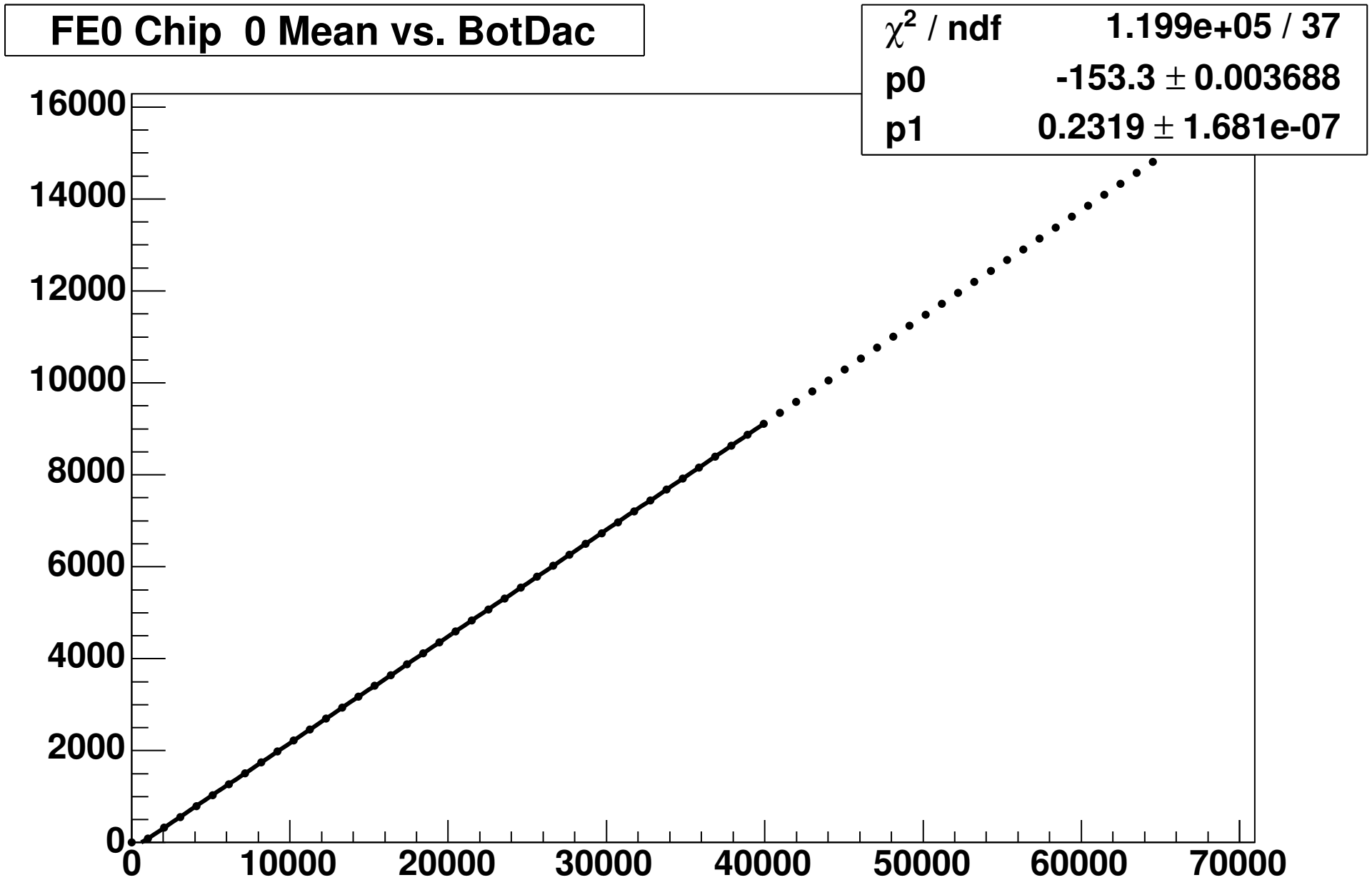
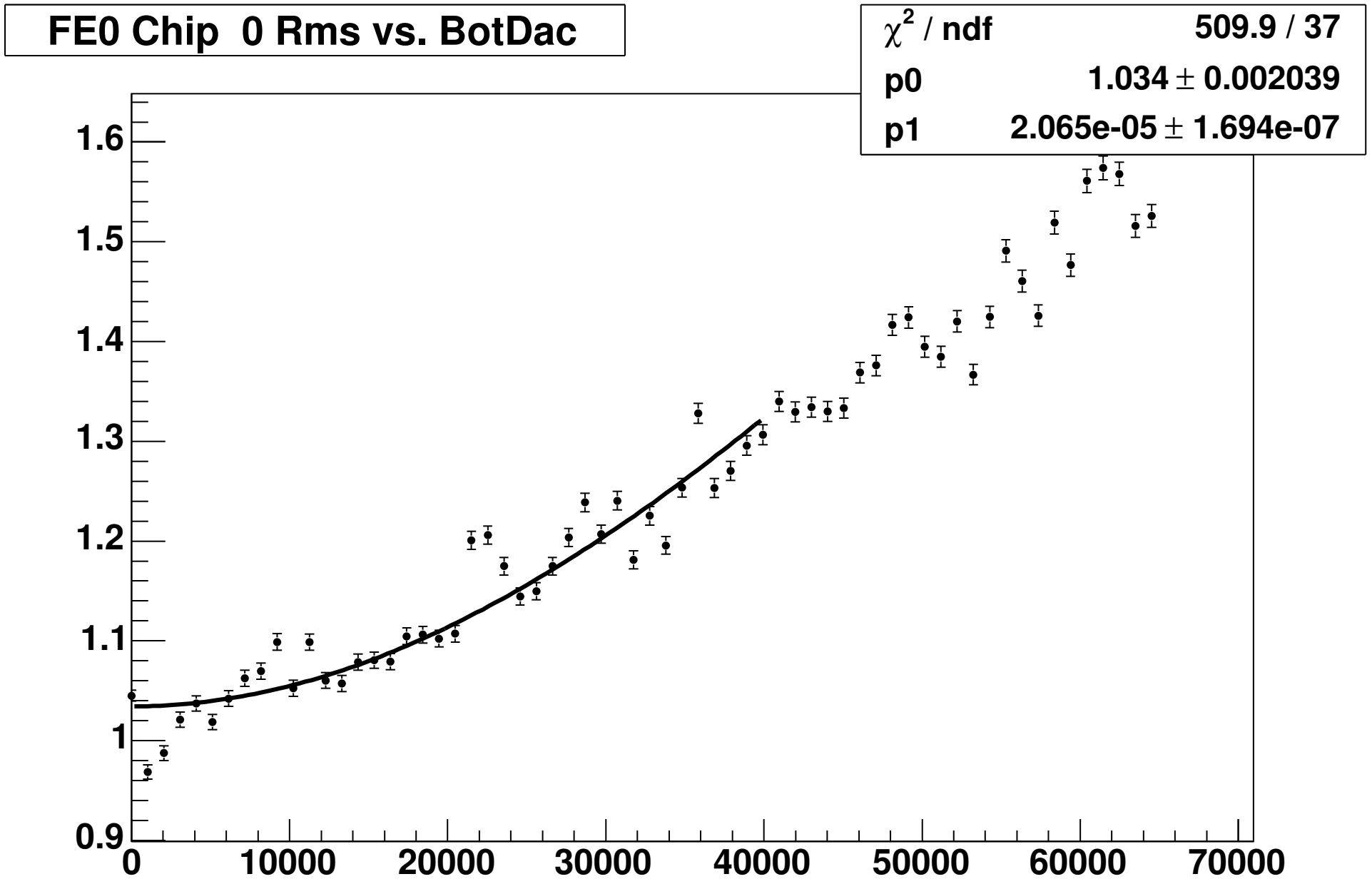
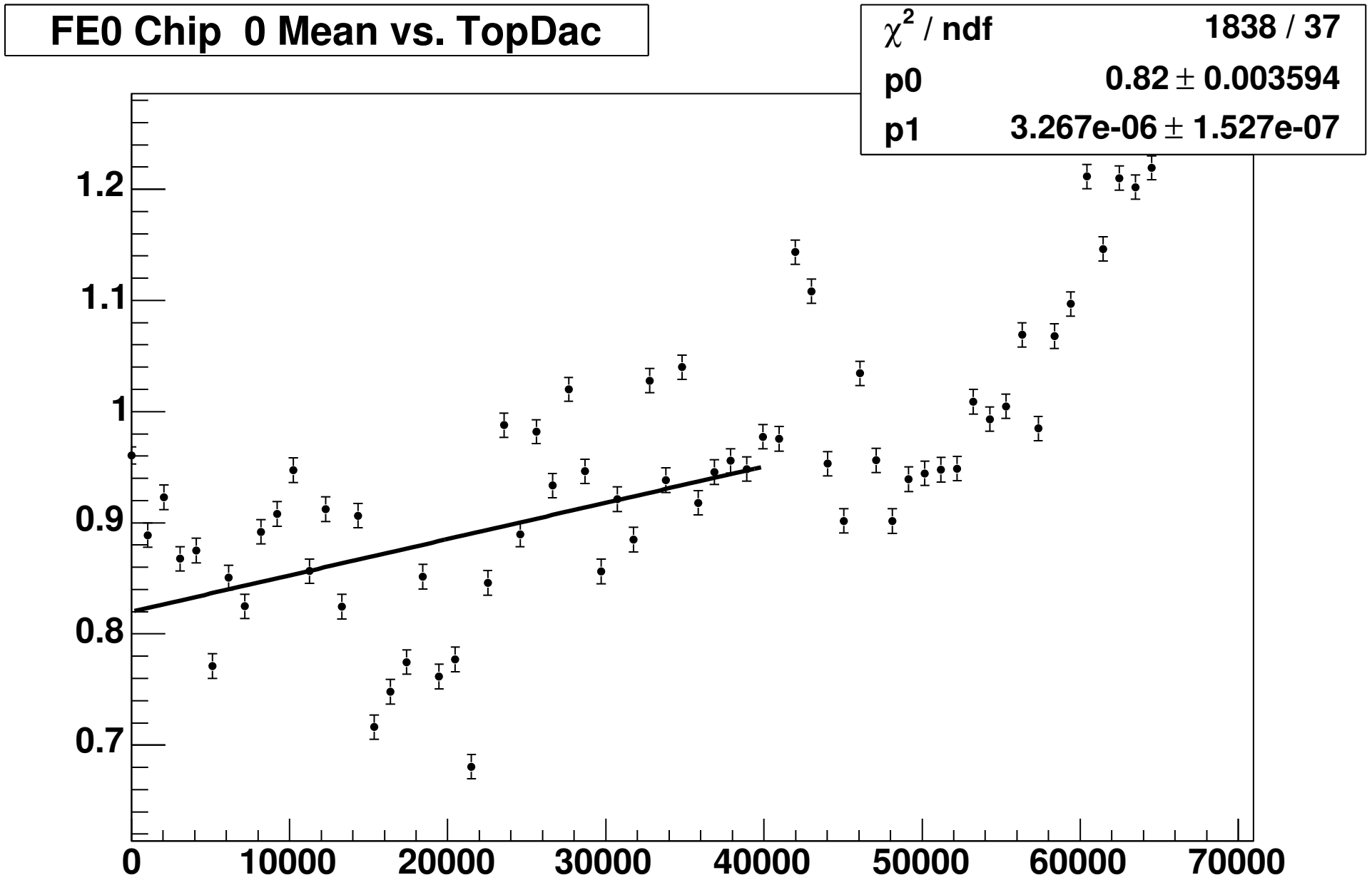
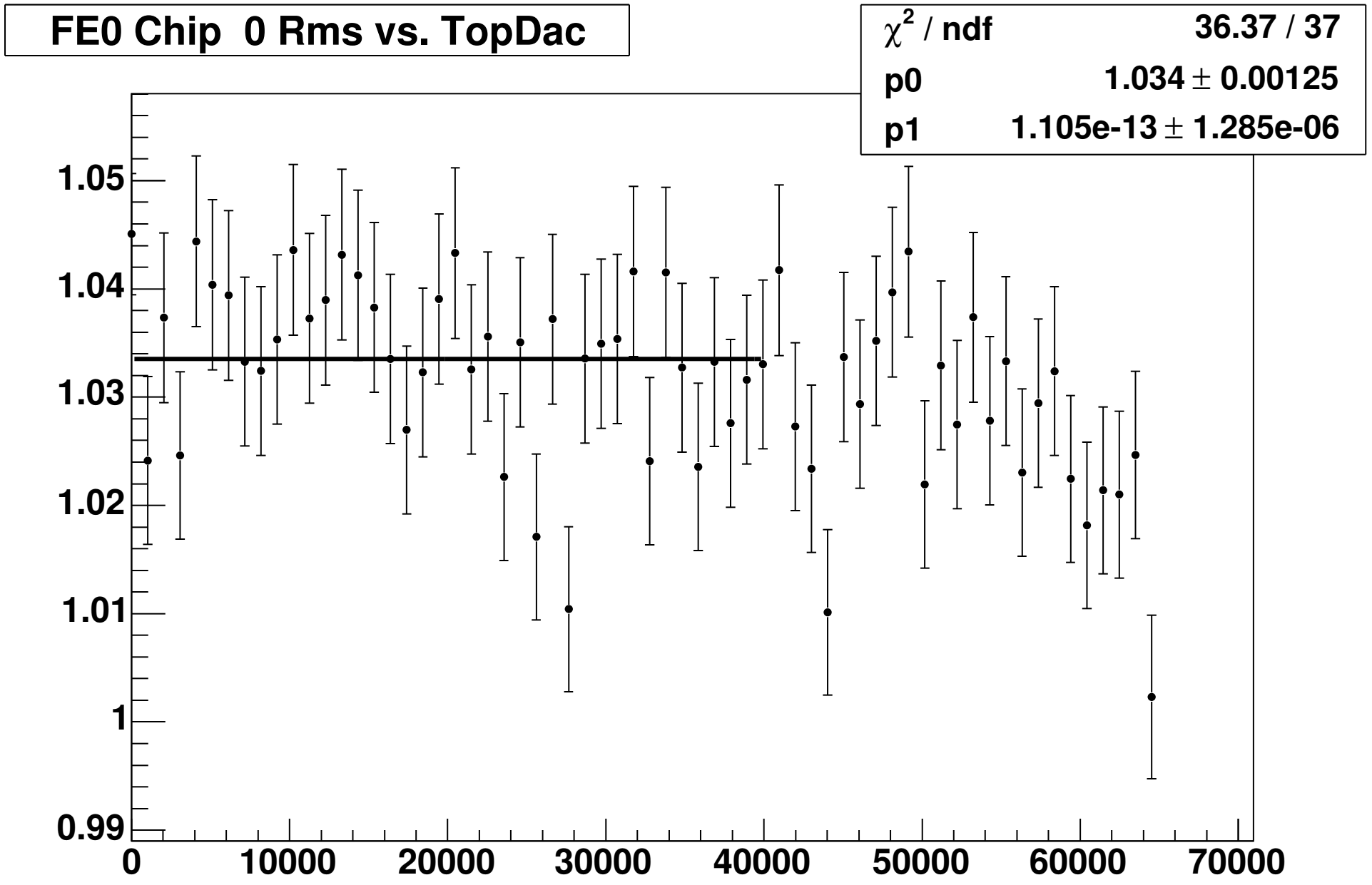

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.199e+05 / 37
p0 -153.3 ± 0.003688
p1 0.2319 ± 1.681e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 509.9 / 37
p0 1.034 ± 0.002039
p1 2.065e-05 ± 1.694e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 1838 / 37
p0 0.82 ± 0.003594
p1 3.267e-06 ± 1.527e-07
1.2
1.1
1
0.9
0.8
0.7
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 36.37 / 37
p0 1.034 ± 0.00125
p1 1.105e-13 ± 1.285e-06
1.05
1.04
1.03
1.02
1.01
1
0.99
0
10000
20000
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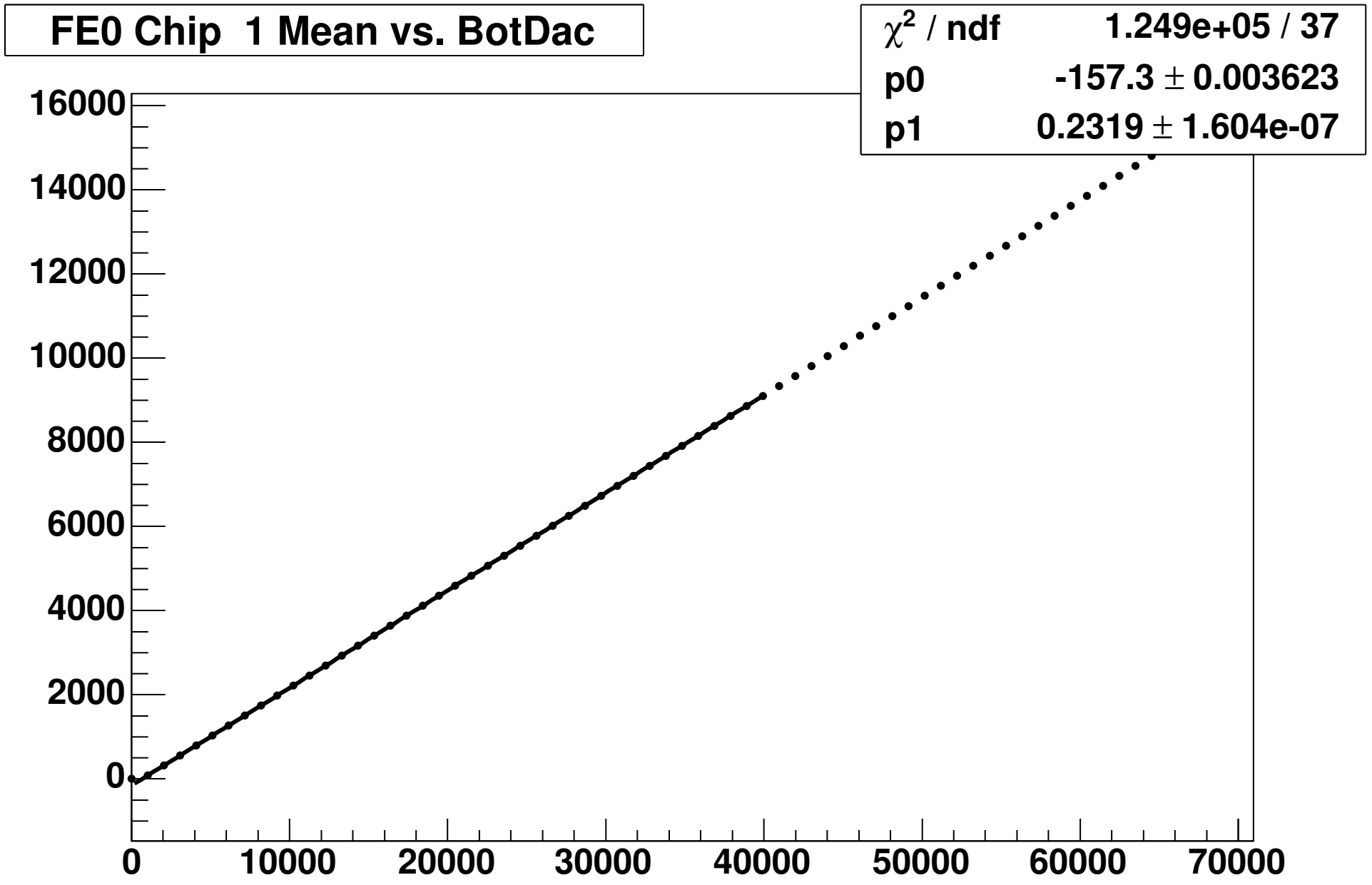
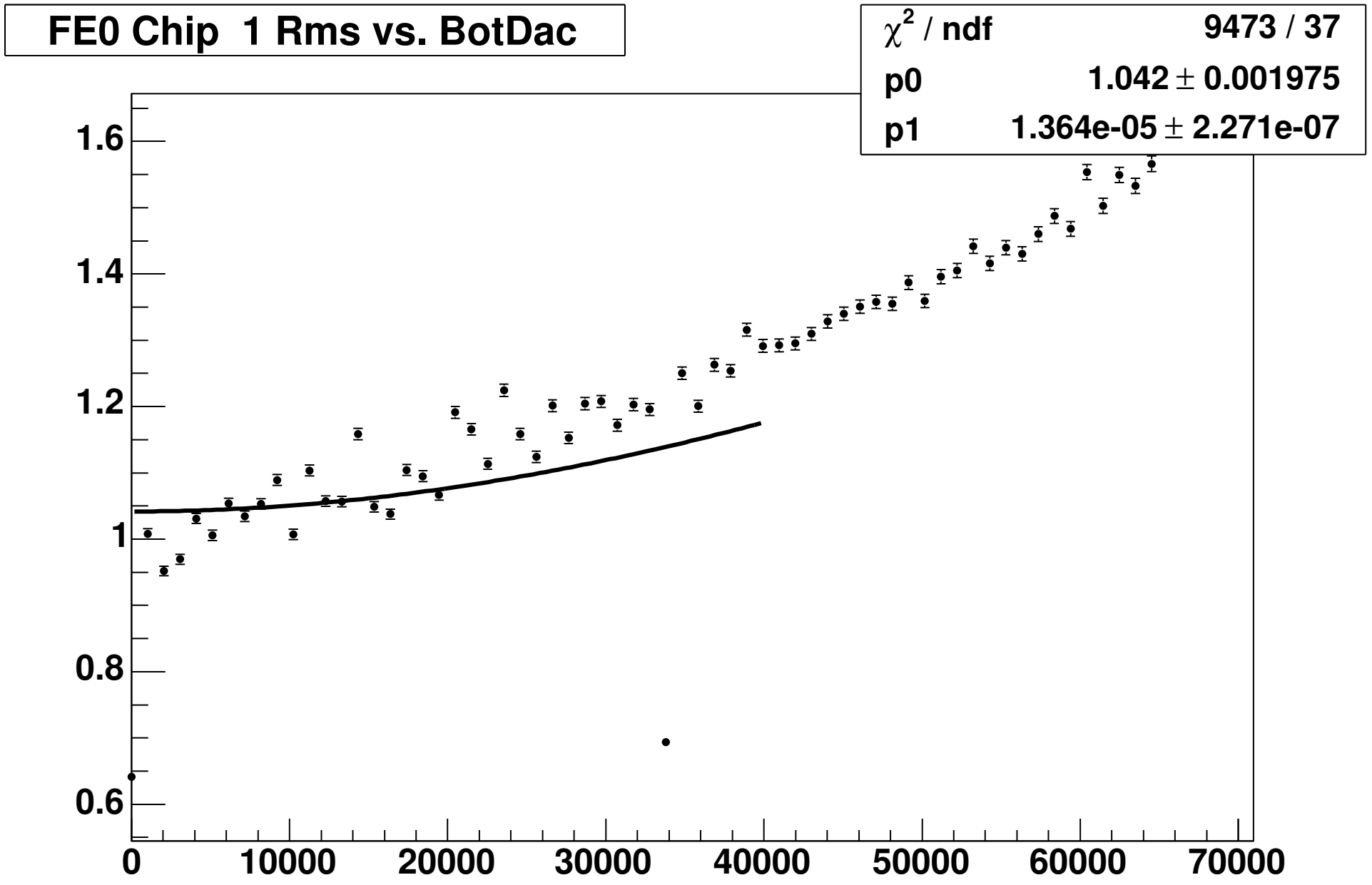
60000
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.249e+05 / 37
p0 -157.3 ± 0.003623
p1 0.2319 ± 1.604e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 9473 / 37
p0 1.042 ± 0.001975
p1 1.364e-05 ± 2.271e-07
1.6
1.4
1.2
1
0.8
0.6
0
10000
20000
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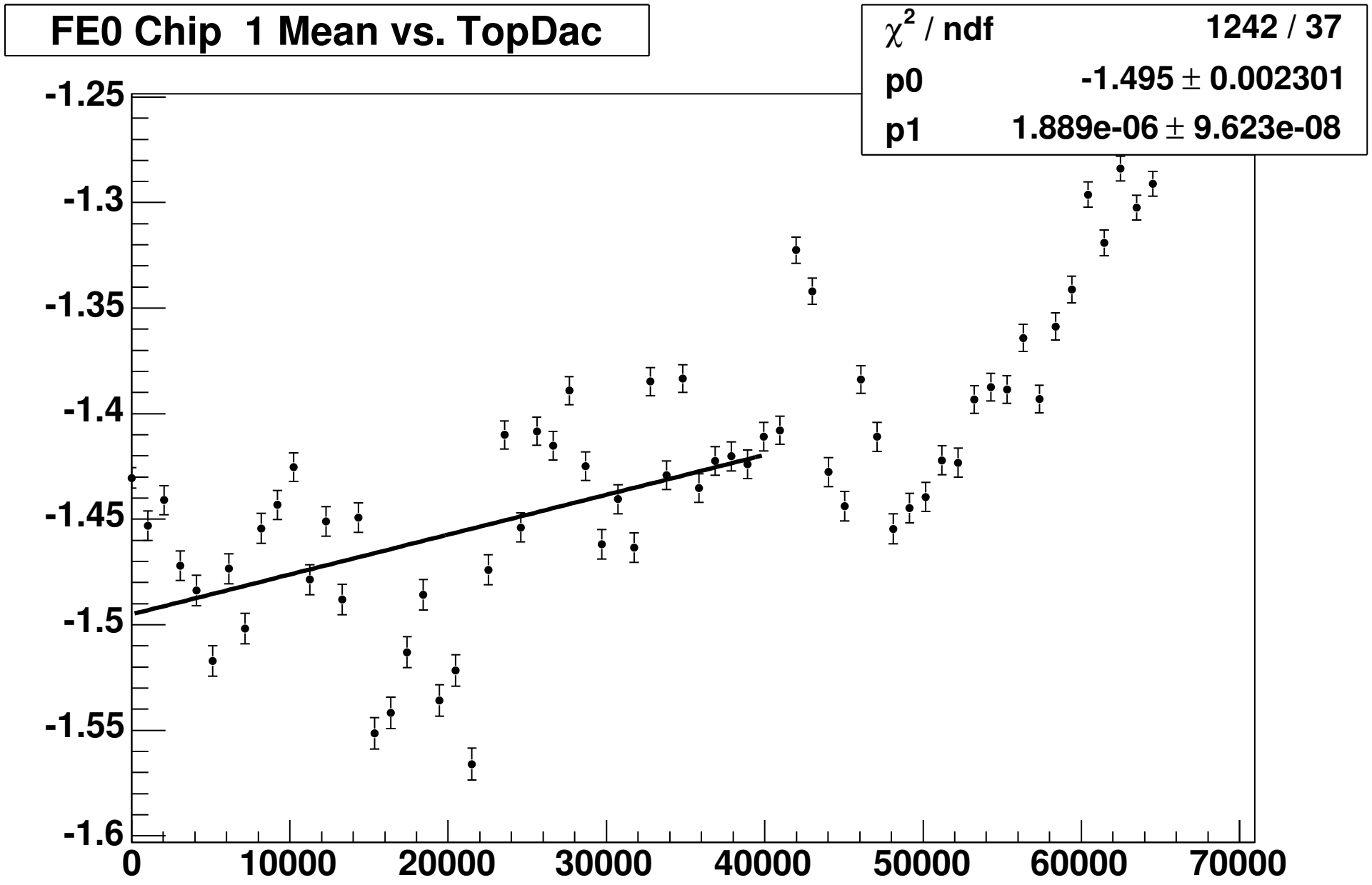
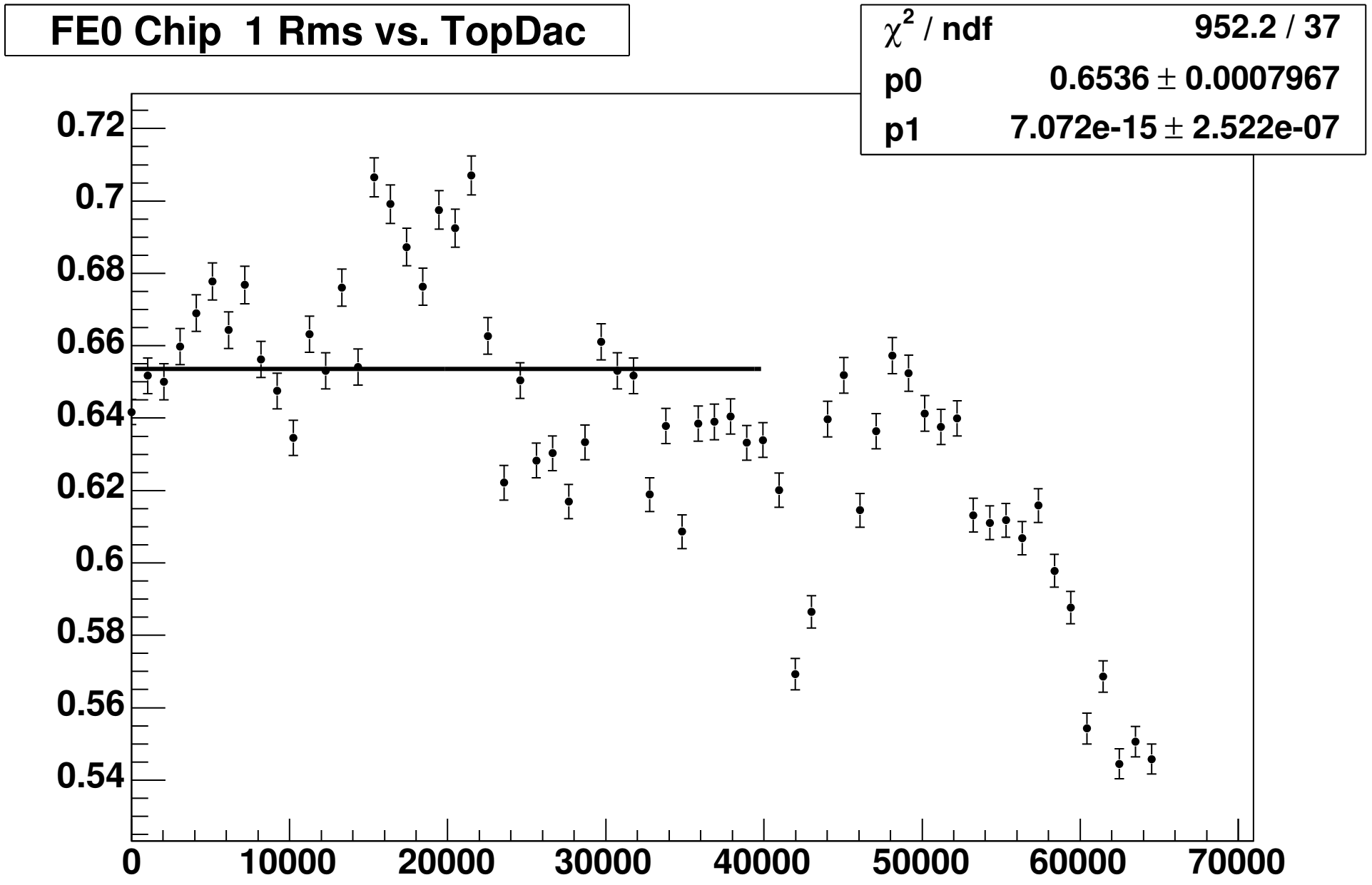
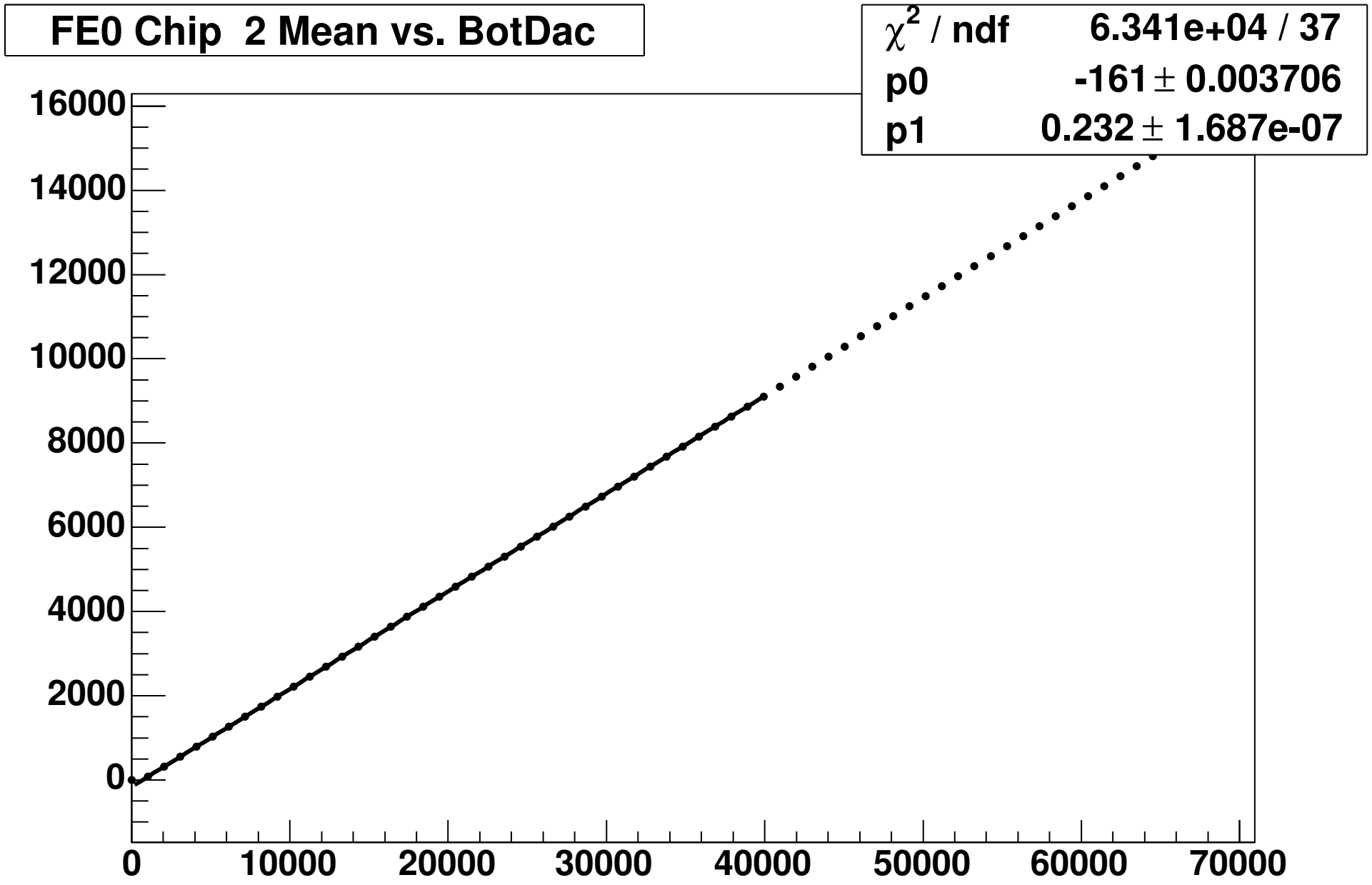
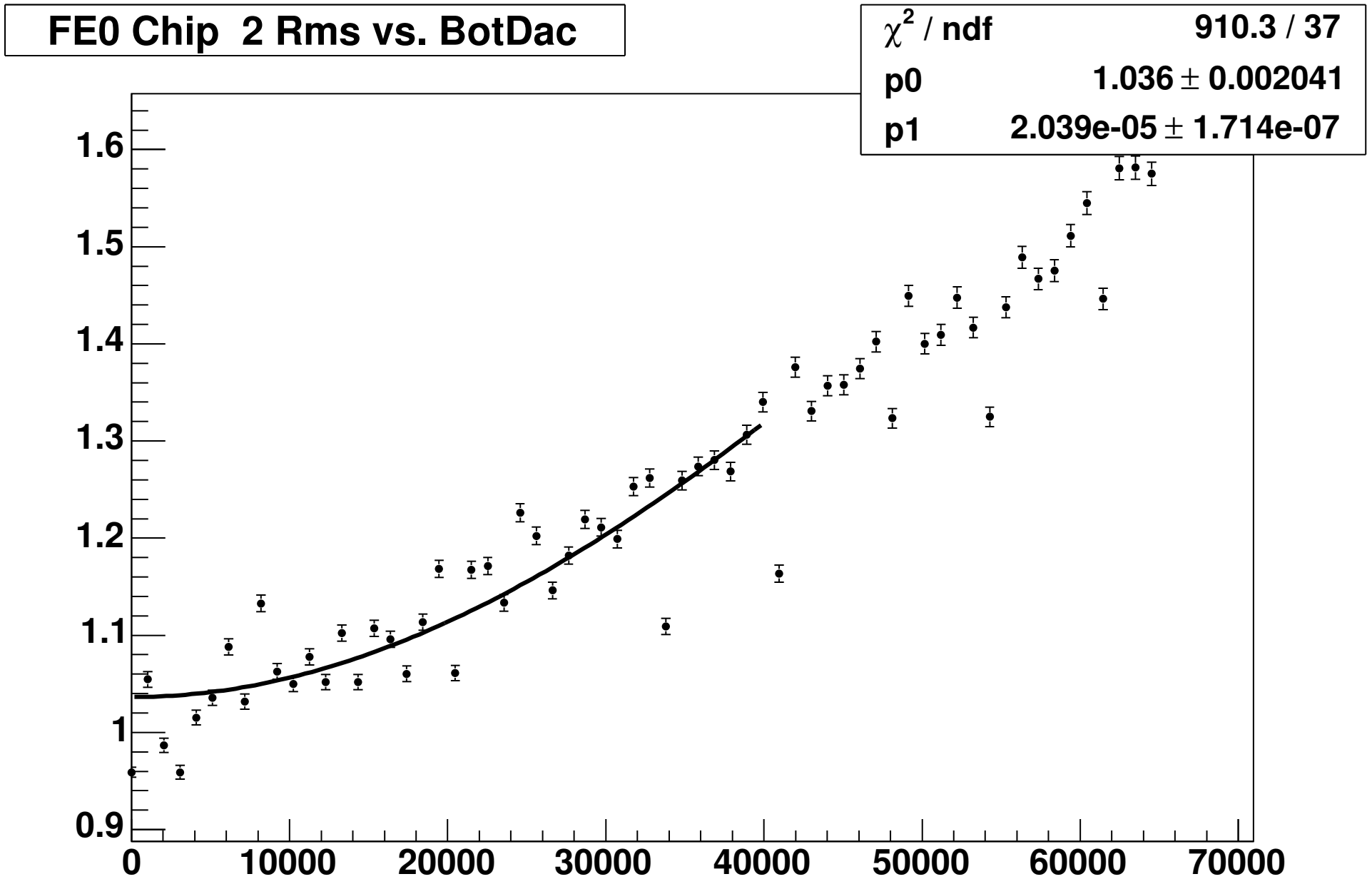
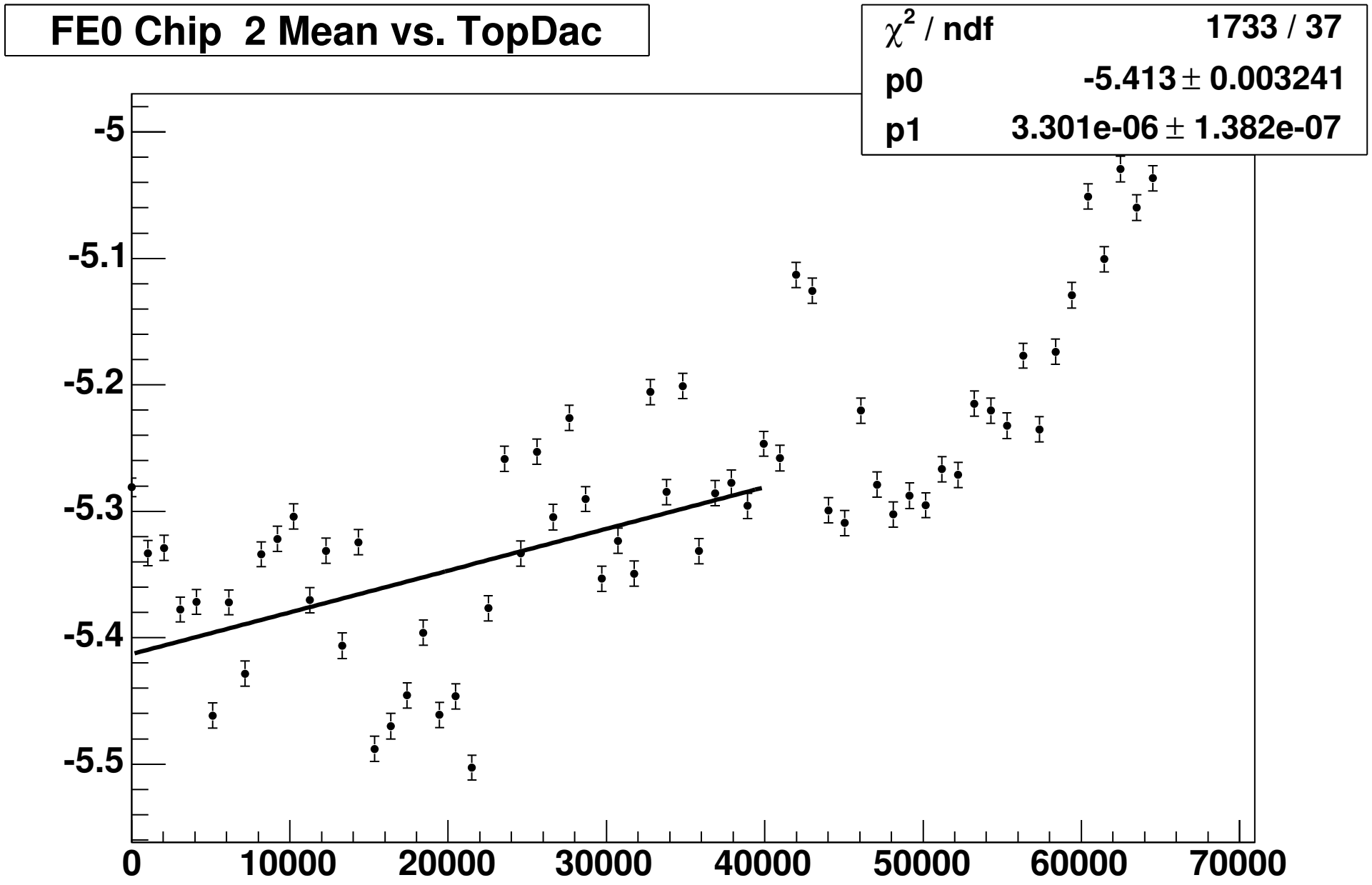
40000
50000
60000
70000

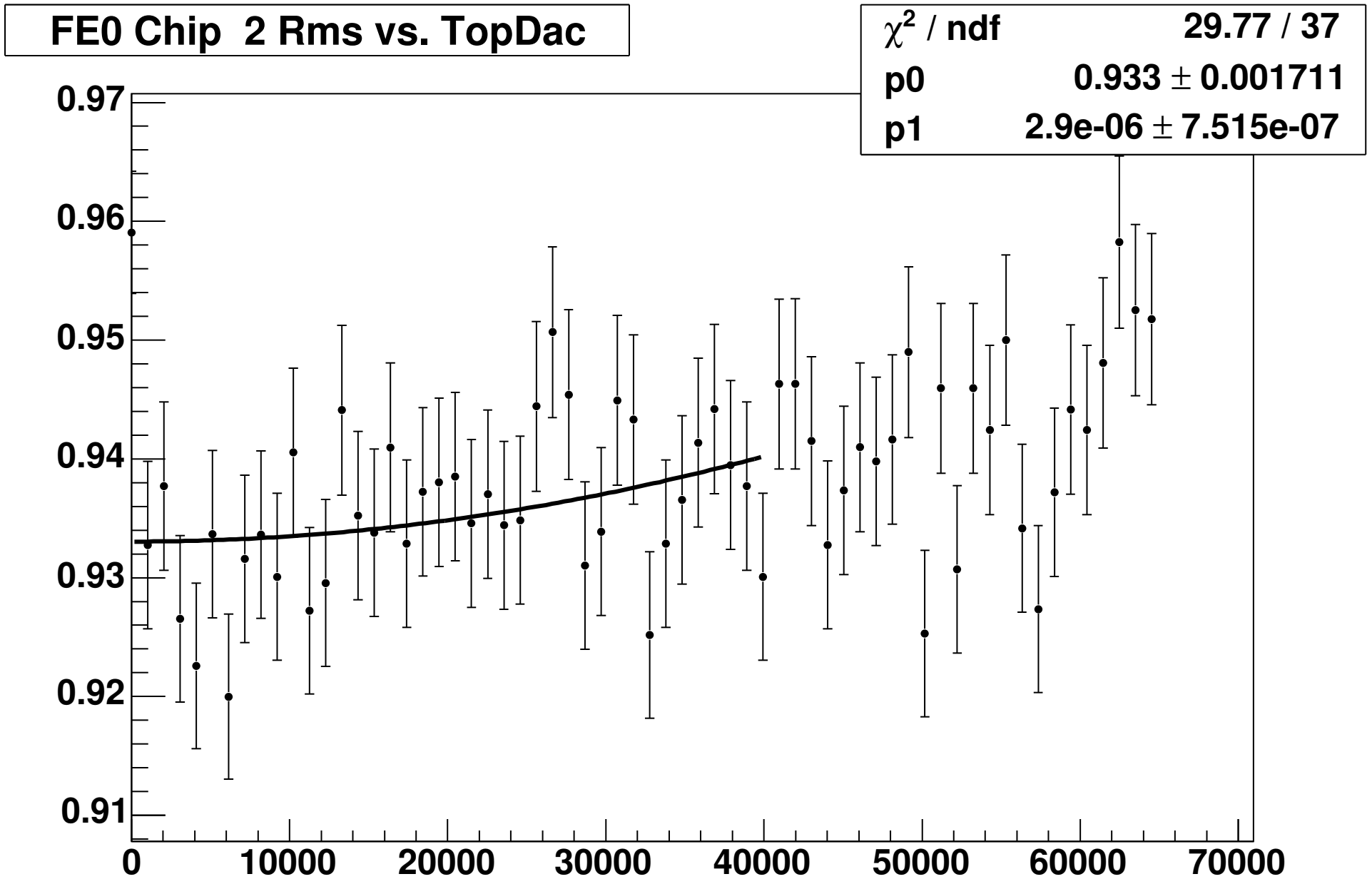

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 1242 / 37
p0 -1.495 ± 0.002301
p1 1.889e-06 ± 9.623e-08
-1.25
-1.3
-1.35
-1.4
-1.45
-1.5
-1.55
-1.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 952.2 / 37
p0 0.6536 ± 0.0007967
p1 7.072e-15 ± 2.522e-07
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 6.341e+04 / 37
p0 -161 ± 0.003706
p1 0.232 ± 1.687e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 910.3 / 37
p0 1.036 ± 0.002041
p1 2.039e-05 ± 1.714e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 1733 / 37
p0 -5.413 ± 0.003241
p1 3.301e-06 ± 1.382e-07
-5
-5.1
-5.2
-5.3
-5.4
-5.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 29.77 / 37
p0 0.933 ± 0.001711
p1 2.9e-06 ± 7.515e-07
0.97
0.96
0.95
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0.93
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0.91
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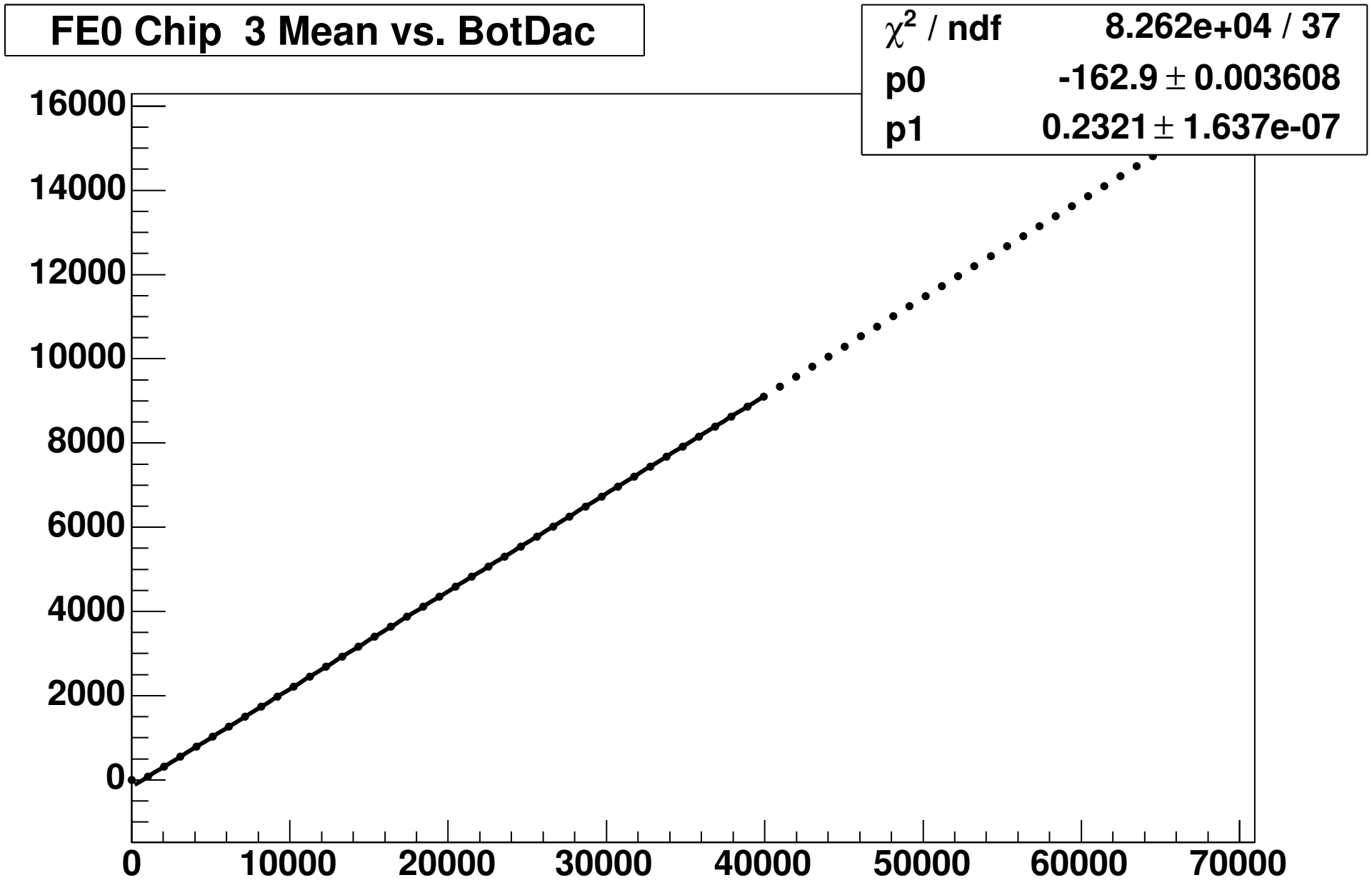
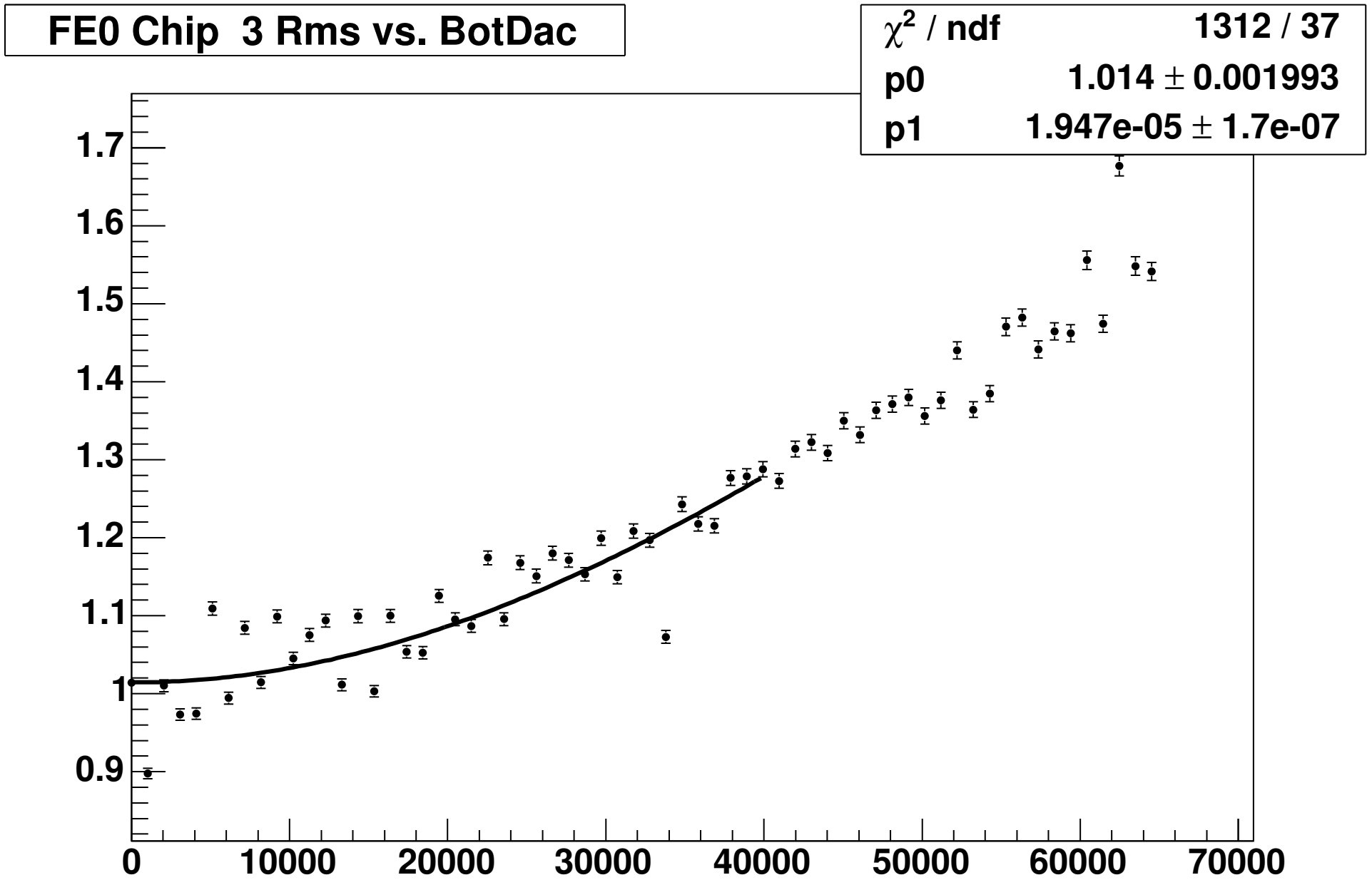
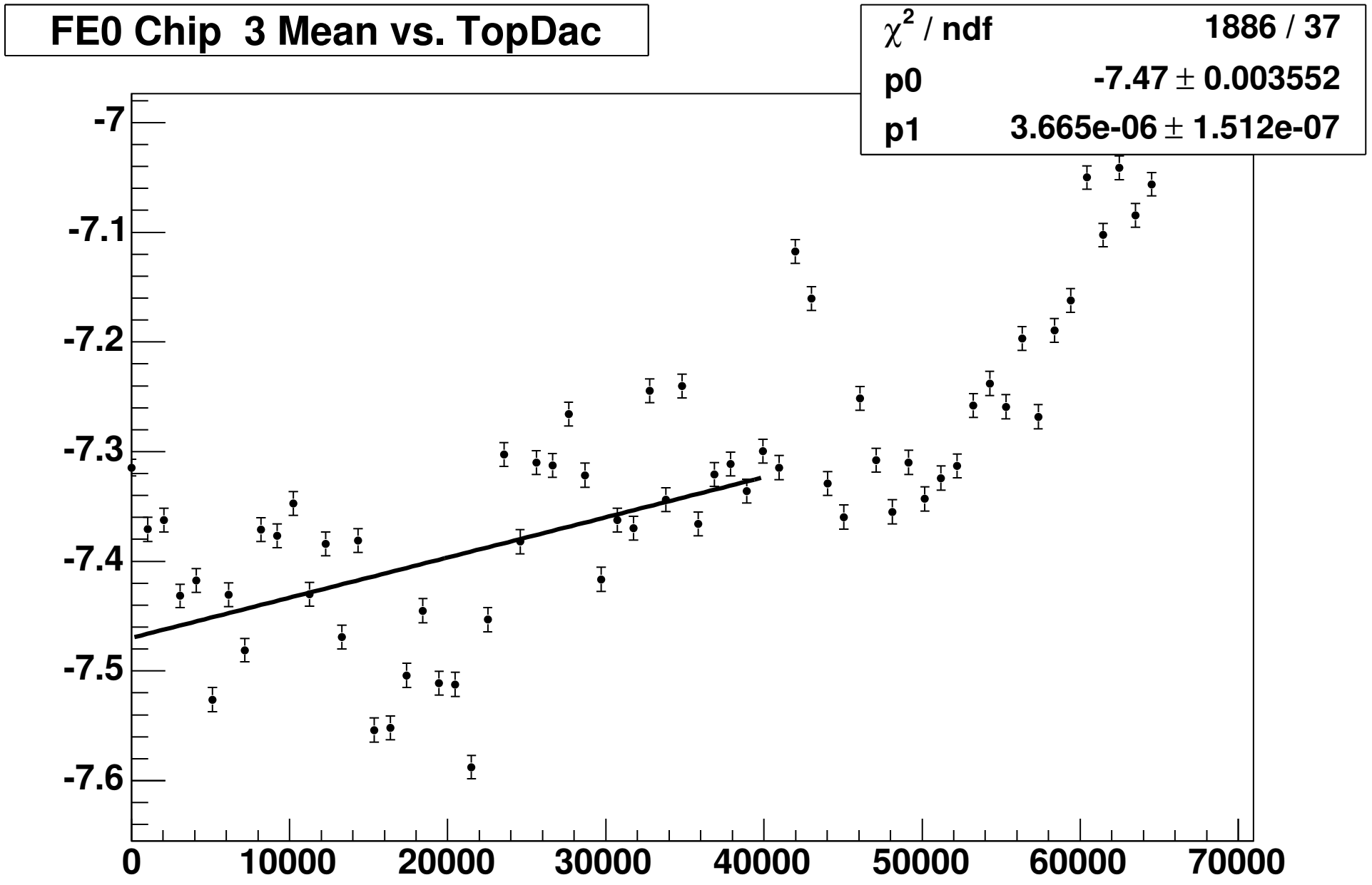
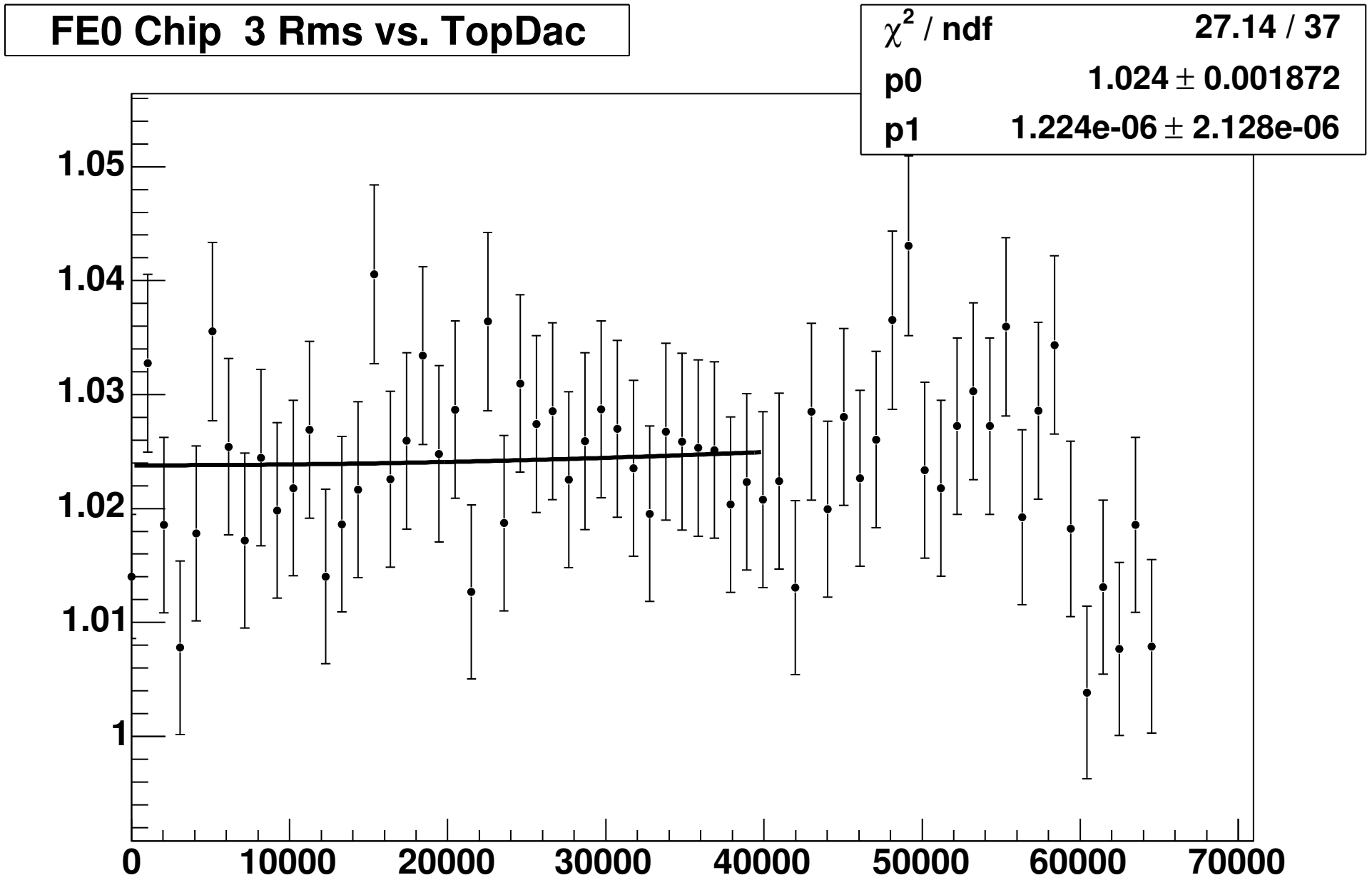
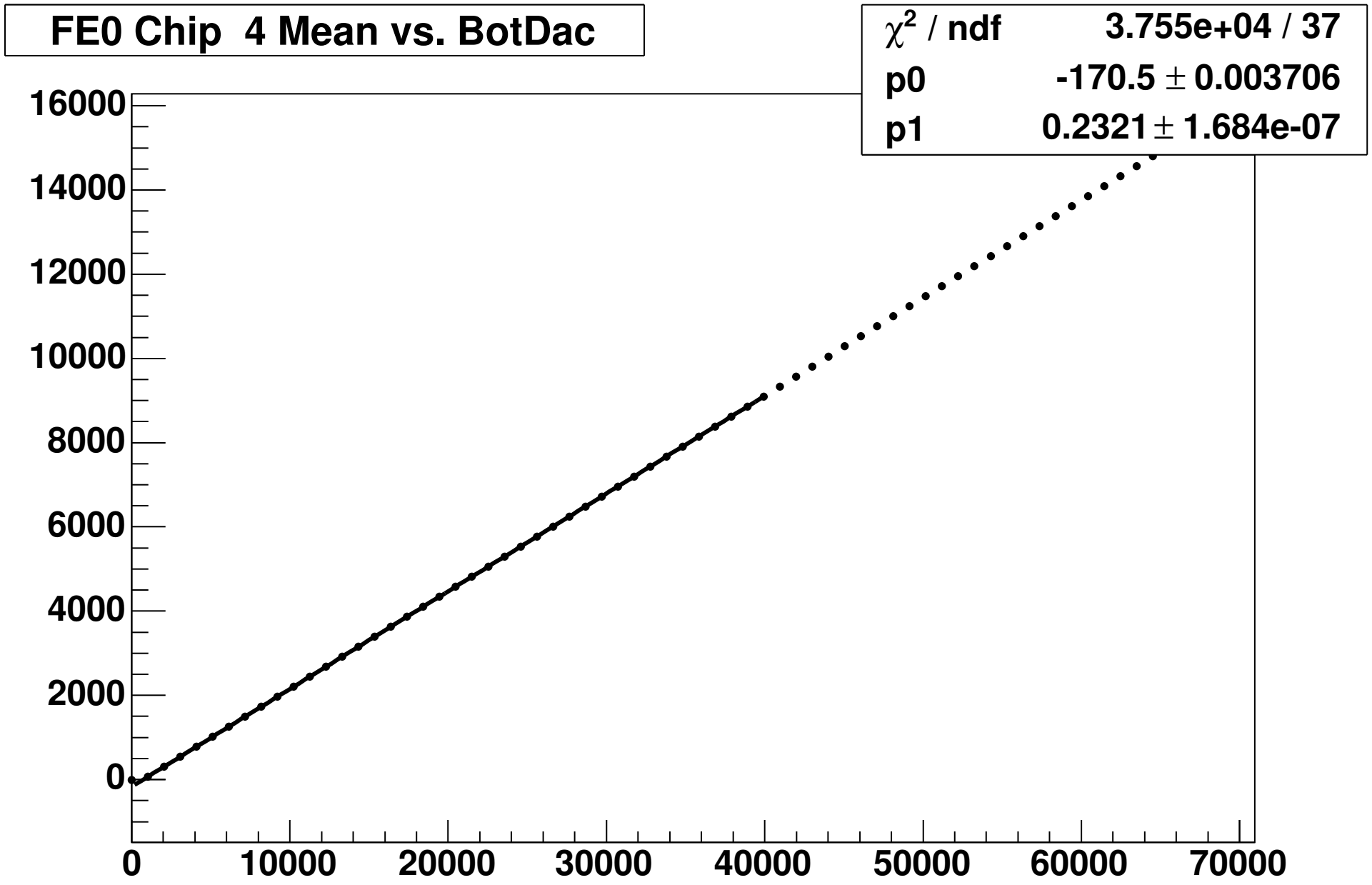
40000
50000
60000
70000

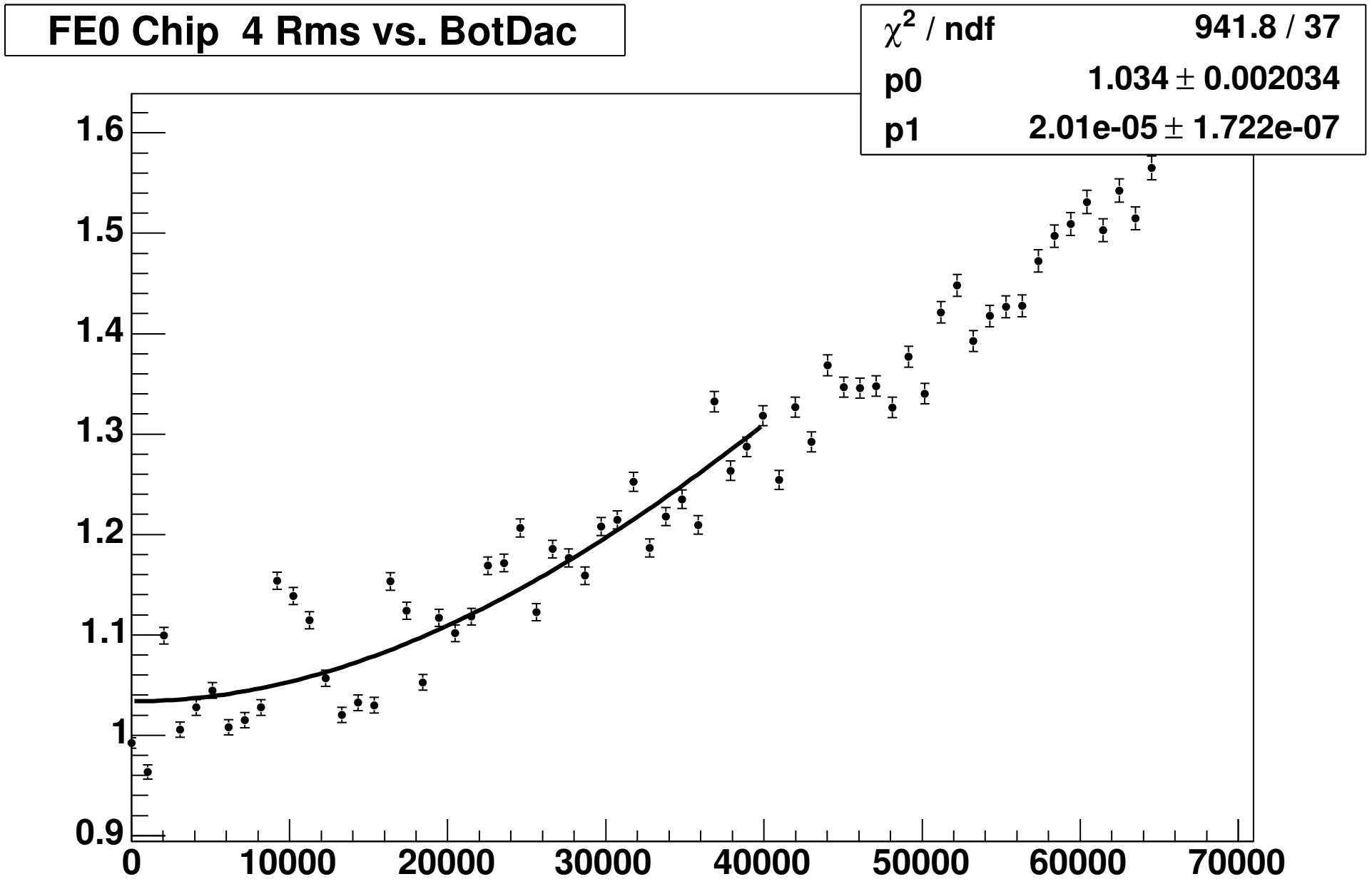

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 8.262e+04 / 37
p0 -162.9 ± 0.003608
p1 0.2321 ± 1.637e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

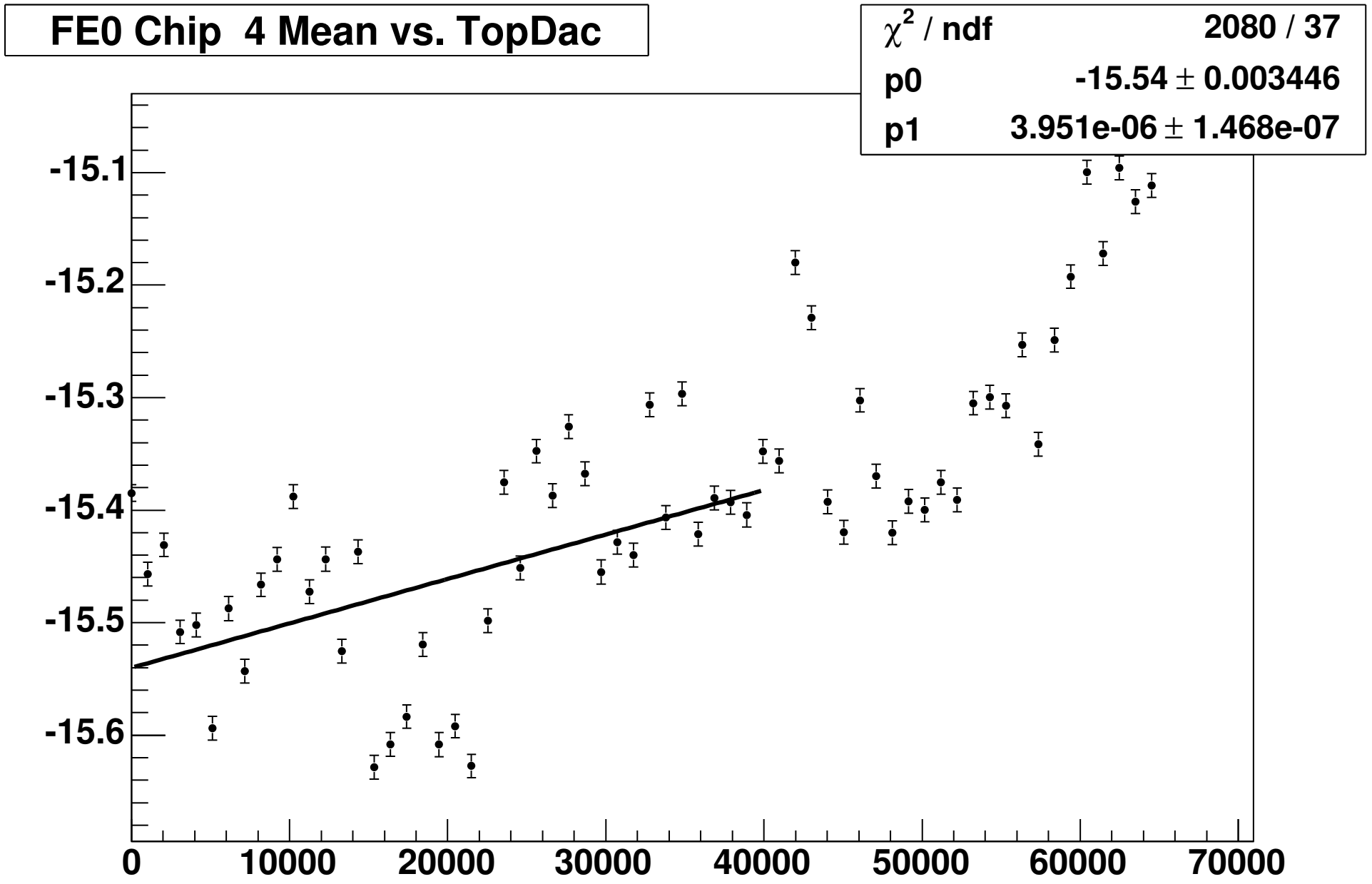

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 1312 / 37
p0 1.014 ± 0.001993
p1 1.947e-05 ± 1.7e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

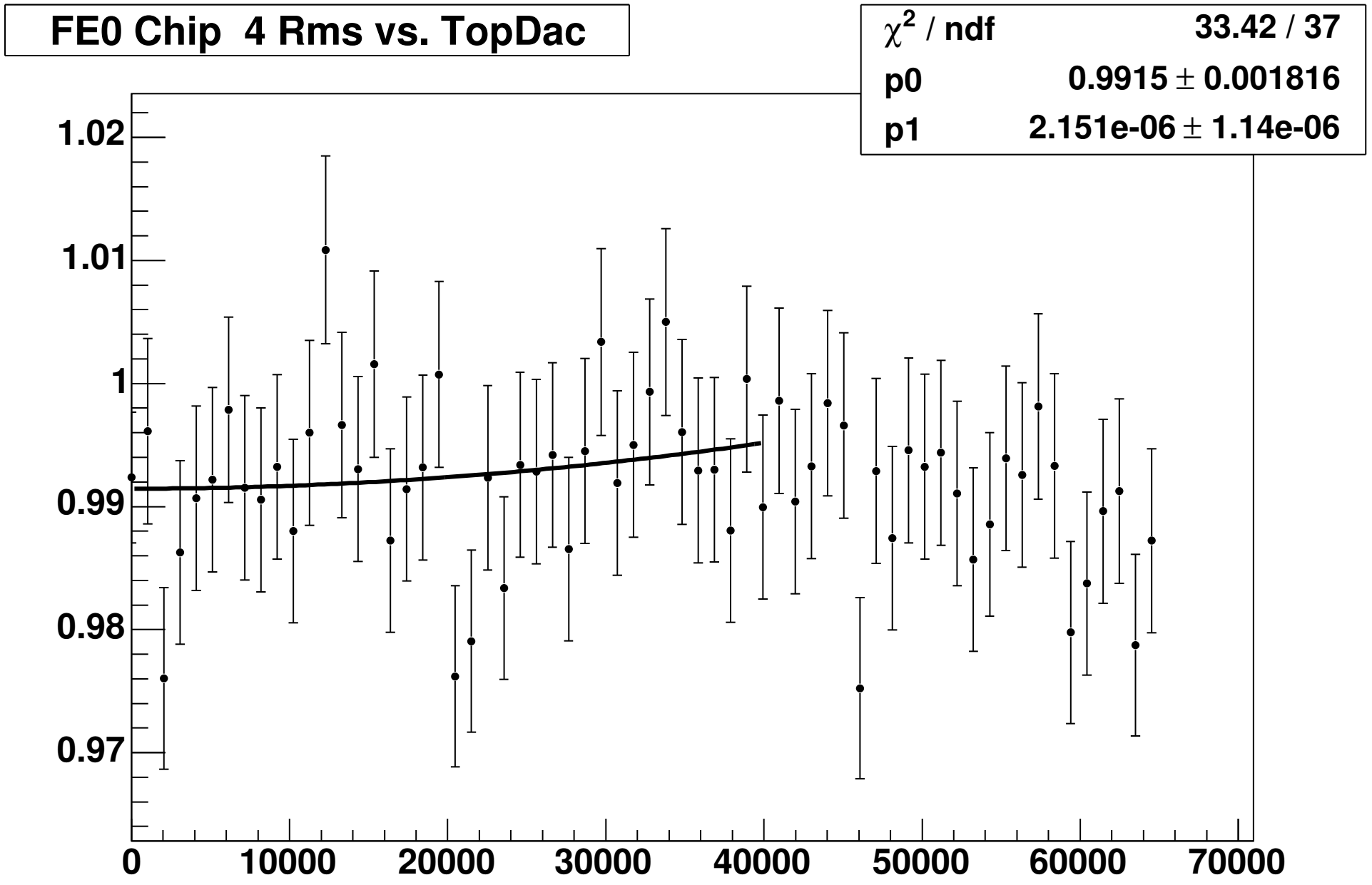

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 1886 / 37
p0 -7.47 ± 0.003552
p1 3.665e-06 ± 1.512e-07
-7
-7.1
-7.2
-7.3
-7.4
-7.5
-7.6
0
10000
20000
30000
40000
50000
60000
70000

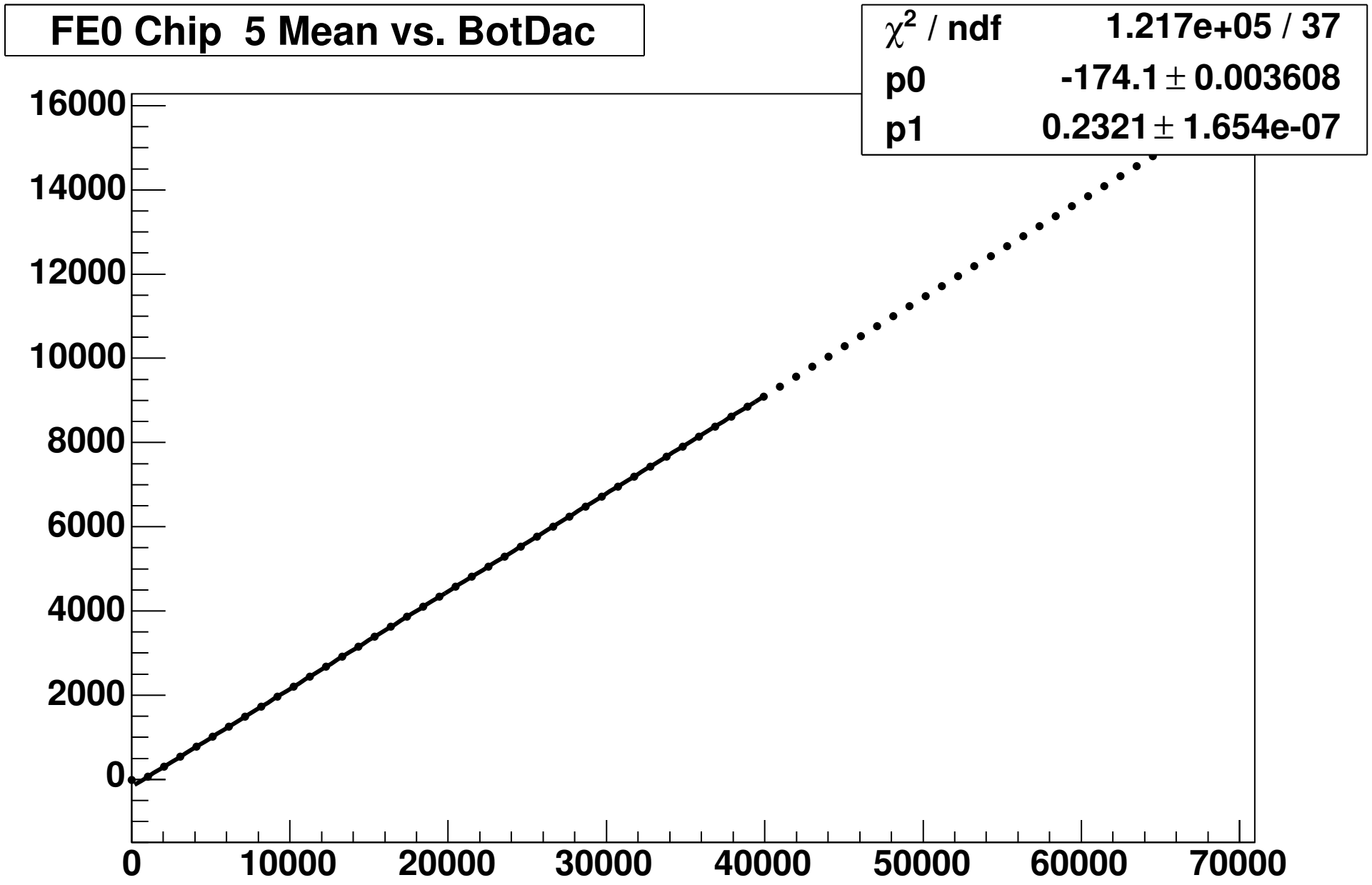

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 27.14 / 37
p0 1.024 ± 0.001872
p1 1.224e-06 ± 2.128e-06
1.05
1.04
1.03
1.02
1.01
1
0
10000
20000
30000
40000
50000
60000
70000

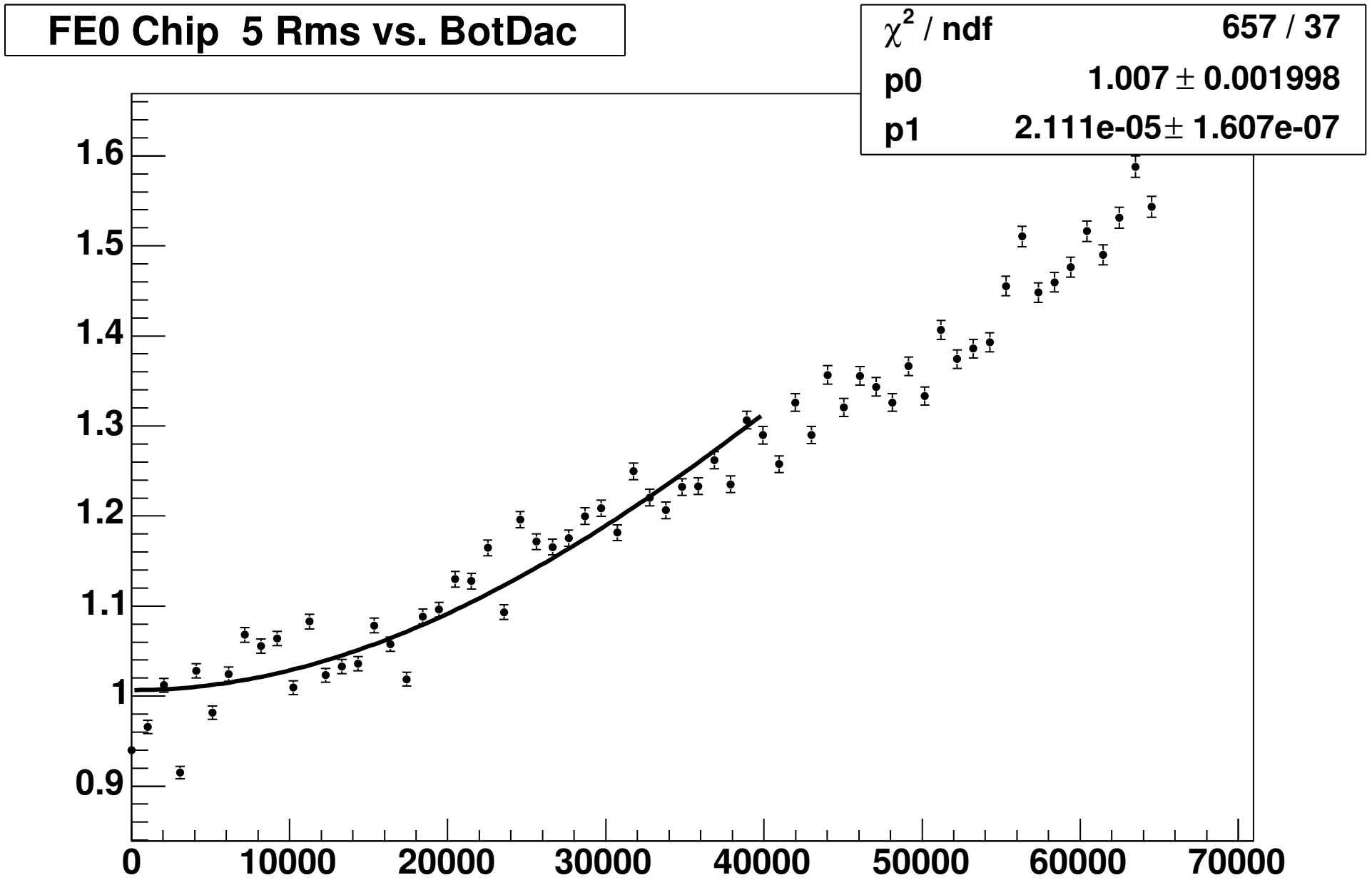

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 3.755e+04 / 37
p0 -170.5 ± 0.003706
p1 0.2321 ± 1.684e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

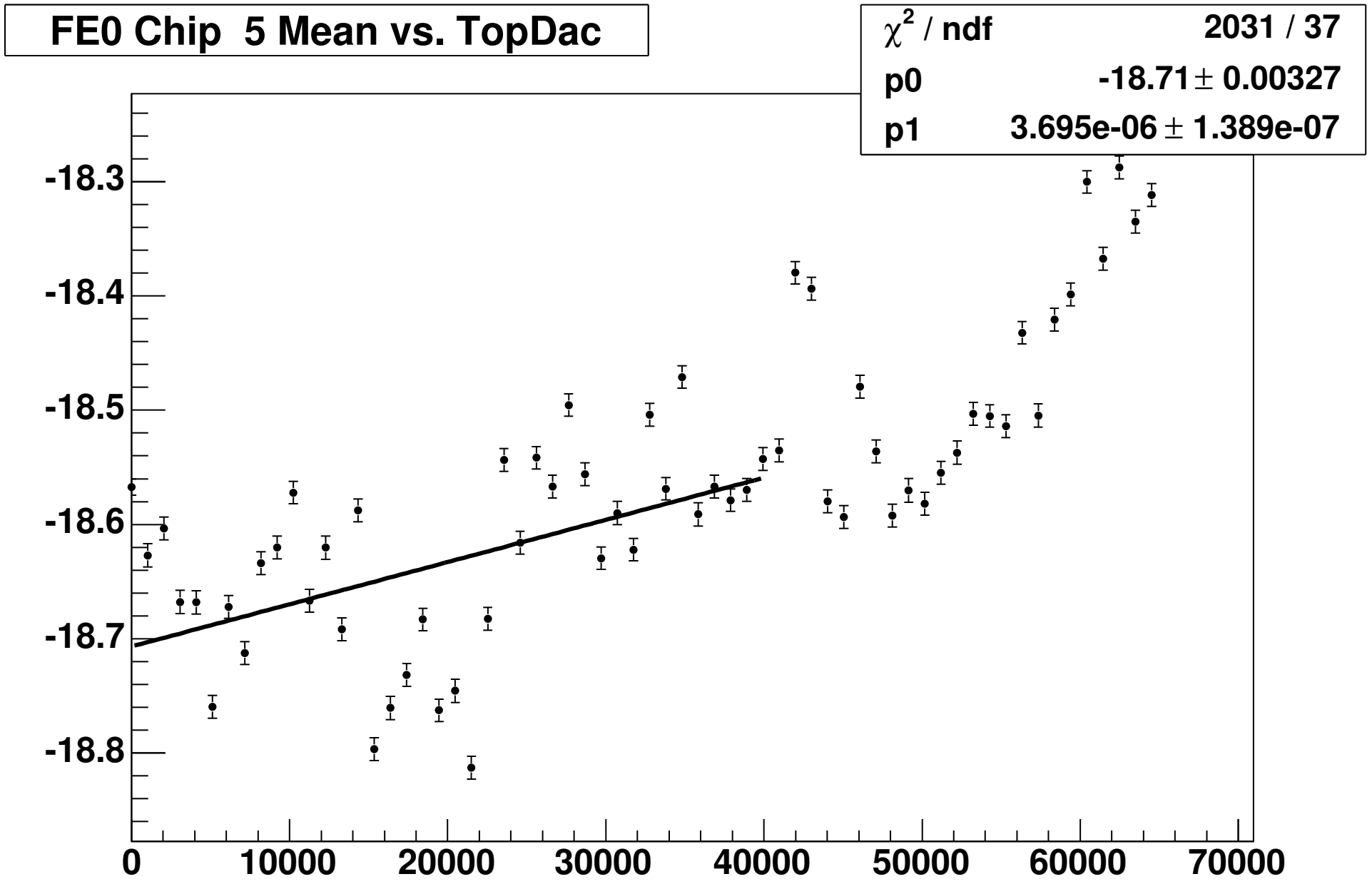

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 941.8 / 37
p0 1.034 ± 0.002034
p1 2.01e-05 ± 1.722e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

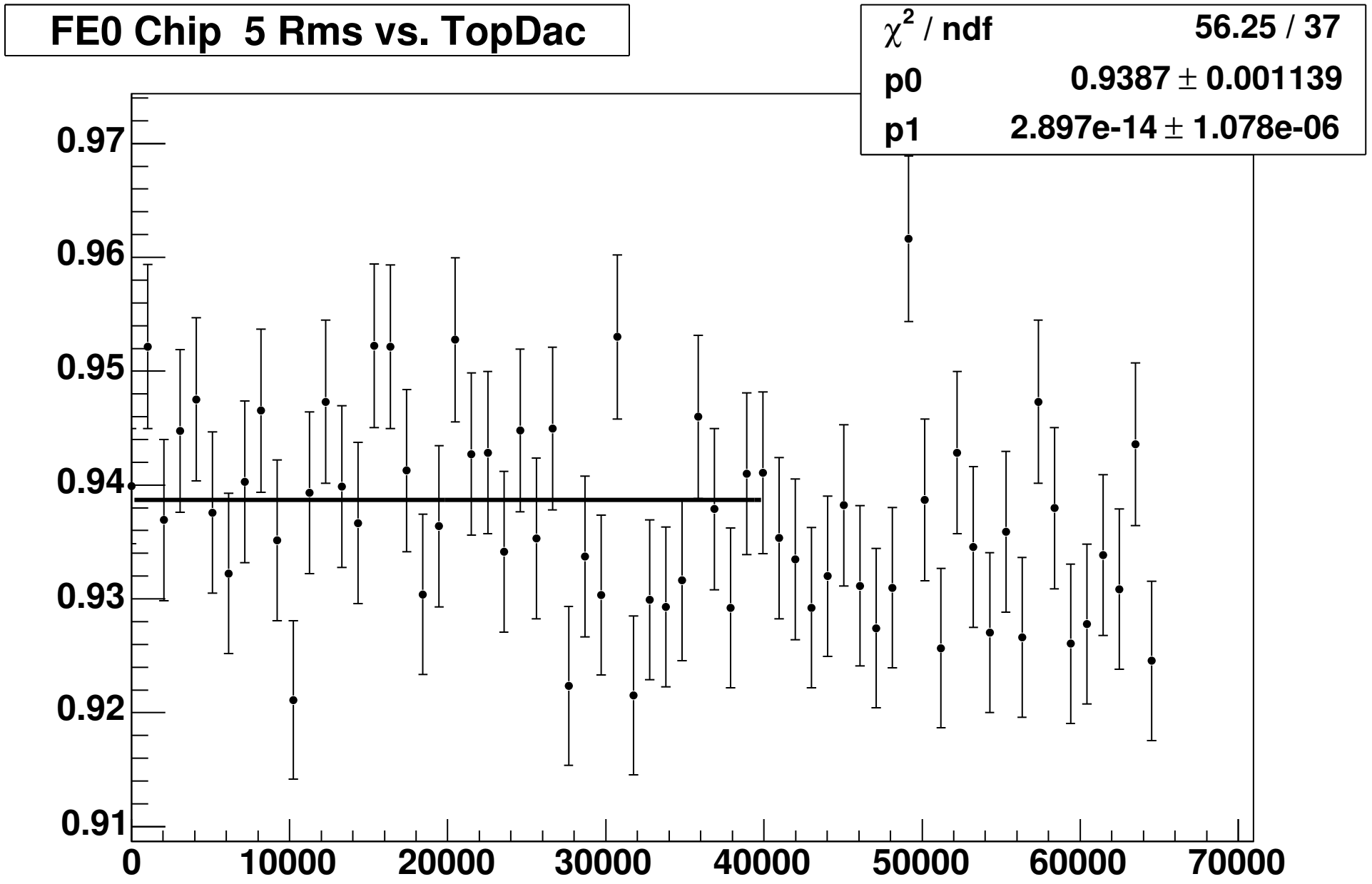

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 2080 / 37
p0 -15.54 ± 0.003446
p1 3.951e-06 ± 1.468e-07
-15.1
-15.2
-15.3
-15.4
-15.5
-15.6
0
10000
20000
30000
40000
50000
60000
70000

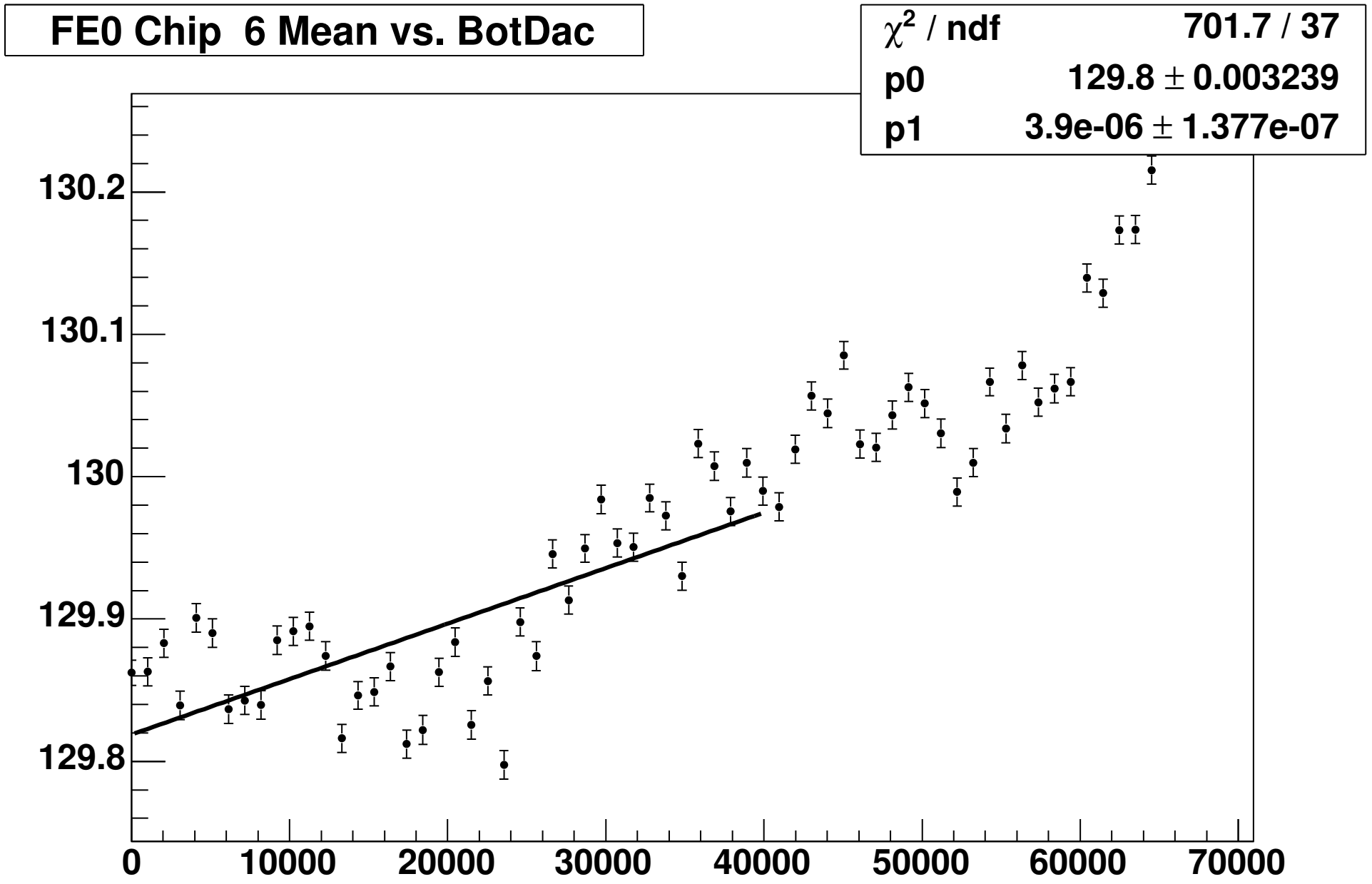

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 33.42 / 37
p0 0.9915 ± 0.001816
p1 2.151e-06 ± 1.14e-06
1.02
1.01
1
0.99
0.98
0.97
0
10000
20000
30000
40000
50000
60000
70000

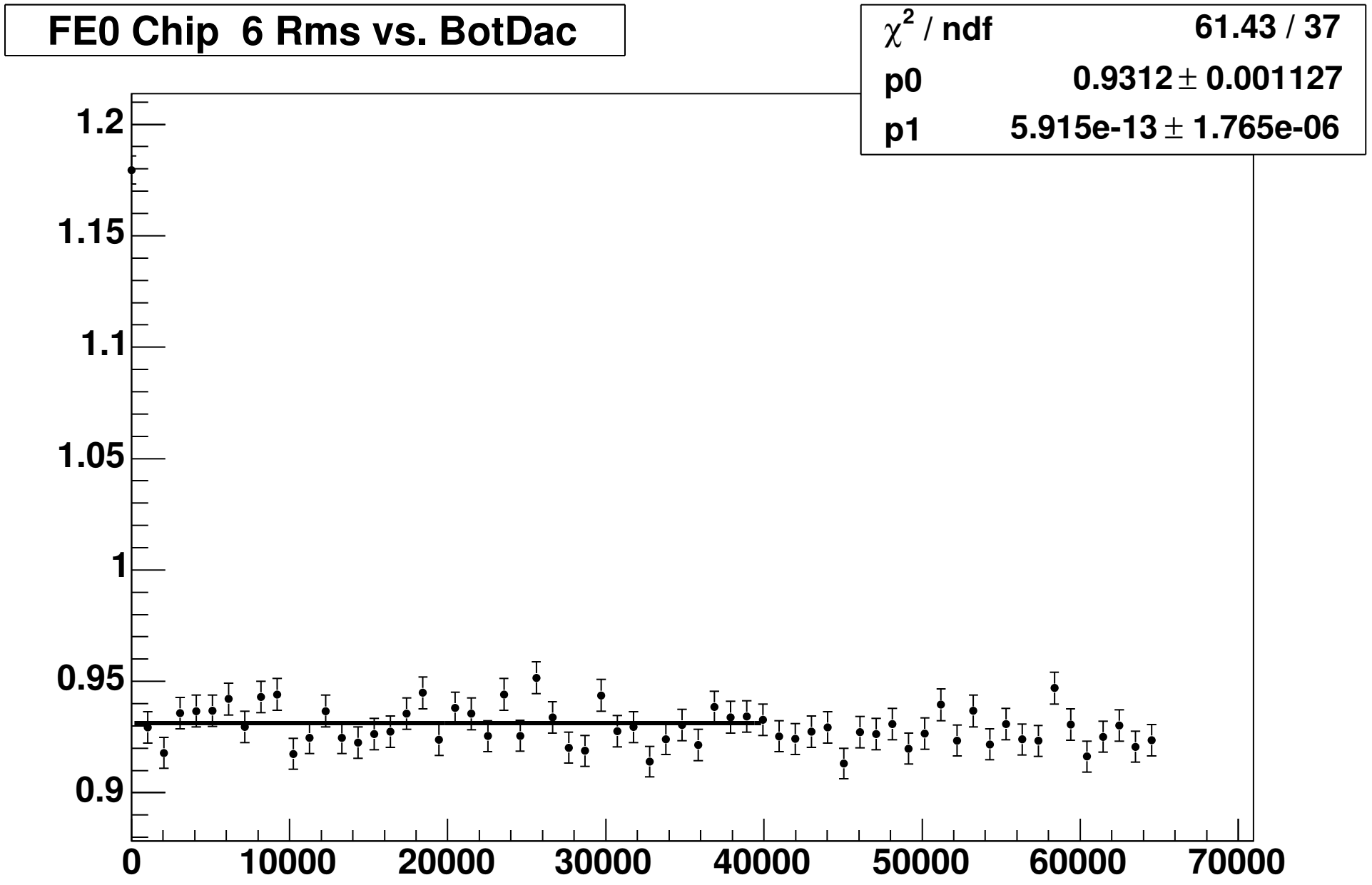

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.217e+05 / 37
p0 -174.1 ± 0.003608
p1 0.2321 ± 1.654e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

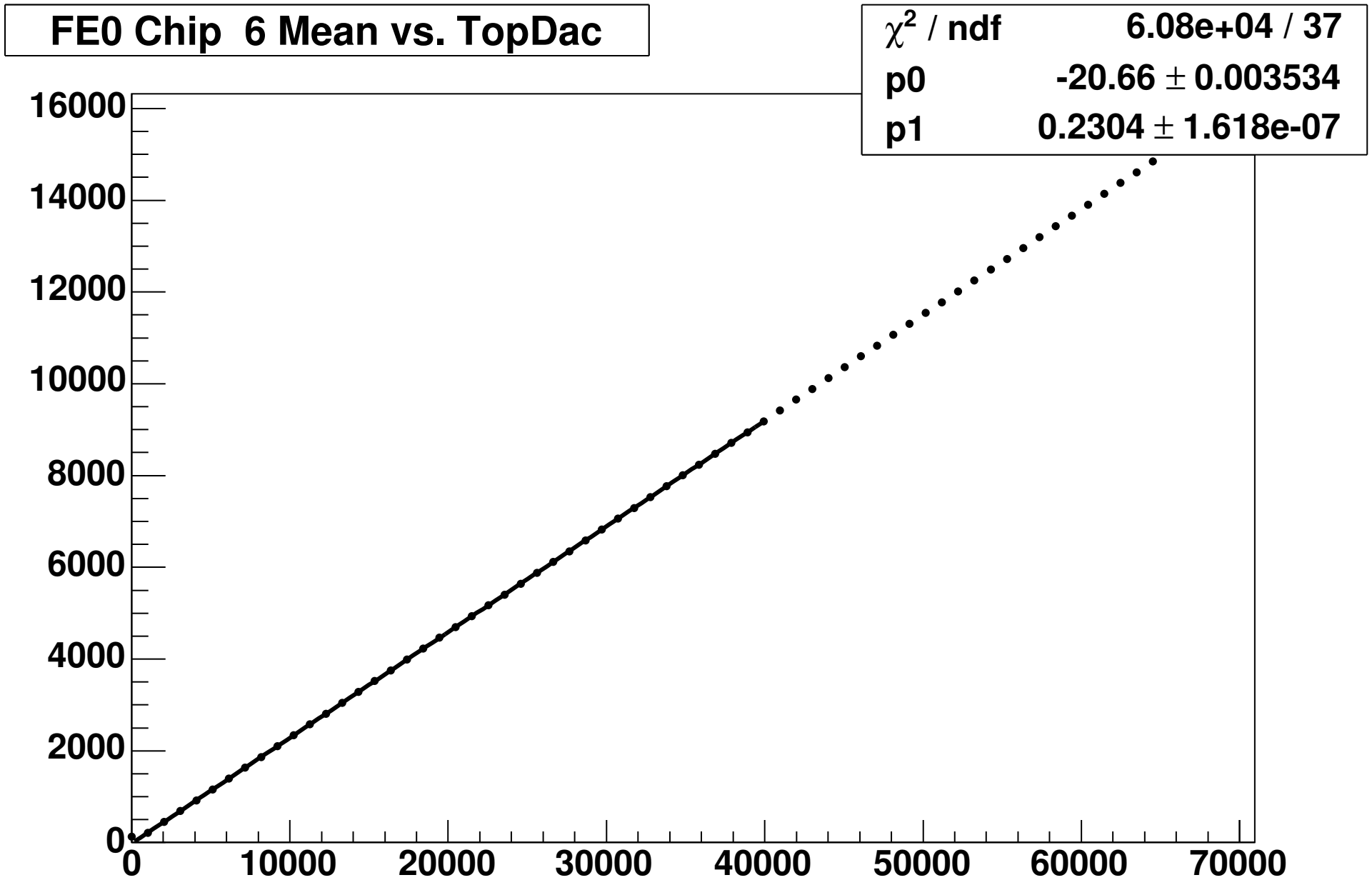

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 657 / 37
p0 1.007 ± 0.001998
p1 2.111e-05 ± 1.607e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

