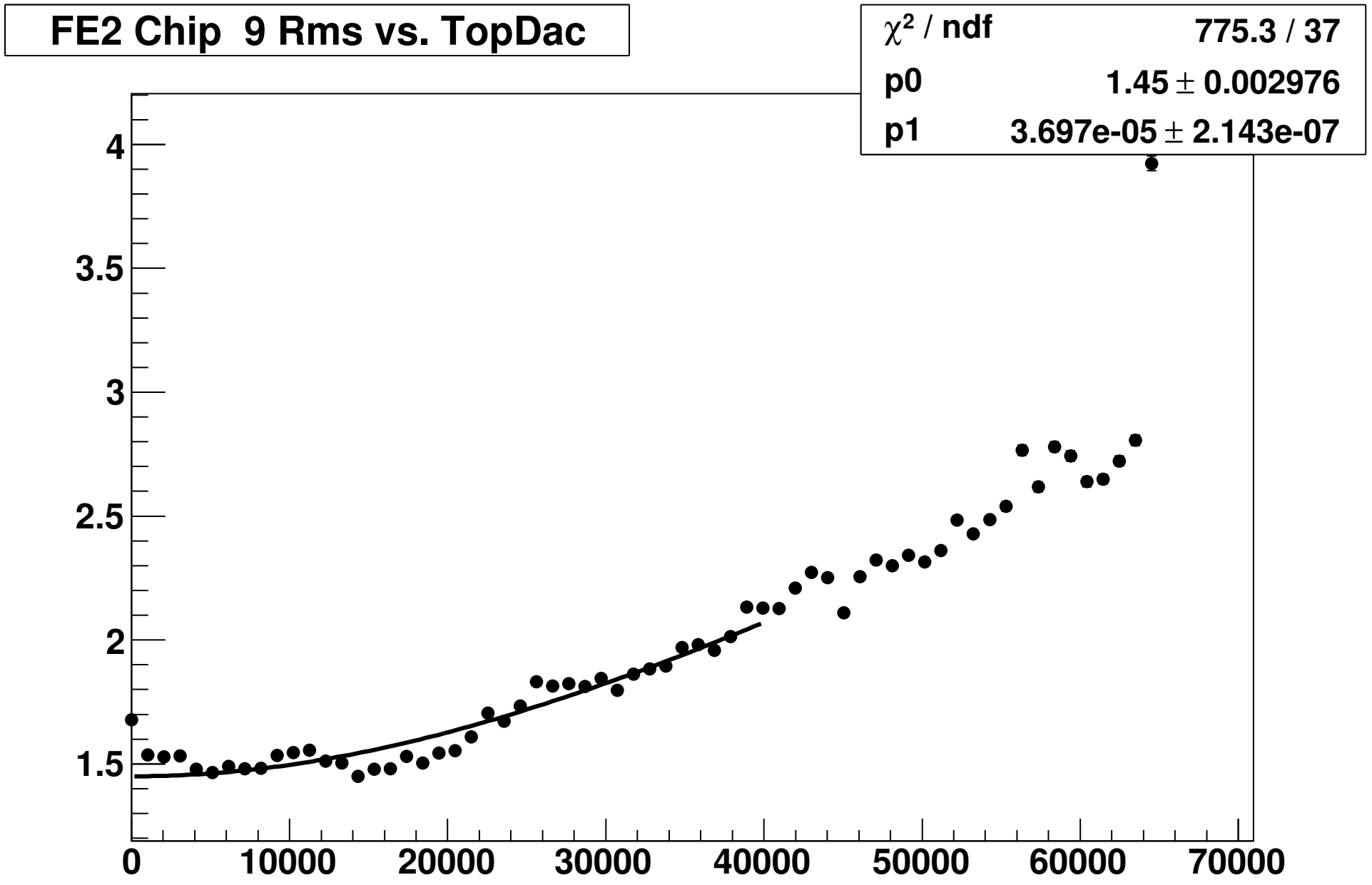
FE2 Chip 9 Rms vs. TopDac
χ² / ndf 775.3 / 37
p0 1.45 ± 0.002976
p1 3.697e-05 ± 2.143e-07
4
3.5
3
2.5
2
1.5
0
10000
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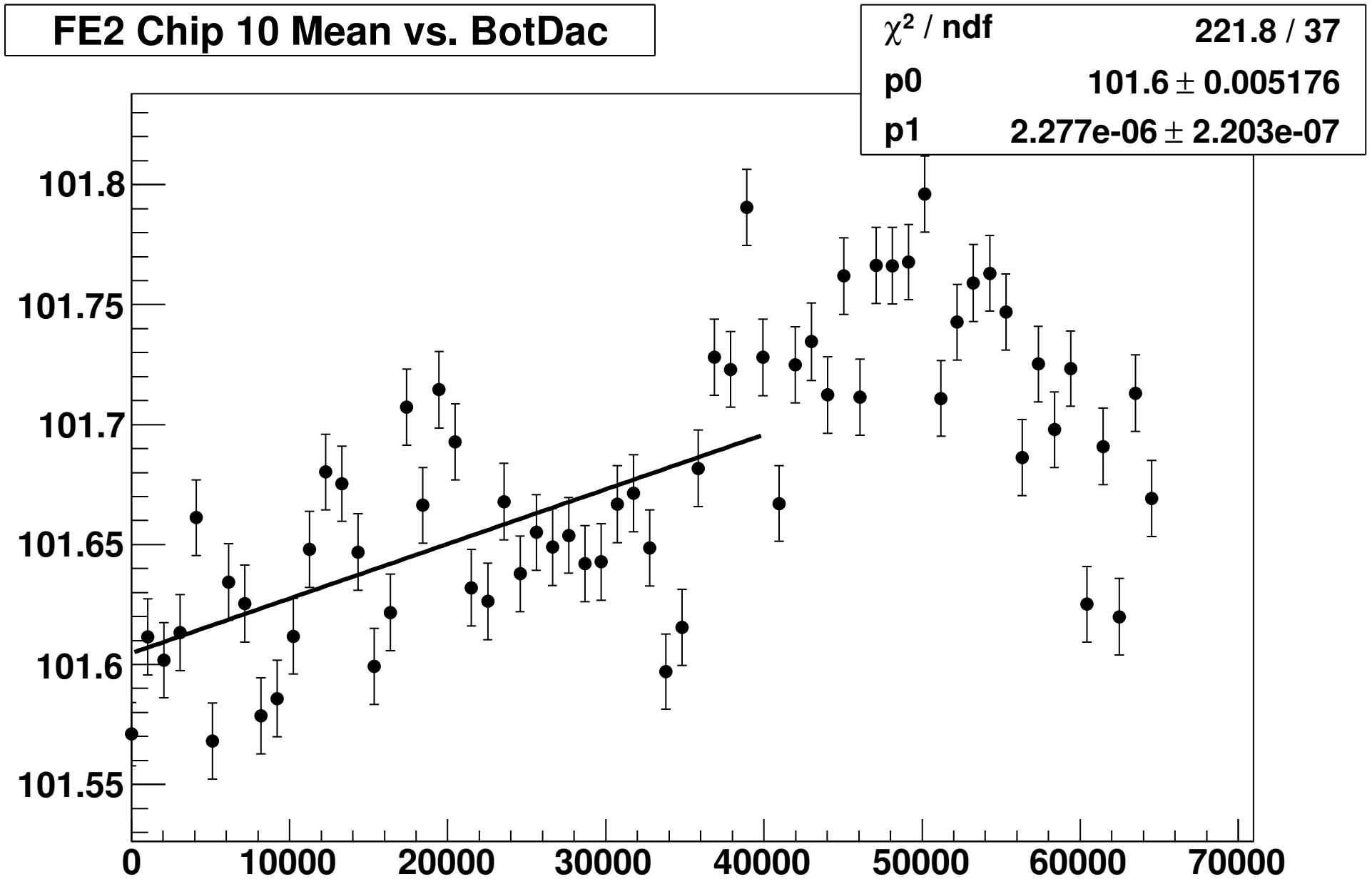
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 221.8 / 37
p0 101.6 ± 0.005176
p1 2.277e-06 ± 2.203e-07
101.8
101.75
101.7
101.65
101.6
101.55
0
10000
20000
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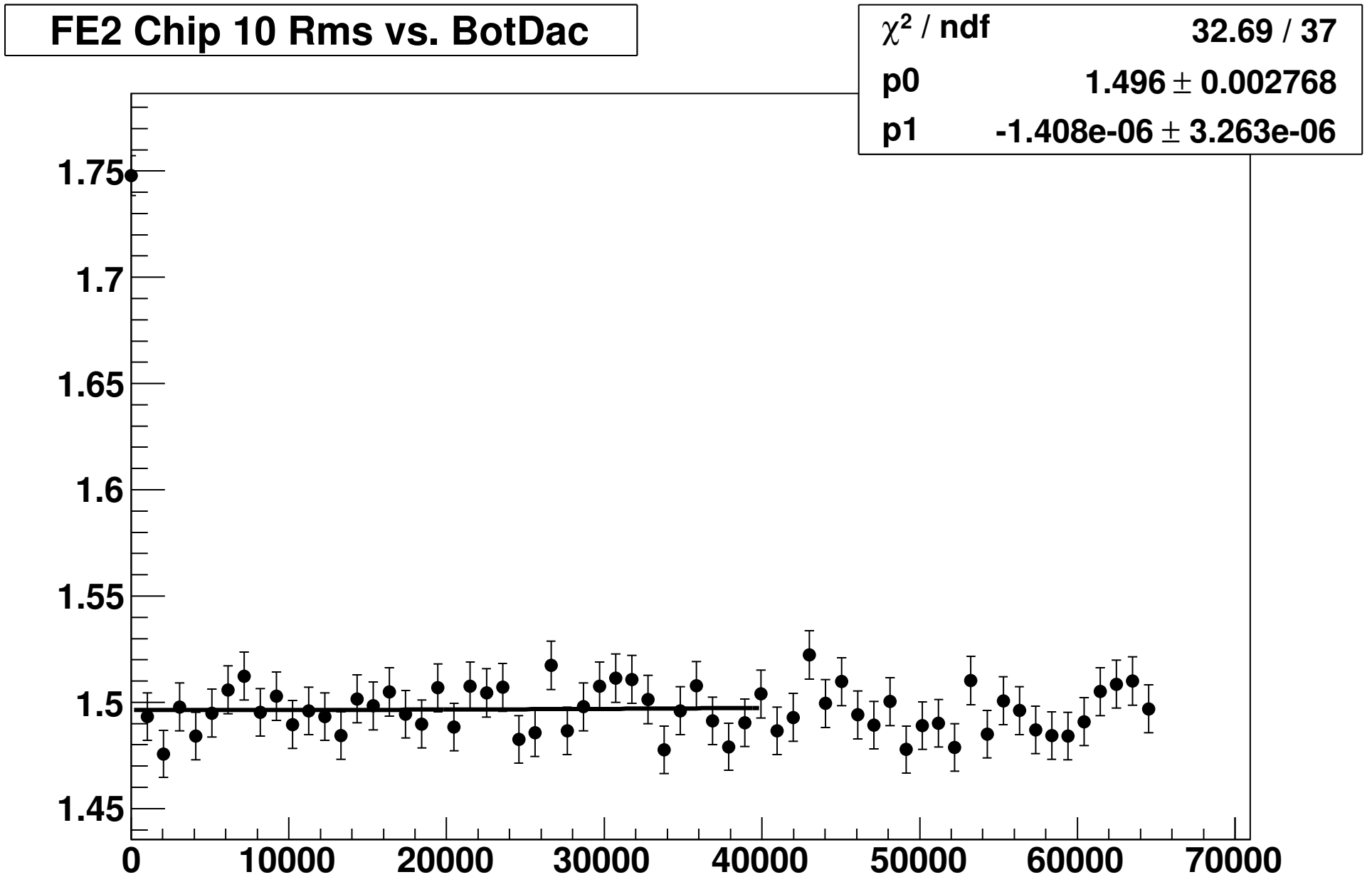
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 32.69 / 37
p0 1.496 ± 0.002768
p1 -1.408e-06 ± 3.263e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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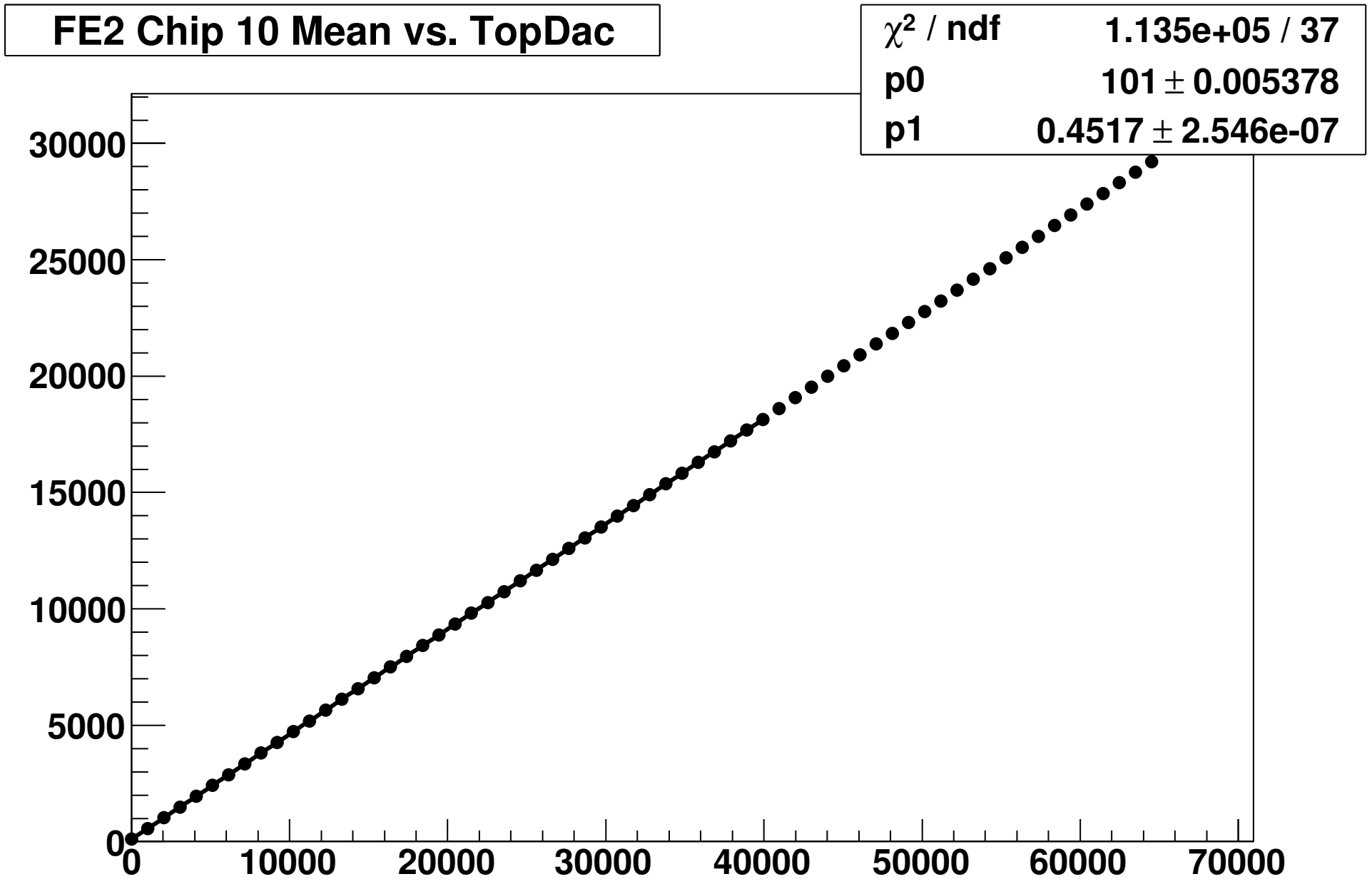
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.135e+05 / 37
p0 101 ± 0.005378
p1 0.4517 ± 2.546e-07
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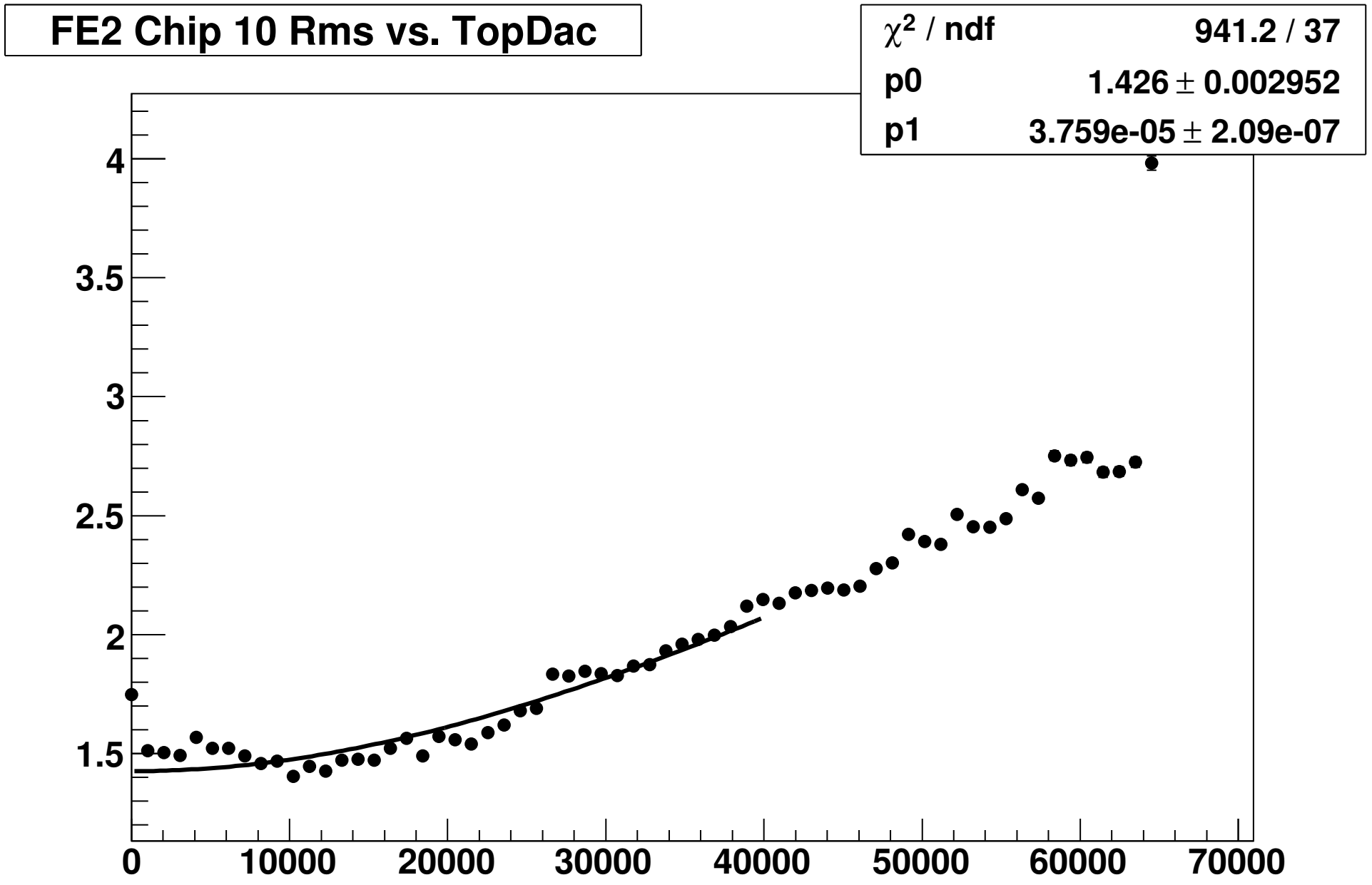
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 941.2 / 37
p0 1.426 ± 0.002952
p1 3.759e-05 ± 2.09e-07
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
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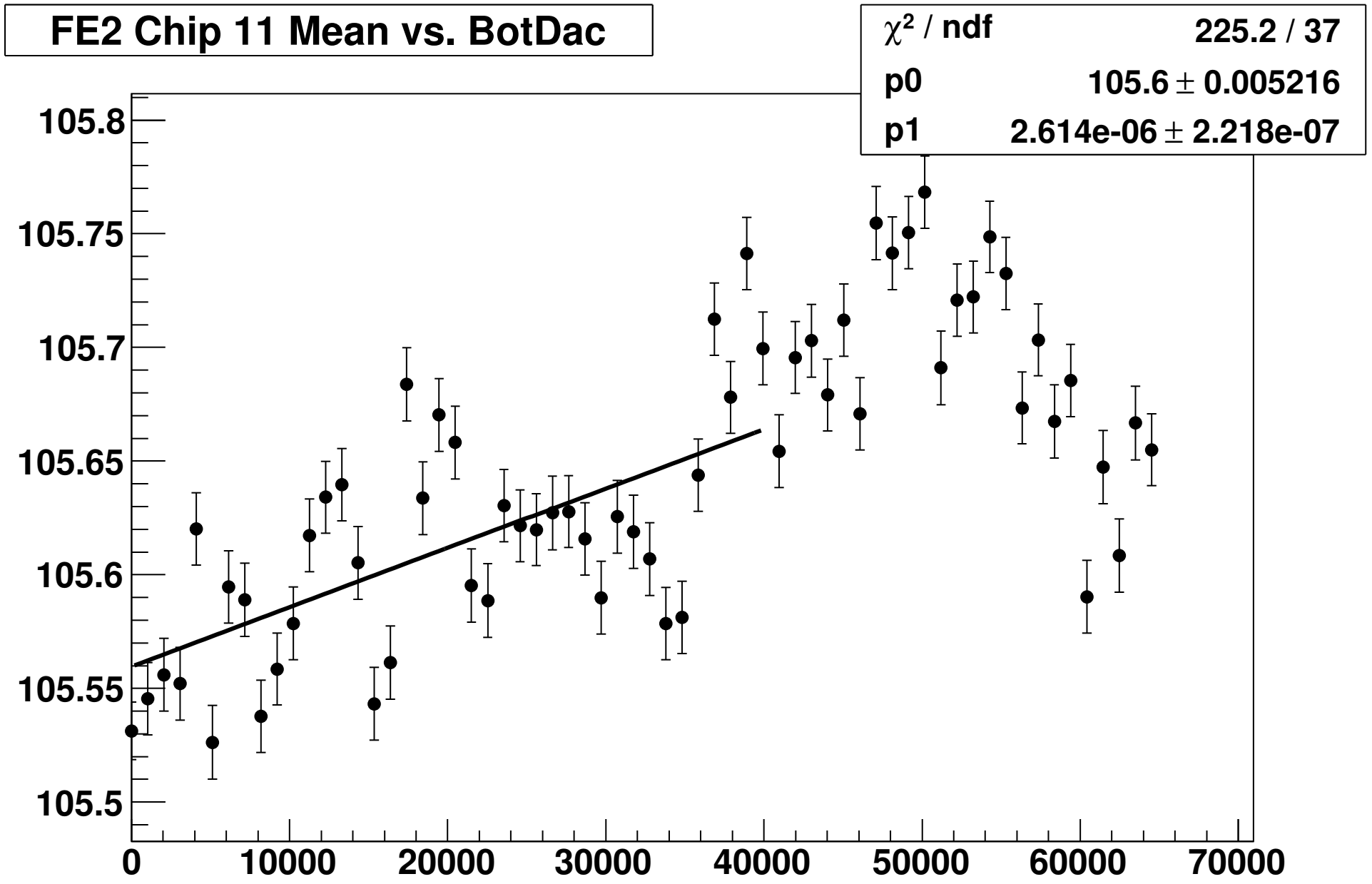
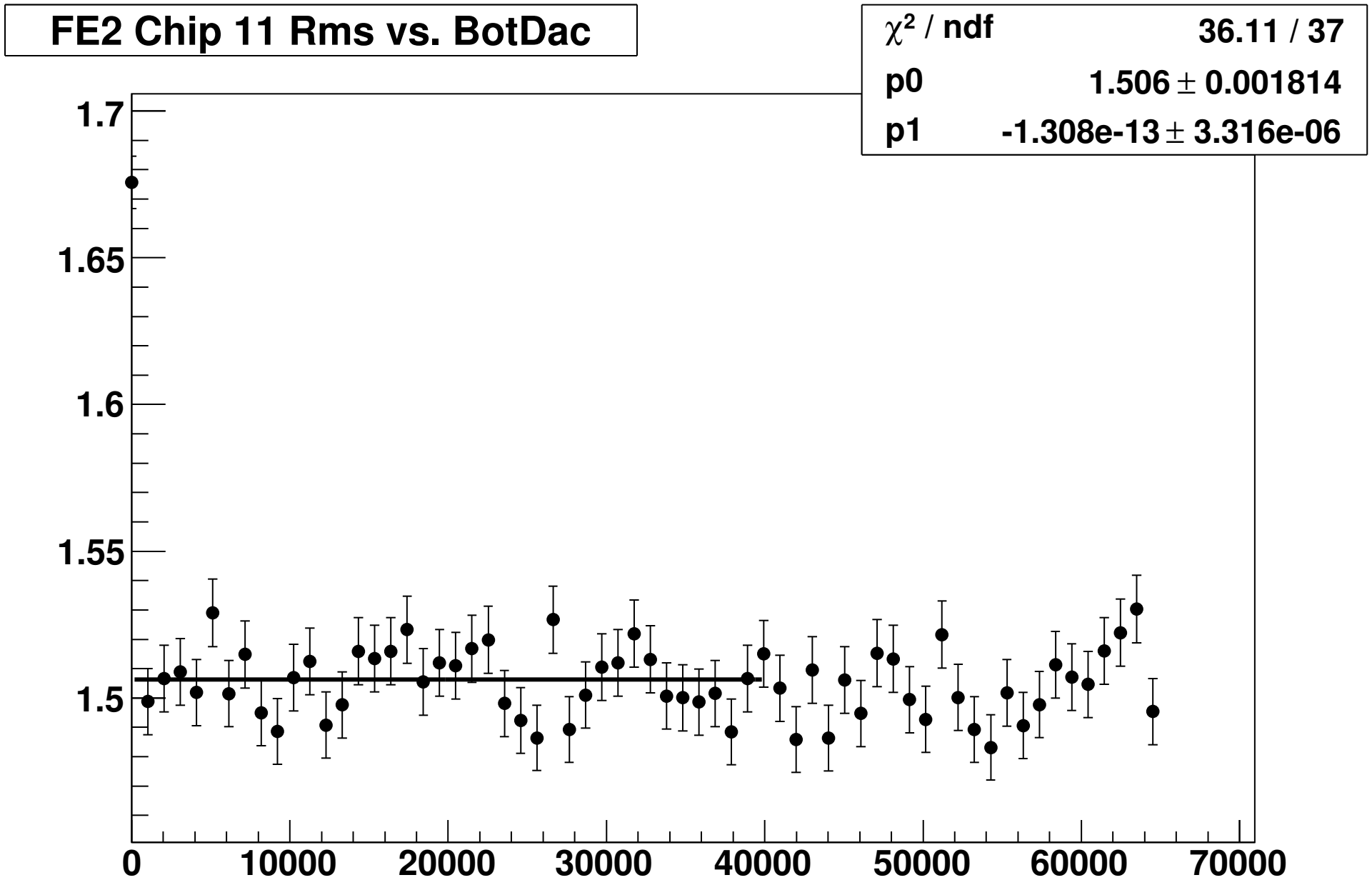

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 225.2 / 37
p0 105.6 ± 0.005216
p1 2.614e-06 ± 2.218e-07
105.8
105.75
105.7
105.65
105.6
105.55
105.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 36.11 / 37
p0 1.506 ± 0.001814
p1 -1.308e-13 ± 3.316e-06
1.7
1.65
1.6
1.55
1.5
0
10000
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30000
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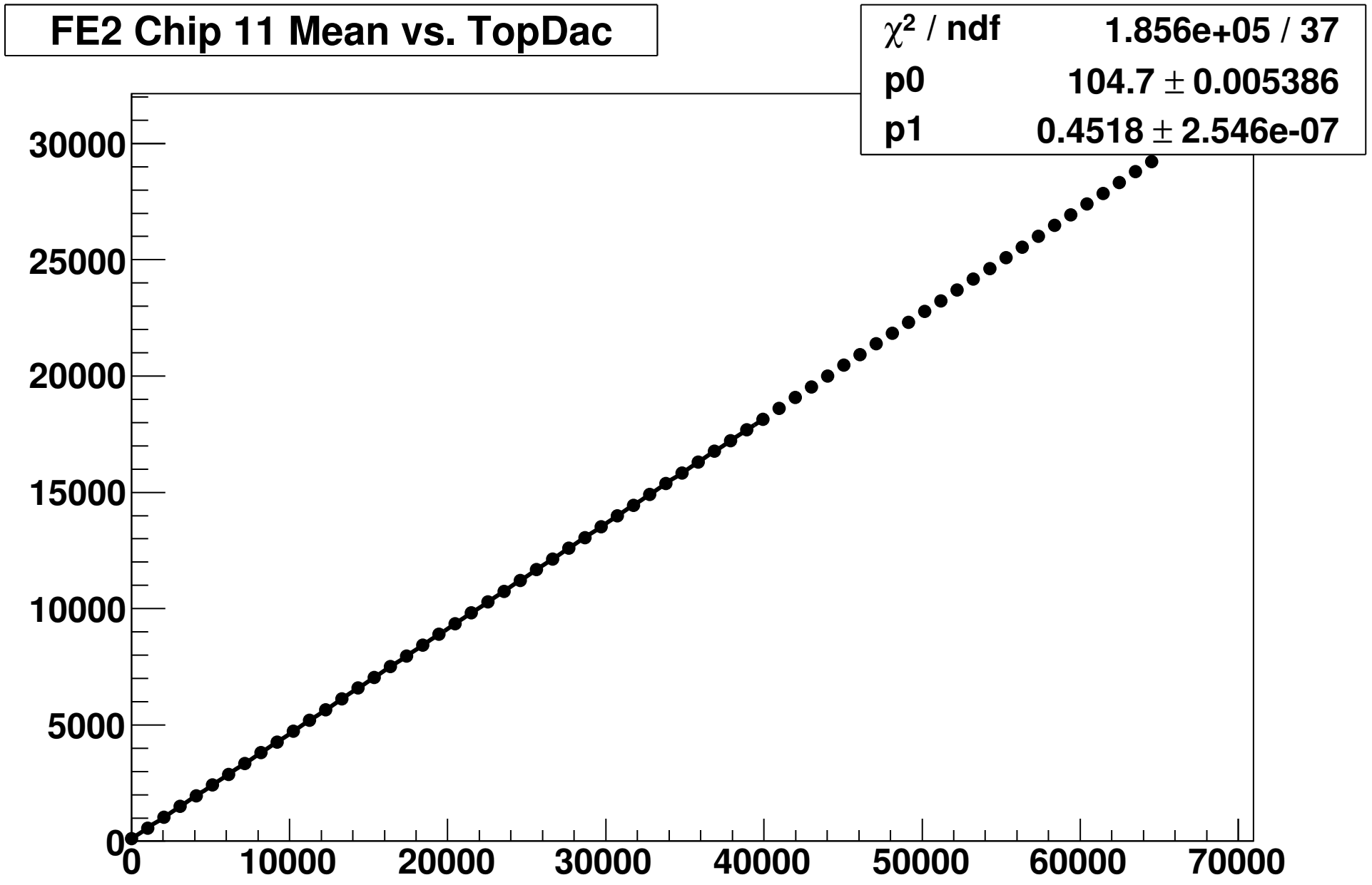
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.856e+05 / 37
p0 104.7 ± 0.005386
p1 0.4518 ± 2.546e-07
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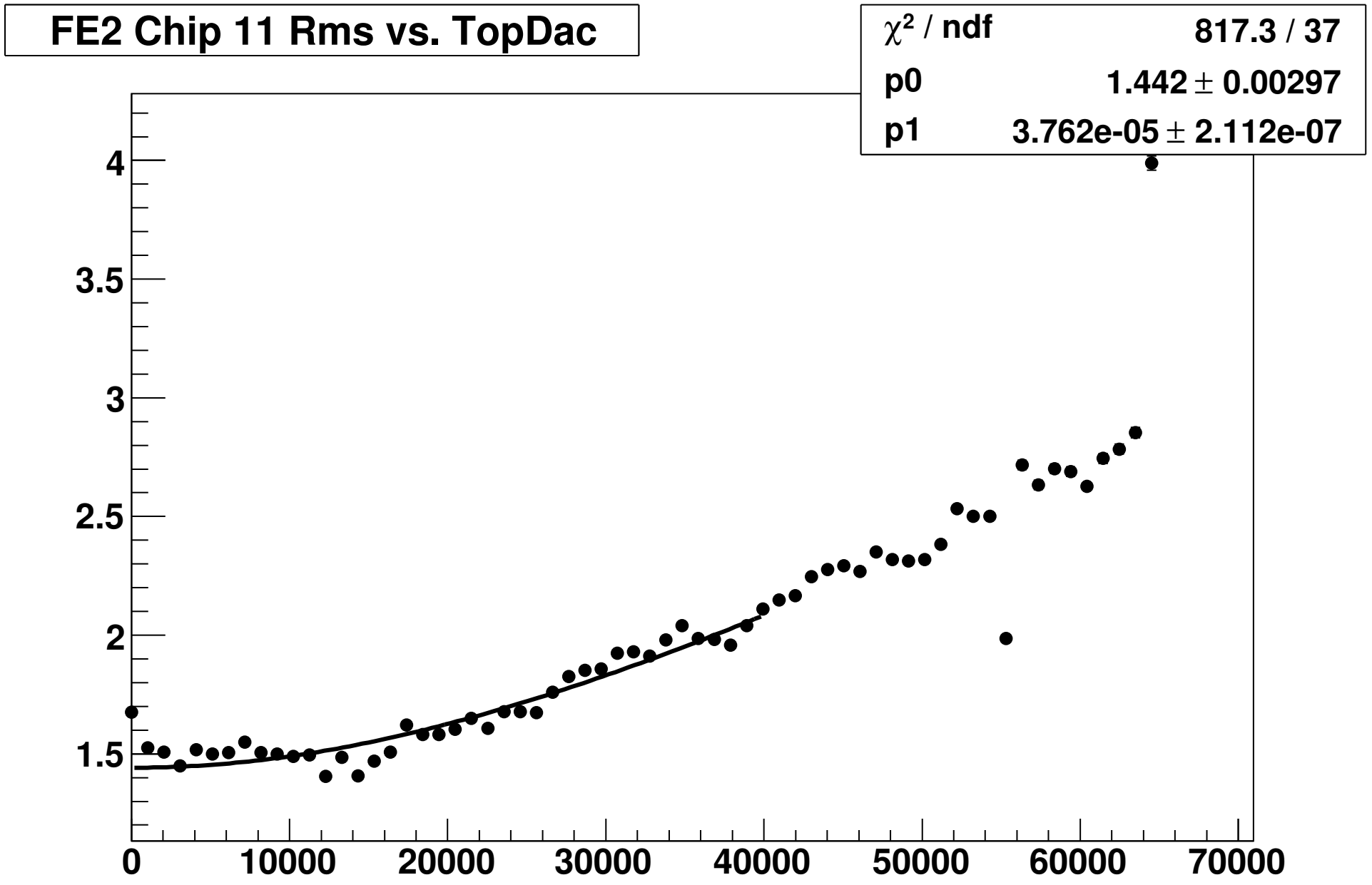
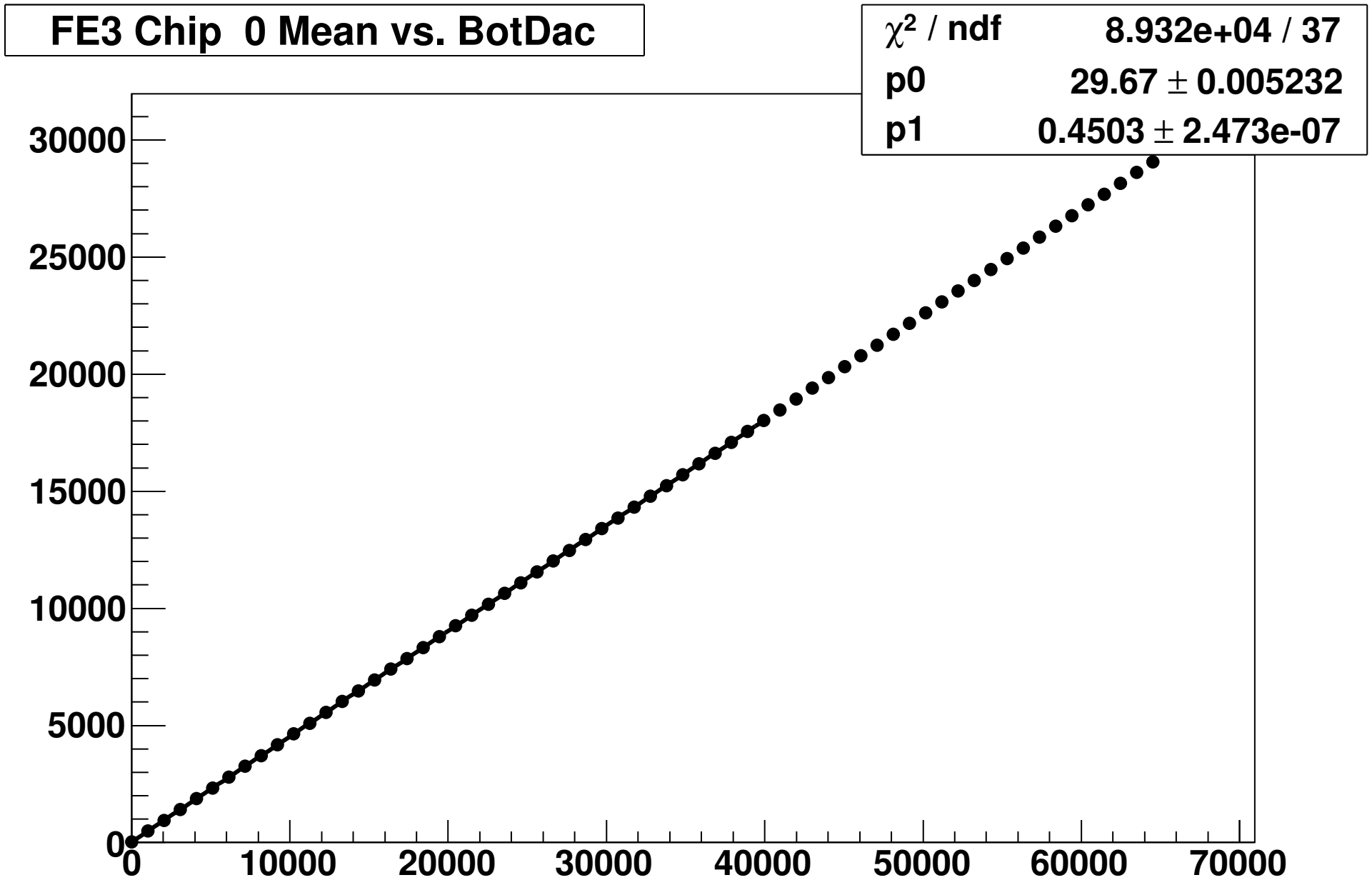
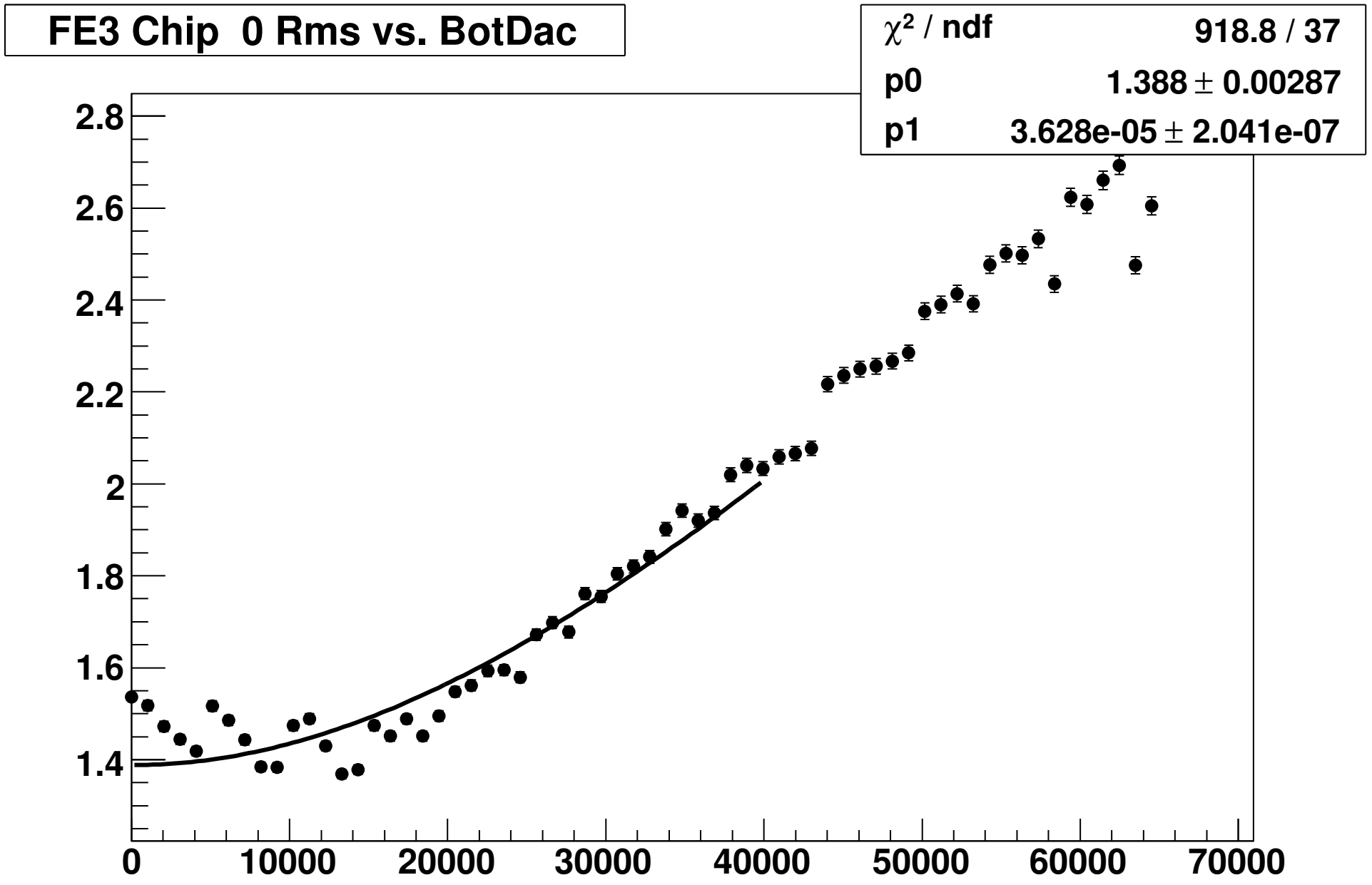
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 817.3 / 37
p0 1.442 ± 0.00297
p1 3.762e-05 ± 2.112e-07
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 8.932e+04 / 37
p0 29.67 ± 0.005232
p1 0.4503 ± 2.473e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 918.8 / 37
p0 1.388 ± 0.00287
p1 3.628e-05 ± 2.041e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
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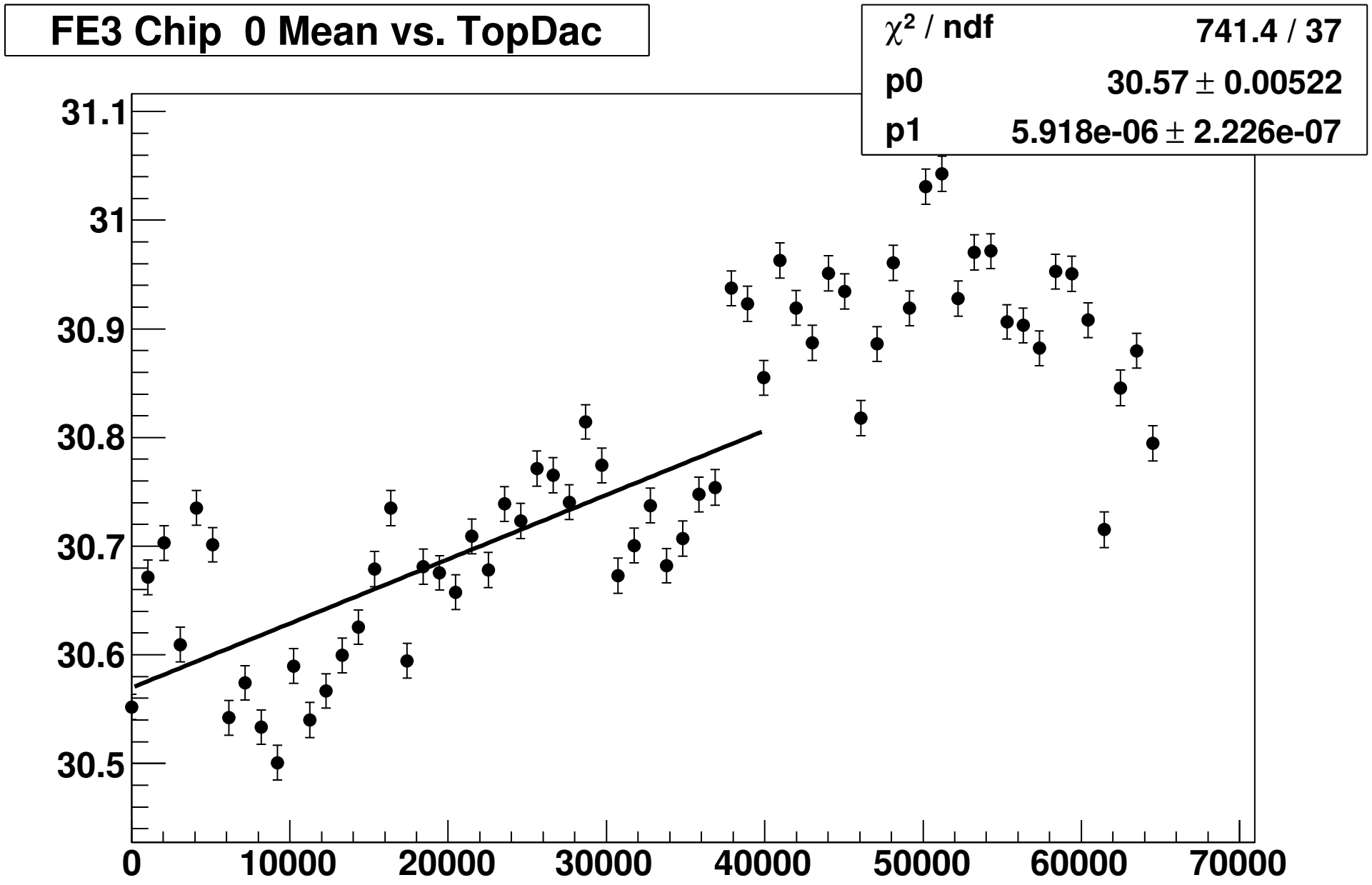
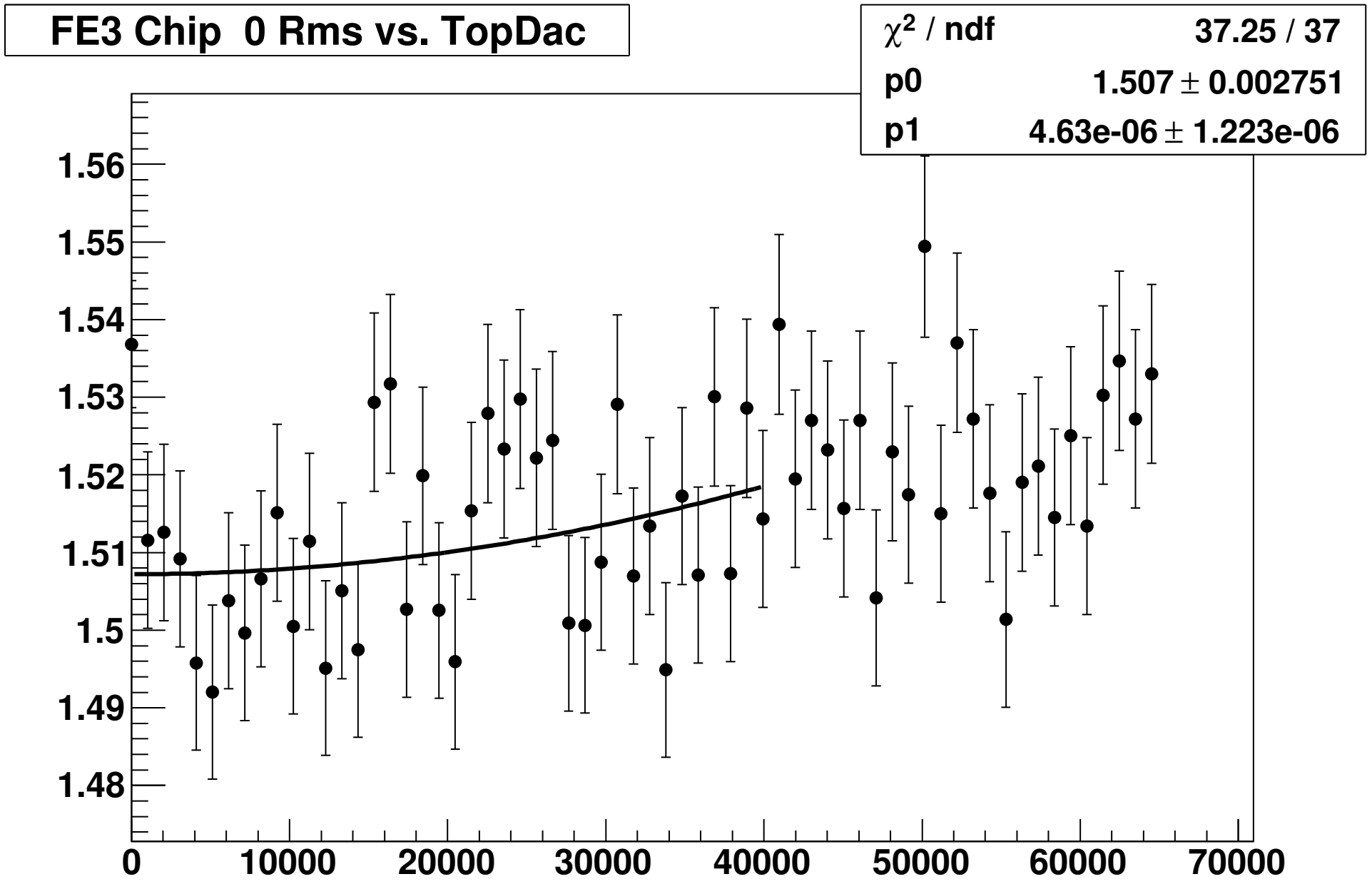
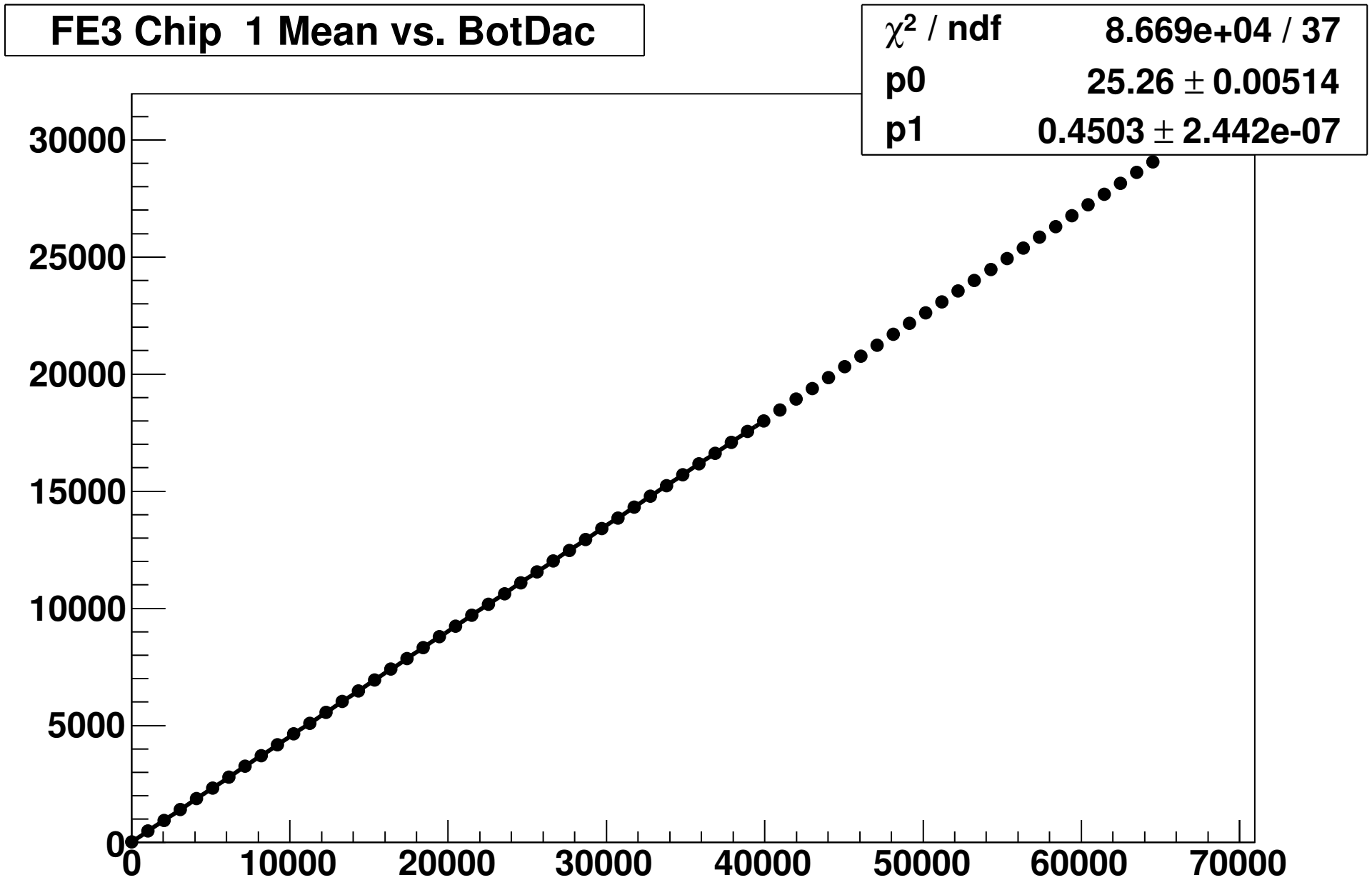

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 741.4 / 37
p0 30.57 ± 0.00522
p1 5.918e-06 ± 2.226e-07
31.1
31
30.9
30.8
30.7
30.6
30.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 37.25 / 37
p0 1.507 ± 0.002751
p1 4.63e-06 ± 1.223e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 8.669e+04 / 37
p0 25.26 ± 0.00514
p1 0.4503 ± 2.442e-07
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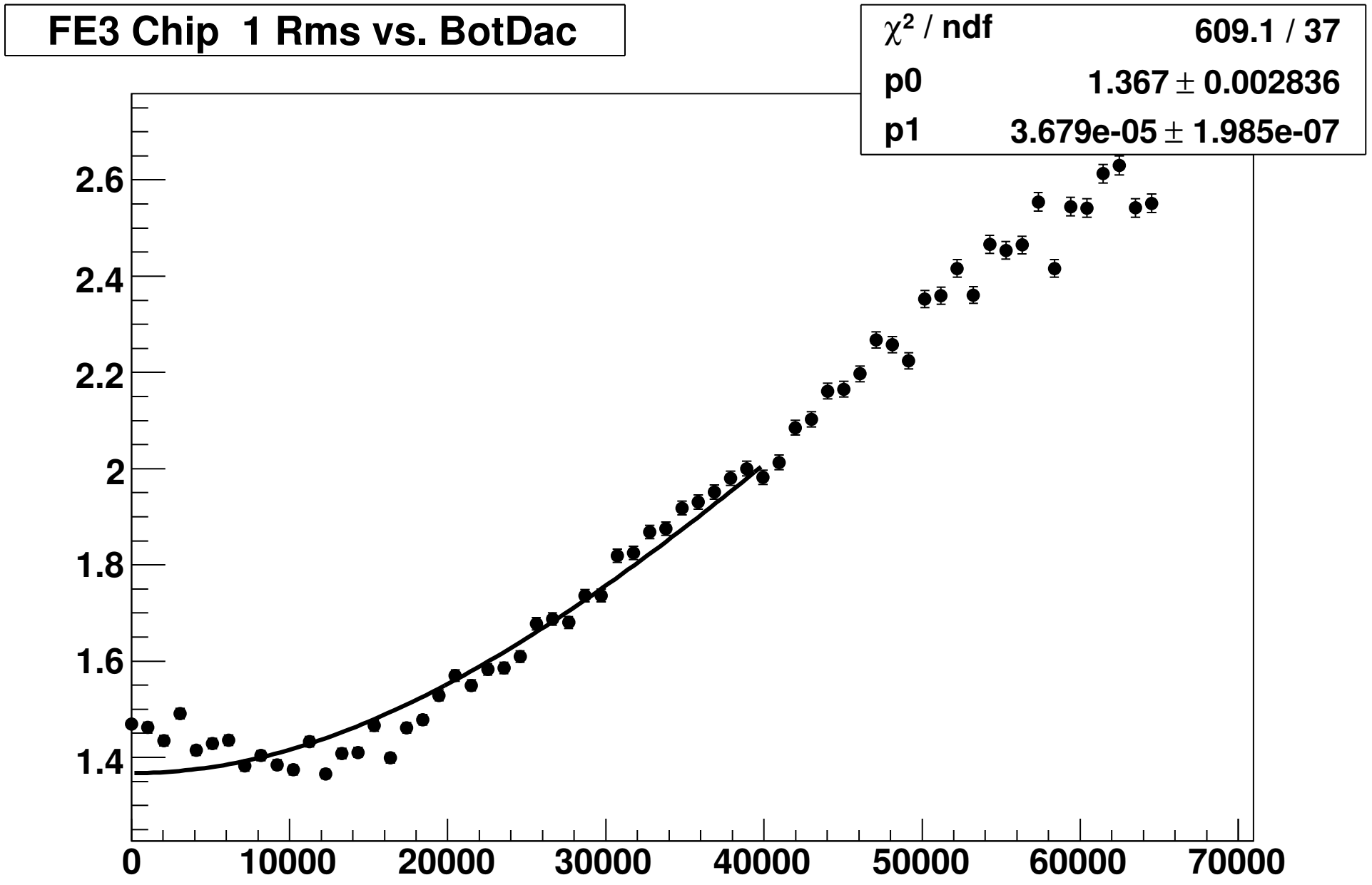
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 609.1 / 37
p0 1.367 ± 0.002836
p1 3.679e-05 ± 1.985e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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40000
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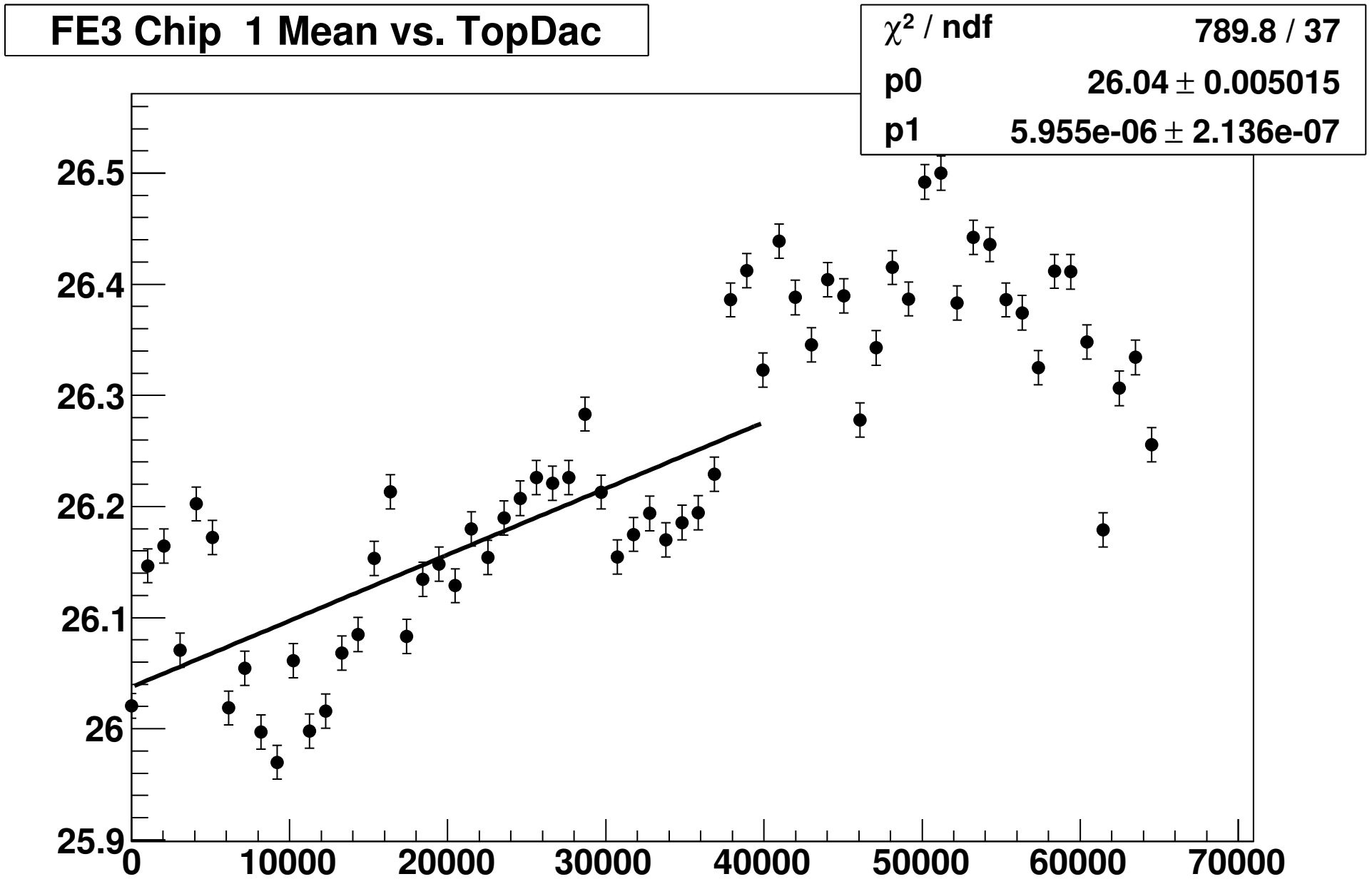
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 789.8 / 37
p0 26.04 ± 0.005015
p1 5.955e-06 ± 2.136e-07
26.5
26.4
26.3
26.2
26.1
26
25.9
0
10000
20000
30000
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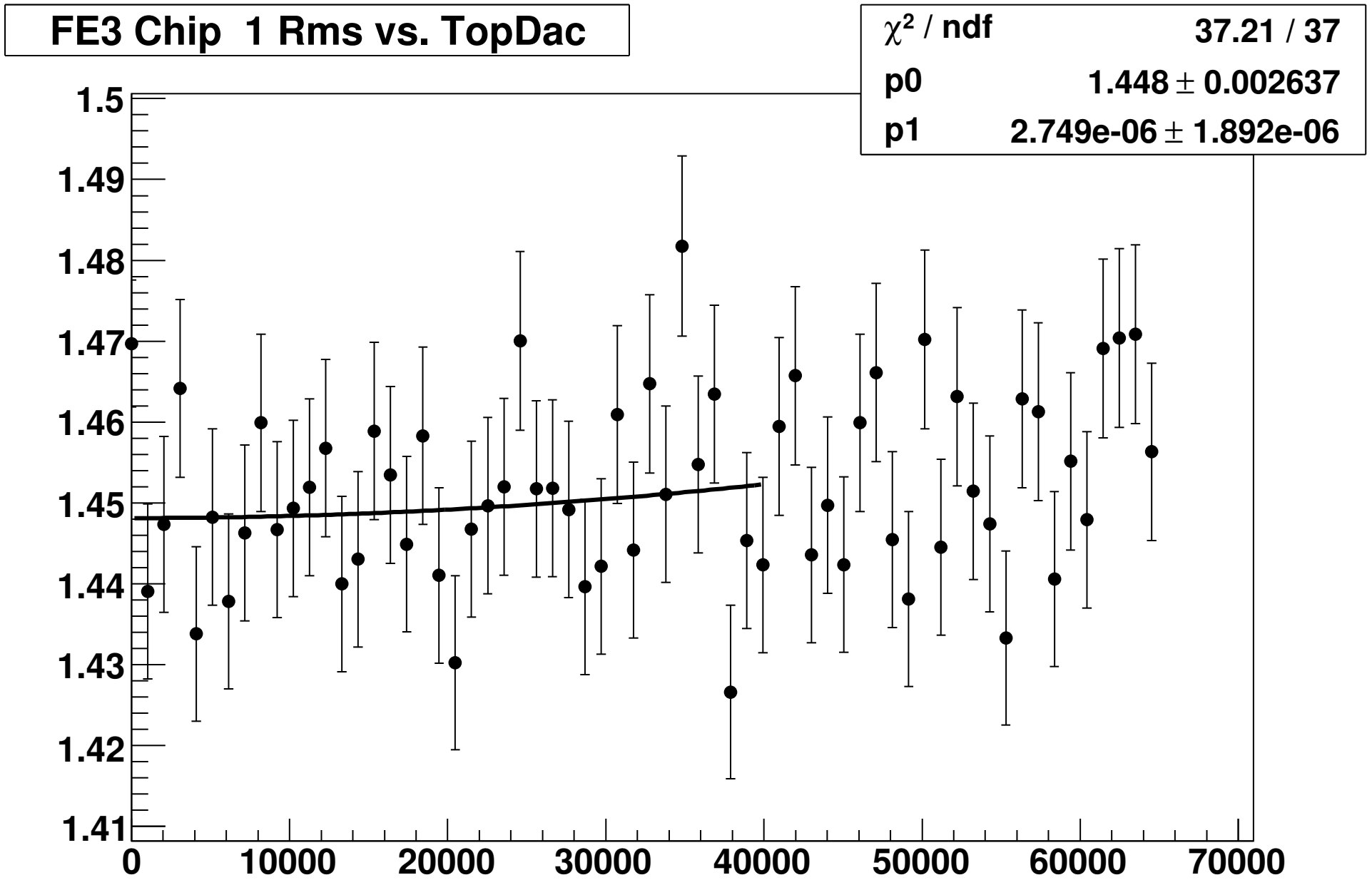
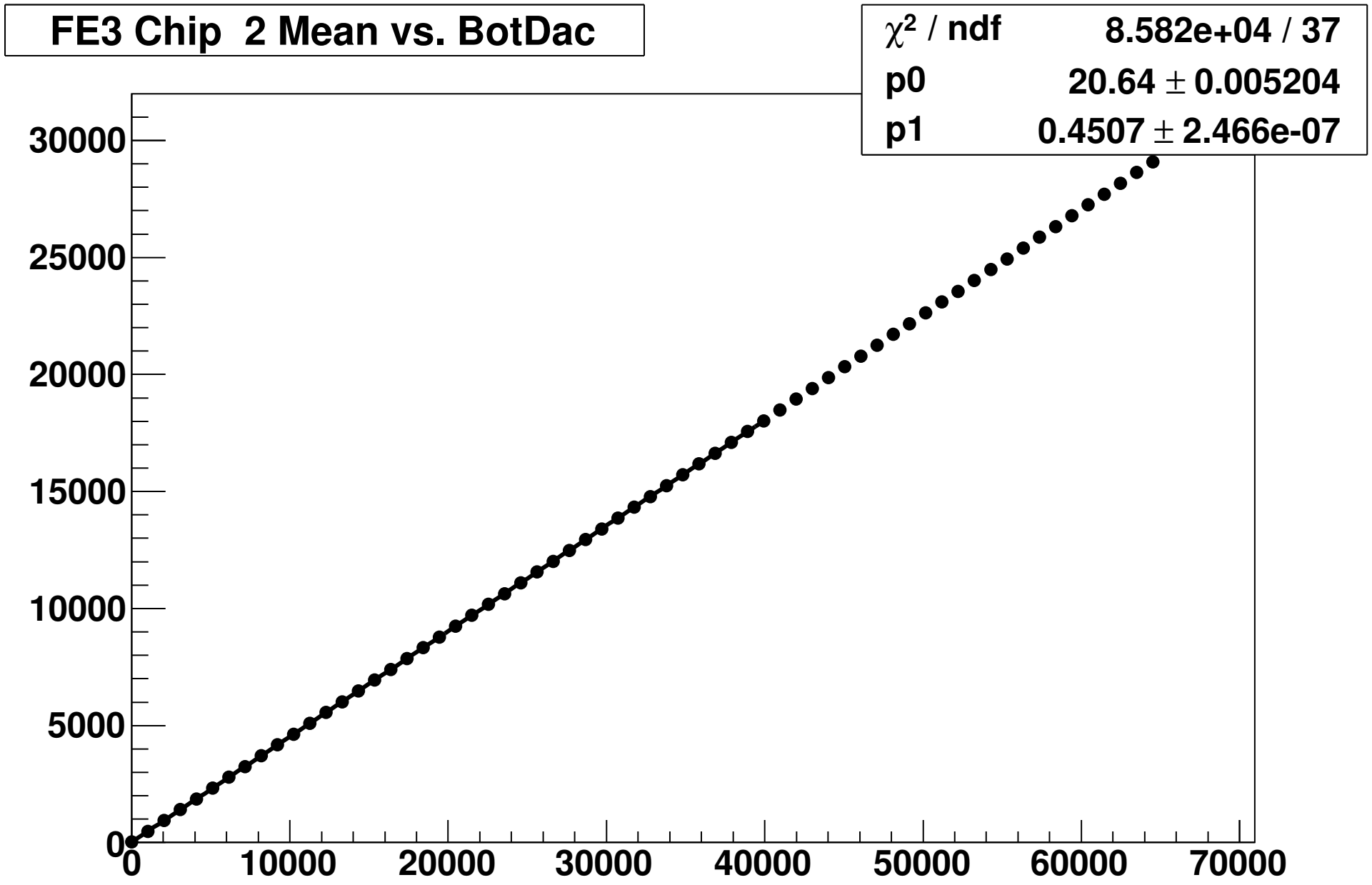
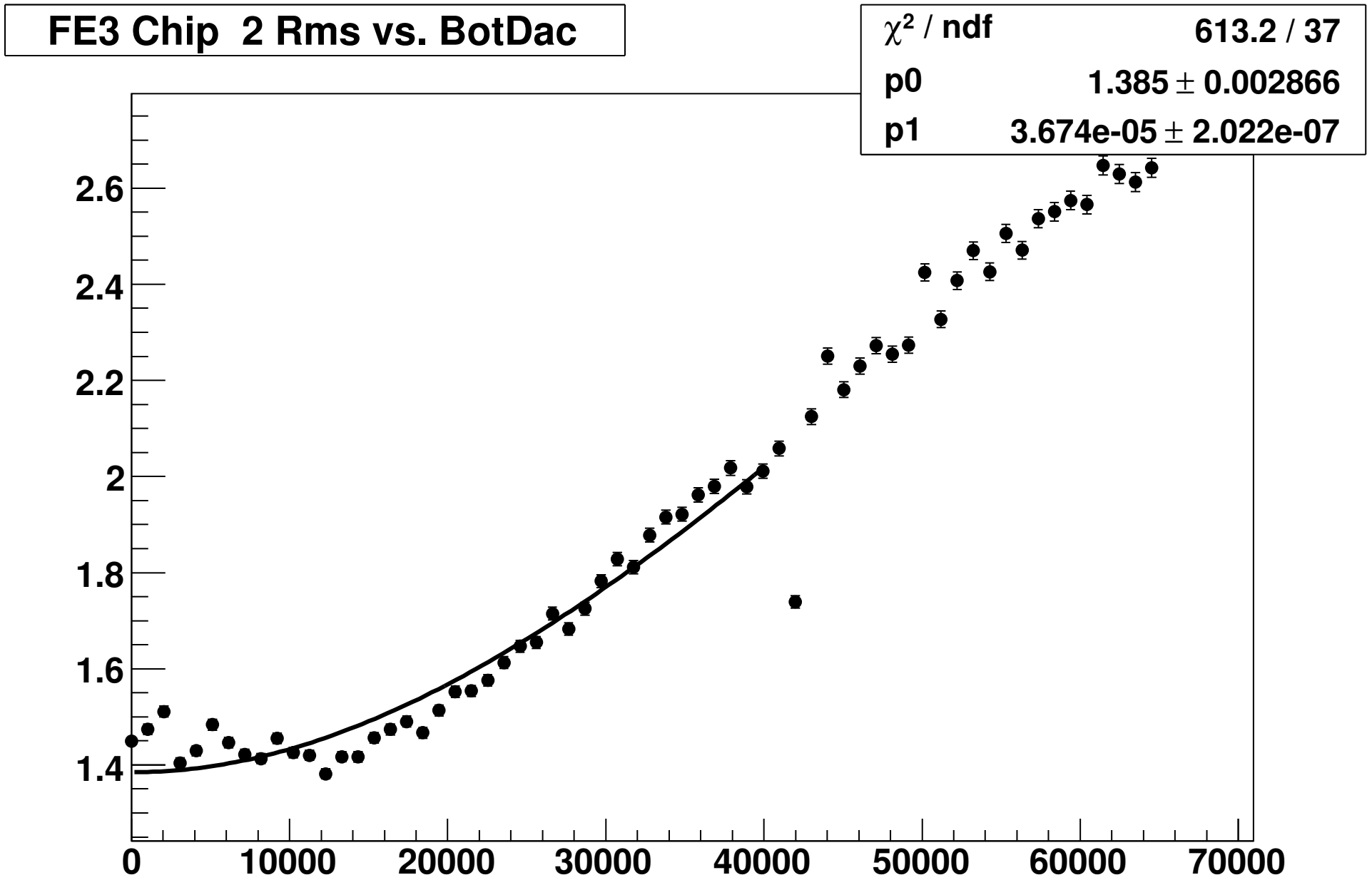
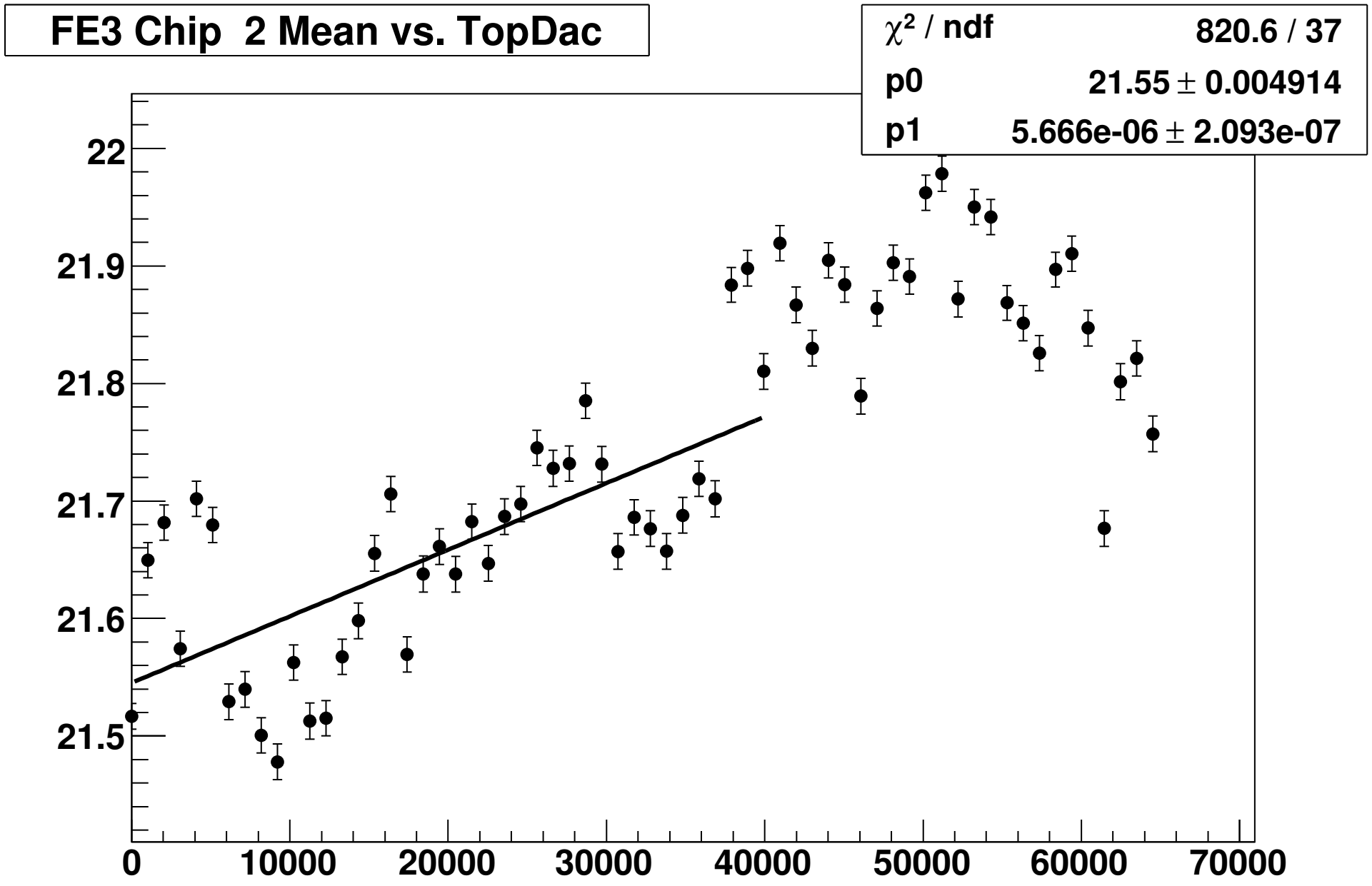
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 37.21 / 37
p0 1.448 ± 0.002637
p1 2.749e-06 ± 1.892e-06
1.5
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


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 8.582e+04 / 37
p0 20.64 ± 0.005204
p1 0.4507 ± 2.466e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 613.2 / 37
p0 1.385 ± 0.002866
p1 3.674e-05 ± 2.022e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 820.6 / 37
p0 21.55 ± 0.004914
p1 5.666e-06 ± 2.093e-07
22
21.9
21.8
21.7
21.6
21.5
0
10000
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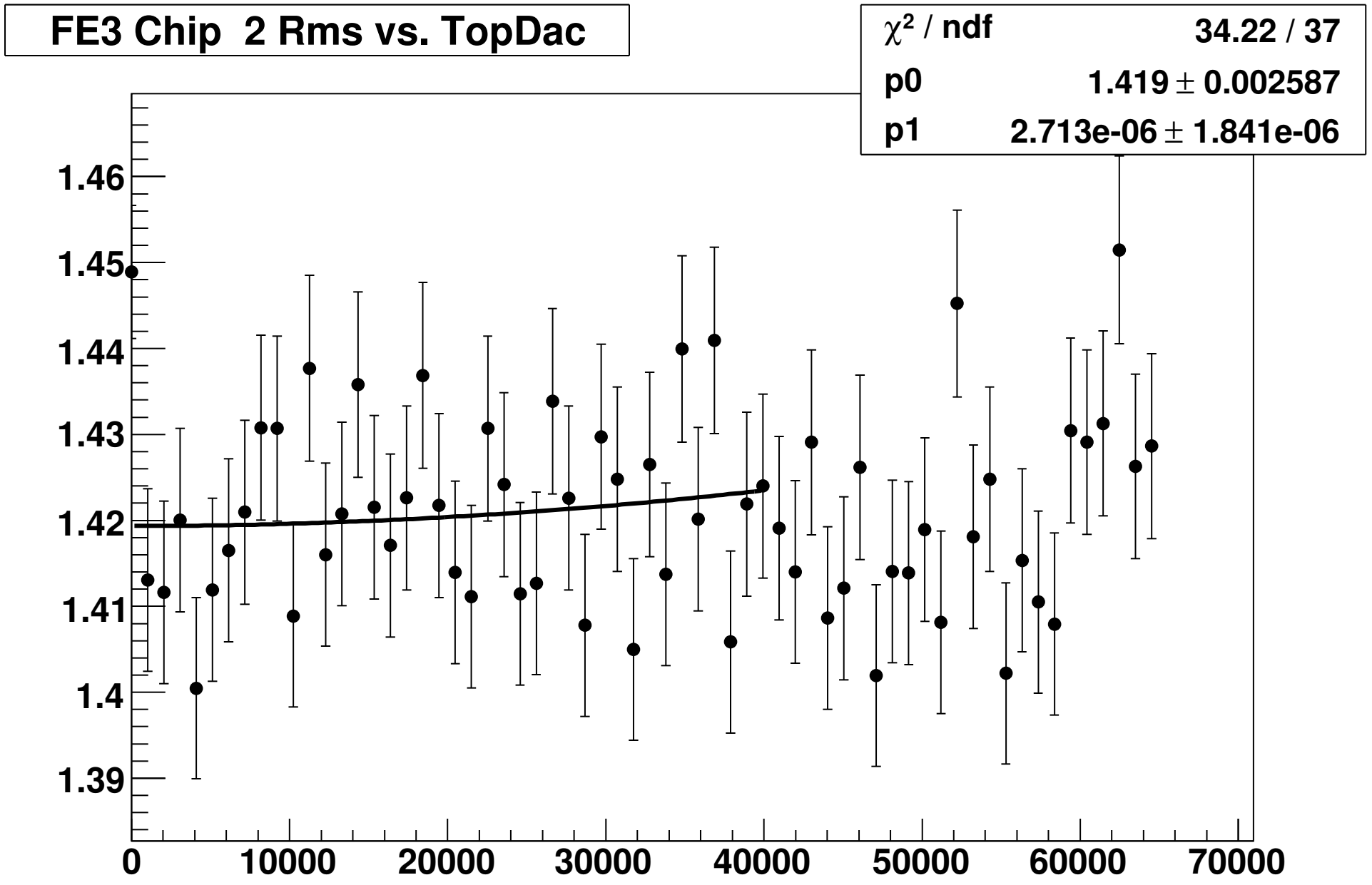
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 34.22 / 37
p0 1.419 ± 0.002587
p1 2.713e-06 ± 1.841e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
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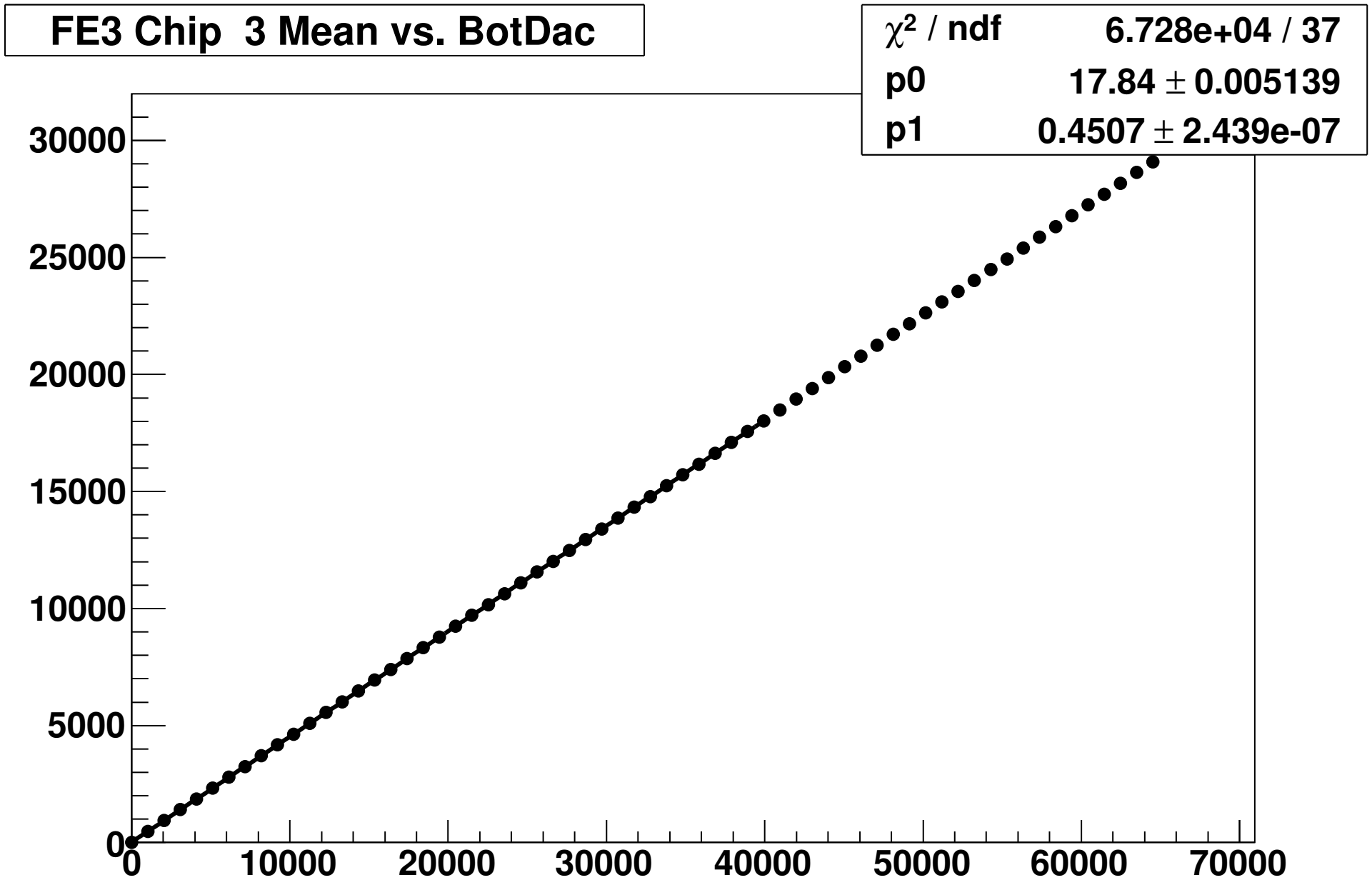
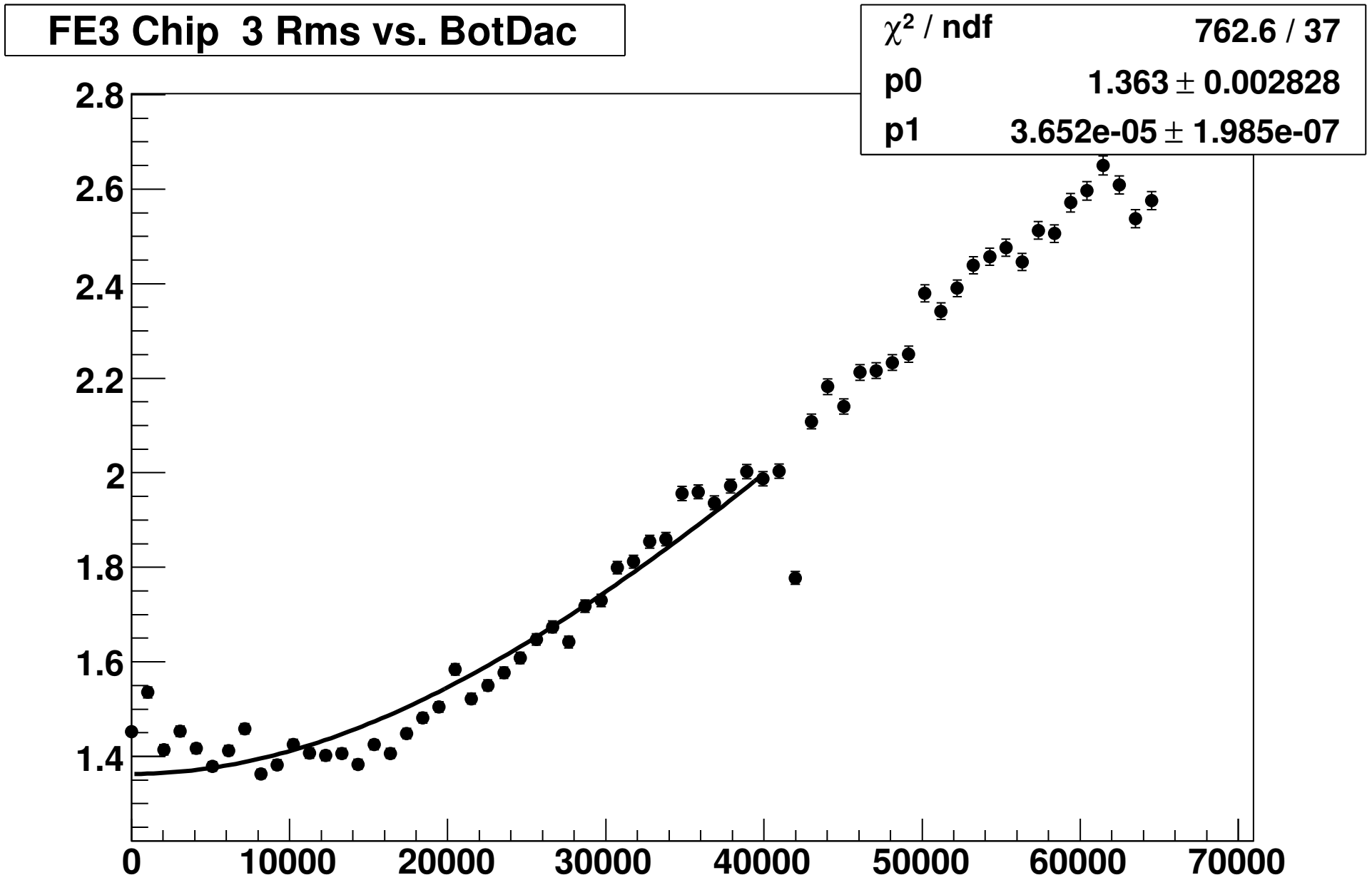
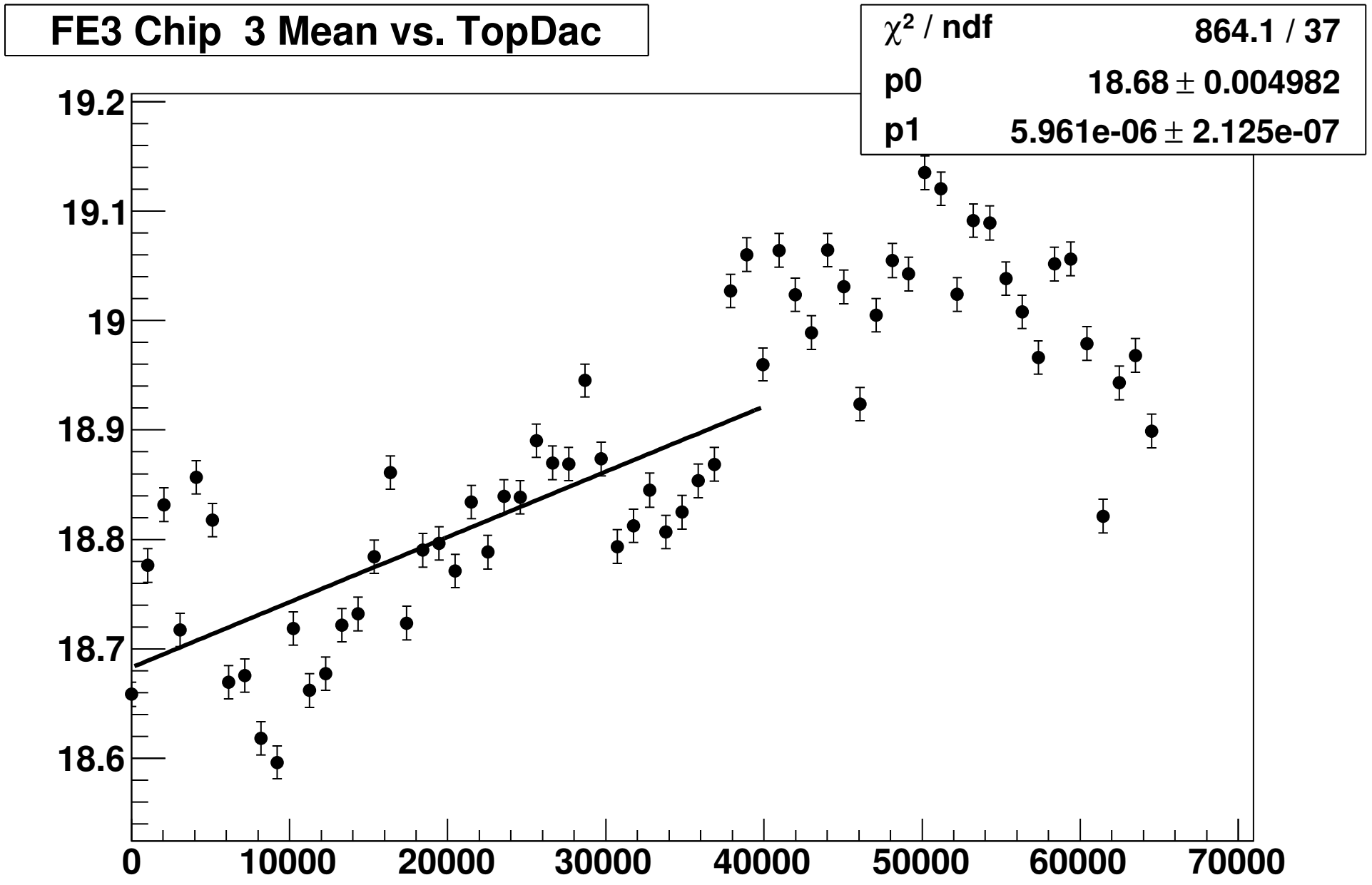
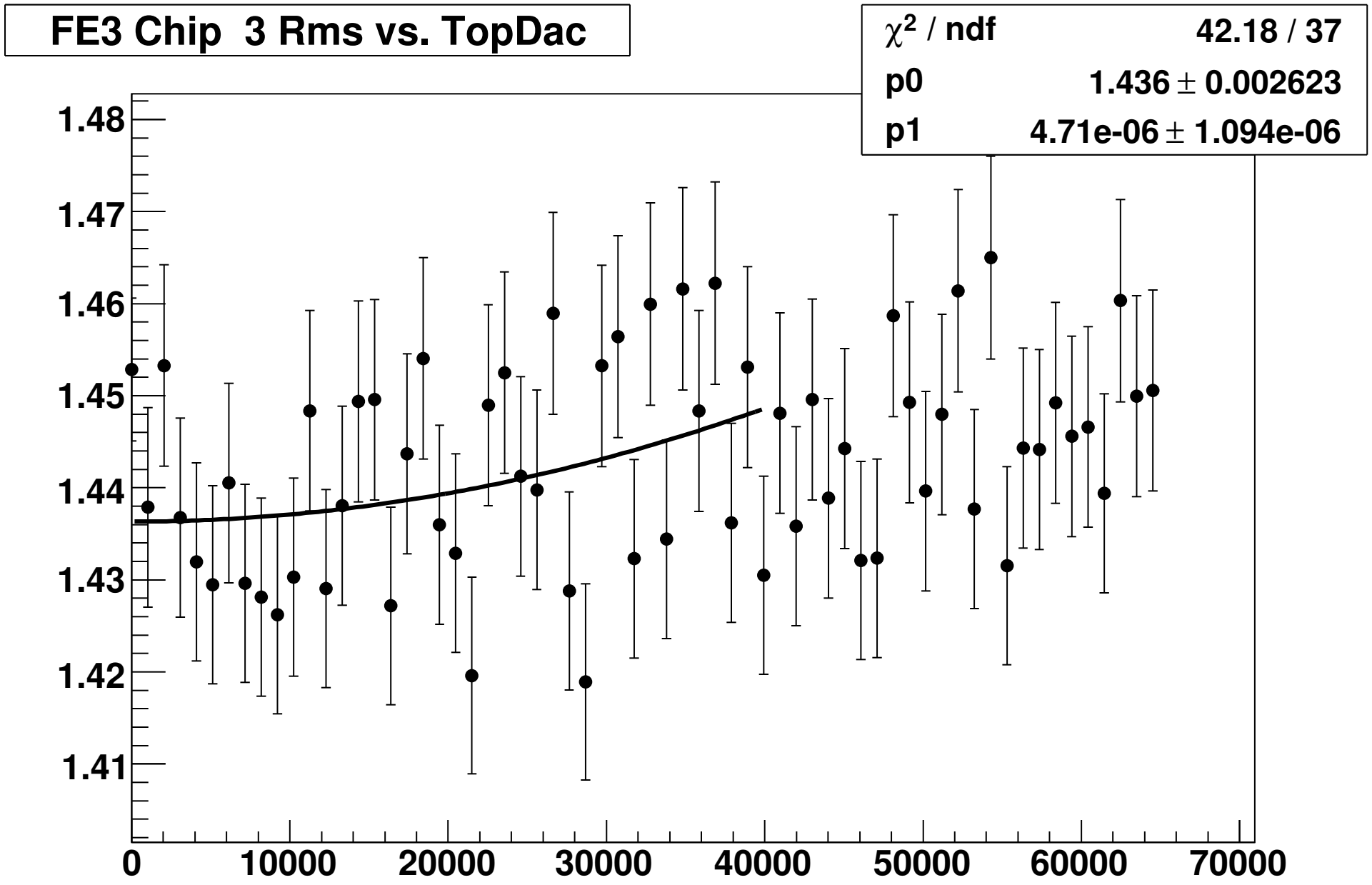

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 6.728e+04 / 37
p0 17.84 ± 0.005139
p1 0.4507 ± 2.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 762.6 / 37
p0 1.363 ± 0.002828
p1 3.652e-05 ± 1.985e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 864.1 / 37
p0 18.68 ± 0.004982
p1 5.961e-06 ± 2.125e-07
19.2
19.1
19
18.9
18.8
18.7
18.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 42.18 / 37
p0 1.436 ± 0.002623
p1 4.71e-06 ± 1.094e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
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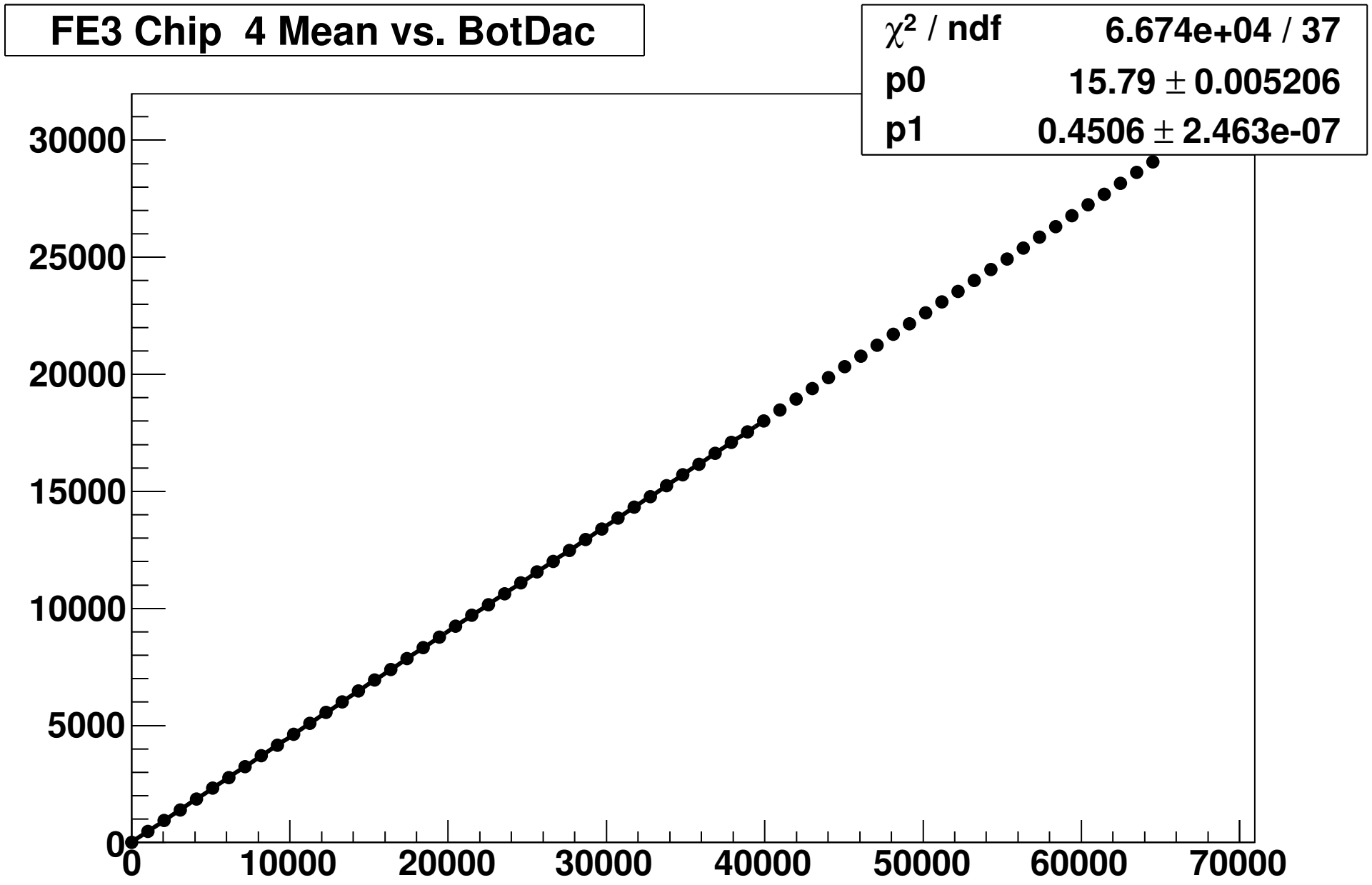
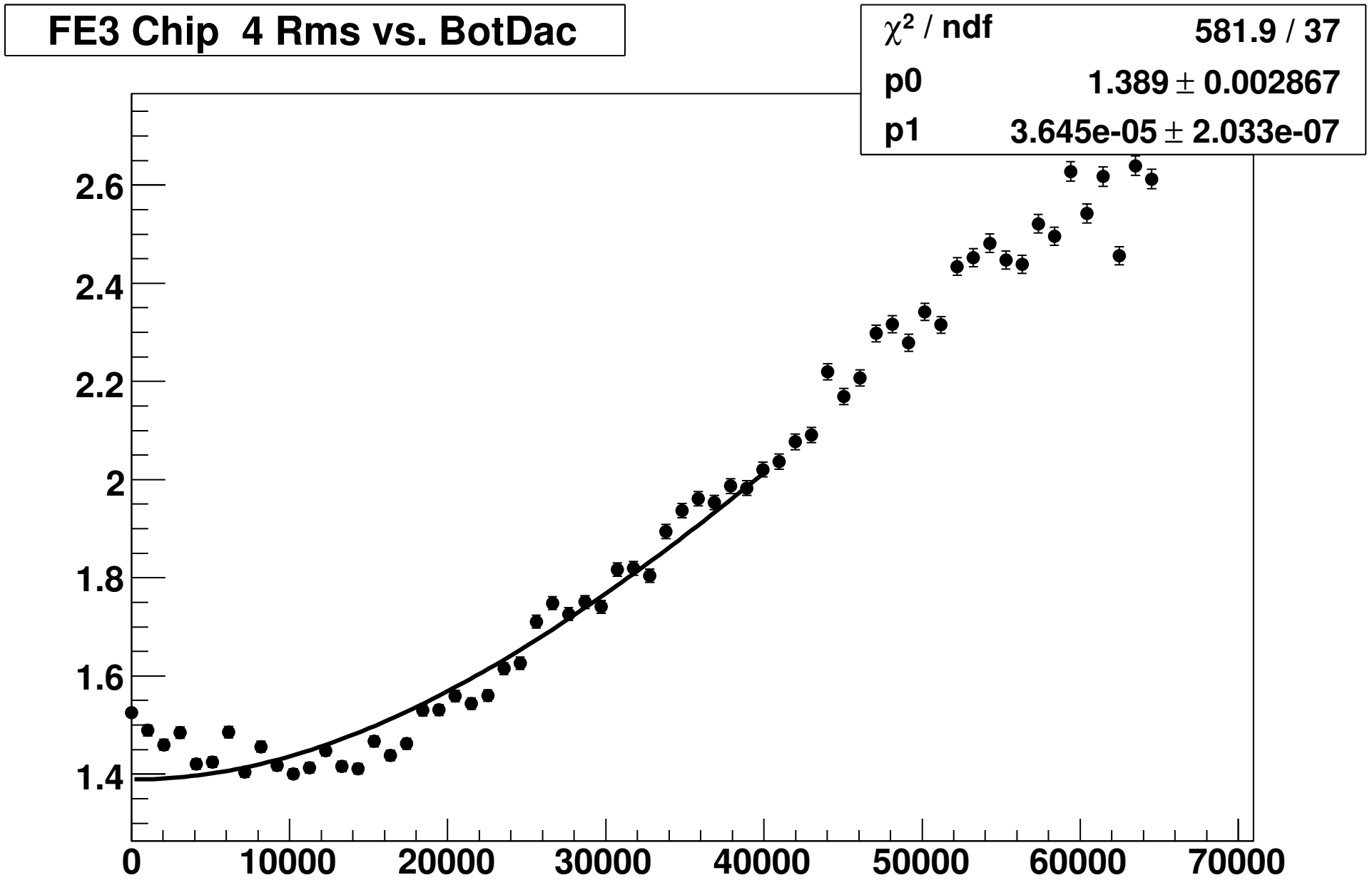
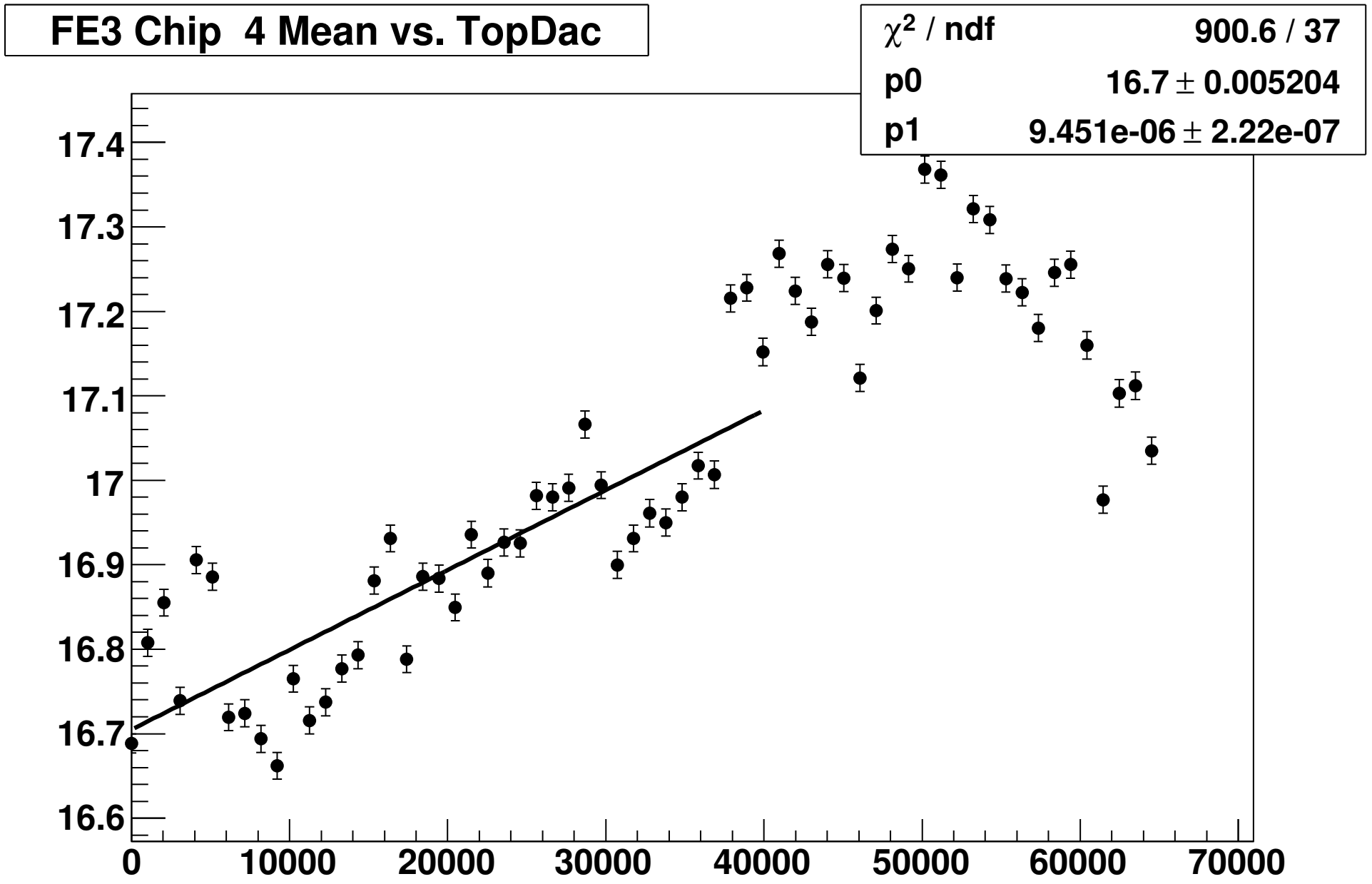

