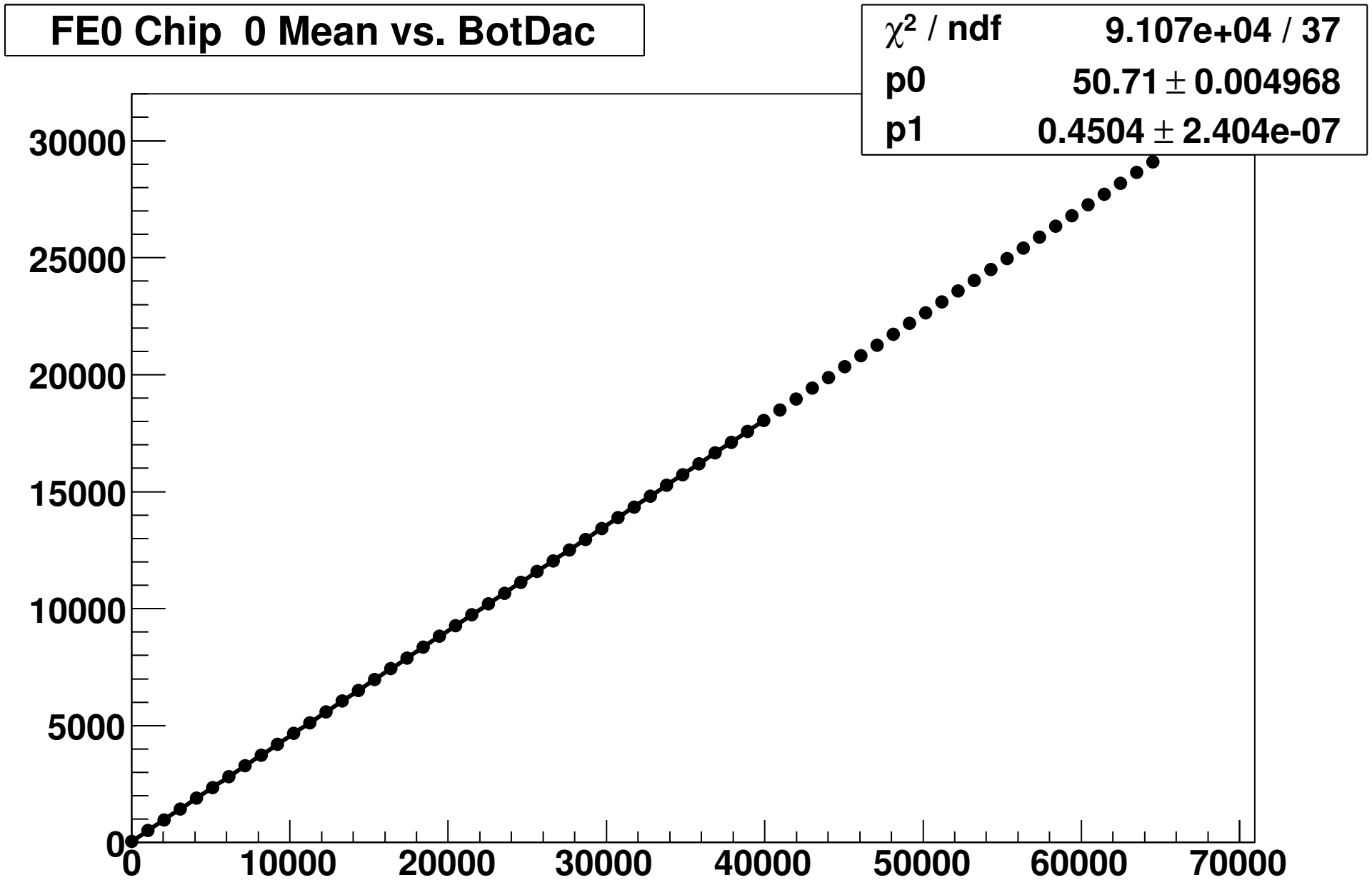
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 9.107e+04 / 37
p0 50.71 ± 0.004968
p1 0.4504 ± 2.404e-07
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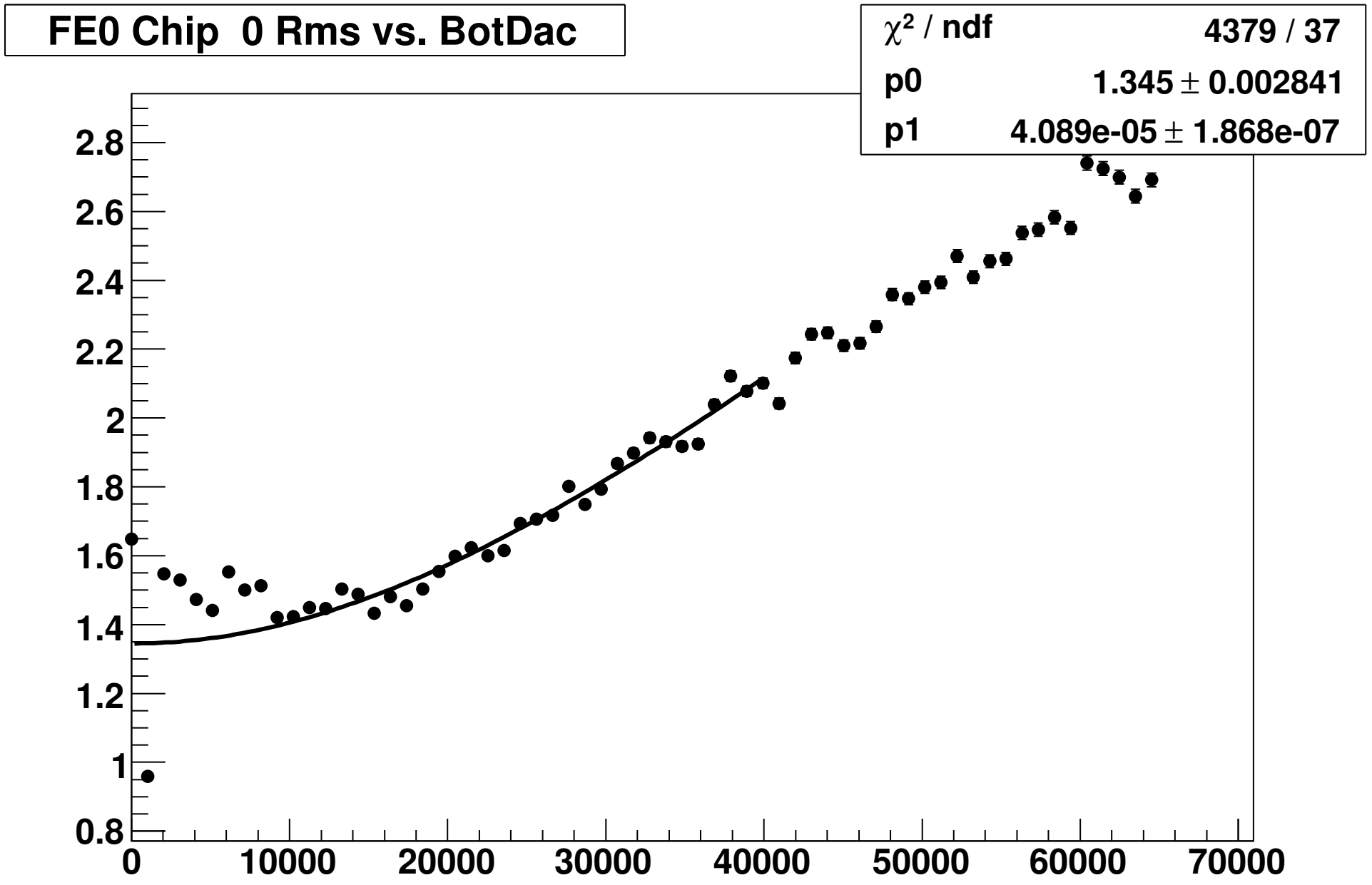
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 4379 / 37
p0 1.345 ± 0.002841
p1 4.089e-05 ± 1.868e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
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30000
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60000
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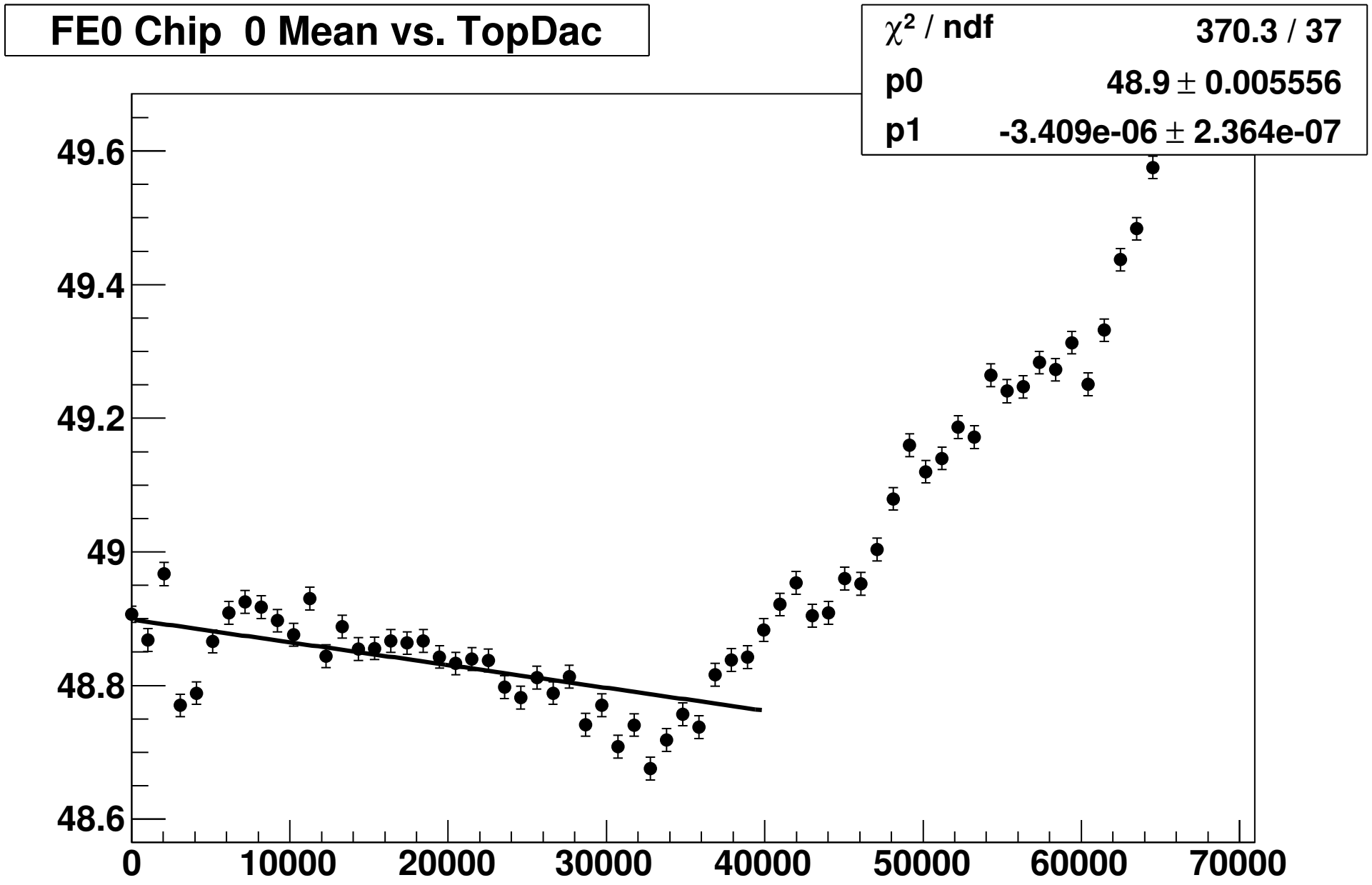
FE0 Chip 0 Mean vs. TopDac
χ² / ndf 370.3 / 37
p0 48.9 ± 0.005556
p1 -3.409e-06 ± 2.364e-07
49.6
49.4
49.2
49
48.8
48.6
0
10000
20000
30000
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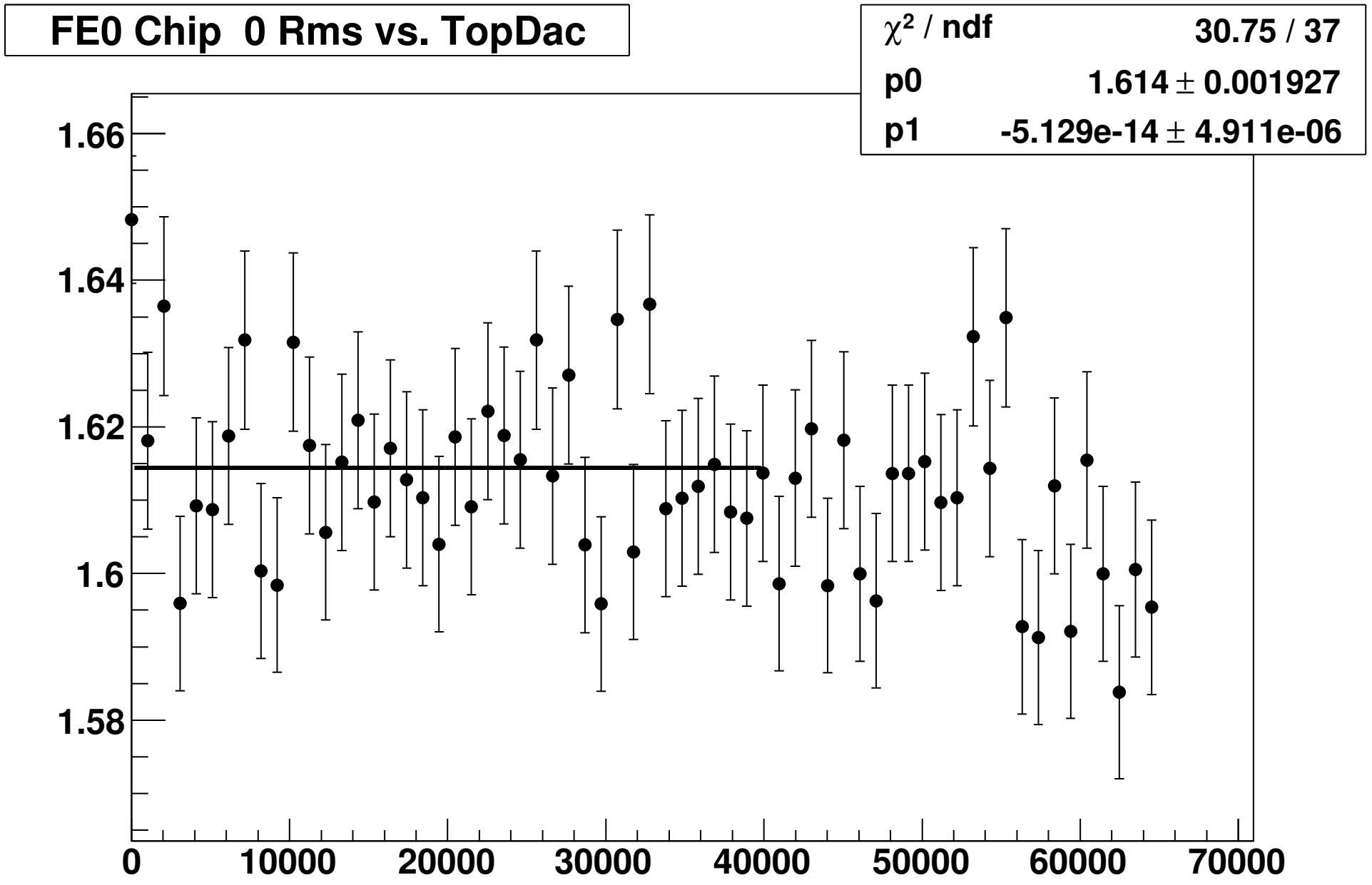
50000
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 30.75 / 37
p0 1.614 ± 0.001927
p1 -5.129e-14 ± 4.911e-06
1.66
1.64
1.62
1.6
1.58
0
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20000
30000
40000
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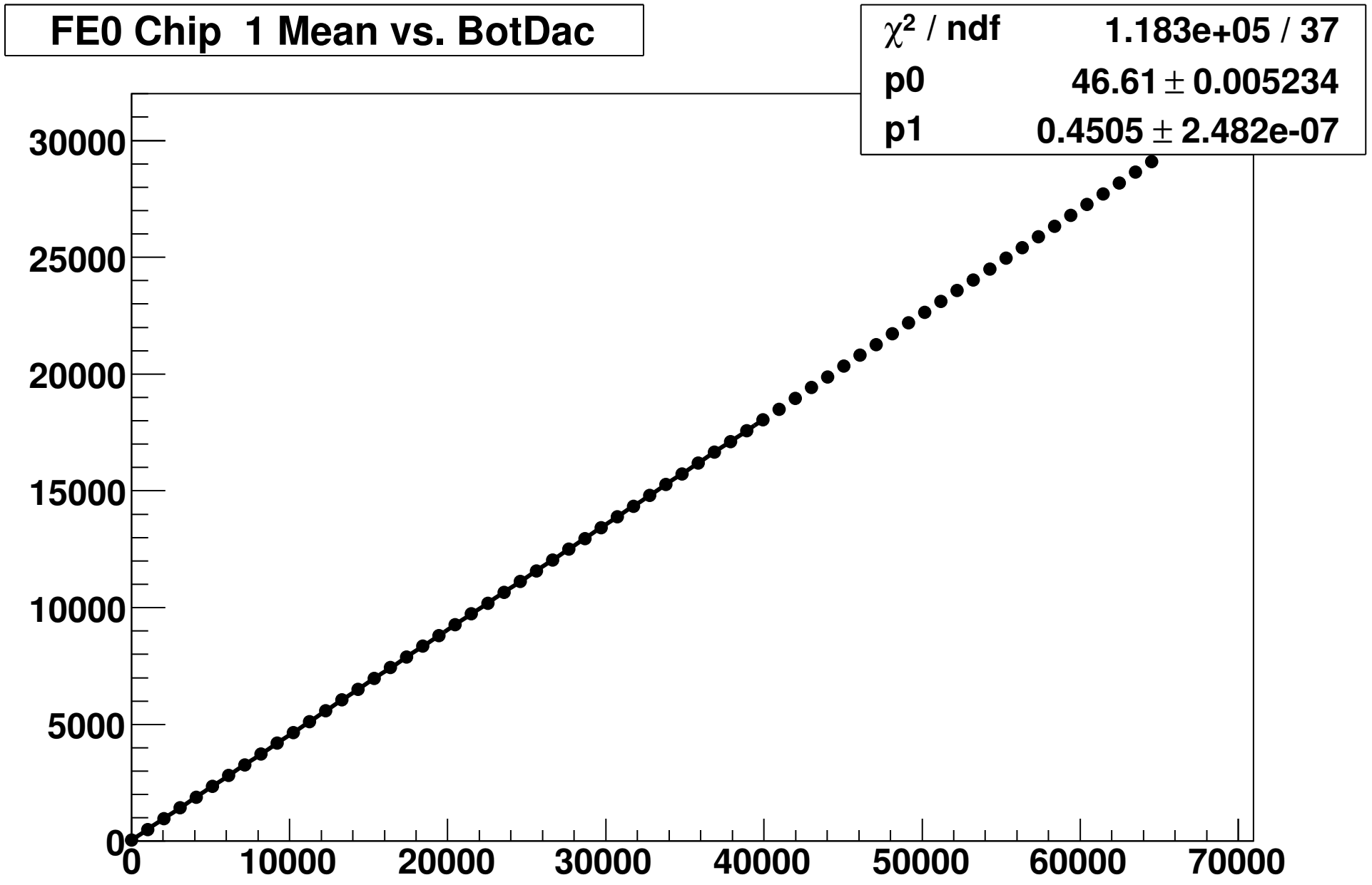
60000
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.183e+05 / 37
p0 46.61 ± 0.005234
p1 0.4505 ± 2.482e-07
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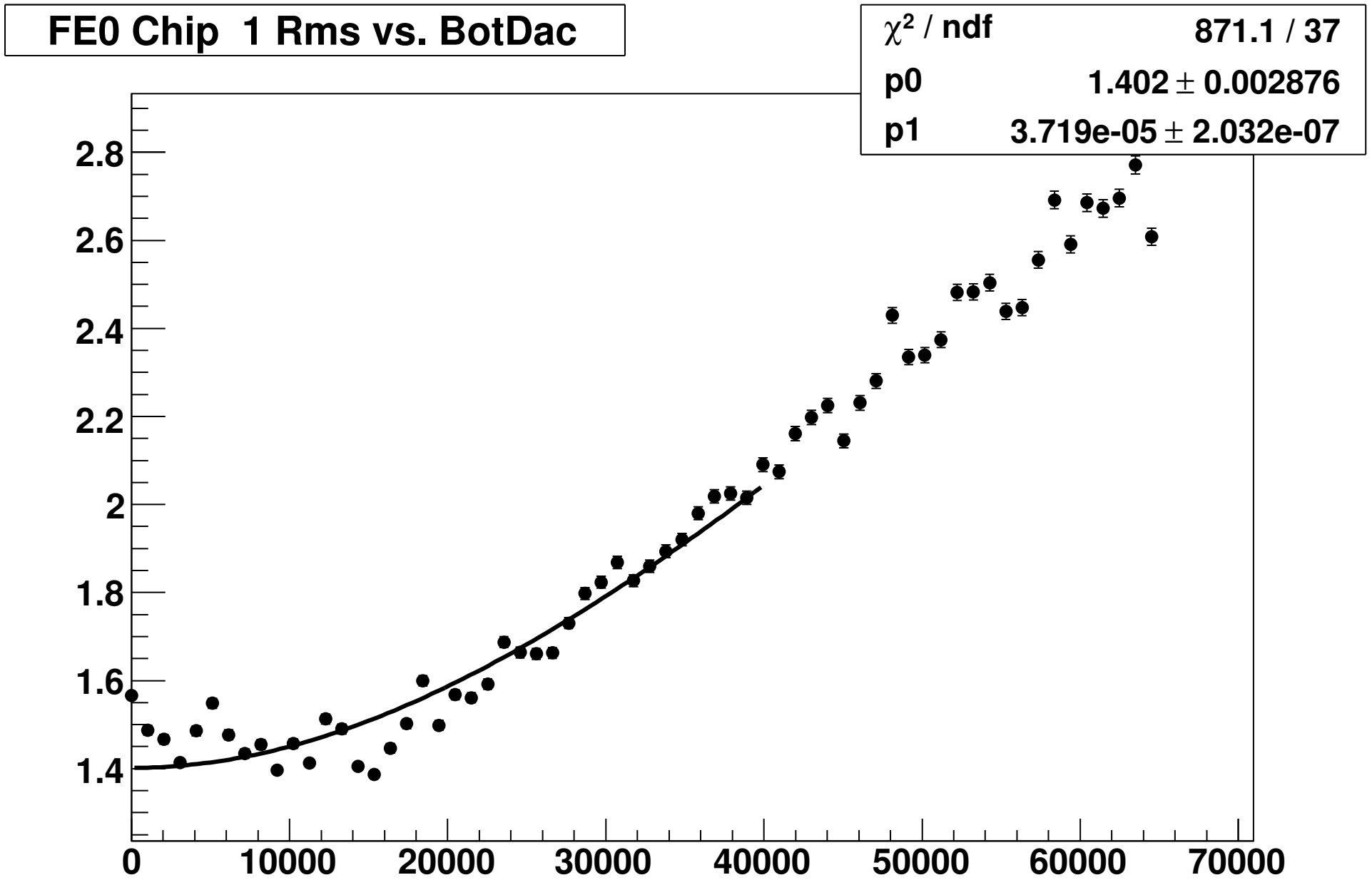
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 871.1 / 37
p0 1.402 ± 0.002876
p1 3.719e-05 ± 2.032e-07
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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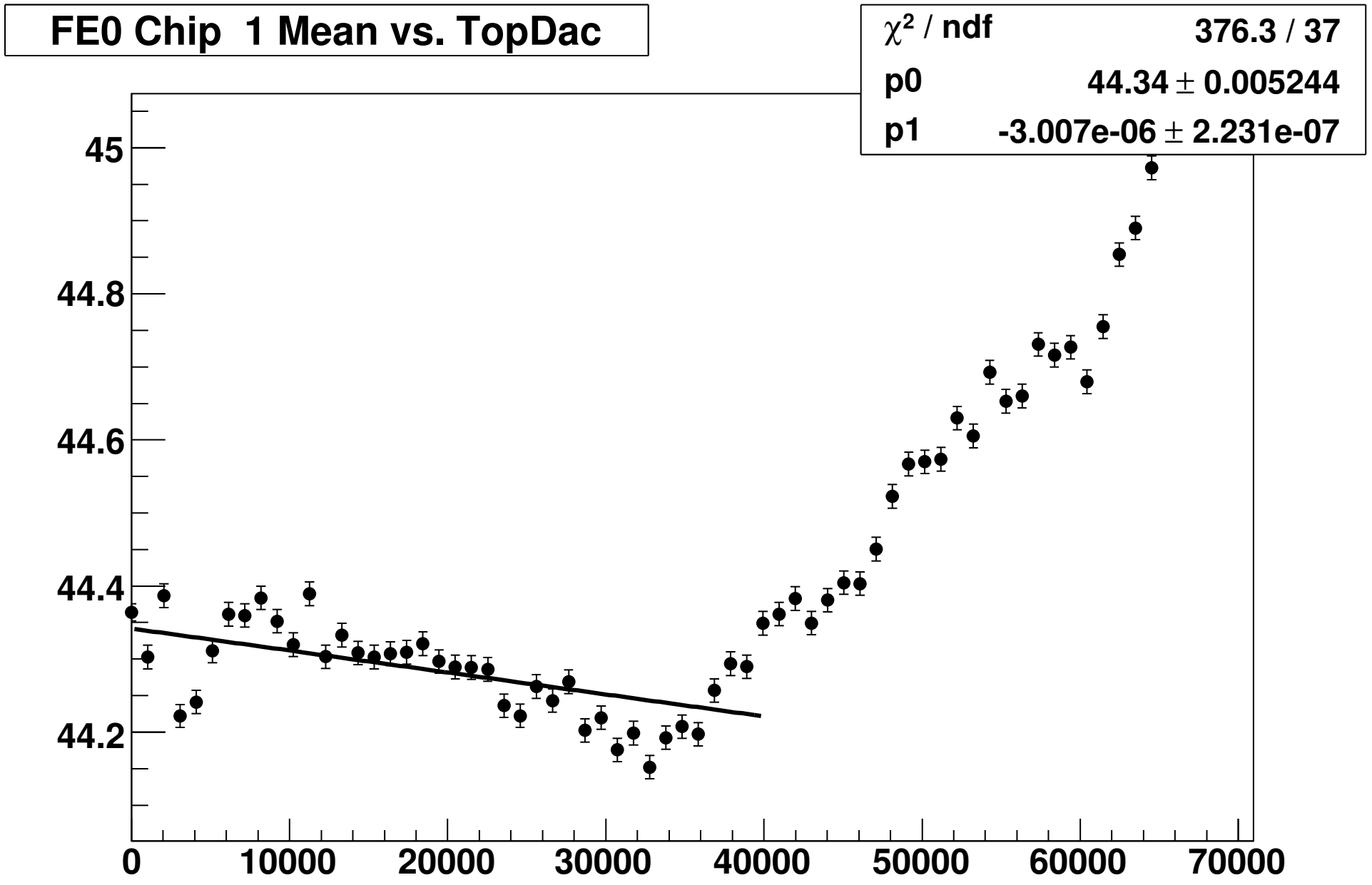
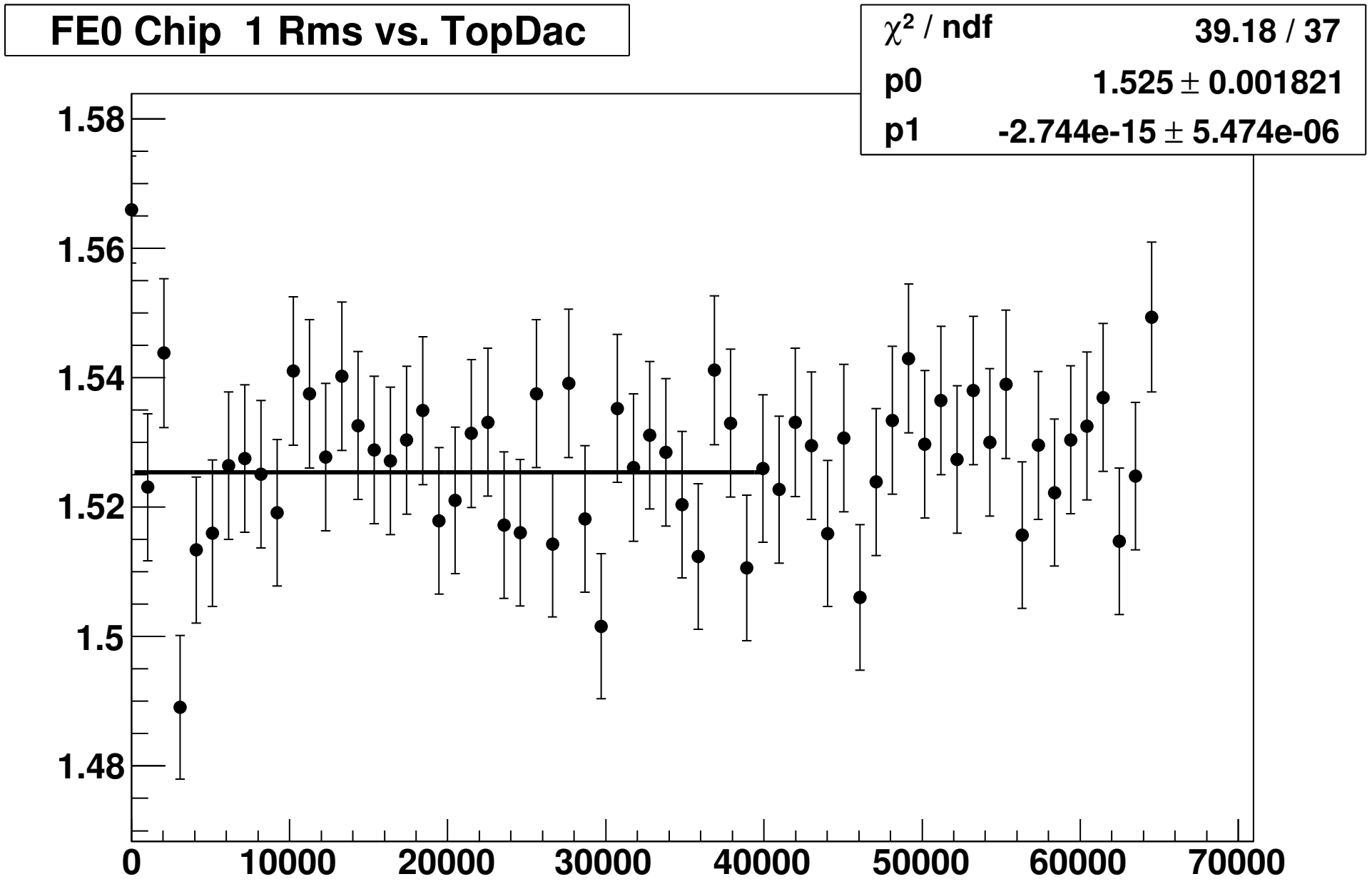
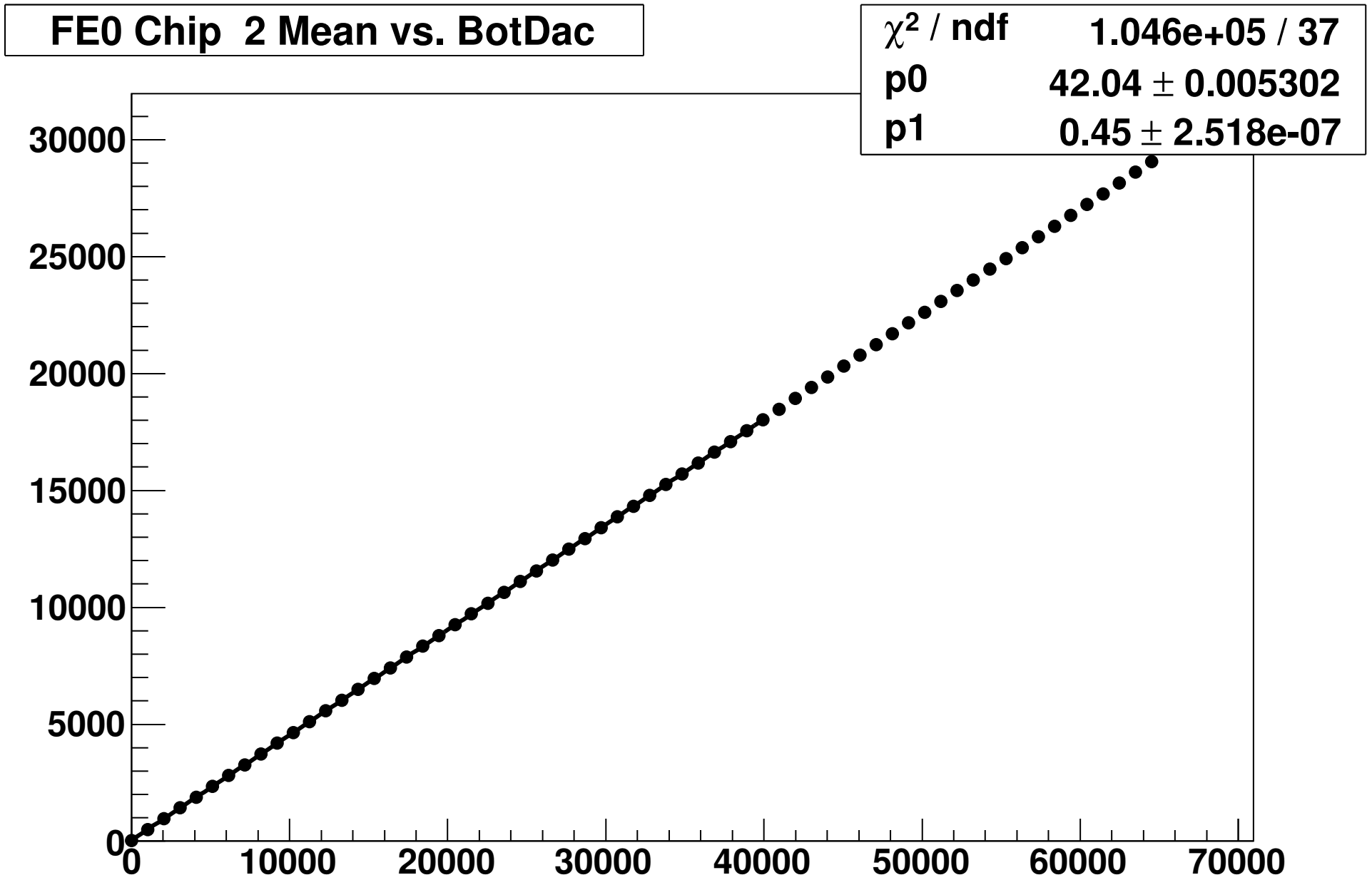

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 376.3 / 37
p0 44.34 ± 0.005244
p1 -3.007e-06 ± 2.231e-07
45
44.8
44.6
44.4
44.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 39.18 / 37
p0 1.525 ± 0.001821
p1 -2.744e-15 ± 5.474e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.046e+05 / 37
p0 42.04 ± 0.005302
p1 0.45 ± 2.518e-07
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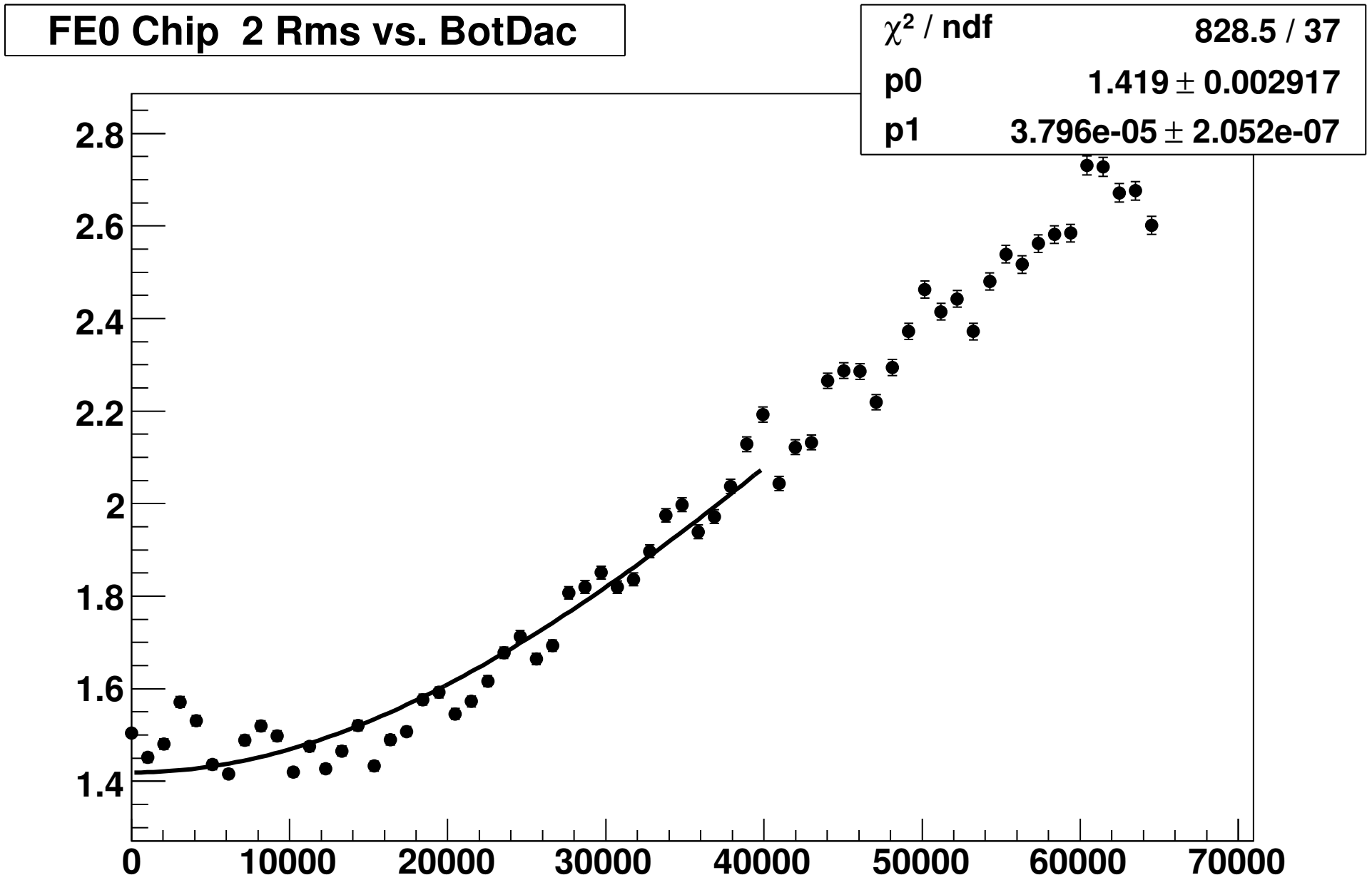
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 828.5 / 37
p0 1.419 ± 0.002917
p1 3.796e-05 ± 2.052e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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60000
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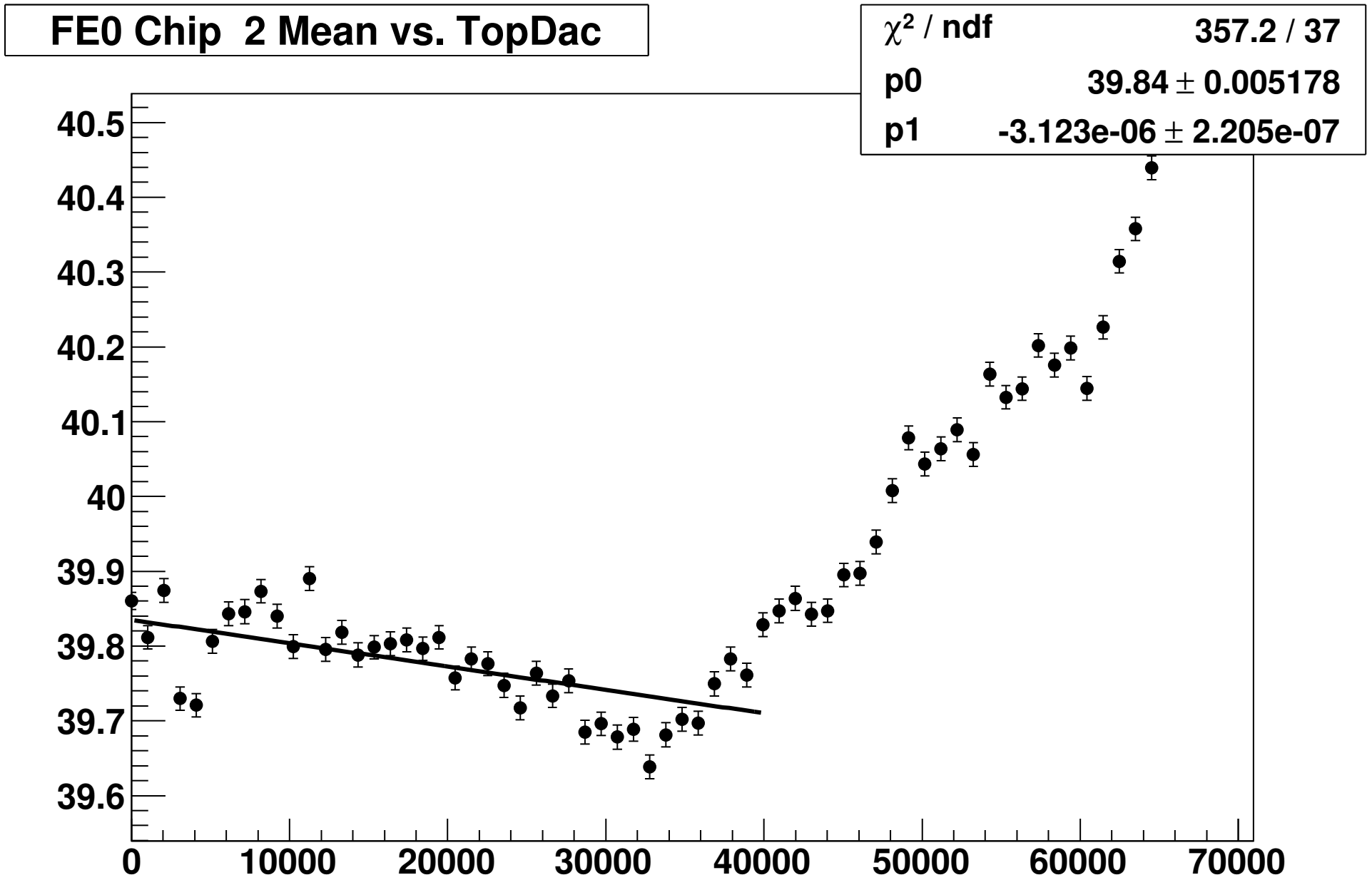
FE0 Chip 2 Mean vs. TopDac
χ² / ndf 357.2 / 37
p0 39.84 ± 0.005178
p1 -3.123e-06 ± 2.205e-07
40.5
40.4
40.3
40.2
40.1
40
39.9
39.8
39.7
39.6
0
10000
20000
30000
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50000
60000
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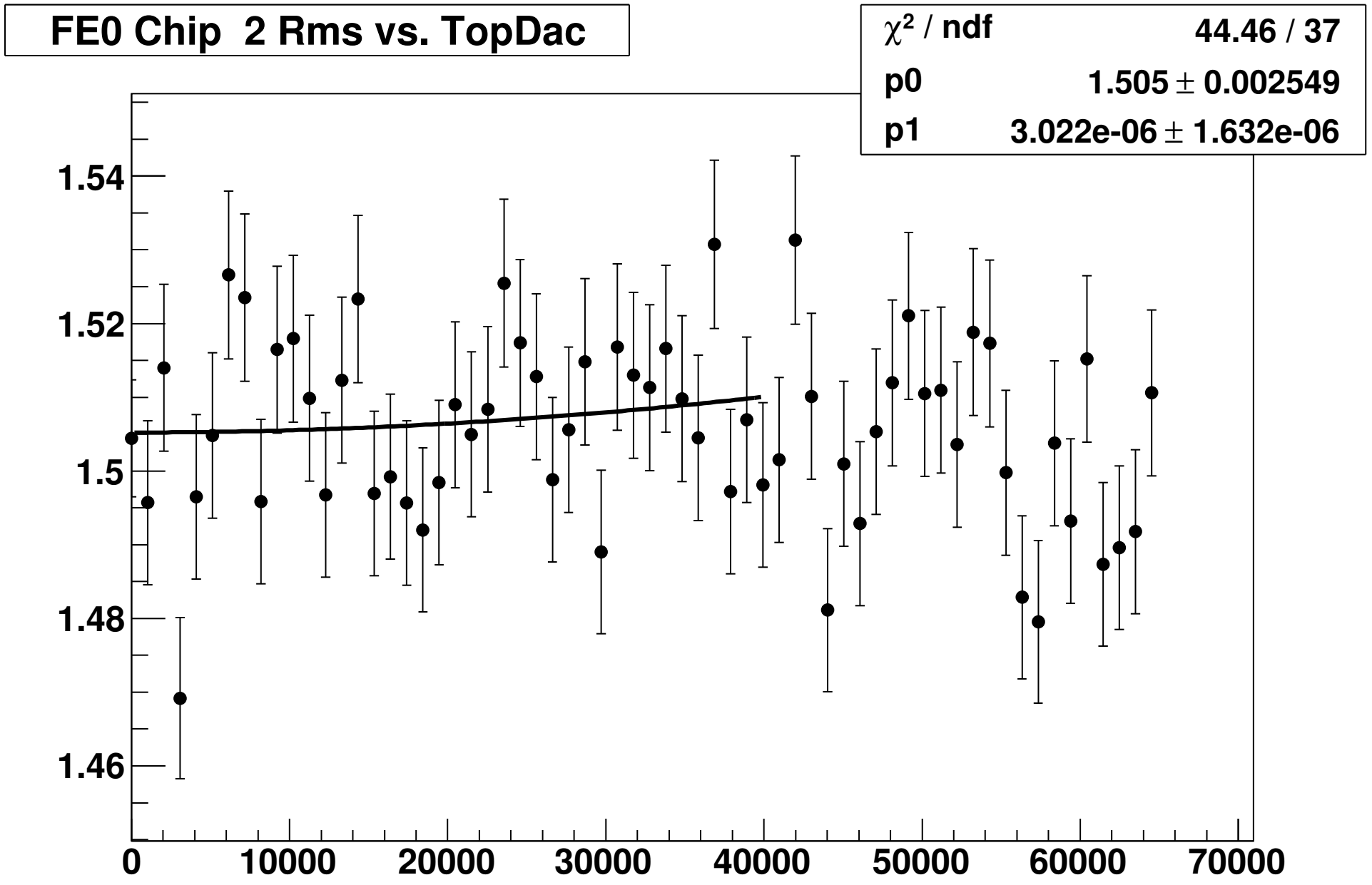
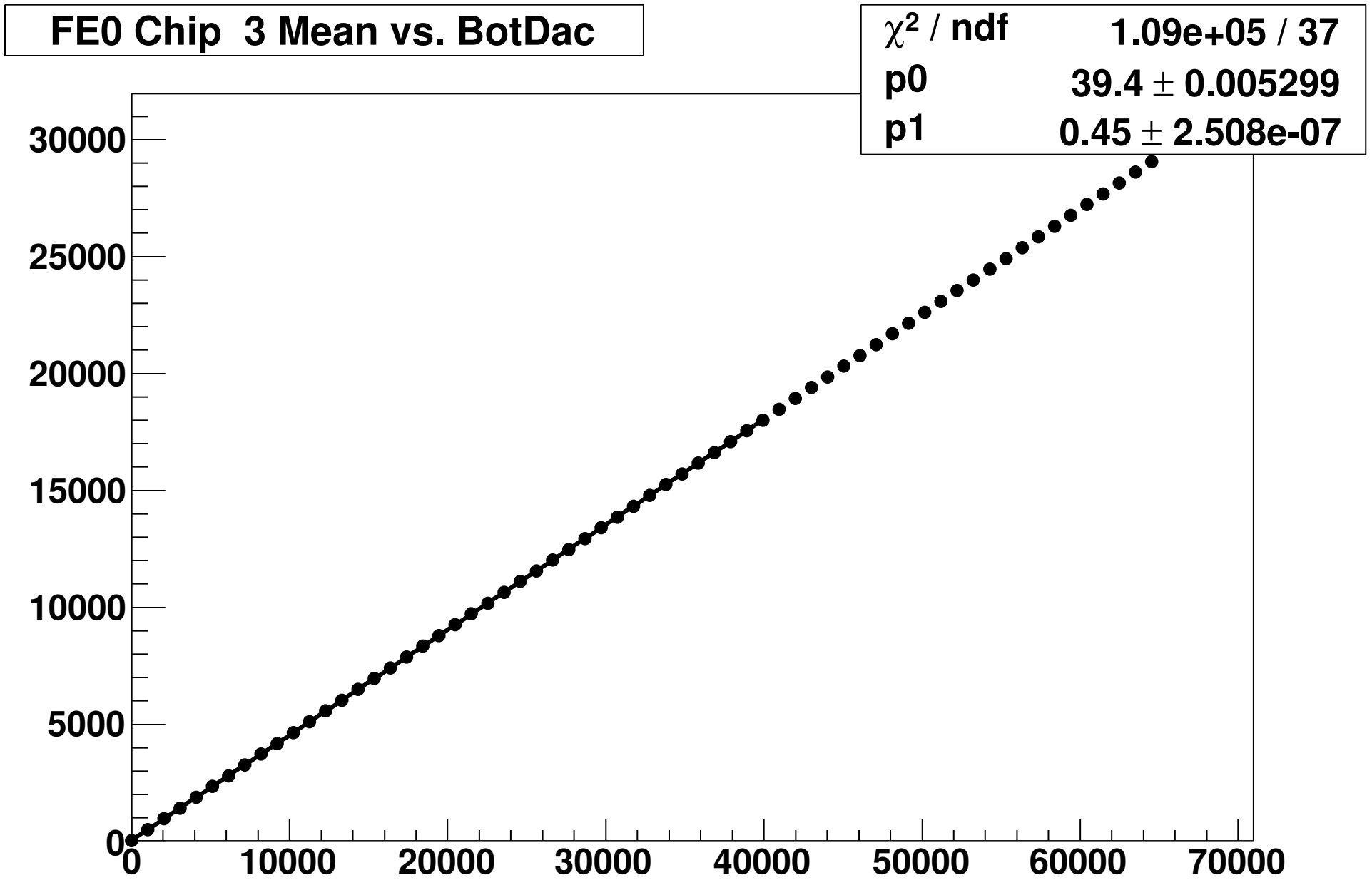

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 44.46 / 37
p0 1.505 ± 0.002549
p1 3.022e-06 ± 1.632e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.09e+05 / 37
p0 39.4 ± 0.005299
p1 0.45 ± 2.508e-07
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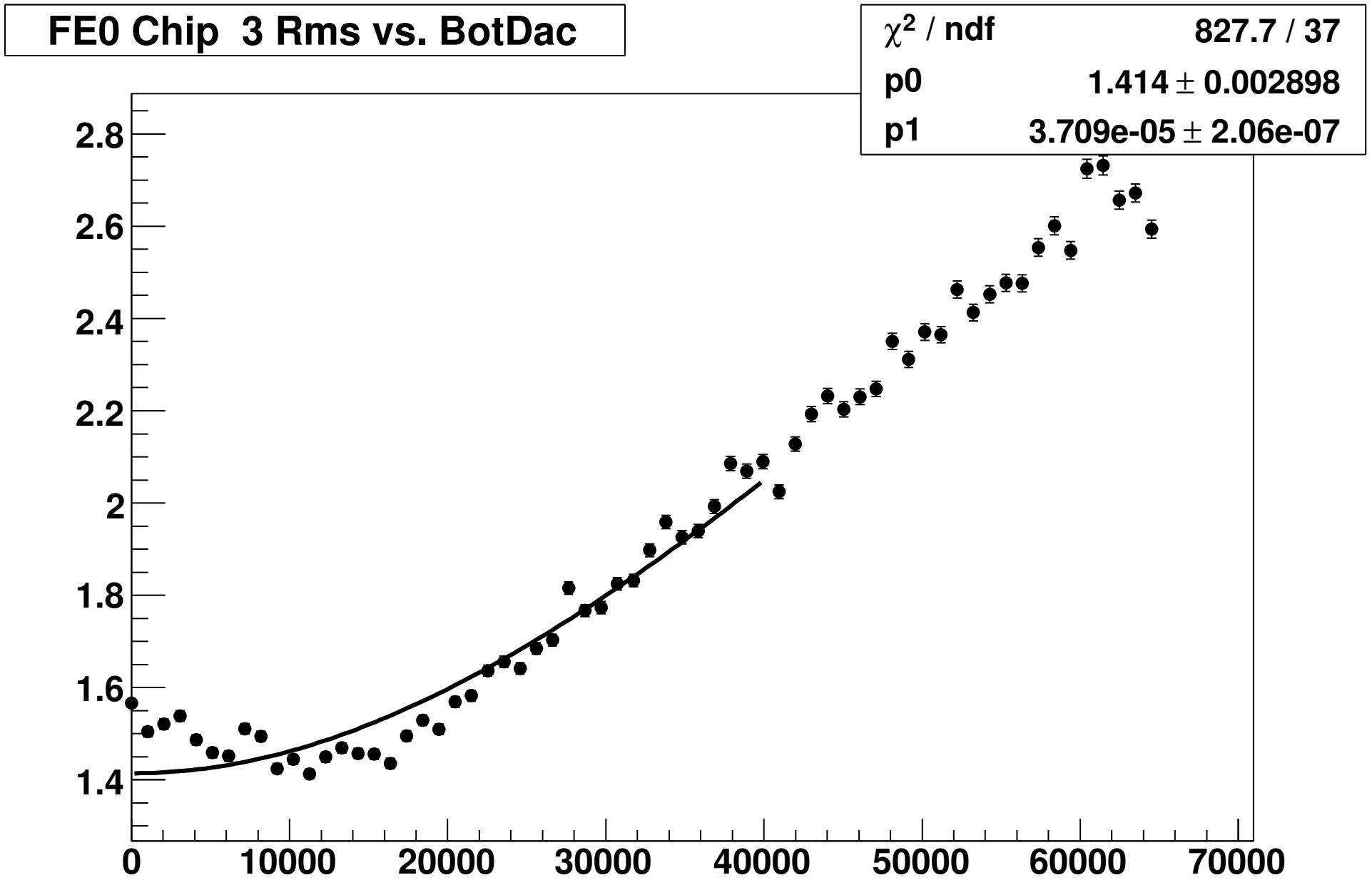
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 827.7 / 37
p0 1.414 ± 0.002898
p1 3.709e-05 ± 2.06e-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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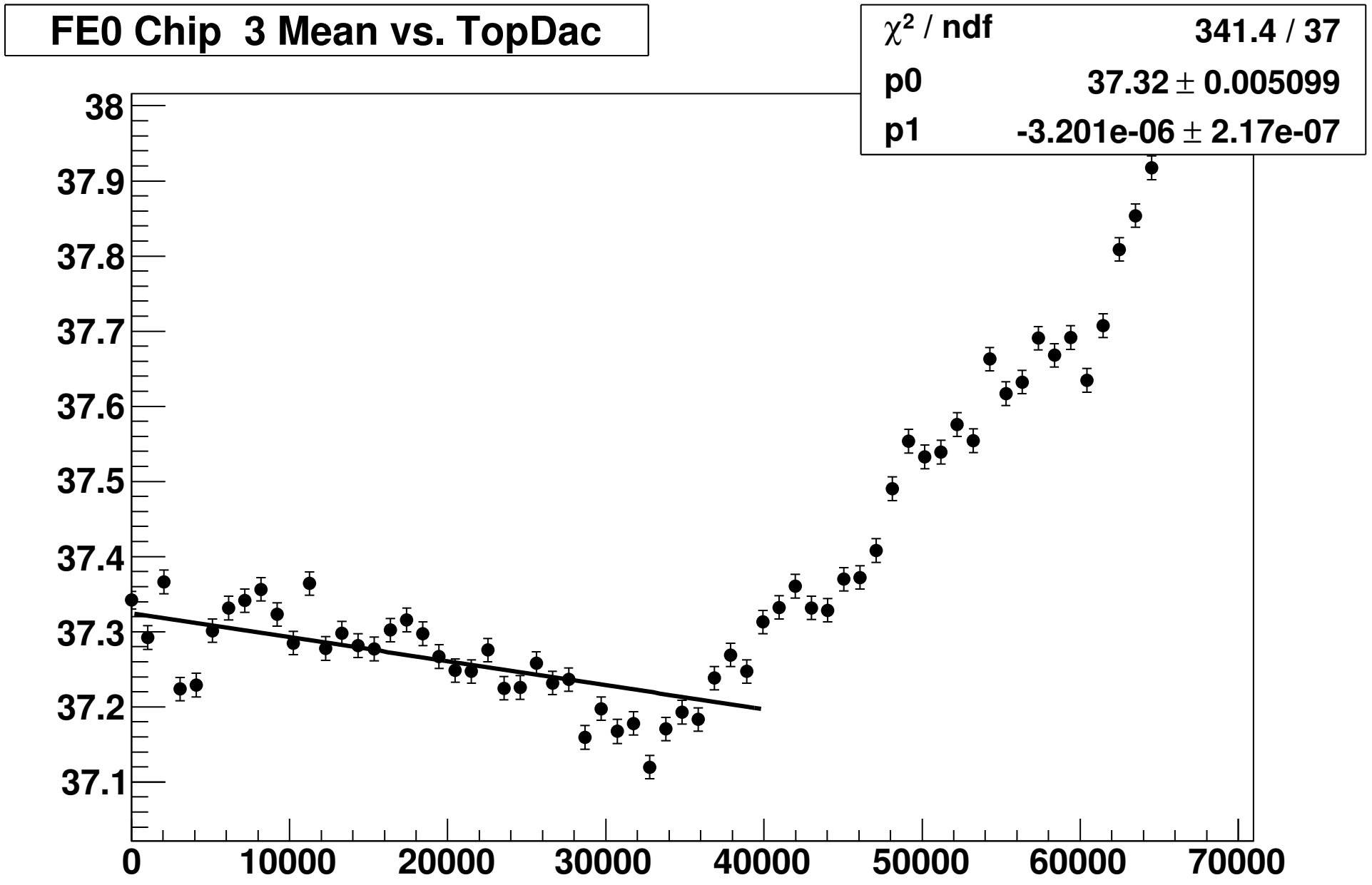
FE0 Chip 3 Mean vs. TopDac
χ² / ndf 341.4 / 37
p0 37.32 ± 0.005099
p1 -3.201e-06 ± 2.17e-07
38
37.9
37.8
37.7
37.6
37.5
37.4
37.3
37.2
37.1
0
10000
20000
30000
40000
50000
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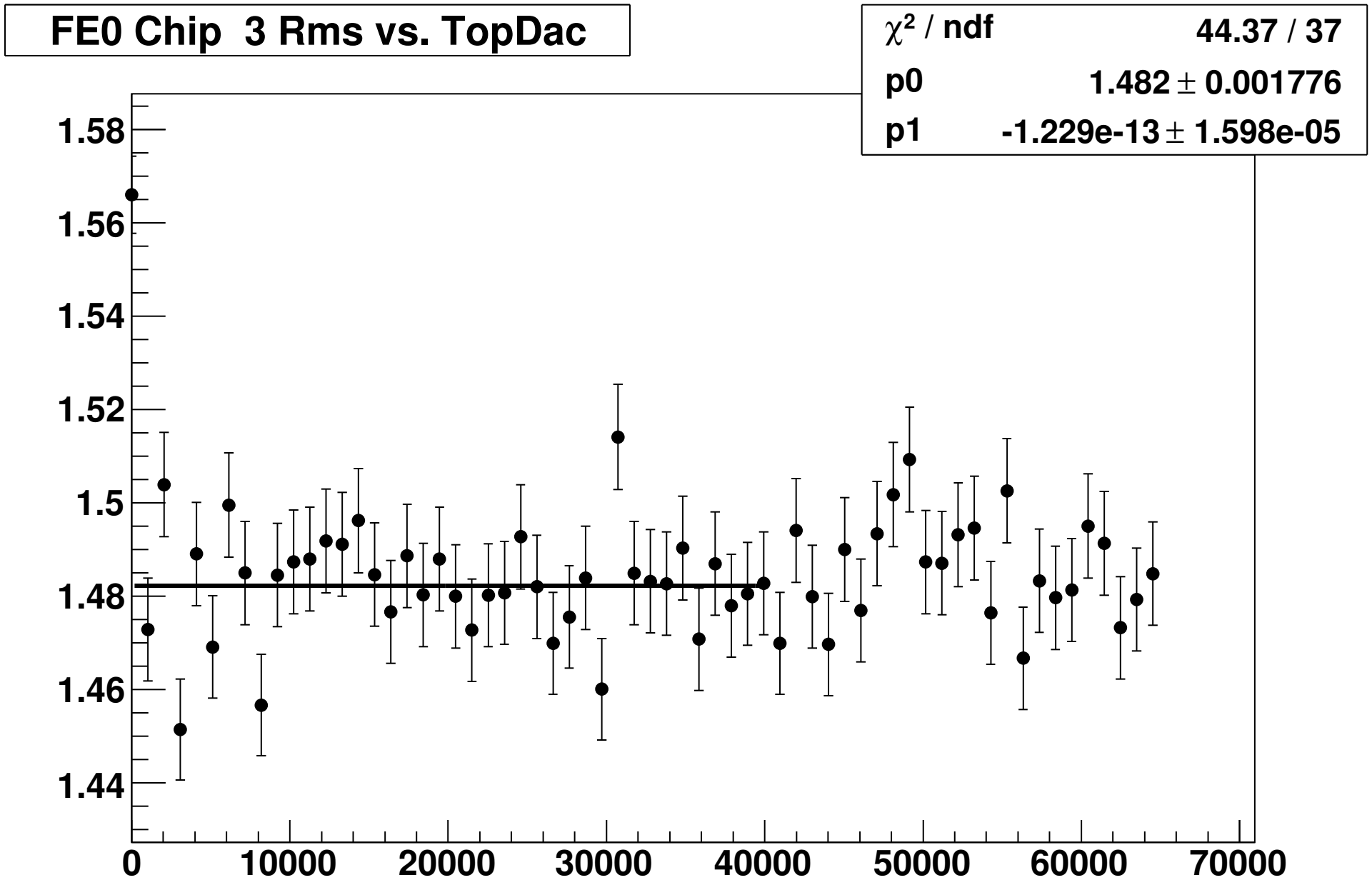
FE0 Chip 3 Rms vs. TopDac
χ² / ndf 44.37 / 37
p0 1.482 ± 0.001776
p1 -1.229e-13 ± 1.598e-05
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
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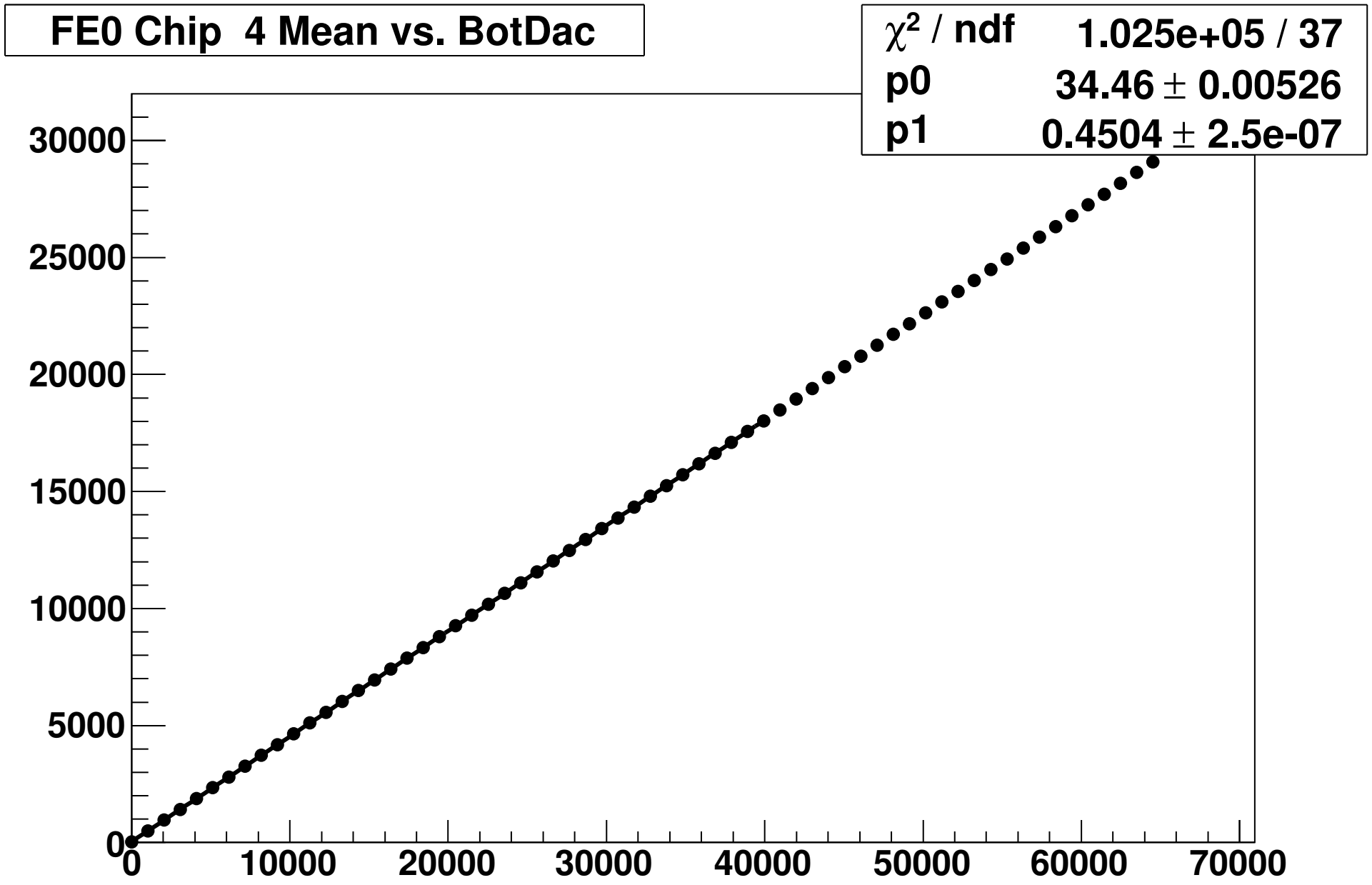
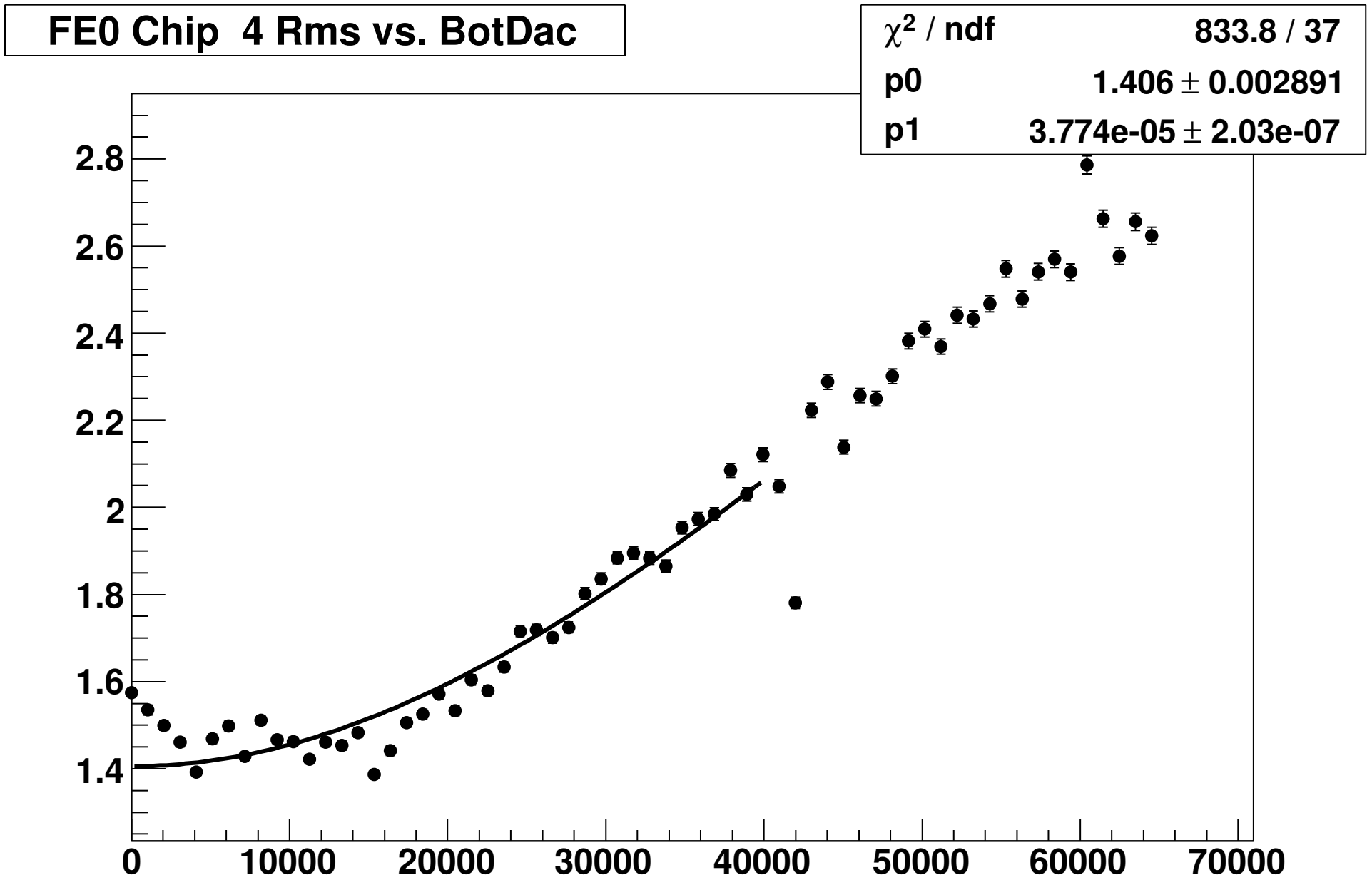
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.025e+05 / 37
p0 34.46 ± 0.00526
p1 0.4504 ± 2.5e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 833.8 / 37
p0 1.406 ± 0.002891
p1 3.774e-05 ± 2.03e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
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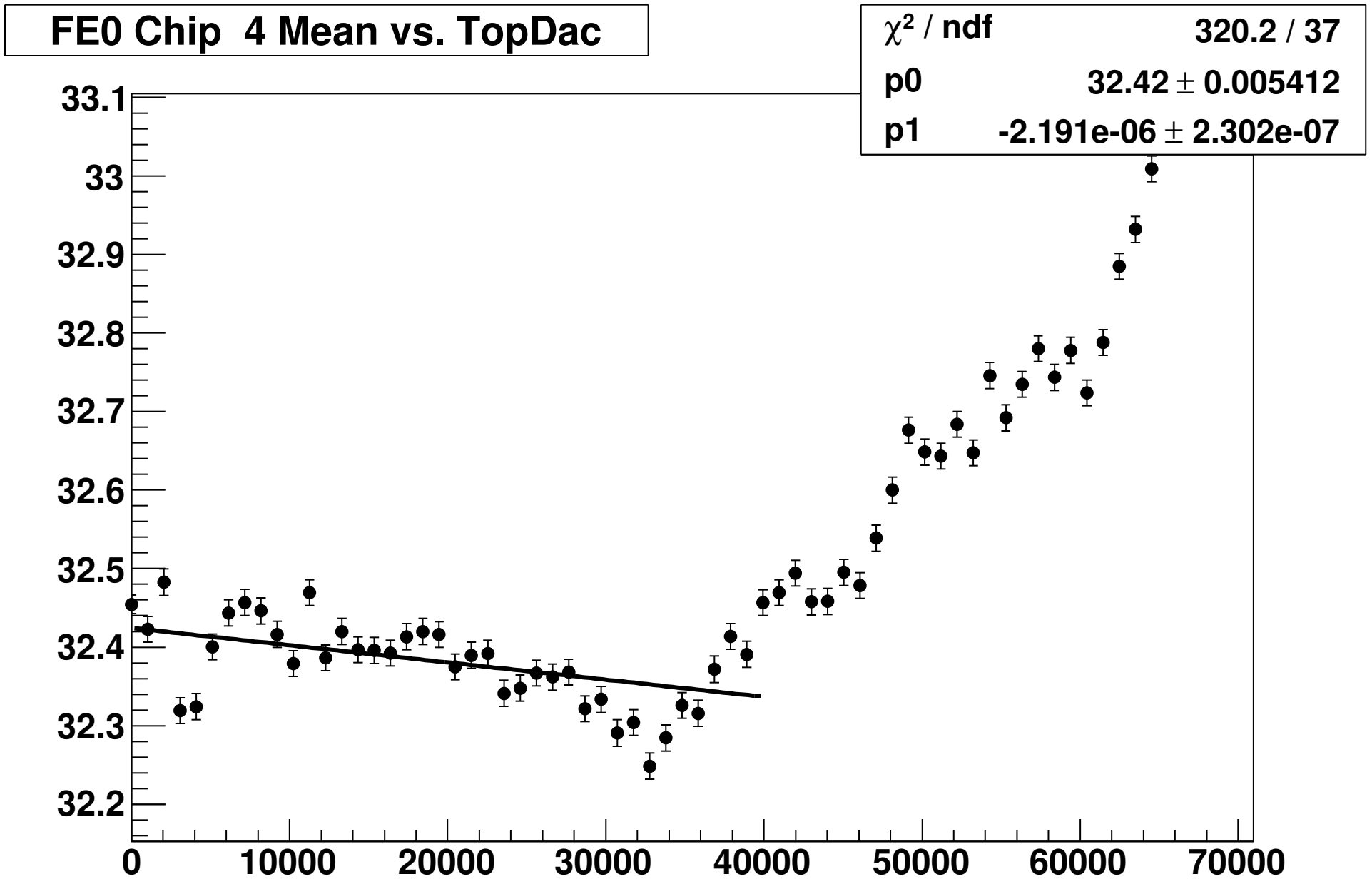
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 320.2 / 37
p0 32.42 ± 0.005412
p1 -2.191e-06 ± 2.302e-07
33.1
33
32.9
32.8
32.7
32.6
32.5
32.4
32.3
32.2
0
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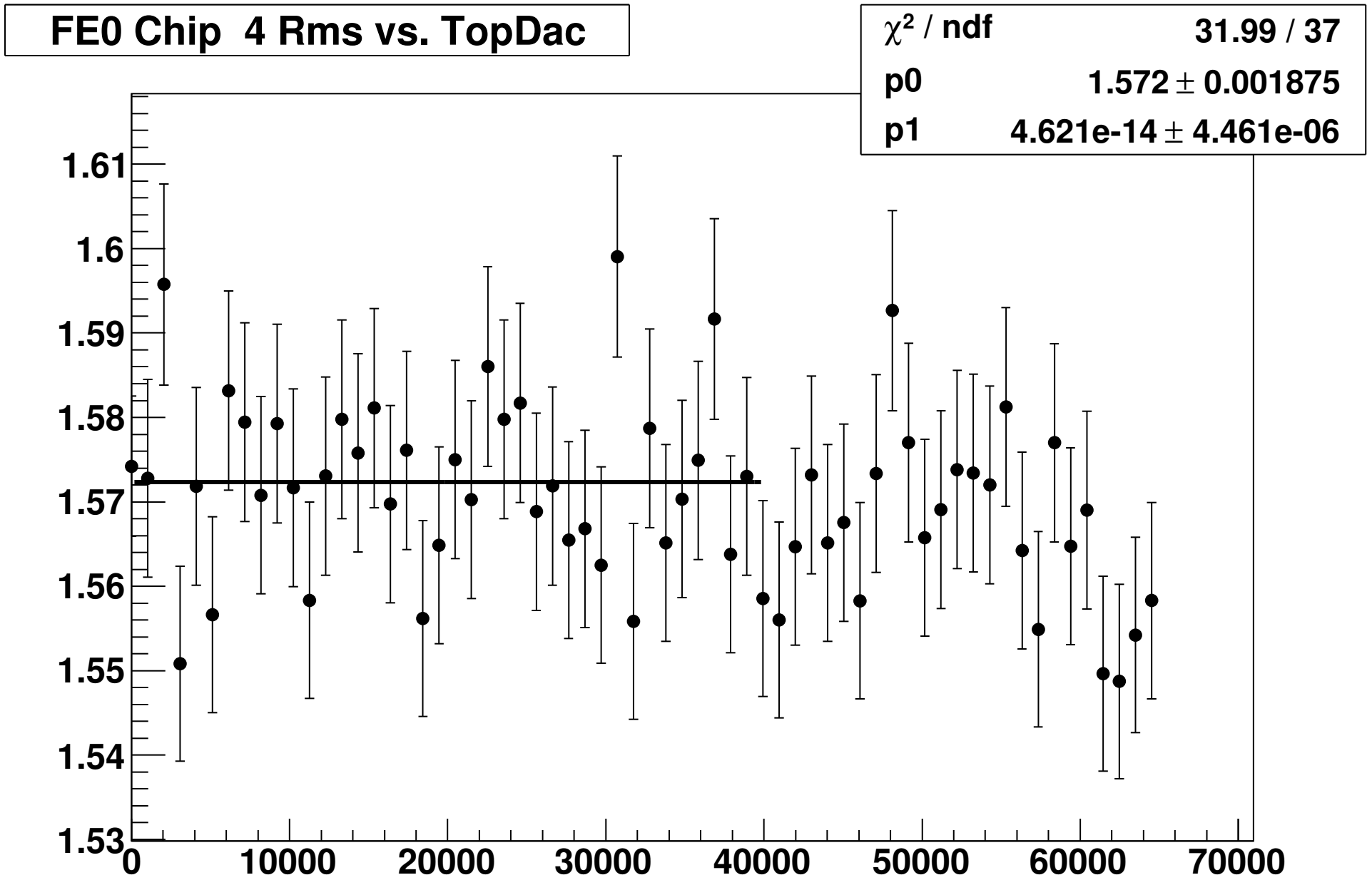
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 31.99 / 37
p0 1.572 ± 0.001875
p1 4.621e-14 ± 4.461e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
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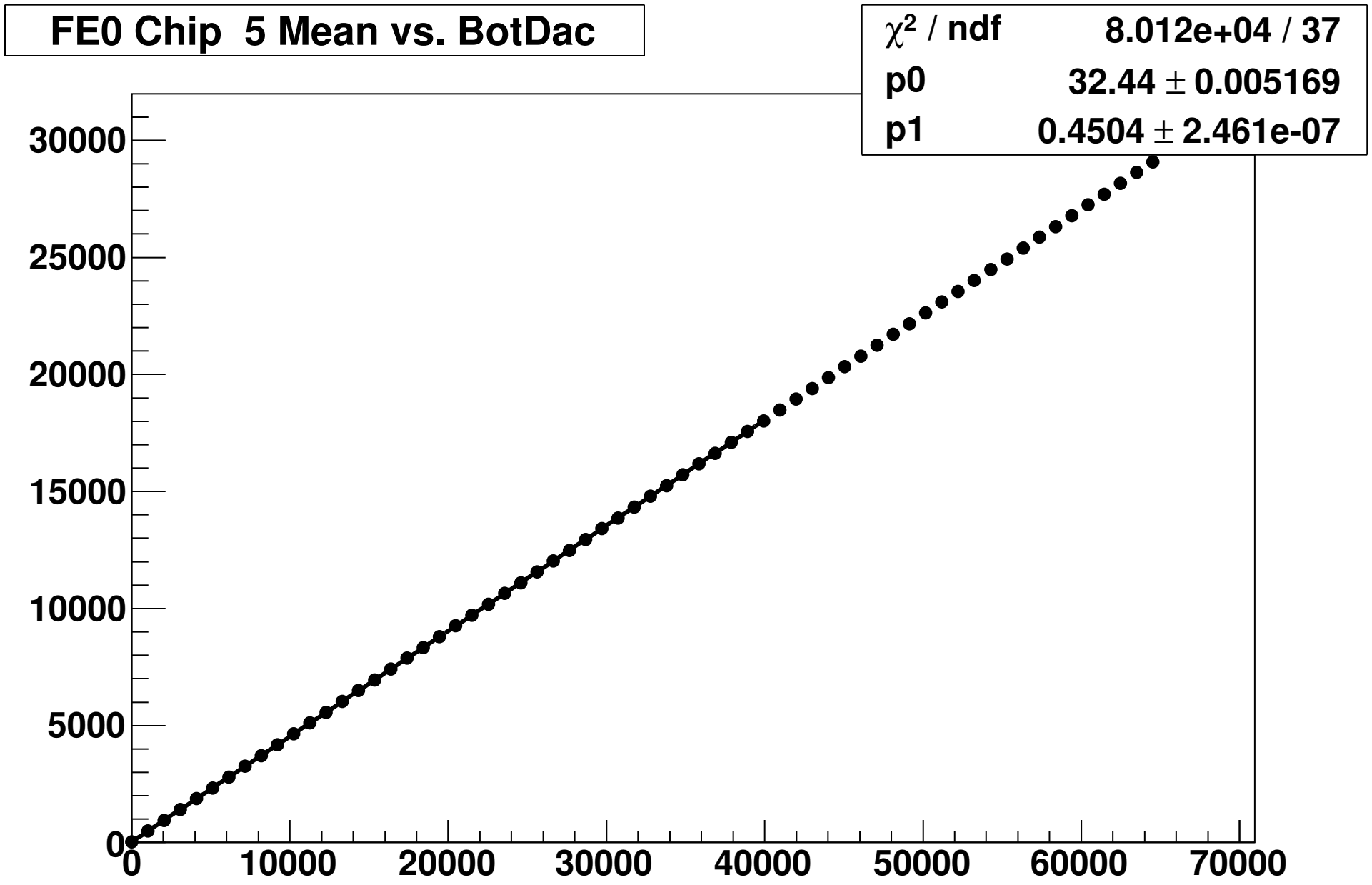
FE0 Chip 5 Mean vs. BotDac
χ² / ndf 8.012e+04 / 37
p0 32.44 ± 0.005169
p1 0.4504 ± 2.461e-07
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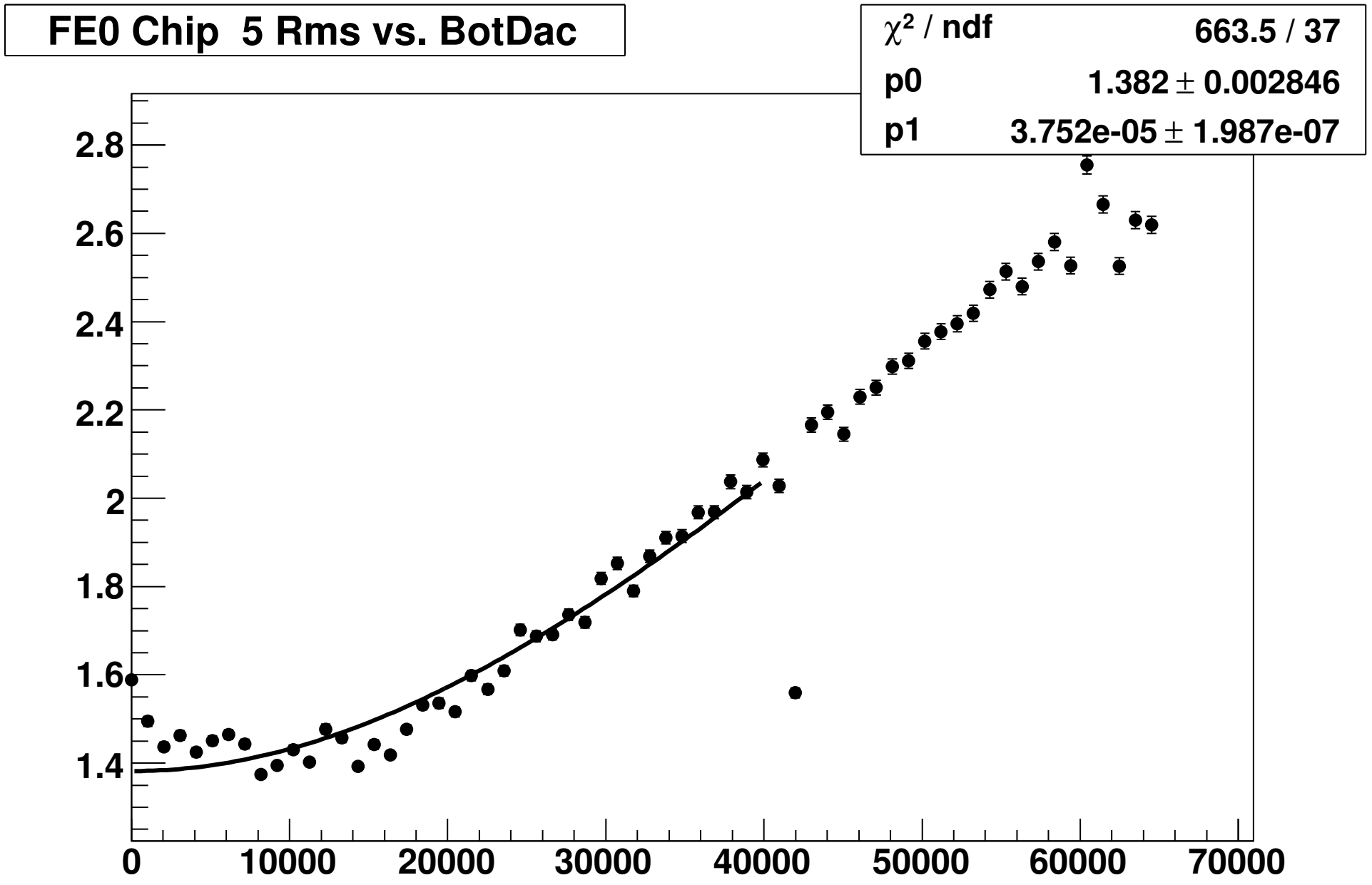
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 663.5 / 37
p0 1.382 ± 0.002846
p1 3.752e-05 ± 1.987e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
60000
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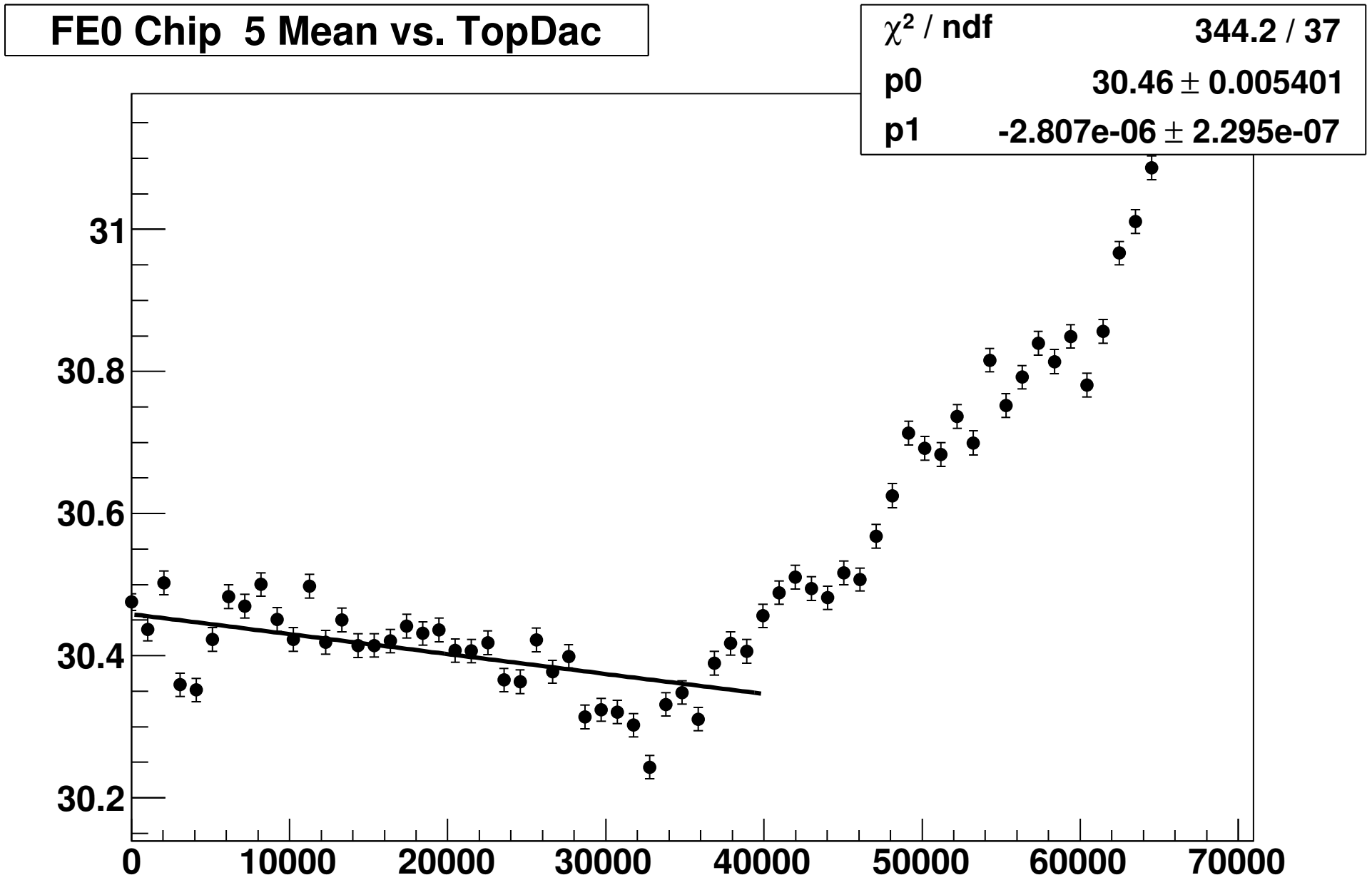
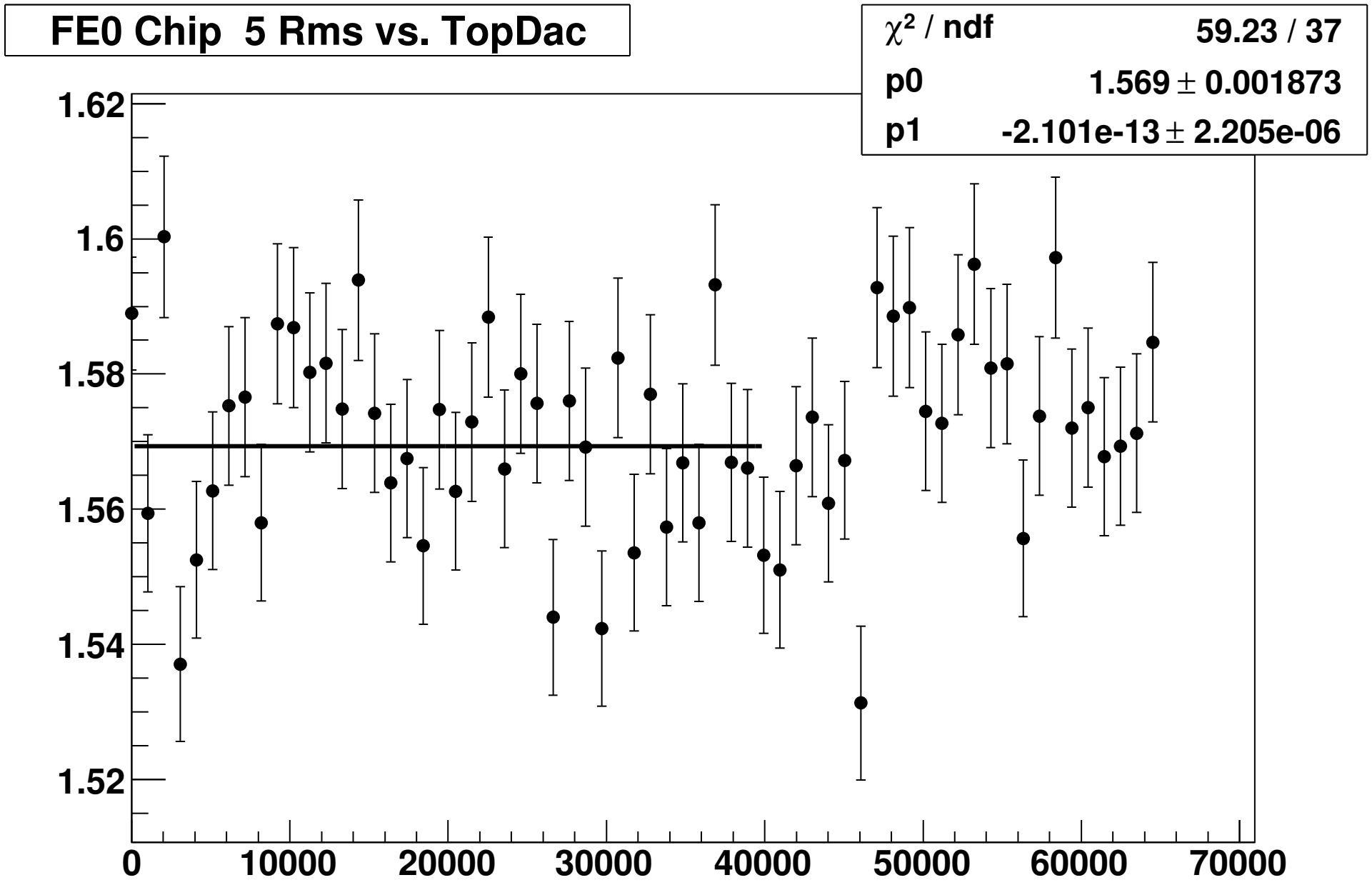

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 344.2 / 37
p0 30.46 ± 0.005401
p1 -2.807e-06 ± 2.295e-07
31
30.8
30.6
30.4
30.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 59.23 / 37
p0 1.569 ± 0.001873
p1 -2.101e-13 ± 2.205e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
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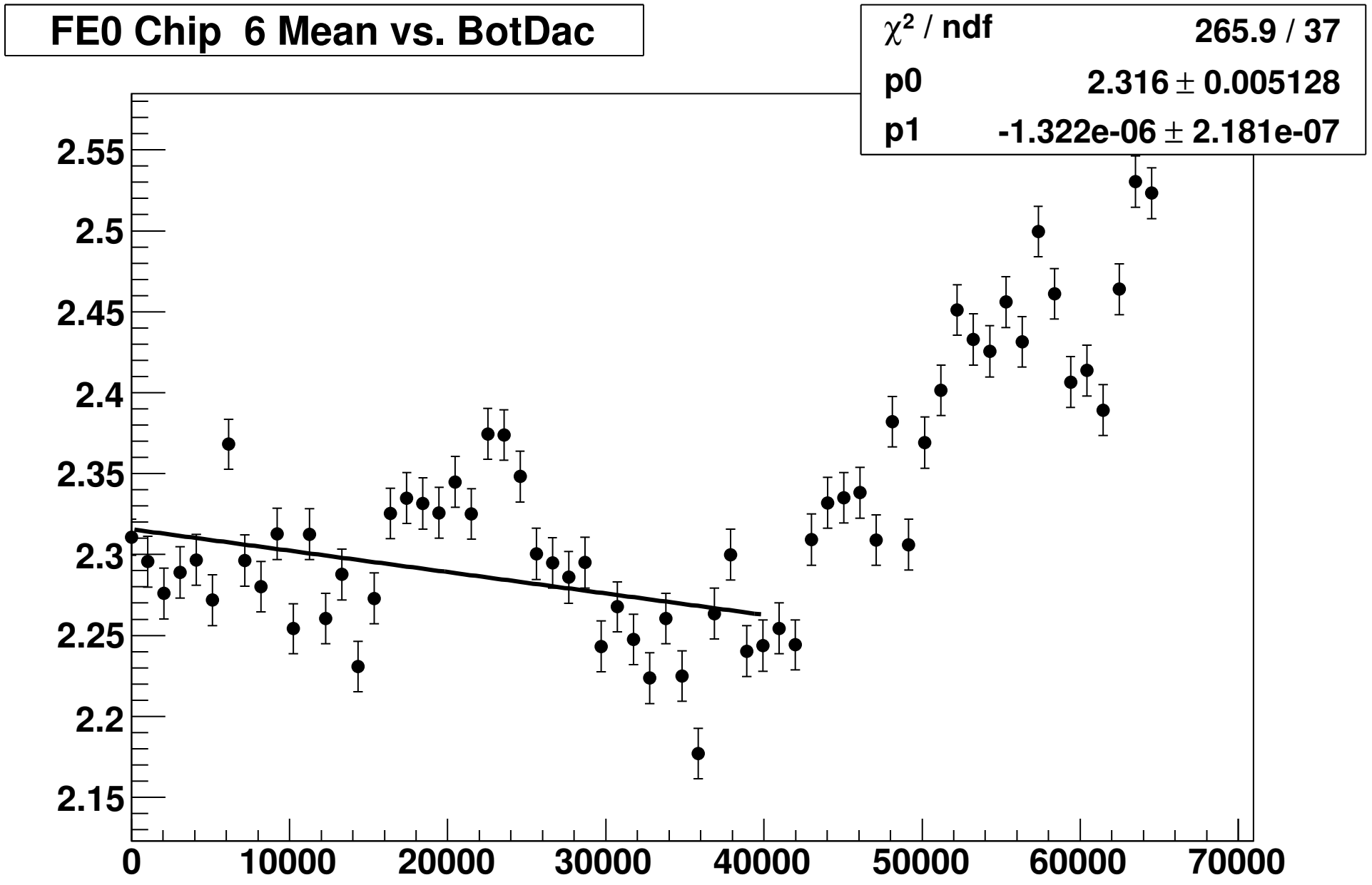
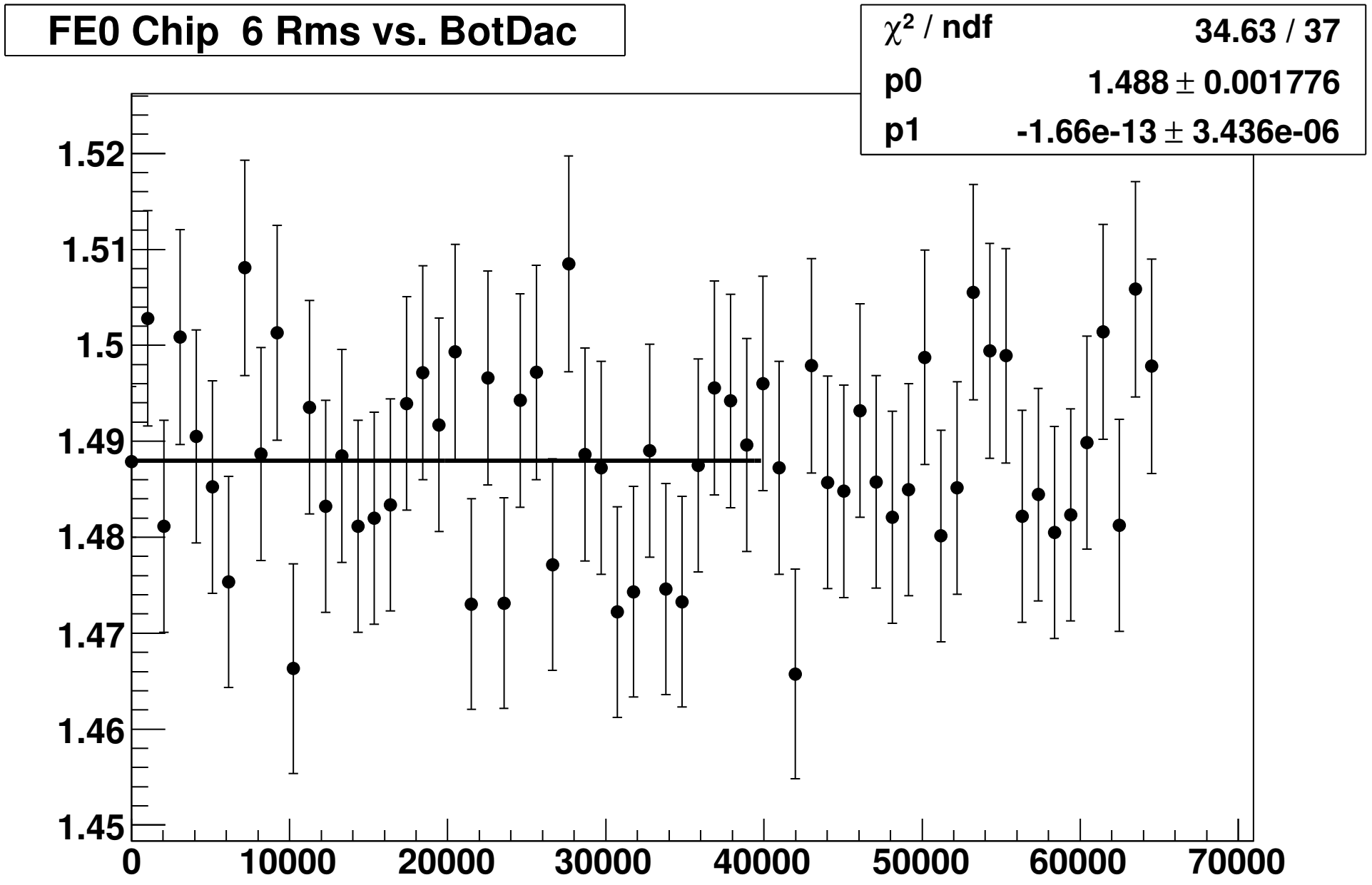
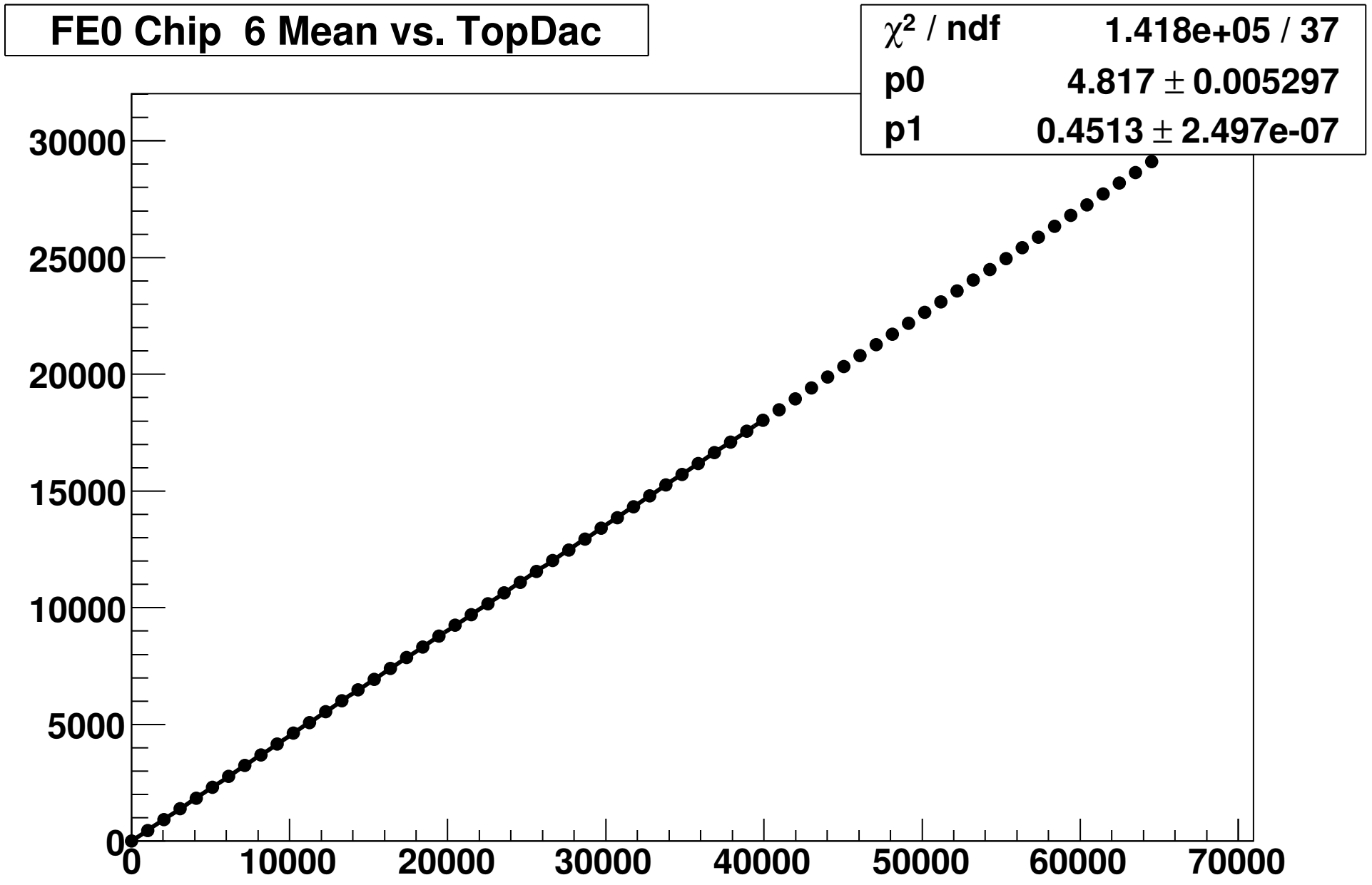

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 265.9 / 37
p0 2.316 ± 0.005128
p1 -1.322e-06 ± 2.181e-07
2.55
2.5
2.45
2.4
2.35
2.3
2.25
2.2
2.15
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 34.63 / 37
p0 1.488 ± 0.001776
p1 -1.66e-13 ± 3.436e-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


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.418e+05 / 37
p0 4.817 ± 0.005297
p1 0.4513 ± 2.497e-07
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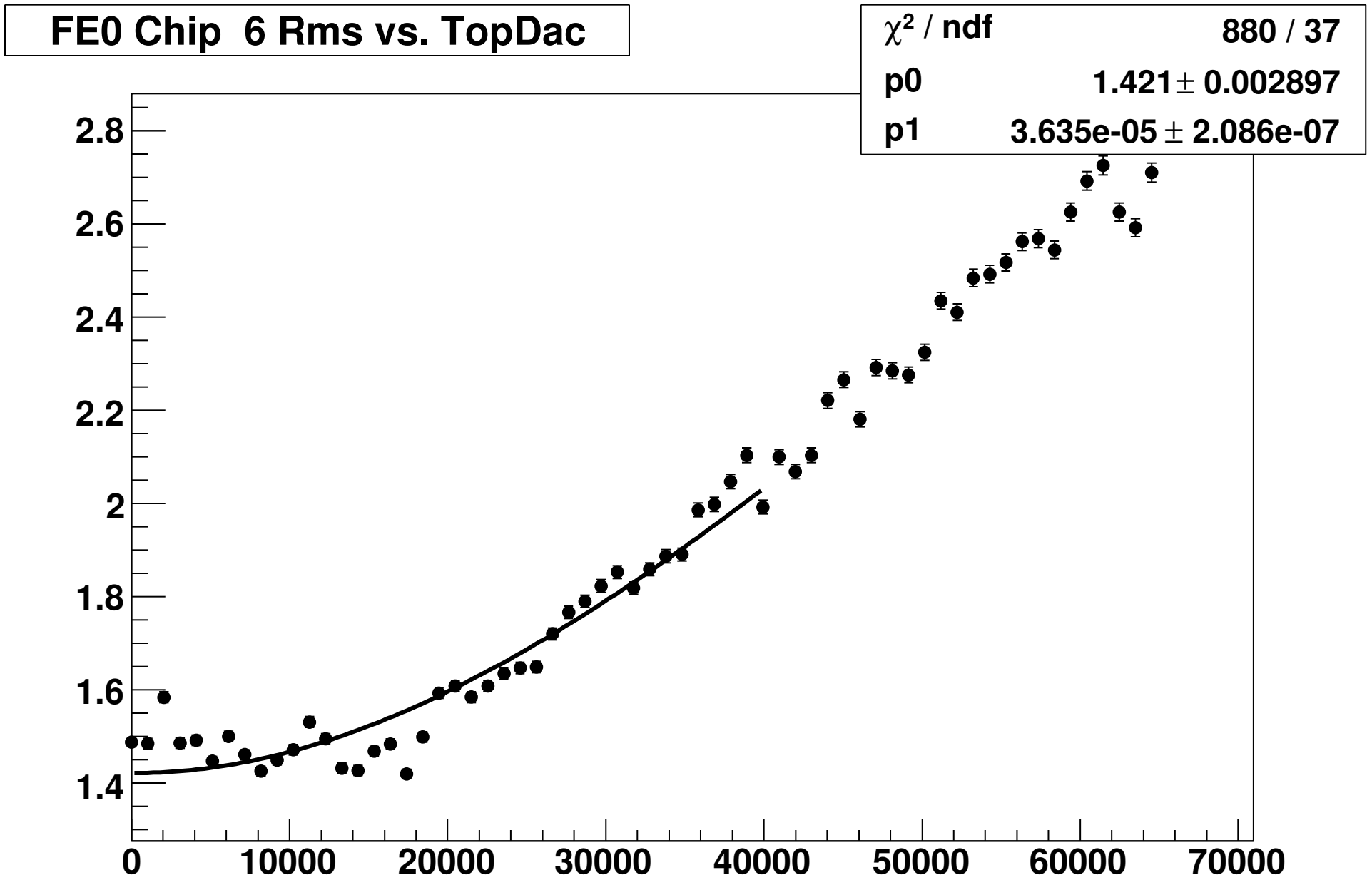
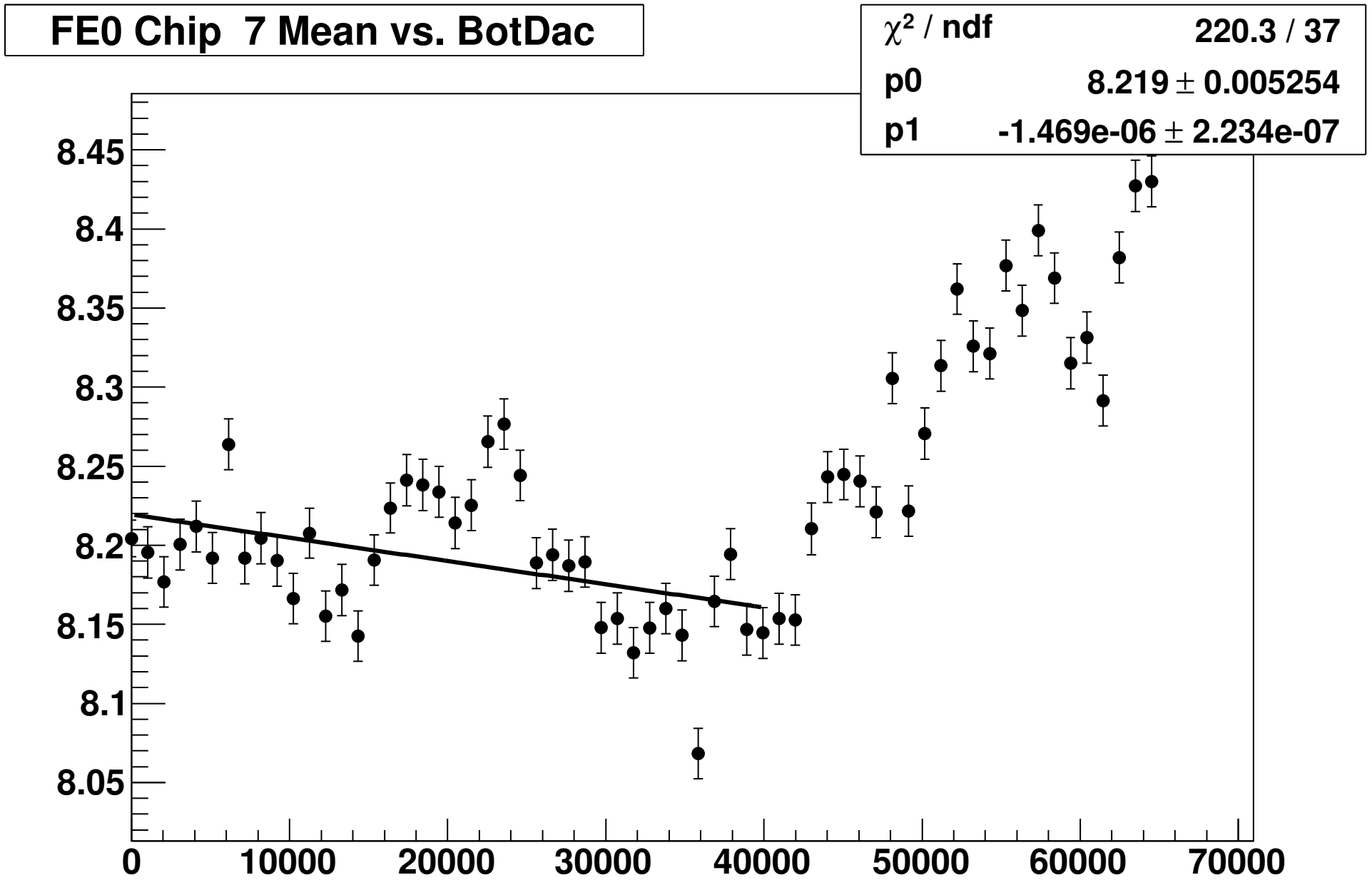
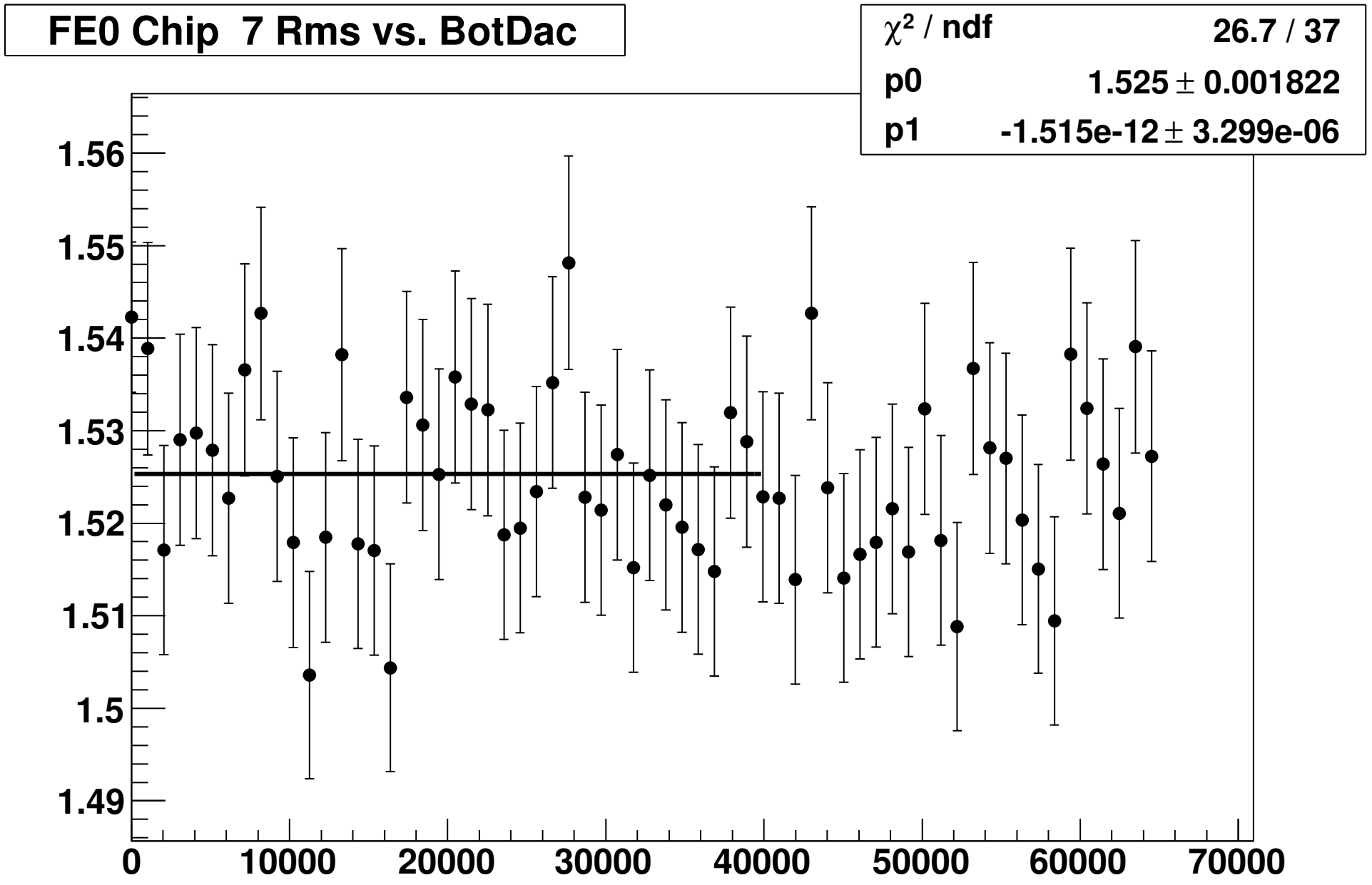
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 880 / 37
p0 1.421 ± 0.002897
p1 3.635e-05 ± 2.086e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 220.3 / 37
p0 8.219 ± 0.005254
p1 -1.469e-06 ± 2.234e-07
8.45
8.4
8.35
8.3
8.25
8.2
8.15
8.1
8.05
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 26.7 / 37
p0 1.525 ± 0.001822
p1 -1.515e-12 ± 3.299e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
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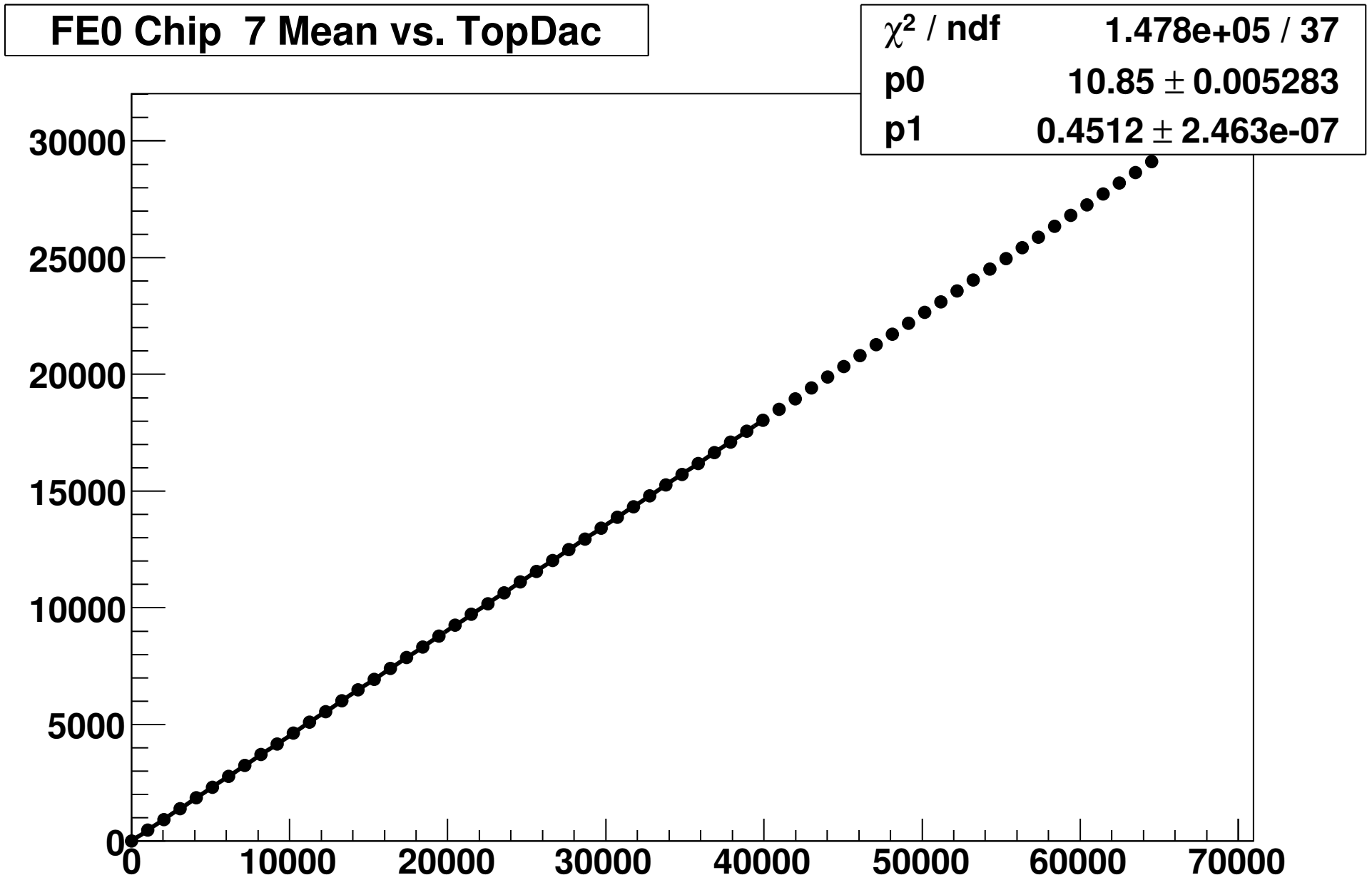
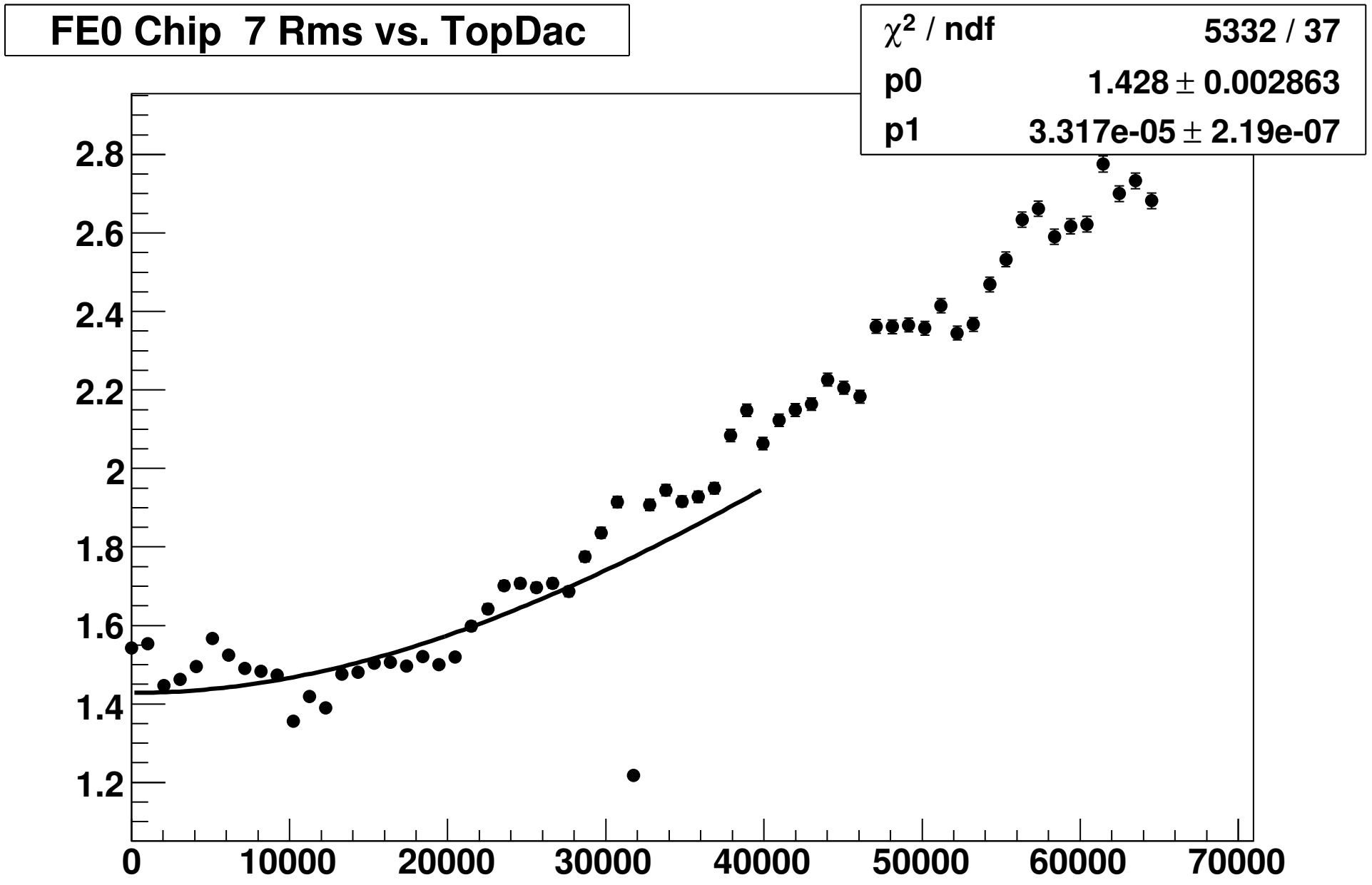
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.478e+05 / 37
p0 10.85 ± 0.005283
p1 0.4512 ± 2.463e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 5332 / 37
p0 1.428 ± 0.002863
p1 3.317e-05 ± 2.19e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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50000
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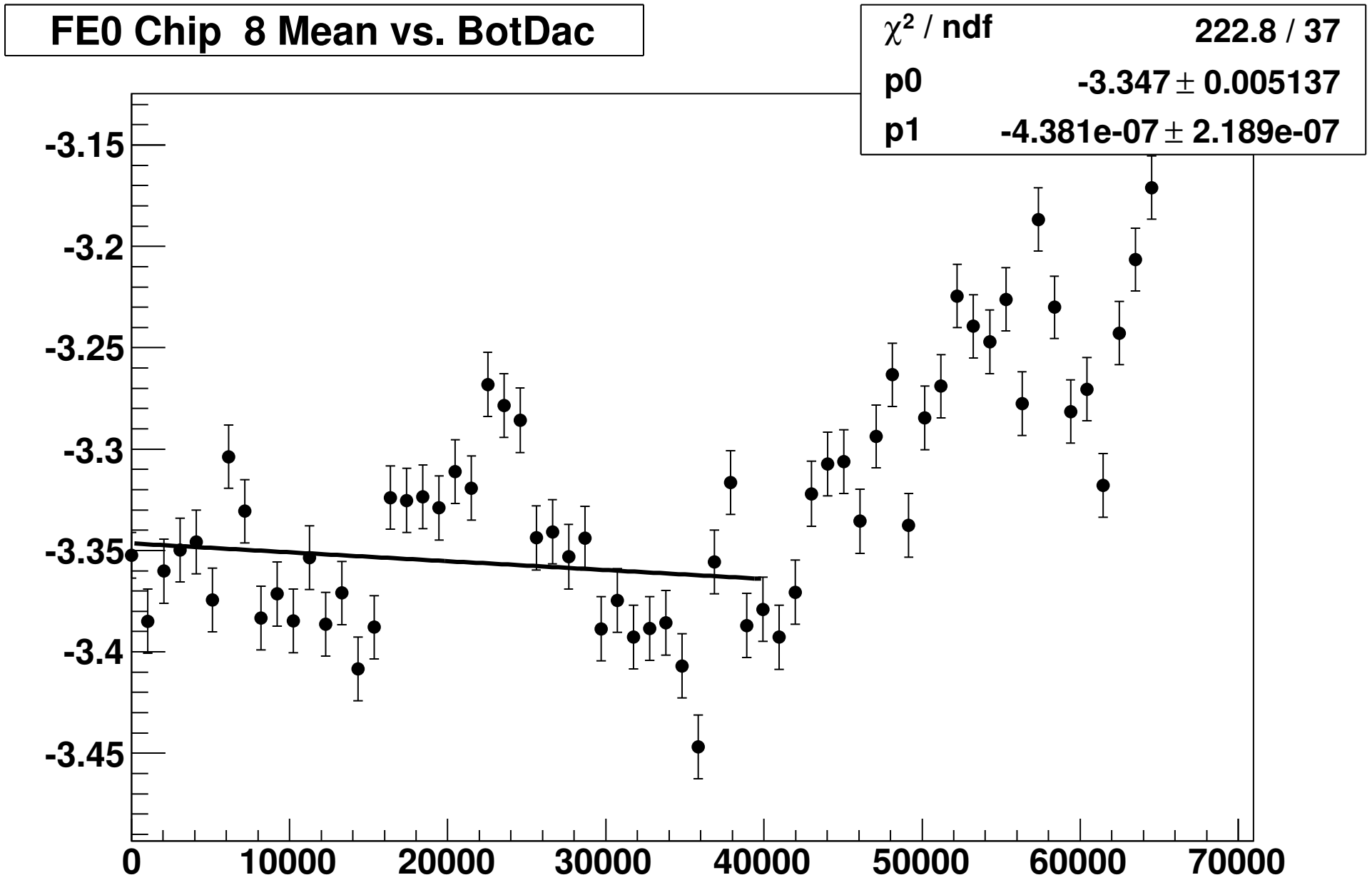
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 222.8 / 37
p0 -3.347 ± 0.005137
p1 -4.381e-07 ± 2.189e-07
-3.15
-3.2
-3.25
-3.3
-3.35
-3.4
-3.45
0
10000
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30000
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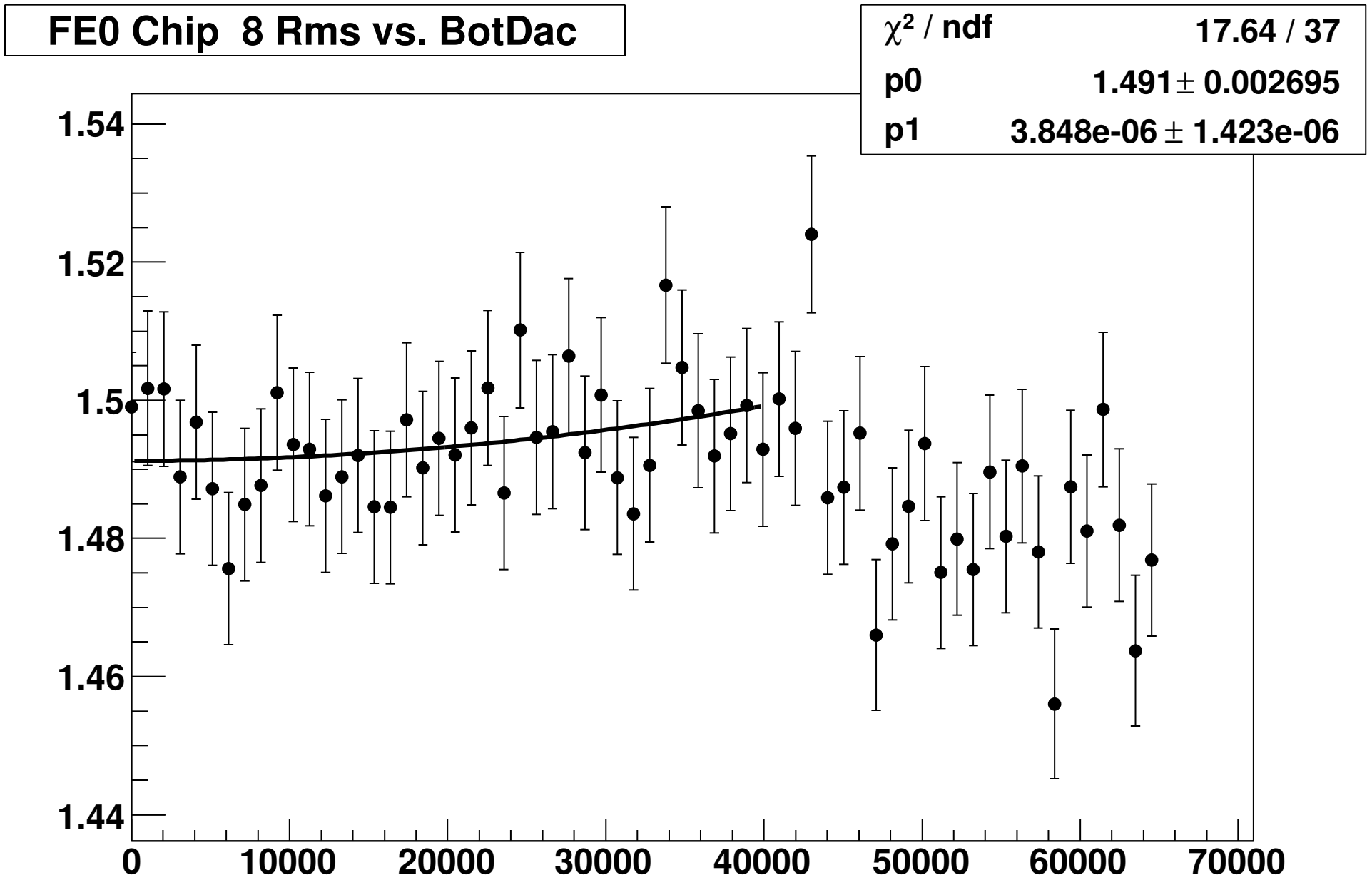
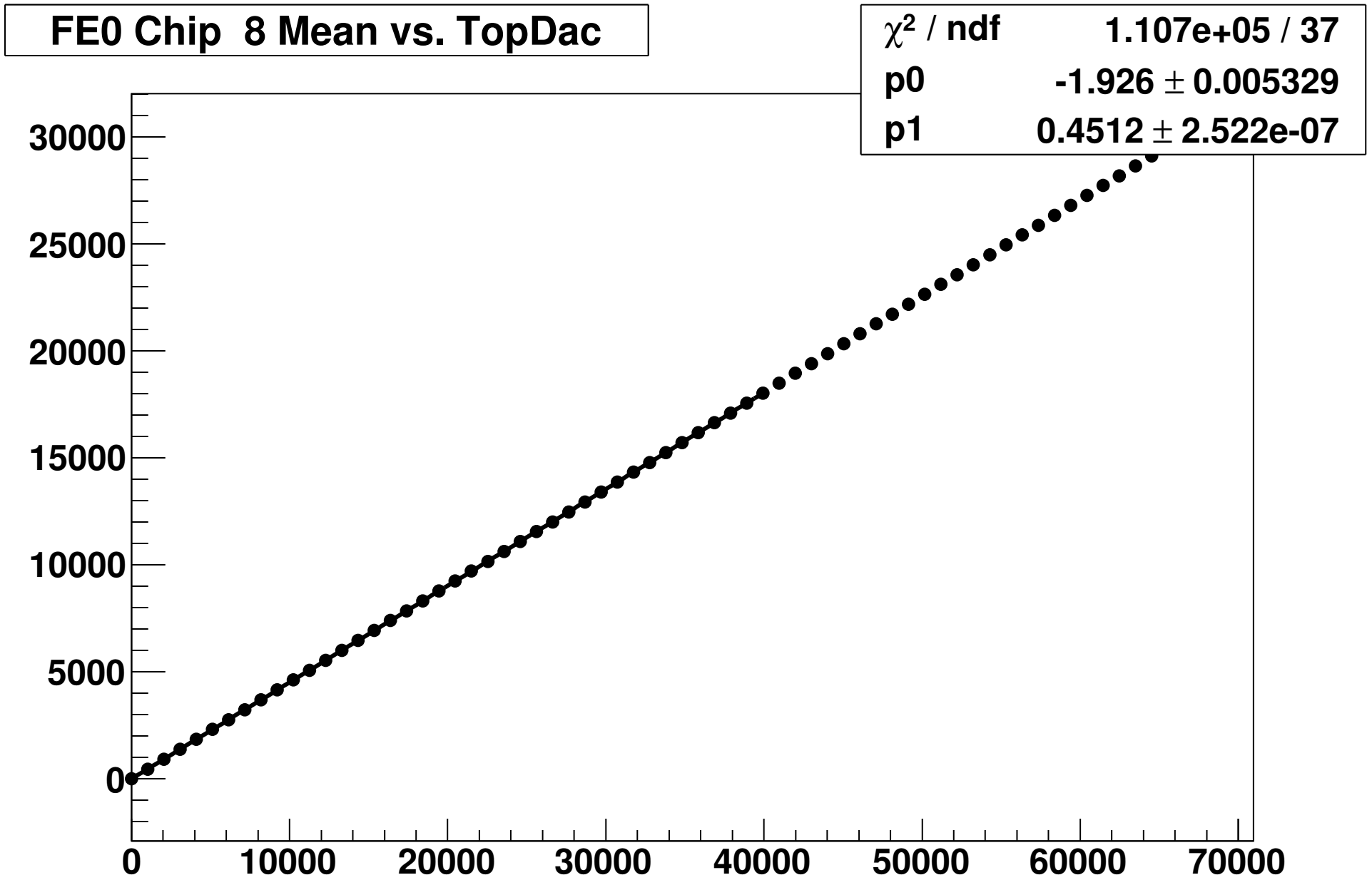
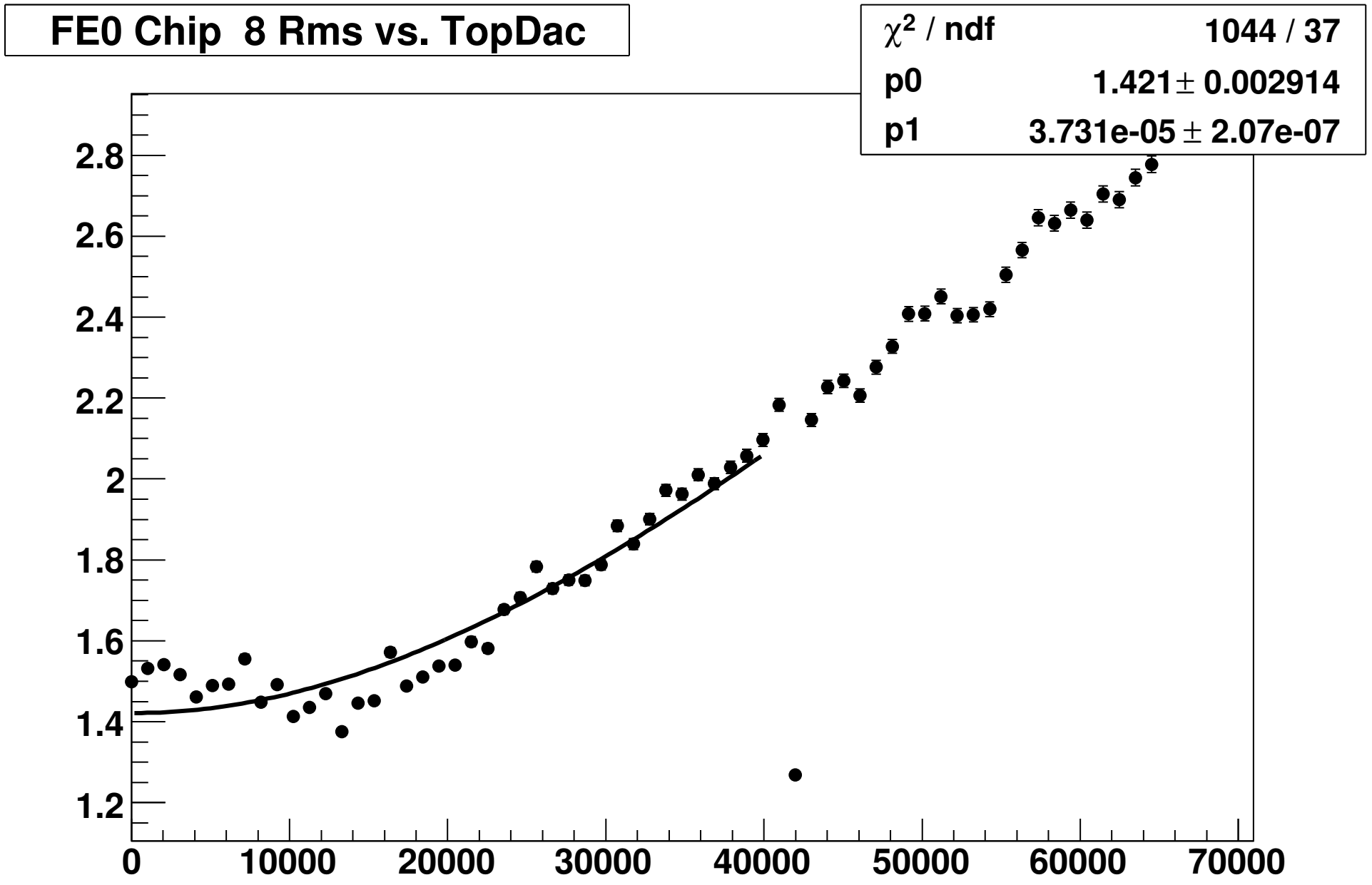
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 17.64 / 37
p0 1.491 ± 0.002695
p1 3.848e-06 ± 1.423e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.107e+05 / 37
p0 -1.926 ± 0.005329
p1 0.4512 ± 2.522e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 1044 / 37
p0 1.421 ± 0.002914
p1 3.731e-05 ± 2.07e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
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50000
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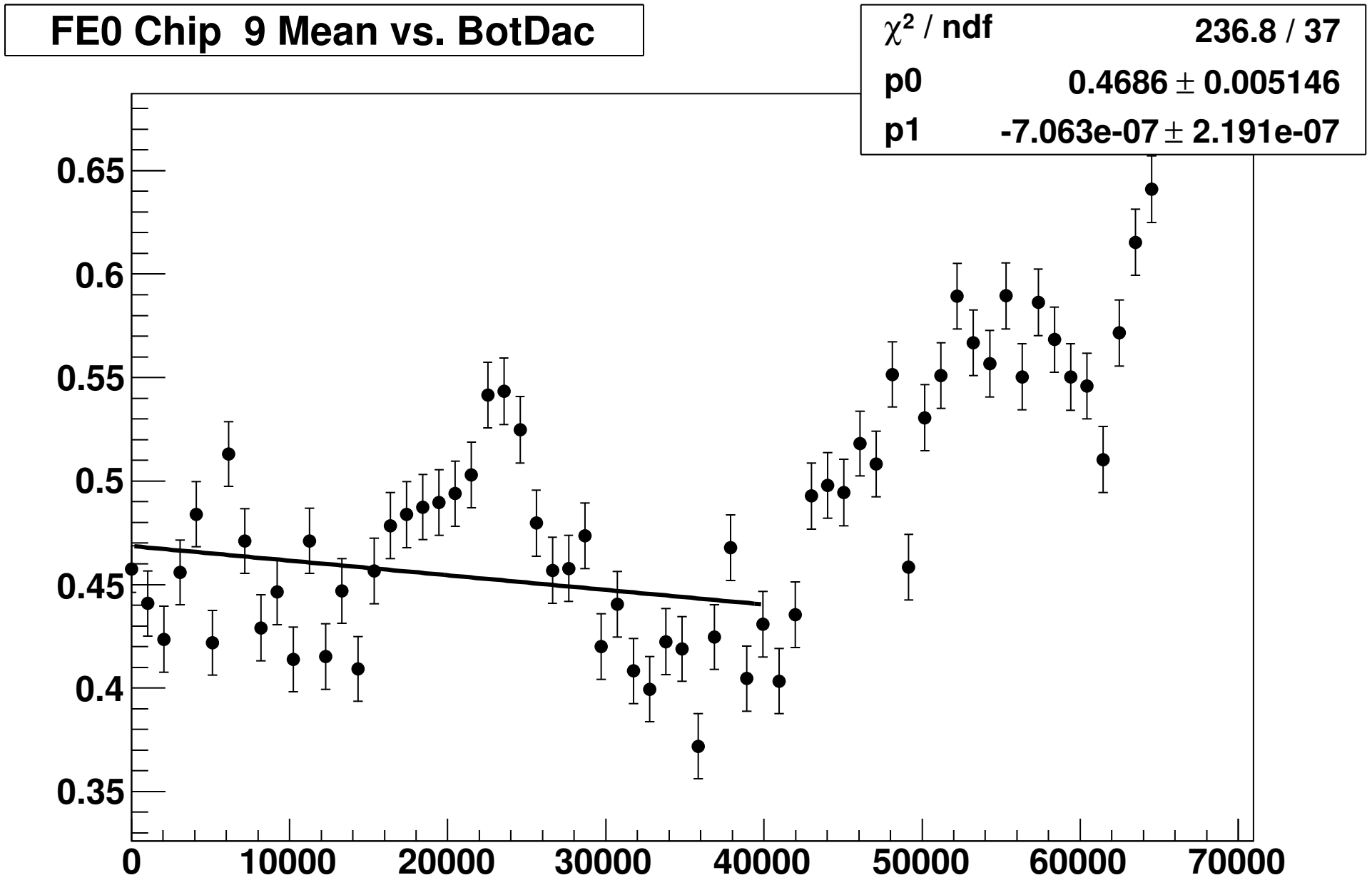
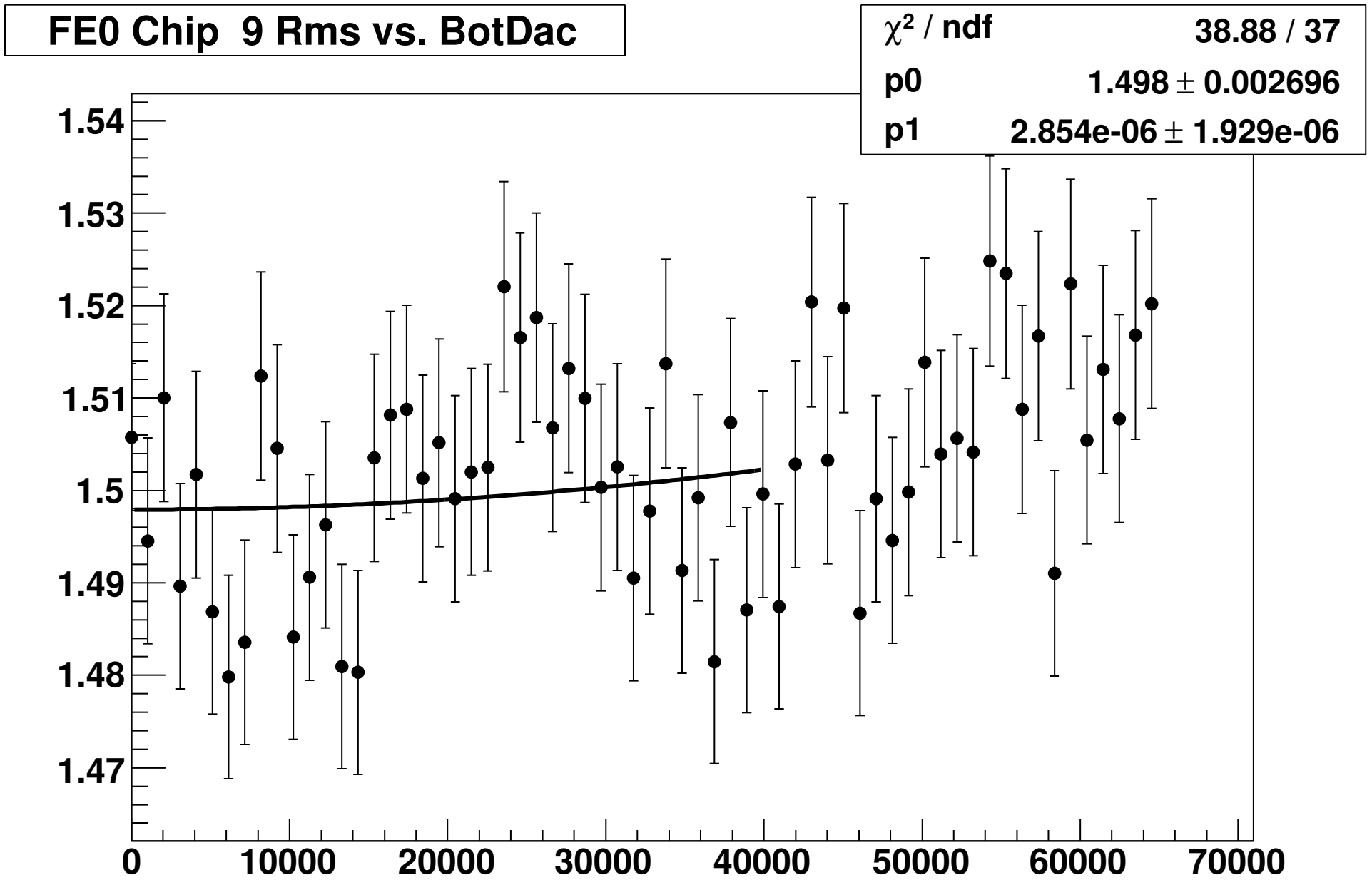
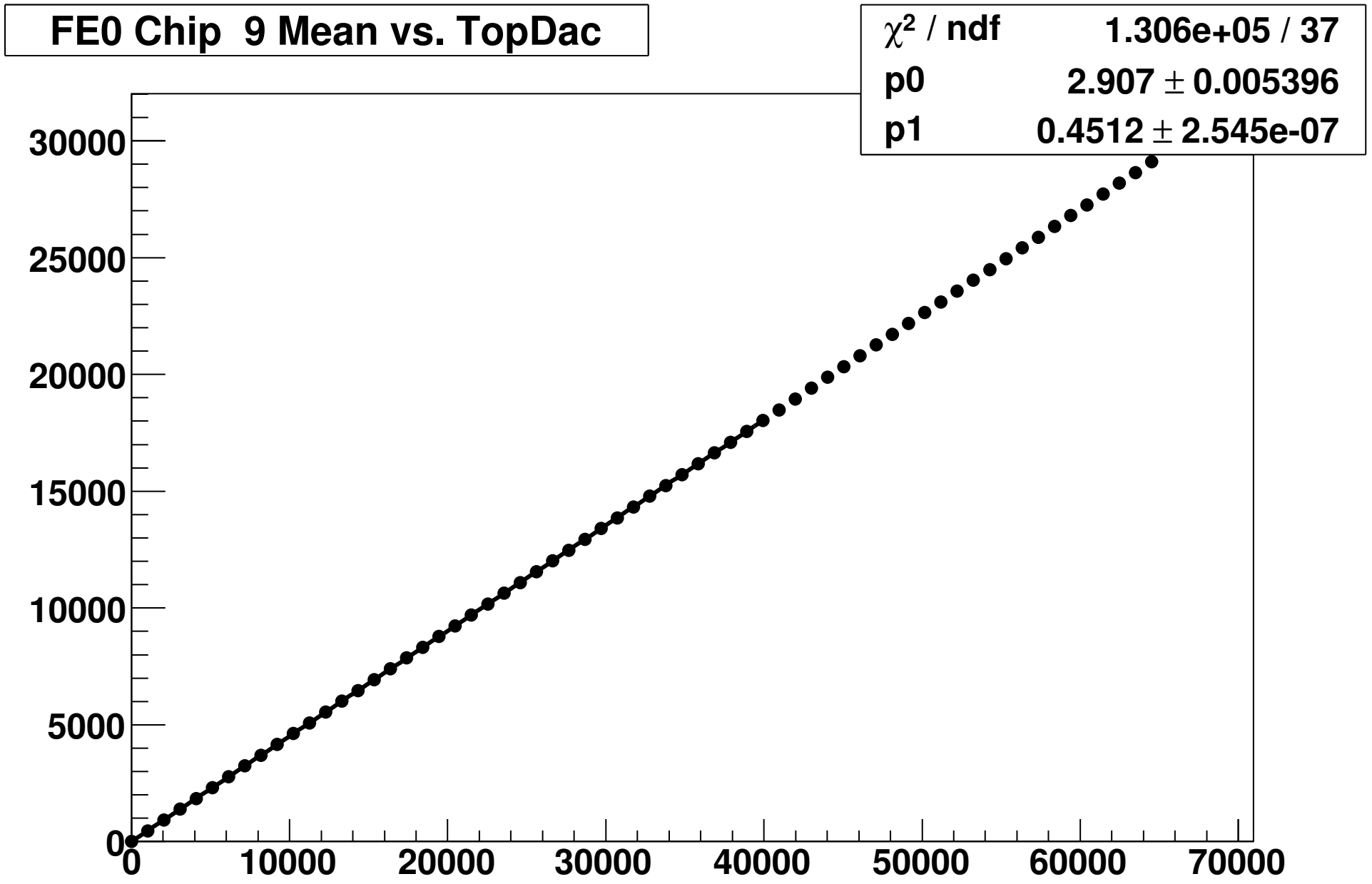

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 236.8 / 37
p0 0.4686 ± 0.005146
p1 -7.063e-07 ± 2.191e-07
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 38.88 / 37
p0 1.498 ± 0.002696
p1 2.854e-06 ± 1.929e-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


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.306e+05 / 37
p0 2.907 ± 0.005396
p1 0.4512 ± 2.545e-07
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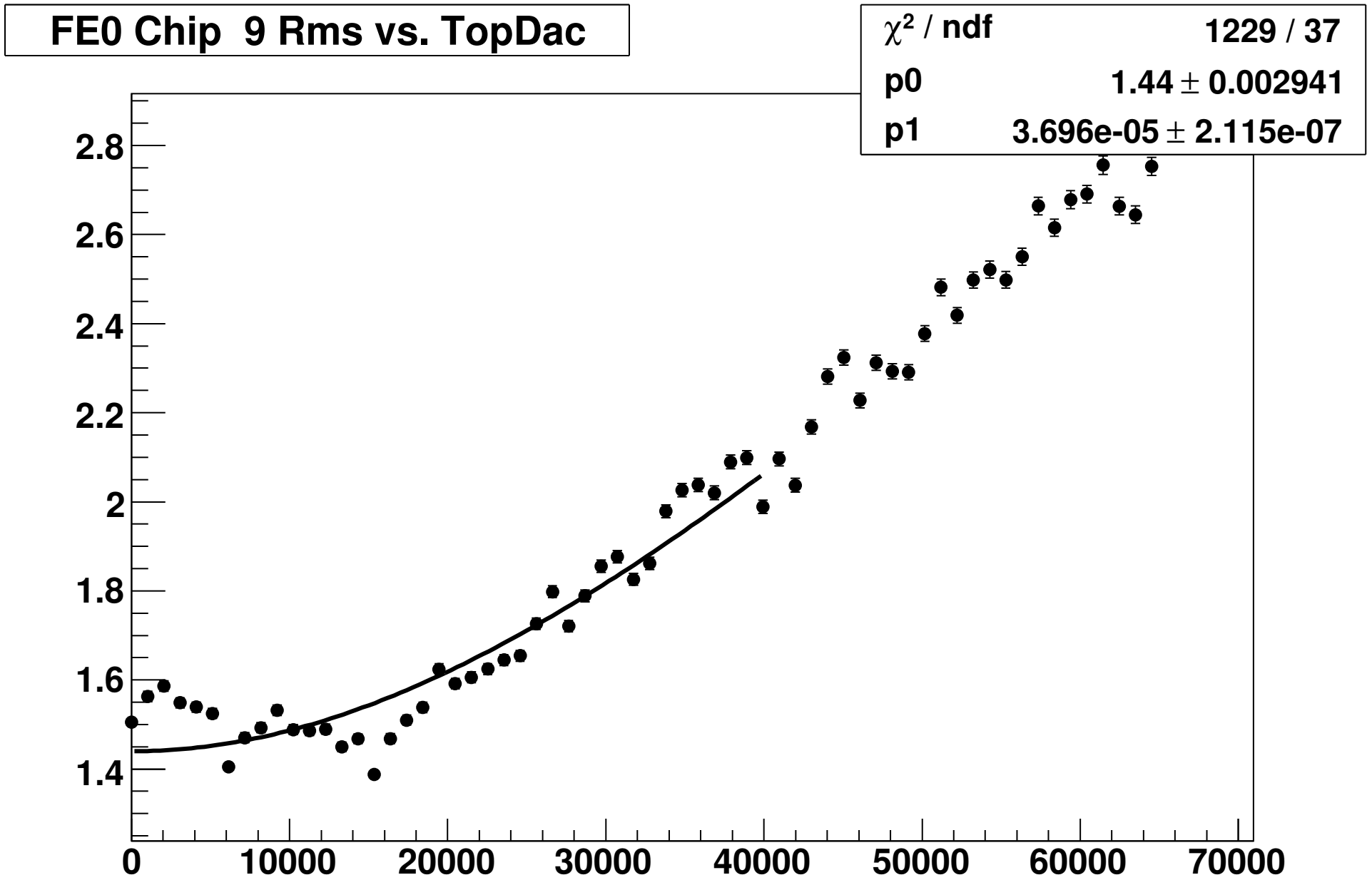
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1229 / 37
p0 1.44 ± 0.002941
p1 3.696e-05 ± 2.115e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
60000
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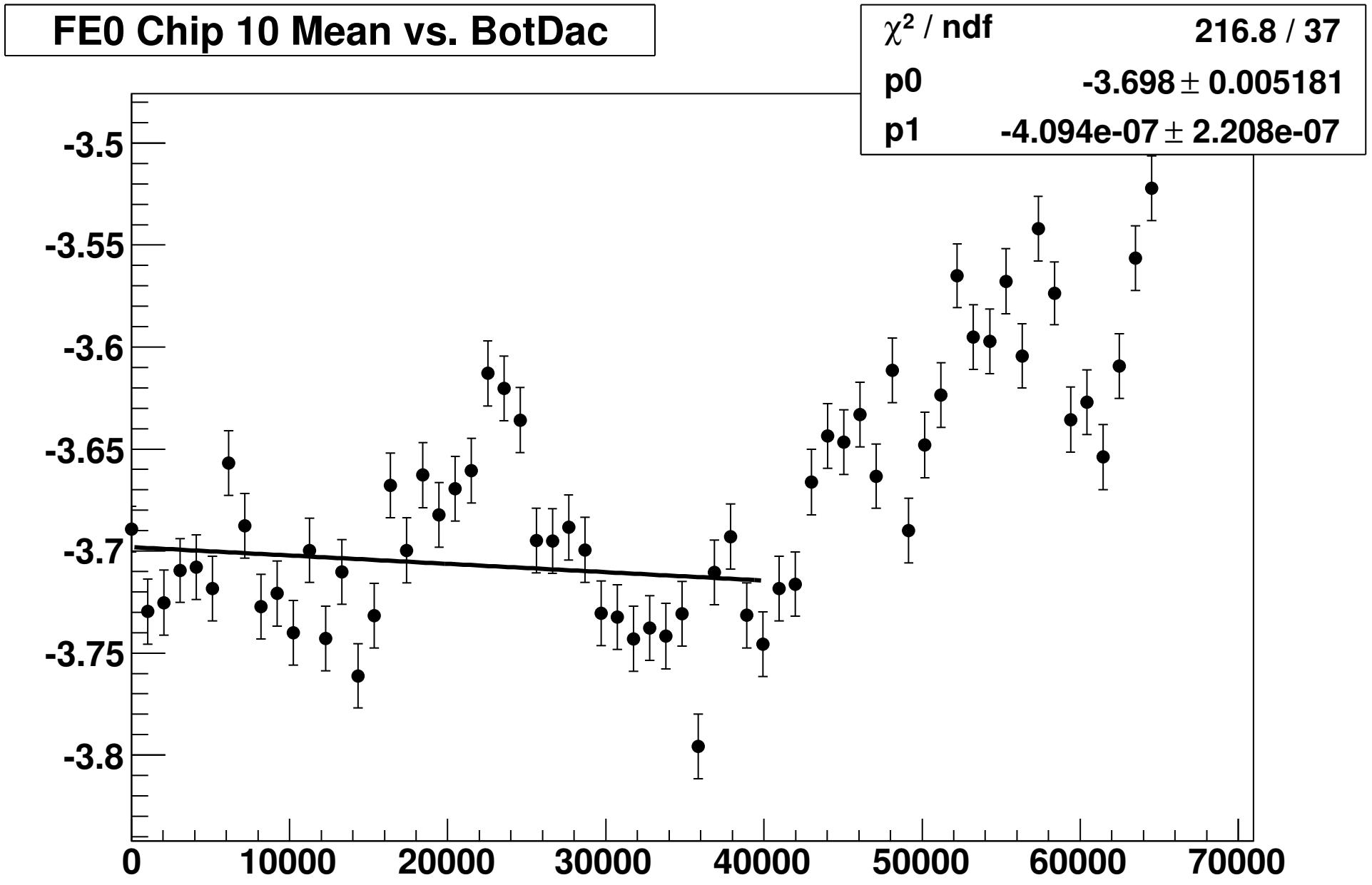
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 216.8 / 37
p0 -3.698 ± 0.005181
p1 -4.094e-07 ± 2.208e-07
-3.5
-3.55
-3.6
-3.65
-3.7
-3.75
-3.8
0
10000
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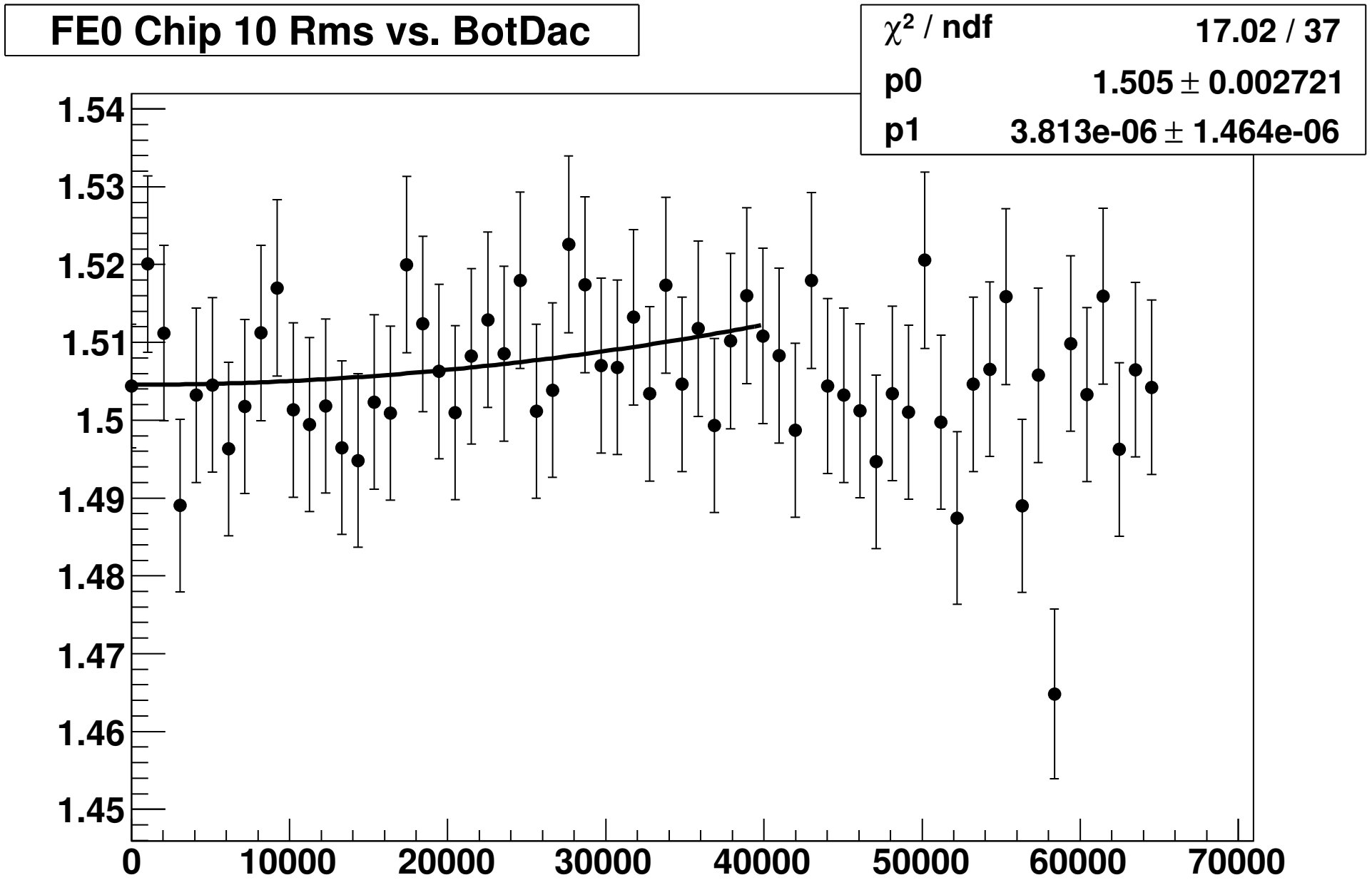
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 17.02 / 37
p0 1.505 ± 0.002721
p1 3.813e-06 ± 1.464e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
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50000
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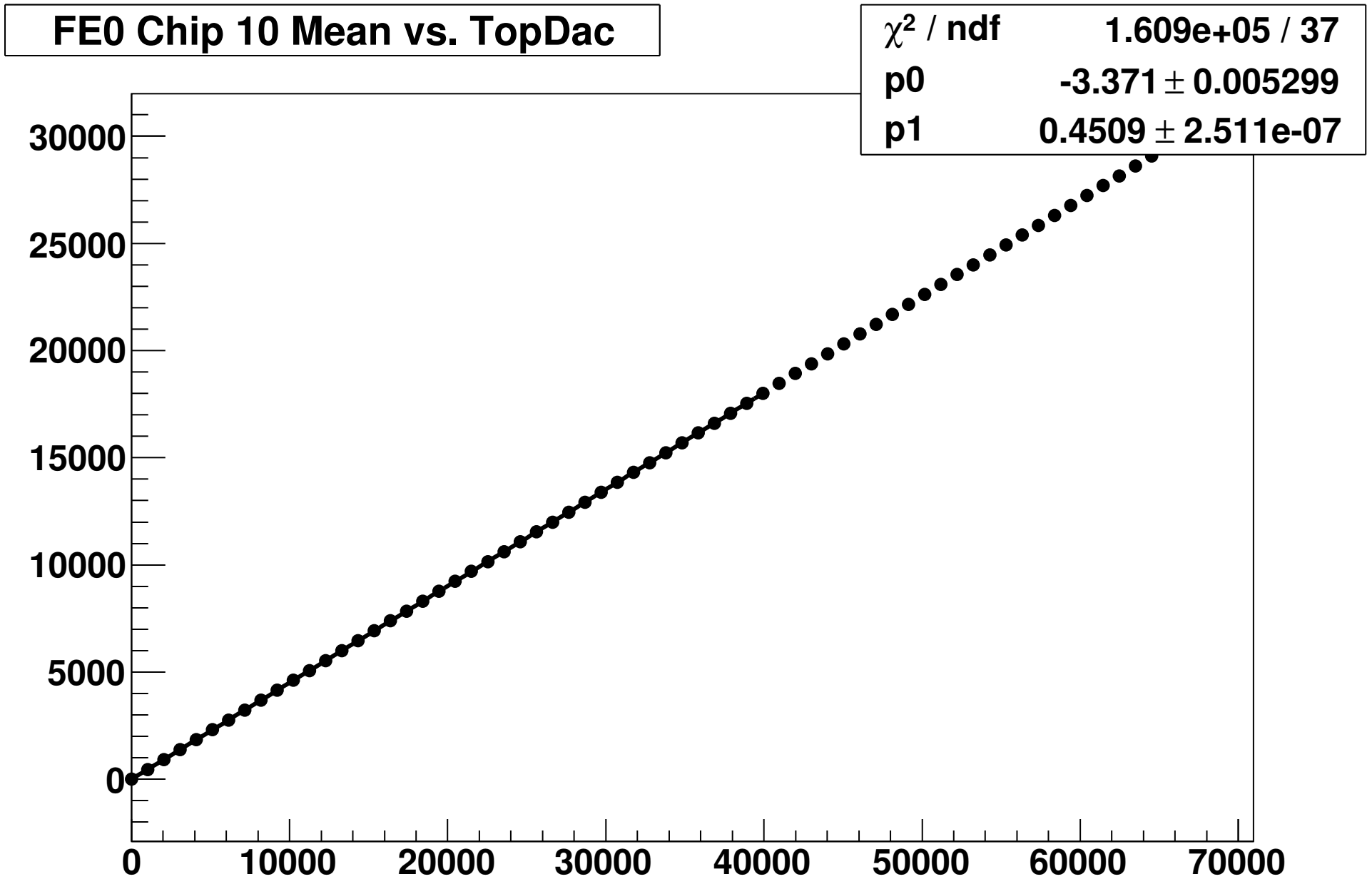
FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.609e+05 / 37
p0 -3.371 ± 0.005299
p1 0.4509 ± 2.511e-07
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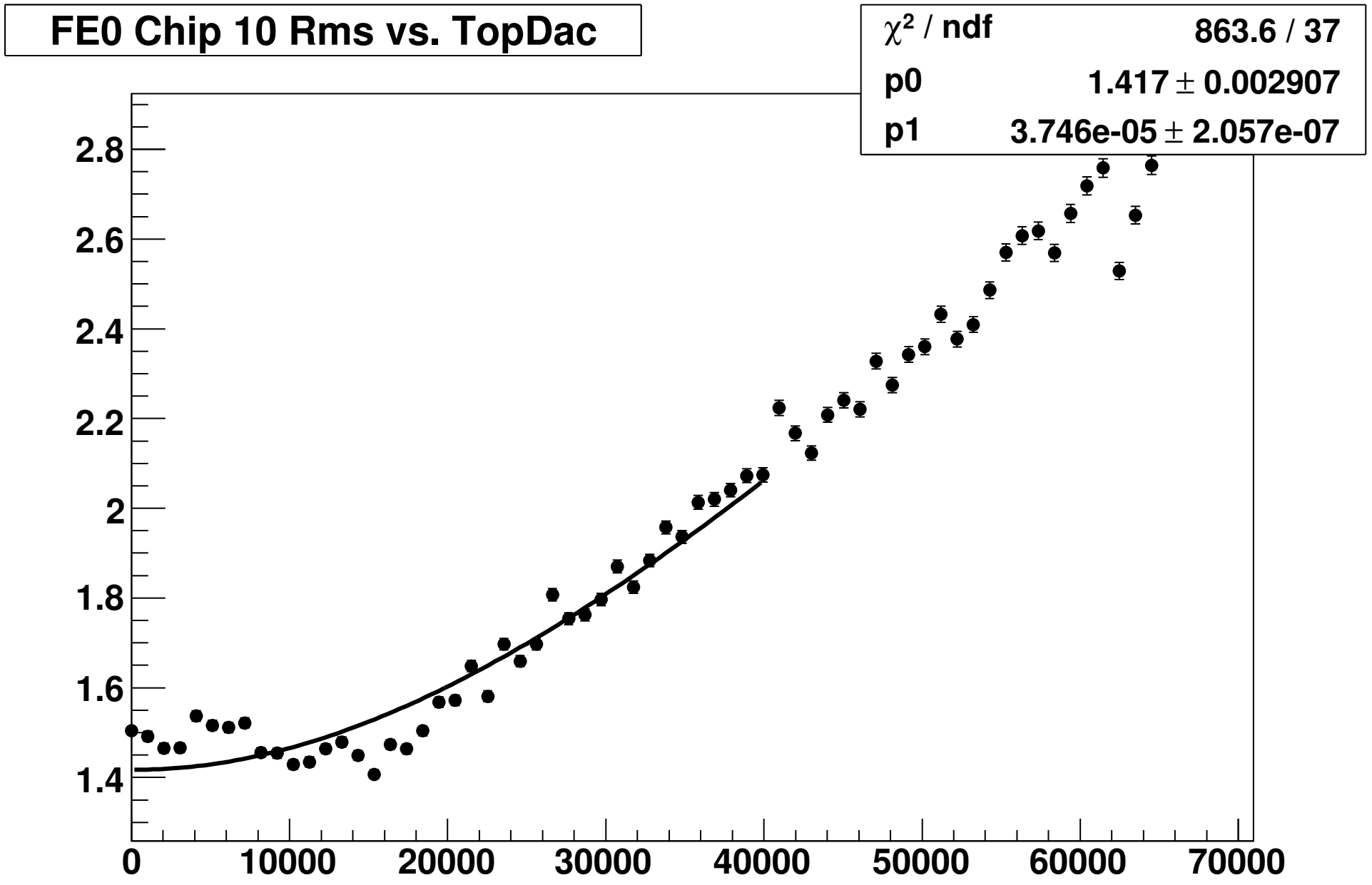
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 863.6 / 37
p0 1.417 ± 0.002907
p1 3.746e-05 ± 2.057e-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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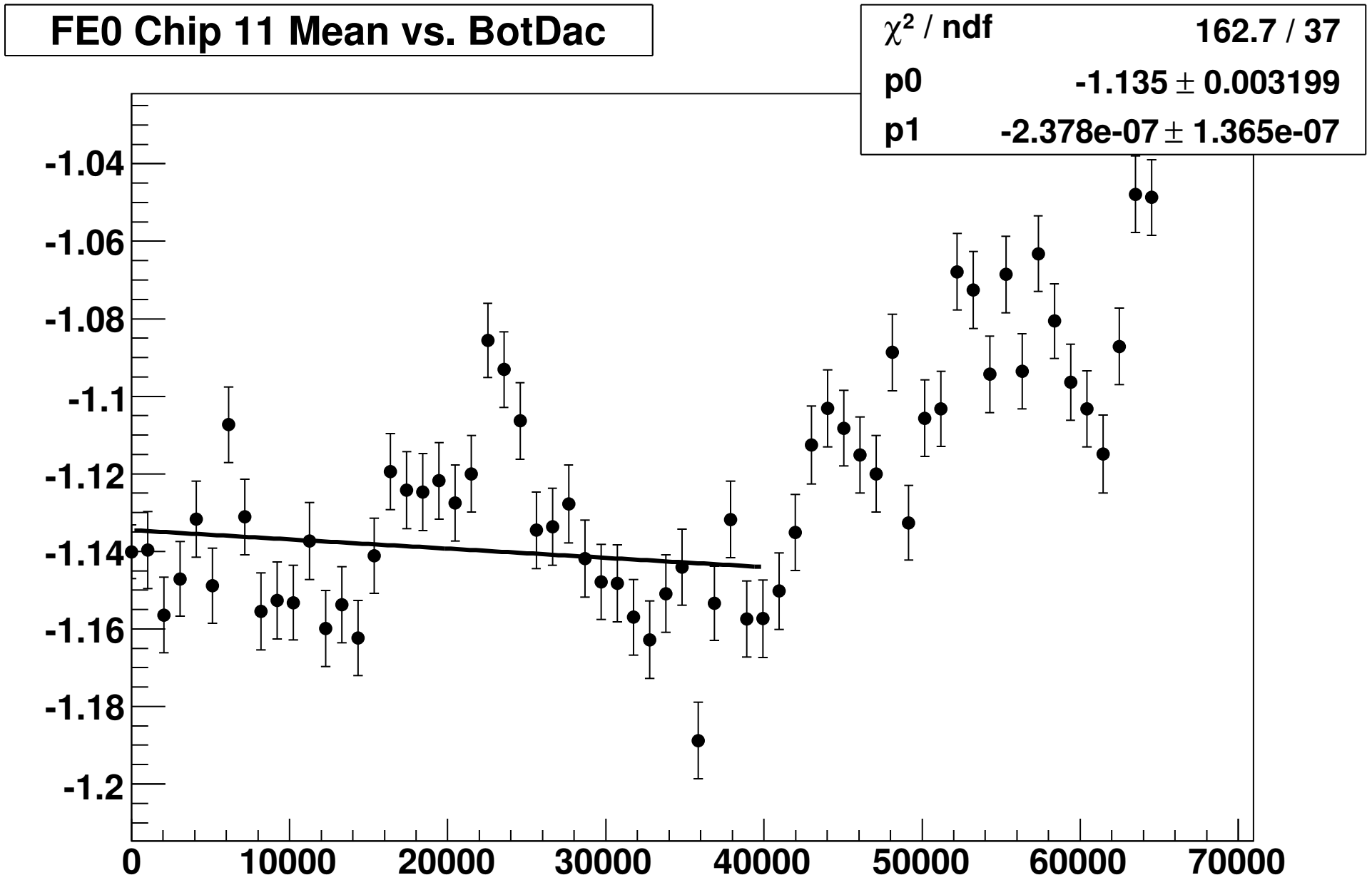
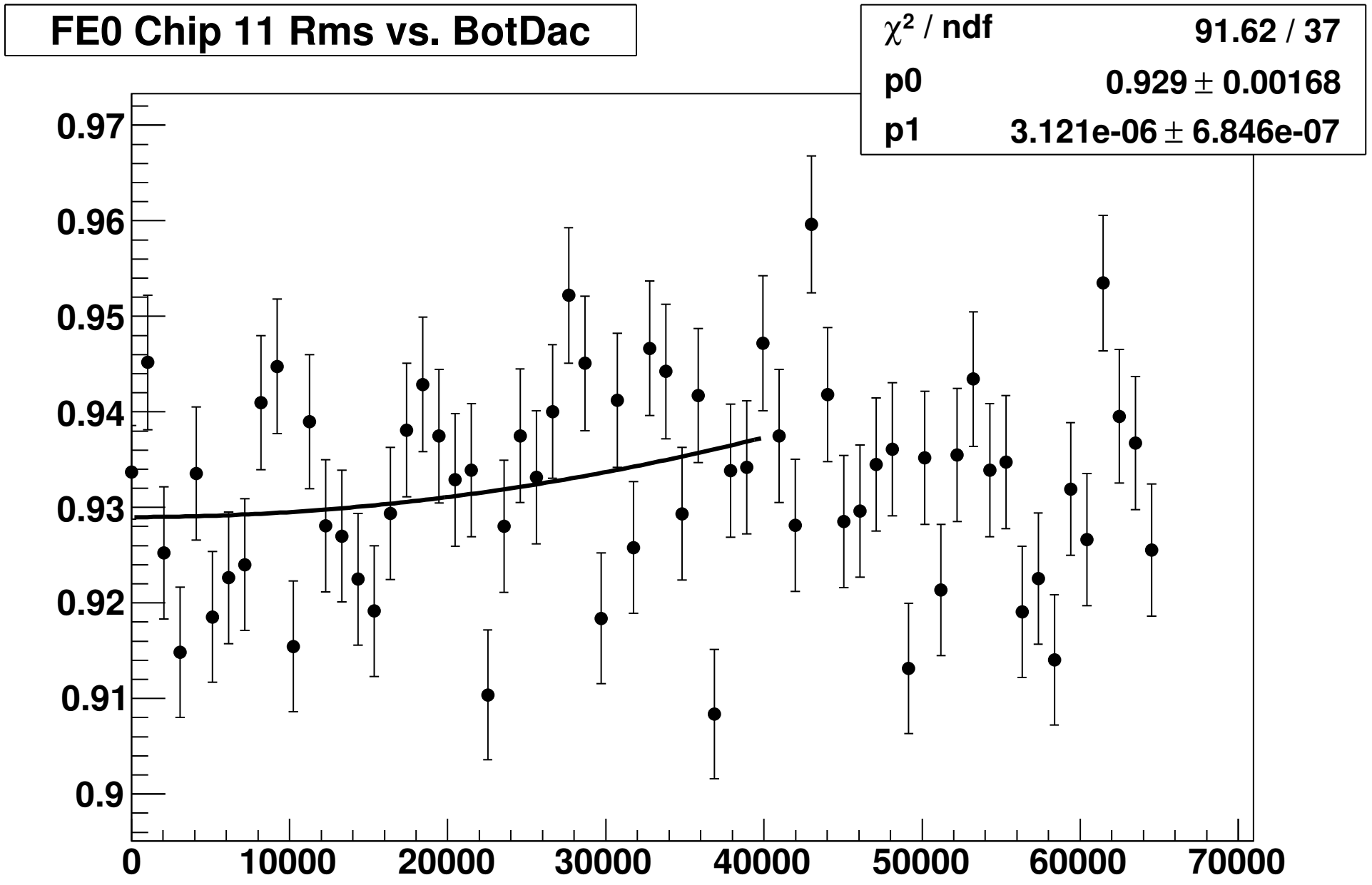
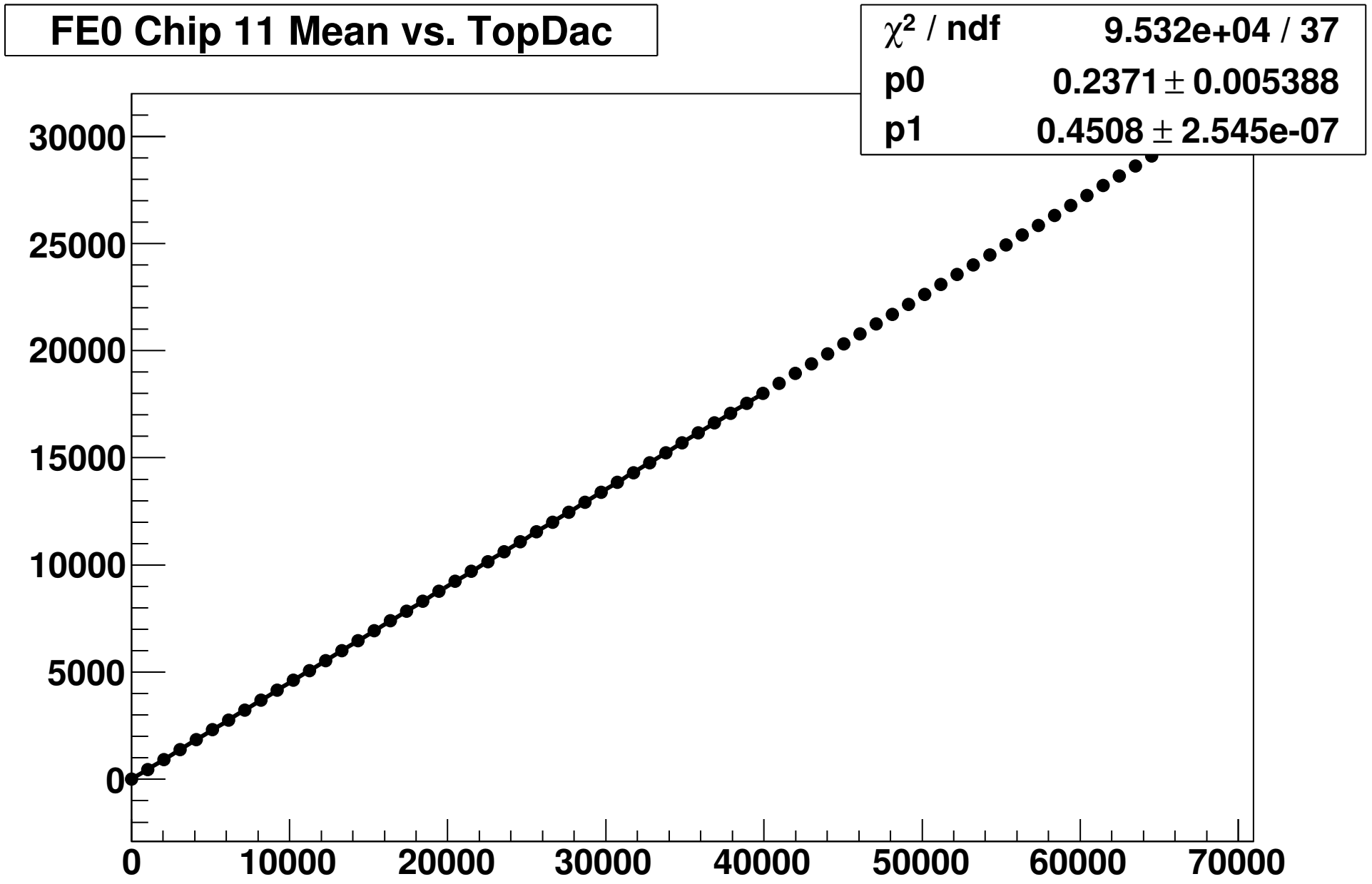
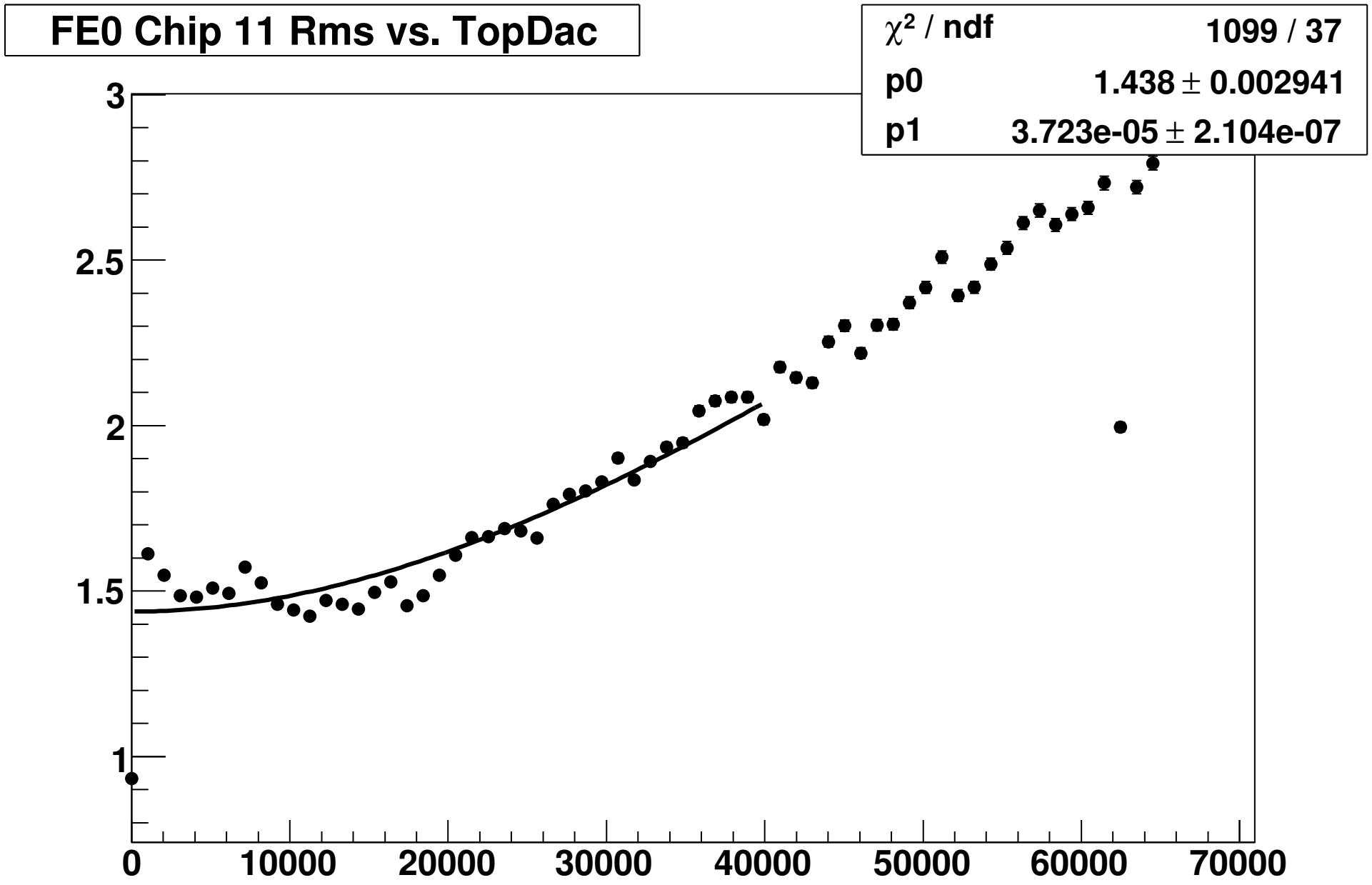
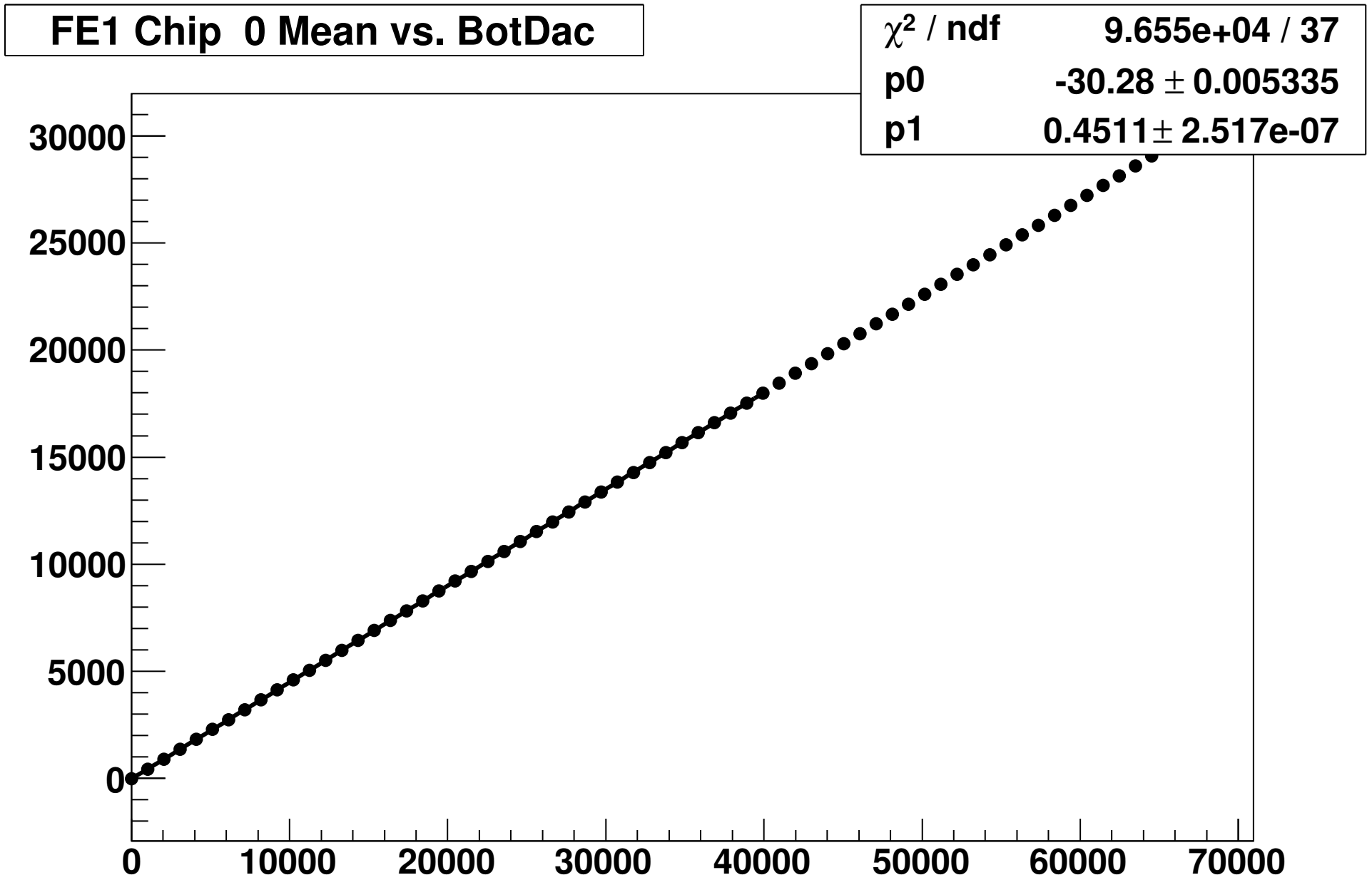
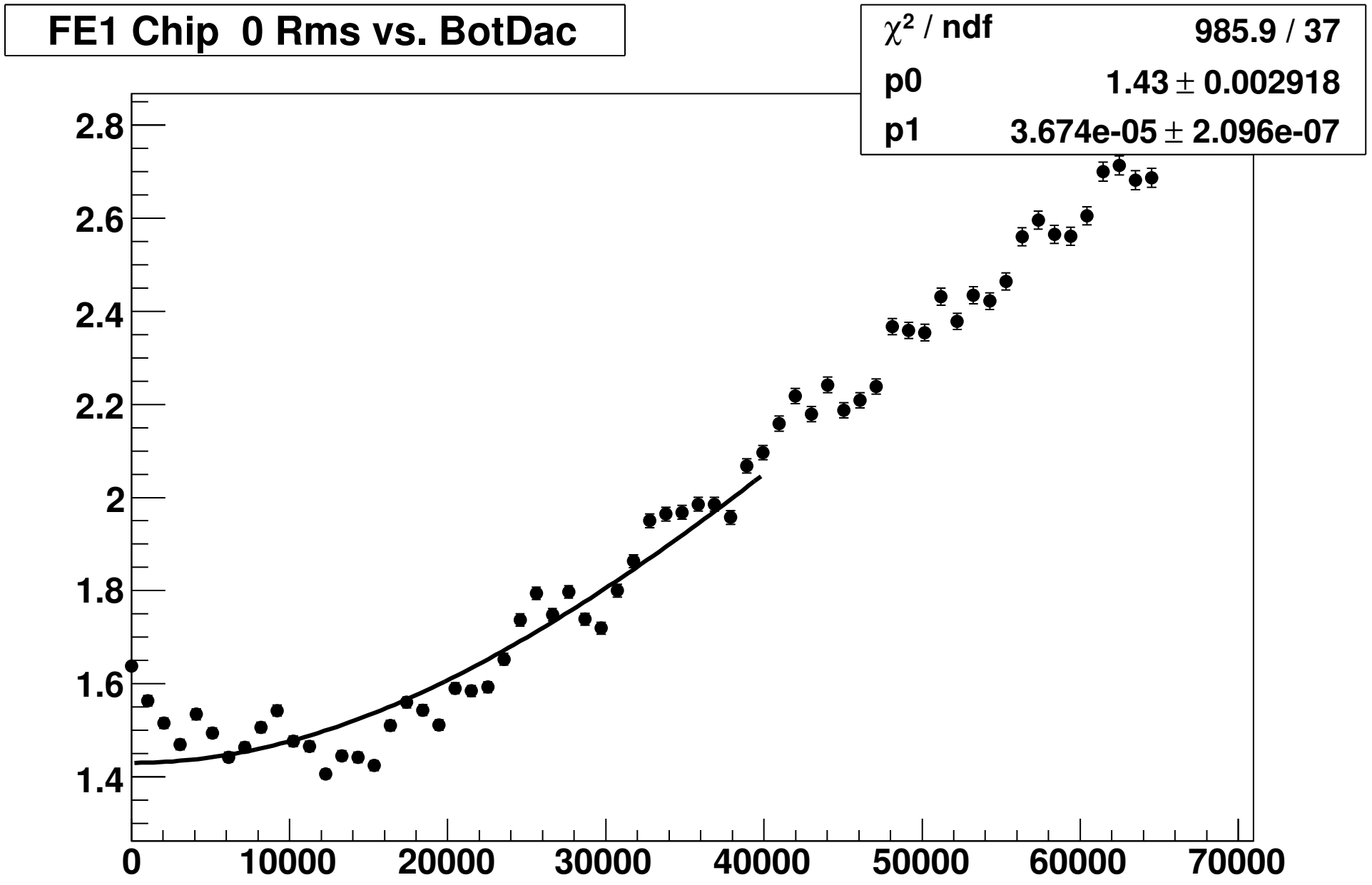