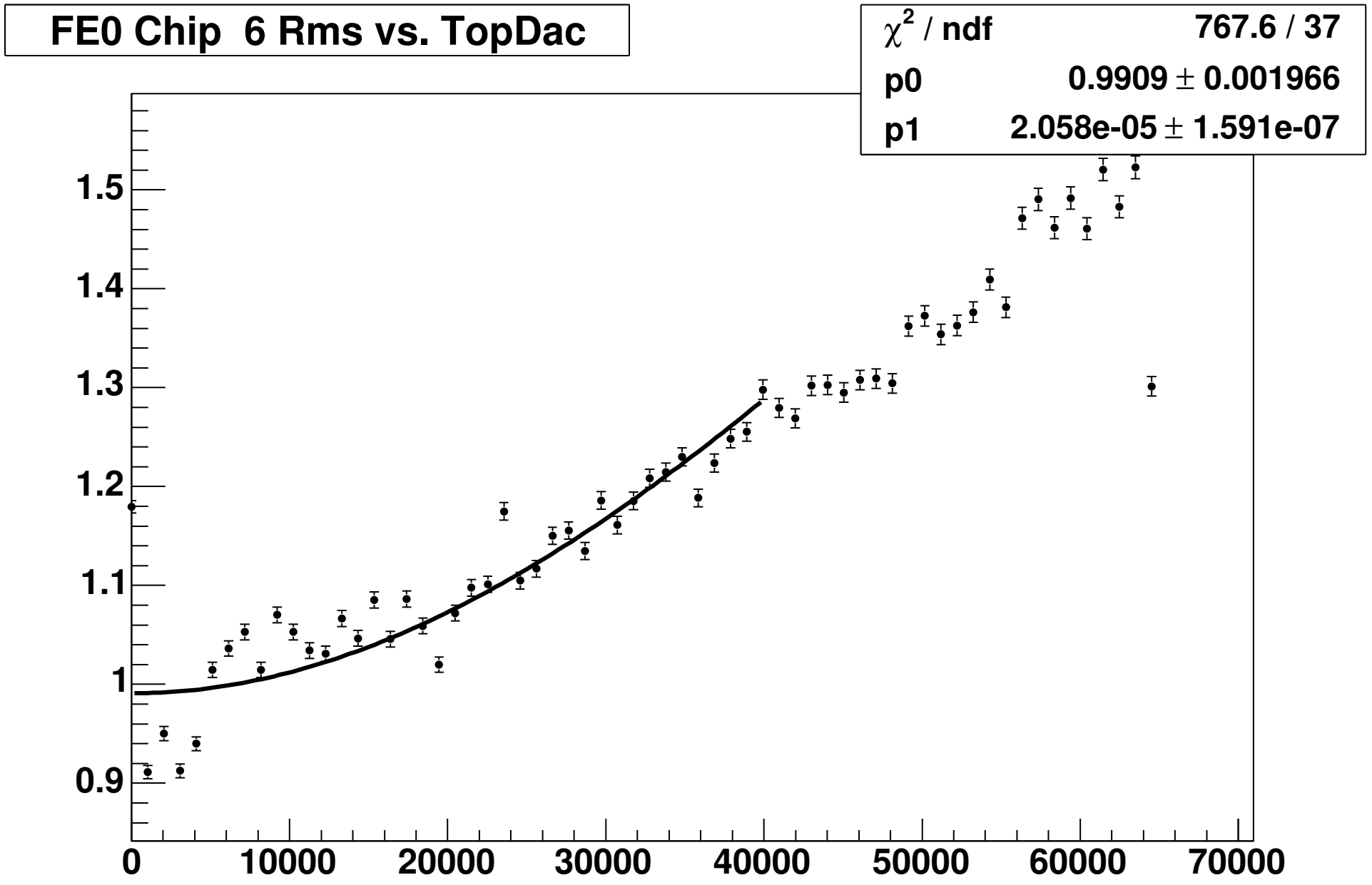

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 2031 / 37
p0 -18.71 ± 0.00327
p1 3.695e-06 ± 1.389e-07
-18.3
-18.4
-18.5
-18.6
-18.7
-18.8
0
10000
20000
30000
40000
50000
60000
70000

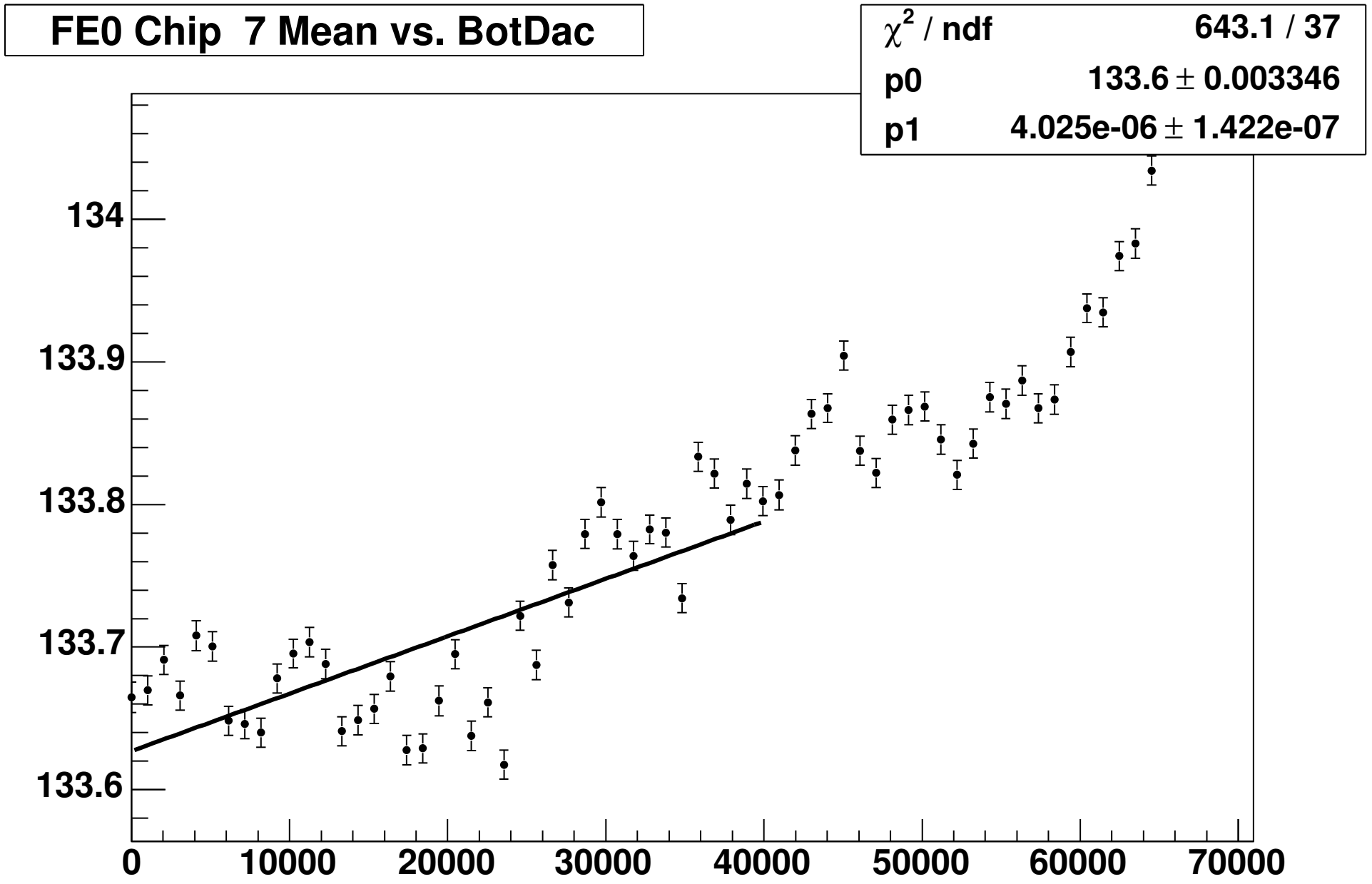

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 56.25 / 37
p0 0.9387 ± 0.001139
p1 2.897e-14 ± 1.078e-06
0.97
0.96
0.95
0.94
0.93
0.92
0.91
0
10000
20000
30000
40000
50000
60000
70000

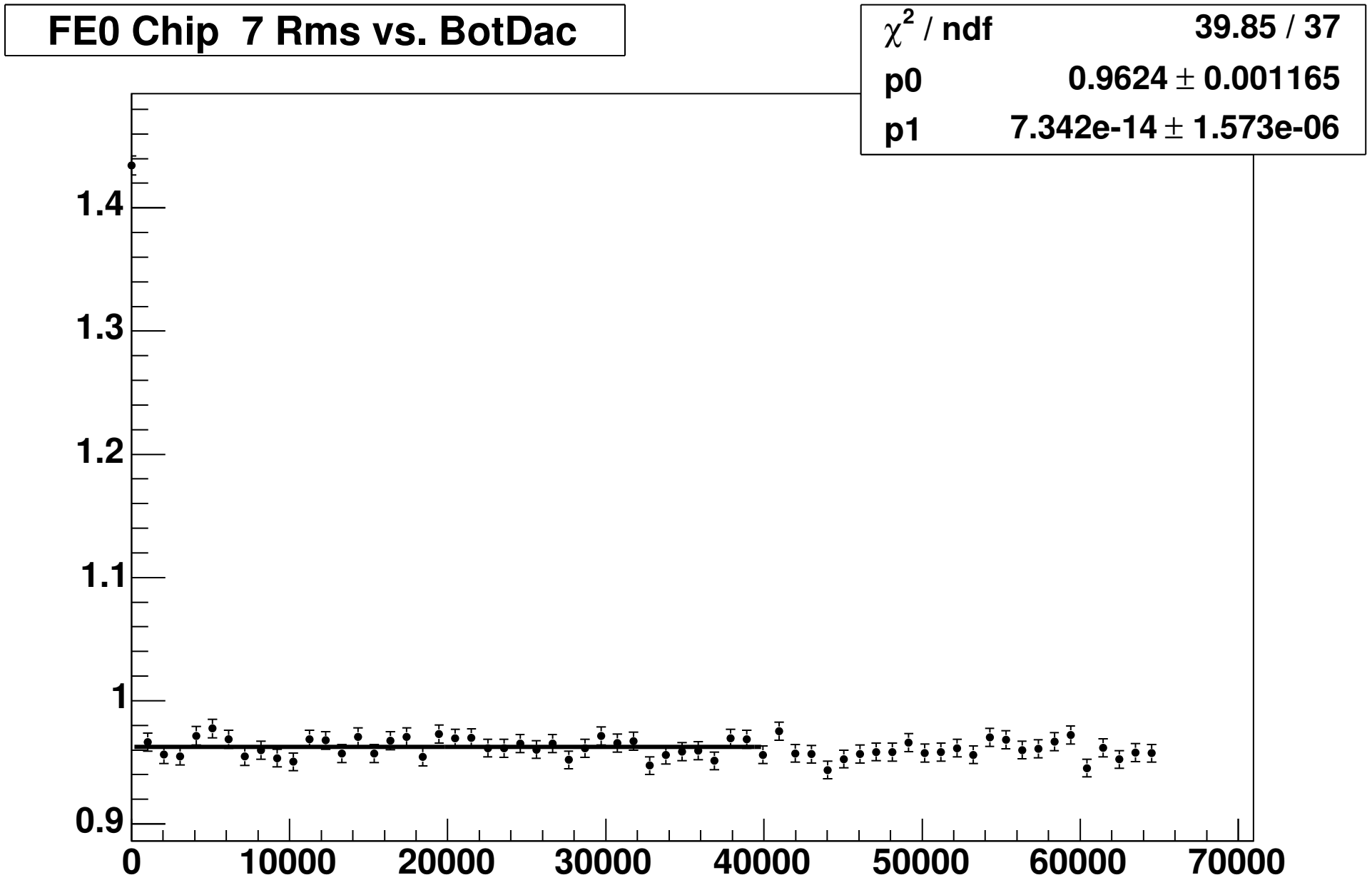

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 701.7 / 37
p0 129.8 ± 0.003239
p1 3.9e-06 ± 1.377e-07
130.2
130.1
130
129.9
129.8
0
10000
20000
30000
40000
50000
60000
70000

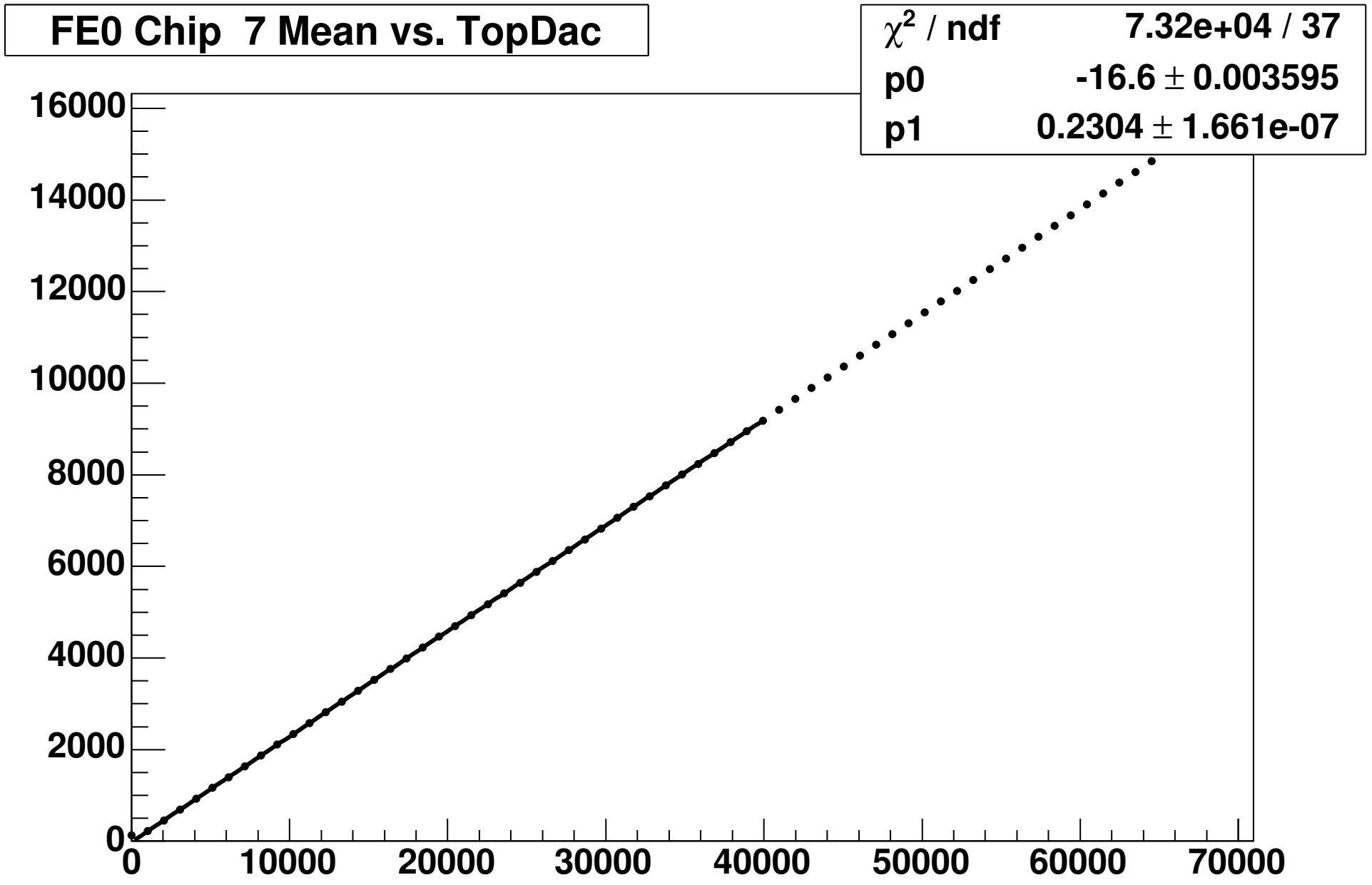

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 61.43 / 37
p0 0.9312 ± 0.001127
p1 5.915e-13 ± 1.765e-06
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
30000
40000
50000
60000
70000

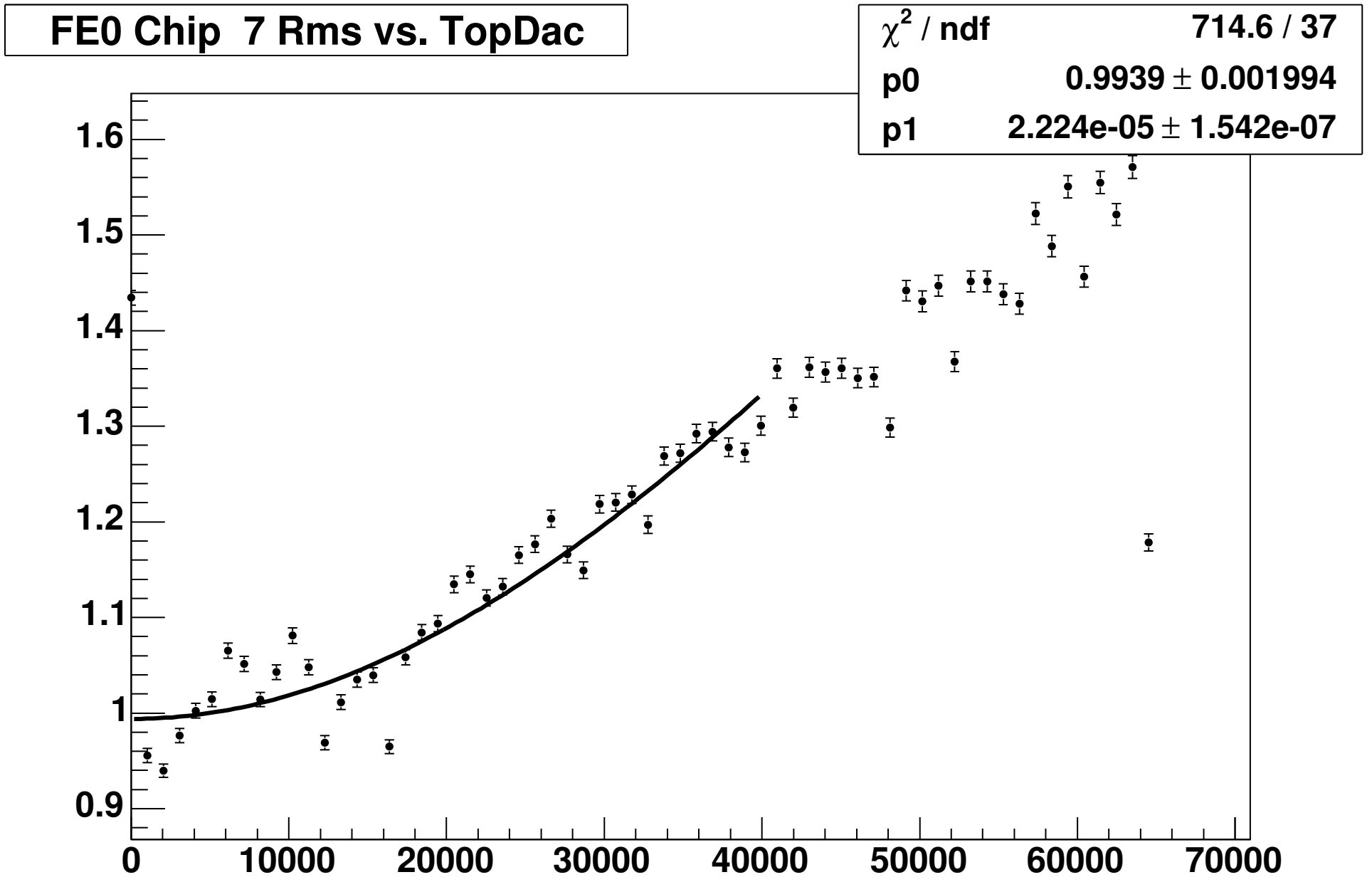

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 6.08e+04 / 37
p0 -20.66 ± 0.003534
p1 0.2304 ± 1.618e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

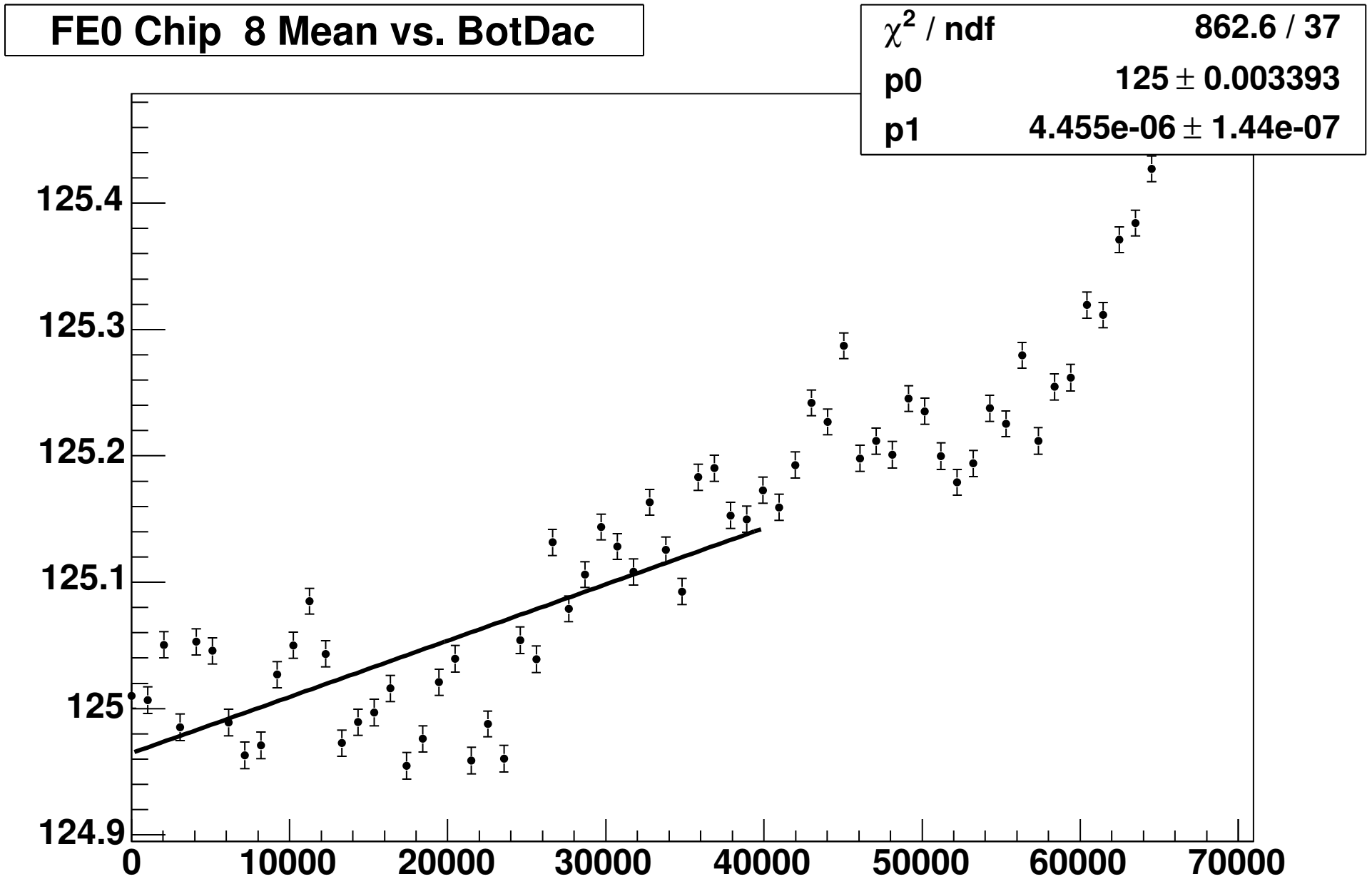

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 767.6 / 37
p0 0.9909 ± 0.001966
p1 2.058e-05 ± 1.591e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

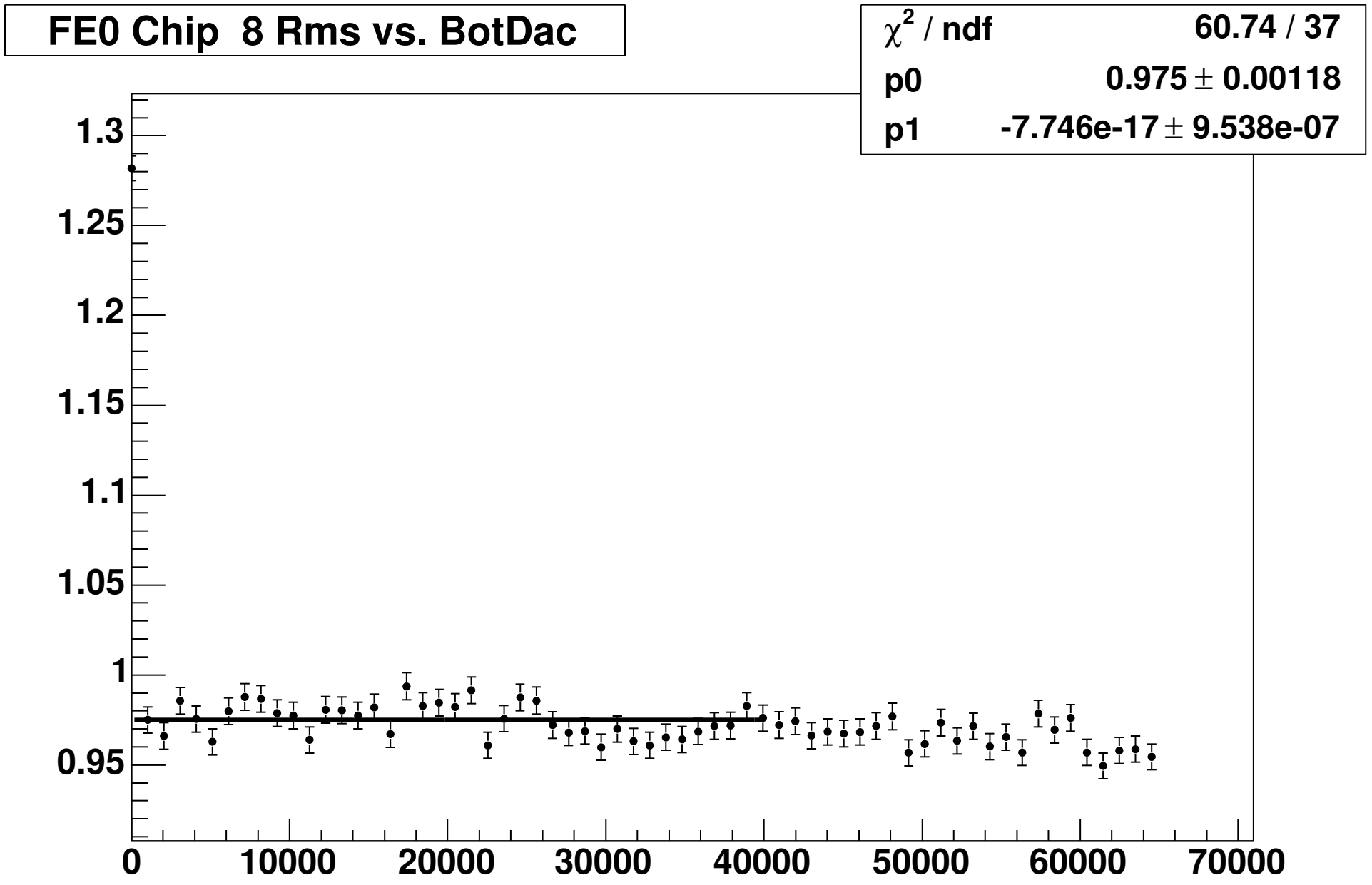

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 643.1 / 37
p0 133.6 ± 0.003346
p1 4.025e-06 ± 1.422e-07
134
133.9
133.8
133.7
133.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 39.85 / 37
p0 0.9624 ± 0.001165
p1 7.342e-14 ± 1.573e-06
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 7.32e+04 / 37
p0 -16.6 ± 0.003595
p1 0.2304 ± 1.661e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 714.6 / 37
p0 0.9939 ± 0.001994
p1 2.224e-05 ± 1.542e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 862.6 / 37
p0 125 ± 0.003393
p1 4.455e-06 ± 1.44e-07
125.4
125.3
125.2
125.1
125
124.9
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 60.74 / 37
p0 0.975 ± 0.00118
p1 -7.746e-17 ± 9.538e-07
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0
10000
20000
30000
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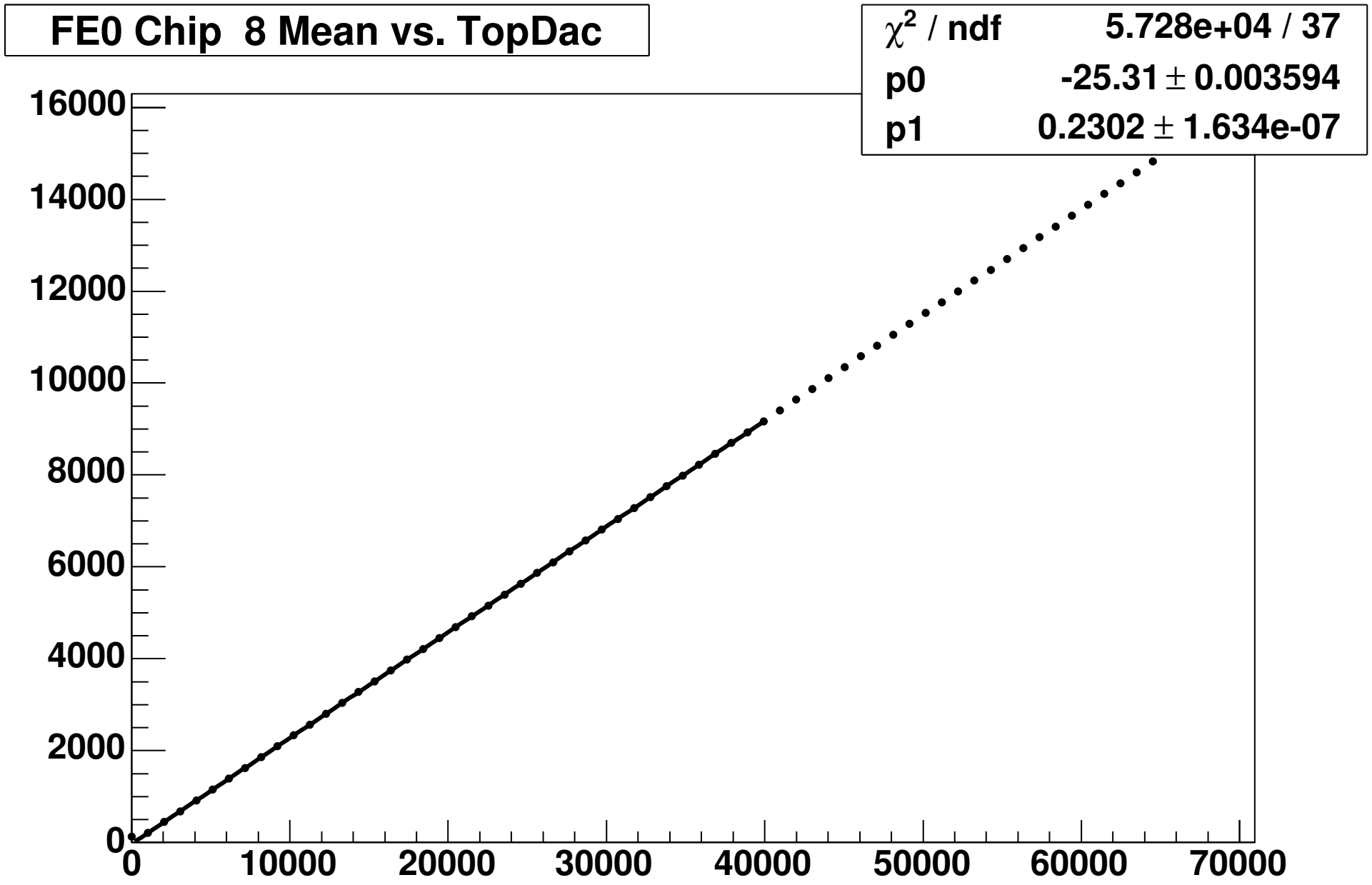
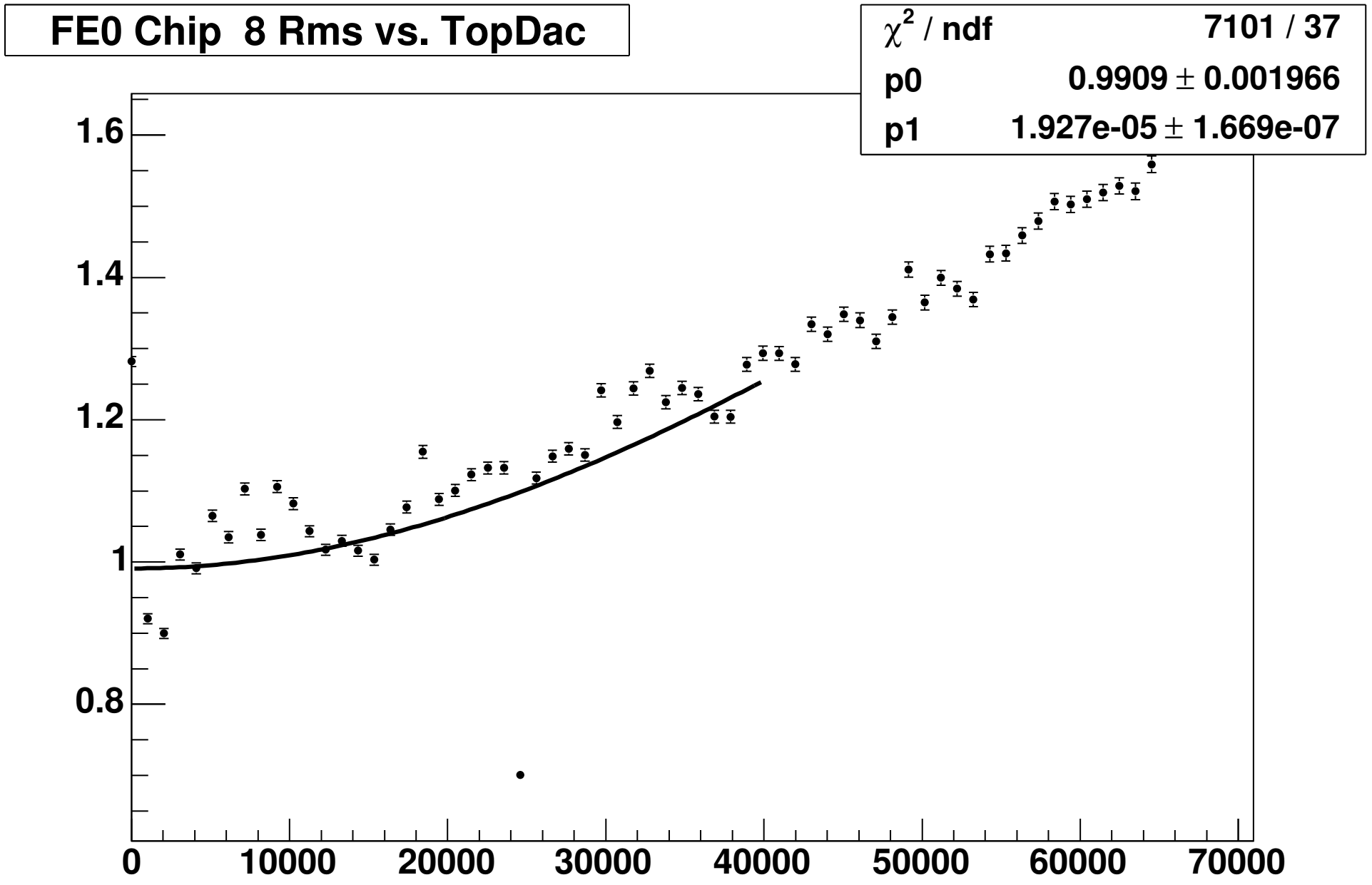
60000
70000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 5.728e+04 / 37
p0 -25.31 ± 0.003594
p1 0.2302 ± 1.634e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 7101 / 37
p0 0.9909 ± 0.001966
p1 1.927e-05 ± 1.669e-07
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
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60000
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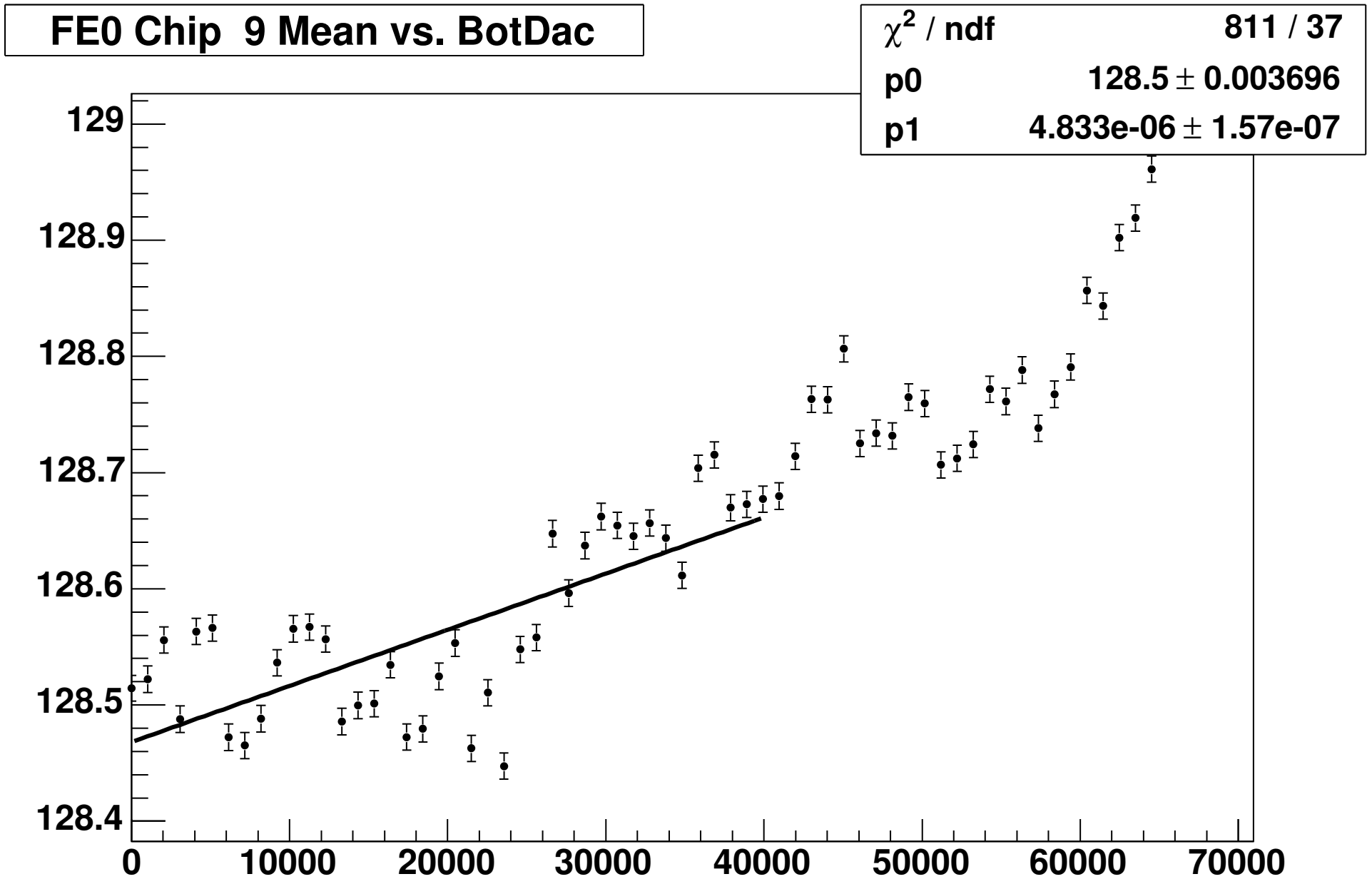
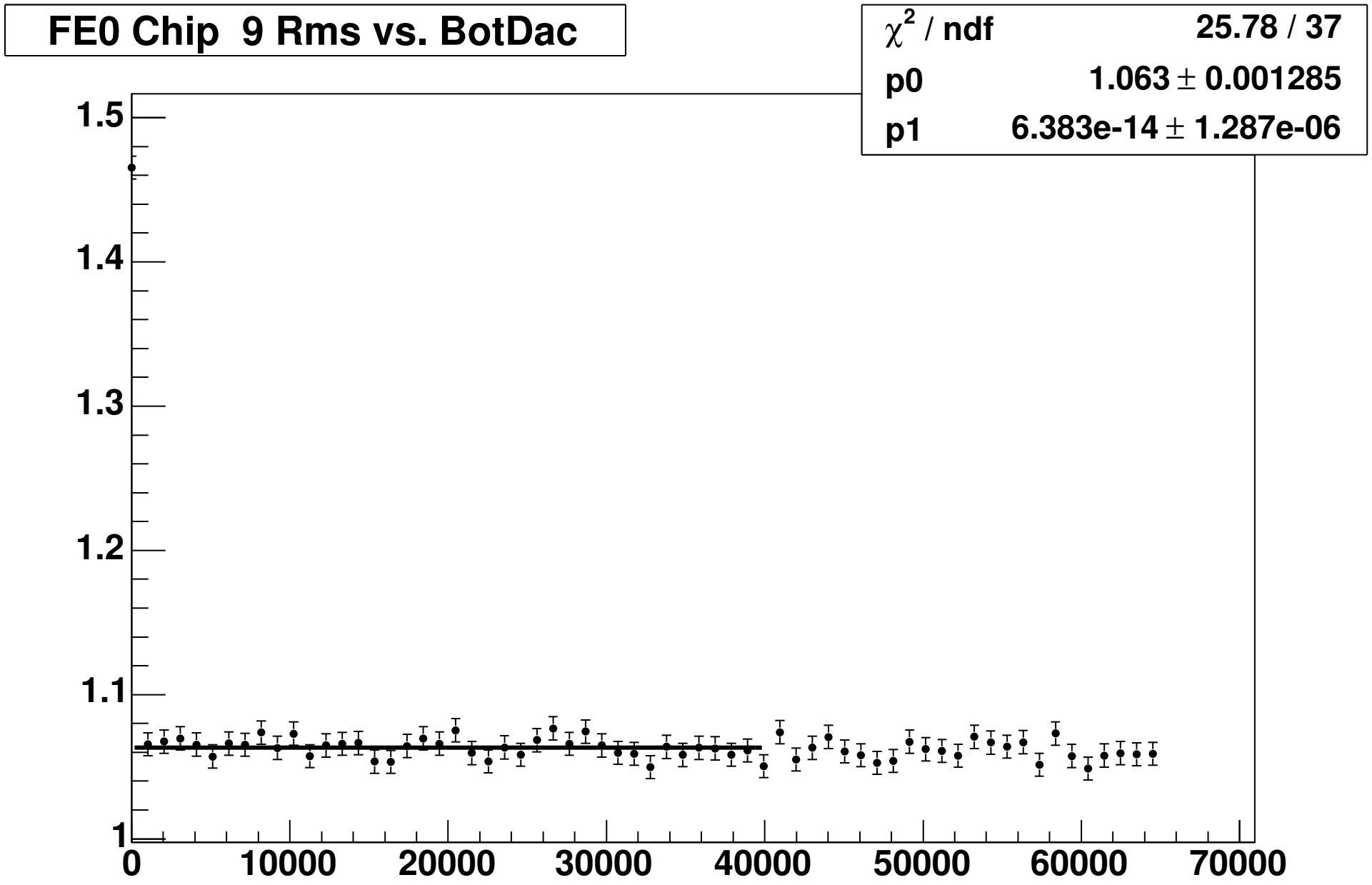
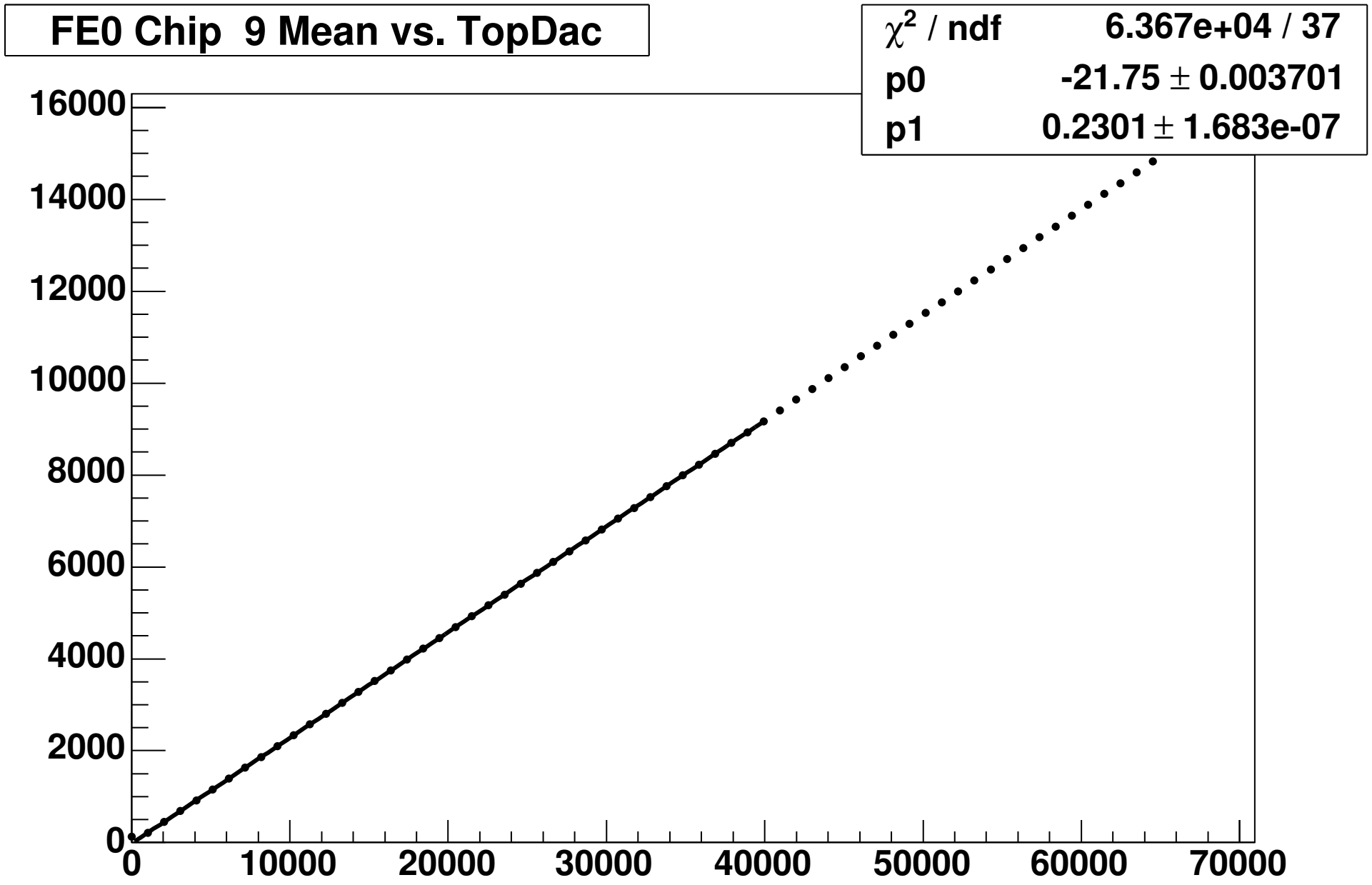
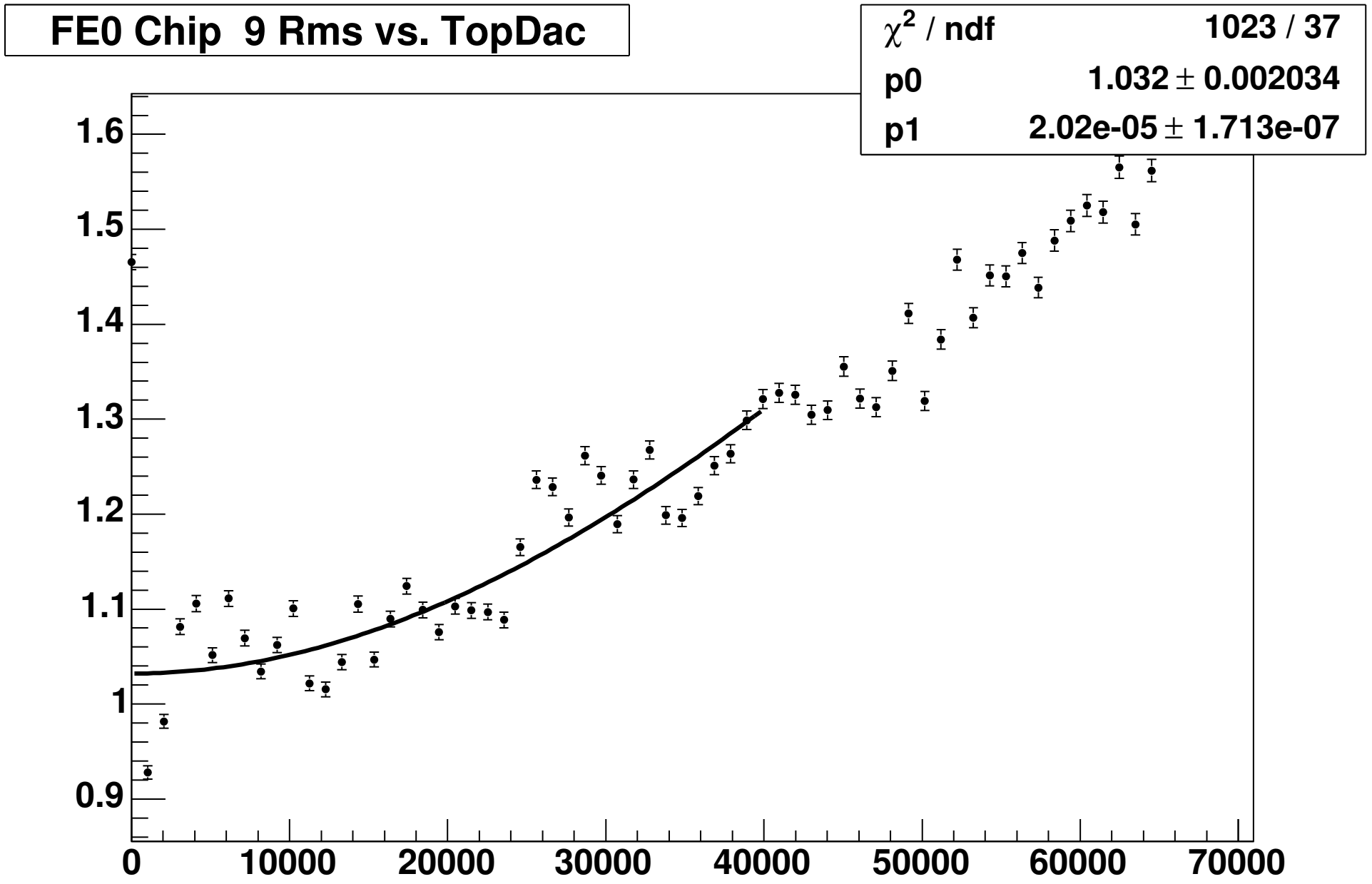

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 811 / 37
p0 128.5 ± 0.003696
p1 4.833e-06 ± 1.57e-07
129
128.9
128.8
128.7
128.6
128.5
128.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 25.78 / 37
p0 1.063 ± 0.001285
p1 6.383e-14 ± 1.287e-06
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 6.367e+04 / 37
p0 -21.75 ± 0.003701
p1 0.2301 ± 1.683e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1023 / 37
p0 1.032 ± 0.002034
p1 2.02e-05 ± 1.713e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
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40000
50000
60000
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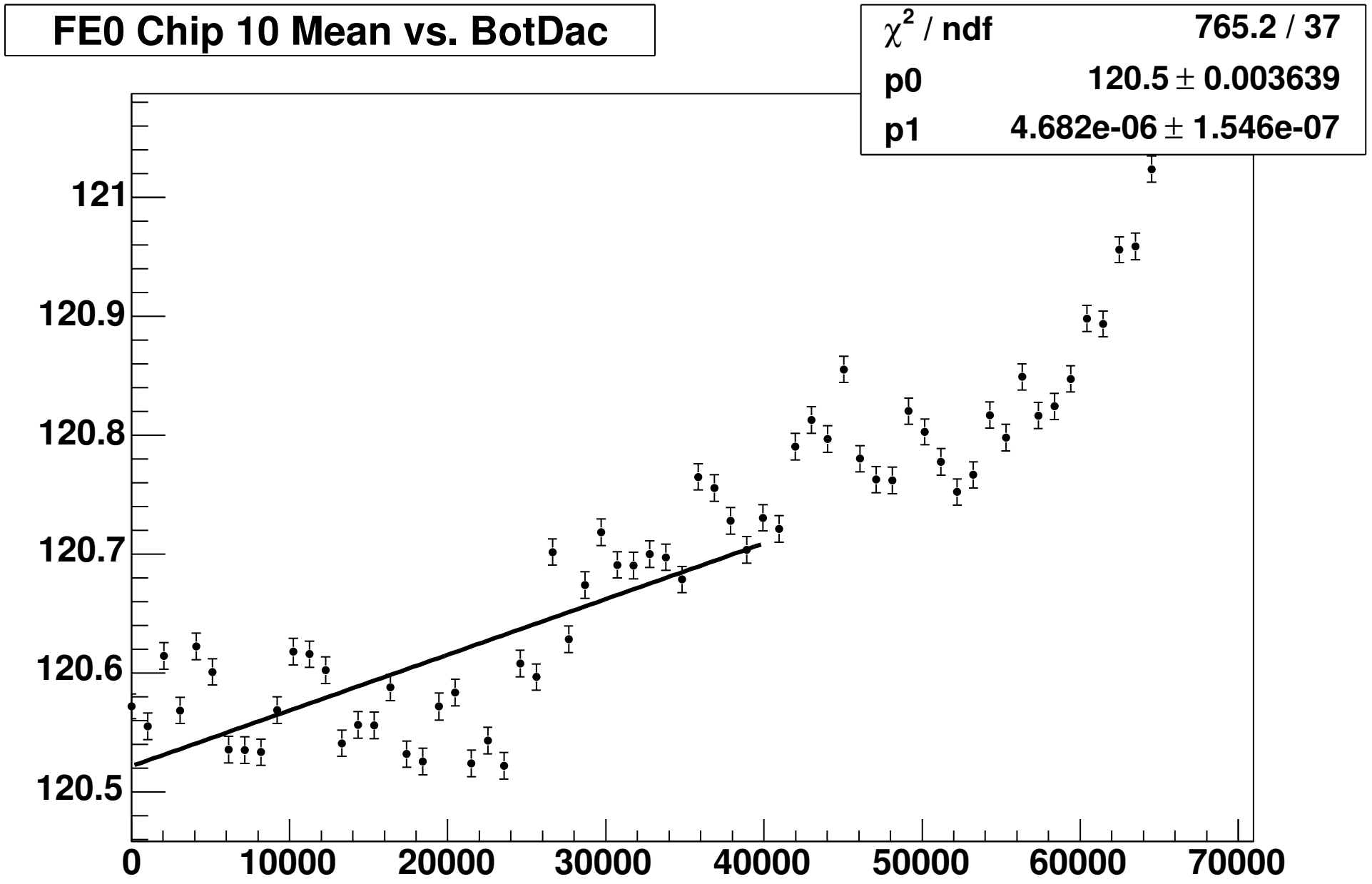
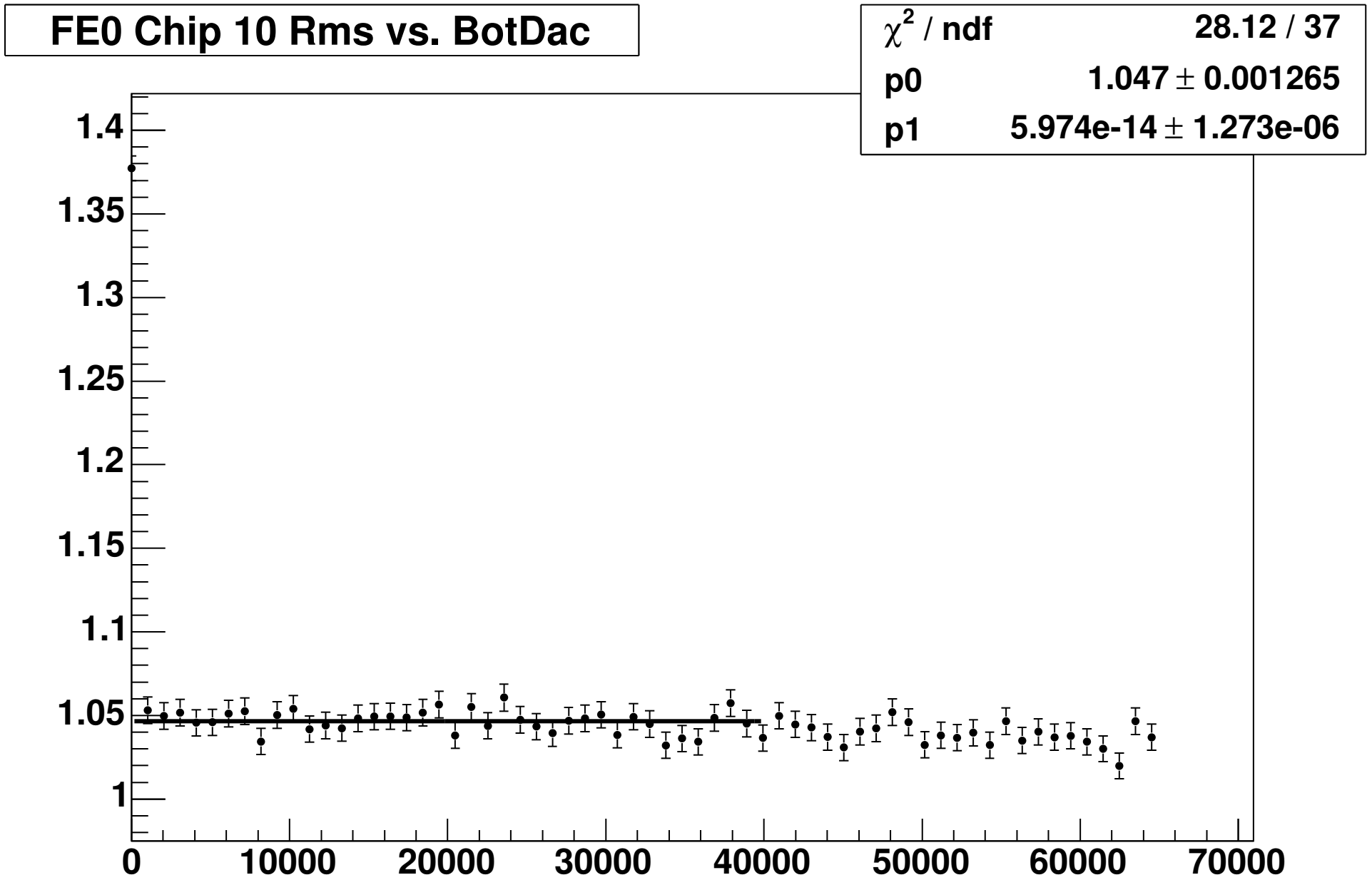

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 765.2 / 37
p0 120.5 ± 0.003639
p1 4.682e-06 ± 1.546e-07
121
120.9
120.8
120.7
120.6
120.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 28.12 / 37
p0 1.047 ± 0.001265
p1 5.974e-14 ± 1.273e-06
1.4
1.35
1.3
1.25
1.2
1.15
1.1
1.05
1
0
10000
20000
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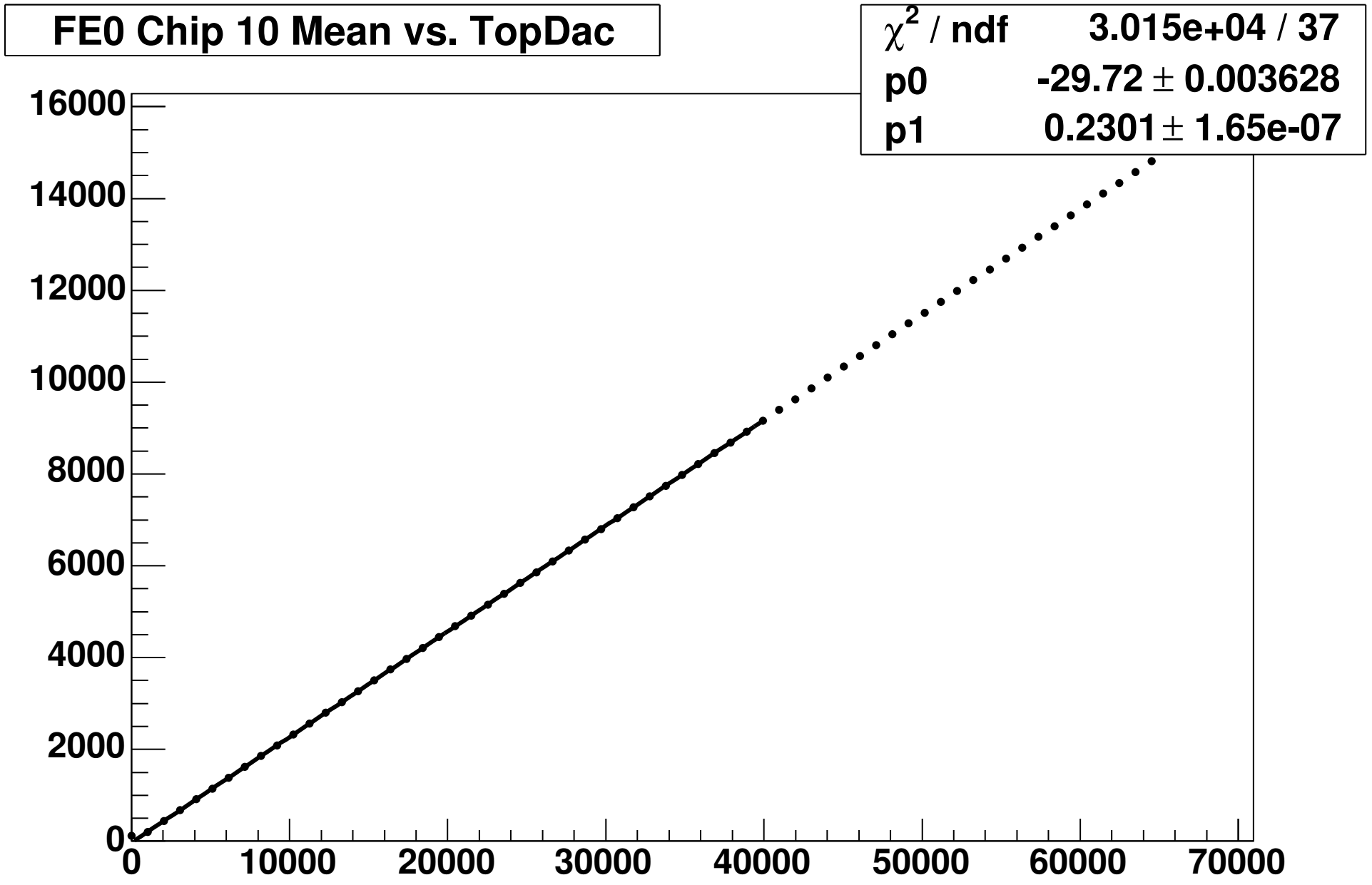
FE0 Chip 10 Mean vs. TopDac
χ² / ndf 3.015e+04 / 37
p0 -29.72 ± 0.003628
p1 0.2301 ± 1.65e-07
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14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
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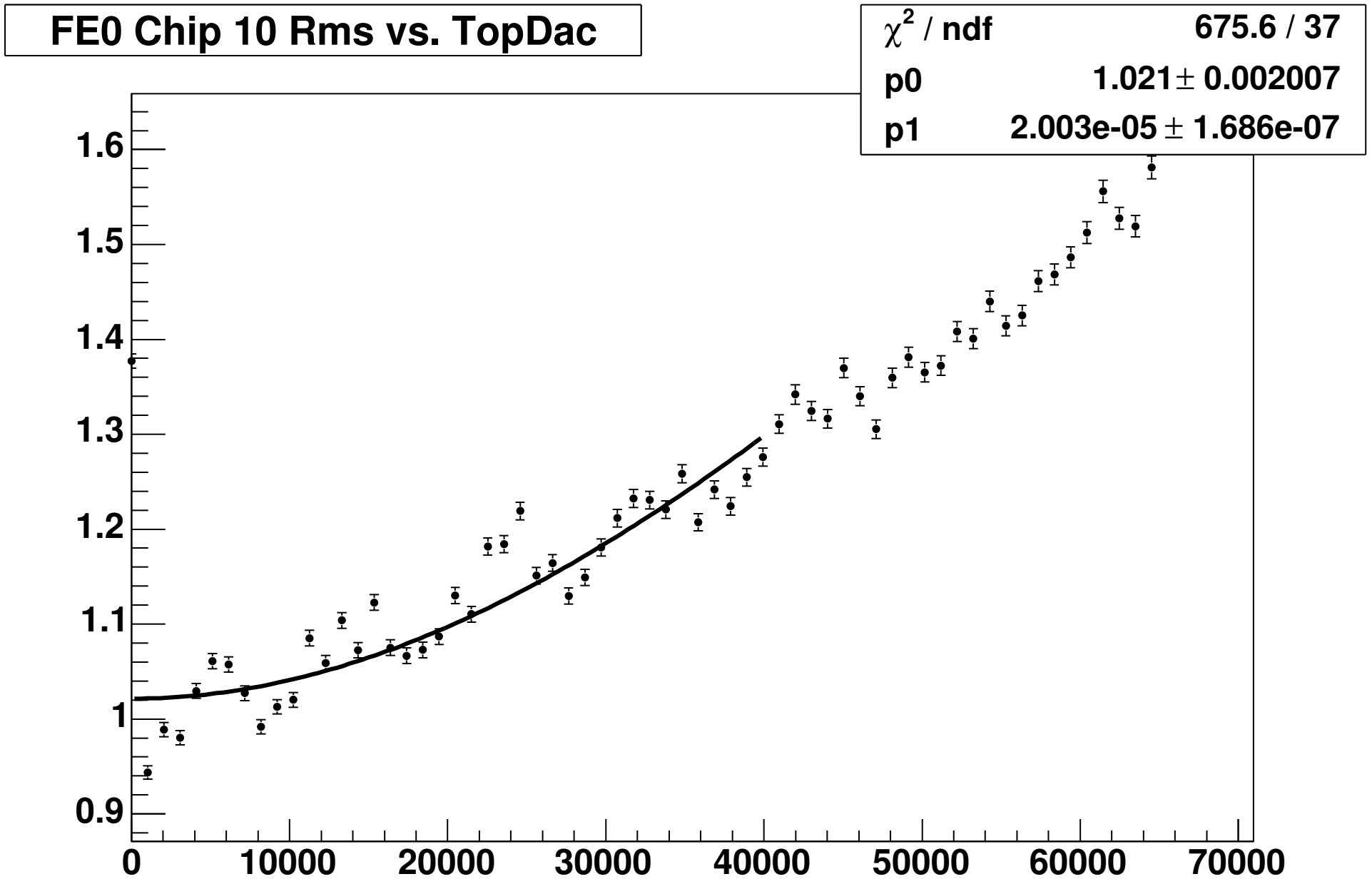
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 675.6 / 37
p0 1.021 ± 0.002007
p1 2.003e-05 ± 1.686e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
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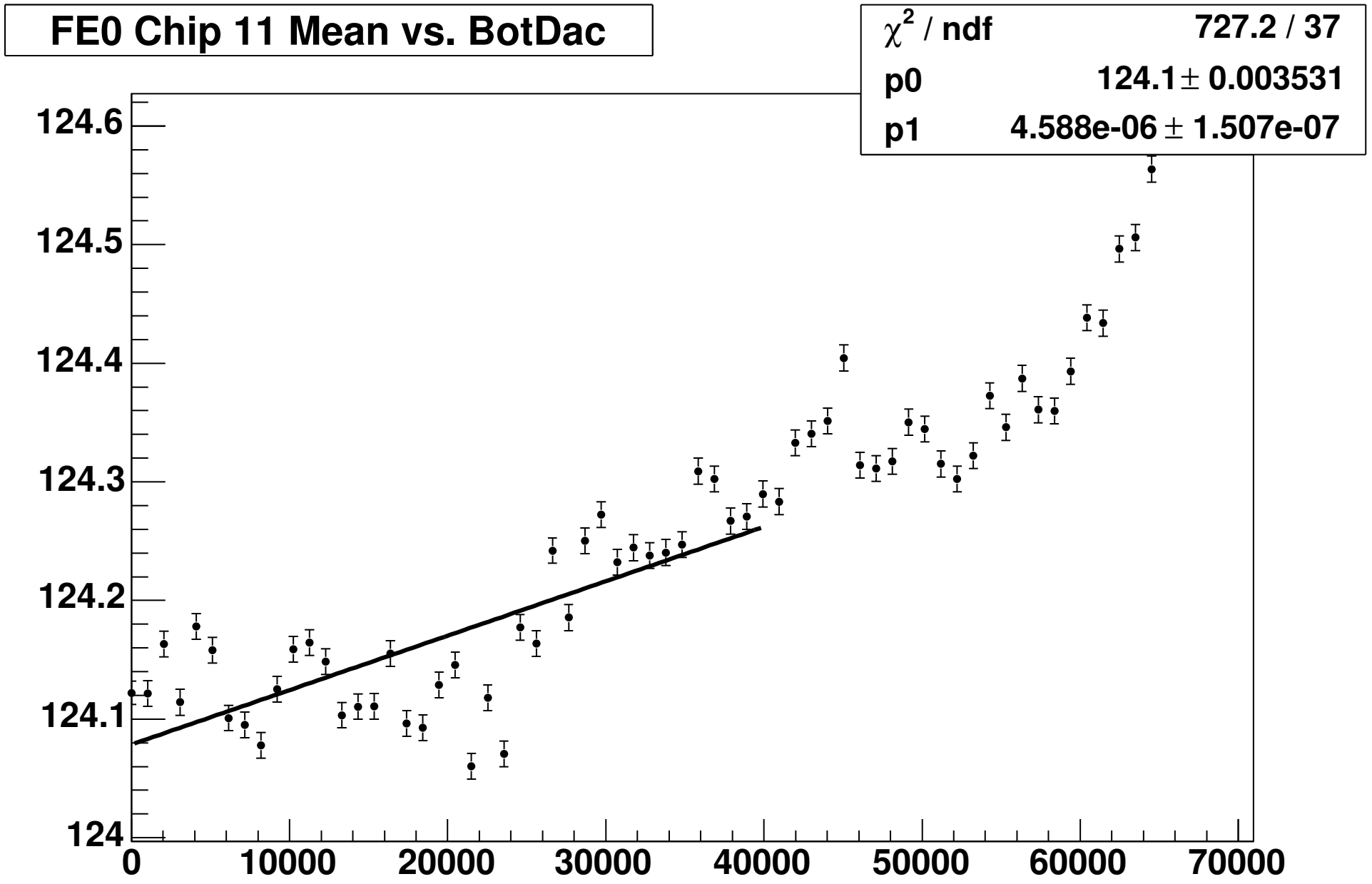
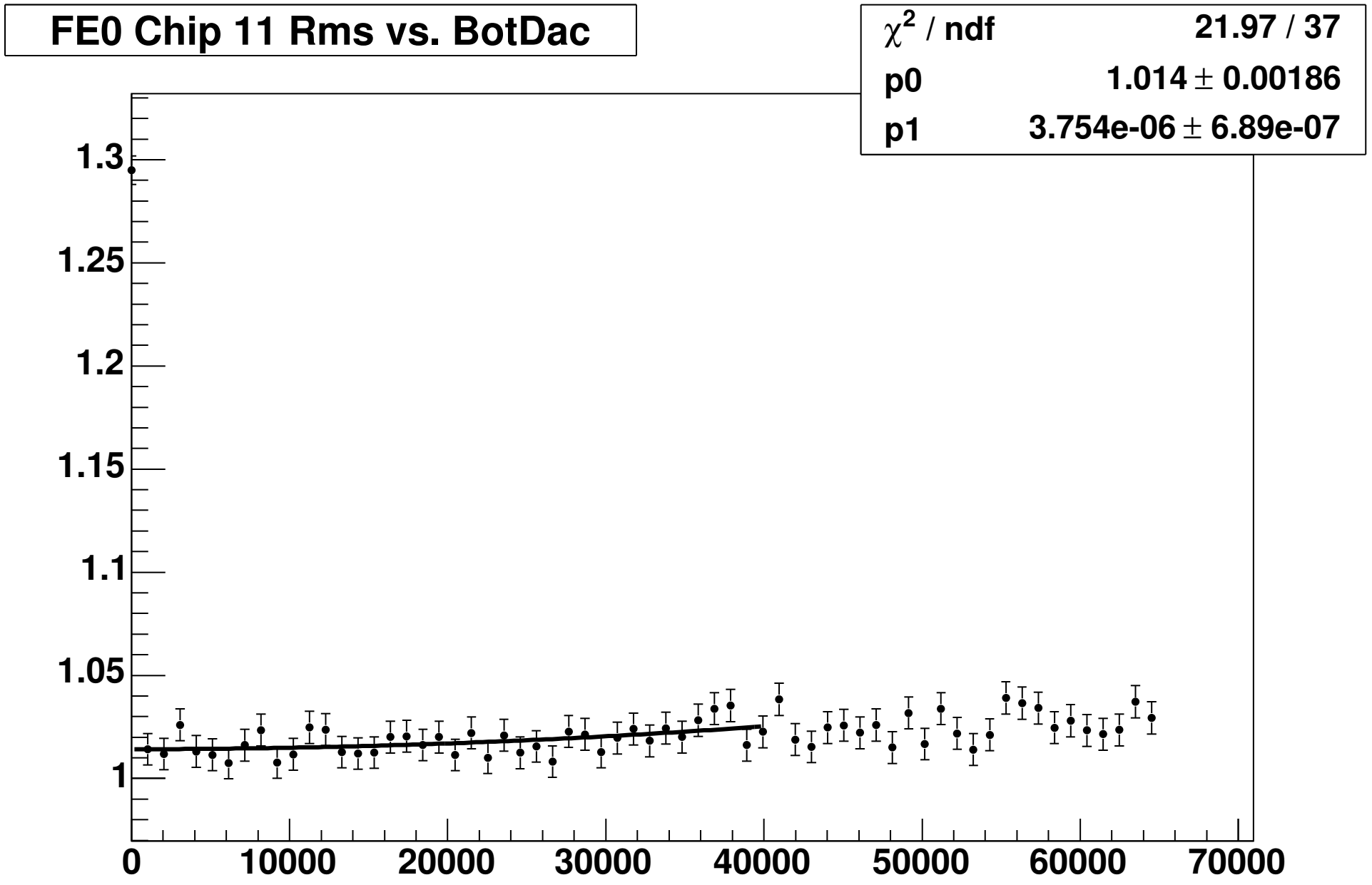
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 727.2 / 37
p0 124.1 ± 0.003531
p1 4.588e-06 ± 1.507e-07
124.6
124.5
124.4
124.3
124.2
124.1
124
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 21.97 / 37
p0 1.014 ± 0.00186
p1 3.754e-06 ± 6.89e-07
1.3
1.25
1.2
1.15
1.1
1.05
1
0
10000
20000
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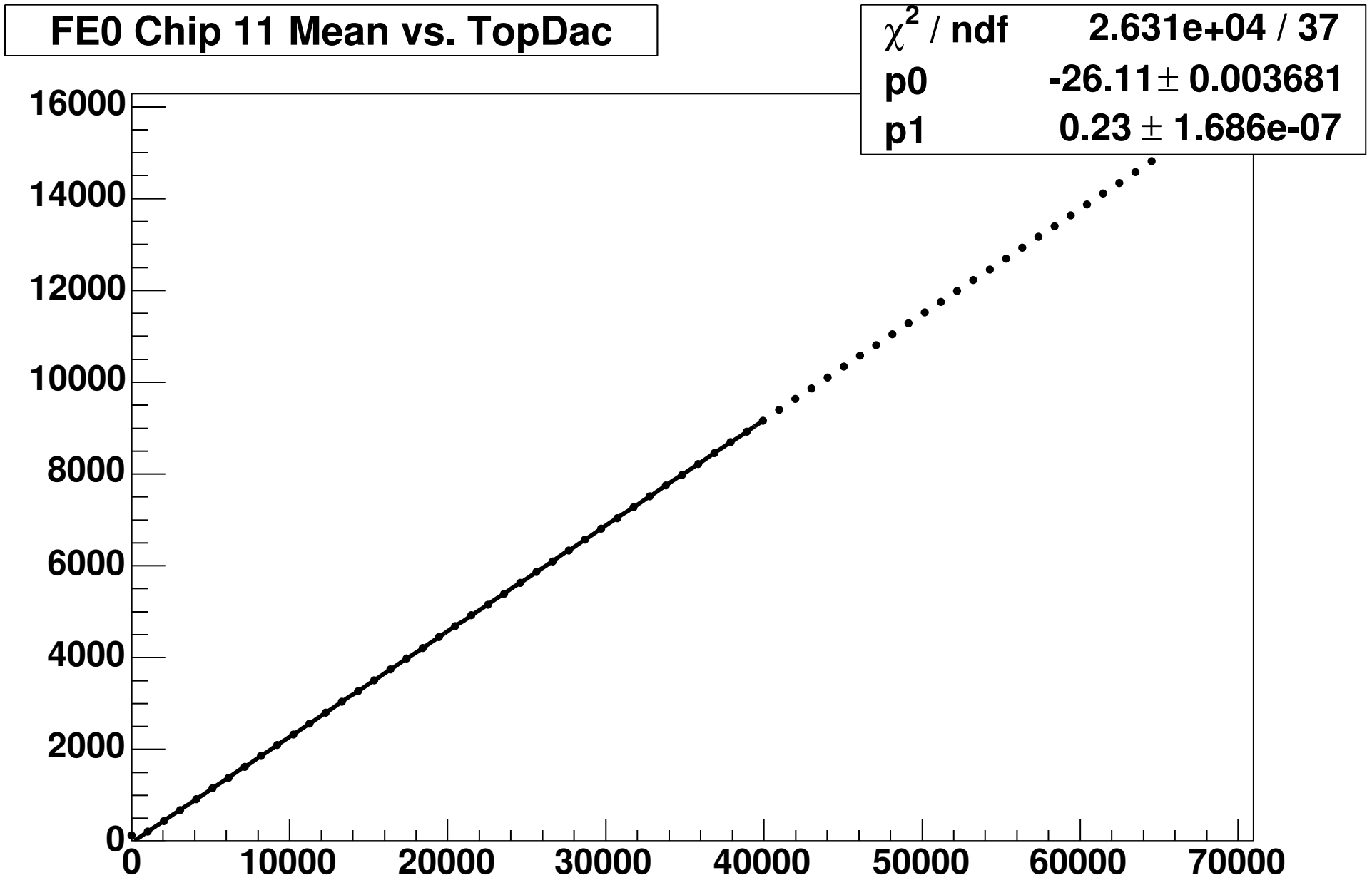
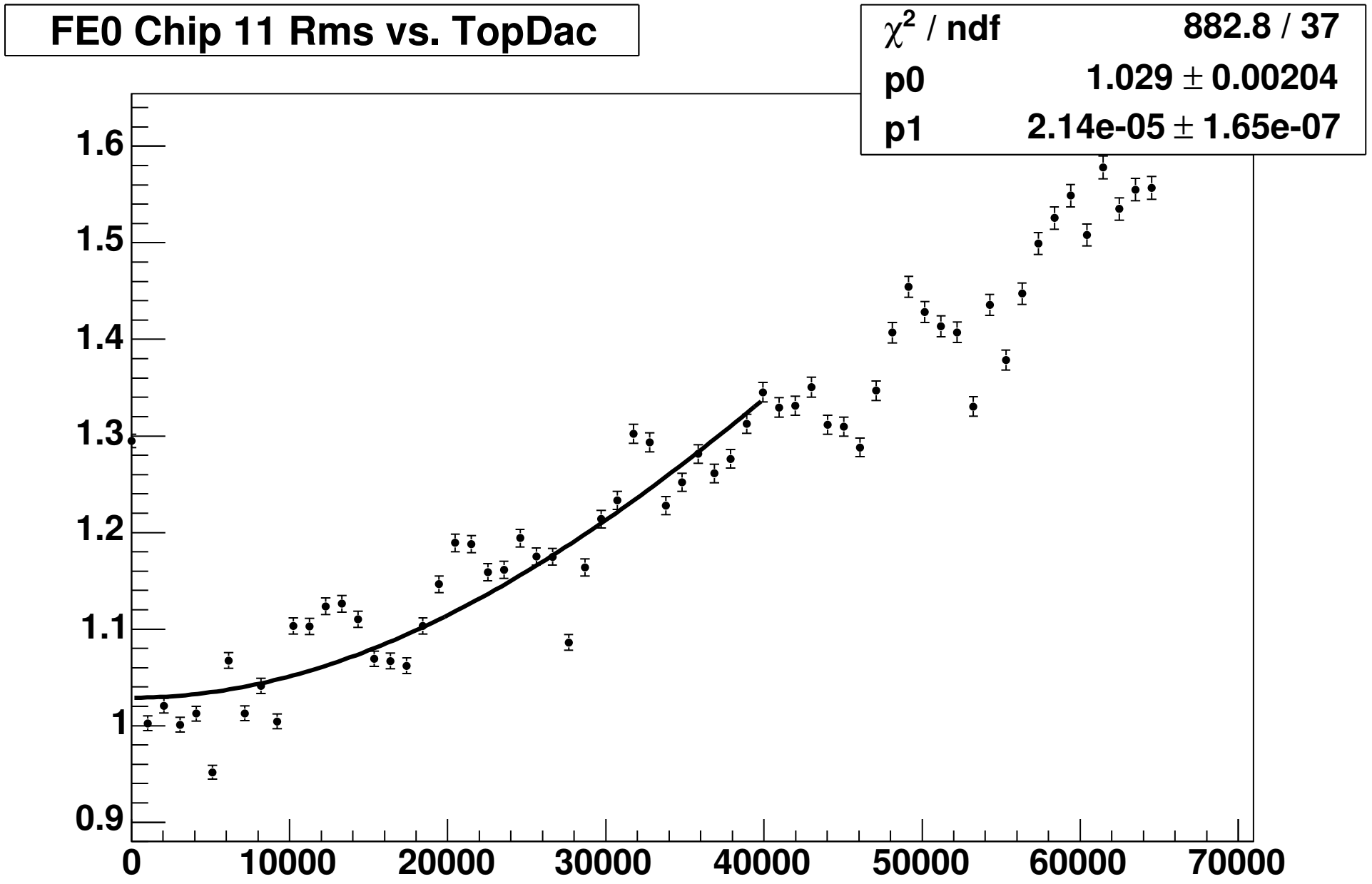
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 2.631e+04 / 37
p0 -26.11 ± 0.003681
p1 0.23 ± 1.686e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 882.8 / 37
p0 1.029 ± 0.00204
p1 2.14e-05 ± 1.65e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
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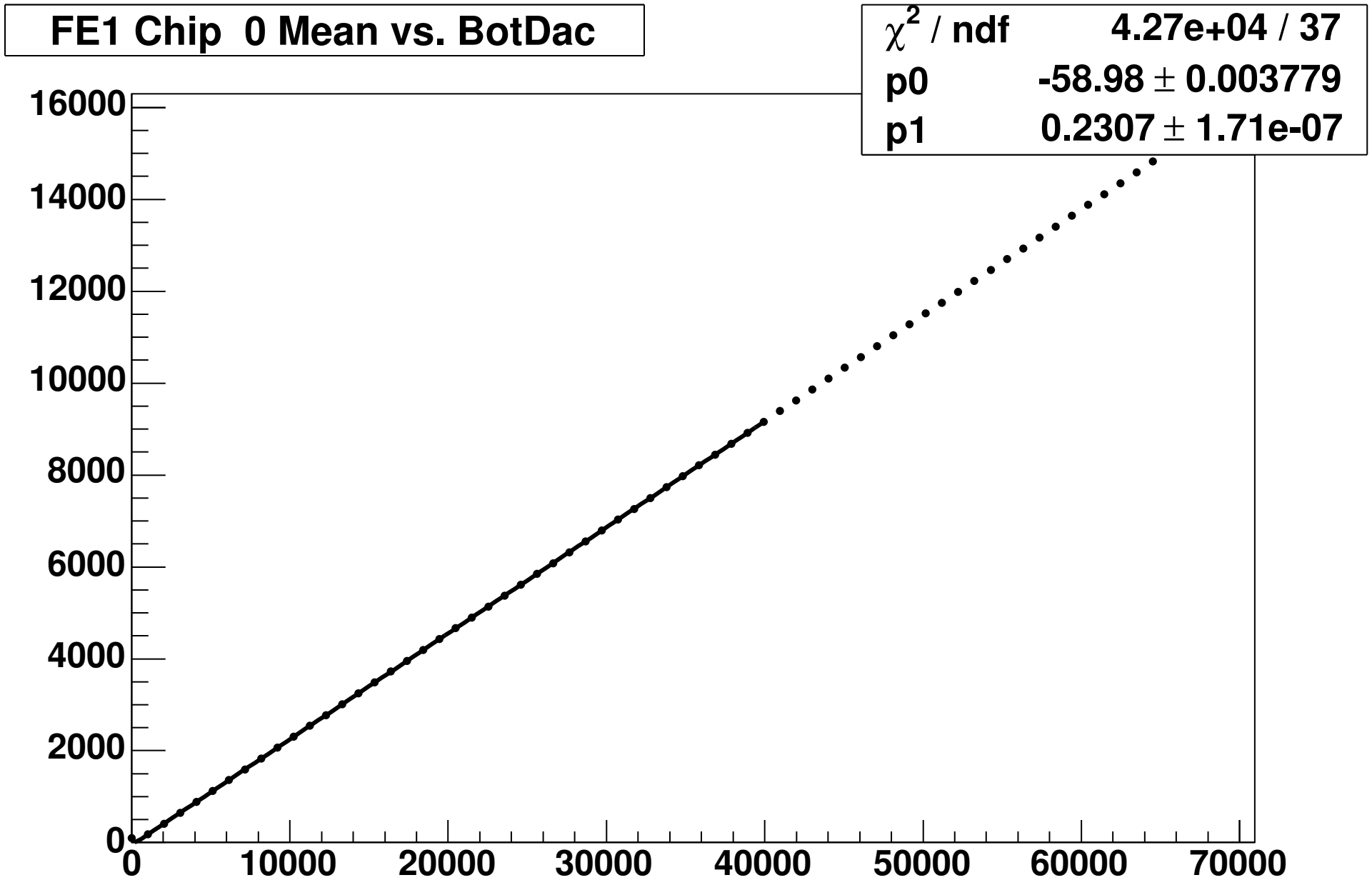
FE1 Chip 0 Mean vs. BotDac
χ² / ndf 4.27e+04 / 37
p0 -58.98 ± 0.003779
p1 0.2307 ± 1.71e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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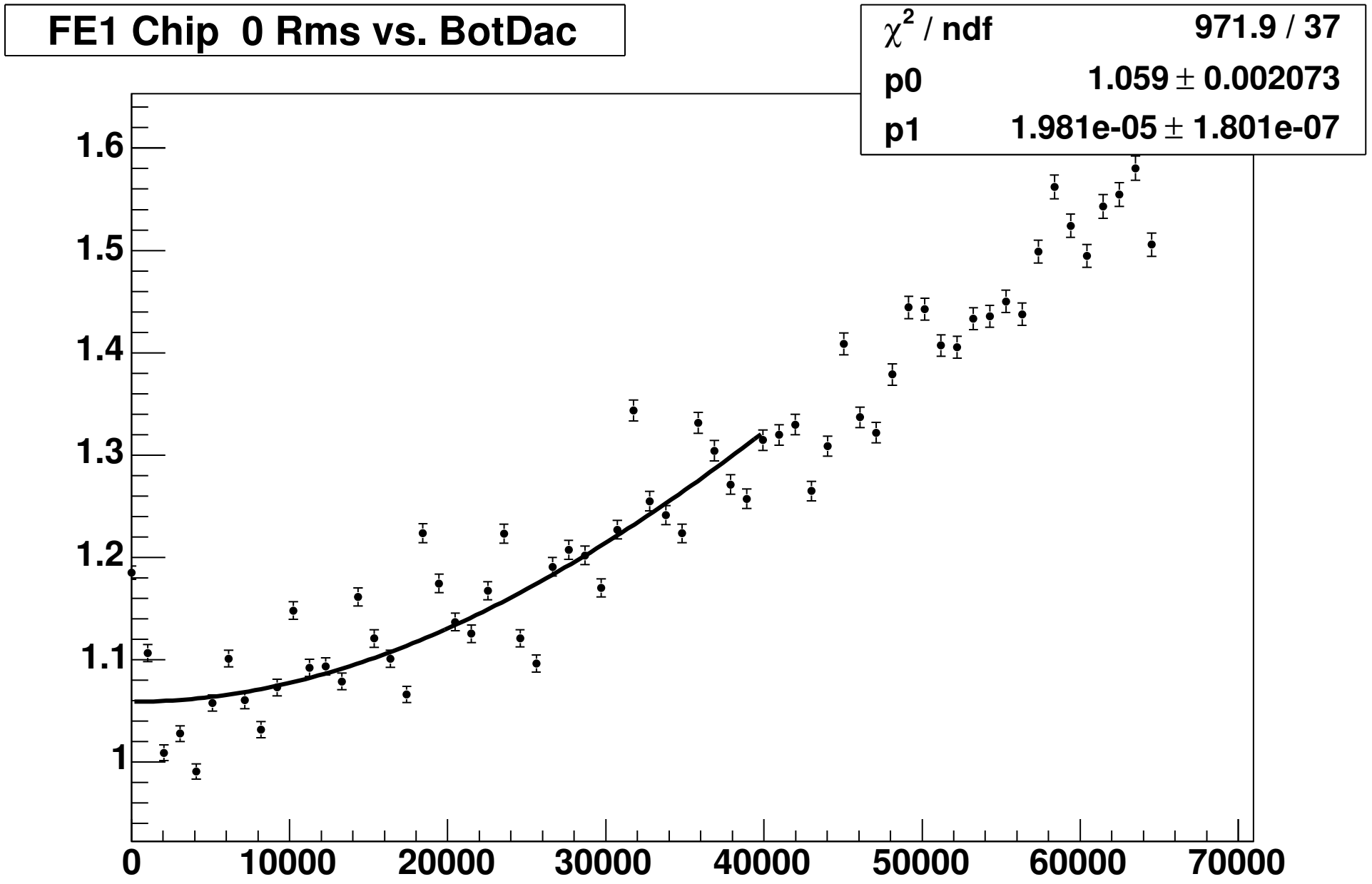
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 971.9 / 37
p0 1.059 ± 0.002073
p1 1.981e-05 ± 1.801e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
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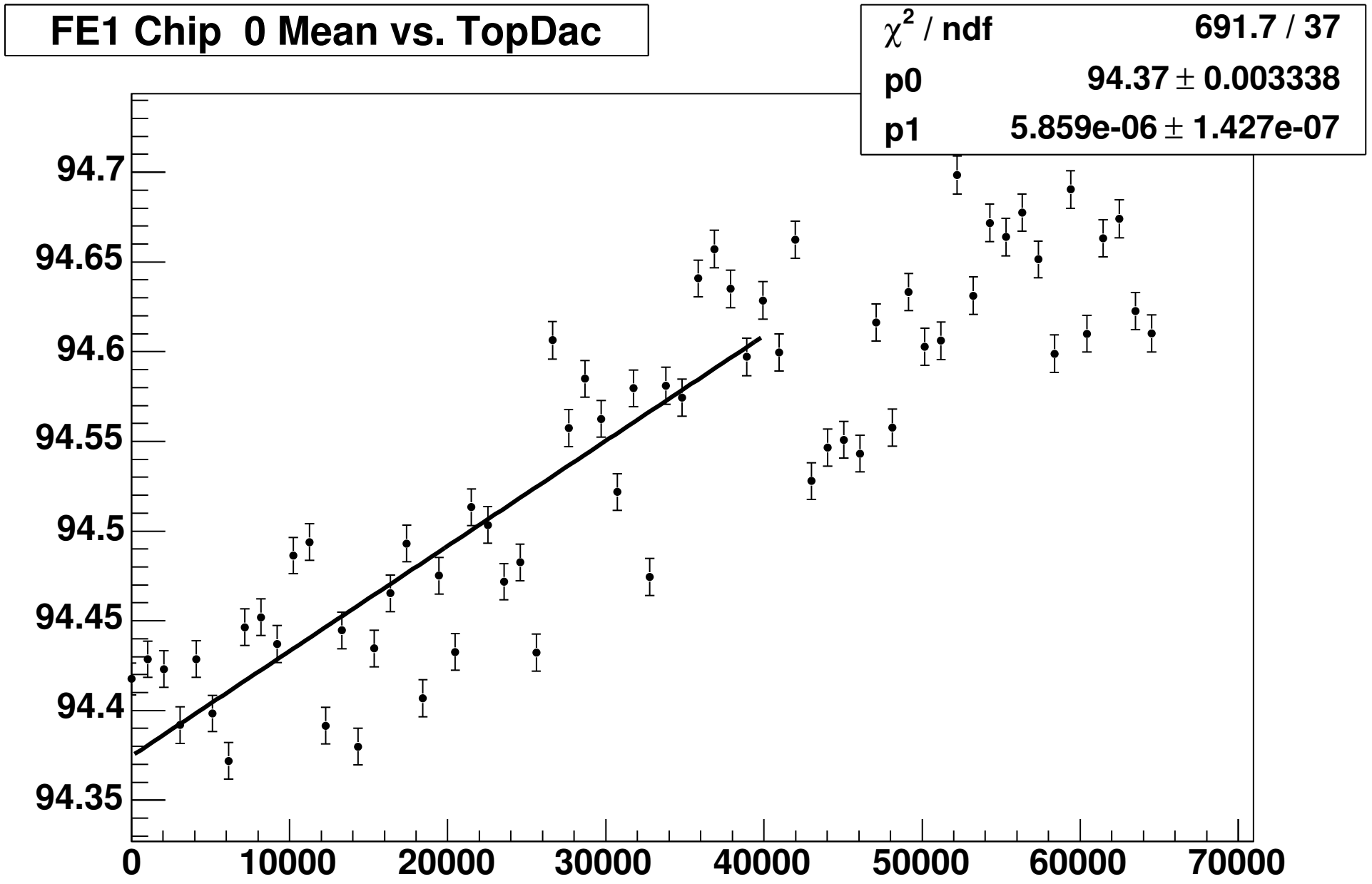
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 691.7 / 37
p0 94.37 ± 0.003338
p1 5.859e-06 ± 1.427e-07
94.7
94.65
94.6
94.55
94.5
94.45
94.4
94.35
0
10000
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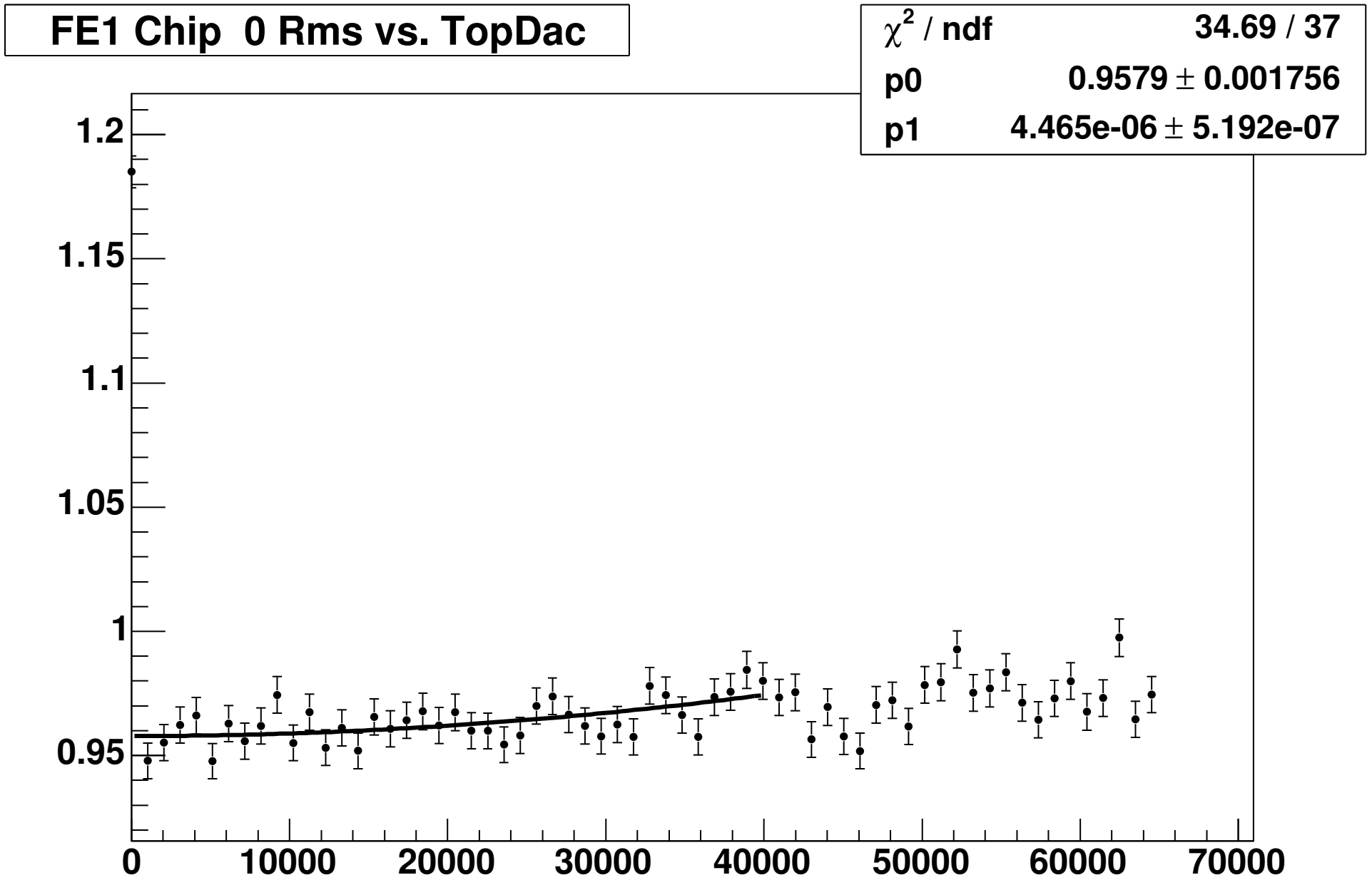
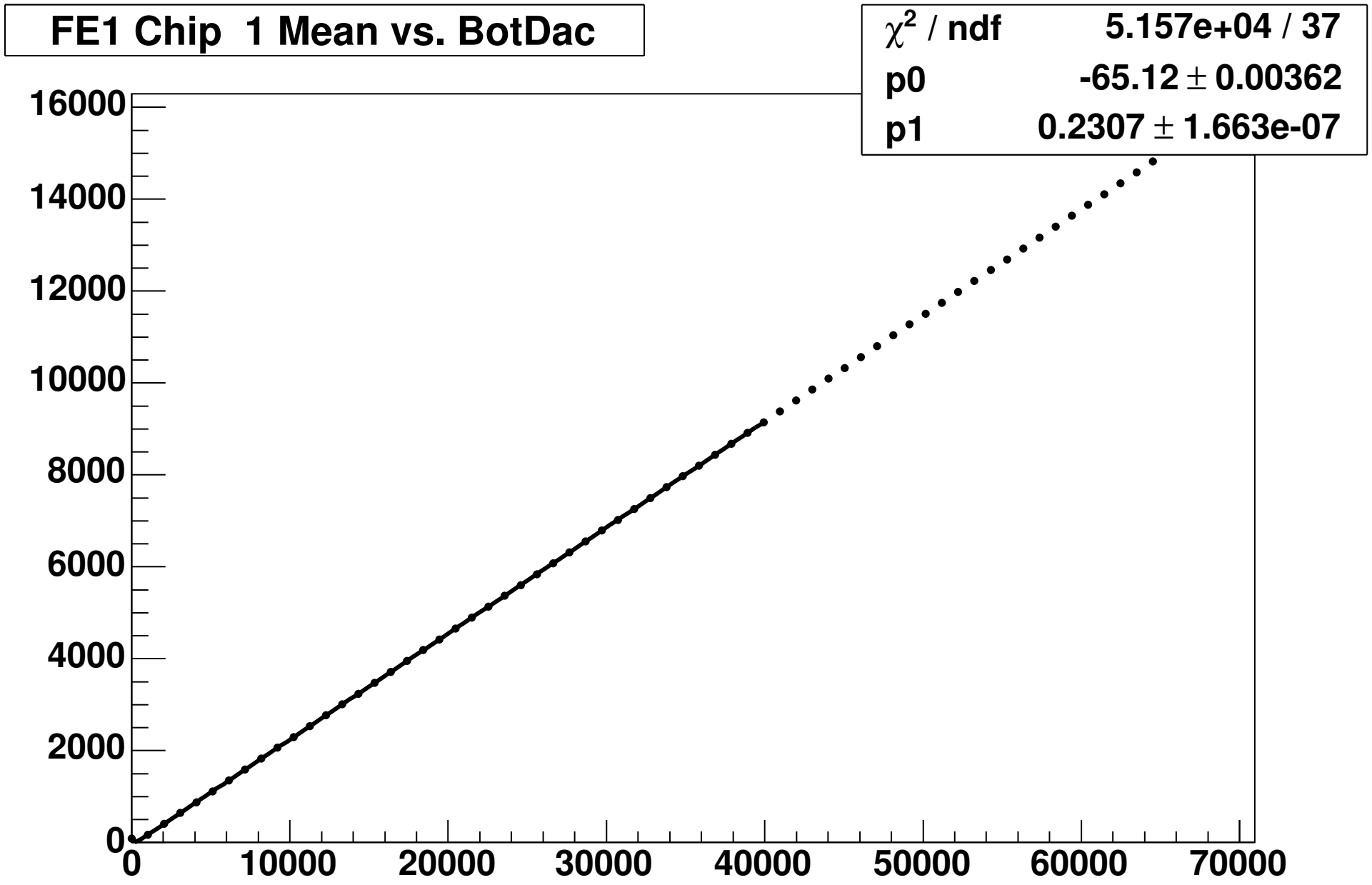
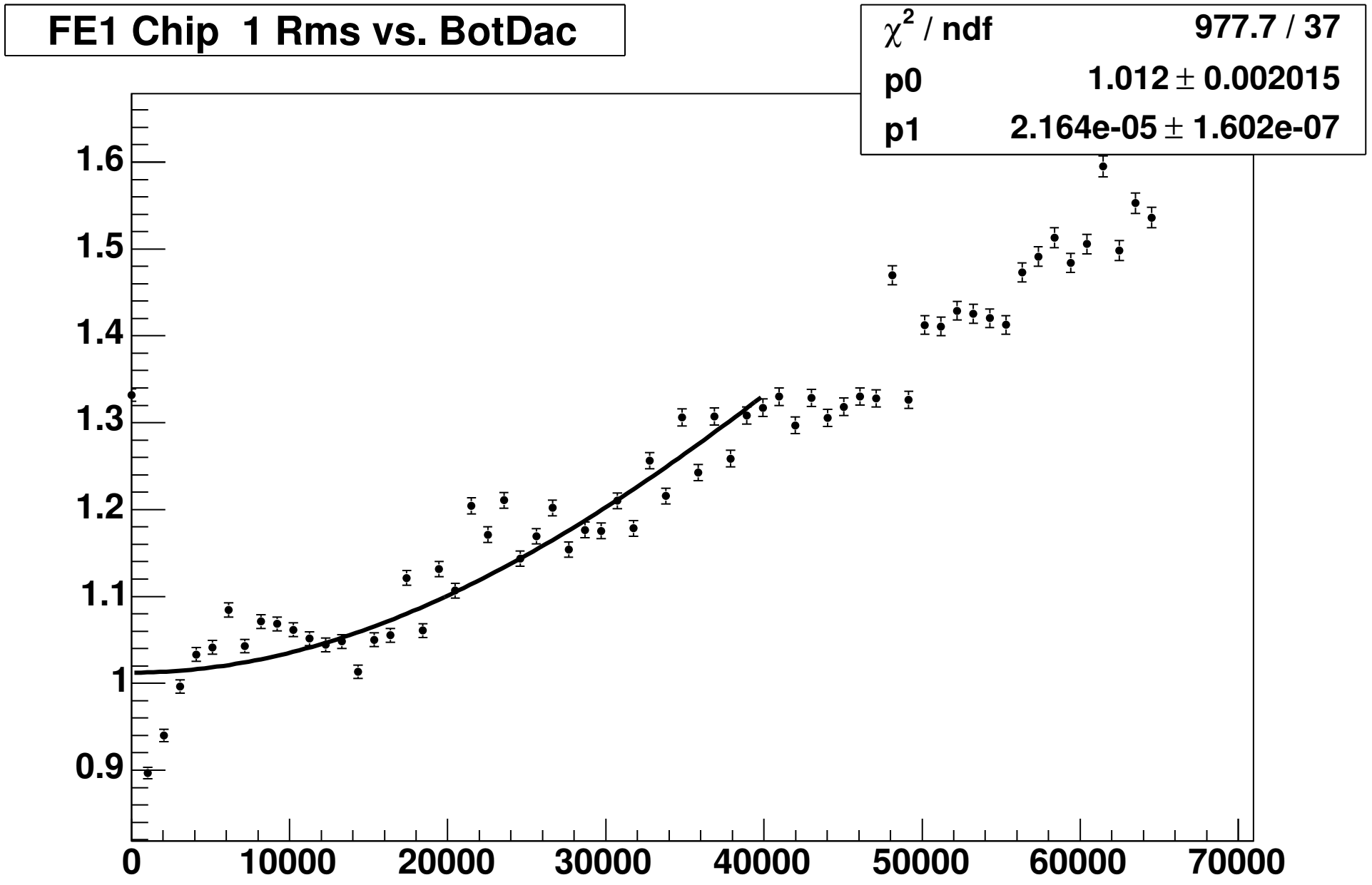
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 34.69 / 37
p0 0.9579 ± 0.001756
p1 4.465e-06 ± 5.192e-07
1.2
1.15
1.1
1.05
1
0.95
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 5.157e+04 / 37
p0 -65.12 ± 0.00362
p1 0.2307 ± 1.663e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 977.7 / 37
p0 1.012 ± 0.002015
p1 2.164e-05 ± 1.602e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
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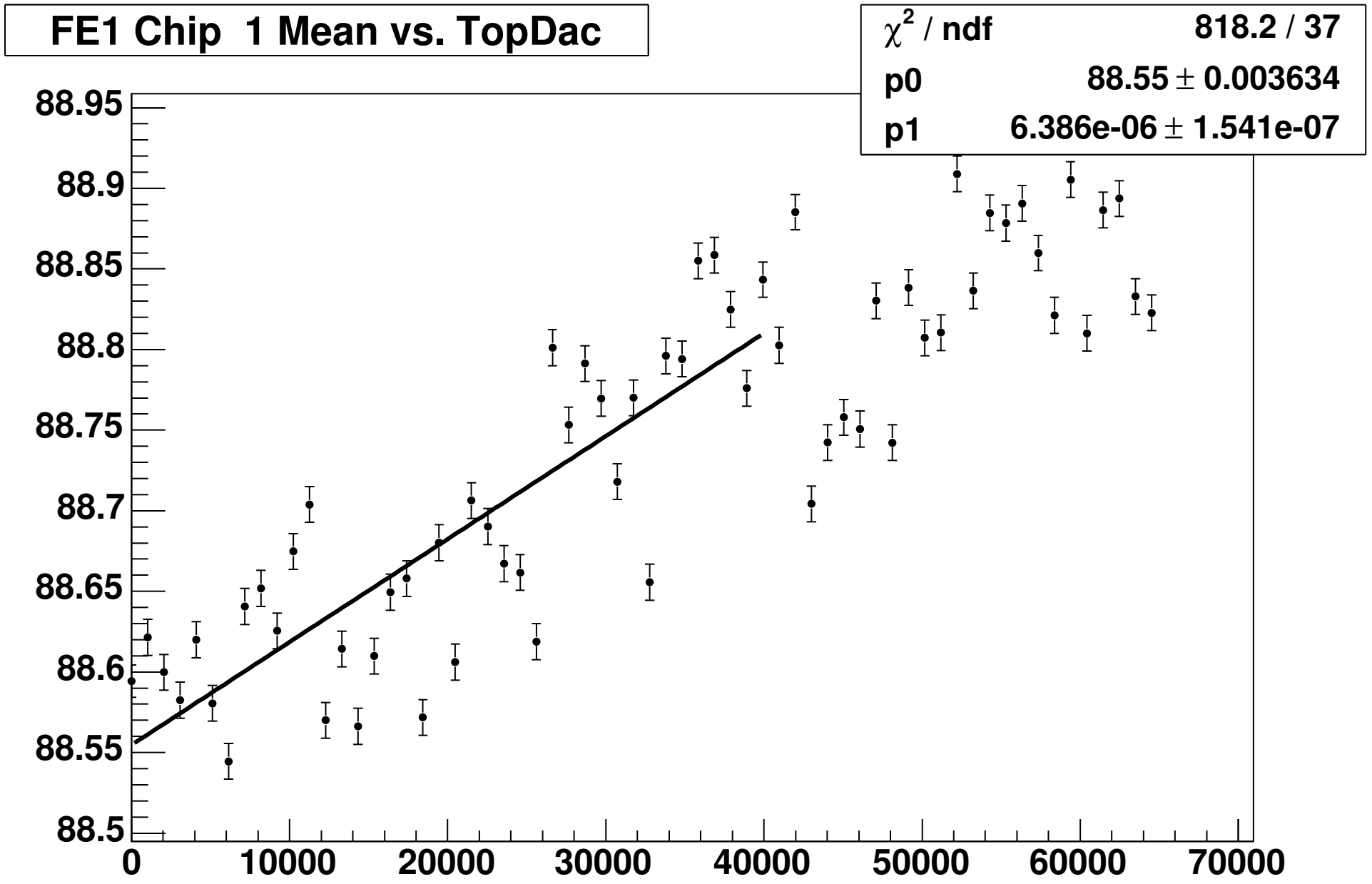
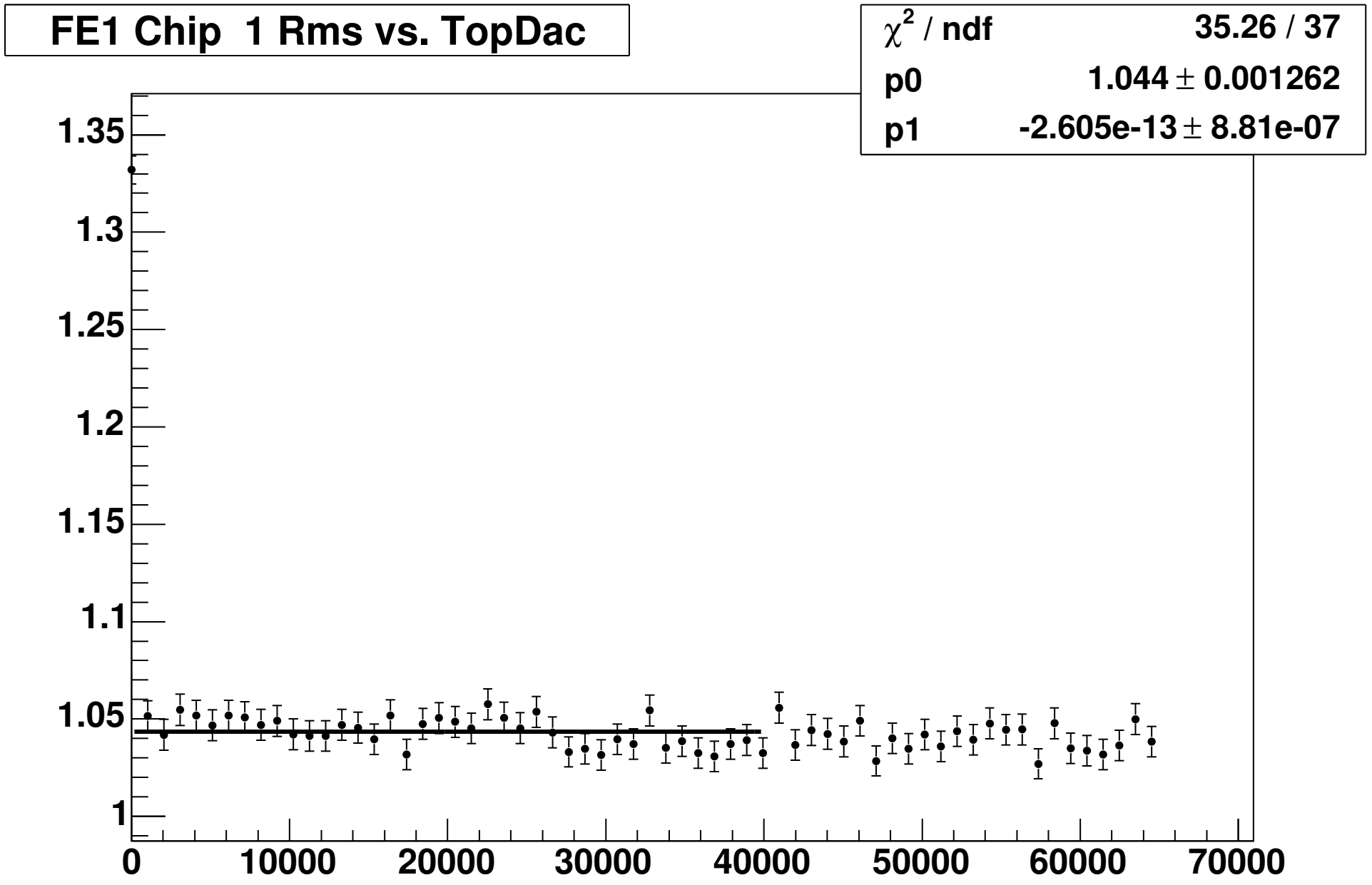
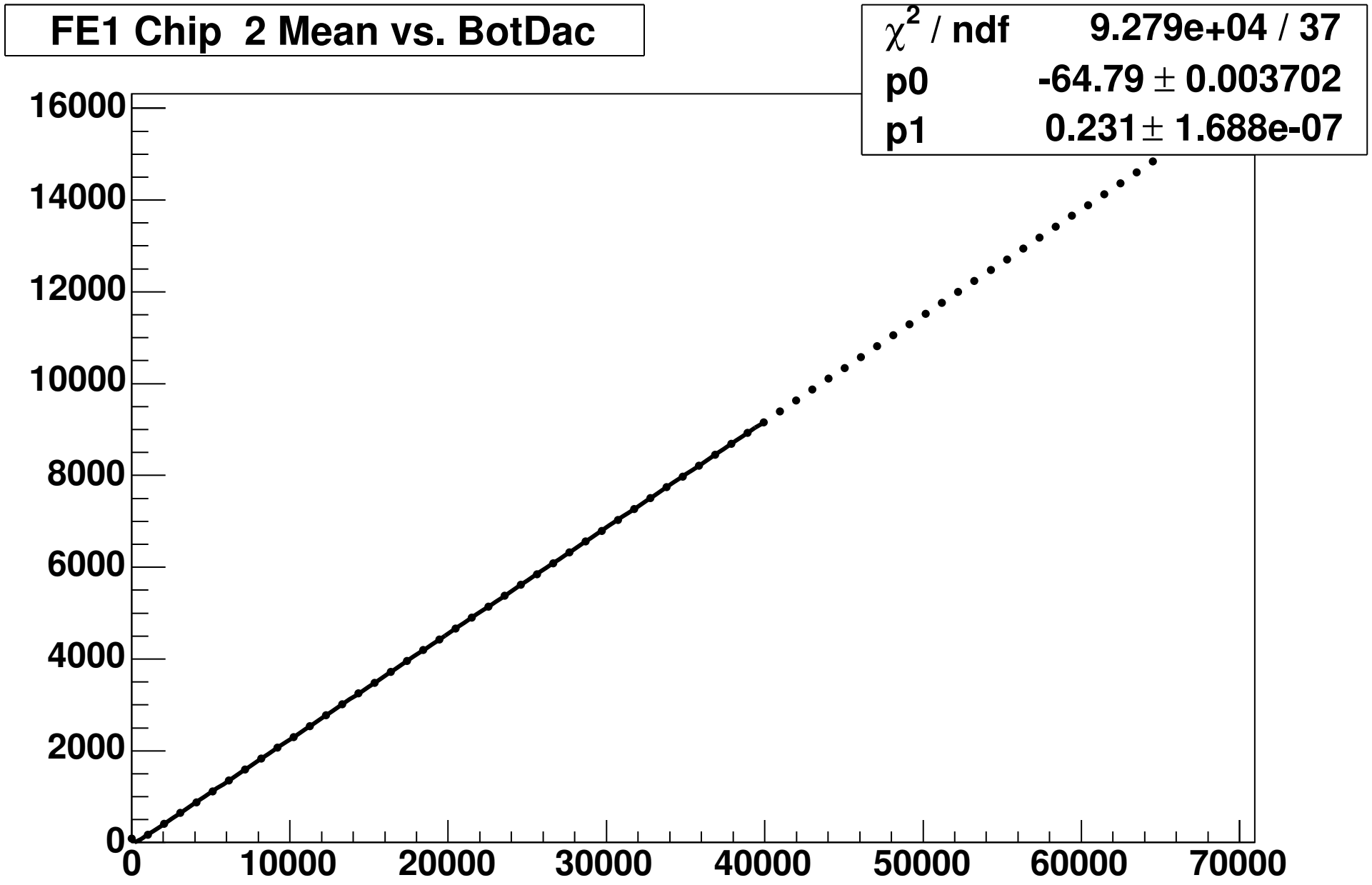
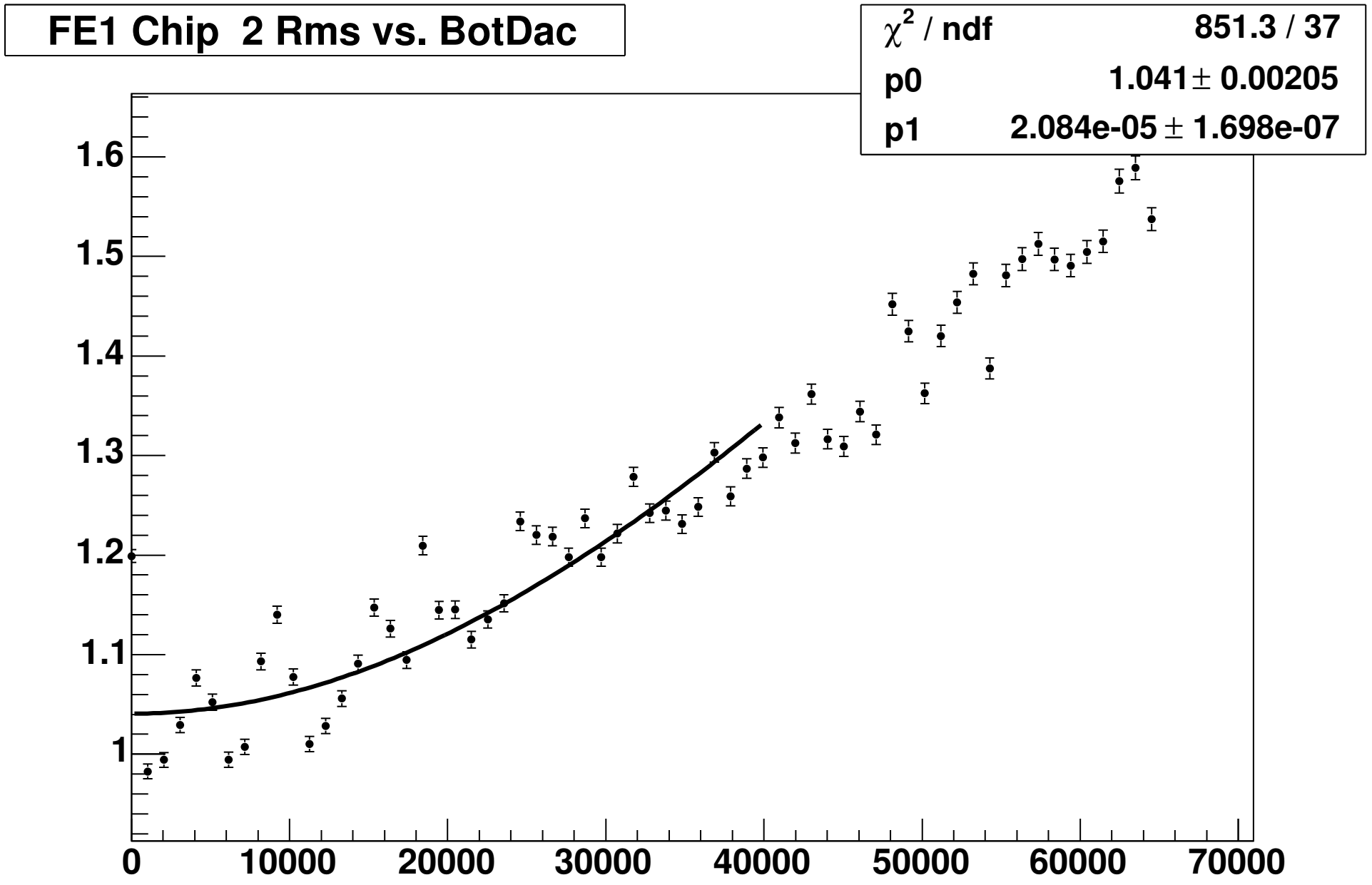
50000
60000
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 818.2 / 37
p0 88.55 ± 0.003634
p1 6.386e-06 ± 1.541e-07
88.95
88.9
88.85
88.8
88.75
88.7
88.65
88.6
88.55
88.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 35.26 / 37
p0 1.044 ± 0.001262
p1 -2.605e-13 ± 8.81e-07
1.35
1.3
1.25
1.2
1.15
1.1
1.05
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 9.279e+04 / 37
p0 -64.79 ± 0.003702
p1 0.231 ± 1.688e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 851.3 / 37
p0 1.041 ± 0.00205
p1 2.084e-05 ± 1.698e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
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30000
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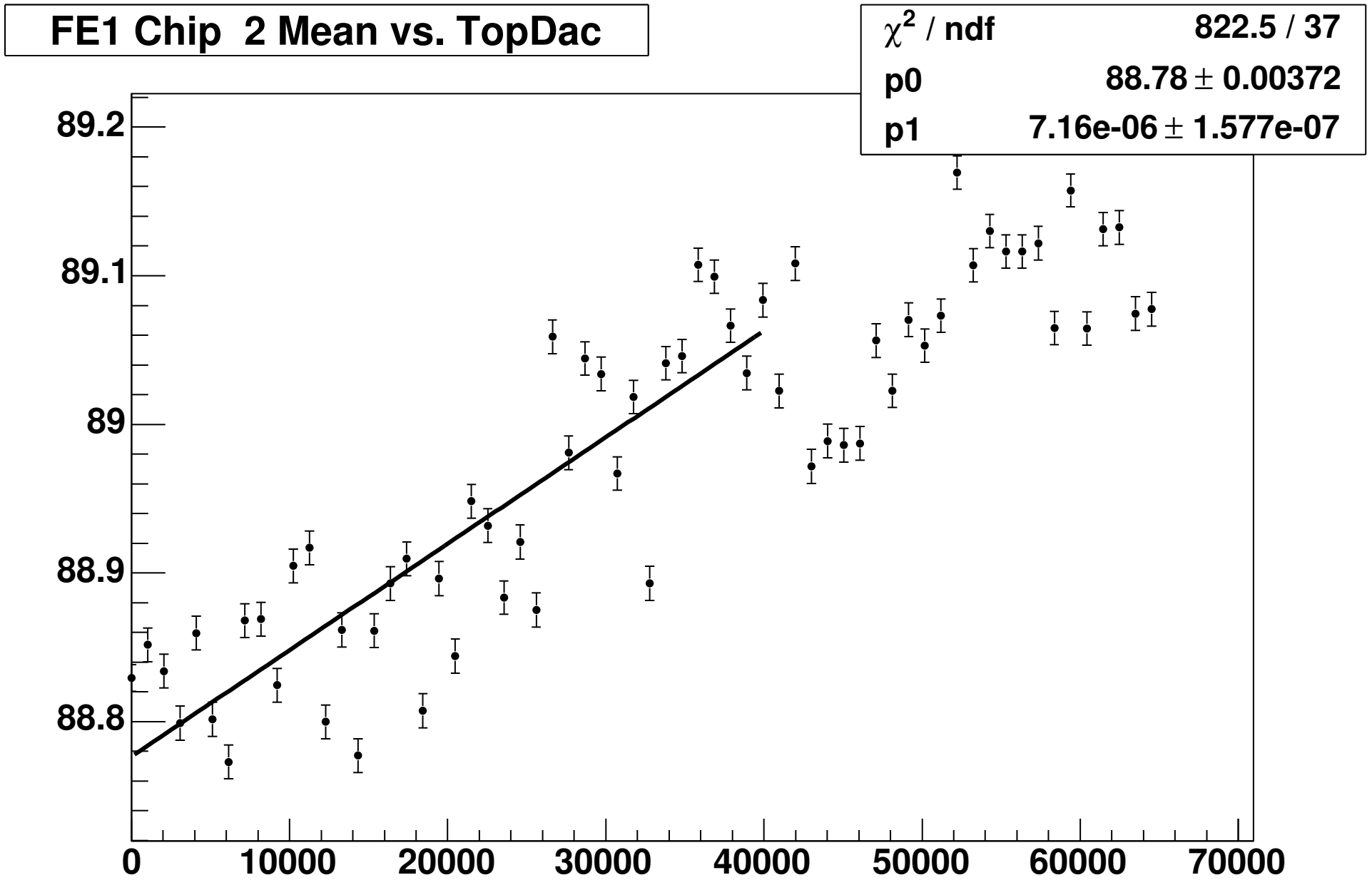
50000
60000
70000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 822.5 / 37
p0 88.78 ± 0.00372
p1 7.16e-06 ± 1.577e-07
89.2
89.1
89
88.9
88.8
0
10000
20000
30000
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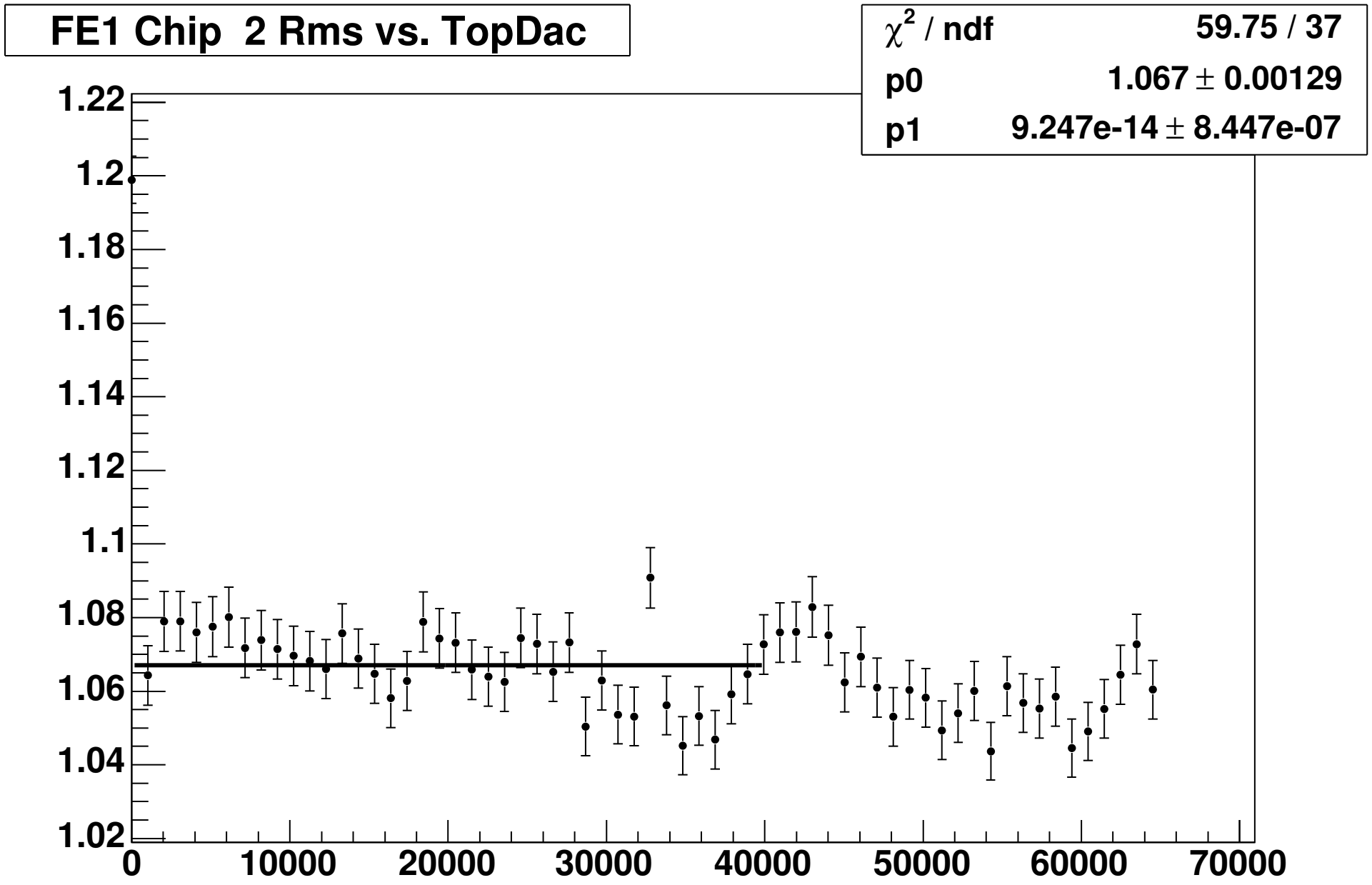
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 59.75 / 37
p0 1.067 ± 0.00129
p1 9.247e-14 ± 8.447e-07
1.22
1.2
1.18
1.16
1.14
1.12
1.1
1.08
1.06
1.04
1.02
0
10000
20000
30000
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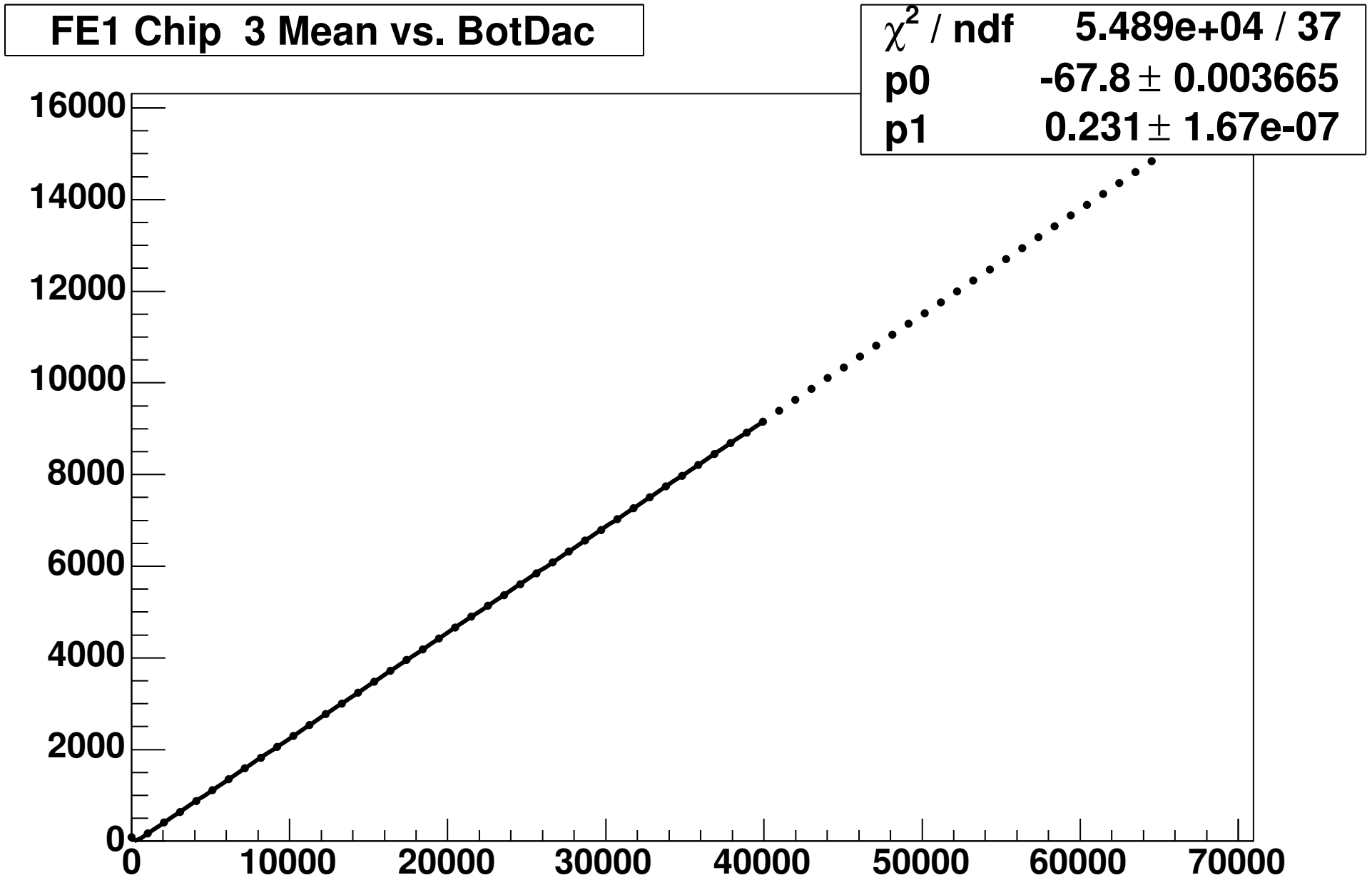
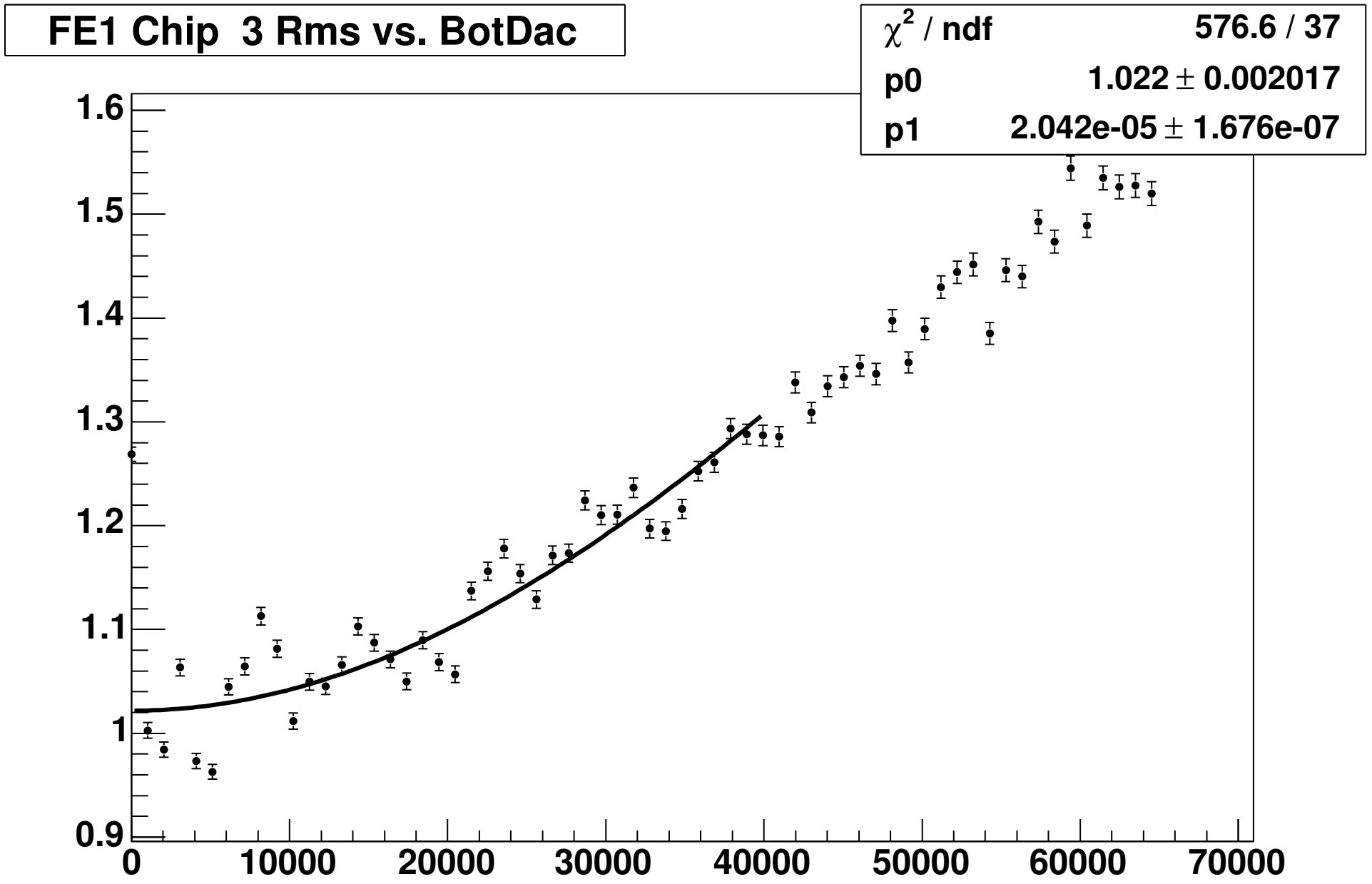