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 6.674e+04 / 37
p0 15.79 ± 0.005206
p1 0.4506 ± 2.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 581.9 / 37
p0 1.389 ± 0.002867
p1 3.645e-05 ± 2.033e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 900.6 / 37
p0 16.7 ± 0.005204
p1 9.451e-06 ± 2.22e-07
17.4
17.3
17.2
17.1
17
16.9
16.8
16.7
16.6
0
10000
20000
30000
40000
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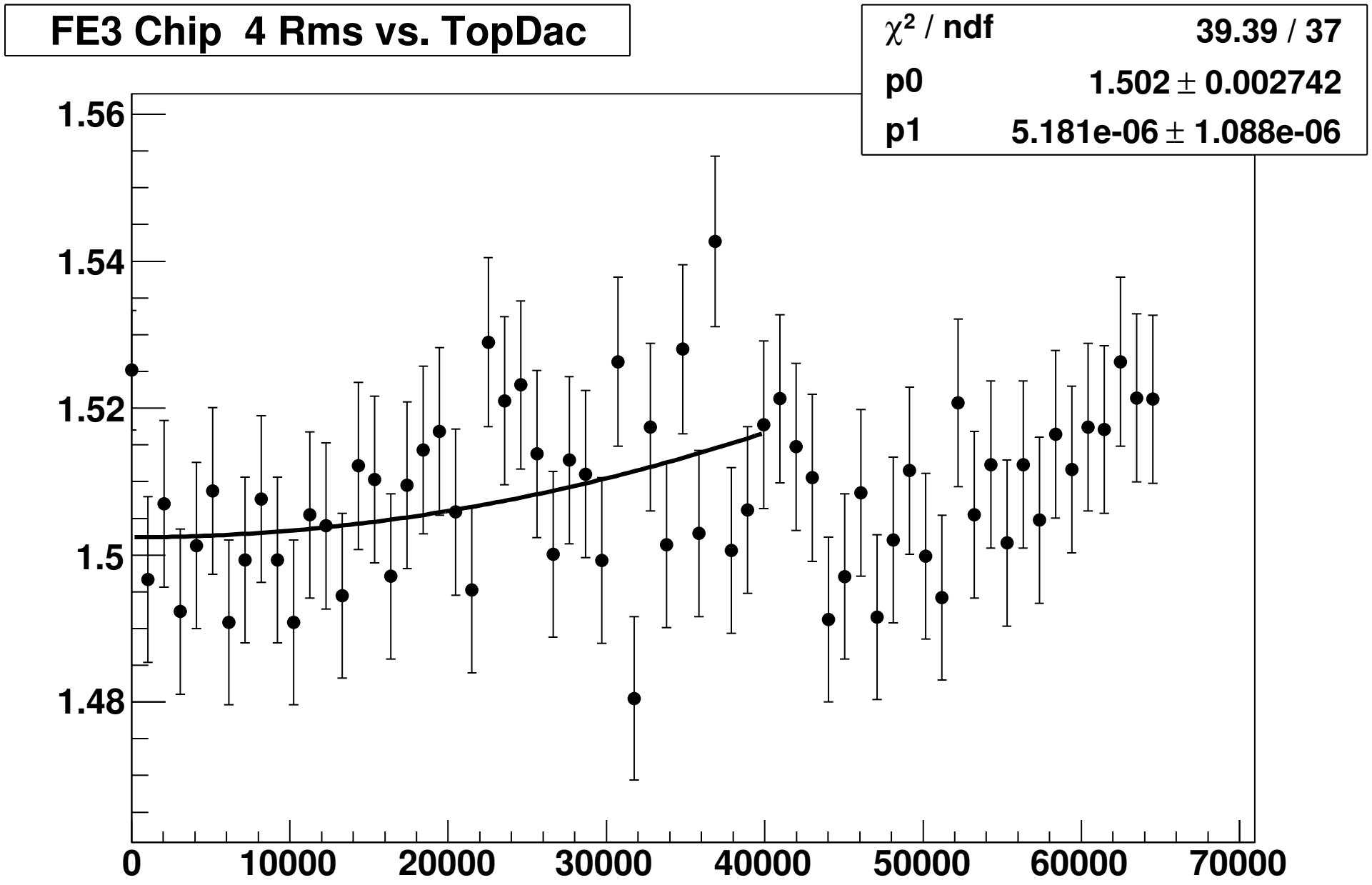
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 39.39 / 37
p0 1.502 ± 0.002742
p1 5.181e-06 ± 1.088e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
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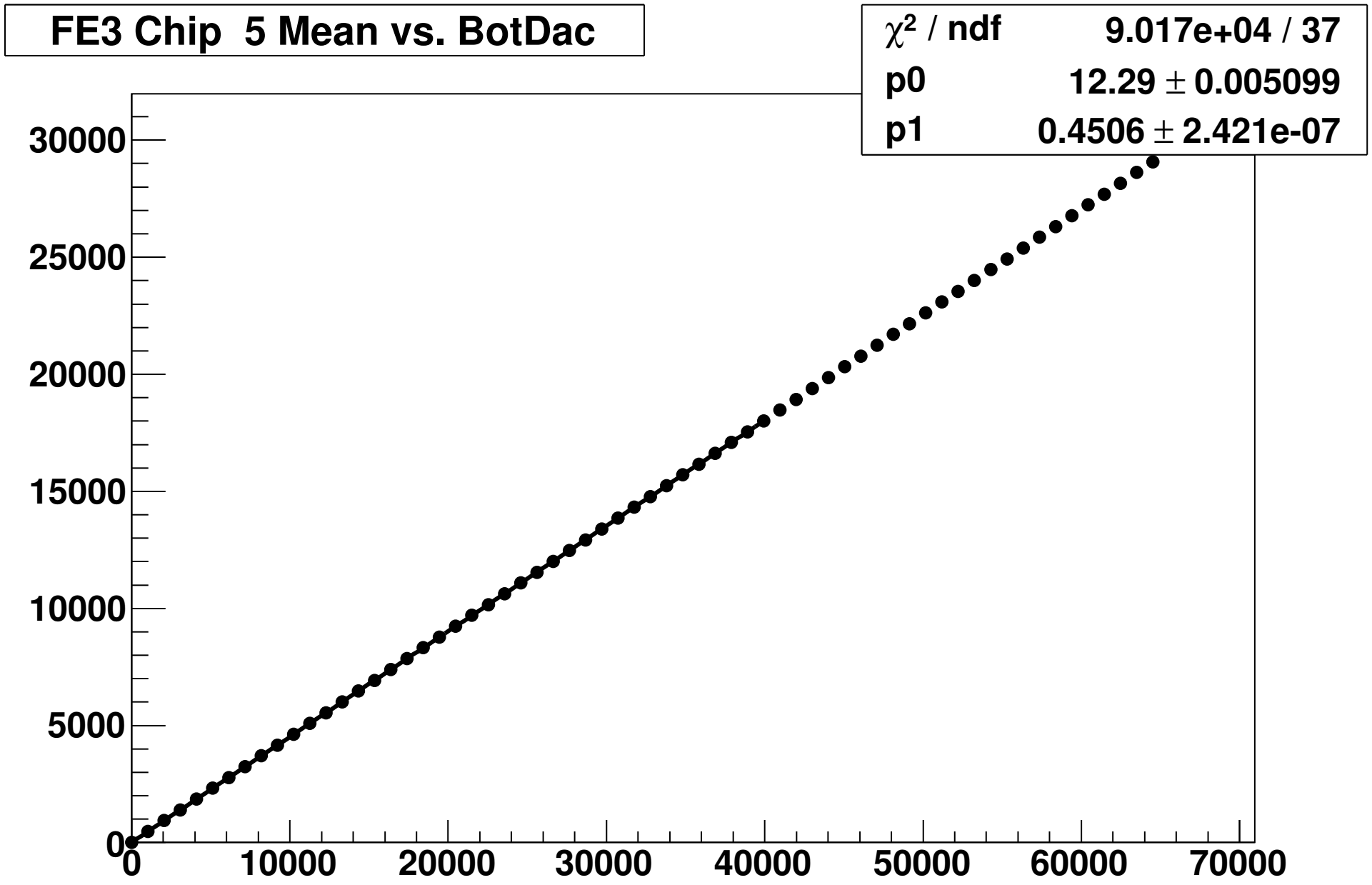
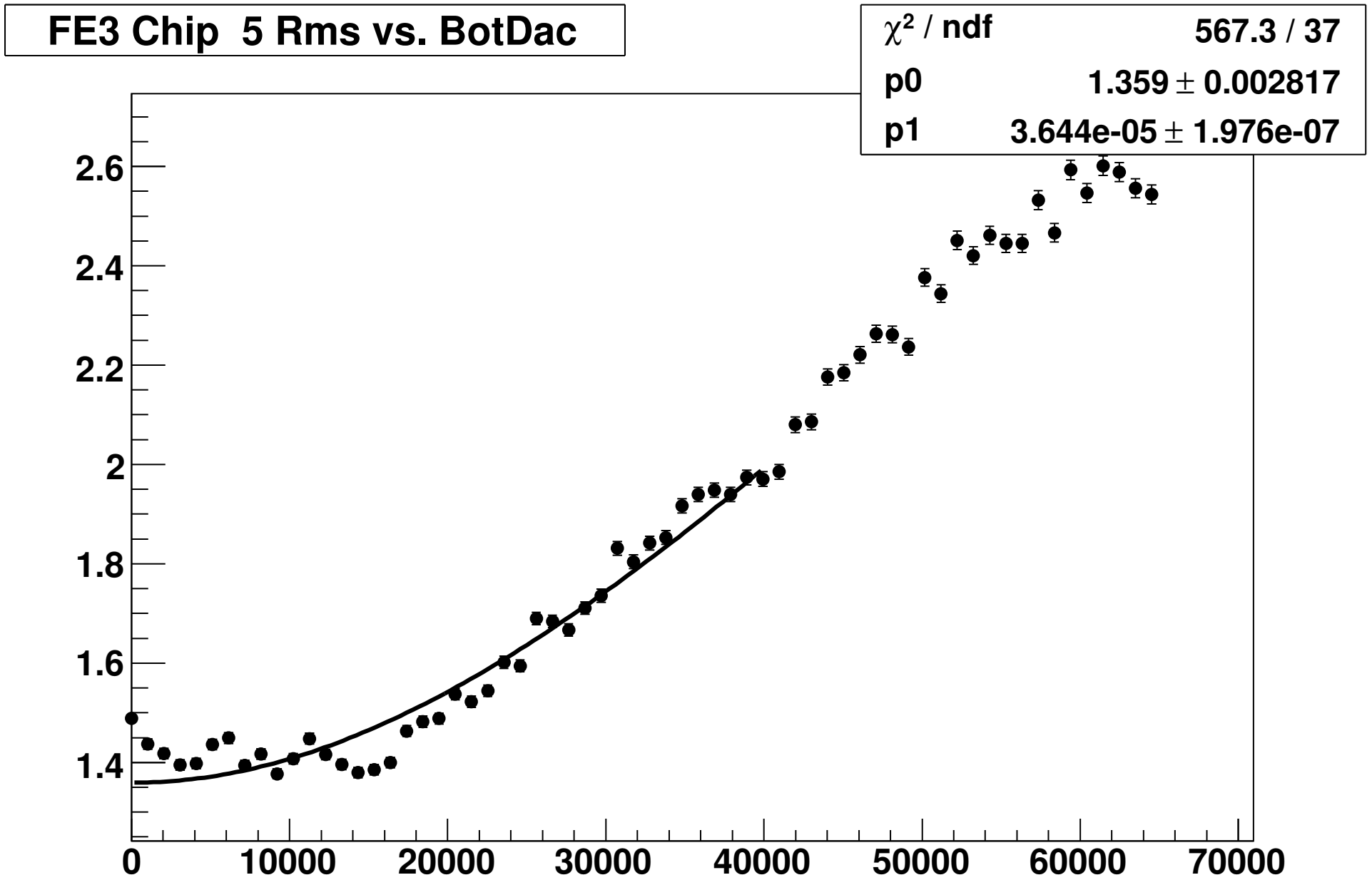
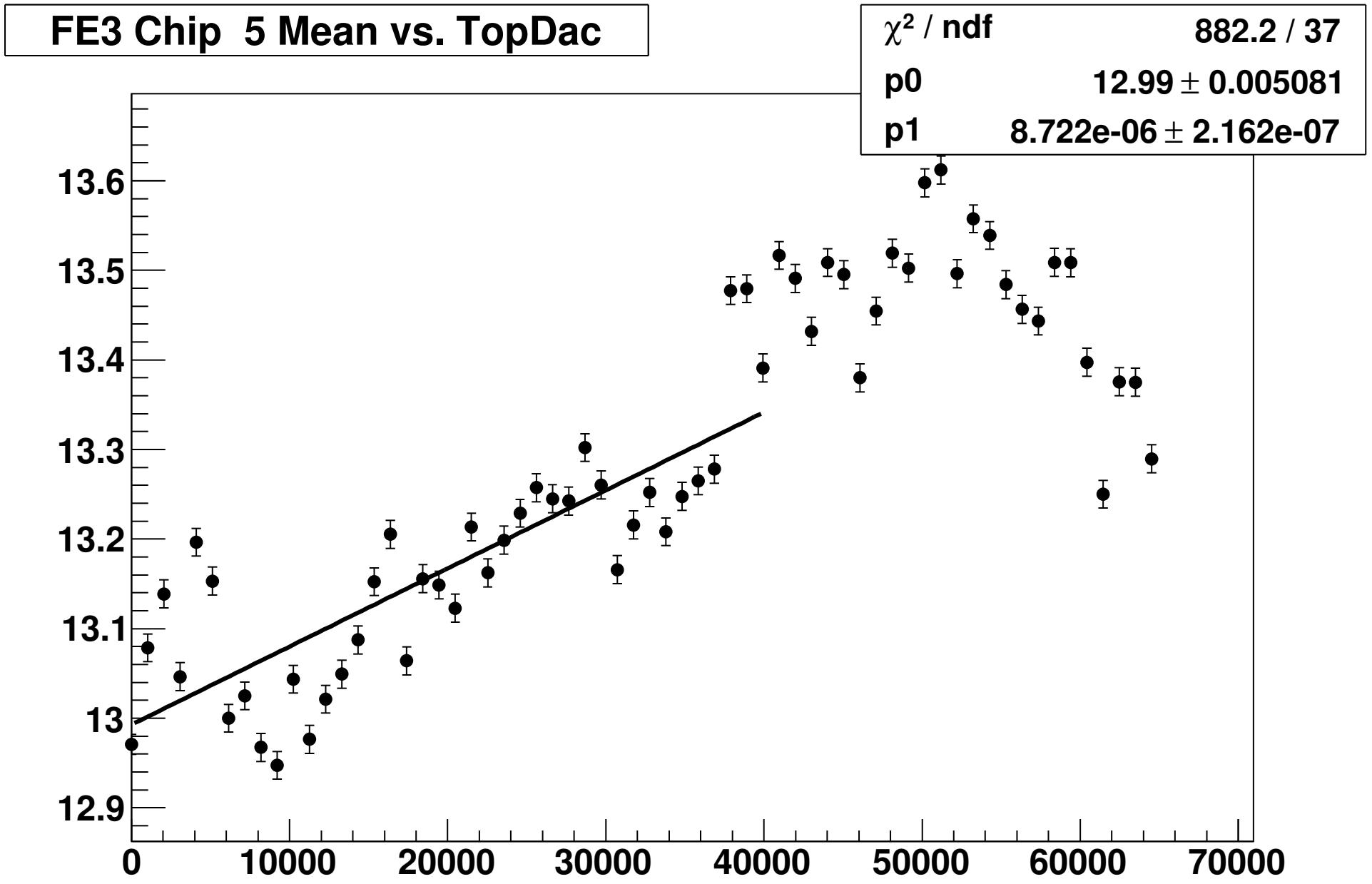
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 9.017e+04 / 37
p0 12.29 ± 0.005099
p1 0.4506 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 567.3 / 37
p0 1.359 ± 0.002817
p1 3.644e-05 ± 1.976e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 882.2 / 37
p0 12.99 ± 0.005081
p1 8.722e-06 ± 2.162e-07
13.6
13.5
13.4
13.3
13.2
13.1
13
12.9
0
10000
20000
30000
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60000
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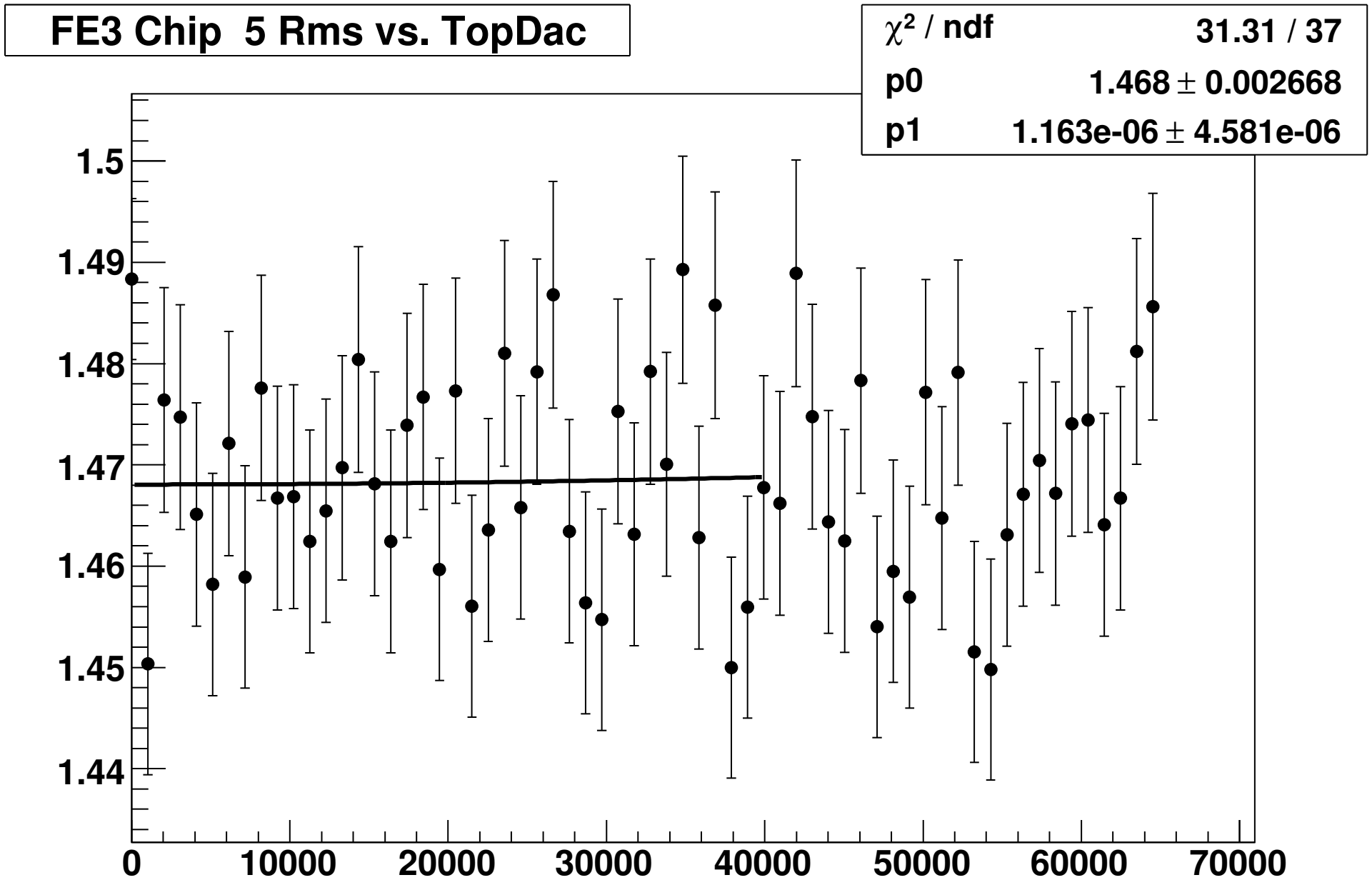
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 31.31 / 37
p0 1.468 ± 0.002668
p1 1.163e-06 ± 4.581e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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30000
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60000
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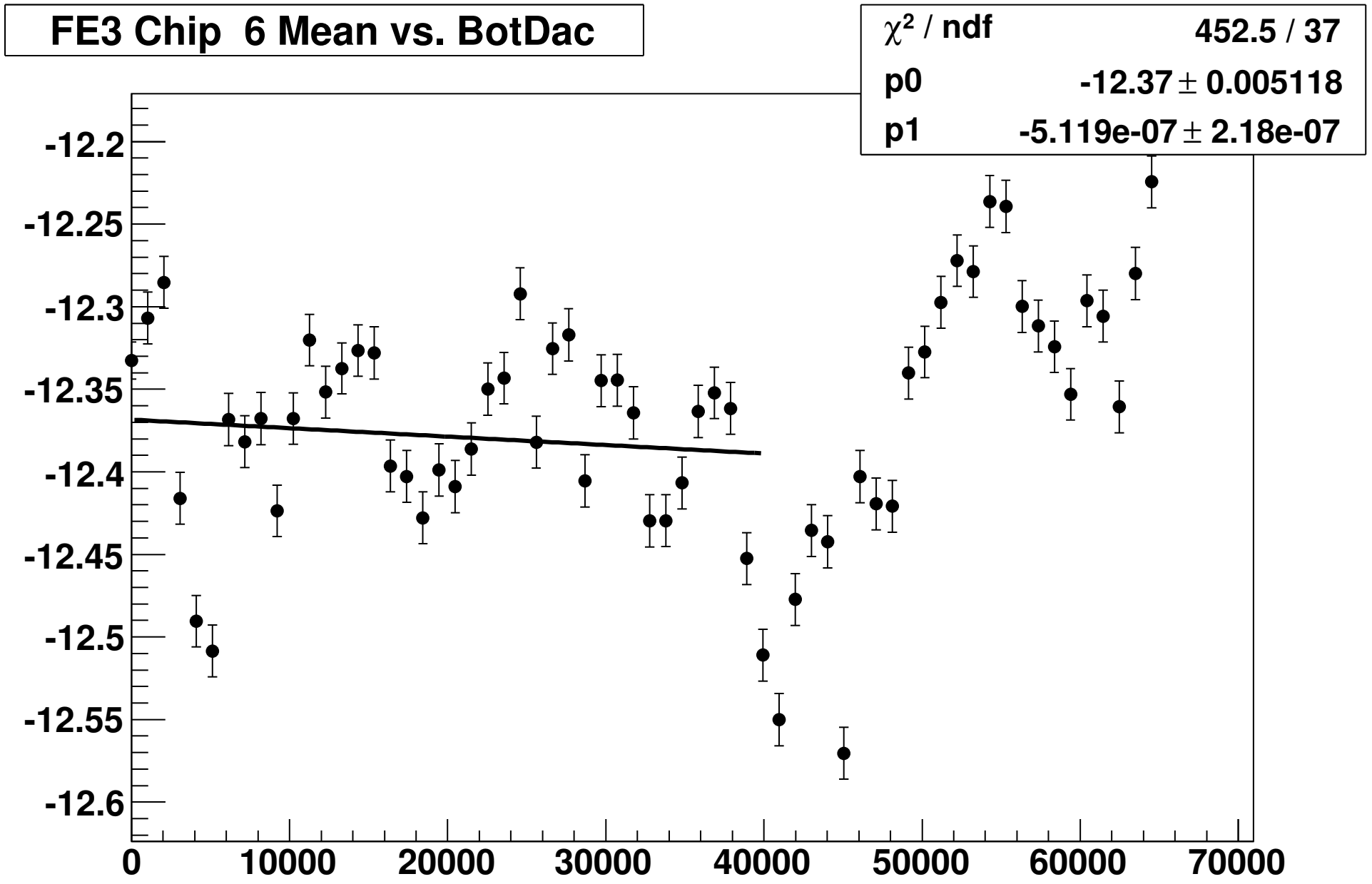
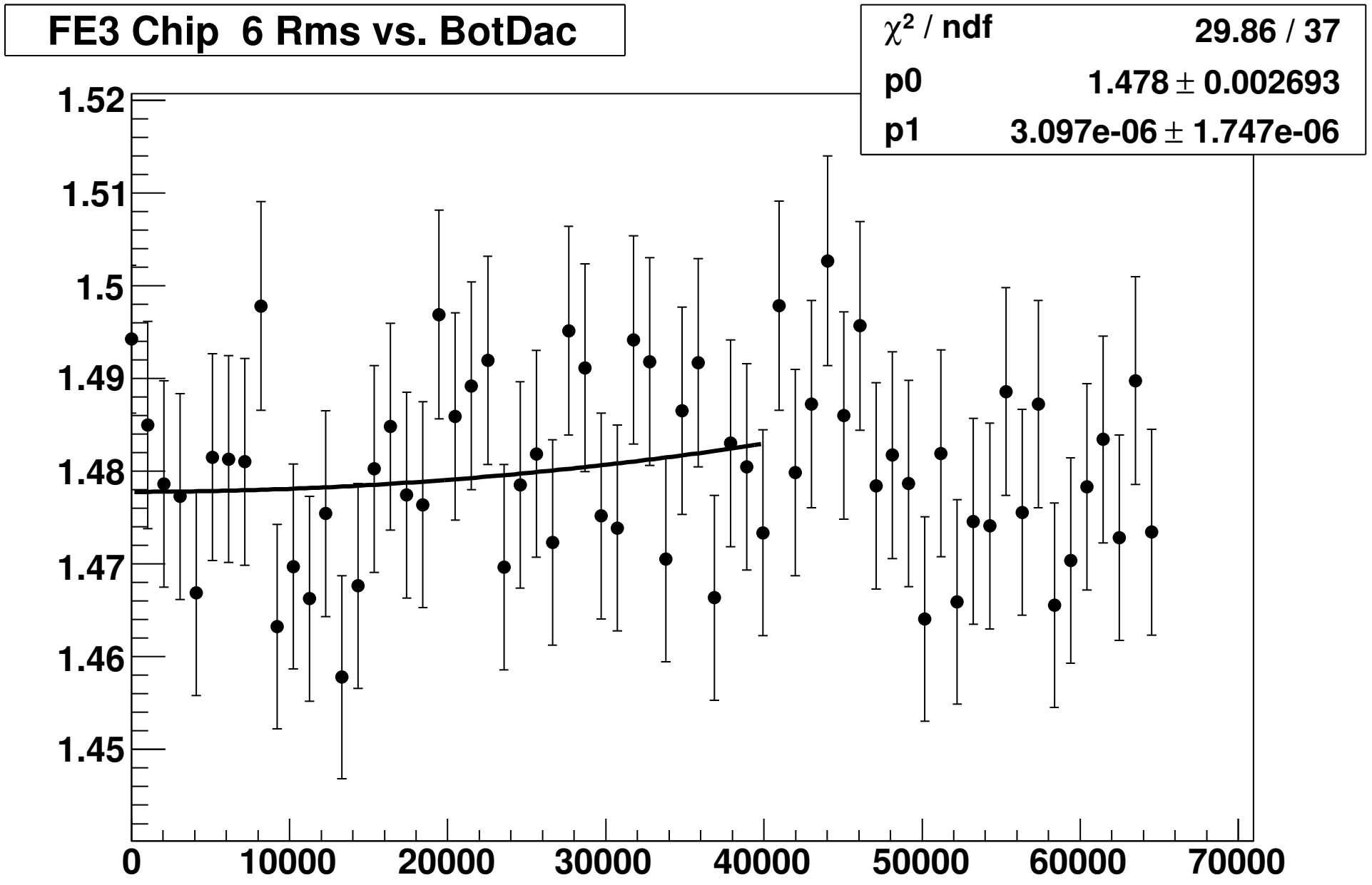
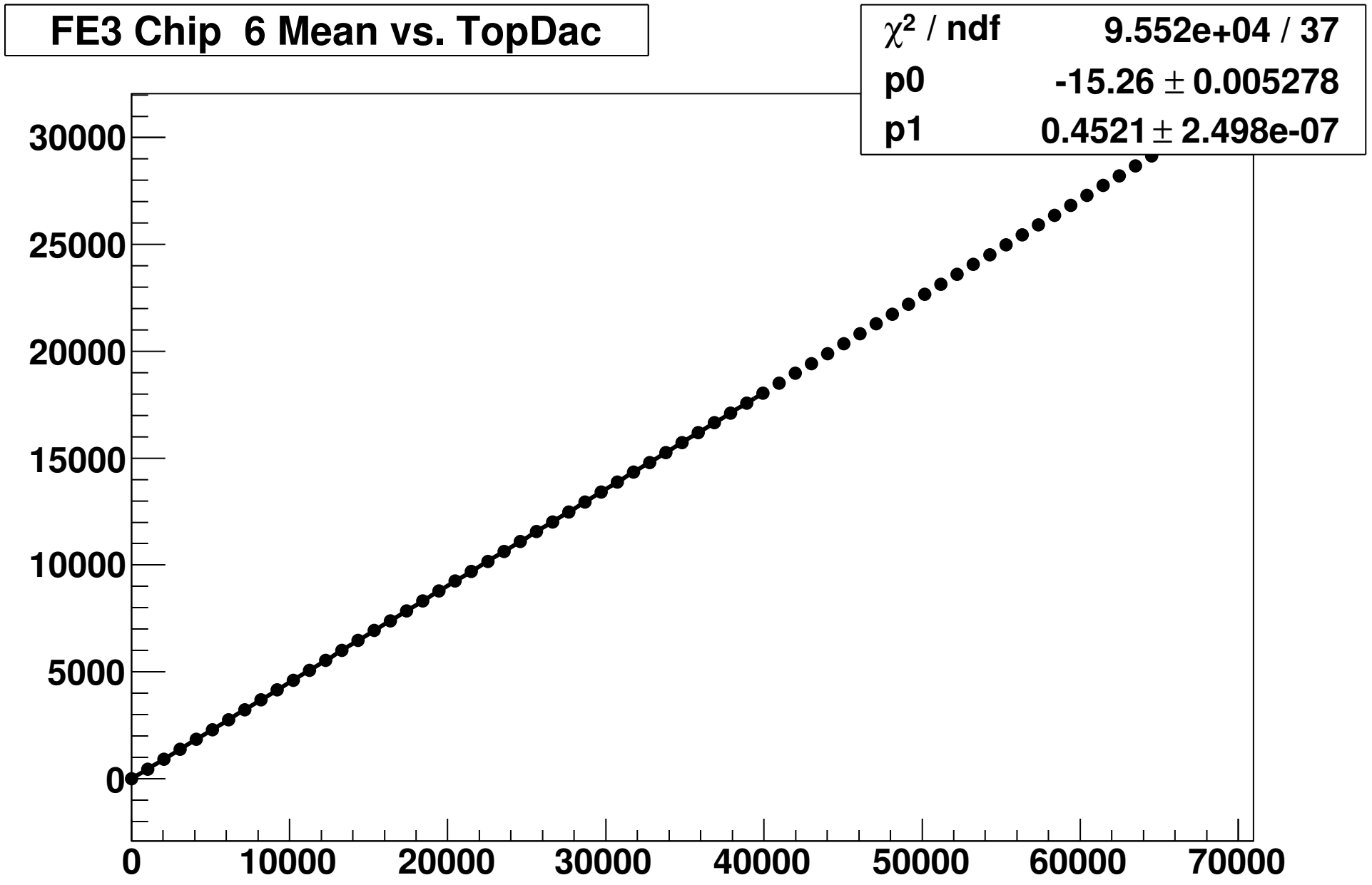
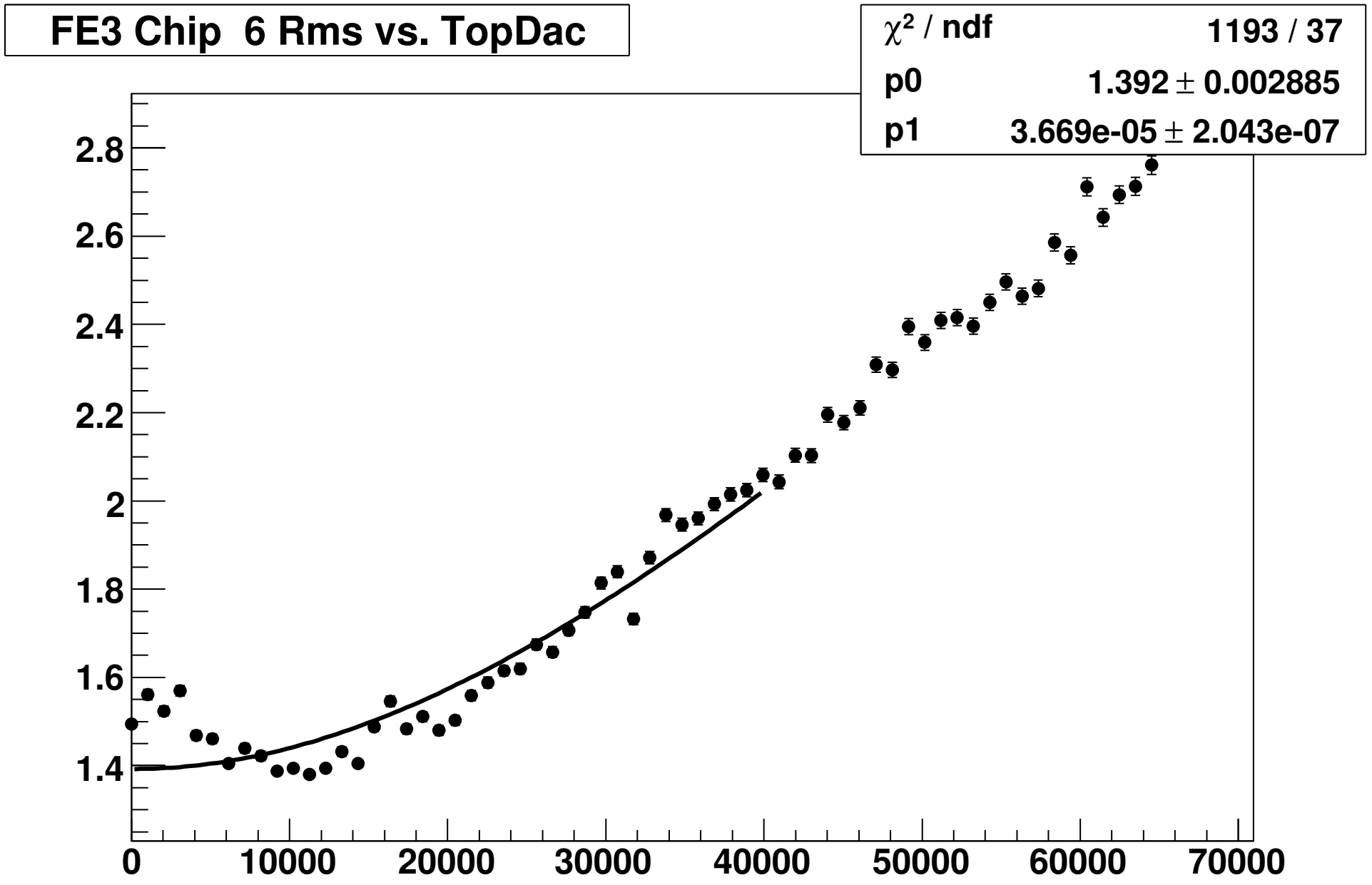
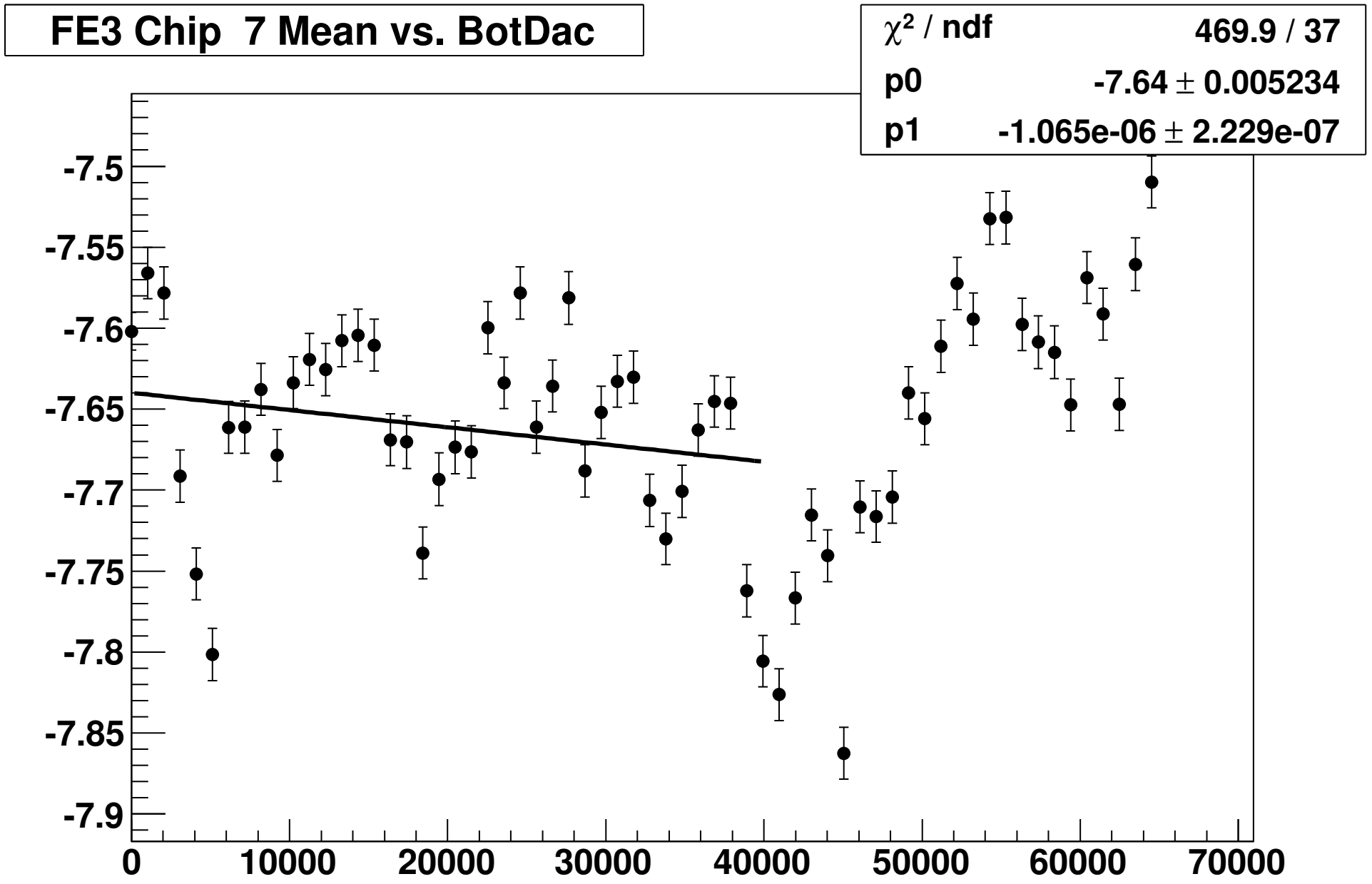
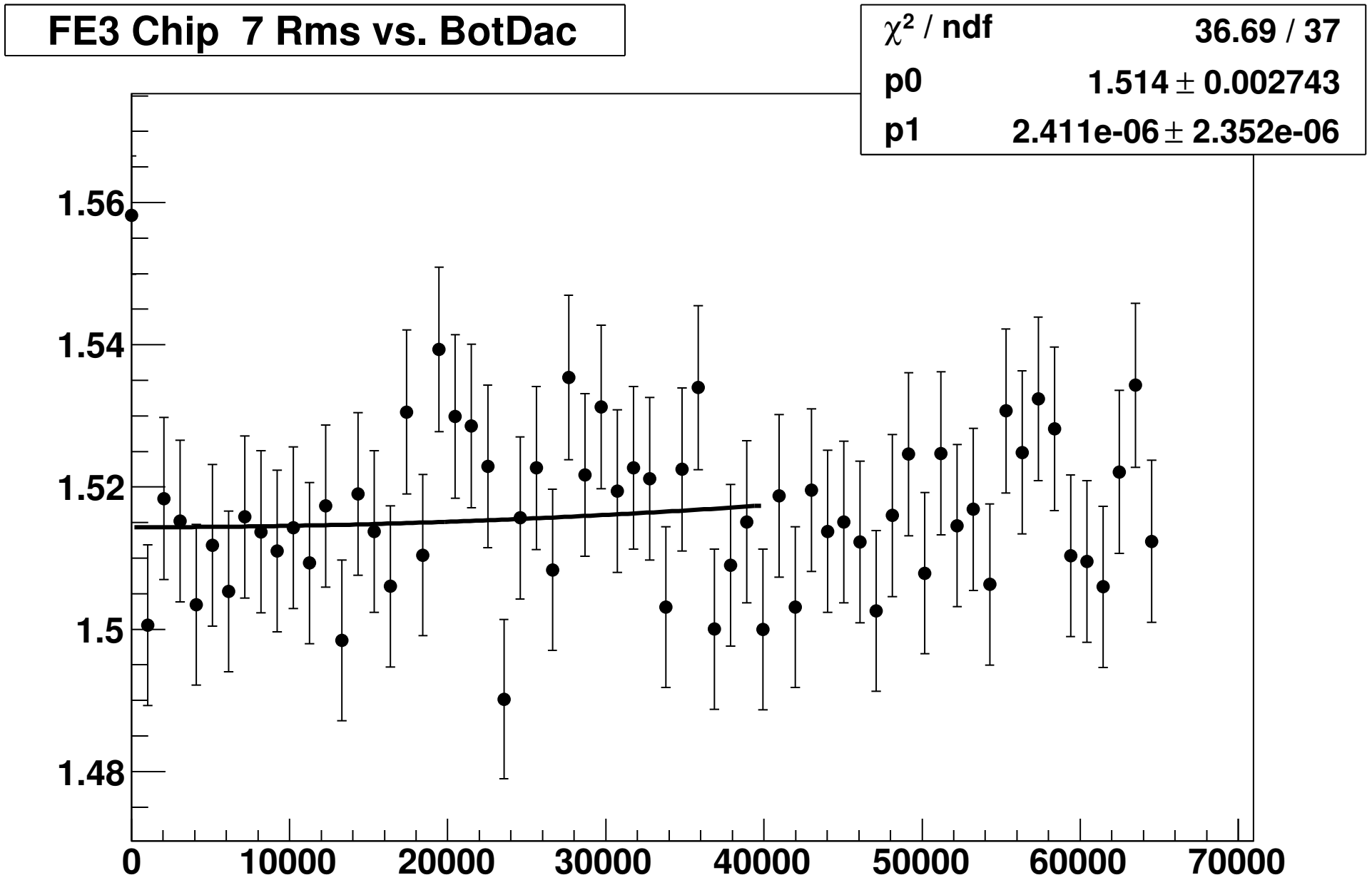

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 452.5 / 37
p0 -12.37 ± 0.005118
p1 -5.119e-07 ± 2.18e-07
-12.2
-12.25
-12.3
-12.35
-12.4
-12.45
-12.5
-12.55
-12.6
0
10000
20000
30000
40000
50000
60000
70000

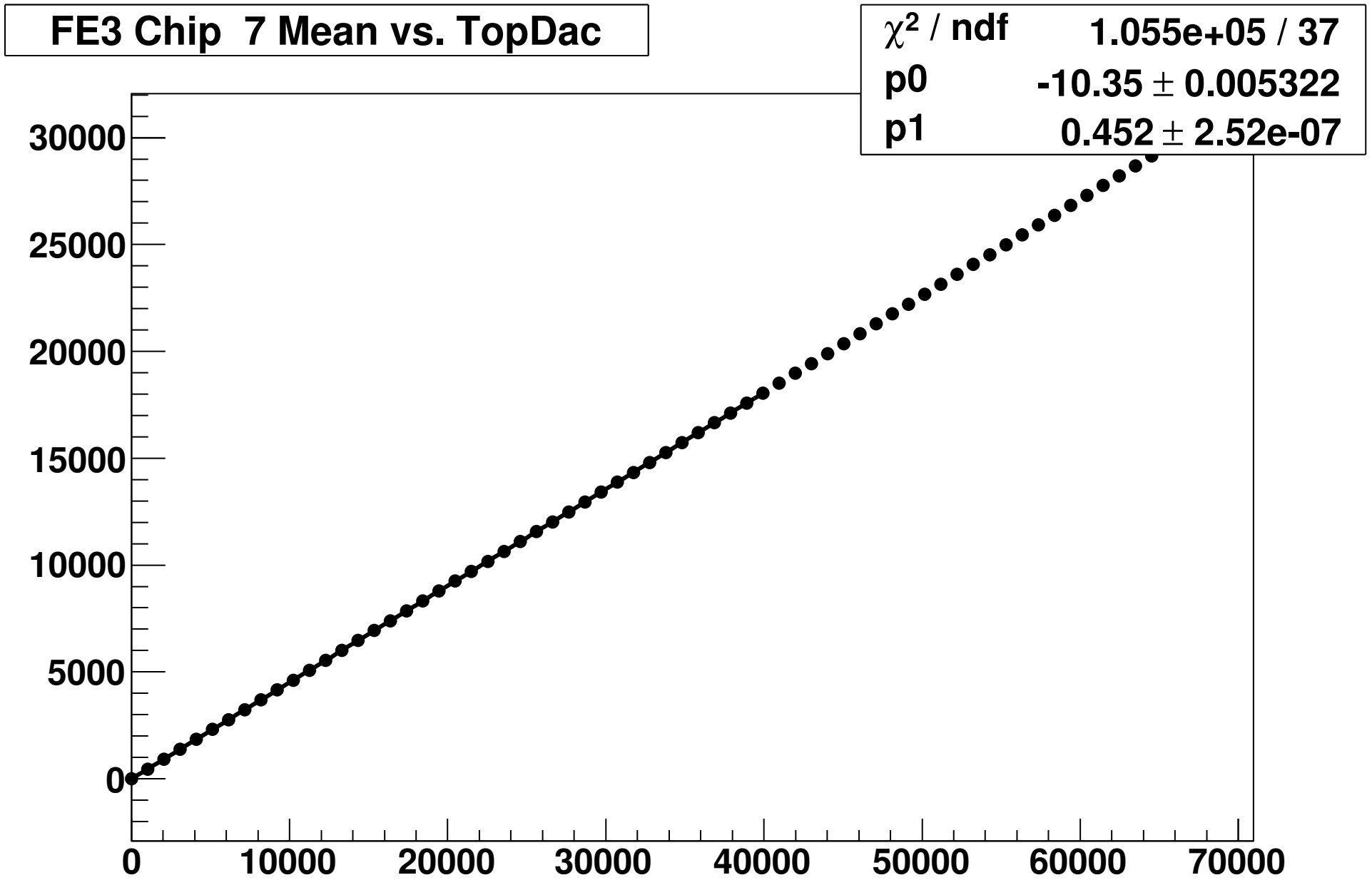

FE3 Chip 6 Rms vs. BotDac
χ² / ndf 29.86 / 37
p0 1.478 ± 0.002693
p1 3.097e-06 ± 1.747e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

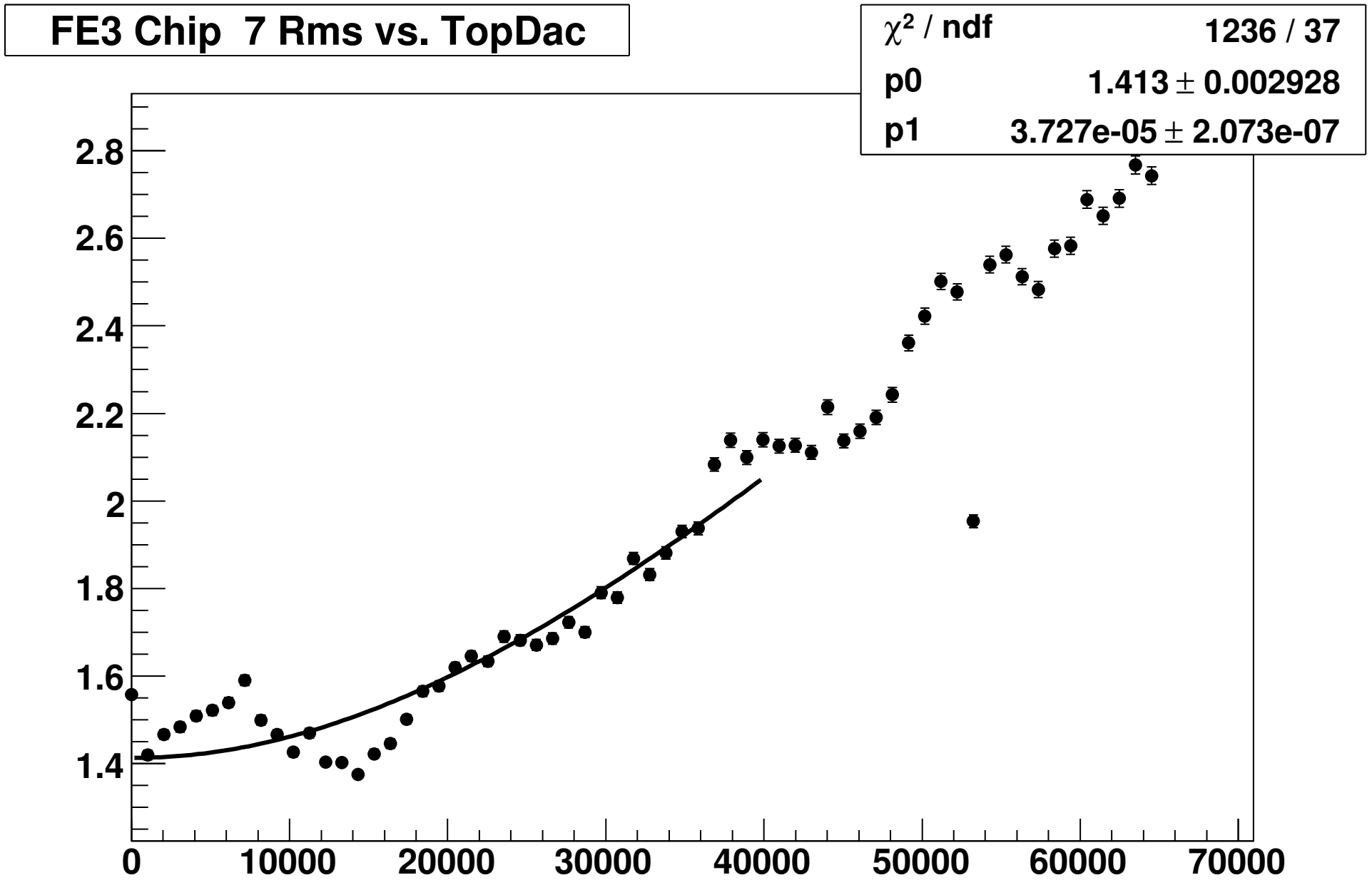

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 9.552e+04 / 37
p0 -15.26 ± 0.005278
p1 0.4521 ± 2.498e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

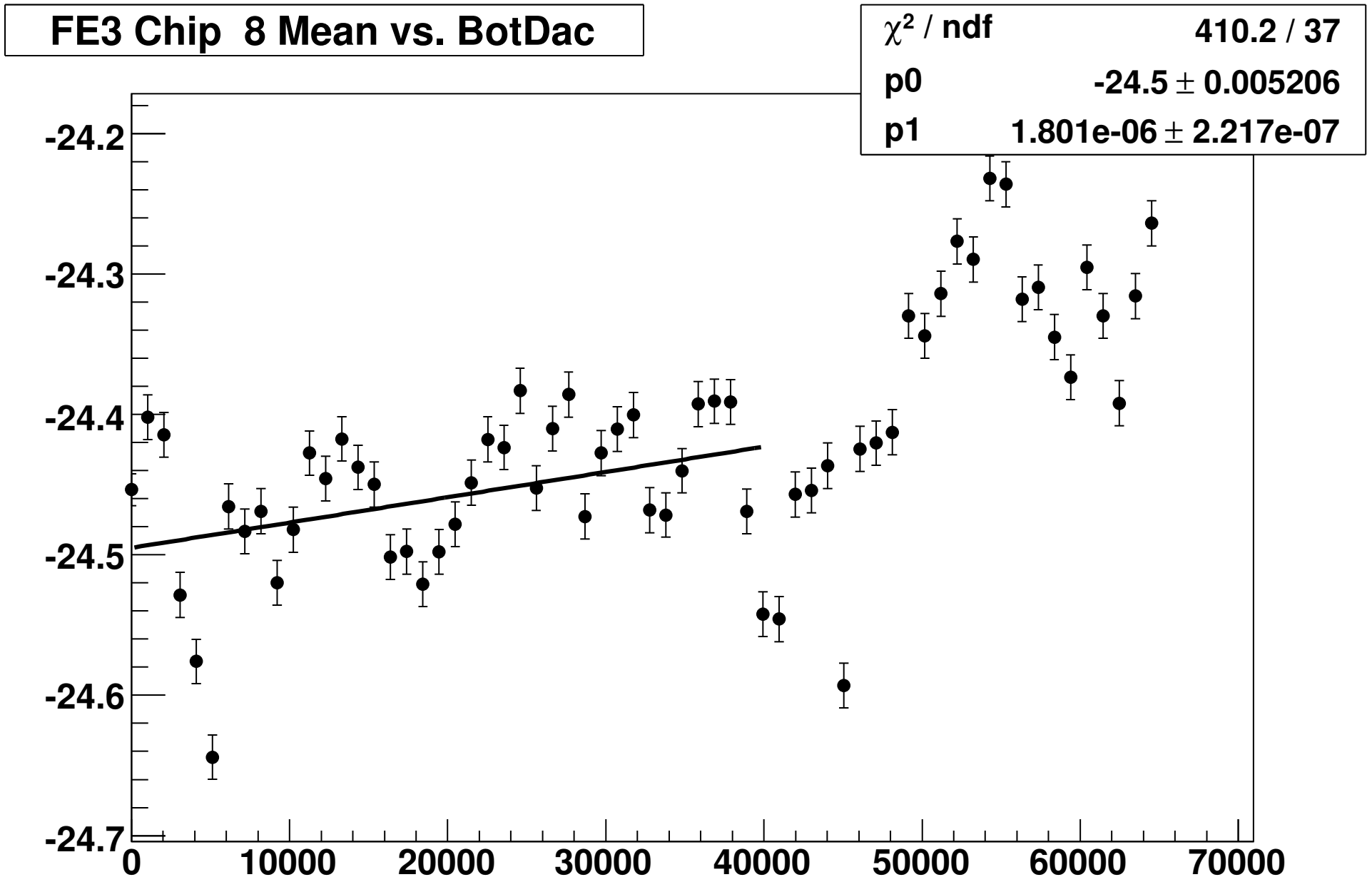

FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1193 / 37
p0 1.392 ± 0.002885
p1 3.669e-05 ± 2.043e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

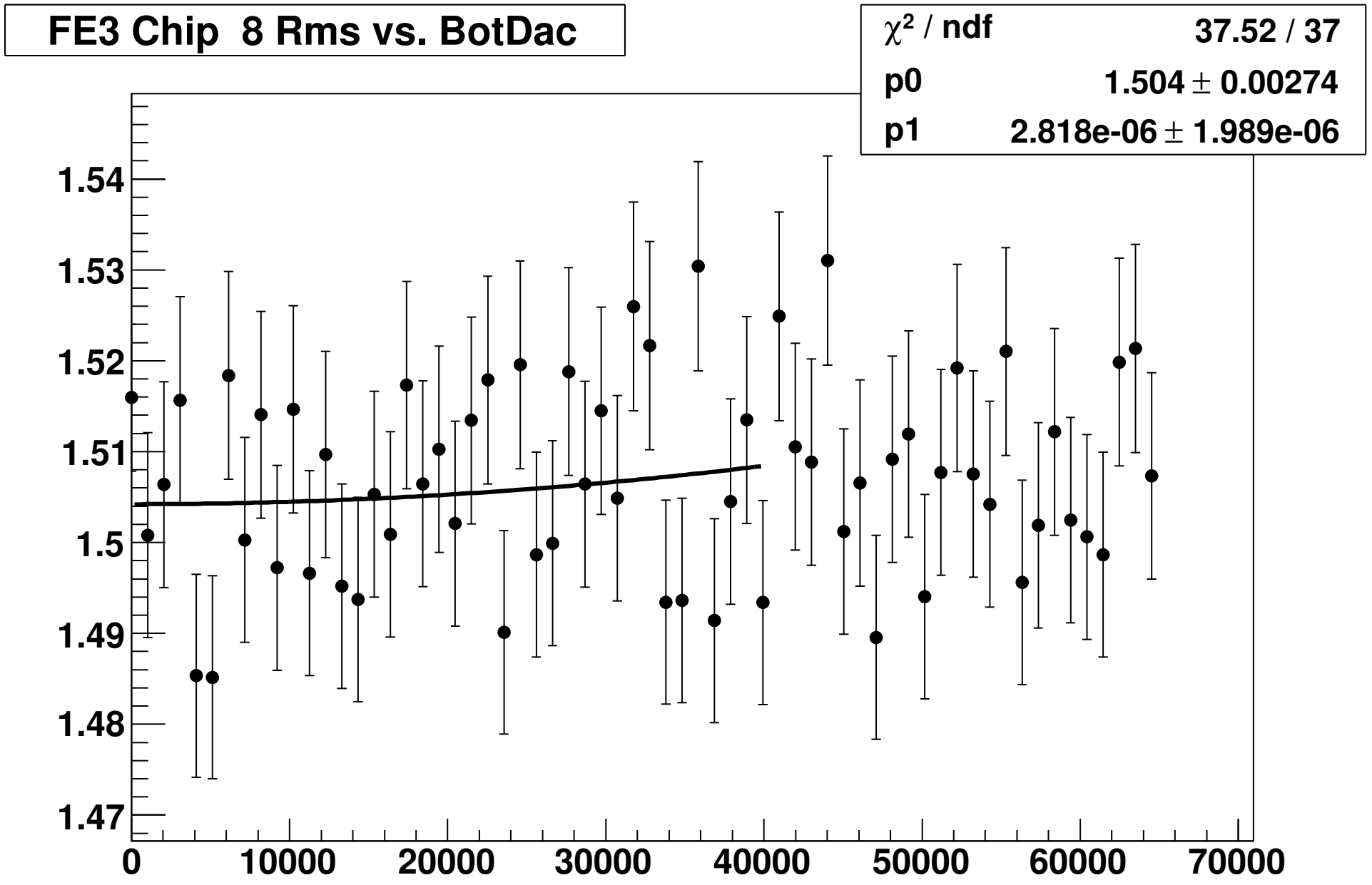

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 469.9 / 37
p0 -7.64 ± 0.005234
p1 -1.065e-06 ± 2.229e-07
-7.5
-7.55
-7.6
-7.65
-7.7
-7.75
-7.8
-7.85
-7.9
0
10000
20000
30000
40000
50000
60000
70000

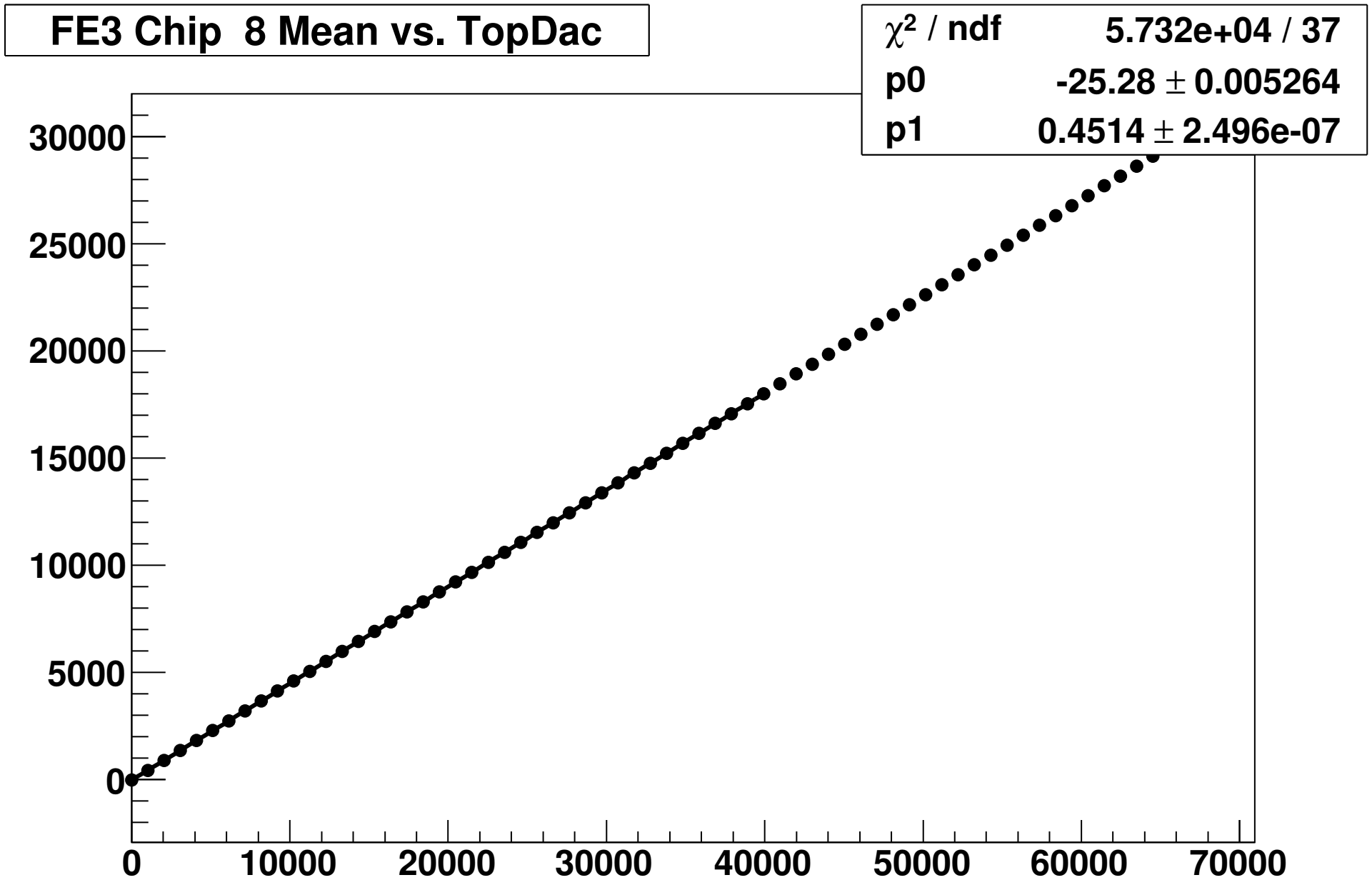

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 36.69 / 37
p0 1.514 ± 0.002743
p1 2.411e-06 ± 2.352e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

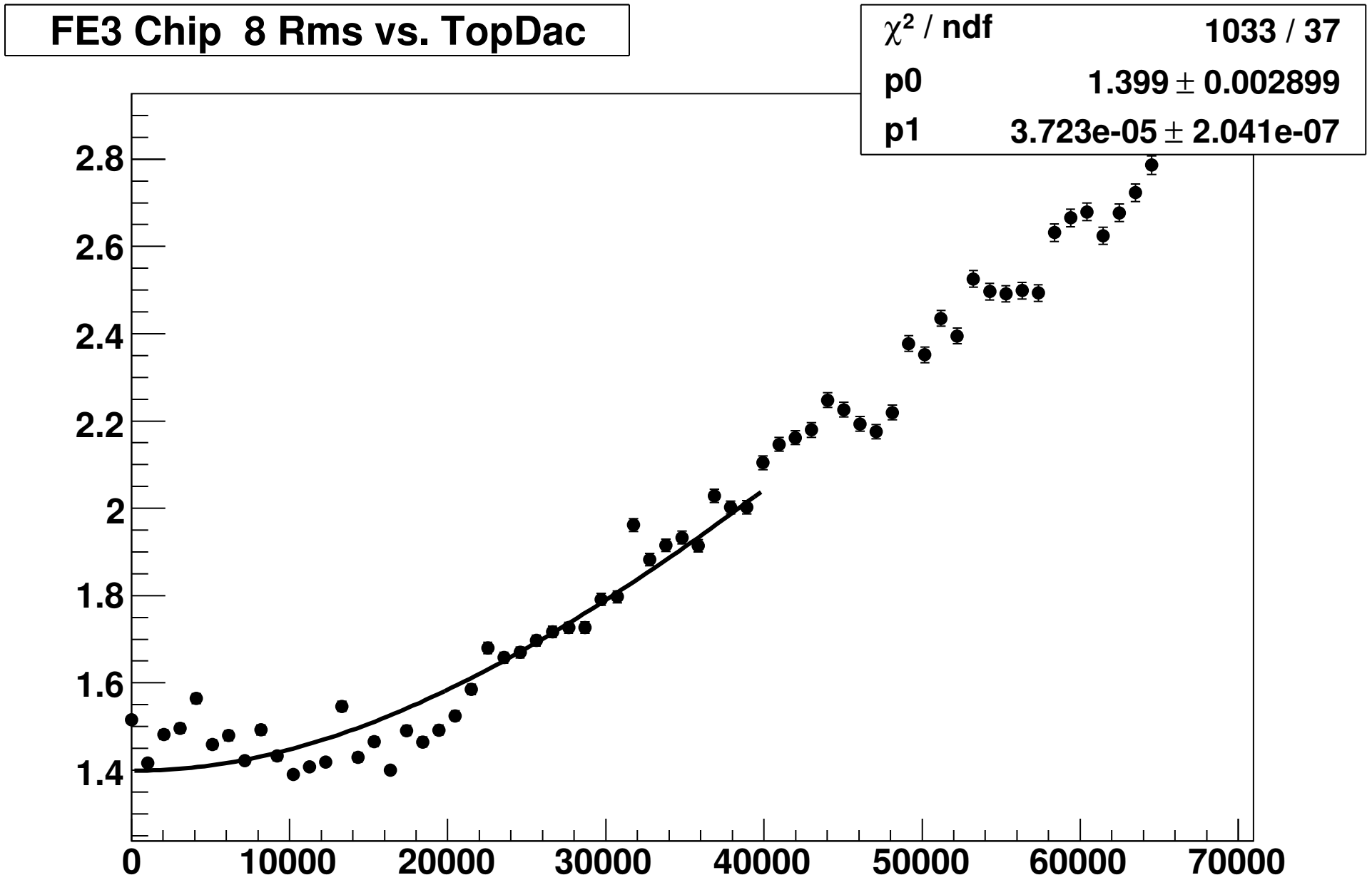

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.055e+05 / 37
p0 -10.35 ± 0.005322
p1 0.452 ± 2.52e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

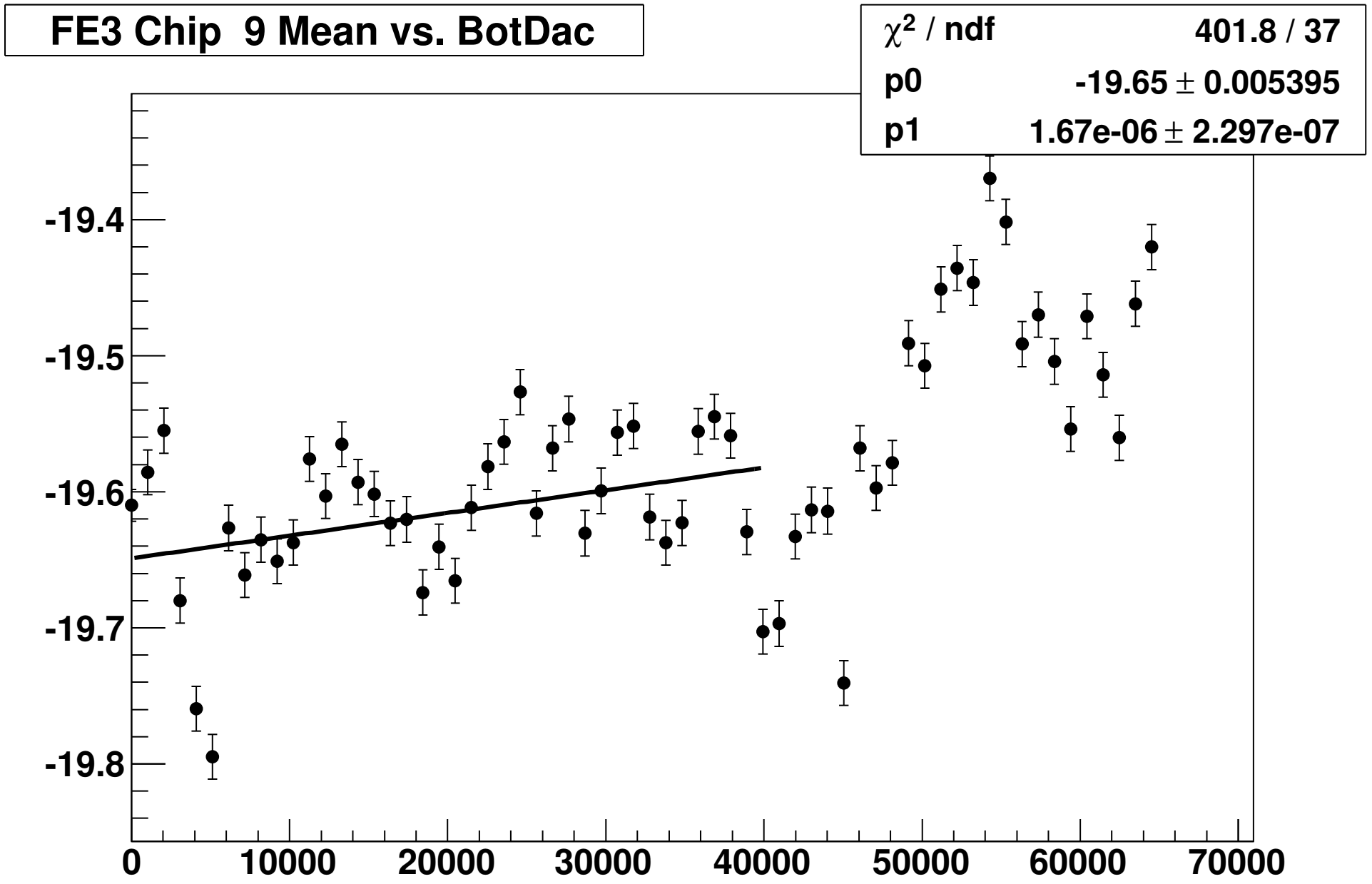

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1236 / 37
p0 1.413 ± 0.002928
p1 3.727e-05 ± 2.073e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

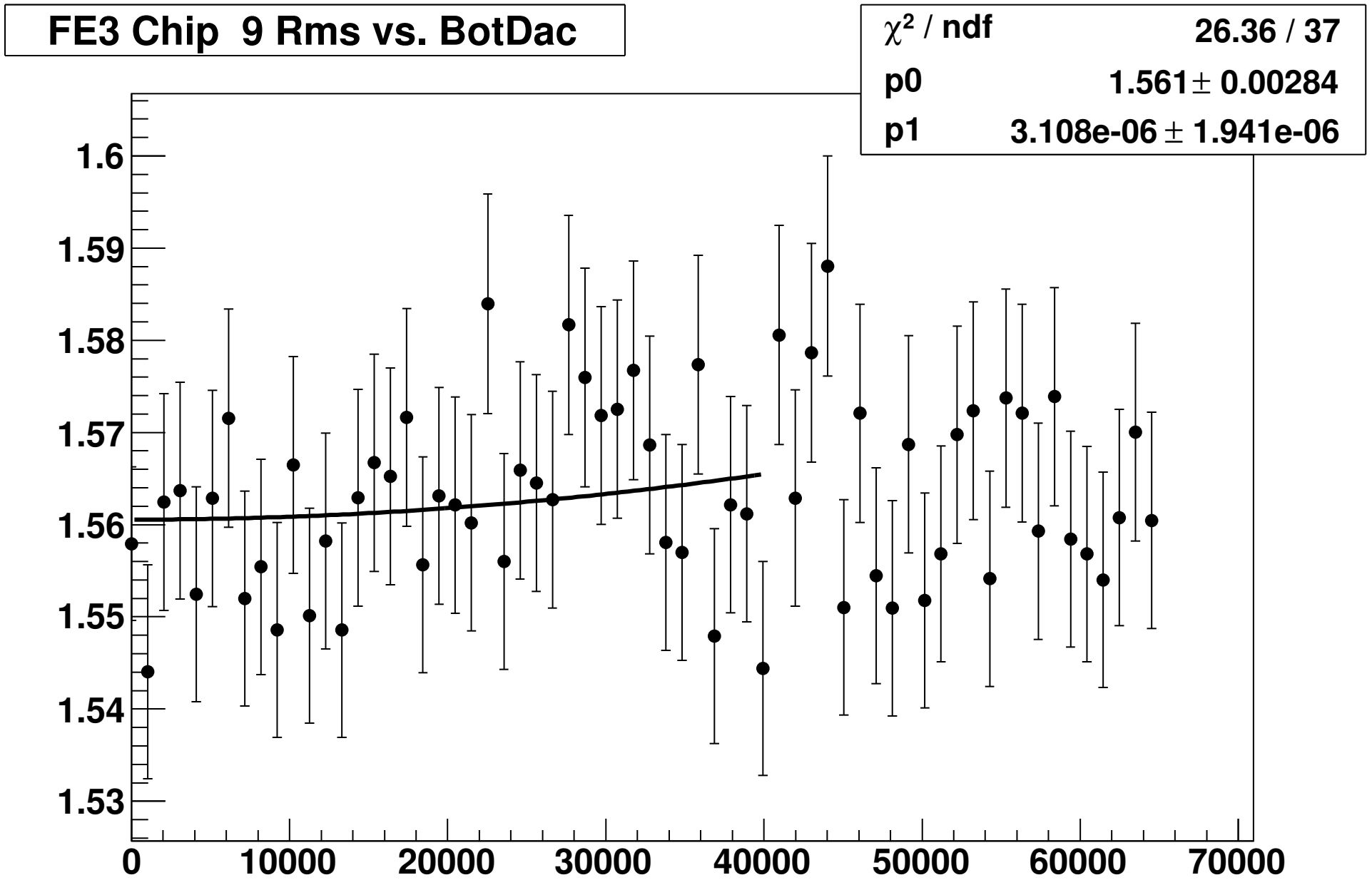

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 410.2 / 37
p0 -24.5 ± 0.005206
p1 1.801e-06 ± 2.217e-07
-24.2
-24.3
-24.4
-24.5
-24.6
-24.7
0
10000
20000
30000
40000
50000
60000
70000

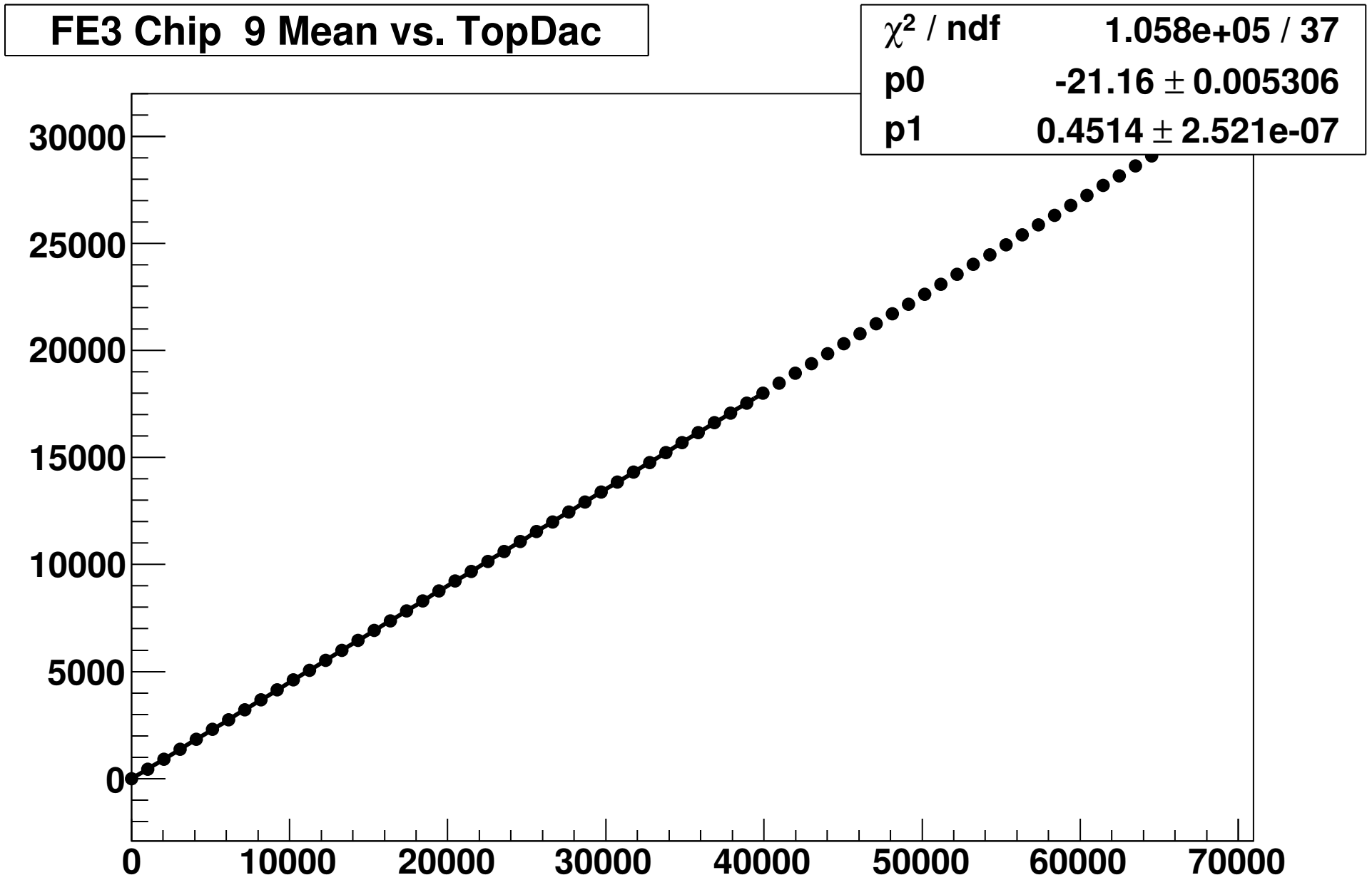

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 37.52 / 37
p0 1.504 ± 0.00274
p1 2.818e-06 ± 1.989e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

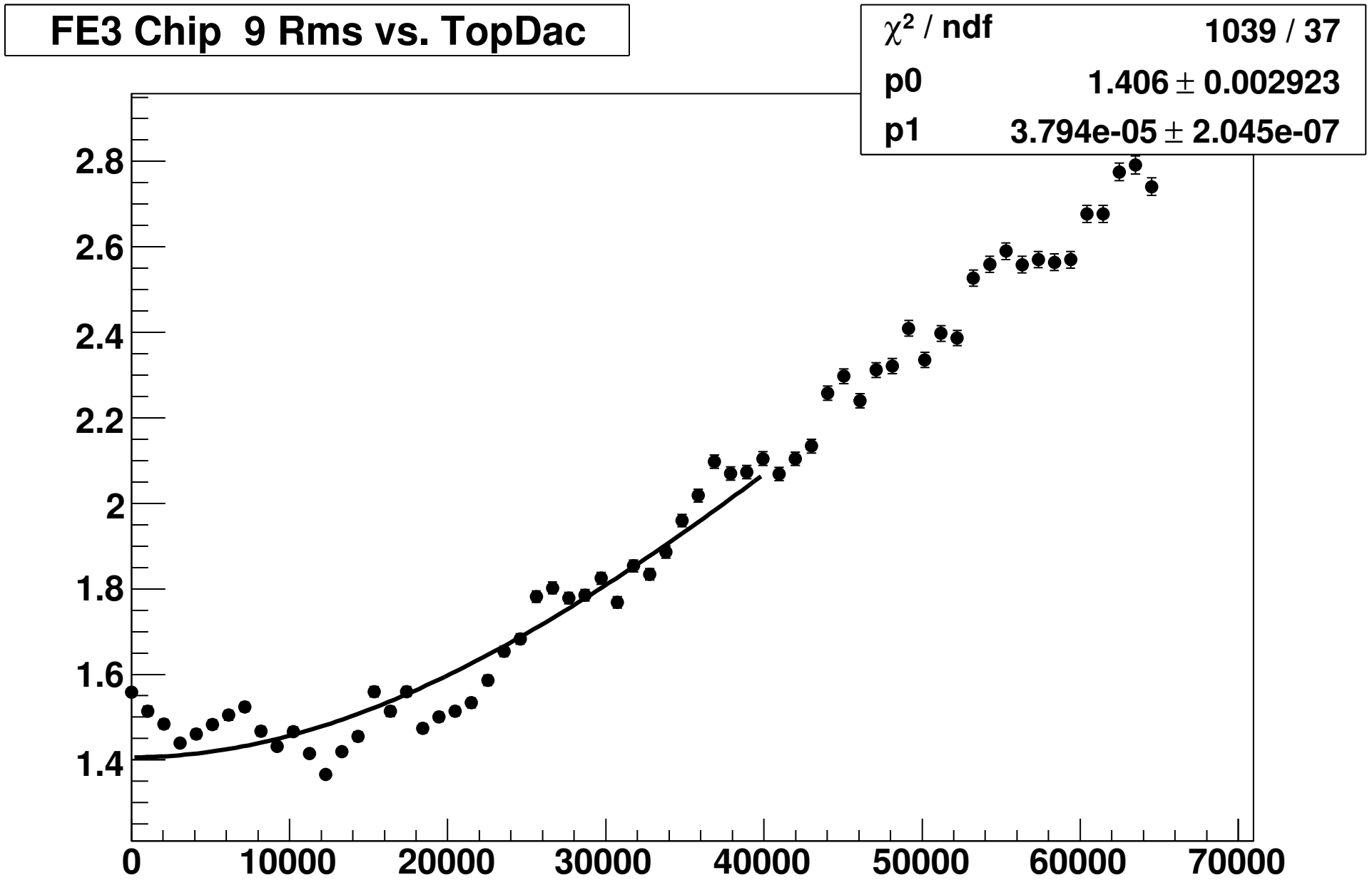

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 5.732e+04 / 37
p0 -25.28 ± 0.005264
p1 0.4514 ± 2.496e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

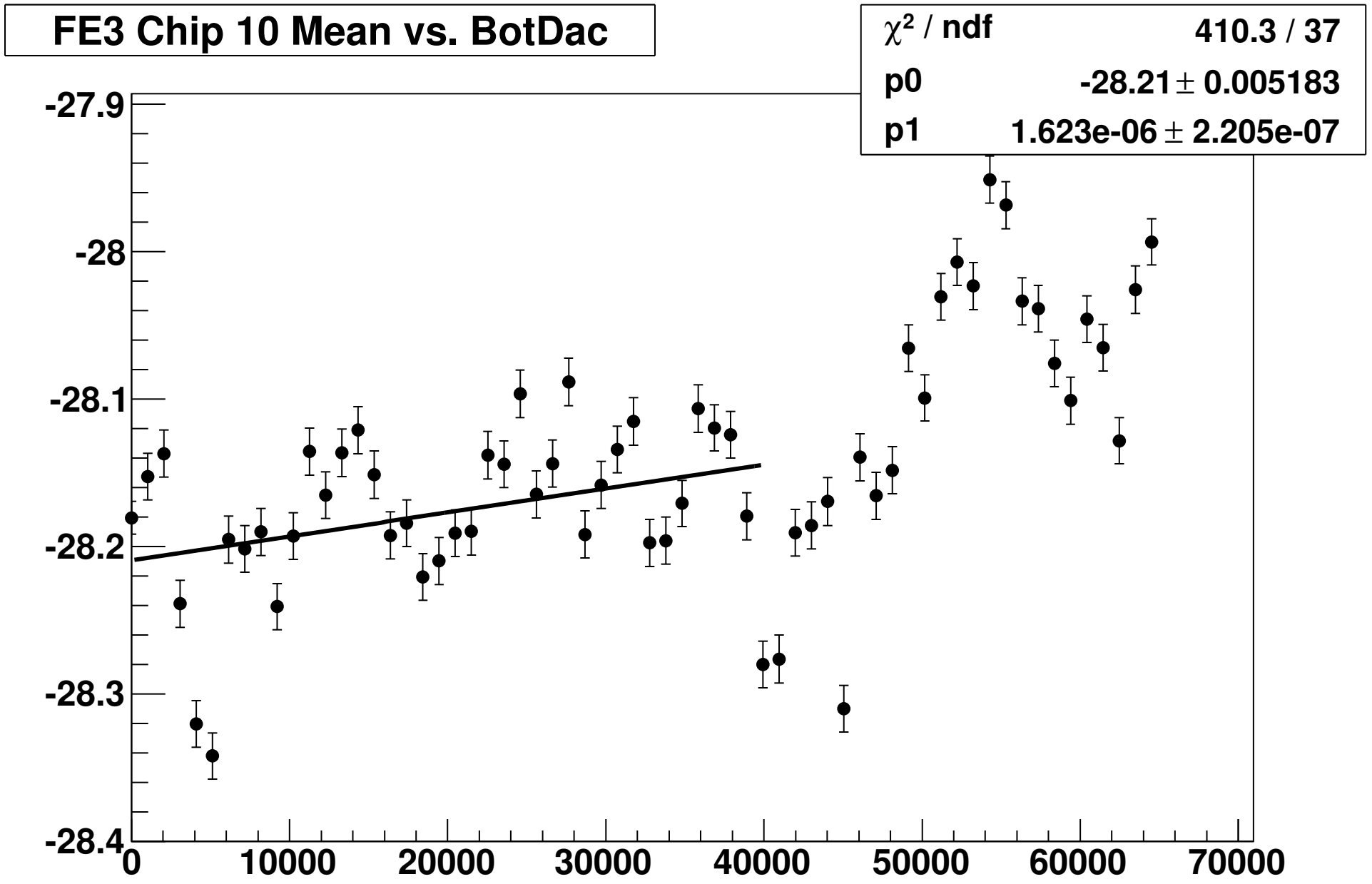

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 1033 / 37
p0 1.399 ± 0.002899
p1 3.723e-05 ± 2.041e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

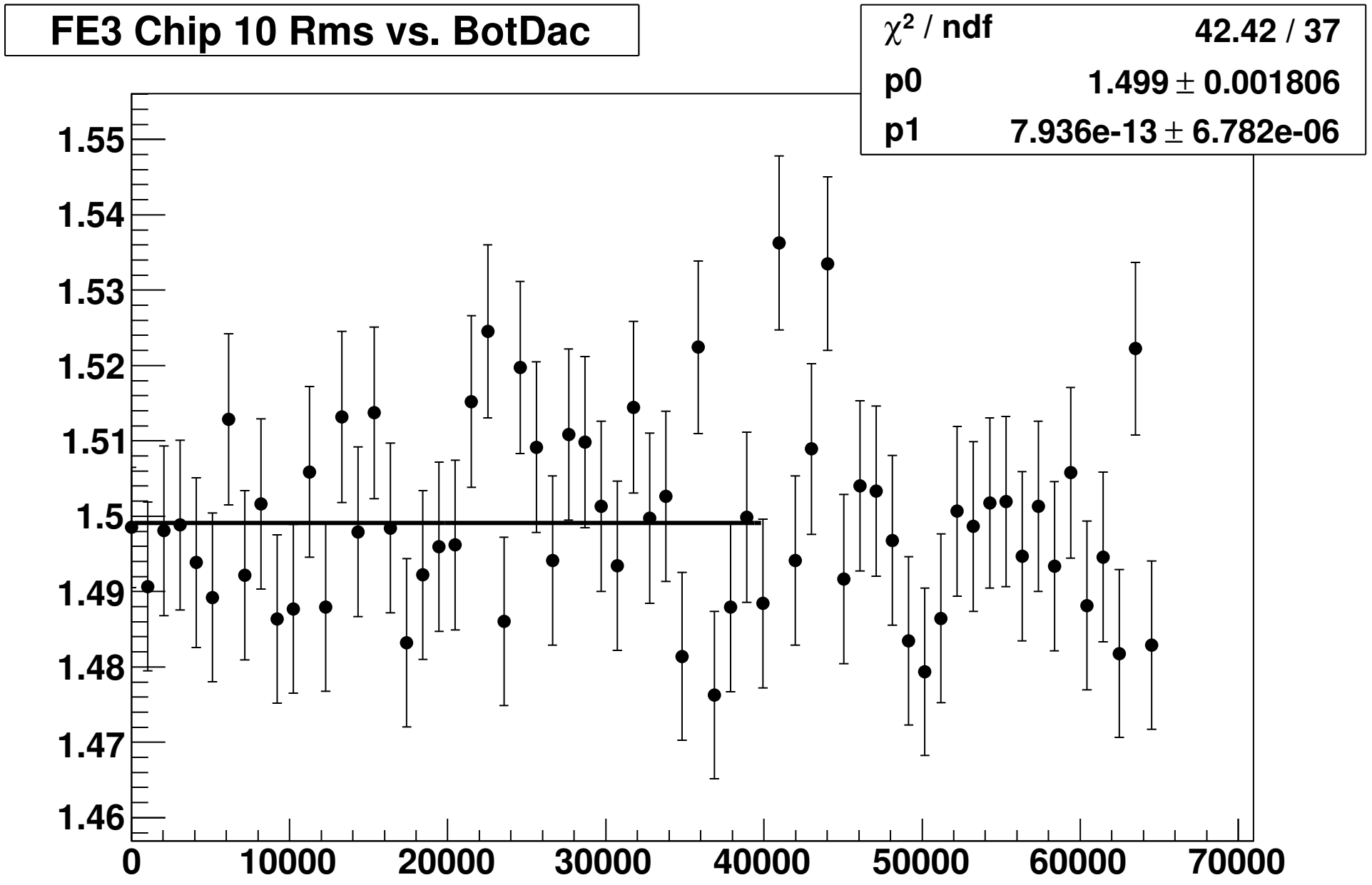

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 401.8 / 37
p0 -19.65 ± 0.005395
p1 1.67e-06 ± 2.297e-07
-19.4
-19.5
-19.6
-19.7
-19.8
0
10000
20000
30000
40000
50000
60000
70000

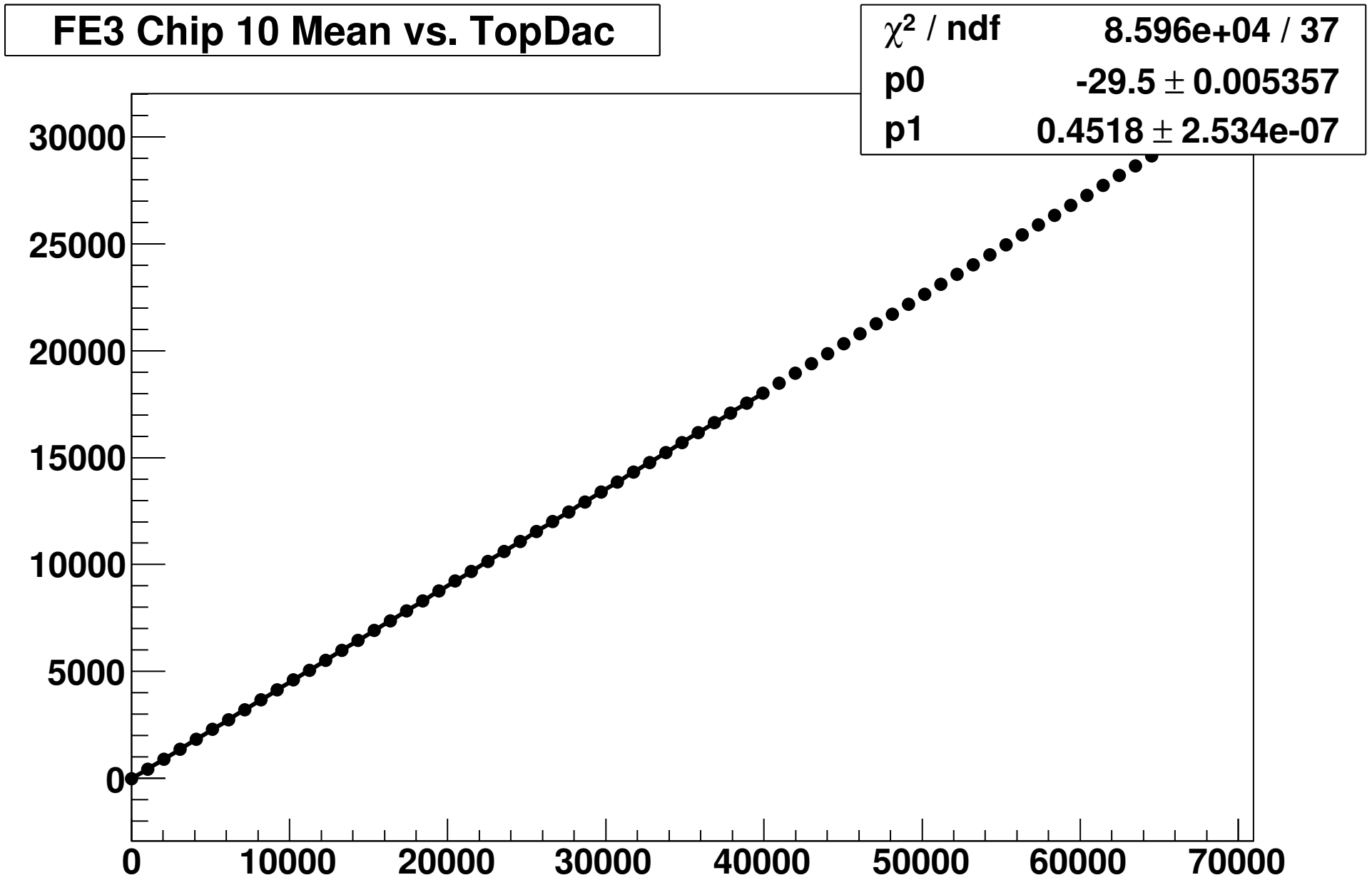

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 26.36 / 37
p0 1.561 ± 0.00284
p1 3.108e-06 ± 1.941e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000

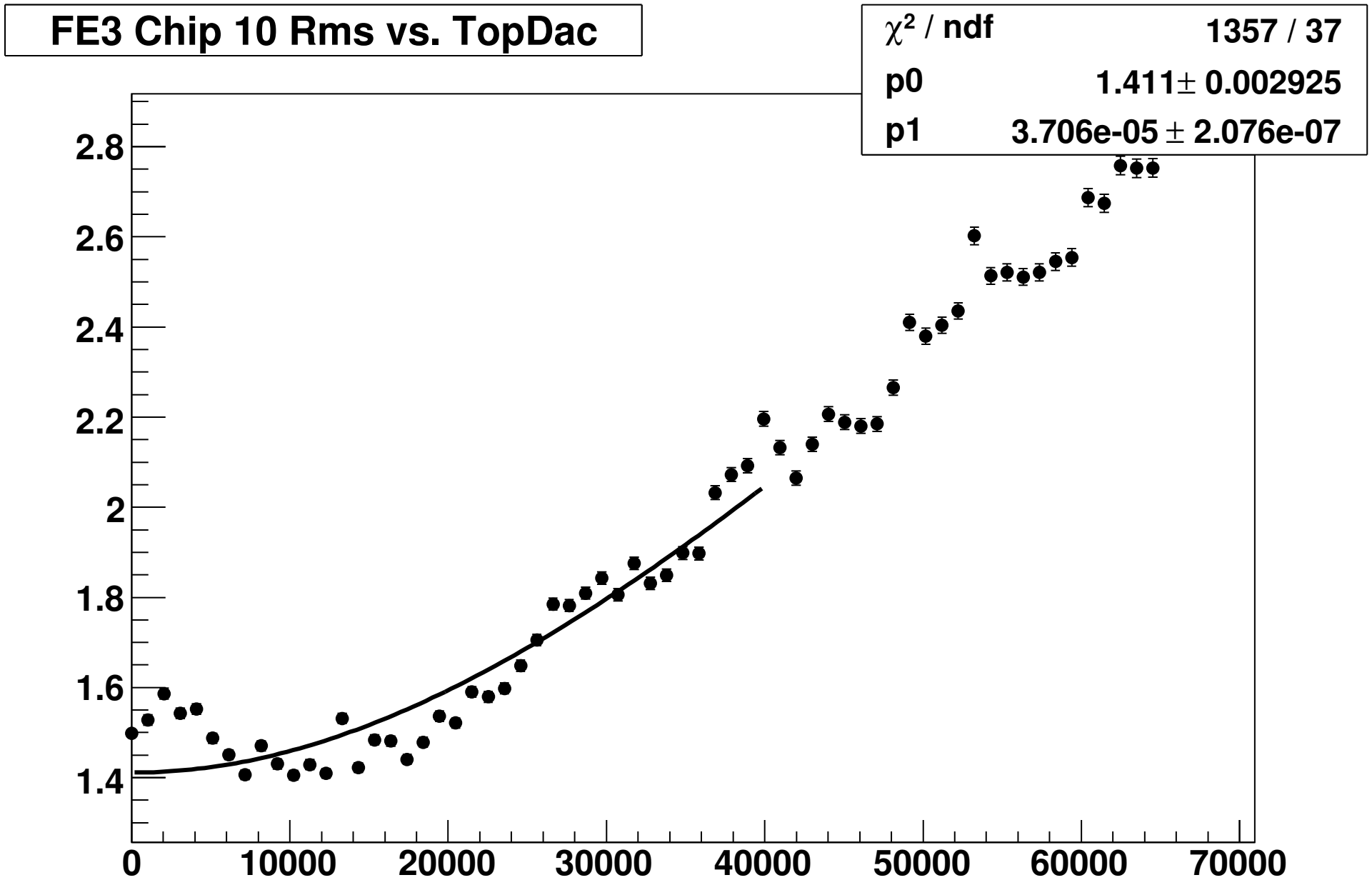

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 1.058e+05 / 37
p0 -21.16 ± 0.005306
p1 0.4514 ± 2.521e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

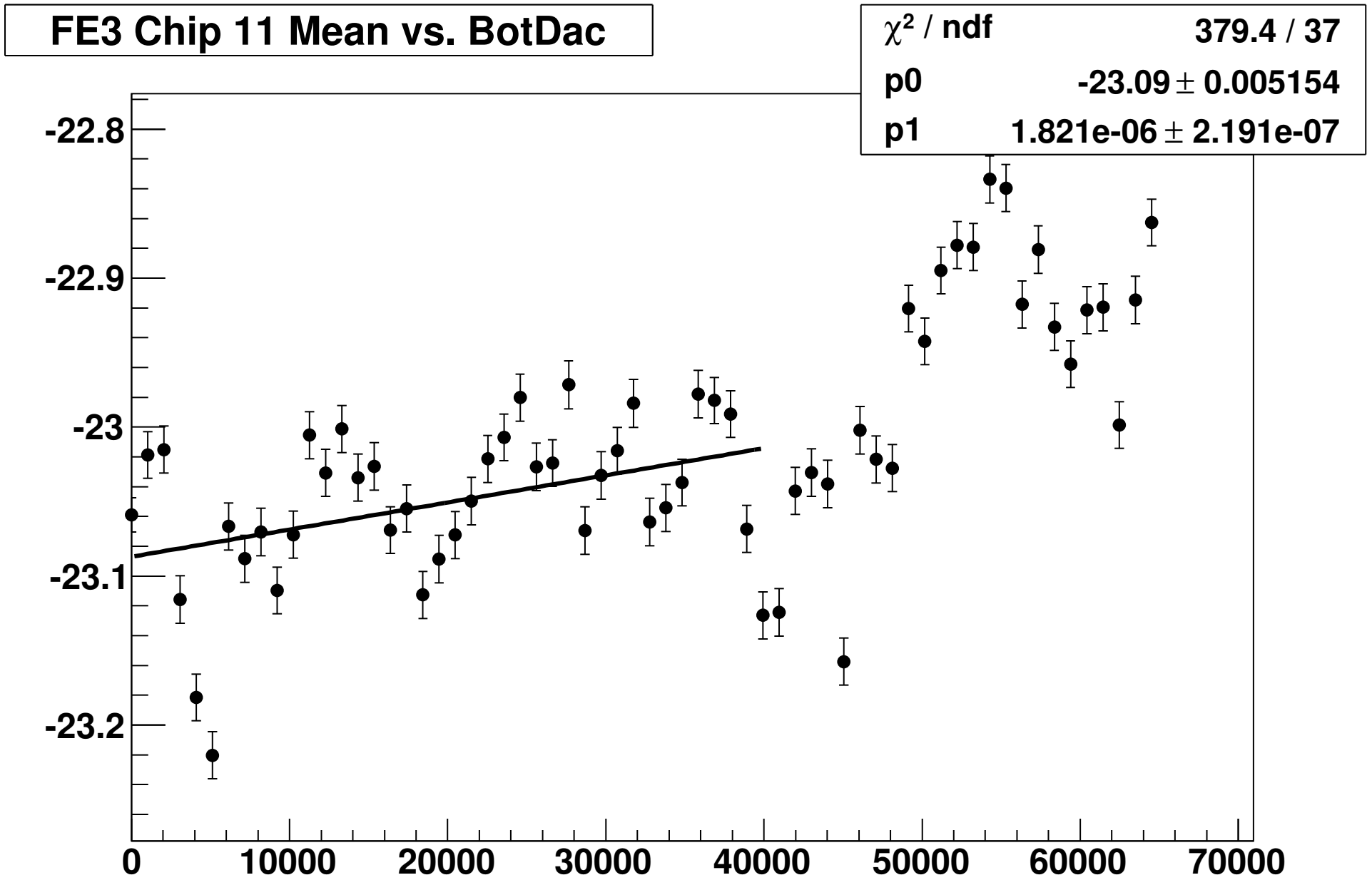

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1039 / 37
p0 1.406 ± 0.002923
p1 3.794e-05 ± 2.045e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

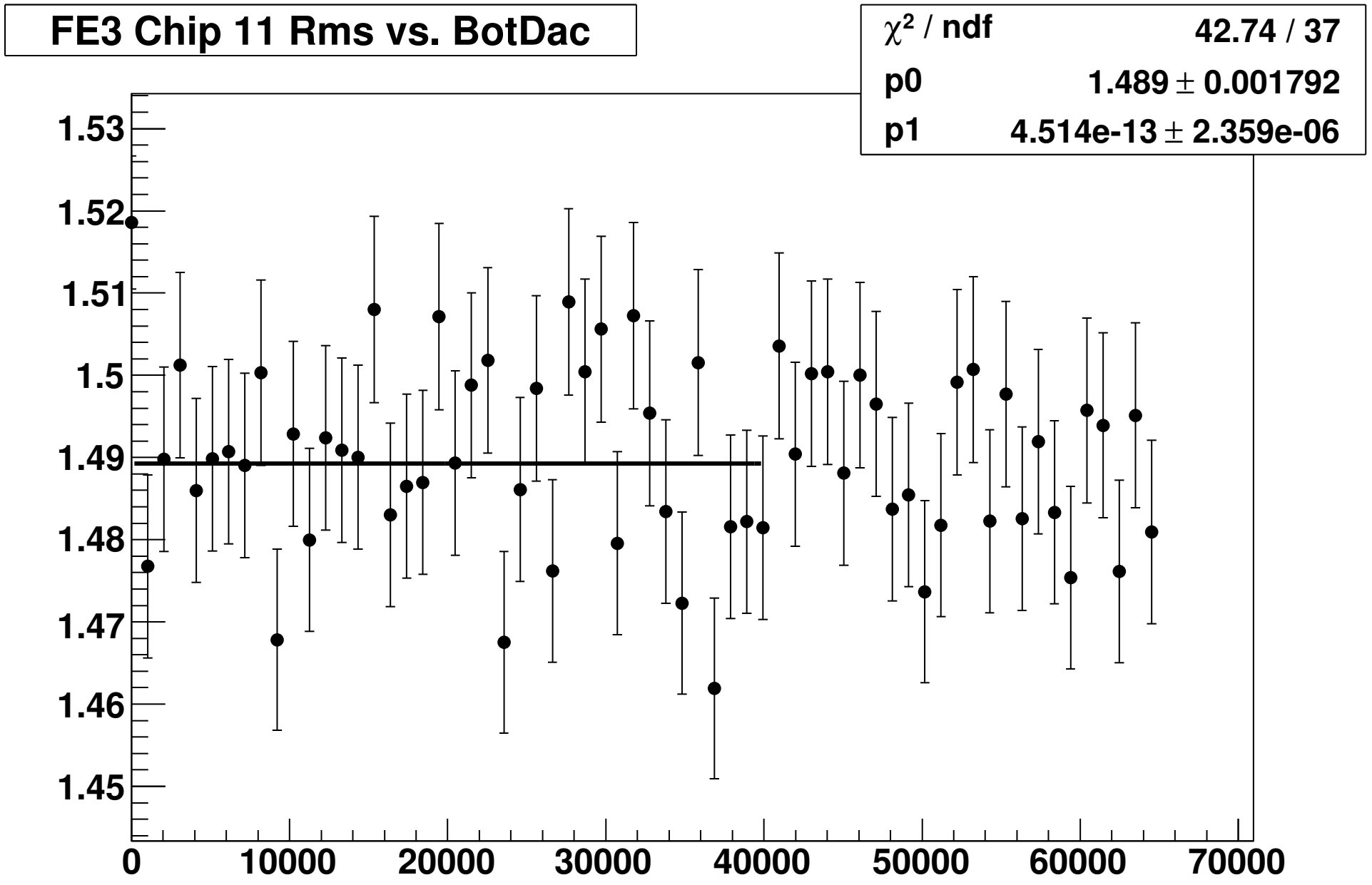

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 410.3 / 37
p0 -28.21 ± 0.005183
p1 1.623e-06 ± 2.205e-07
-27.9
-28
-28.1
-28.2
-28.3
-28.4
0
10000
20000
30000
40000
50000
60000
70000

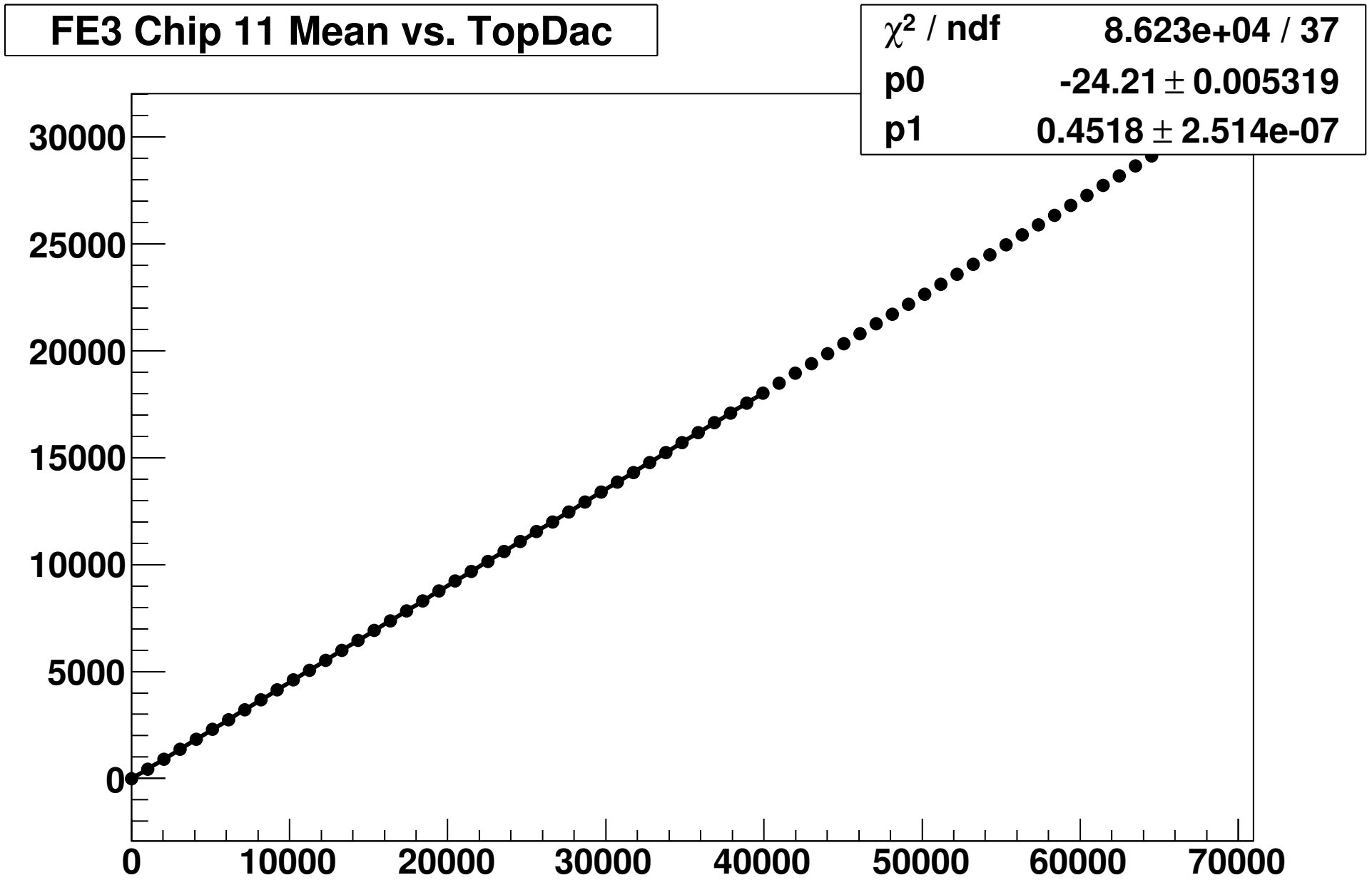

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 42.42 / 37
p0 1.499 ± 0.001806
p1 7.936e-13 ± 6.782e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

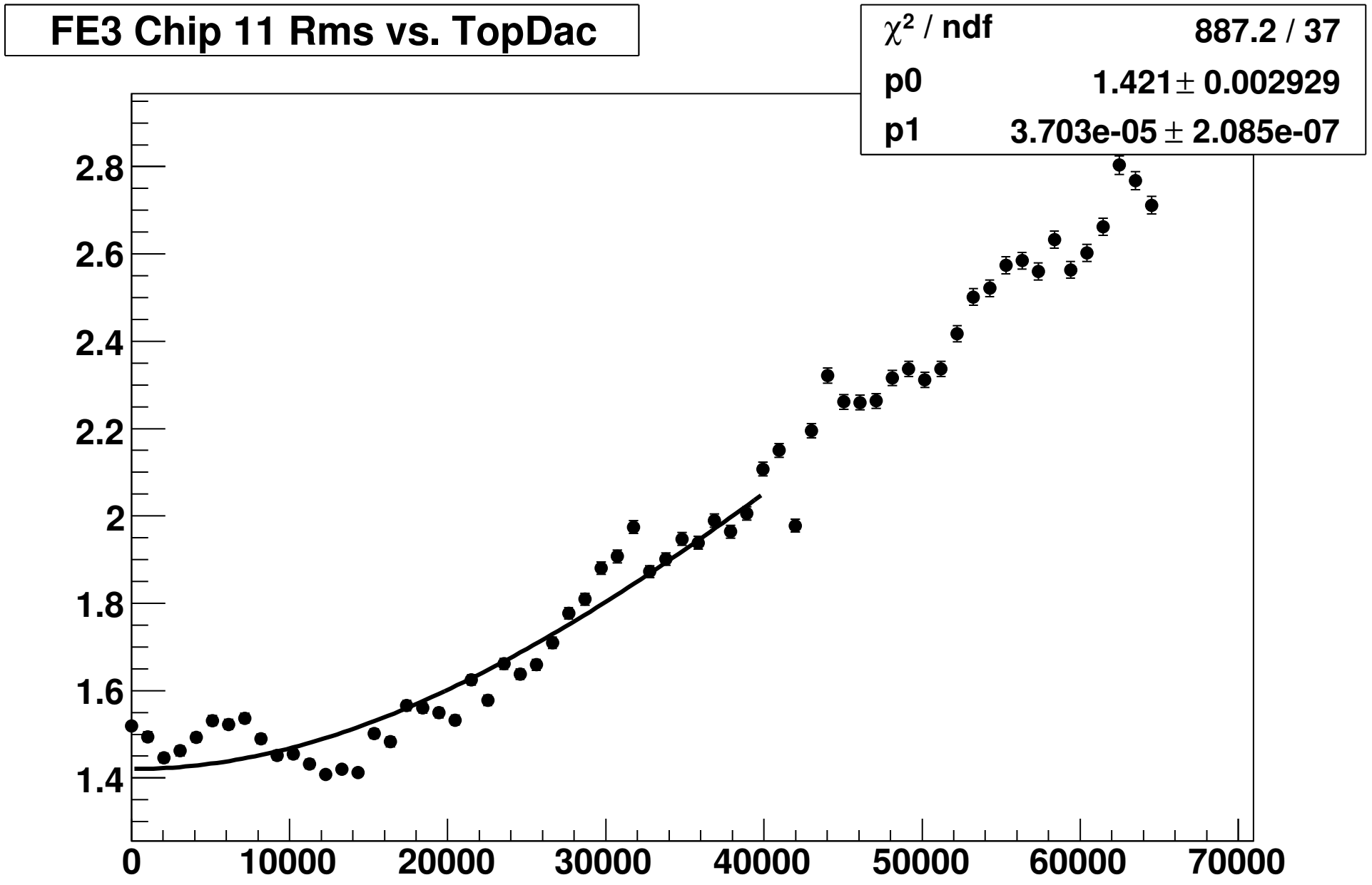

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 8.596e+04 / 37
p0 -29.5 ± 0.005357
p1 0.4518 ± 2.534e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

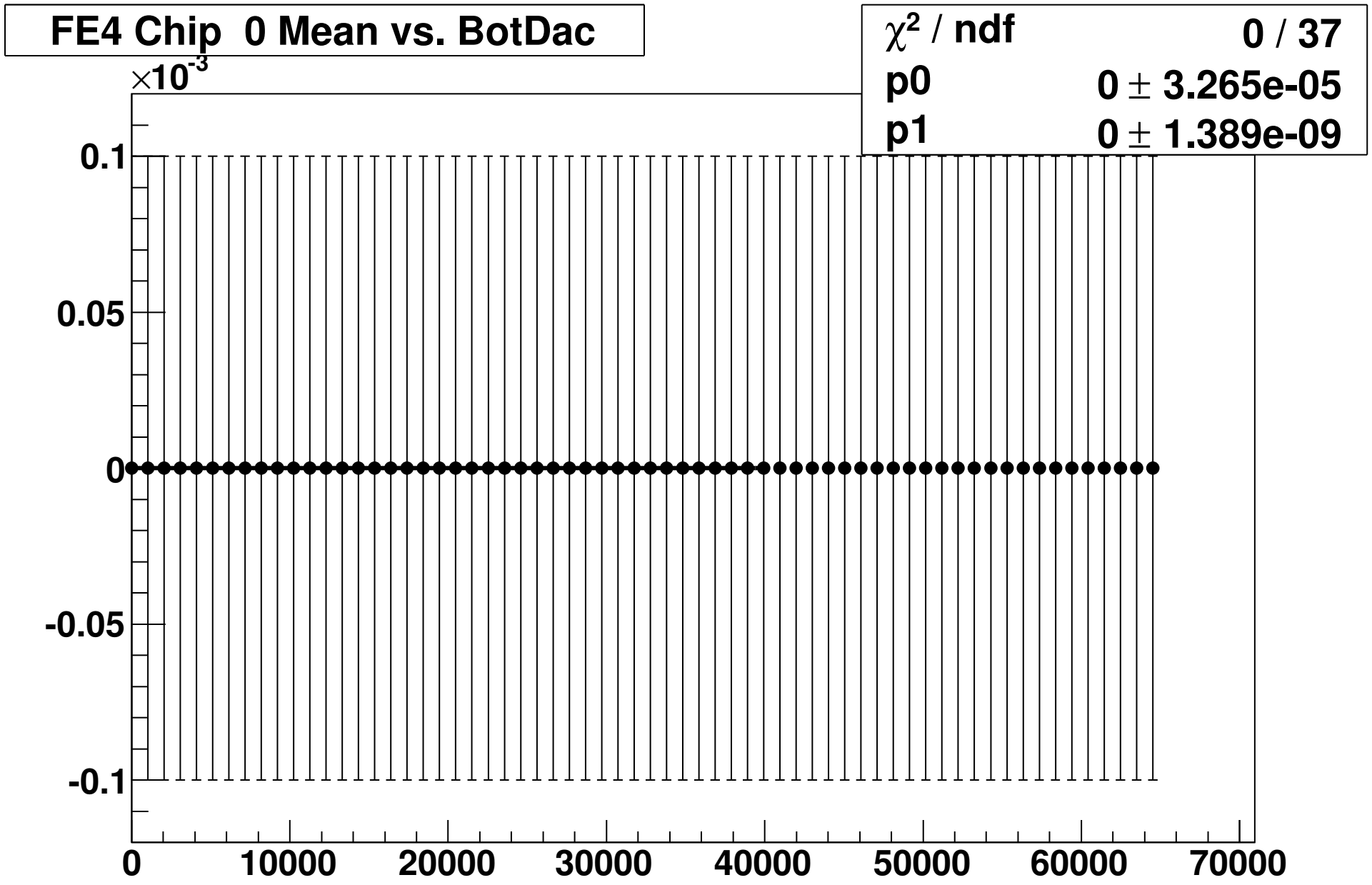

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1357 / 37
p0 1.411 ± 0.002925
p1 3.706e-05 ± 2.076e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

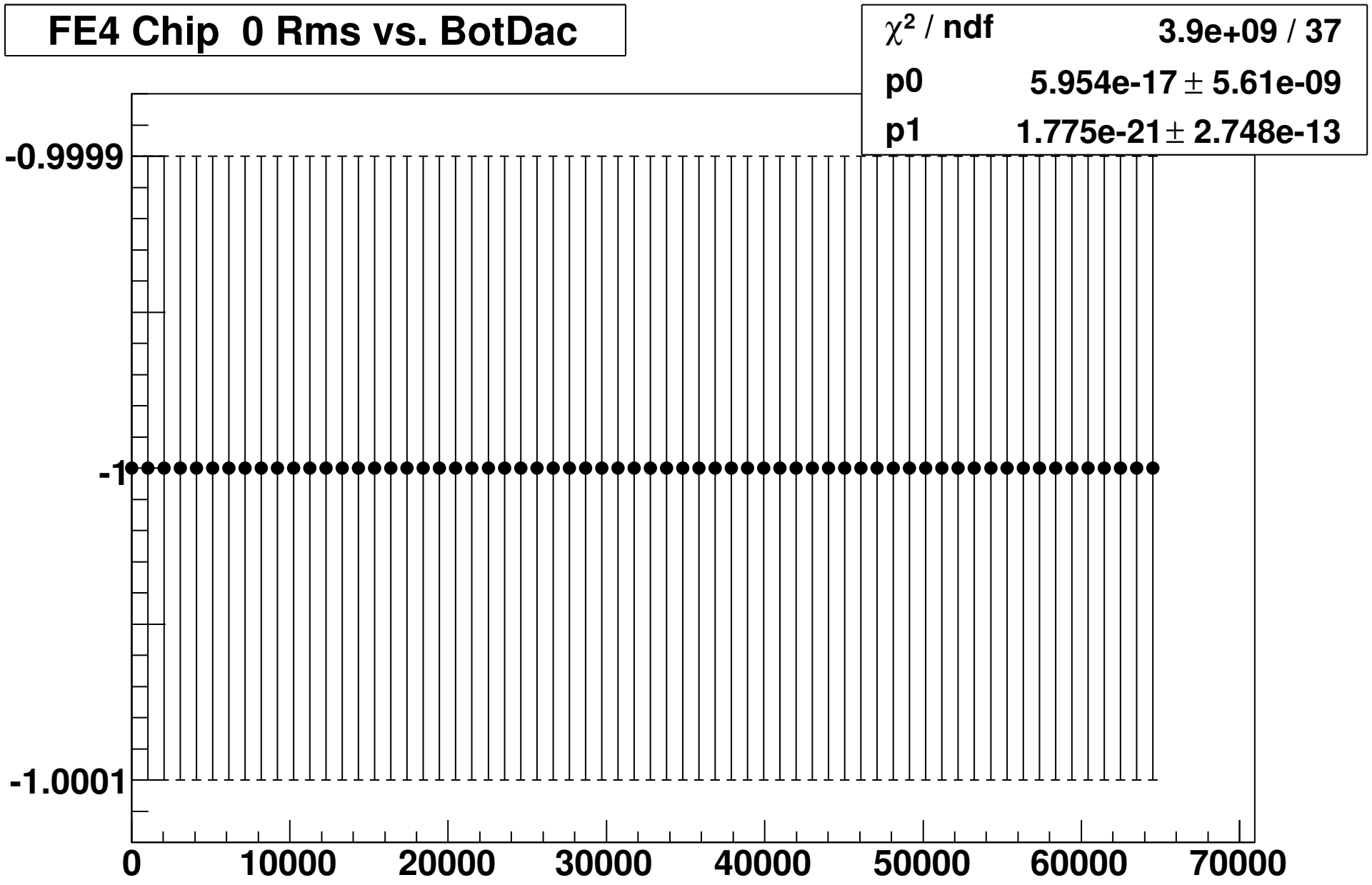

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 379.4 / 37
p0 -23.09 ± 0.005154
p1 1.821e-06 ± 2.191e-07
-22.8
-22.9
-23
-23.1
-23.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 42.74 / 37
p0 1.489 ± 0.001792
p1 4.514e-13 ± 2.359e-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