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 162.7 / 37
p0 -1.135 ± 0.003199
p1 -2.378e-07 ± 1.365e-07
-1.04
-1.06
-1.08
-1.1
-1.12
-1.14
-1.16
-1.18
-1.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 91.62 / 37
p0 0.929 ± 0.00168
p1 3.121e-06 ± 6.846e-07
0.97
0.96
0.95
0.94
0.93
0.92
0.91
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 9.532e+04 / 37
p0 0.2371 ± 0.005388
p1 0.4508 ± 2.545e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 1099 / 37
p0 1.438 ± 0.002941
p1 3.723e-05 ± 2.104e-07
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 9.655e+04 / 37
p0 -30.28 ± 0.005335
p1 0.4511 ± 2.517e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 985.9 / 37
p0 1.43 ± 0.002918
p1 3.674e-05 ± 2.096e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
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50000
60000
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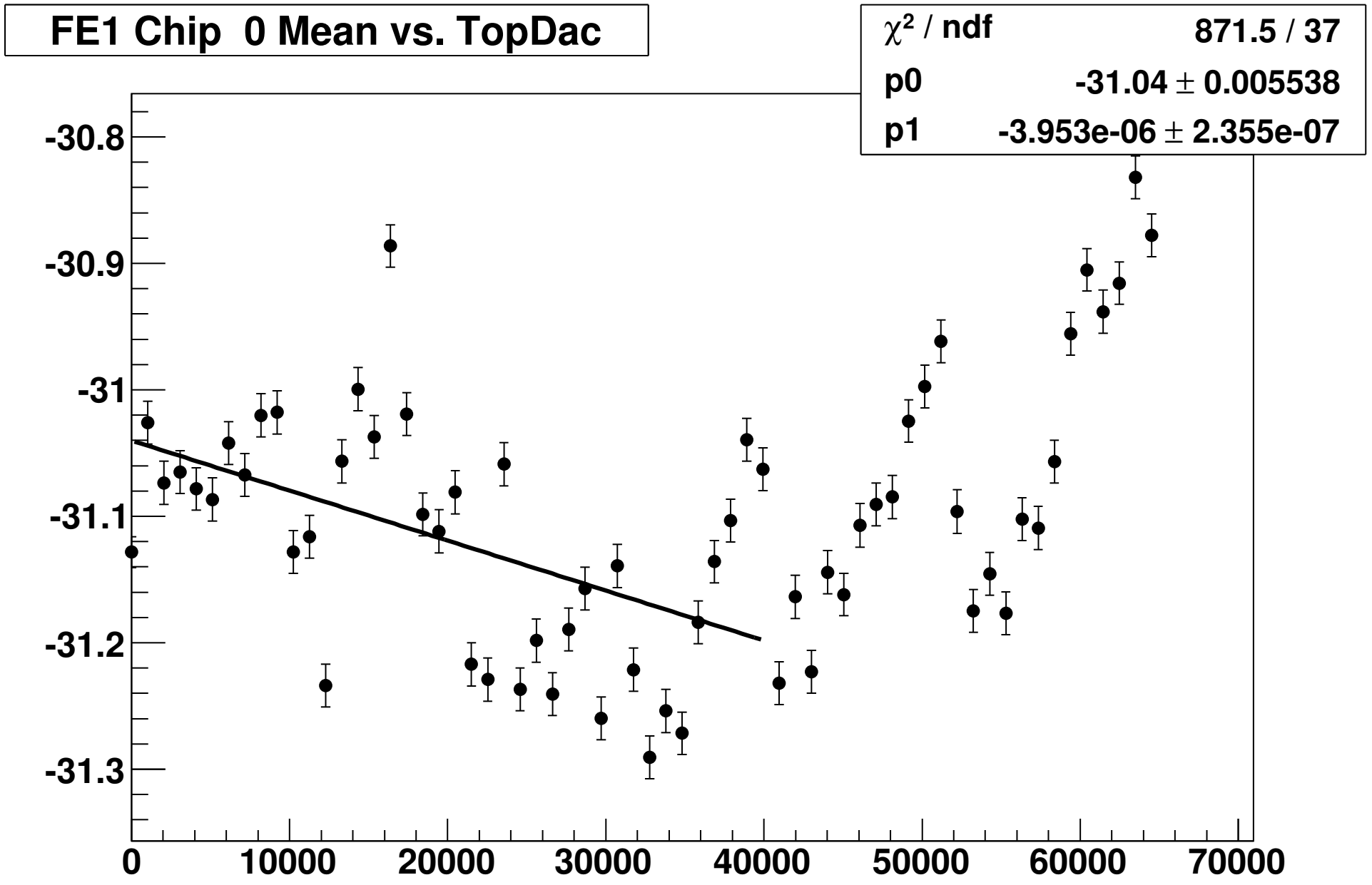
FE1 Chip 0 Mean vs. TopDac
χ² / ndf 871.5 / 37
p0 -31.04 ± 0.005538
p1 -3.953e-06 ± 2.355e-07
-30.8
-30.9
-31
-31.1
-31.2
-31.3
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60000
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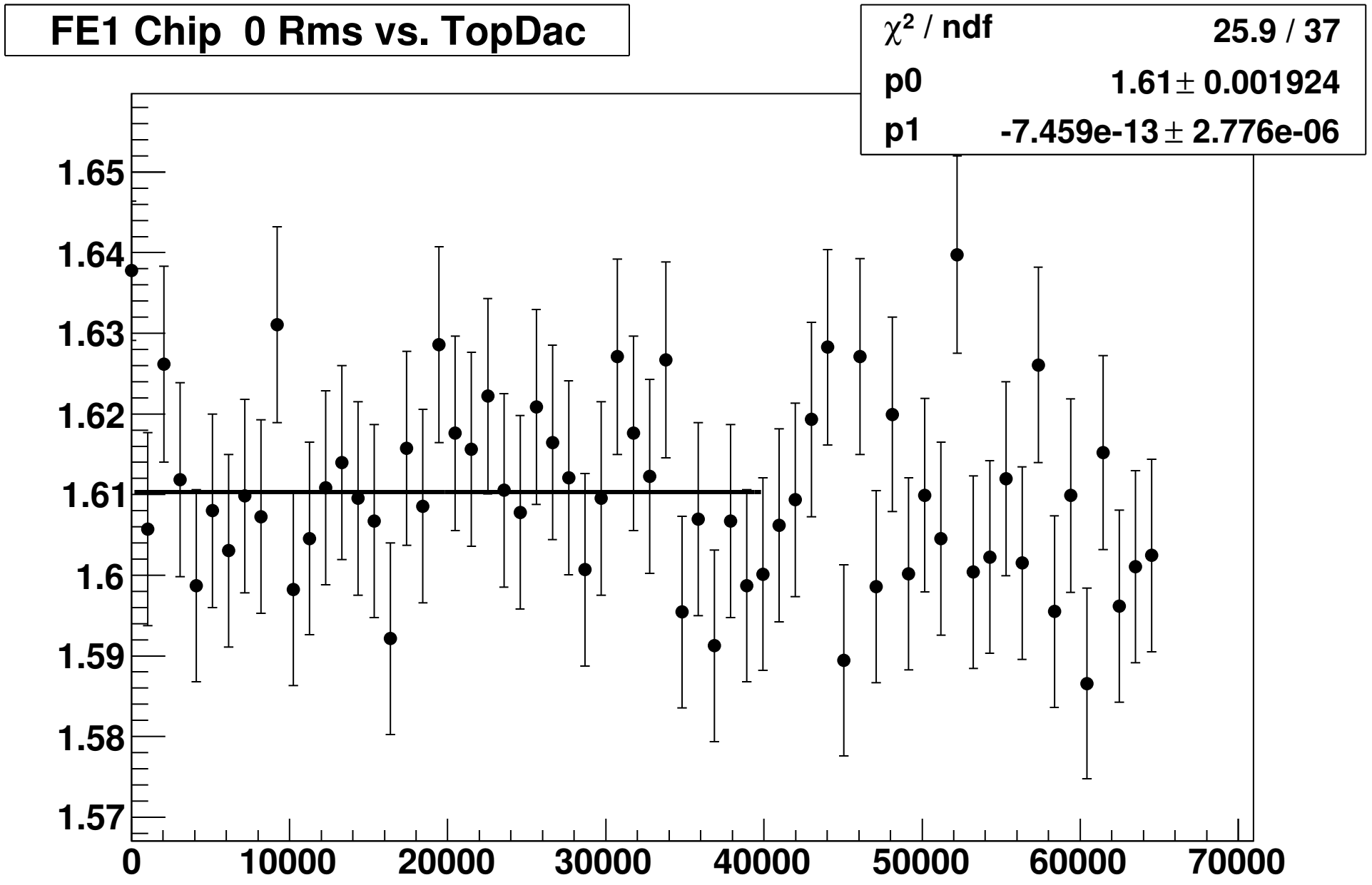
FE1 Chip 0 Rms vs. TopDac
χ² / ndf 25.9 / 37
p0 1.61 ± 0.001924
p1 -7.459e-13 ± 2.776e-06
1.65
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
0
10000
20000
30000
40000
50000
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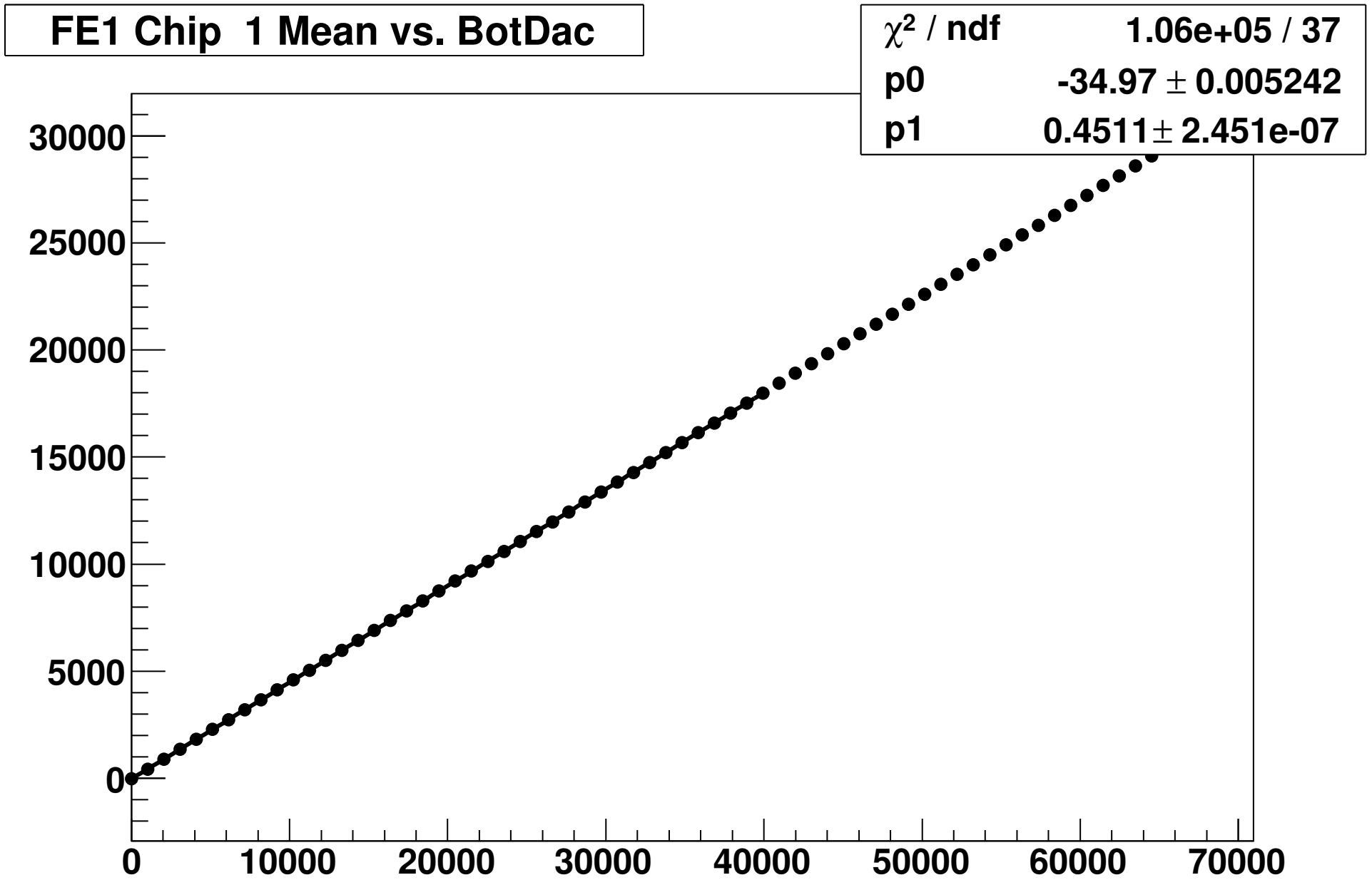
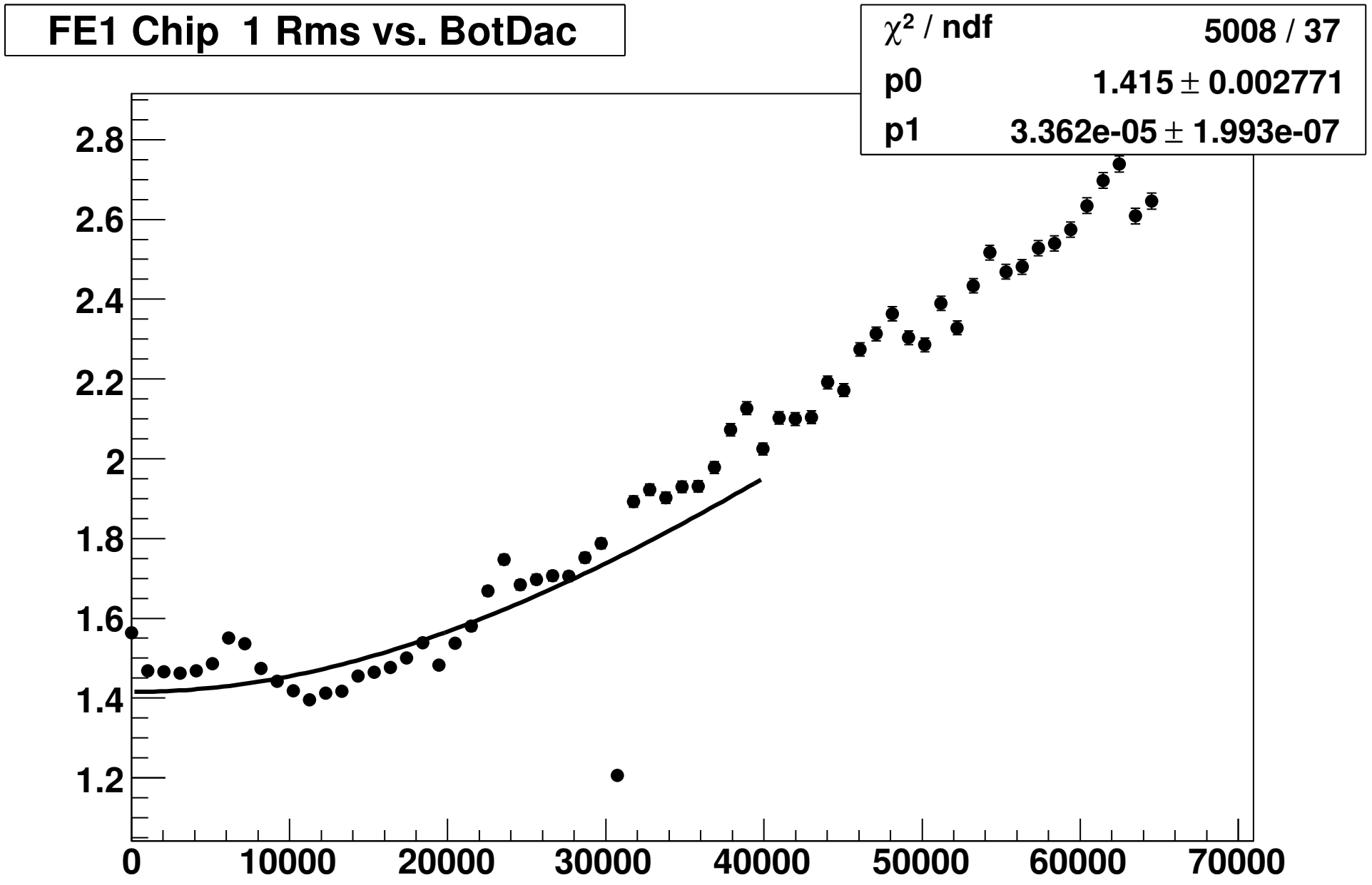
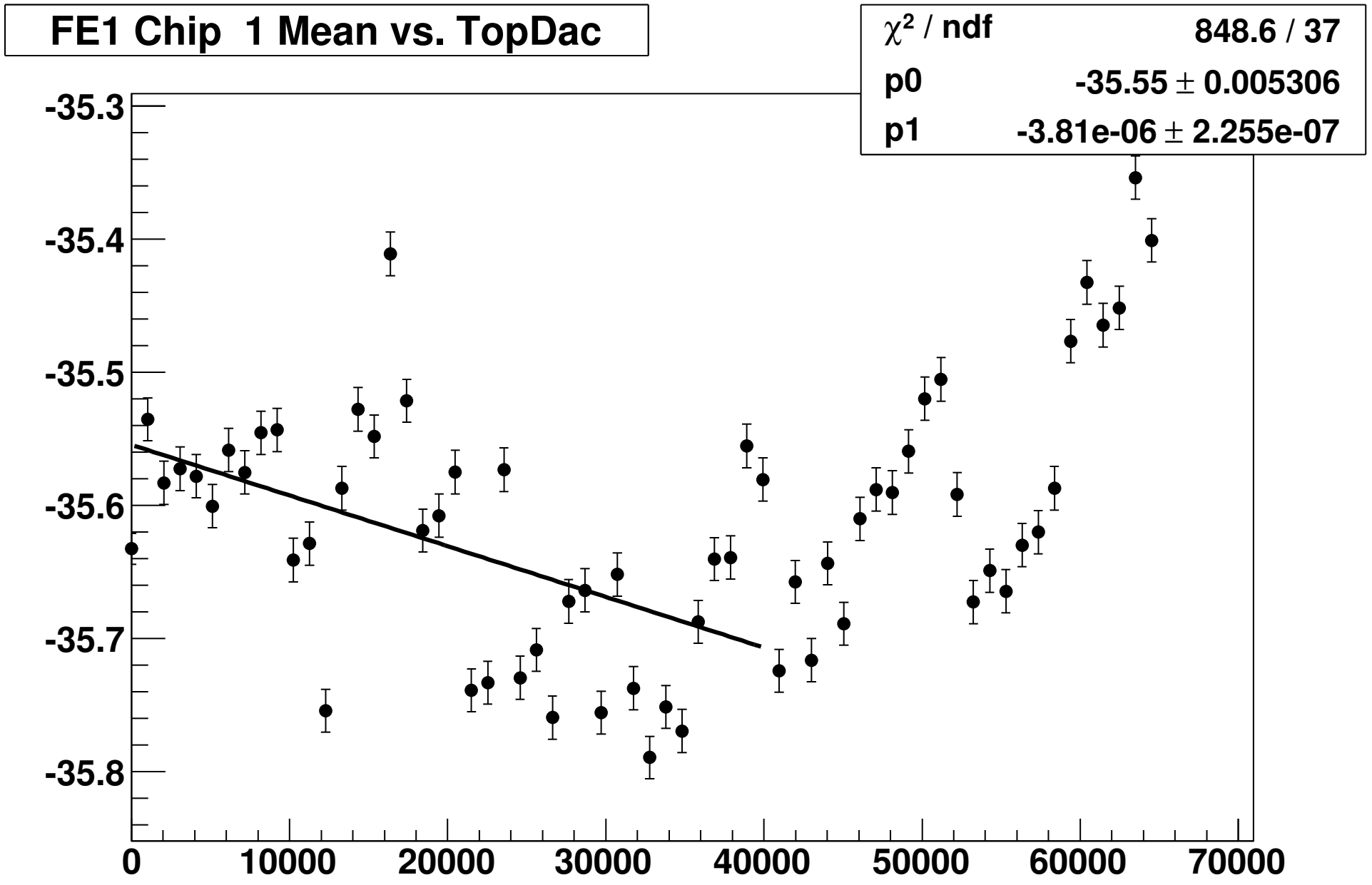
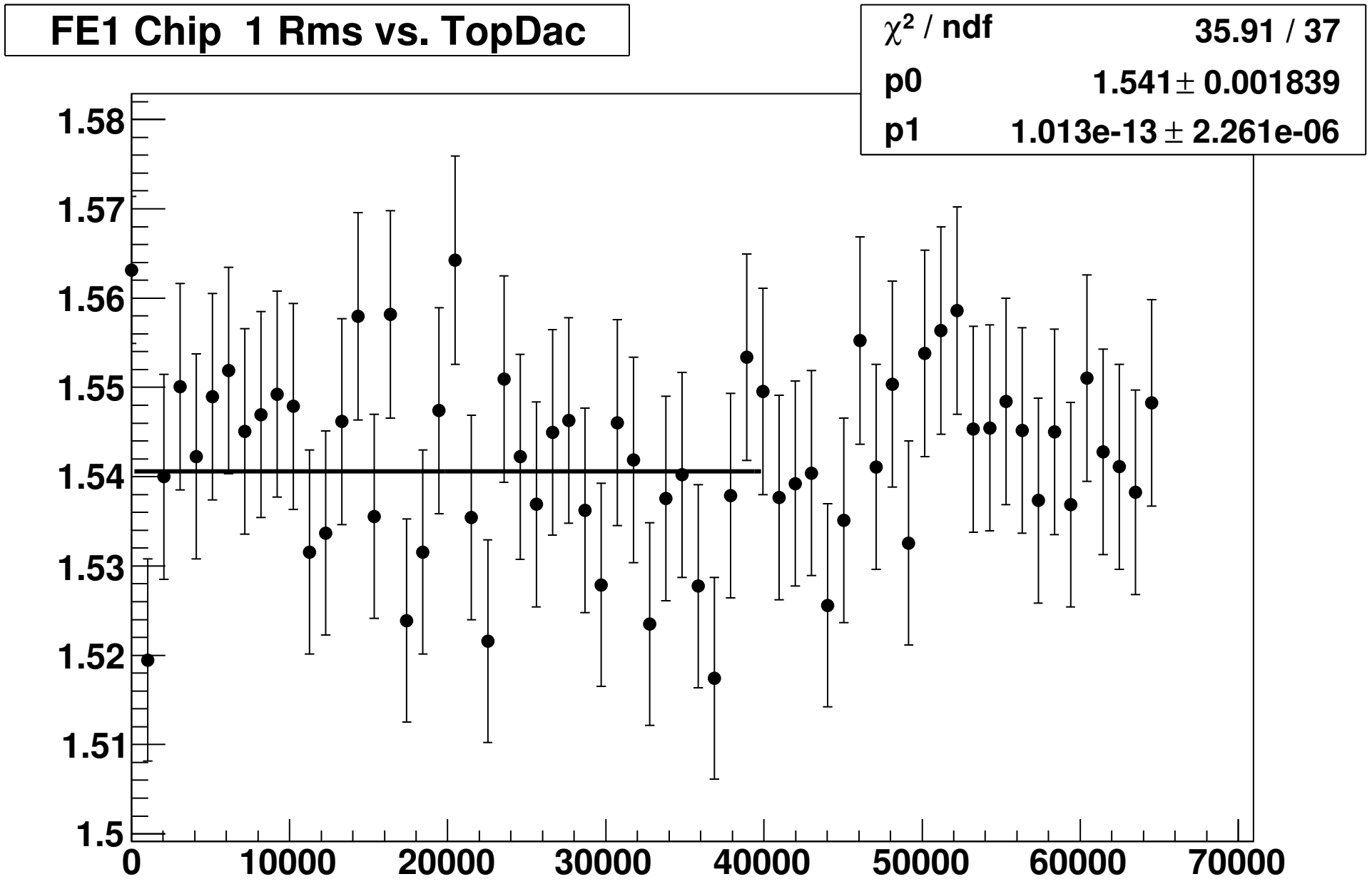
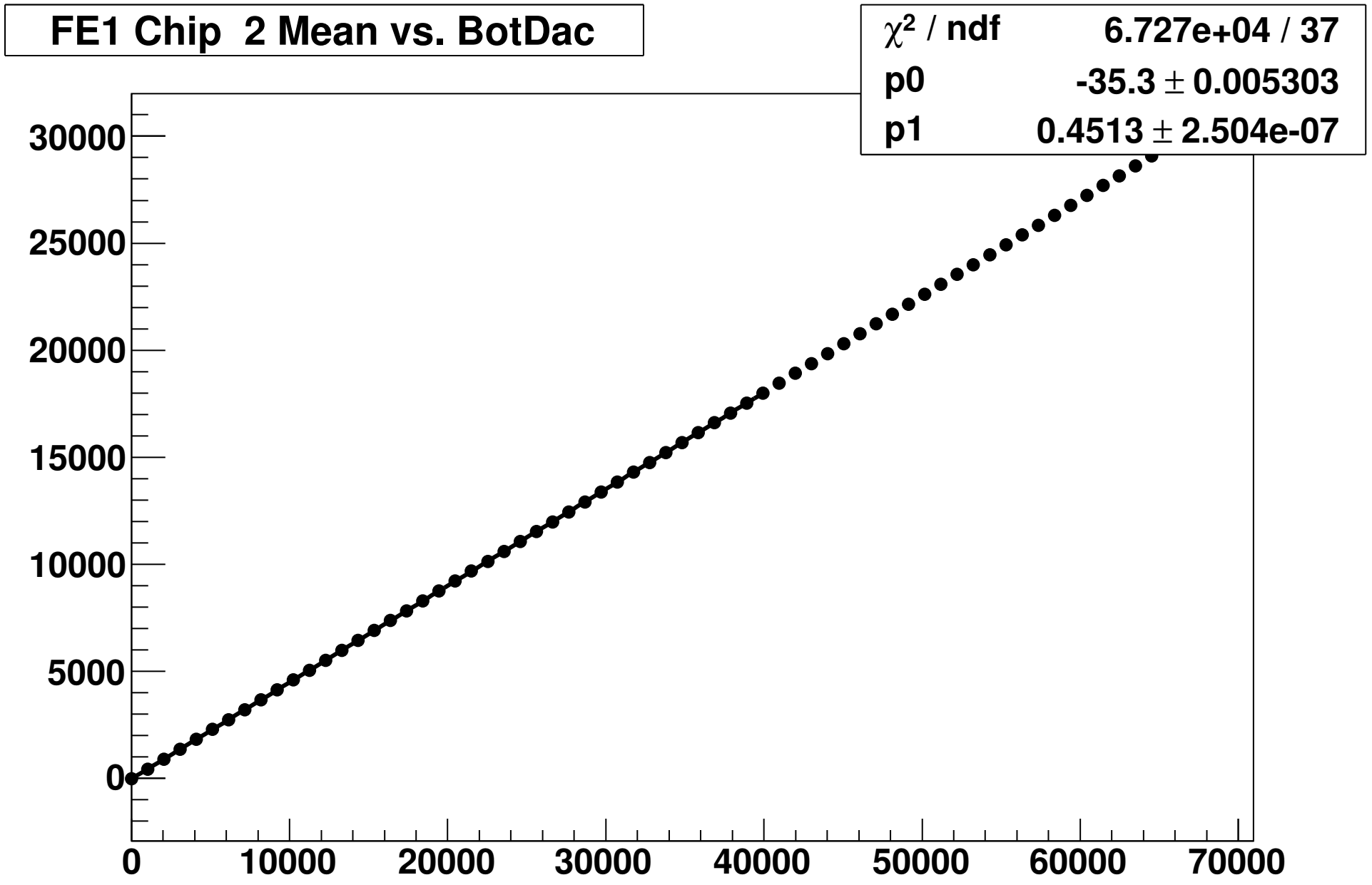
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 1.06e+05 / 37
p0 -34.97 ± 0.005242
p1 0.4511 ± 2.451e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 5008 / 37
p0 1.415 ± 0.002771
p1 3.362e-05 ± 1.993e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 848.6 / 37
p0 -35.55 ± 0.005306
p1 -3.81e-06 ± 2.255e-07
-35.3
-35.4
-35.5
-35.6
-35.7
-35.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 35.91 / 37
p0 1.541 ± 0.001839
p1 1.013e-13 ± 2.261e-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


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 6.727e+04 / 37
p0 -35.3 ± 0.005303
p1 0.4513 ± 2.504e-07
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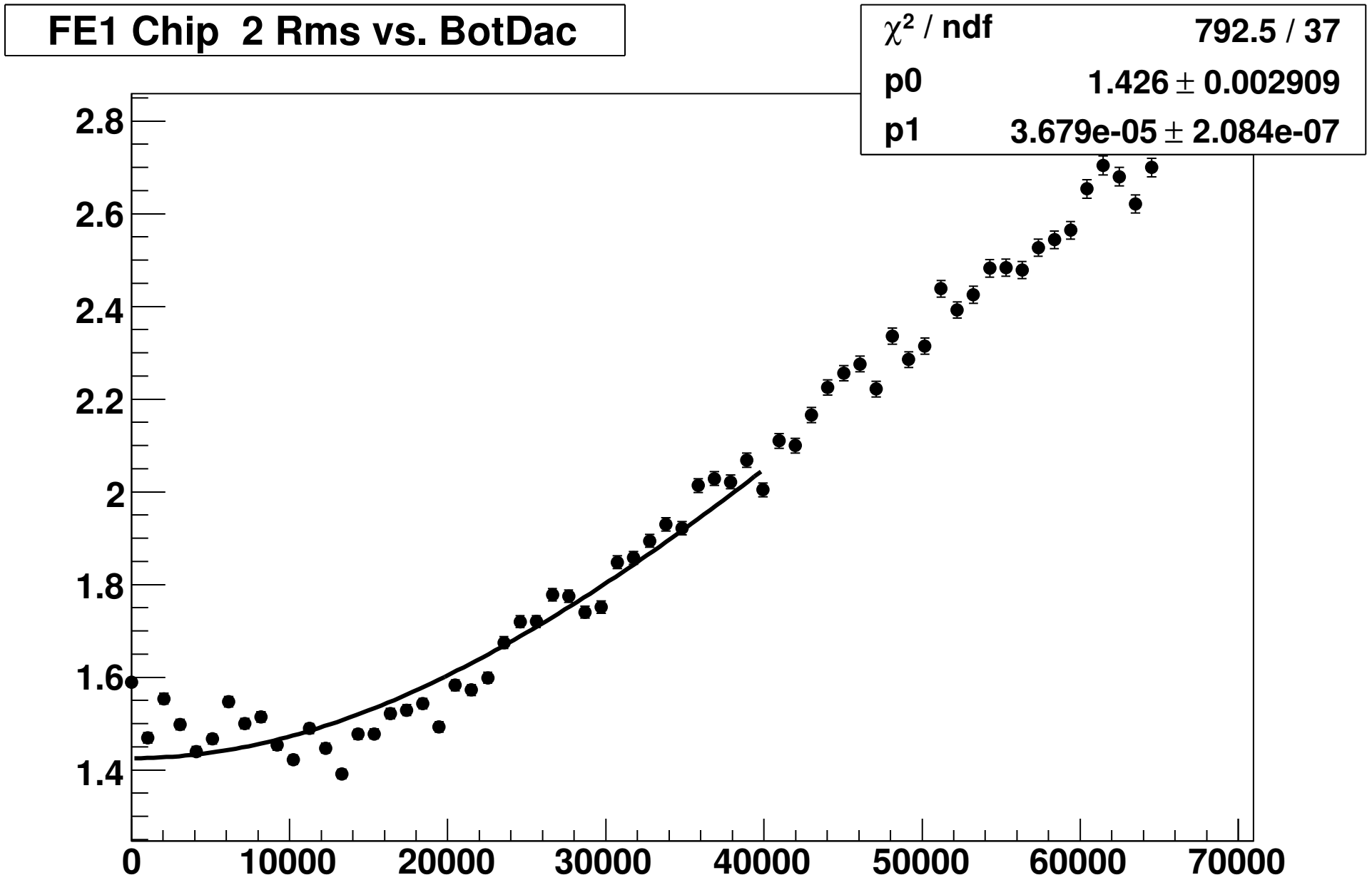
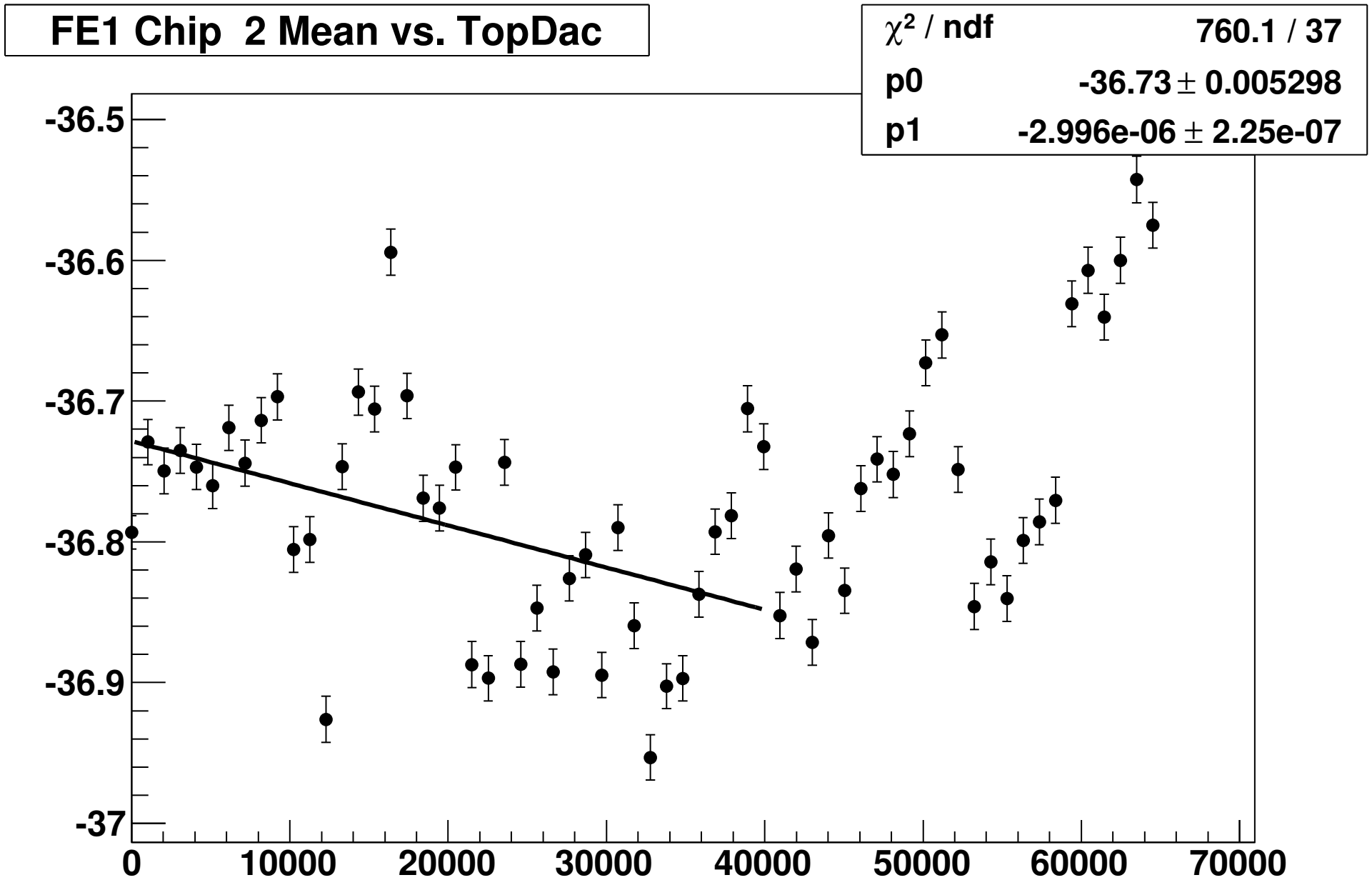
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 792.5 / 37
p0 1.426 ± 0.002909
p1 3.679e-05 ± 2.084e-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 760.1 / 37
p0 -36.73 ± 0.005298
p1 -2.996e-06 ± 2.25e-07
-36.5
-36.6
-36.7
-36.8
-36.9
-37
0
10000
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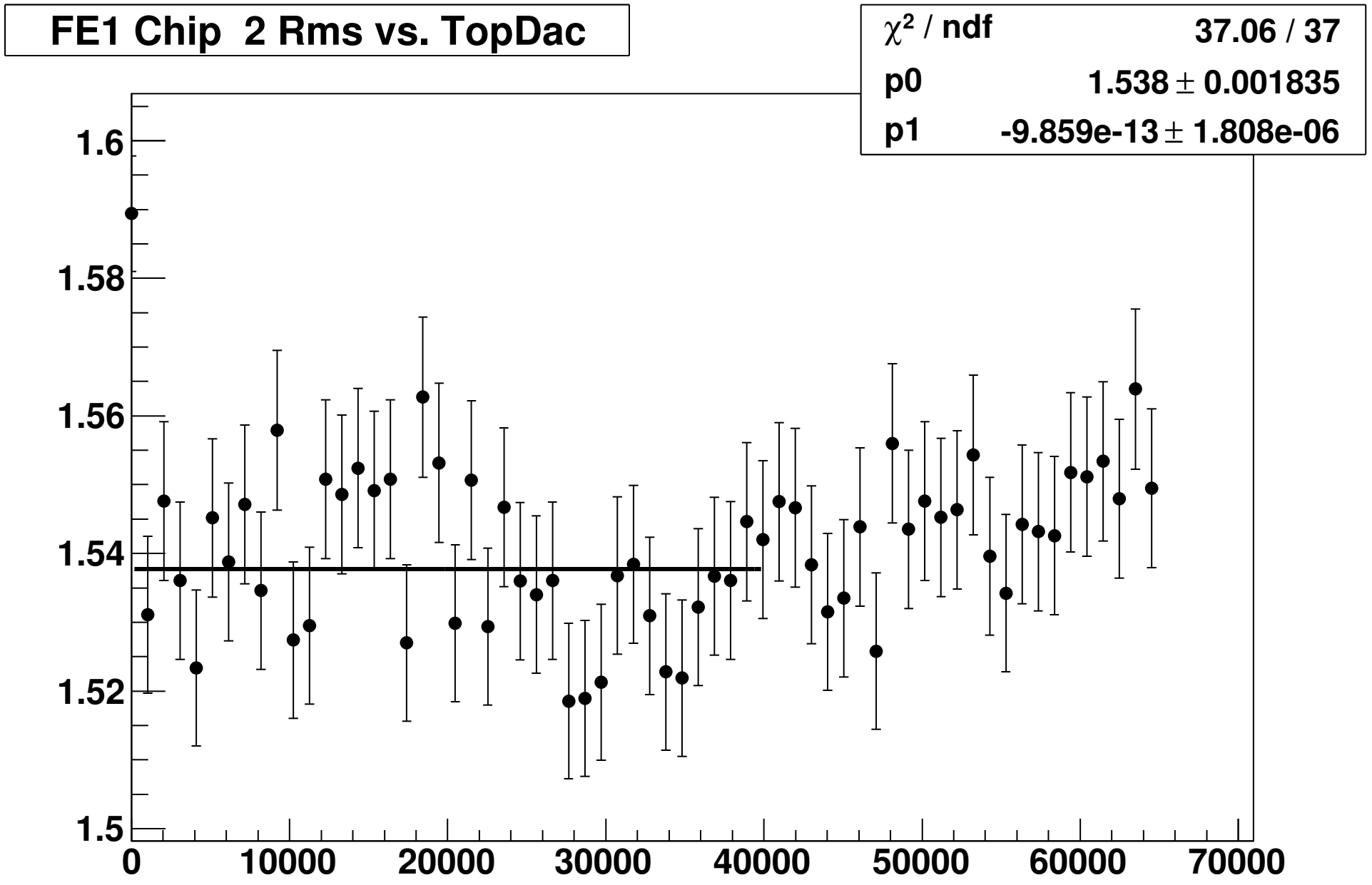
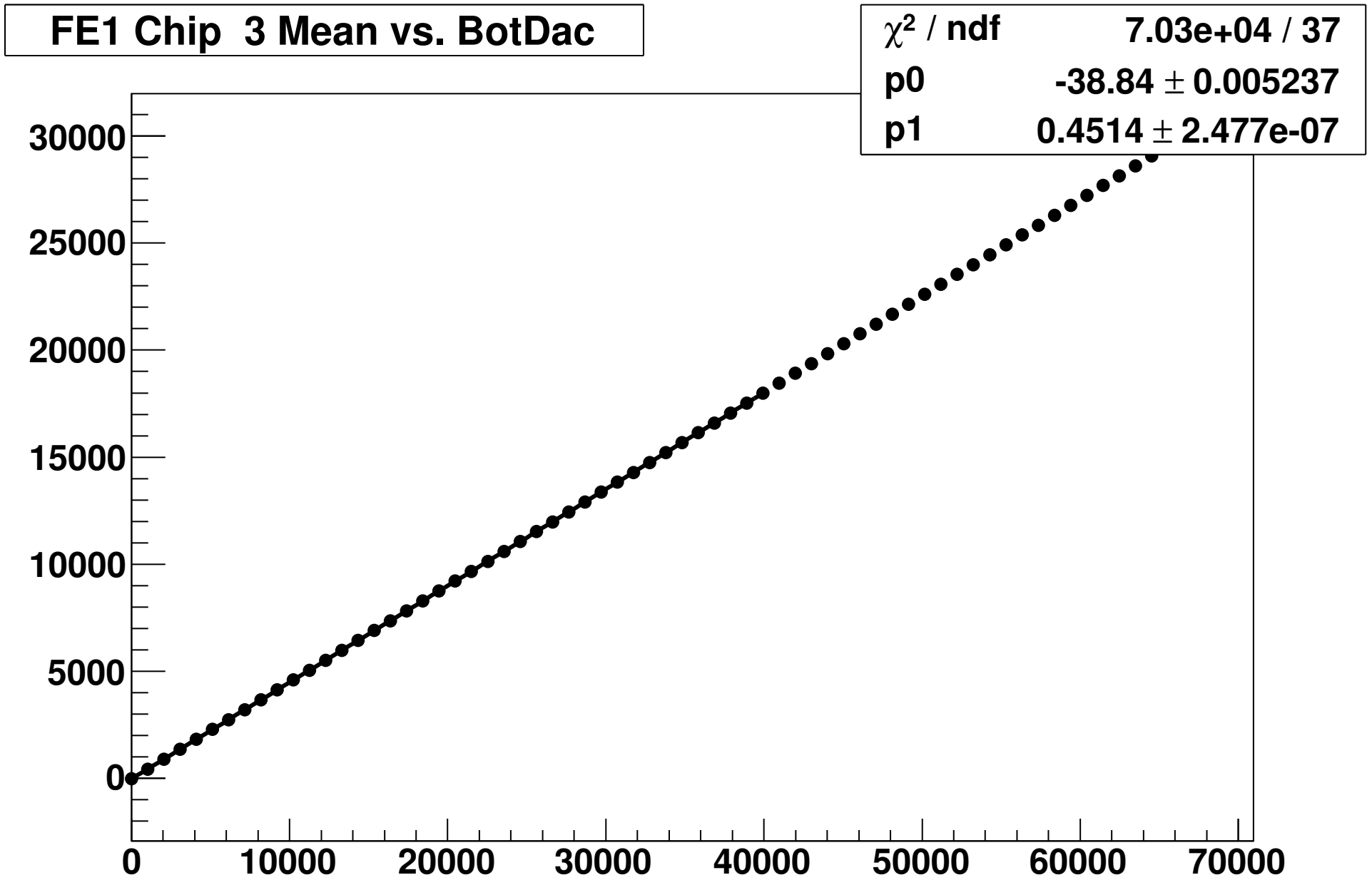
50000
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 37.06 / 37
p0 1.538 ± 0.001835
p1 -9.859e-13 ± 1.808e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 7.03e+04 / 37
p0 -38.84 ± 0.005237
p1 0.4514 ± 2.477e-07
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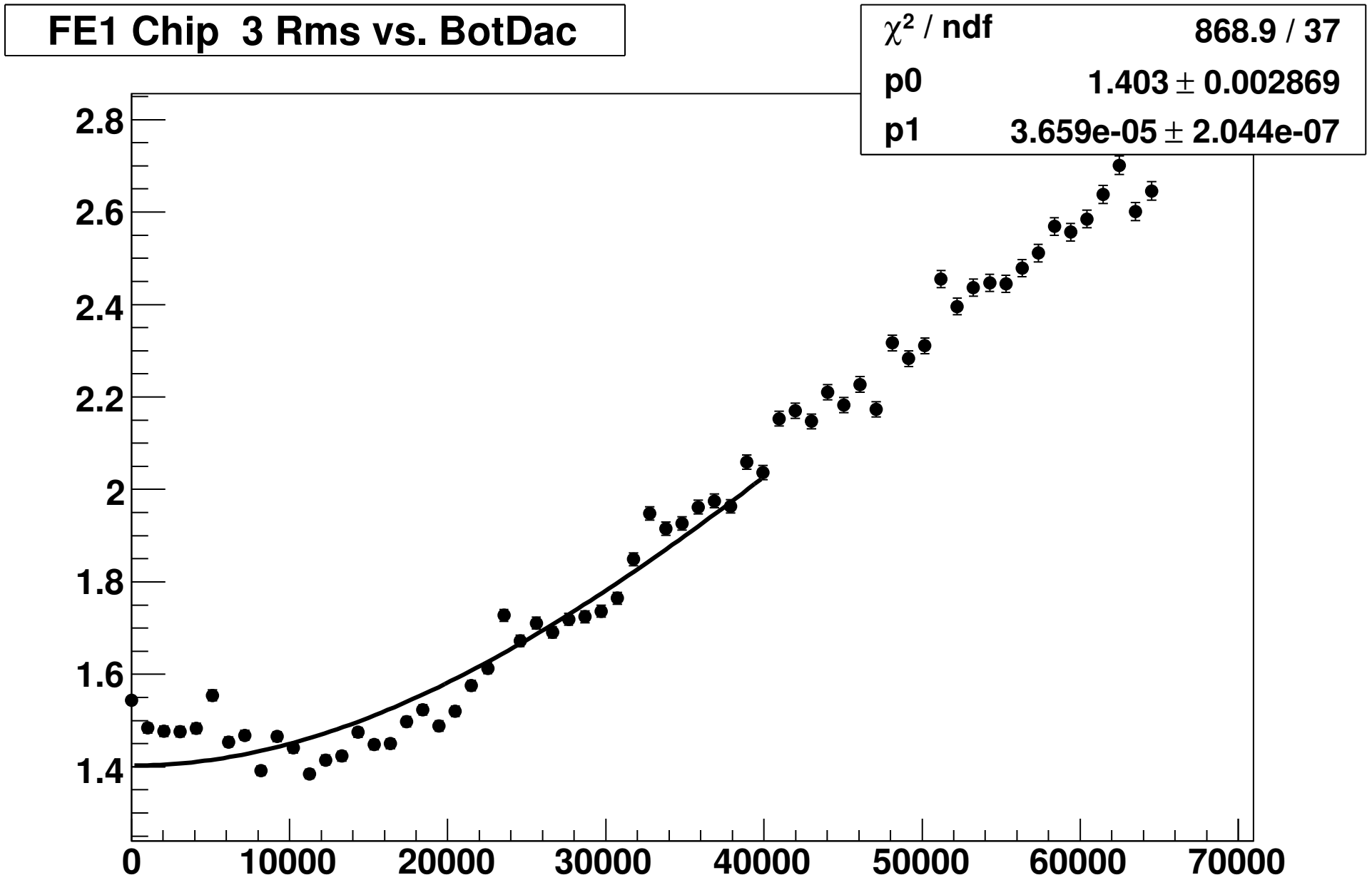
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 868.9 / 37
p0 1.403 ± 0.002869
p1 3.659e-05 ± 2.044e-07
2.8
2.6
2.4
2.2
2
1.8
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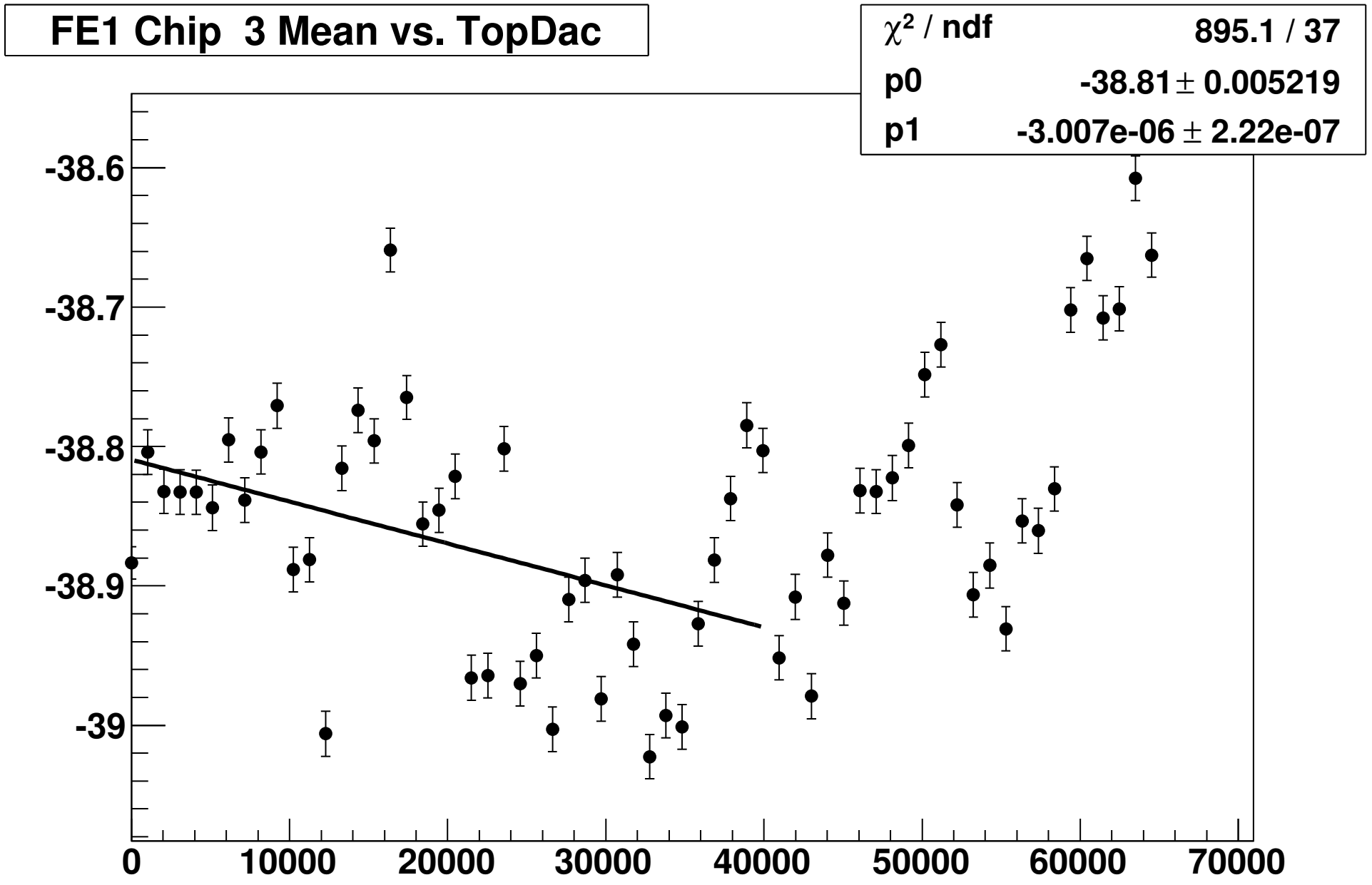
FE1 Chip 3 Mean vs. TopDac
χ² / ndf 895.1 / 37
p0 -38.81 ± 0.005219
p1 -3.007e-06 ± 2.22e-07
-38.6
-38.7
-38.8
-38.9
-39
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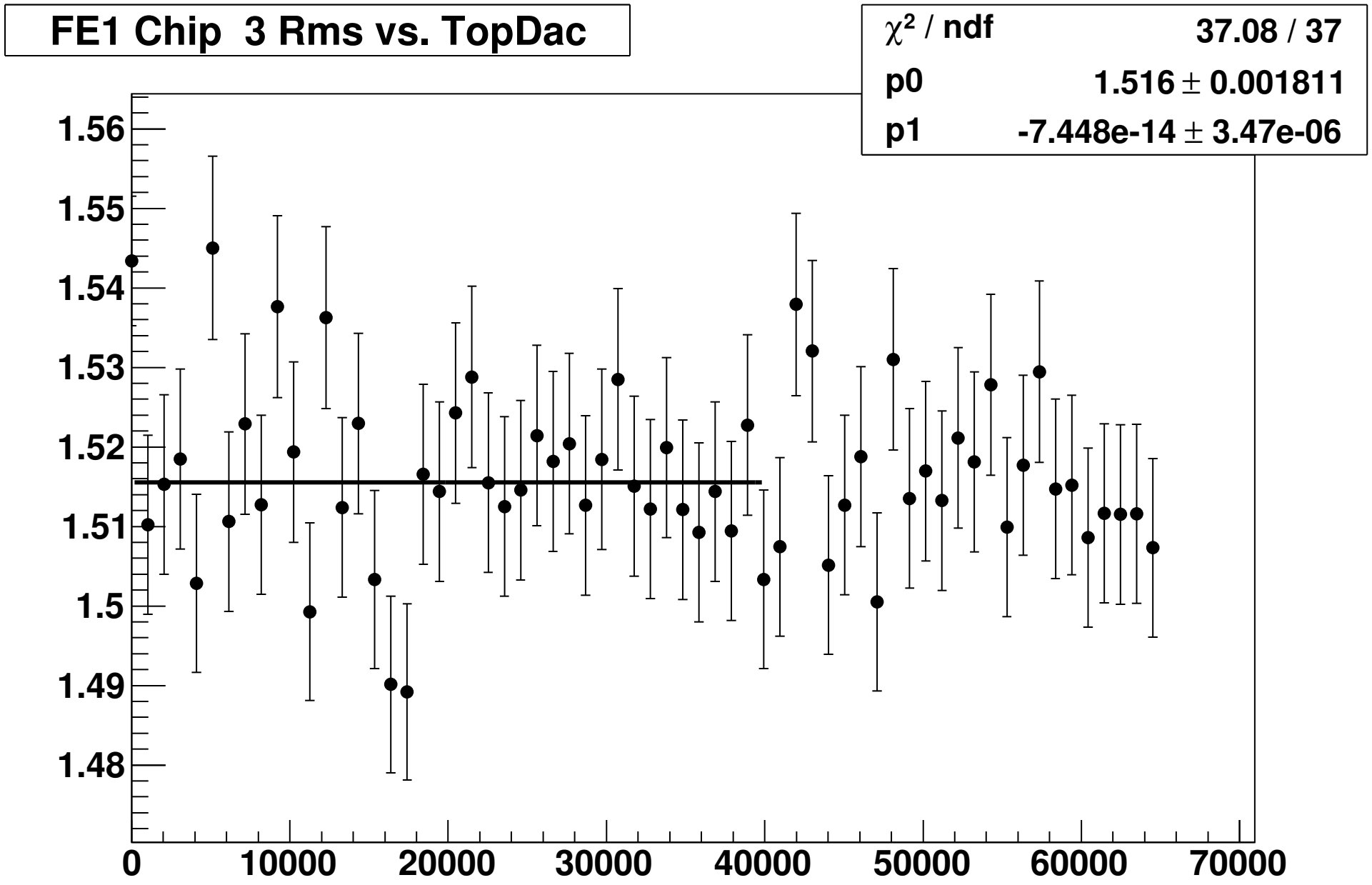
FE1 Chip 3 Rms vs. TopDac
χ² / ndf 37.08 / 37
p0 1.516 ± 0.001811
p1 -7.448e-14 ± 3.47e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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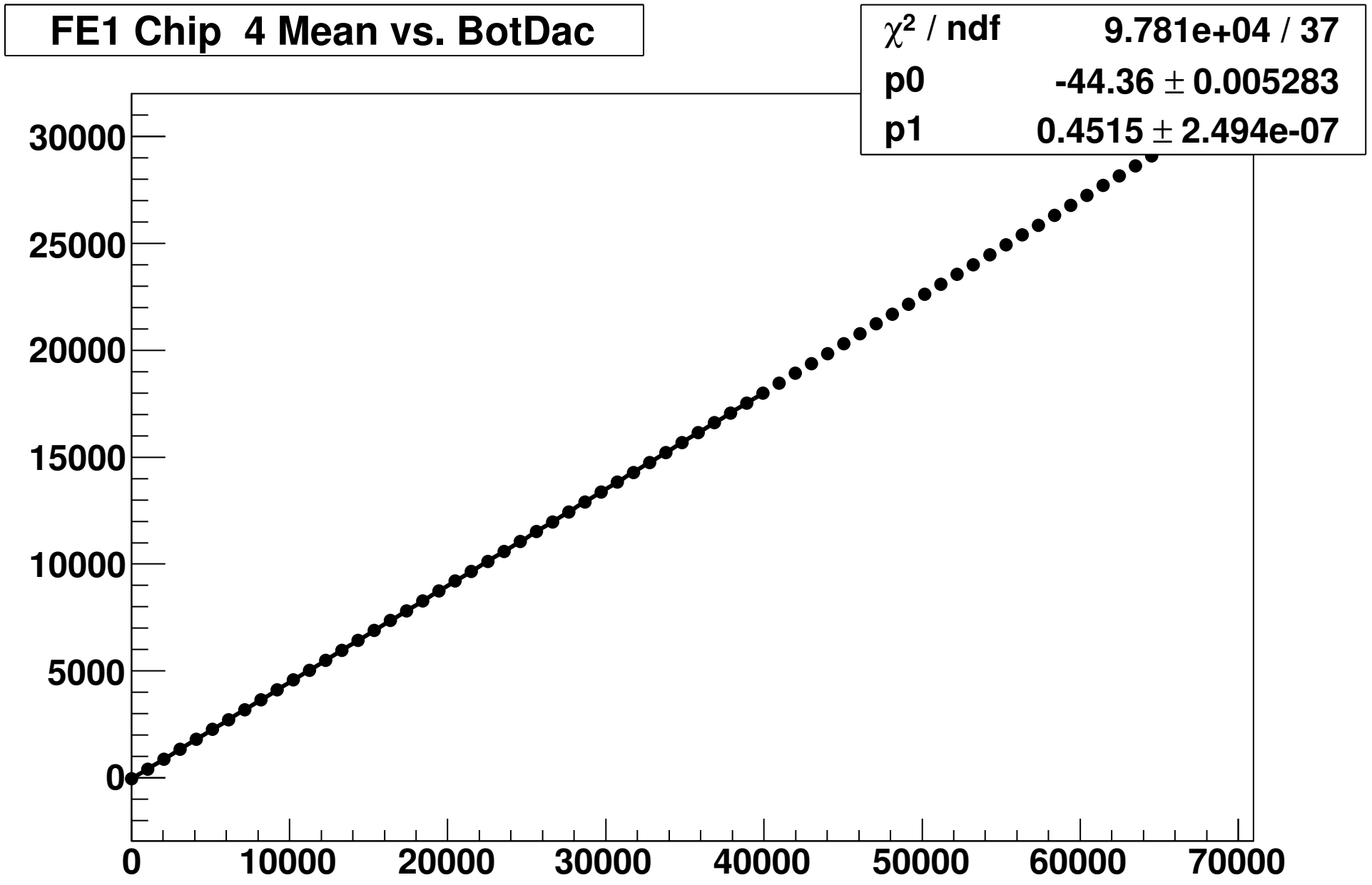
FE1 Chip 4 Mean vs. BotDac
χ² / ndf 9.781e+04 / 37
p0 -44.36 ± 0.005283
p1 0.4515 ± 2.494e-07
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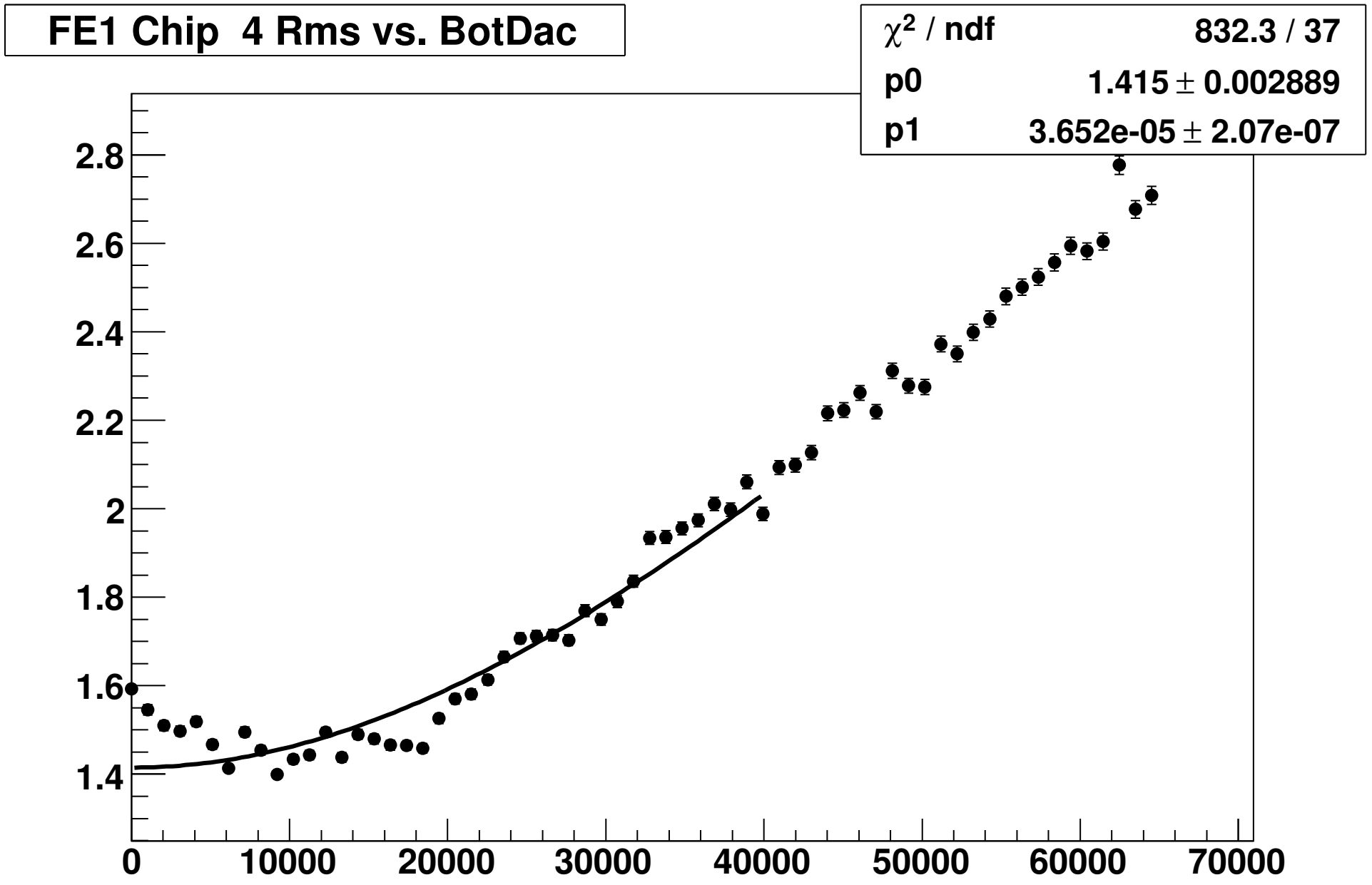
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 832.3 / 37
p0 1.415 ± 0.002889
p1 3.652e-05 ± 2.07e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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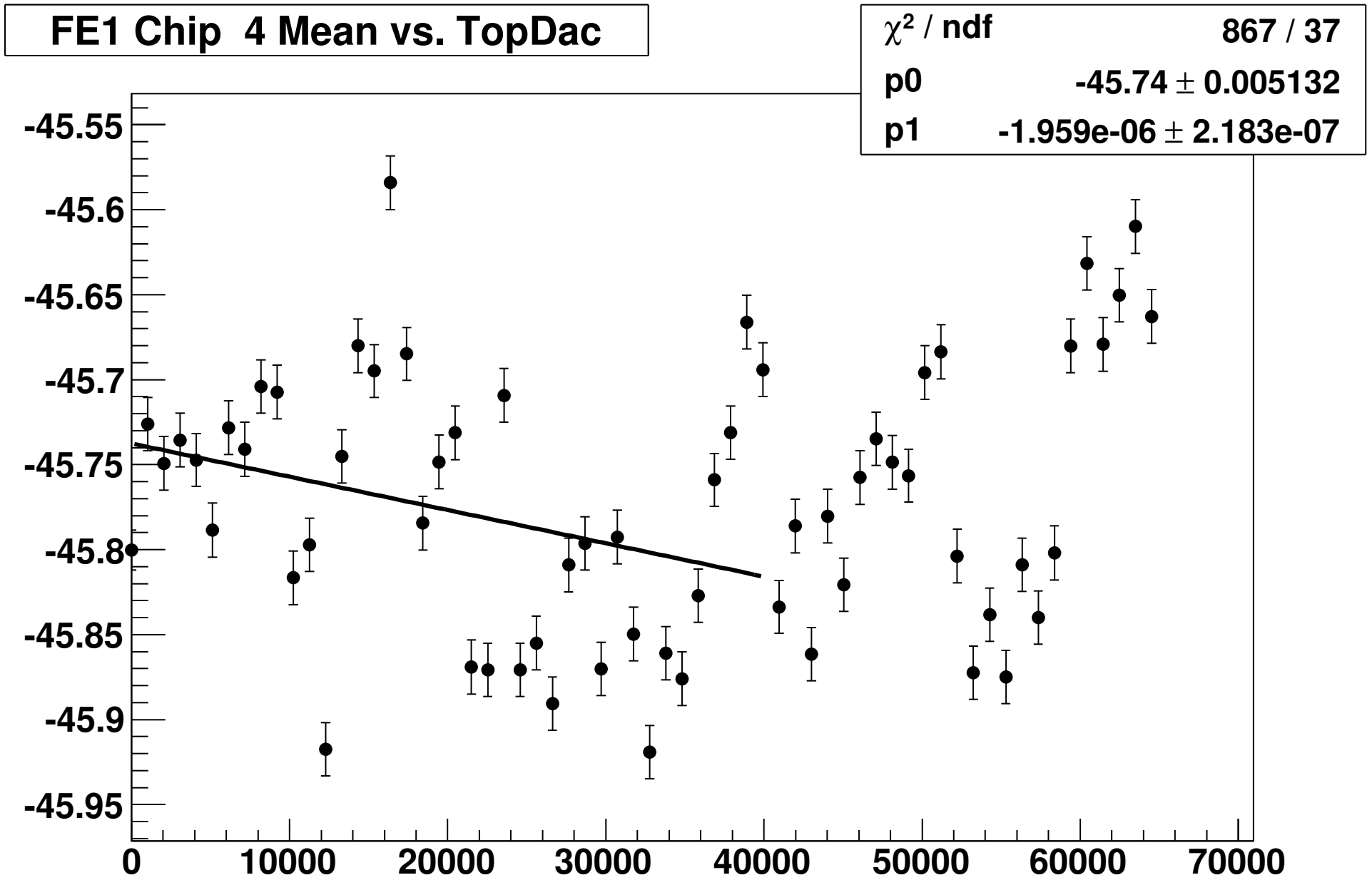
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 867 / 37
p0 -45.74 ± 0.005132
p1 -1.959e-06 ± 2.183e-07
-45.55
-45.6
-45.65
-45.7
-45.75
-45.8
-45.85
-45.9
-45.95
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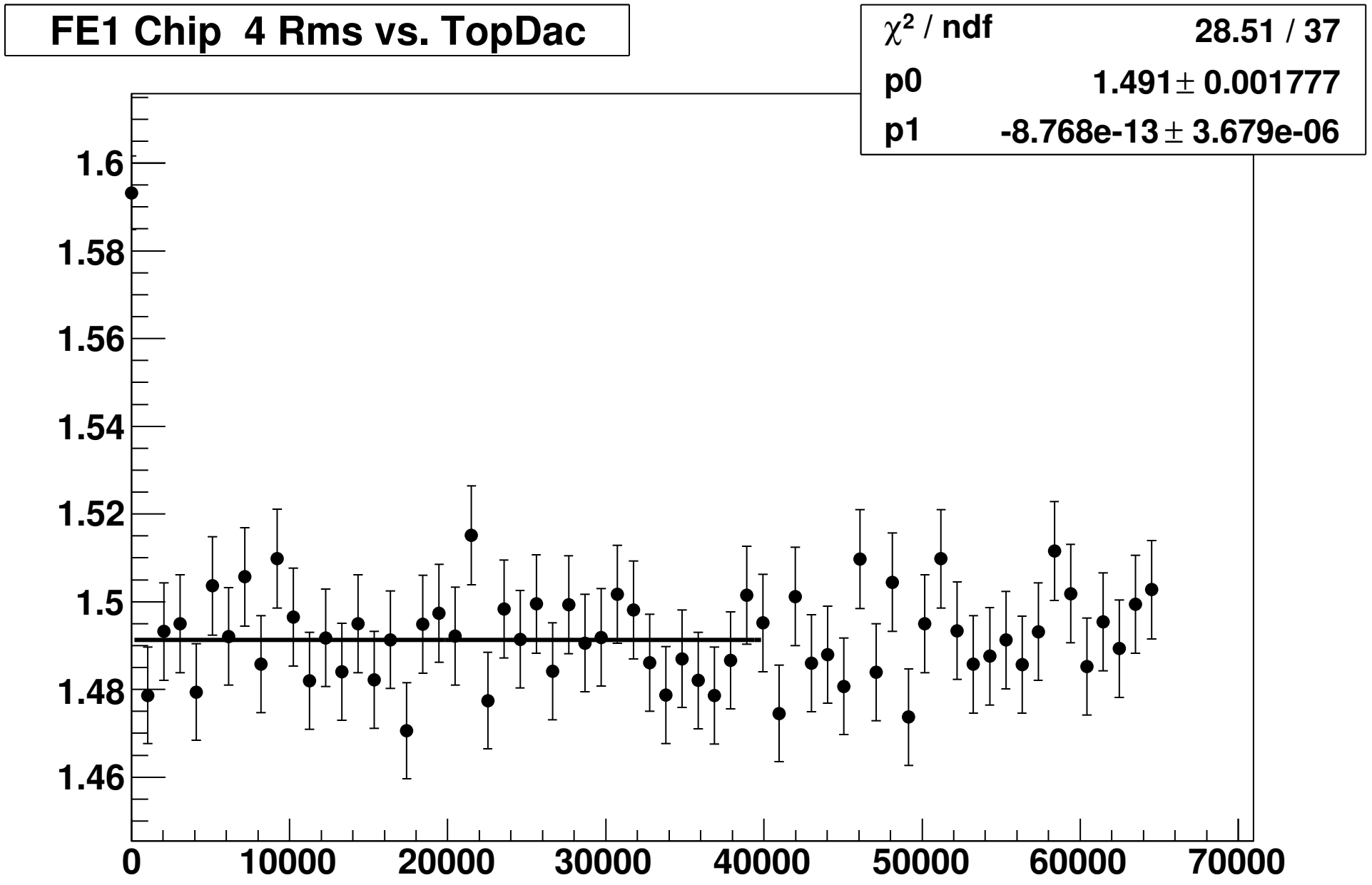
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 28.51 / 37
p0 1.491 ± 0.001777
p1 -8.768e-13 ± 3.679e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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20000
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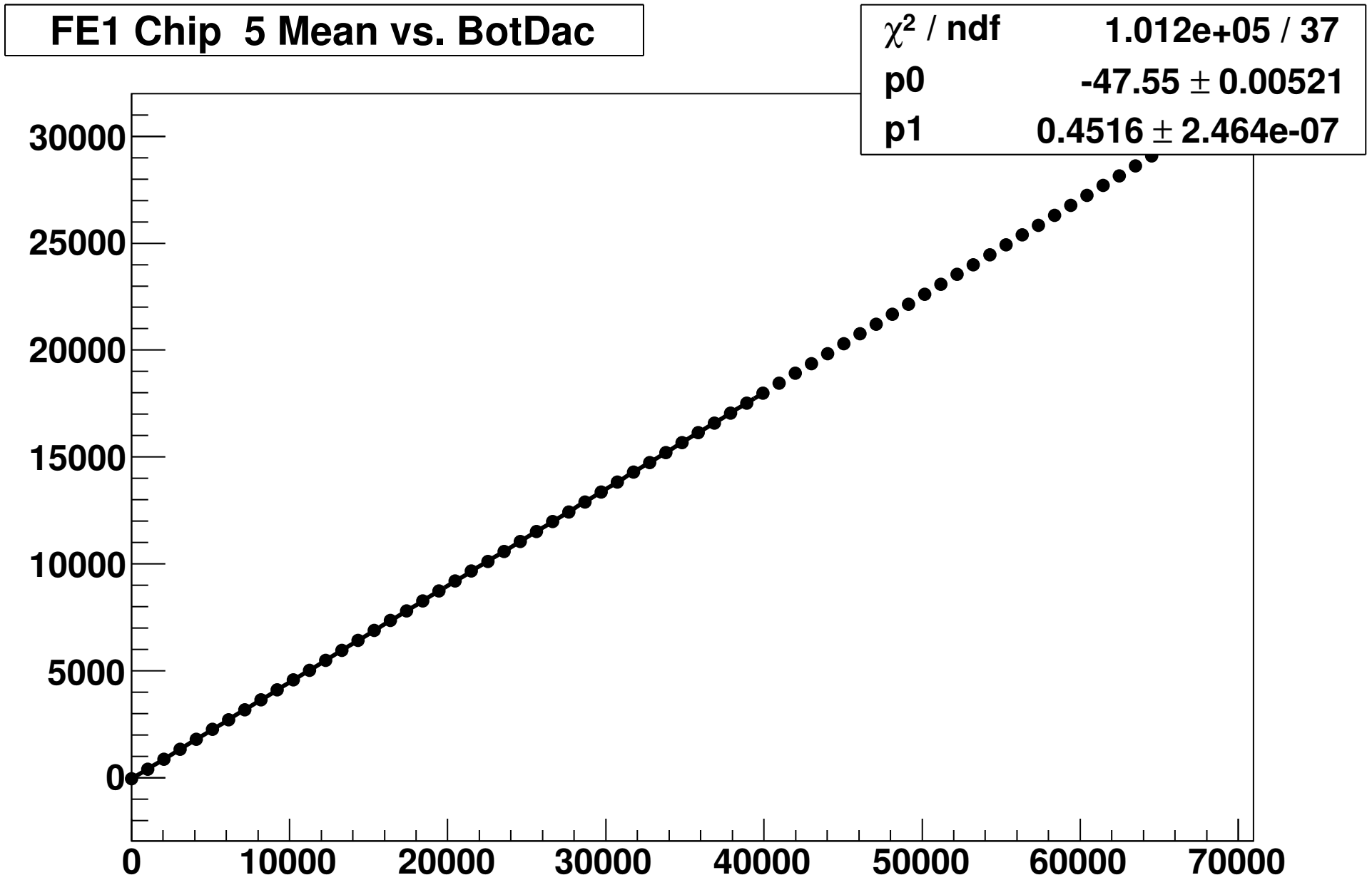
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 1.012e+05 / 37
p0 -47.55 ± 0.00521
p1 0.4516 ± 2.464e-07
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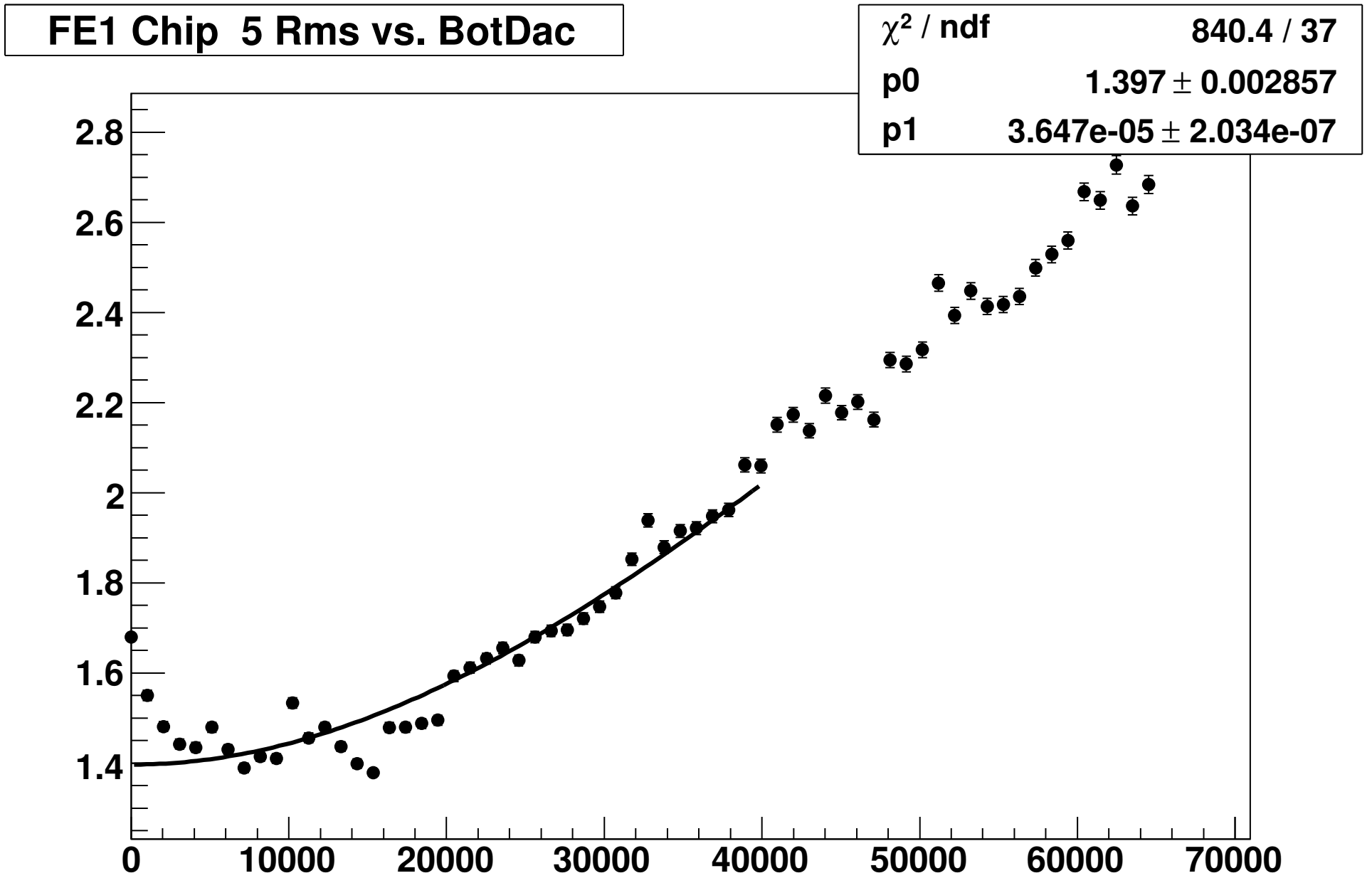
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 840.4 / 37
p0 1.397 ± 0.002857
p1 3.647e-05 ± 2.034e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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50000
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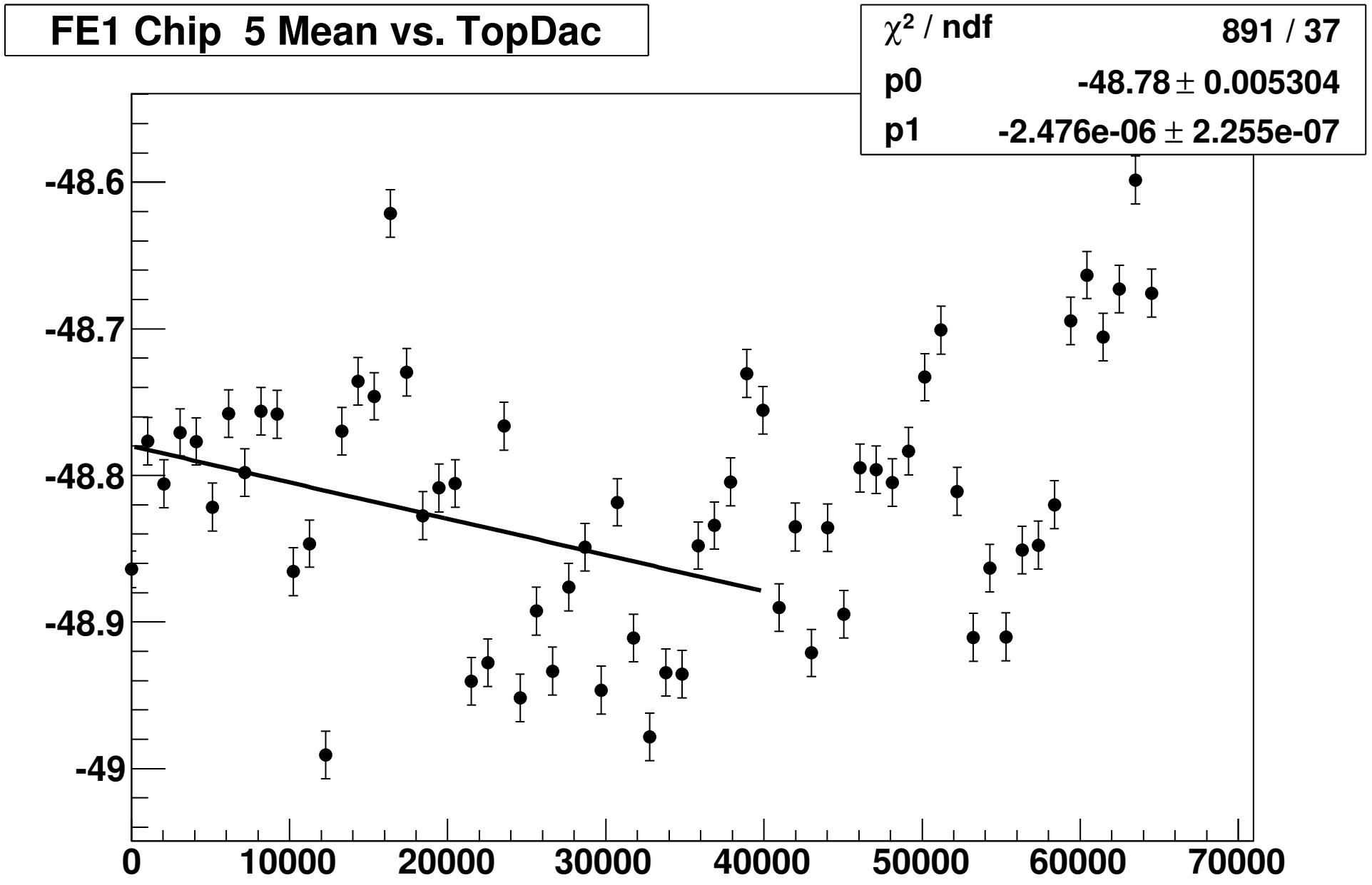
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 891 / 37
p0 -48.78 ± 0.005304
p1 -2.476e-06 ± 2.255e-07
-48.6
-48.7
-48.8
-48.9
-49
0
10000
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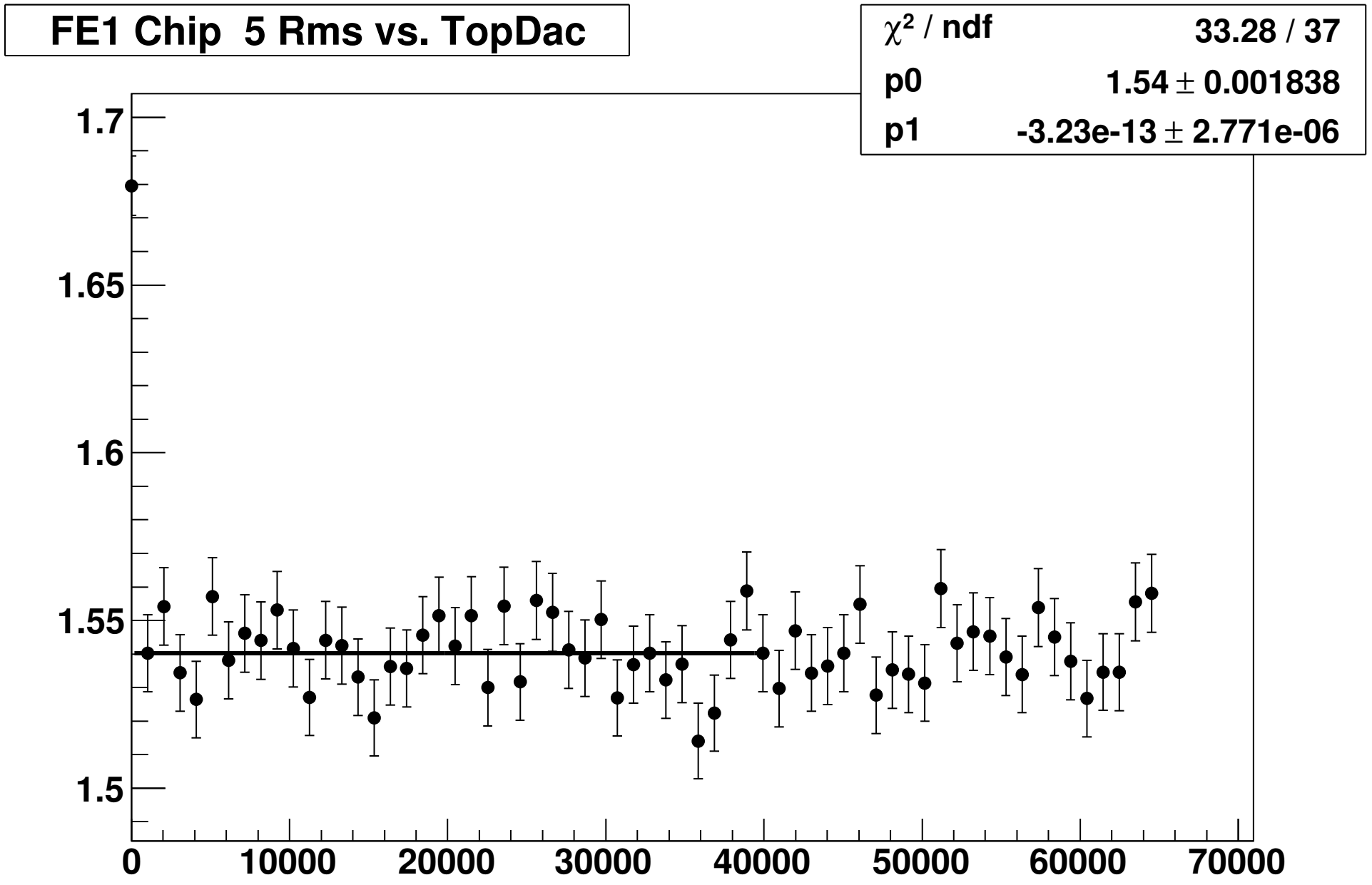
50000
60000
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 33.28 / 37
p0 1.54 ± 0.001838
p1 -3.23e-13 ± 2.771e-06
1.7
1.65
1.6
1.55
1.5
0
10000
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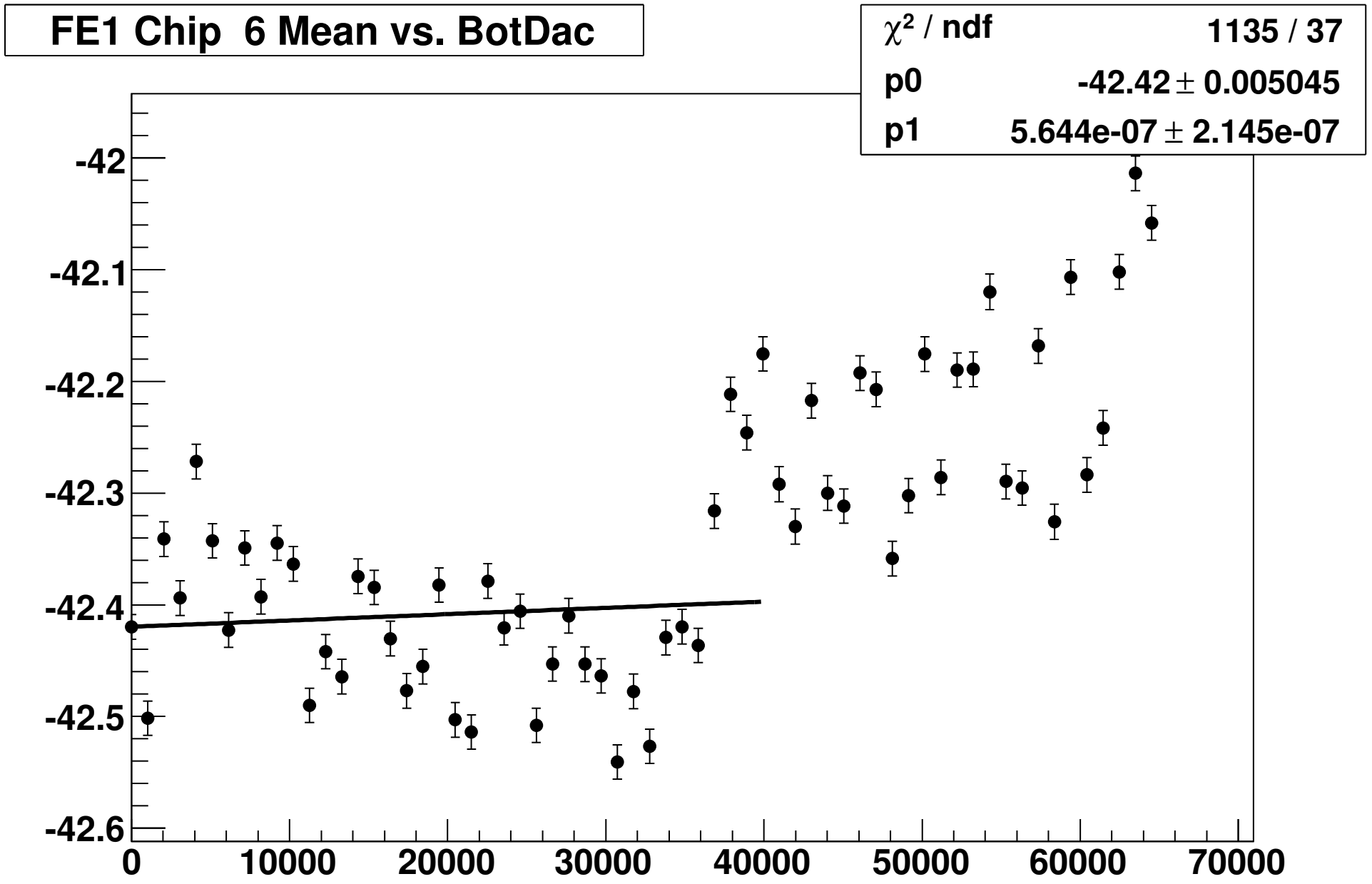
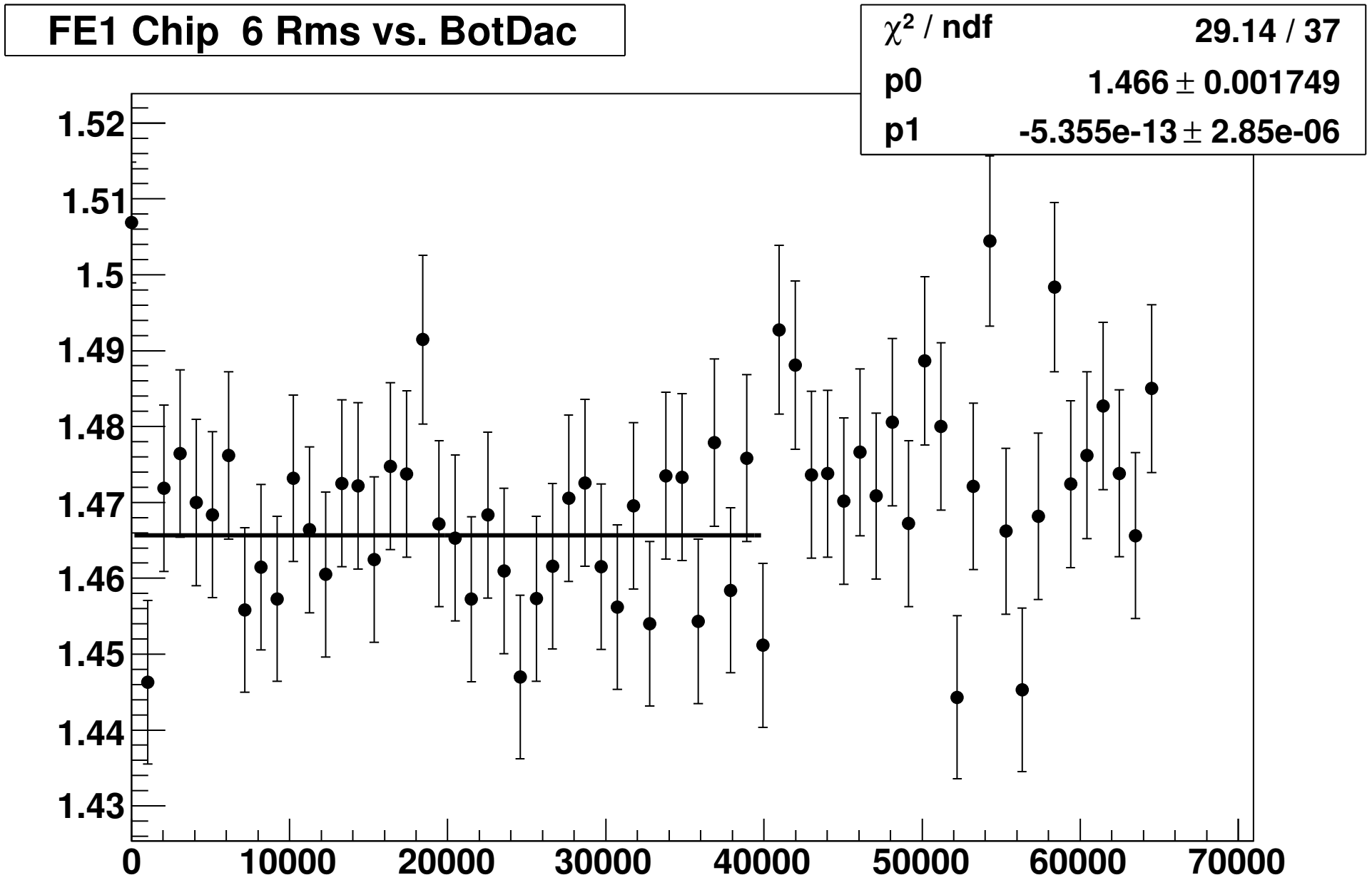
50000
60000
70000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 1135 / 37
p0 -42.42 ± 0.005045
p1 5.644e-07 ± 2.145e-07
-42
-42.1
-42.2
-42.3
-42.4
-42.5
-42.6
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 29.14 / 37
p0 1.466 ± 0.001749
p1 -5.355e-13 ± 2.85e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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20000
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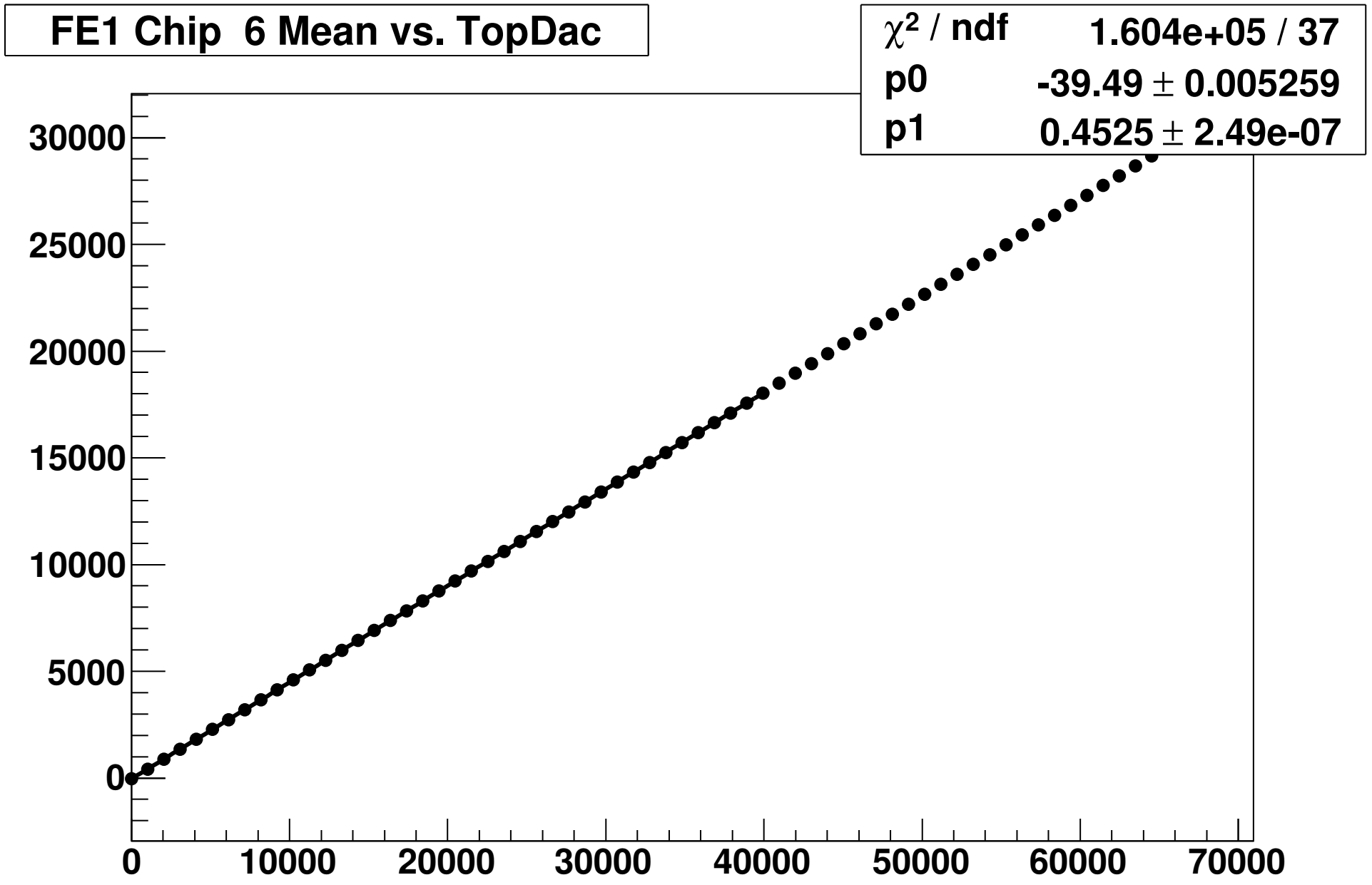
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.604e+05 / 37
p0 -39.49 ± 0.005259
p1 0.4525 ± 2.49e-07
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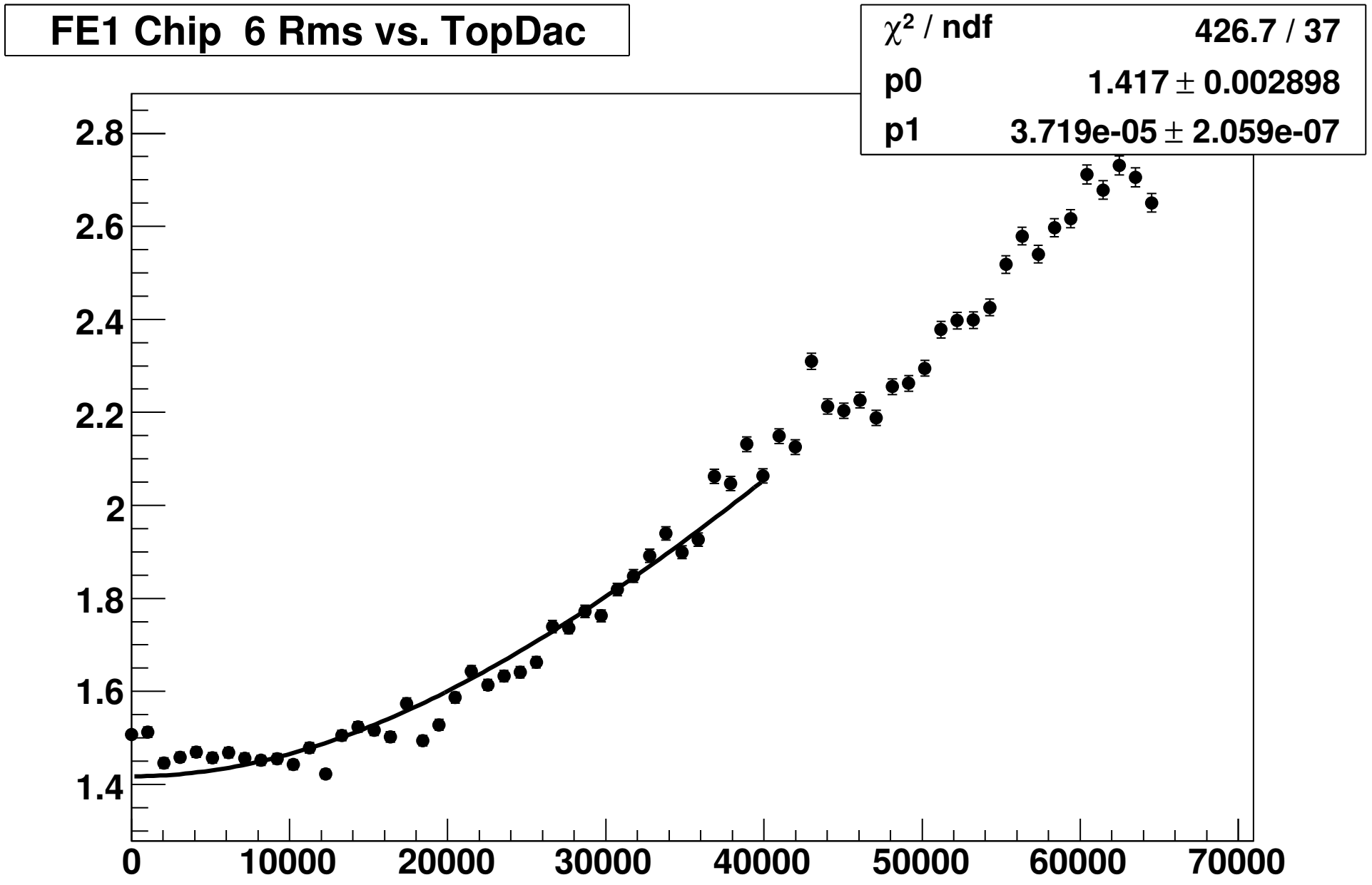
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 426.7 / 37
p0 1.417 ± 0.002898
p1 3.719e-05 ± 2.059e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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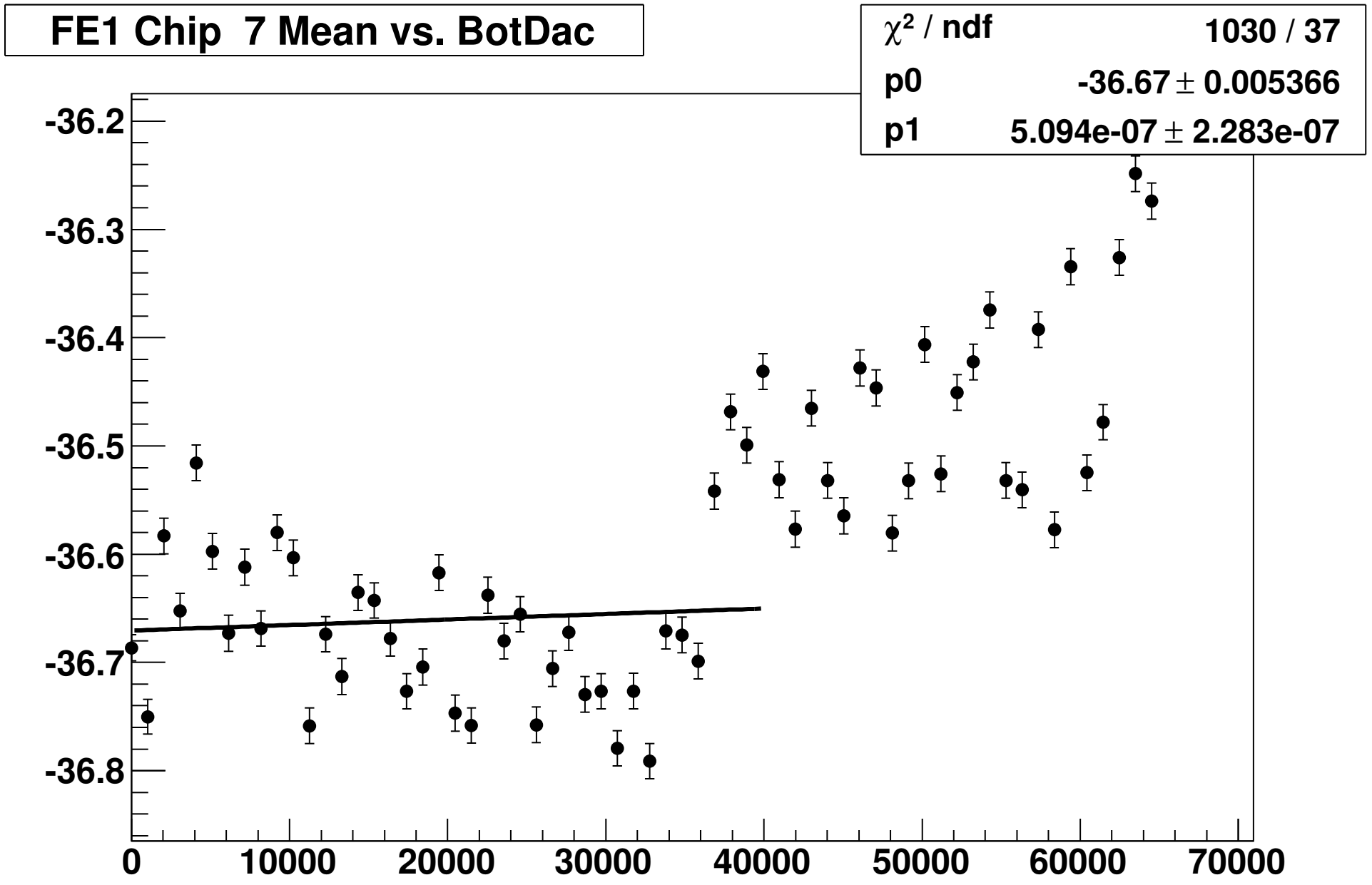
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1030 / 37
p0 -36.67 ± 0.005366
p1 5.094e-07 ± 2.283e-07
-36.2
-36.3
-36.4
-36.5
-36.6
-36.7
-36.8
0
10000
20000
30000
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50000
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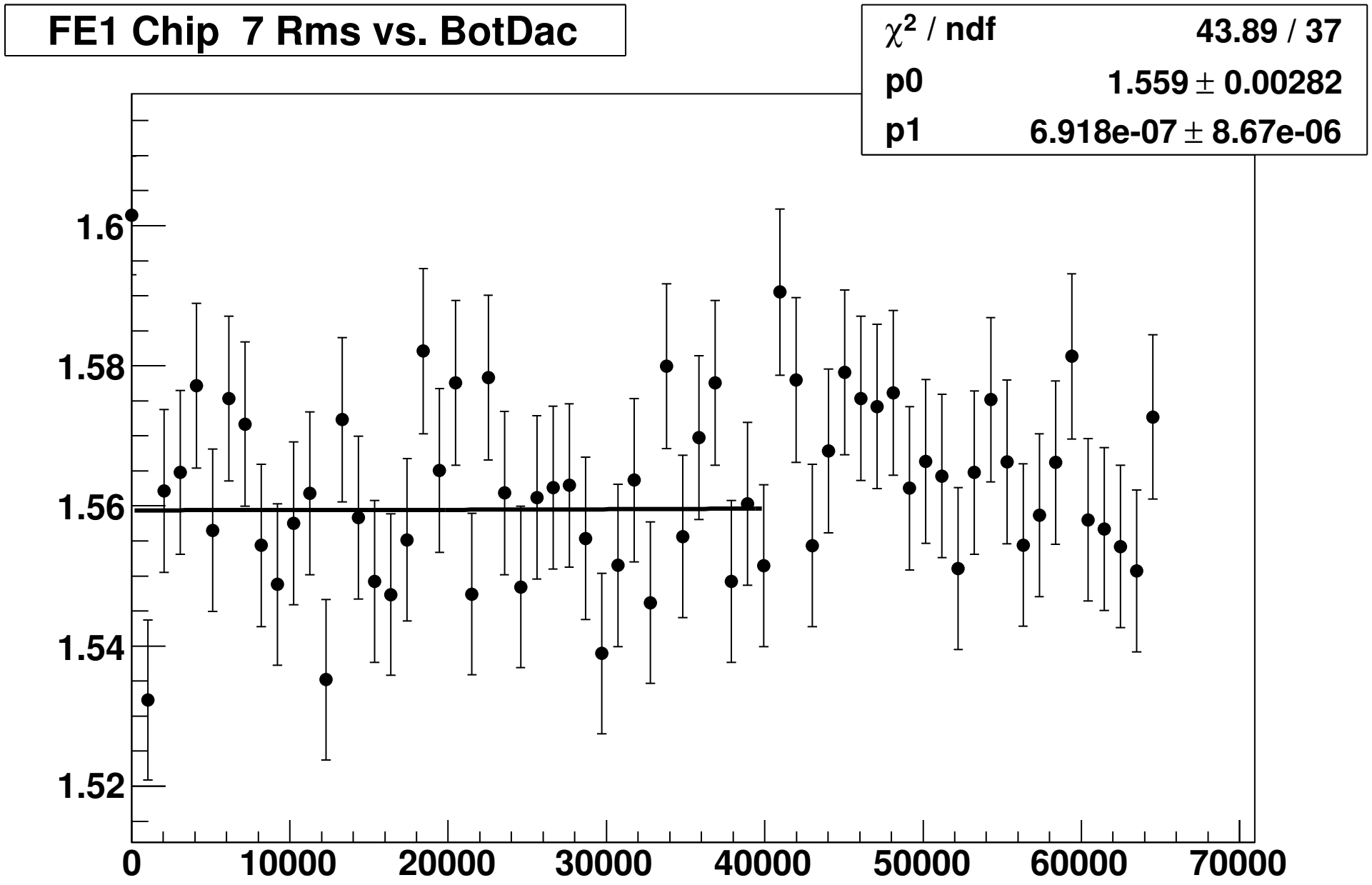
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 43.89 / 37
p0 1.559 ± 0.00282
p1 6.918e-07 ± 8.67e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
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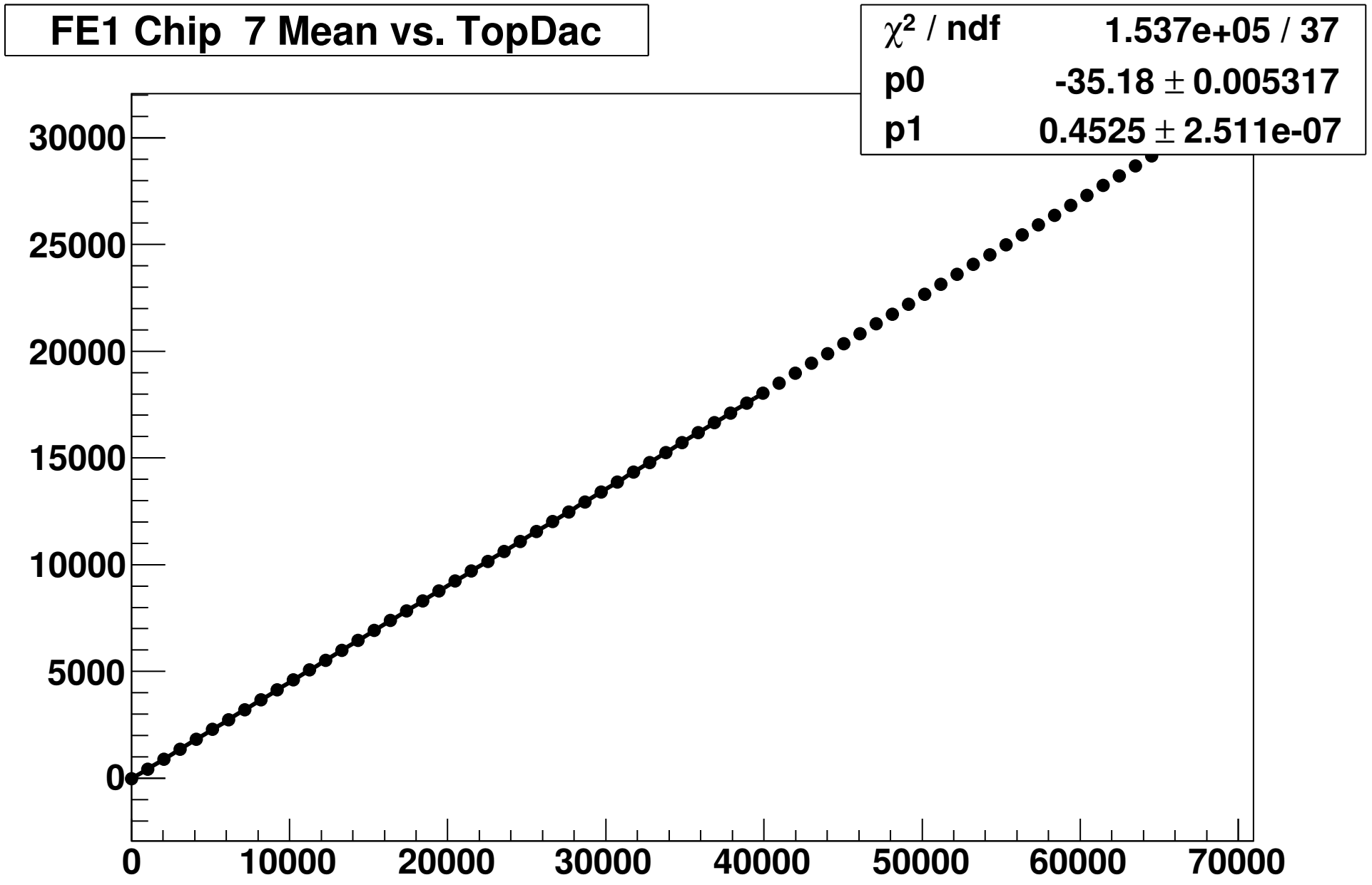
50000
60000
70000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.537e+05 / 37
p0 -35.18 ± 0.005317
p1 0.4525 ± 2.511e-07
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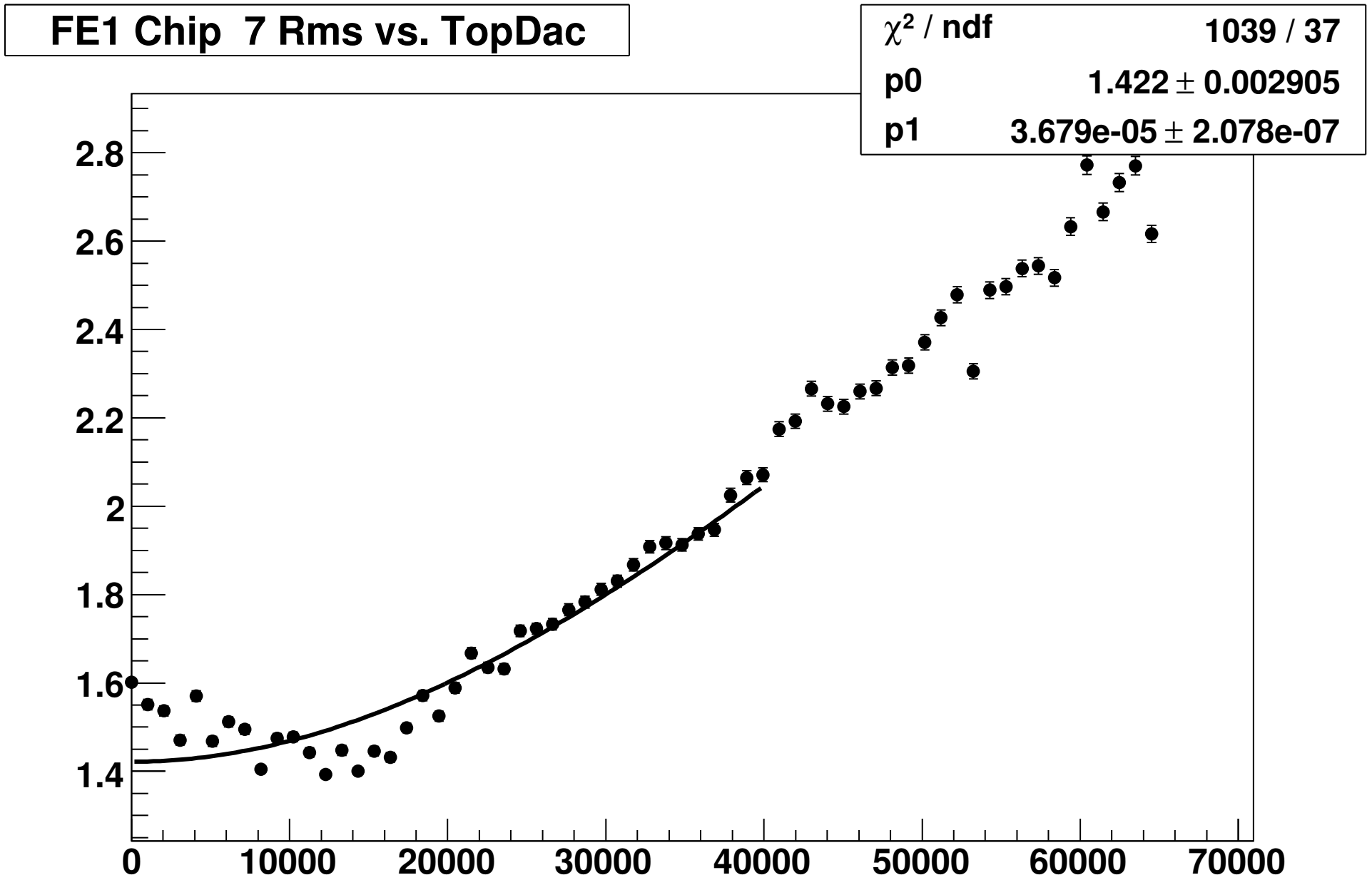
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1039 / 37
p0 1.422 ± 0.002905
p1 3.679e-05 ± 2.078e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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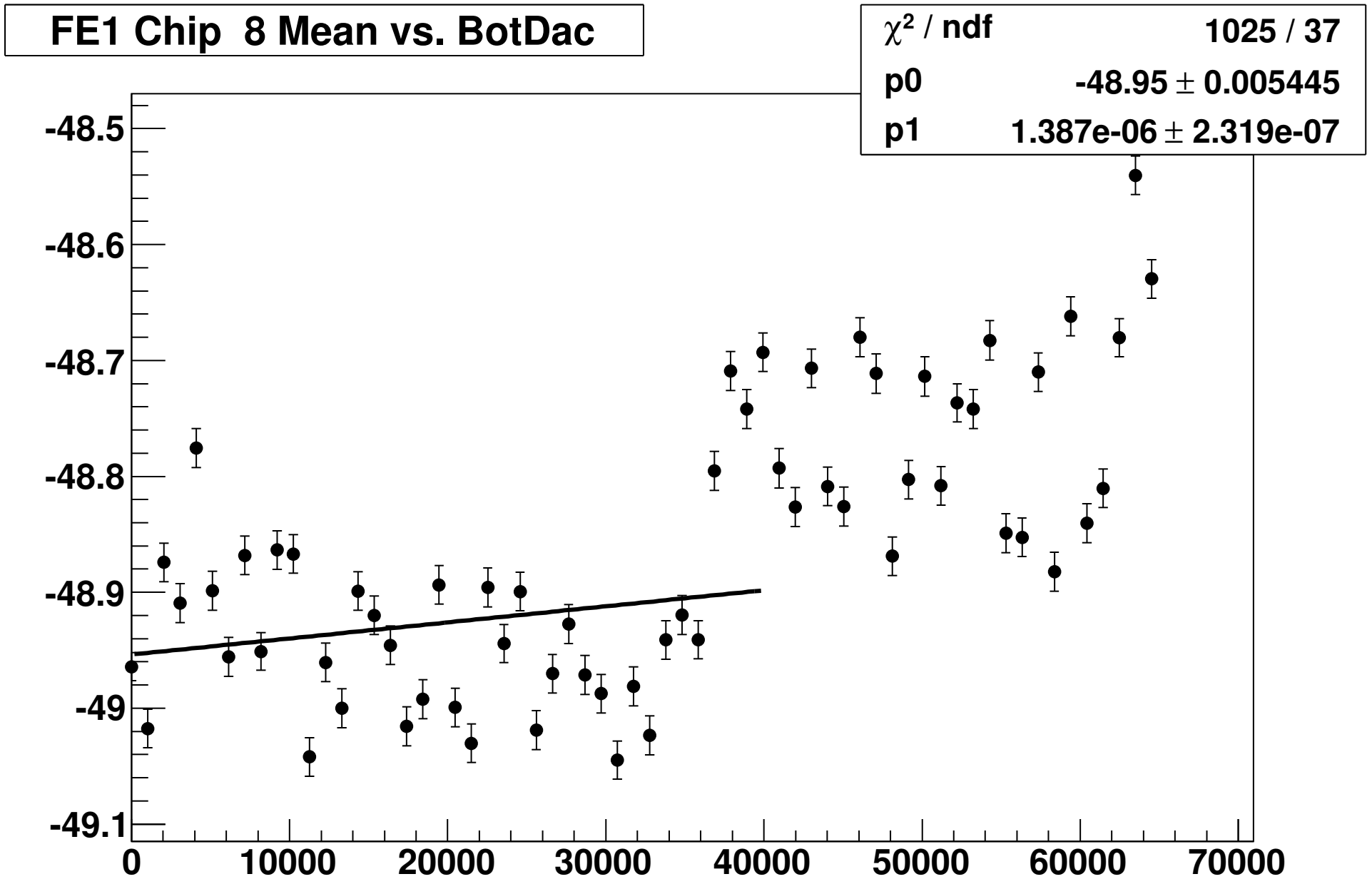
FE1 Chip 8 Mean vs. BotDac
χ² / ndf 1025 / 37
p0 -48.95 ± 0.005445
p1 1.387e-06 ± 2.319e-07
-48.5
-48.6
-48.7
-48.8
-48.9
-49
-49.1
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60000
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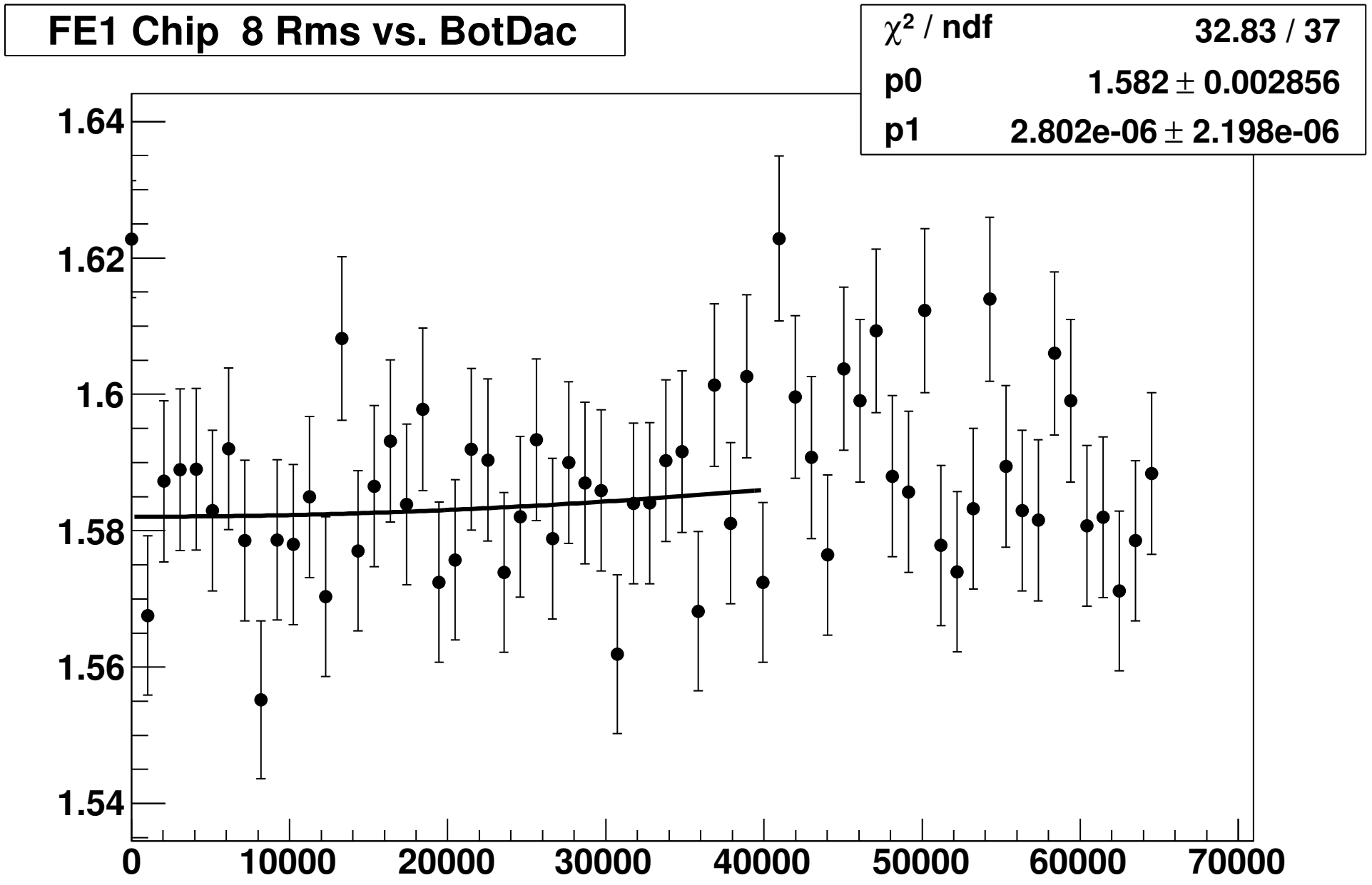
FE1 Chip 8 Rms vs. BotDac
χ² / ndf 32.83 / 37
p0 1.582 ± 0.002856
p1 2.802e-06 ± 2.198e-06
1.64
1.62
1.6
1.58
1.56
1.54
0
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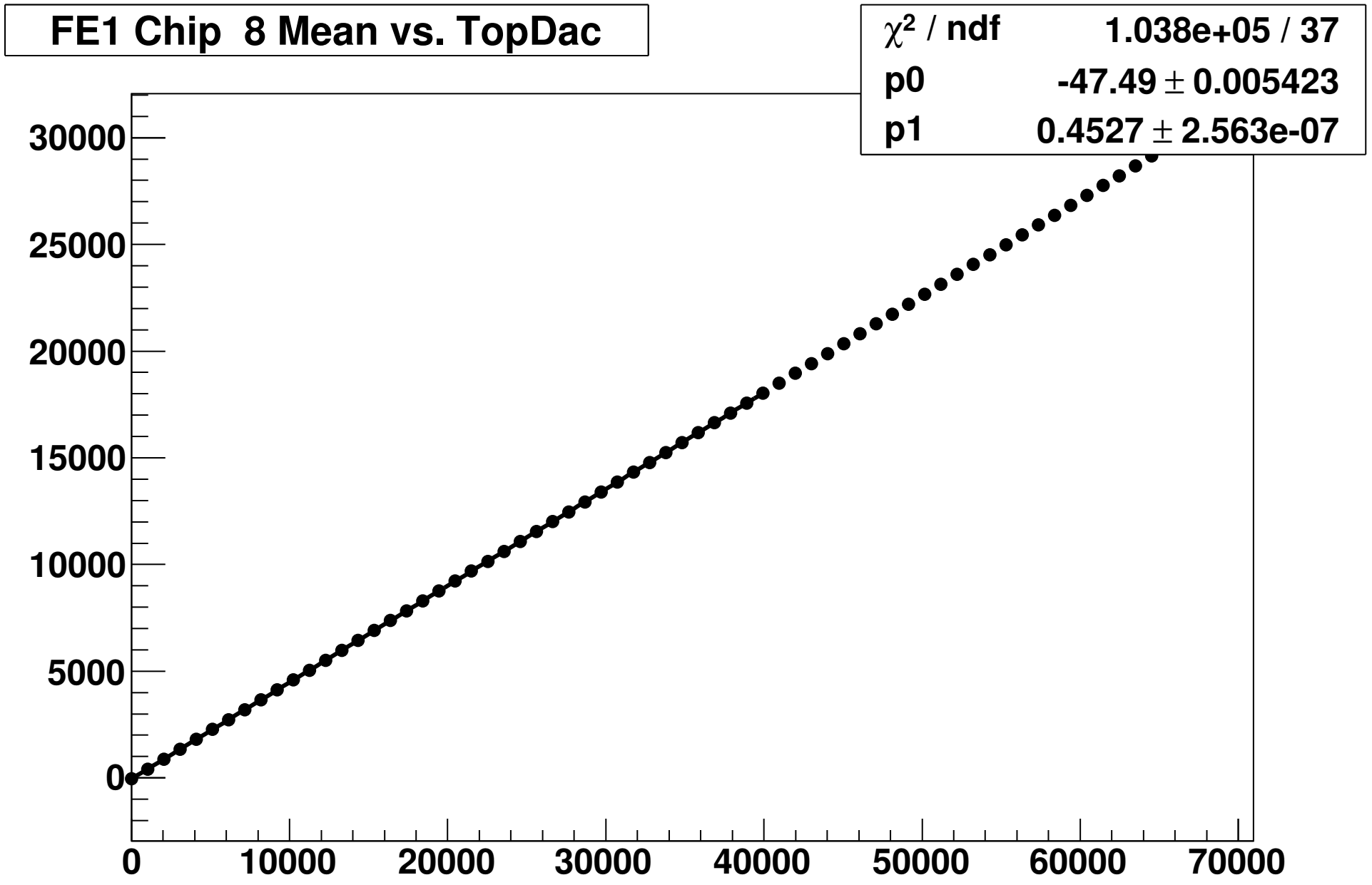
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.038e+05 / 37
p0 -47.49 ± 0.005423
p1 0.4527 ± 2.563e-07
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25000
20000
15000
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0
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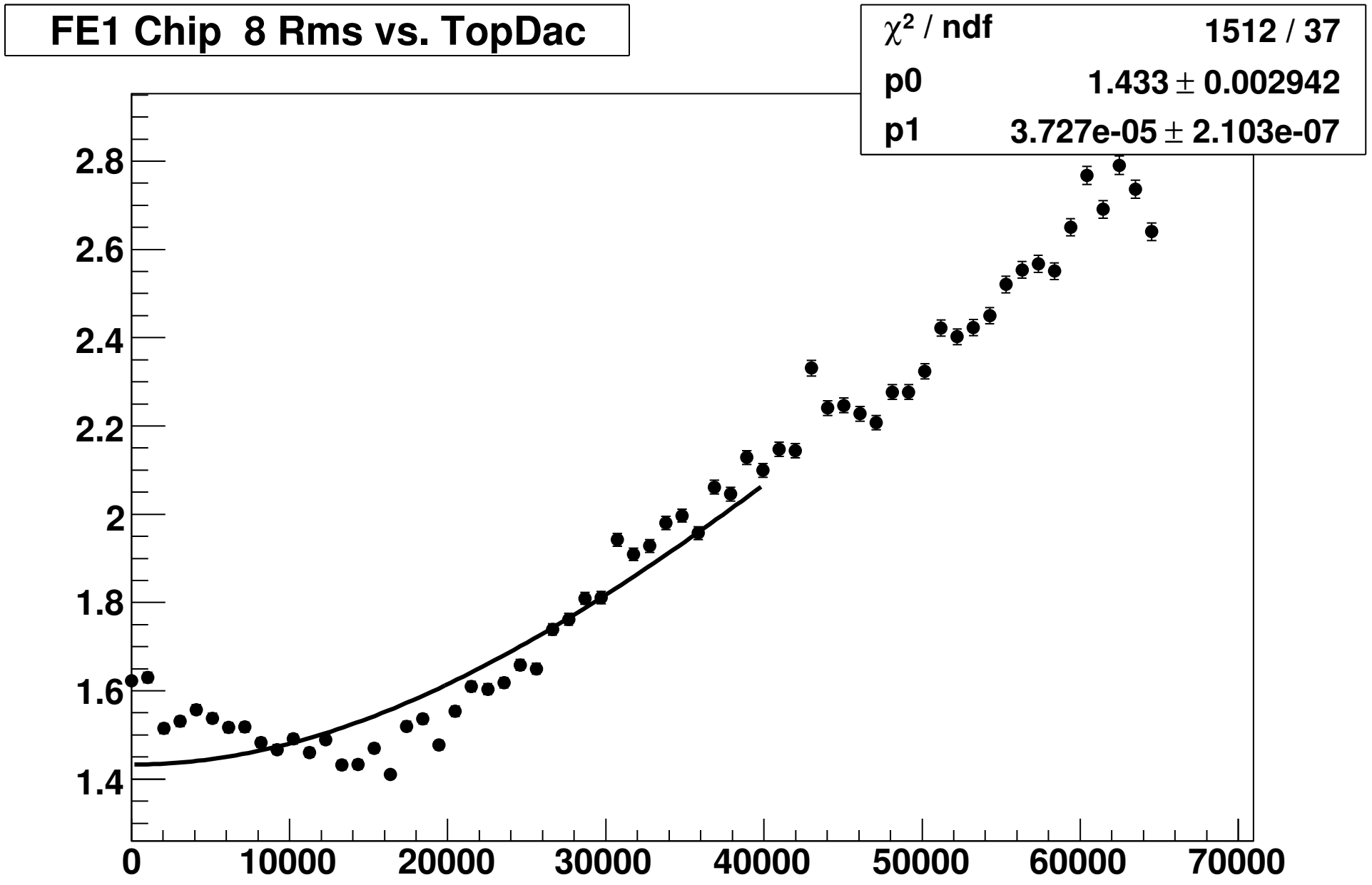
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1512 / 37
p0 1.433 ± 0.002942
p1 3.727e-05 ± 2.103e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
20000
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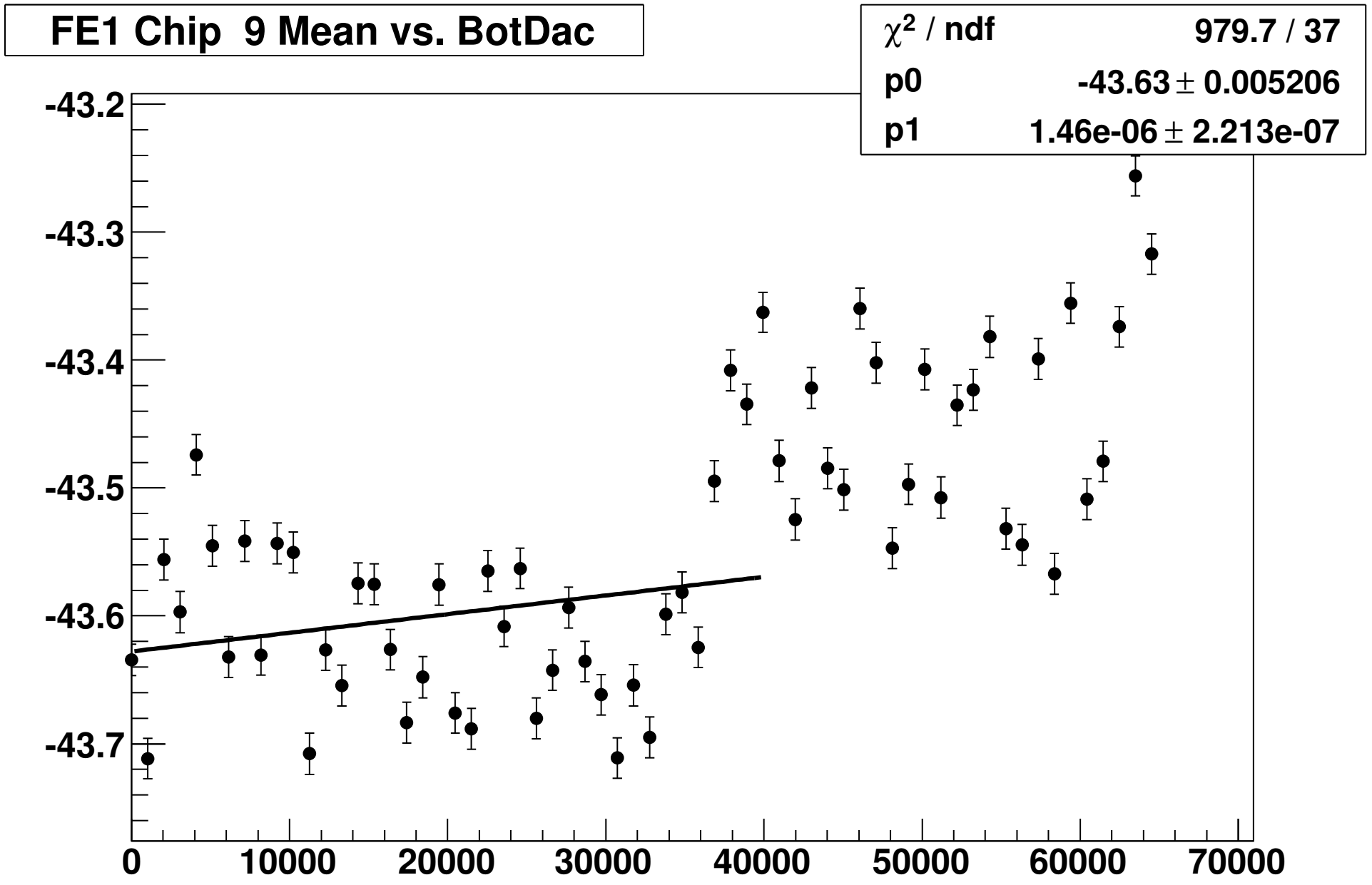
FE1 Chip 9 Mean vs. BotDac
χ² / ndf 979.7 / 37
p0 -43.63 ± 0.005206
p1 1.46e-06 ± 2.213e-07
-43.2
-43.3
-43.4
-43.5
-43.6
-43.7
0
10000
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30000
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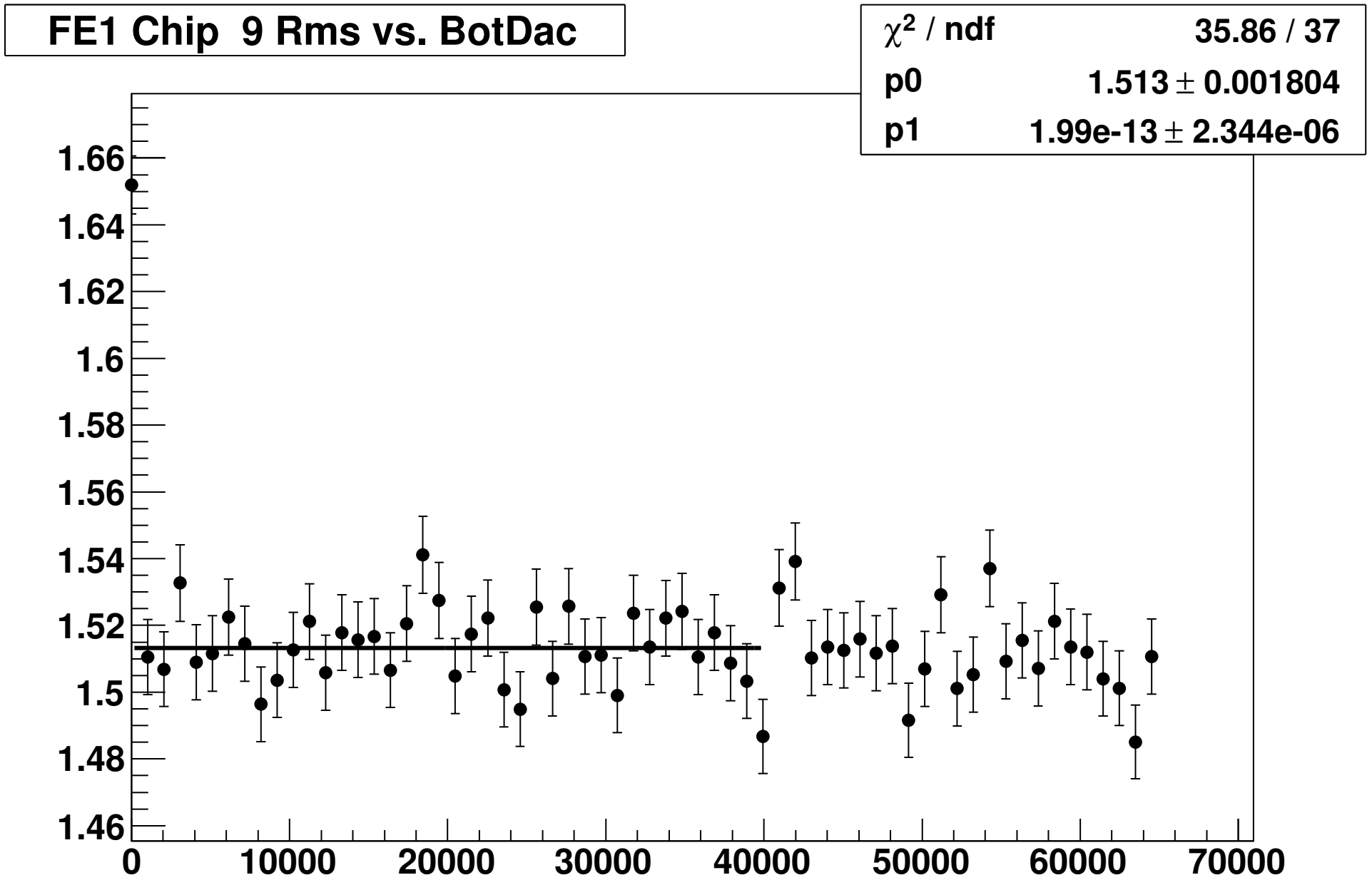
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 35.86 / 37
p0 1.513 ± 0.001804
p1 1.99e-13 ± 2.344e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
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10000
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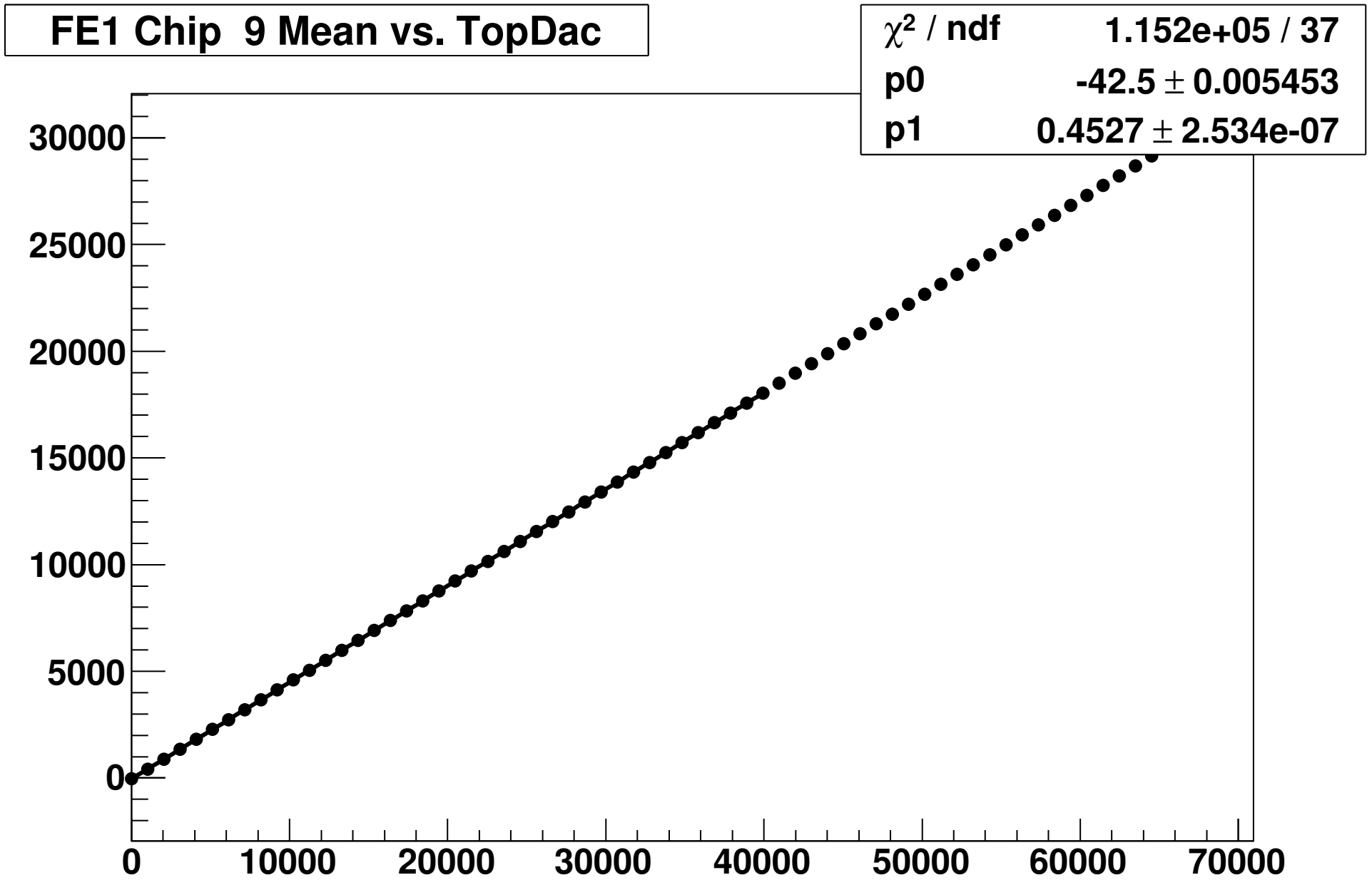
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.152e+05 / 37
p0 -42.5 ± 0.005453
p1 0.4527 ± 2.534e-07
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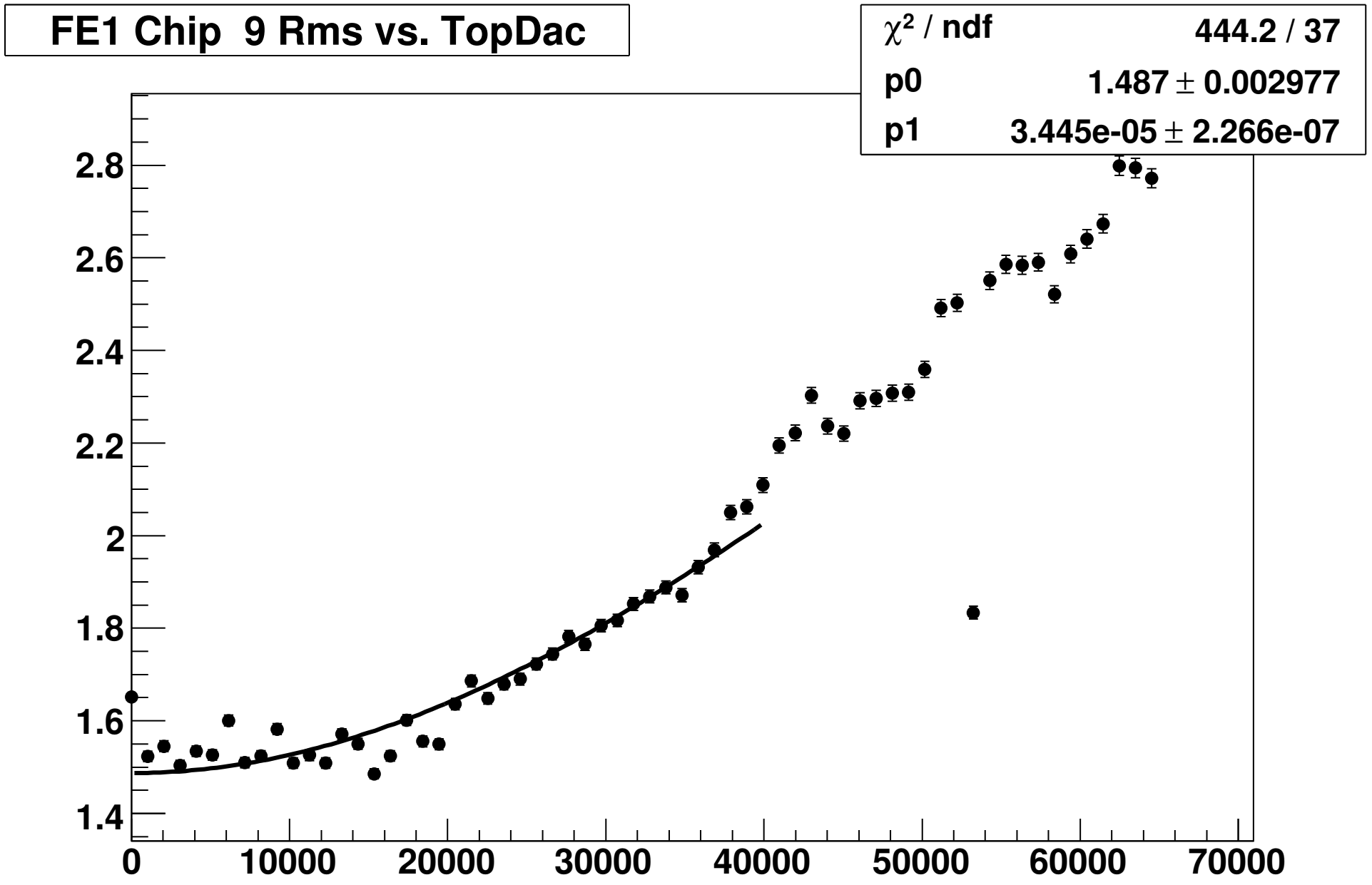
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 444.2 / 37
p0 1.487 ± 0.002977
p1 3.445e-05 ± 2.266e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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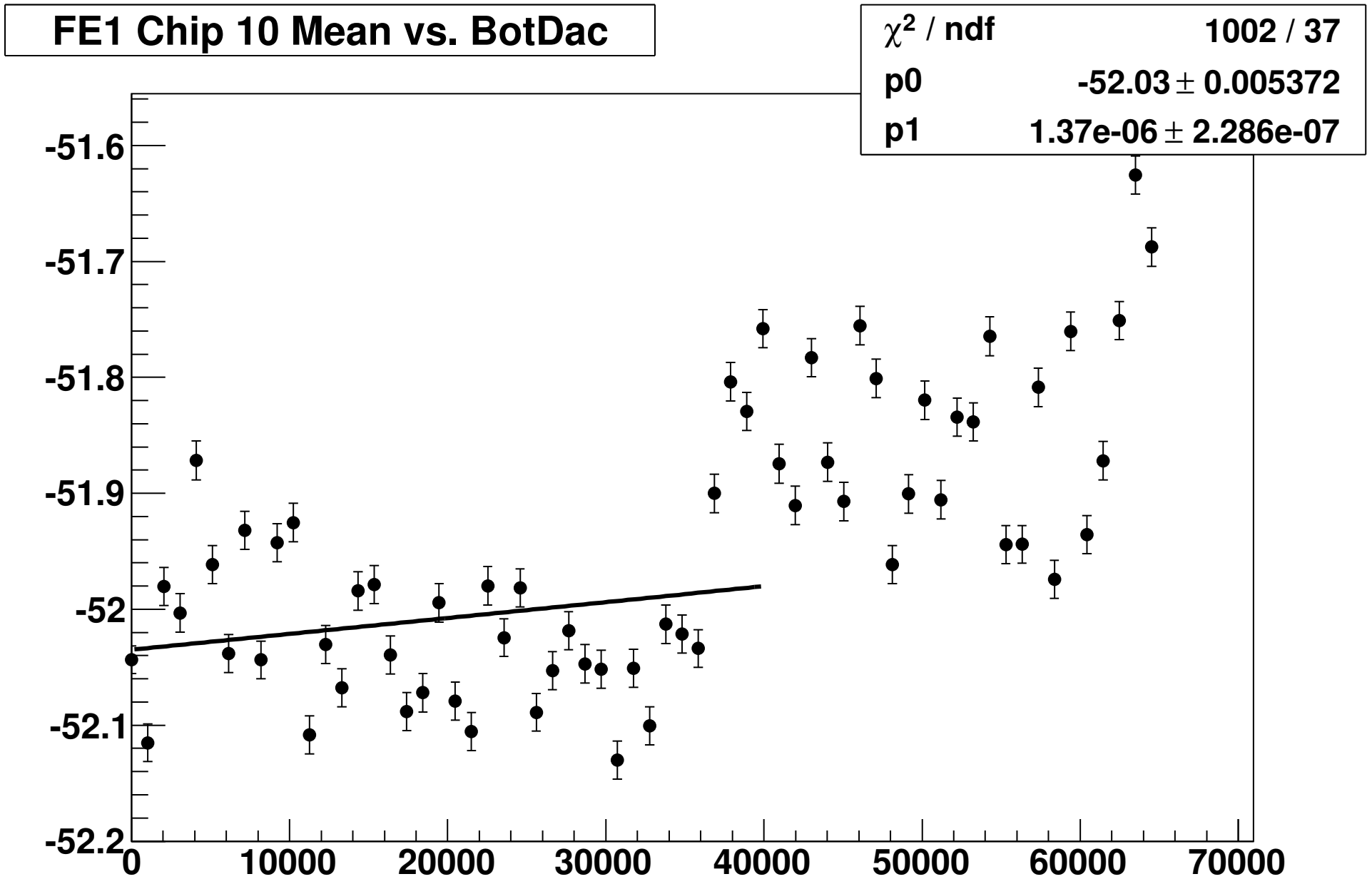
FE1 Chip 10 Mean vs. BotDac
χ² / ndf 1002 / 37
p0 -52.03 ± 0.005372
p1 1.37e-06 ± 2.286e-07
-51.6
-51.7
-51.8
-51.9
-52
-52.1
-52.2
0
10000
20000
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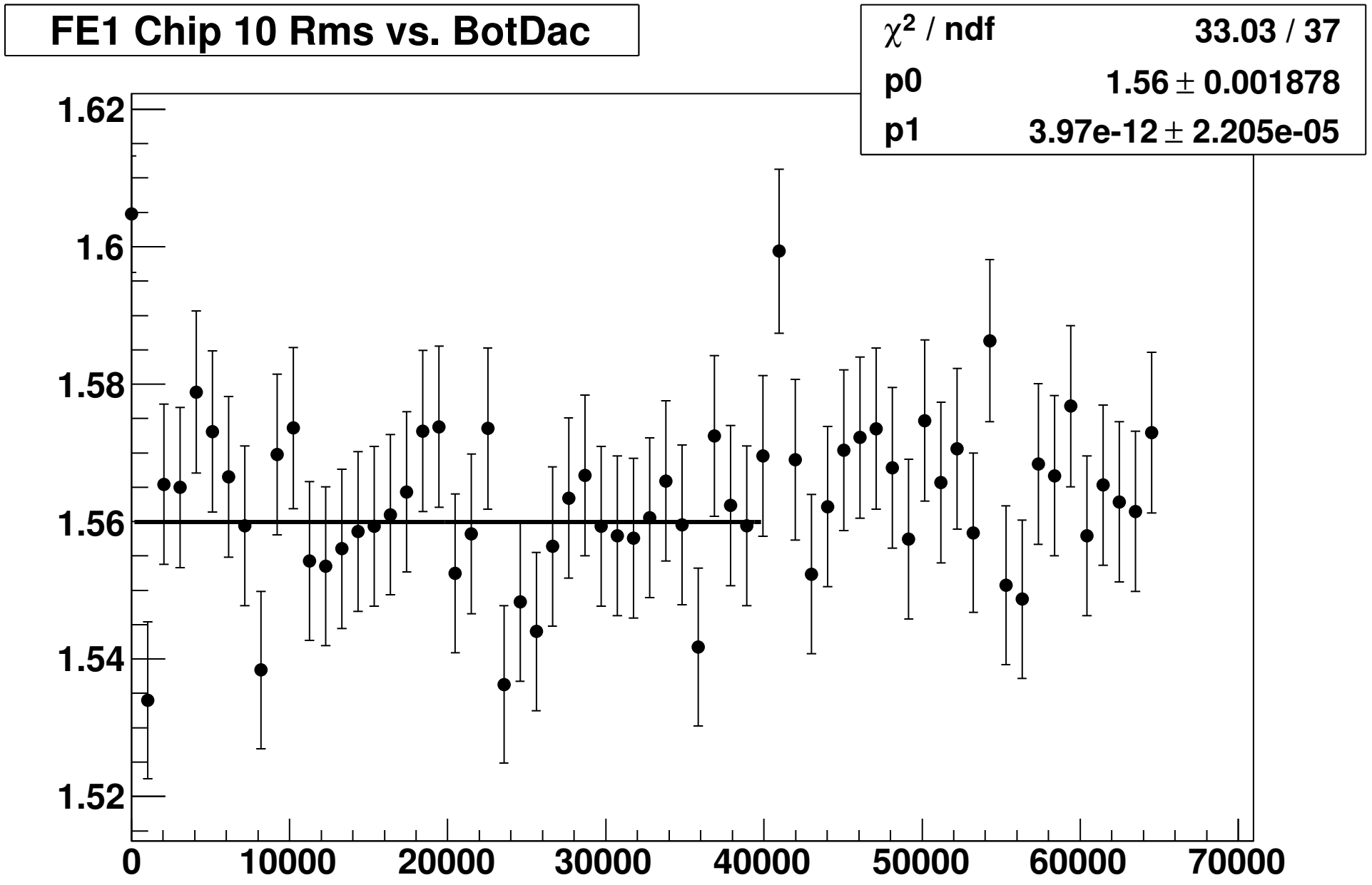
FE1 Chip 10 Rms vs. BotDac
χ² / ndf 33.03 / 37
p0 1.56 ± 0.001878
p1 3.97e-12 ± 2.205e-05
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
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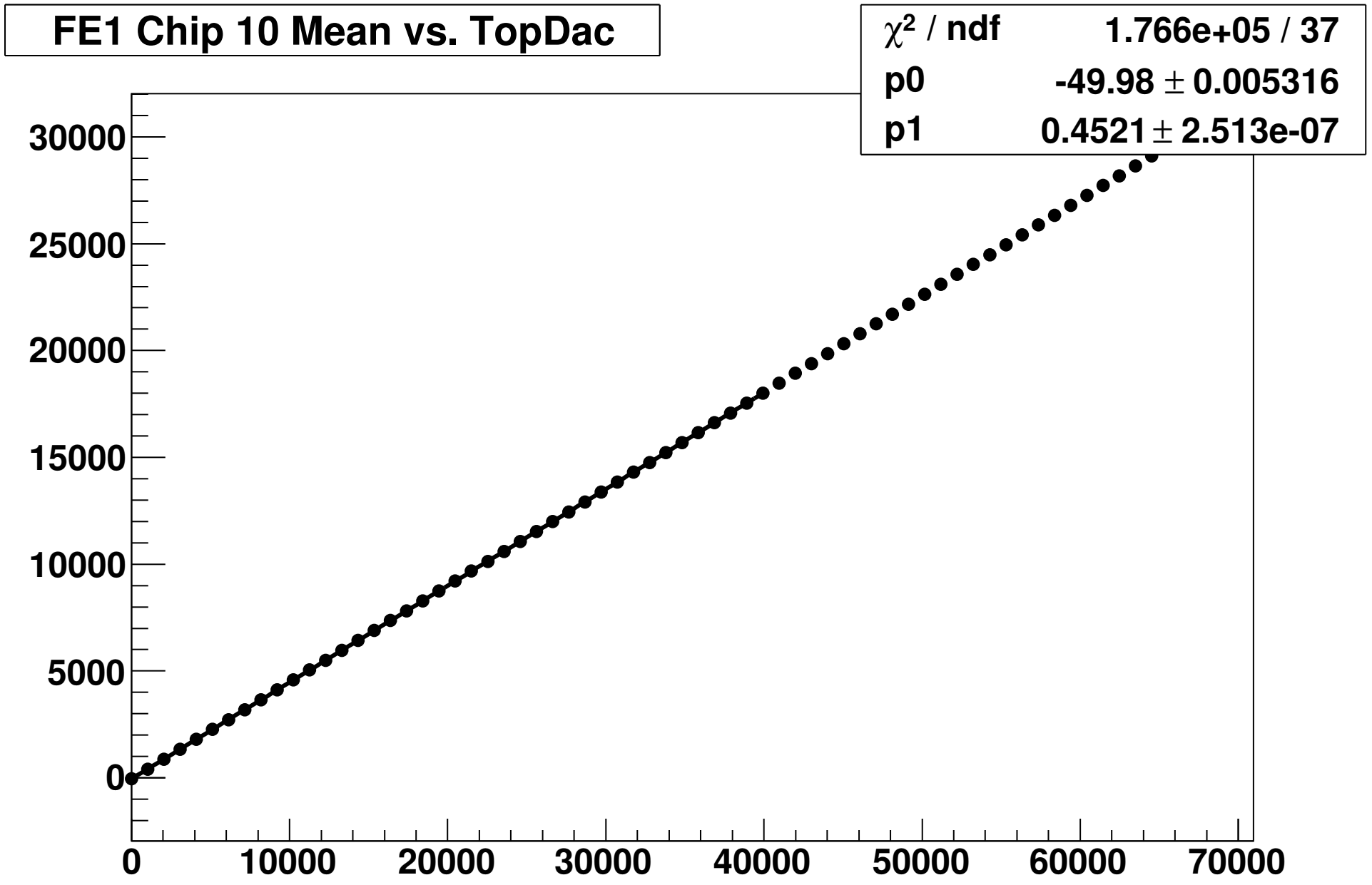
FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.766e+05 / 37
p0 -49.98 ± 0.005316
p1 0.4521 ± 2.513e-07
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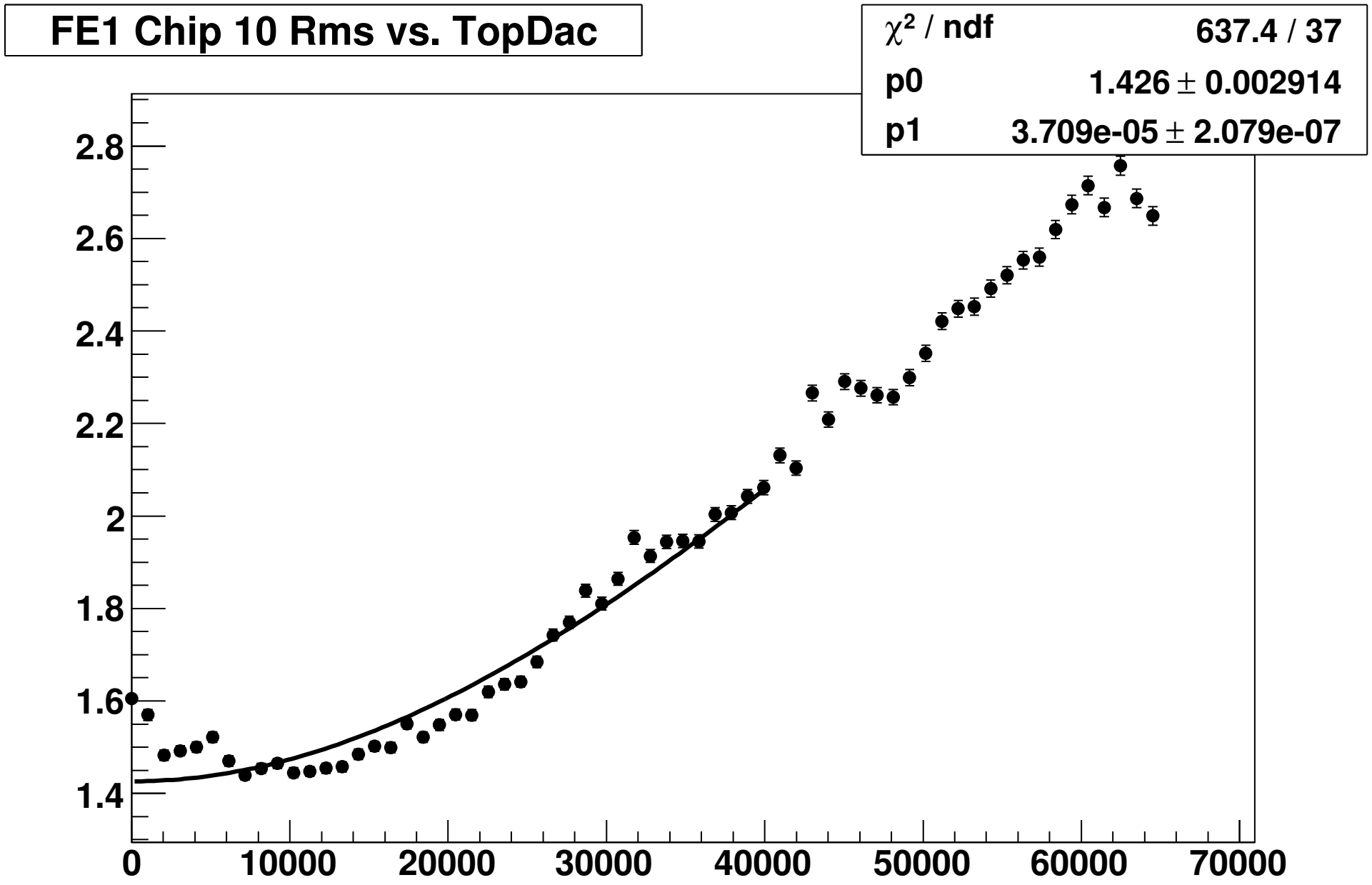
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 637.4 / 37
p0 1.426 ± 0.002914
p1 3.709e-05 ± 2.079e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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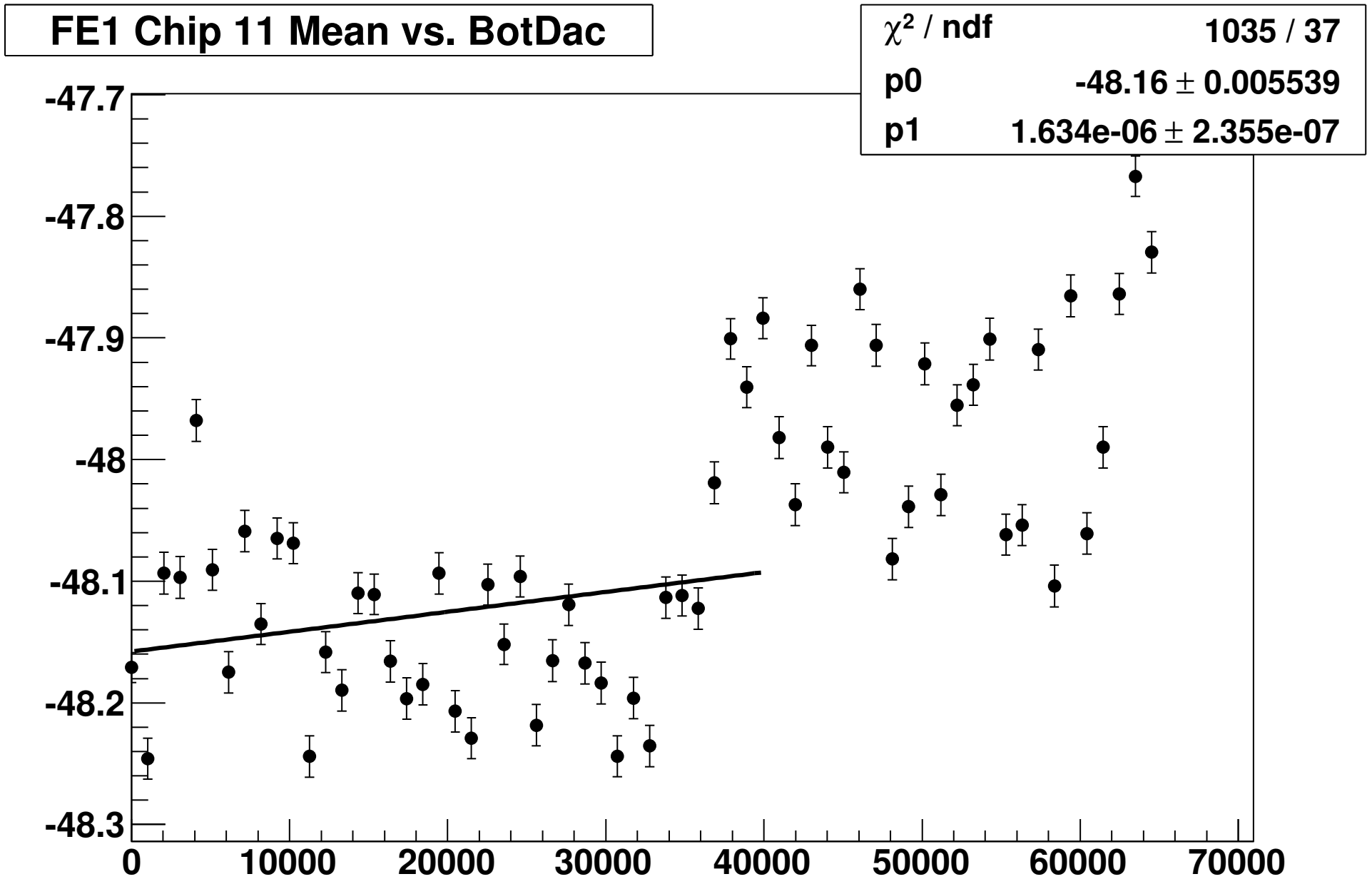
FE1 Chip 11 Mean vs. BotDac
χ² / ndf 1035 / 37
p0 -48.16 ± 0.005539
p1 1.634e-06 ± 2.355e-07
-47.7
-47.8
-47.9
-48
-48.1
-48.2
-48.3
0
10000
20000
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40000
50000
60000
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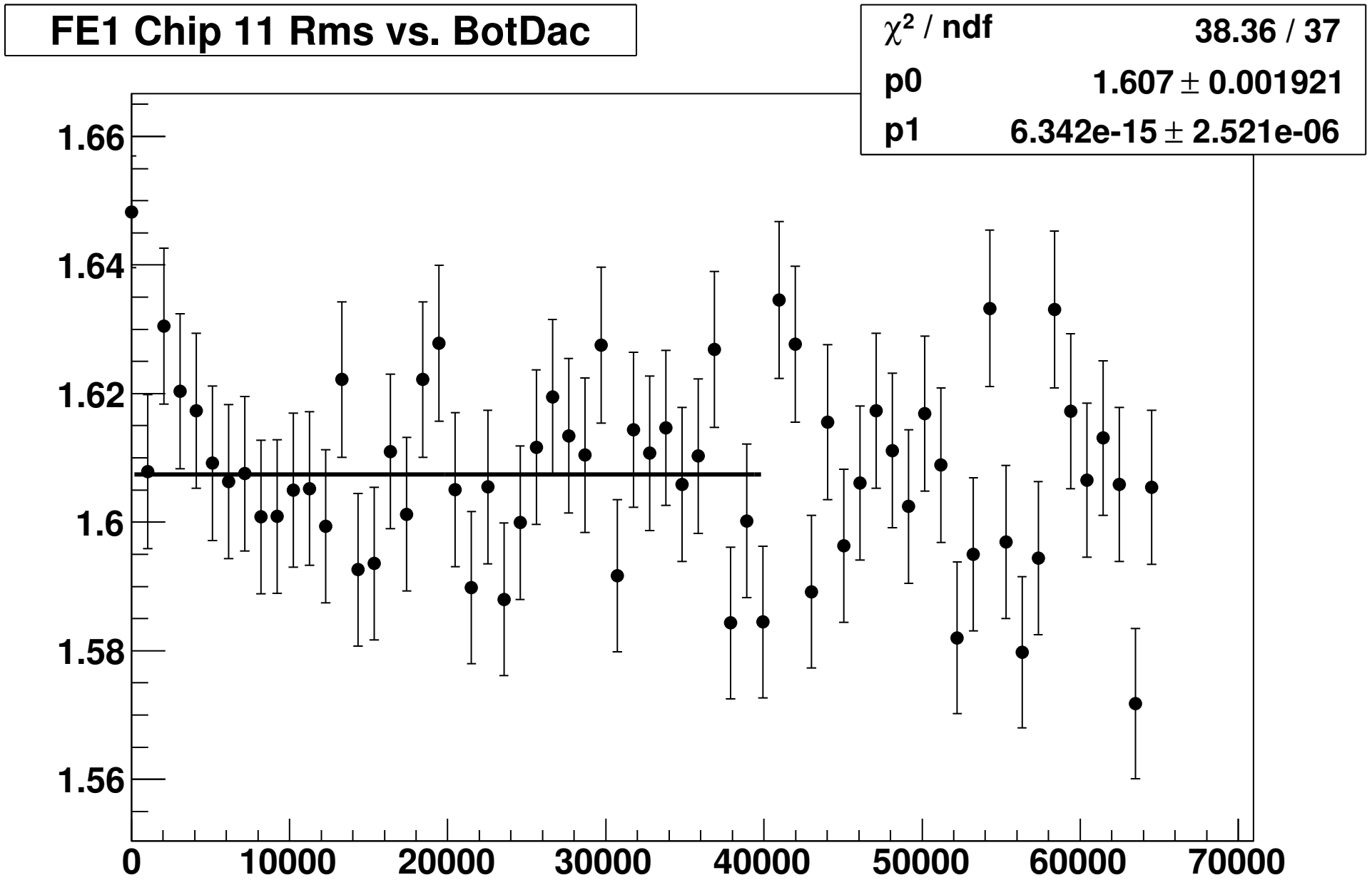
FE1 Chip 11 Rms vs. BotDac
χ² / ndf 38.36 / 37
p0 1.607 ± 0.001921
p1 6.342e-15 ± 2.521e-06
1.66
1.64
1.62
1.6
1.58
1.56
0
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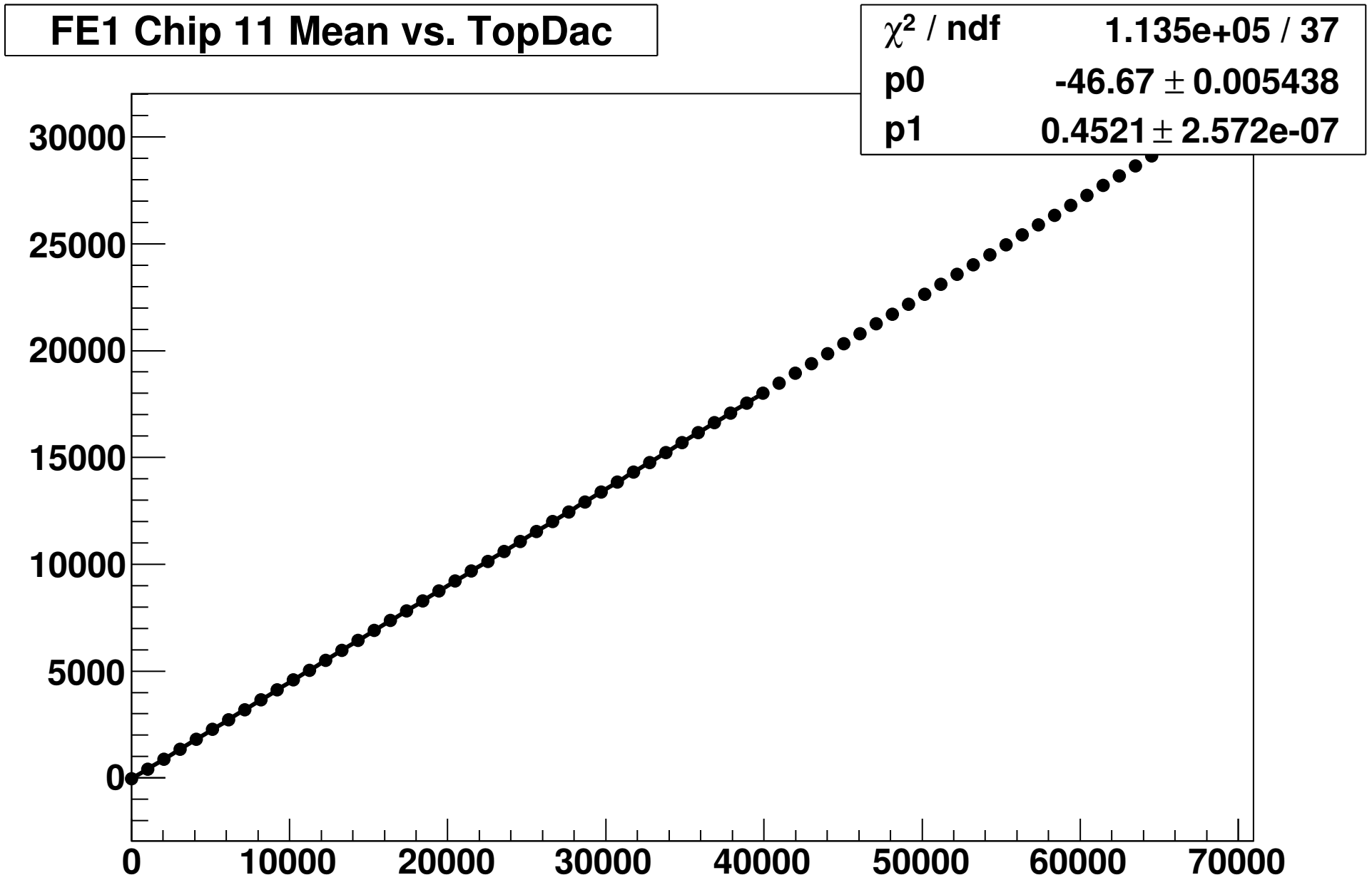
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.135e+05 / 37
p0 -46.67 ± 0.005438
p1 0.4521 ± 2.572e-07
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25000
20000
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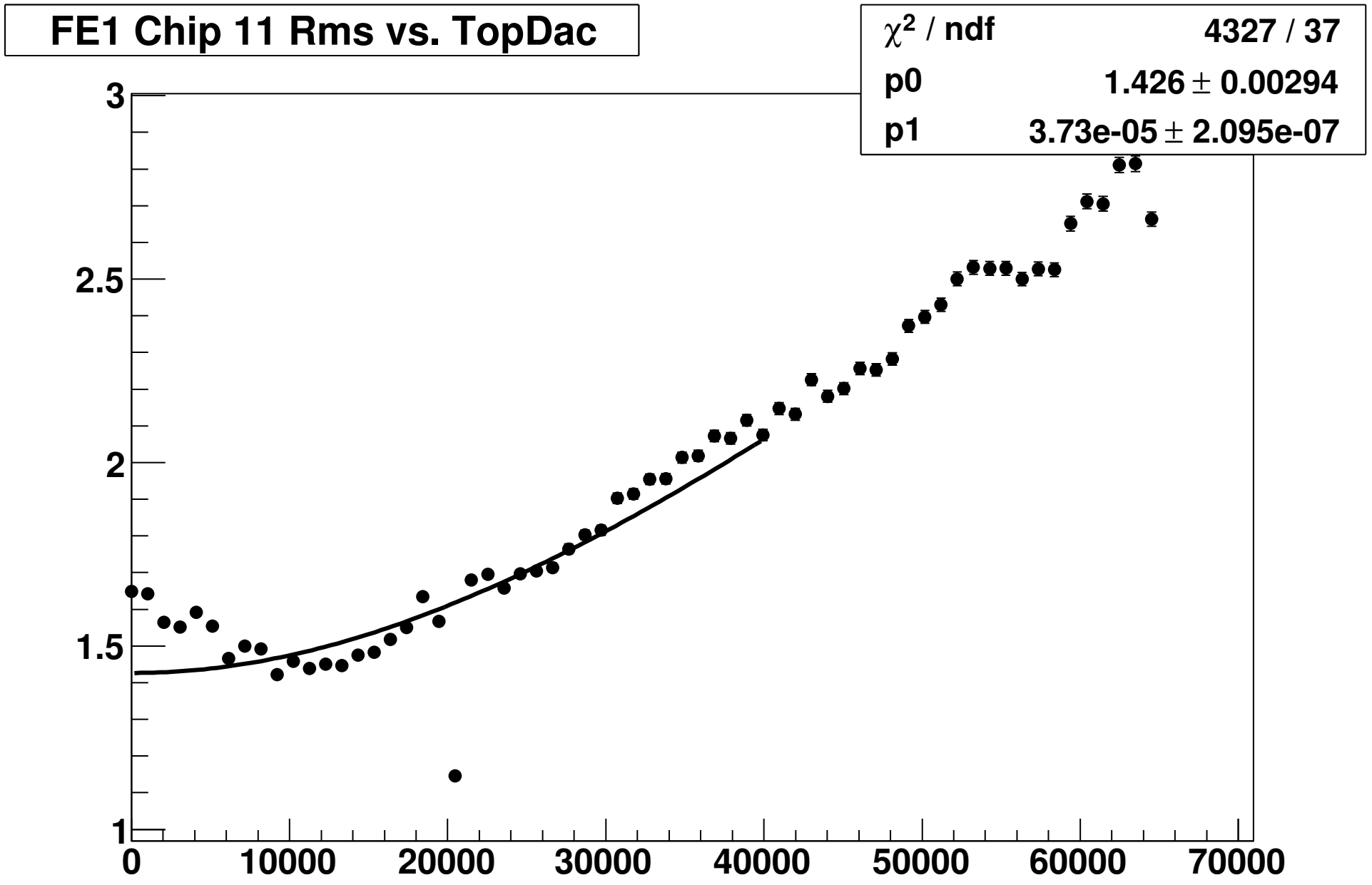
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 4327 / 37
p0 1.426 ± 0.00294
p1 3.73e-05 ± 2.095e-07
3
2.5
2
1.5
1
0
10000
20000
30000
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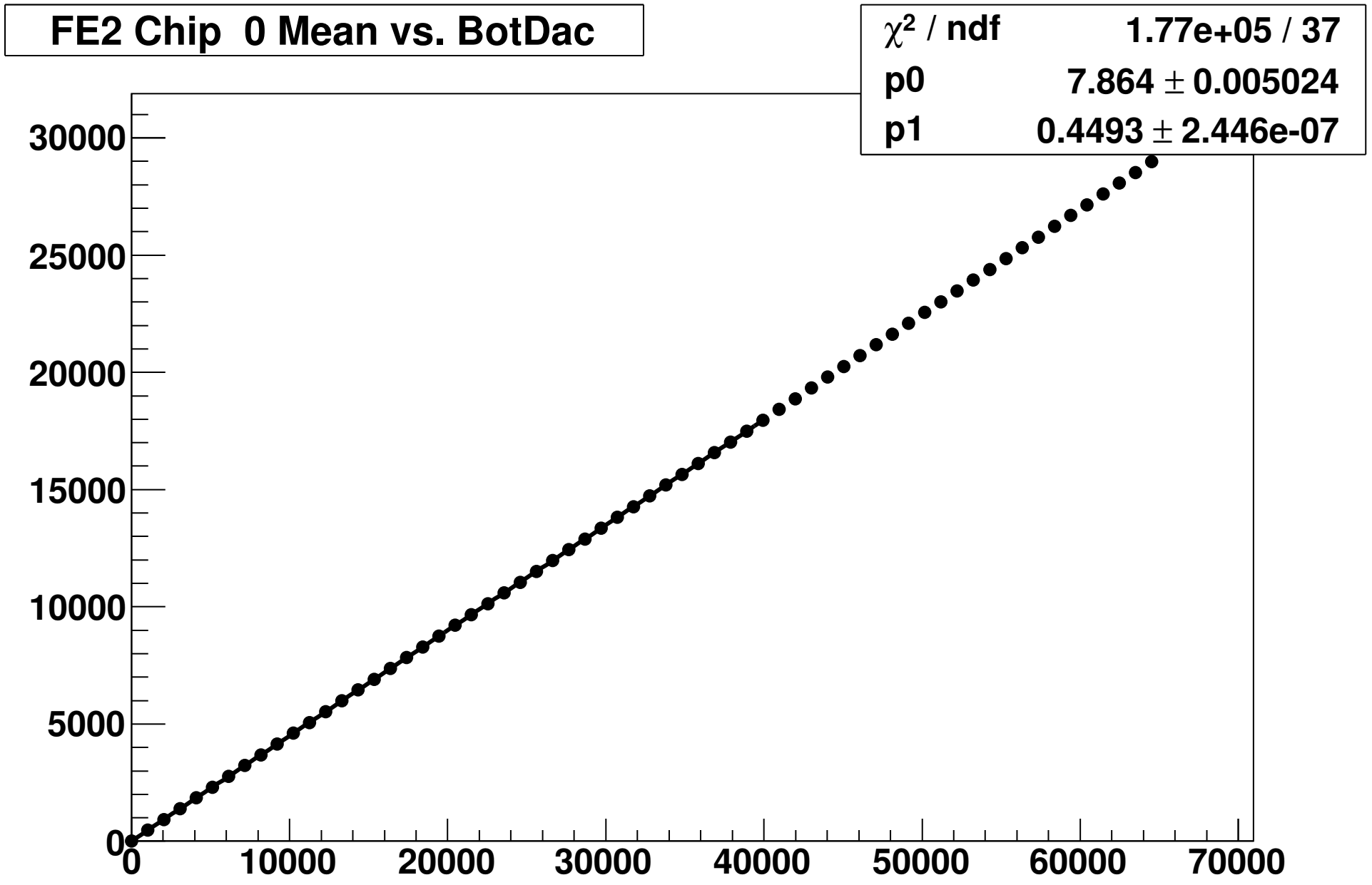
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.77e+05 / 37
p0 7.864 ± 0.005024
p1 0.4493 ± 2.446e-07
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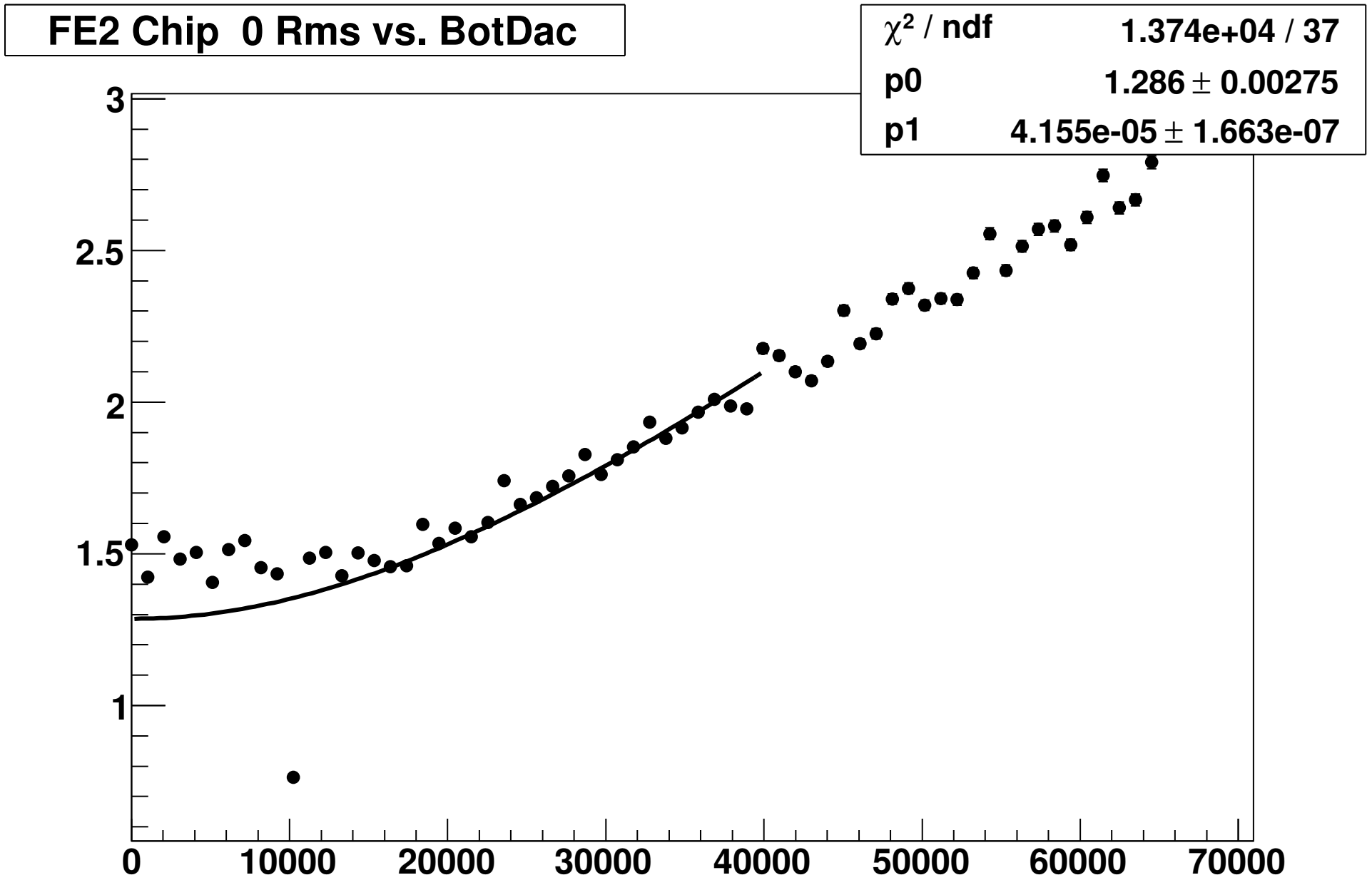
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 1.374e+04 / 37
p0 1.286 ± 0.00275
p1 4.155e-05 ± 1.663e-07
3
2.5
2
1.5
1
0
10000
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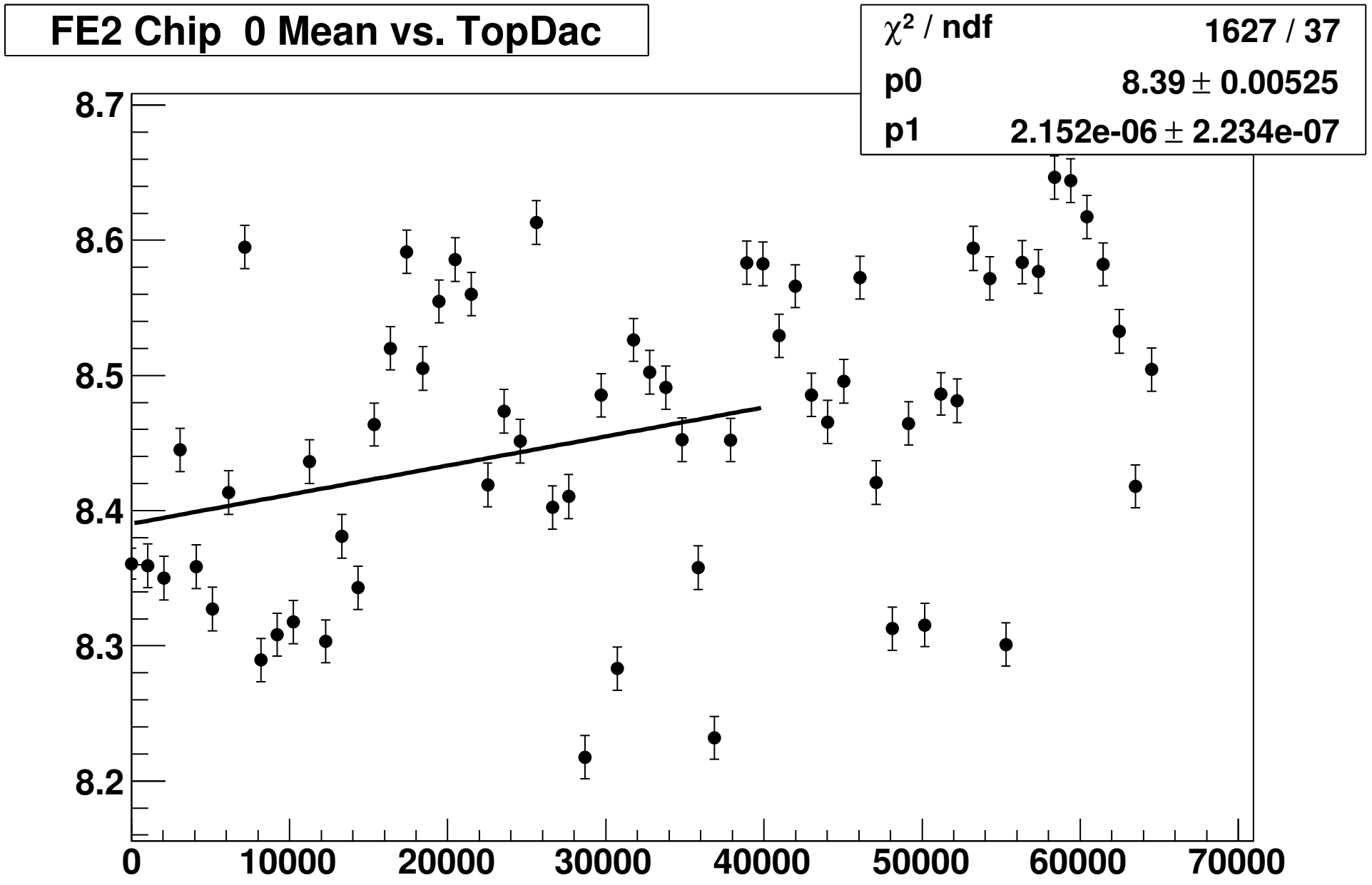
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 1627 / 37
p0 8.39 ± 0.00525
p1 2.152e-06 ± 2.234e-07
8.7
8.6
8.5
8.4
8.3
8.2
0
10000
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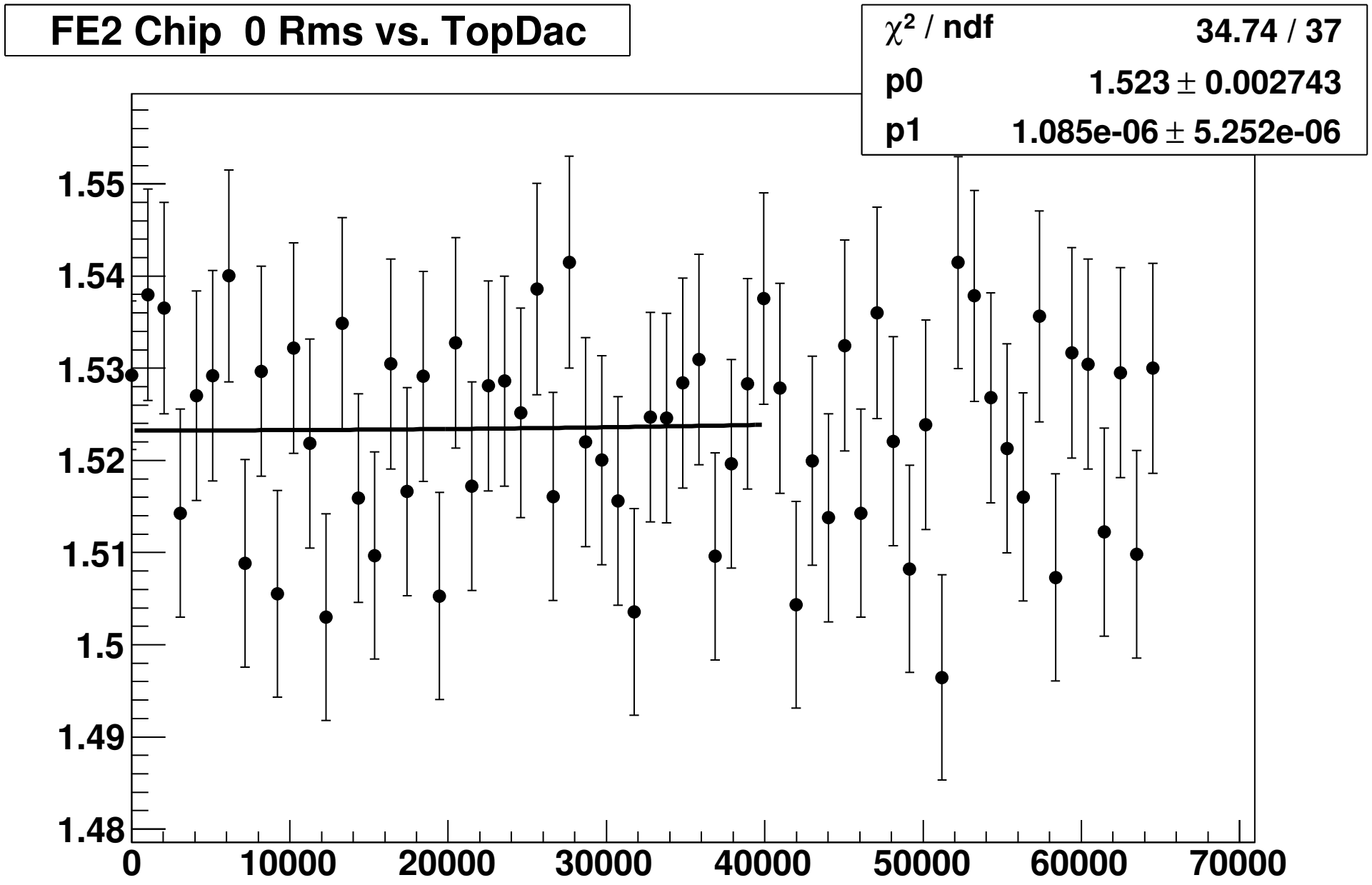
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 34.74 / 37
p0 1.523 ± 0.002743
p1 1.085e-06 ± 5.252e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
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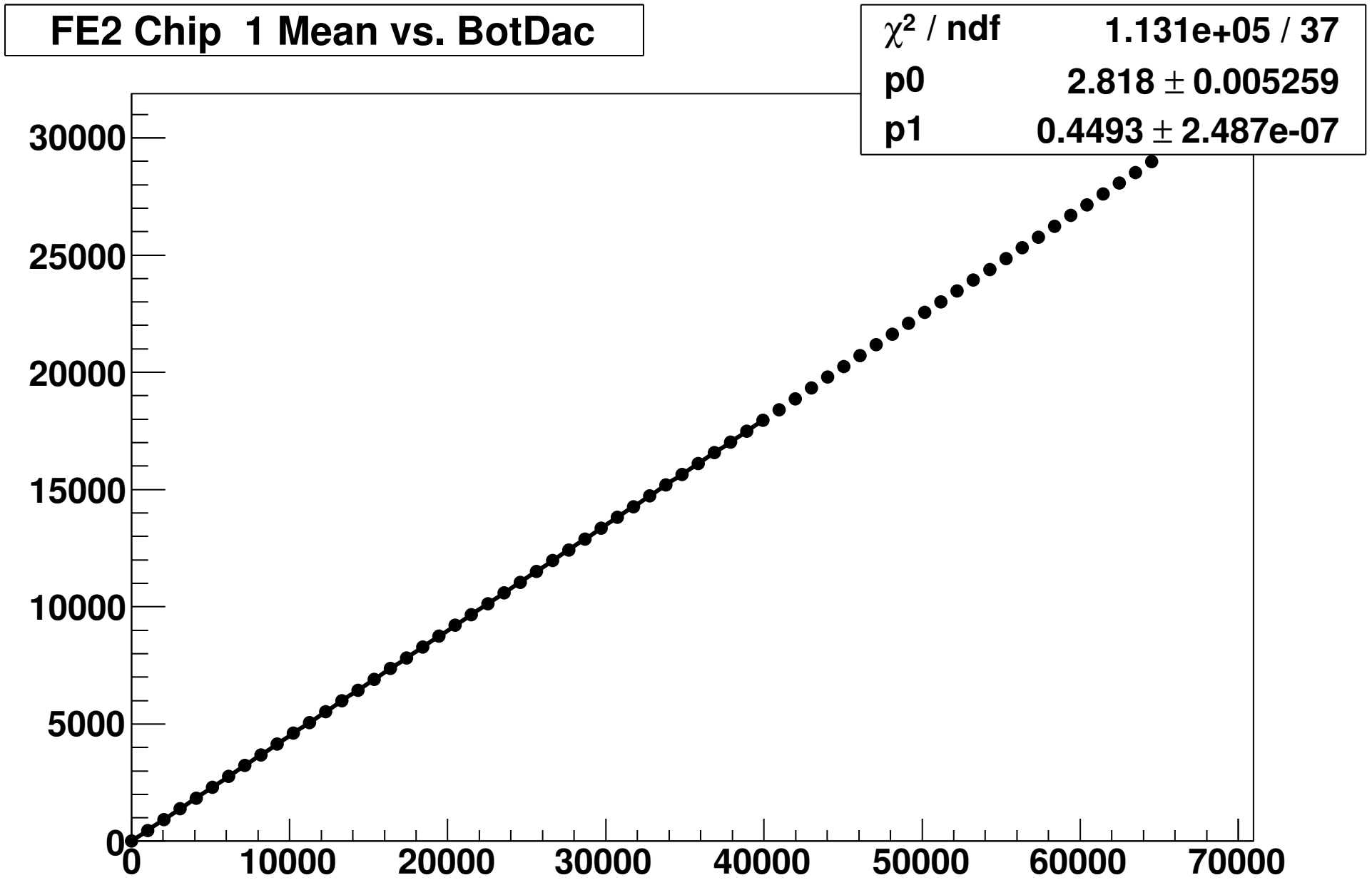
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.131e+05 / 37
p0 2.818 ± 0.005259
p1 0.4493 ± 2.487e-07
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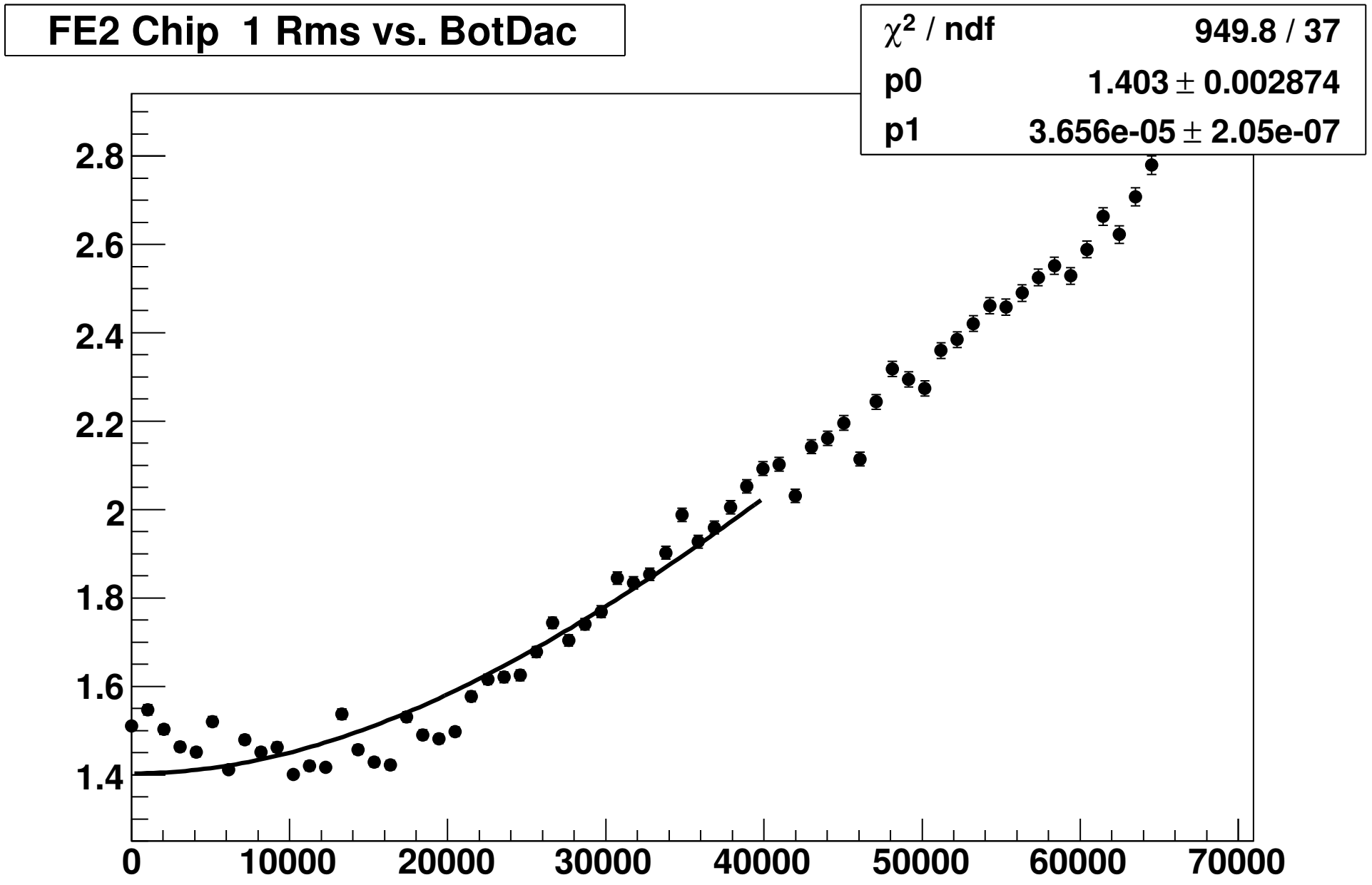
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 949.8 / 37
p0 1.403 ± 0.002874
p1 3.656e-05 ± 2.05e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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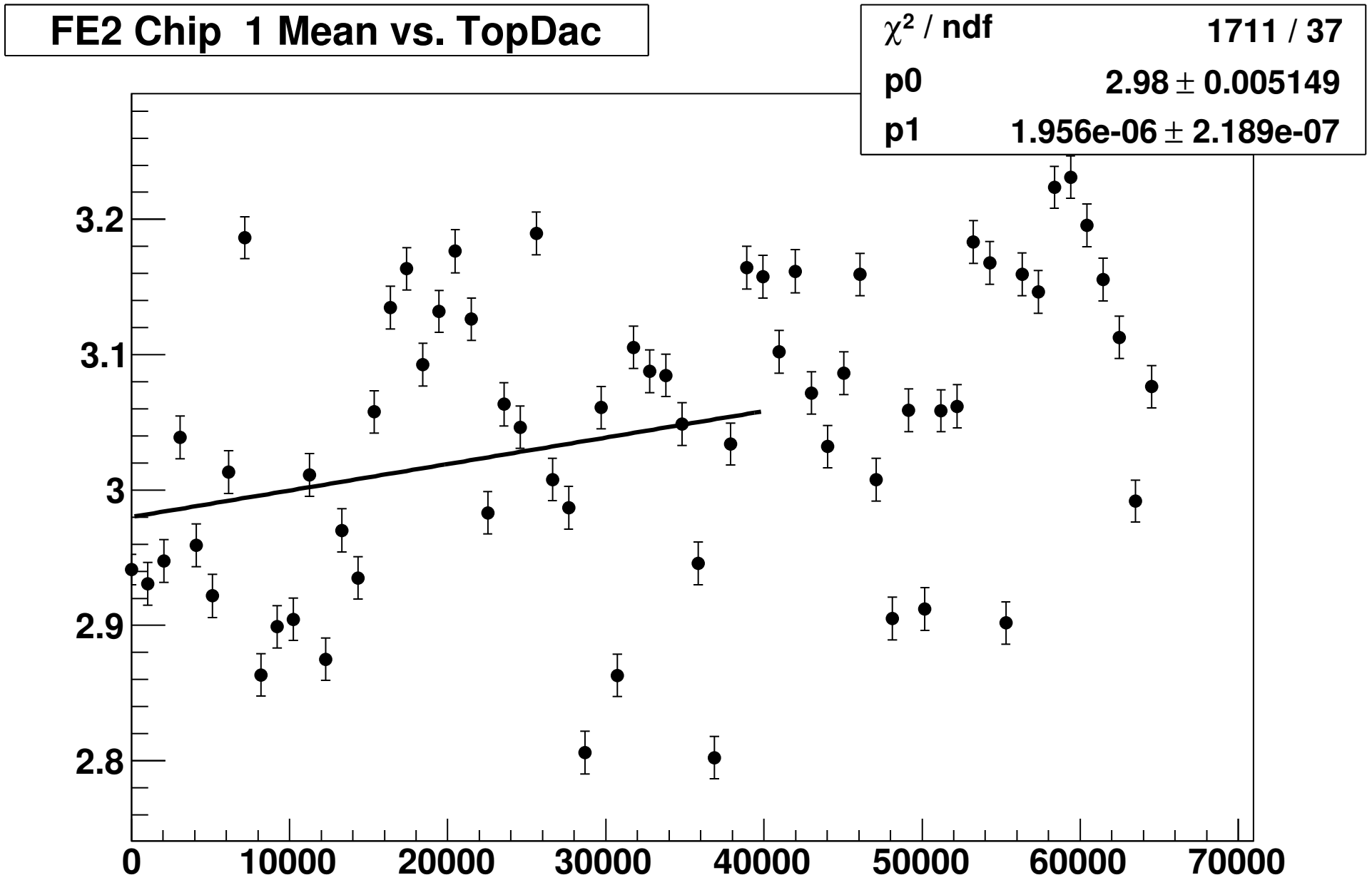
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 1711 / 37
p0 2.98 ± 0.005149
p1 1.956e-06 ± 2.189e-07
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3.1
3
2.9
2.8
0
10000
20000
30000
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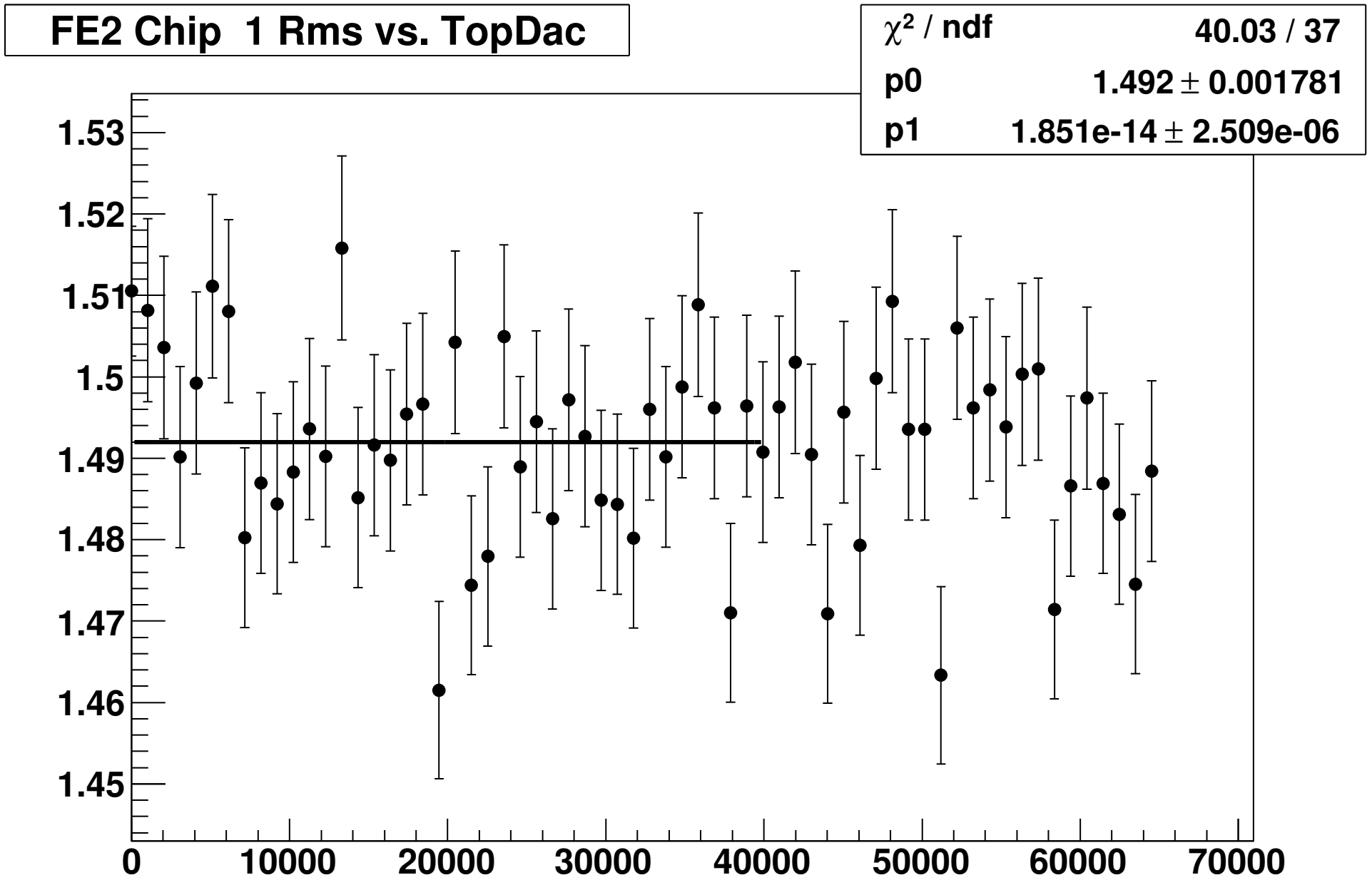
50000
60000
70000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 40.03 / 37
p0 1.492 ± 0.001781
p1 1.851e-14 ± 2.509e-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
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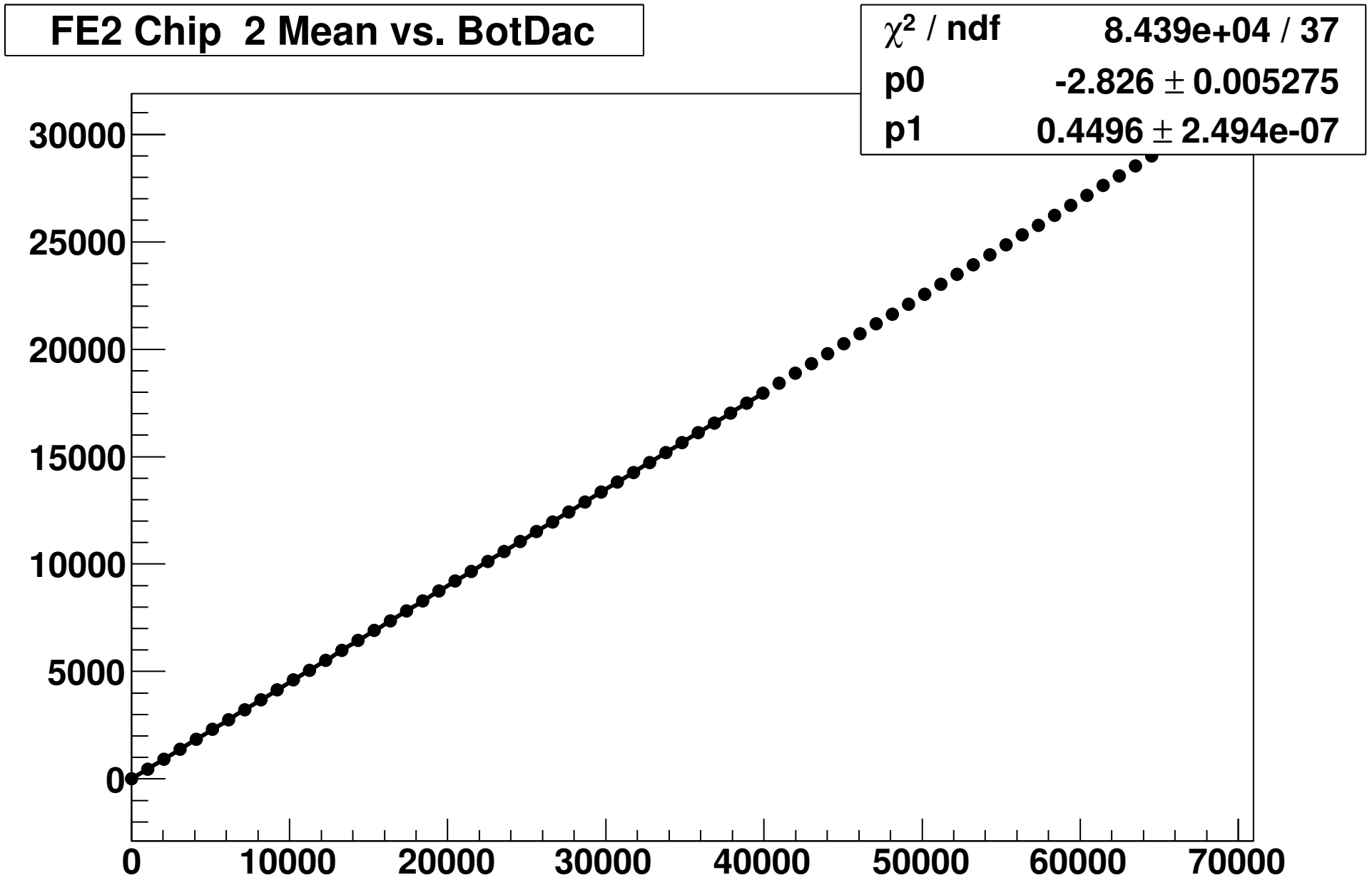
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 8.439e+04 / 37
p0 -2.826 ± 0.005275
p1 0.4496 ± 2.494e-07
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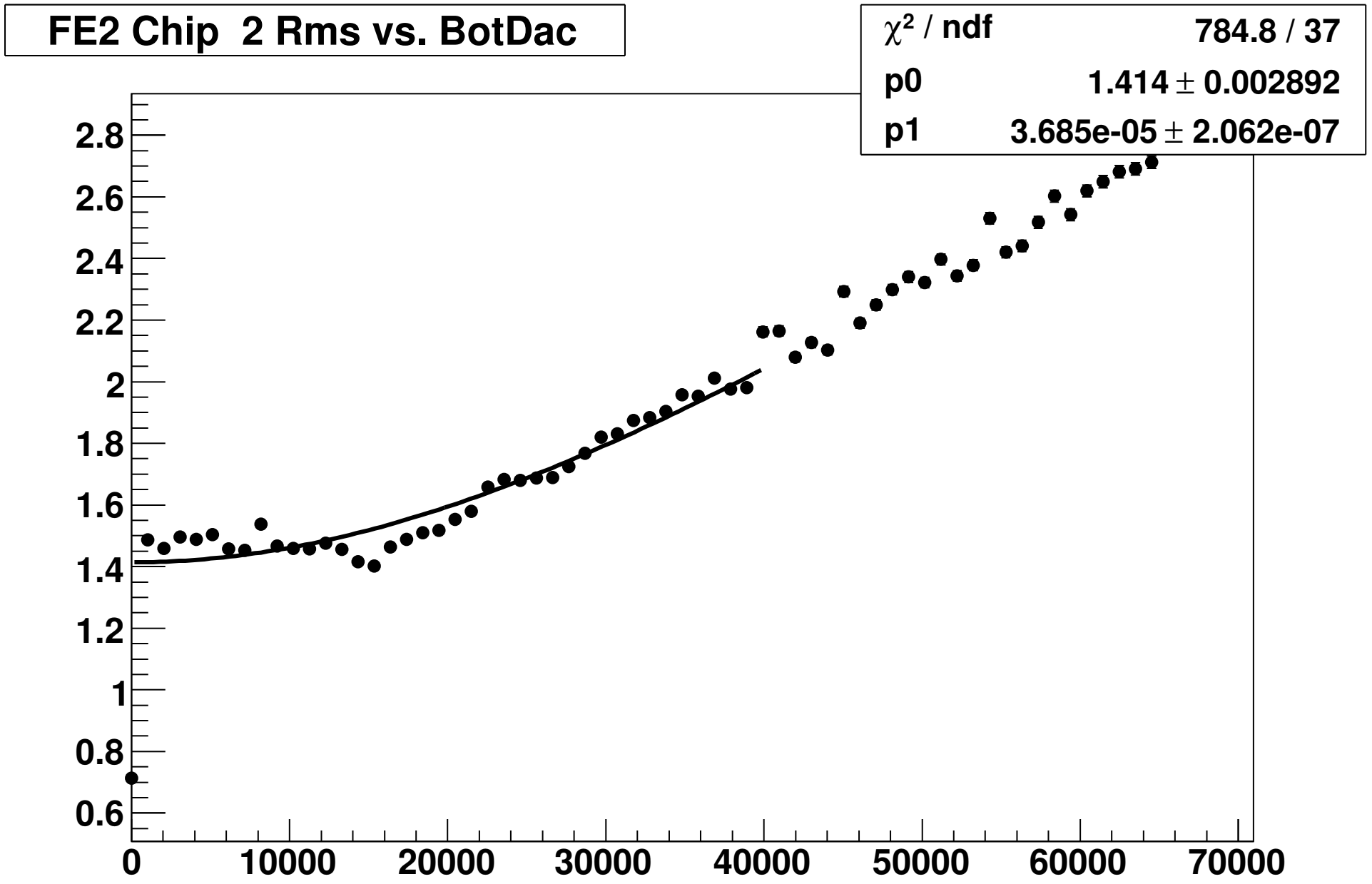
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 784.8 / 37
p0 1.414 ± 0.002892
p1 3.685e-05 ± 2.062e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
10000
20000
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60000
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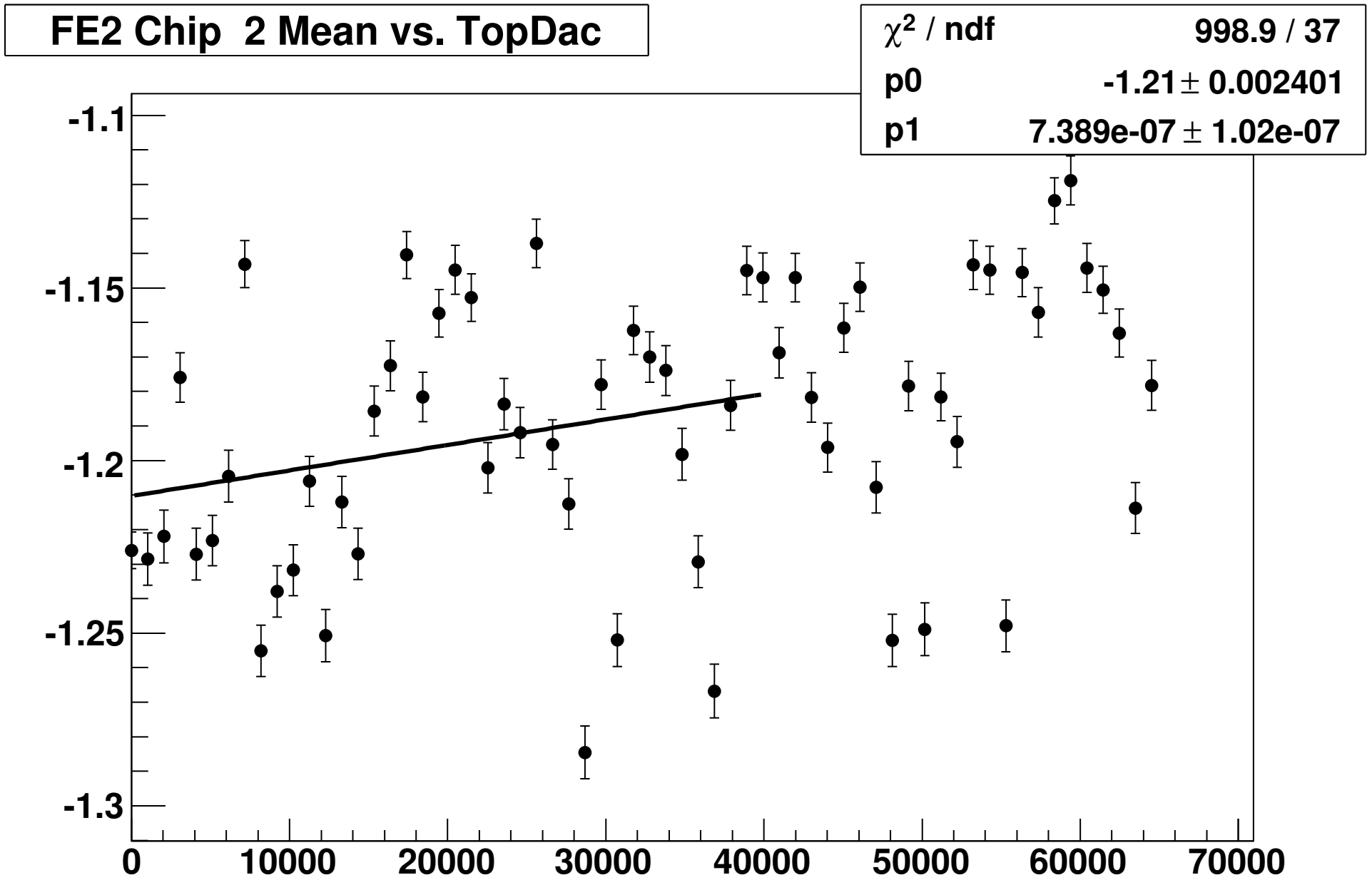
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 998.9 / 37
p0 -1.21 ± 0.002401
p1 7.389e-07 ± 1.02e-07
-1.1
-1.15
-1.2
-1.25
-1.3
0
10000
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30000
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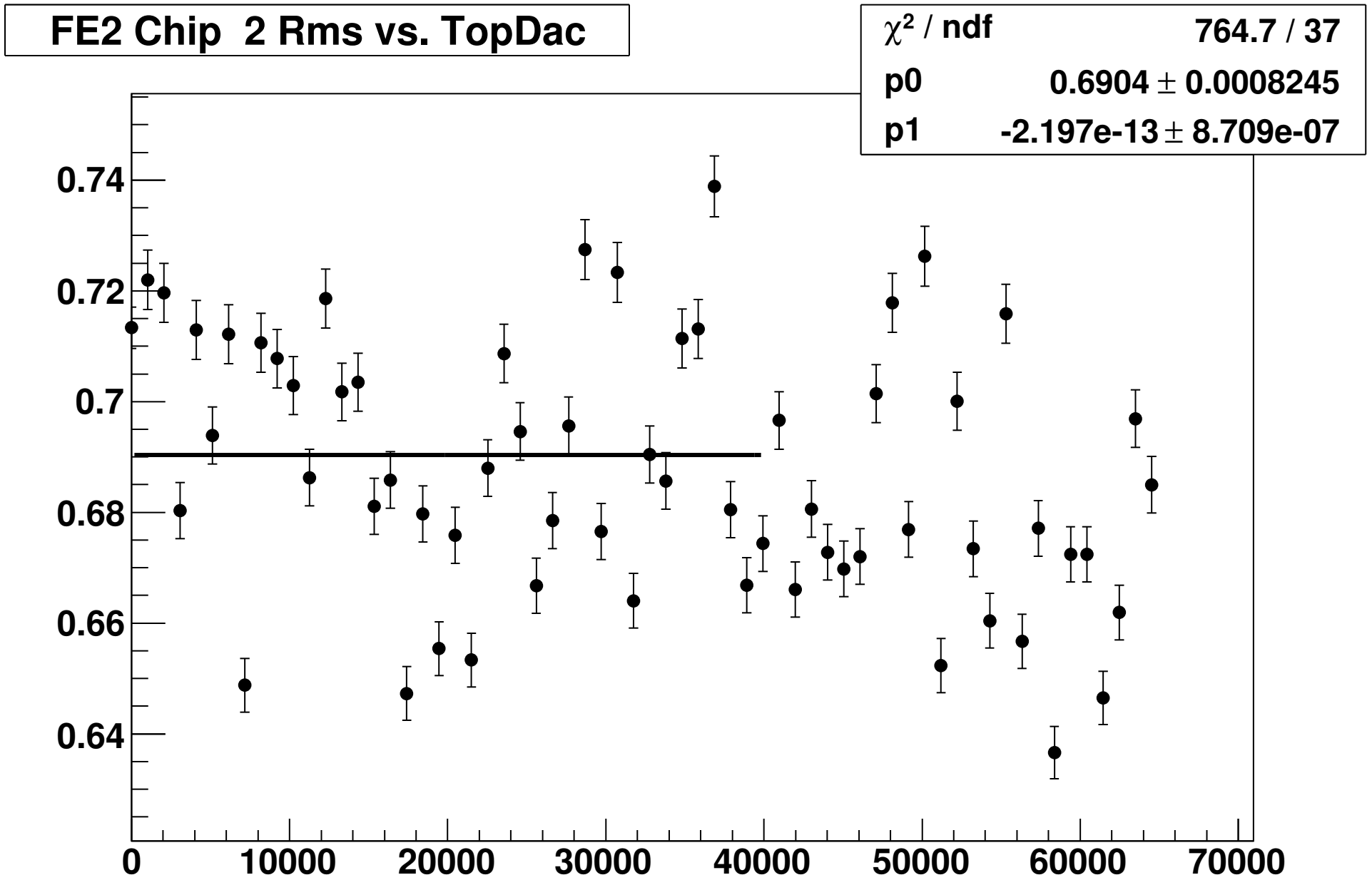
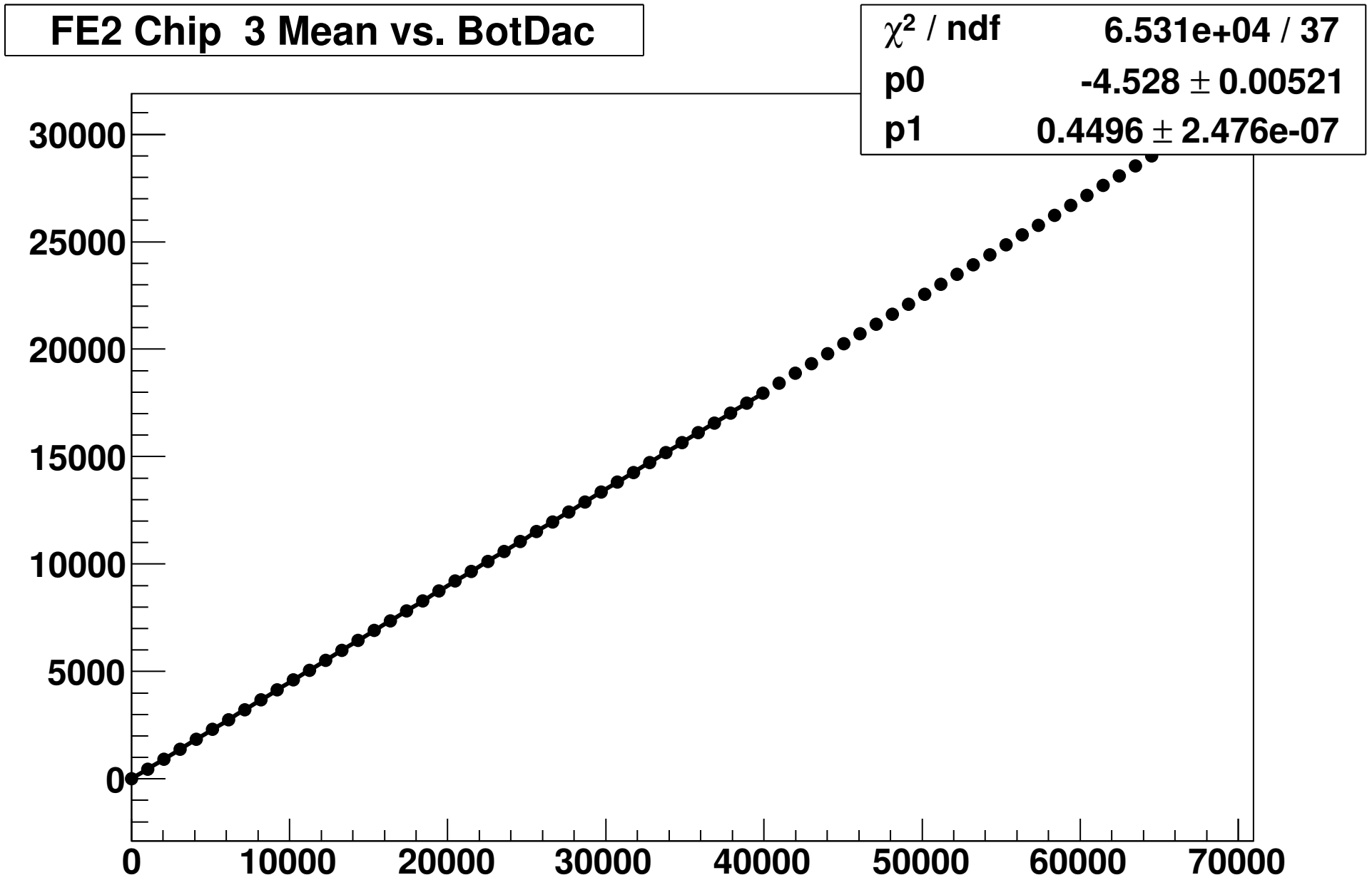
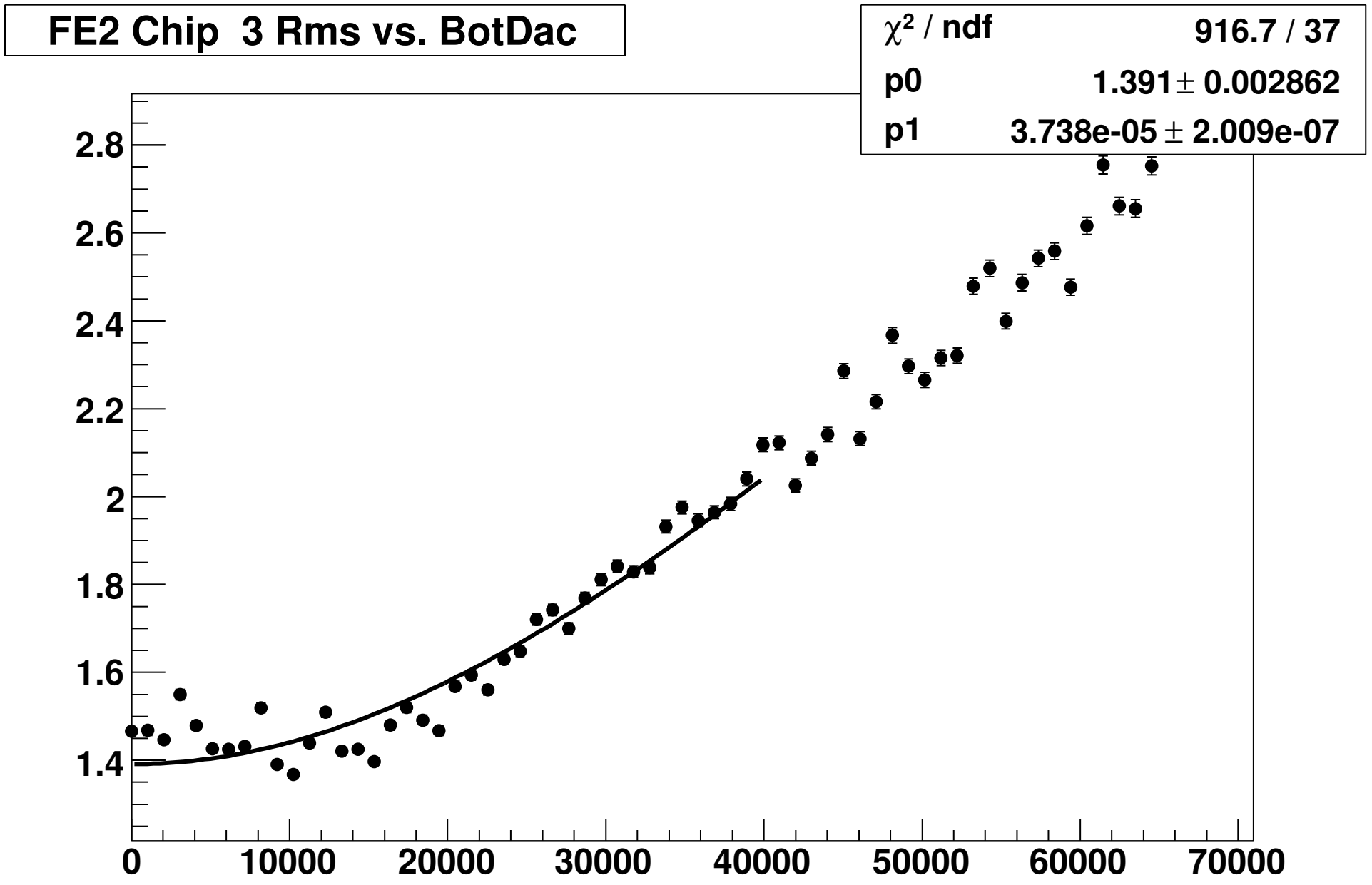
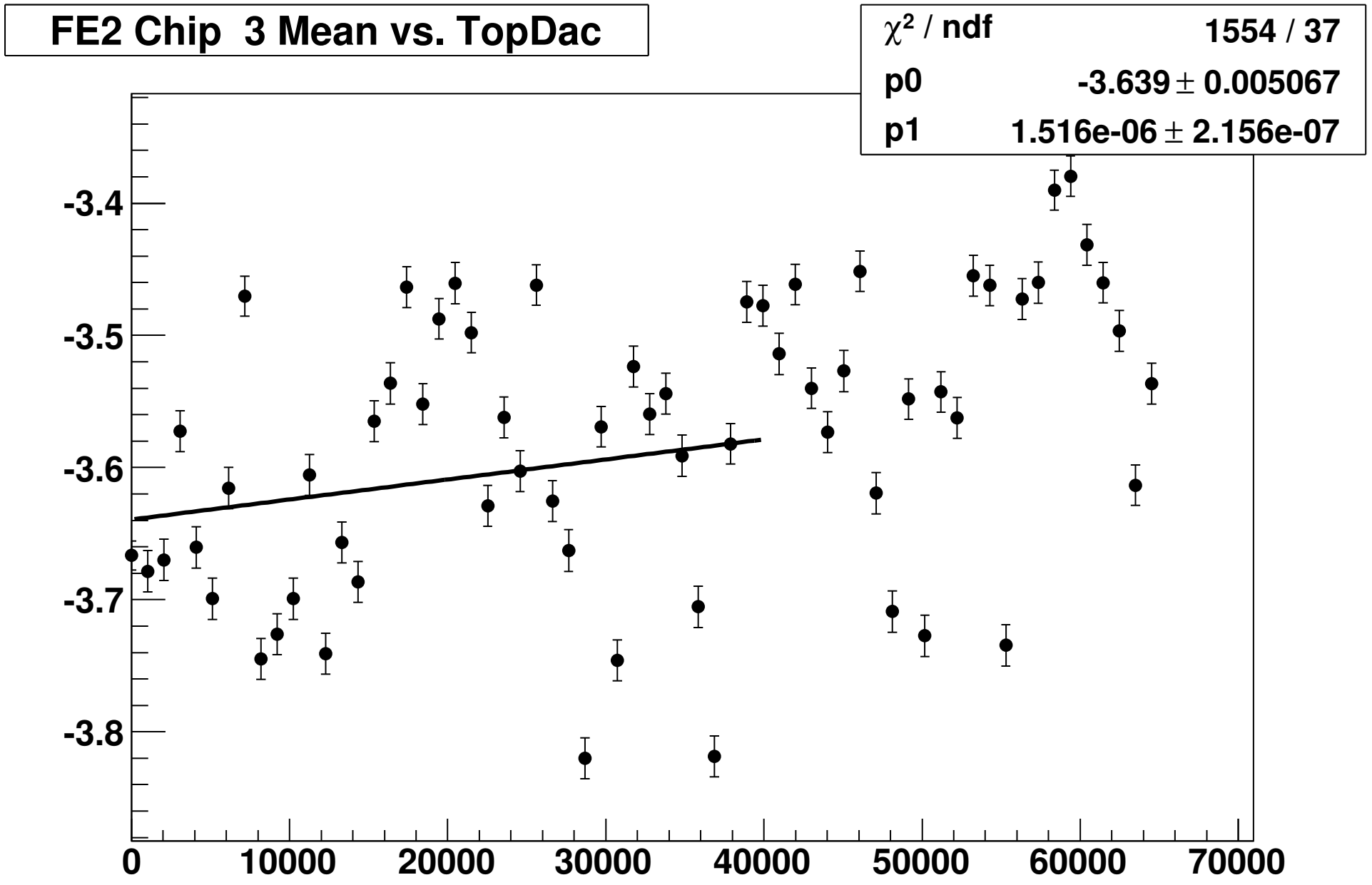
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 764.7 / 37
p0 0.6904 ± 0.0008245
p1 -2.197e-13 ± 8.709e-07
0.74
0.72
0.7
0.68
0.66
0.64
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. BotDac
χ² / ndf 6.531e+04 / 37
p0 -4.528 ± 0.00521
p1 0.4496 ± 2.476e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 916.7 / 37
p0 1.391 ± 0.002862
p1 3.738e-05 ± 2.009e-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 3 Mean vs. TopDac
χ² / ndf 1554 / 37
p0 -3.639 ± 0.005067
p1 1.516e-06 ± 2.156e-07
-3.4
-3.5
-3.6
-3.7
-3.8
0
10000
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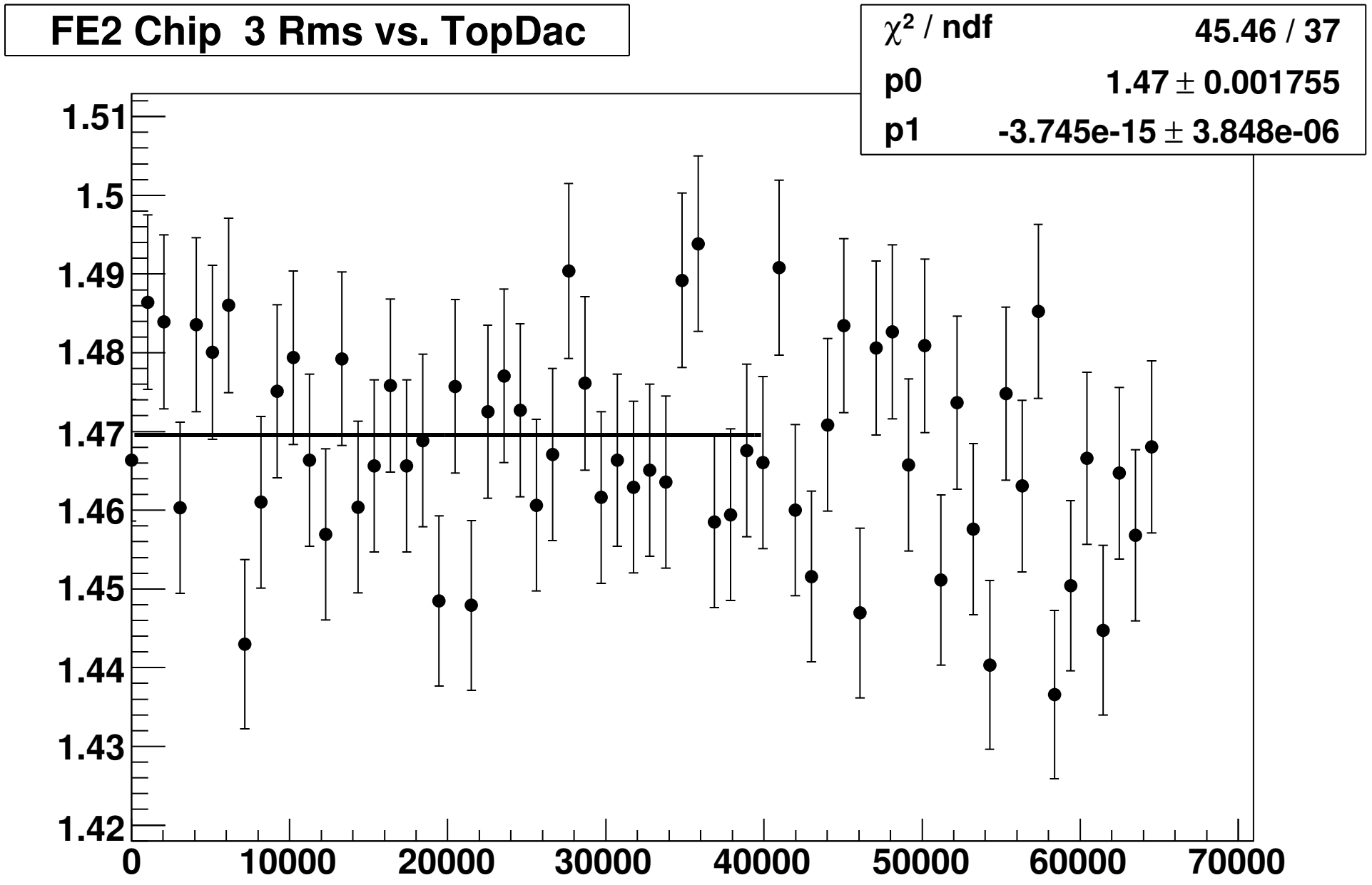
50000
60000
70000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 45.46 / 37
p0 1.47 ± 0.001755
p1 -3.745e-15 ± 3.848e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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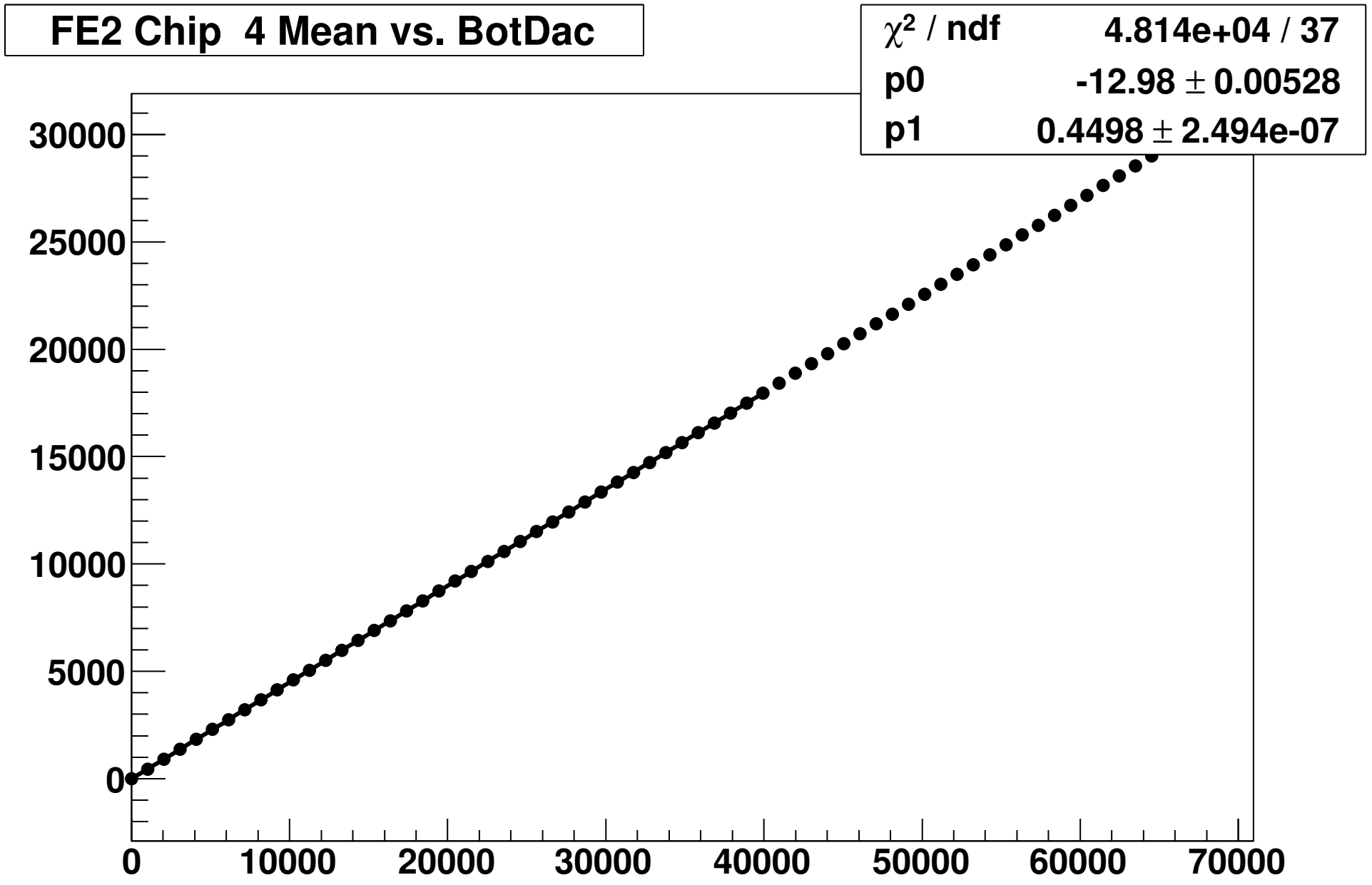
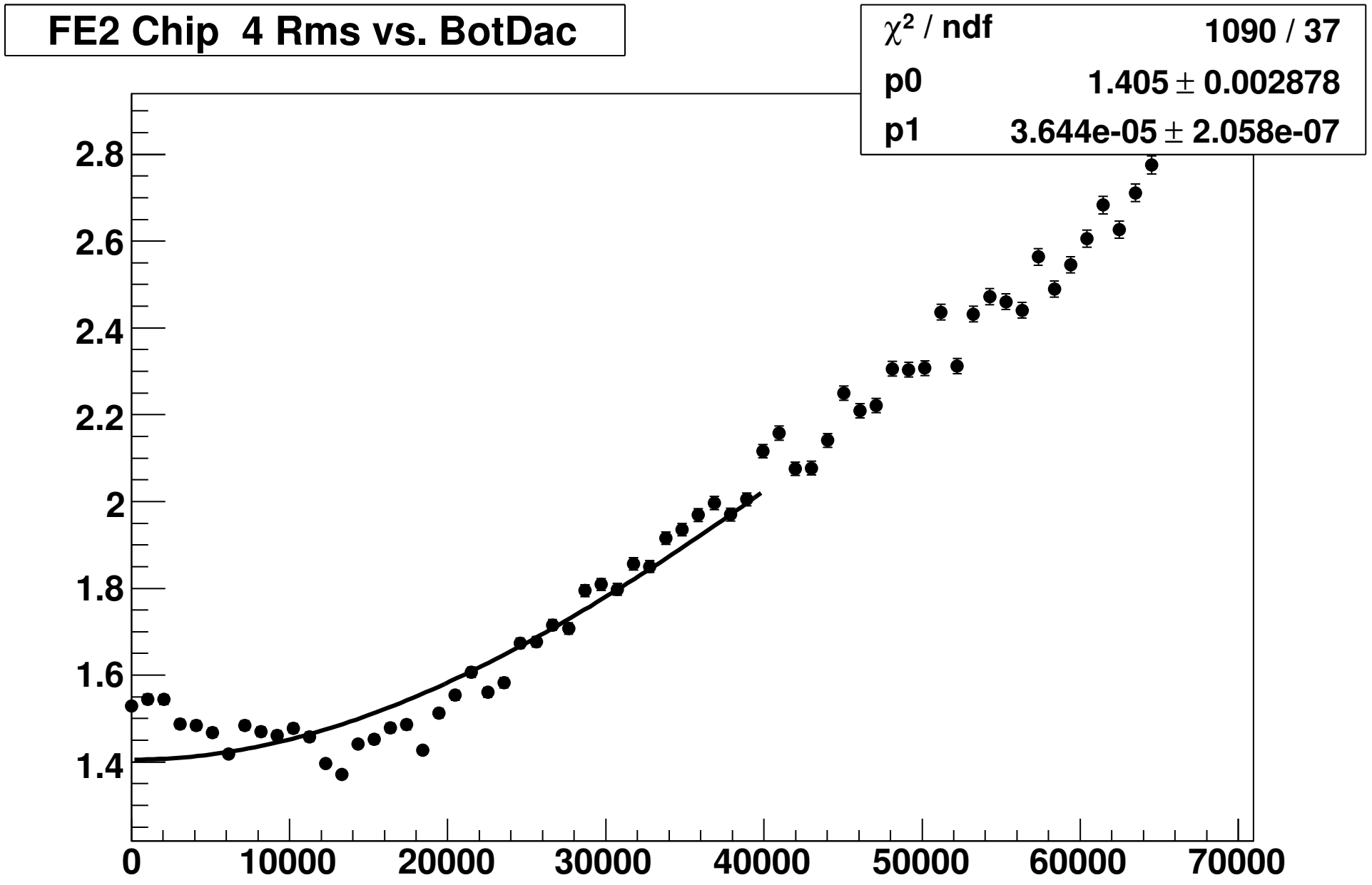
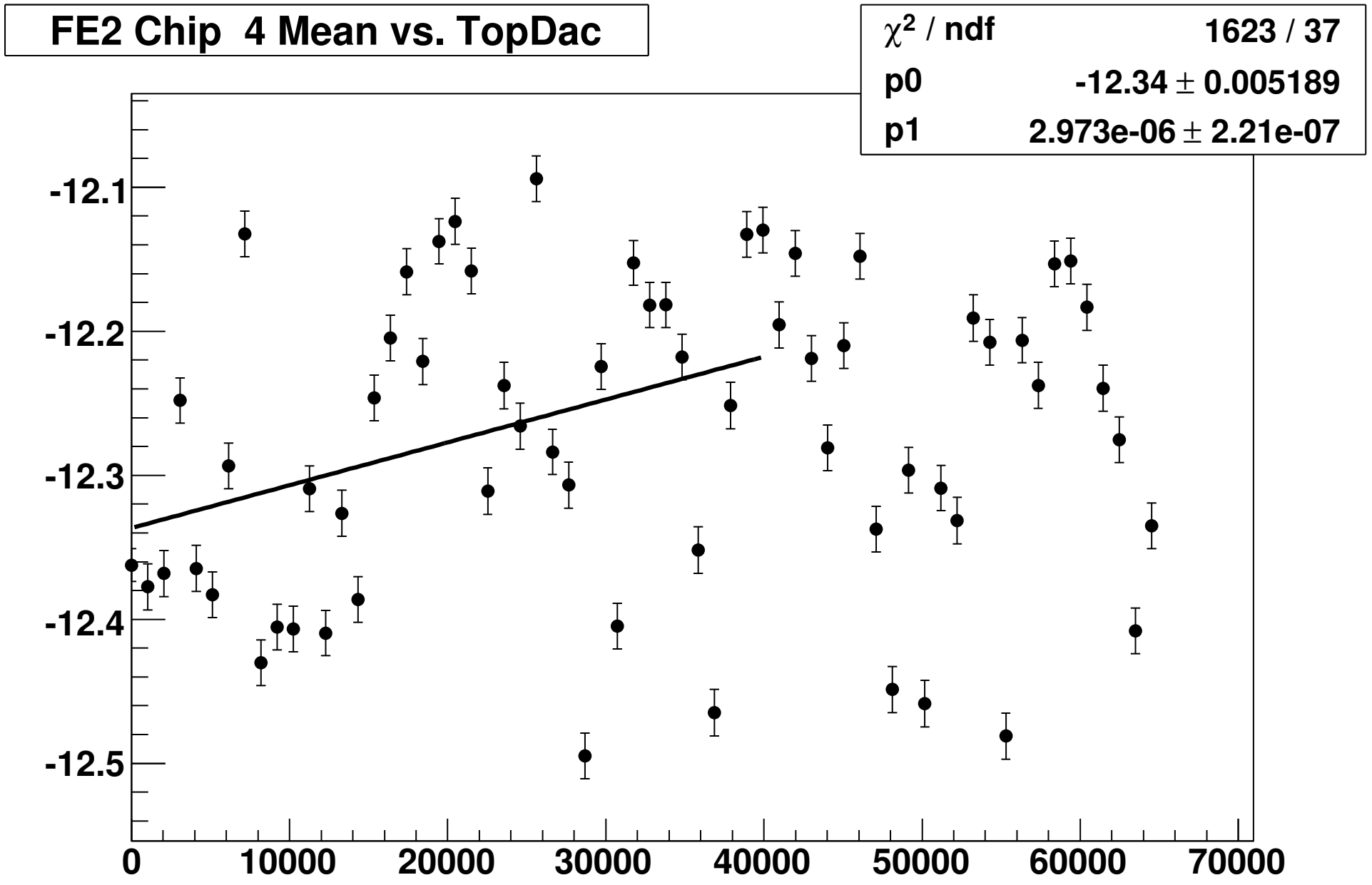