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 5.489e+04 / 37
p0 -67.8 ± 0.003665
p1 0.231 ± 1.67e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 576.6 / 37
p0 1.022 ± 0.002017
p1 2.042e-05 ± 1.676e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
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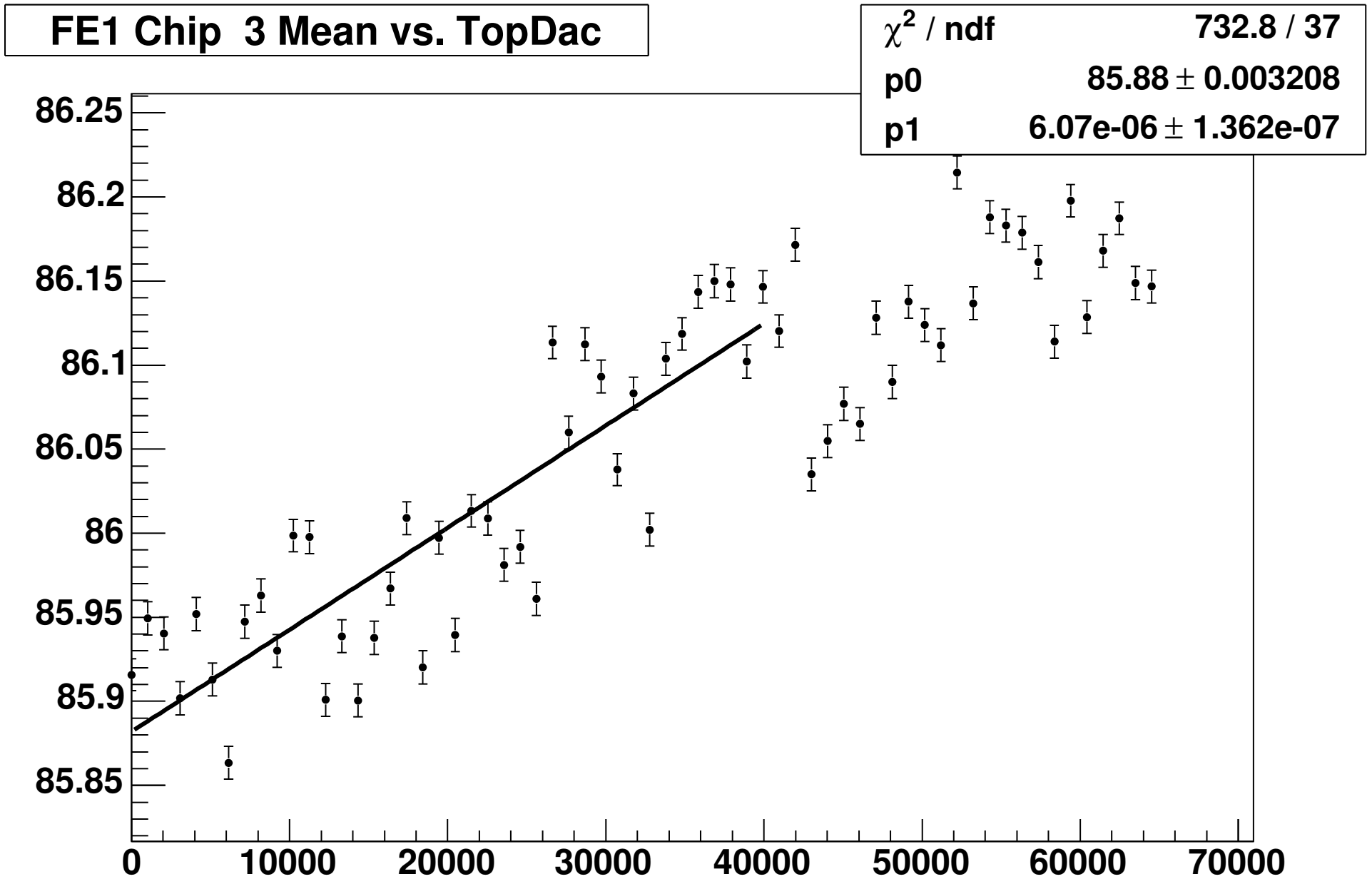
FE1 Chip 3 Mean vs. TopDac
χ² / ndf 732.8 / 37
p0 85.88 ± 0.003208
p1 6.07e-06 ± 1.362e-07
86.25
86.2
86.15
86.1
86.05
86
85.95
85.9
85.85
0
10000
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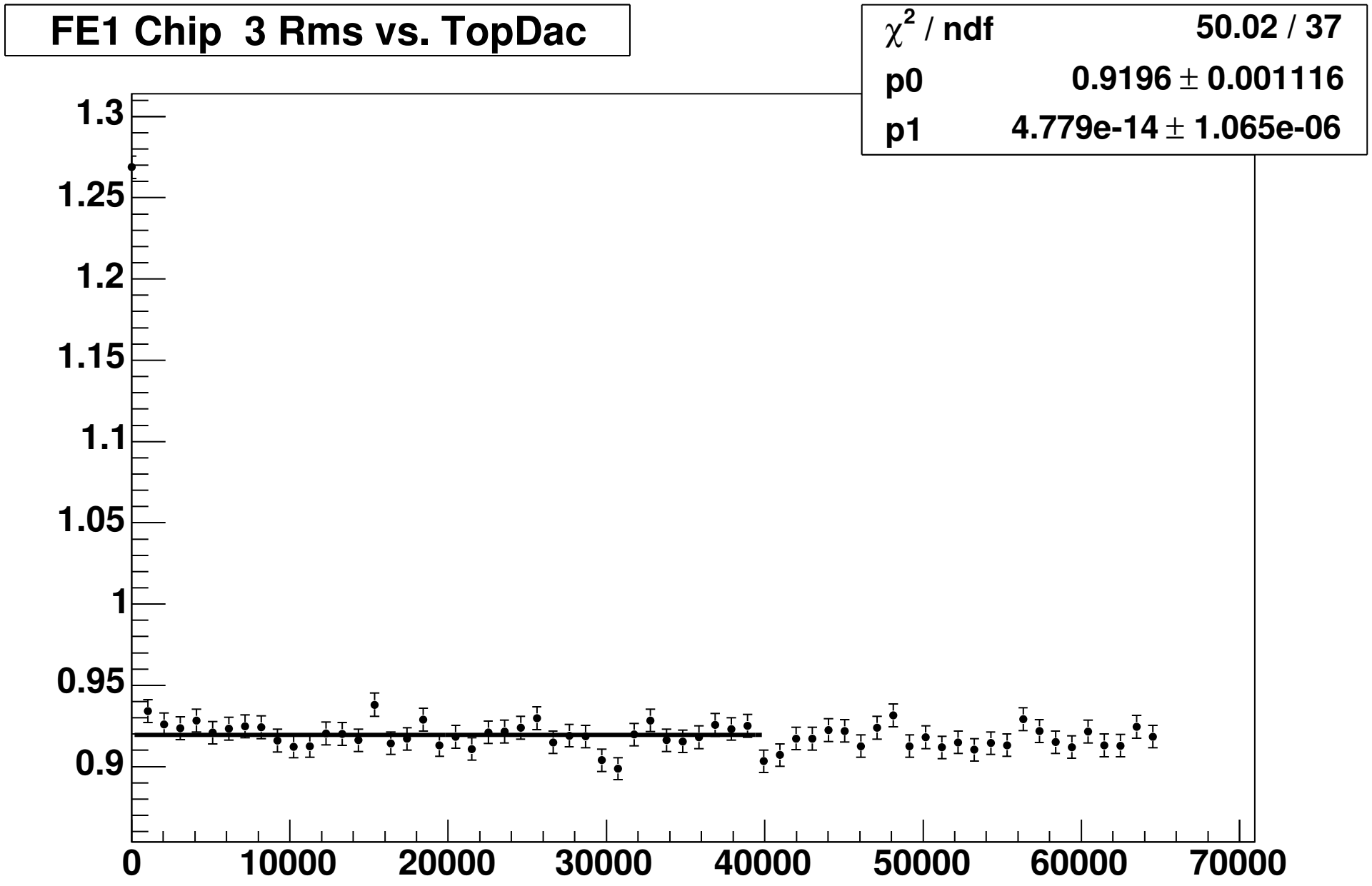
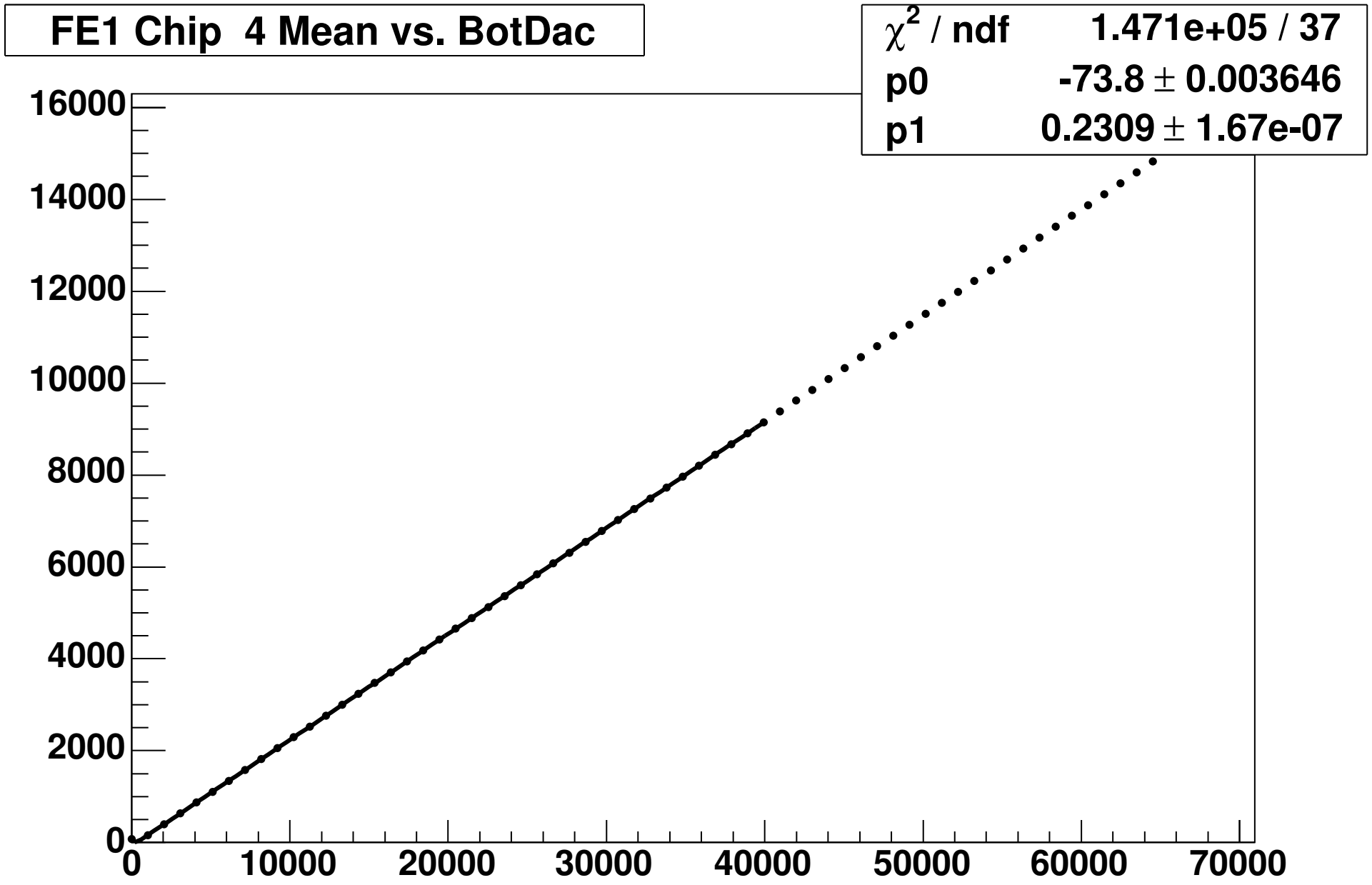
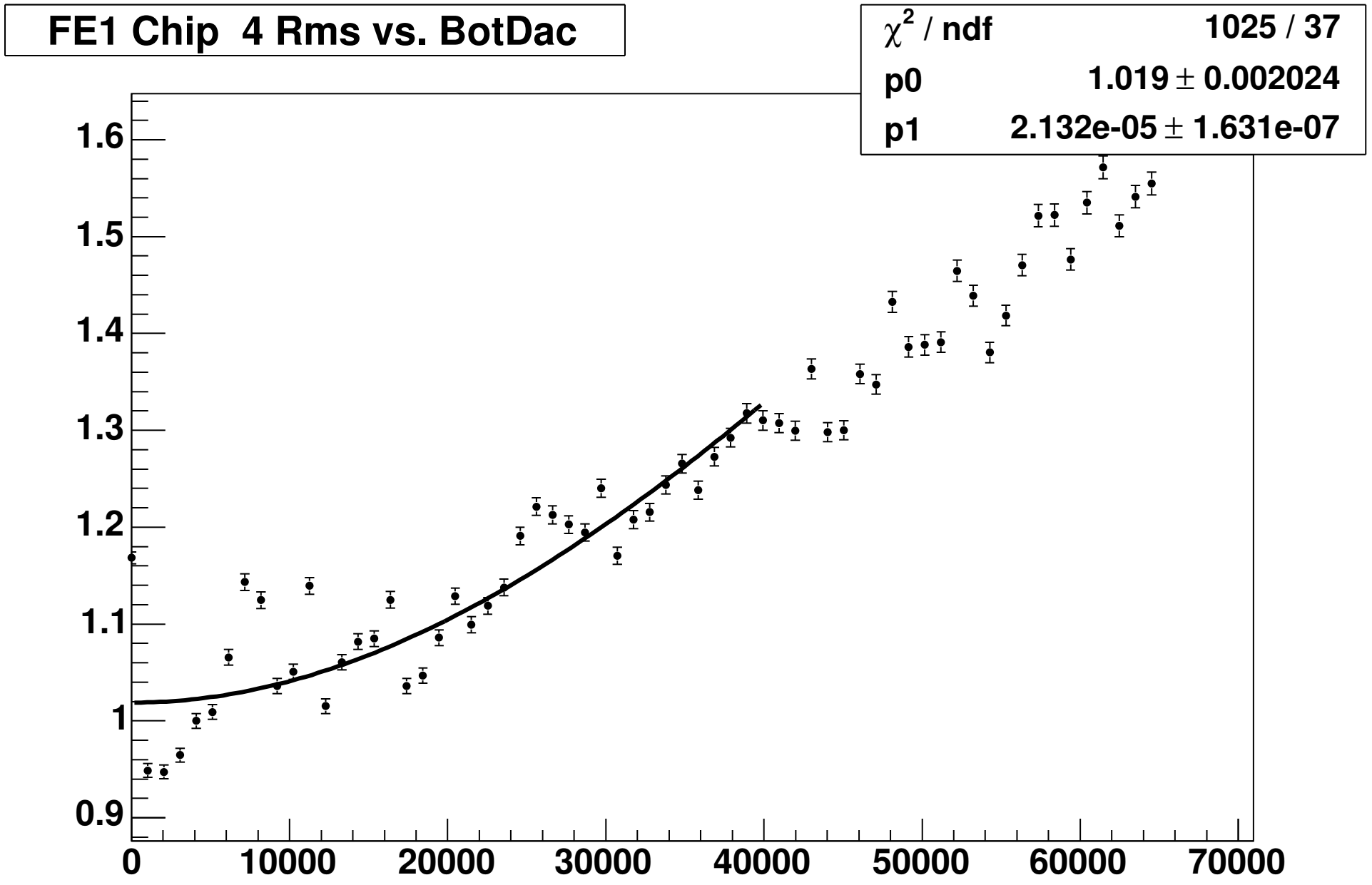
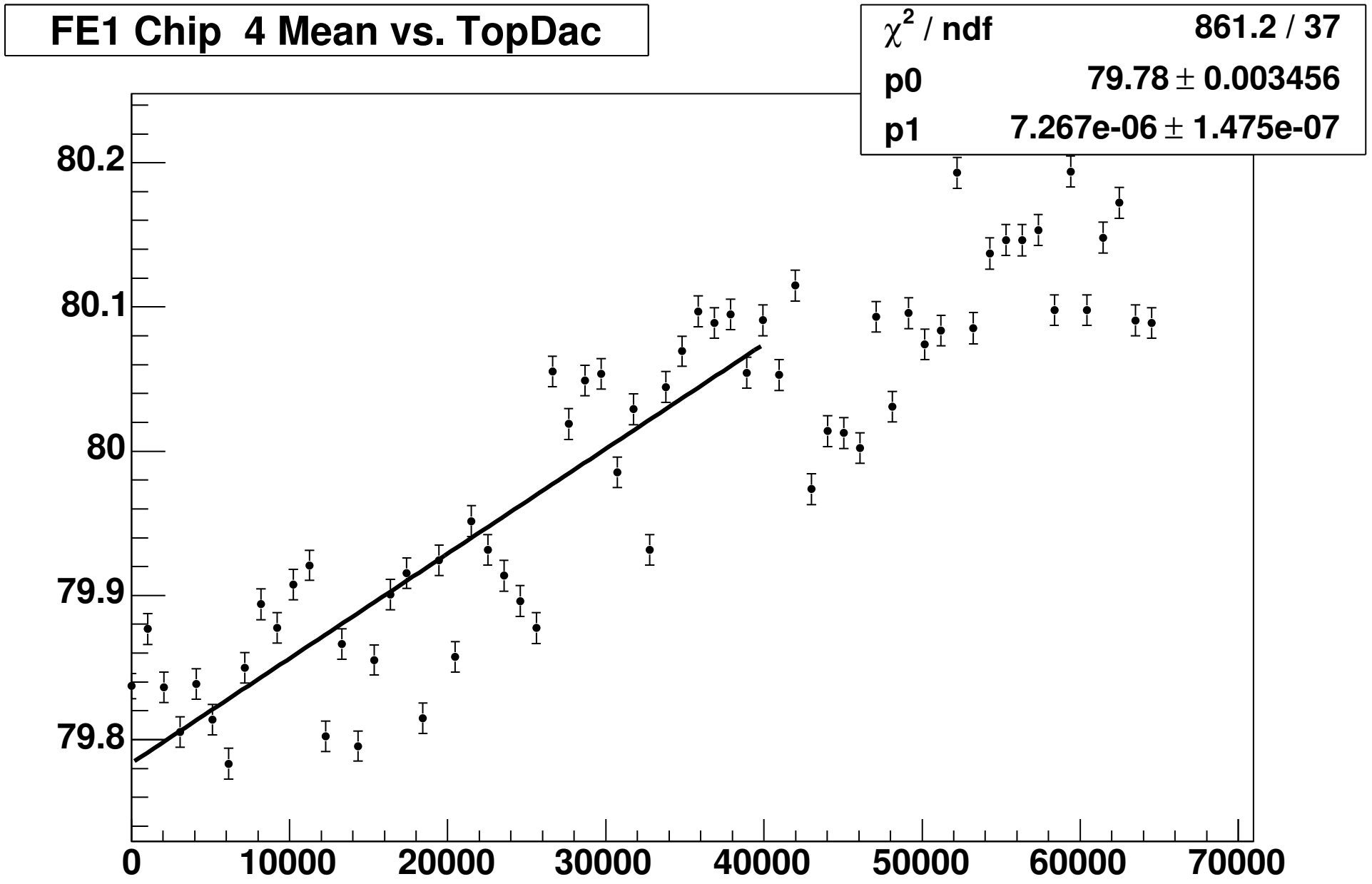
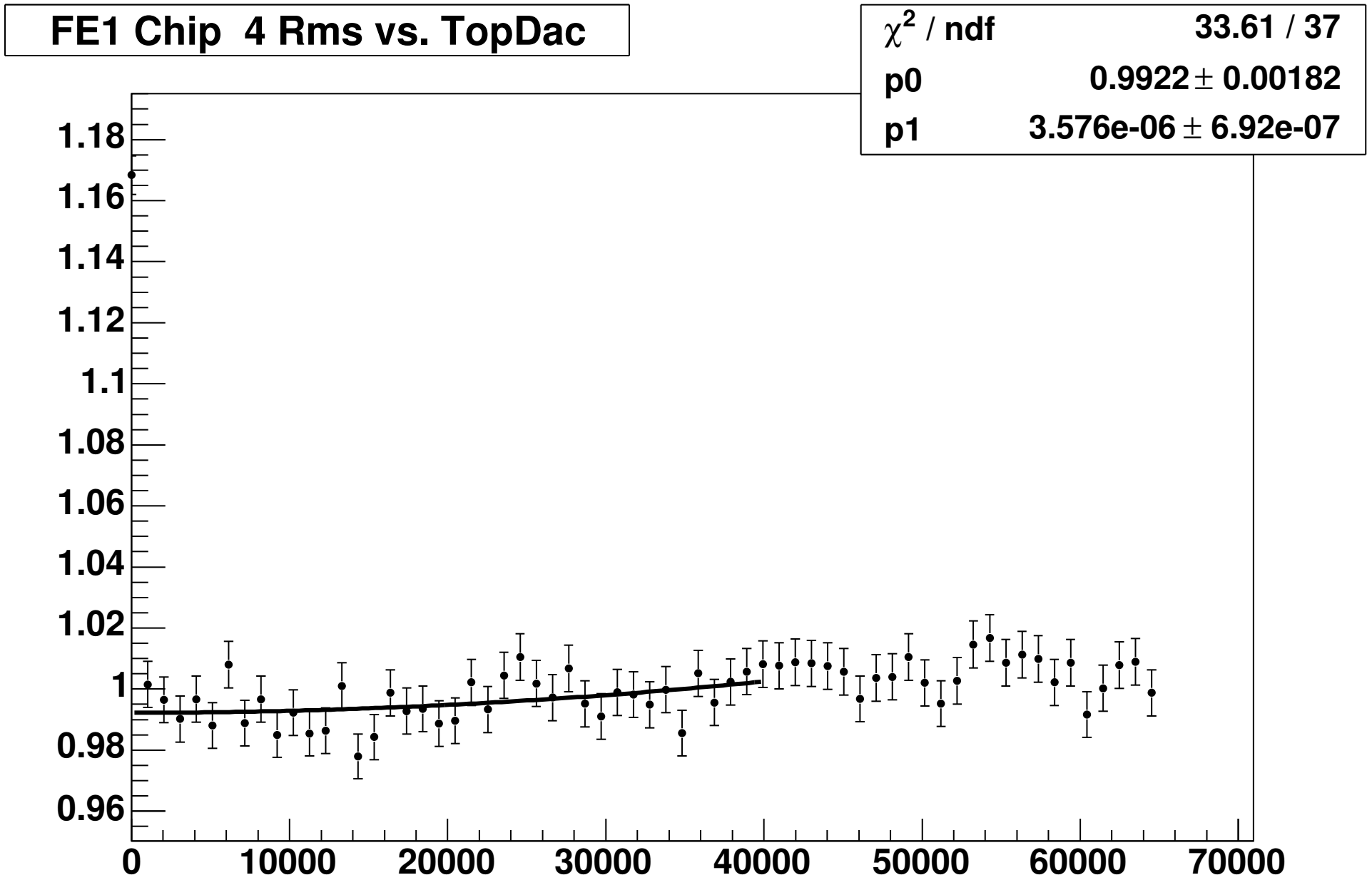
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 50.02 / 37
p0 0.9196 ± 0.001116
p1 4.779e-14 ± 1.065e-06
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.471e+05 / 37
p0 -73.8 ± 0.003646
p1 0.2309 ± 1.67e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1025 / 37
p0 1.019 ± 0.002024
p1 2.132e-05 ± 1.631e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 861.2 / 37
p0 79.78 ± 0.003456
p1 7.267e-06 ± 1.475e-07
80.2
80.1
80
79.9
79.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 33.61 / 37
p0 0.9922 ± 0.00182
p1 3.576e-06 ± 6.92e-07
1.18
1.16
1.14
1.12
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
0
10000
20000
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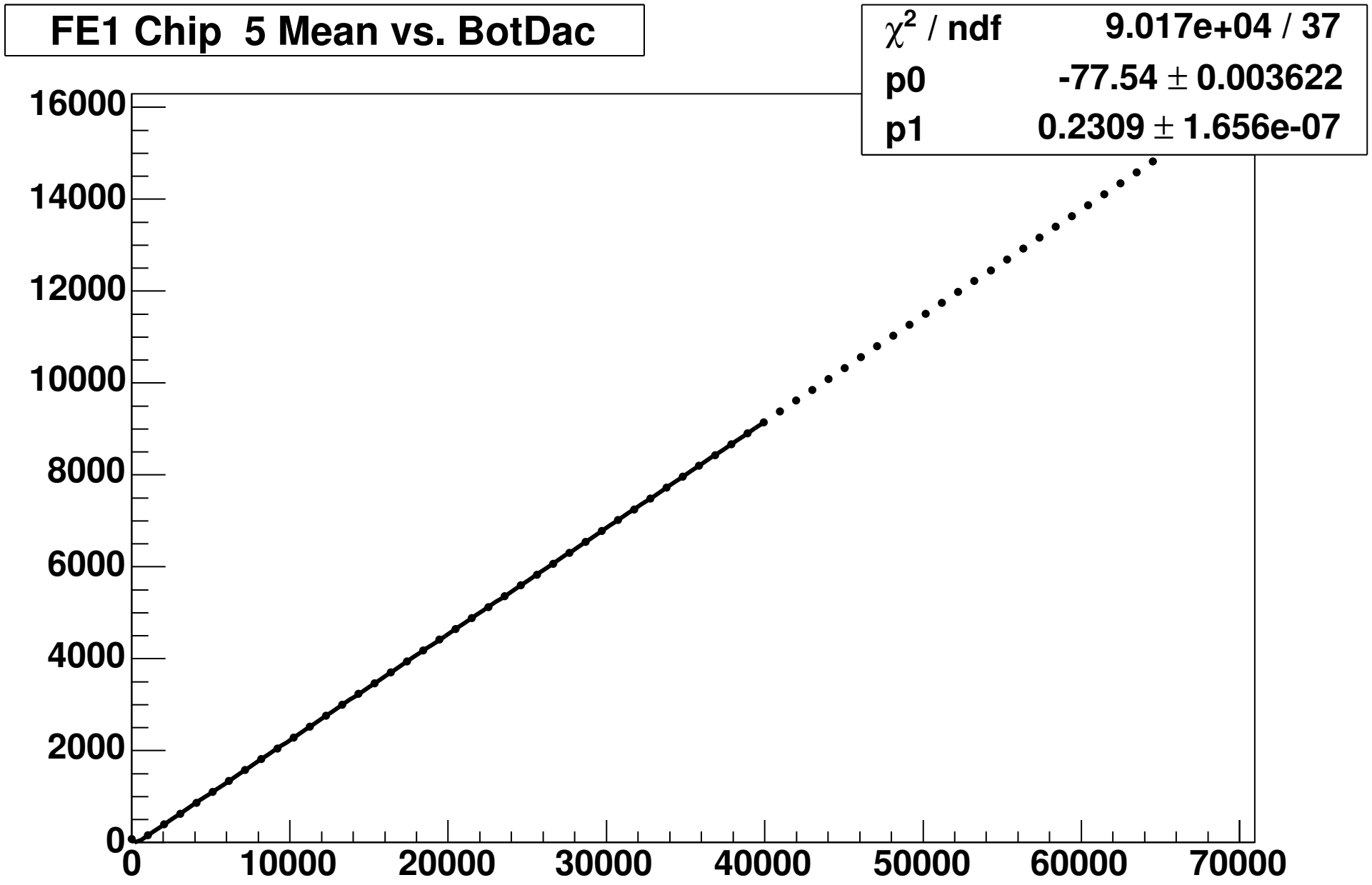
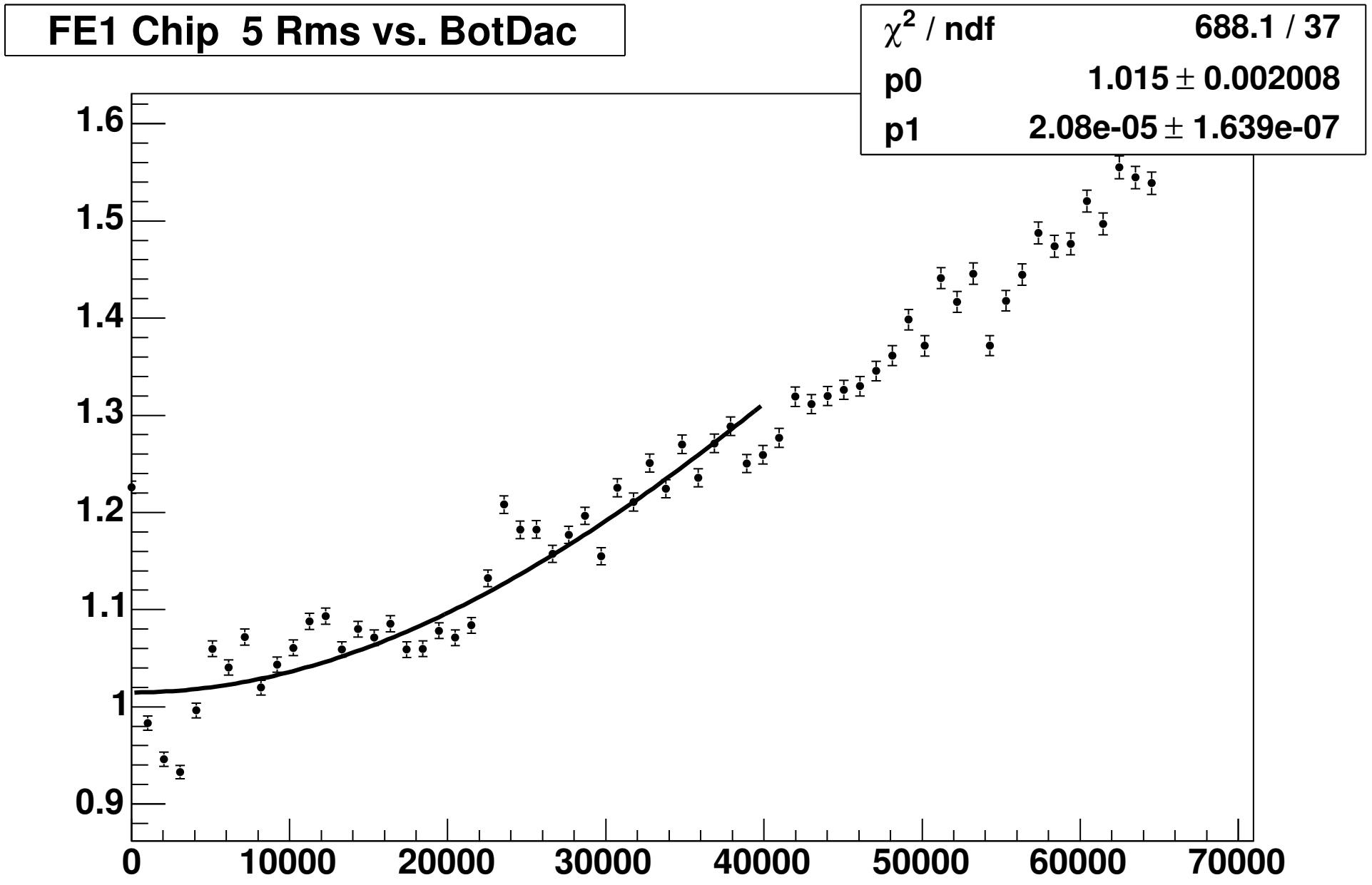

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 9.017e+04 / 37
p0 -77.54 ± 0.003622
p1 0.2309 ± 1.656e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 688.1 / 37
p0 1.015 ± 0.002008
p1 2.08e-05 ± 1.639e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
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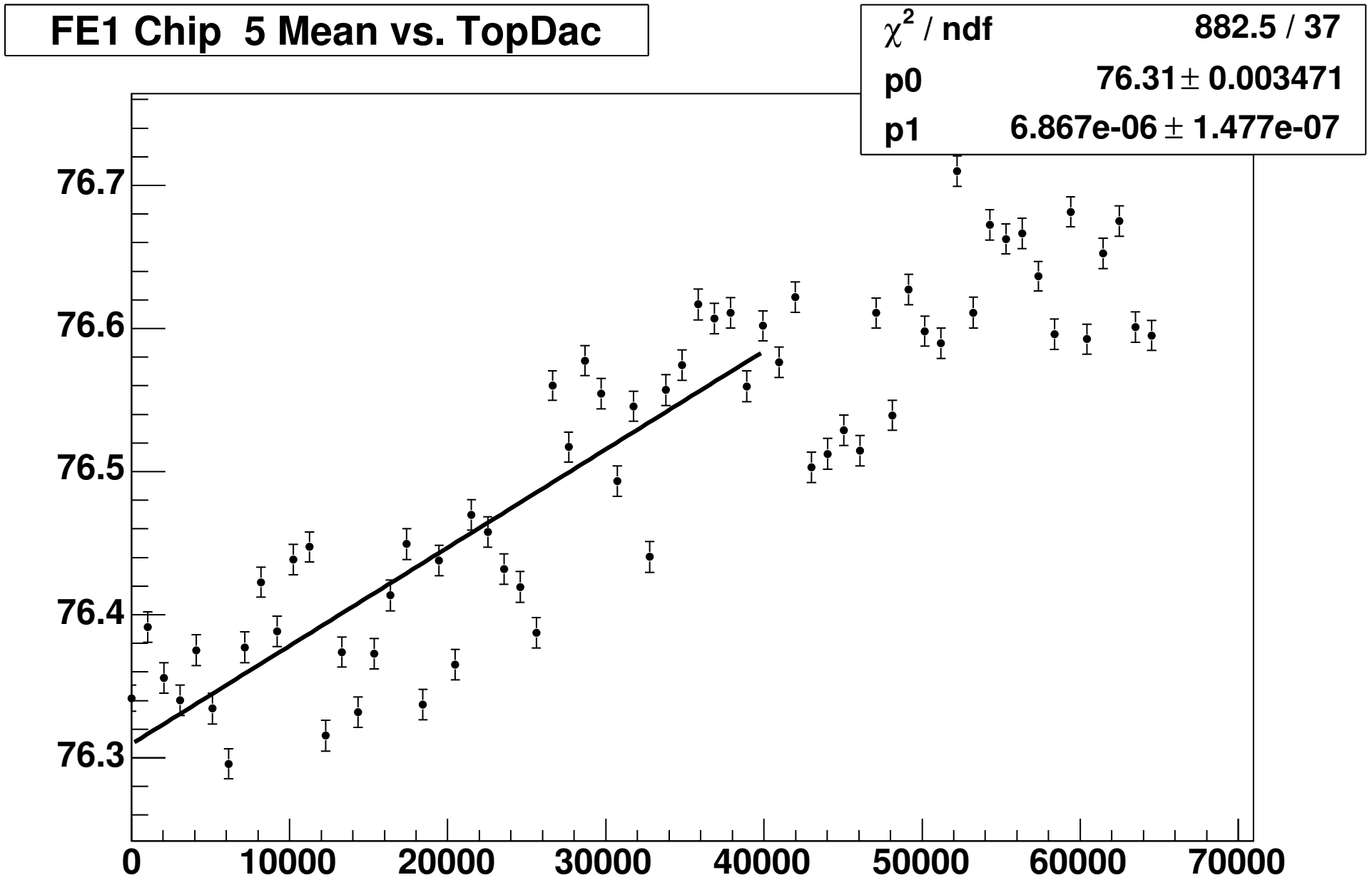
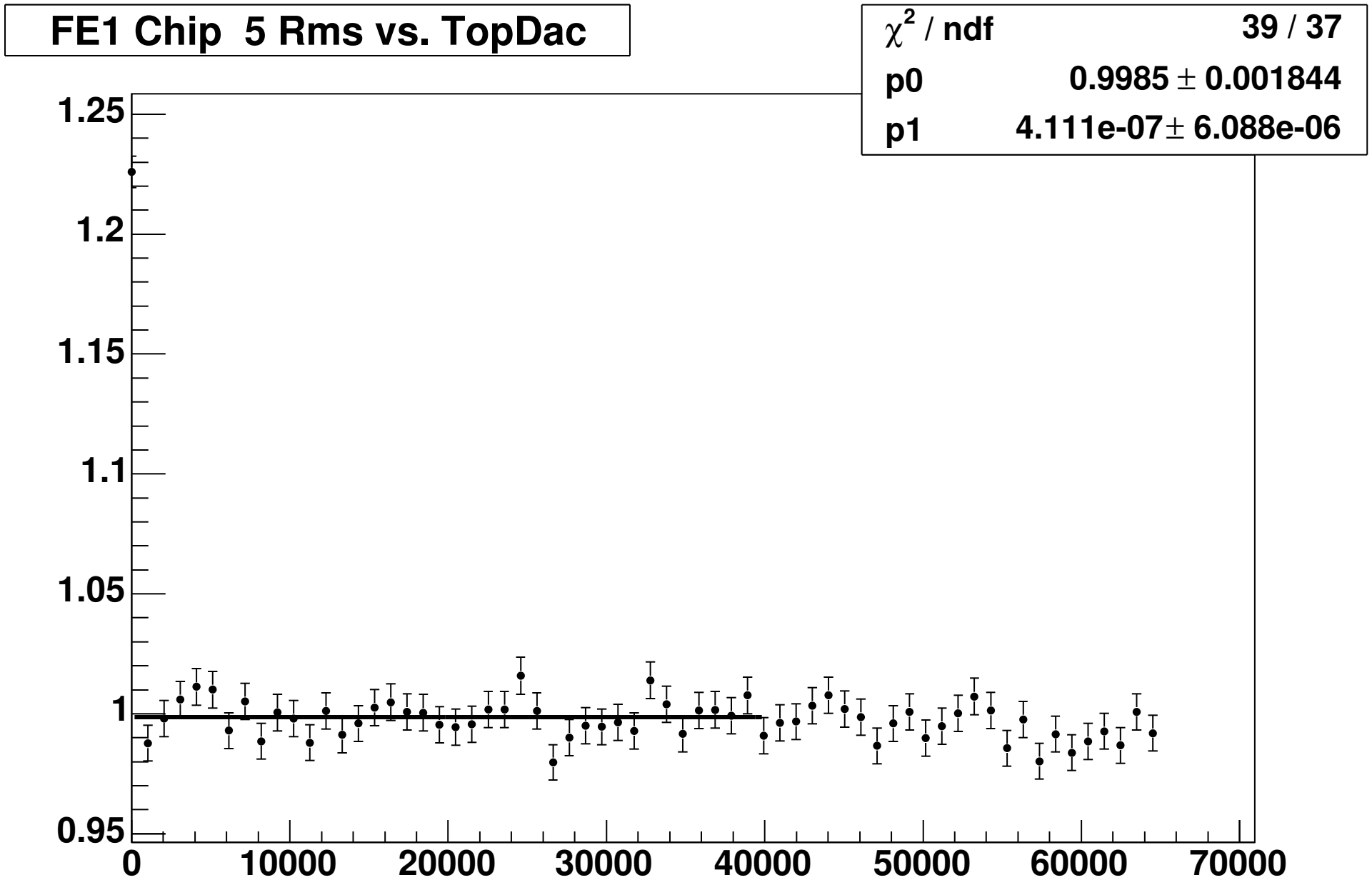

FE1 Chip 5 Mean vs. TopDac
χ² / ndf 882.5 / 37
p0 76.31 ± 0.003471
p1 6.867e-06 ± 1.477e-07
76.7
76.6
76.5
76.4
76.3
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 39 / 37
p0 0.9985 ± 0.001844
p1 4.111e-07 ± 6.088e-06
1.25
1.2
1.15
1.1
1.05
1
0.95
0
10000
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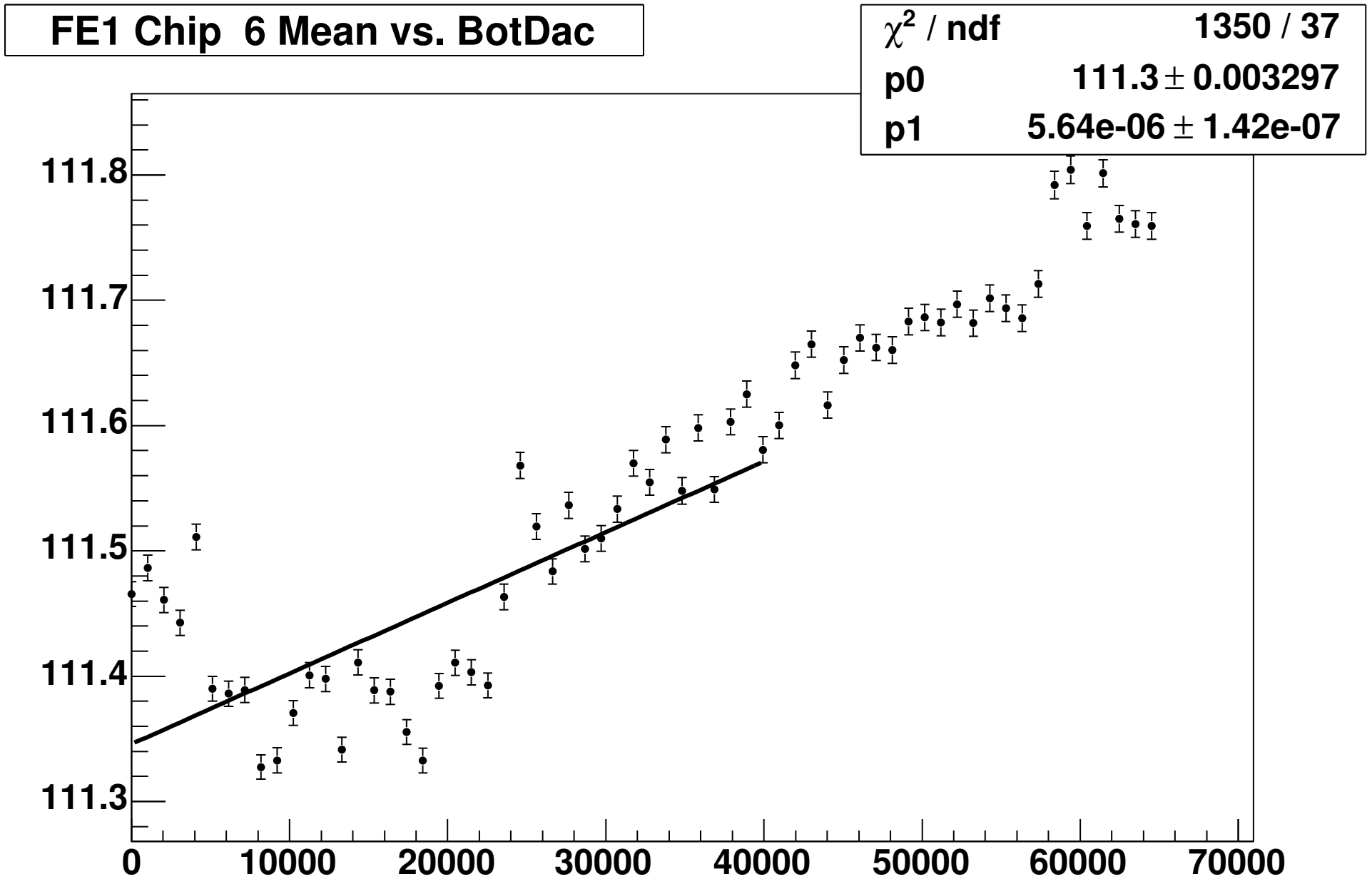
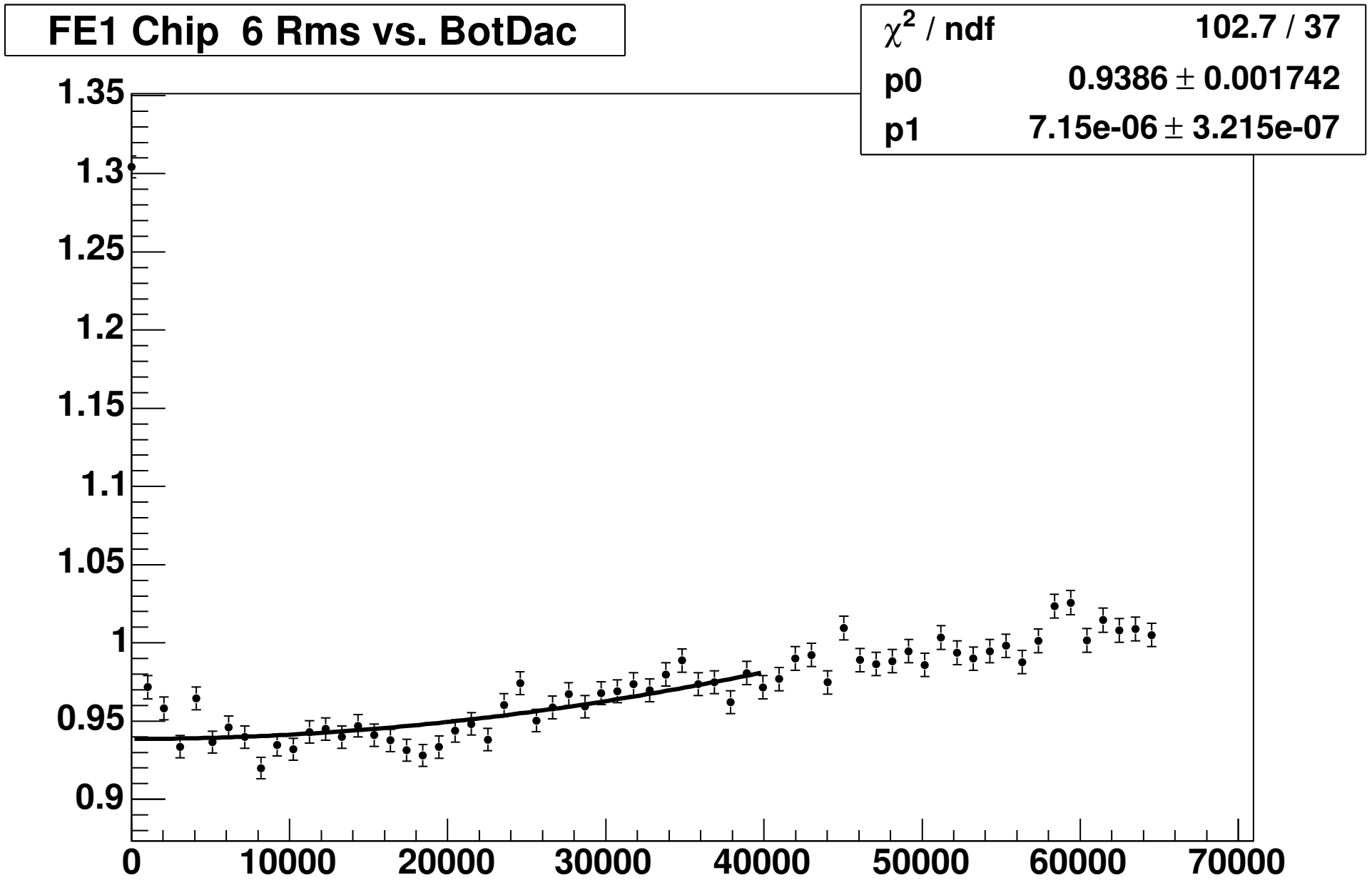
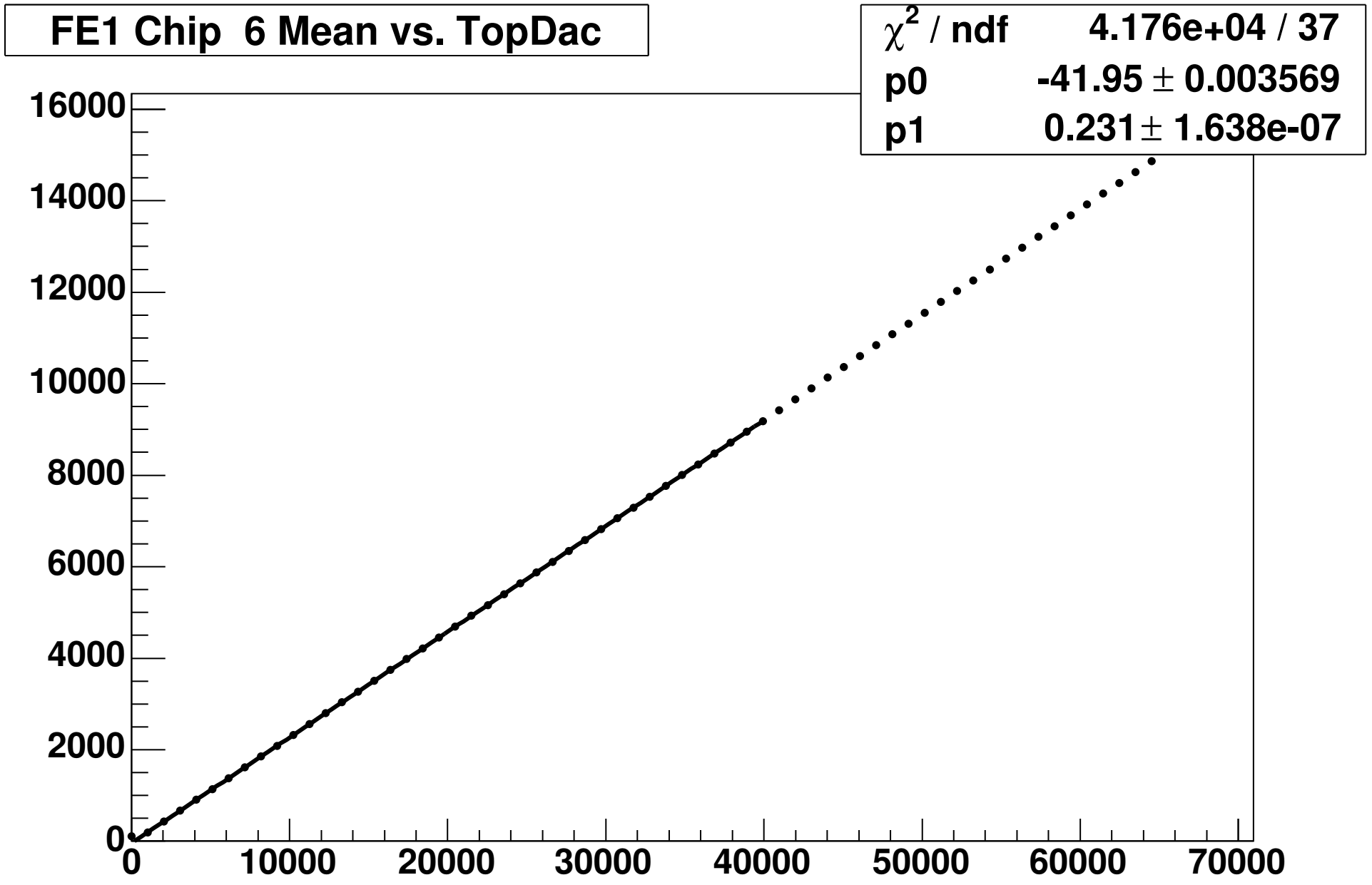
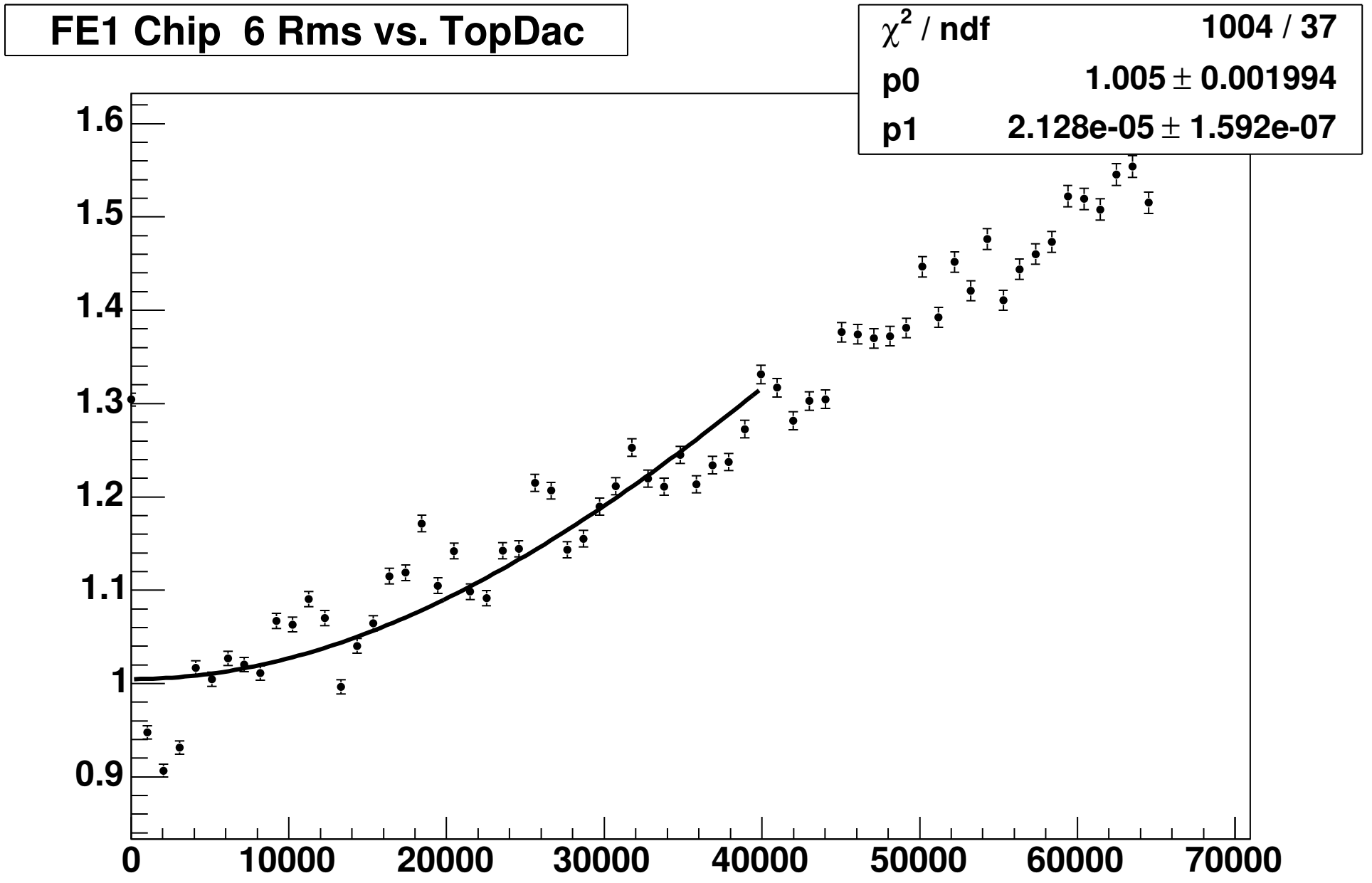
50000
60000
70000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 1350 / 37
p0 111.3 ± 0.003297
p1 5.64e-06 ± 1.42e-07
111.8
111.7
111.6
111.5
111.4
111.3
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 102.7 / 37
p0 0.9386 ± 0.001742
p1 7.15e-06 ± 3.215e-07
1.35
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 4.176e+04 / 37
p0 -41.95 ± 0.003569
p1 0.231 ± 1.638e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 1004 / 37
p0 1.005 ± 0.001994
p1 2.128e-05 ± 1.592e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
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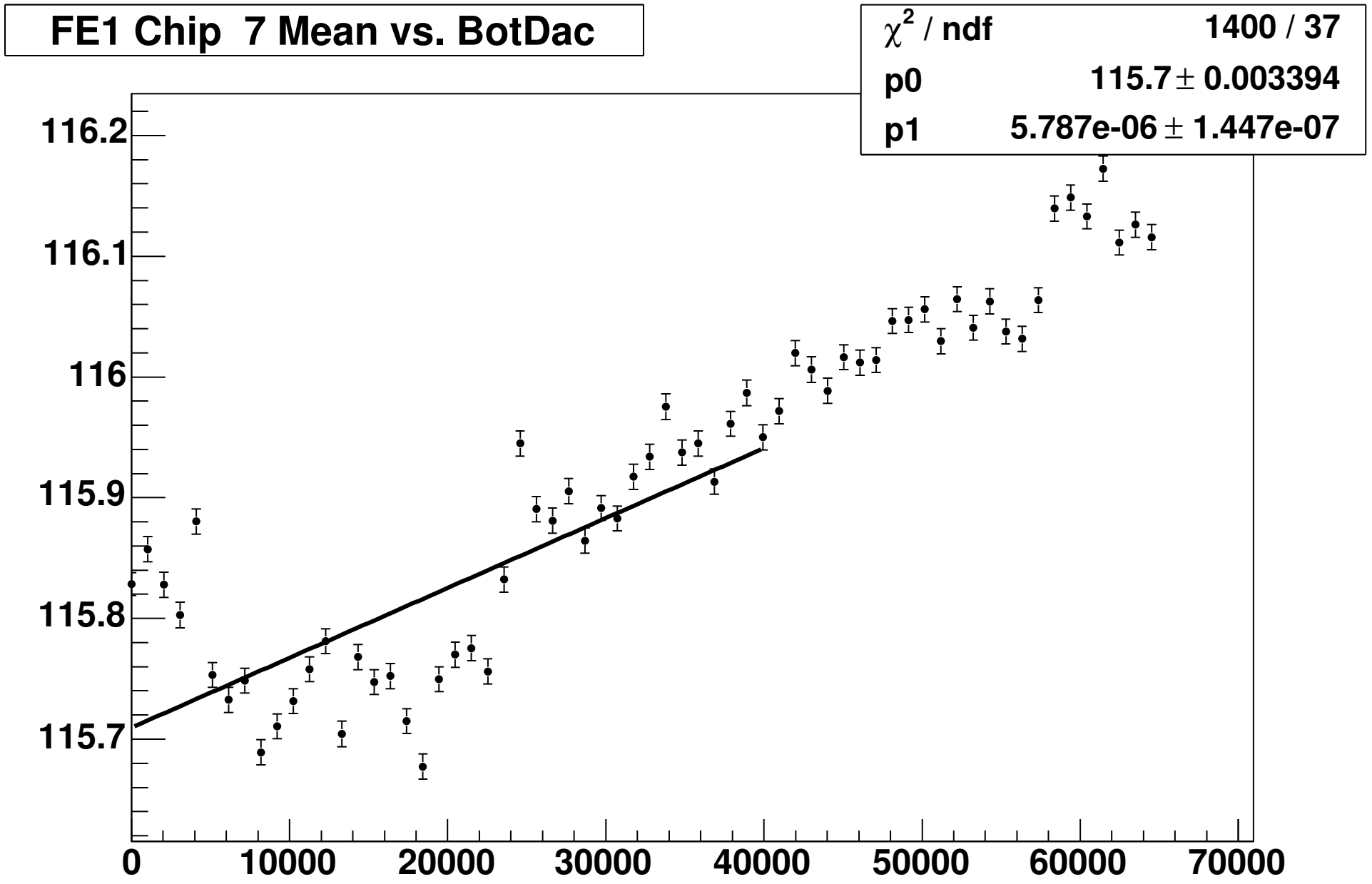
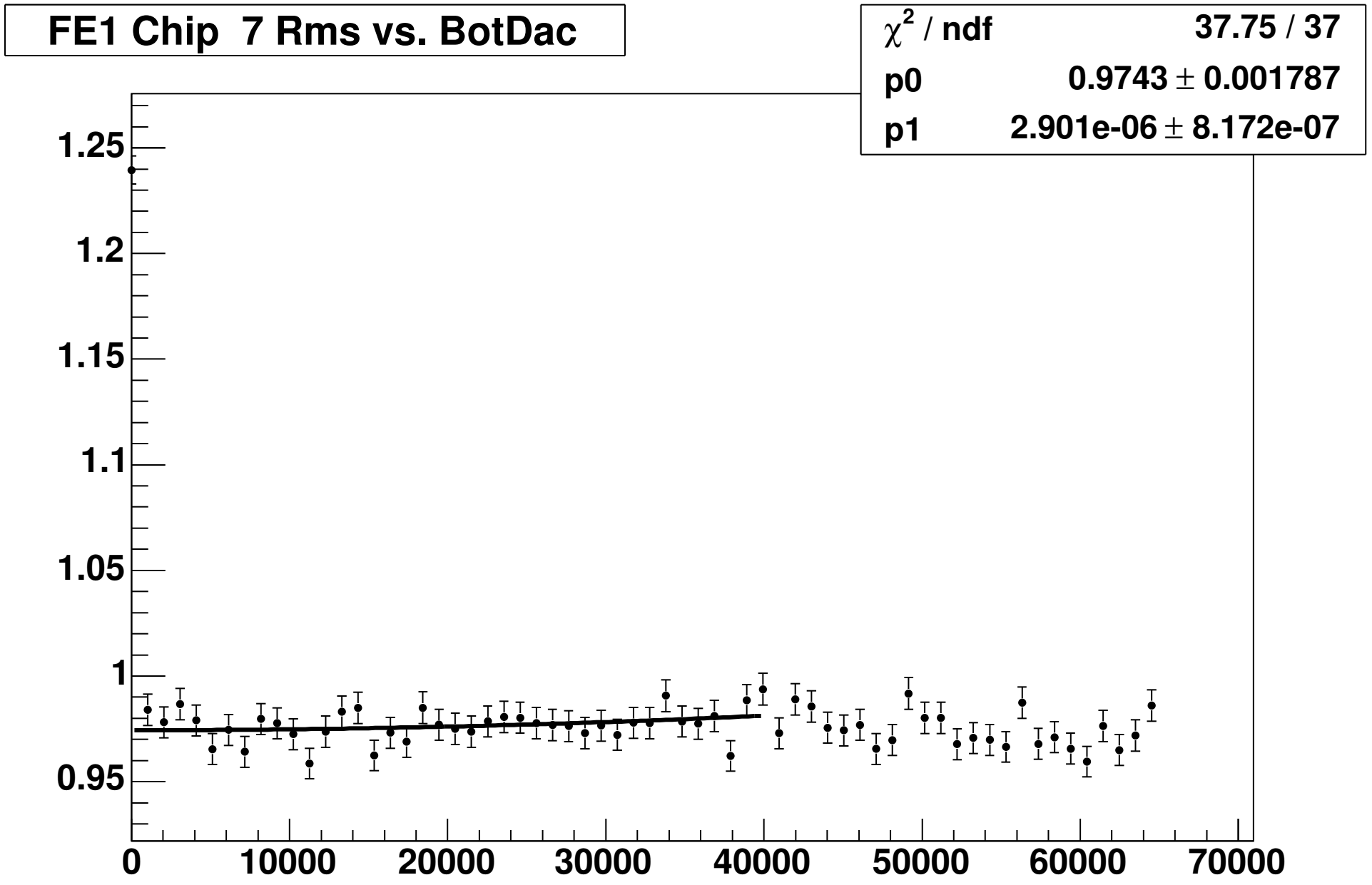
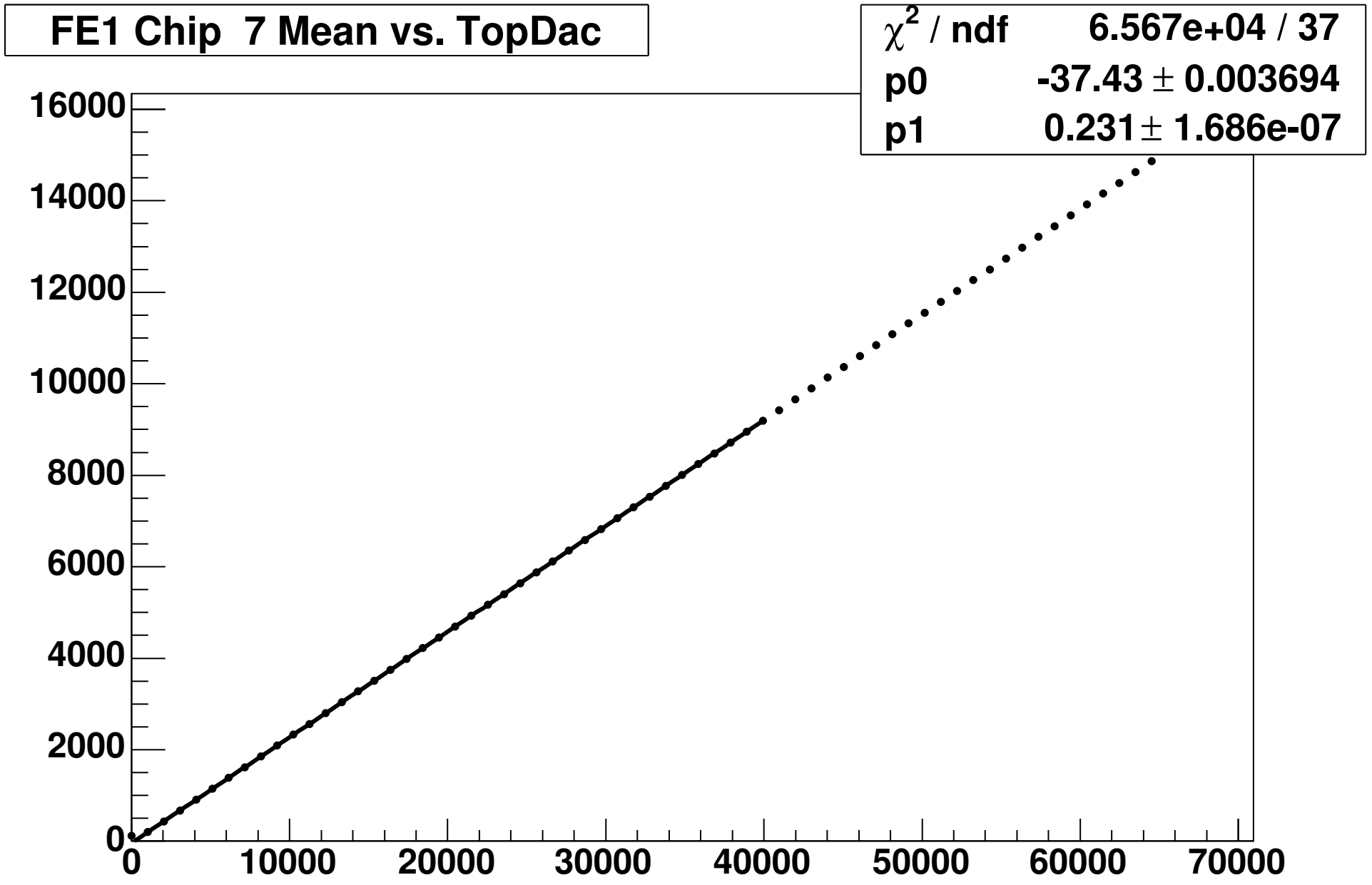
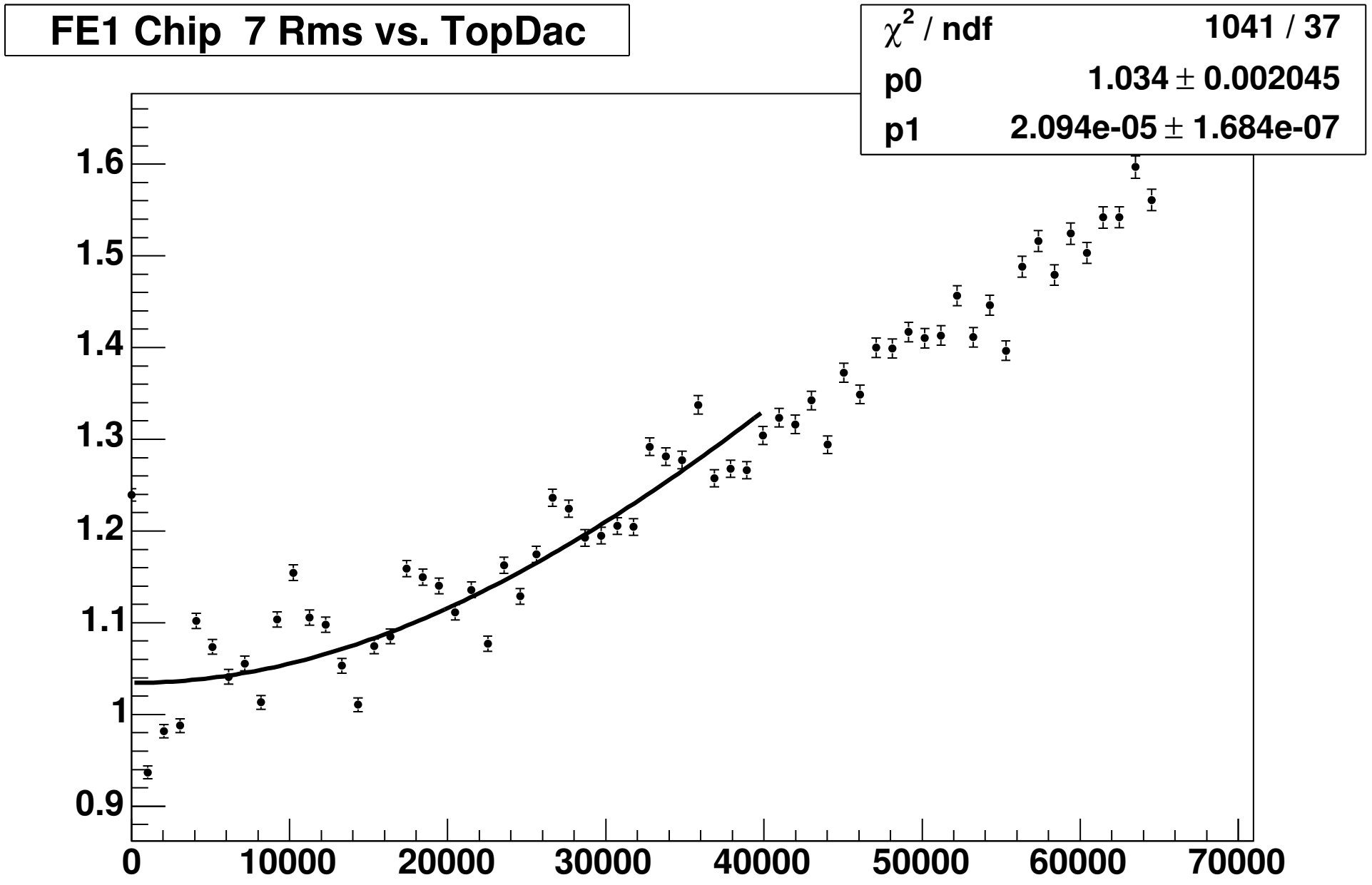
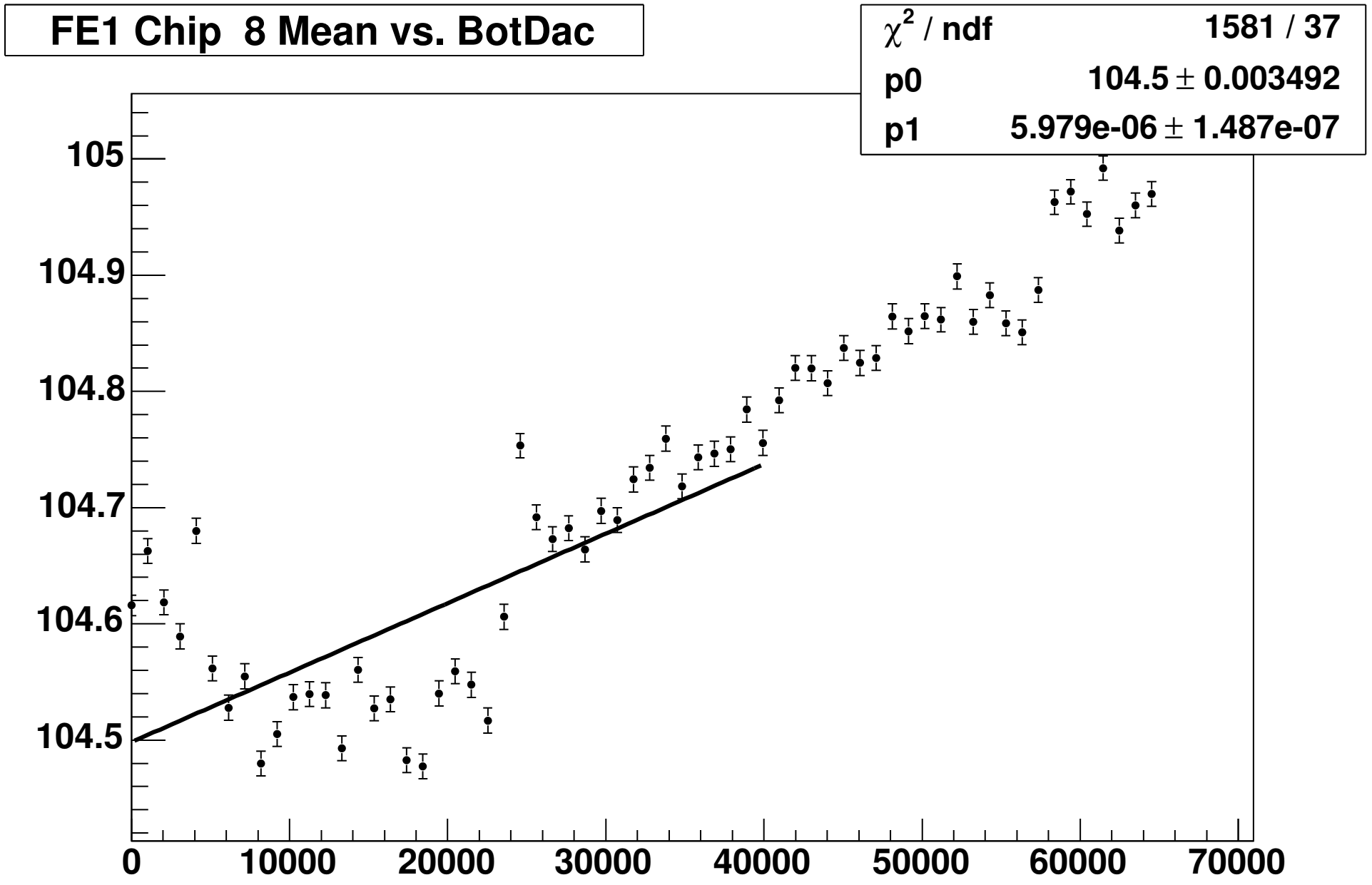
50000
60000
70000

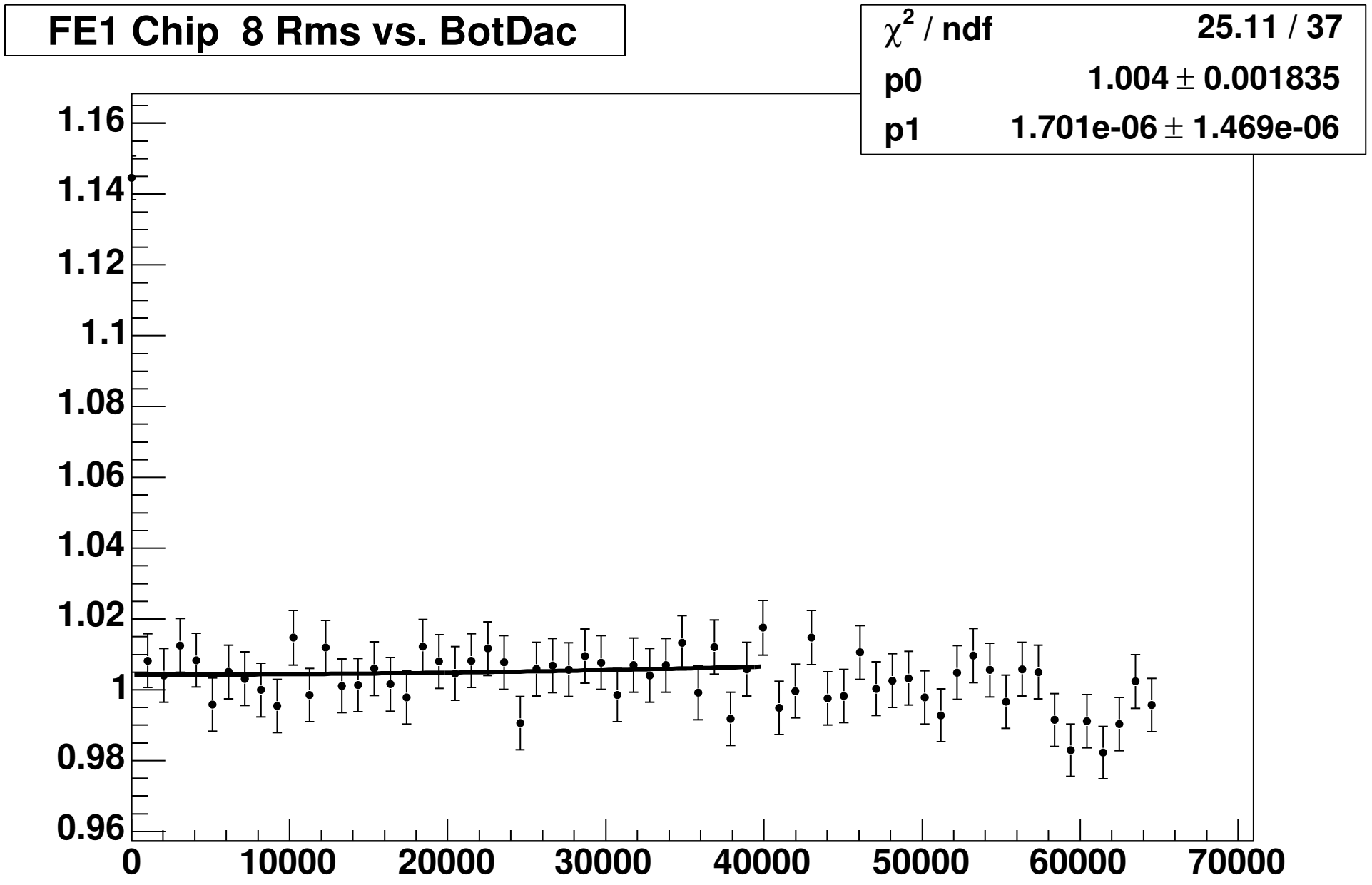

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1400 / 37
p0 115.7 ± 0.003394
p1 5.787e-06 ± 1.447e-07
116.2
116.1
116
115.9
115.8
115.7
0
10000
20000
30000
40000
50000
60000
70000