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 8.623e+04 / 37
p0 -24.21 ± 0.005319
p1 0.4518 ± 2.514e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 887.2 / 37
p0 1.421 ± 0.002929
p1 3.703e-05 ± 2.085e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
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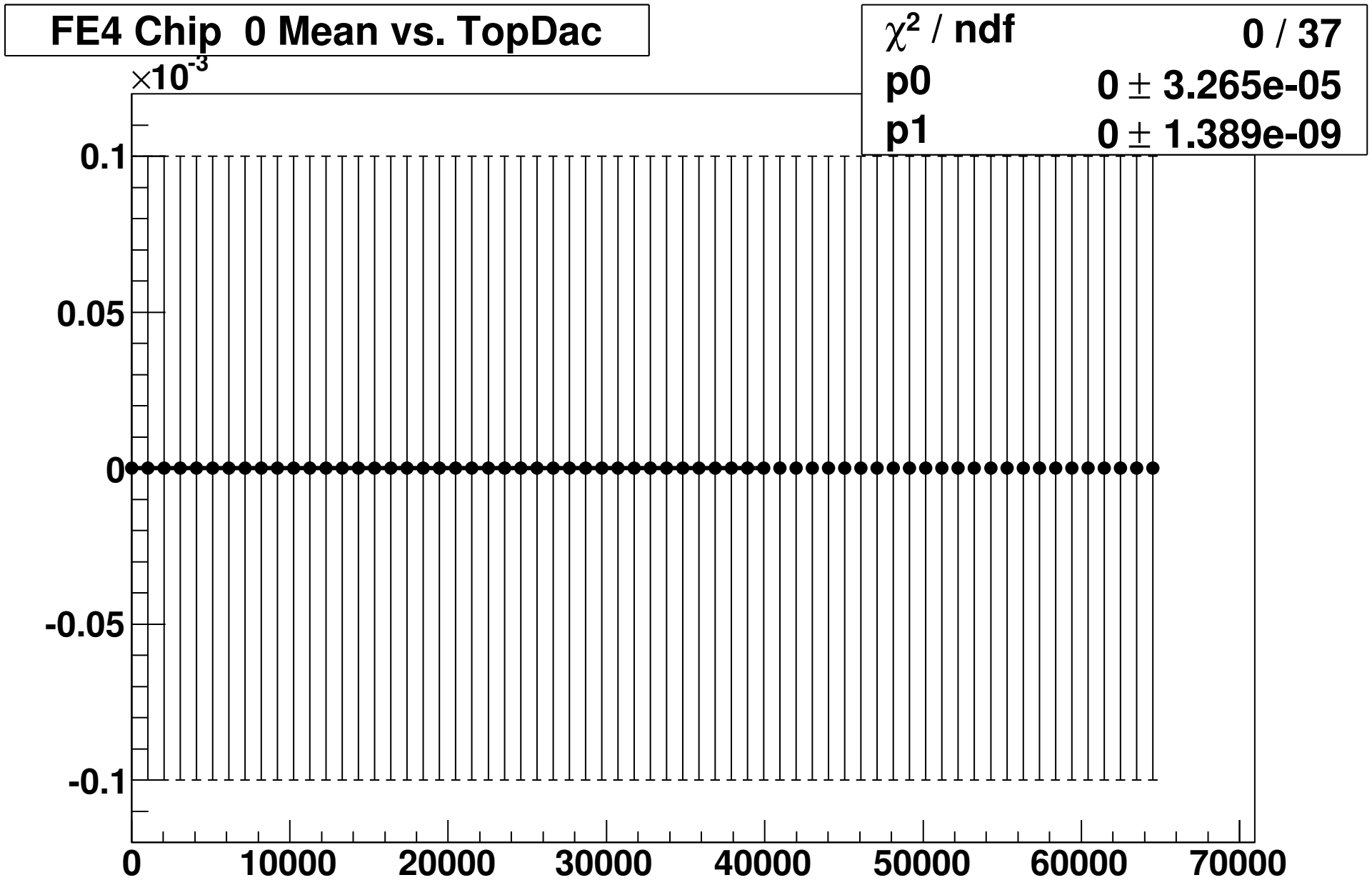
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
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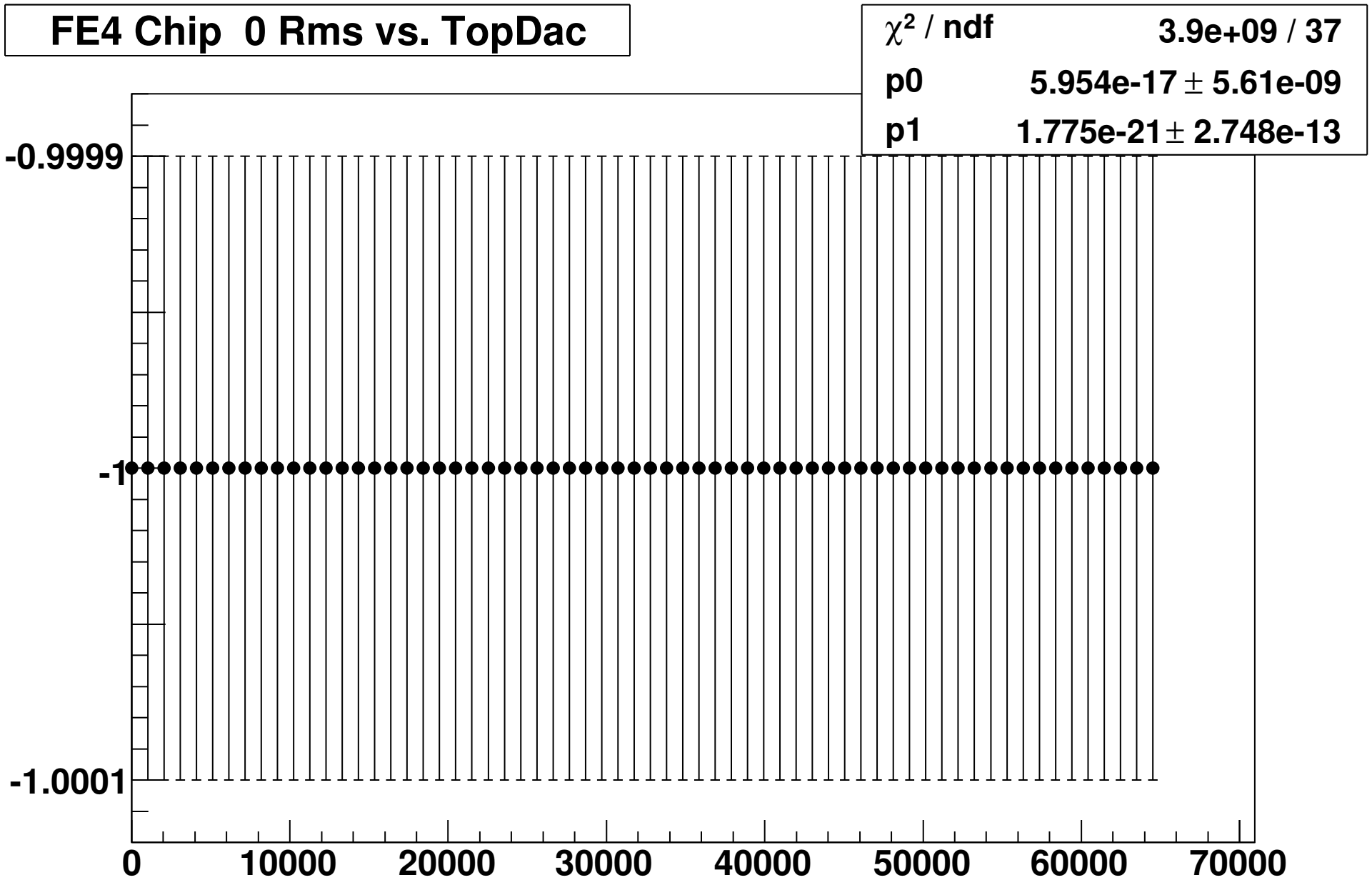
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
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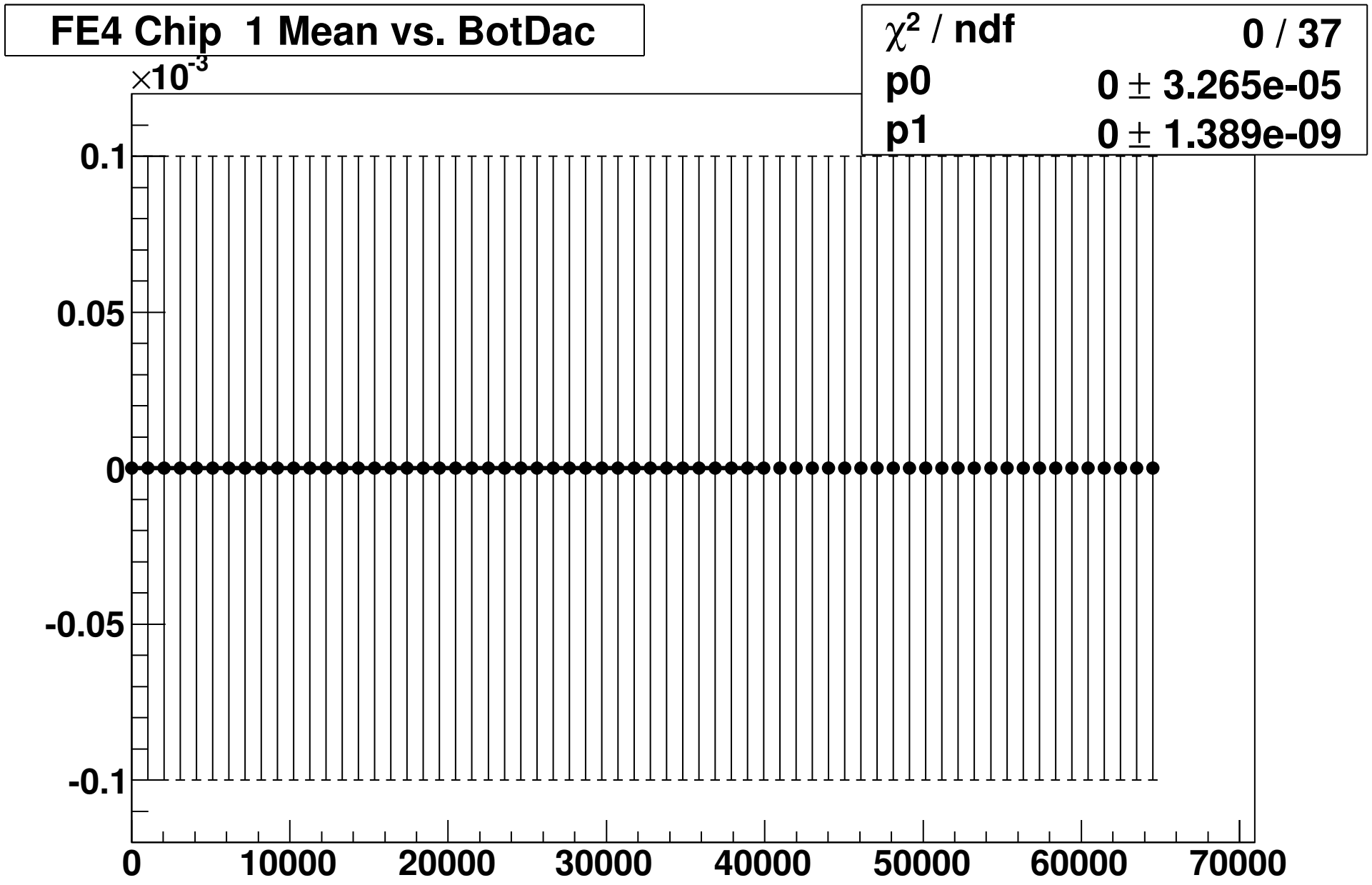
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
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-0.05
-0.1
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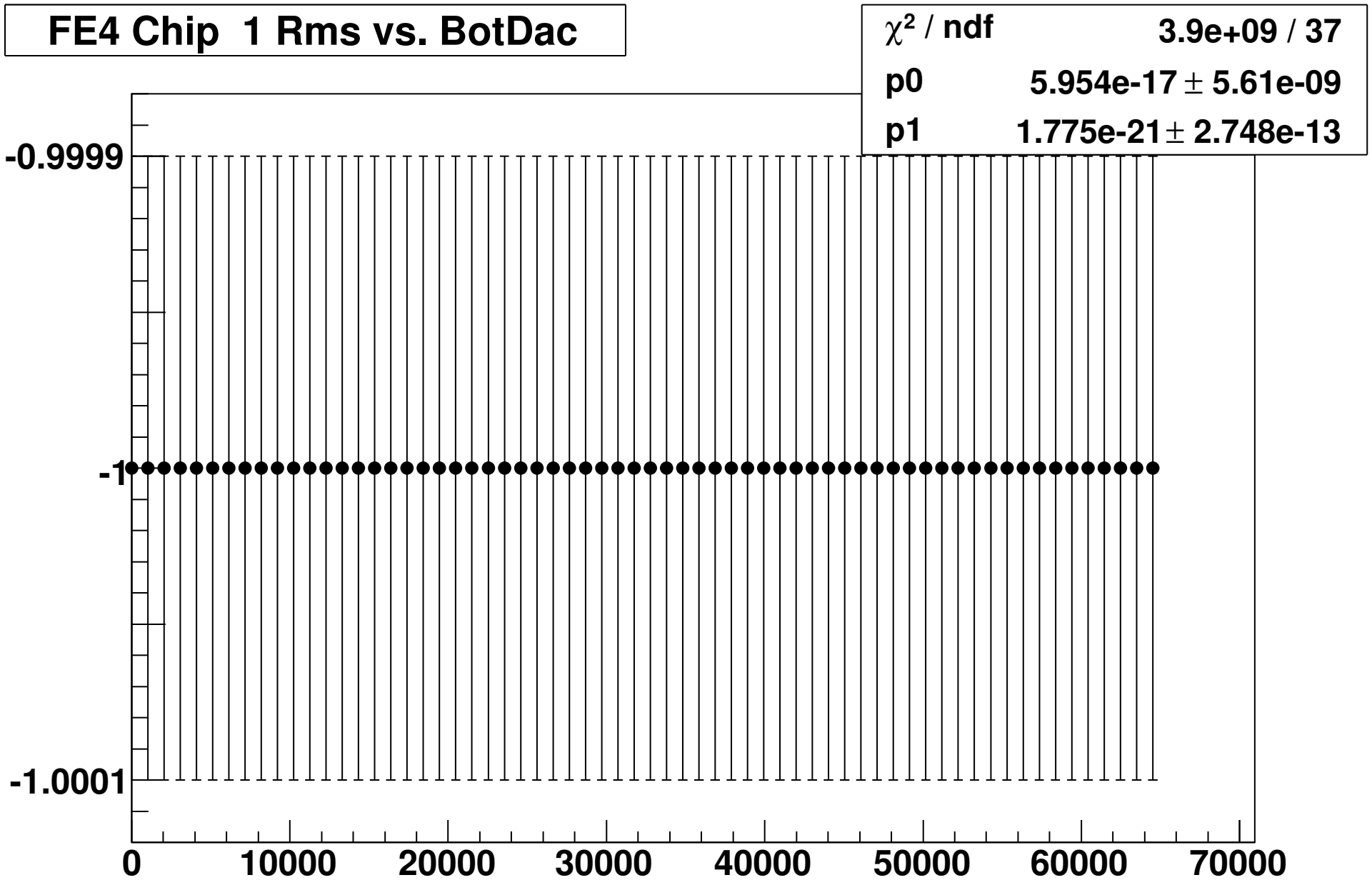
FE4 Chip 1 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
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-1.0001
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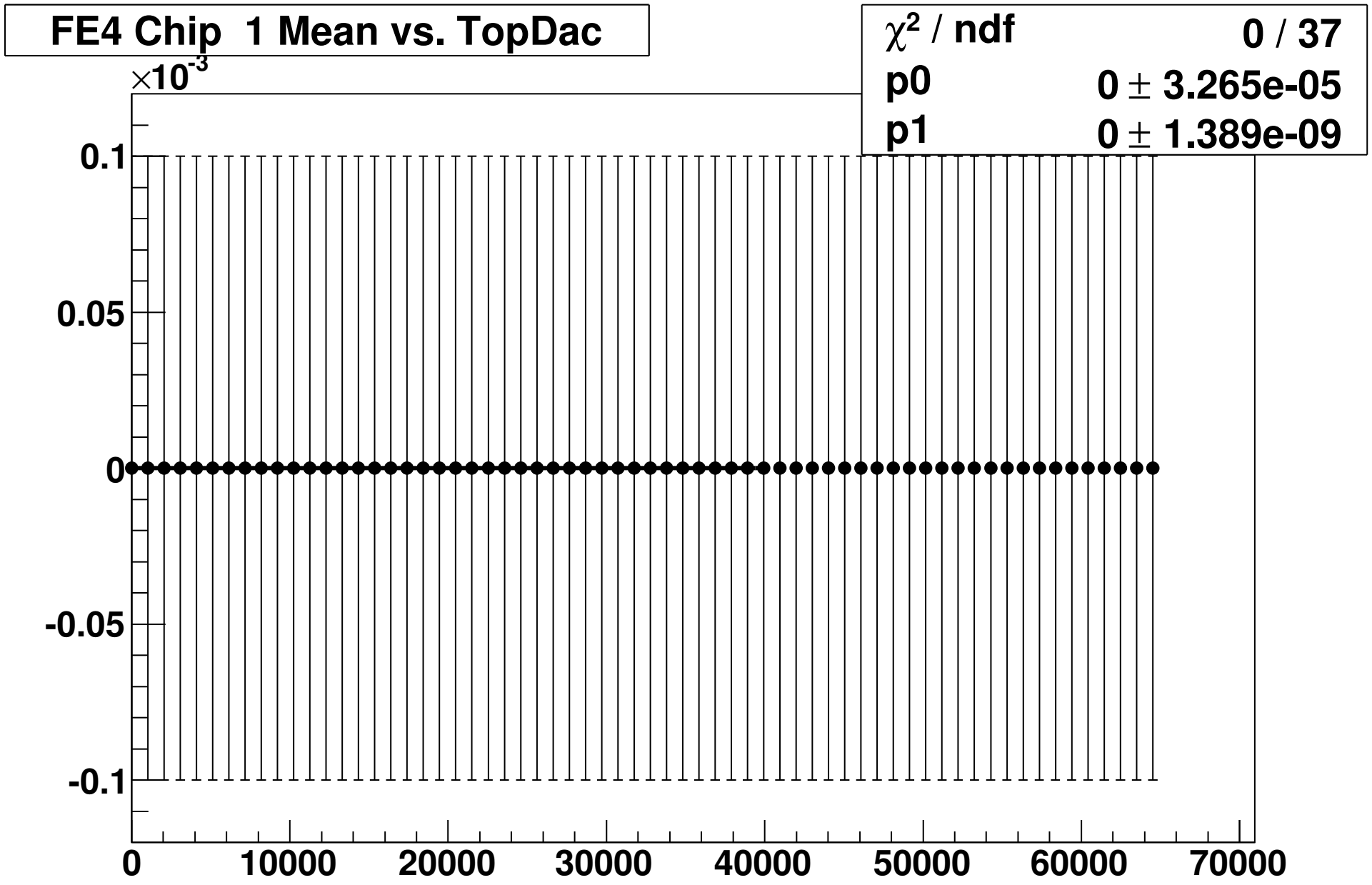
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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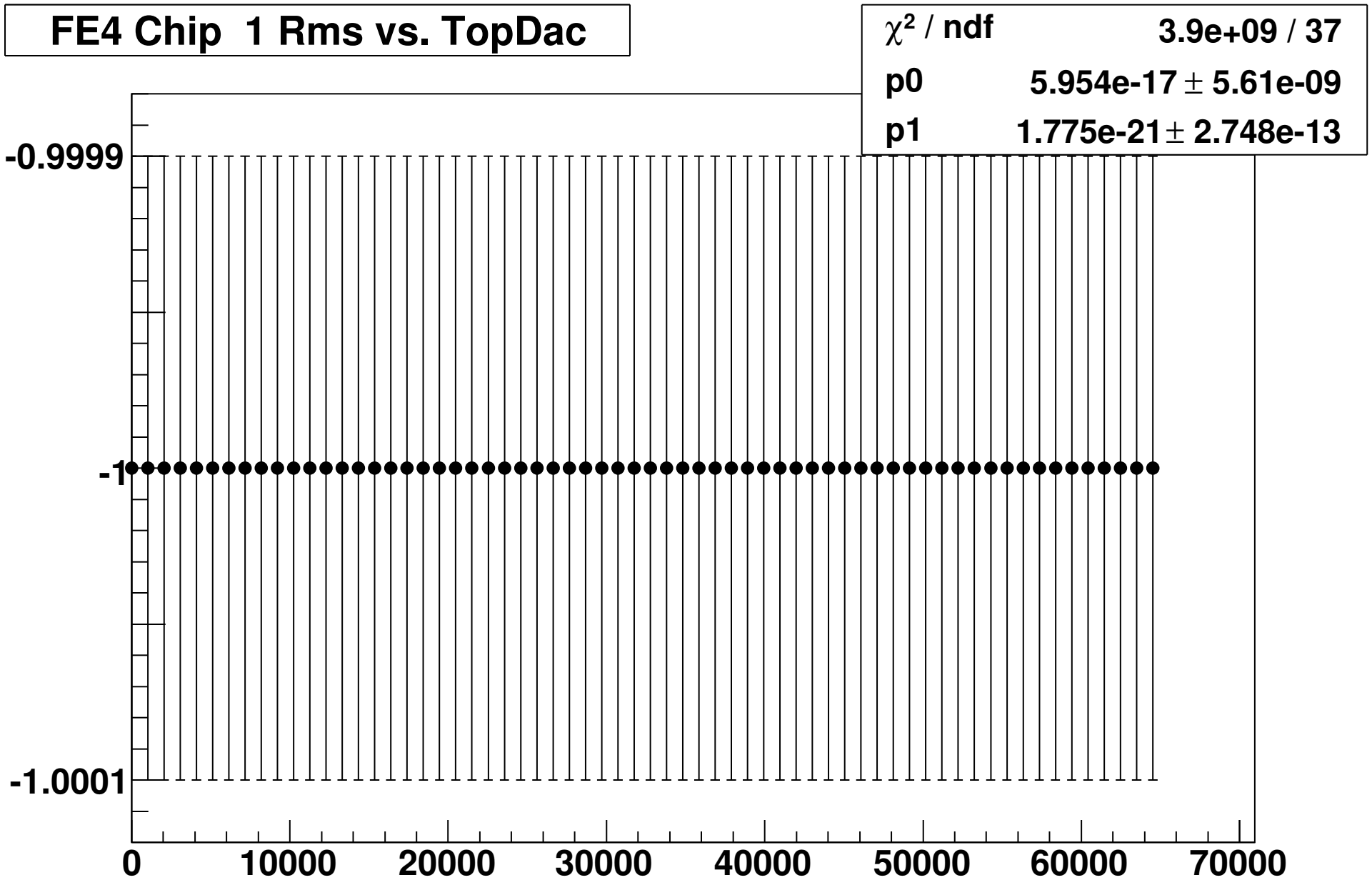
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
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-1.0001
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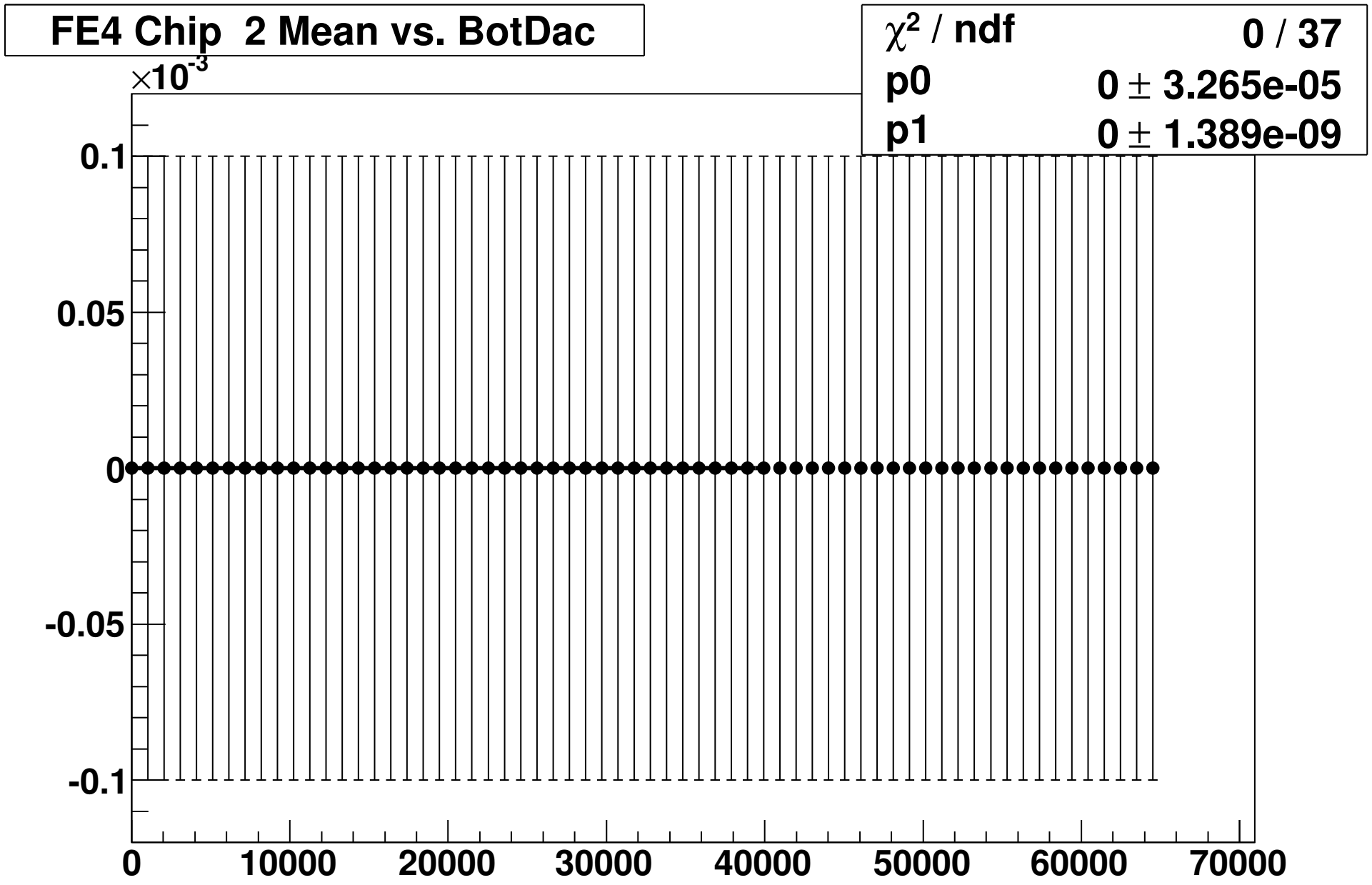
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
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-0.05
-0.1
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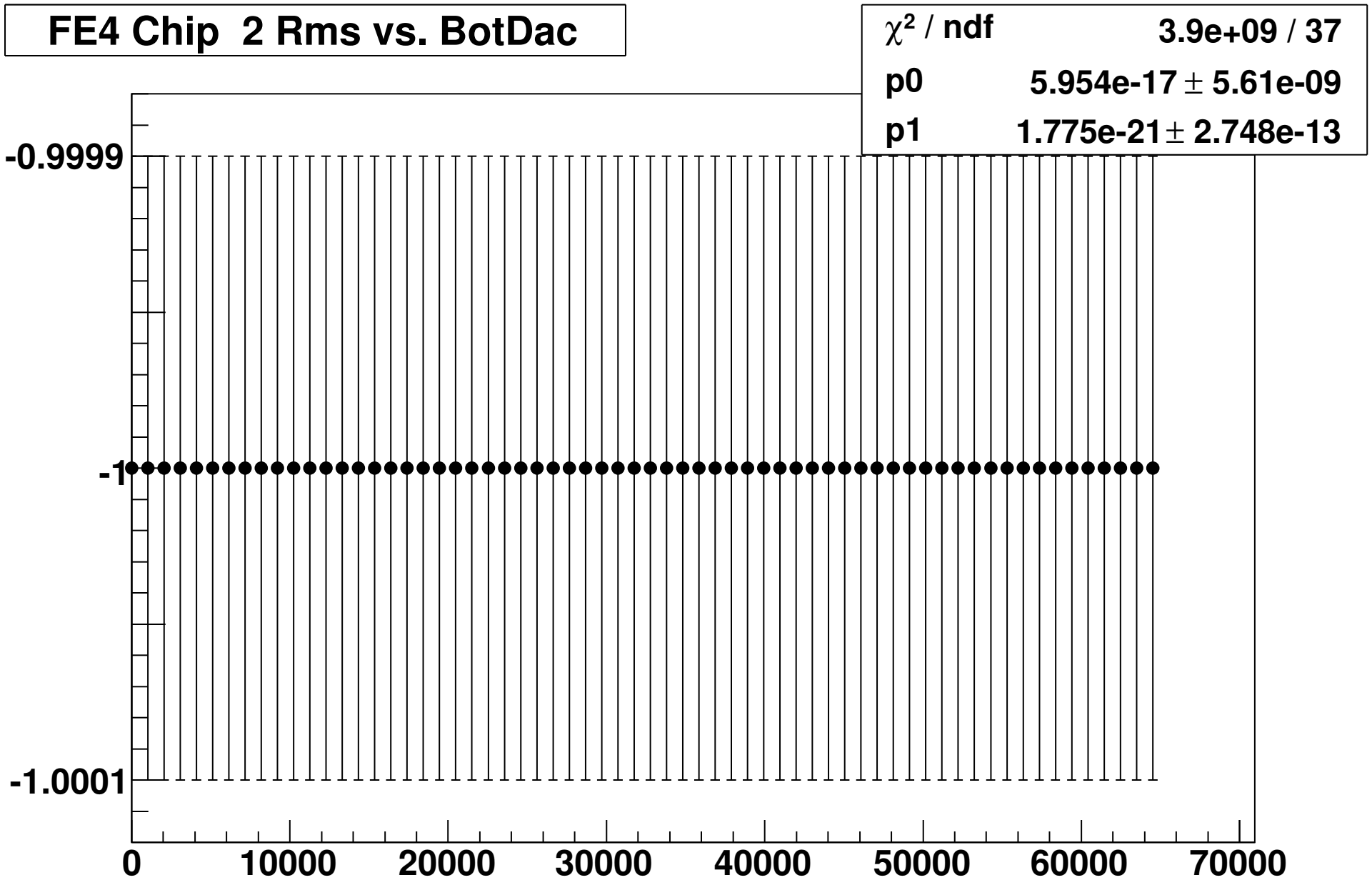
FE4 Chip 2 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
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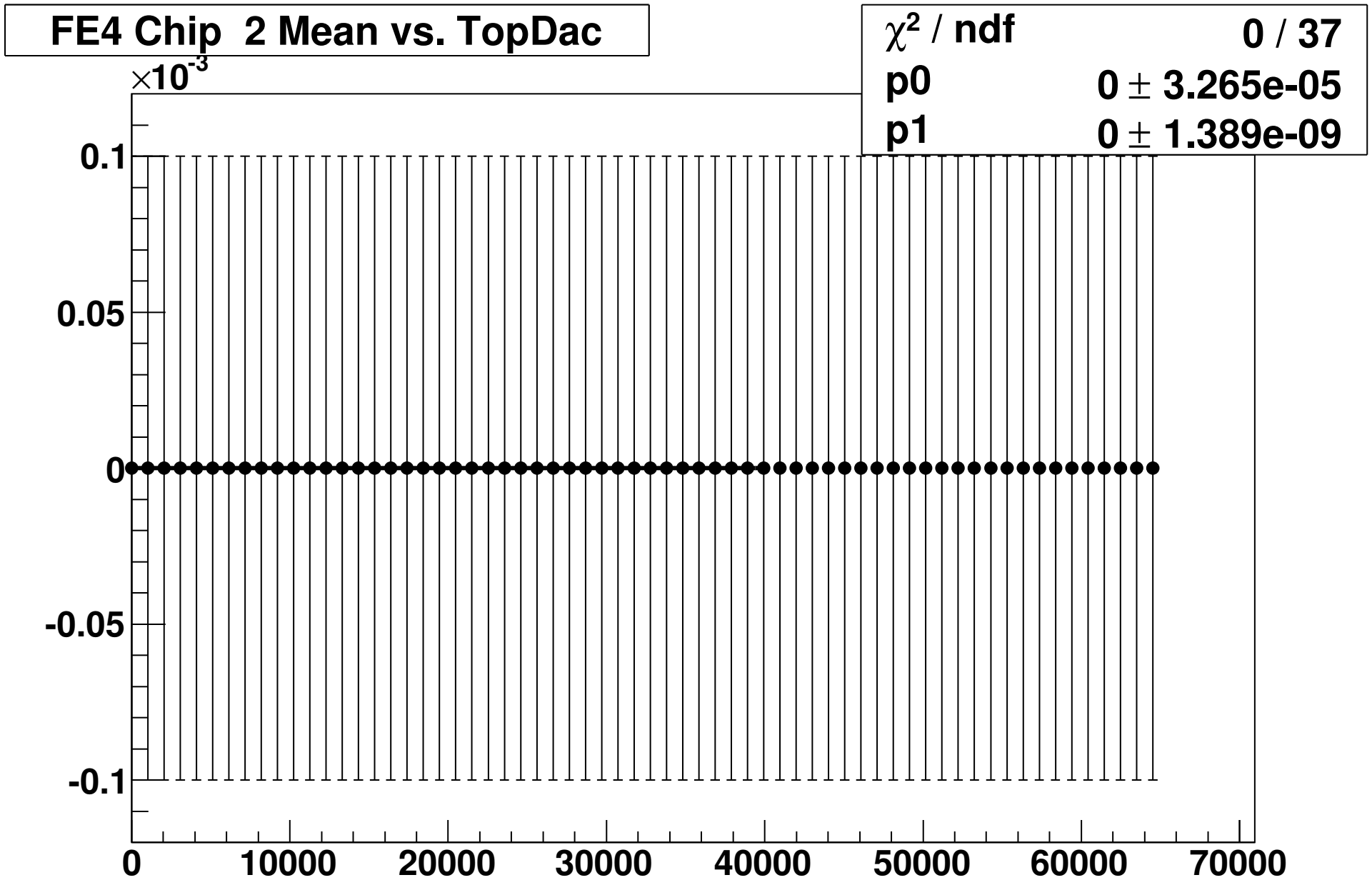
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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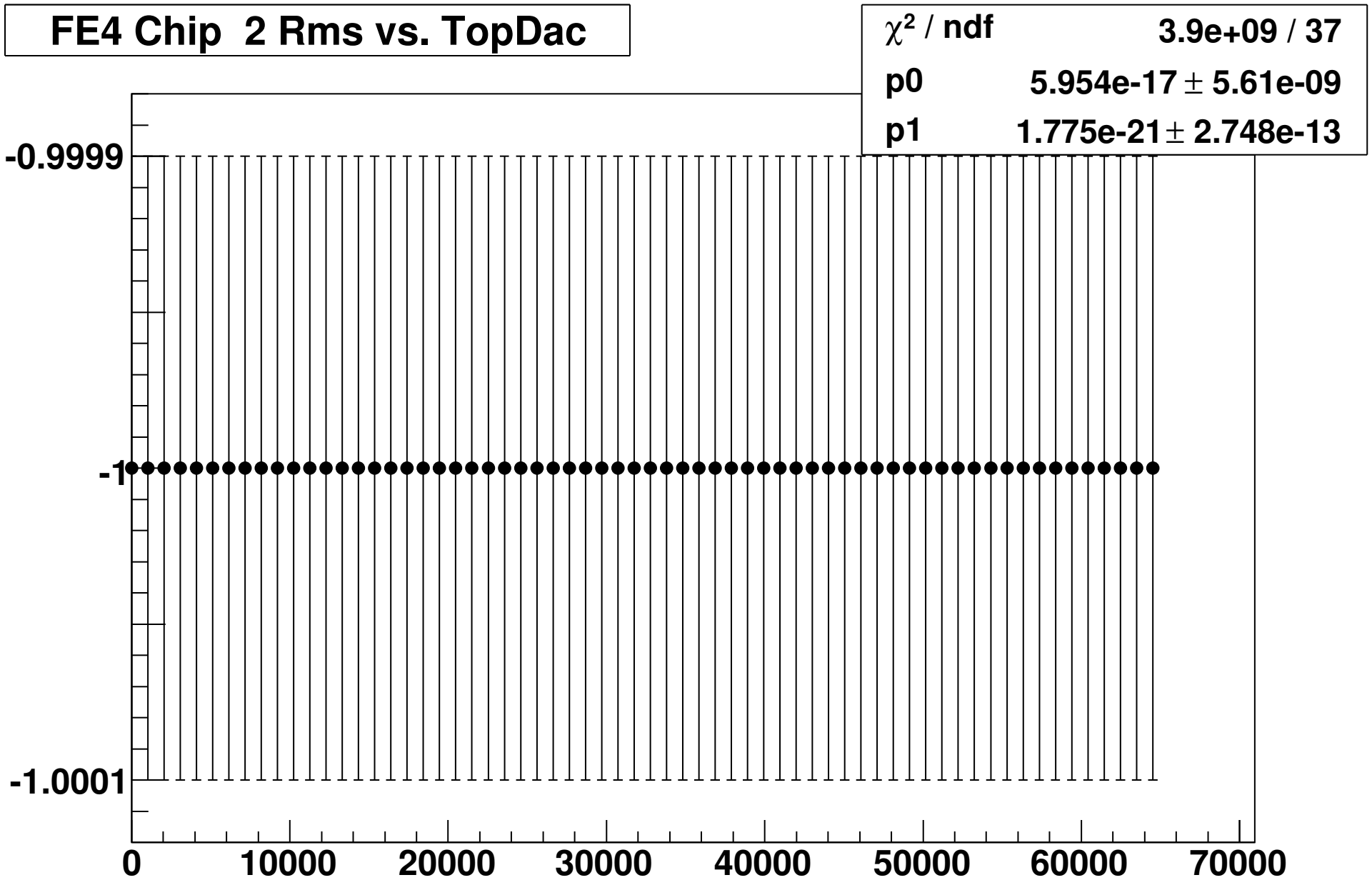
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
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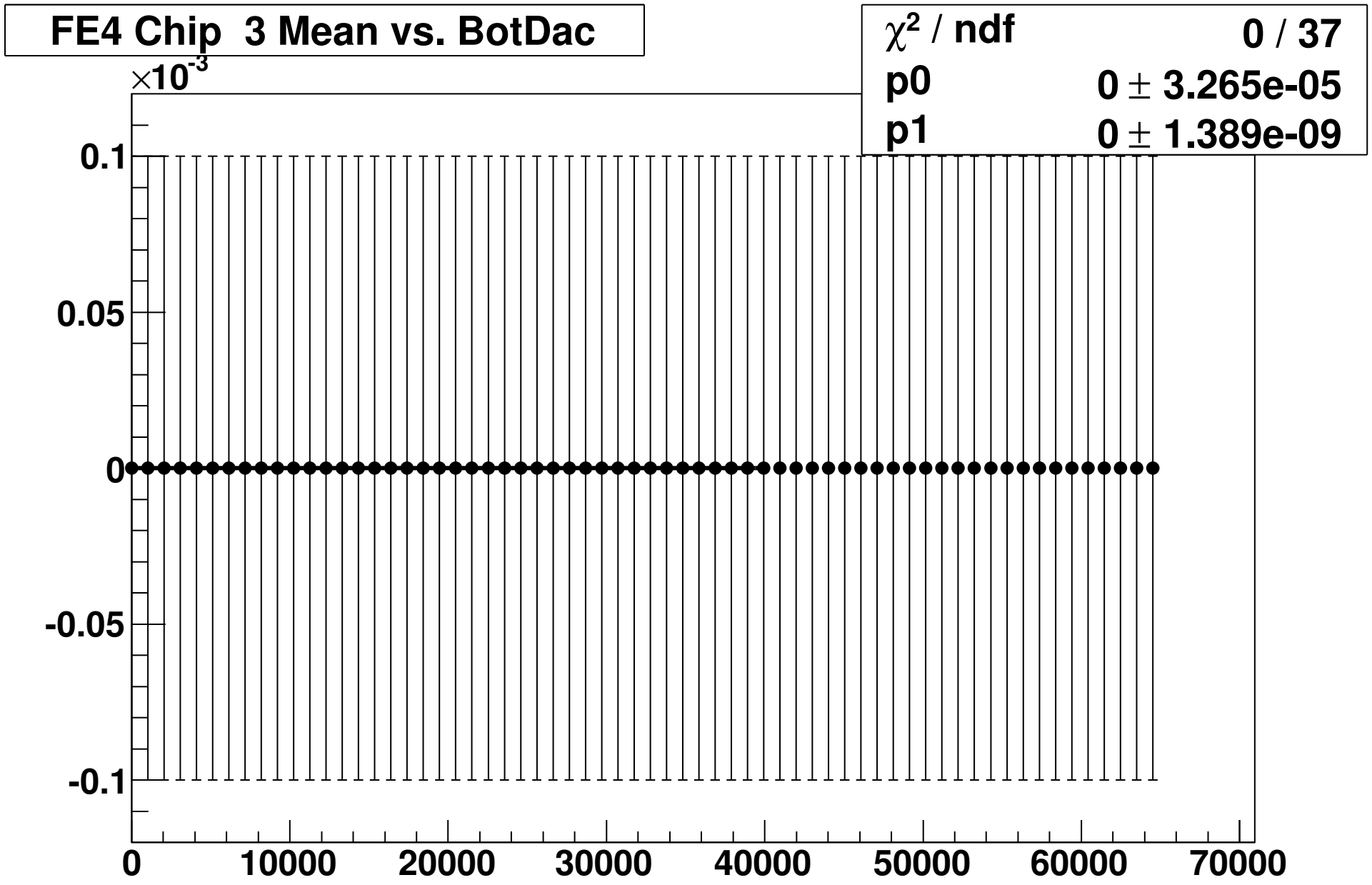
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
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-0.05
-0.1
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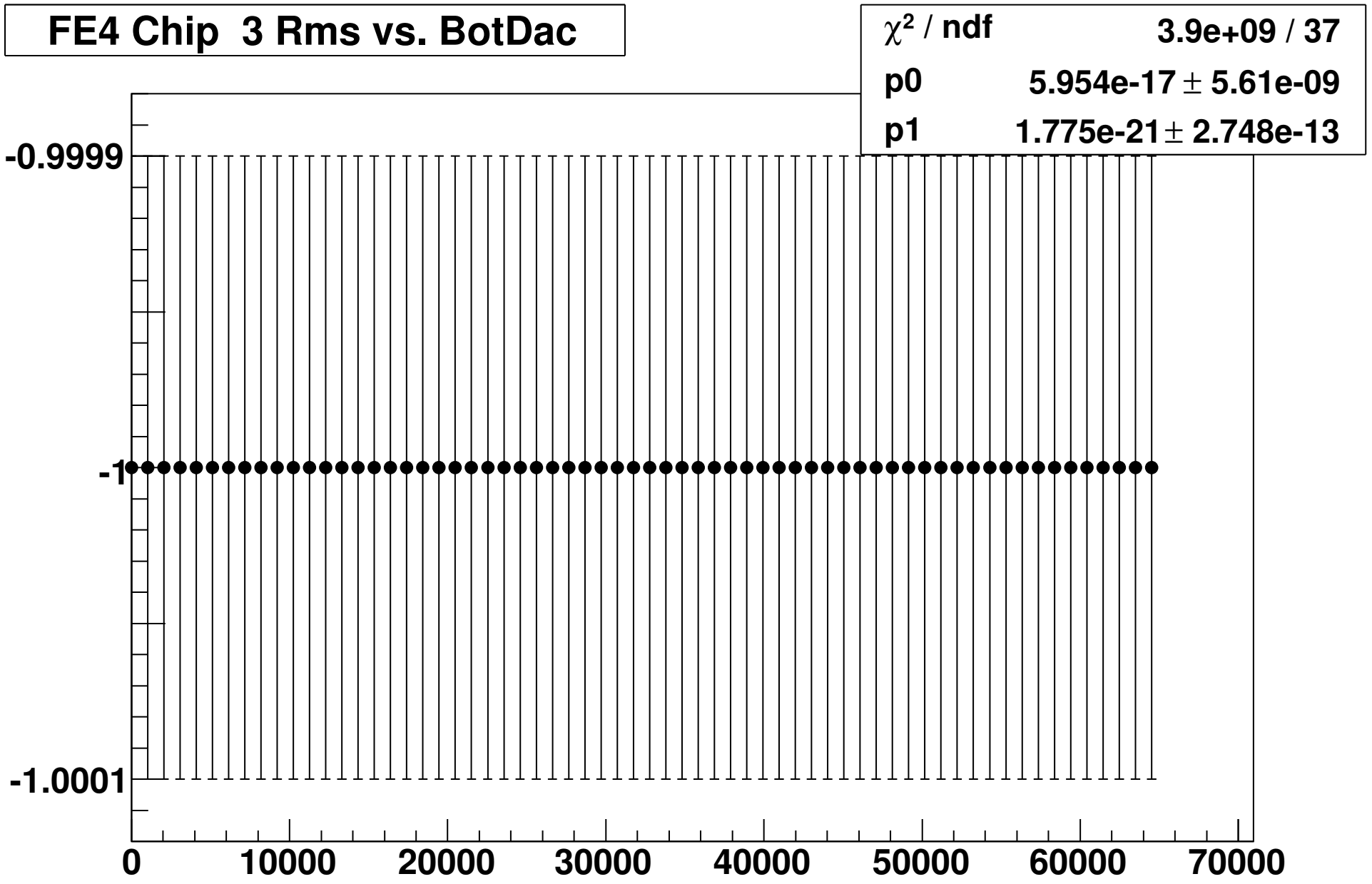
FE4 Chip 3 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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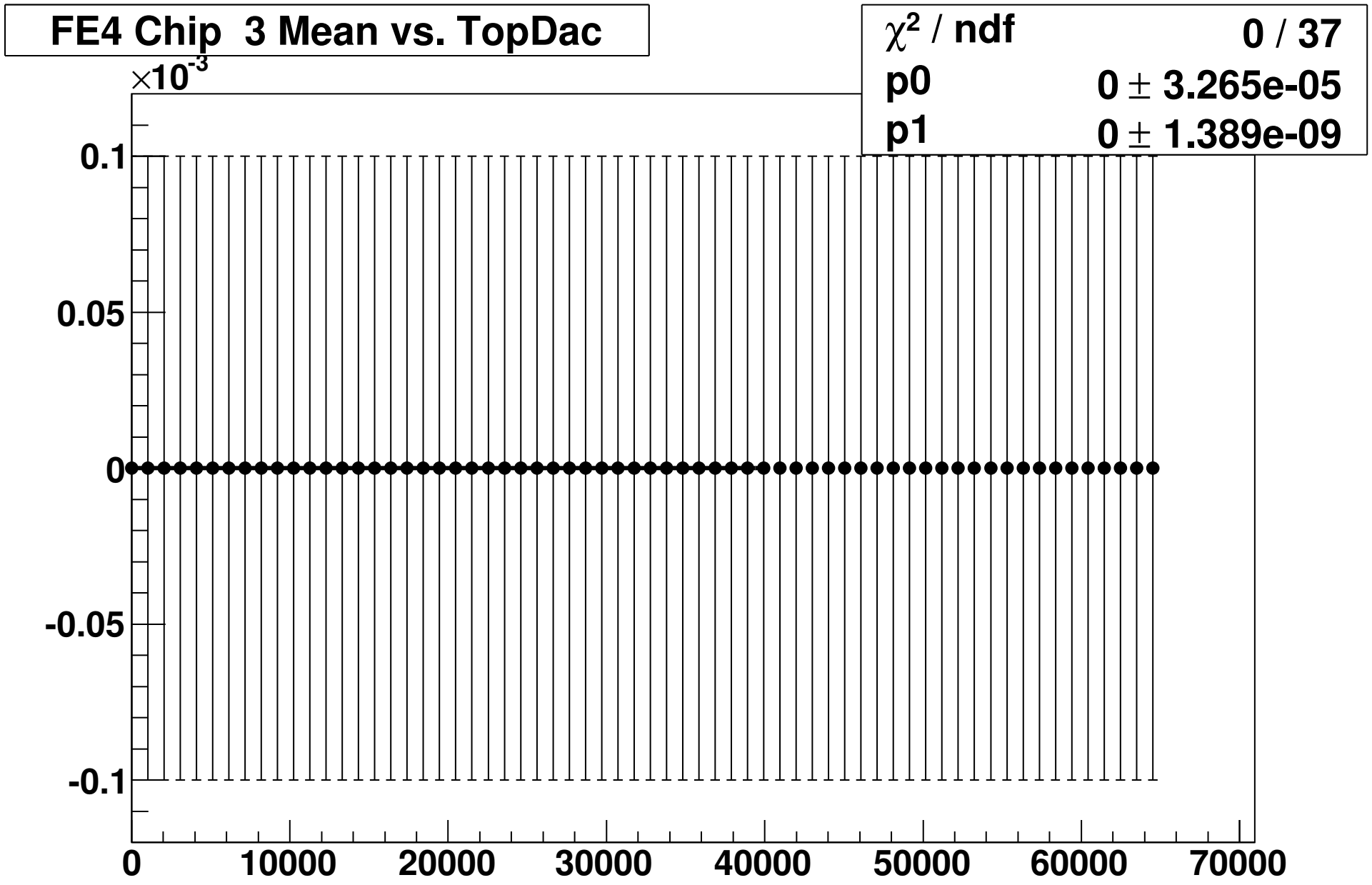
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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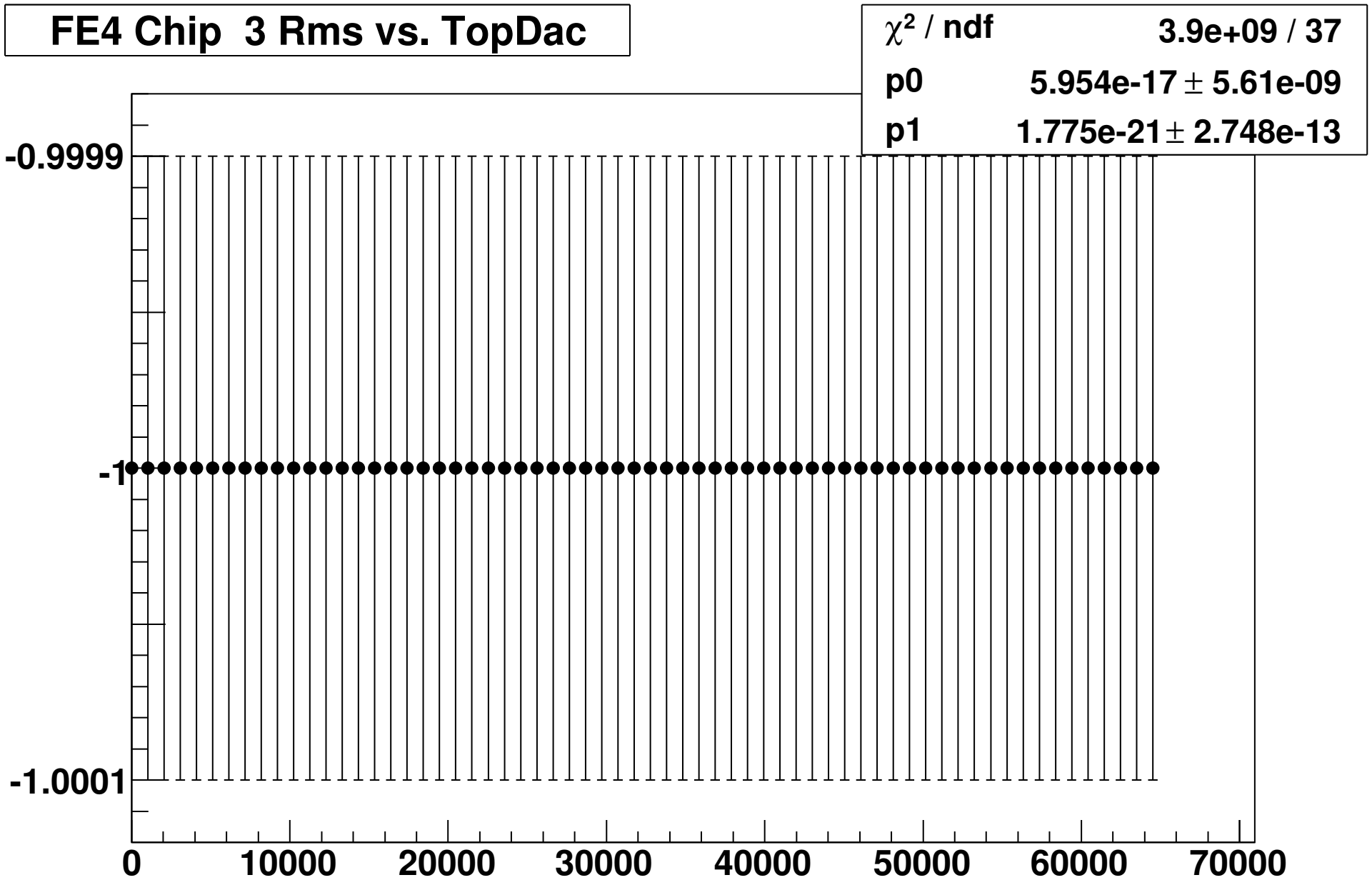
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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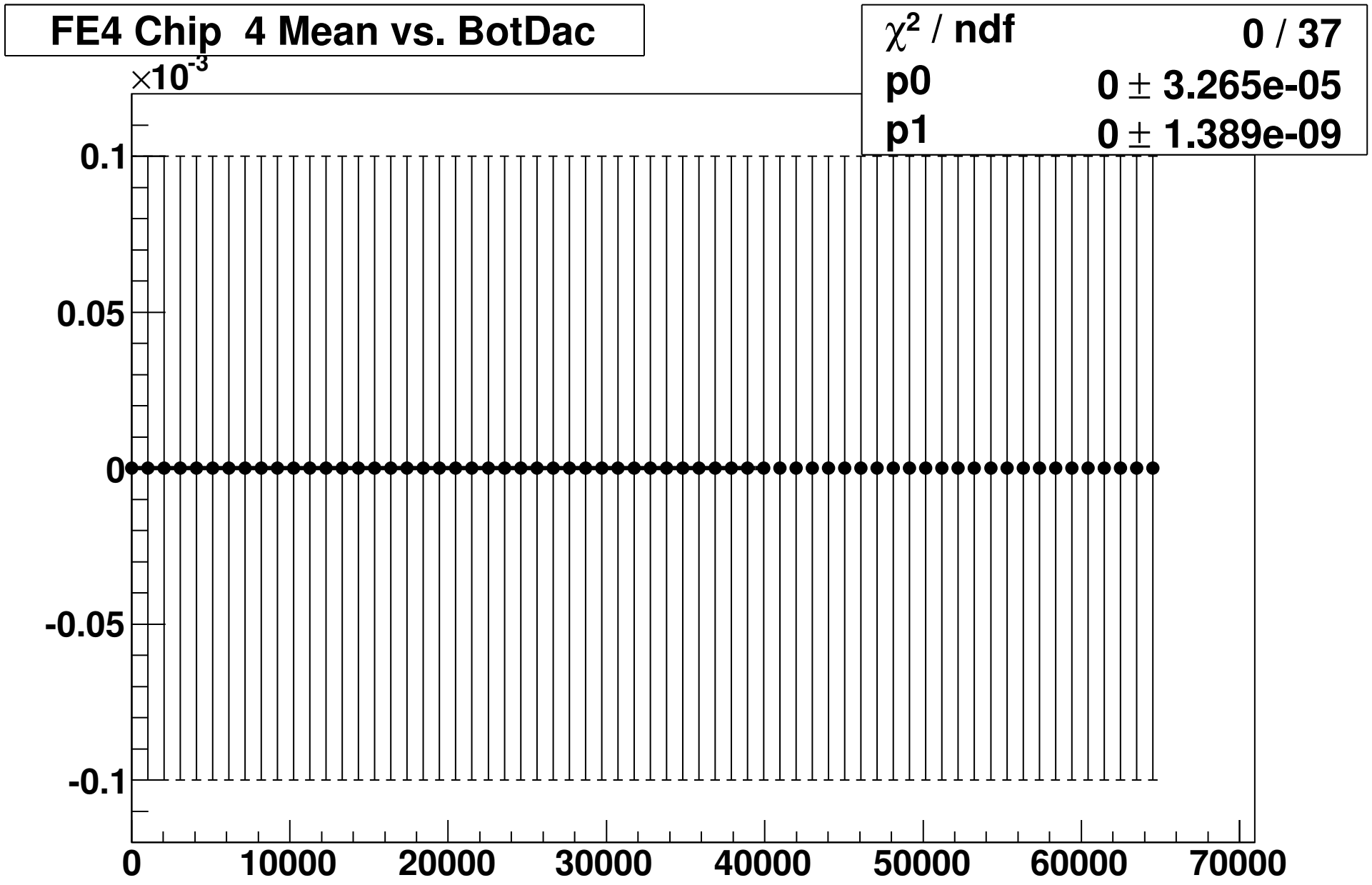
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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-0.05
-0.1
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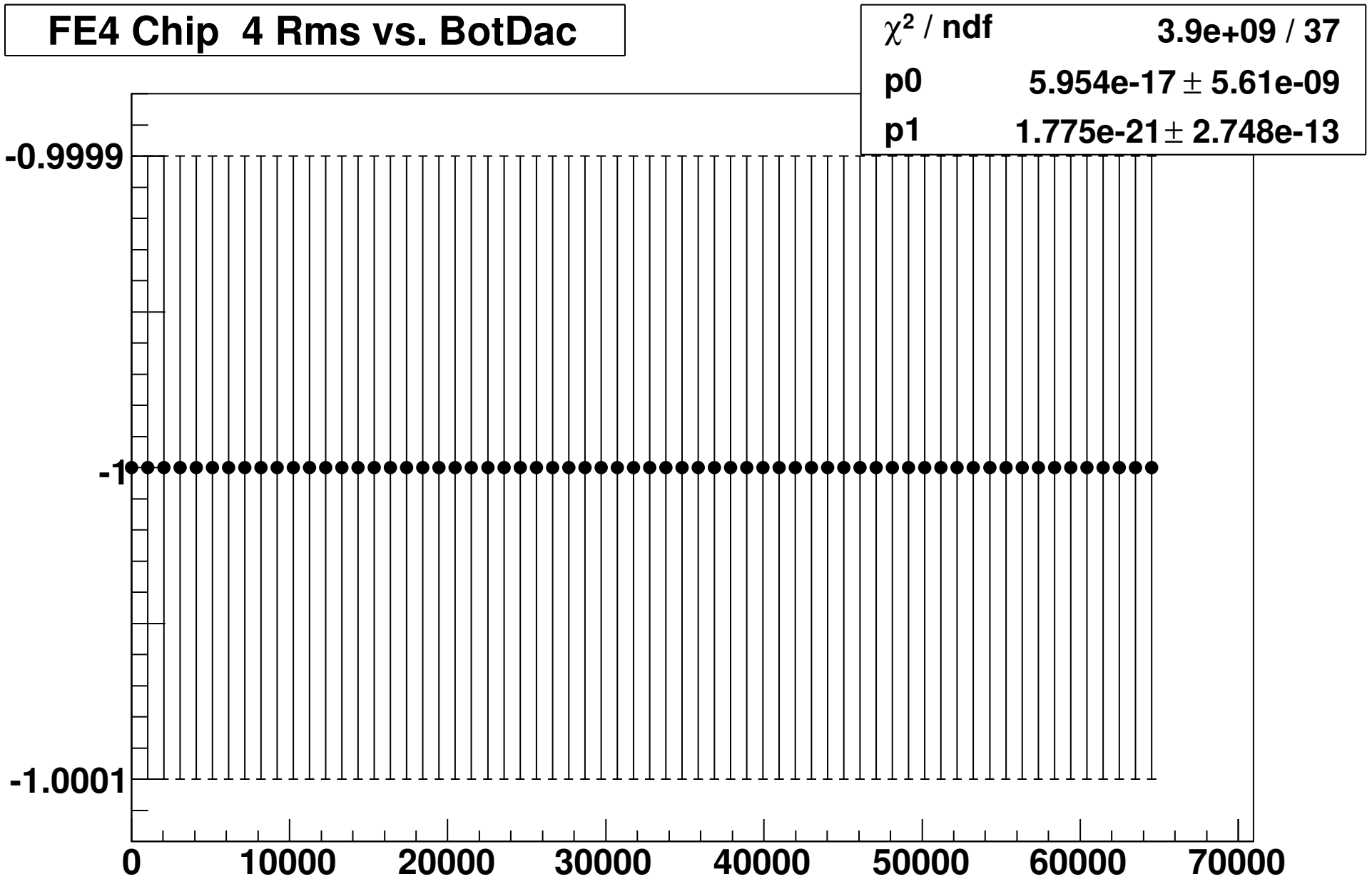
FE4 Chip 4 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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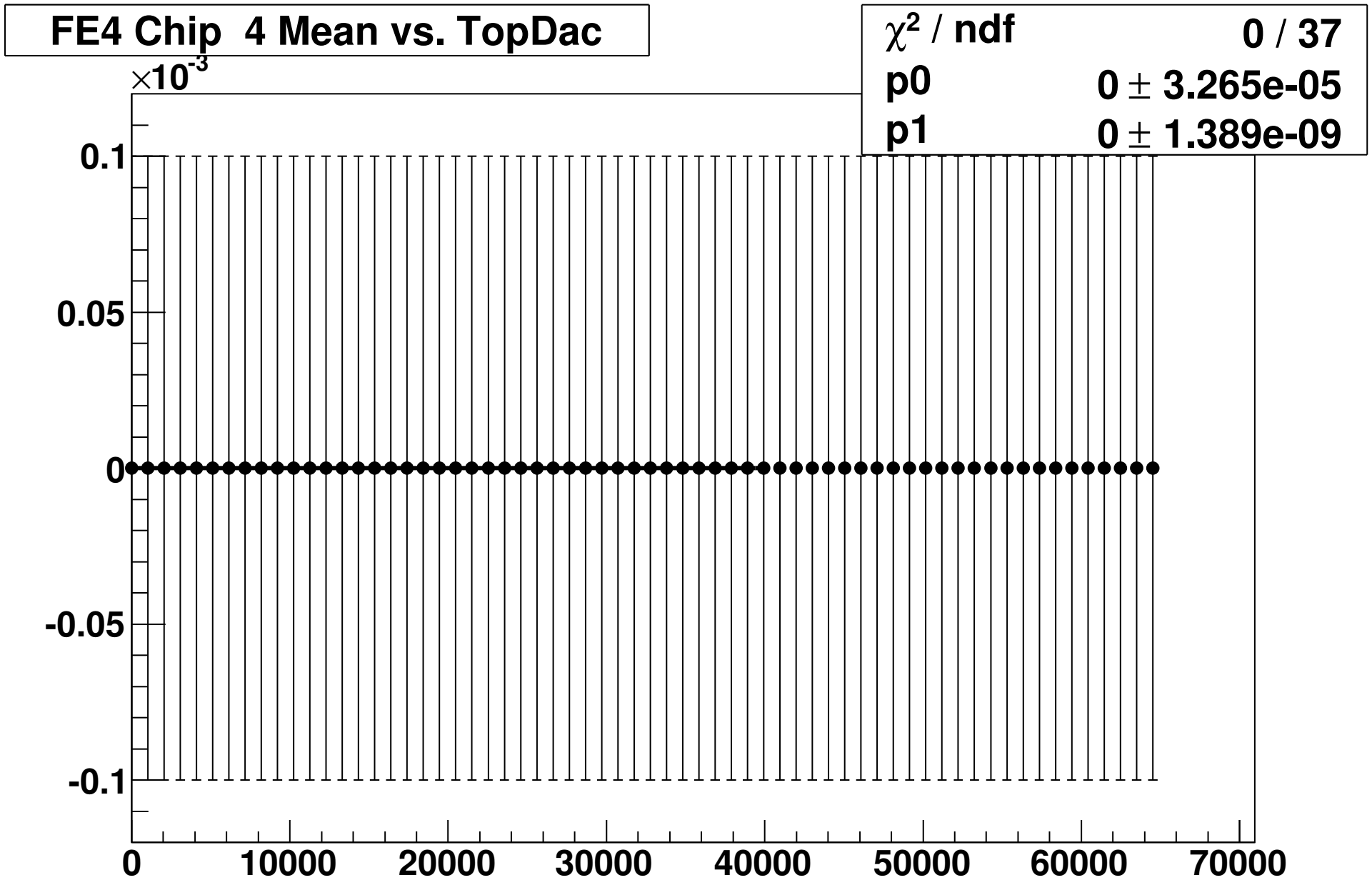
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
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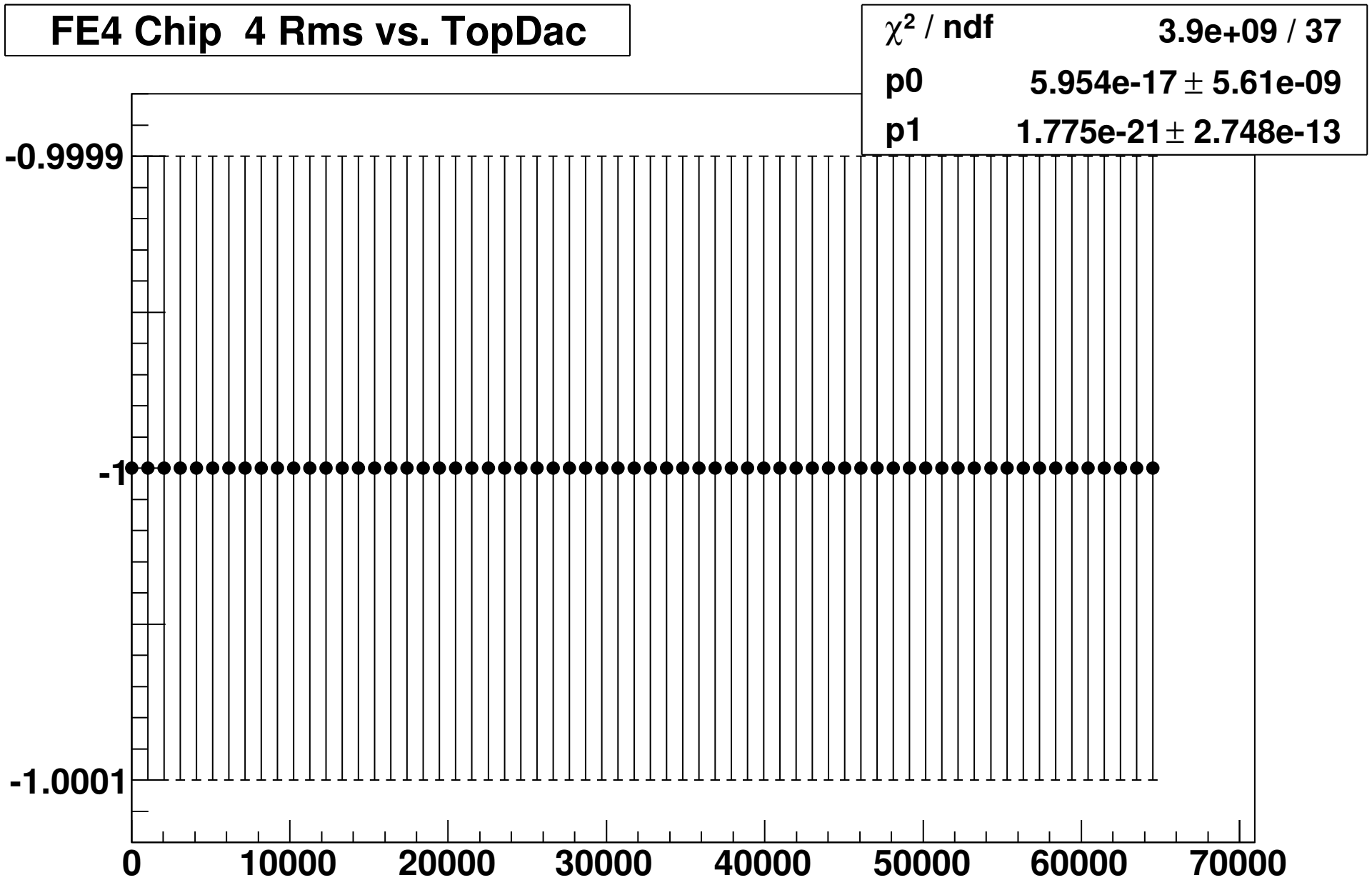
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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-1
-1.0001
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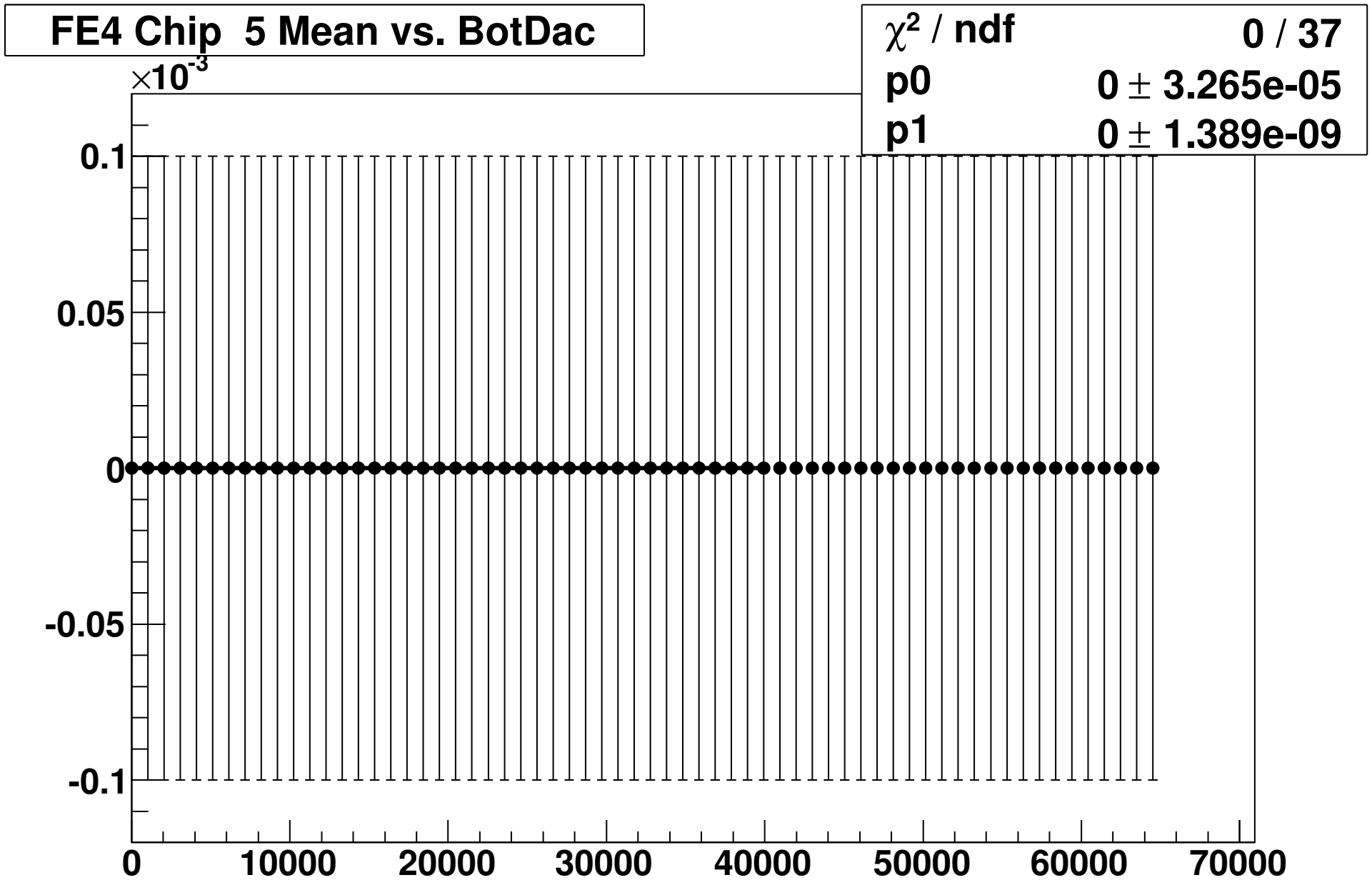
FE4 Chip 5 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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0
-0.05
-0.1
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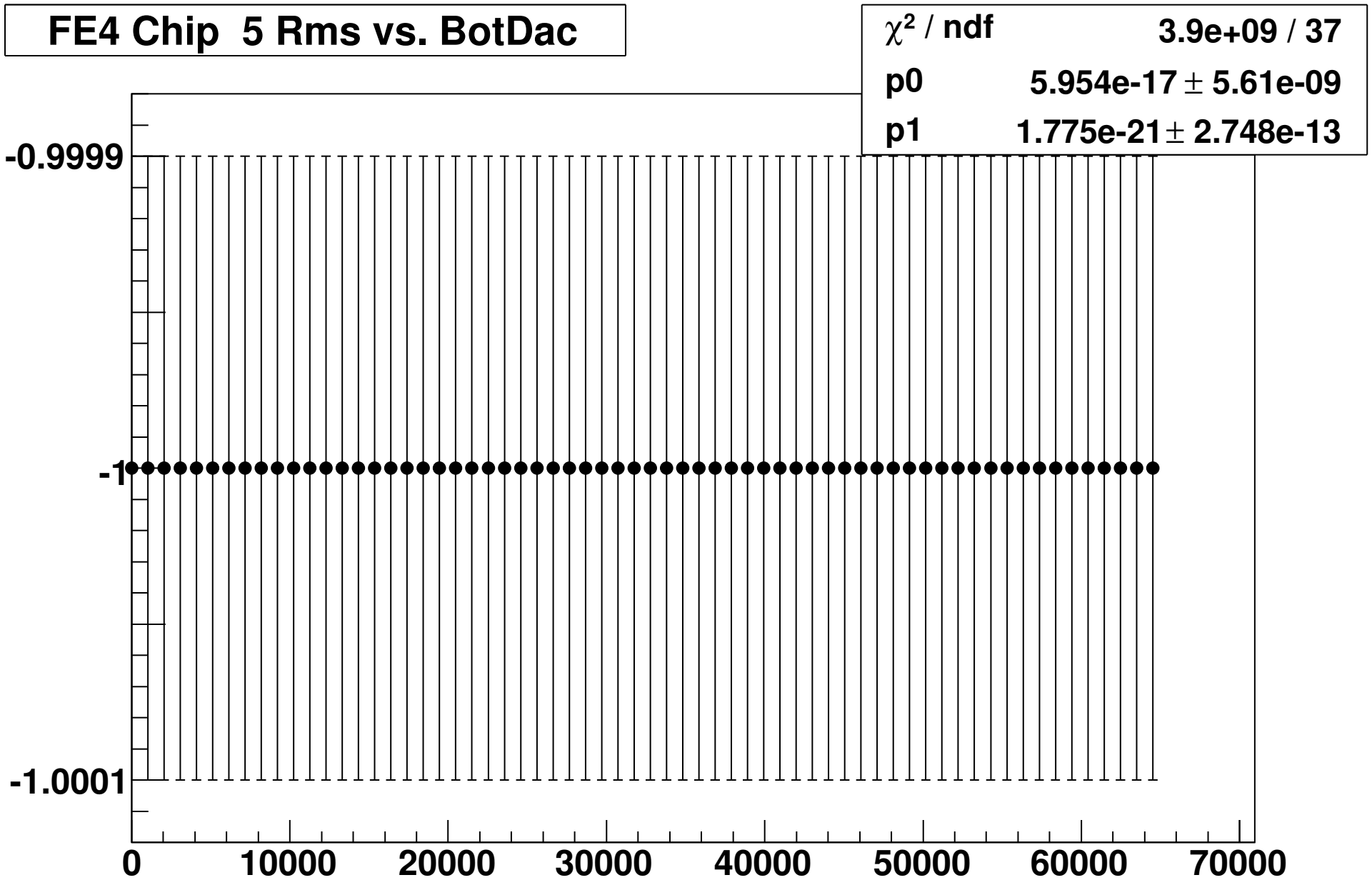
FE4 Chip 5 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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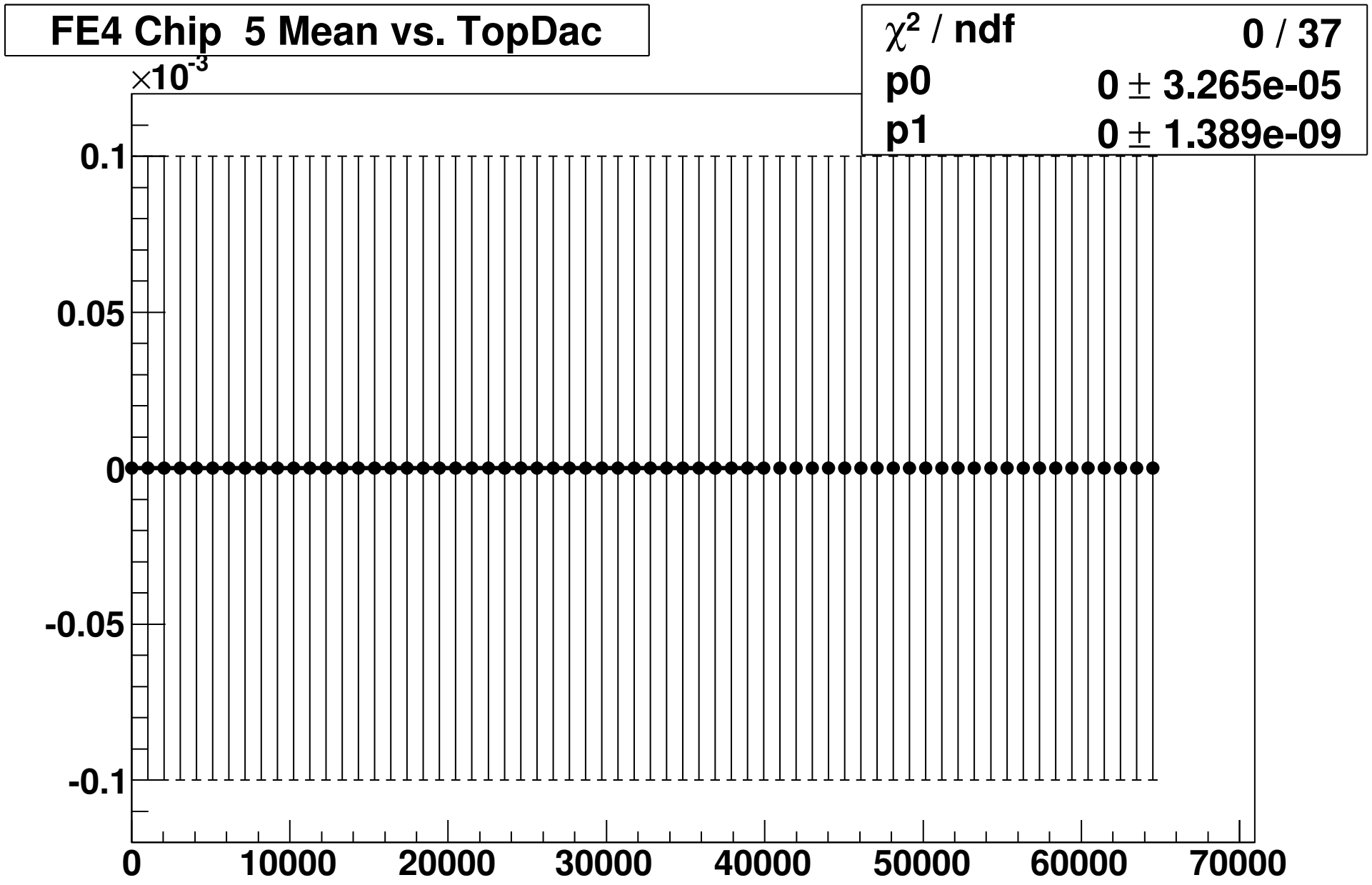
FE4 Chip 5 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
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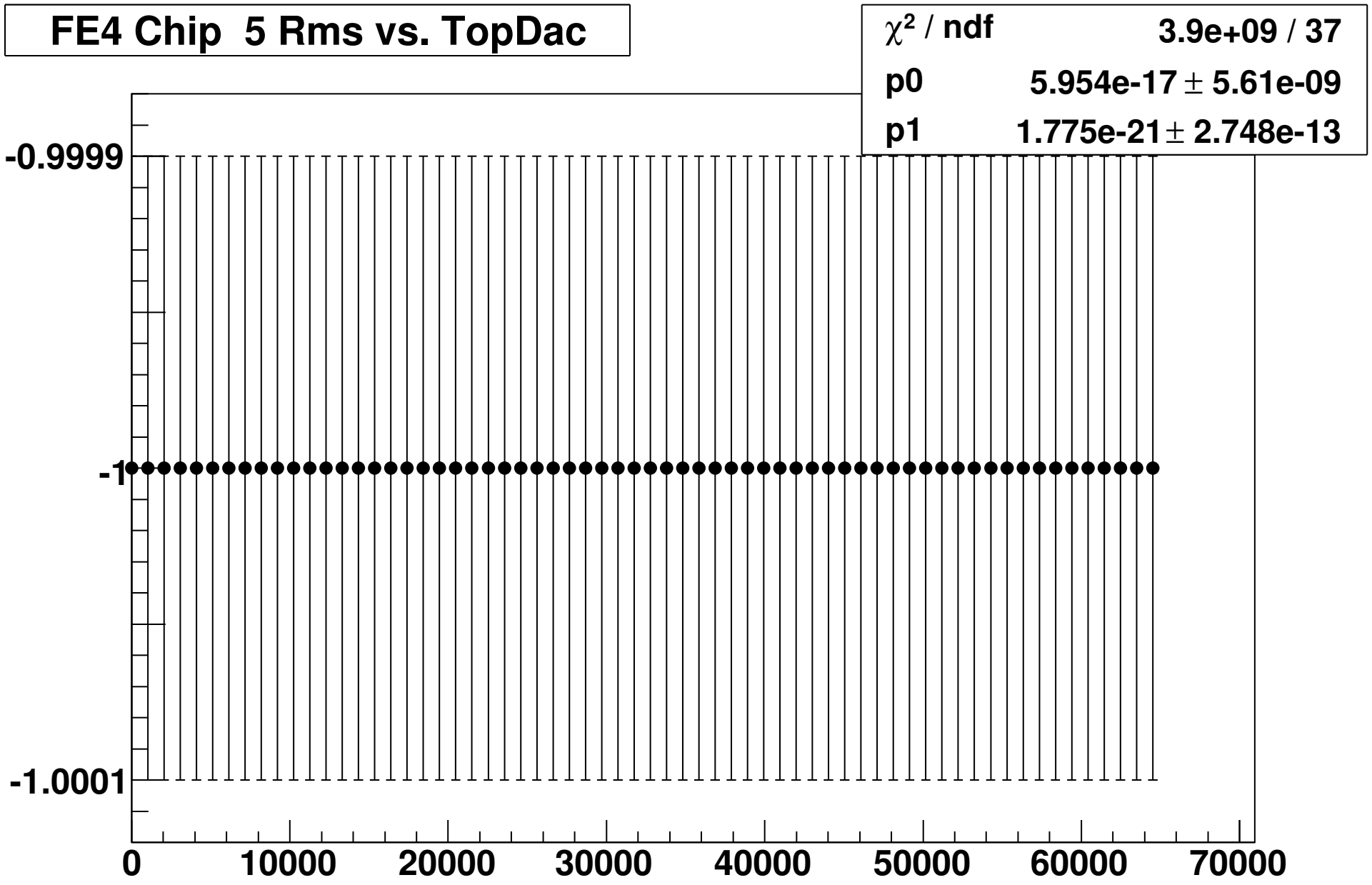
FE4 Chip 5 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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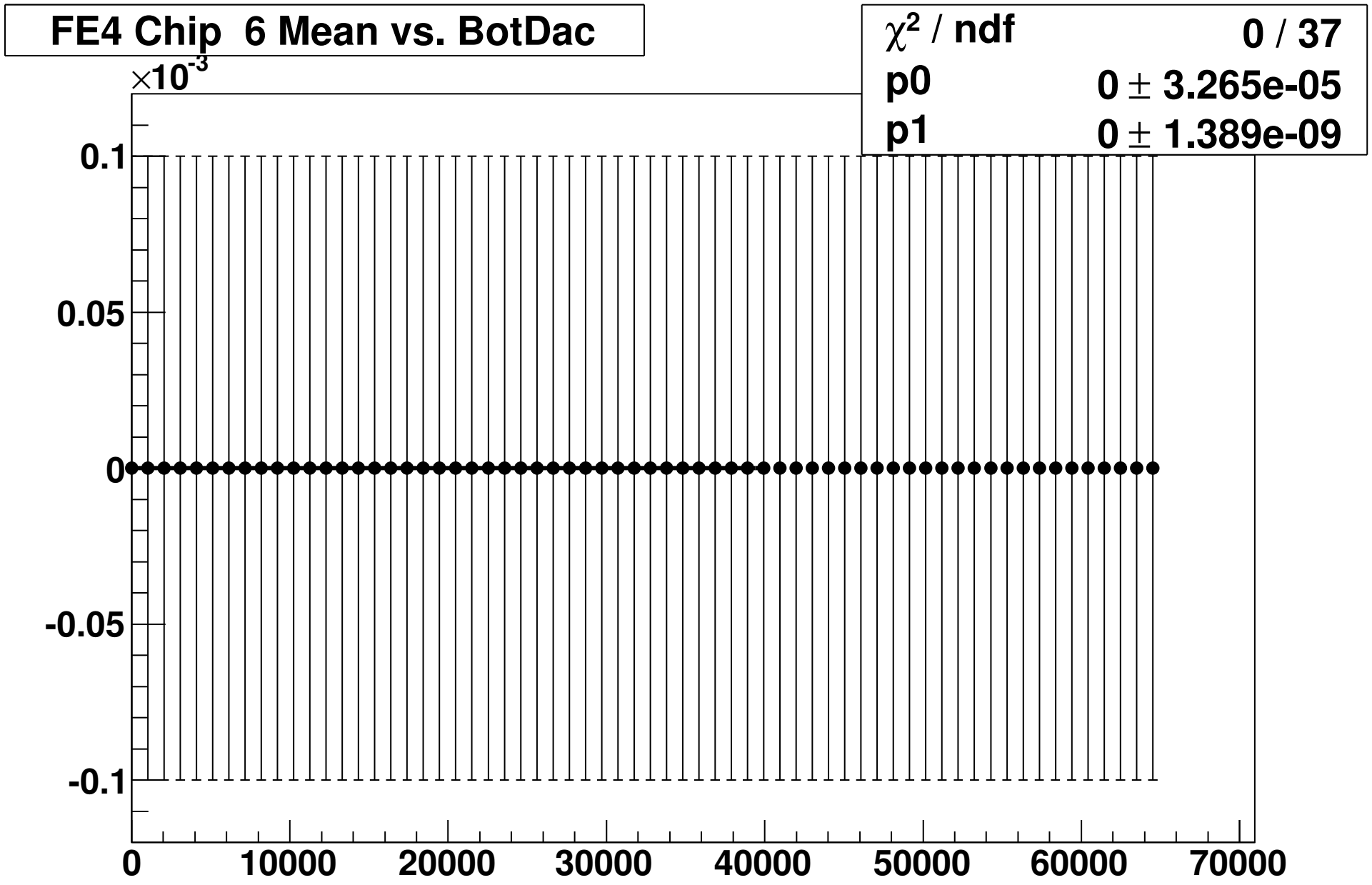
FE4 Chip 6 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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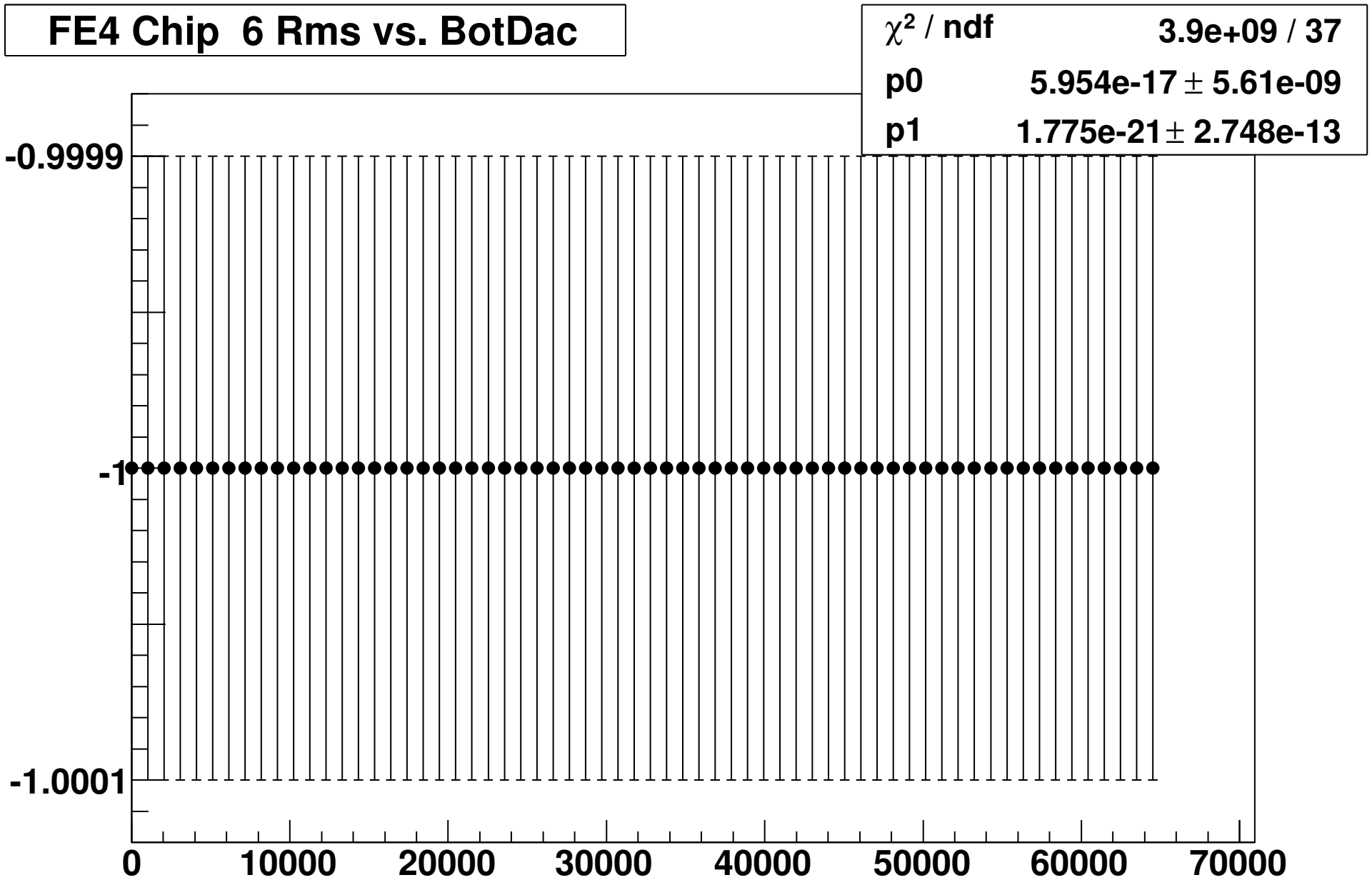
FE4 Chip 6 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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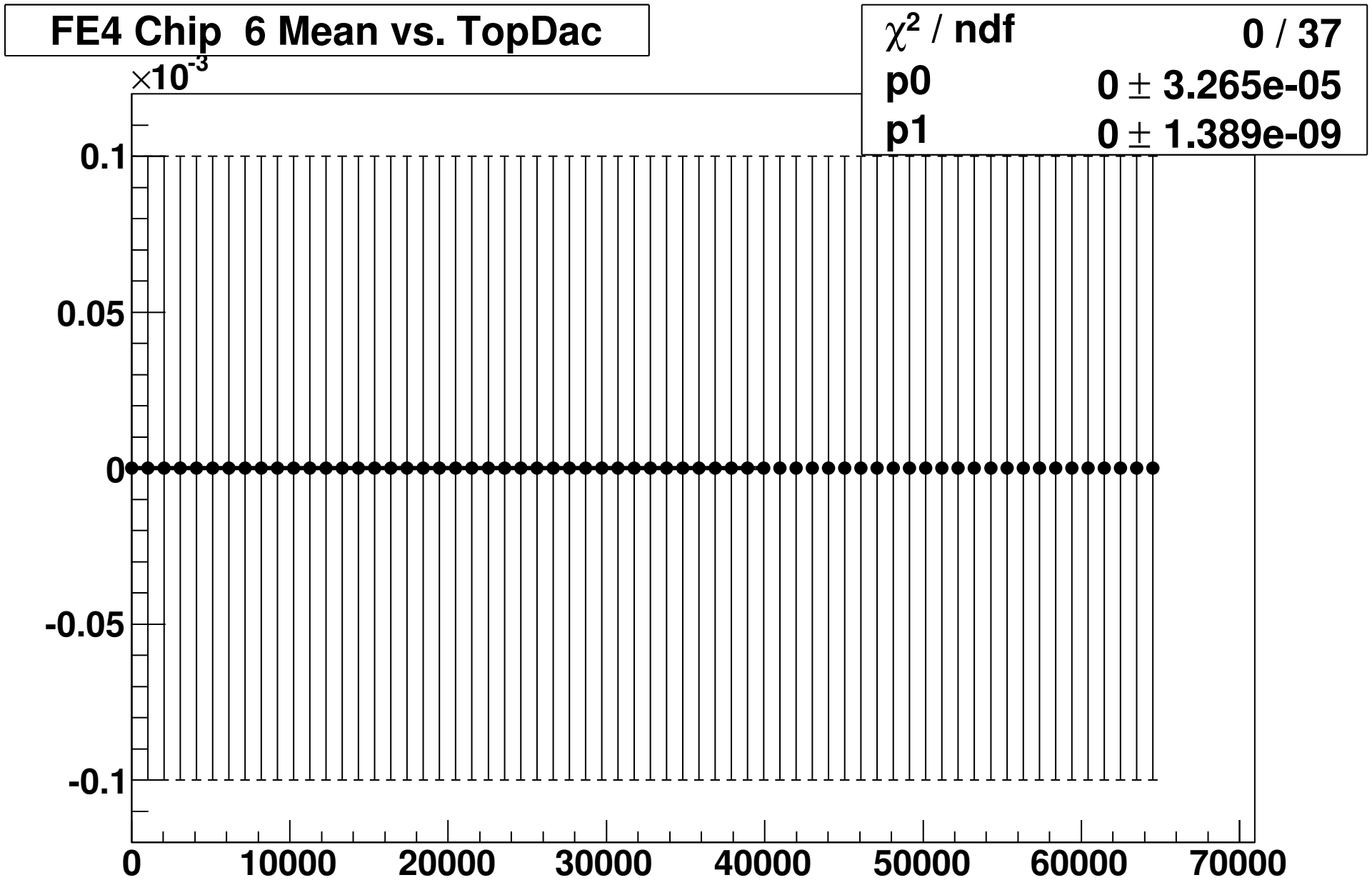
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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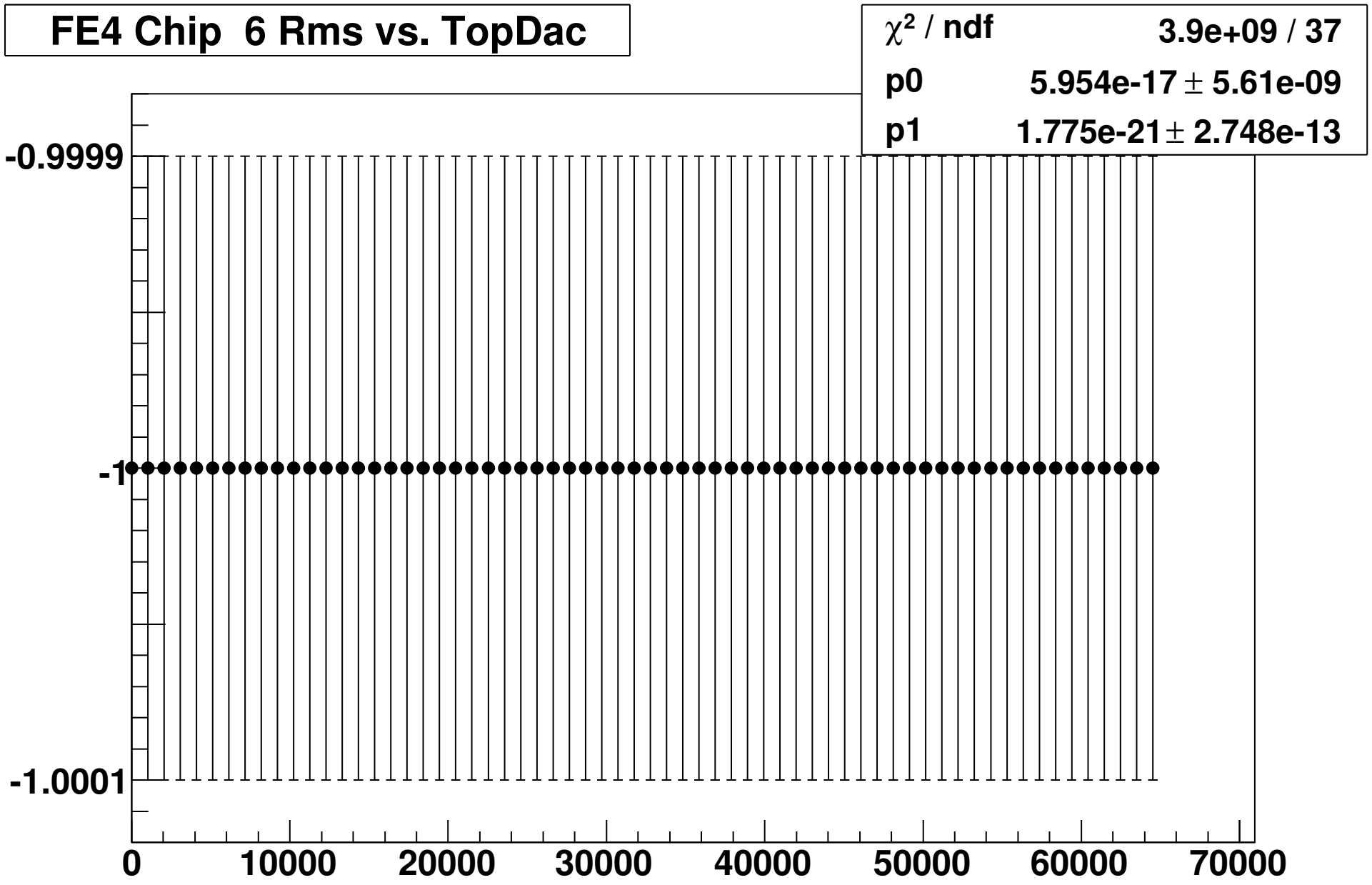
FE4 Chip 6 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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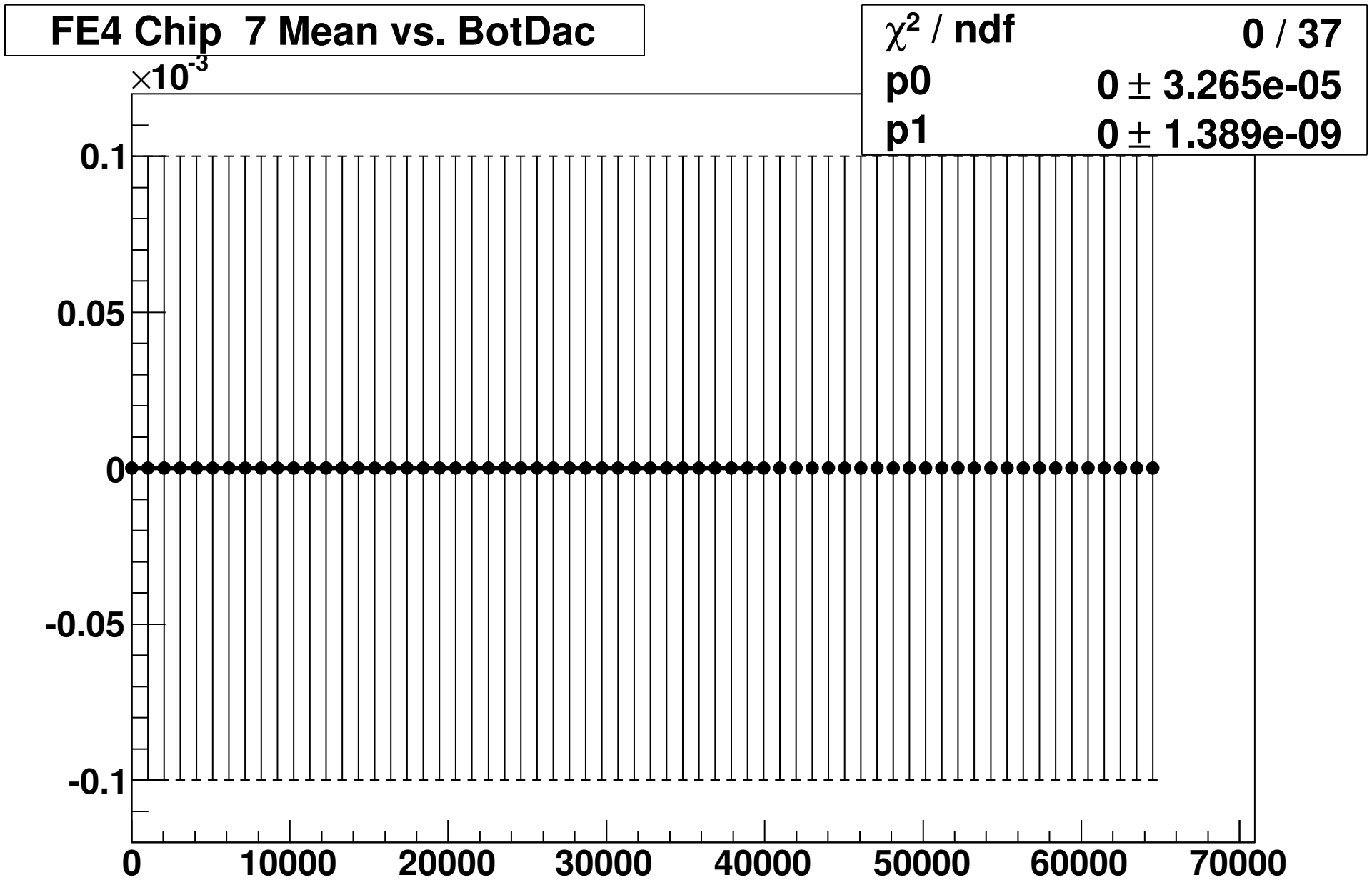
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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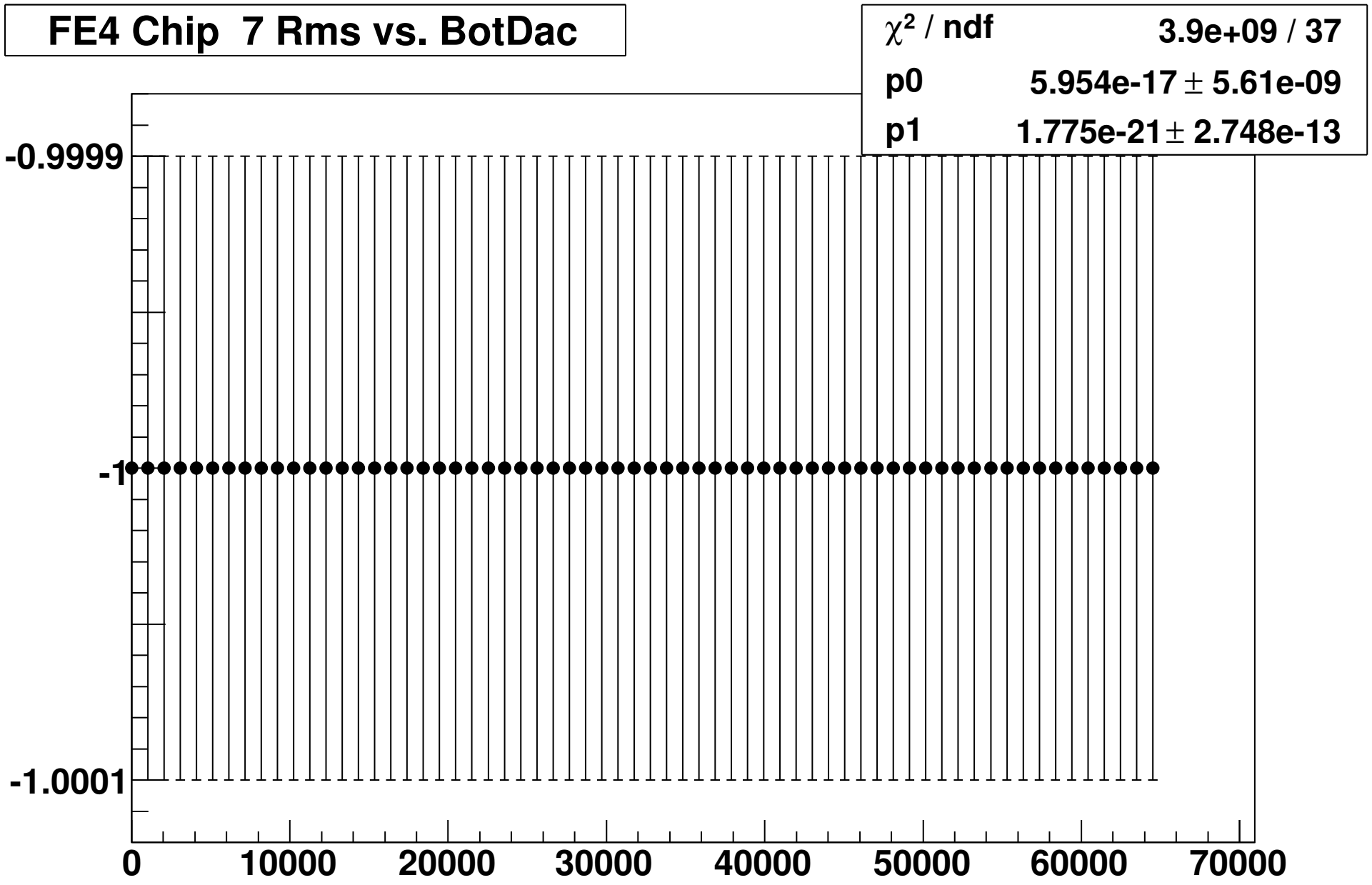
FE4 Chip 7 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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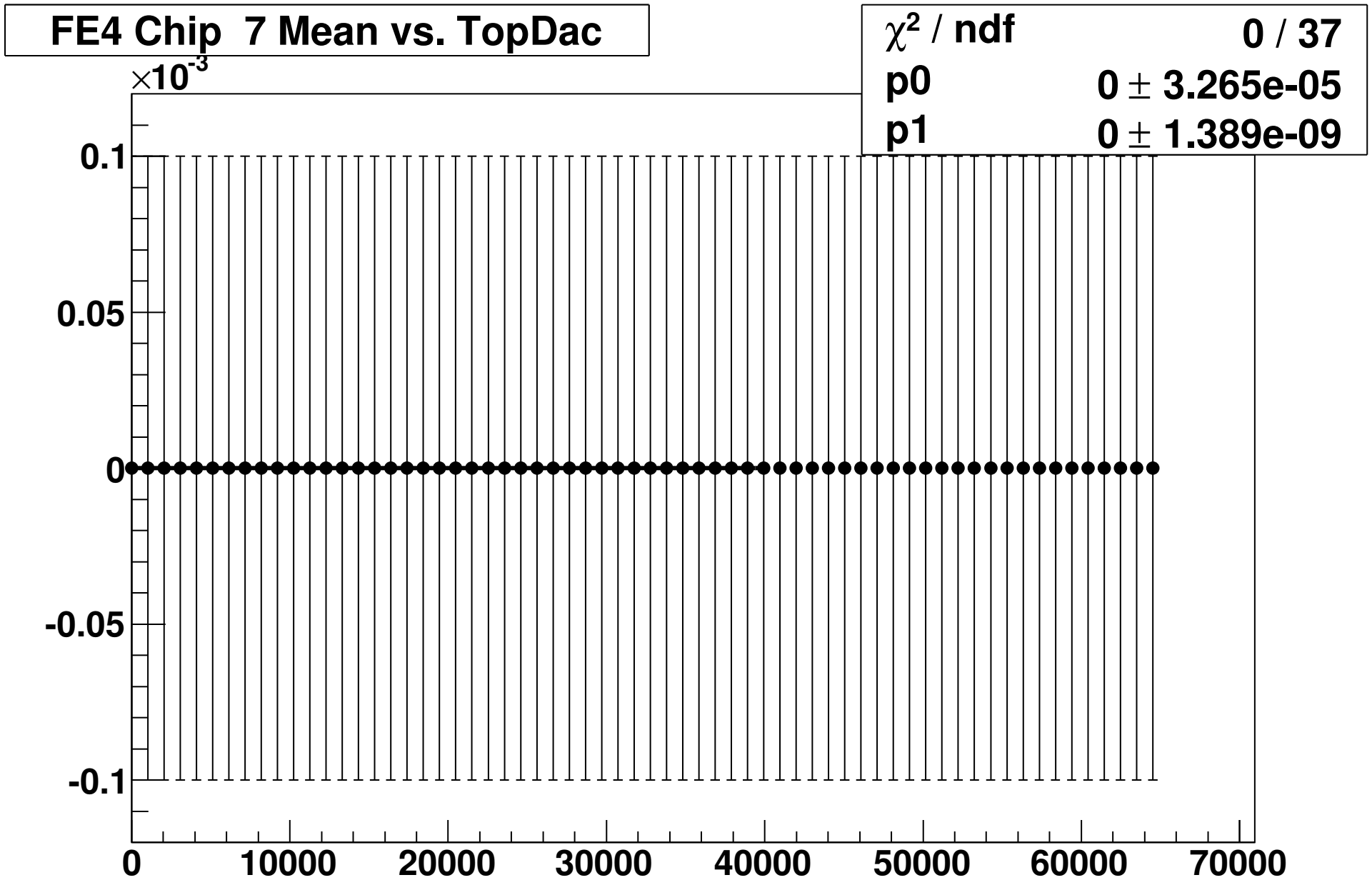
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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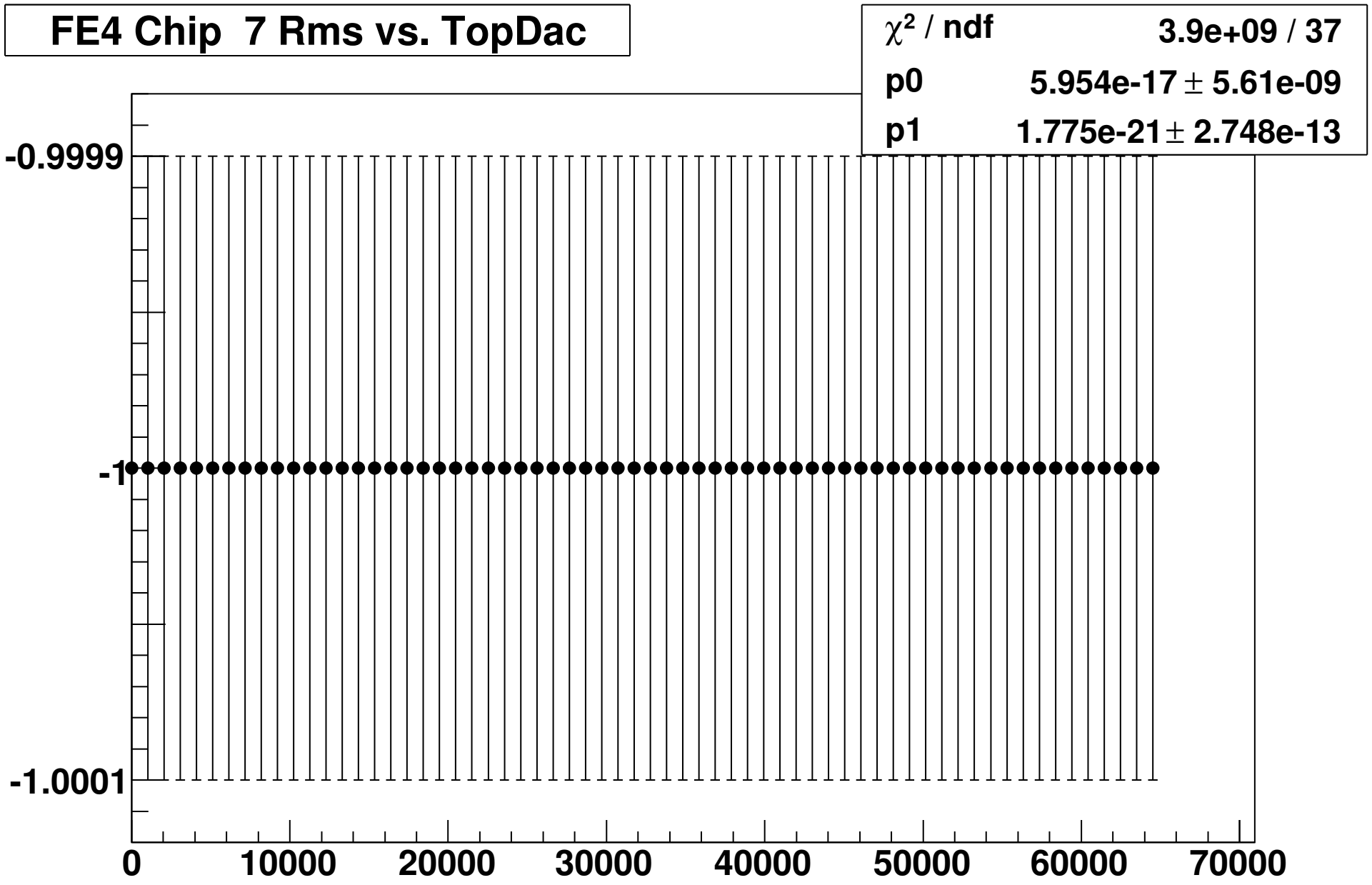
FE4 Chip 7 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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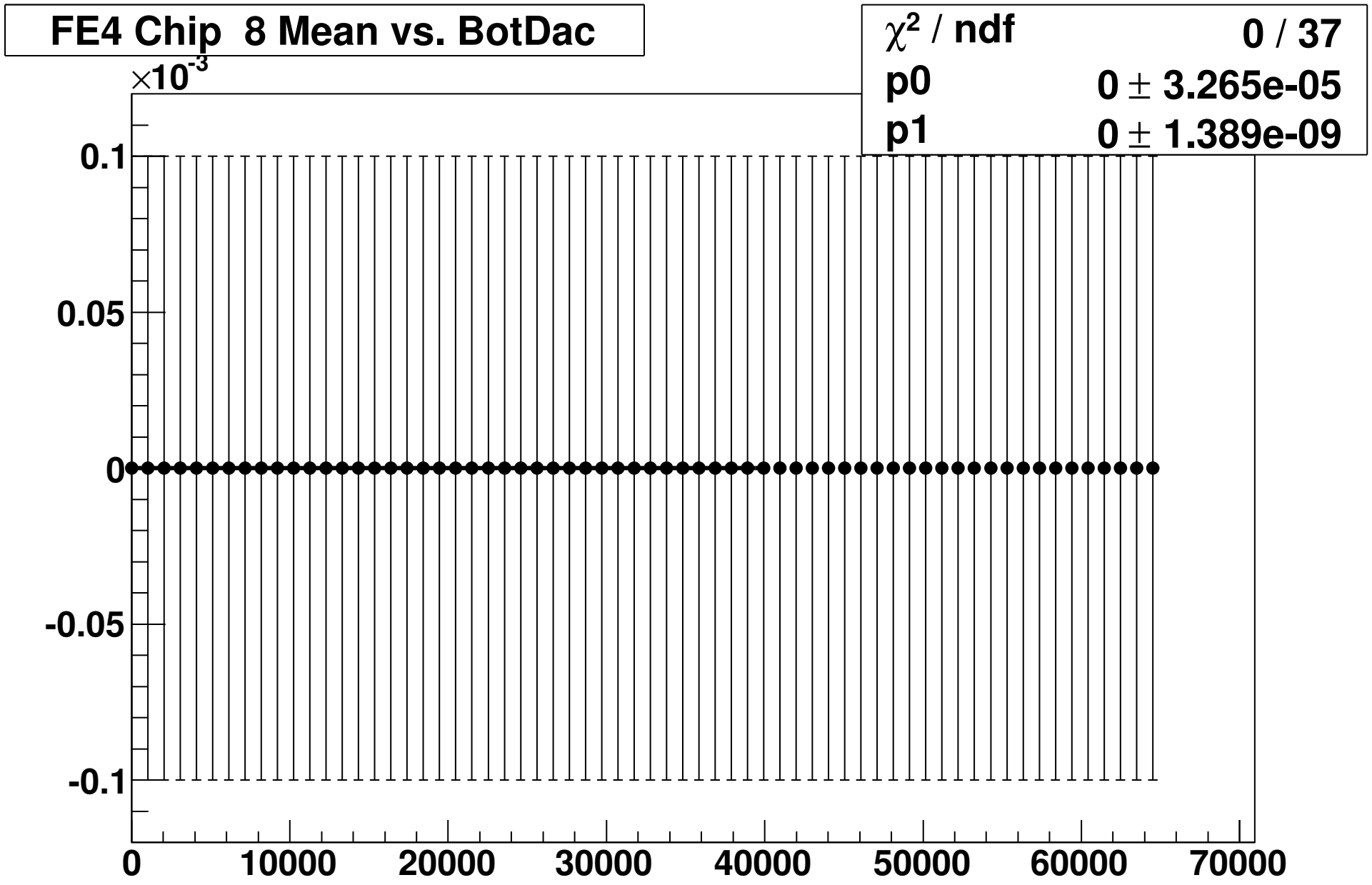
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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-0.05
-0.1
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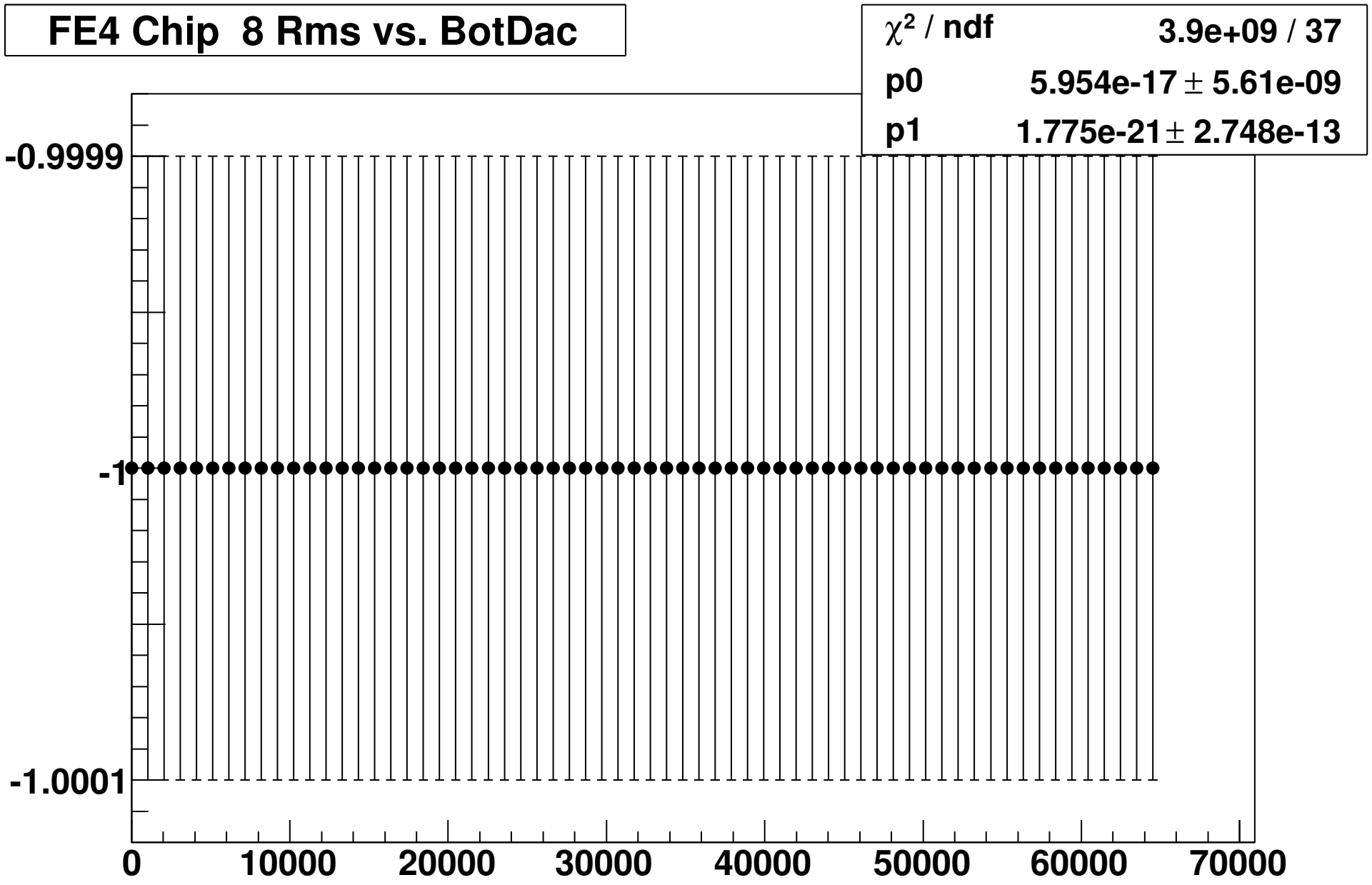
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
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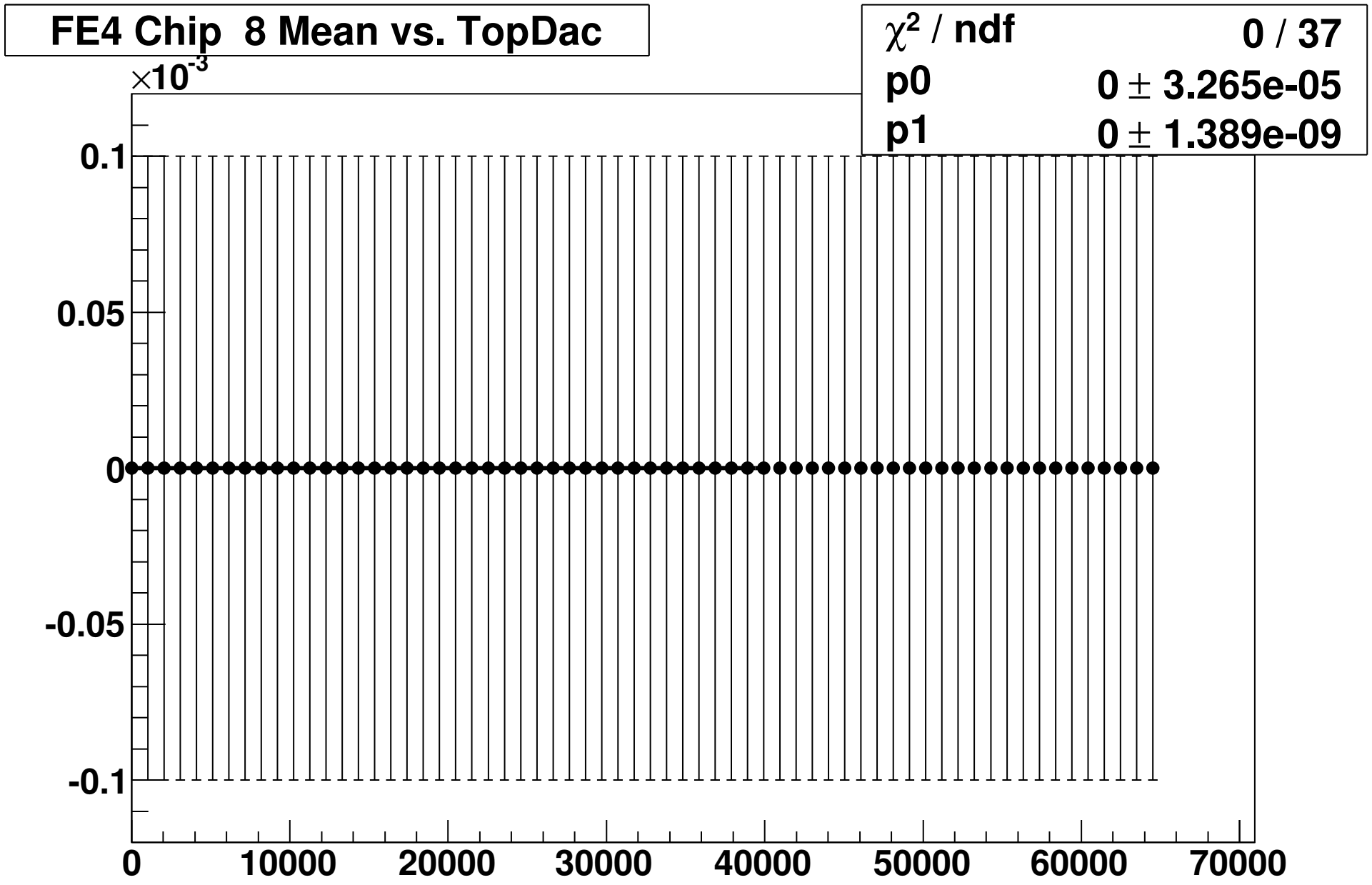
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
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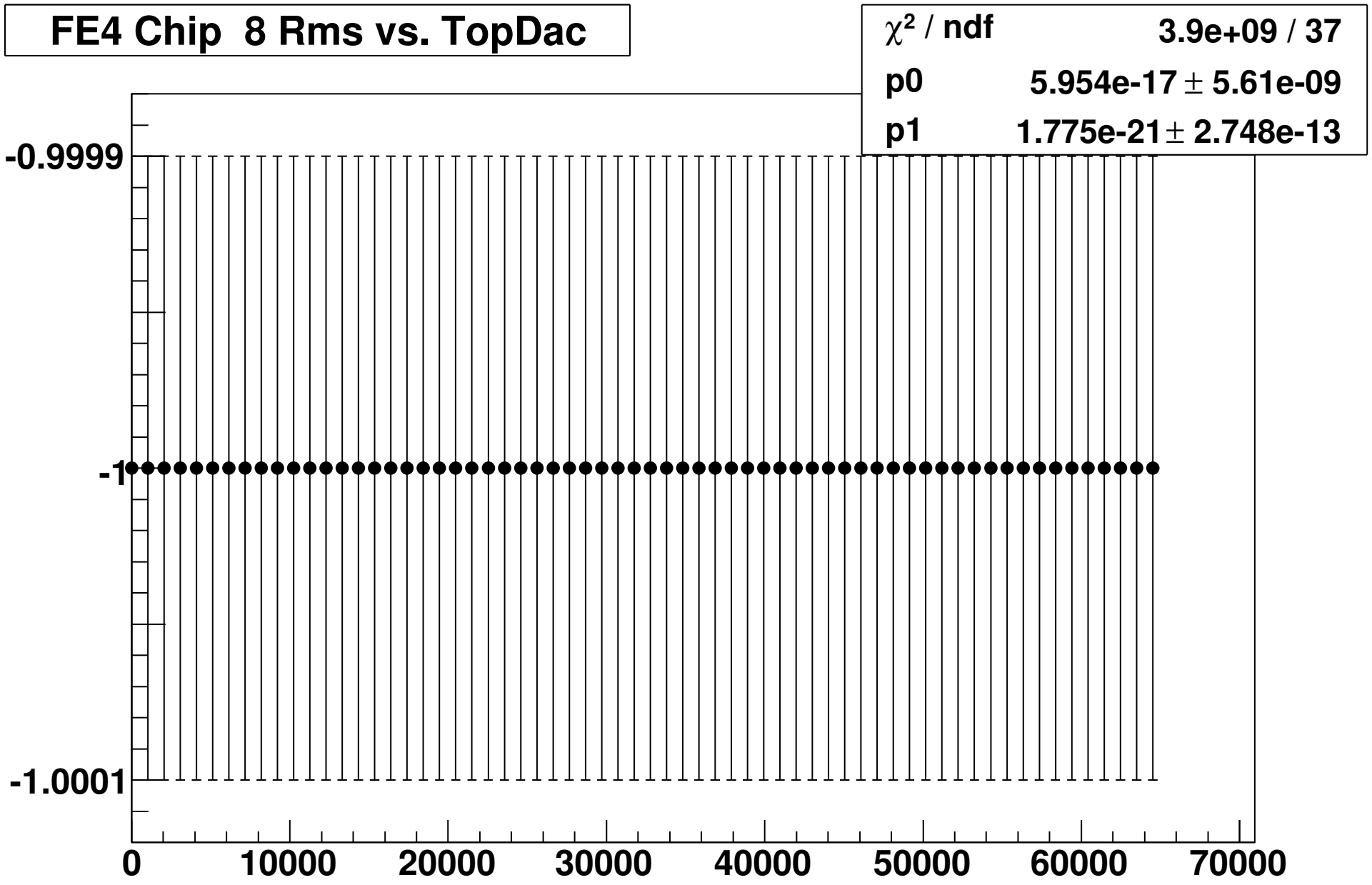
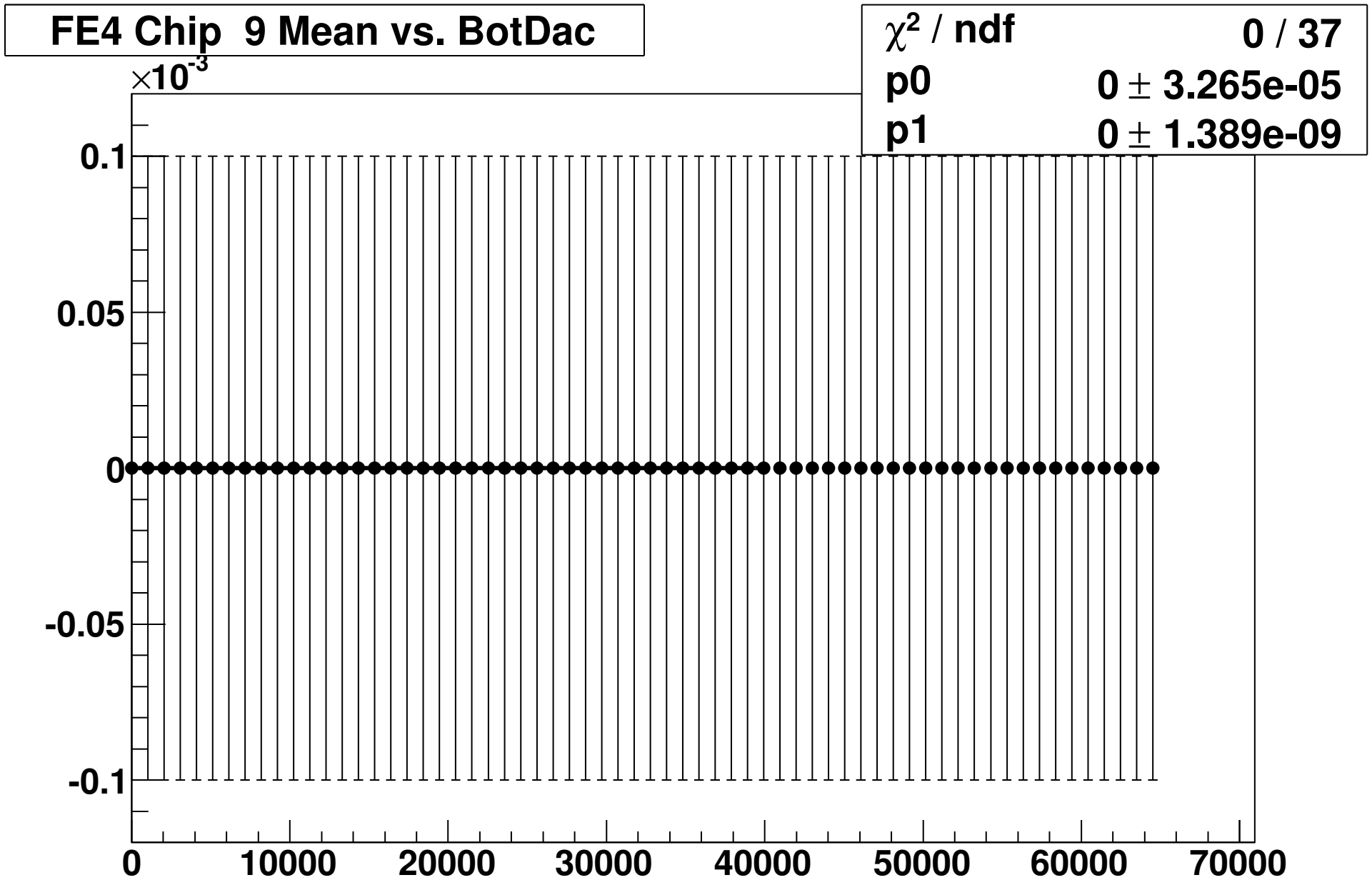
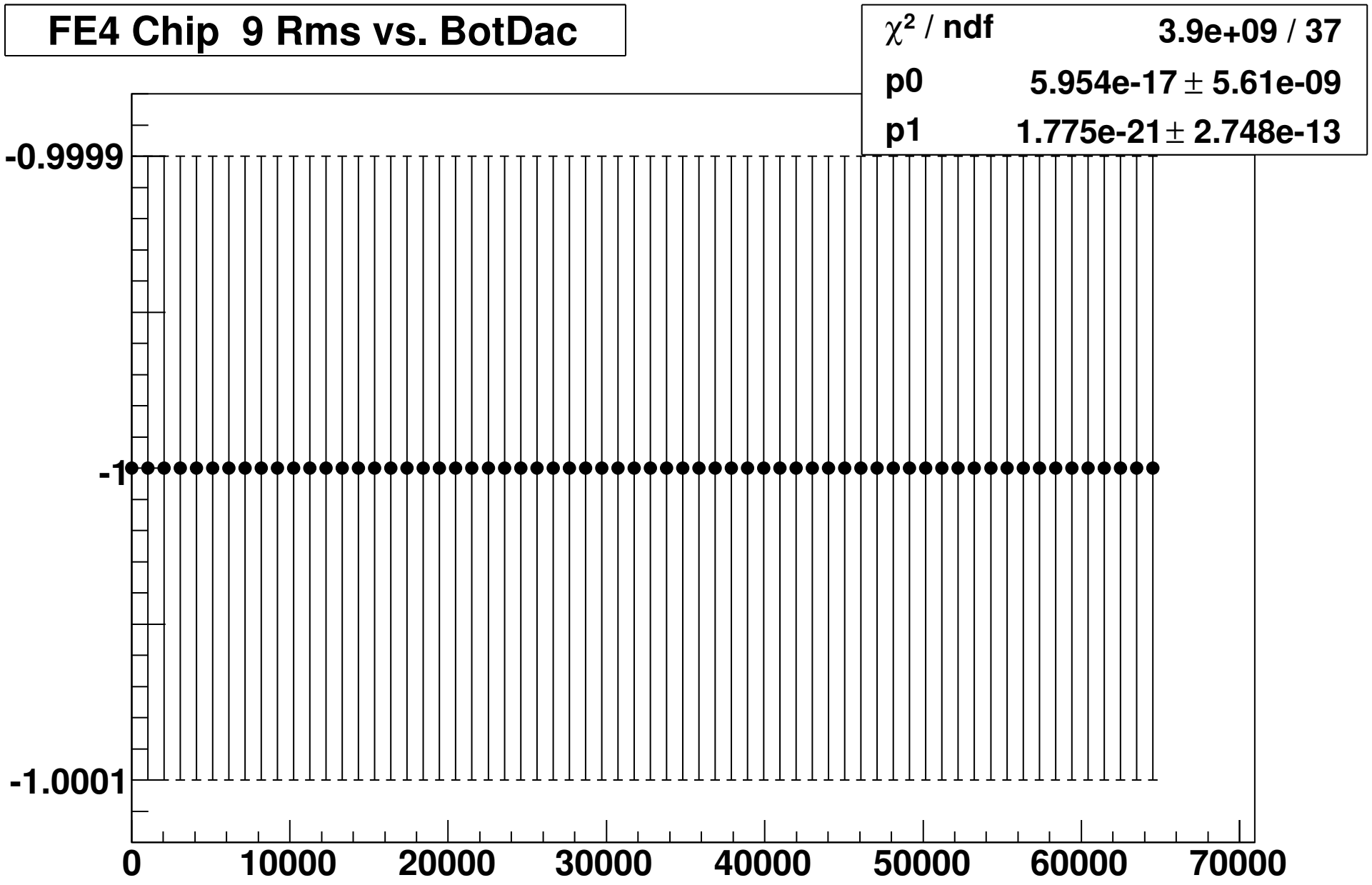
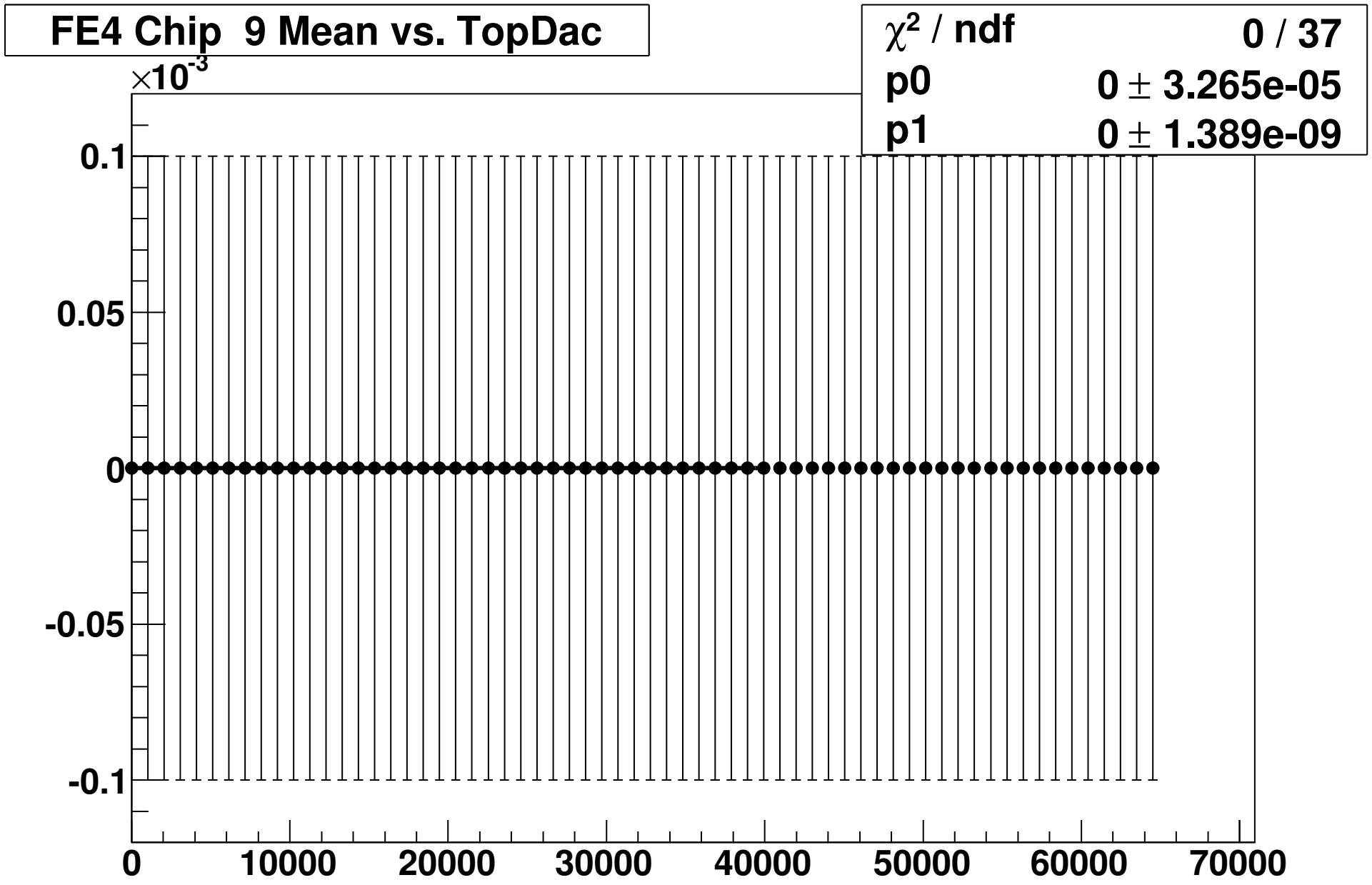

FE4 Chip 8 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
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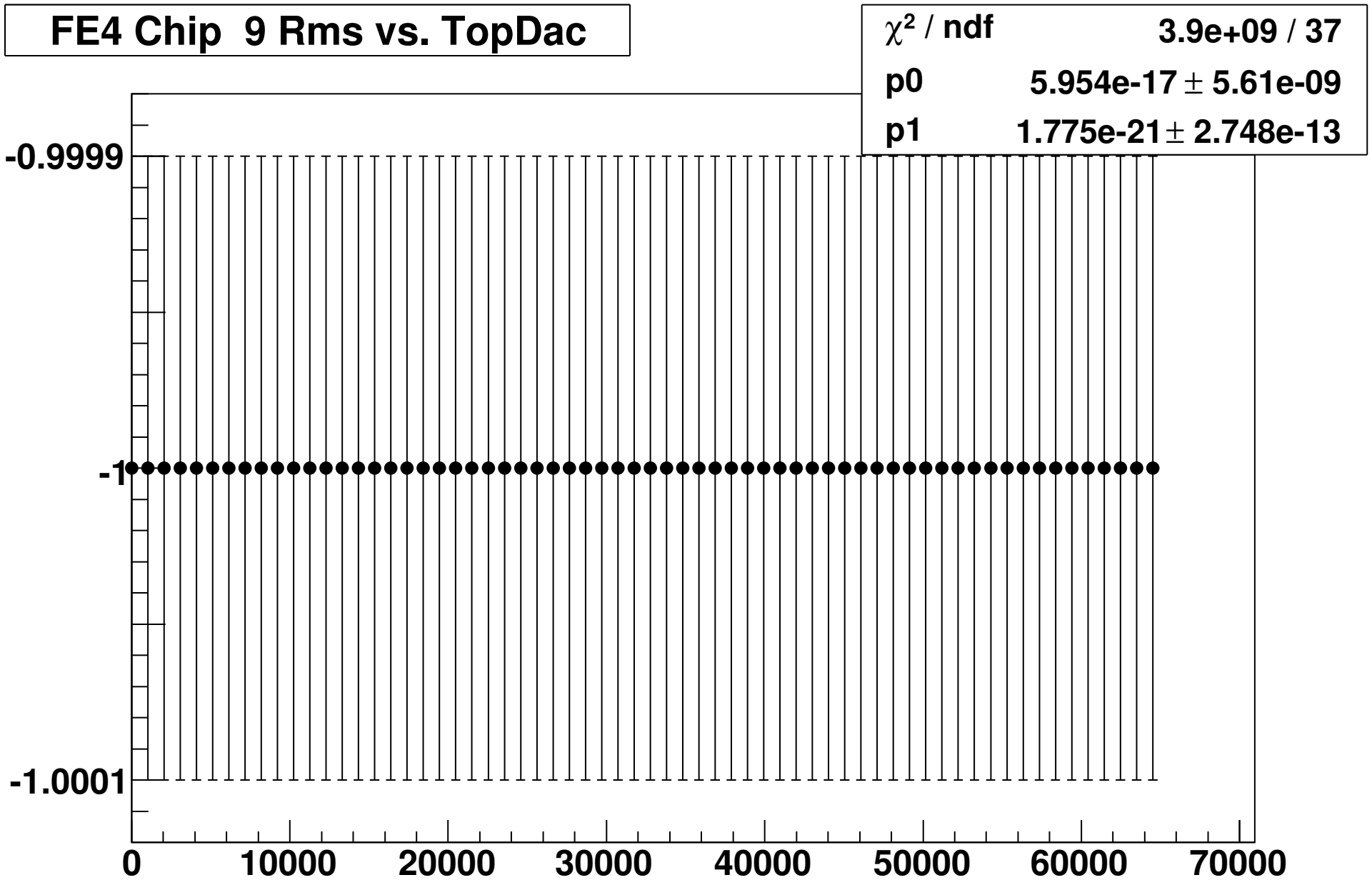
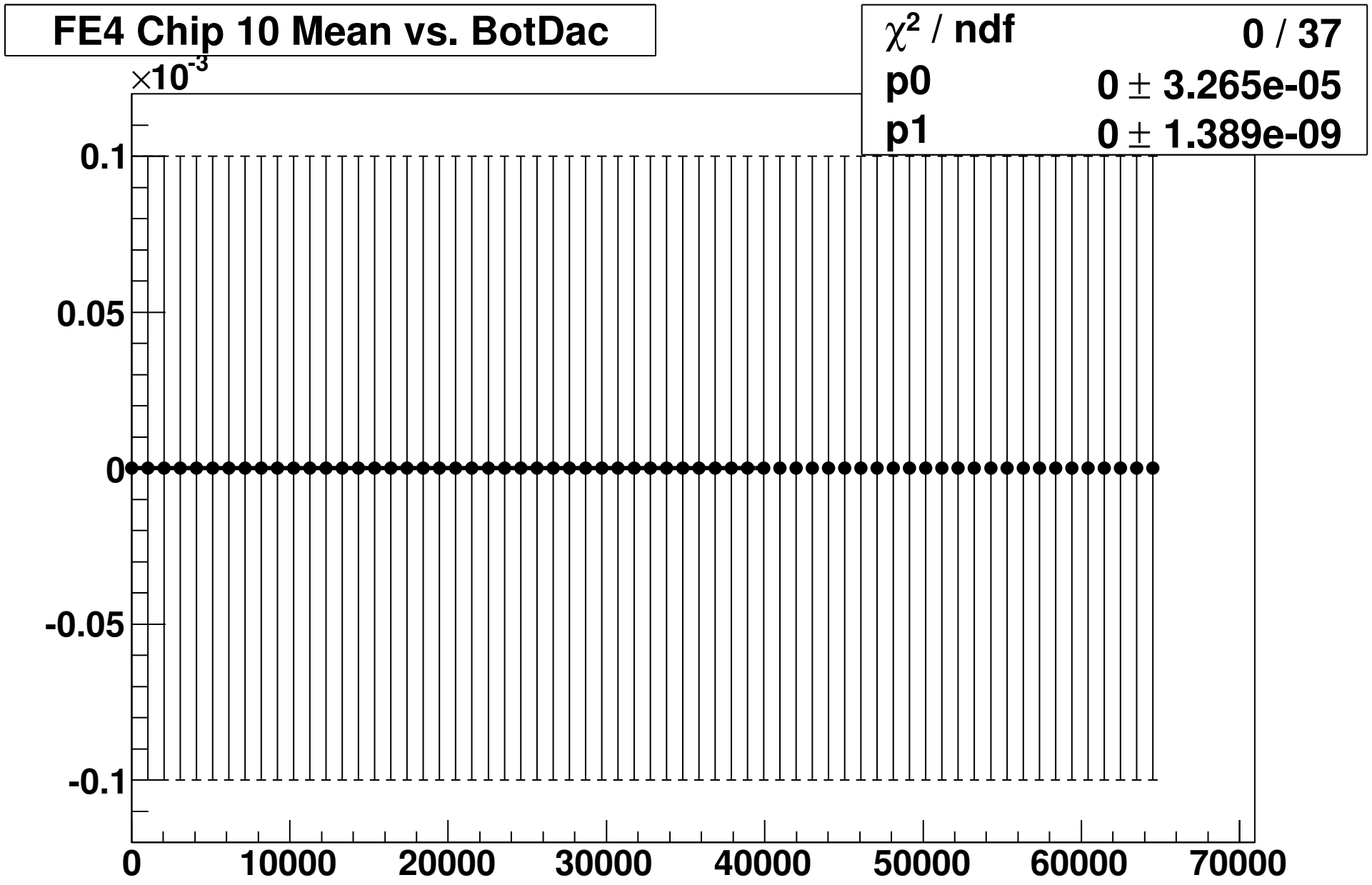
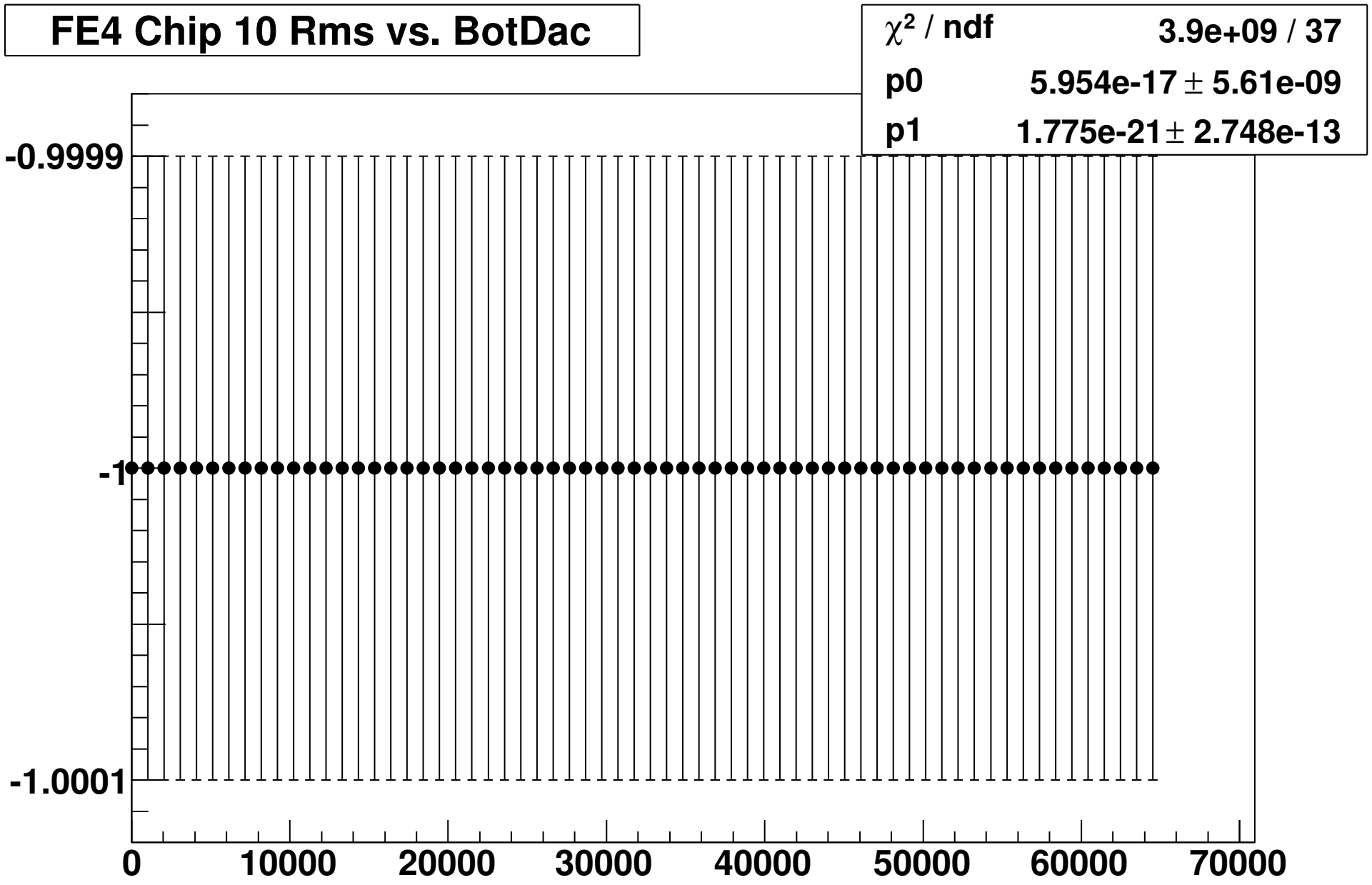
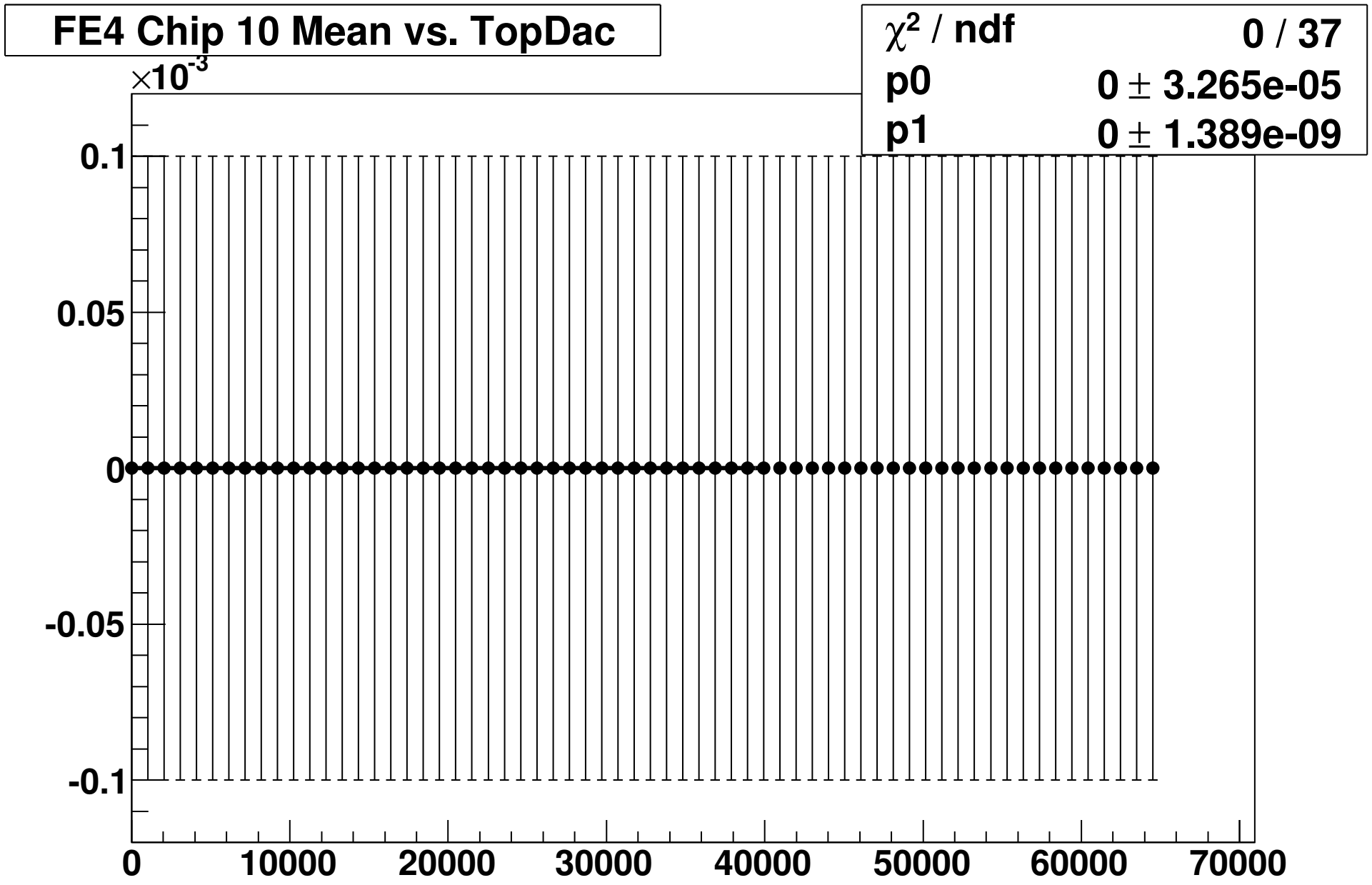
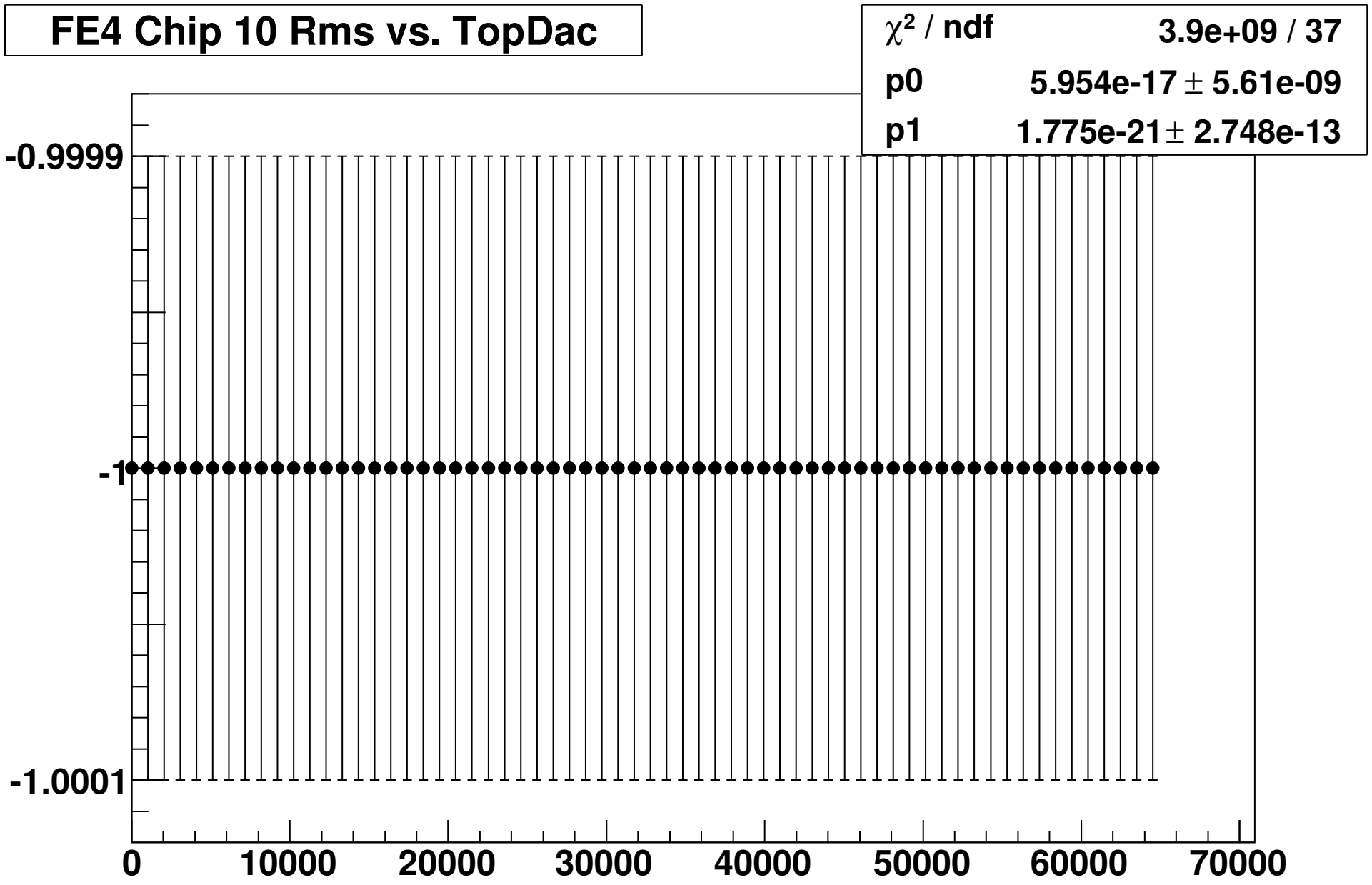
40000
50000
60000
70000