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 4.814e+04 / 37
p0 -12.98 ± 0.00528
p1 0.4498 ± 2.494e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 1090 / 37
p0 1.405 ± 0.002878
p1 3.644e-05 ± 2.058e-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 1623 / 37
p0 -12.34 ± 0.005189
p1 2.973e-06 ± 2.21e-07
-12.1
-12.2
-12.3
-12.4
-12.5
0
10000
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30000
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50000
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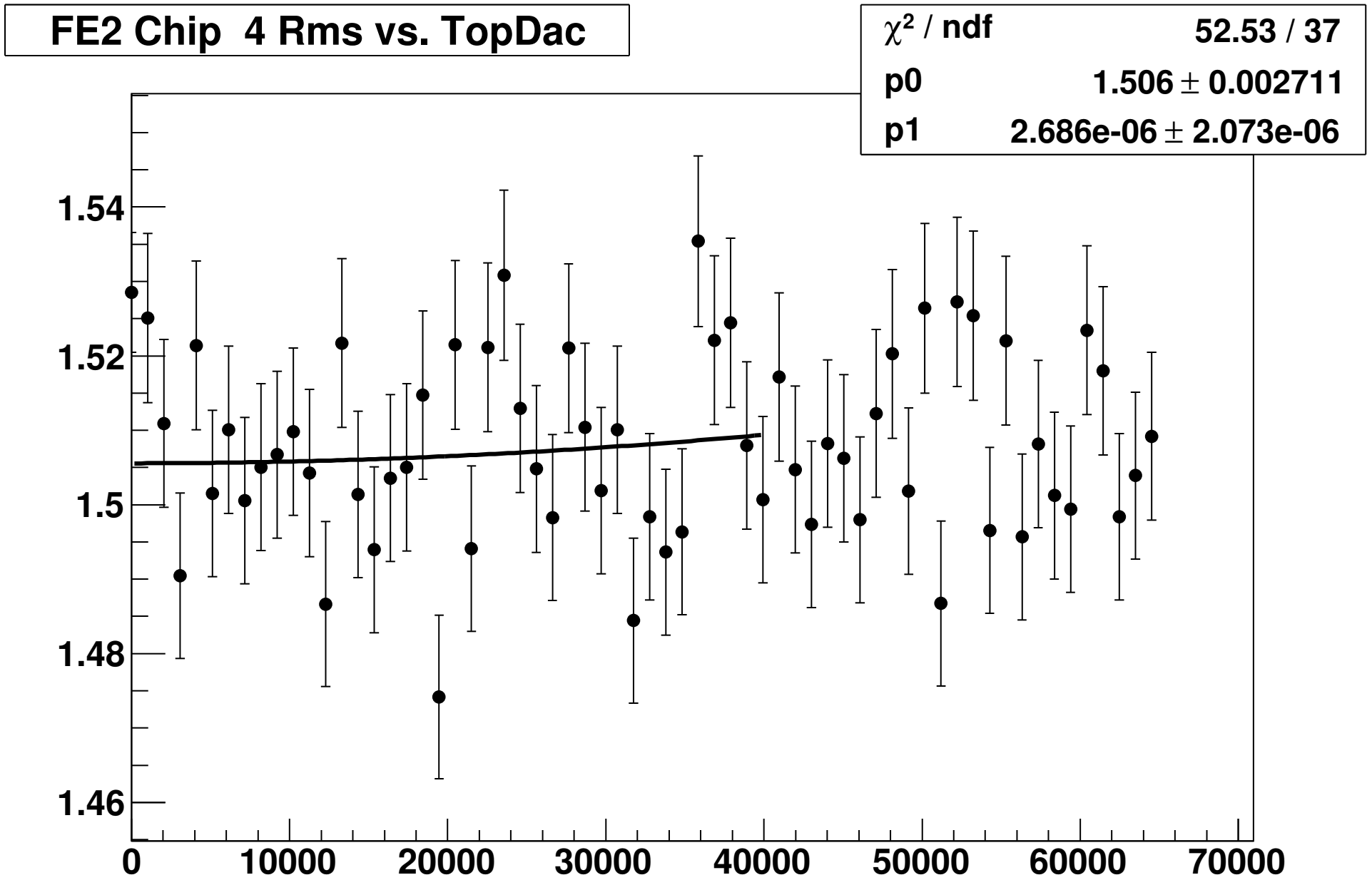
FE2 Chip 4 Rms vs. TopDac
χ² / ndf 52.53 / 37
p0 1.506 ± 0.002711
p1 2.686e-06 ± 2.073e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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50000
60000
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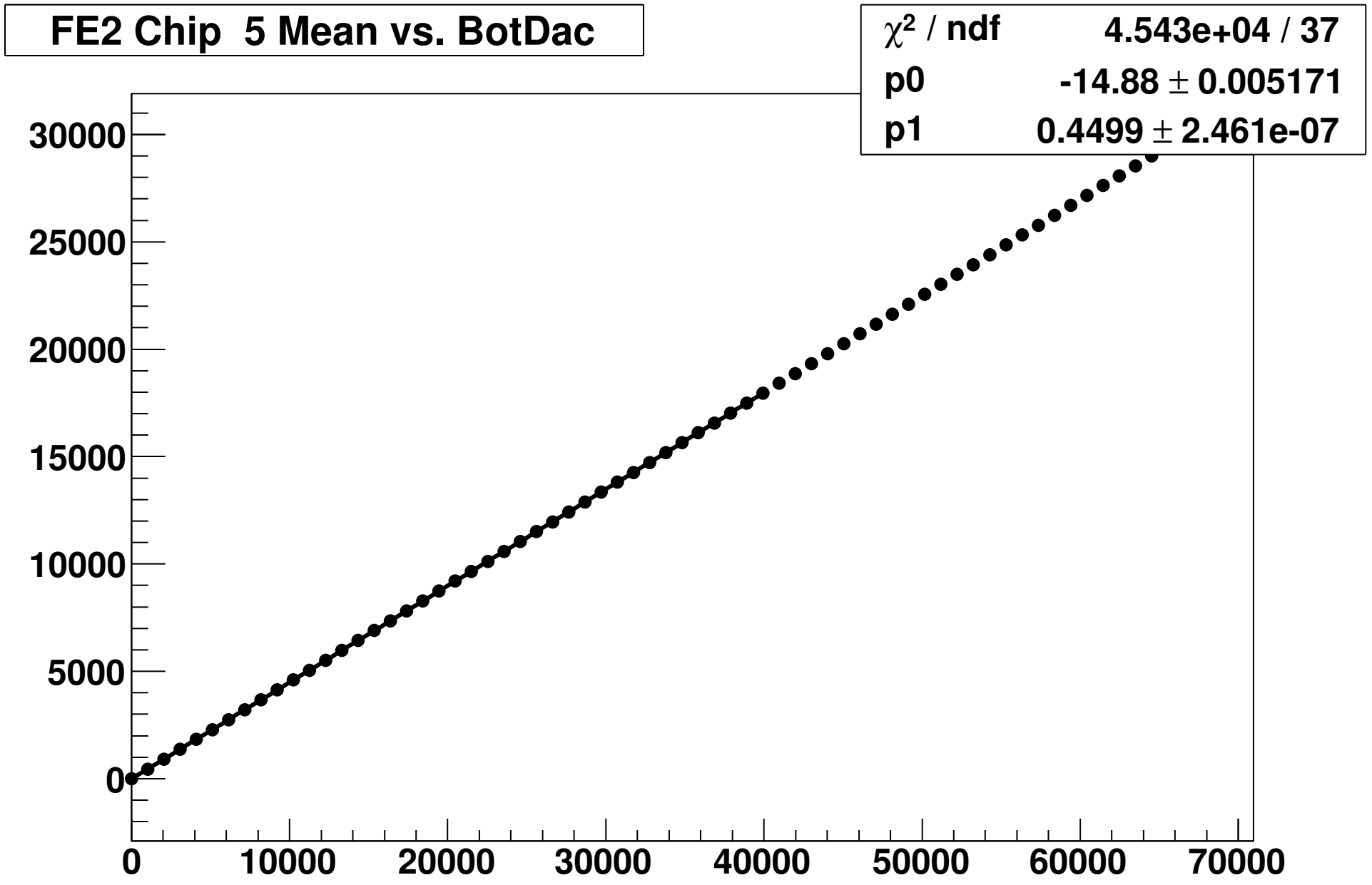
FE2 Chip 5 Mean vs. BotDac
χ² / ndf 4.543e+04 / 37
p0 -14.88 ± 0.005171
p1 0.4499 ± 2.461e-07
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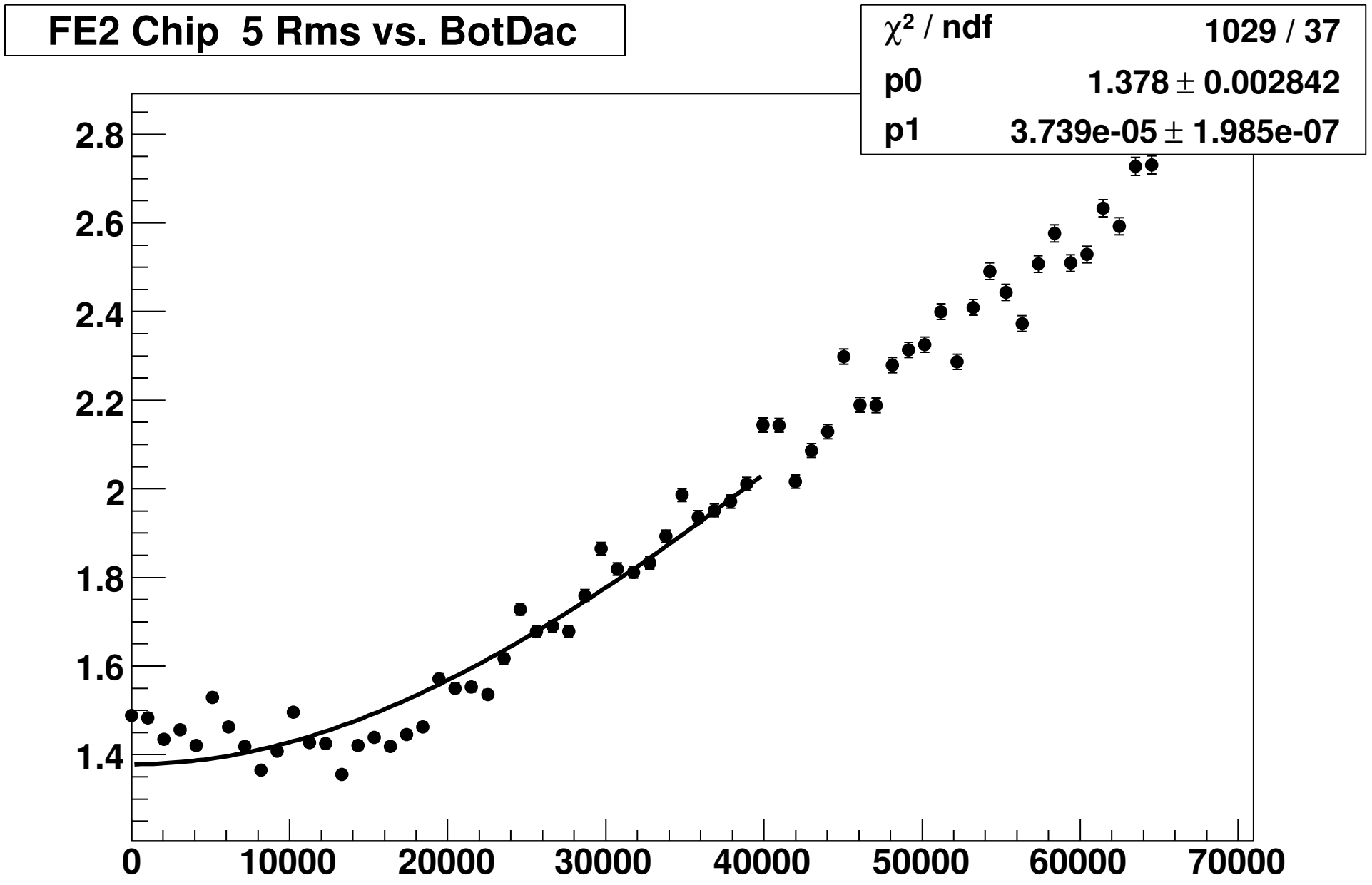
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 1029 / 37
p0 1.378 ± 0.002842
p1 3.739e-05 ± 1.985e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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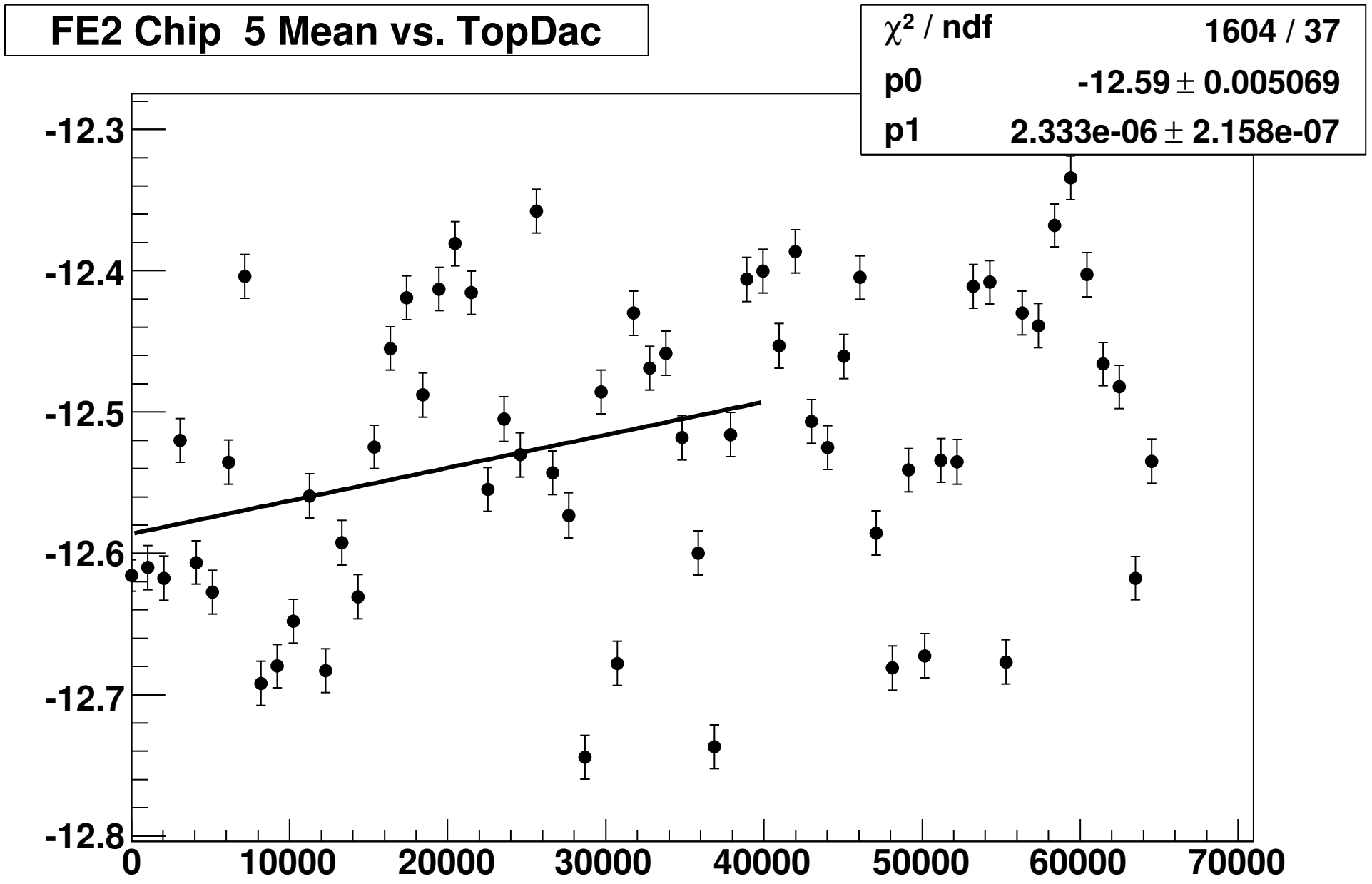
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 1604 / 37
p0 -12.59 ± 0.005069
p1 2.333e-06 ± 2.158e-07
-12.3
-12.4
-12.5
-12.6
-12.7
-12.8
0
10000
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30000
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50000
60000
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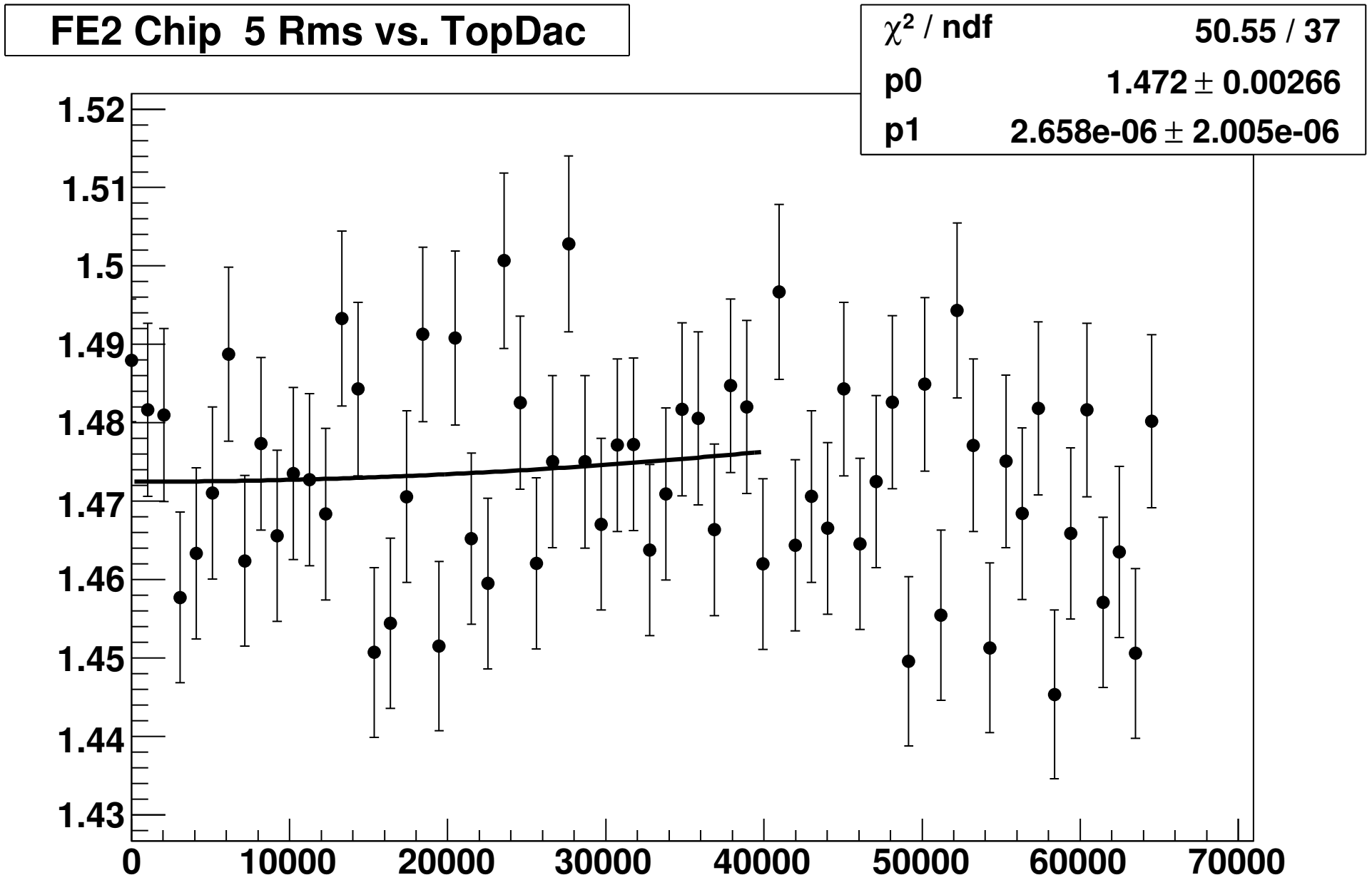
FE2 Chip 5 Rms vs. TopDac
χ² / ndf 50.55 / 37
p0 1.472 ± 0.00266
p1 2.658e-06 ± 2.005e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
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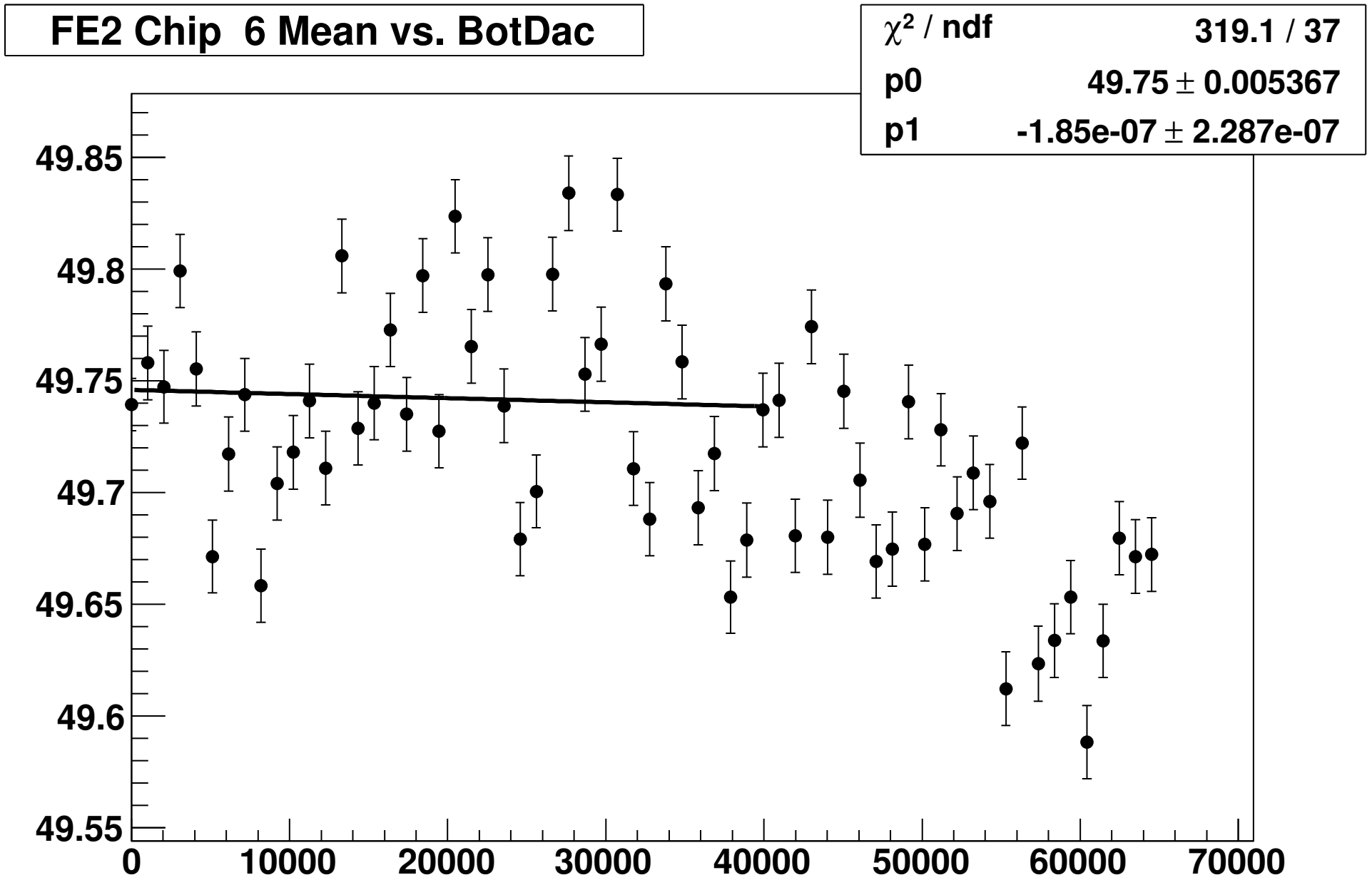
FE2 Chip 6 Mean vs. BotDac
χ² / ndf 319.1 / 37
p0 49.75 ± 0.005367
p1 -1.85e-07 ± 2.287e-07
49.85
49.8
49.75
49.7
49.65
49.6
49.55
0
10000
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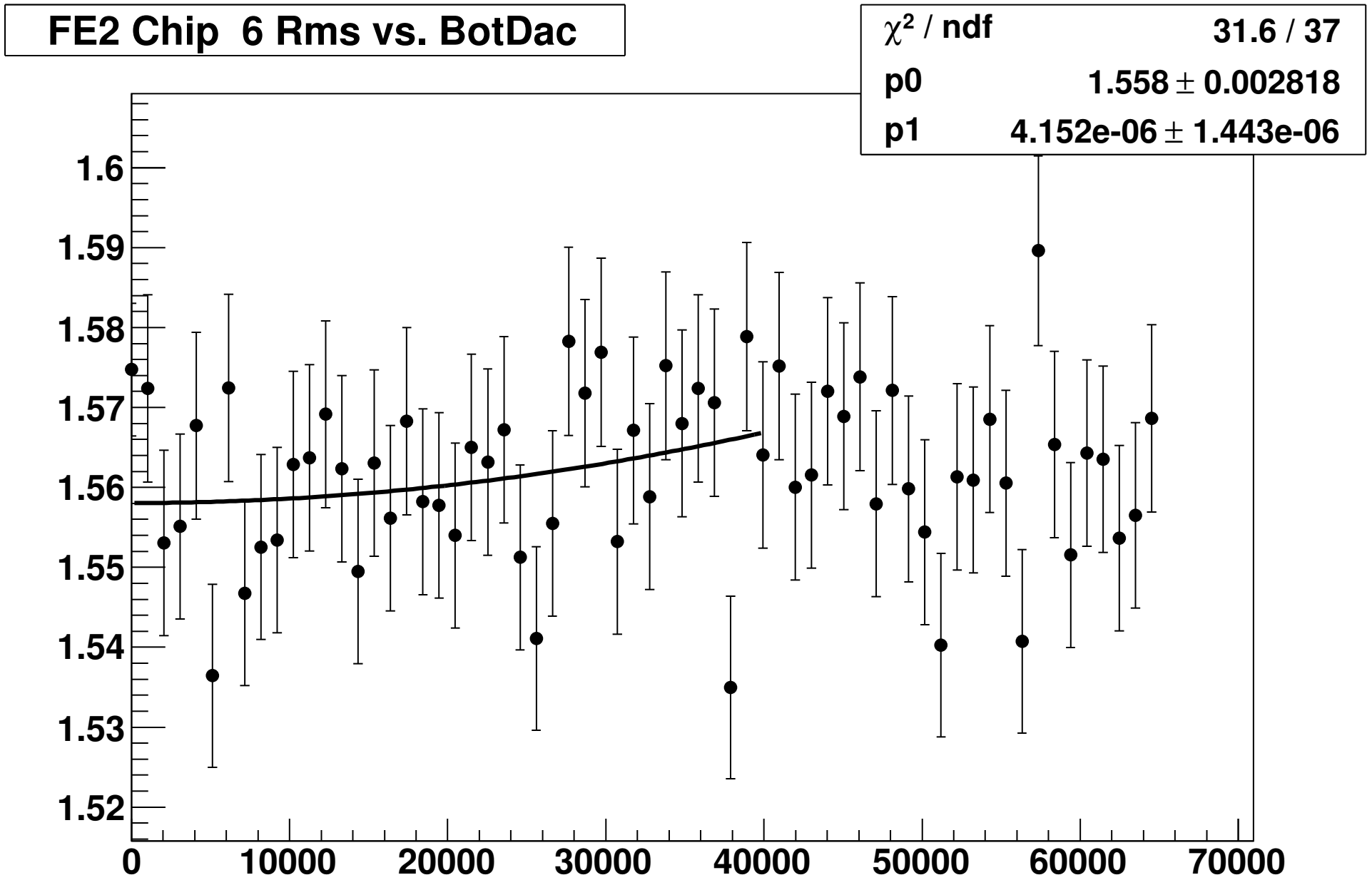
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 31.6 / 37
p0 1.558 ± 0.002818
p1 4.152e-06 ± 1.443e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
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60000
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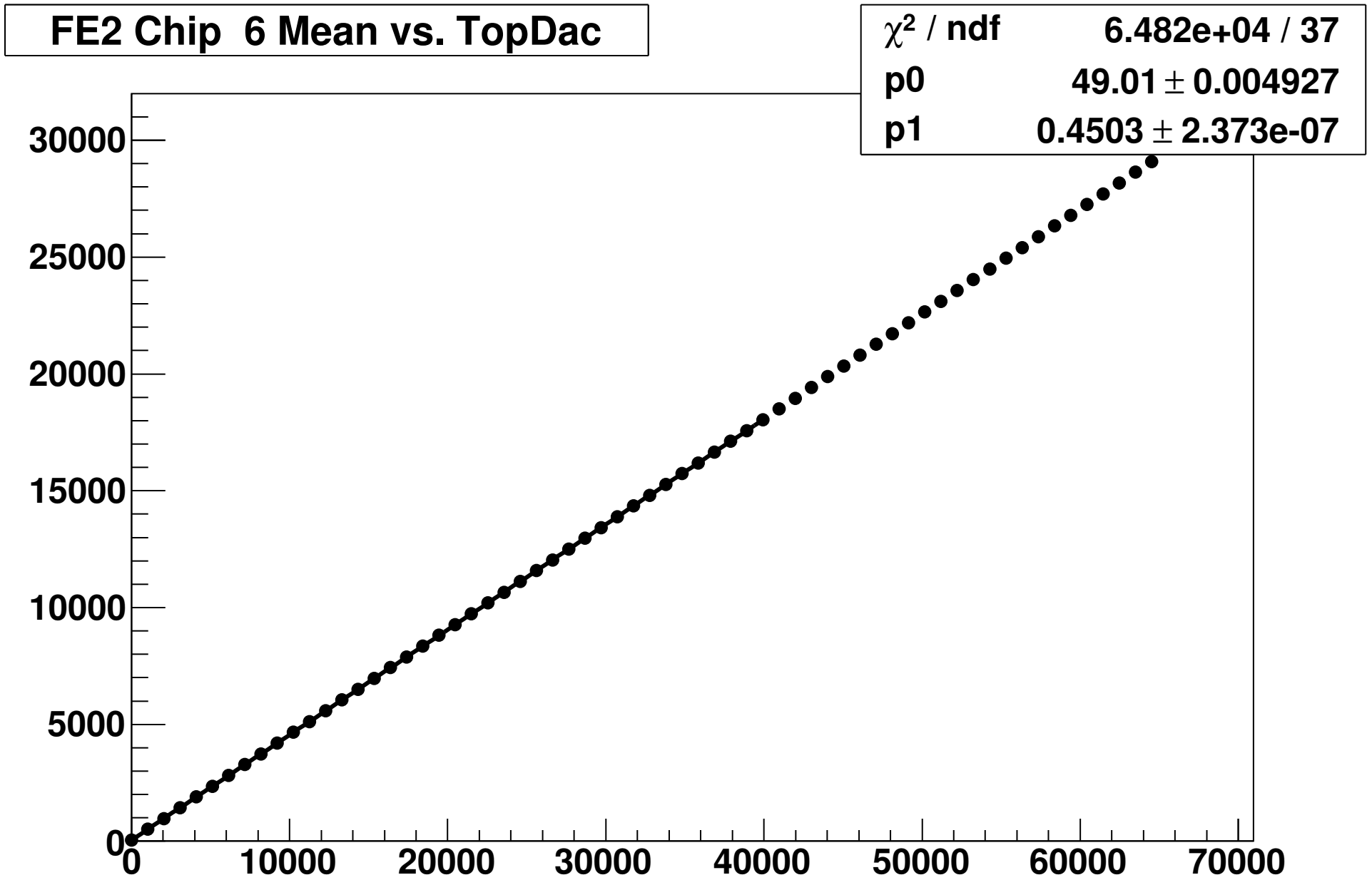
FE2 Chip 6 Mean vs. TopDac
χ² / ndf 6.482e+04 / 37
p0 49.01 ± 0.004927
p1 0.4503 ± 2.373e-07
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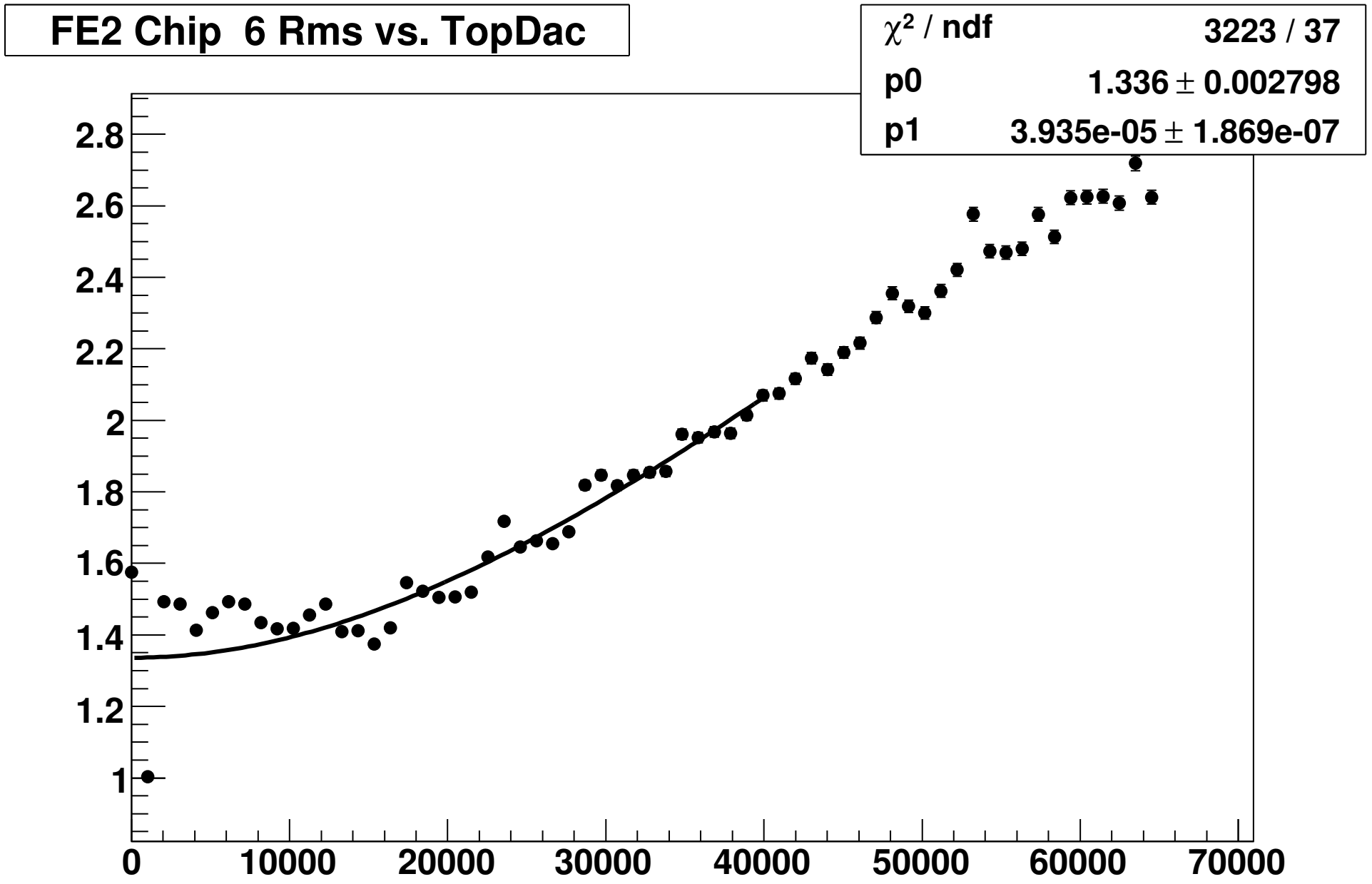
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 3223 / 37
p0 1.336 ± 0.002798
p1 3.935e-05 ± 1.869e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
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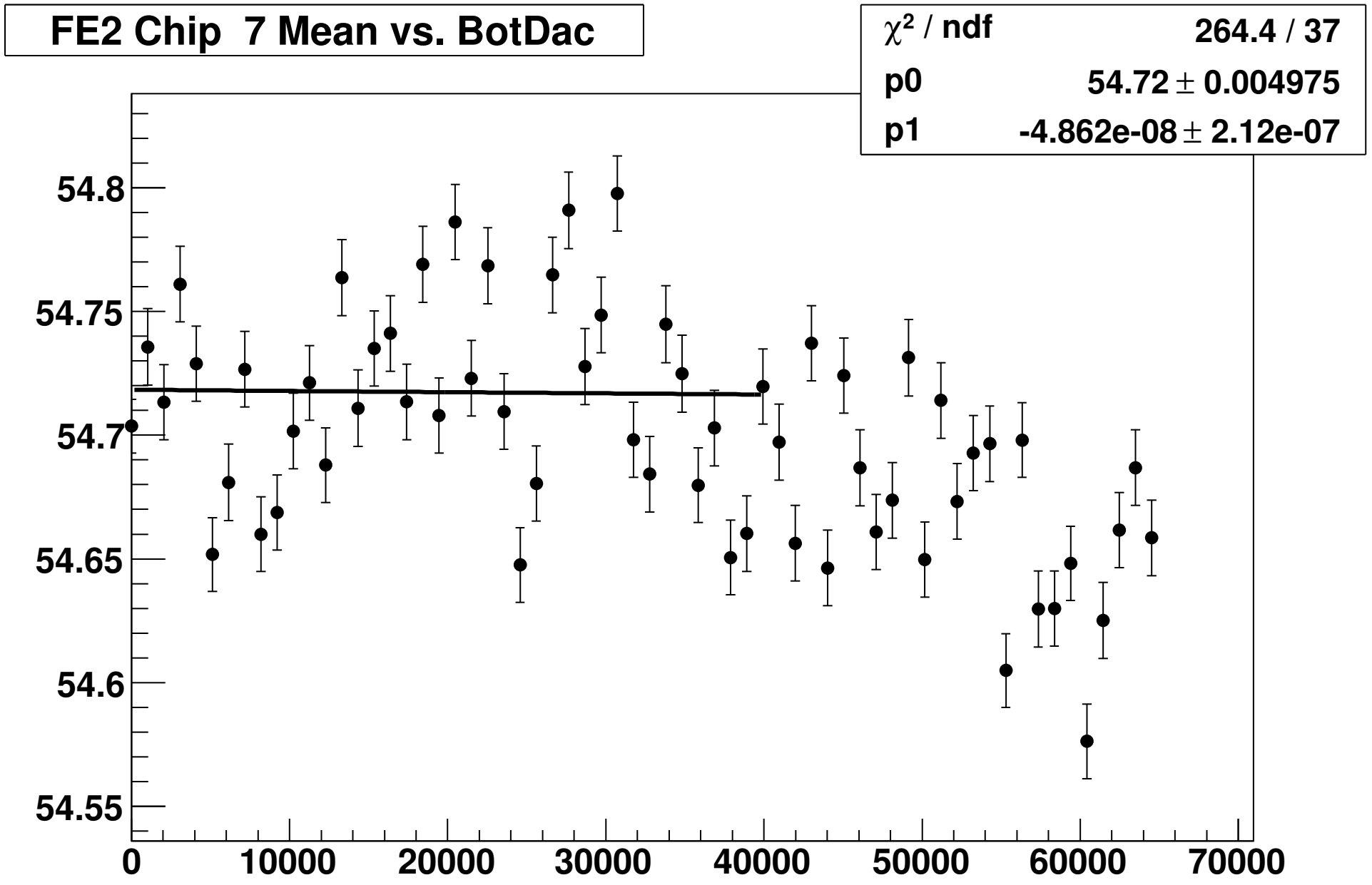
FE2 Chip 7 Mean vs. BotDac
χ² / ndf 264.4 / 37
p0 54.72 ± 0.004975
p1 -4.862e-08 ± 2.12e-07
54.8
54.75
54.7
54.65
54.6
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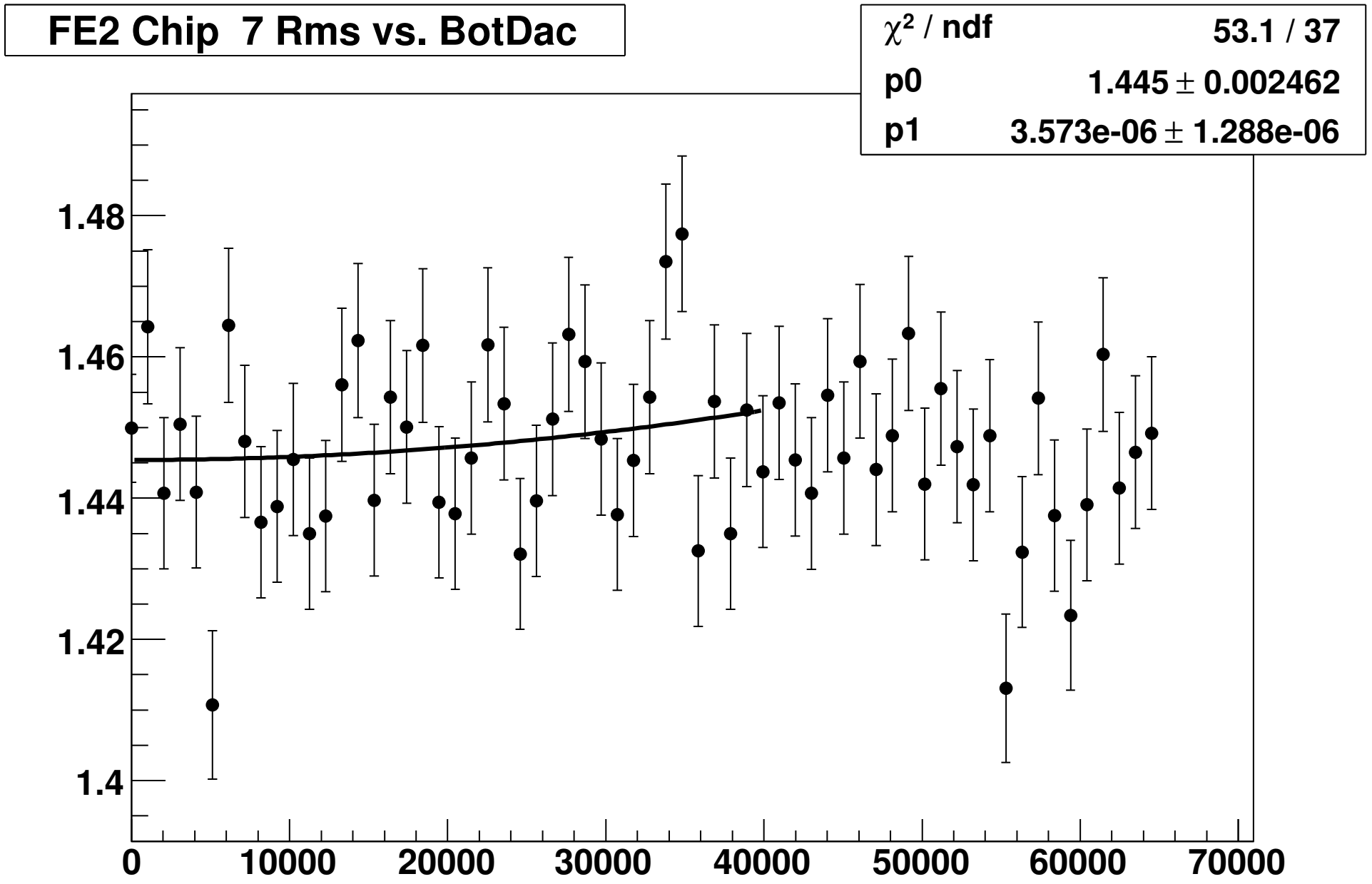
FE2 Chip 7 Rms vs. BotDac
χ² / ndf 53.1 / 37
p0 1.445 ± 0.002462
p1 3.573e-06 ± 1.288e-06
1.48
1.46
1.44
1.42
1.4
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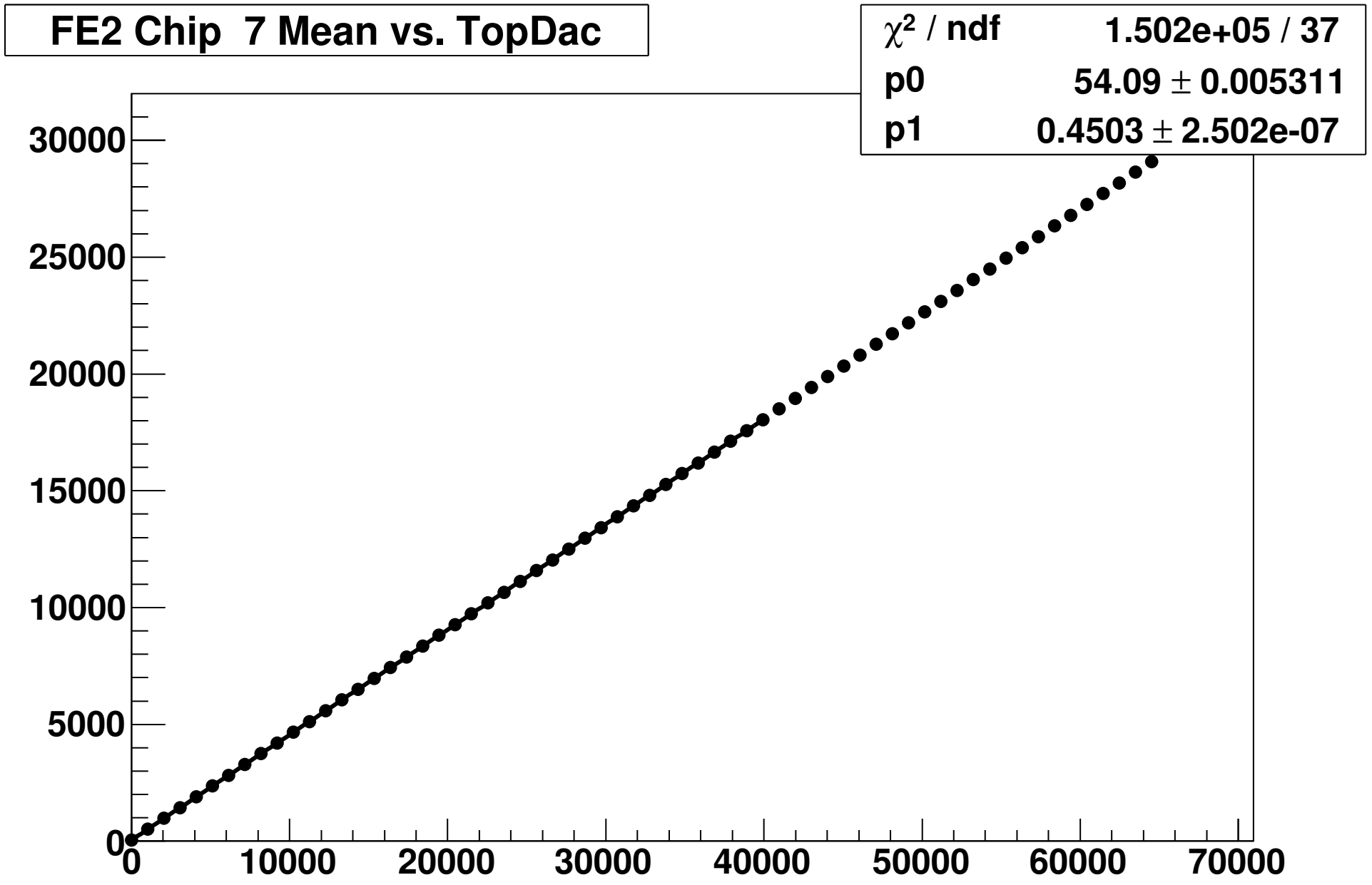
FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.502e+05 / 37
p0 54.09 ± 0.005311
p1 0.4503 ± 2.502e-07
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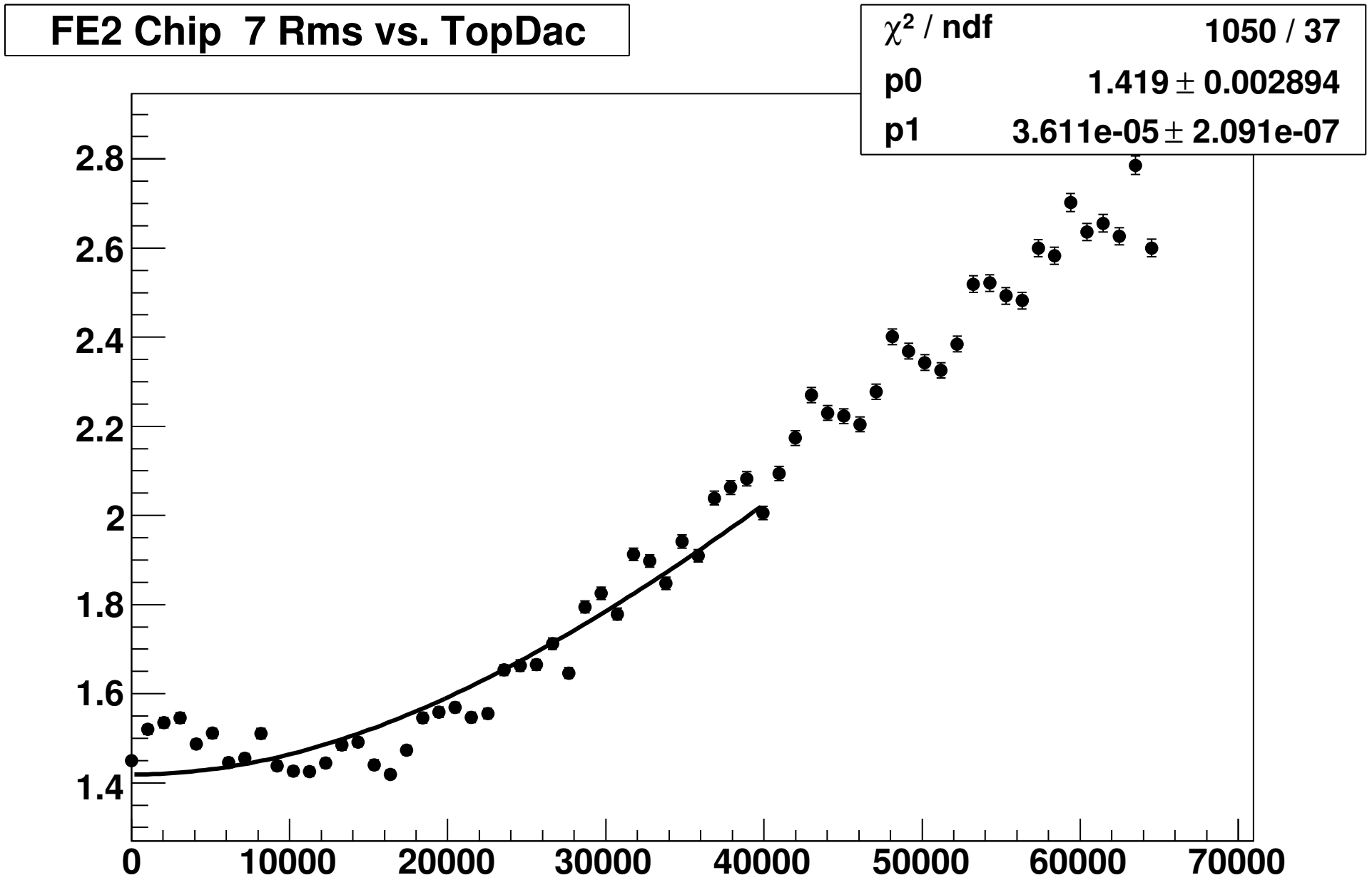
FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1050 / 37
p0 1.419 ± 0.002894
p1 3.611e-05 ± 2.091e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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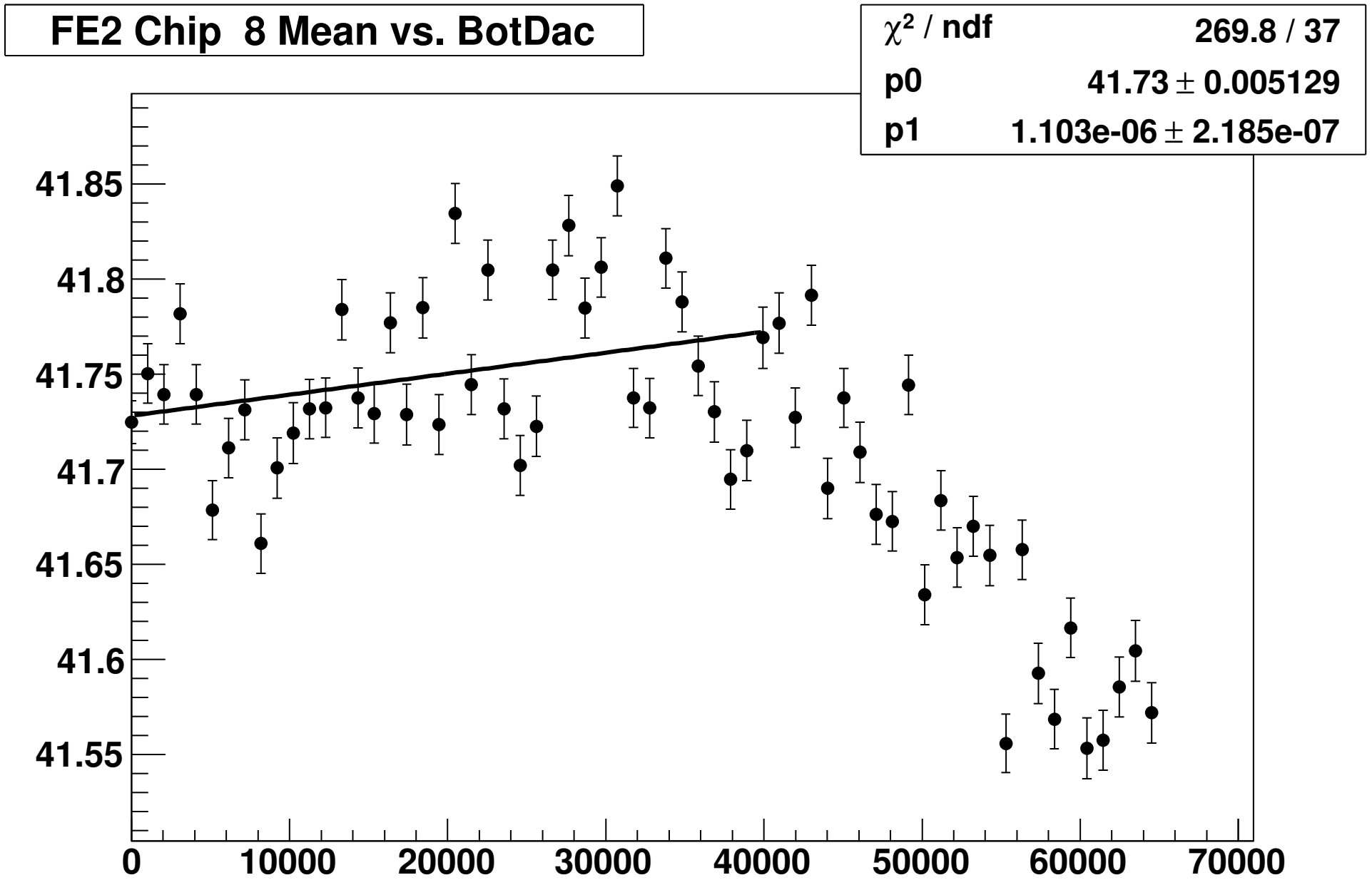
FE2 Chip 8 Mean vs. BotDac
χ² / ndf 269.8 / 37
p0 41.73 ± 0.005129
p1 1.103e-06 ± 2.185e-07
41.85
41.8
41.75
41.7
41.65
41.6
41.55
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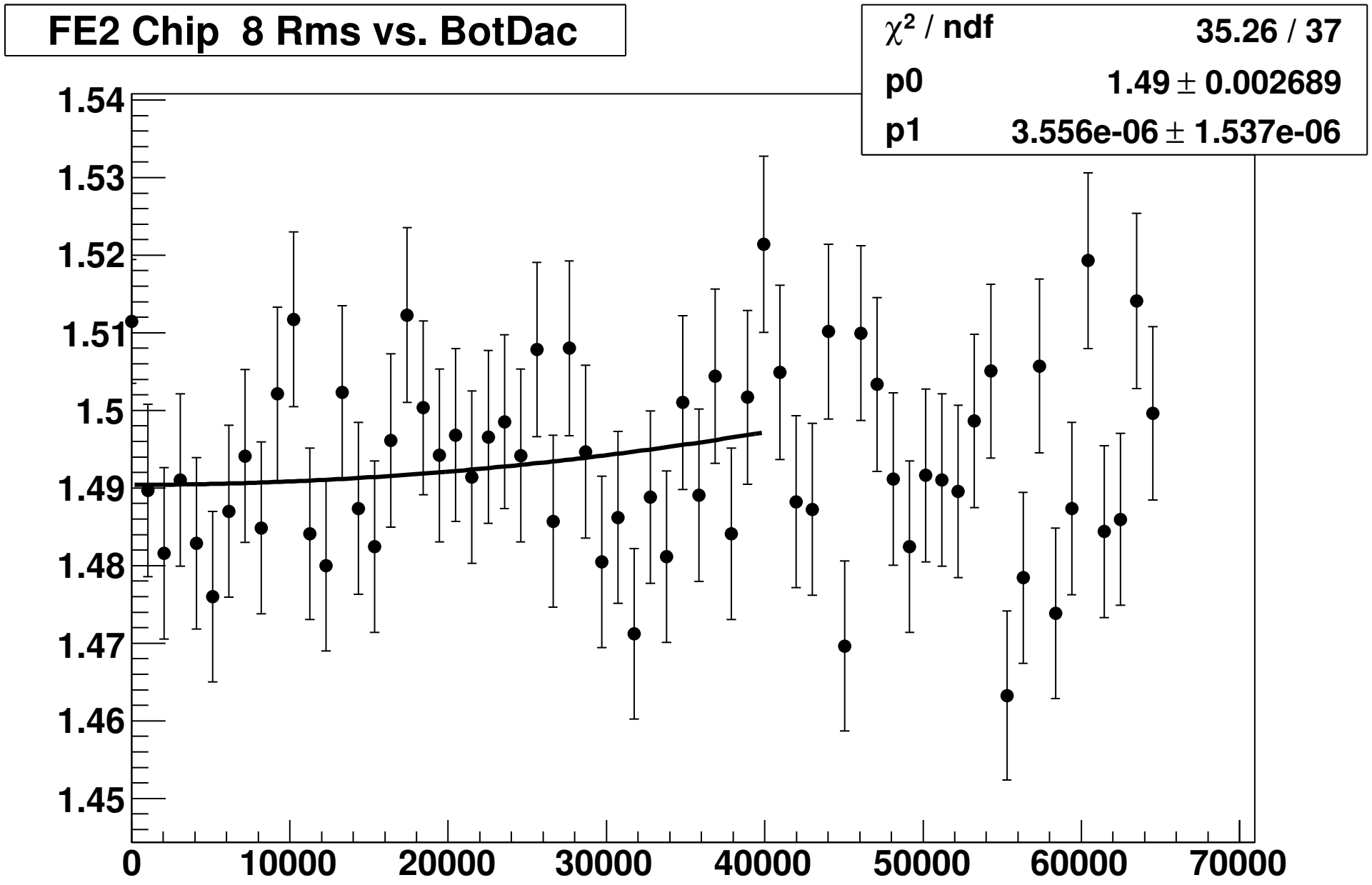
FE2 Chip 8 Rms vs. BotDac
χ² / ndf 35.26 / 37
p0 1.49 ± 0.002689
p1 3.556e-06 ± 1.537e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
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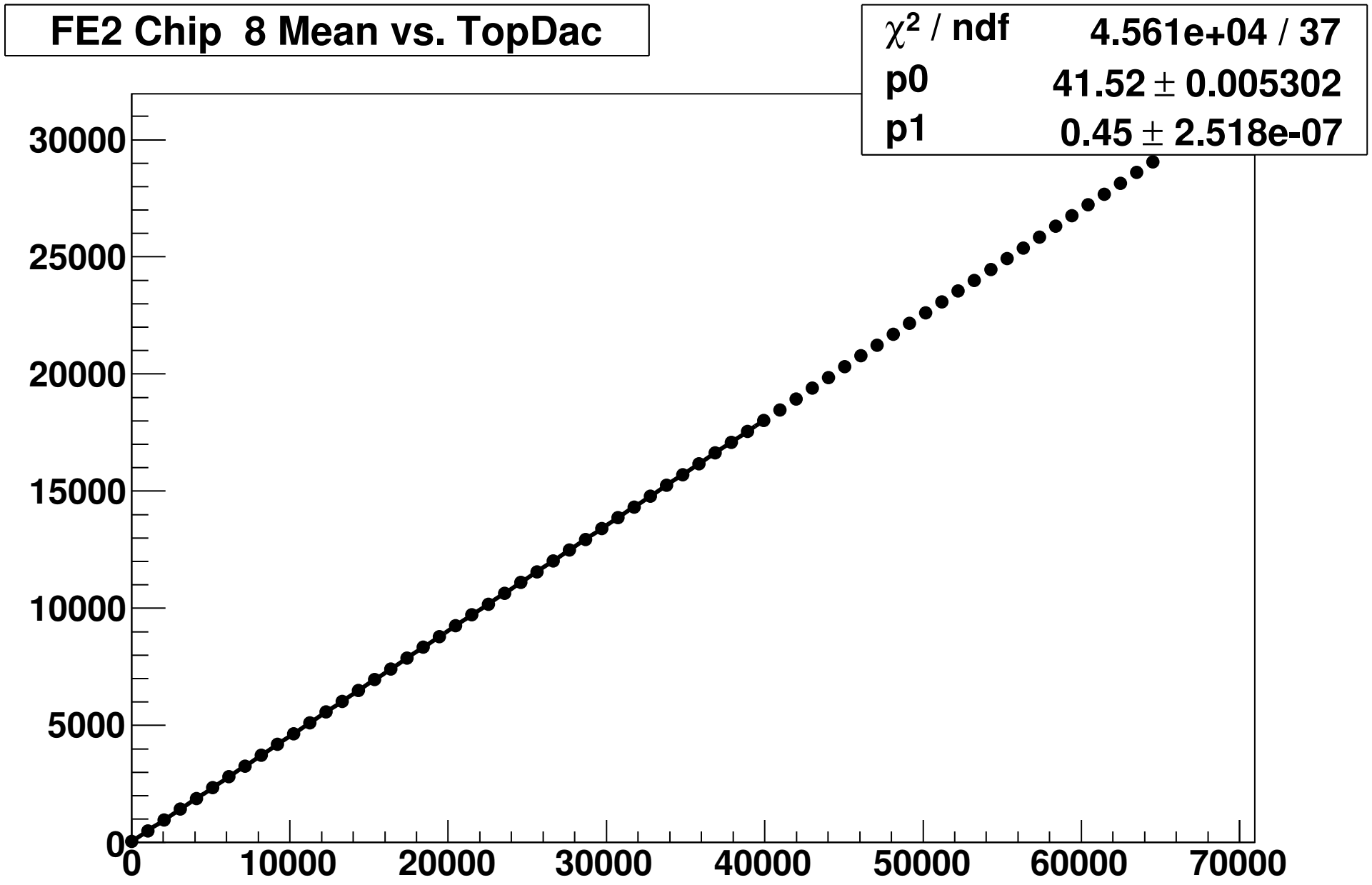
FE2 Chip 8 Mean vs. TopDac
χ² / ndf 4.561e+04 / 37
p0 41.52 ± 0.005302
p1 0.45 ± 2.518e-07
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15000
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0
0
10000
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30000
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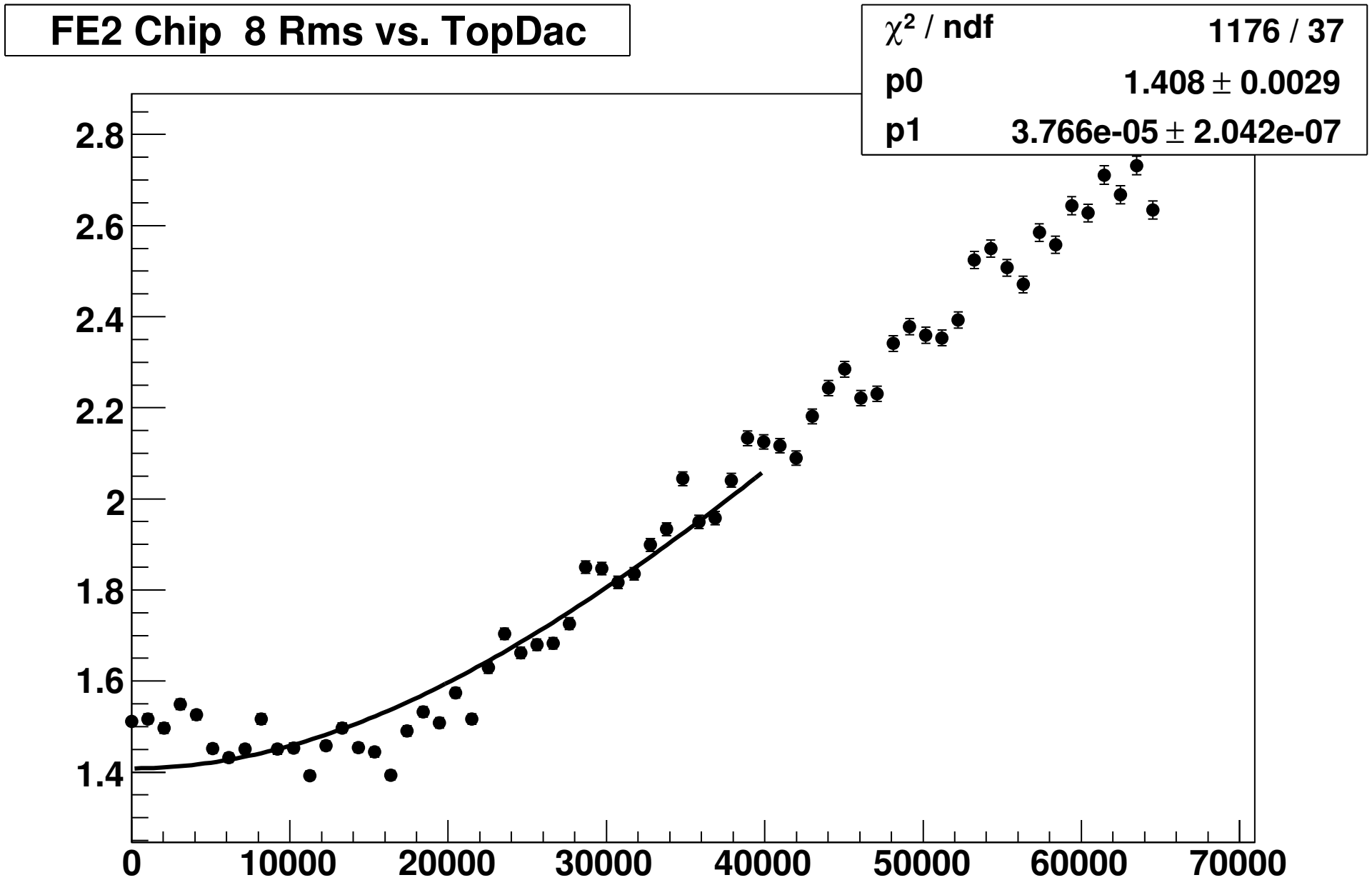
FE2 Chip 8 Rms vs. TopDac
χ² / ndf 1176 / 37
p0 1.408 ± 0.0029
p1 3.766e-05 ± 2.042e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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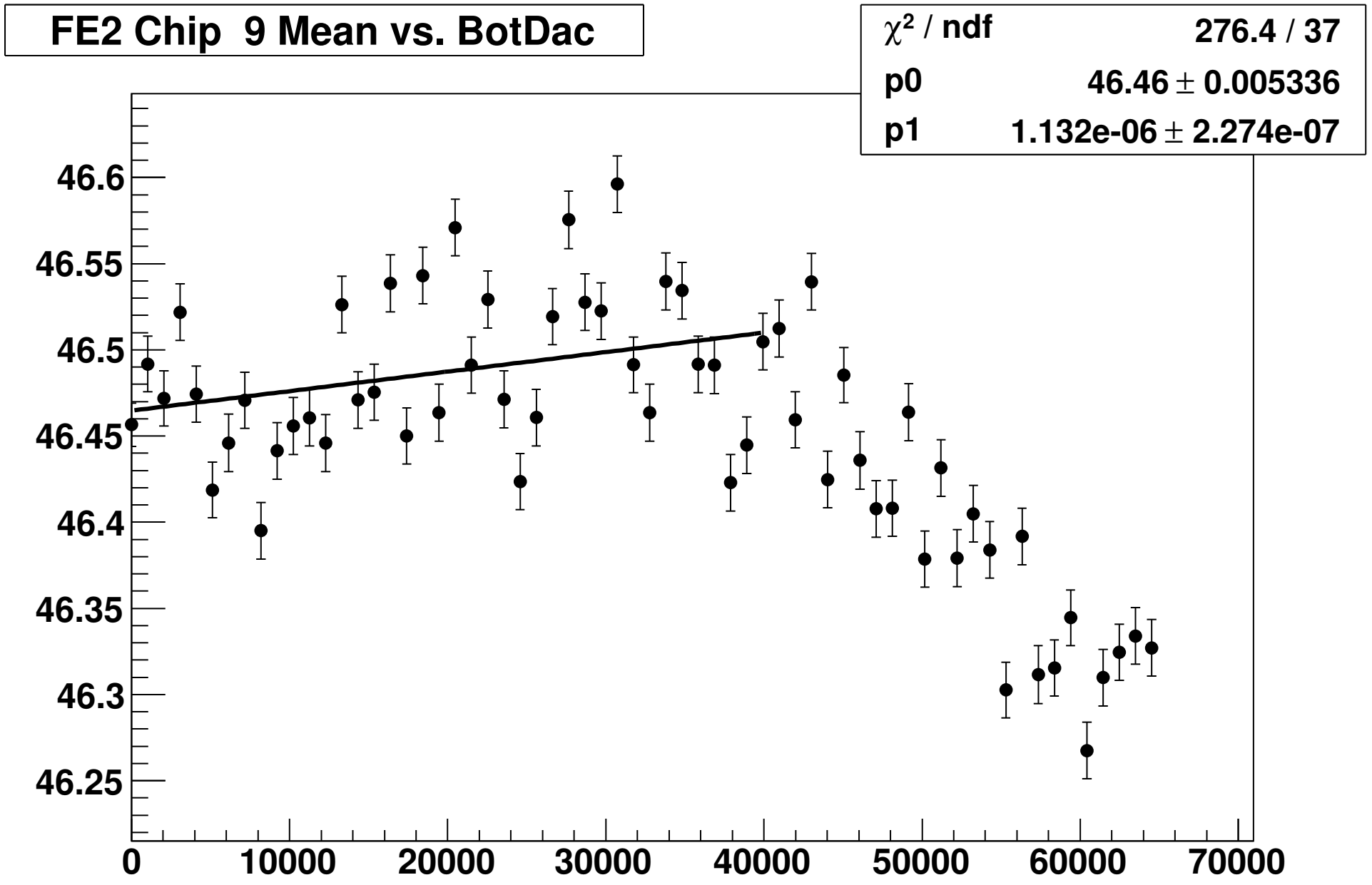
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 276.4 / 37
p0 46.46 ± 0.005336
p1 1.132e-06 ± 2.274e-07
46.6
46.55
46.5
46.45
46.4
46.35
46.3
46.25
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10000
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50000
60000
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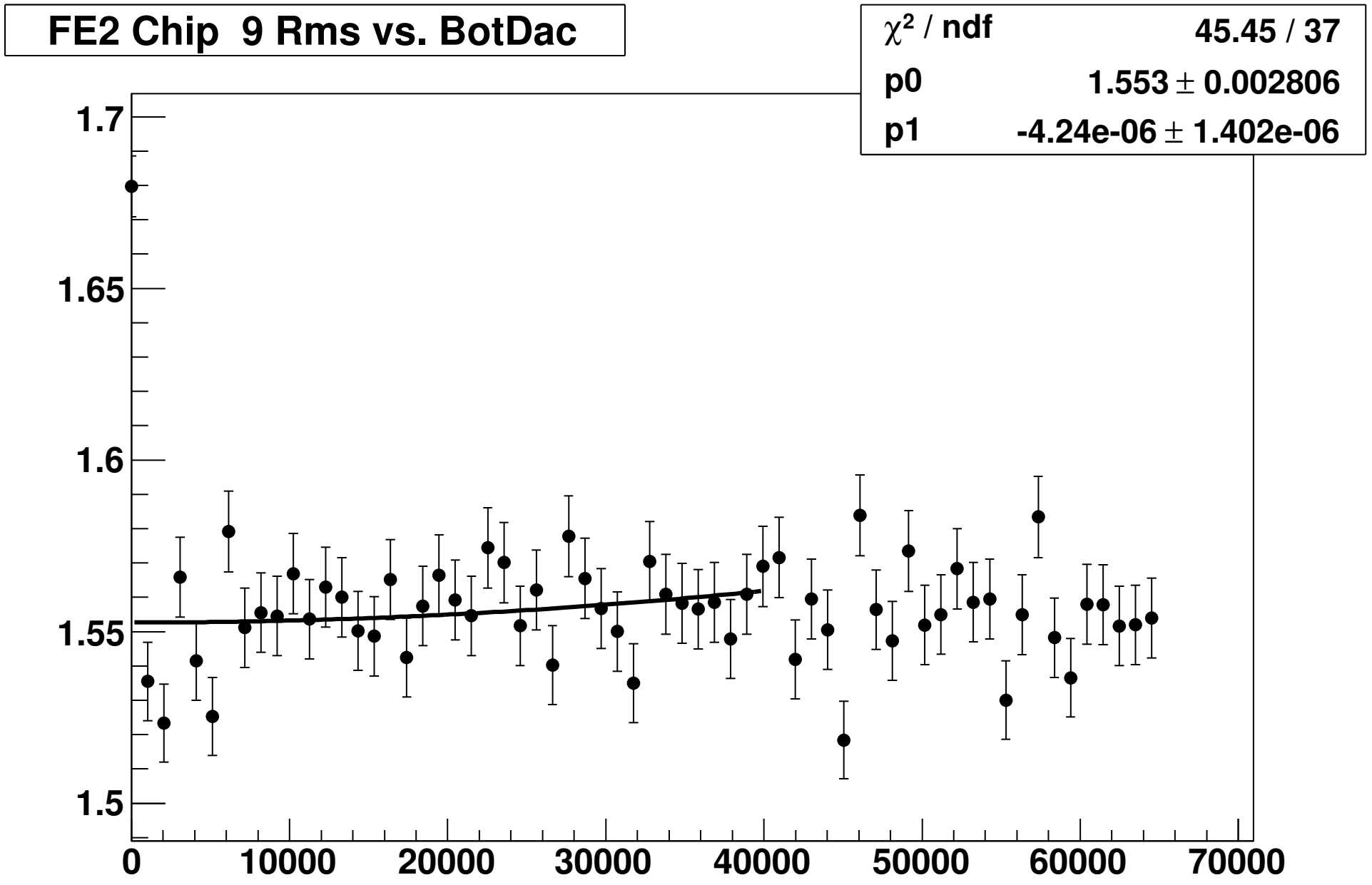
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 45.45 / 37
p0 1.553 ± 0.002806
p1 -4.24e-06 ± 1.402e-06
1.7
1.65
1.6
1.55
1.5
0
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20000
30000
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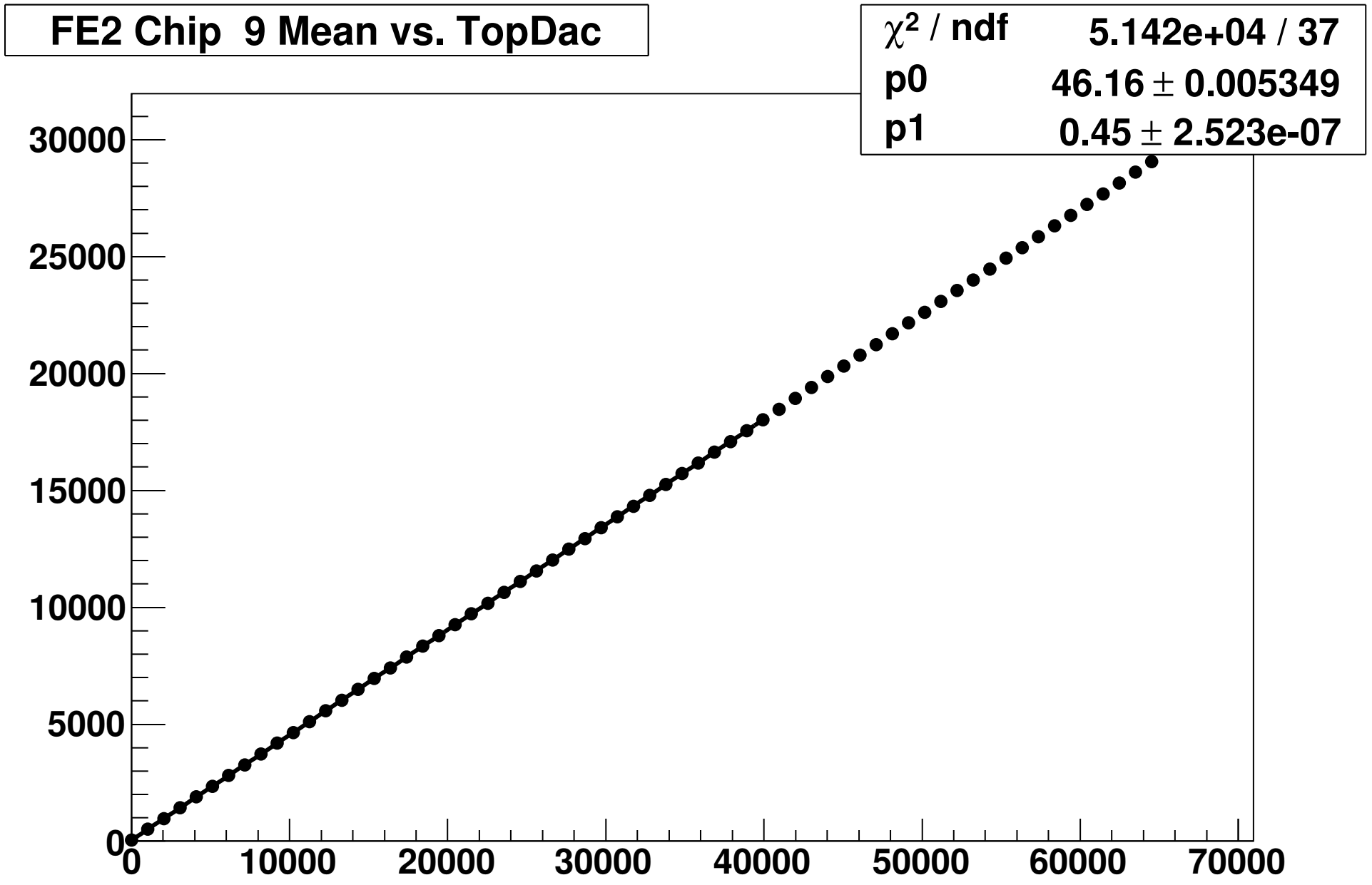
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 5.142e+04 / 37
p0 46.16 ± 0.005349
p1 0.45 ± 2.523e-07
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15000
10000
5000
0
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10000
20000
30000
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50000
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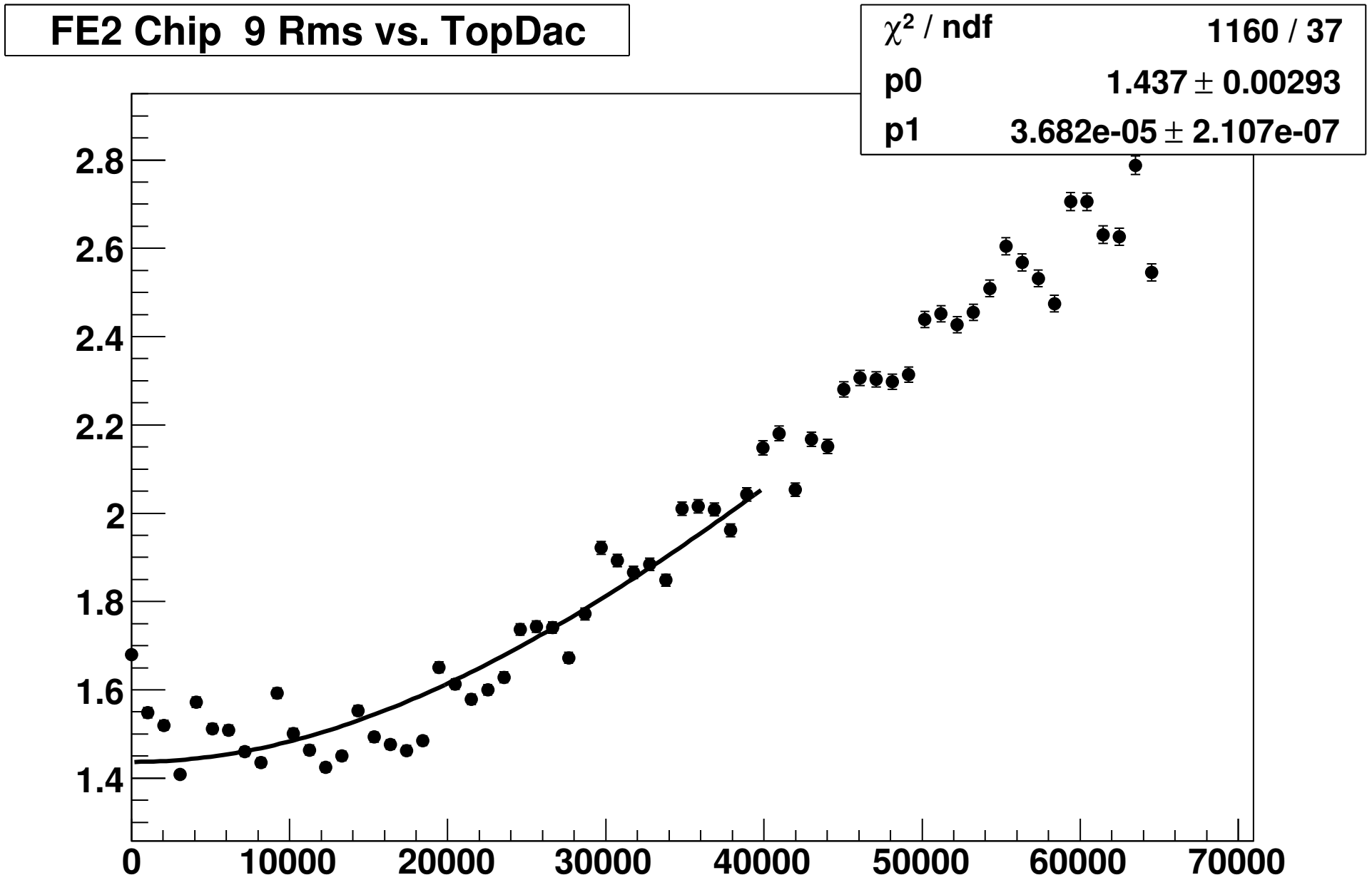
FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1160 / 37
p0 1.437 ± 0.00293
p1 3.682e-05 ± 2.107e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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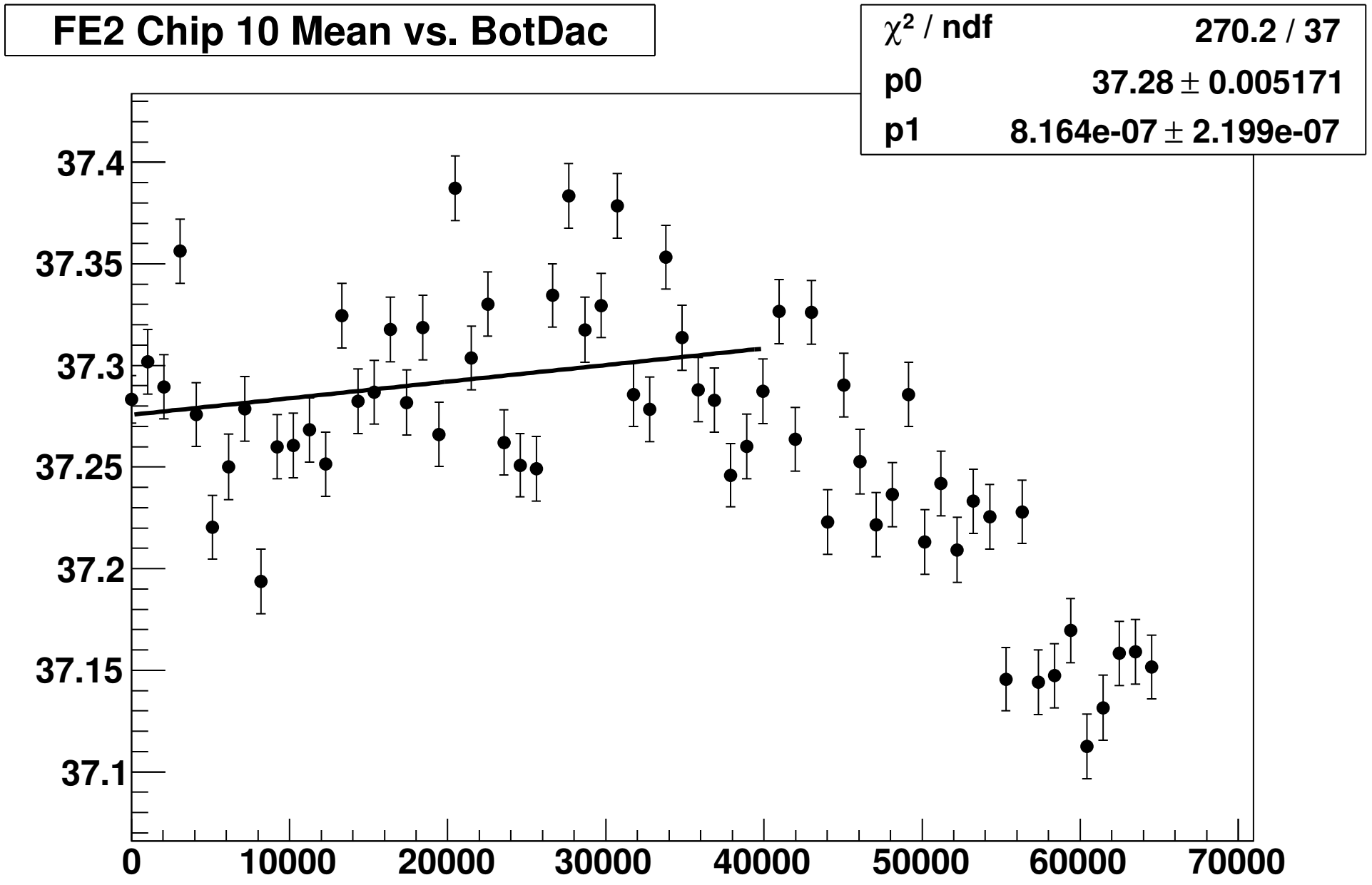
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 270.2 / 37
p0 37.28 ± 0.005171
p1 8.164e-07 ± 2.199e-07
37.4
37.35
37.3
37.25
37.2
37.15
37.1
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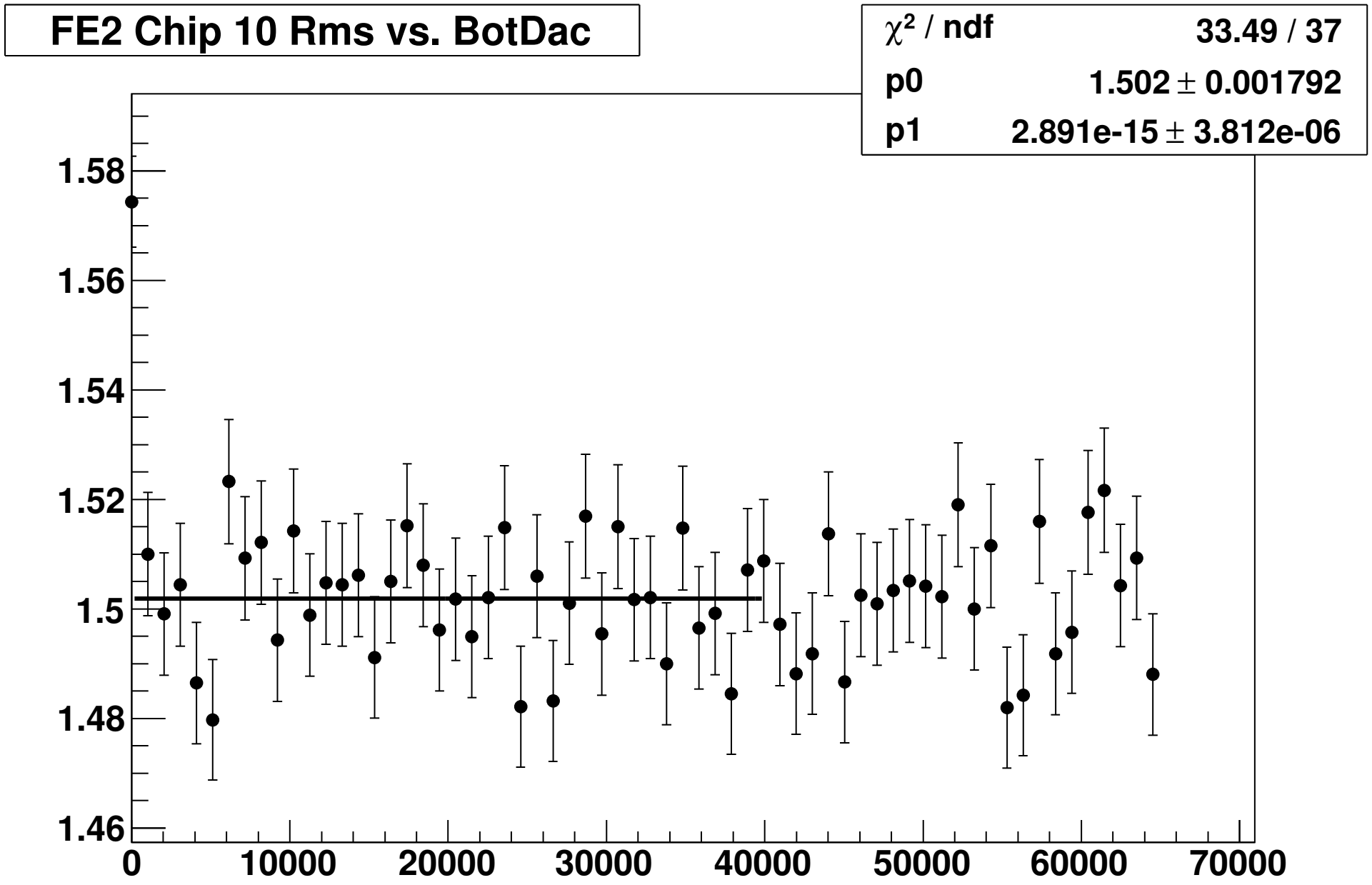
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 33.49 / 37
p0 1.502 ± 0.001792
p1 2.891e-15 ± 3.812e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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30000
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60000
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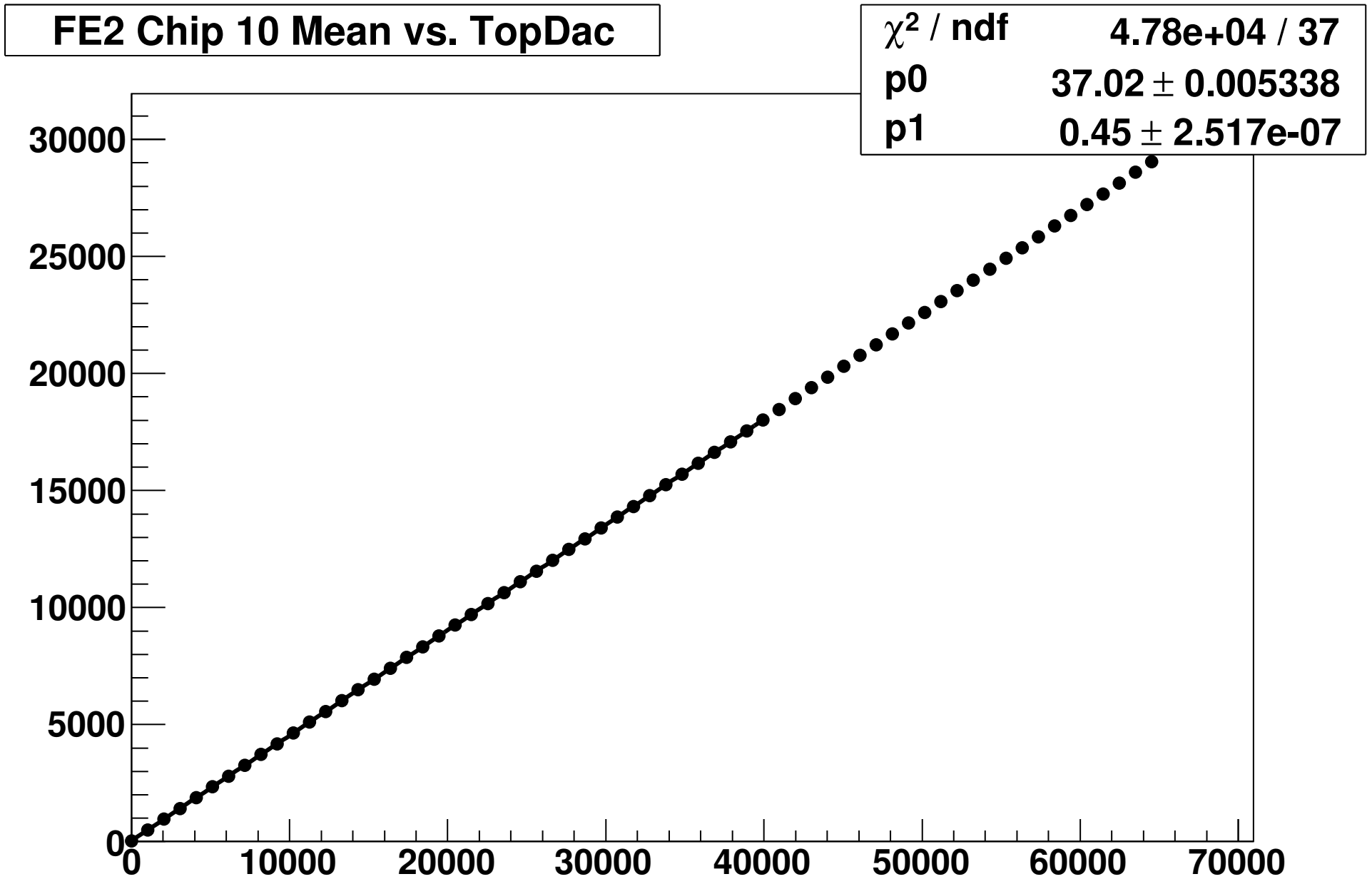
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 4.78e+04 / 37
p0 37.02 ± 0.005338
p1 0.45 ± 2.517e-07
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0
0
10000
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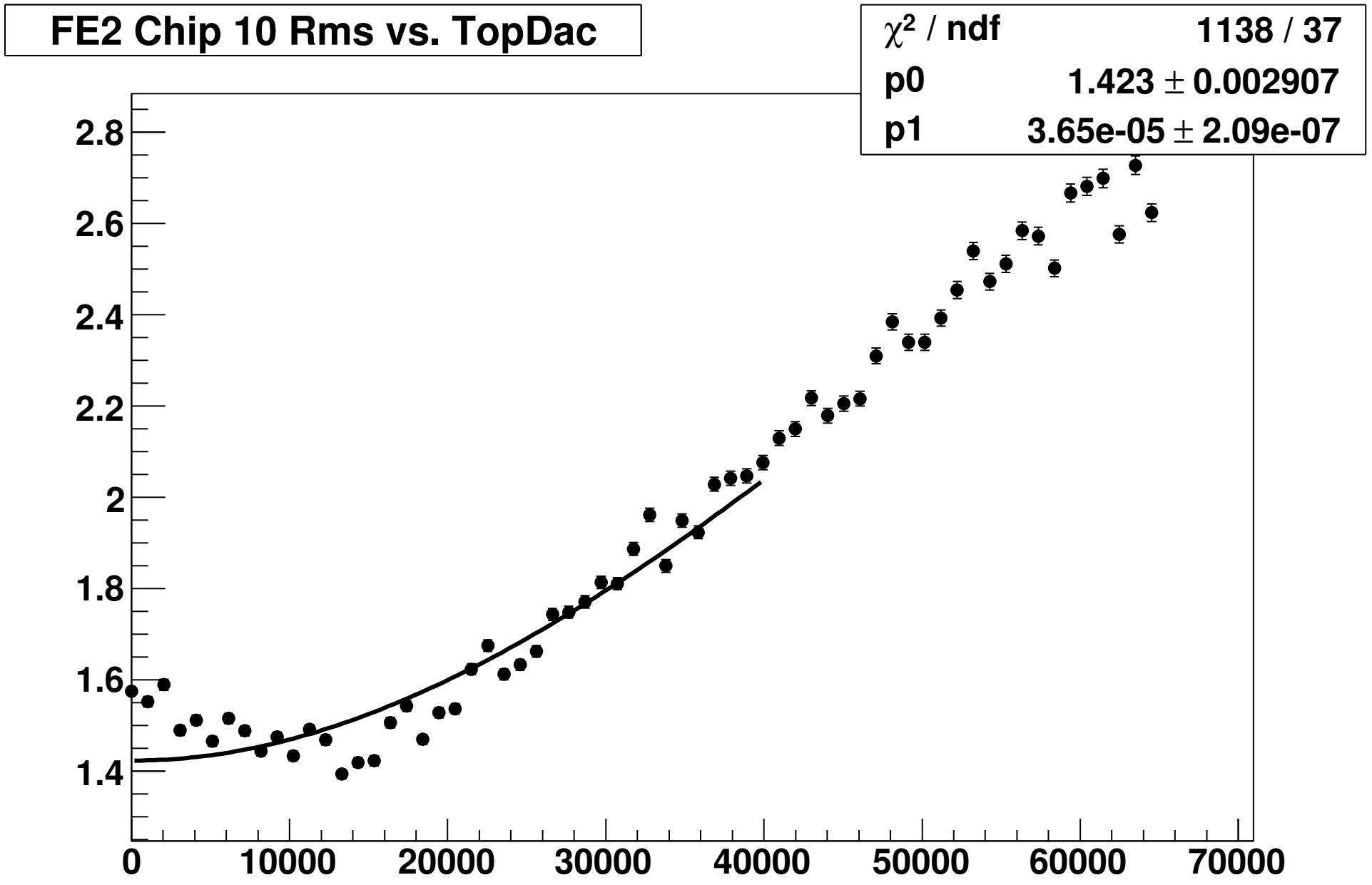
FE2 Chip 10 Rms vs. TopDac
χ² / ndf 1138 / 37
p0 1.423 ± 0.002907
p1 3.65e-05 ± 2.09e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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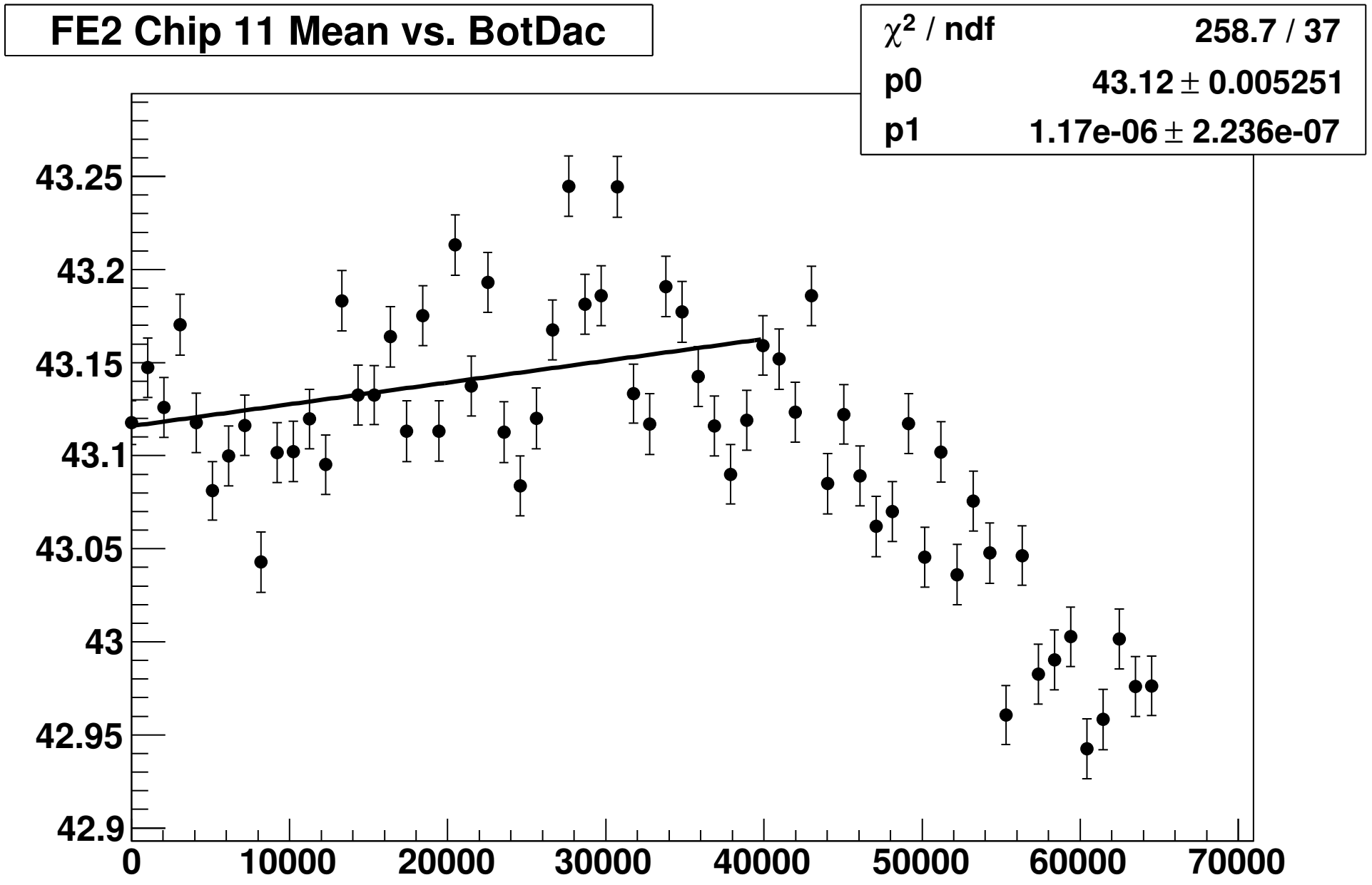
FE2 Chip 11 Mean vs. BotDac
χ² / ndf 258.7 / 37
p0 43.12 ± 0.005251
p1 1.17e-06 ± 2.236e-07
43.25
43.2
43.15
43.1
43.05
43
42.95
42.9
0
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50000
60000
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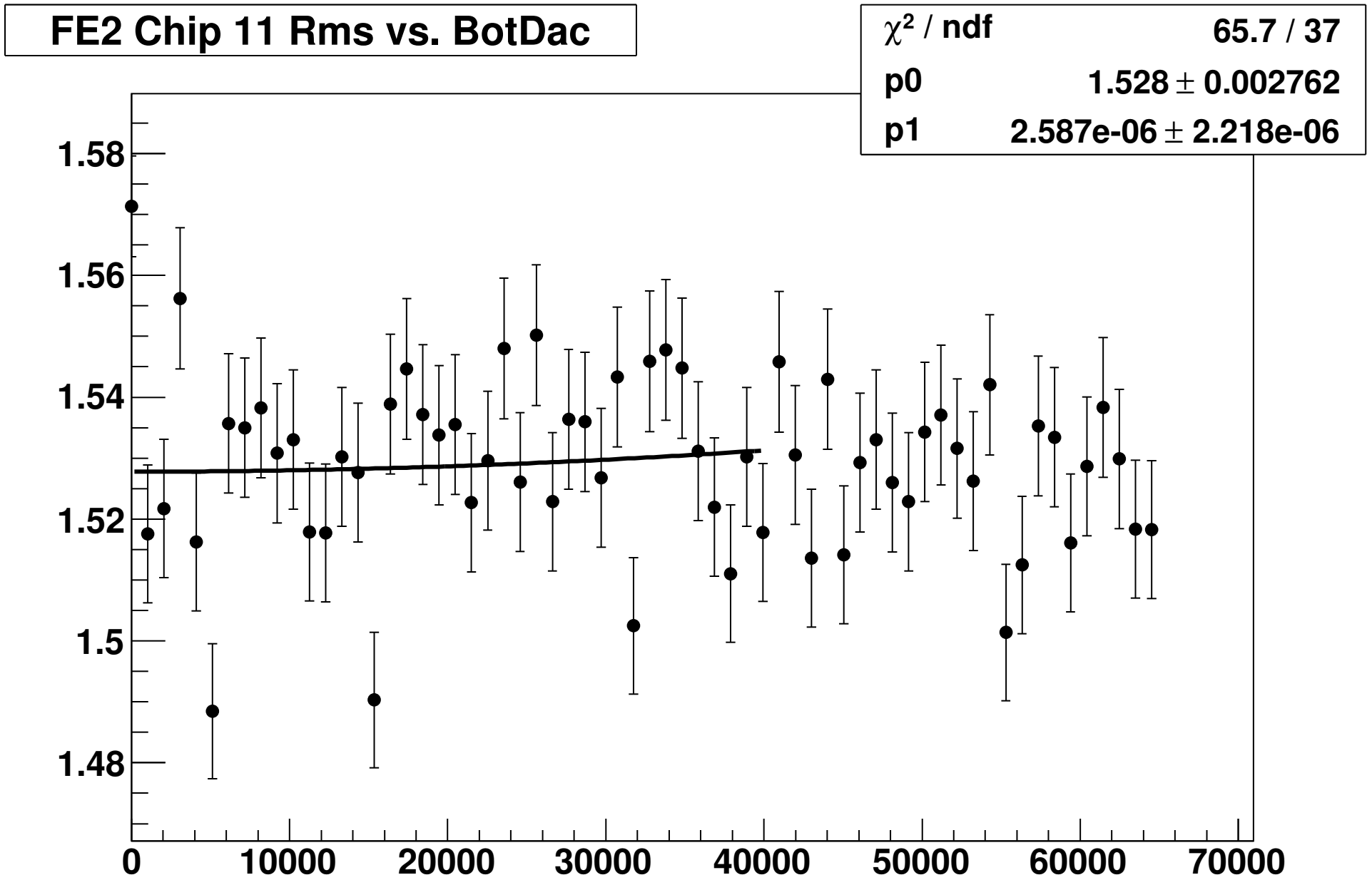
FE2 Chip 11 Rms vs. BotDac
χ² / ndf 65.7 / 37
p0 1.528 ± 0.002762
p1 2.587e-06 ± 2.218e-06
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1.56
1.54
1.52
1.5
1.48
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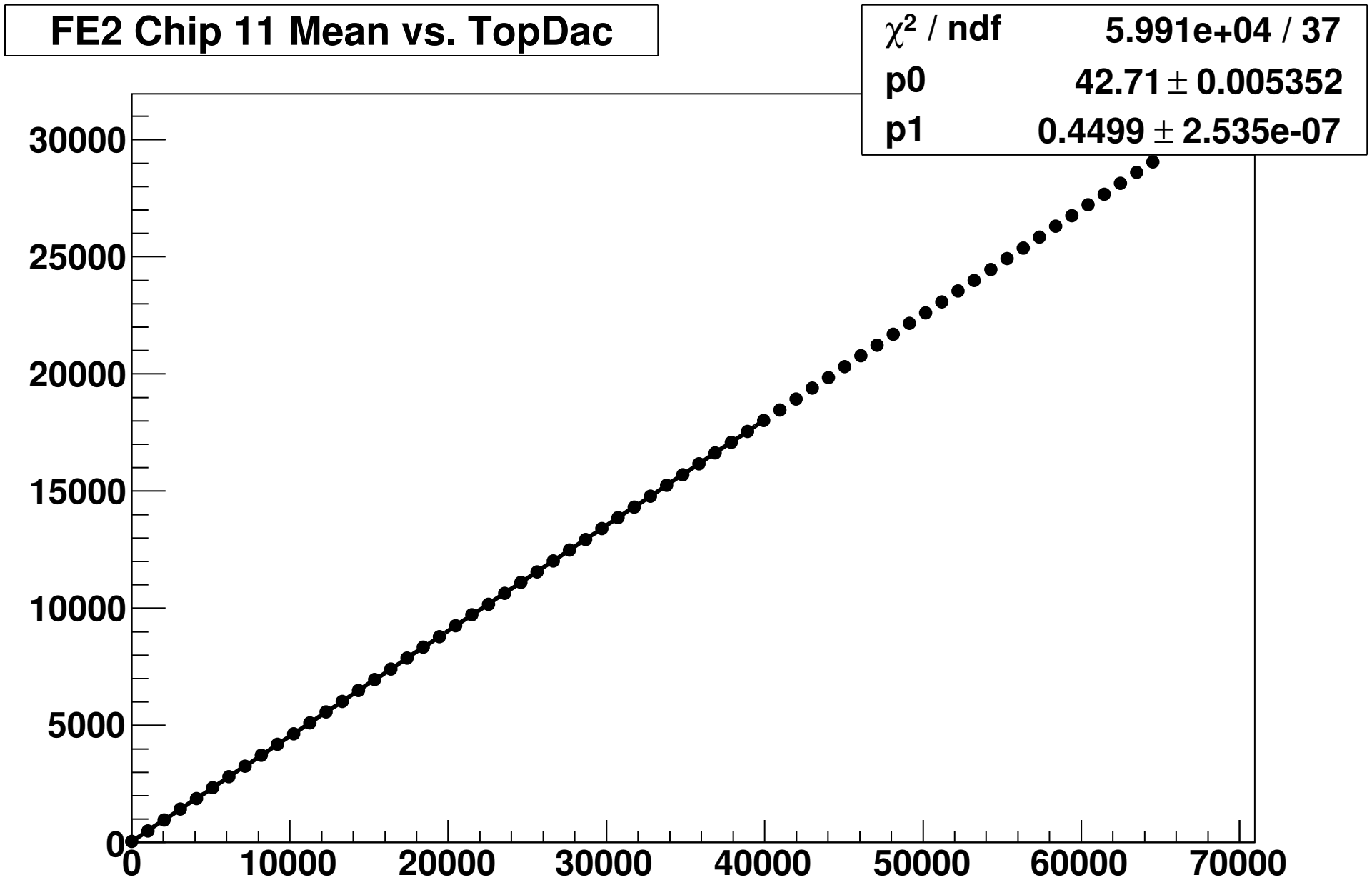
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 5.991e+04 / 37
p0 42.71 ± 0.005352
p1 0.4499 ± 2.535e-07
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0
0
10000
20000
30000
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50000
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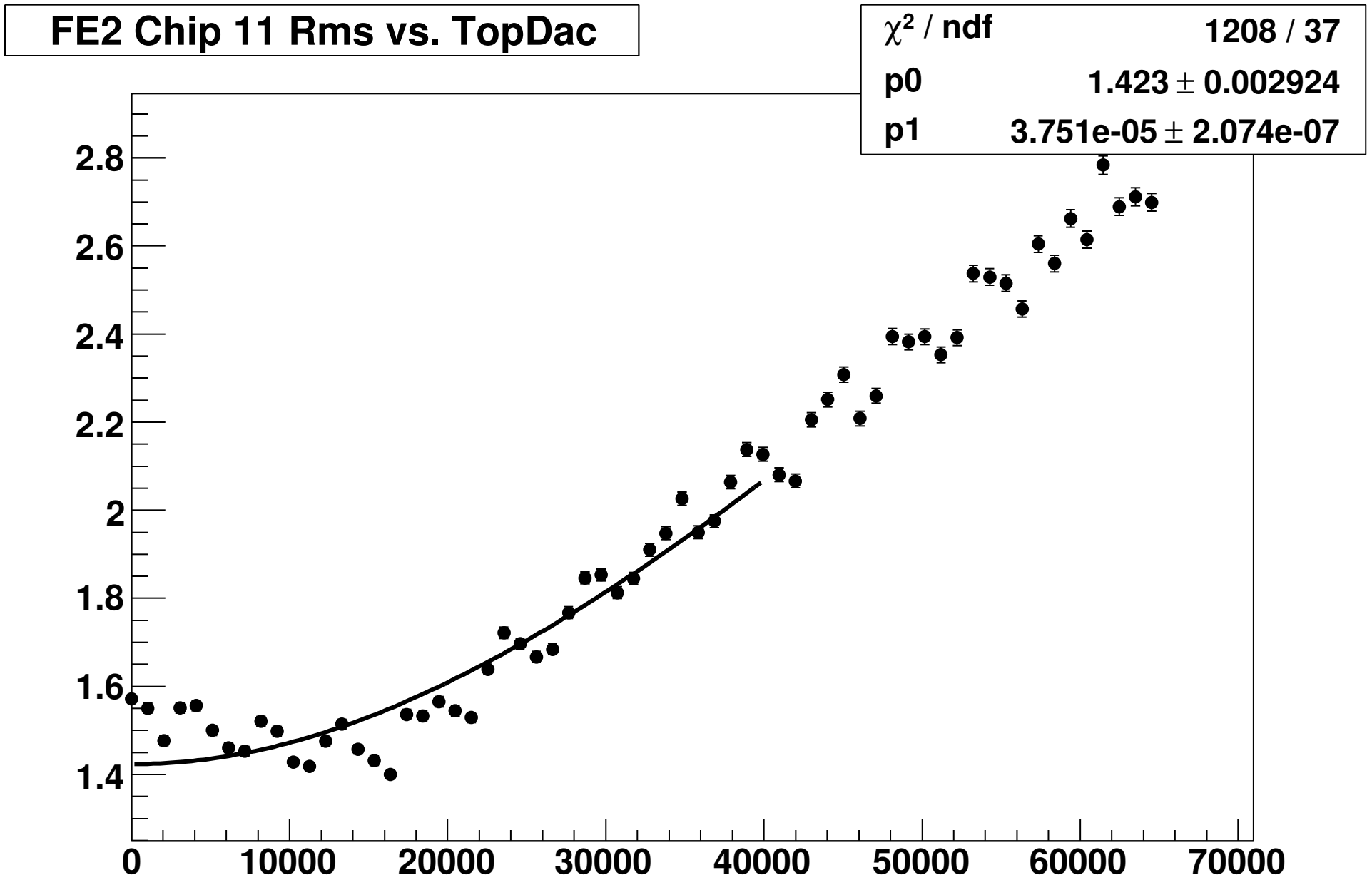
FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1208 / 37
p0 1.423 ± 0.002924
p1 3.751e-05 ± 2.074e-07
2.8
2.6
2.4
2.2
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1.8
1.6
1.4
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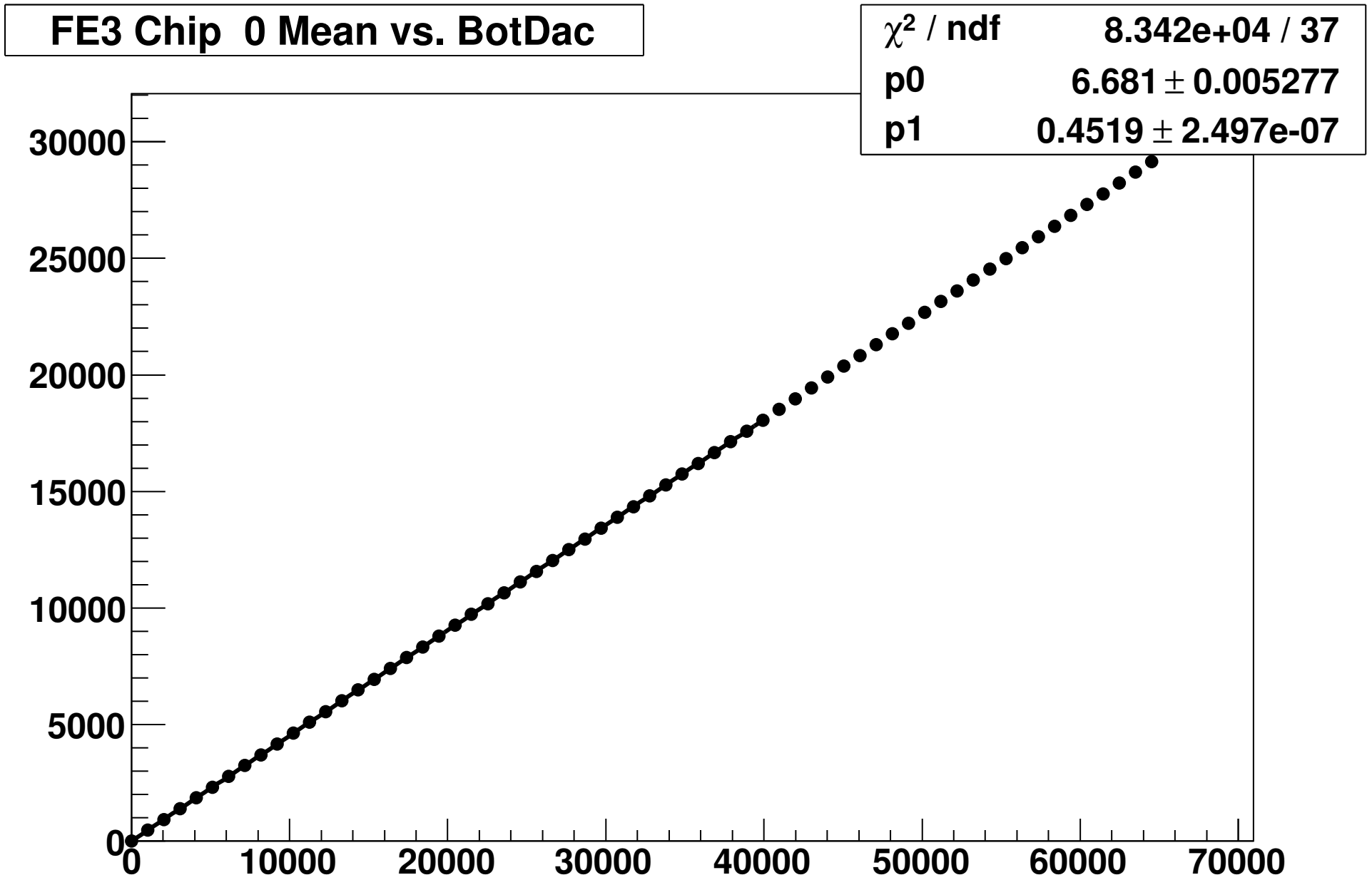
FE3 Chip 0 Mean vs. BotDac
χ² / ndf 8.342e+04 / 37
p0 6.681 ± 0.005277
p1 0.4519 ± 2.497e-07
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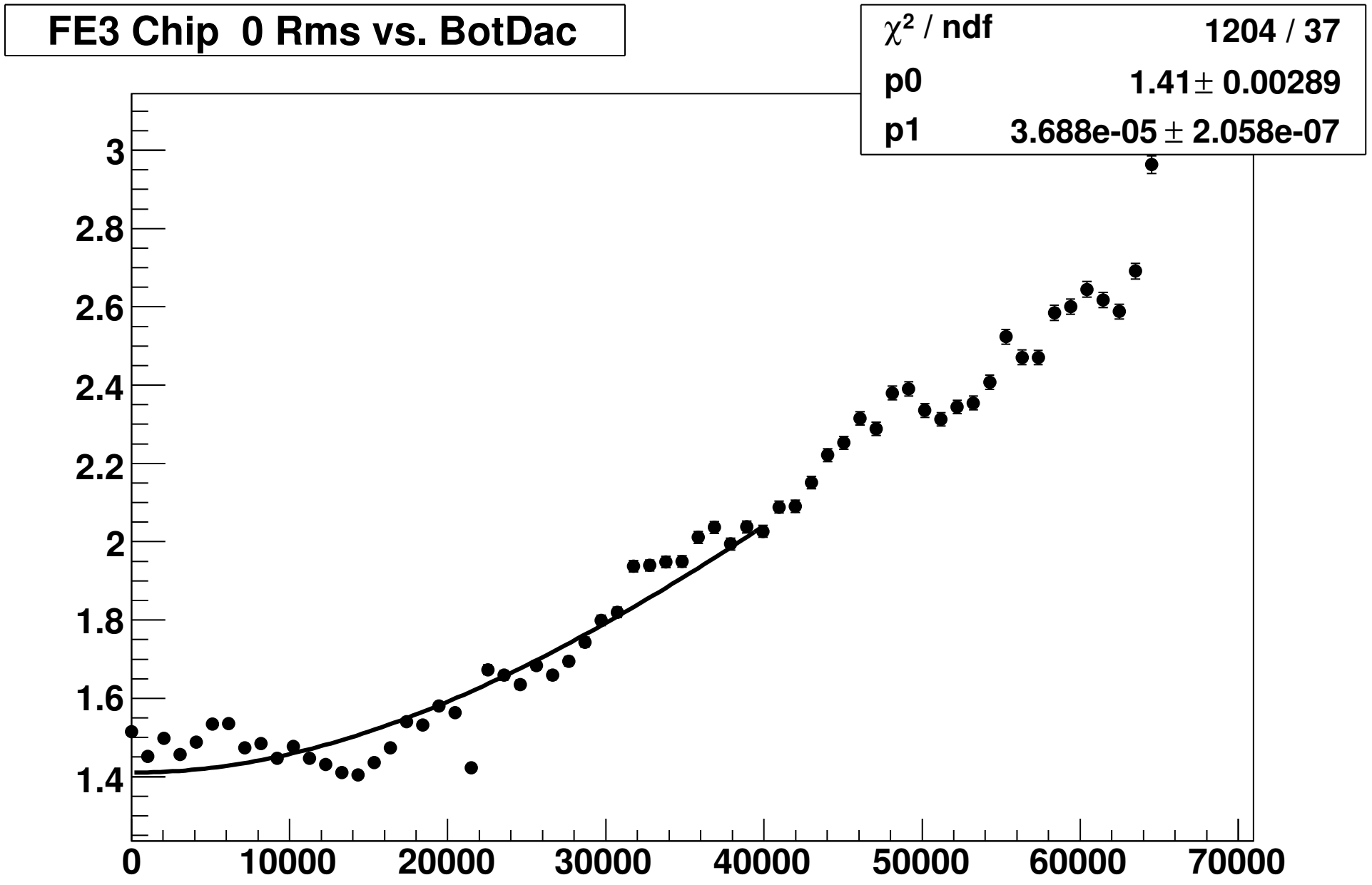
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 1204 / 37
p0 1.41 ± 0.00289
p1 3.688e-05 ± 2.058e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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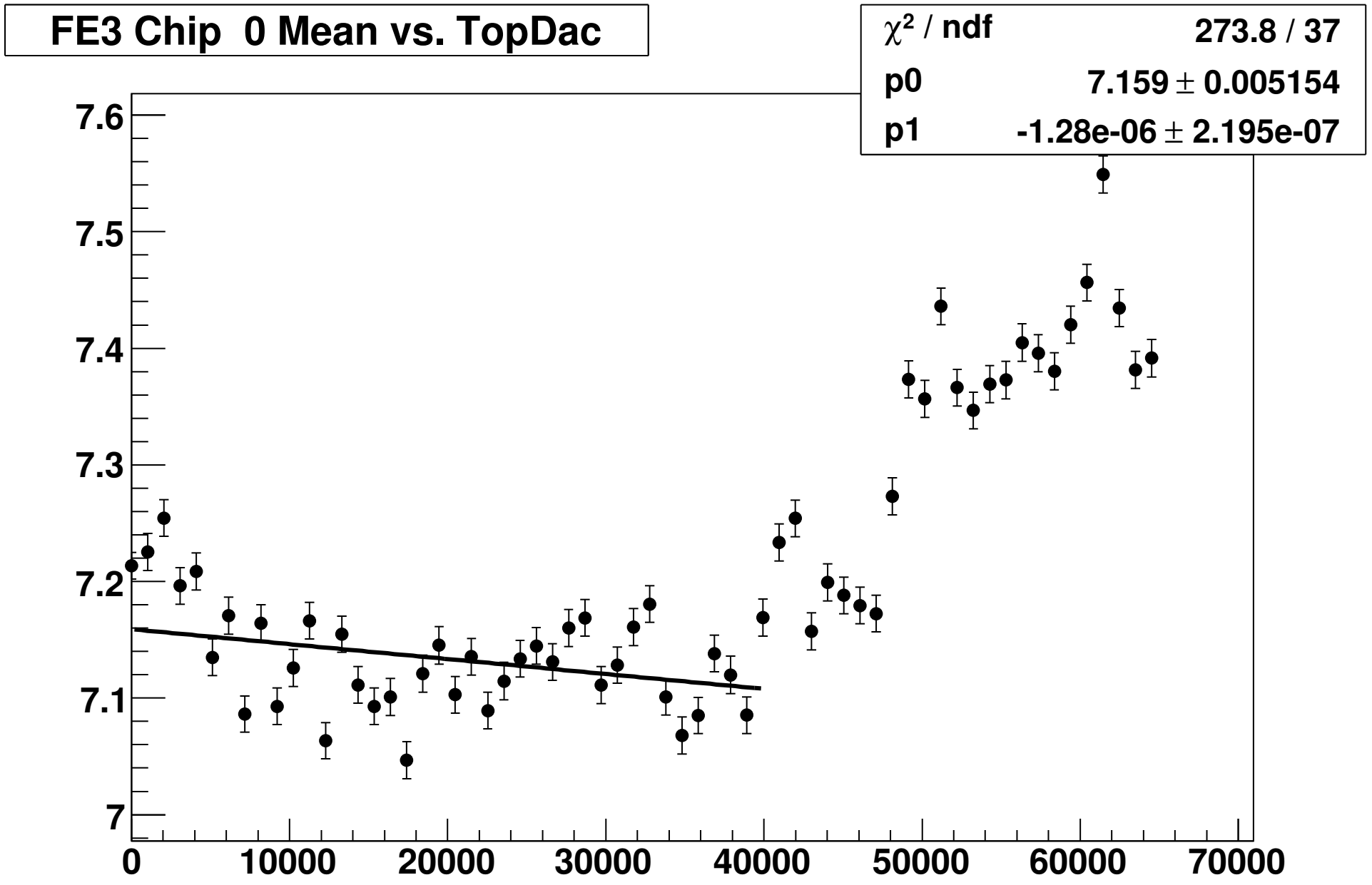
FE3 Chip 0 Mean vs. TopDac
χ² / ndf 273.8 / 37
p0 7.159 ± 0.005154
p1 -1.28e-06 ± 2.195e-07
7.6
7.5
7.4
7.3
7.2
7.1
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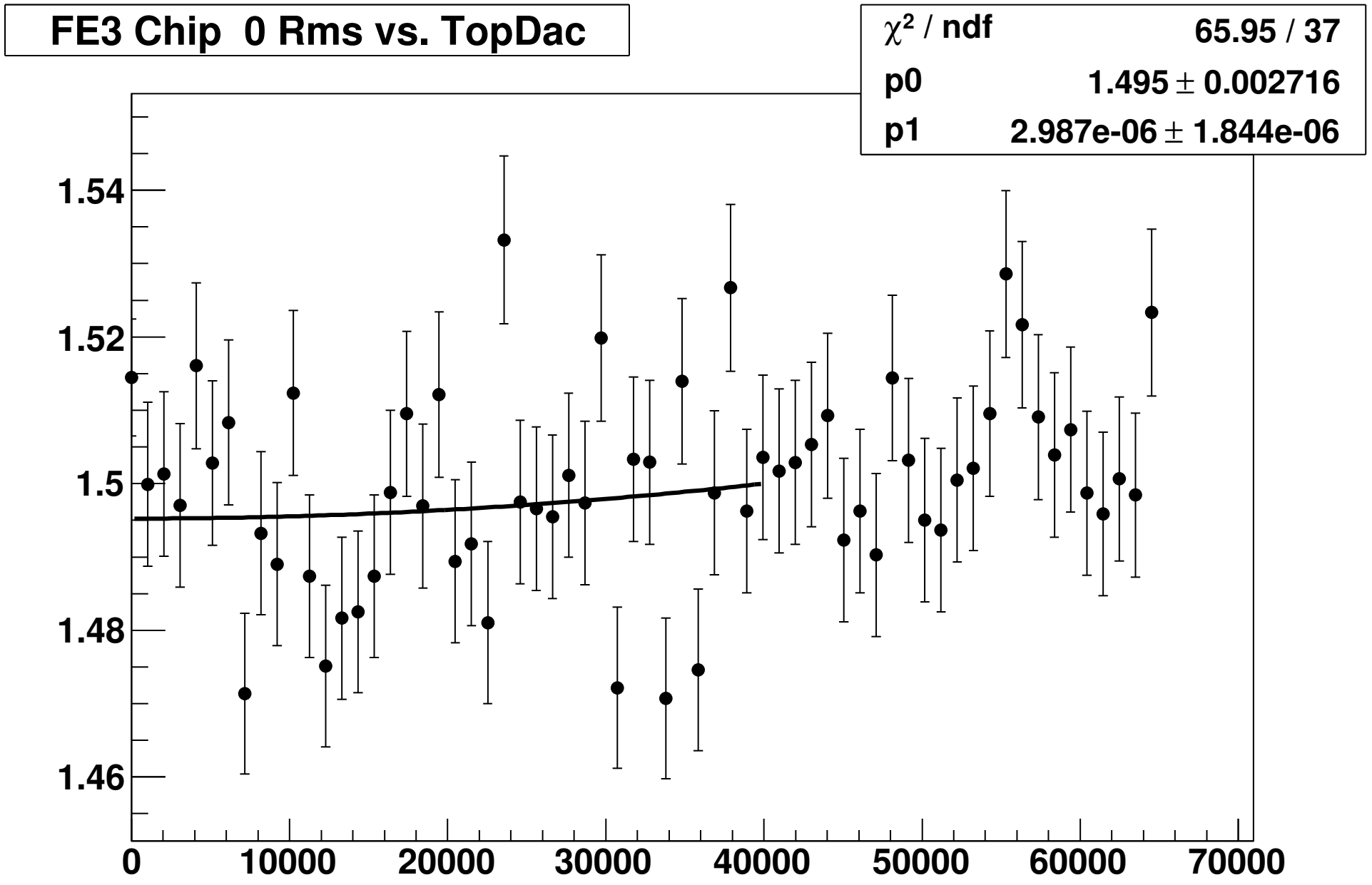
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 65.95 / 37
p0 1.495 ± 0.002716
p1 2.987e-06 ± 1.844e-06
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1.52
1.5
1.48
1.46
0
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20000
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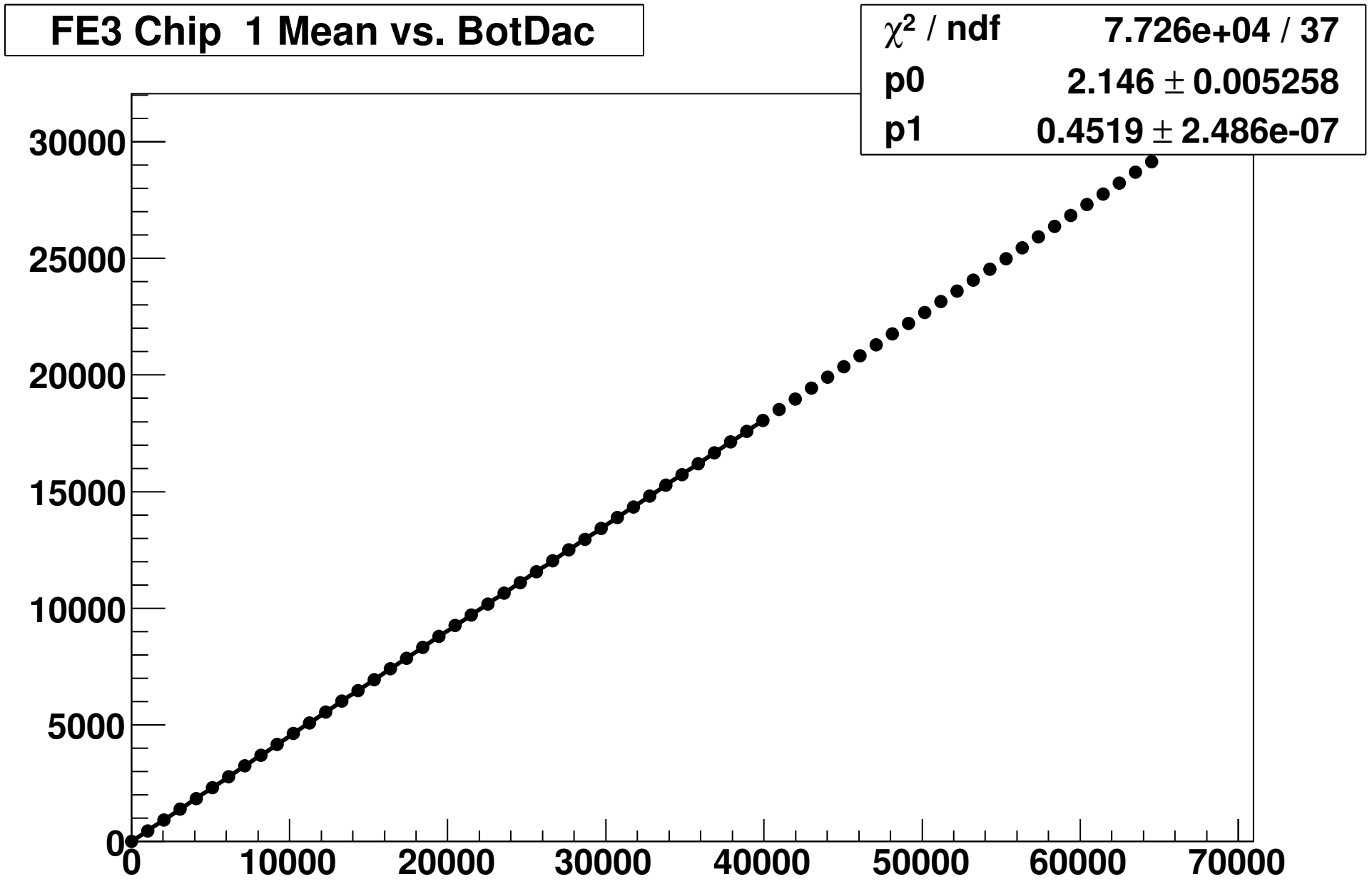
FE3 Chip 1 Mean vs. BotDac
χ² / ndf 7.726e+04 / 37
p0 2.146 ± 0.005258
p1 0.4519 ± 2.486e-07
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10000
20000
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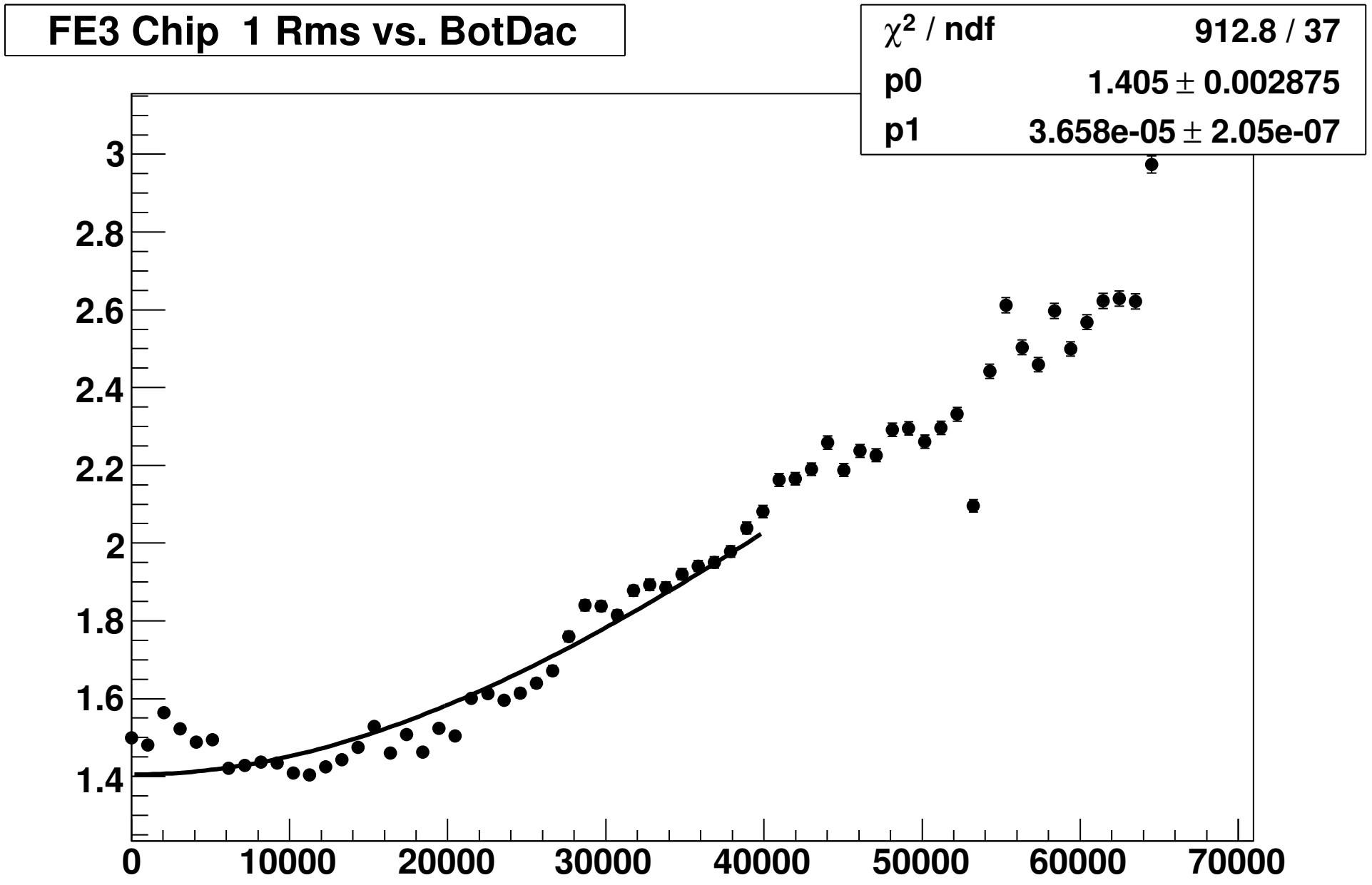
FE3 Chip 1 Rms vs. BotDac
χ² / ndf 912.8 / 37
p0 1.405 ± 0.002875
p1 3.658e-05 ± 2.05e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
30000
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50000
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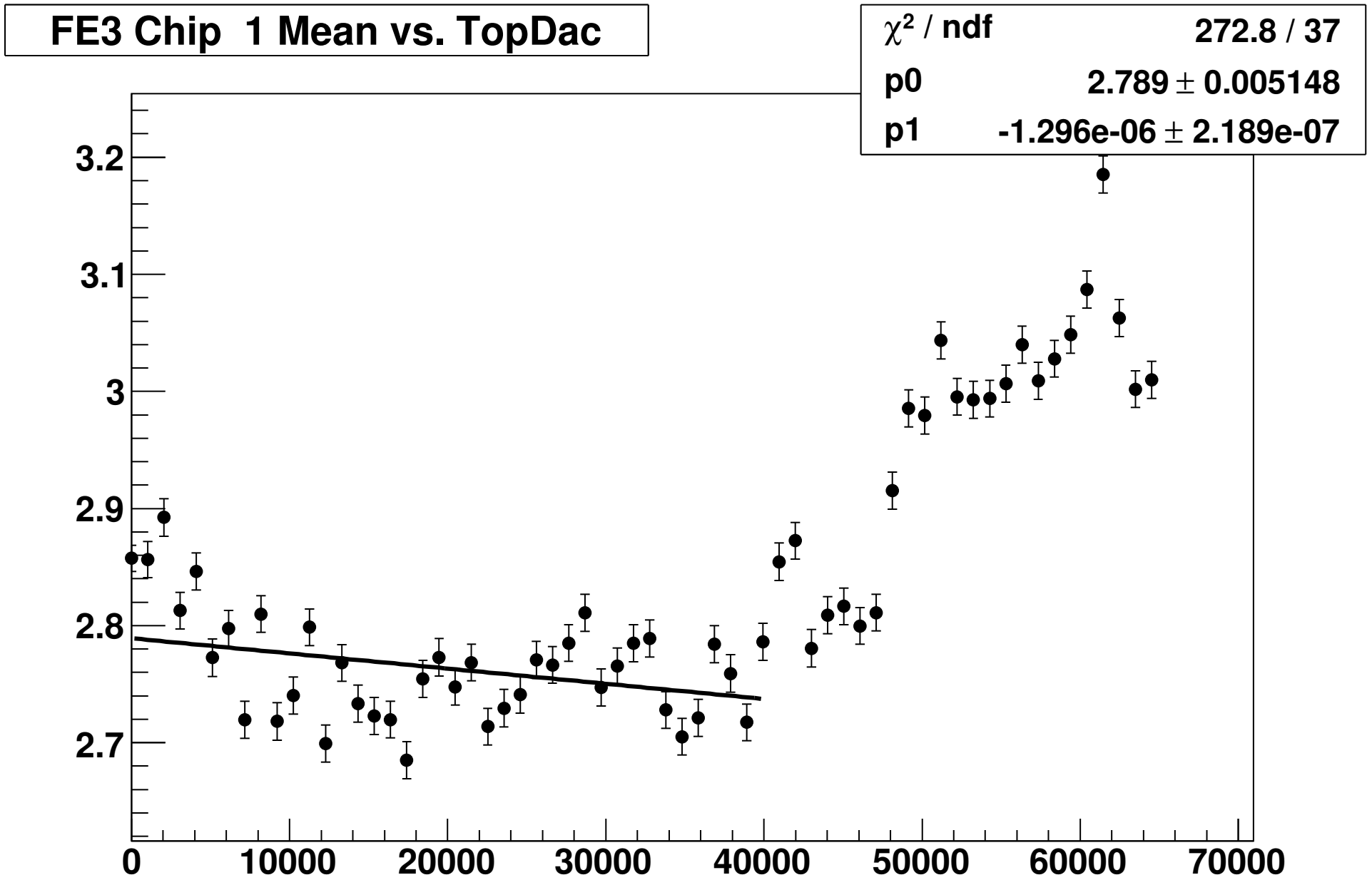
FE3 Chip 1 Mean vs. TopDac
χ² / ndf 272.8 / 37
p0 2.789 ± 0.005148
p1 -1.296e-06 ± 2.189e-07
3.2
3.1
3
2.9
2.8
2.7
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20000
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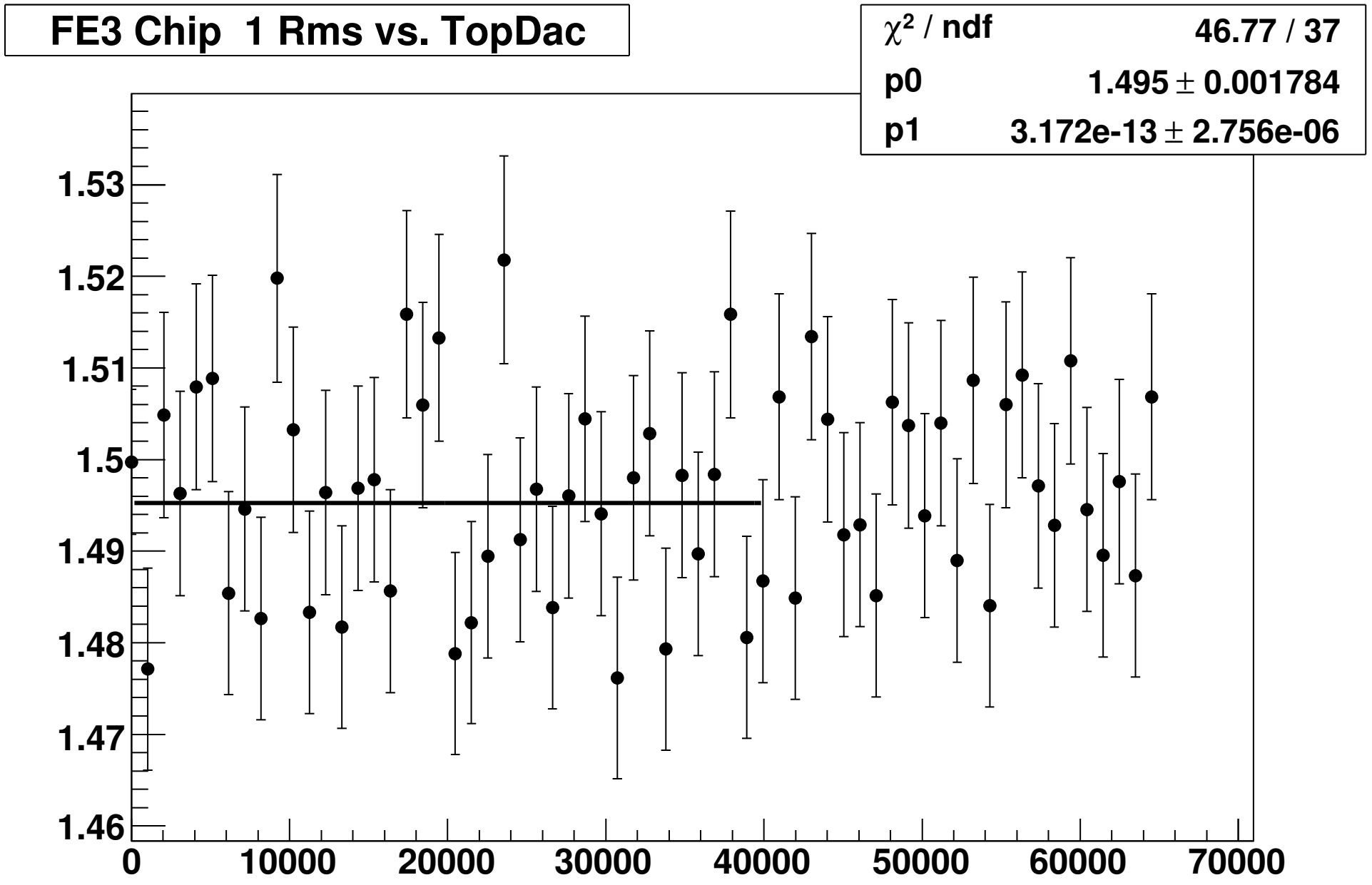
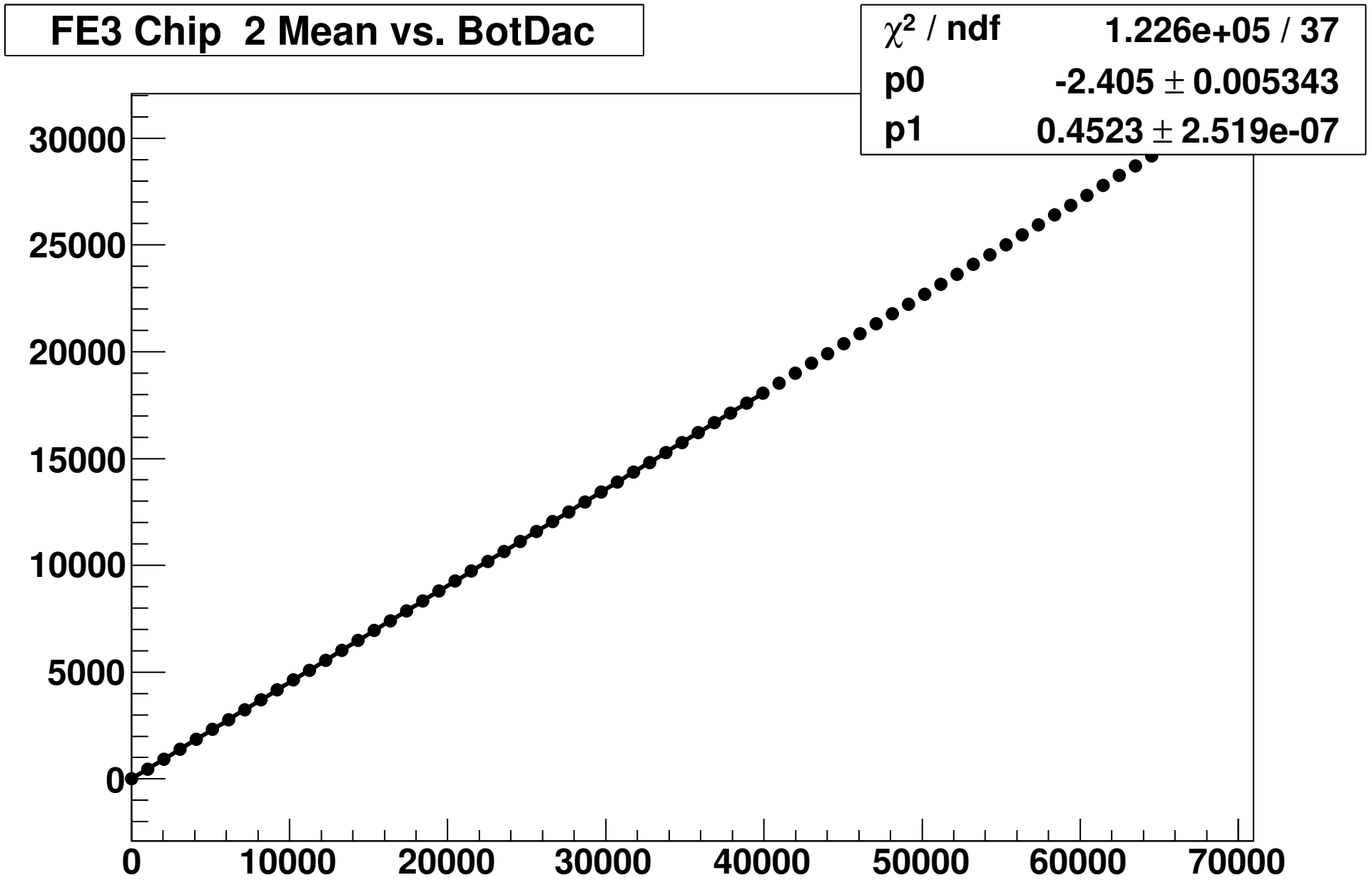