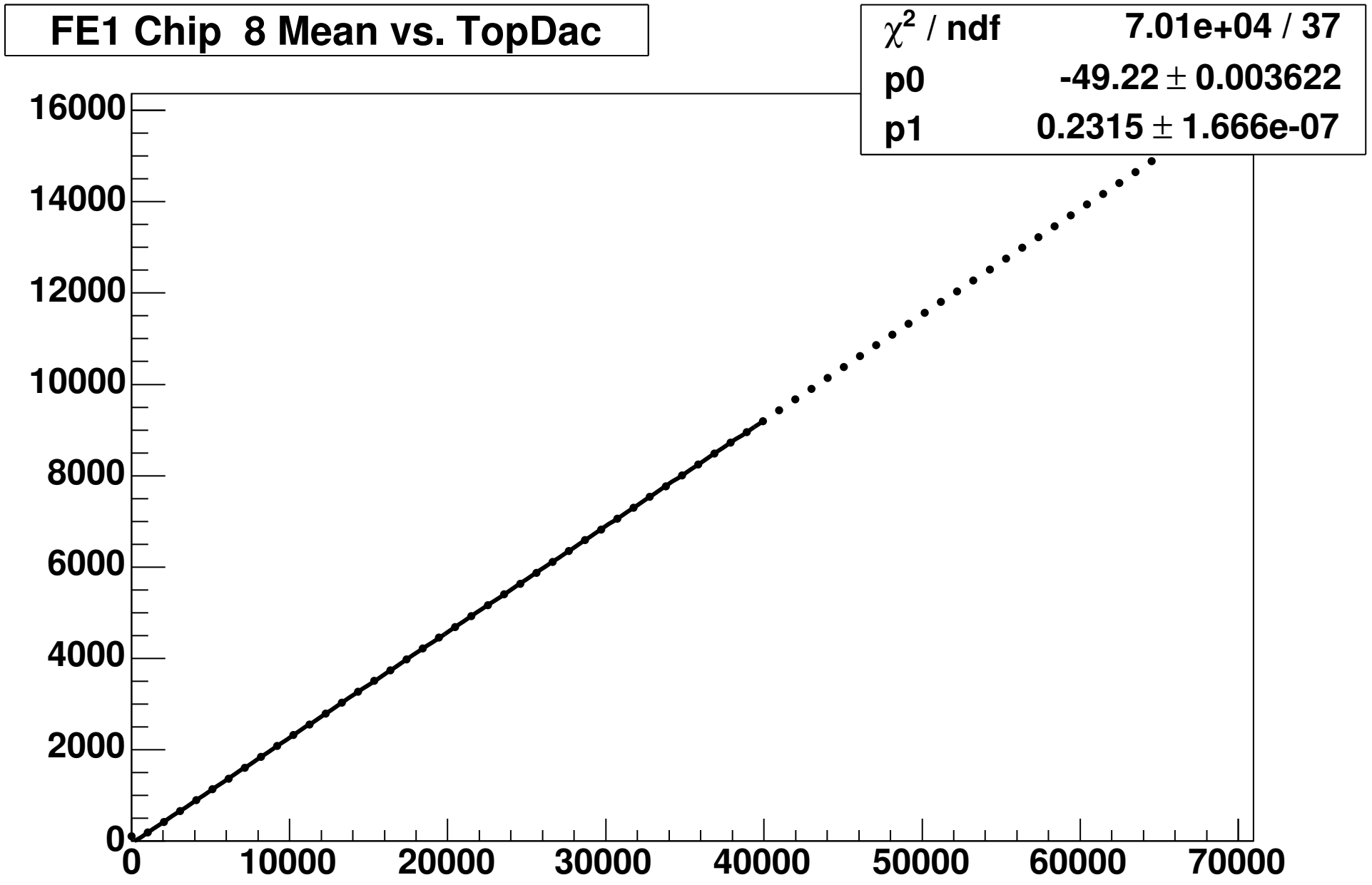

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 37.75 / 37
p0 0.9743 ± 0.001787
p1 2.901e-06 ± 8.172e-07
1.25
1.2
1.15
1.1
1.05
1
0.95
0
10000
20000
30000
40000
50000
60000
70000

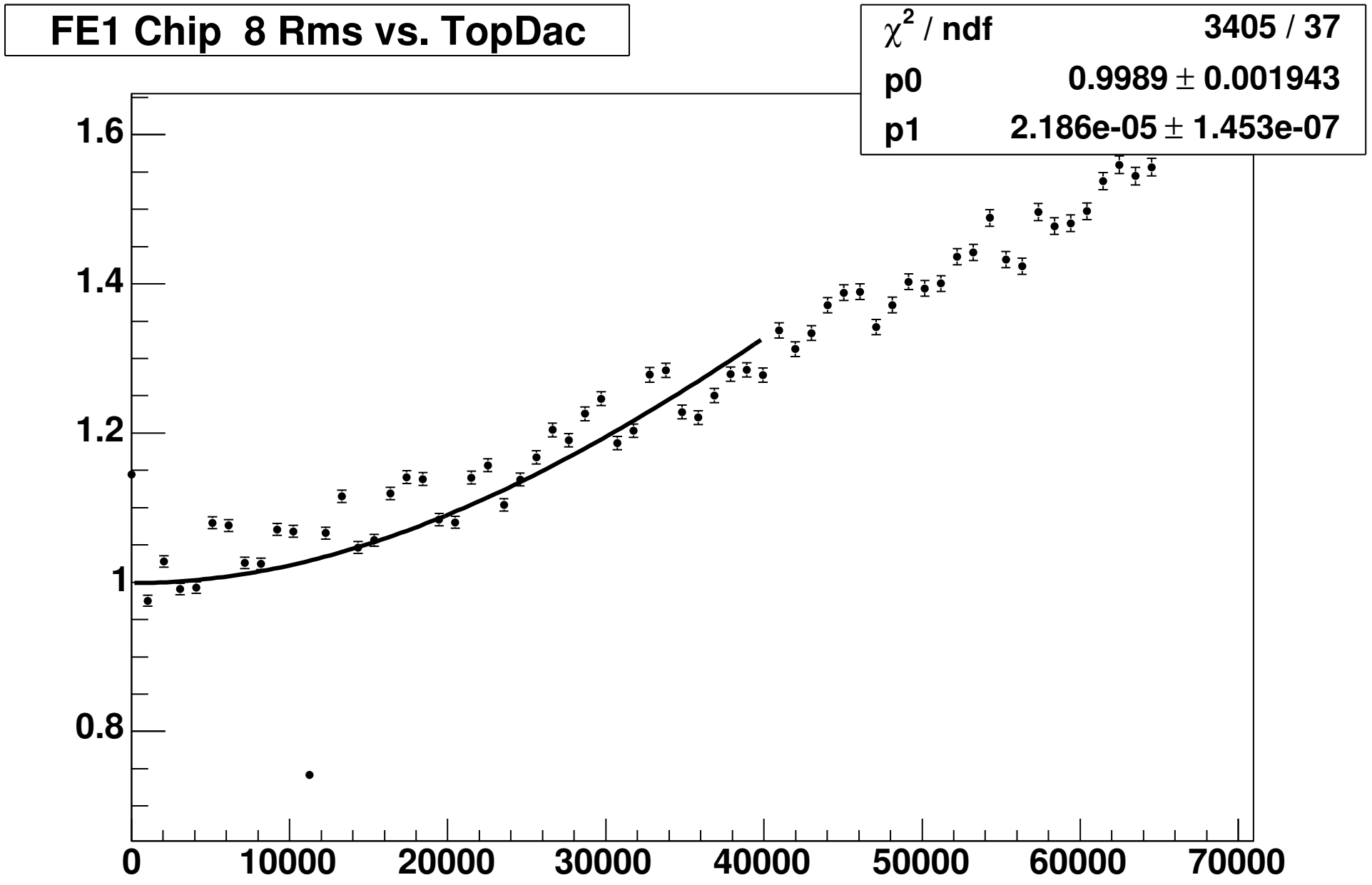

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 6.567e+04 / 37
p0 -37.43 ± 0.003694
p1 0.231 ± 1.686e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

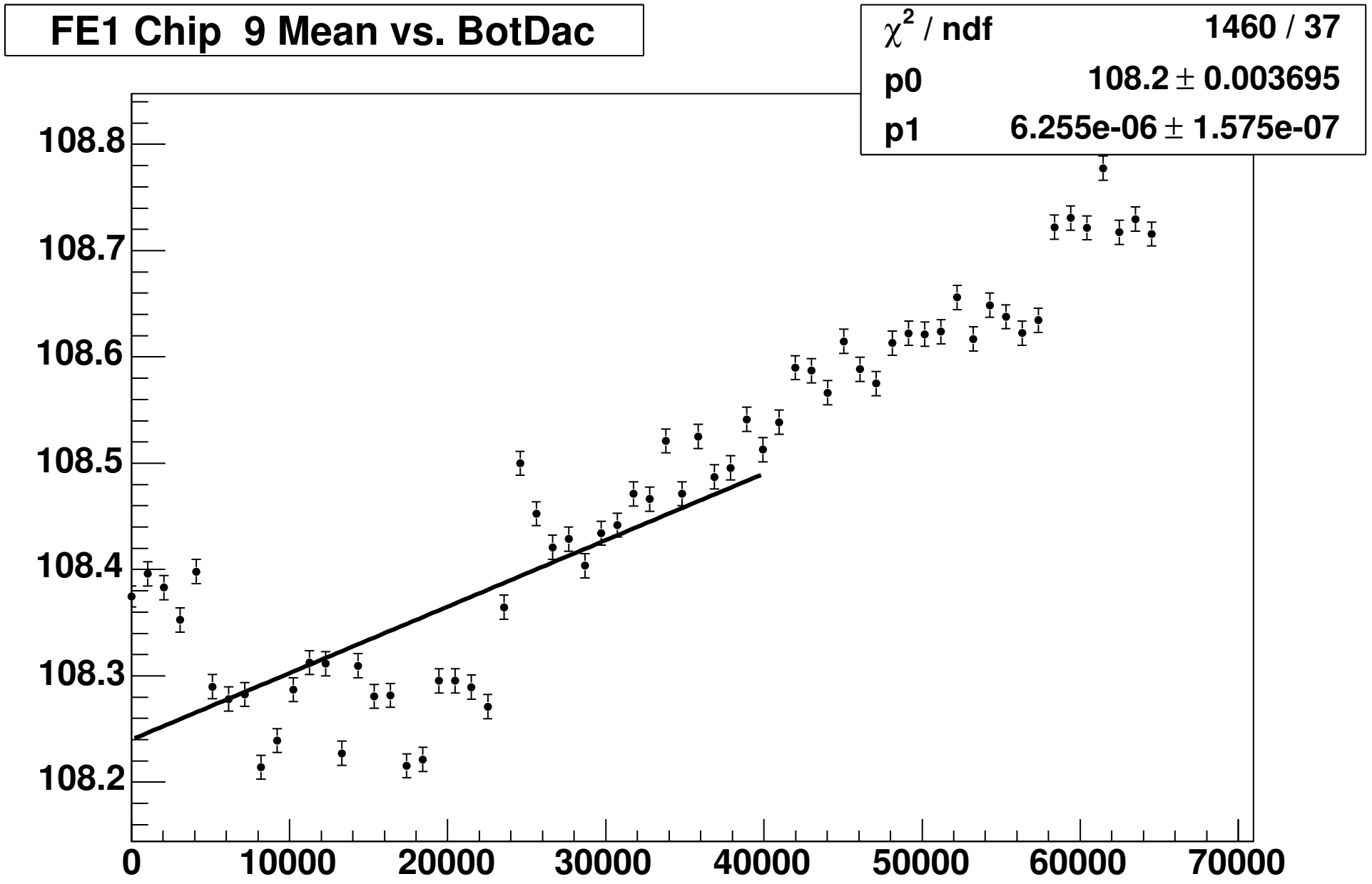

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1041 / 37
p0 1.034 ± 0.002045
p1 2.094e-05 ± 1.684e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

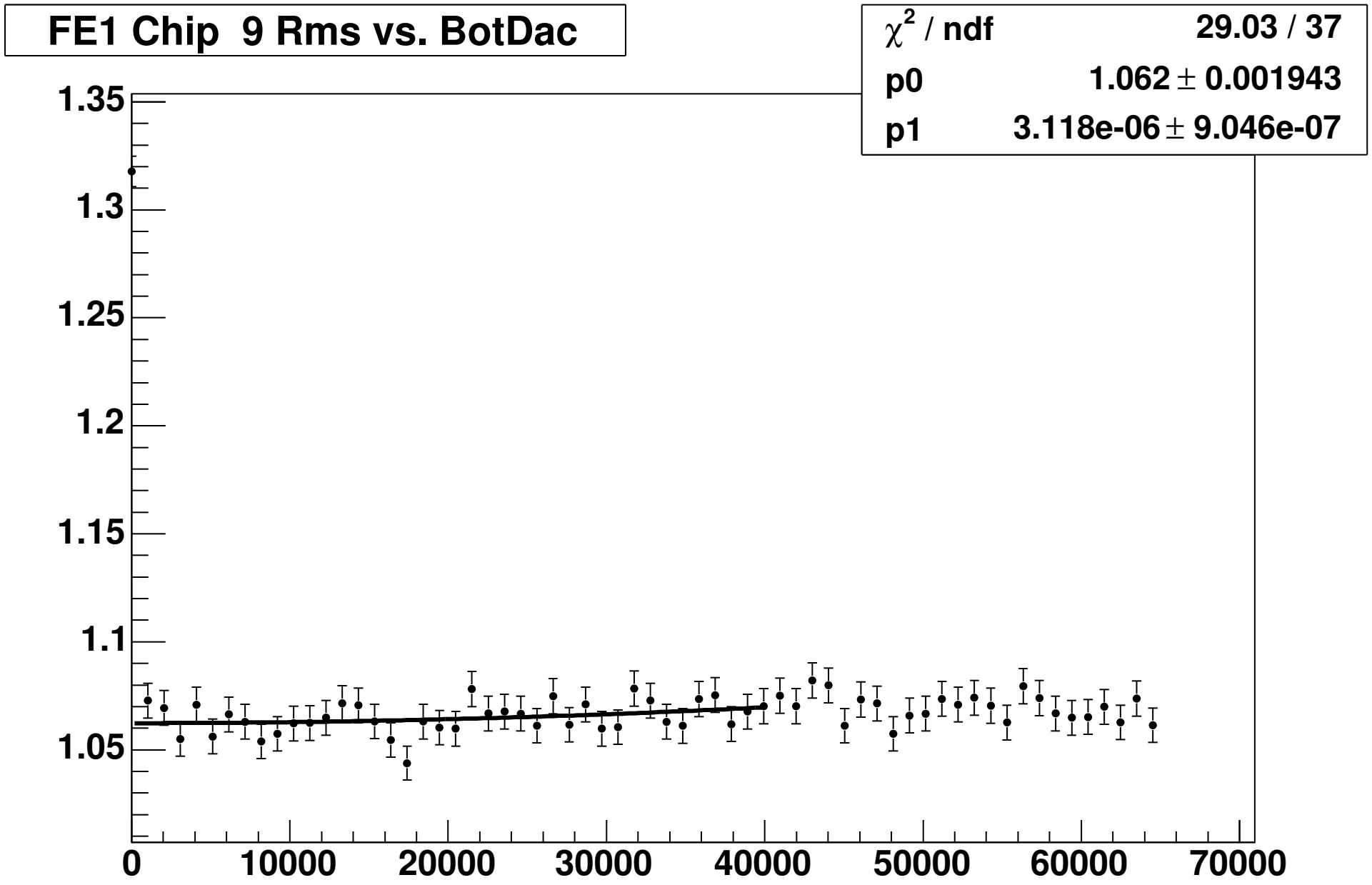

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 1581 / 37
p0 104.5 ± 0.003492
p1 5.979e-06 ± 1.487e-07
105
104.9
104.8
104.7
104.6
104.5
0
10000
20000
30000
40000
50000
60000
70000

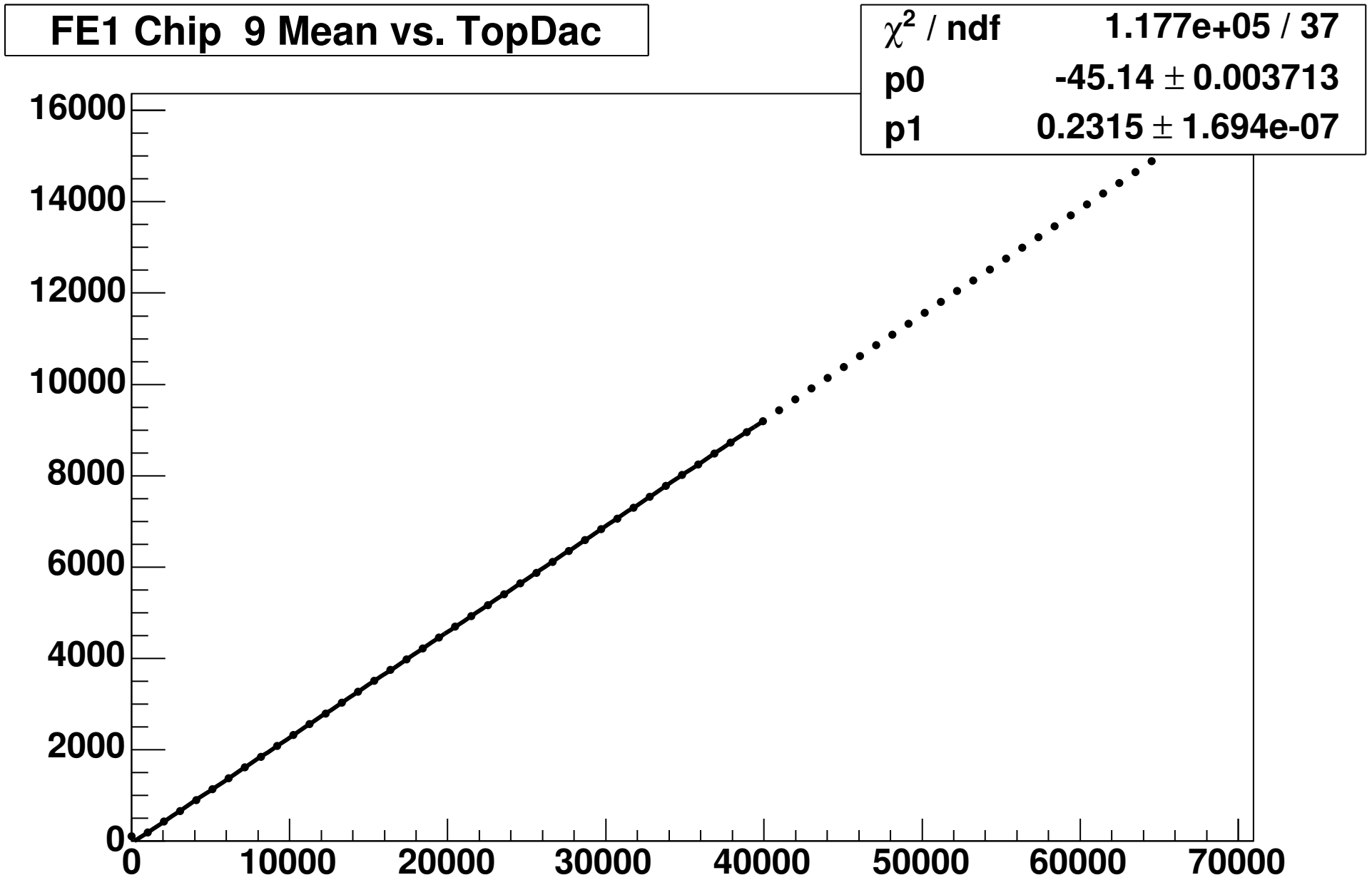

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 25.11 / 37
p0 1.004 ± 0.001835
p1 1.701e-06 ± 1.469e-06
1.16
1.14
1.12
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
0
10000
20000
30000
40000
50000
60000
70000

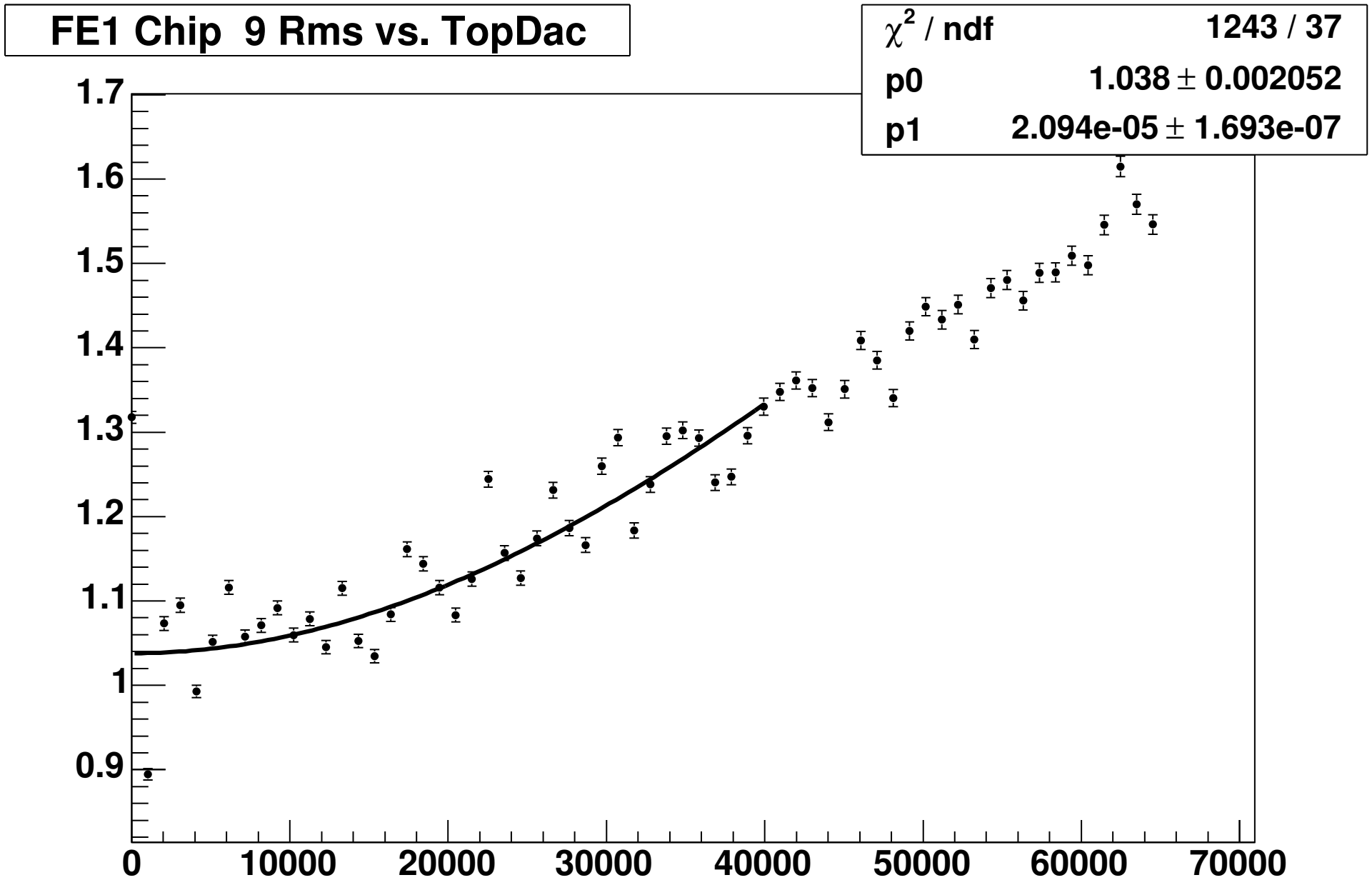

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 7.01e+04 / 37
p0 -49.22 ± 0.003622
p1 0.2315 ± 1.666e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

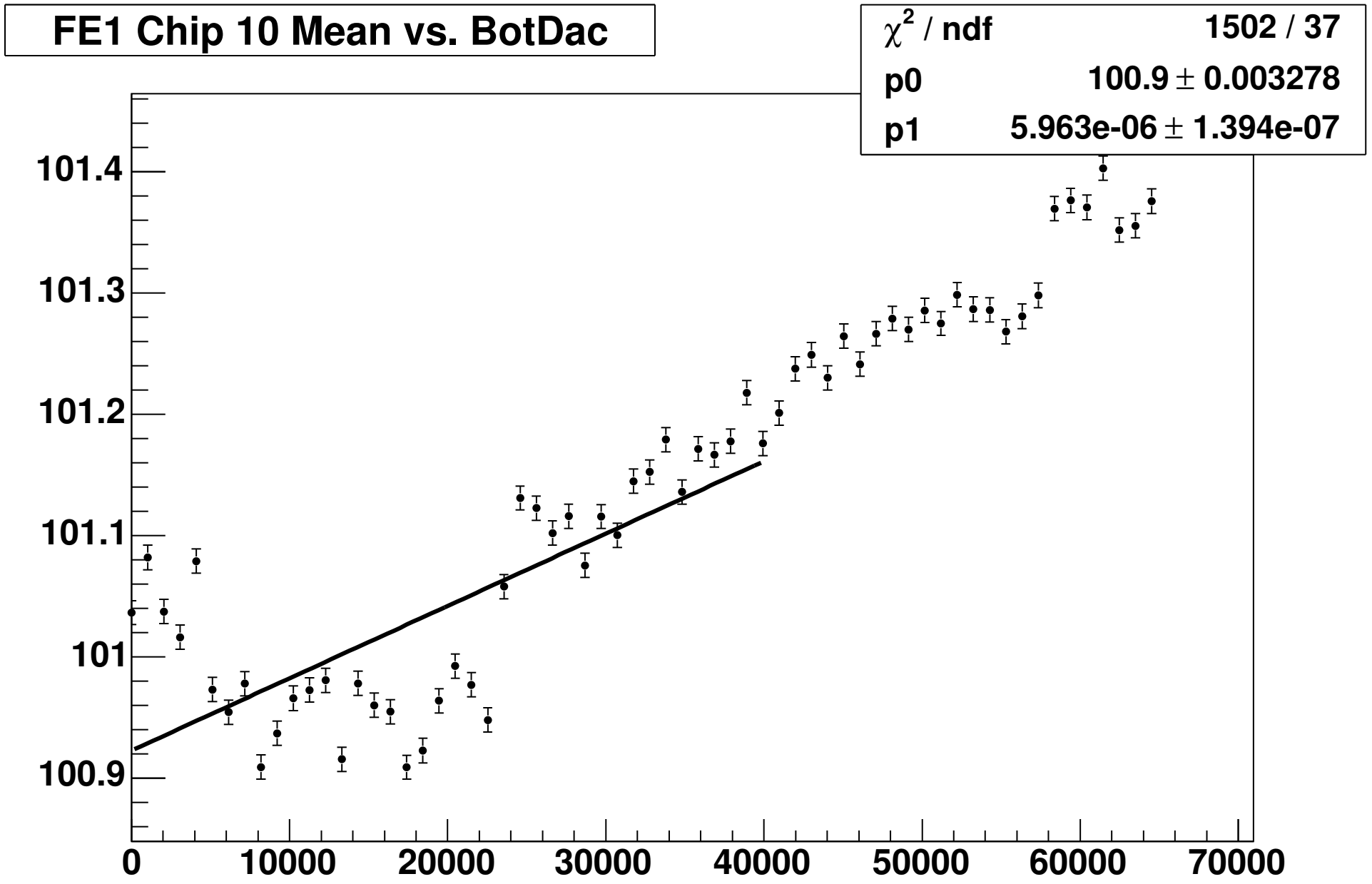

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 3405 / 37
p0 0.9989 ± 0.001943
p1 2.186e-05 ± 1.453e-07
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000
70000

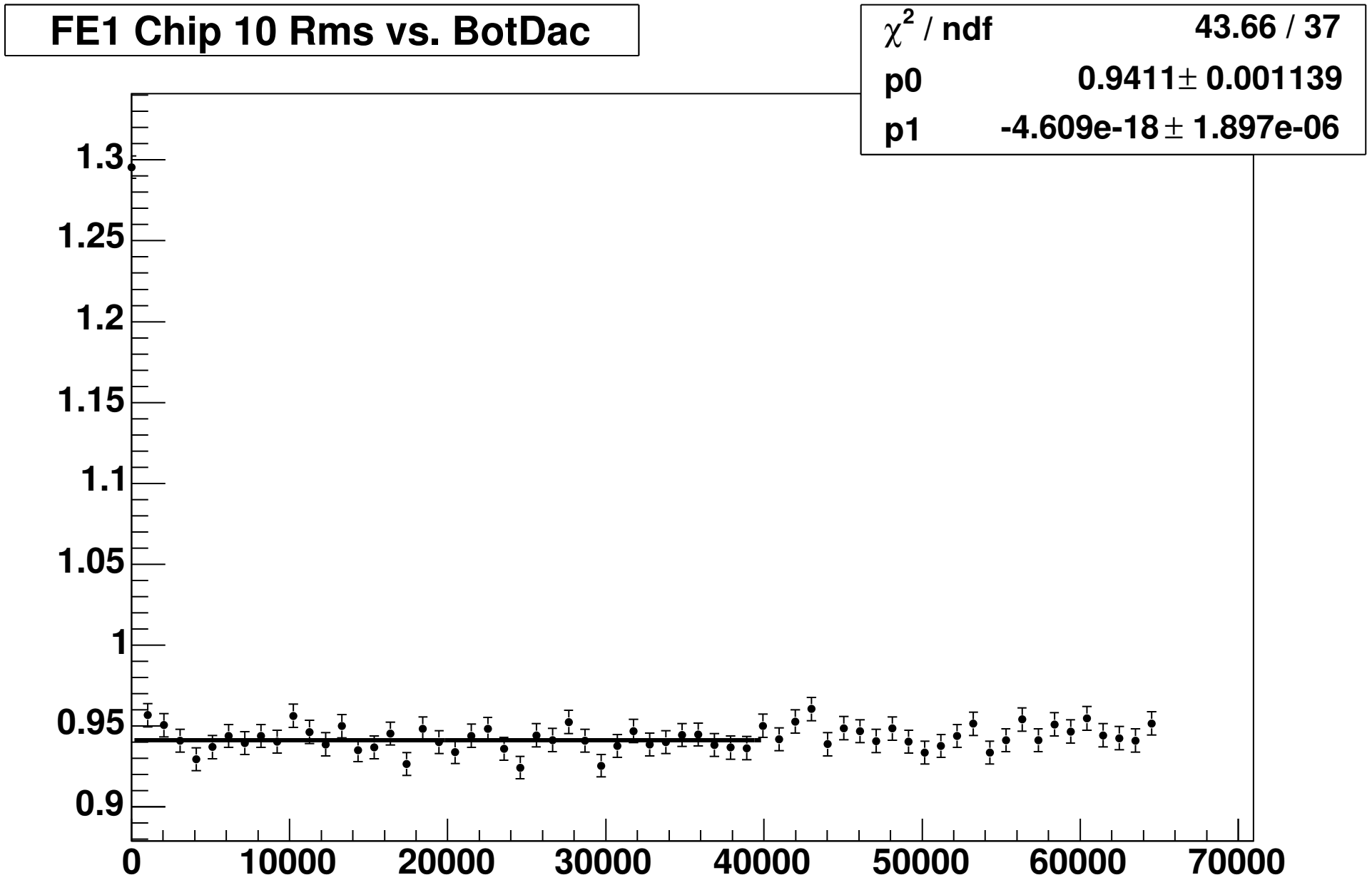

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 1460 / 37
p0 108.2 ± 0.003695
p1 6.255e-06 ± 1.575e-07
108.8
108.7
108.6
108.5
108.4
108.3
108.2
0
10000
20000
30000
40000
50000
60000
70000

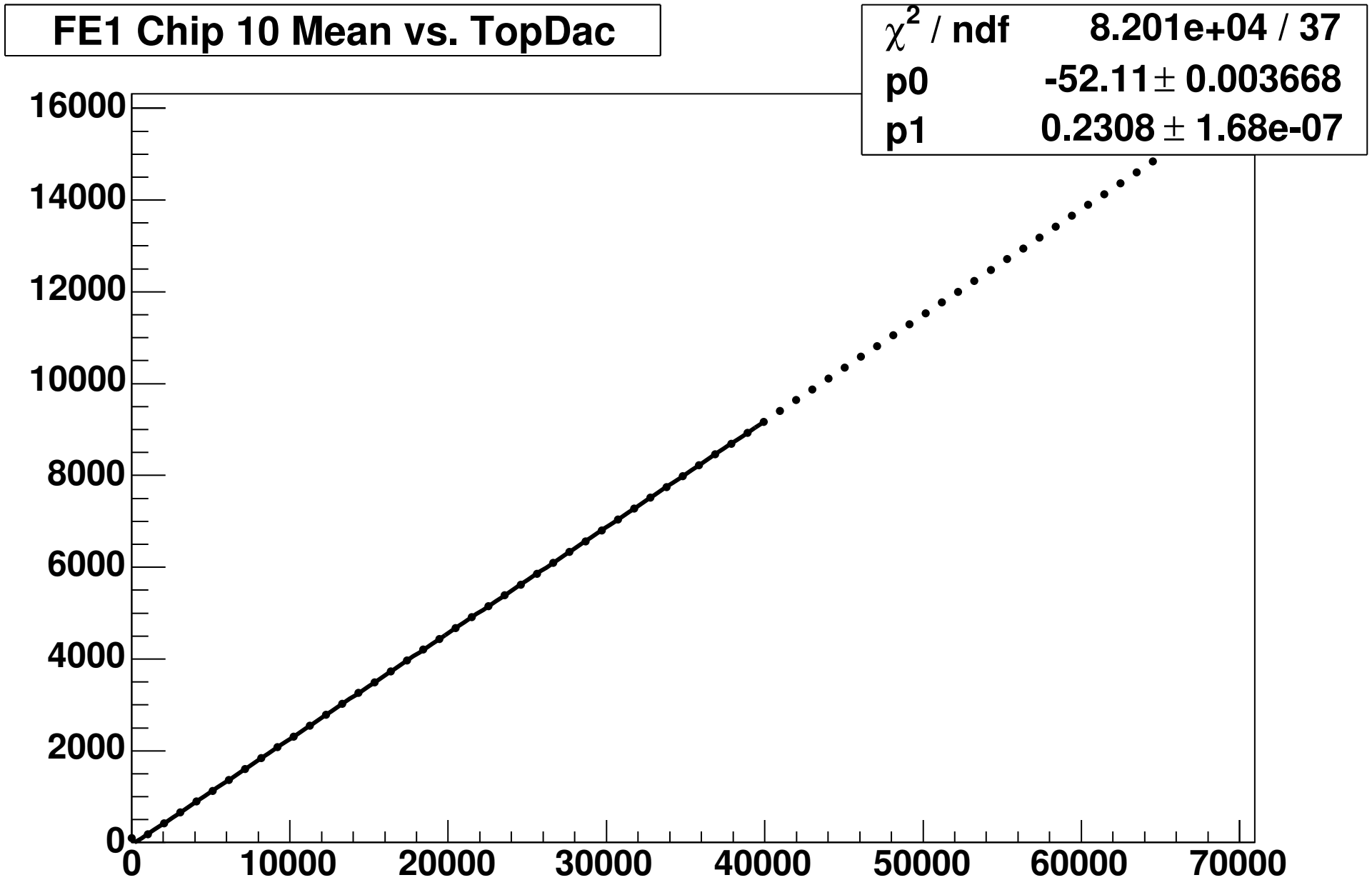

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 29.03 / 37
p0 1.062 ± 0.001943
p1 3.118e-06 ± 9.046e-07
1.35
1.3
1.25
1.2
1.15
1.1
1.05
0
10000
20000
30000
40000
50000
60000
70000

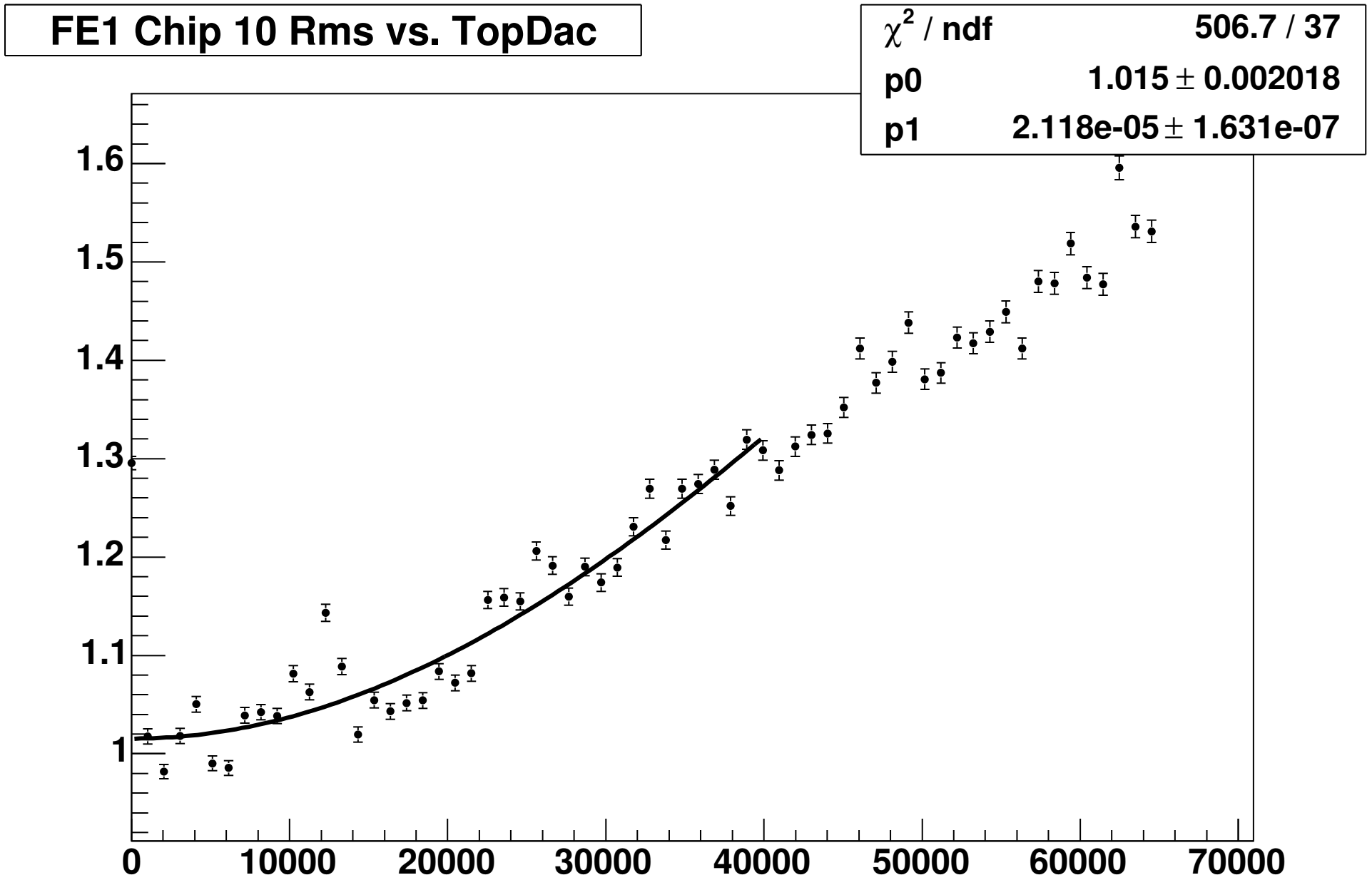

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.177e+05 / 37
p0 -45.14 ± 0.003713
p1 0.2315 ± 1.694e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

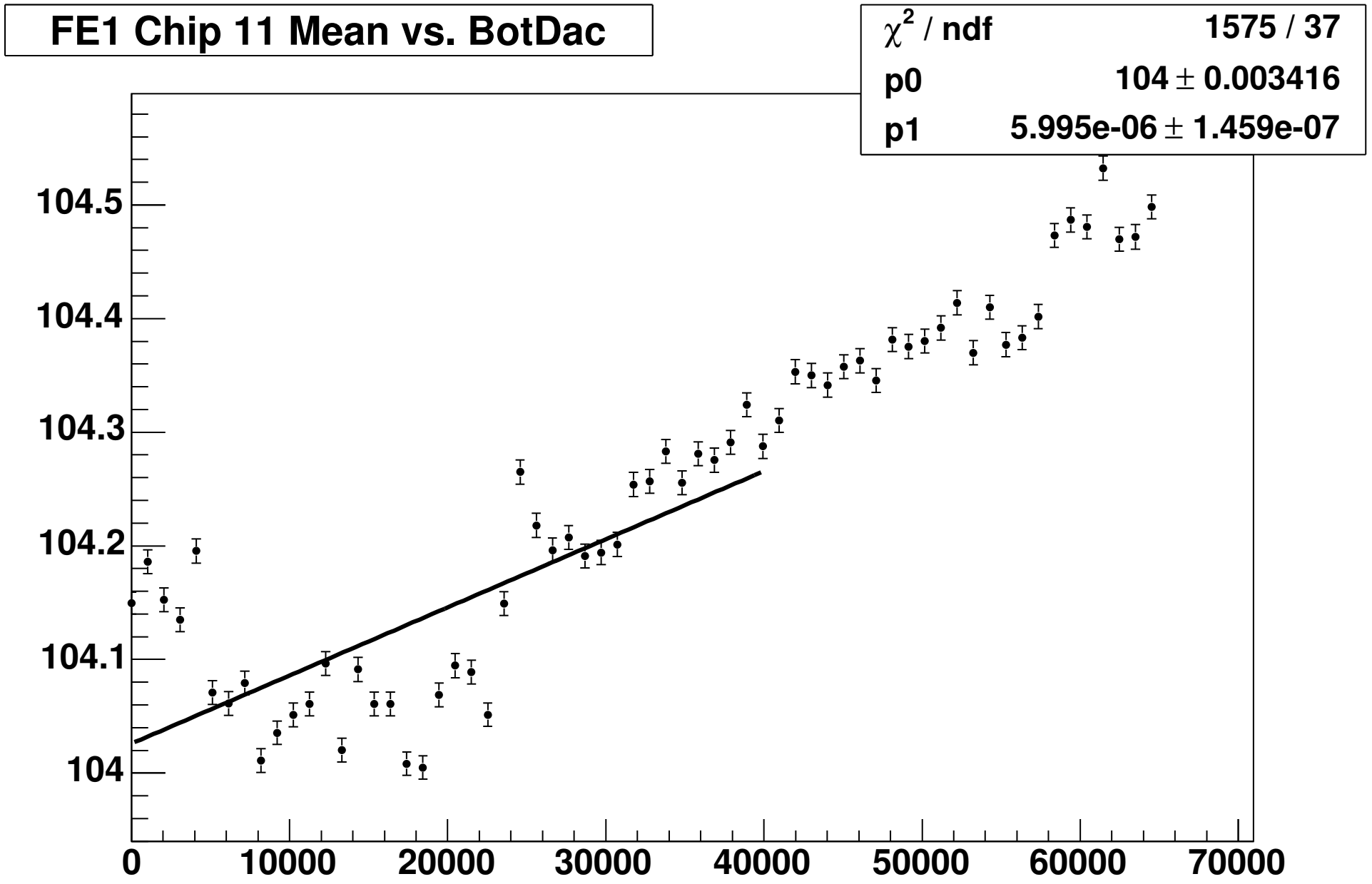

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 1243 / 37
p0 1.038 ± 0.002052
p1 2.094e-05 ± 1.693e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

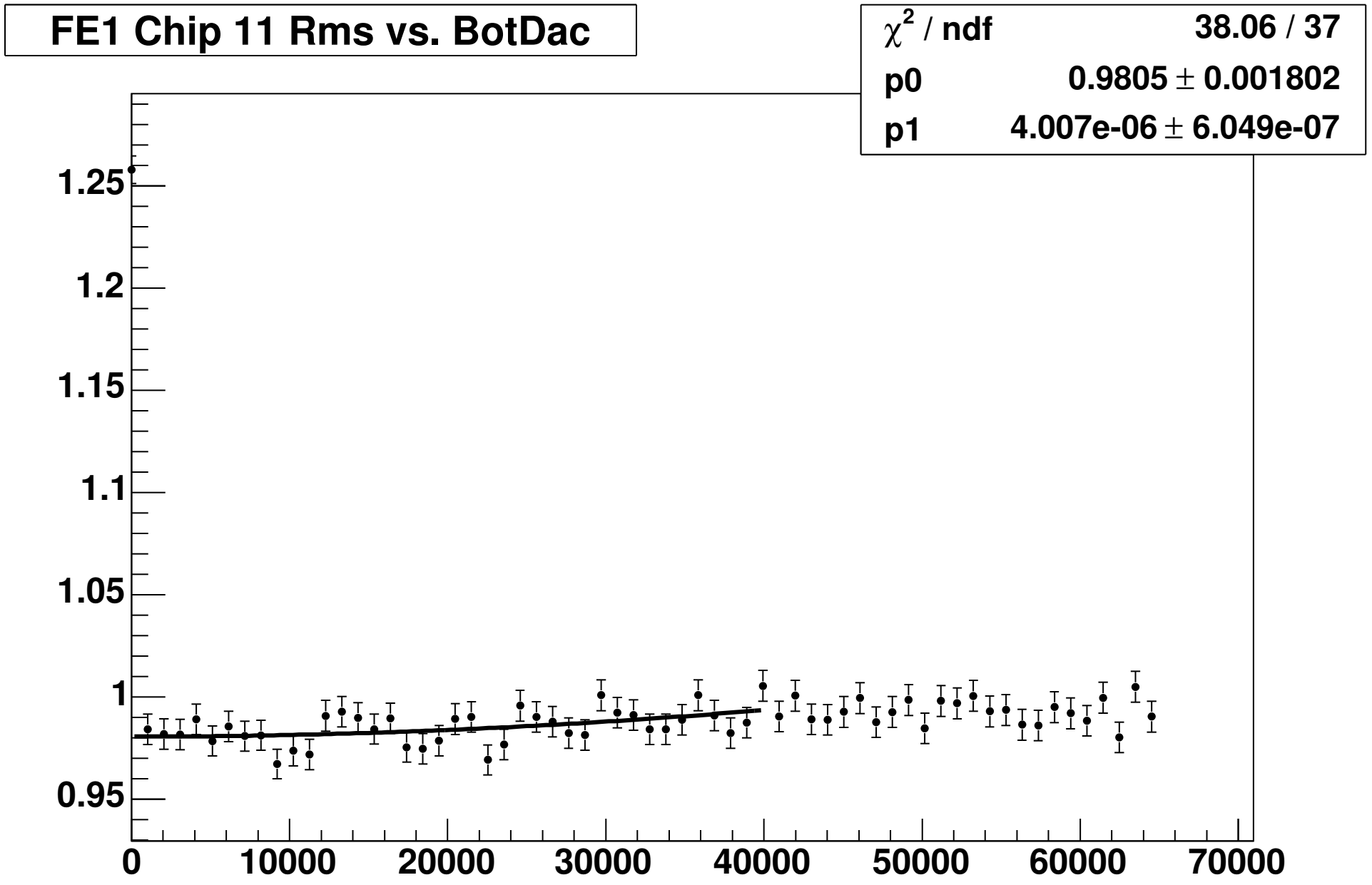

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 1502 / 37
p0 100.9 ± 0.003278
p1 5.963e-06 ± 1.394e-07
101.4
101.3
101.2
101.1
101
100.9
0
10000
20000
30000
40000
50000
60000
70000

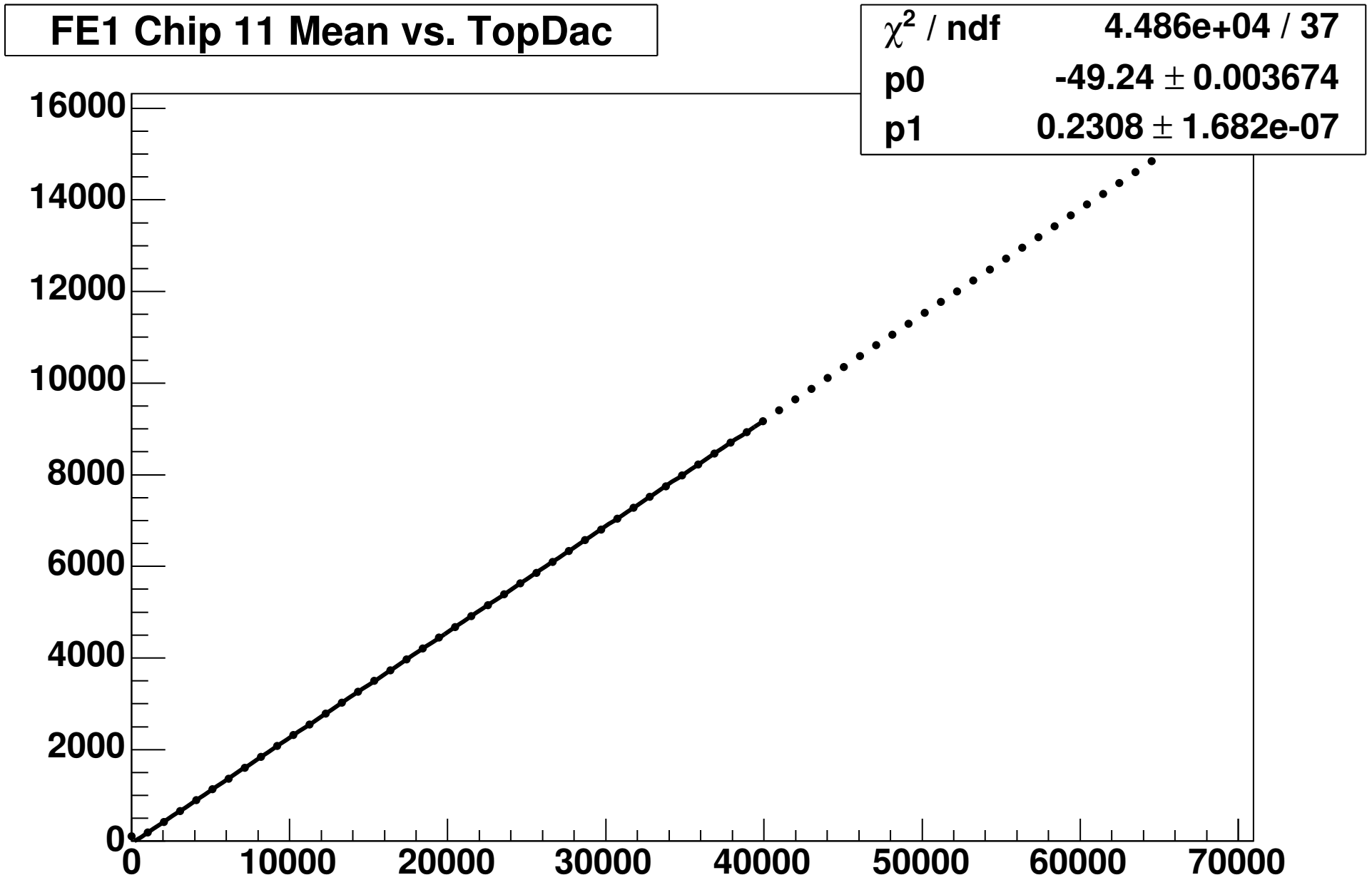

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 43.66 / 37
p0 0.9411 ± 0.001139
p1 -4.609e-18 ± 1.897e-06
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
30000
40000
50000
60000
70000

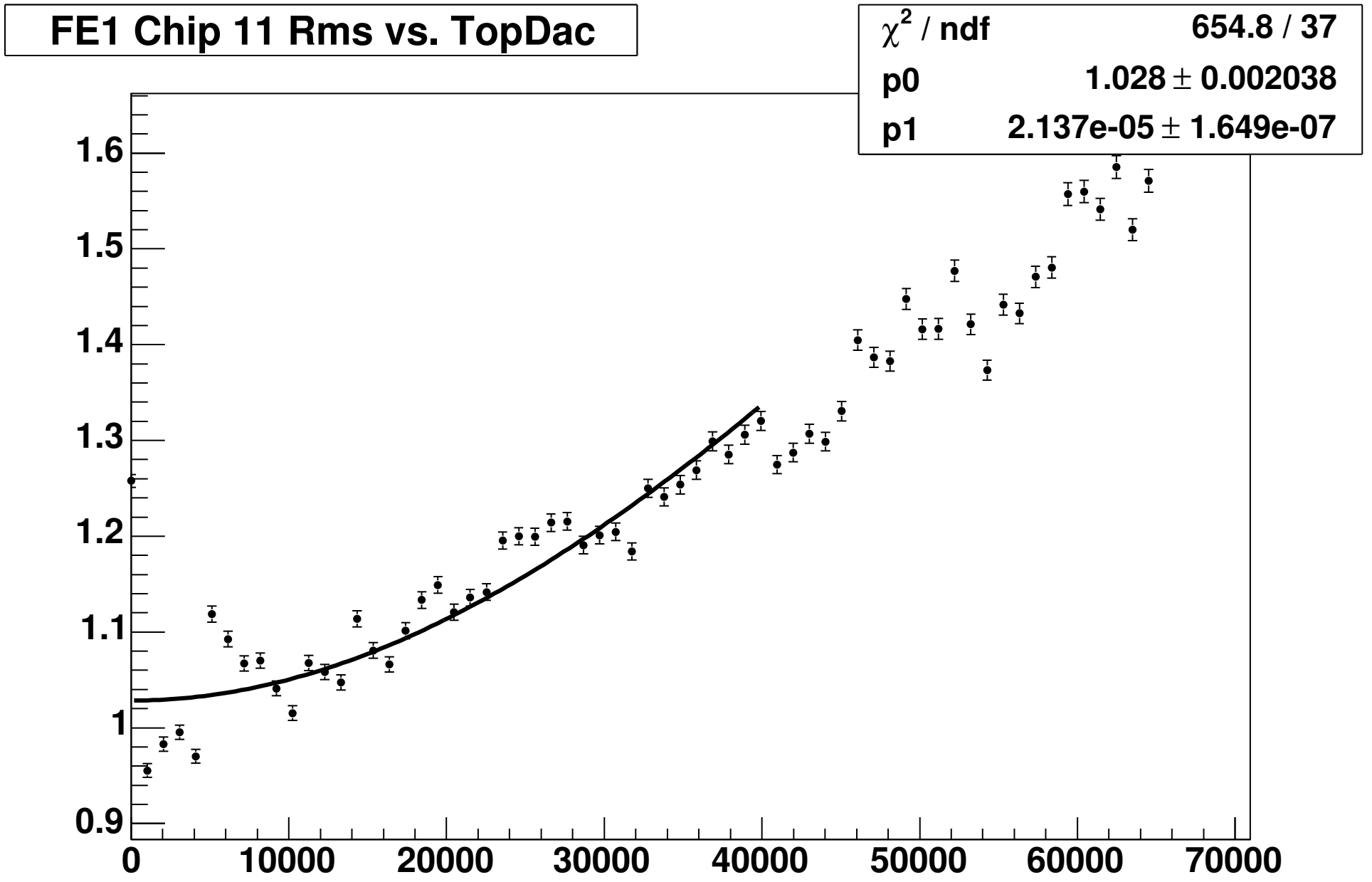

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 8.201e+04 / 37
p0 -52.11 ± 0.003668
p1 0.2308 ± 1.68e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

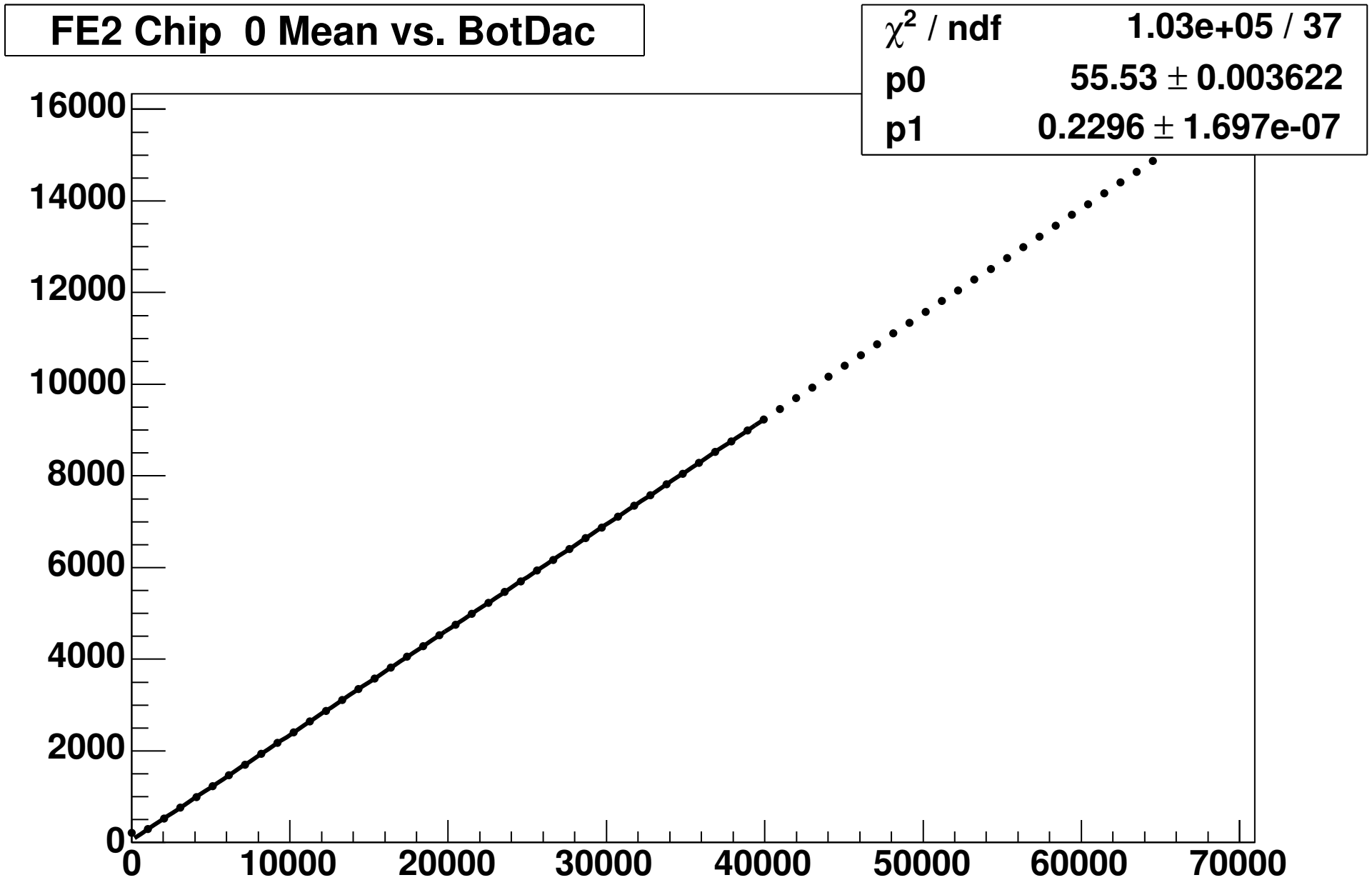

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 506.7 / 37
p0 1.015 ± 0.002018
p1 2.118e-05 ± 1.631e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 1575 / 37
p0 104 ± 0.003416
p1 5.995e-06 ± 1.459e-07
104.5
104.4
104.3
104.2
104.1
104
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 38.06 / 37
p0 0.9805 ± 0.001802
p1 4.007e-06 ± 6.049e-07
1.25
1.2
1.15
1.1
1.05
1
0.95
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 4.486e+04 / 37
p0 -49.24 ± 0.003674
p1 0.2308 ± 1.682e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 654.8 / 37
p0 1.028 ± 0.002038
p1 2.137e-05 ± 1.649e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.03e+05 / 37
p0 55.53 ± 0.003622
p1 0.2296 ± 1.697e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
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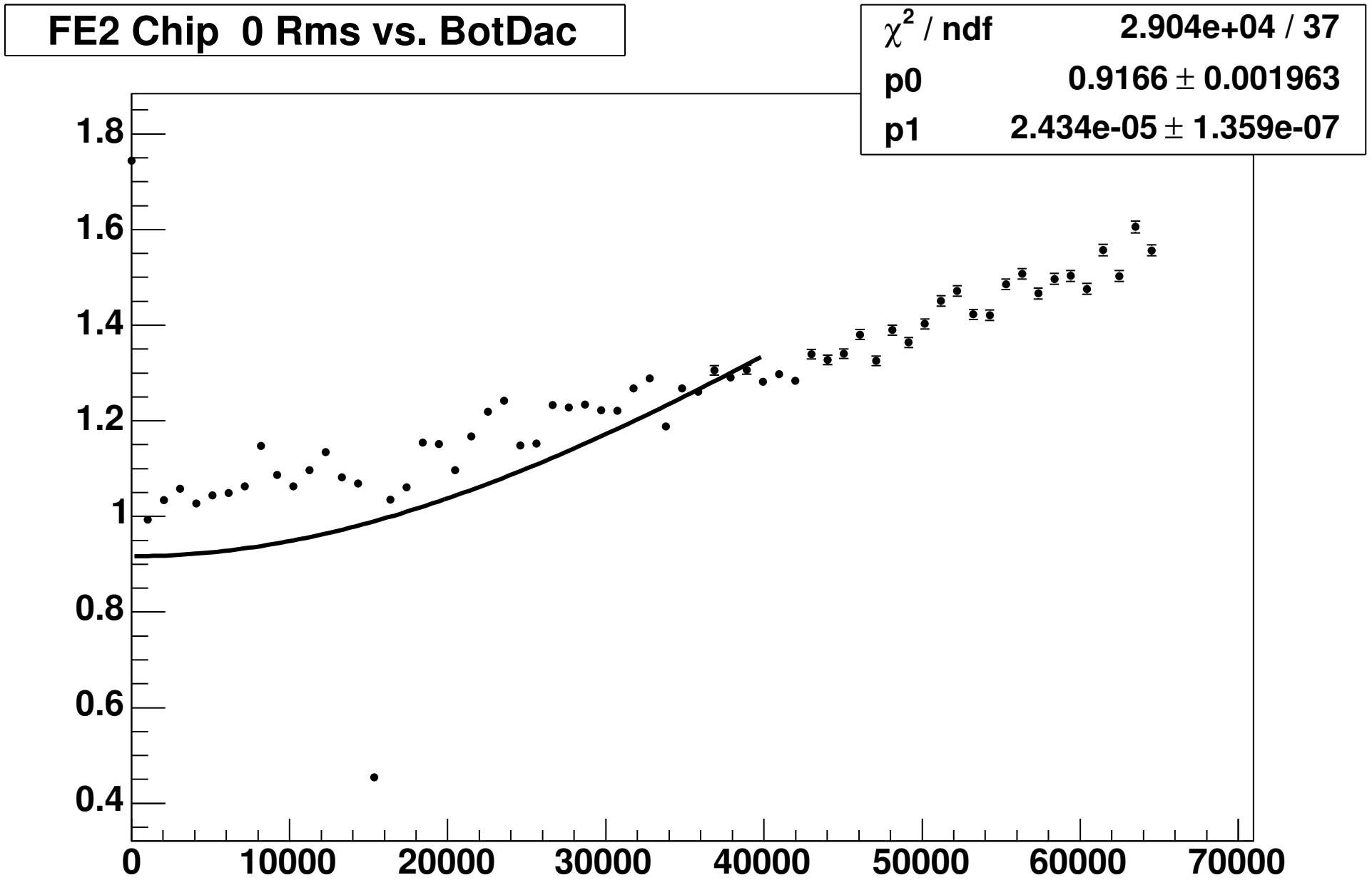
FE2 Chip 0 Rms vs. BotDac
χ² / ndf 2.904e+04 / 37
p0 0.9166 ± 0.001963
p1 2.434e-05 ± 1.359e-07
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0
10000
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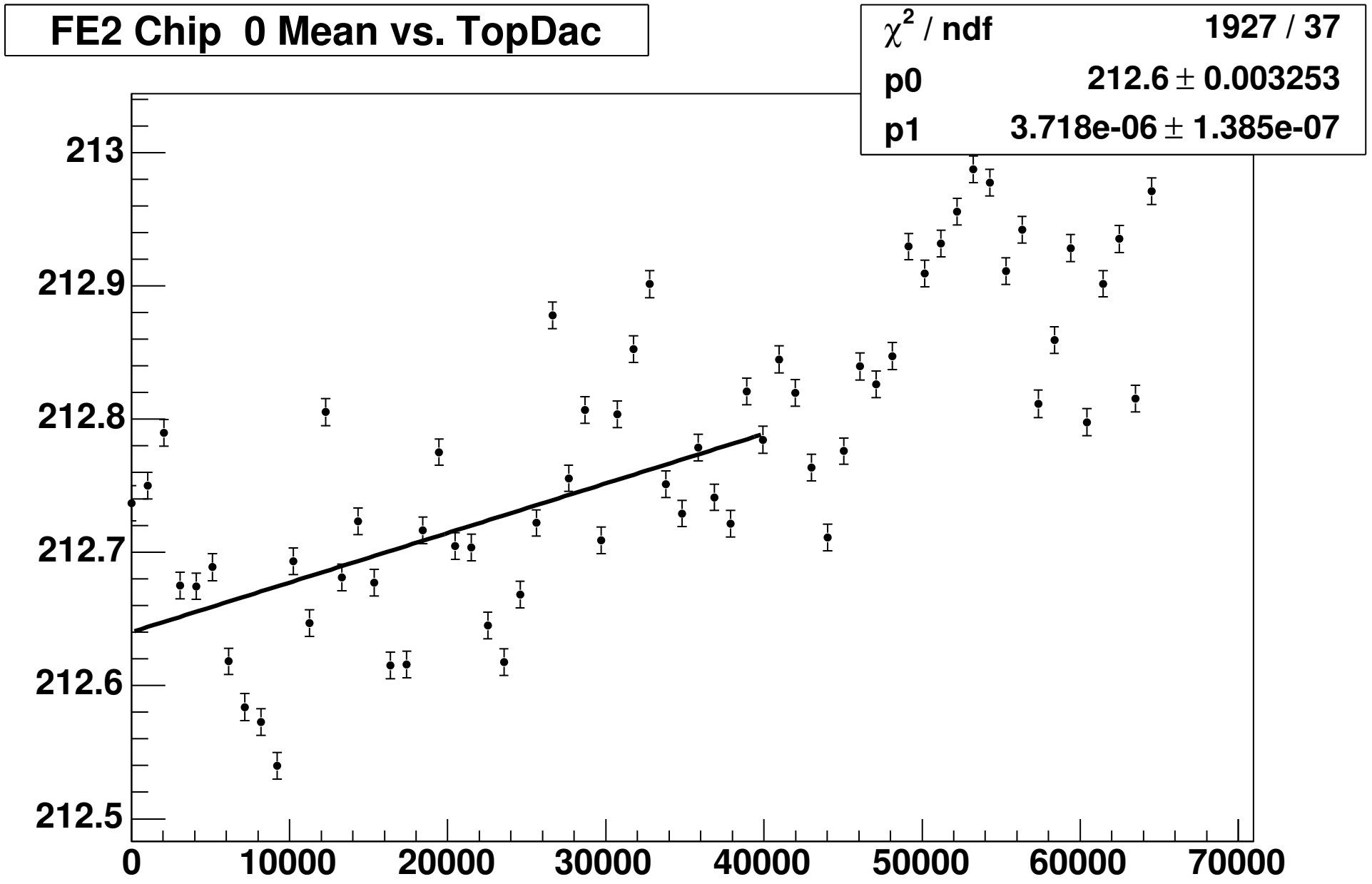
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 1927 / 37
p0 212.6 ± 0.003253
p1 3.718e-06 ± 1.385e-07
213
212.9
212.8
212.7
212.6
212.5
0
10000
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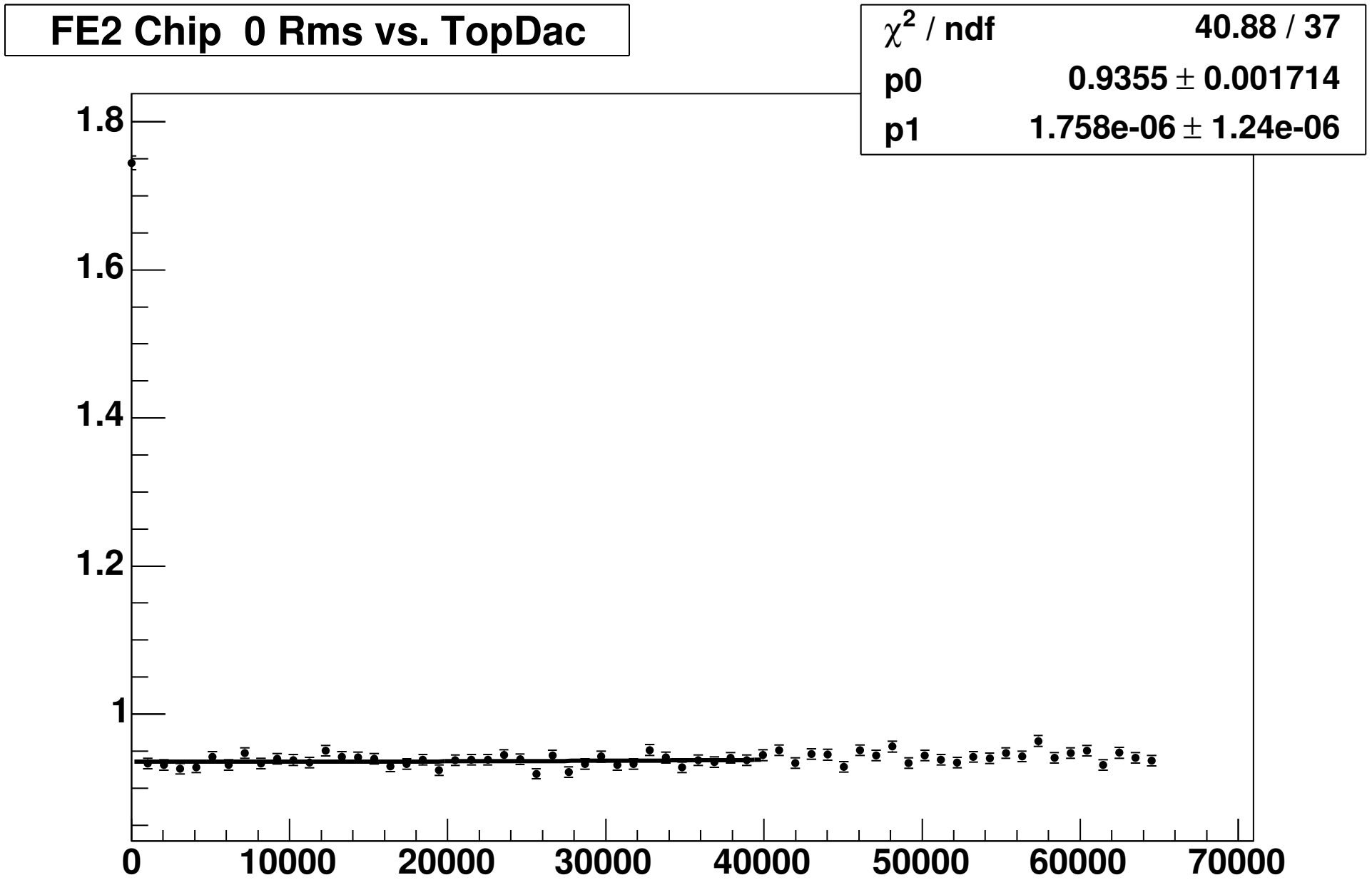
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 40.88 / 37
p0 0.9355 ± 0.001714
p1 1.758e-06 ± 1.24e-06
1.8
1.6
1.4
1.2
1
0
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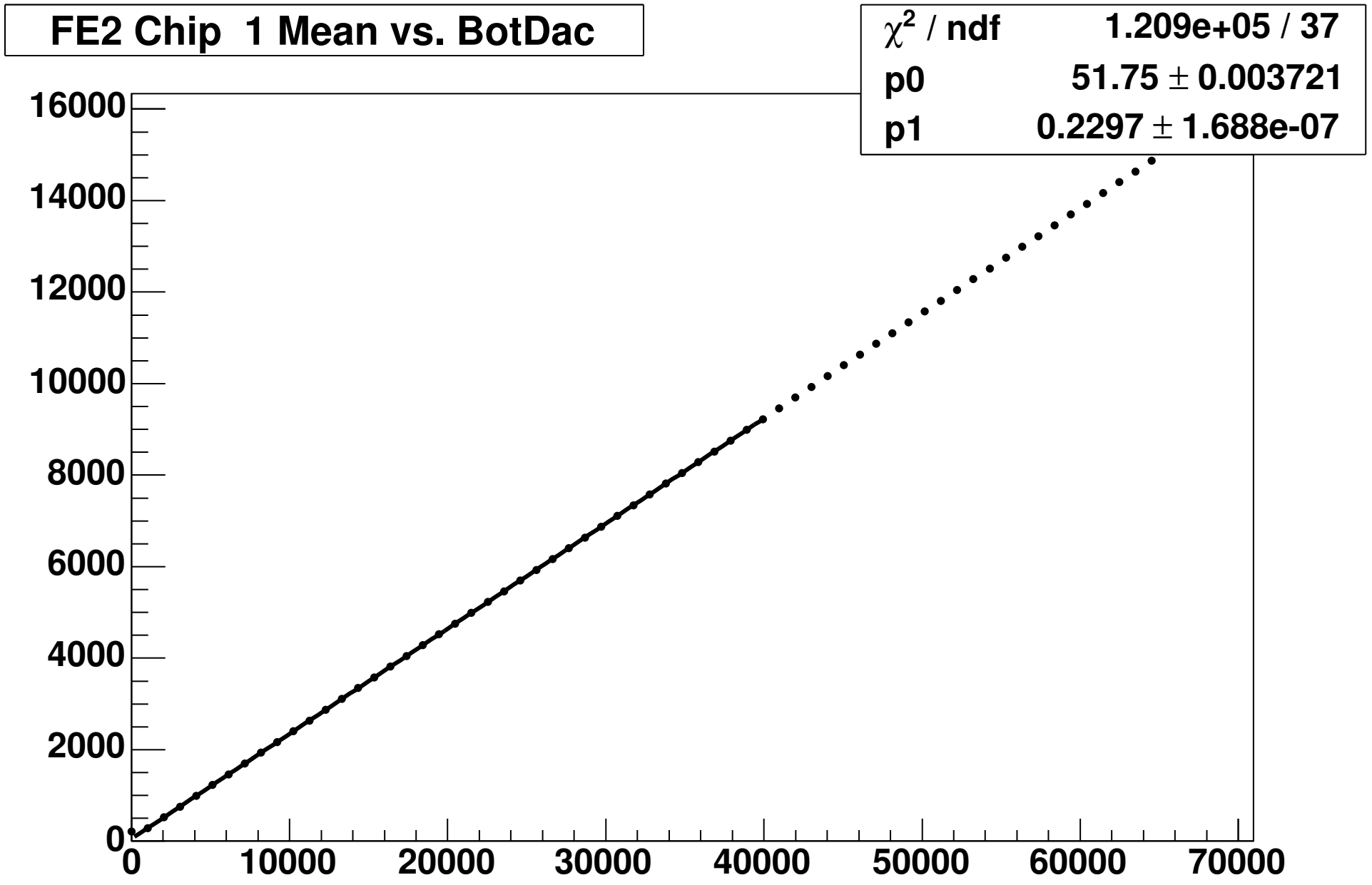
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.209e+05 / 37
p0 51.75 ± 0.003721
p1 0.2297 ± 1.688e-07
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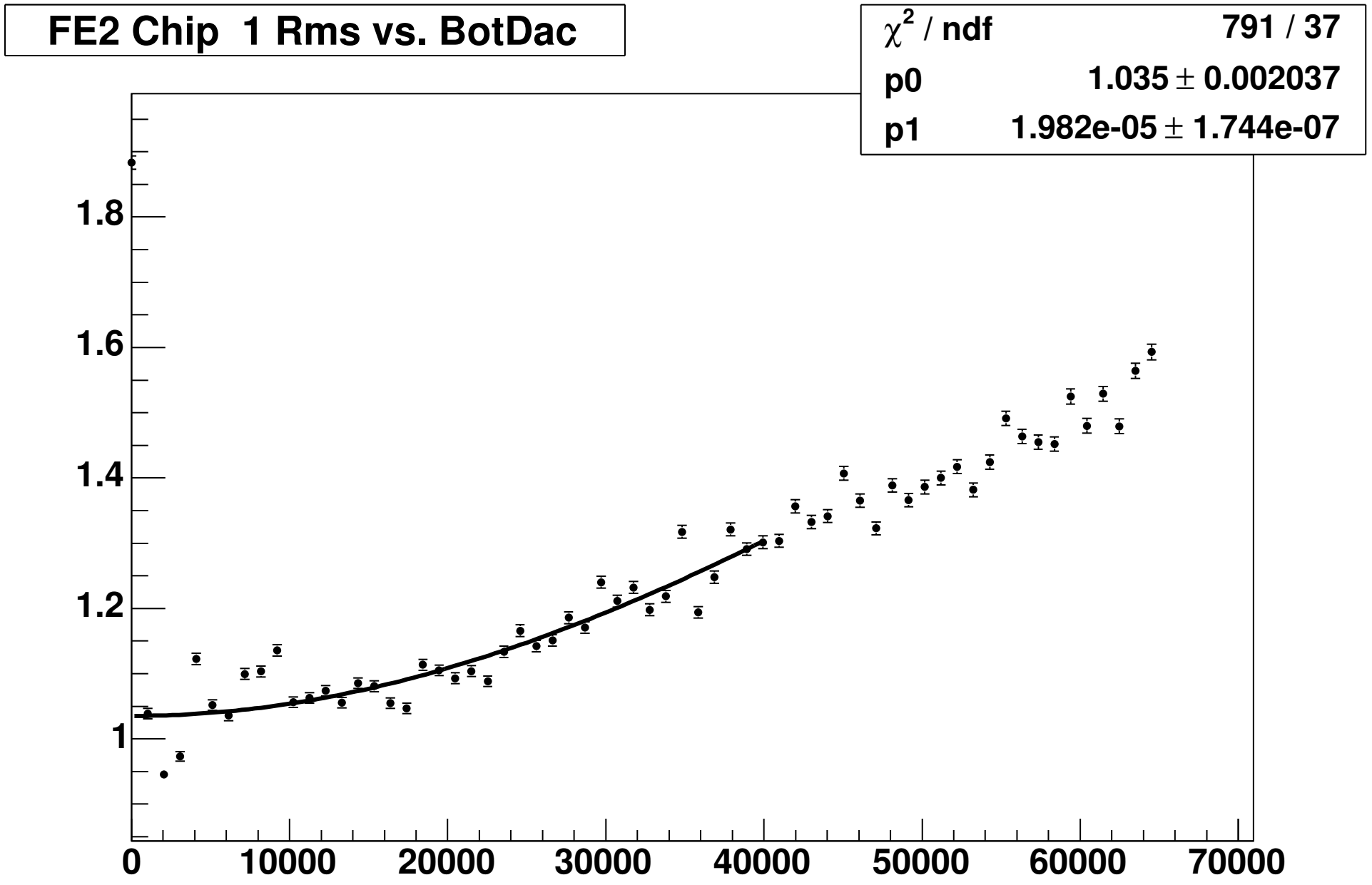
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 791 / 37
p0 1.035 ± 0.002037
p1 1.982e-05 ± 1.744e-07
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
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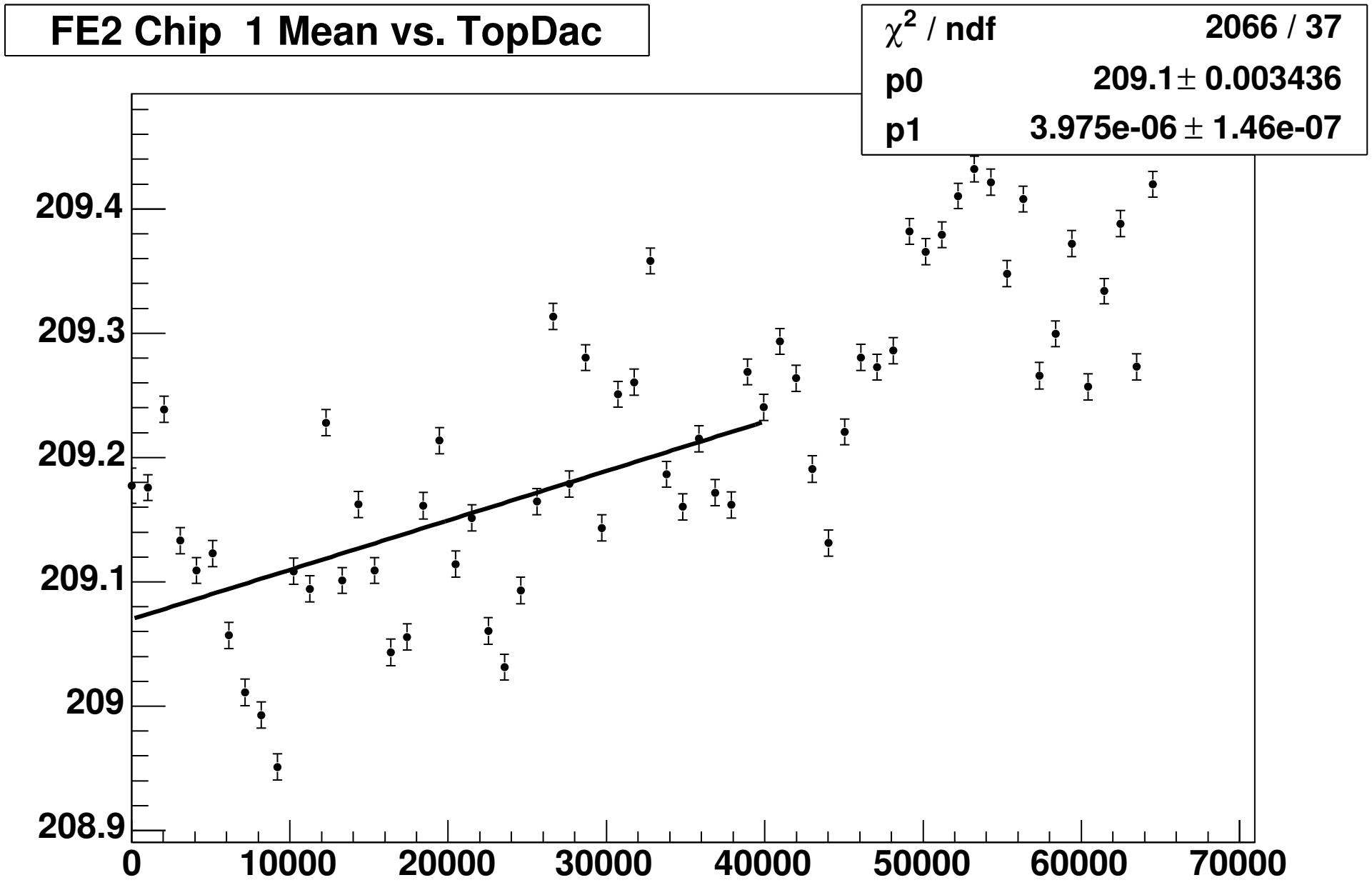
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 2066 / 37
p0 209.1 ± 0.003436
p1 3.975e-06 ± 1.46e-07
209.4
209.3
209.2
209.1
209
208.9
0
10000
20000
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60000
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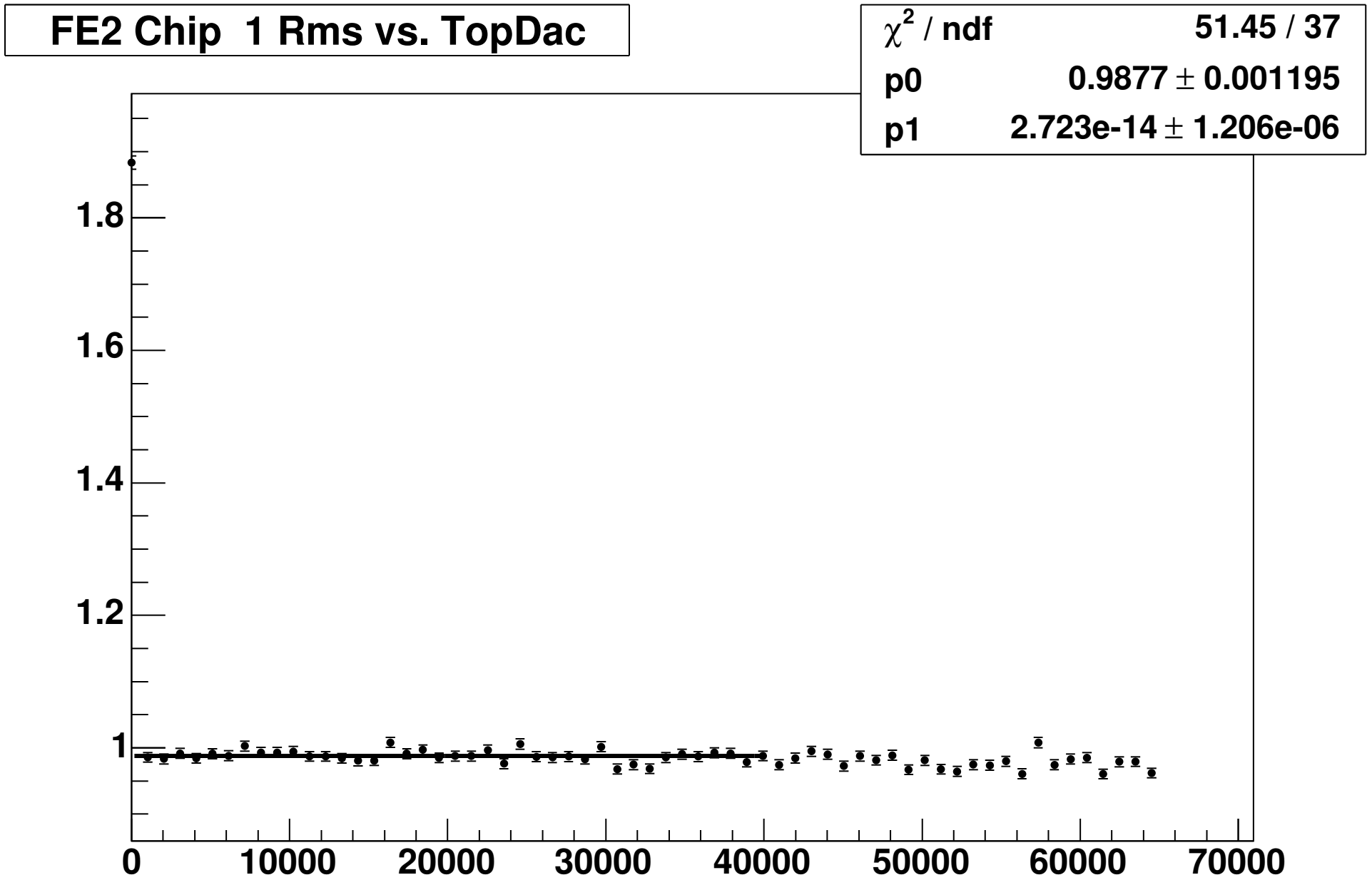
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 51.45 / 37
p0 0.9877 ± 0.001195
p1 2.723e-14 ± 1.206e-06
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
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60000
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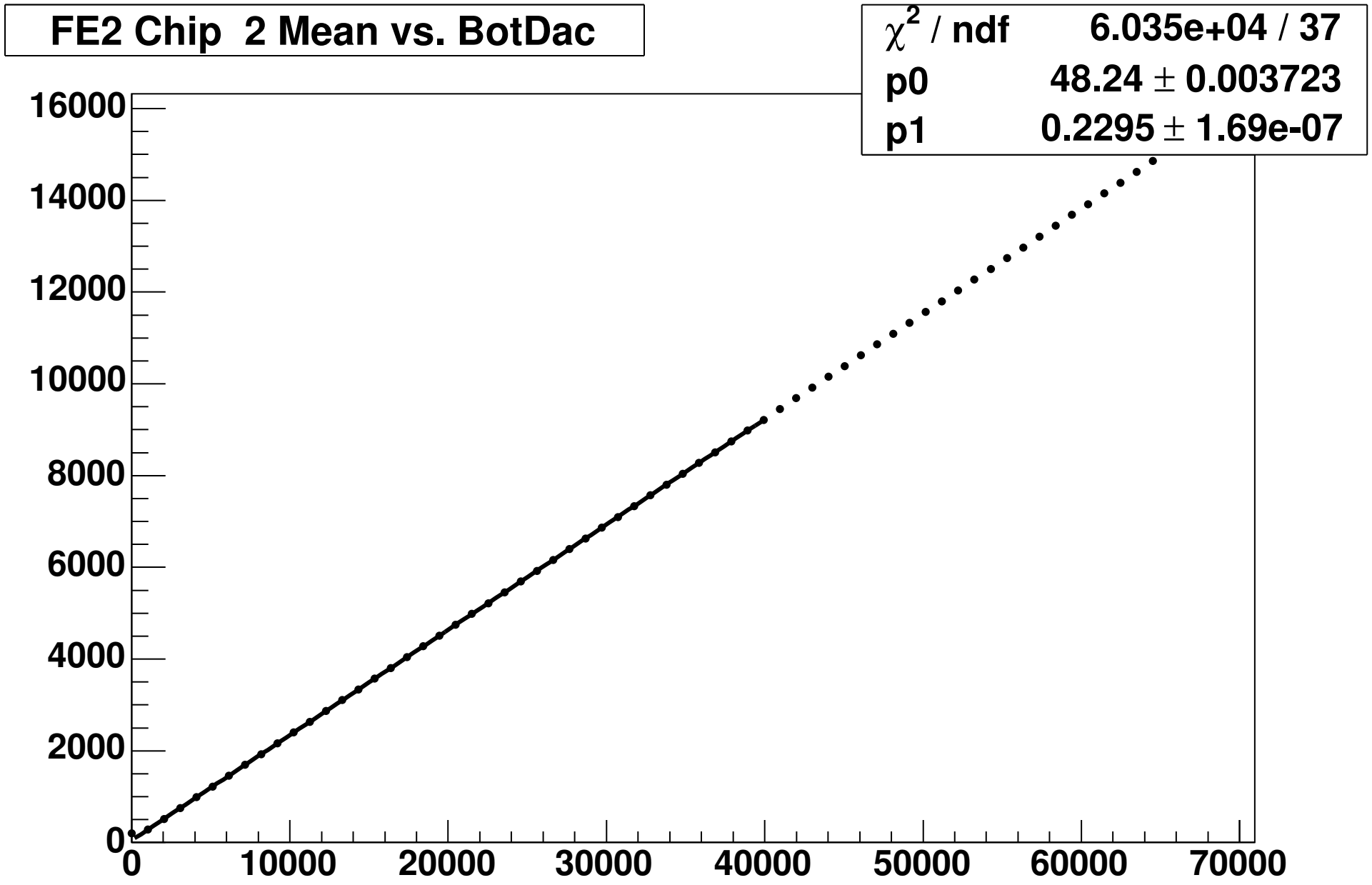
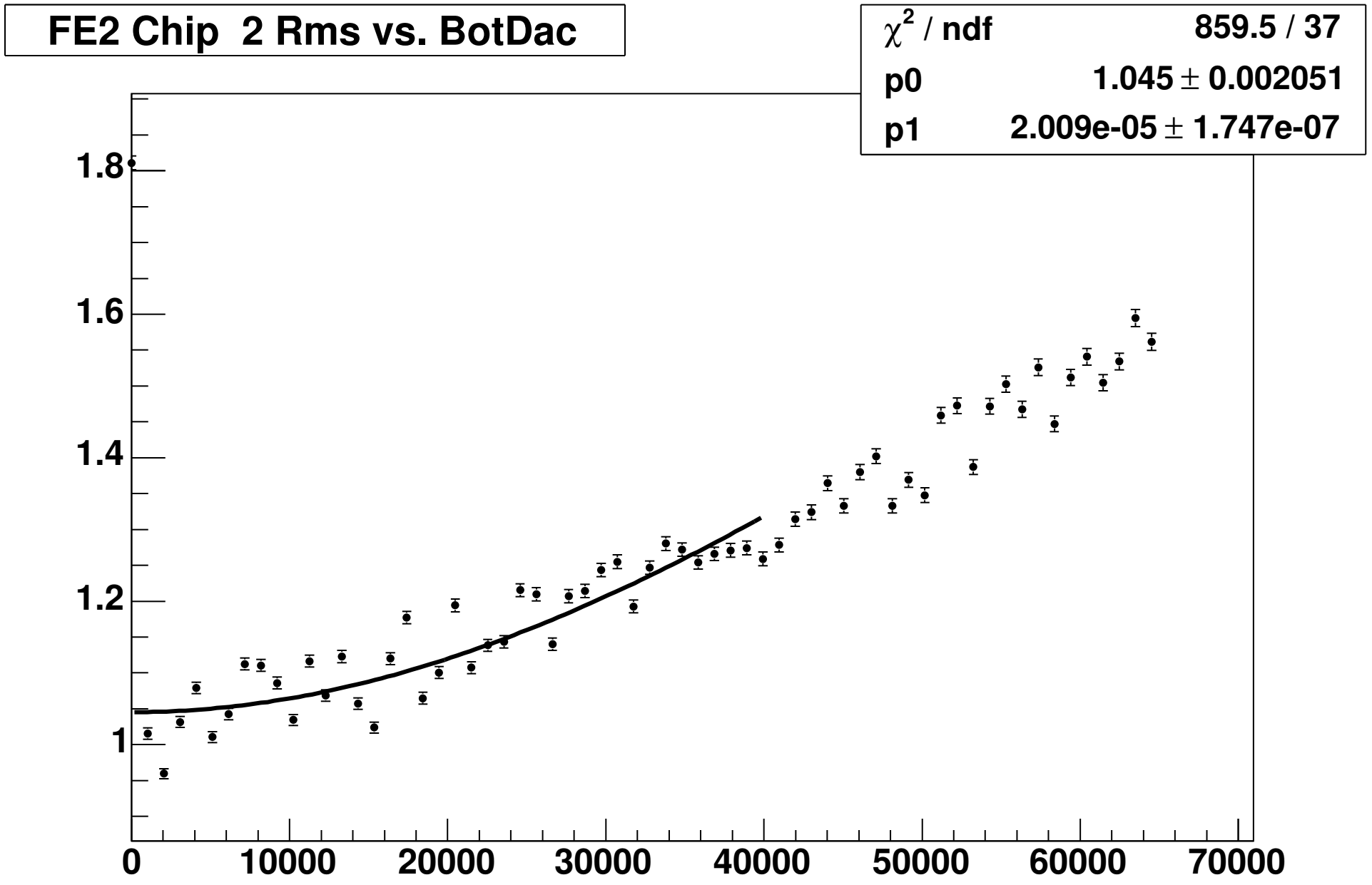