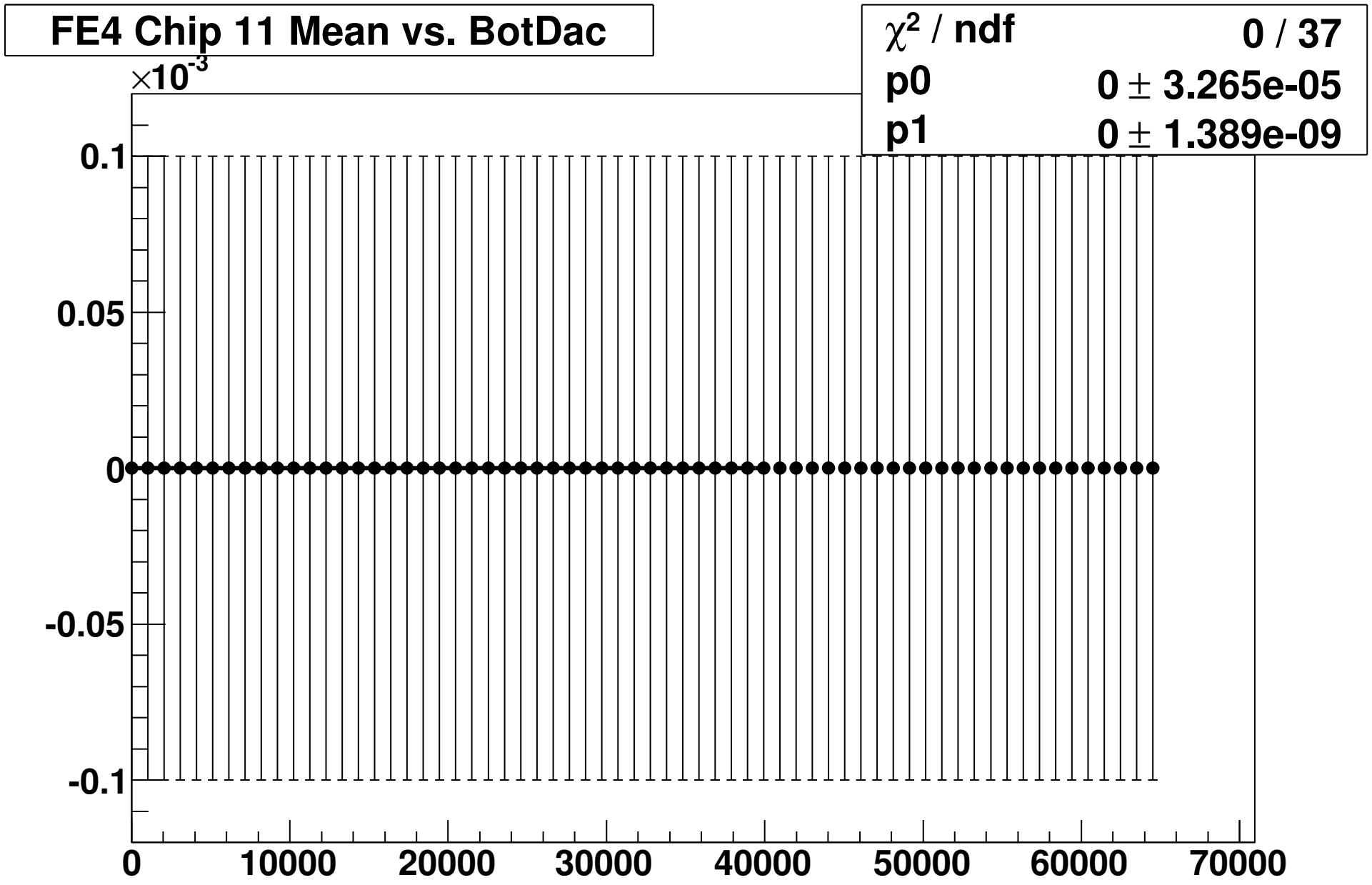

FE4 Chip 9 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000

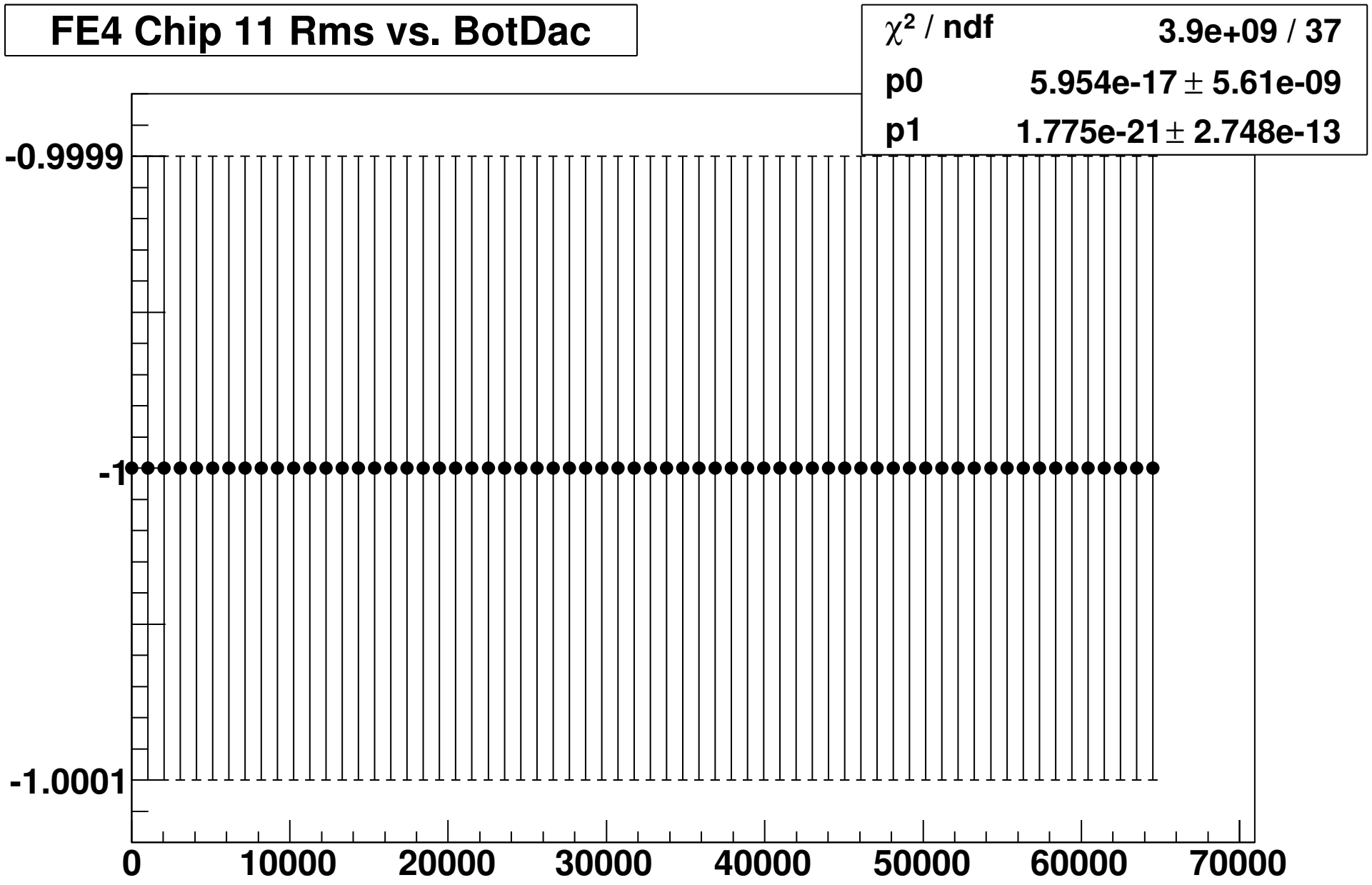

FE4 Chip 10 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

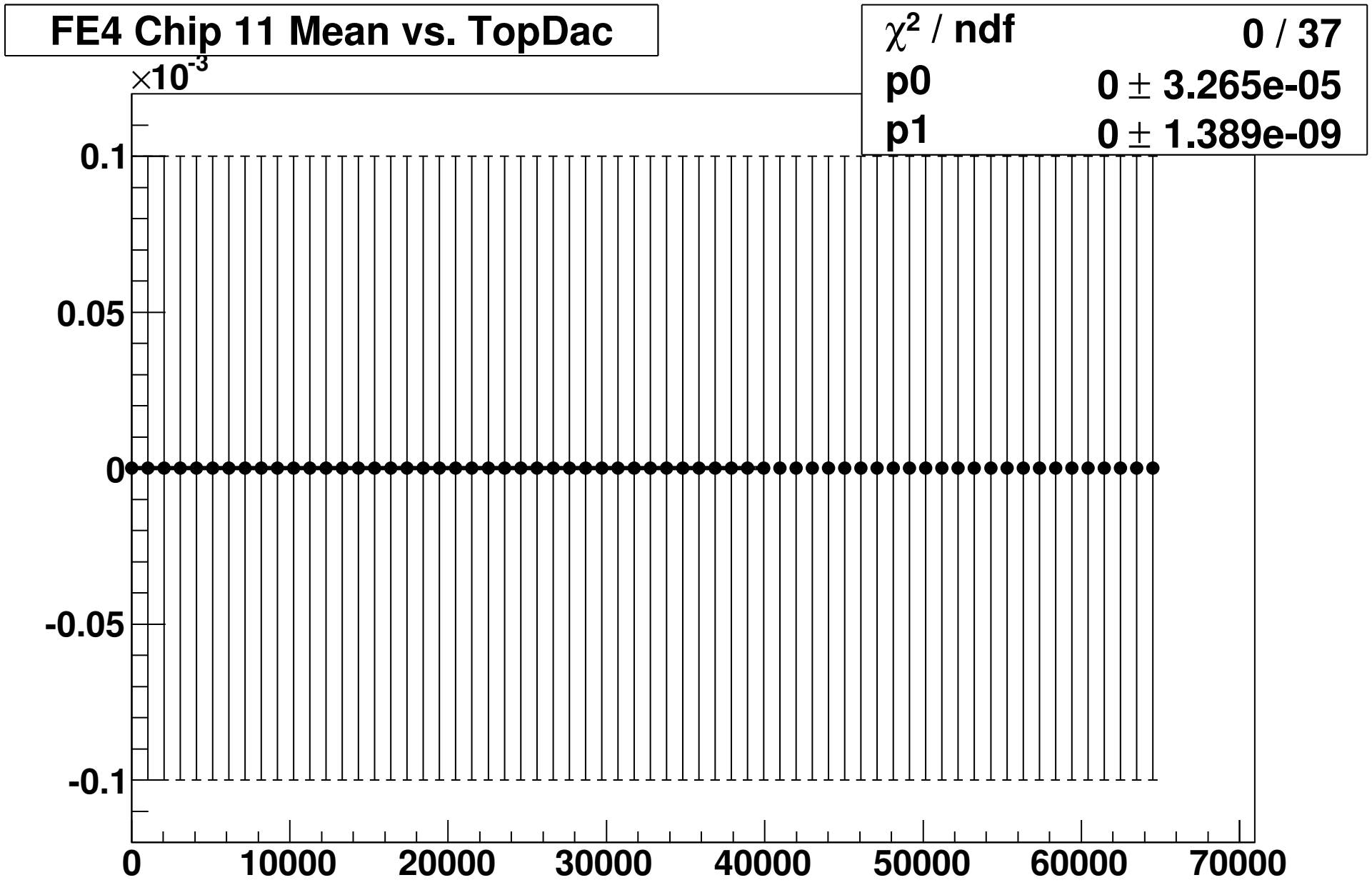

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000

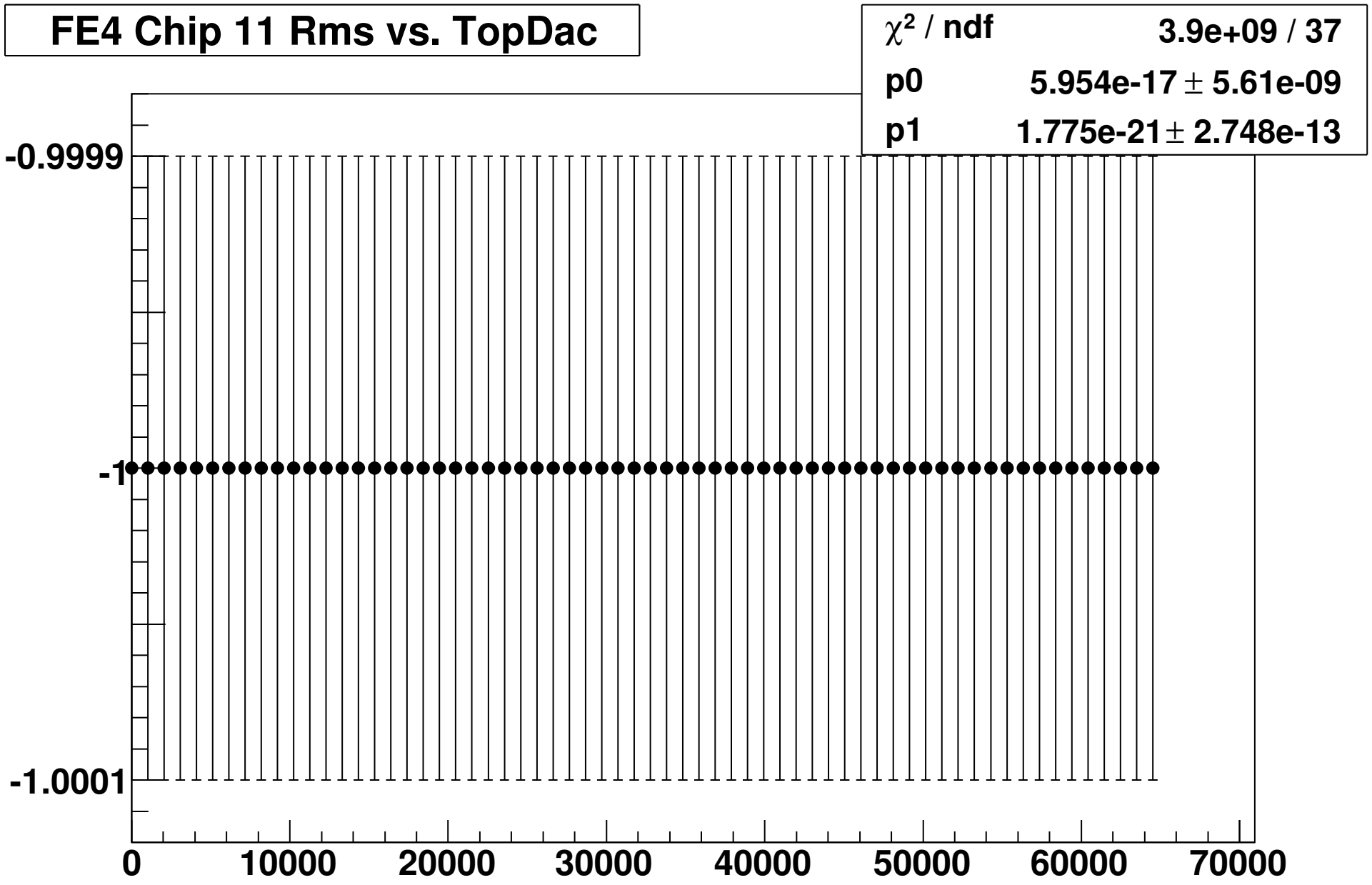

FE4 Chip 10 Mean vs. TopDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

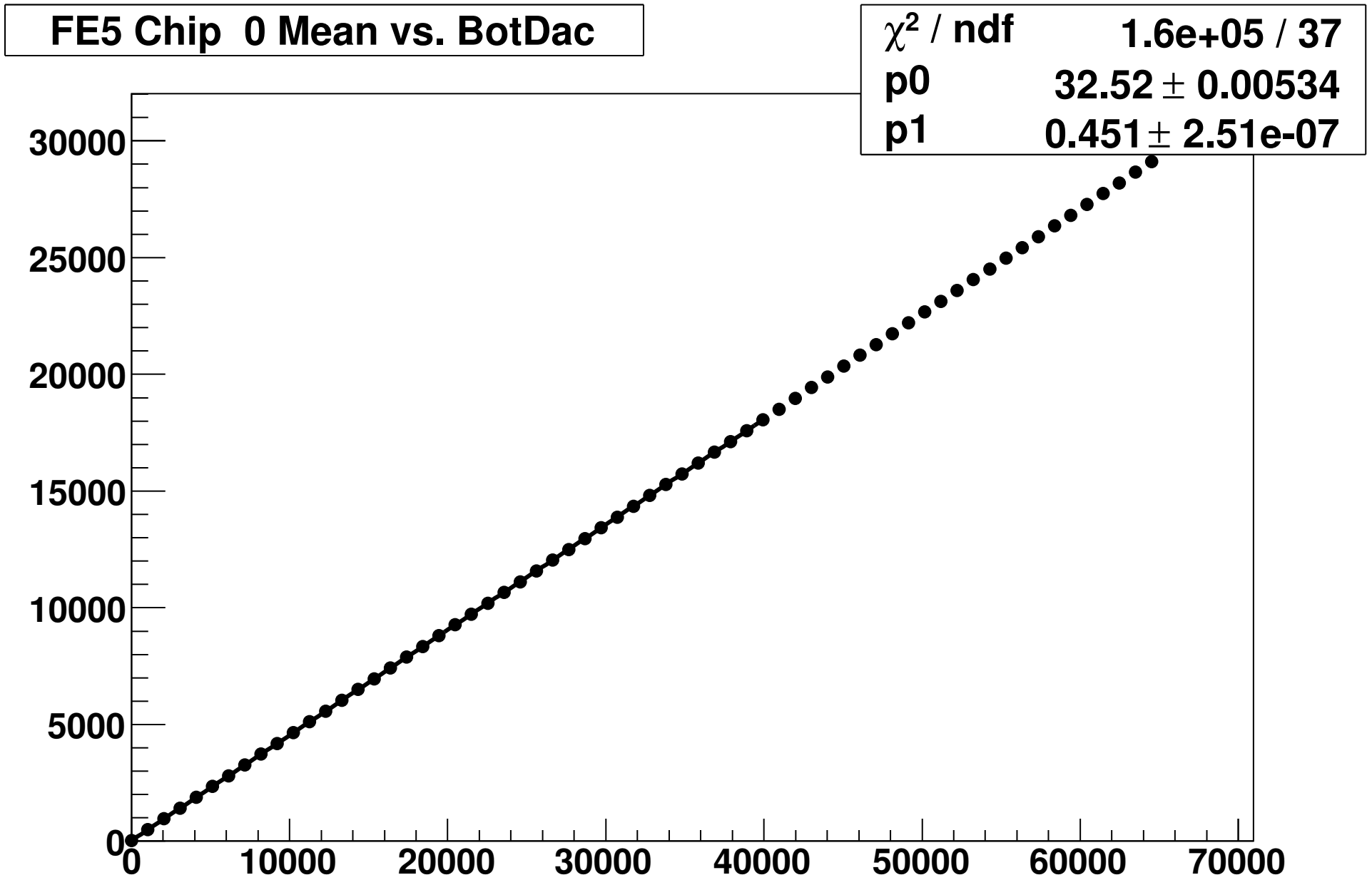

FE4 Chip 10 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000

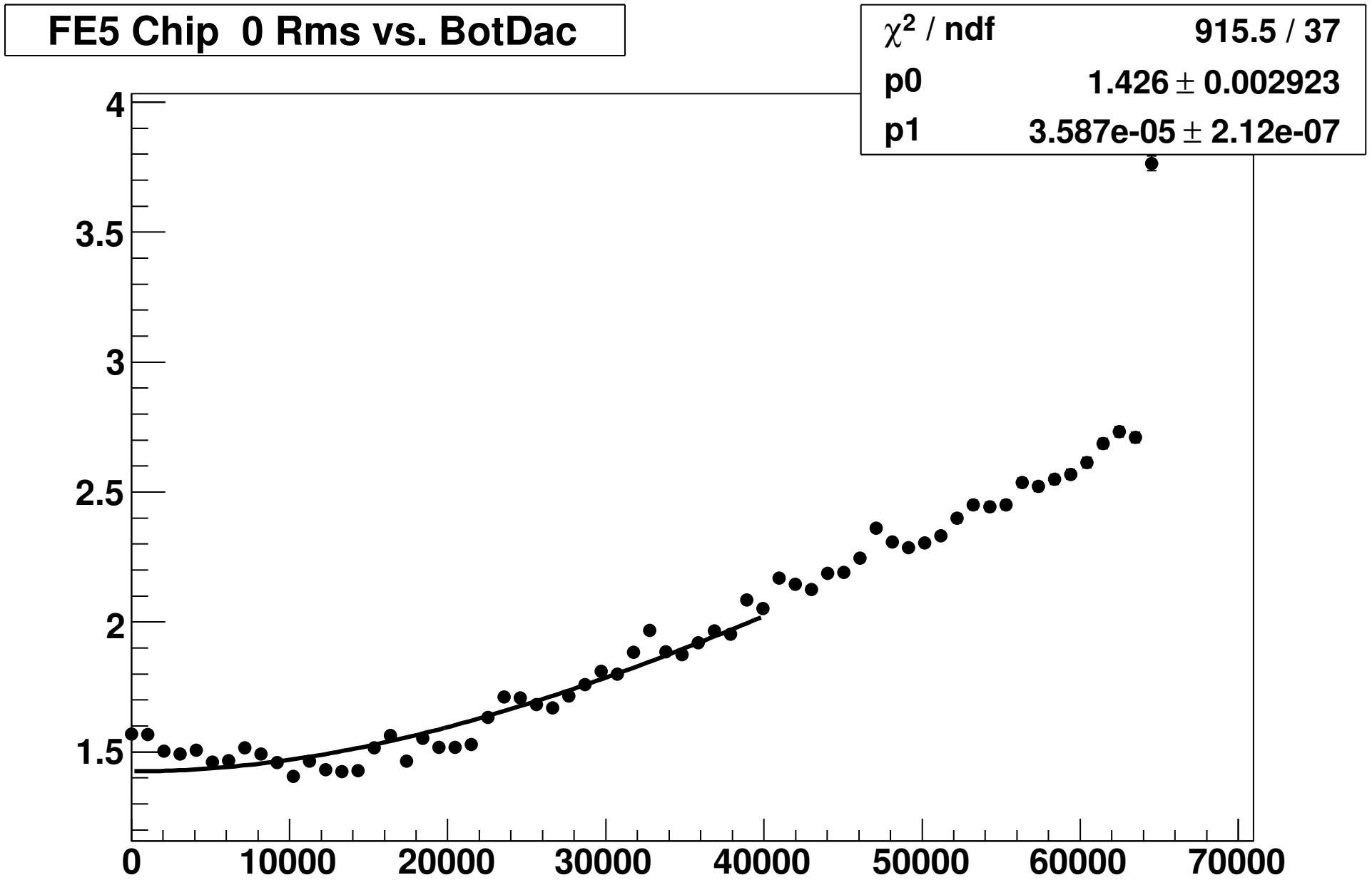

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

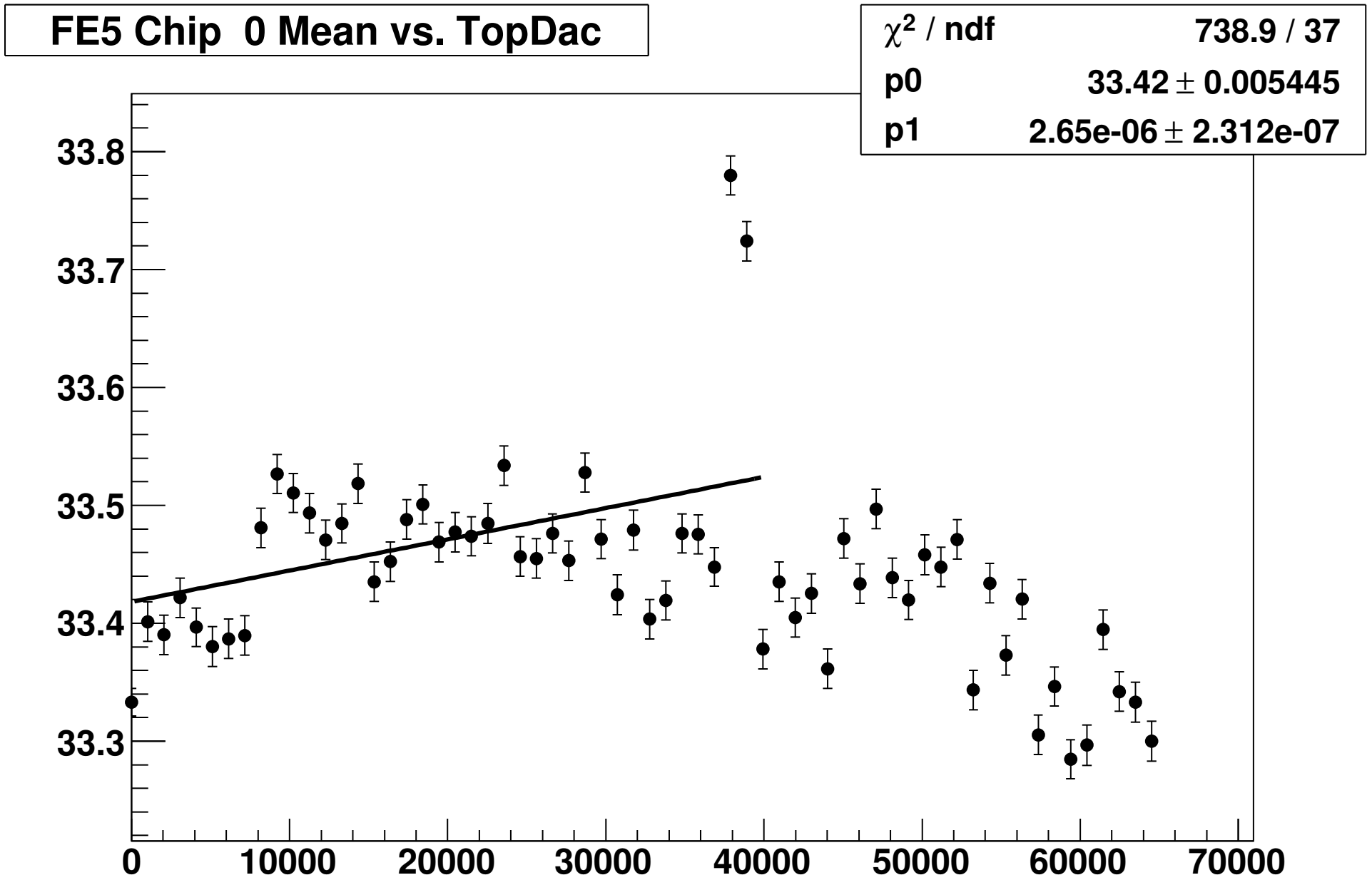

FE4 Chip 11 Rms vs. BotDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000

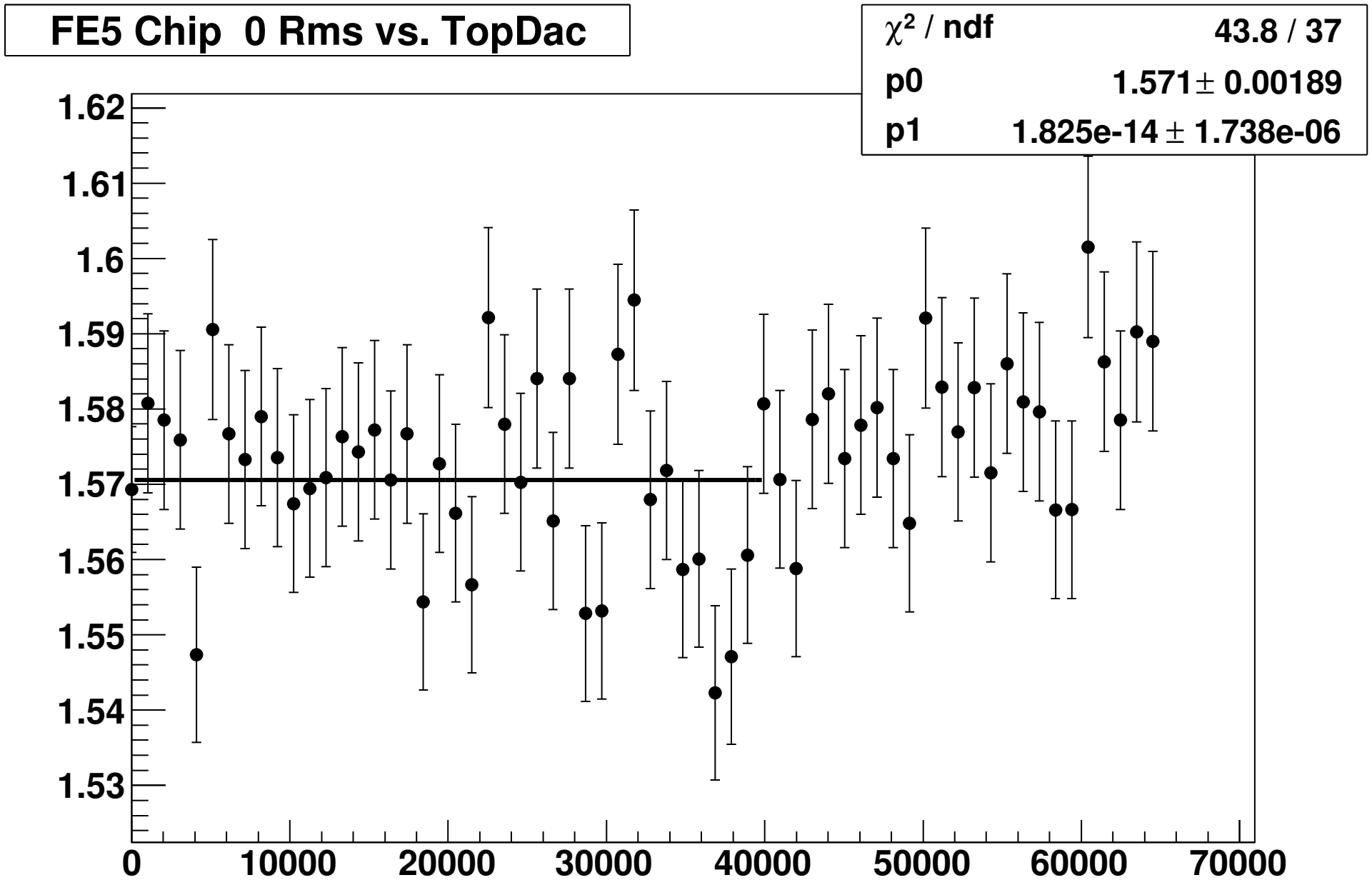

FE4 Chip 11 Mean vs. TopDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

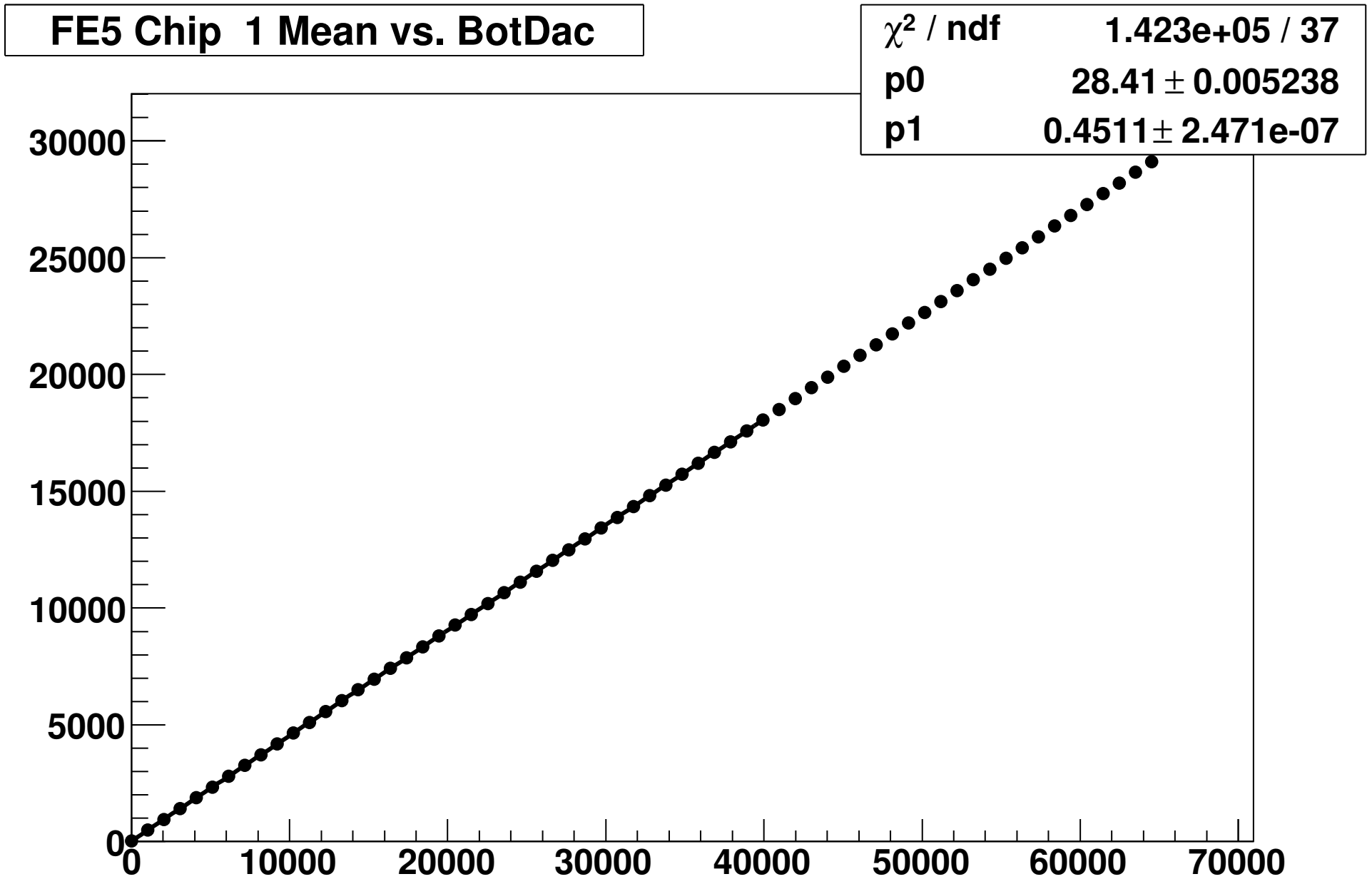

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 3.9e+09 / 37
p0 5.954e-17 ± 5.61e-09
p1 1.775e-21 ± 2.748e-13
-0.9999
-1
-1.0001
0
10000
20000
30000
40000
50000
60000
70000

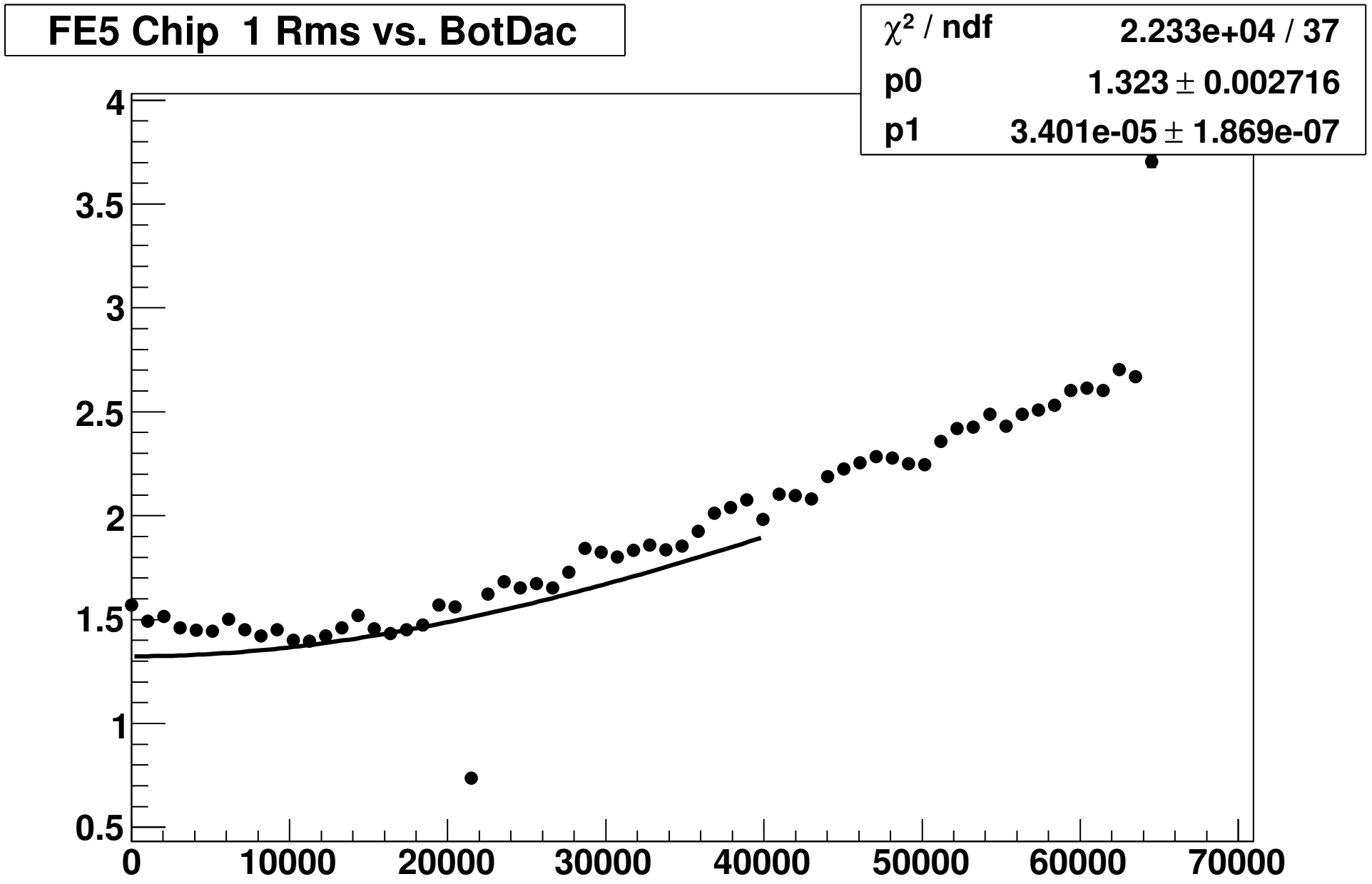

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.6e+05 / 37
p0 32.52 ± 0.00534
p1 0.451 ± 2.51e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

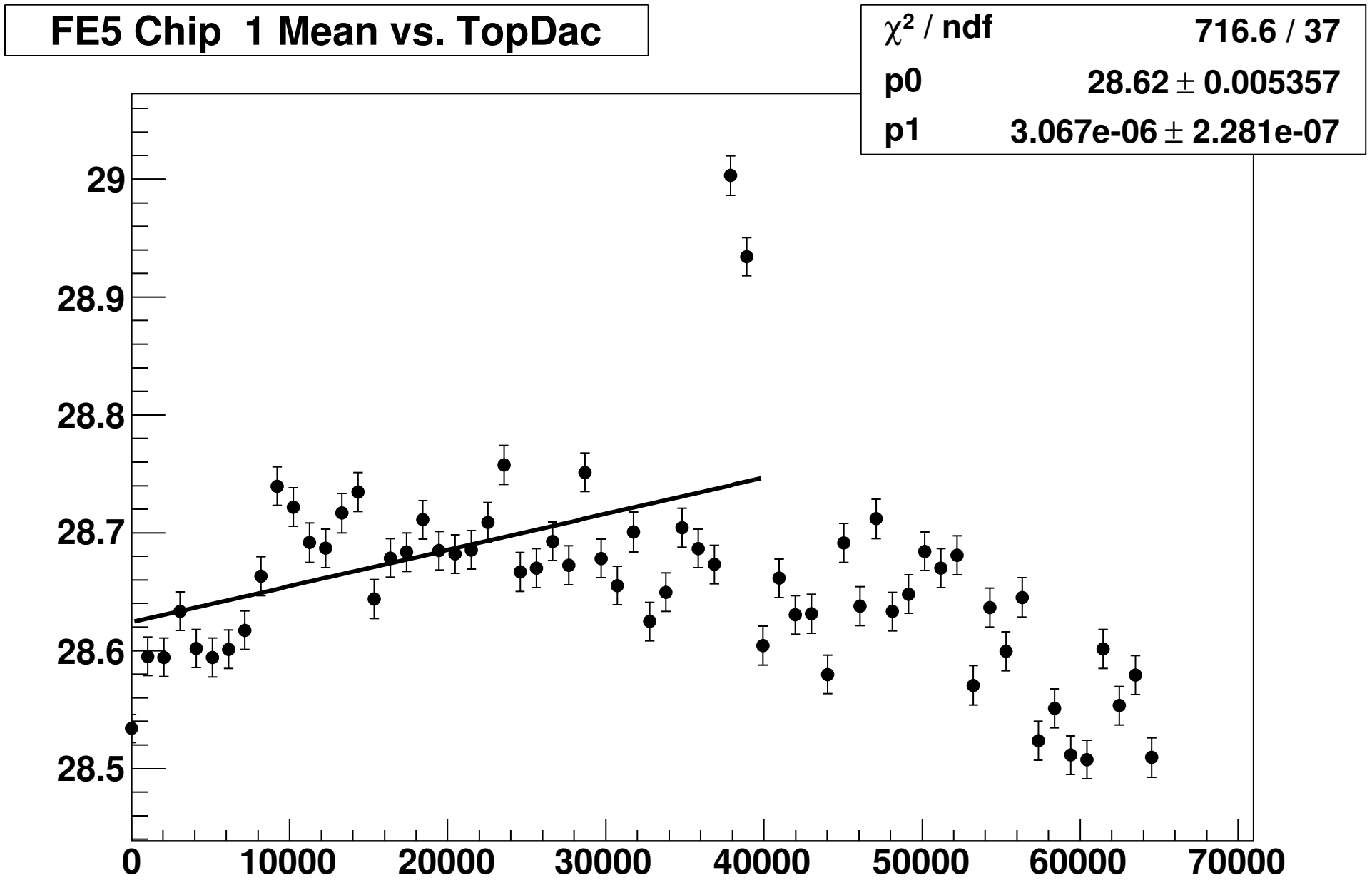

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 915.5 / 37
p0 1.426 ± 0.002923
p1 3.587e-05 ± 2.12e-07
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

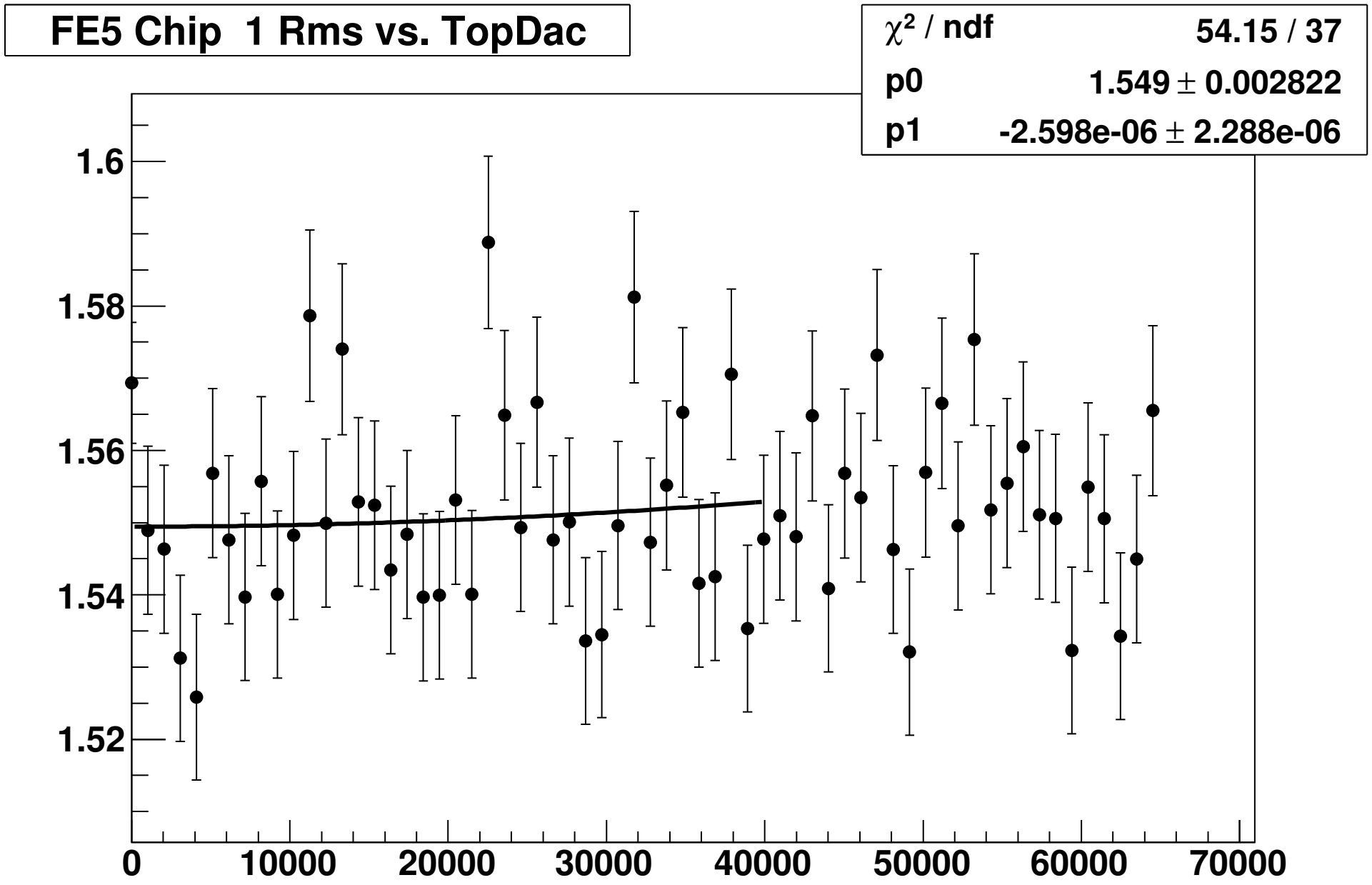

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 738.9 / 37
p0 33.42 ± 0.005445
p1 2.65e-06 ± 2.312e-07
33.8
33.7
33.6
33.5
33.4
33.3
0
10000
20000
30000
40000
50000
60000
70000

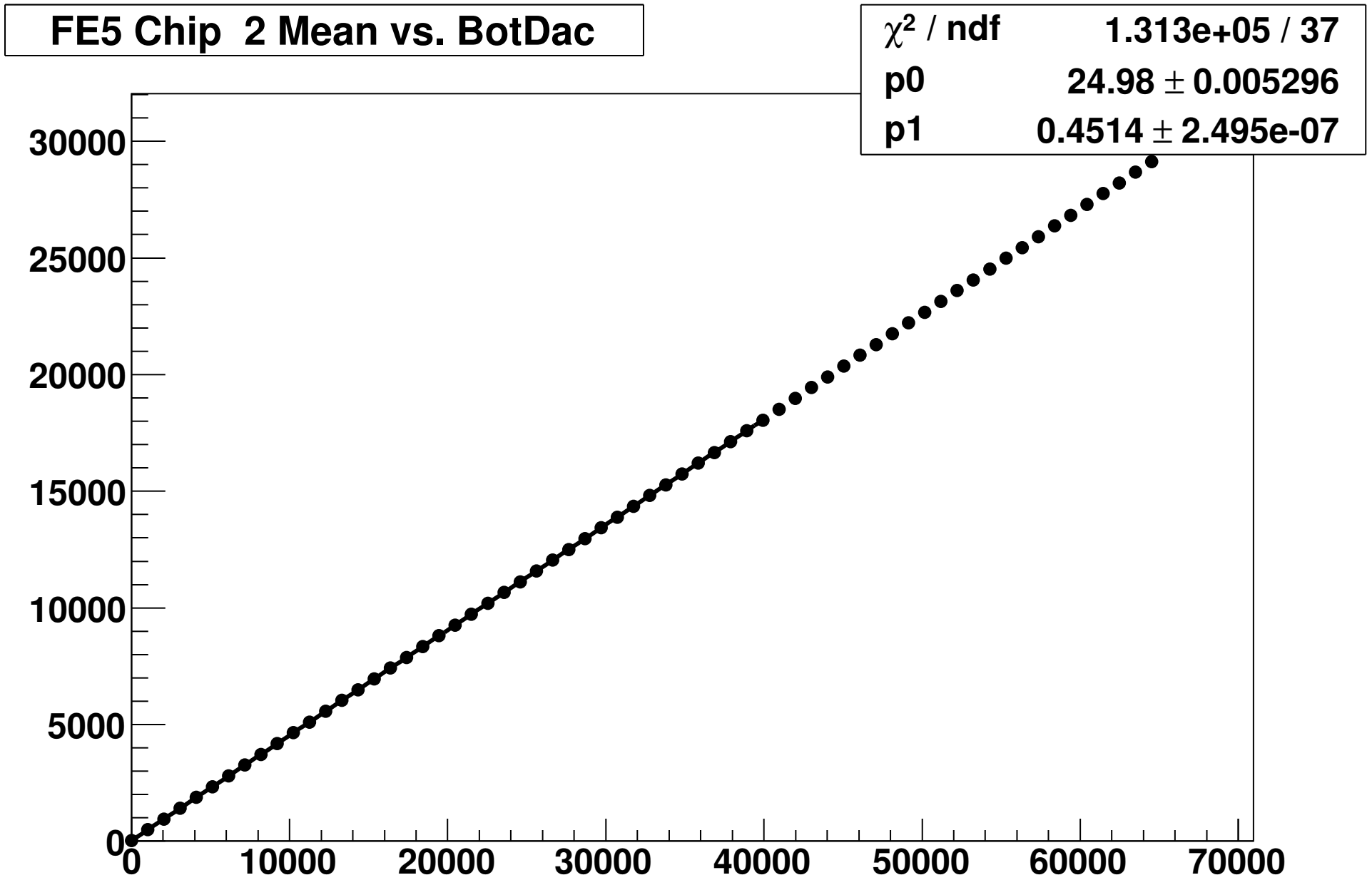

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 43.8 / 37
p0 1.571 ± 0.00189
p1 1.825e-14 ± 1.738e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000

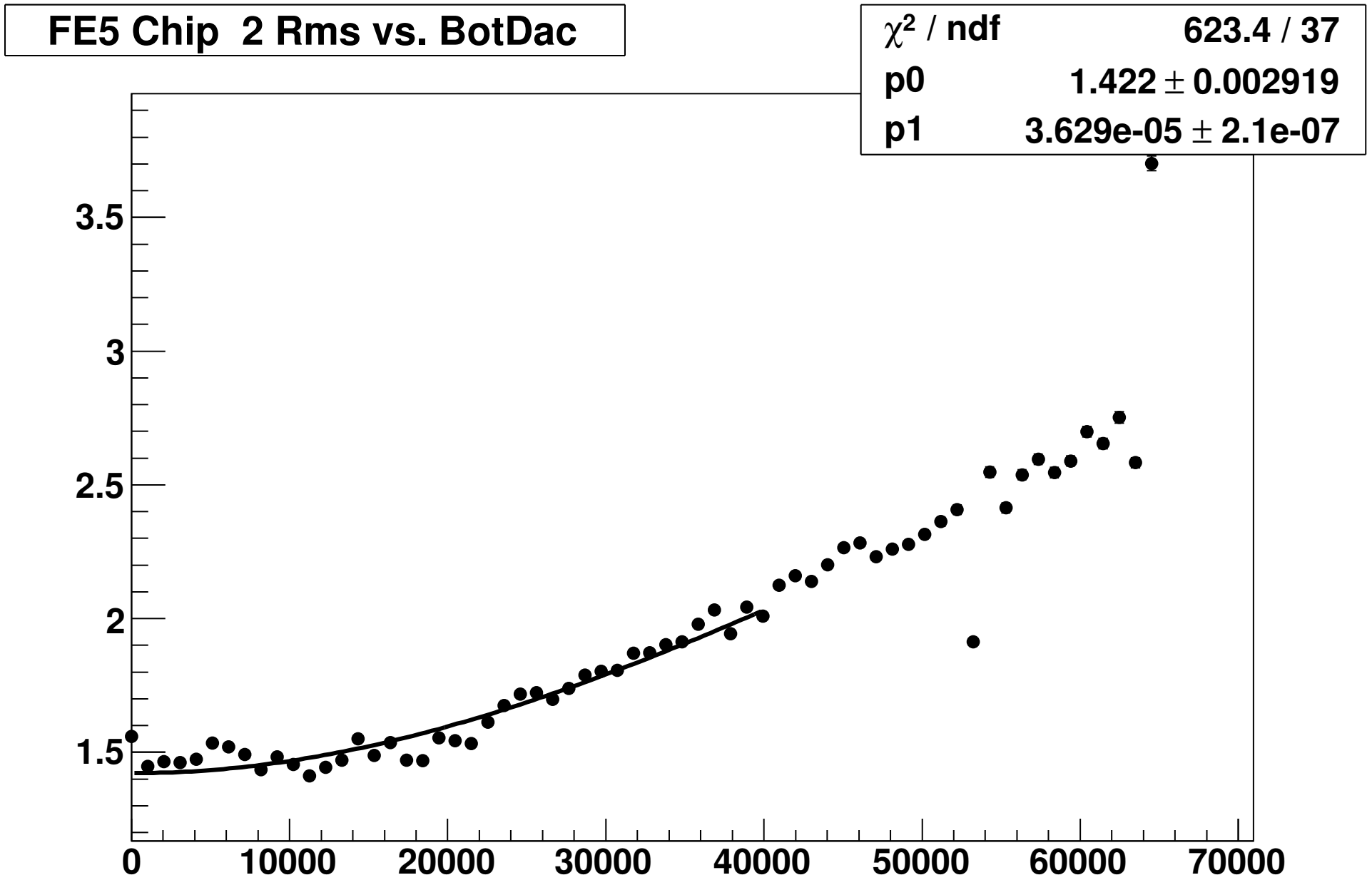

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.423e+05 / 37
p0 28.41 ± 0.005238
p1 0.4511 ± 2.471e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

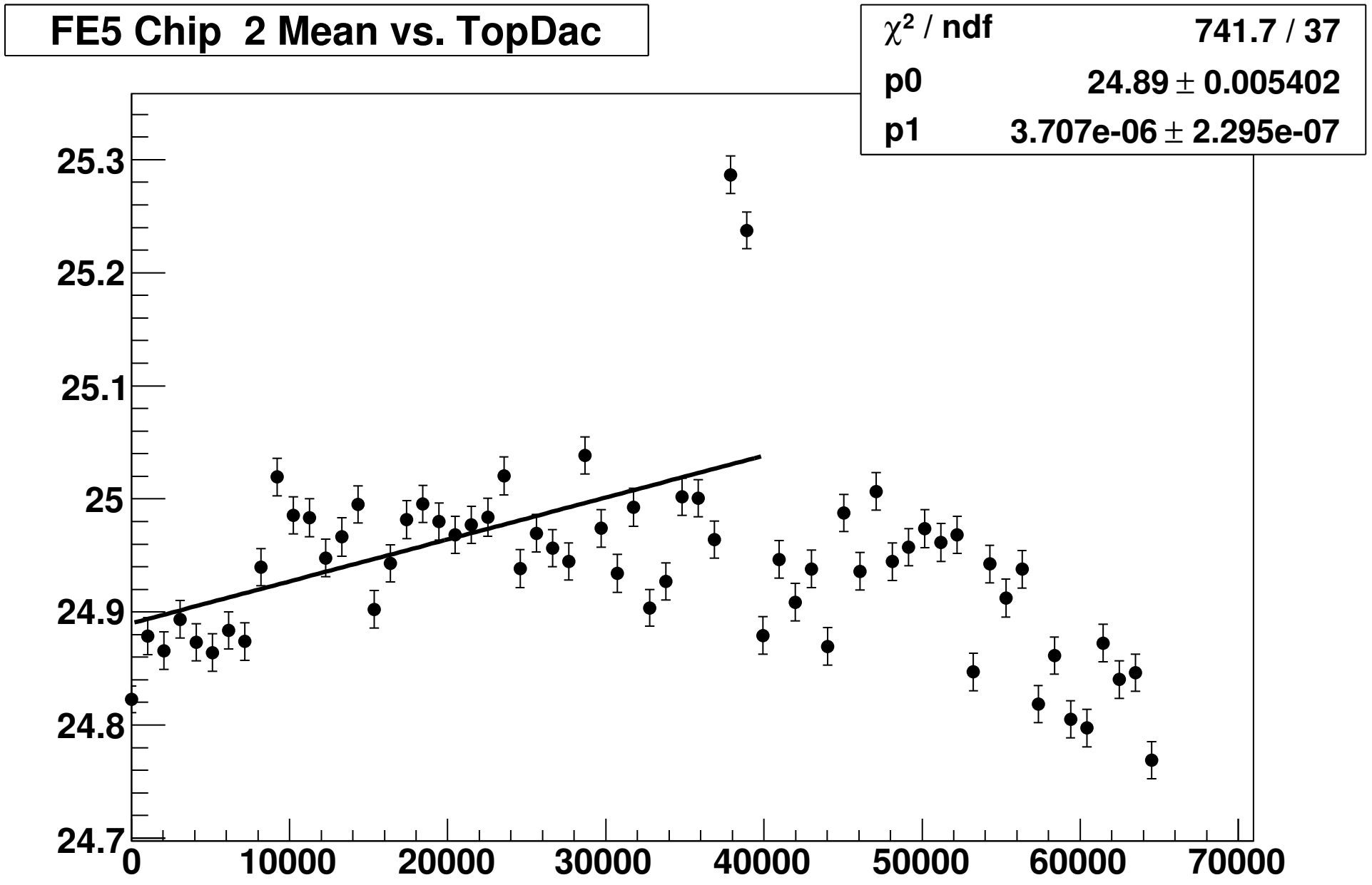

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 2.233e+04 / 37
p0 1.323 ± 0.002716
p1 3.401e-05 ± 1.869e-07
4
3.5
3
2.5
2
1.5
1
0.5
0
10000
20000
30000
40000
50000
60000
70000

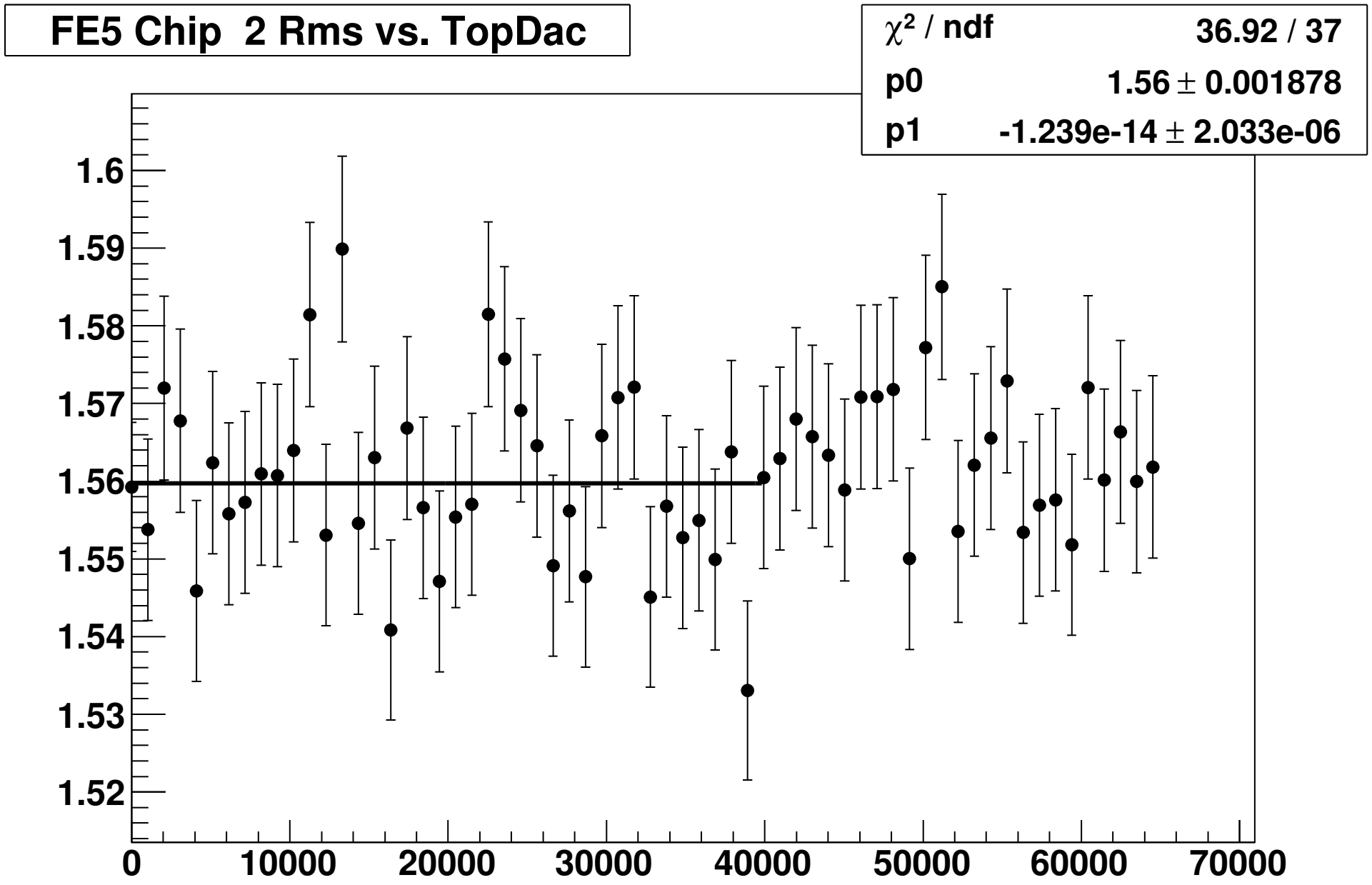

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 716.6 / 37
p0 28.62 ± 0.005357
p1 3.067e-06 ± 2.281e-07
29
28.9
28.8
28.7
28.6
28.5
0
10000
20000
30000
40000
50000
60000
70000

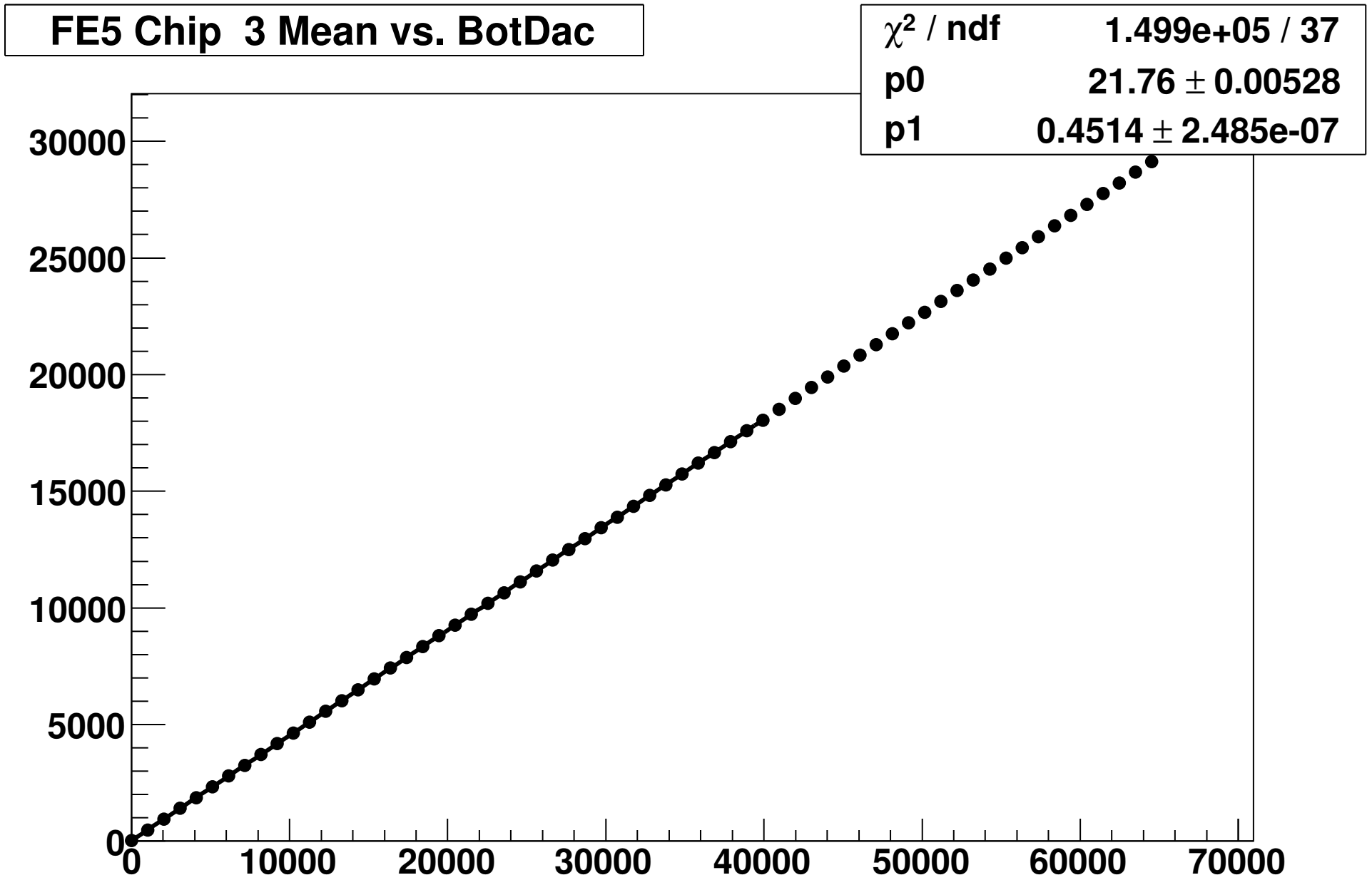

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 54.15 / 37
p0 1.549 ± 0.002822
p1 -2.598e-06 ± 2.288e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000

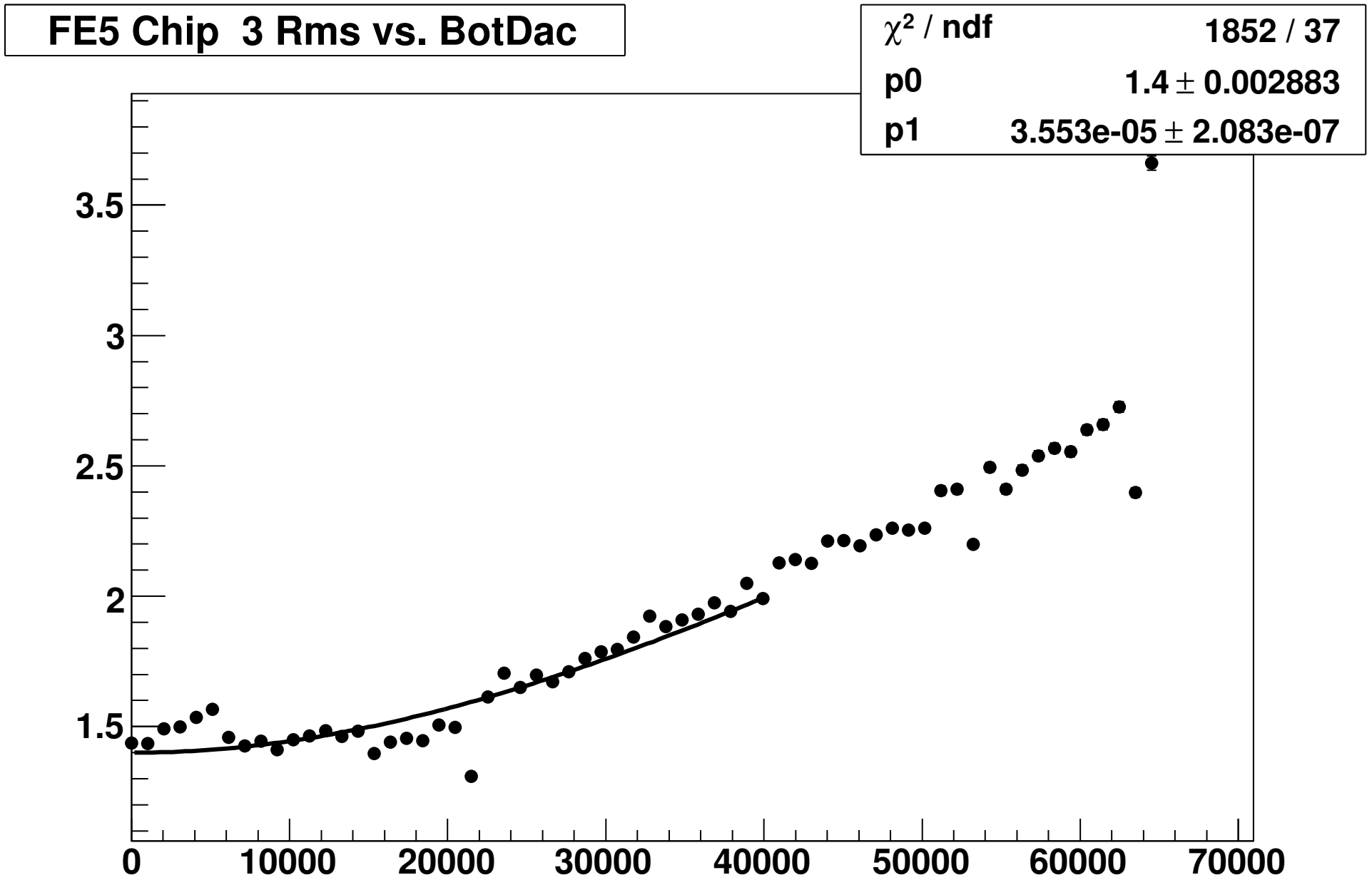

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.313e+05 / 37
p0 24.98 ± 0.005296
p1 0.4514 ± 2.495e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

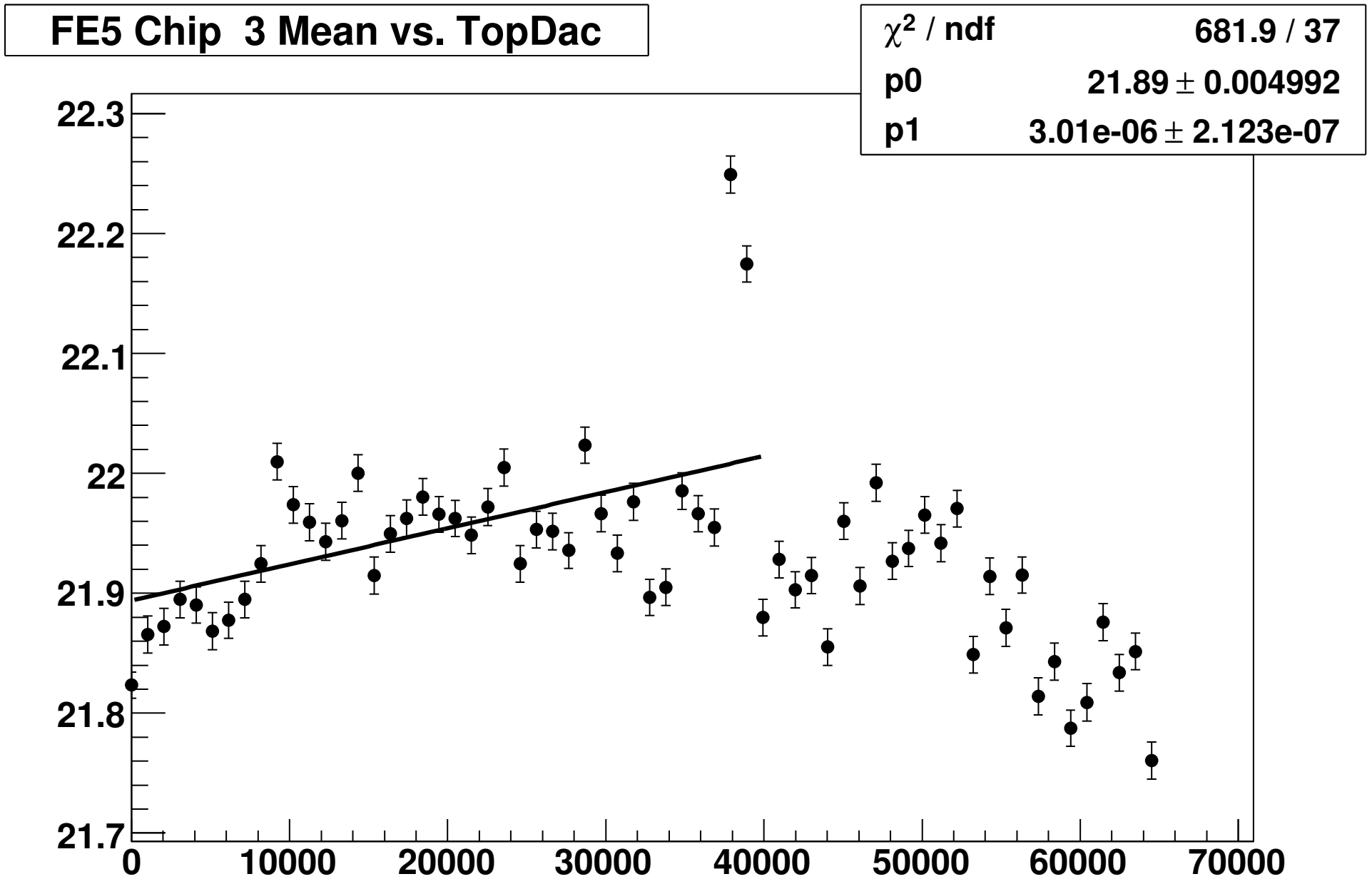

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 623.4 / 37
p0 1.422 ± 0.002919
p1 3.629e-05 ± 2.1e-07
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

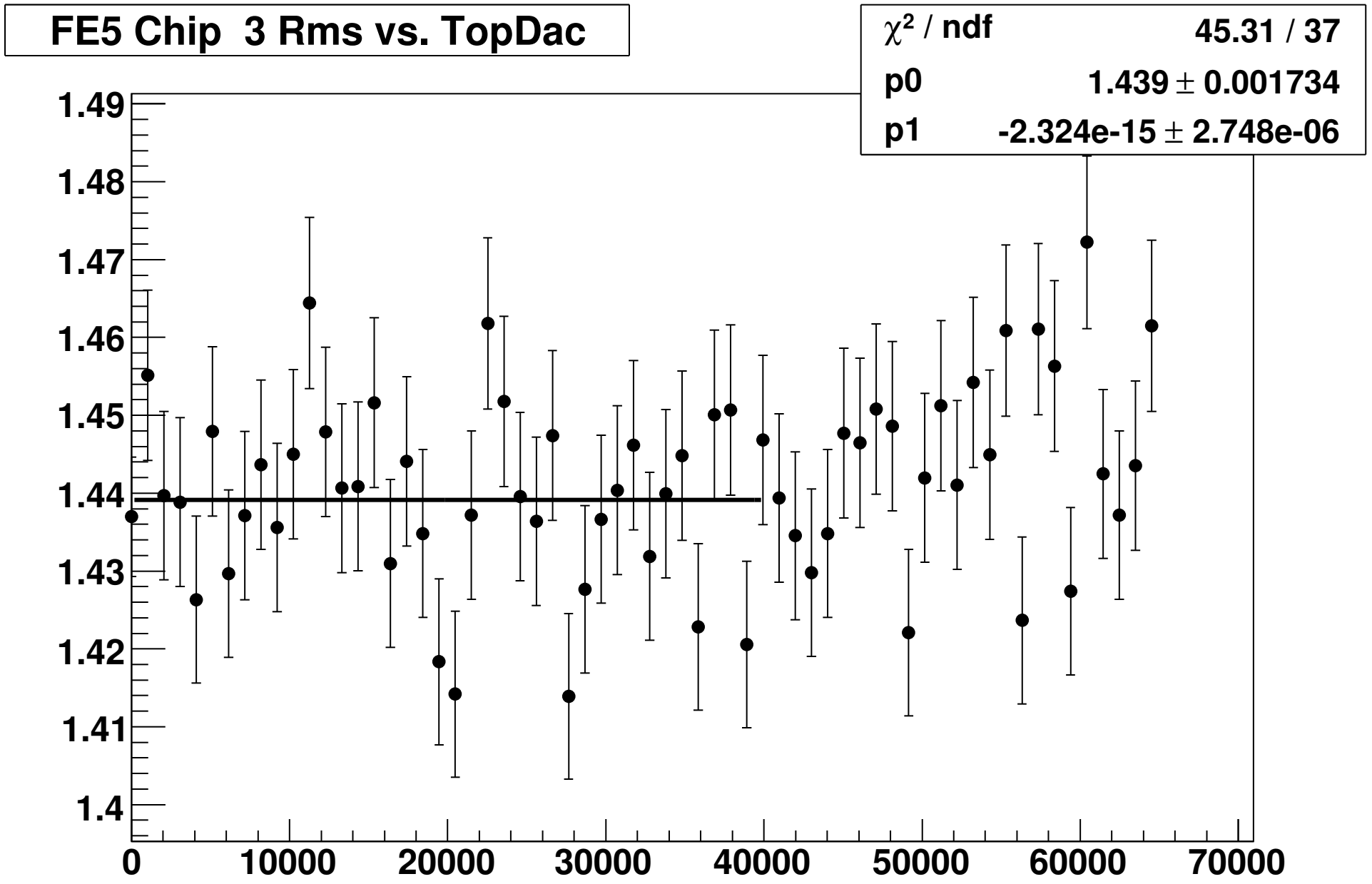

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 741.7 / 37
p0 24.89 ± 0.005402
p1 3.707e-06 ± 2.295e-07
25.3
25.2
25.1
25
24.9
24.8
24.7
0
10000
20000
30000
40000
50000
60000
70000

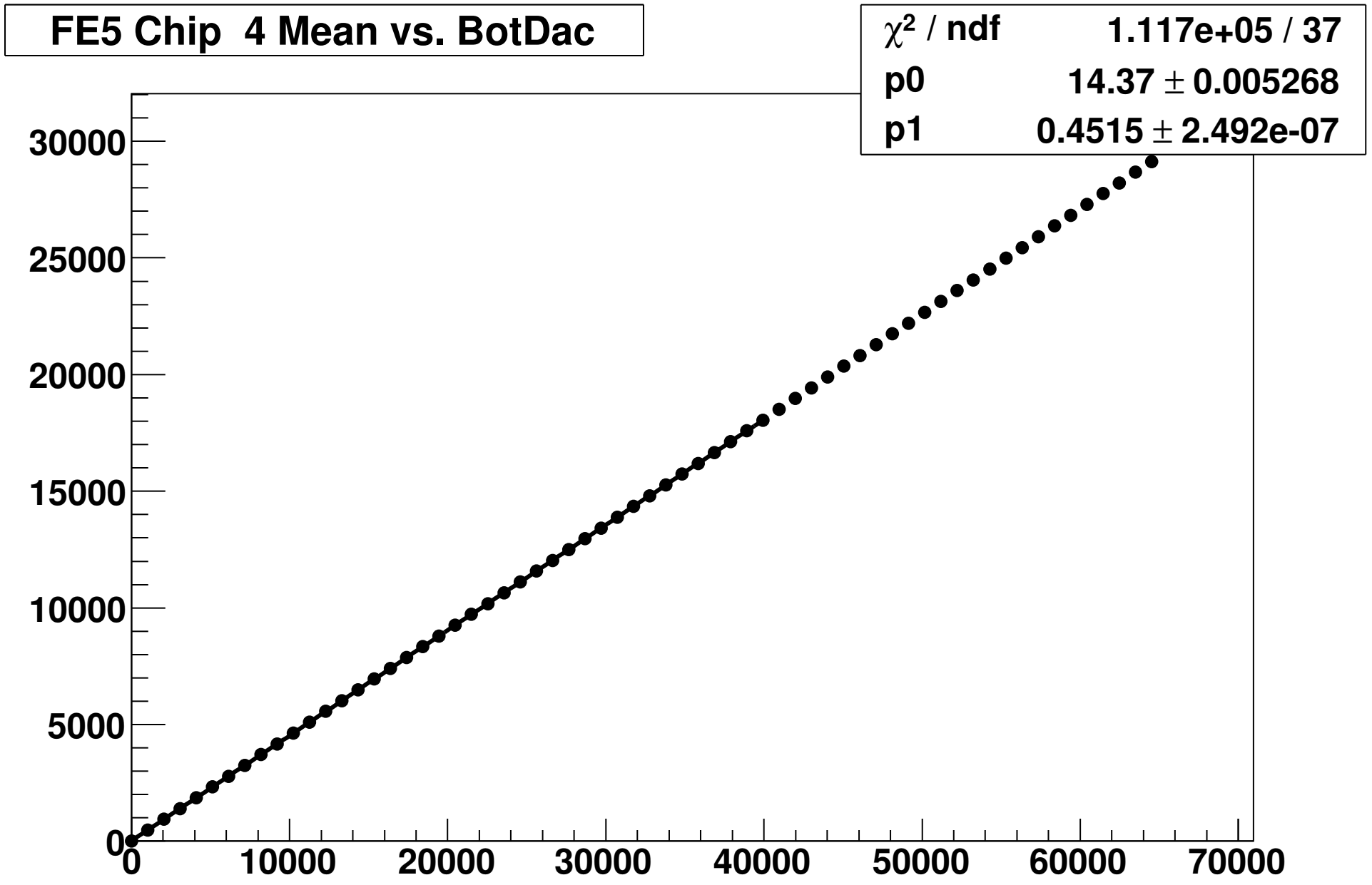

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 36.92 / 37
p0 1.56 ± 0.001878
p1 -1.239e-14 ± 2.033e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000

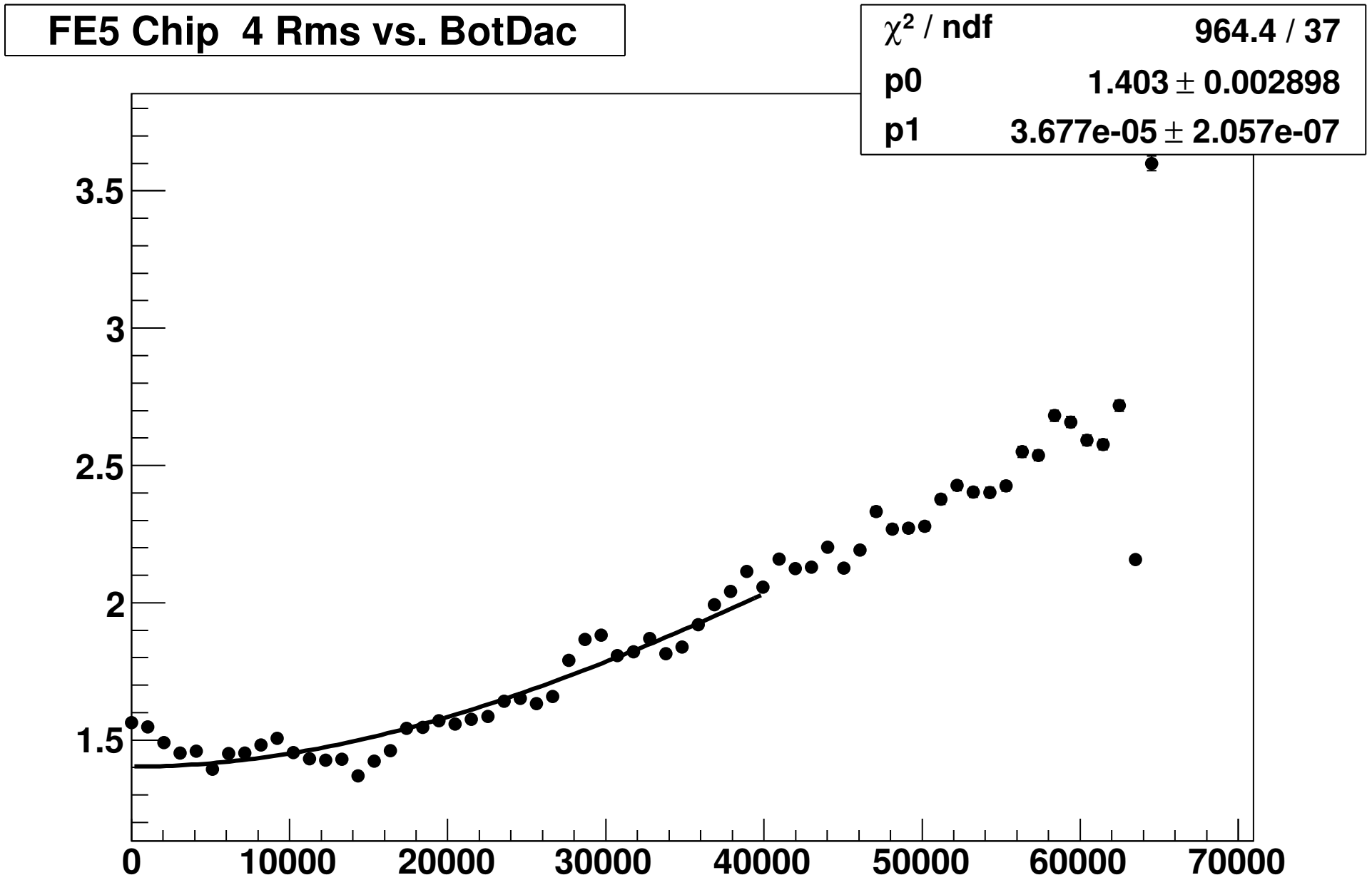

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.499e+05 / 37
p0 21.76 ± 0.00528
p1 0.4514 ± 2.485e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

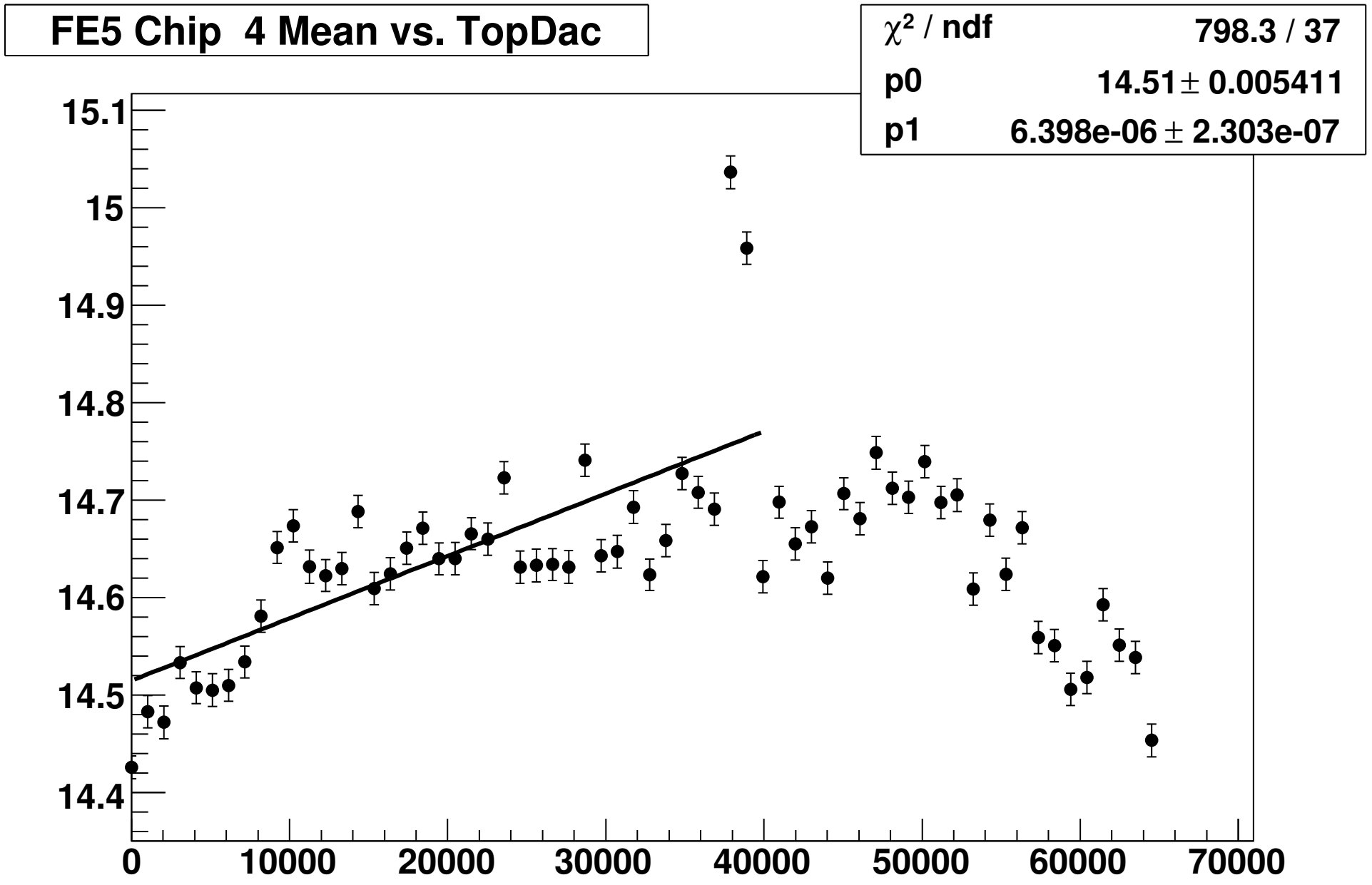

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1852 / 37
p0 1.4 ± 0.002883
p1 3.553e-05 ± 2.083e-07
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

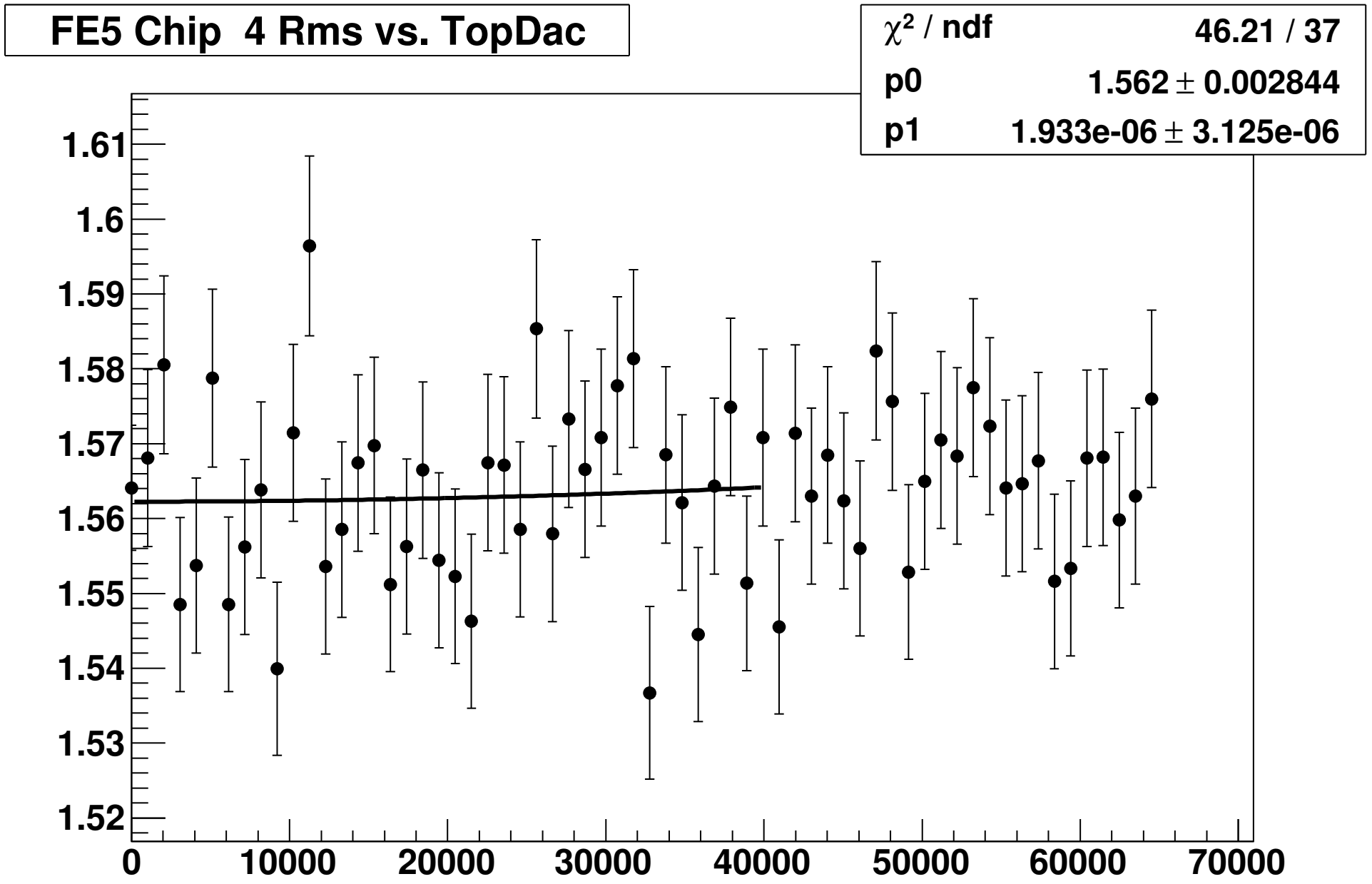

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 681.9 / 37
p0 21.89 ± 0.004992
p1 3.01e-06 ± 2.123e-07
22.3
22.2
22.1
22
21.9
21.8
21.7
0
10000
20000
30000
40000
50000
60000
70000

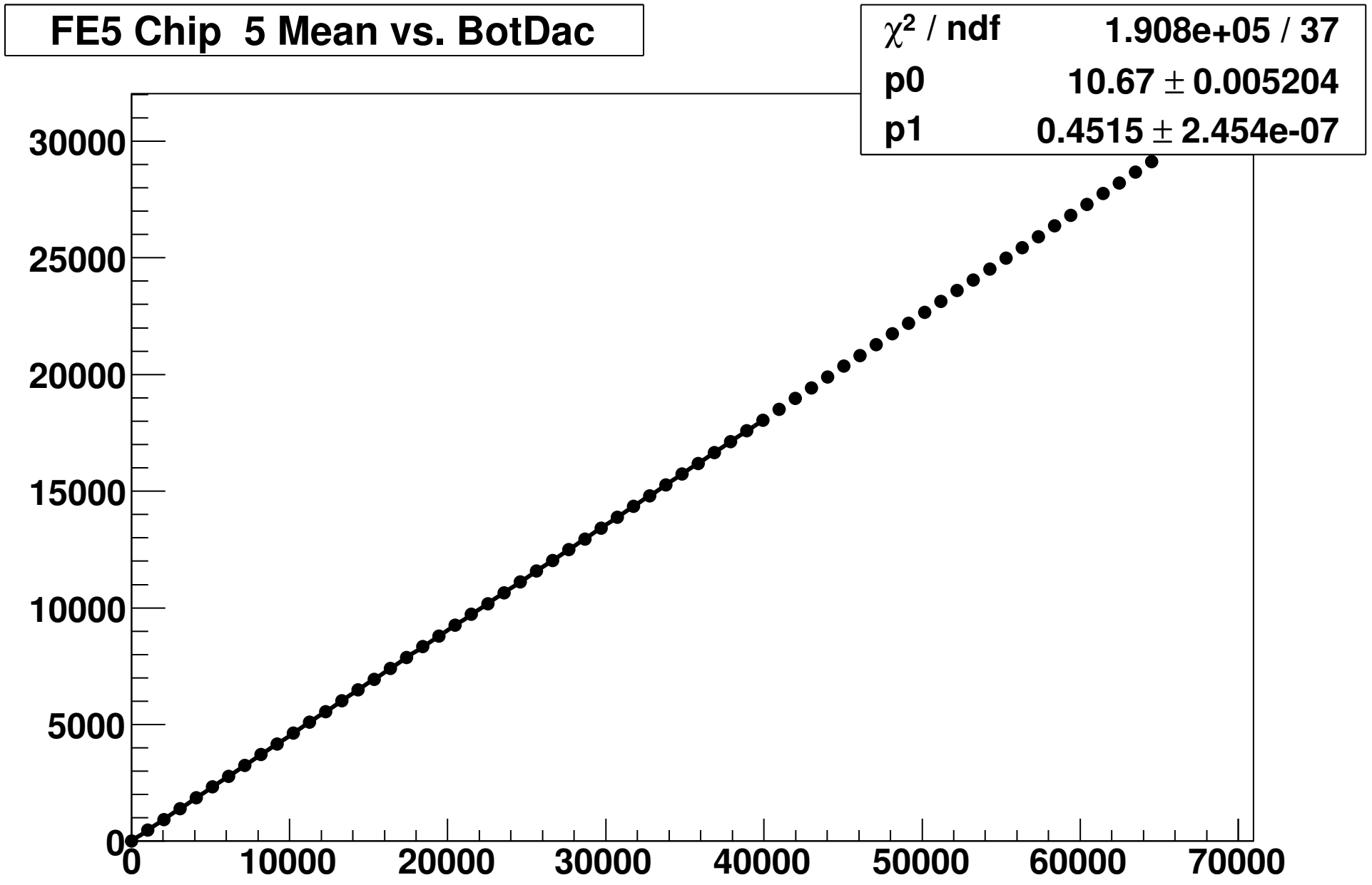

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 45.31 / 37
p0 1.439 ± 0.001734
p1 -2.324e-15 ± 2.748e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

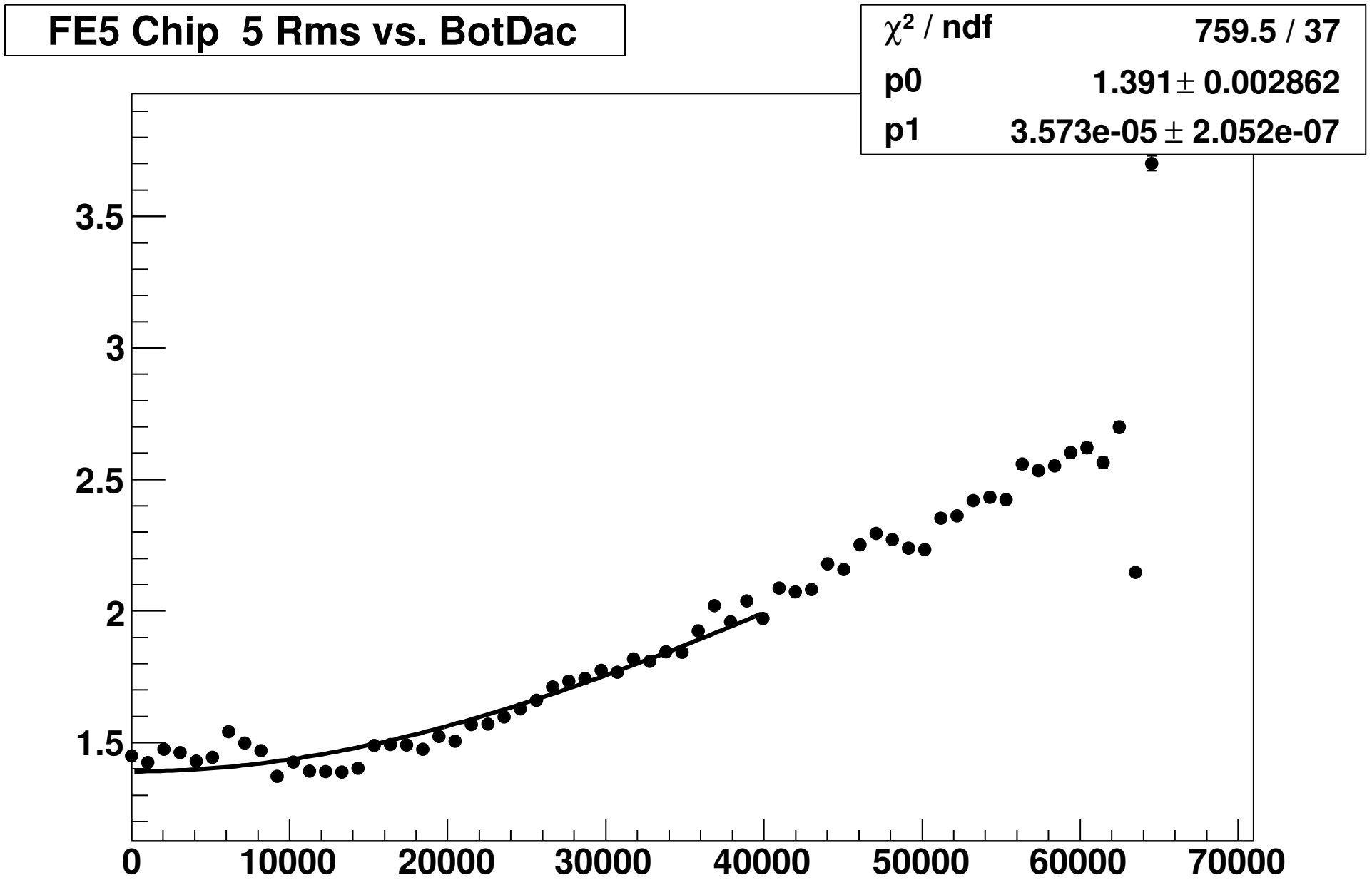

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.117e+05 / 37
p0 14.37 ± 0.005268
p1 0.4515 ± 2.492e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 964.4 / 37
p0 1.403 ± 0.002898
p1 3.677e-05 ± 2.057e-07
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 798.3 / 37
p0 14.51 ± 0.005411
p1 6.398e-06 ± 2.303e-07
15.1
15
14.9
14.8
14.7
14.6
14.5
14.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 46.21 / 37
p0 1.562 ± 0.002844
p1 1.933e-06 ± 3.125e-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


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 1.908e+05 / 37
p0 10.67 ± 0.005204
p1 0.4515 ± 2.454e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 759.5 / 37
p0 1.391 ± 0.002862
p1 3.573e-05 ± 2.052e-07
3.5
3
2.5
2
1.5
0
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20000
30000
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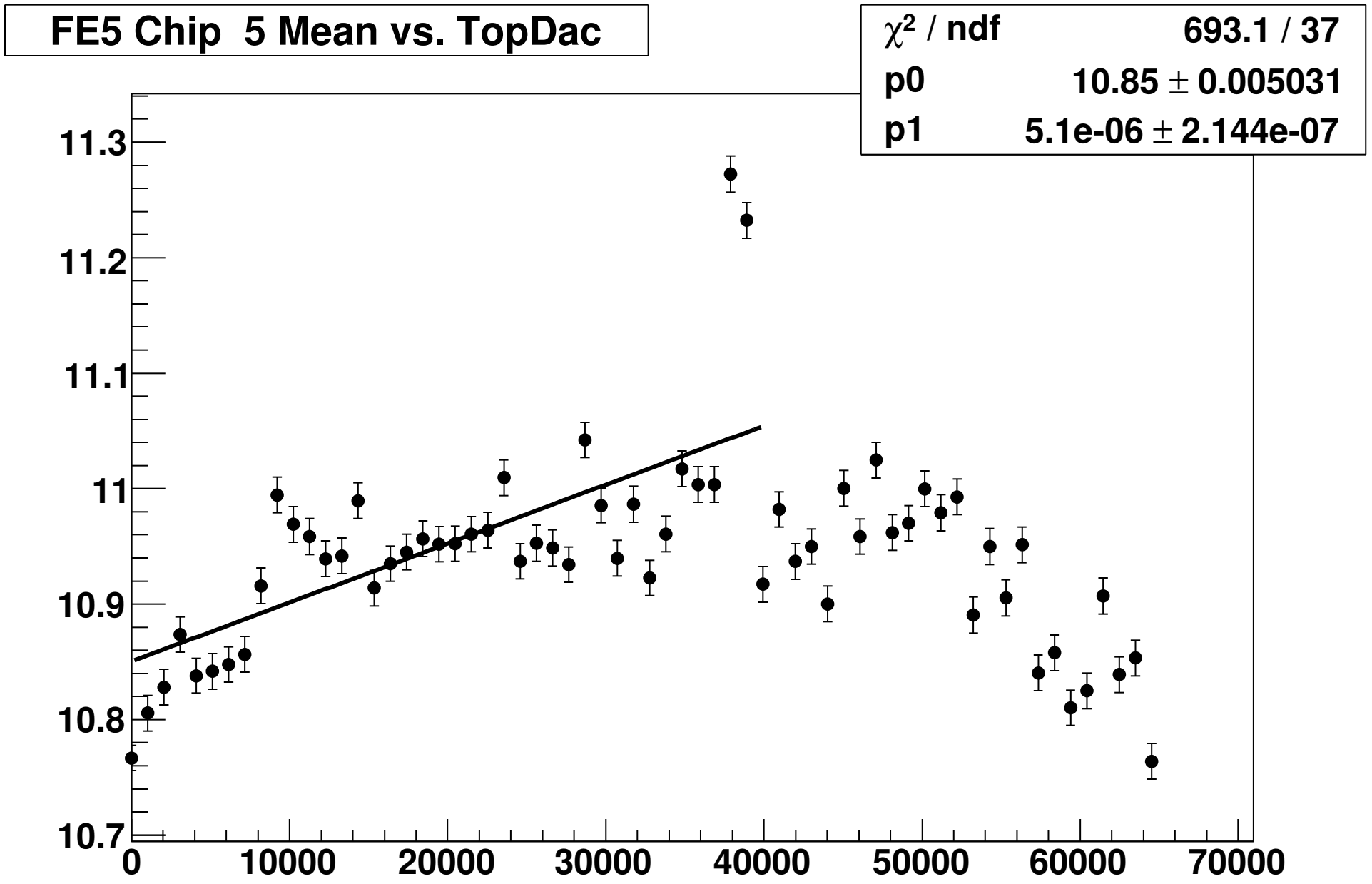
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 693.1 / 37
p0 10.85 ± 0.005031
p1 5.1e-06 ± 2.144e-07
11.3
11.2
11.1
11
10.9
10.8
10.7
0
10000
20000
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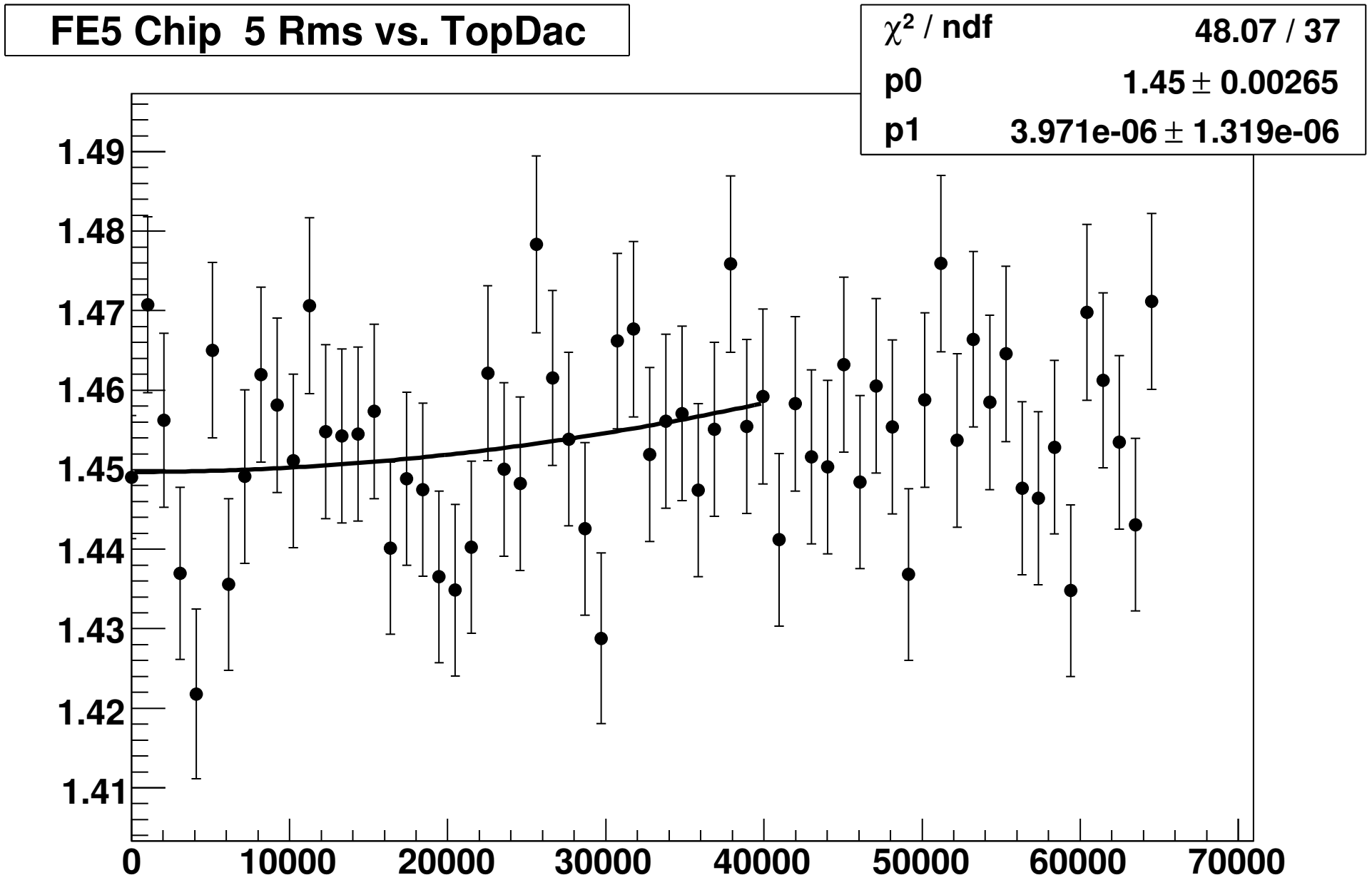
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 48.07 / 37
p0 1.45 ± 0.00265
p1 3.971e-06 ± 1.319e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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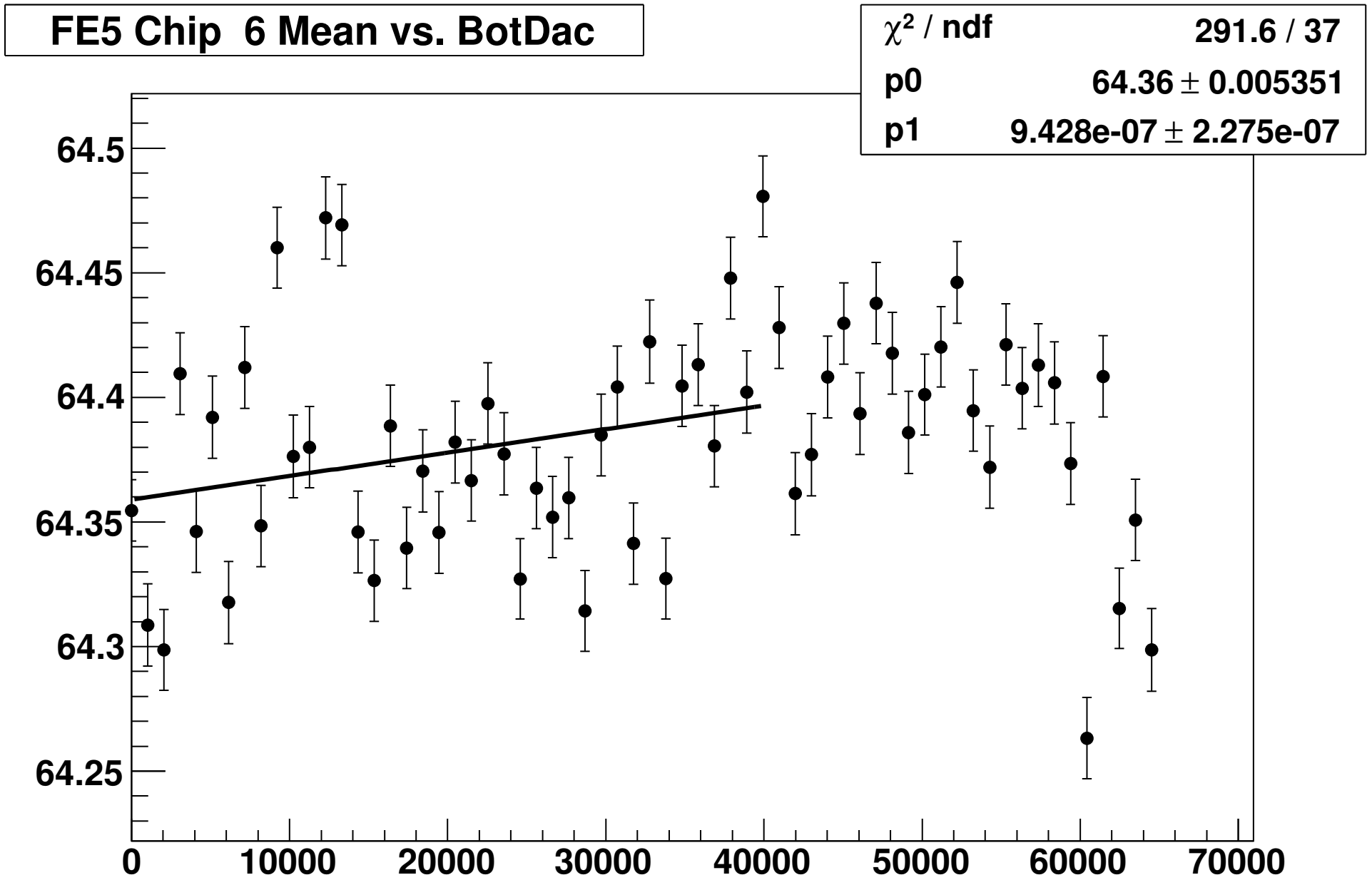
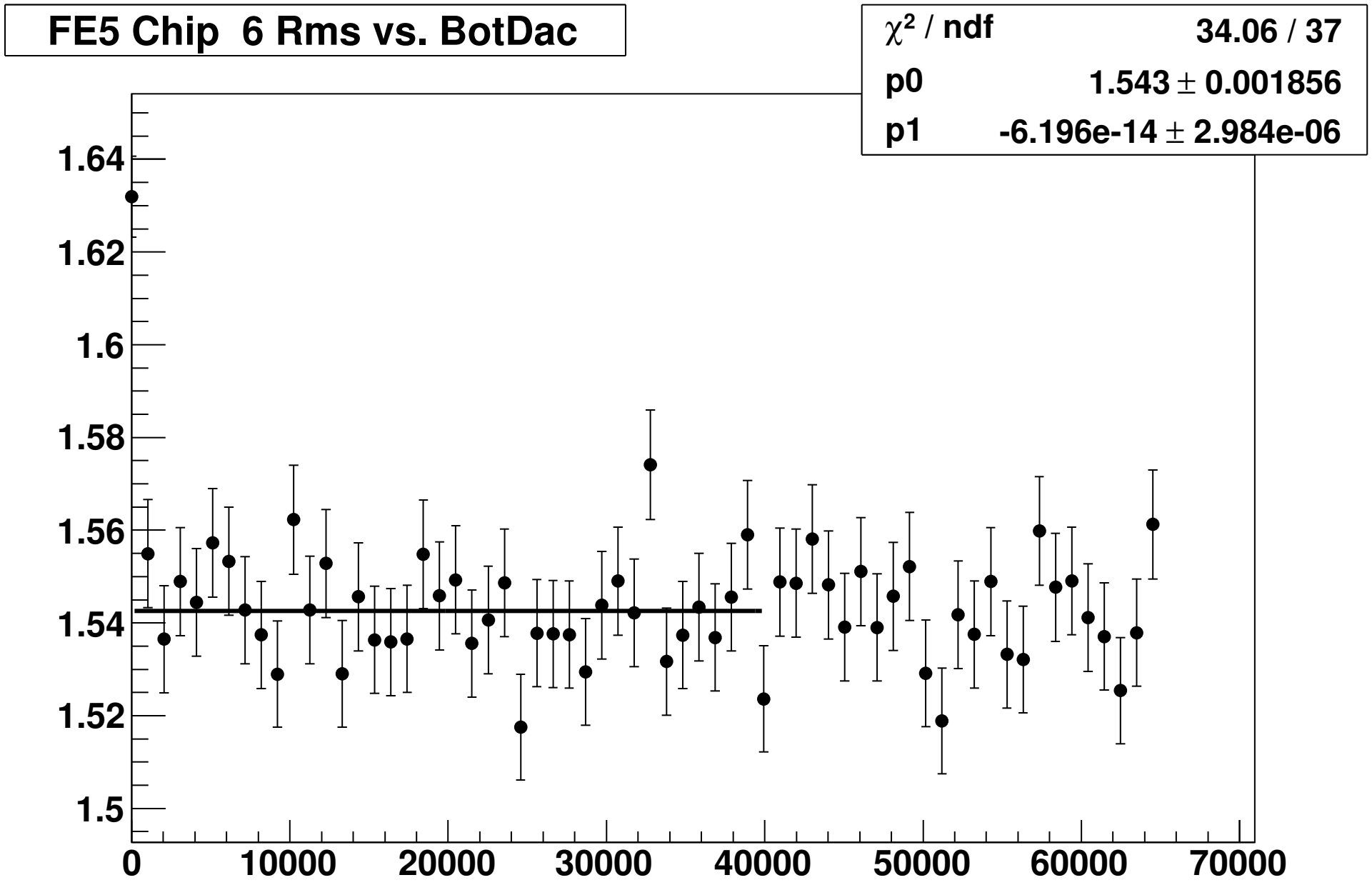

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 291.6 / 37
p0 64.36 ± 0.005351
p1 9.428e-07 ± 2.275e-07
64.5
64.45
64.4
64.35
64.3
64.25
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 34.06 / 37
p0 1.543 ± 0.001856
p1 -6.196e-14 ± 2.984e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
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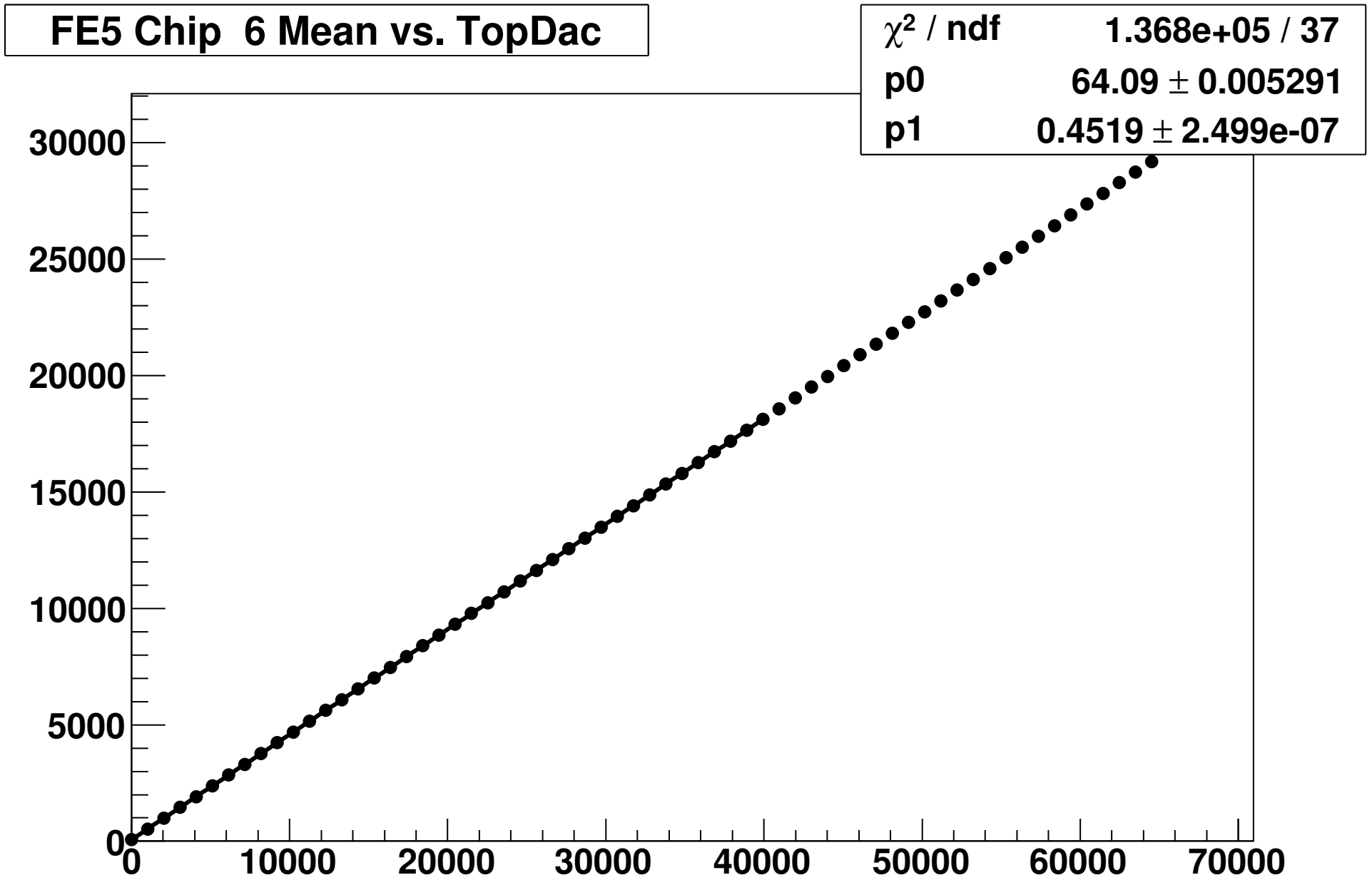
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.368e+05 / 37
p0 64.09 ± 0.005291
p1 0.4519 ± 2.499e-07
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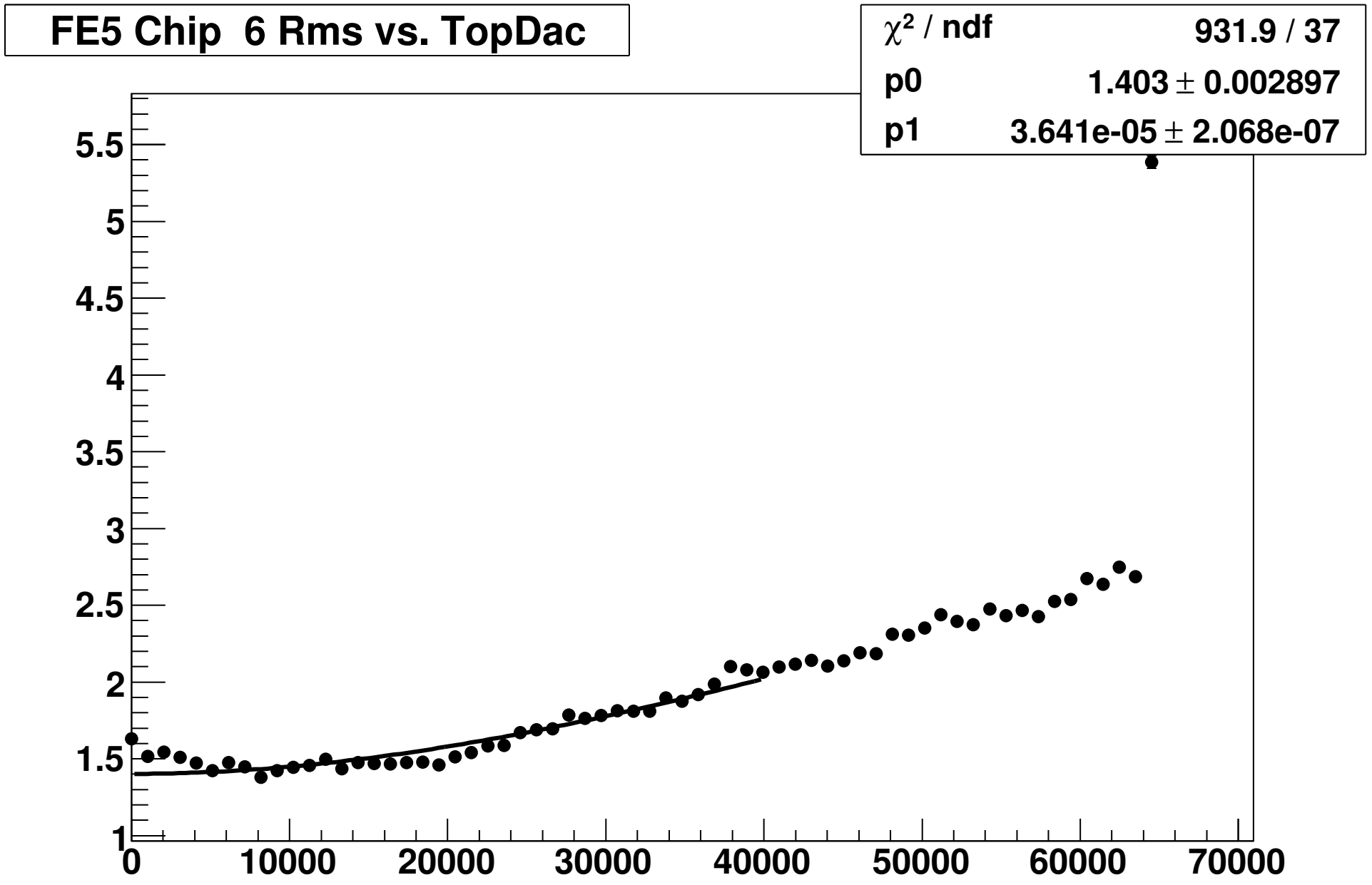
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 931.9 / 37
p0 1.403 ± 0.002897
p1 3.641e-05 ± 2.068e-07
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0
10000
20000
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40000
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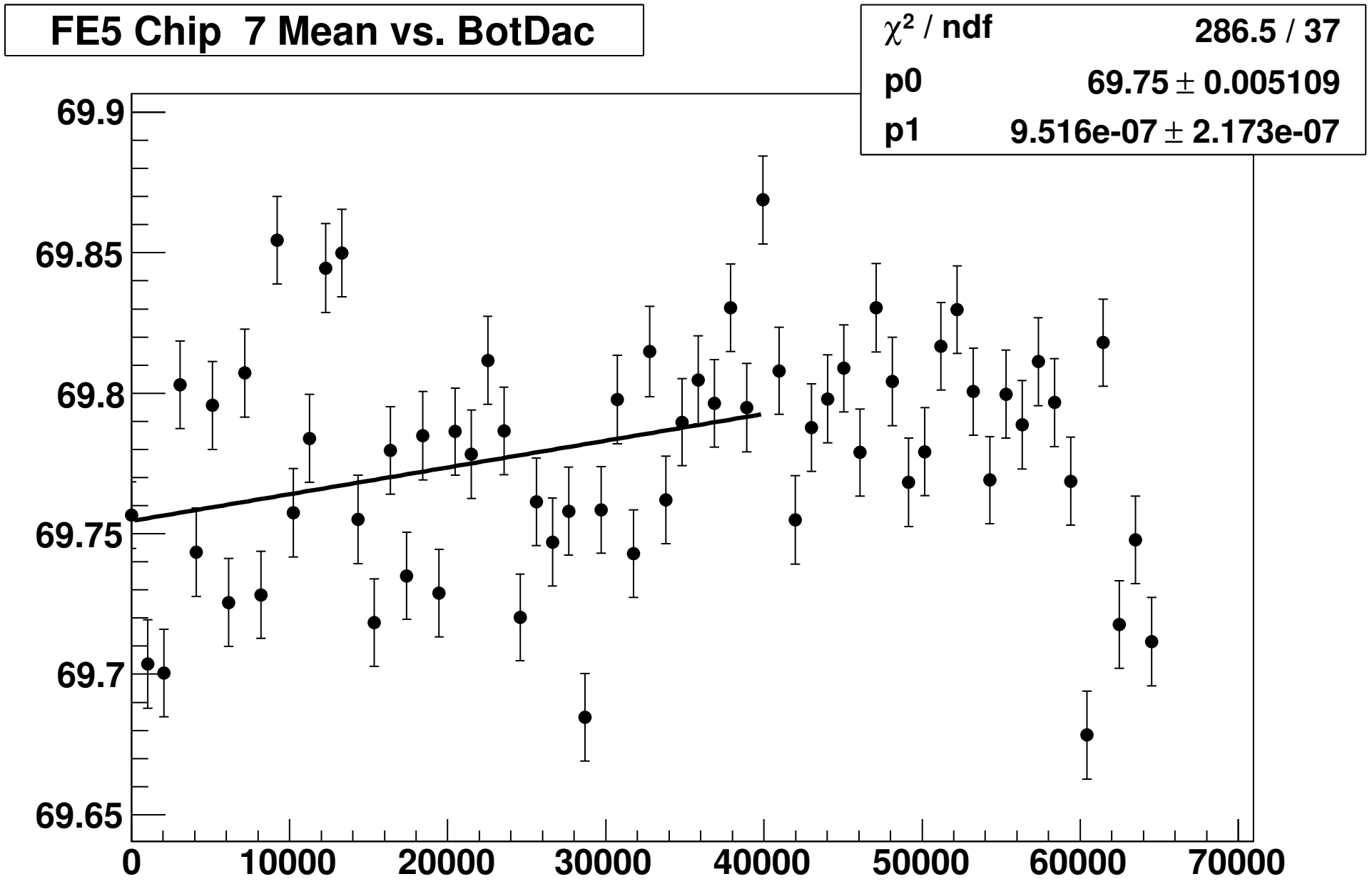
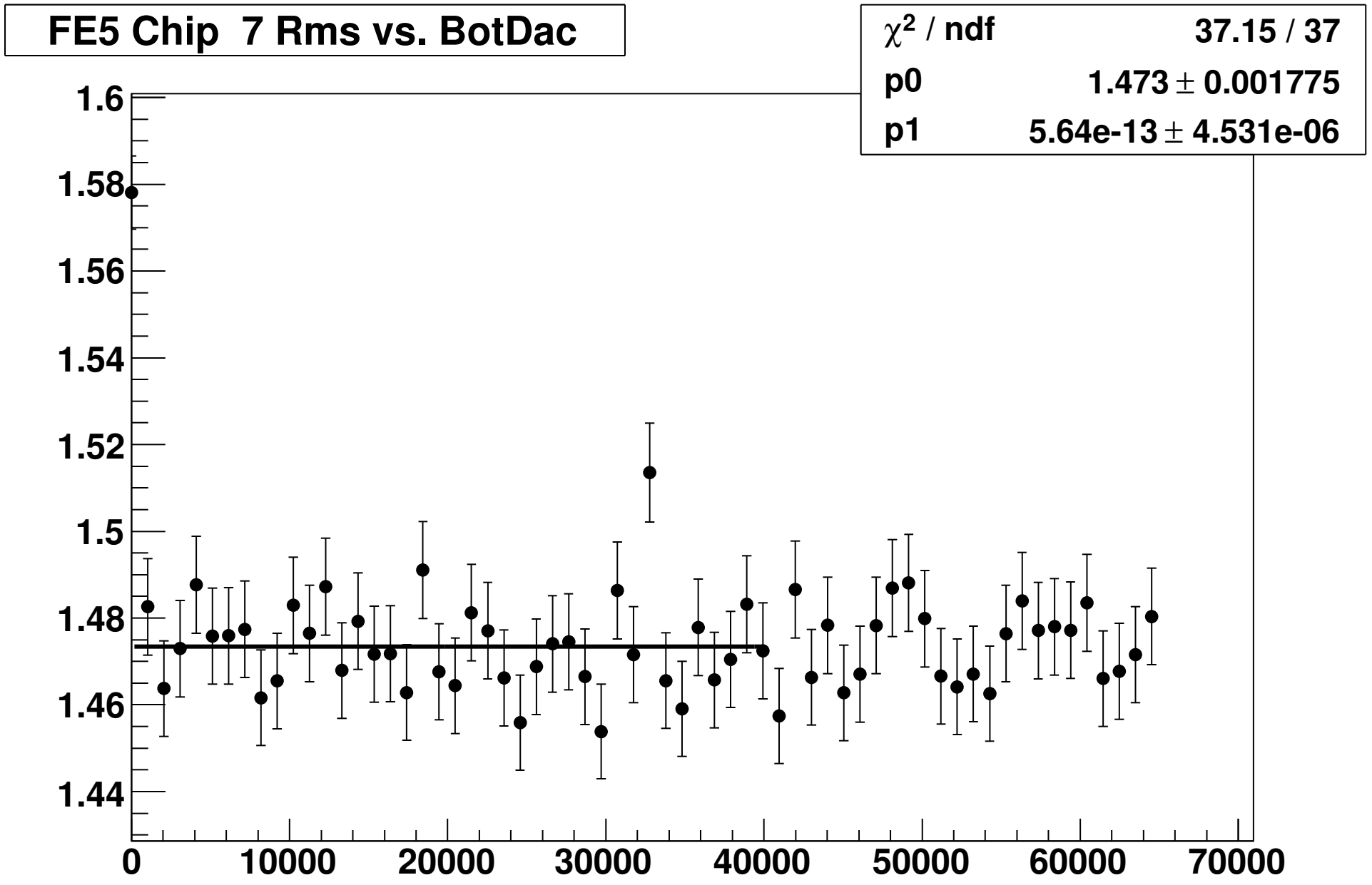
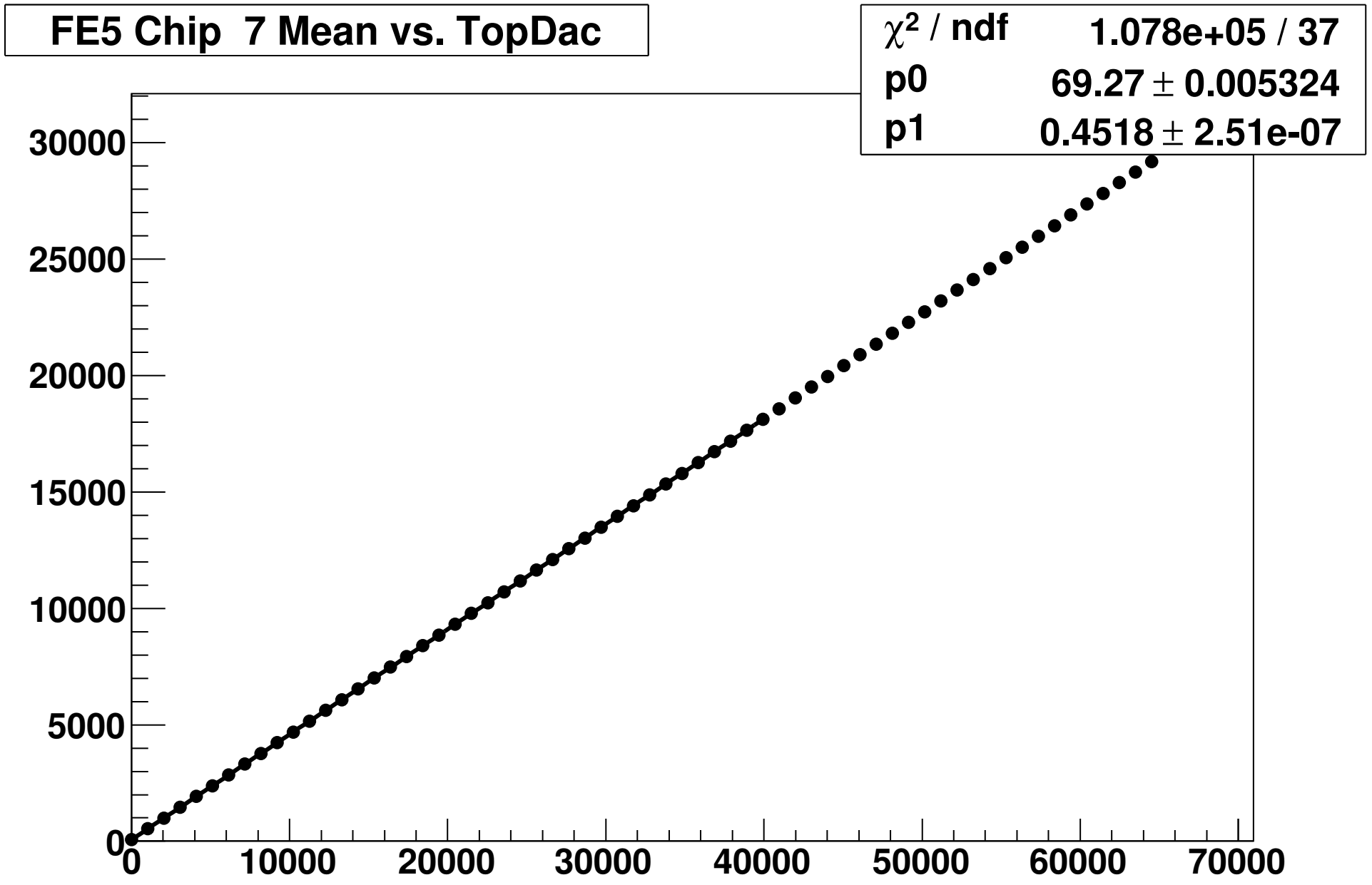