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 46.77 / 37
p0 1.495 ± 0.001784
p1 3.172e-13 ± 2.756e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.226e+05 / 37
p0 -2.405 ± 0.005343
p1 0.4523 ± 2.519e-07
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25000
20000
15000
10000
5000
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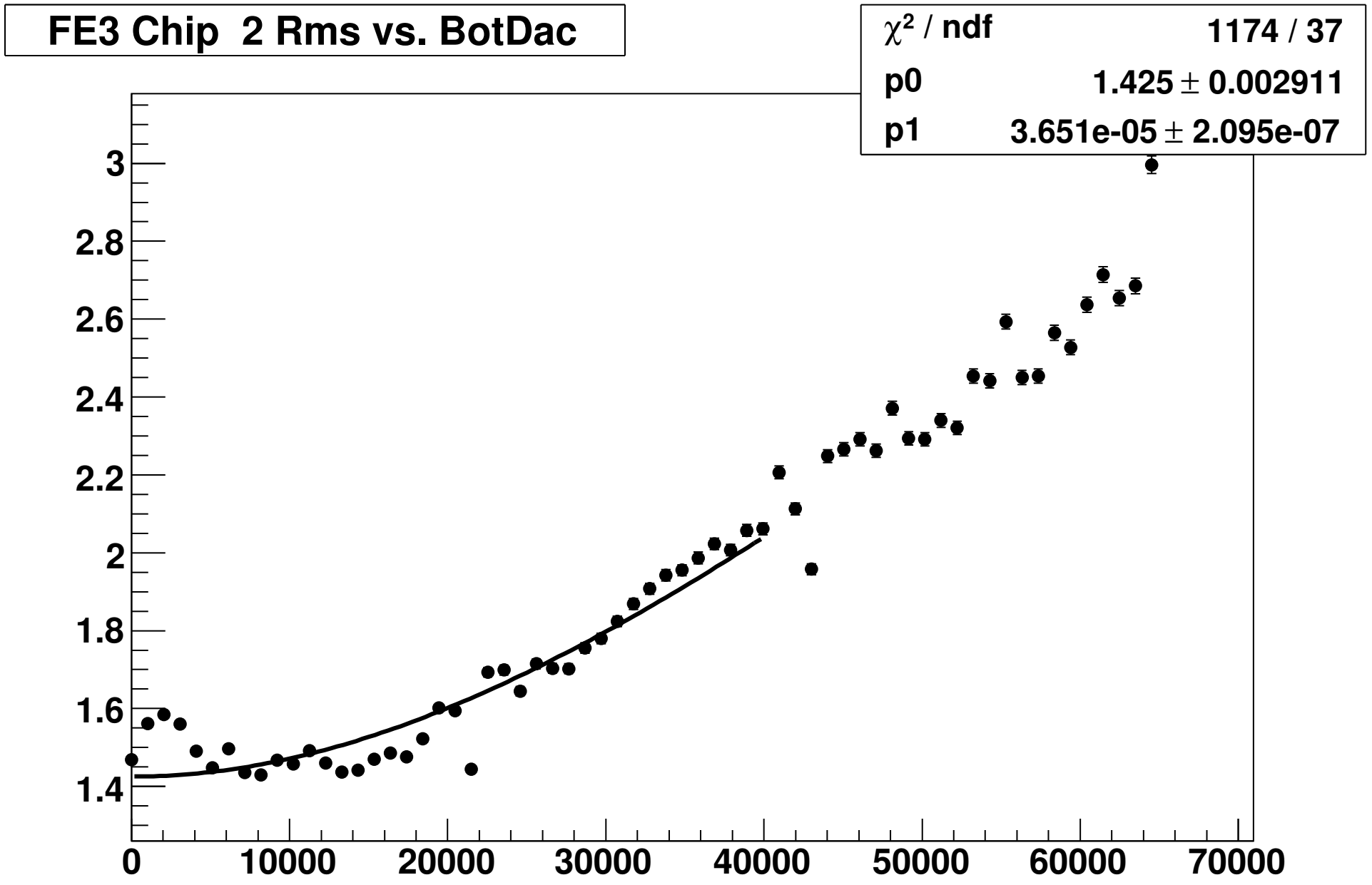
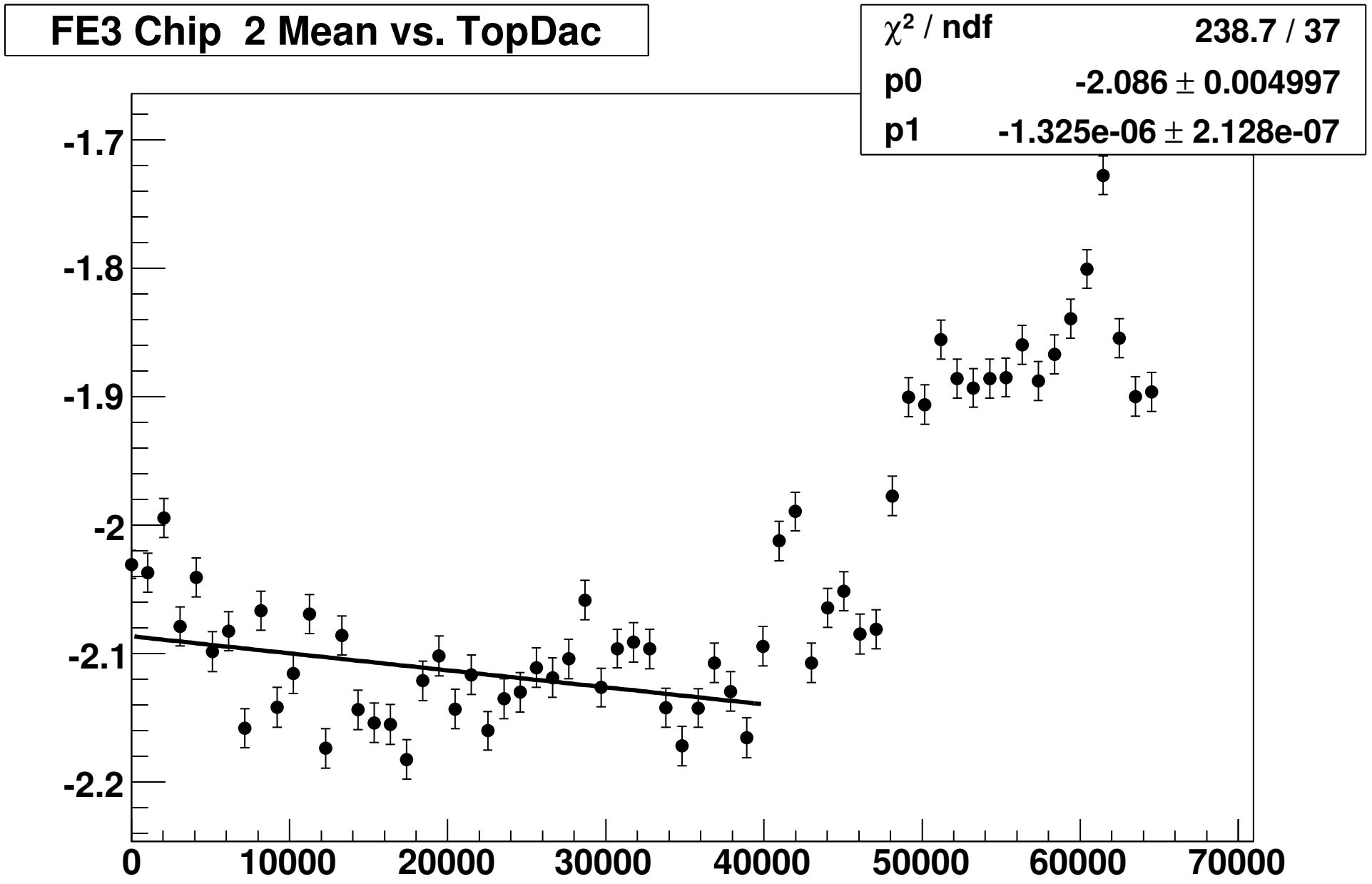
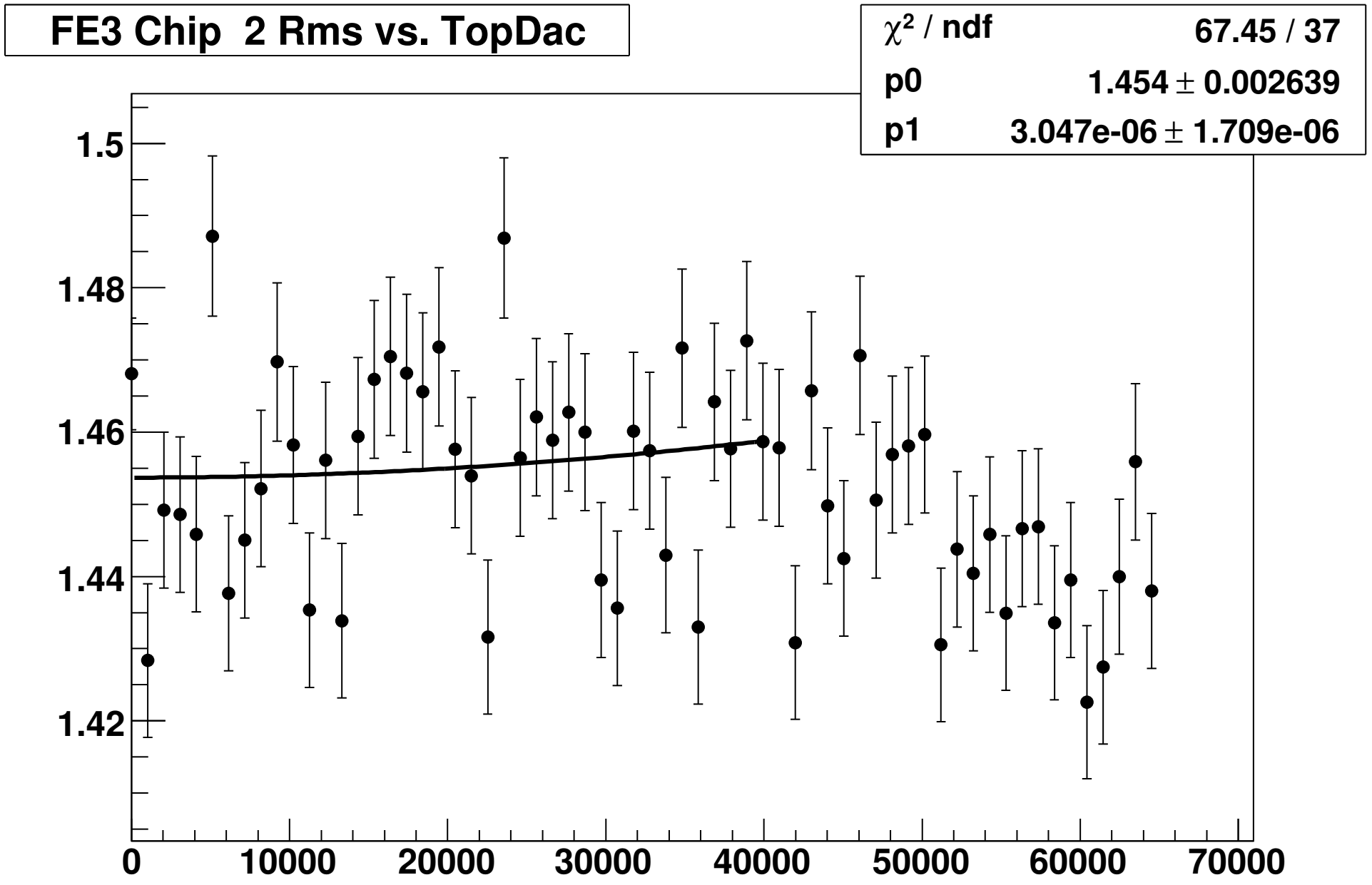
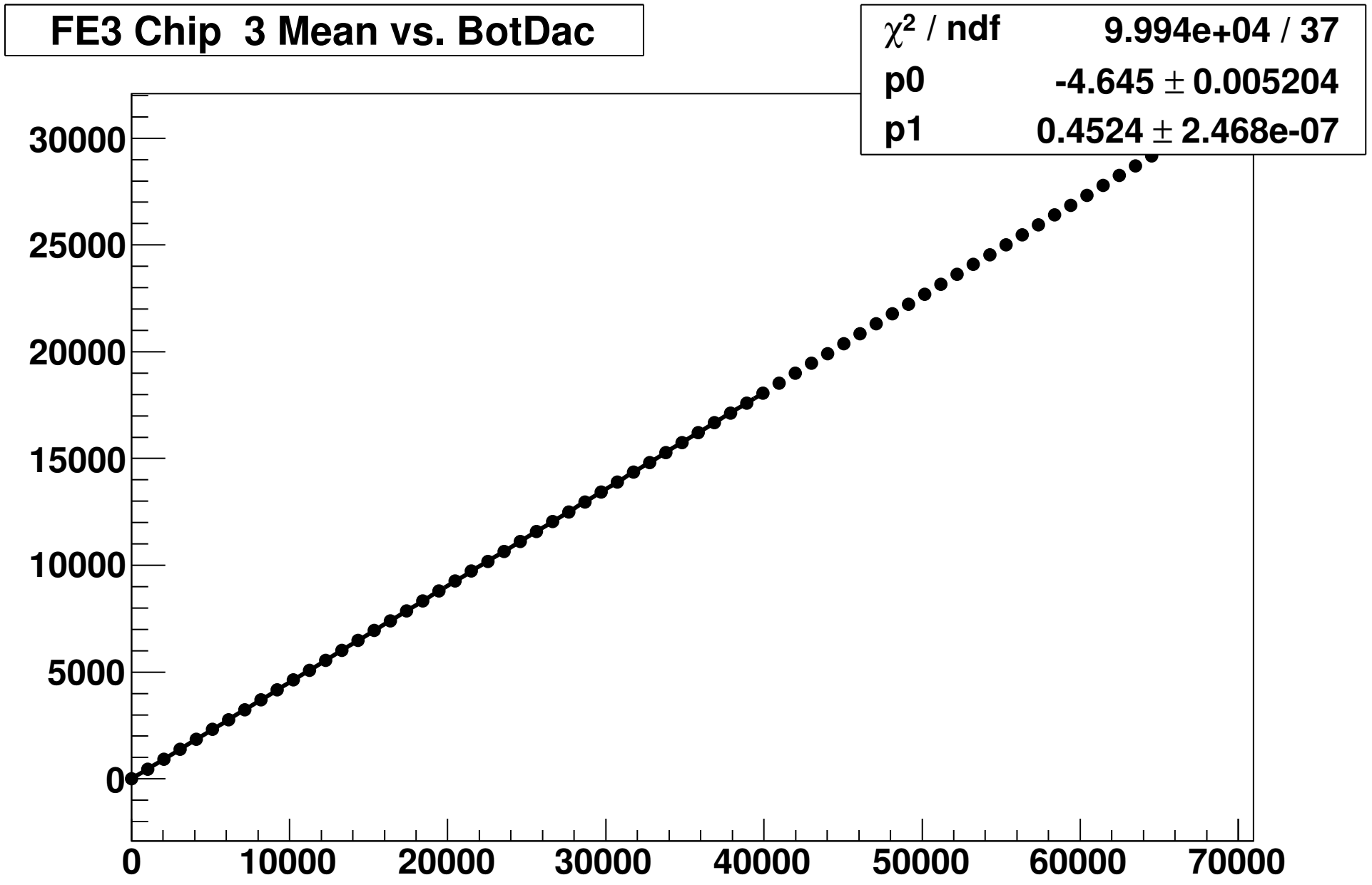
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1174 / 37
p0 1.425 ± 0.002911
p1 3.651e-05 ± 2.095e-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


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 238.7 / 37
p0 -2.086 ± 0.004997
p1 -1.325e-06 ± 2.128e-07
-1.7
-1.8
-1.9
-2
-2.1
-2.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 67.45 / 37
p0 1.454 ± 0.002639
p1 3.047e-06 ± 1.709e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 9.994e+04 / 37
p0 -4.645 ± 0.005204
p1 0.4524 ± 2.468e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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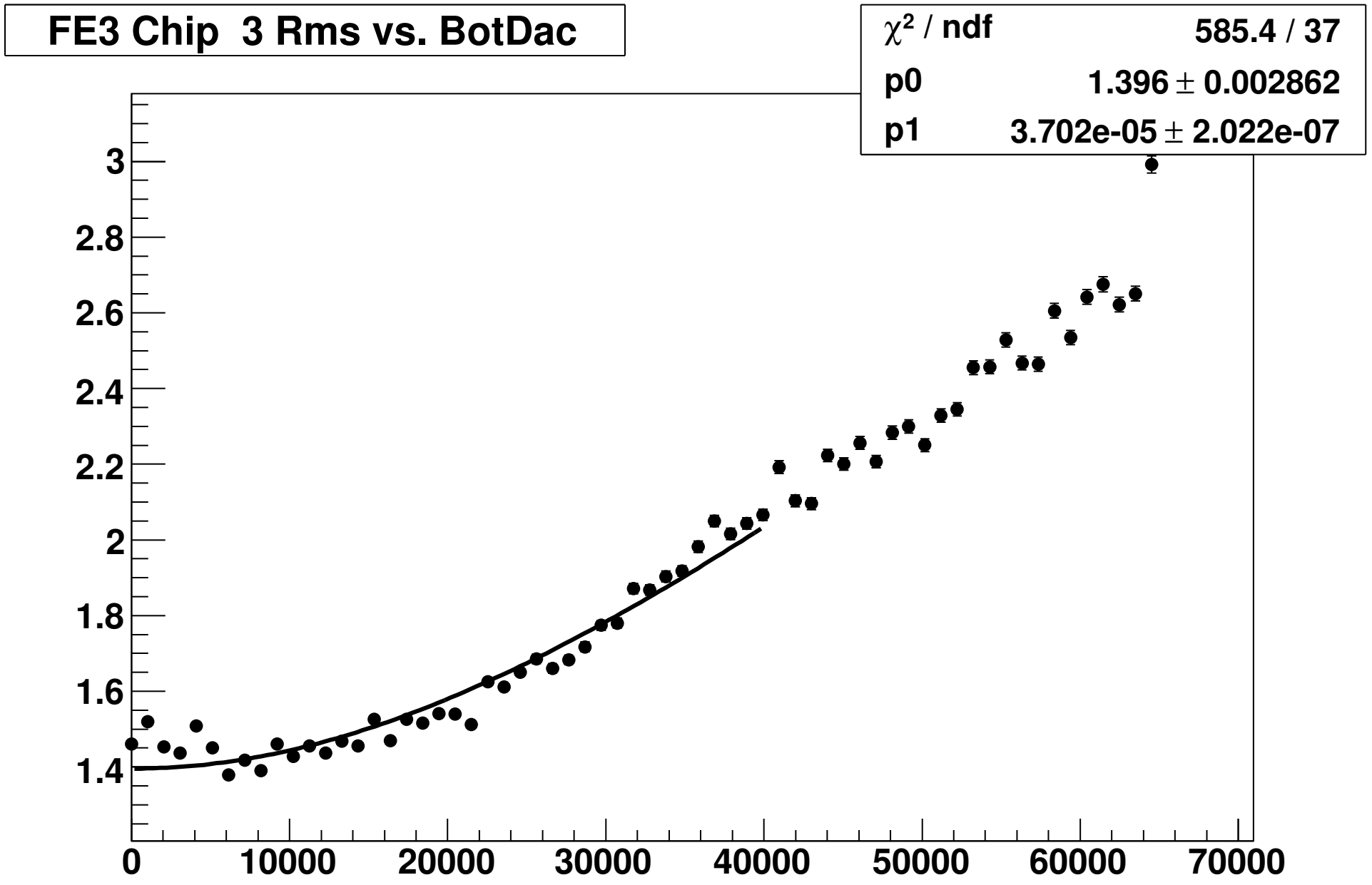
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 585.4 / 37
p0 1.396 ± 0.002862
p1 3.702e-05 ± 2.022e-07
3
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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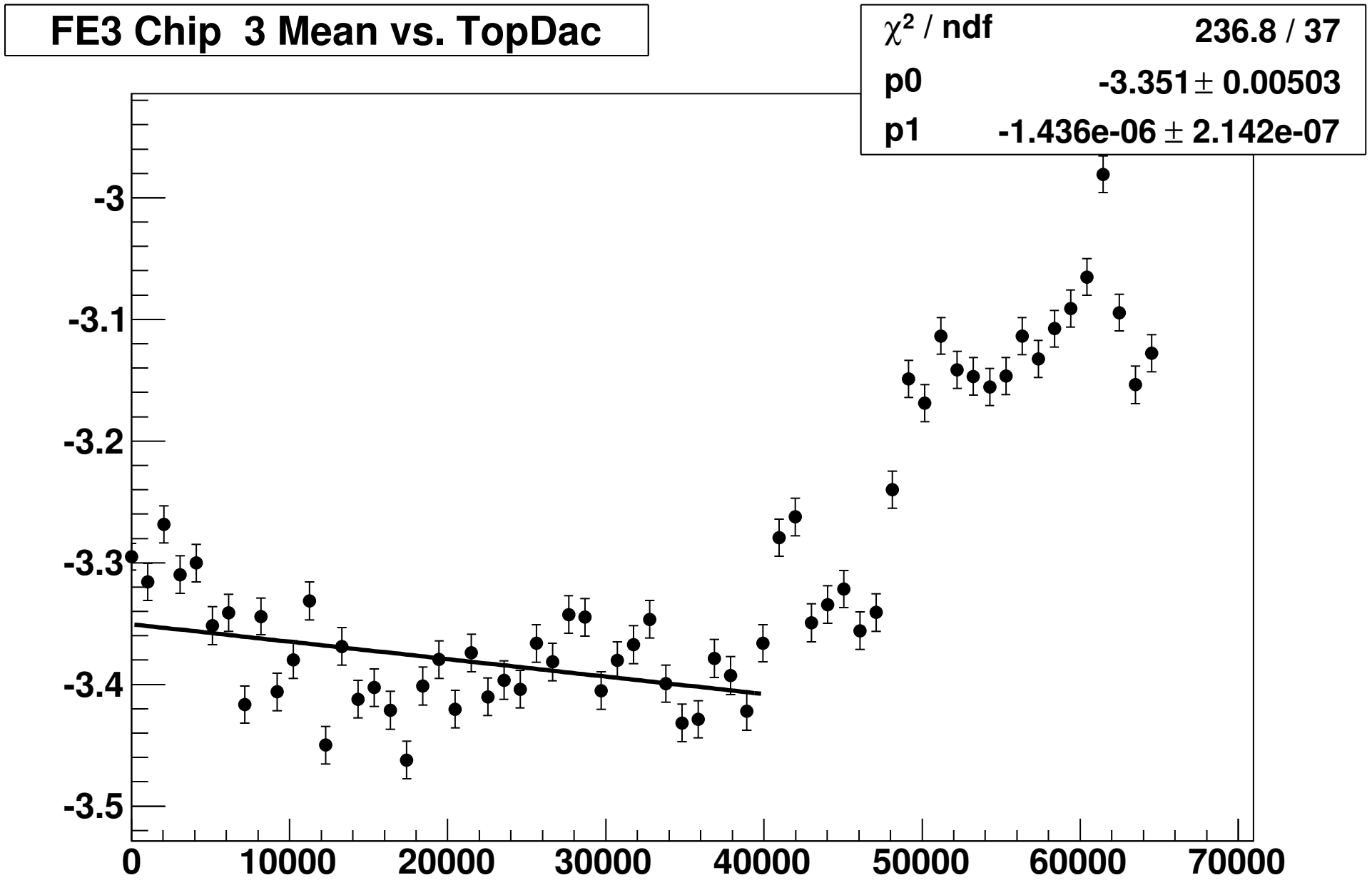
FE3 Chip 3 Mean vs. TopDac
χ² / ndf 236.8 / 37
p0 -3.351 ± 0.00503
p1 -1.436e-06 ± 2.142e-07
-3
-3.1
-3.2
-3.3
-3.4
-3.5
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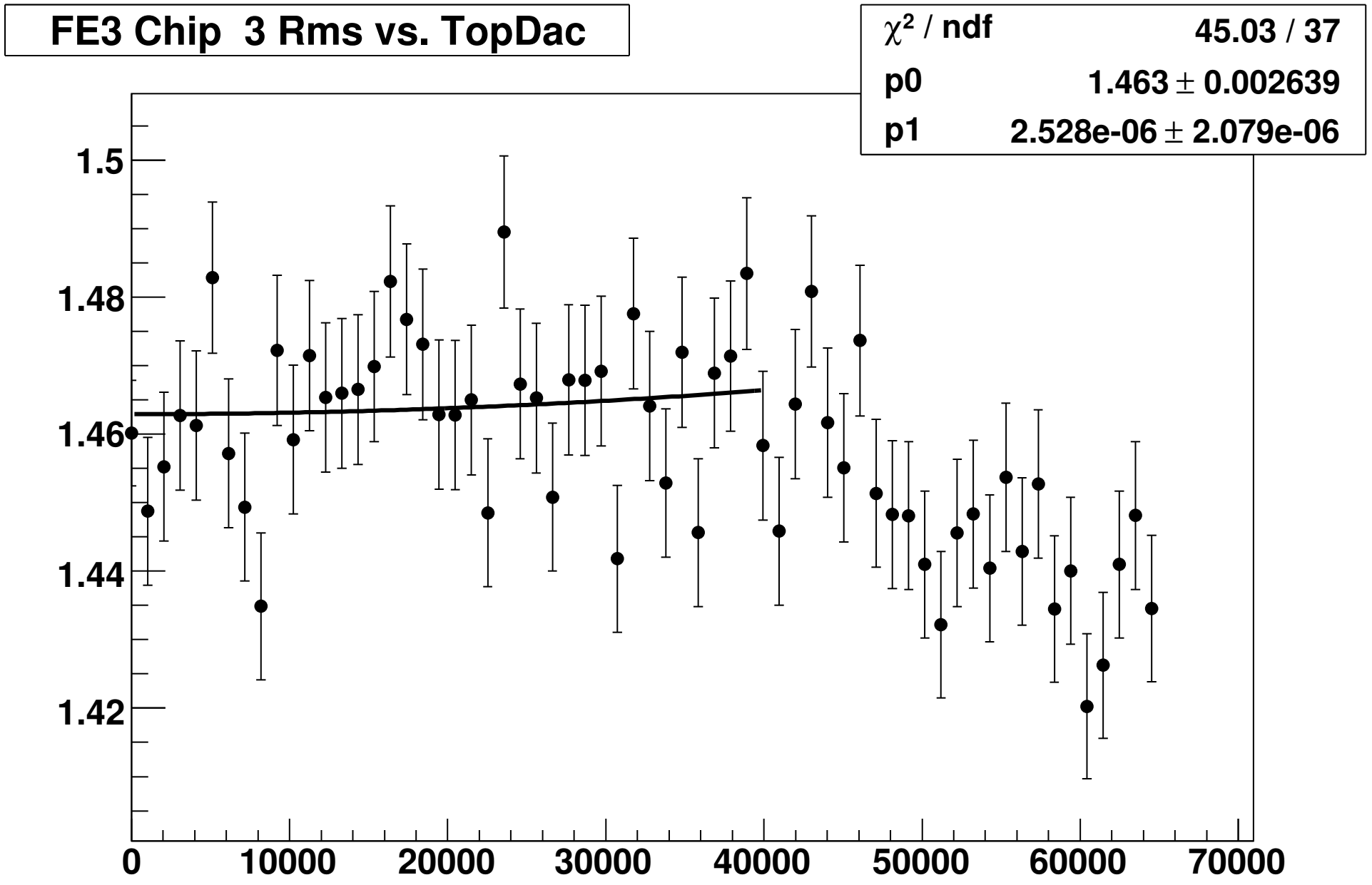
FE3 Chip 3 Rms vs. TopDac
χ² / ndf 45.03 / 37
p0 1.463 ± 0.002639
p1 2.528e-06 ± 2.079e-06
1.5
1.48
1.46
1.44
1.42
0
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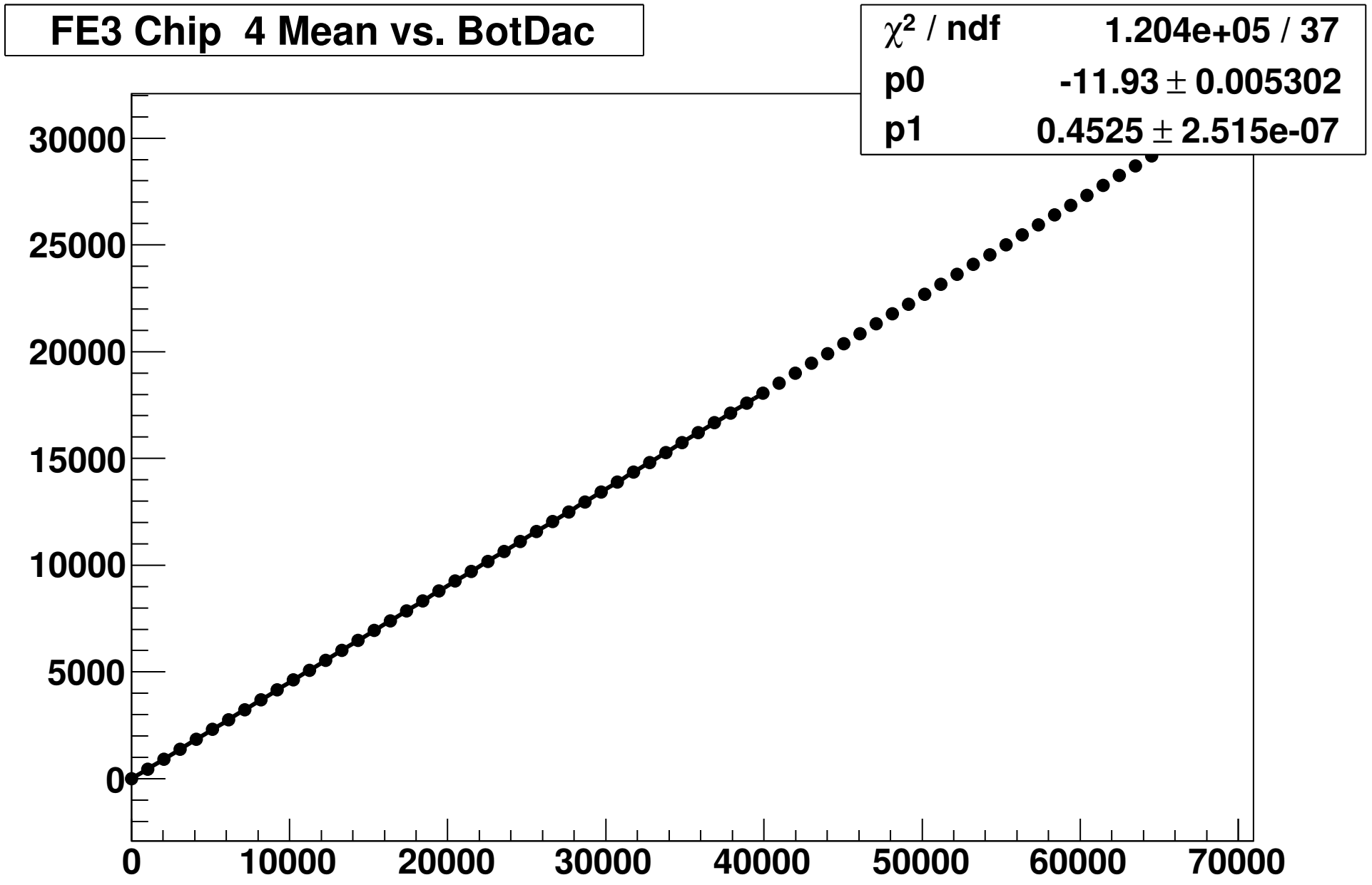
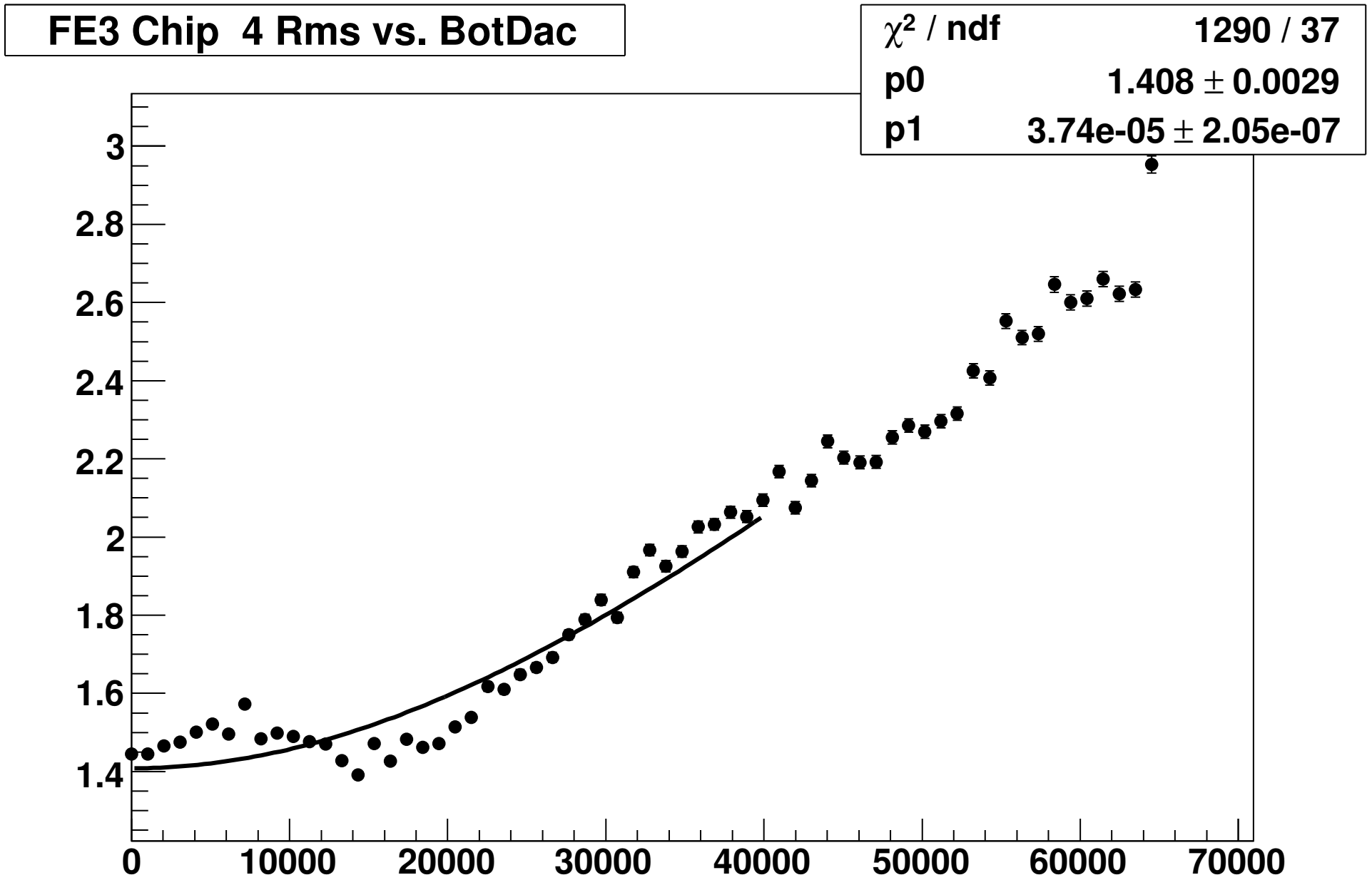

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 1.204e+05 / 37
p0 -11.93 ± 0.005302
p1 0.4525 ± 2.515e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1290 / 37
p0 1.408 ± 0.0029
p1 3.74e-05 ± 2.05e-07
3
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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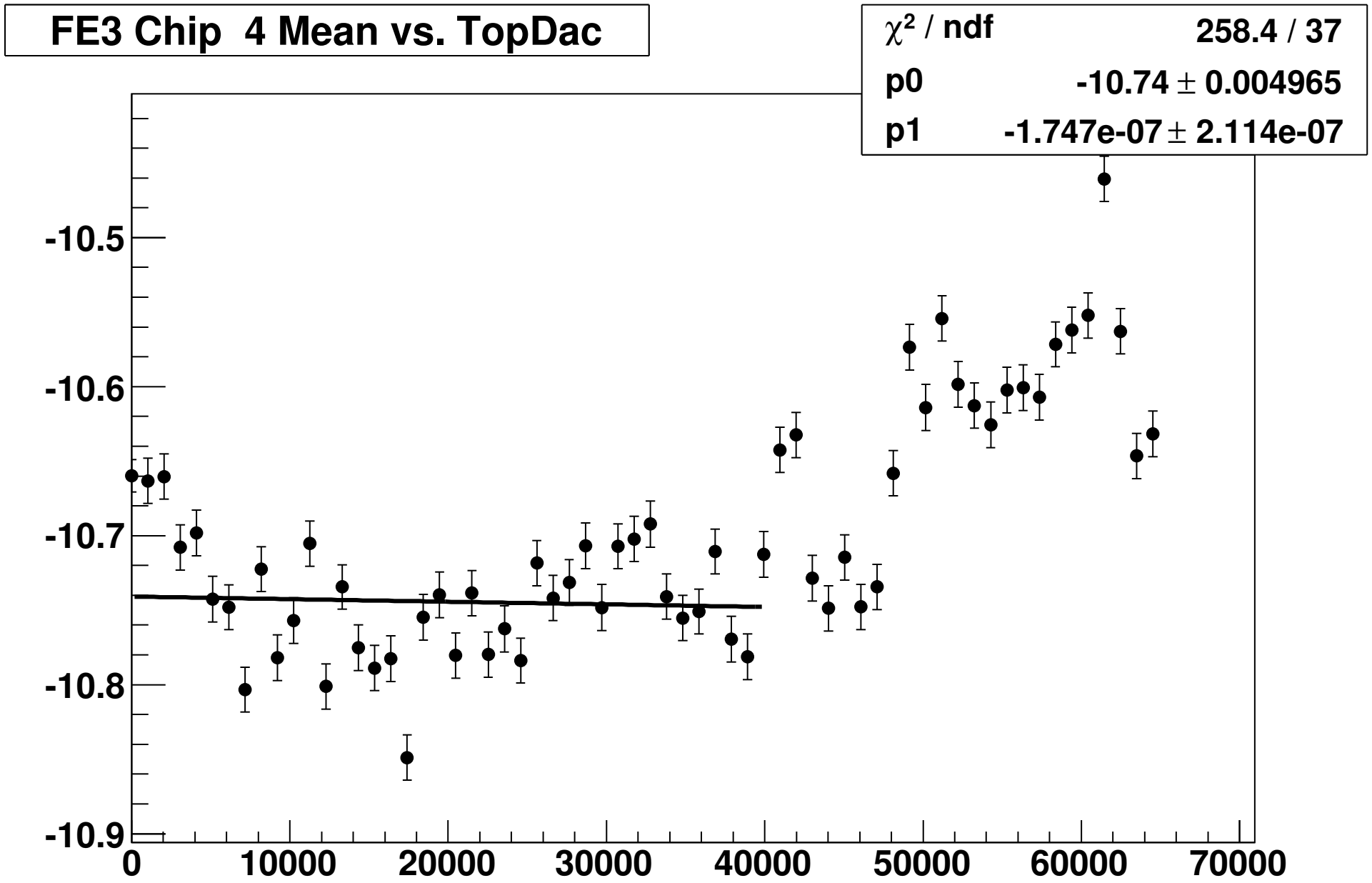
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 258.4 / 37
p0 -10.74 ± 0.004965
p1 -1.747e-07 ± 2.114e-07
-10.5
-10.6
-10.7
-10.8
-10.9
0
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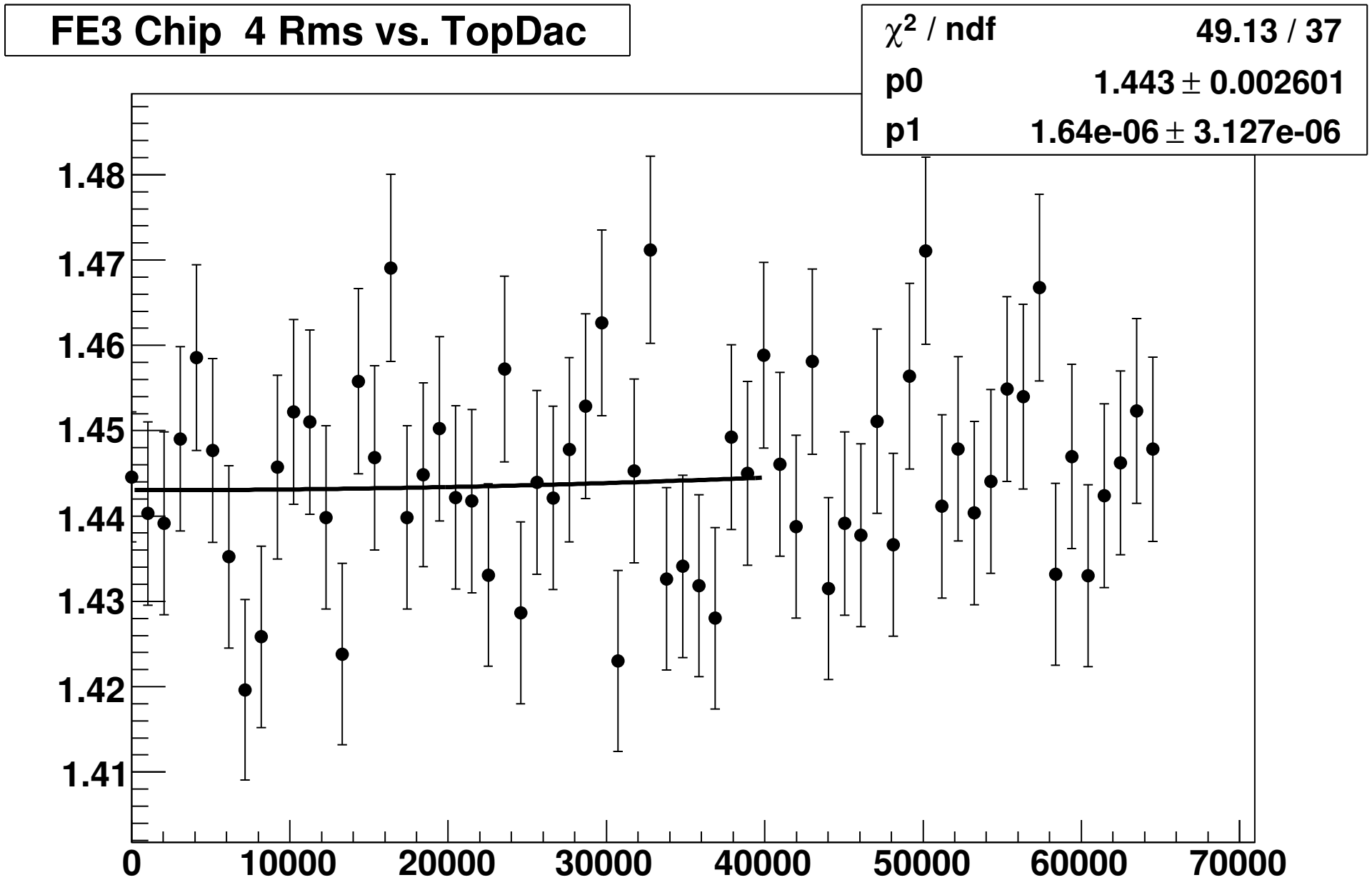
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 49.13 / 37
p0 1.443 ± 0.002601
p1 1.64e-06 ± 3.127e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
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50000
60000
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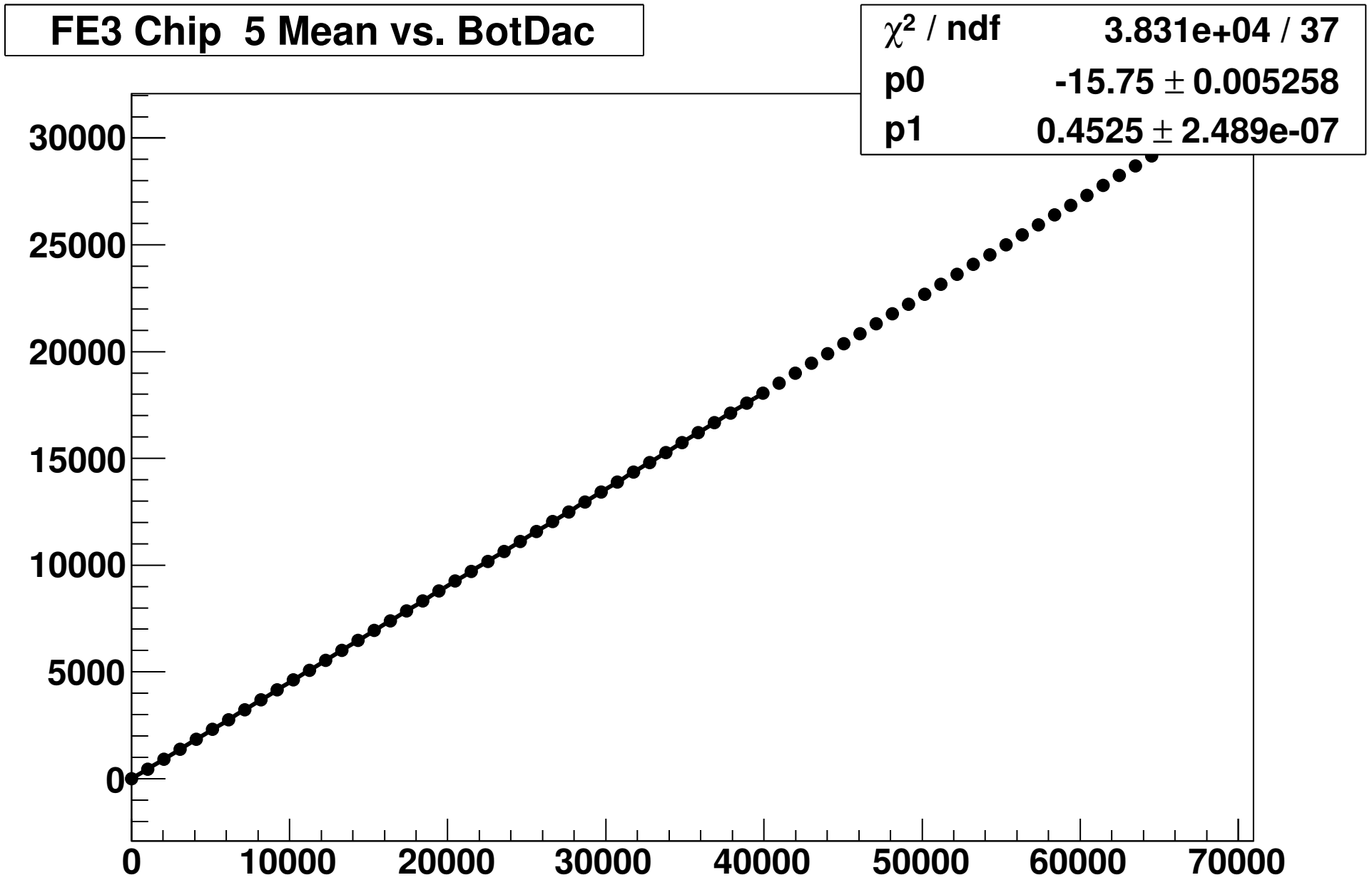
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 3.831e+04 / 37
p0 -15.75 ± 0.005258
p1 0.4525 ± 2.489e-07
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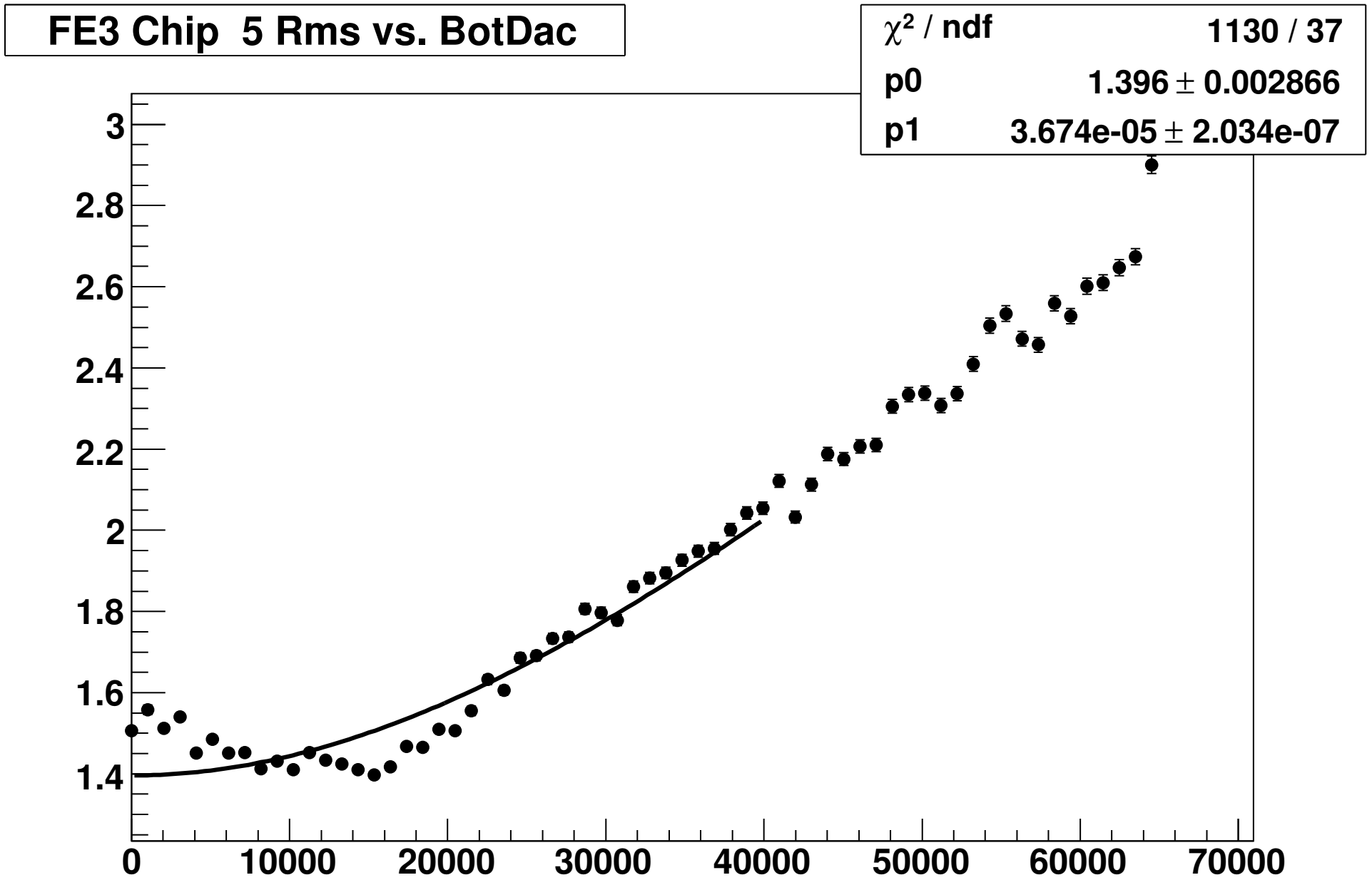
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1130 / 37
p0 1.396 ± 0.002866
p1 3.674e-05 ± 2.034e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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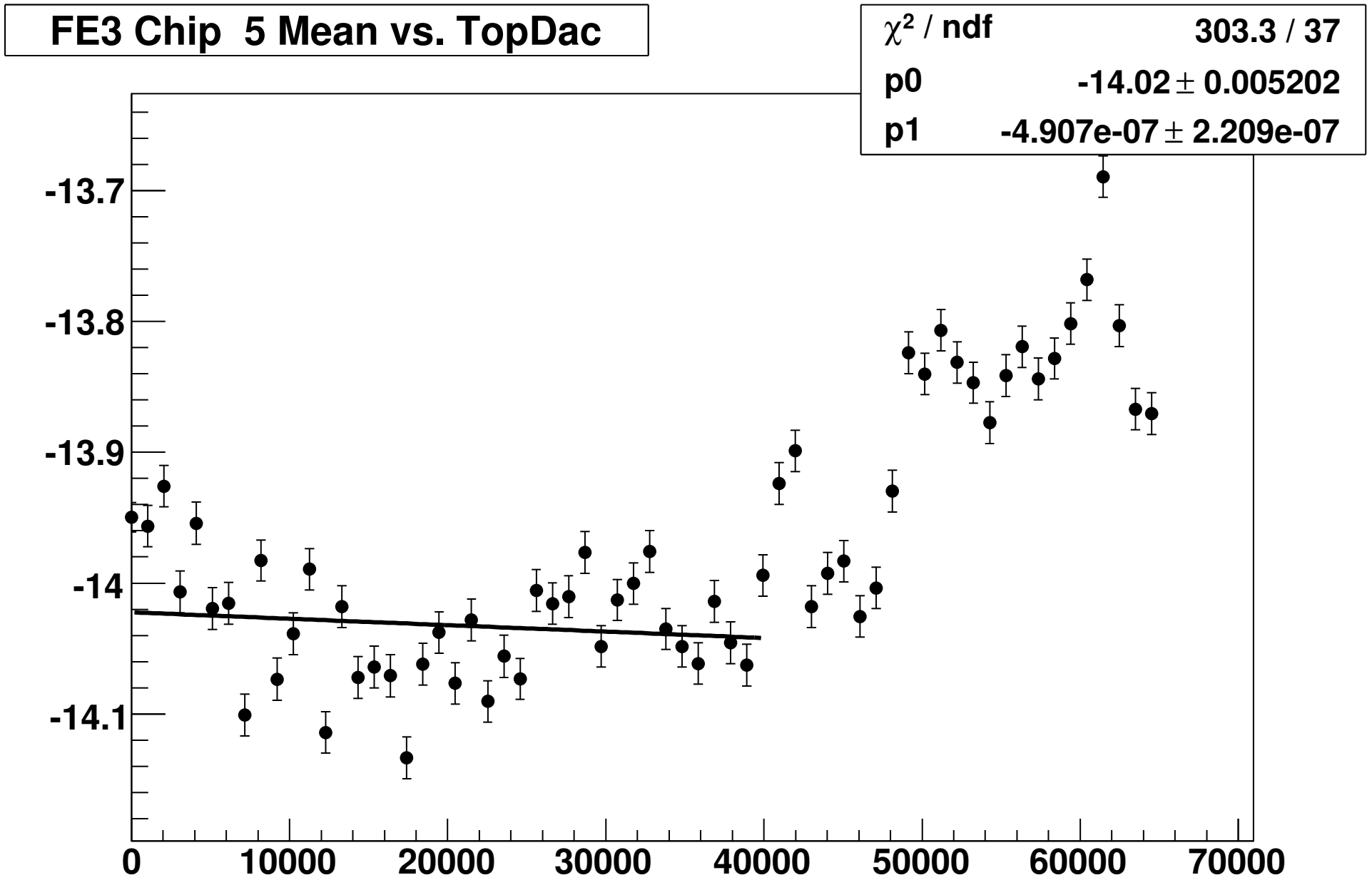
50000
60000
70000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 303.3 / 37
p0 -14.02 ± 0.005202
p1 -4.907e-07 ± 2.209e-07
-13.7
-13.8
-13.9
-14
-14.1
0
10000
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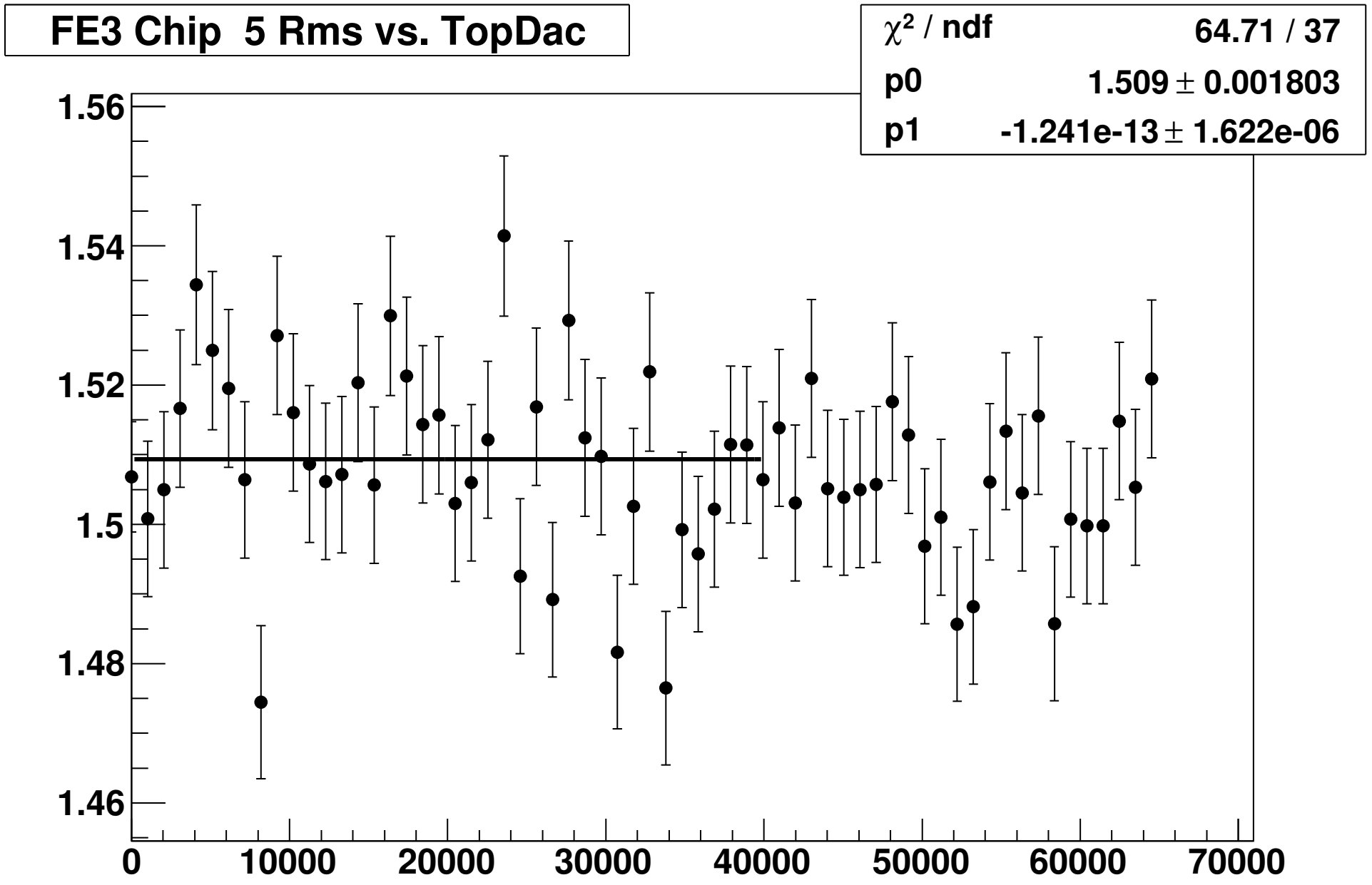
50000
60000
70000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 64.71 / 37
p0 1.509 ± 0.001803
p1 -1.241e-13 ± 1.622e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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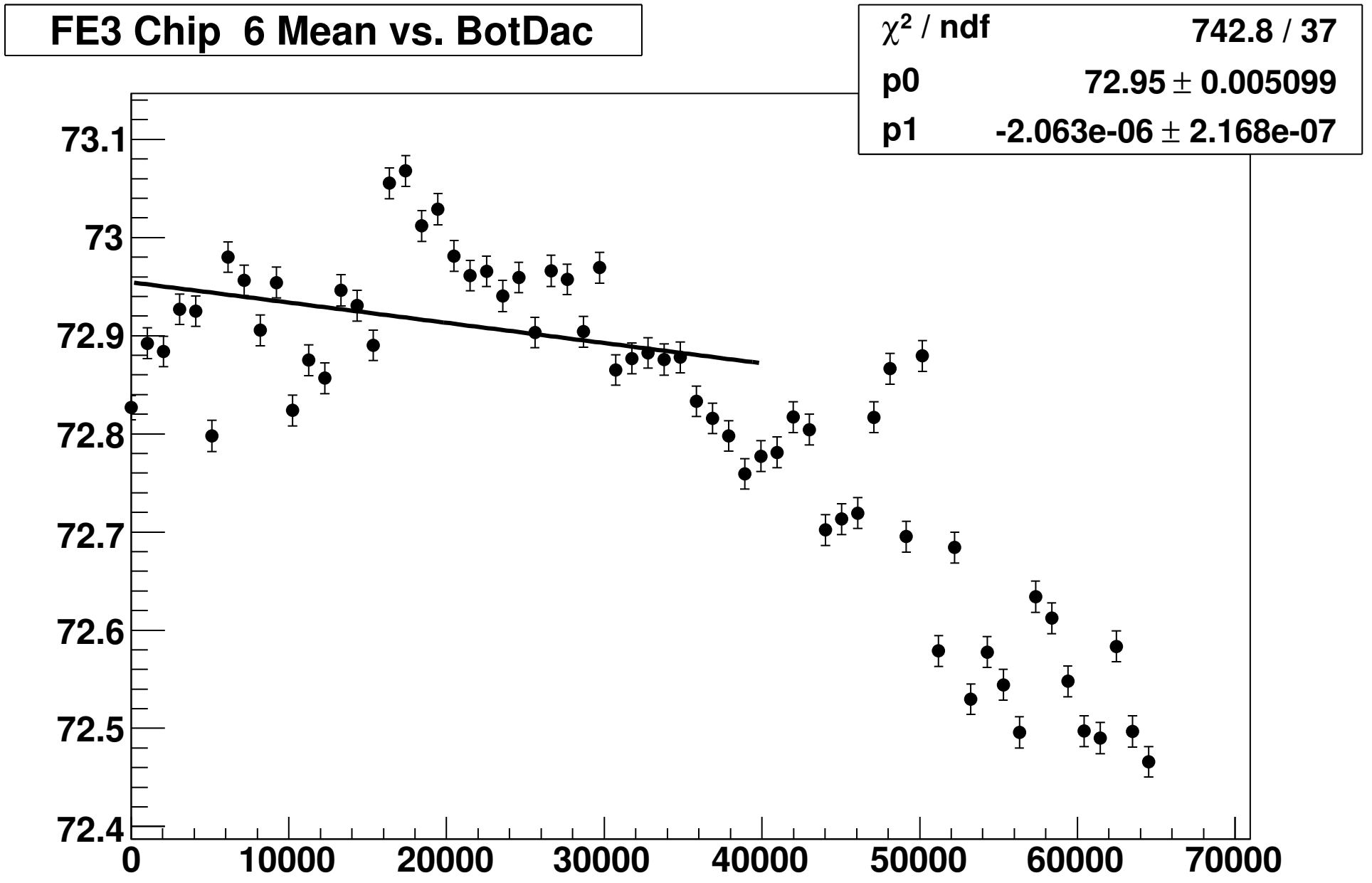
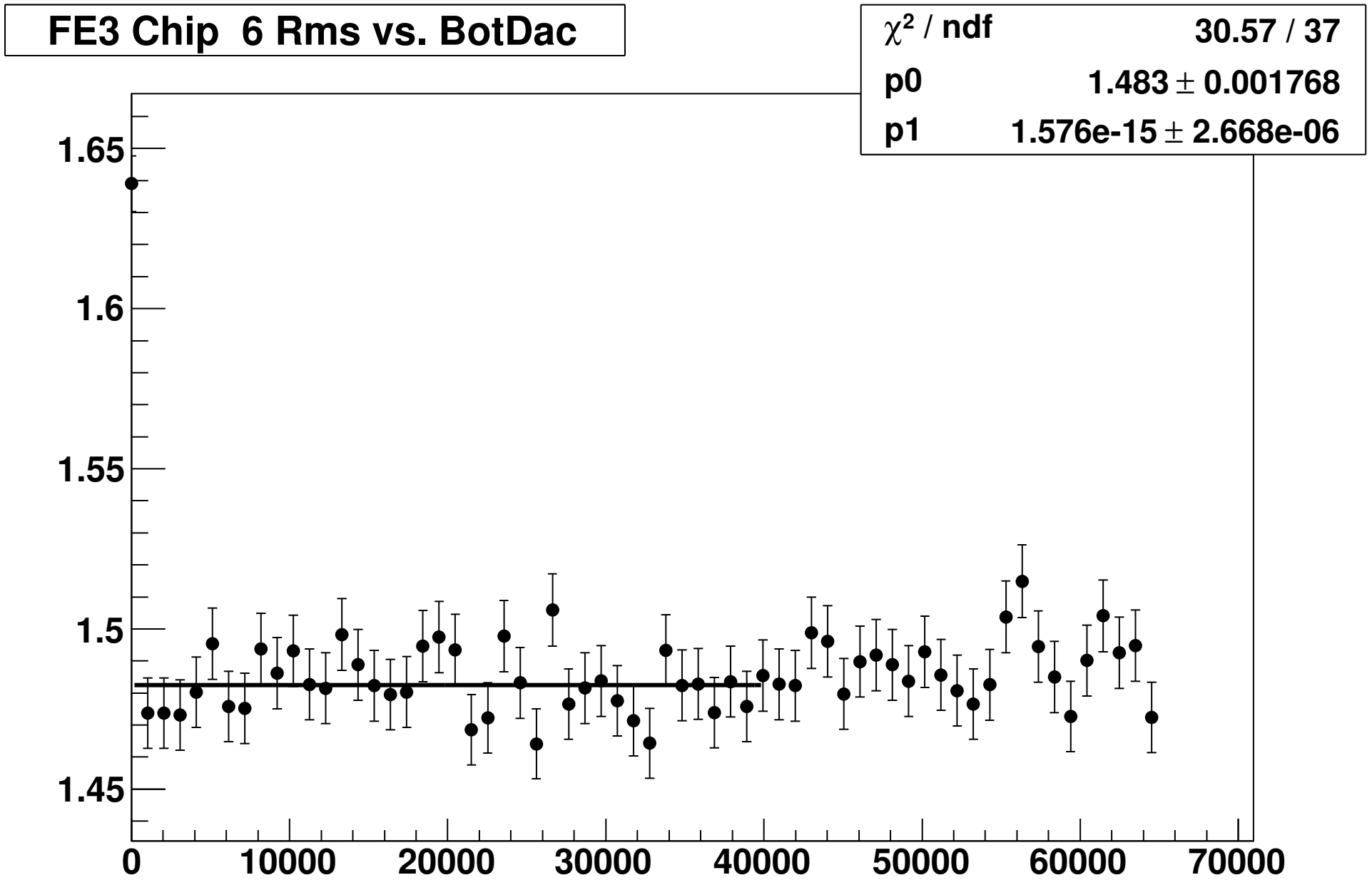
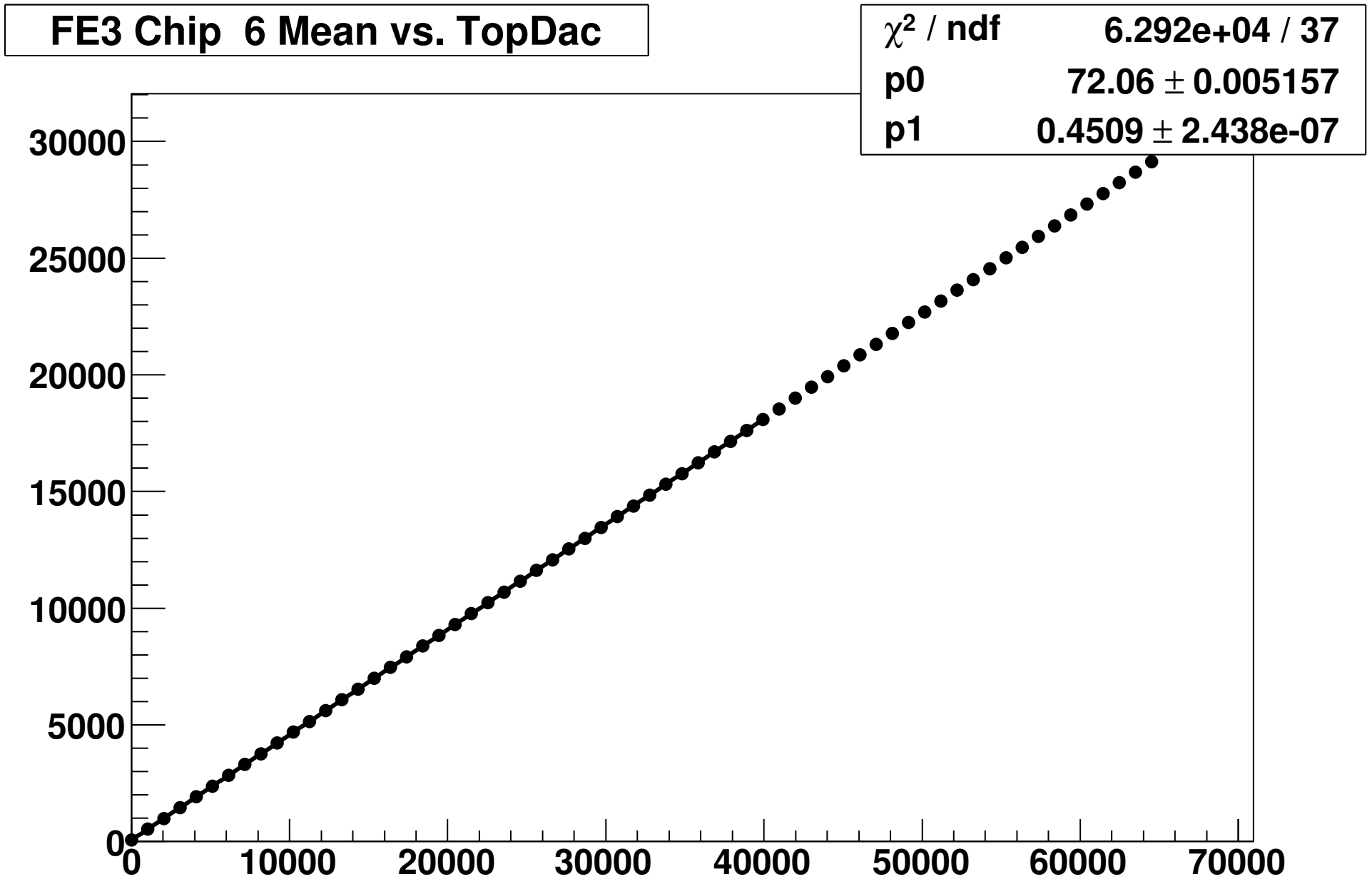
50000
60000
70000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 742.8 / 37
p0 72.95 ± 0.005099
p1 -2.063e-06 ± 2.168e-07
73.1
73
72.9
72.8
72.7
72.6
72.5
72.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 30.57 / 37
p0 1.483 ± 0.001768
p1 1.576e-15 ± 2.668e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 6.292e+04 / 37
p0 72.06 ± 0.005157
p1 0.4509 ± 2.438e-07
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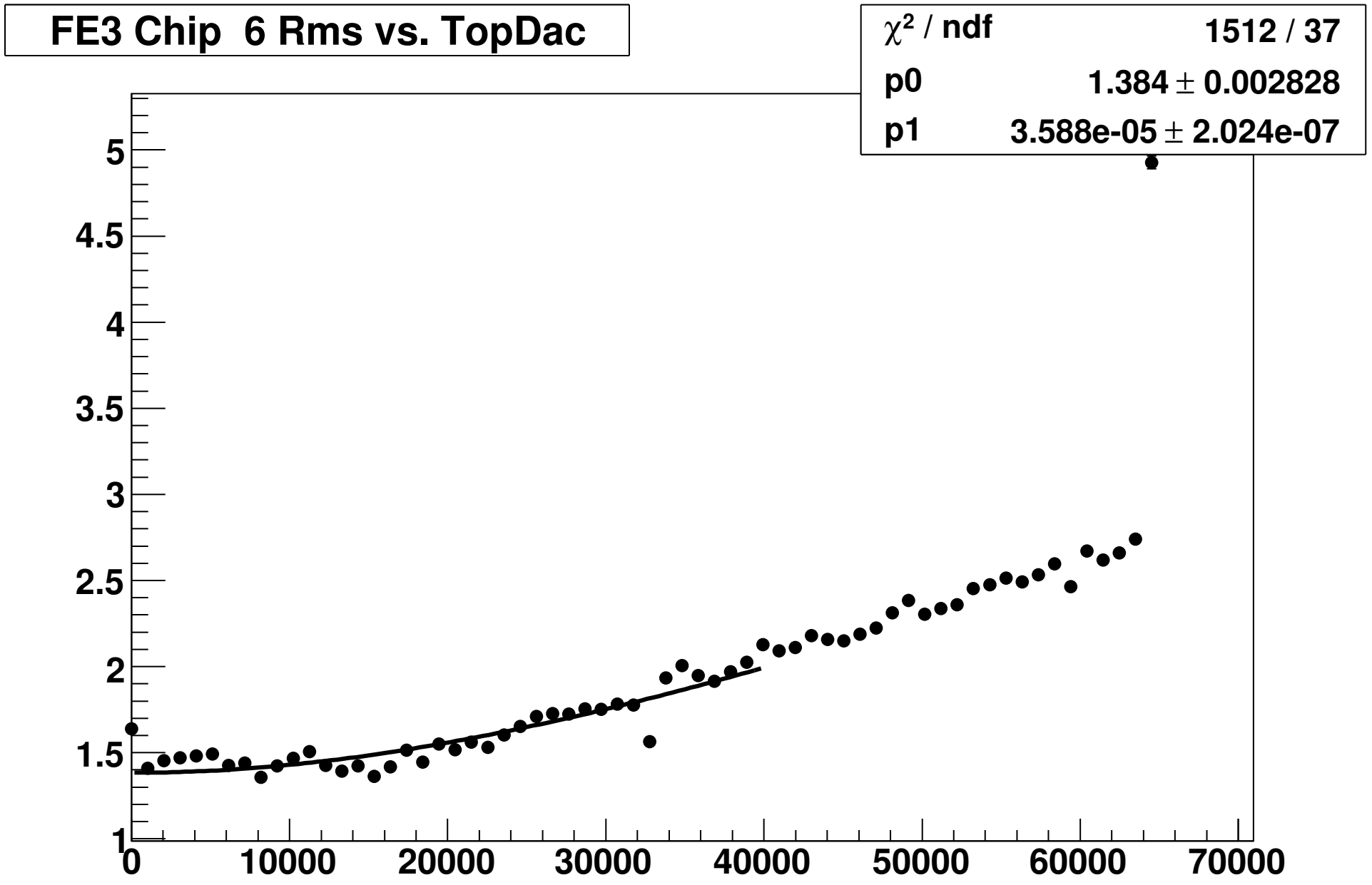
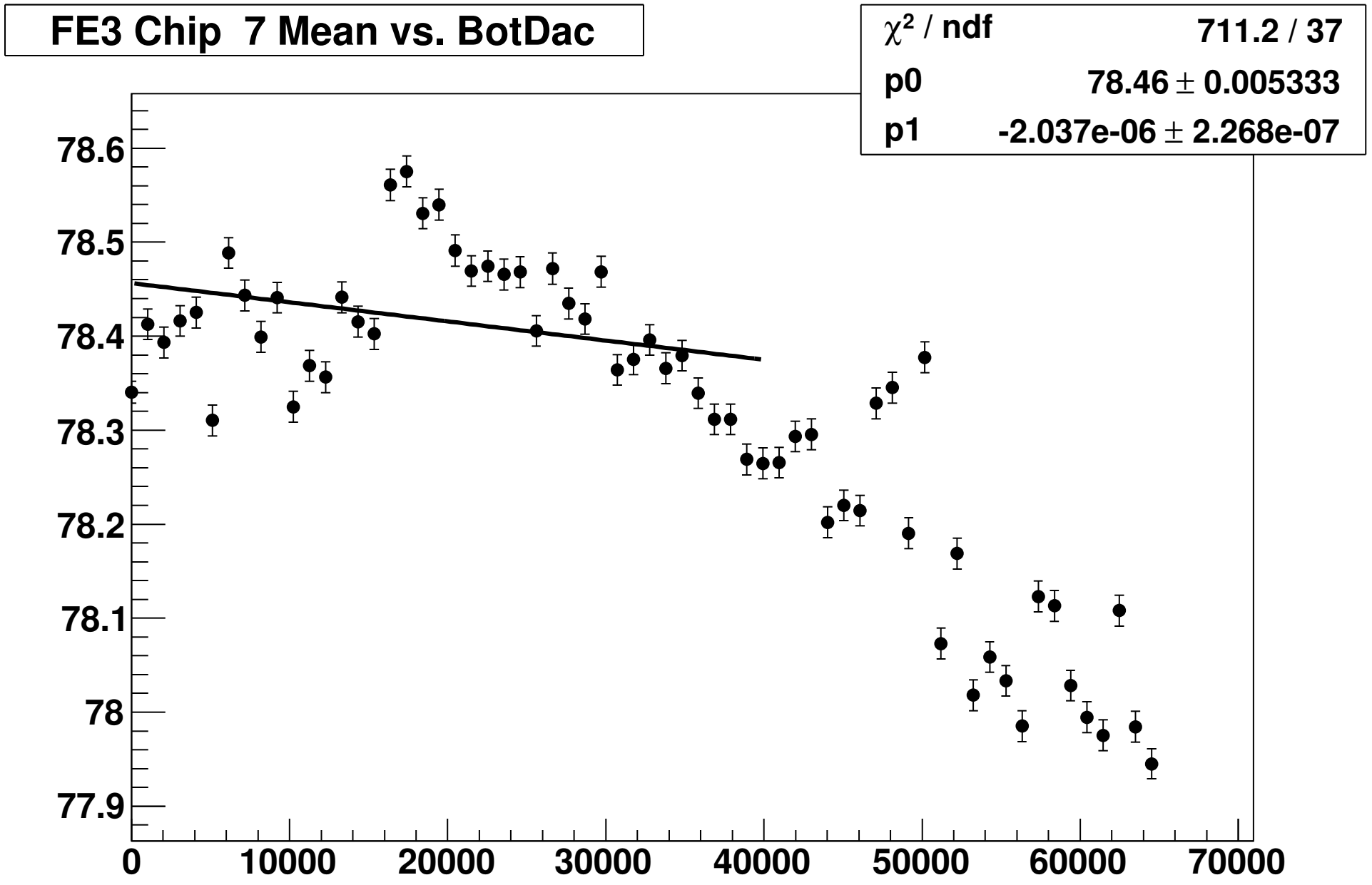
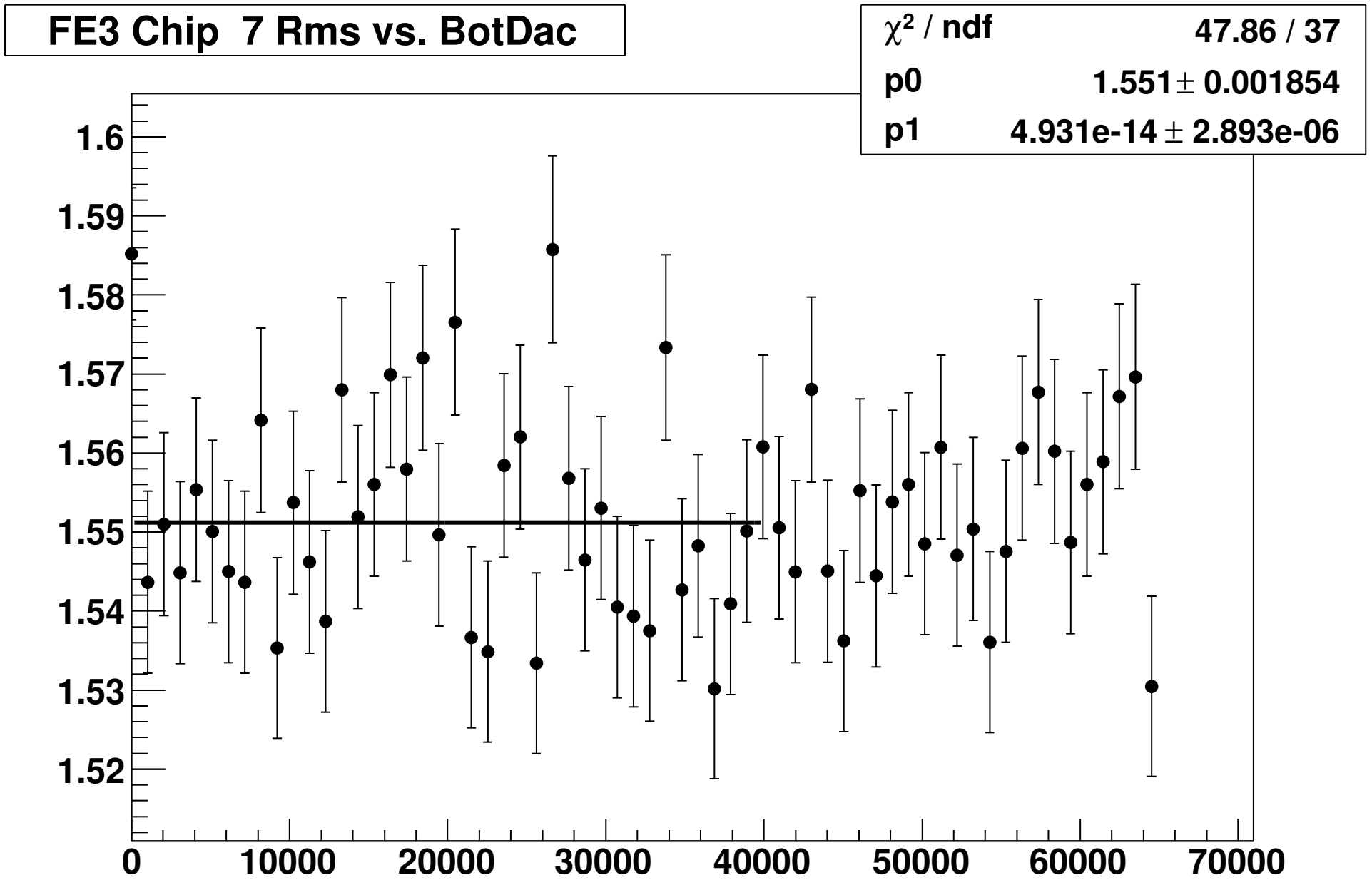
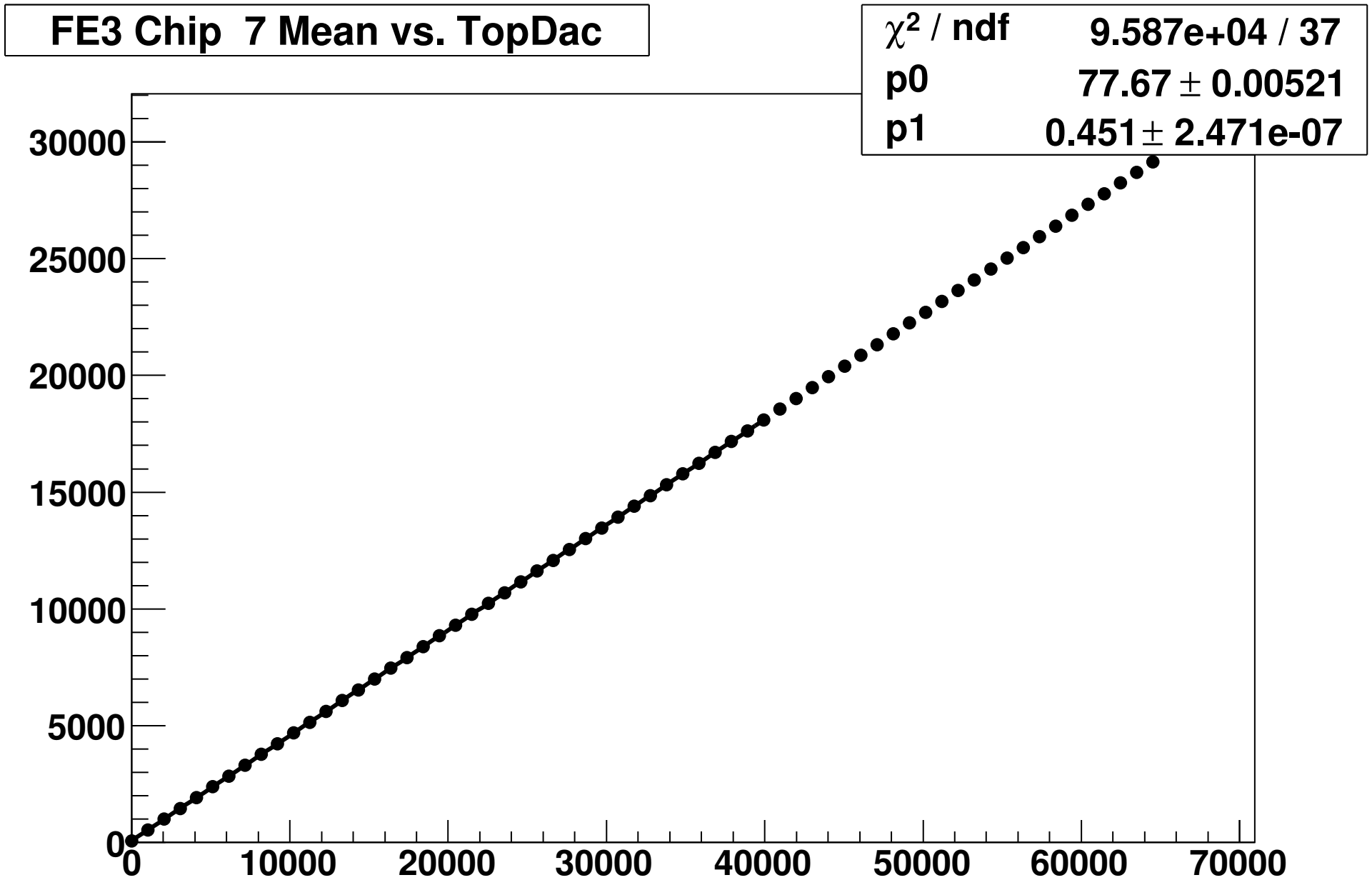
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1512 / 37
p0 1.384 ± 0.002828
p1 3.588e-05 ± 2.024e-07
5
4.5
4
3.5
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. BotDac
χ² / ndf 711.2 / 37
p0 78.46 ± 0.005333
p1 -2.037e-06 ± 2.268e-07
78.6
78.5
78.4
78.3
78.2
78.1
78
77.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 47.86 / 37
p0 1.551 ± 0.001854
p1 4.931e-14 ± 2.893e-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


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 9.587e+04 / 37
p0 77.67 ± 0.00521
p1 0.451 ± 2.471e-07
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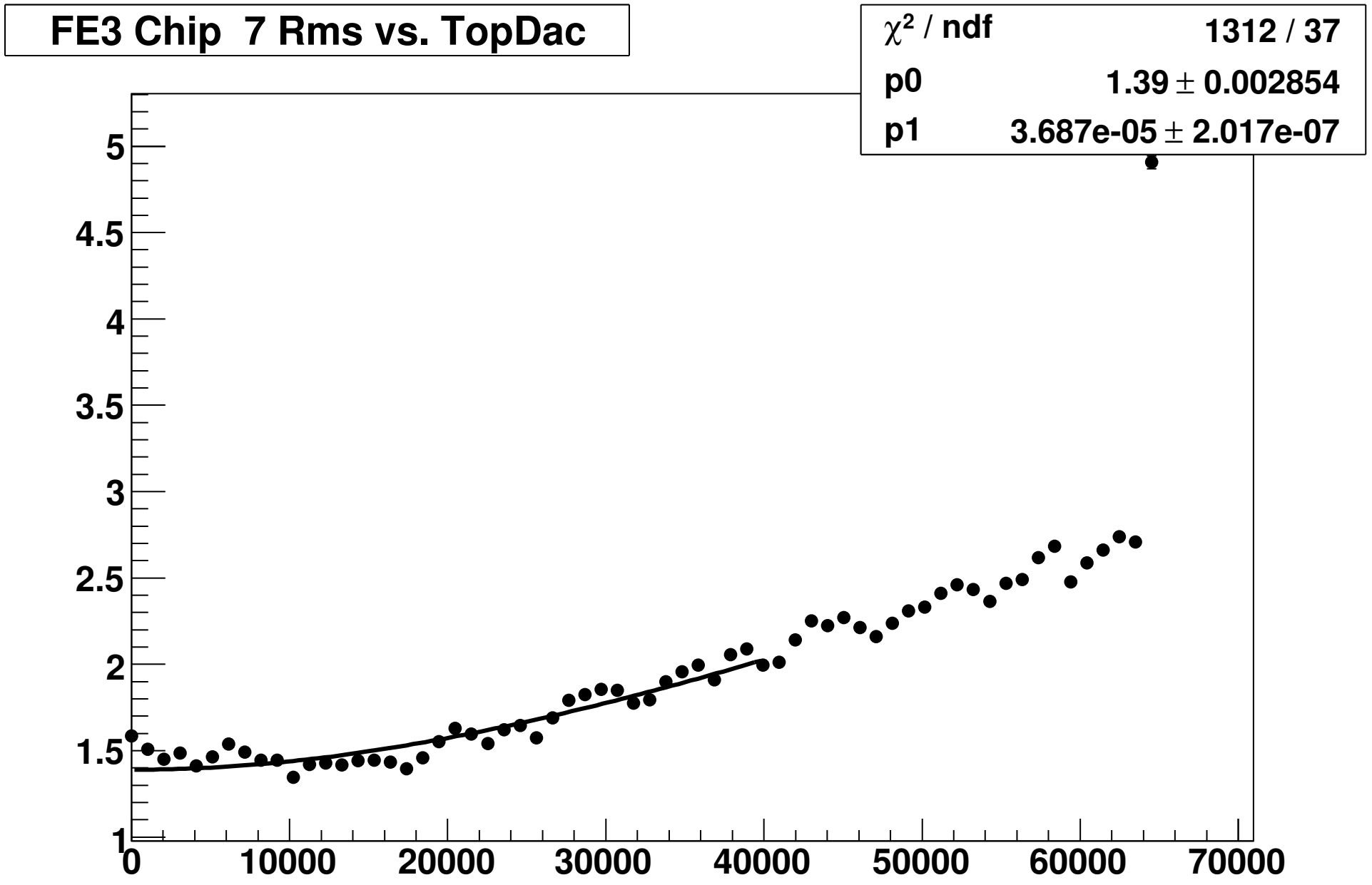
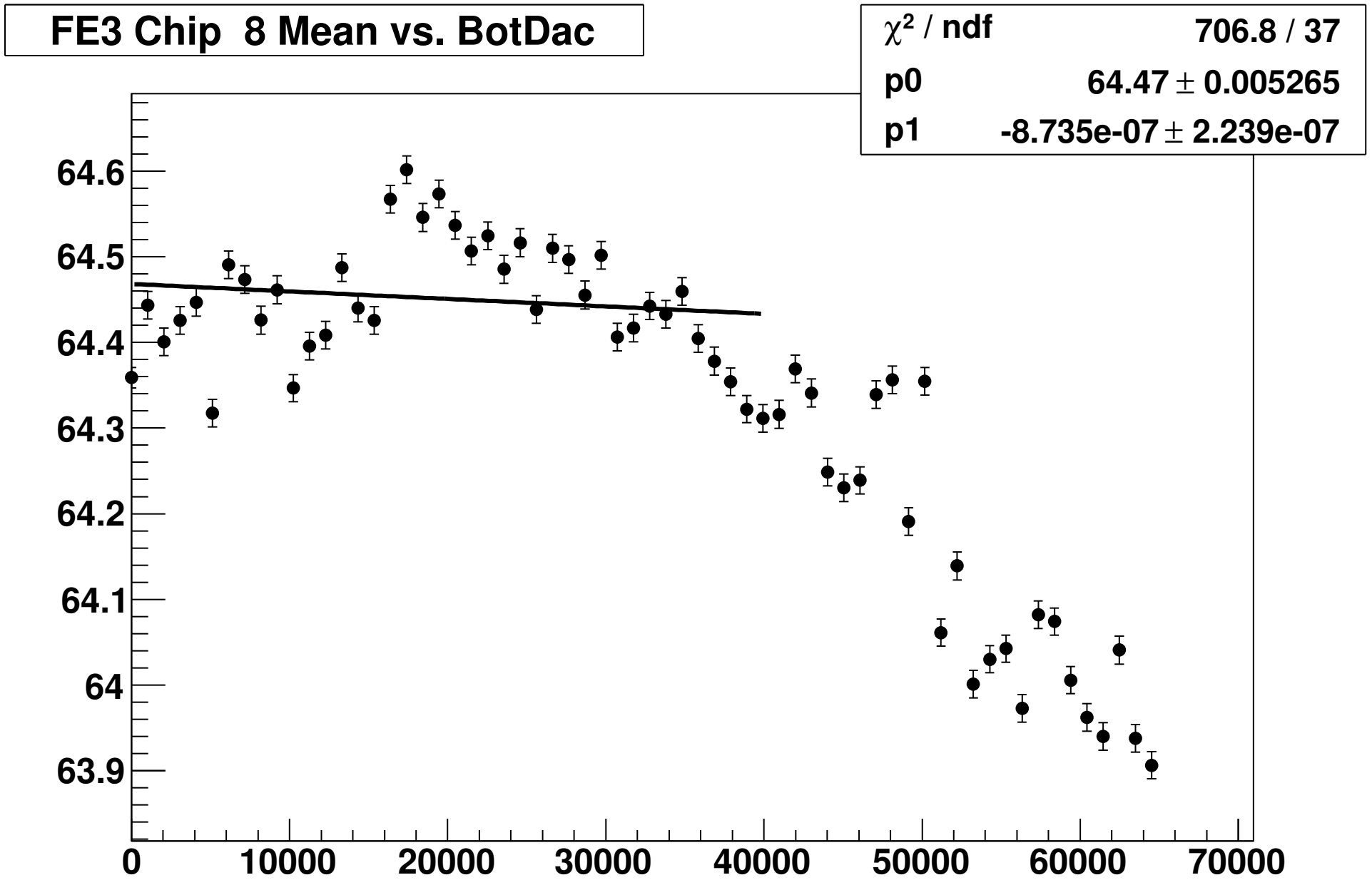
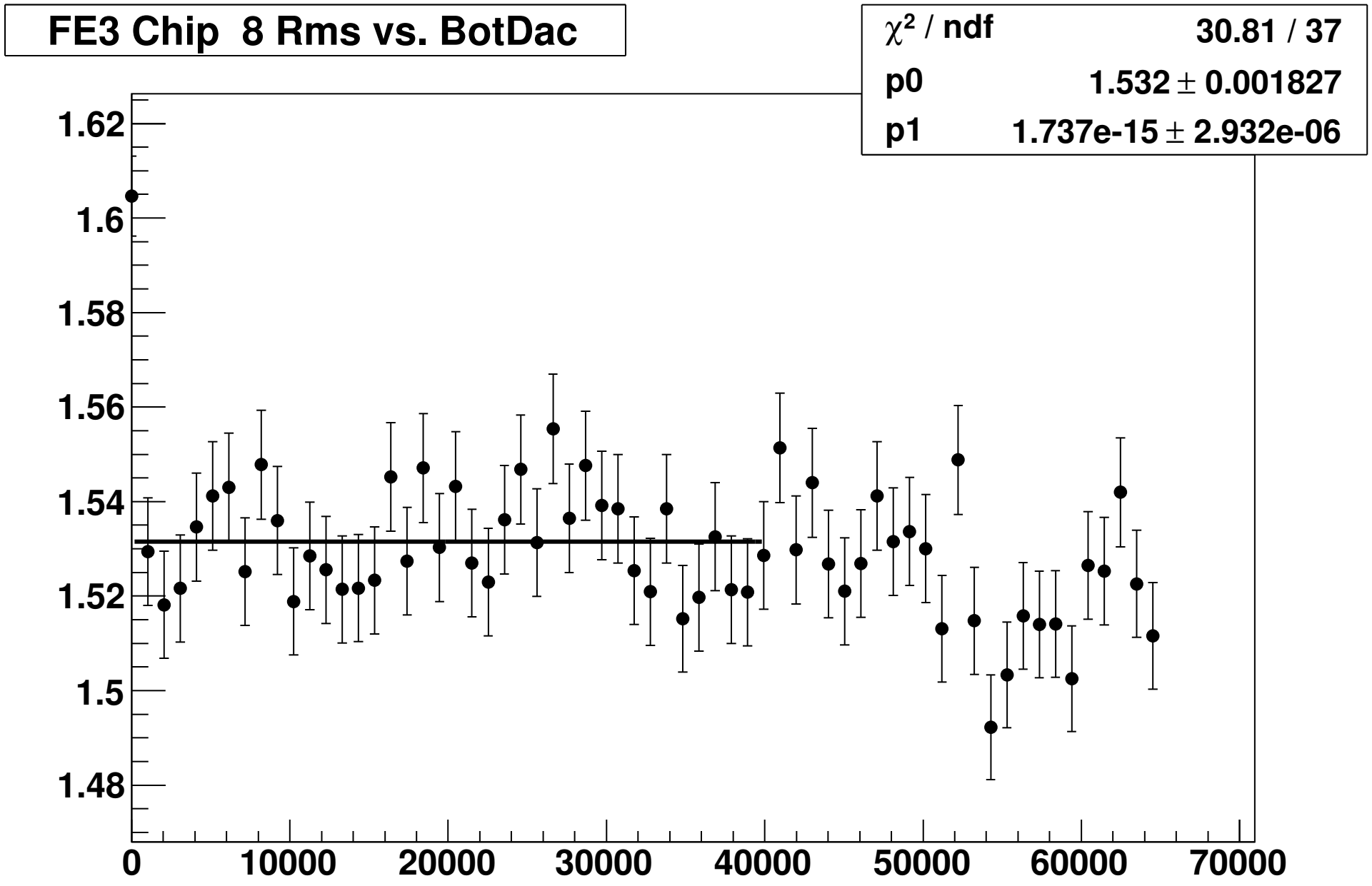
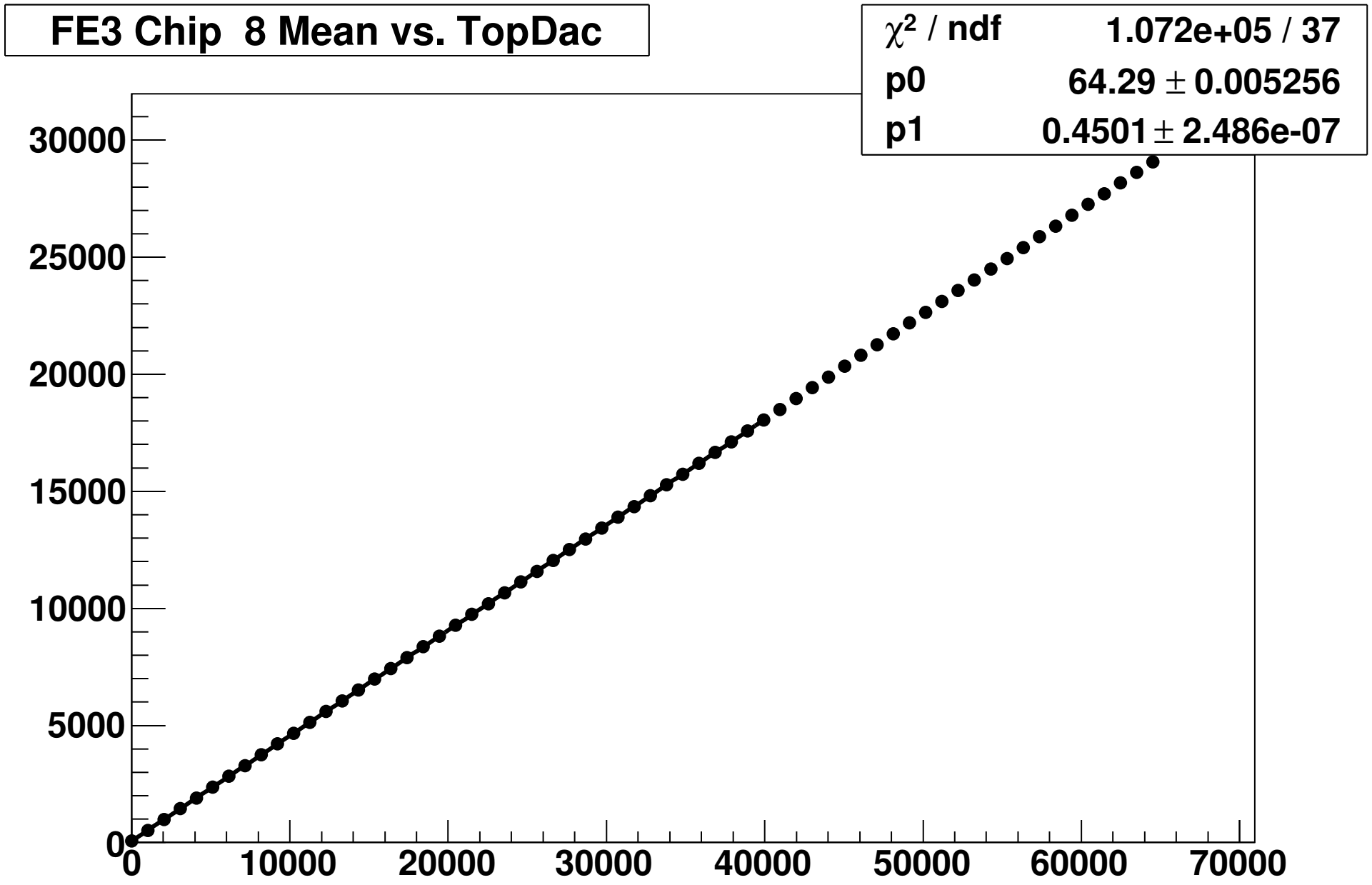
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1312 / 37
p0 1.39 ± 0.002854
p1 3.687e-05 ± 2.017e-07
5
4.5
4
3.5
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 706.8 / 37
p0 64.47 ± 0.005265
p1 -8.735e-07 ± 2.239e-07
64.6
64.5
64.4
64.3
64.2
64.1
64
63.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 30.81 / 37
p0 1.532 ± 0.001827
p1 1.737e-15 ± 2.932e-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


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.072e+05 / 37
p0 64.29 ± 0.005256
p1 0.4501 ± 2.486e-07
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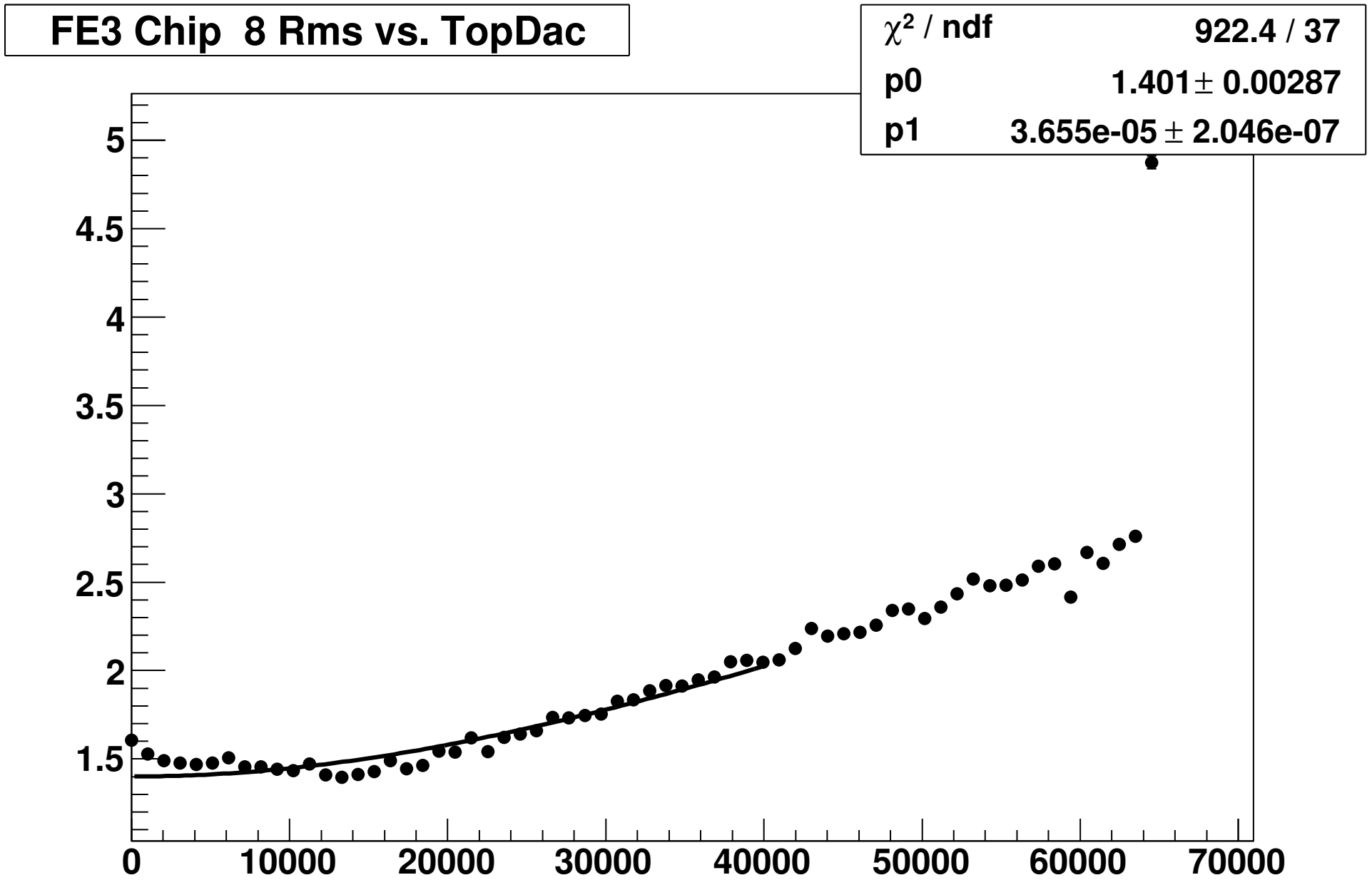
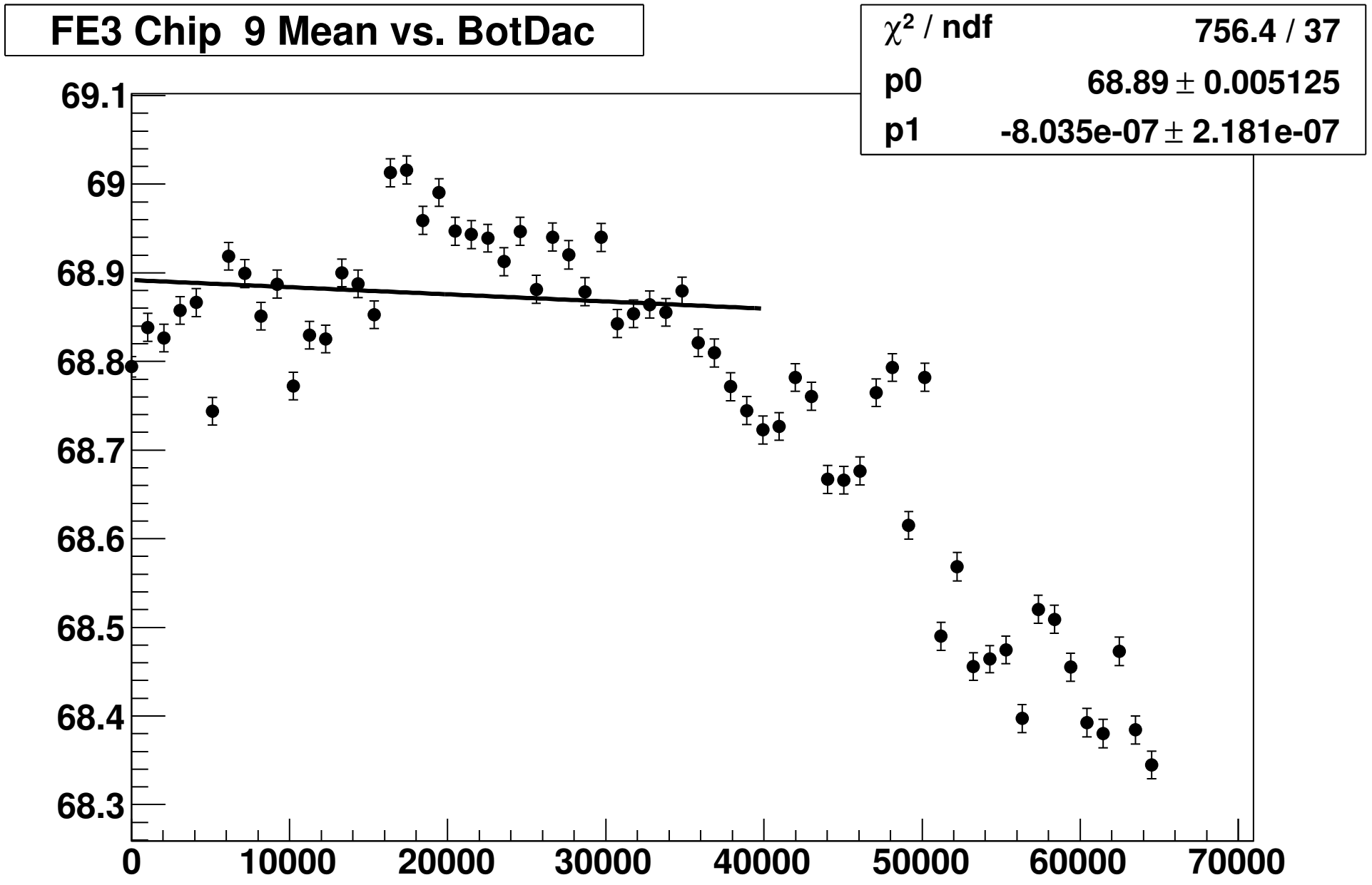
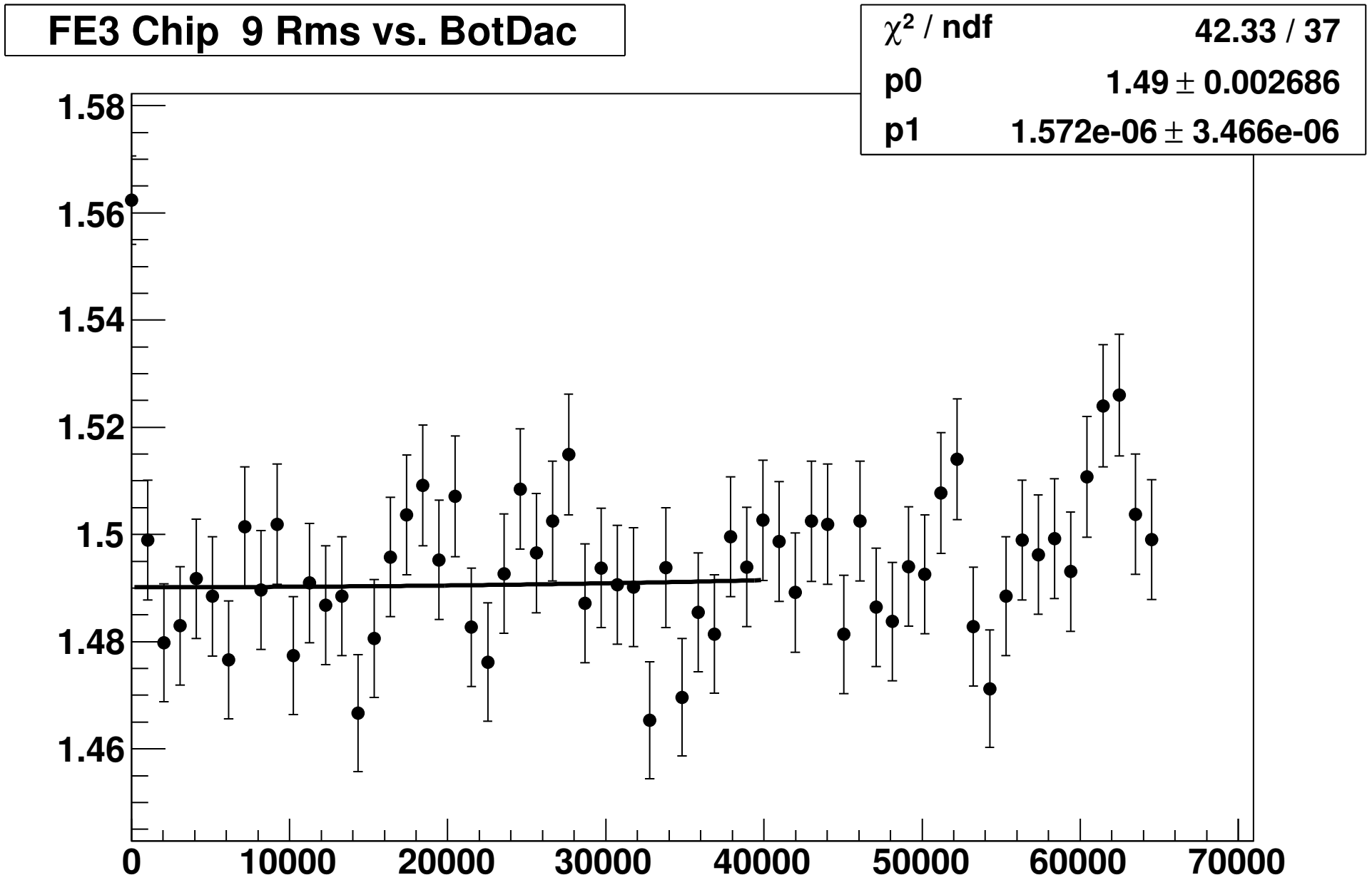
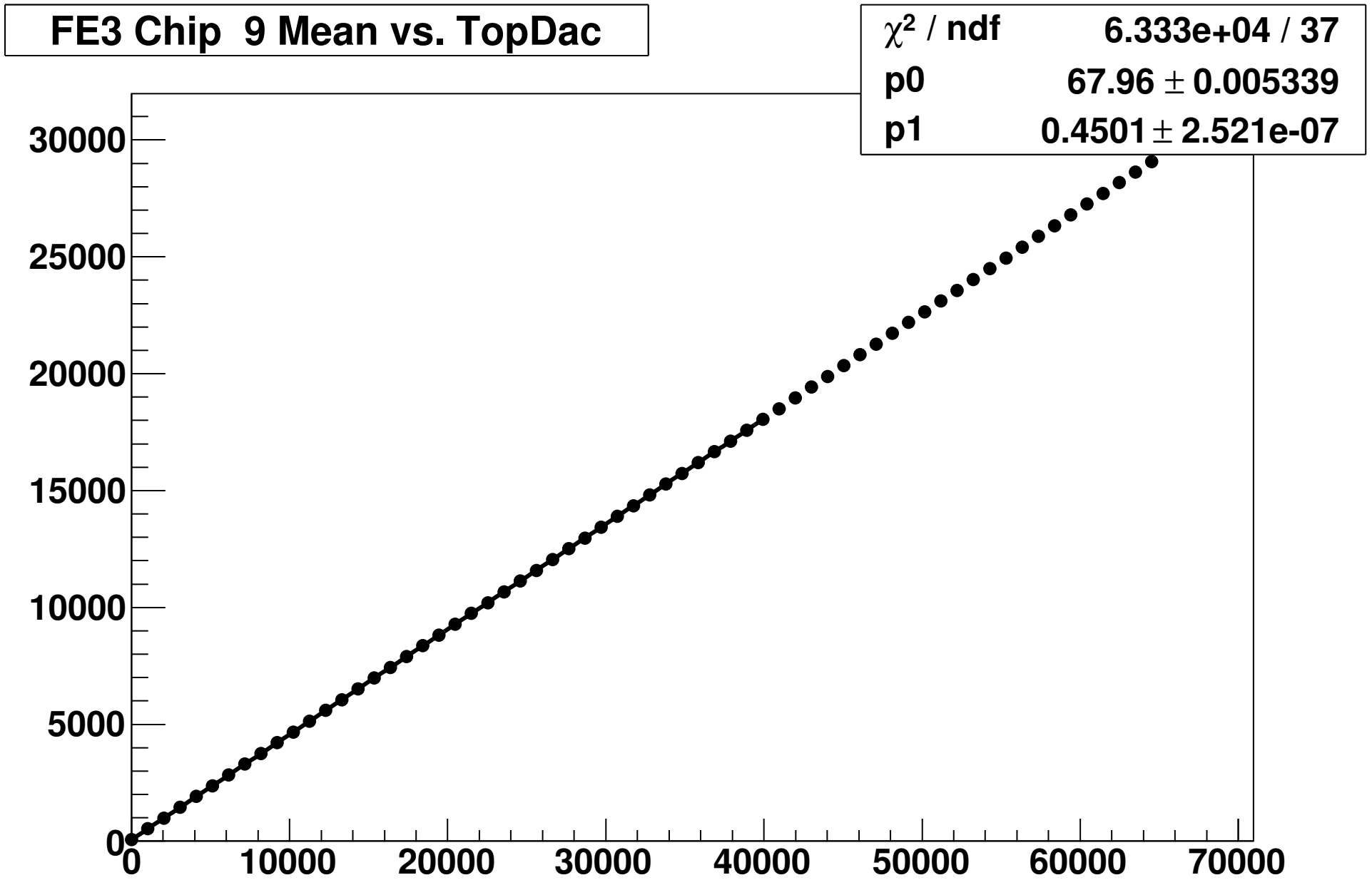
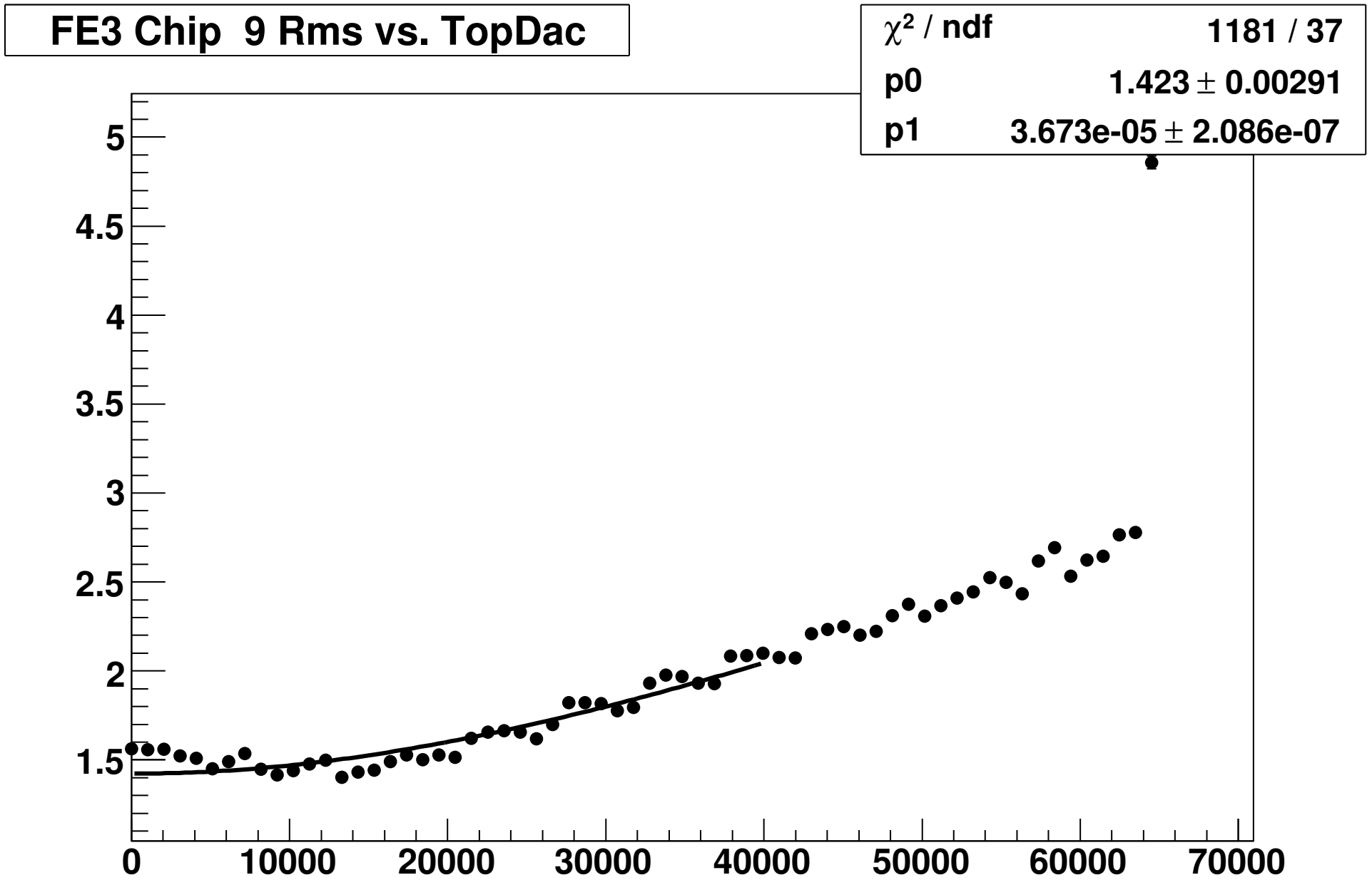
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

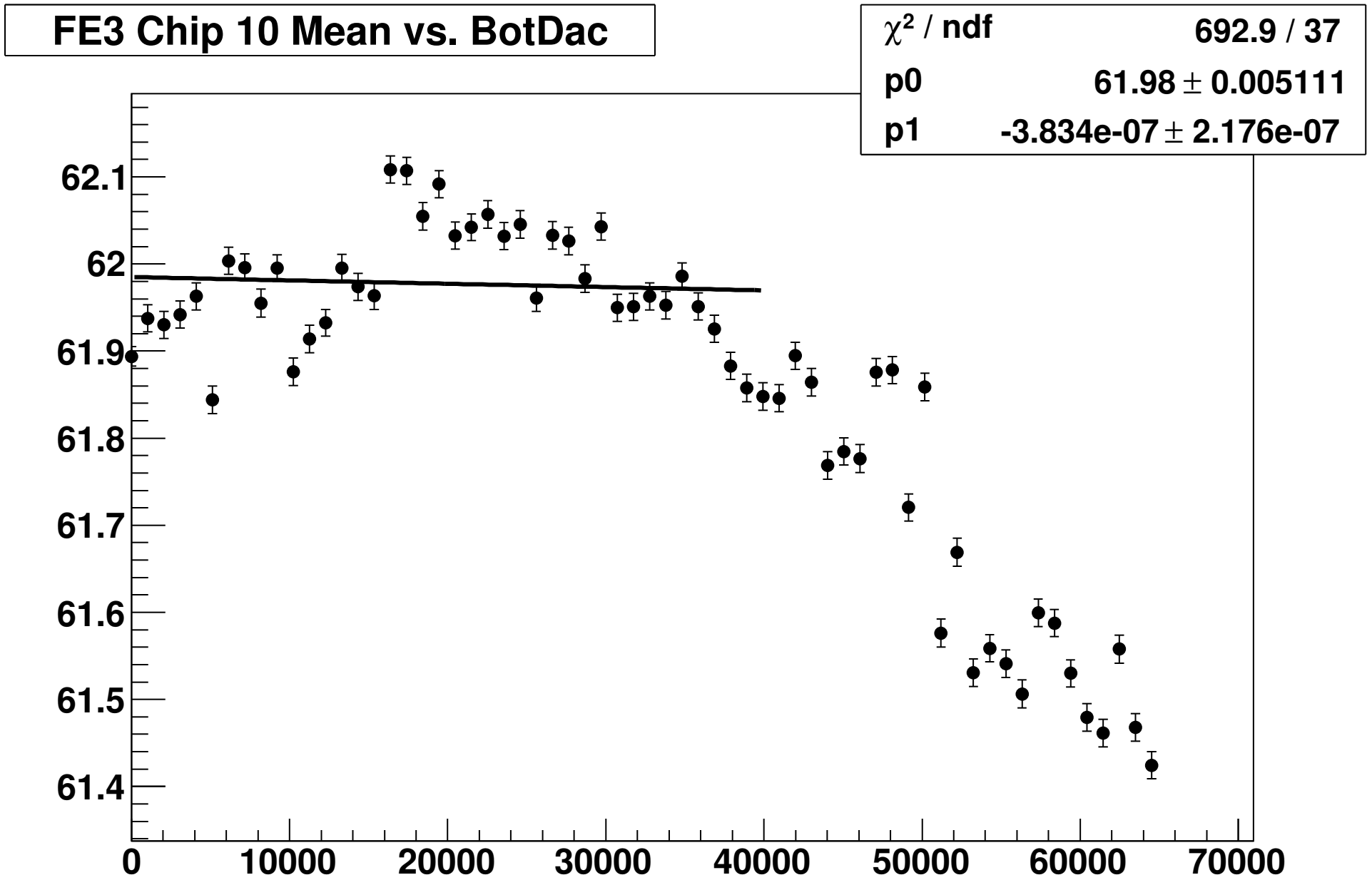

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 922.4 / 37
p0 1.401 ± 0.00287
p1 3.655e-05 ± 2.046e-07
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000

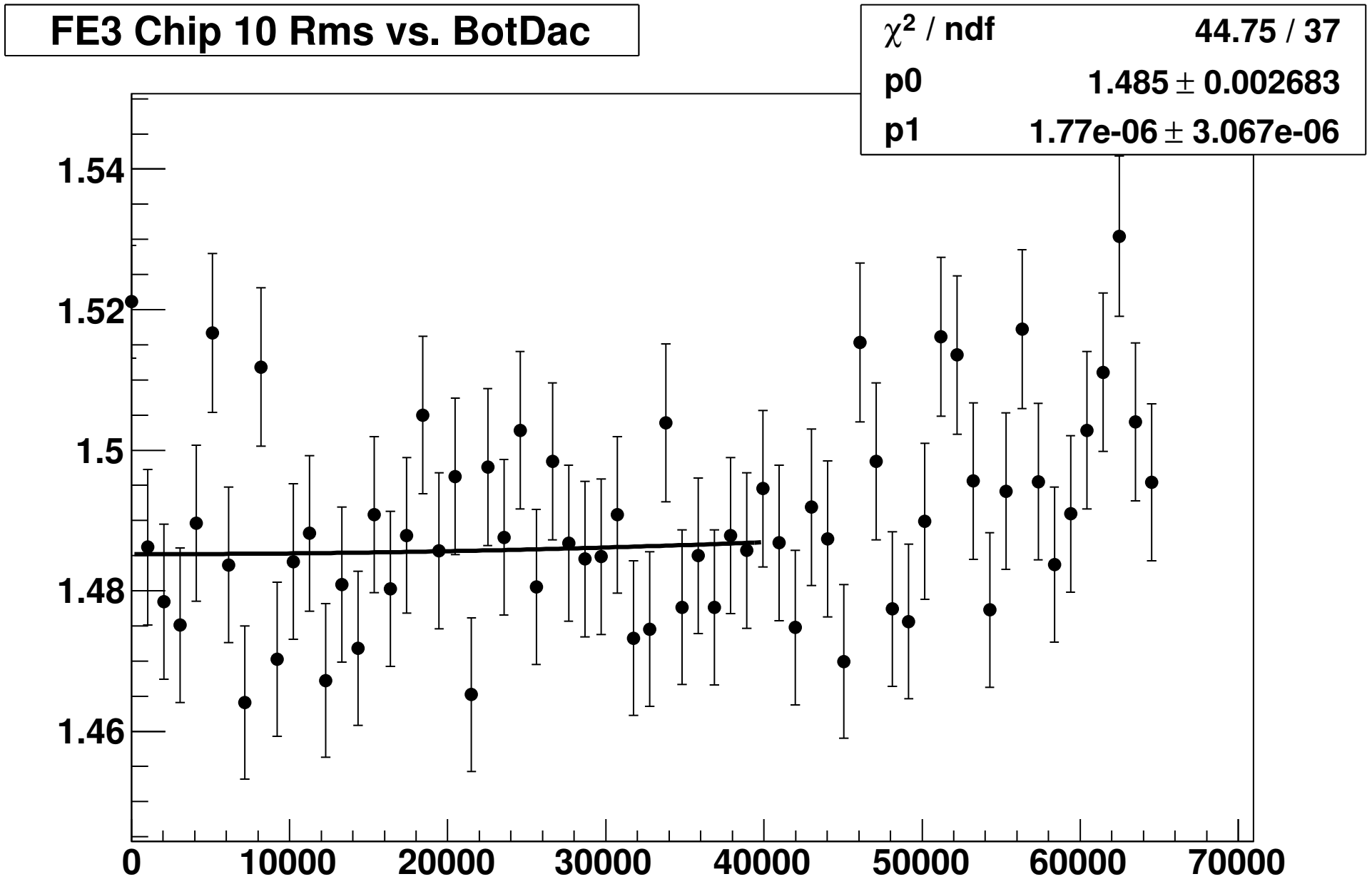

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 756.4 / 37
p0 68.89 ± 0.005125
p1 -8.035e-07 ± 2.181e-07
69.1
69
68.9
68.8
68.7
68.6
68.5
68.4
68.3
0
10000
20000
30000
40000
50000
60000
70000

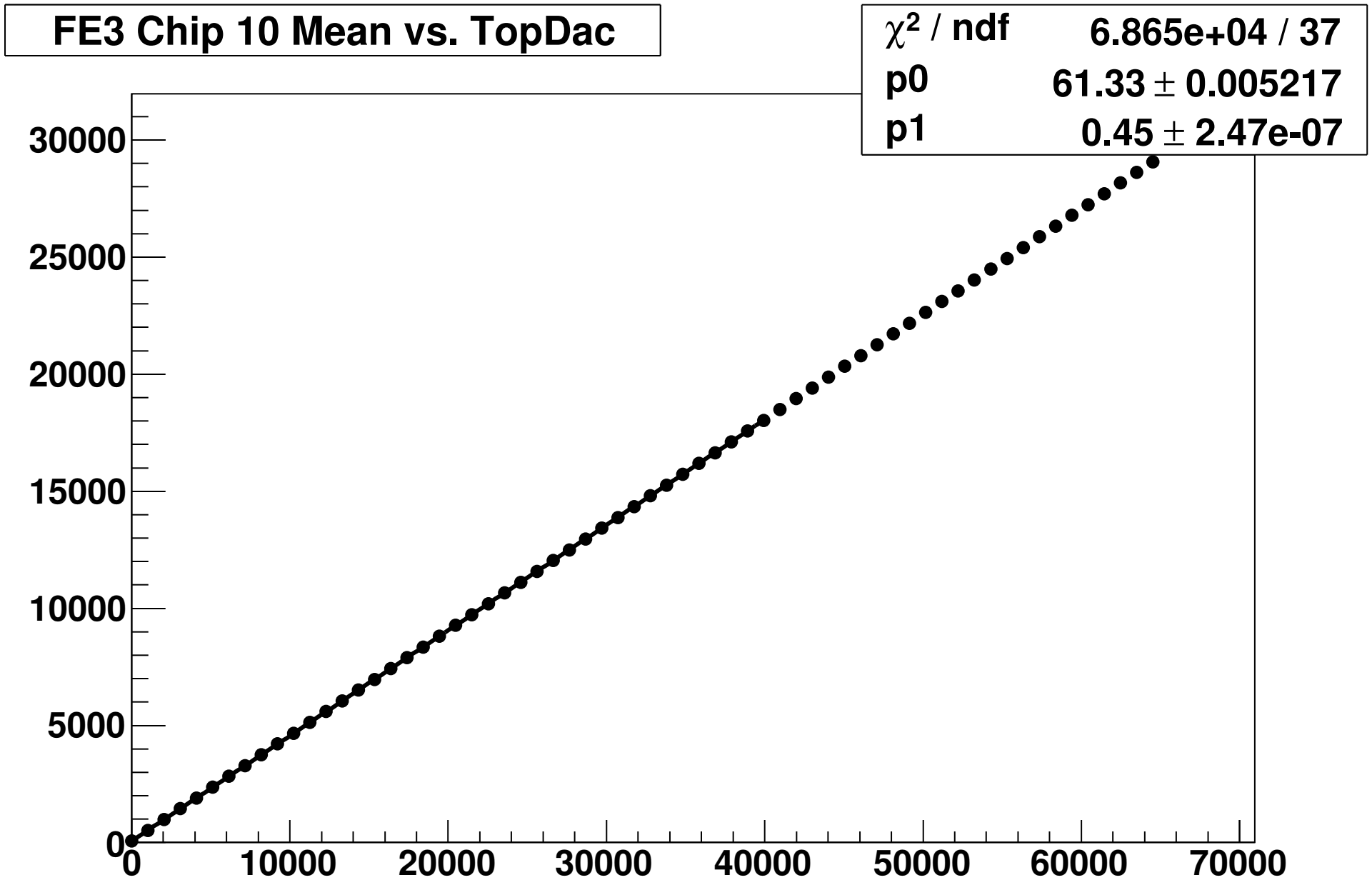

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 42.33 / 37
p0 1.49 ± 0.002686
p1 1.572e-06 ± 3.466e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 6.333e+04 / 37
p0 67.96 ± 0.005339
p1 0.4501 ± 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 1181 / 37
p0 1.423 ± 0.00291
p1 3.673e-05 ± 2.086e-07
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 692.9 / 37
p0 61.98 ± 0.005111
p1 -3.834e-07 ± 2.176e-07
62.1
62
61.9
61.8
61.7
61.6
61.5
61.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 44.75 / 37
p0 1.485 ± 0.002683
p1 1.77e-06 ± 3.067e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 6.865e+04 / 37
p0 61.33 ± 0.005217
p1 0.45 ± 2.47e-07
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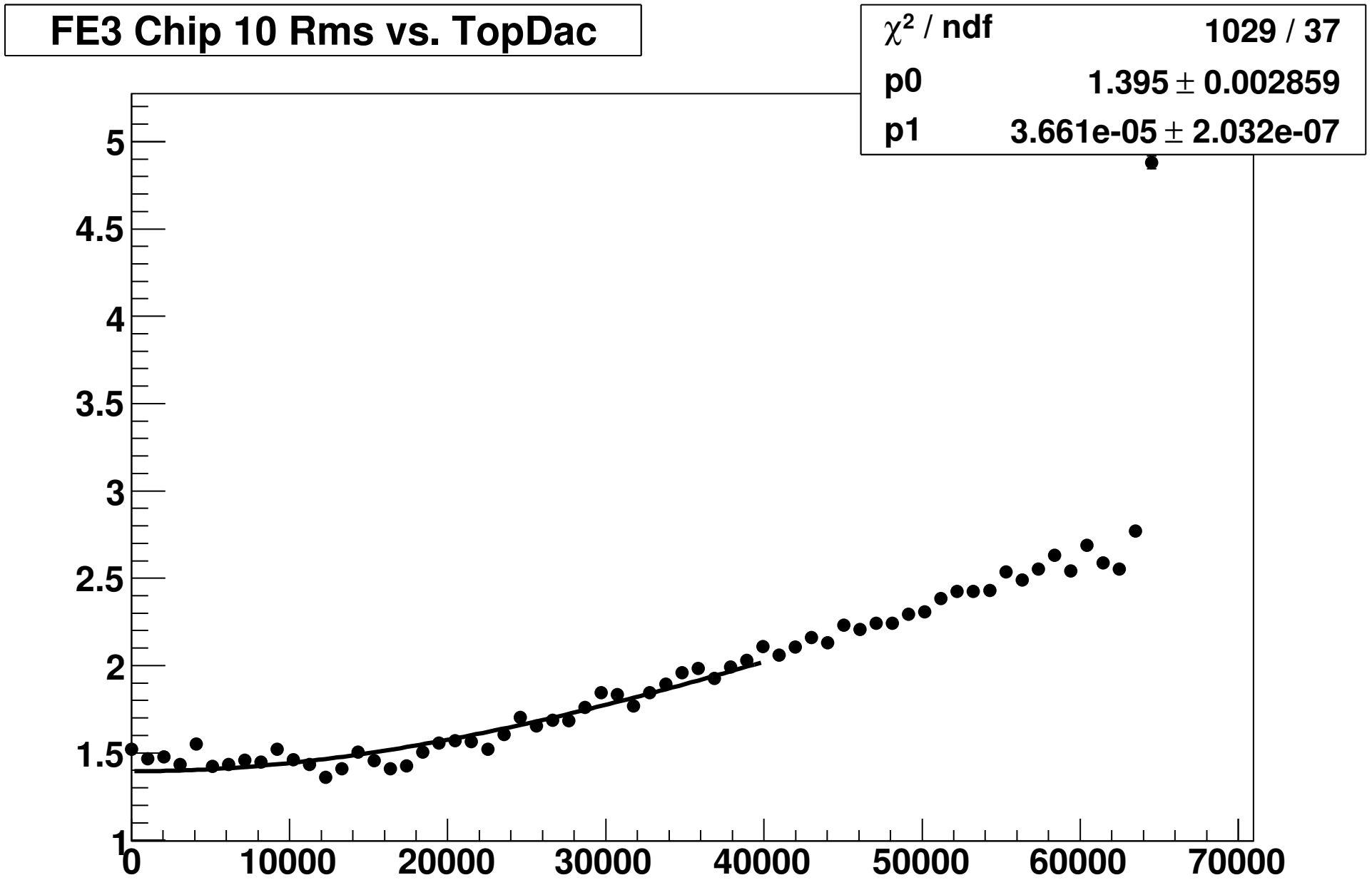
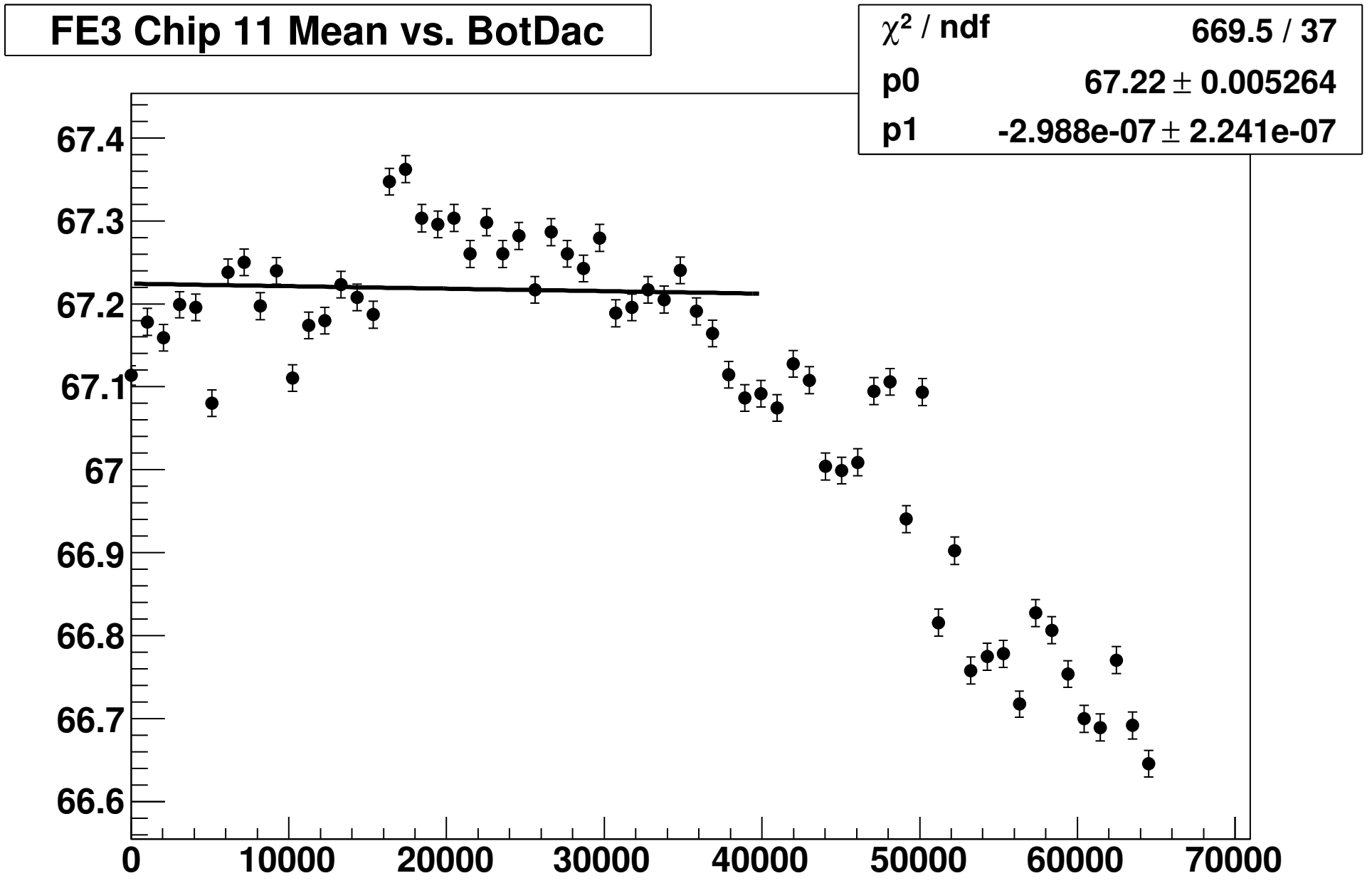
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1029 / 37
p0 1.395 ± 0.002859
p1 3.661e-05 ± 2.032e-07
5
4.5
4
3.5
3
2.5
2
1.5
1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 669.5 / 37
p0 67.22 ± 0.005264
p1 -2.988e-07 ± 2.241e-07
67.4
67.3
67.2
67.1
67
66.9
66.8
66.7
66.6
0
10000
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30000
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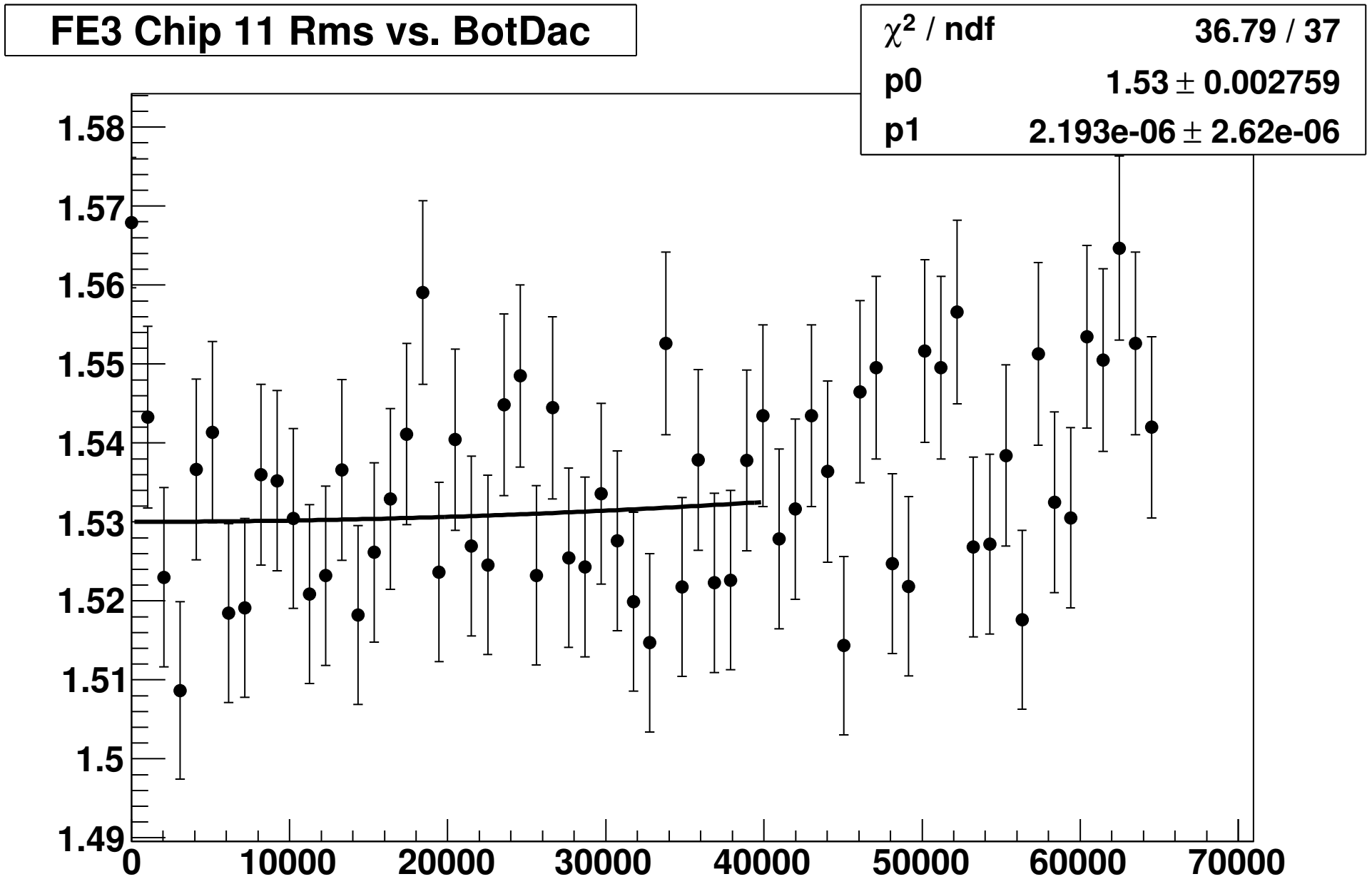
FE3 Chip 11 Rms vs. BotDac
χ² / ndf 36.79 / 37
p0 1.53 ± 0.002759
p1 2.193e-06 ± 2.62e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
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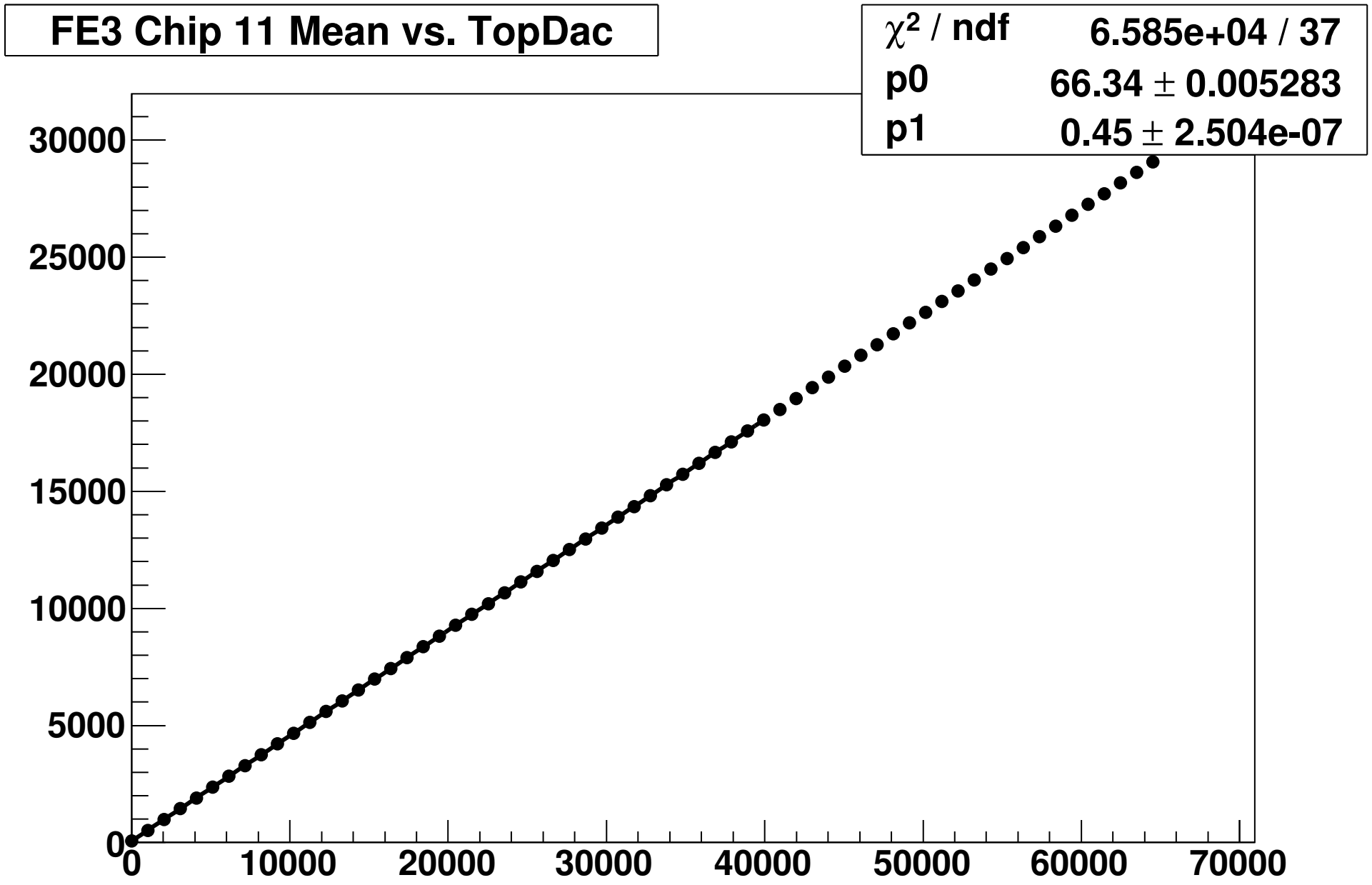
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 6.585e+04 / 37
p0 66.34 ± 0.005283
p1 0.45 ± 2.504e-07
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20000
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5000
0
0
10000
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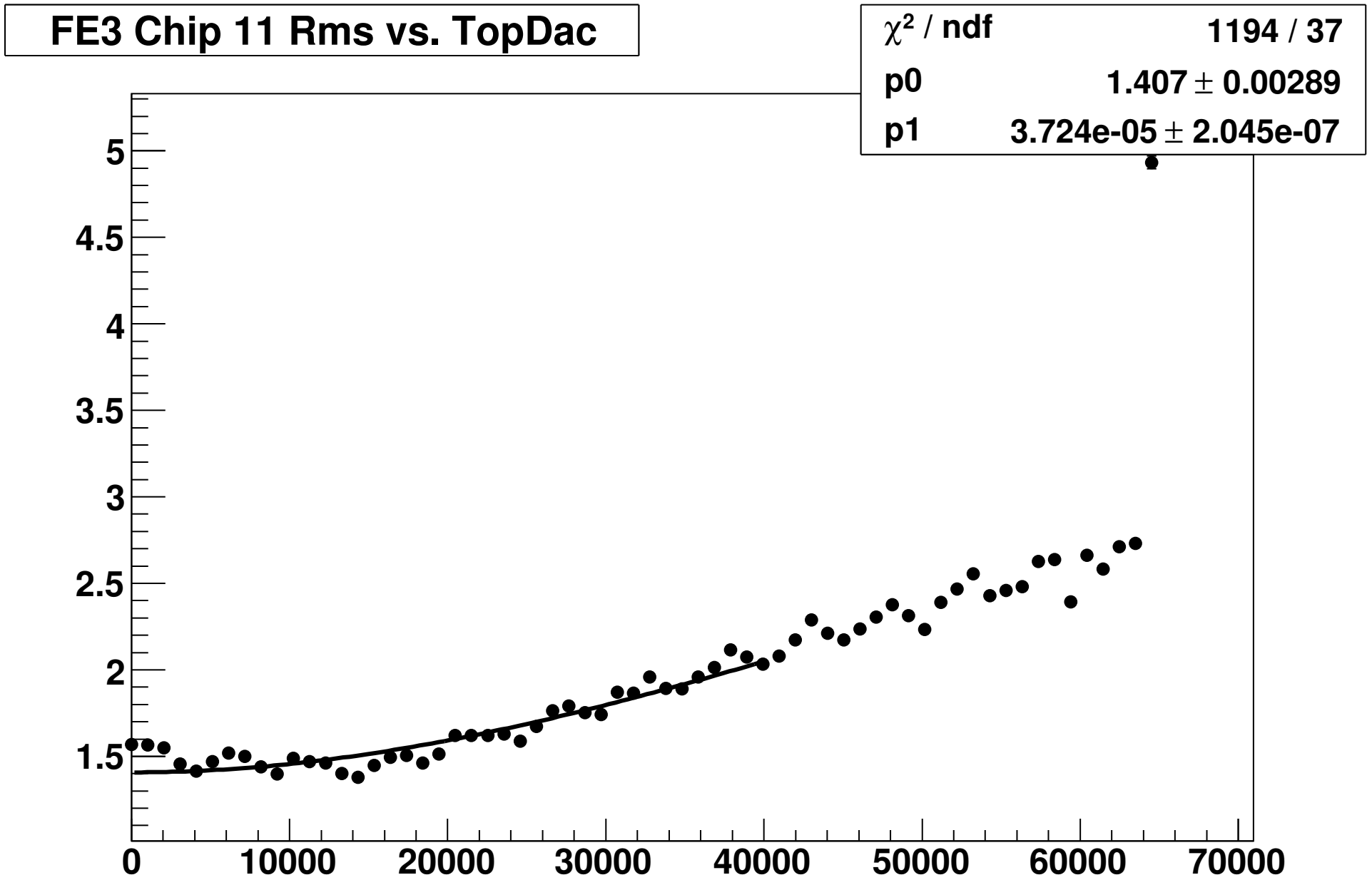
FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1194 / 37
p0 1.407 ± 0.00289
p1 3.724e-05 ± 2.045e-07
5
4.5
4
3.5
3
2.5
2
1.5
0
10000
20000
30000
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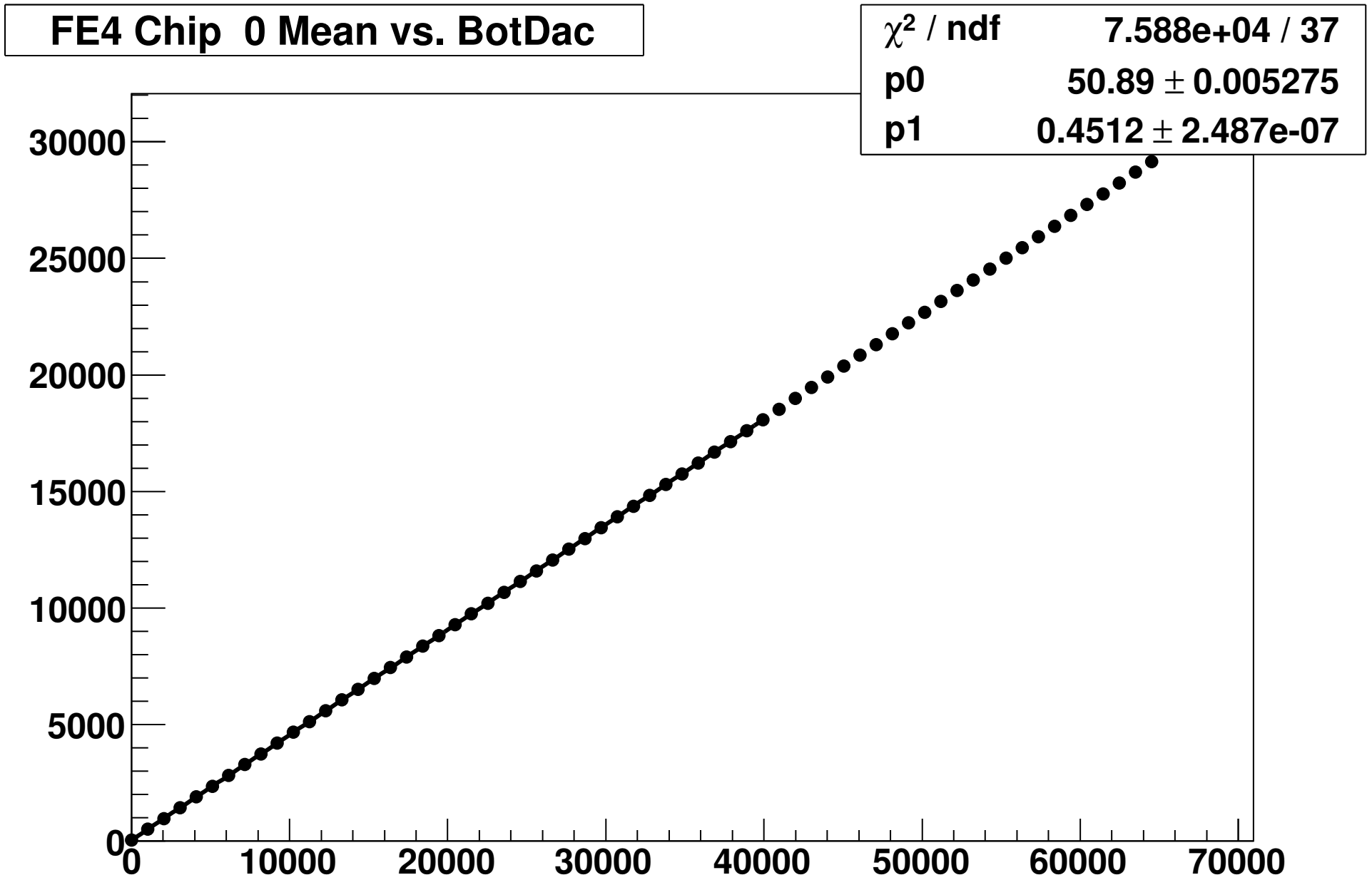
FE4 Chip 0 Mean vs. BotDac
χ² / ndf 7.588e+04 / 37
p0 50.89 ± 0.005275
p1 0.4512 ± 2.487e-07
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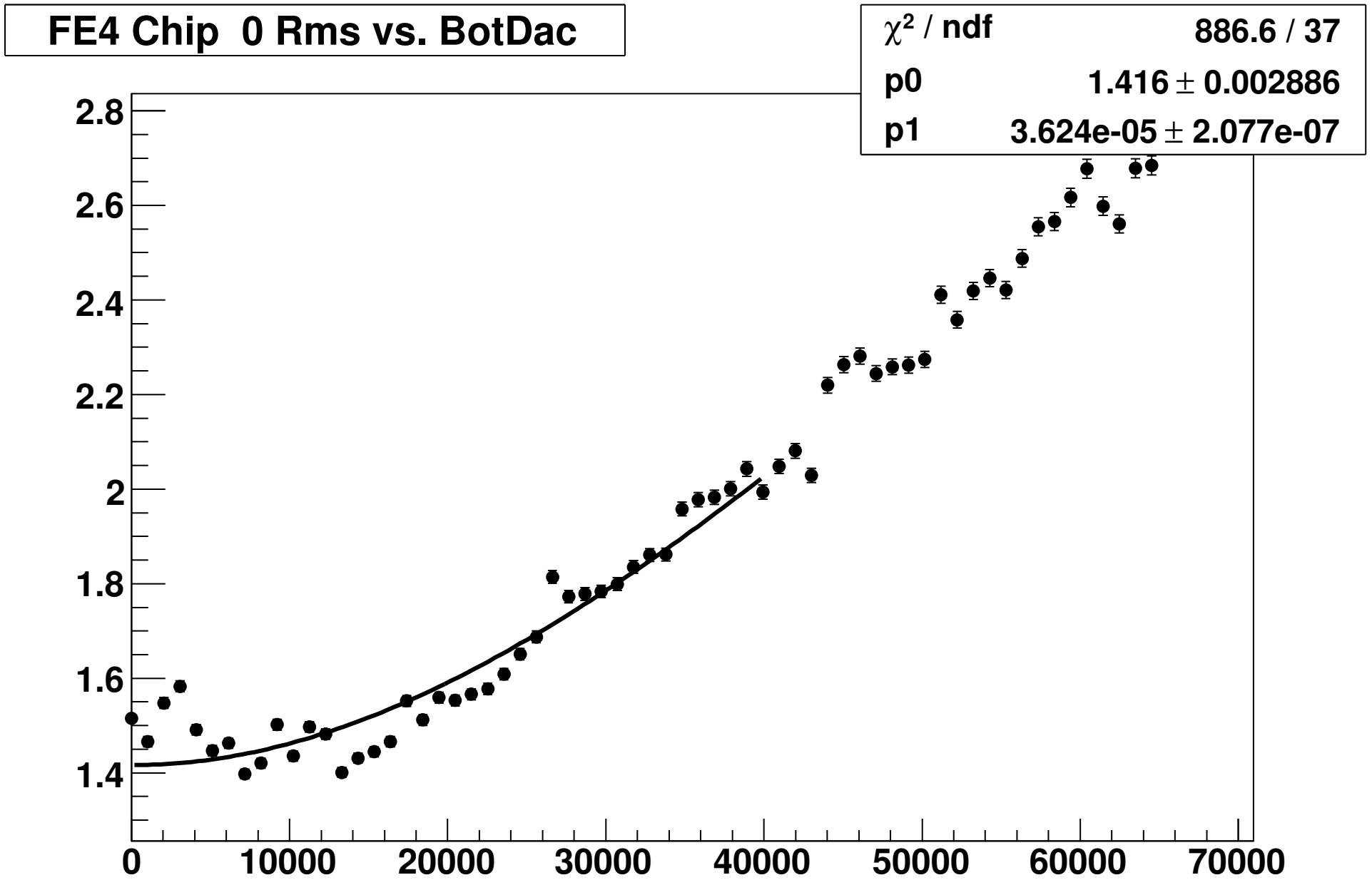
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 886.6 / 37
p0 1.416 ± 0.002886
p1 3.624e-05 ± 2.077e-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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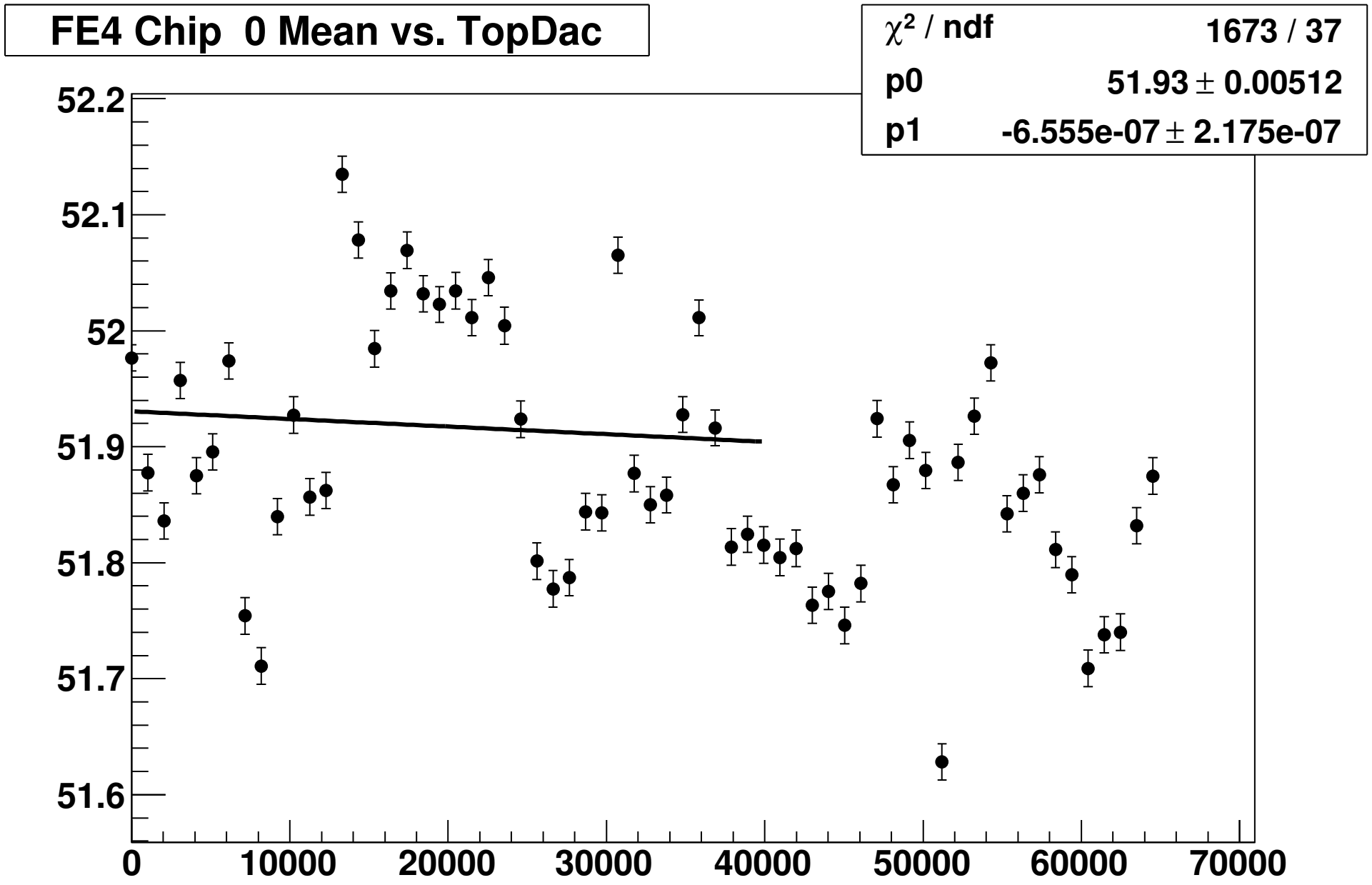
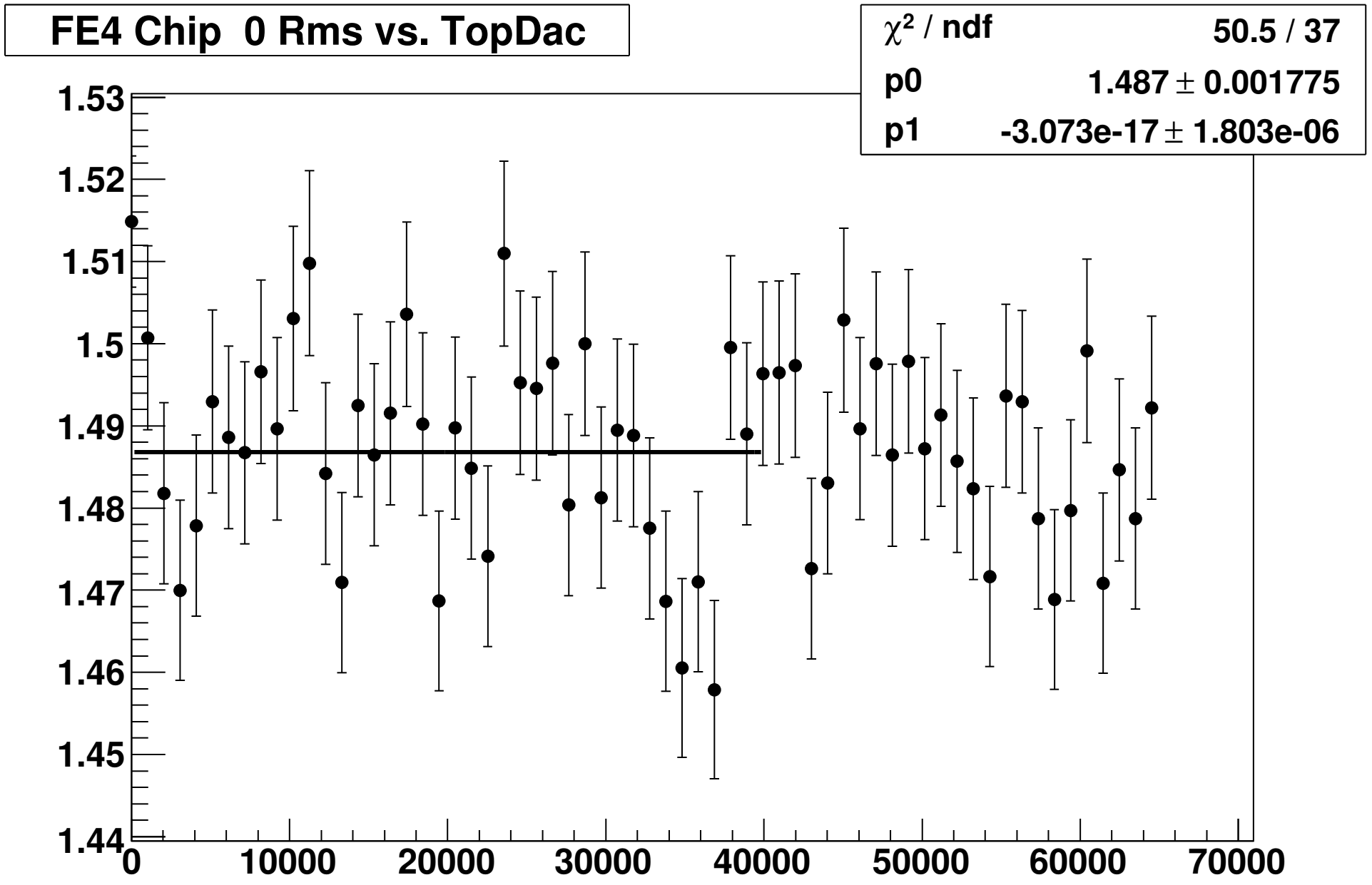
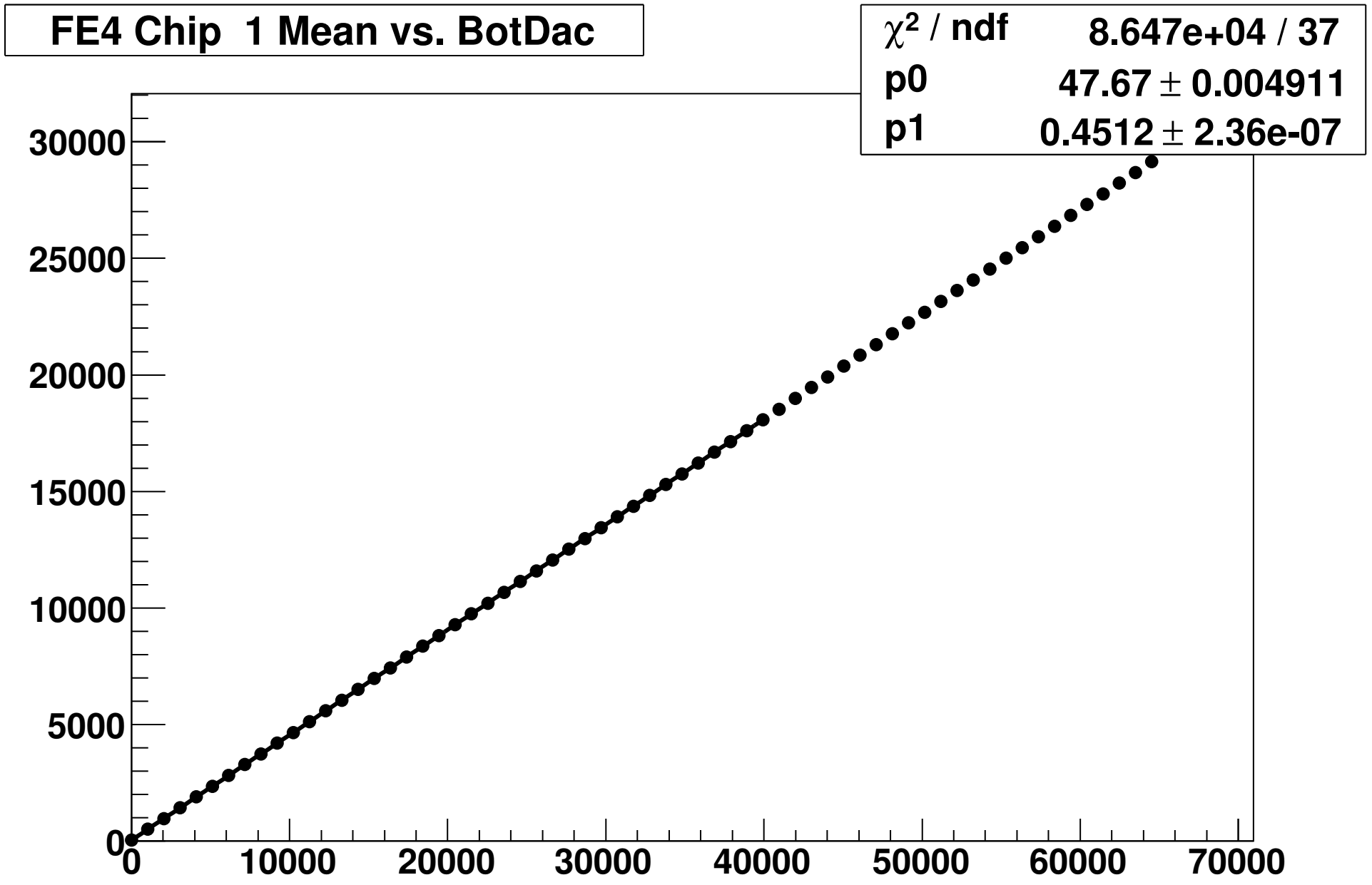

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 1673 / 37
p0 51.93 ± 0.00512
p1 -6.555e-07 ± 2.175e-07
52.2
52.1
52
51.9
51.8
51.7
51.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 50.5 / 37
p0 1.487 ± 0.001775
p1 -3.073e-17 ± 1.803e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 8.647e+04 / 37
p0 47.67 ± 0.004911
p1 0.4512 ± 2.36e-07
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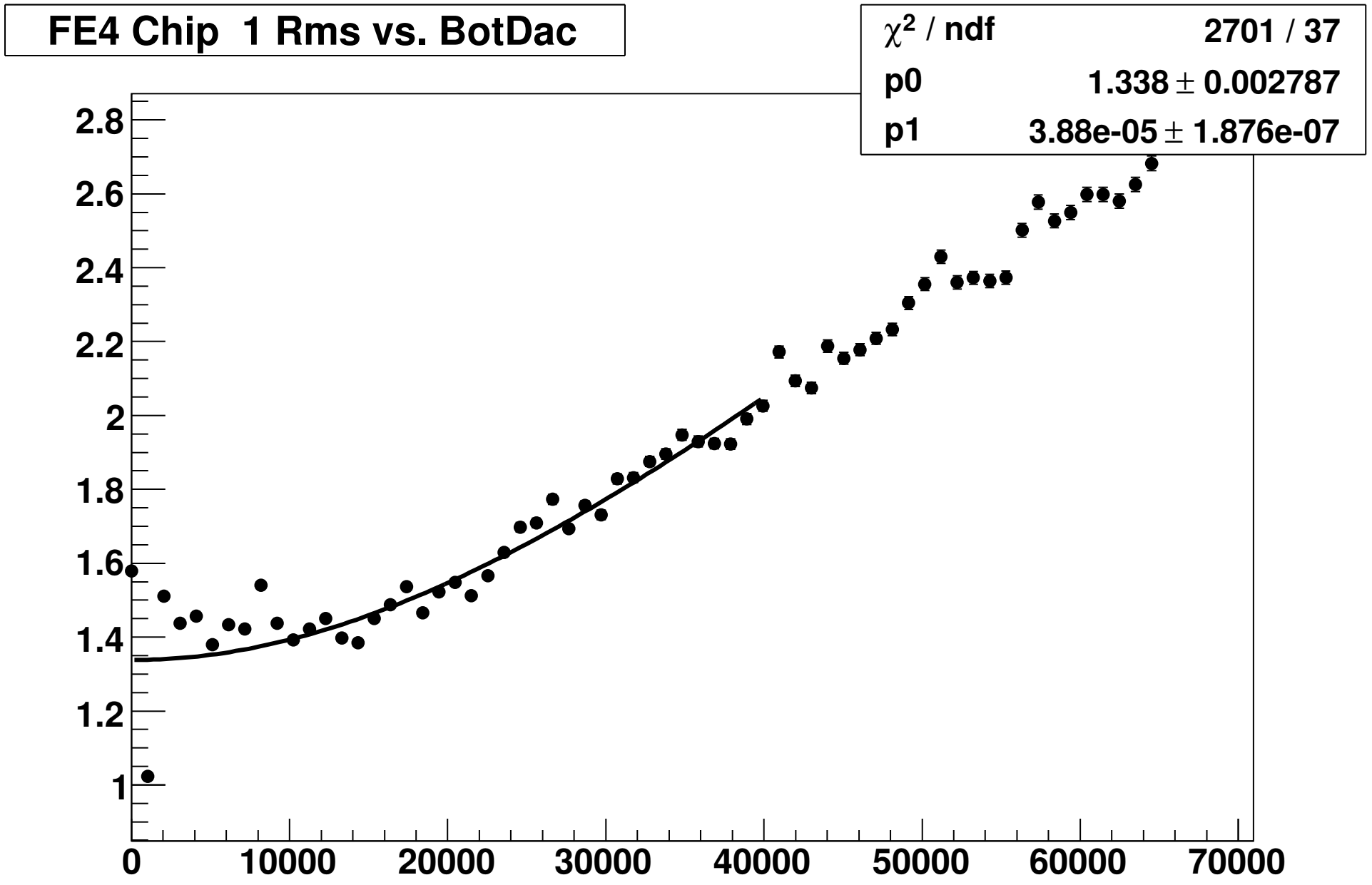
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 2701 / 37
p0 1.338 ± 0.002787
p1 3.88e-05 ± 1.876e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0
10000
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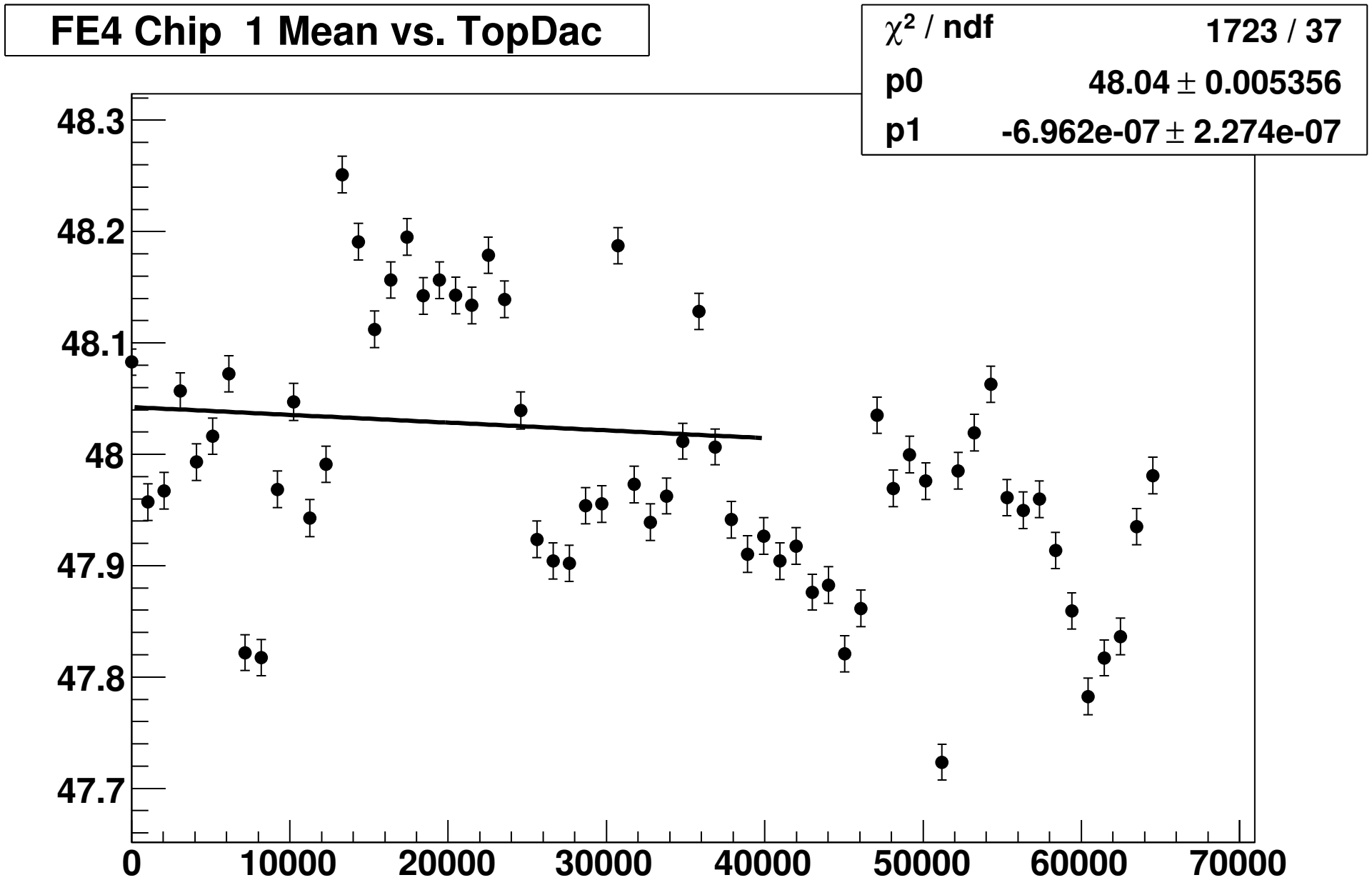
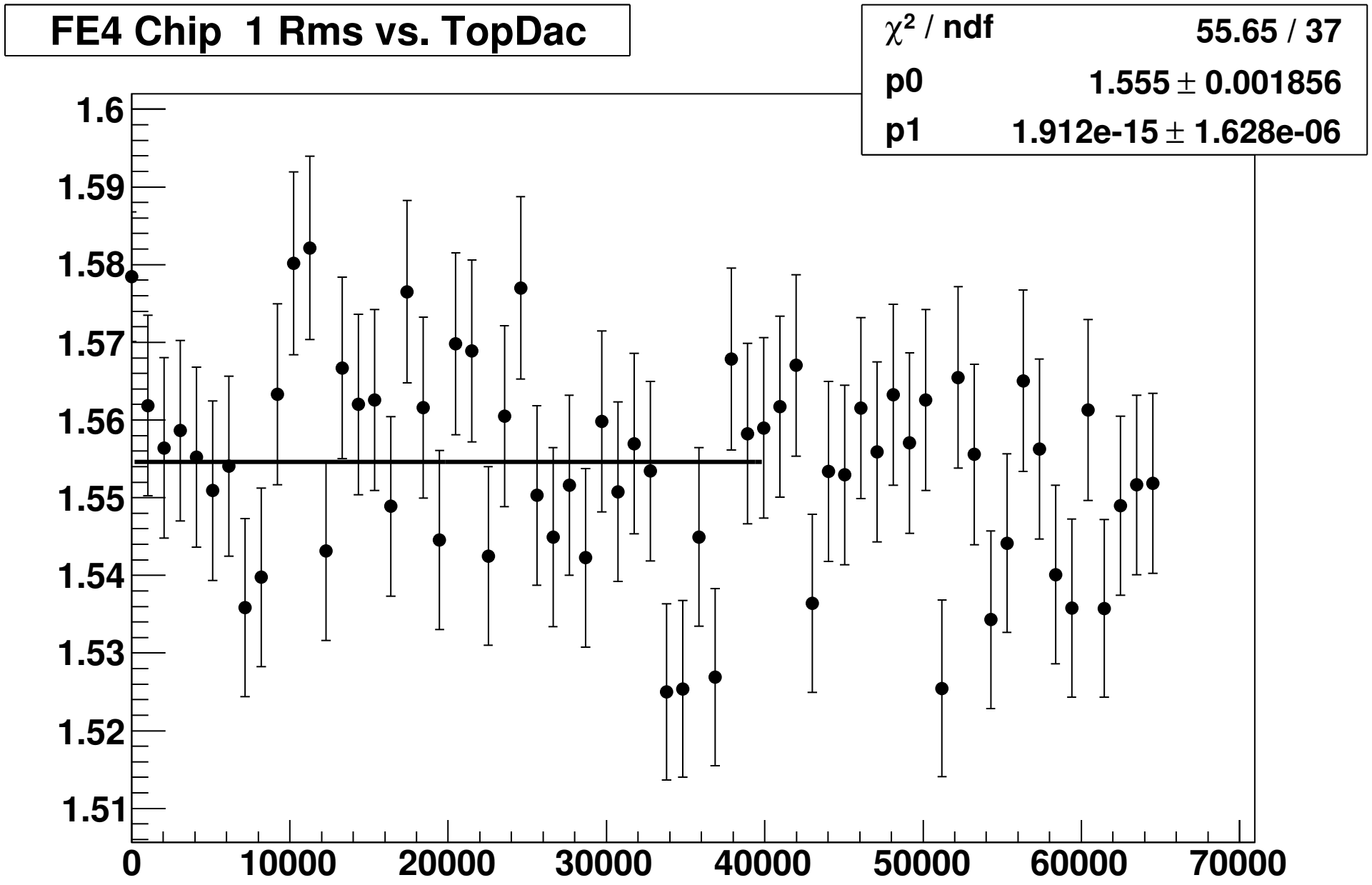
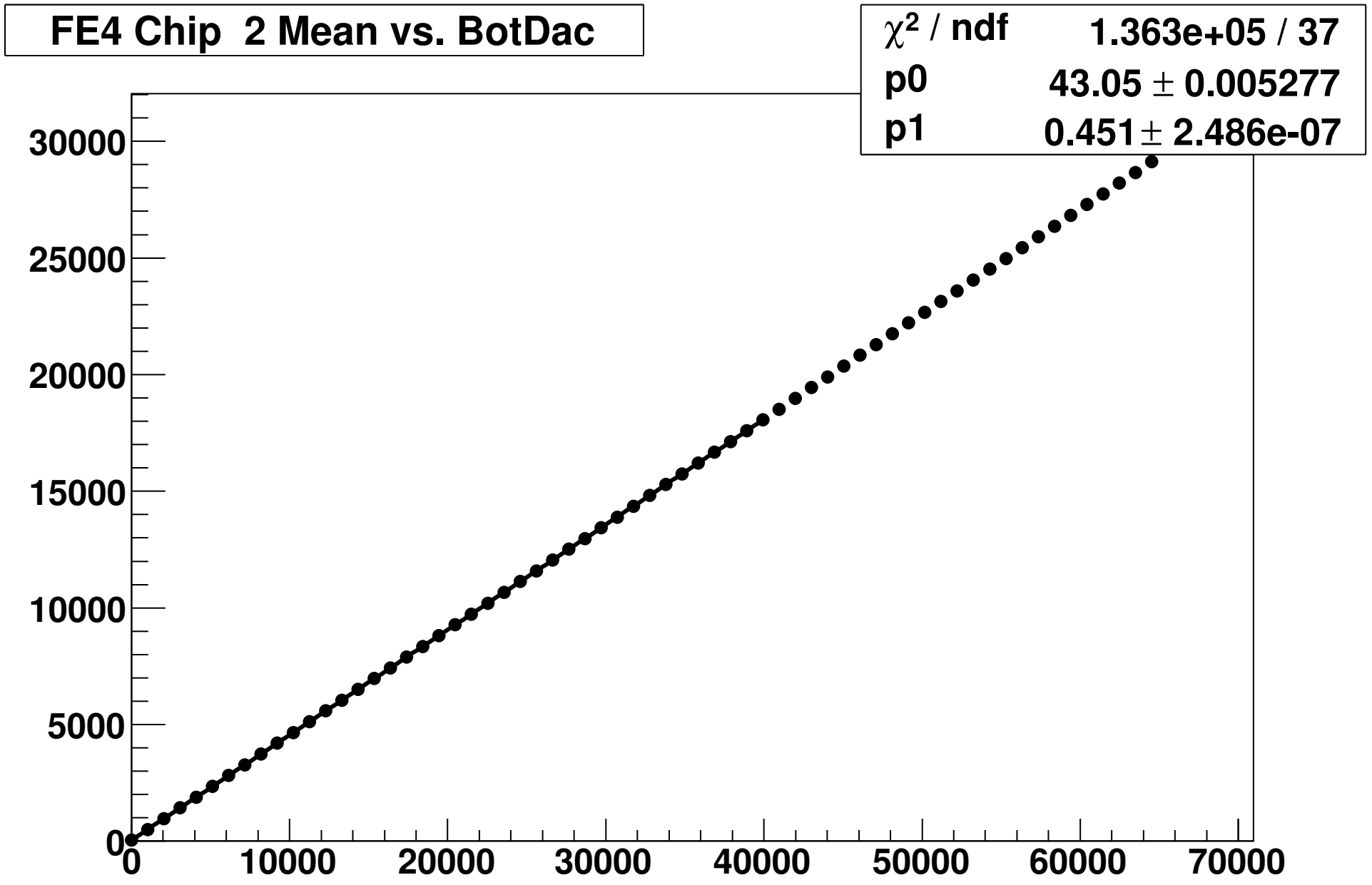
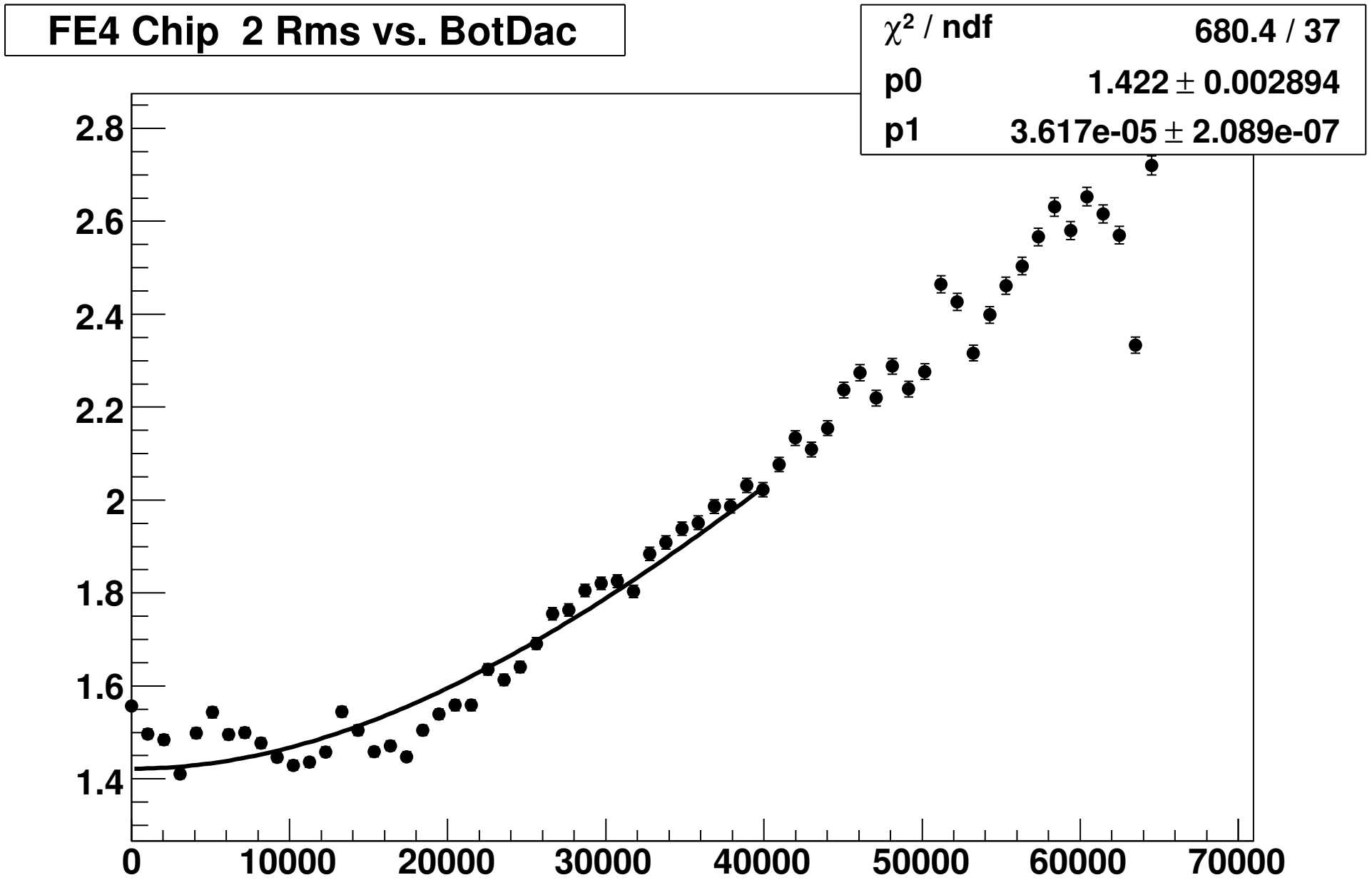