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 6.035e+04 / 37
p0 48.24 ± 0.003723
p1 0.2295 ± 1.69e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 859.5 / 37
p0 1.045 ± 0.002051
p1 2.009e-05 ± 1.747e-07
1.8
1.6
1.4
1.2
1
0
10000
20000
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40000
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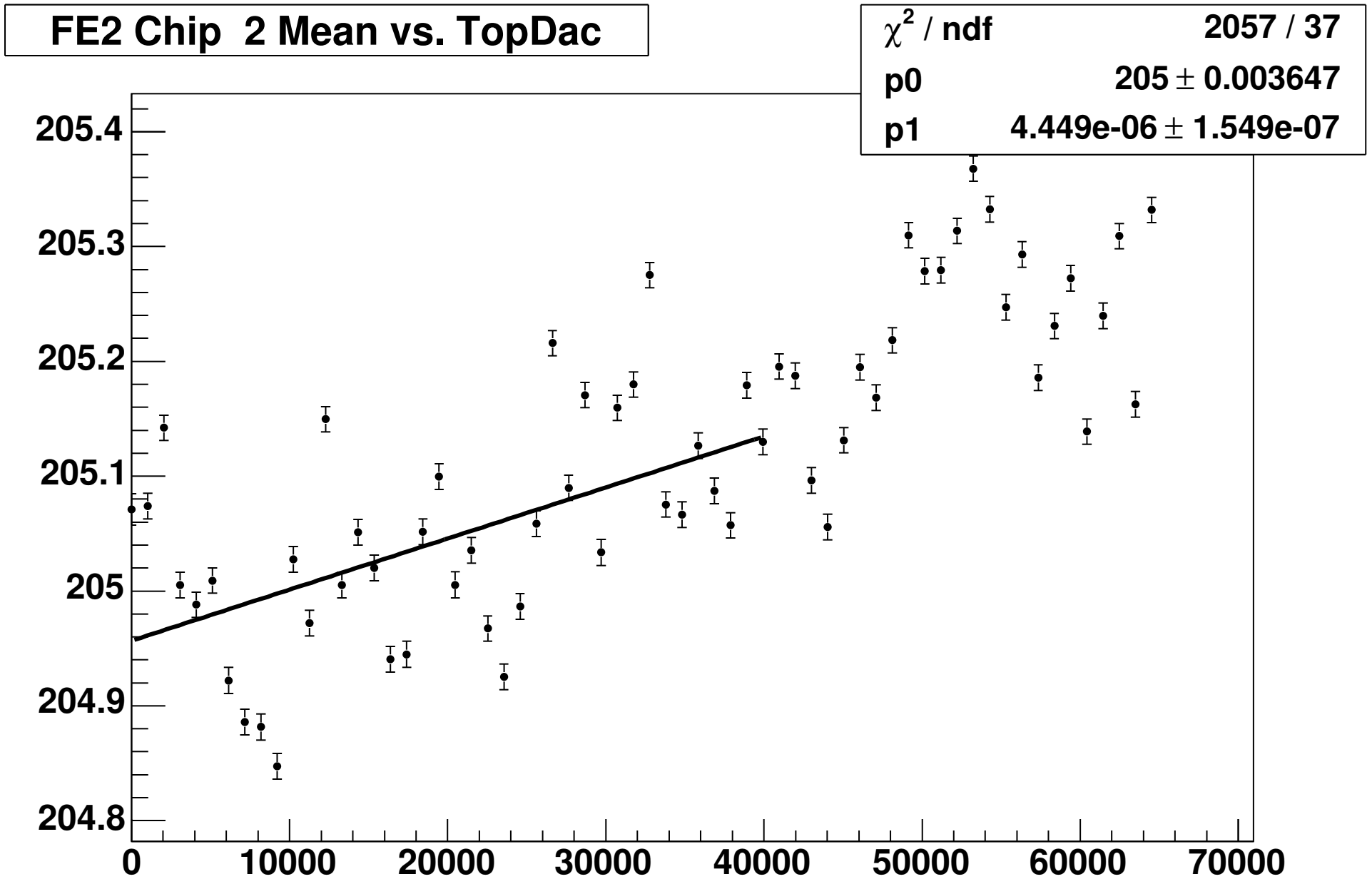
FE2 Chip 2 Mean vs. TopDac
χ² / ndf 2057 / 37
p0 205 ± 0.003647
p1 4.449e-06 ± 1.549e-07
205.4
205.3
205.2
205.1
205
204.9
204.8
0
10000
20000
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50000
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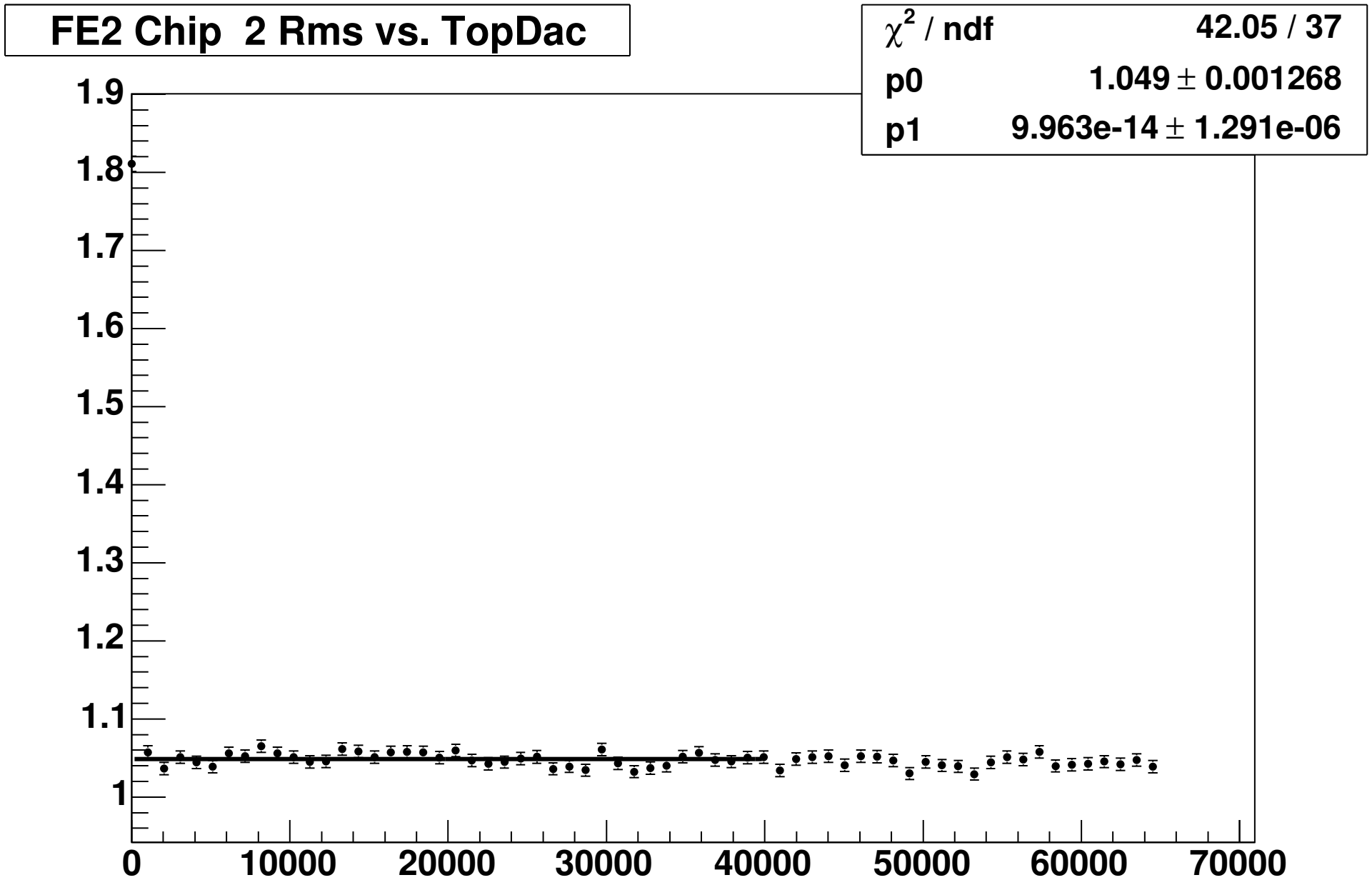
FE2 Chip 2 Rms vs. TopDac
χ² / ndf 42.05 / 37
p0 1.049 ± 0.001268
p1 9.963e-14 ± 1.291e-06
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
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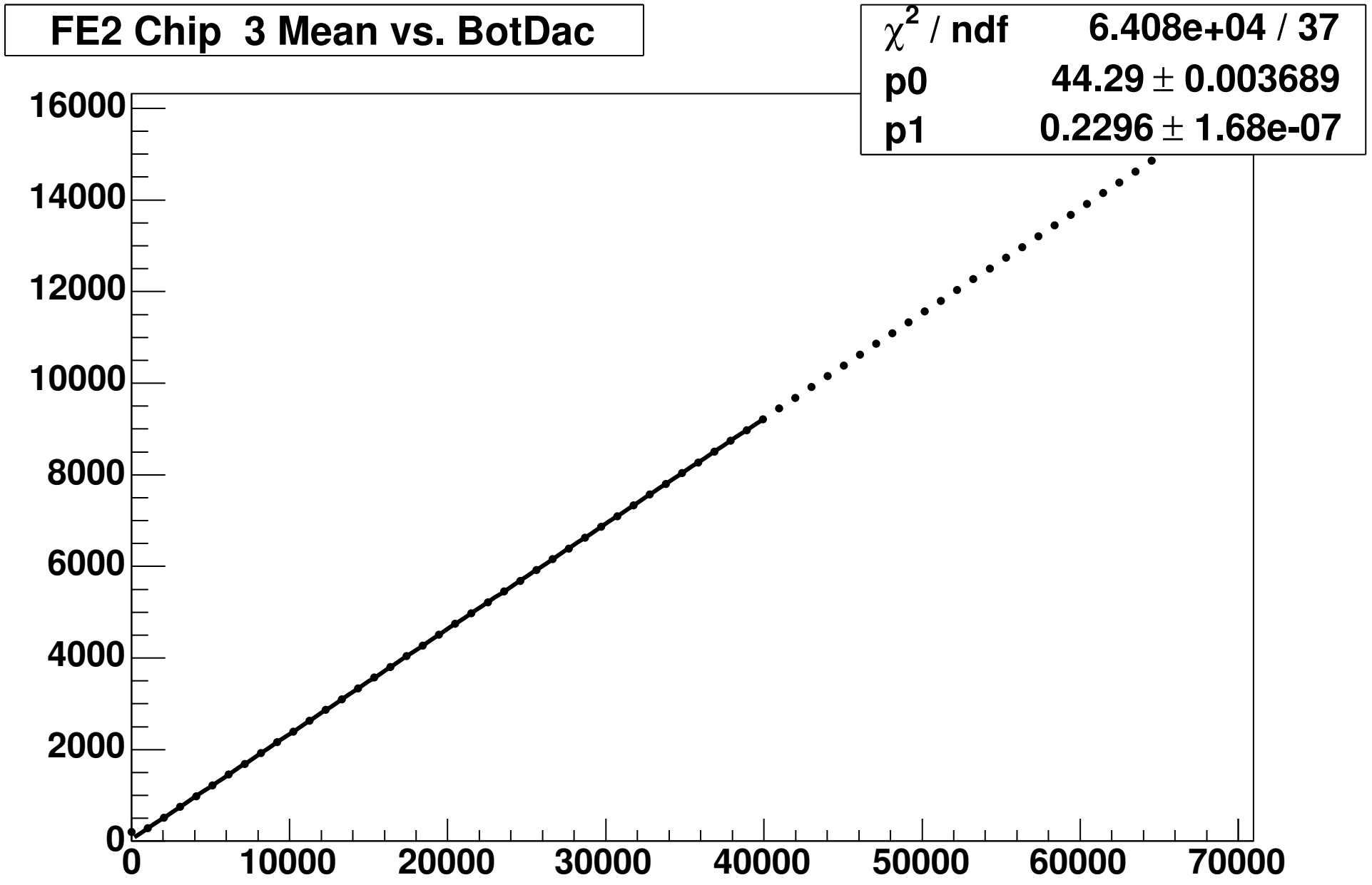
FE2 Chip 3 Mean vs. BotDac
χ² / ndf 6.408e+04 / 37
p0 44.29 ± 0.003689
p1 0.2296 ± 1.68e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
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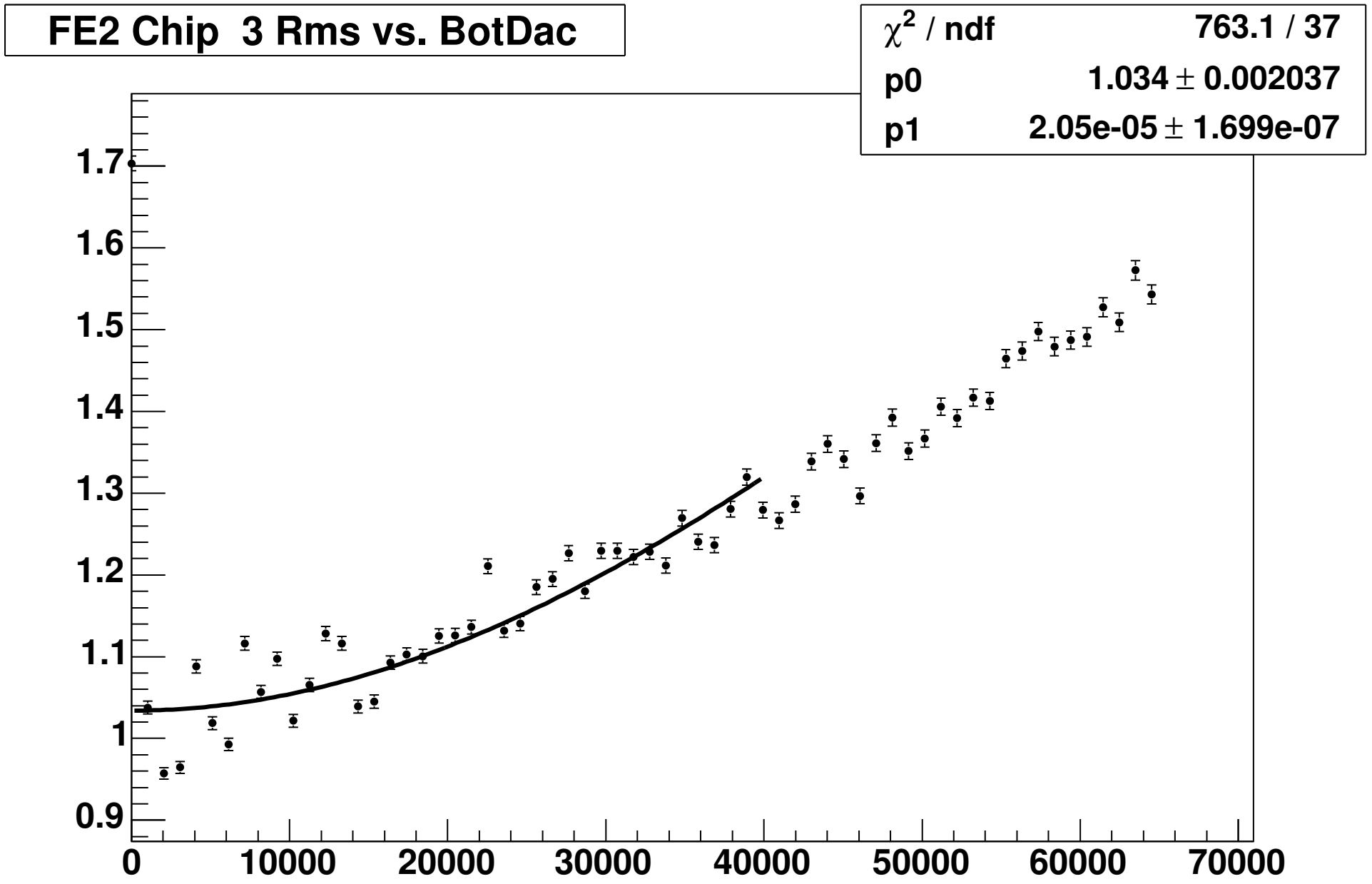
FE2 Chip 3 Rms vs. BotDac
χ² / ndf 763.1 / 37
p0 1.034 ± 0.002037
p1 2.05e-05 ± 1.699e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
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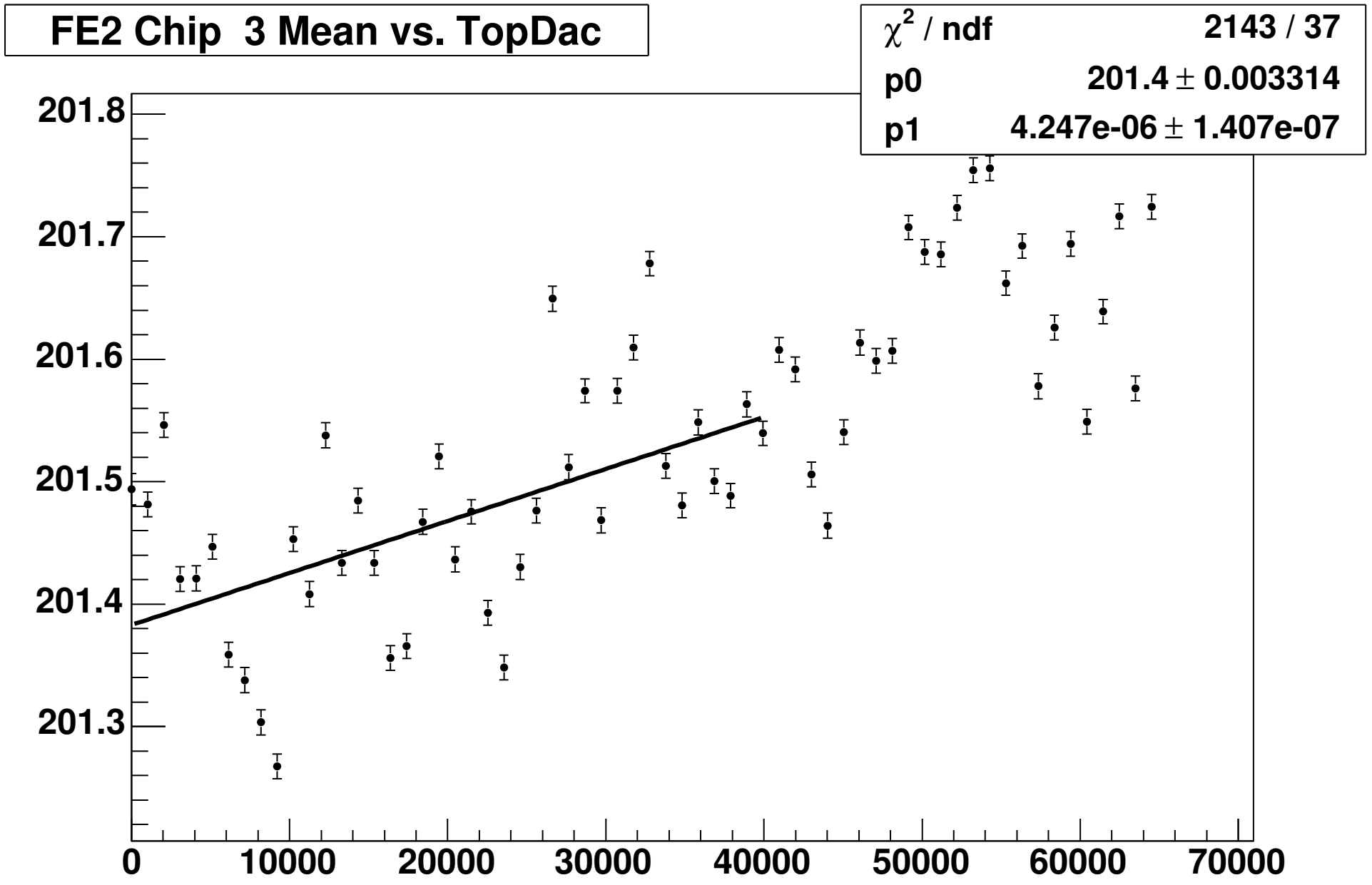
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 2143 / 37
p0 201.4 ± 0.003314
p1 4.247e-06 ± 1.407e-07
201.8
201.7
201.6
201.5
201.4
201.3
0
10000
20000
30000
40000
50000
60000
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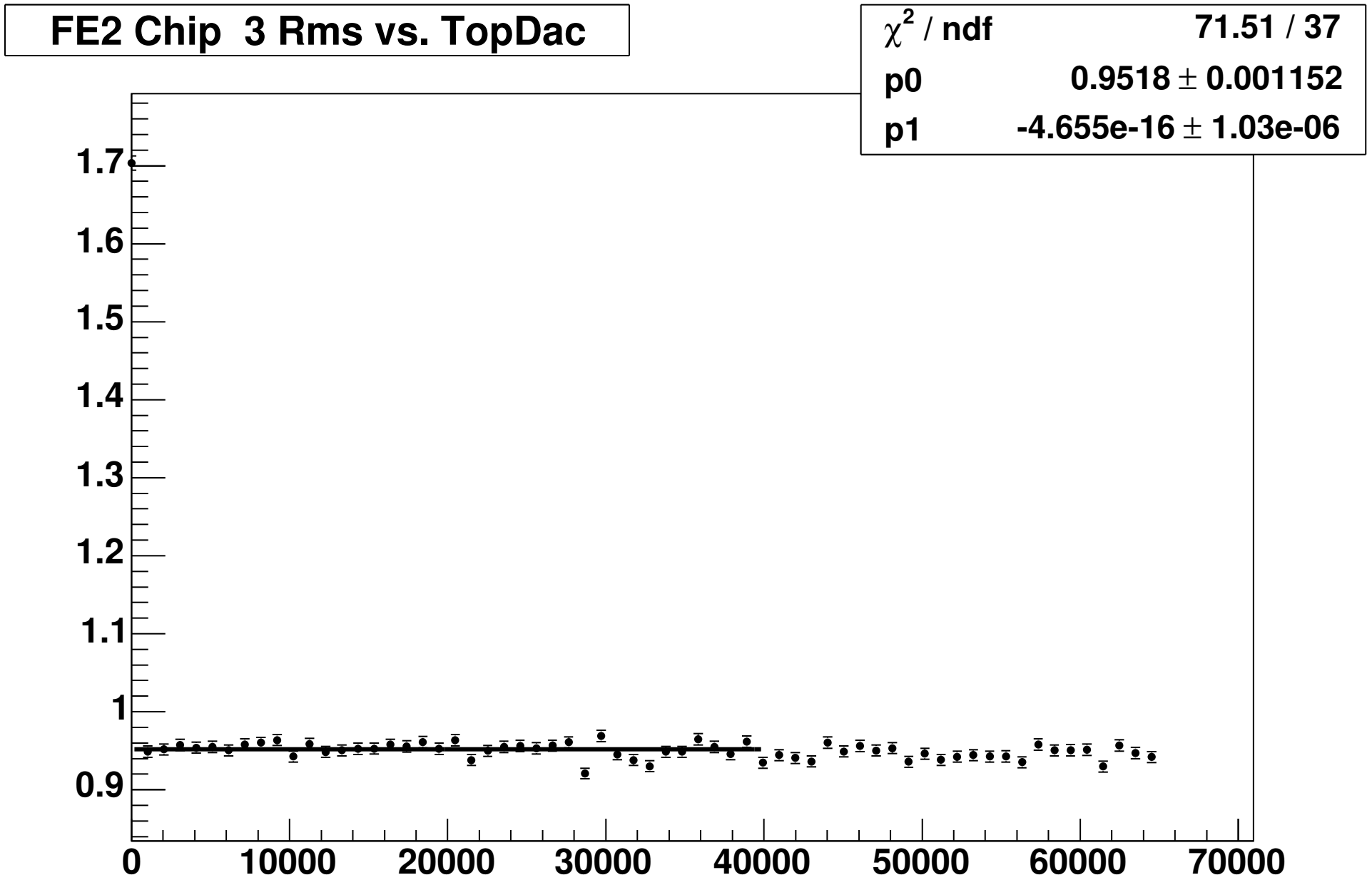
FE2 Chip 3 Rms vs. TopDac
χ² / ndf 71.51 / 37
p0 0.9518 ± 0.001152
p1 -4.655e-16 ± 1.03e-06
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
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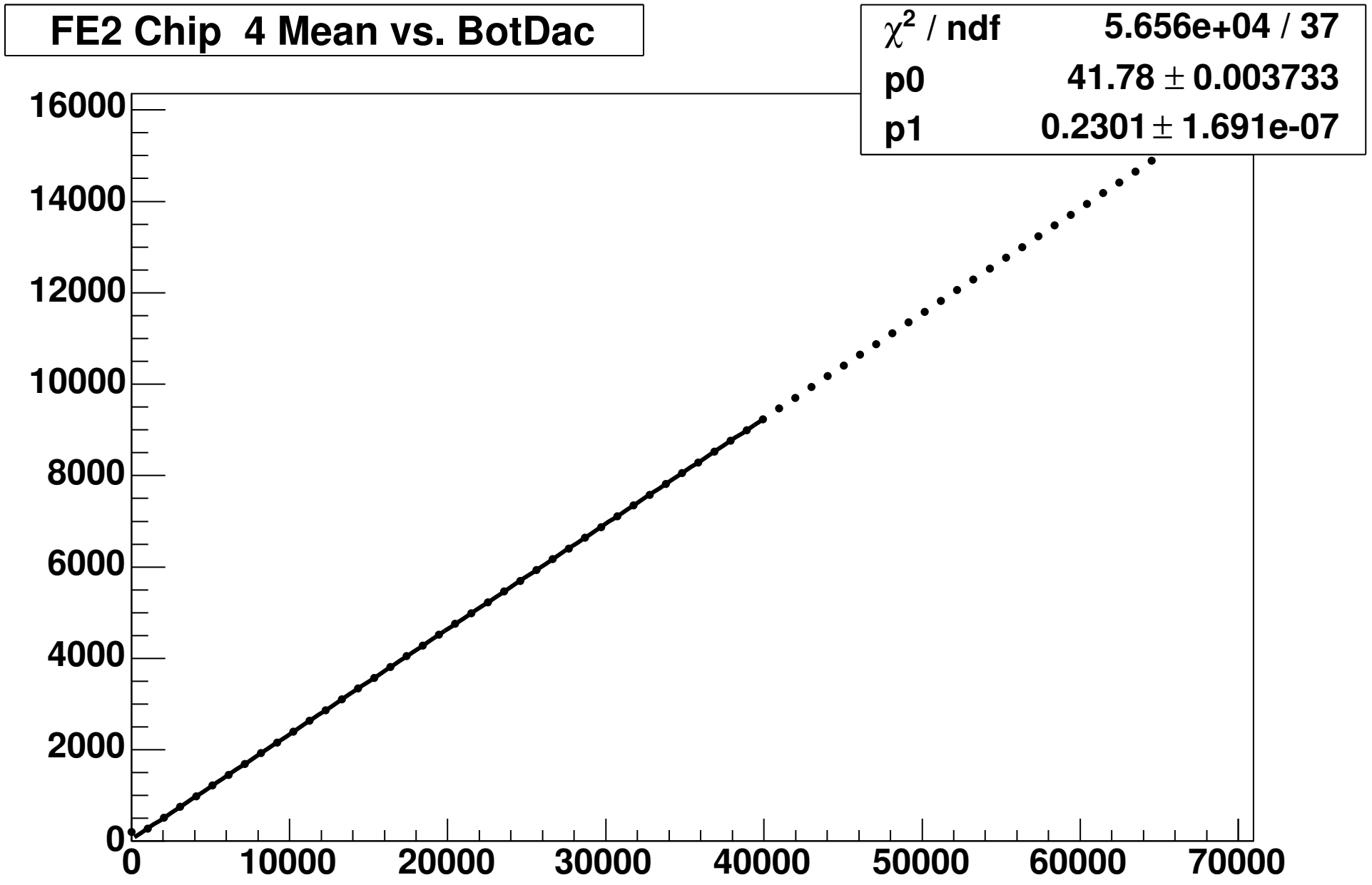
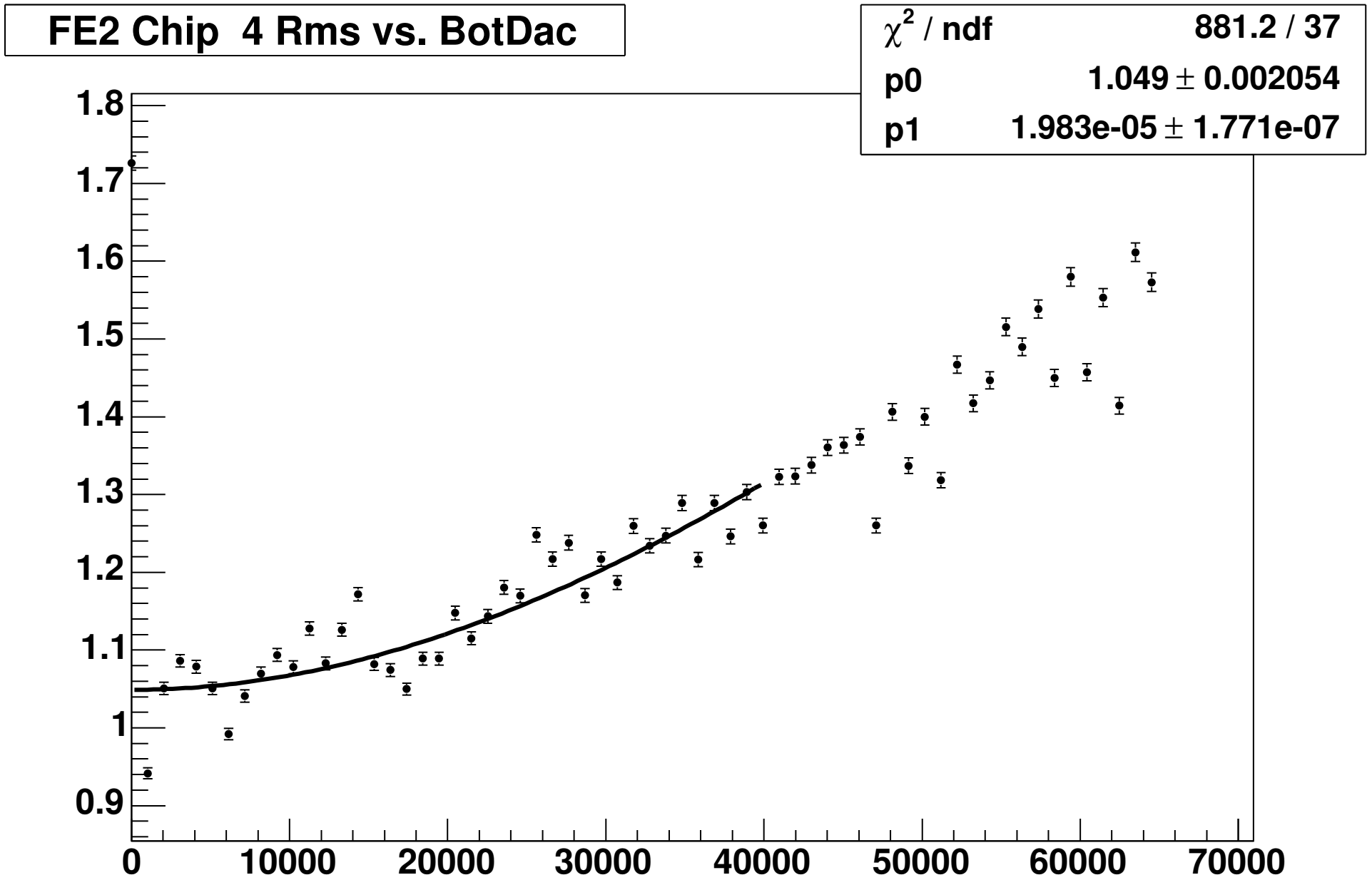
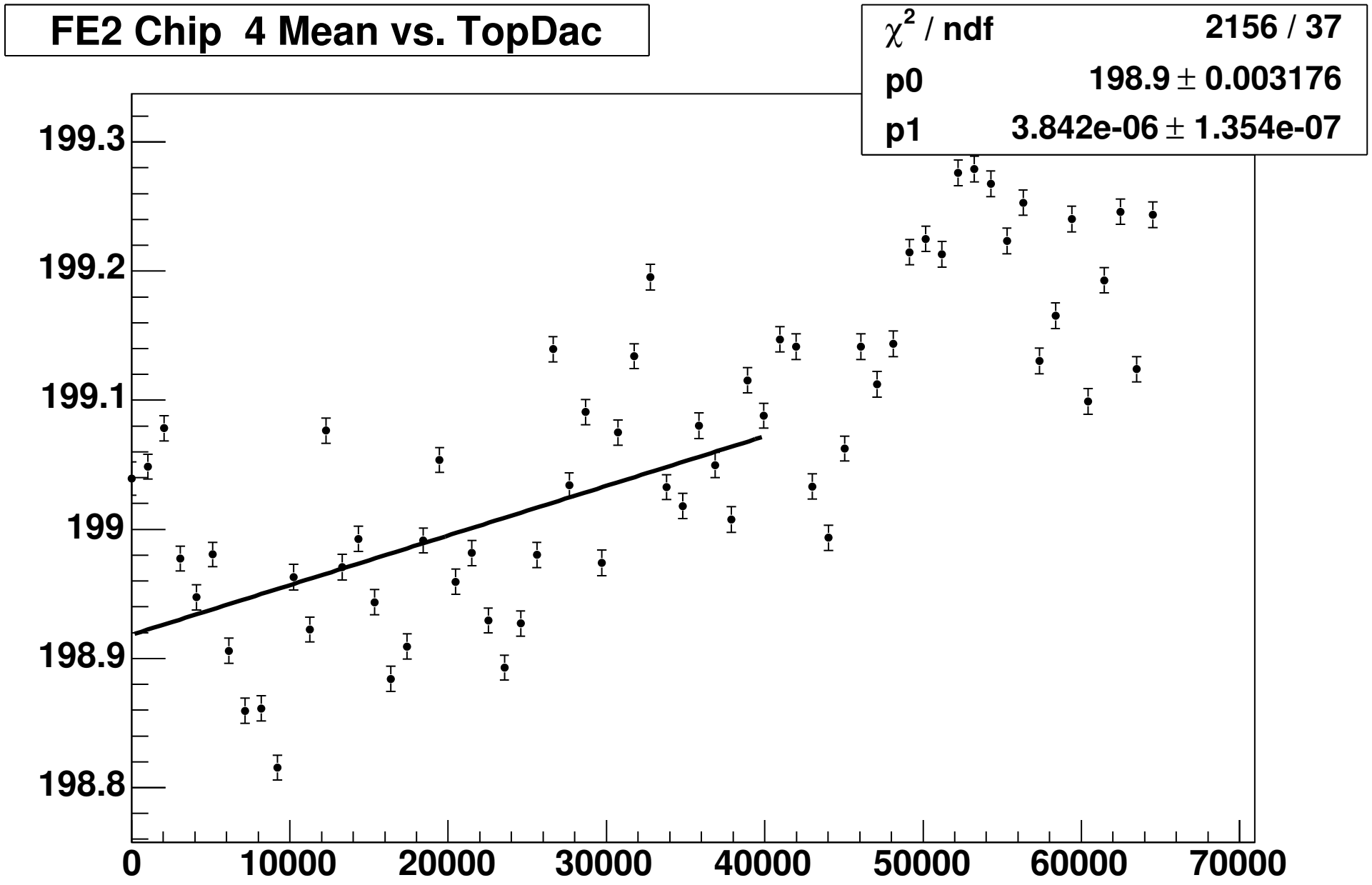
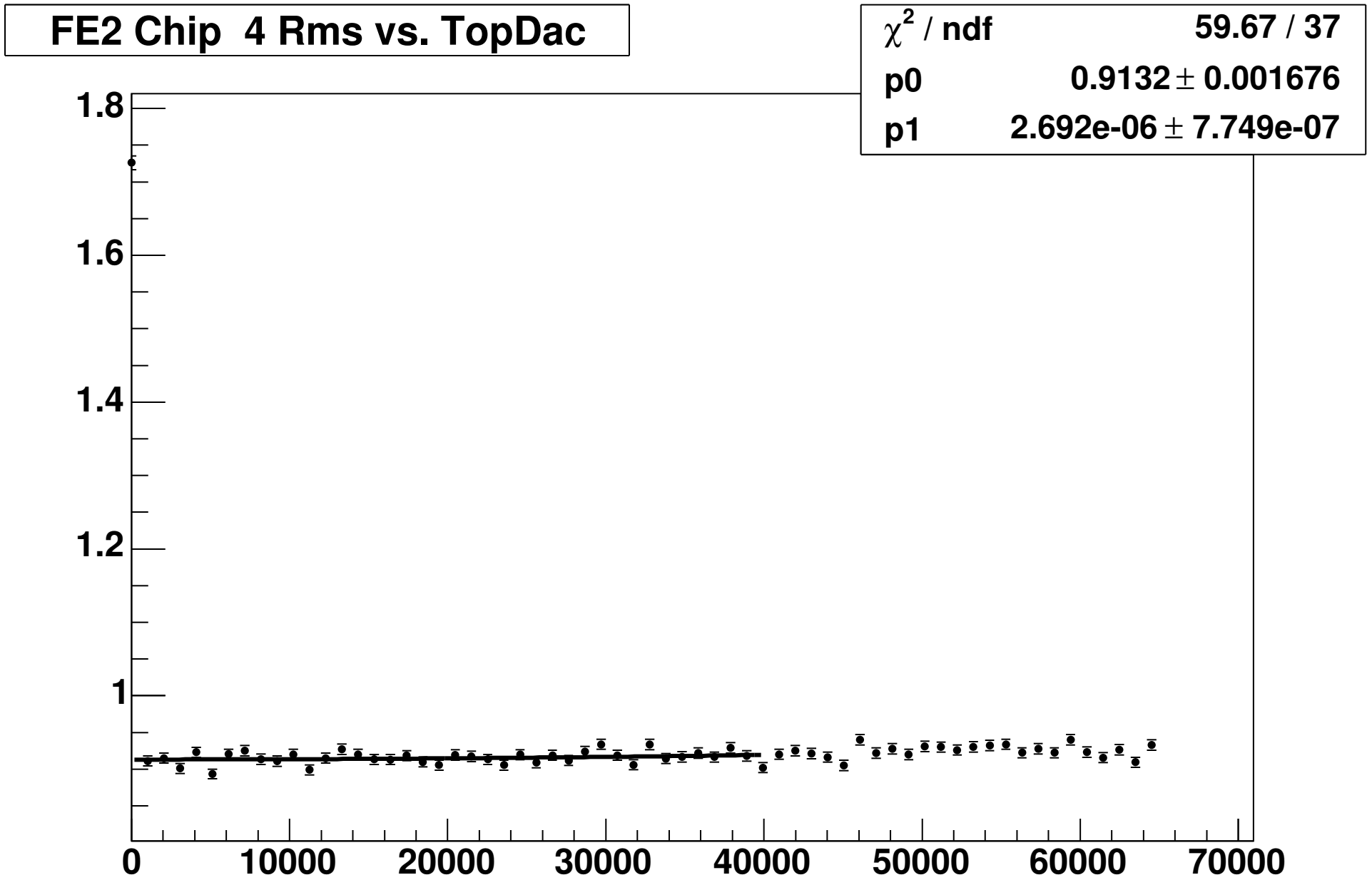

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 5.656e+04 / 37
p0 41.78 ± 0.003733
p1 0.2301 ± 1.691e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 881.2 / 37
p0 1.049 ± 0.002054
p1 1.983e-05 ± 1.771e-07
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 2156 / 37
p0 198.9 ± 0.003176
p1 3.842e-06 ± 1.354e-07
199.3
199.2
199.1
199
198.9
198.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 59.67 / 37
p0 0.9132 ± 0.001676
p1 2.692e-06 ± 7.749e-07
1.8
1.6
1.4
1.2
1
0
10000
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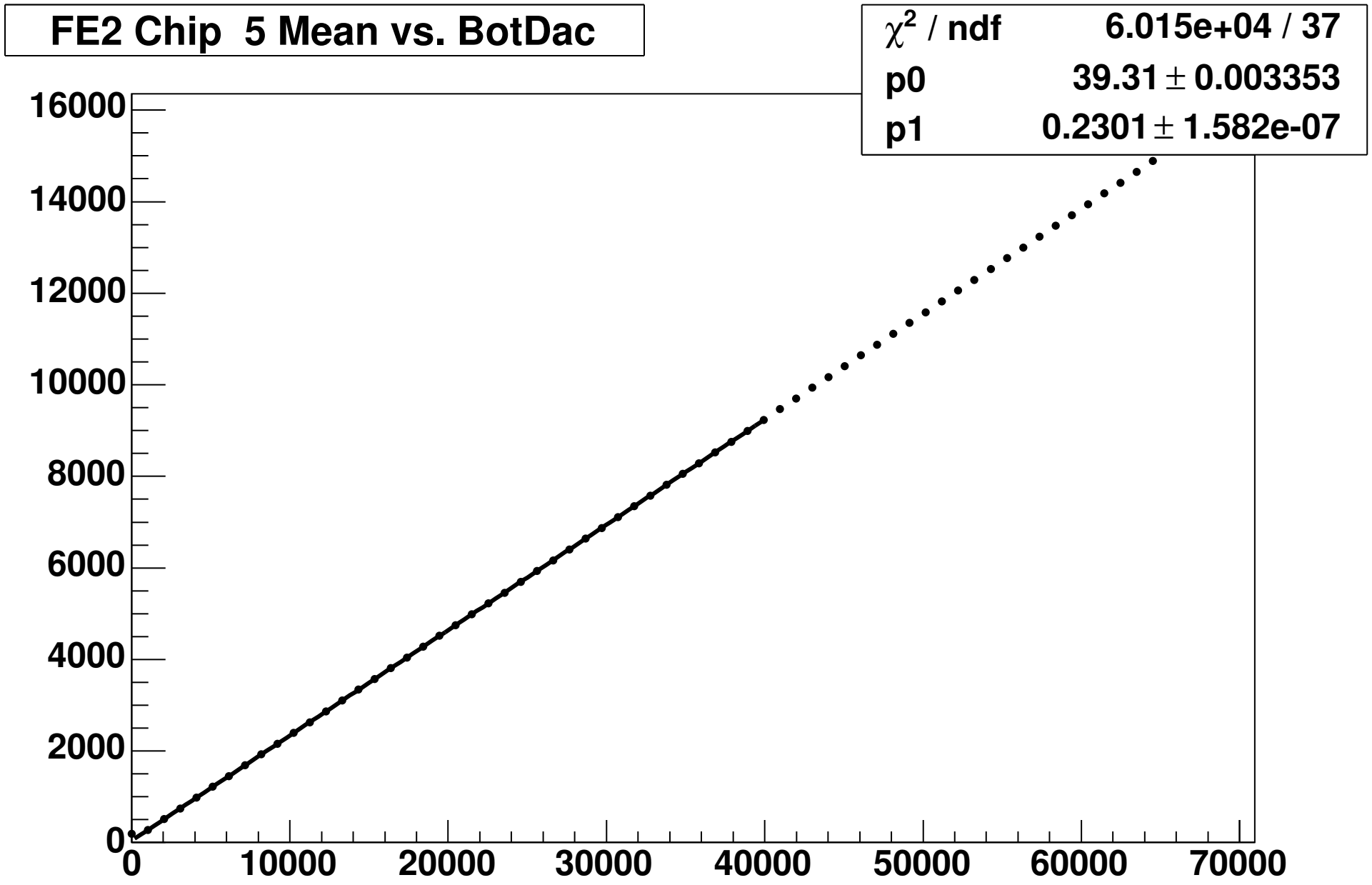
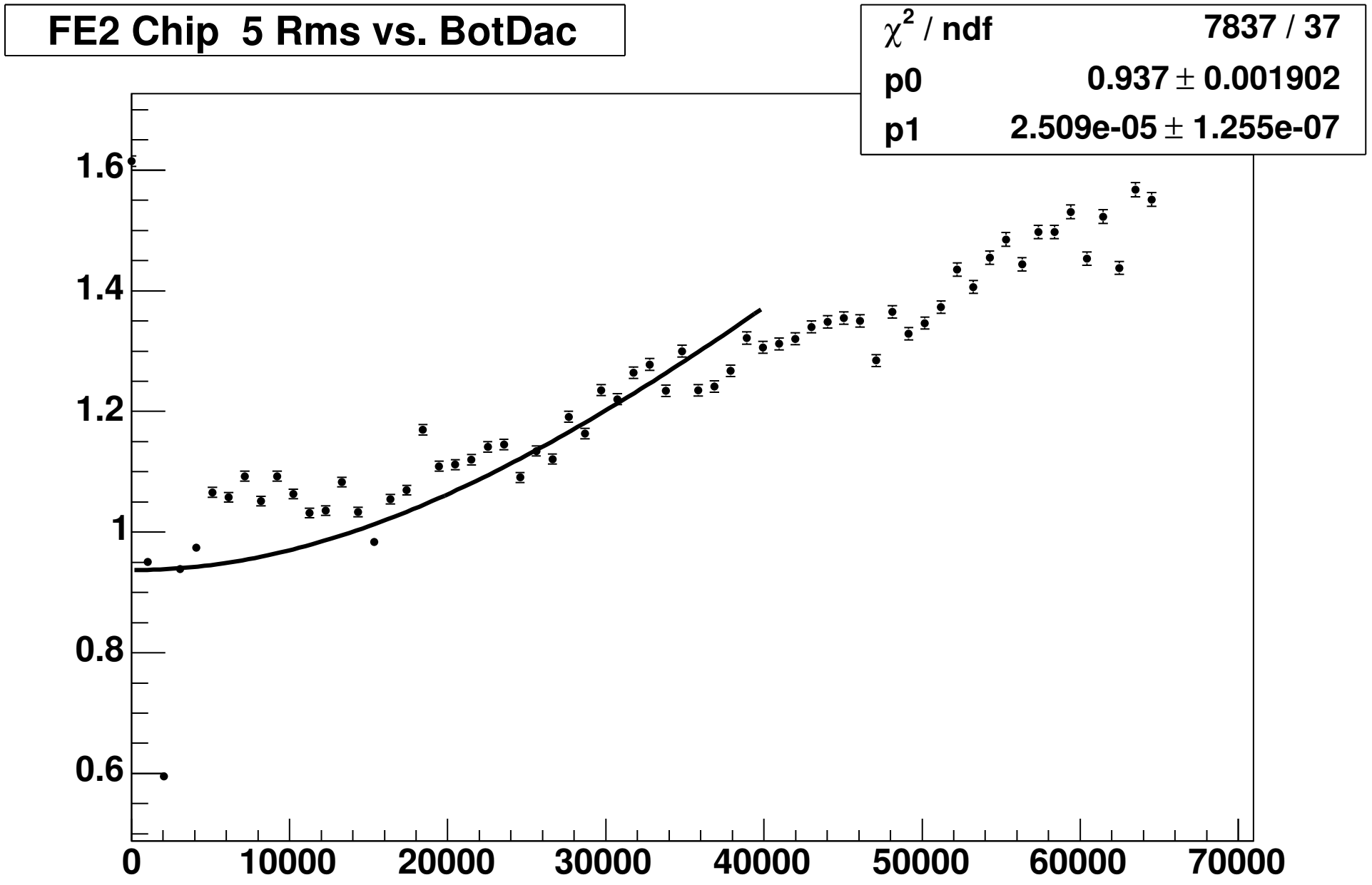
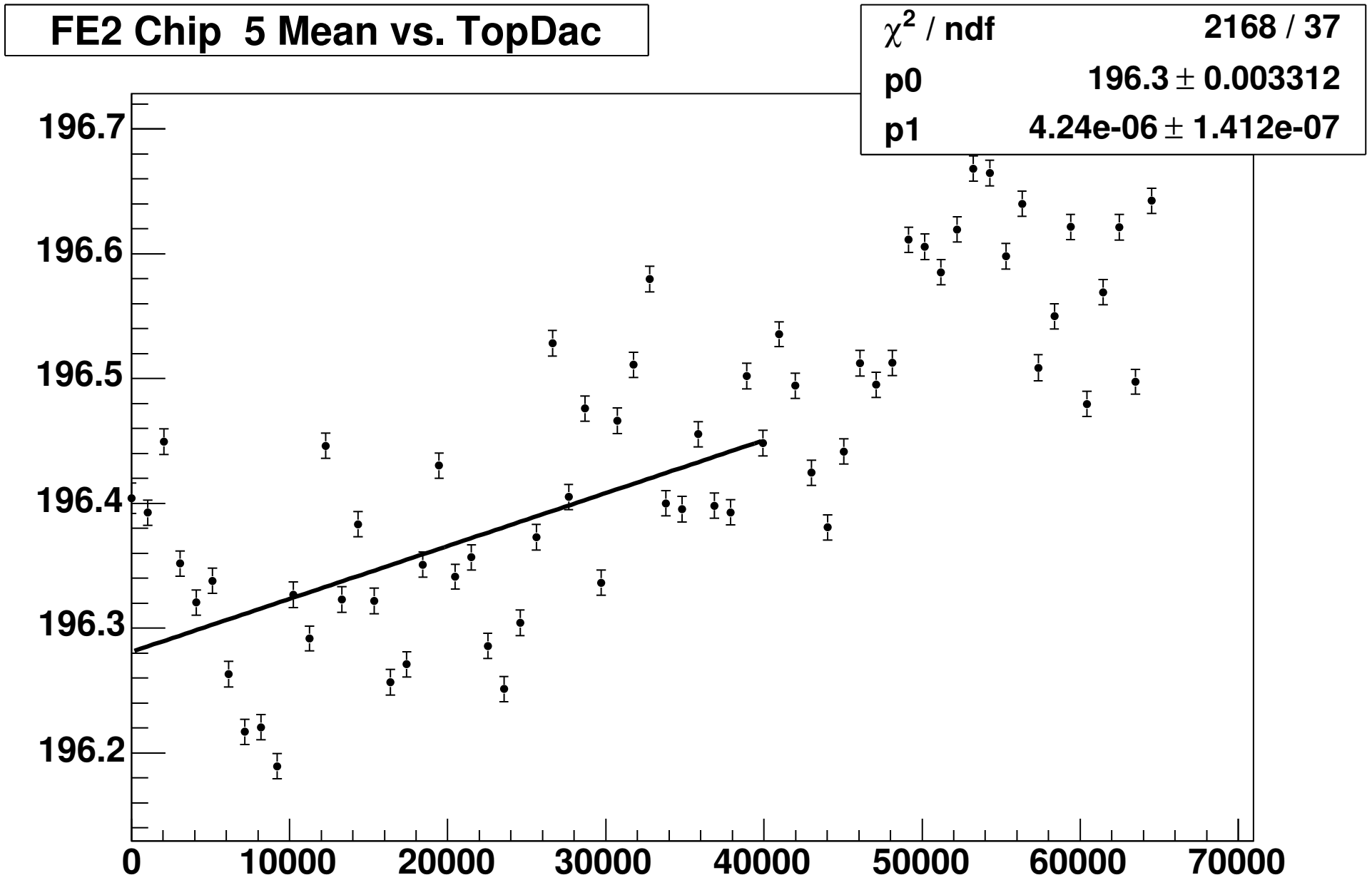
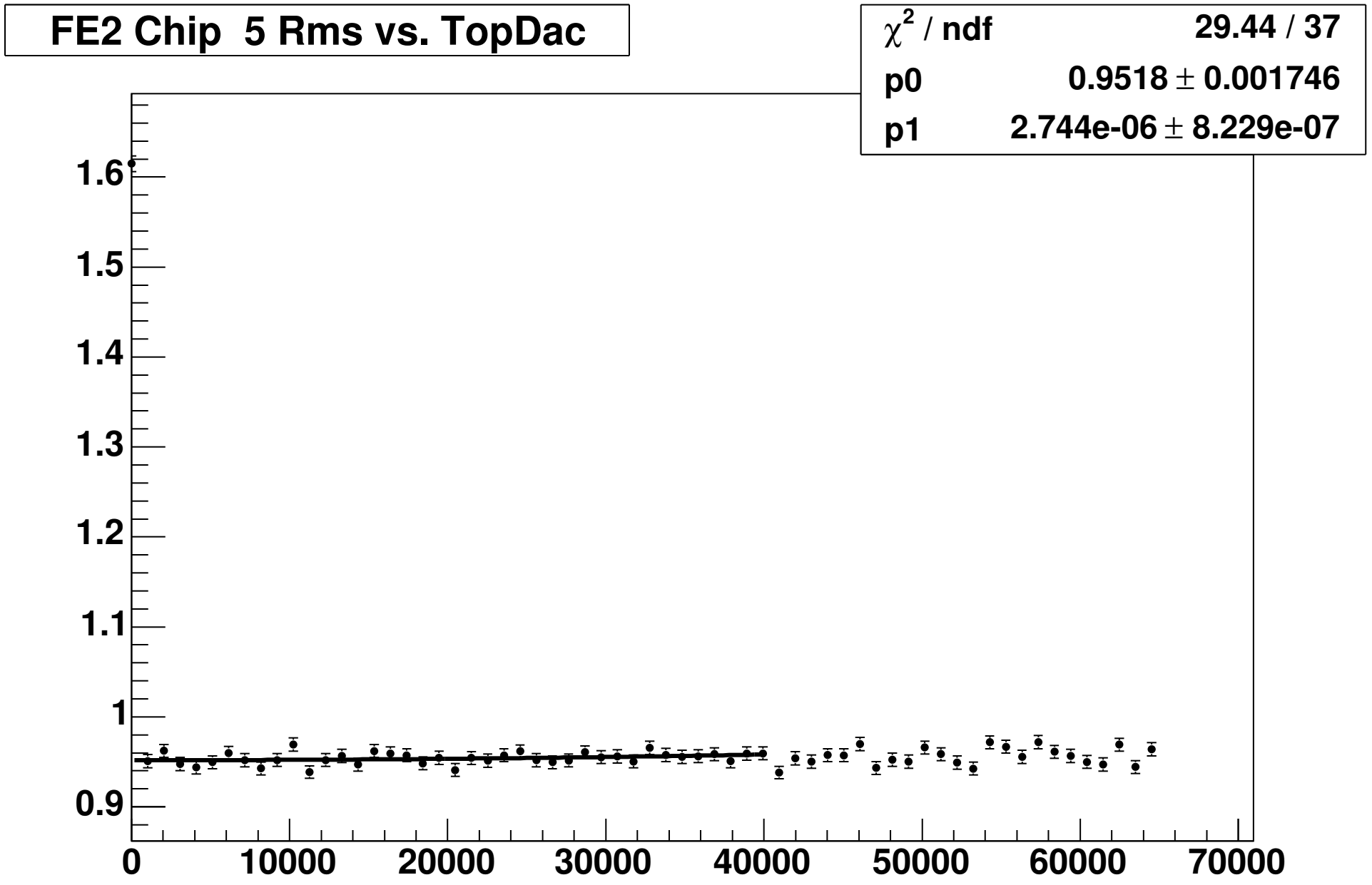
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 6.015e+04 / 37
p0 39.31 ± 0.003353
p1 0.2301 ± 1.582e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 7837 / 37
p0 0.937 ± 0.001902
p1 2.509e-05 ± 1.255e-07
1.6
1.4
1.2
1
0.8
0.6
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ^2 / ndf 2168 / 37
p0 196.3 ± 0.003312
p1 4.24e-06 ± 1.412e-07
196.7
196.6
196.5
196.4
196.3
196.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 29.44 / 37
p0 0.9518 ± 0.001746
p1 2.744e-06 ± 8.229e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
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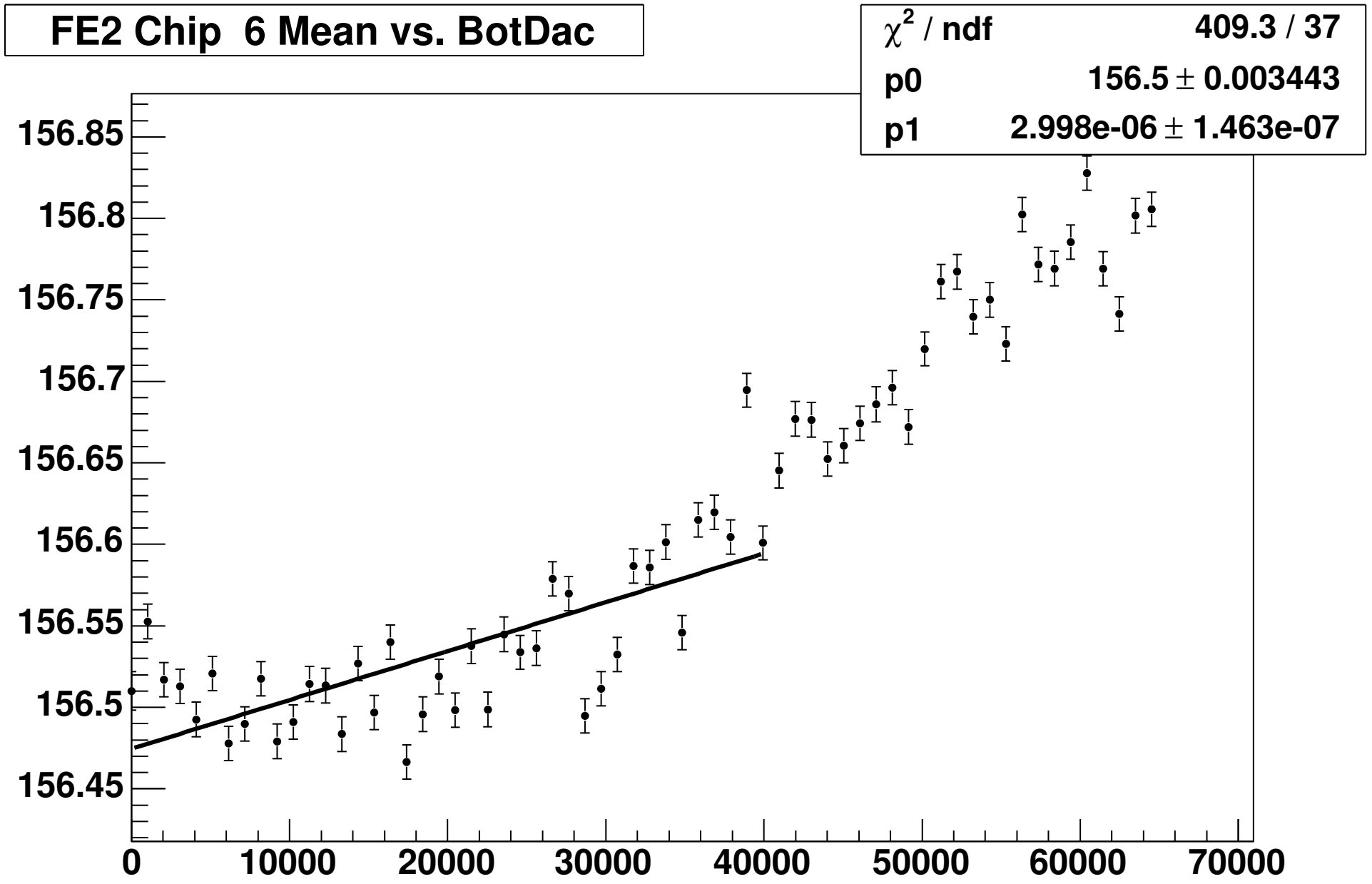
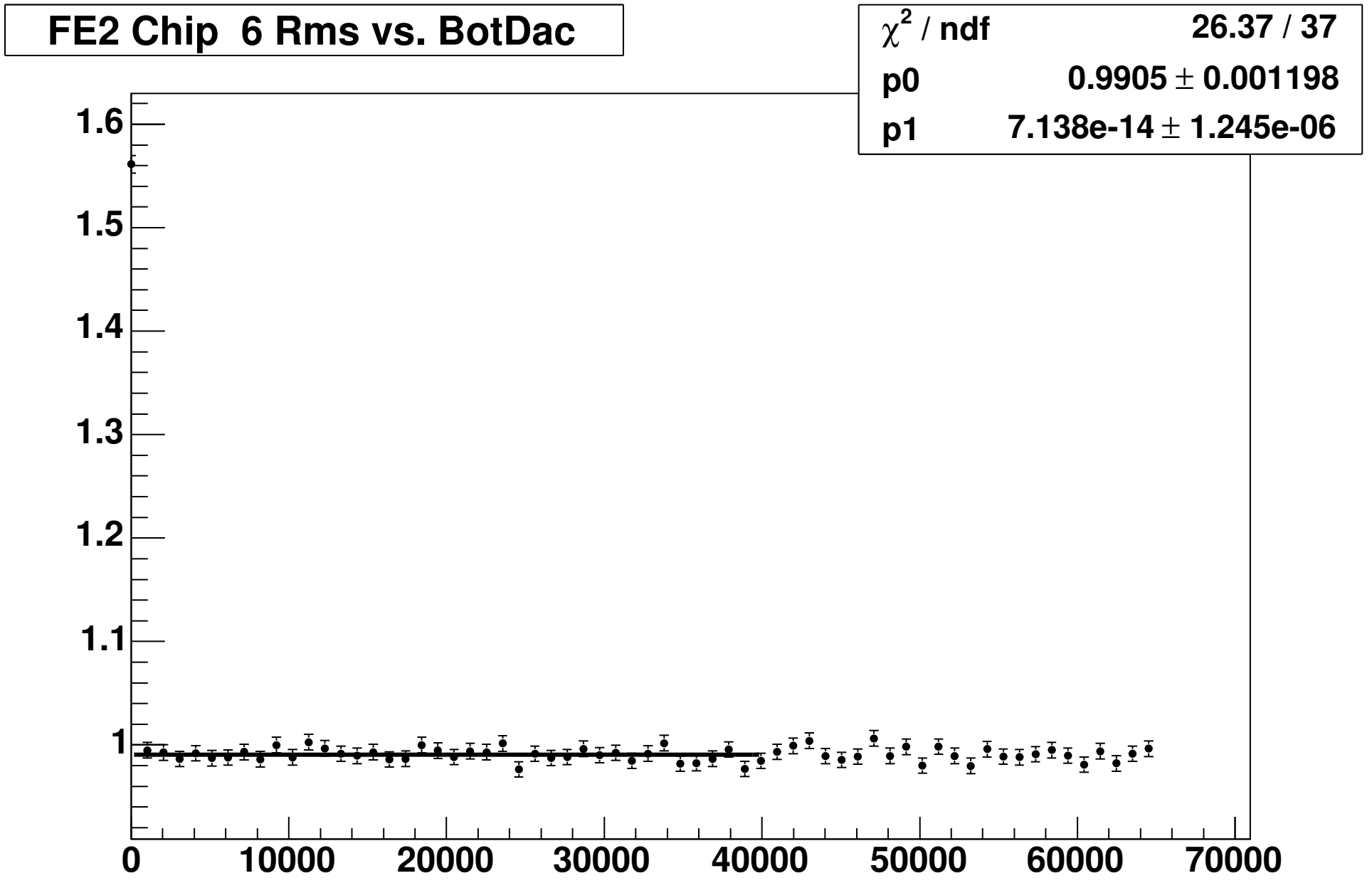
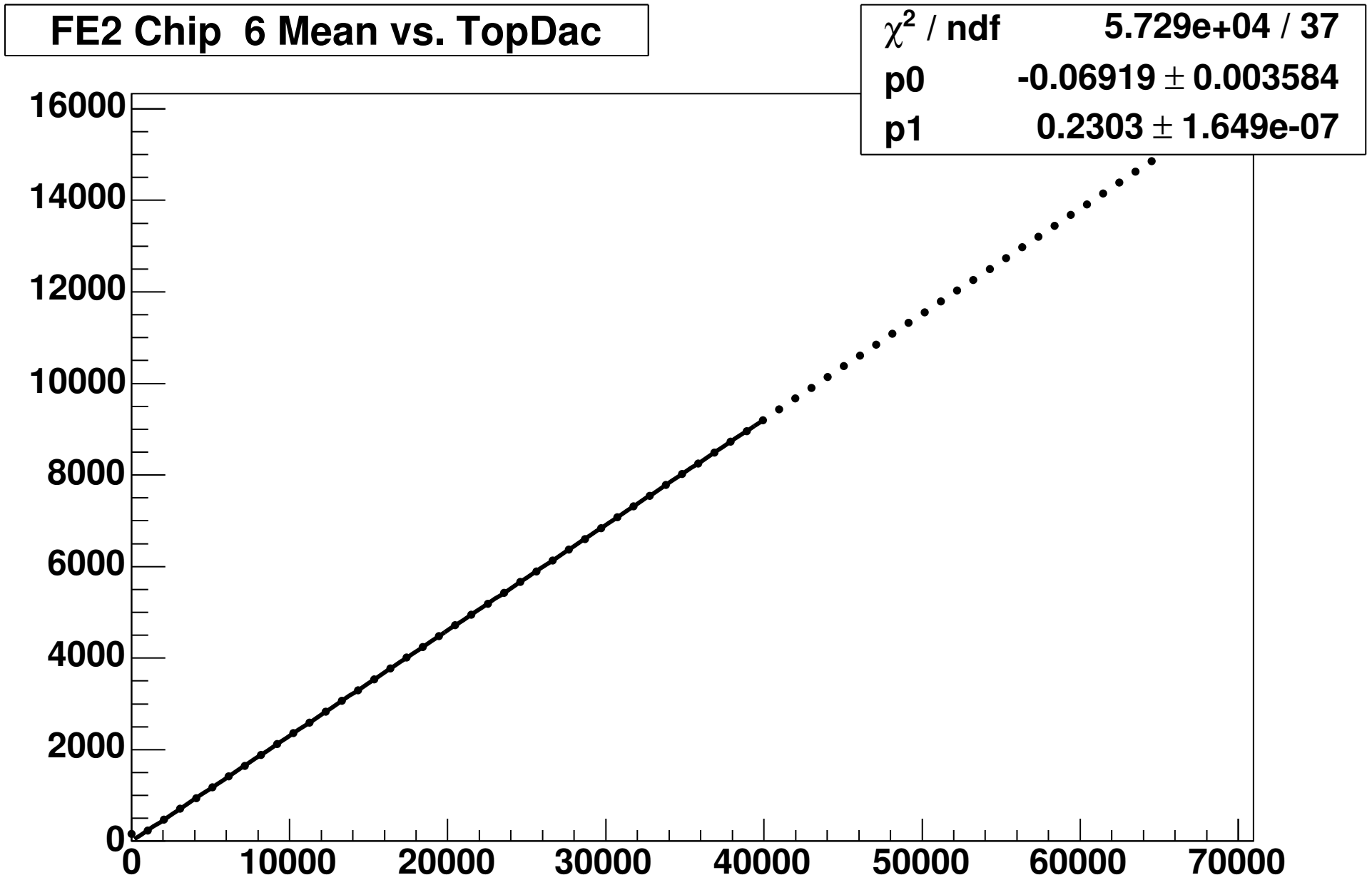
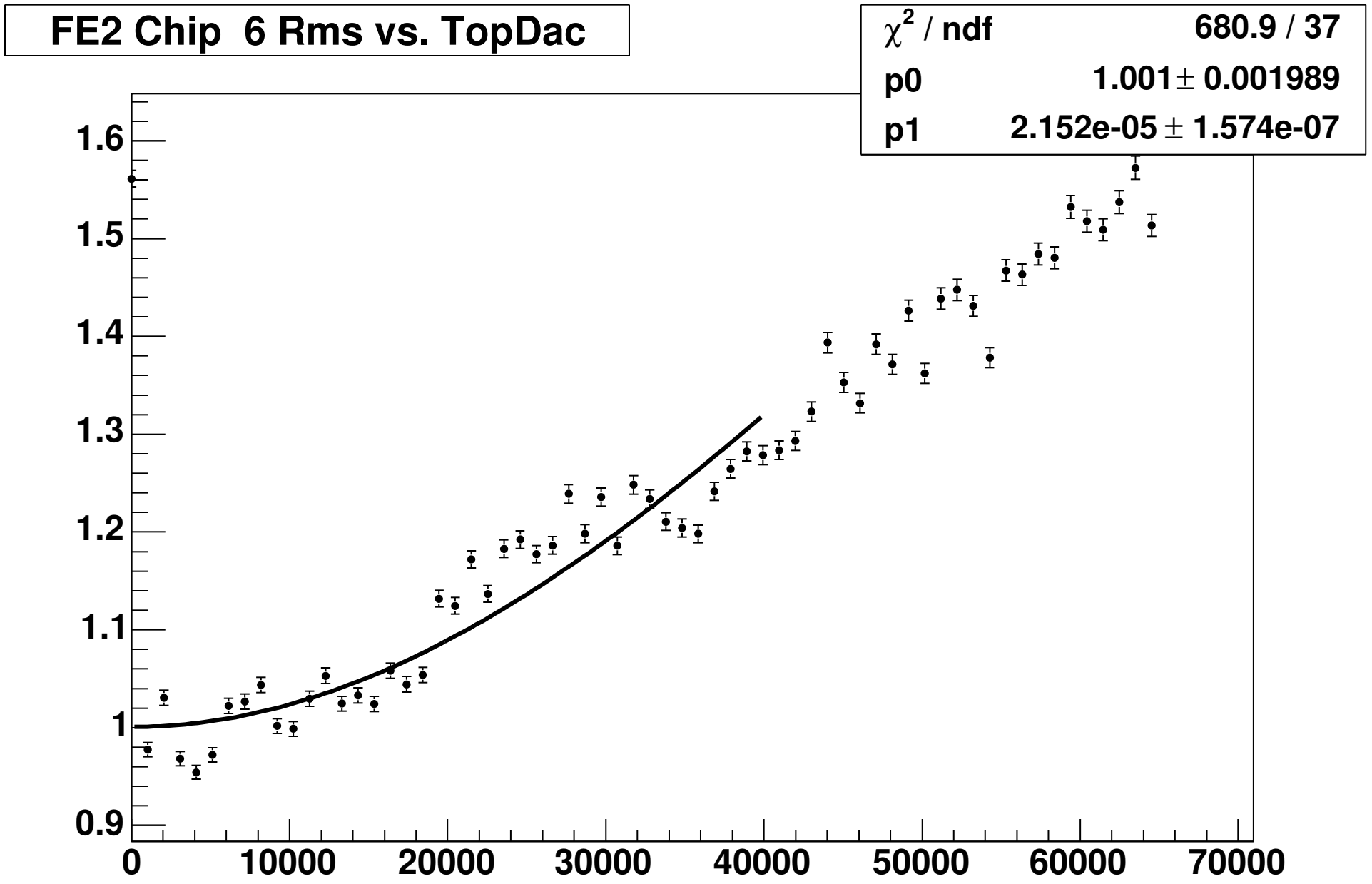
40000
50000
60000
70000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 409.3 / 37
p0 156.5 ± 0.003443
p1 2.998e-06 ± 1.463e-07
156.85
156.8
156.75
156.7
156.65
156.6
156.55
156.5
156.45
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 26.37 / 37
p0 0.9905 ± 0.001198
p1 7.138e-14 ± 1.245e-06
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 5.729e+04 / 37
p0 -0.06919 ± 0.003584
p1 0.2303 ± 1.649e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 680.9 / 37
p0 1.001 ± 0.001989
p1 2.152e-05 ± 1.574e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
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50000
60000
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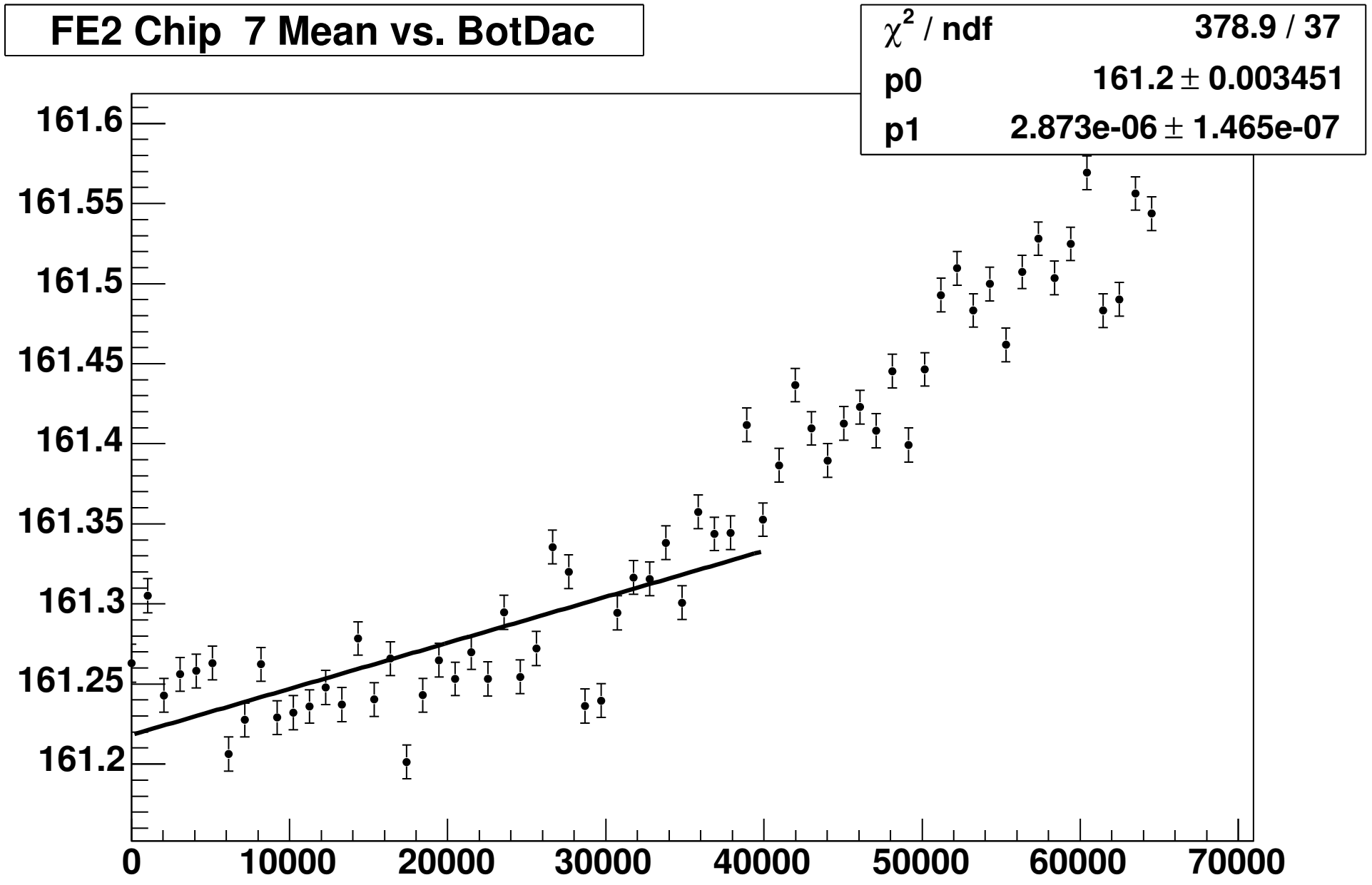
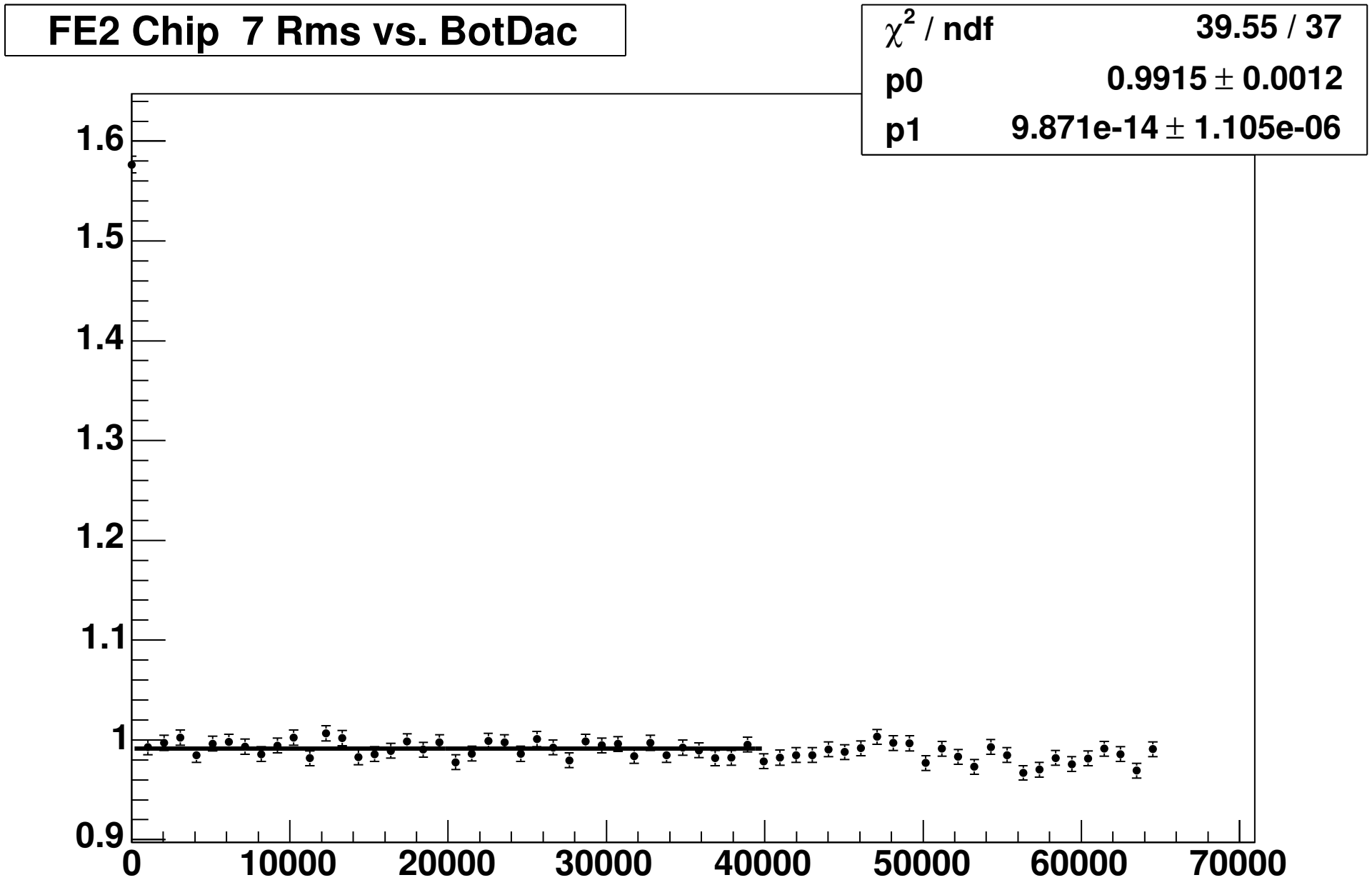
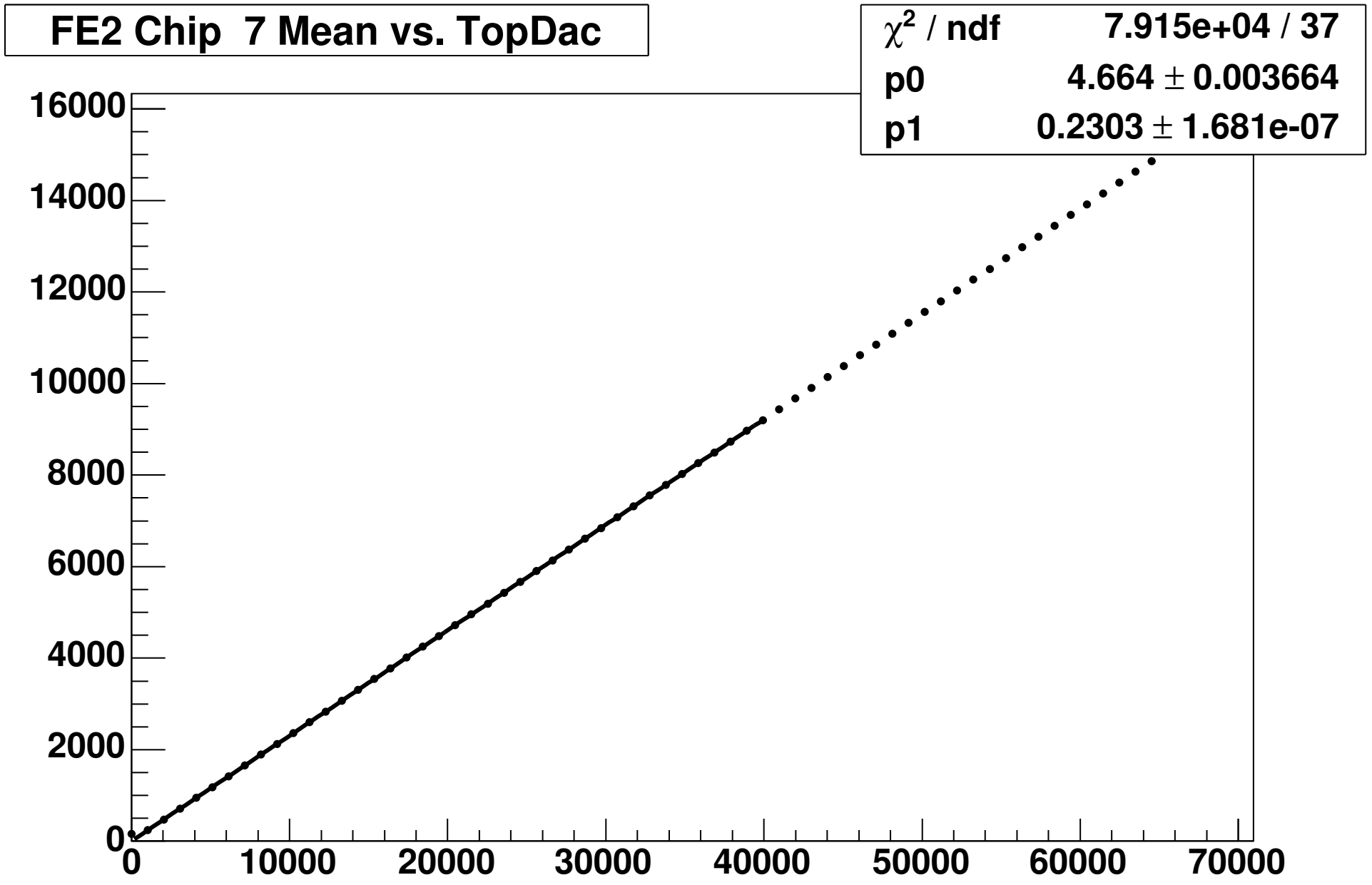
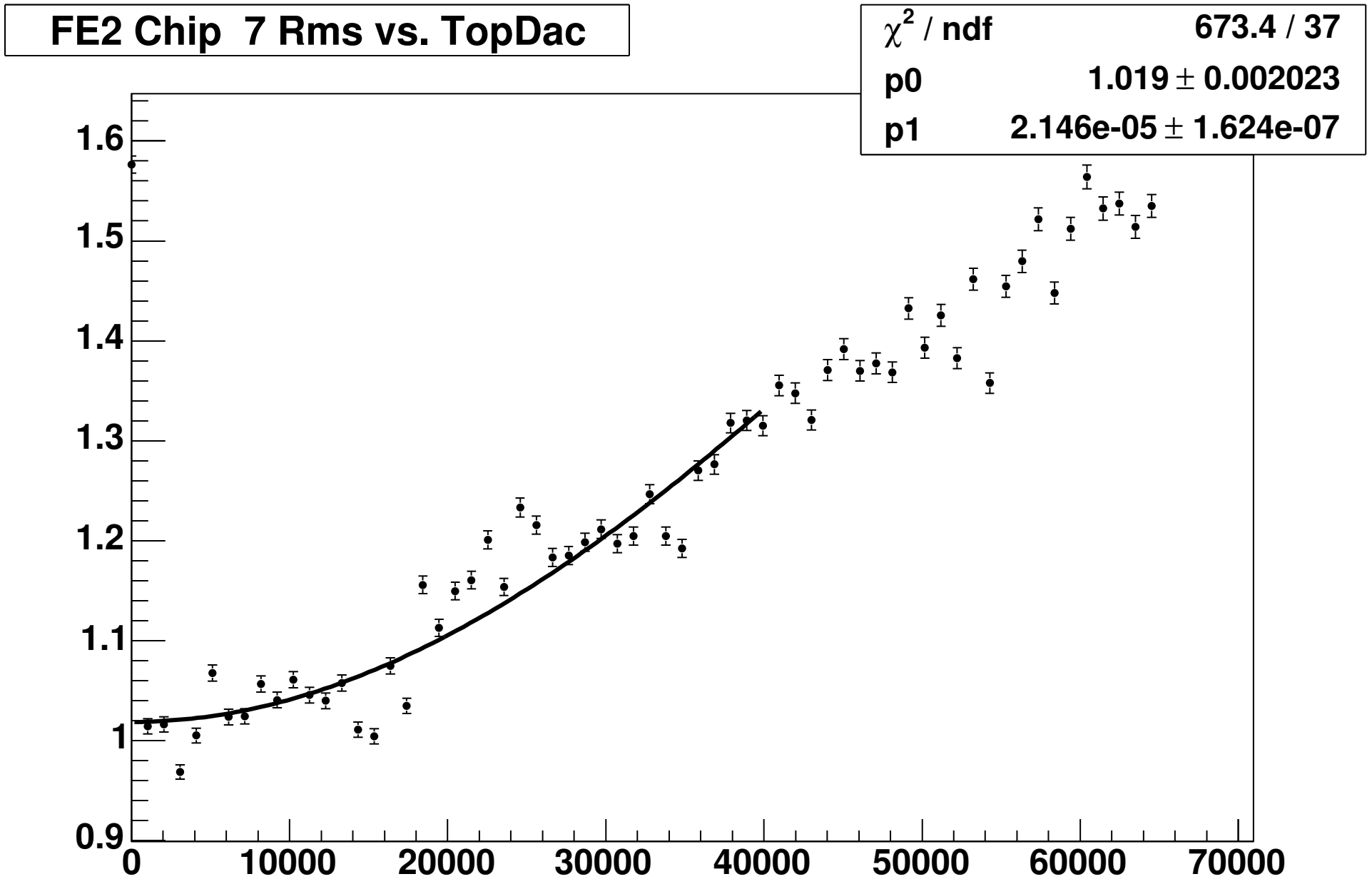

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 378.9 / 37
p0 161.2 ± 0.003451
p1 2.873e-06 ± 1.465e-07
161.6
161.55
161.5
161.45
161.4
161.35
161.3
161.25
161.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 39.55 / 37
p0 0.9915 ± 0.0012
p1 9.871e-14 ± 1.105e-06
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 7.915e+04 / 37
p0 4.664 ± 0.003664
p1 0.2303 ± 1.681e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 673.4 / 37
p0 1.019 ± 0.002023
p1 2.146e-05 ± 1.624e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
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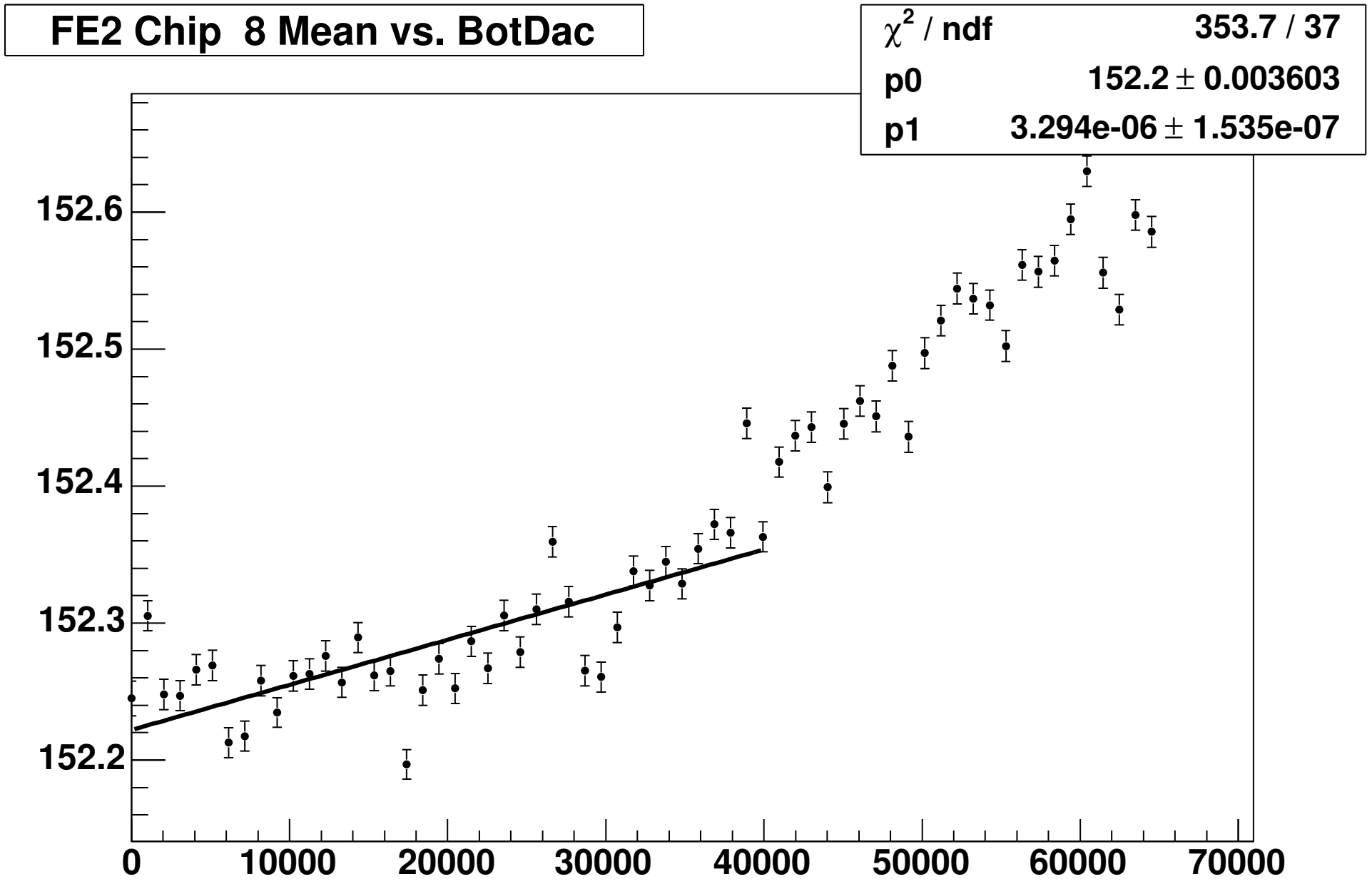
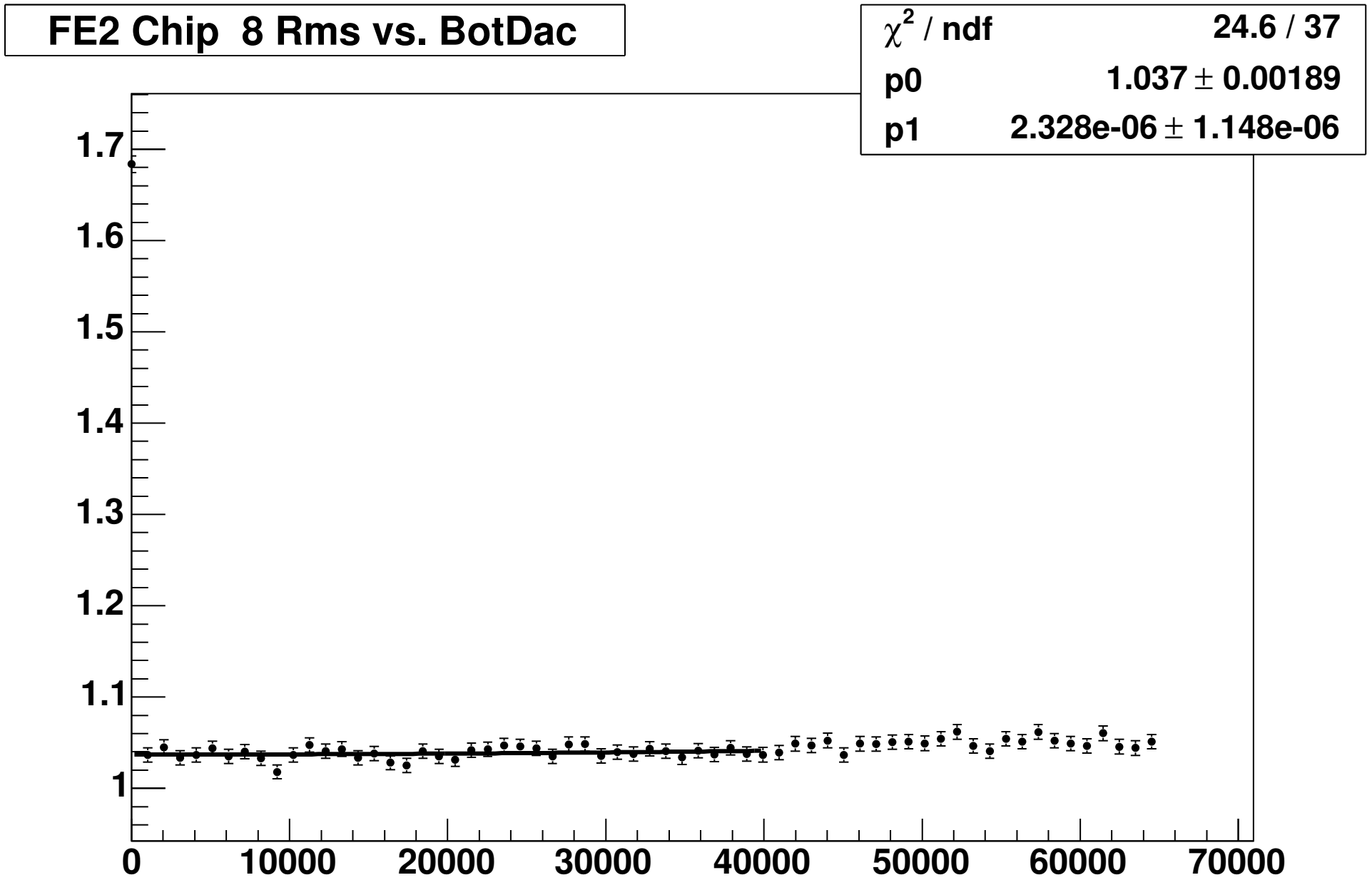
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 353.7 / 37
p0 152.2 ± 0.003603
p1 3.294e-06 ± 1.535e-07
152.6
152.5
152.4
152.3
152.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 24.6 / 37
p0 1.037 ± 0.00189
p1 2.328e-06 ± 1.148e-06
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
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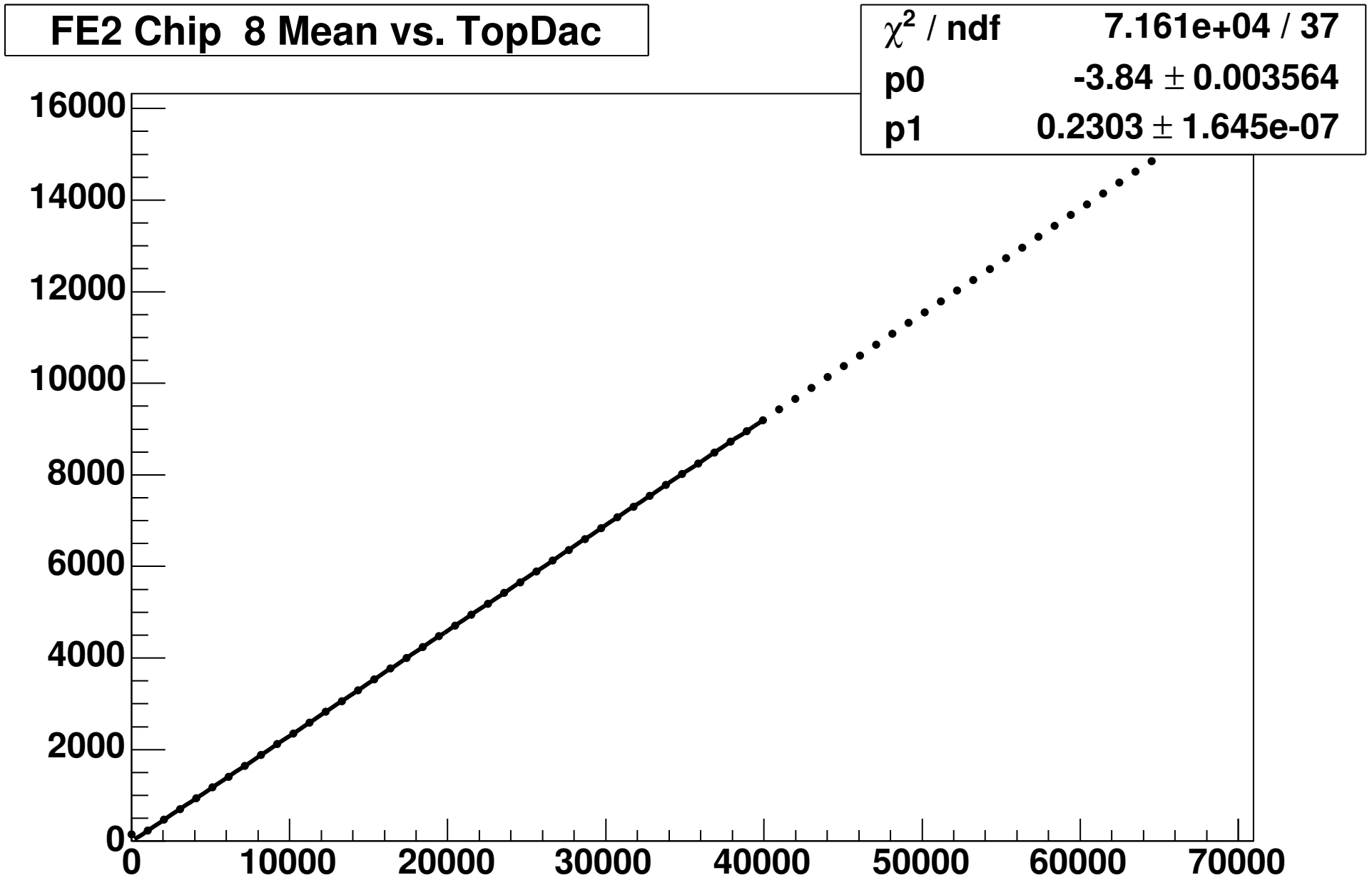
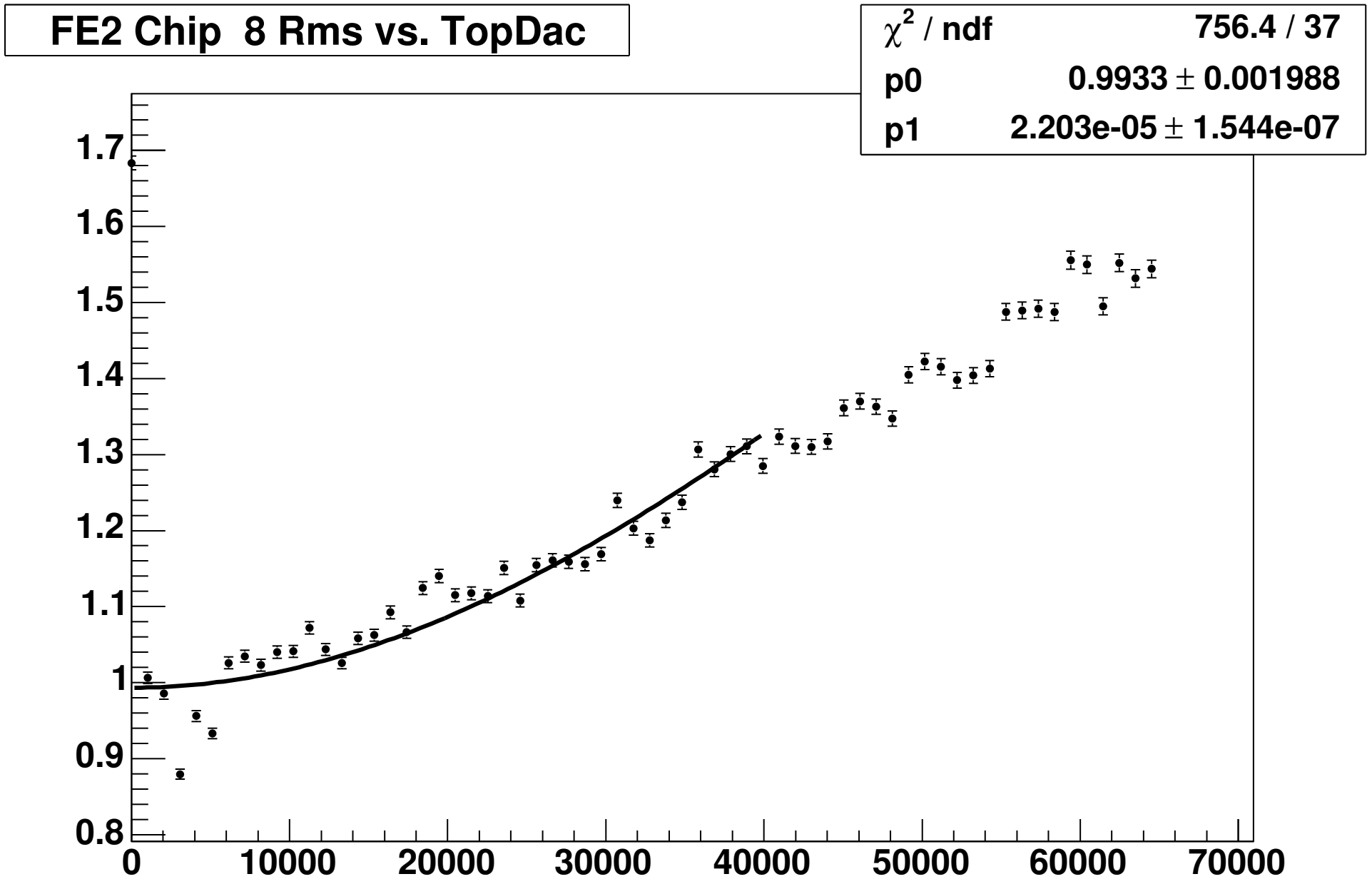

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 7.161e+04 / 37
p0 -3.84 ± 0.003564
p1 0.2303 ± 1.645e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 756.4 / 37
p0 0.9933 ± 0.001988
p1 2.203e-05 ± 1.544e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
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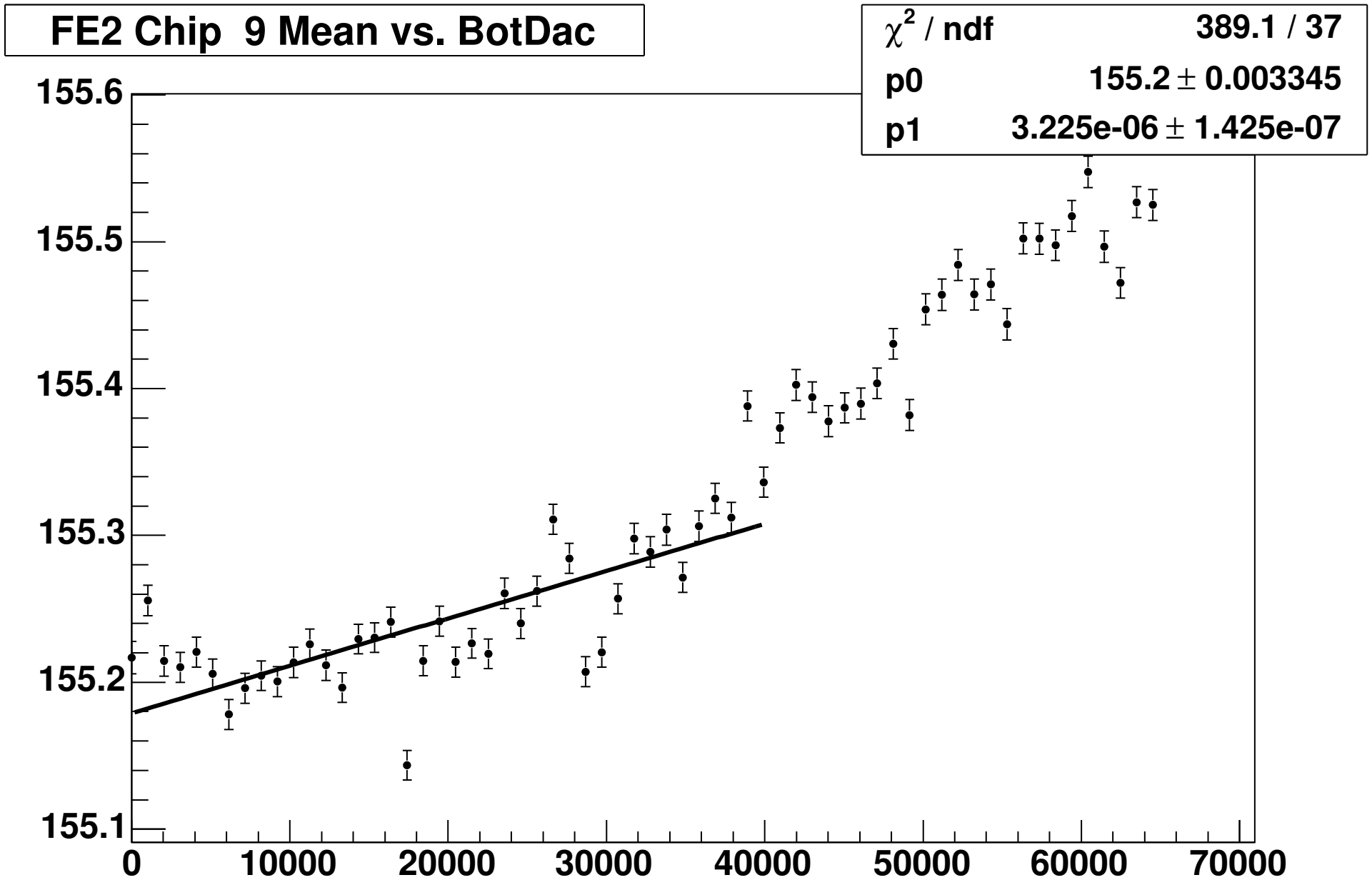
FE2 Chip 9 Mean vs. BotDac
χ^2 / ndf 389.1 / 37
p0 155.2 ± 0.003345
p1 3.225e-06 ± 1.425e-07
155.6
155.5
155.4
155.3
155.2
155.1
0
10000
20000
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60000
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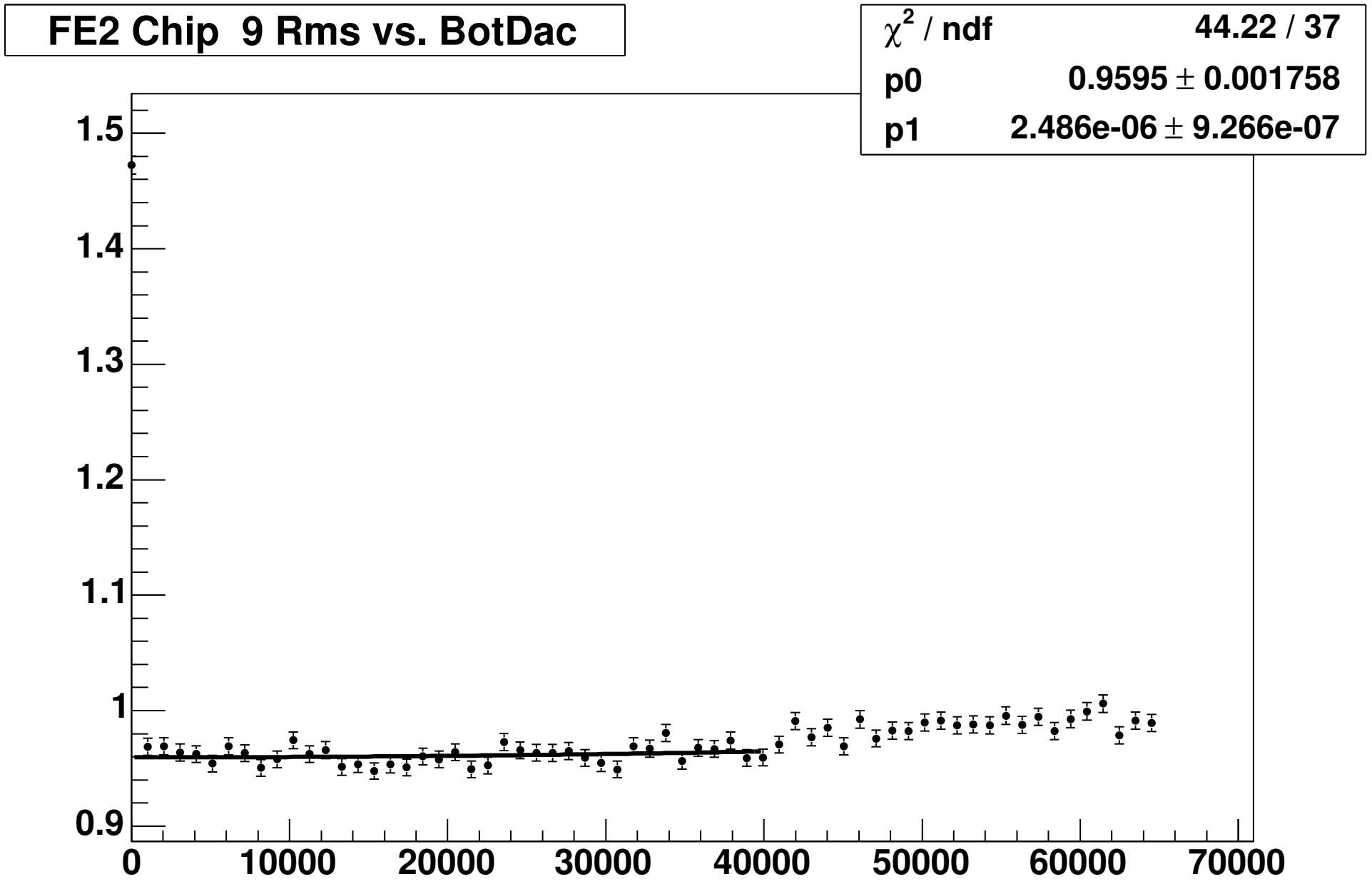
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 44.22 / 37
p0 0.9595 ± 0.001758
p1 2.486e-06 ± 9.266e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
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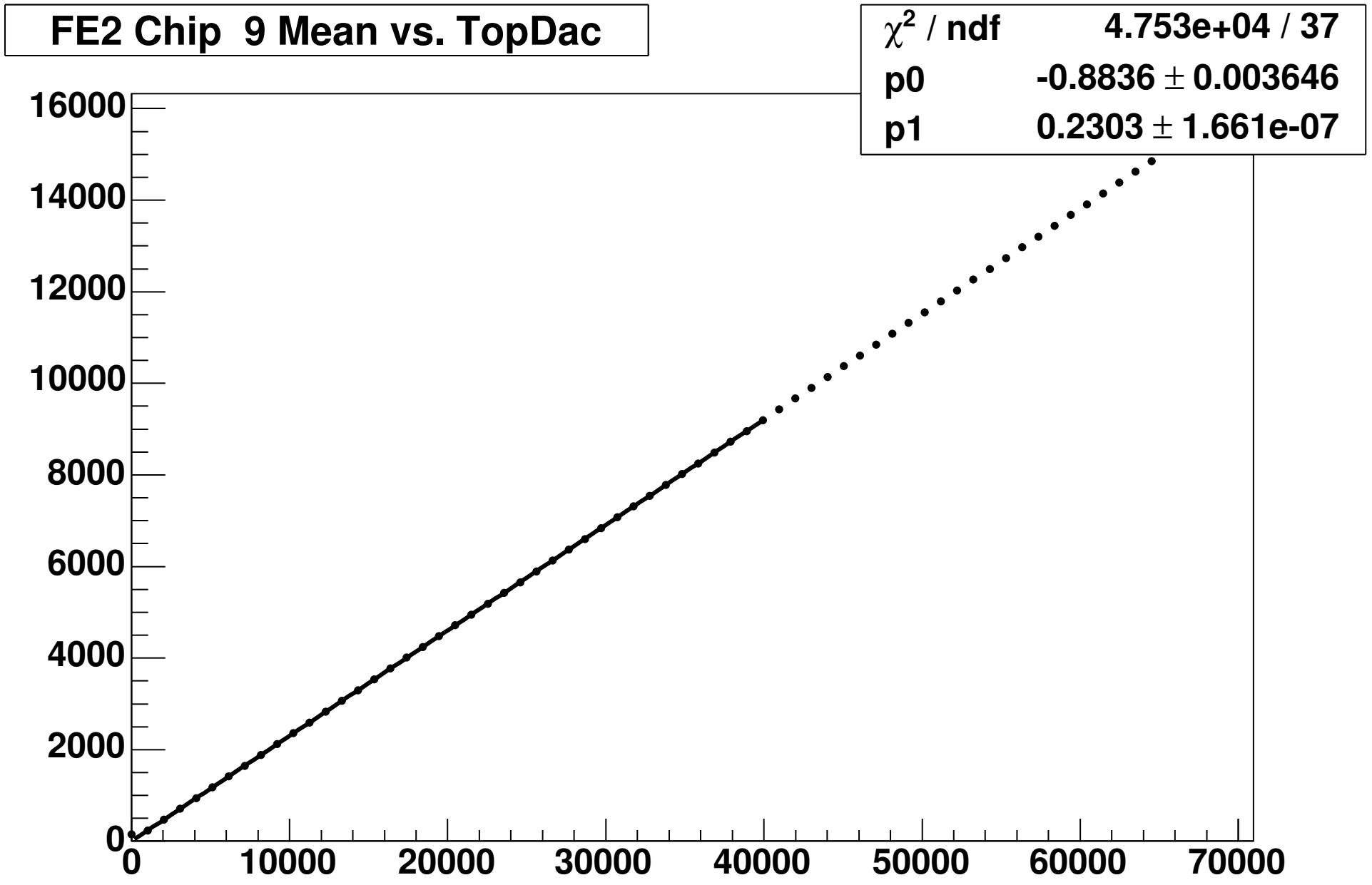
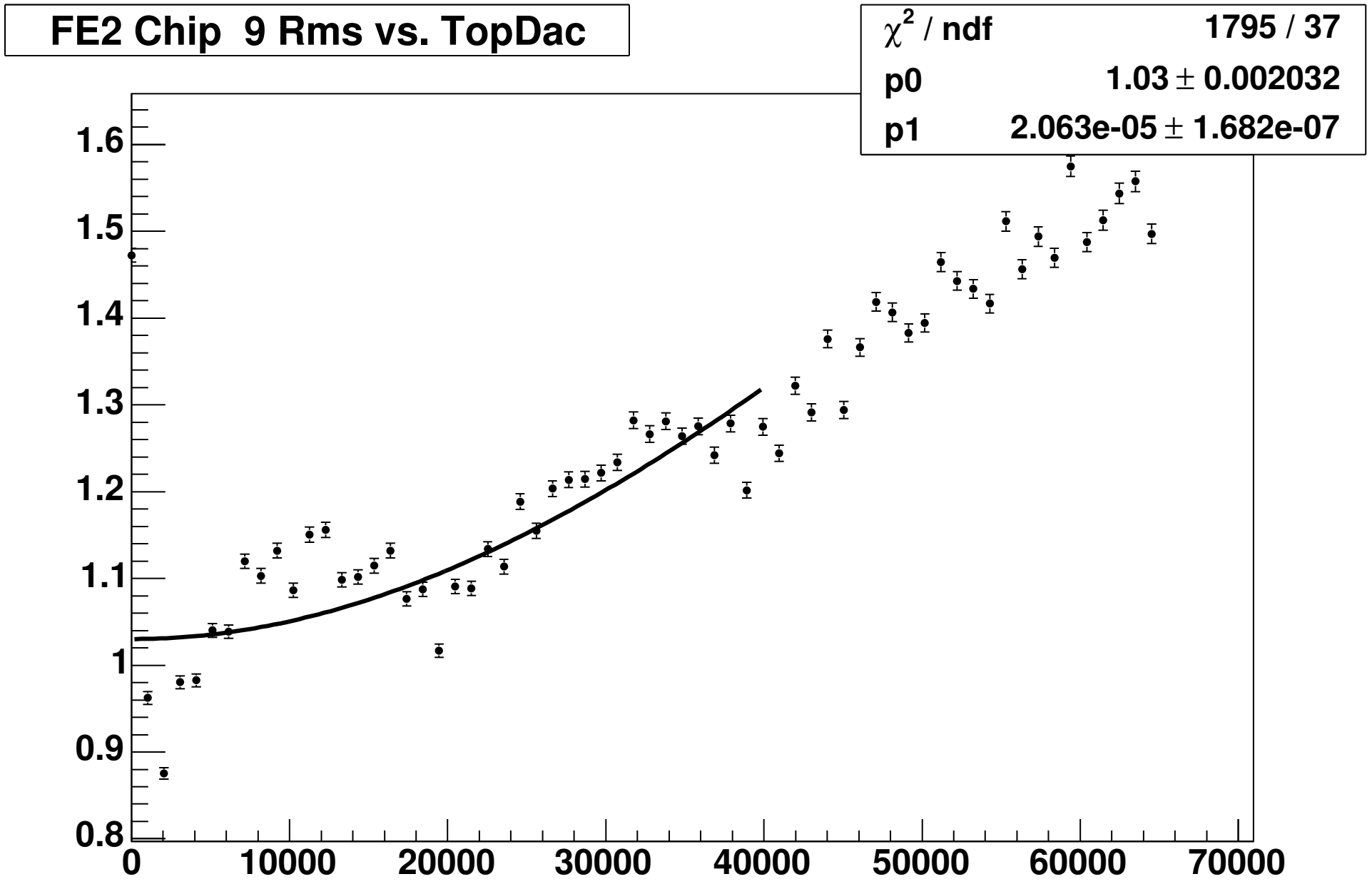