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 286.5 / 37
p0 69.75 ± 0.005109
p1 9.516e-07 ± 2.173e-07
69.9
69.85
69.8
69.75
69.7
69.65
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 37.15 / 37
p0 1.473 ± 0.001775
p1 5.64e-13 ± 4.531e-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
70000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.078e+05 / 37
p0 69.27 ± 0.005324
p1 0.4518 ± 2.51e-07
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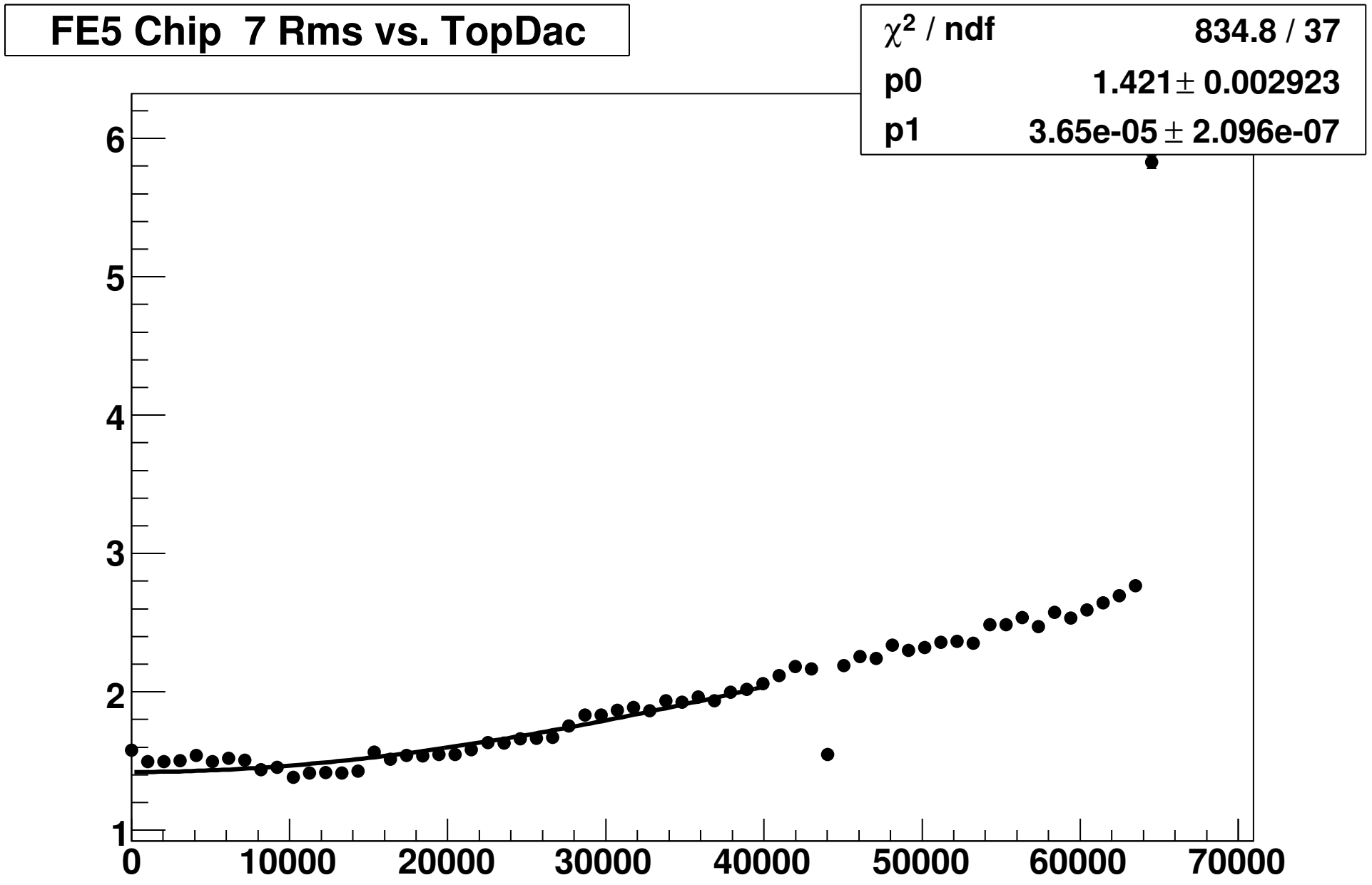
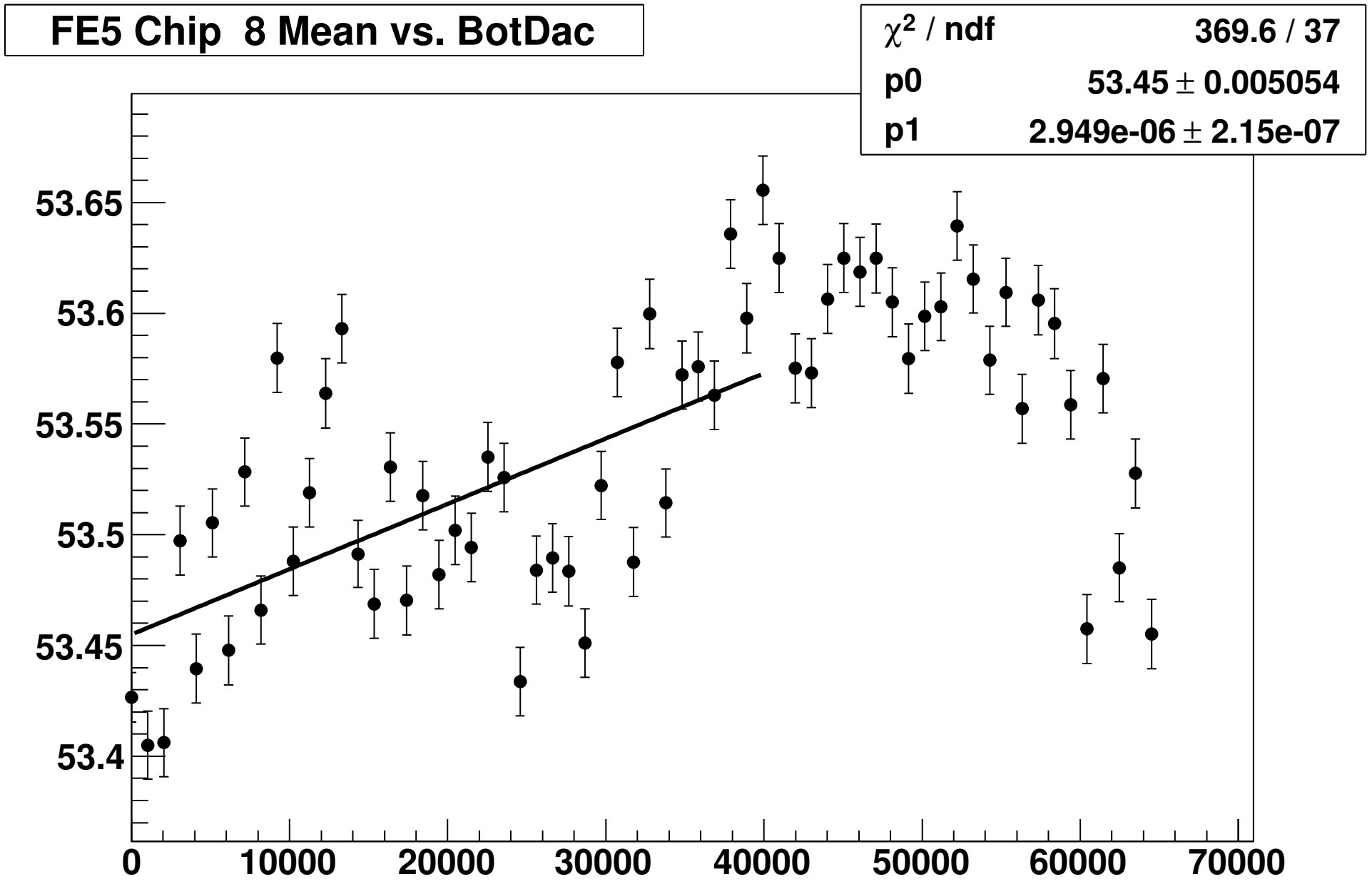
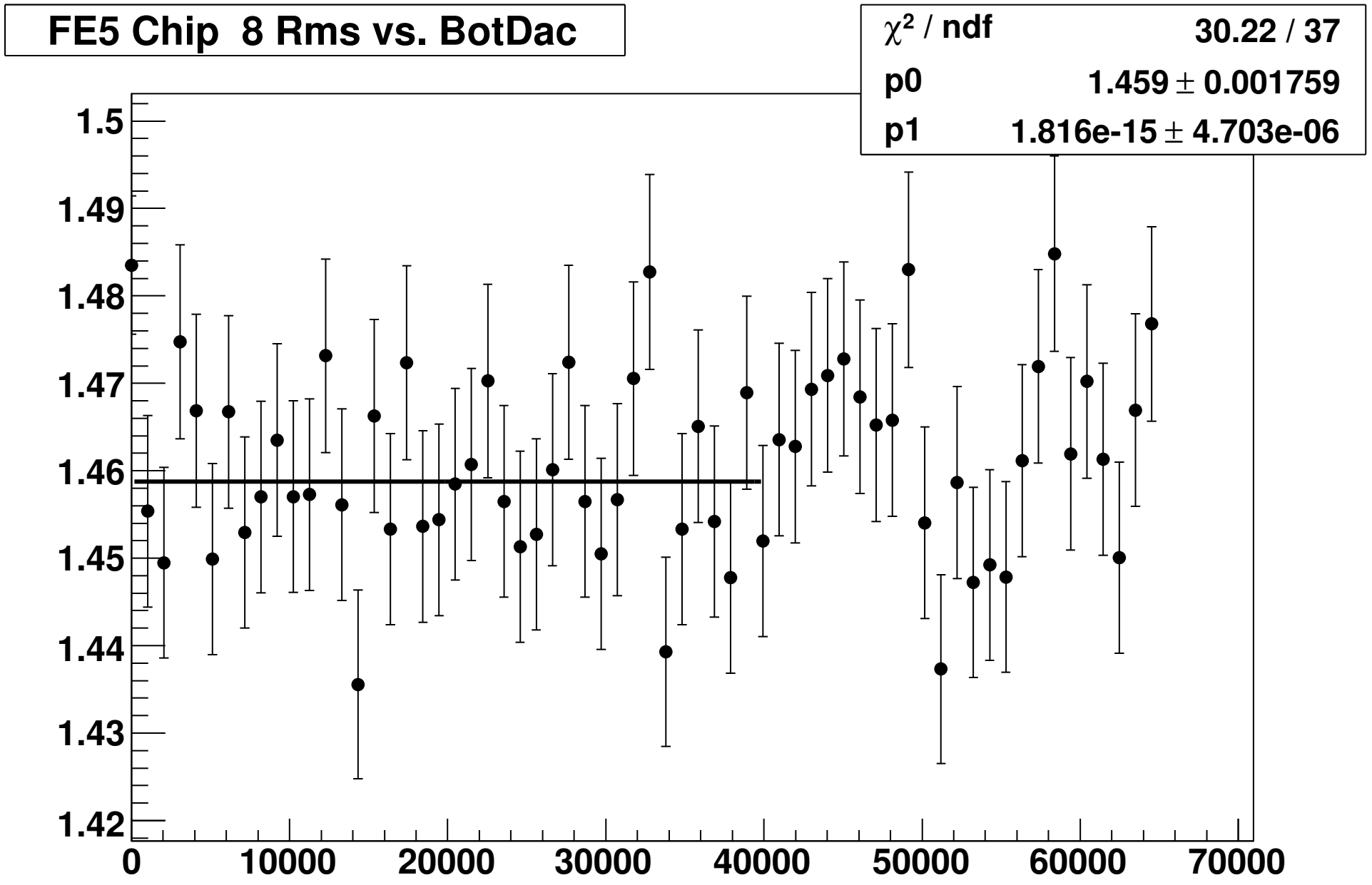
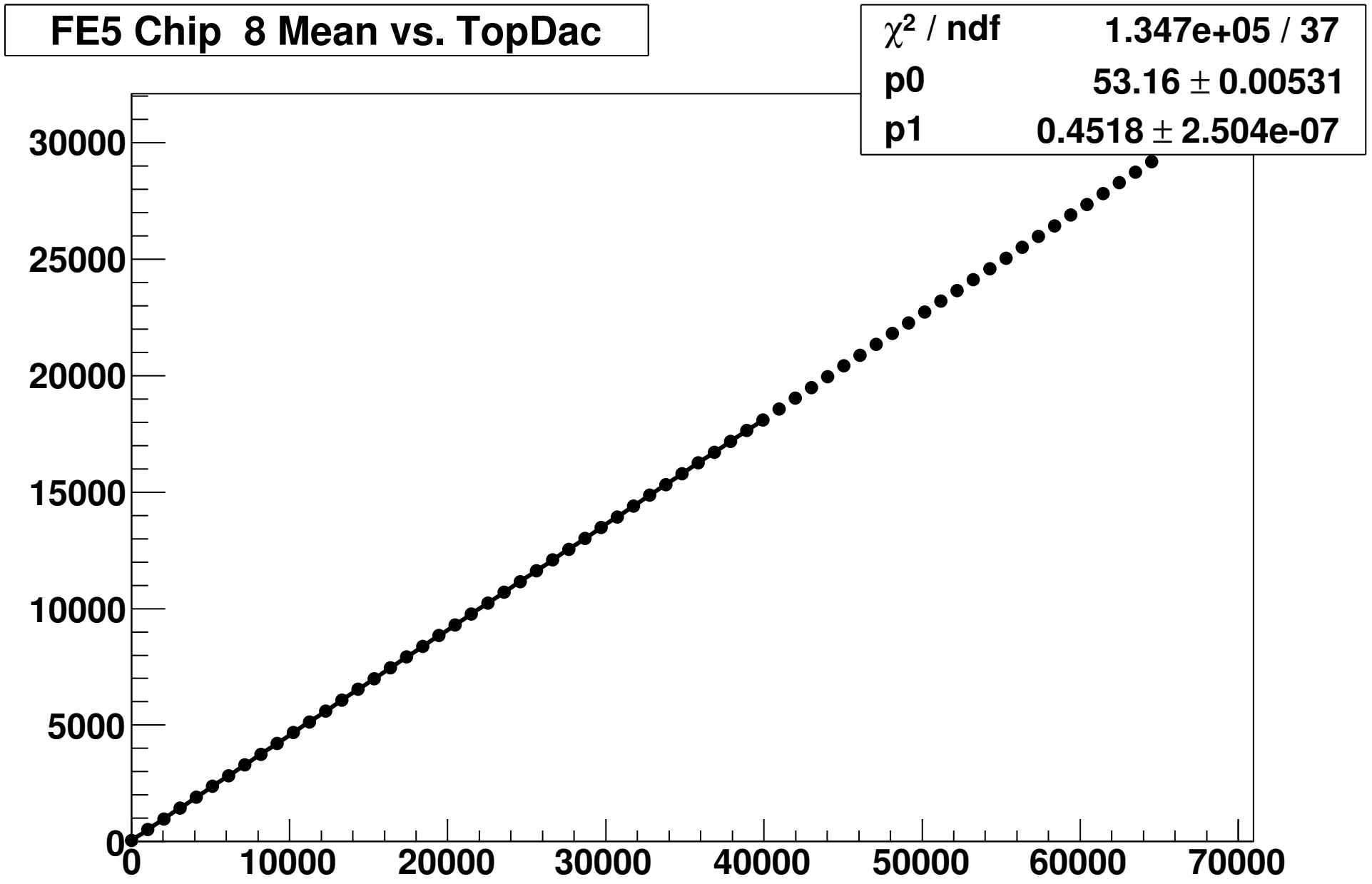
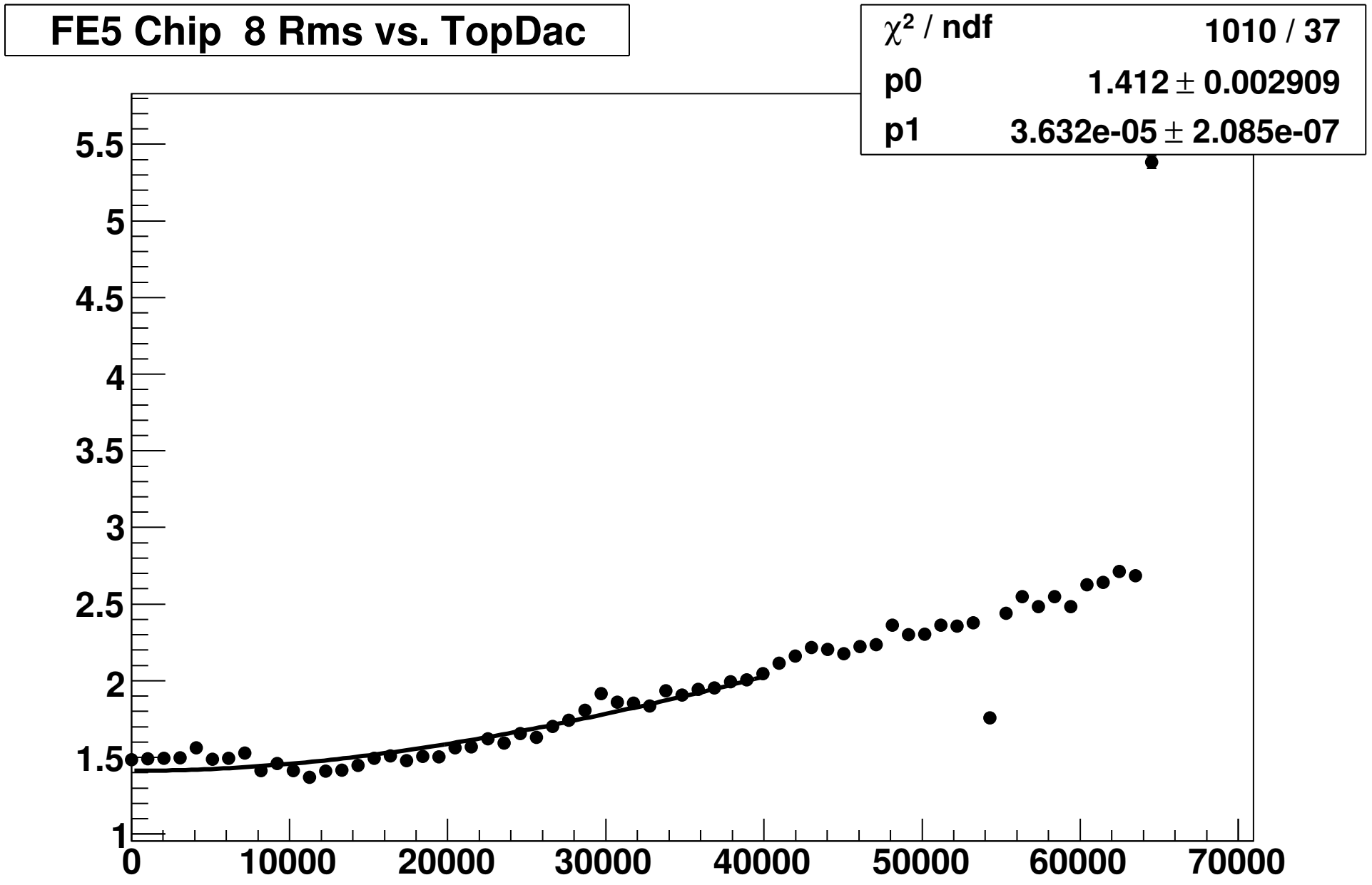
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

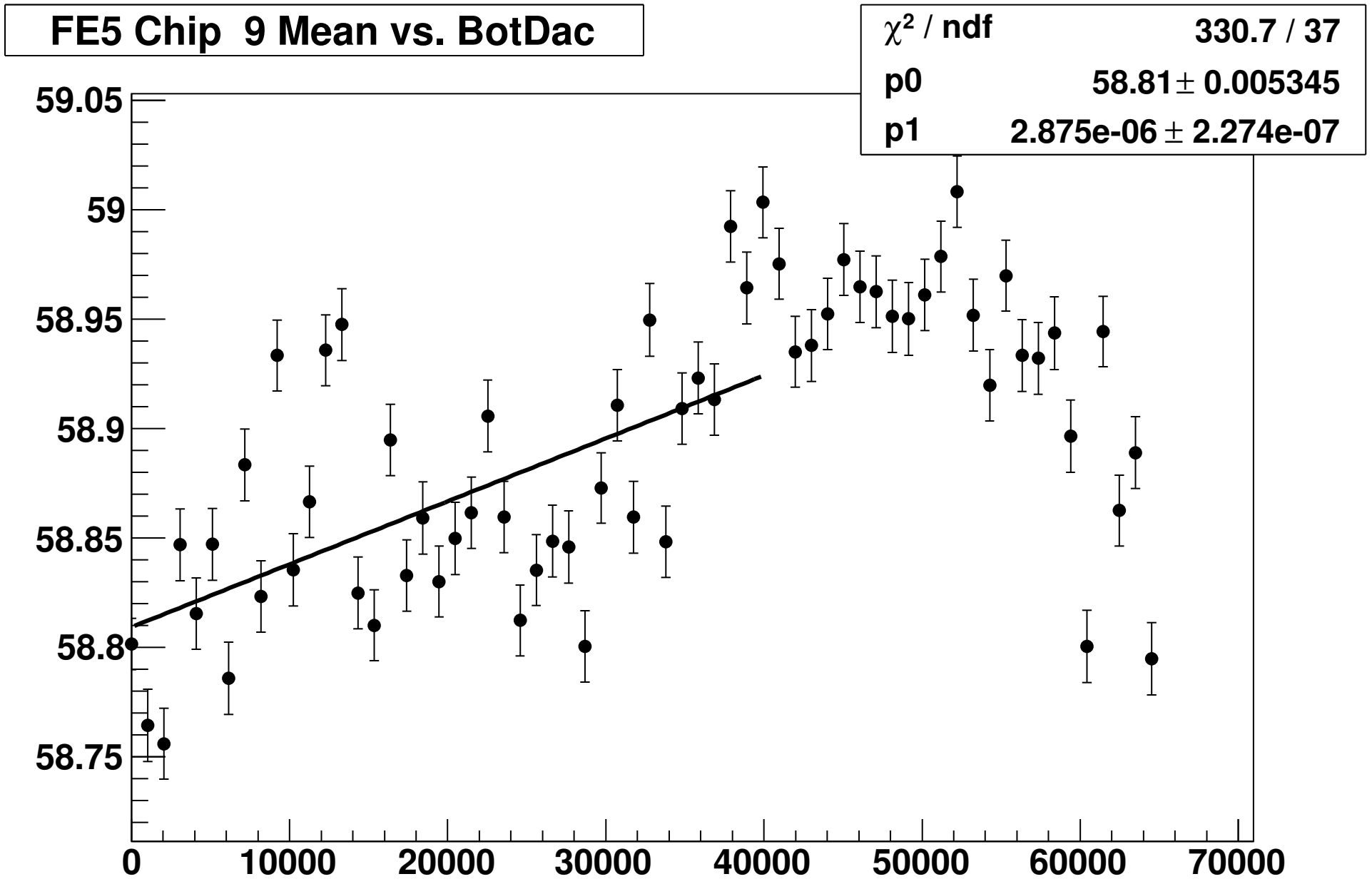

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 834.8 / 37
p0 1.421 ± 0.002923
p1 3.65e-05 ± 2.096e-07
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

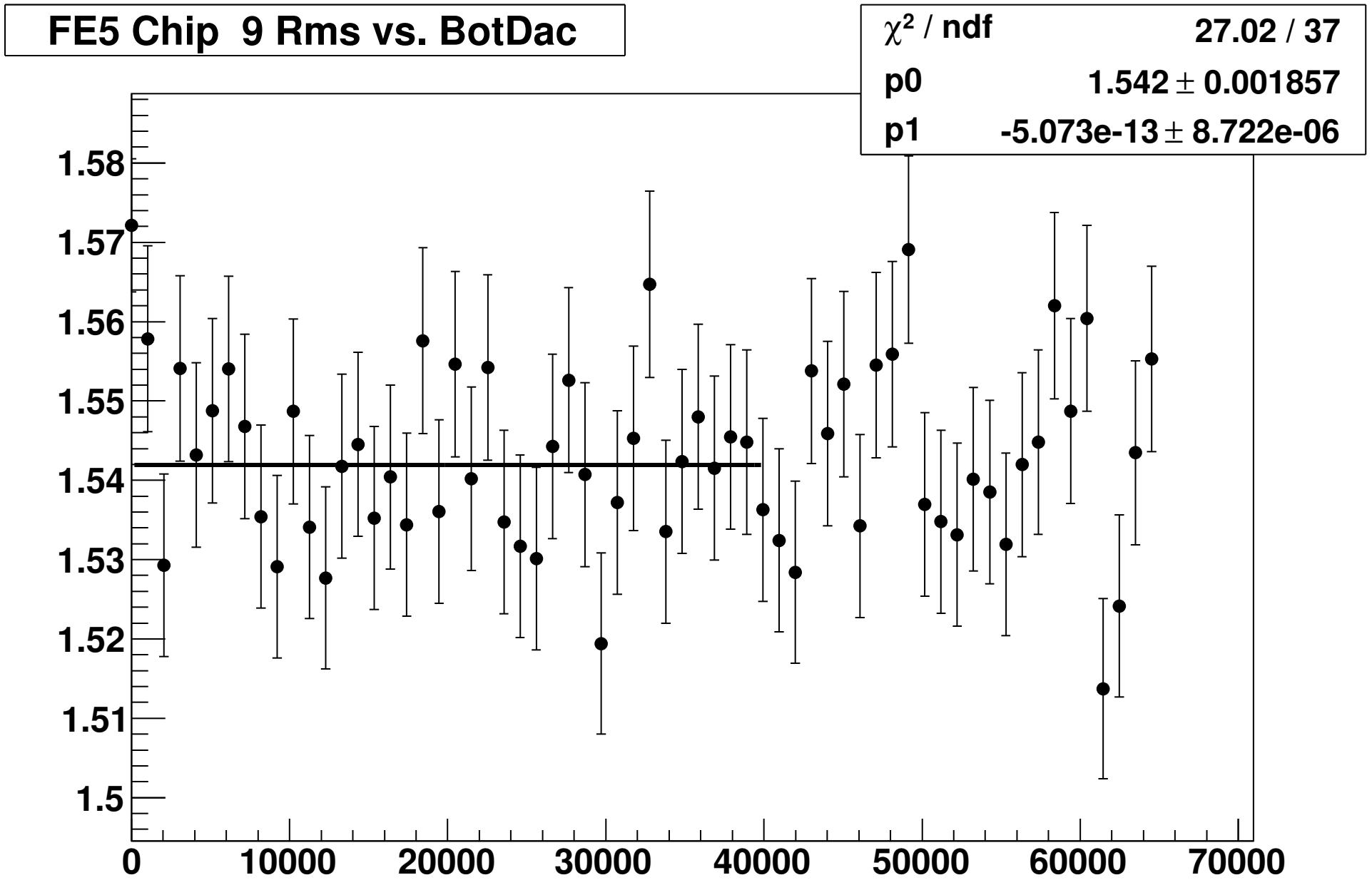

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 369.6 / 37
p0 53.45 ± 0.005054
p1 2.949e-06 ± 2.15e-07
53.65
53.6
53.55
53.5
53.45
53.4
0
10000
20000
30000
40000
50000
60000
70000

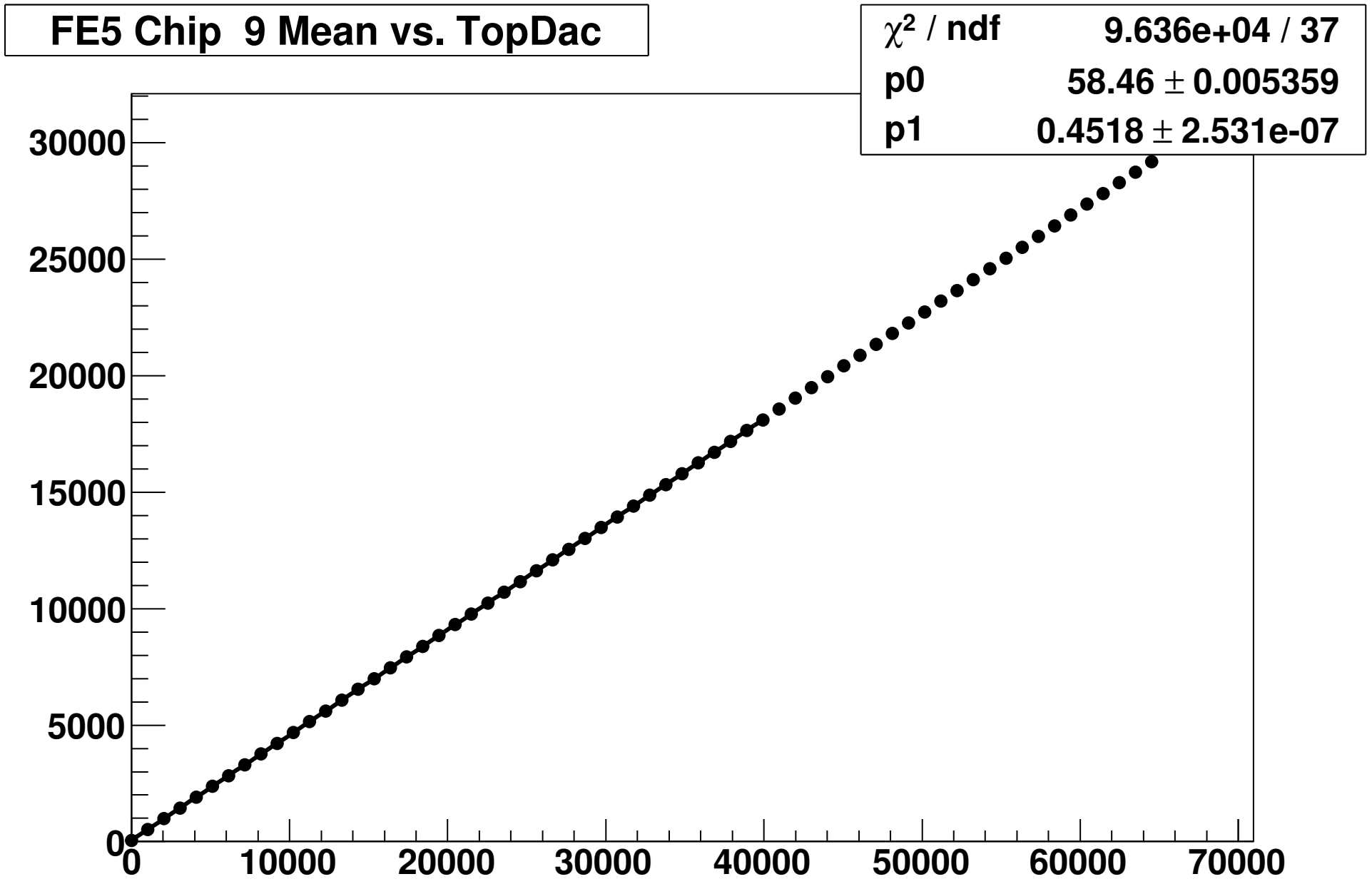

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 30.22 / 37
p0 1.459 ± 0.001759
p1 1.816e-15 ± 4.703e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

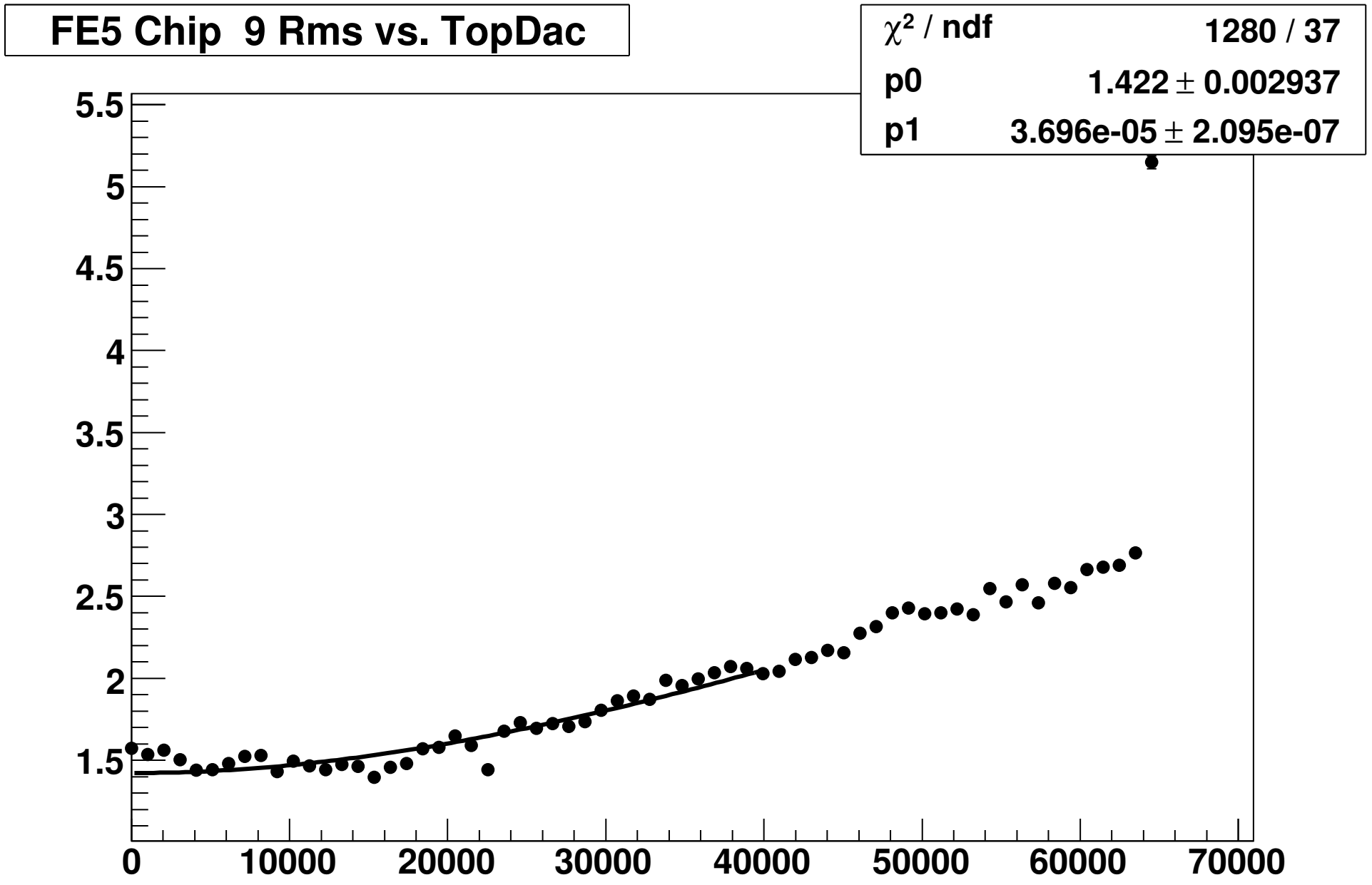

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.347e+05 / 37
p0 53.16 ± 0.00531
p1 0.4518 ± 2.504e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

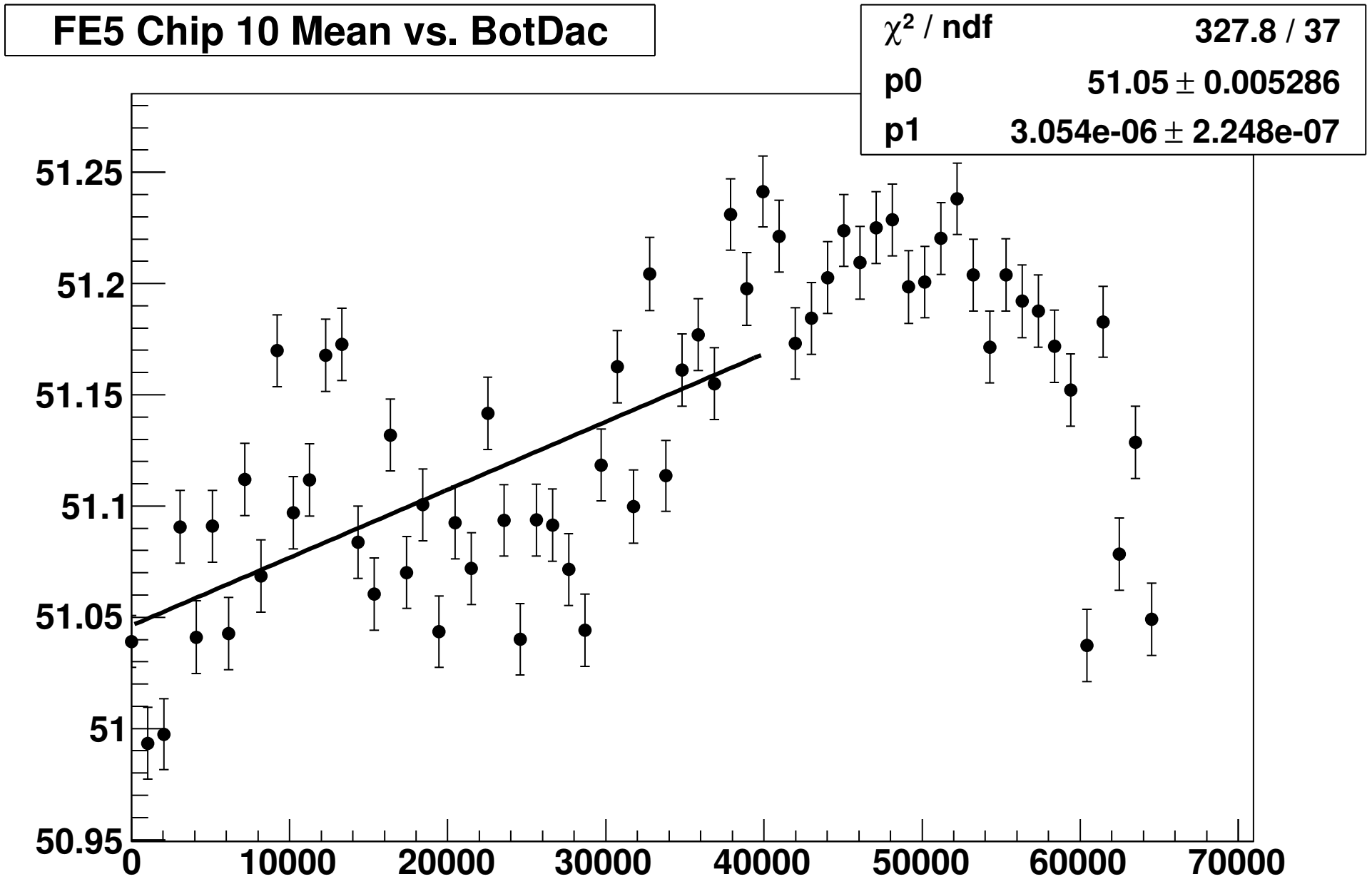

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1010 / 37
p0 1.412 ± 0.002909
p1 3.632e-05 ± 2.085e-07
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000

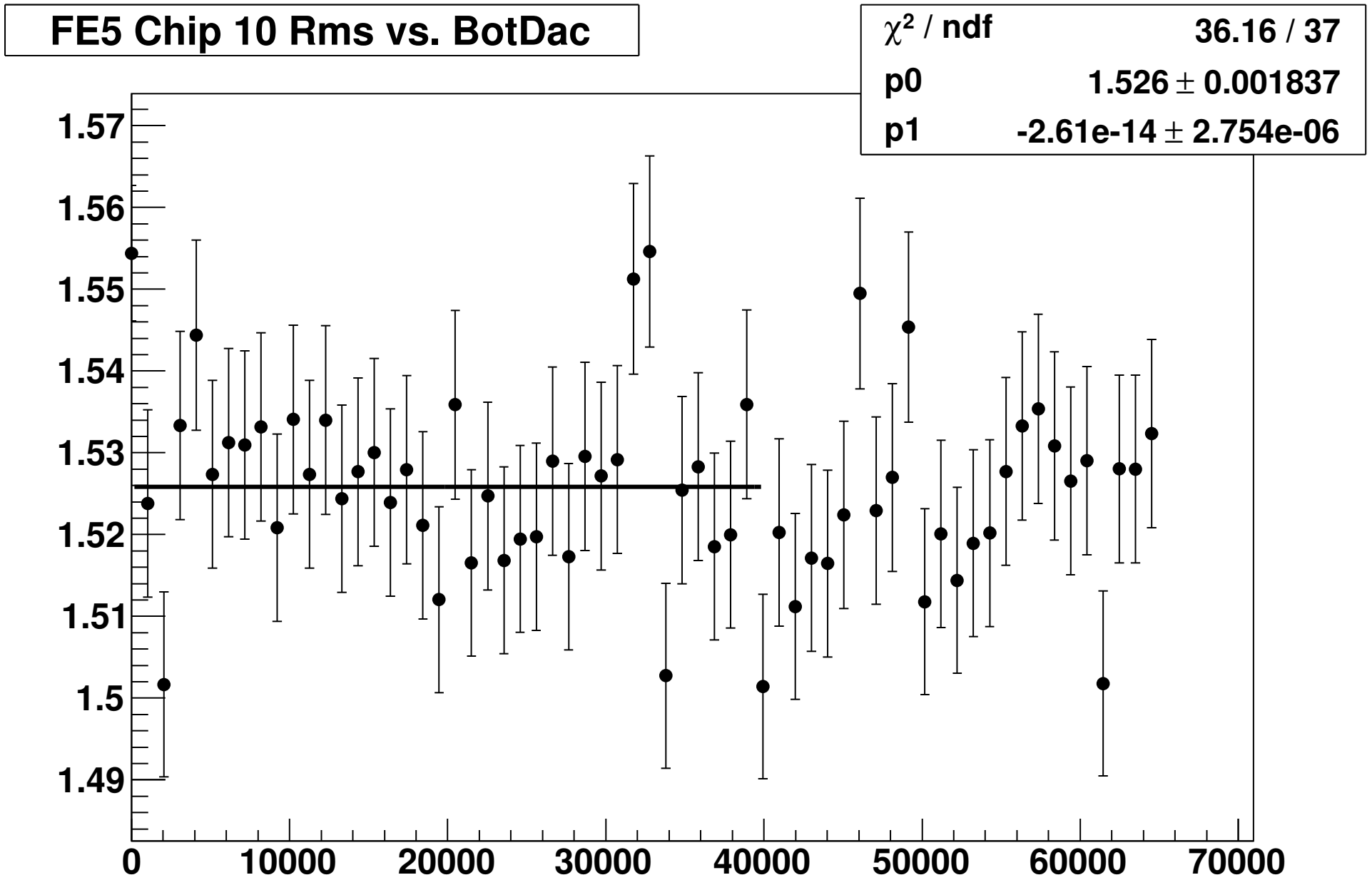

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 330.7 / 37
p0 58.81 ± 0.005345
p1 2.875e-06 ± 2.274e-07
59.05
59
58.95
58.9
58.85
58.8
58.75
0
10000
20000
30000
40000
50000
60000
70000

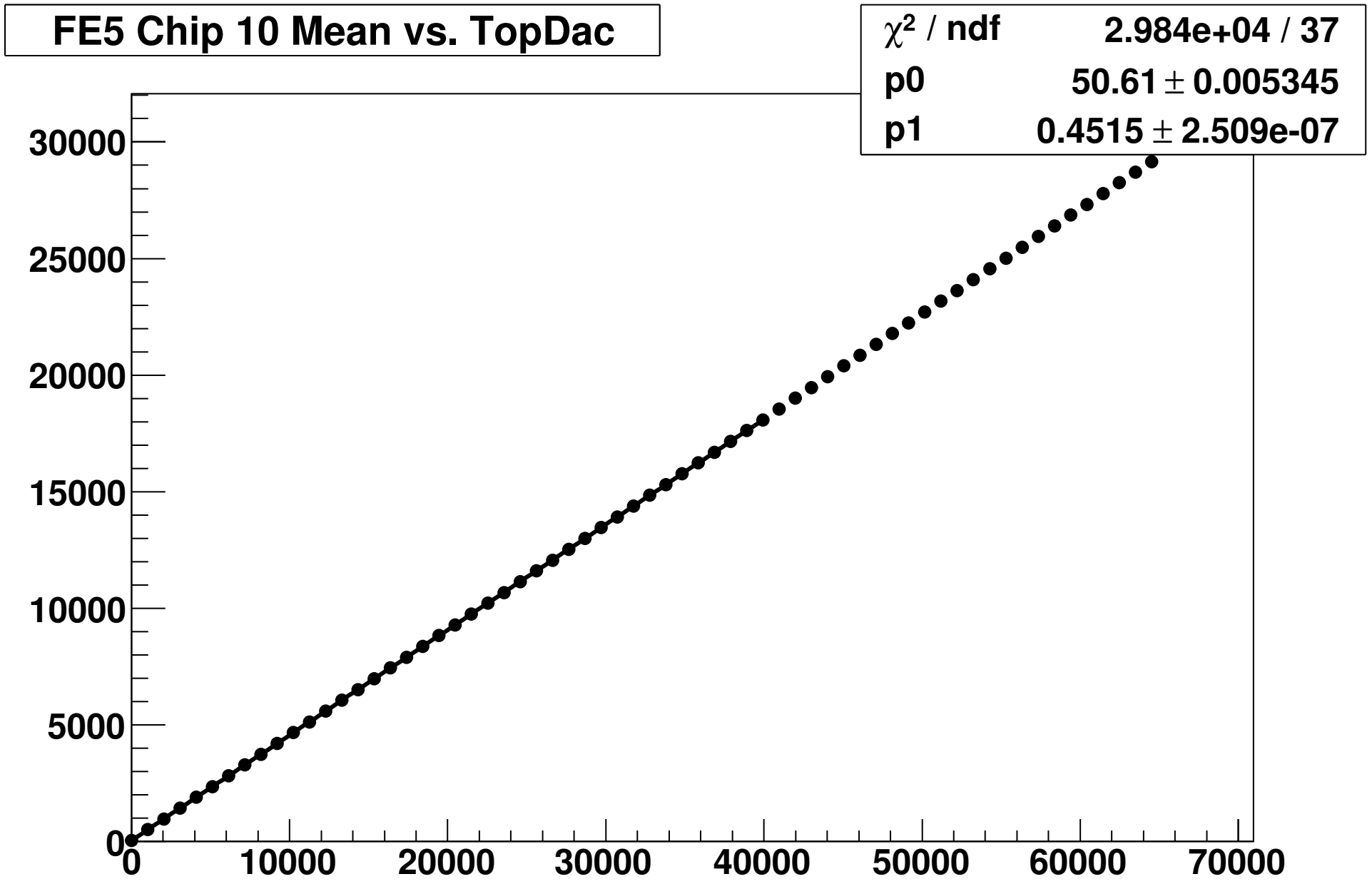

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 27.02 / 37
p0 1.542 ± 0.001857
p1 -5.073e-13 ± 8.722e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000

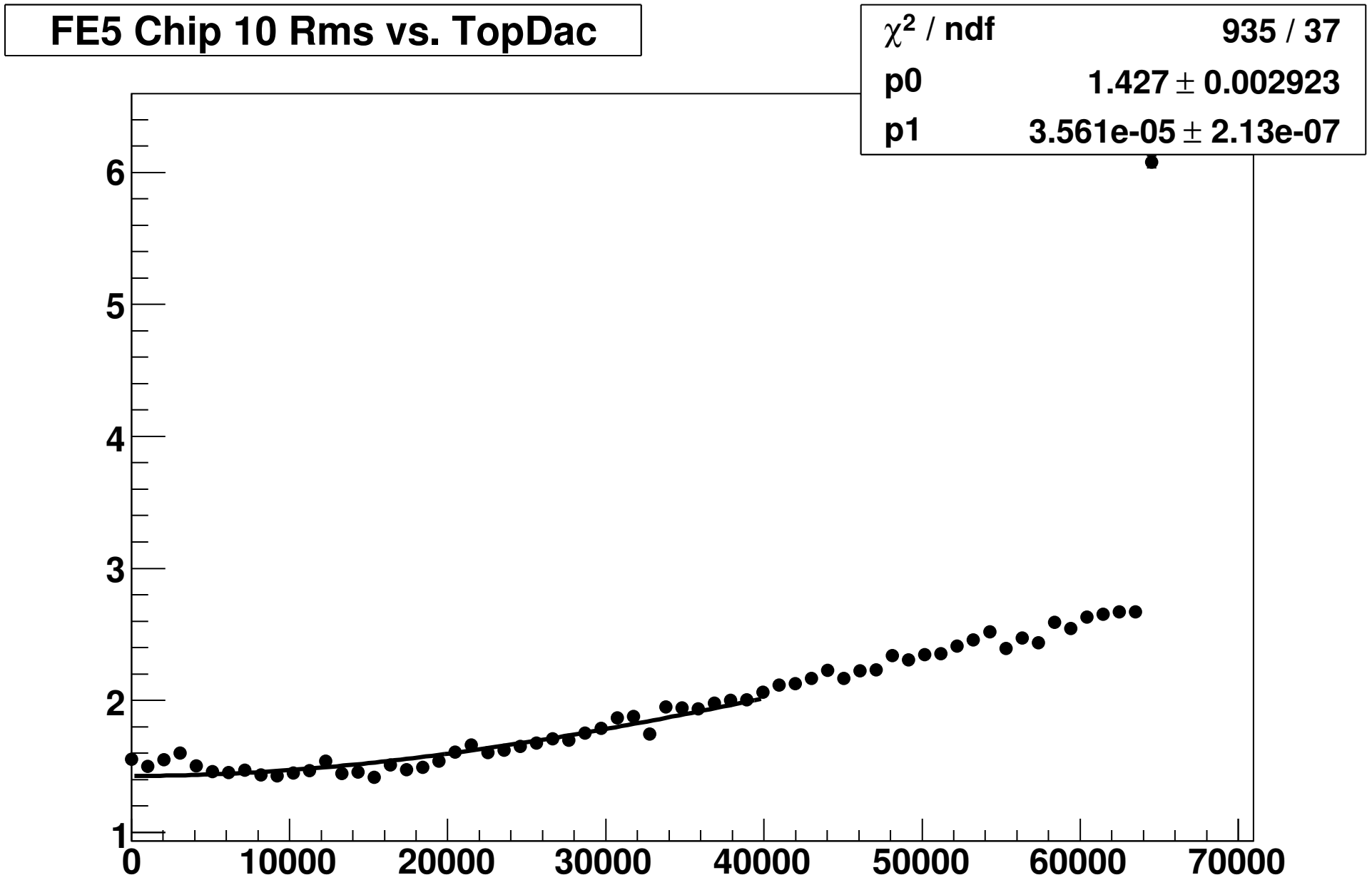

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 9.636e+04 / 37
p0 58.46 ± 0.005359
p1 0.4518 ± 2.531e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

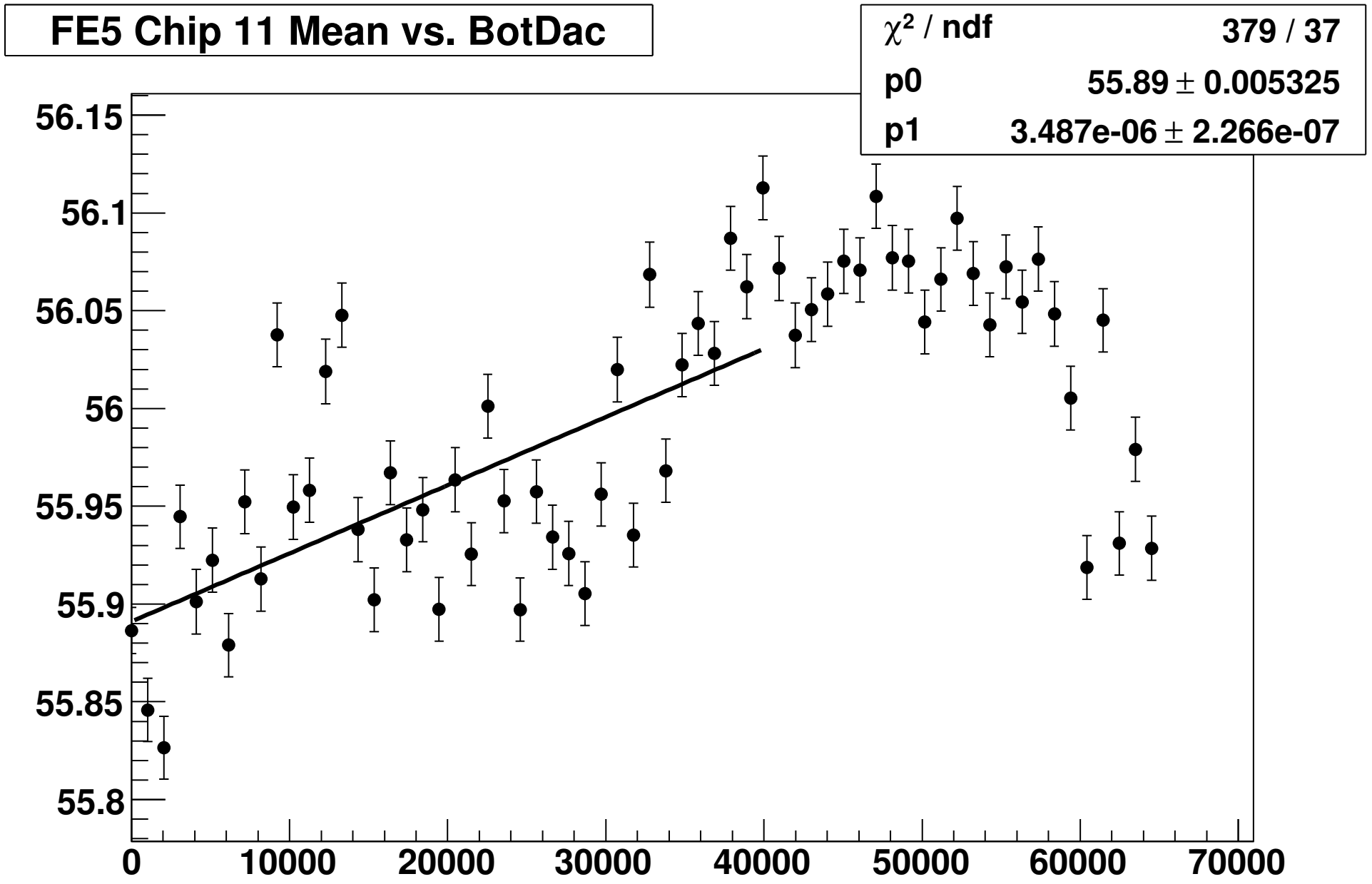

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1280 / 37
p0 1.422 ± 0.002937
p1 3.696e-05 ± 2.095e-07
5.5
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

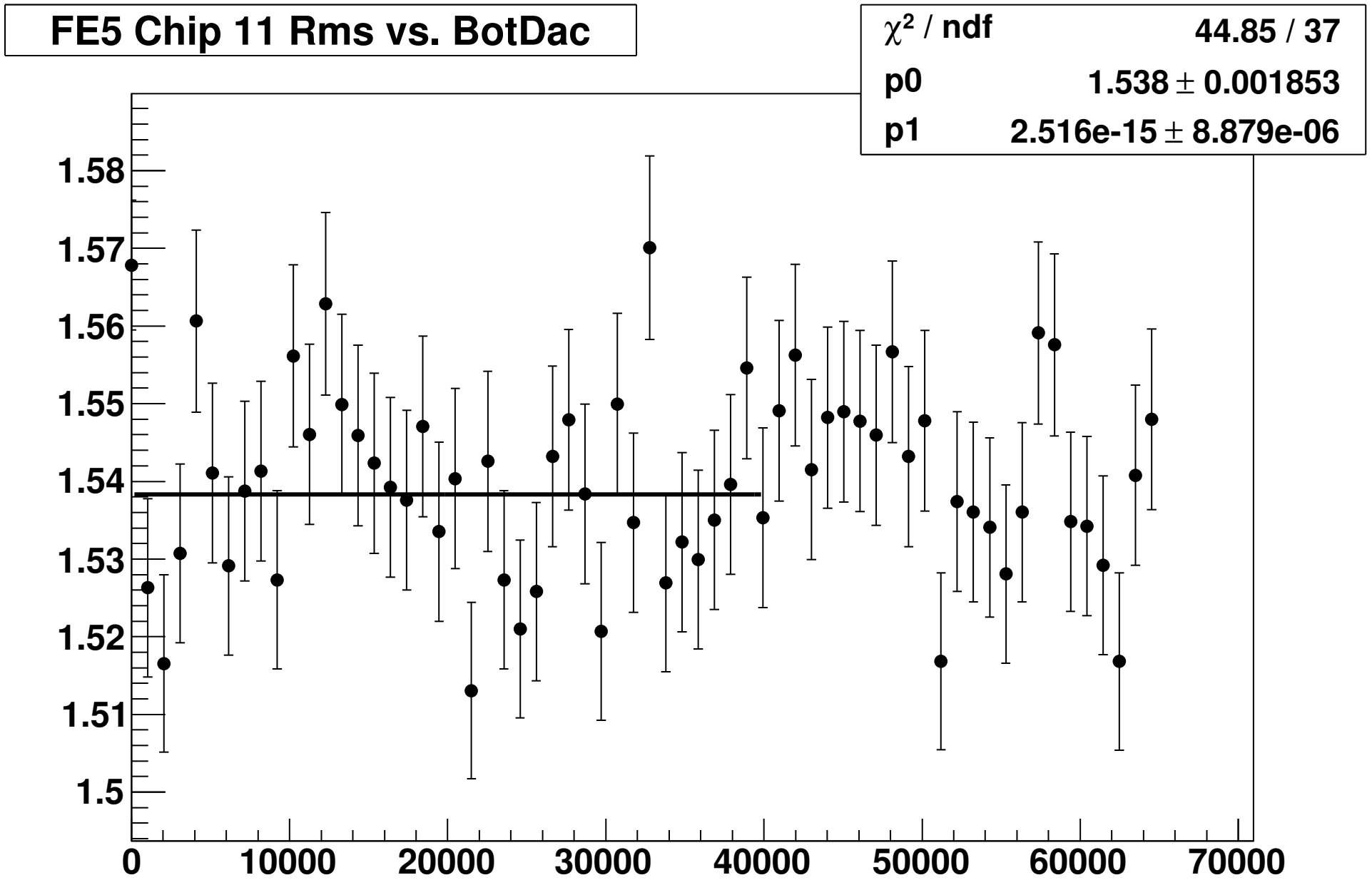

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 327.8 / 37
p0 51.05 ± 0.005286
p1 3.054e-06 ± 2.248e-07
51.25
51.2
51.15
51.1
51.05
51
50.95
0
10000
20000
30000
40000
50000
60000
70000

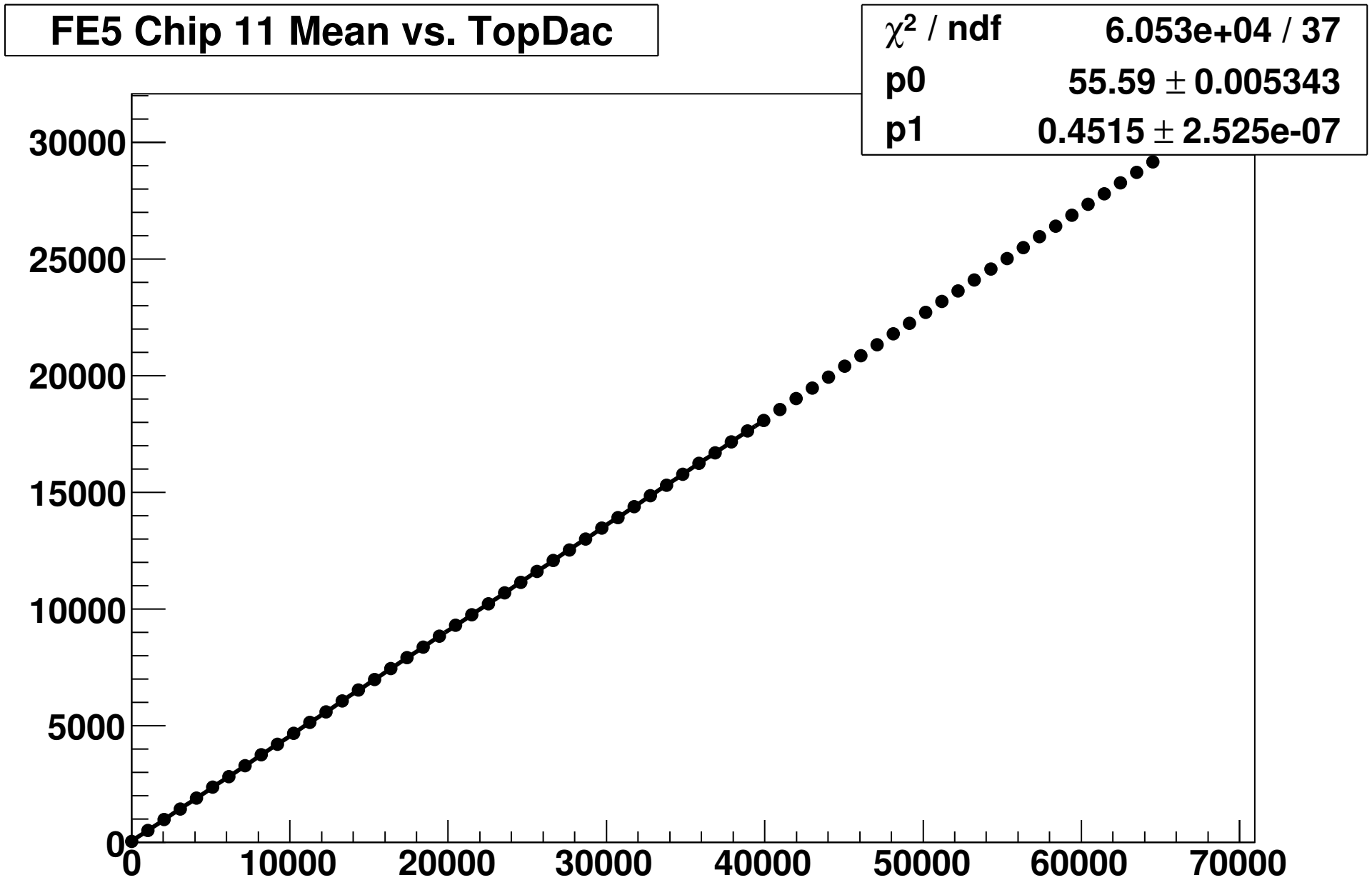

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 36.16 / 37
p0 1.526 ± 0.001837
p1 -2.61e-14 ± 2.754e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

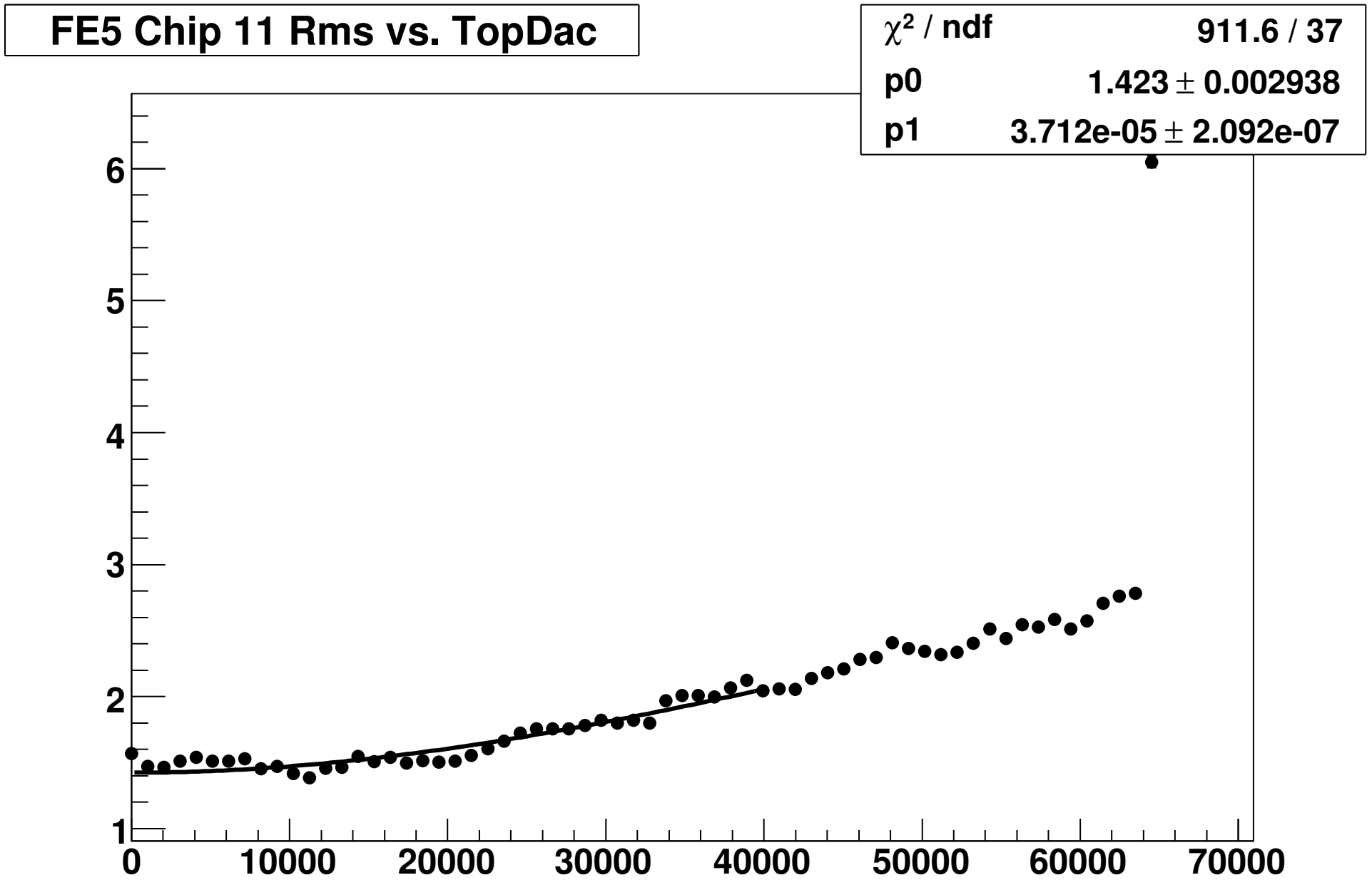

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 2.984e+04 / 37
p0 50.61 ± 0.005345
p1 0.4515 ± 2.509e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

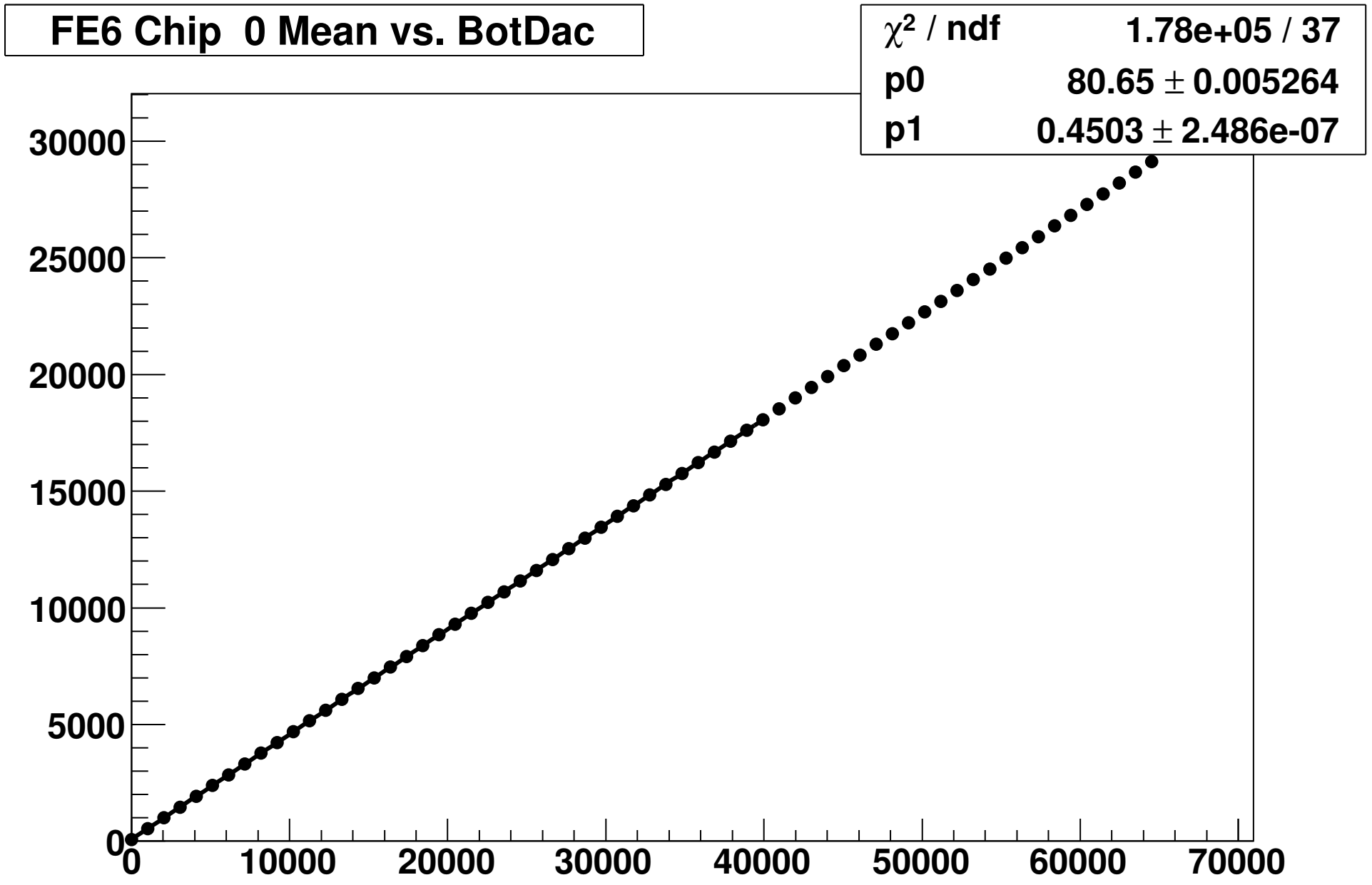

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 935 / 37
p0 1.427 ± 0.002923
p1 3.561e-05 ± 2.13e-07
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

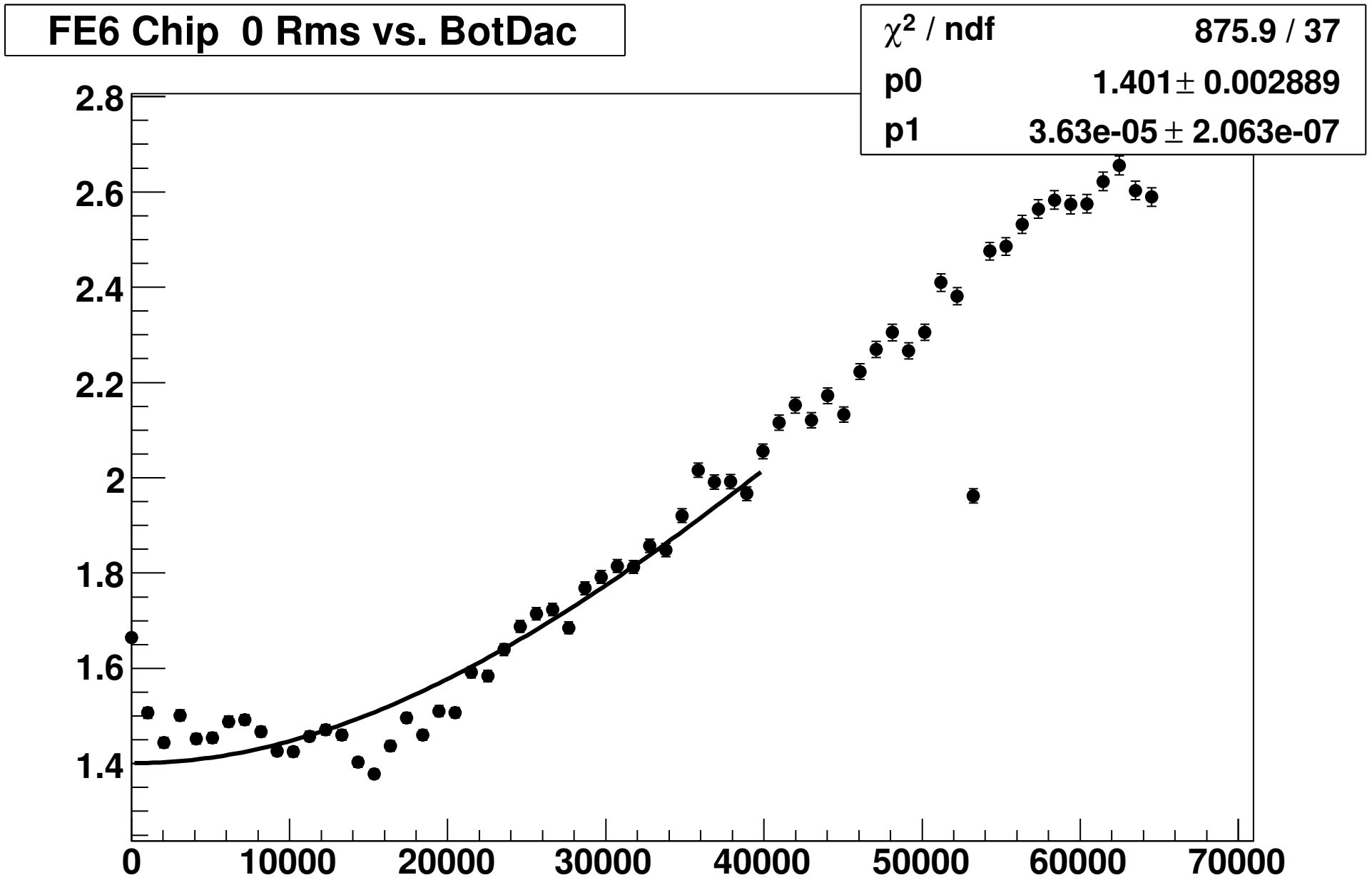

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 379 / 37
p0 55.89 ± 0.005325
p1 3.487e-06 ± 2.266e-07
56.15
56.1
56.05
56
55.95
55.9
55.85
55.8
0
10000
20000
30000
40000
50000
60000
70000

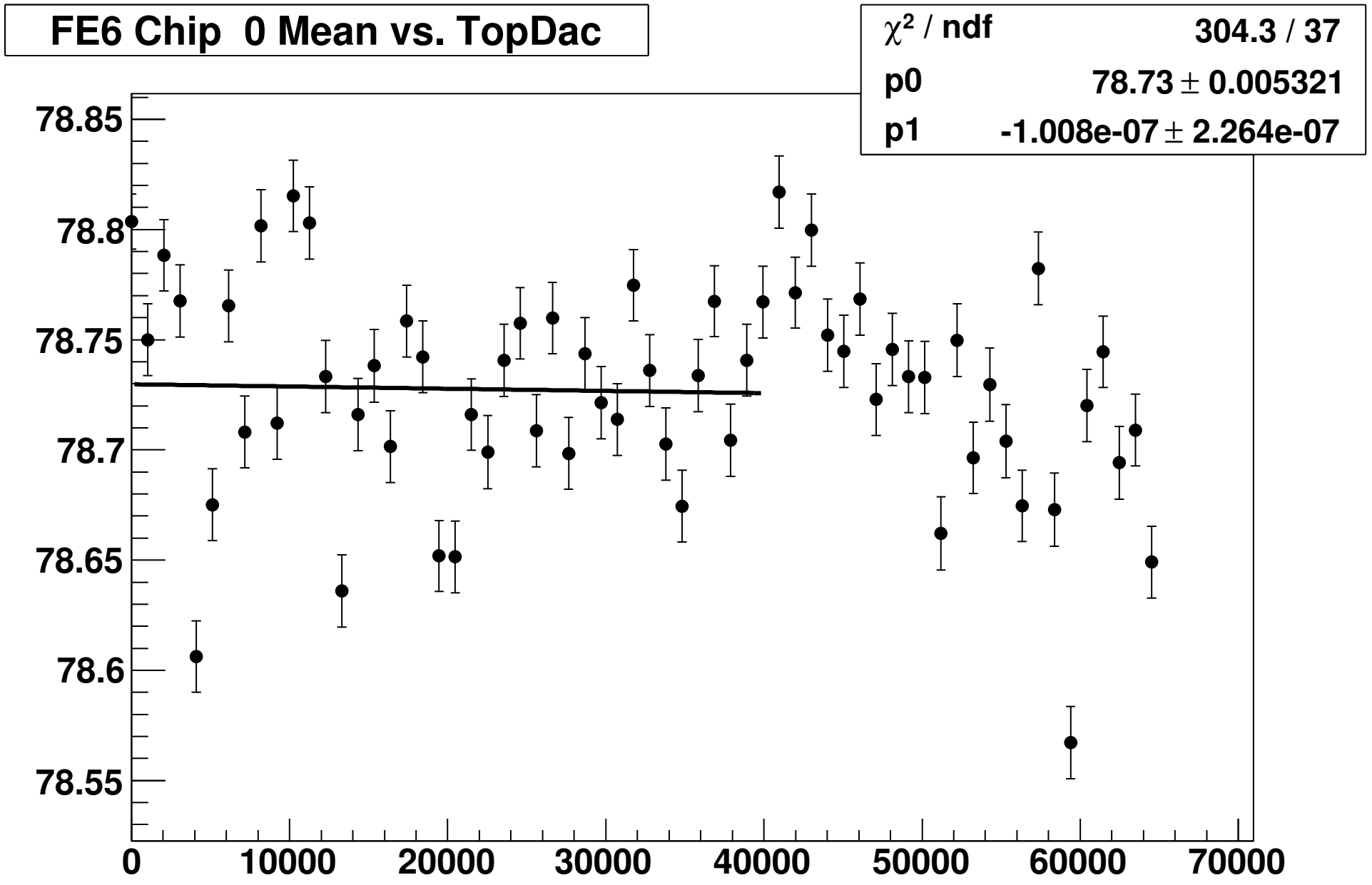

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 44.85 / 37
p0 1.538 ± 0.001853
p1 2.516e-15 ± 8.879e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 6.053e+04 / 37
p0 55.59 ± 0.005343
p1 0.4515 ± 2.525e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 911.6 / 37
p0 1.423 ± 0.002938
p1 3.712e-05 ± 2.092e-07
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.78e+05 / 37
p0 80.65 ± 0.005264
p1 0.4503 ± 2.486e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 875.9 / 37
p0 1.401 ± 0.002889
p1 3.63e-05 ± 2.063e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 304.3 / 37
p0 78.73 ± 0.005321
p1 -1.008e-07 ± 2.264e-07
78.85
78.8
78.75
78.7
78.65
78.6
78.55
0
10000
20000
30000
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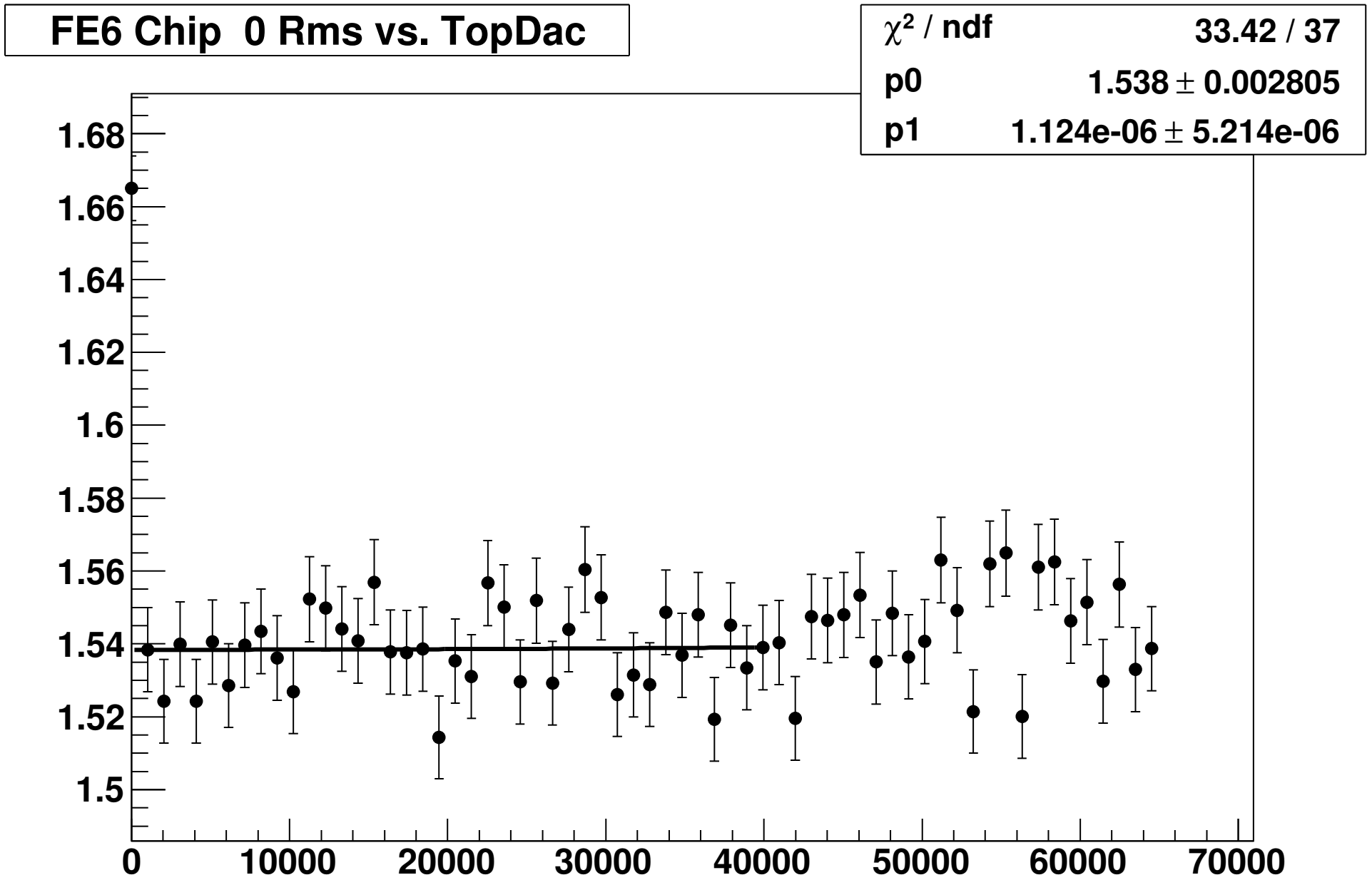
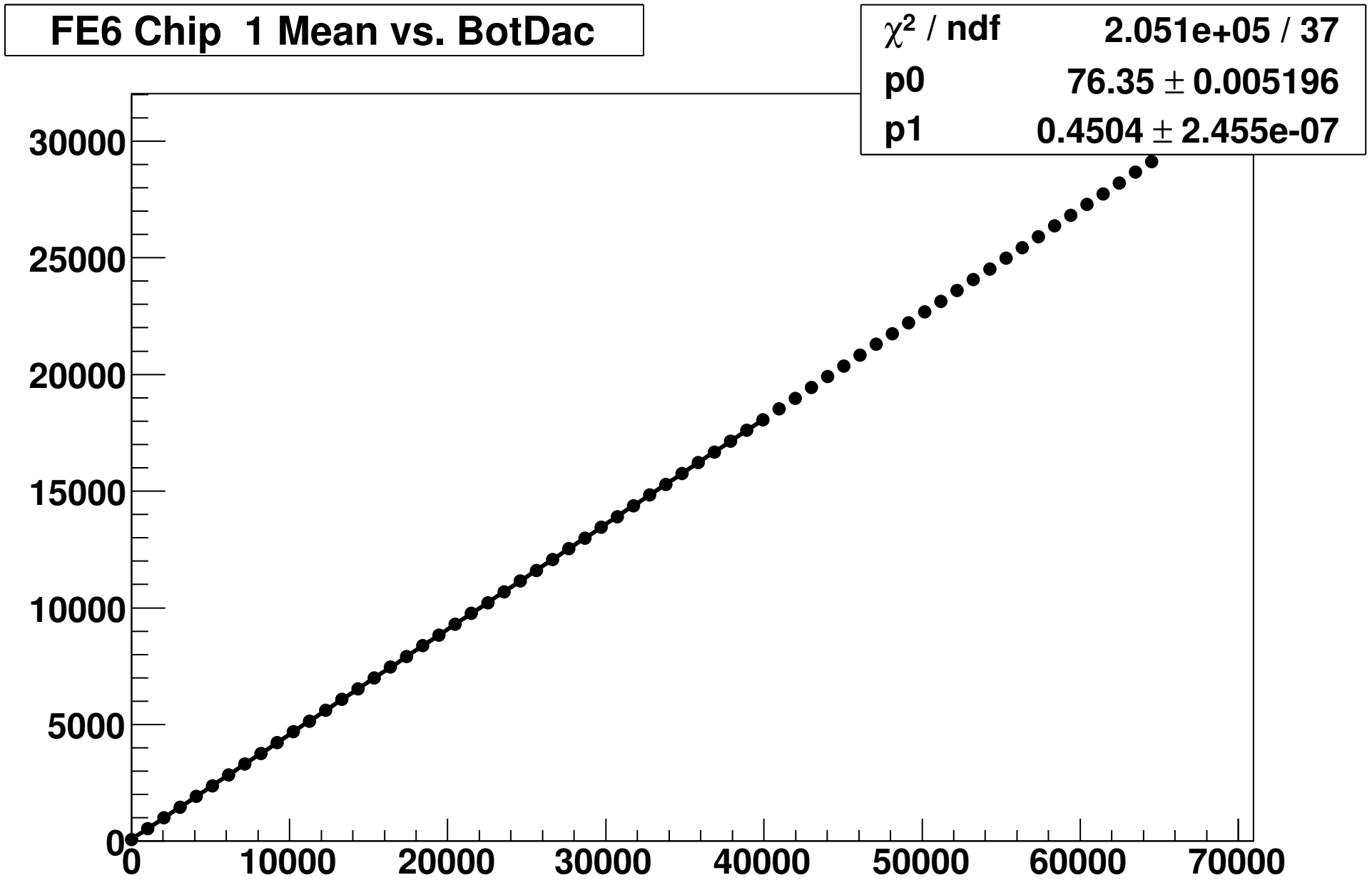
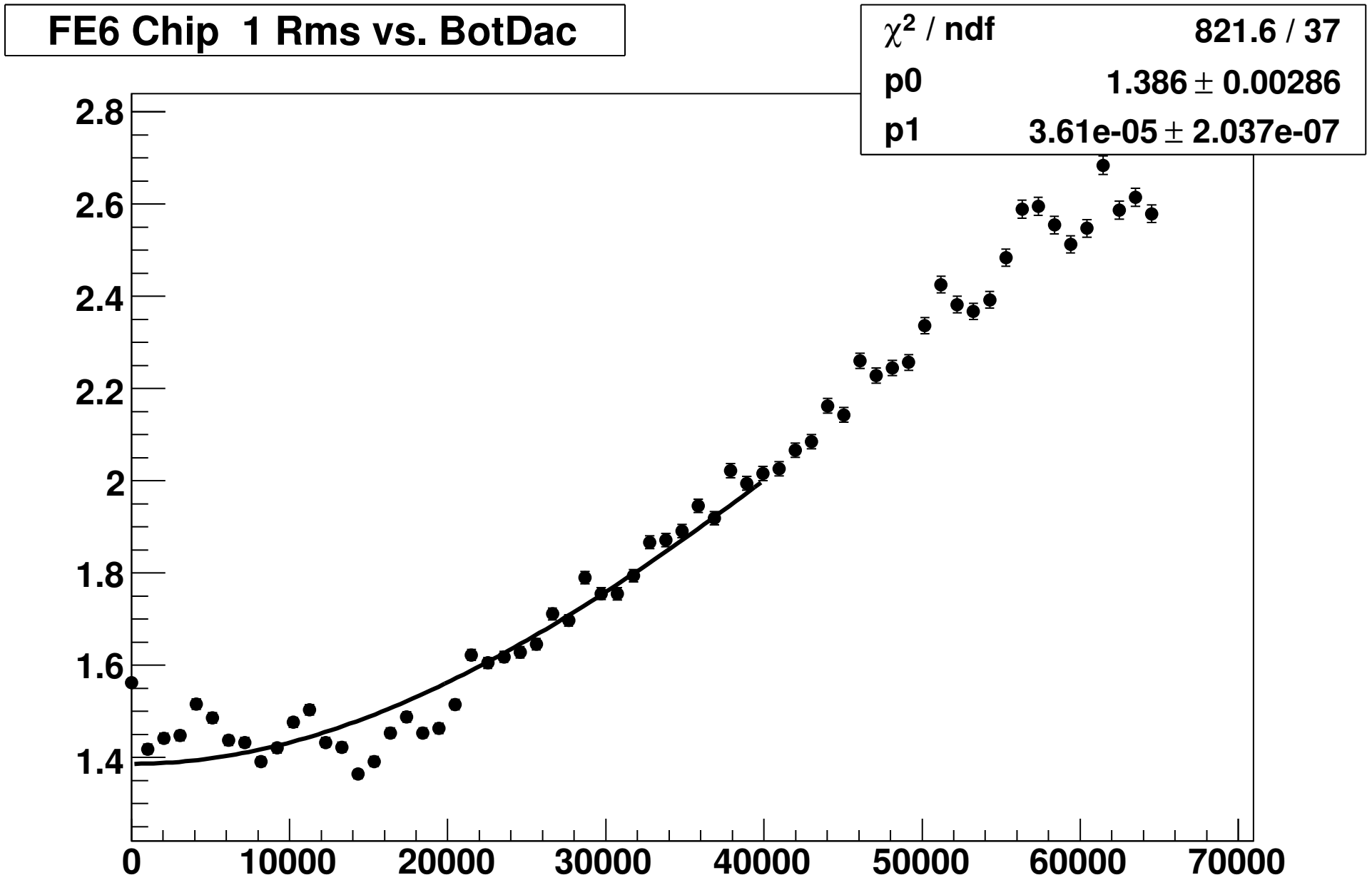
50000
60000
70000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 33.42 / 37
p0 1.538 ± 0.002805
p1 1.124e-06 ± 5.214e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 2.051e+05 / 37
p0 76.35 ± 0.005196
p1 0.4504 ± 2.455e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 821.6 / 37
p0 1.386 ± 0.00286
p1 3.61e-05 ± 2.037e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
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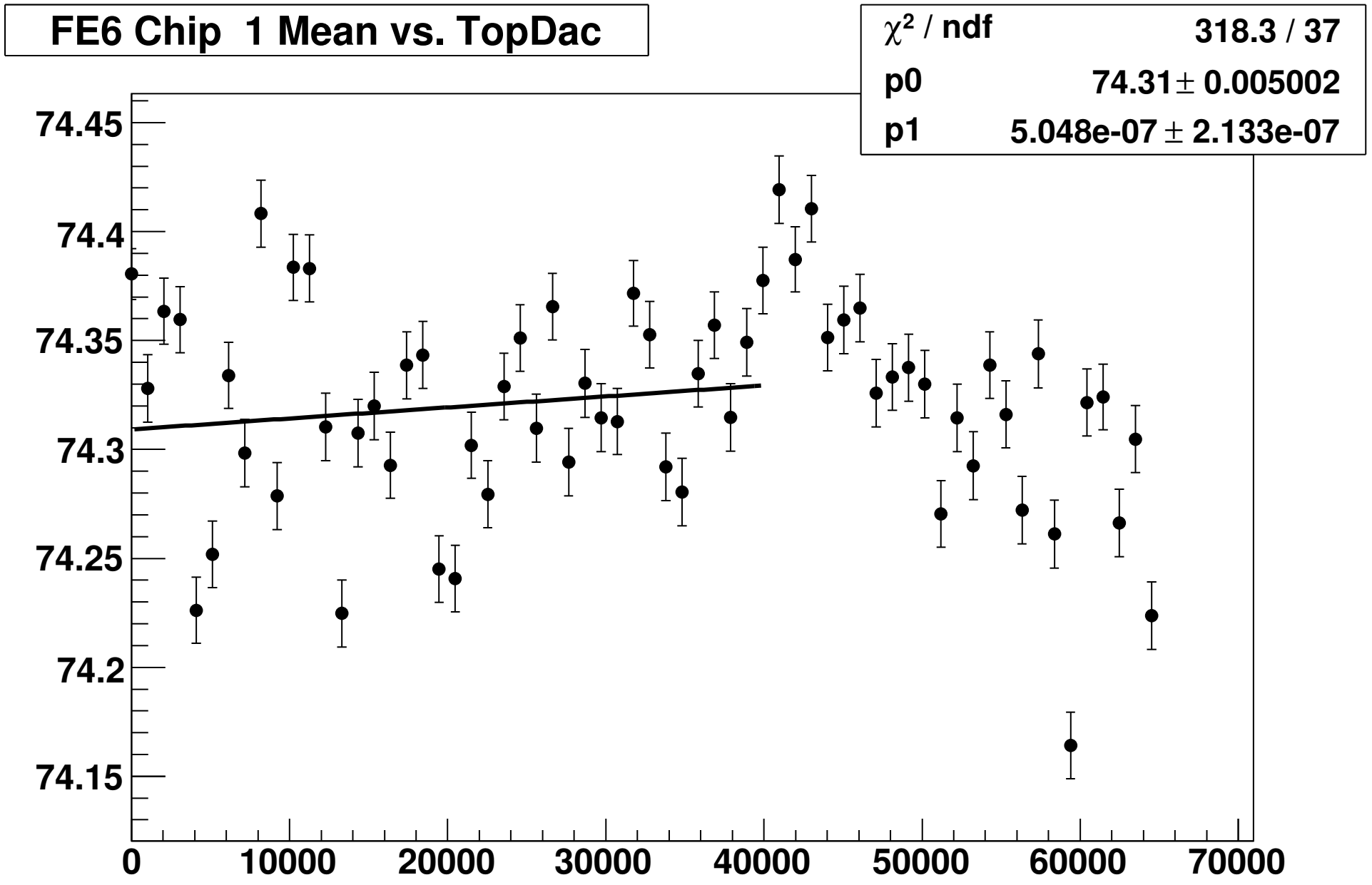
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 318.3 / 37
p0 74.31 ± 0.005002
p1 5.048e-07 ± 2.133e-07
74.45
74.4
74.35
74.3
74.25
74.2
74.15
0
10000
20000
30000
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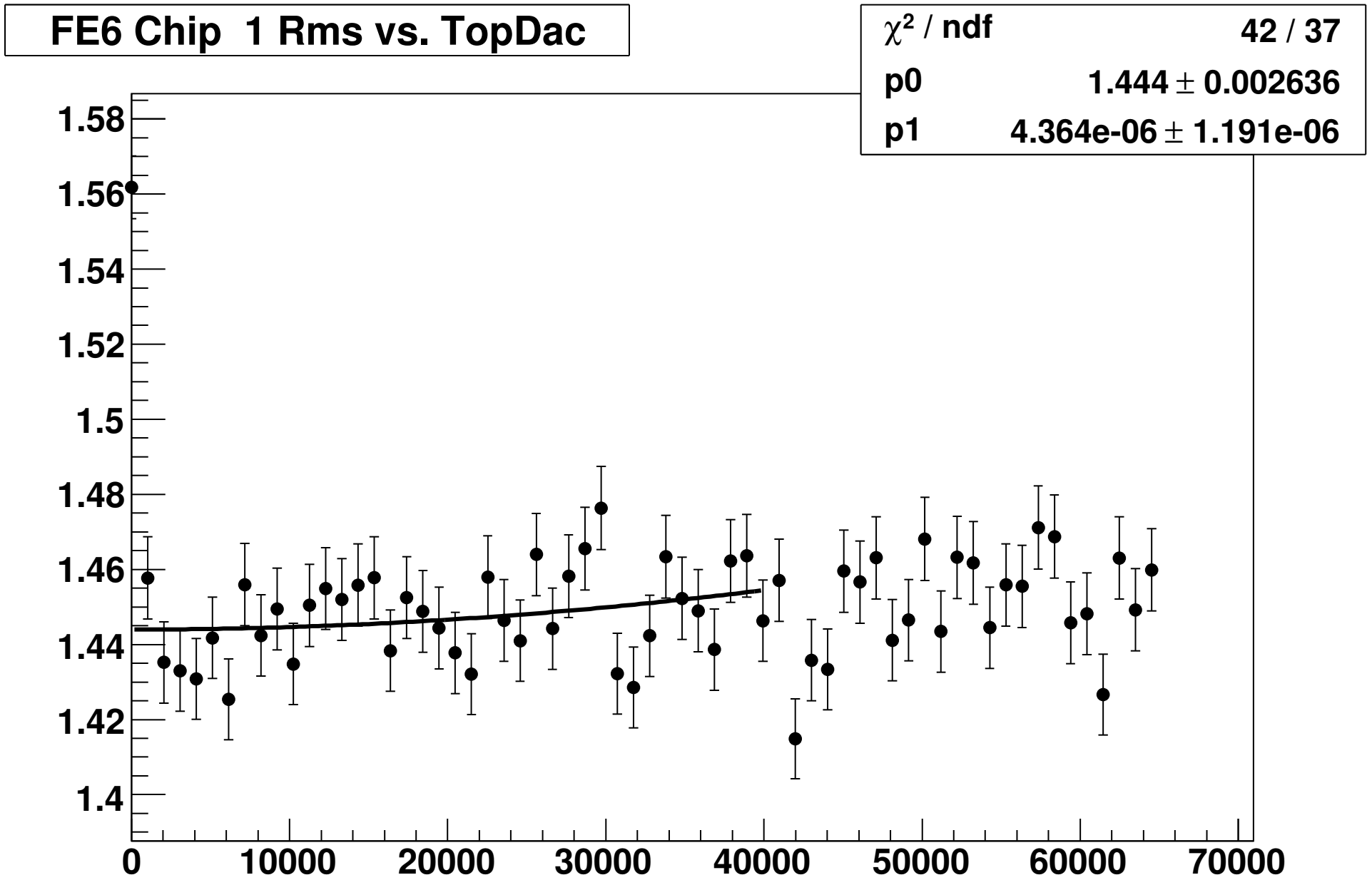
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 42 / 37
p0 1.444 ± 0.002636
p1 4.364e-06 ± 1.191e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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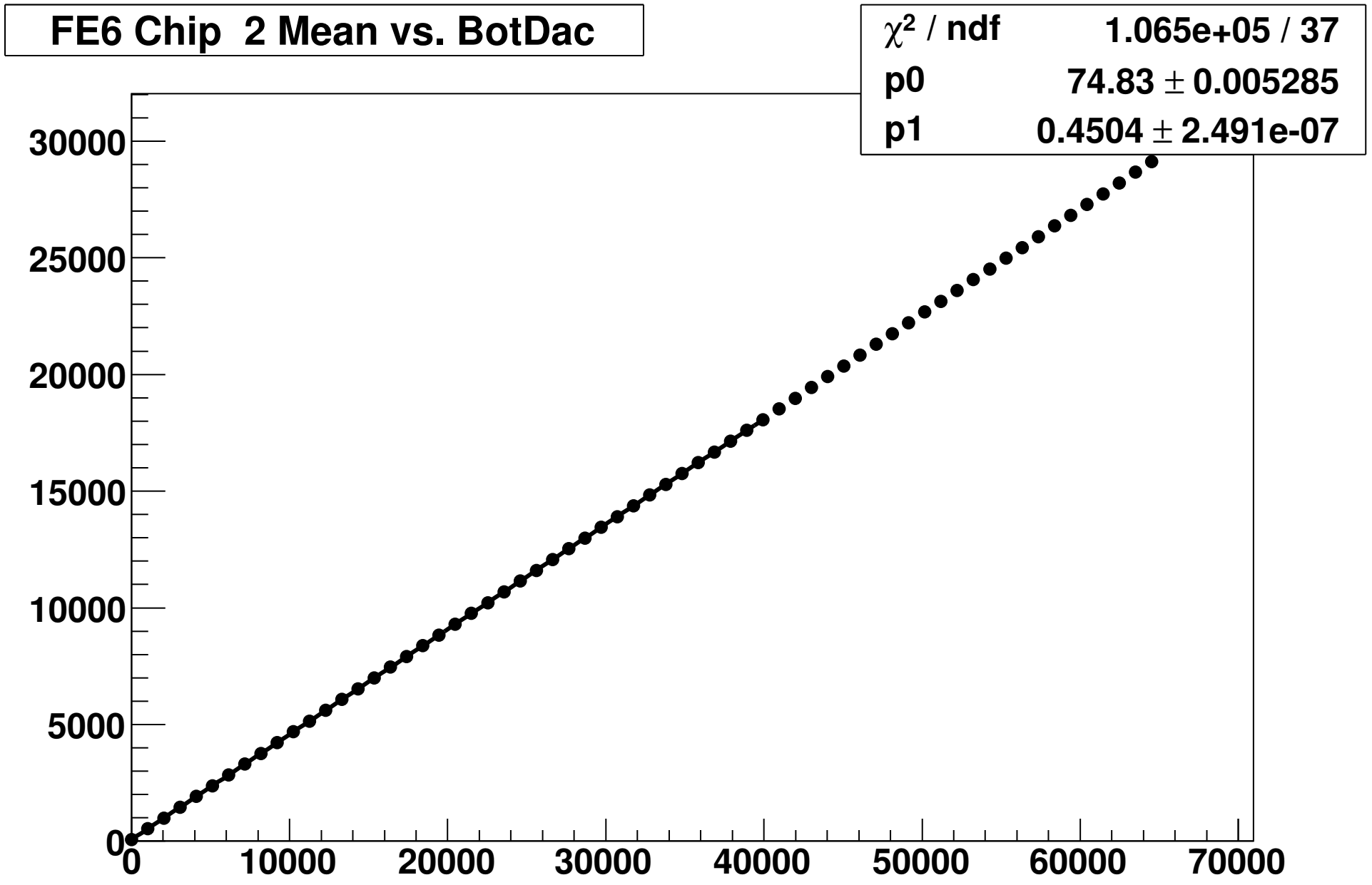
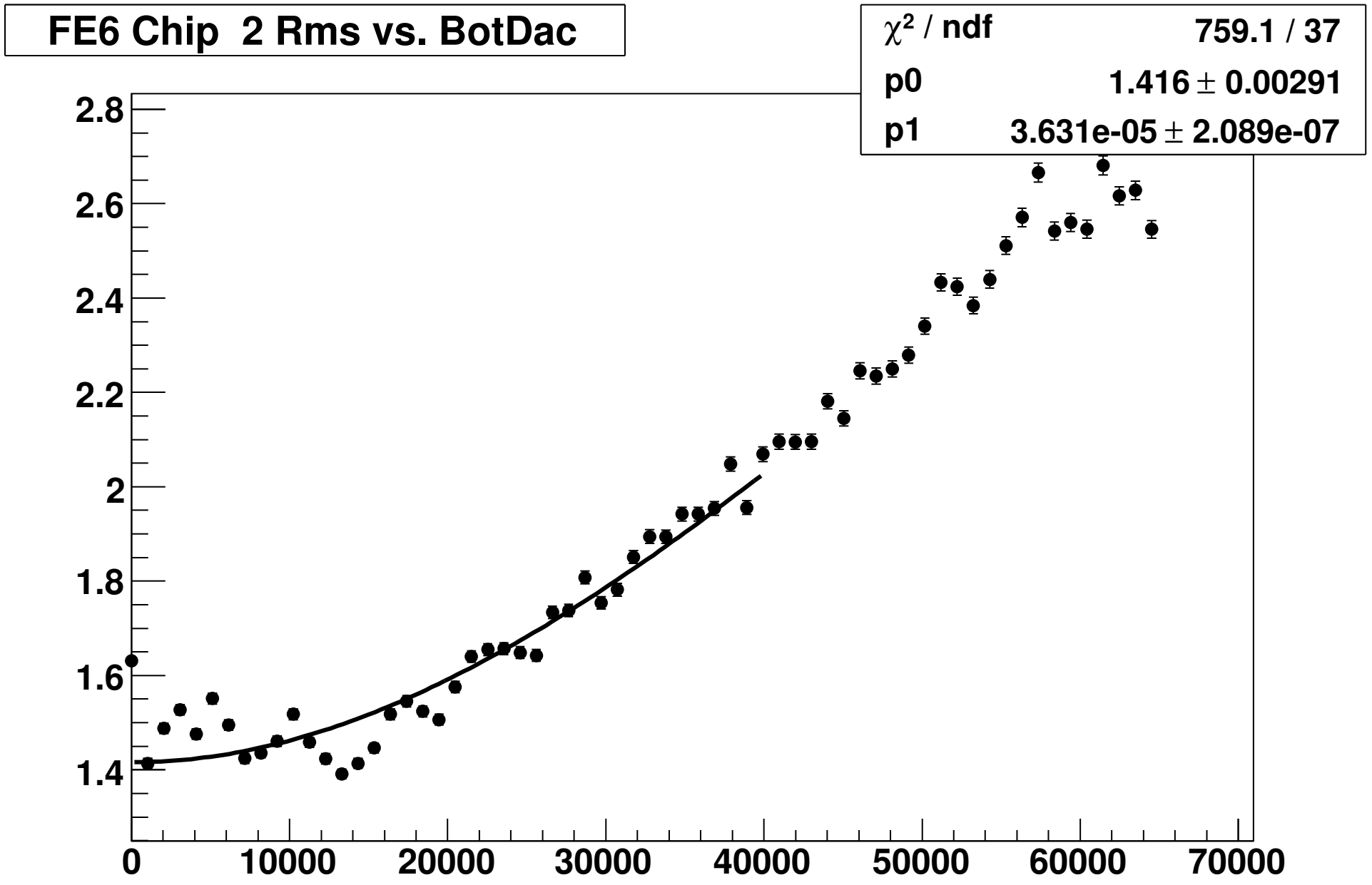

FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.065e+05 / 37
p0 74.83 ± 0.005285
p1 0.4504 ± 2.491e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 759.1 / 37
p0 1.416 ± 0.00291
p1 3.631e-05 ± 2.089e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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40000
50000
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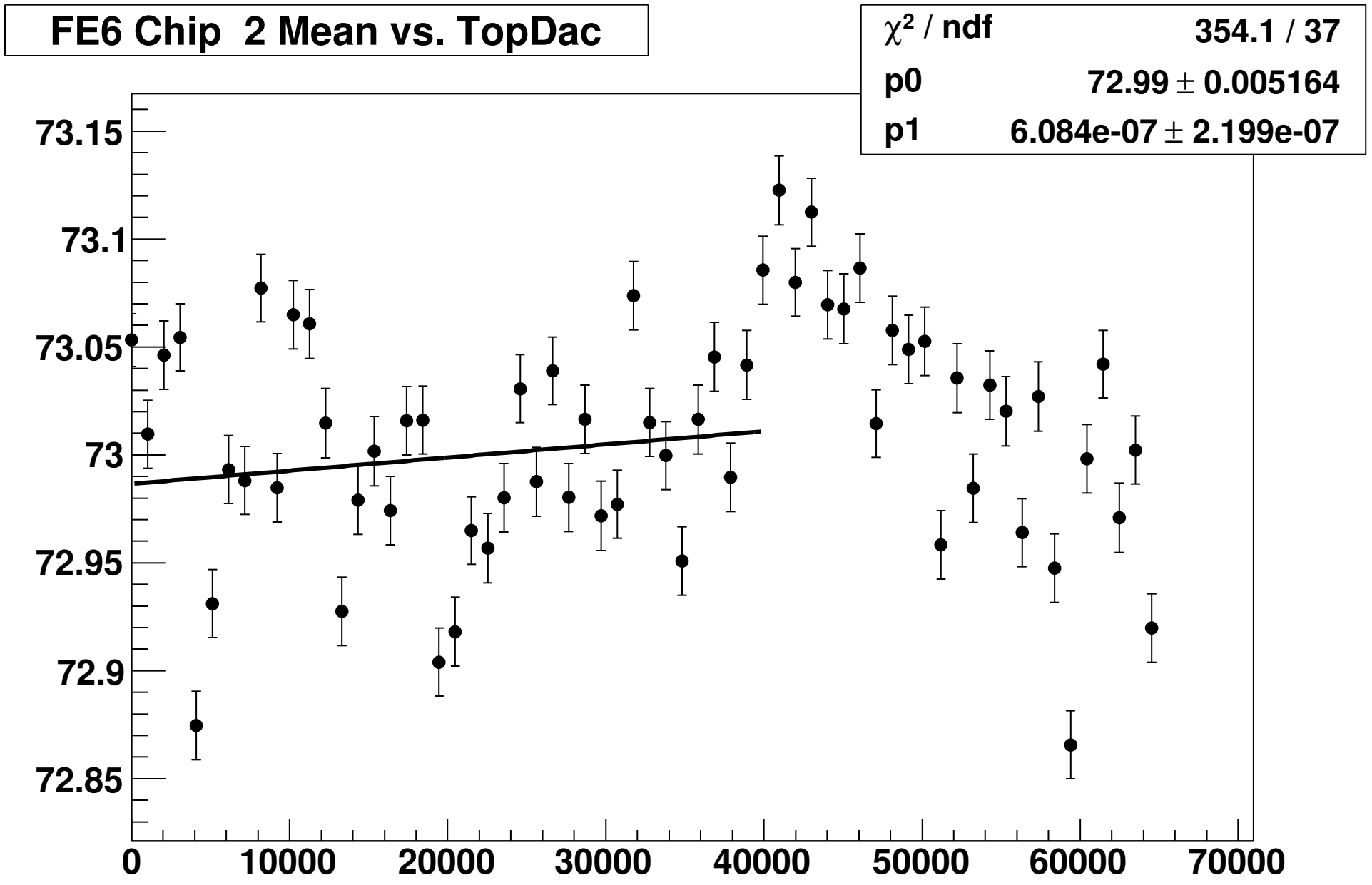
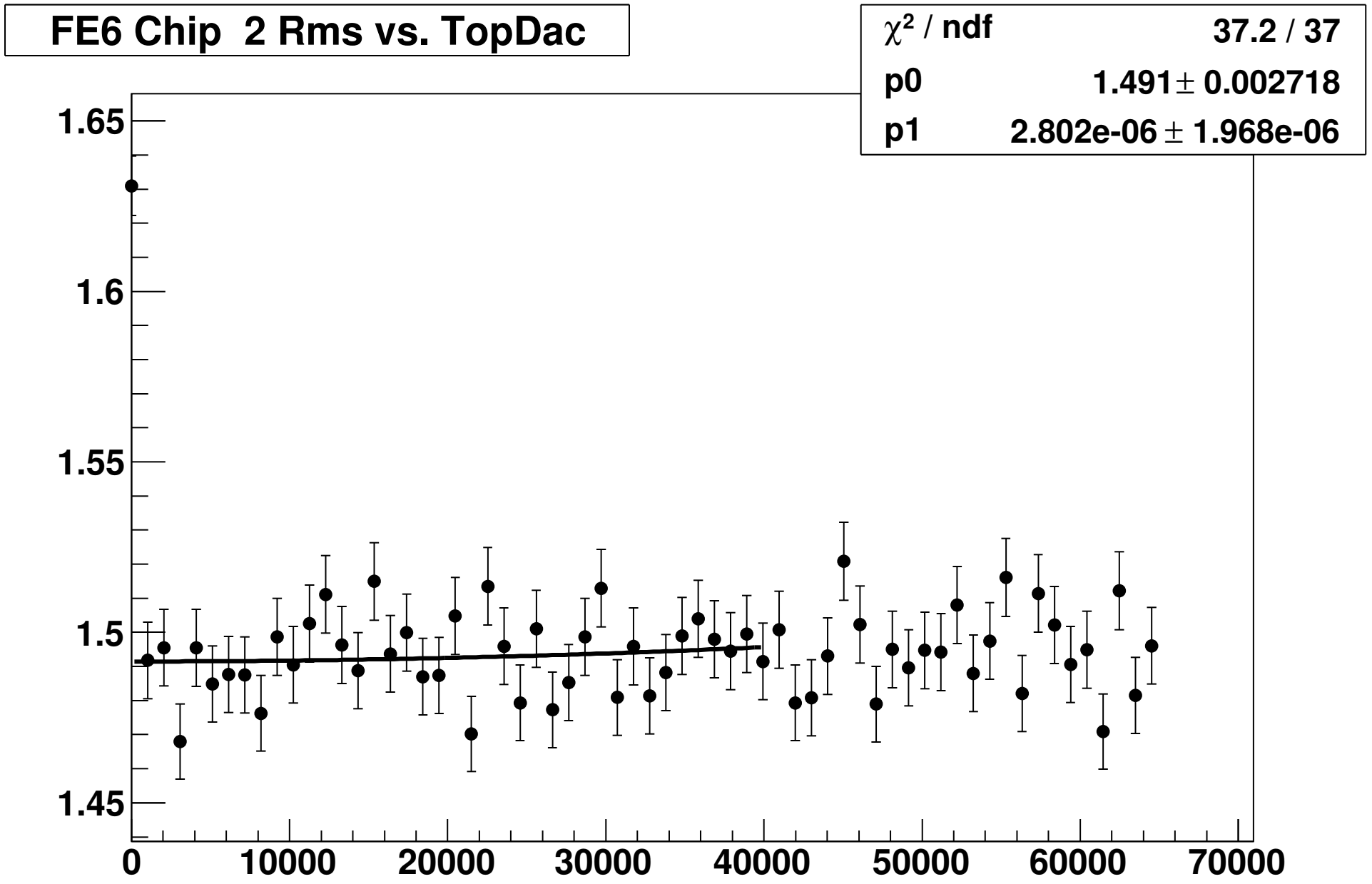