FE4 Chip 1 Mean vs. TopDac
χ² / ndf 1723 / 37
p0 48.04 ± 0.005356
p1 -6.962e-07 ± 2.274e-07
48.3
48.2
48.1
48
47.9
47.8
47.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 55.65 / 37
p0 1.555 ± 0.001856
p1 1.912e-15 ± 1.628e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 1.363e+05 / 37
p0 43.05 ± 0.005277
p1 0.451 ± 2.486e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 680.4 / 37
p0 1.422 ± 0.002894
p1 3.617e-05 ± 2.089e-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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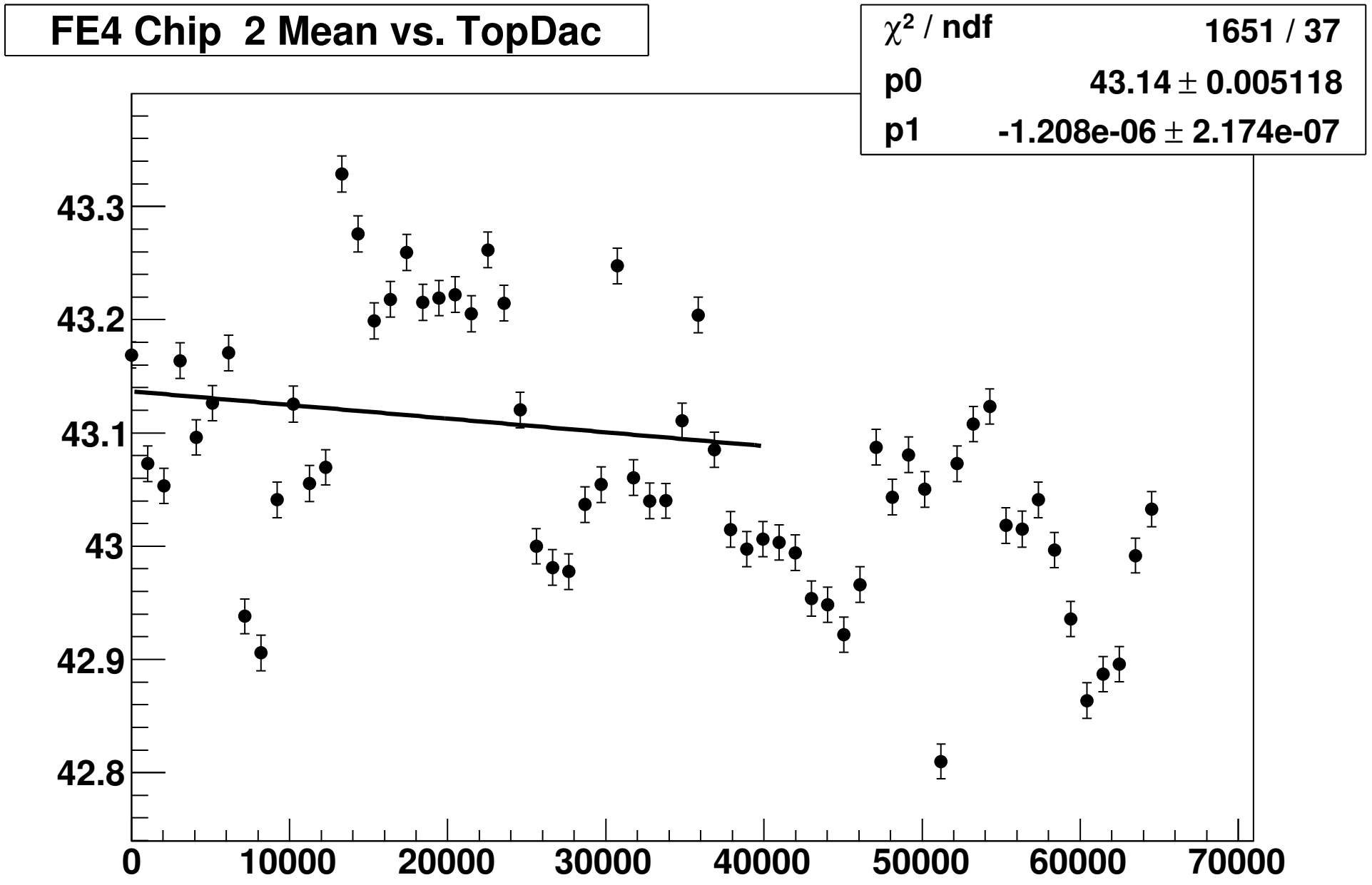
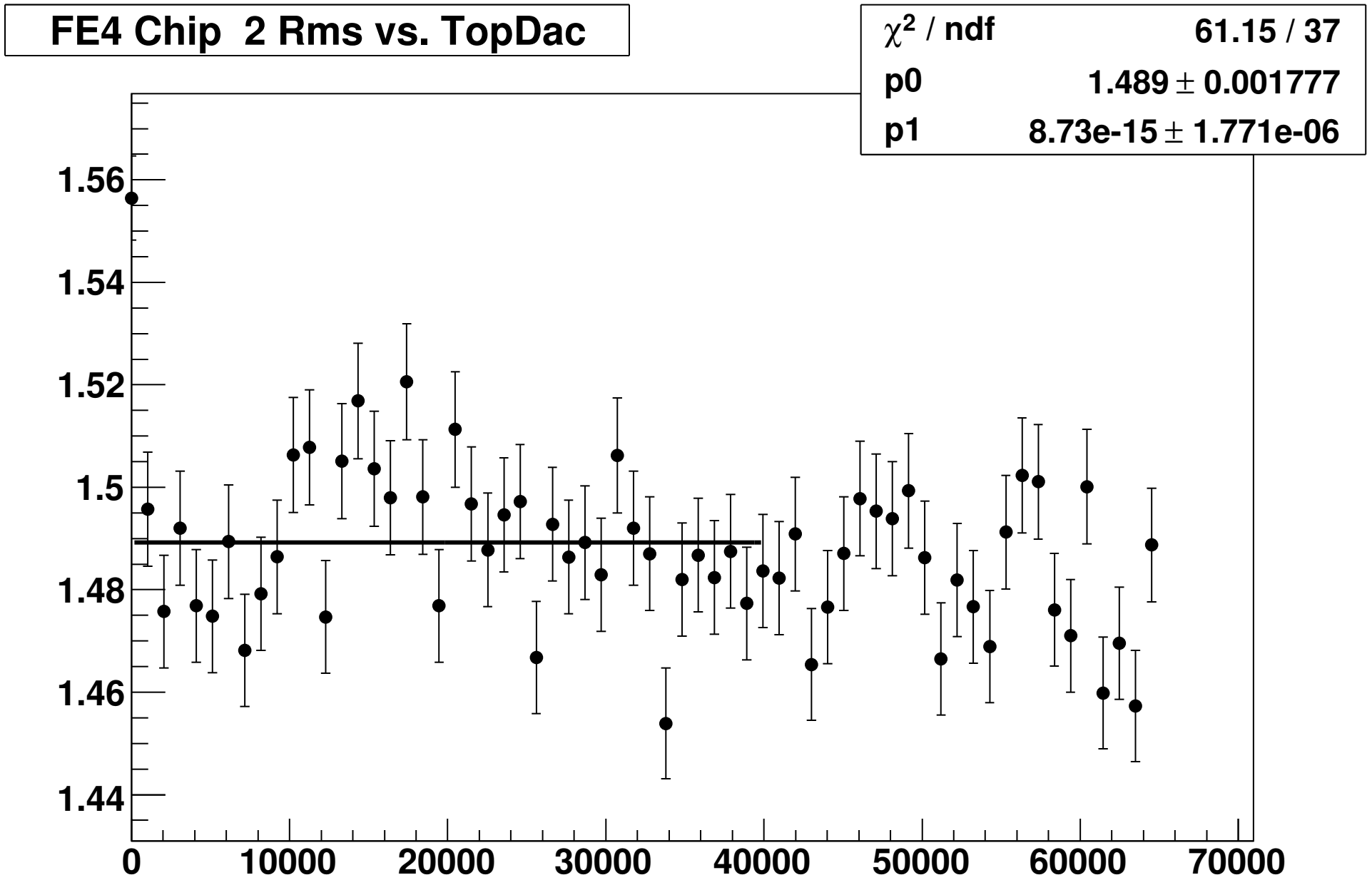
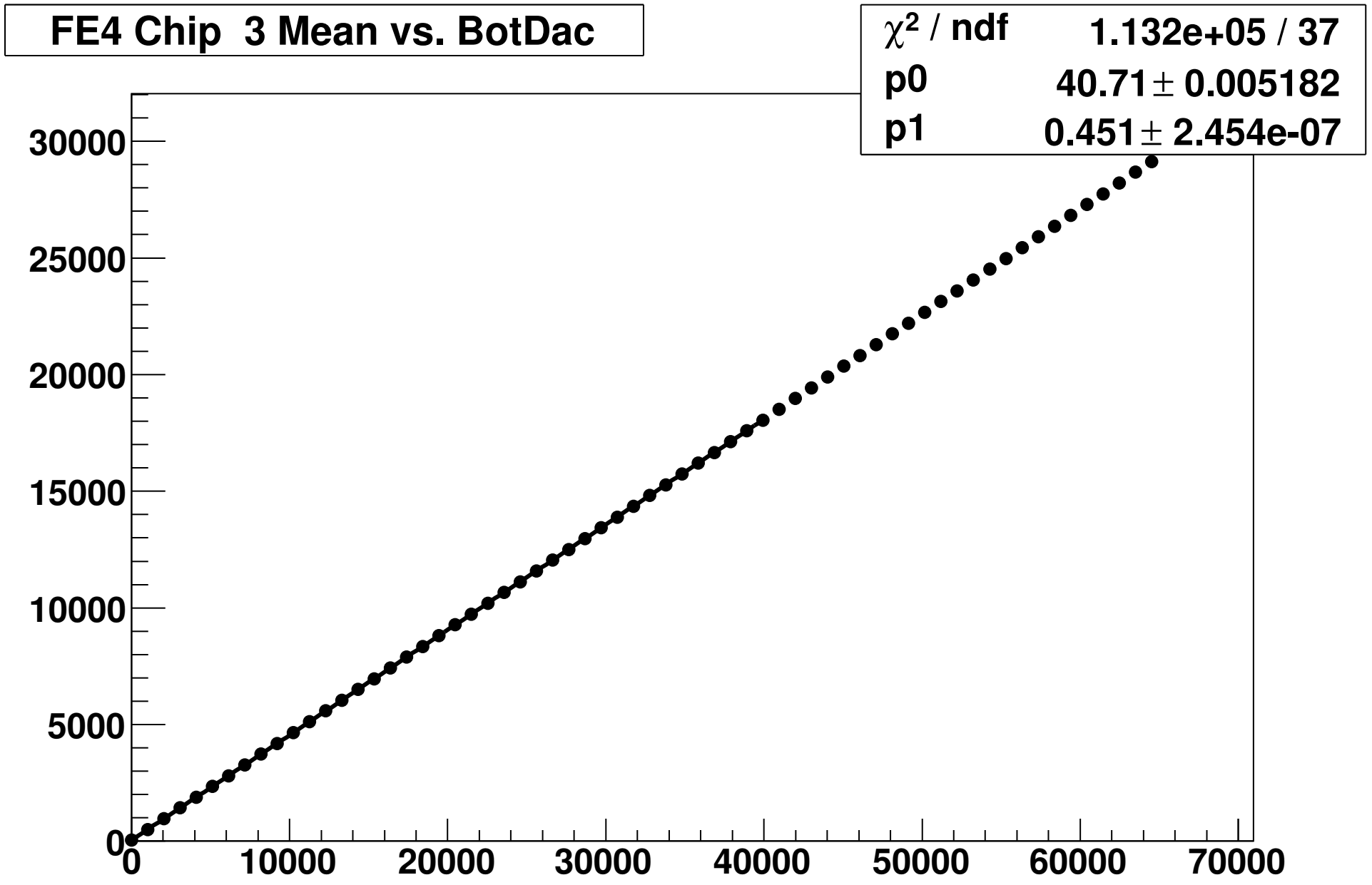

FE4 Chip 2 Mean vs. TopDac
χ² / ndf 1651 / 37
p0 43.14 ± 0.005118
p1 -1.208e-06 ± 2.174e-07
43.3
43.2
43.1
43
42.9
42.8
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 61.15 / 37
p0 1.489 ± 0.001777
p1 8.73e-15 ± 1.771e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 1.132e+05 / 37
p0 40.71 ± 0.005182
p1 0.451 ± 2.454e-07
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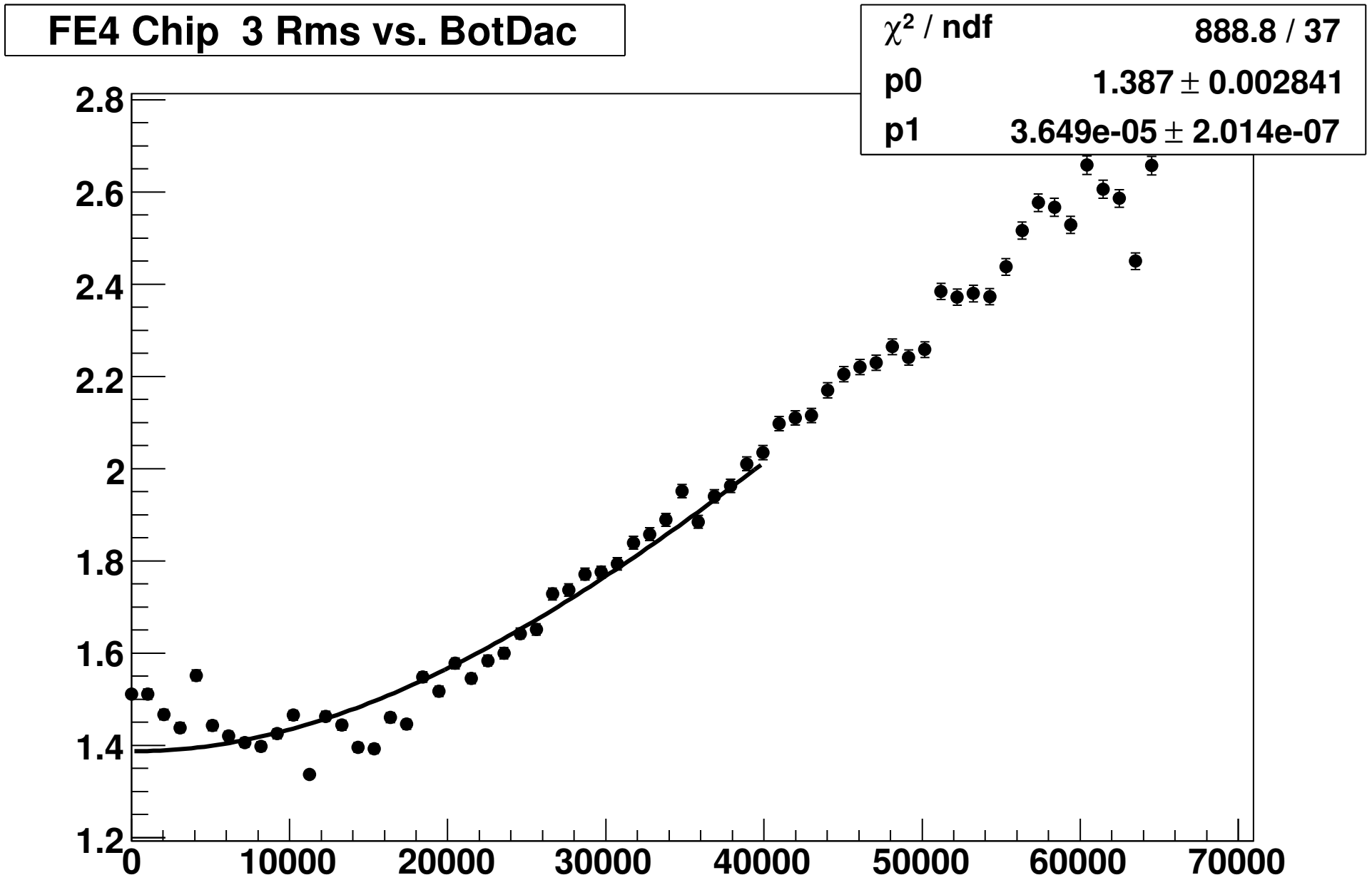
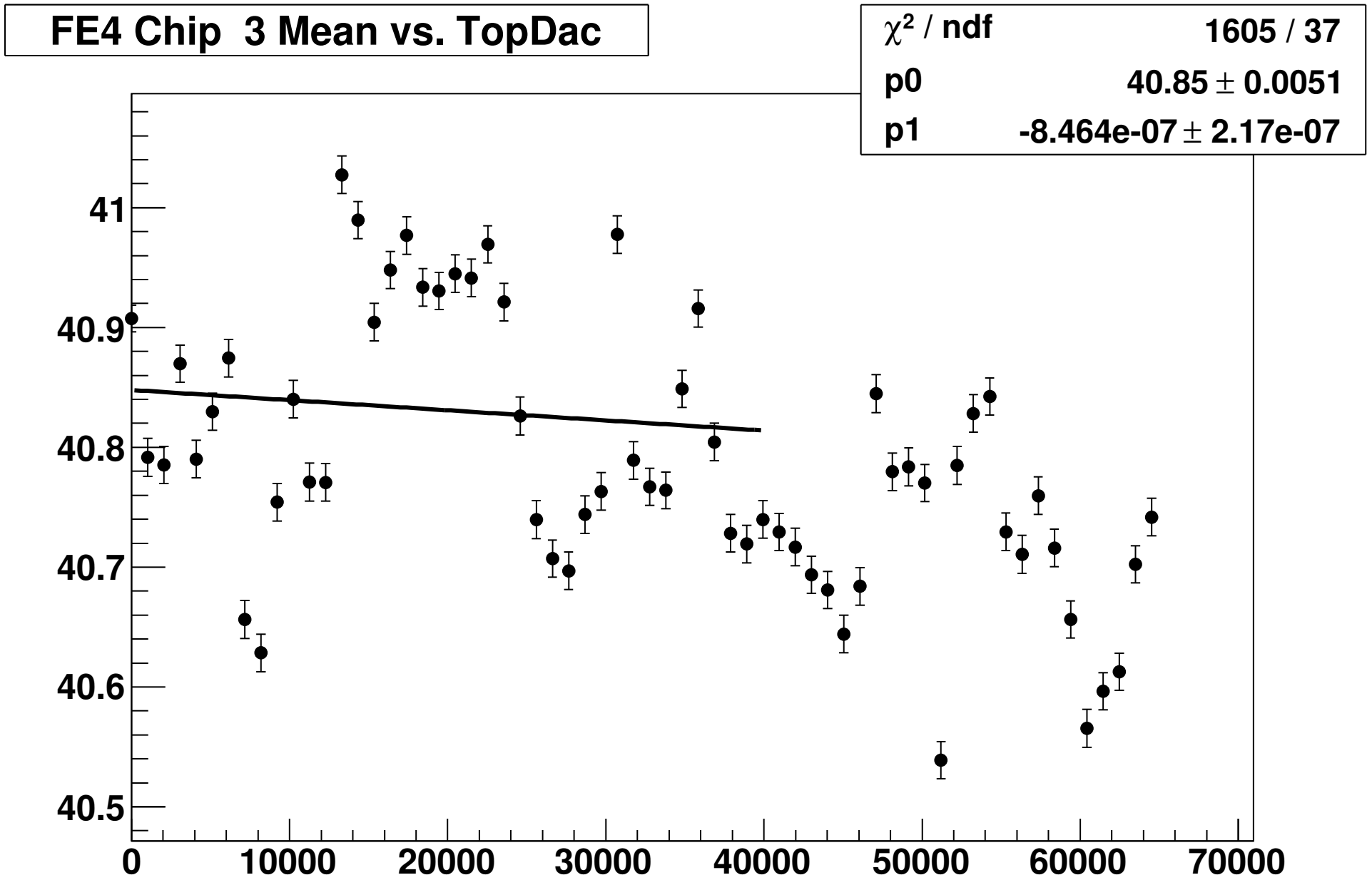
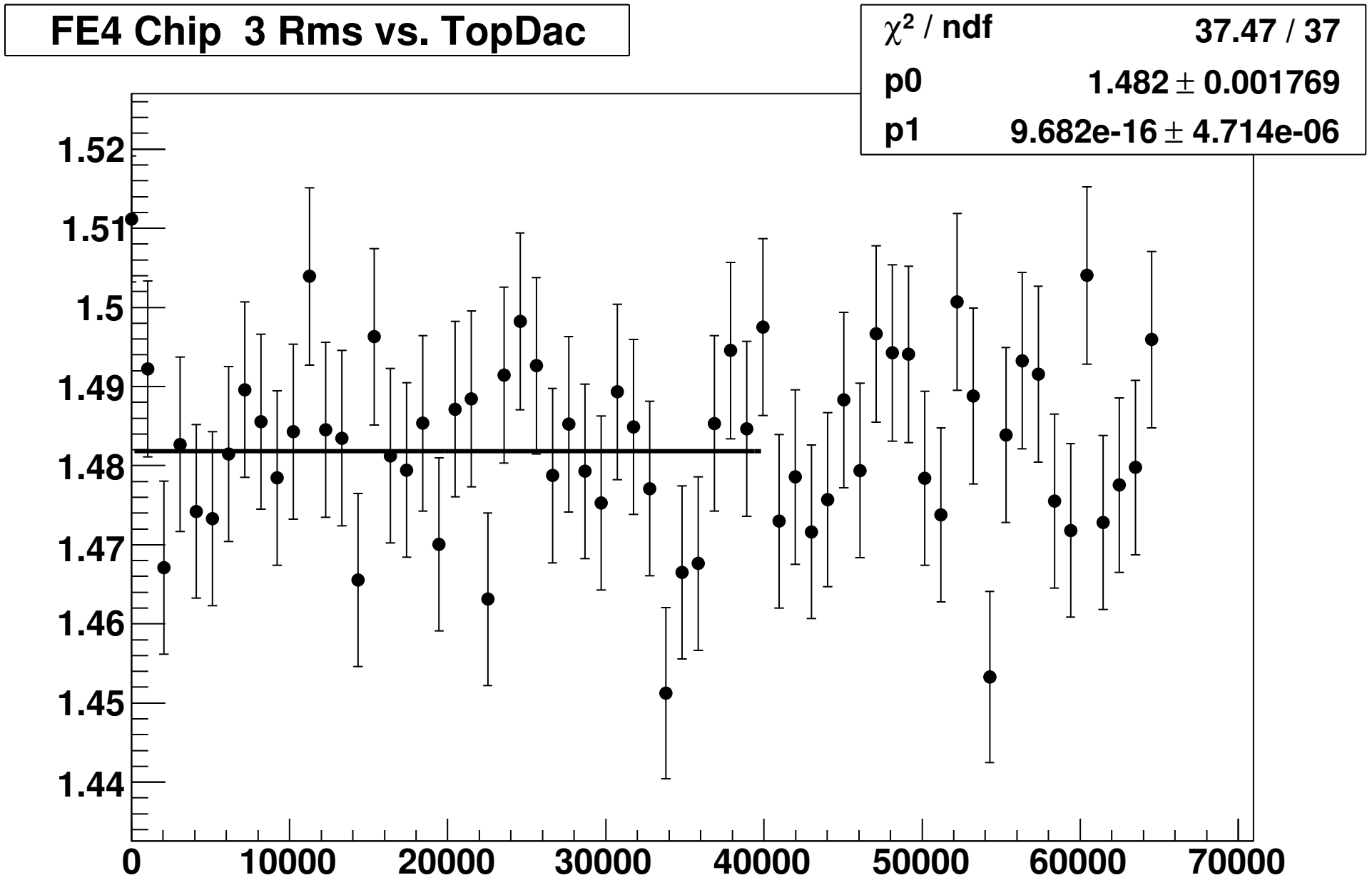
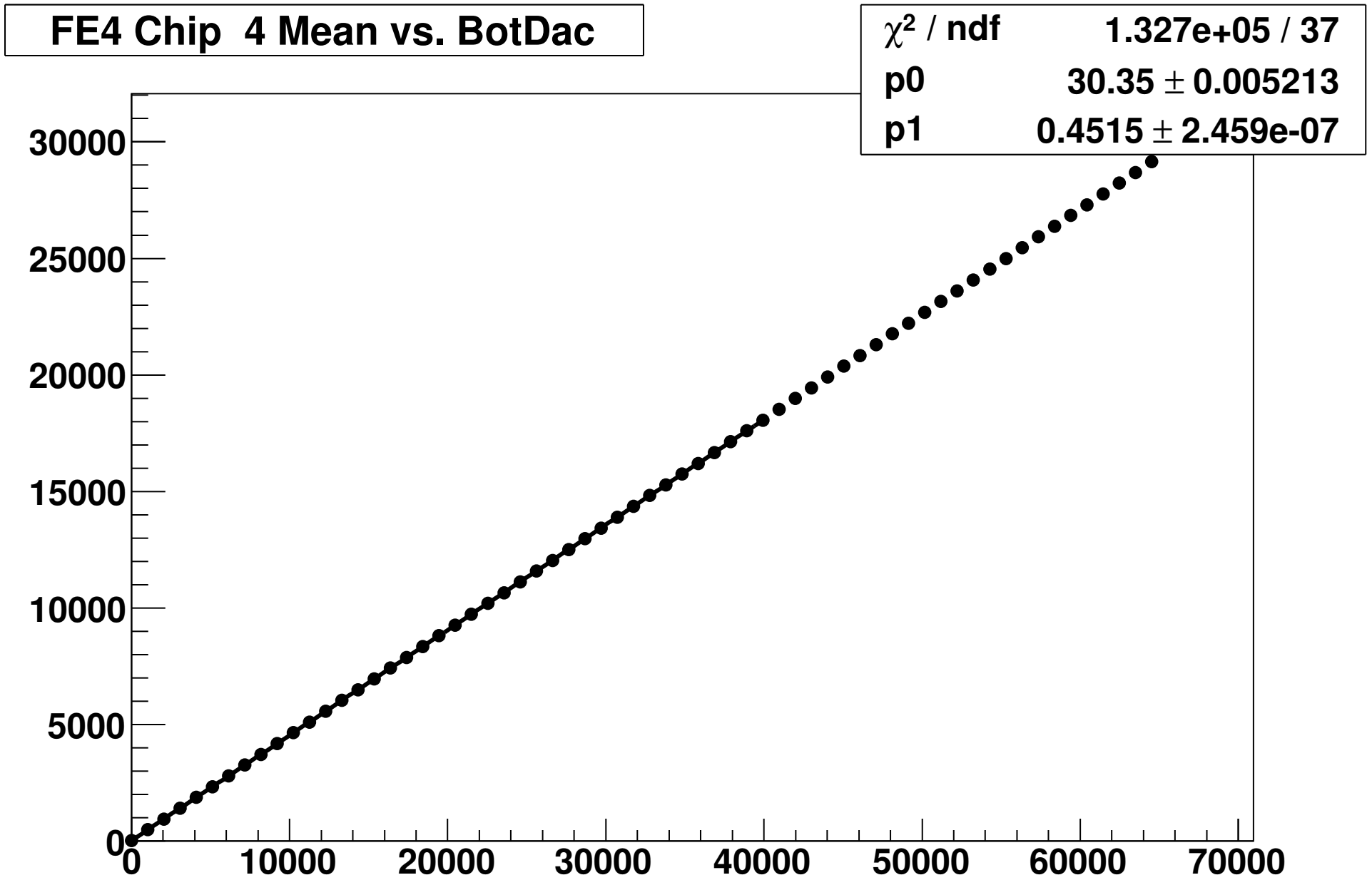
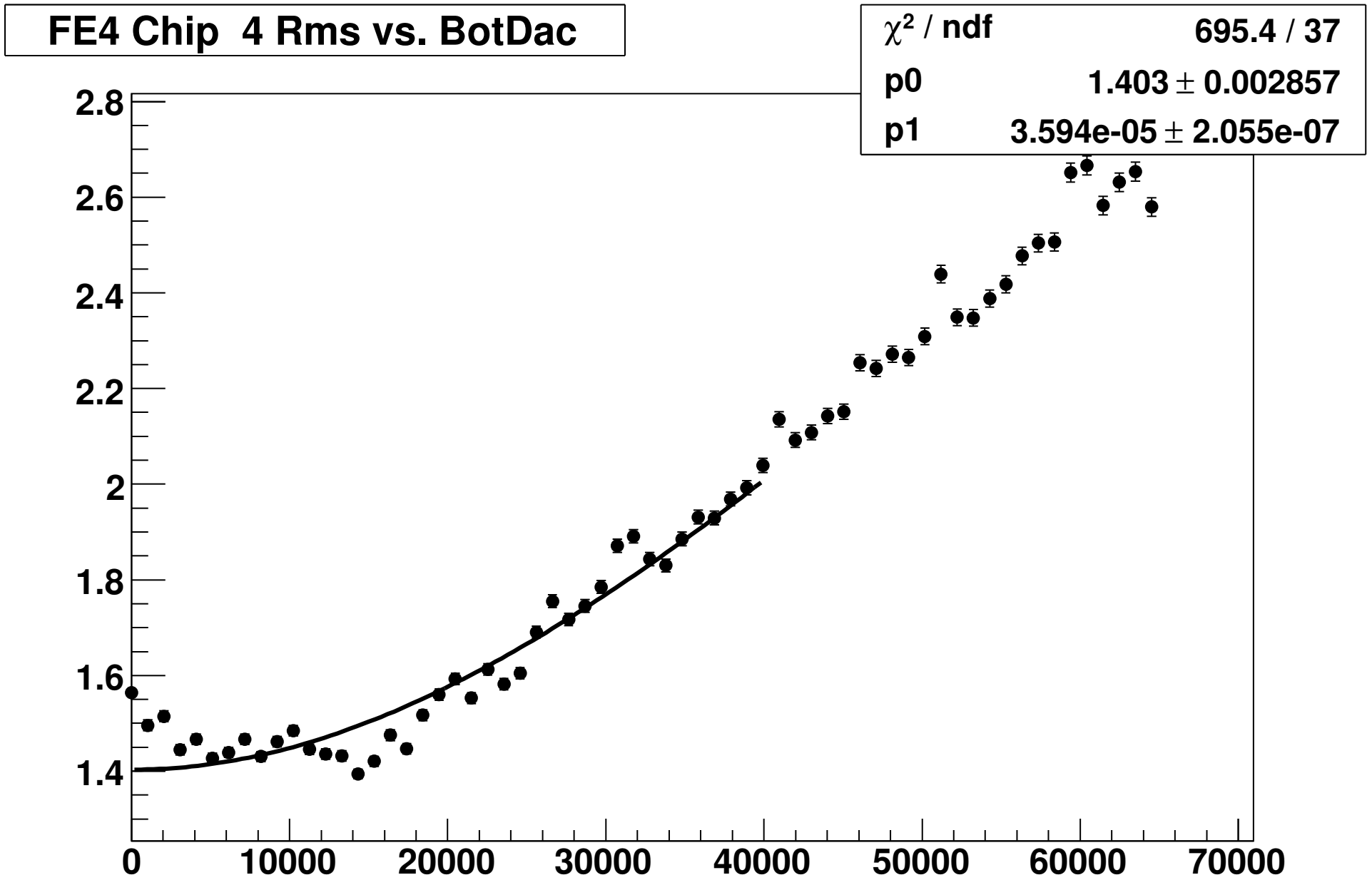
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 888.8 / 37
p0 1.387 ± 0.002841
p1 3.649e-05 ± 2.014e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 1605 / 37
p0 40.85 ± 0.0051
p1 -8.464e-07 ± 2.17e-07
41
40.9
40.8
40.7
40.6
40.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 37.47 / 37
p0 1.482 ± 0.001769
p1 9.682e-16 ± 4.714e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 1.327e+05 / 37
p0 30.35 ± 0.005213
p1 0.4515 ± 2.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 695.4 / 37
p0 1.403 ± 0.002857
p1 3.594e-05 ± 2.055e-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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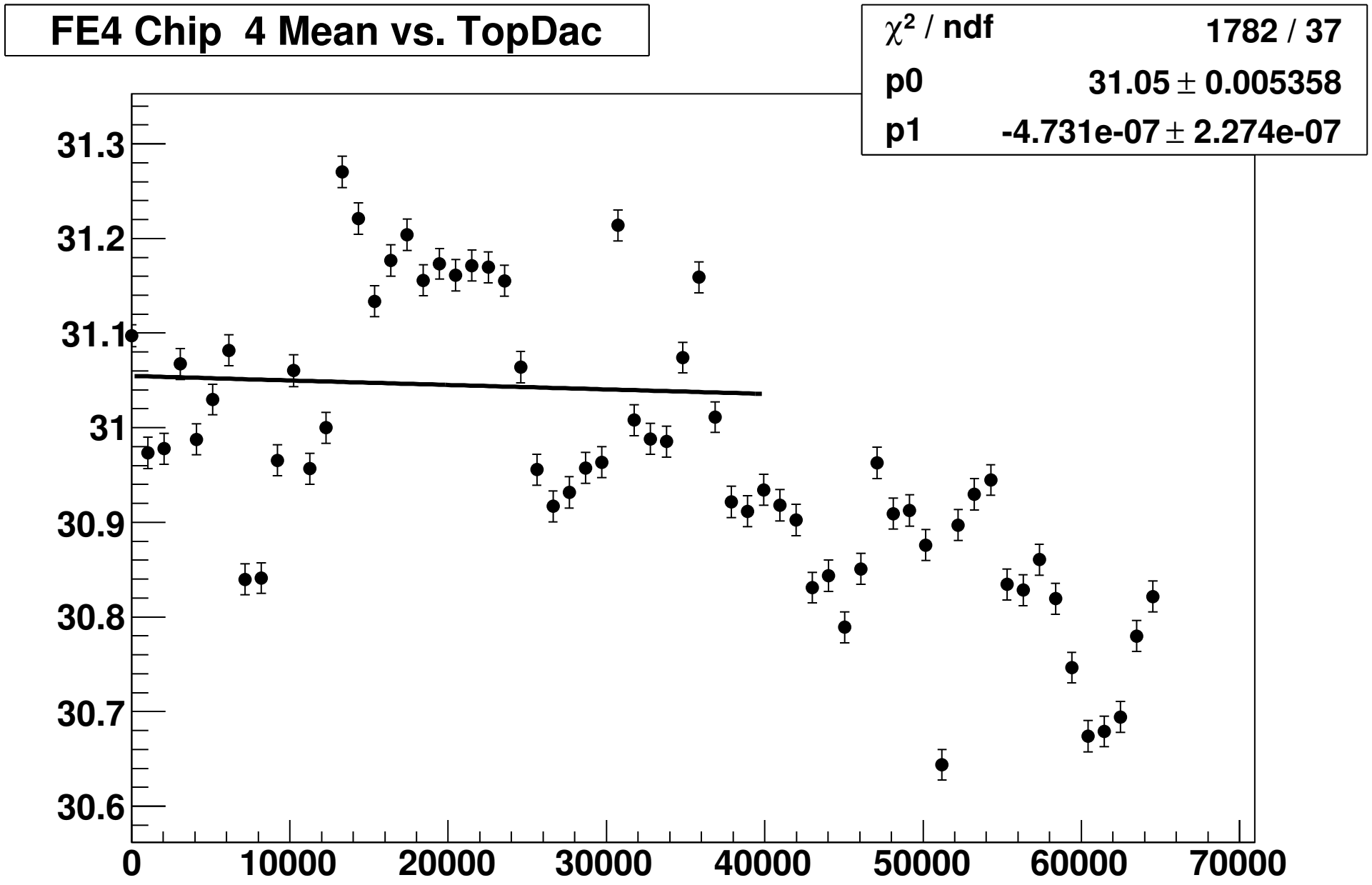
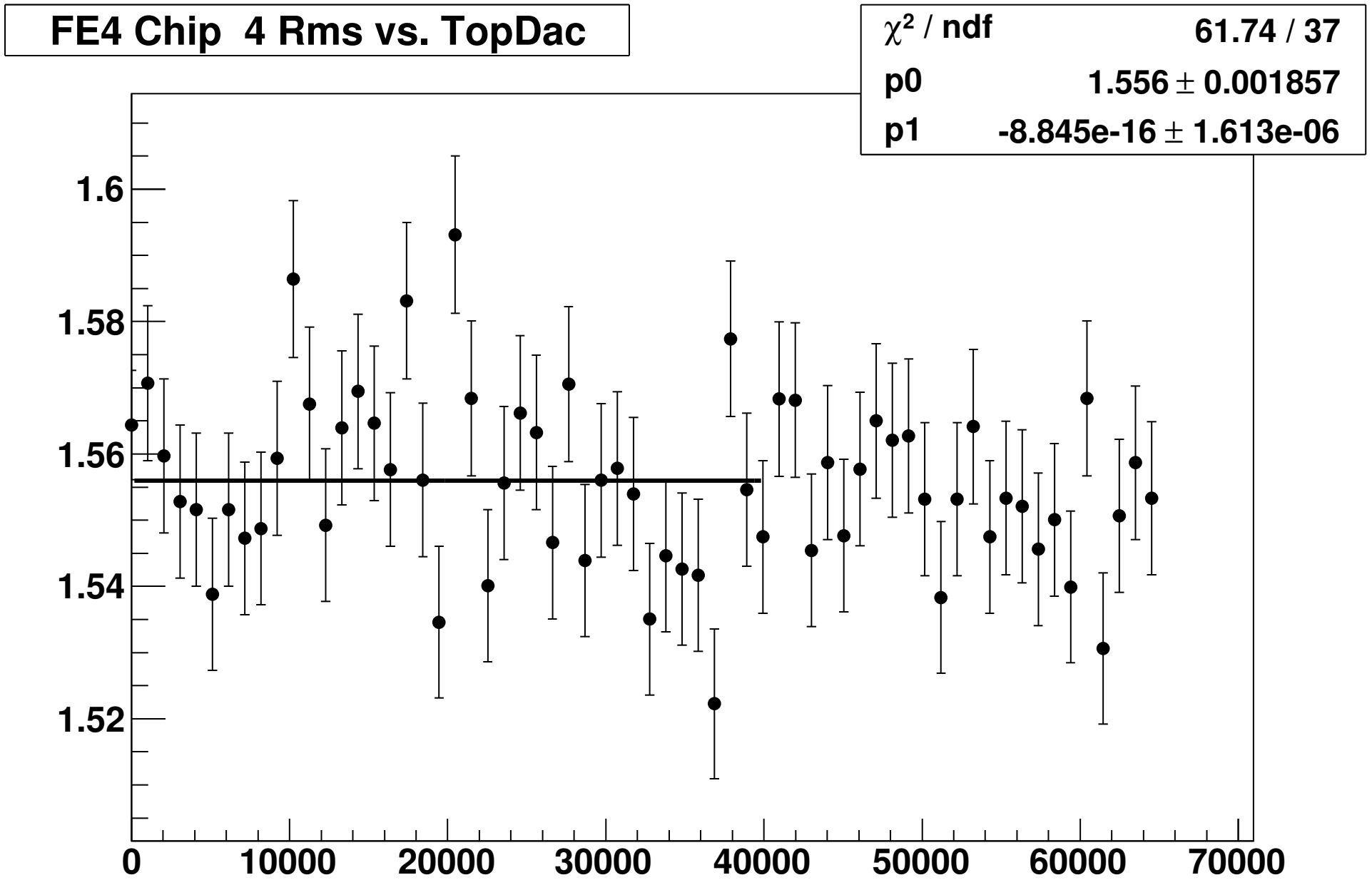
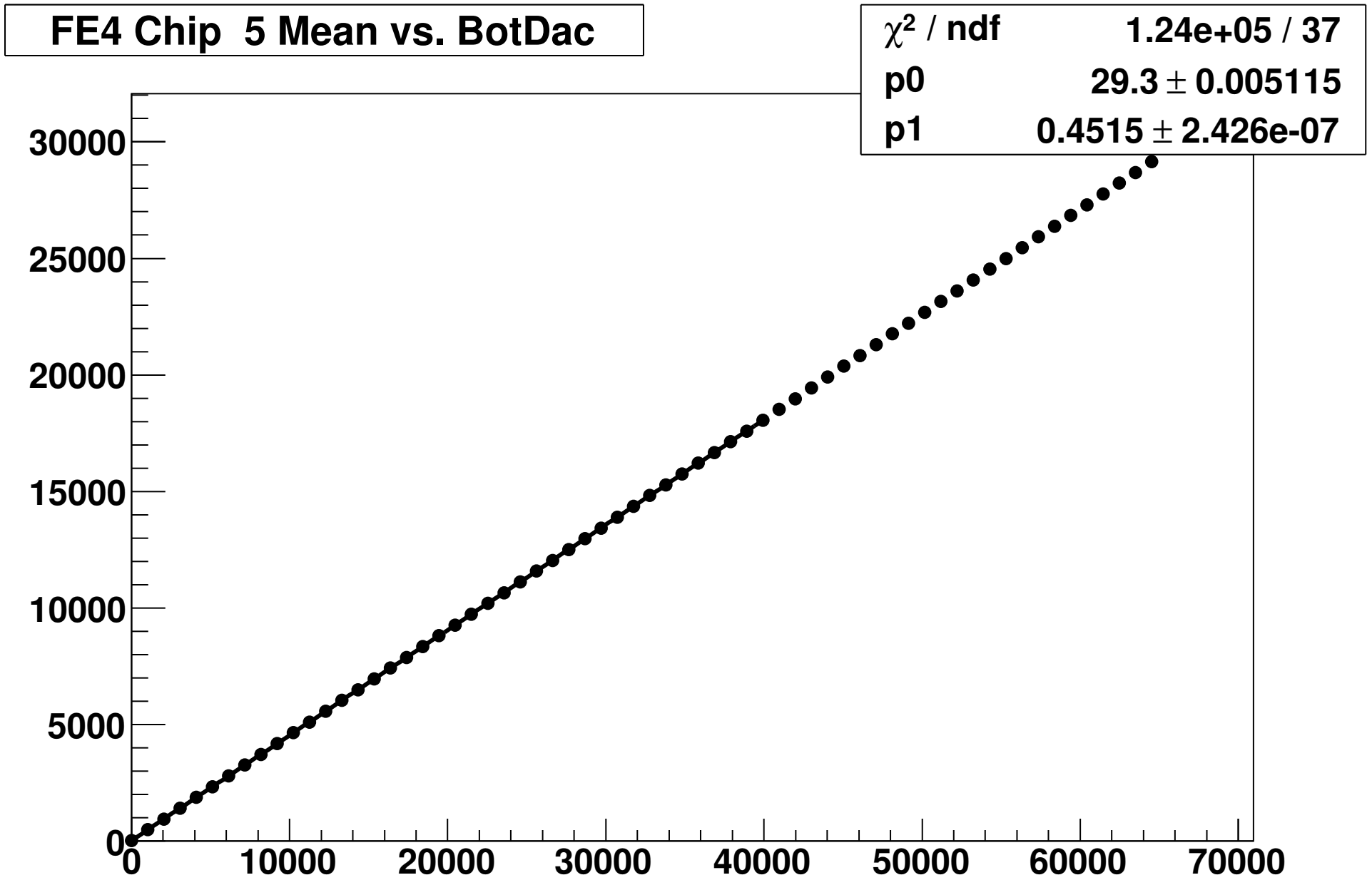
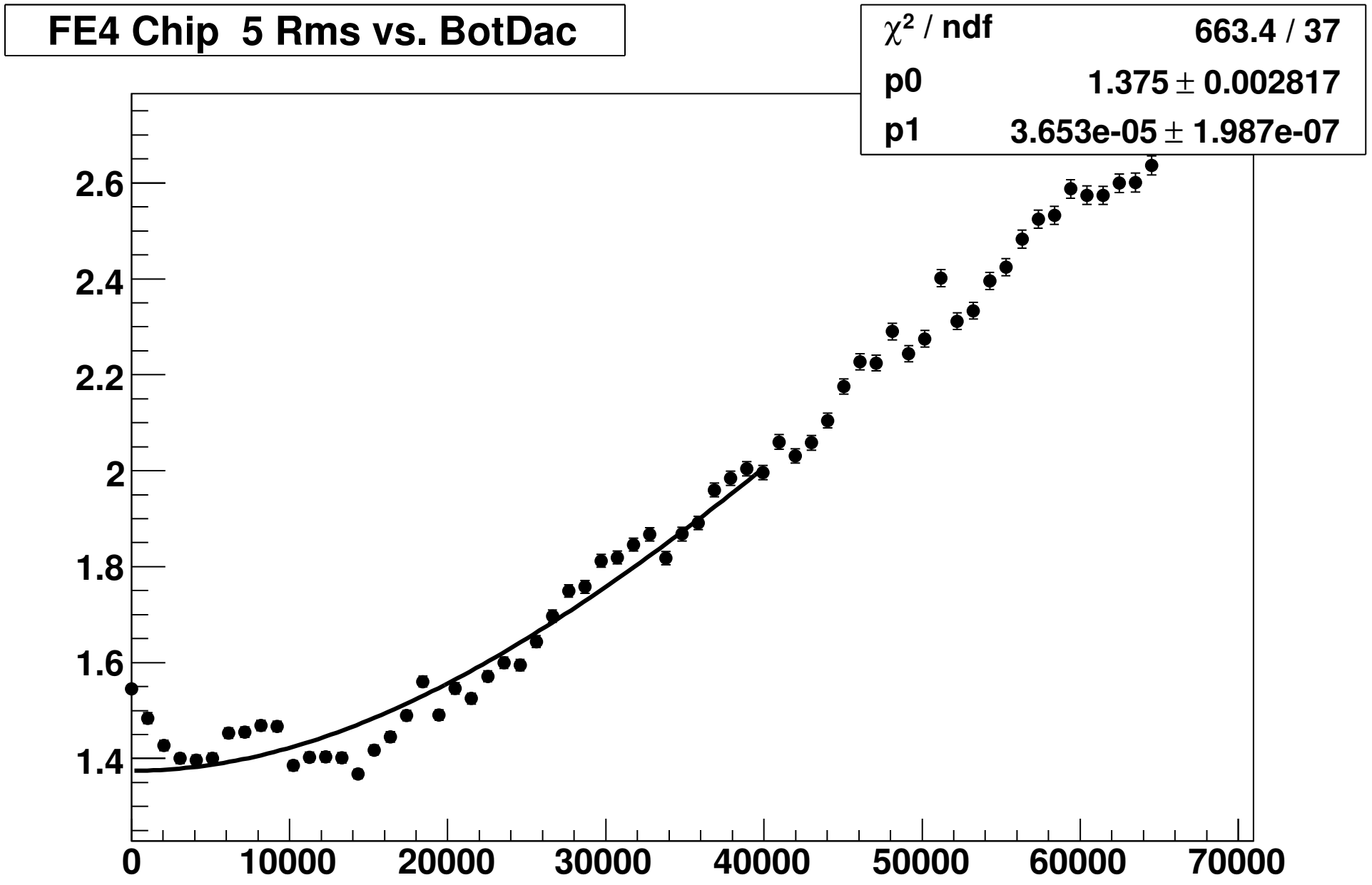
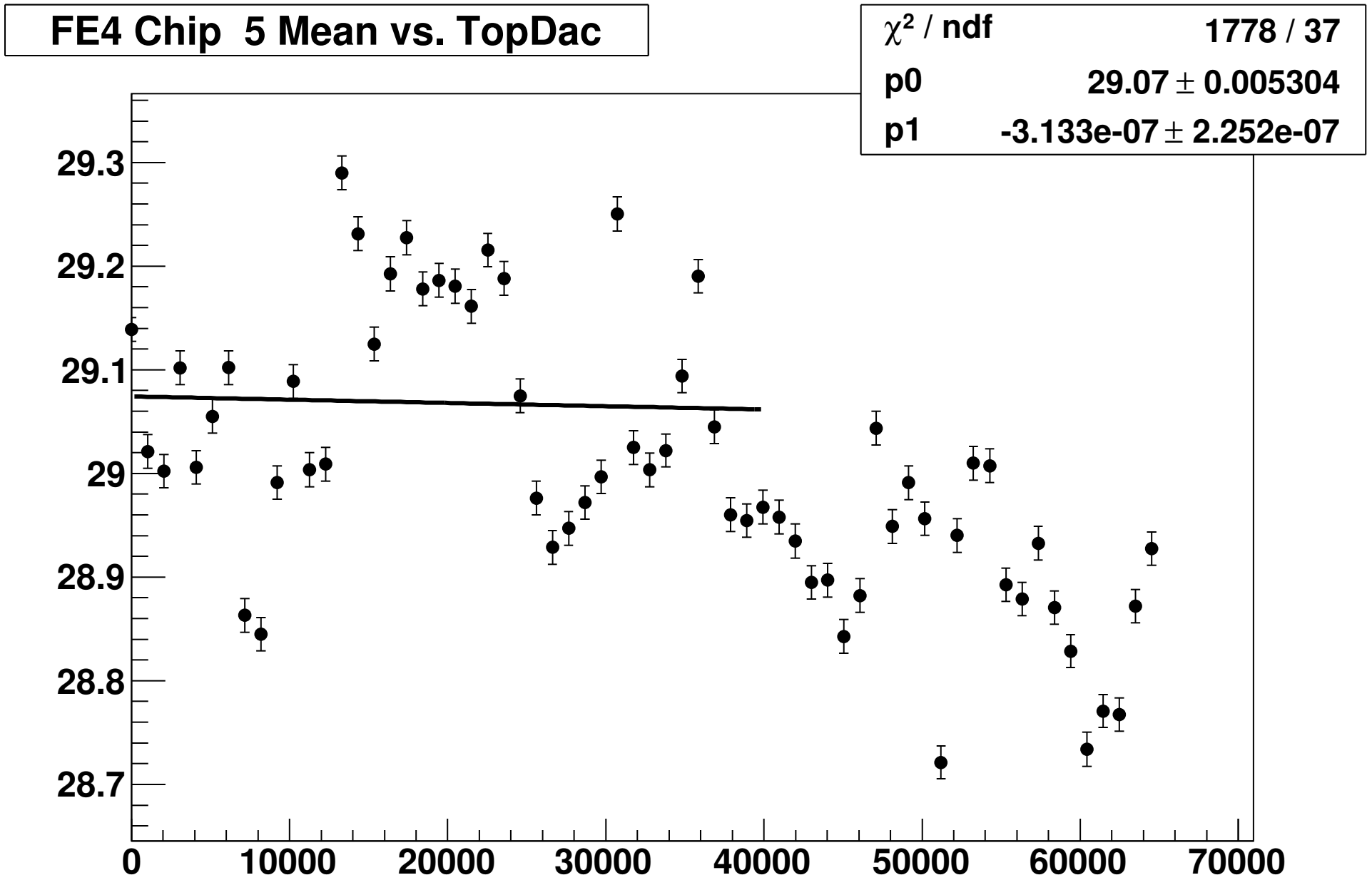
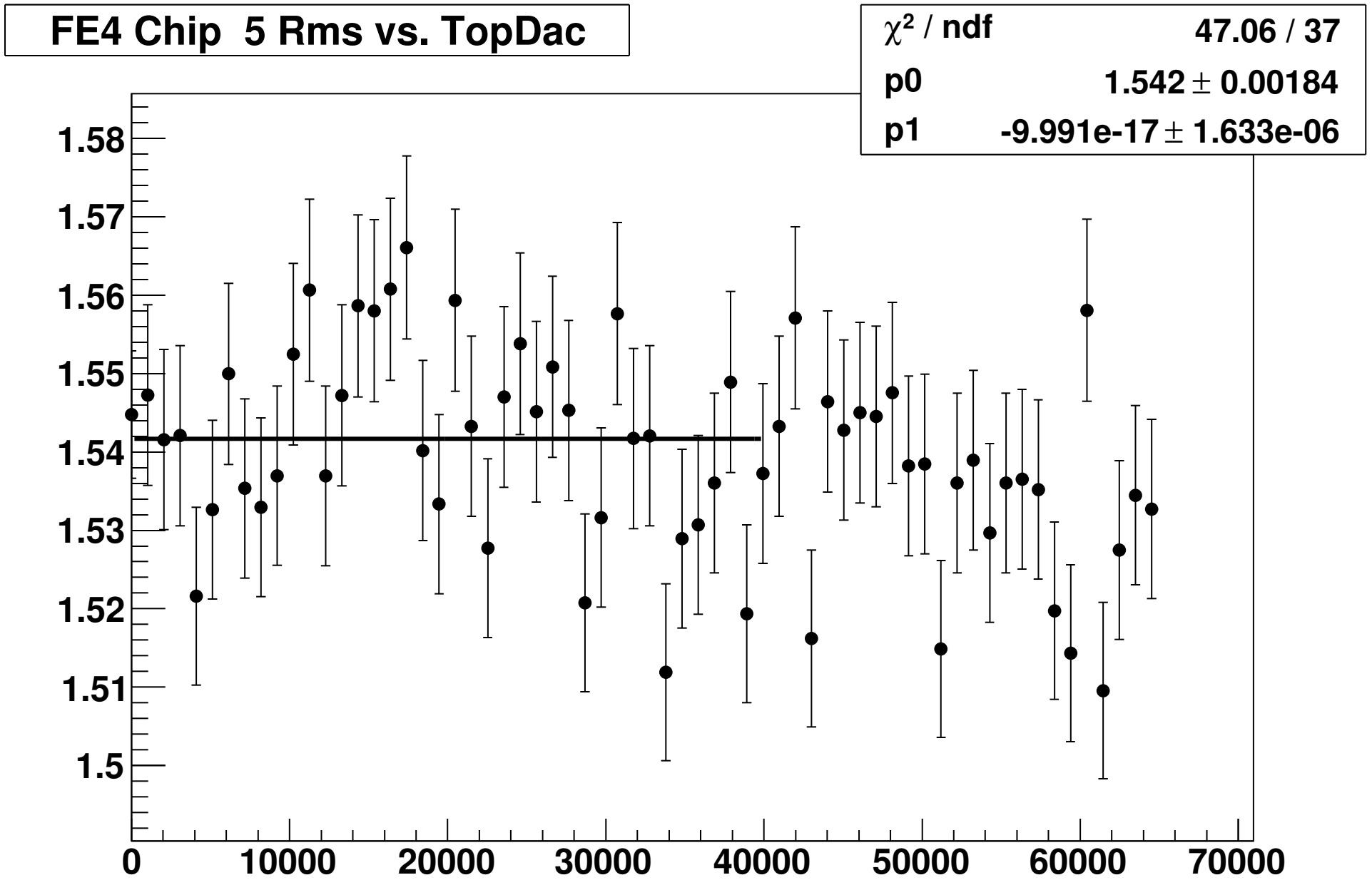

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 1782 / 37
p0 31.05 ± 0.005358
p1 -4.731e-07 ± 2.274e-07
31.3
31.2
31.1
31
30.9
30.8
30.7
30.6
0
10000
20000
30000
40000
50000
60000
70000

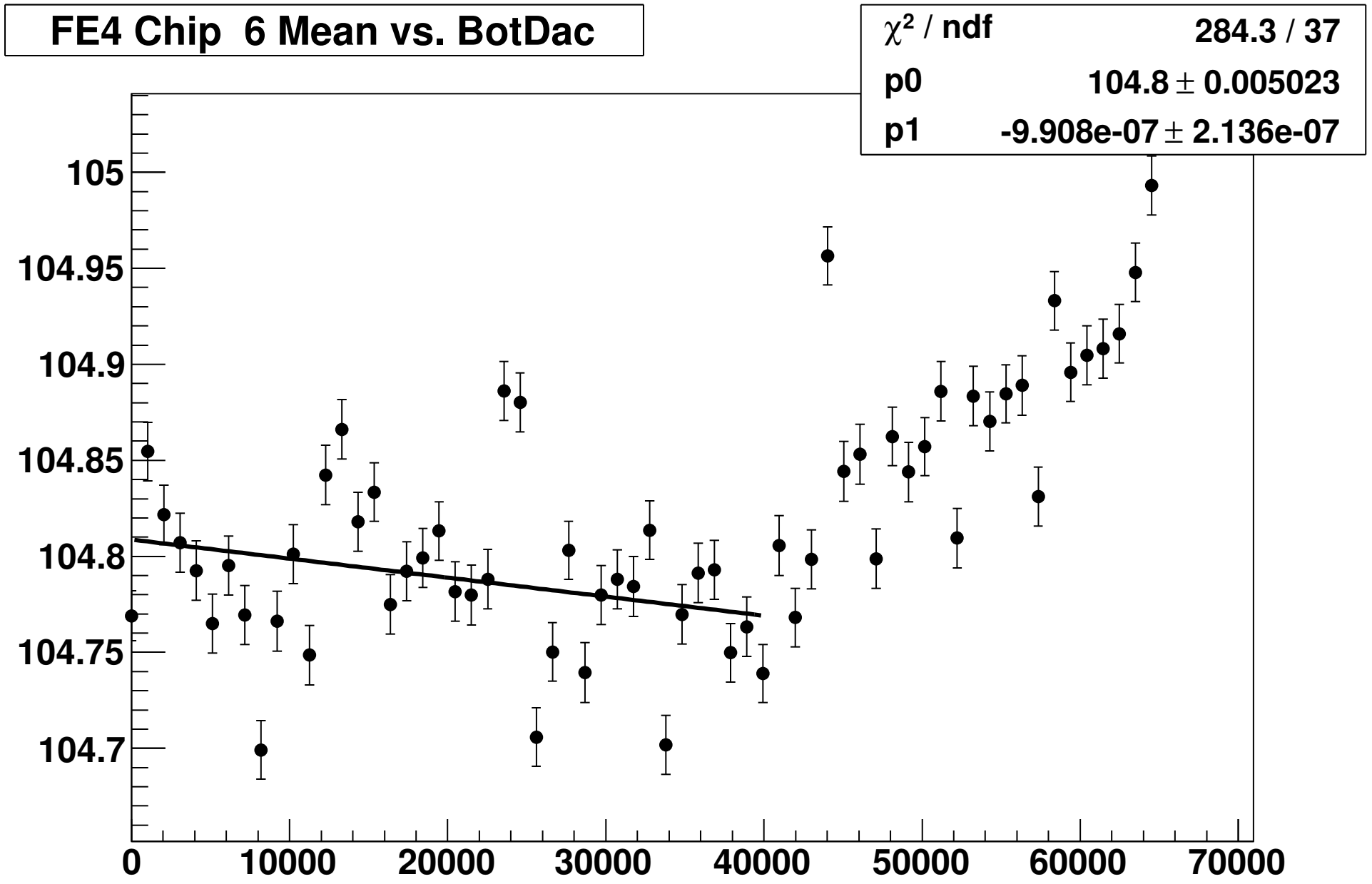

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 61.74 / 37
p0 1.556 ± 0.001857
p1 -8.845e-16 ± 1.613e-06
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000

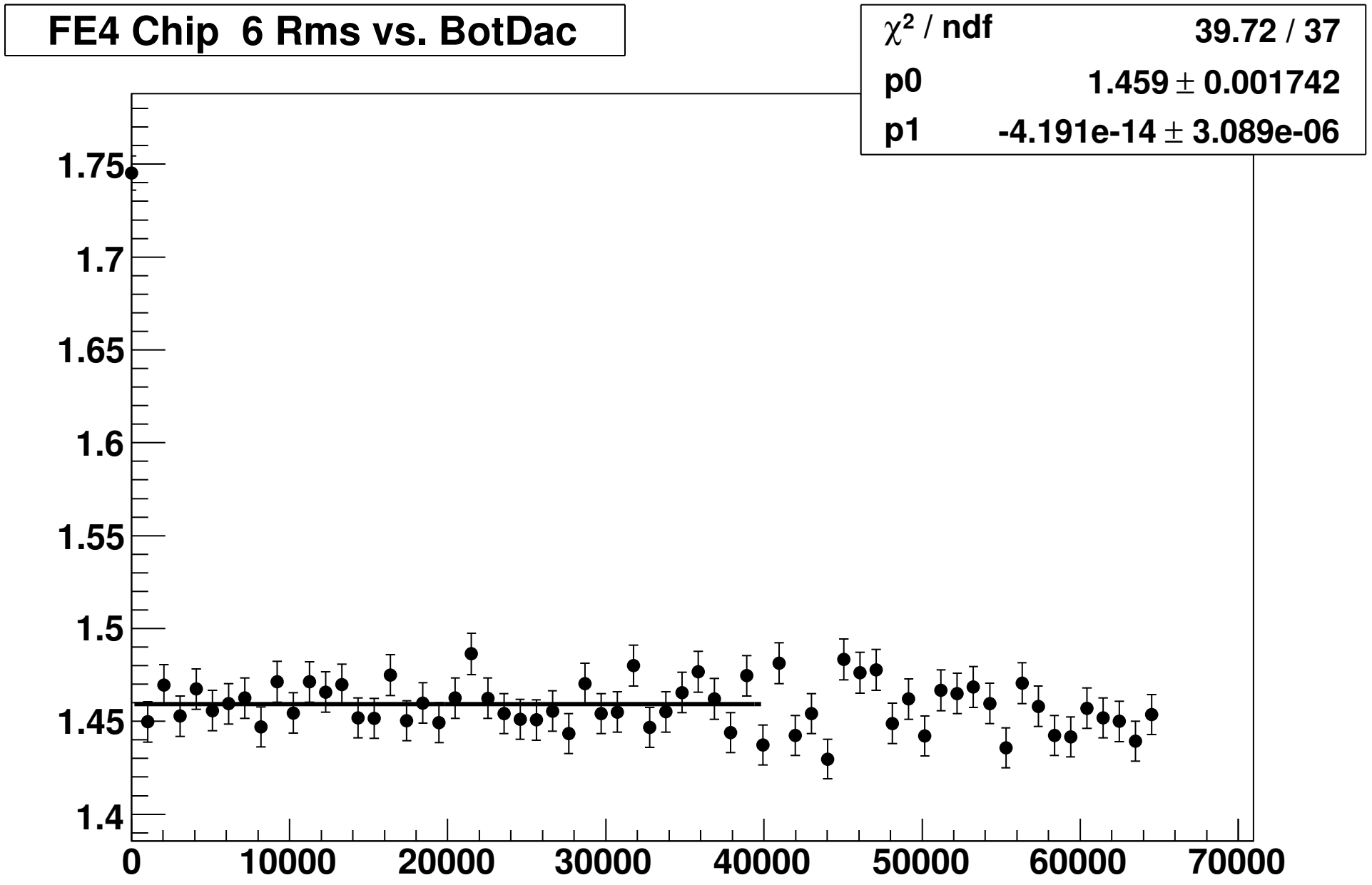

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 1.24e+05 / 37
p0 29.3 ± 0.005115
p1 0.4515 ± 2.426e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 663.4 / 37
p0 1.375 ± 0.002817
p1 3.653e-05 ± 1.987e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 1778 / 37
p0 29.07 ± 0.005304
p1 -3.133e-07 ± 2.252e-07
29.3
29.2
29.1
29
28.9
28.8
28.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 47.06 / 37
p0 1.542 ± 0.00184
p1 -9.991e-17 ± 1.633e-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


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 284.3 / 37
p0 104.8 ± 0.005023
p1 -9.908e-07 ± 2.136e-07
105
104.95
104.9
104.85
104.8
104.75
104.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 39.72 / 37
p0 1.459 ± 0.001742
p1 -4.191e-14 ± 3.089e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
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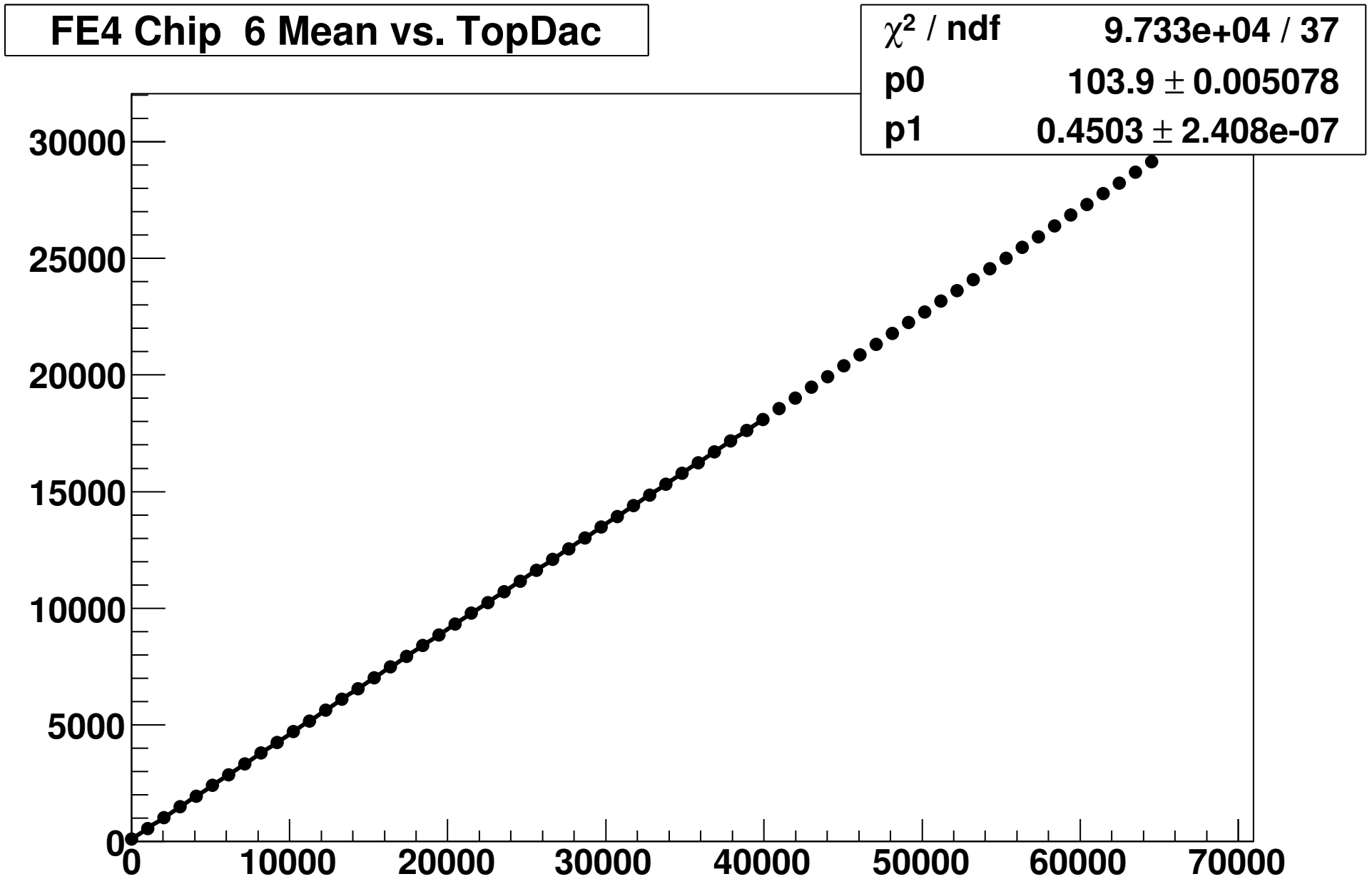
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 9.733e+04 / 37
p0 103.9 ± 0.005078
p1 0.4503 ± 2.408e-07
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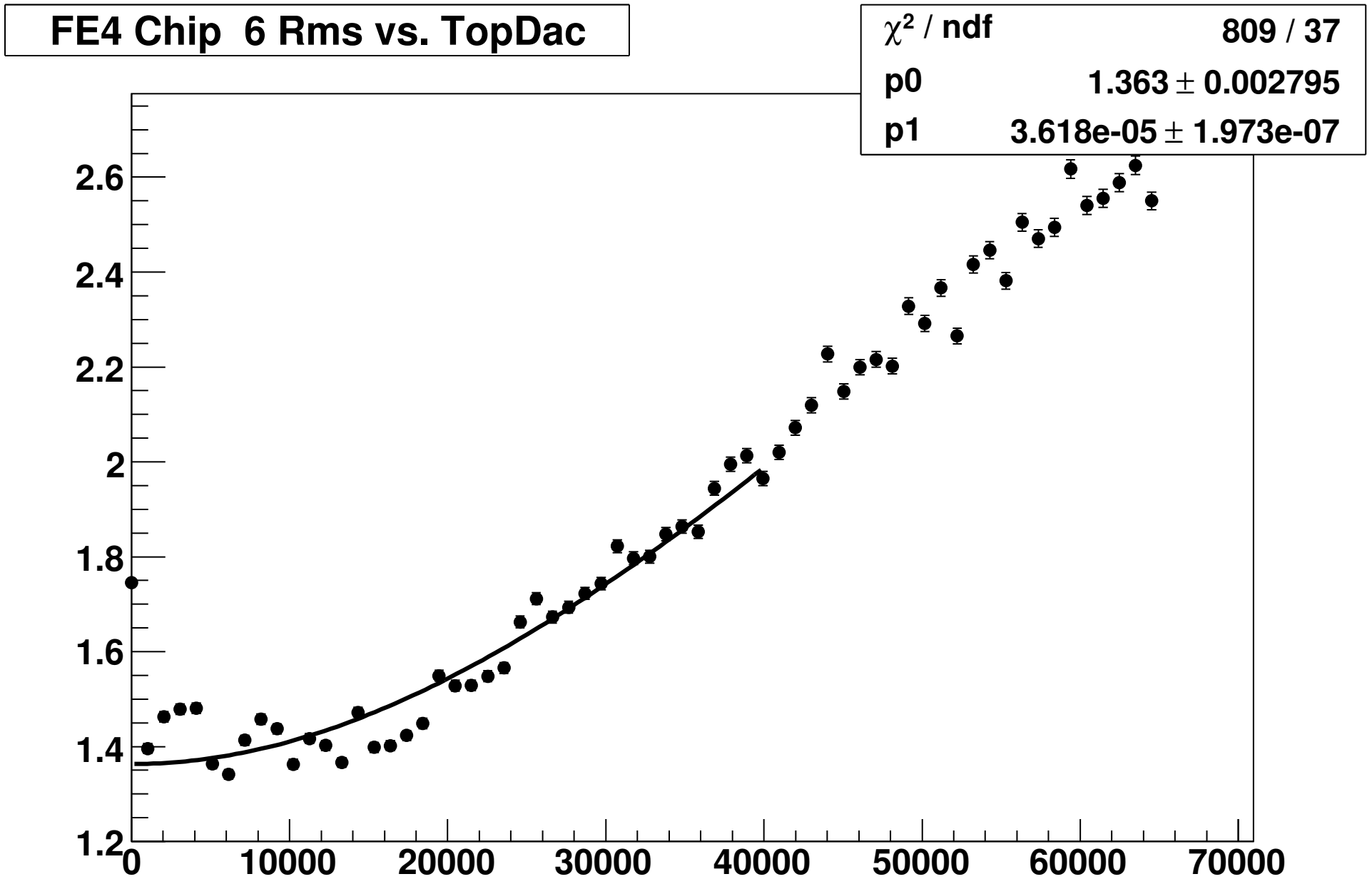
FE4 Chip 6 Rms vs. TopDac
χ² / ndf 809 / 37
p0 1.363 ± 0.002795
p1 3.618e-05 ± 1.973e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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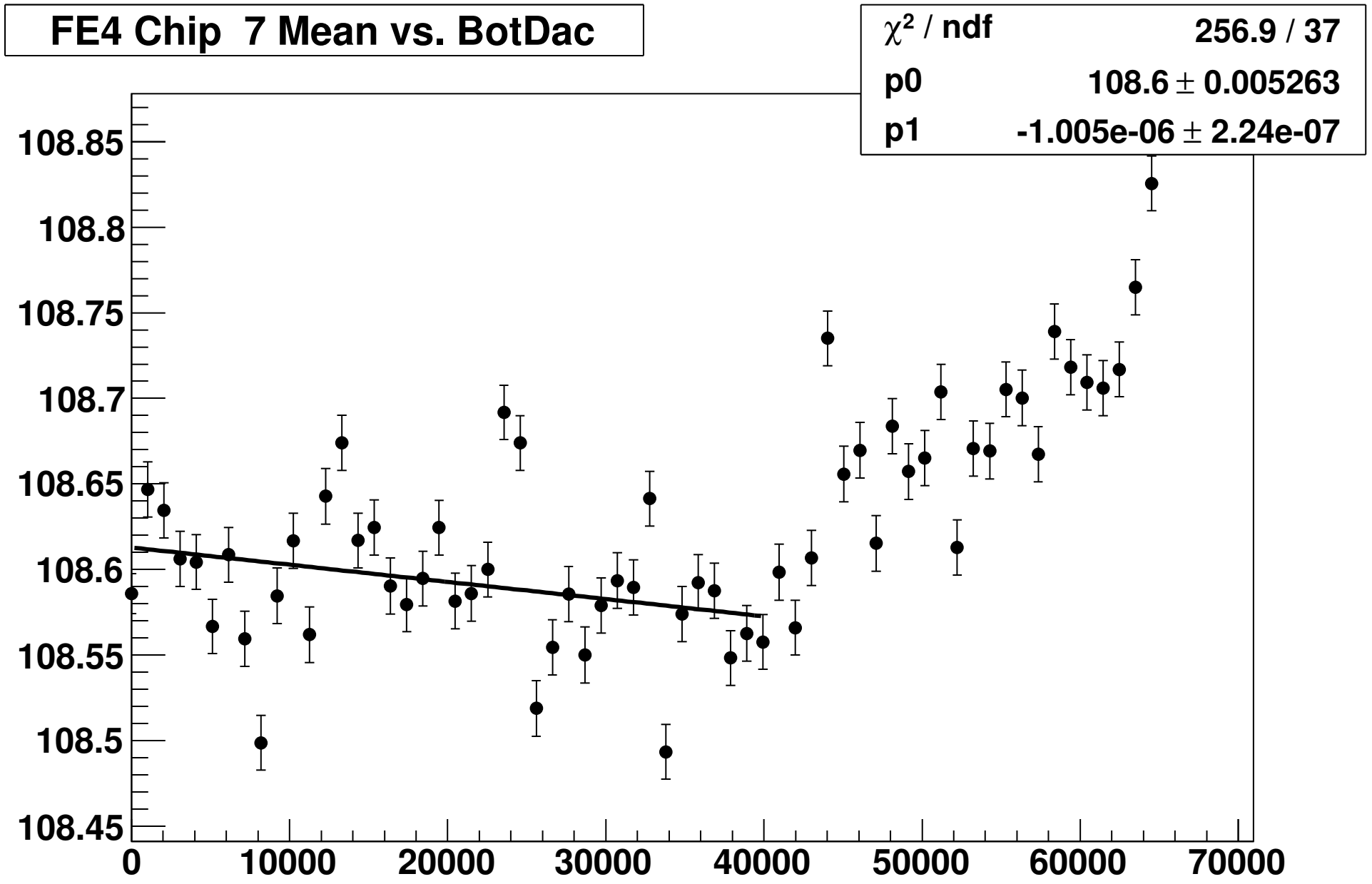
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 256.9 / 37
p0 108.6 ± 0.005263
p1 -1.005e-06 ± 2.24e-07
108.85
108.8
108.75
108.7
108.65
108.6
108.55
108.5
108.45
0
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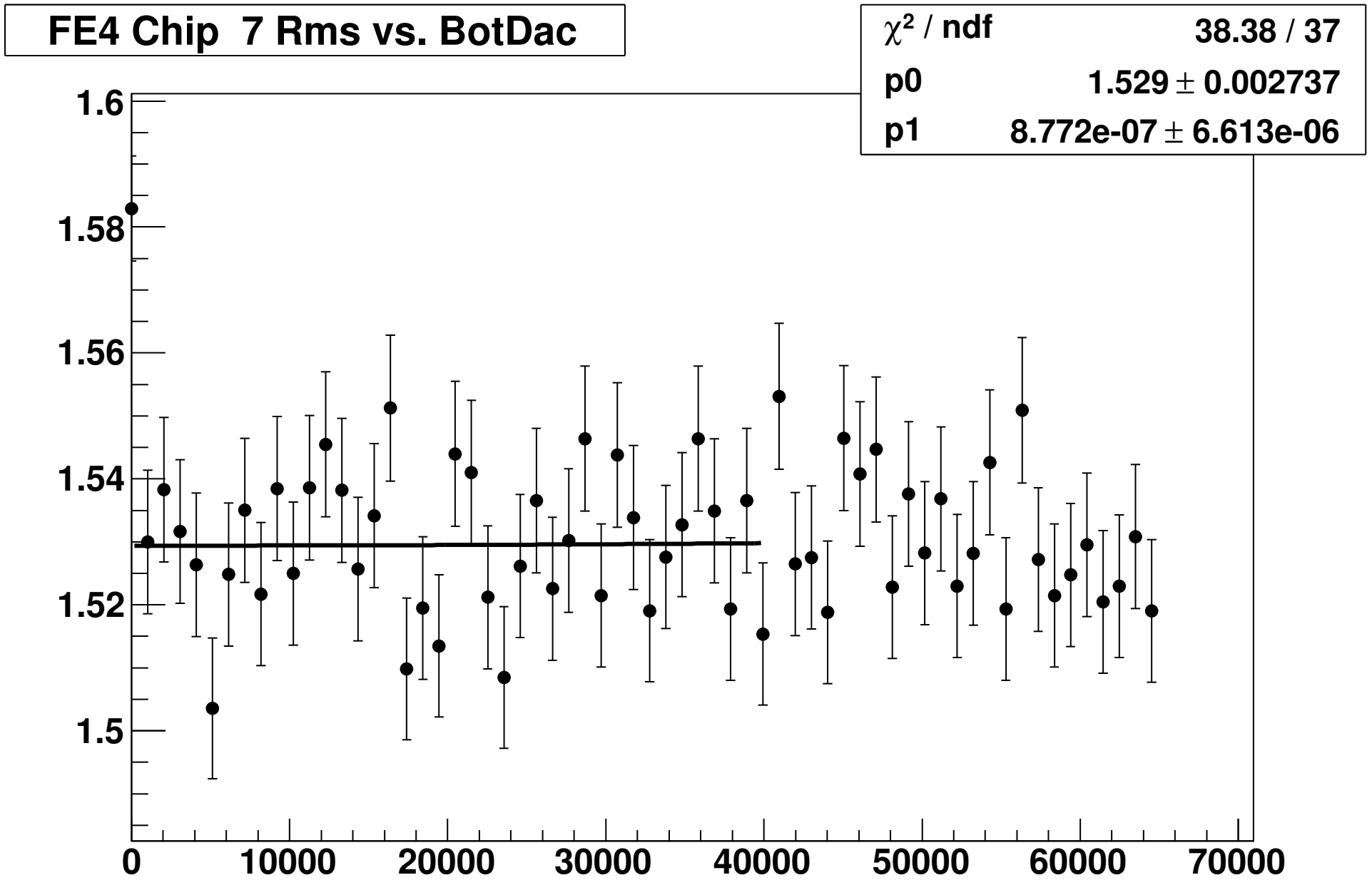
FE4 Chip 7 Rms vs. BotDac
χ² / ndf 38.38 / 37
p0 1.529 ± 0.002737
p1 8.772e-07 ± 6.613e-06
1.6
1.58
1.56
1.54
1.52
1.5
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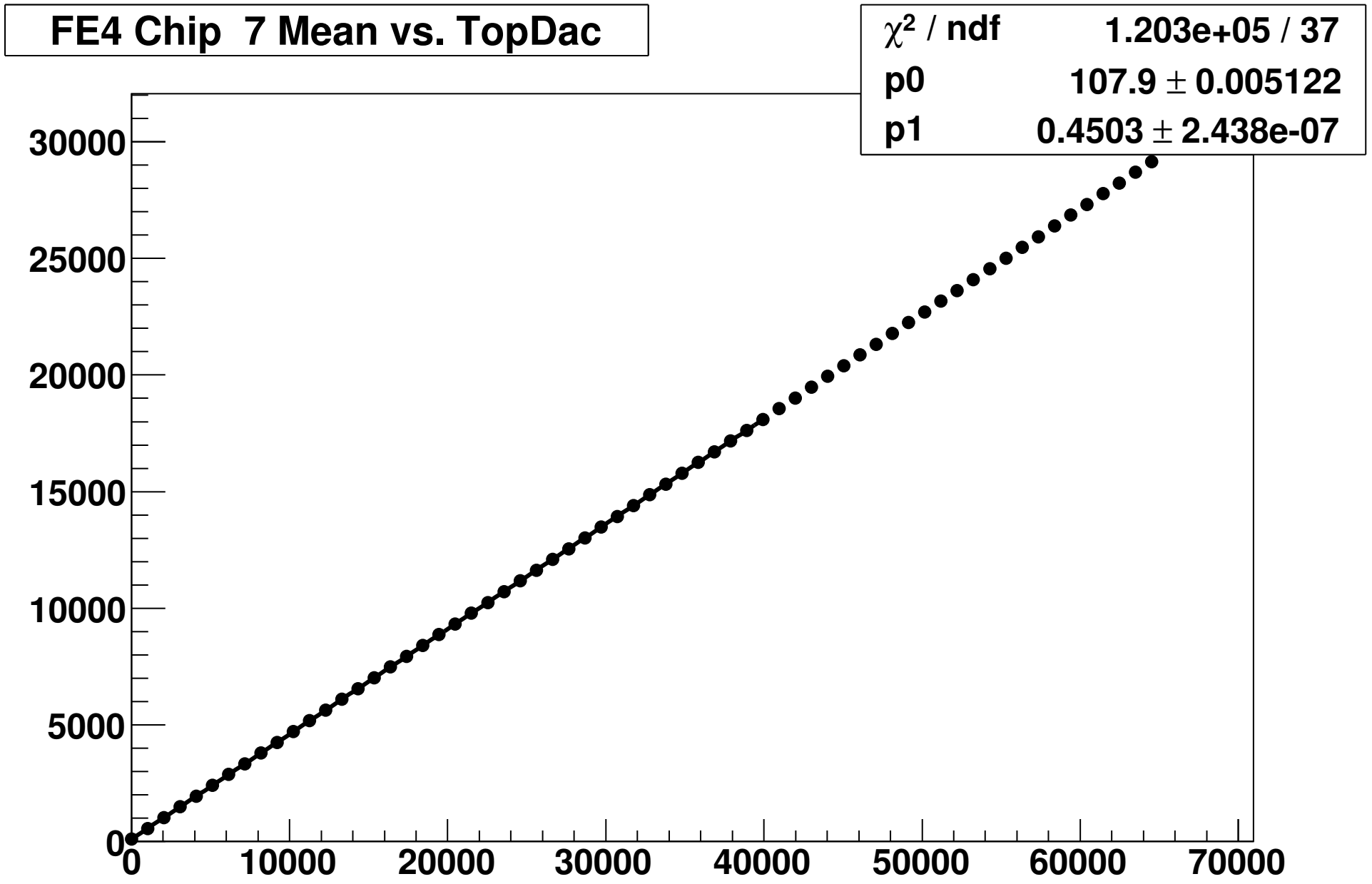
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.203e+05 / 37
p0 107.9 ± 0.005122
p1 0.4503 ± 2.438e-07
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5000
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10000
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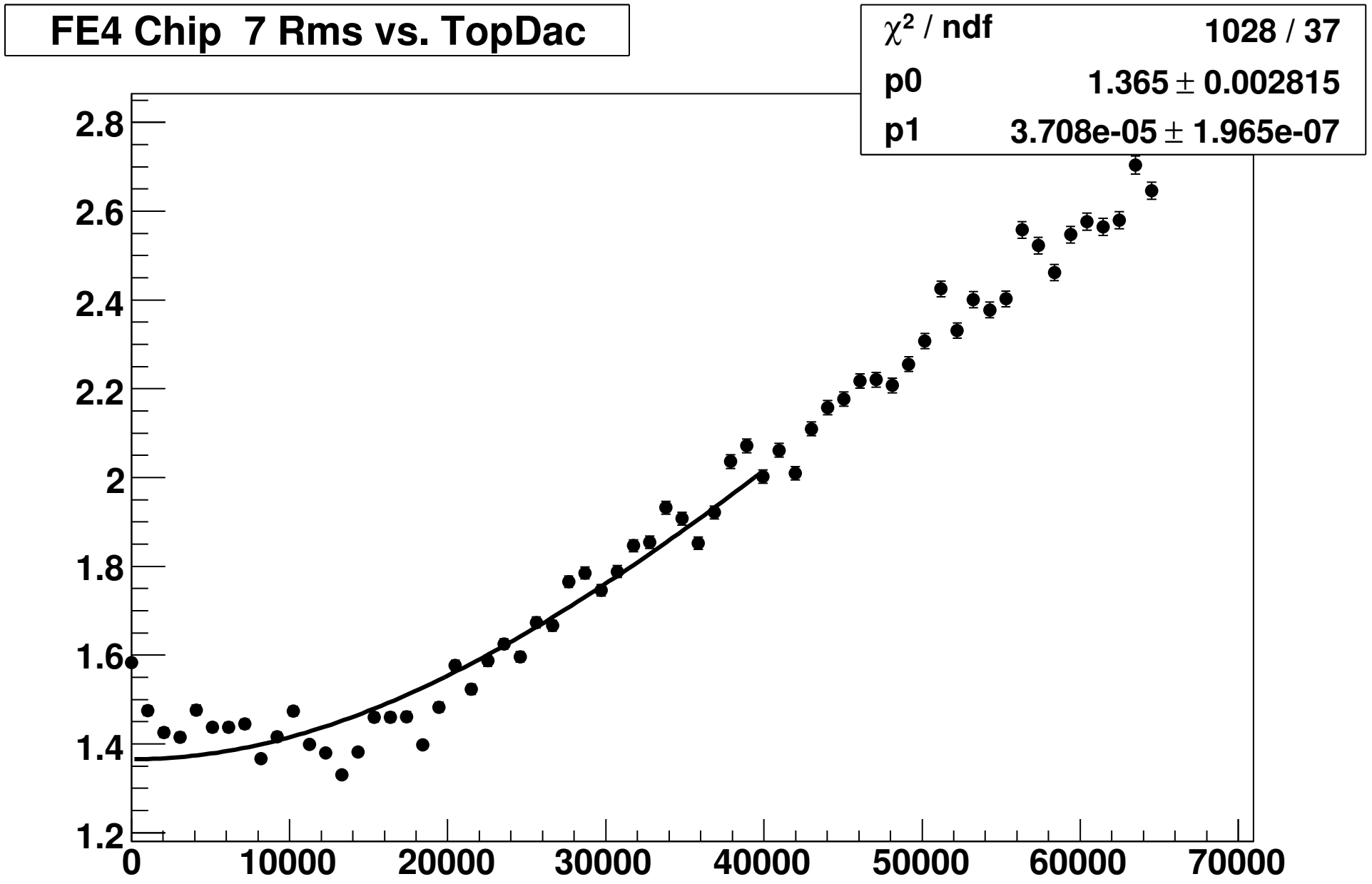
FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1028 / 37
p0 1.365 ± 0.002815
p1 3.708e-05 ± 1.965e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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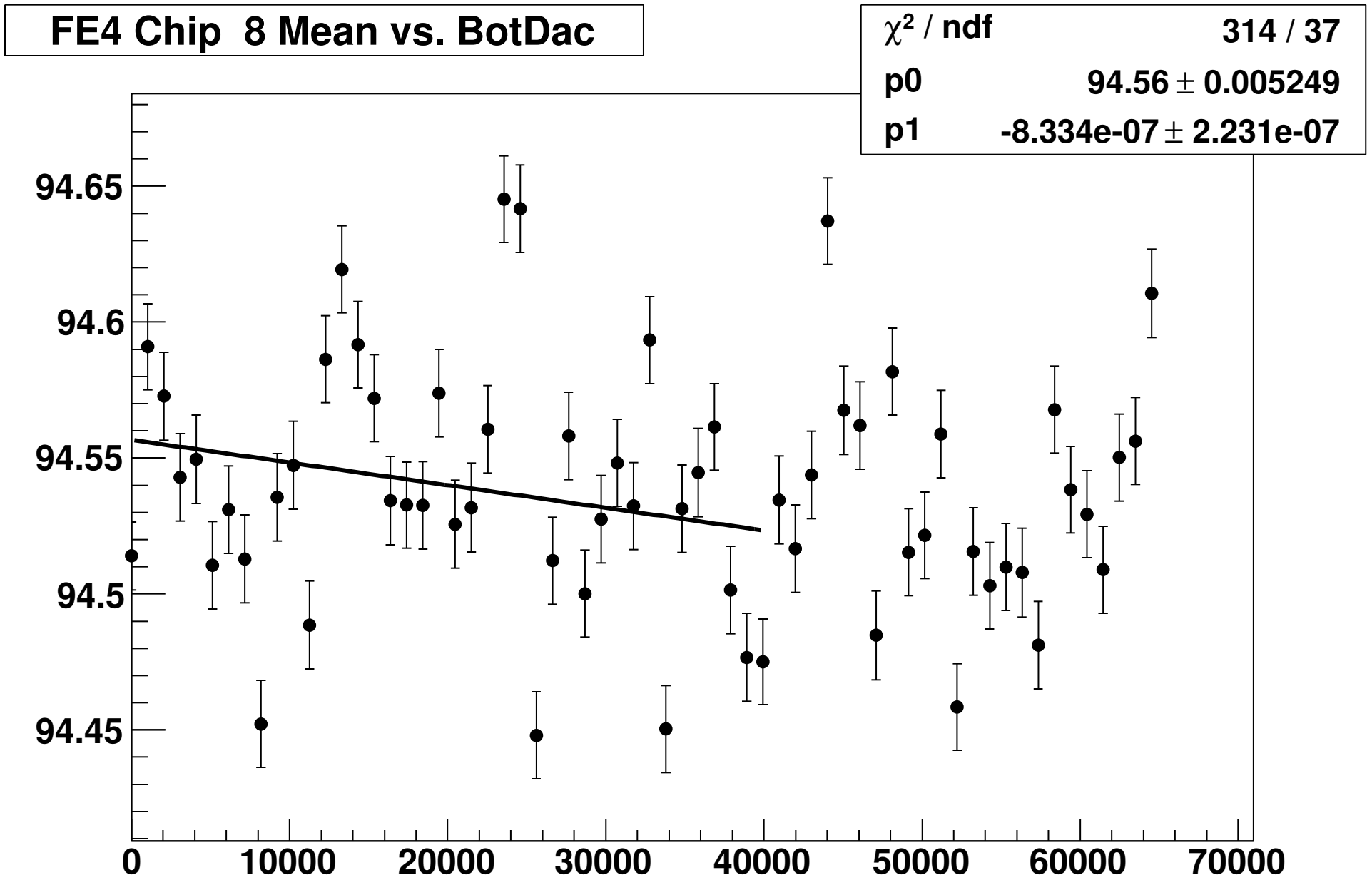
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 314 / 37
p0 94.56 ± 0.005249
p1 -8.334e-07 ± 2.231e-07
94.65
94.6
94.55
94.5
94.45
0
10000
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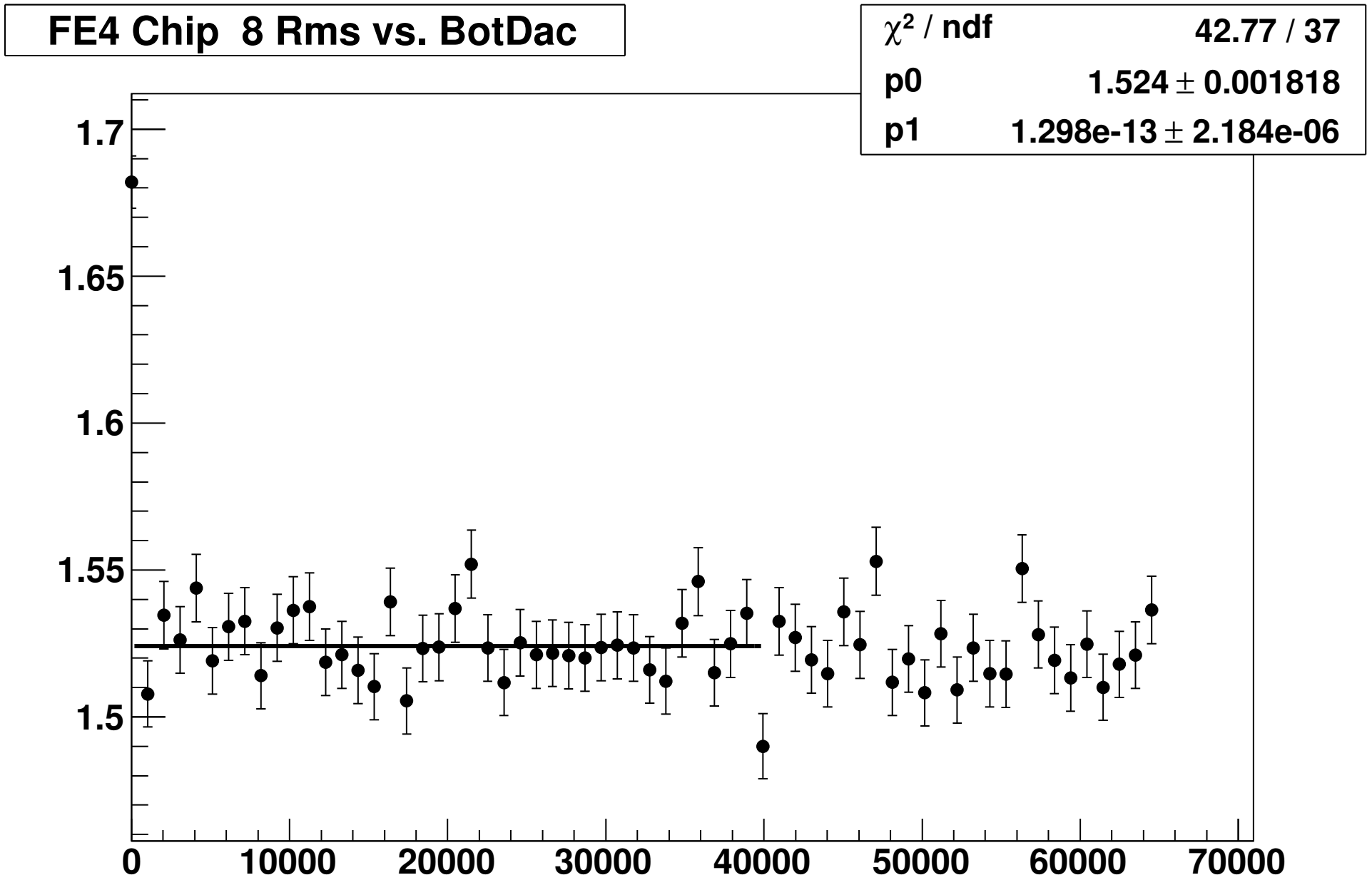
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 42.77 / 37
p0 1.524 ± 0.001818
p1 1.298e-13 ± 2.184e-06
1.7
1.65
1.6
1.55
1.5
0
10000
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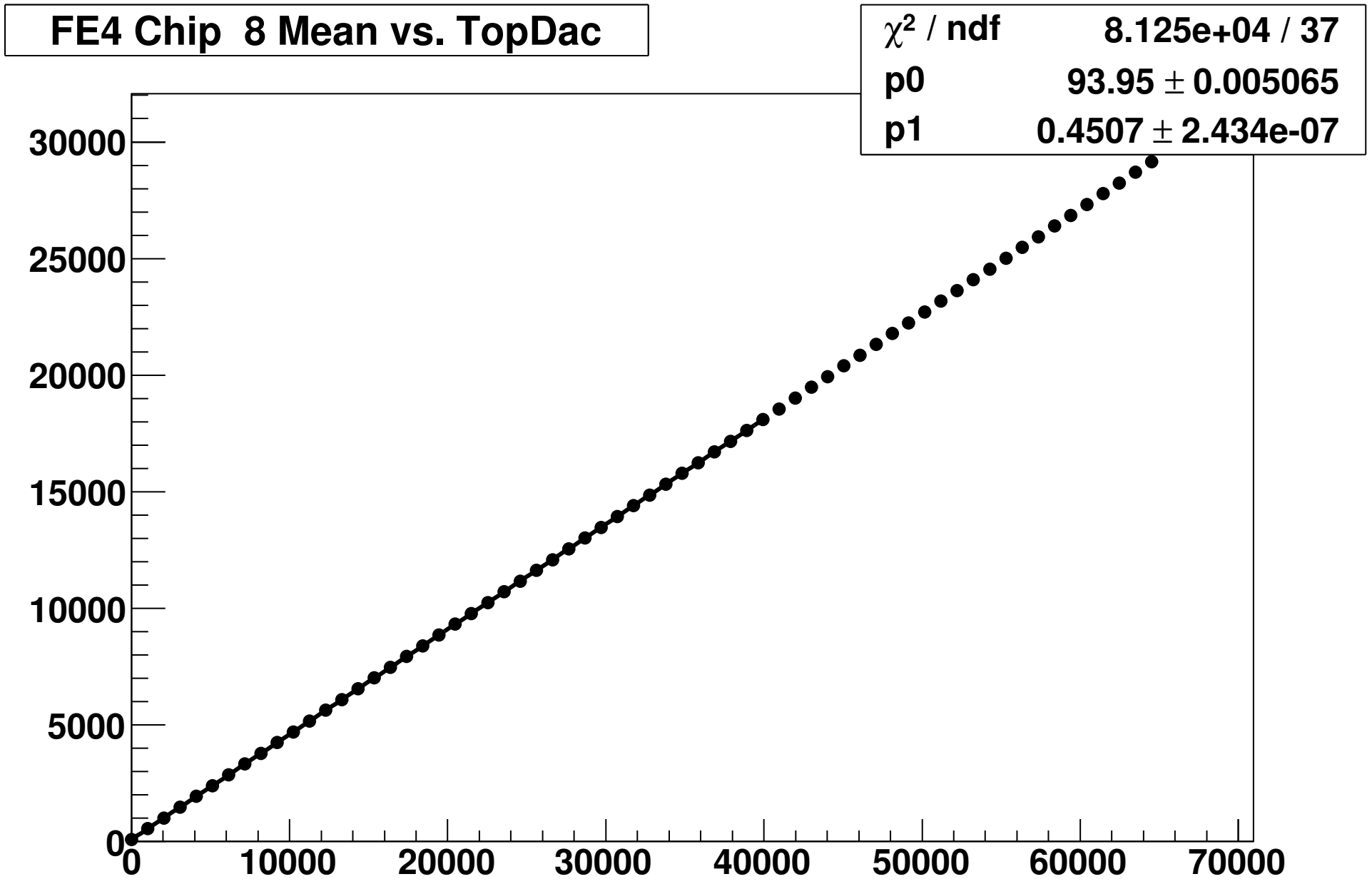
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 8.125e+04 / 37
p0 93.95 ± 0.005065
p1 0.4507 ± 2.434e-07
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15000
10000
5000
0
0
10000
20000
30000
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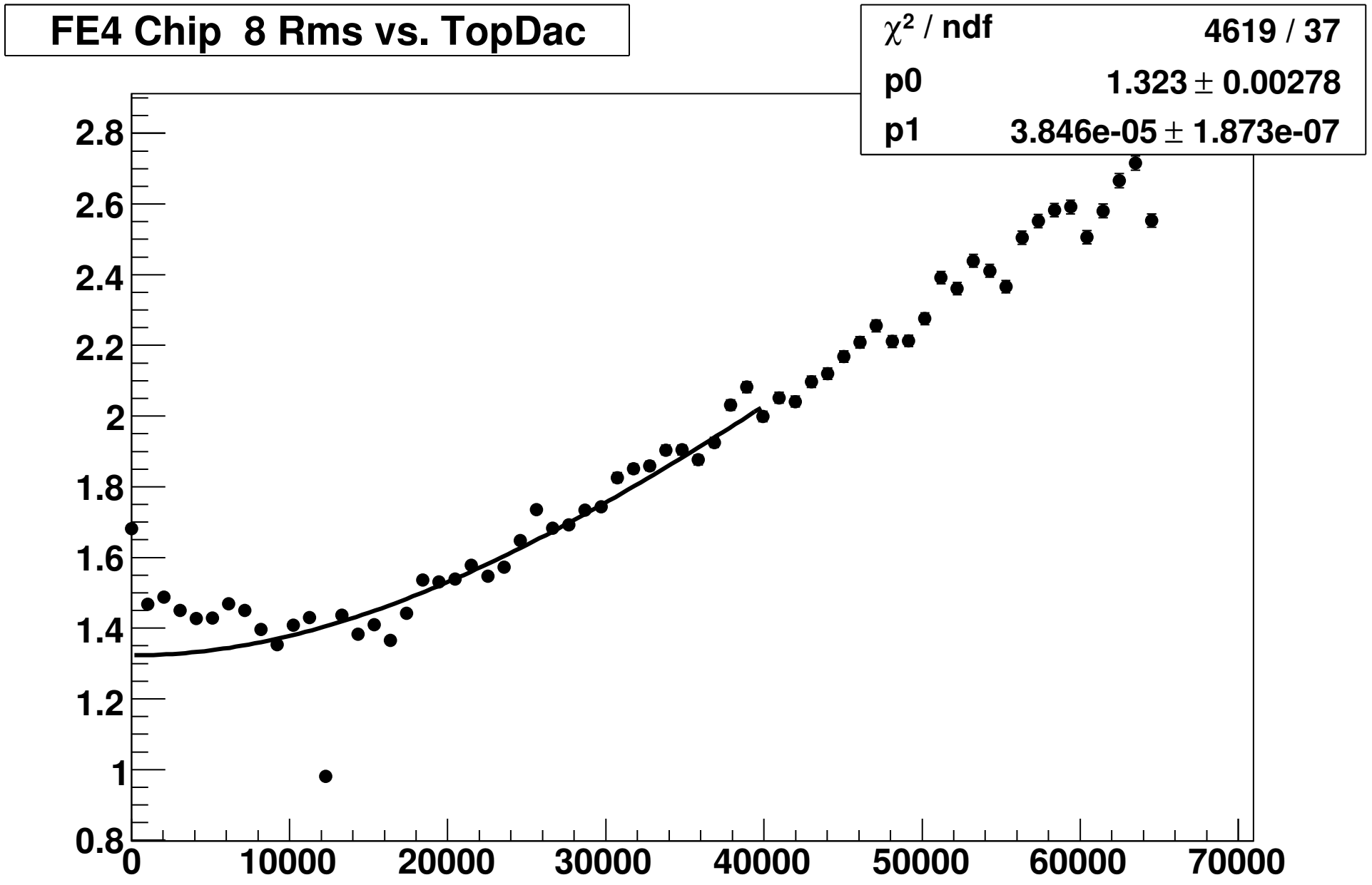
FE4 Chip 8 Rms vs. TopDac
χ² / ndf 4619 / 37
p0 1.323 ± 0.00278
p1 3.846e-05 ± 1.873e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
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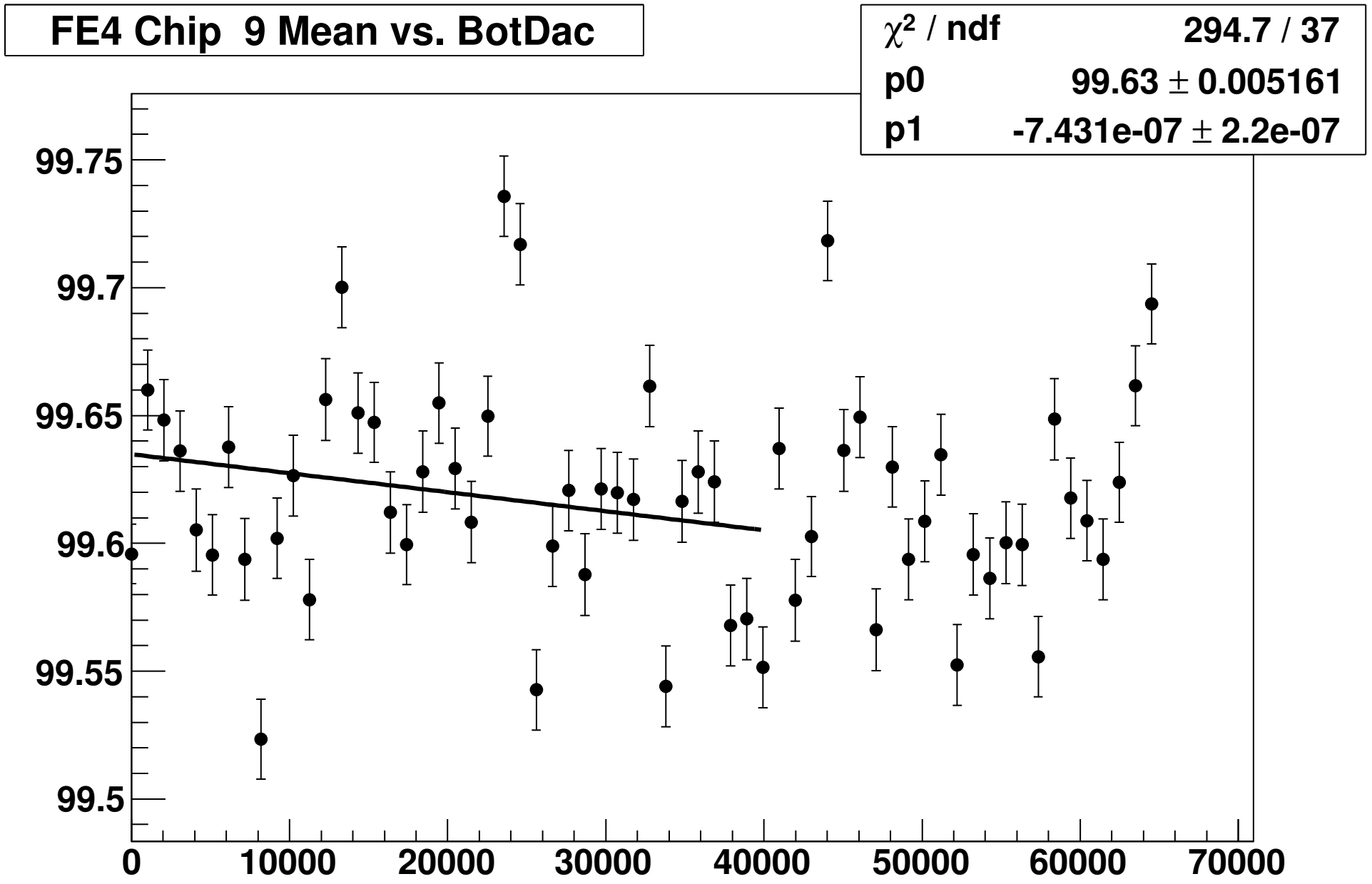
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 294.7 / 37
p0 99.63 ± 0.005161
p1 -7.431e-07 ± 2.2e-07
99.75
99.7
99.65
99.6
99.55
99.5
0
10000
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50000
60000
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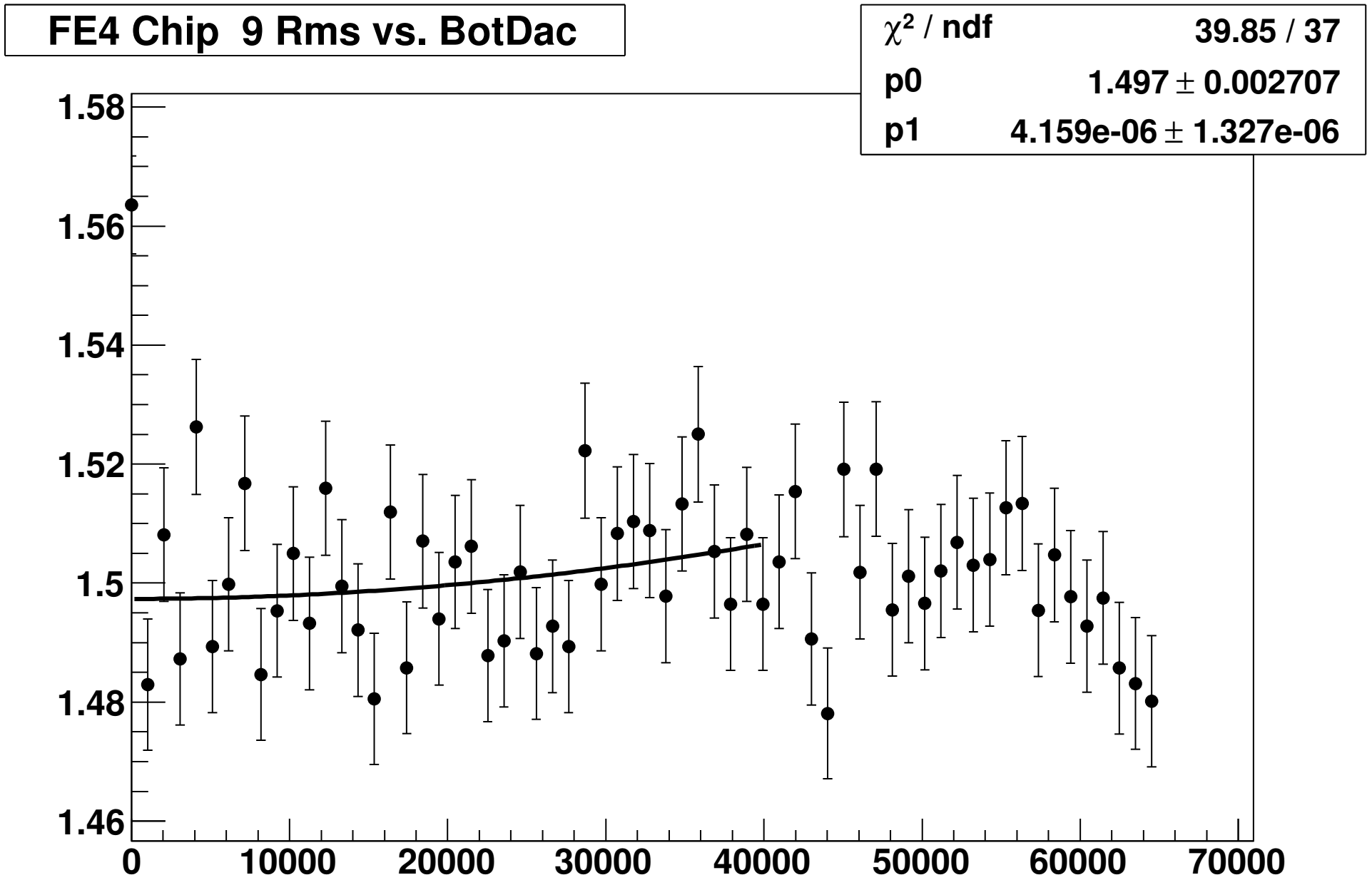
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 39.85 / 37
p0 1.497 ± 0.002707
p1 4.159e-06 ± 1.327e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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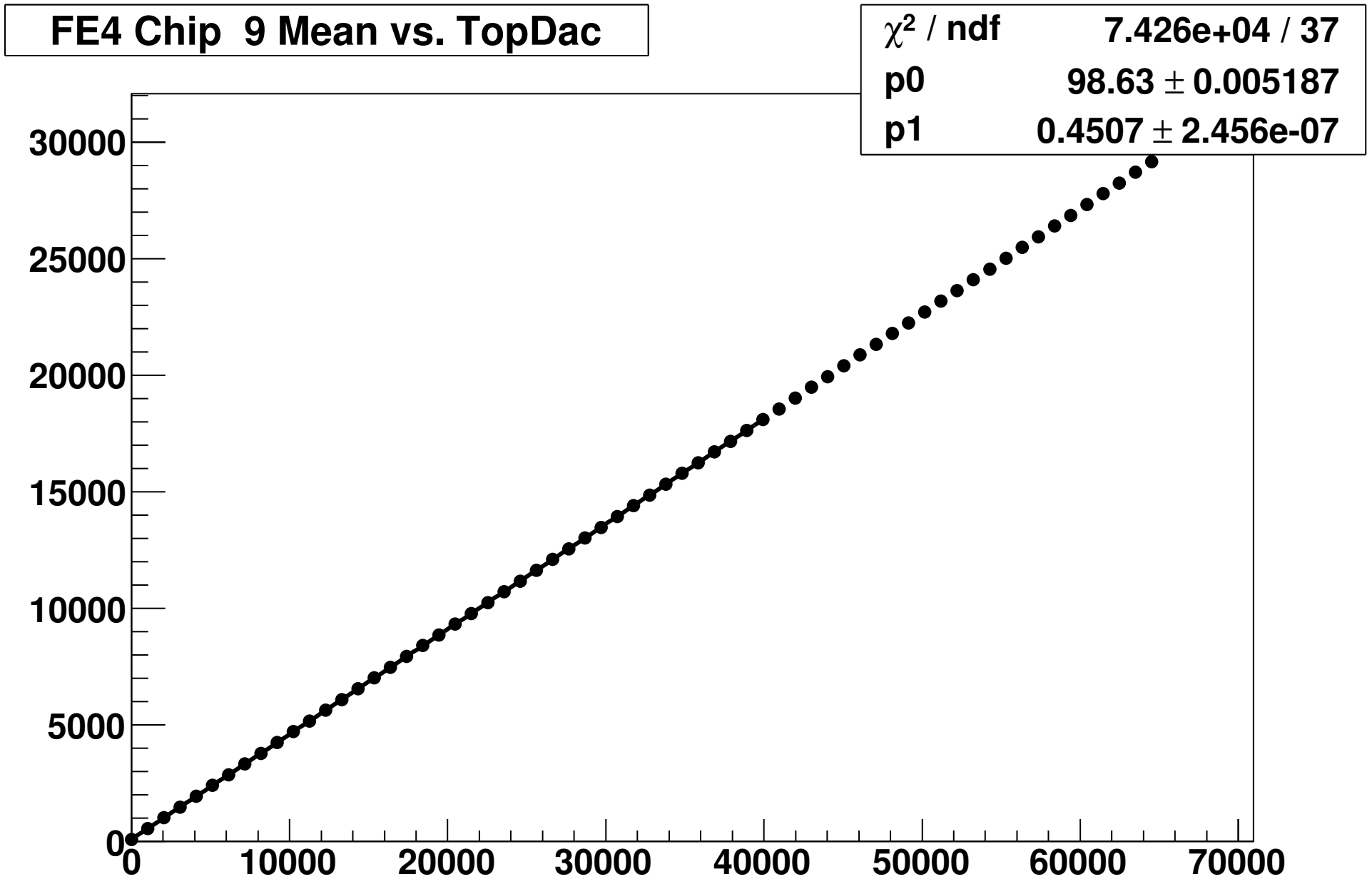
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 7.426e+04 / 37
p0 98.63 ± 0.005187
p1 0.4507 ± 2.456e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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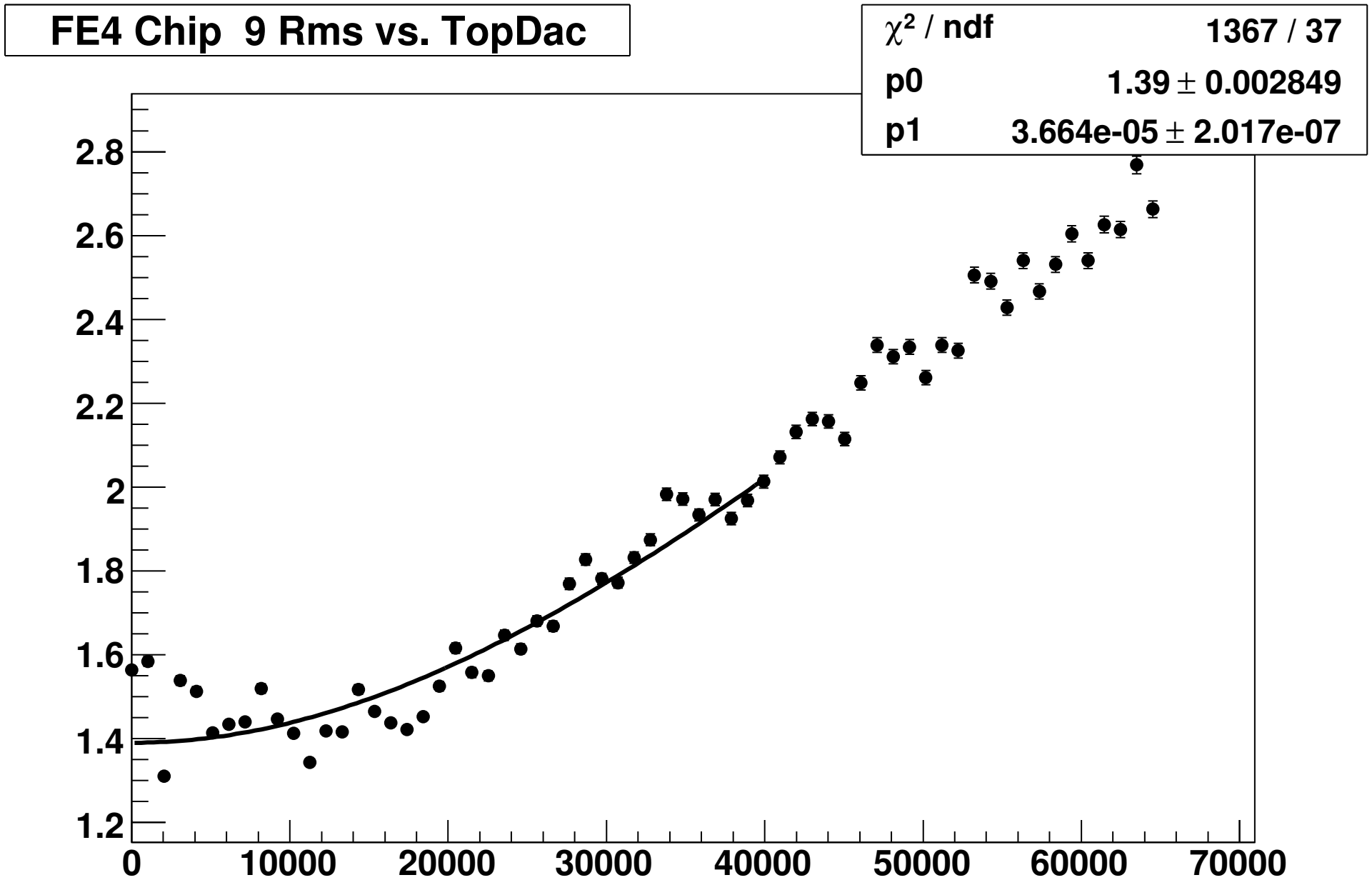
FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1367 / 37
p0 1.39 ± 0.002849
p1 3.664e-05 ± 2.017e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
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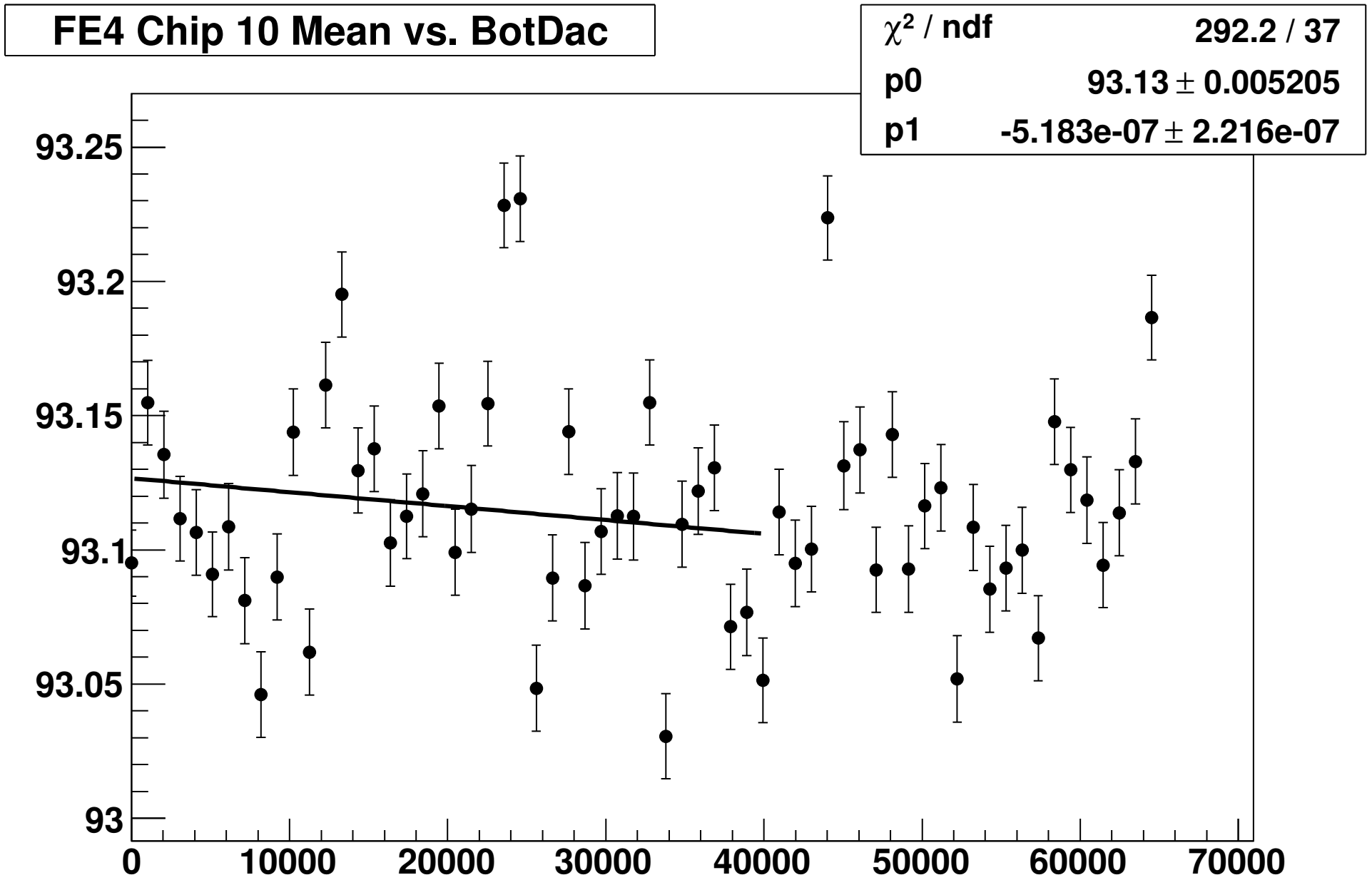
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 292.2 / 37
p0 93.13 ± 0.005205
p1 -5.183e-07 ± 2.216e-07
93.25
93.2
93.15
93.1
93.05
93
0
10000
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30000
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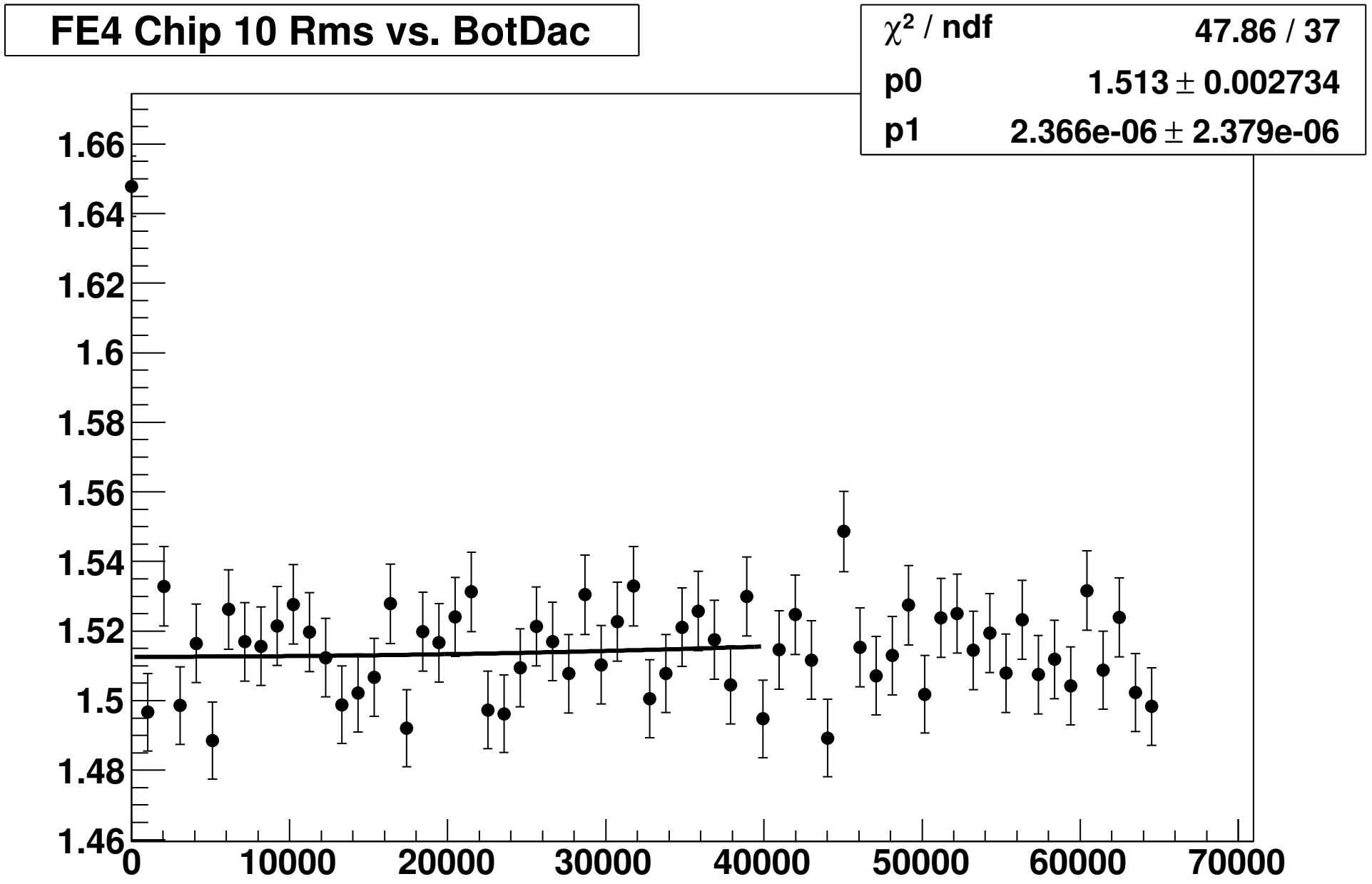
50000
60000
70000


FE4 Chip 10 Rms vs. BotDac
χ² / ndf 47.86 / 37
p0 1.513 ± 0.002734
p1 2.366e-06 ± 2.379e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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60000
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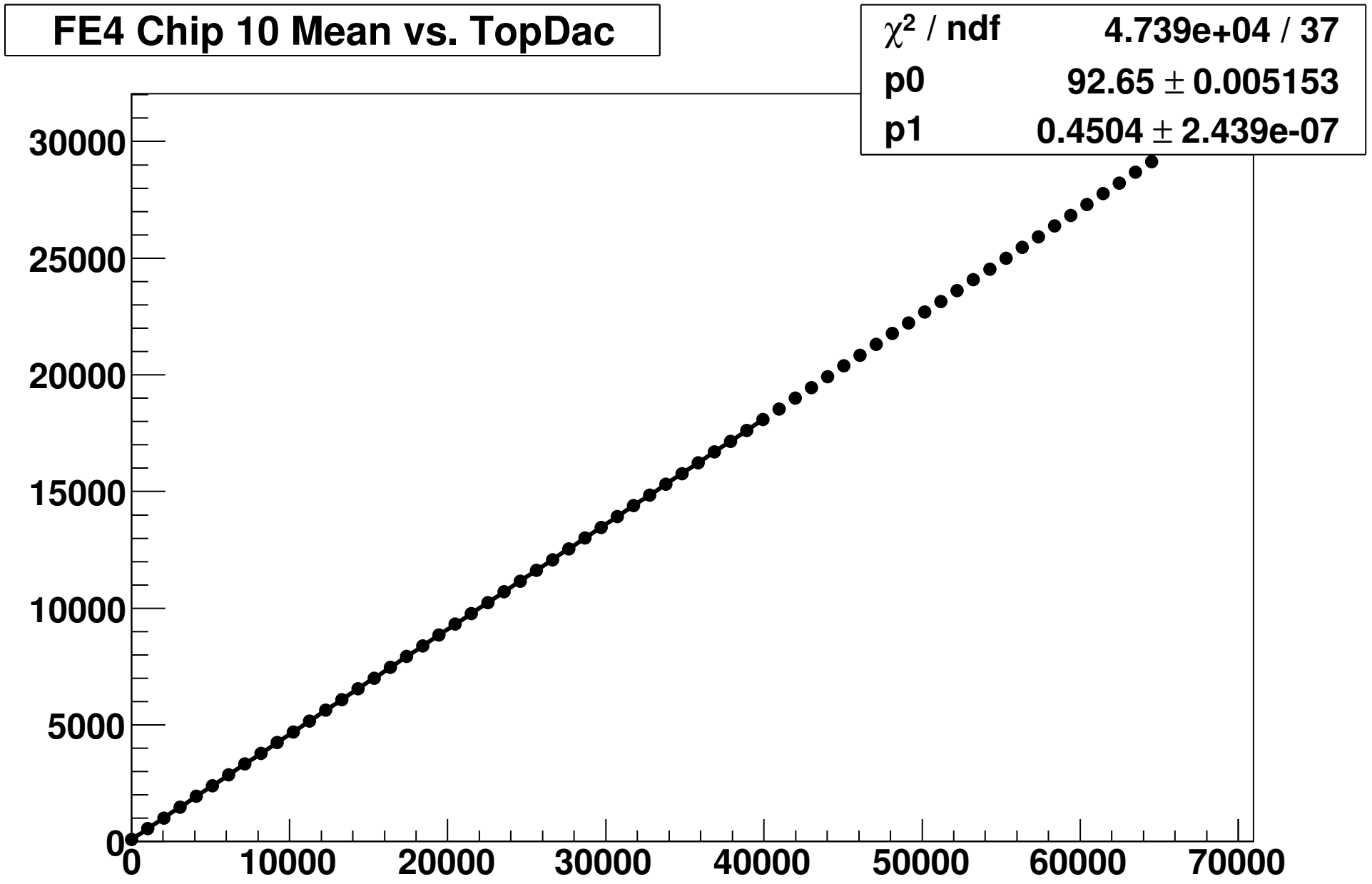
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 4.739e+04 / 37
p0 92.65 ± 0.005153
p1 0.4504 ± 2.439e-07
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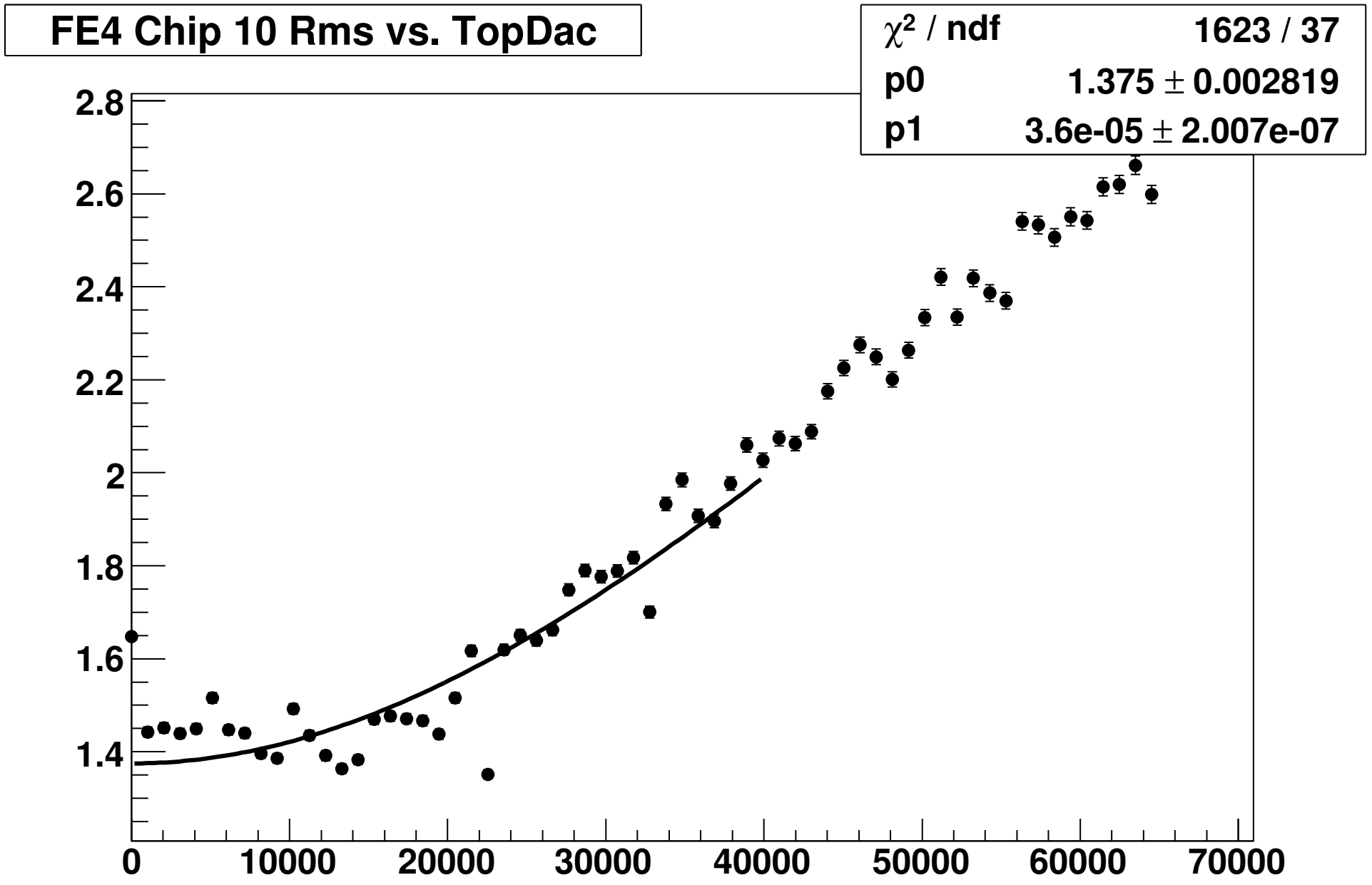
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 1623 / 37
p0 1.375 ± 0.002819
p1 3.6e-05 ± 2.007e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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50000
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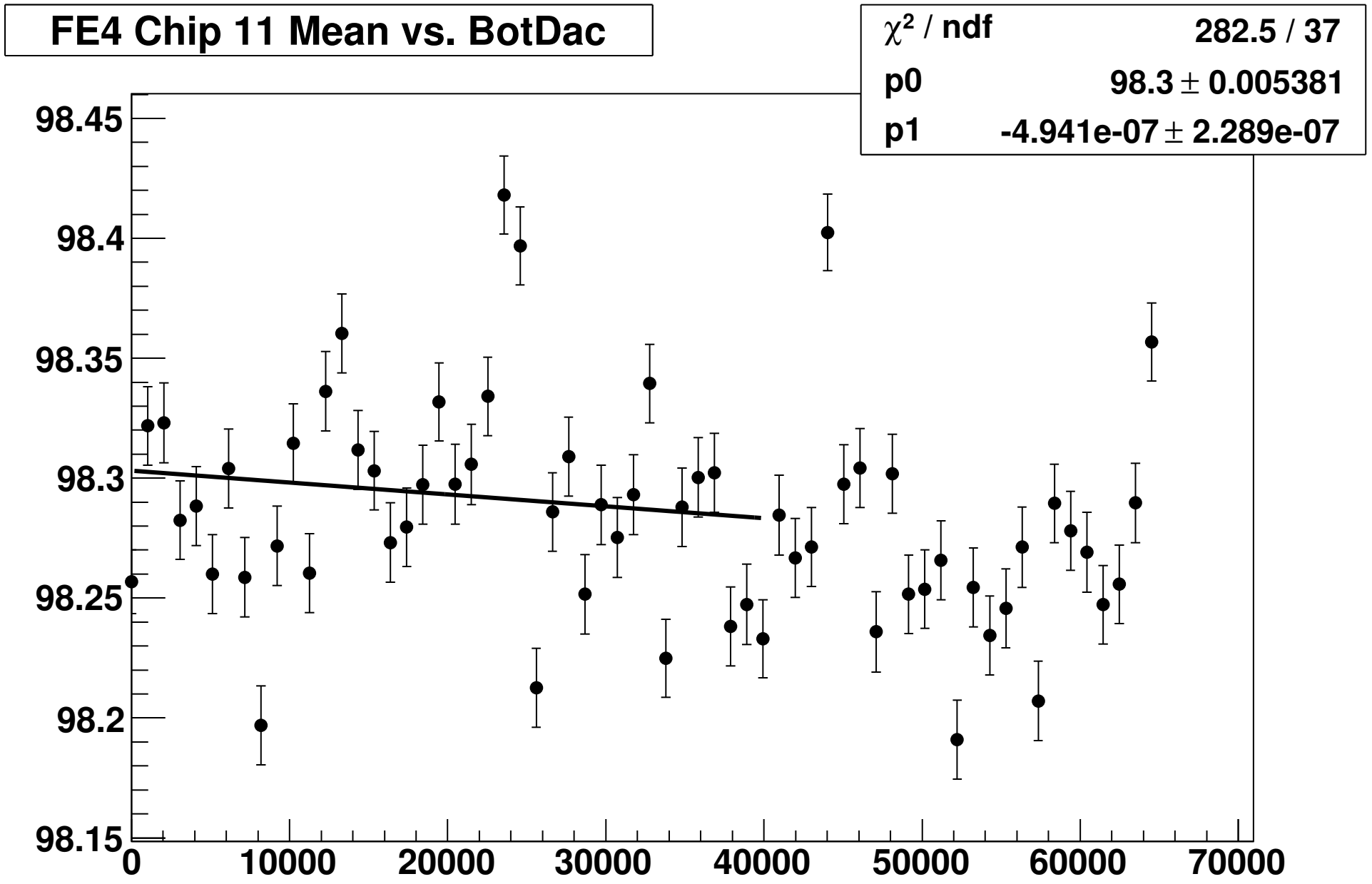
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 282.5 / 37
p0 98.3 ± 0.005381
p1 -4.941e-07 ± 2.289e-07
98.45
98.4
98.35
98.3
98.25
98.2
98.15
0
10000
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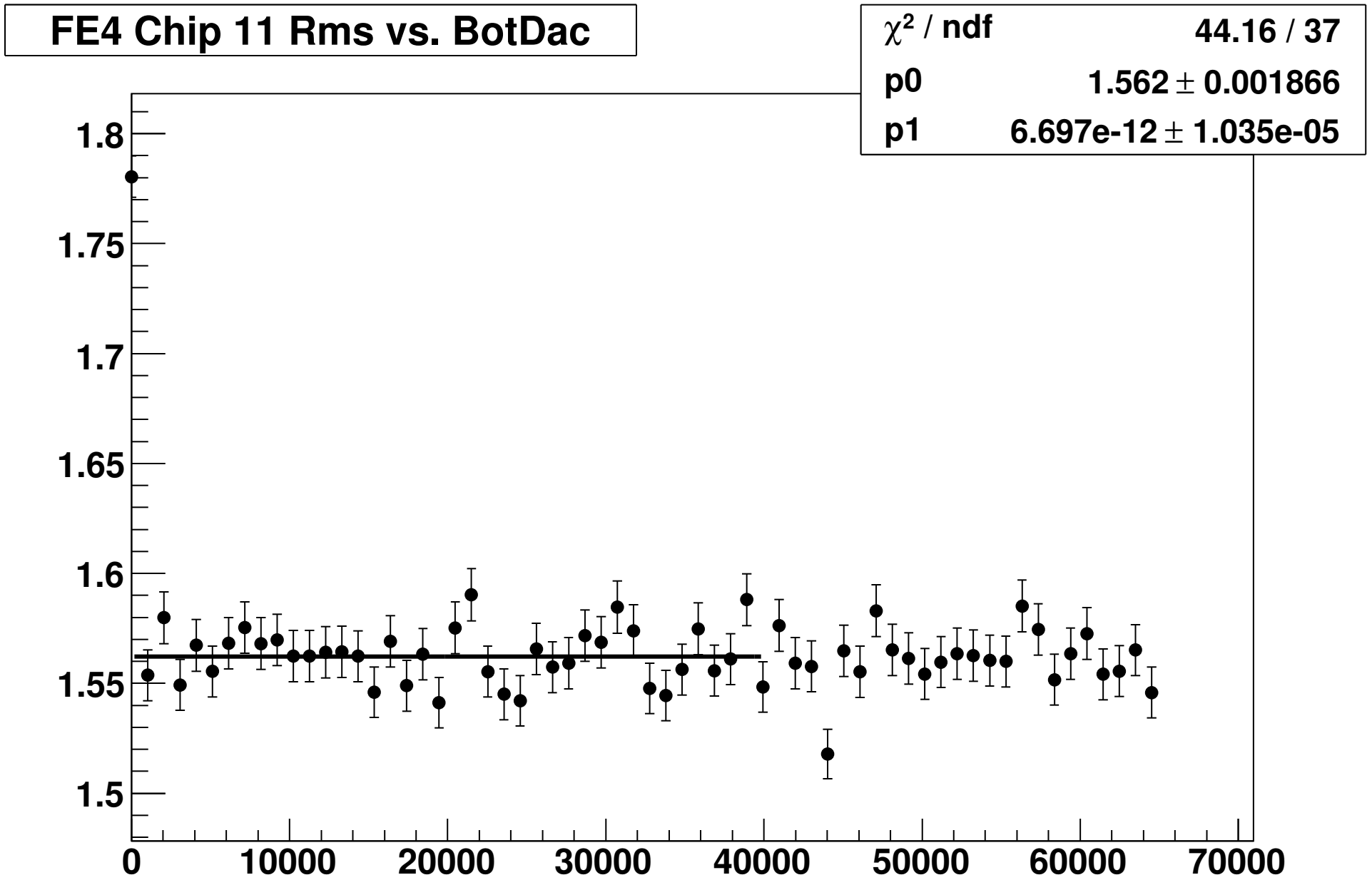
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 44.16 / 37
p0 1.562 ± 0.001866
p1 6.697e-12 ± 1.035e-05
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
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50000
60000
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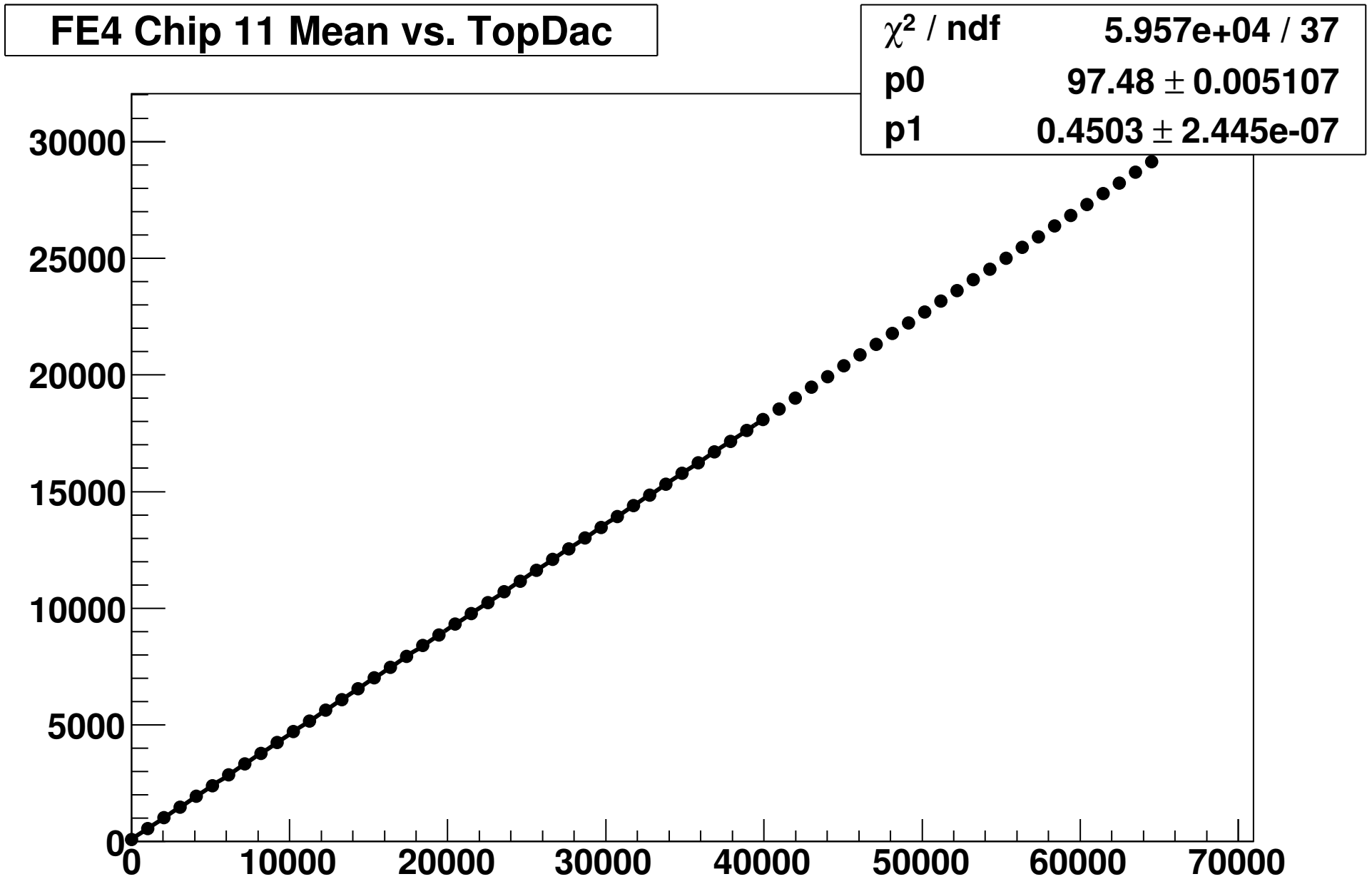
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 5.957e+04 / 37
p0 97.48 ± 0.005107
p1 0.4503 ± 2.445e-07
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5000
0
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20000
30000
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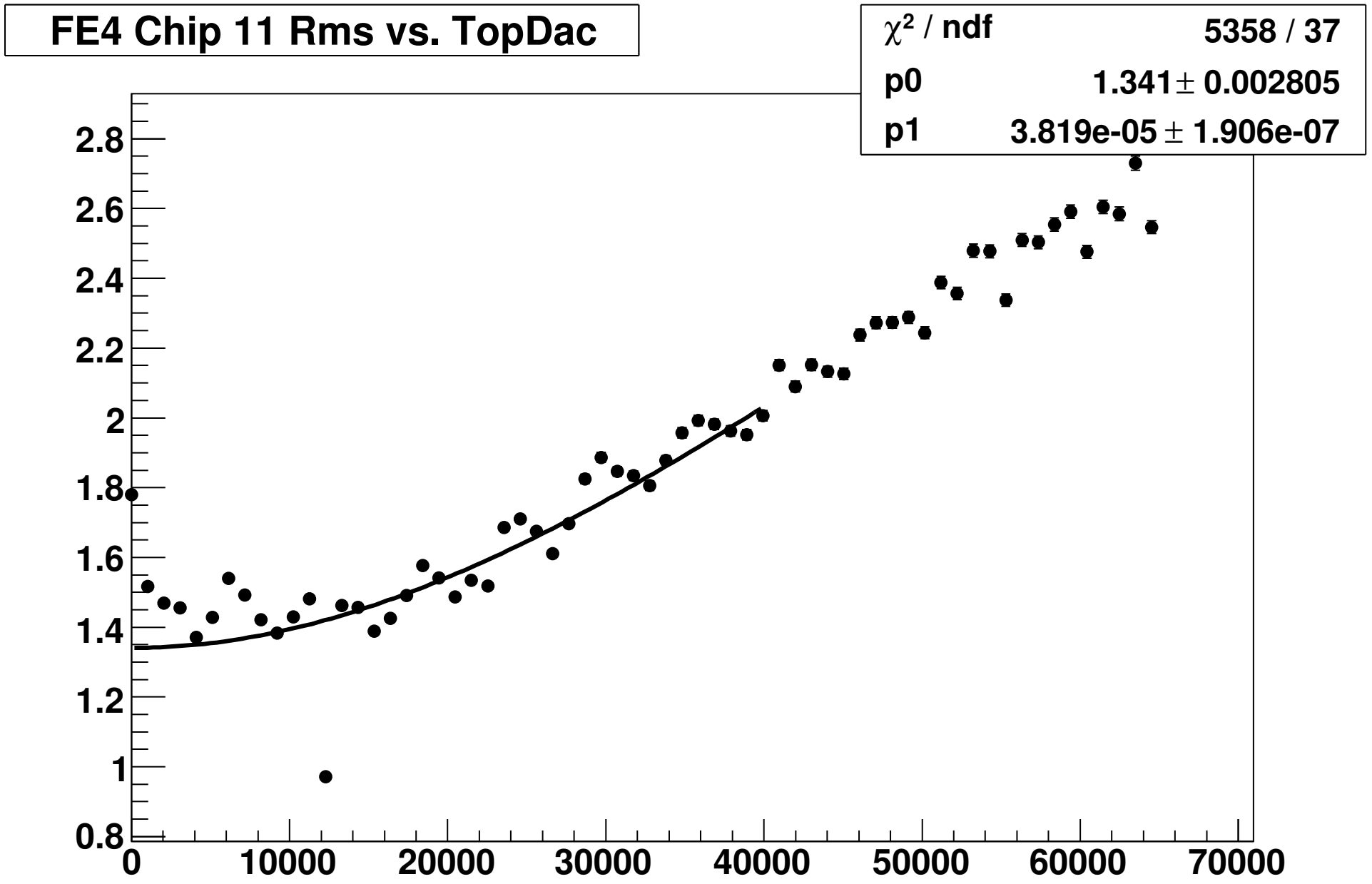
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 5358 / 37
p0 1.341 ± 0.002805
p1 3.819e-05 ± 1.906e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
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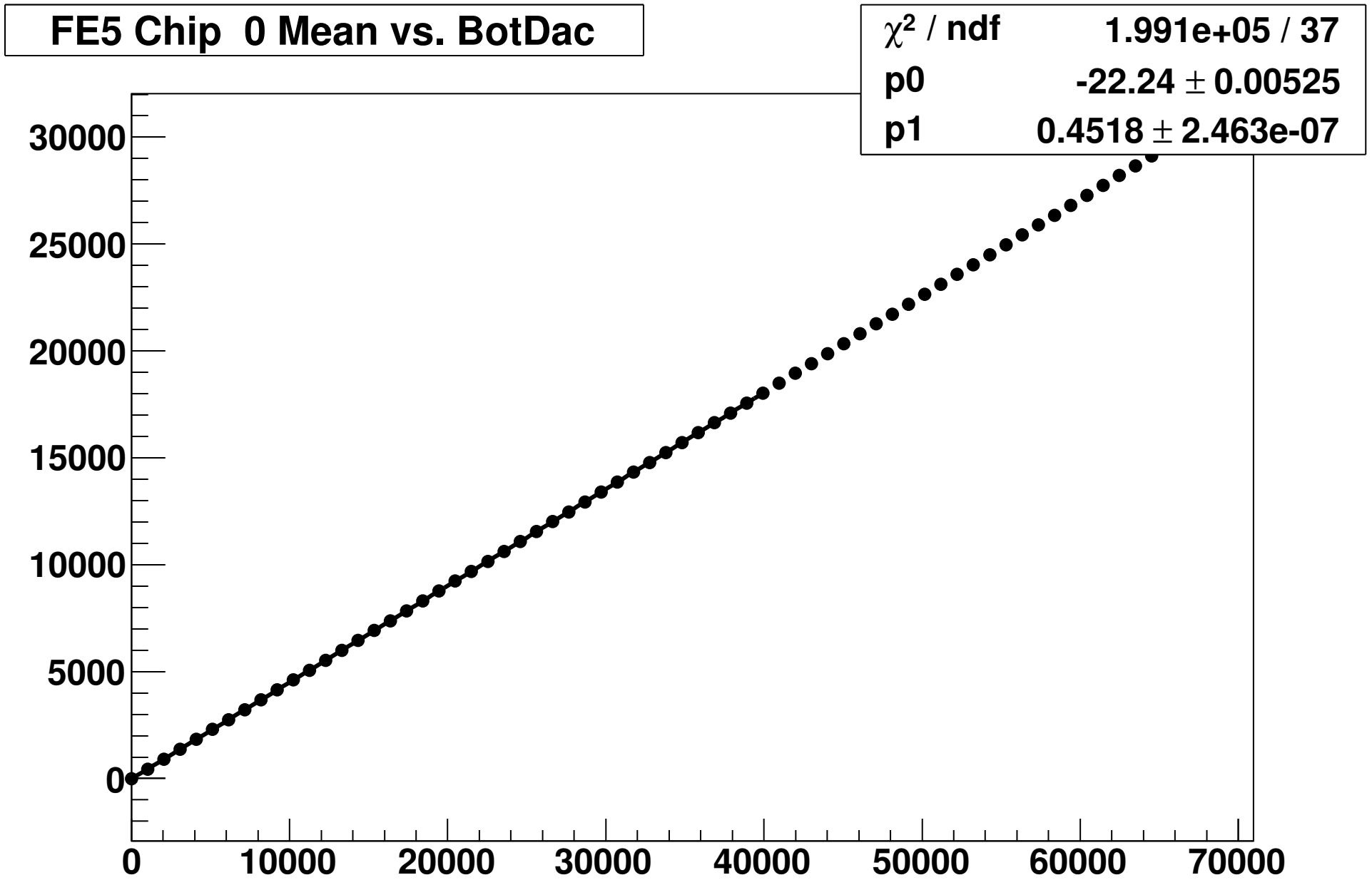
FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.991e+05 / 37
p0 -22.24 ± 0.00525
p1 0.4518 ± 2.463e-07
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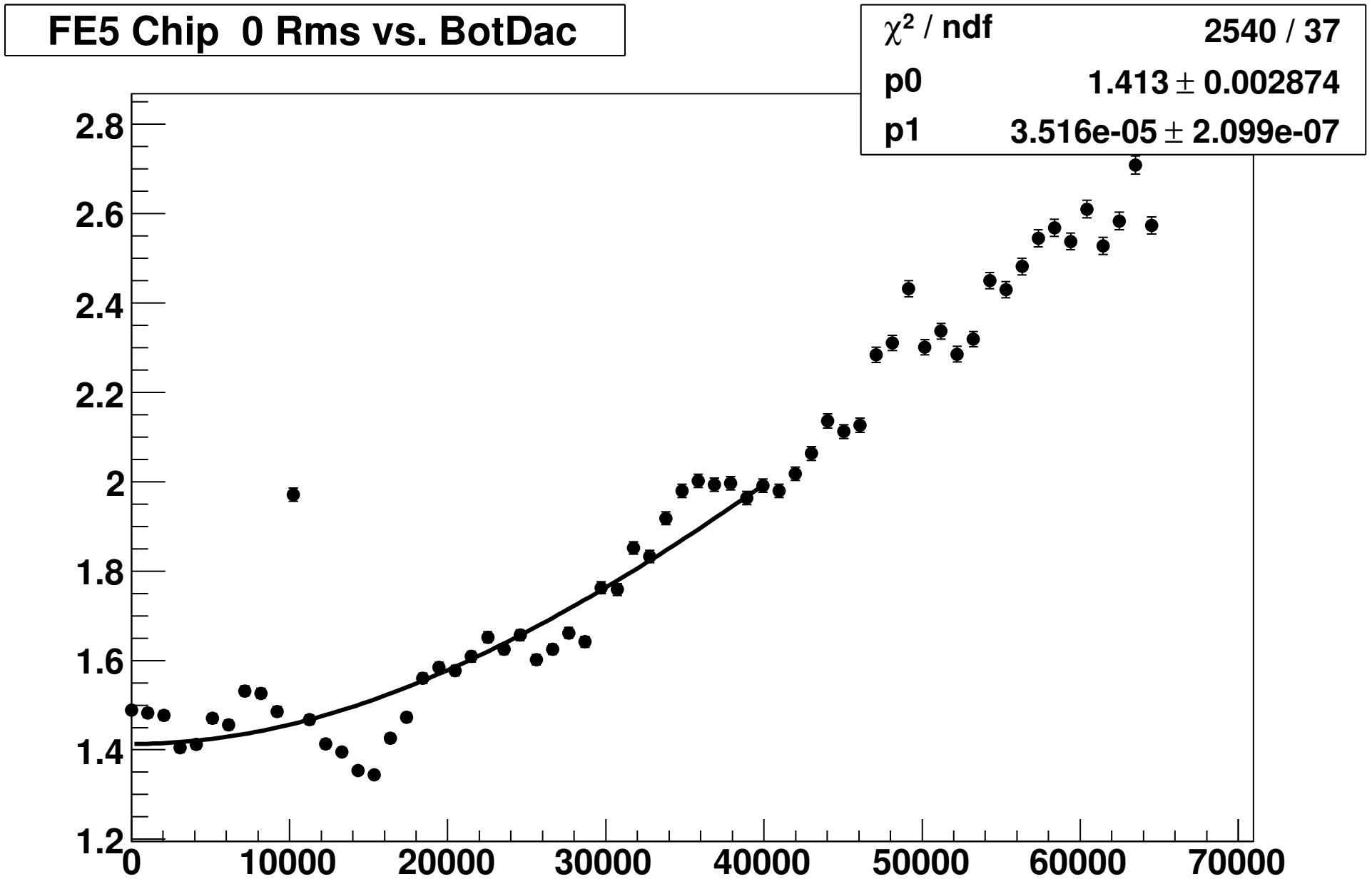
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 2540 / 37
p0 1.413 ± 0.002874
p1 3.516e-05 ± 2.099e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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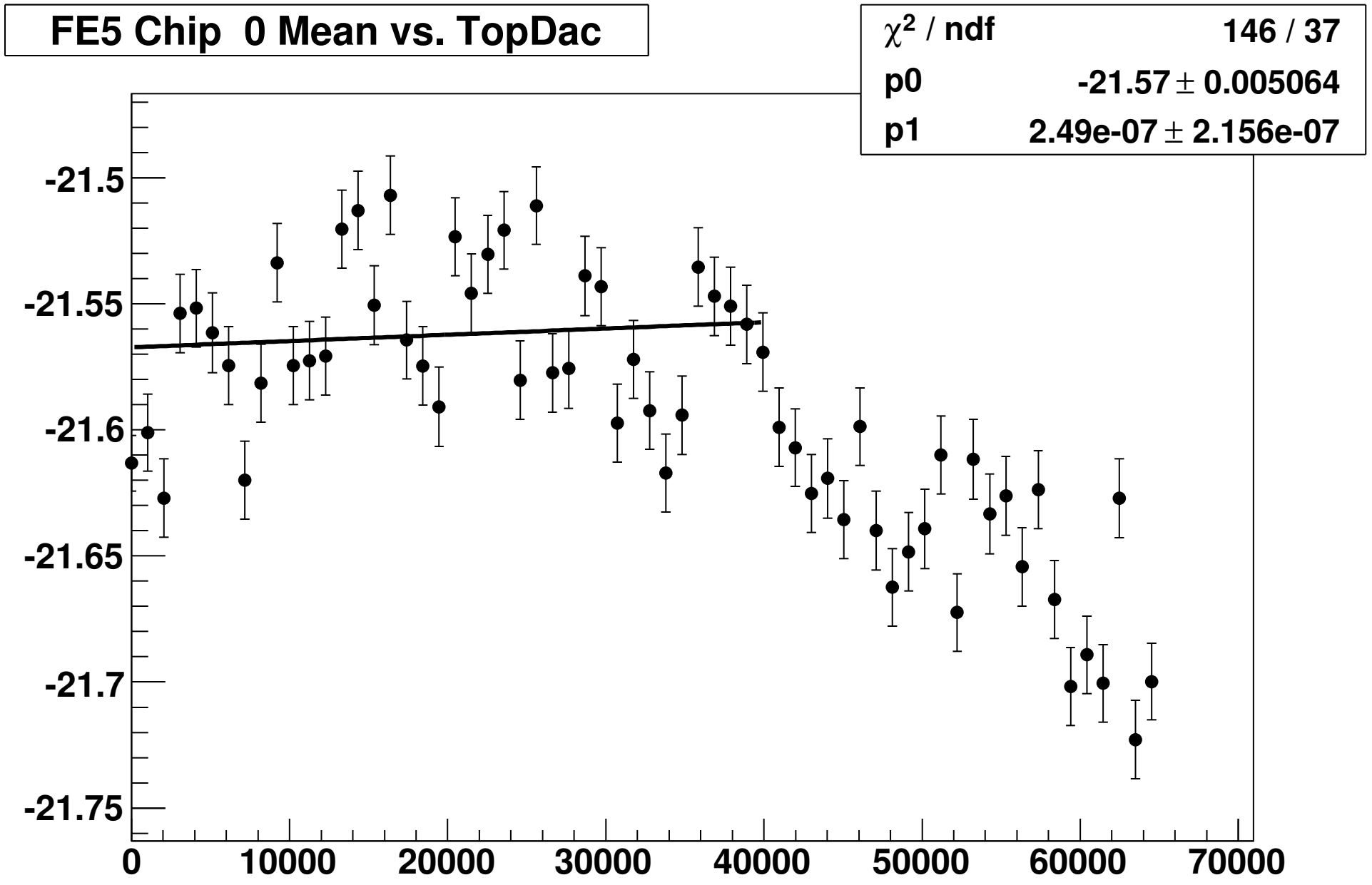
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 146 / 37
p0 -21.57 ± 0.005064
p1 2.49e-07 ± 2.156e-07
-21.5
-21.55
-21.6
-21.65
-21.7
-21.75
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10000
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30000
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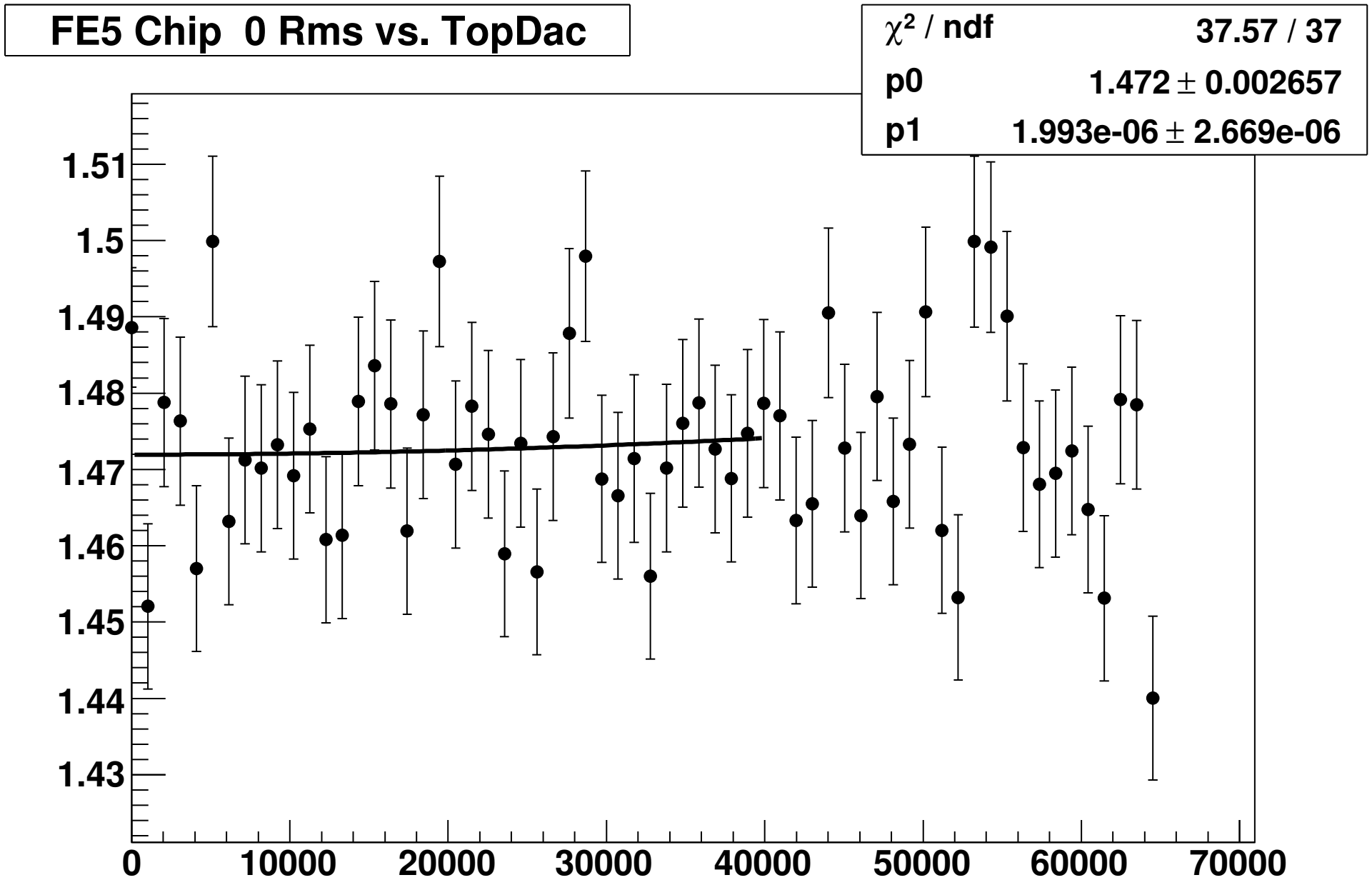
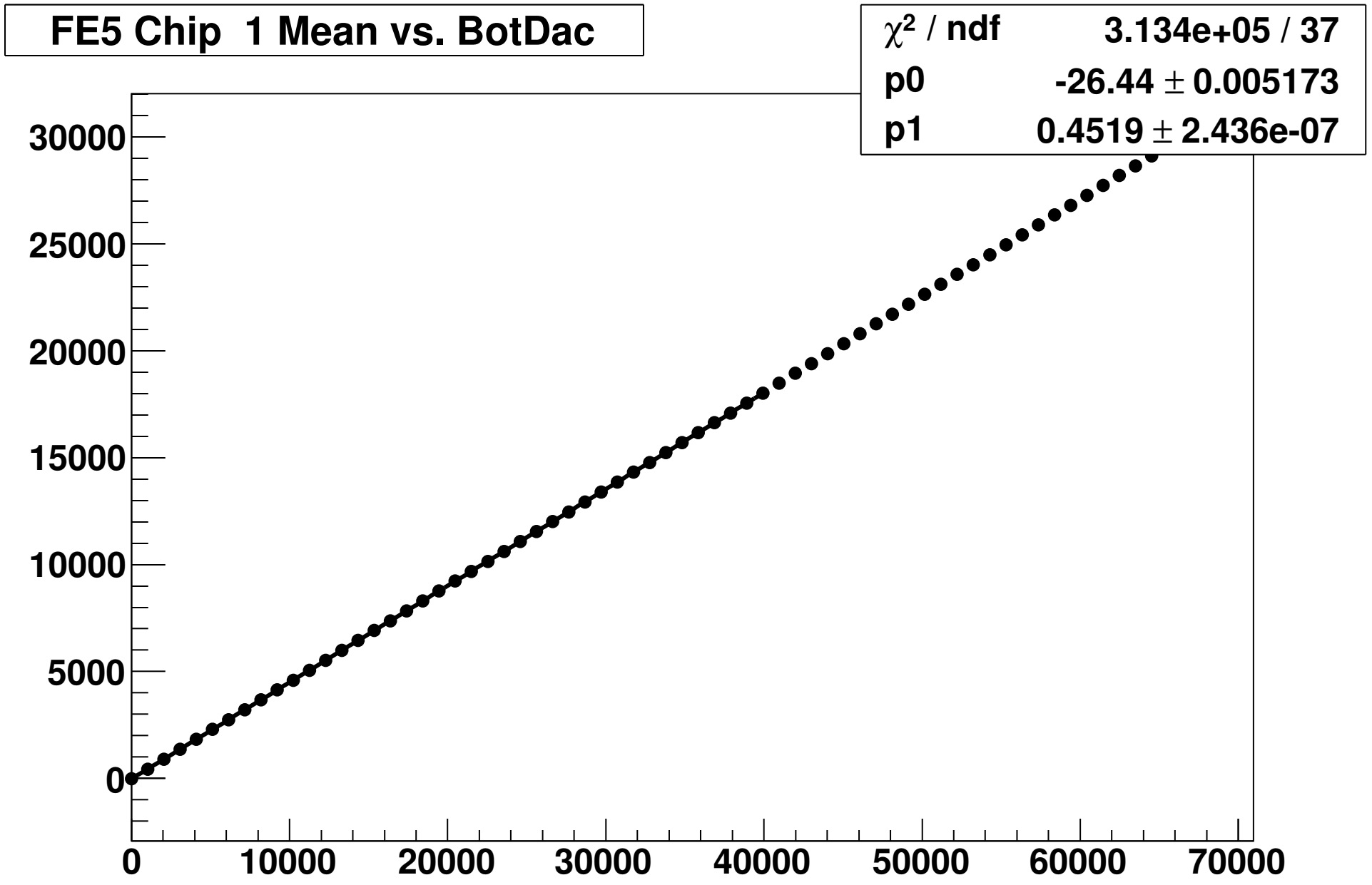
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 37.57 / 37
p0 1.472 ± 0.002657
p1 1.993e-06 ± 2.669e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 3.134e+05 / 37
p0 -26.44 ± 0.005173
p1 0.4519 ± 2.436e-07
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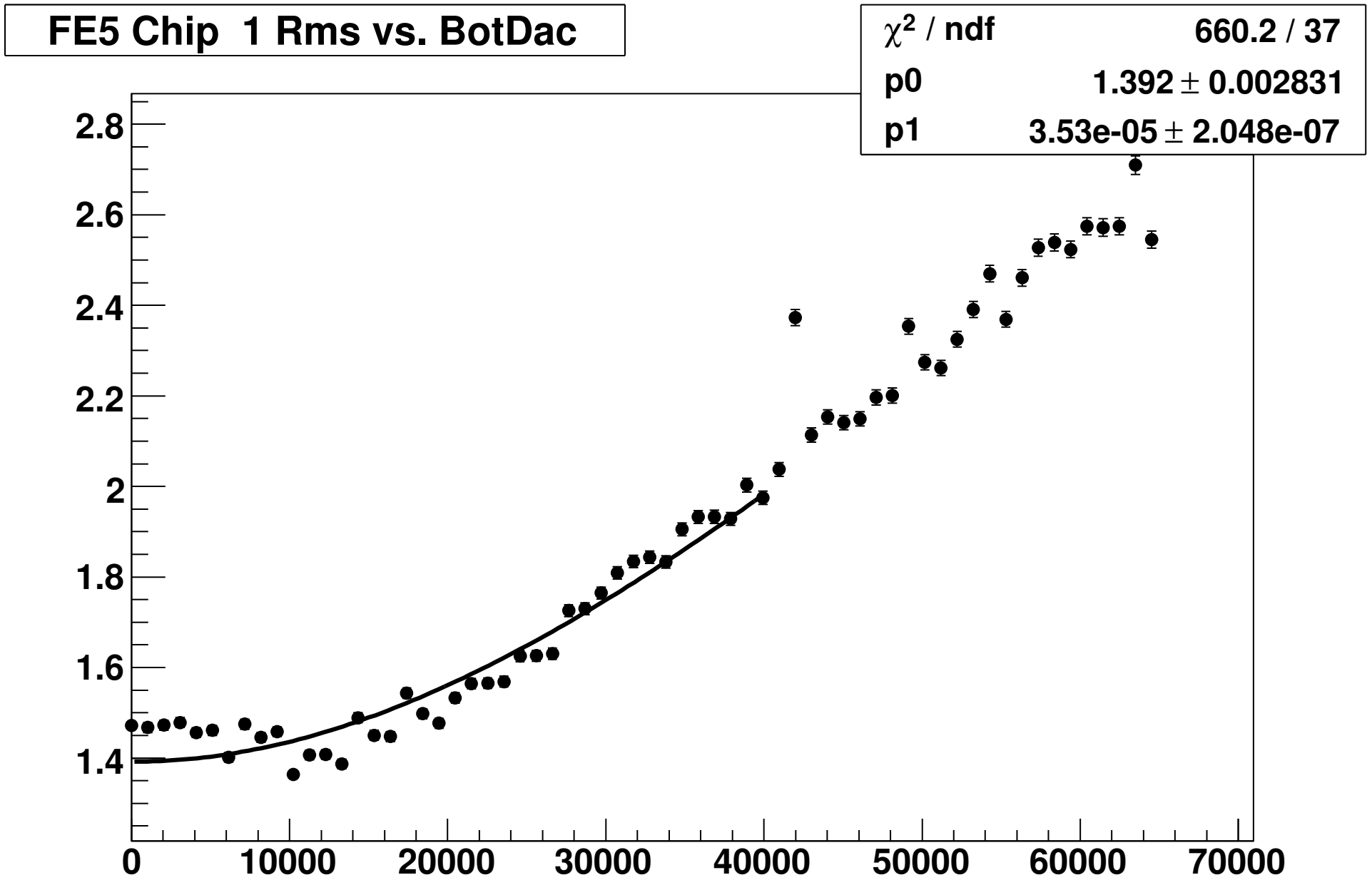
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 660.2 / 37
p0 1.392 ± 0.002831
p1 3.53e-05 ± 2.048e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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20000
30000
40000
50000
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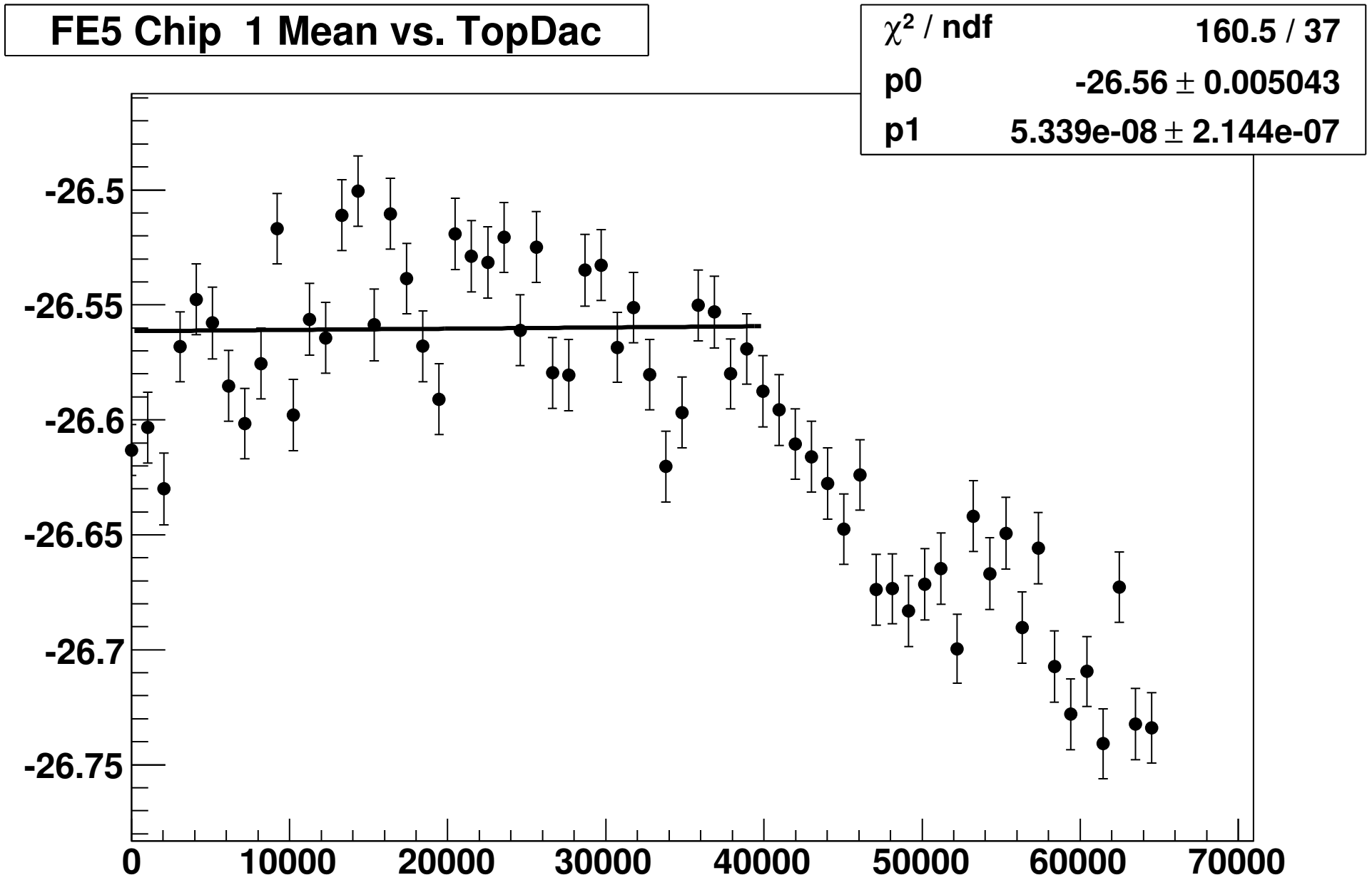
FE5 Chip 1 Mean vs. TopDac
χ² / ndf 160.5 / 37
p0 -26.56 ± 0.005043
p1 5.339e-08 ± 2.144e-07
-26.5
-26.55
-26.6
-26.65
-26.7
-26.75
0
10000
20000
30000
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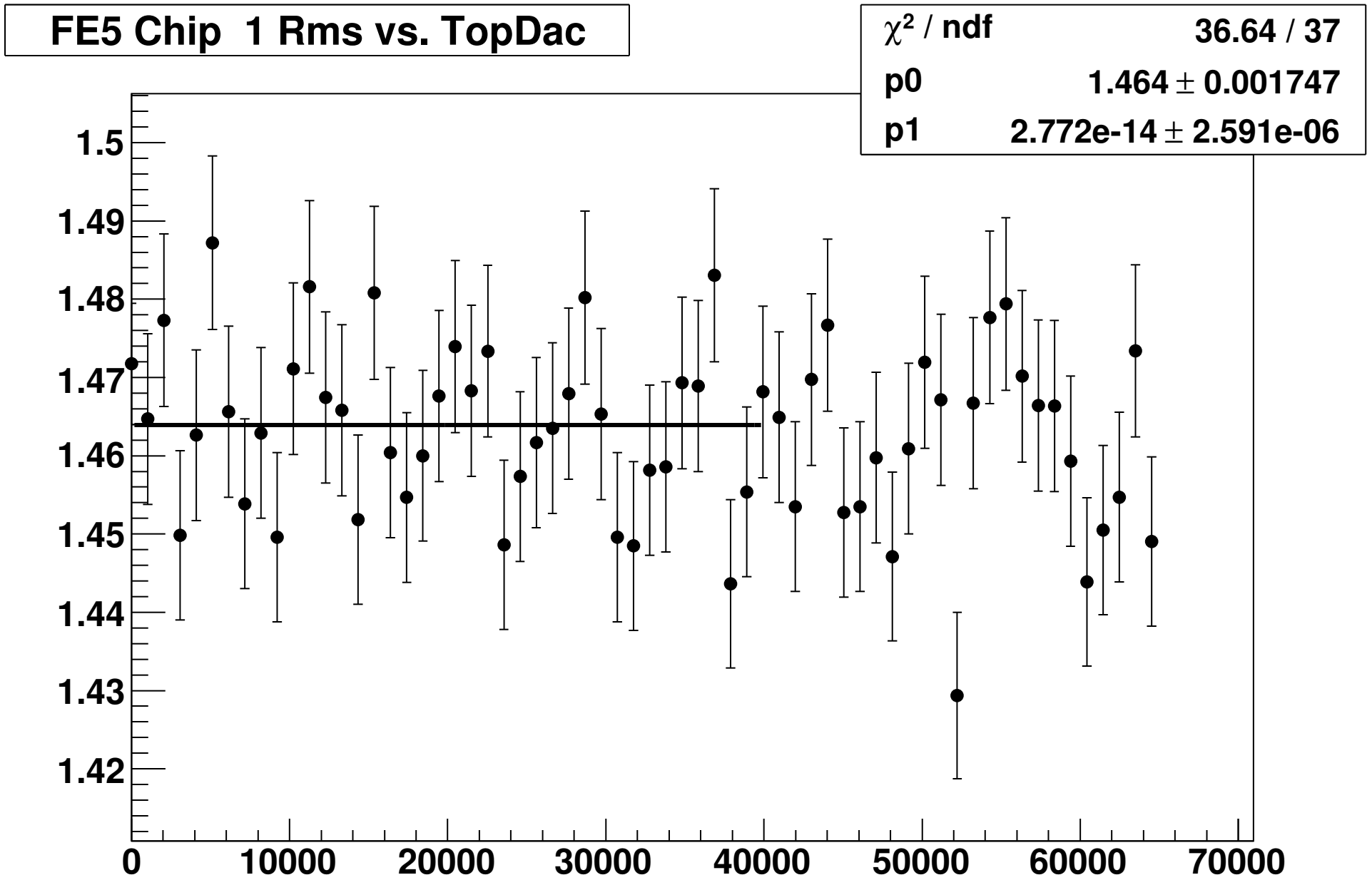
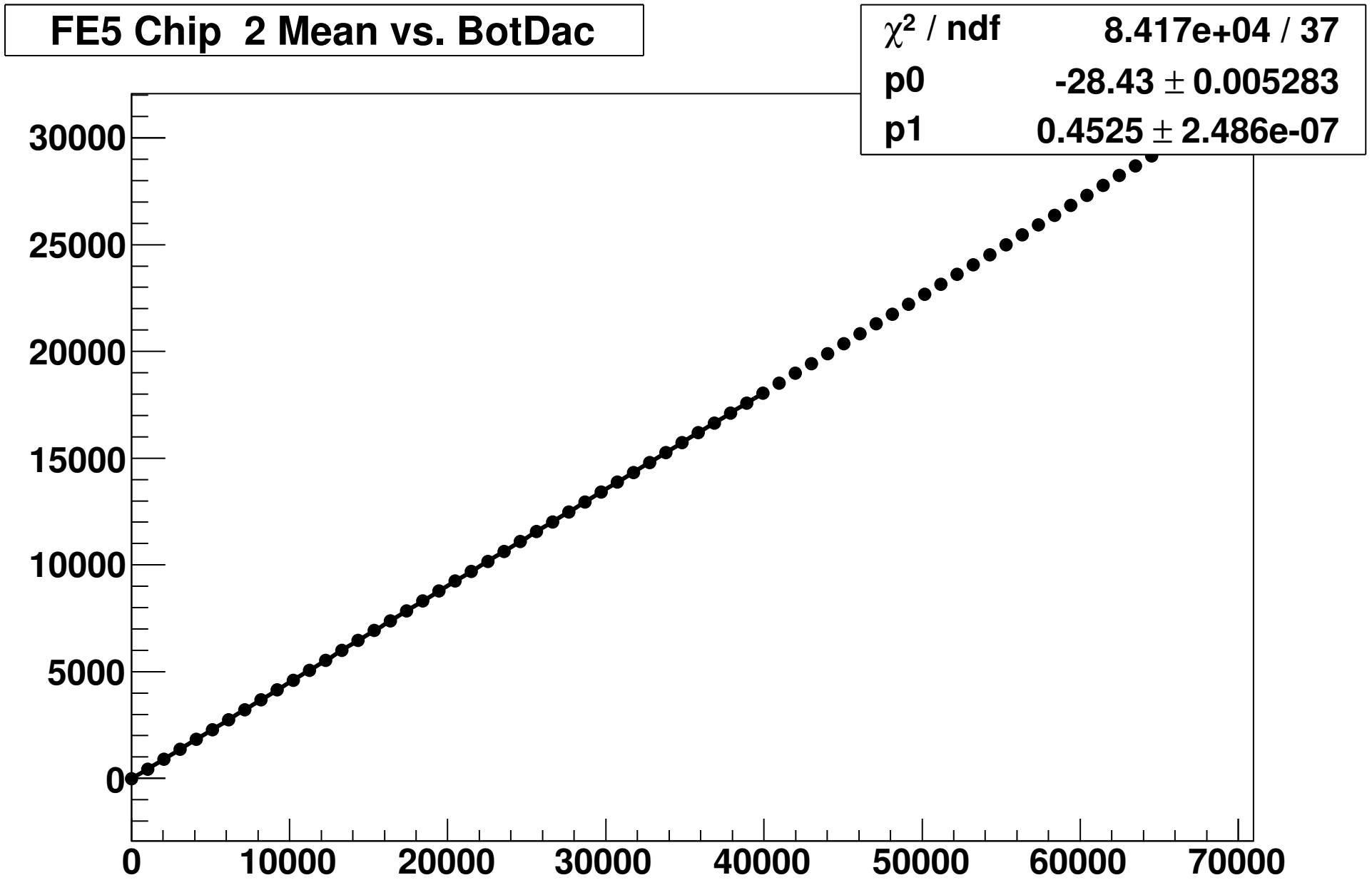
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 36.64 / 37
p0 1.464 ± 0.001747
p1 2.772e-14 ± 2.591e-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 2 Mean vs. BotDac
χ² / ndf 8.417e+04 / 37
p0 -28.43 ± 0.005283
p1 0.4525 ± 2.486e-07
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20000
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5000
0
0
10000
20000
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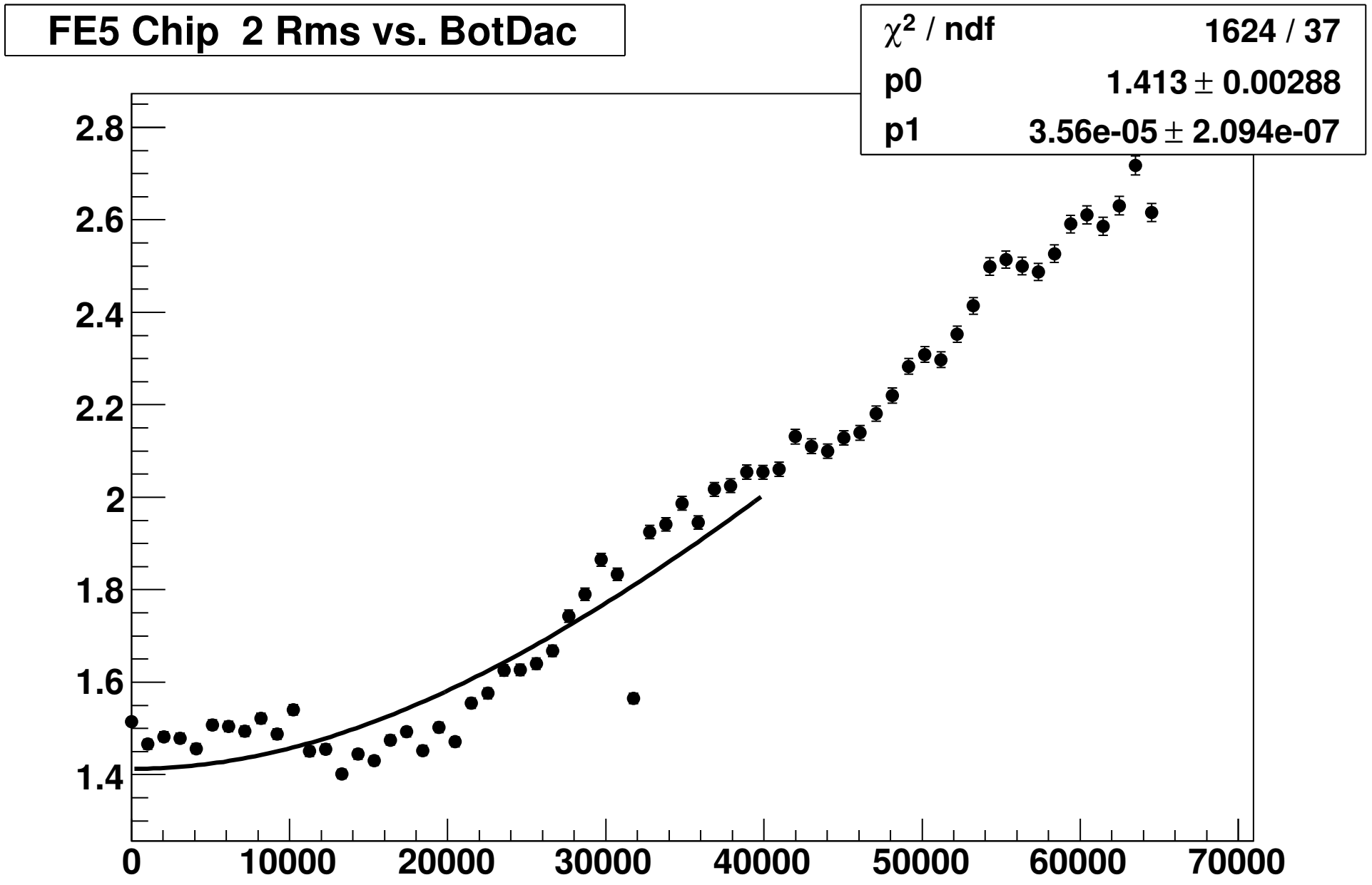
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1624 / 37
p0 1.413 ± 0.00288
p1 3.56e-05 ± 2.094e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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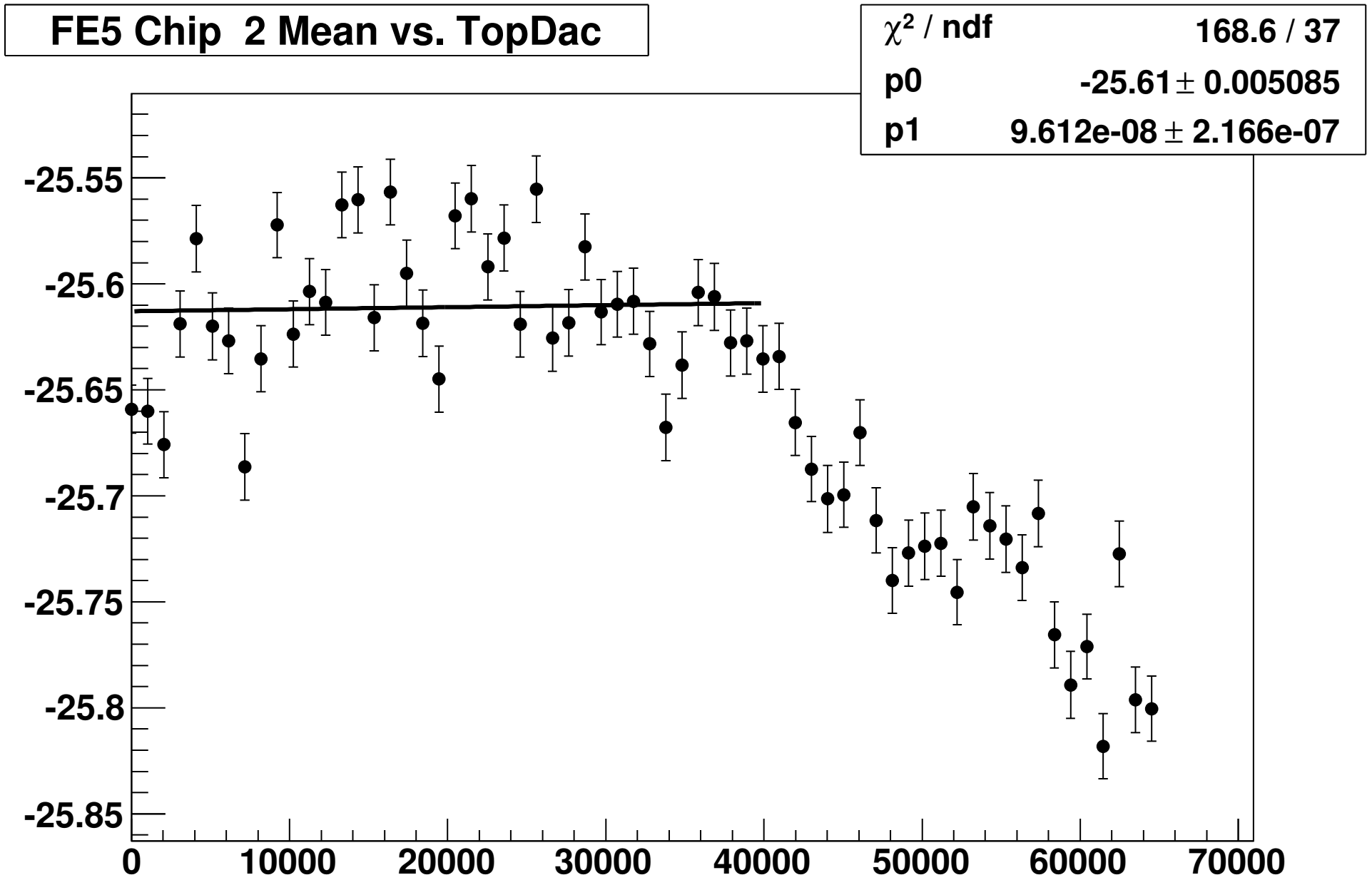
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 168.6 / 37
p0 -25.61 ± 0.005085
p1 9.612e-08 ± 2.166e-07
-25.55
-25.6
-25.65
-25.7
-25.75
-25.8
-25.85
0
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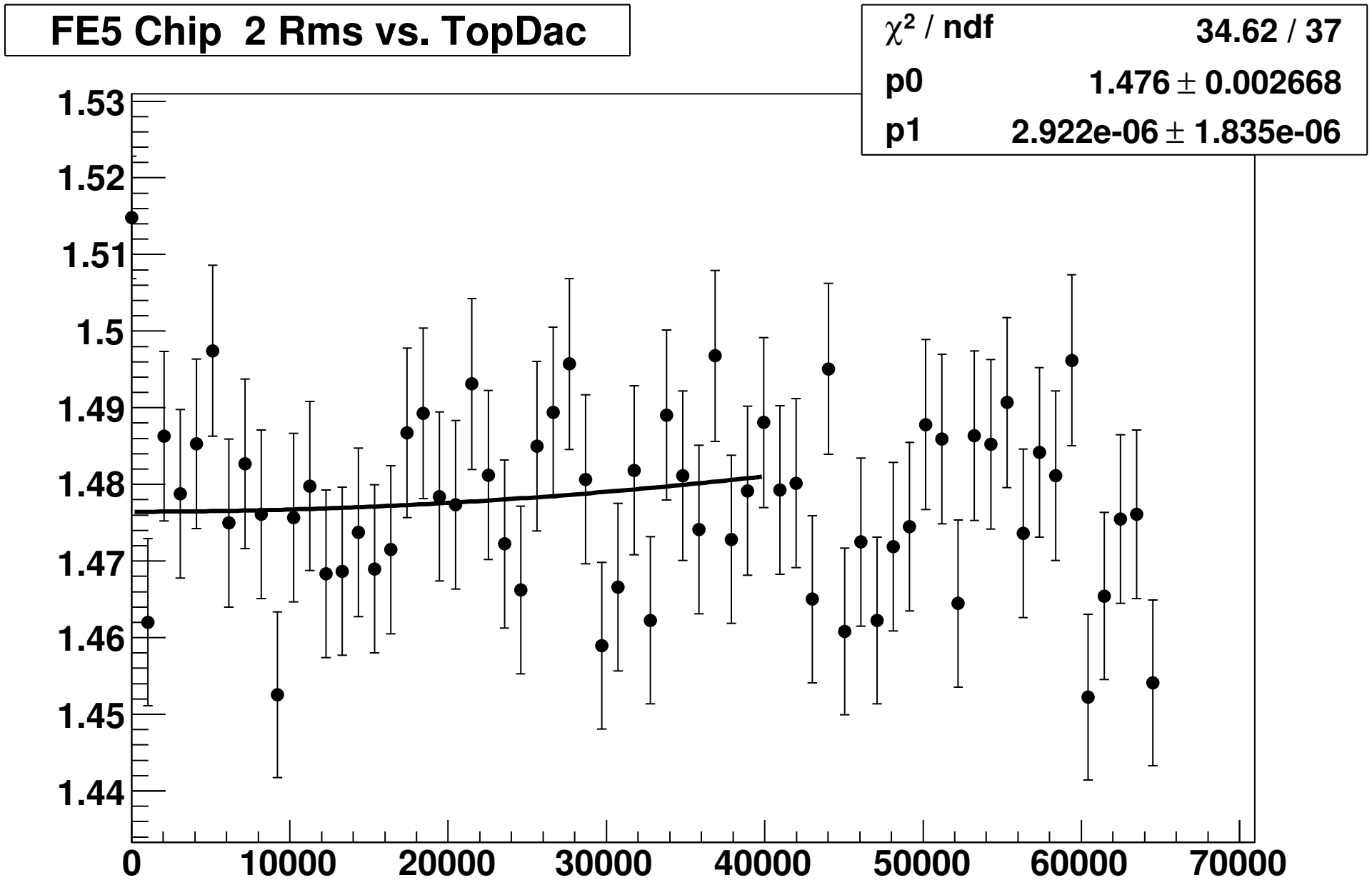
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 34.62 / 37
p0 1.476 ± 0.002668
p1 2.922e-06 ± 1.835e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
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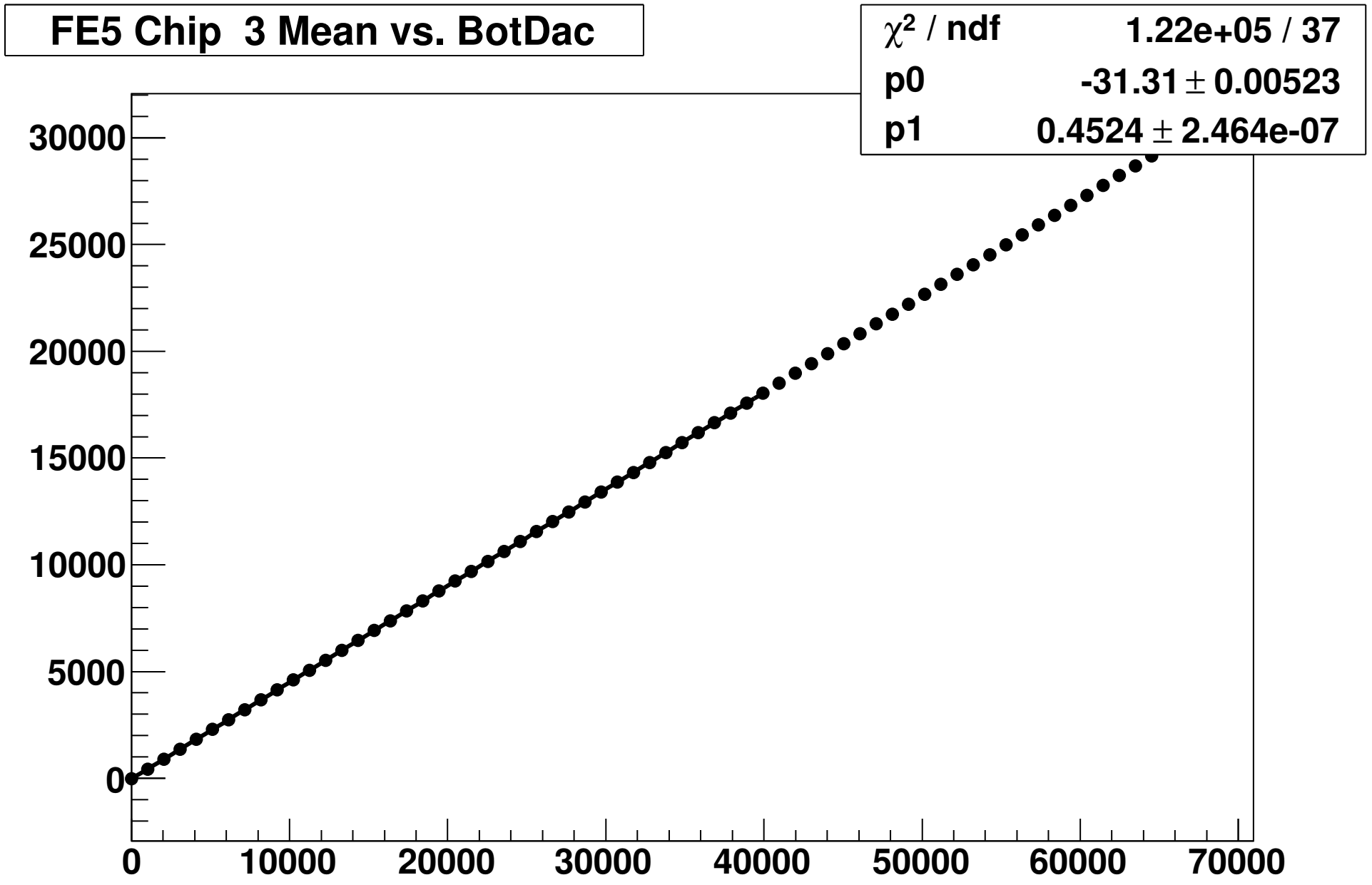
FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.22e+05 / 37
p0 -31.31 ± 0.00523
p1 0.4524 ± 2.464e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
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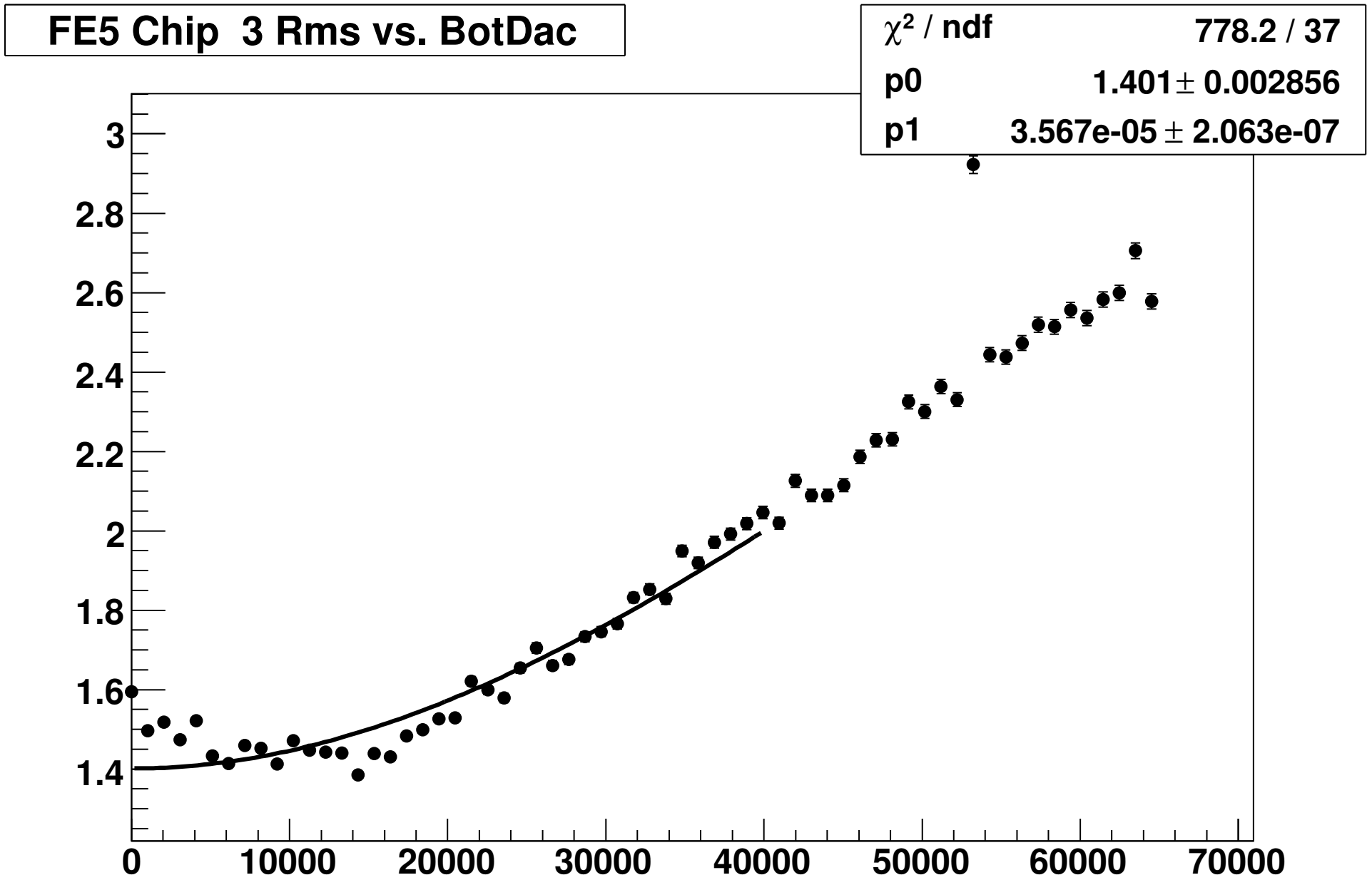
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 778.2 / 37
p0 1.401 ± 0.002856
p1 3.567e-05 ± 2.063e-07
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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50000
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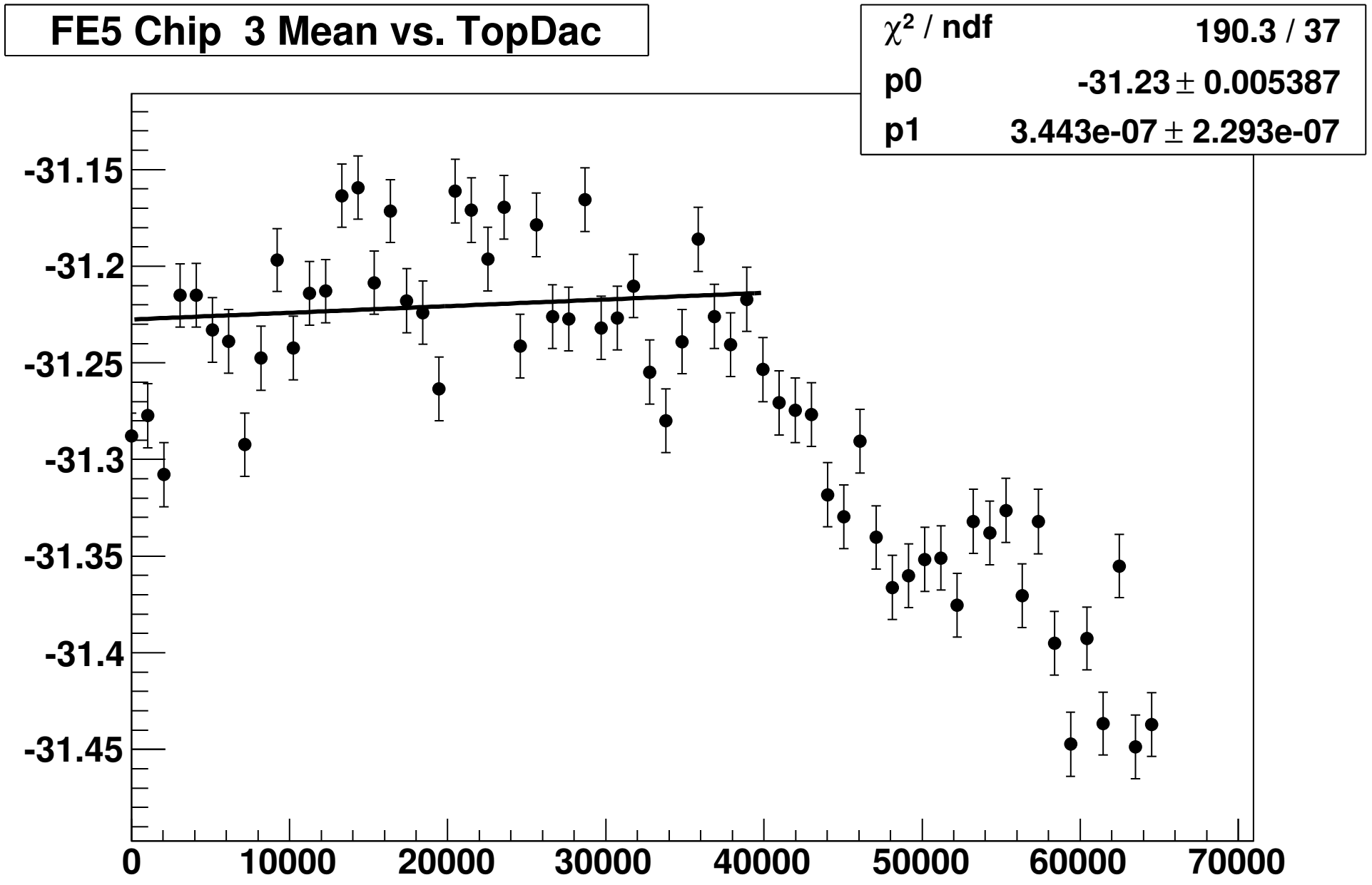
FE5 Chip 3 Mean vs. TopDac
χ² / ndf 190.3 / 37
p0 -31.23 ± 0.005387
p1 3.443e-07 ± 2.293e-07
-31.15
-31.2
-31.25
-31.3
-31.35
-31.4
-31.45
0
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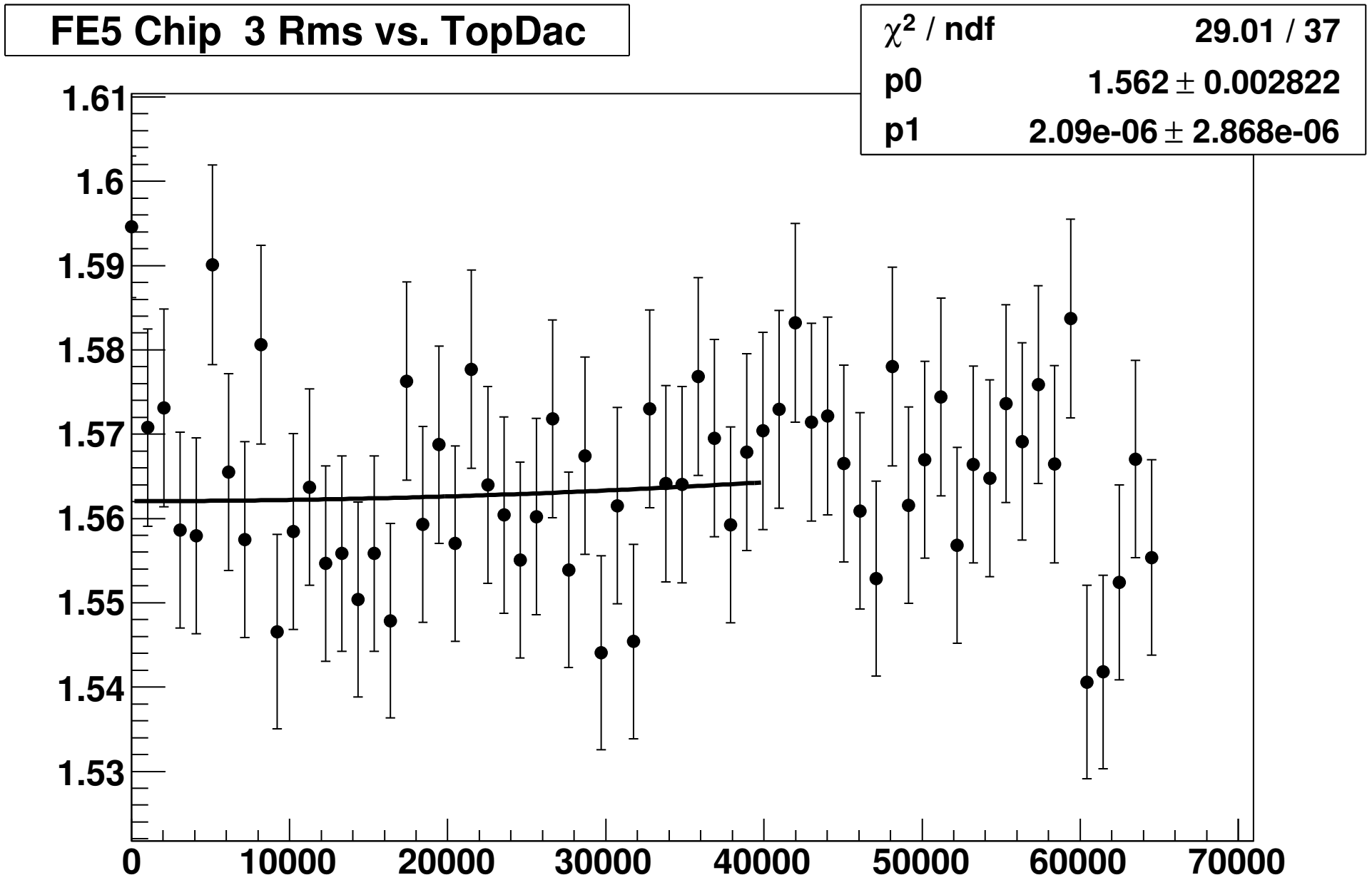
FE5 Chip 3 Rms vs. TopDac
χ² / ndf 29.01 / 37
p0 1.562 ± 0.002822
p1 2.09e-06 ± 2.868e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
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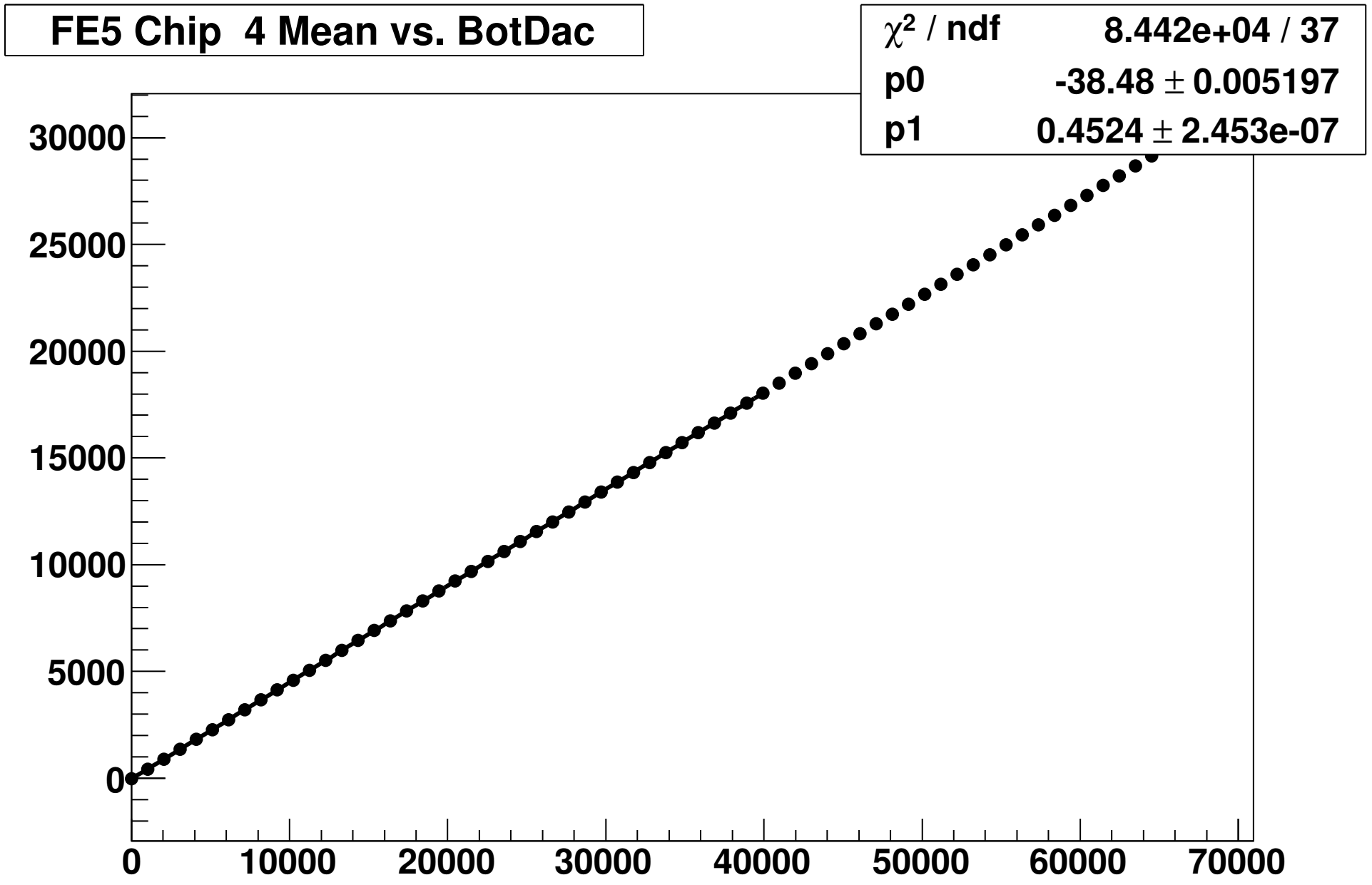
FE5 Chip 4 Mean vs. BotDac
χ² / ndf 8.442e+04 / 37
p0 -38.48 ± 0.005197
p1 0.4524 ± 2.453e-07
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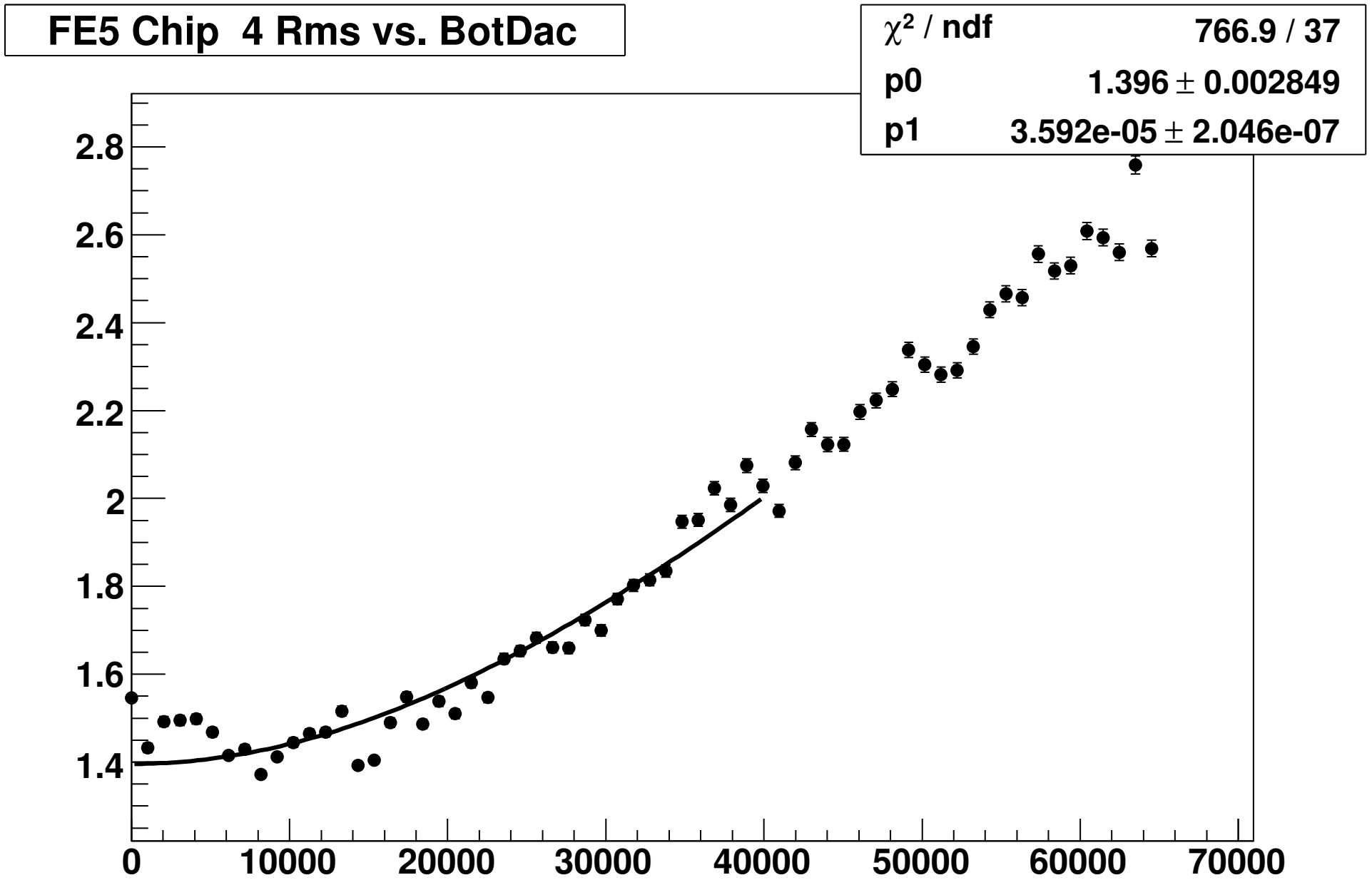
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 766.9 / 37
p0 1.396 ± 0.002849
p1 3.592e-05 ± 2.046e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
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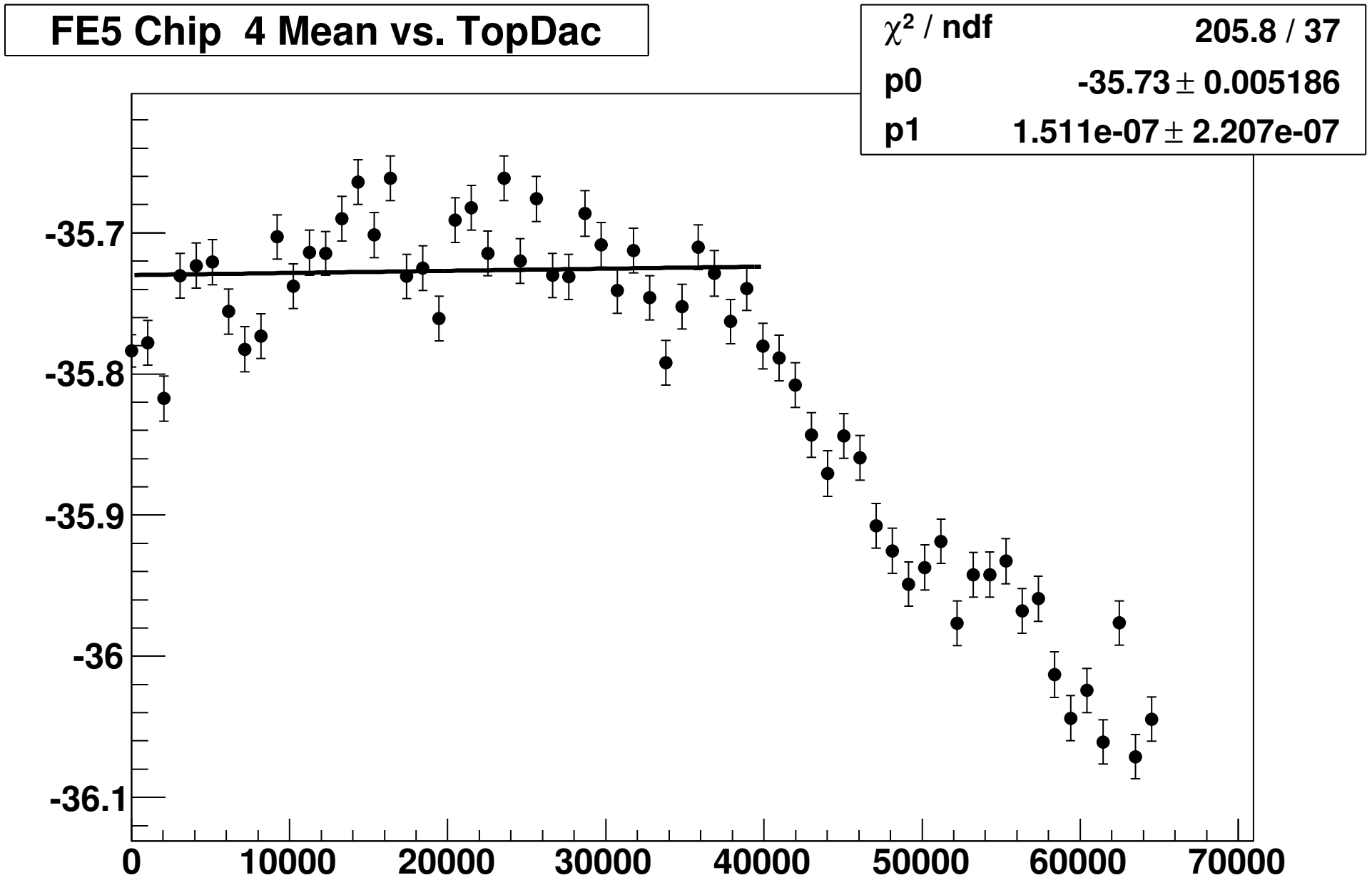
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 205.8 / 37
p0 -35.73 ± 0.005186
p1 1.511e-07 ± 2.207e-07
-35.7
-35.8
-35.9
-36
-36.1
0
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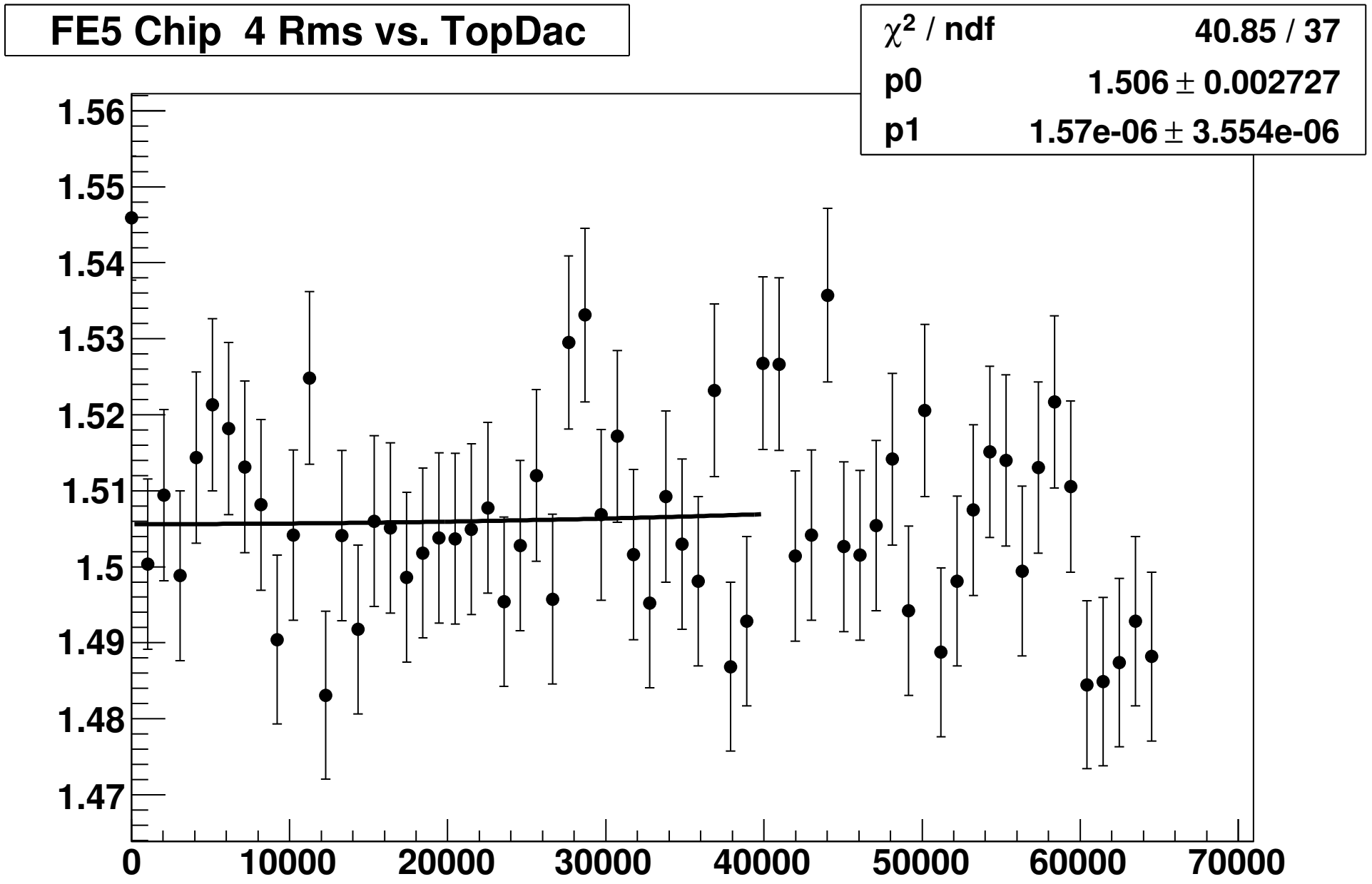
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 40.85 / 37
p0 1.506 ± 0.002727
p1 1.57e-06 ± 3.554e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
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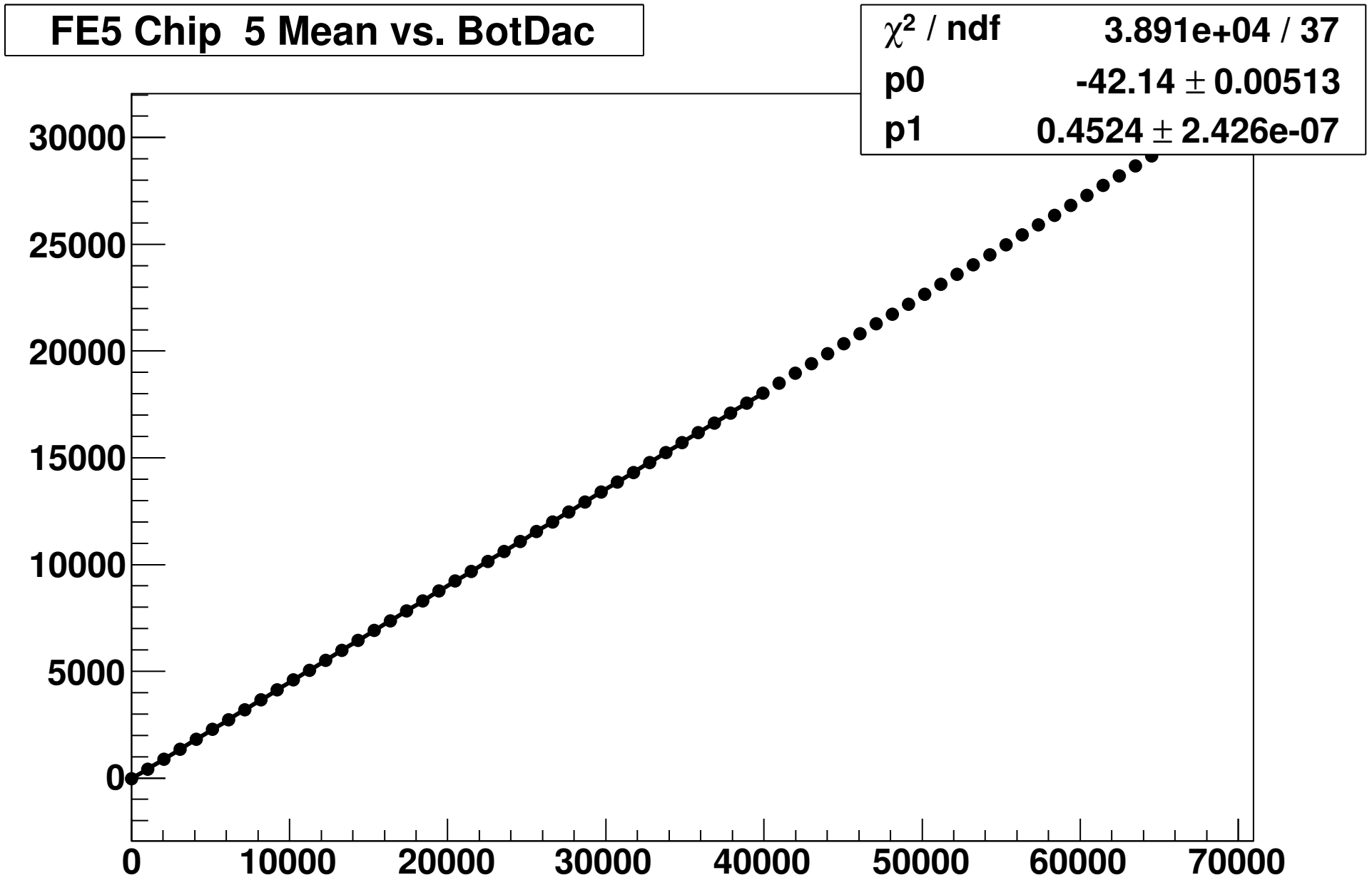
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 3.891e+04 / 37
p0 -42.14 ± 0.00513
p1 0.4524 ± 2.426e-07
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20000
15000
10000
5000
0
0
10000
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30000
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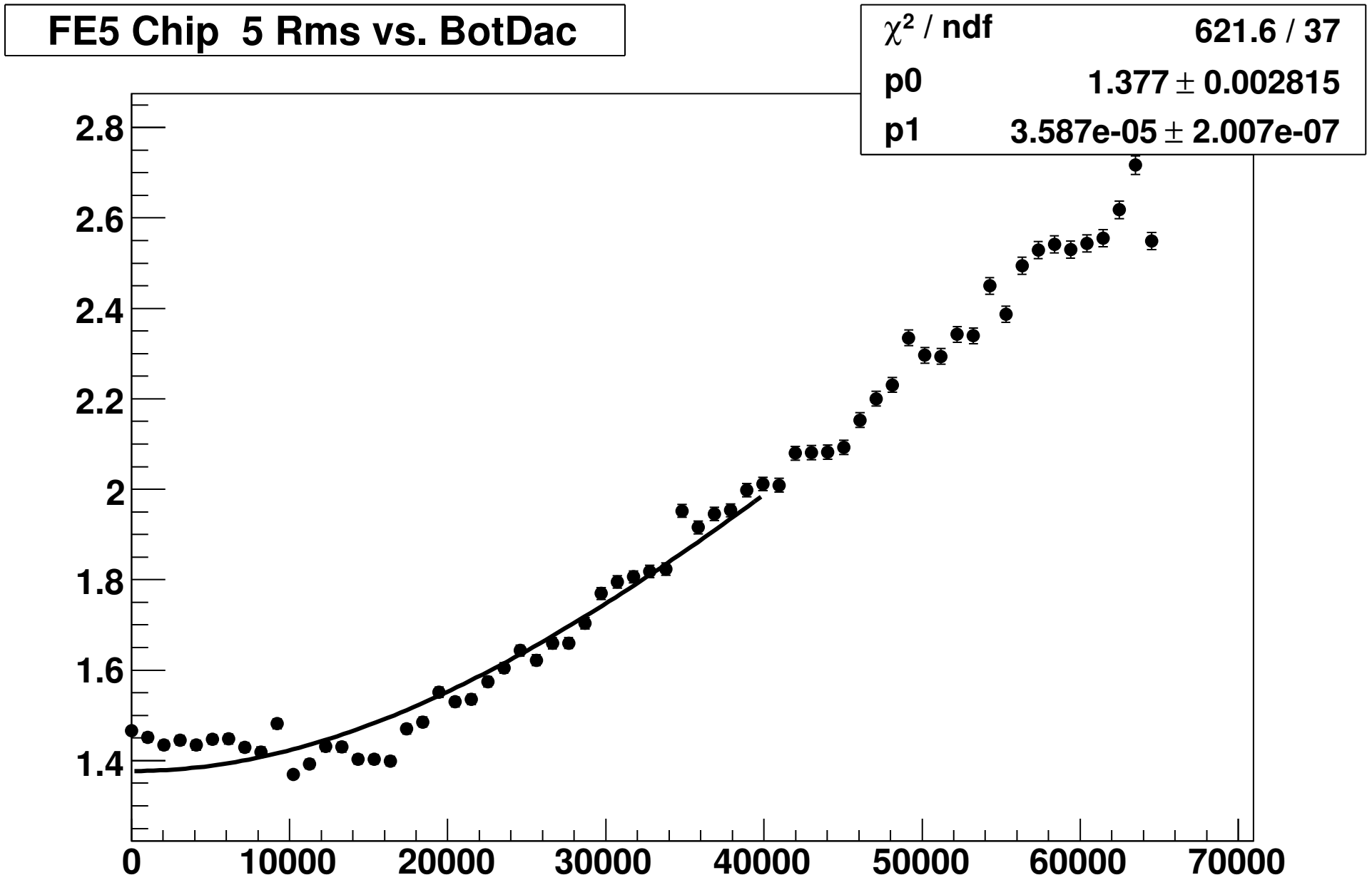
FE5 Chip 5 Rms vs. BotDac
χ² / ndf 621.6 / 37
p0 1.377 ± 0.002815
p1 3.587e-05 ± 2.007e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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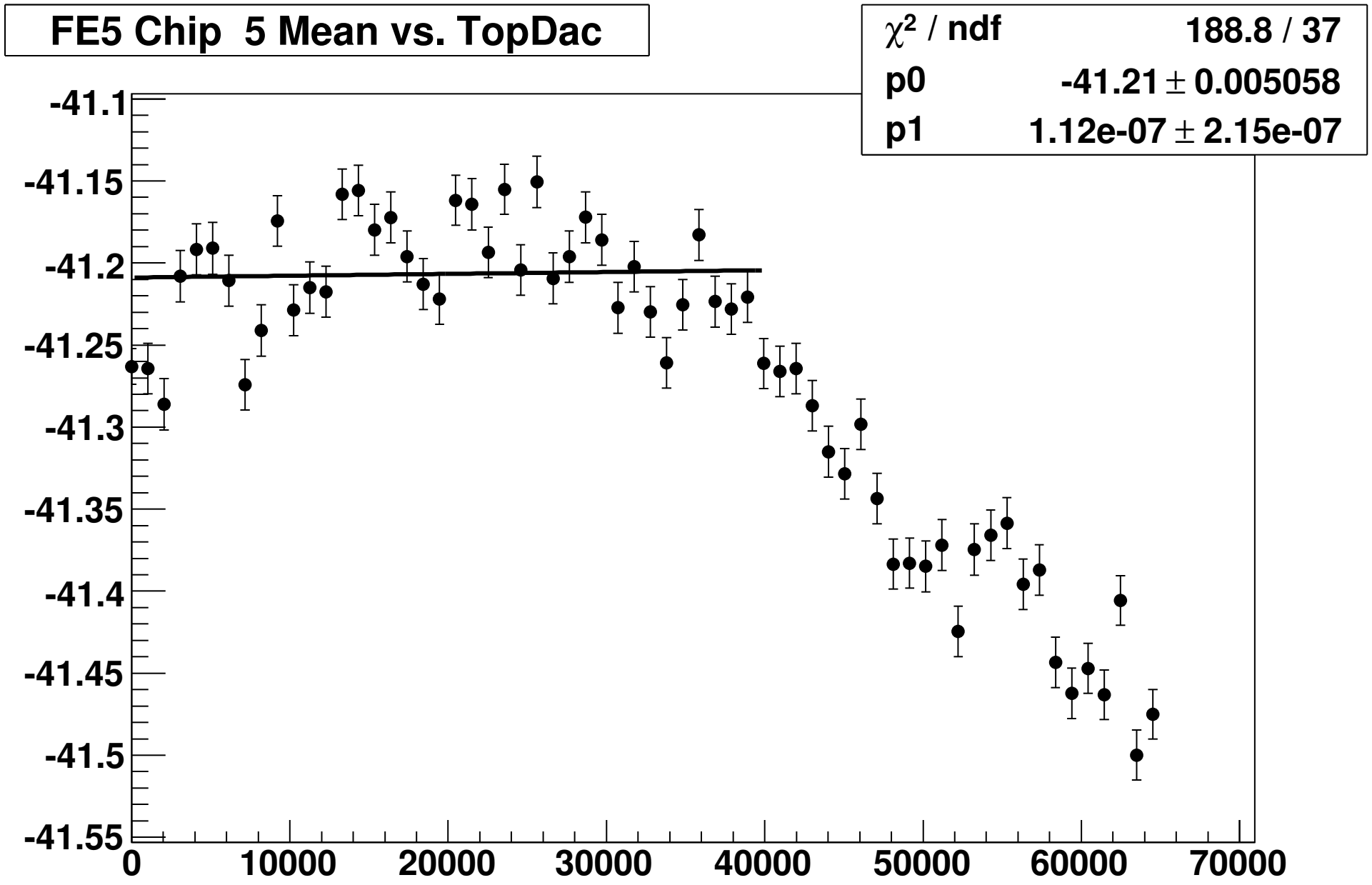
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 188.8 / 37
p0 -41.21 ± 0.005058
p1 1.12e-07 ± 2.15e-07
-41.1
-41.15
-41.2
-41.25
-41.3
-41.35
-41.4
-41.45
-41.5
-41.55
0
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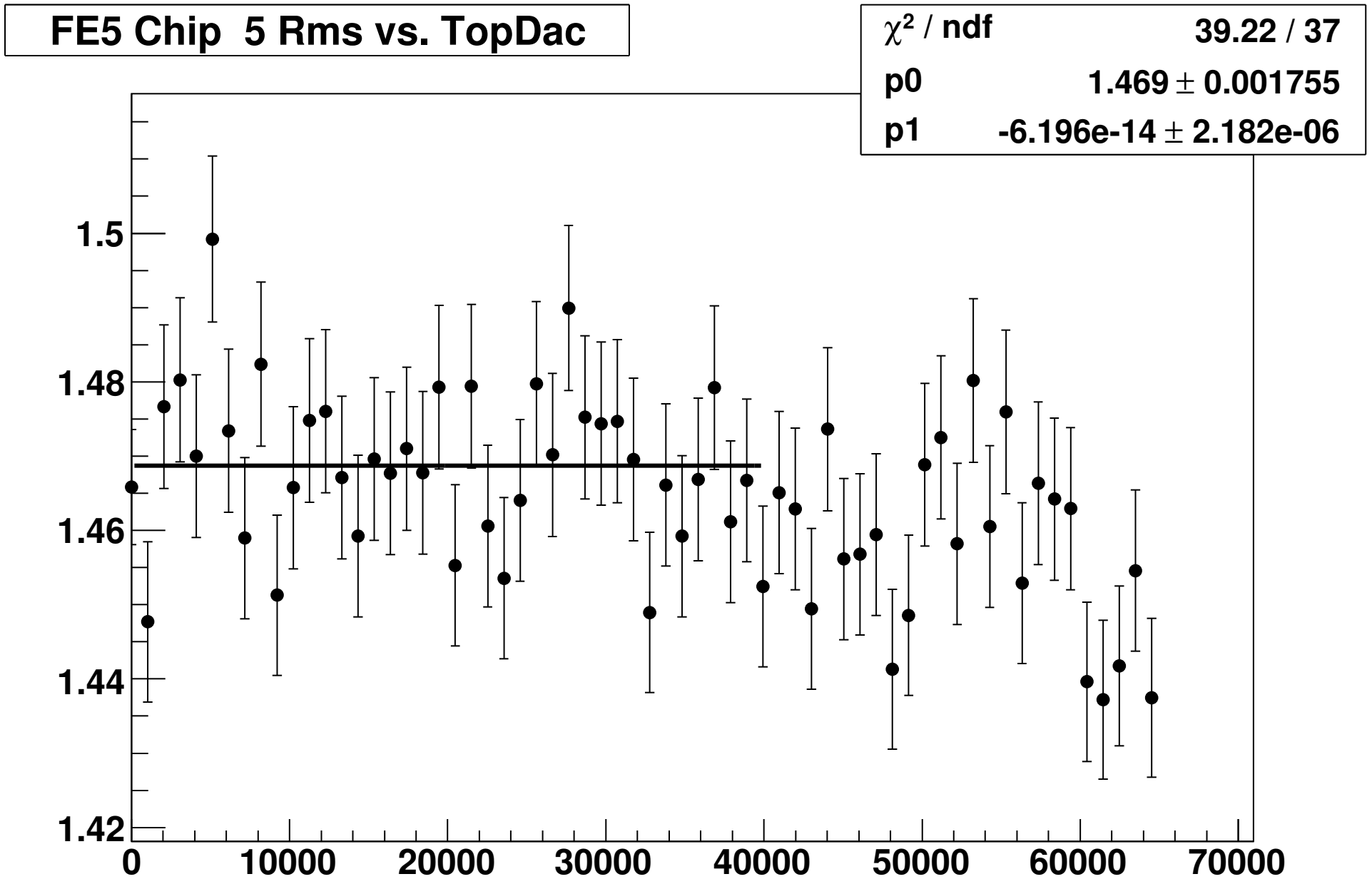
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 39.22 / 37
p0 1.469 ± 0.001755
p1 -6.196e-14 ± 2.182e-06
1.5
1.48
1.46
1.44
1.42
0
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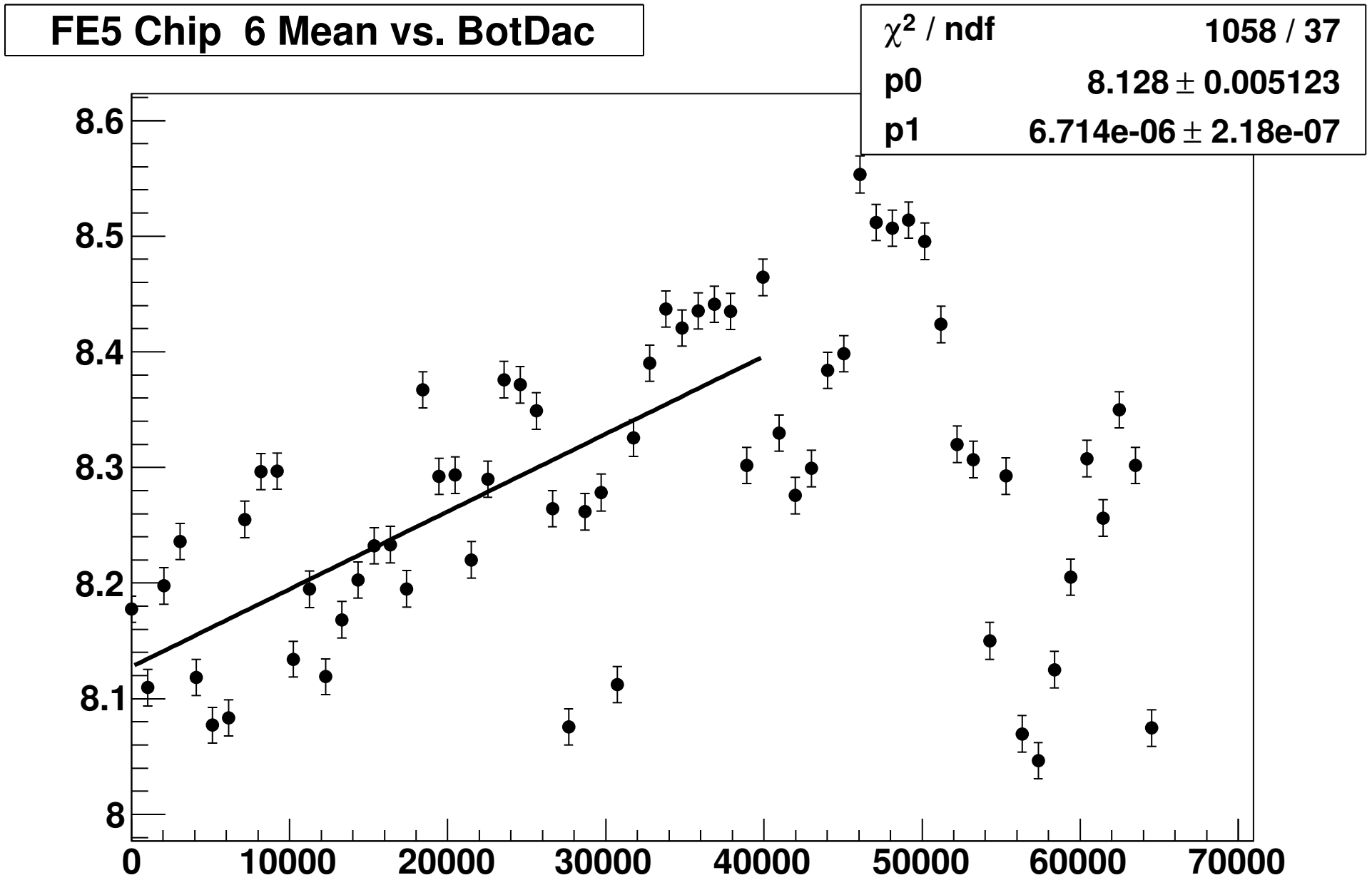
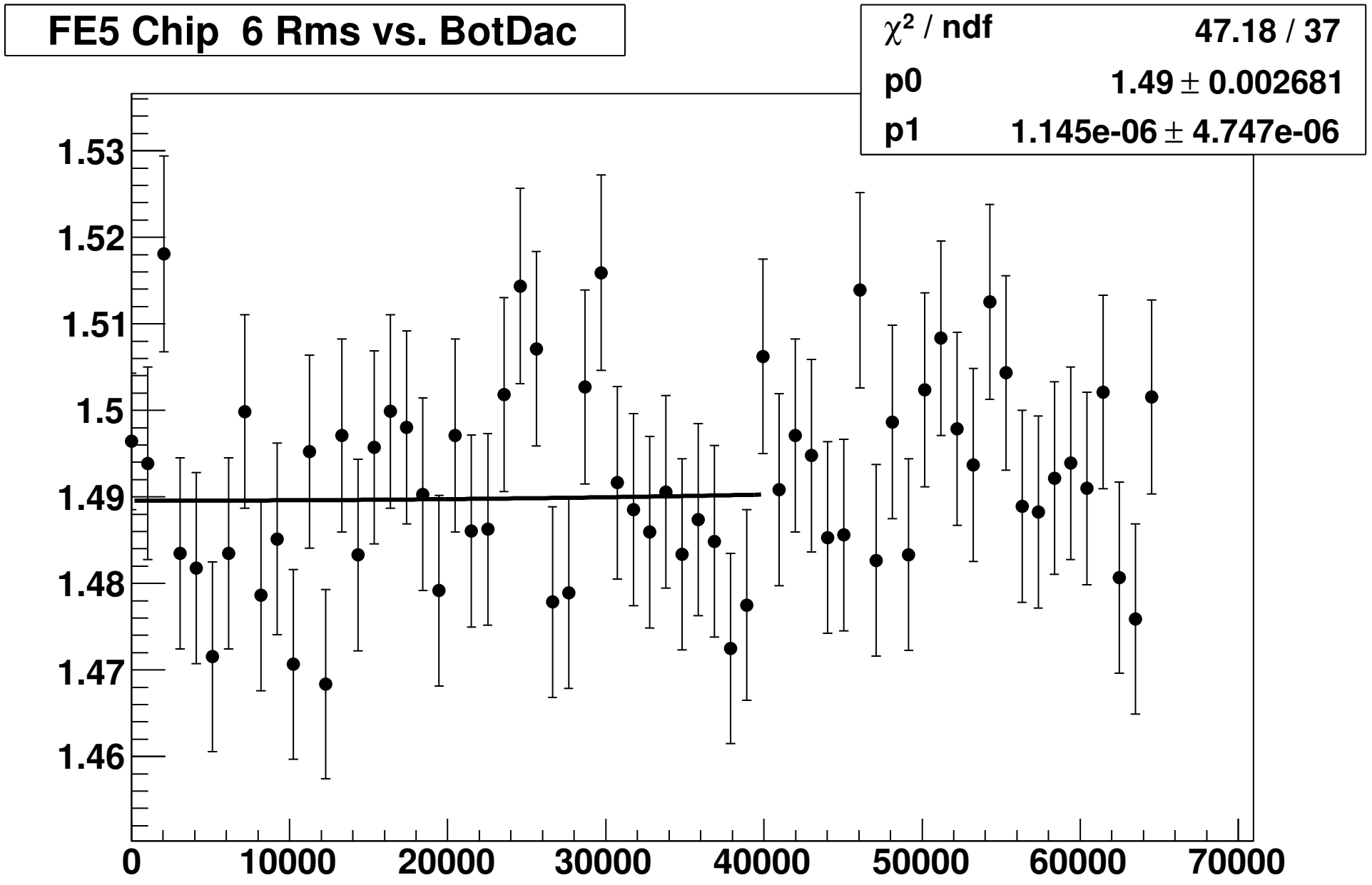