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 4.753e+04 / 37
p0 -0.8836 ± 0.003646
p1 0.2303 ± 1.661e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1795 / 37
p0 1.03 ± 0.002032
p1 2.063e-05 ± 1.682e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
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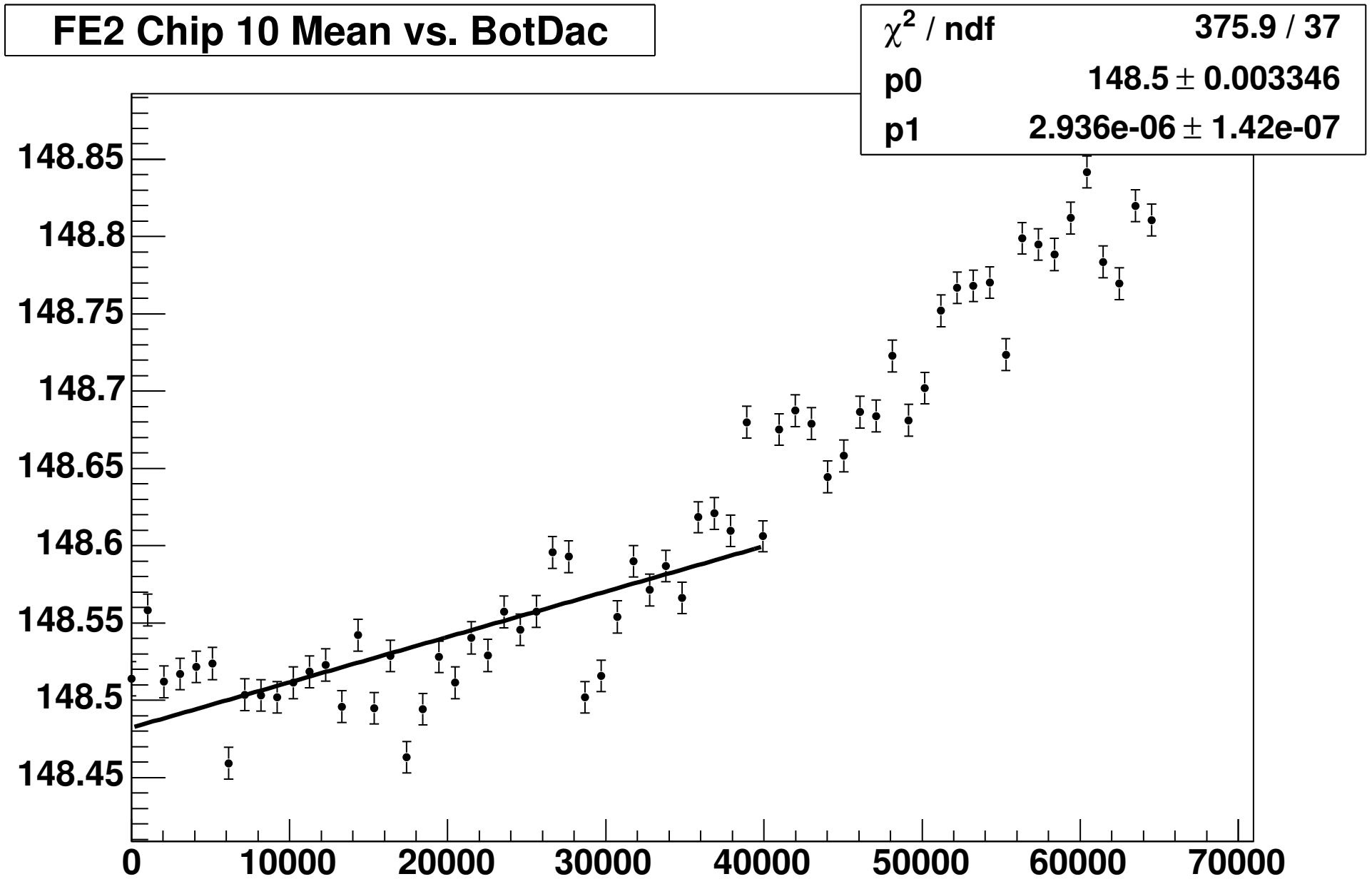
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 375.9 / 37
p0 148.5 ± 0.003346
p1 2.936e-06 ± 1.42e-07
148.85
148.8
148.75
148.7
148.65
148.6
148.55
148.5
148.45
0
10000
20000
30000
40000
50000
60000
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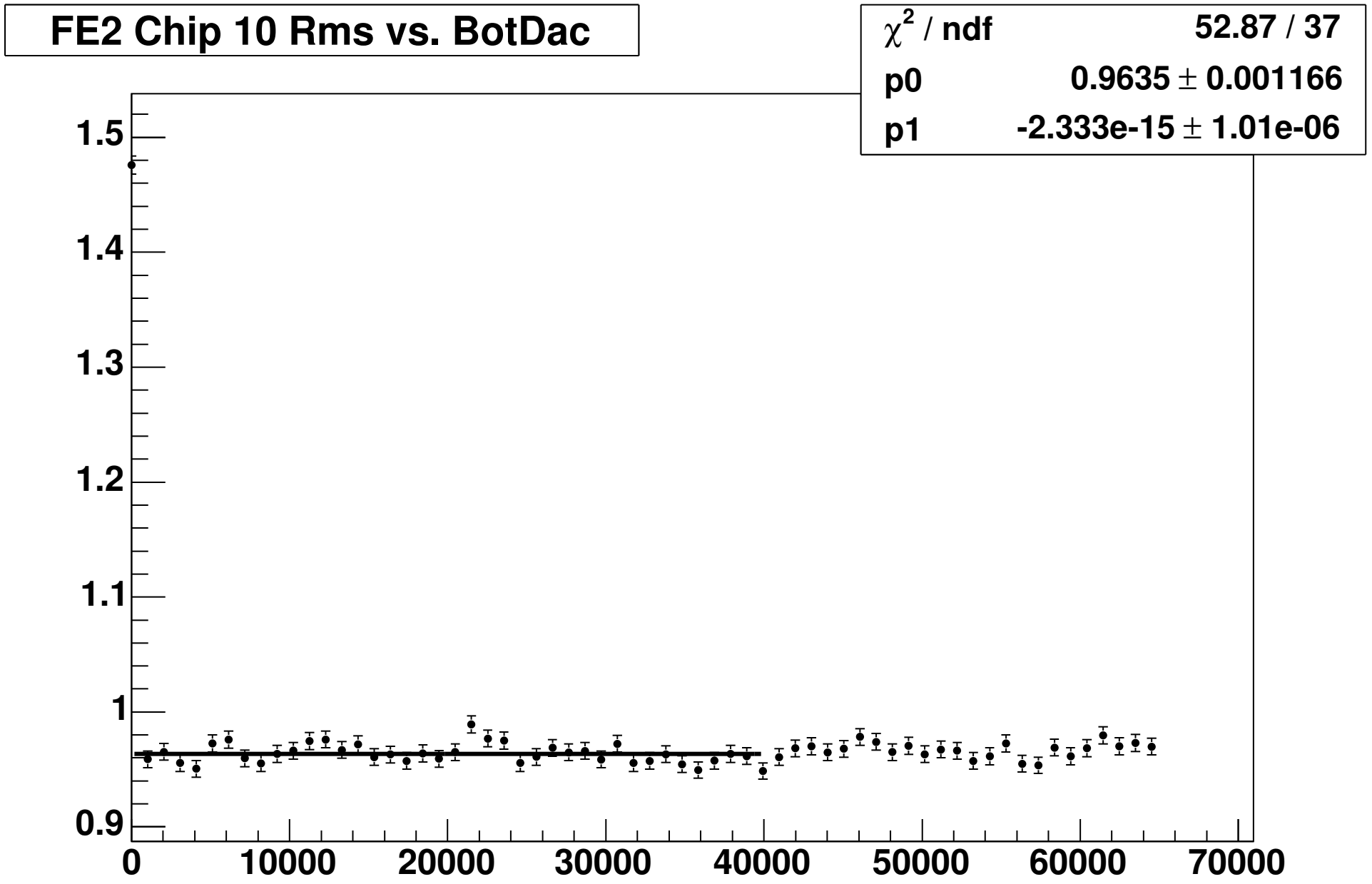
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 52.87 / 37
p0 0.9635 ± 0.001166
p1 -2.333e-15 ± 1.01e-06
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
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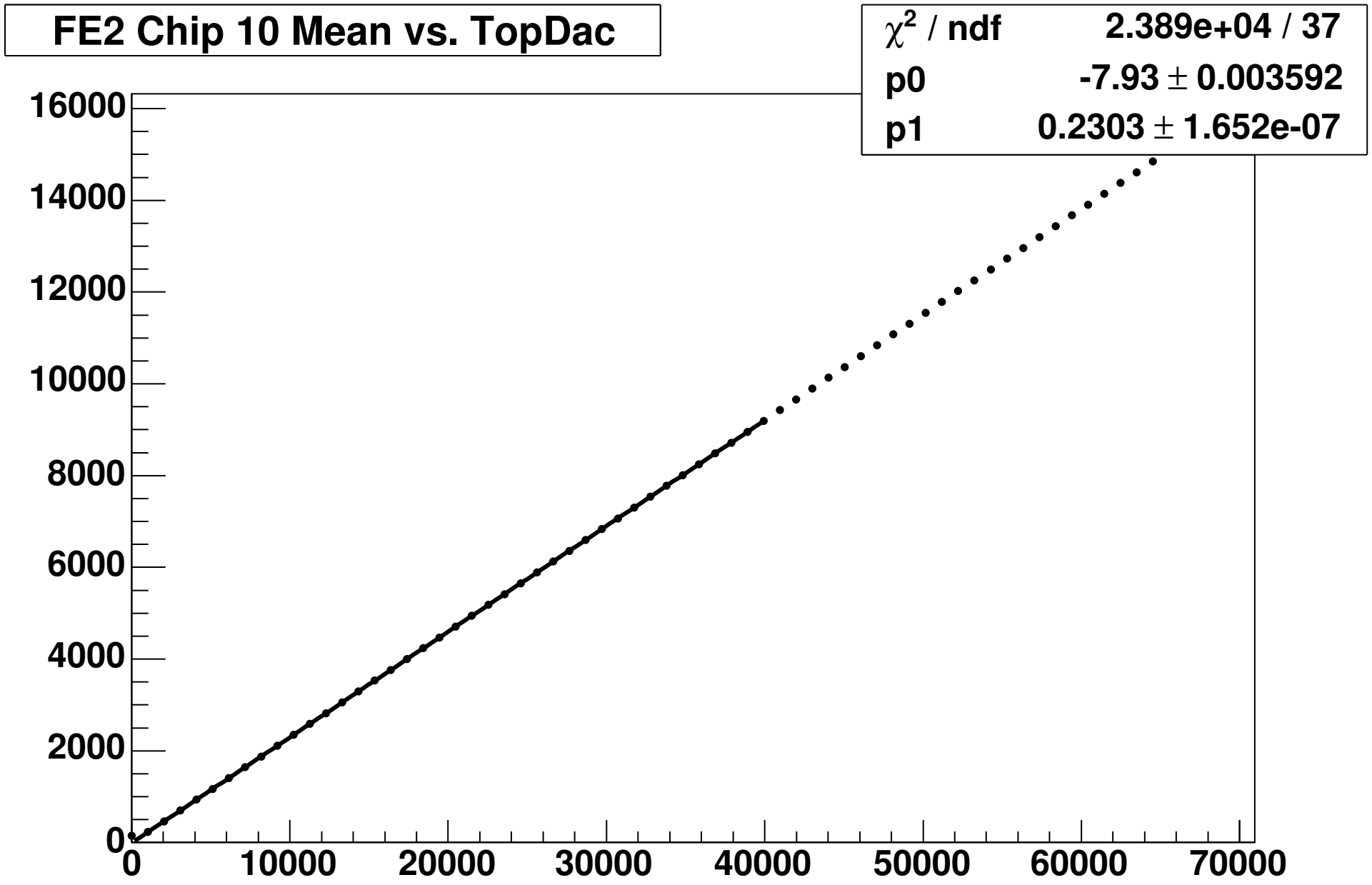
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 2.389e+04 / 37
p0 -7.93 ± 0.003592
p1 0.2303 ± 1.652e-07
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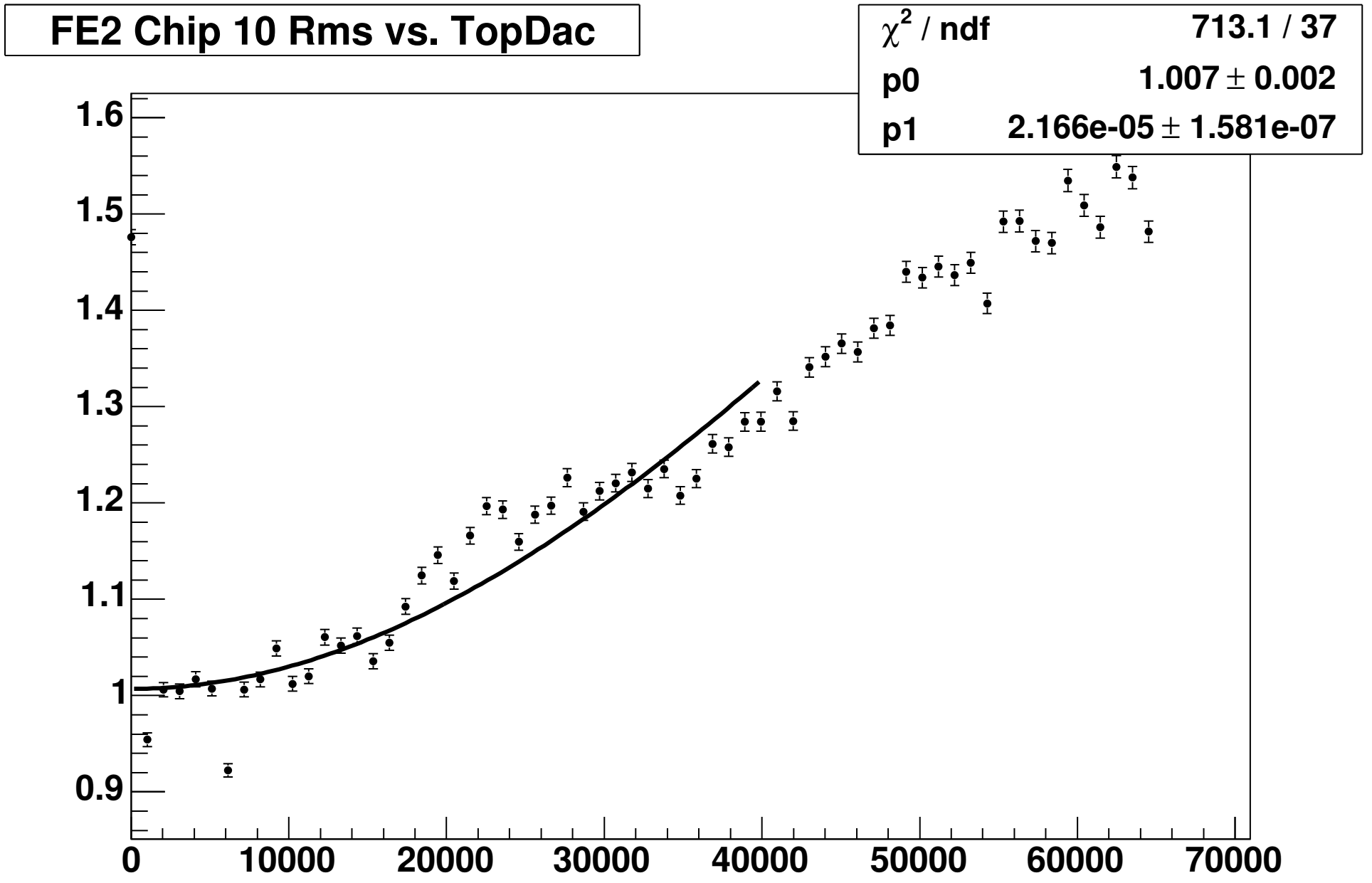
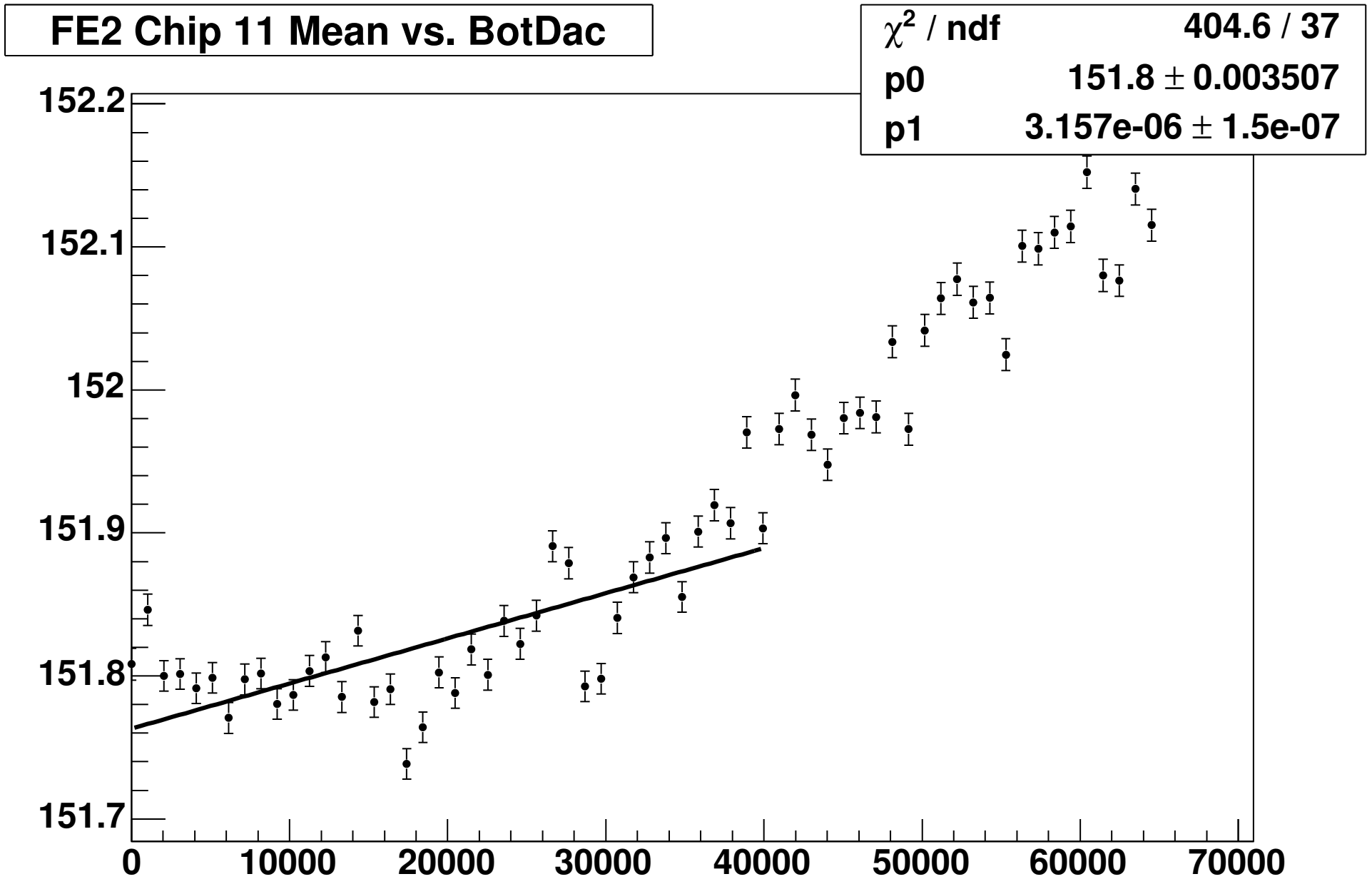
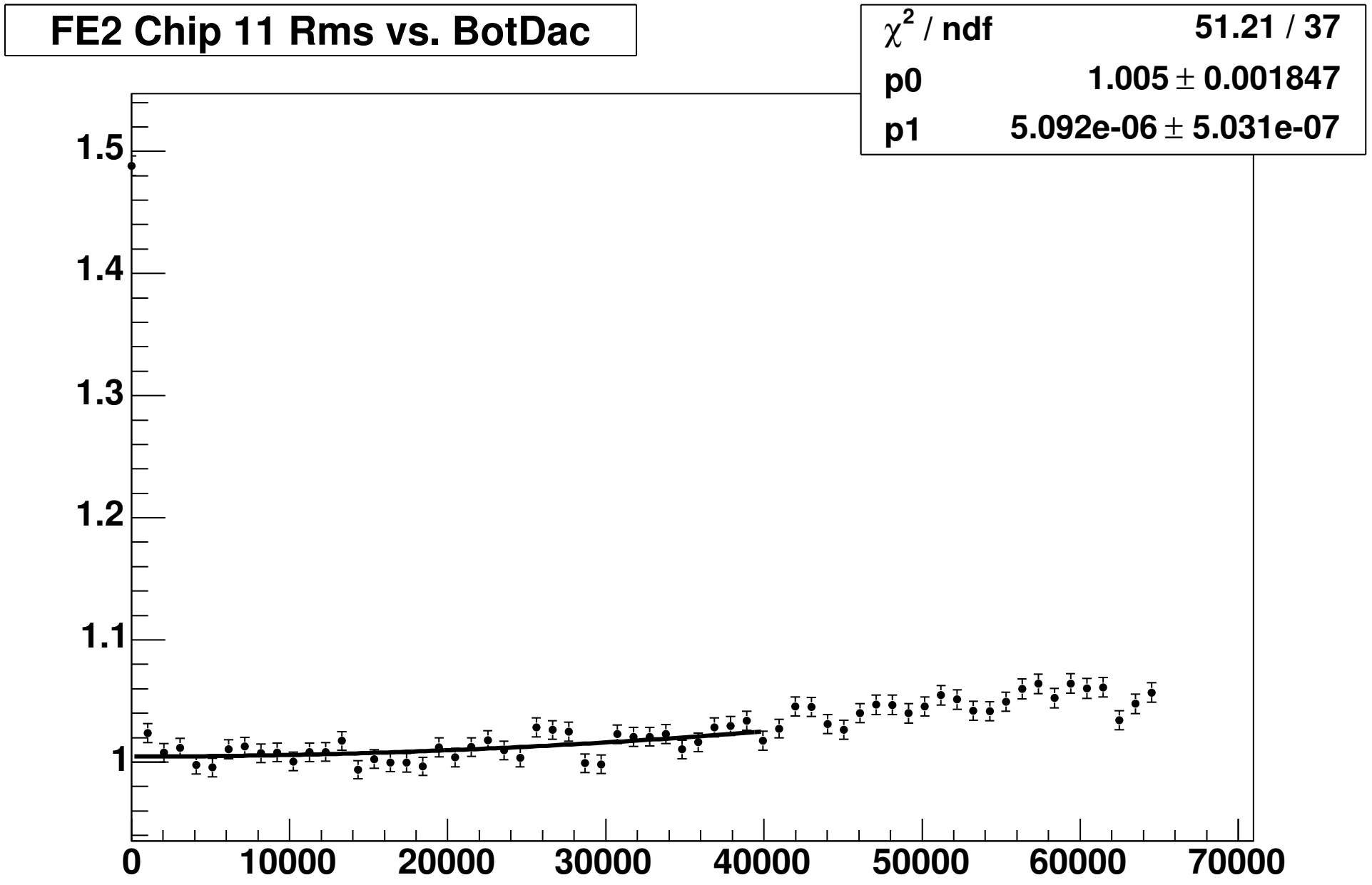
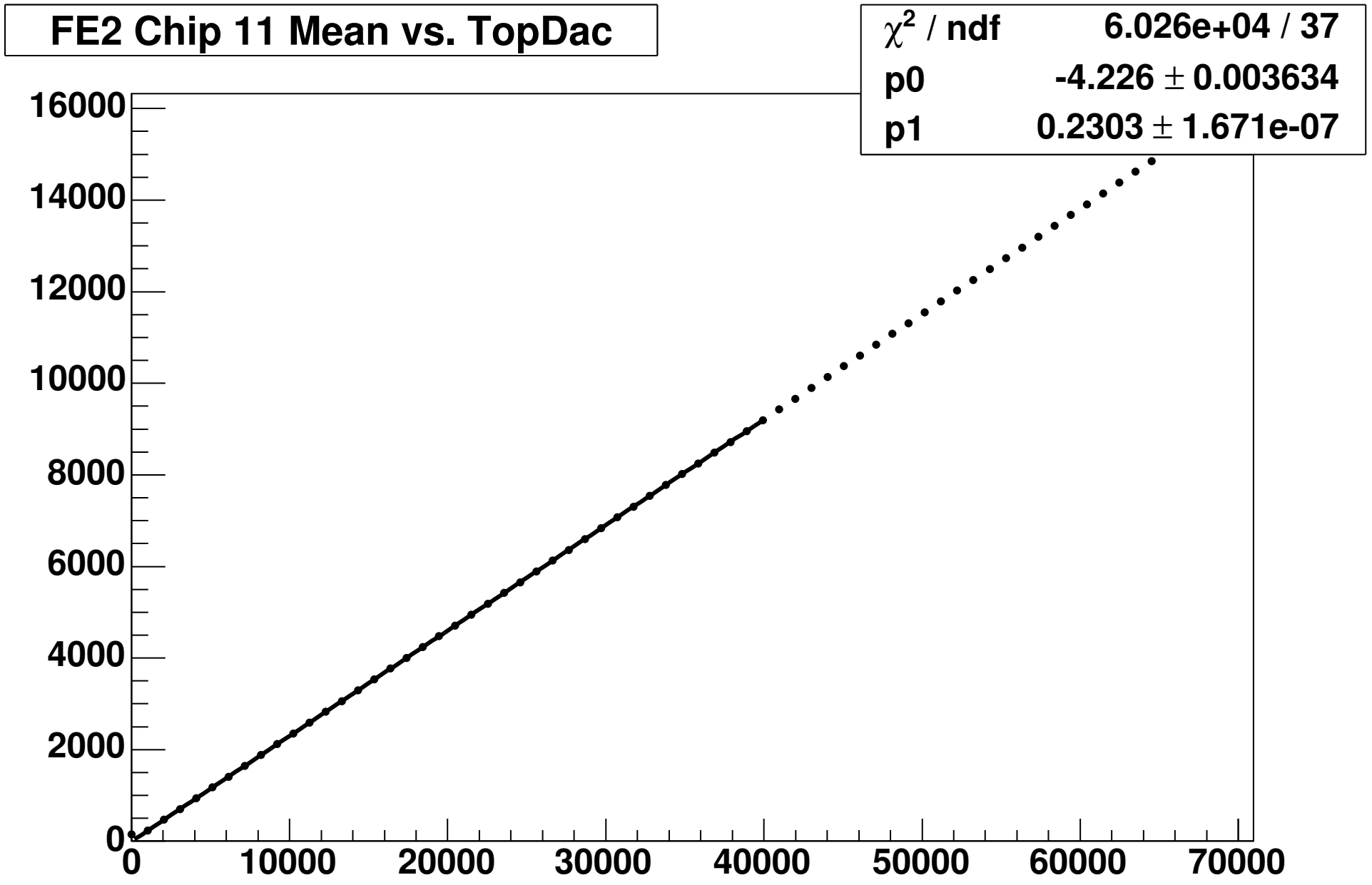
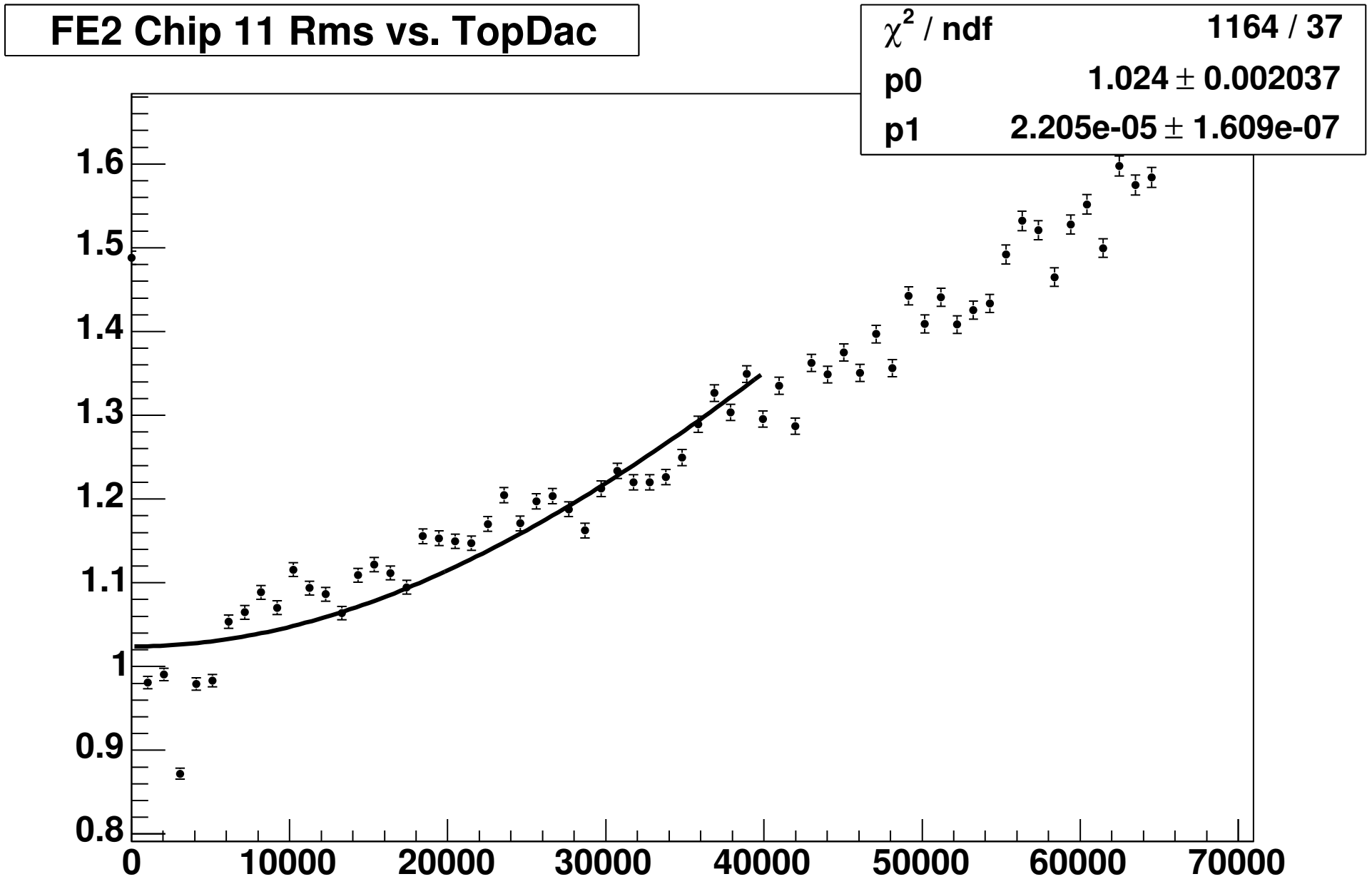
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

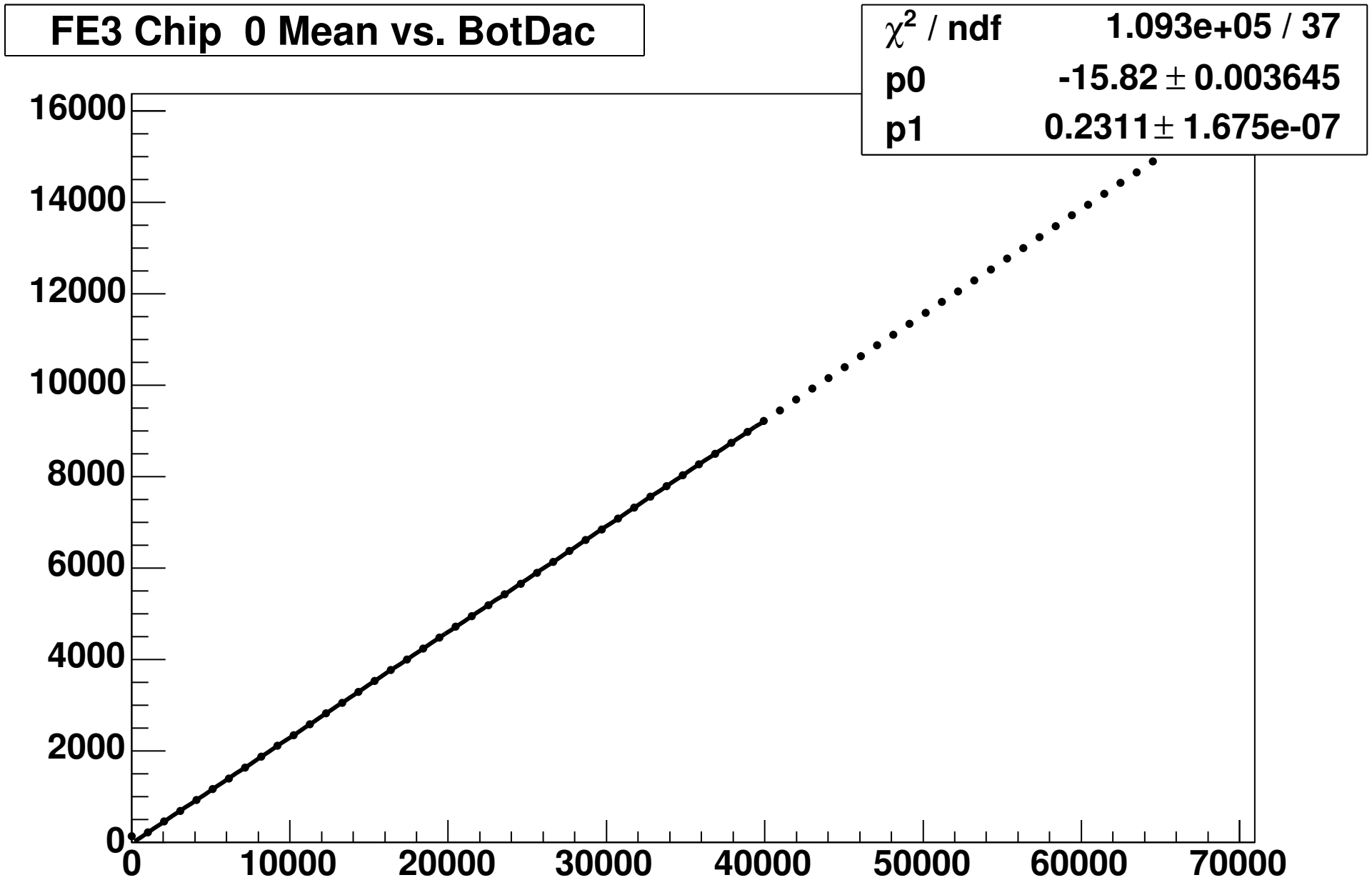

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 713.1 / 37
p0 1.007 ± 0.002
p1 2.166e-05 ± 1.581e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

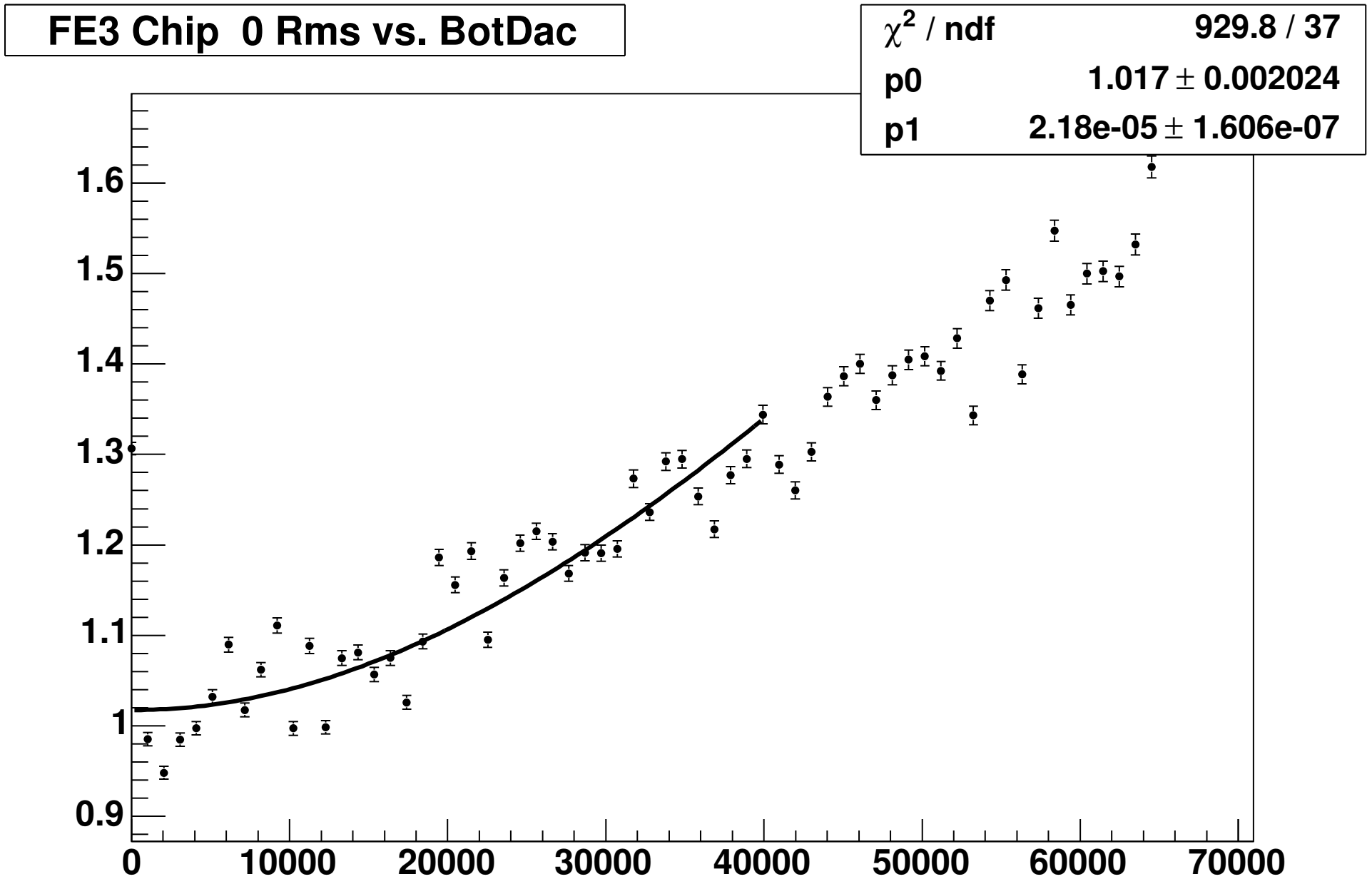

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 404.6 / 37
p0 151.8 ± 0.003507
p1 3.157e-06 ± 1.5e-07
152.2
152.1
152
151.9
151.8
151.7
0
10000
20000
30000
40000
50000
60000
70000

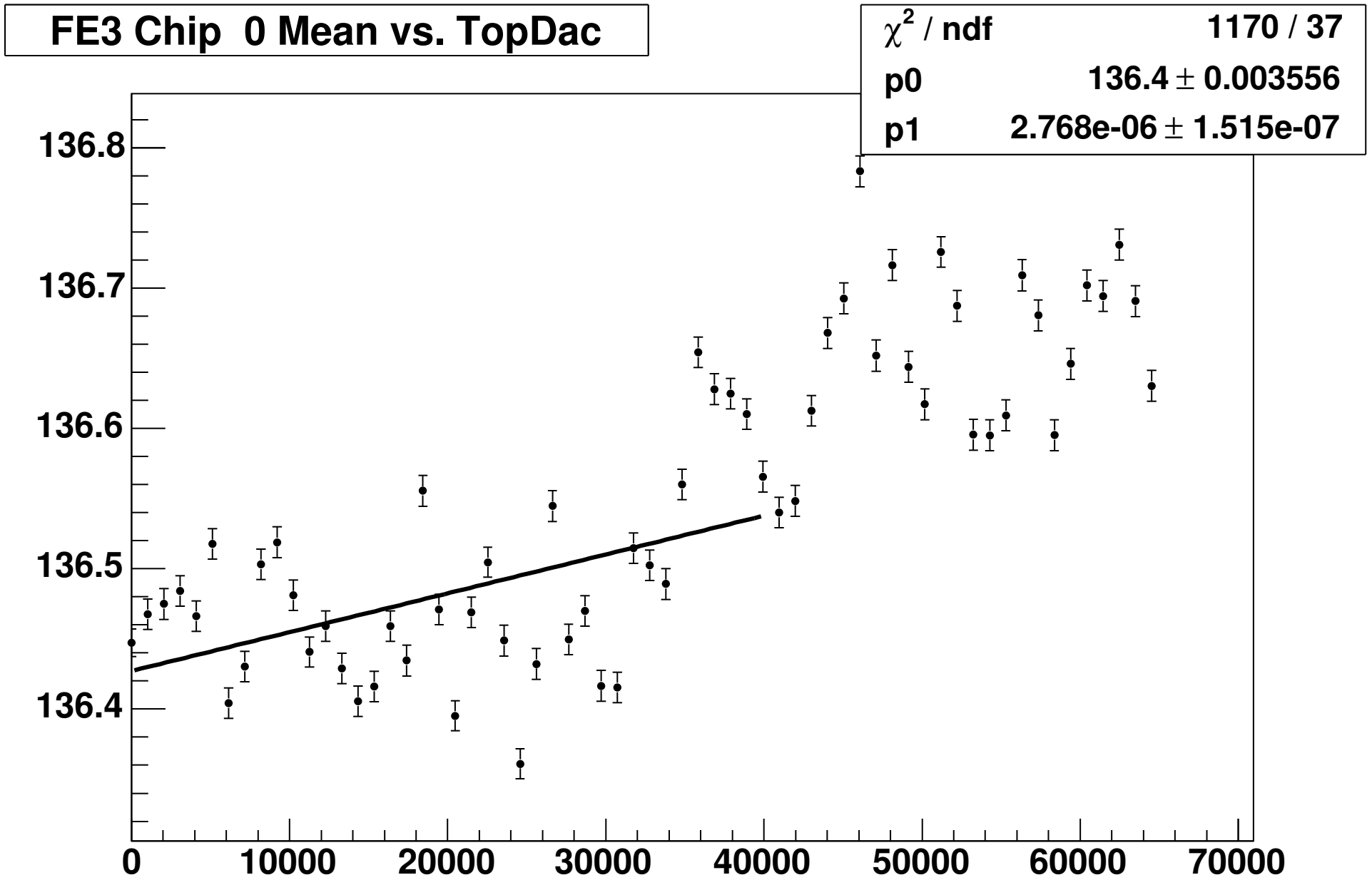

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 51.21 / 37
p0 1.005 ± 0.001847
p1 5.092e-06 ± 5.031e-07
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
30000
40000
50000
60000
70000

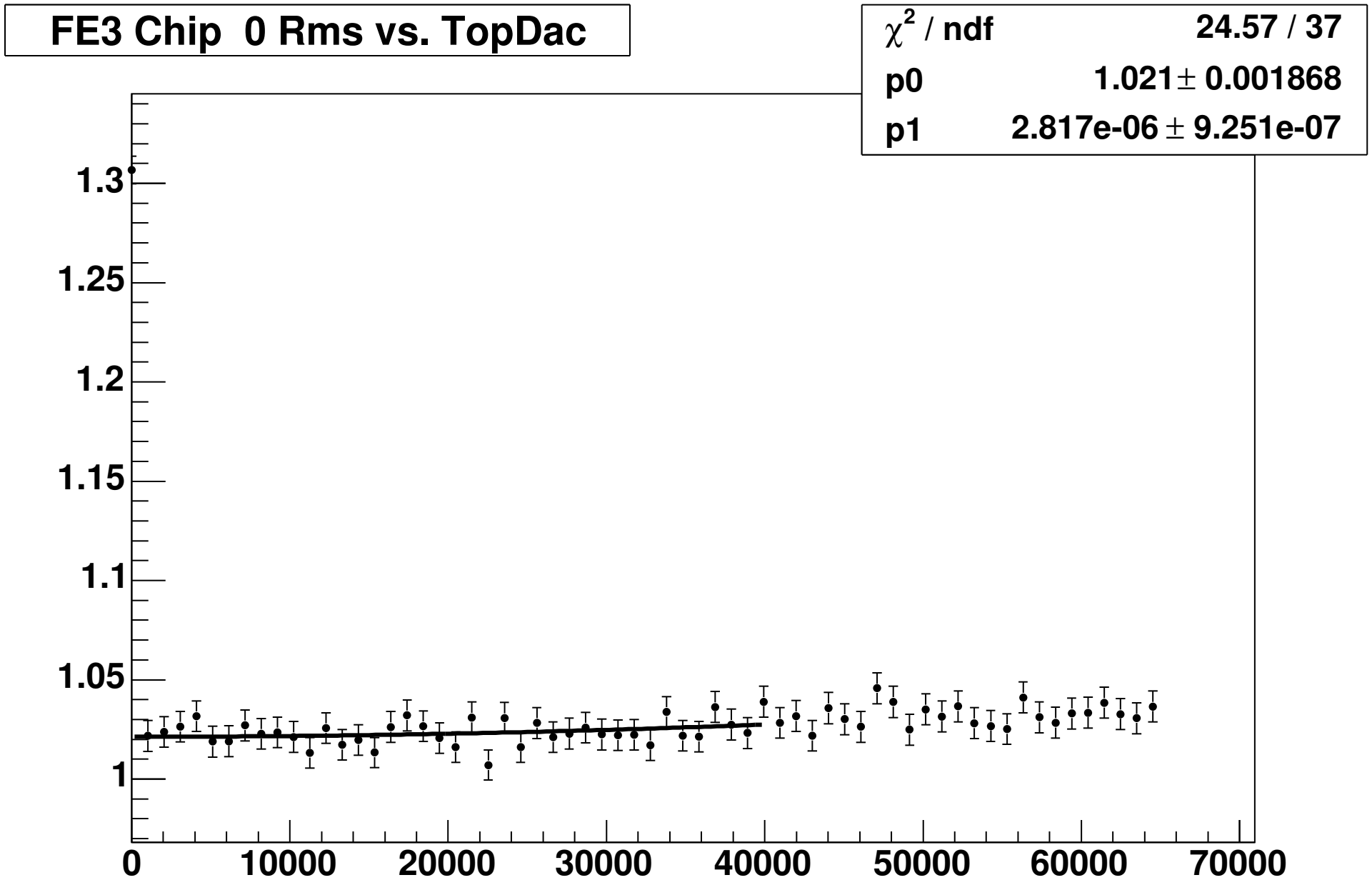

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 6.026e+04 / 37
p0 -4.226 ± 0.003634
p1 0.2303 ± 1.671e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1164 / 37
p0 1.024 ± 0.002037
p1 2.205e-05 ± 1.609e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.093e+05 / 37
p0 -15.82 ± 0.003645
p1 0.2311 ± 1.675e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 929.8 / 37
p0 1.017 ± 0.002024
p1 2.18e-05 ± 1.606e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1170 / 37
p0 136.4 ± 0.003556
p1 2.768e-06 ± 1.515e-07
136.8
136.7
136.6
136.5
136.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 24.57 / 37
p0 1.021 ± 0.001868
p1 2.817e-06 ± 9.251e-07
1.3
1.25
1.2
1.15
1.1
1.05
1
0
10000
20000
30000
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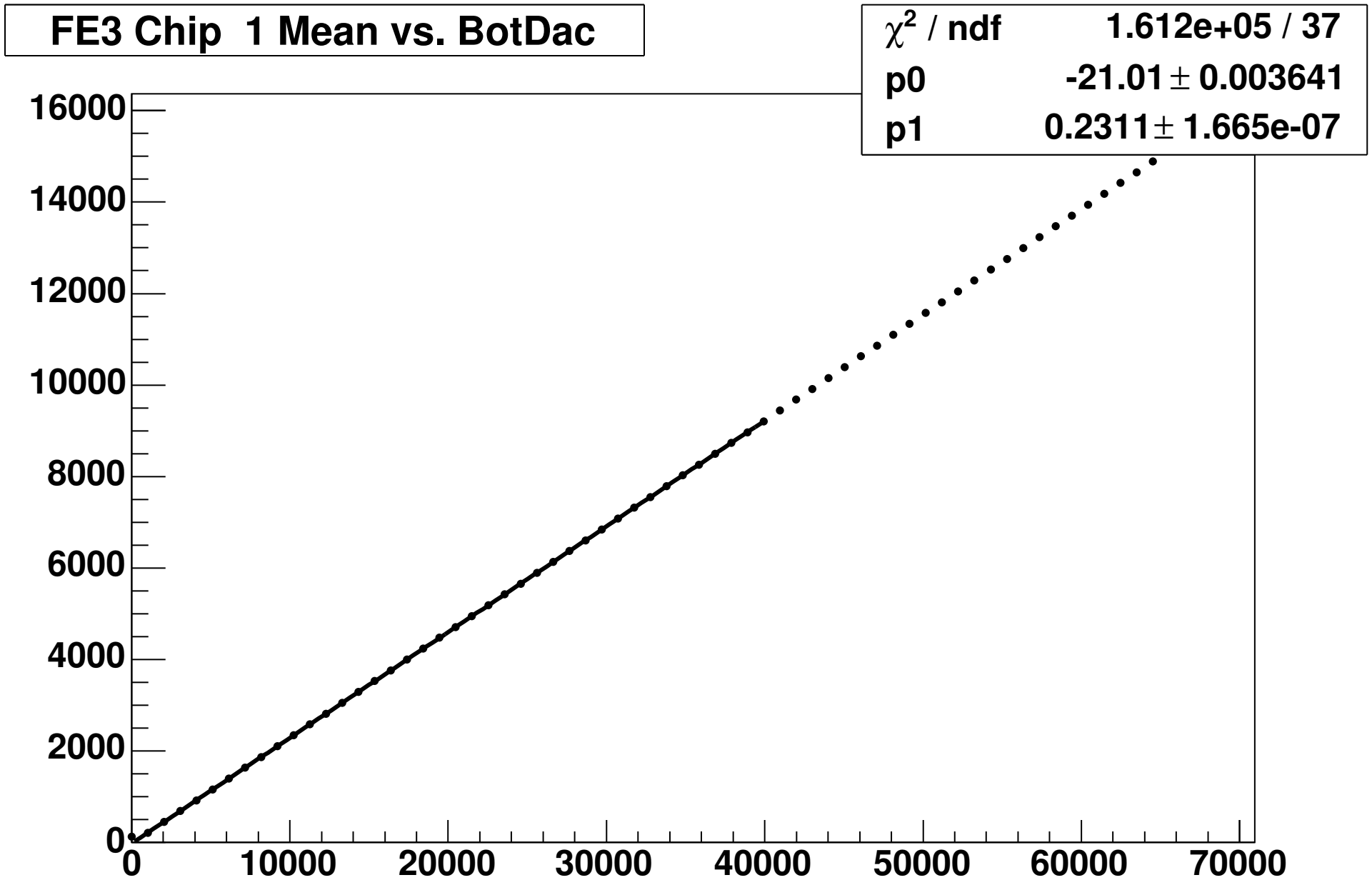
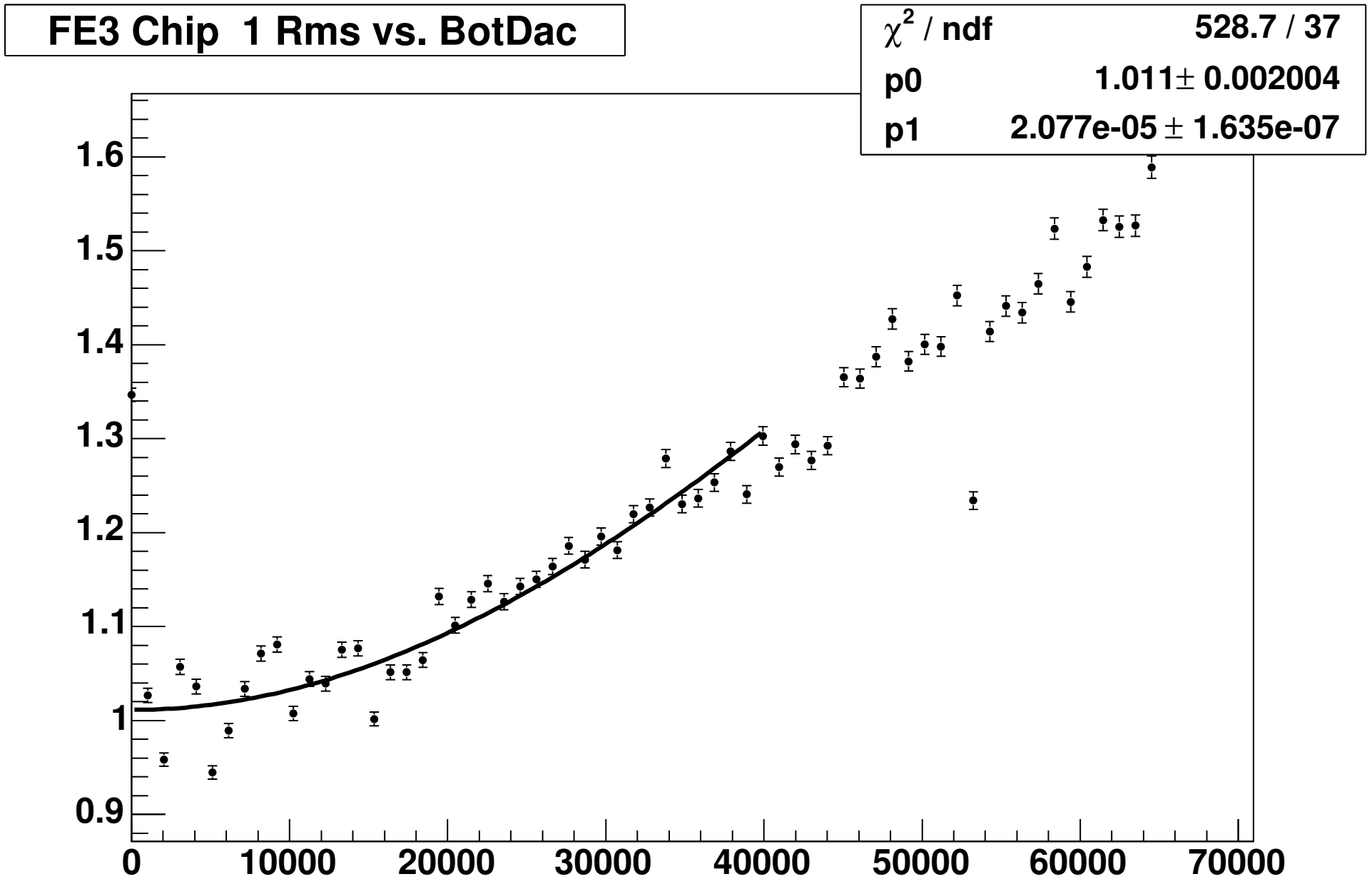
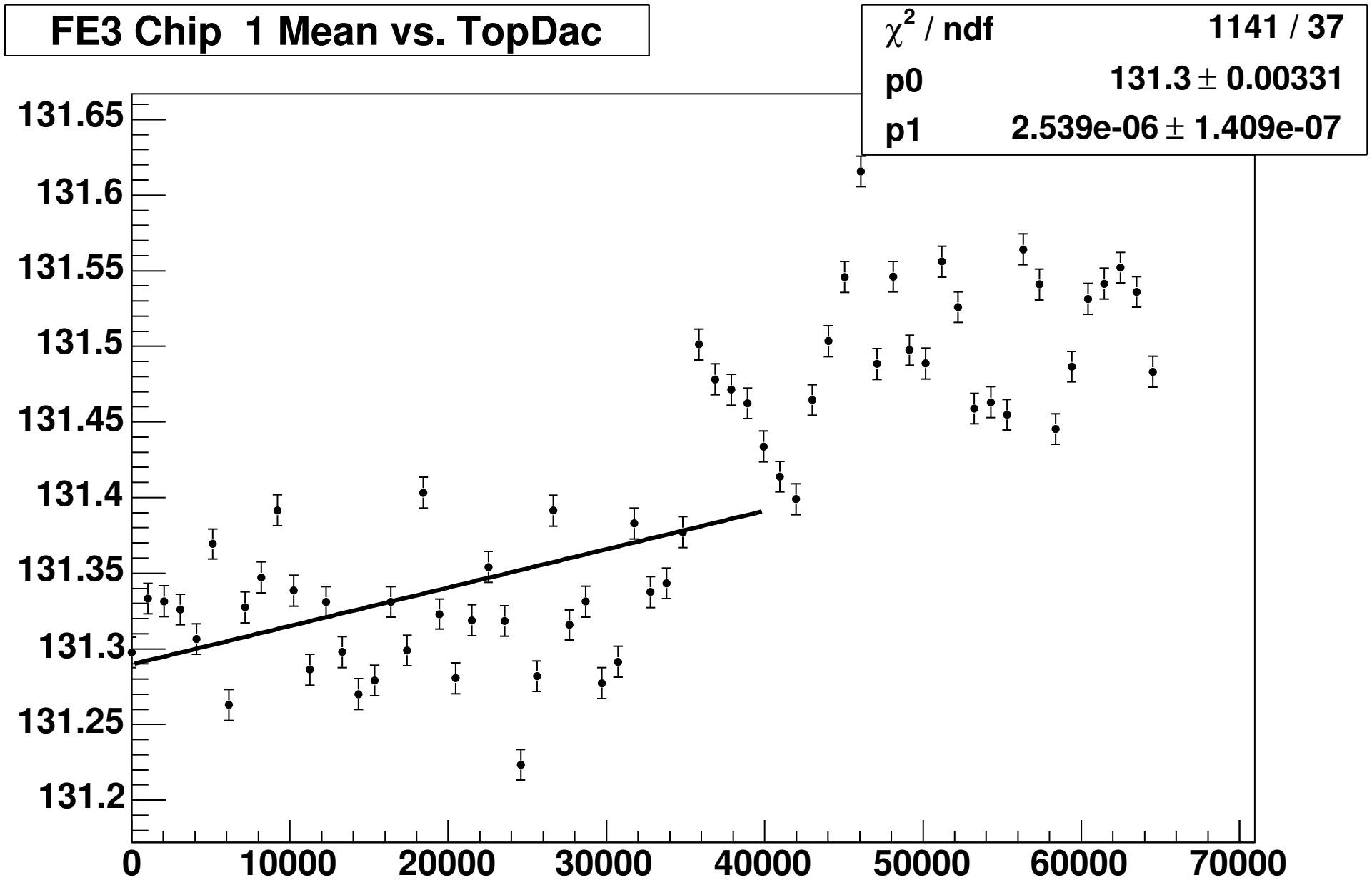
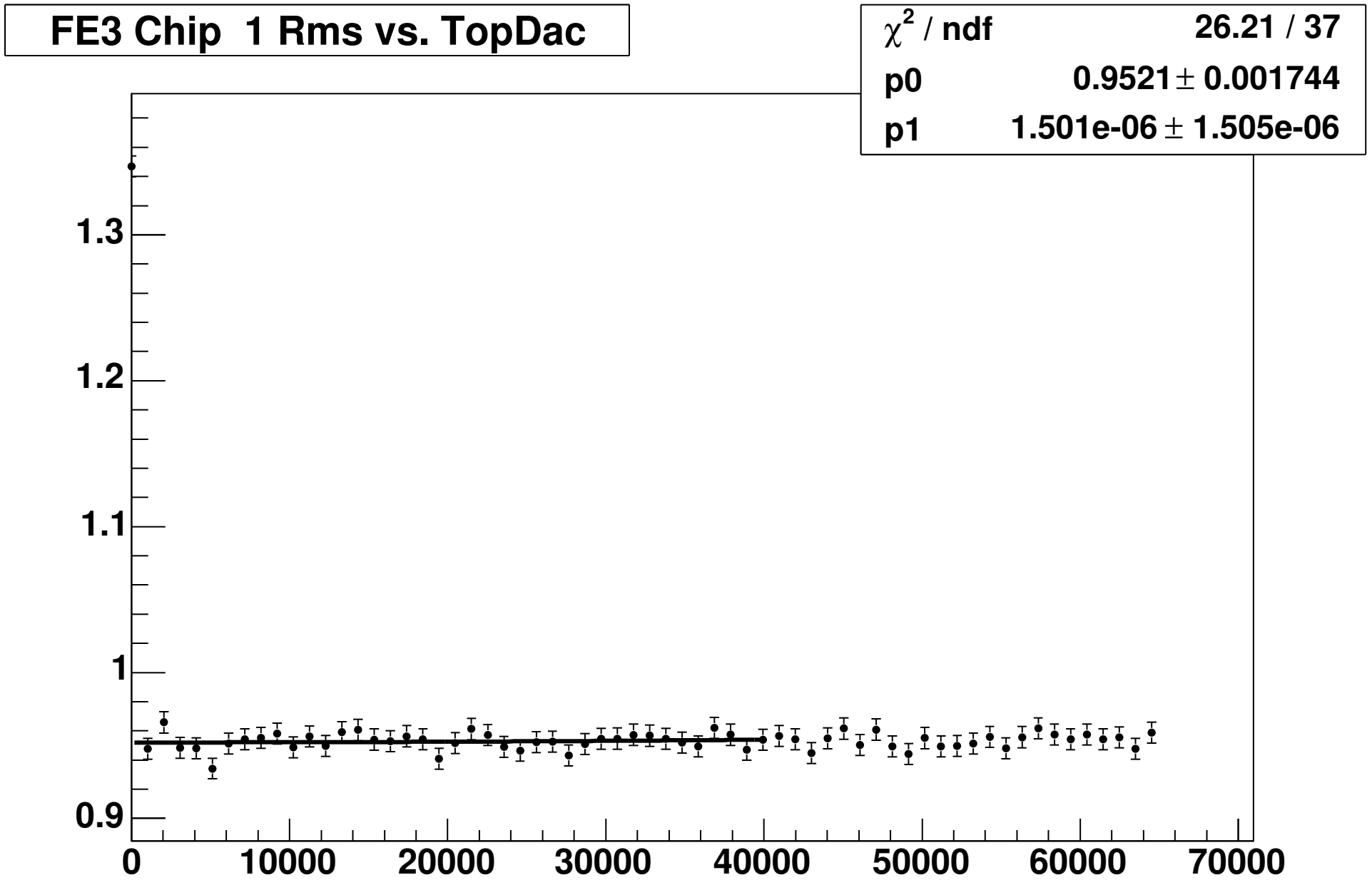
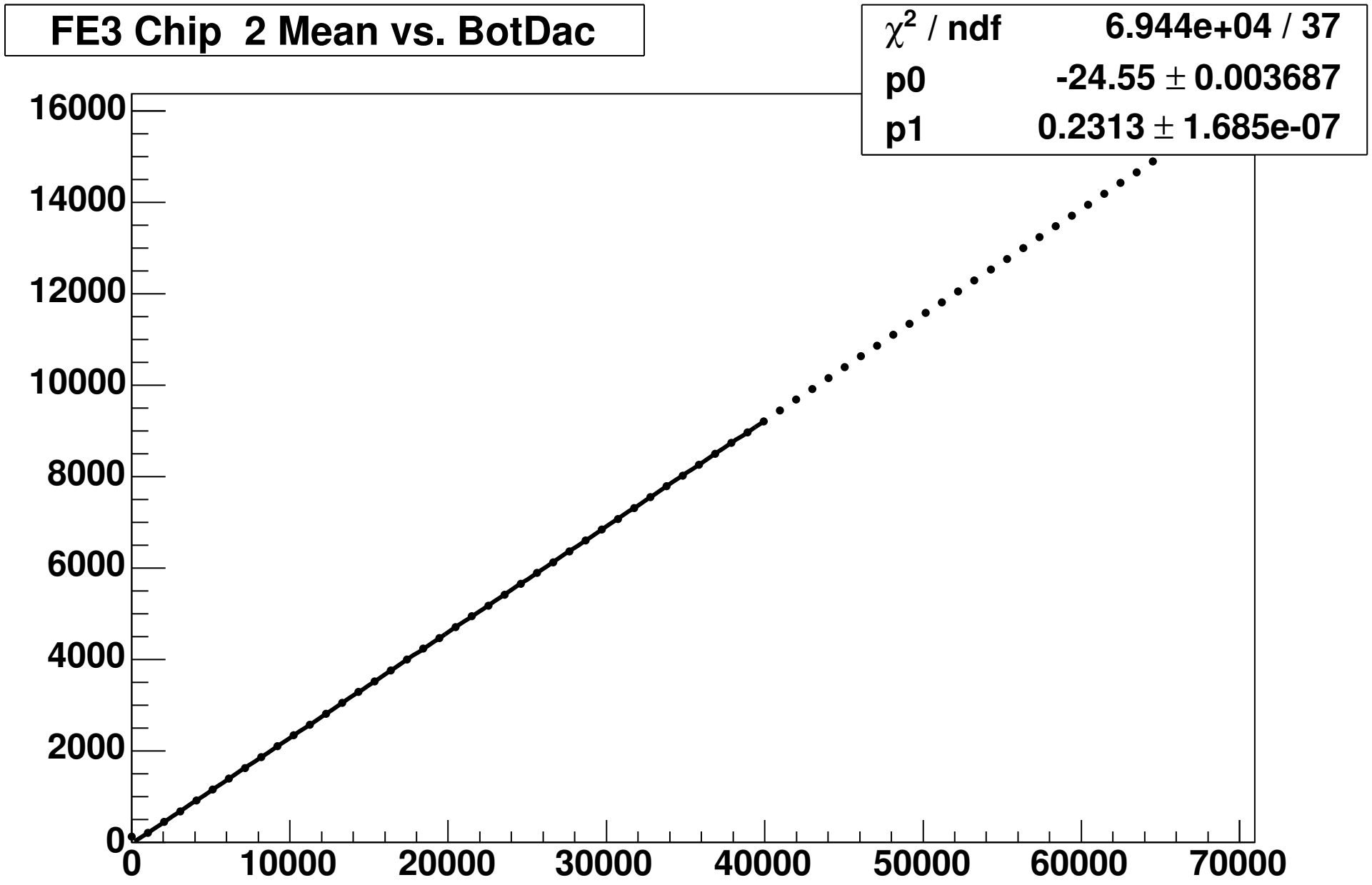
50000
60000
70000

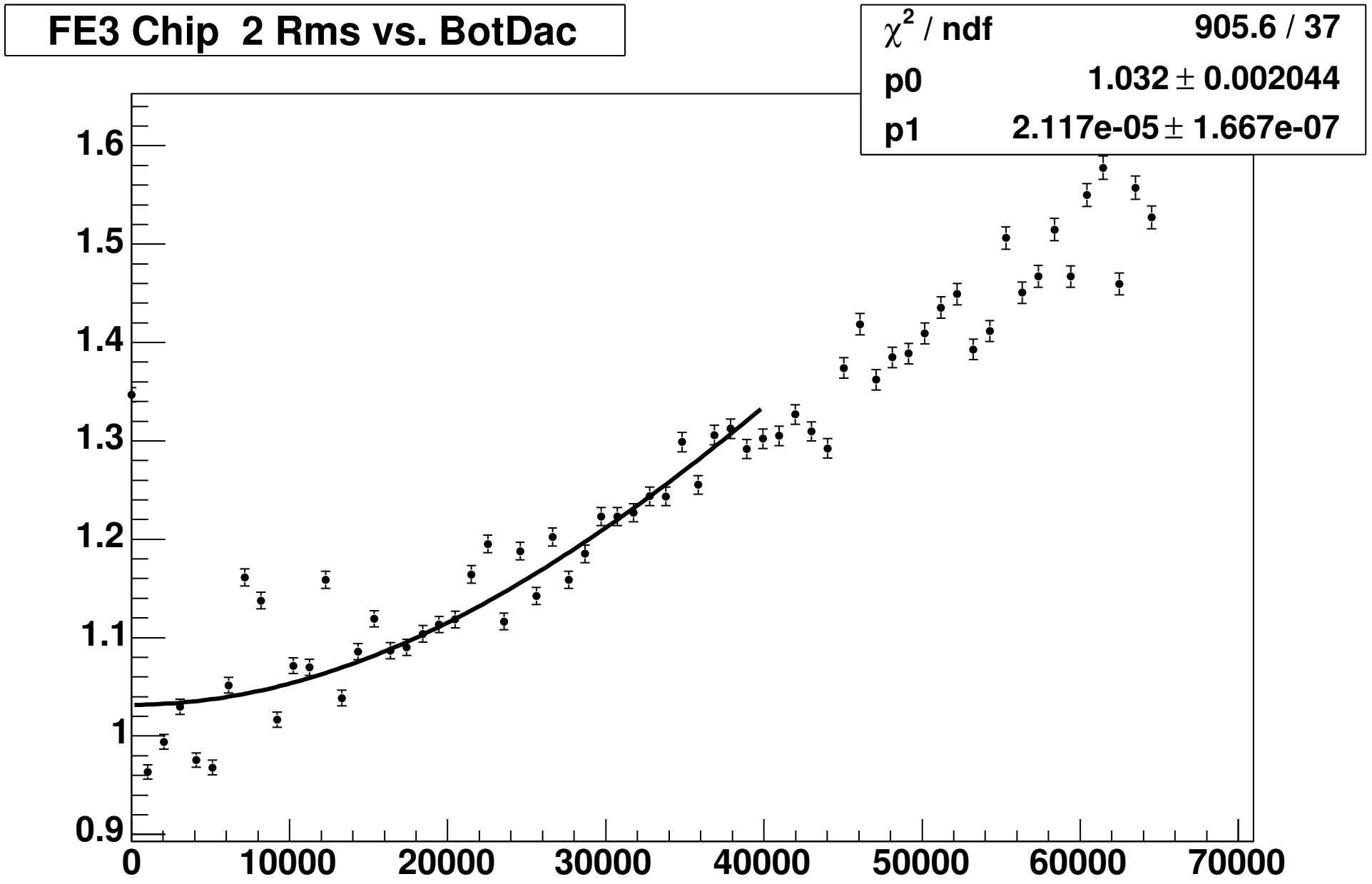

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.612e+05 / 37
p0 -21.01 ± 0.003641
p1 0.2311 ± 1.665e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

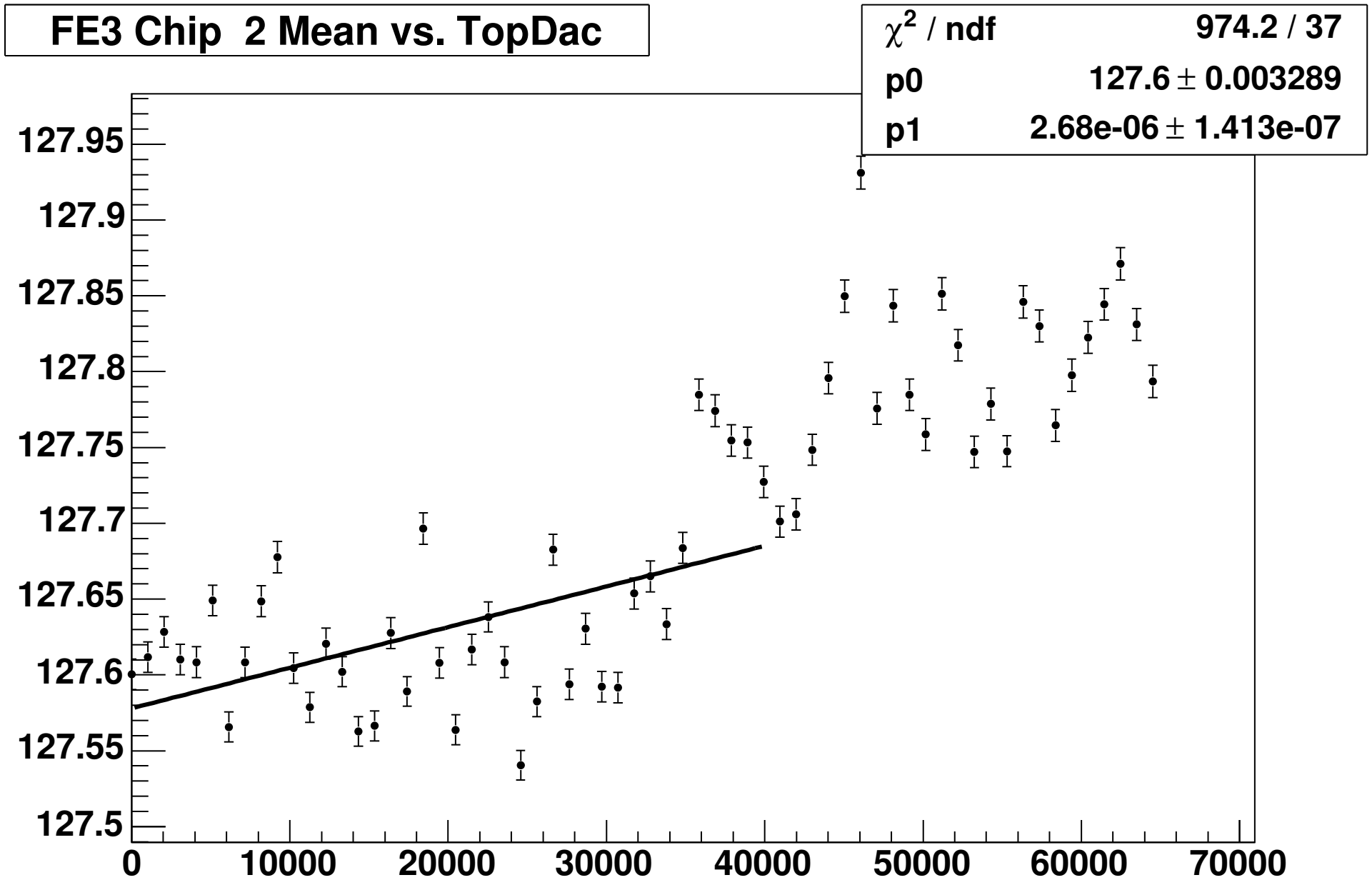

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 528.7 / 37
p0 1.011 ± 0.002004
p1 2.077e-05 ± 1.635e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1141 / 37
p0 131.3 ± 0.00331
p1 2.539e-06 ± 1.409e-07
131.65
131.6
131.55
131.5
131.45
131.4
131.35
131.3
131.25
131.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 26.21 / 37
p0 0.9521 ± 0.001744
p1 1.501e-06 ± 1.505e-06
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 6.944e+04 / 37
p0 -24.55 ± 0.003687
p1 0.2313 ± 1.685e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 905.6 / 37
p0 1.032 ± 0.002044
p1 2.117e-05 ± 1.667e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ^2 / ndf 974.2 / 37
p0 127.6 ± 0.003289
p1 2.68e-06 ± 1.413e-07
127.95
127.9
127.85
127.8
127.75
127.7
127.65
127.6
127.55
127.5
0
10000
20000
30000
40000
50000
60000
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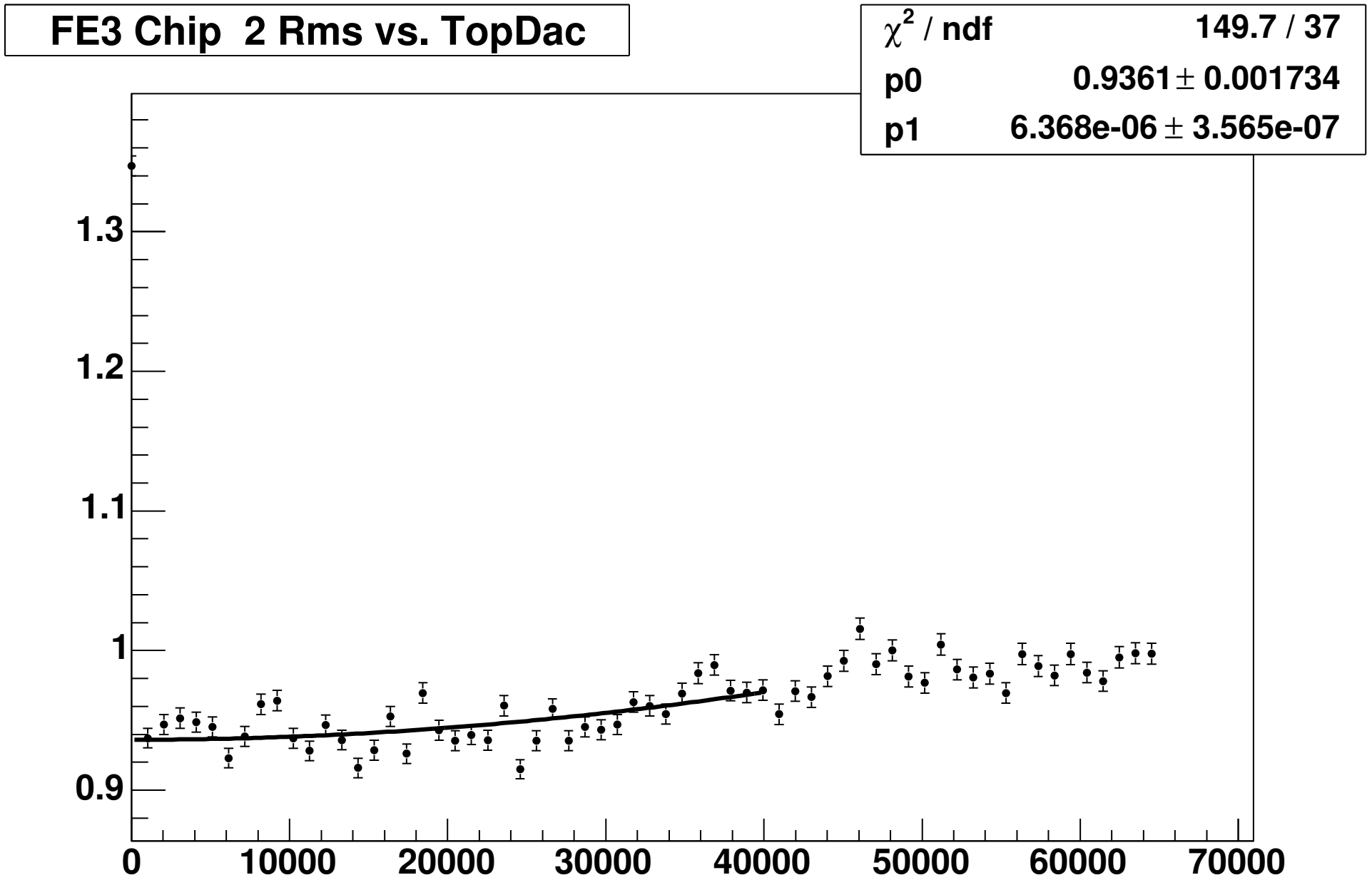
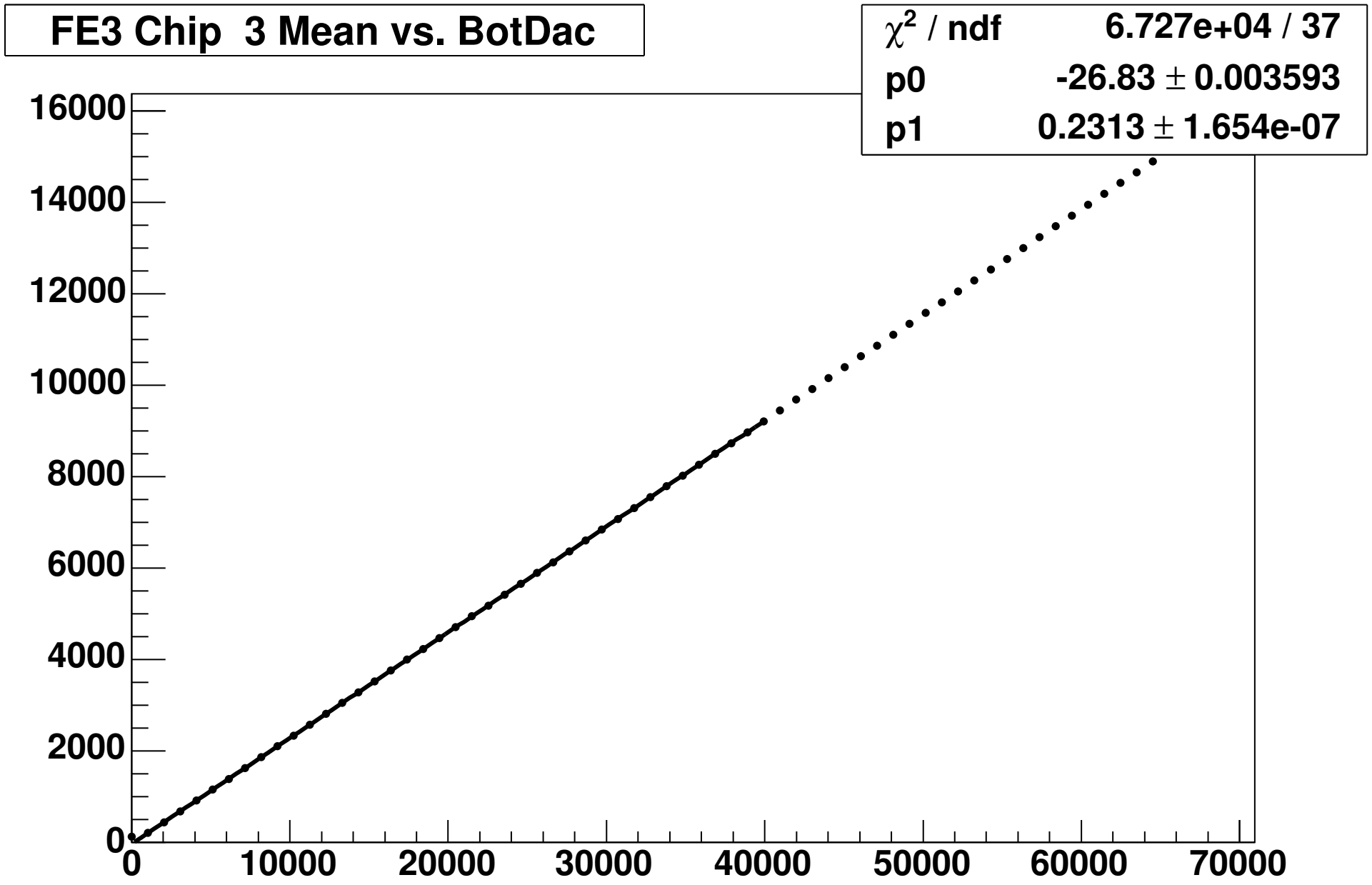
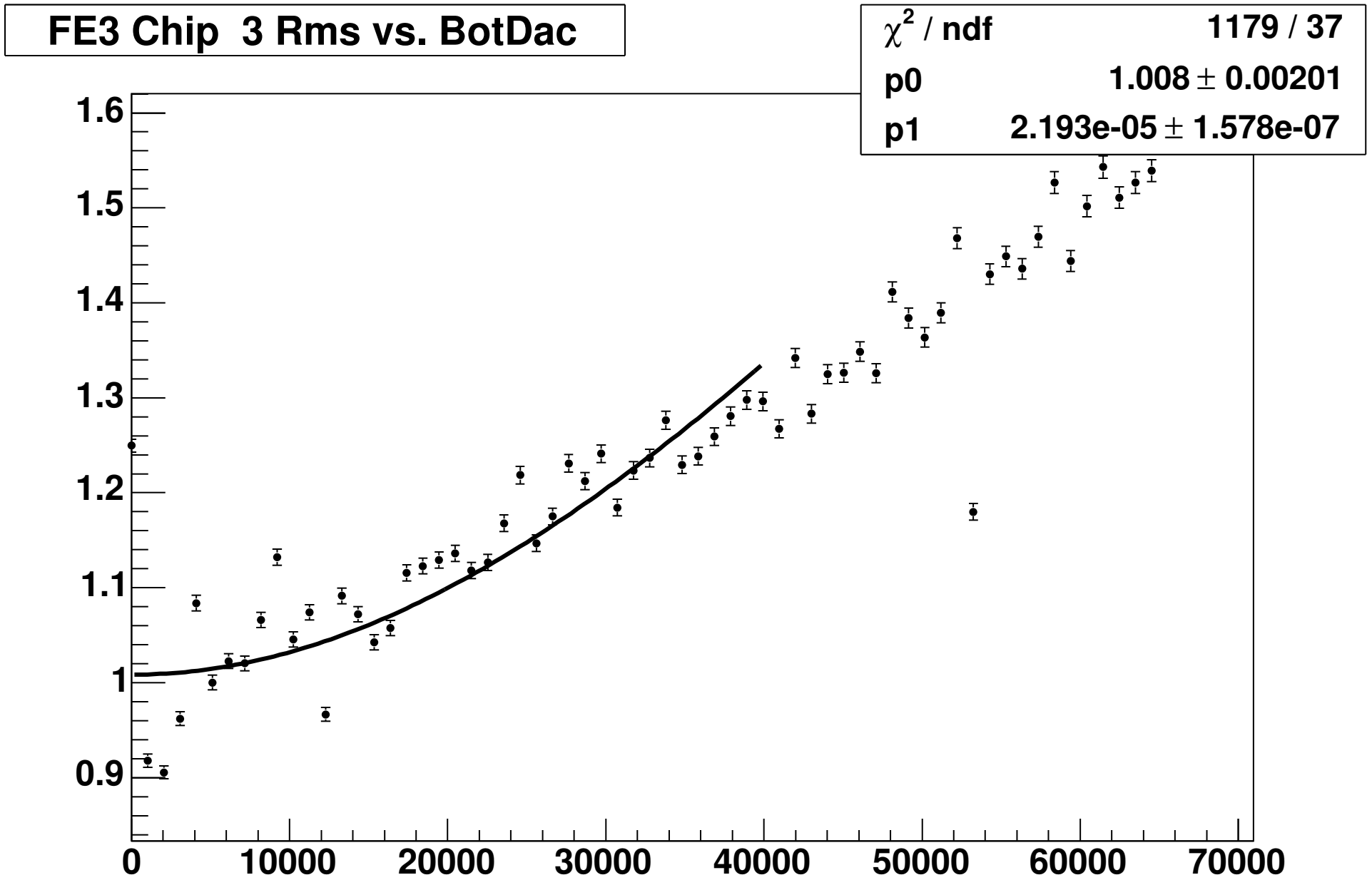
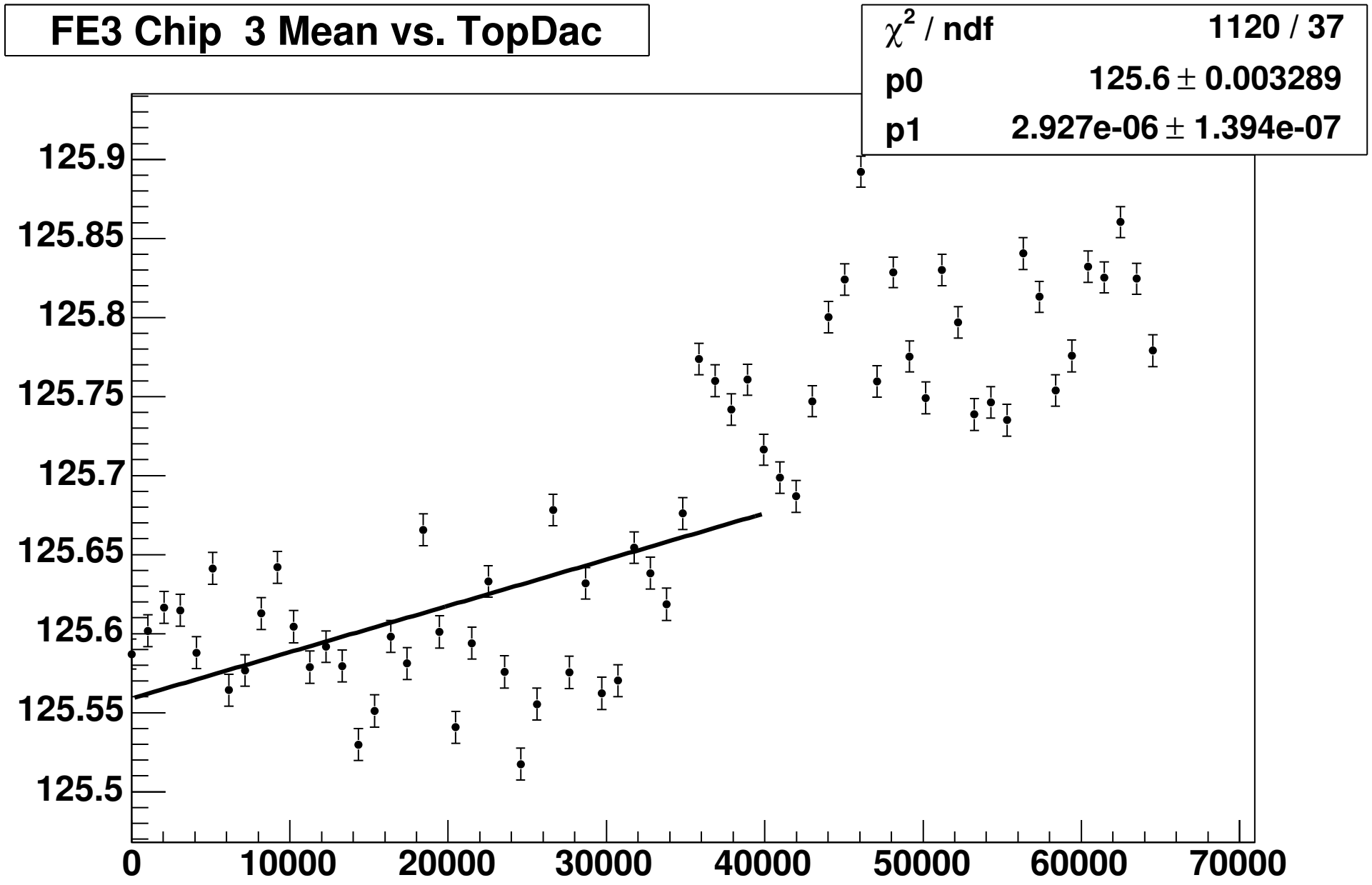
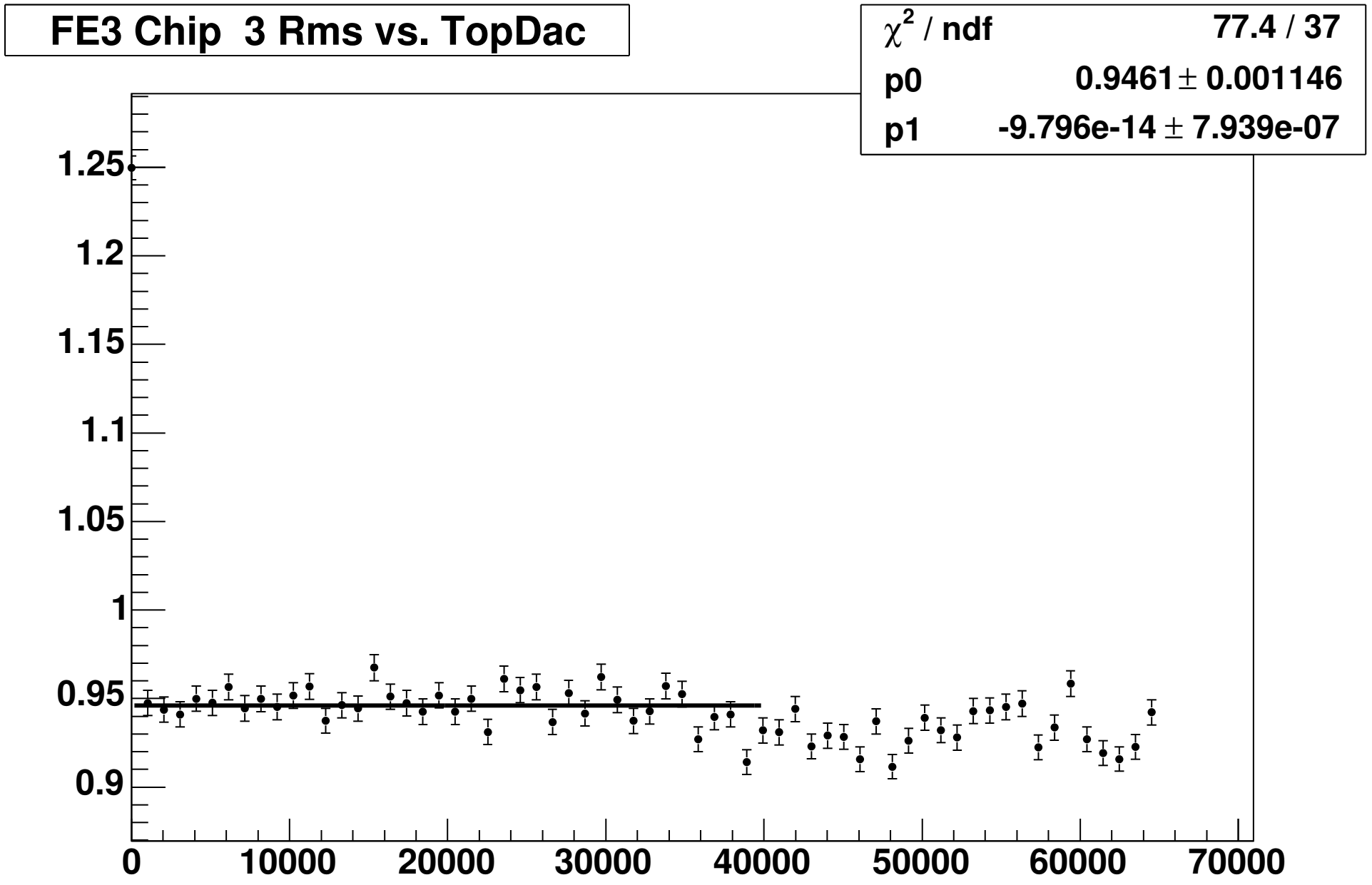
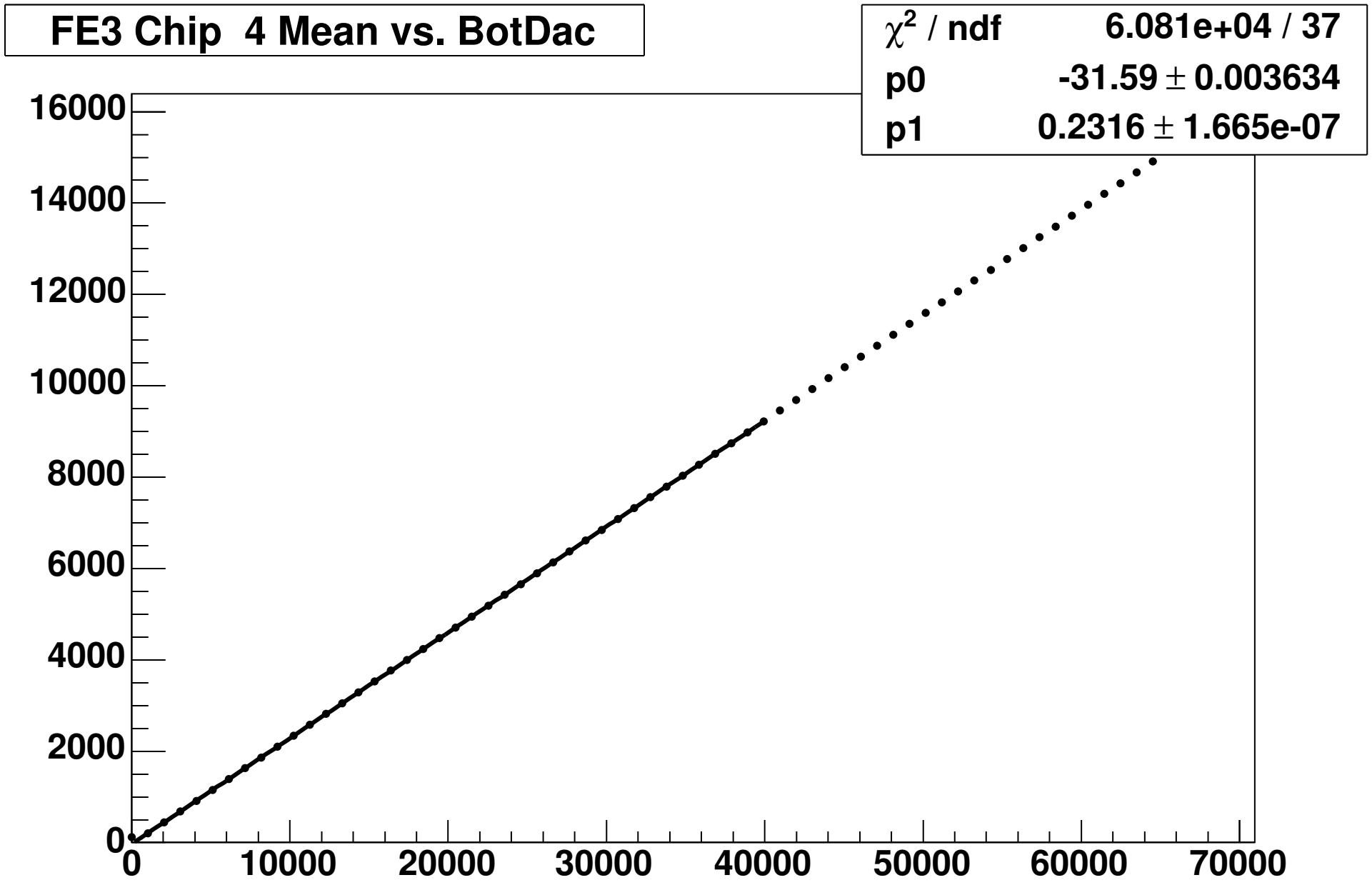

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 149.7 / 37
p0 0.9361 ± 0.001734
p1 6.368e-06 ± 3.565e-07
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

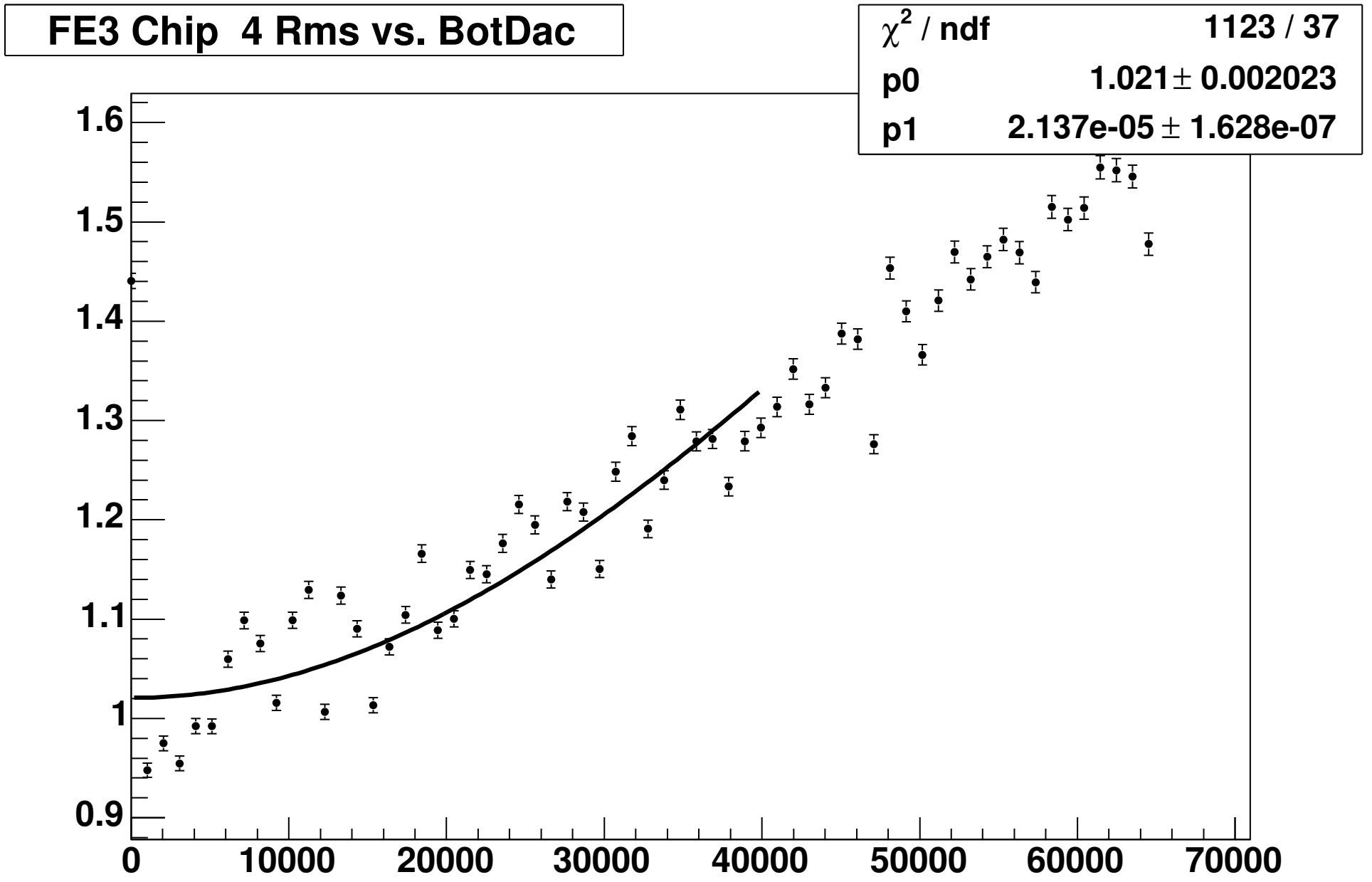

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 6.727e+04 / 37
p0 -26.83 ± 0.003593
p1 0.2313 ± 1.654e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1179 / 37
p0 1.008 ± 0.00201
p1 2.193e-05 ± 1.578e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1120 / 37
p0 125.6 ± 0.003289
p1 2.927e-06 ± 1.394e-07
125.9
125.85
125.8
125.75
125.7
125.65
125.6
125.55
125.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 77.4 / 37
p0 0.9461 ± 0.001146
p1 -9.796e-14 ± 7.939e-07
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 6.081e+04 / 37
p0 -31.59 ± 0.003634
p1 0.2316 ± 1.665e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1123 / 37
p0 1.021 ± 0.002023
p1 2.137e-05 ± 1.628e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
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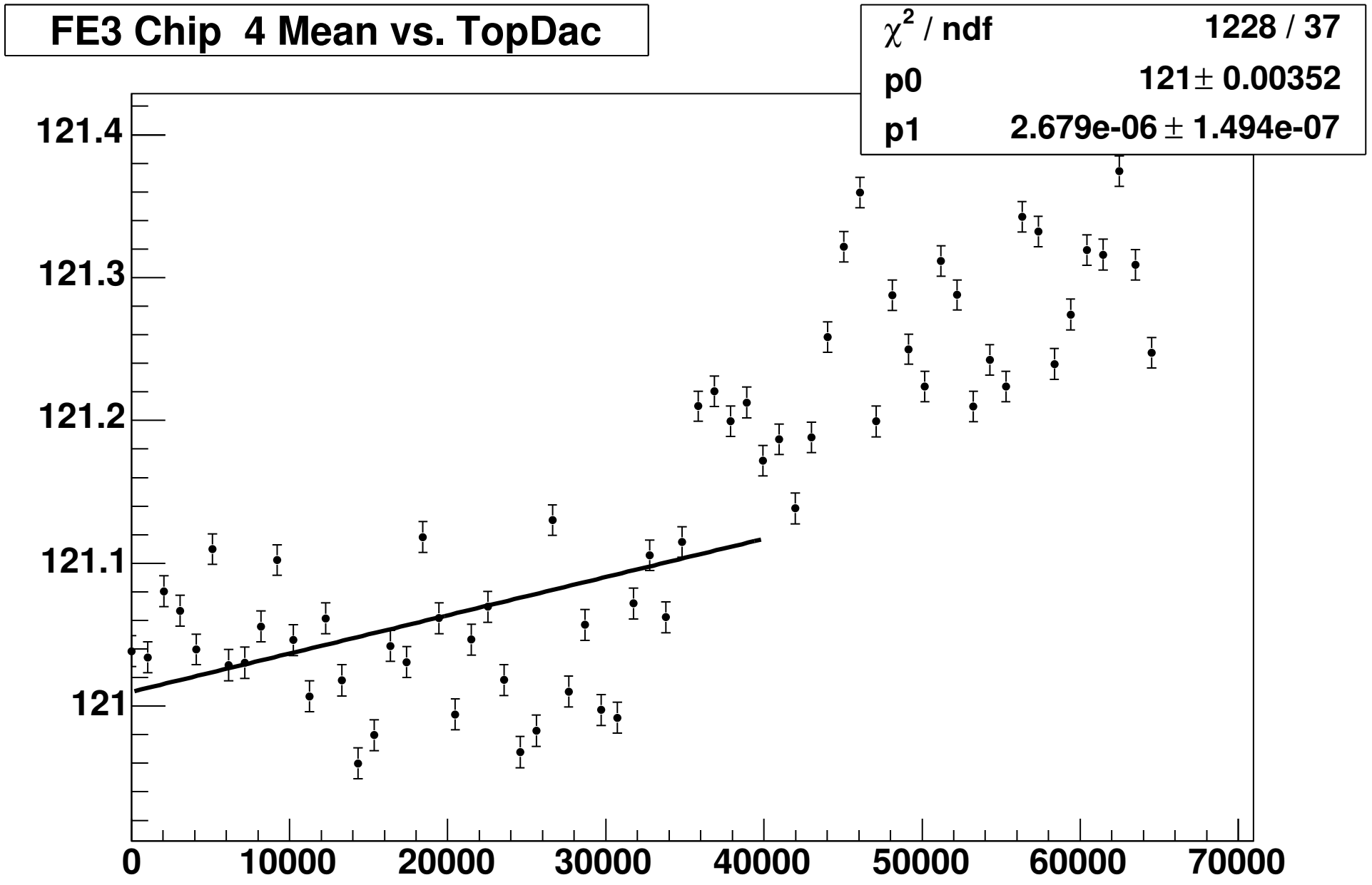
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 1228 / 37
p0 121 ± 0.00352
p1 2.679e-06 ± 1.494e-07
121.4
121.3
121.2
121.1
121
0
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60000
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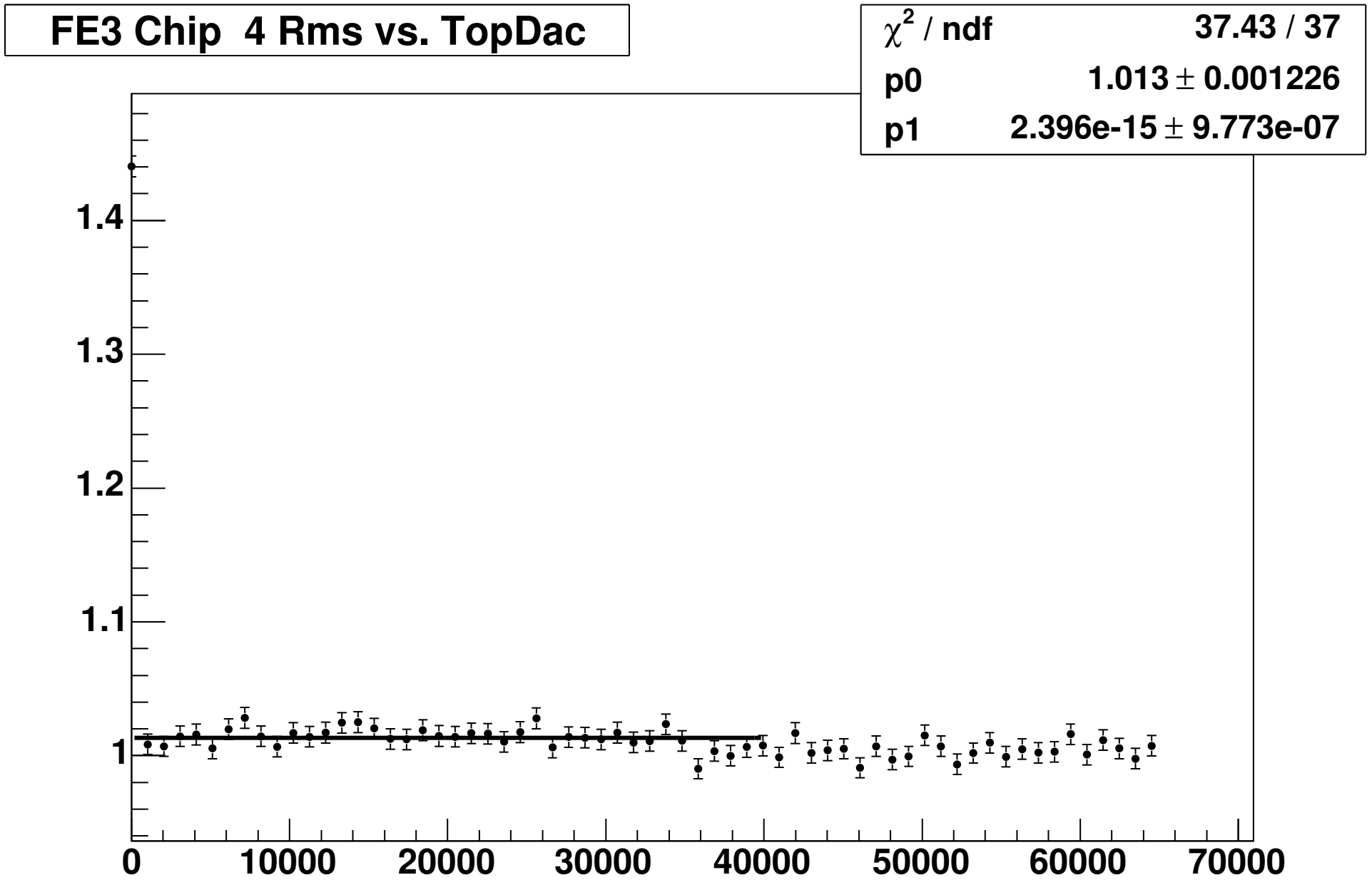
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 37.43 / 37
p0 1.013 ± 0.001226
p1 2.396e-15 ± 9.773e-07
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1.3
1.2
1.1
1
0
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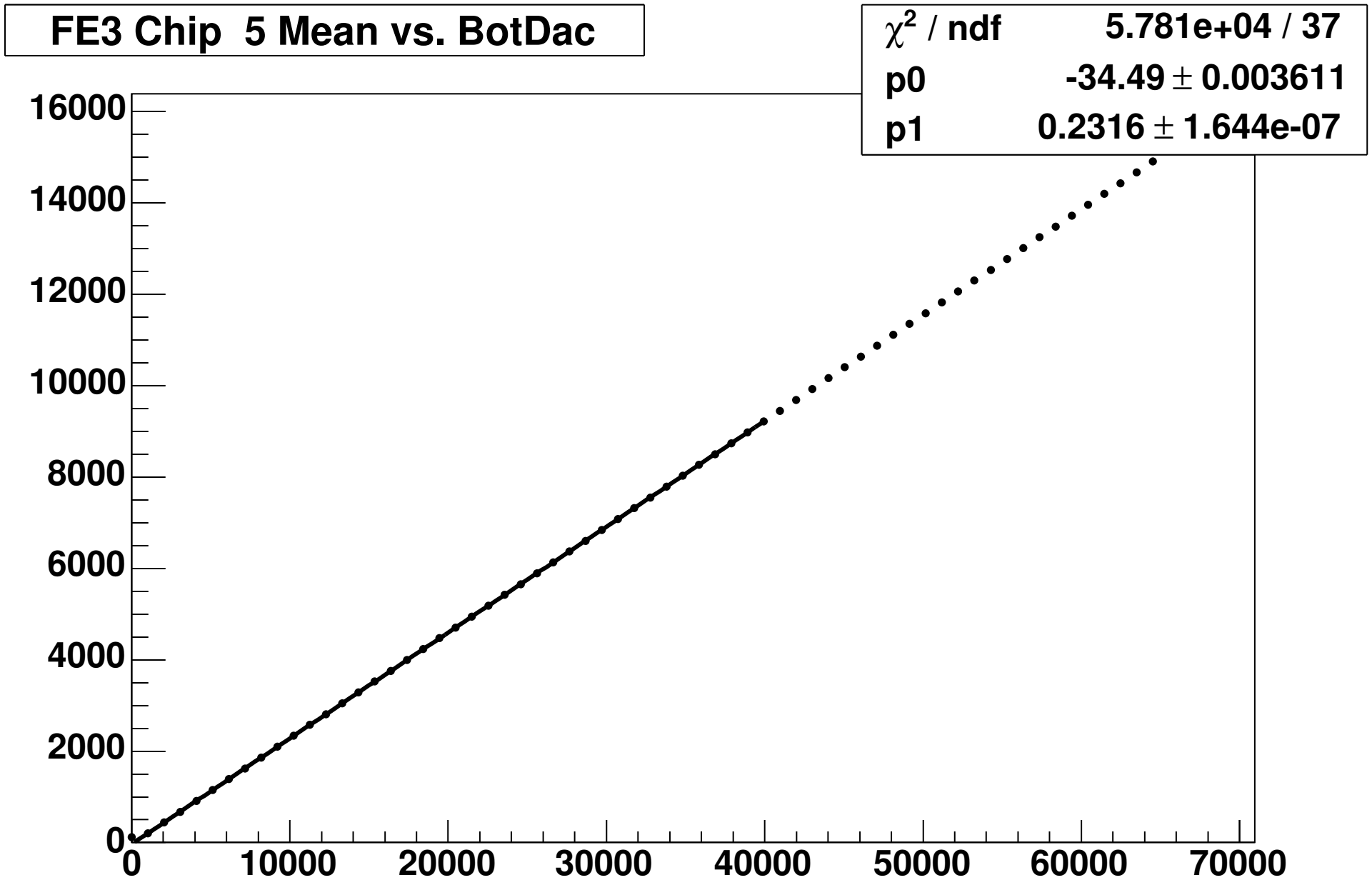
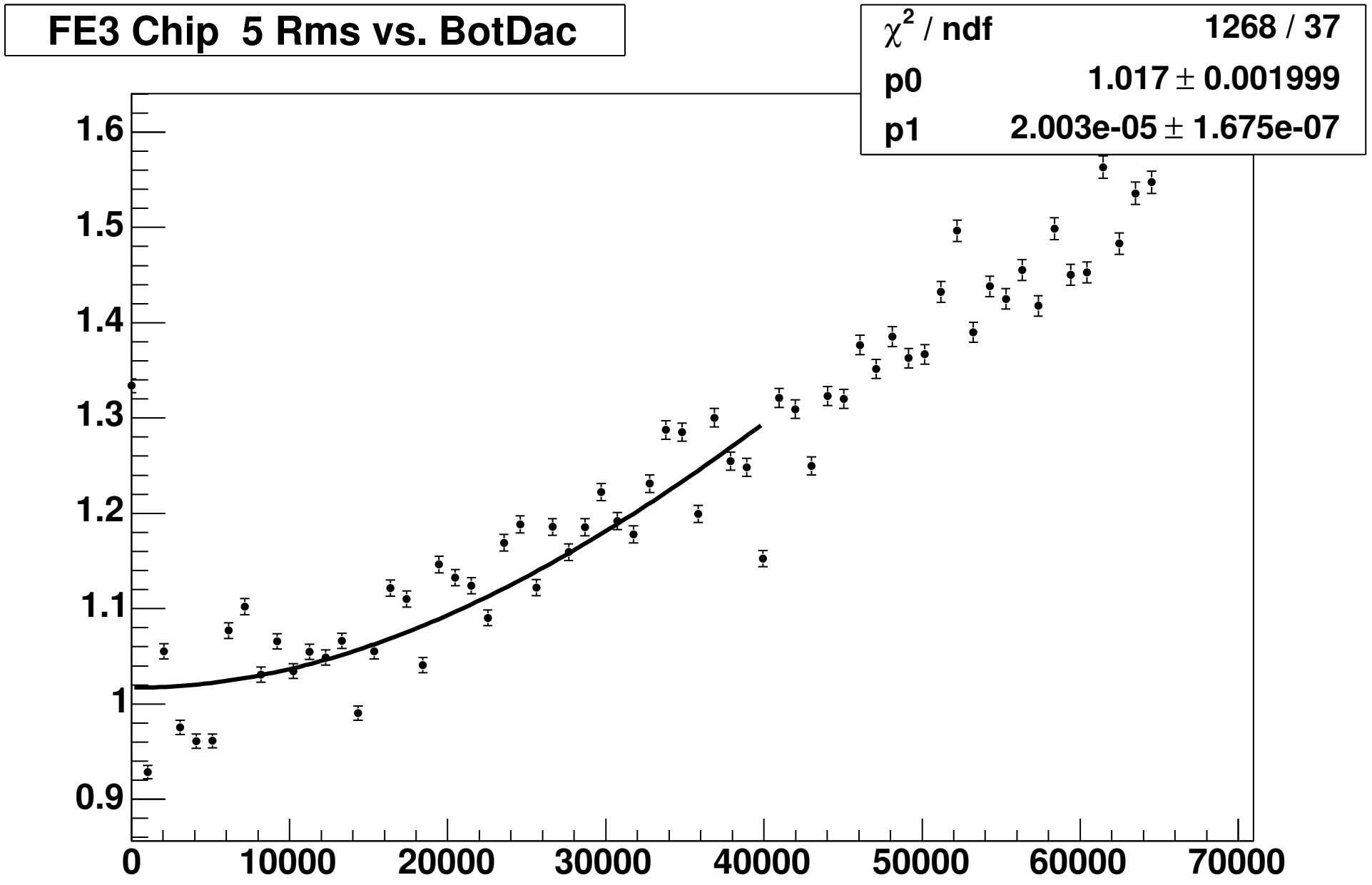