FE6 Chip 2 Mean vs. TopDac
χ² / ndf 354.1 / 37
p0 72.99 ± 0.005164
p1 6.084e-07 ± 2.199e-07
73.15
73.1
73.05
73
72.95
72.9
72.85
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 37.2 / 37
p0 1.491 ± 0.002718
p1 2.802e-06 ± 1.968e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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50000
60000
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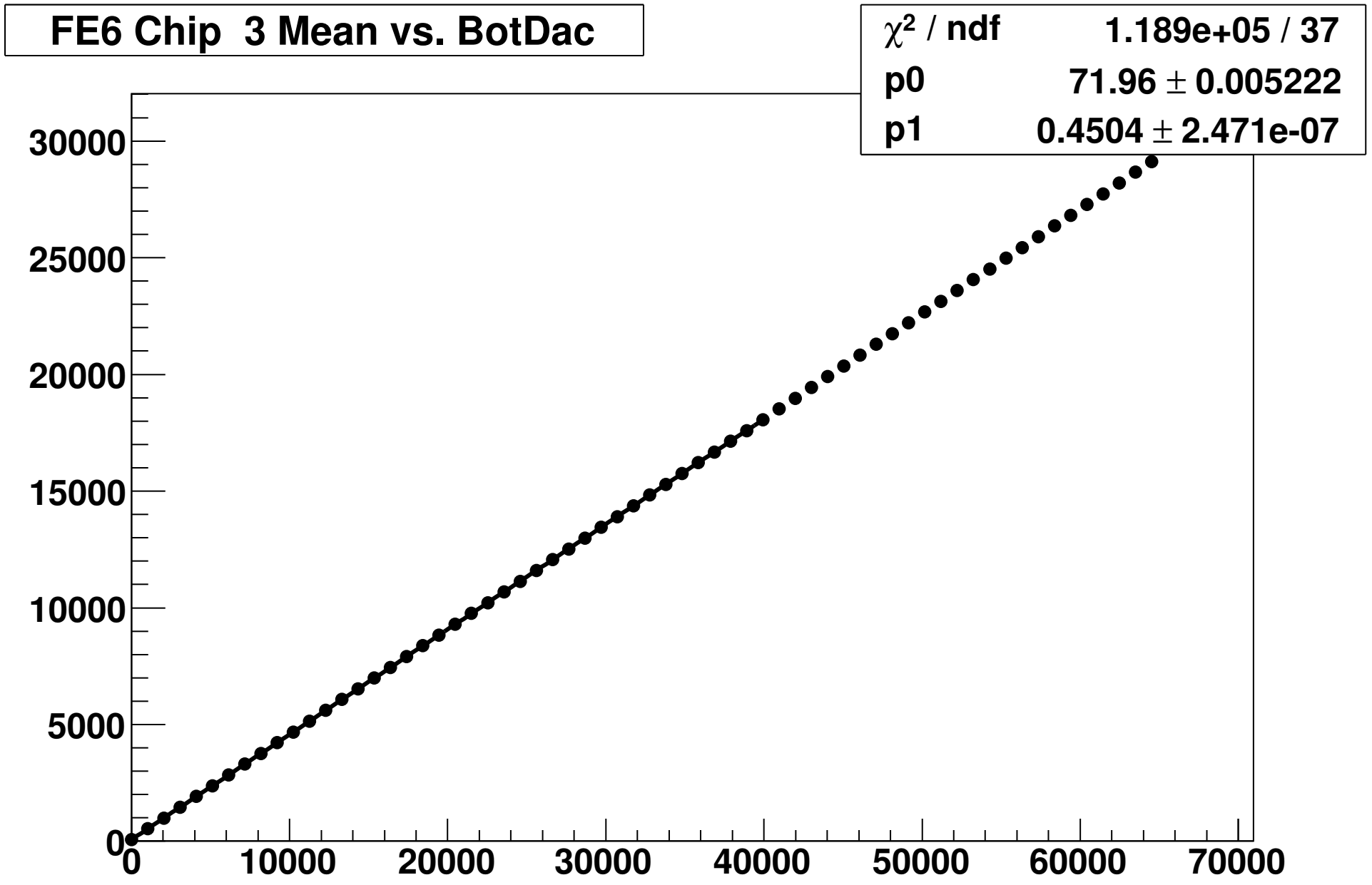
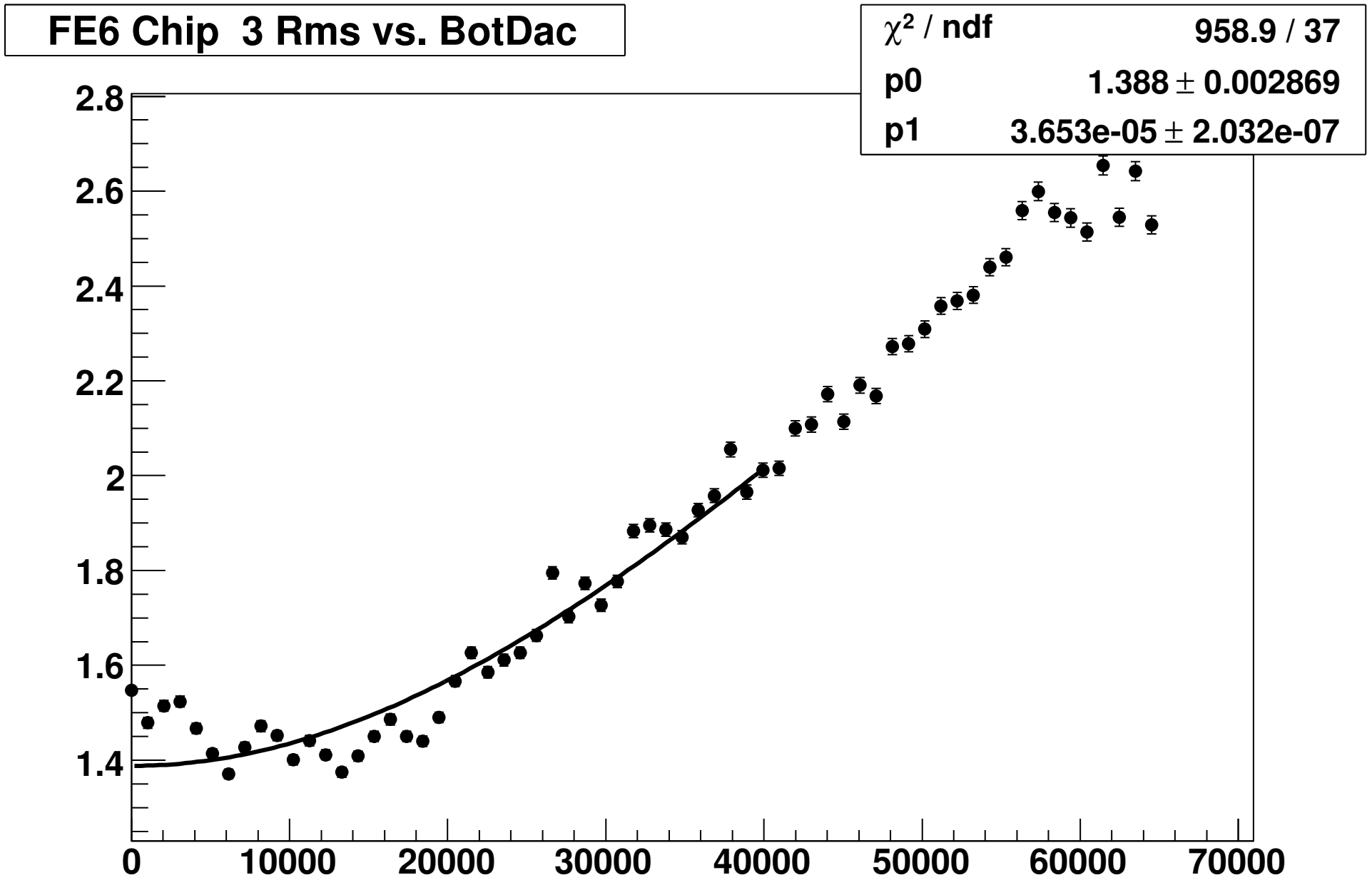
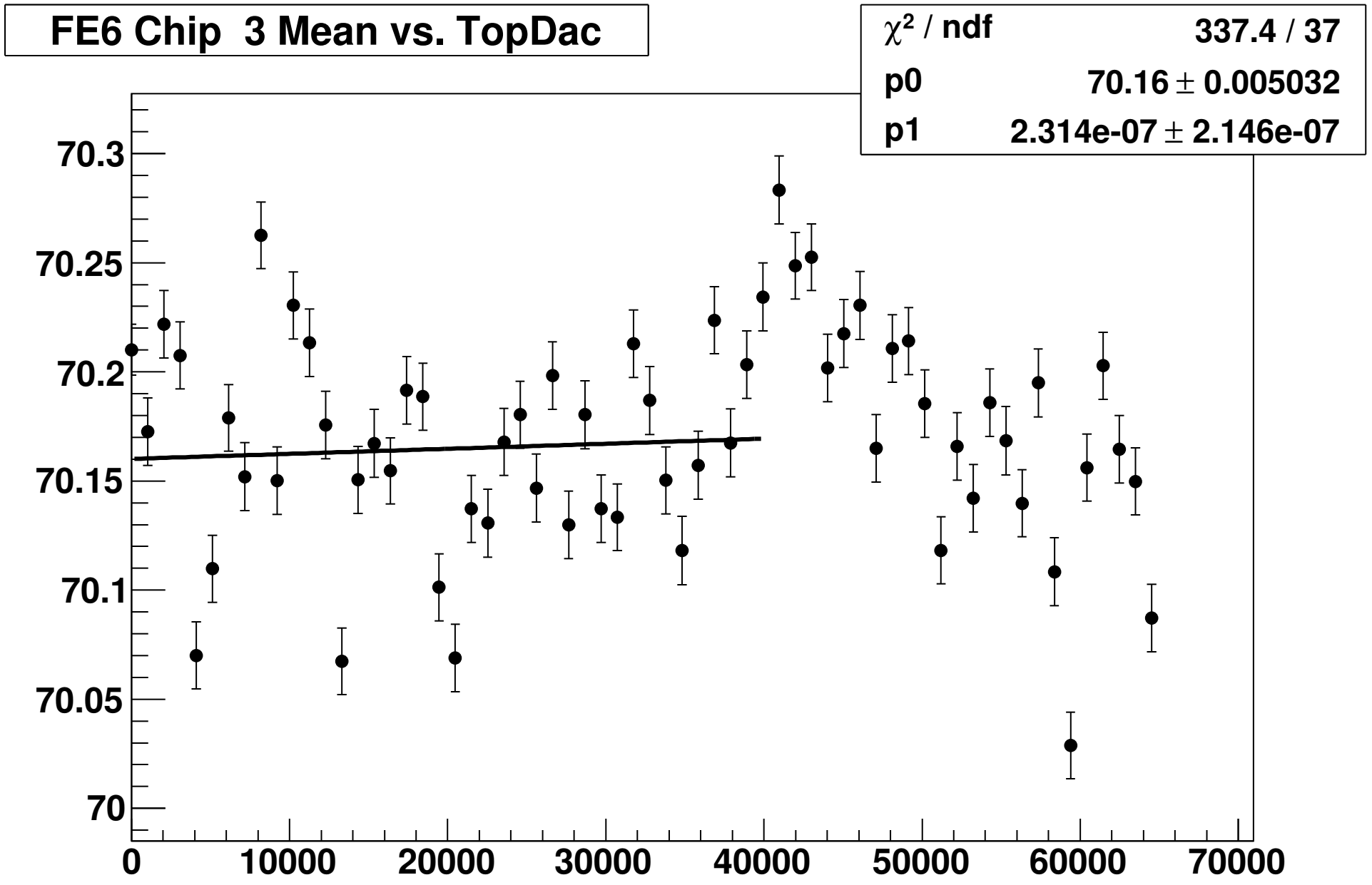
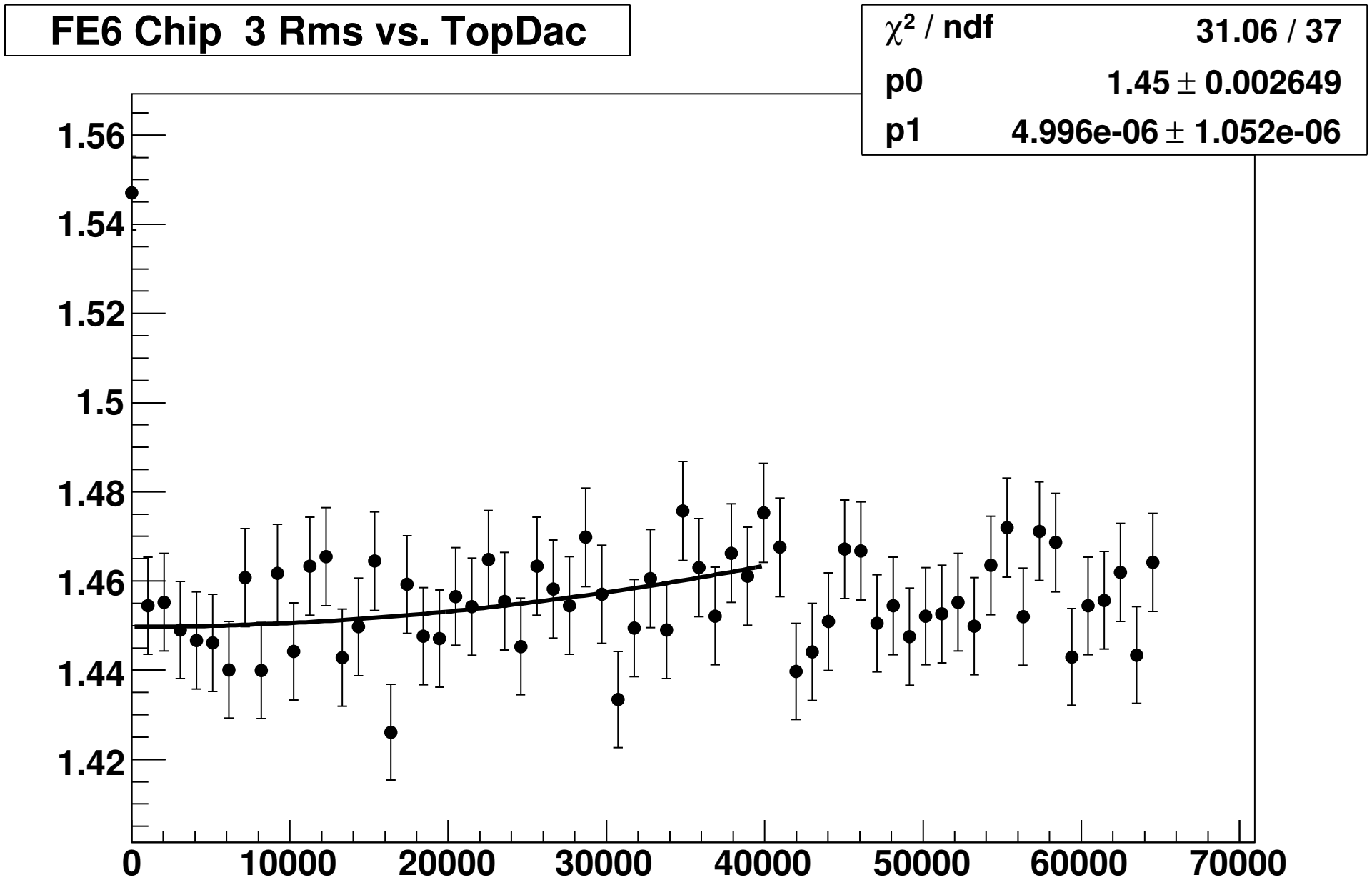
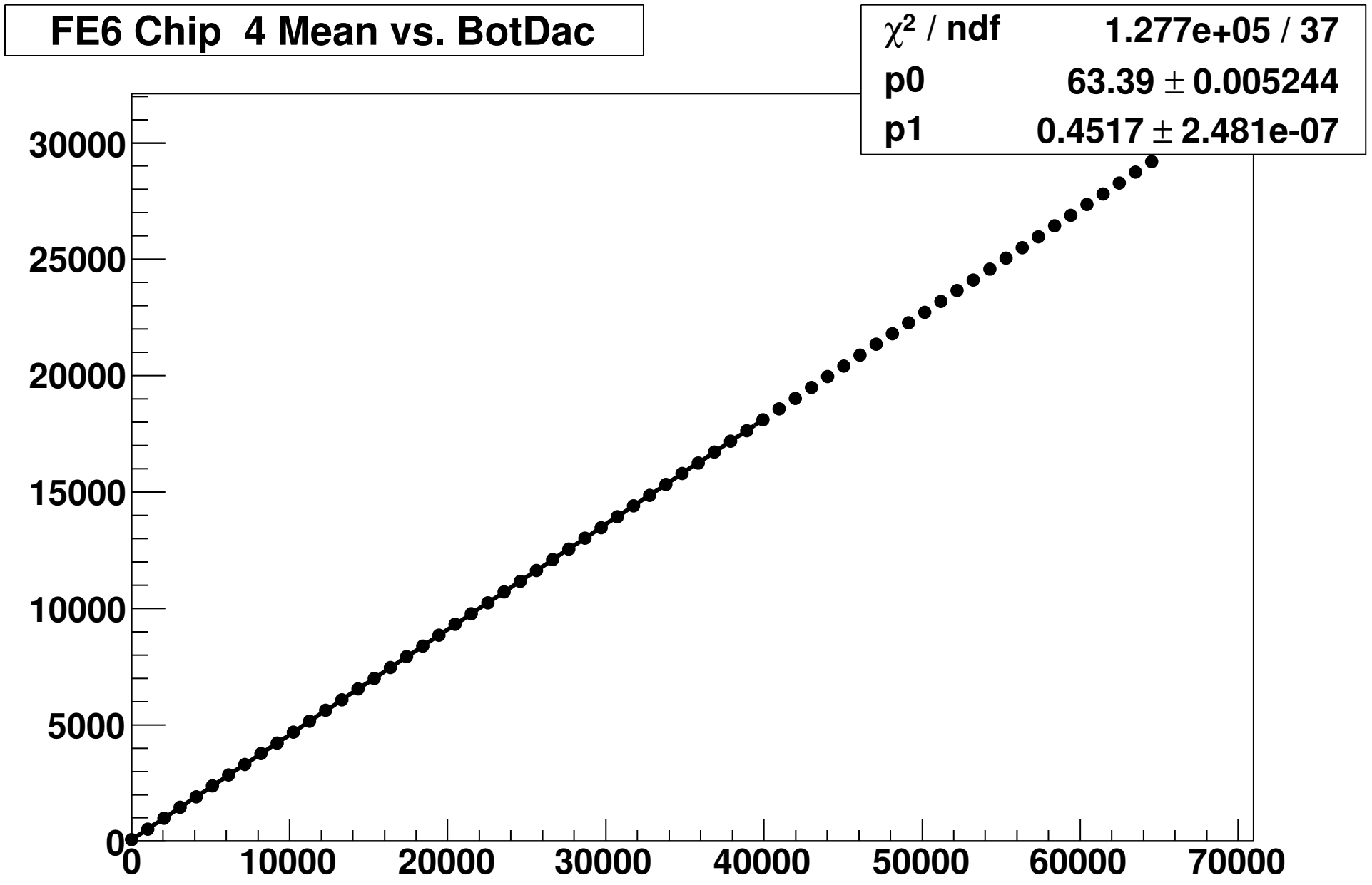
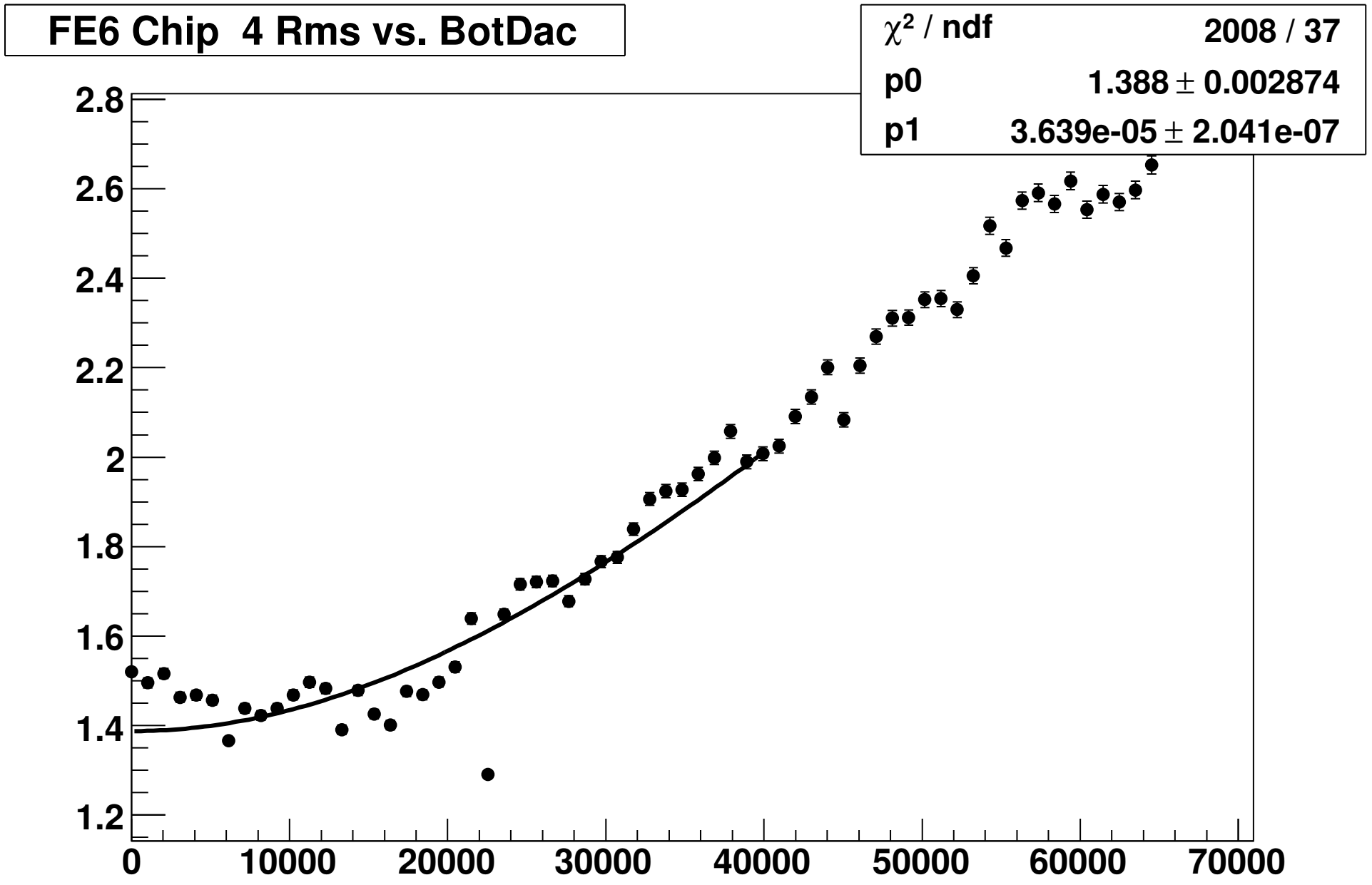

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.189e+05 / 37
p0 71.96 ± 0.005222
p1 0.4504 ± 2.471e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

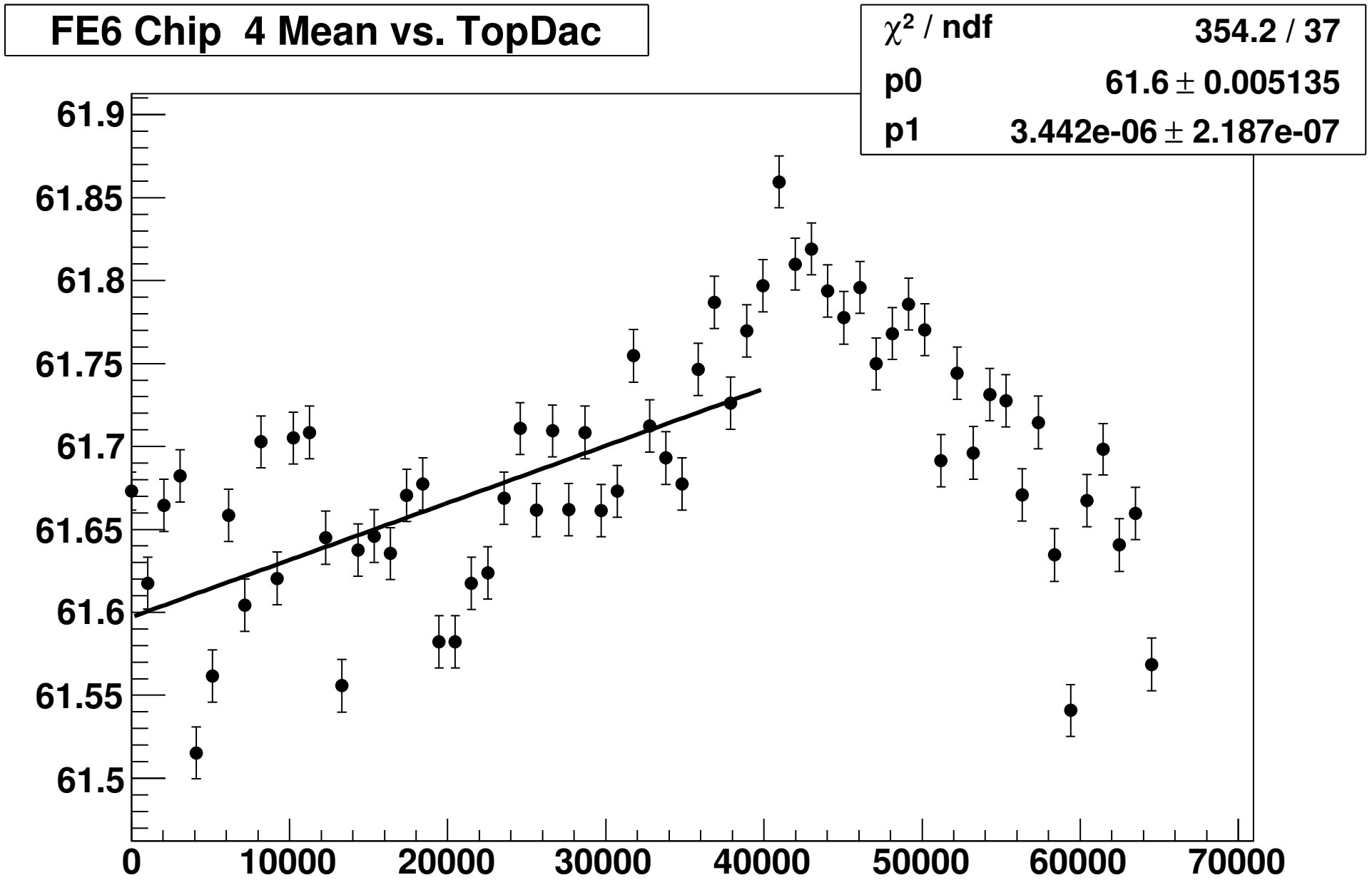

FE6 Chip 3 Rms vs. BotDac
χ² / ndf 958.9 / 37
p0 1.388 ± 0.002869
p1 3.653e-05 ± 2.032e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

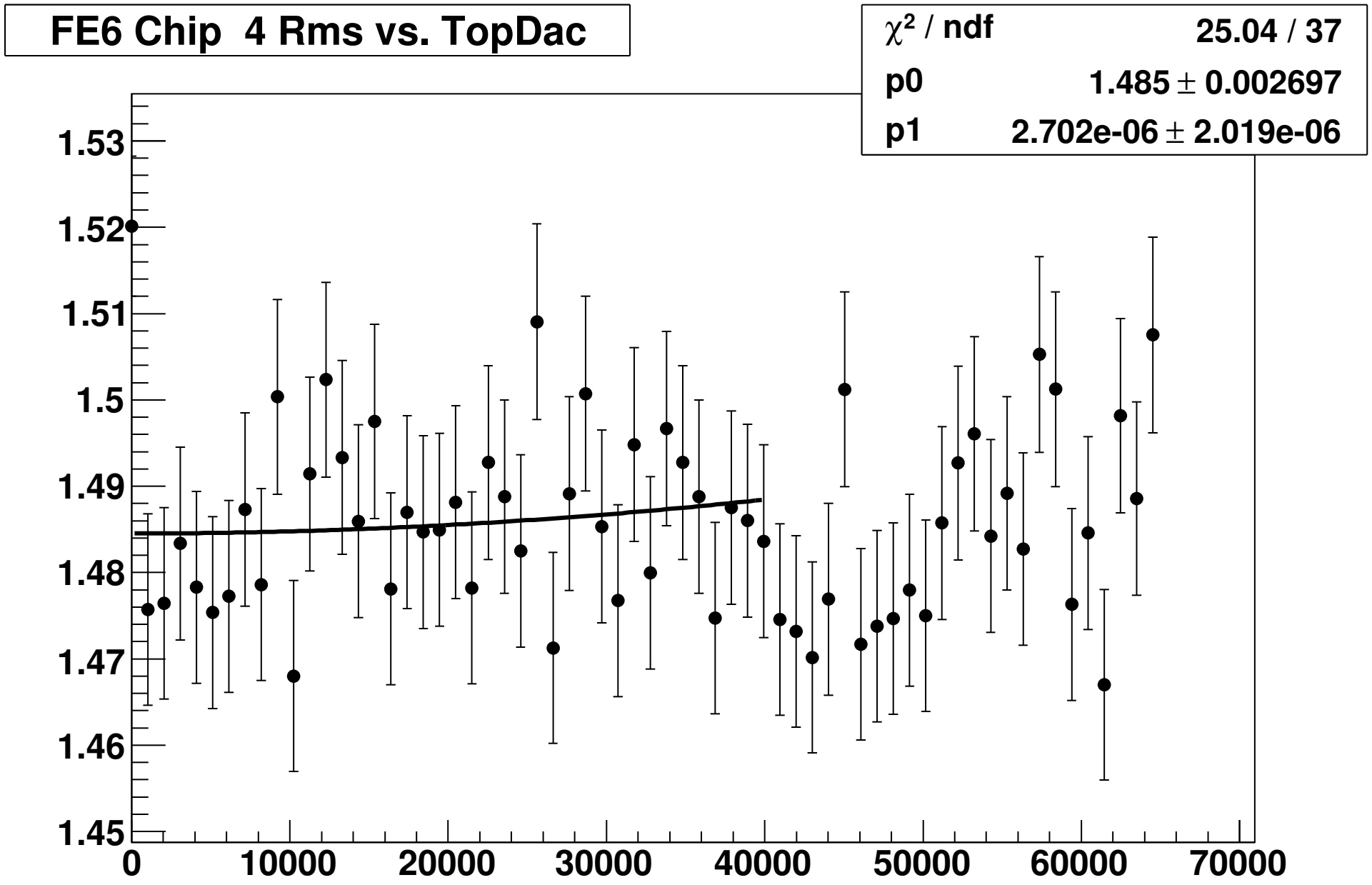

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 337.4 / 37
p0 70.16 ± 0.005032
p1 2.314e-07 ± 2.146e-07
70.3
70.25
70.2
70.15
70.1
70.05
70
0
10000
20000
30000
40000
50000
60000
70000

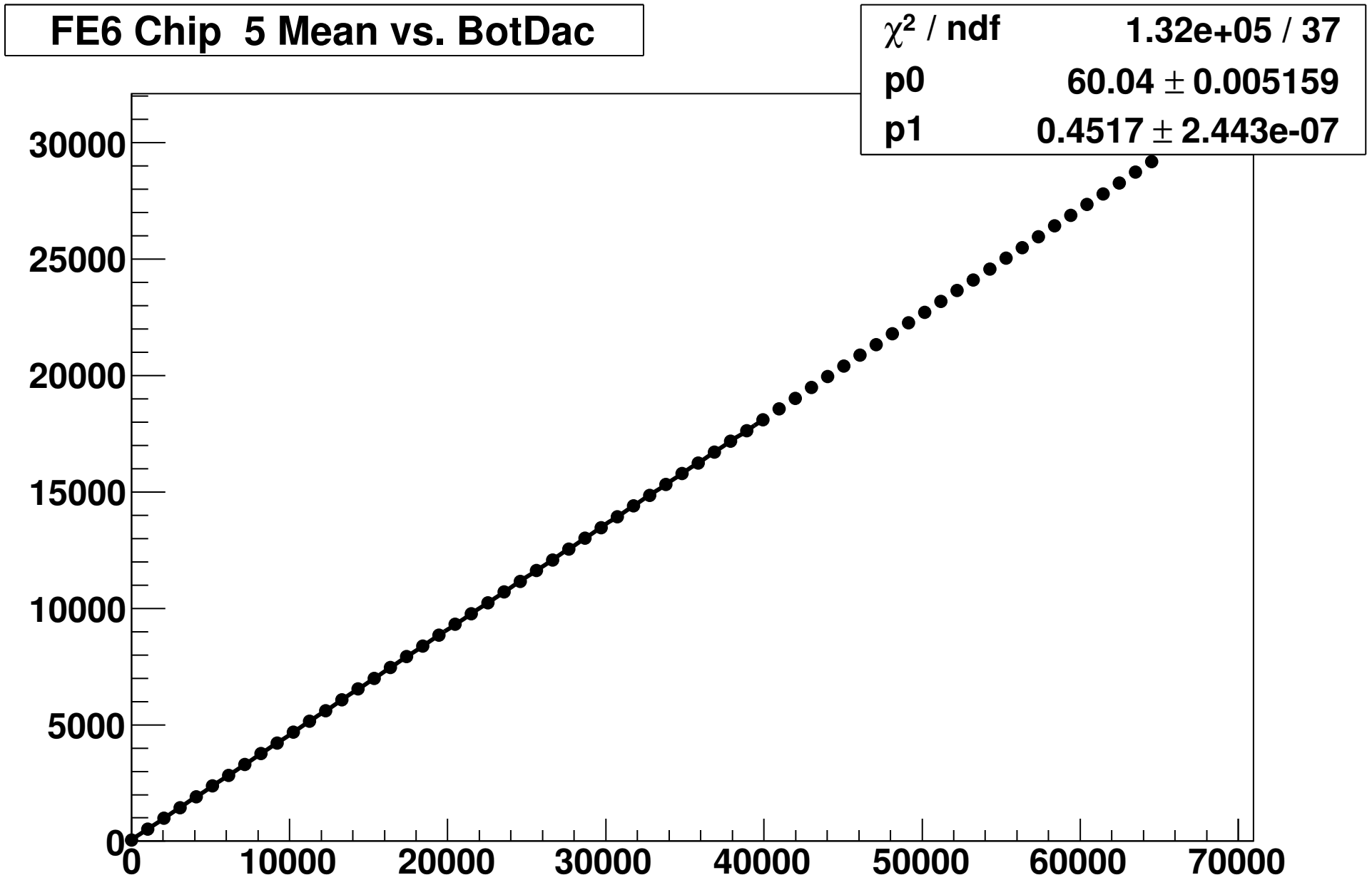

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 31.06 / 37
p0 1.45 ± 0.002649
p1 4.996e-06 ± 1.052e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

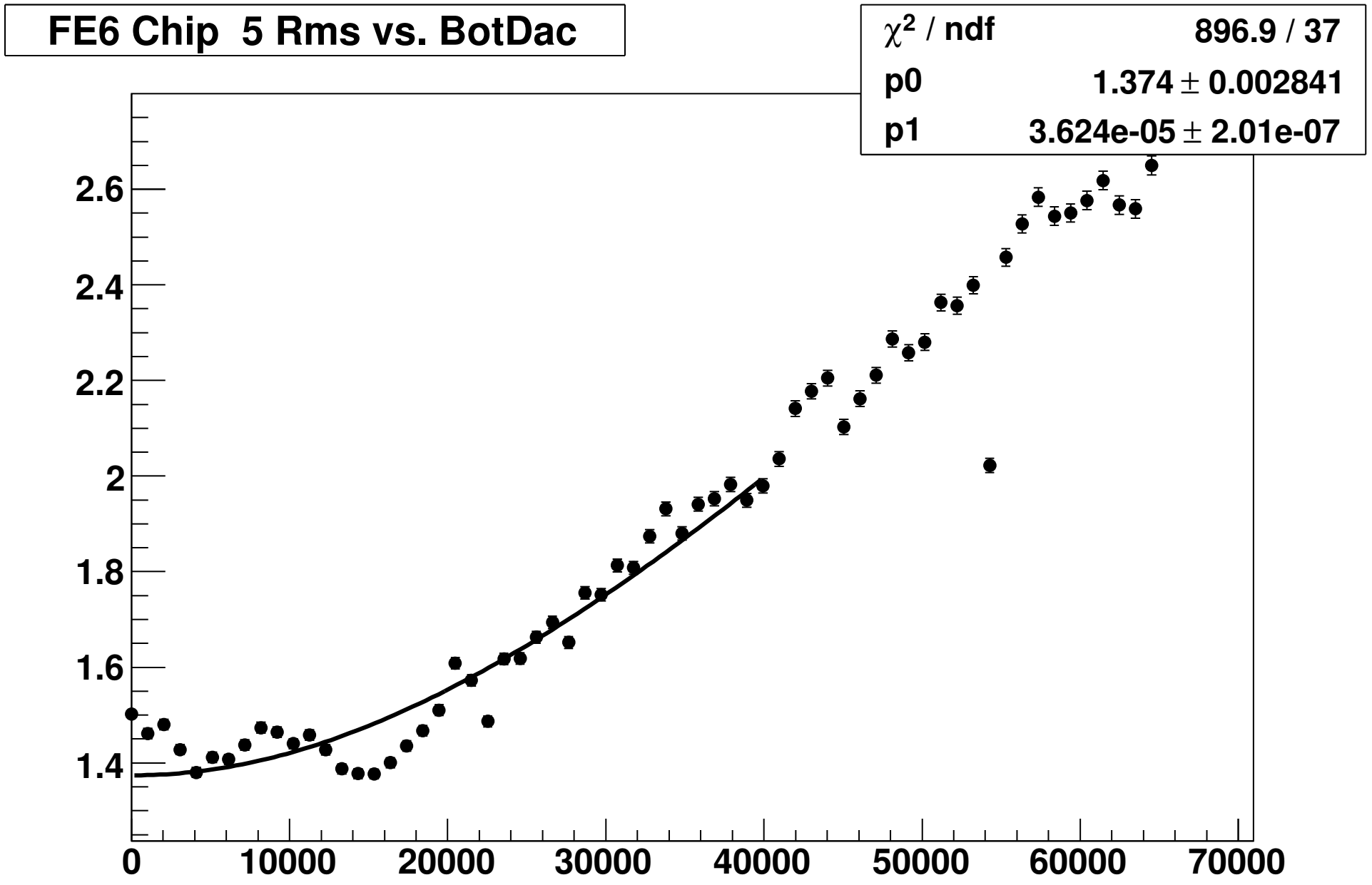

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.277e+05 / 37
p0 63.39 ± 0.005244
p1 0.4517 ± 2.481e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

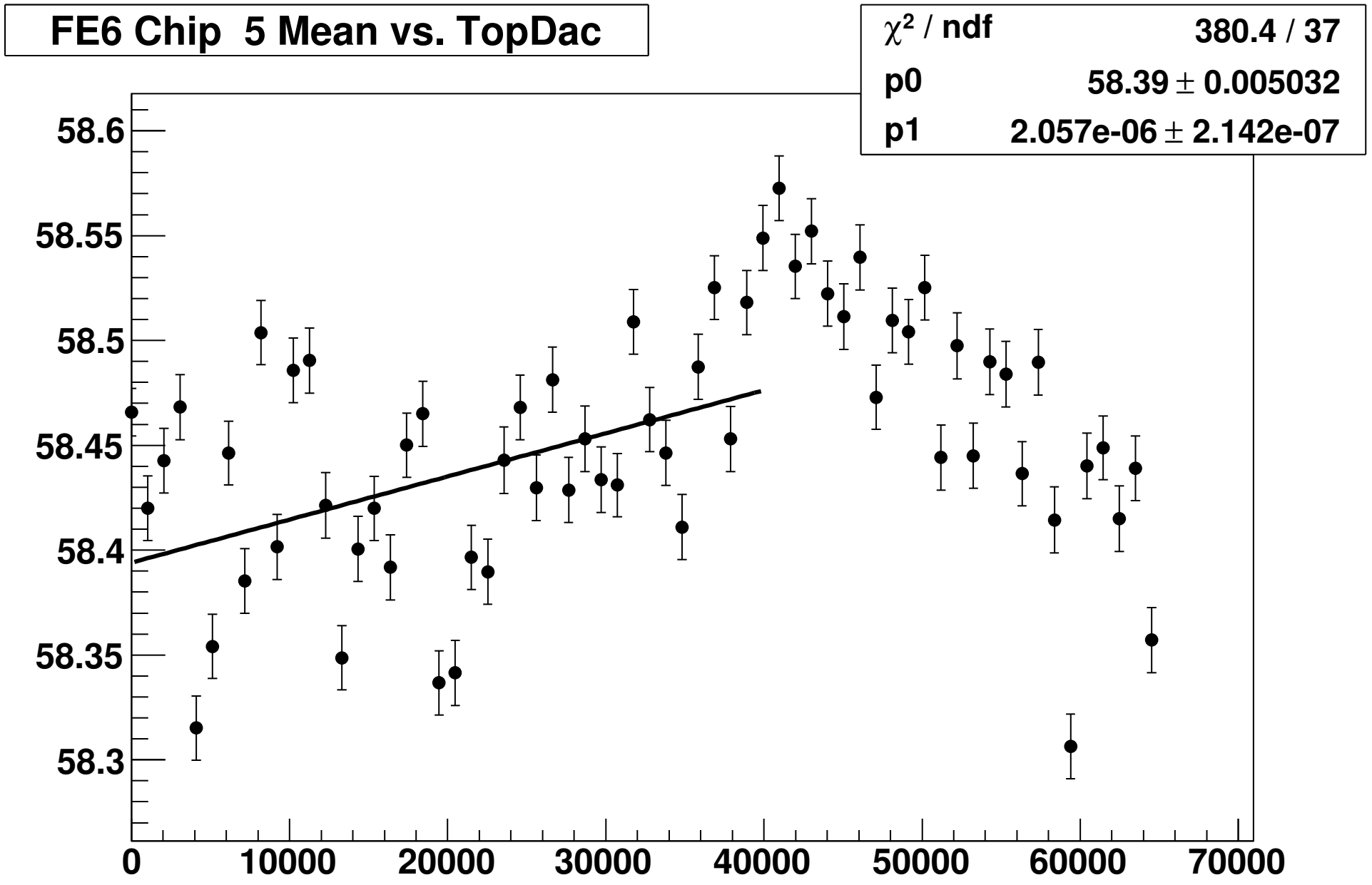

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 2008 / 37
p0 1.388 ± 0.002874
p1 3.639e-05 ± 2.041e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

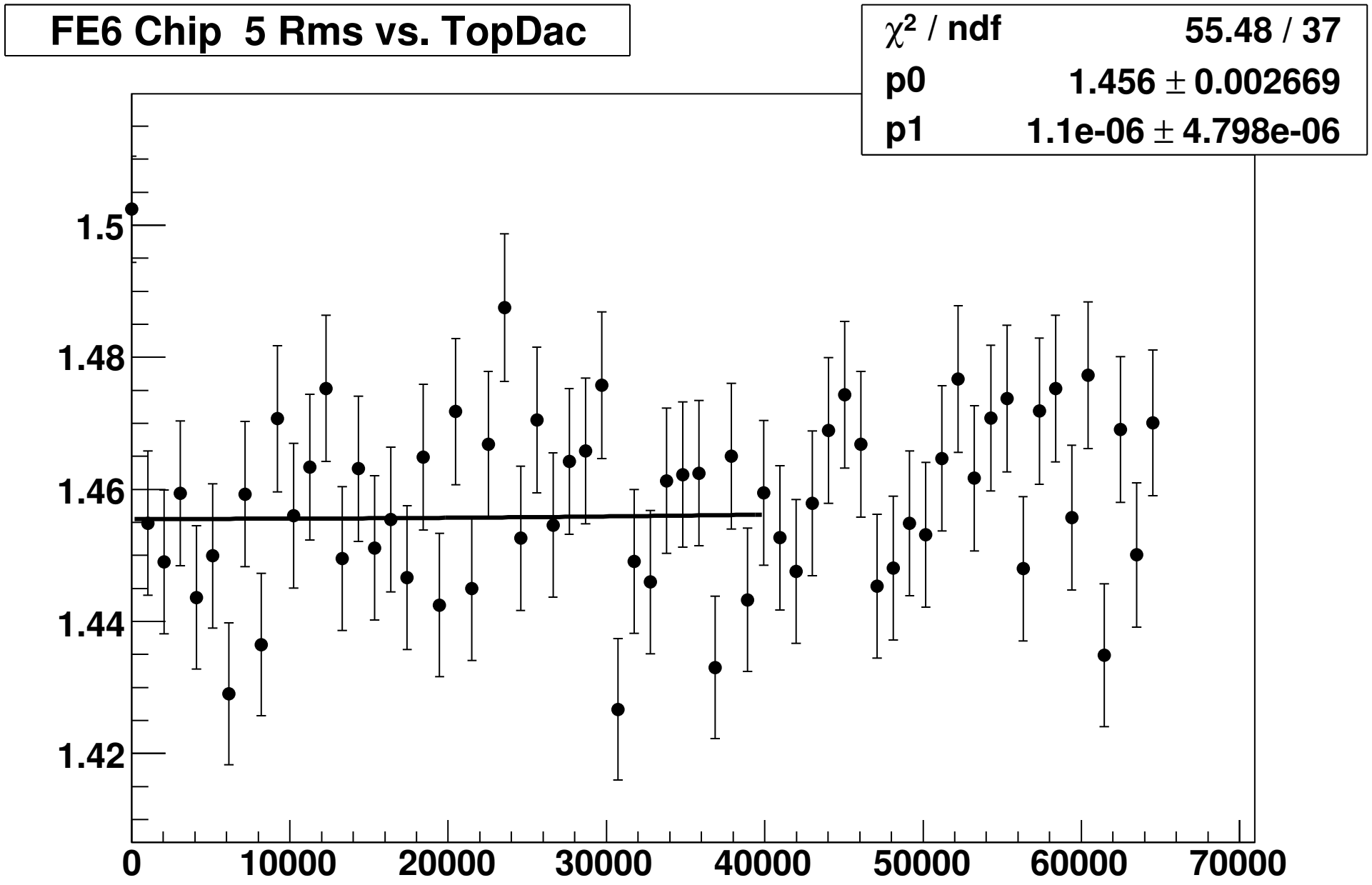

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 354.2 / 37
p0 61.6 ± 0.005135
p1 3.442e-06 ± 2.187e-07
61.9
61.85
61.8
61.75
61.7
61.65
61.6
61.55
61.5
0
10000
20000
30000
40000
50000
60000
70000

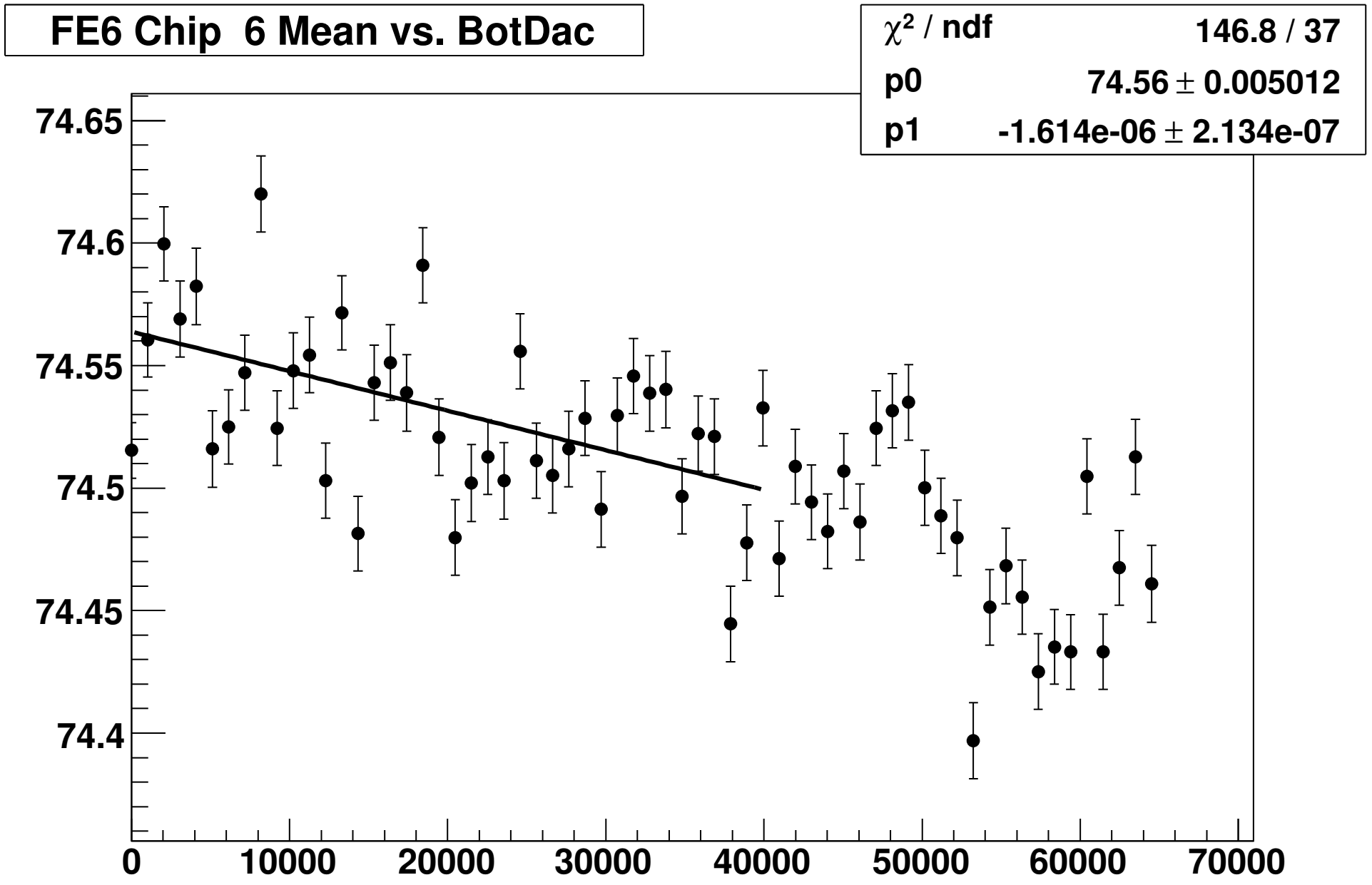

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 25.04 / 37
p0 1.485 ± 0.002697
p1 2.702e-06 ± 2.019e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

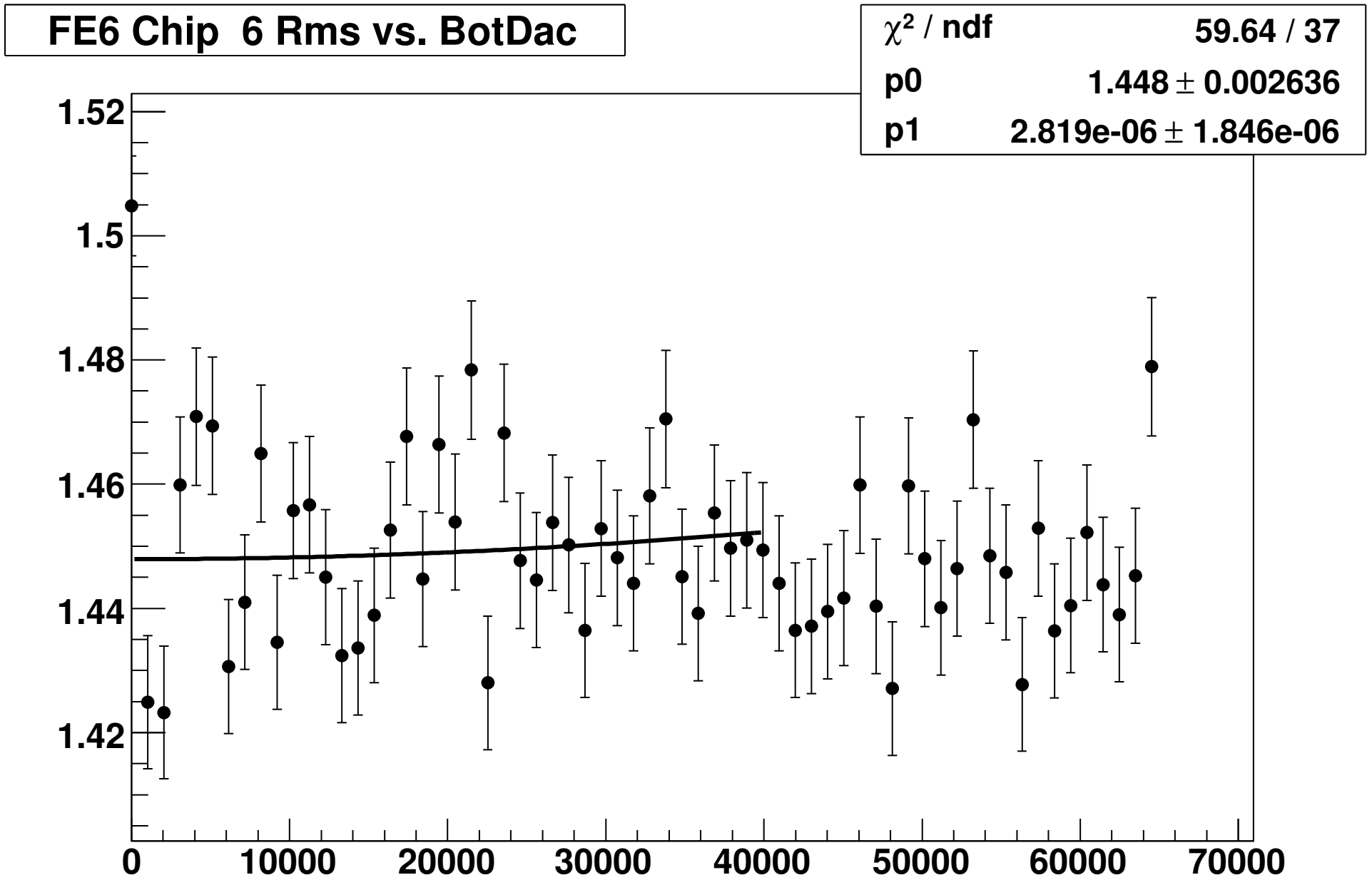

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.32e+05 / 37
p0 60.04 ± 0.005159
p1 0.4517 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

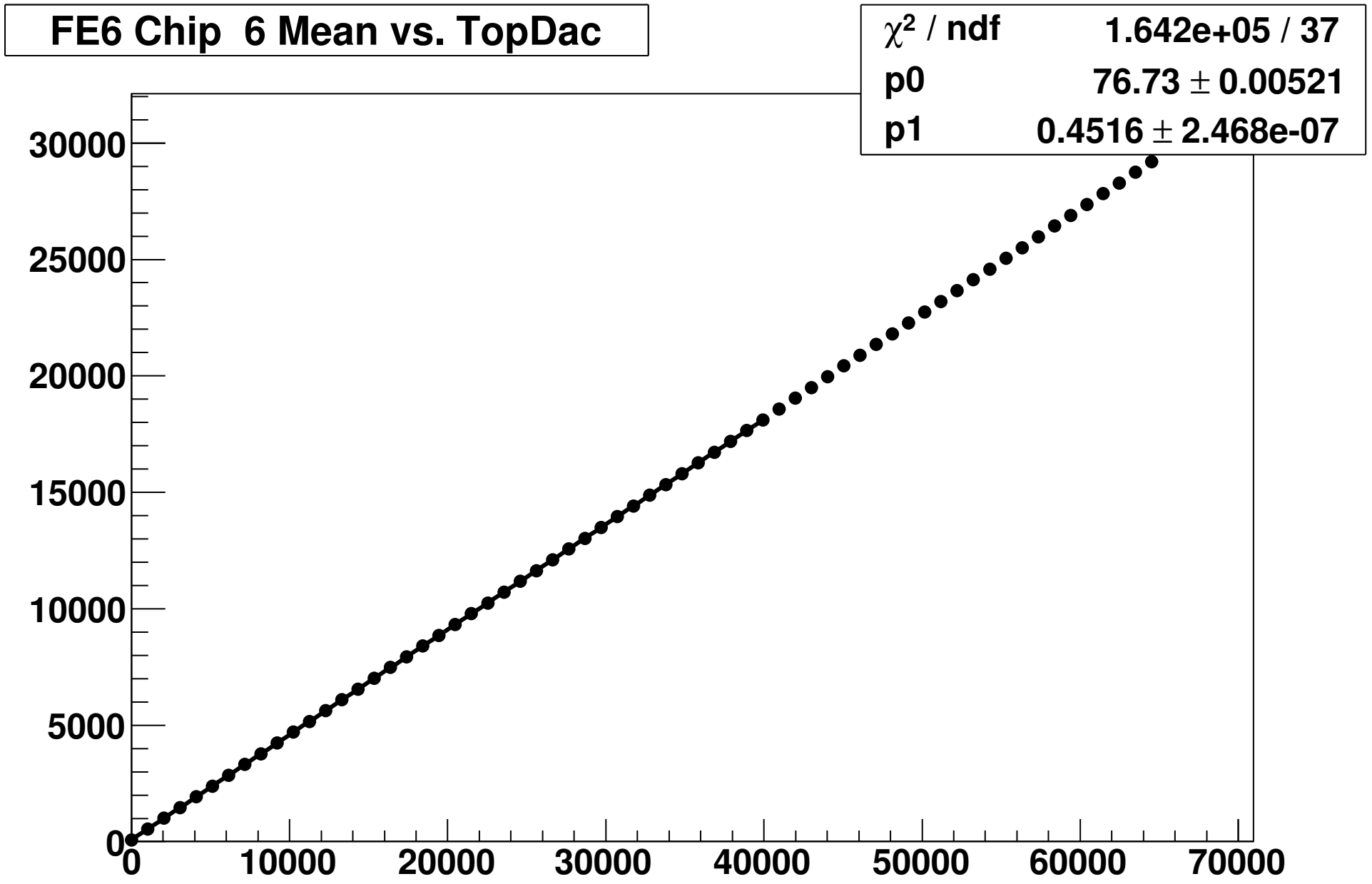

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 896.9 / 37
p0 1.374 ± 0.002841
p1 3.624e-05 ± 2.01e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

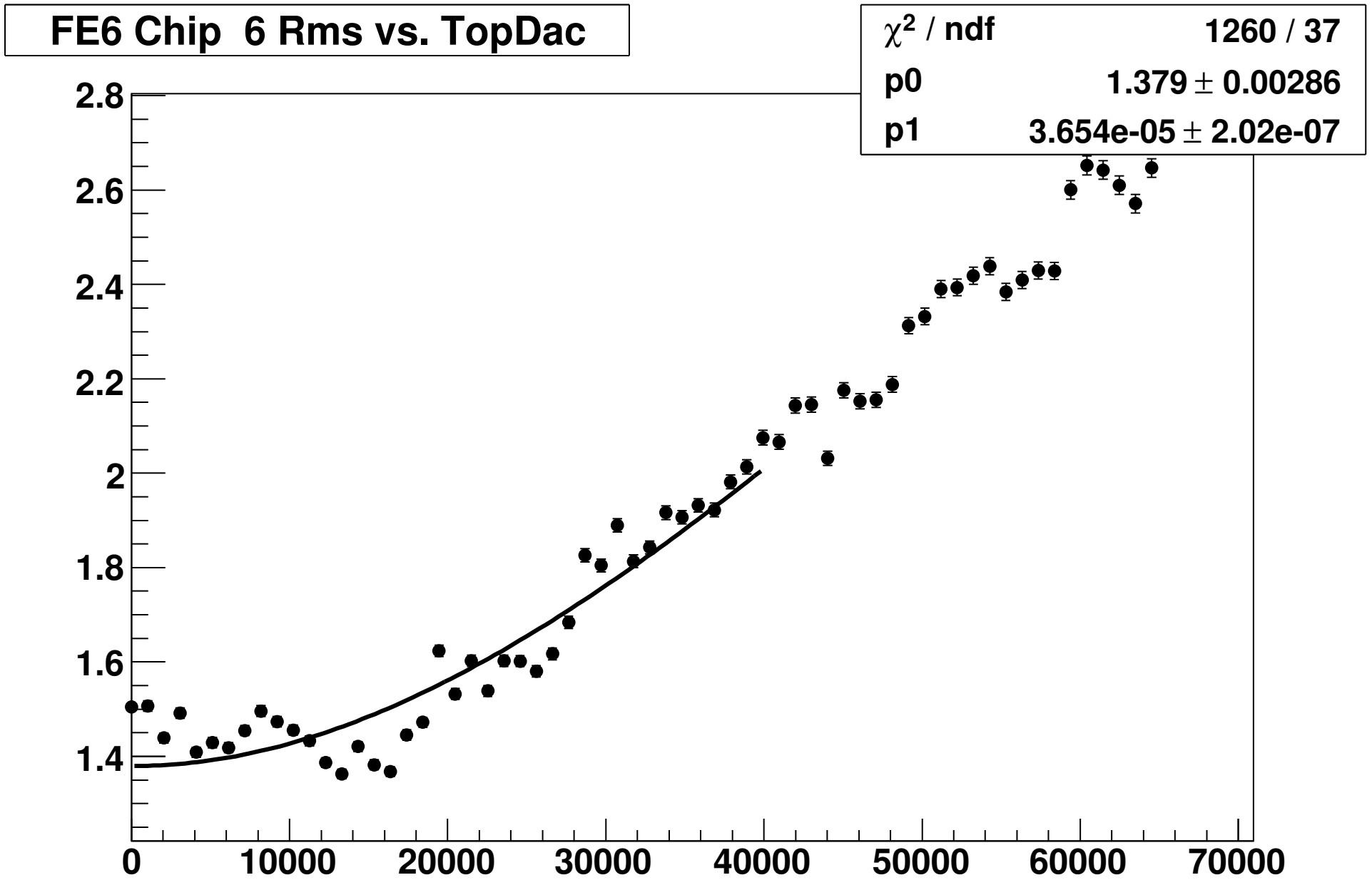

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 380.4 / 37
p0 58.39 ± 0.005032
p1 2.057e-06 ± 2.142e-07
58.6
58.55
58.5
58.45
58.4
58.35
58.3
0
10000
20000
30000
40000
50000
60000
70000

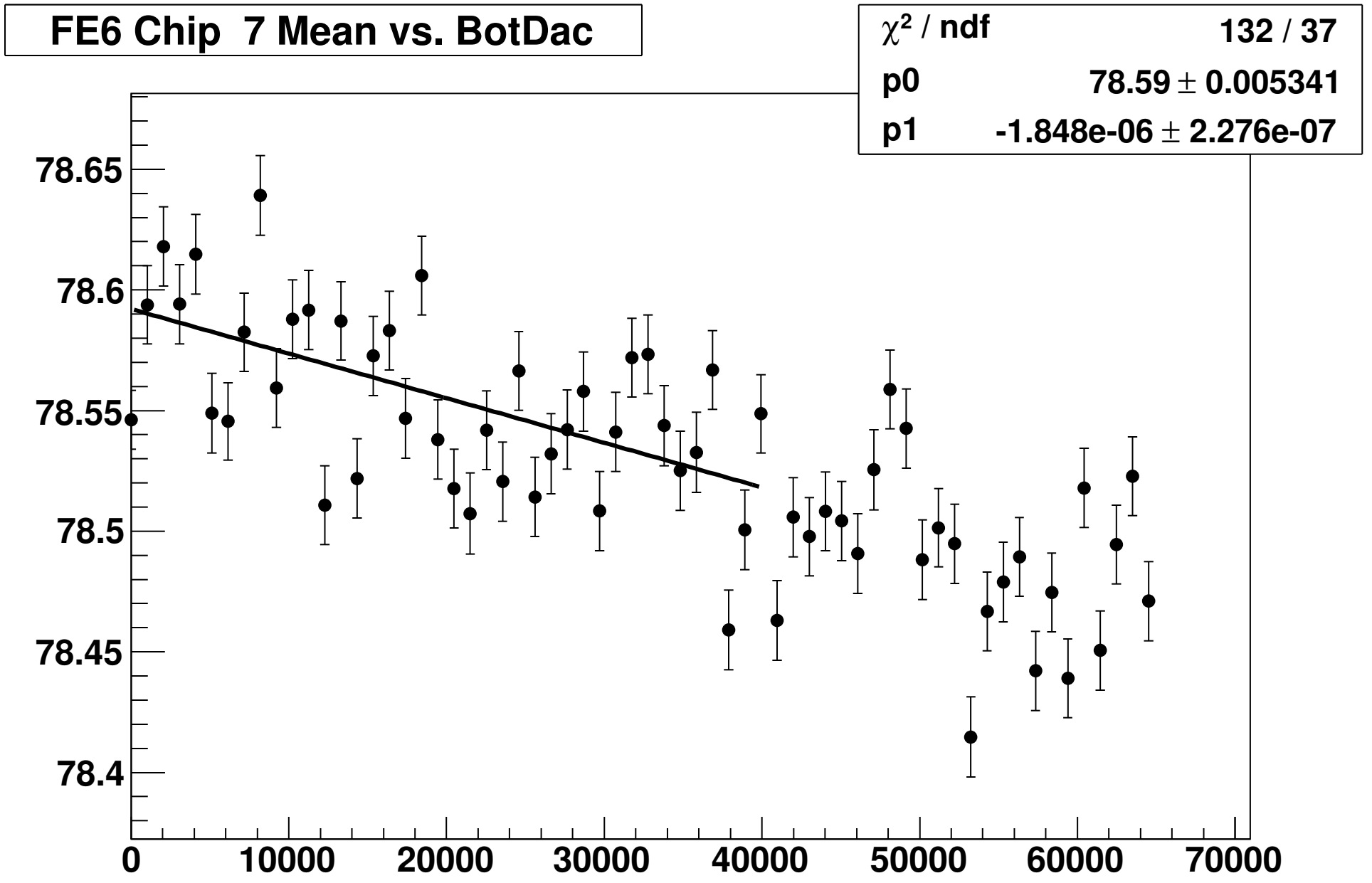

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 55.48 / 37
p0 1.456 ± 0.002669
p1 1.1e-06 ± 4.798e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

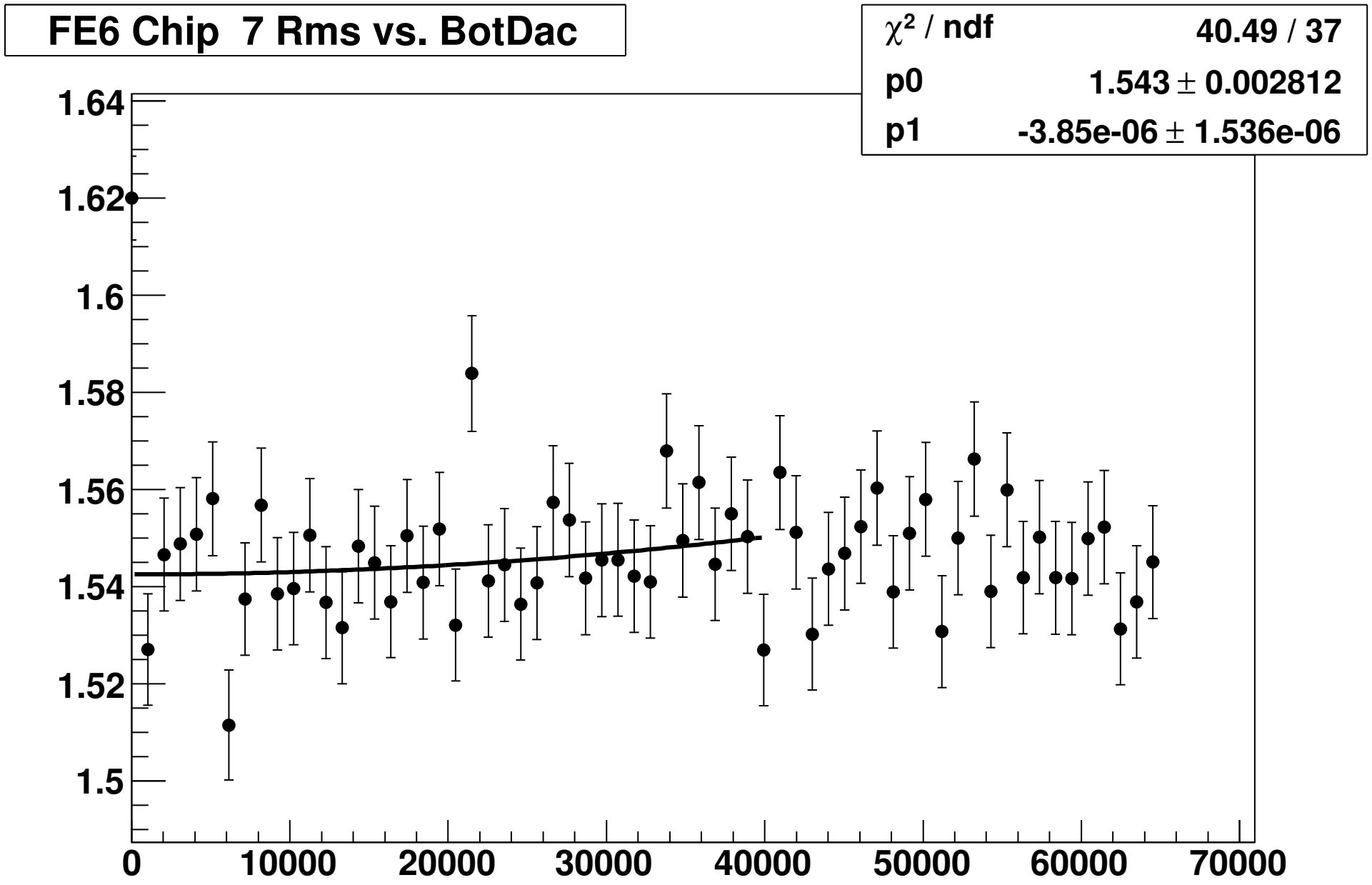

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 146.8 / 37
p0 74.56 ± 0.005012
p1 -1.614e-06 ± 2.134e-07
74.65
74.6
74.55
74.5
74.45
74.4
0
10000
20000
30000
40000
50000
60000
70000

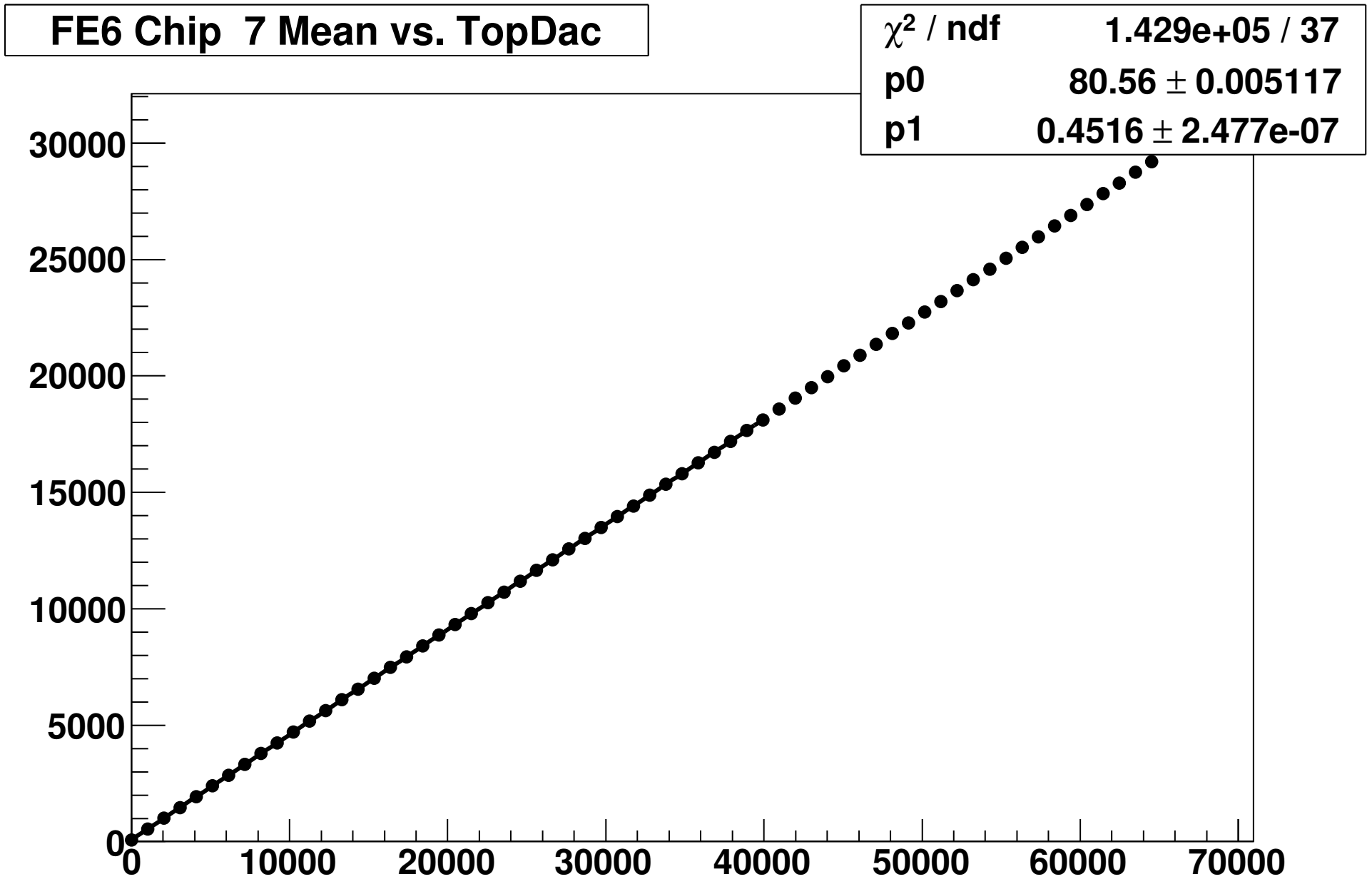

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 59.64 / 37
p0 1.448 ± 0.002636
p1 2.819e-06 ± 1.846e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

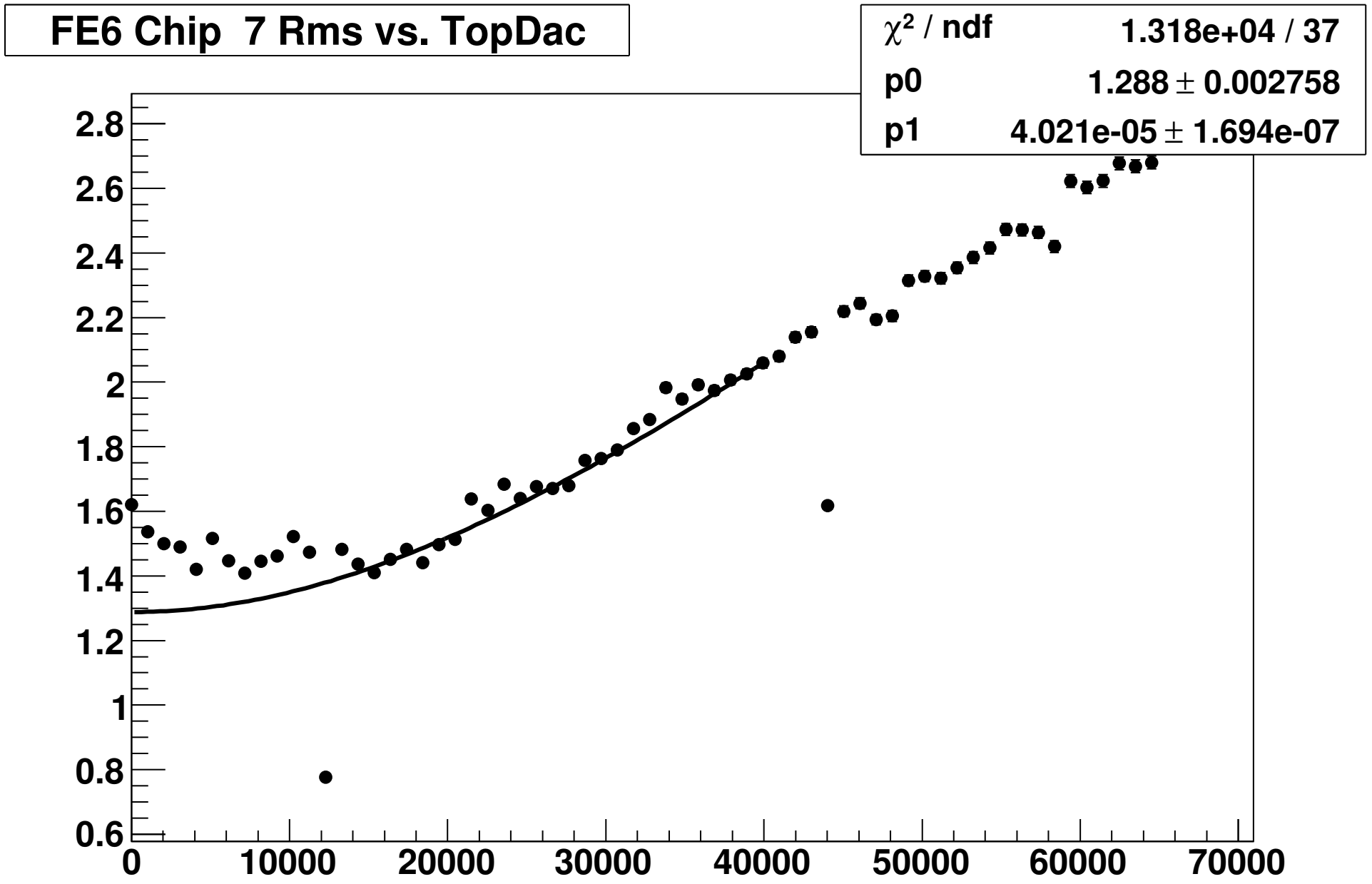

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.642e+05 / 37
p0 76.73 ± 0.00521
p1 0.4516 ± 2.468e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1260 / 37
p0 1.379 ± 0.00286
p1 3.654e-05 ± 2.02e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 132 / 37
p0 78.59 ± 0.005341
p1 -1.848e-06 ± 2.276e-07
78.65
78.6
78.55
78.5
78.45
78.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 40.49 / 37
p0 1.543 ± 0.002812
p1 -3.85e-06 ± 1.536e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.429e+05 / 37
p0 80.56 ± 0.005117
p1 0.4516 ± 2.477e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1.318e+04 / 37
p0 1.288 ± 0.002758
p1 4.021e-05 ± 1.694e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
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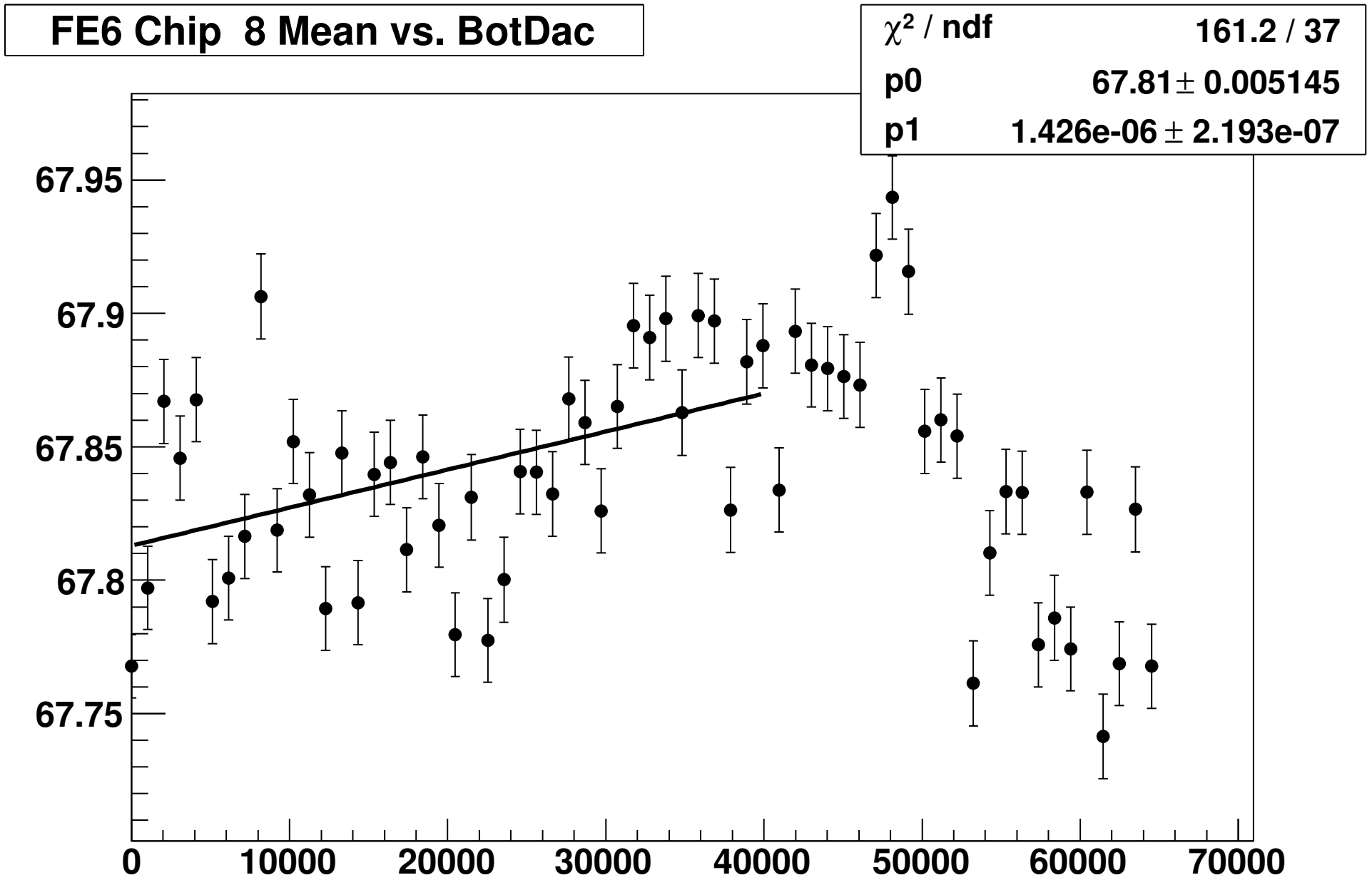
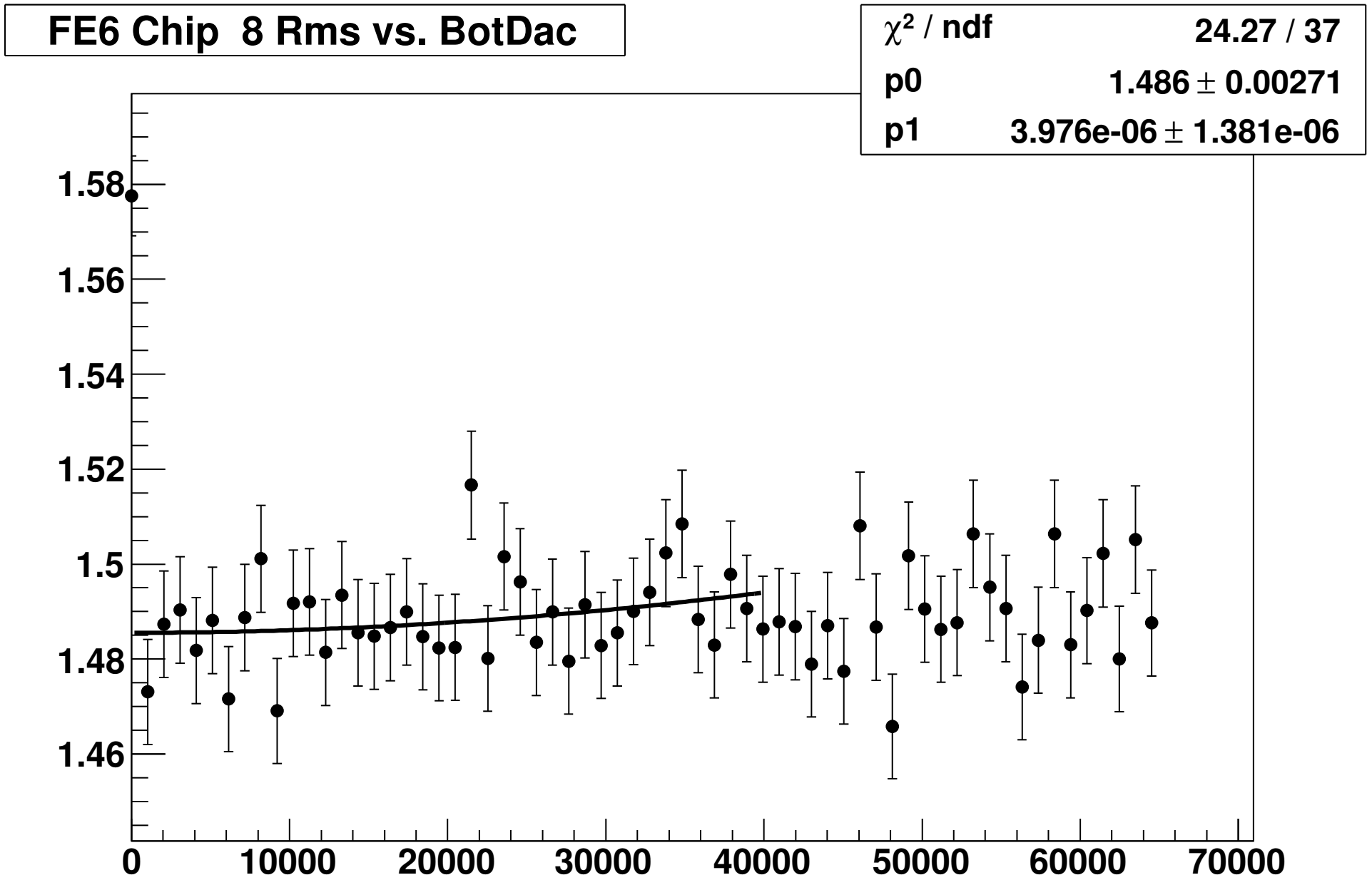
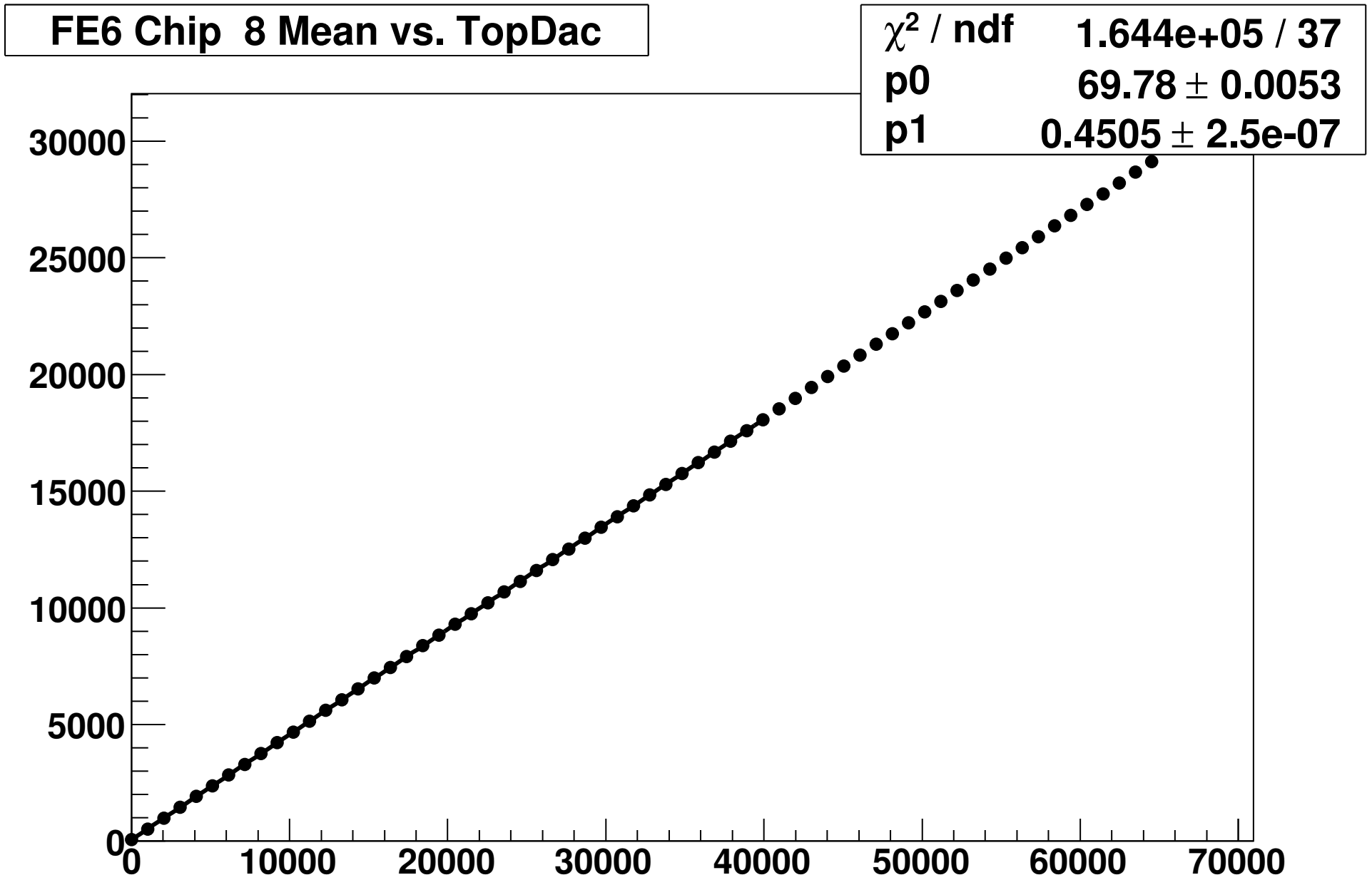
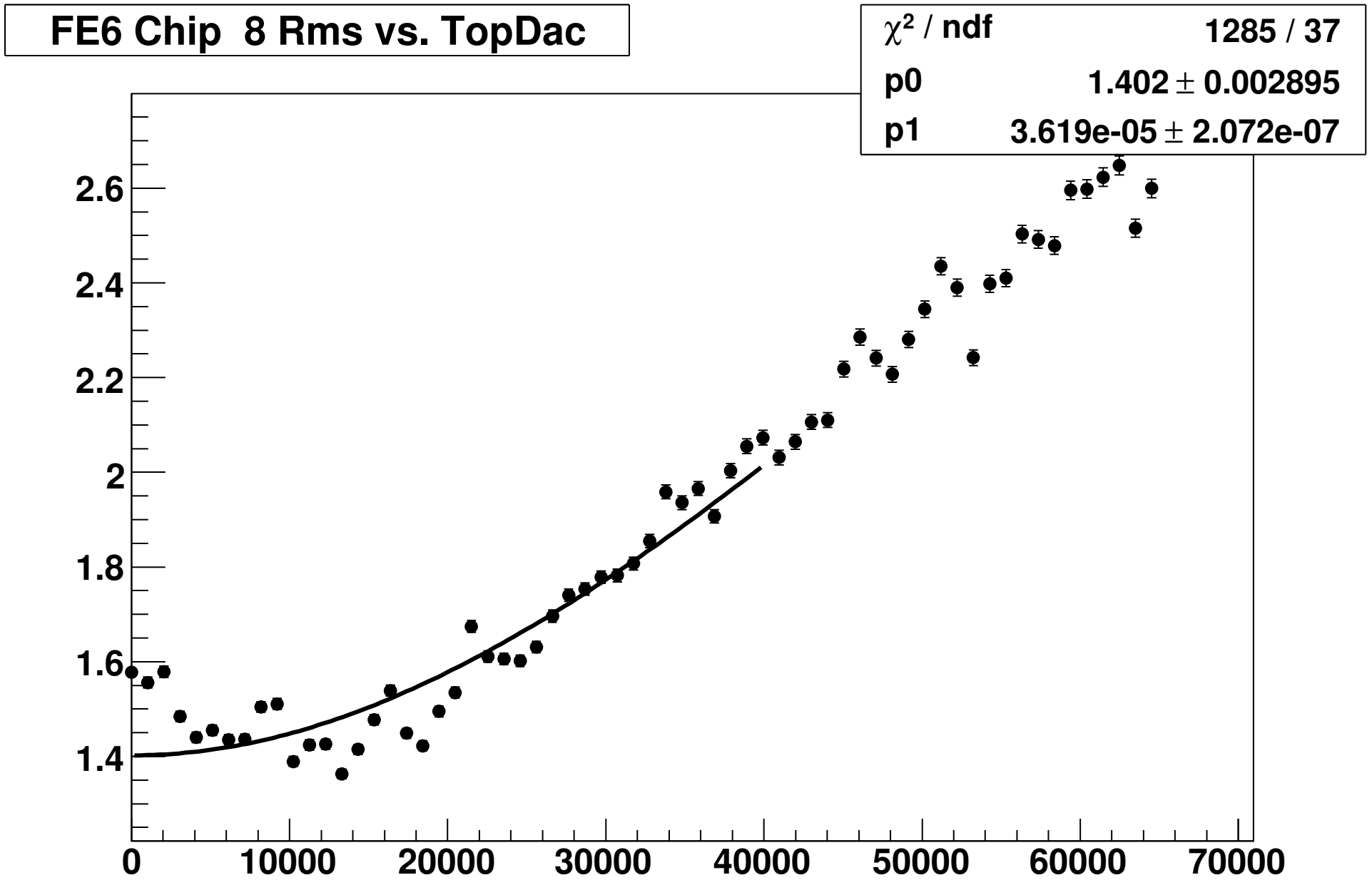
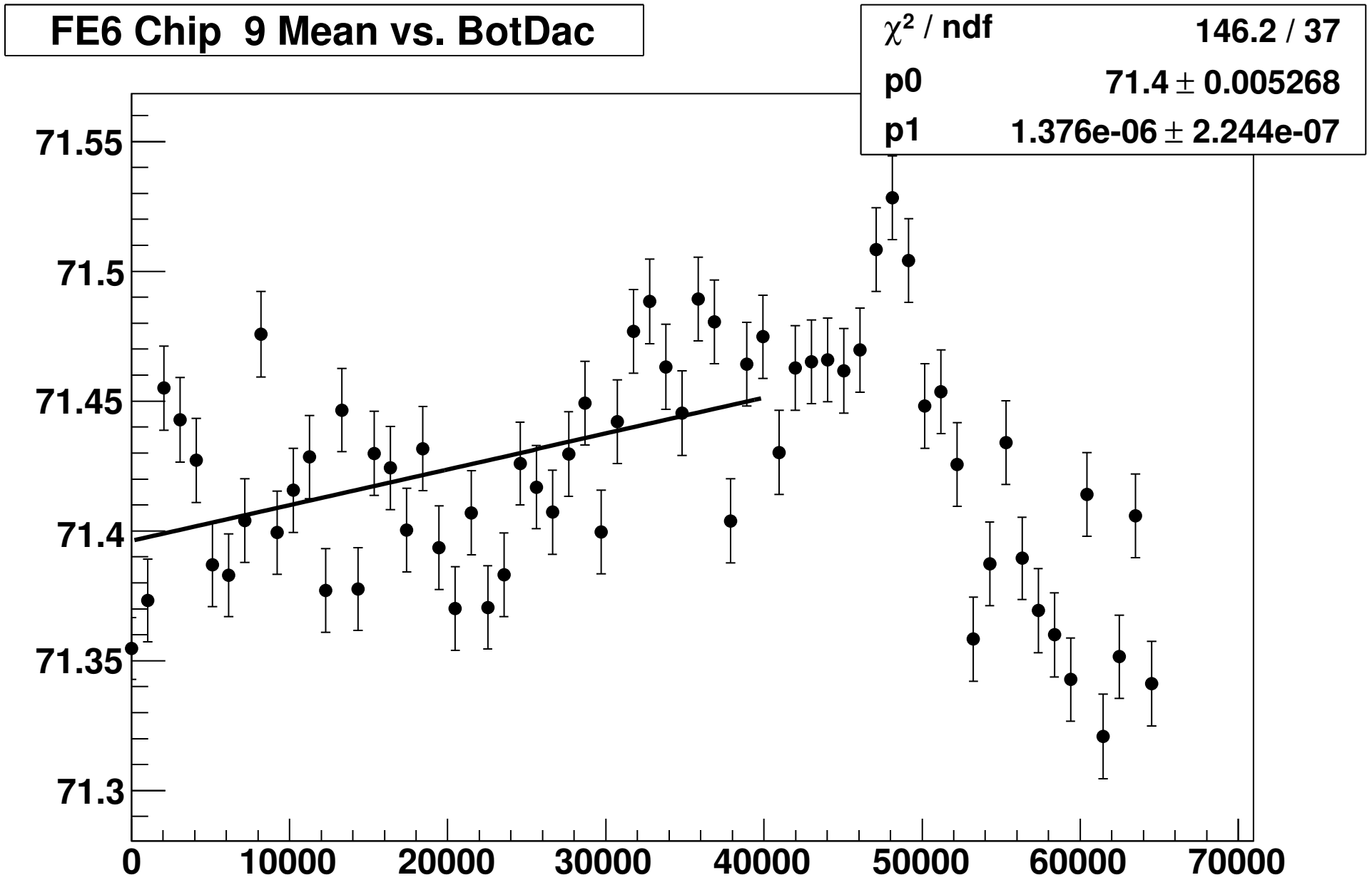
40000
50000
60000
70000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 161.2 / 37
p0 67.81 ± 0.005145
p1 1.426e-06 ± 2.193e-07
67.95
67.9
67.85
67.8
67.75
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 24.27 / 37
p0 1.486 ± 0.00271
p1 3.976e-06 ± 1.381e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.644e+05 / 37
p0 69.78 ± 0.0053
p1 0.4505 ± 2.5e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 1285 / 37
p0 1.402 ± 0.002895
p1 3.619e-05 ± 2.072e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 146.2 / 37
p0 71.4 ± 0.005268
p1 1.376e-06 ± 2.244e-07
71.55
71.5
71.45
71.4
71.35
71.3
0
10000
20000
30000
40000
50000
60000
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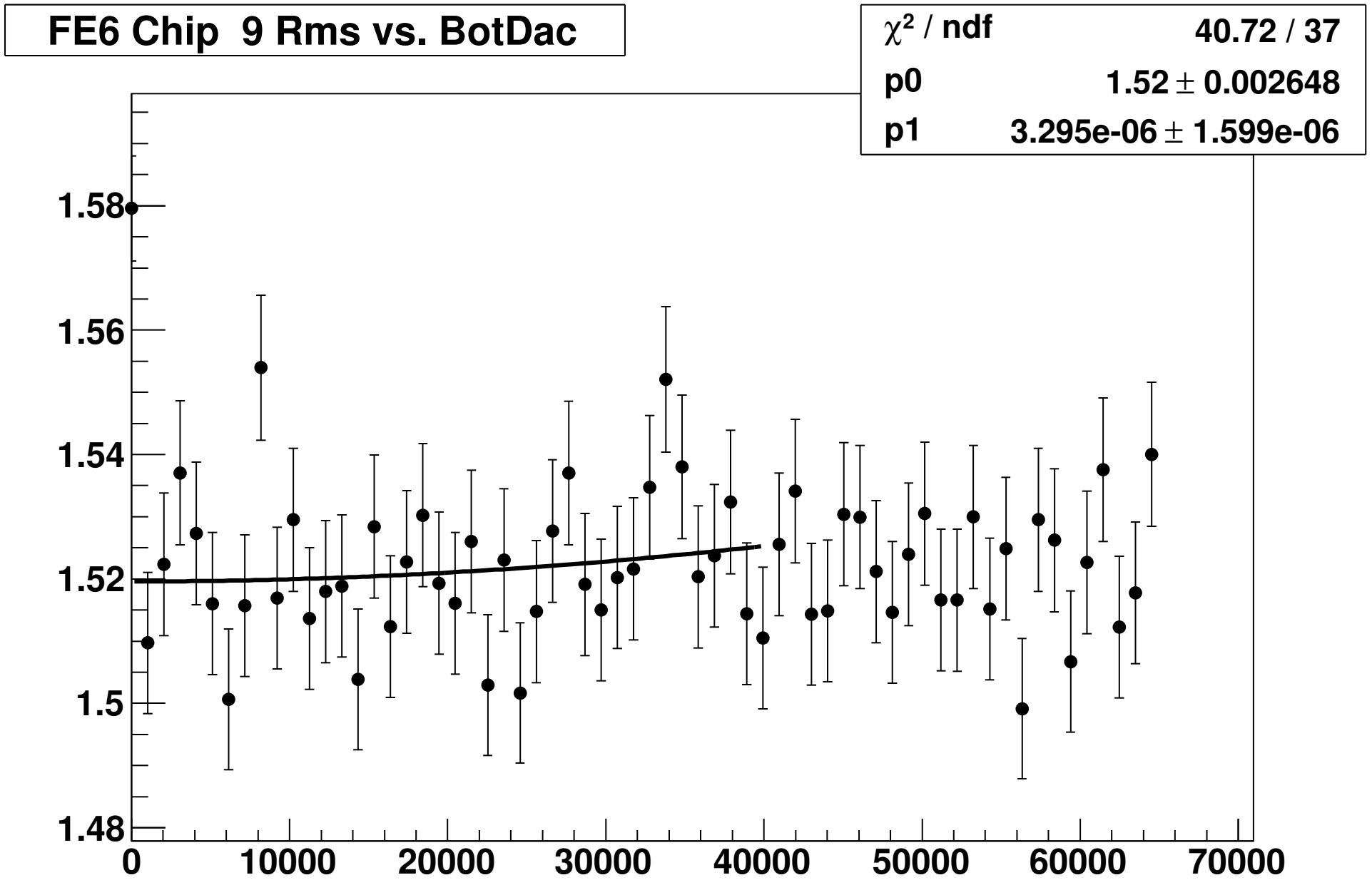
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 40.72 / 37
p0 1.52 ± 0.002648
p1 3.295e-06 ± 1.599e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
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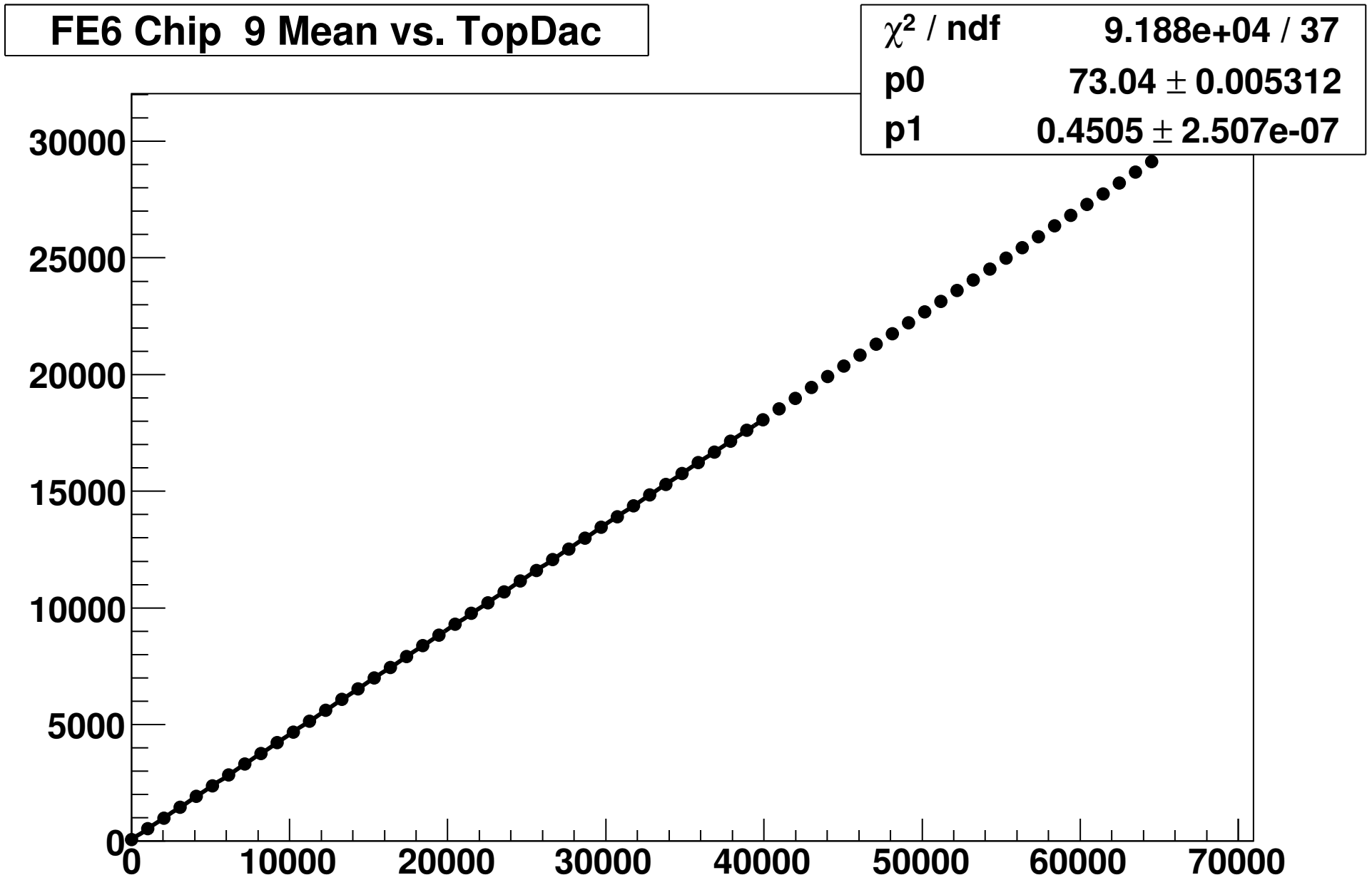
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 9.188e+04 / 37
p0 73.04 ± 0.005312
p1 0.4505 ± 2.507e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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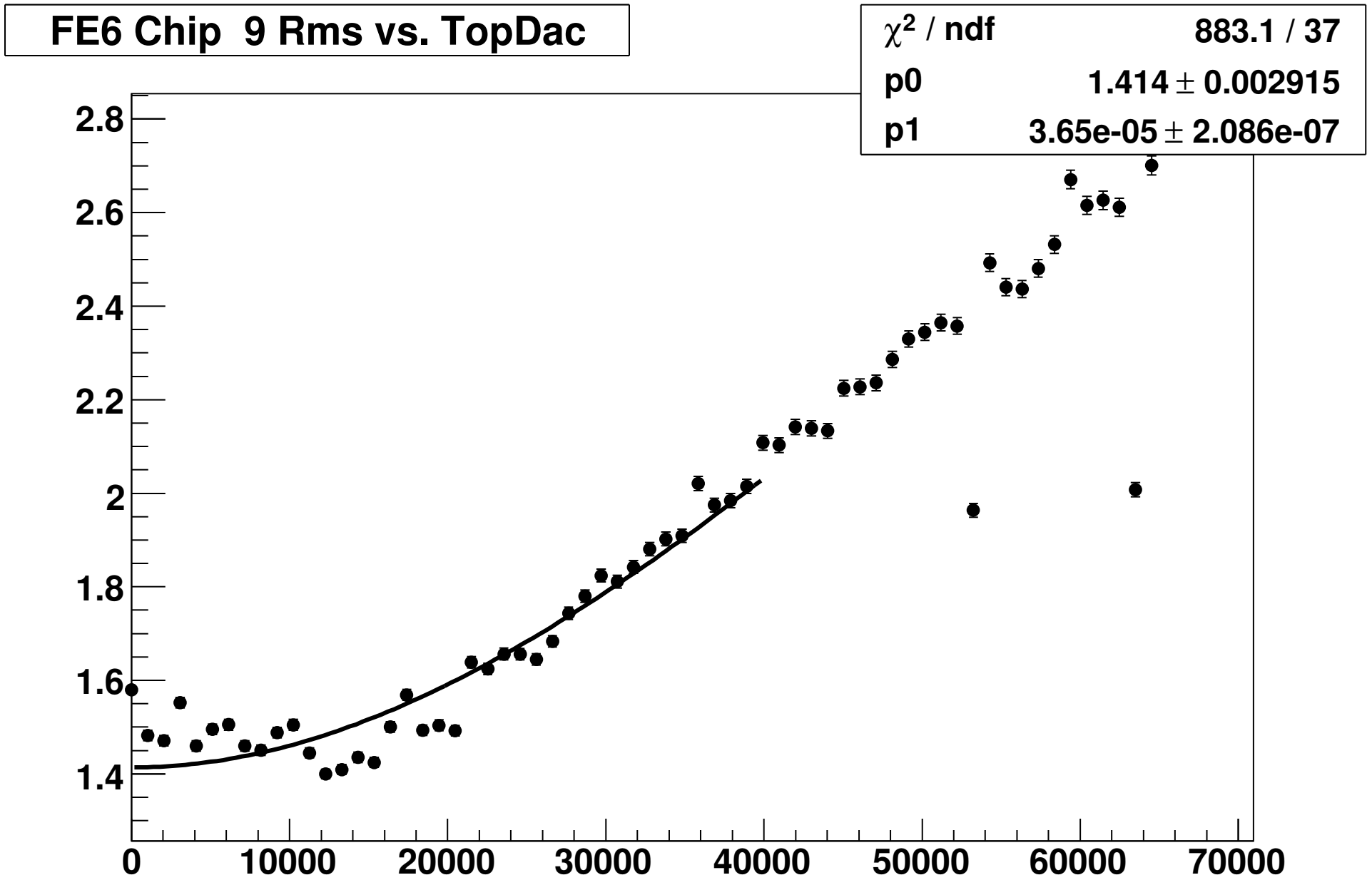
FE6 Chip 9 Rms vs. TopDac
χ² / ndf 883.1 / 37
p0 1.414 ± 0.002915
p1 3.65e-05 ± 2.086e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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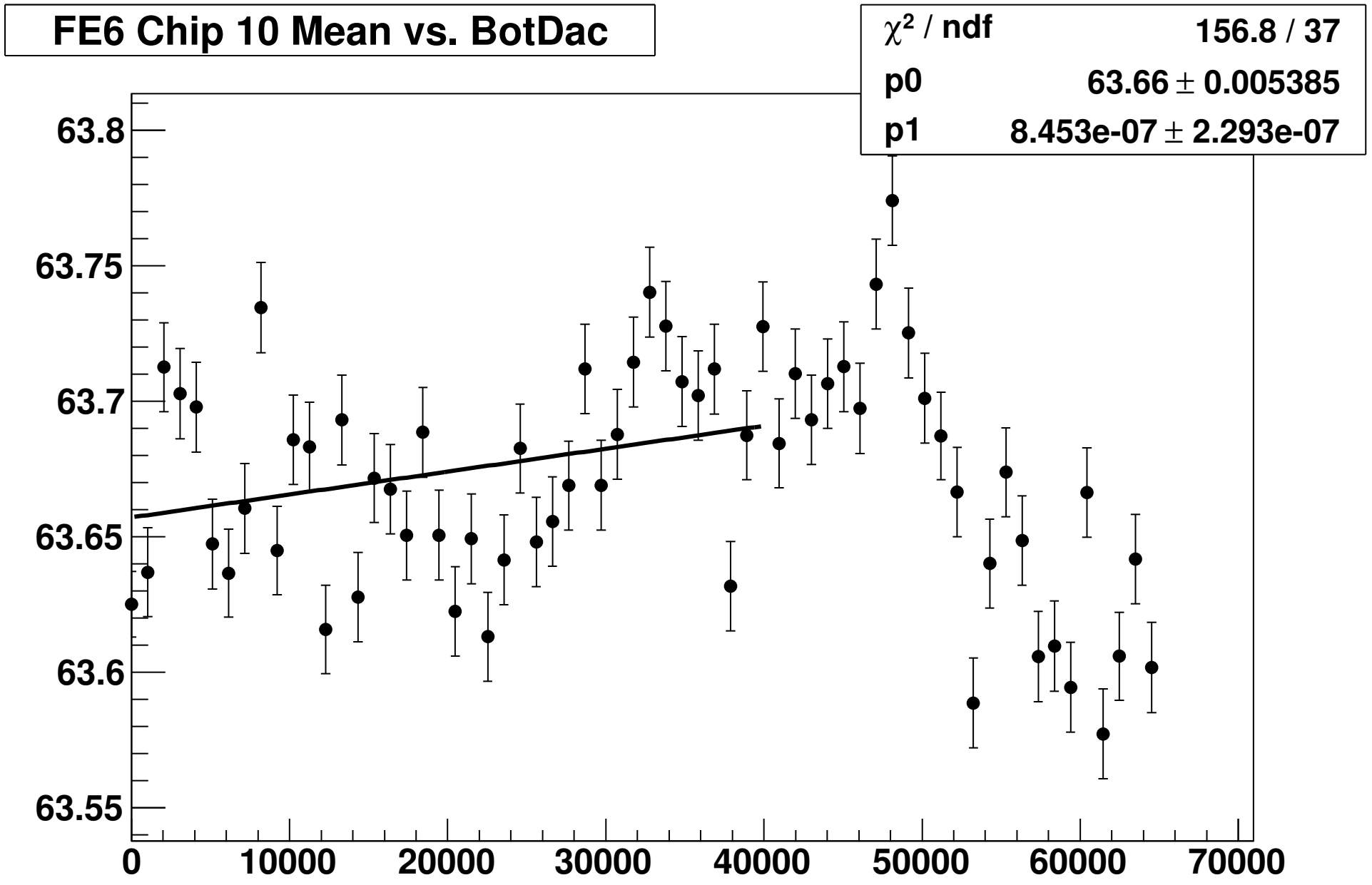
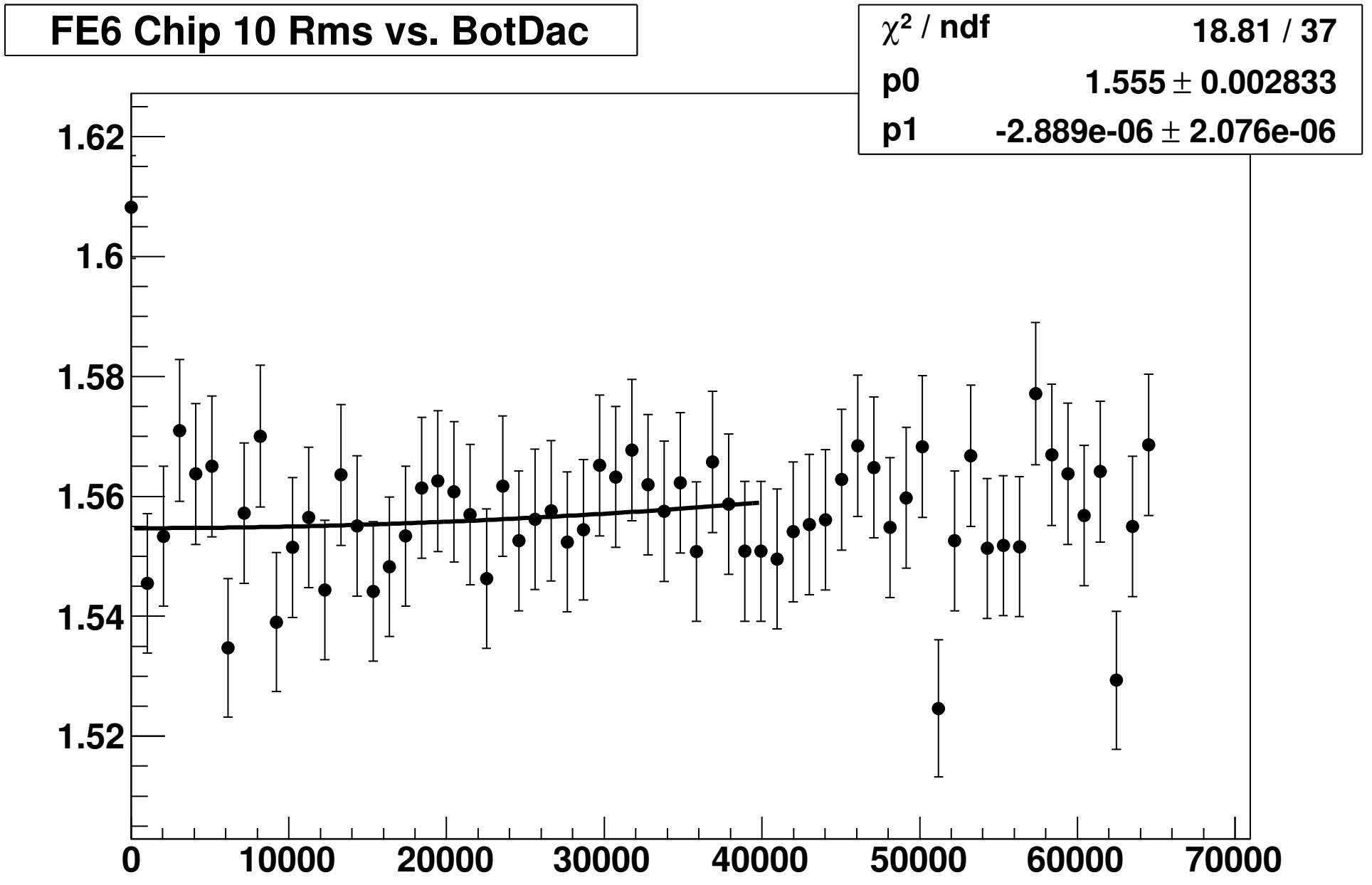

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 156.8 / 37
p0 63.66 ± 0.005385
p1 8.453e-07 ± 2.293e-07
63.8
63.75
63.7
63.65
63.6
63.55
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 18.81 / 37
p0 1.555 ± 0.002833
p1 -2.889e-06 ± 2.076e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
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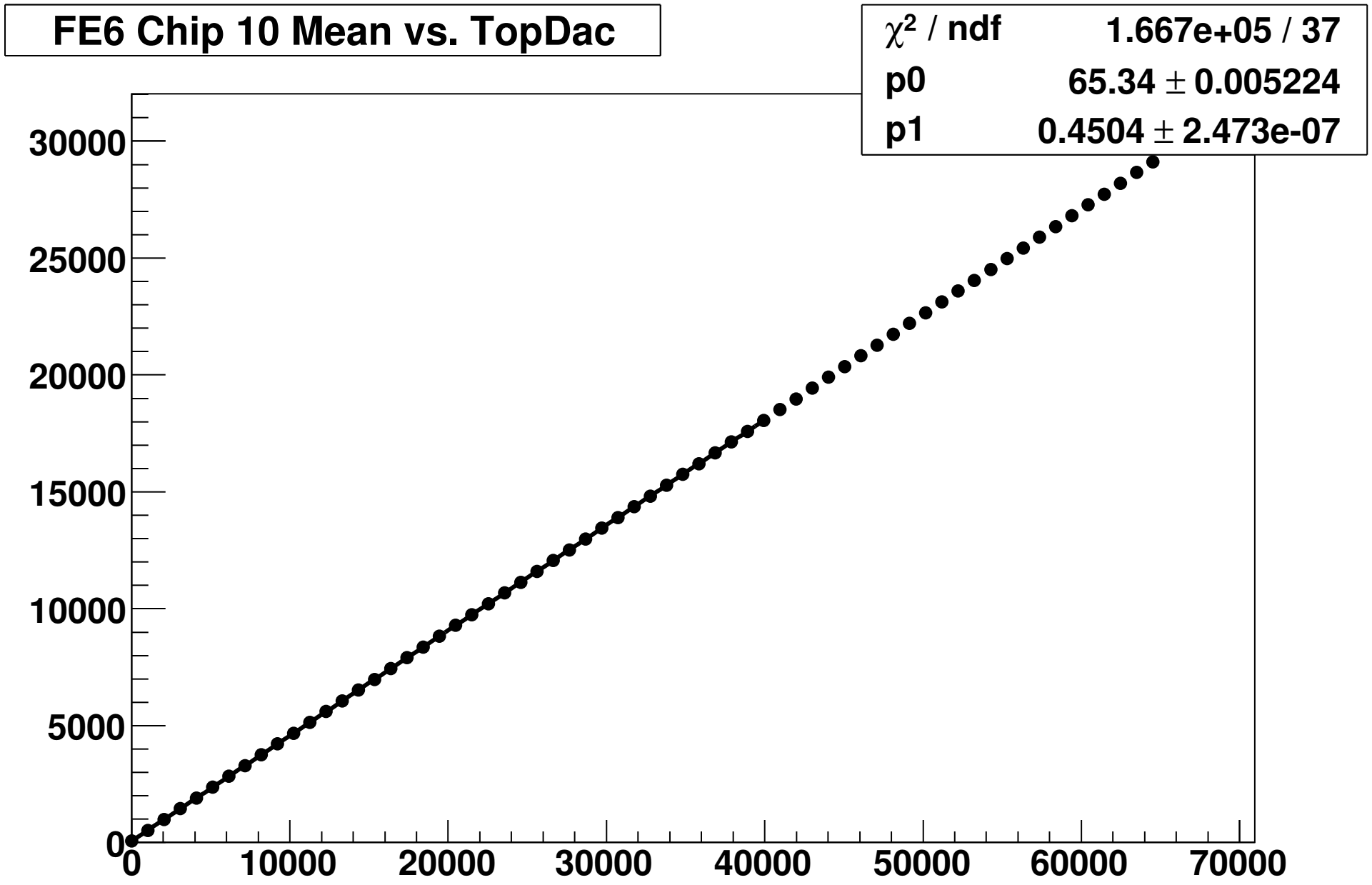
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.667e+05 / 37
p0 65.34 ± 0.005224
p1 0.4504 ± 2.473e-07
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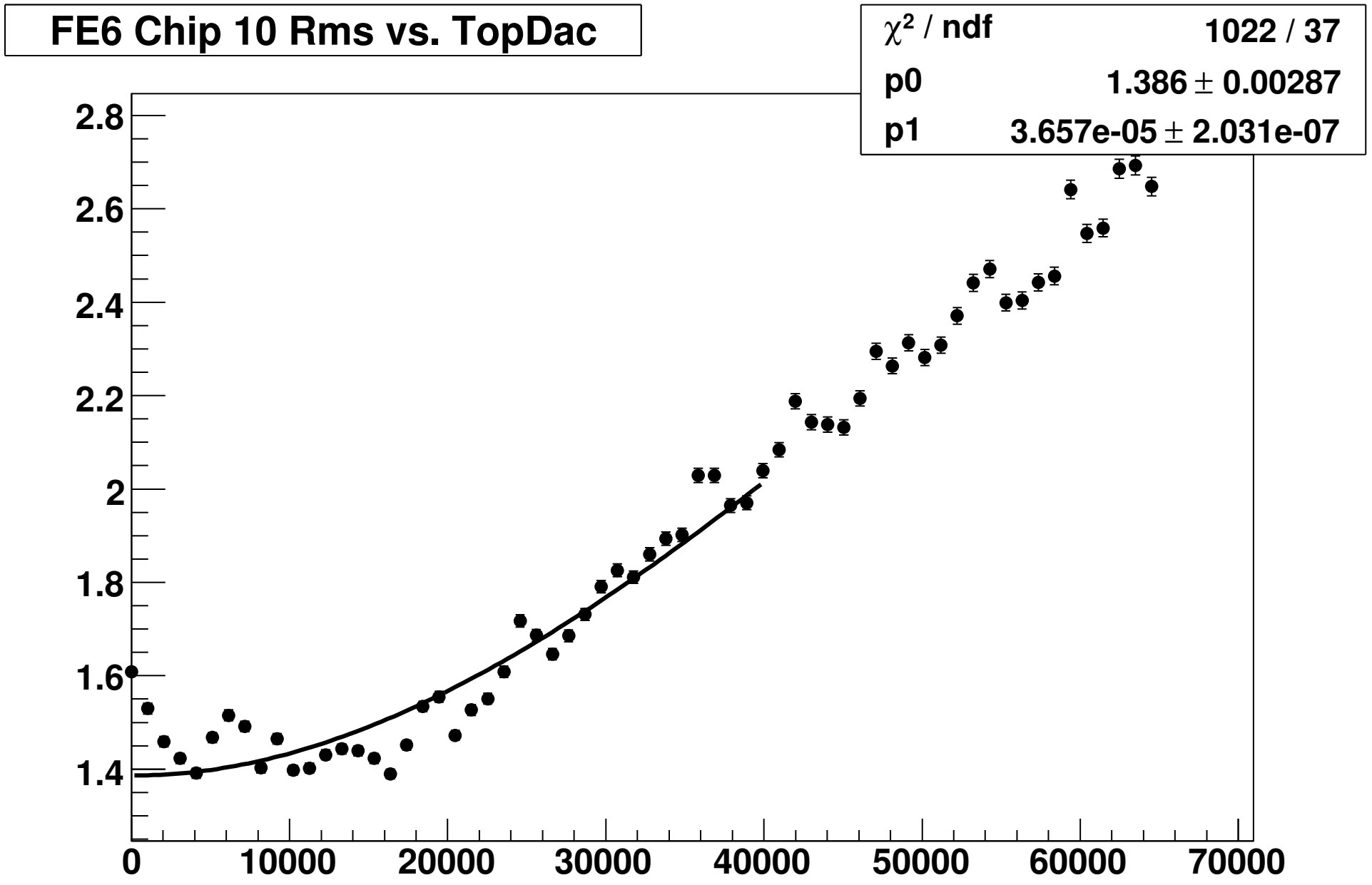
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1022 / 37
p0 1.386 ± 0.00287
p1 3.657e-05 ± 2.031e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
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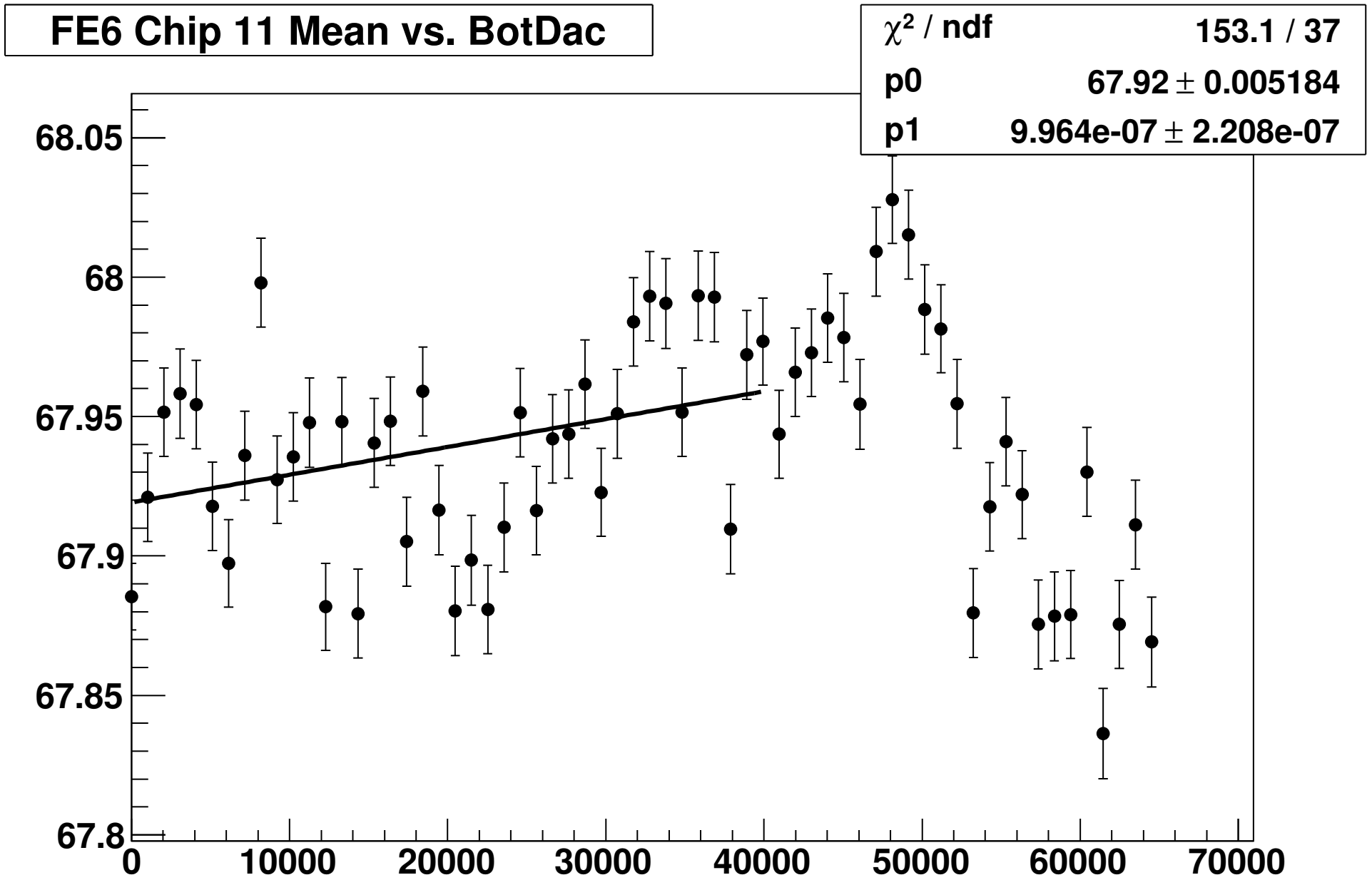
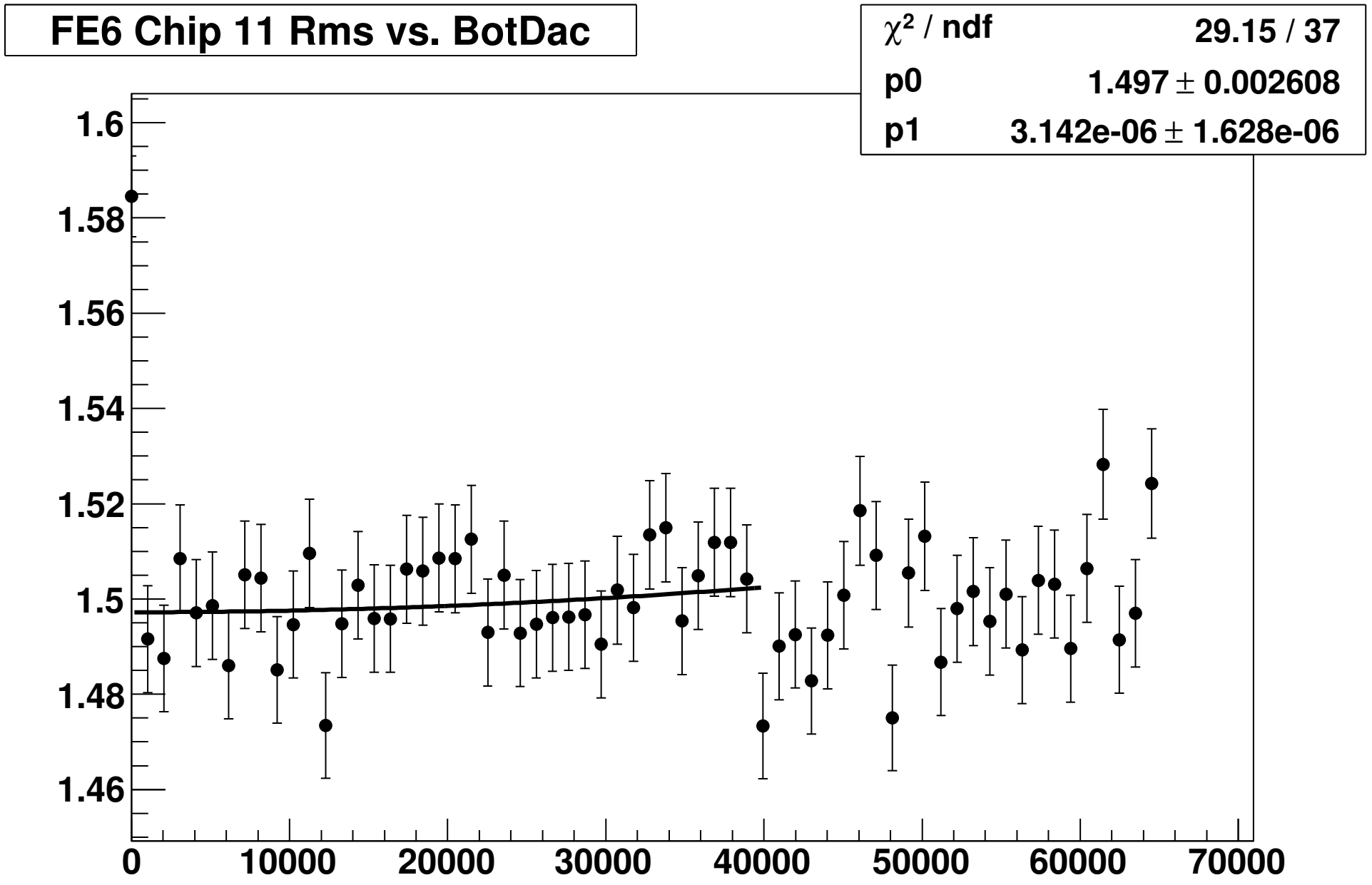
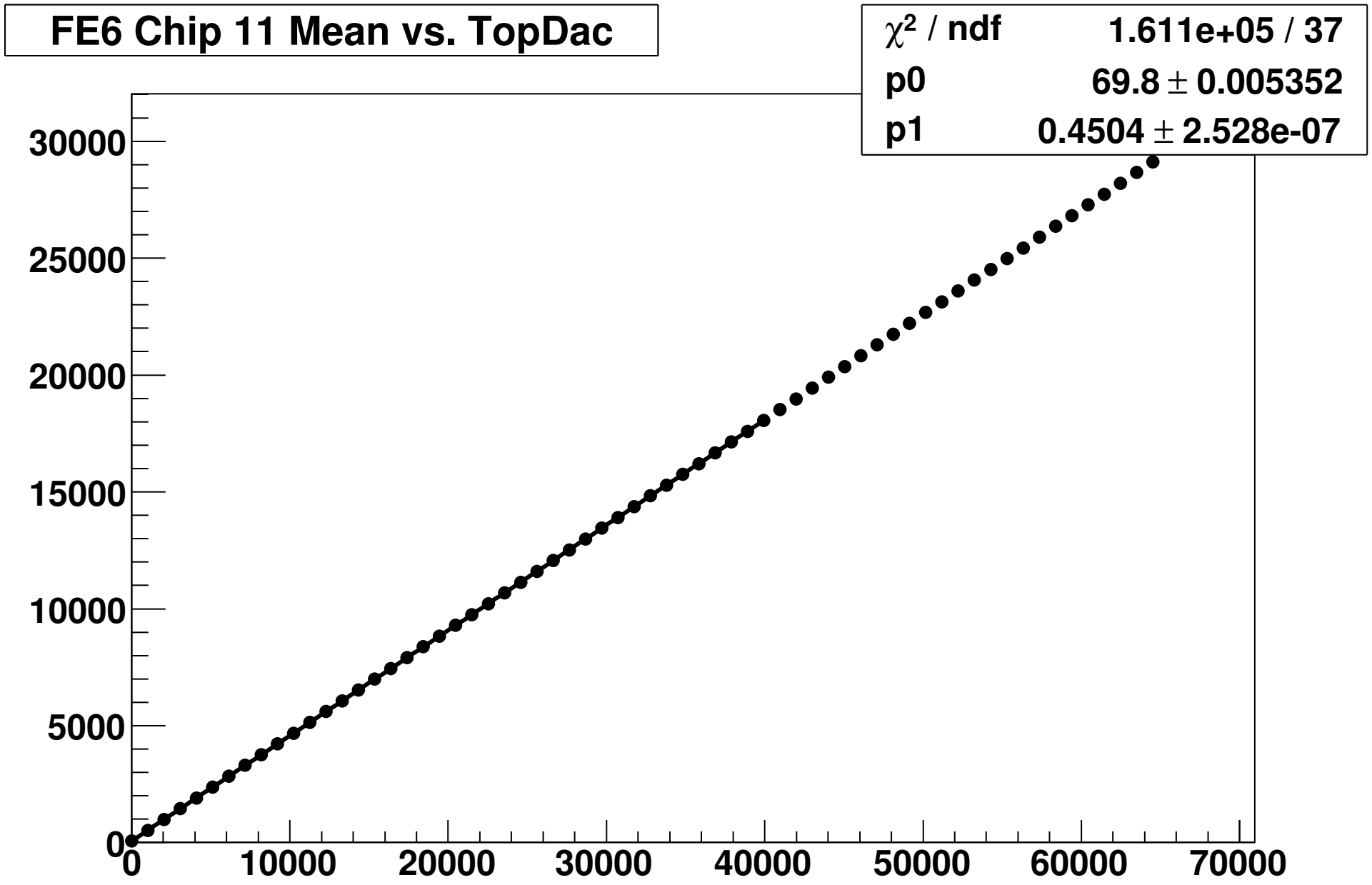