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 1058 / 37
p0 8.128 ± 0.005123
p1 6.714e-06 ± 2.18e-07
8.6
8.5
8.4
8.3
8.2
8.1
8
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. BotDac
χ² / ndf 47.18 / 37
p0 1.49 ± 0.002681
p1 1.145e-06 ± 4.747e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
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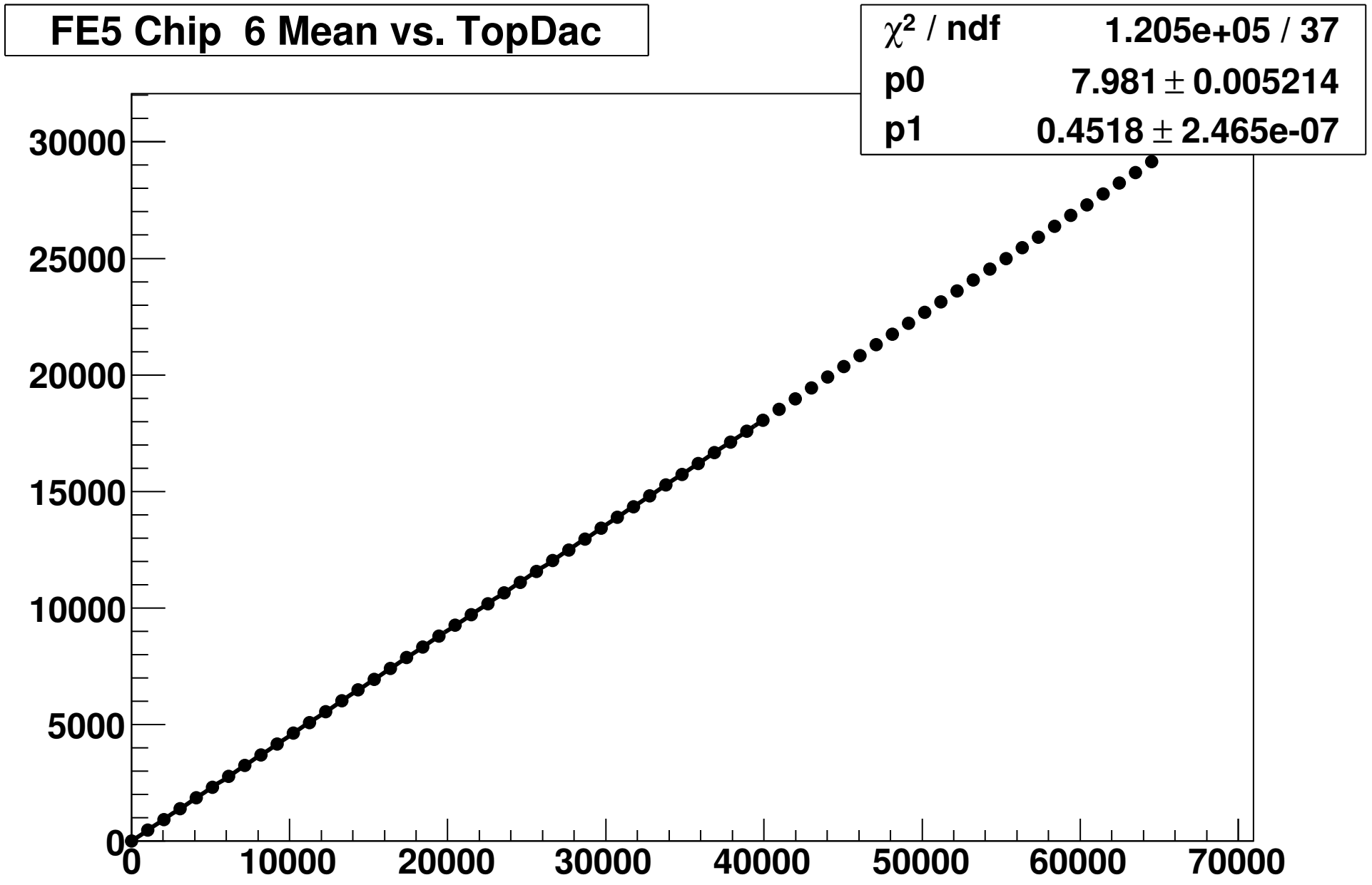
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.205e+05 / 37
p0 7.981 ± 0.005214
p1 0.4518 ± 2.465e-07
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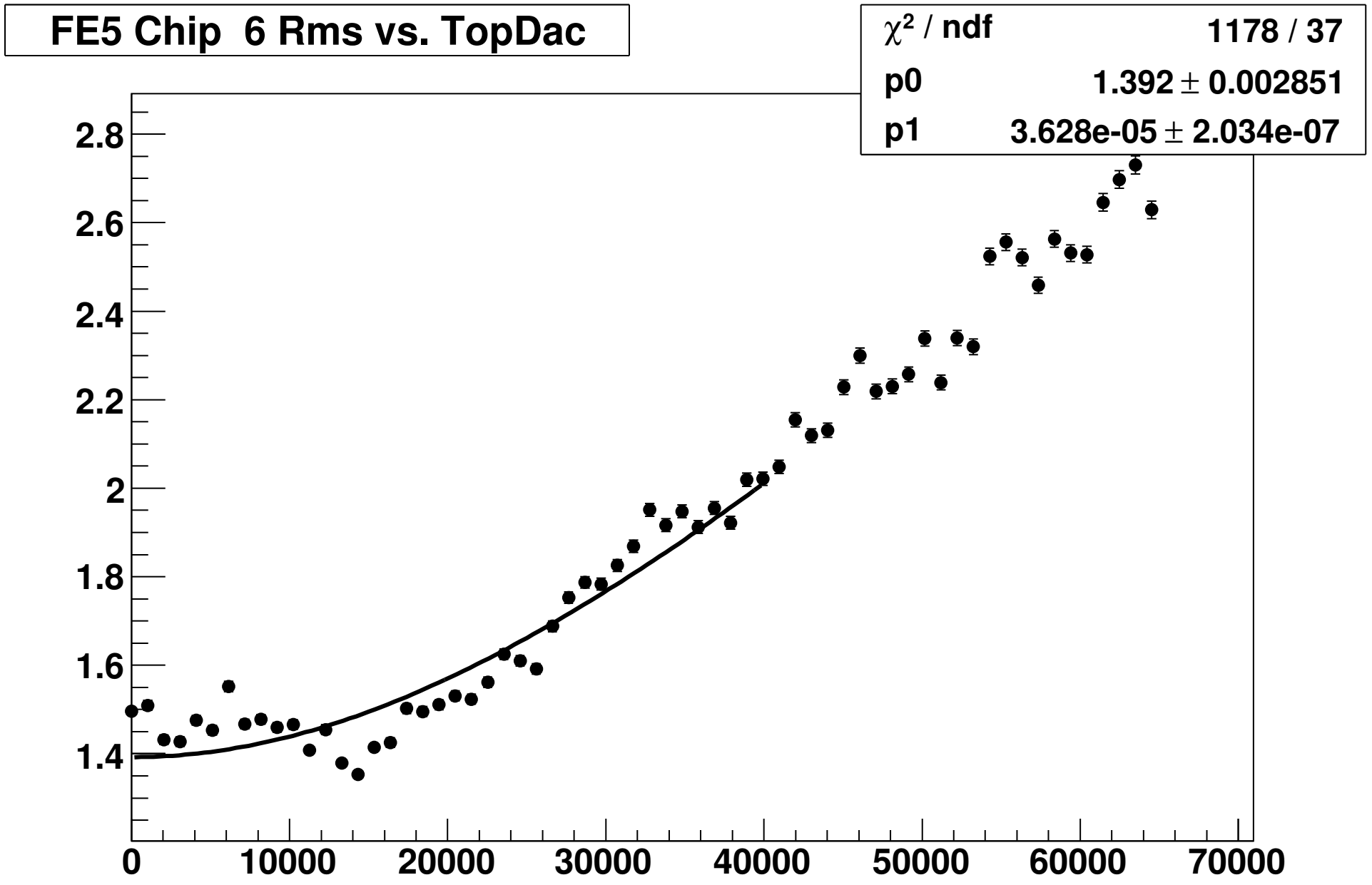
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1178 / 37
p0 1.392 ± 0.002851
p1 3.628e-05 ± 2.034e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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50000
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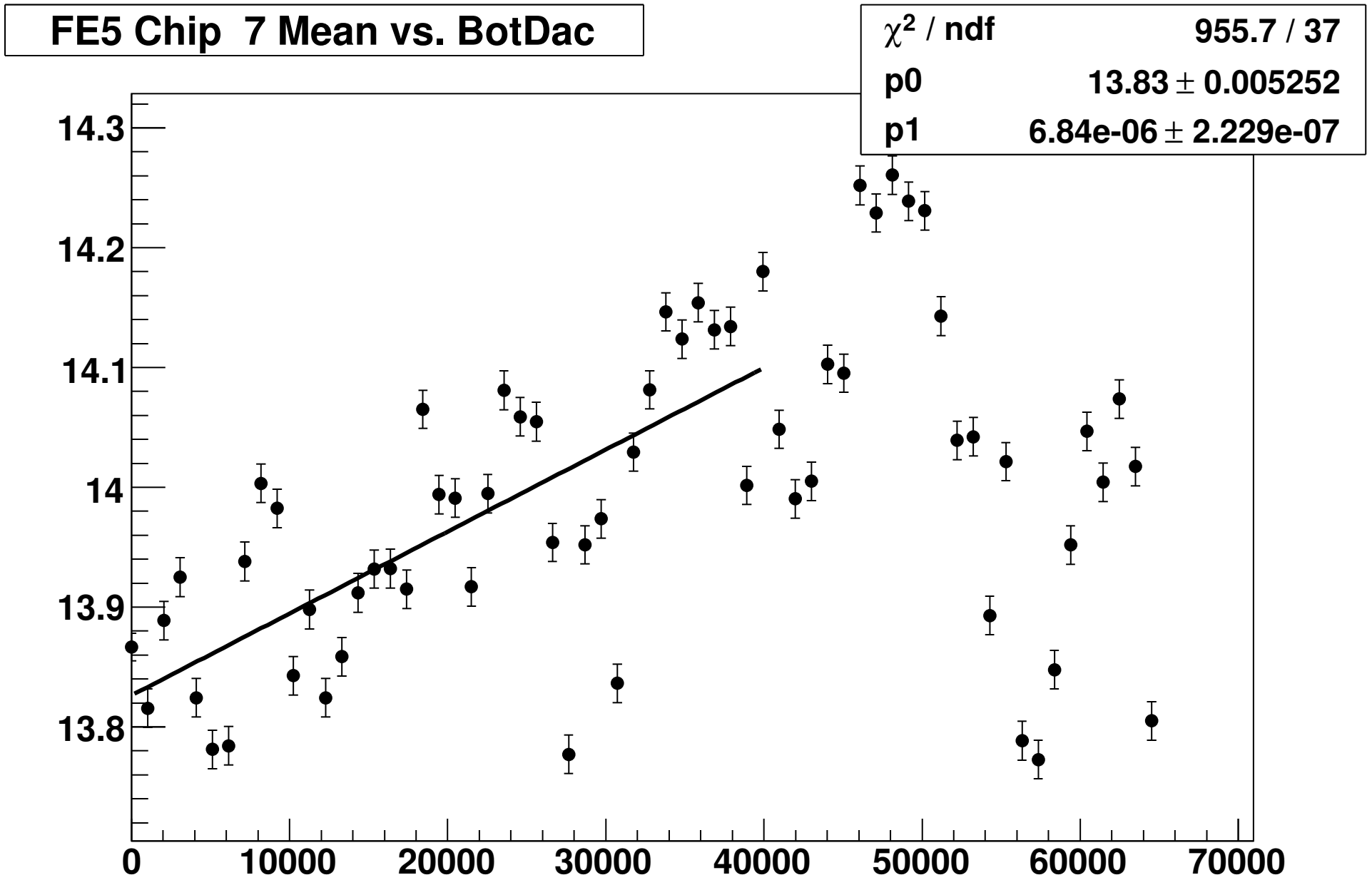
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 955.7 / 37
p0 13.83 ± 0.005252
p1 6.84e-06 ± 2.229e-07
14.3
14.2
14.1
14
13.9
13.8
0
10000
20000
30000
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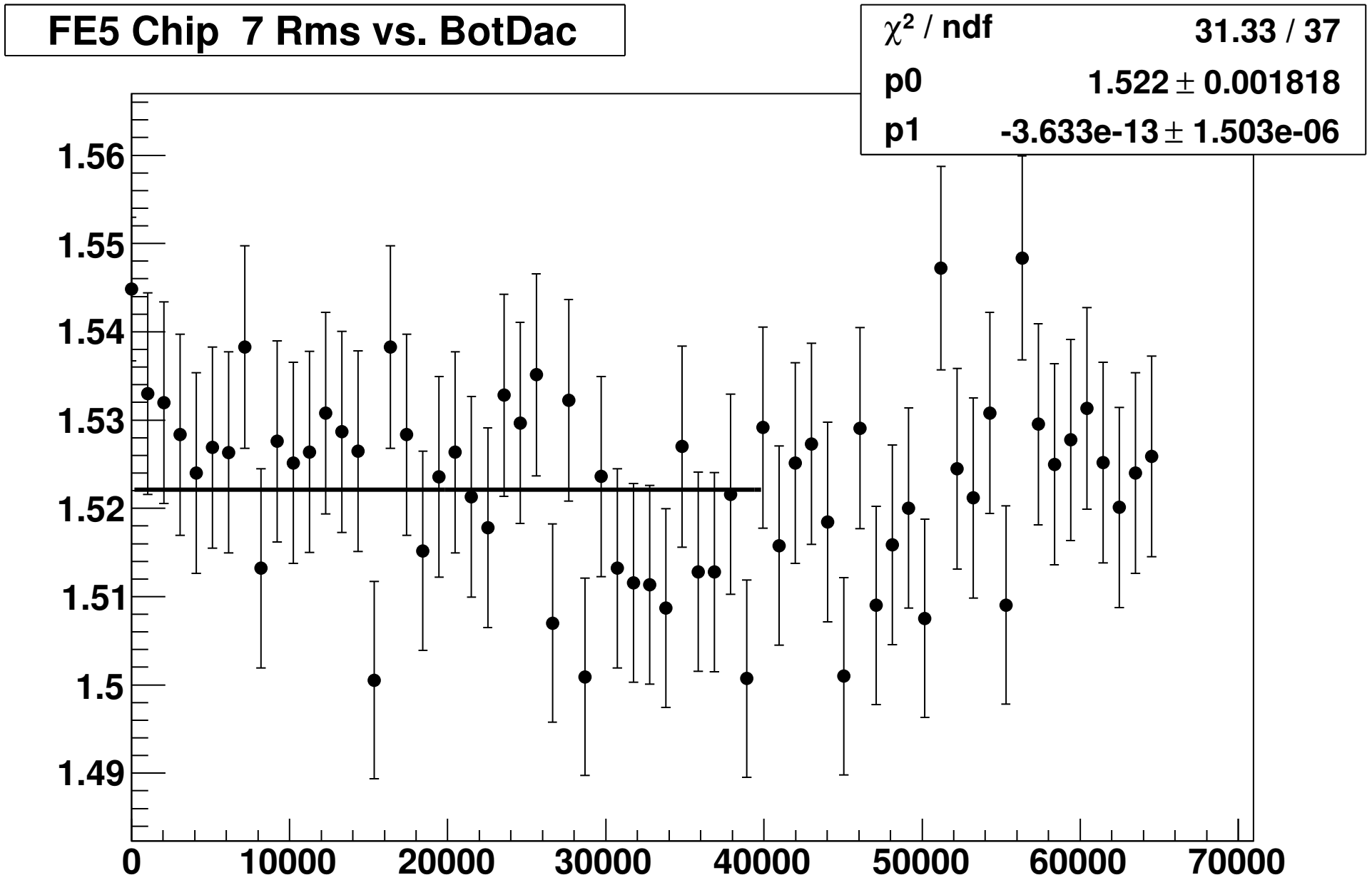
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 31.33 / 37
p0 1.522 ± 0.001818
p1 -3.633e-13 ± 1.503e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
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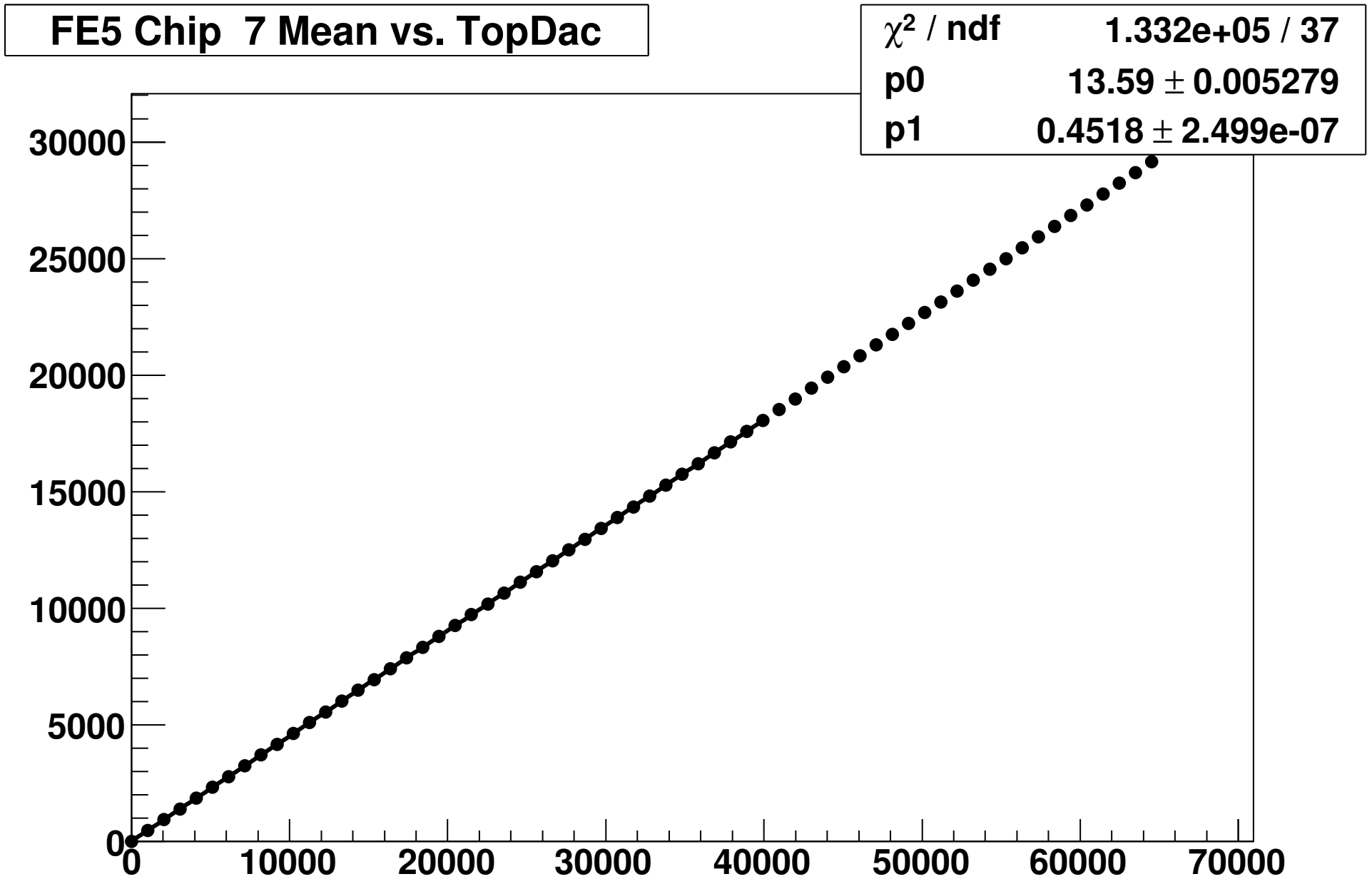
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.332e+05 / 37
p0 13.59 ± 0.005279
p1 0.4518 ± 2.499e-07
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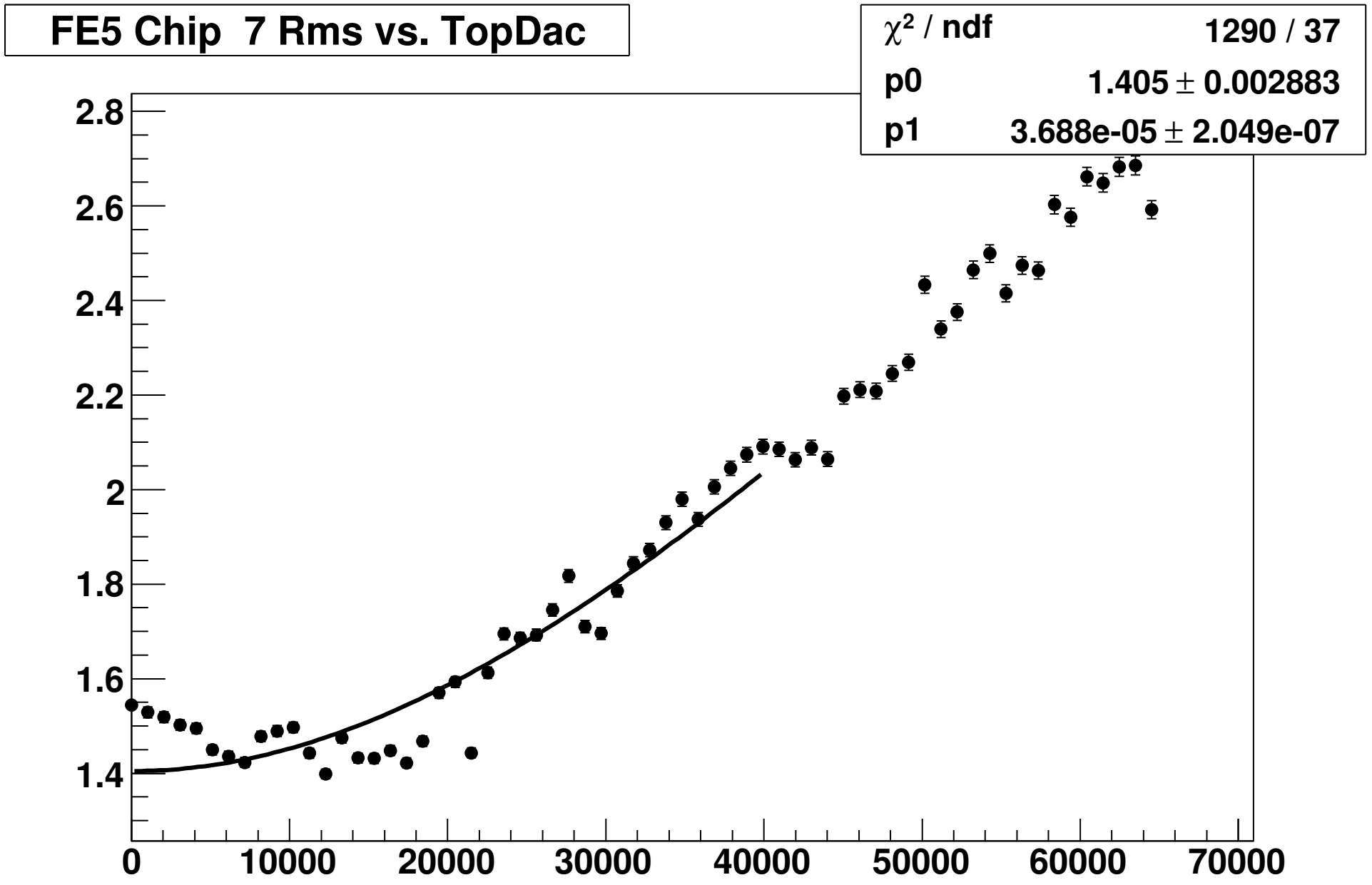
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1290 / 37
p0 1.405 ± 0.002883
p1 3.688e-05 ± 2.049e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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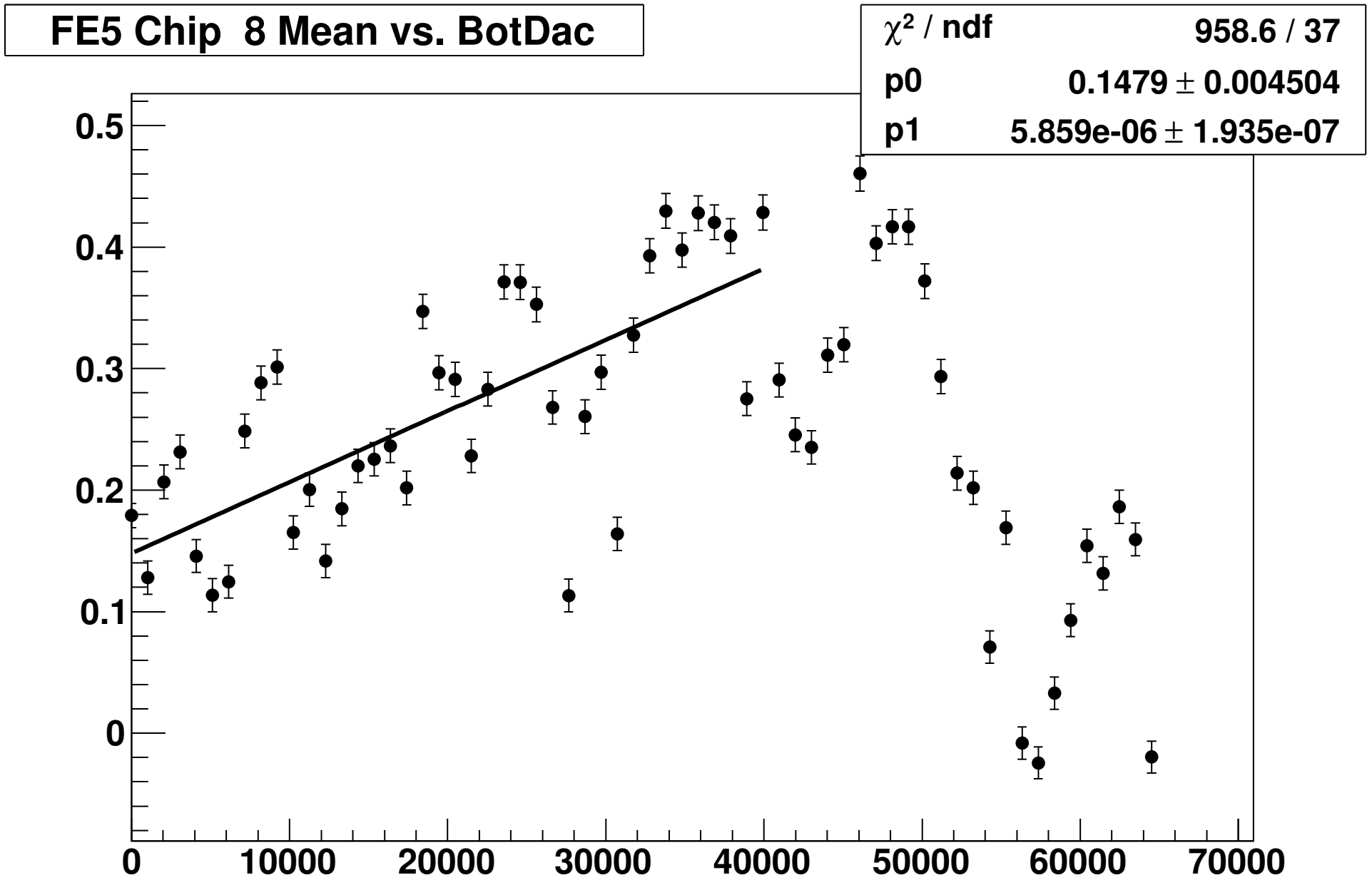
FE5 Chip 8 Mean vs. BotDac
χ² / ndf 958.6 / 37
p0 0.1479 ± 0.004504
p1 5.859e-06 ± 1.935e-07
0.5
0.4
0.3
0.2
0.1
0
0
10000
20000
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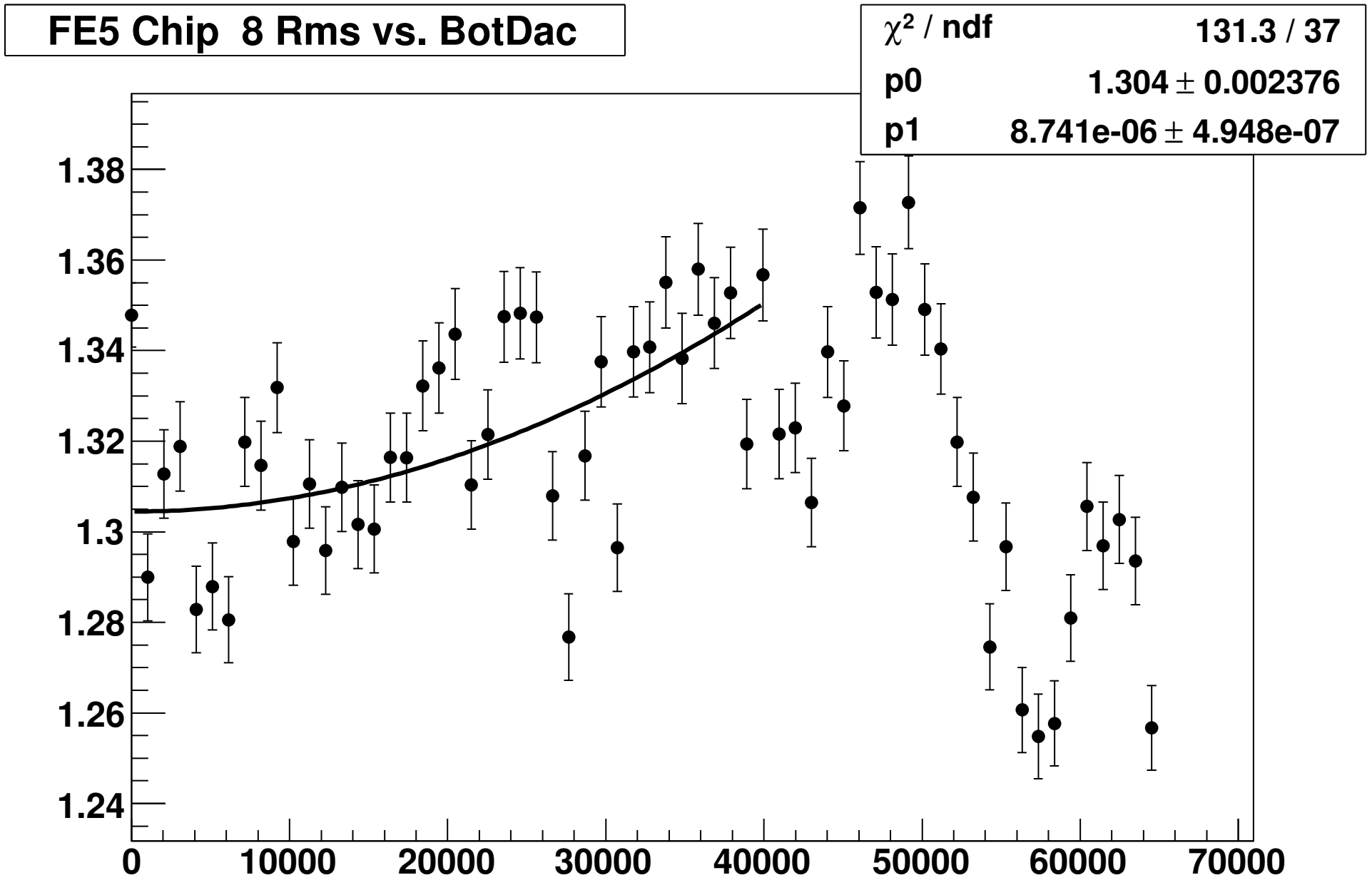
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 131.3 / 37
p0 1.304 ± 0.002376
p1 8.741e-06 ± 4.948e-07
1.38
1.36
1.34
1.32
1.3
1.28
1.26
1.24
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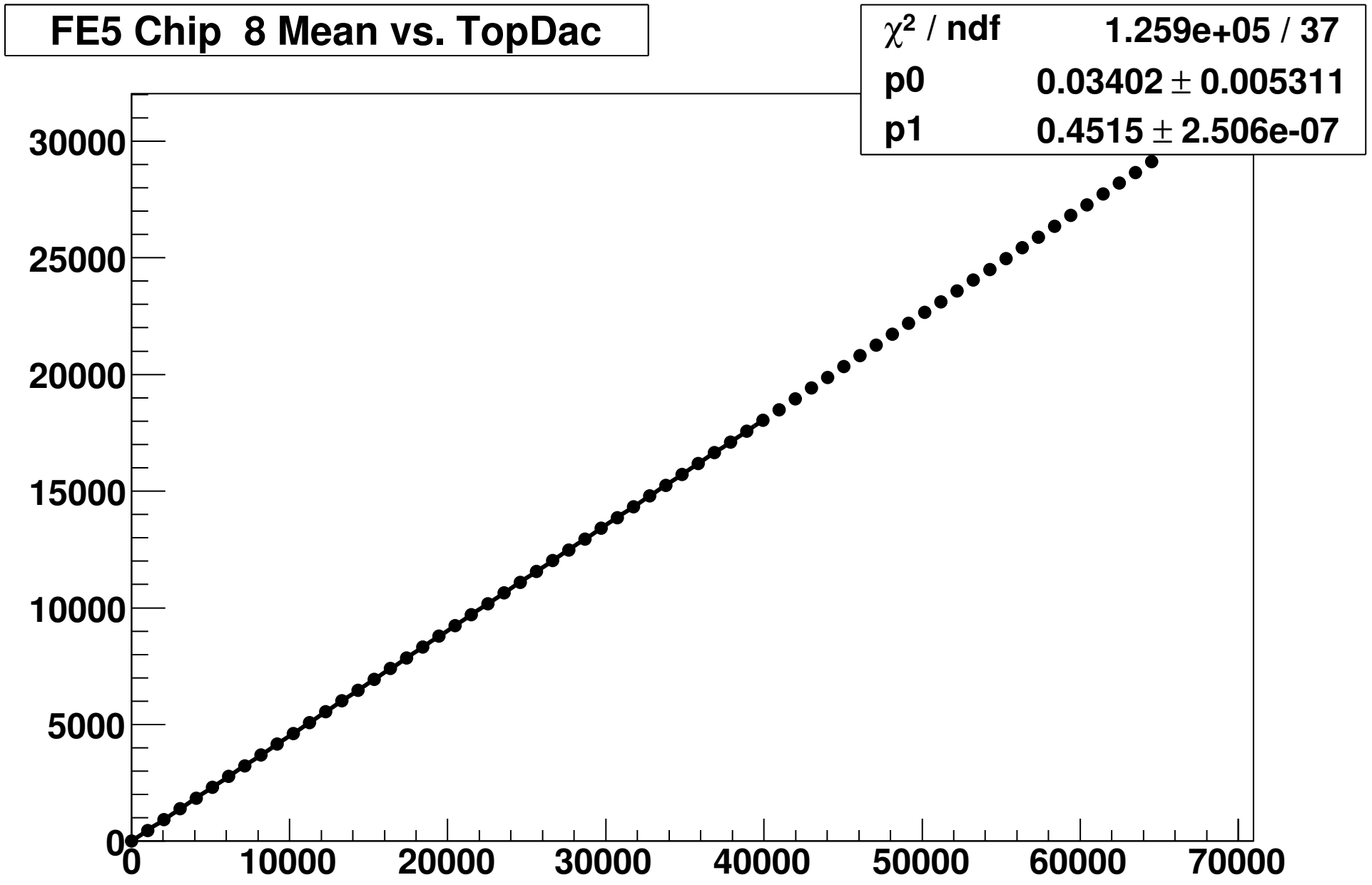
FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.259e+05 / 37
p0 0.03402 ± 0.005311
p1 0.4515 ± 2.506e-07
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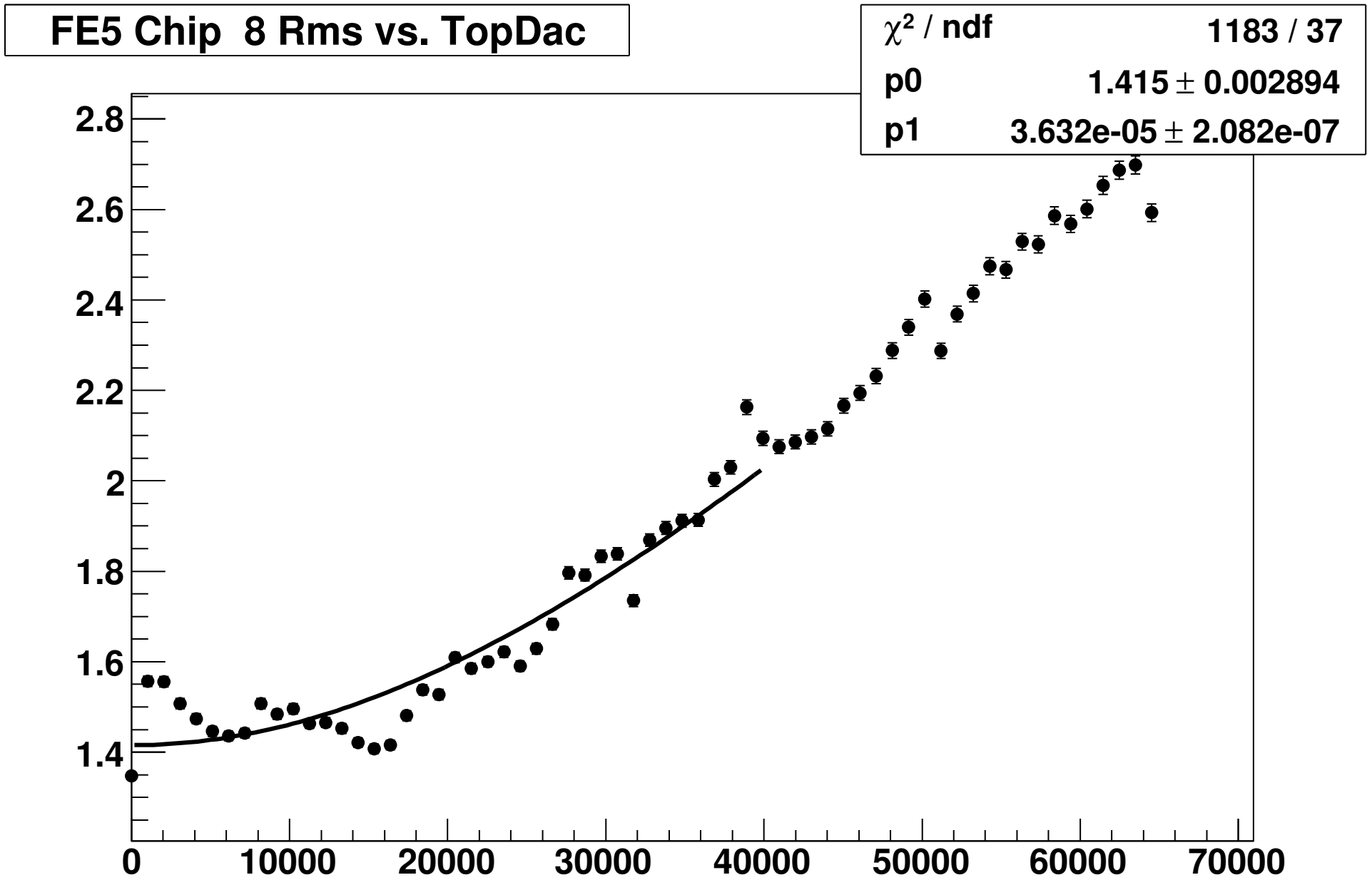
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1183 / 37
p0 1.415 ± 0.002894
p1 3.632e-05 ± 2.082e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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10000
20000
30000
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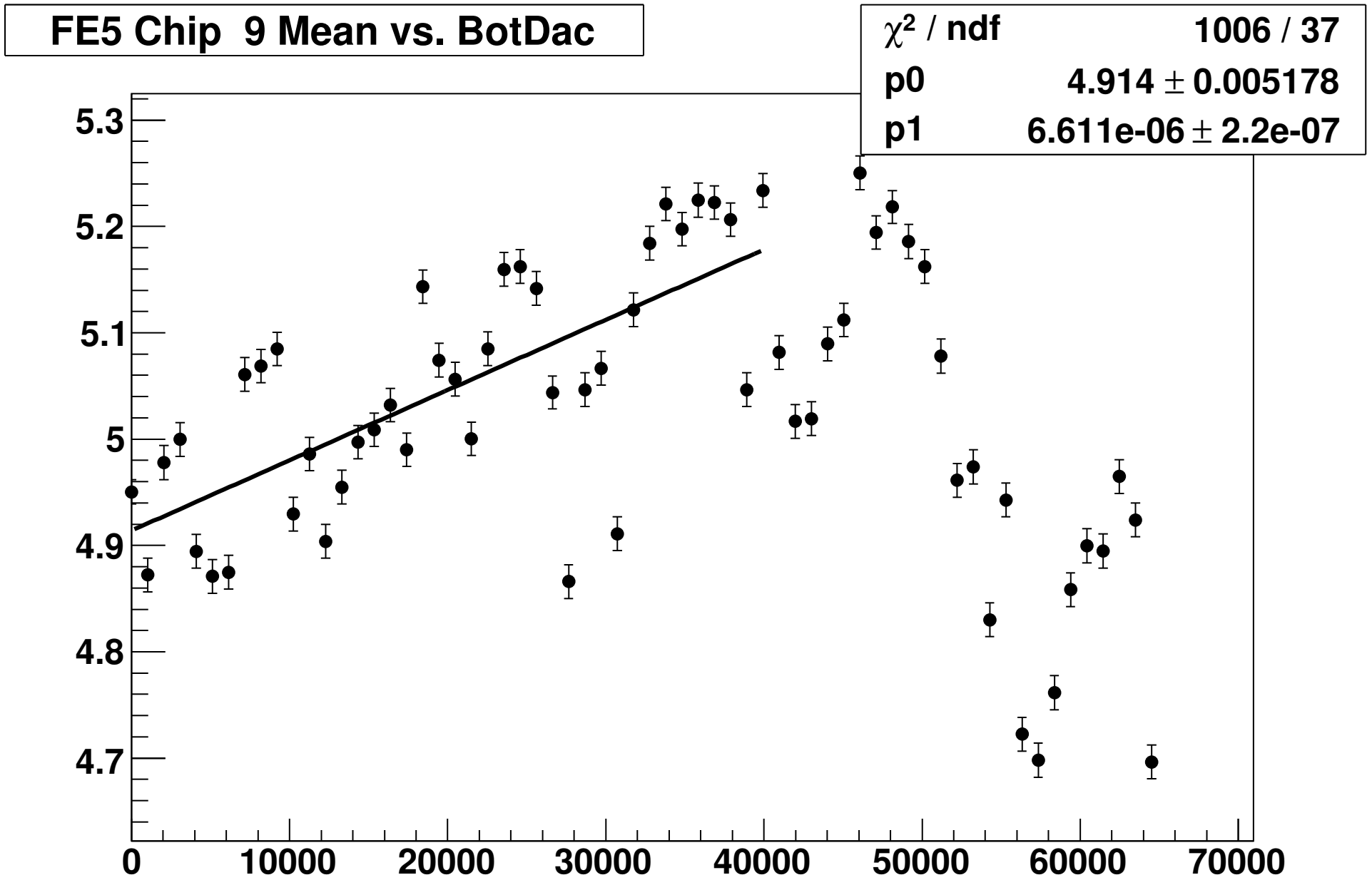
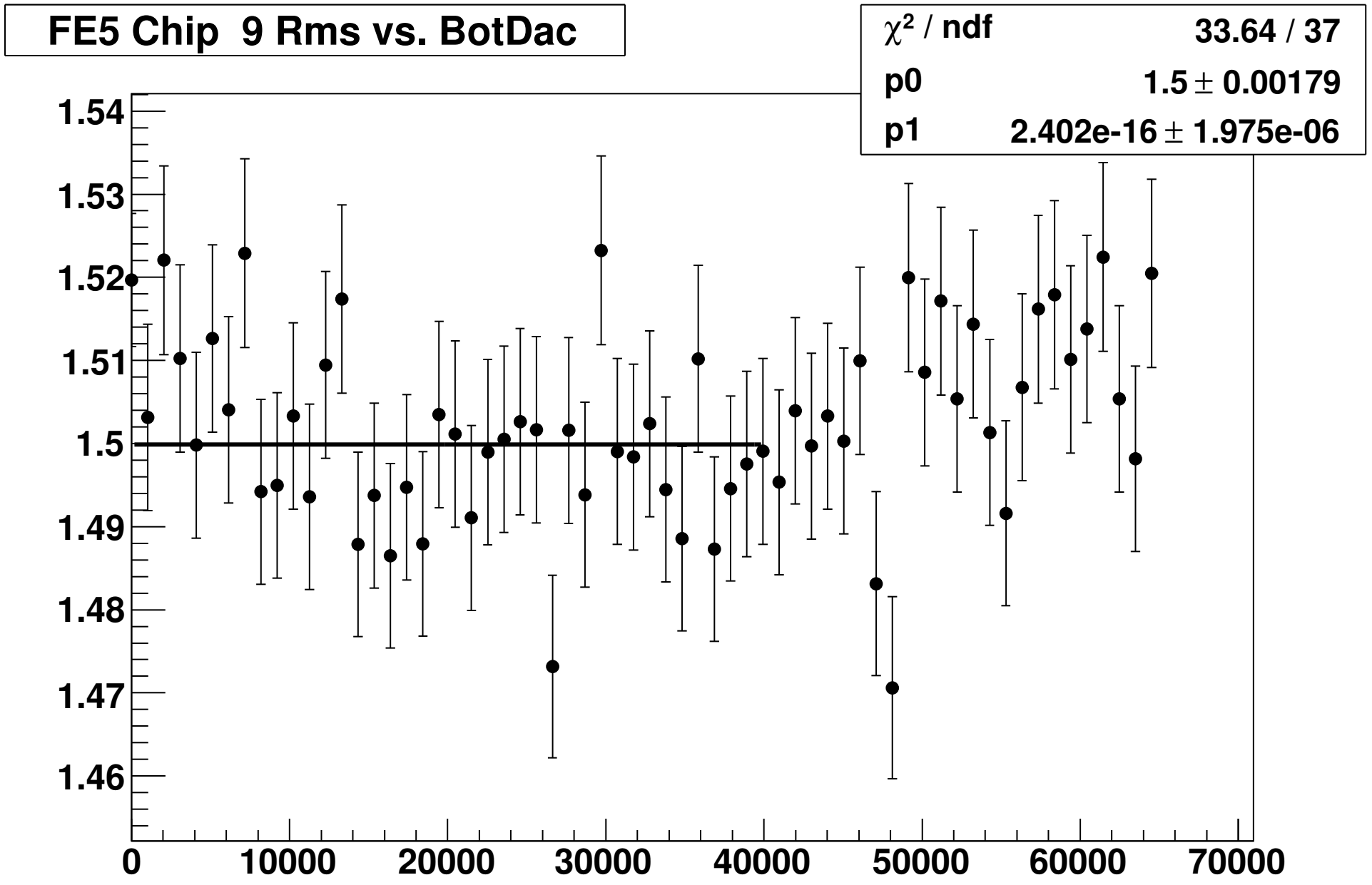
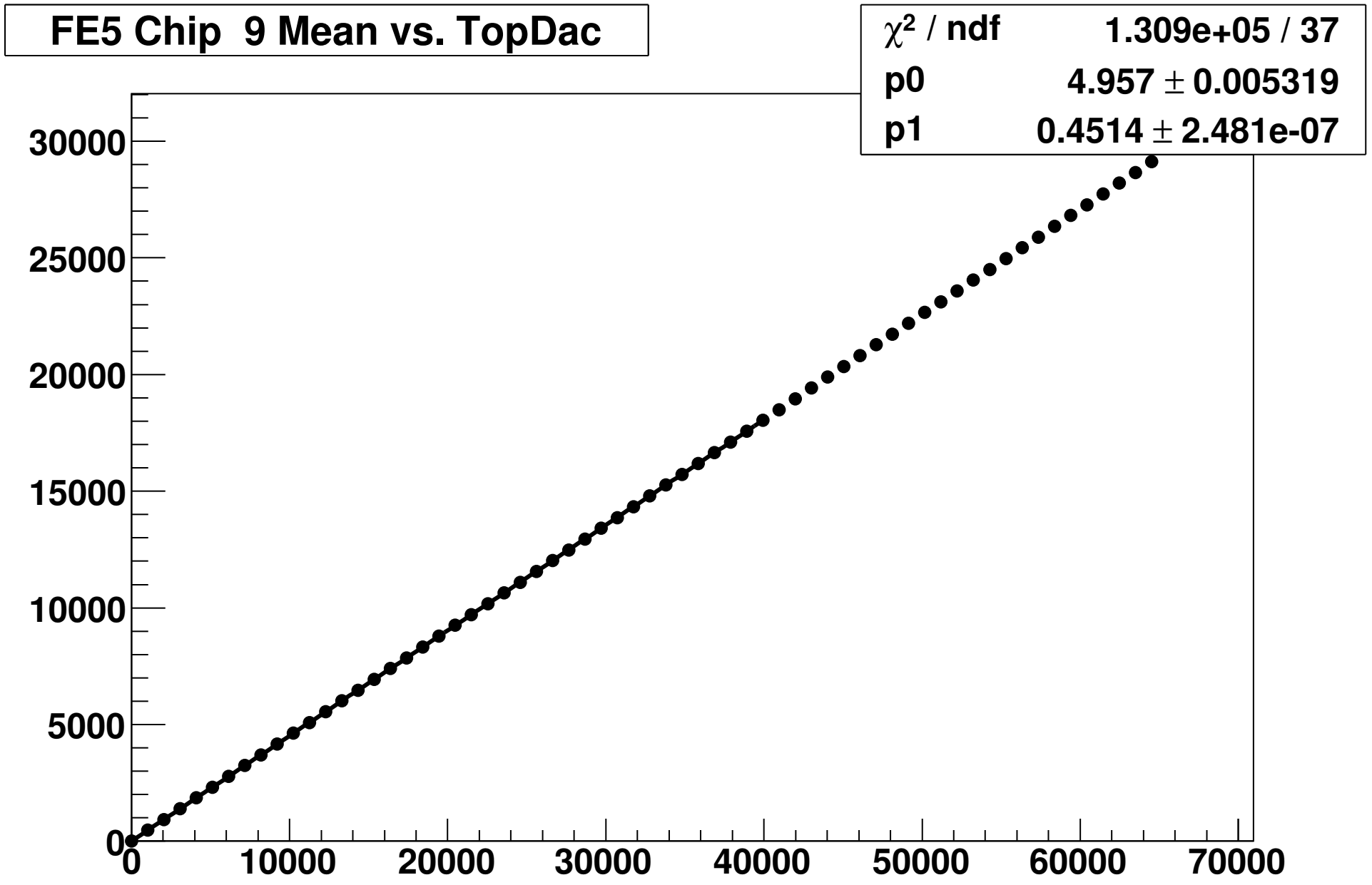

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 1006 / 37
p0 4.914 ± 0.005178
p1 6.611e-06 ± 2.2e-07
5.3
5.2
5.1
5
4.9
4.8
4.7
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 33.64 / 37
p0 1.5 ± 0.00179
p1 2.402e-16 ± 1.975e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.309e+05 / 37
p0 4.957 ± 0.005319
p1 0.4514 ± 2.481e-07
30000
25000
20000
15000
10000
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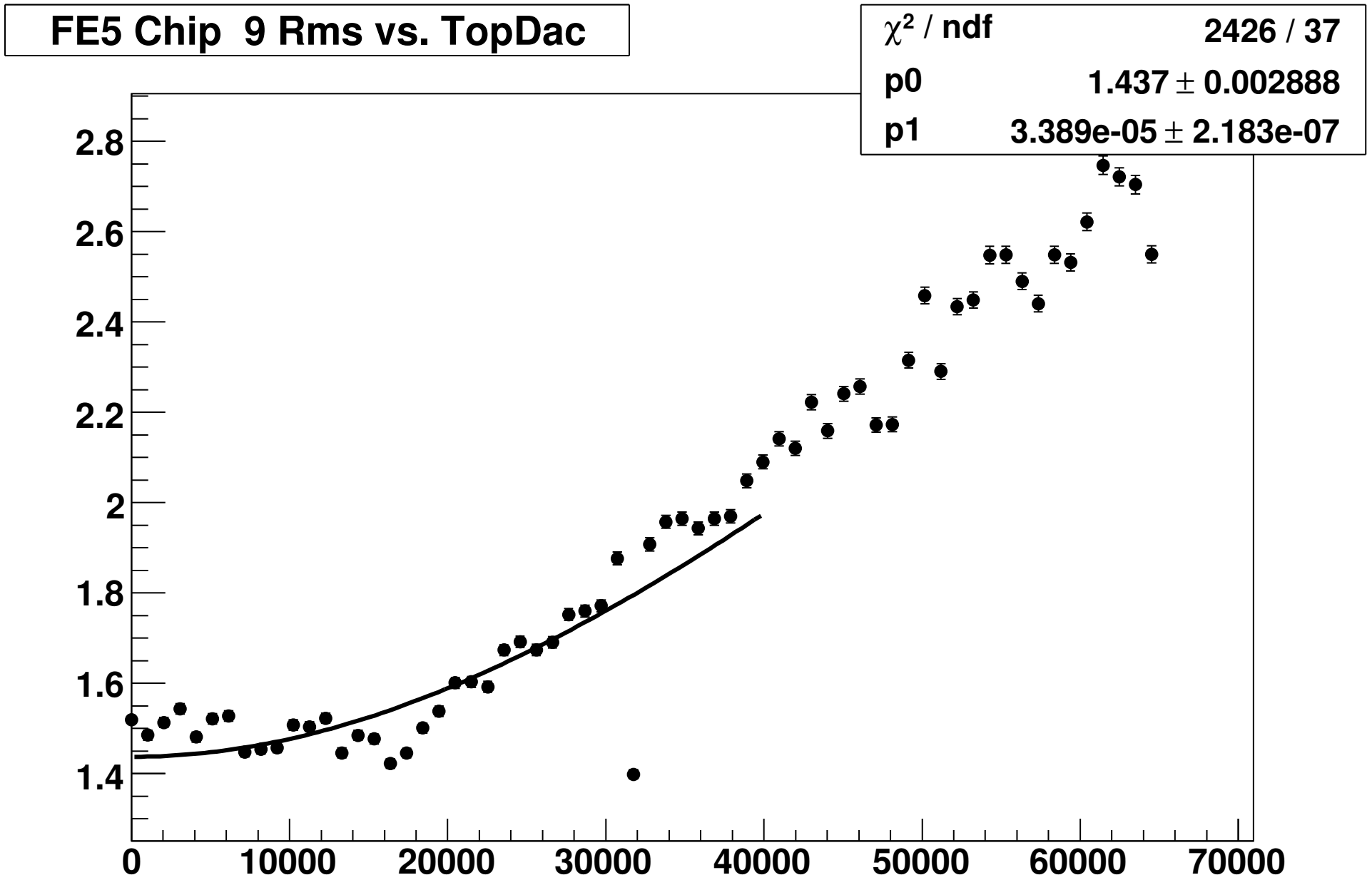
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 2426 / 37
p0 1.437 ± 0.002888
p1 3.389e-05 ± 2.183e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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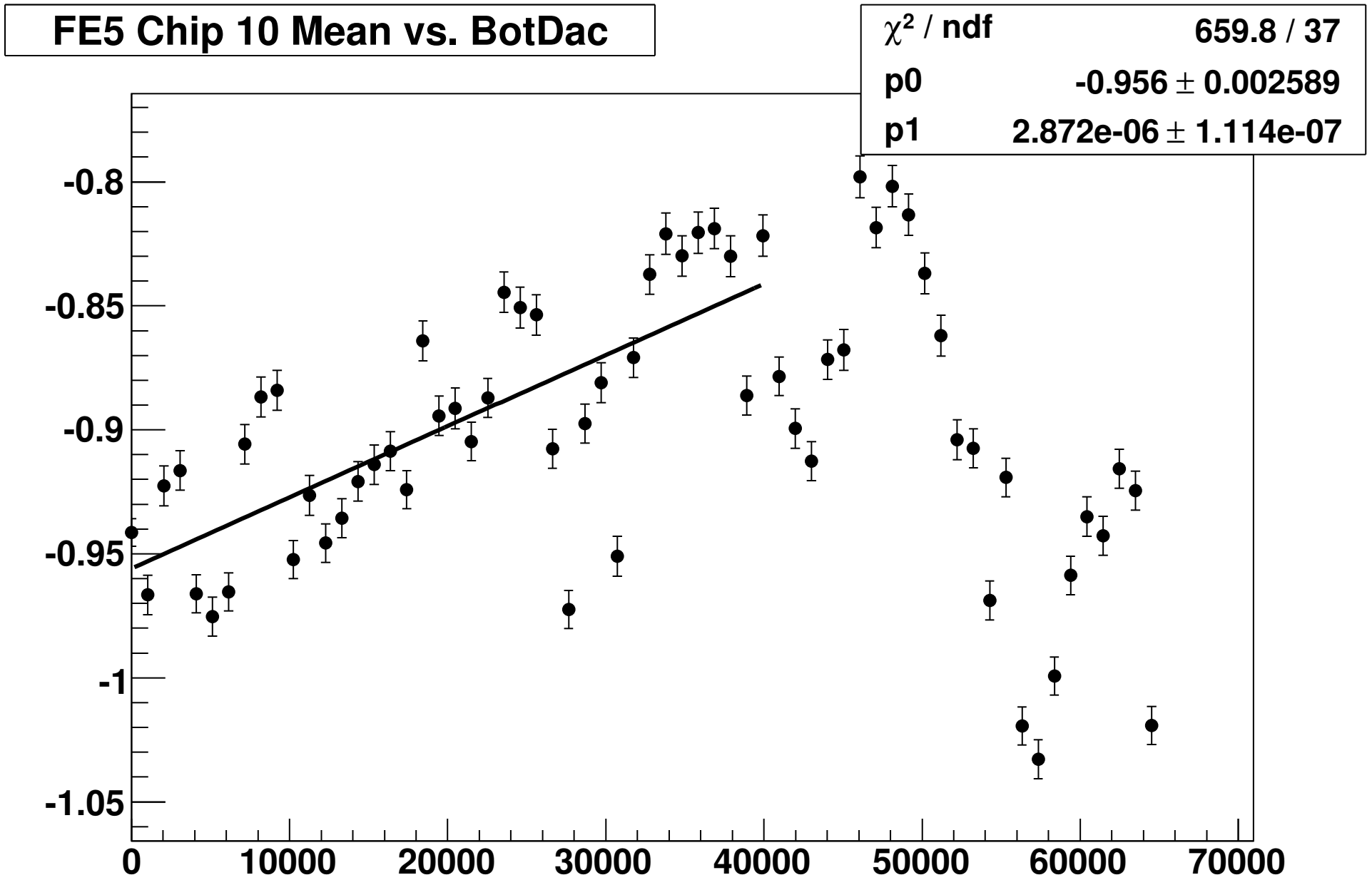
FE5 Chip 10 Mean vs. BotDac
χ² / ndf 659.8 / 37
p0 -0.956 ± 0.002589
p1 2.872e-06 ± 1.114e-07
-0.8
-0.85
-0.9
-0.95
-1
-1.05
0
10000
20000
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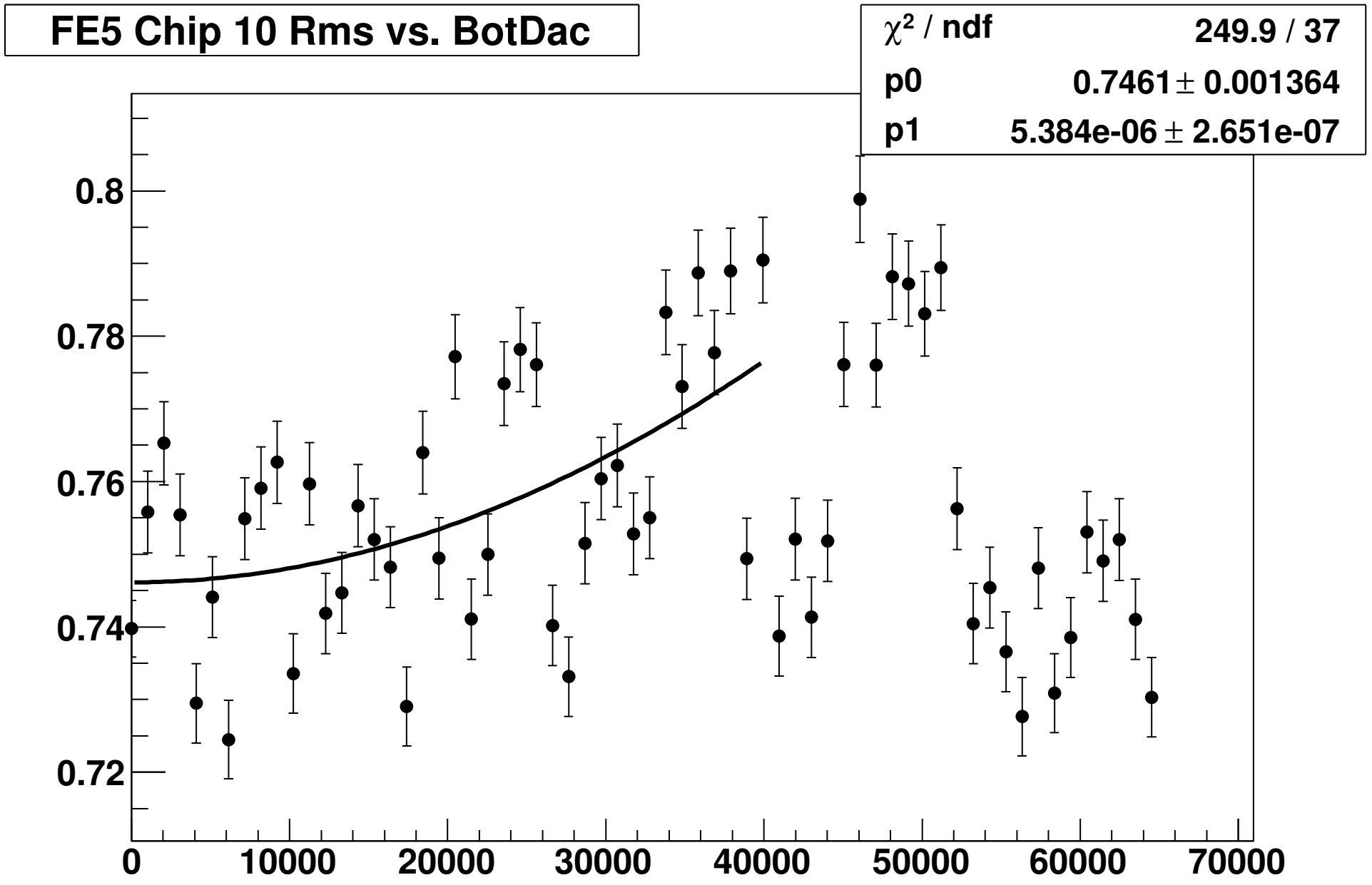
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 249.9 / 37
p0 0.7461 ± 0.001364
p1 5.384e-06 ± 2.651e-07
0.8
0.78
0.76
0.74
0.72
0
10000
20000
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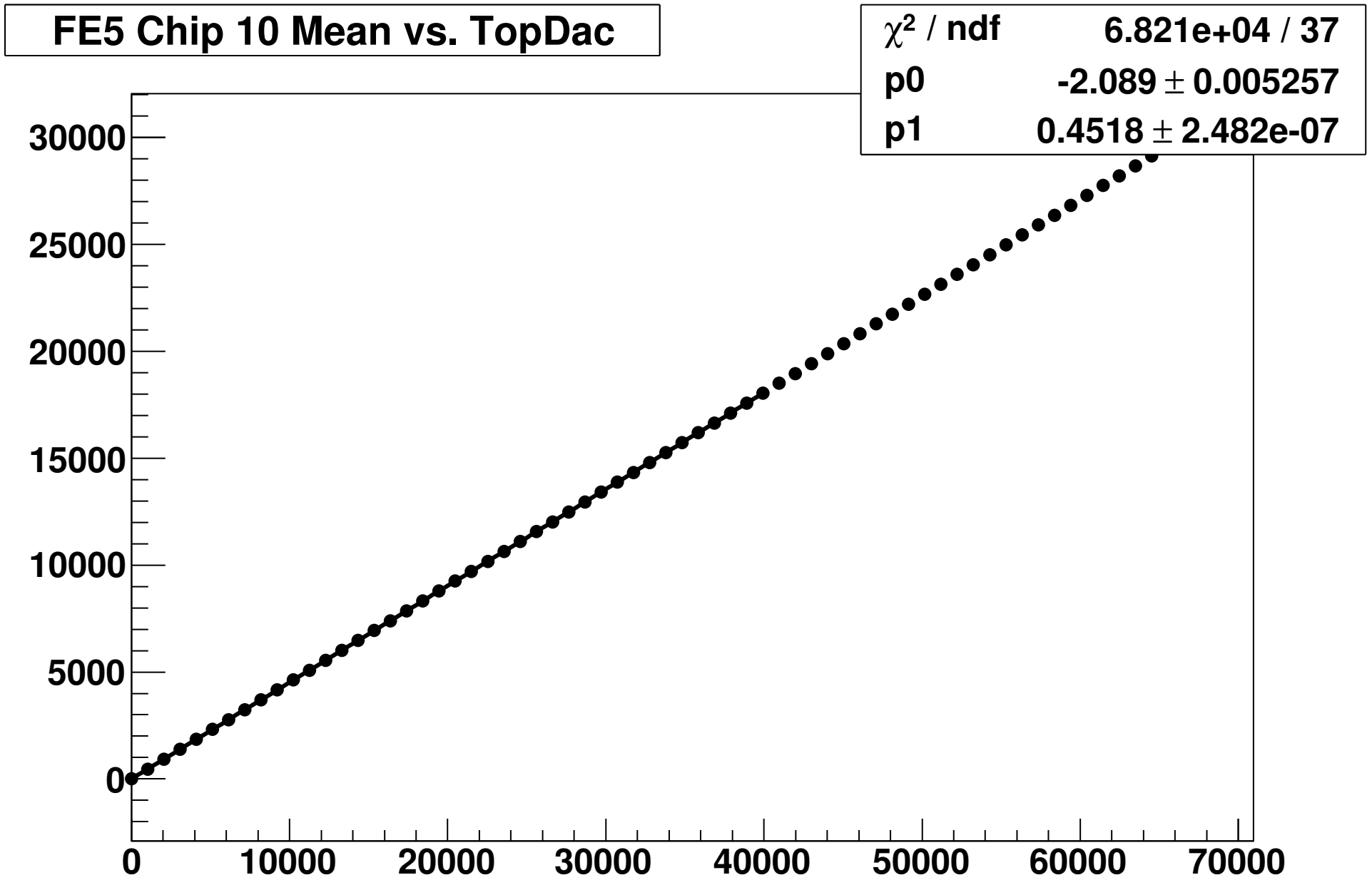
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 6.821e+04 / 37
p0 -2.089 ± 0.005257
p1 0.4518 ± 2.482e-07
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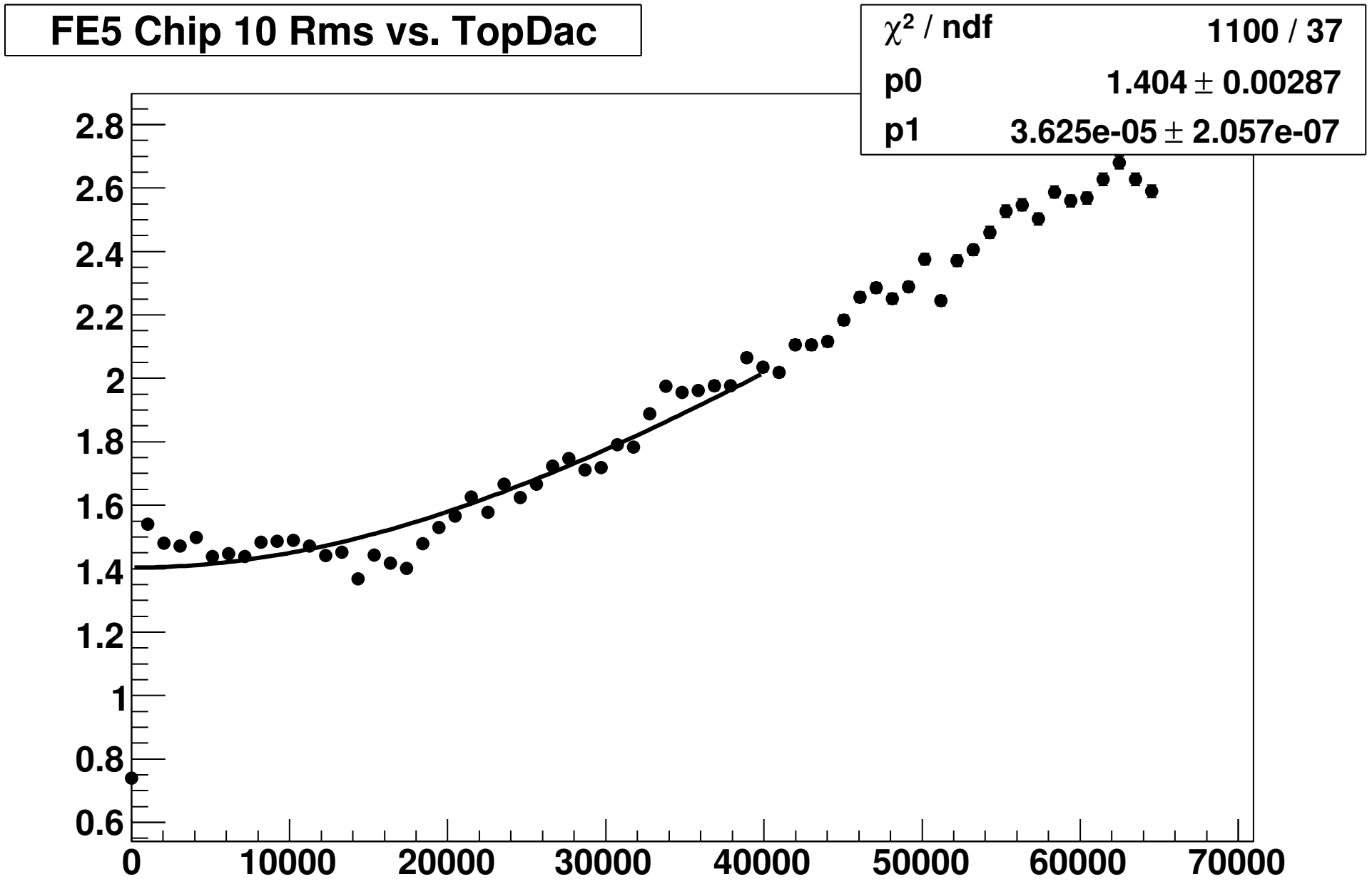
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1100 / 37
p0 1.404 ± 0.00287
p1 3.625e-05 ± 2.057e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
10000
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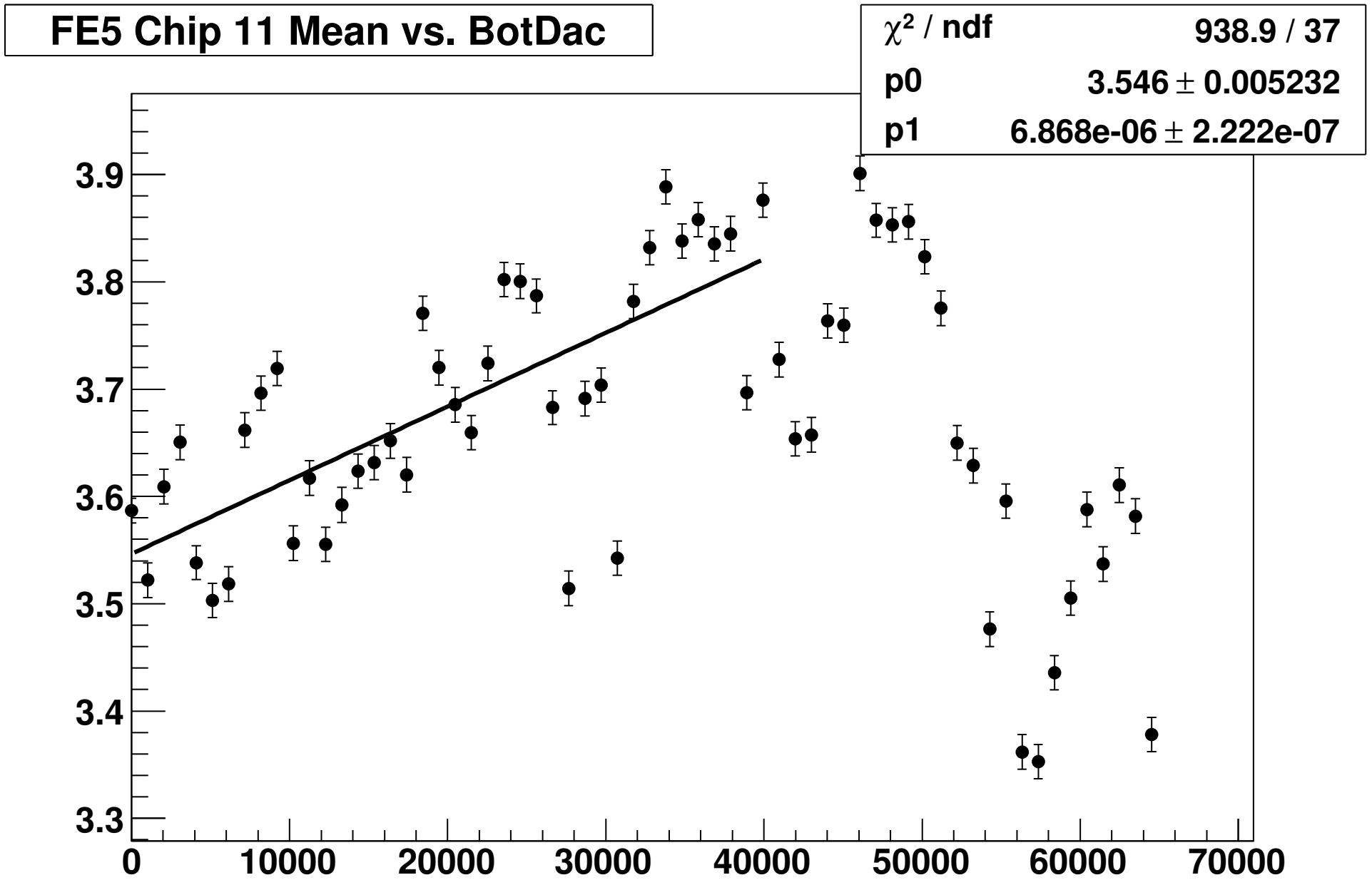
FE5 Chip 11 Mean vs. BotDac
χ² / ndf 938.9 / 37
p0 3.546 ± 0.005232
p1 6.868e-06 ± 2.222e-07
3.9
3.8
3.7
3.6
3.5
3.4
3.3
0
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50000
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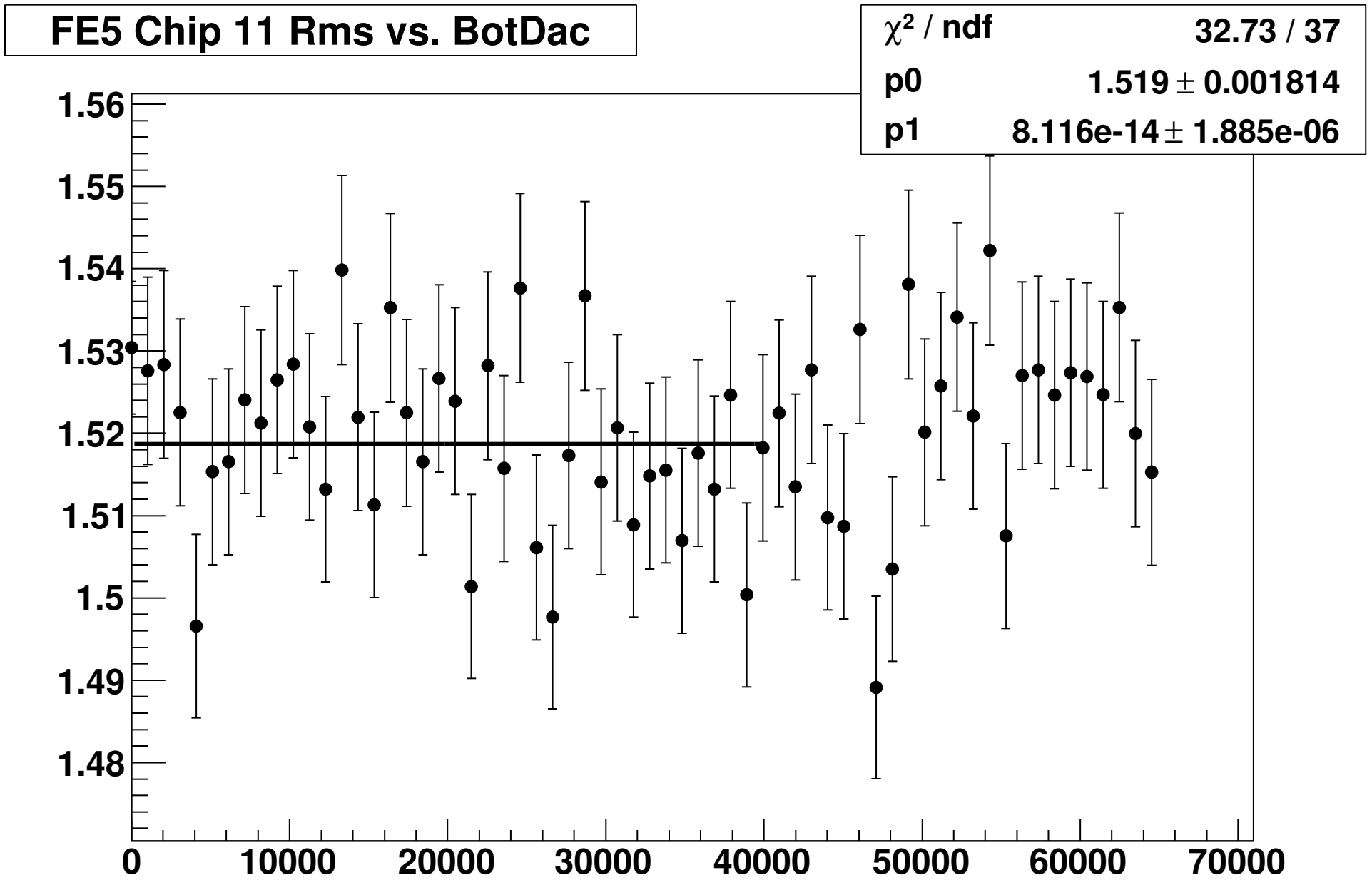
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 32.73 / 37
p0 1.519 ± 0.001814
p1 8.116e-14 ± 1.885e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
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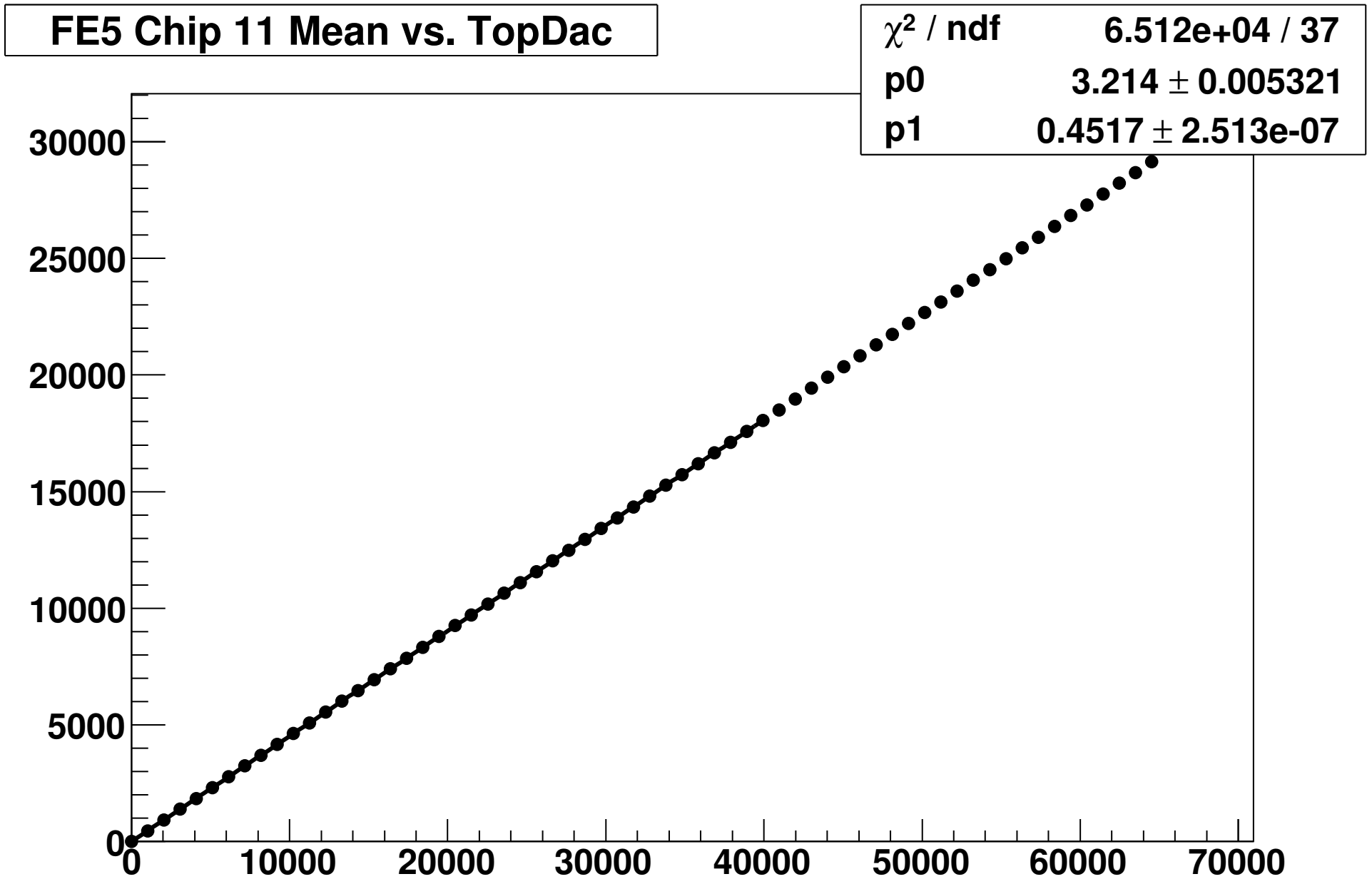
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 6.512e+04 / 37
p0 3.214 ± 0.005321
p1 0.4517 ± 2.513e-07
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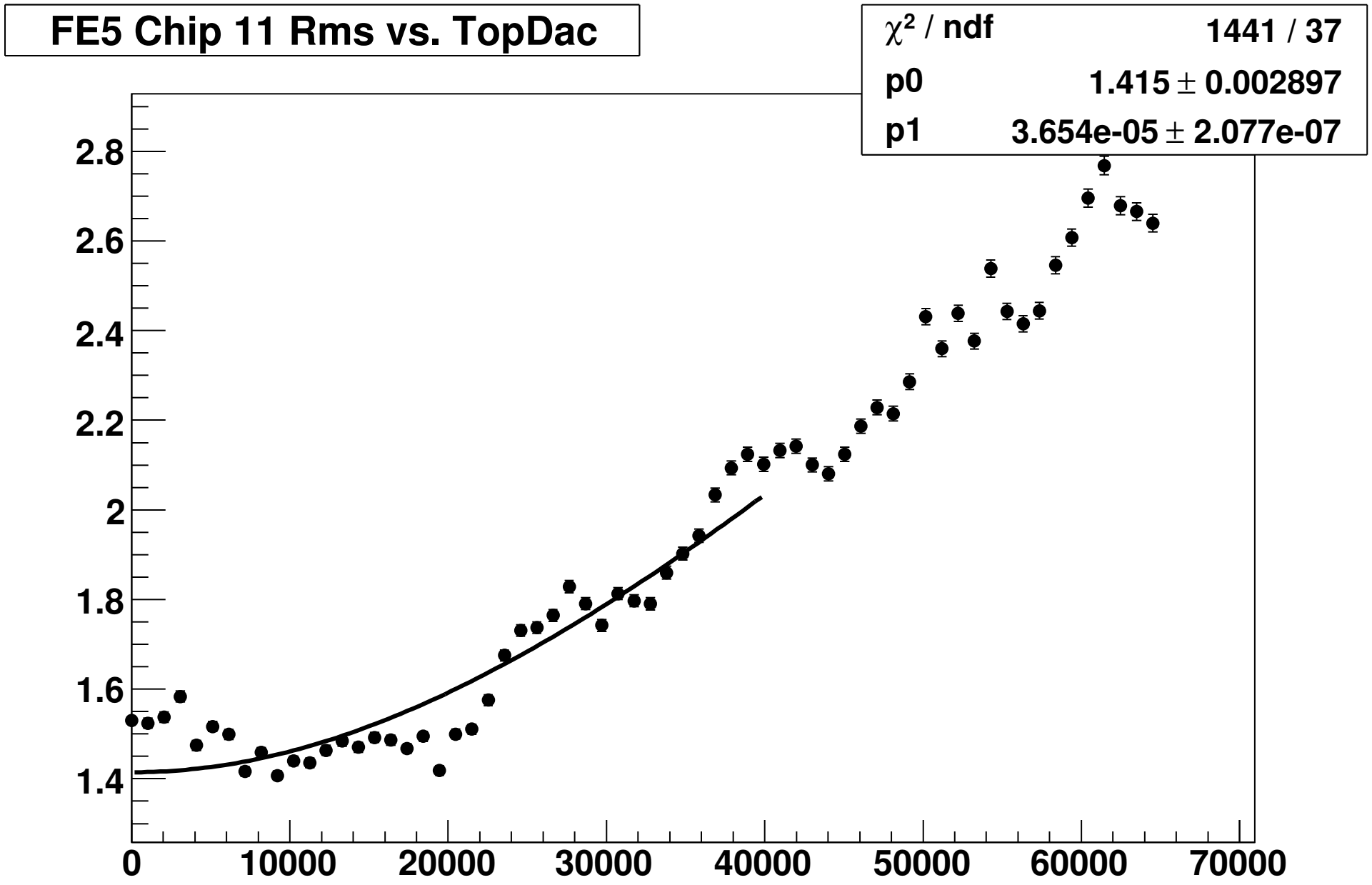
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1441 / 37
p0 1.415 ± 0.002897
p1 3.654e-05 ± 2.077e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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30000
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50000
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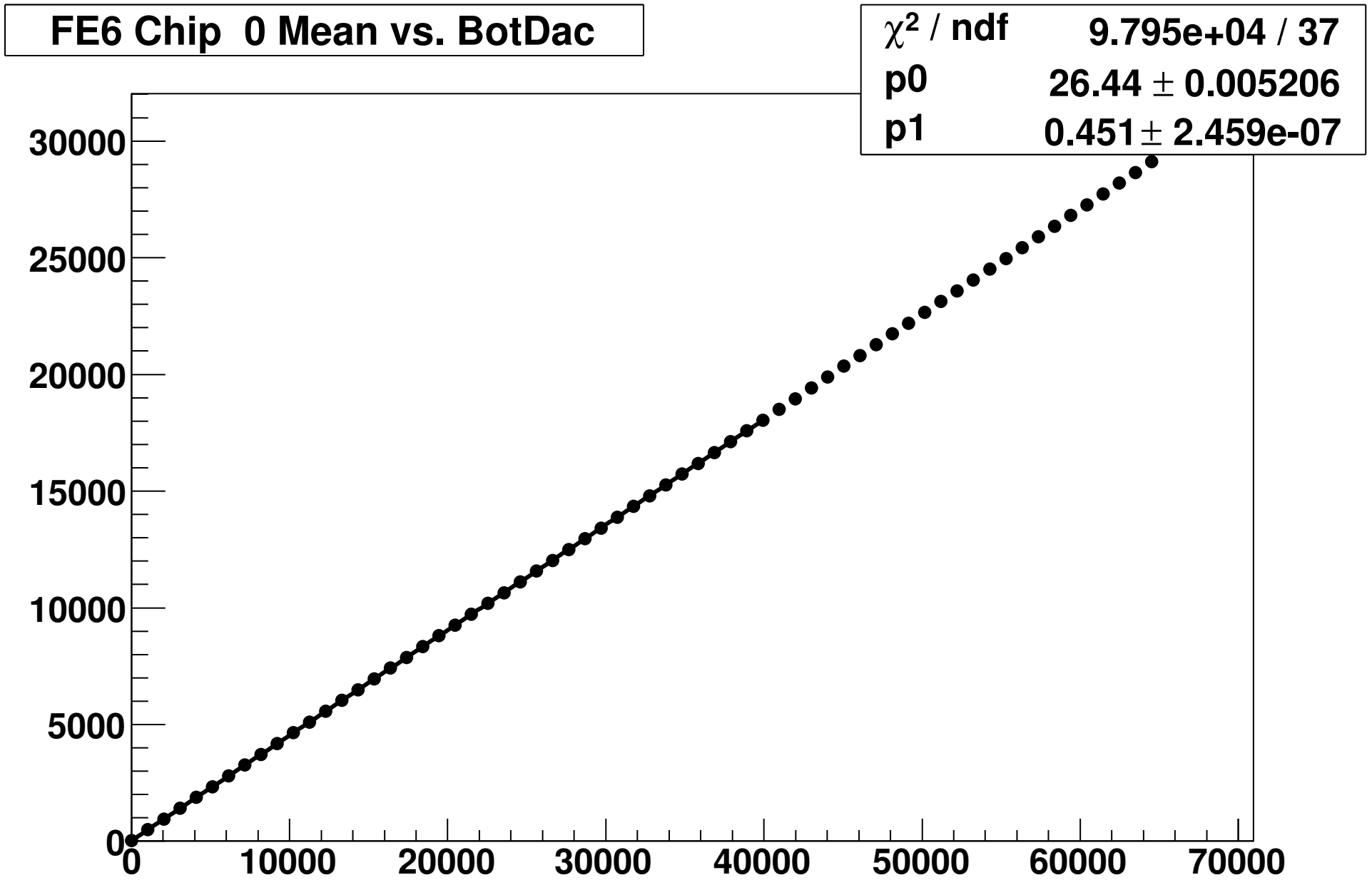
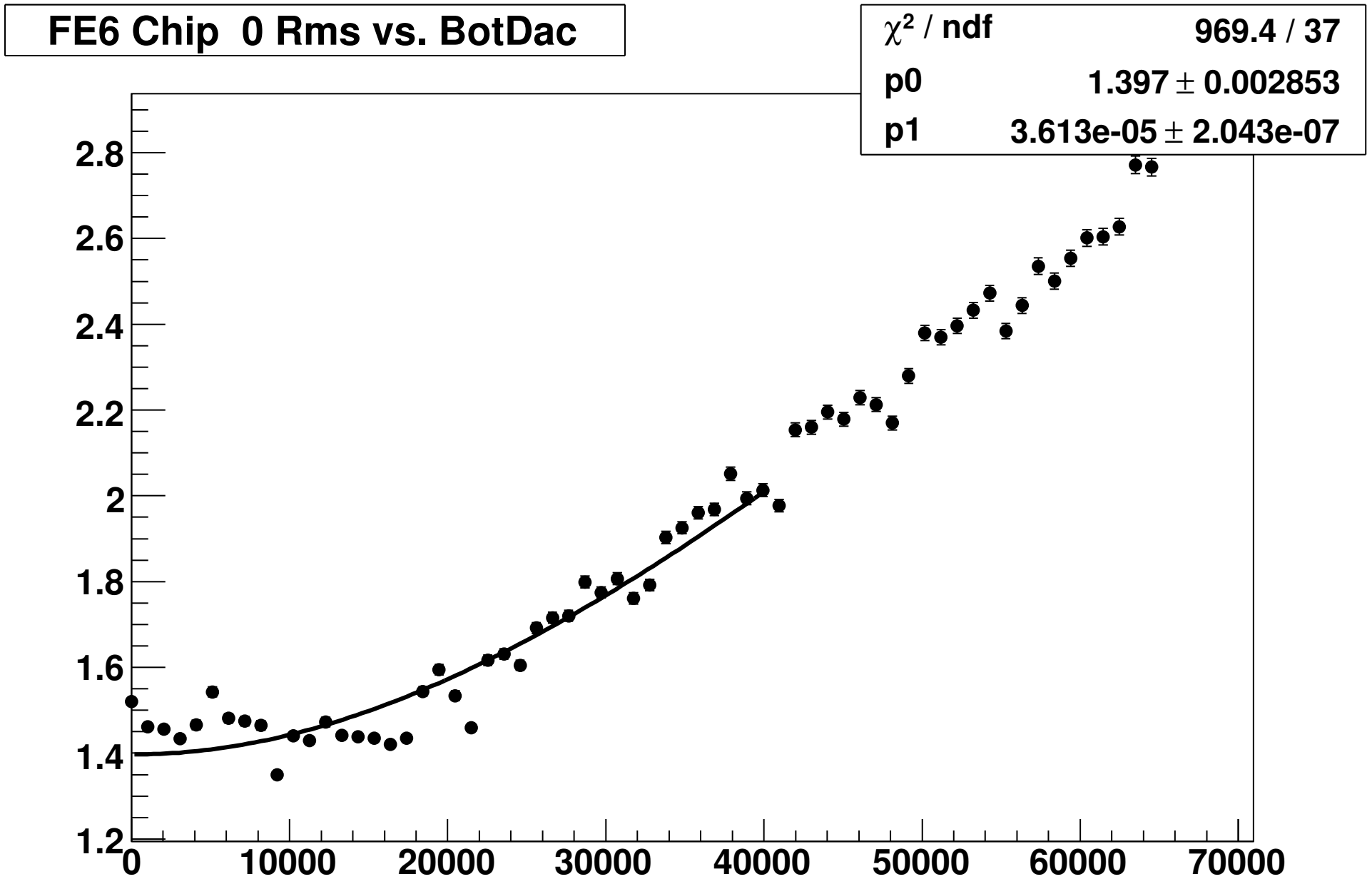
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 9.795e+04 / 37
p0 26.44 ± 0.005206
p1 0.451 ± 2.459e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 969.4 / 37
p0 1.397 ± 0.002853
p1 3.613e-05 ± 2.043e-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
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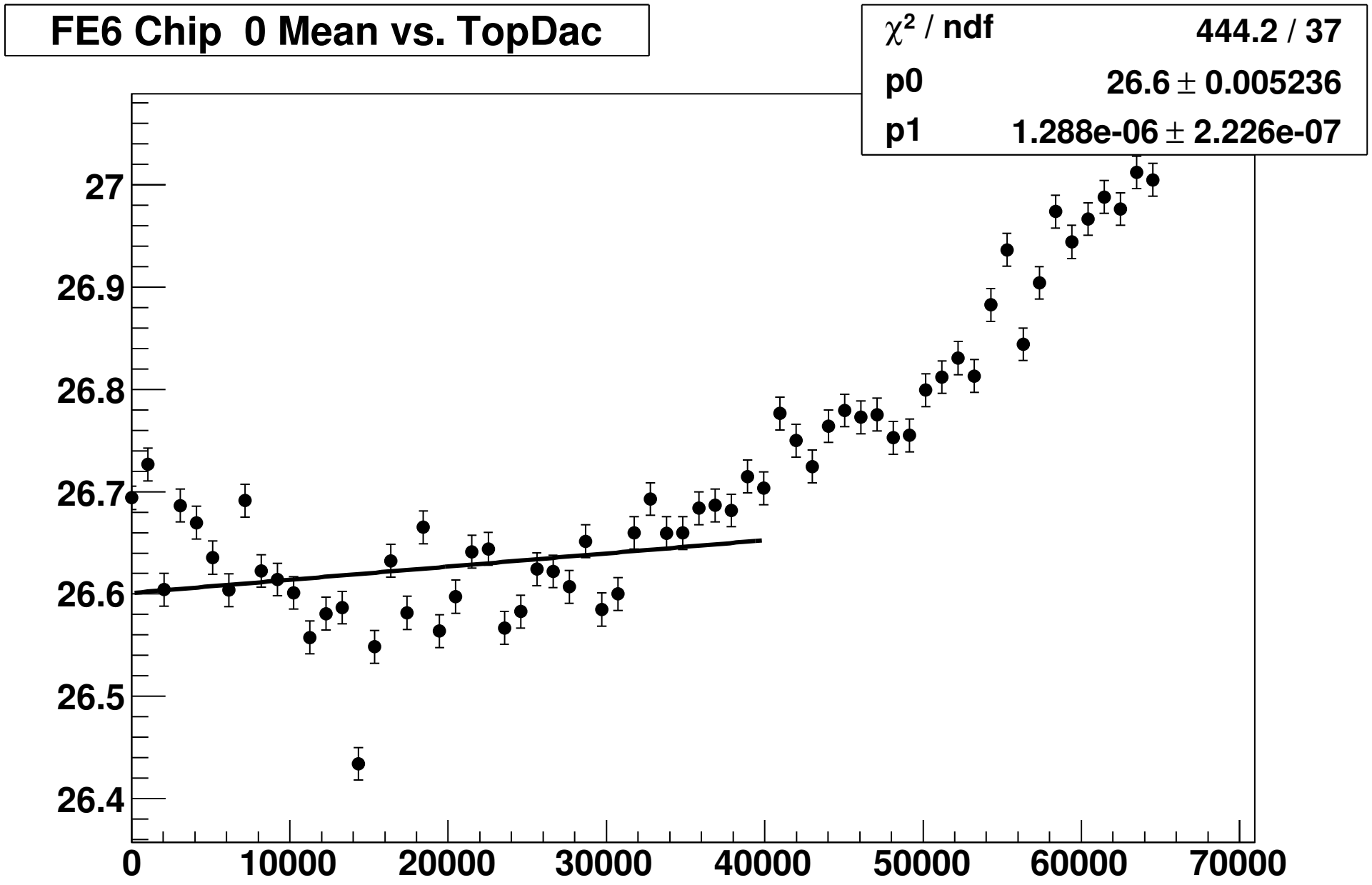
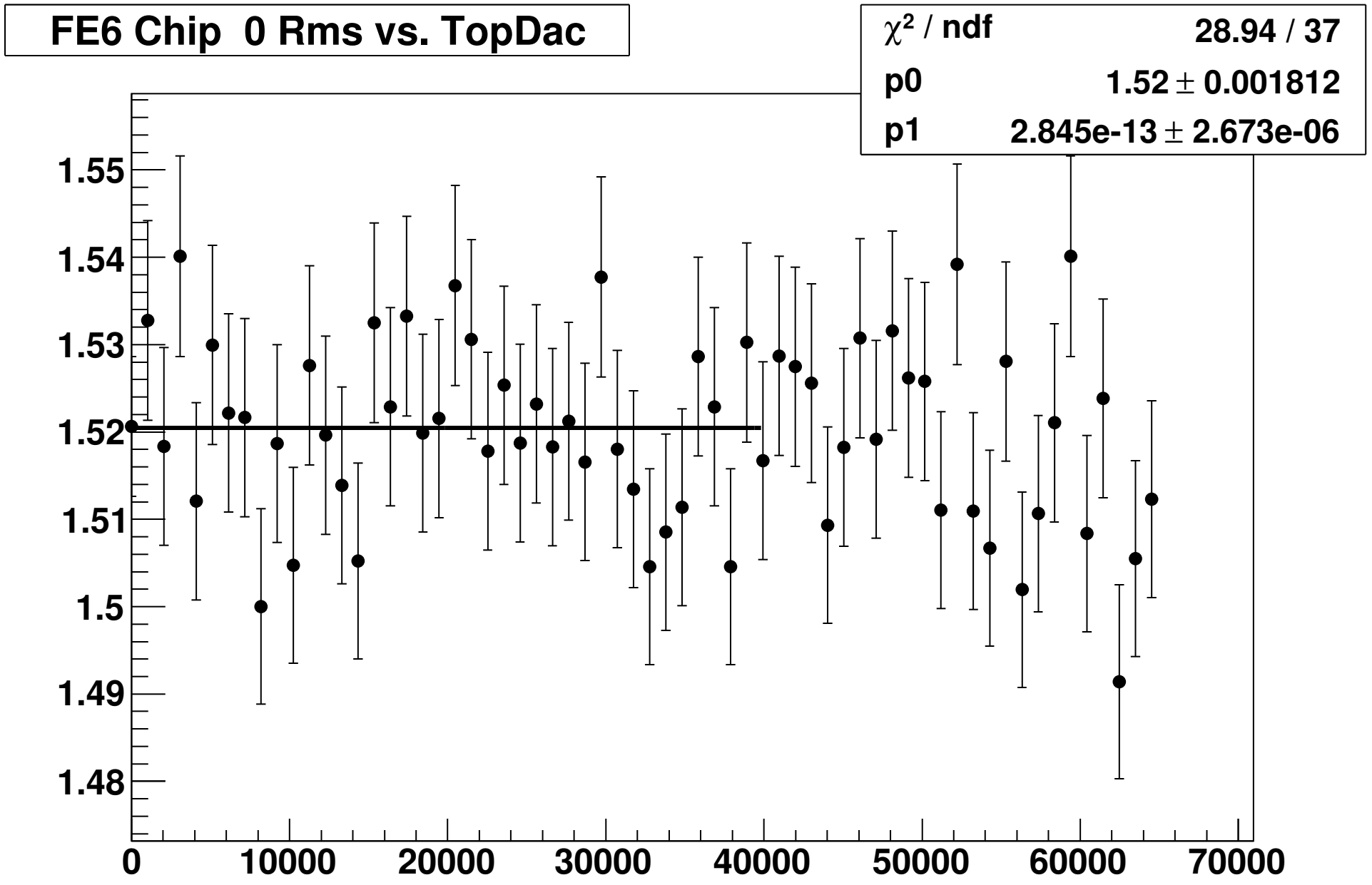
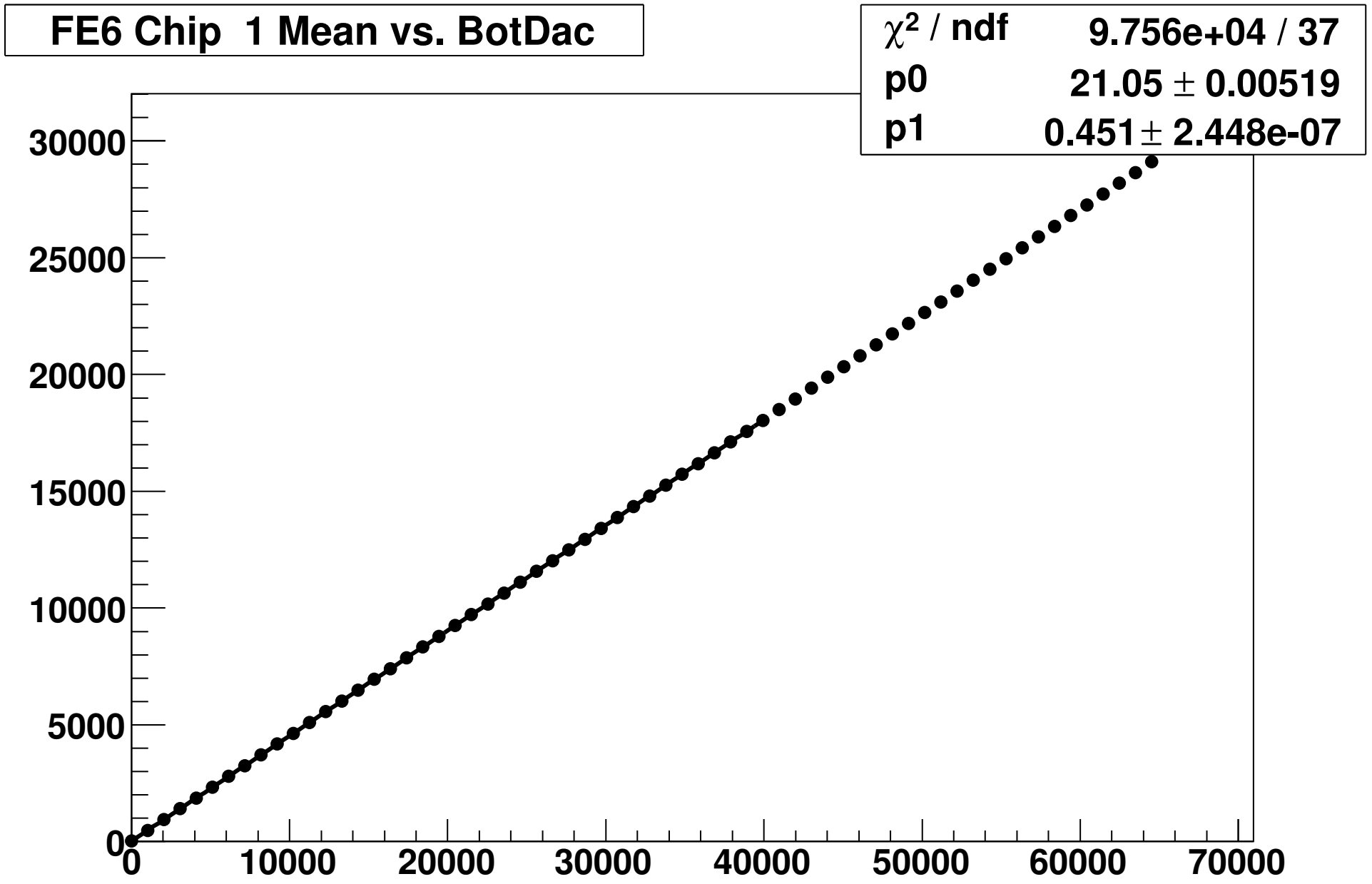

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 444.2 / 37
p0 26.6 ± 0.005236
p1 1.288e-06 ± 2.226e-07
27
26.9
26.8
26.7
26.6
26.5
26.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 28.94 / 37
p0 1.52 ± 0.001812
p1 2.845e-13 ± 2.673e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 9.756e+04 / 37
p0 21.05 ± 0.00519
p1 0.451 ± 2.448e-07
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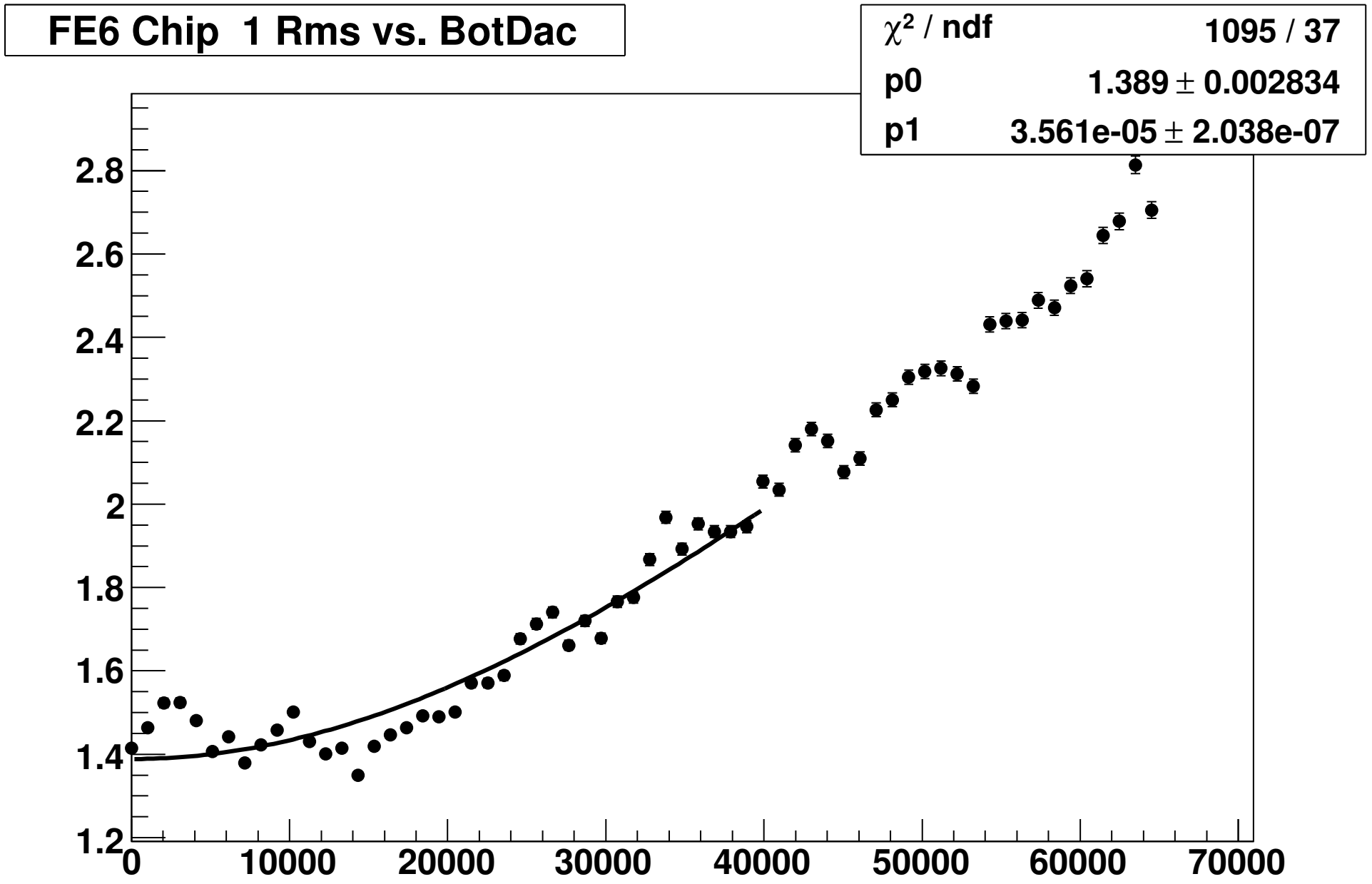
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1095 / 37
p0 1.389 ± 0.002834
p1 3.561e-05 ± 2.038e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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30000
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50000
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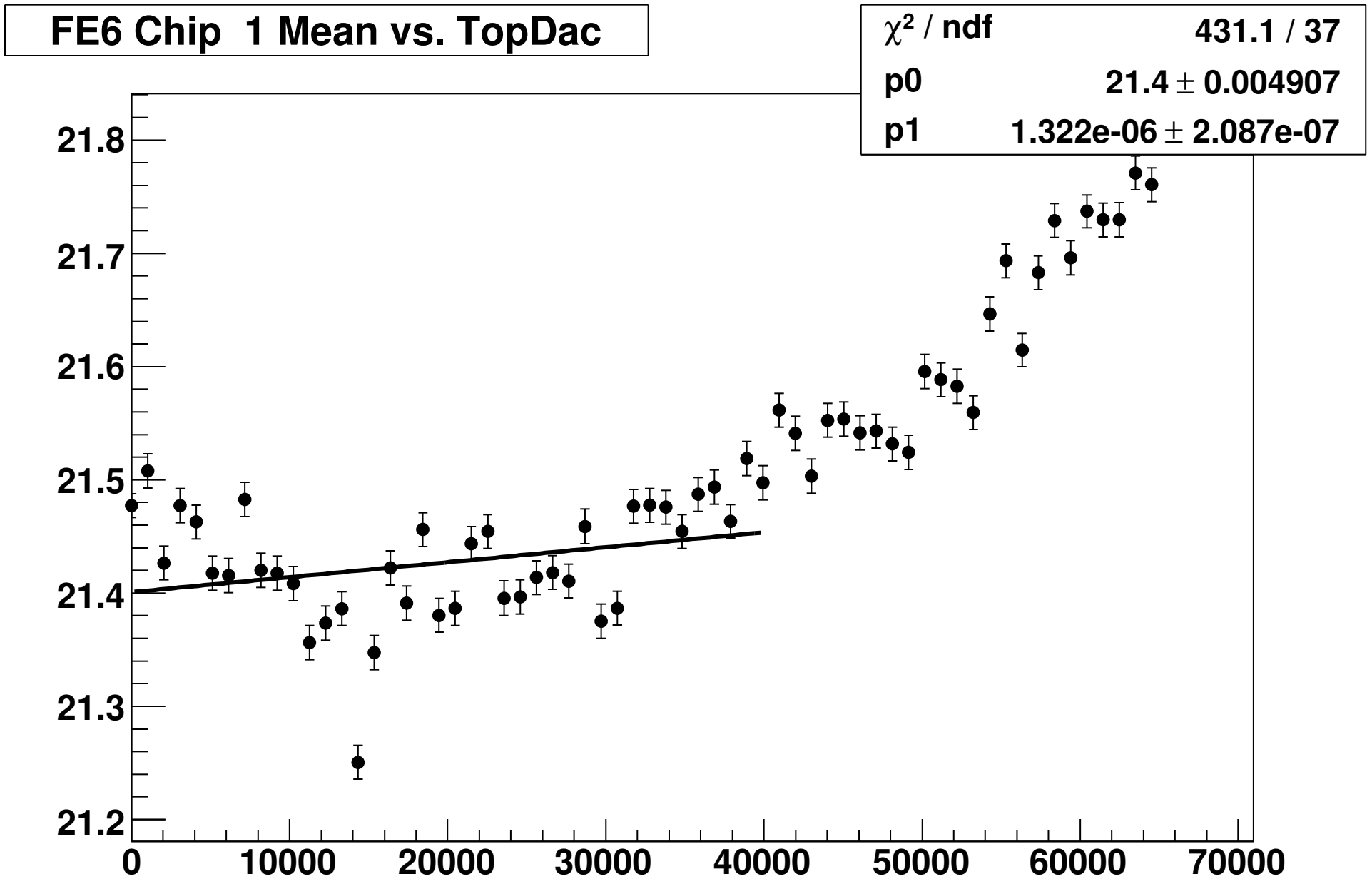
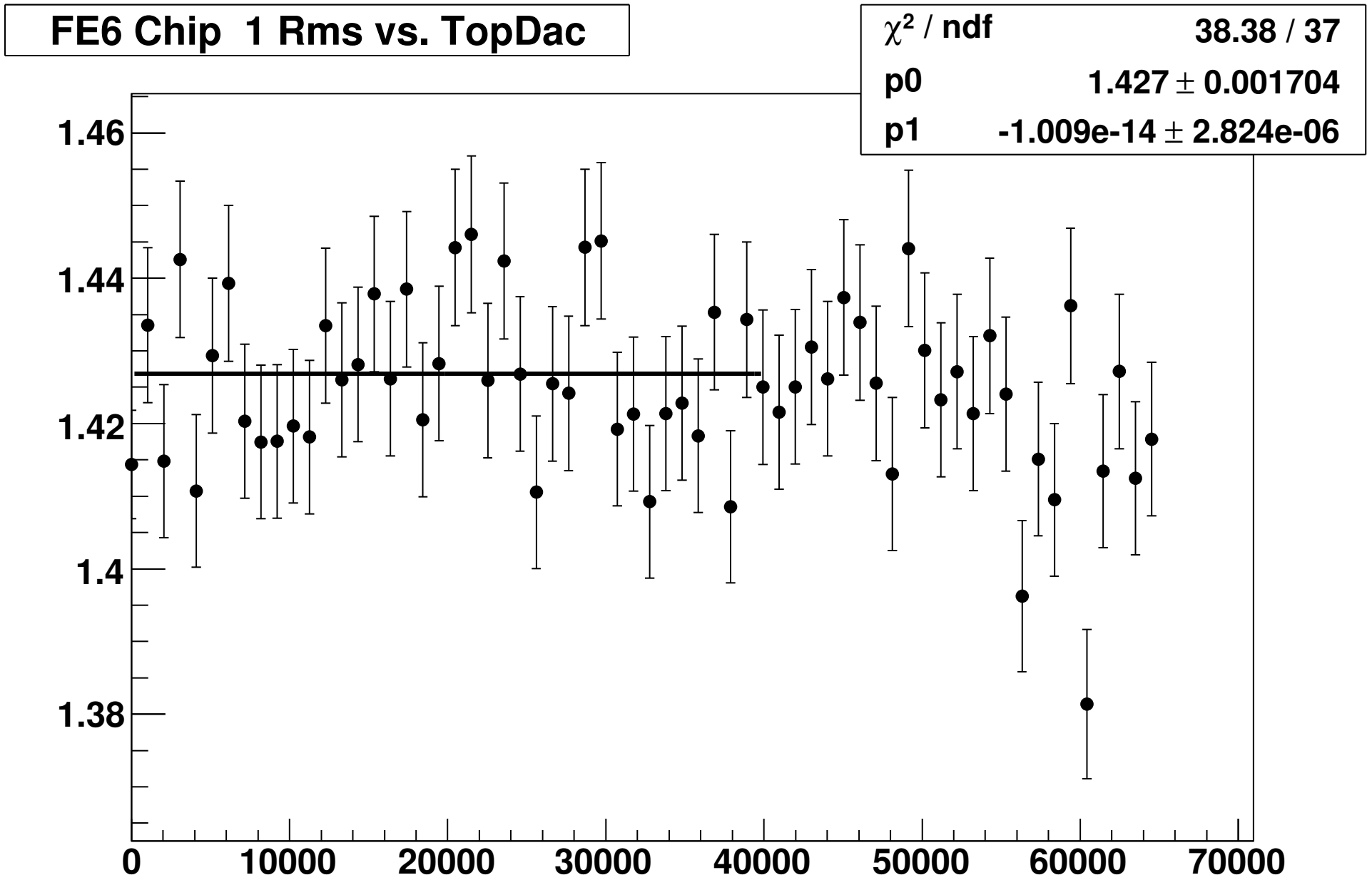
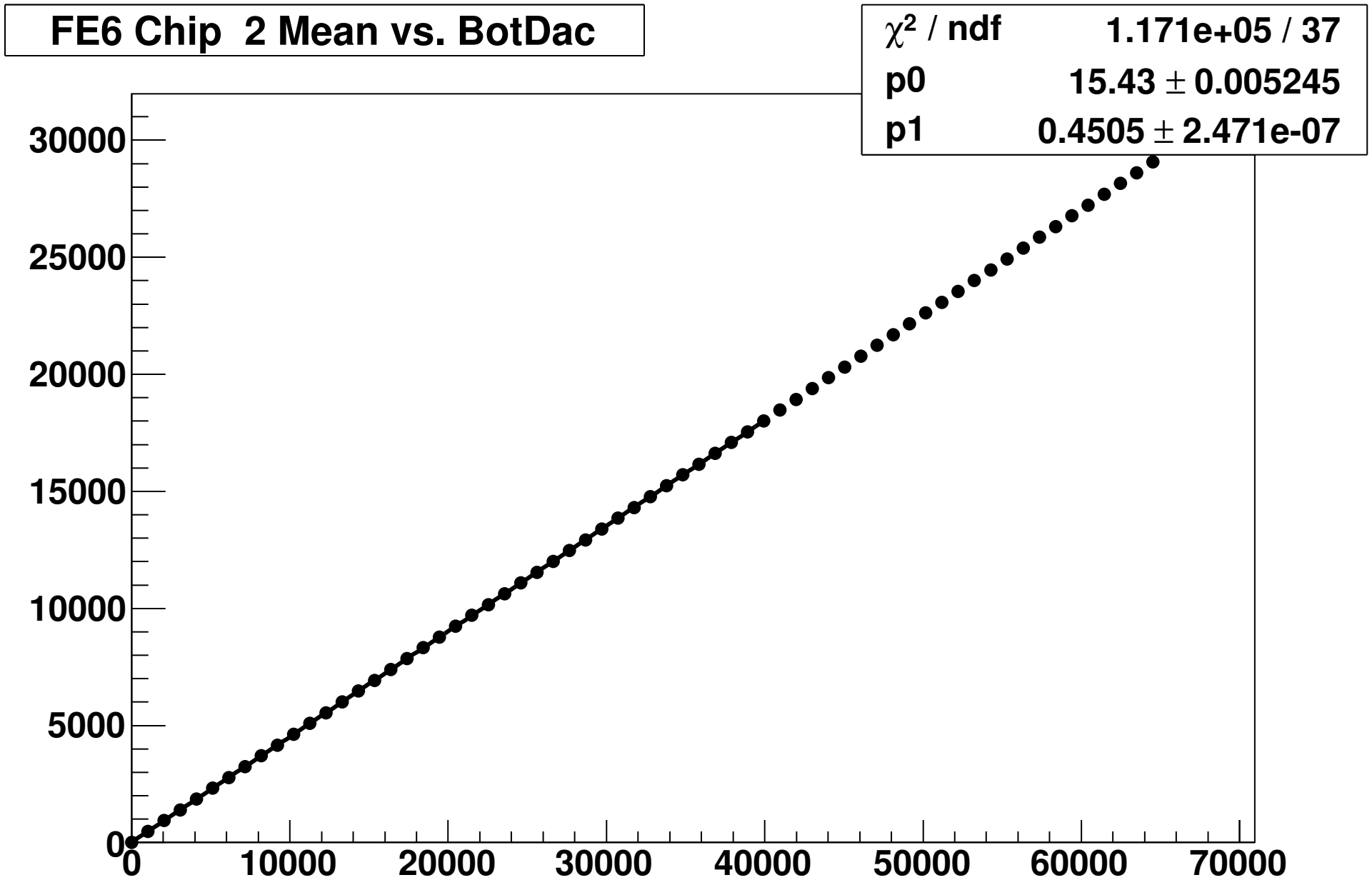
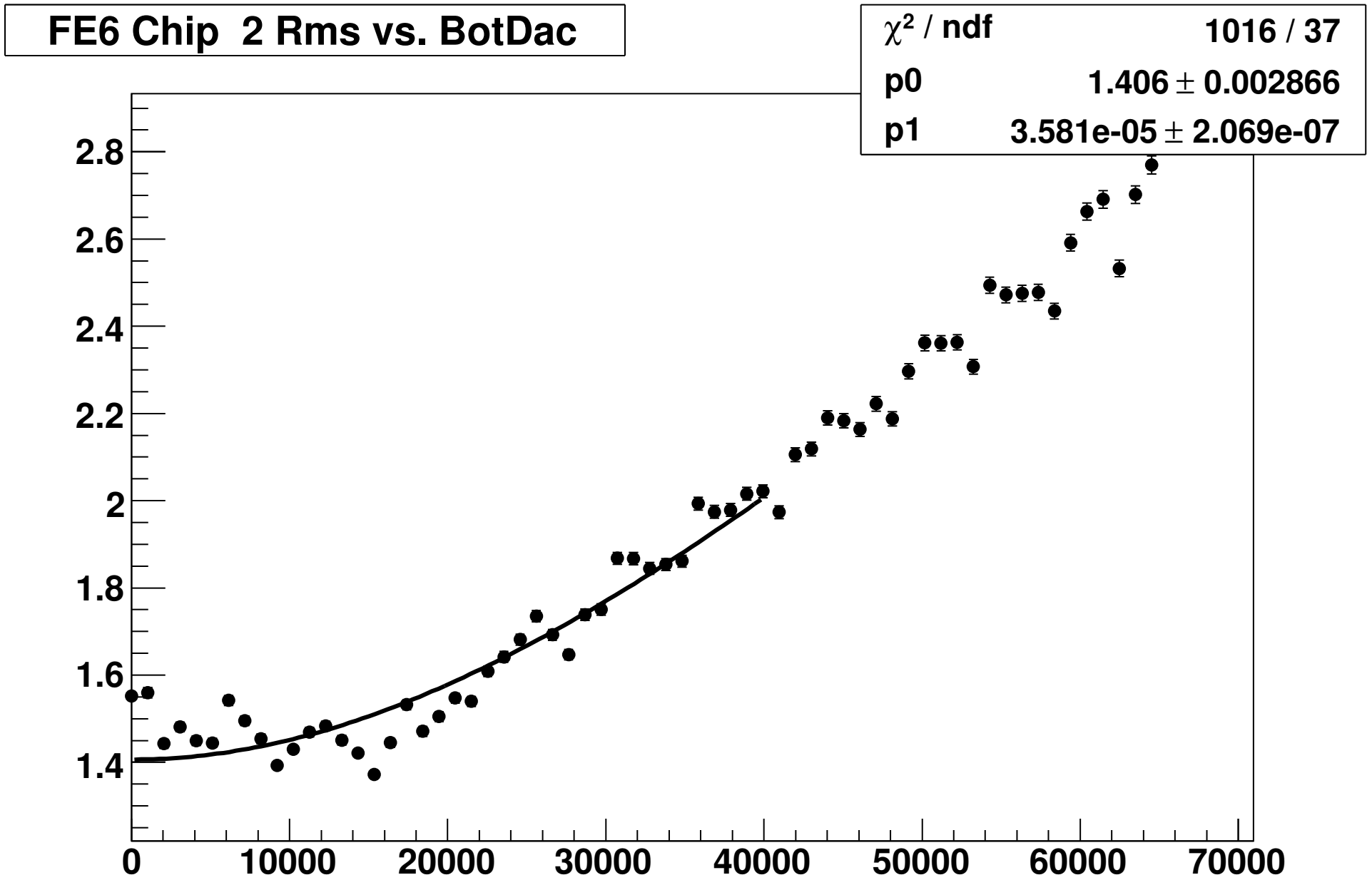
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 431.1 / 37
p0 21.4 ± 0.004907
p1 1.322e-06 ± 2.087e-07
21.8
21.7
21.6
21.5
21.4
21.3
21.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 38.38 / 37
p0 1.427 ± 0.001704
p1 -1.009e-14 ± 2.824e-06
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.171e+05 / 37
p0 15.43 ± 0.005245
p1 0.4505 ± 2.471e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1016 / 37
p0 1.406 ± 0.002866
p1 3.581e-05 ± 2.069e-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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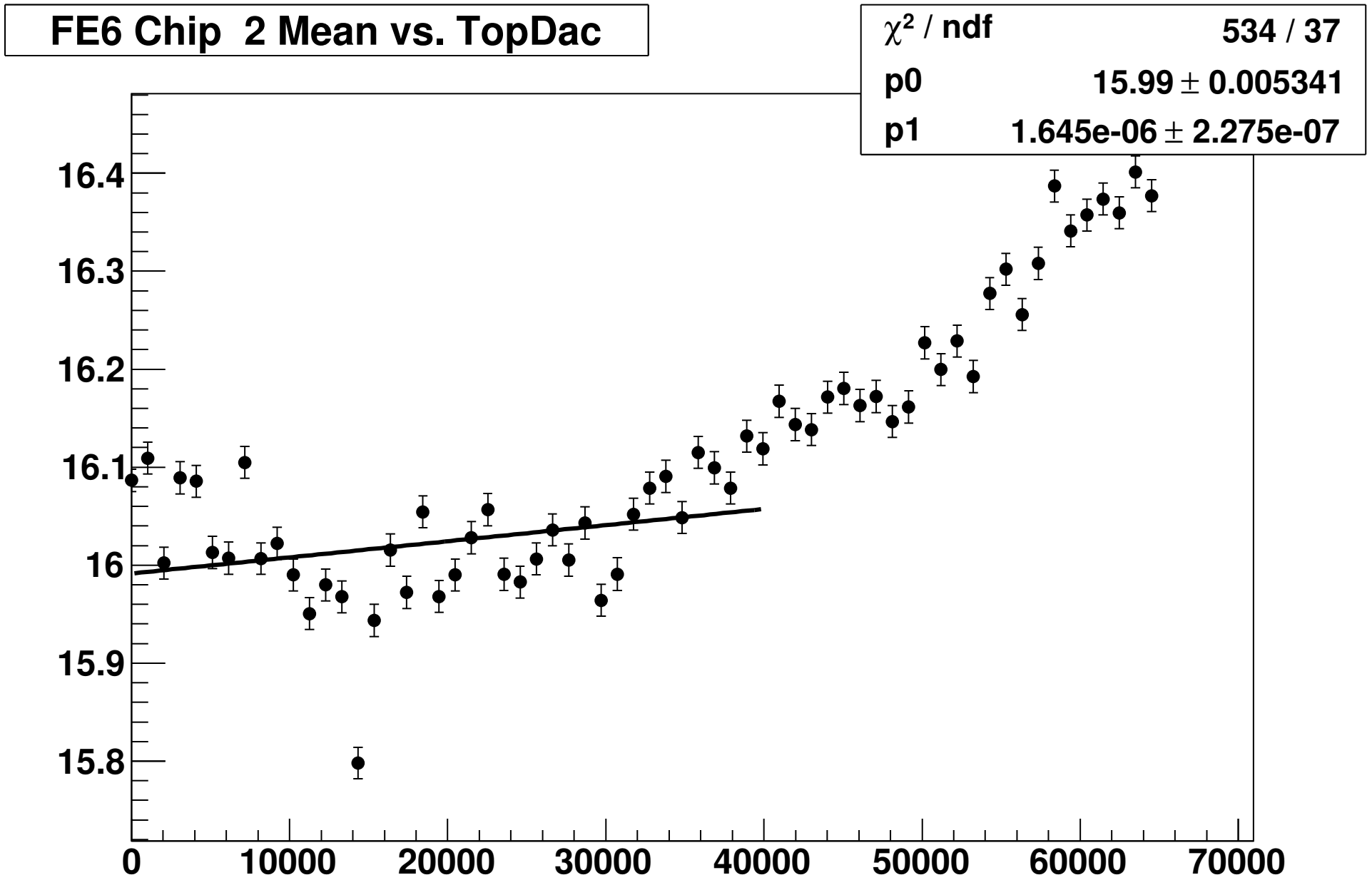
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 534 / 37
p0 15.99 ± 0.005341
p1 1.645e-06 ± 2.275e-07
16.4
16.3
16.2
16.1
16
15.9
15.8
0
10000
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50000
60000
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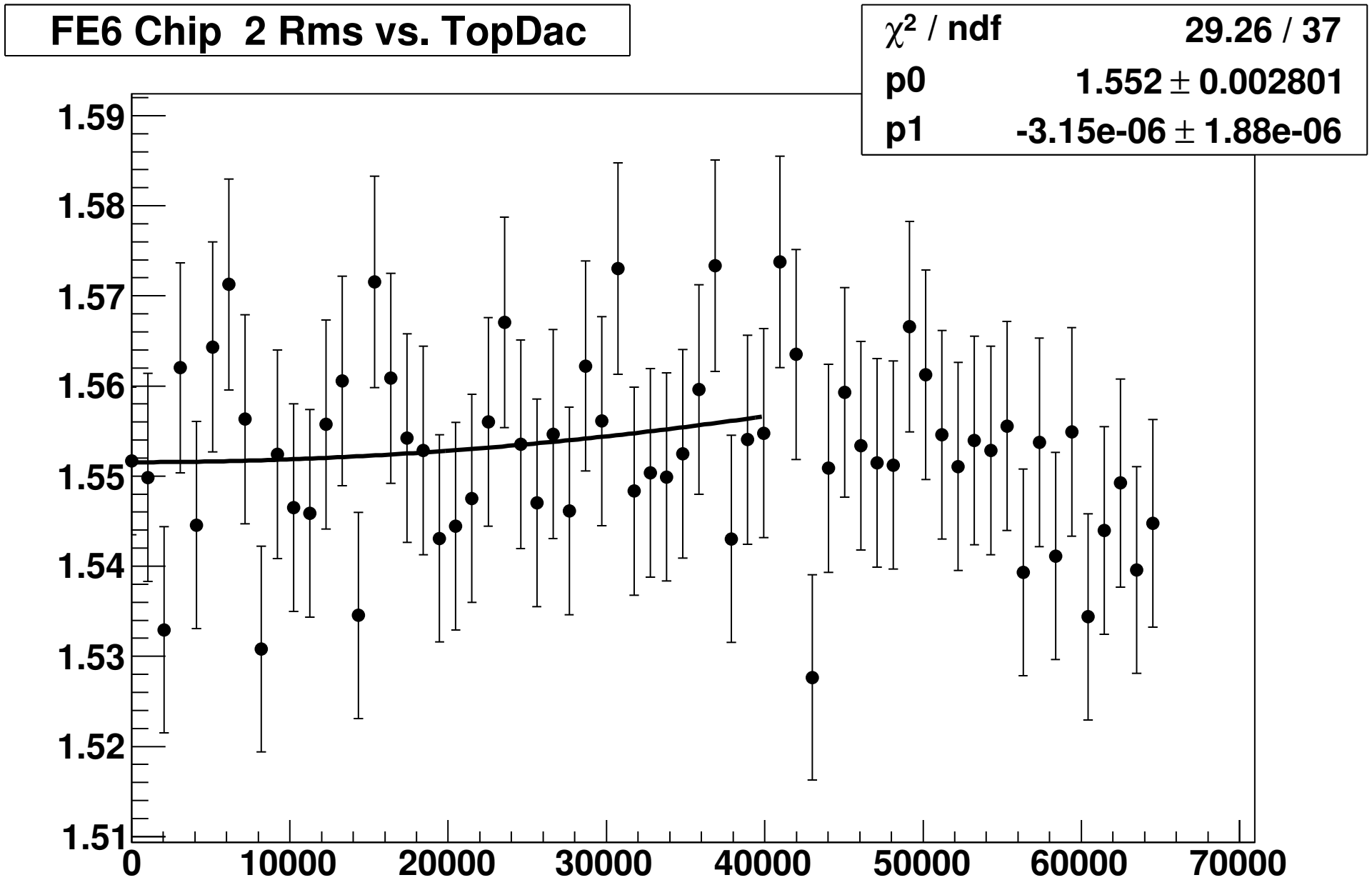
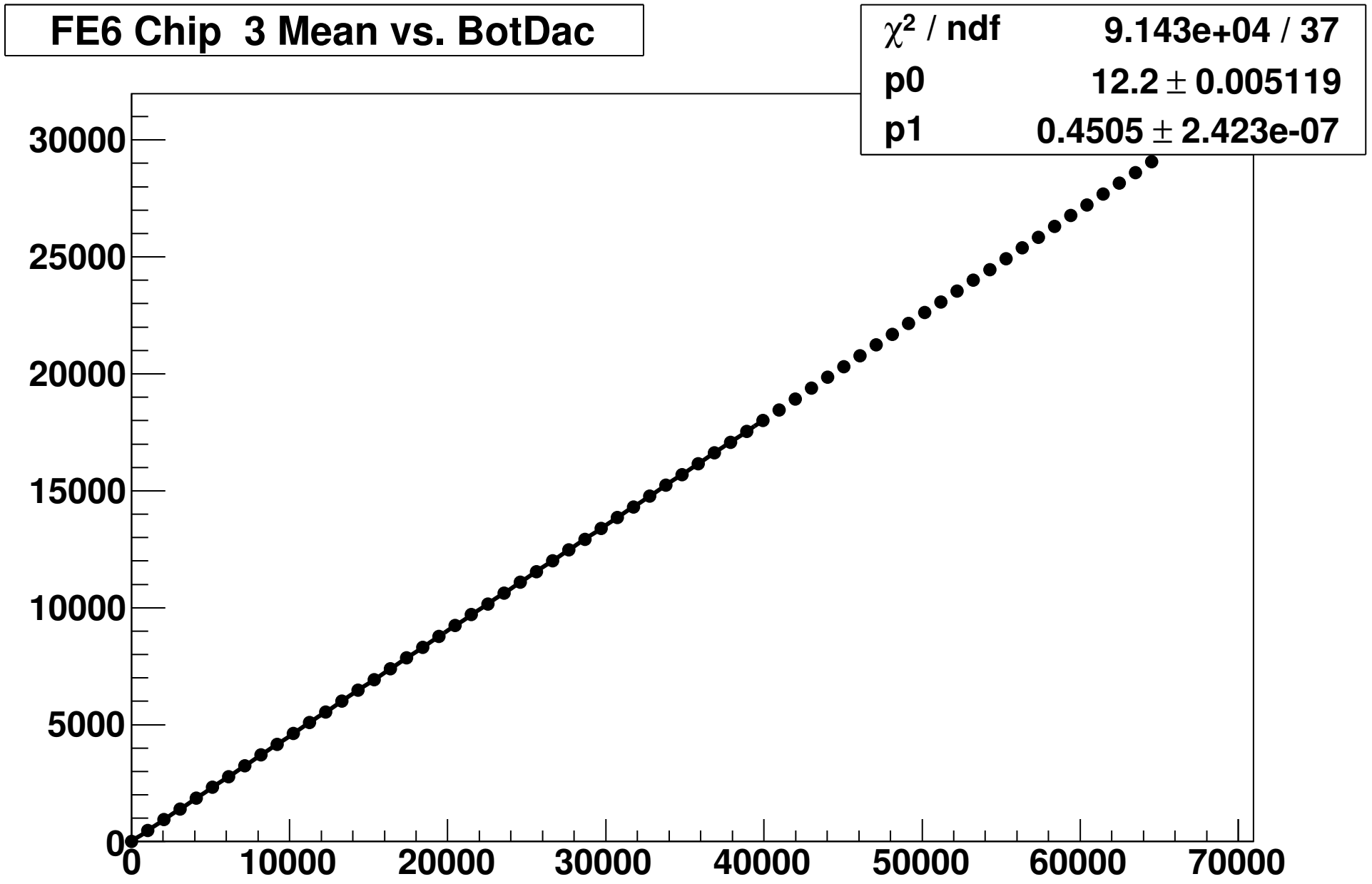
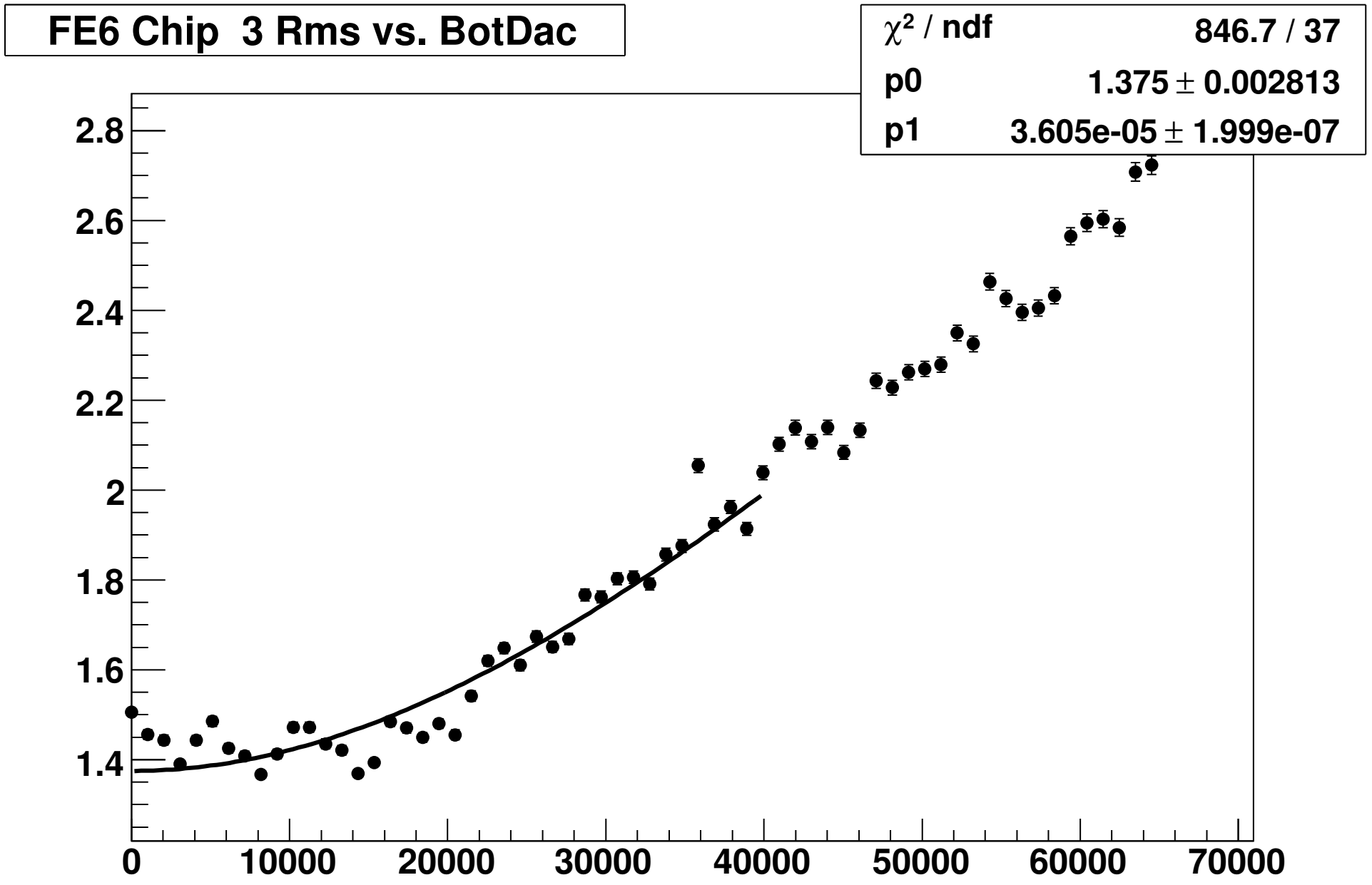
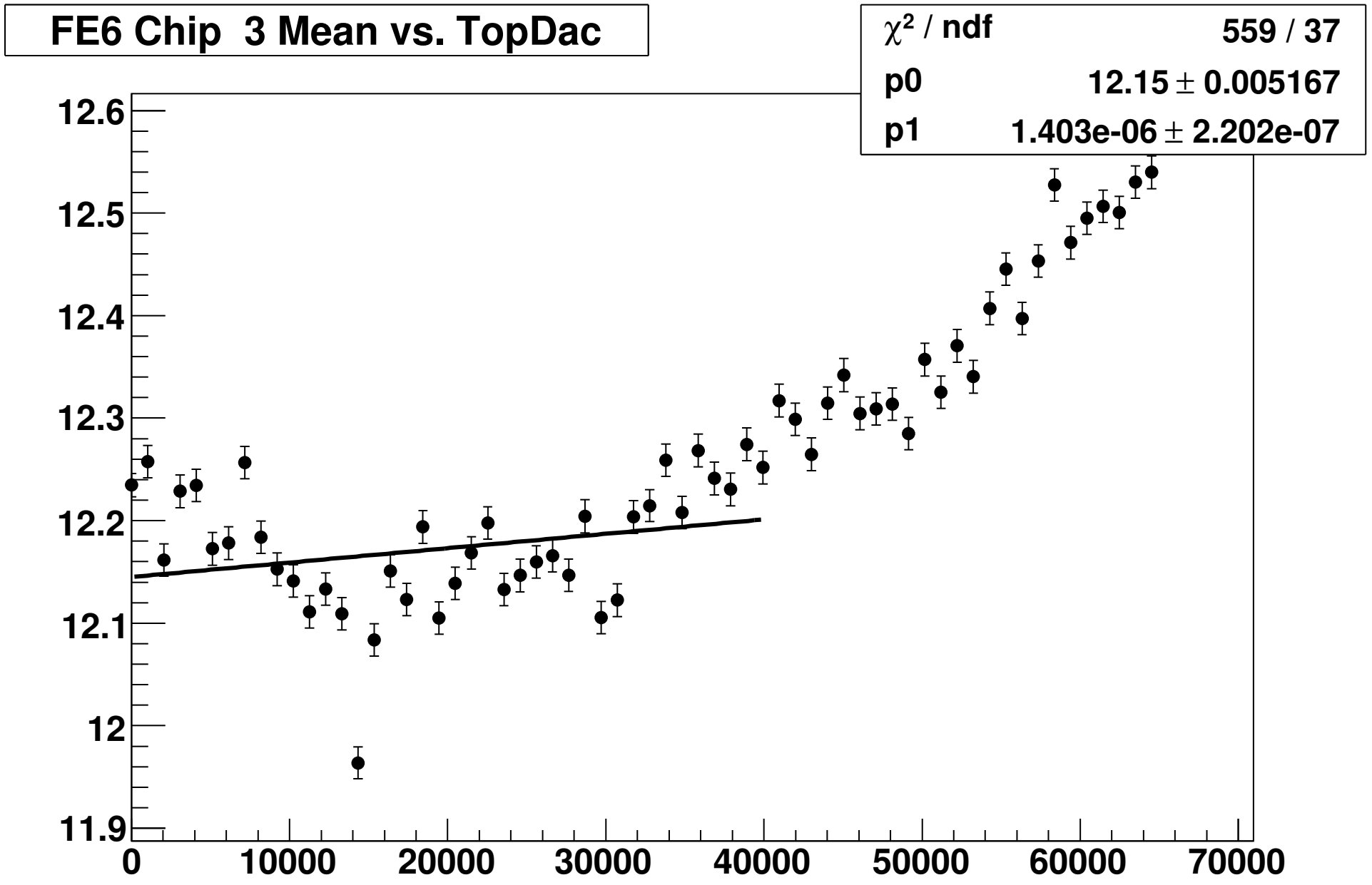