FE3 Chip 5 Mean vs. BotDac
χ² / ndf 5.781e+04 / 37
p0 -34.49 ± 0.003611
p1 0.2316 ± 1.644e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1268 / 37
p0 1.017 ± 0.001999
p1 2.003e-05 ± 1.675e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
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30000
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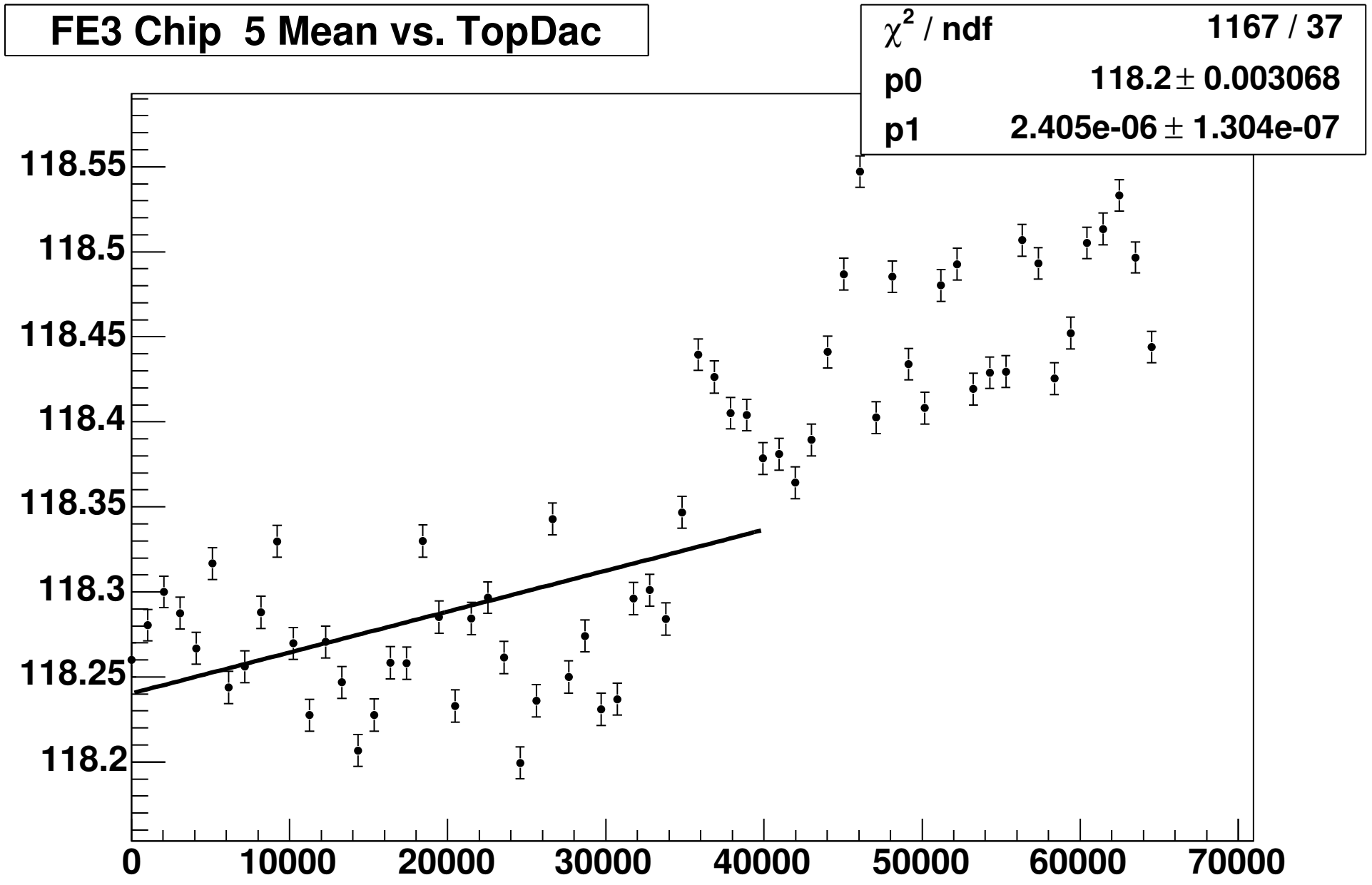
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 1167 / 37
p0 118.2 ± 0.003068
p1 2.405e-06 ± 1.304e-07
118.55
118.5
118.45
118.4
118.35
118.3
118.25
118.2
0
10000
20000
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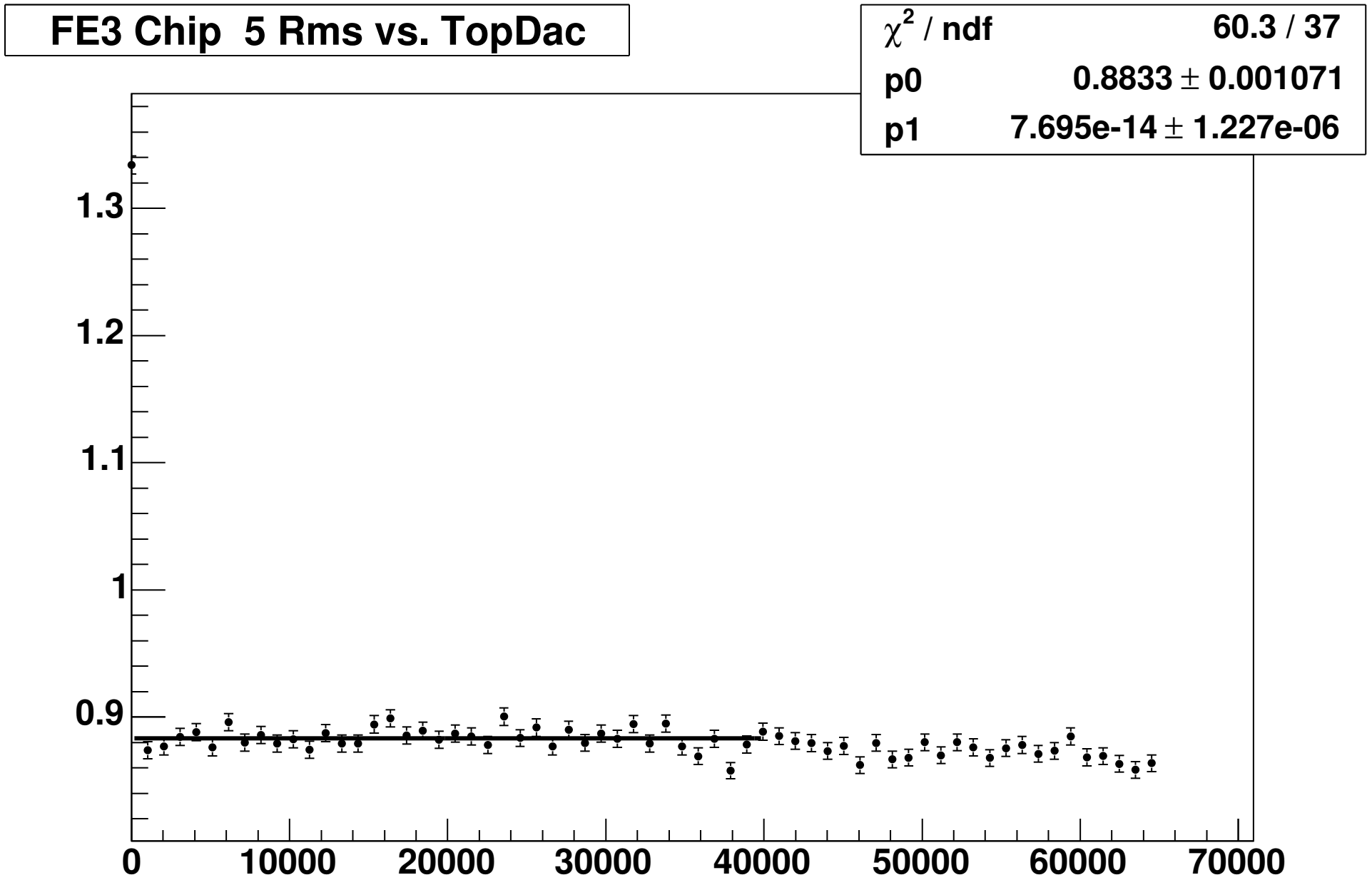
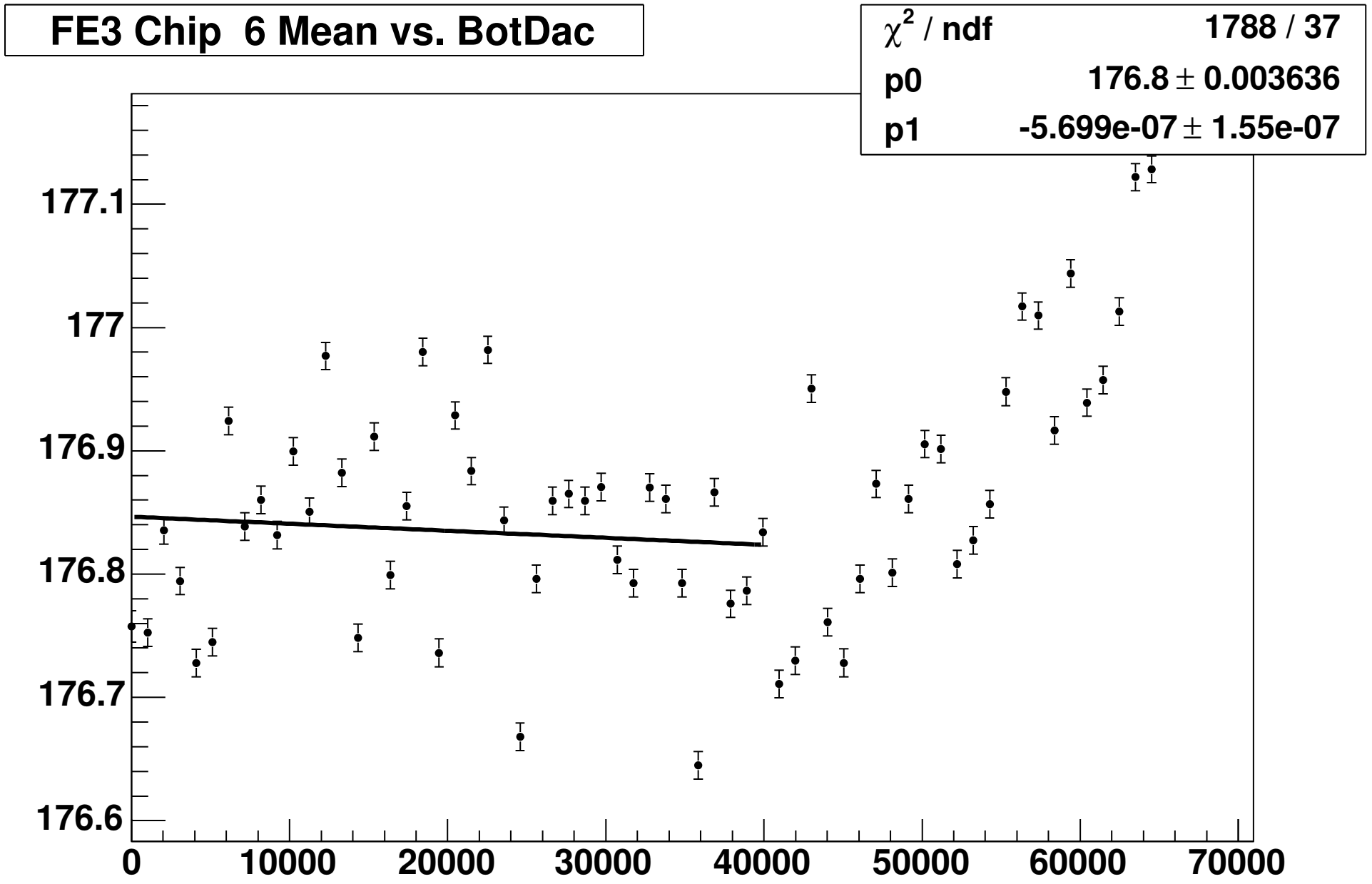
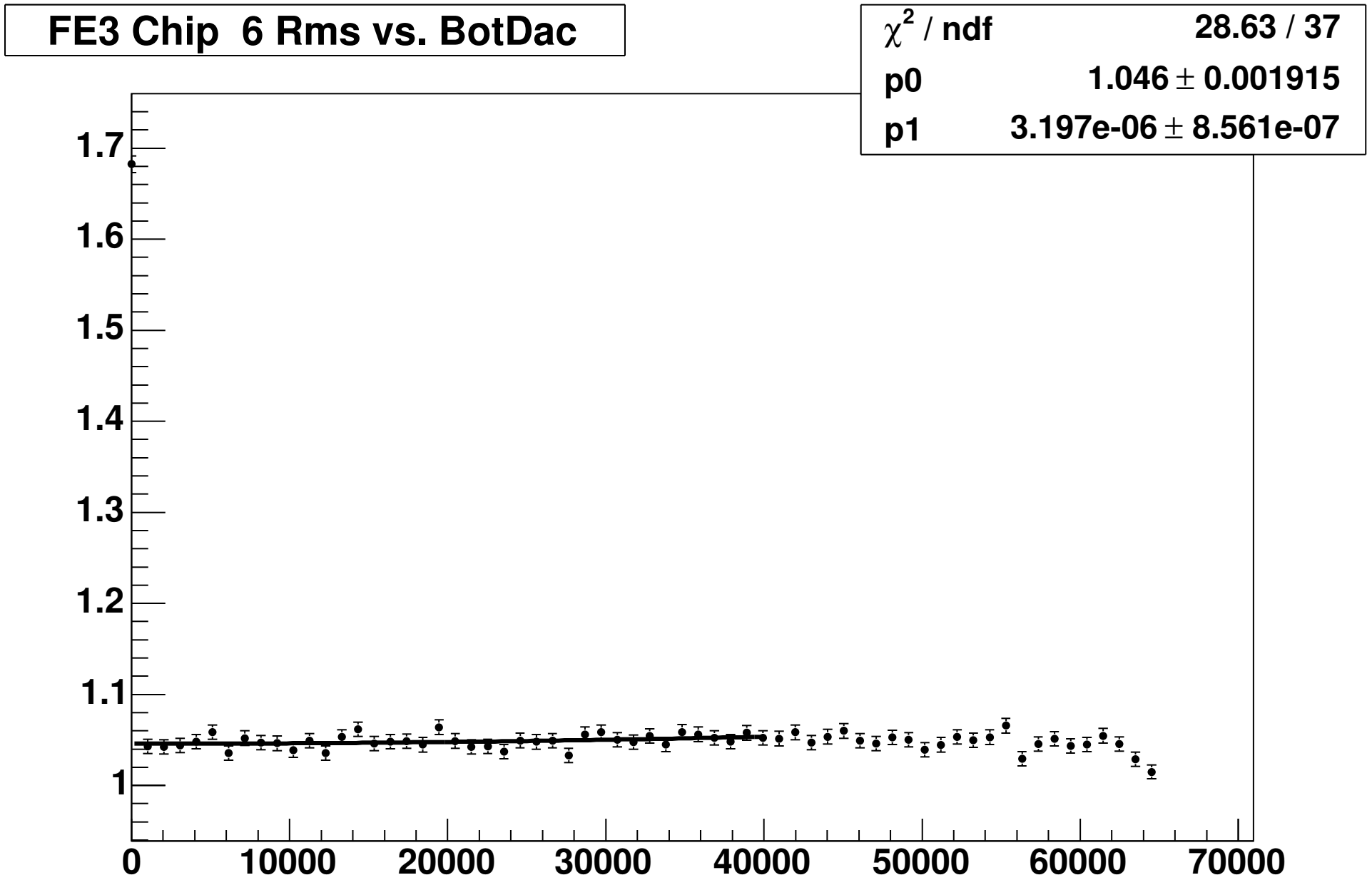

FE3 Chip 5 Rms vs. TopDac
χ² / ndf 60.3 / 37
p0 0.8833 ± 0.001071
p1 7.695e-14 ± 1.227e-06
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Mean vs. BotDac
χ² / ndf 1788 / 37
p0 176.8 ± 0.003636
p1 -5.699e-07 ± 1.55e-07
177.1
177
176.9
176.8
176.7
176.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. BotDac
χ² / ndf 28.63 / 37
p0 1.046 ± 0.001915
p1 3.197e-06 ± 8.561e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
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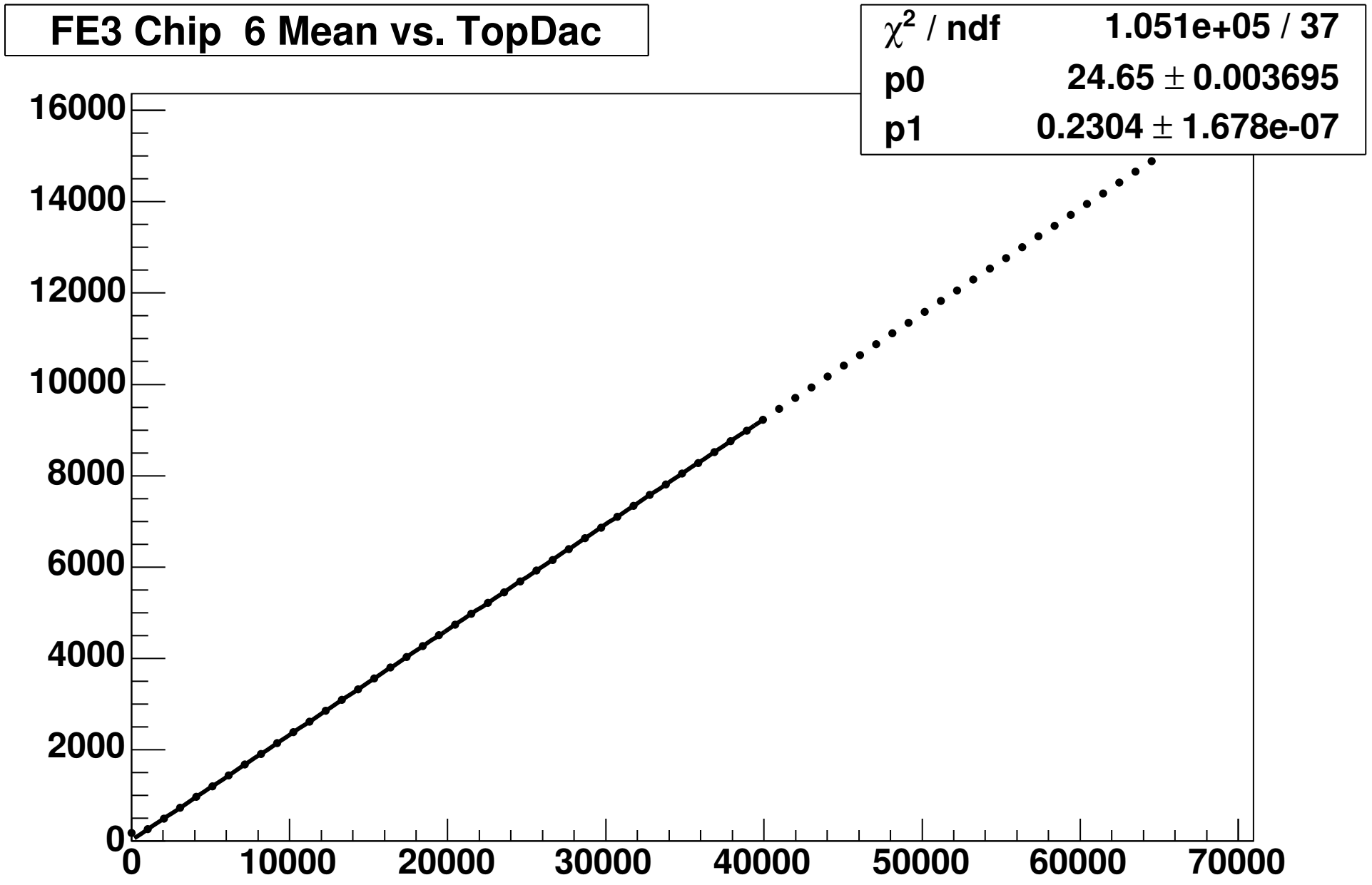
50000
60000
70000


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.051e+05 / 37
p0 24.65 ± 0.003695
p1 0.2304 ± 1.678e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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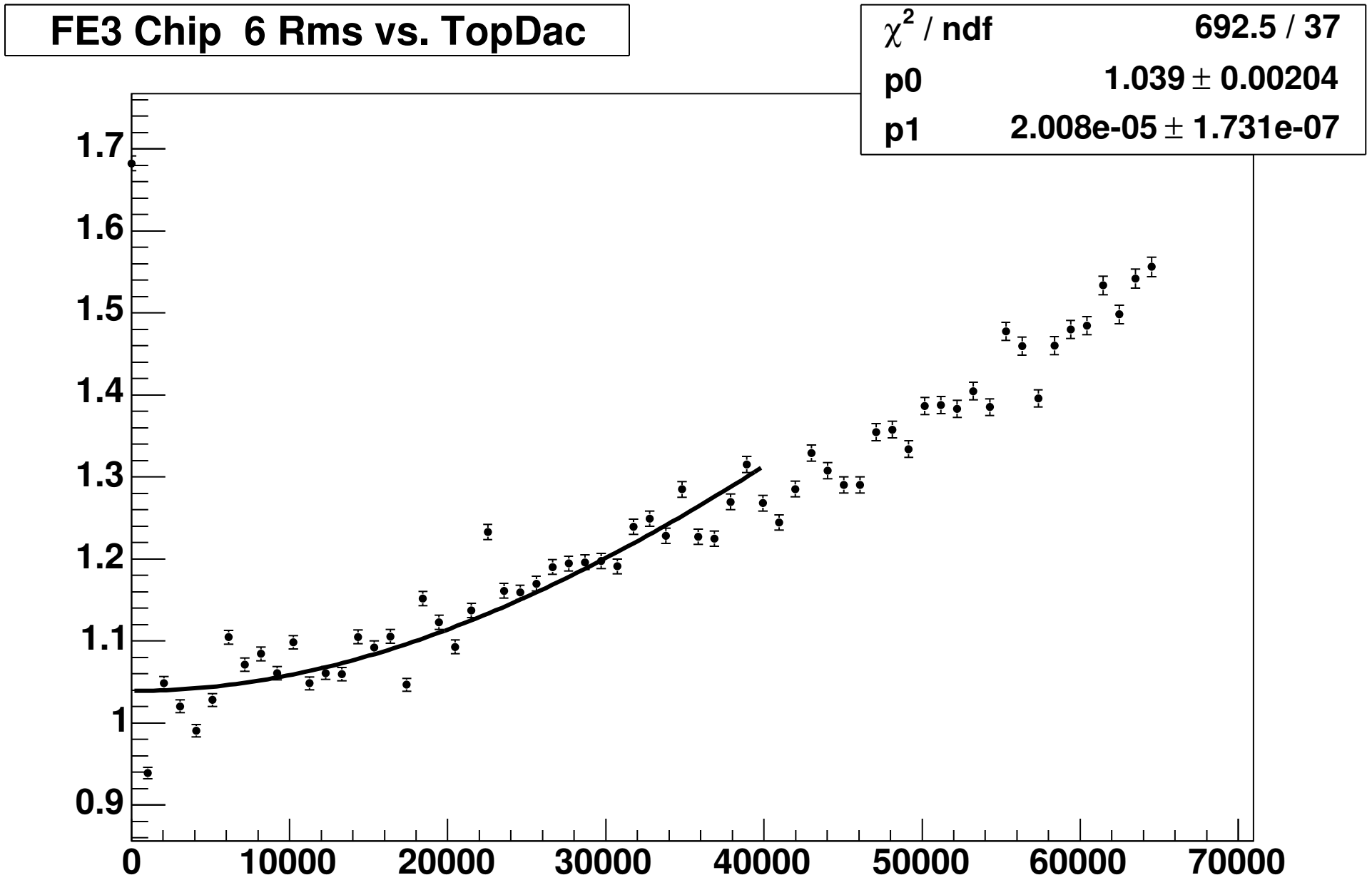
FE3 Chip 6 Rms vs. TopDac
χ² / ndf 692.5 / 37
p0 1.039 ± 0.00204
p1 2.008e-05 ± 1.731e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
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60000
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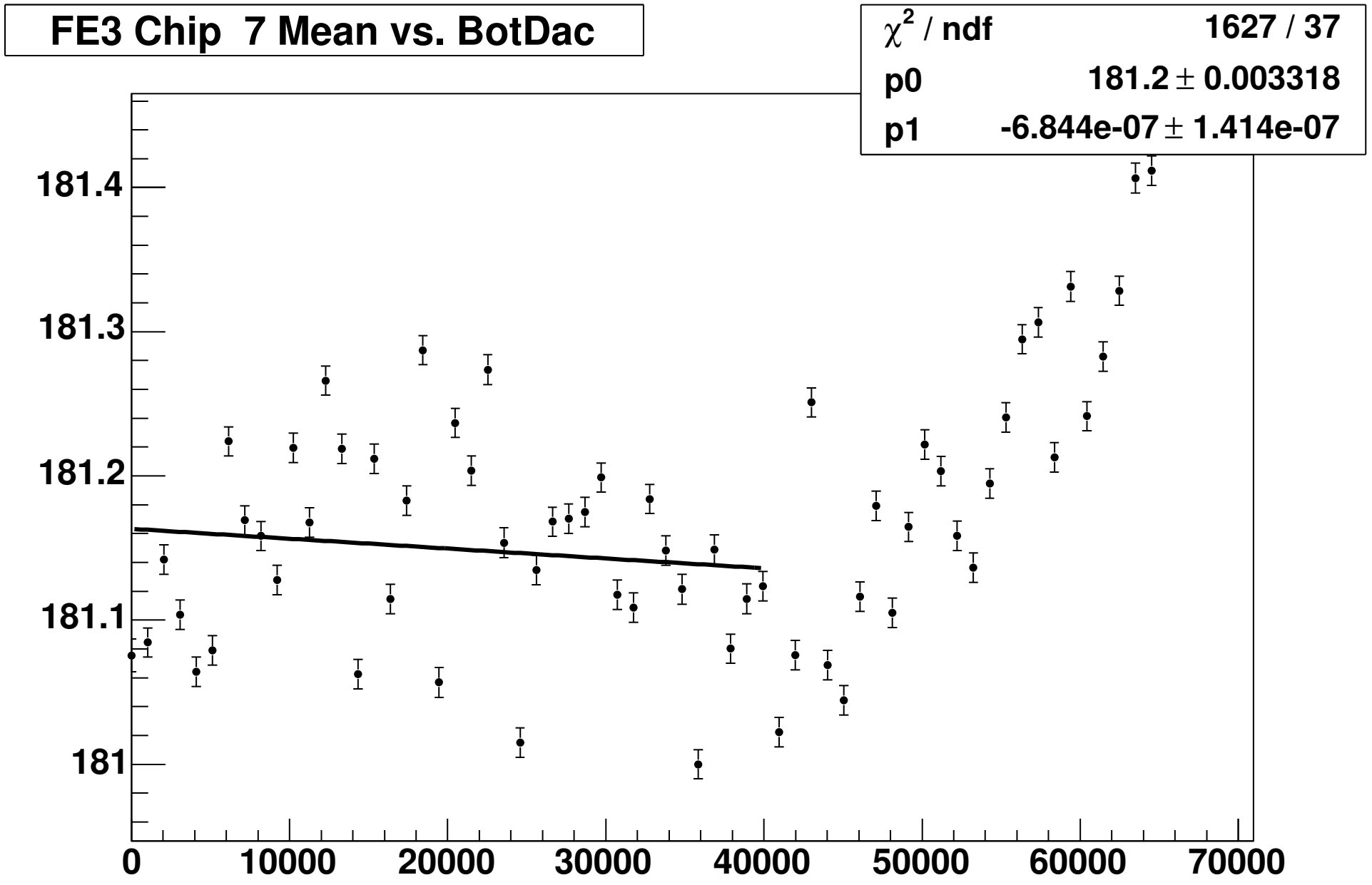
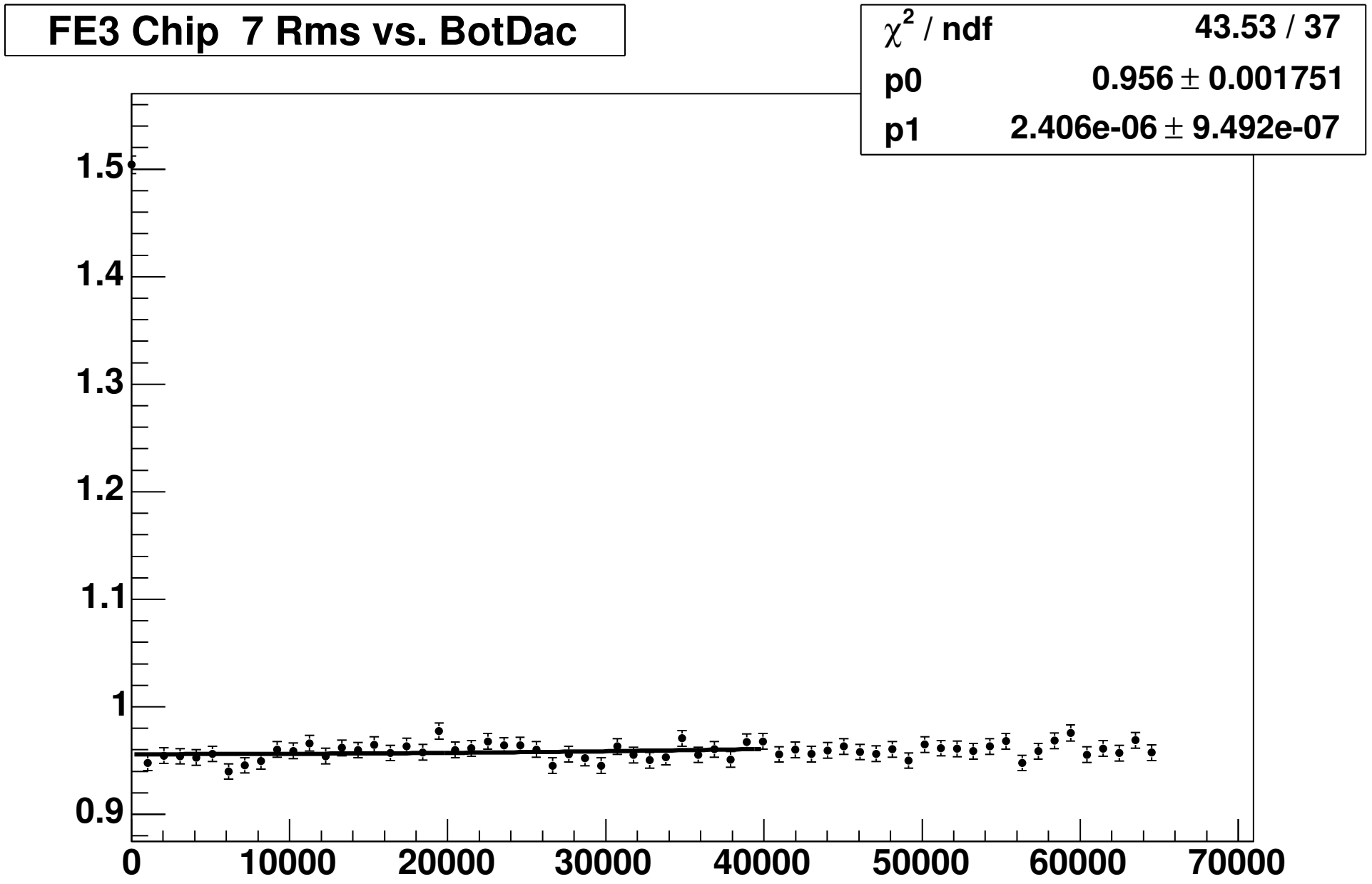

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 1627 / 37
p0 181.2 ± 0.003318
p1 -6.844e-07 ± 1.414e-07
181.4
181.3
181.2
181.1
181
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 43.53 / 37
p0 0.956 ± 0.001751
p1 2.406e-06 ± 9.492e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
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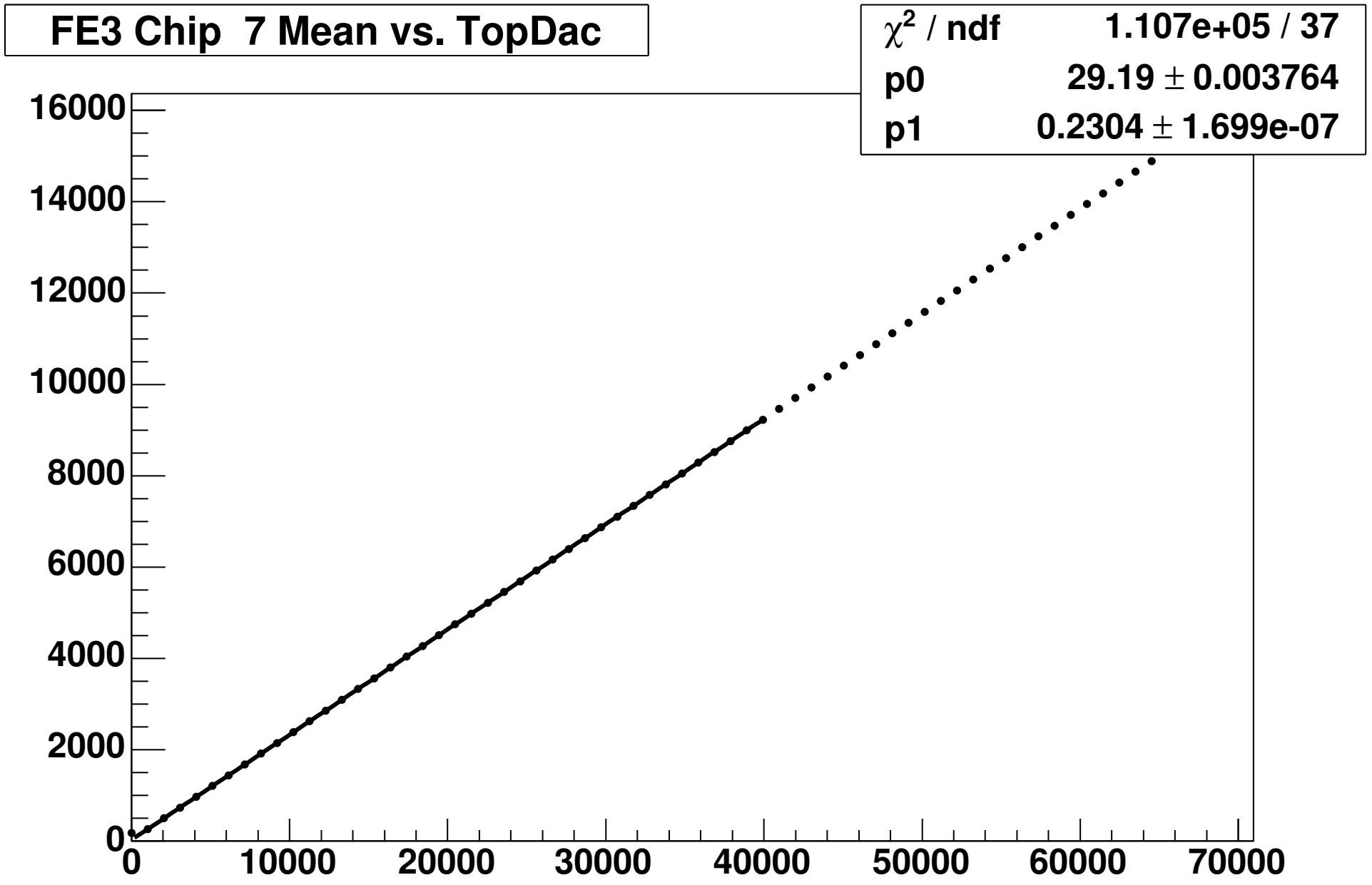
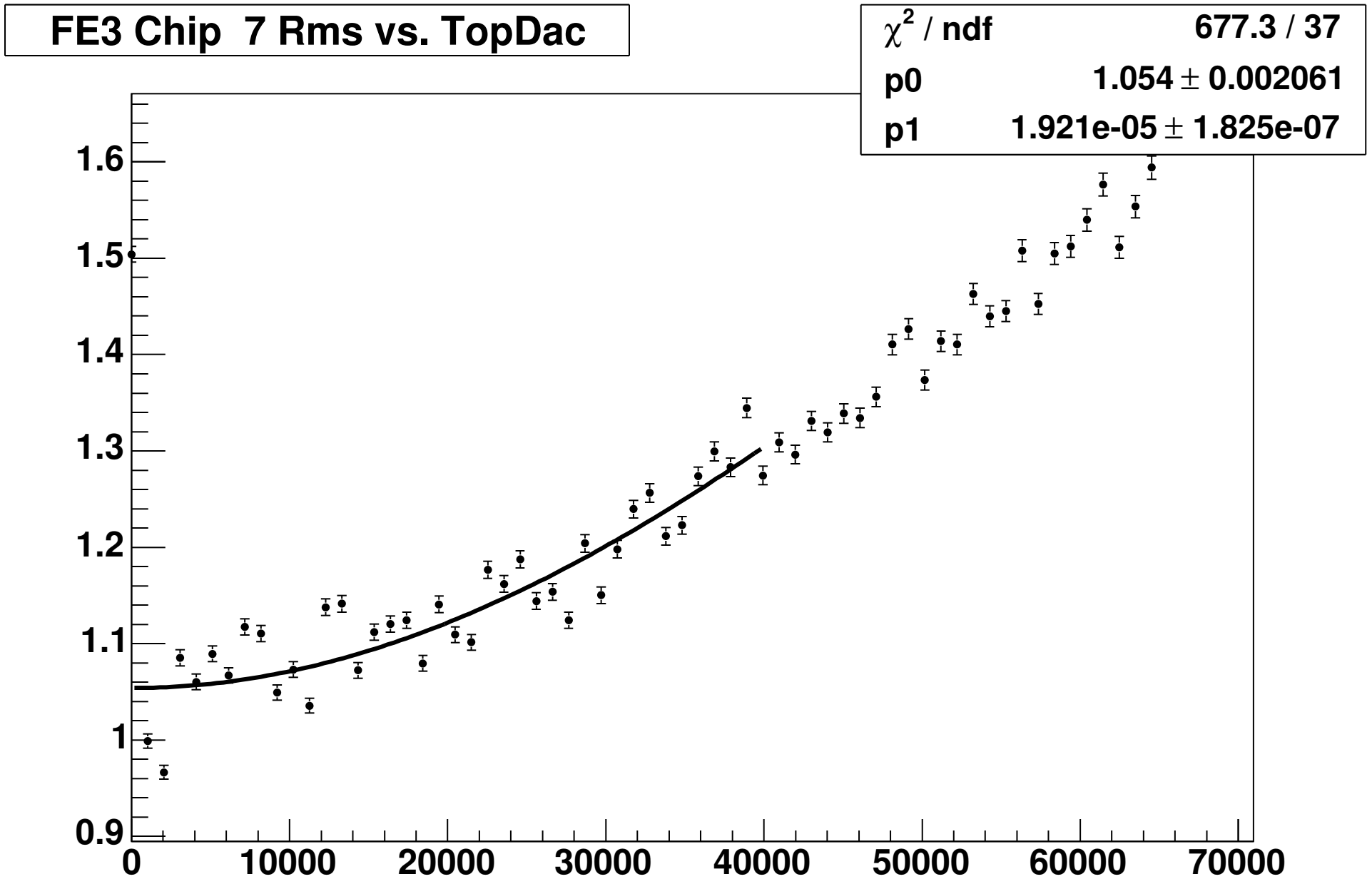
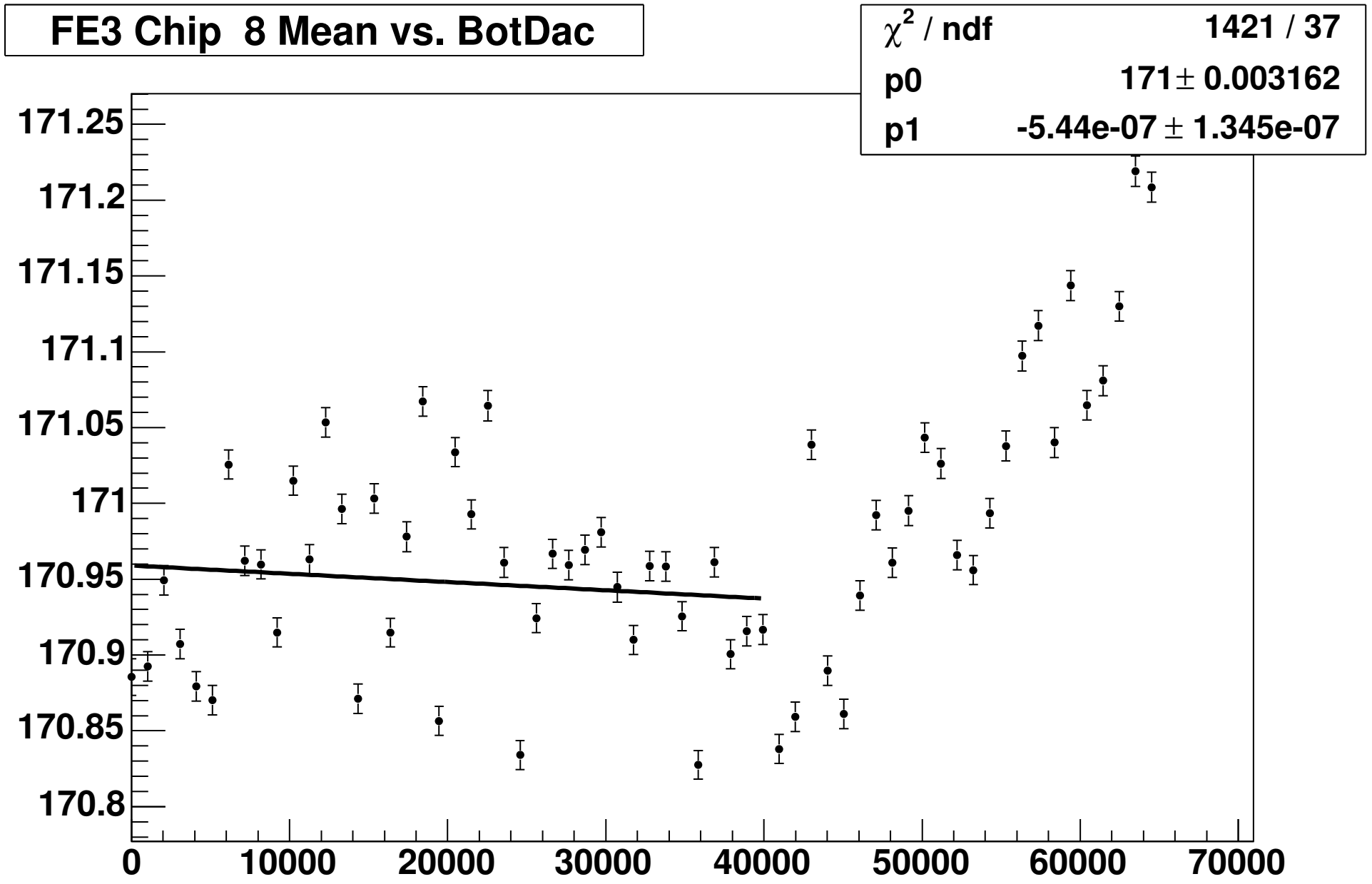
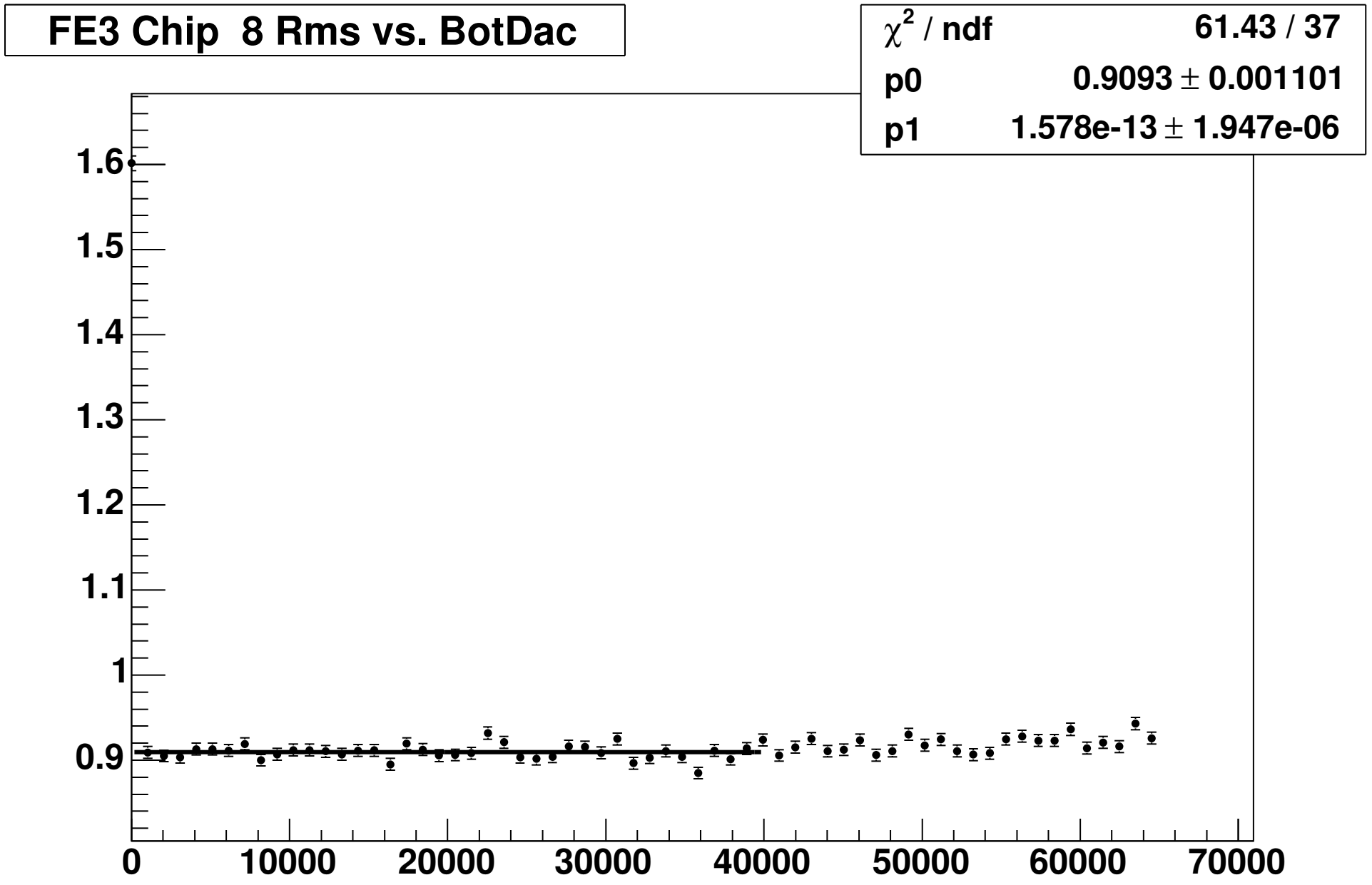
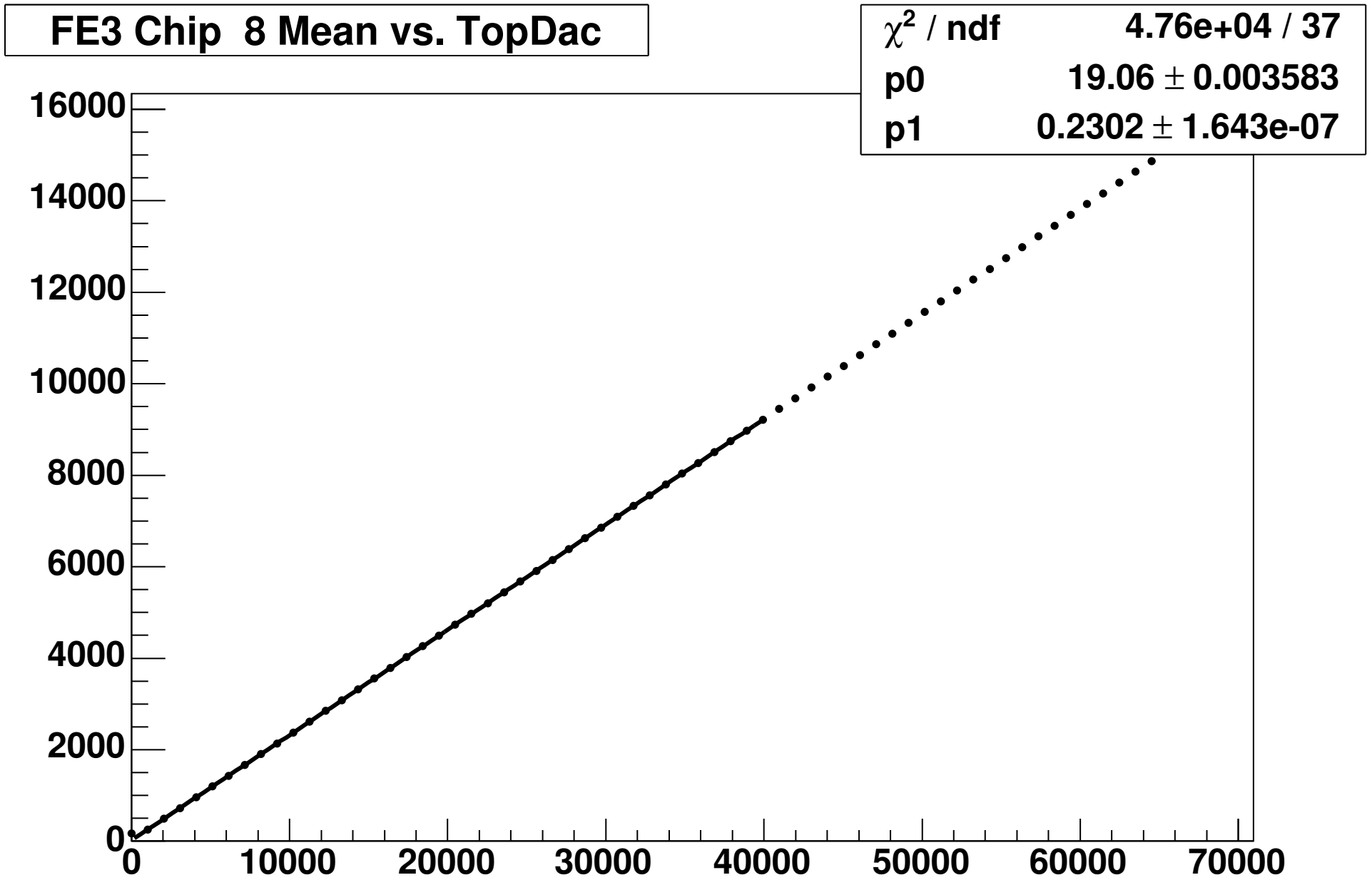
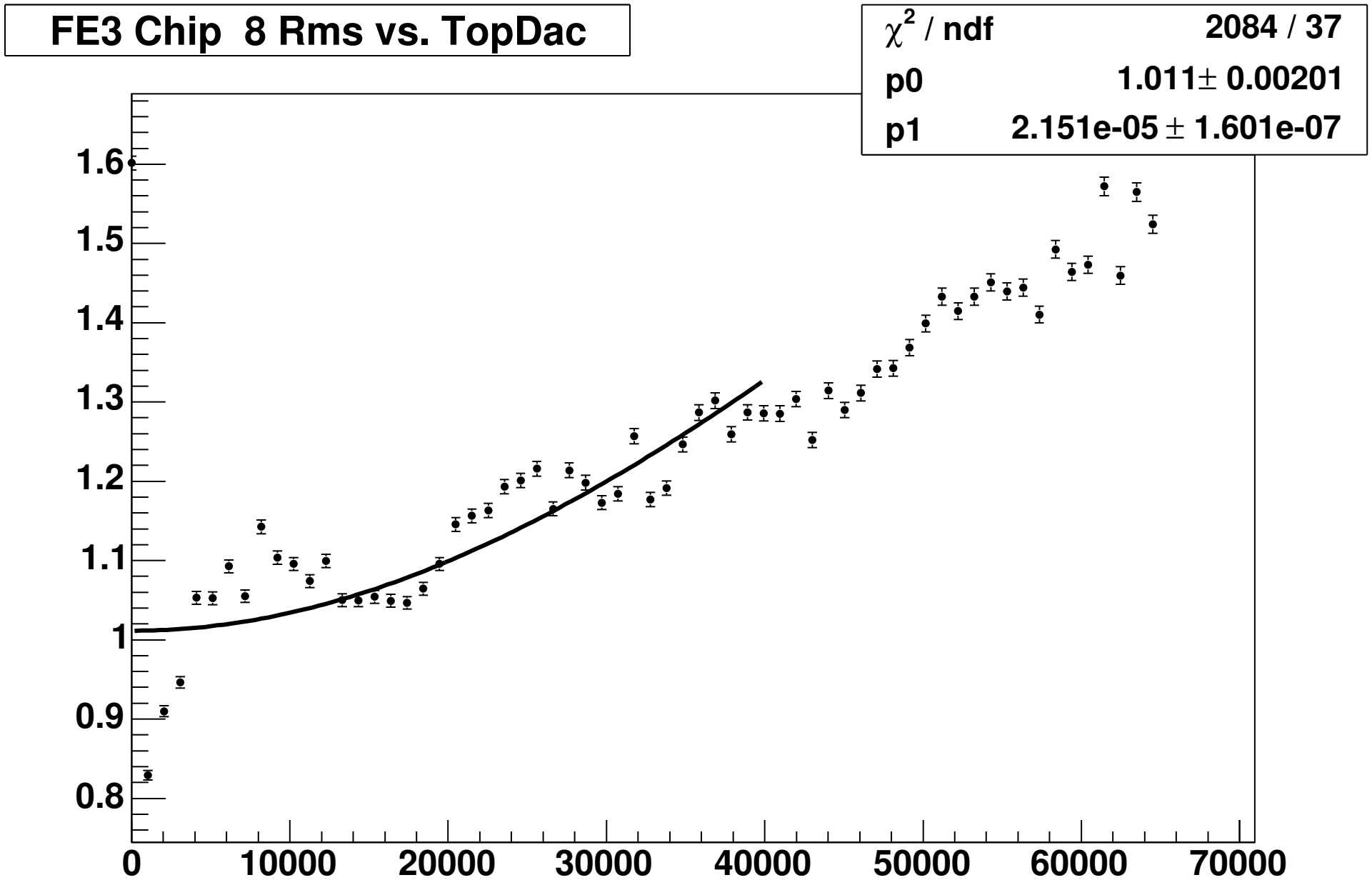

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.107e+05 / 37
p0 29.19 ± 0.003764
p1 0.2304 ± 1.699e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

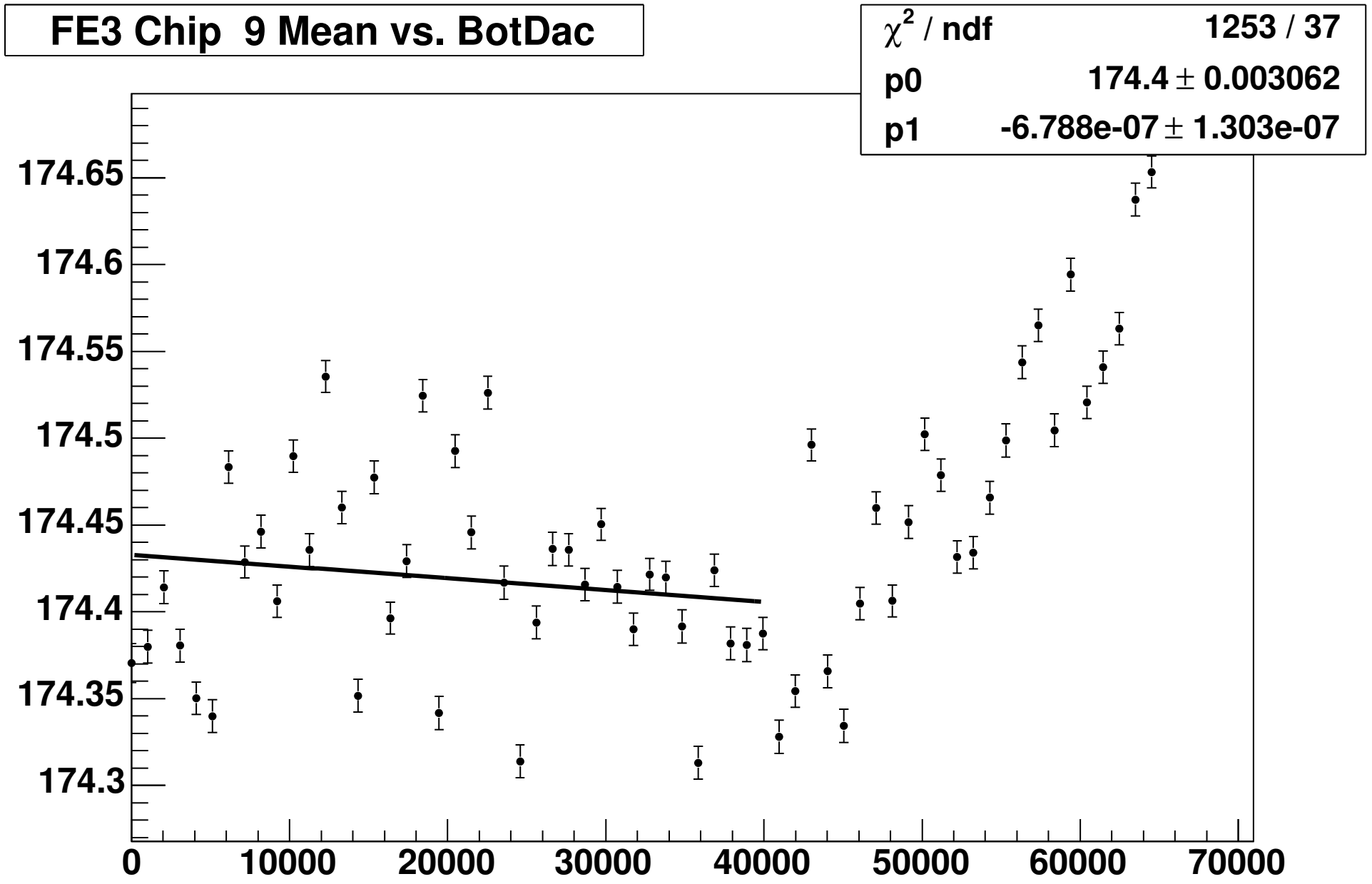

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 677.3 / 37
p0 1.054 ± 0.002061
p1 1.921e-05 ± 1.825e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

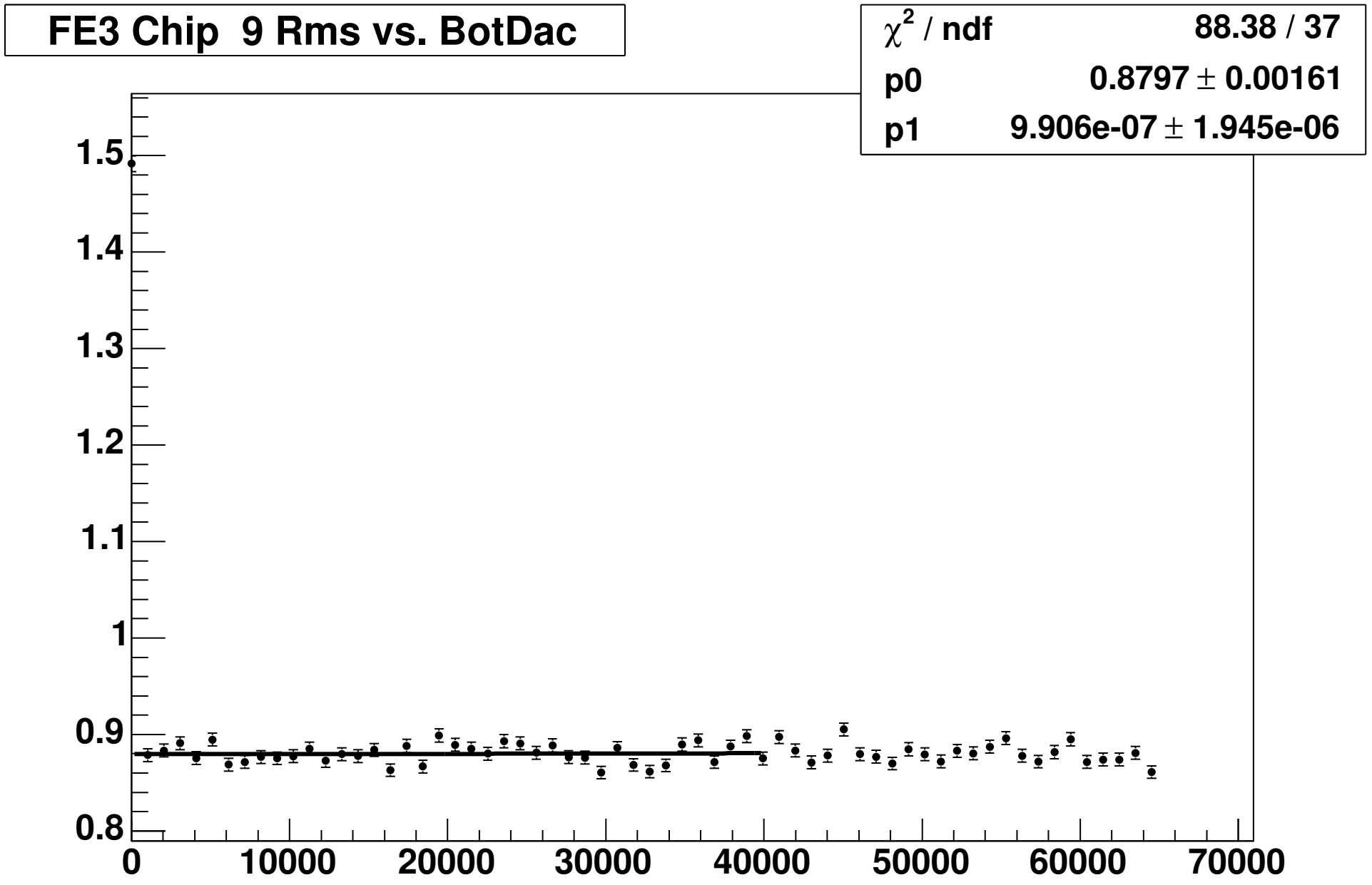

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 1421 / 37
p0 171 ± 0.003162
p1 -5.44e-07 ± 1.345e-07
171.25
171.2
171.15
171.1
171.05
171
170.95
170.9
170.85
170.8
0
10000
20000
30000
40000
50000
60000
70000

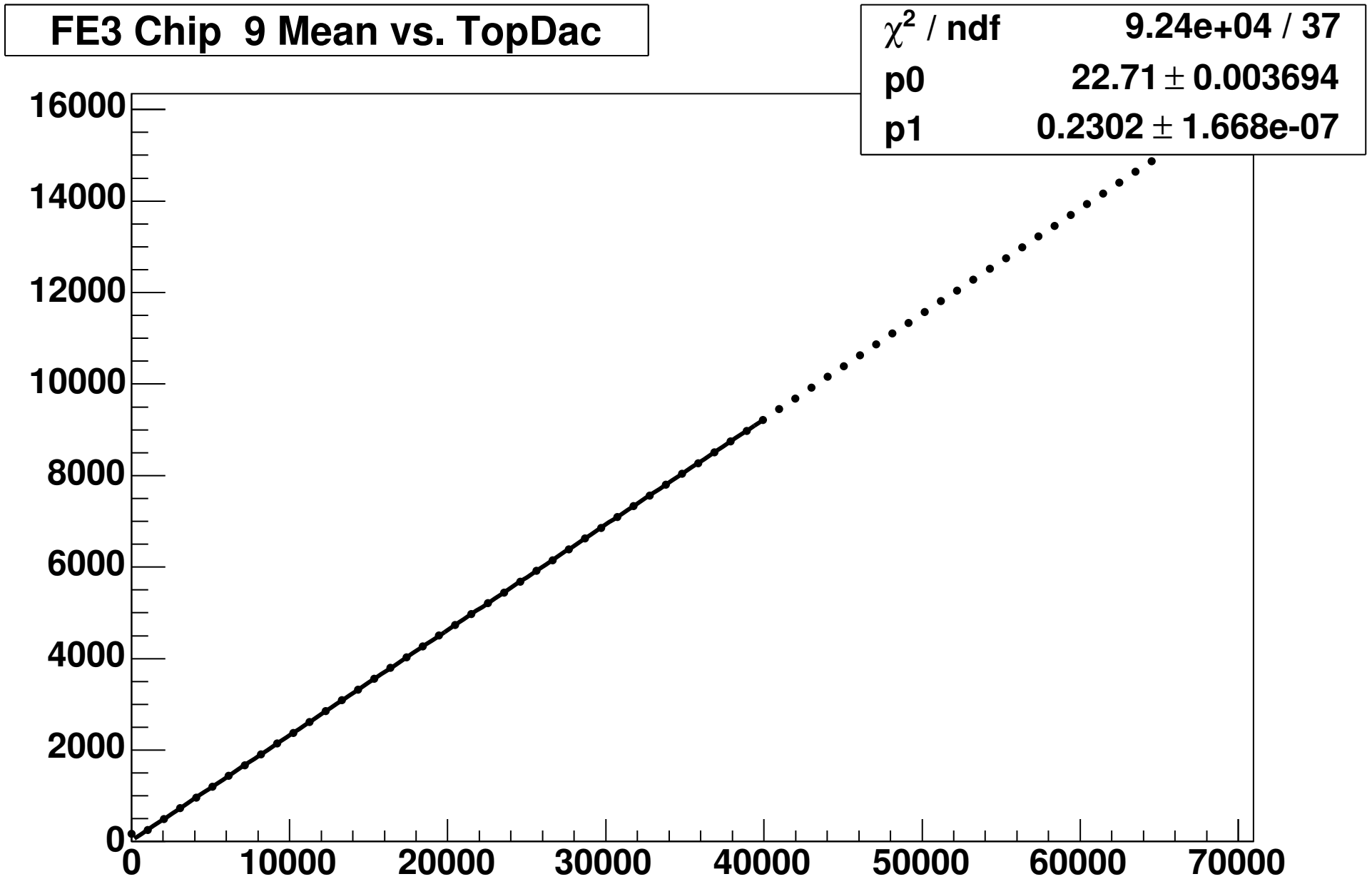

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 61.43 / 37
p0 0.9093 ± 0.001101
p1 1.578e-13 ± 1.947e-06
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

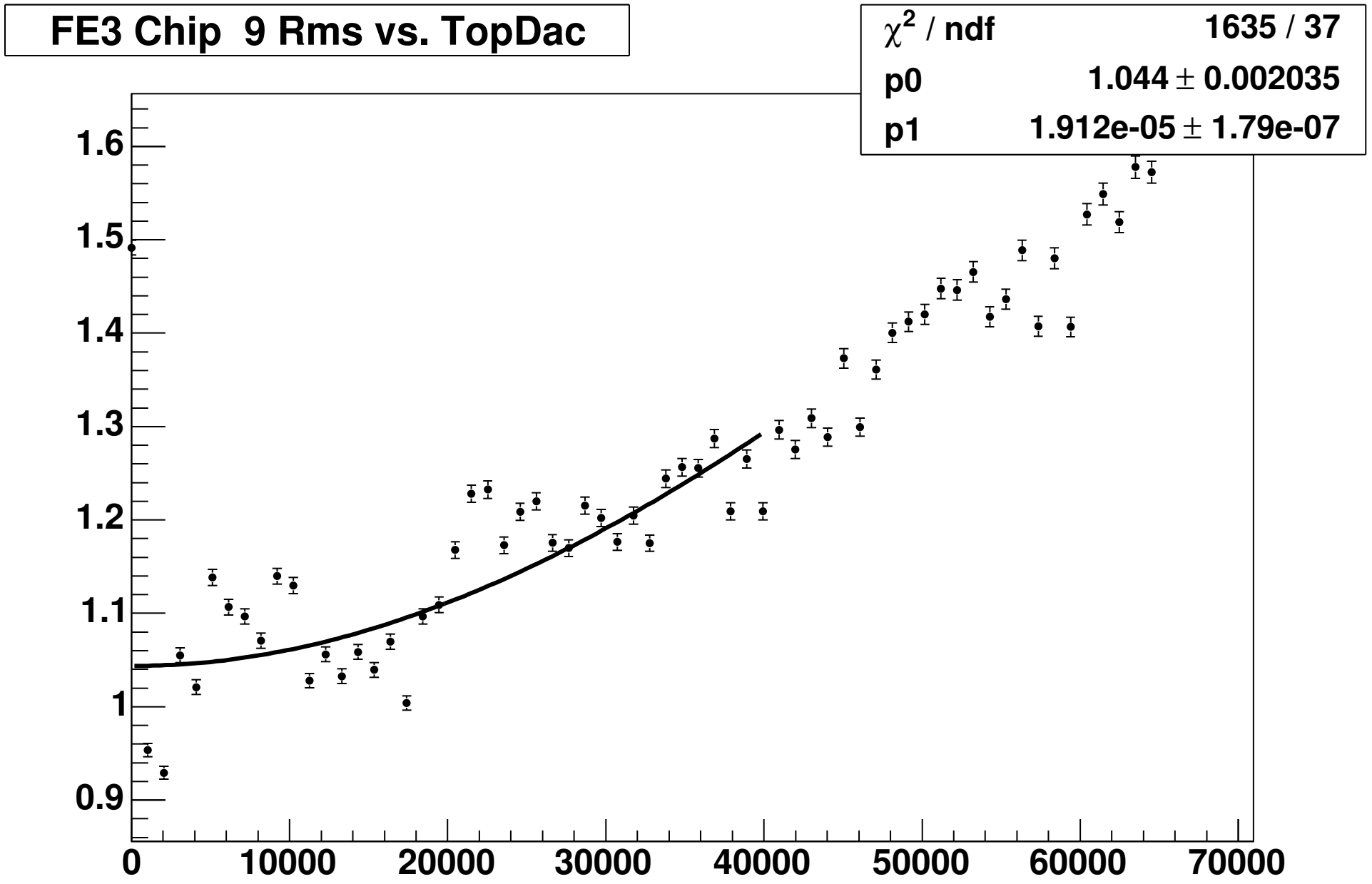

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 4.76e+04 / 37
p0 19.06 ± 0.003583
p1 0.2302 ± 1.643e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

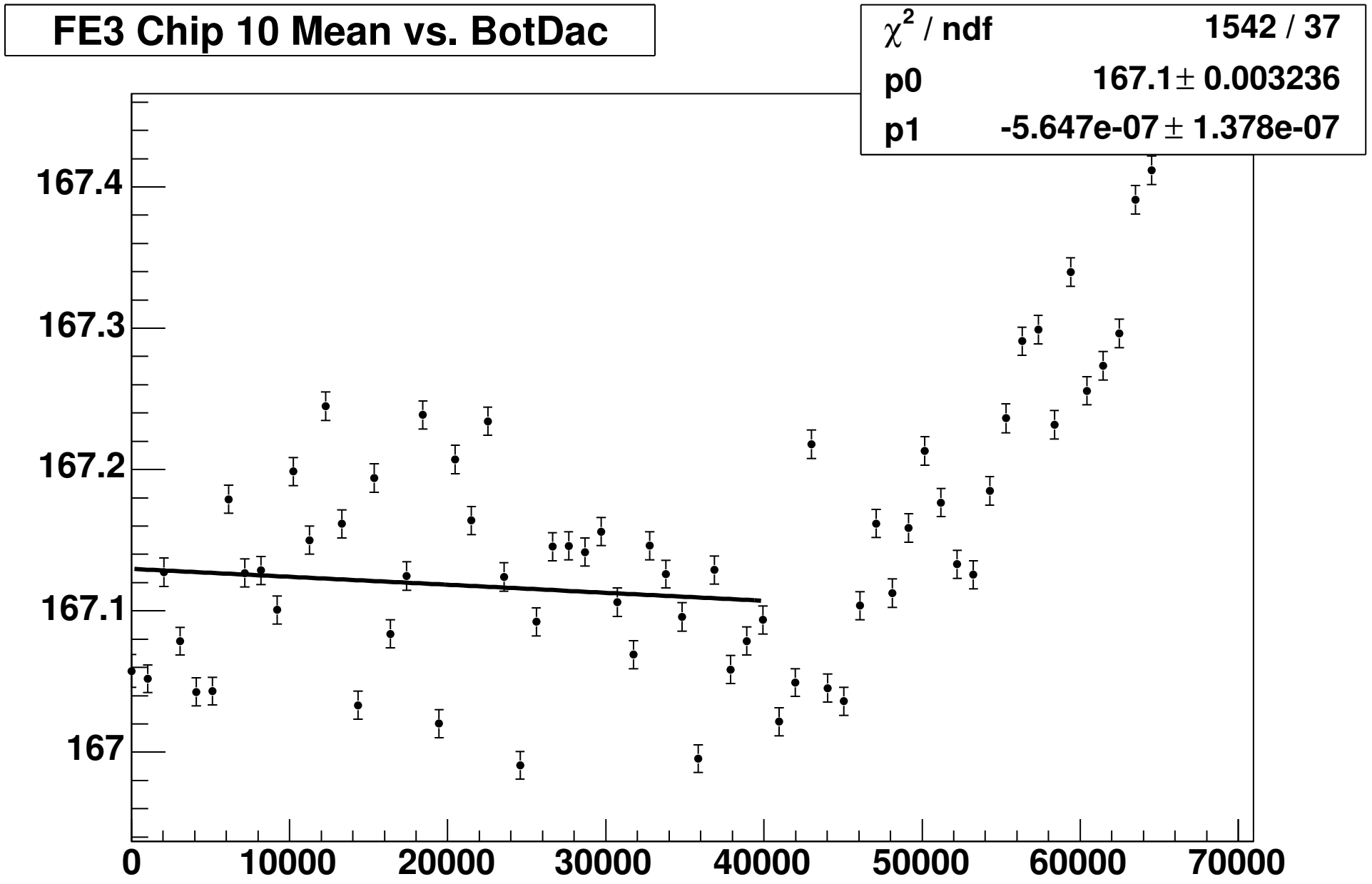

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 2084 / 37
p0 1.011 ± 0.00201
p1 2.151e-05 ± 1.601e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
30000
40000
50000
60000
70000

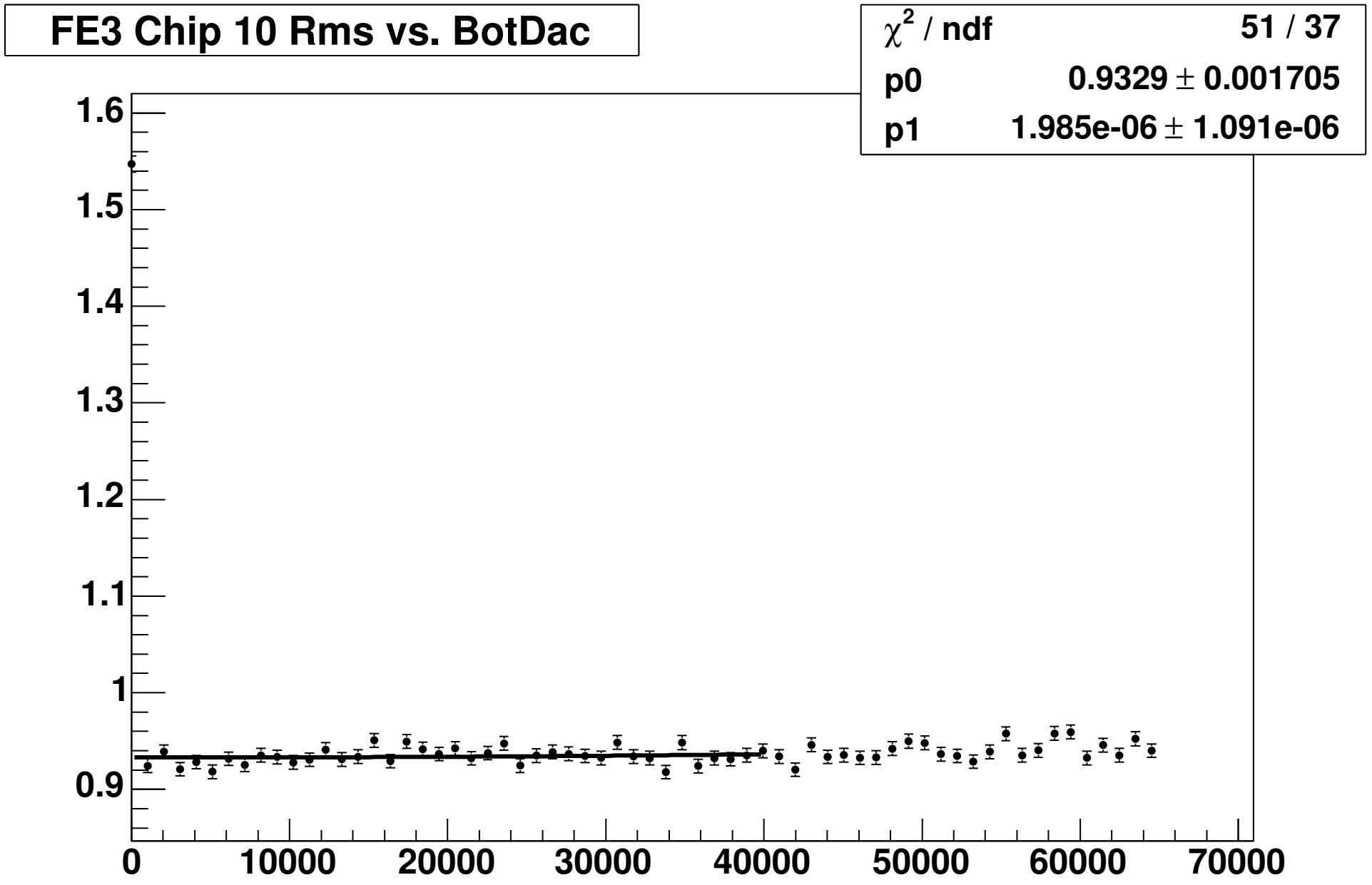

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 1253 / 37
p0 174.4 ± 0.003062
p1 -6.788e-07 ± 1.303e-07
174.65
174.6
174.55
174.5
174.45
174.4
174.35
174.3
0
10000
20000
30000
40000
50000
60000
70000

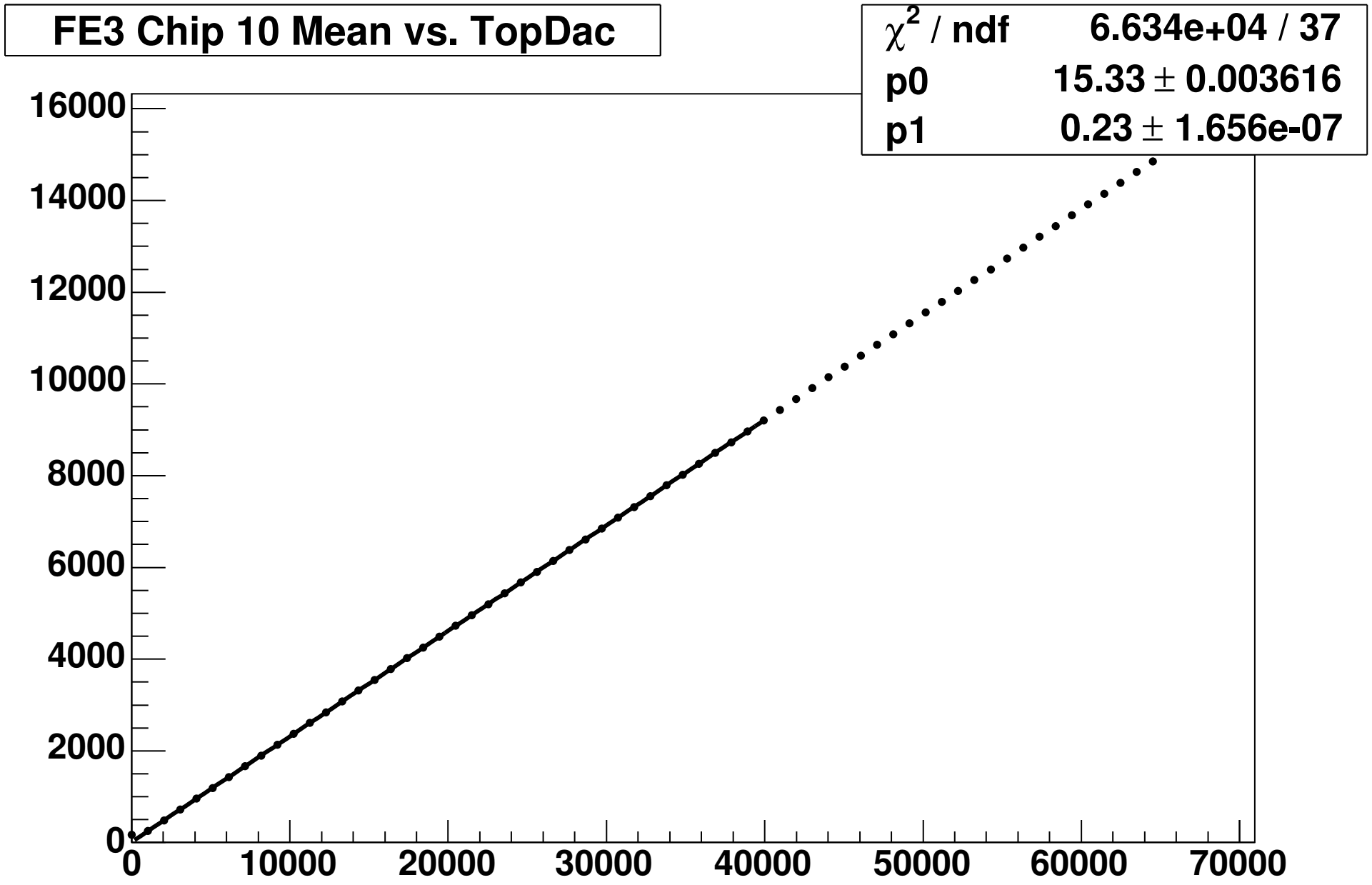

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 88.38 / 37
p0 0.8797 ± 0.00161
p1 9.906e-07 ± 1.945e-06
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
30000
40000
50000
60000
70000

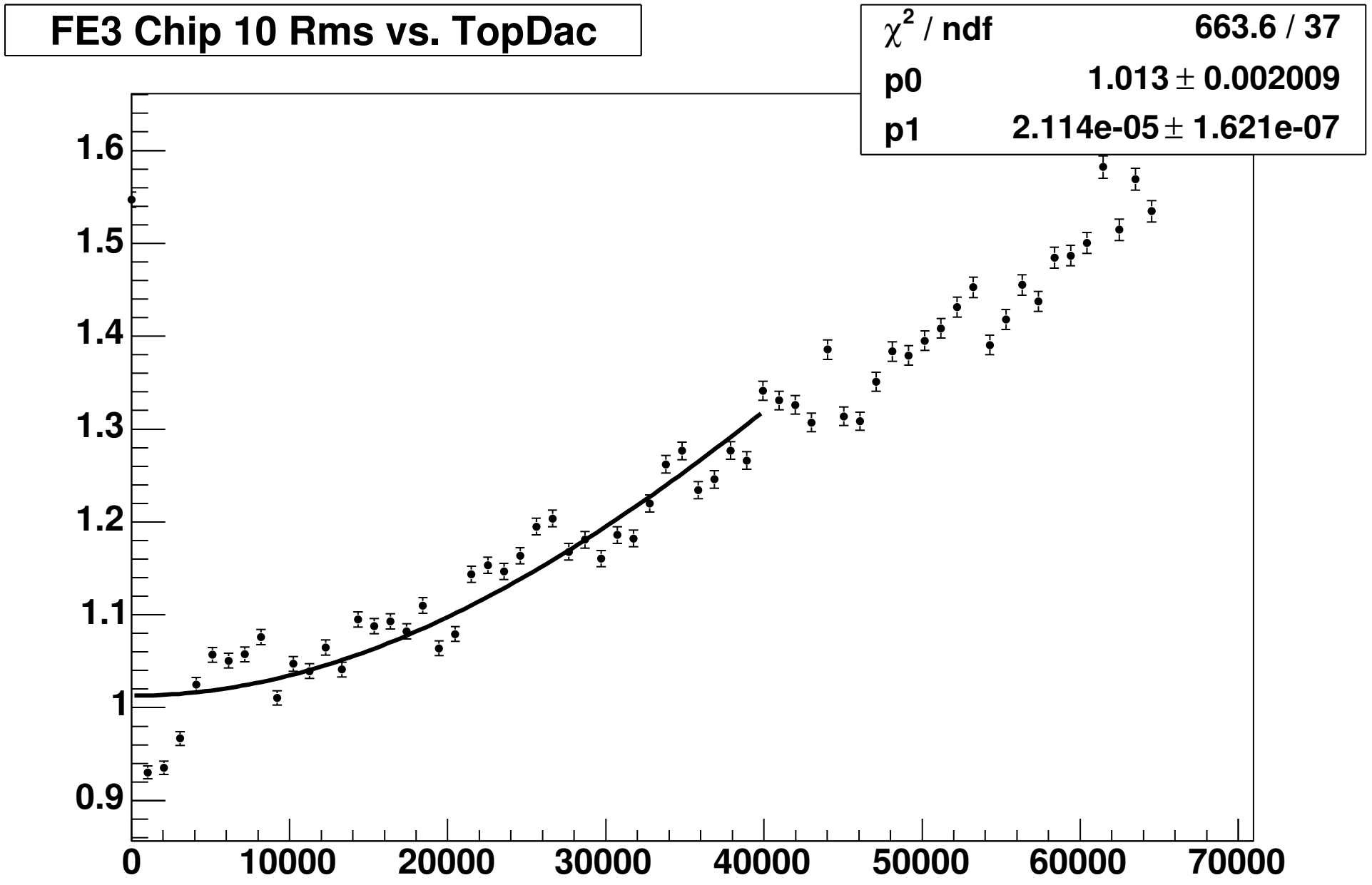

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 9.24e+04 / 37
p0 22.71 ± 0.003694
p1 0.2302 ± 1.668e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

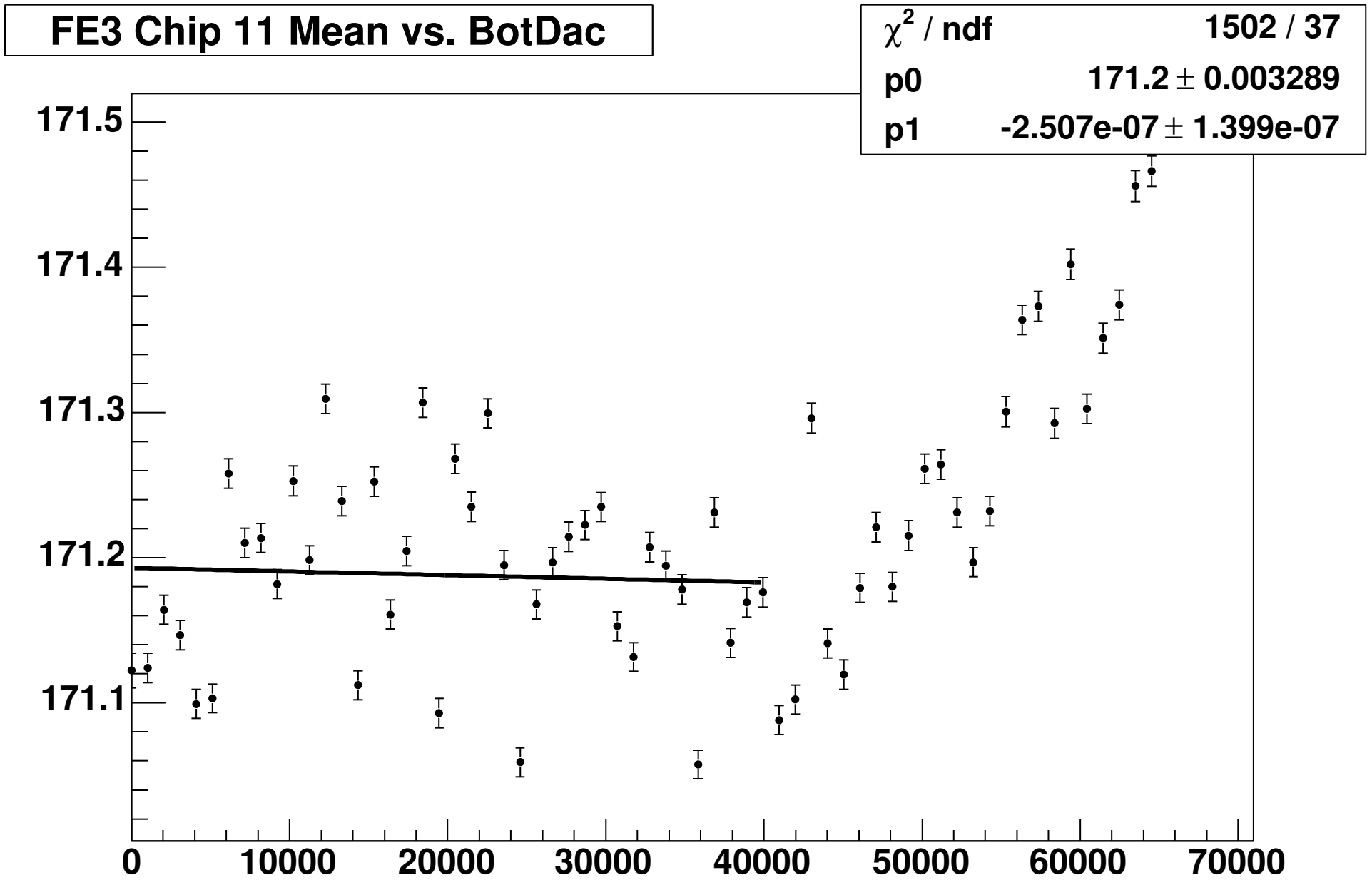

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 1635 / 37
p0 1.044 ± 0.002035
p1 1.912e-05 ± 1.79e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

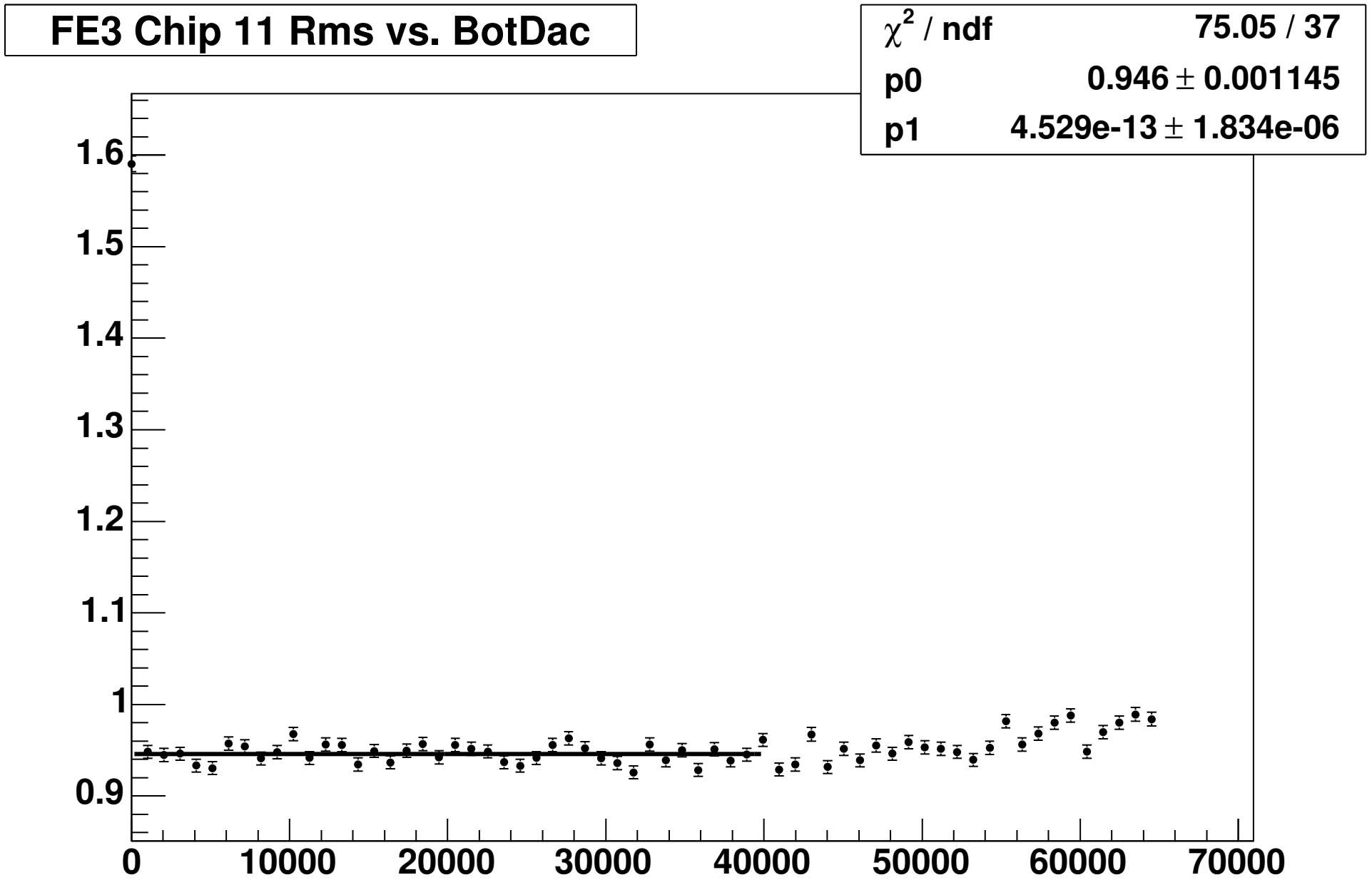

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 1542 / 37
p0 167.1 ± 0.003236
p1 -5.647e-07 ± 1.378e-07
167.4
167.3
167.2
167.1
167
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 51 / 37
p0 0.9329 ± 0.001705
p1 1.985e-06 ± 1.091e-06
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 6.634e+04 / 37
p0 15.33 ± 0.003616
p1 0.23 ± 1.656e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 663.6 / 37
p0 1.013 ± 0.002009
p1 2.114e-05 ± 1.621e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 1502 / 37
p0 171.2 ± 0.003289
p1 -2.507e-07 ± 1.399e-07
171.5
171.4
171.3
171.2
171.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 75.05 / 37
p0 0.946 ± 0.001145
p1 4.529e-13 ± 1.834e-06
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
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40000
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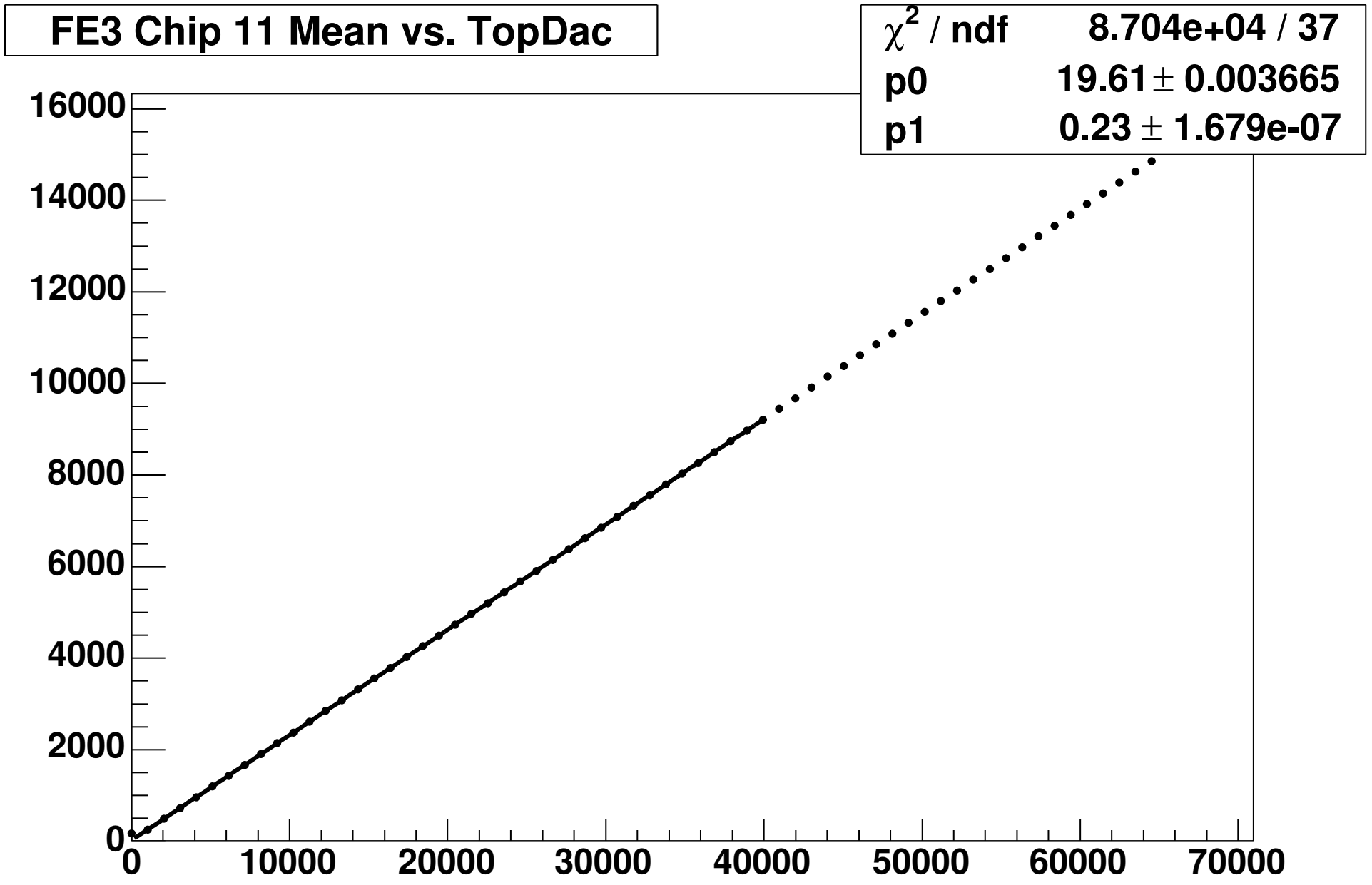
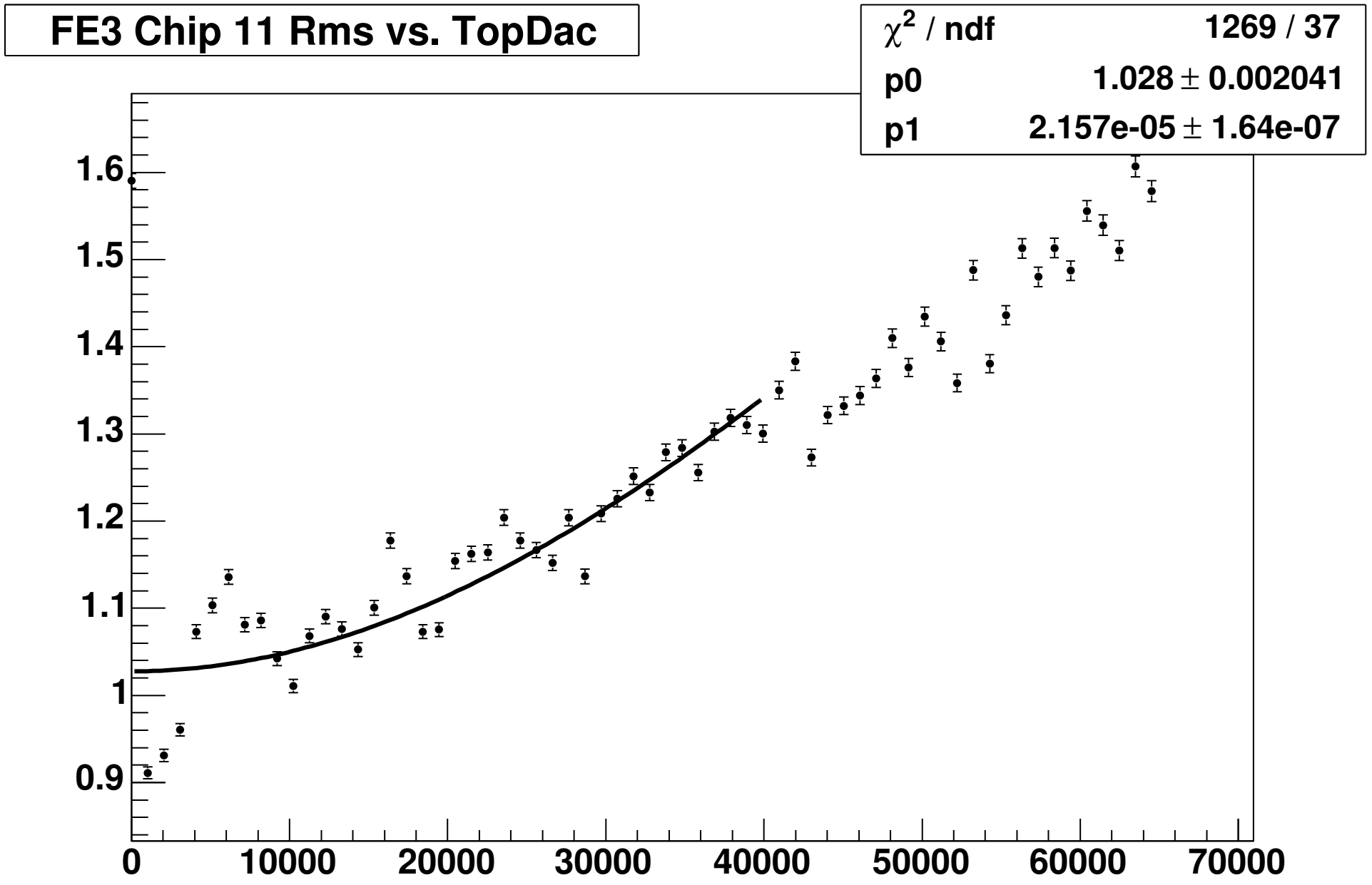