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 153.1 / 37
p0 67.92 ± 0.005184
p1 9.964e-07 ± 2.208e-07
68.05
68
67.95
67.9
67.85
67.8
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 29.15 / 37
p0 1.497 ± 0.002608
p1 3.142e-06 ± 1.628e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.611e+05 / 37
p0 69.8 ± 0.005352
p1 0.4504 ± 2.528e-07
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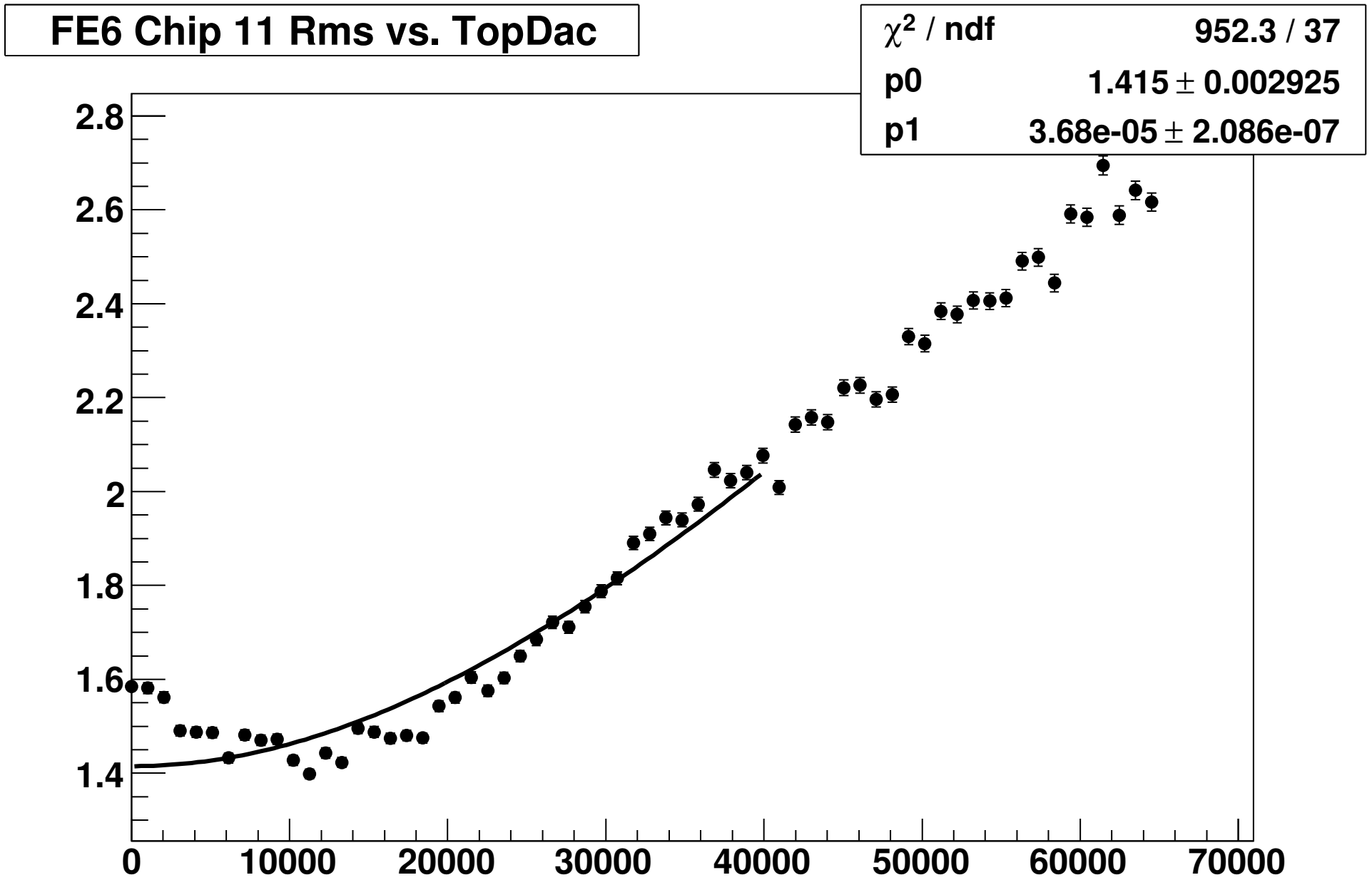
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 952.3 / 37
p0 1.415 ± 0.002925
p1 3.68e-05 ± 2.086e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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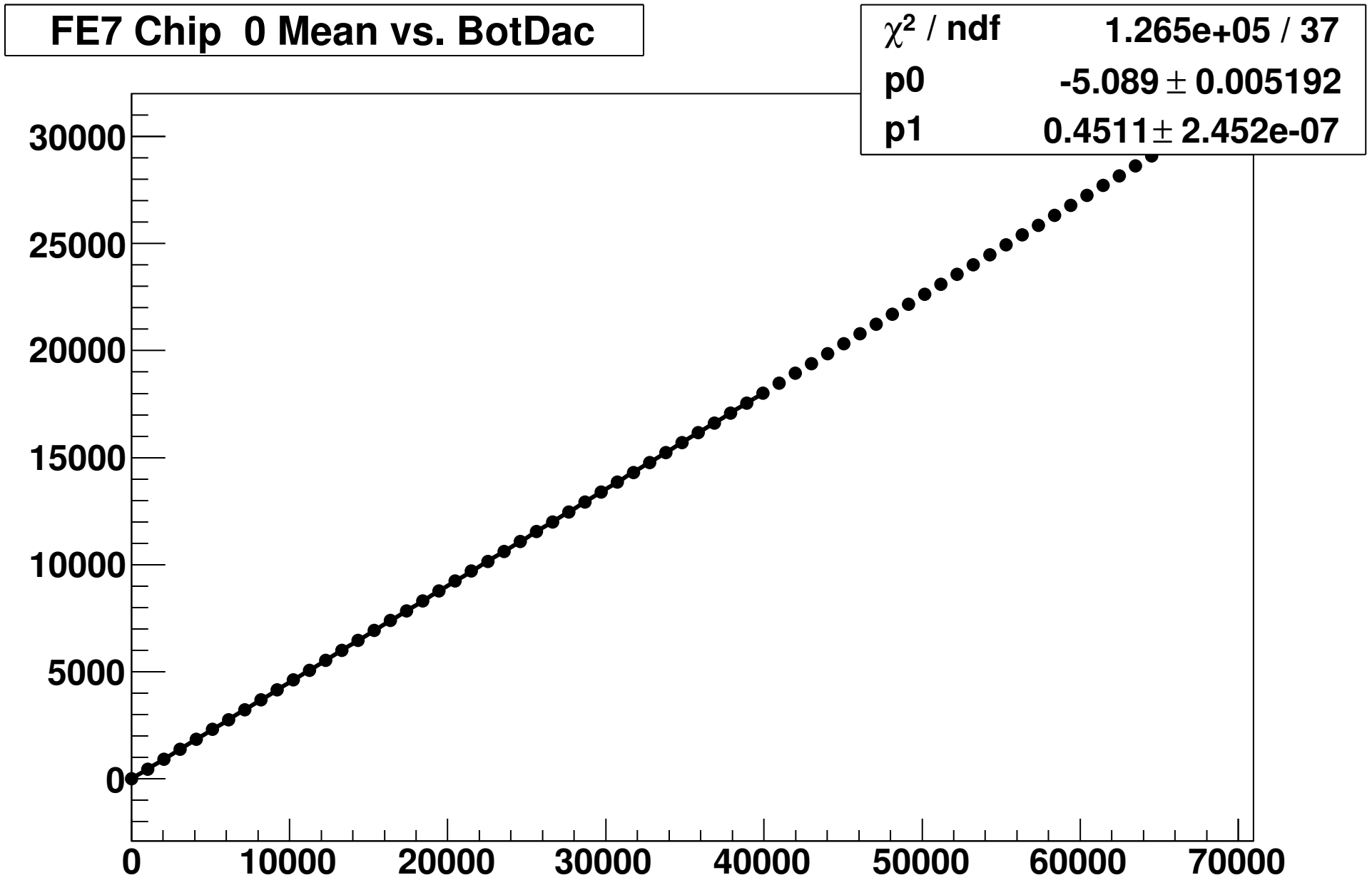
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.265e+05 / 37
p0 -5.089 ± 0.005192
p1 0.4511 ± 2.452e-07
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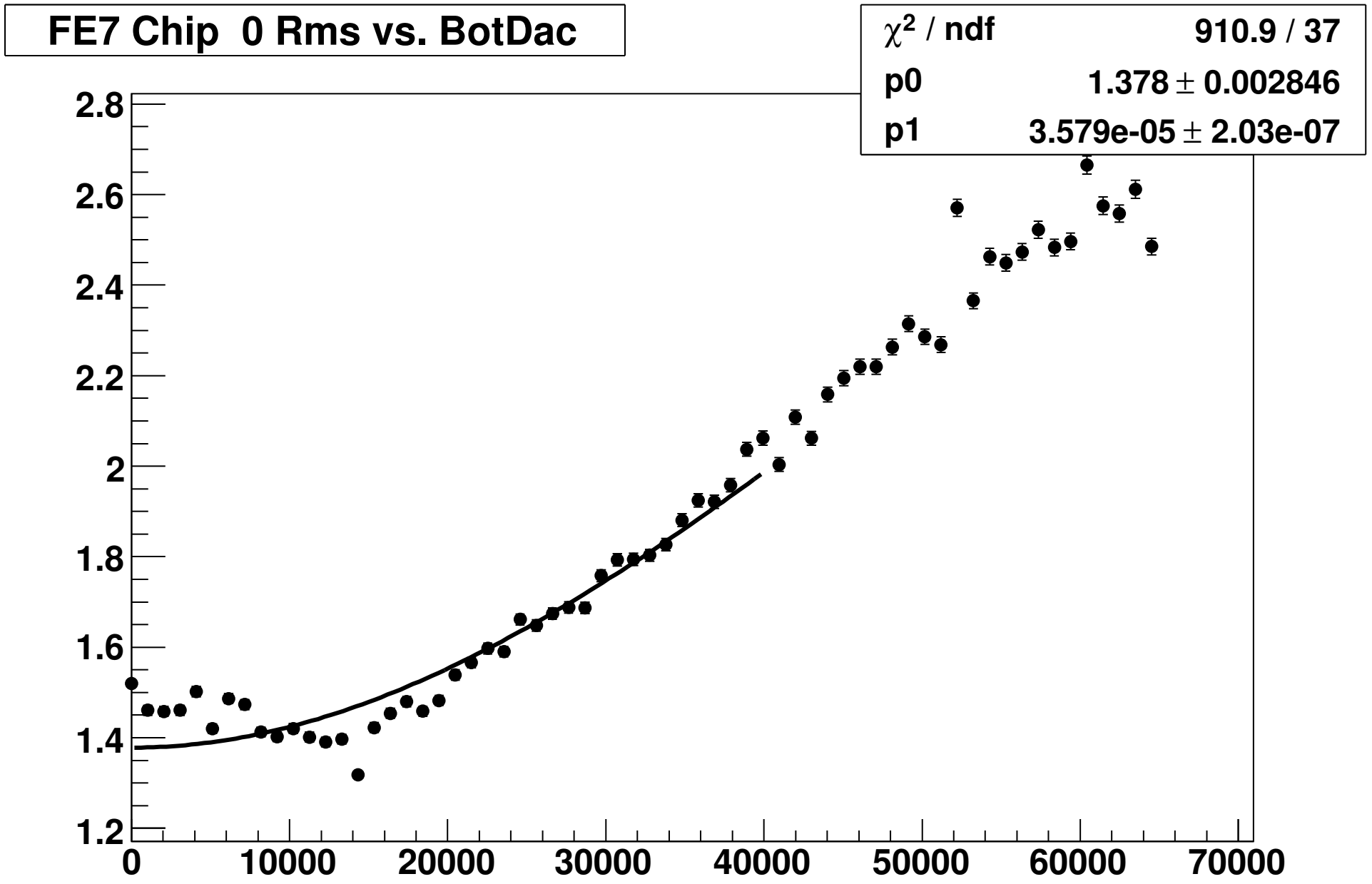
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 910.9 / 37
p0 1.378 ± 0.002846
p1 3.579e-05 ± 2.03e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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50000
60000
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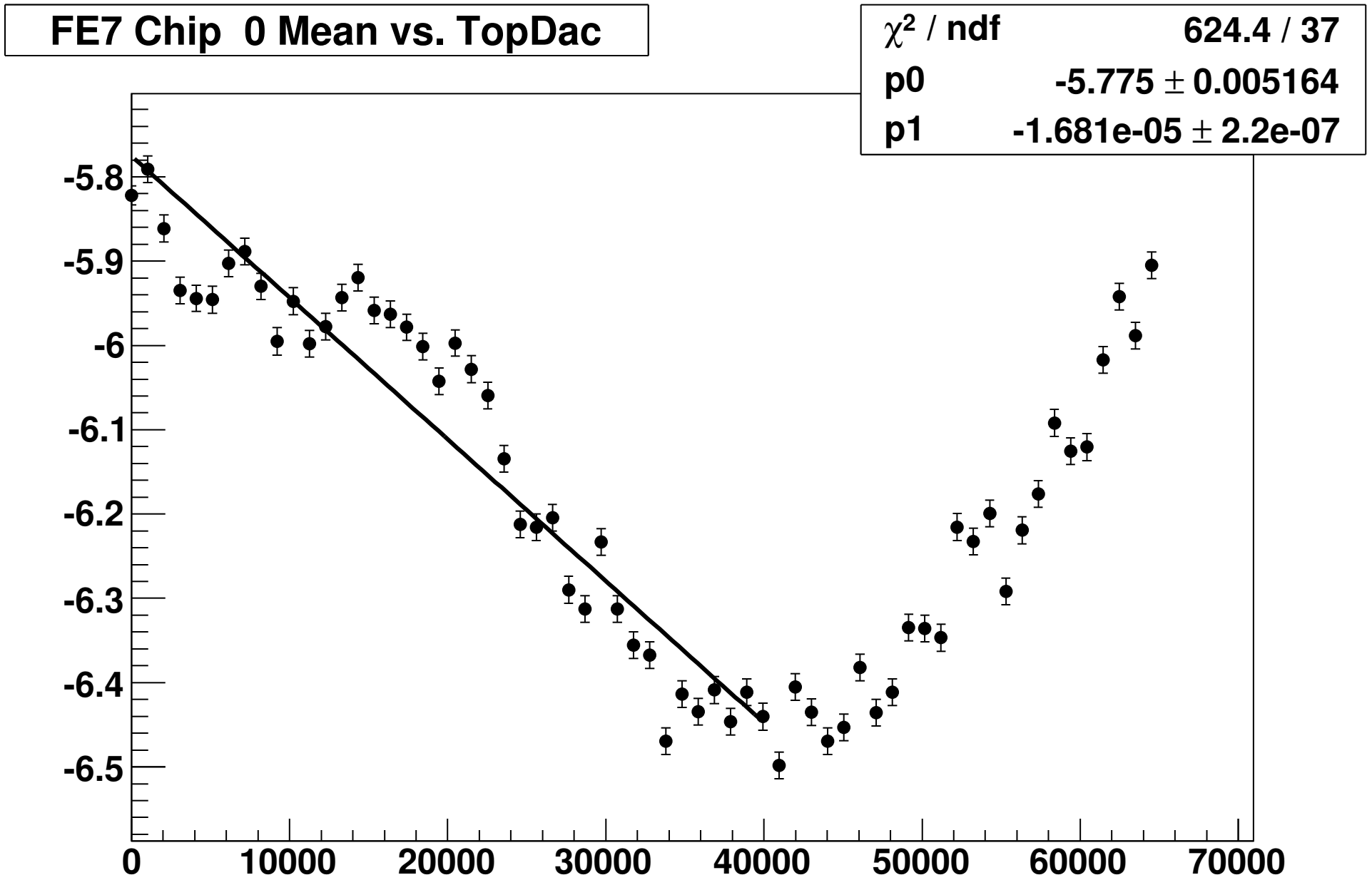
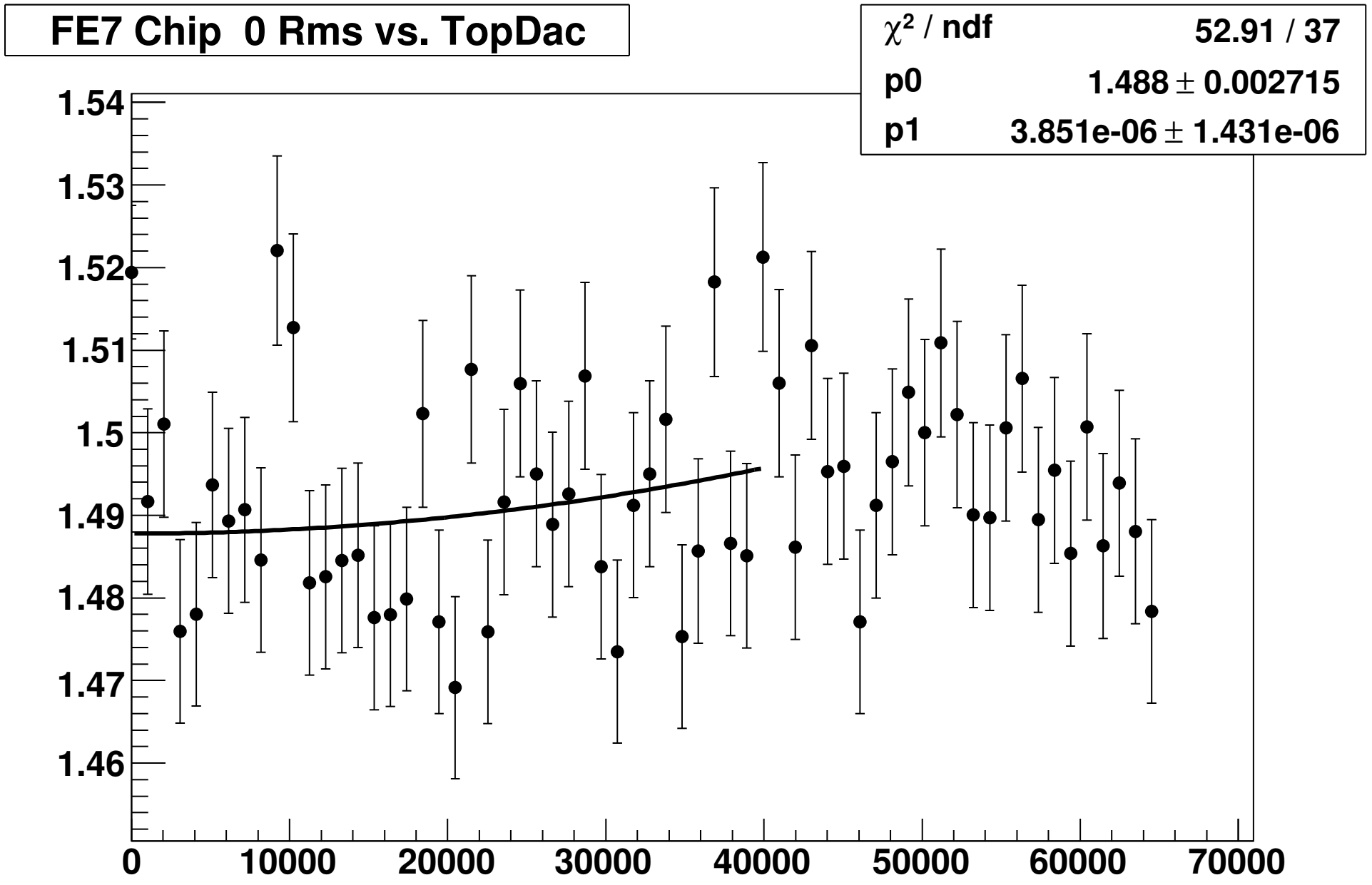
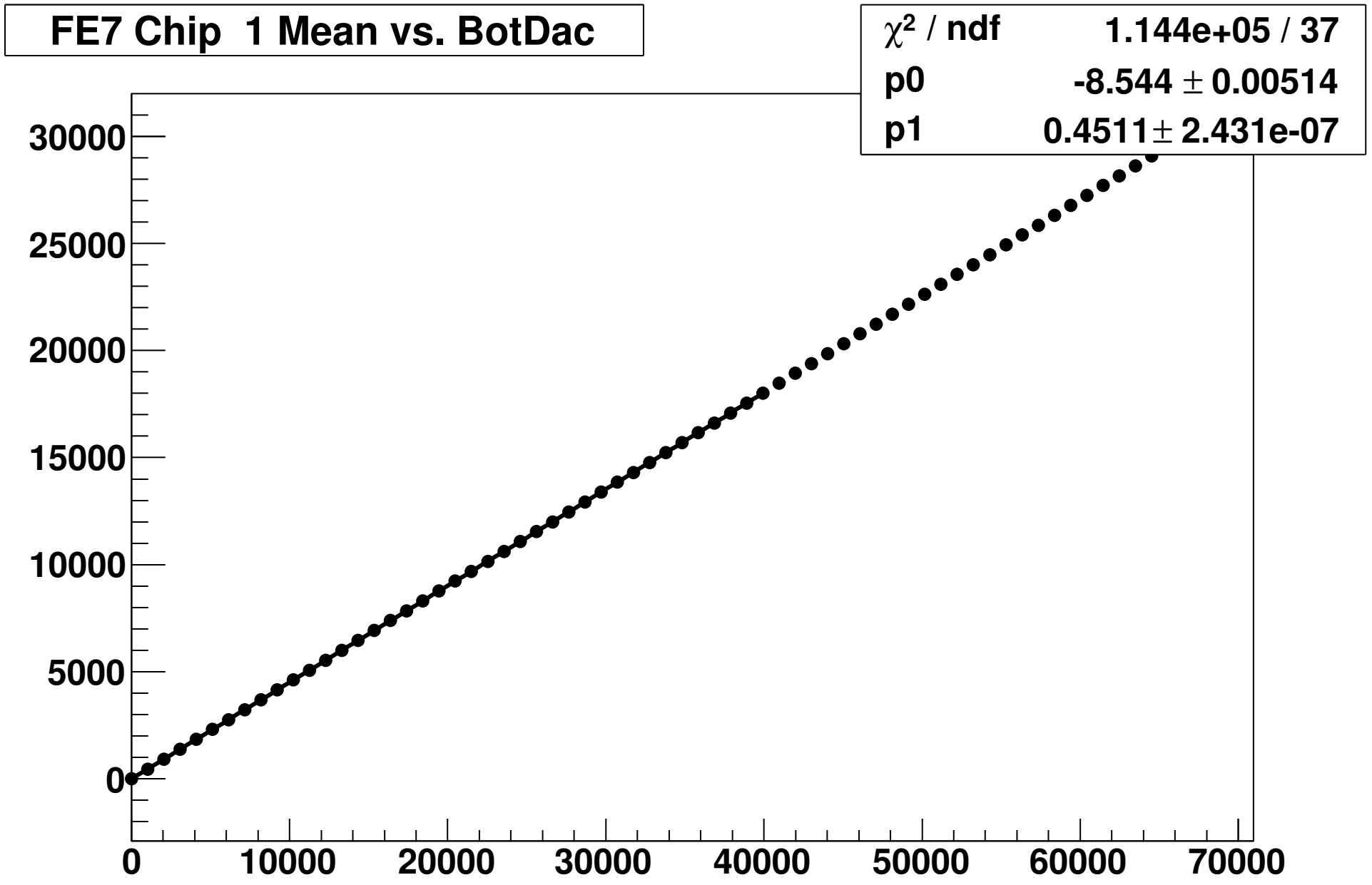
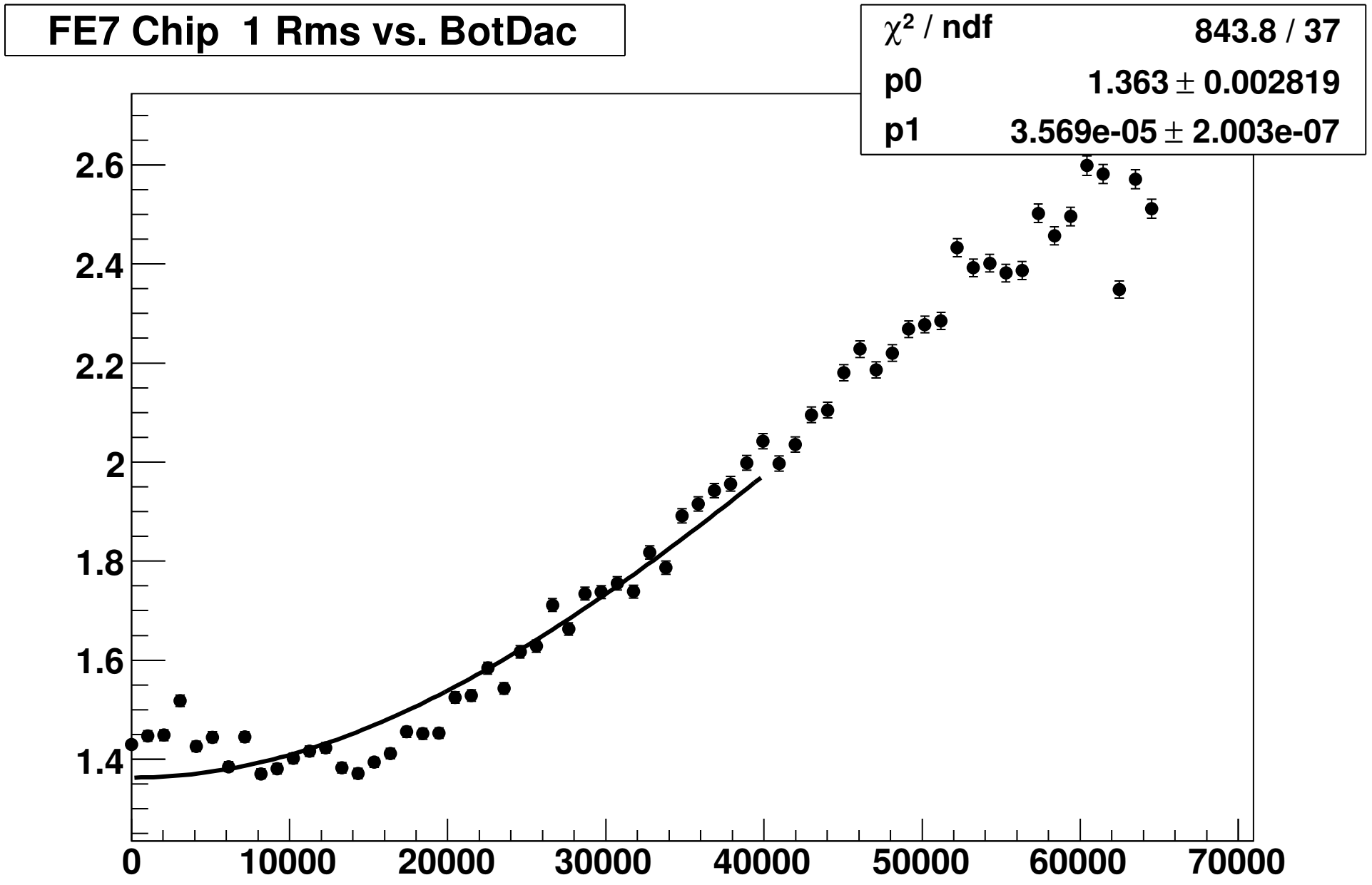

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 624.4 / 37
p0 -5.775 ± 0.005164
p1 -1.681e-05 ± 2.2e-07
-5.8
-5.9
-6
-6.1
-6.2
-6.3
-6.4
-6.5
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 52.91 / 37
p0 1.488 ± 0.002715
p1 3.851e-06 ± 1.431e-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 1 Mean vs. BotDac
χ² / ndf 1.144e+05 / 37
p0 -8.544 ± 0.00514
p1 0.4511 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 843.8 / 37
p0 1.363 ± 0.002819
p1 3.569e-05 ± 2.003e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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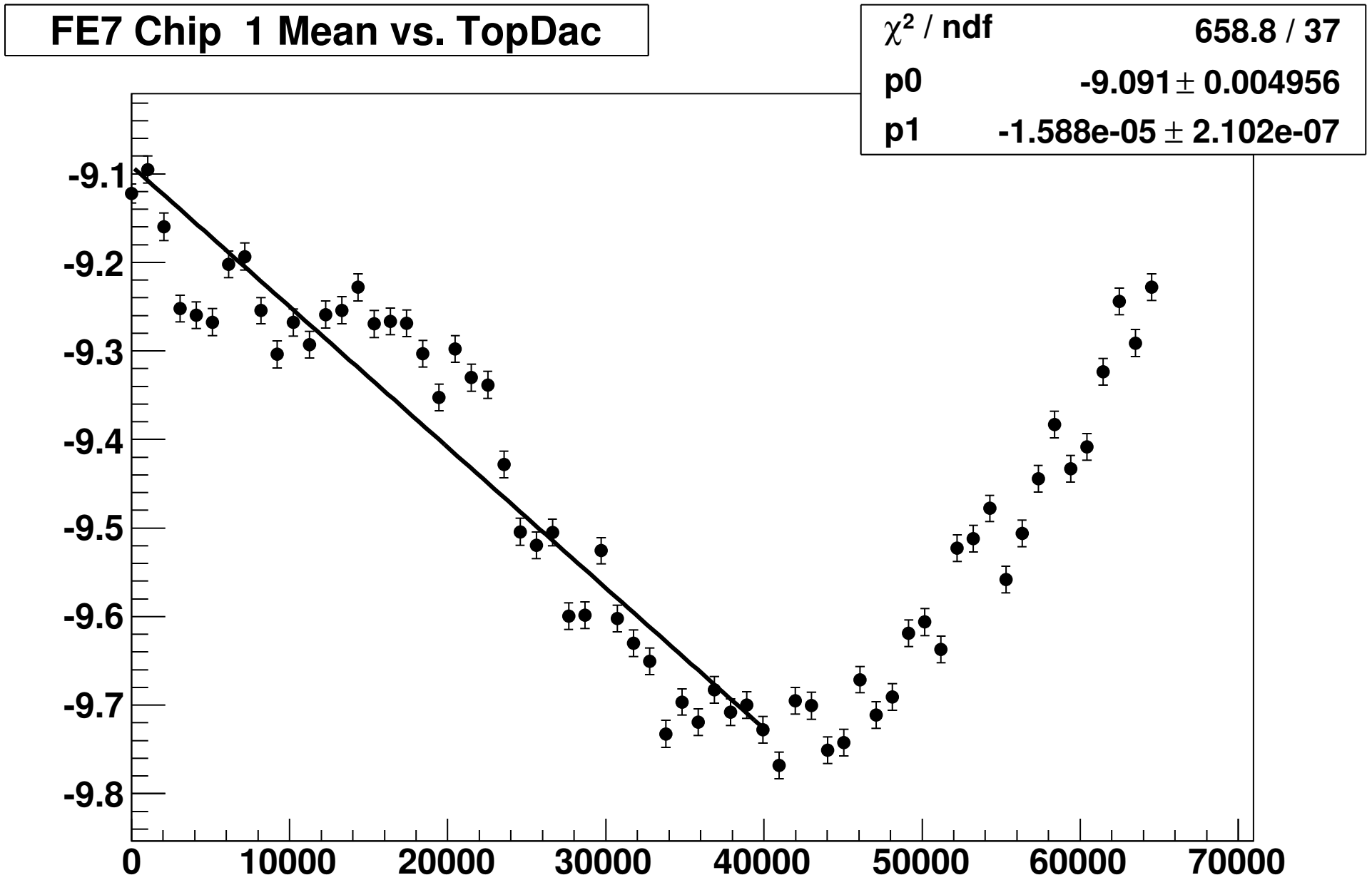
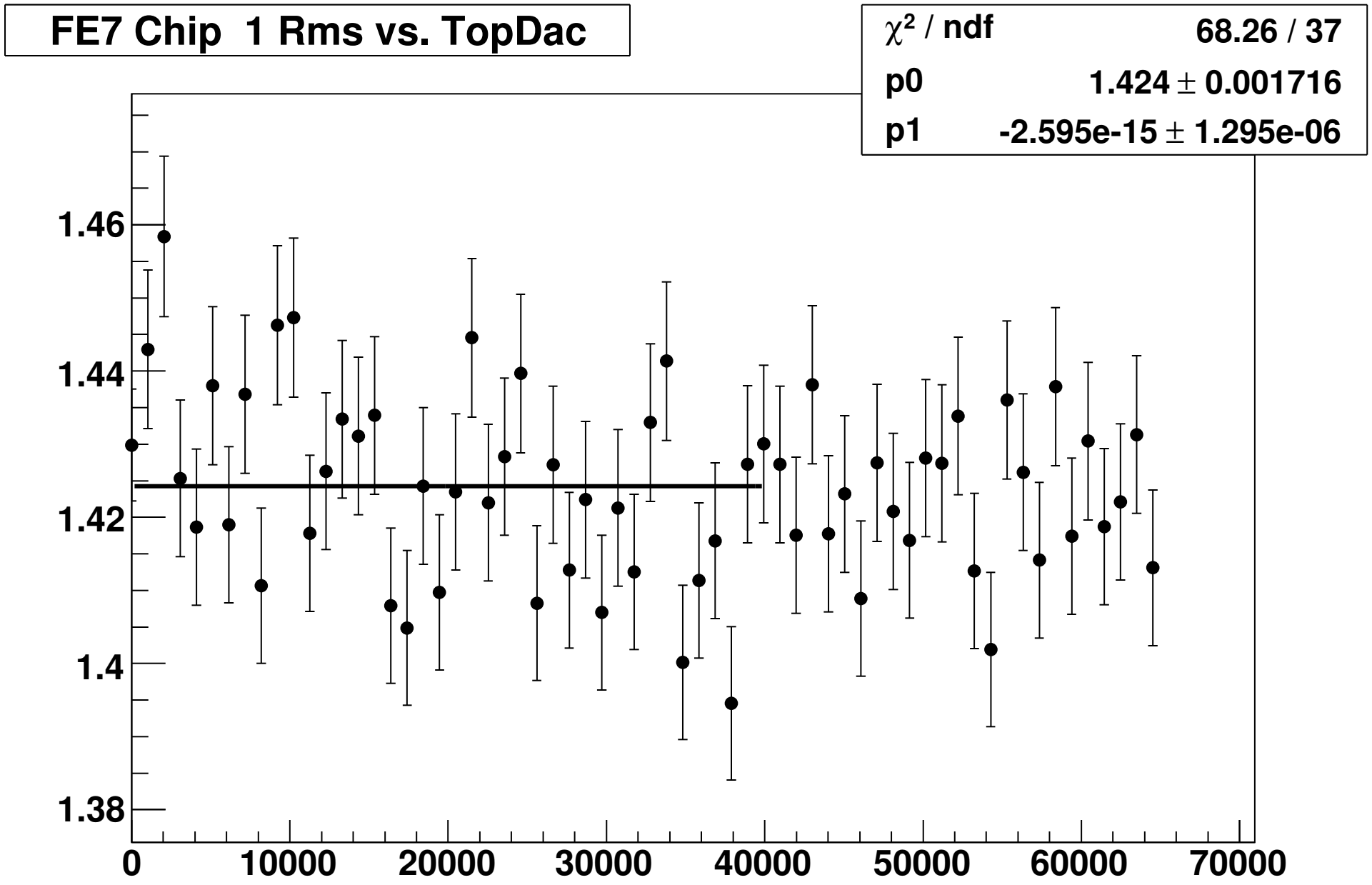
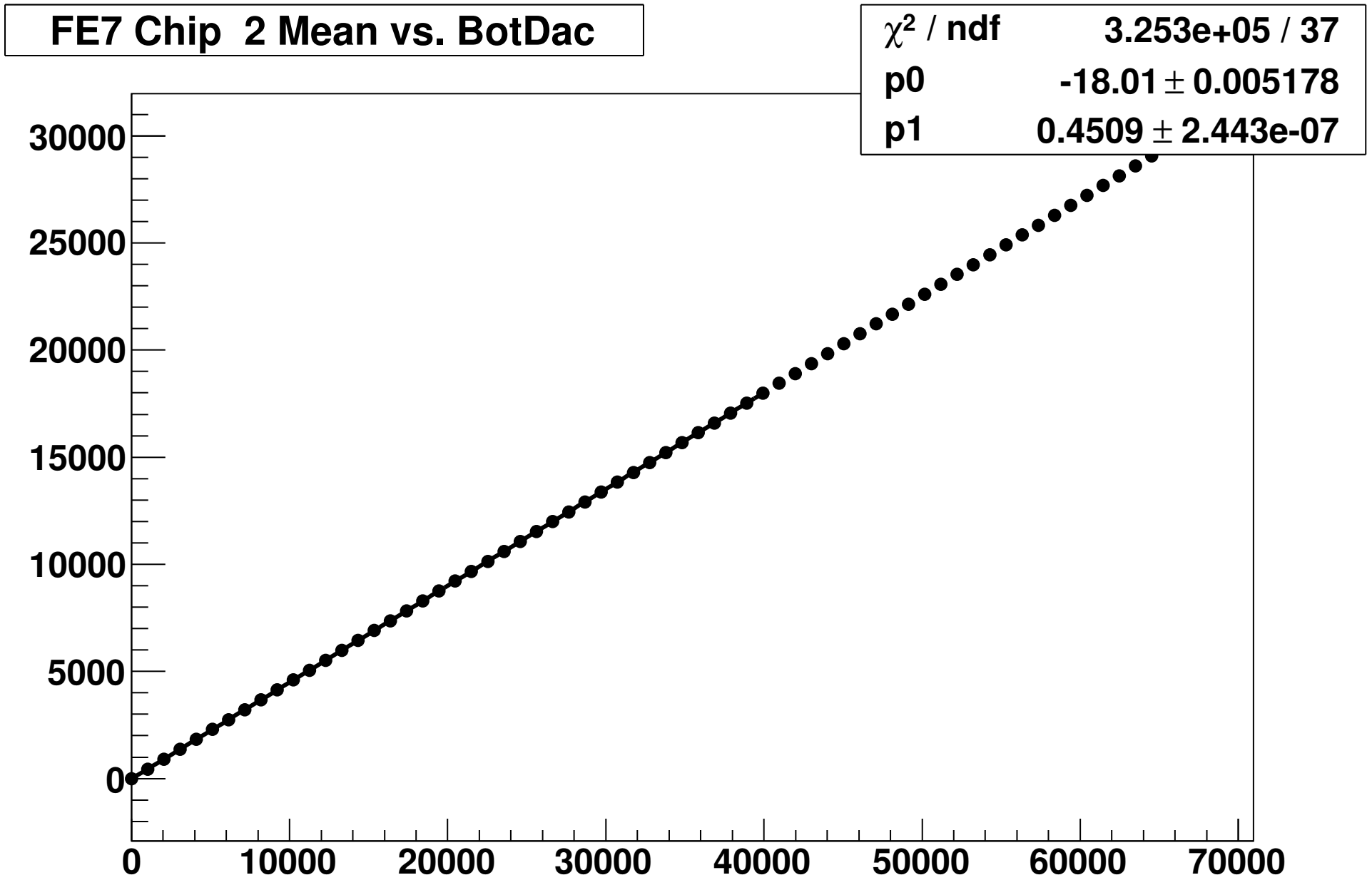
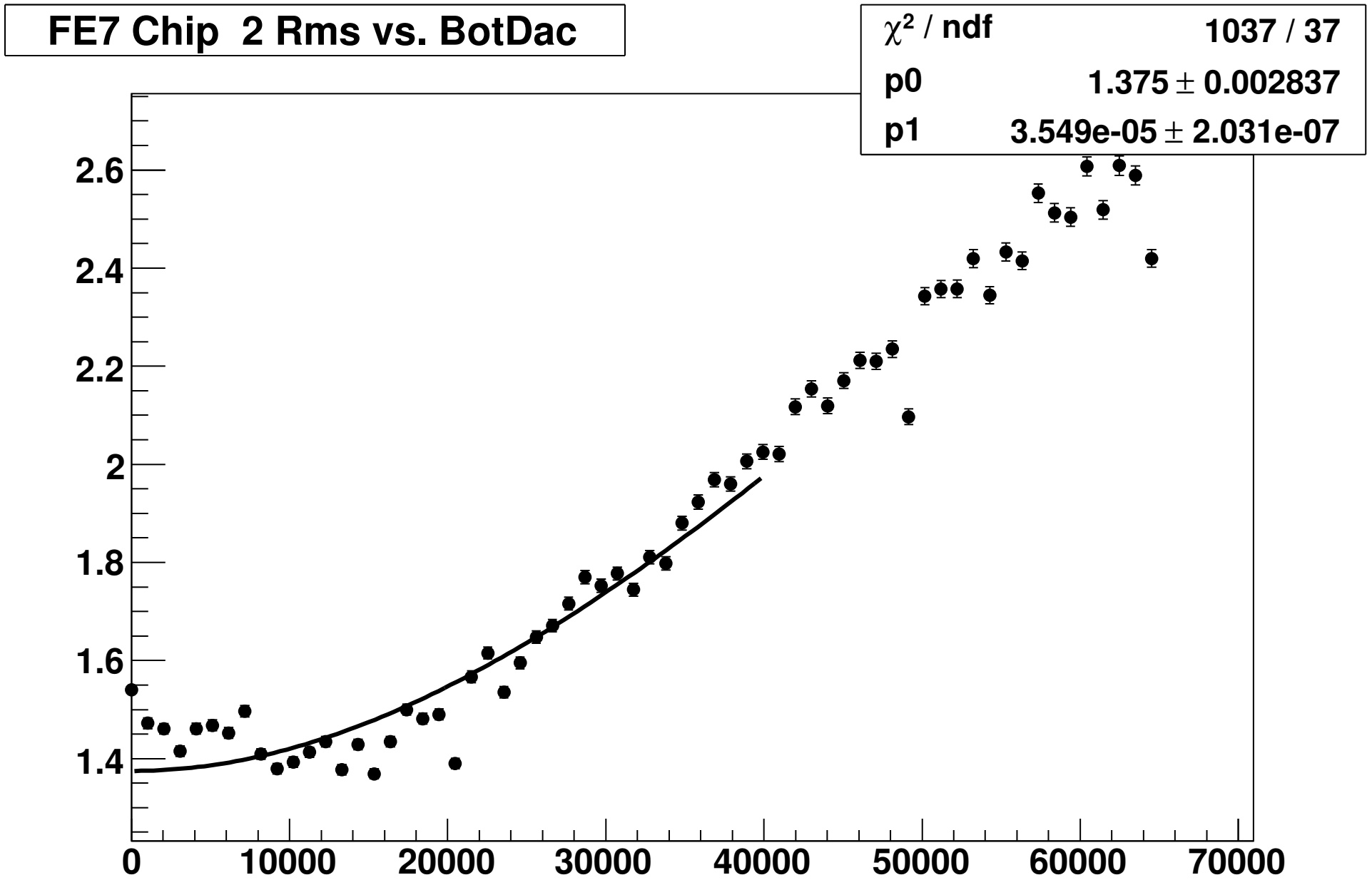
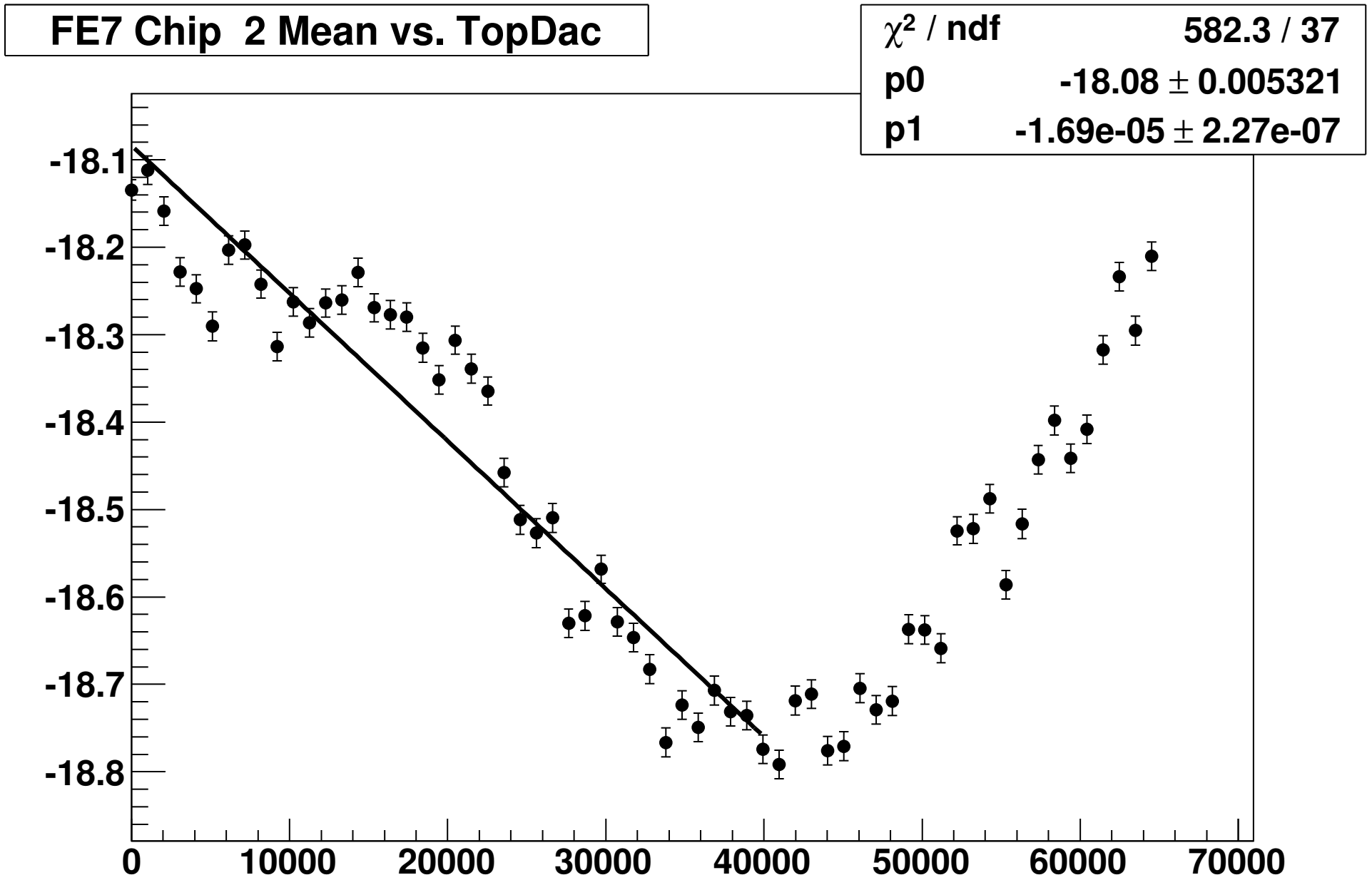
40000
50000
60000
70000

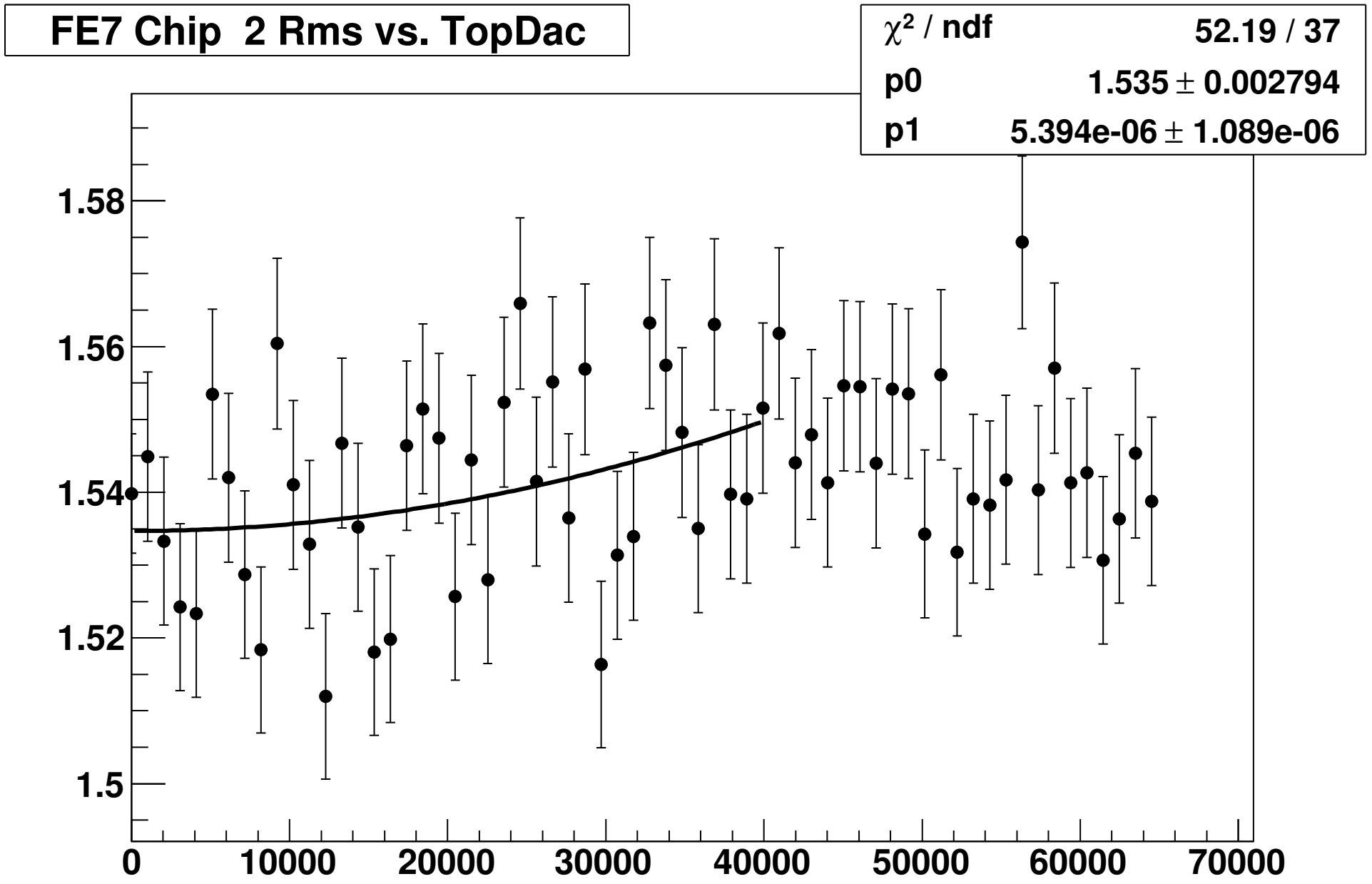

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 658.8 / 37
p0 -9.091 ± 0.004956
p1 -1.588e-05 ± 2.102e-07
-9.1
-9.2
-9.3
-9.4
-9.5
-9.6
-9.7
-9.8
0
10000
20000
30000
40000
50000
60000
70000

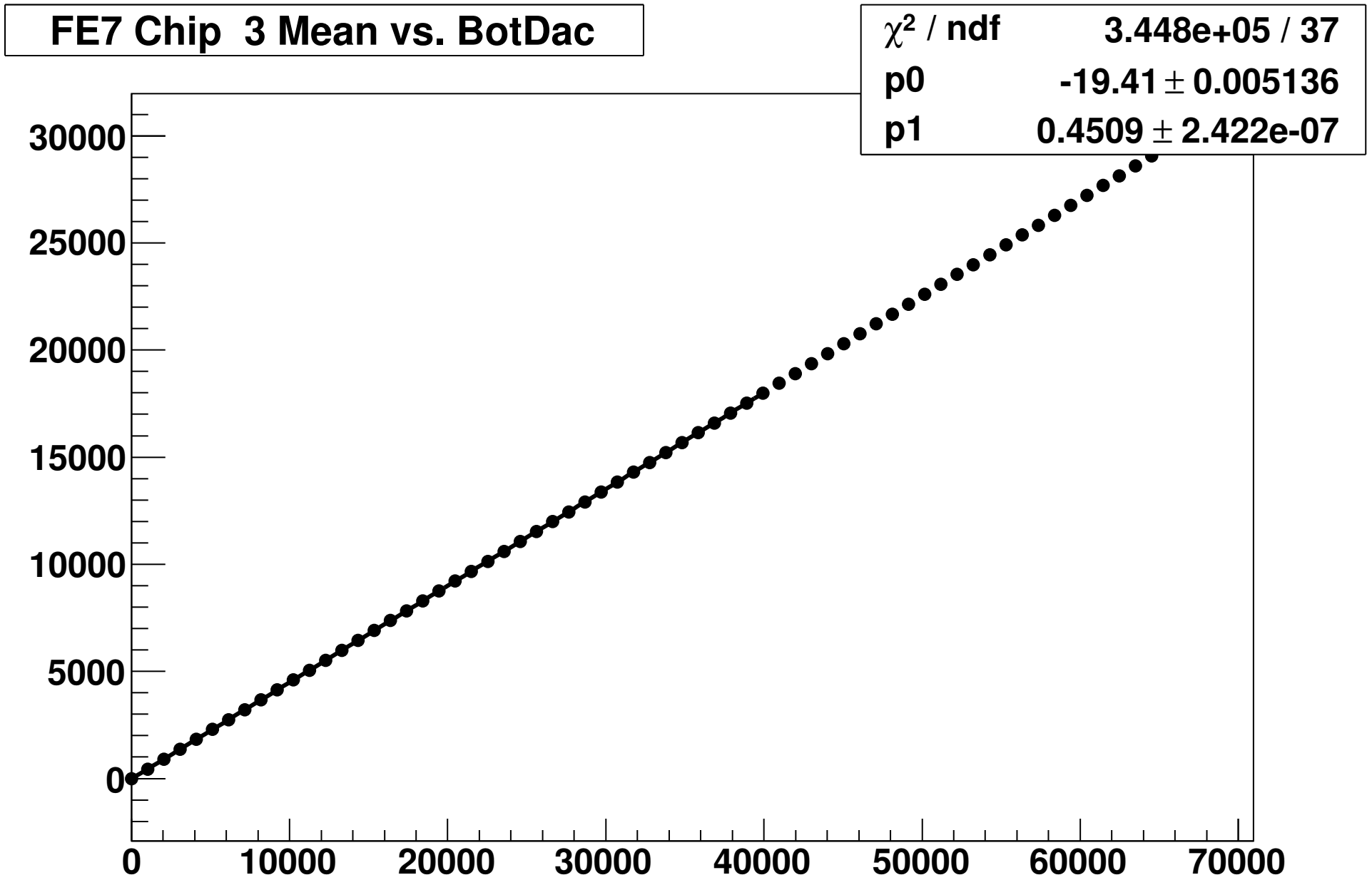

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 68.26 / 37
p0 1.424 ± 0.001716
p1 -2.595e-15 ± 1.295e-06
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

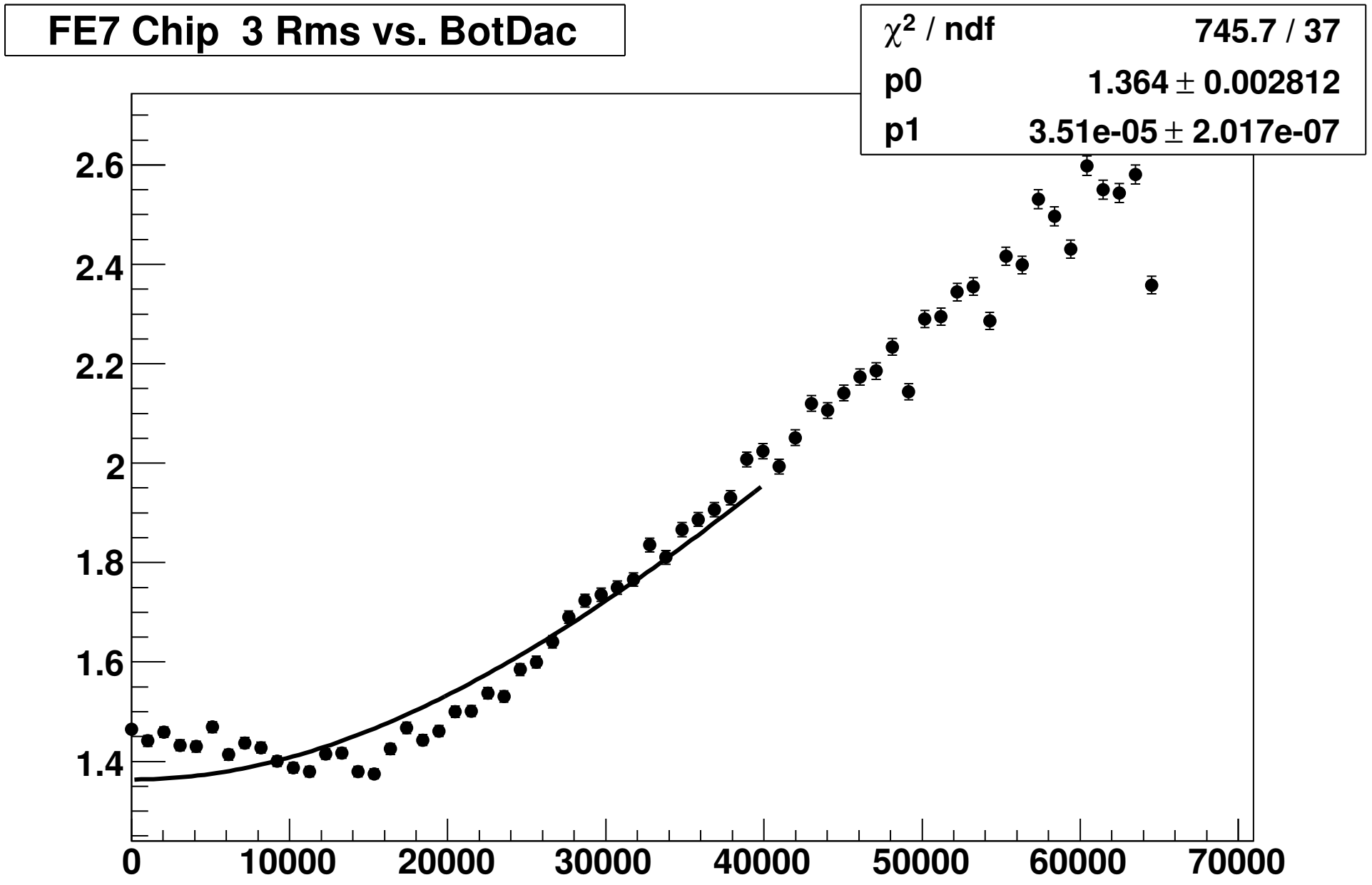

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 3.253e+05 / 37
p0 -18.01 ± 0.005178
p1 0.4509 ± 2.443e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

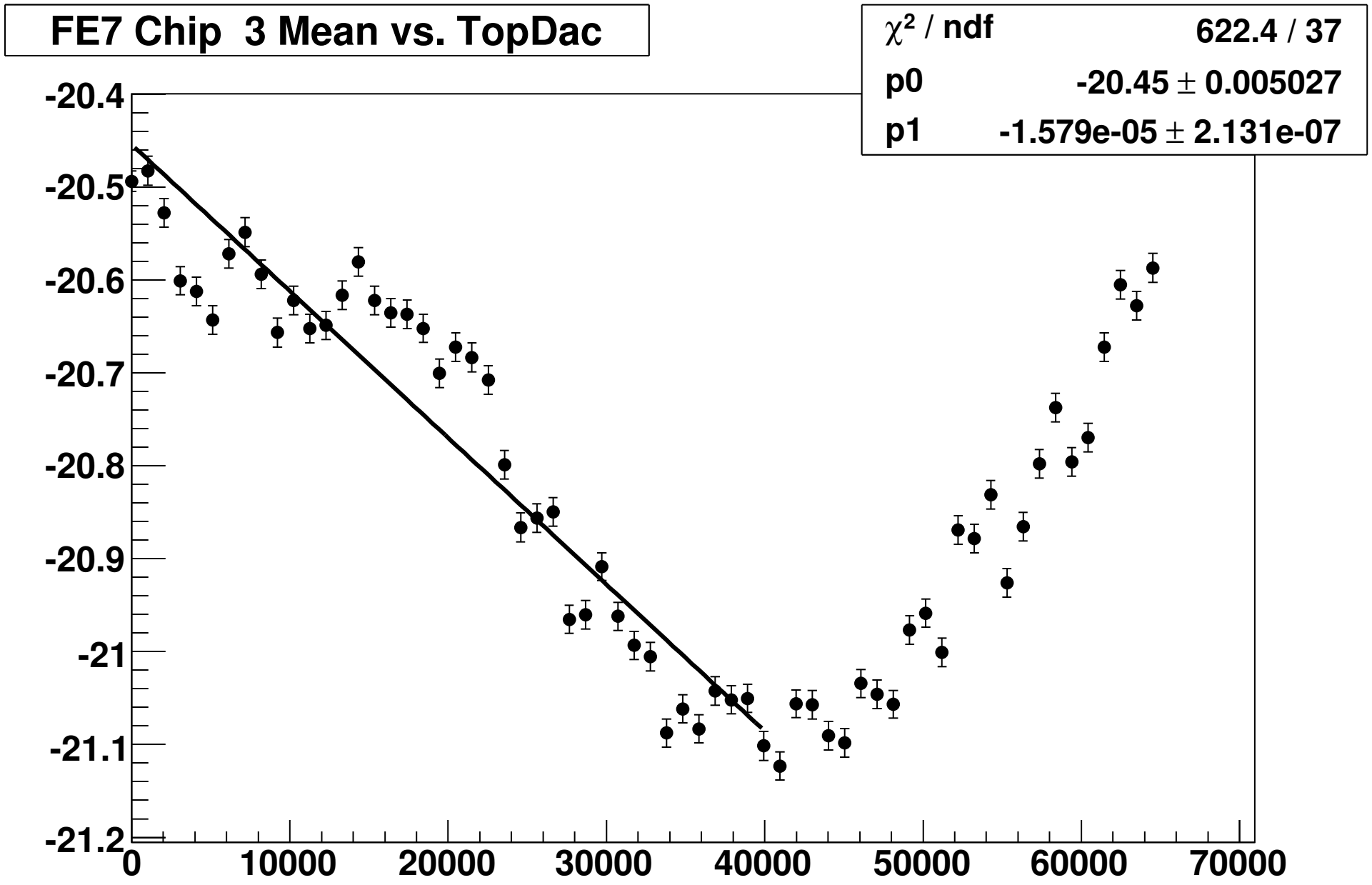

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1037 / 37
p0 1.375 ± 0.002837
p1 3.549e-05 ± 2.031e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 582.3 / 37
p0 -18.08 ± 0.005321
p1 -1.69e-05 ± 2.27e-07
-18.1
-18.2
-18.3
-18.4
-18.5
-18.6
-18.7
-18.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 52.19 / 37
p0 1.535 ± 0.002794
p1 5.394e-06 ± 1.089e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 3.448e+05 / 37
p0 -19.41 ± 0.005136
p1 0.4509 ± 2.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 745.7 / 37
p0 1.364 ± 0.002812
p1 3.51e-05 ± 2.017e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 622.4 / 37
p0 -20.45 ± 0.005027
p1 -1.579e-05 ± 2.131e-07
-20.4
-20.5
-20.6
-20.7
-20.8
-20.9
-21
-21.1
-21.2
0
10000
20000
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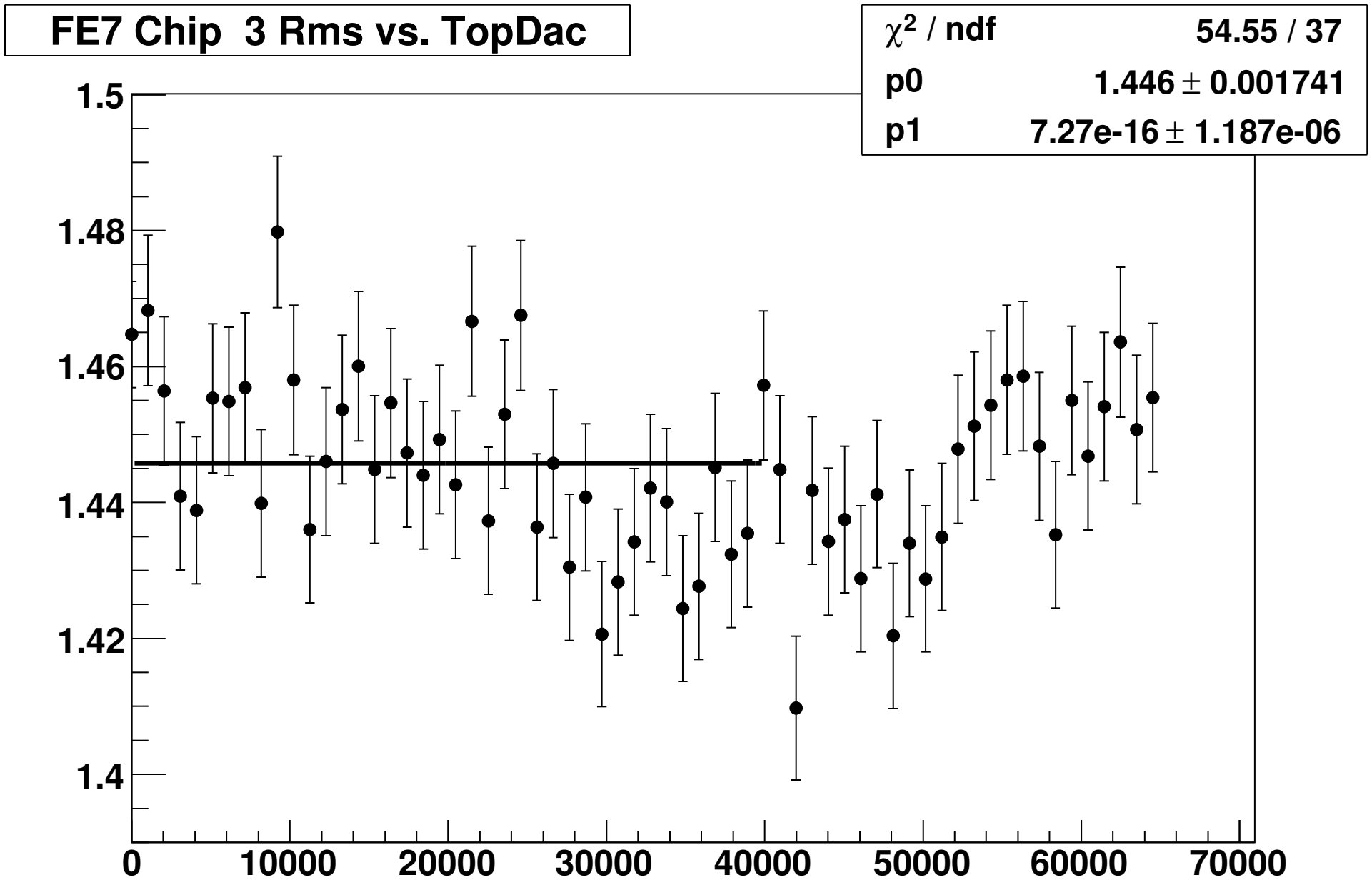
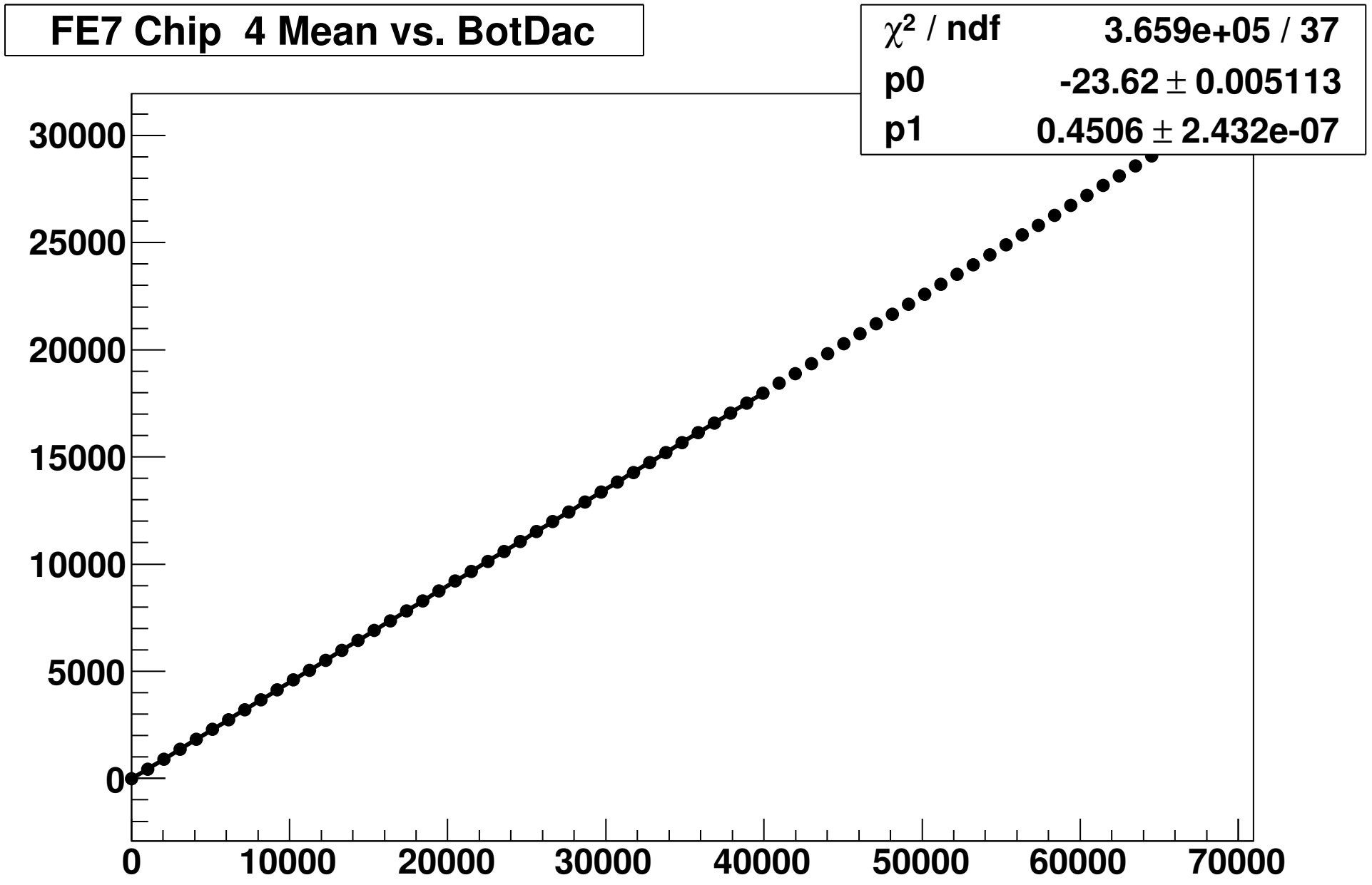
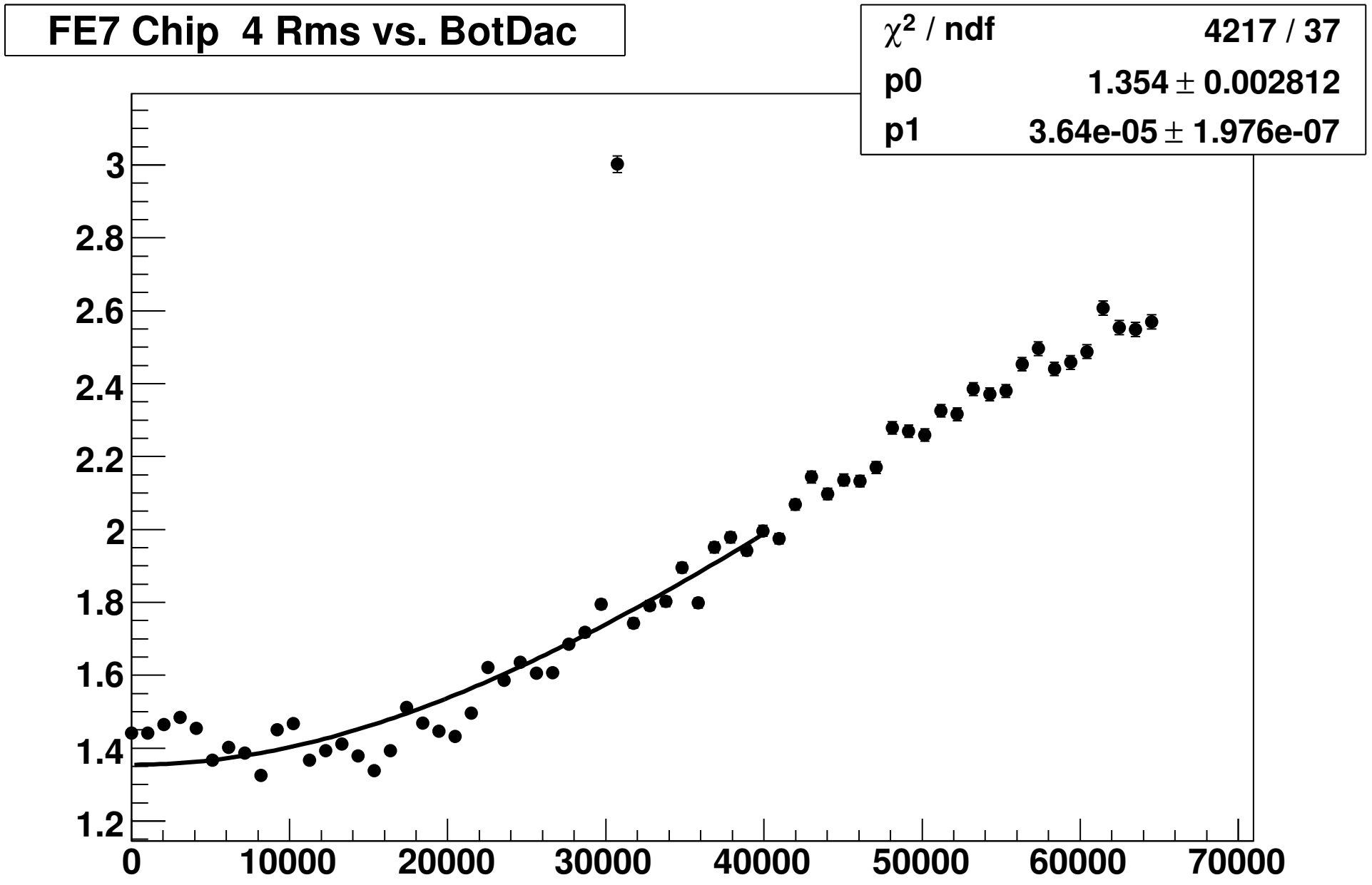
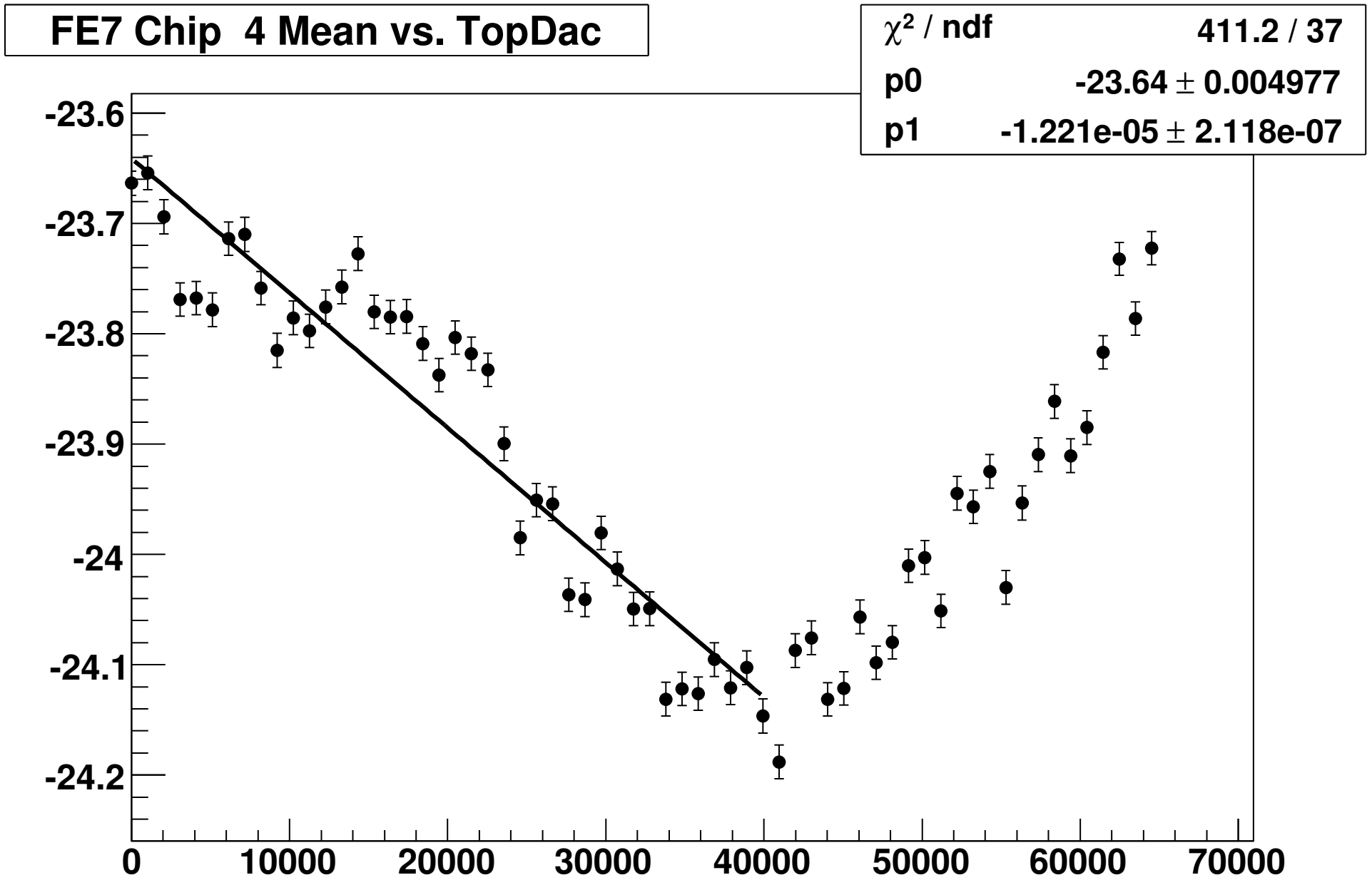
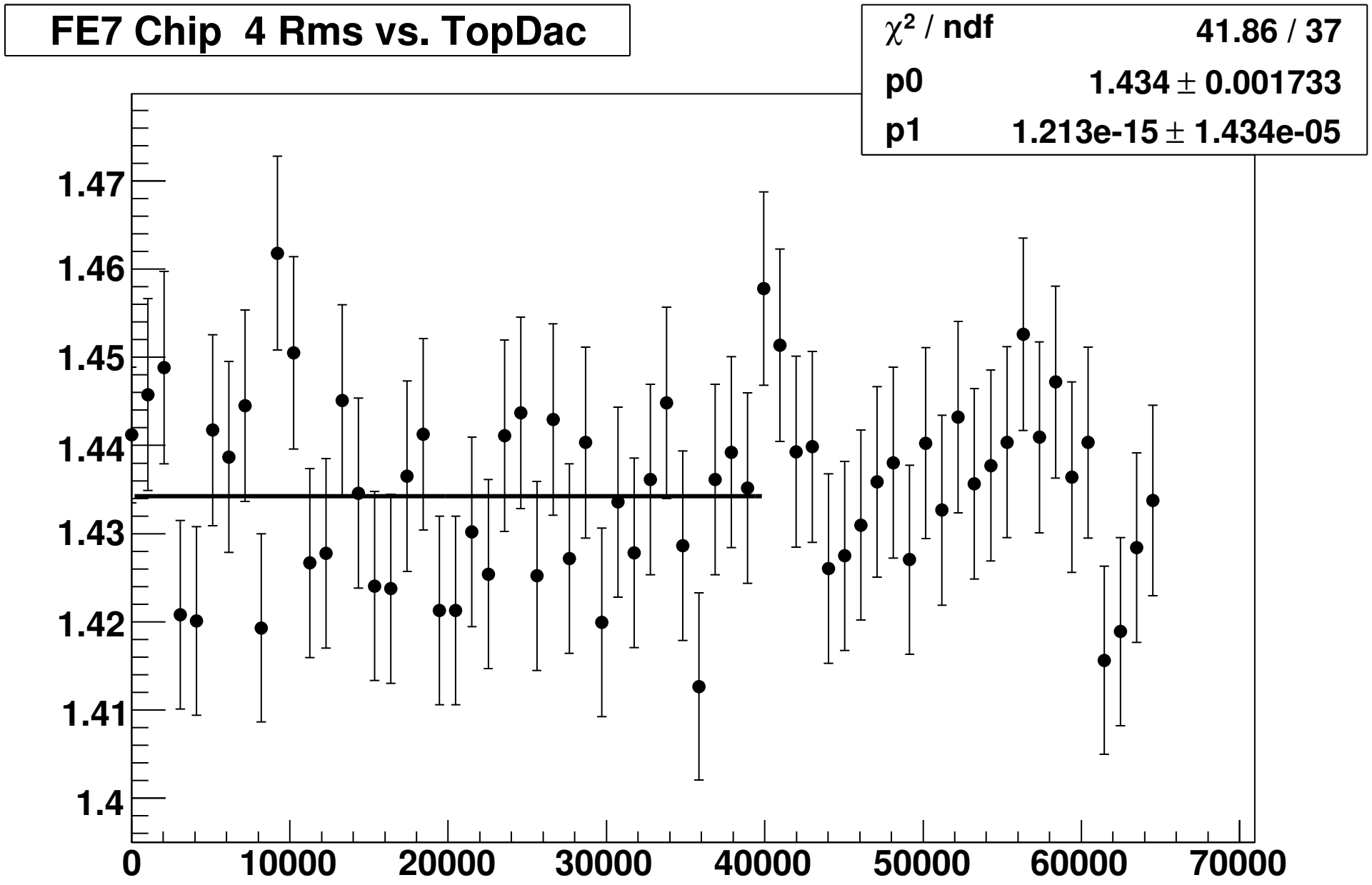
40000
50000
60000
70000

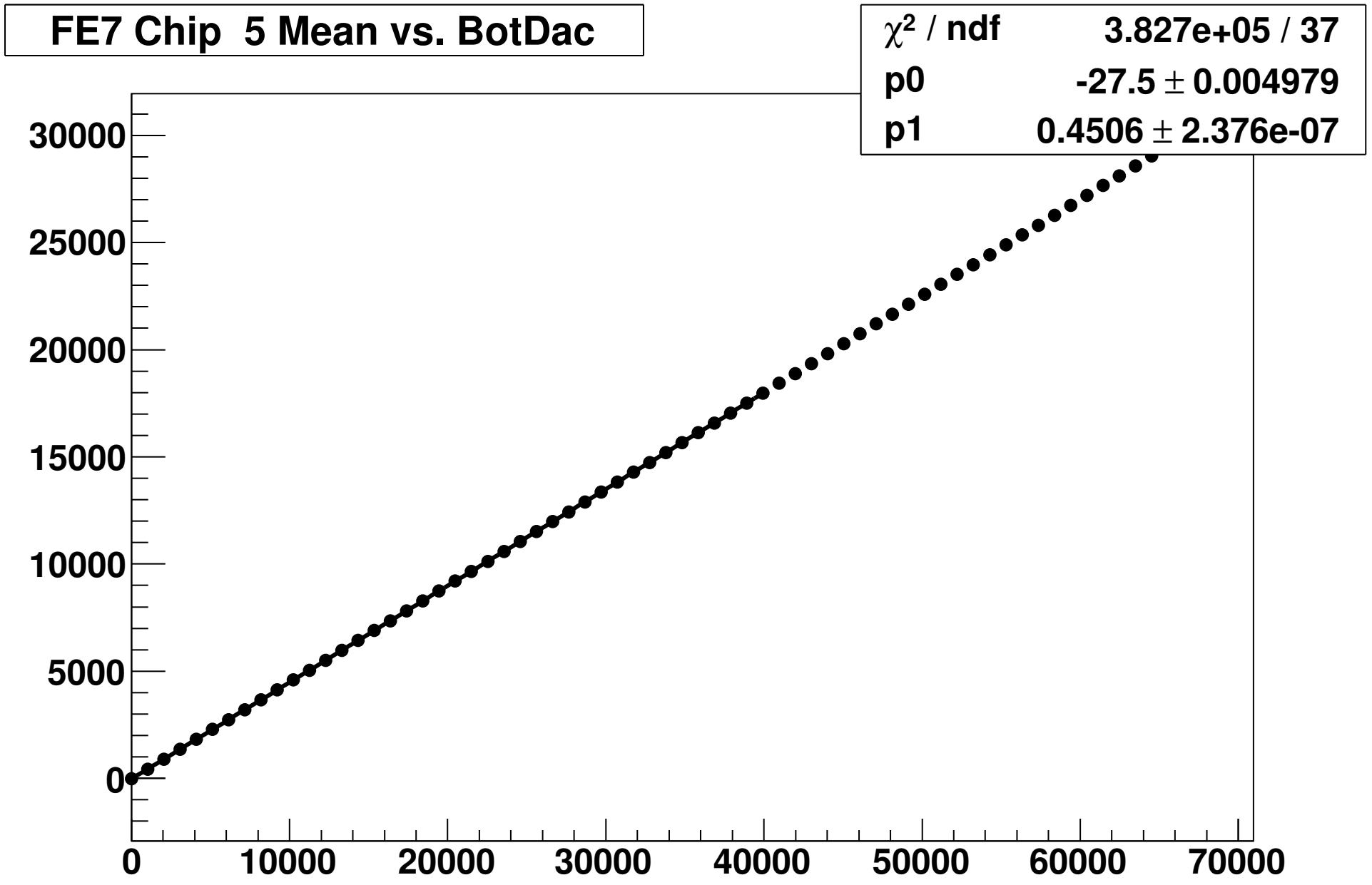

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 54.55 / 37
p0 1.446 ± 0.001741
p1 7.27e-16 ± 1.187e-06
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

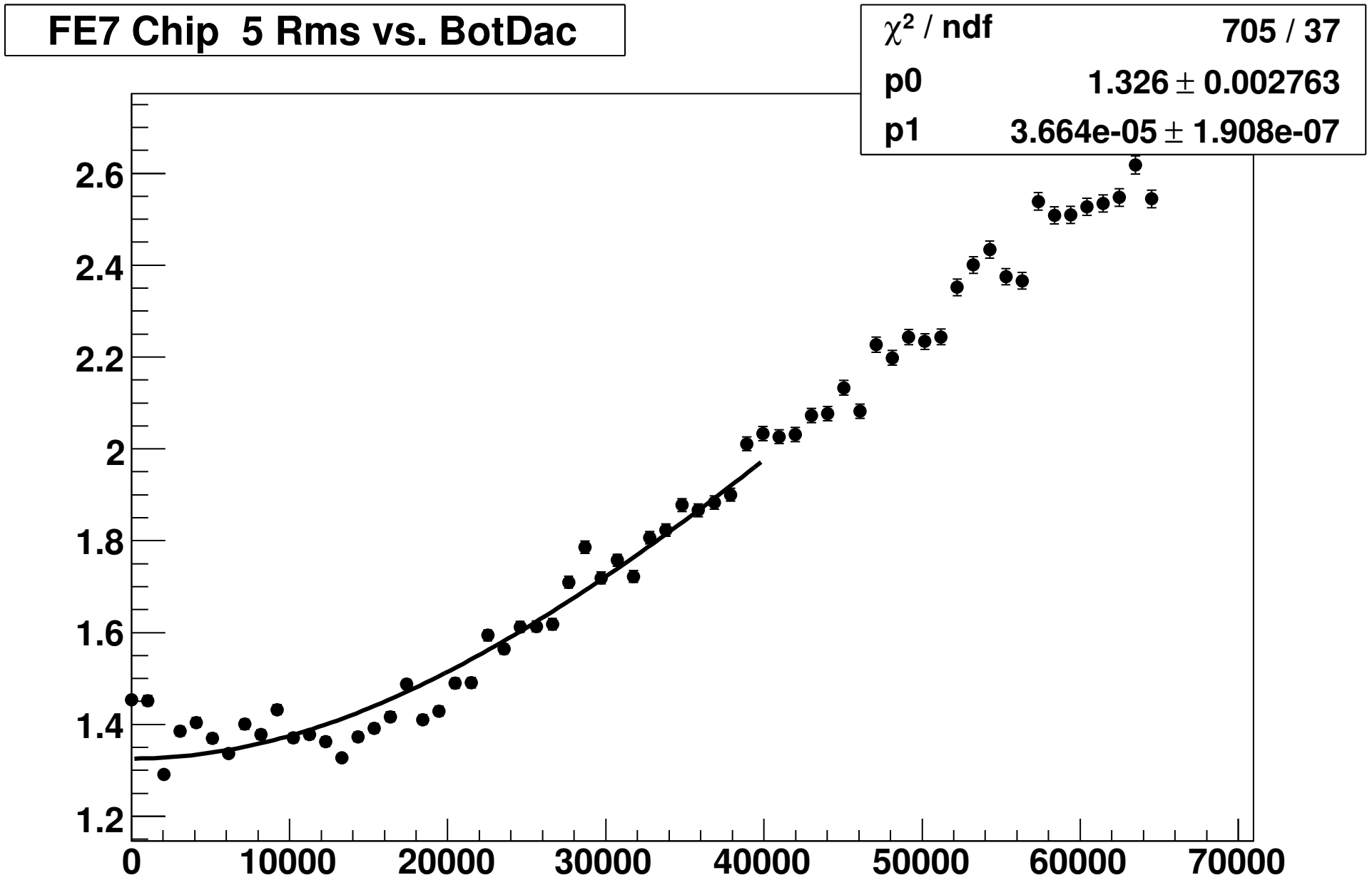

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 3.659e+05 / 37
p0 -23.62 ± 0.005113
p1 0.4506 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

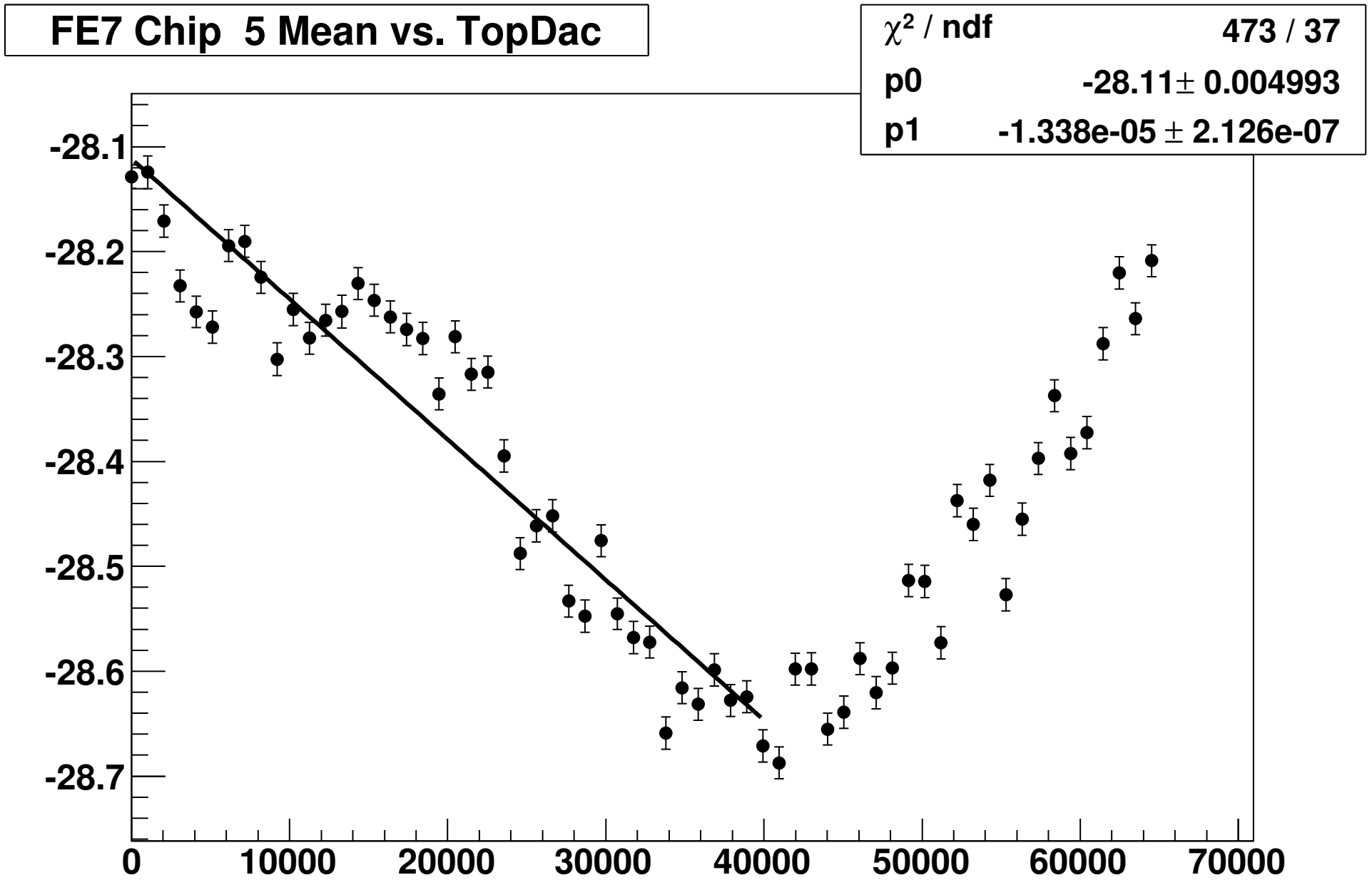

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 4217 / 37
p0 1.354 ± 0.002812
p1 3.64e-05 ± 1.976e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

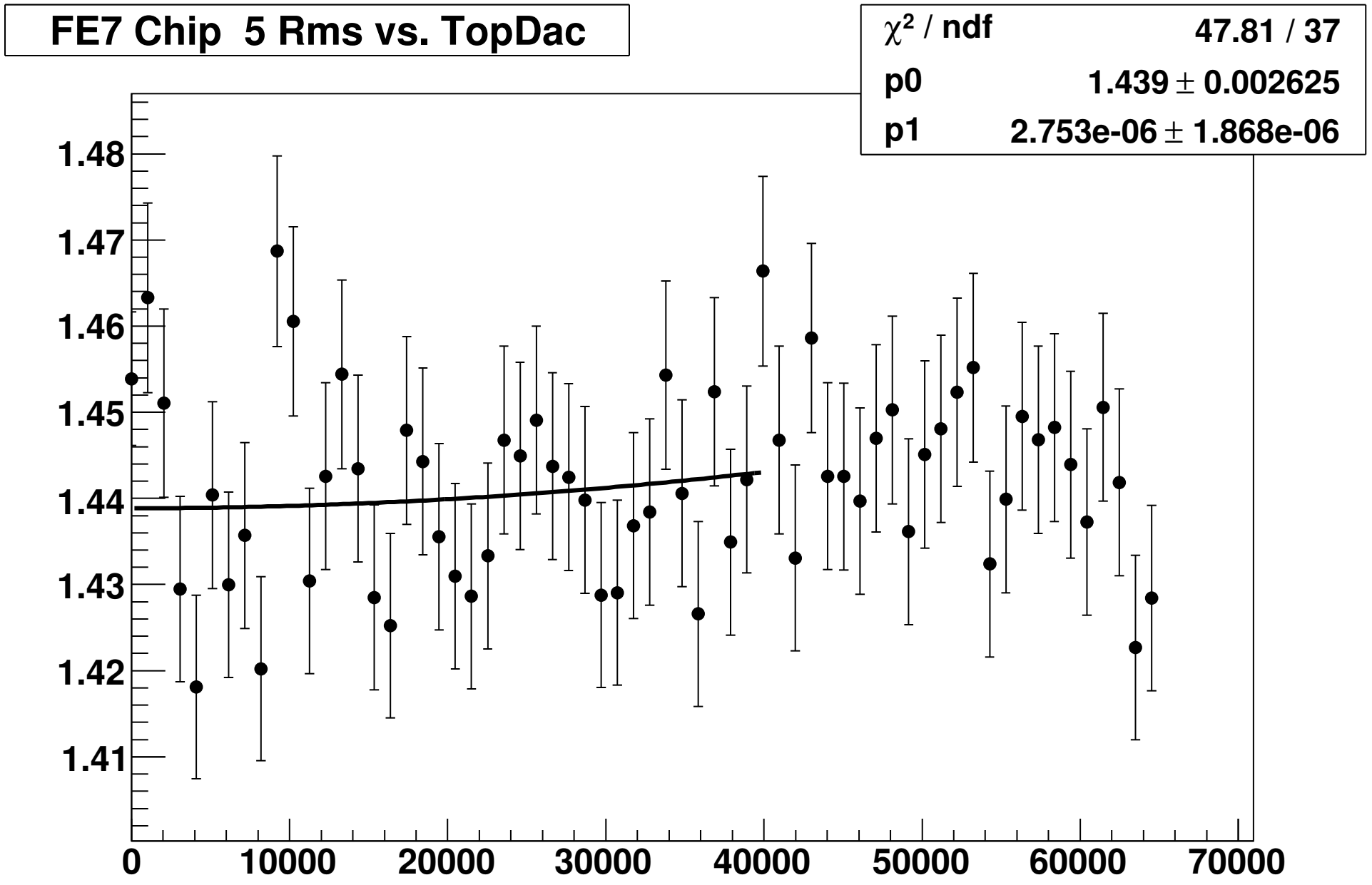

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 411.2 / 37
p0 -23.64 ± 0.004977
p1 -1.221e-05 ± 2.118e-07
-23.6
-23.7
-23.8
-23.9
-24
-24.1
-24.2
0
10000
20000
30000
40000
50000
60000
70000

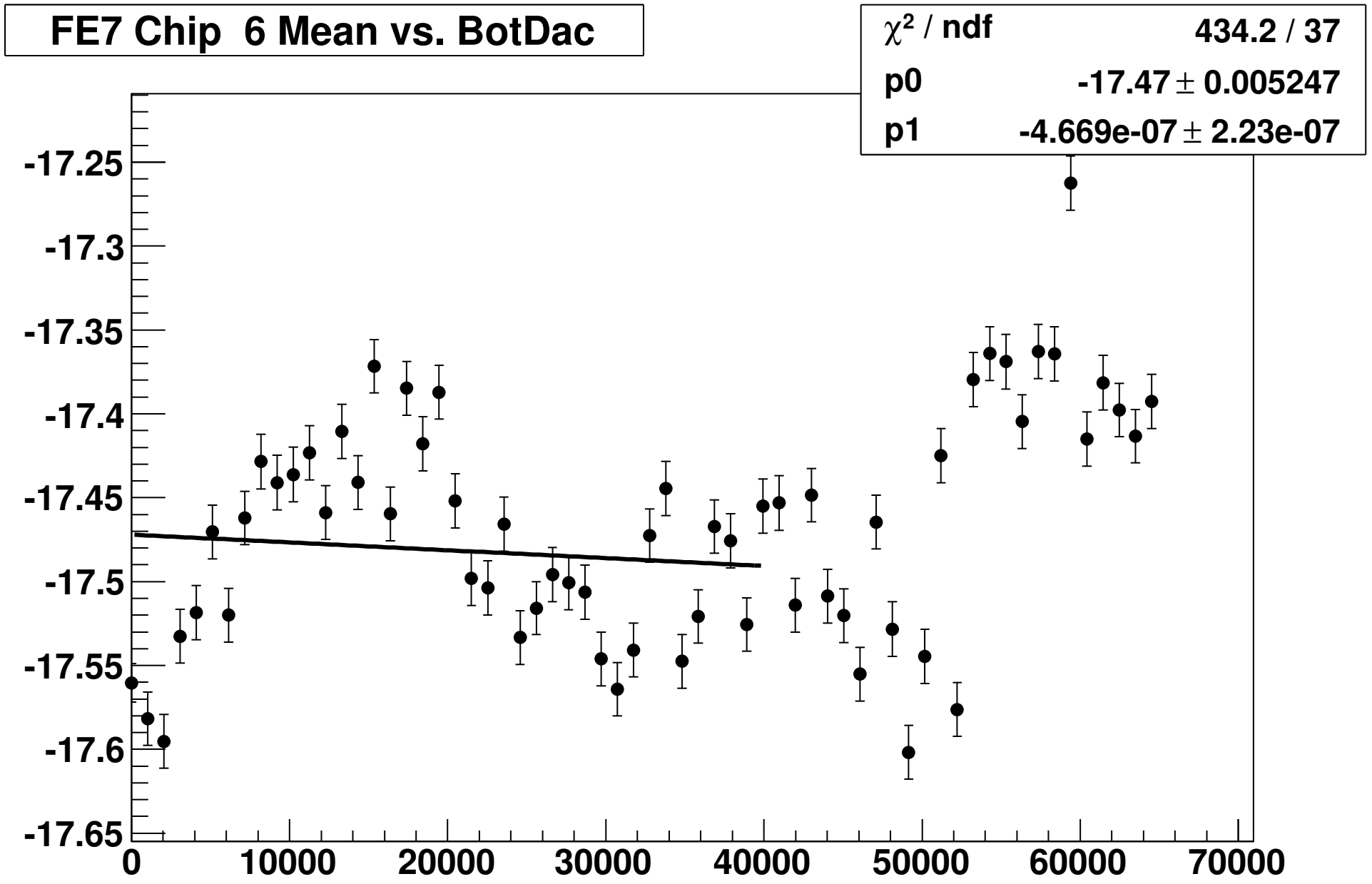

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 41.86 / 37
p0 1.434 ± 0.001733
p1 1.213e-15 ± 1.434e-05
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

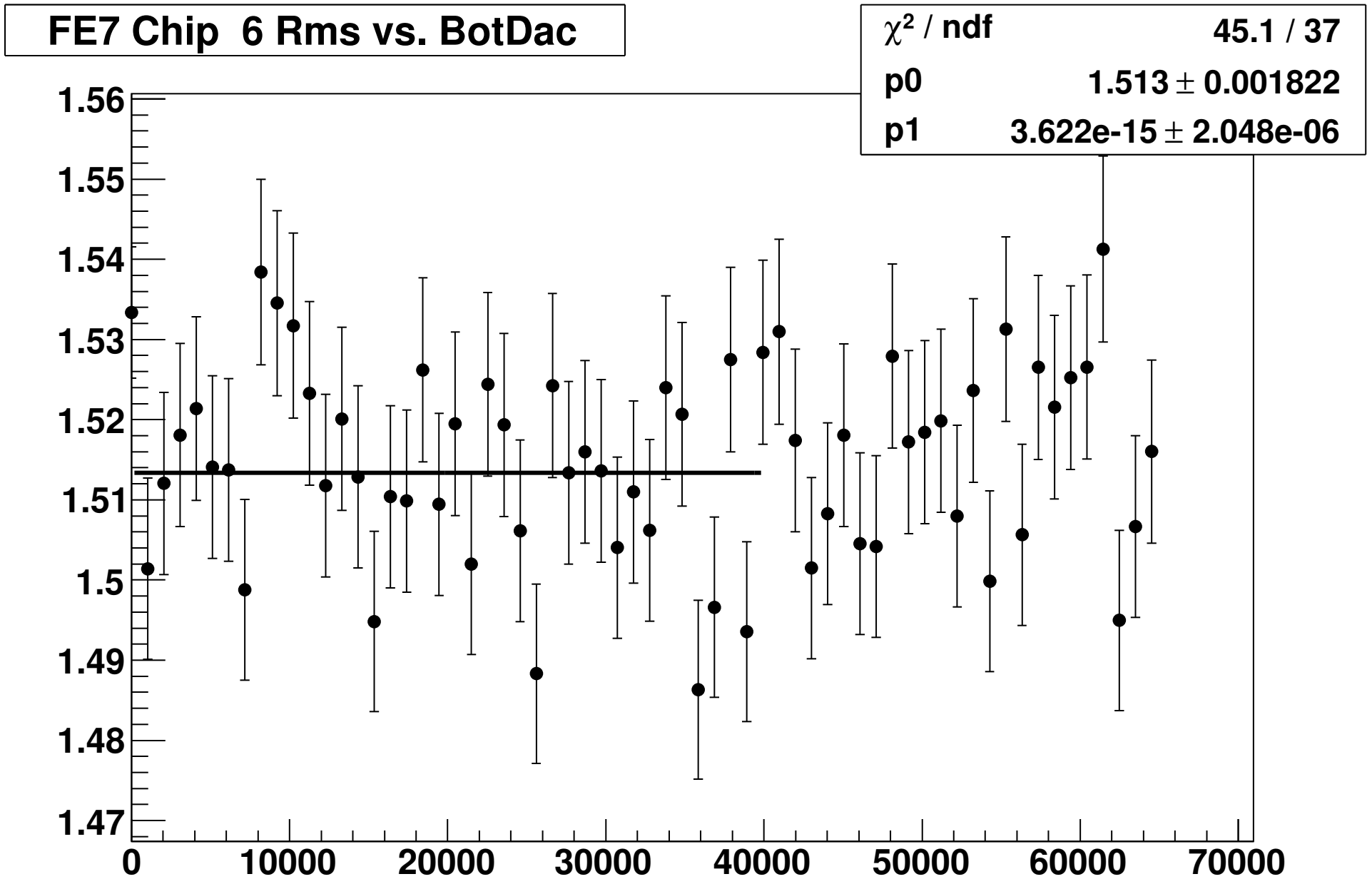

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 3.827e+05 / 37
p0 -27.5 ± 0.004979
p1 0.4506 ± 2.376e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

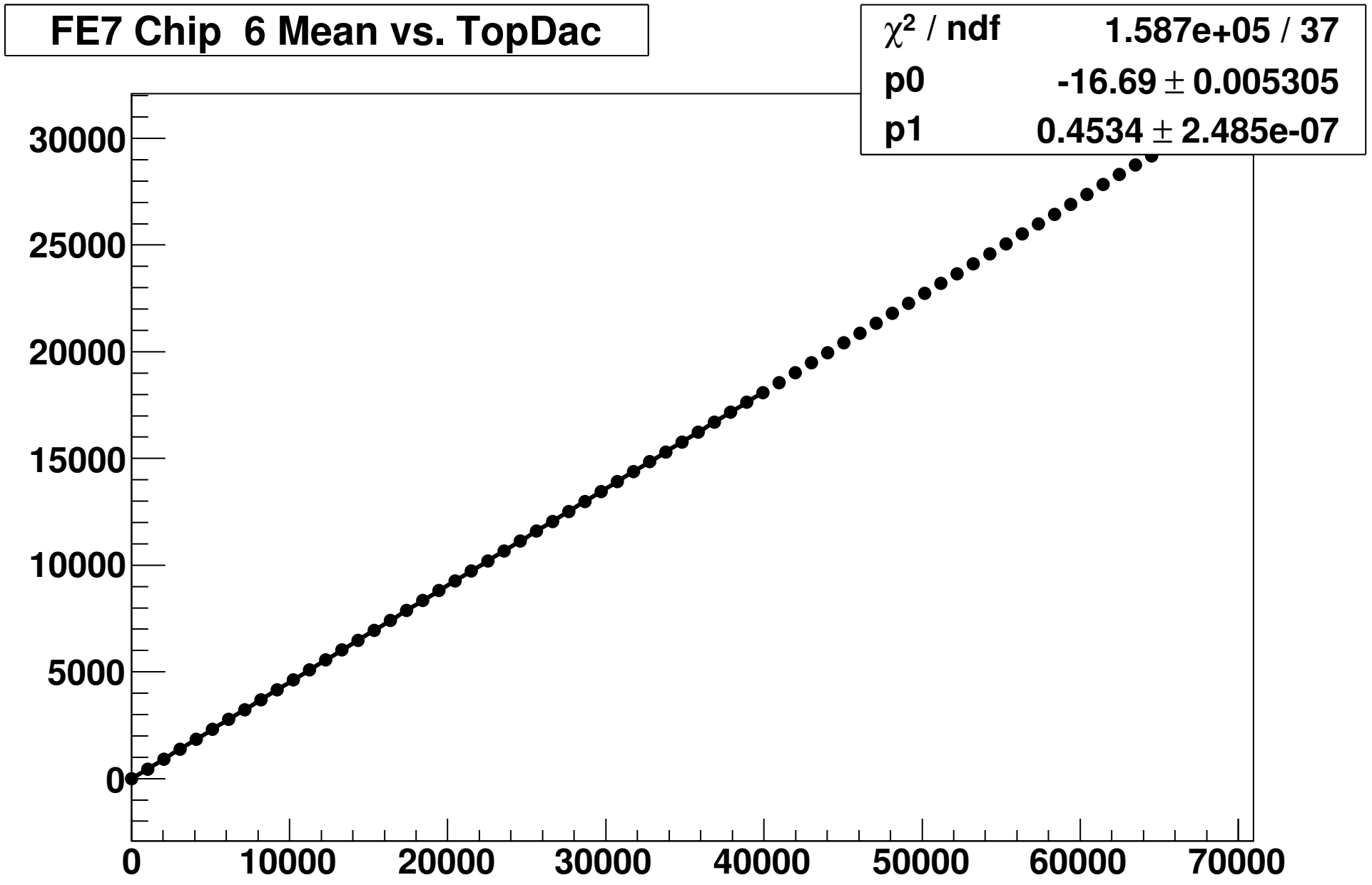

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 705 / 37
p0 1.326 ± 0.002763
p1 3.664e-05 ± 1.908e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

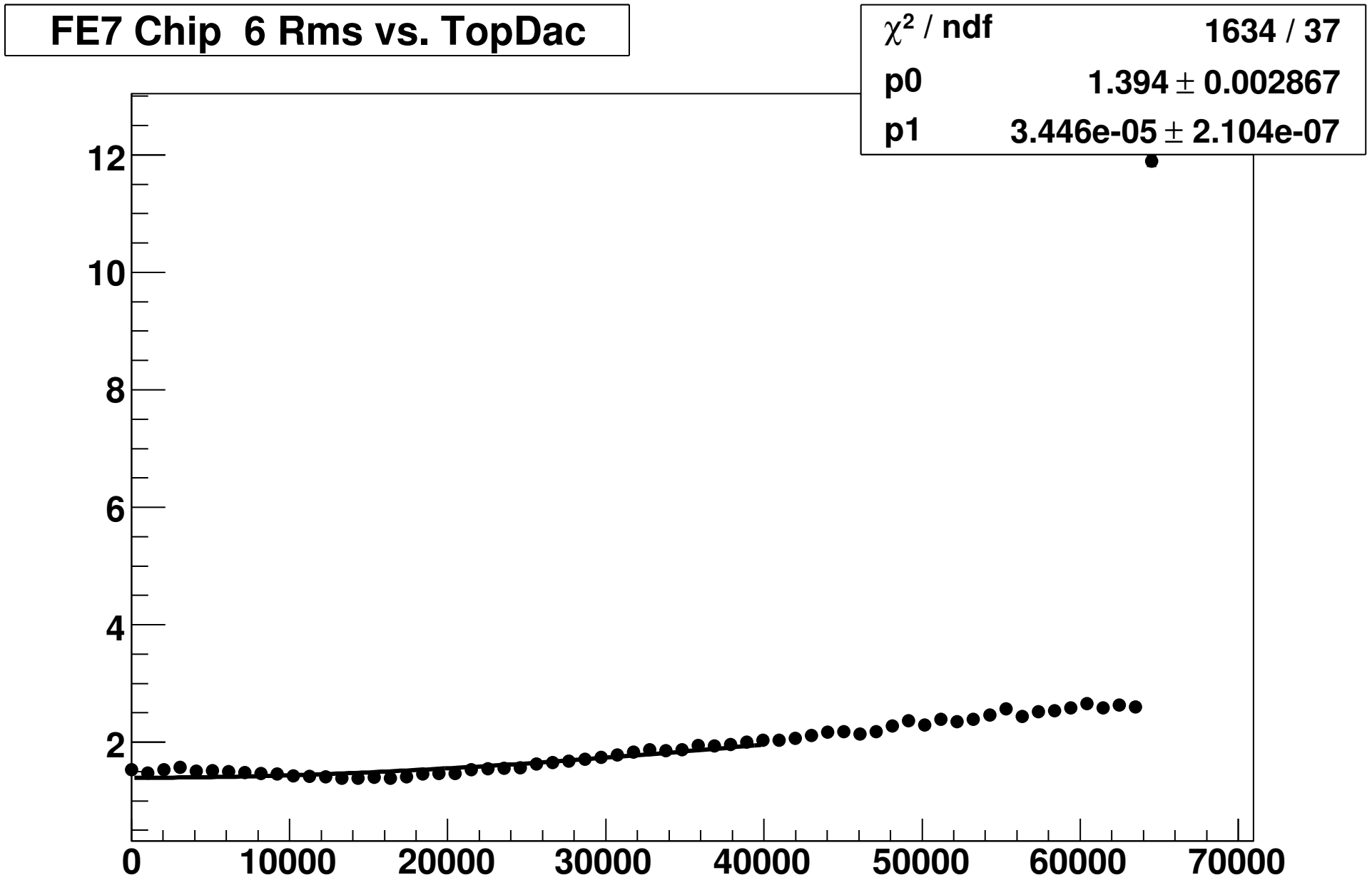

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 473 / 37
p0 -28.11 ± 0.004993
p1 -1.338e-05 ± 2.126e-07
-28.1
-28.2
-28.3
-28.4
-28.5
-28.6
-28.7
0
10000
20000
30000
40000
50000
60000
70000

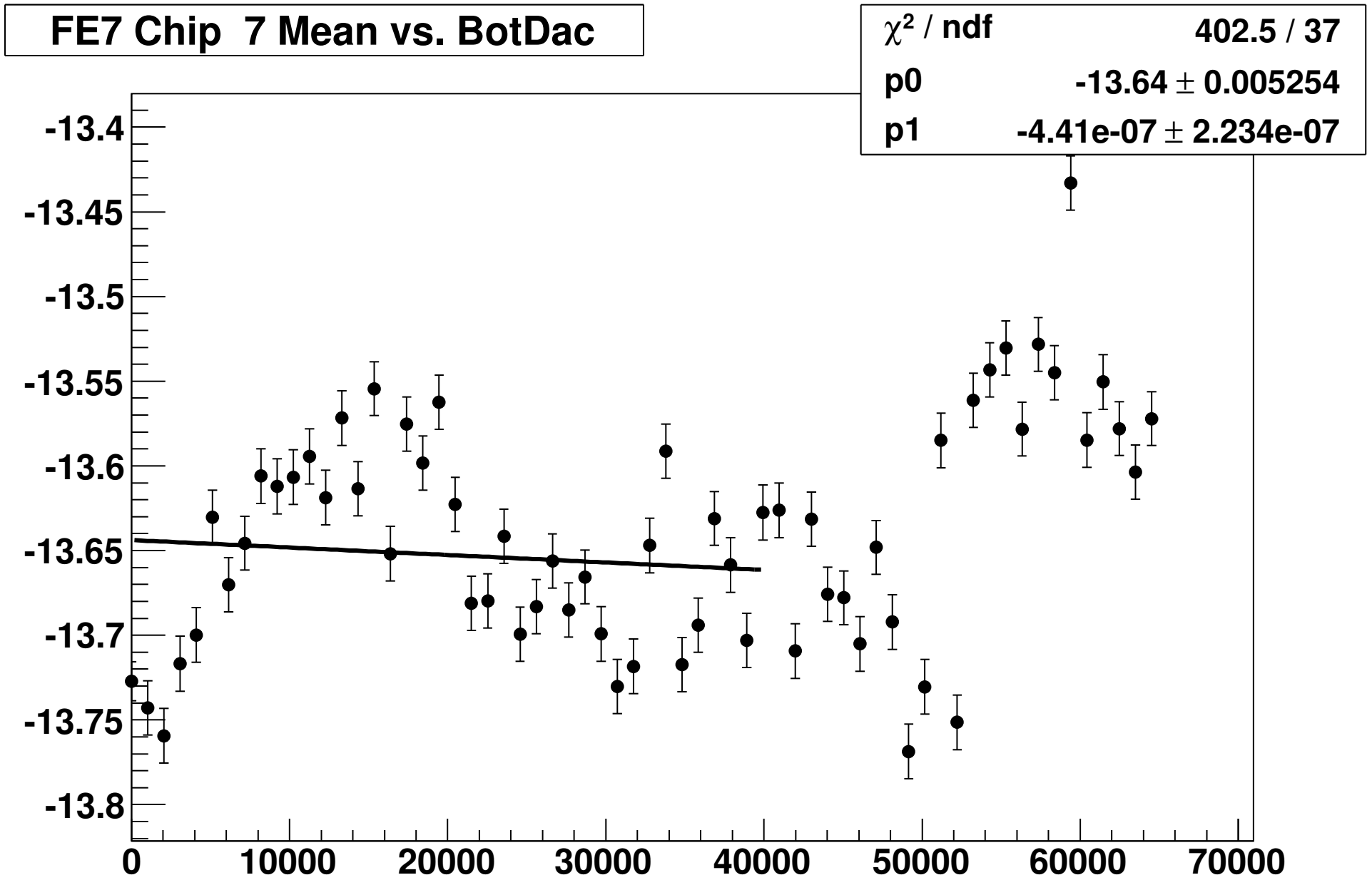

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 47.81 / 37
p0 1.439 ± 0.002625
p1 2.753e-06 ± 1.868e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

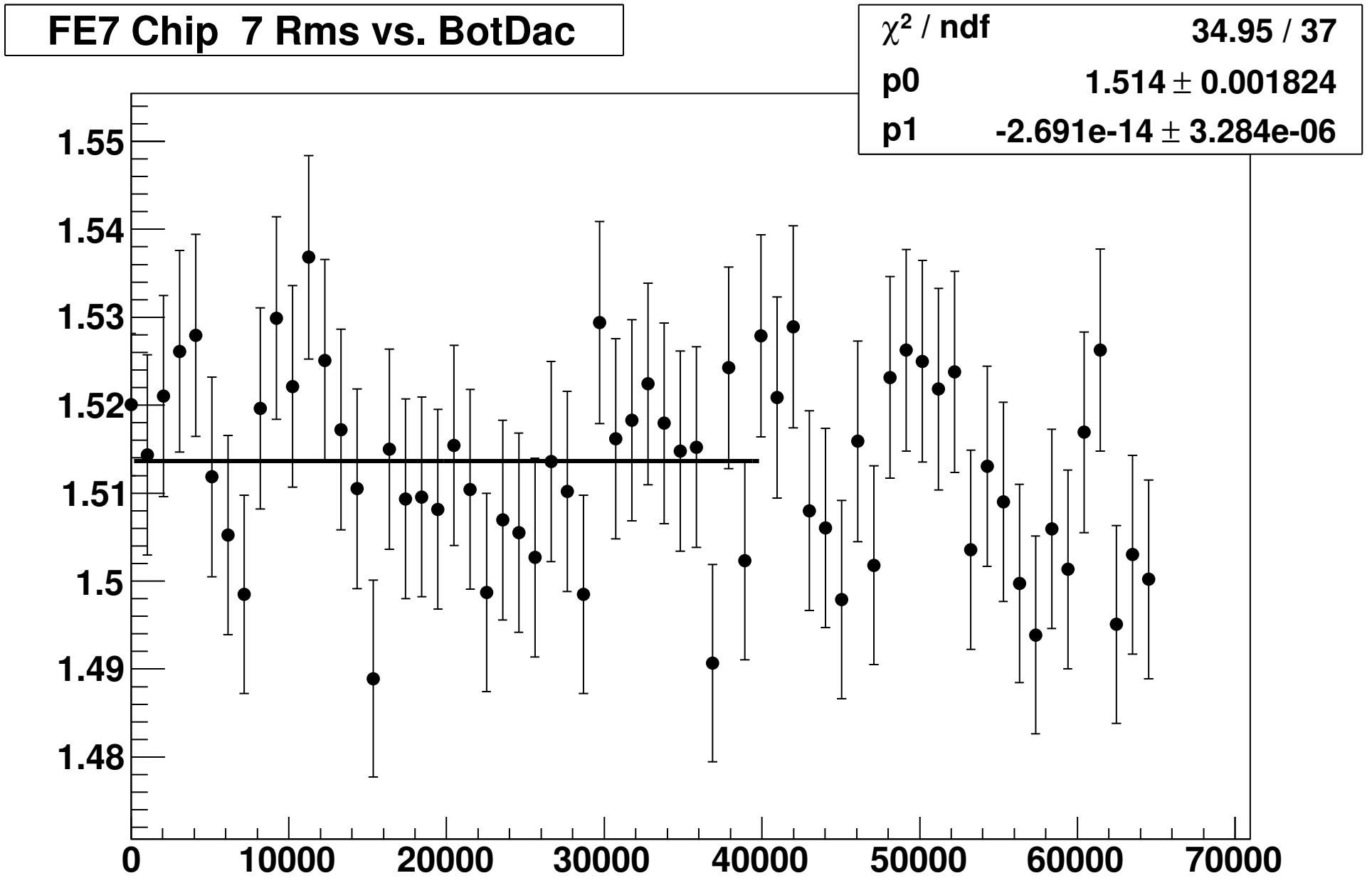

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 434.2 / 37
p0 -17.47 ± 0.005247
p1 -4.669e-07 ± 2.23e-07
-17.25
-17.3
-17.35
-17.4
-17.45
-17.5
-17.55
-17.6
-17.65
0
10000
20000
30000
40000
50000
60000
70000

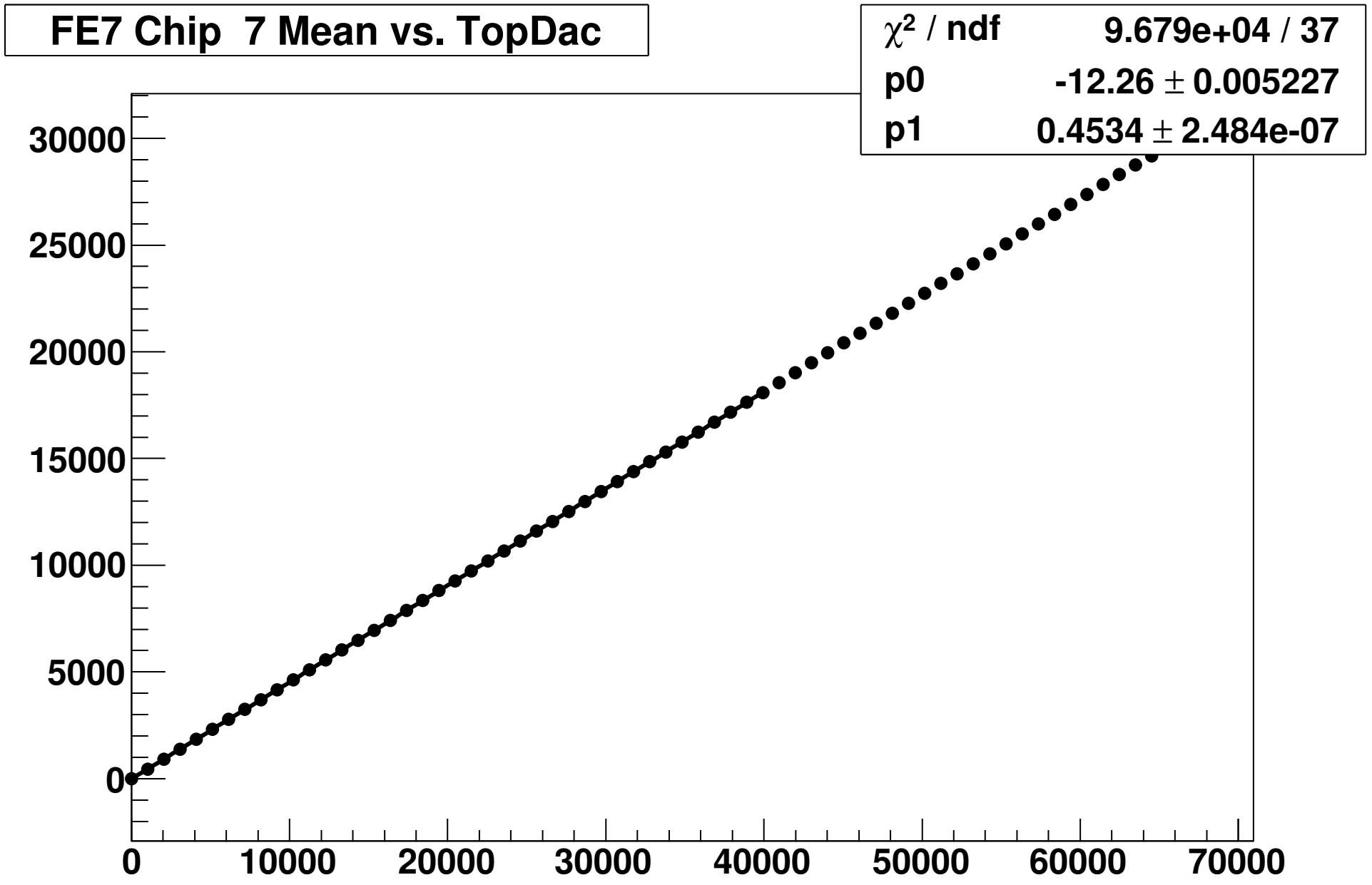

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 45.1 / 37
p0 1.513 ± 0.001822
p1 3.622e-15 ± 2.048e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

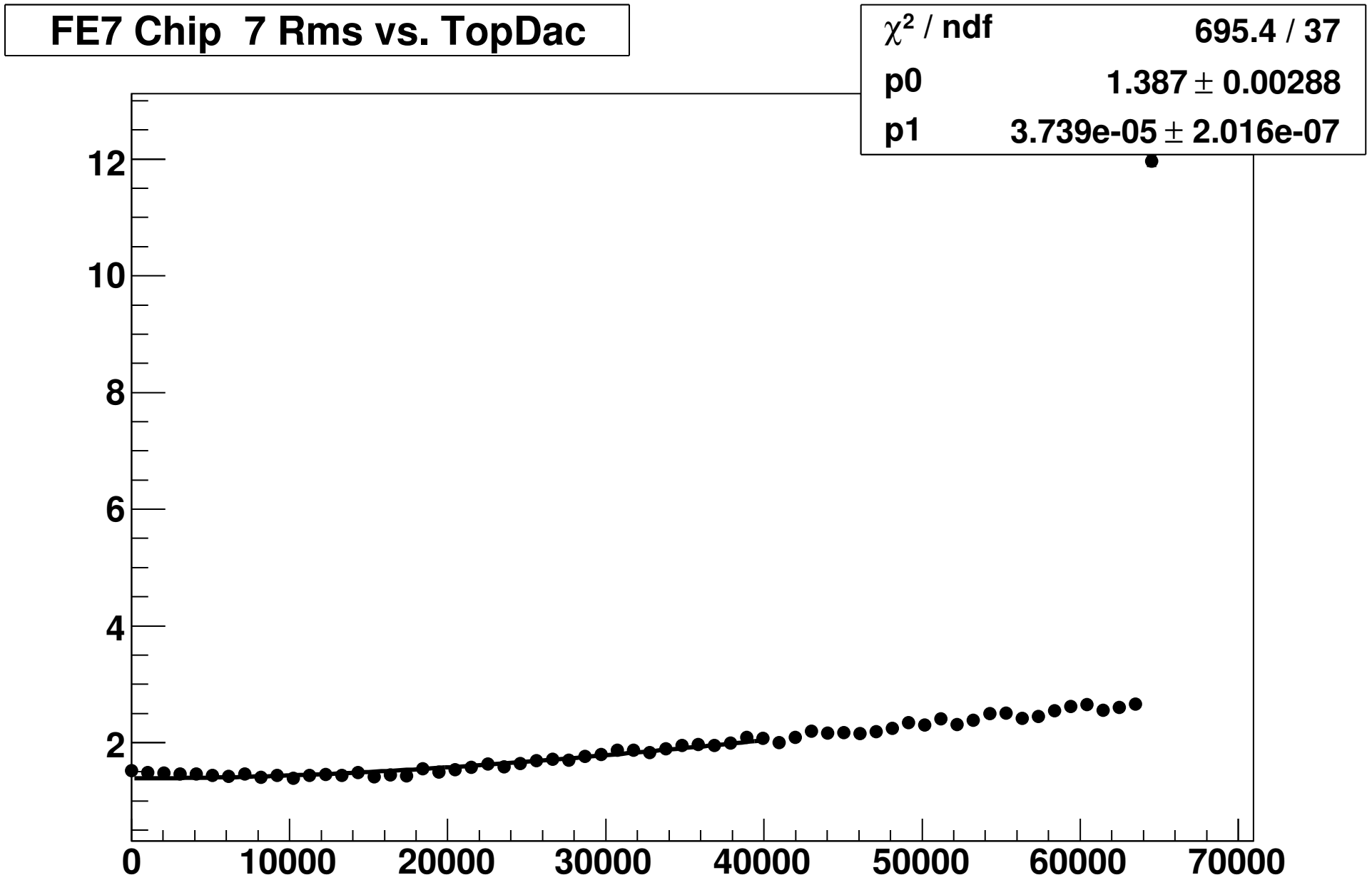

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.587e+05 / 37
p0 -16.69 ± 0.005305
p1 0.4534 ± 2.485e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

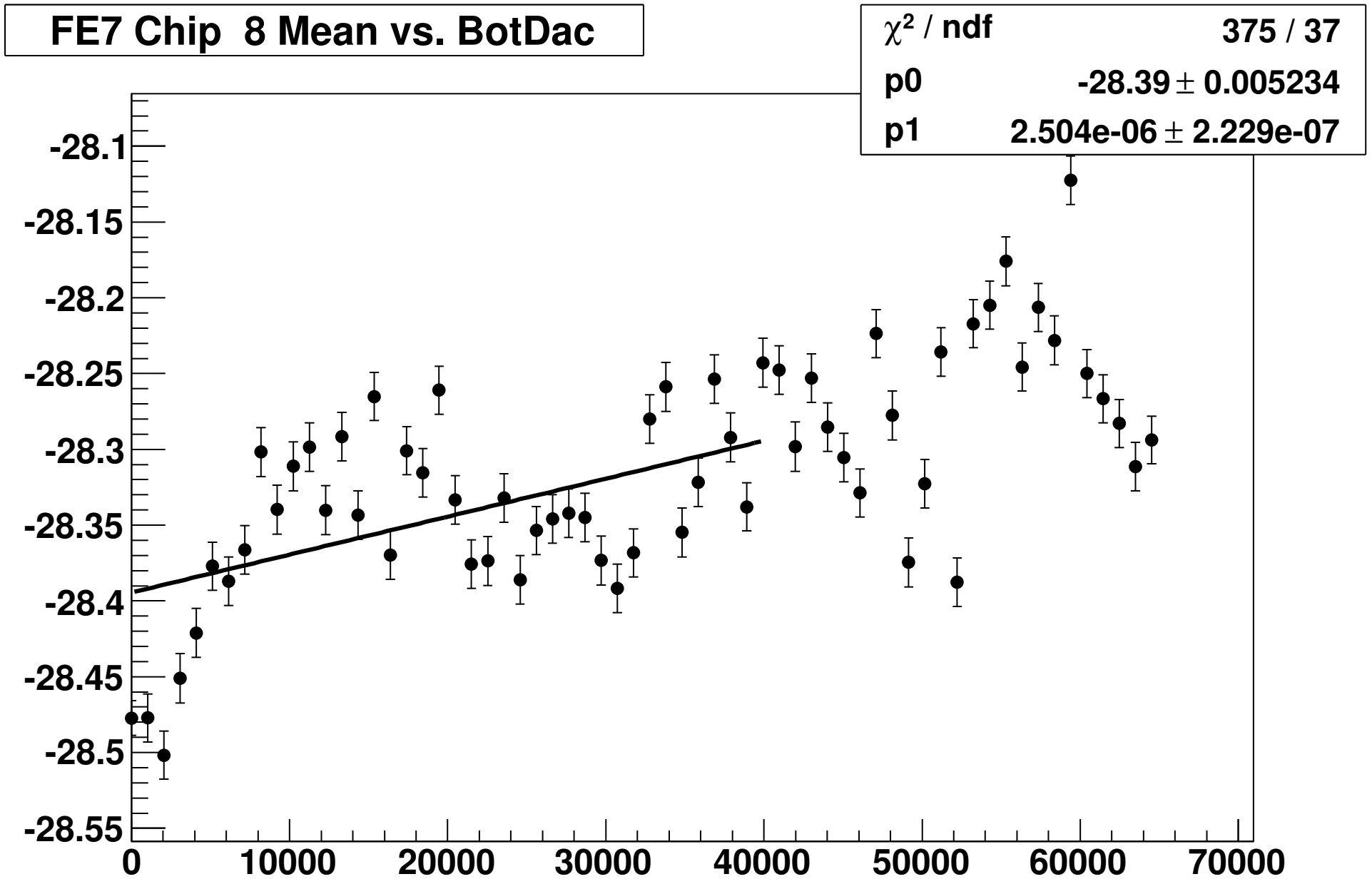

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1634 / 37
p0 1.394 ± 0.002867
p1 3.446e-05 ± 2.104e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