FE6 Chip 2 Rms vs. TopDac
χ² / ndf 29.26 / 37
p0 1.552 ± 0.002801
p1 -3.15e-06 ± 1.88e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 9.143e+04 / 37
p0 12.2 ± 0.005119
p1 0.4505 ± 2.423e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 846.7 / 37
p0 1.375 ± 0.002813
p1 3.605e-05 ± 1.999e-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 559 / 37
p0 12.15 ± 0.005167
p1 1.403e-06 ± 2.202e-07
12.6
12.5
12.4
12.3
12.2
12.1
12
11.9
0
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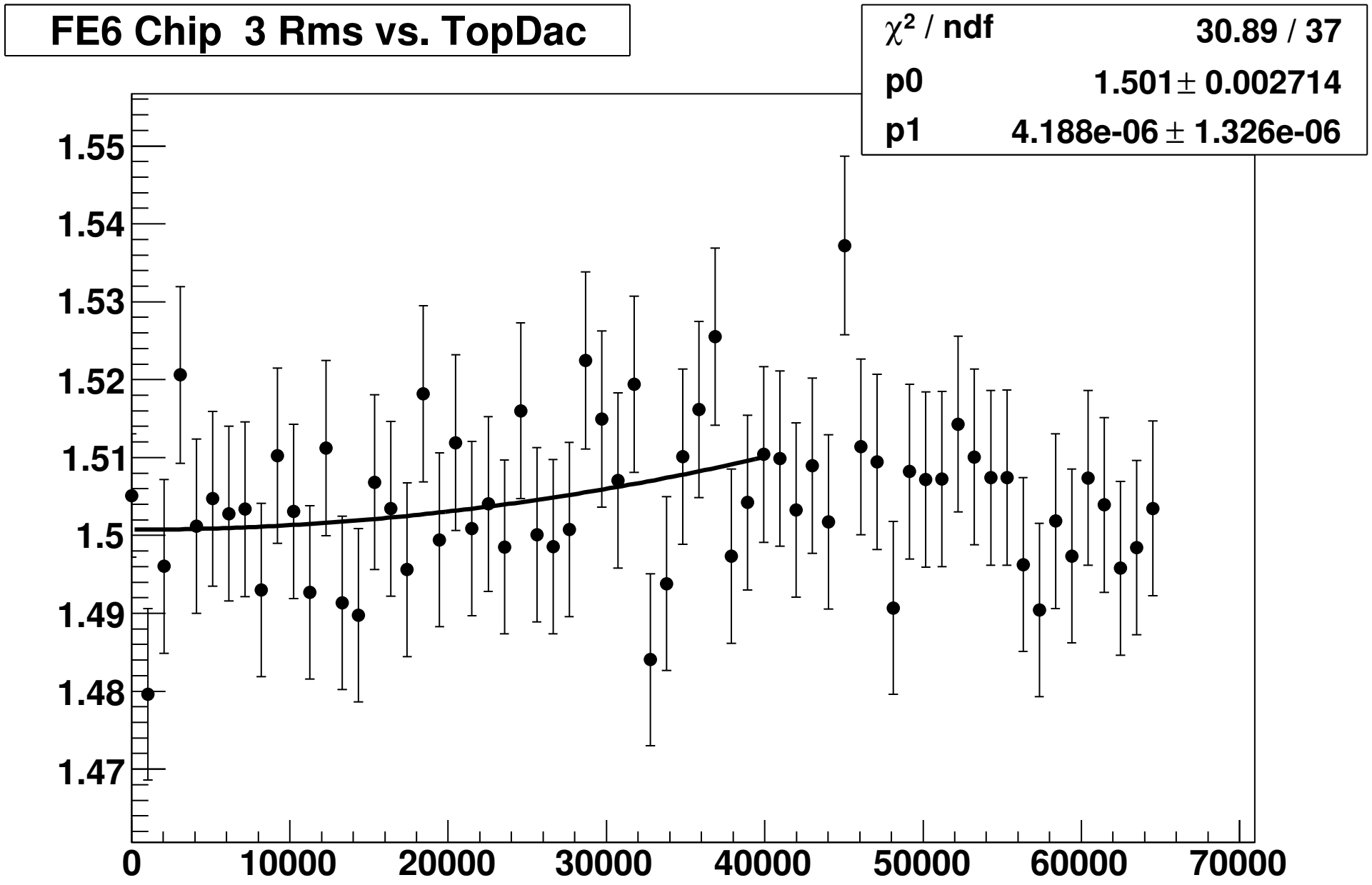
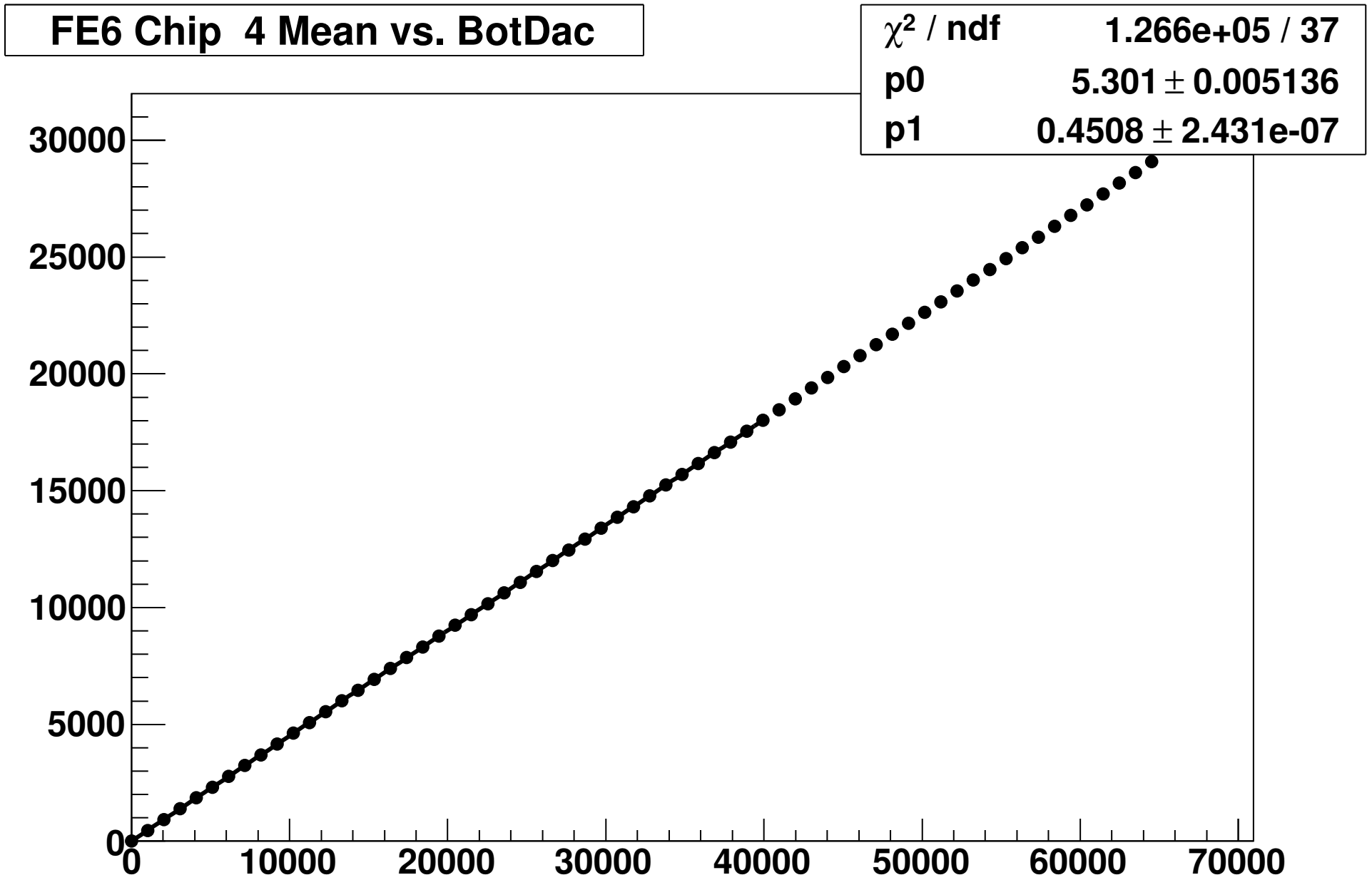
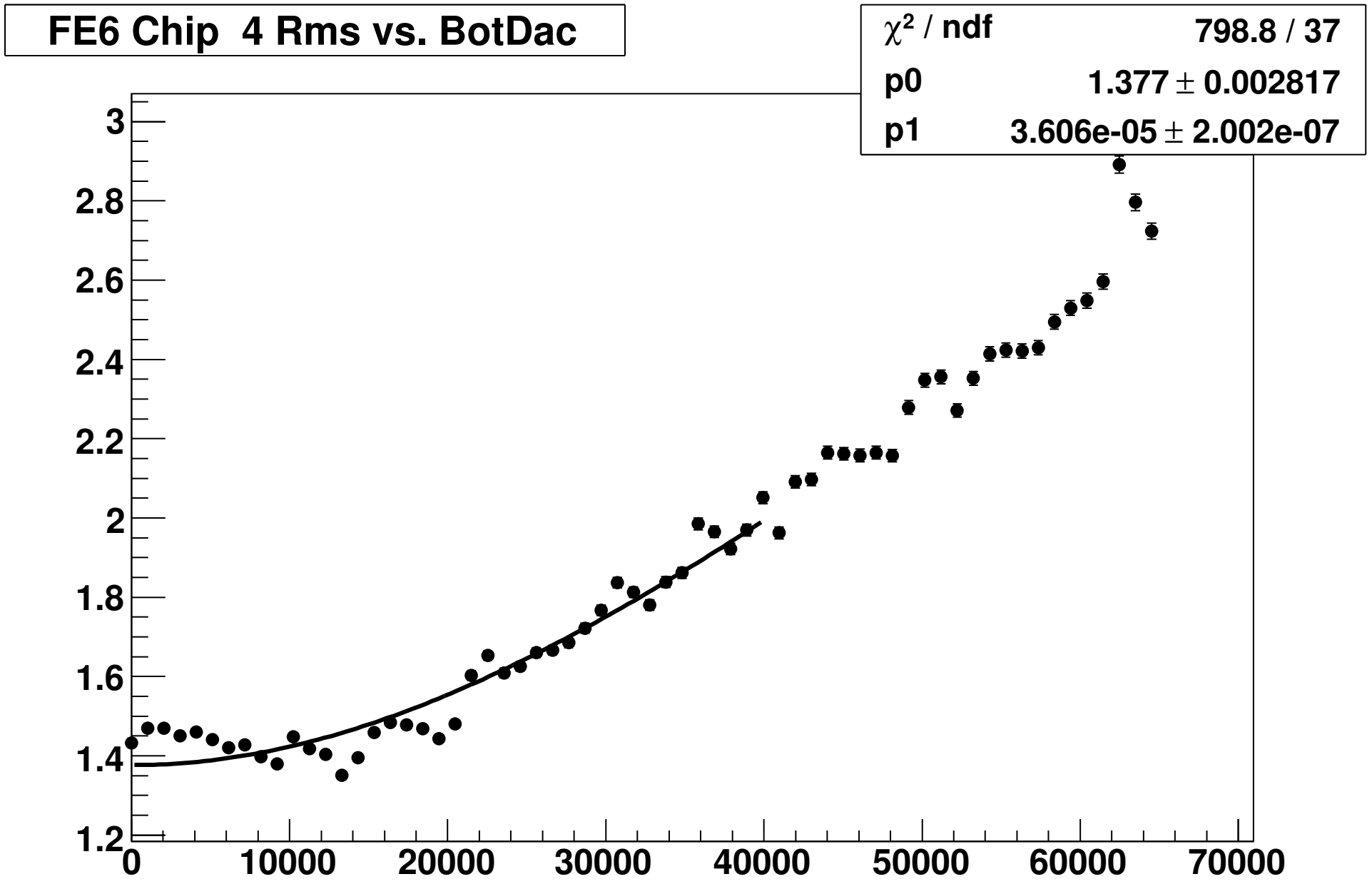
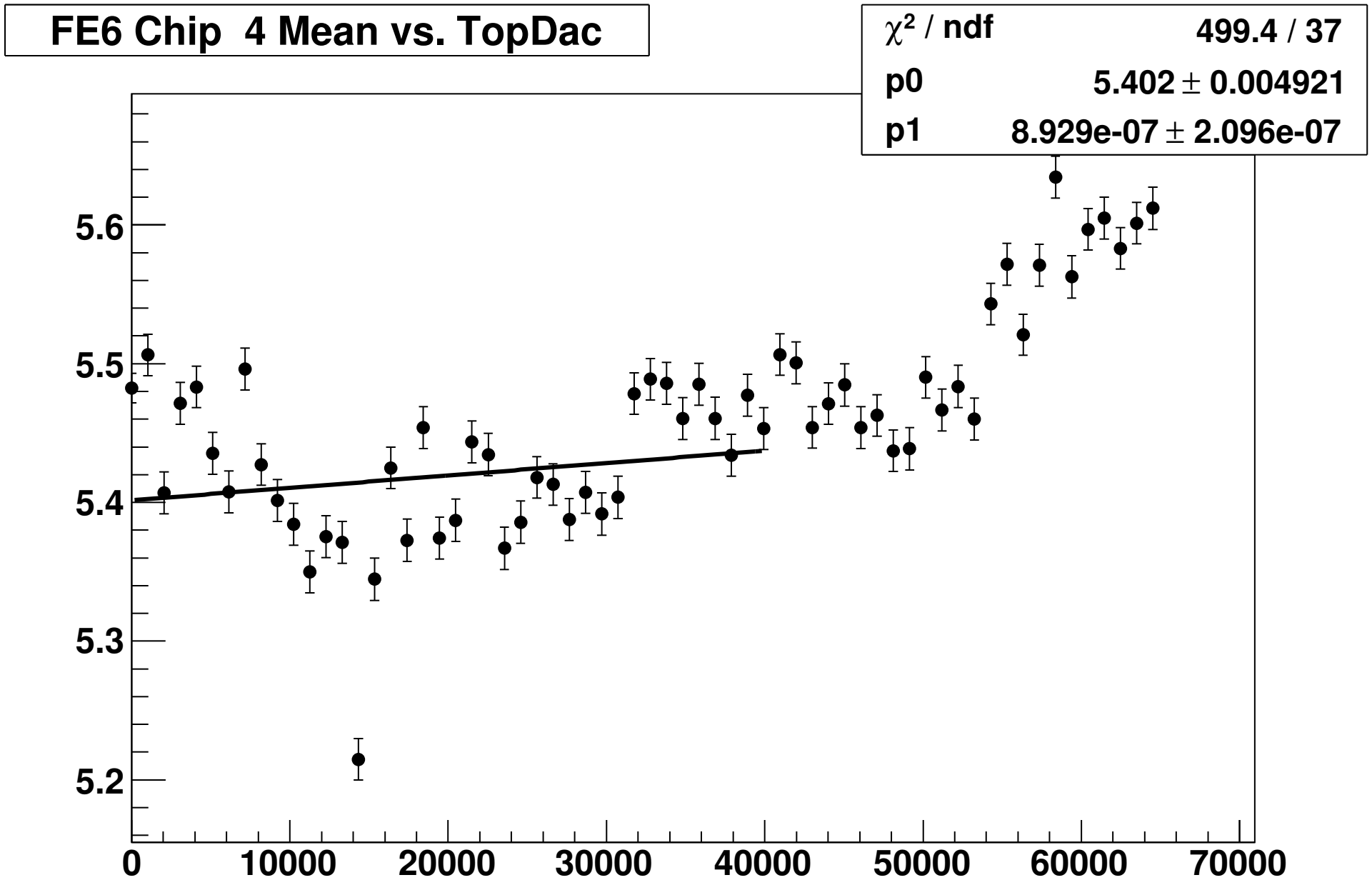
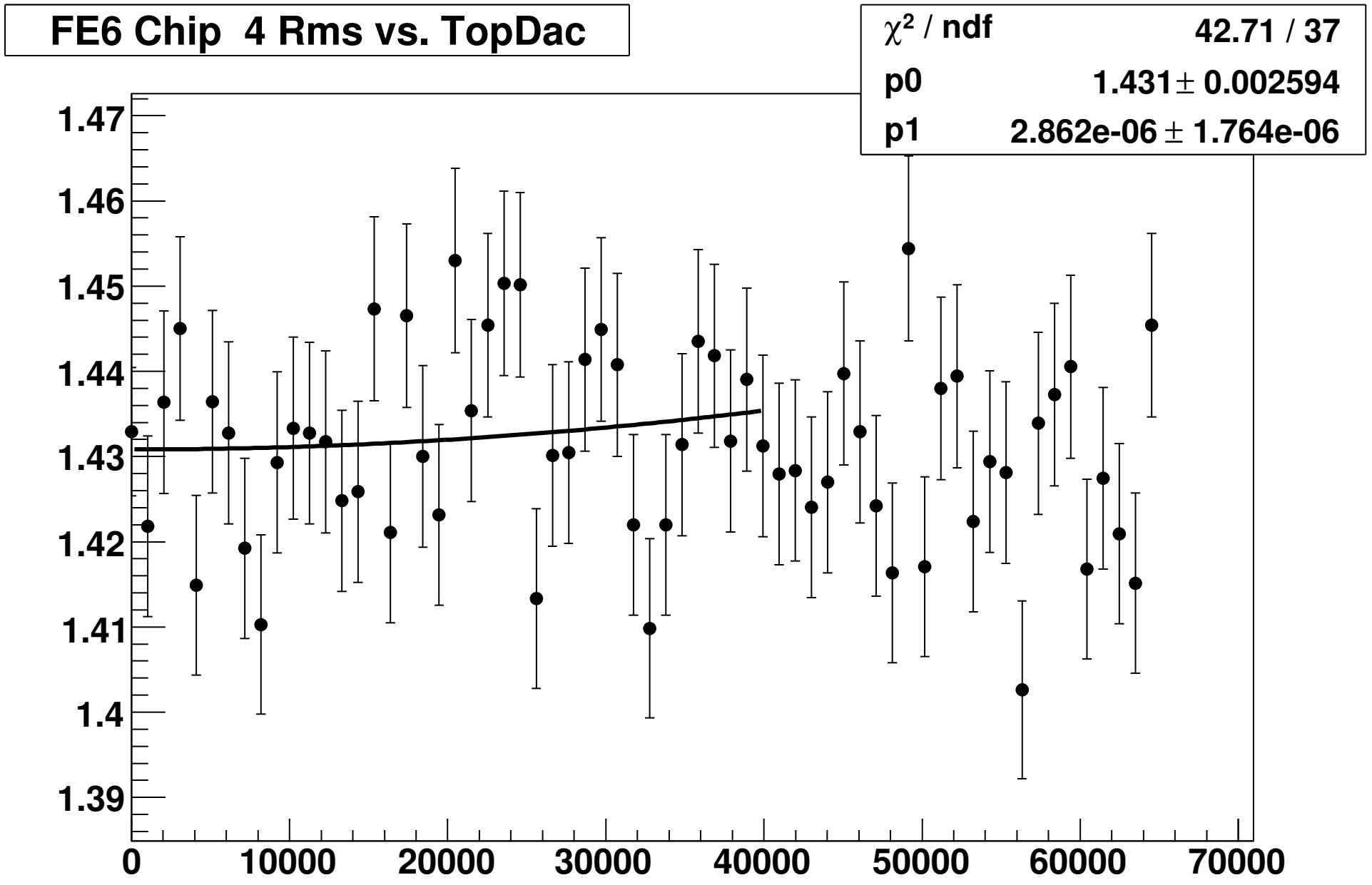
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 30.89 / 37
p0 1.501 ± 0.002714
p1 4.188e-06 ± 1.326e-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


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.266e+05 / 37
p0 5.301 ± 0.005136
p1 0.4508 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 798.8 / 37
p0 1.377 ± 0.002817
p1 3.606e-05 ± 2.002e-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


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 499.4 / 37
p0 5.402 ± 0.004921
p1 8.929e-07 ± 2.096e-07
5.6
5.5
5.4
5.3
5.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 42.71 / 37
p0 1.431 ± 0.002594
p1 2.862e-06 ± 1.764e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
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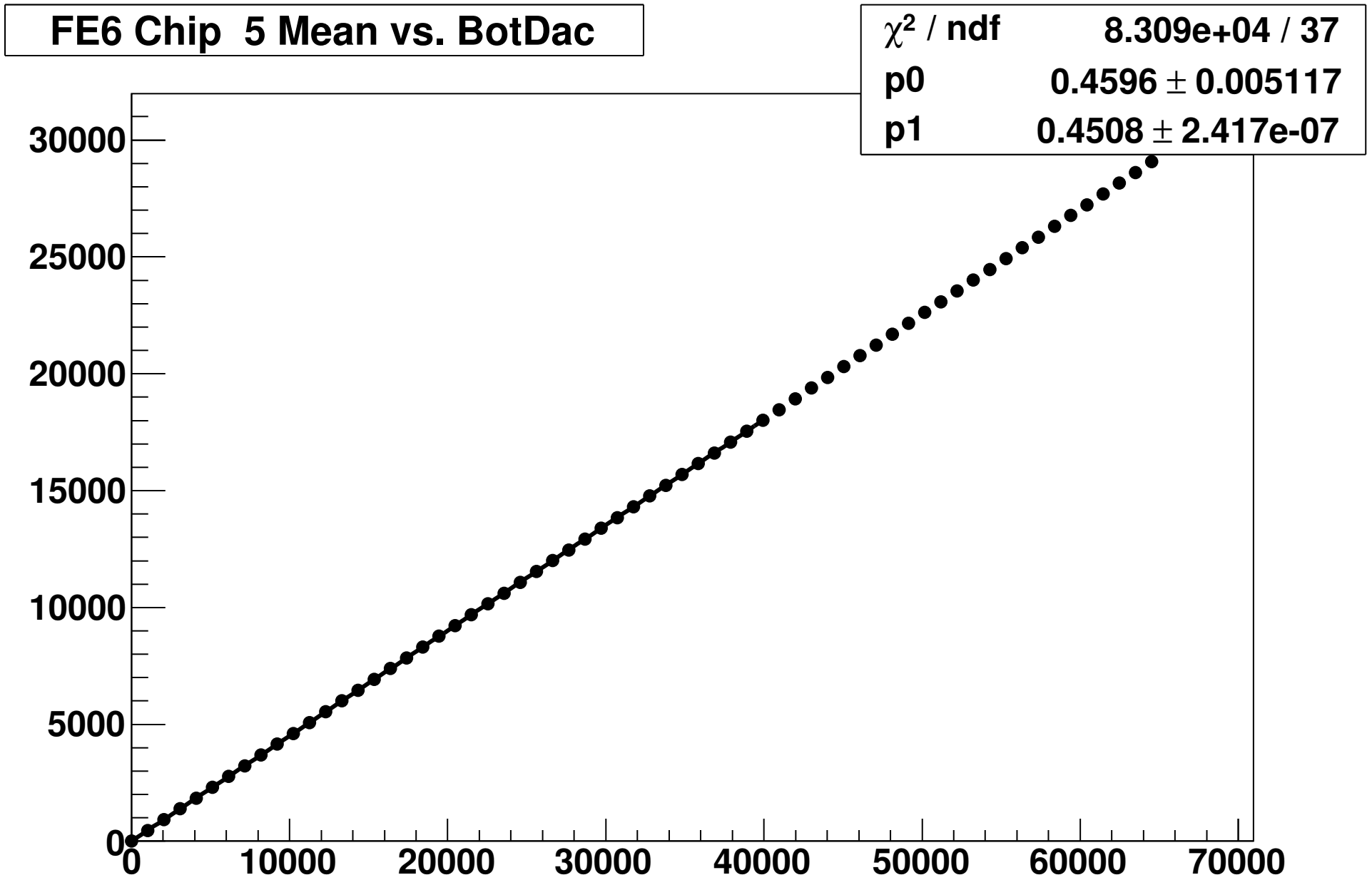
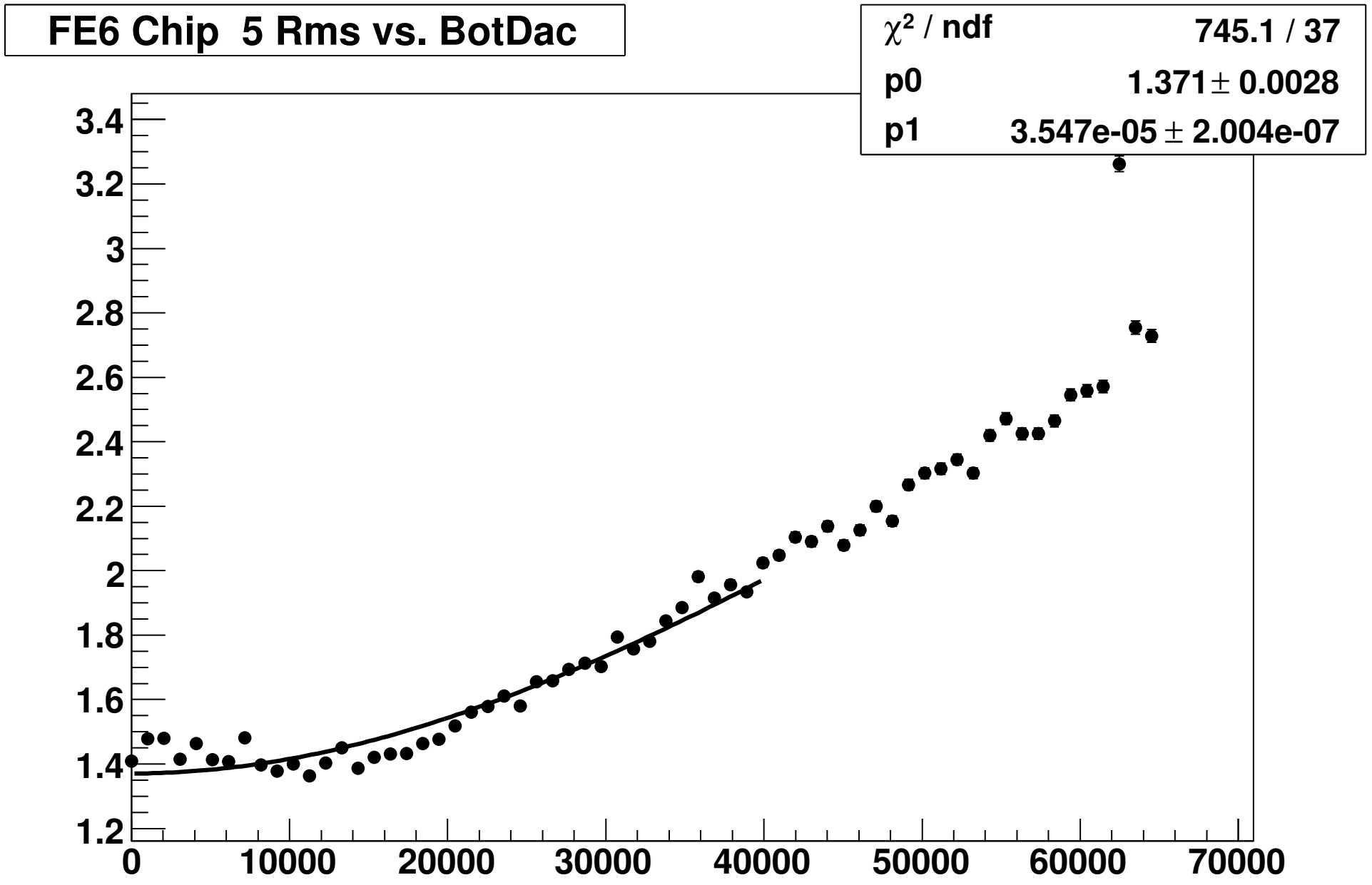
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 8.309e+04 / 37
p0 0.4596 ± 0.005117
p1 0.4508 ± 2.417e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 745.1 / 37
p0 1.371 ± 0.0028
p1 3.547e-05 ± 2.004e-07
3.4
3.2
3
2.8
2.6
2.4
2.2
2
1.8
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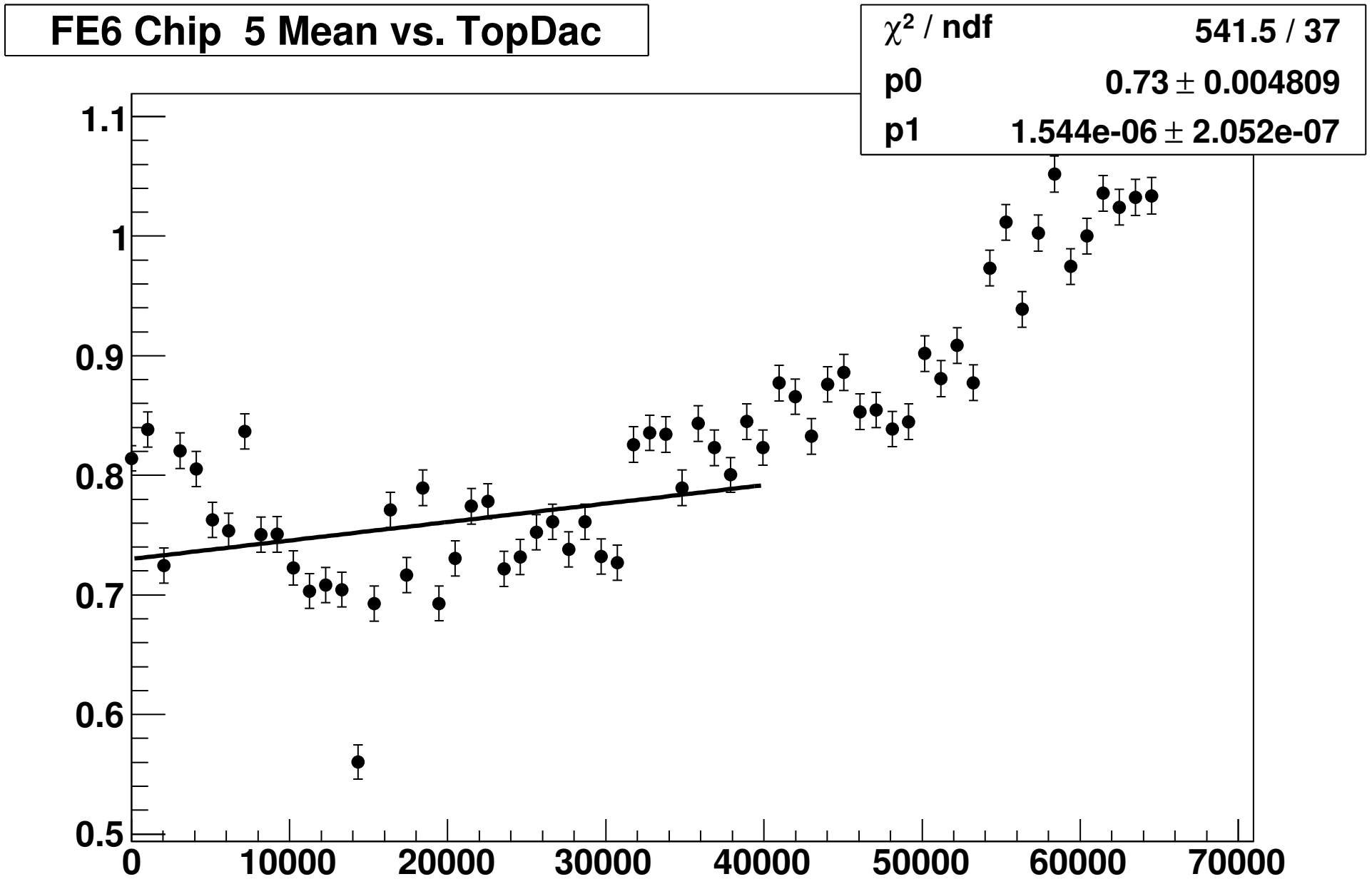
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 541.5 / 37
p0 0.73 ± 0.004809
p1 1.544e-06 ± 2.052e-07
1.1
1
0.9
0.8
0.7
0.6
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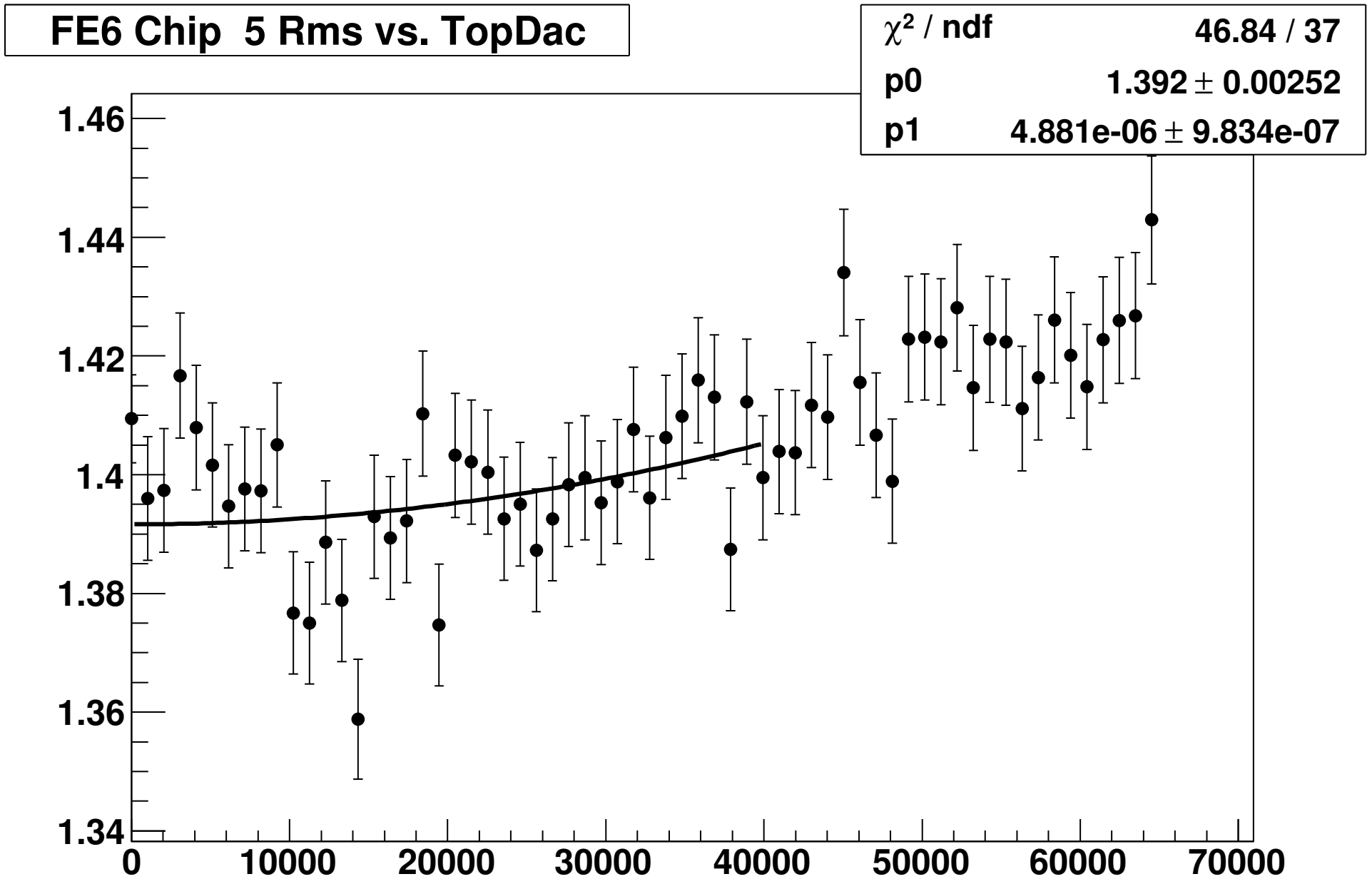
FE6 Chip 5 Rms vs. TopDac
χ² / ndf 46.84 / 37
p0 1.392 ± 0.00252
p1 4.881e-06 ± 9.834e-07
1.46
1.44
1.42
1.4
1.38
1.36
1.34
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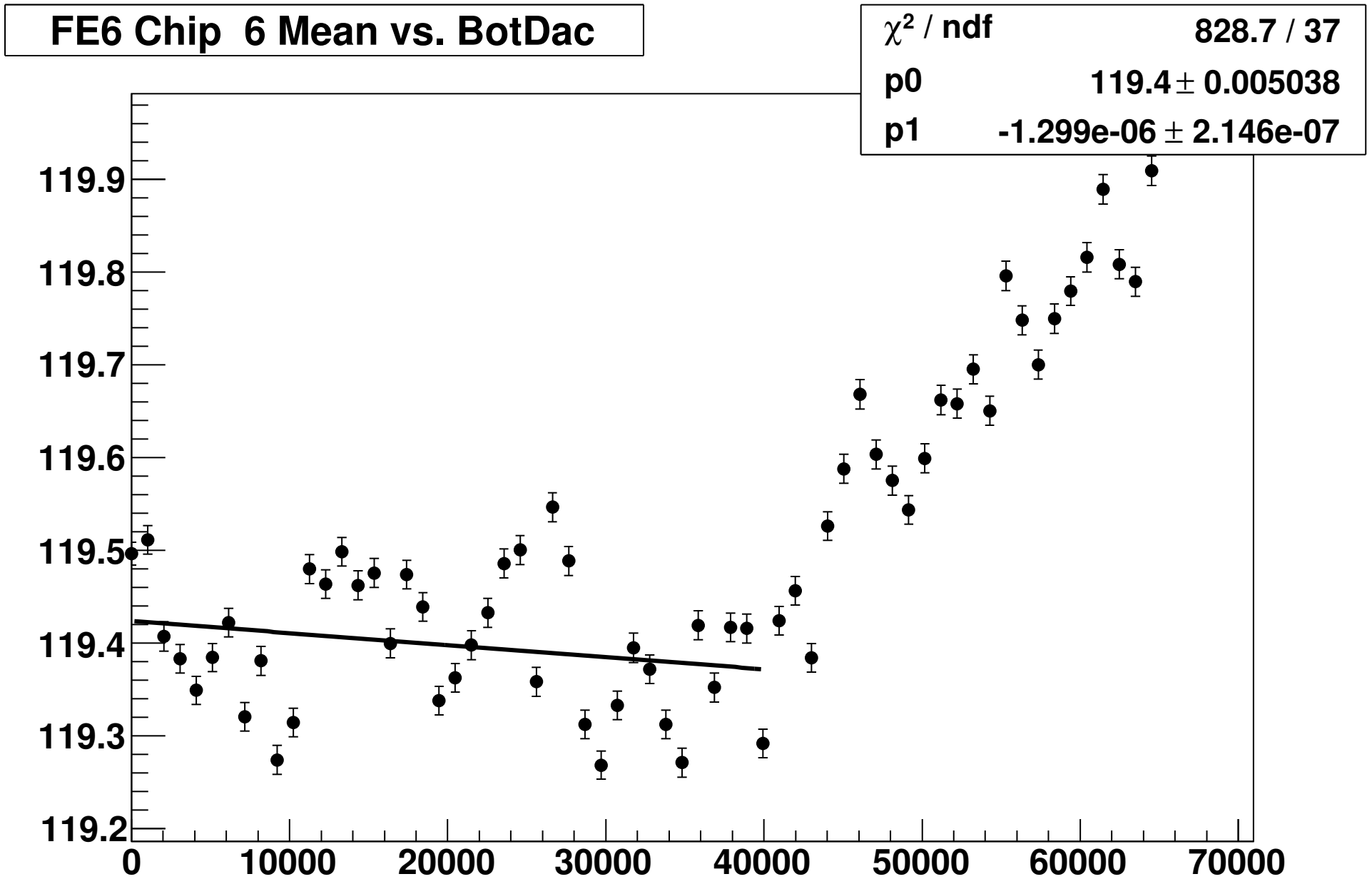
FE6 Chip 6 Mean vs. BotDac
χ² / ndf 828.7 / 37
p0 119.4 ± 0.005038
p1 -1.299e-06 ± 2.146e-07
119.9
119.8
119.7
119.6
119.5
119.4
119.3
119.2
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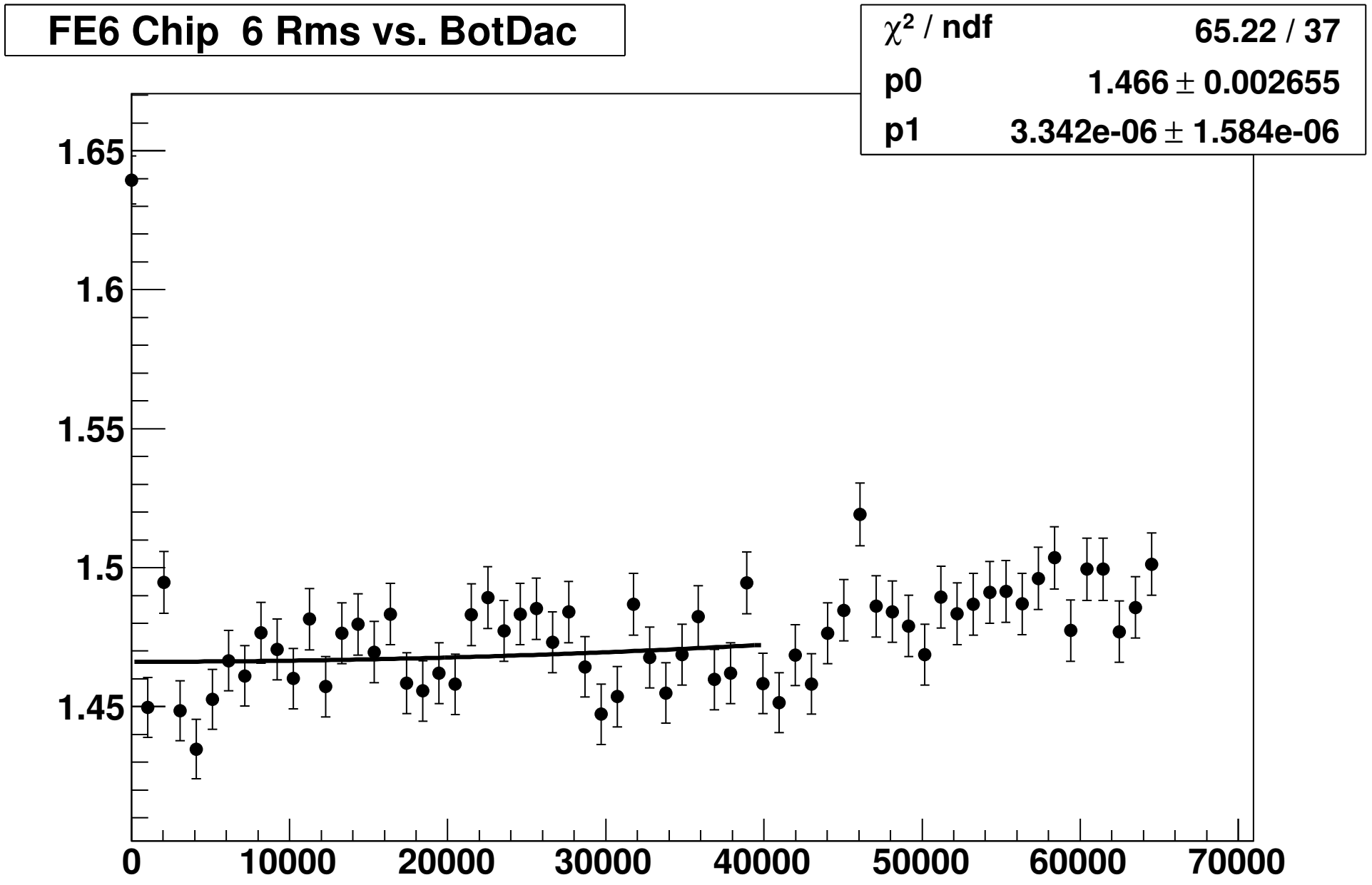
FE6 Chip 6 Rms vs. BotDac
χ² / ndf 65.22 / 37
p0 1.466 ± 0.002655
p1 3.342e-06 ± 1.584e-06
1.65
1.6
1.55
1.5
1.45
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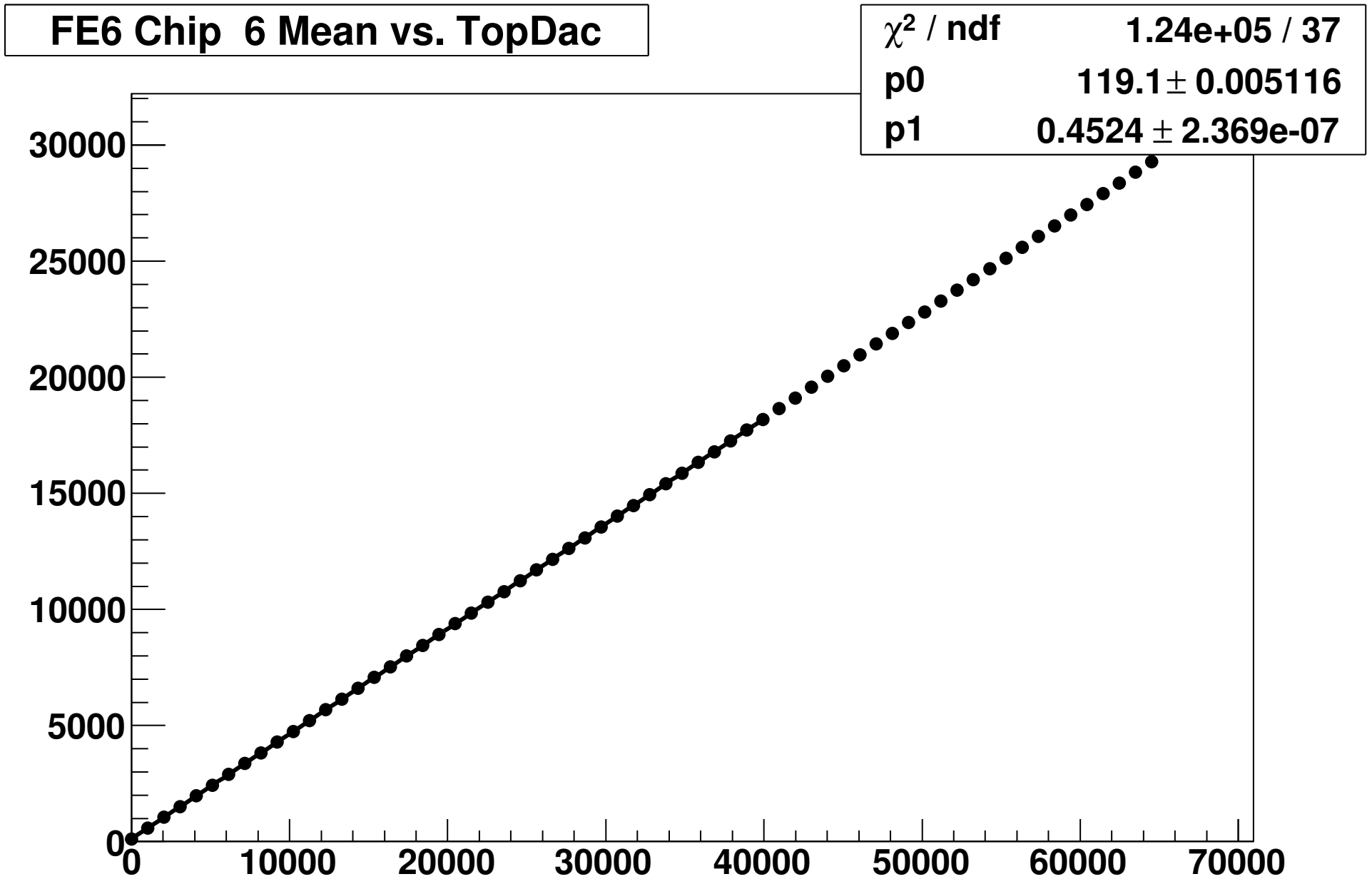
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.24e+05 / 37
p0 119.1 ± 0.005116
p1 0.4524 ± 2.369e-07
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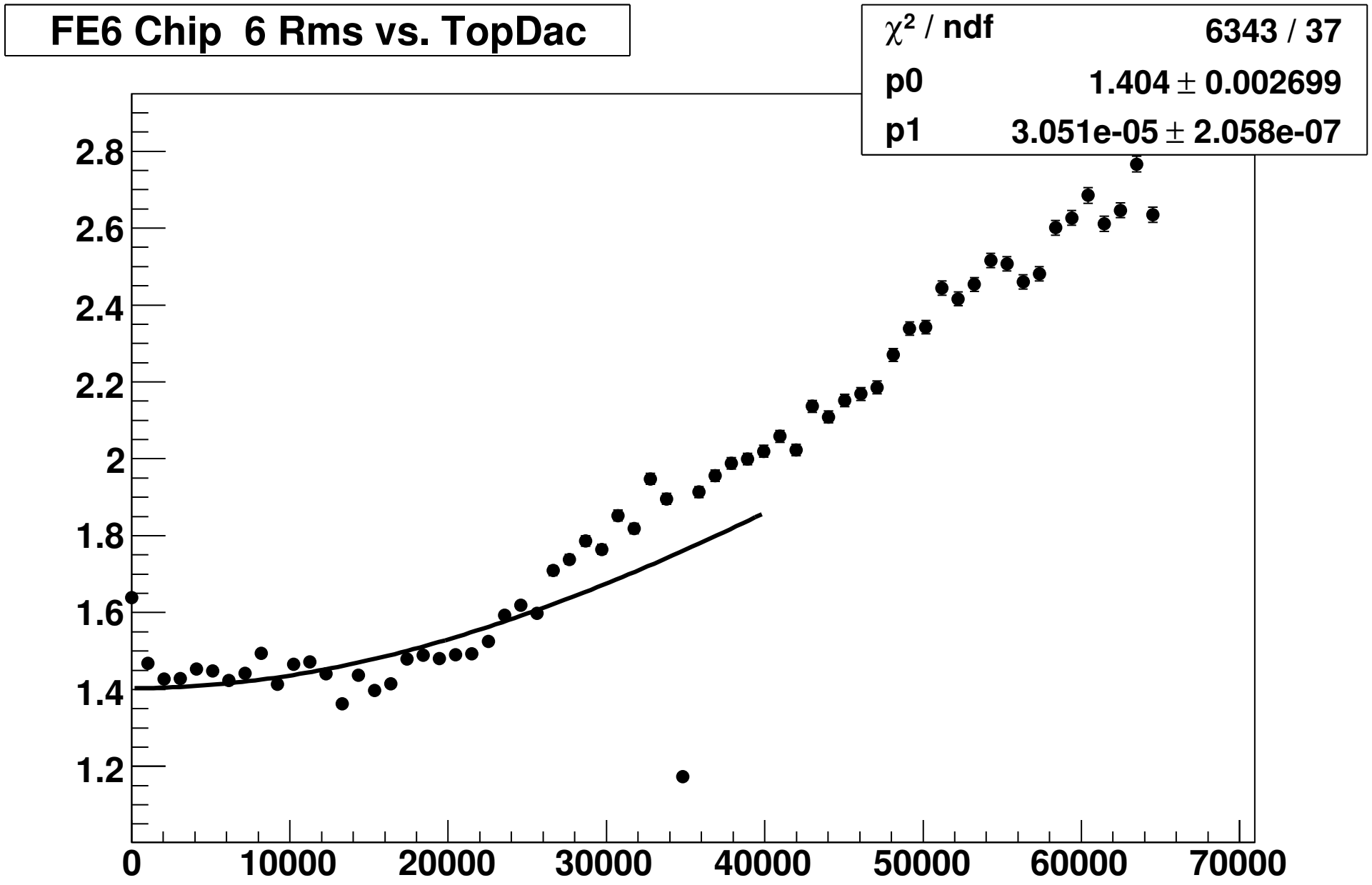
FE6 Chip 6 Rms vs. TopDac
χ² / ndf 6343 / 37
p0 1.404 ± 0.002699
p1 3.051e-05 ± 2.058e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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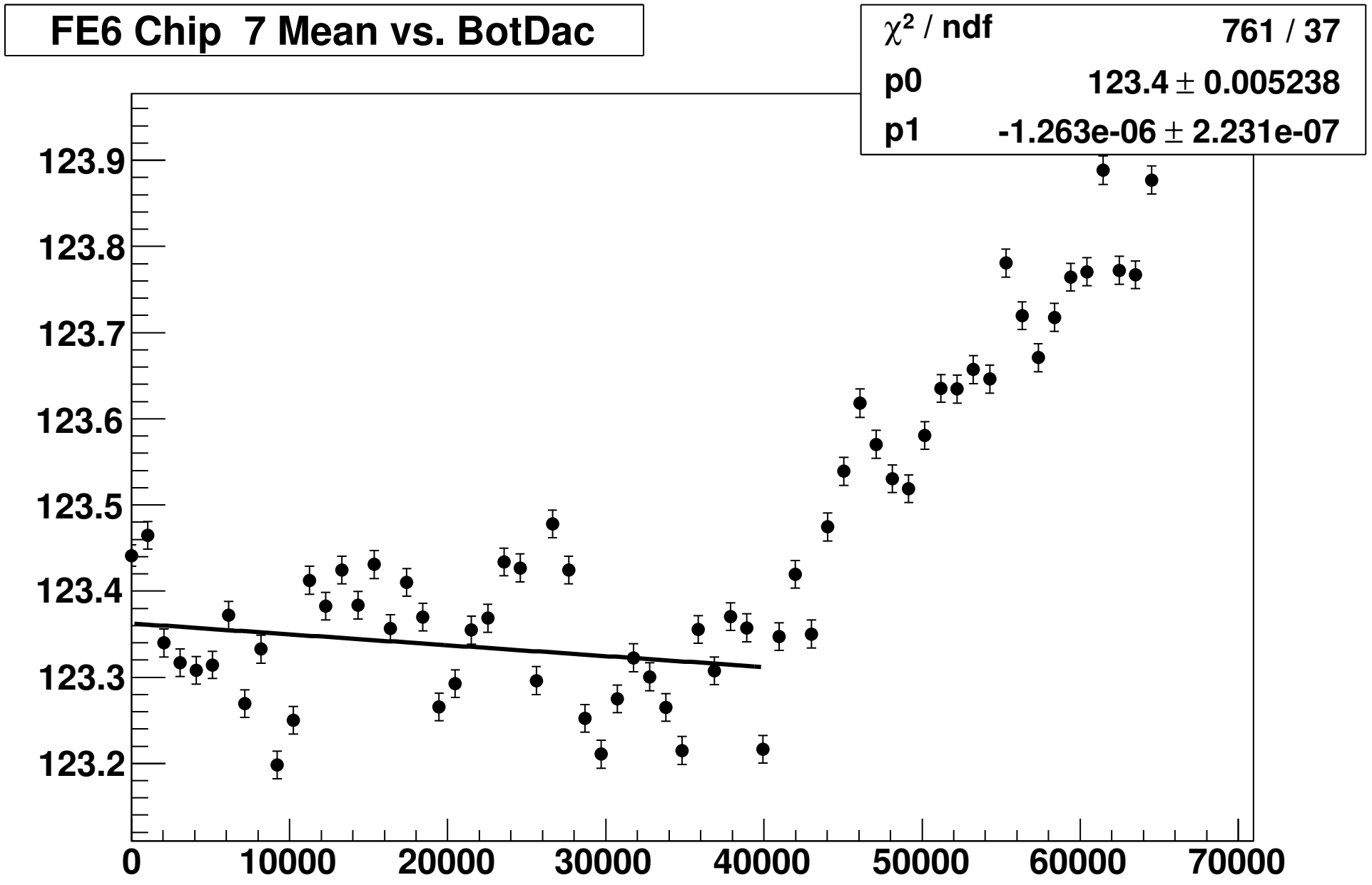
FE6 Chip 7 Mean vs. BotDac
χ² / ndf 761 / 37
p0 123.4 ± 0.005238
p1 -1.263e-06 ± 2.231e-07
123.9
123.8
123.7
123.6
123.5
123.4
123.3
123.2
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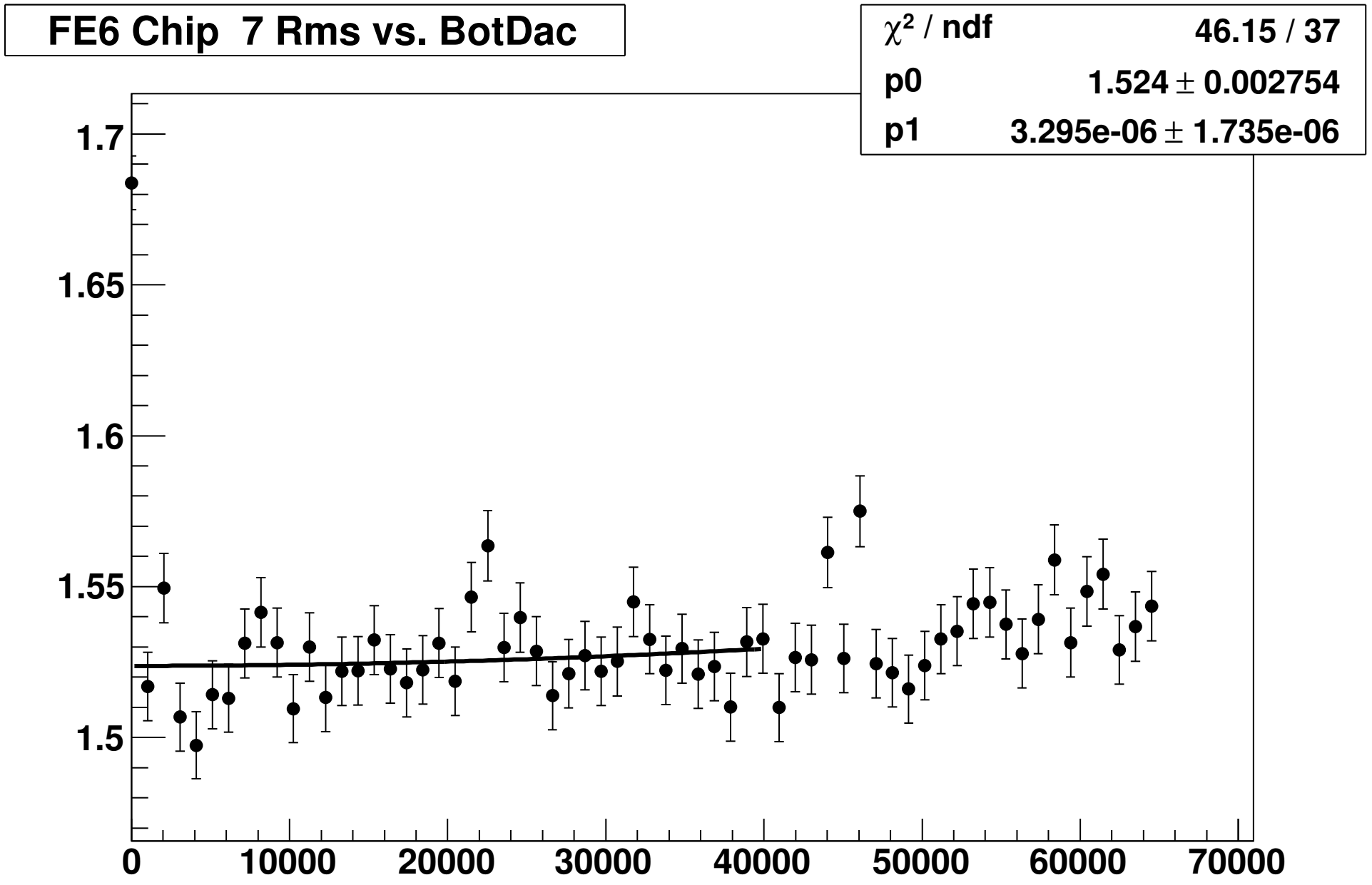
FE6 Chip 7 Rms vs. BotDac
χ² / ndf 46.15 / 37
p0 1.524 ± 0.002754
p1 3.295e-06 ± 1.735e-06
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1.65
1.6
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1.5
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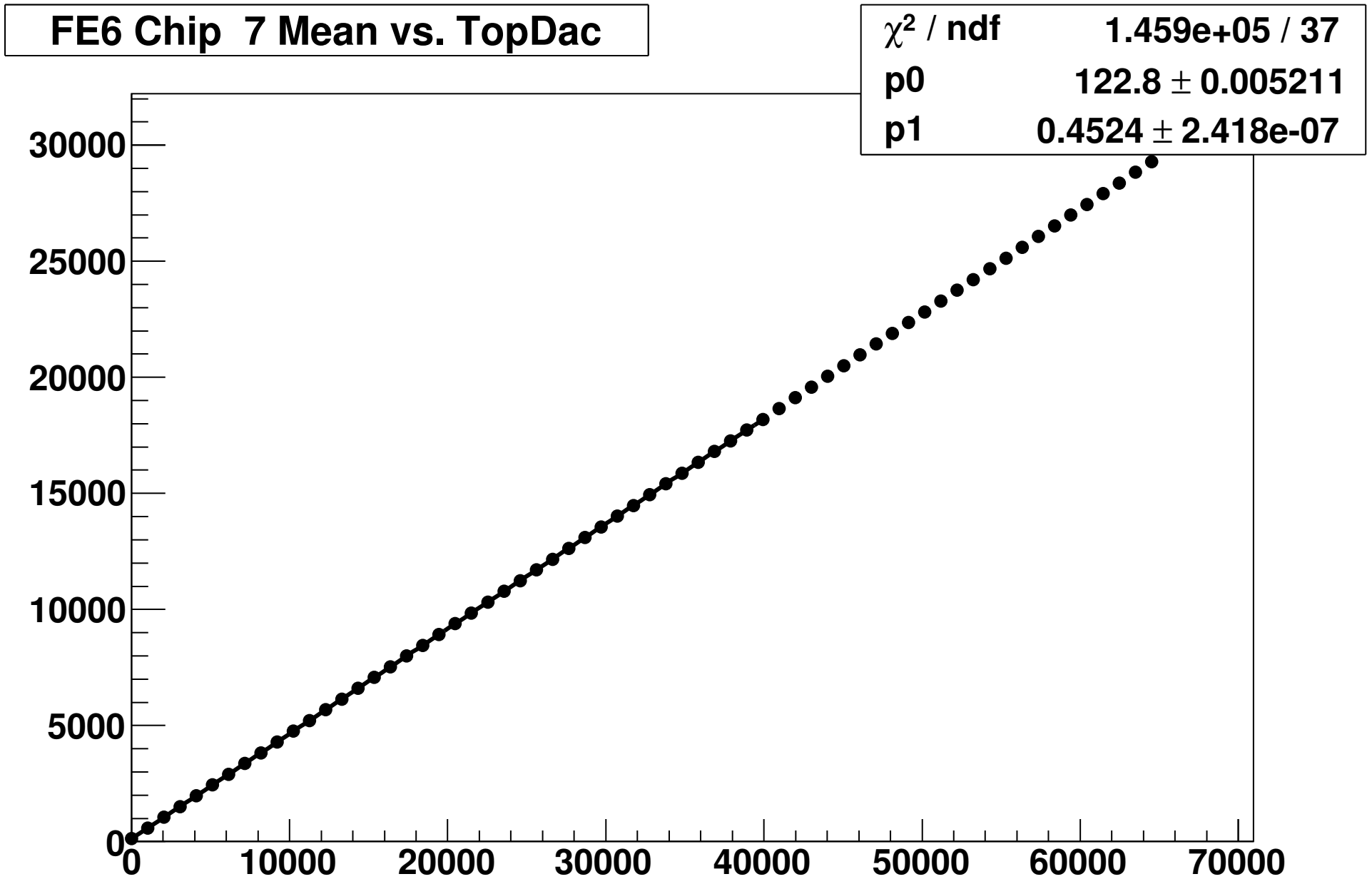
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.459e+05 / 37
p0 122.8 ± 0.005211
p1 0.4524 ± 2.418e-07
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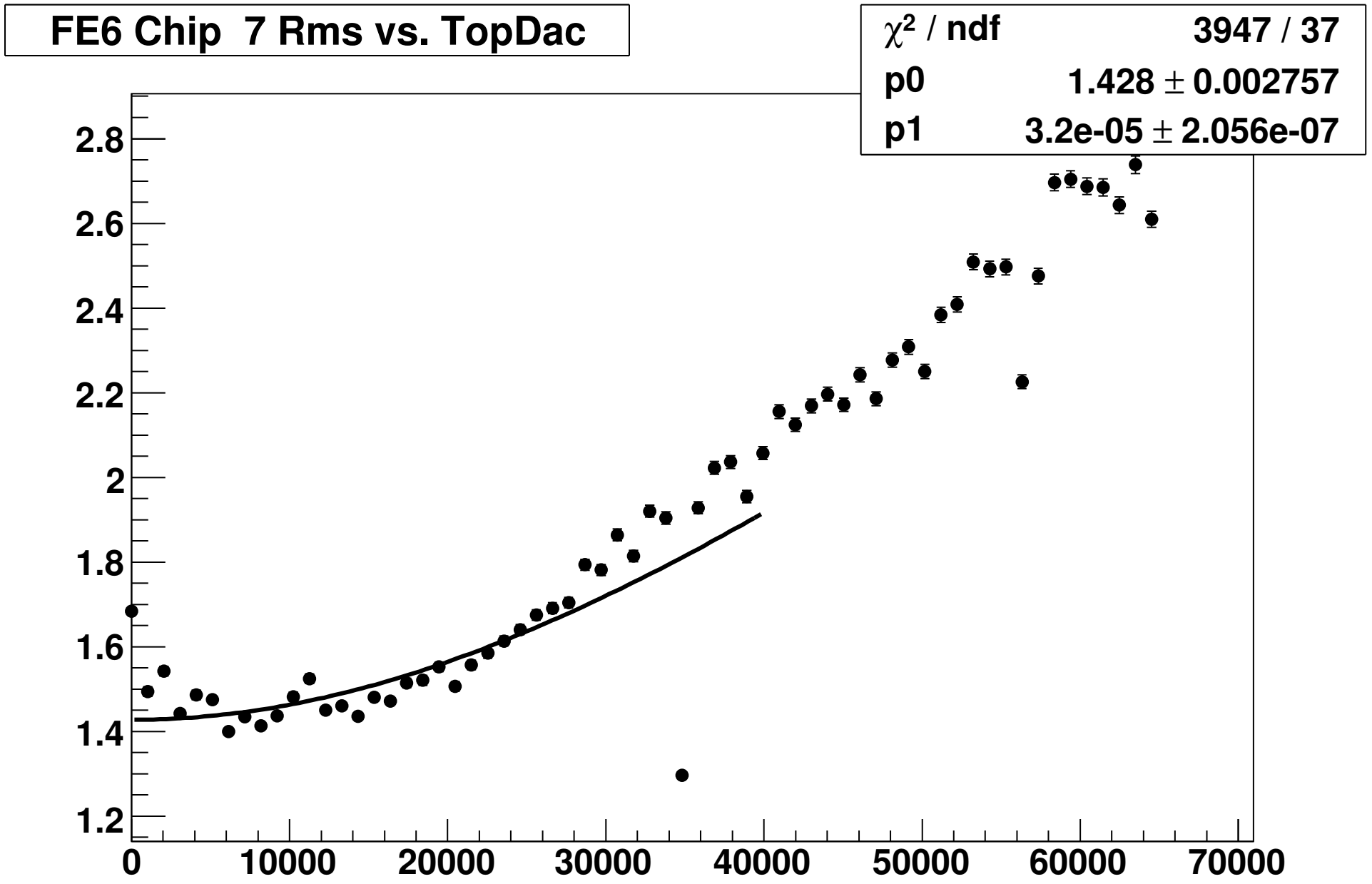
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 3947 / 37
p0 1.428 ± 0.002757
p1 3.2e-05 ± 2.056e-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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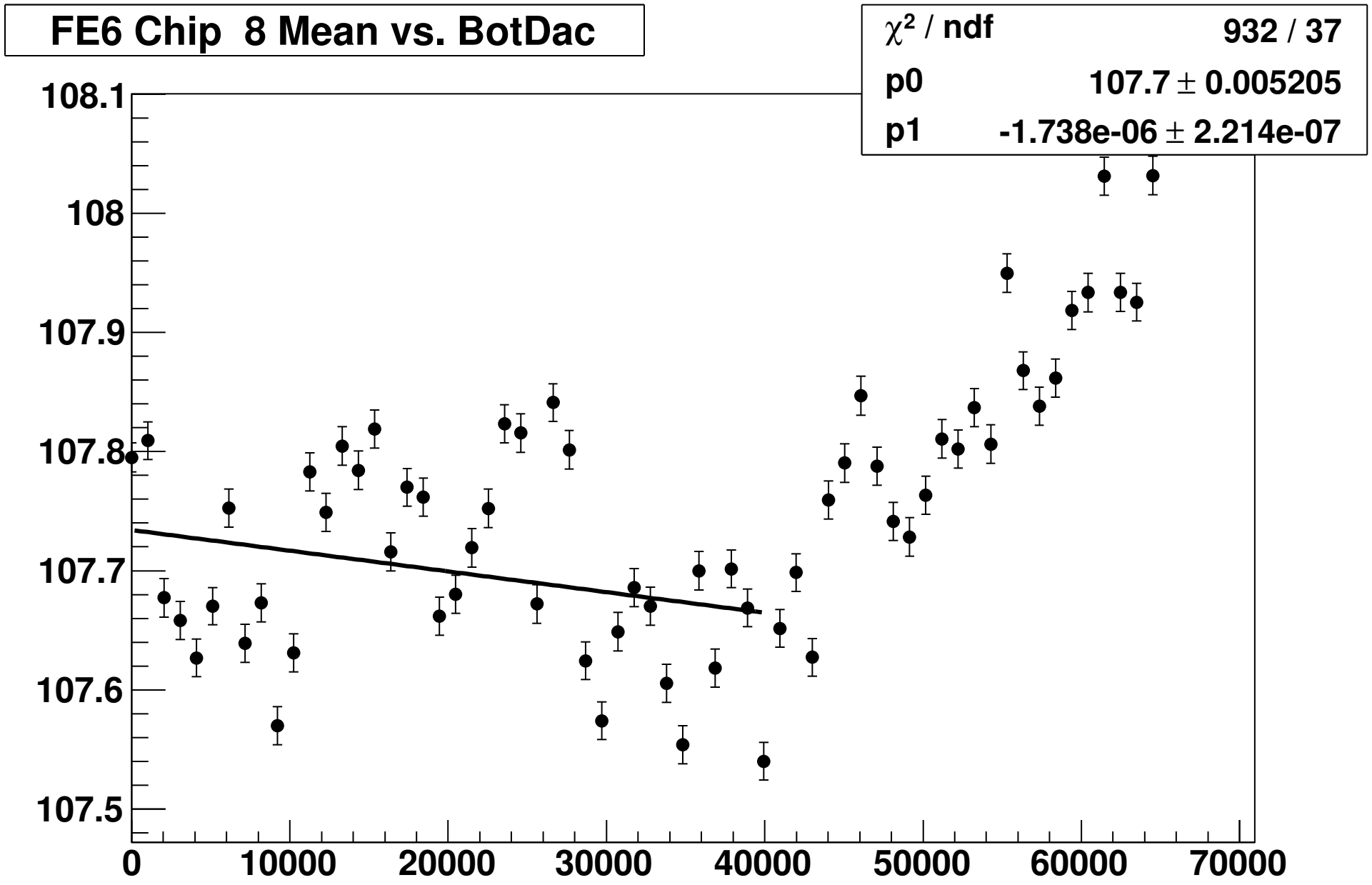
FE6 Chip 8 Mean vs. BotDac
χ² / ndf 932 / 37
p0 107.7 ± 0.005205
p1 -1.738e-06 ± 2.214e-07
108.1
108
107.9
107.8
107.7
107.6
107.5
0
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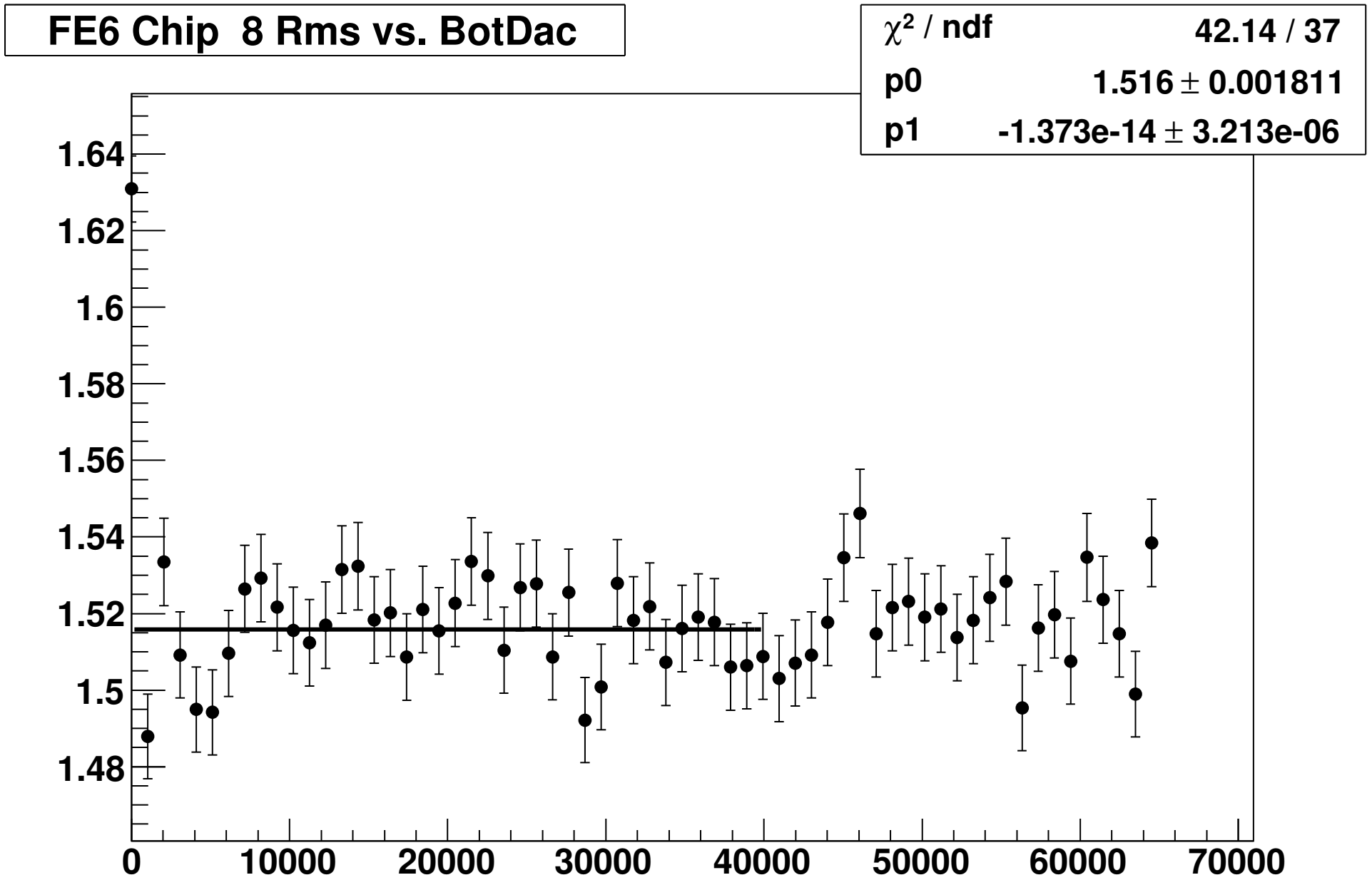
FE6 Chip 8 Rms vs. BotDac
χ² / ndf 42.14 / 37
p0 1.516 ± 0.001811
p1 -1.373e-14 ± 3.213e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
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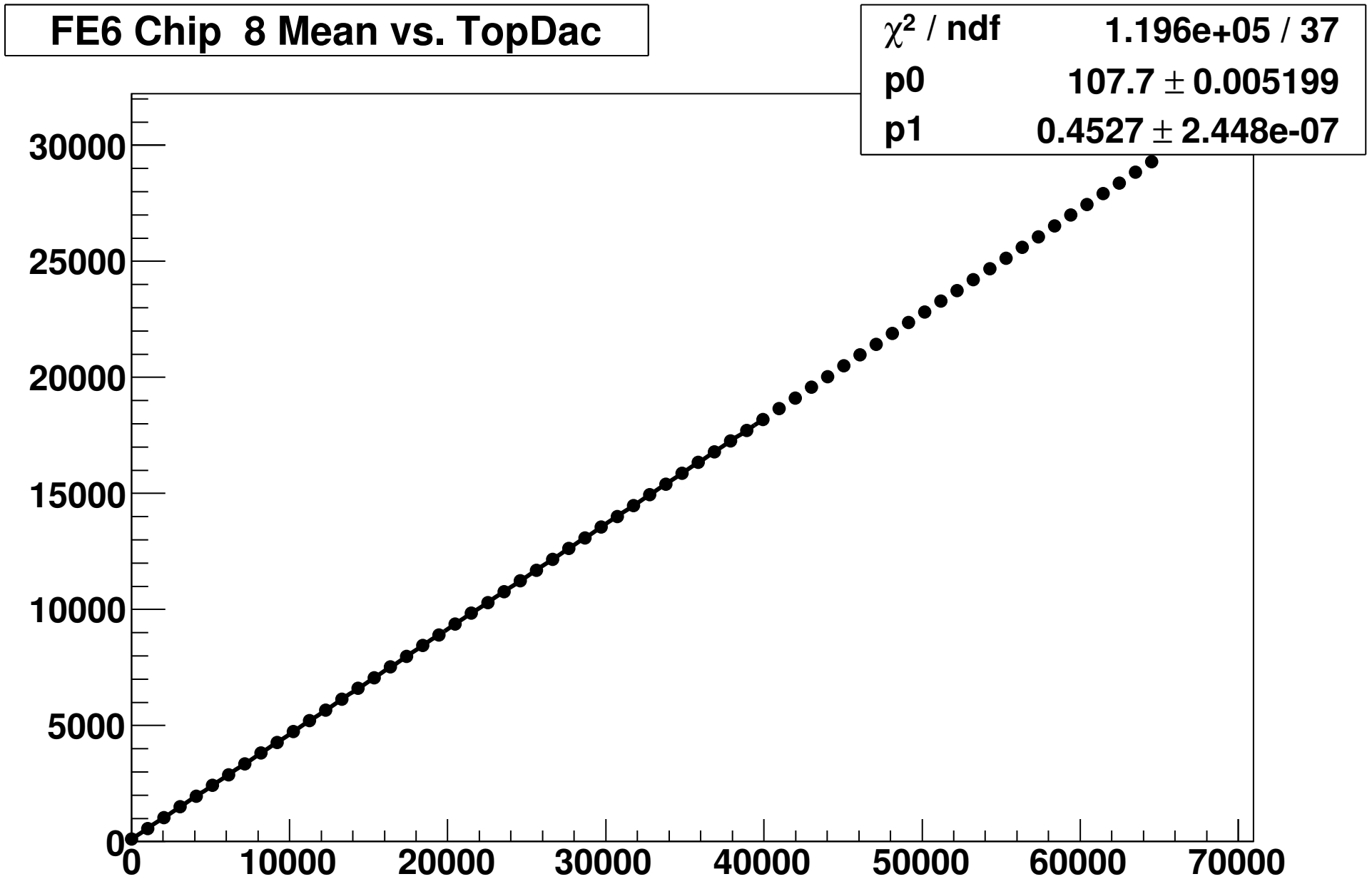
FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.196e+05 / 37
p0 107.7 ± 0.005199
p1 0.4527 ± 2.448e-07
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10000
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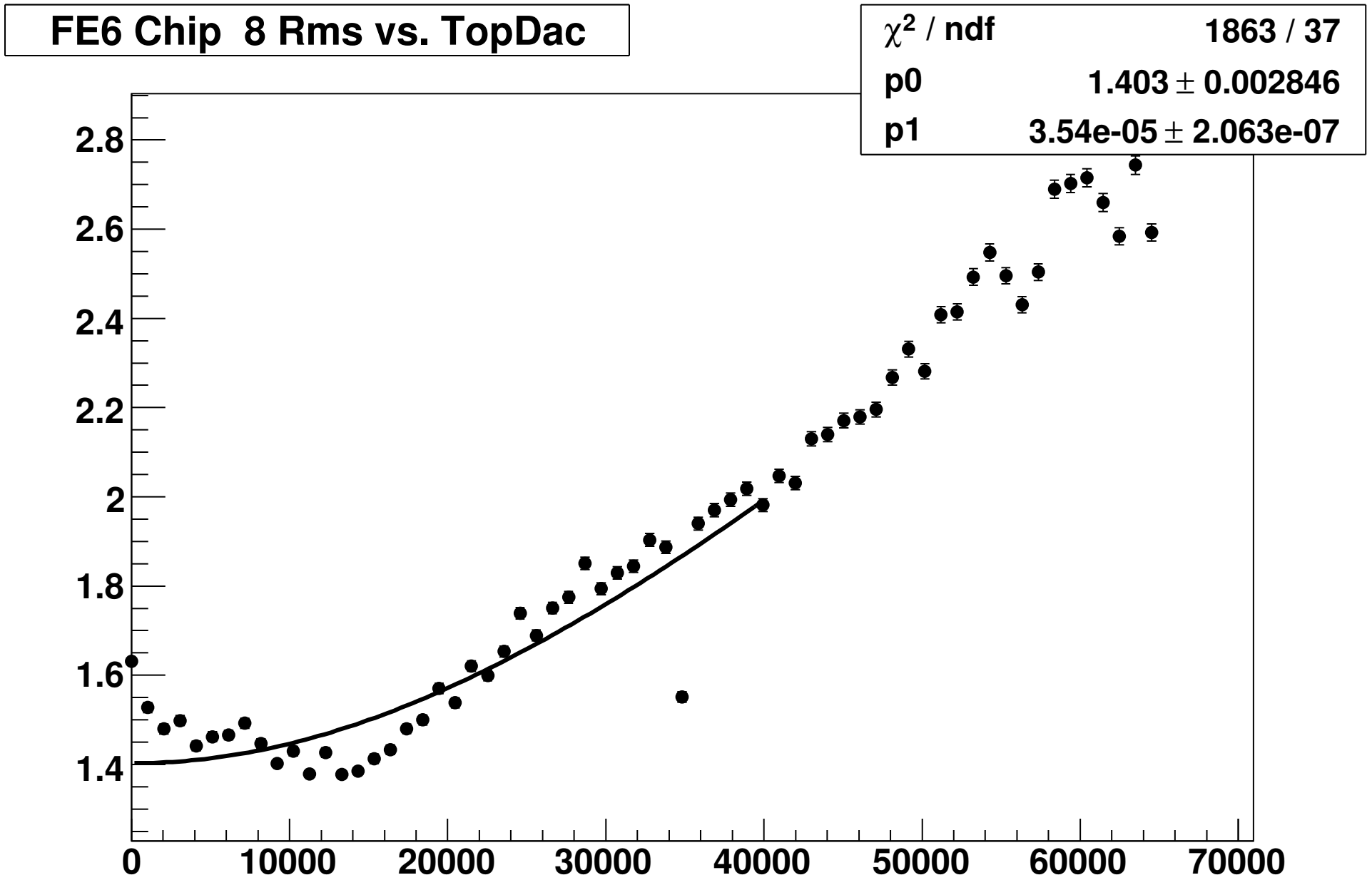
FE6 Chip 8 Rms vs. TopDac
χ² / ndf 1863 / 37
p0 1.403 ± 0.002846
p1 3.54e-05 ± 2.063e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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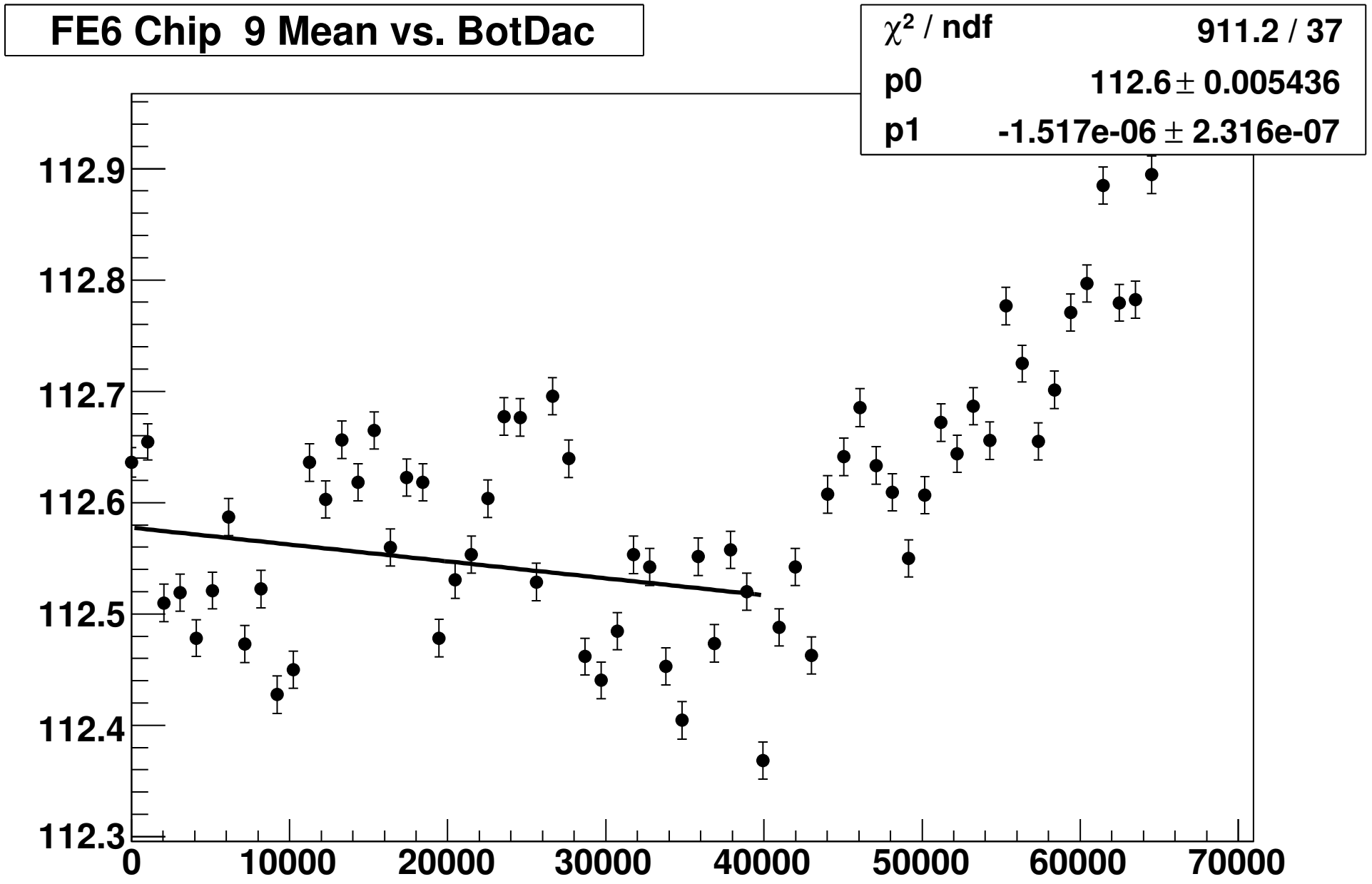
FE6 Chip 9 Mean vs. BotDac
χ² / ndf 911.2 / 37
p0 112.6 ± 0.005436
p1 -1.517e-06 ± 2.316e-07
112.9
112.8
112.7
112.6
112.5
112.4
112.3
0
10000
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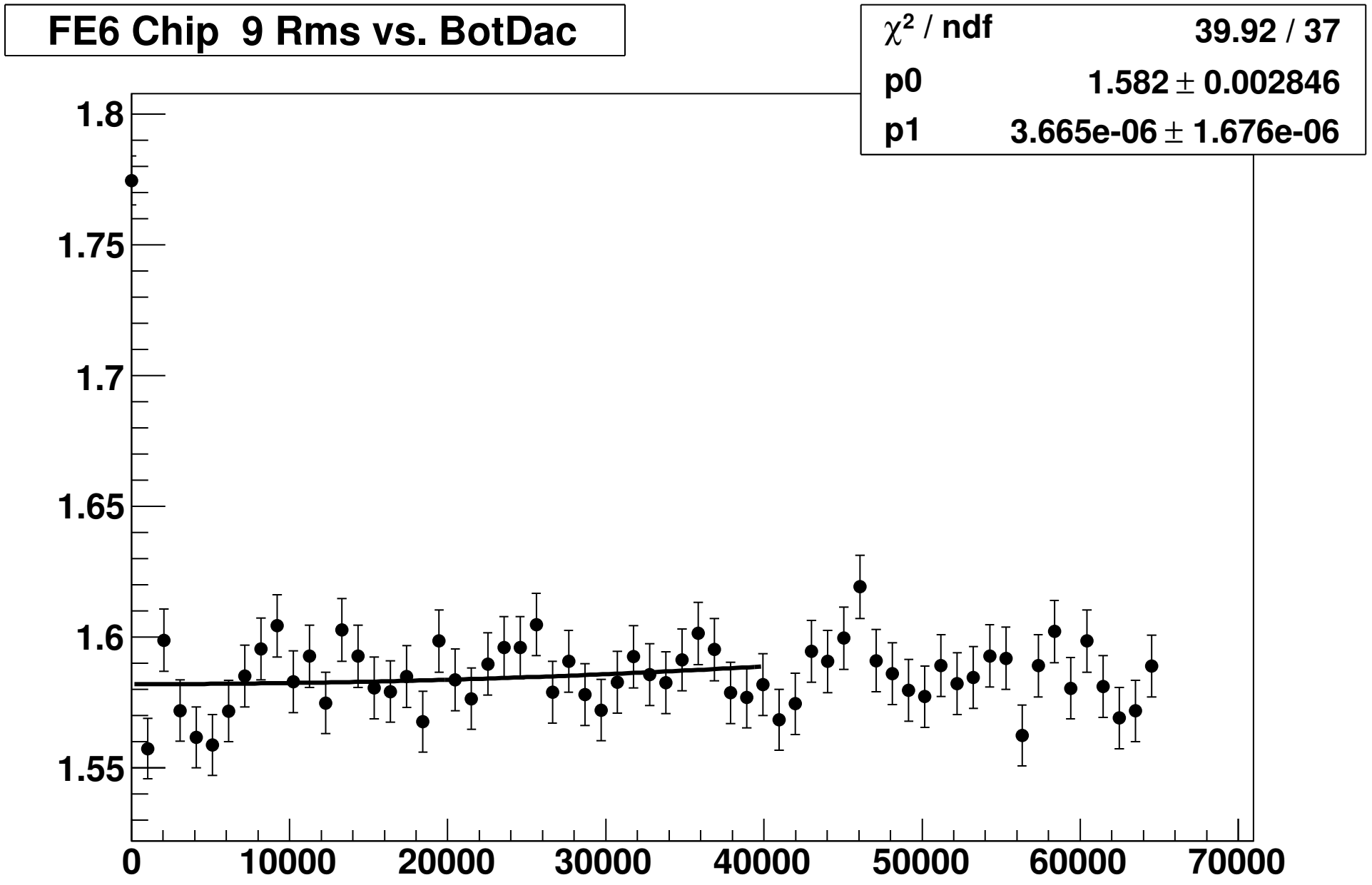
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 39.92 / 37
p0 1.582 ± 0.002846
p1 3.665e-06 ± 1.676e-06
1.8
1.75
1.7
1.65
1.6
1.55
0
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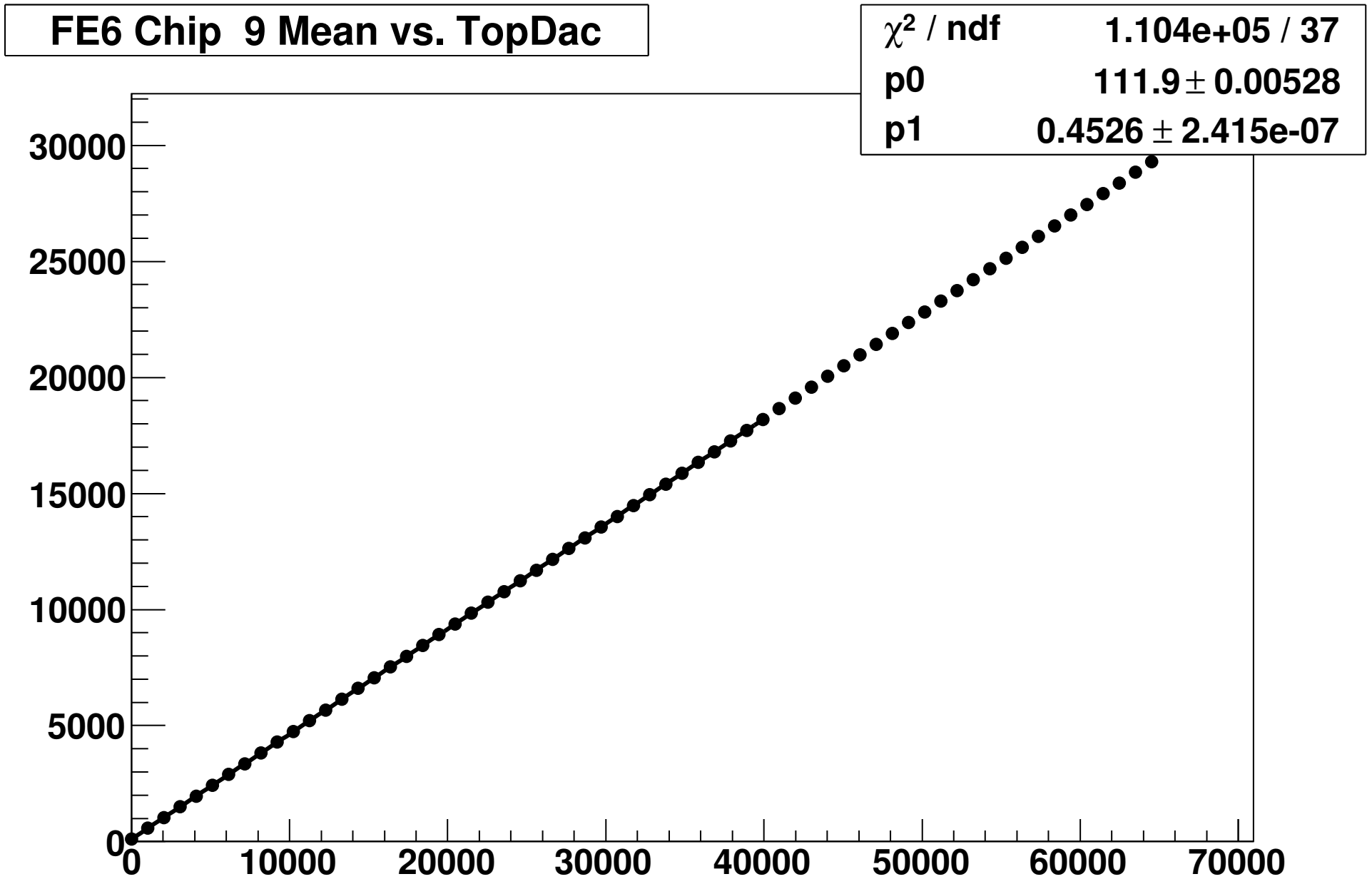
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.104e+05 / 37
p0 111.9 ± 0.00528
p1 0.4526 ± 2.415e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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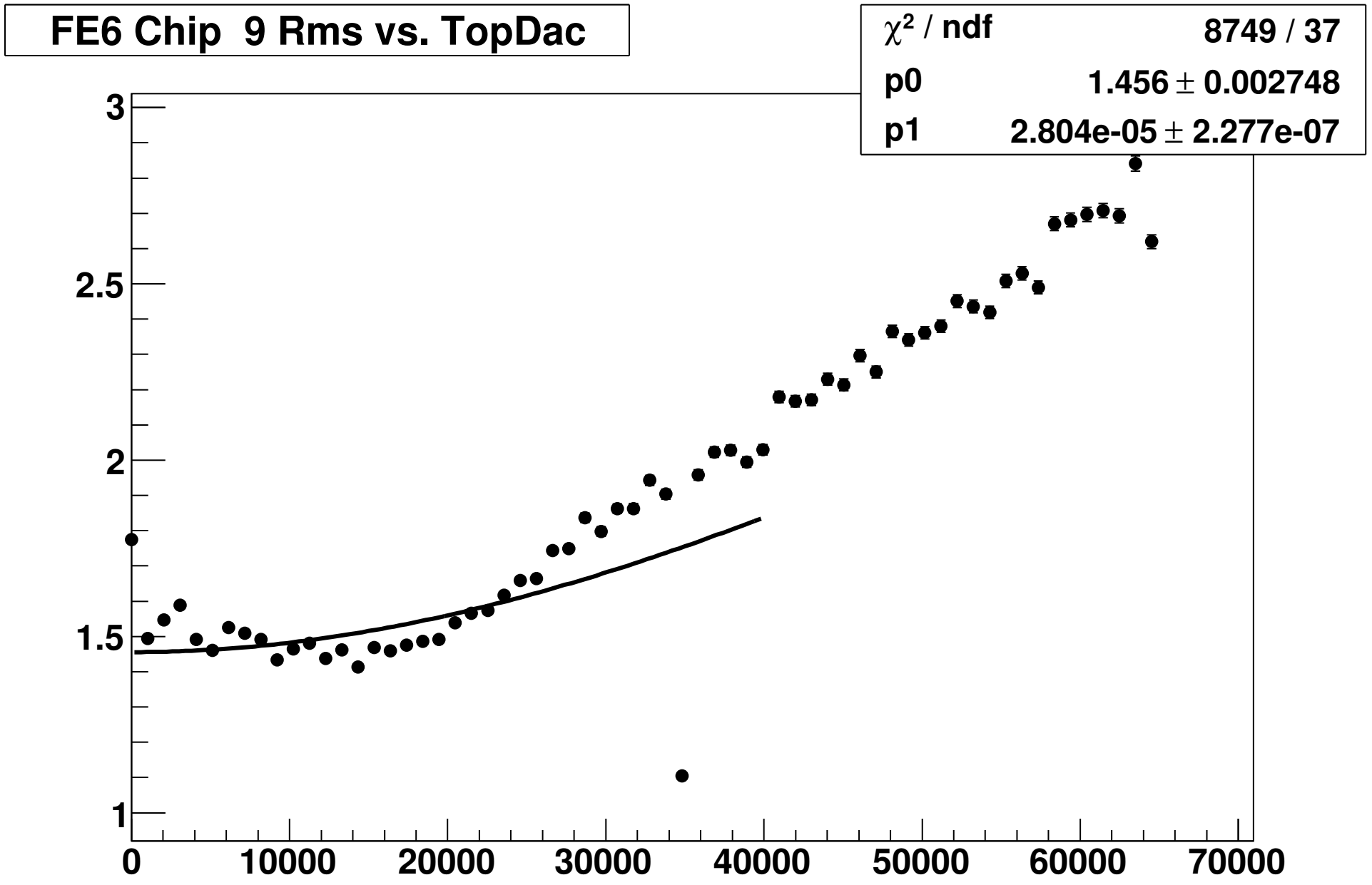
FE6 Chip 9 Rms vs. TopDac
χ² / ndf 8749 / 37
p0 1.456 ± 0.002748
p1 2.804e-05 ± 2.277e-07
3
2.5
2
1.5
1
0
10000
20000
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50000
60000
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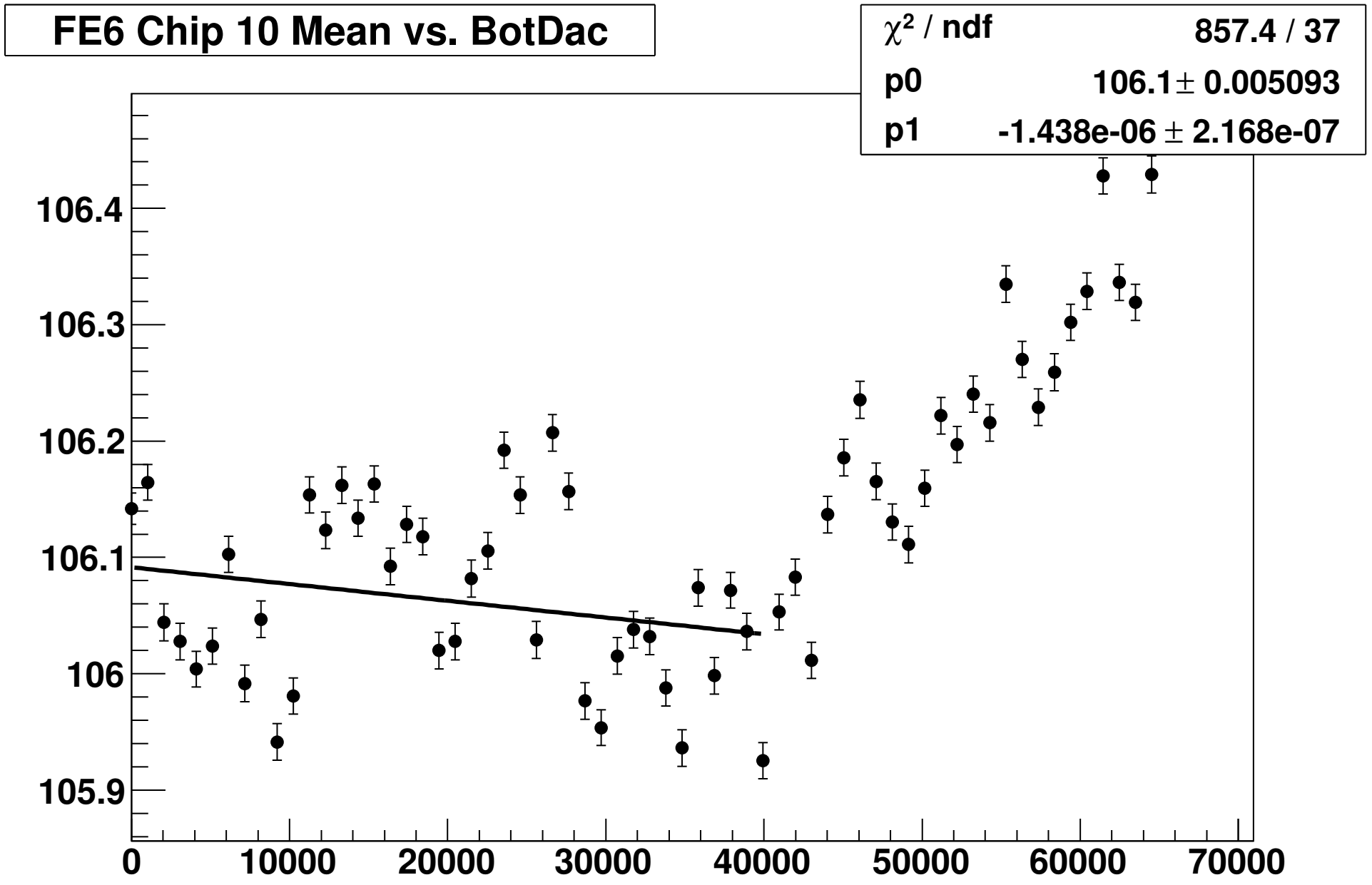
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 857.4 / 37
p0 106.1 ± 0.005093
p1 -1.438e-06 ± 2.168e-07
106.4
106.3
106.2
106.1
106
105.9
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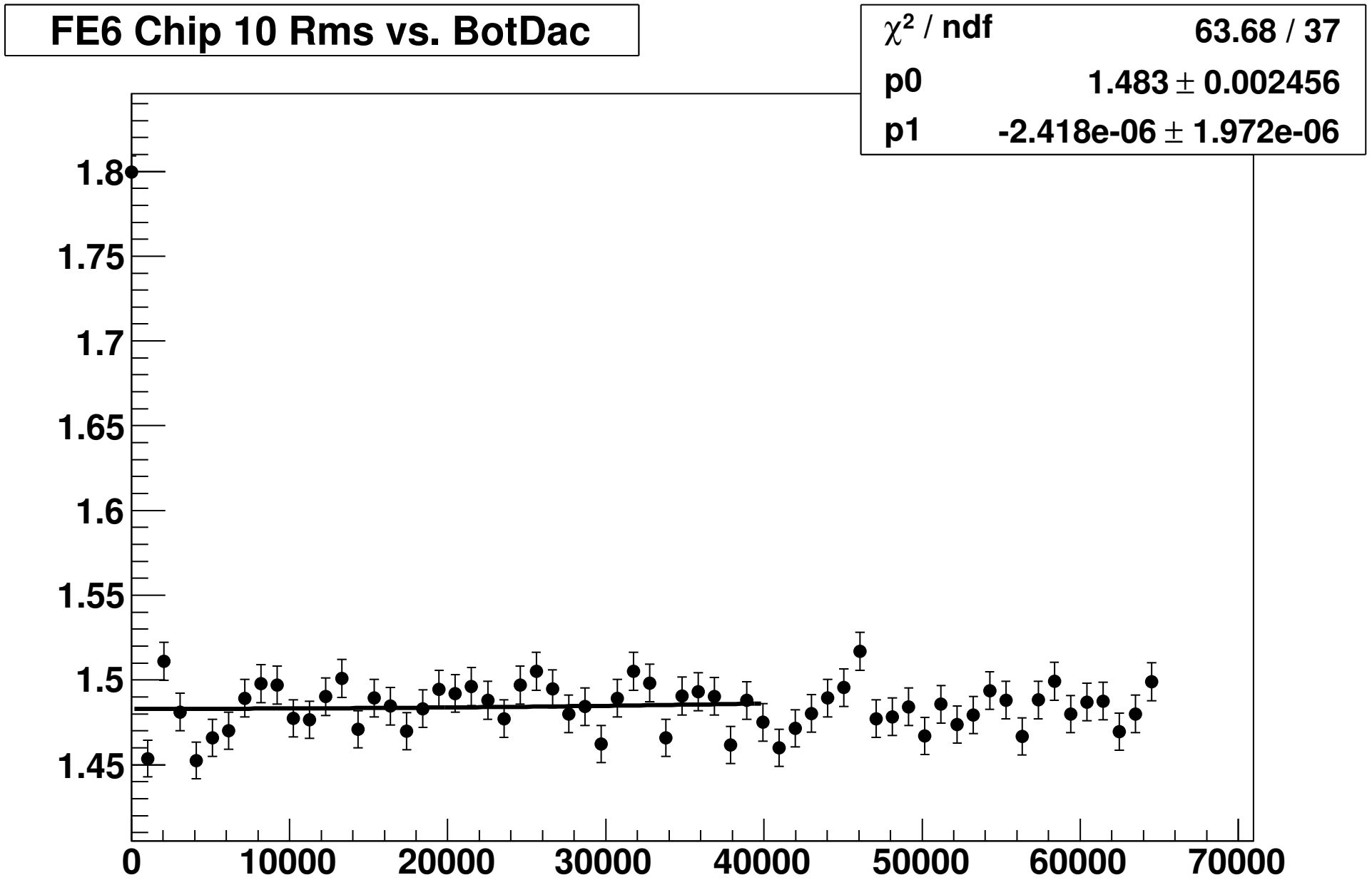
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 63.68 / 37
p0 1.483 ± 0.002456
p1 -2.418e-06 ± 1.972e-06
1.8
1.75
1.7
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1.6
1.55
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1.45
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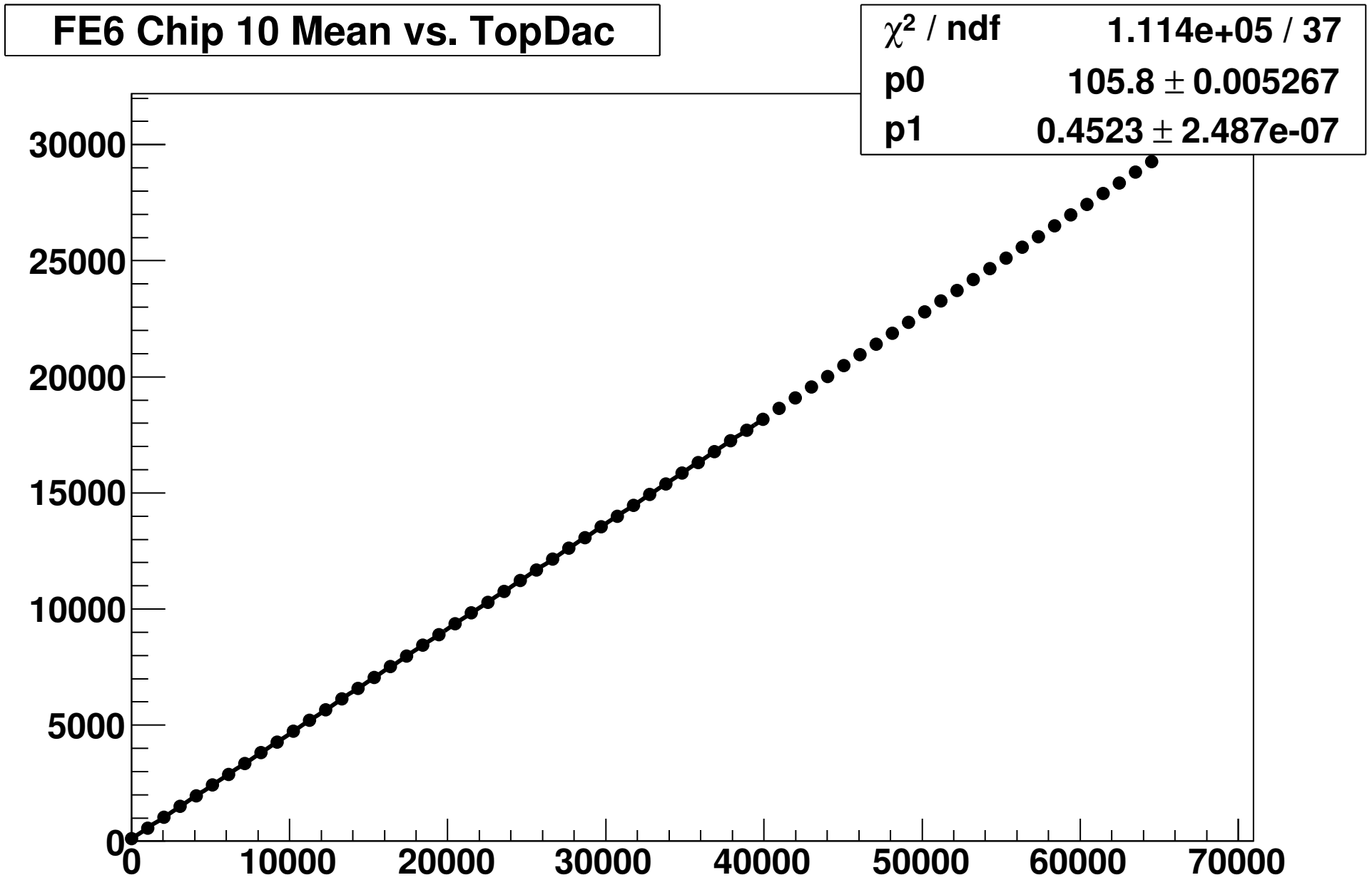
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.114e+05 / 37
p0 105.8 ± 0.005267
p1 0.4523 ± 2.487e-07
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0
10000
20000
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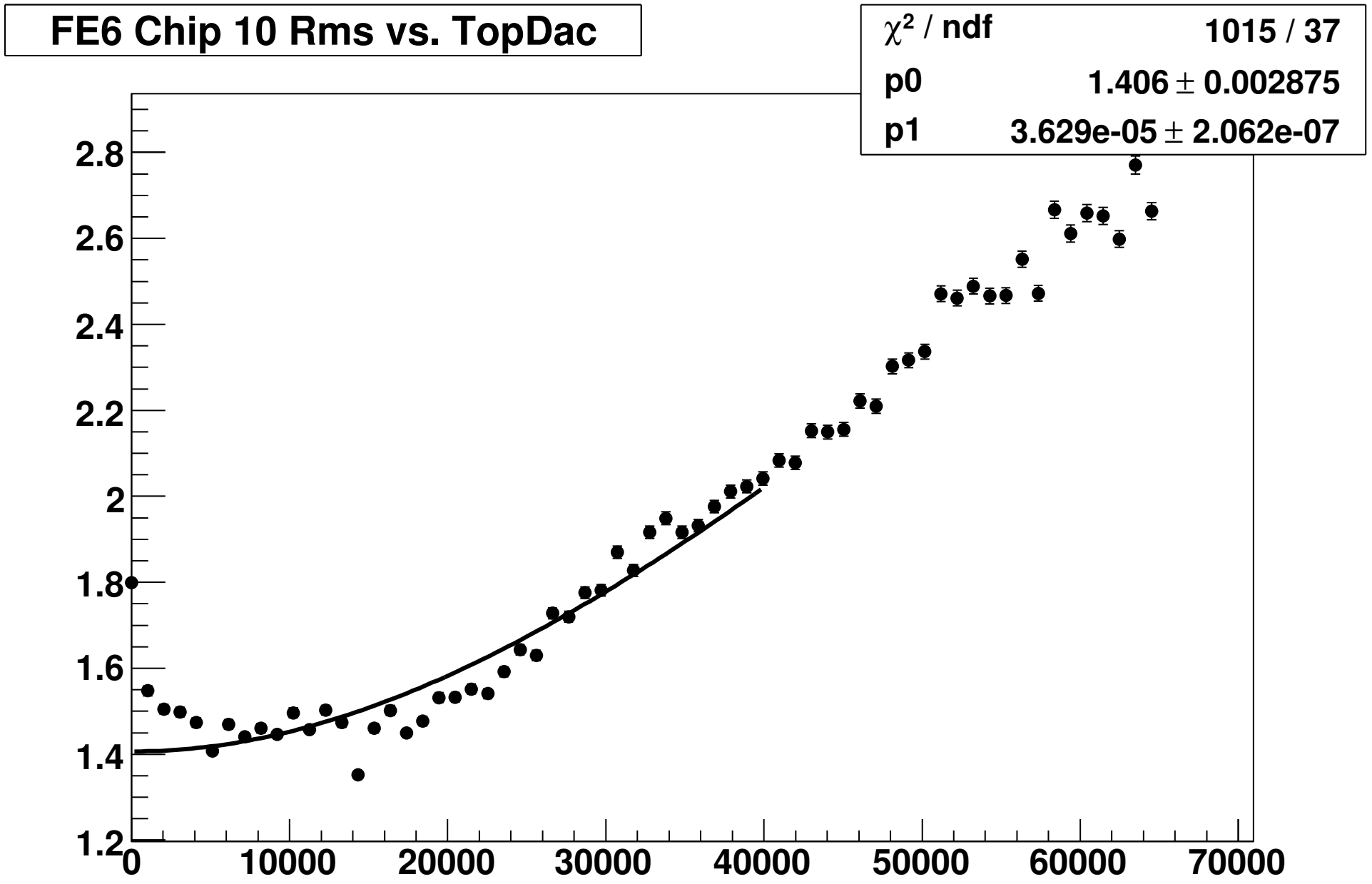
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1015 / 37
p0 1.406 ± 0.002875
p1 3.629e-05 ± 2.062e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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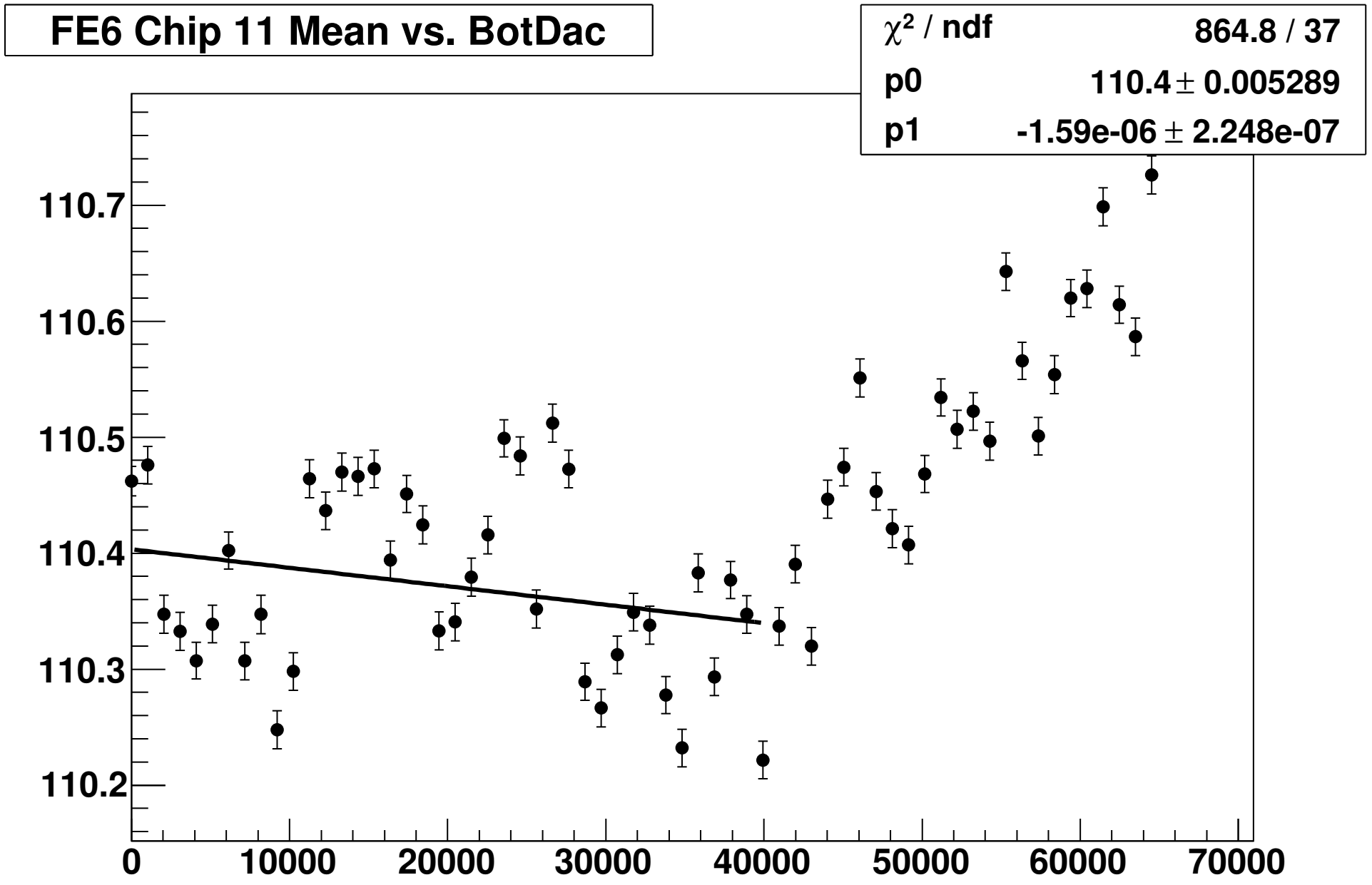
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 864.8 / 37
p0 110.4 ± 0.005289
p1 -1.59e-06 ± 2.248e-07
110.7
110.6
110.5
110.4
110.3
110.2
0
10000
20000
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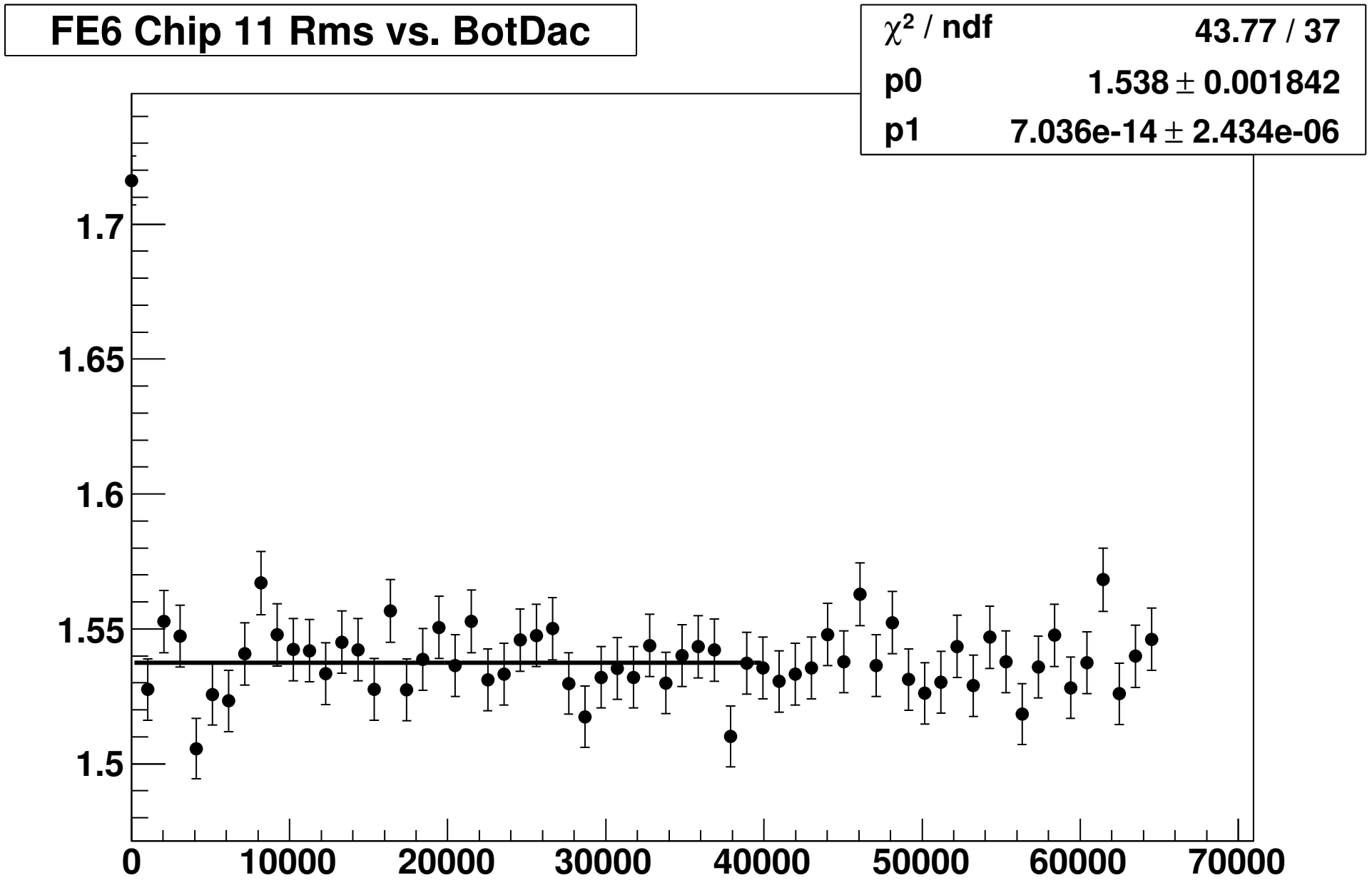
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 43.77 / 37
p0 1.538 ± 0.001842
p1 7.036e-14 ± 2.434e-06
1.7
1.65
1.6
1.55
1.5
0
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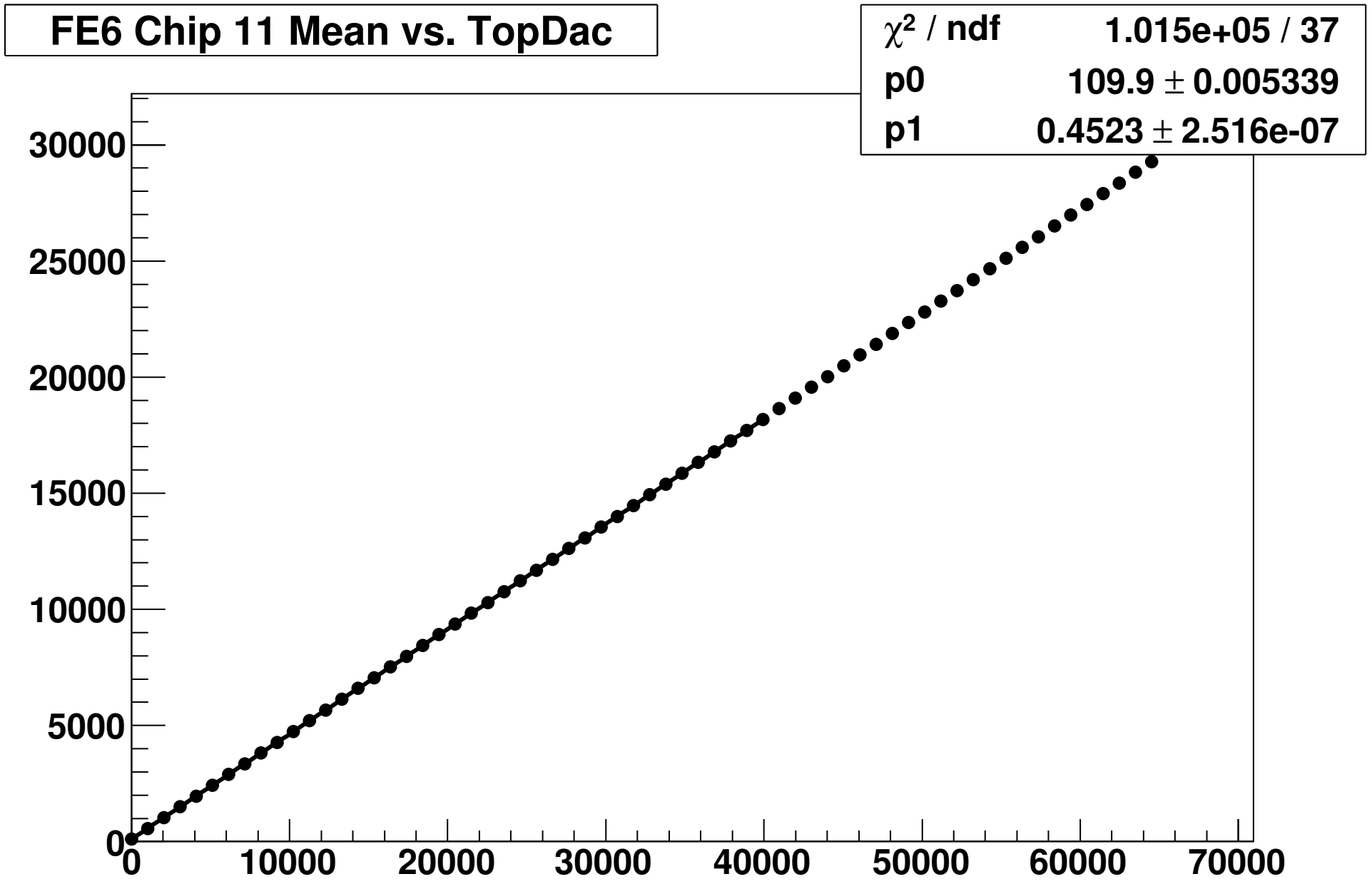
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.015e+05 / 37
p0 109.9 ± 0.005339
p1 0.4523 ± 2.516e-07
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20000
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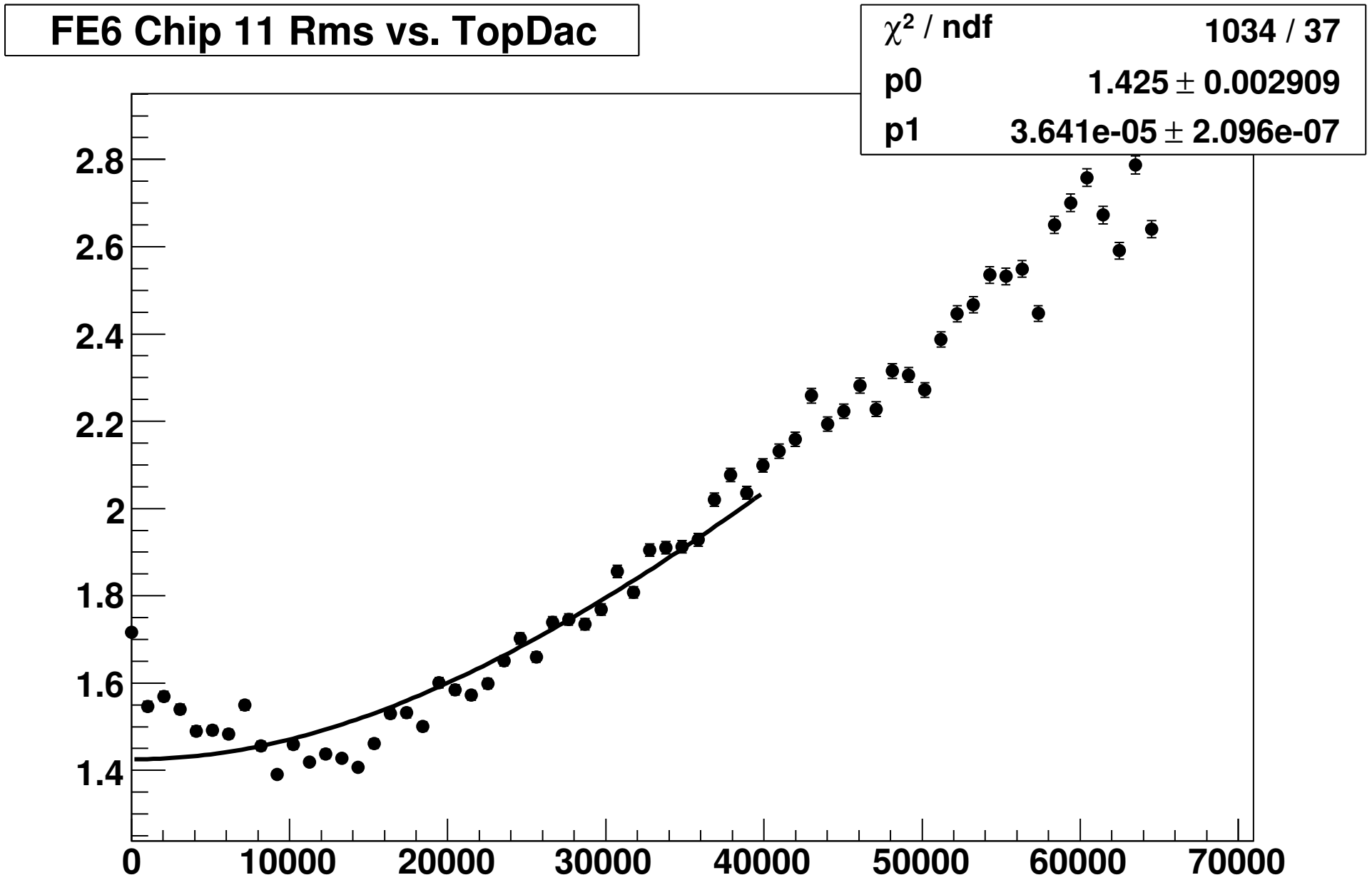
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1034 / 37
p0 1.425 ± 0.002909
p1 3.641e-05 ± 2.096e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
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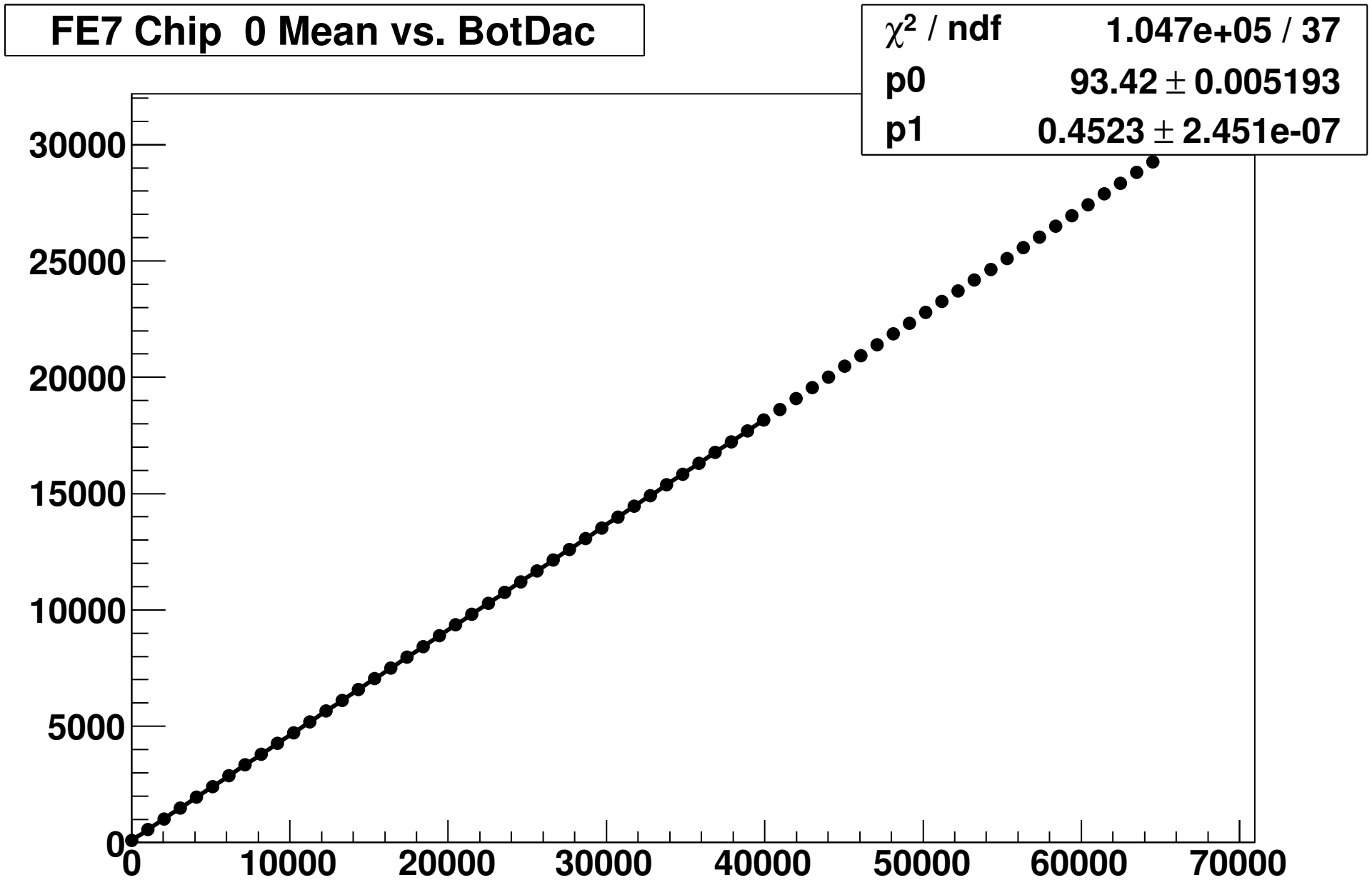
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.047e+05 / 37
p0 93.42 ± 0.005193
p1 0.4523 ± 2.451e-07
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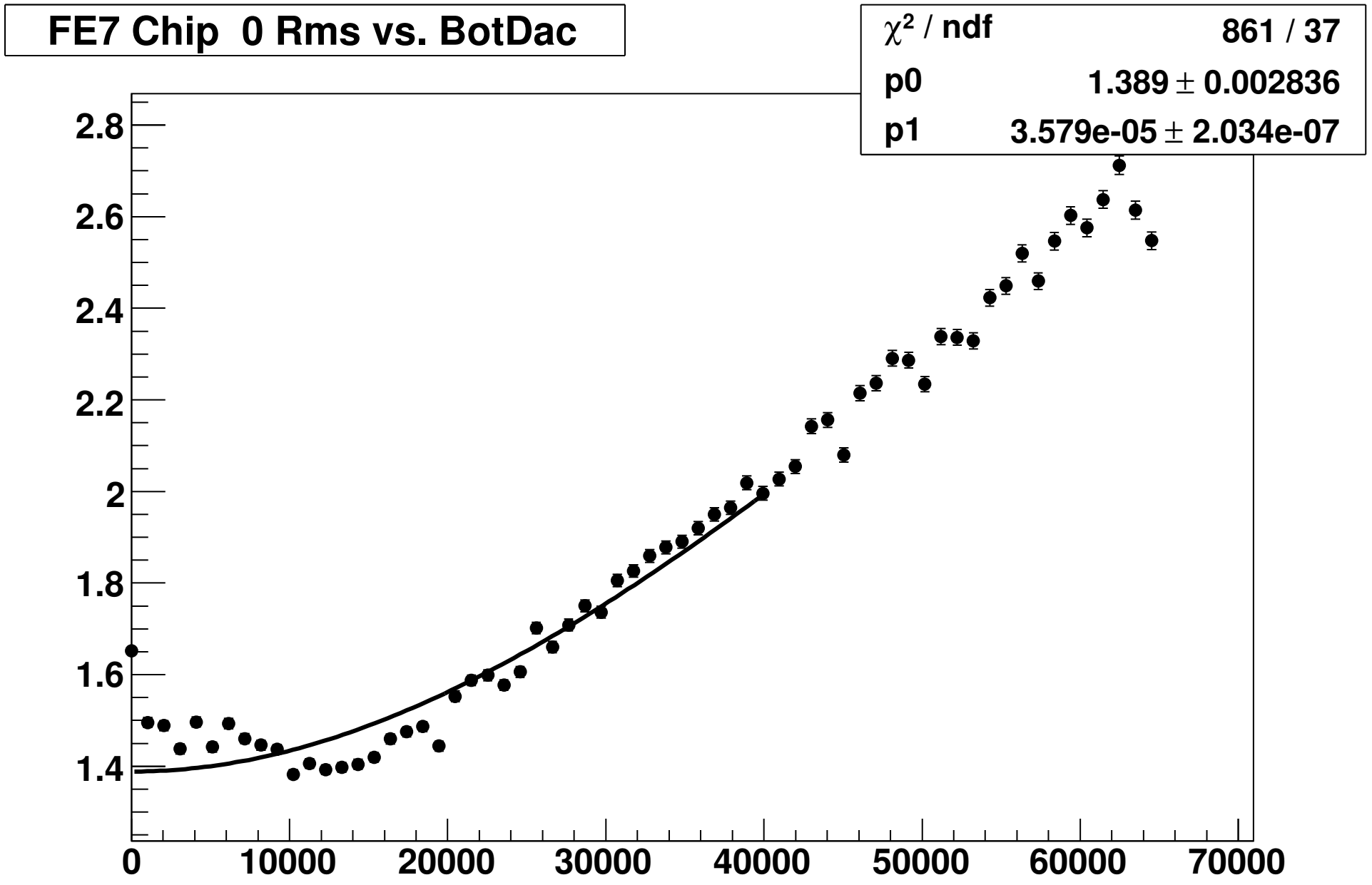
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 861 / 37
p0 1.389 ± 0.002836
p1 3.579e-05 ± 2.034e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
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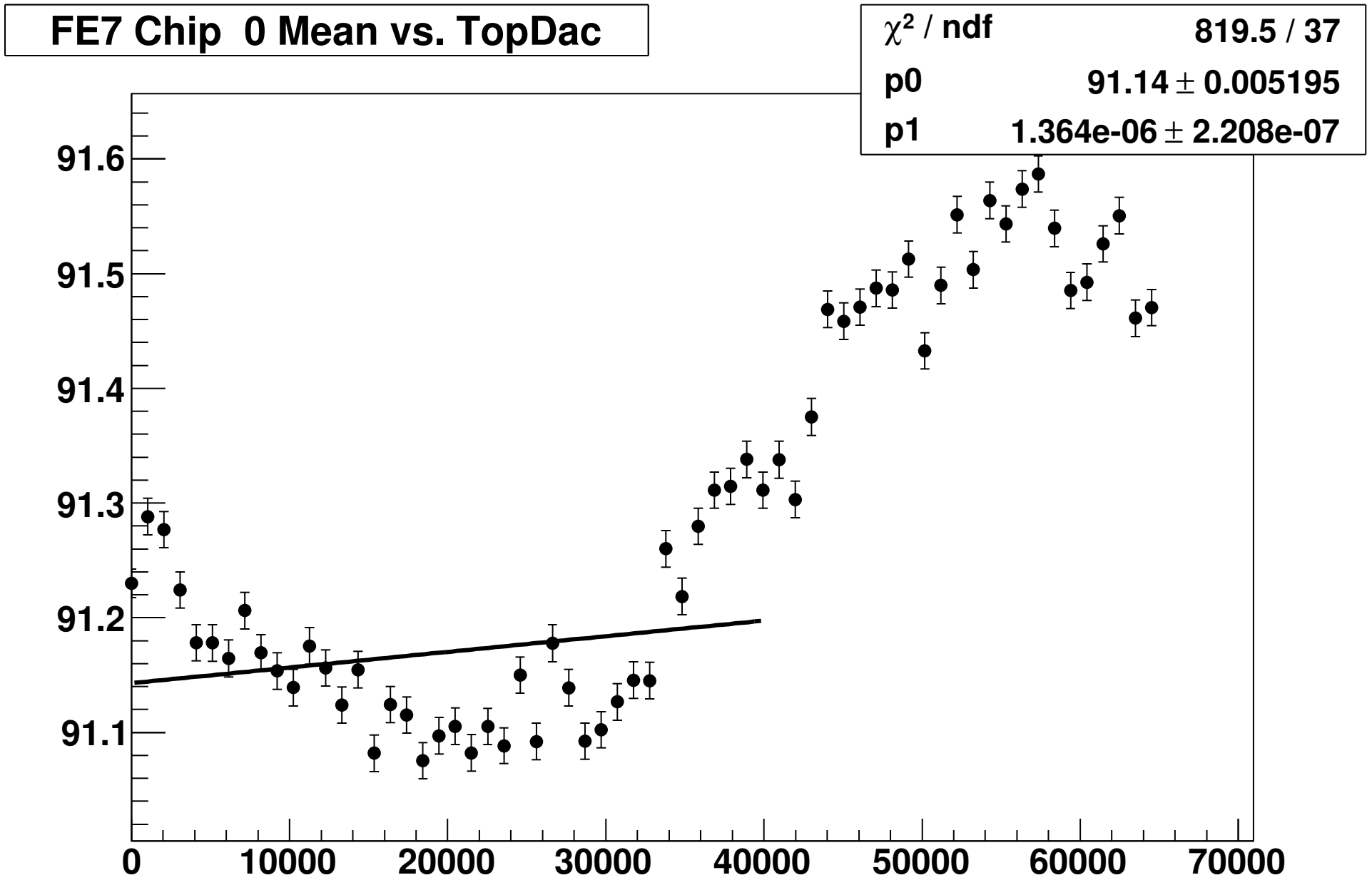
40000
50000
60000
70000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 819.5 / 37
p0 91.14 ± 0.005195
p1 1.364e-06 ± 2.208e-07
91.6
91.5
91.4
91.3
91.2
91.1
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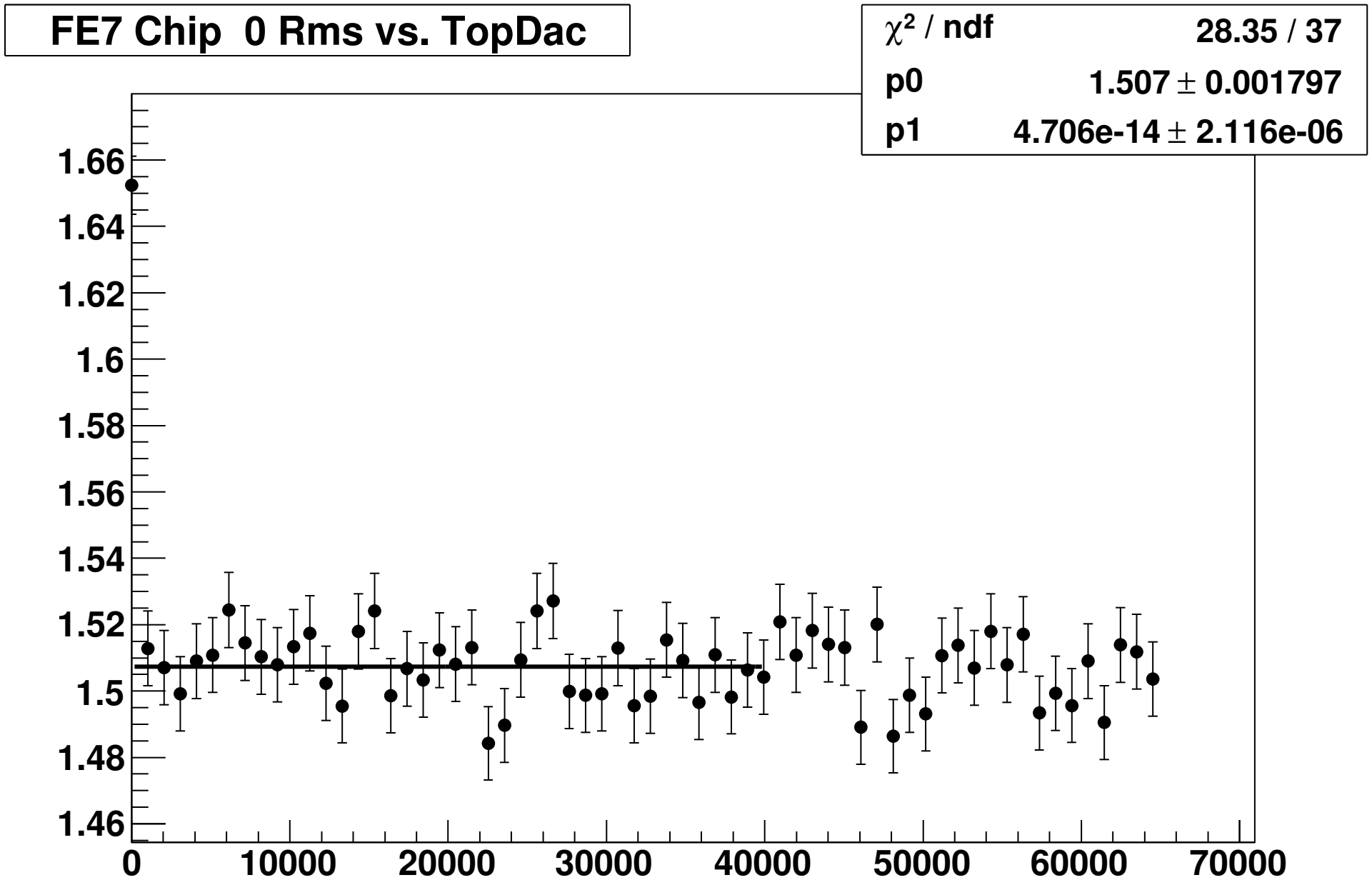
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 28.35 / 37
p0 1.507 ± 0.001797
p1 4.706e-14 ± 2.116e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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50000
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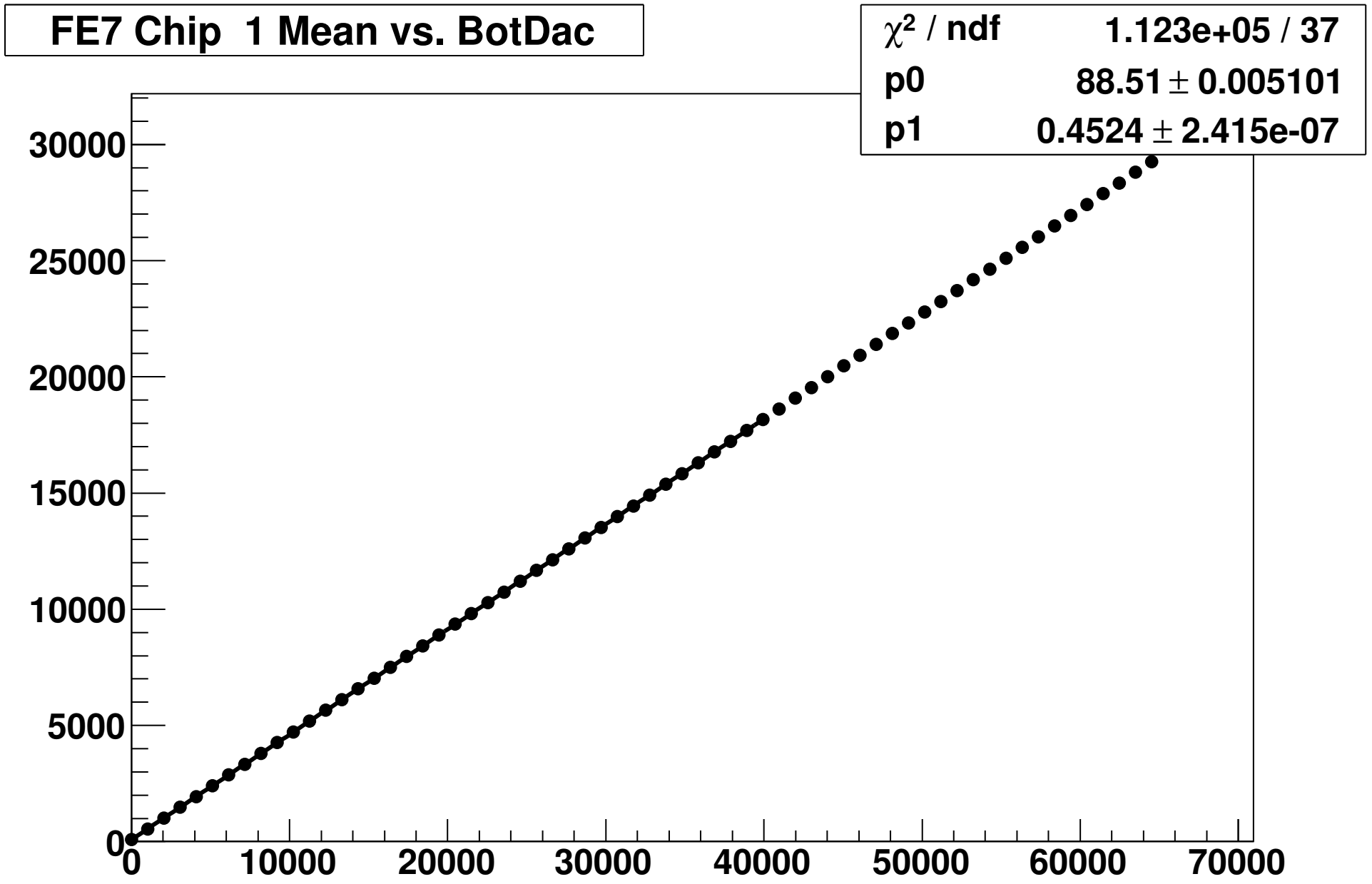
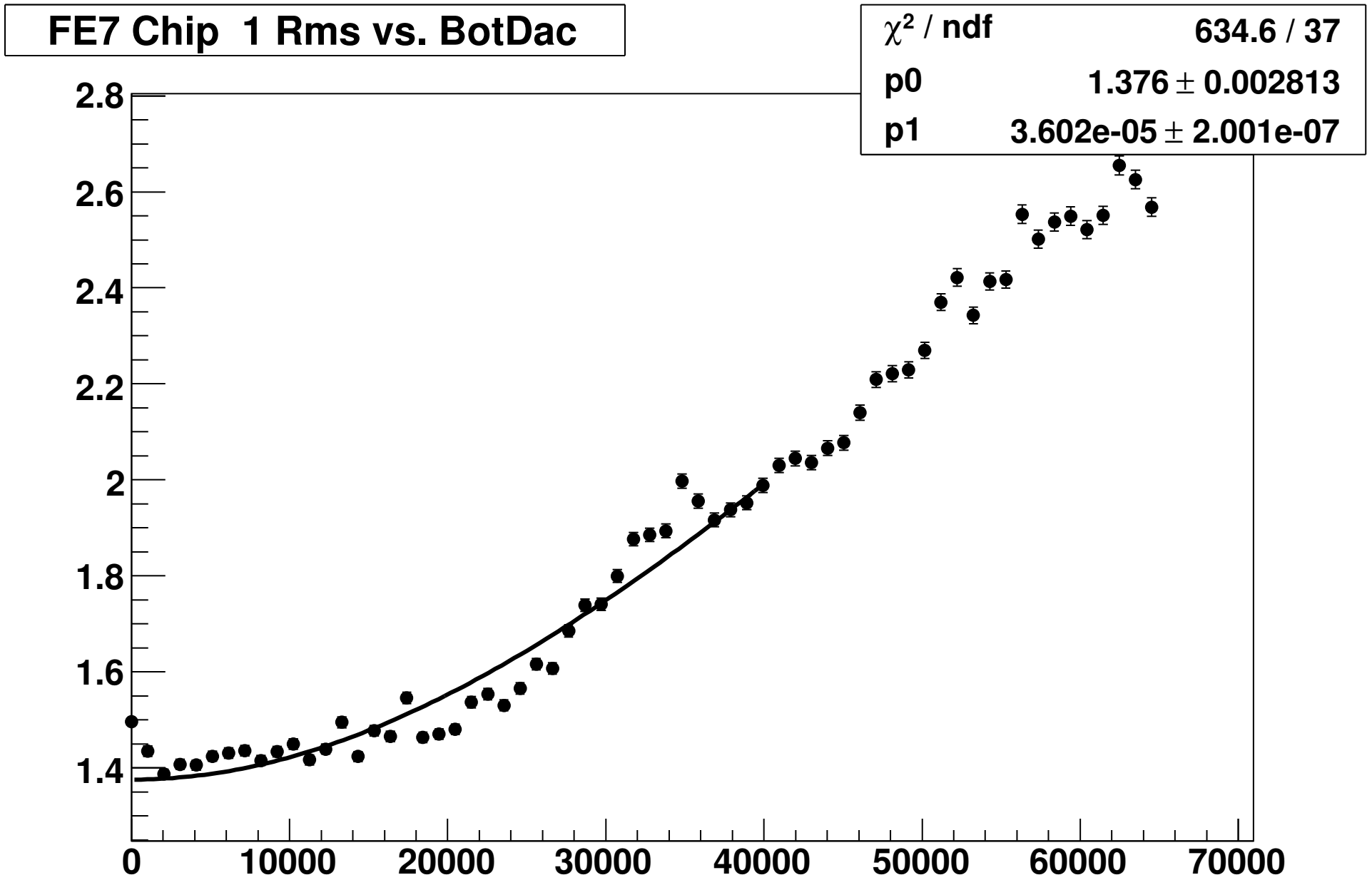

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.123e+05 / 37
p0 88.51 ± 0.005101
p1 0.4524 ± 2.415e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 634.6 / 37
p0 1.376 ± 0.002813
p1 3.602e-05 ± 2.001e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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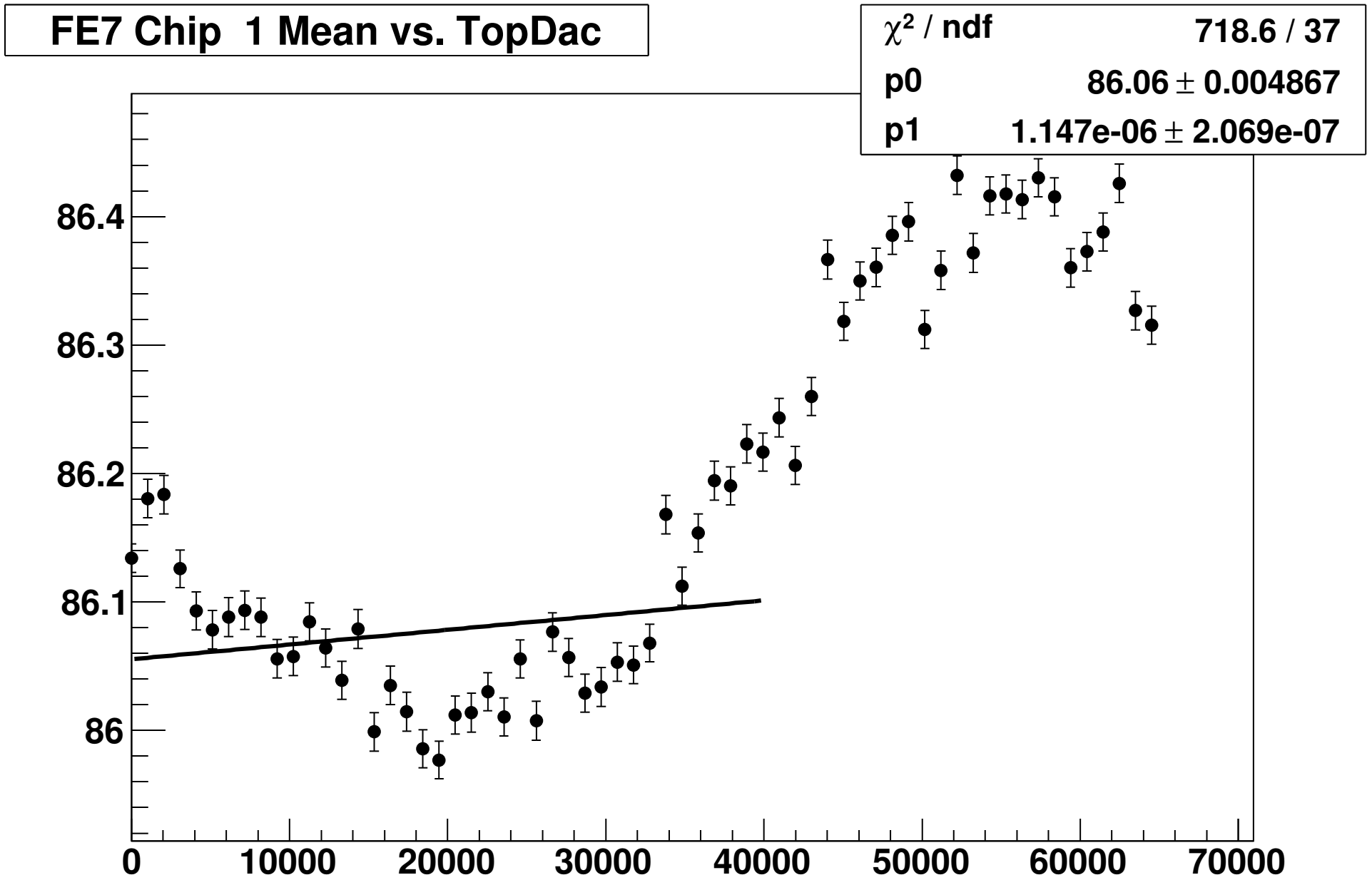
FE7 Chip 1 Mean vs. TopDac
χ² / ndf 718.6 / 37
p0 86.06 ± 0.004867
p1 1.147e-06 ± 2.069e-07
86.4
86.3
86.2
86.1
86
0
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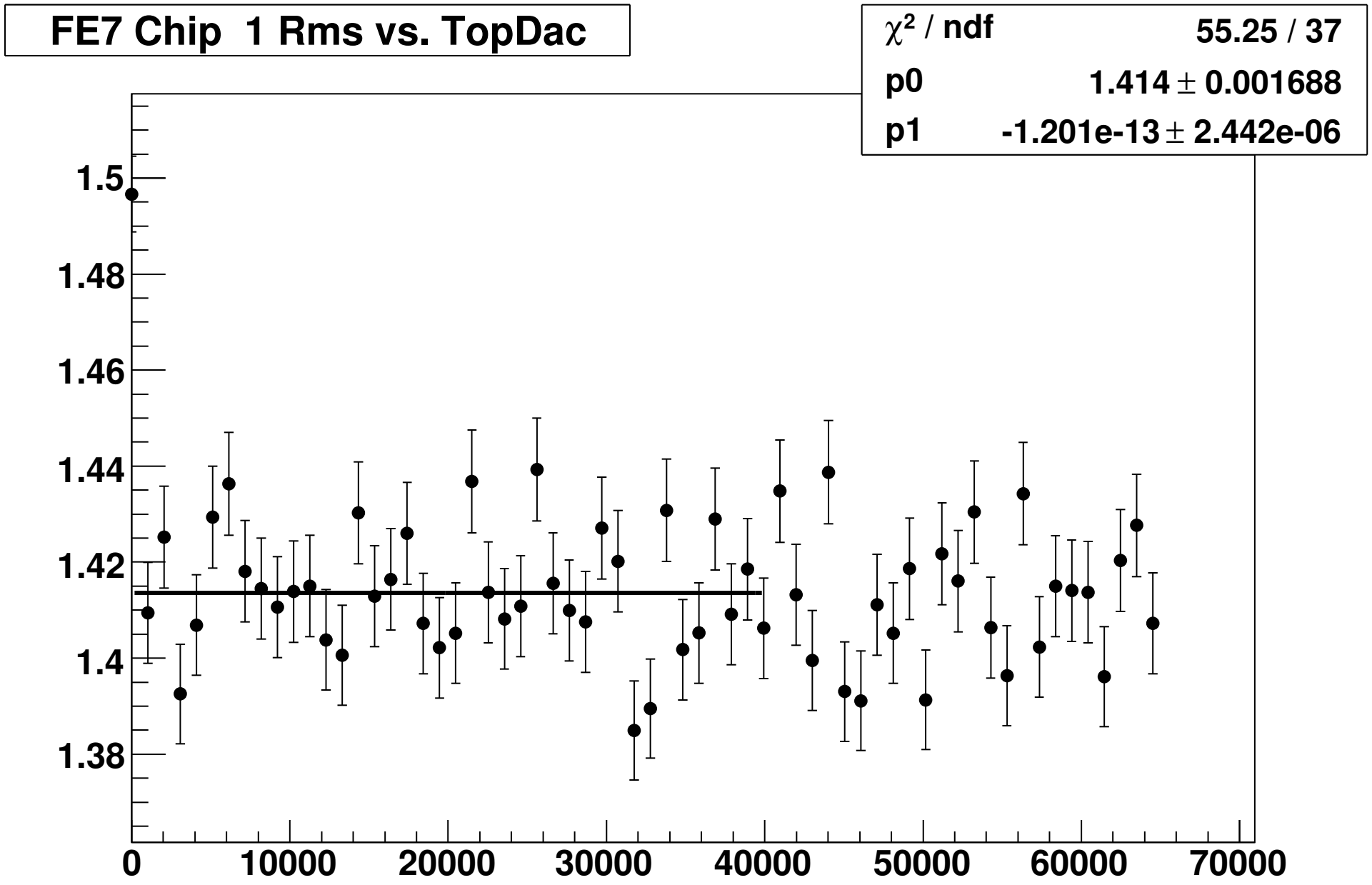
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 55.25 / 37
p0 1.414 ± 0.001688
p1 -1.201e-13 ± 2.442e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
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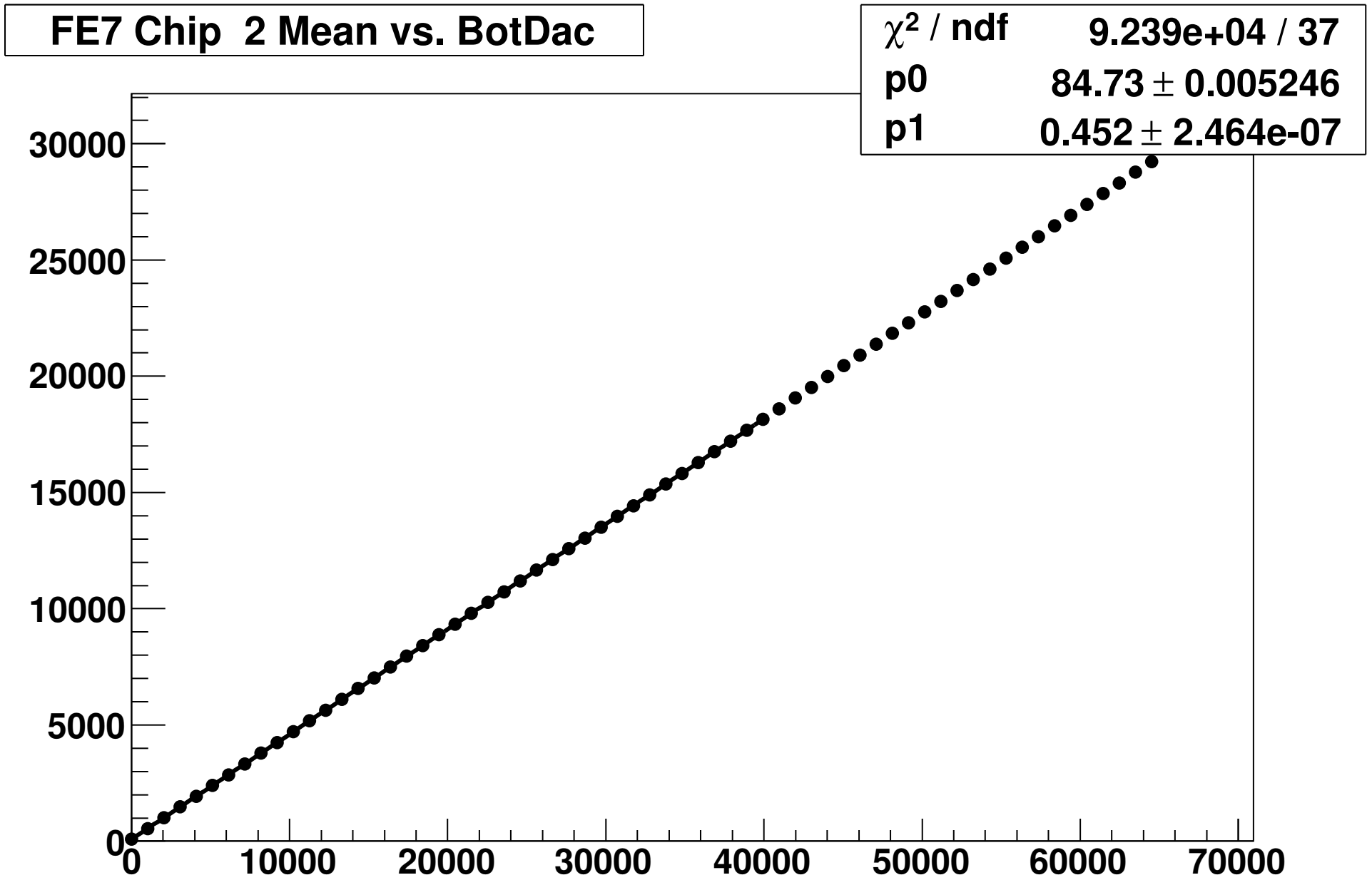
FE7 Chip 2 Mean vs. BotDac
χ² / ndf 9.239e+04 / 37
p0 84.73 ± 0.005246
p1 0.452 ± 2.464e-07
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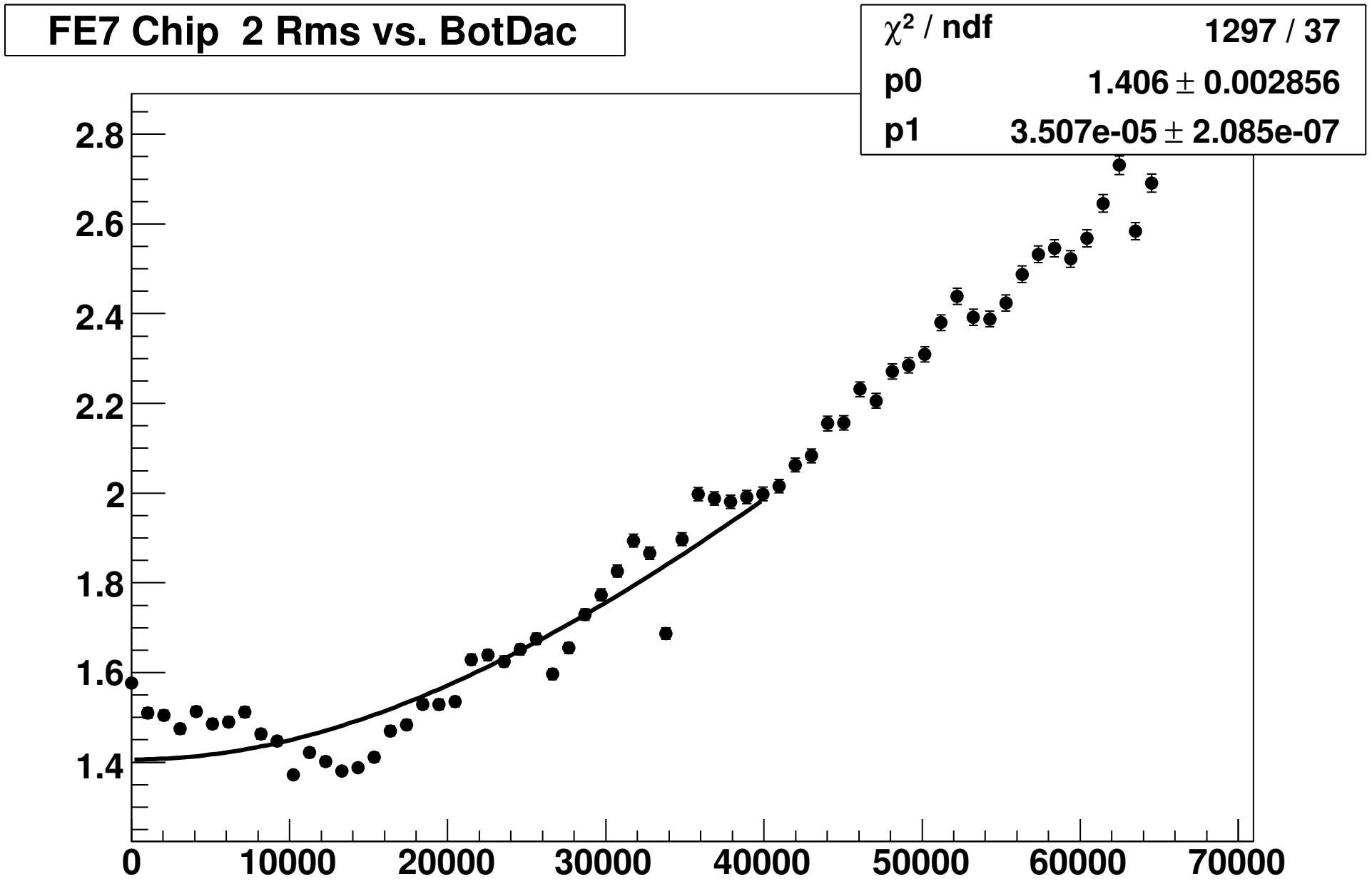
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1297 / 37
p0 1.406 ± 0.002856
p1 3.507e-05 ± 2.085e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
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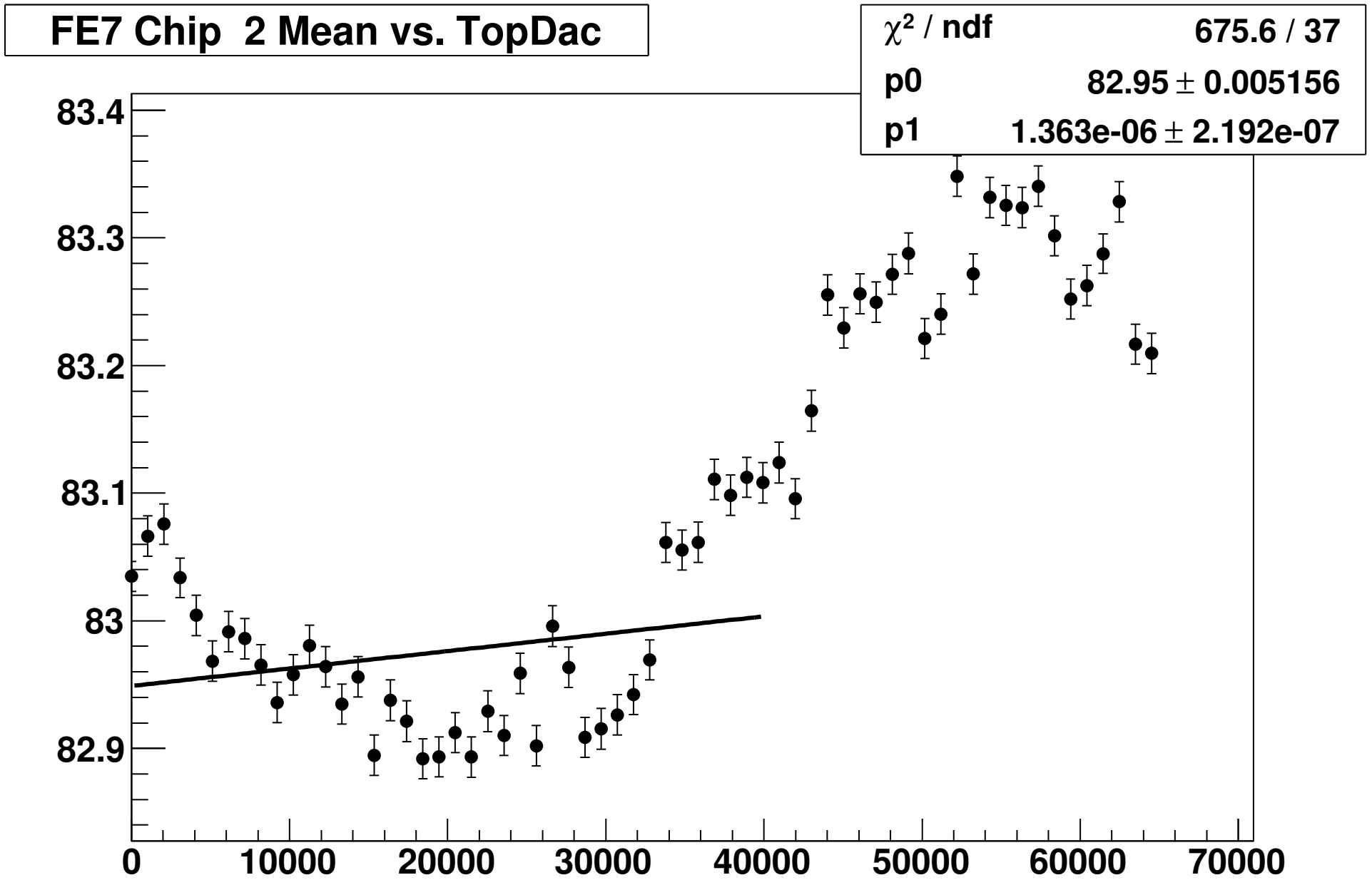
FE7 Chip 2 Mean vs. TopDac
χ² / ndf 675.6 / 37
p0 82.95 ± 0.005156
p1 1.363e-06 ± 2.192e-07
83.4
83.3
83.2
83.1
83
82.9
0
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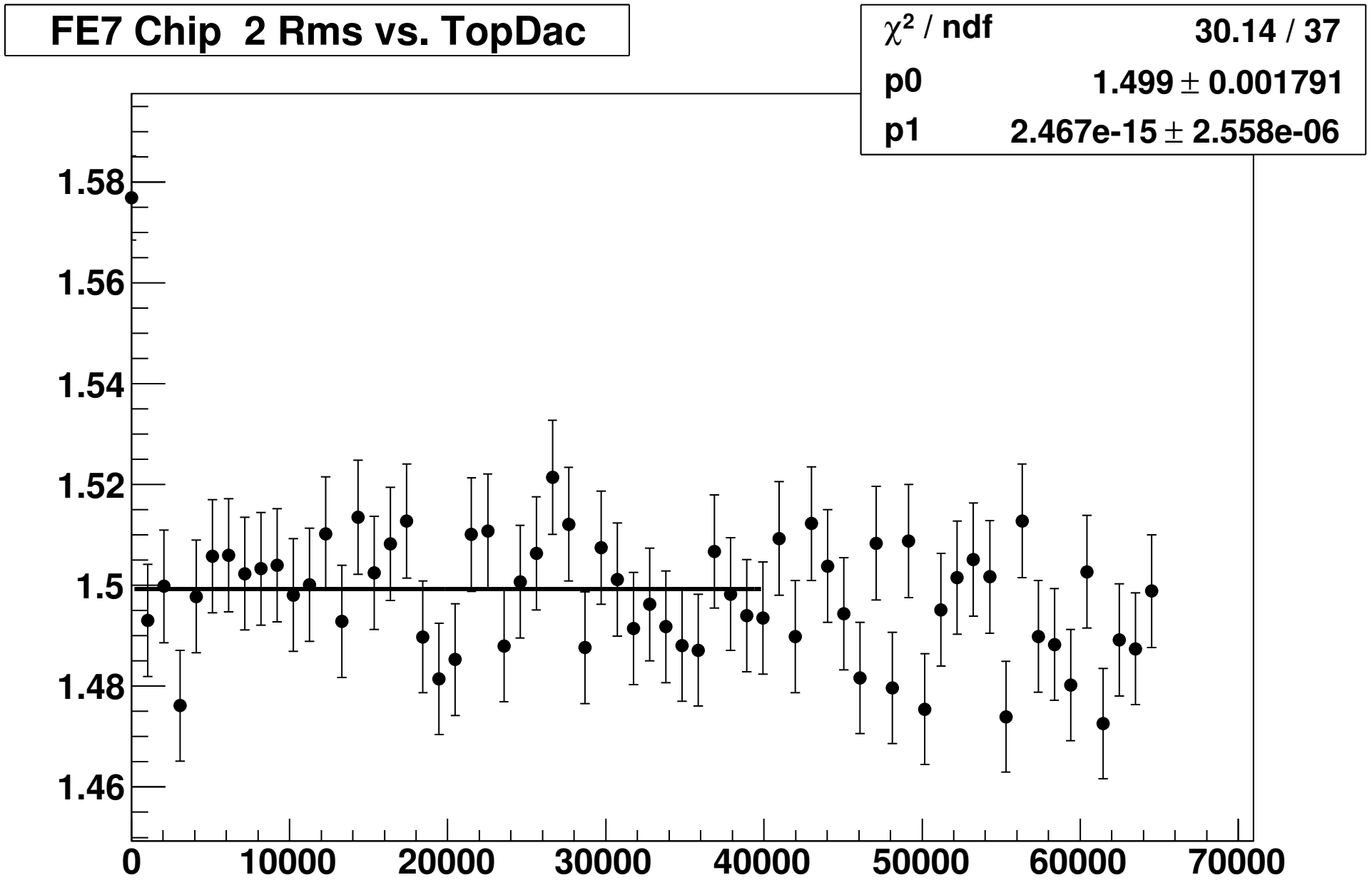
FE7 Chip 2 Rms vs. TopDac
χ² / ndf 30.14 / 37
p0 1.499 ± 0.001791
p1 2.467e-15 ± 2.558e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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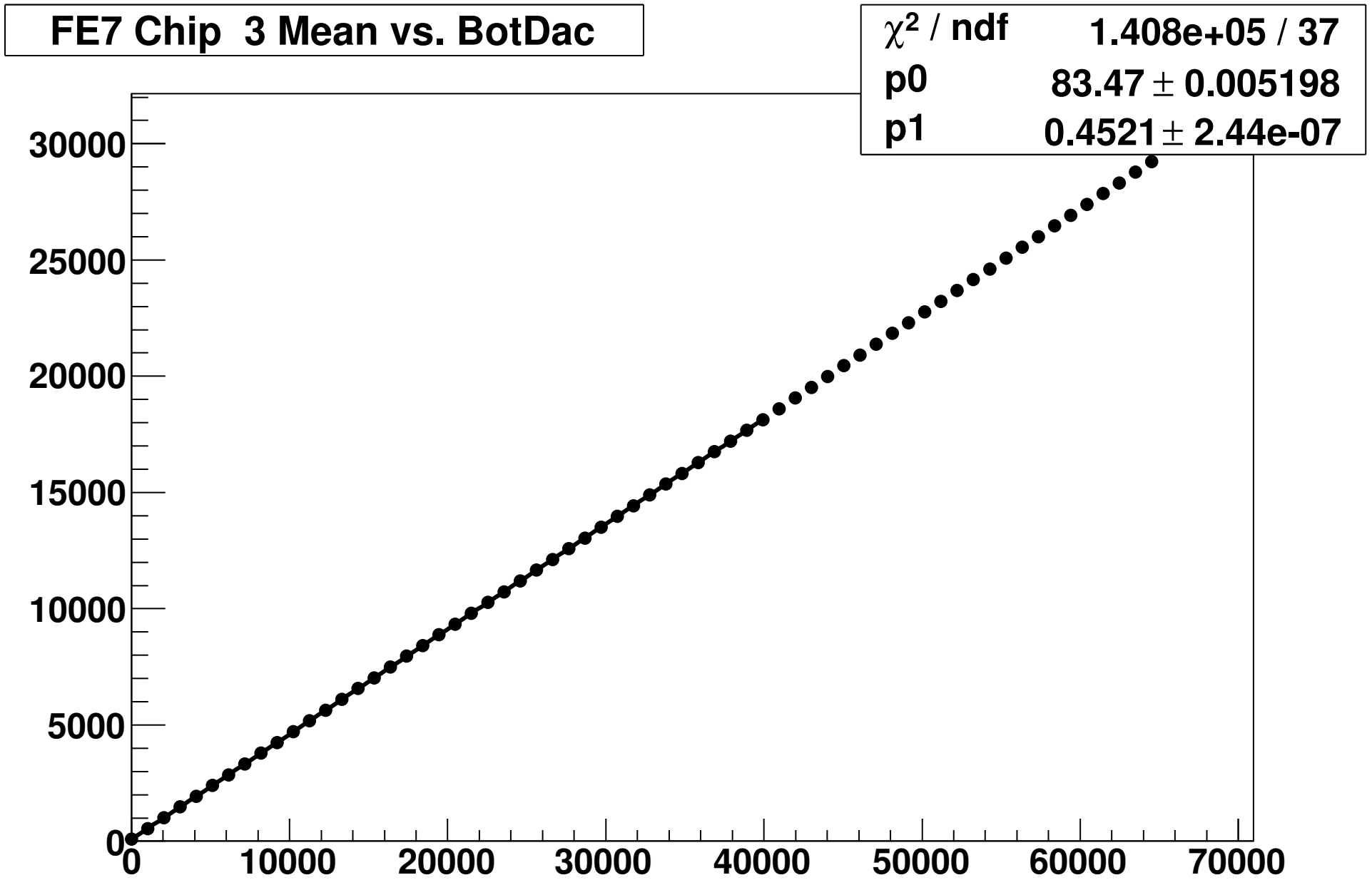
FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.408e+05 / 37
p0 83.47 ± 0.005198
p1 0.4521 ± 2.44e-07
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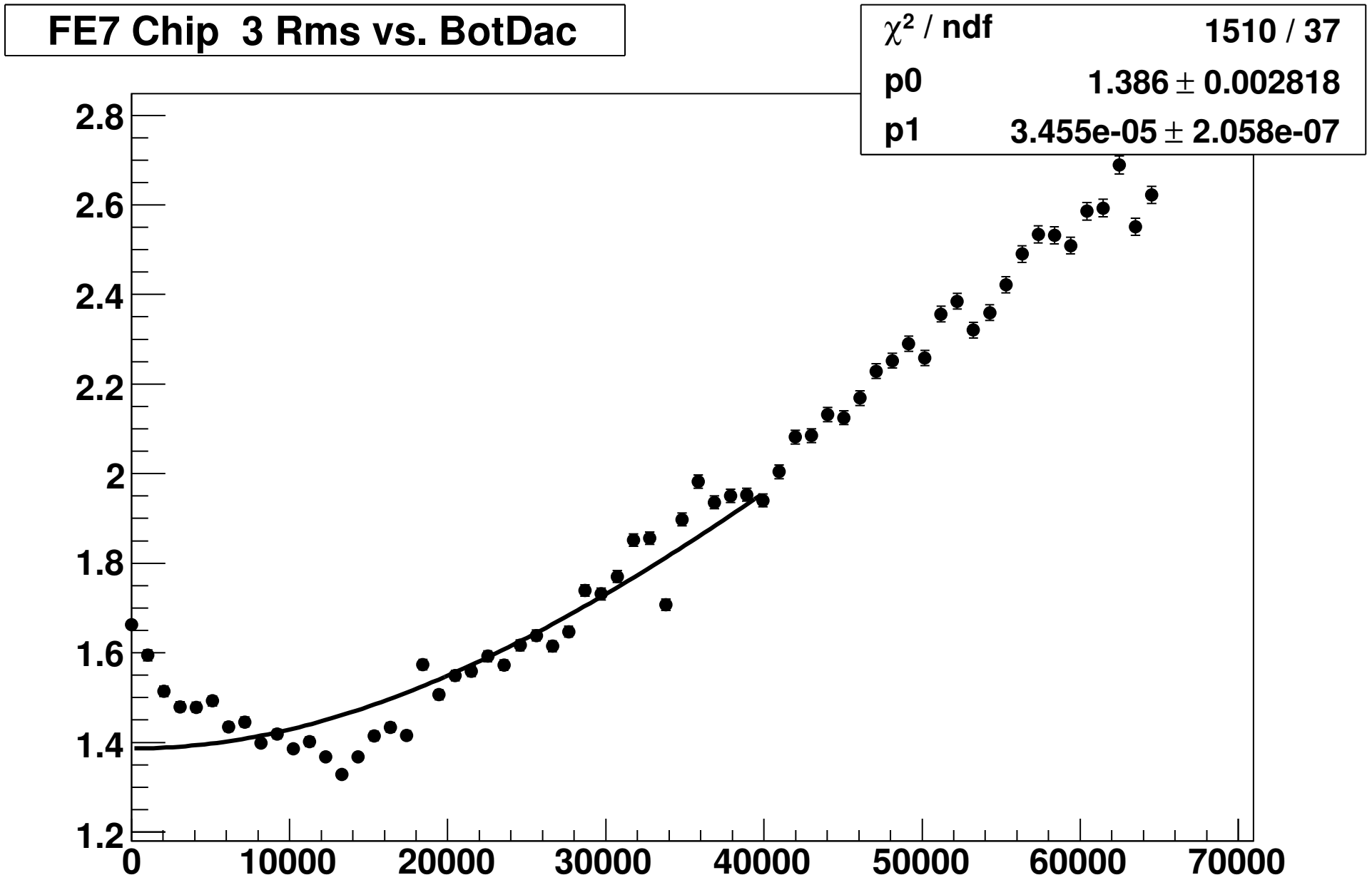
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1510 / 37
p0 1.386 ± 0.002818
p1 3.455e-05 ± 2.058e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
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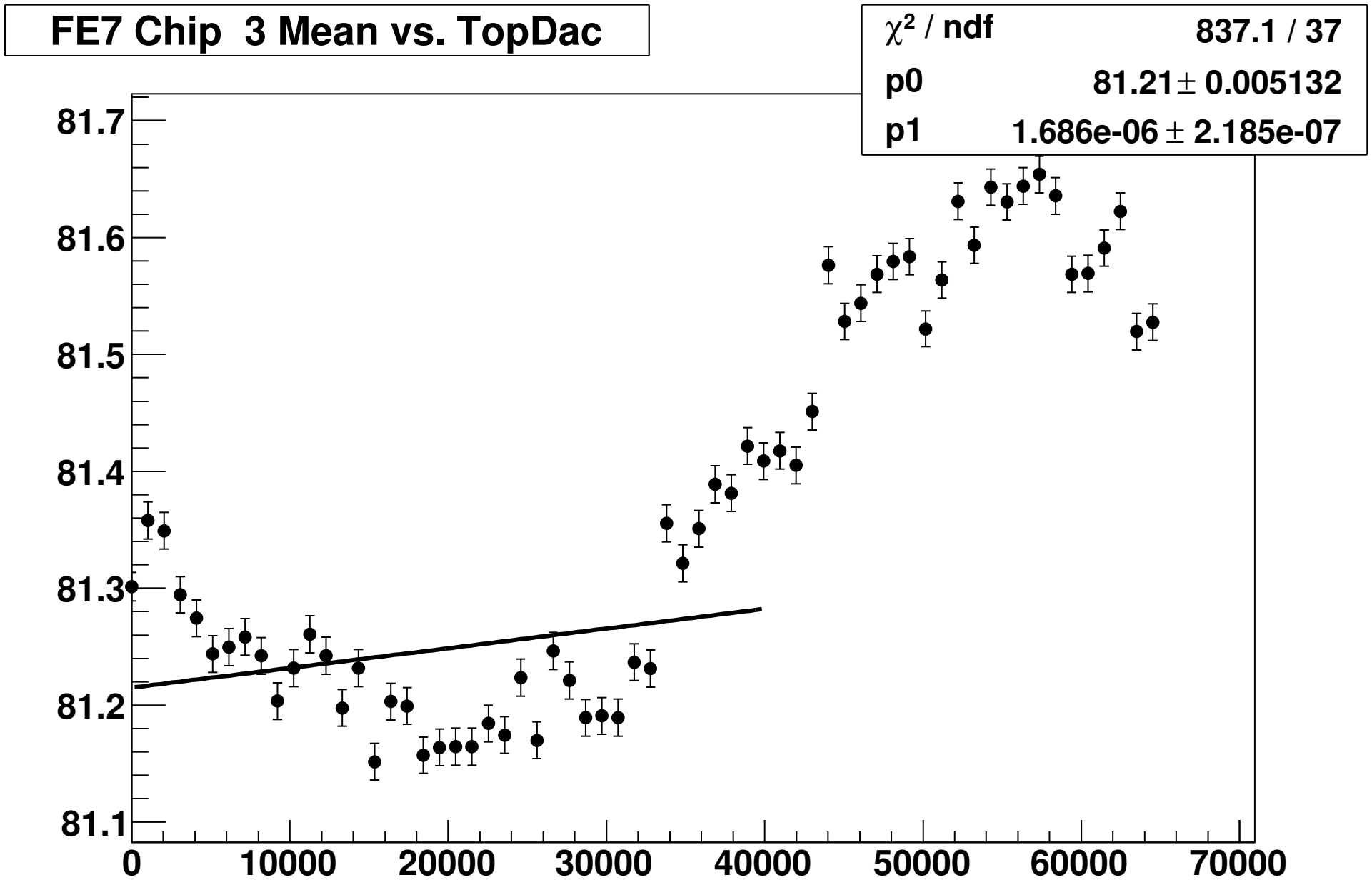
FE7 Chip 3 Mean vs. TopDac
χ² / ndf 837.1 / 37
p0 81.21 ± 0.005132
p1 1.686e-06 ± 2.185e-07
81.7
81.6
81.5
81.4
81.3
81.2
81.1
0
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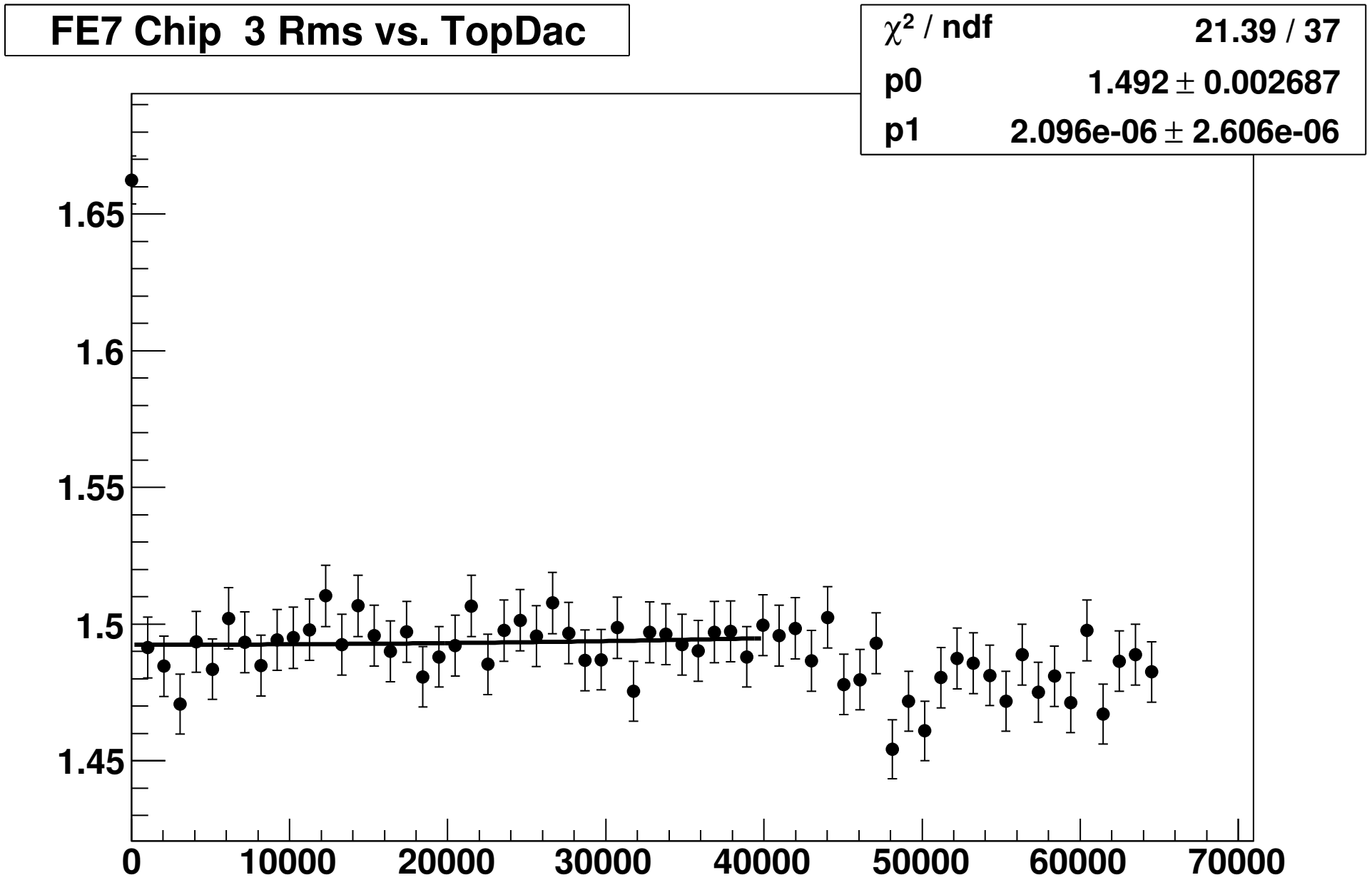
FE7 Chip 3 Rms vs. TopDac
χ² / ndf 21.39 / 37
p0 1.492 ± 0.002687
p1 2.096e-06 ± 2.606e-06
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1.6
1.55
1.5
1.45
0
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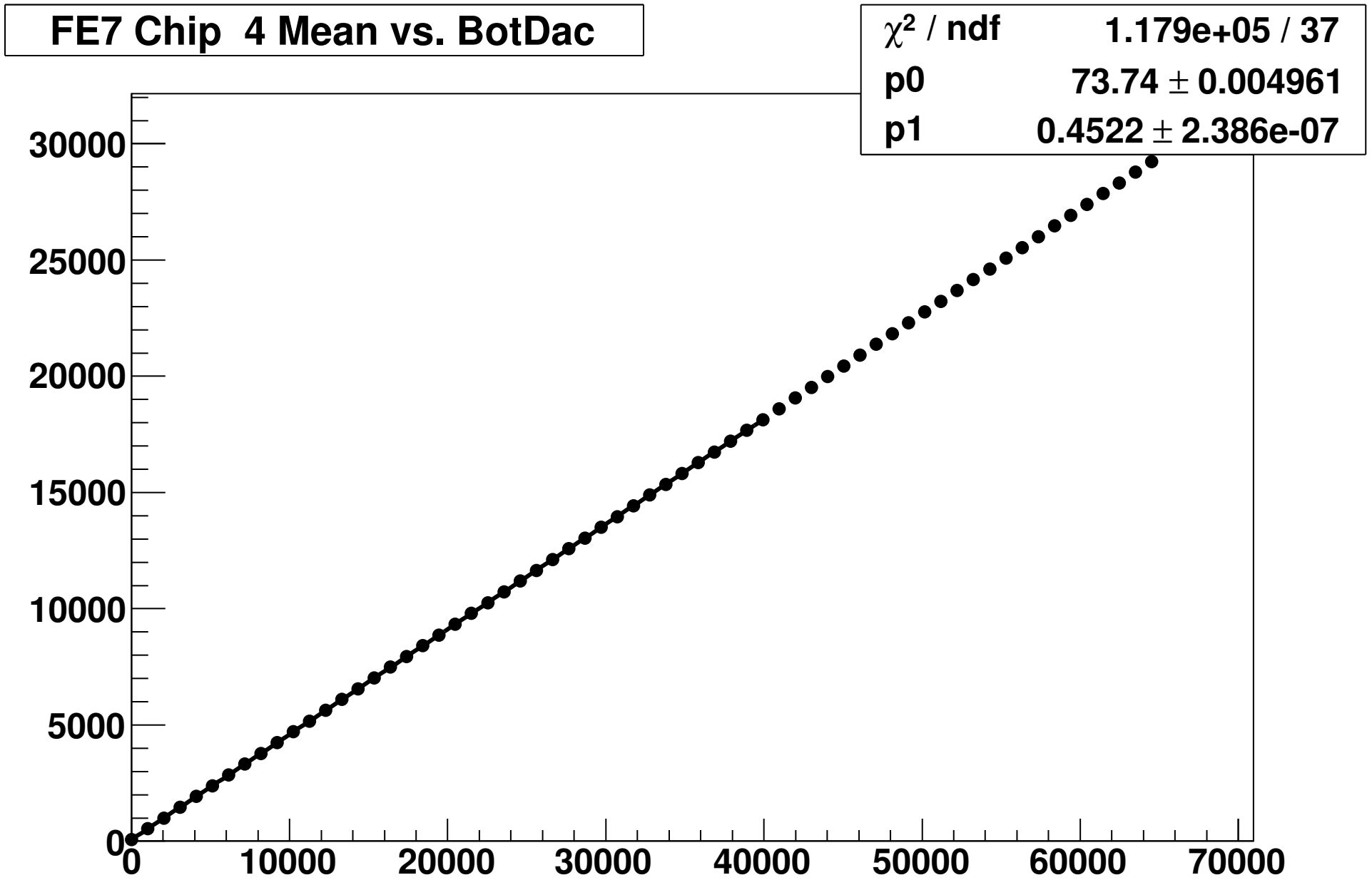
FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.179e+05 / 37
p0 73.74 ± 0.004961
p1 0.4522 ± 2.386e-07
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25000
20000
15000
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5000
0
0
10000
20000
30000
40000
50000
60000
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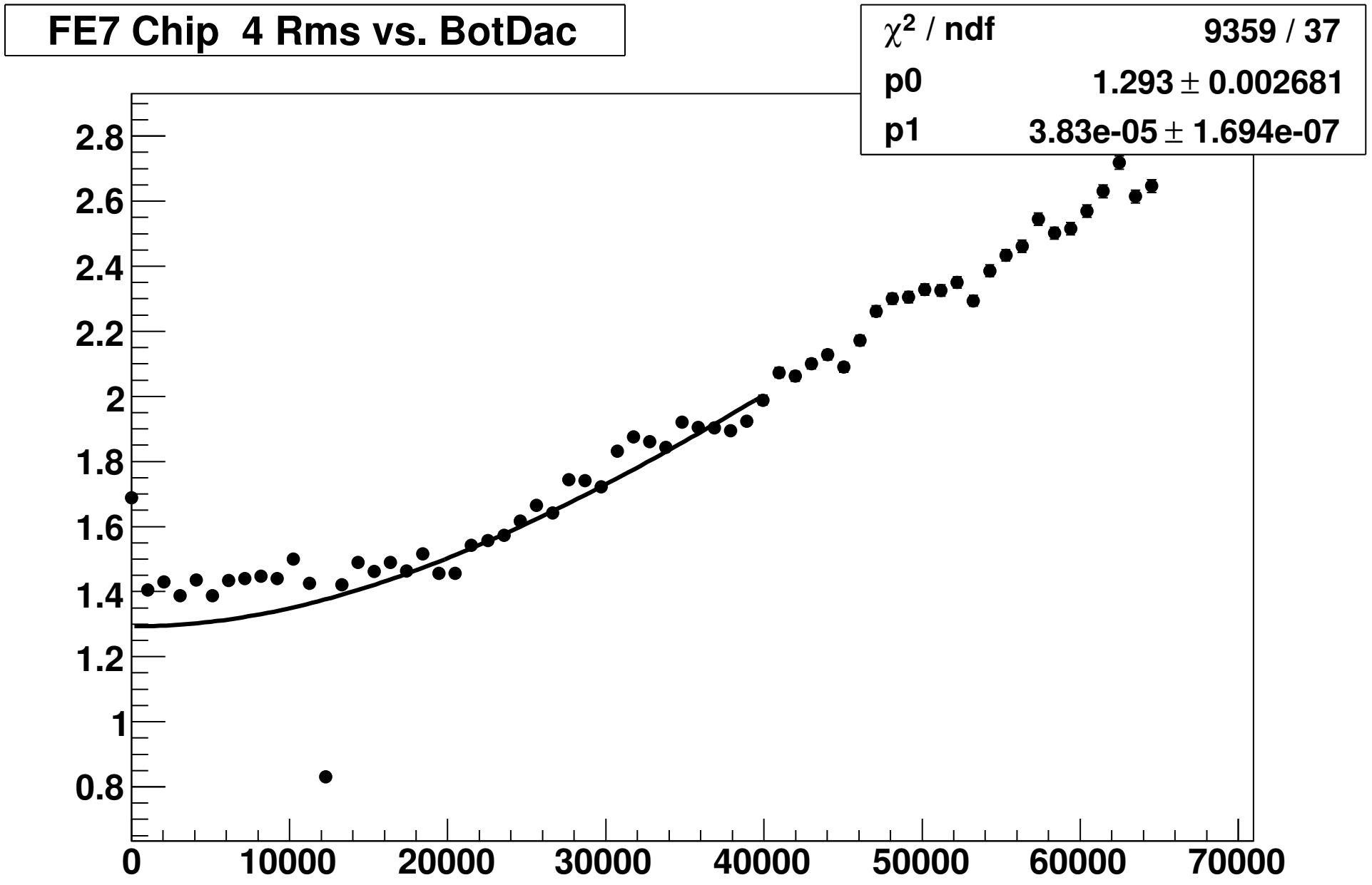
FE7 Chip 4 Rms vs. BotDac
χ² / ndf 9359 / 37
p0 1.293 ± 0.002681
p1 3.83e-05 ± 1.694e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
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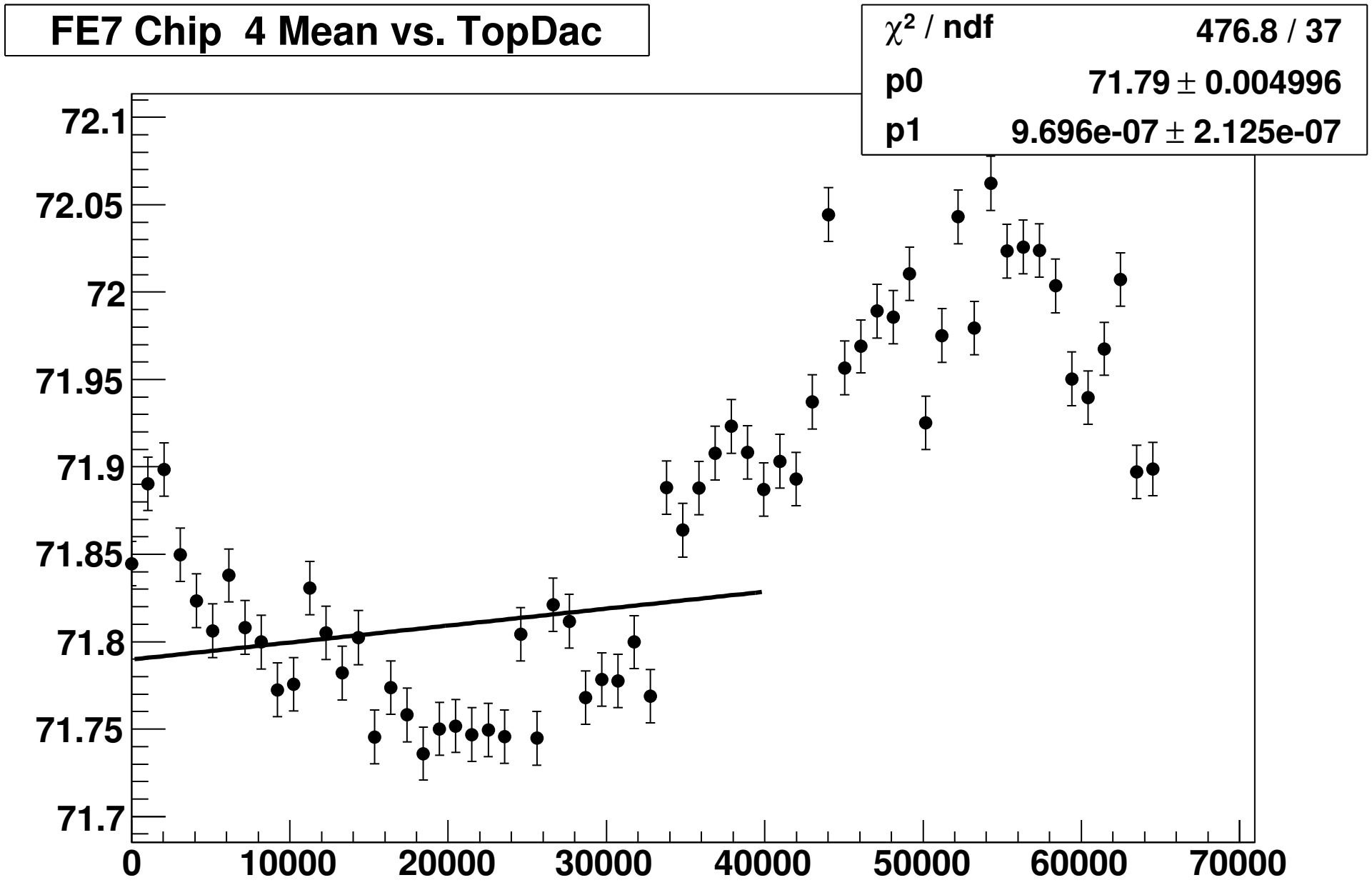
FE7 Chip 4 Mean vs. TopDac
χ² / ndf 476.8 / 37
p0 71.79 ± 0.004996
p1 9.696e-07 ± 2.125e-07
72.1
72.05
72
71.95
71.9
71.85
71.8
71.75
71.7
0
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20000
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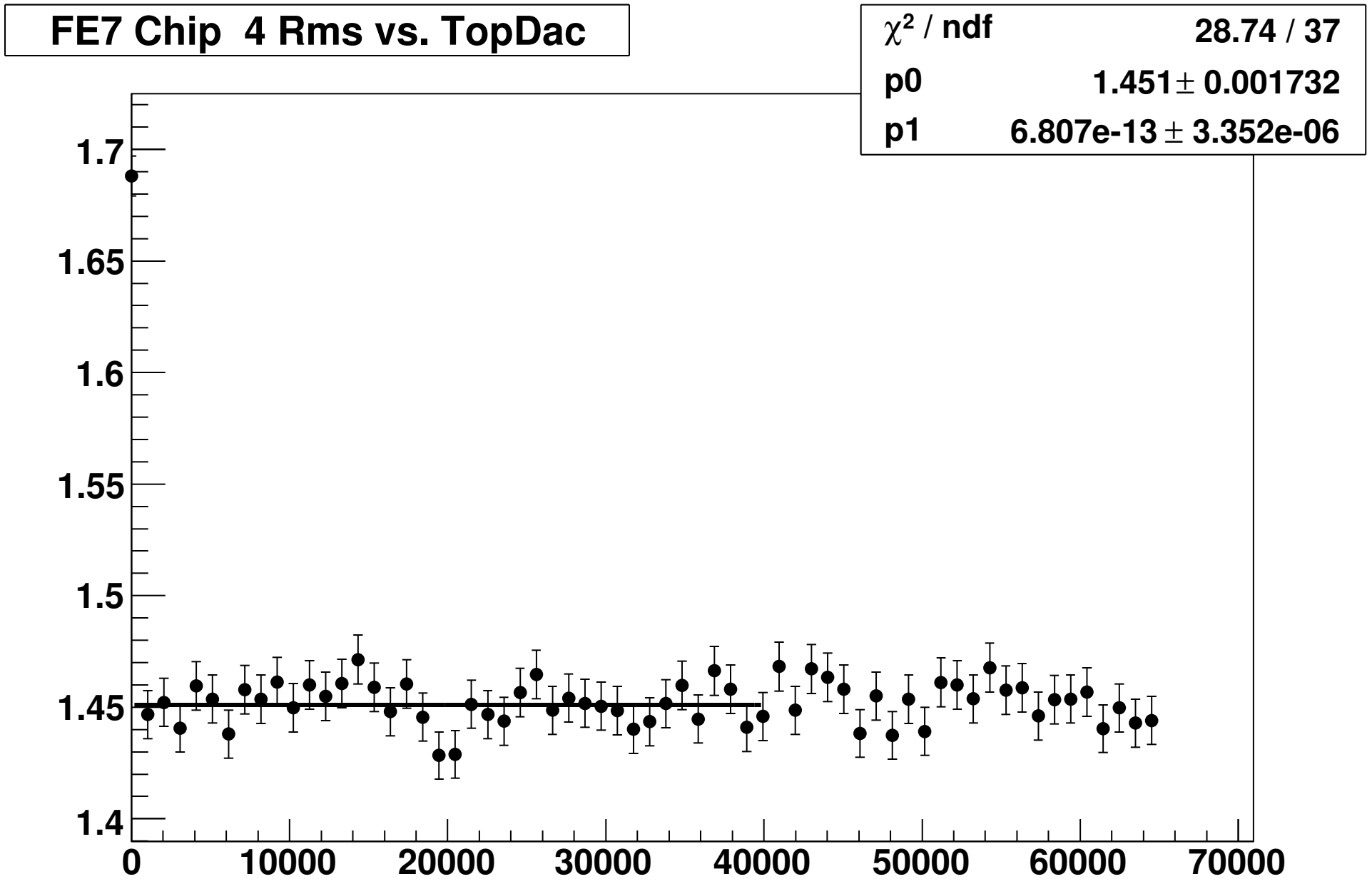
FE7 Chip 4 Rms vs. TopDac
χ² / ndf 28.74 / 37
p0 1.451 ± 0.001732
p1 6.807e-13 ± 3.352e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
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50000
60000
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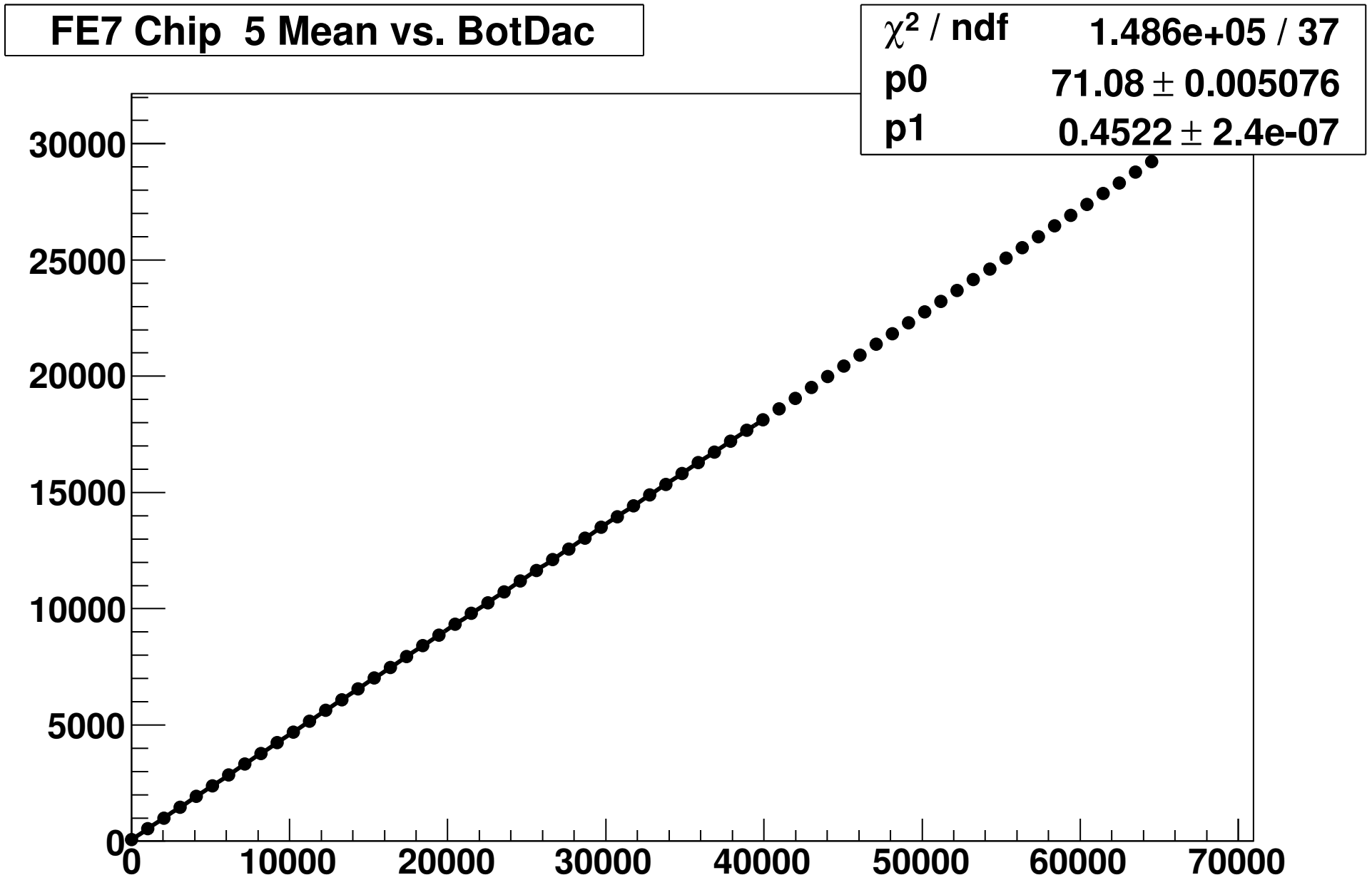
FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.486e+05 / 37
p0 71.08 ± 0.005076
p1 0.4522 ± 2.4e-07
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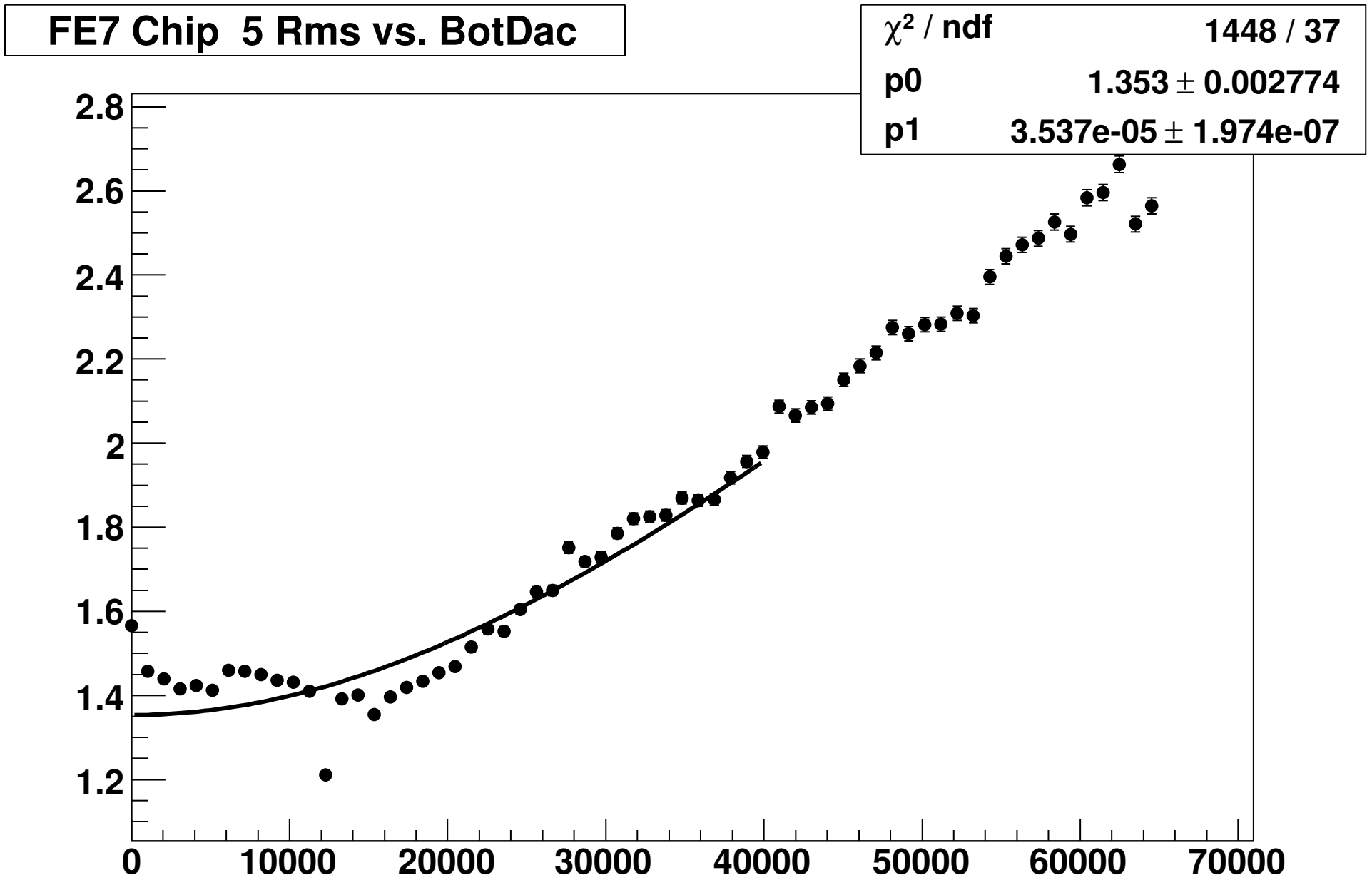
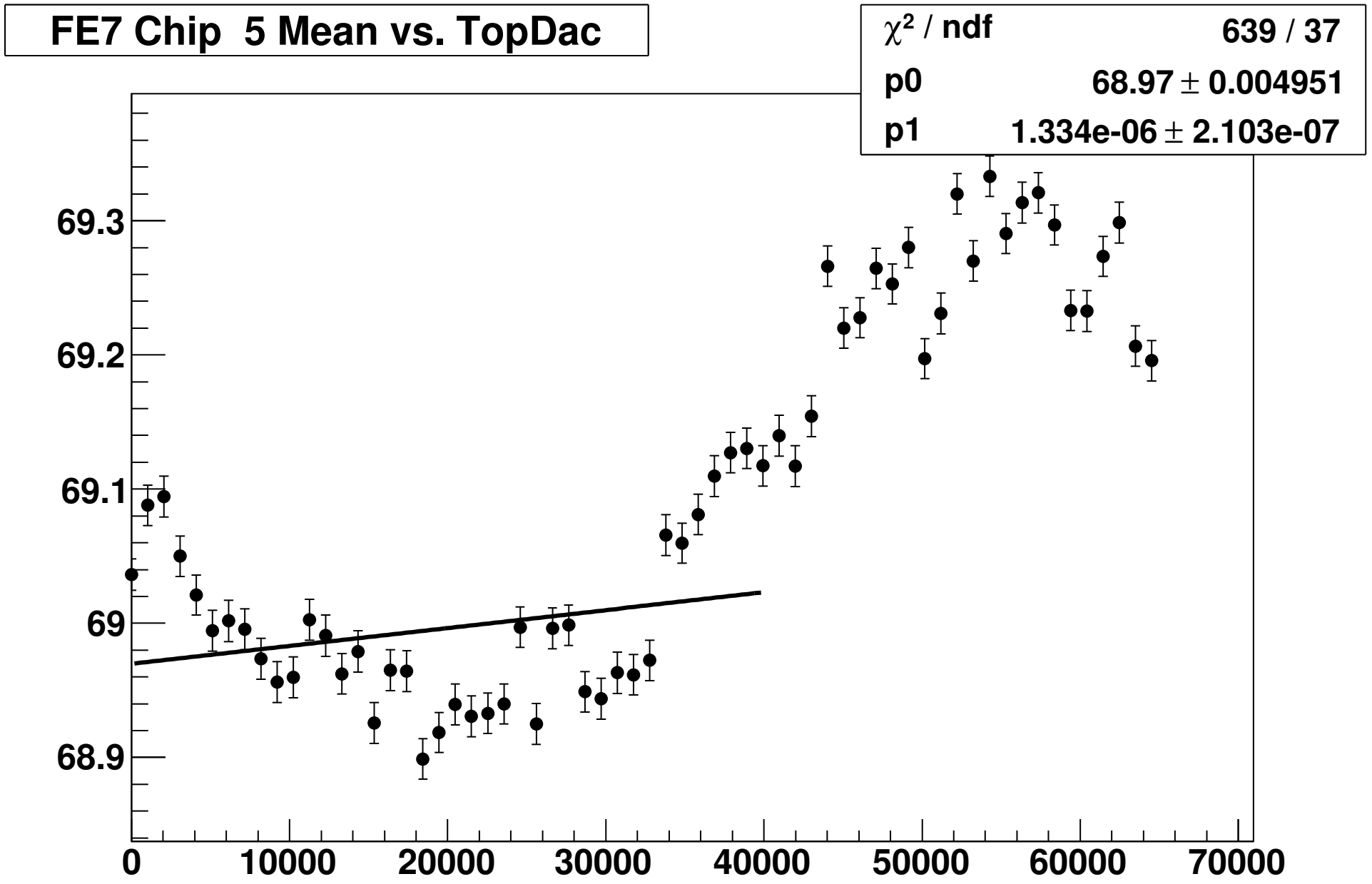
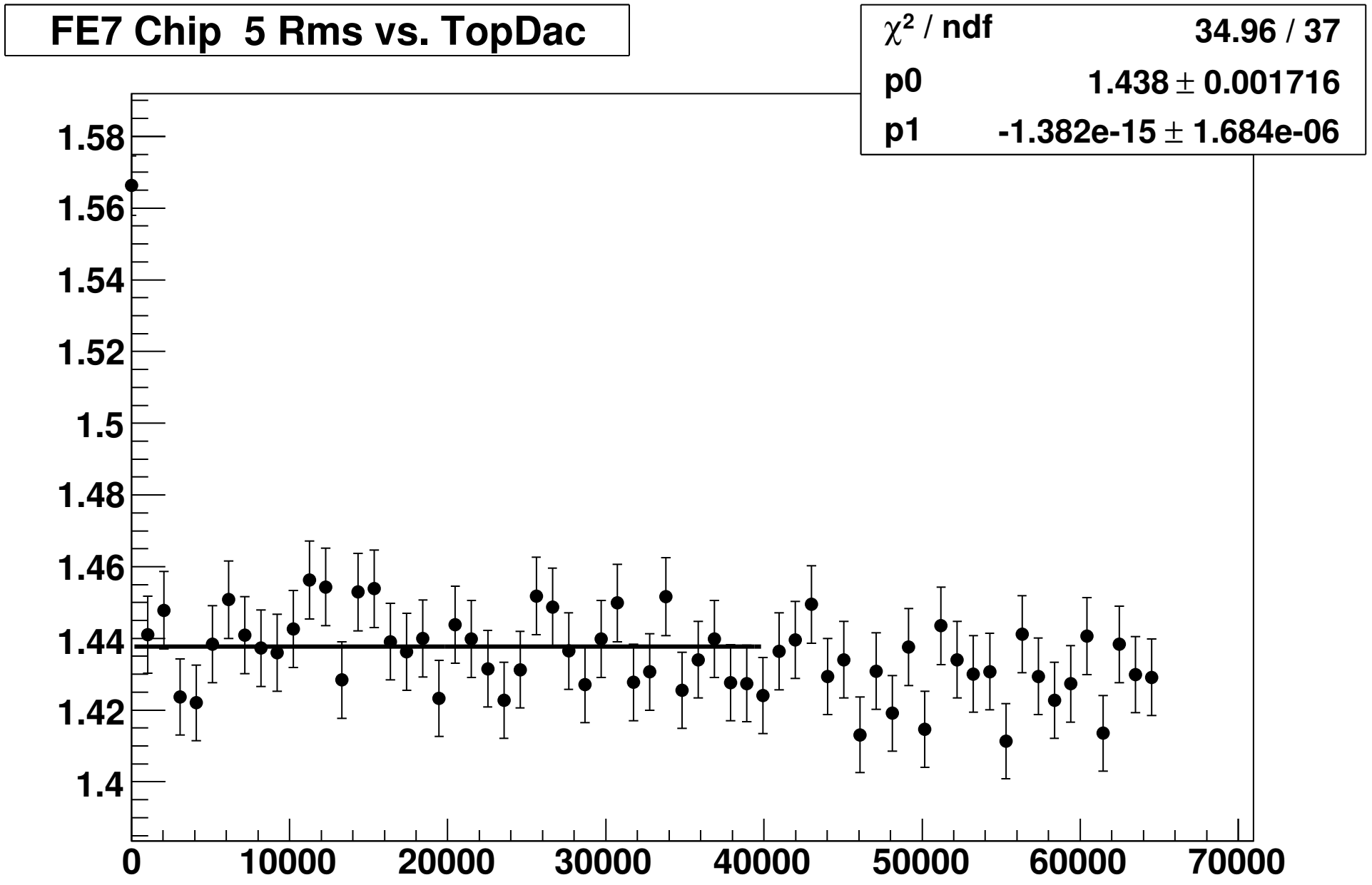
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 1448 / 37
p0 1.353 ± 0.002774
p1 3.537e-05 ± 1.974e-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