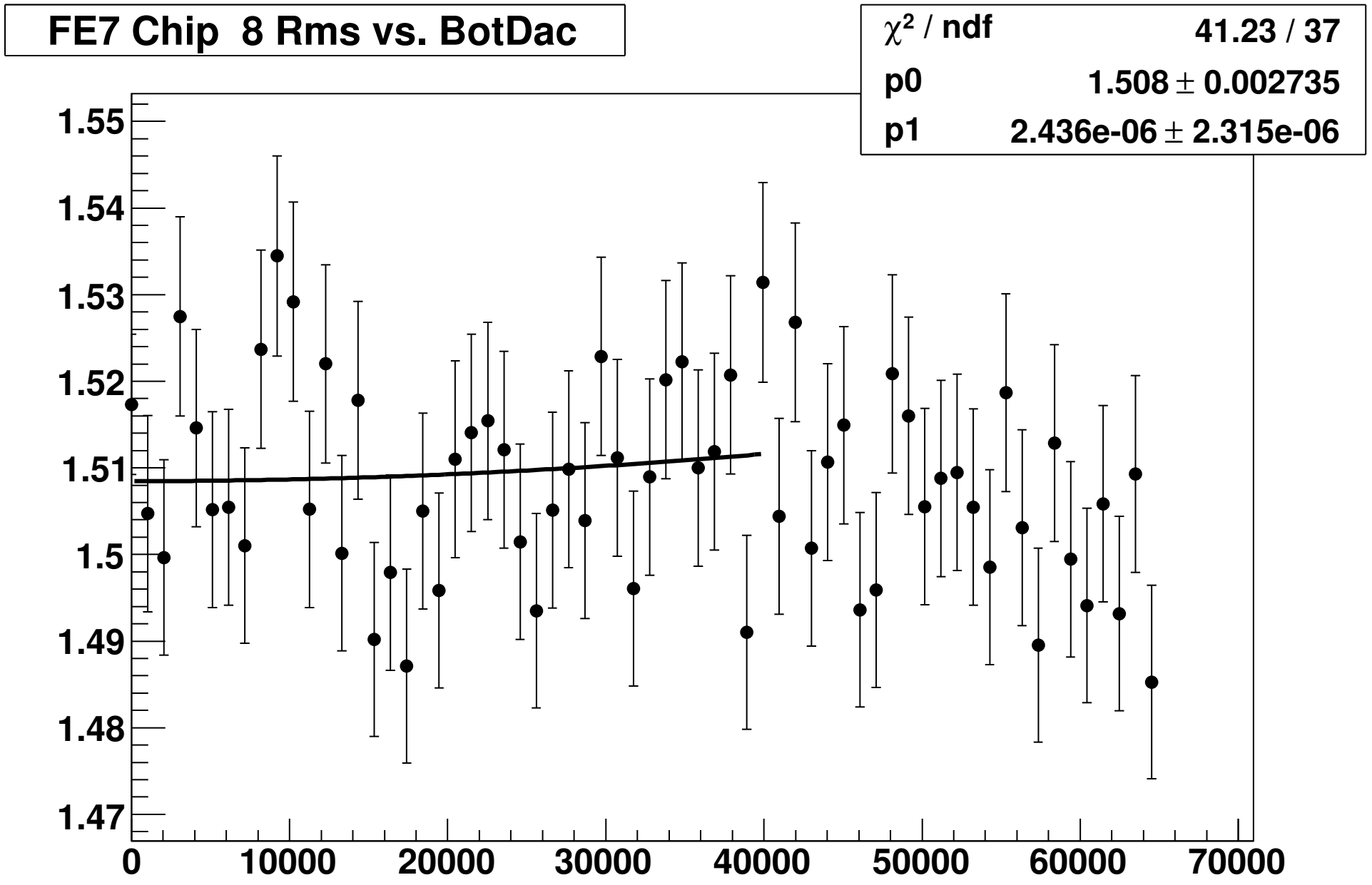

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 402.5 / 37
p0 -13.64 ± 0.005254
p1 -4.41e-07 ± 2.234e-07
-13.4
-13.45
-13.5
-13.55
-13.6
-13.65
-13.7
-13.75
-13.8
0
10000
20000
30000
40000
50000
60000
70000

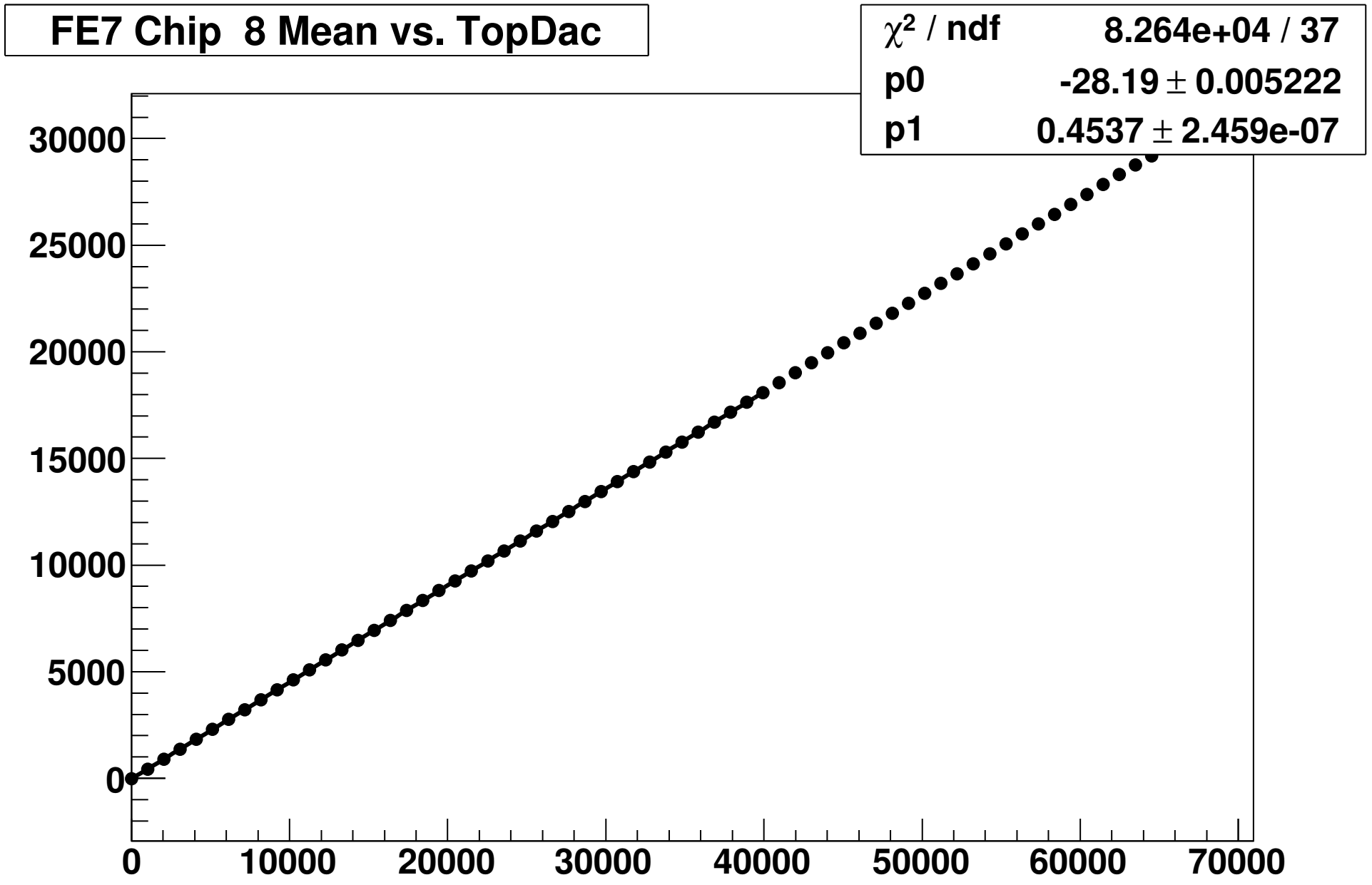

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 34.95 / 37
p0 1.514 ± 0.001824
p1 -2.691e-14 ± 3.284e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

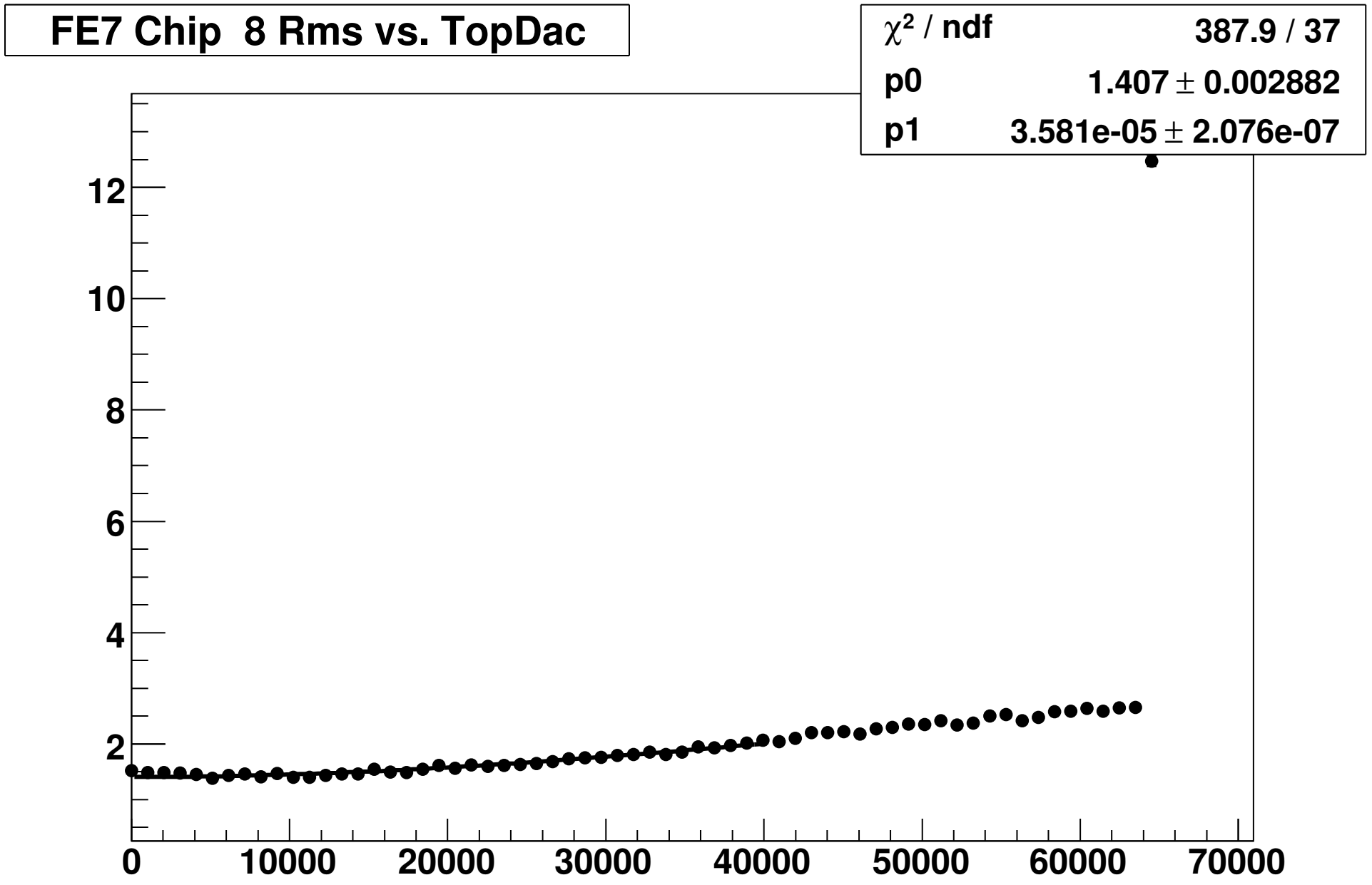

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 9.679e+04 / 37
p0 -12.26 ± 0.005227
p1 0.4534 ± 2.484e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

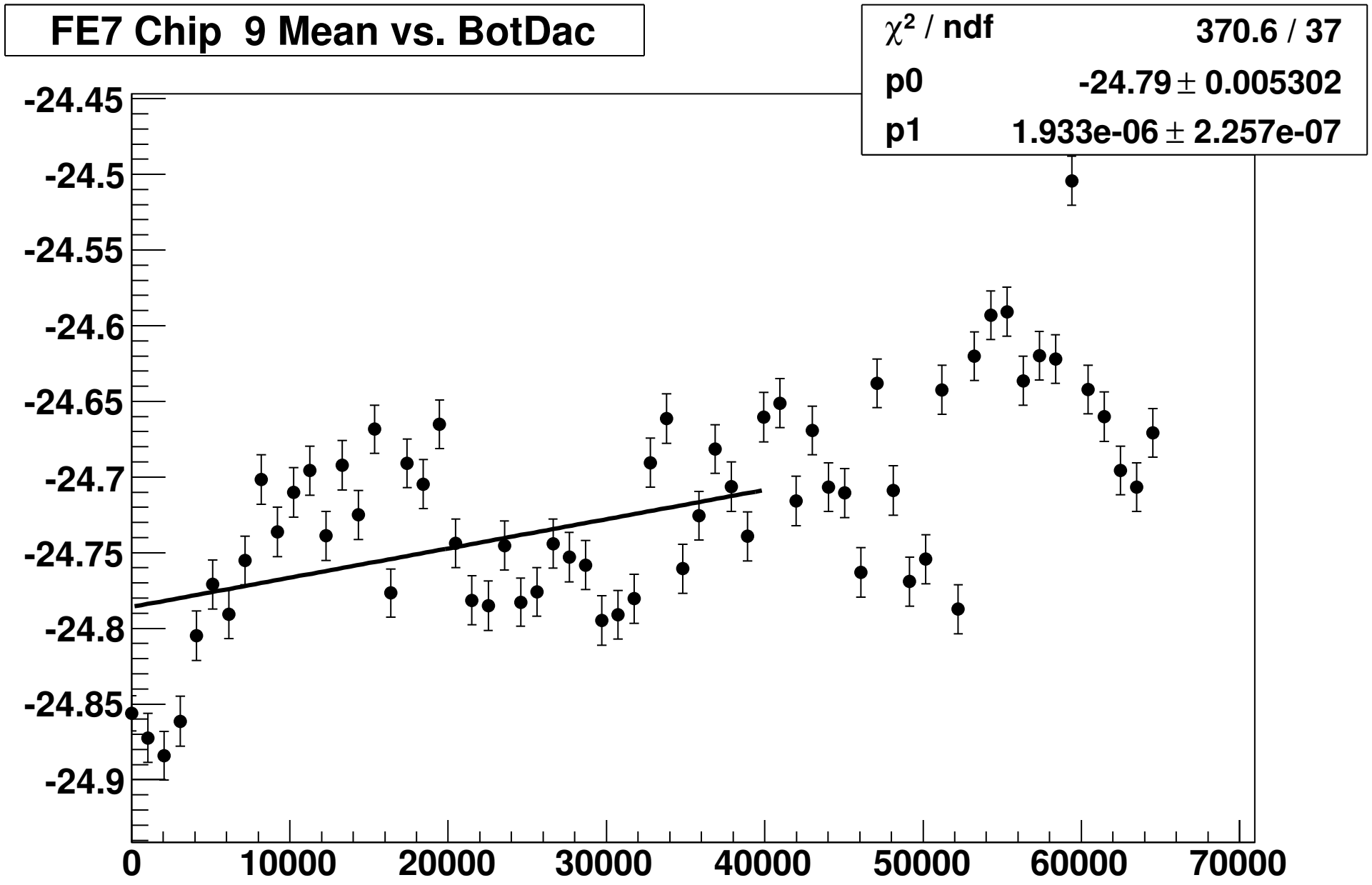

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 695.4 / 37
p0 1.387 ± 0.00288
p1 3.739e-05 ± 2.016e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

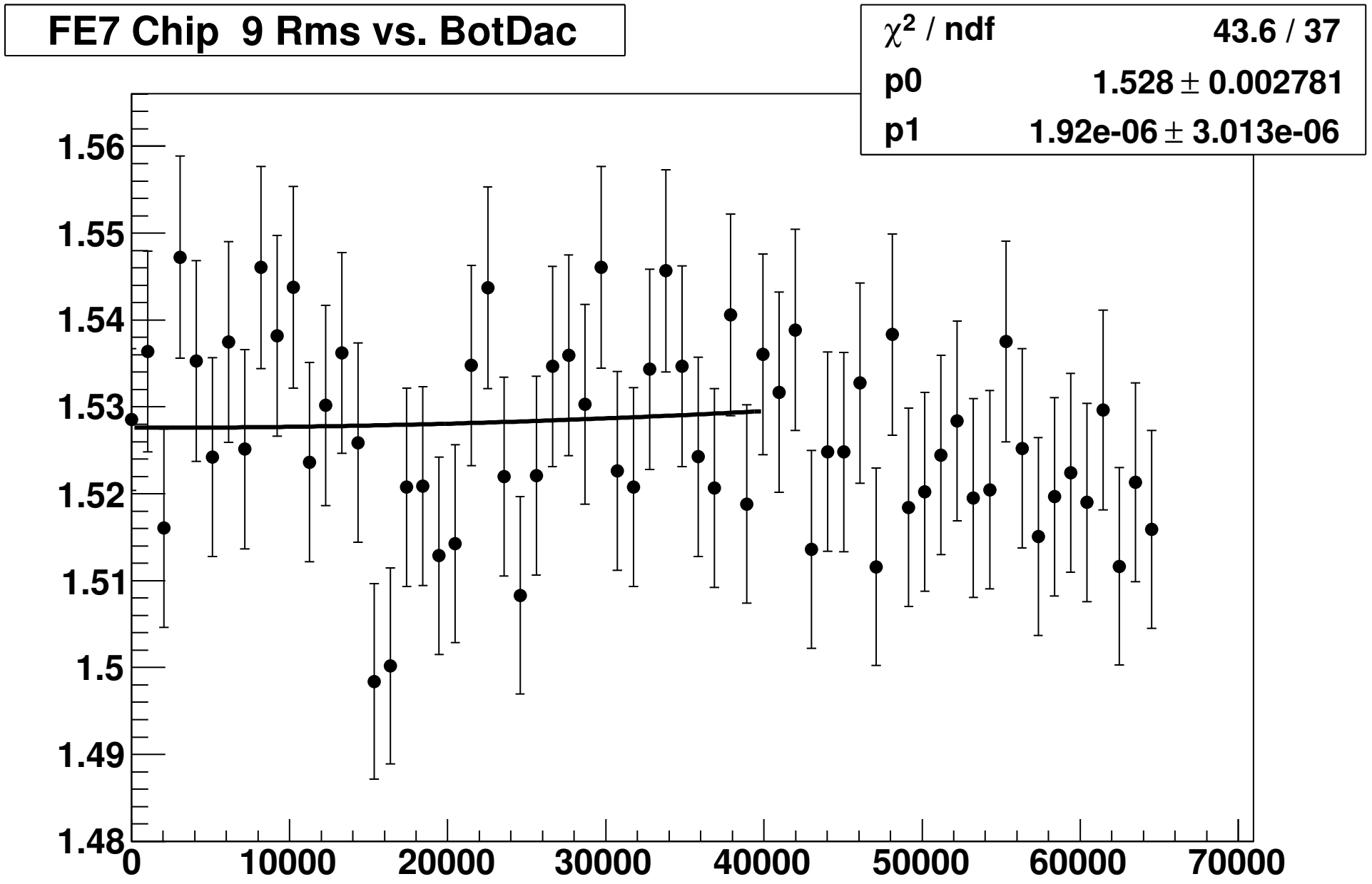

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 375 / 37
p0 -28.39 ± 0.005234
p1 2.504e-06 ± 2.229e-07
-28.1
-28.15
-28.2
-28.25
-28.3
-28.35
-28.4
-28.45
-28.5
-28.55
0
10000
20000
30000
40000
50000
60000
70000

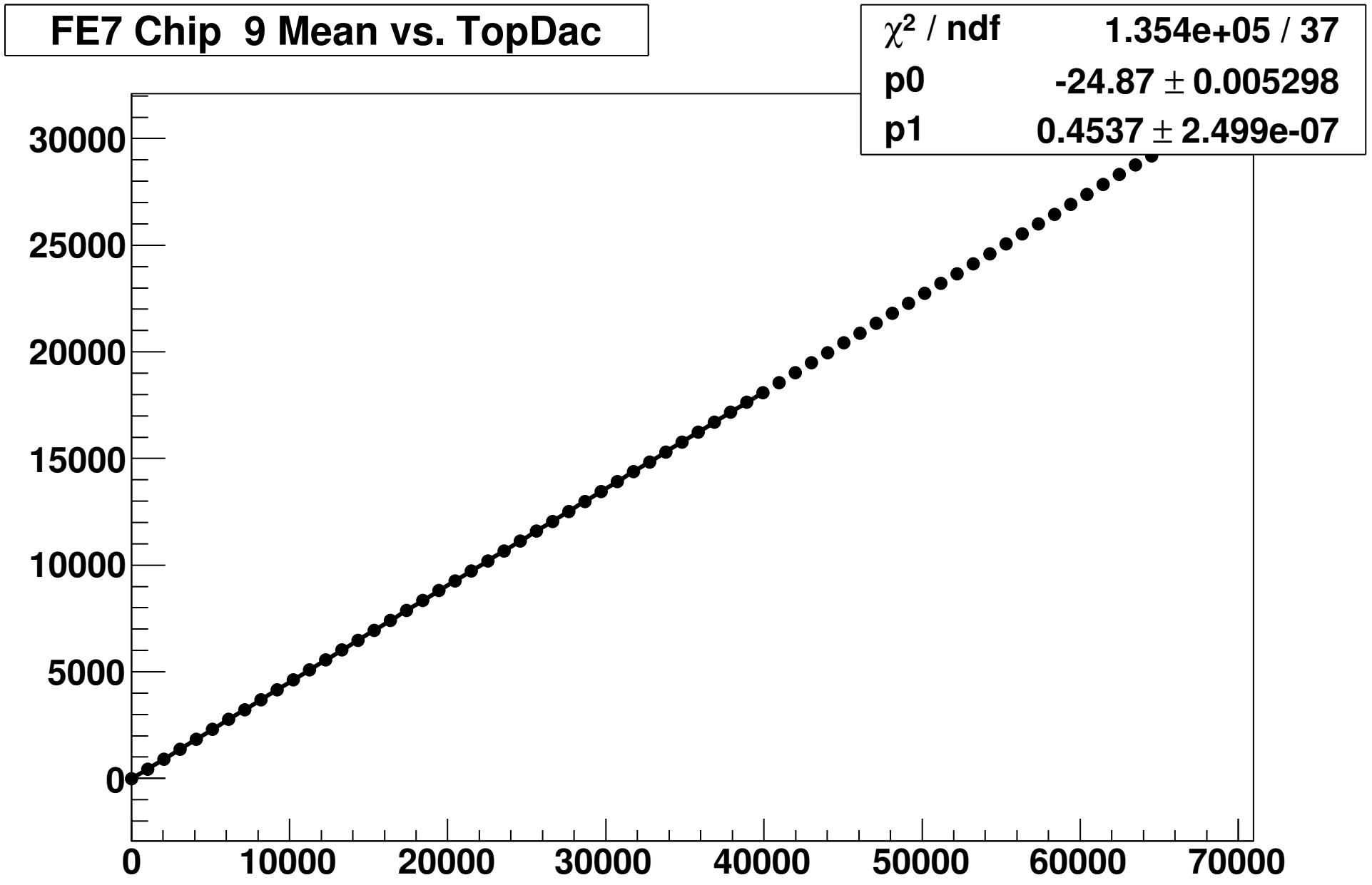

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 41.23 / 37
p0 1.508 ± 0.002735
p1 2.436e-06 ± 2.315e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

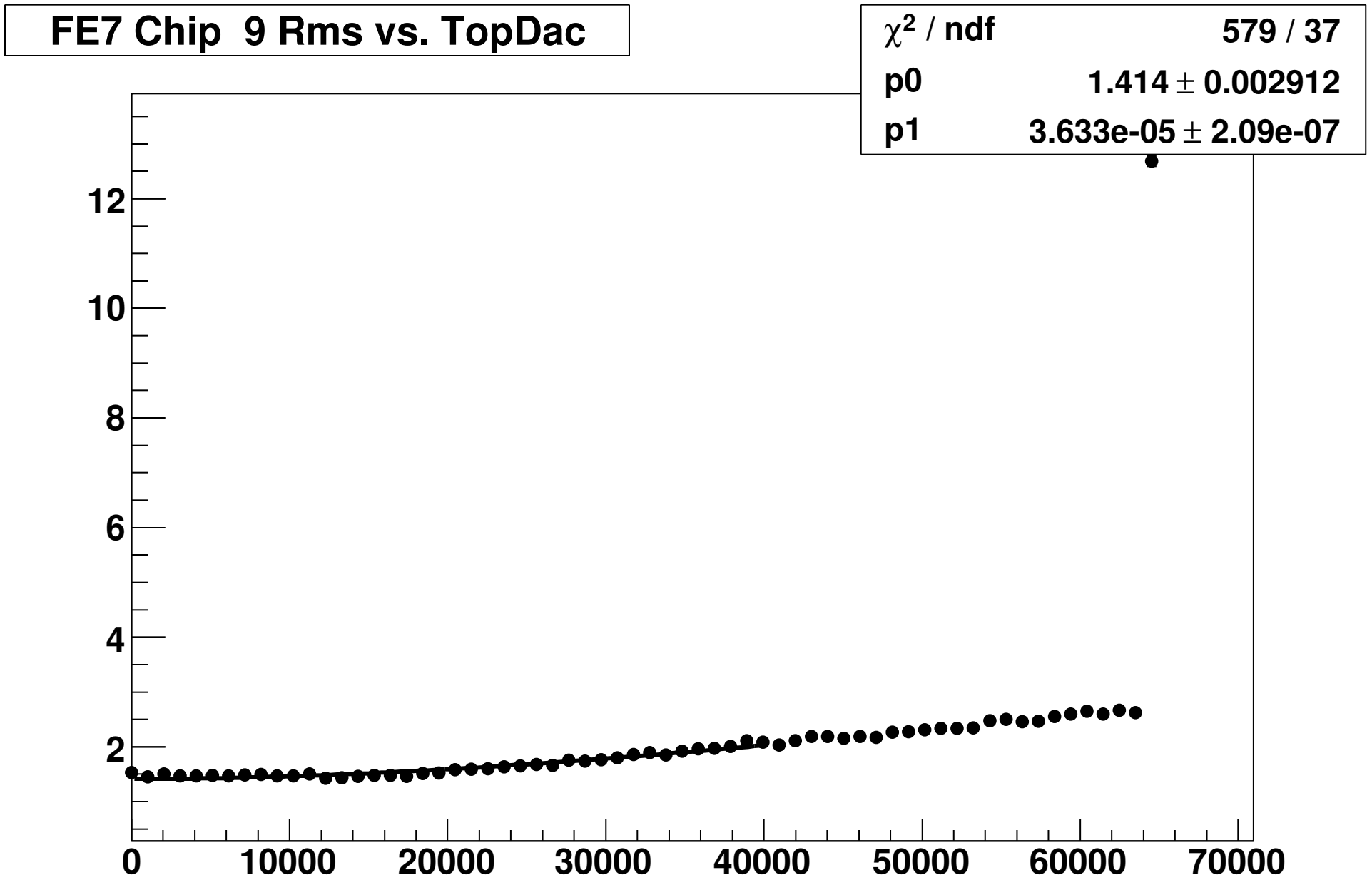

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 8.264e+04 / 37
p0 -28.19 ± 0.005222
p1 0.4537 ± 2.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

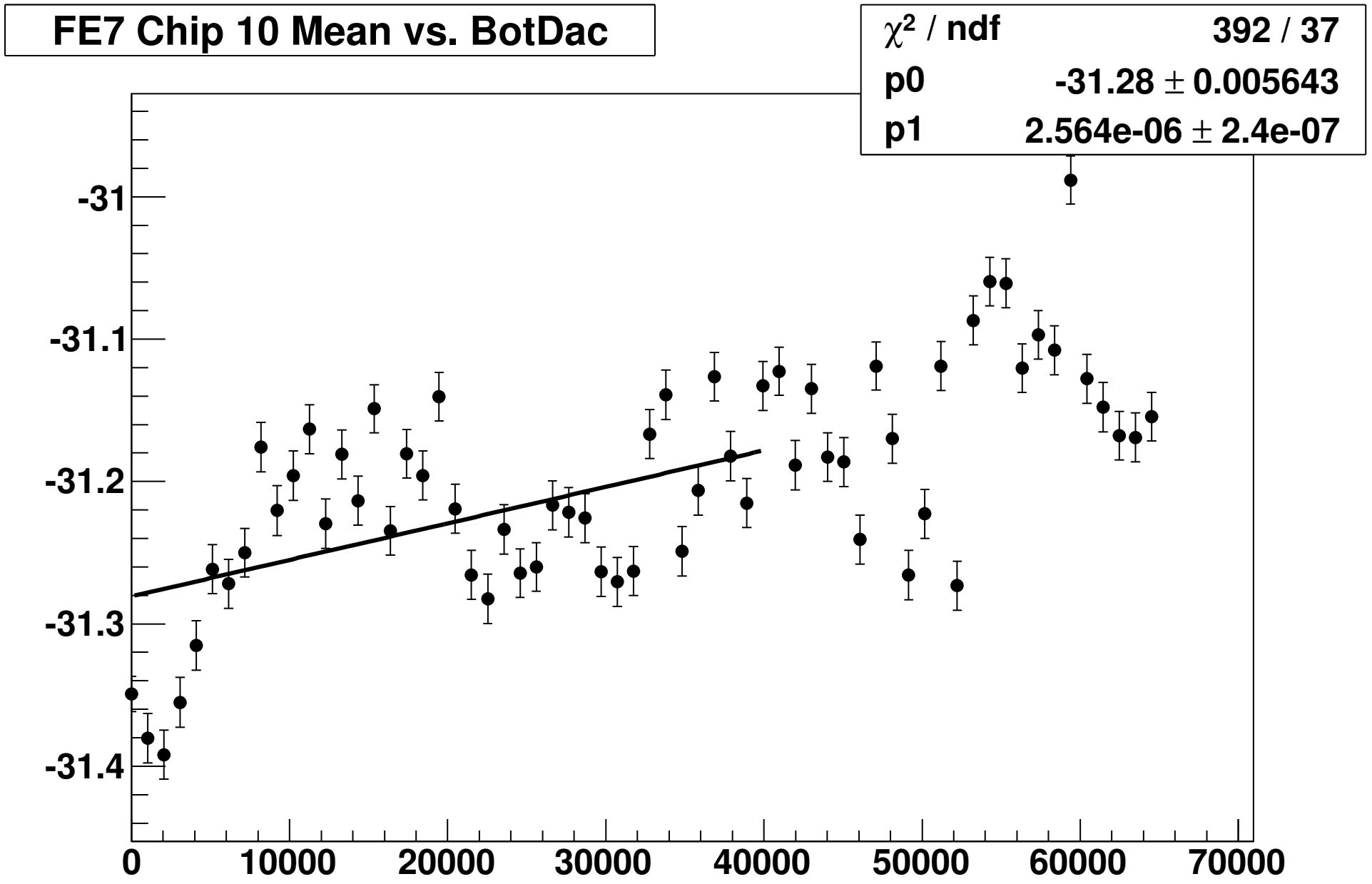

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 387.9 / 37
p0 1.407 ± 0.002882
p1 3.581e-05 ± 2.076e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

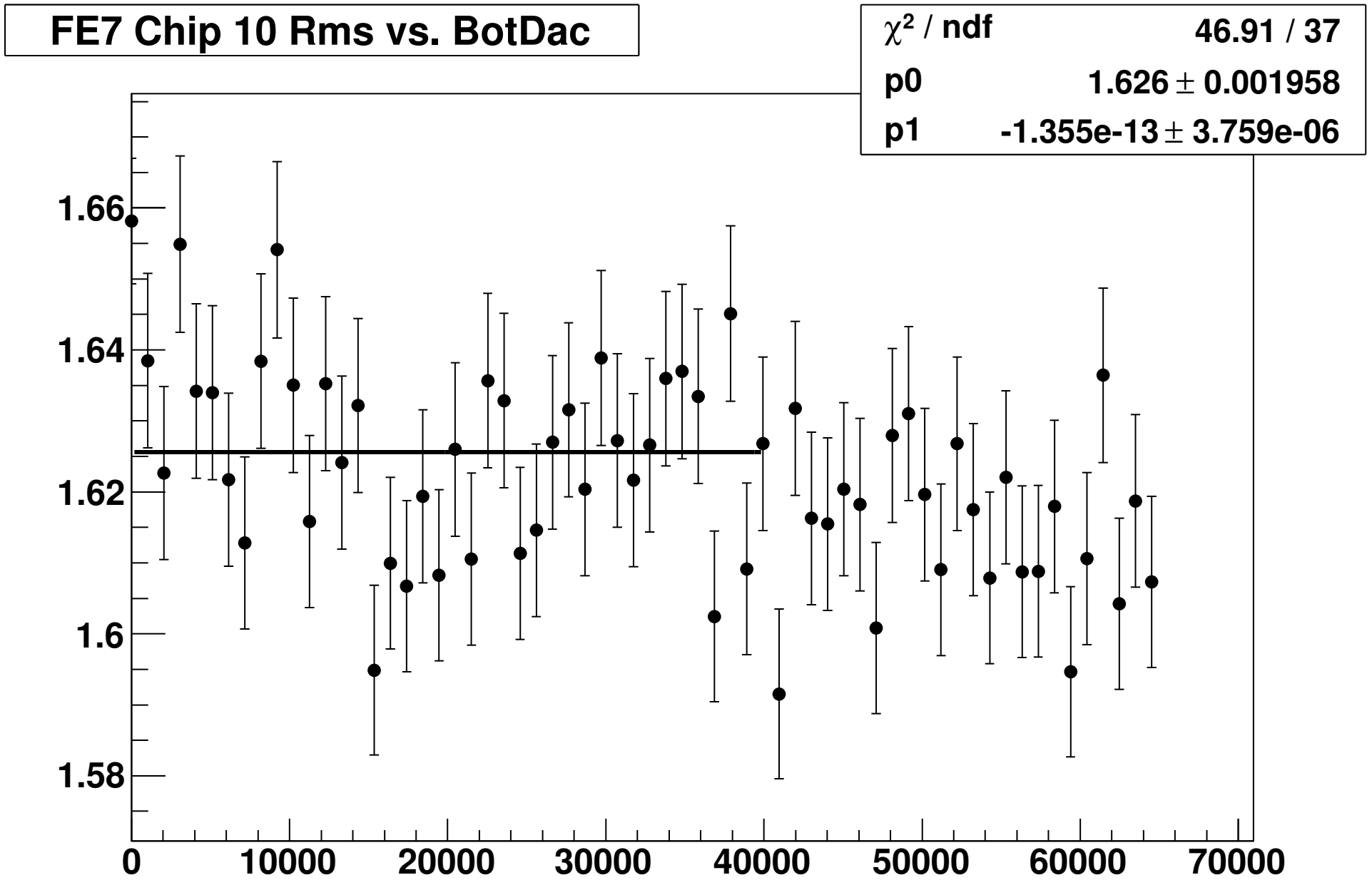

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 370.6 / 37
p0 -24.79 ± 0.005302
p1 1.933e-06 ± 2.257e-07
-24.45
-24.5
-24.55
-24.6
-24.65
-24.7
-24.75
-24.8
-24.85
-24.9
0
10000
20000
30000
40000
50000
60000
70000

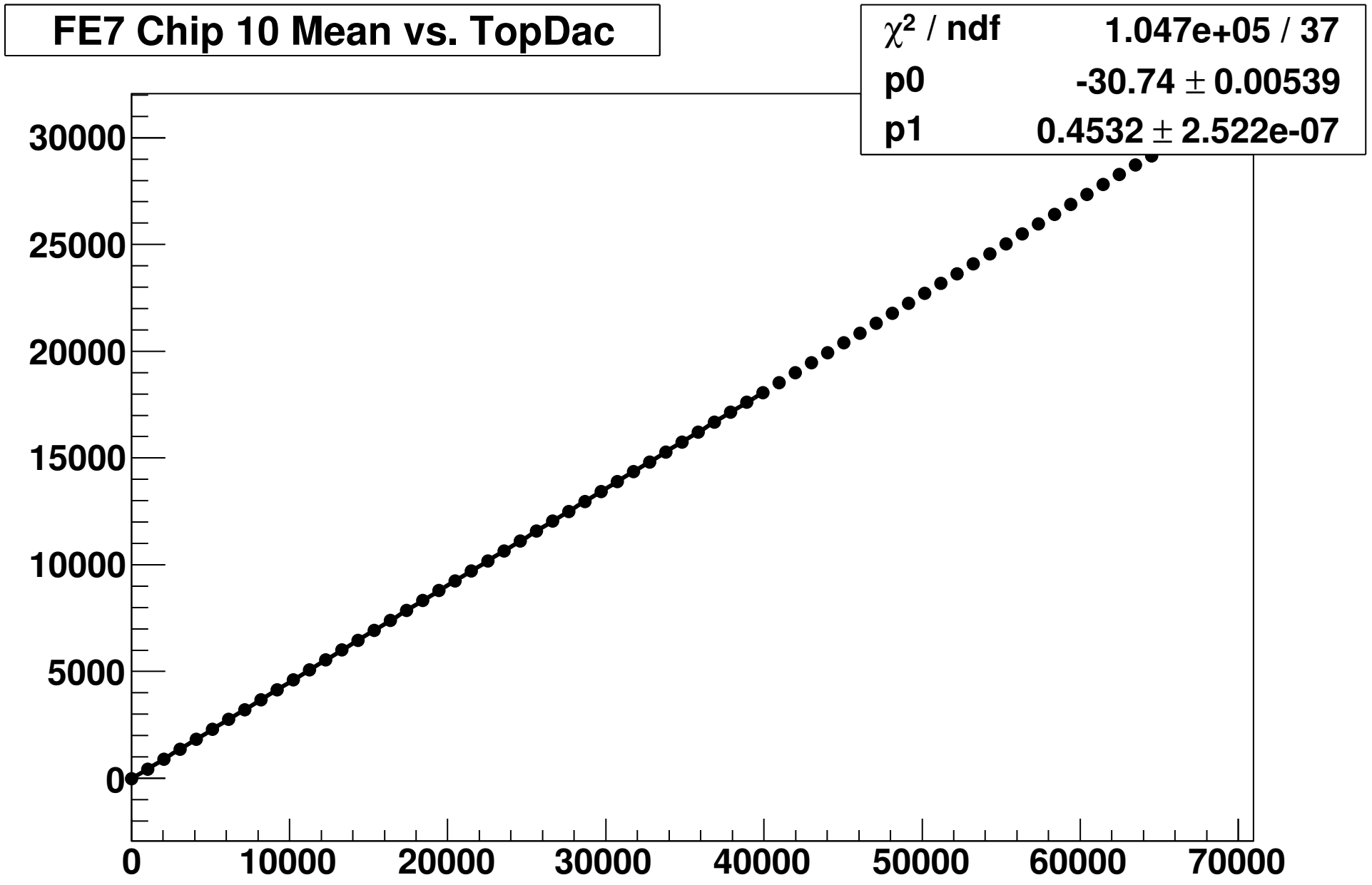

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 43.6 / 37
p0 1.528 ± 0.002781
p1 1.92e-06 ± 3.013e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

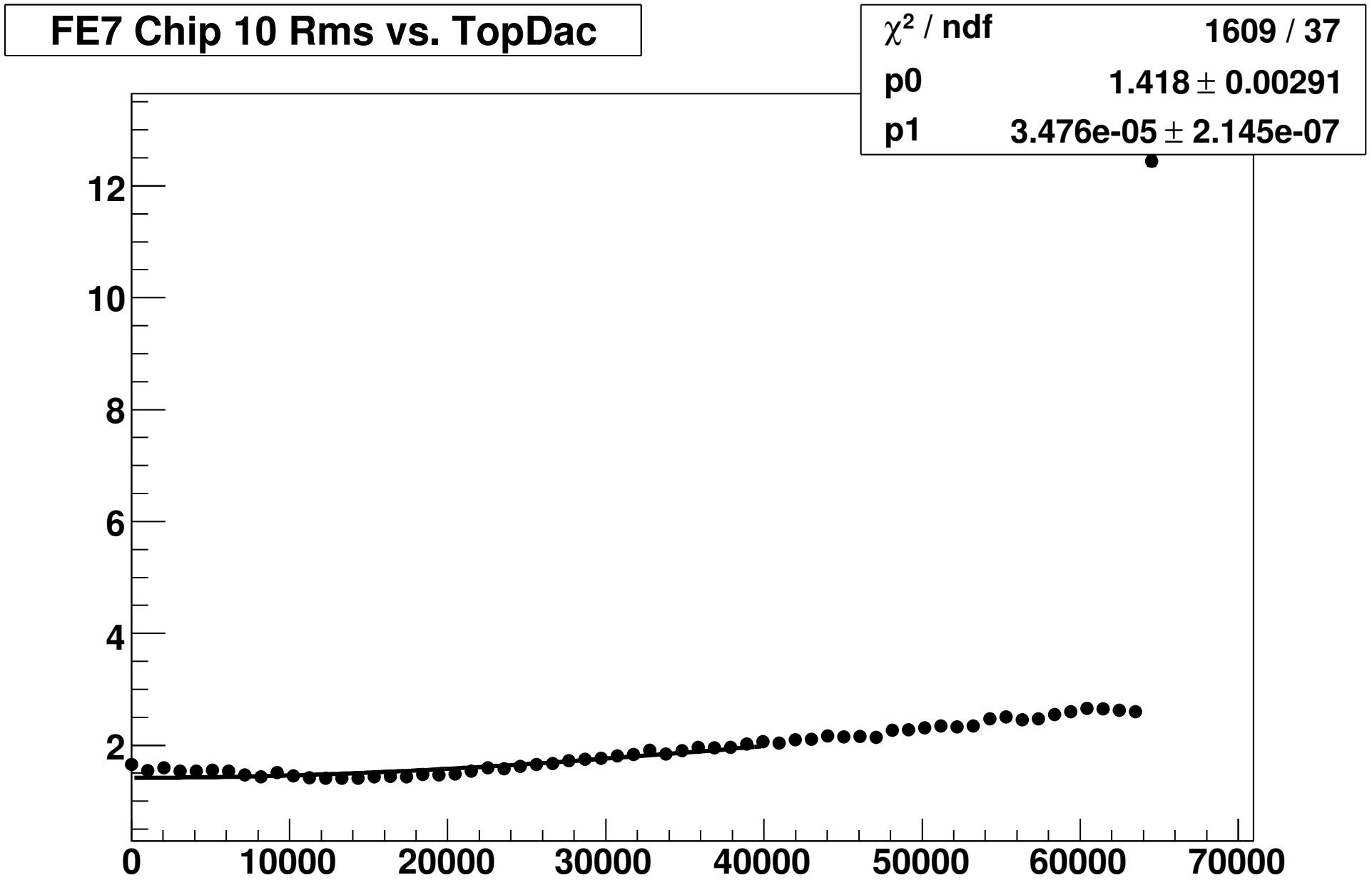

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.354e+05 / 37
p0 -24.87 ± 0.005298
p1 0.4537 ± 2.499e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

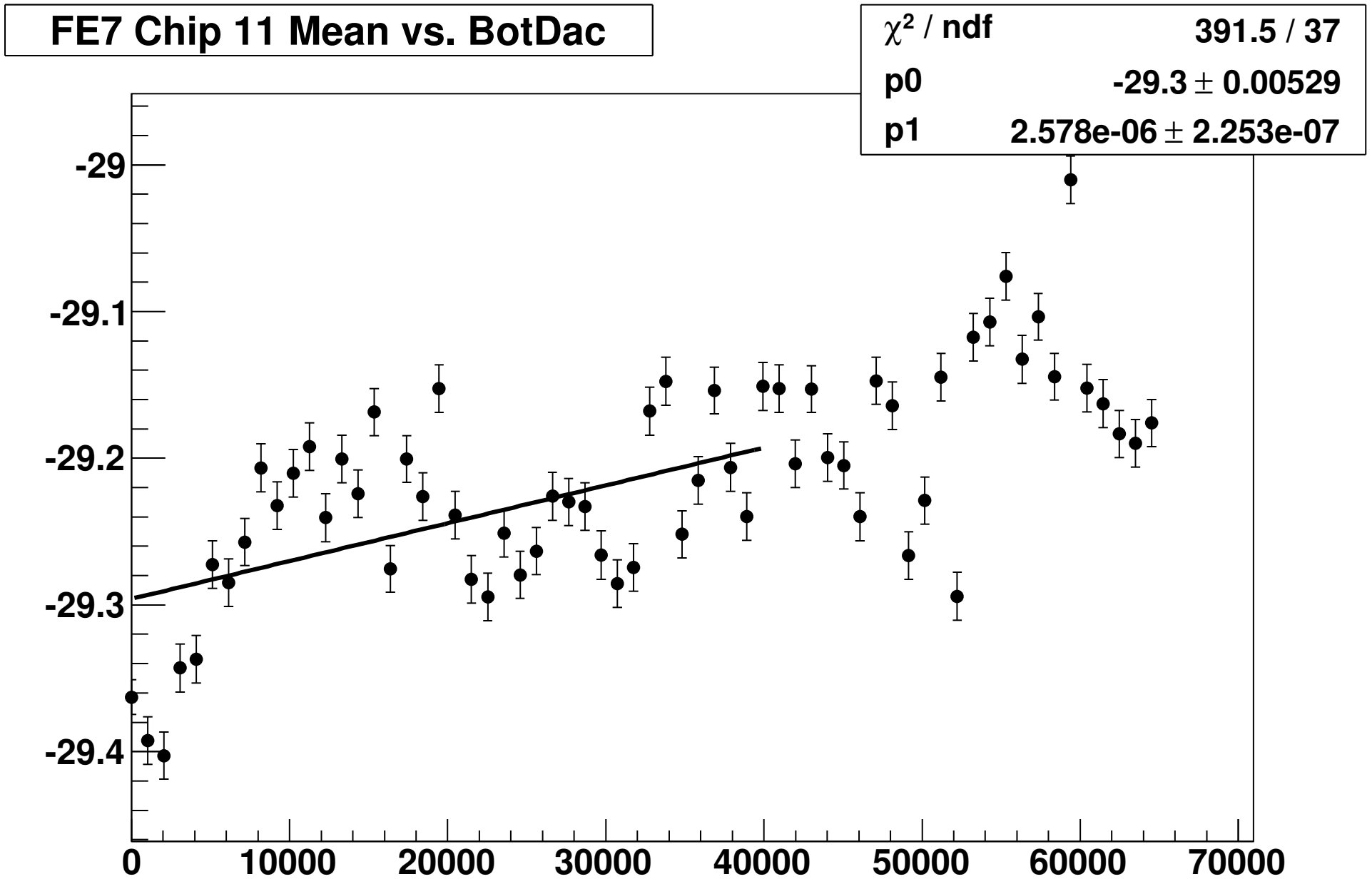

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 579 / 37
p0 1.414 ± 0.002912
p1 3.633e-05 ± 2.09e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

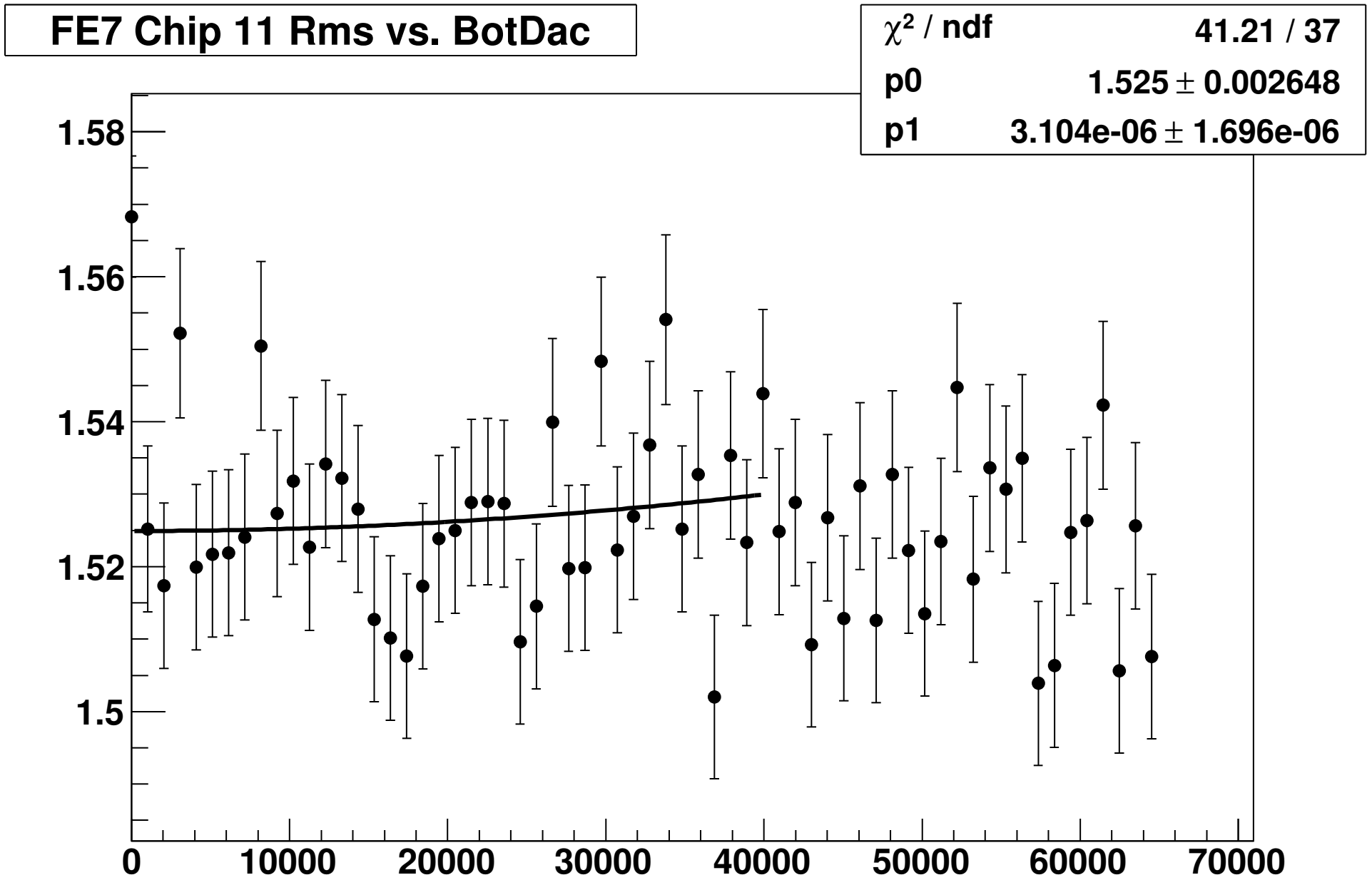

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 392 / 37
p0 -31.28 ± 0.005643
p1 2.564e-06 ± 2.4e-07
-31
-31.1
-31.2
-31.3
-31.4
0
10000
20000
30000
40000
50000
60000
70000

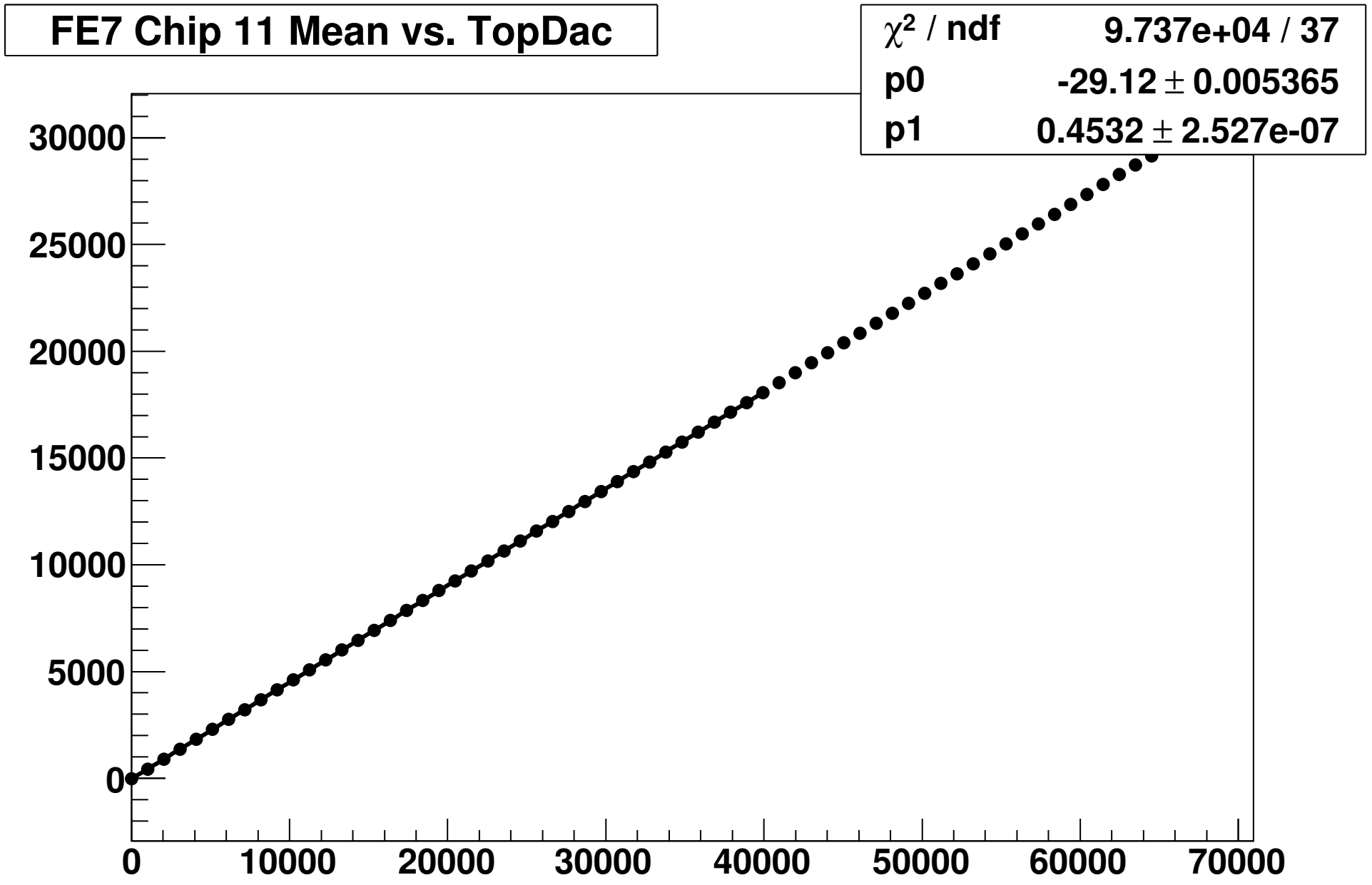

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 46.91 / 37
p0 1.626 ± 0.001958
p1 -1.355e-13 ± 3.759e-06
1.66
1.64
1.62
1.6
1.58
0
10000
20000
30000
40000
50000
60000
70000

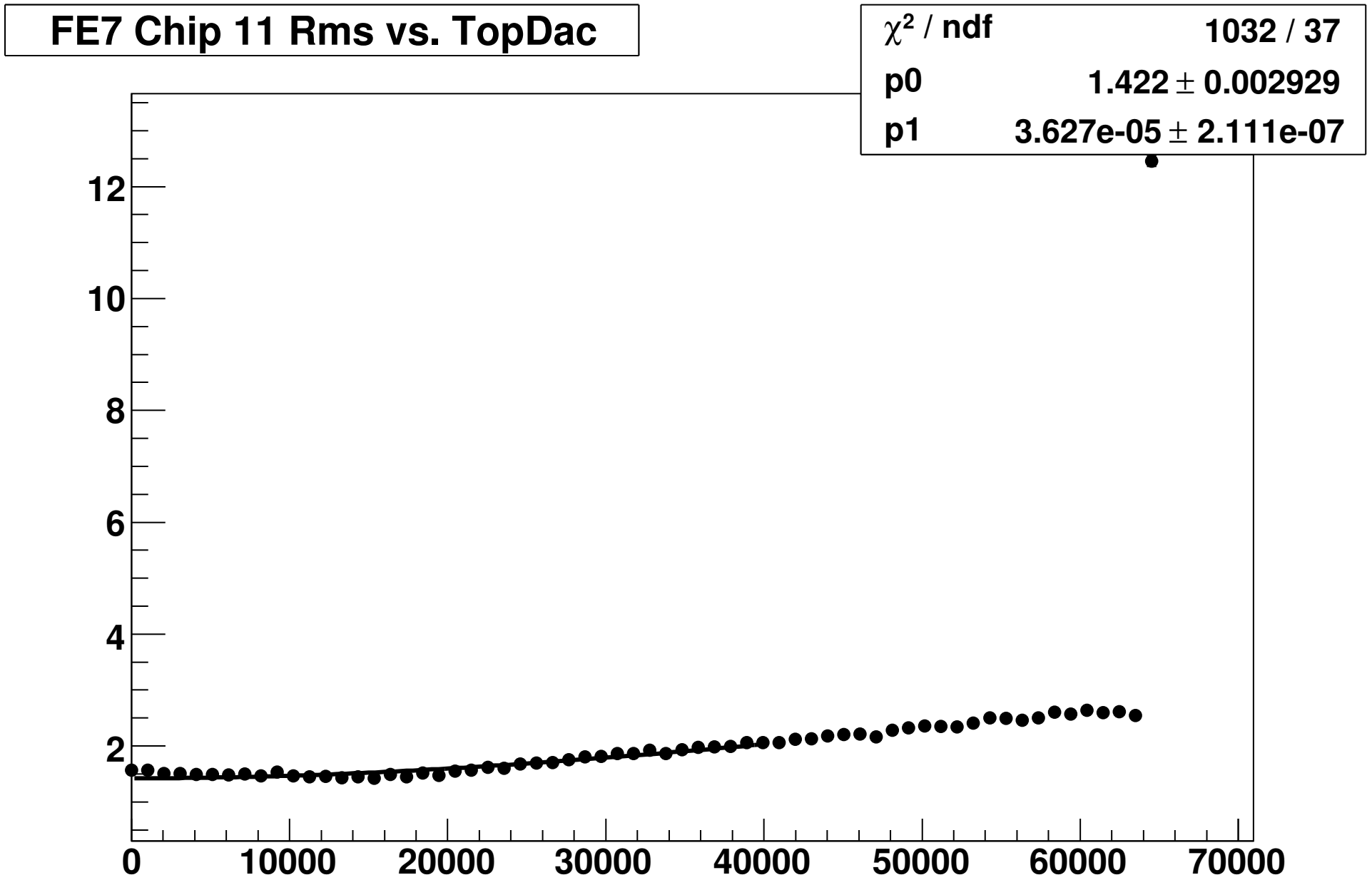

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.047e+05 / 37
p0 -30.74 ± 0.00539
p1 0.4532 ± 2.522e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

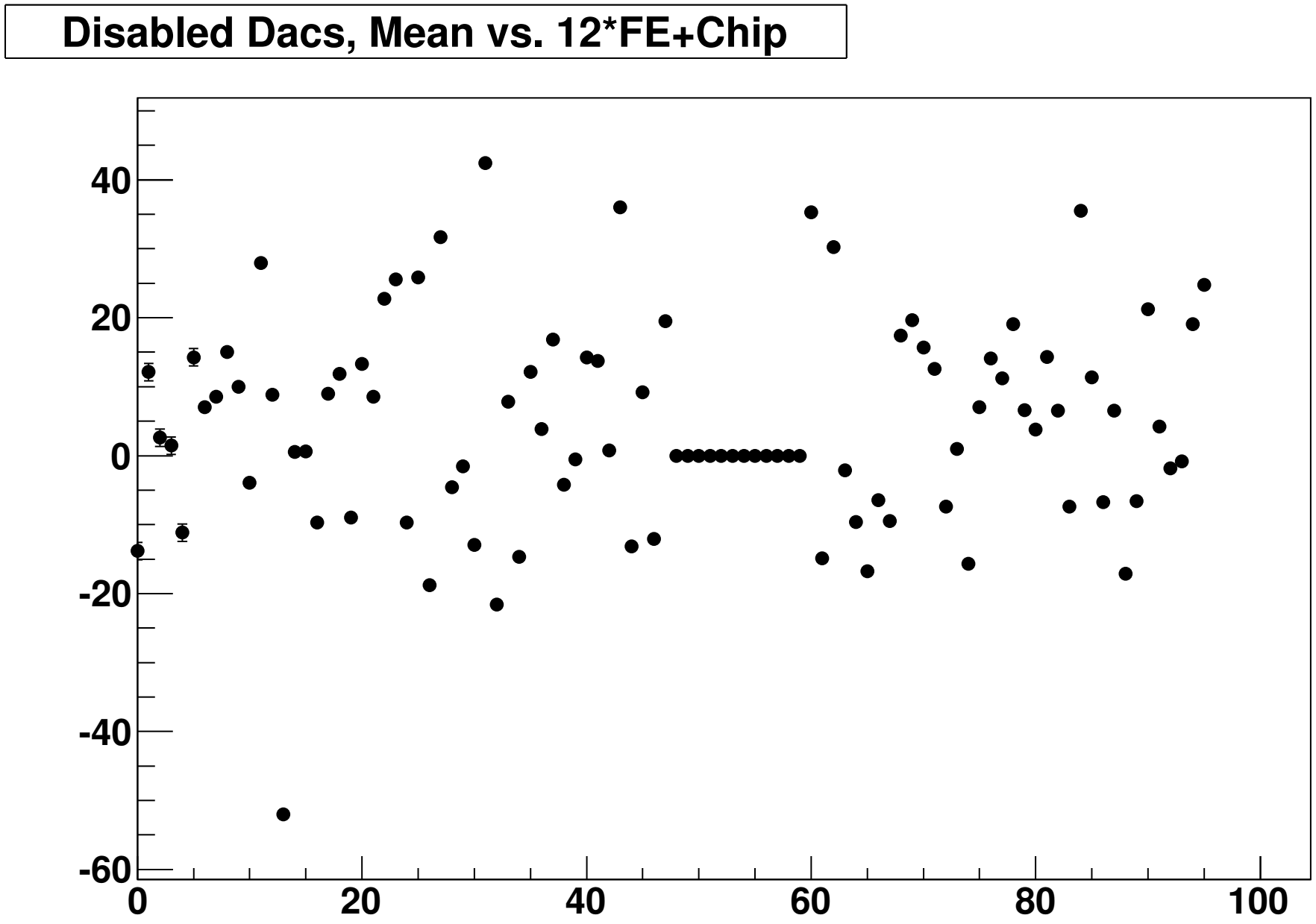

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 1609 / 37
p0 1.418 ± 0.00291
p1 3.476e-05 ± 2.145e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

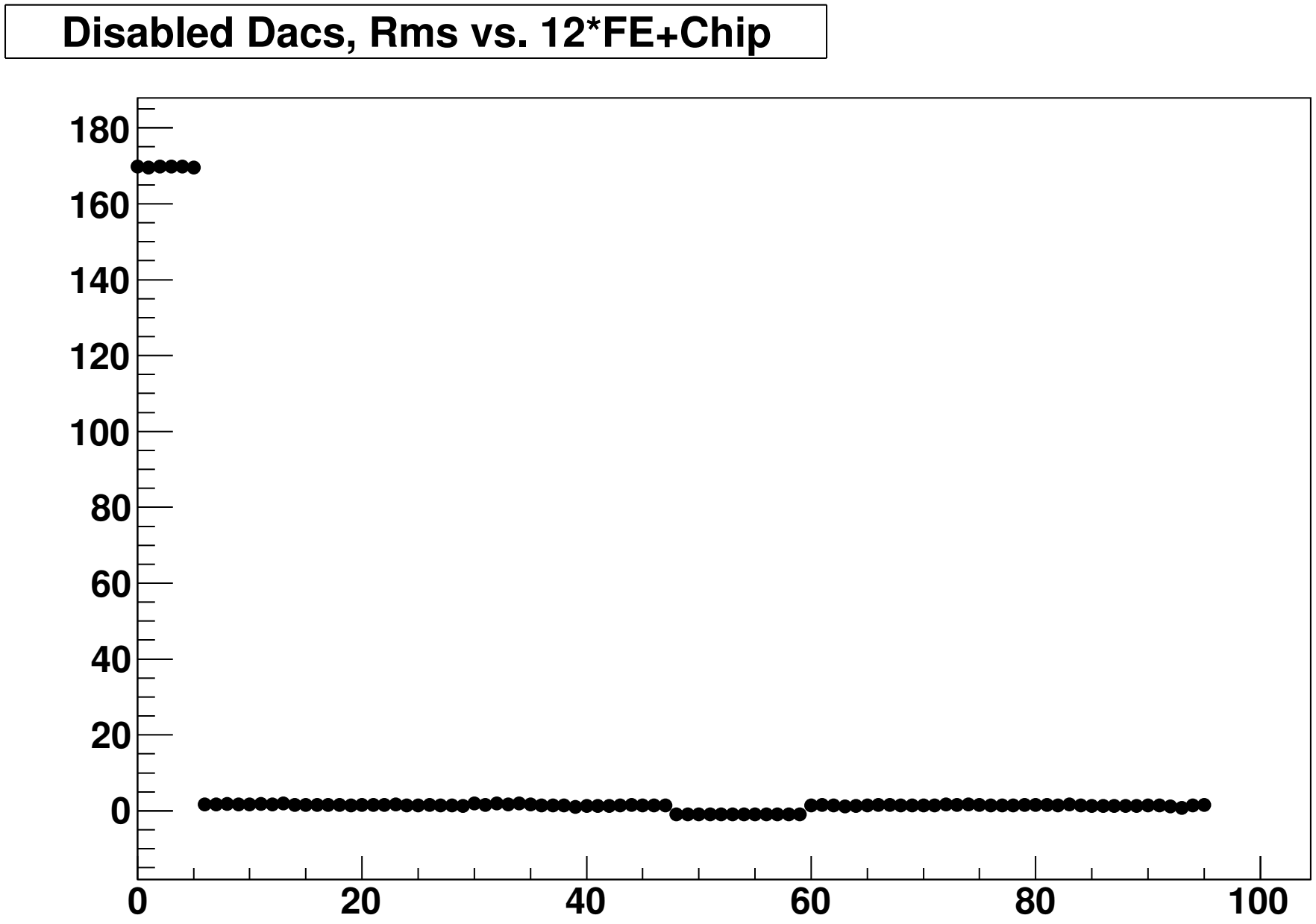

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 391.5 / 37
p0 -29.3 ± 0.00529
p1 2.578e-06 ± 2.253e-07
-29
-29.1
-29.2
-29.3
-29.4
0
10000
20000
30000
40000
50000
60000
70000

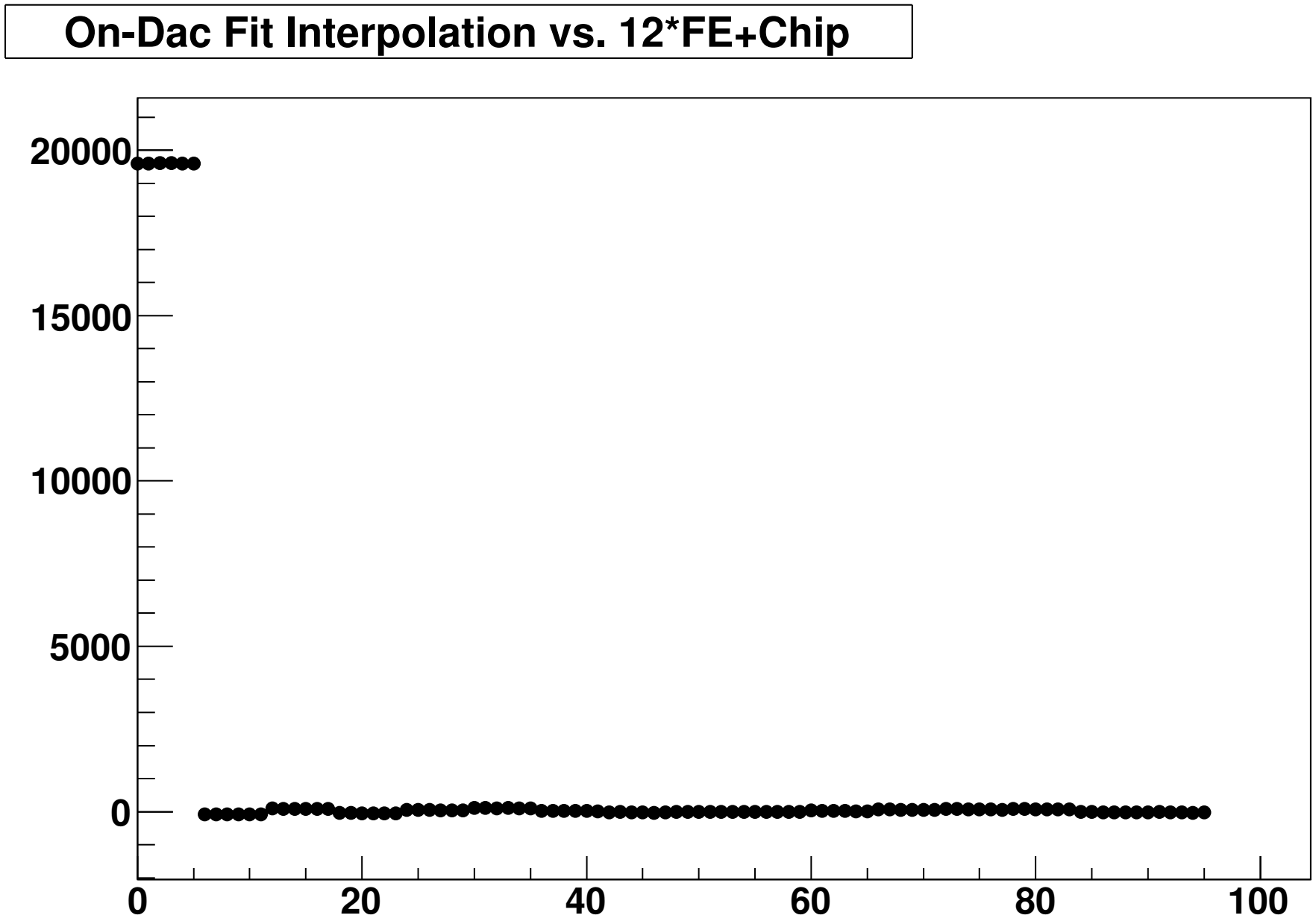

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 41.21 / 37
p0 1.525 ± 0.002648
p1 3.104e-06 ± 1.696e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

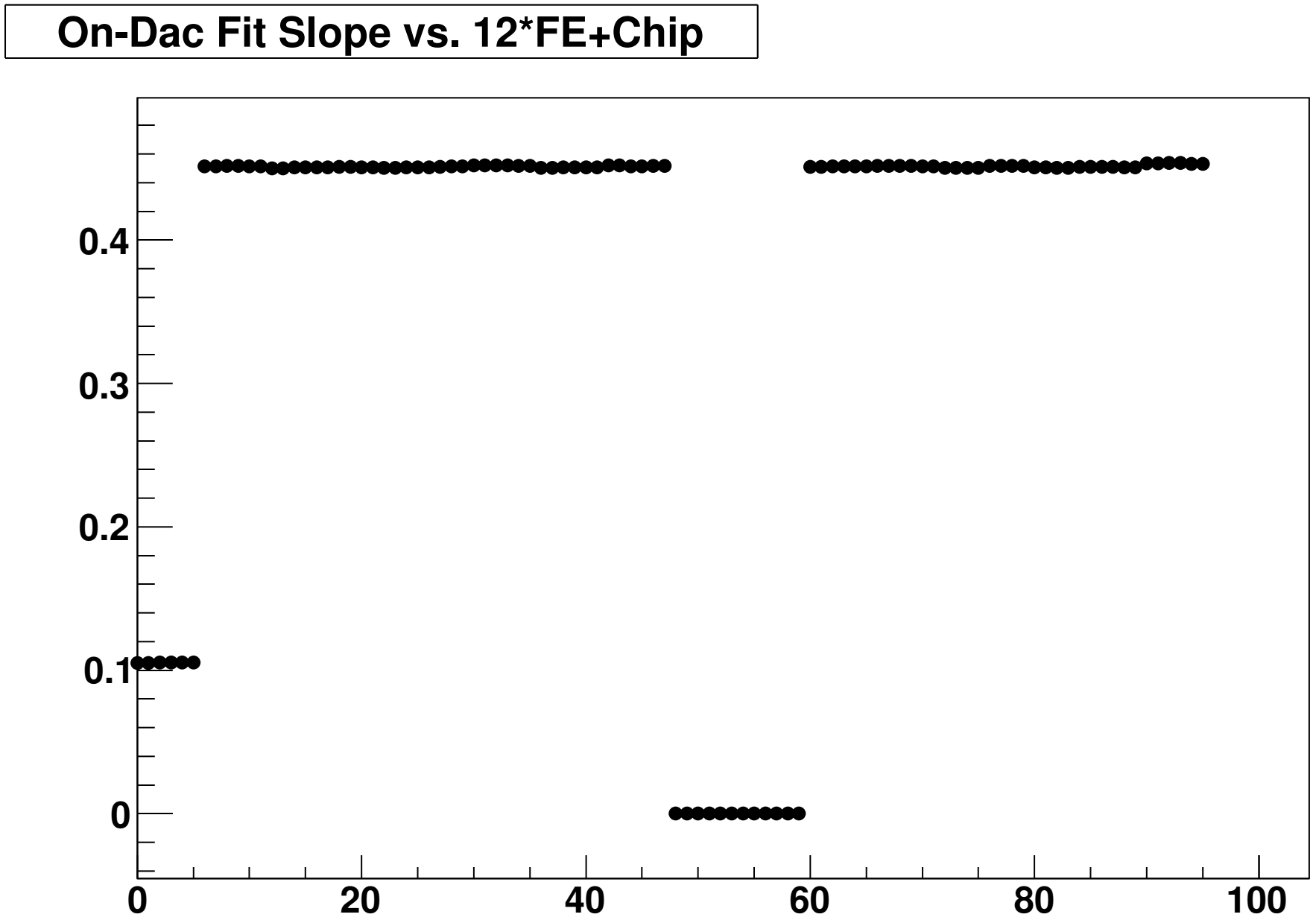

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 9.737e+04 / 37
p0 -29.12 ± 0.005365
p1 0.4532 ± 2.527e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

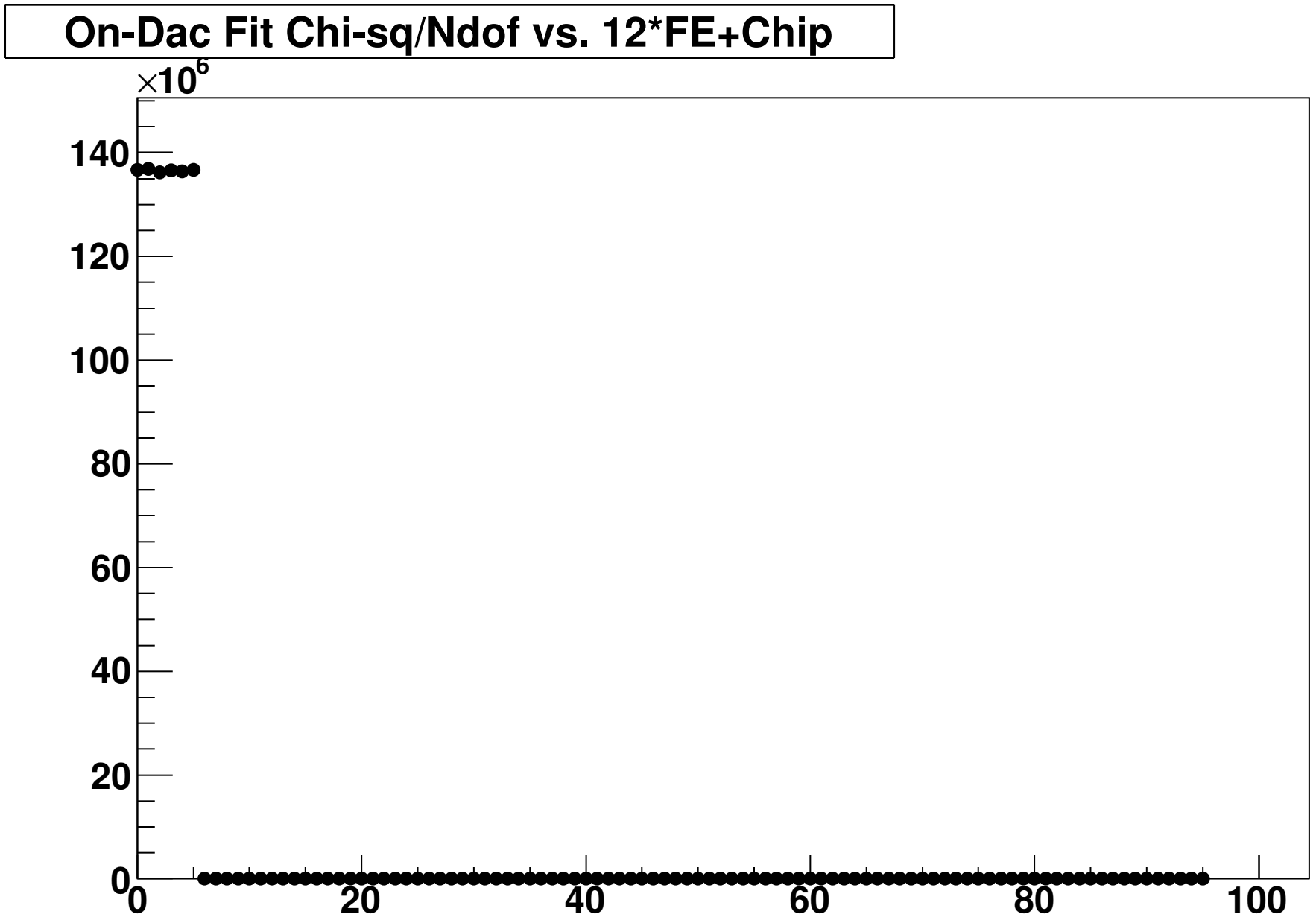

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1032 / 37
p0 1.422 ± 0.002929
p1 3.627e-05 ± 2.111e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

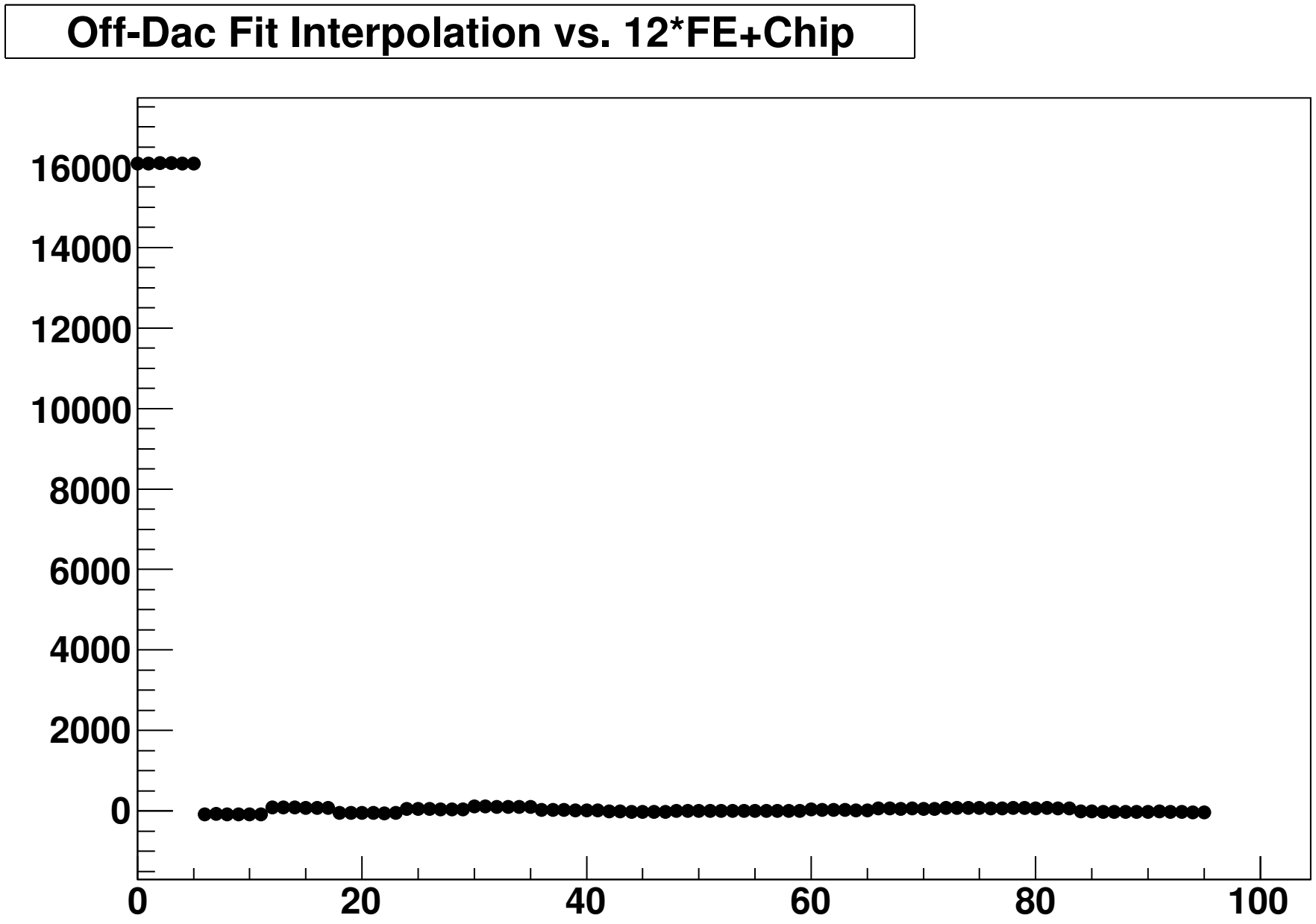

Disabled Dacs, Mean vs. 12*FE+Chip
40
20
0
-20
-40
-60
0
20
40
60
80
100

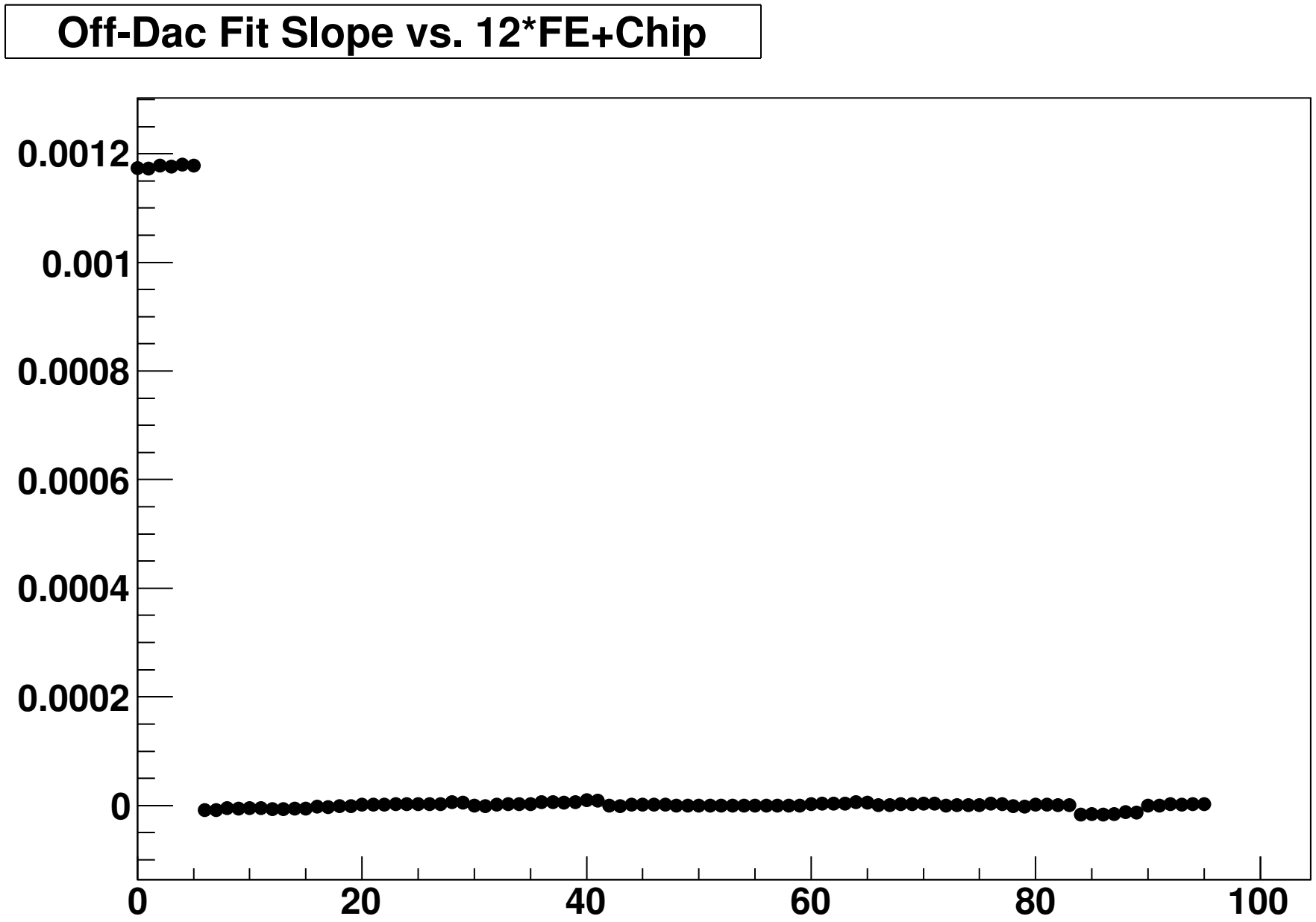

Disabled Dacs, Rms vs. 12*FE+Chip
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

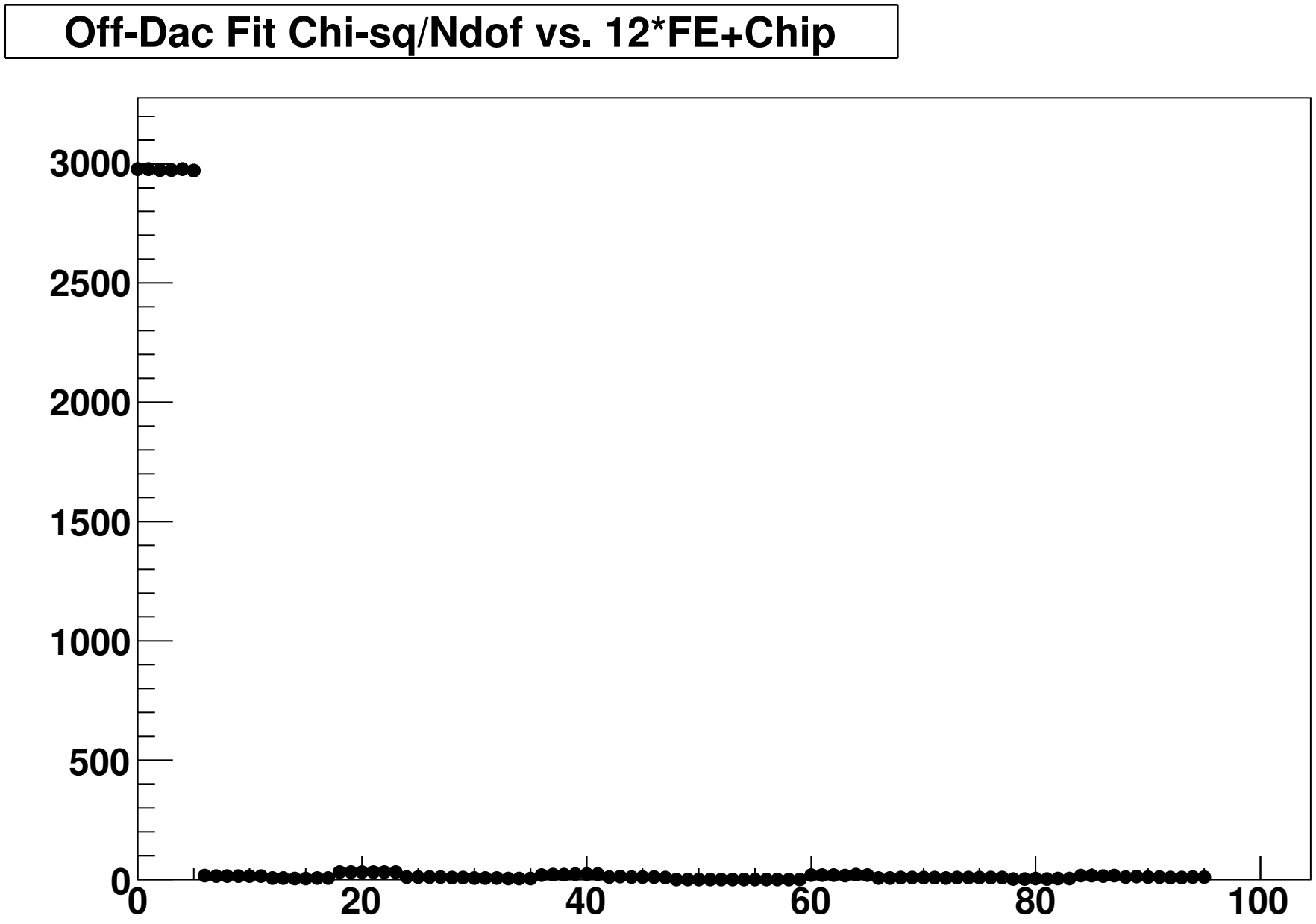

On-Dac Fit Interpolation vs. 12*FE+Chip
20000
15000
10000
5000
0
0
20
40
60
80
100

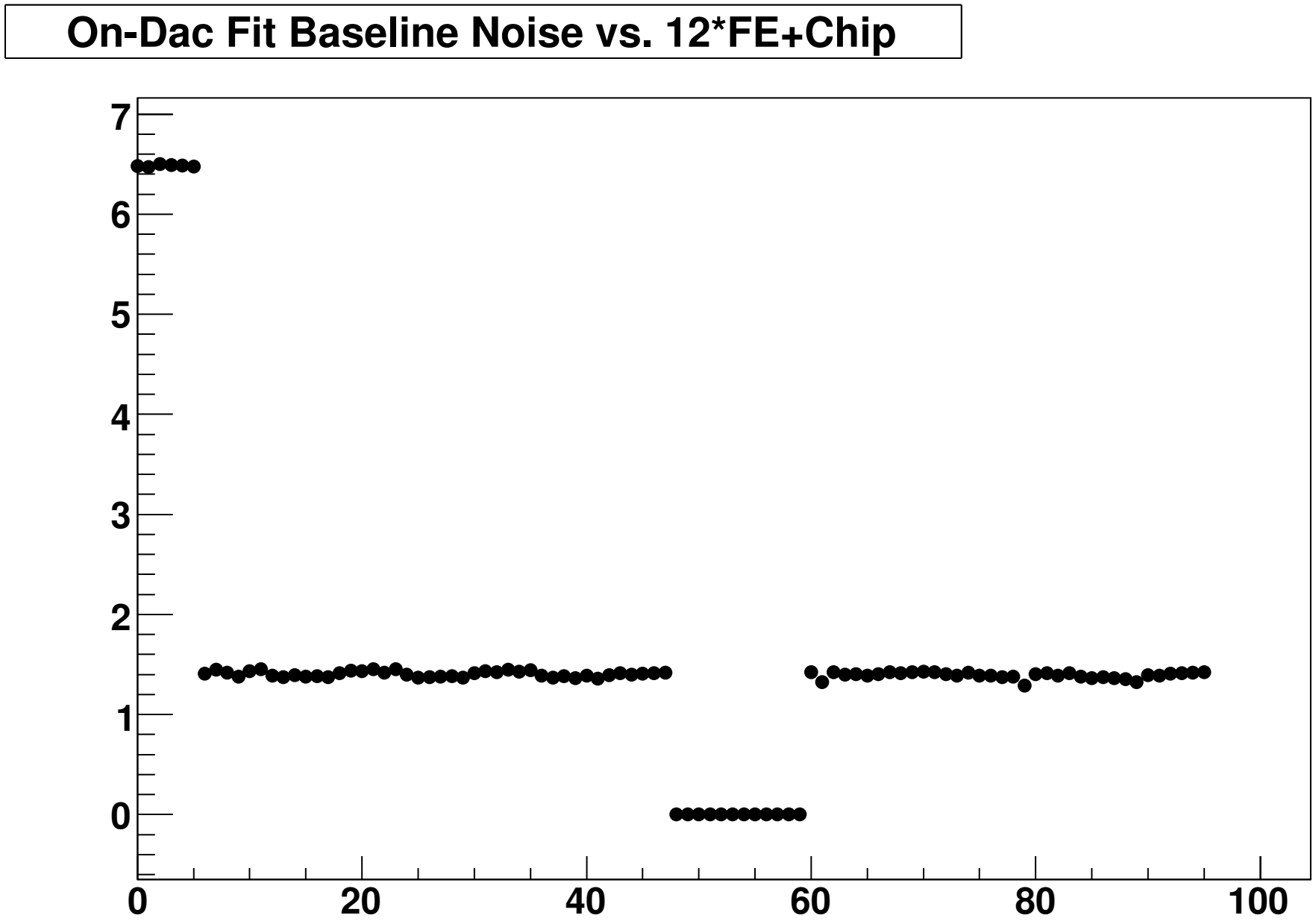

On-Dac Fit Slope vs. 12*FE+Chip
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100

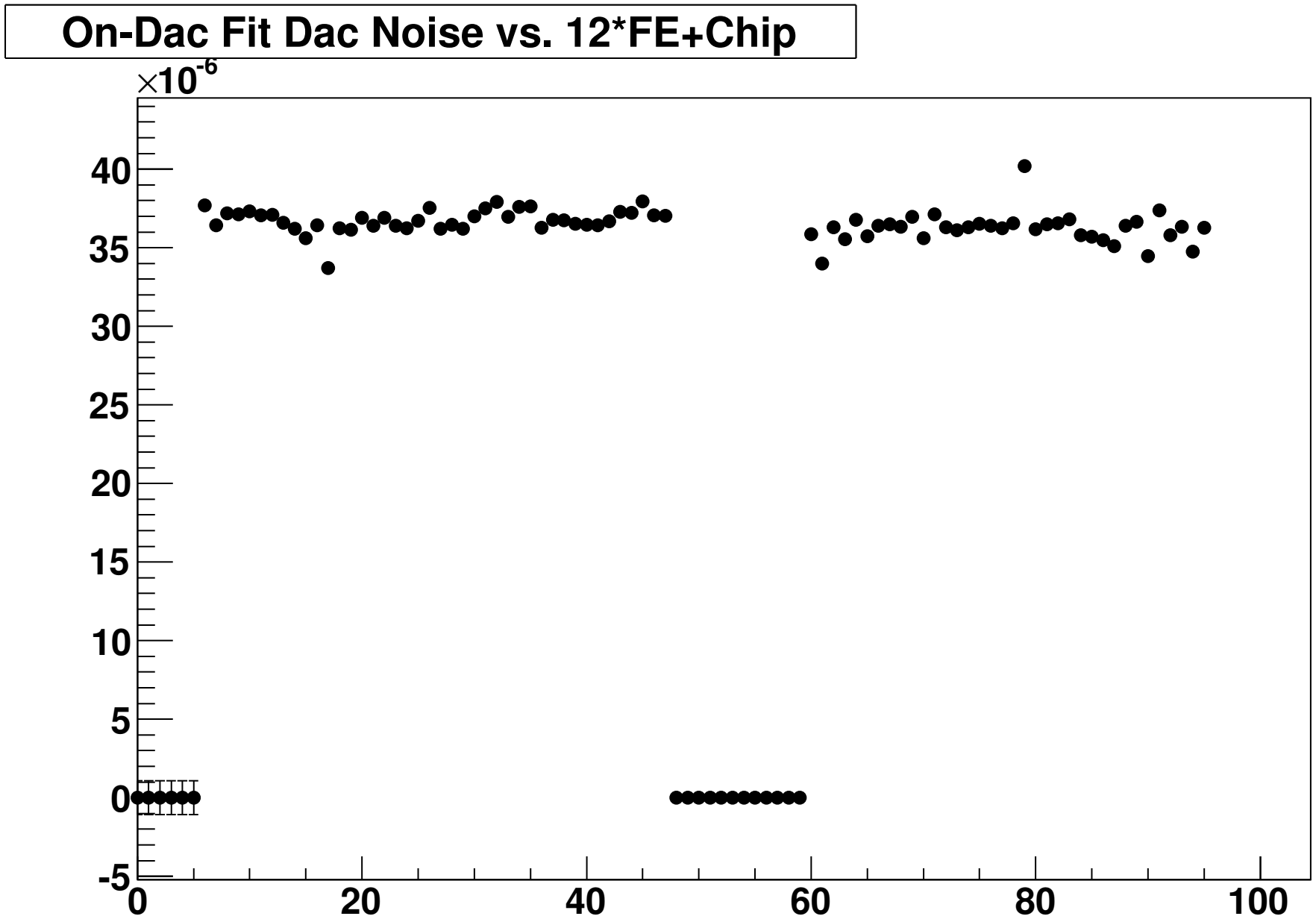

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
140
120
100
80
60
40
20
0
0
20
40
60
80
100

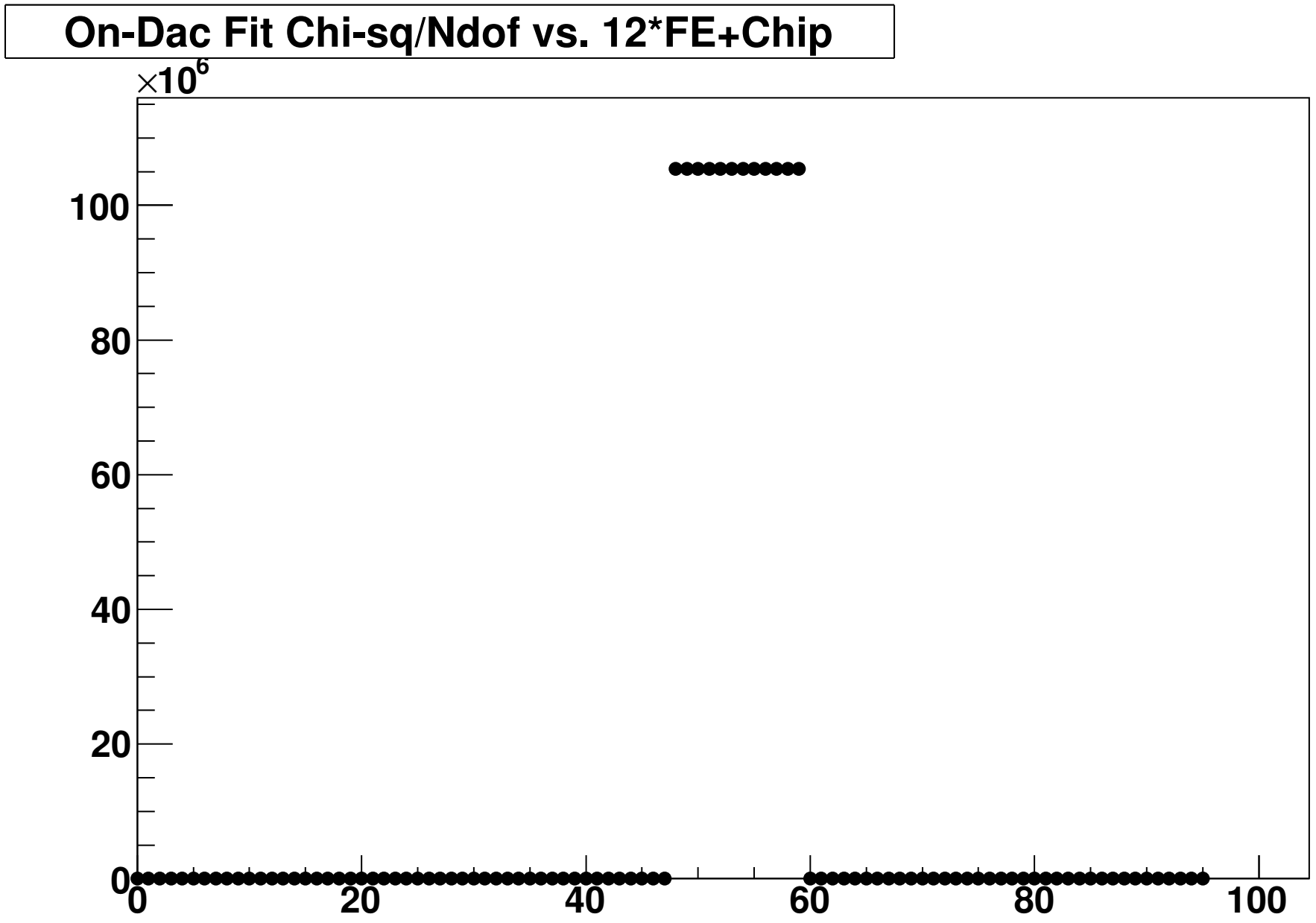

Off-Dac Fit Interpolation vs. 12*FE+Chip
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

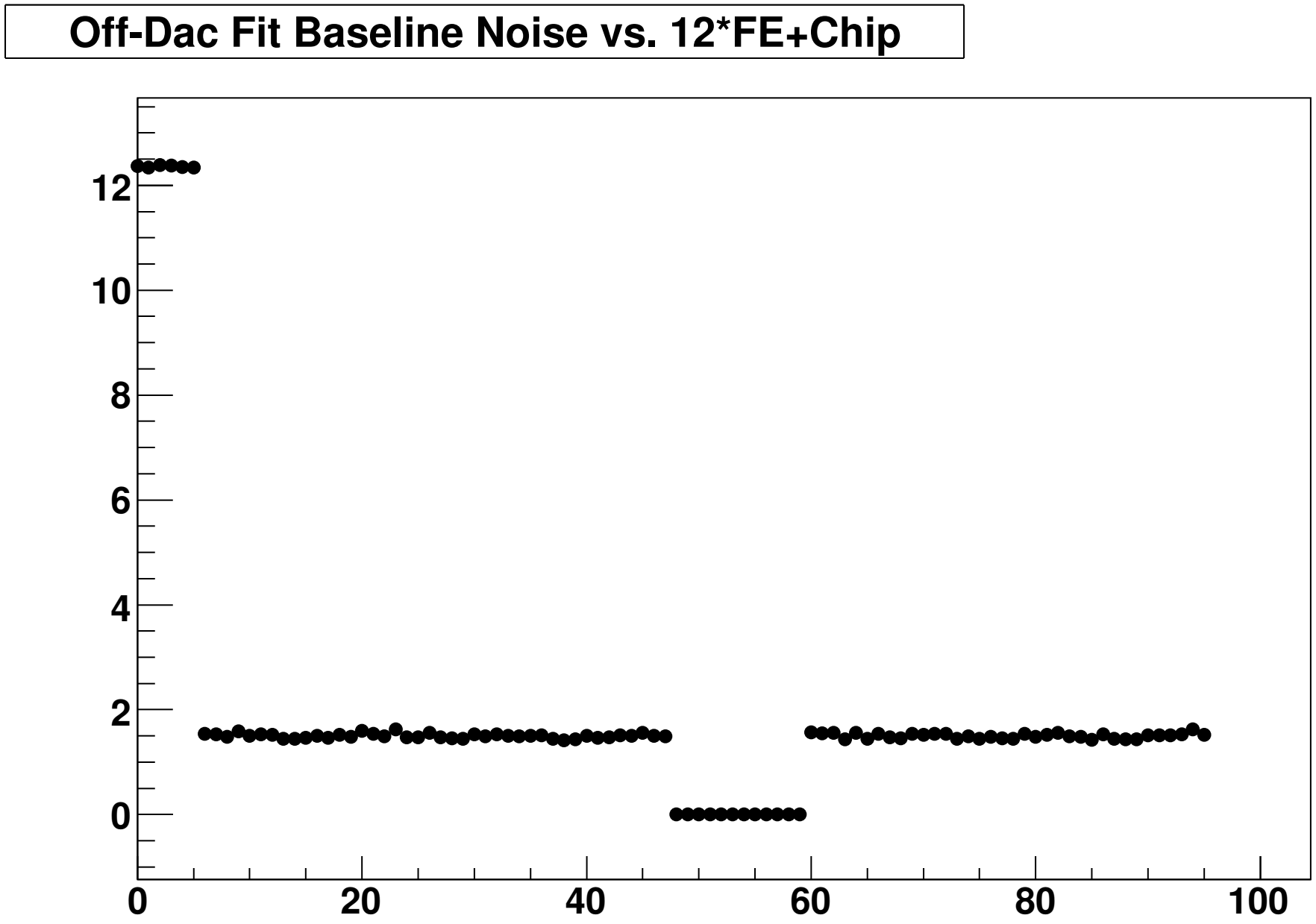

Off-Dac Fit Slope vs. 12*FE+Chip
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
0
20
40
60
80
100

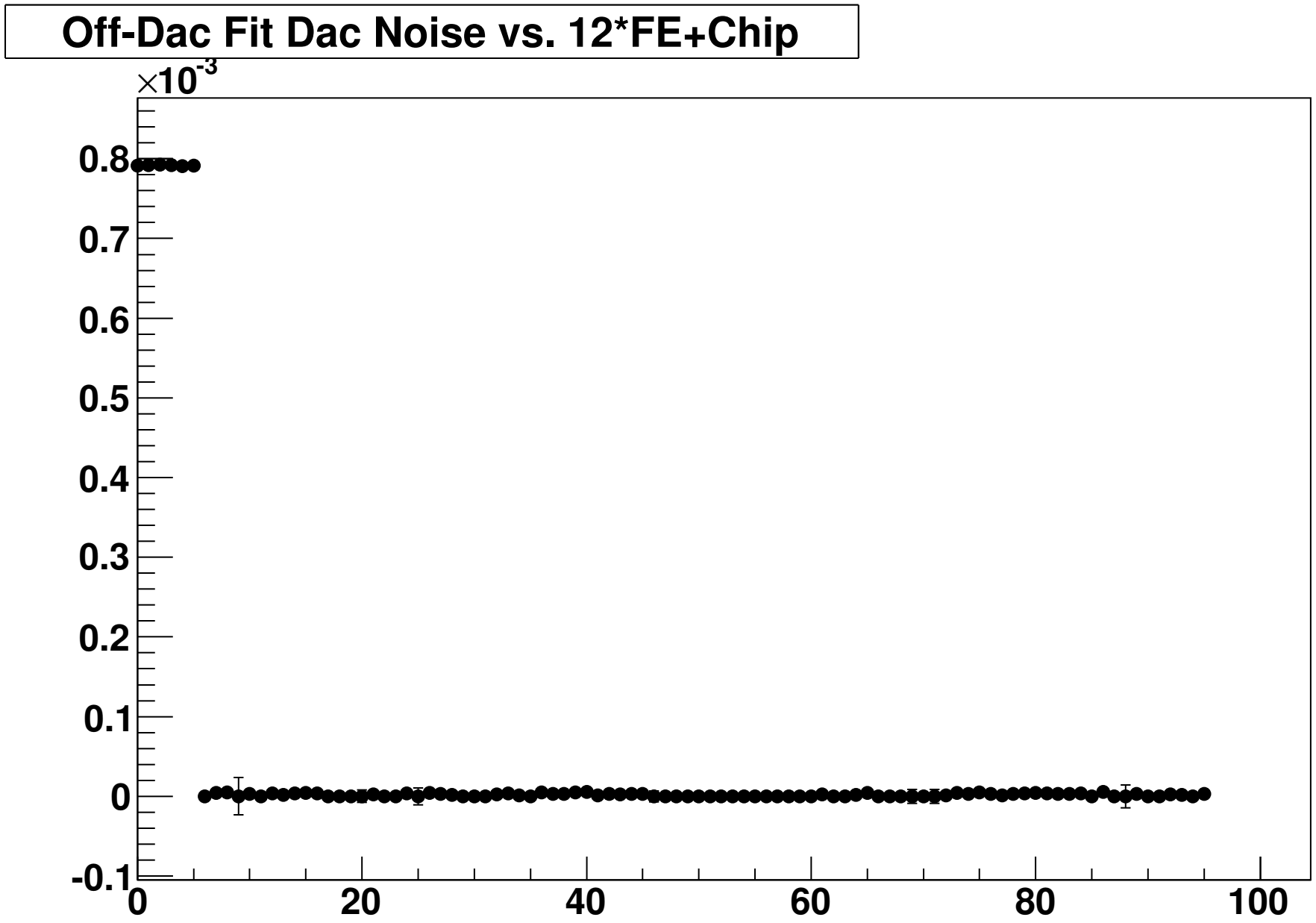

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100

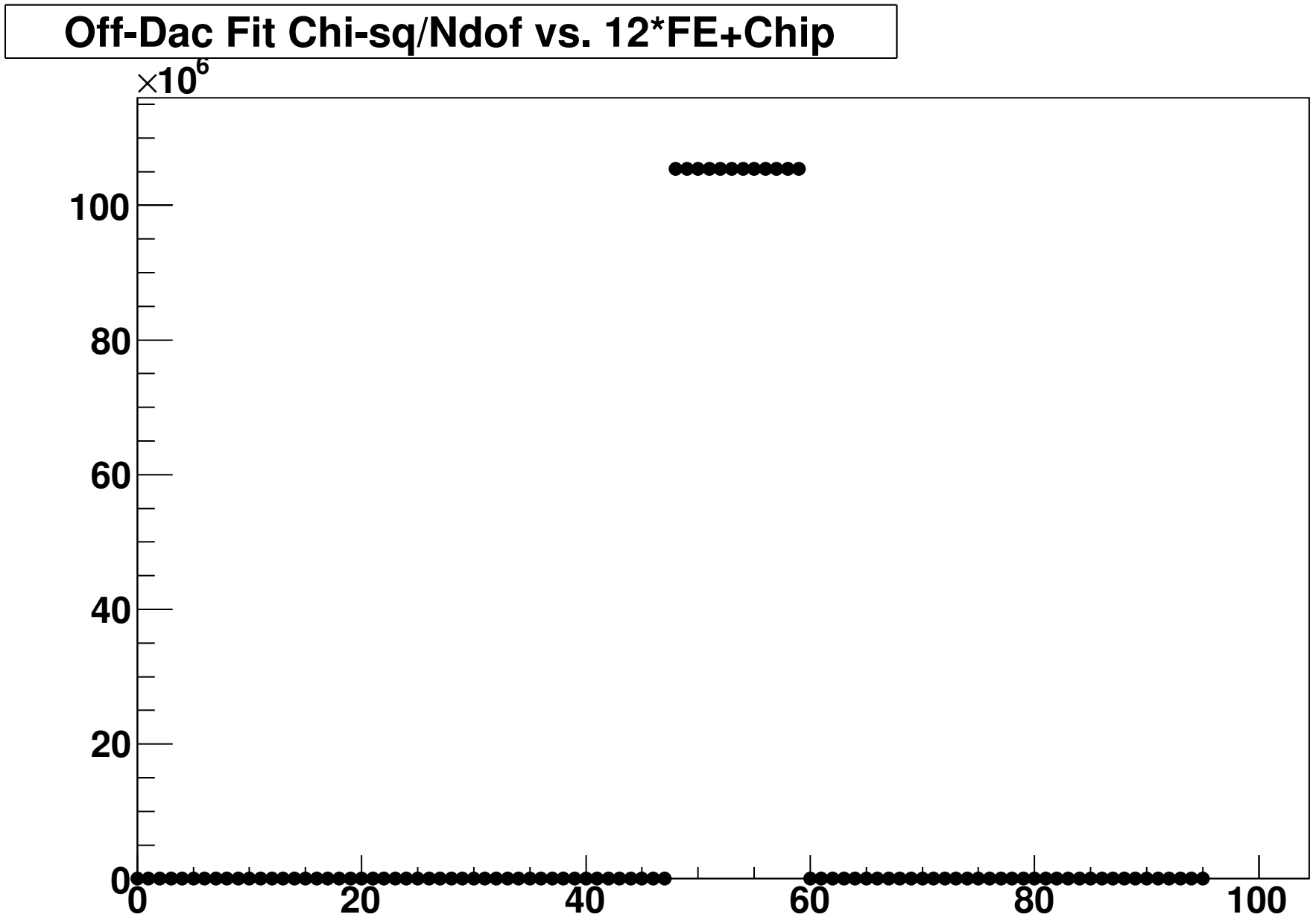

On-Dac Fit Baseline Noise vs. 12*FE+Chip
7
6
5
4
3
2
1
0
0
20
40
60
80
100

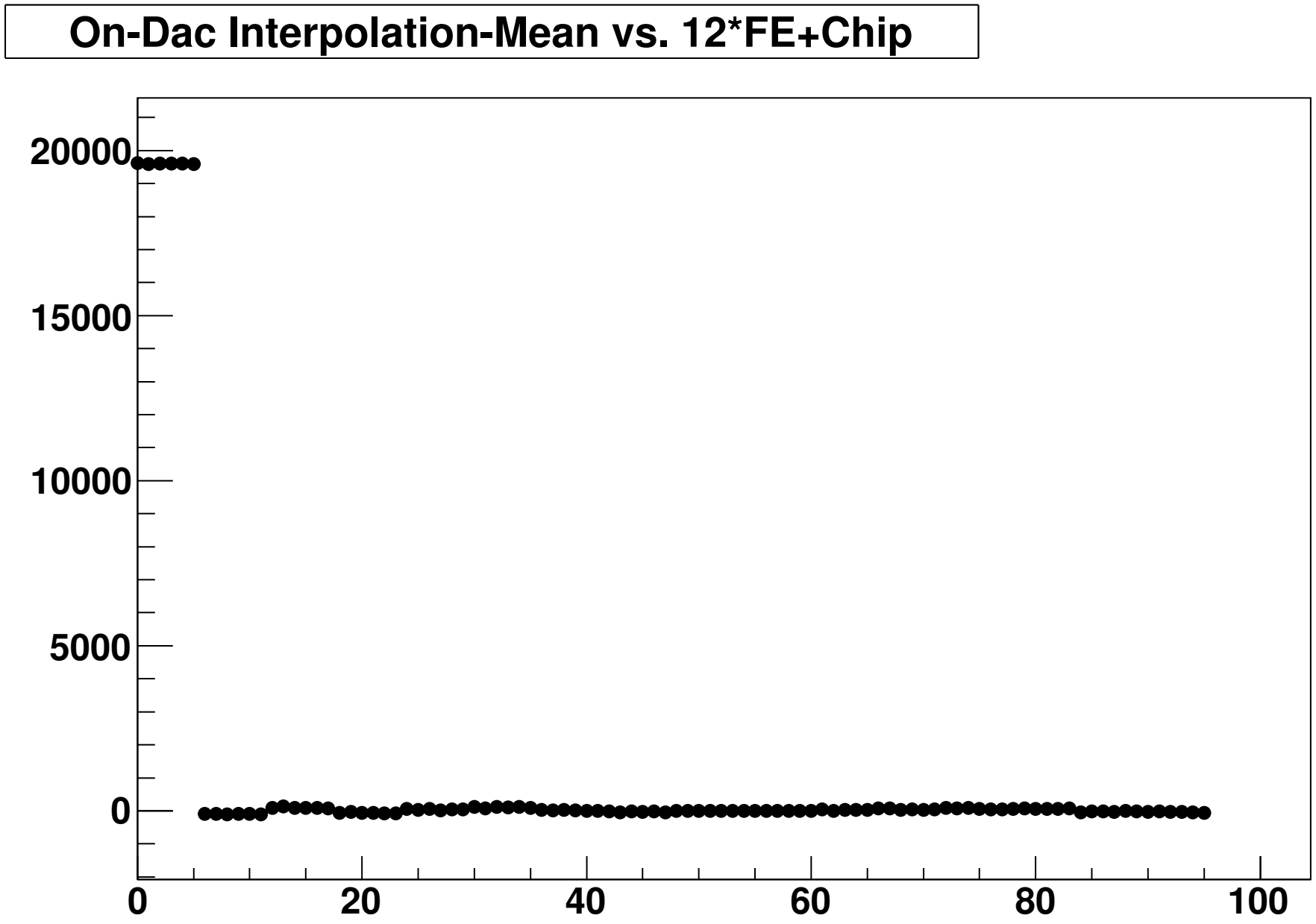

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
40
35
30
25
20
15
10
5
0
-5
0
20
40
60
80
100

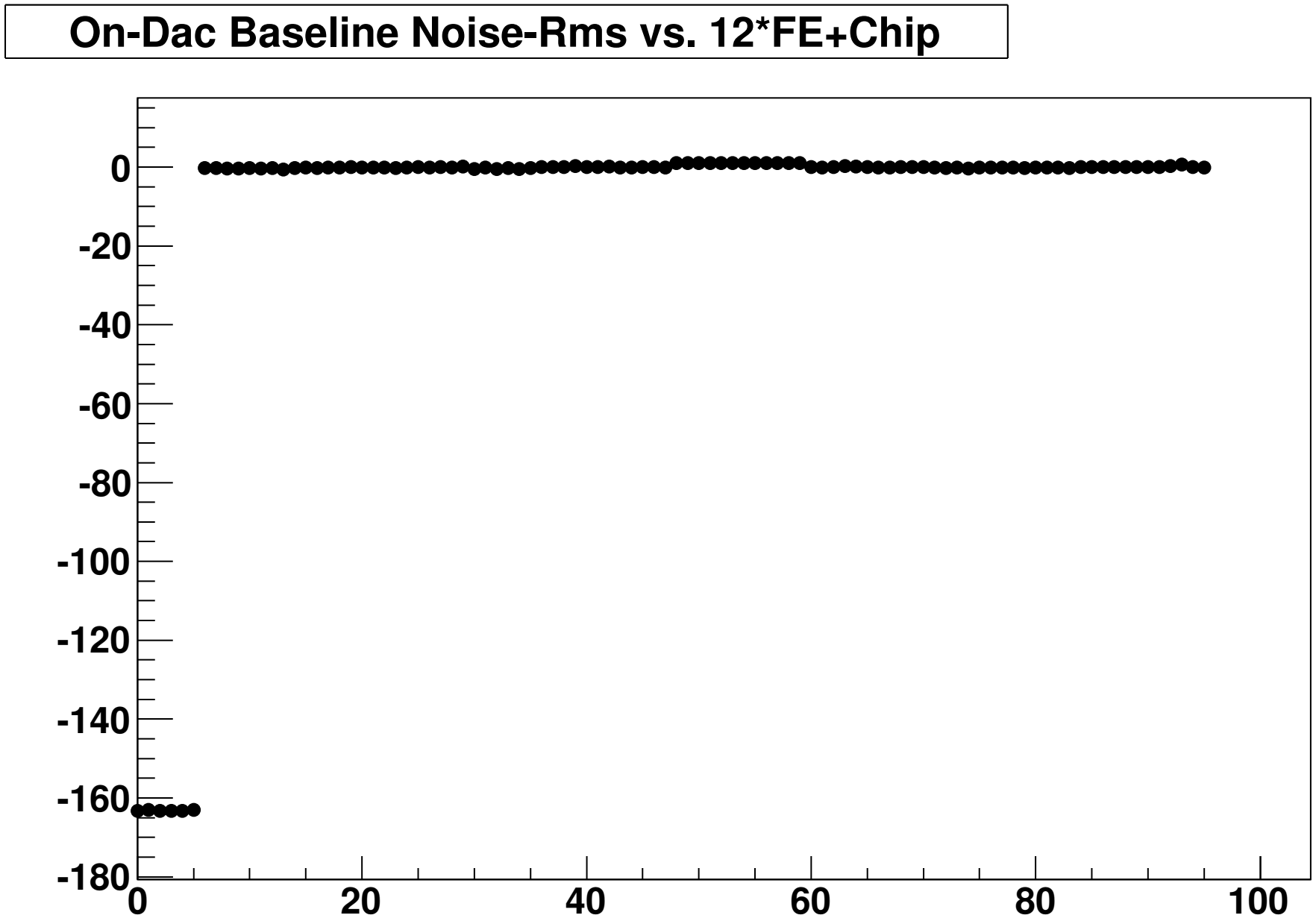

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
100
80
60
40
20
0
0
20
40
60
80
100

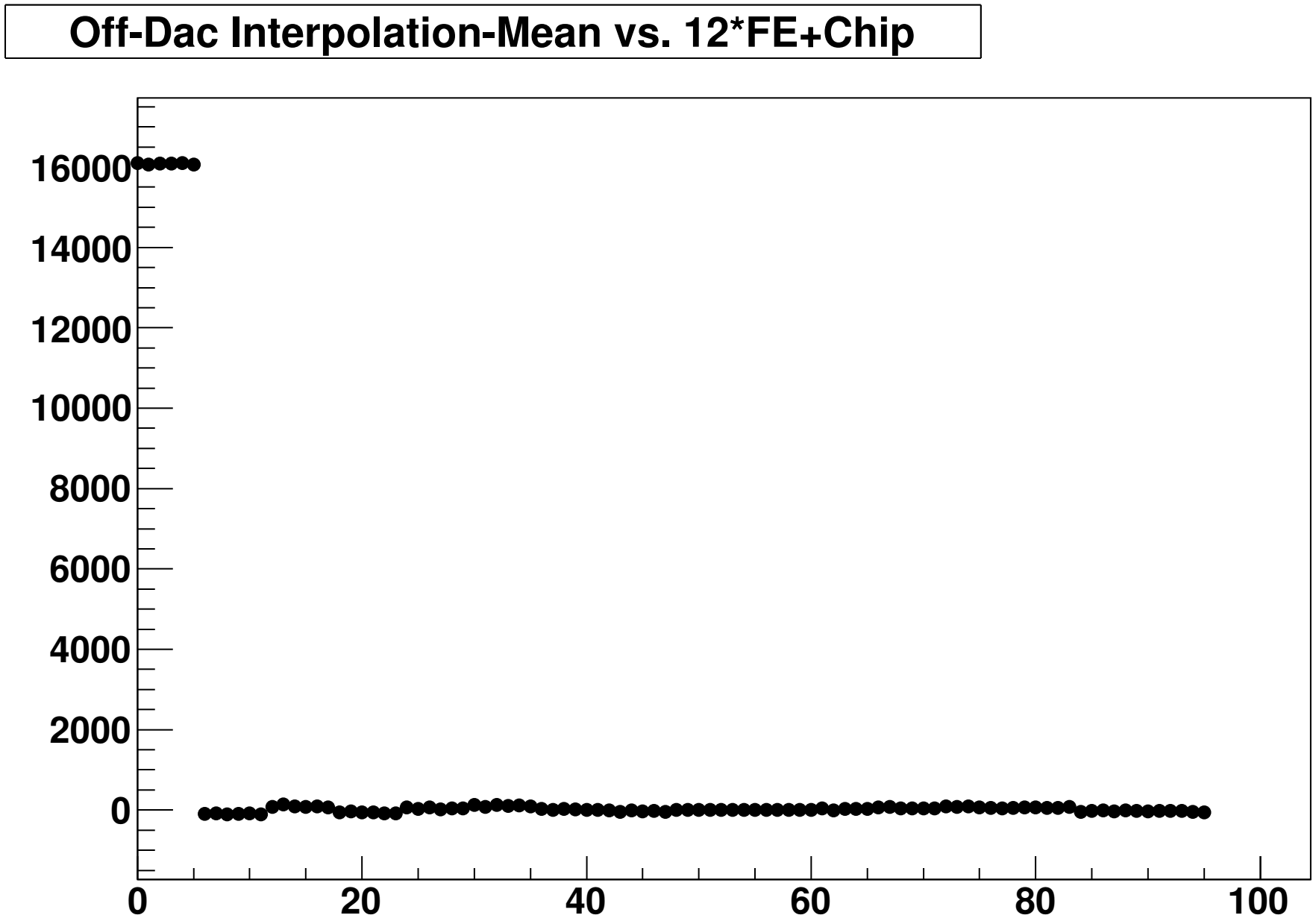

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
12
10
8
6
4
2
0
0
20
40
60
80
100

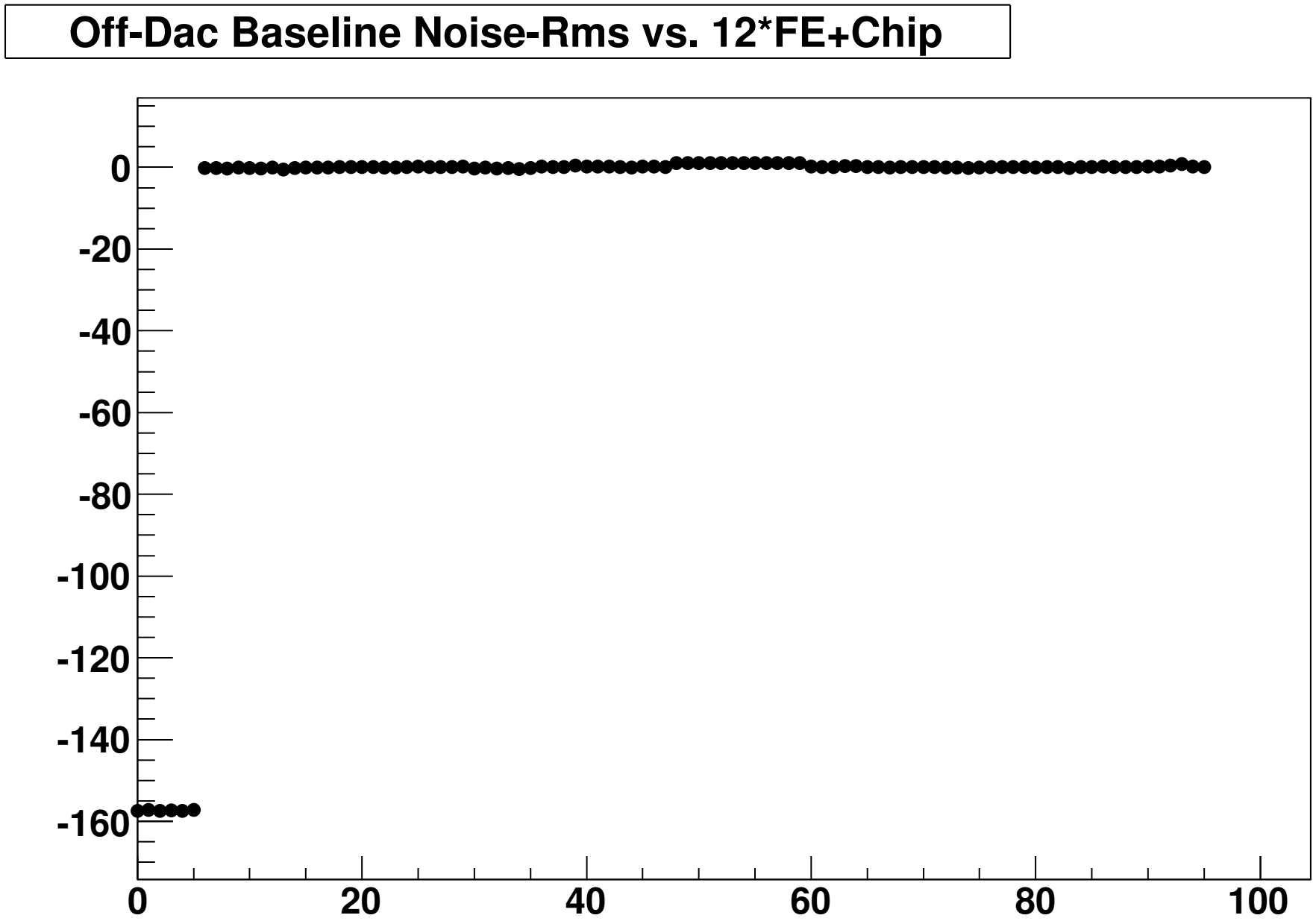

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
100
80
60
40
20
0
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
20000
15000
10000
5000
0
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-20
-40
-60
-80
-100
-120
-140
-160
-180
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-20
-40
-60
-80
-100
-120
-140
-160
0
20
40
60
80
100