FE7 Chip 5 Mean vs. TopDac
χ² / ndf 639 / 37
p0 68.97 ± 0.004951
p1 1.334e-06 ± 2.103e-07
69.3
69.2
69.1
69
68.9
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. TopDac
χ² / ndf 34.96 / 37
p0 1.438 ± 0.001716
p1 -1.382e-15 ± 1.684e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
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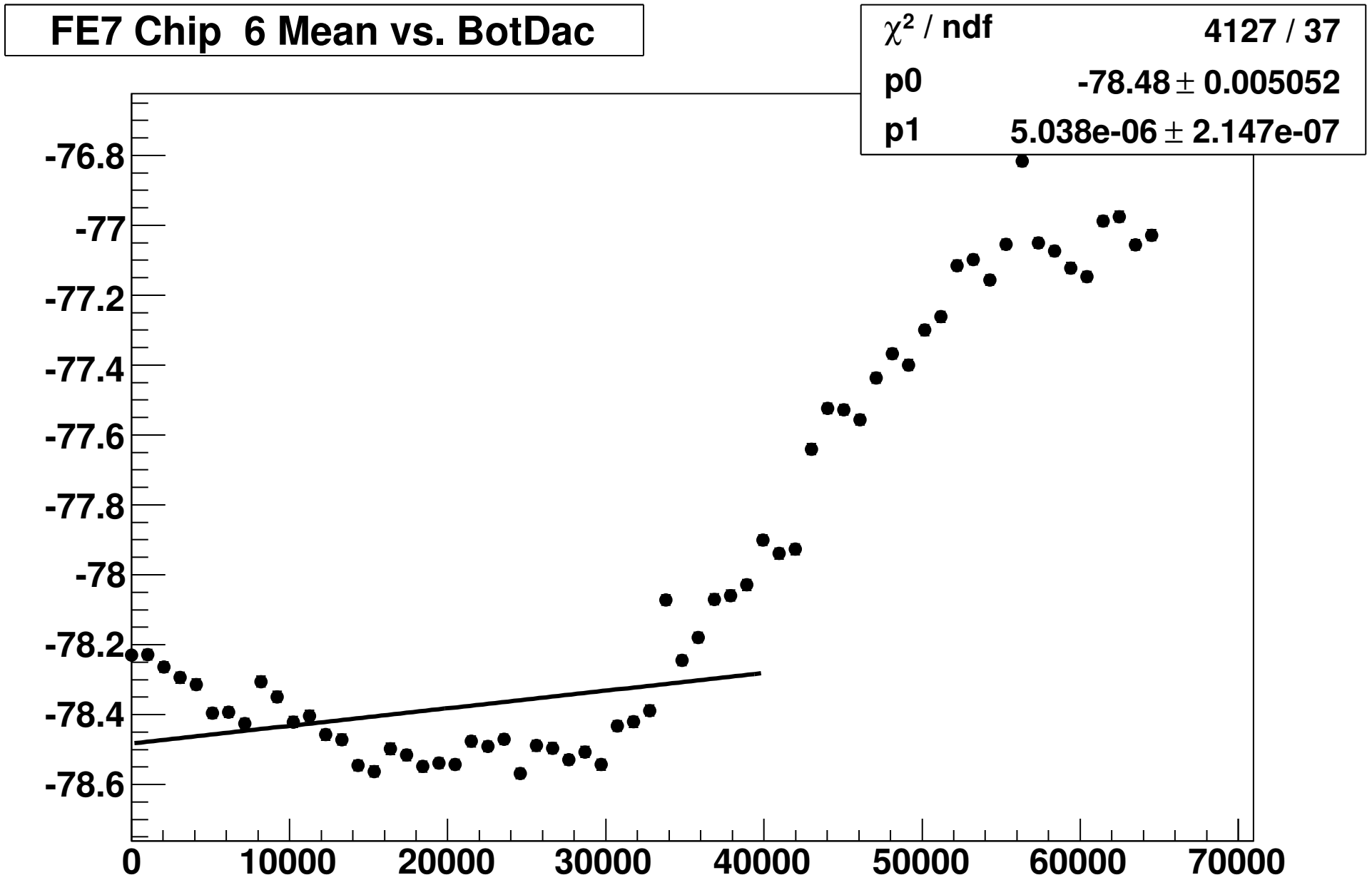
FE7 Chip 6 Mean vs. BotDac
χ² / ndf 4127 / 37
p0 -78.48 ± 0.005052
p1 5.038e-06 ± 2.147e-07
-76.8
-77
-77.2
-77.4
-77.6
-77.8
-78
-78.2
-78.4
-78.6
0
10000
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50000
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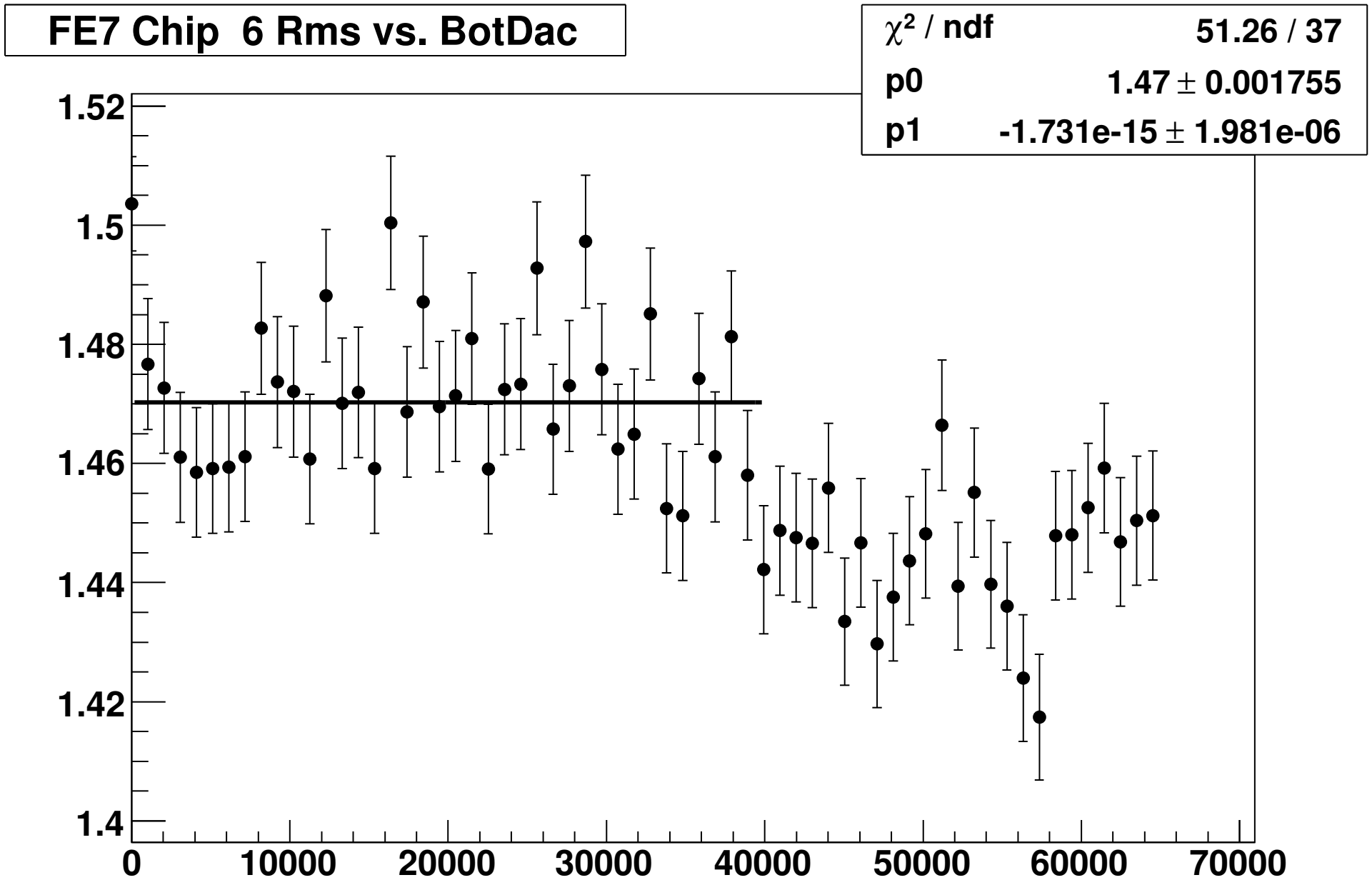
FE7 Chip 6 Rms vs. BotDac
χ² / ndf 51.26 / 37
p0 1.47 ± 0.001755
p1 -1.731e-15 ± 1.981e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
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50000
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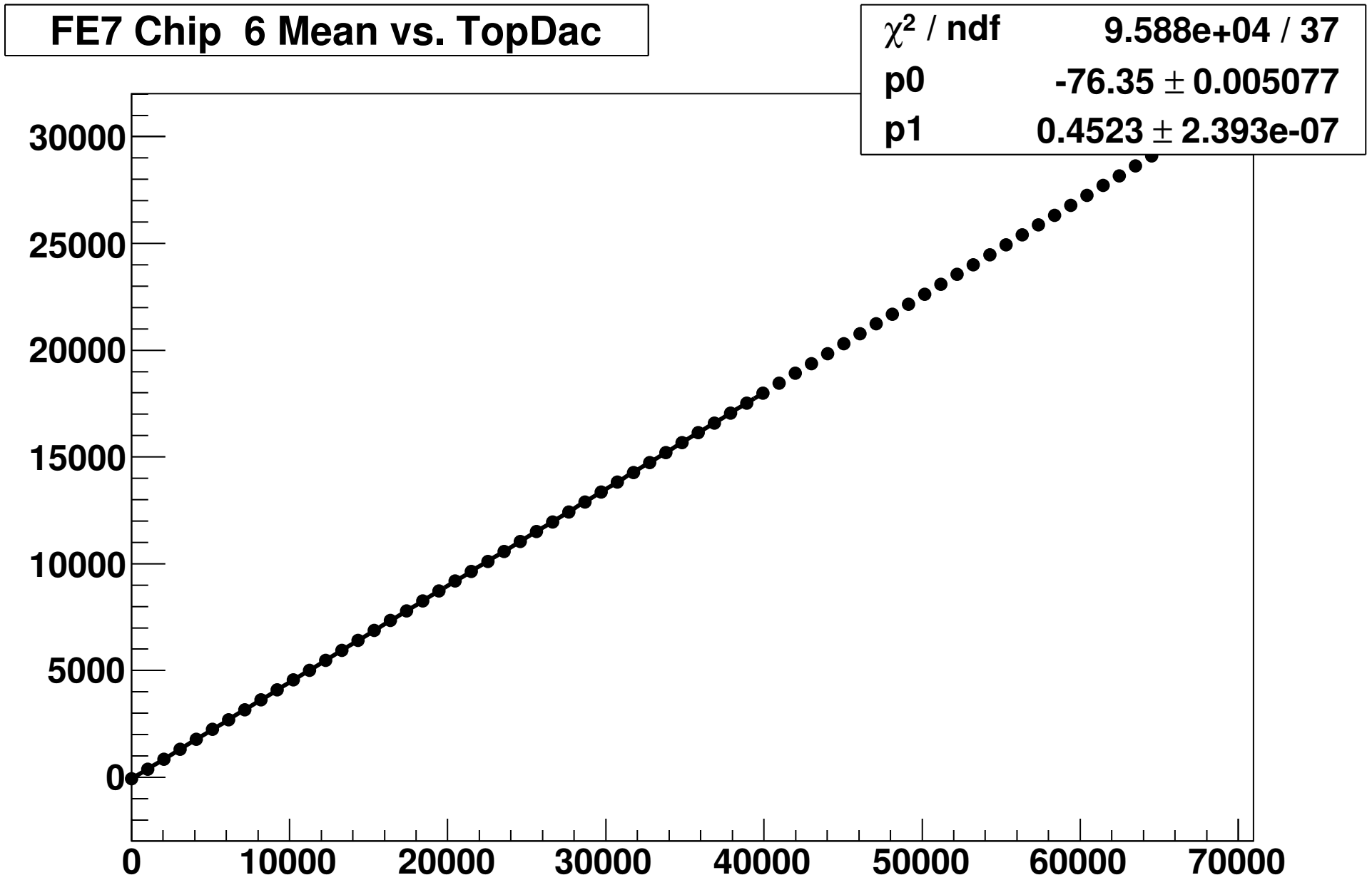
FE7 Chip 6 Mean vs. TopDac
χ² / ndf 9.588e+04 / 37
p0 -76.35 ± 0.005077
p1 0.4523 ± 2.393e-07
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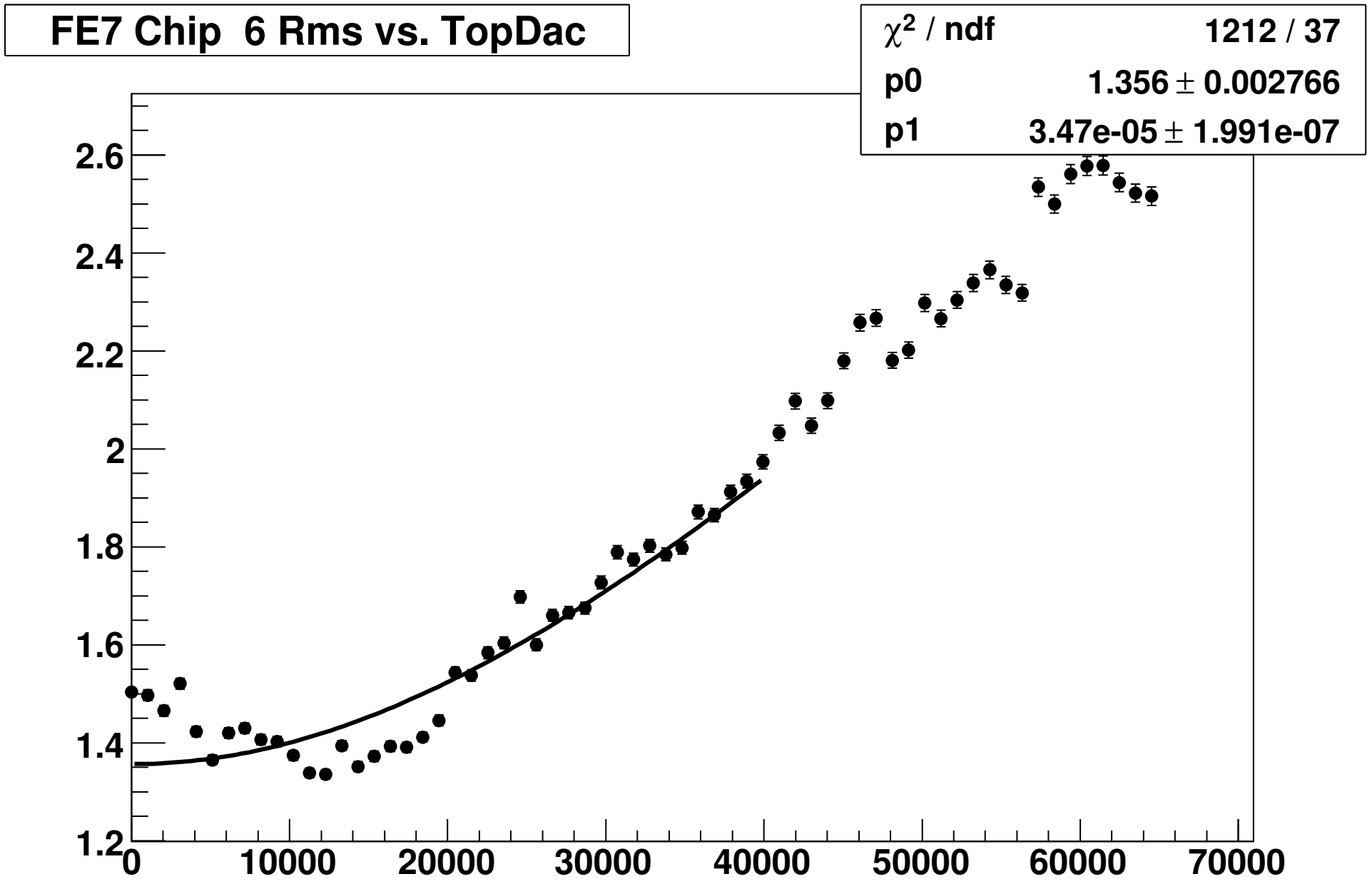
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1212 / 37
p0 1.356 ± 0.002766
p1 3.47e-05 ± 1.991e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
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60000
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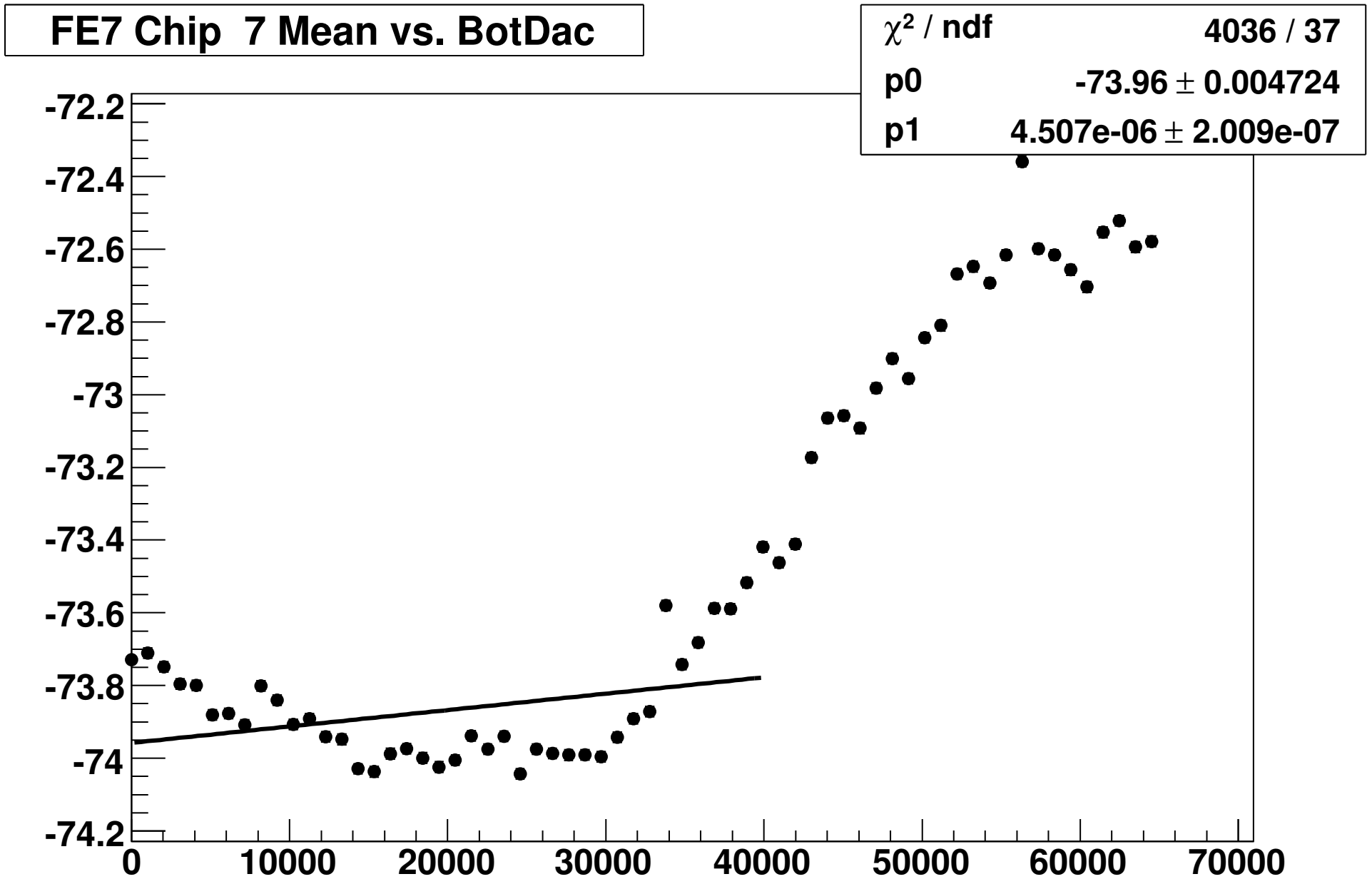
FE7 Chip 7 Mean vs. BotDac
χ² / ndf 4036 / 37
p0 -73.96 ± 0.004724
p1 4.507e-06 ± 2.009e-07
-72.2
-72.4
-72.6
-72.8
-73
-73.2
-73.4
-73.6
-73.8
-74
-74.2
0
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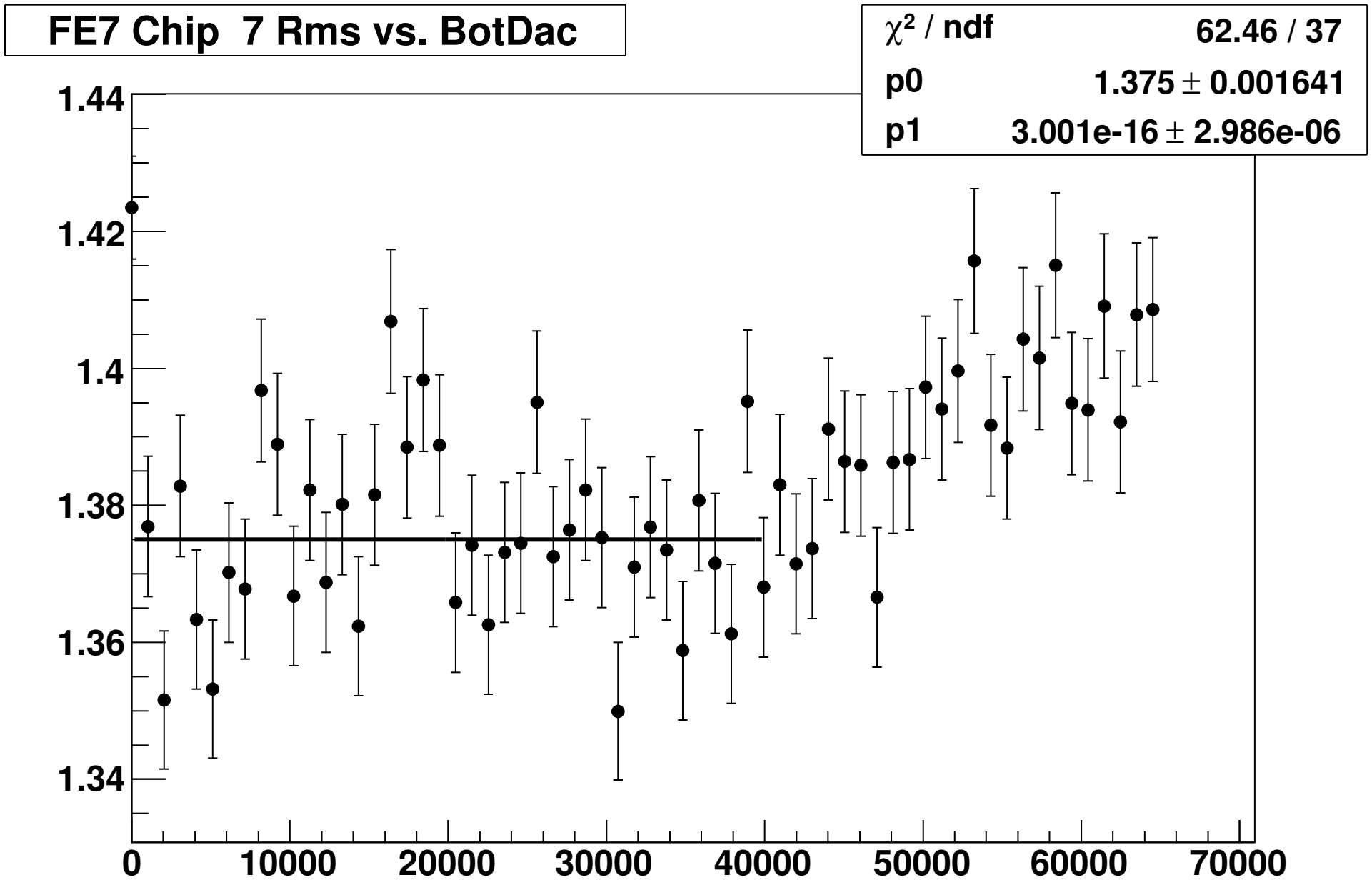
70000


FE7 Chip 7 Rms vs. BotDac
χ² / ndf 62.46 / 37
p0 1.375 ± 0.001641
p1 3.001e-16 ± 2.986e-06
1.44
1.42
1.4
1.38
1.36
1.34
0
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30000
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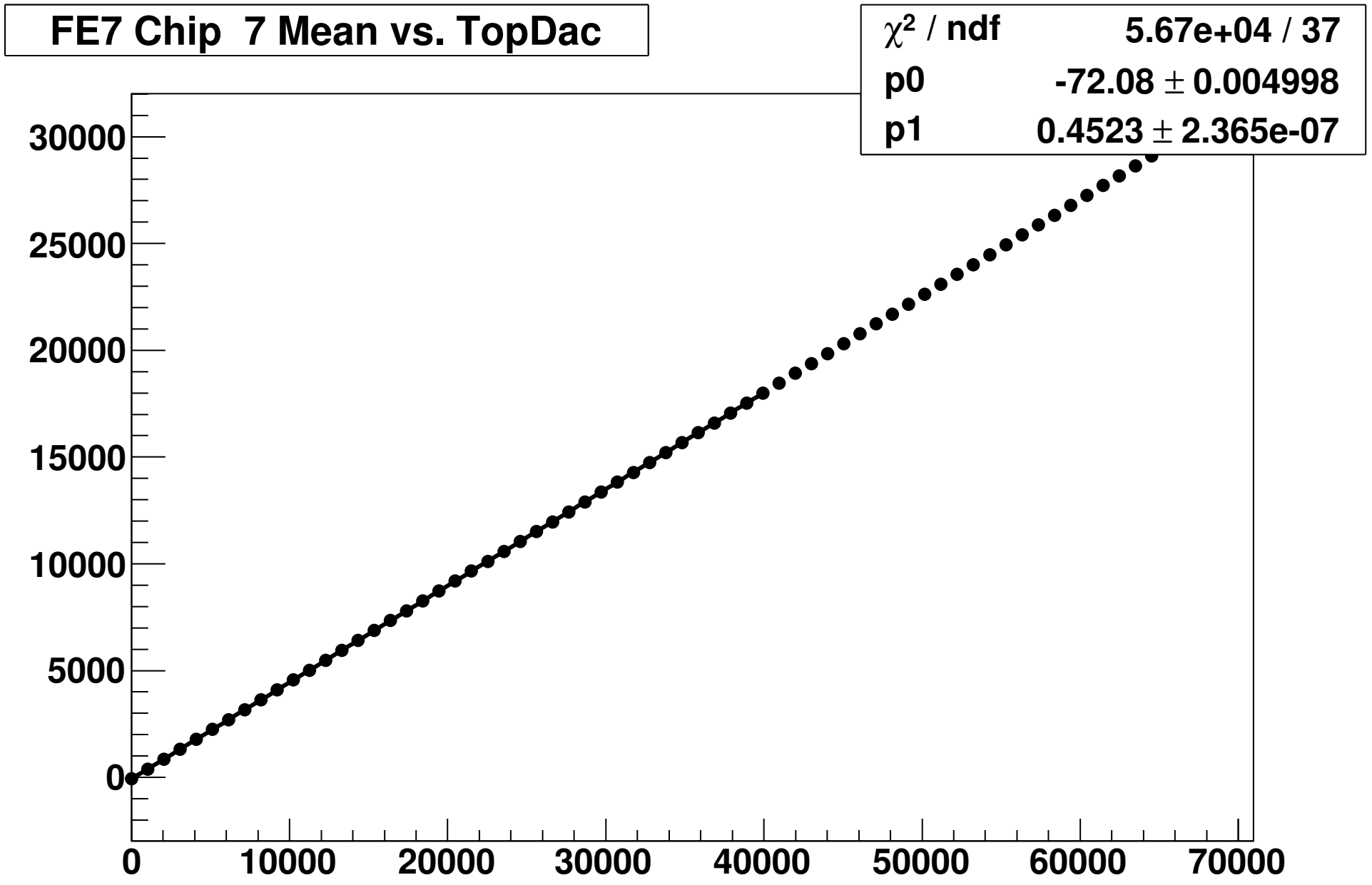
FE7 Chip 7 Mean vs. TopDac
χ² / ndf 5.67e+04 / 37
p0 -72.08 ± 0.004998
p1 0.4523 ± 2.365e-07
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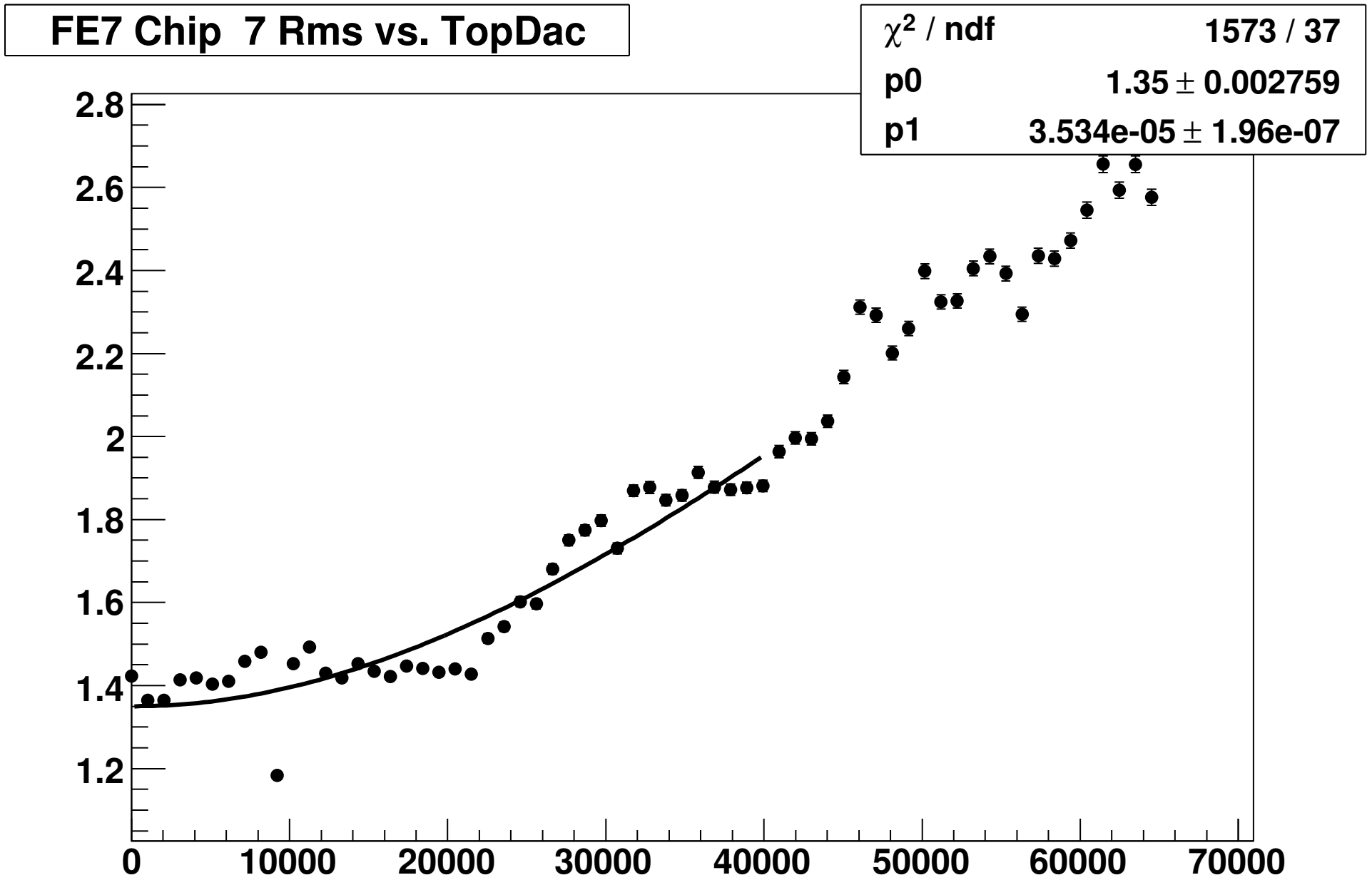
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1573 / 37
p0 1.35 ± 0.002759
p1 3.534e-05 ± 1.96e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
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20000
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40000
50000
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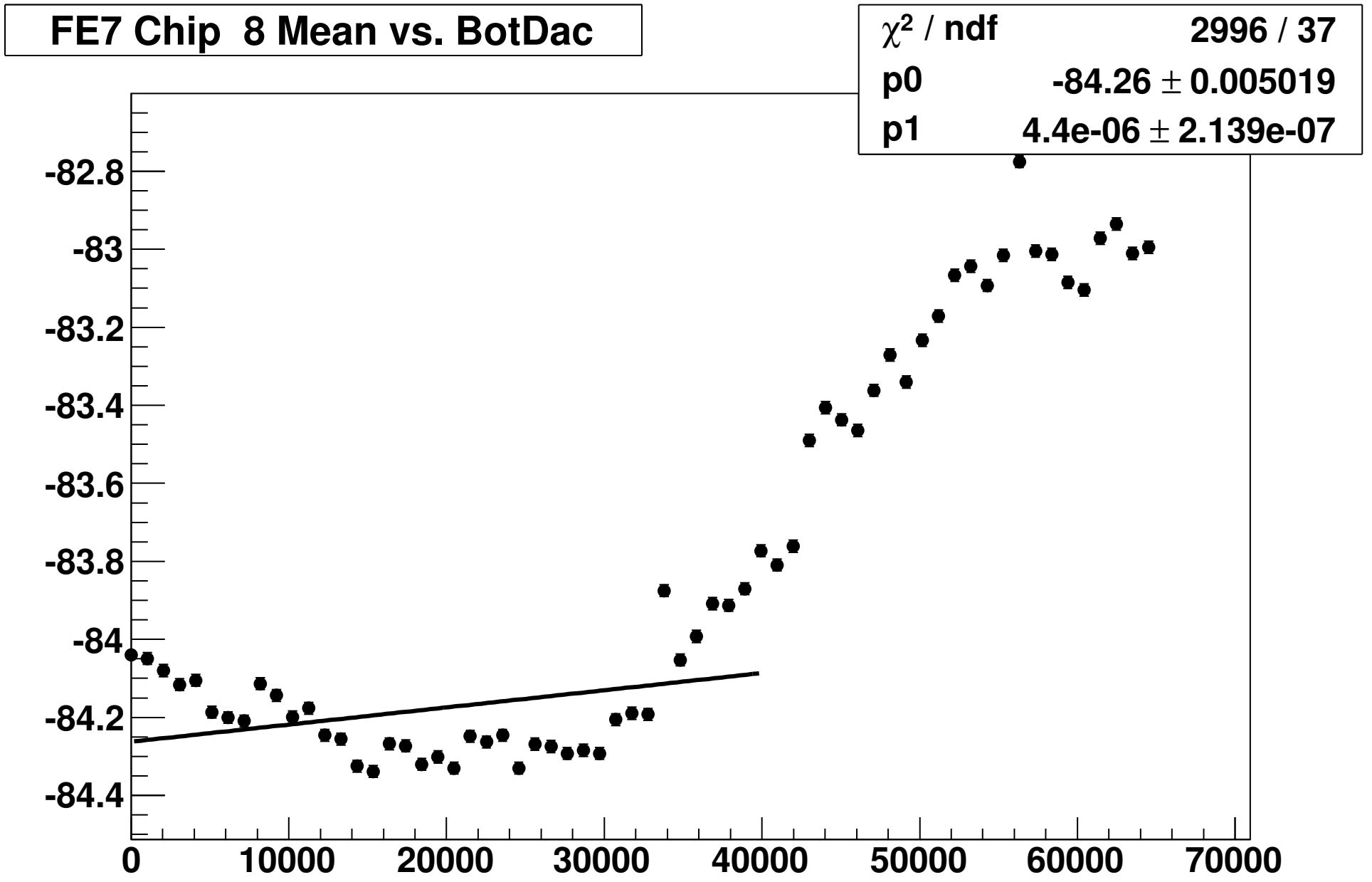
FE7 Chip 8 Mean vs. BotDac
χ² / ndf 2996 / 37
p0 -84.26 ± 0.005019
p1 4.4e-06 ± 2.139e-07
-82.8
-83
-83.2
-83.4
-83.6
-83.8
-84
-84.2
-84.4
0
10000
20000
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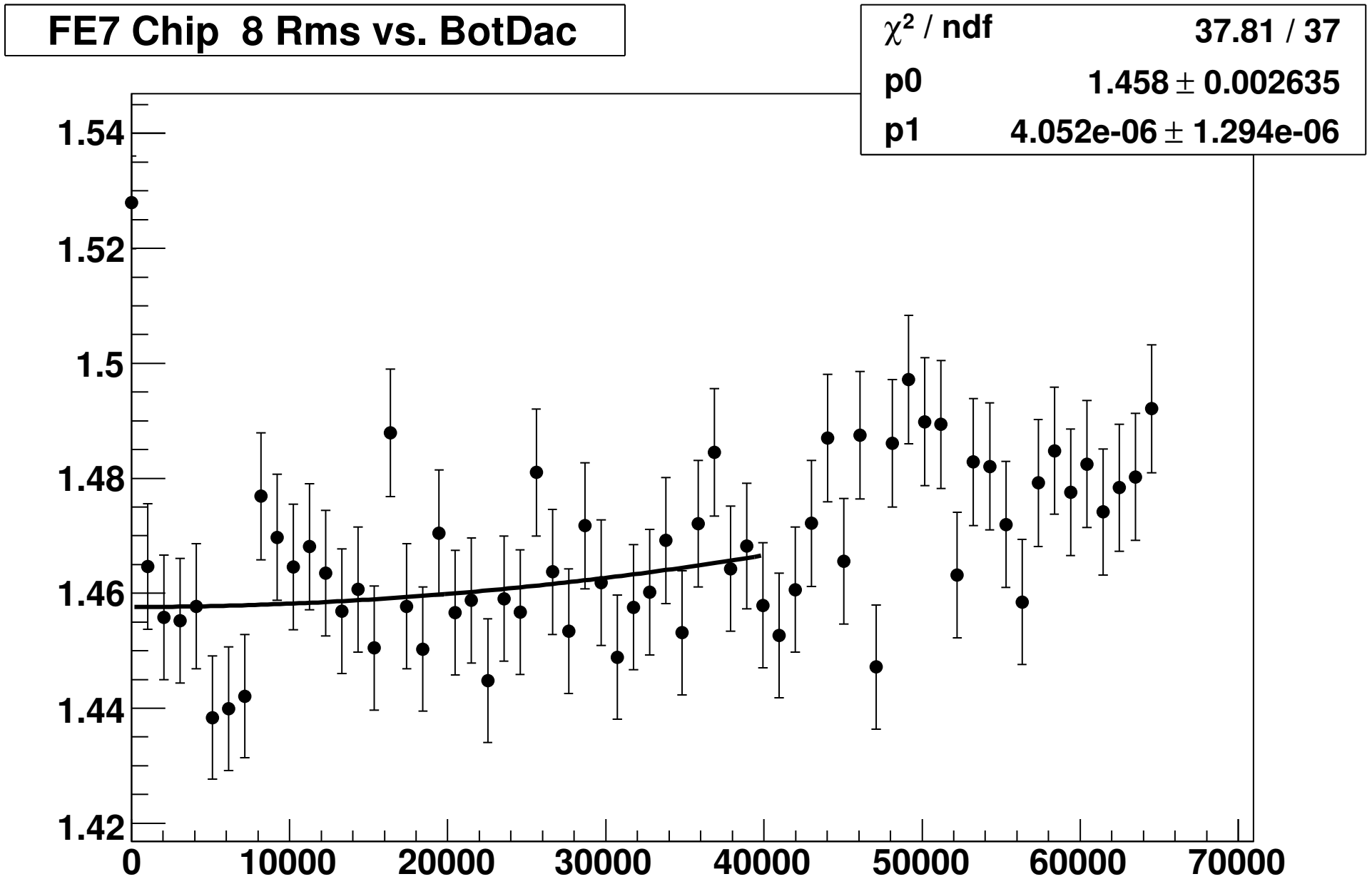
40000
50000
60000
70000


FE7 Chip 8 Rms vs. BotDac
χ² / ndf 37.81 / 37
p0 1.458 ± 0.002635
p1 4.052e-06 ± 1.294e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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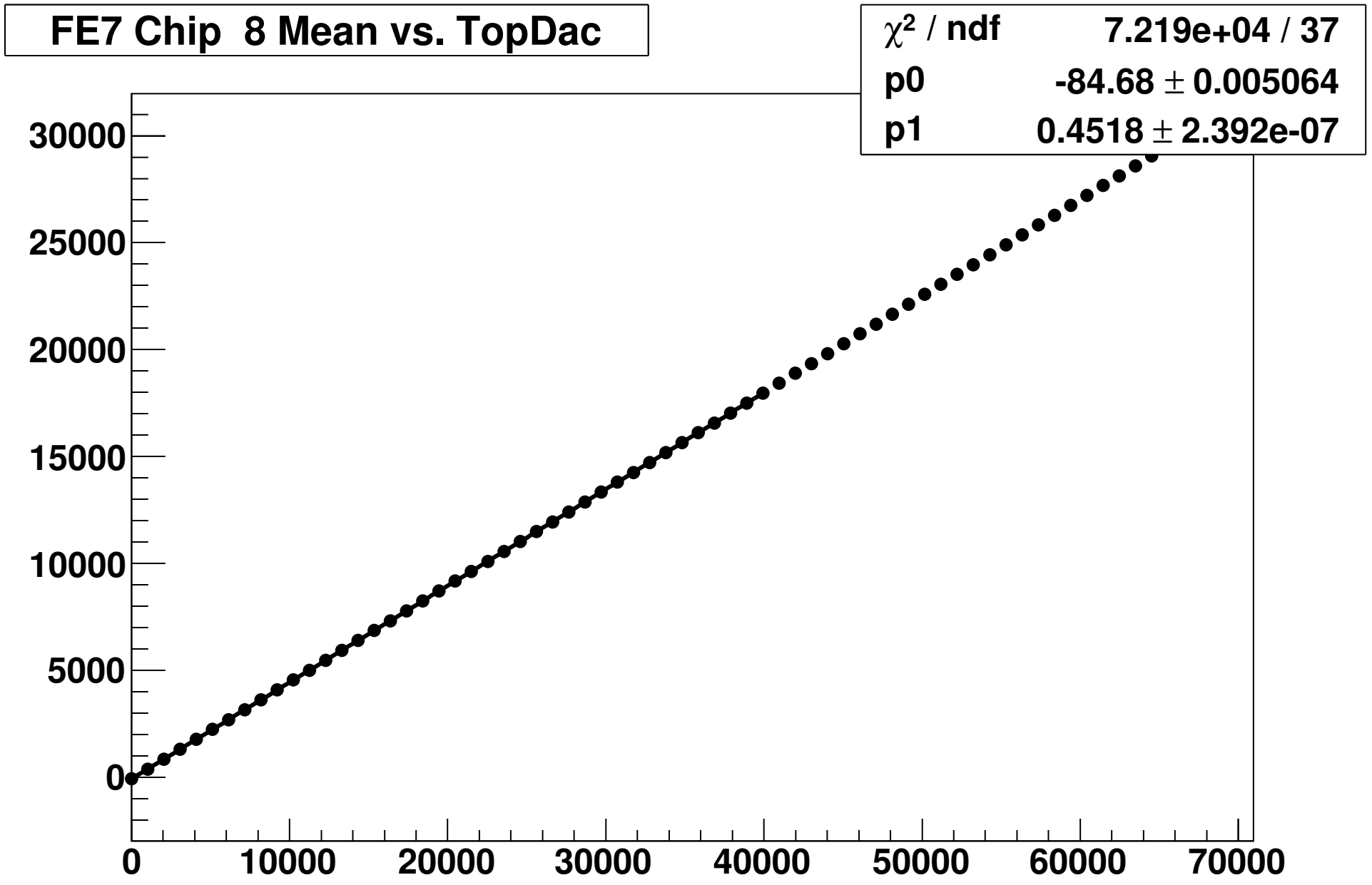
FE7 Chip 8 Mean vs. TopDac
χ² / ndf 7.219e+04 / 37
p0 -84.68 ± 0.005064
p1 0.4518 ± 2.392e-07
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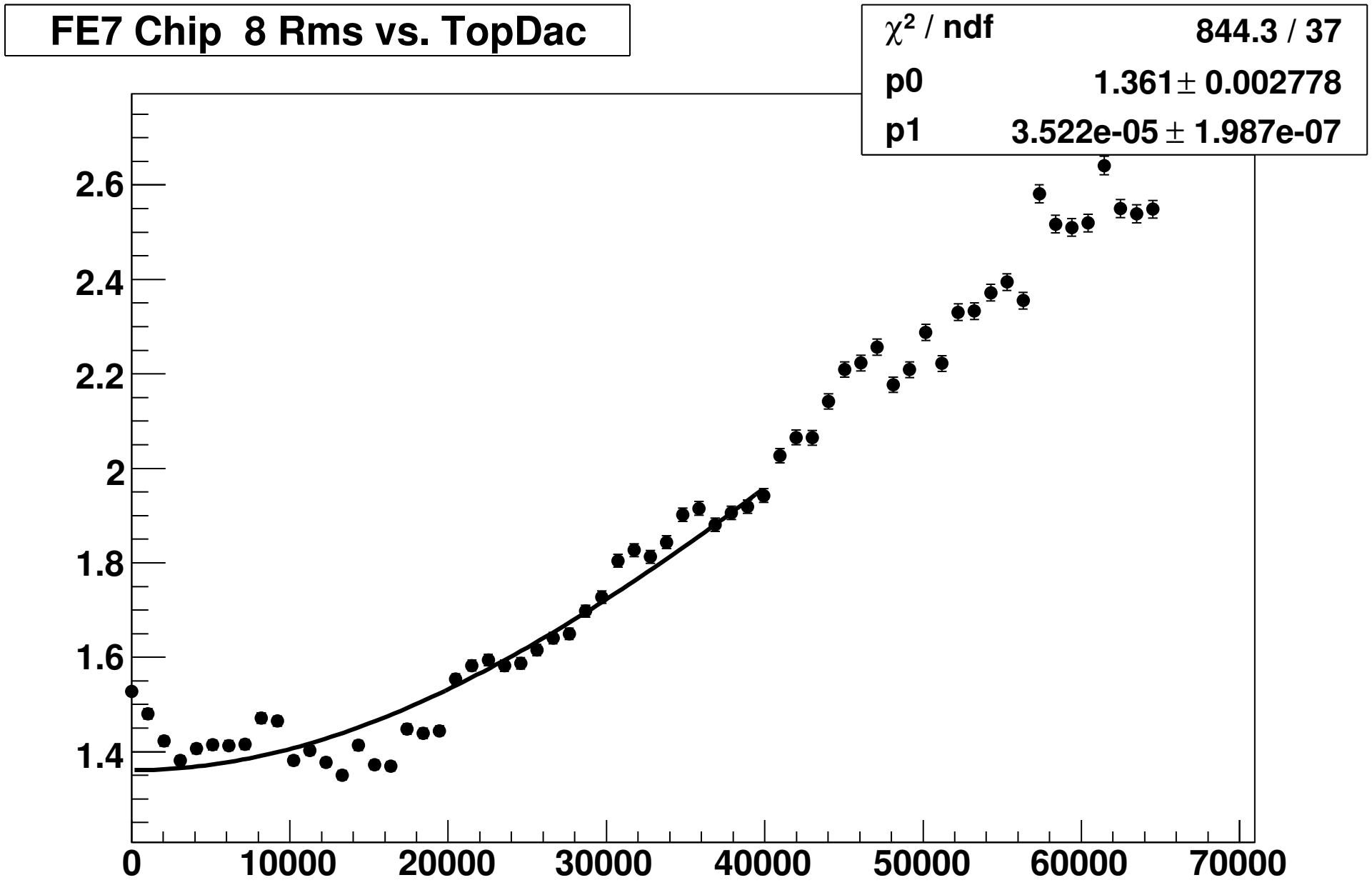
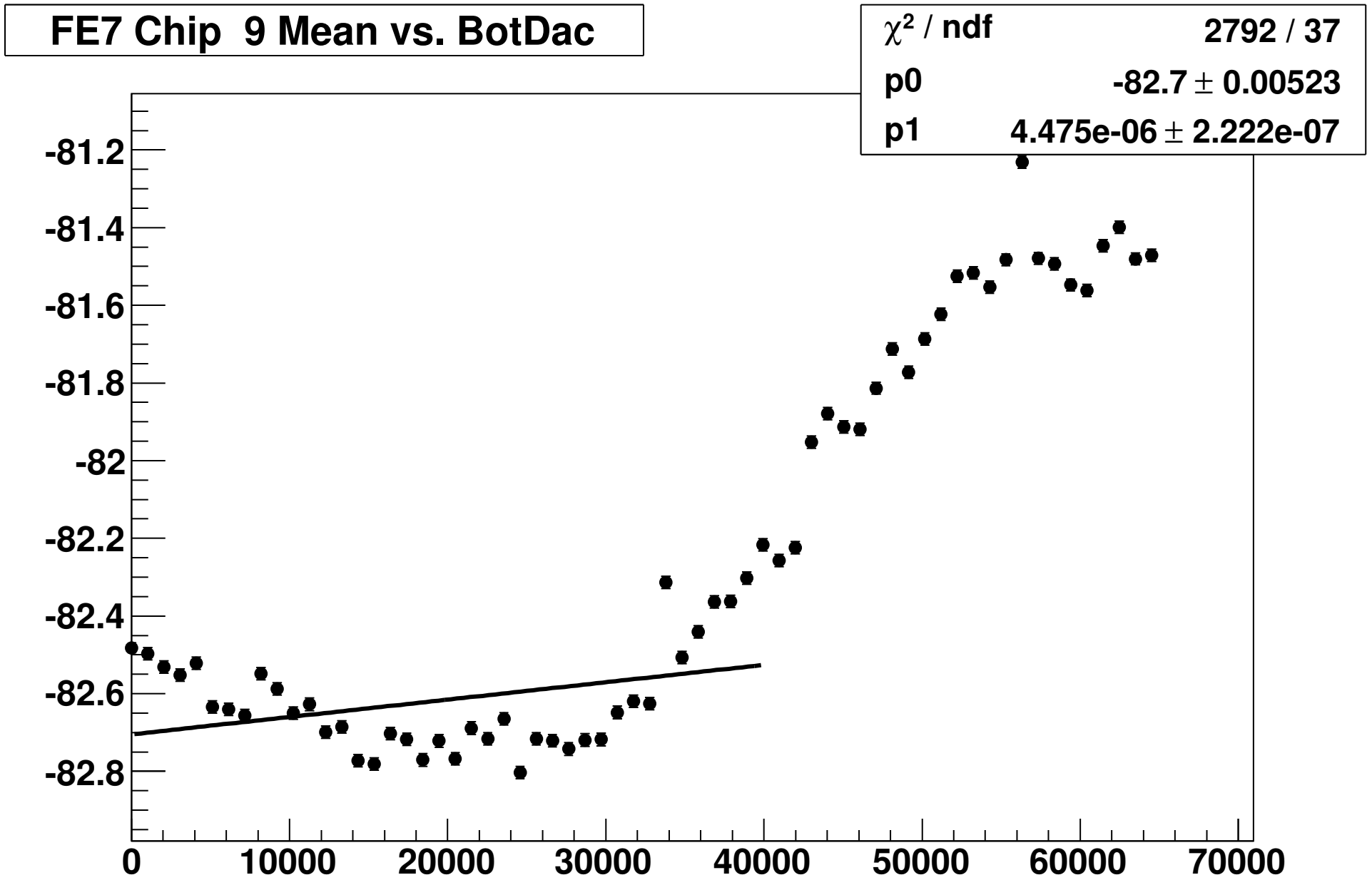
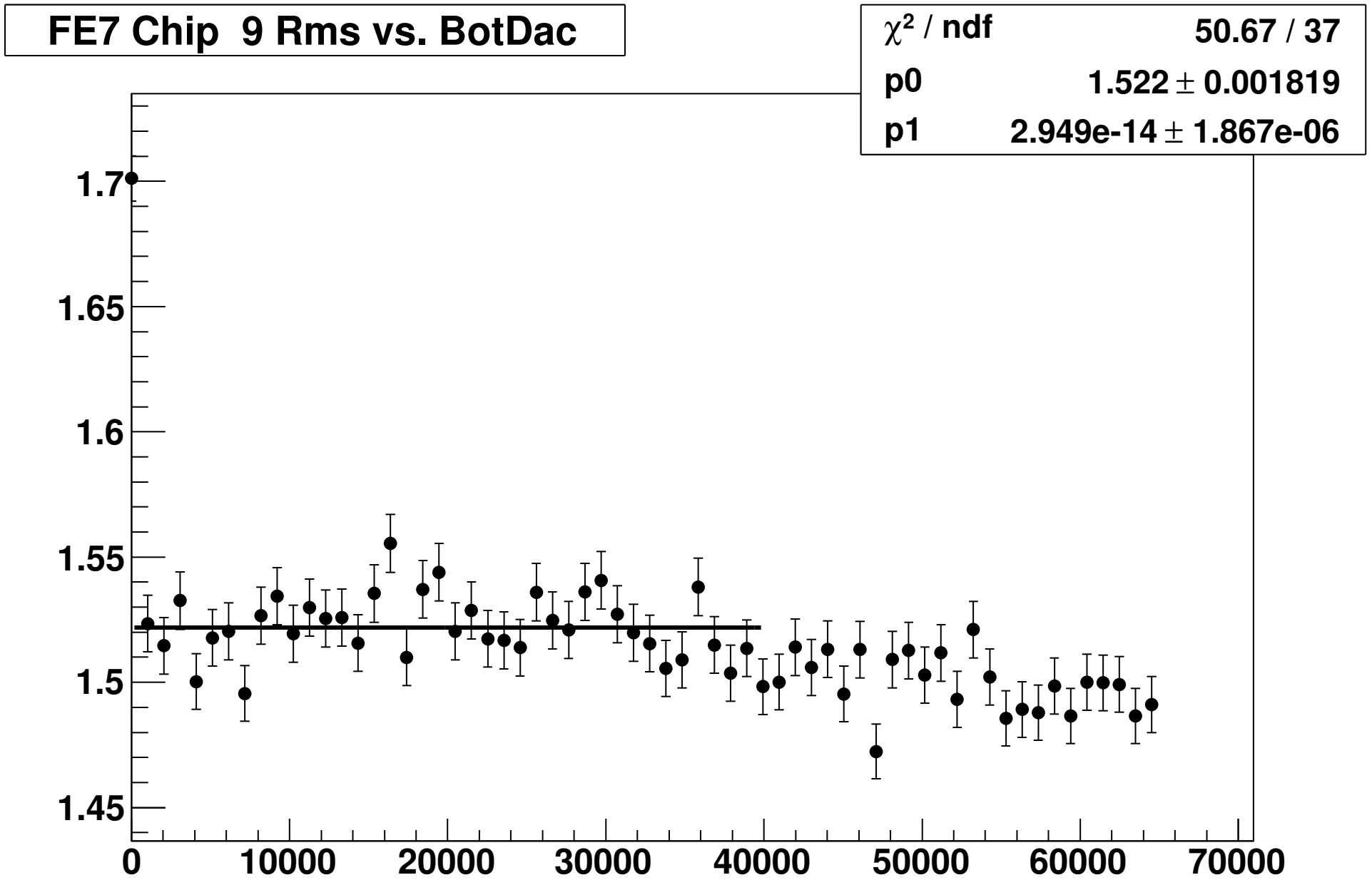
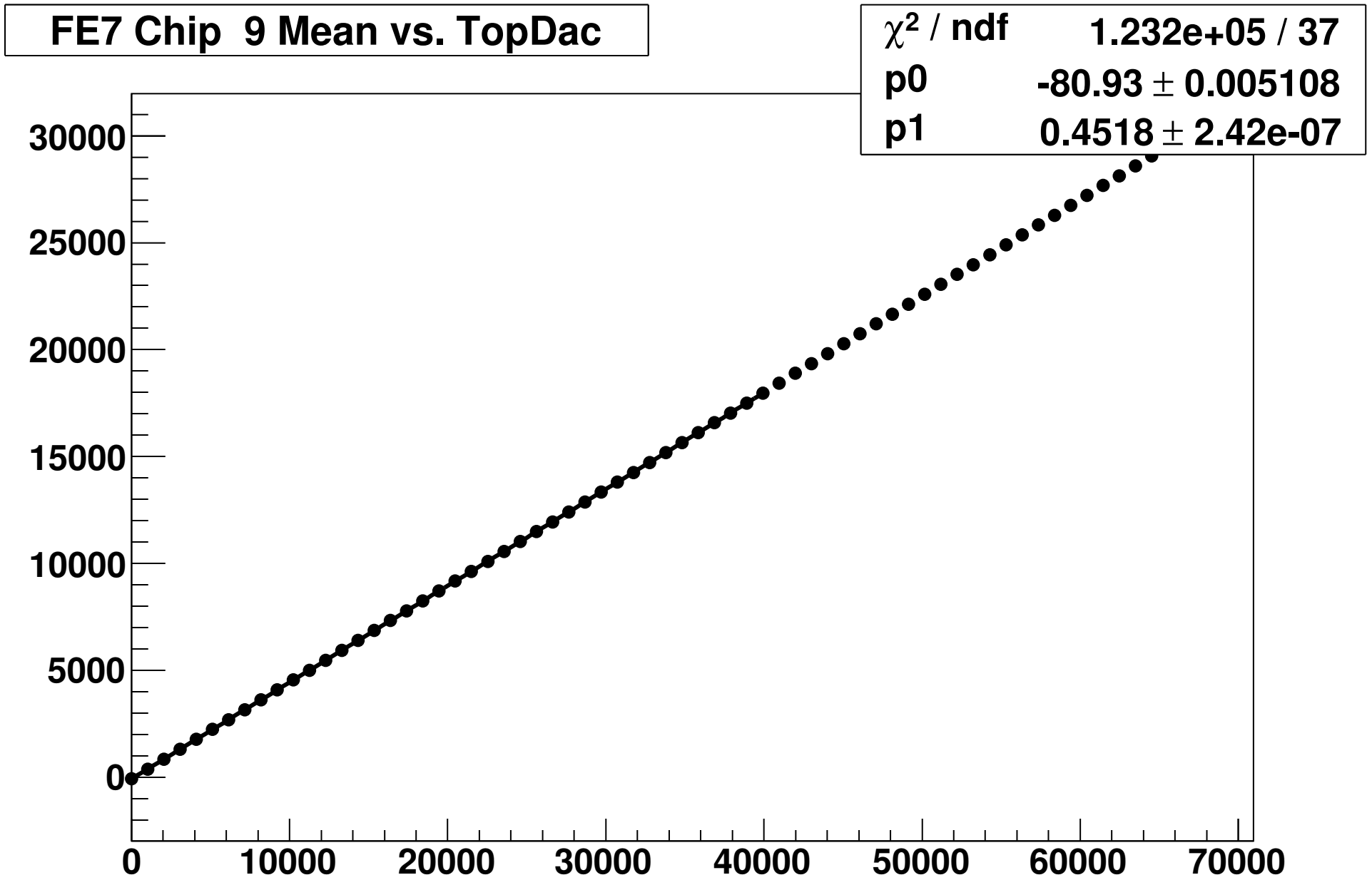
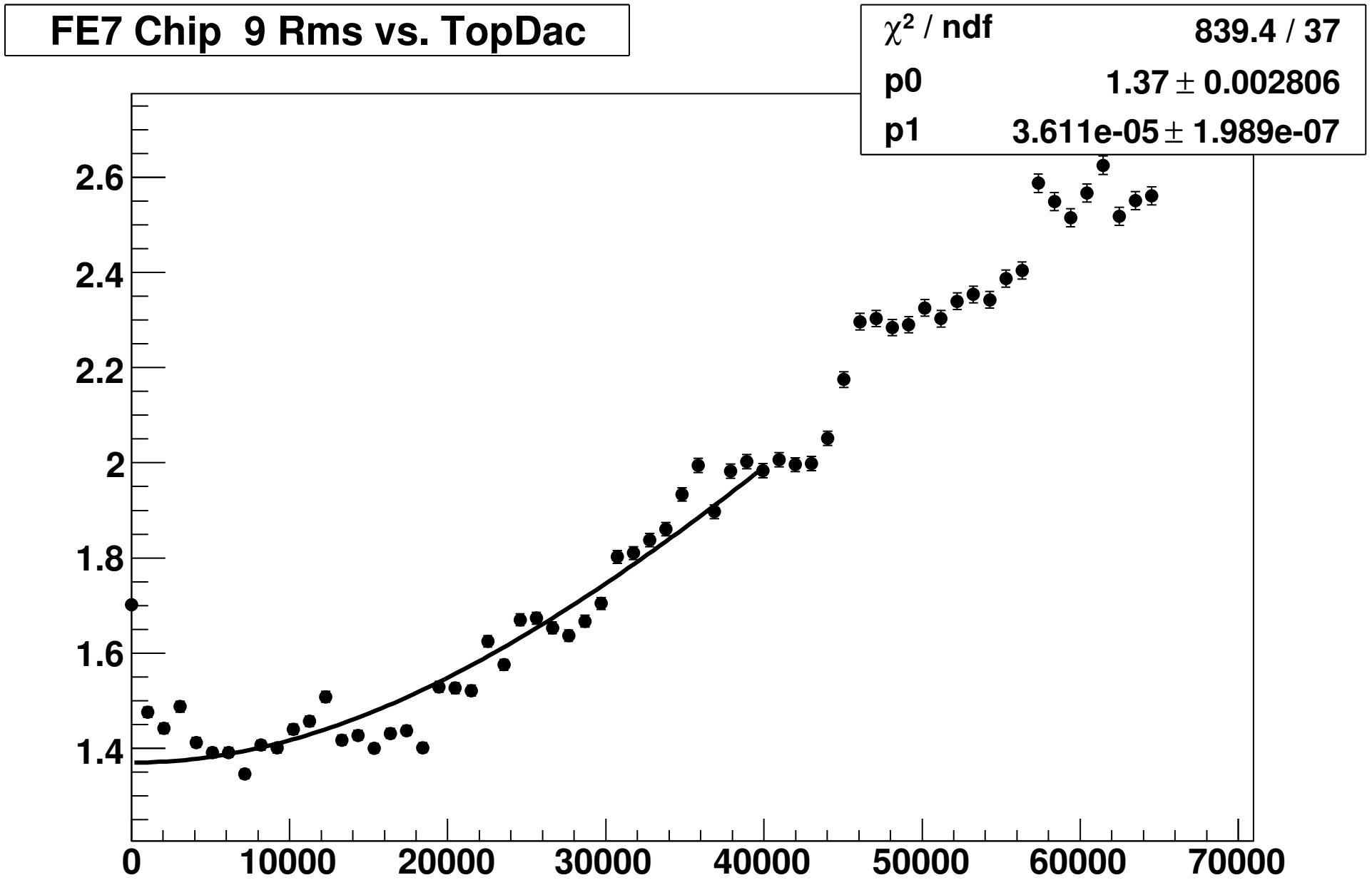
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

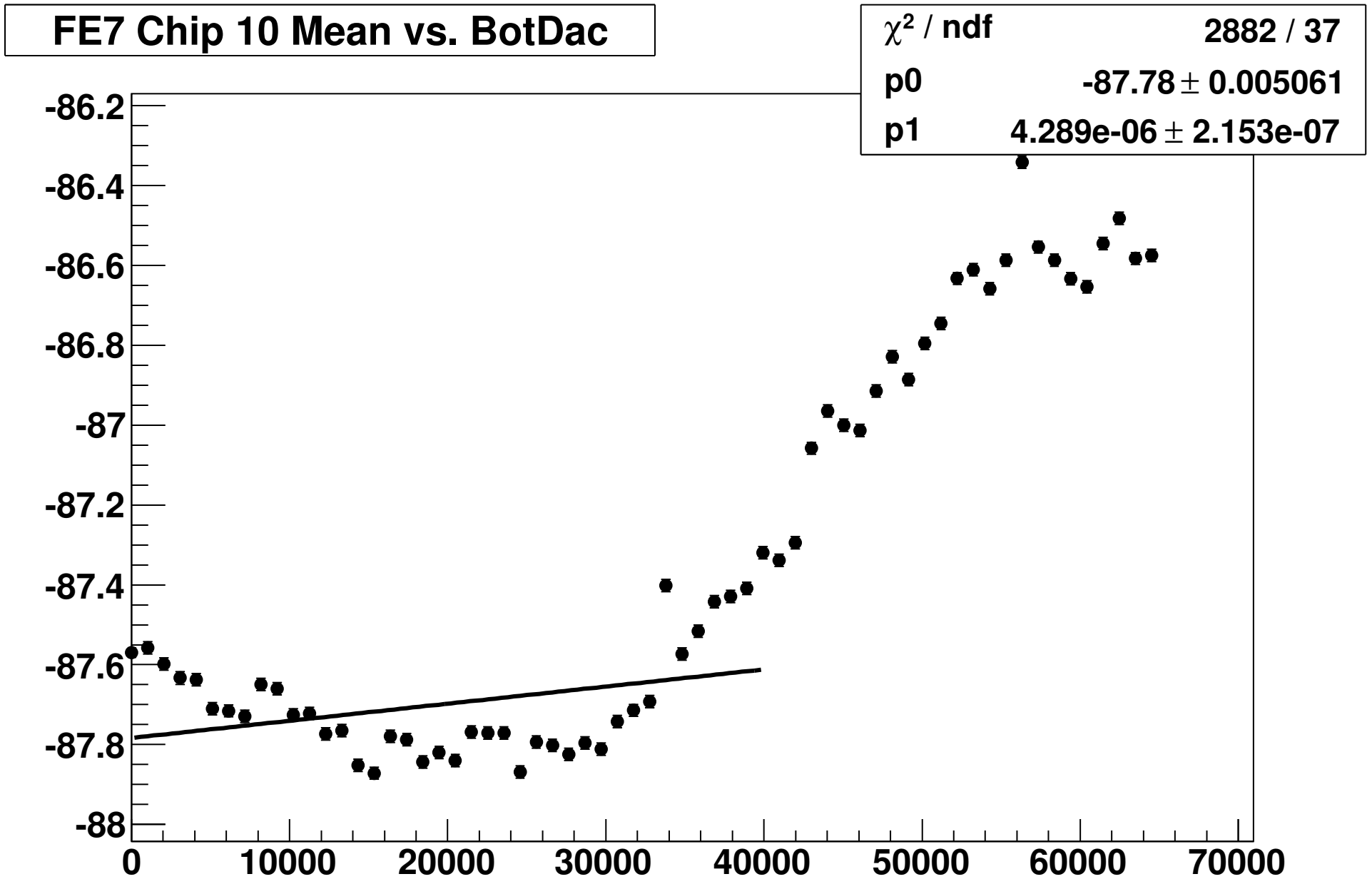

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 844.3 / 37
p0 1.361 ± 0.002778
p1 3.522e-05 ± 1.987e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

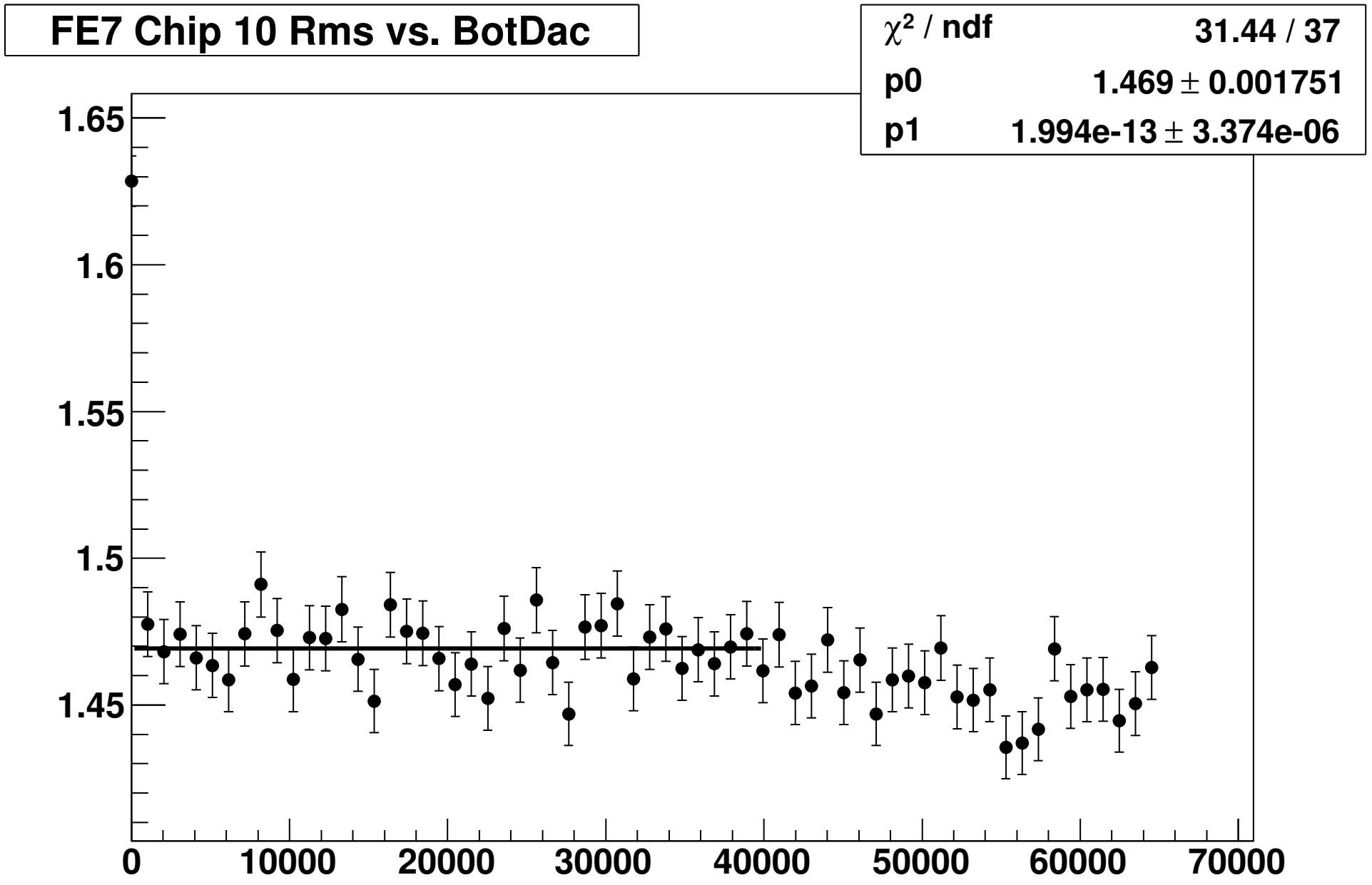

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 2792 / 37
p0 -82.7 ± 0.00523
p1 4.475e-06 ± 2.222e-07
-81.2
-81.4
-81.6
-81.8
-82
-82.2
-82.4
-82.6
-82.8
0
10000
20000
30000
40000
50000
60000
70000

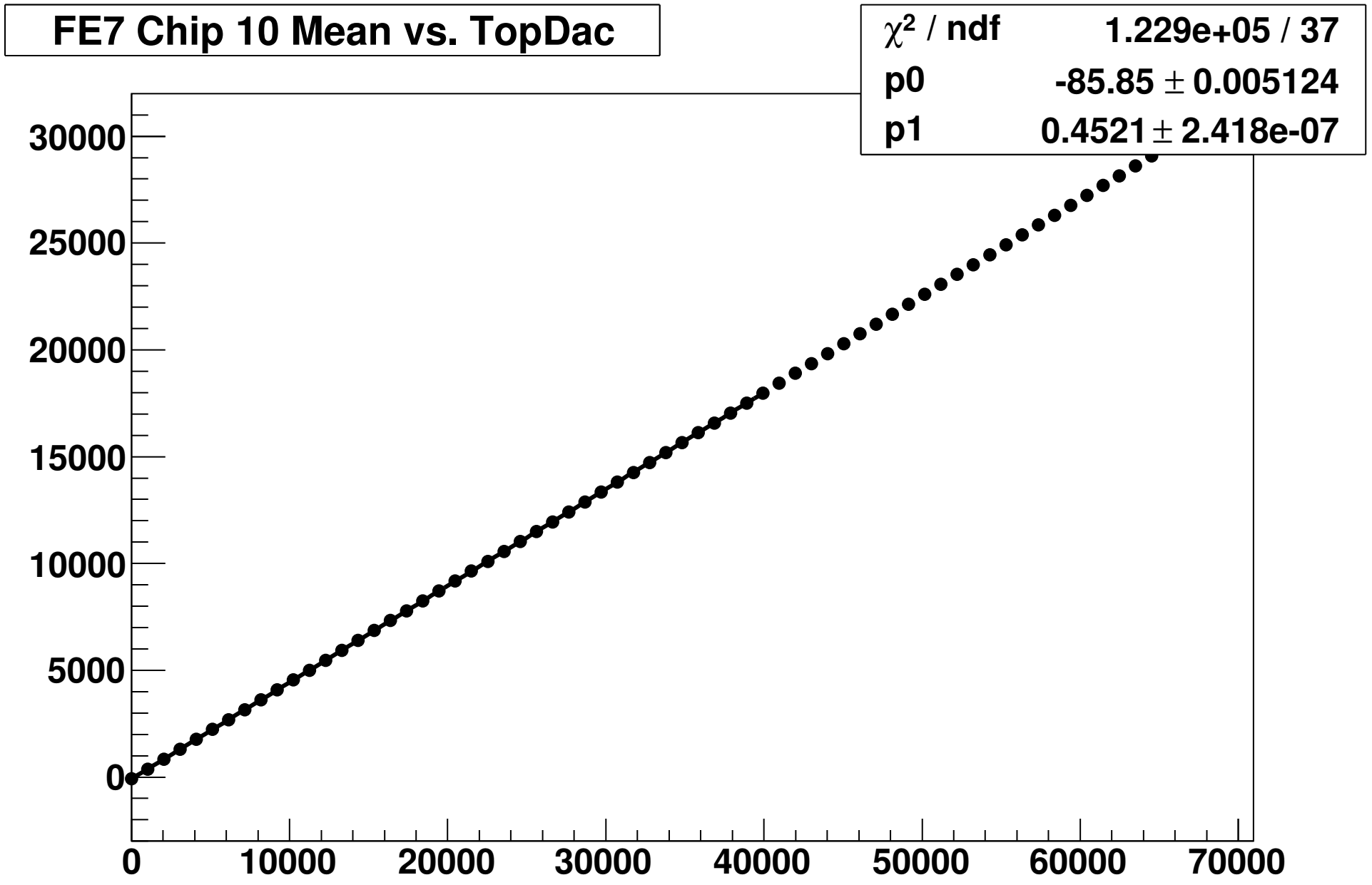

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 50.67 / 37
p0 1.522 ± 0.001819
p1 2.949e-14 ± 1.867e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

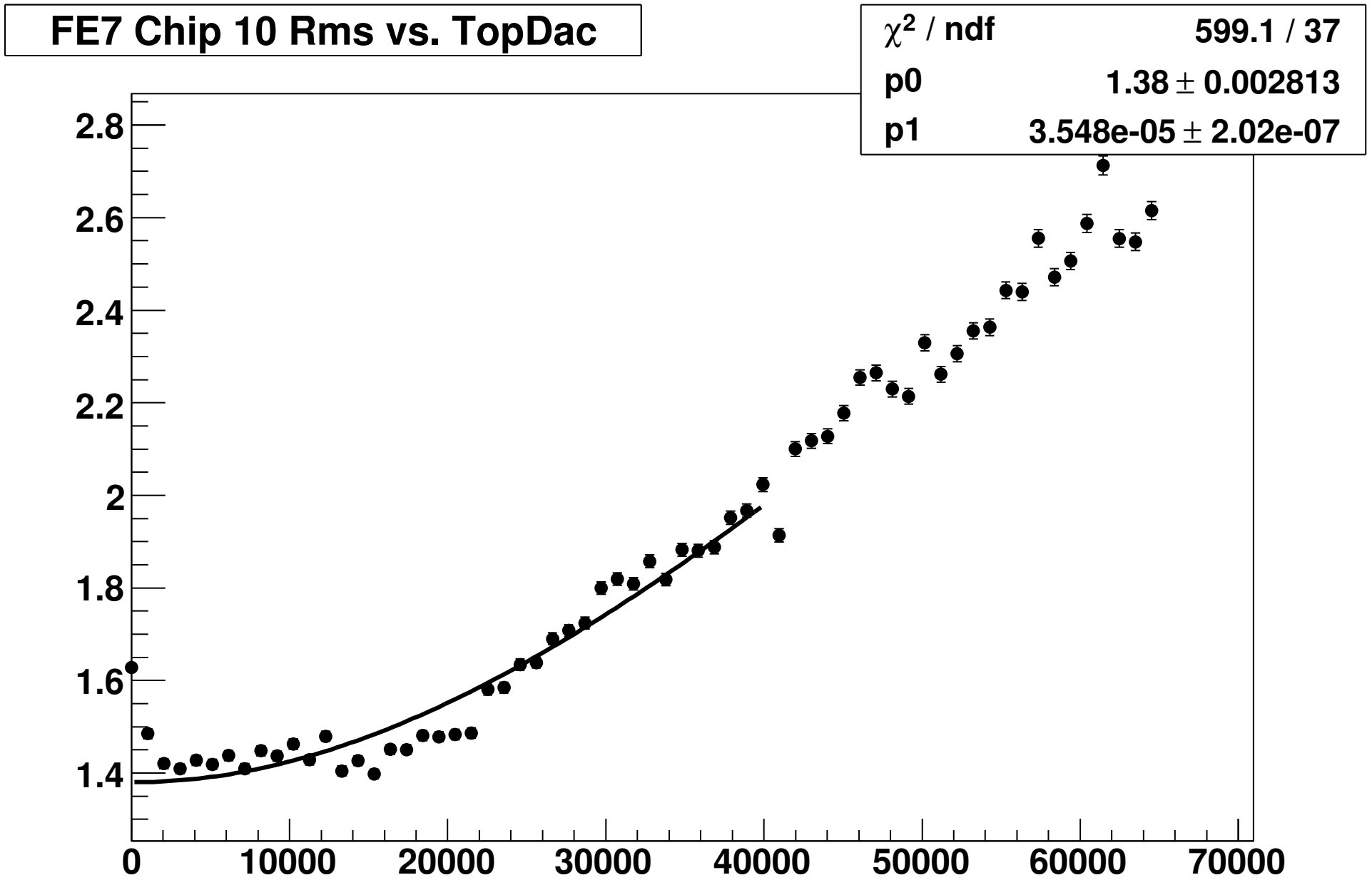

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.232e+05 / 37
p0 -80.93 ± 0.005108
p1 0.4518 ± 2.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

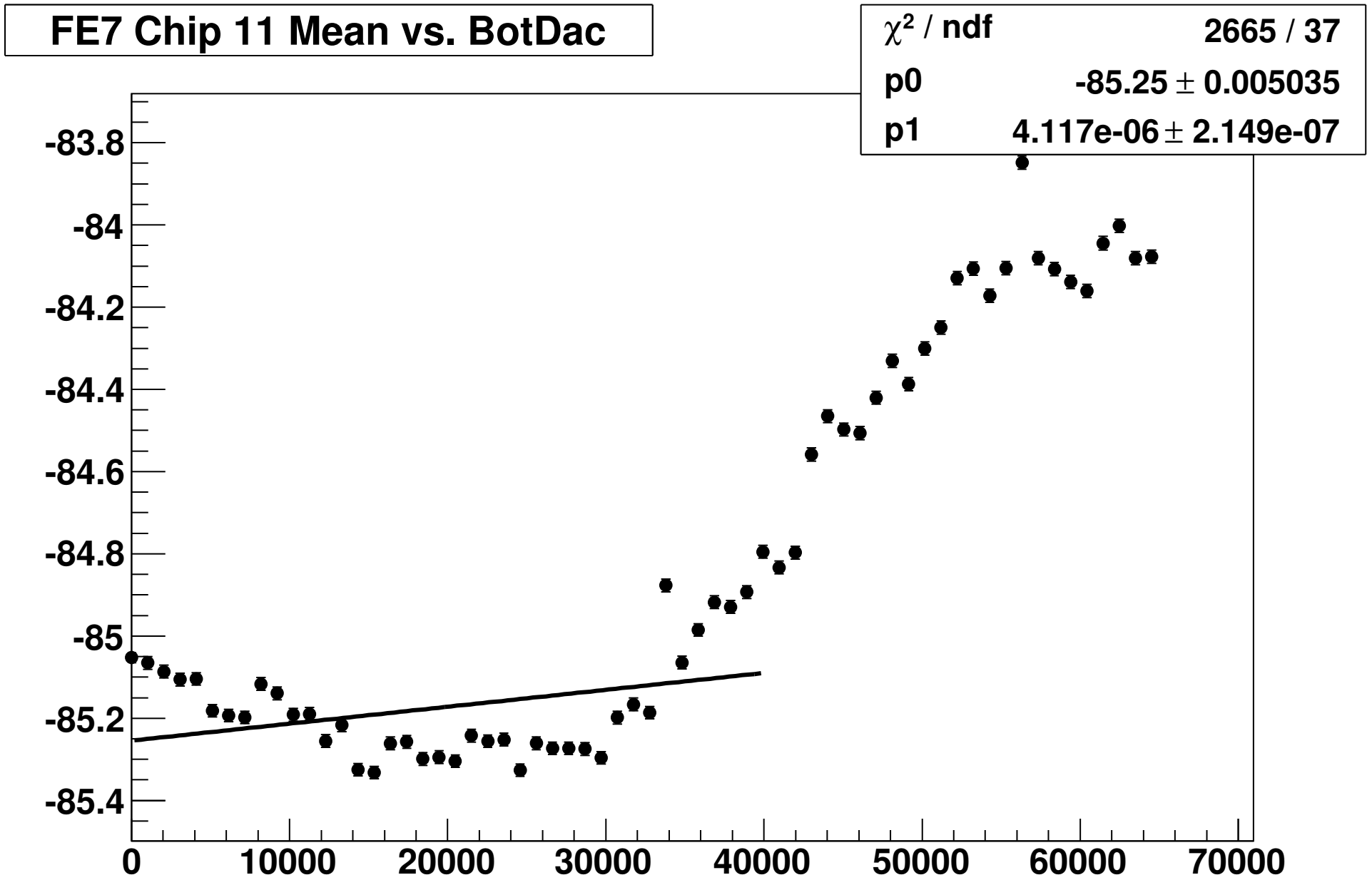

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 839.4 / 37
p0 1.37 ± 0.002806
p1 3.611e-05 ± 1.989e-07
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

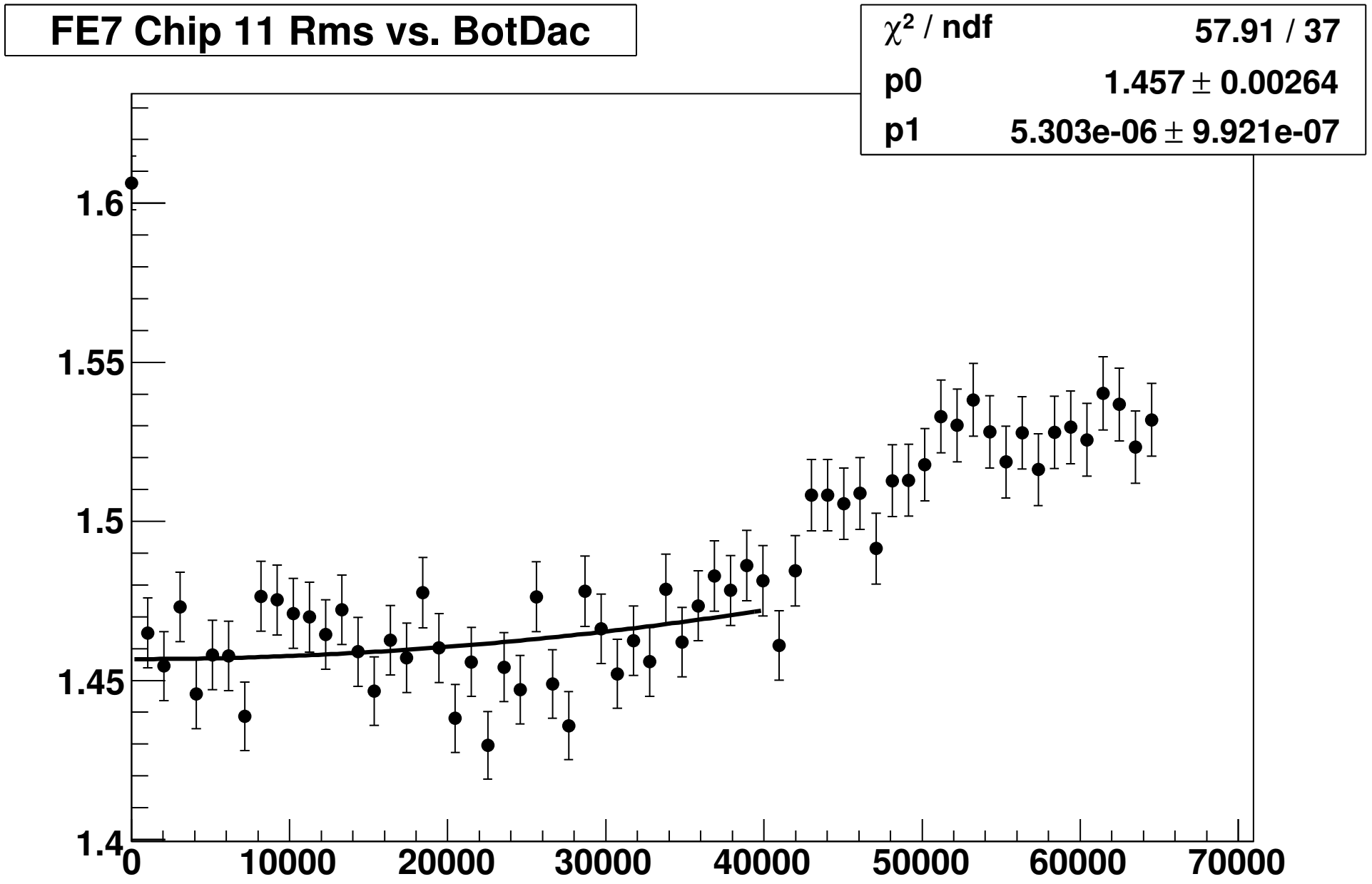

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 2882 / 37
p0 -87.78 ± 0.005061
p1 4.289e-06 ± 2.153e-07
-86.2
-86.4
-86.6
-86.8
-87
-87.2
-87.4
-87.6
-87.8
-88
0
10000
20000
30000
40000
50000
60000
70000

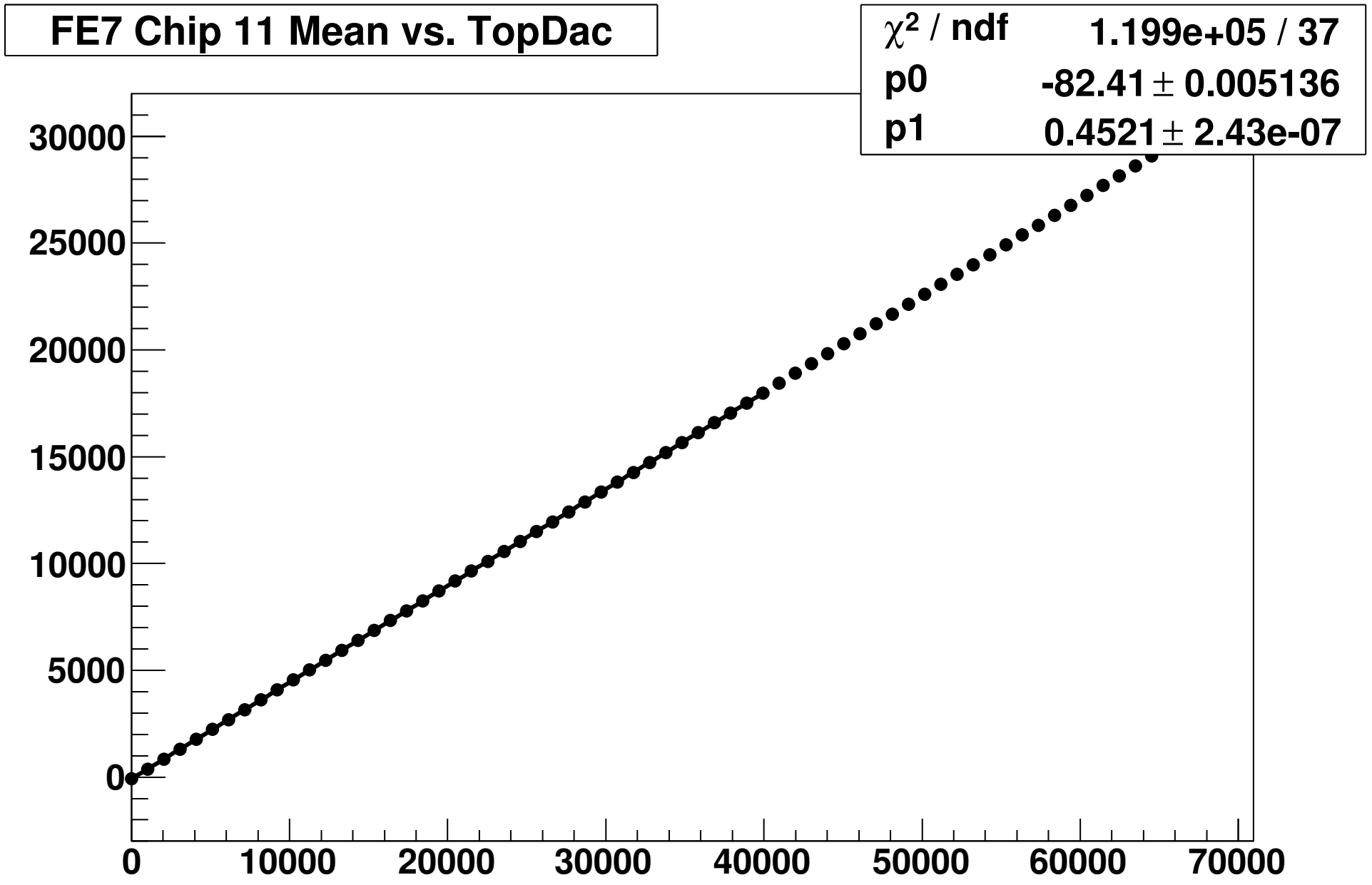

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 31.44 / 37
p0 1.469 ± 0.001751
p1 1.994e-13 ± 3.374e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

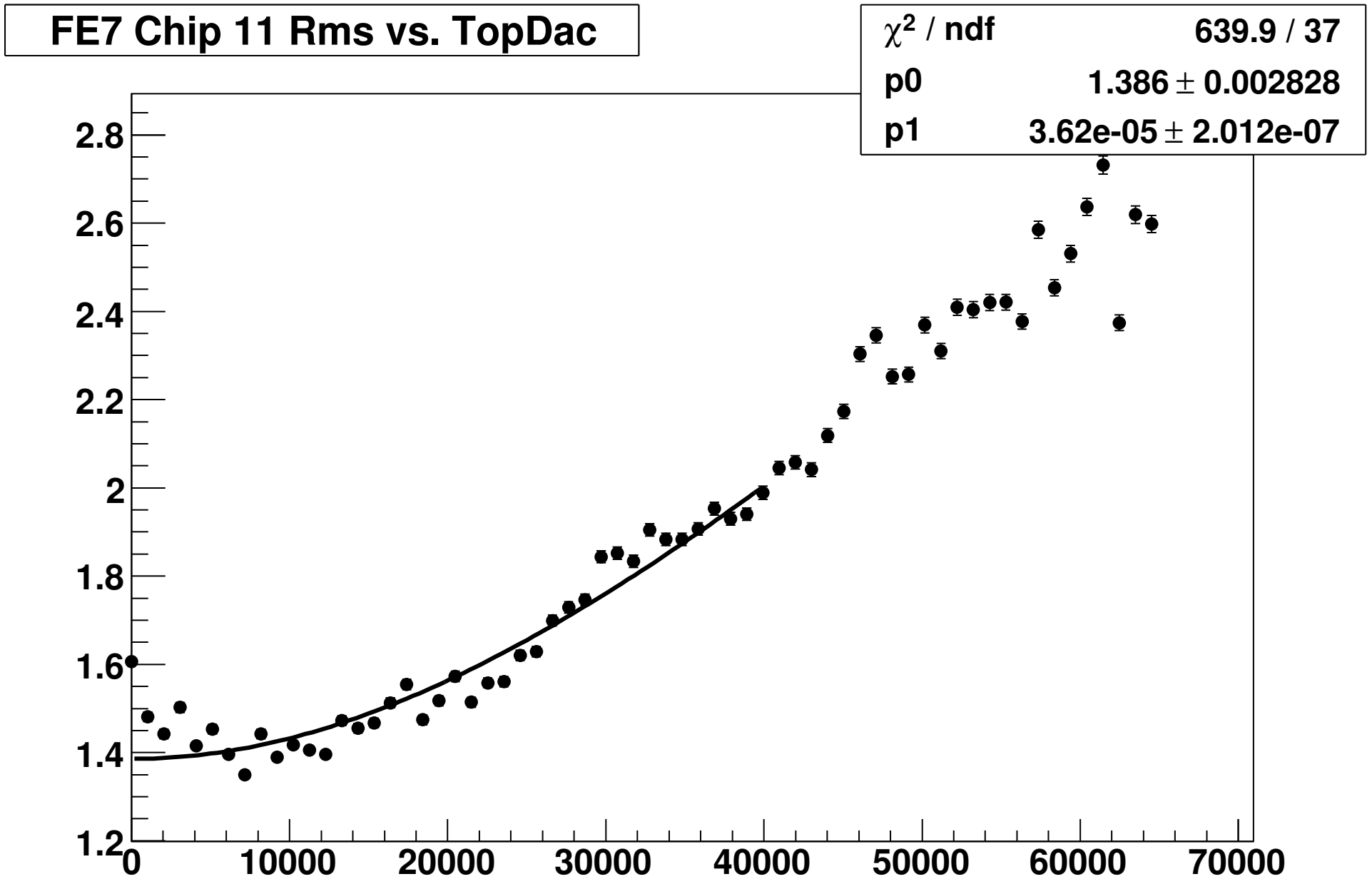

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.229e+05 / 37
p0 -85.85 ± 0.005124
p1 0.4521 ± 2.418e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

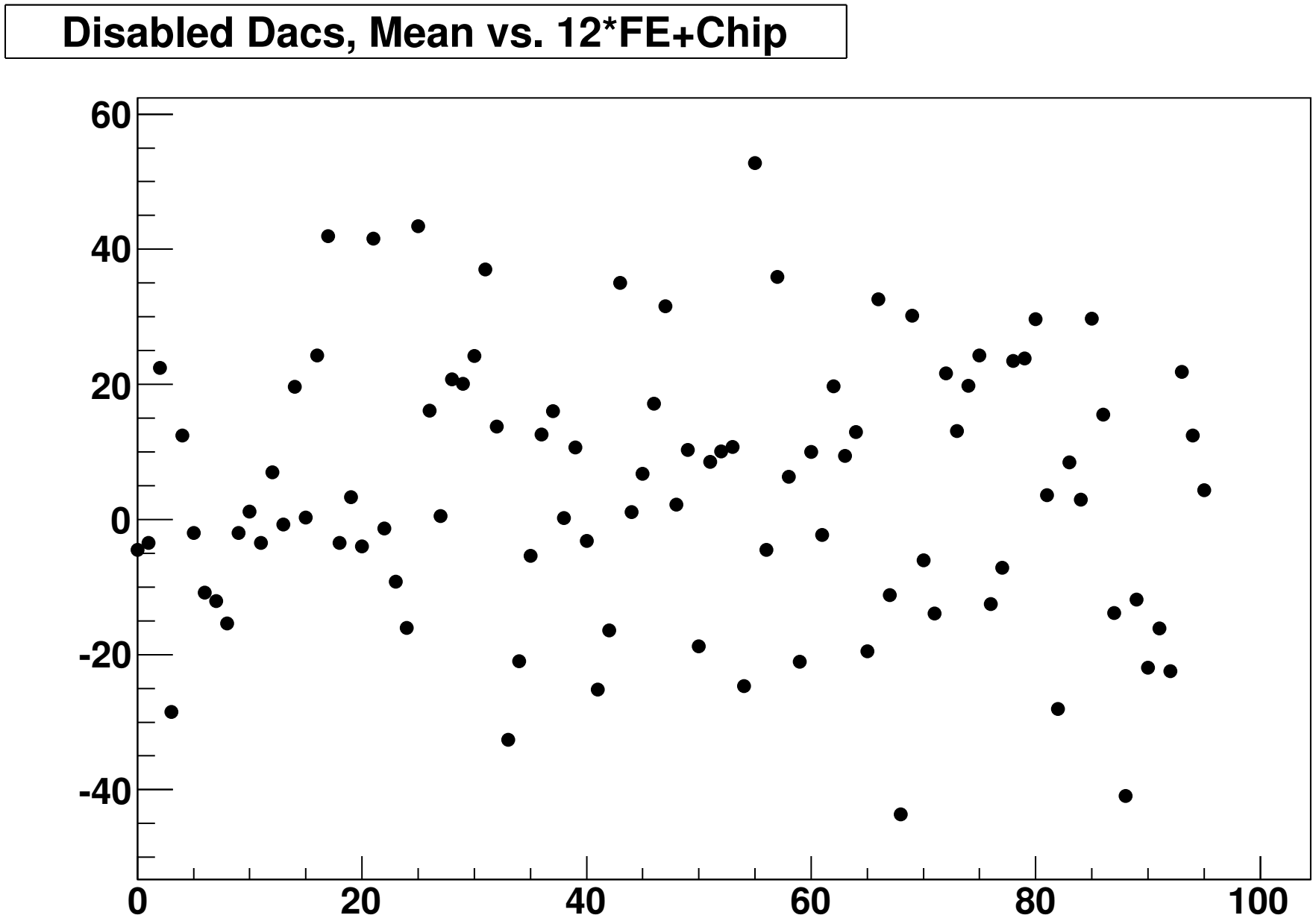

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 599.1 / 37
p0 1.38 ± 0.002813
p1 3.548e-05 ± 2.02e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

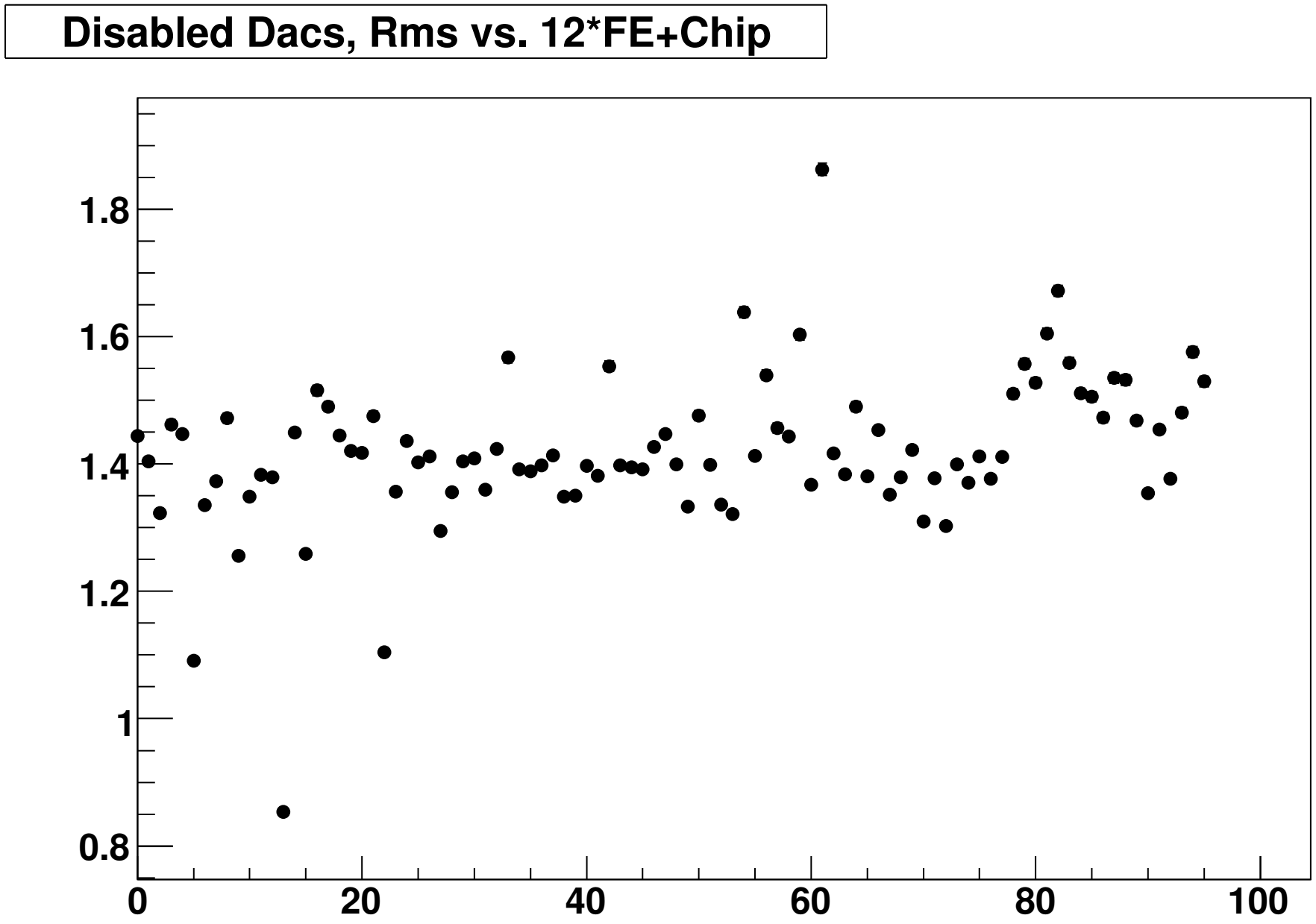

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 2665 / 37
p0 -85.25 ± 0.005035
p1 4.117e-06 ± 2.149e-07
-83.8
-84
-84.2
-84.4
-84.6
-84.8
-85
-85.2
-85.4
0
10000
20000
30000
40000
50000
60000
70000

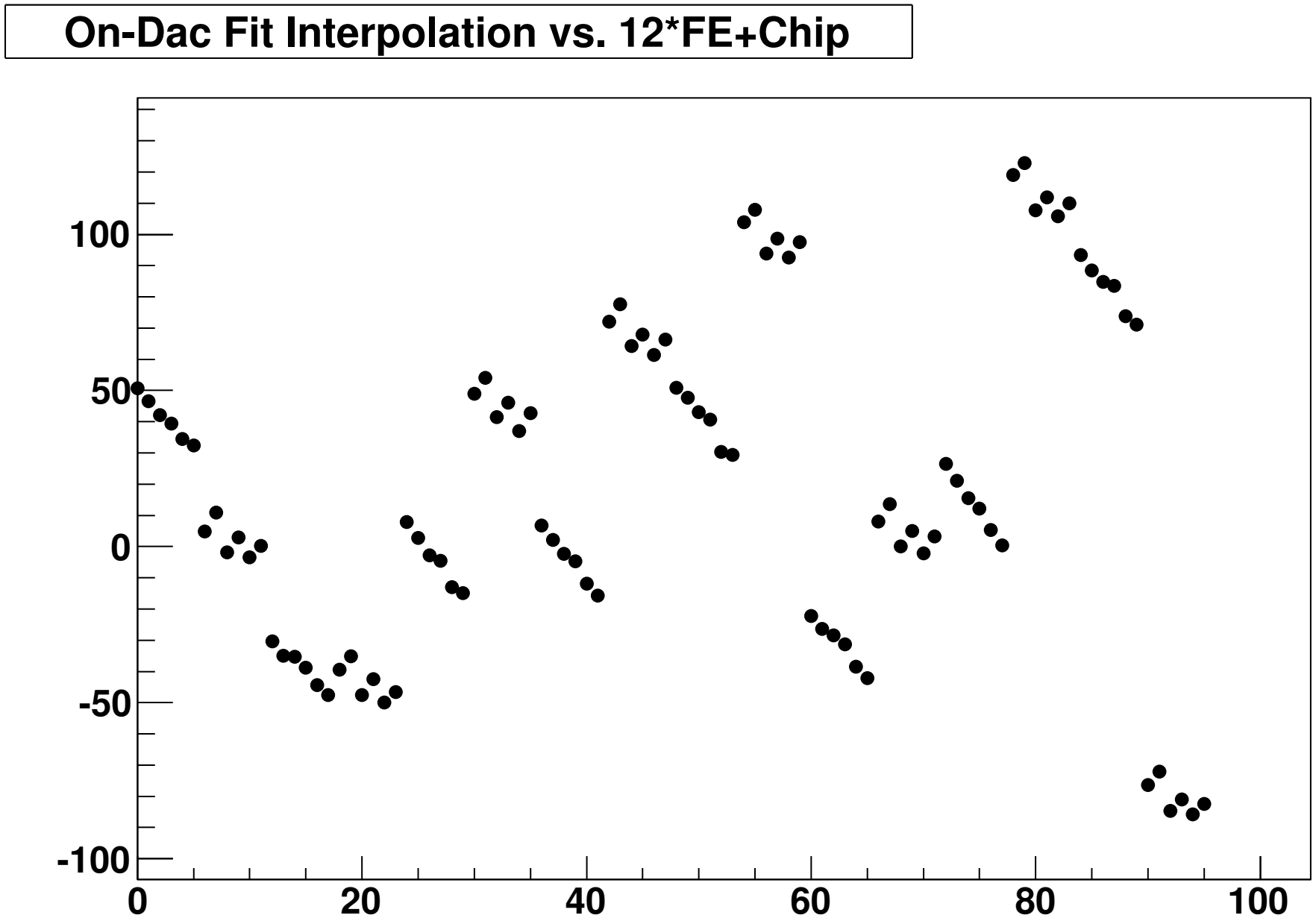

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 57.91 / 37
p0 1.457 ± 0.00264
p1 5.303e-06 ± 9.921e-07
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

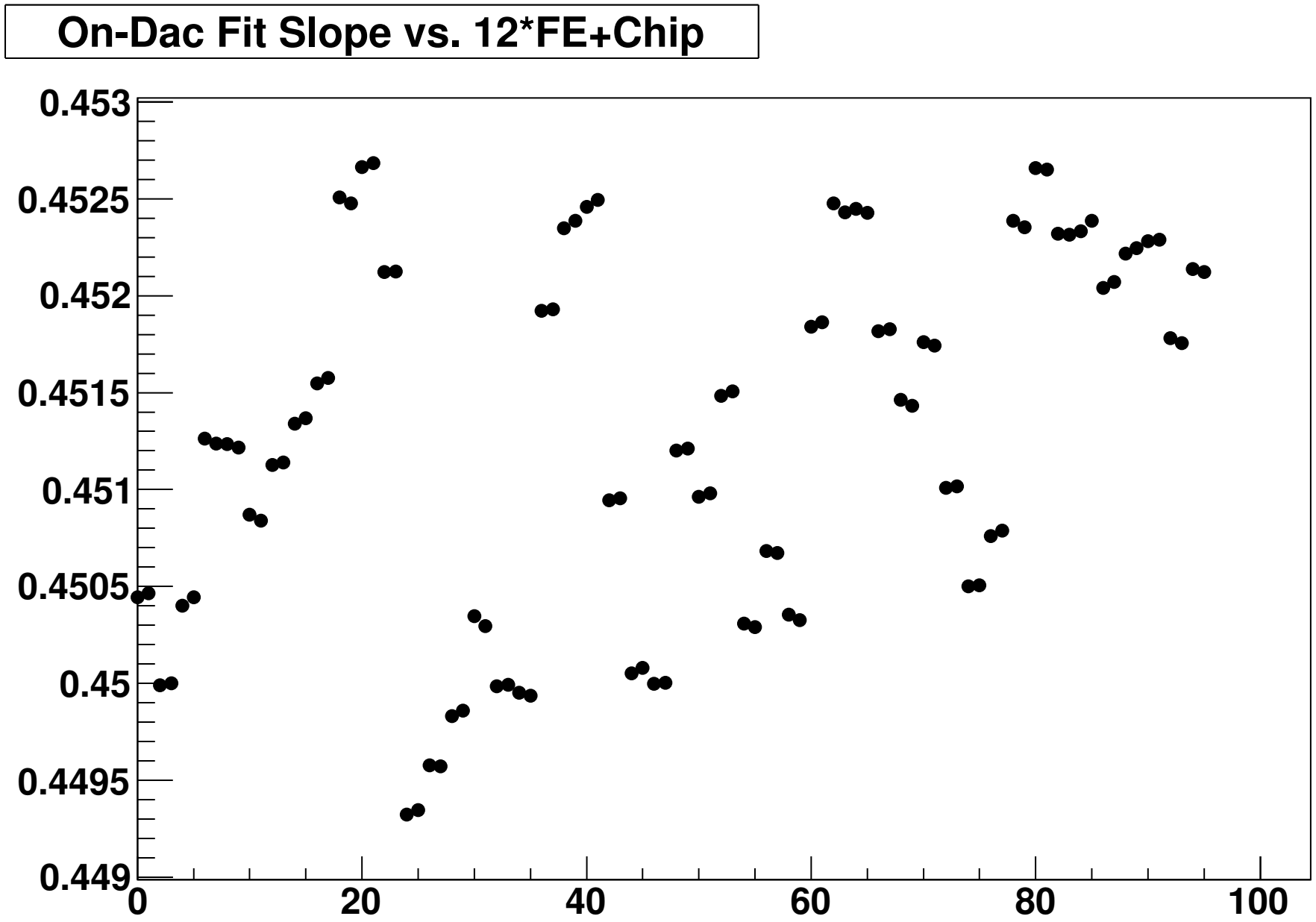

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 1.199e+05 / 37
p0 -82.41 ± 0.005136
p1 0.4521 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

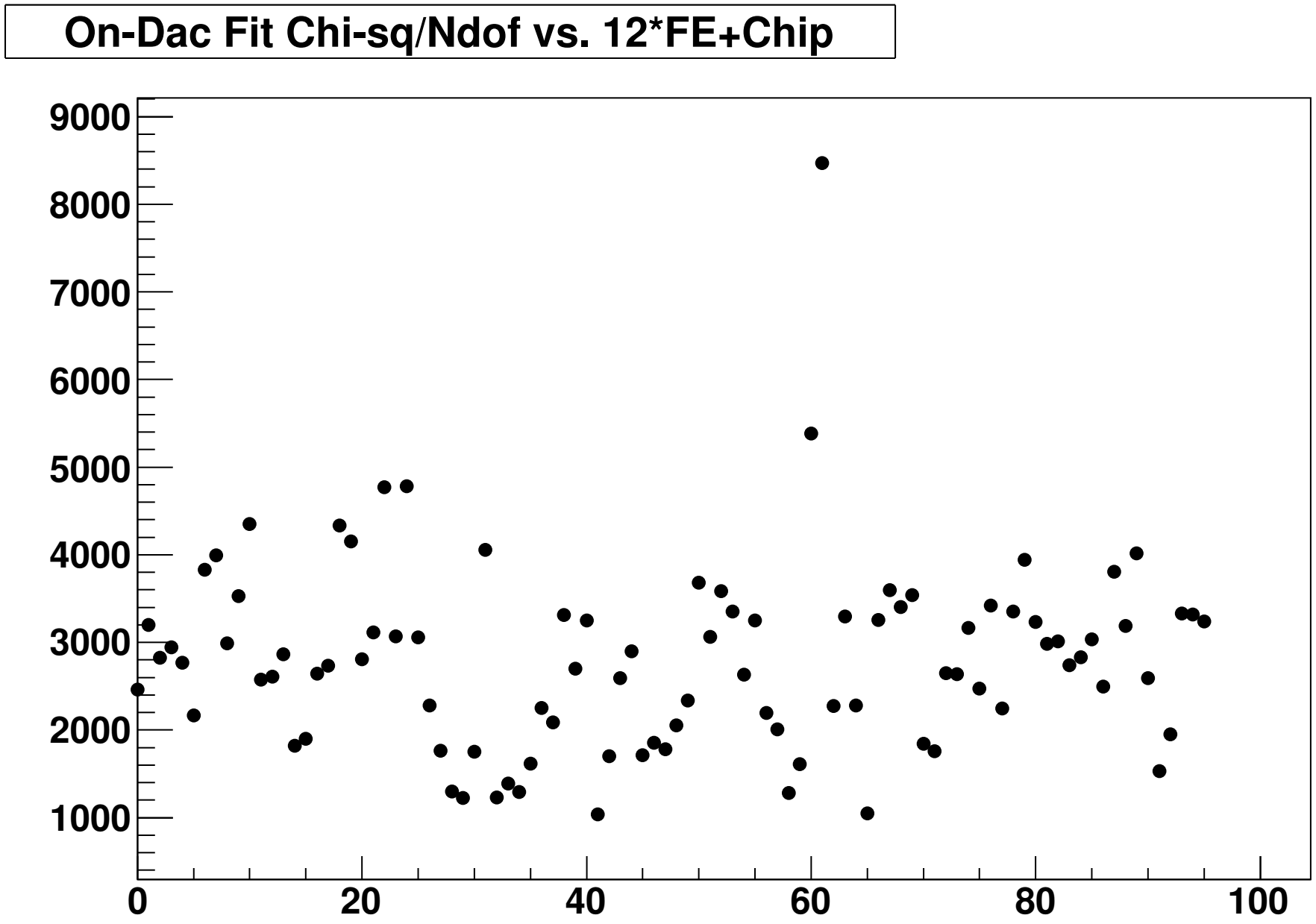

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 639.9 / 37
p0 1.386 ± 0.002828
p1 3.62e-05 ± 2.012e-07
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
10000
20000
30000
40000
50000
60000
70000

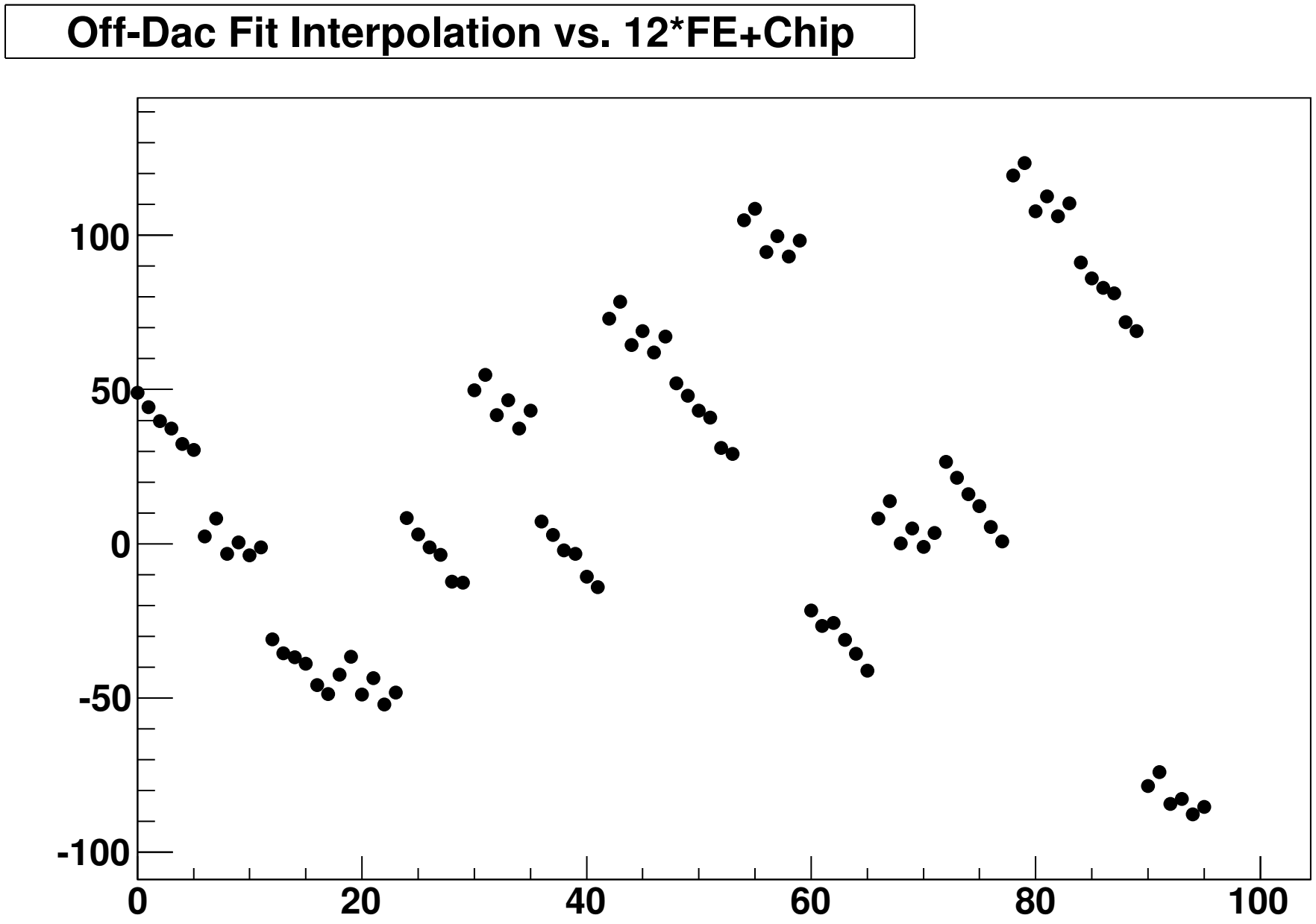

Disabled Dacs, Mean vs. 12*FE+Chip
60
40
20
0
-20
-40
0
20
40
60
80
100

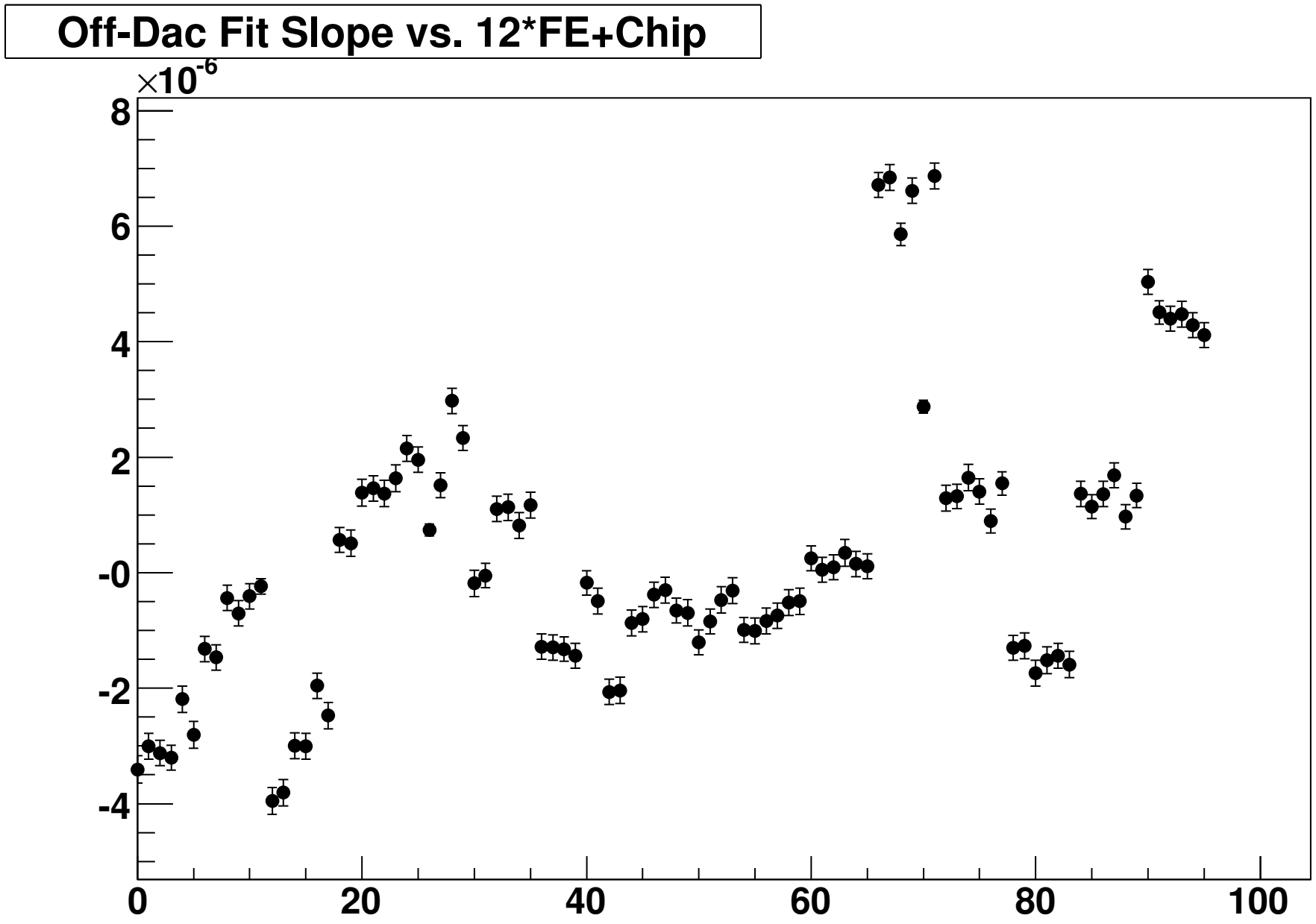

Disabled Dacs, Rms vs. 12*FE+Chip
1.8
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

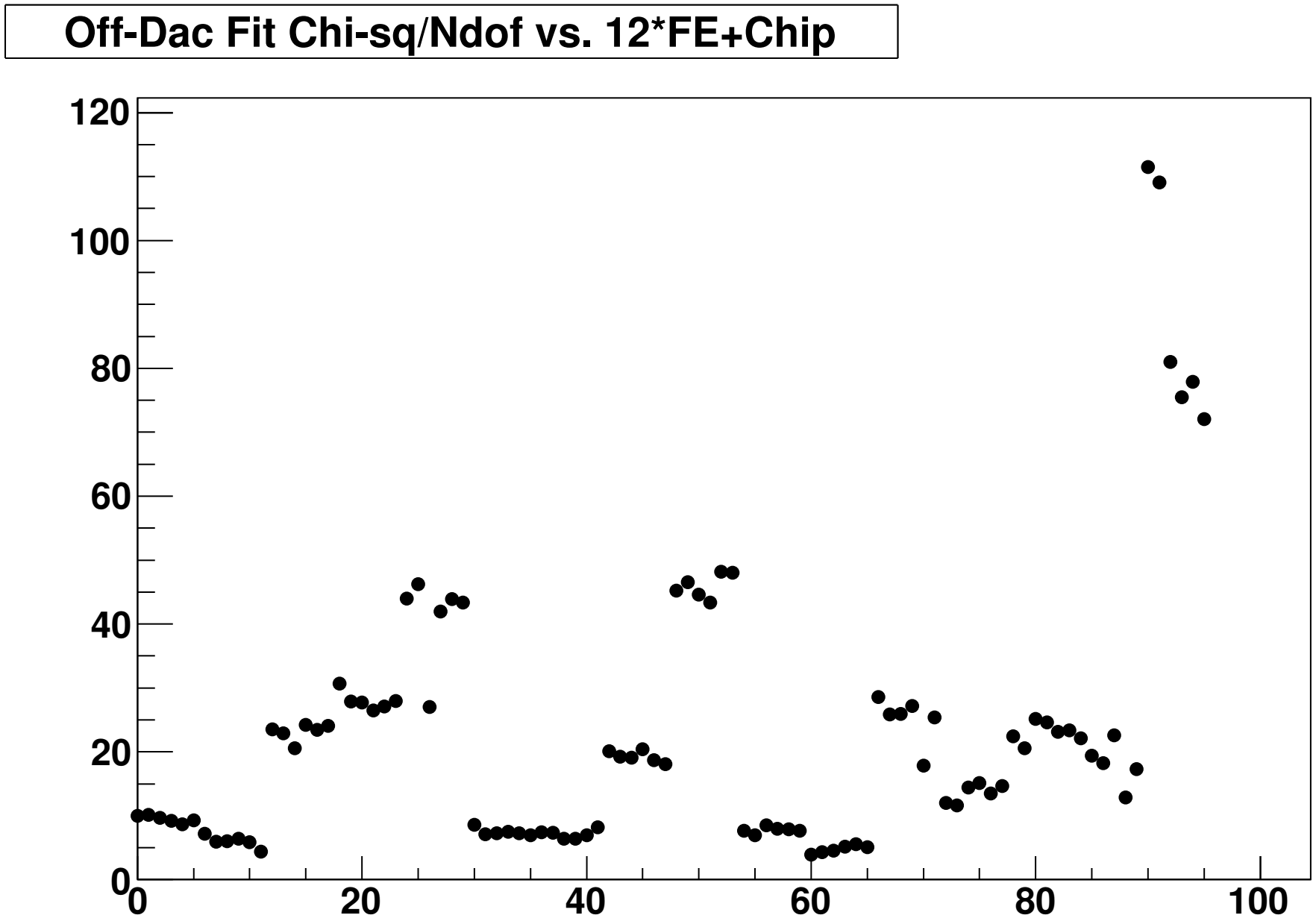

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

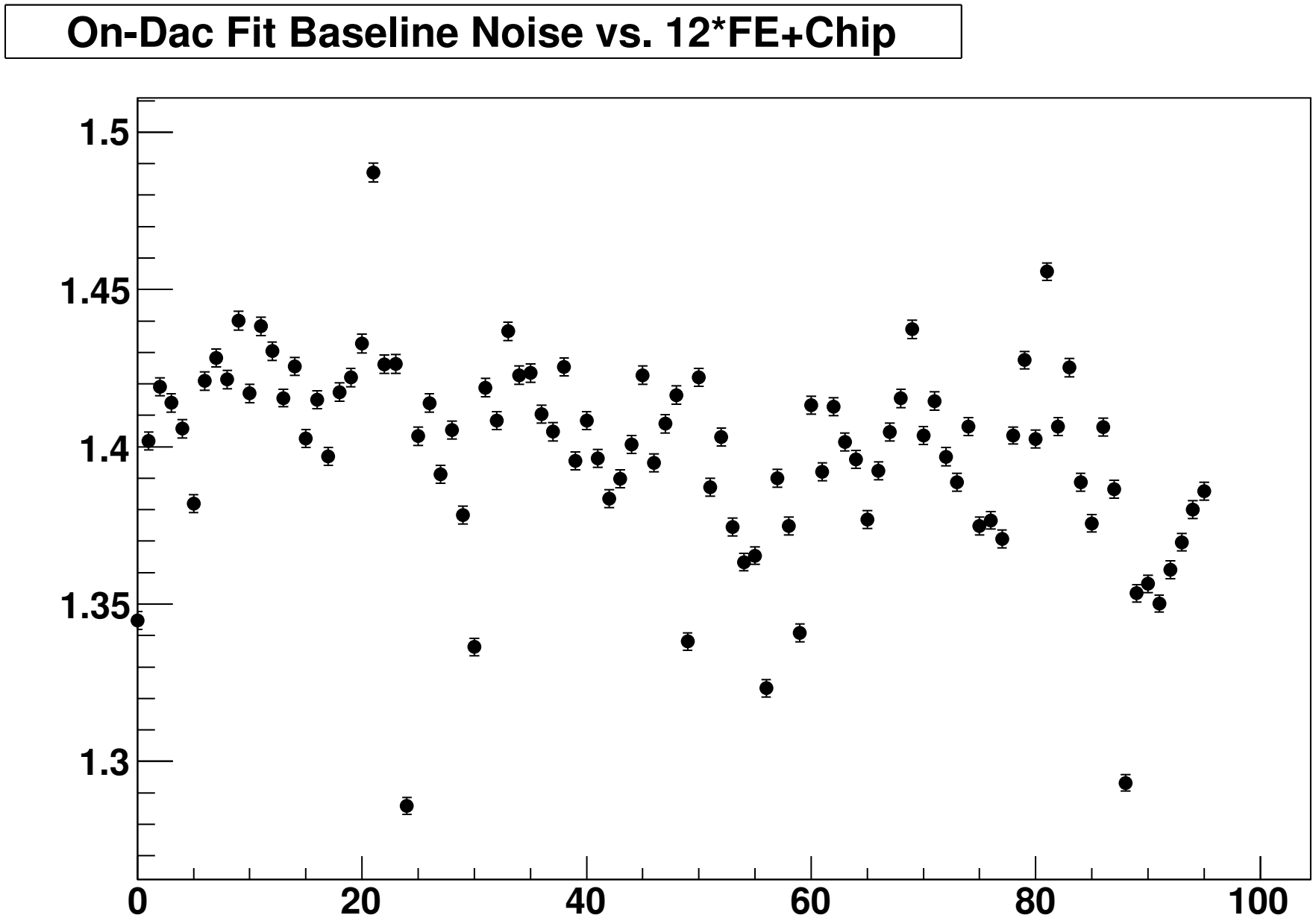

On-Dac Fit Slope vs. 12*FE+Chip
0.453
0.4525
0.452
0.4515
0.451
0.4505
0.45
0.4495
0.449
0
20
40
60
80
100

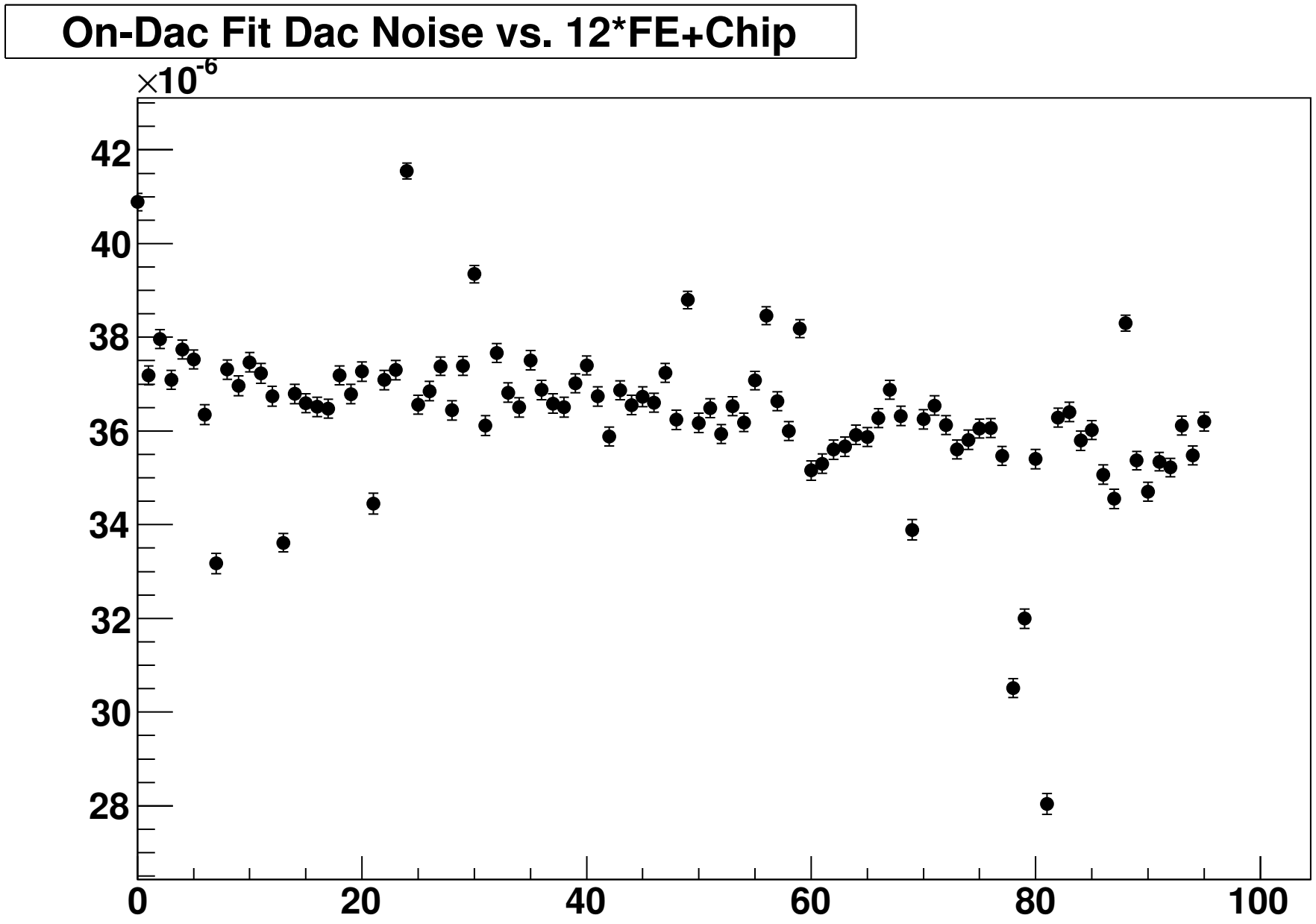

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
20
40
60
80
100

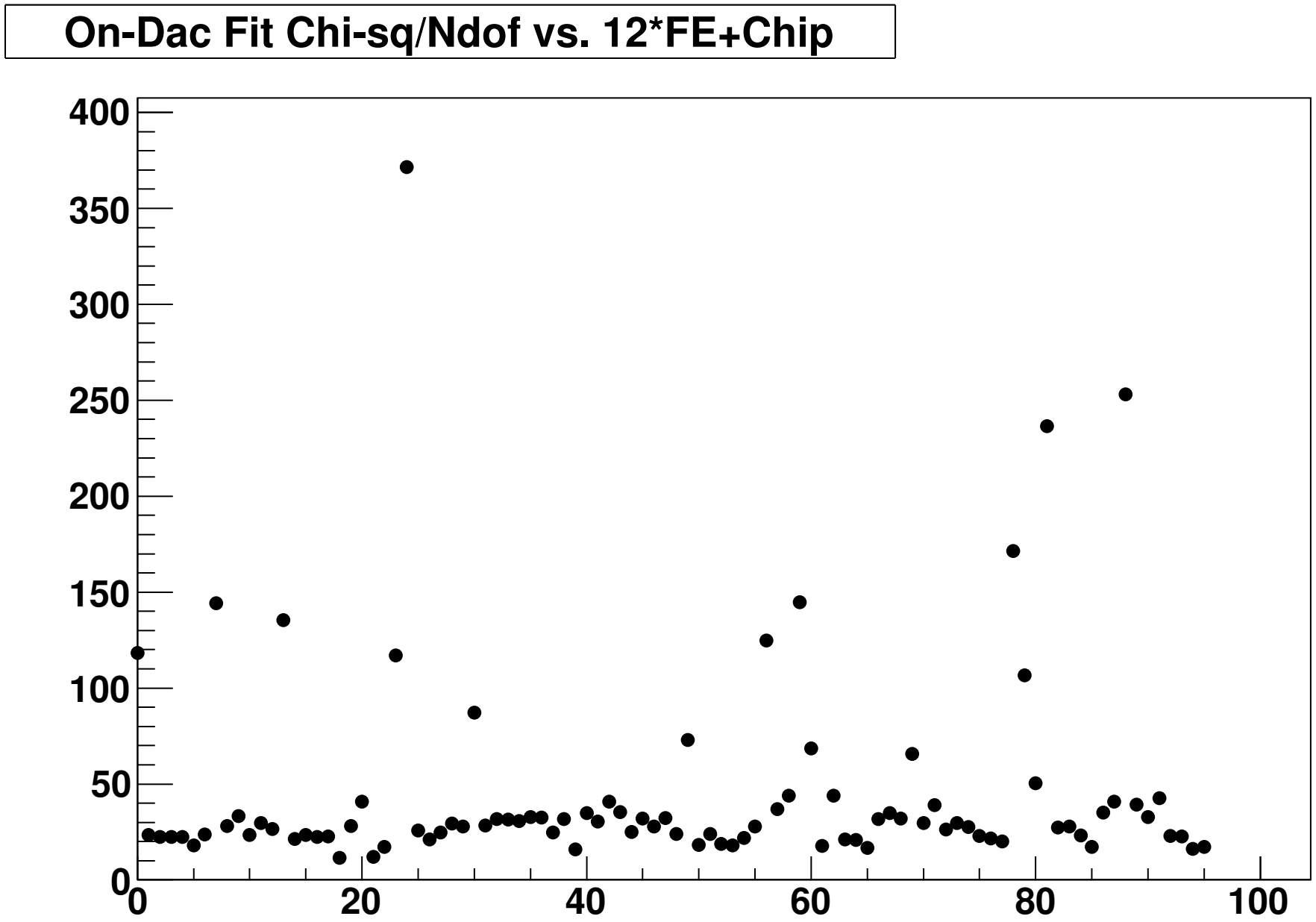

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

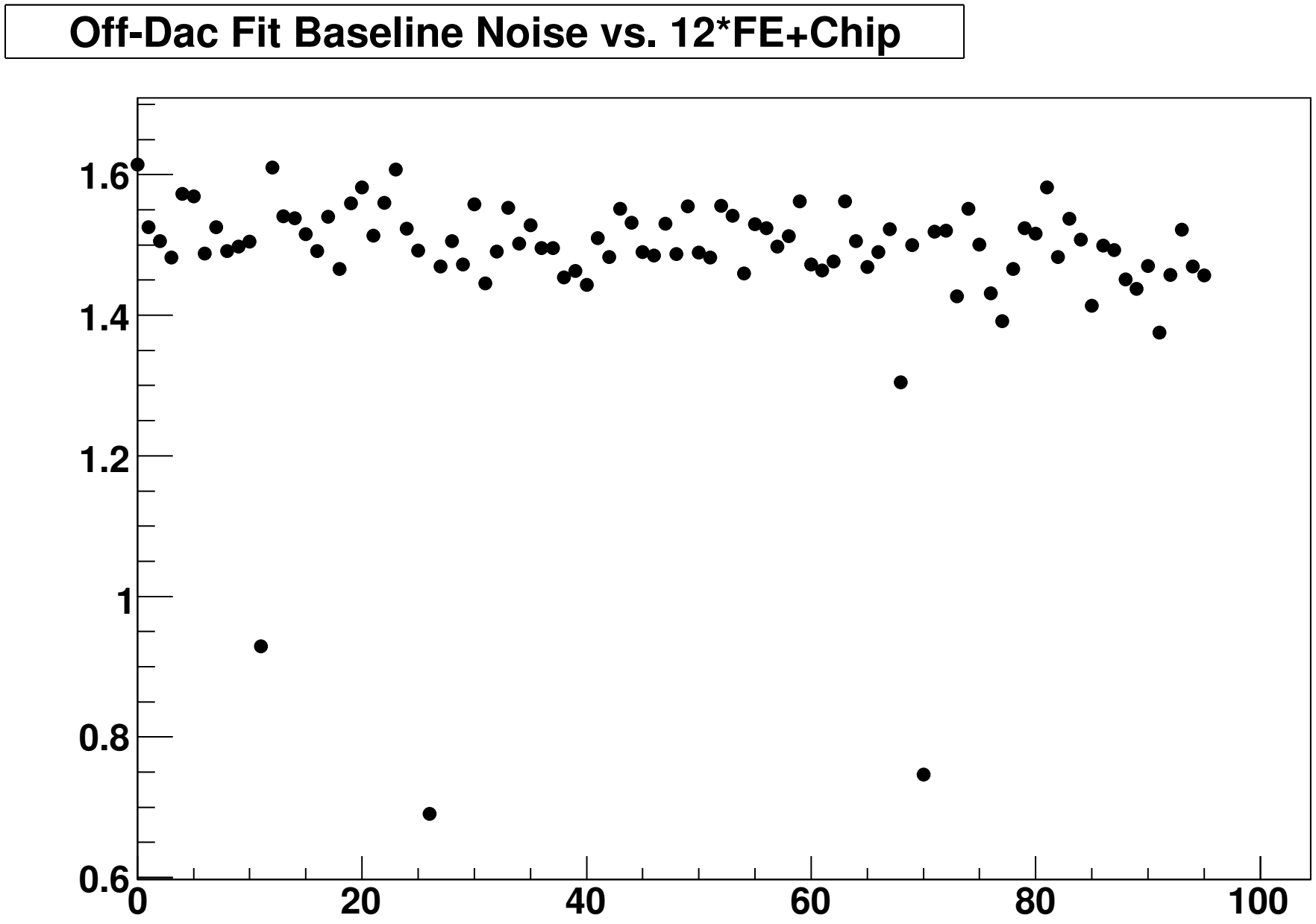

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
8
6
4
2
-0
-2
-4
0
20
40
60
80
100

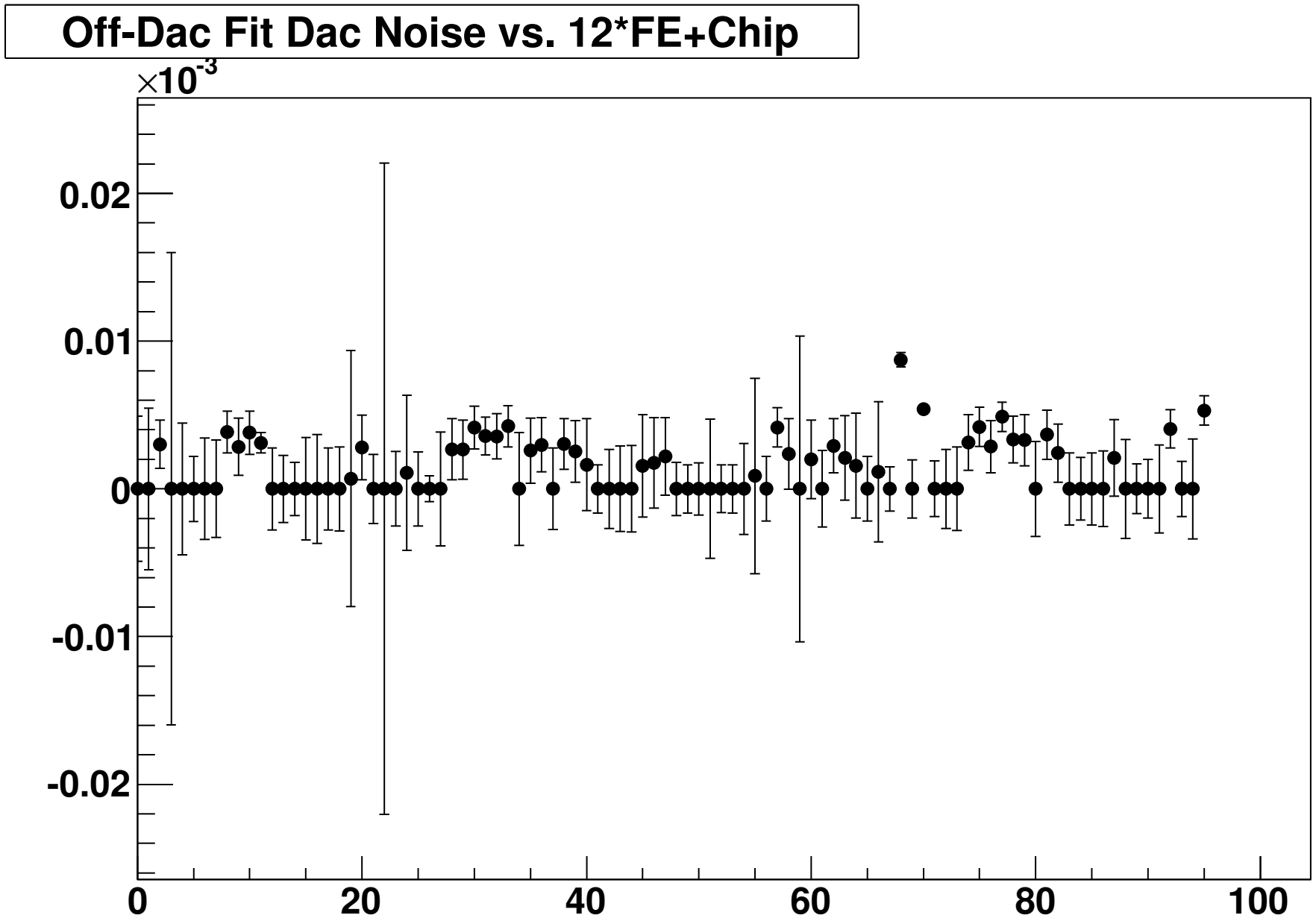

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
120
100
80
60
40
20
0
0
20
40
60
80
100

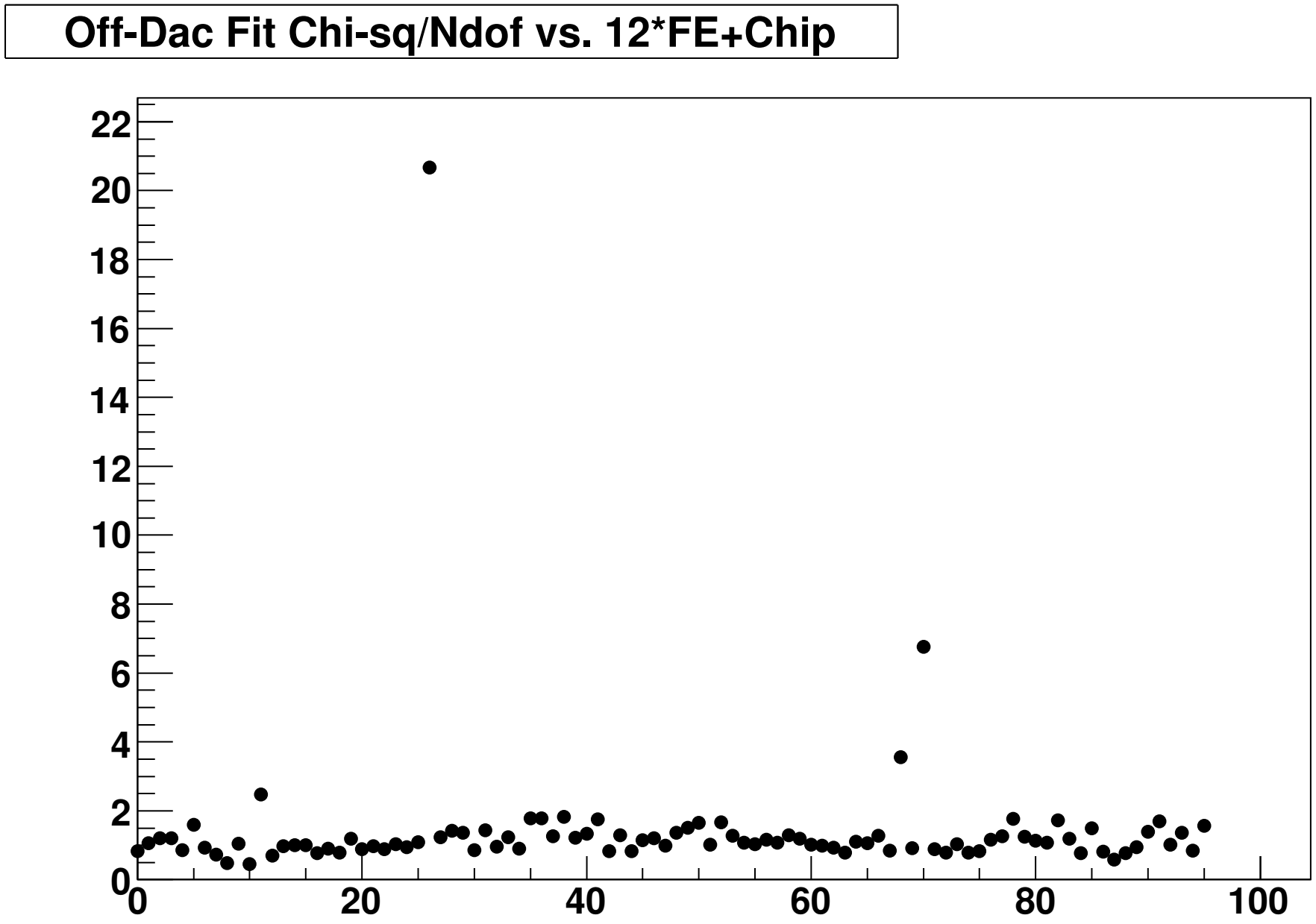

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.5
1.45
1.4
1.35
1.3
0
20
40
60
80
100

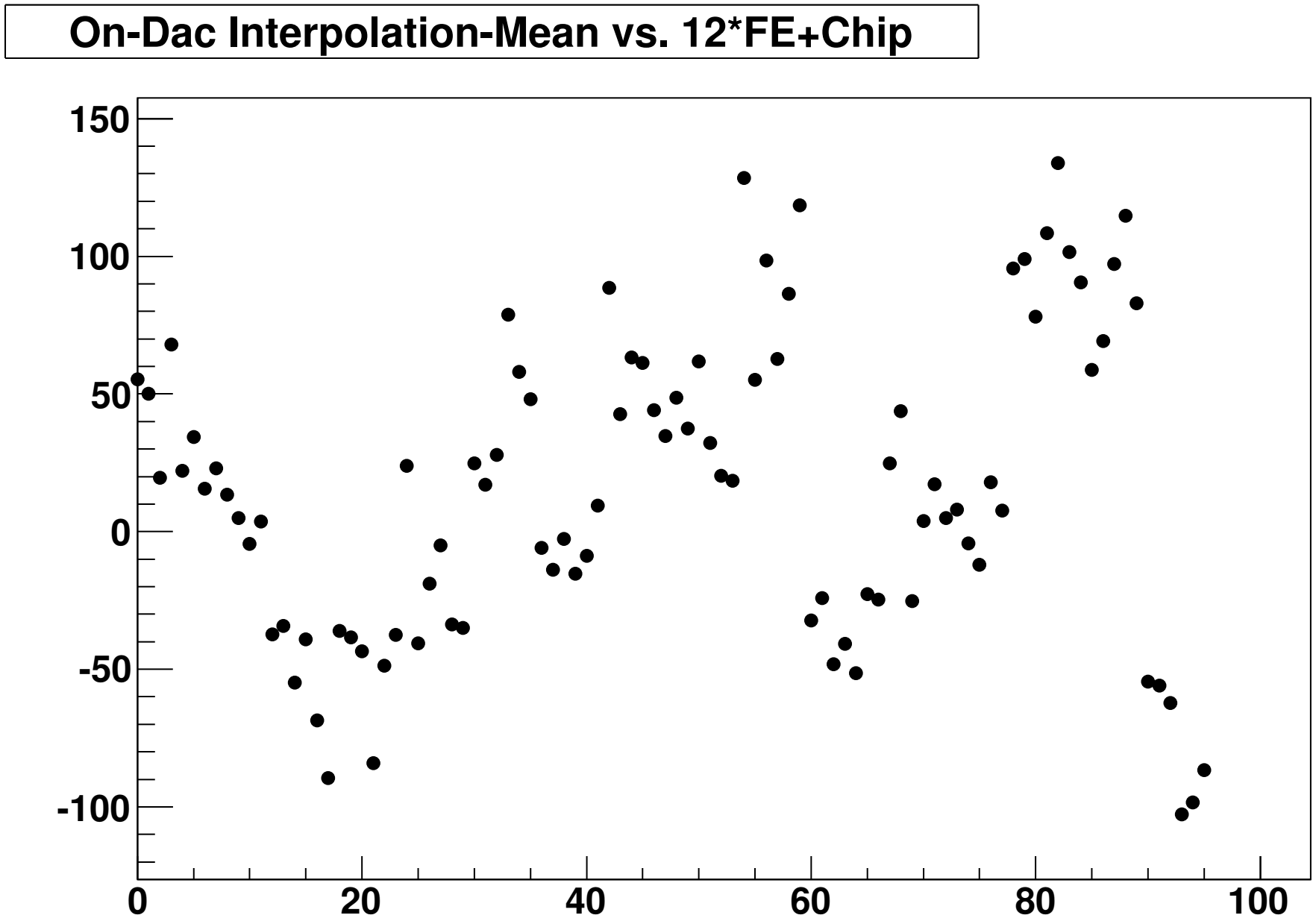

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
42
40
38
36
34
32
30
28
0
20
40
60
80
100

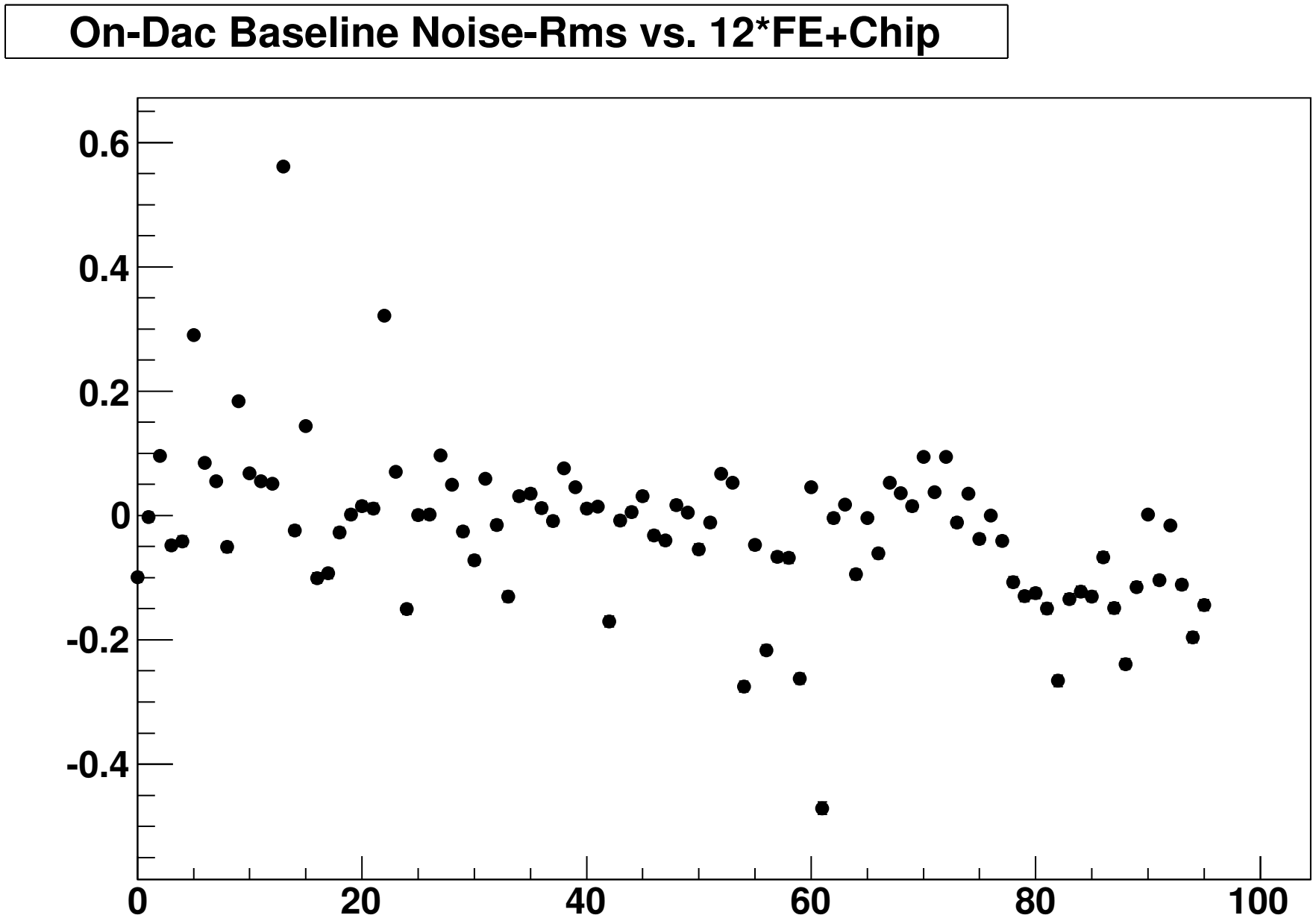

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
400
350
300
250
200
150
100
50
0
0
20
40
60
80
100

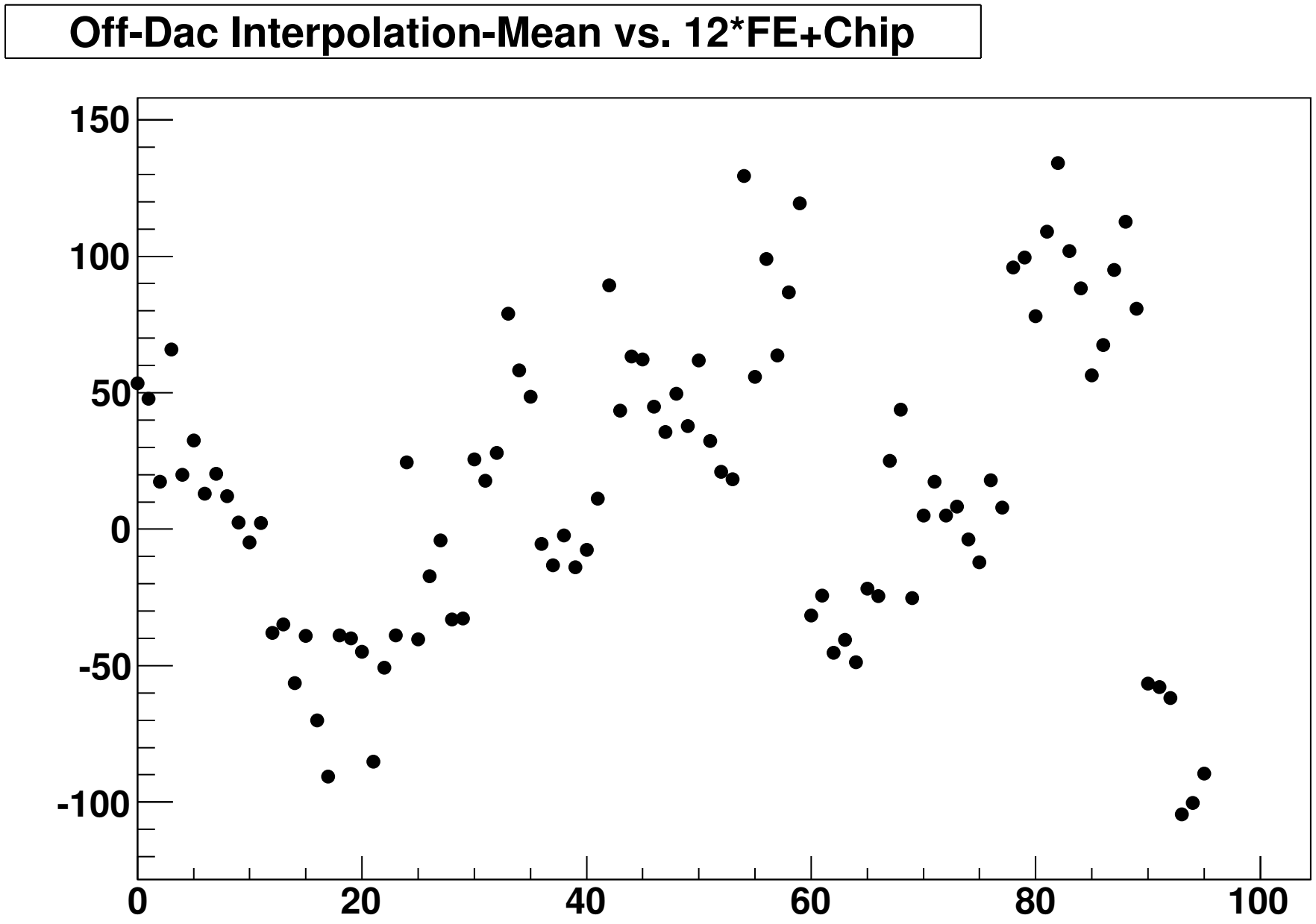

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0.6
0
20
40
60
80
100

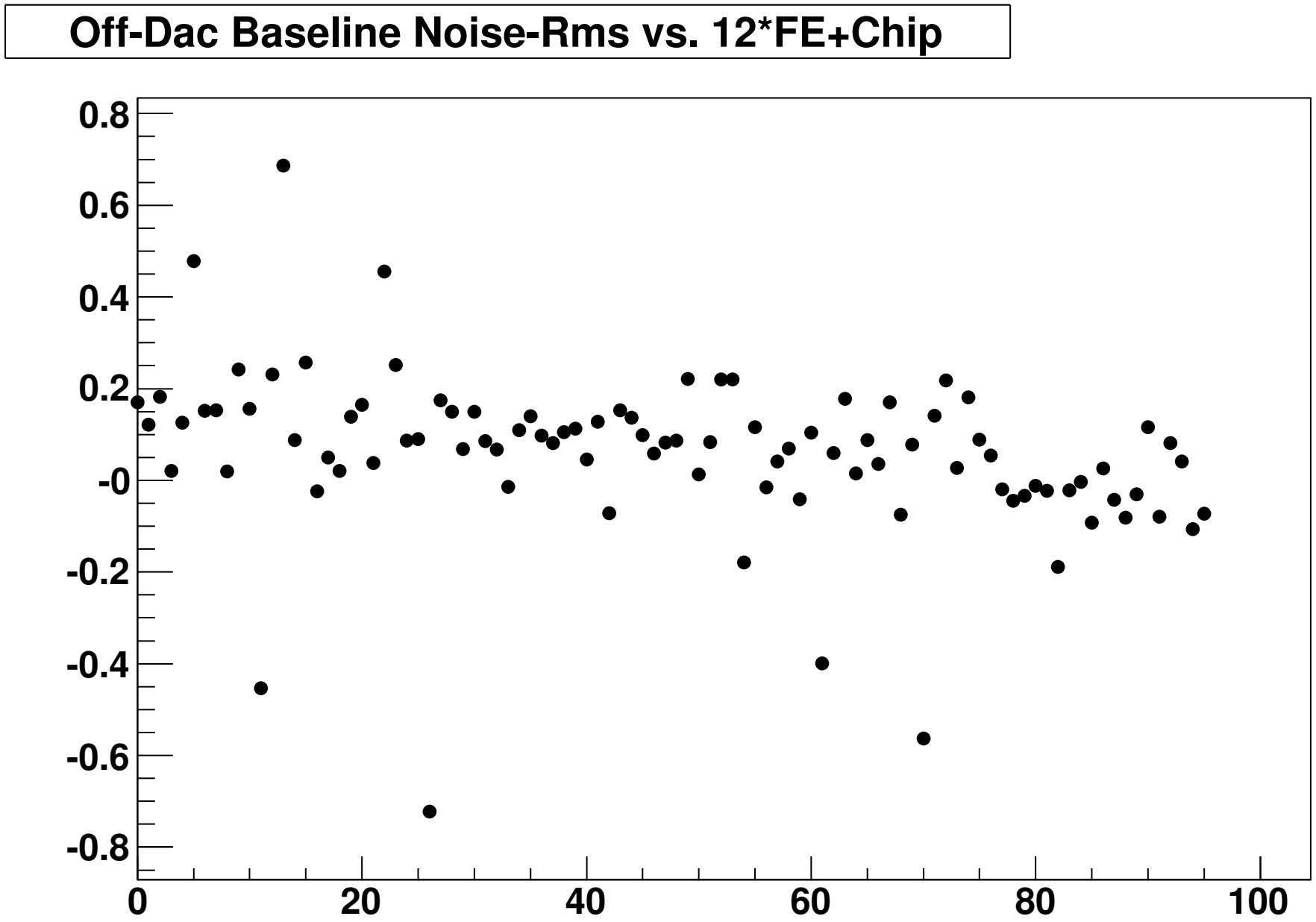

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.02
0.01
0
-0.01
-0.02
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
22
20
18
16
14
12
10
8
6
4
2
0
0
20
40
60
80
100


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


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.6
0.4
0.2
0
-0.2
-0.4
0
20
40
60
80
100


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


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.8
0.6
0.4
0.2
-0
-0.2
-0.4
-0.6
-0.8
0
20
40
60
80
100