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 8.704e+04 / 37
p0 19.61 ± 0.003665
p1 0.23 ± 1.679e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1269 / 37
p0 1.028 ± 0.002041
p1 2.157e-05 ± 1.64e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
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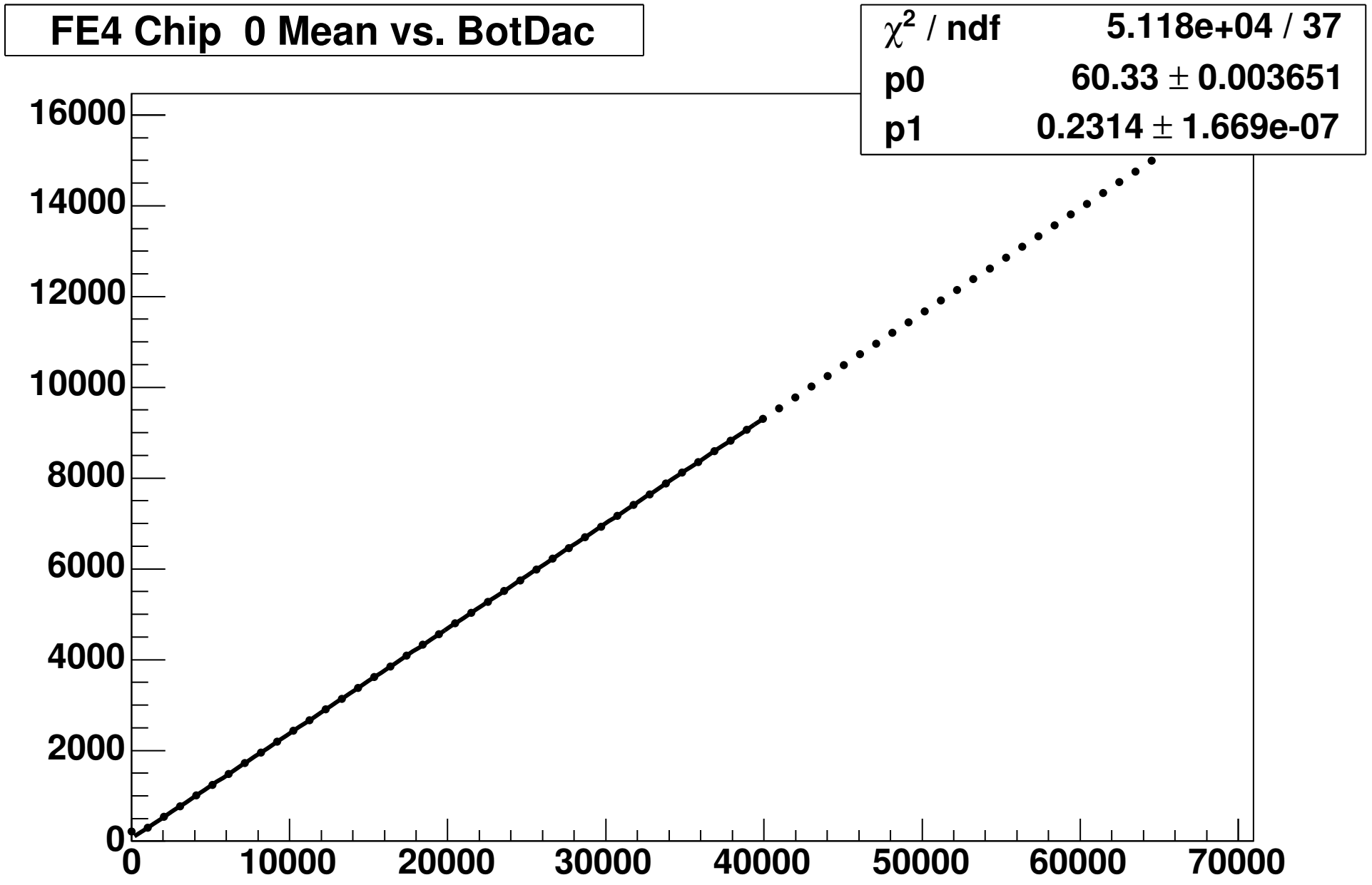
FE4 Chip 0 Mean vs. BotDac
χ² / ndf 5.118e+04 / 37
p0 60.33 ± 0.003651
p1 0.2314 ± 1.669e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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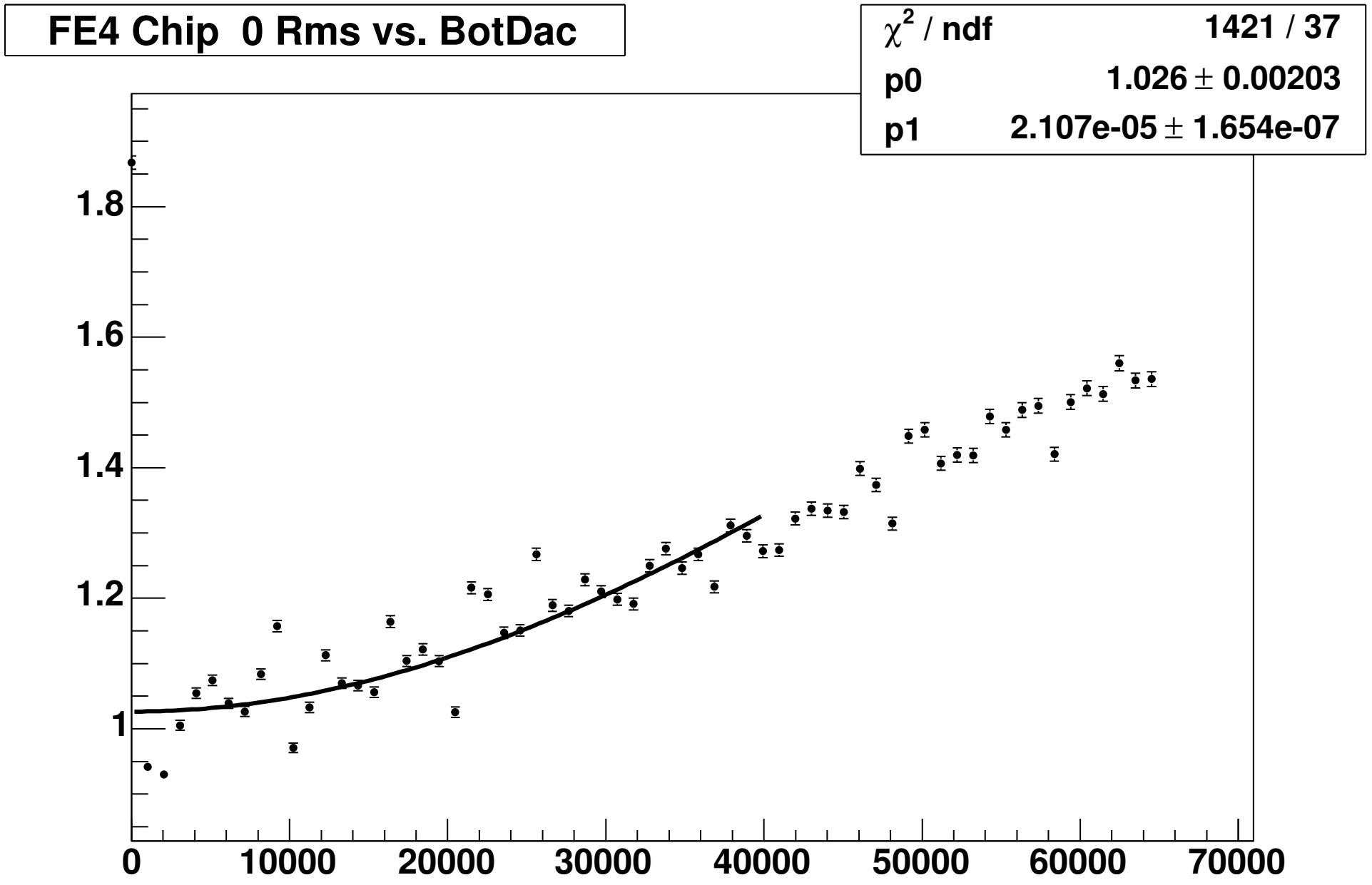
FE4 Chip 0 Rms vs. BotDac
χ² / ndf 1421 / 37
p0 1.026 ± 0.00203
p1 2.107e-05 ± 1.654e-07
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1.6
1.4
1.2
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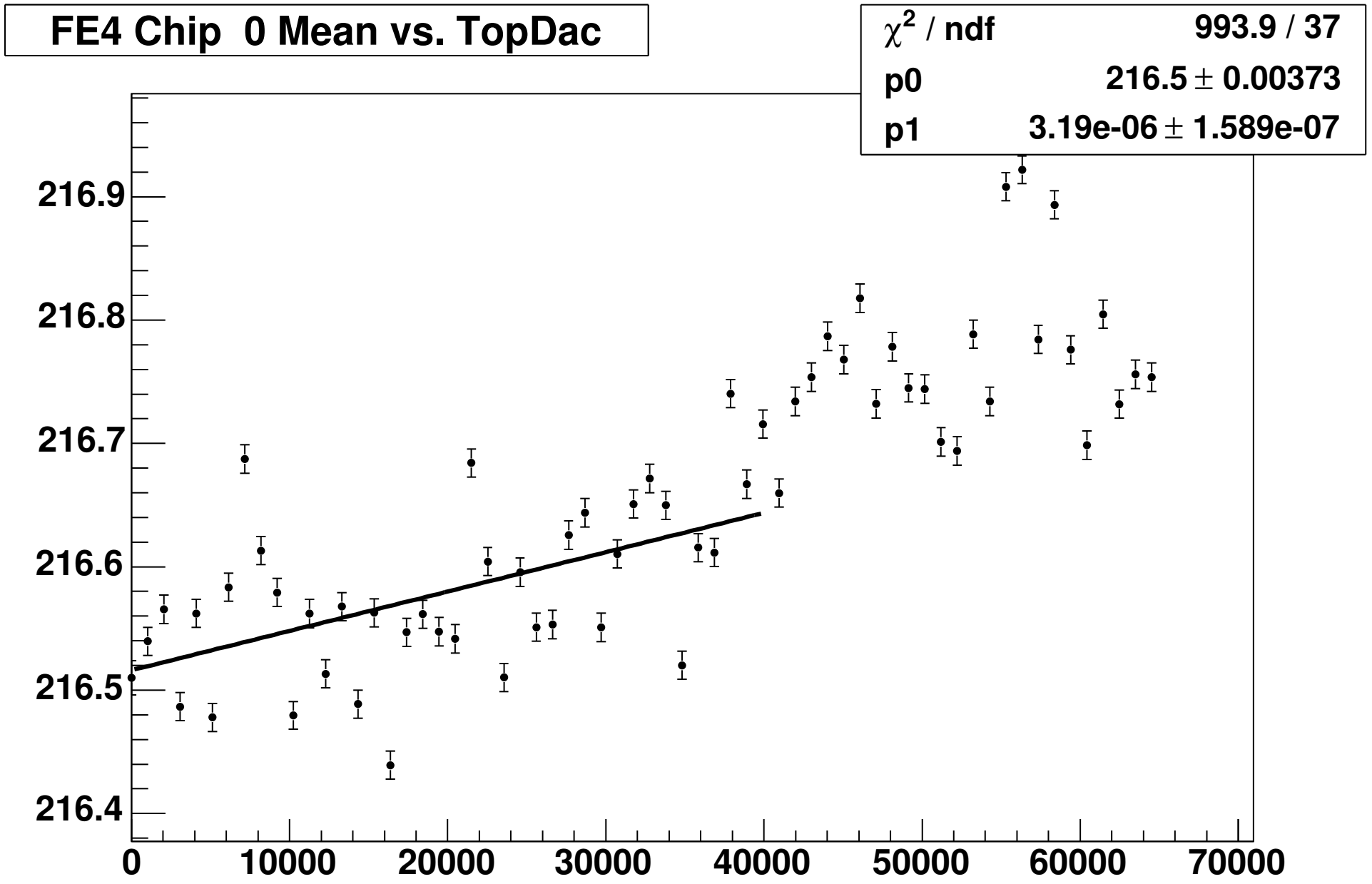
FE4 Chip 0 Mean vs. TopDac
χ^2 / ndf 993.9 / 37
p0 216.5 ± 0.00373
p1 3.19e-06 ± 1.589e-07
216.9
216.8
216.7
216.6
216.5
216.4
0
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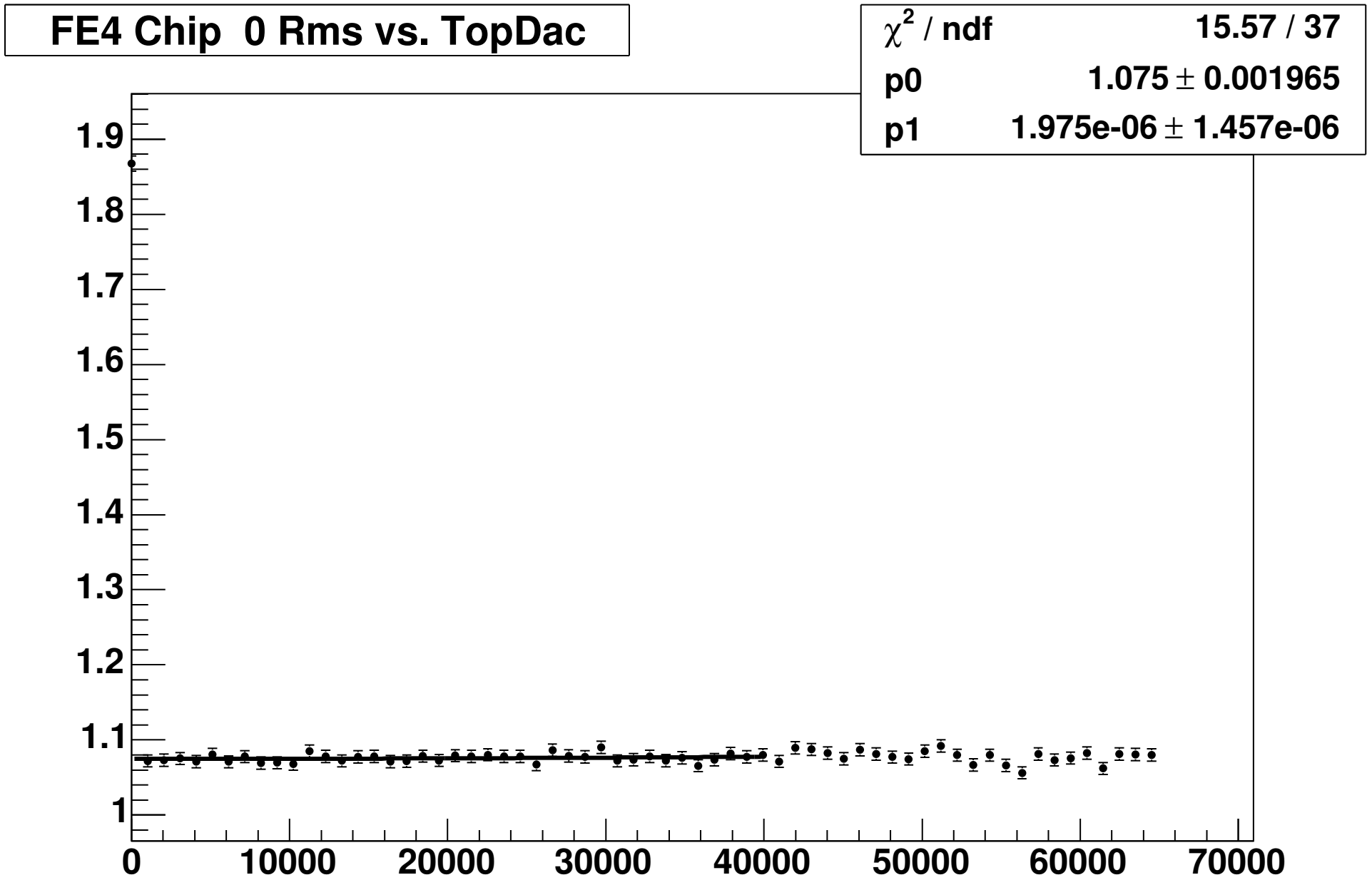
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 15.57 / 37
p0 1.075 ± 0.001965
p1 1.975e-06 ± 1.457e-06
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
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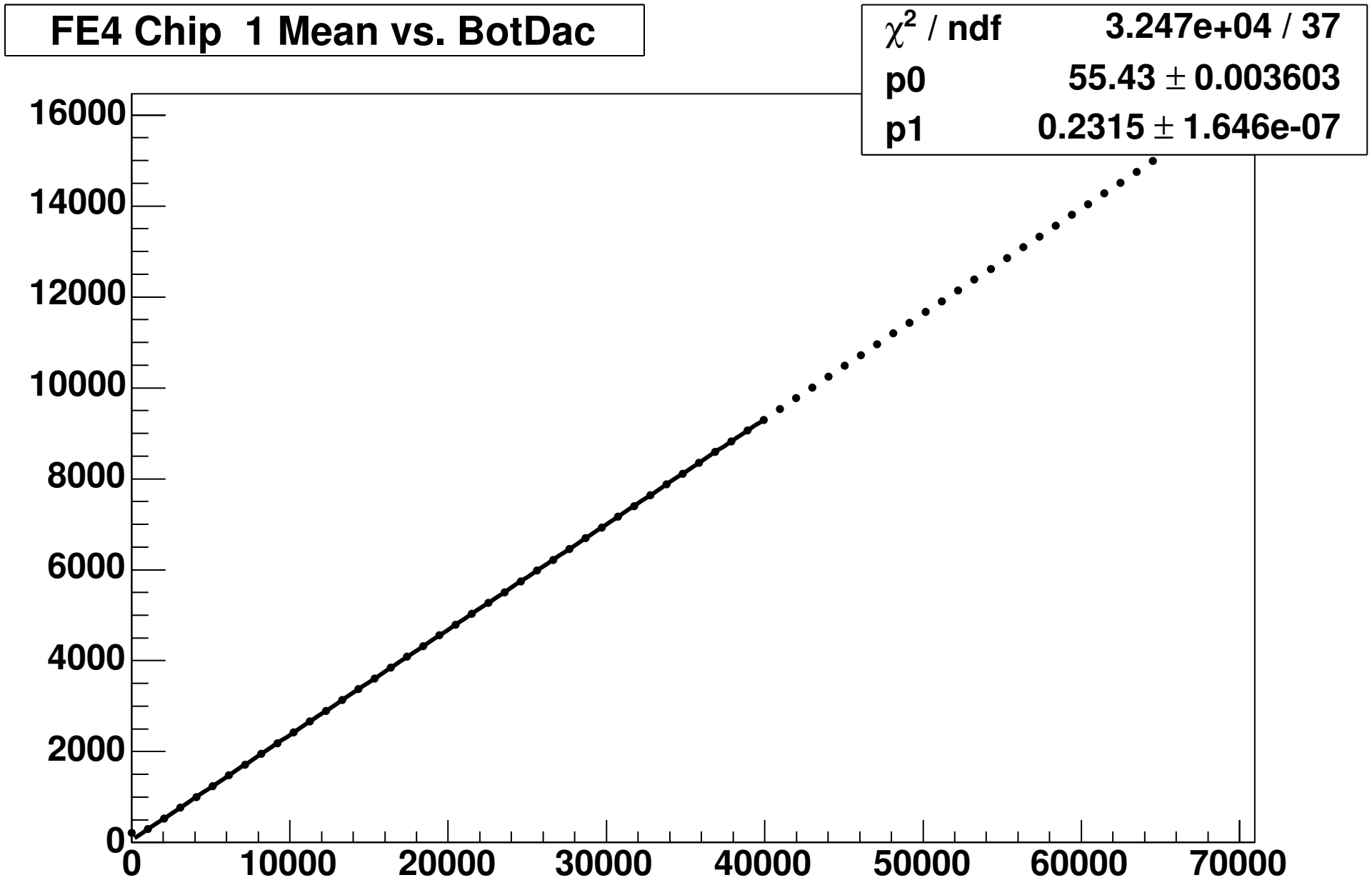
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 3.247e+04 / 37
p0 55.43 ± 0.003603
p1 0.2315 ± 1.646e-07
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14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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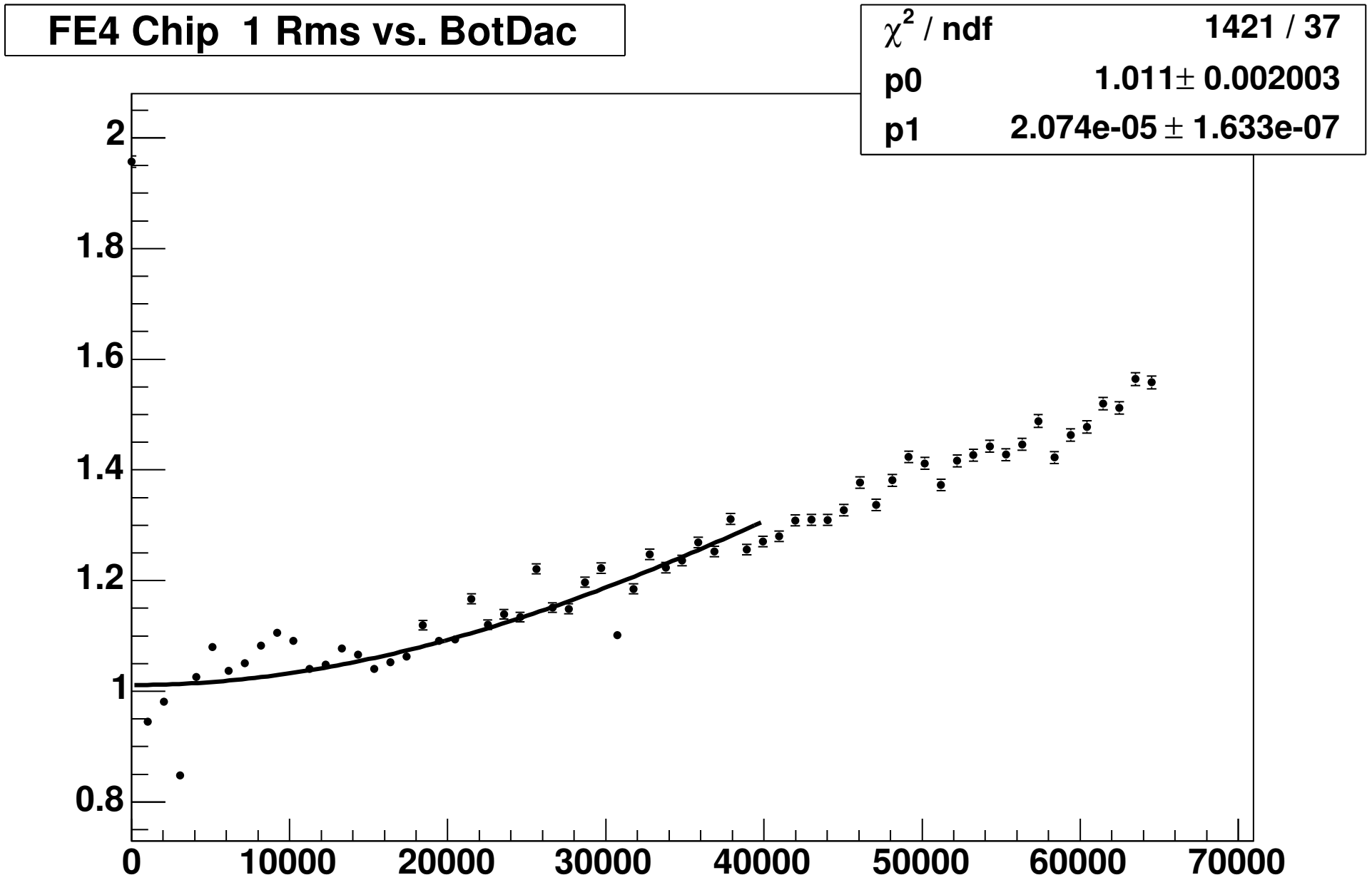
FE4 Chip 1 Rms vs. BotDac
χ² / ndf 1421 / 37
p0 1.011 ± 0.002003
p1 2.074e-05 ± 1.633e-07
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1.8
1.6
1.4
1.2
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0.8
0
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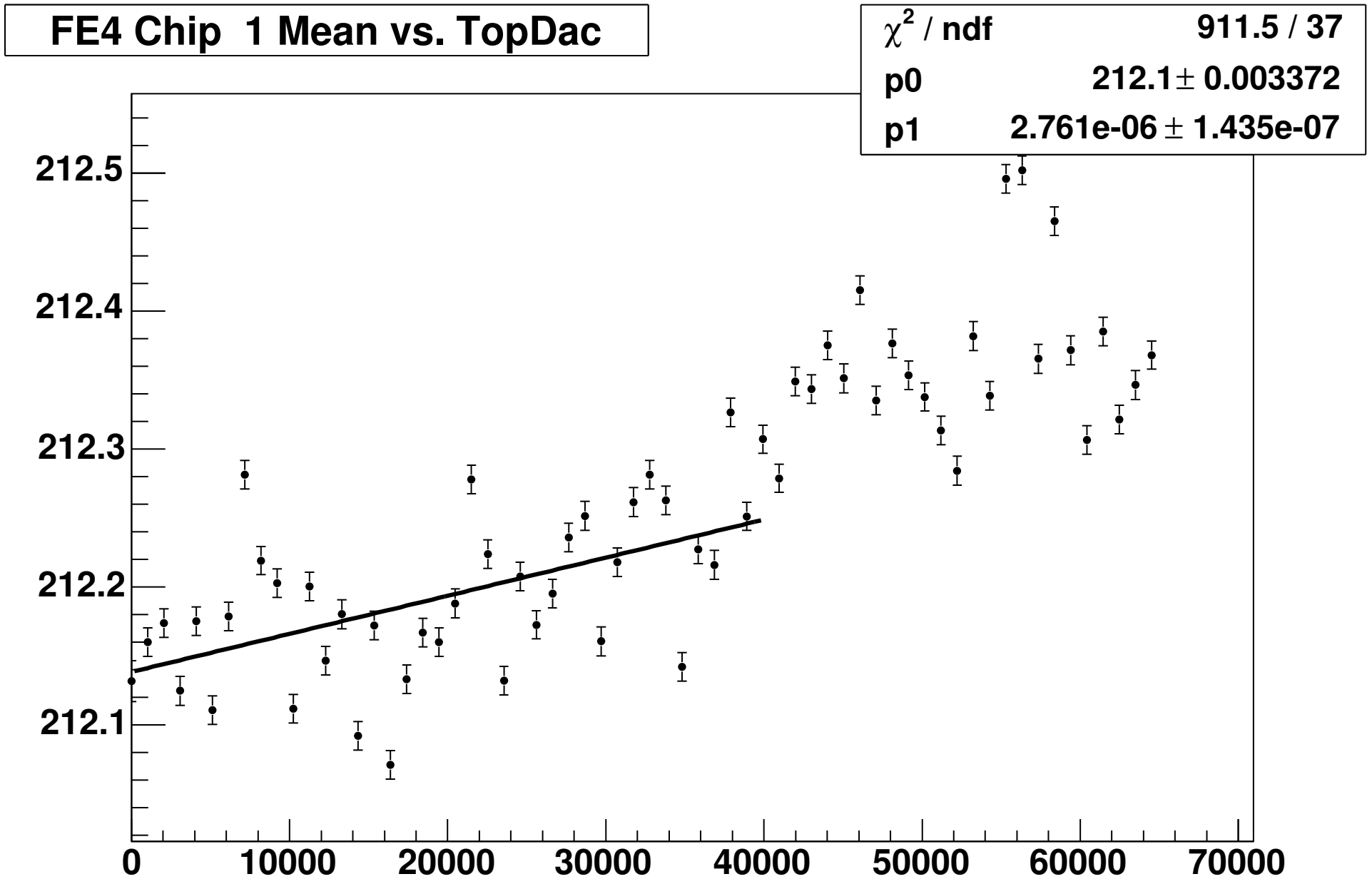
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 911.5 / 37
p0 212.1 ± 0.003372
p1 2.761e-06 ± 1.435e-07
212.5
212.4
212.3
212.2
212.1
0
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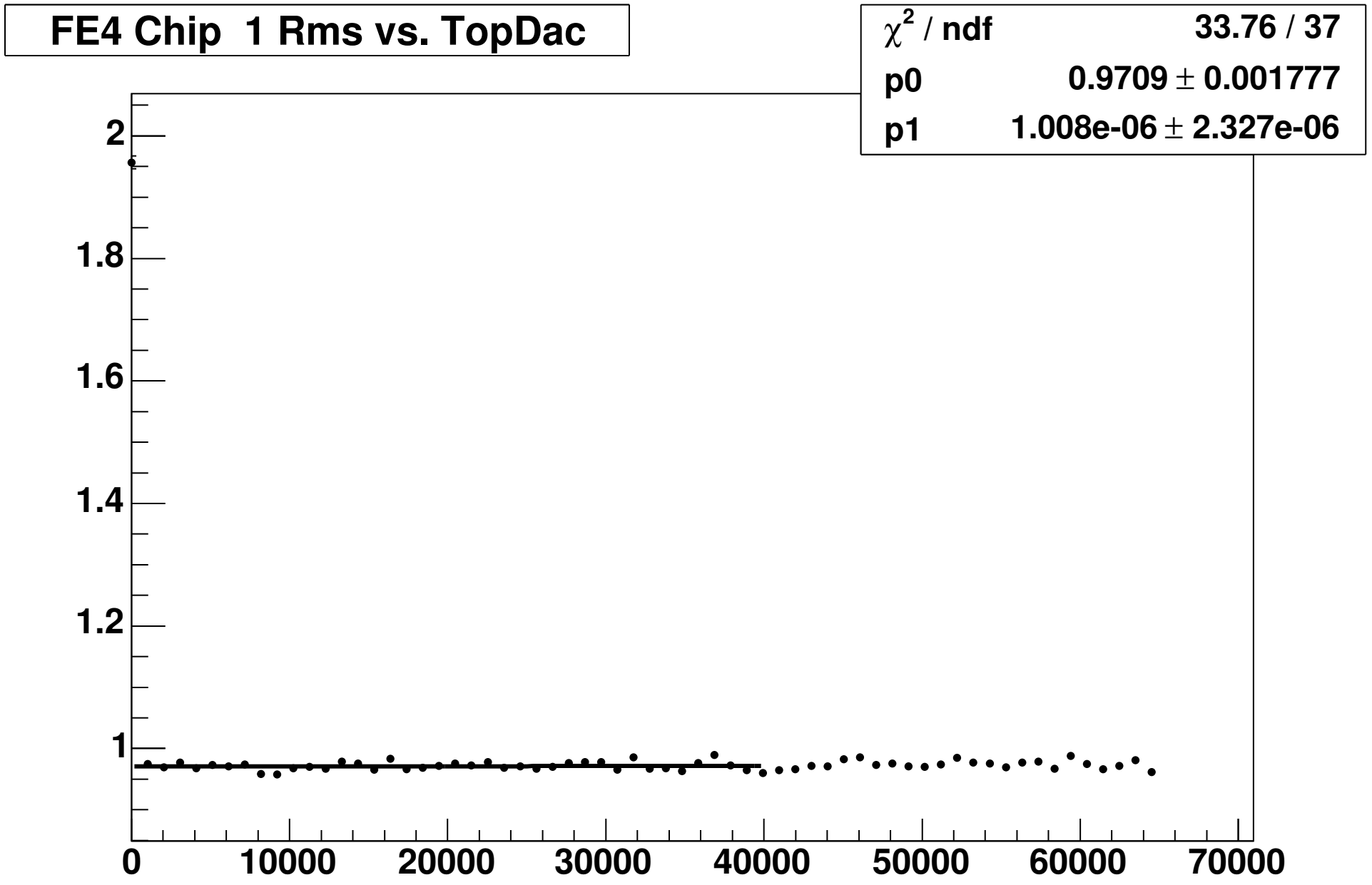
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 33.76 / 37
p0 0.9709 ± 0.001777
p1 1.008e-06 ± 2.327e-06
2
1.8
1.6
1.4
1.2
1
0
10000
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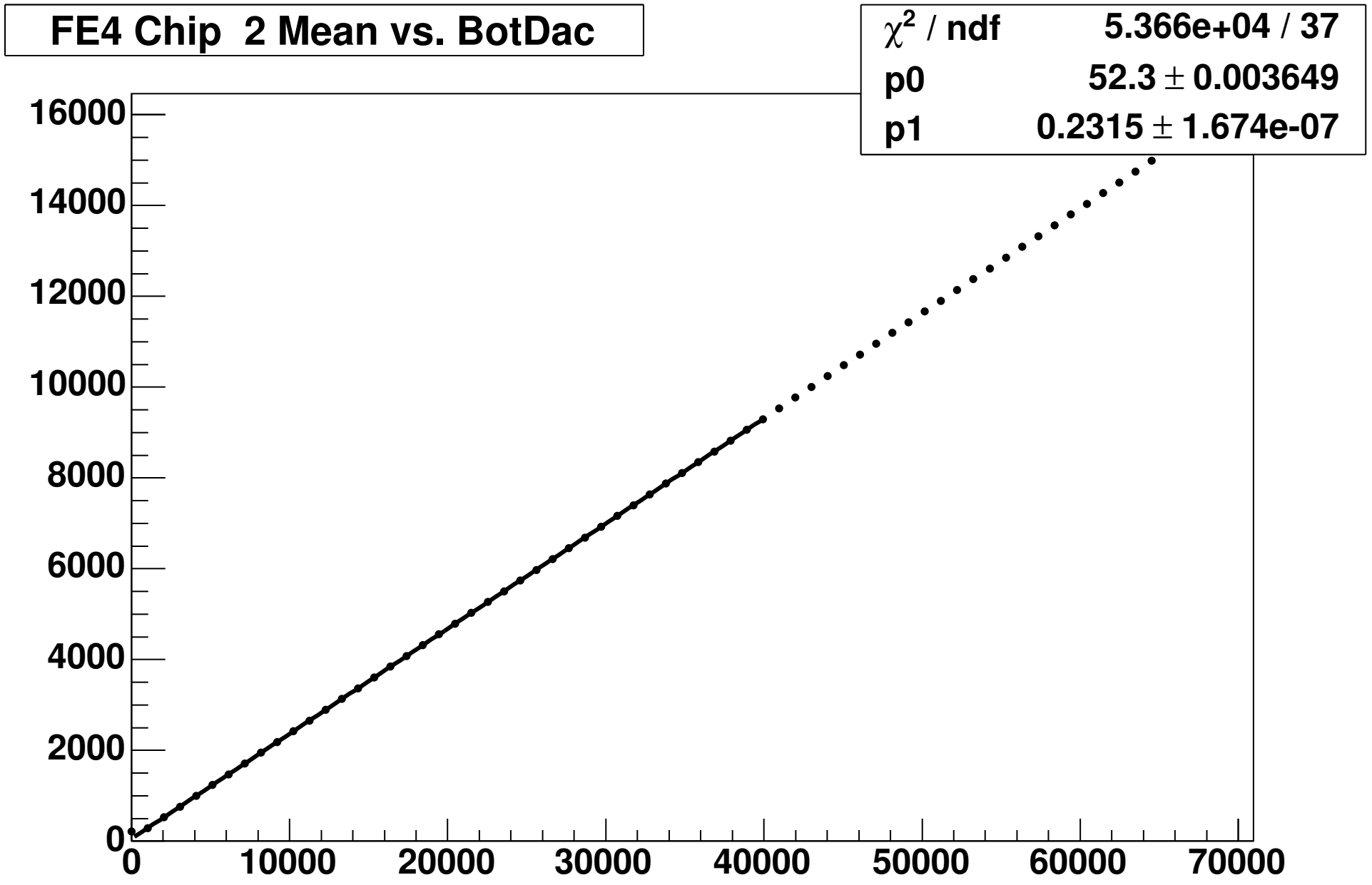
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 5.366e+04 / 37
p0 52.3 ± 0.003649
p1 0.2315 ± 1.674e-07
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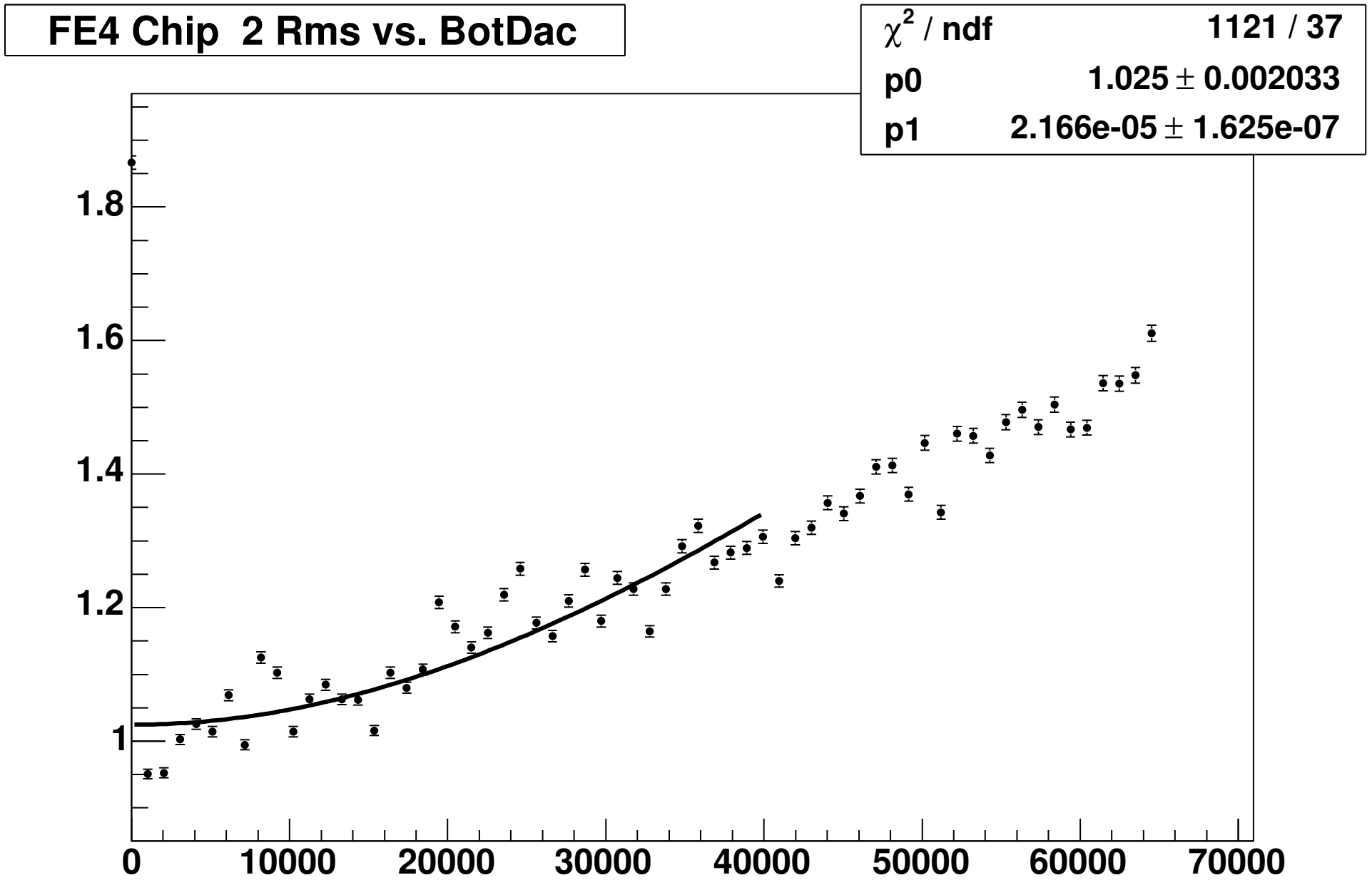
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1121 / 37
p0 1.025 ± 0.002033
p1 2.166e-05 ± 1.625e-07
1.8
1.6
1.4
1.2
1
0
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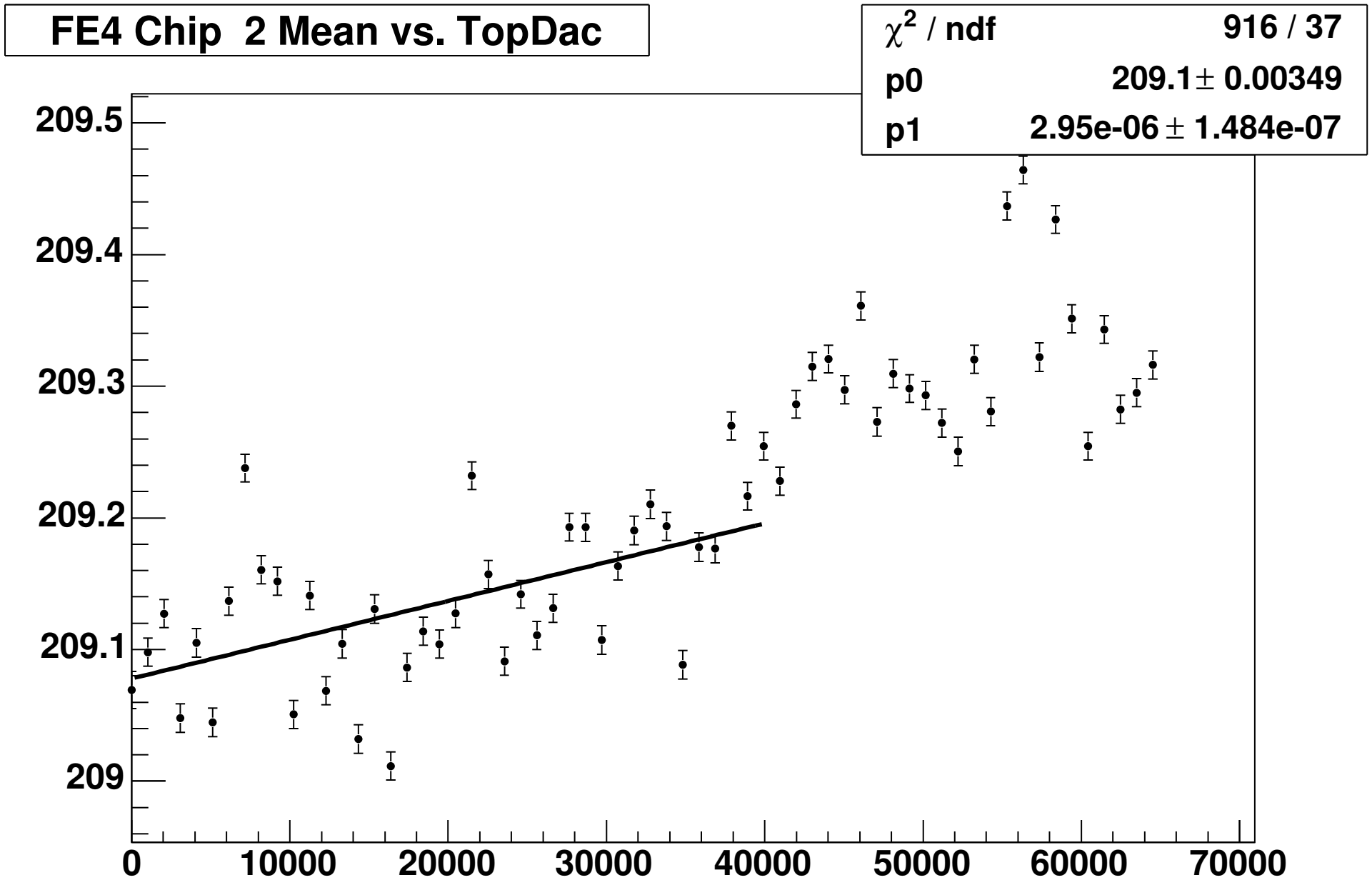
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 916 / 37
p0 209.1 ± 0.00349
p1 2.95e-06 ± 1.484e-07
209.5
209.4
209.3
209.2
209.1
209
0
10000
20000
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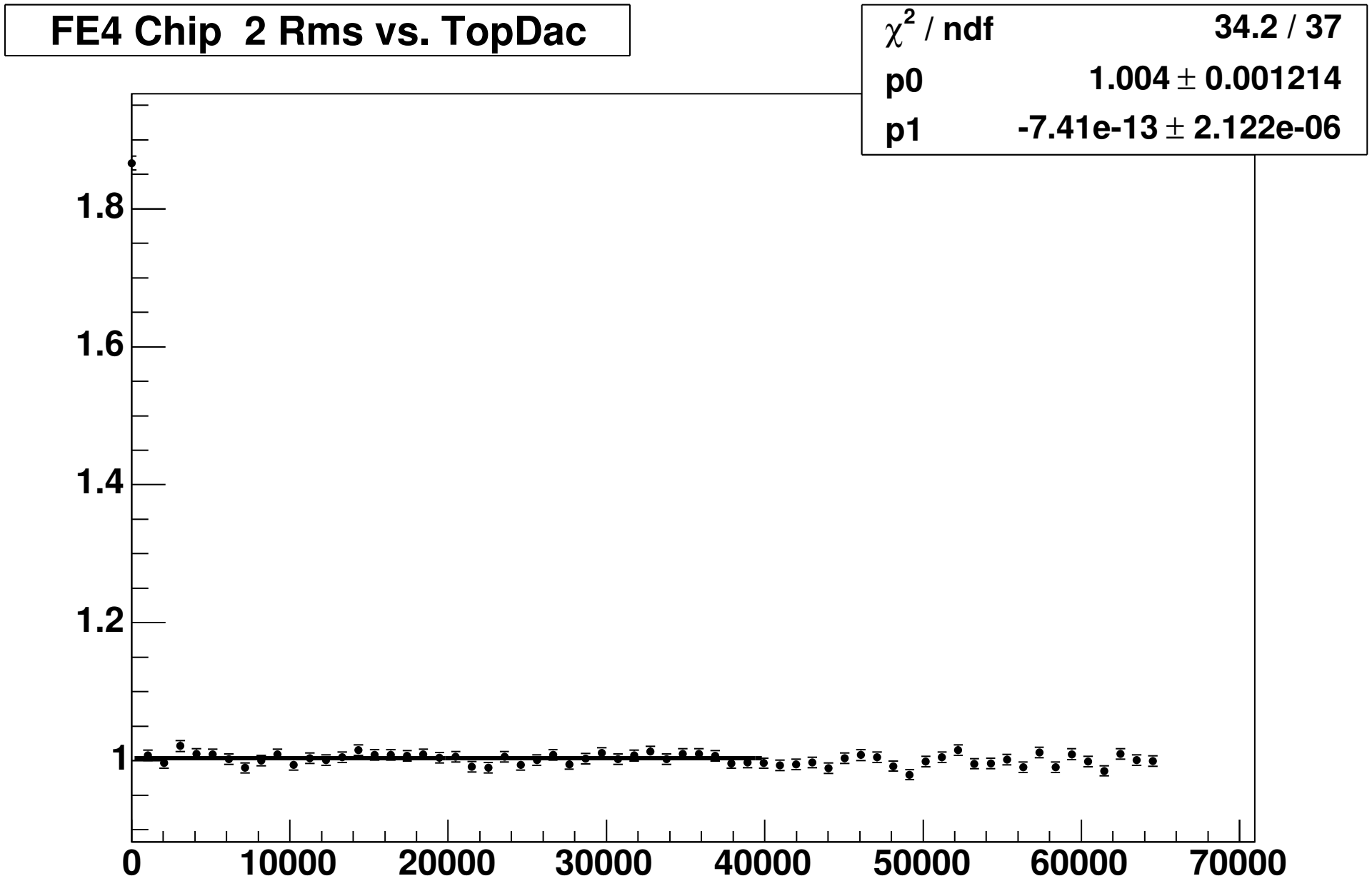
50000
60000
70000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 34.2 / 37
p0 1.004 ± 0.001214
p1 -7.41e-13 ± 2.122e-06
1.8
1.6
1.4
1.2
1
0
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20000
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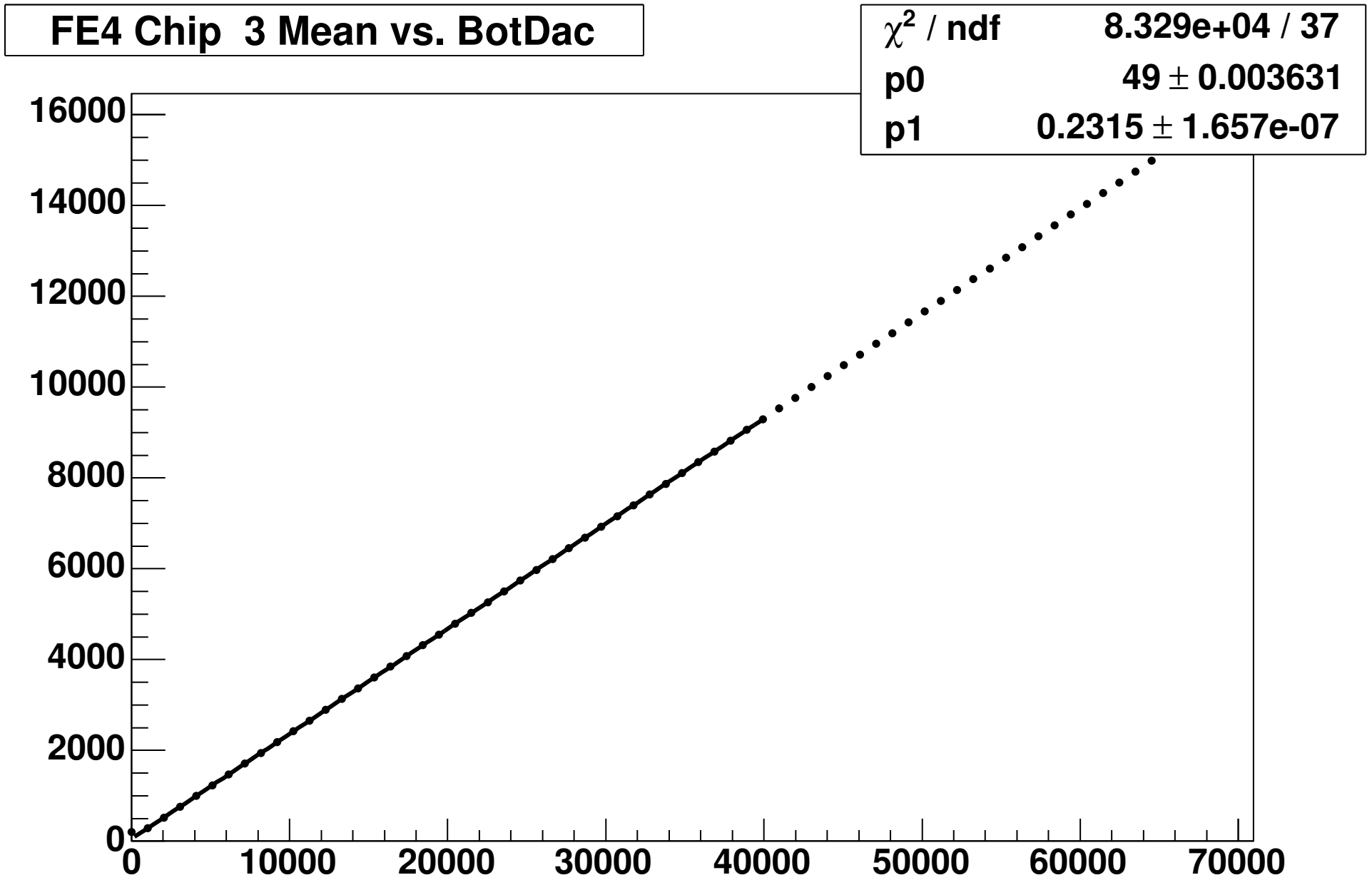
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 8.329e+04 / 37
p0 49 ± 0.003631
p1 0.2315 ± 1.657e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
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60000
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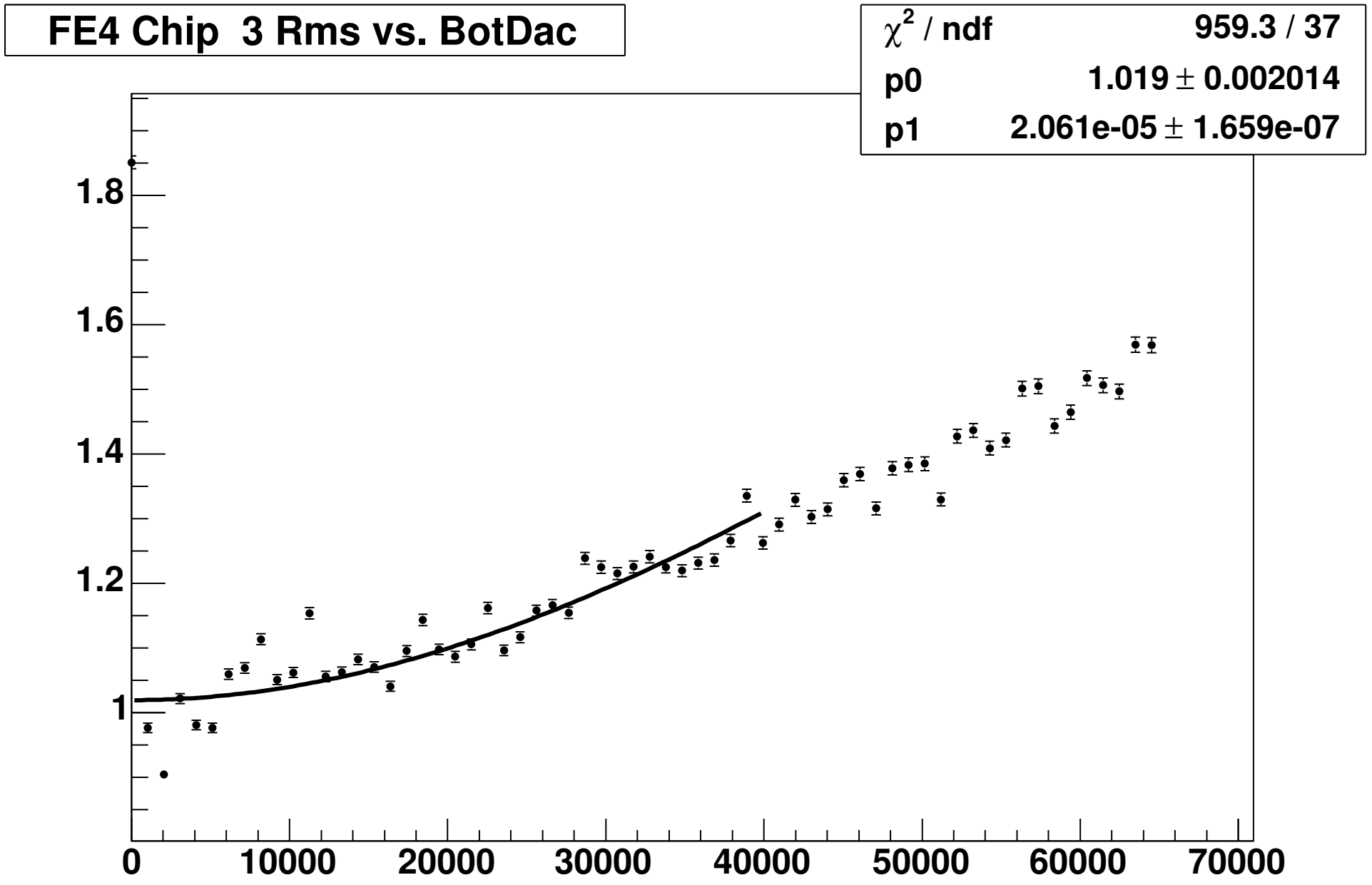
FE4 Chip 3 Rms vs. BotDac
χ² / ndf 959.3 / 37
p0 1.019 ± 0.002014
p1 2.061e-05 ± 1.659e-07
1.8
1.6
1.4
1.2
1
0
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60000
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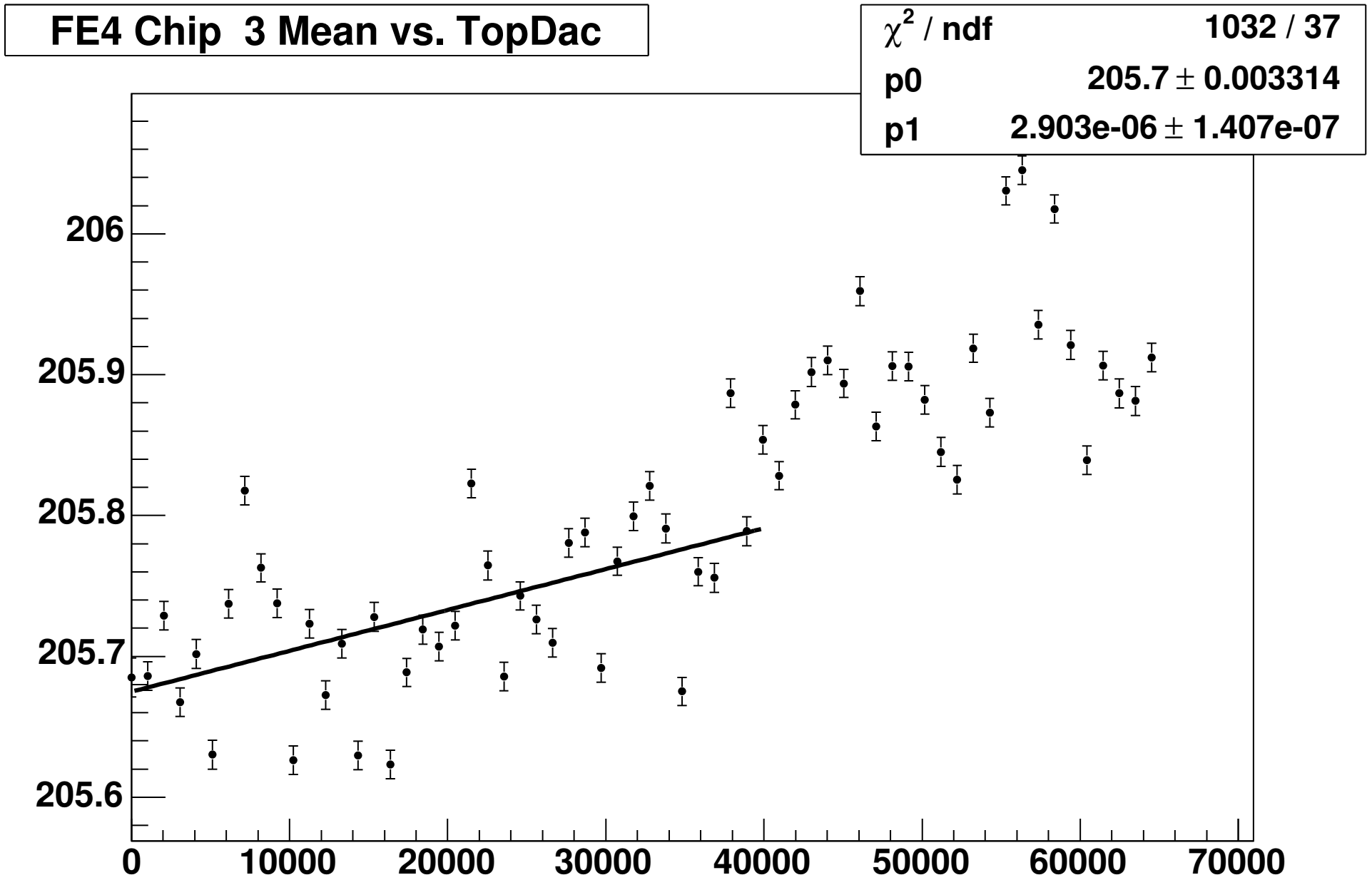
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 1032 / 37
p0 205.7 ± 0.003314
p1 2.903e-06 ± 1.407e-07
206
205.9
205.8
205.7
205.6
0
10000
20000
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60000
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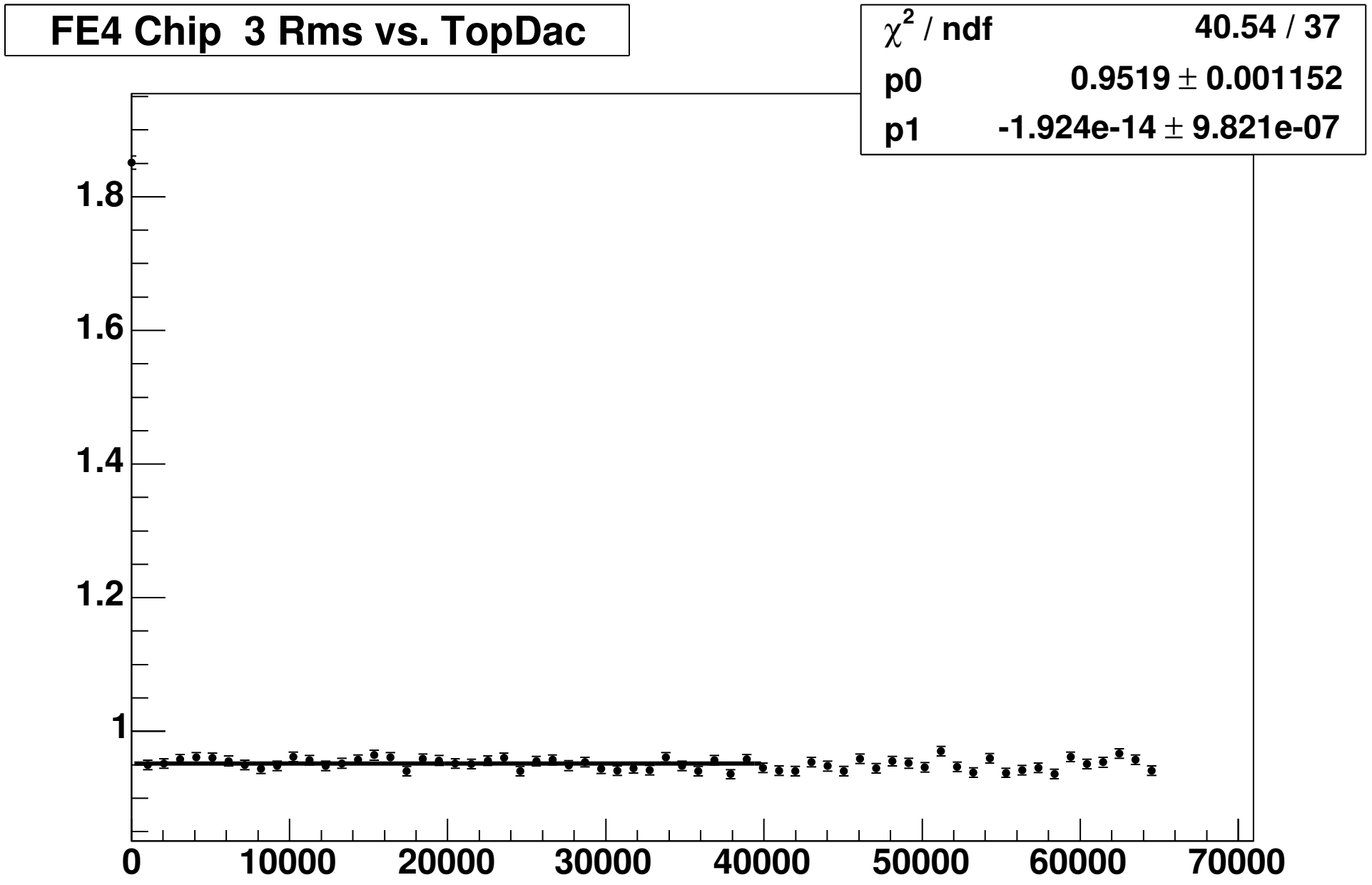
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 40.54 / 37
p0 0.9519 ± 0.001152
p1 -1.924e-14 ± 9.821e-07
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
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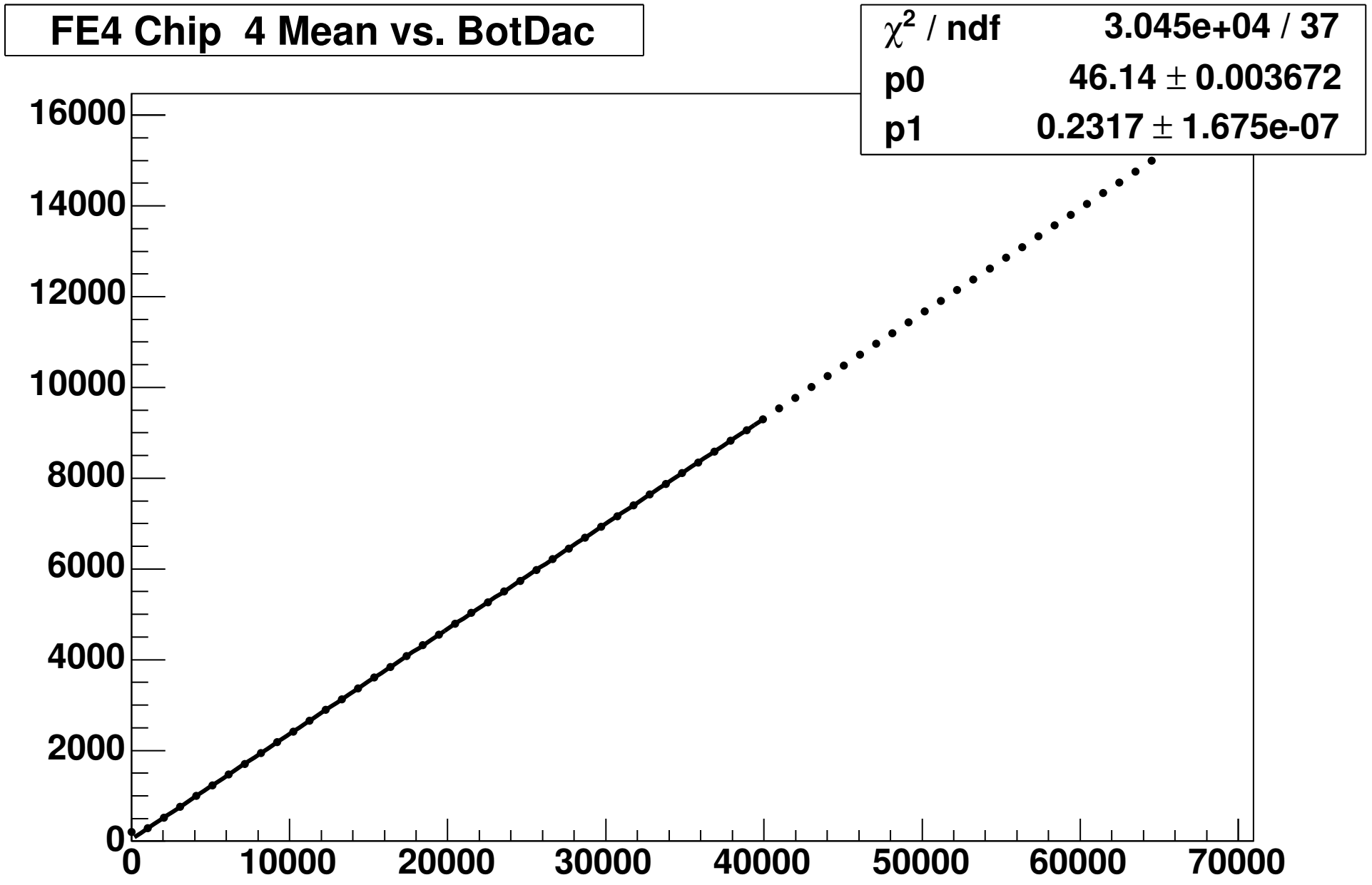
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 3.045e+04 / 37
p0 46.14 ± 0.003672
p1 0.2317 ± 1.675e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
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50000
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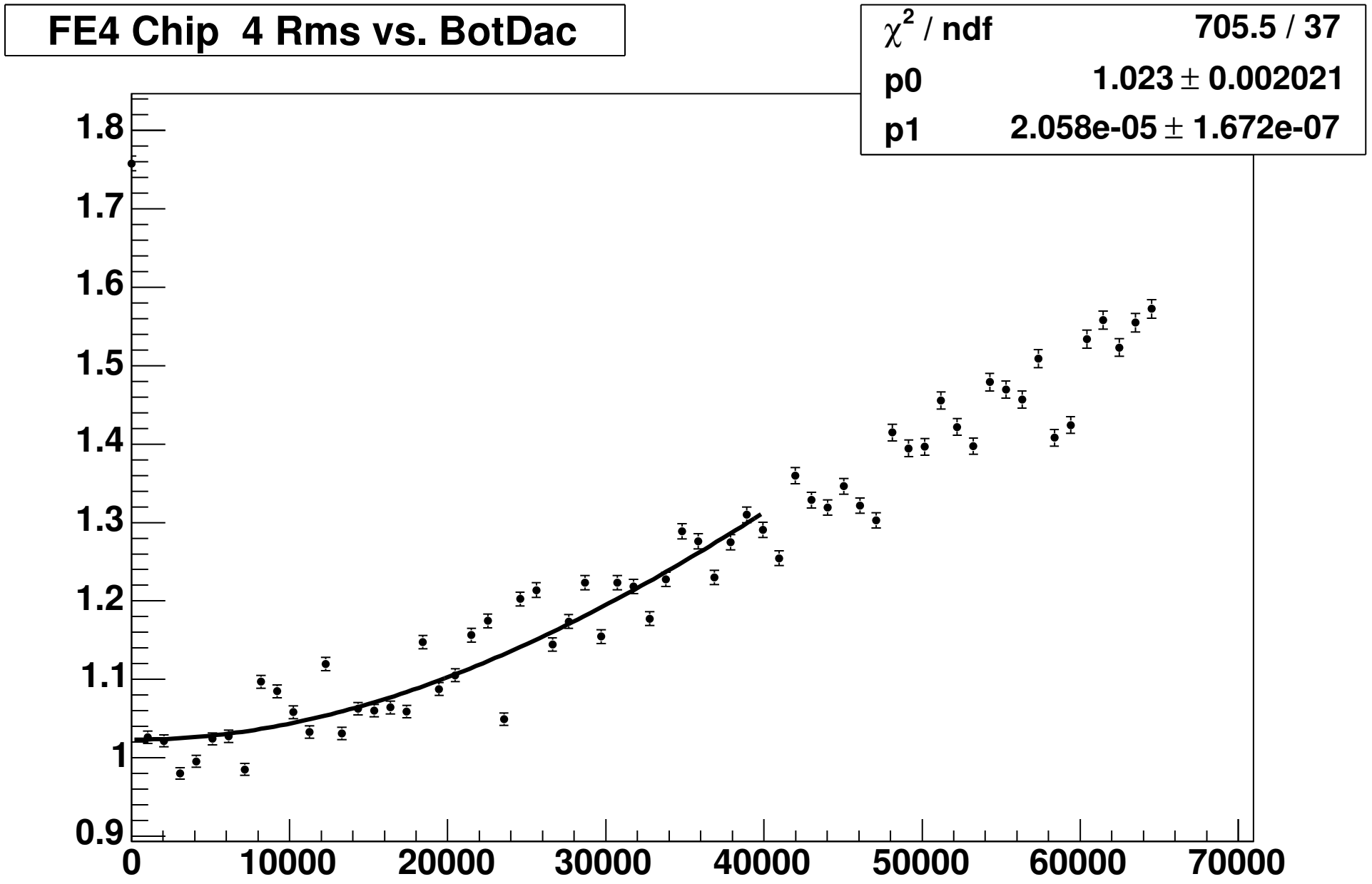
FE4 Chip 4 Rms vs. BotDac
χ² / ndf 705.5 / 37
p0 1.023 ± 0.002021
p1 2.058e-05 ± 1.672e-07
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
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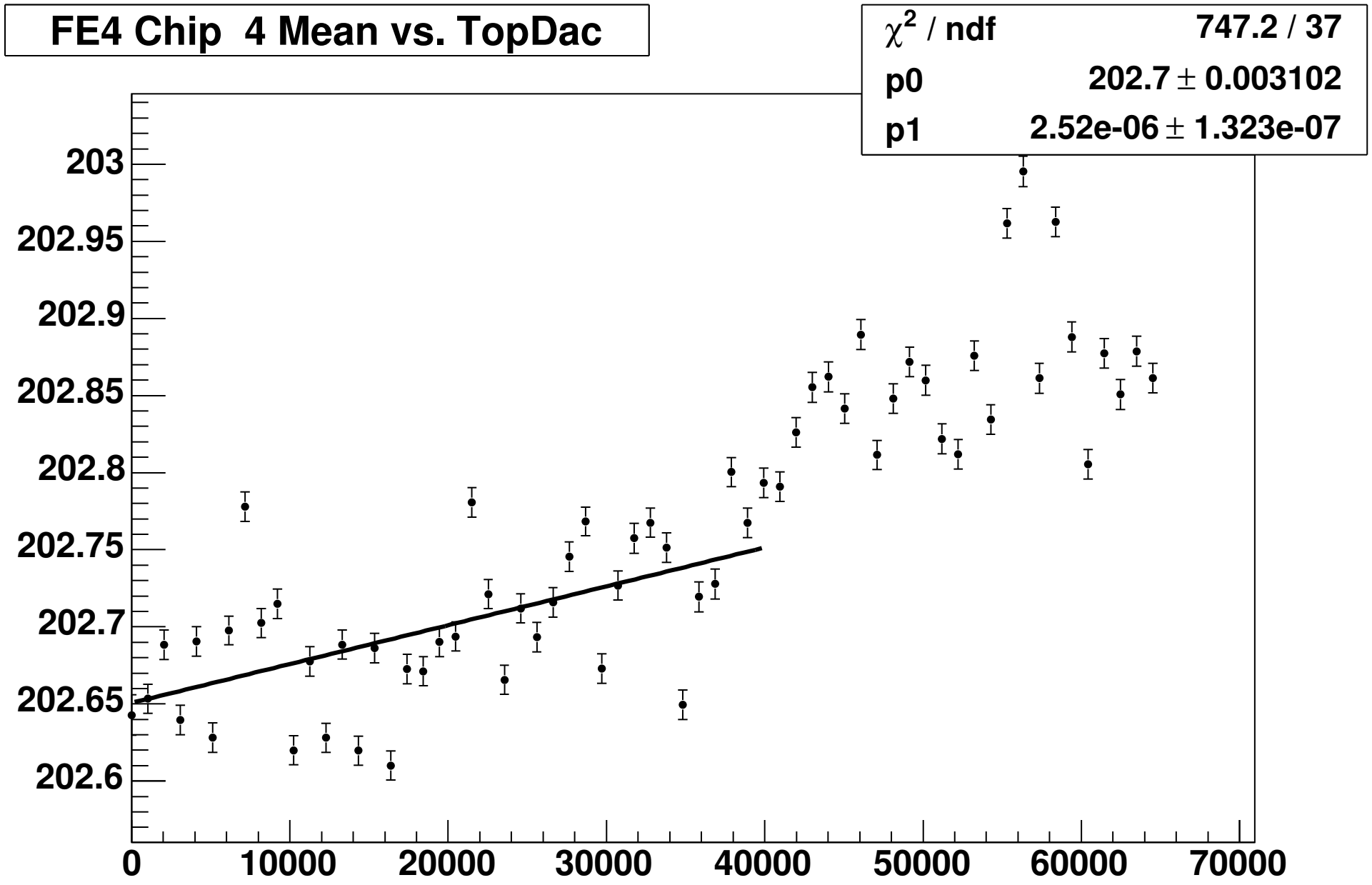
40000
50000
60000
70000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 747.2 / 37
p0 202.7 ± 0.003102
p1 2.52e-06 ± 1.323e-07
203
202.95
202.9
202.85
202.8
202.75
202.7
202.65
202.6
0
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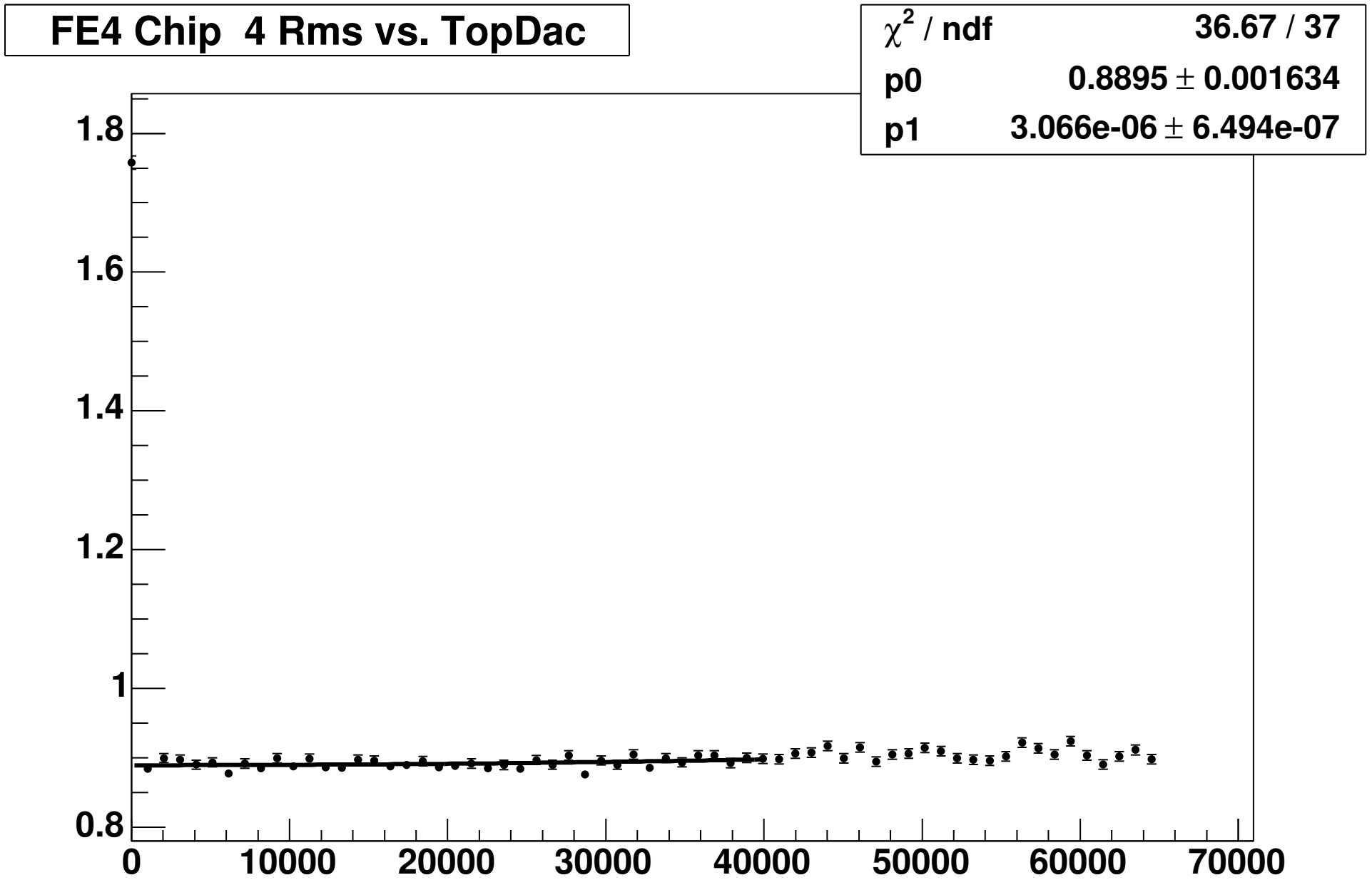
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 36.67 / 37
p0 0.8895 ± 0.001634
p1 3.066e-06 ± 6.494e-07
1.8
1.6
1.4
1.2
1
0.8
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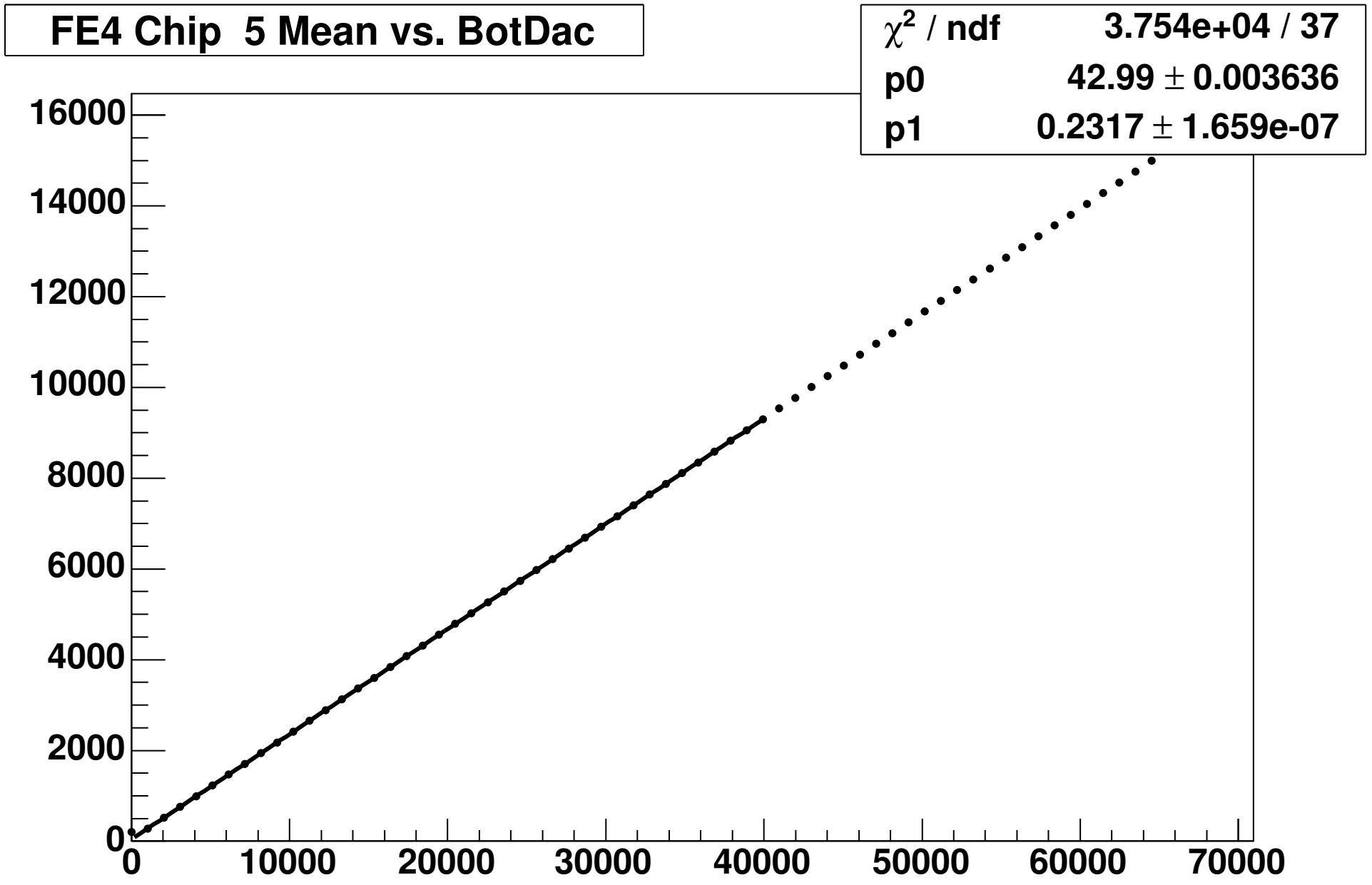
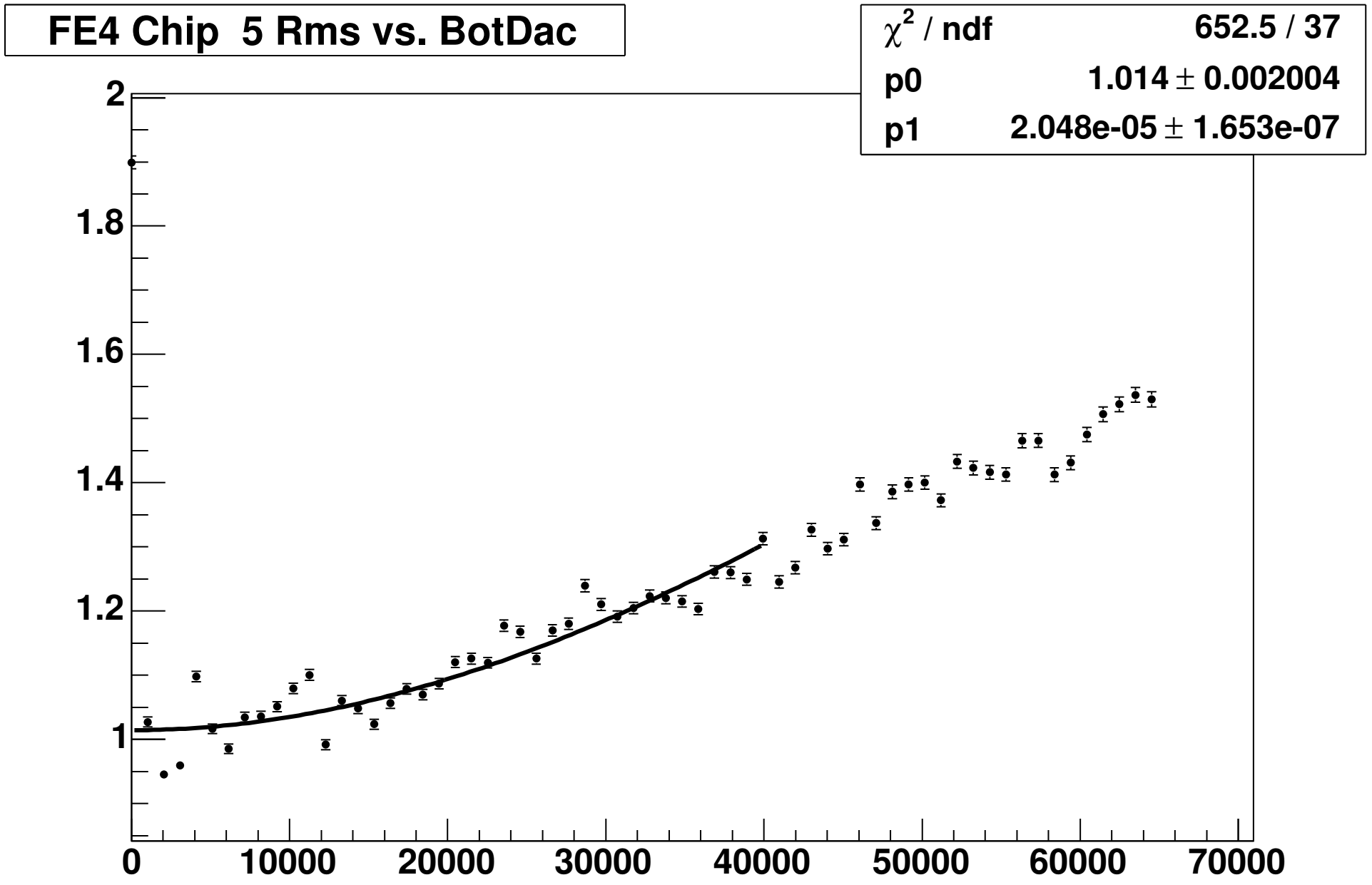
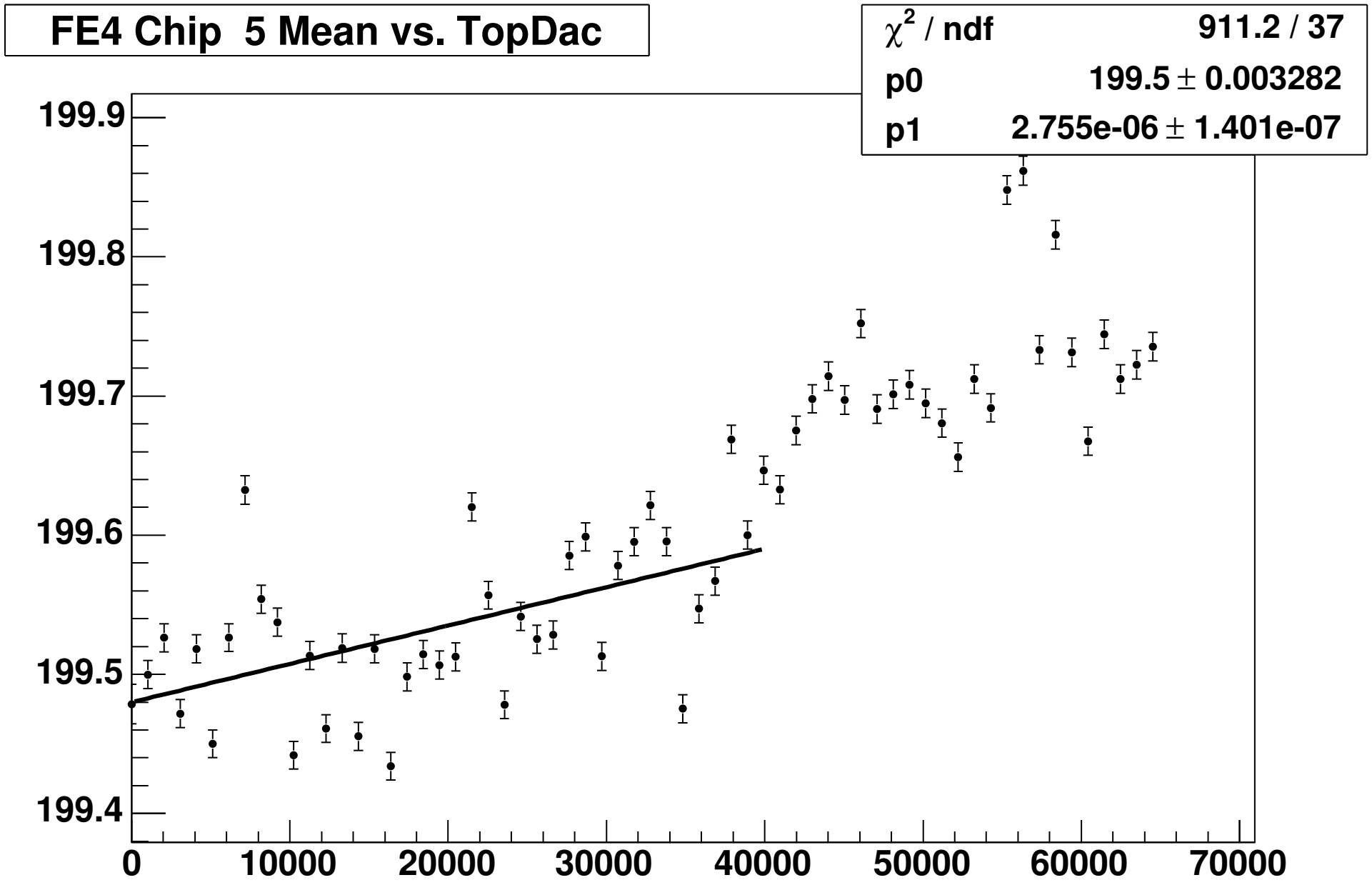

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 3.754e+04 / 37
p0 42.99 ± 0.003636
p1 0.2317 ± 1.659e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 652.5 / 37
p0 1.014 ± 0.002004
p1 2.048e-05 ± 1.653e-07
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 911.2 / 37
p0 199.5 ± 0.003282
p1 2.755e-06 ± 1.401e-07
199.9
199.8
199.7
199.6
199.5
199.4
0
10000
20000
30000
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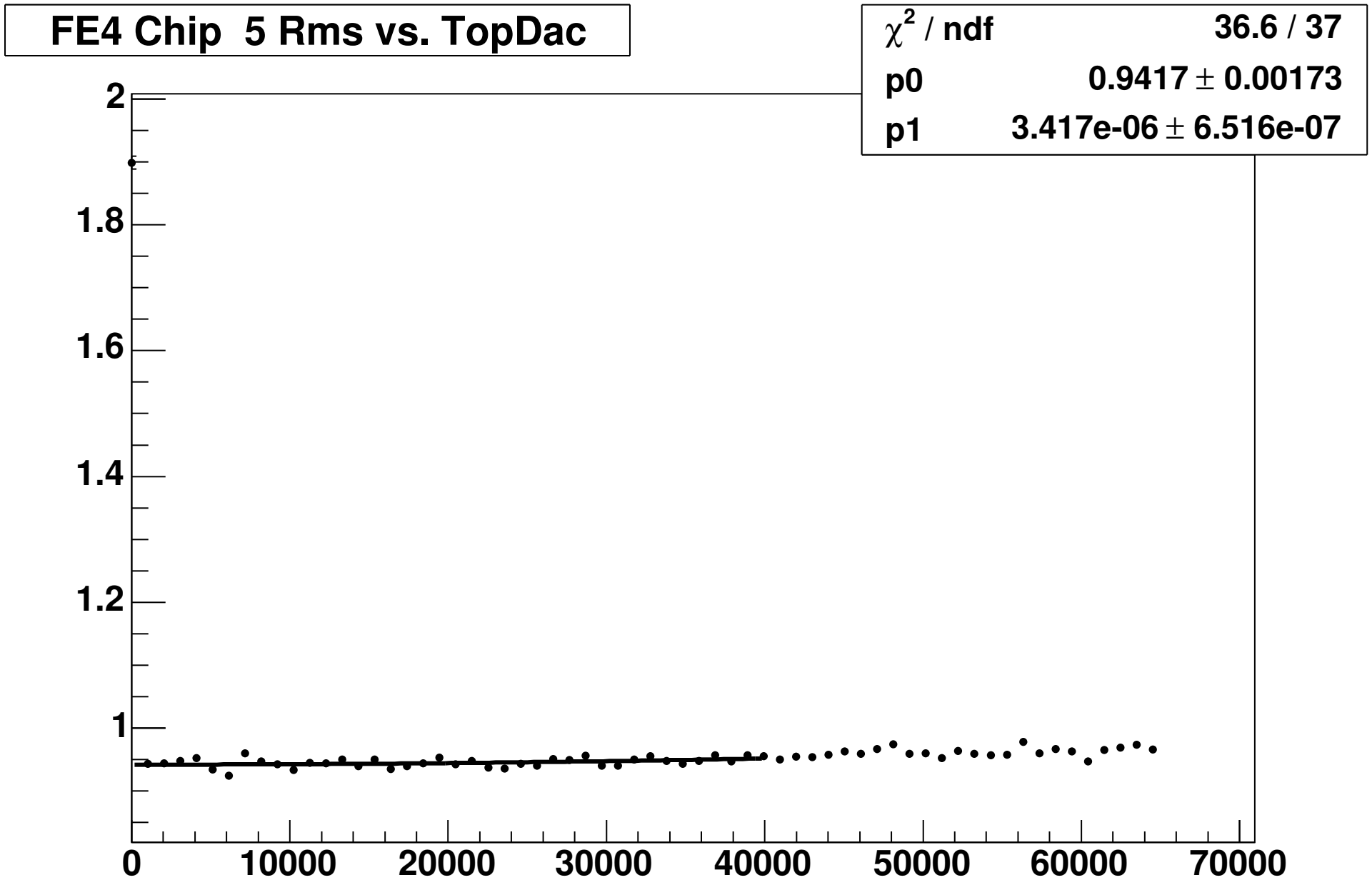
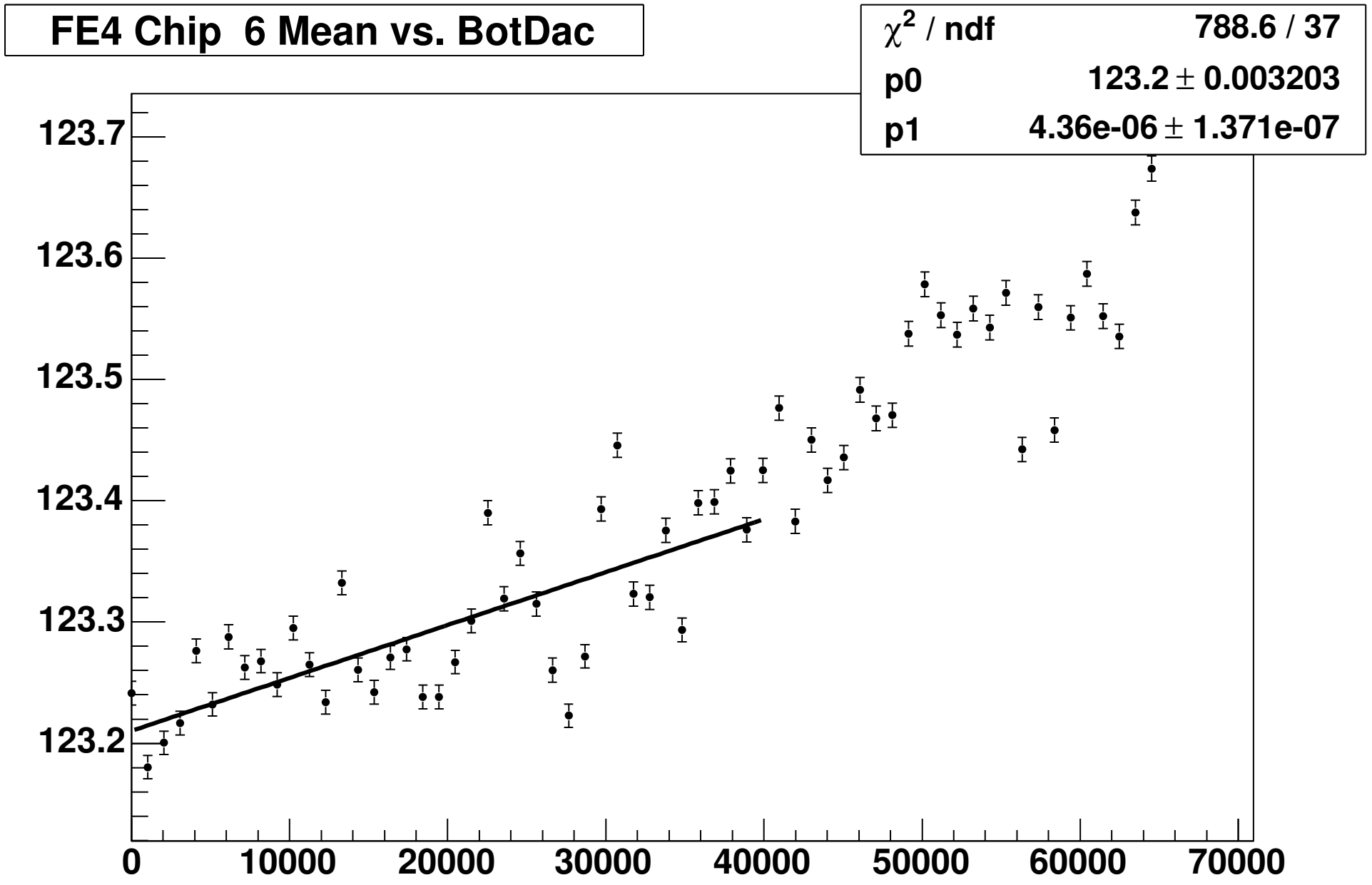
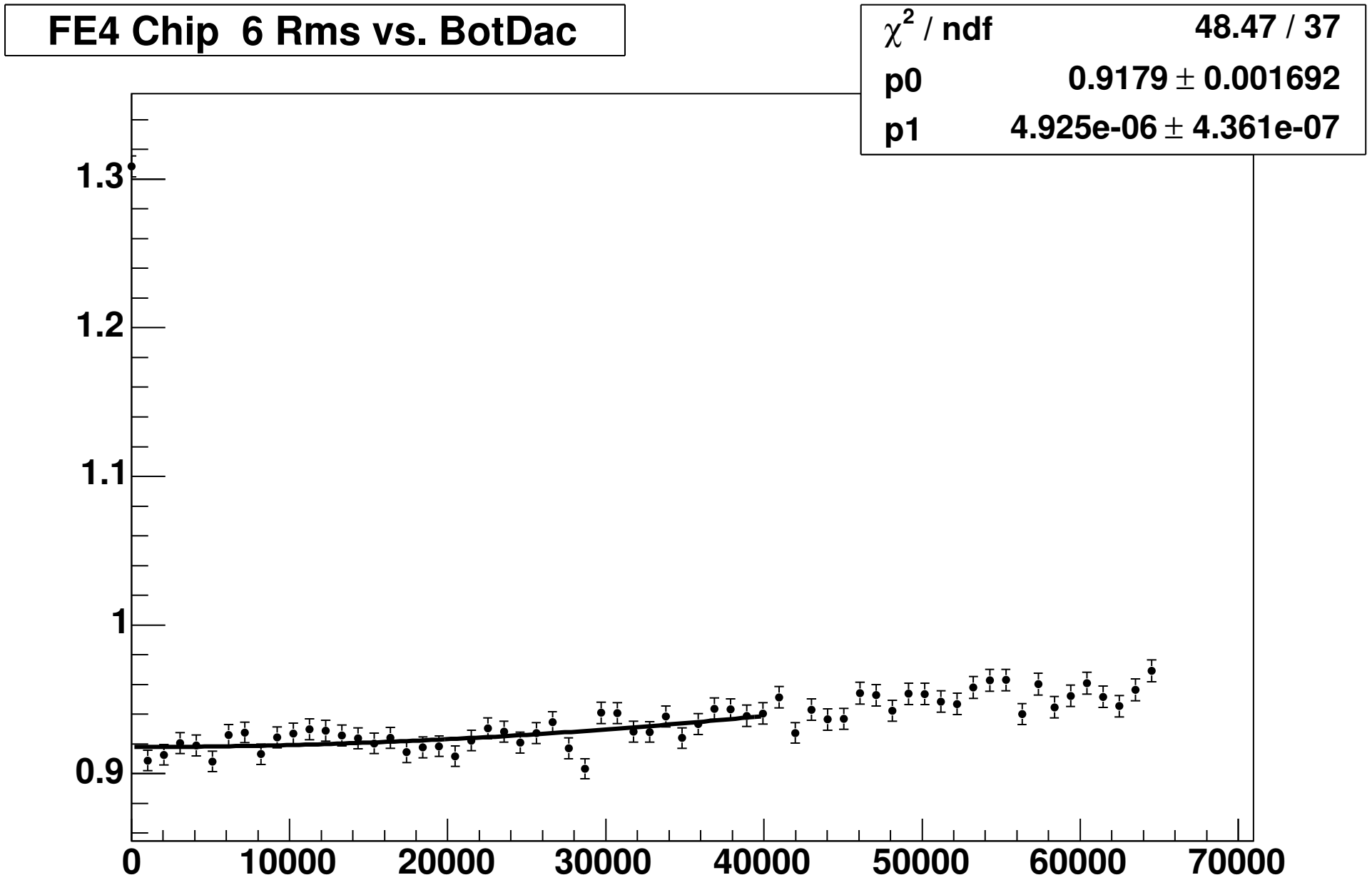
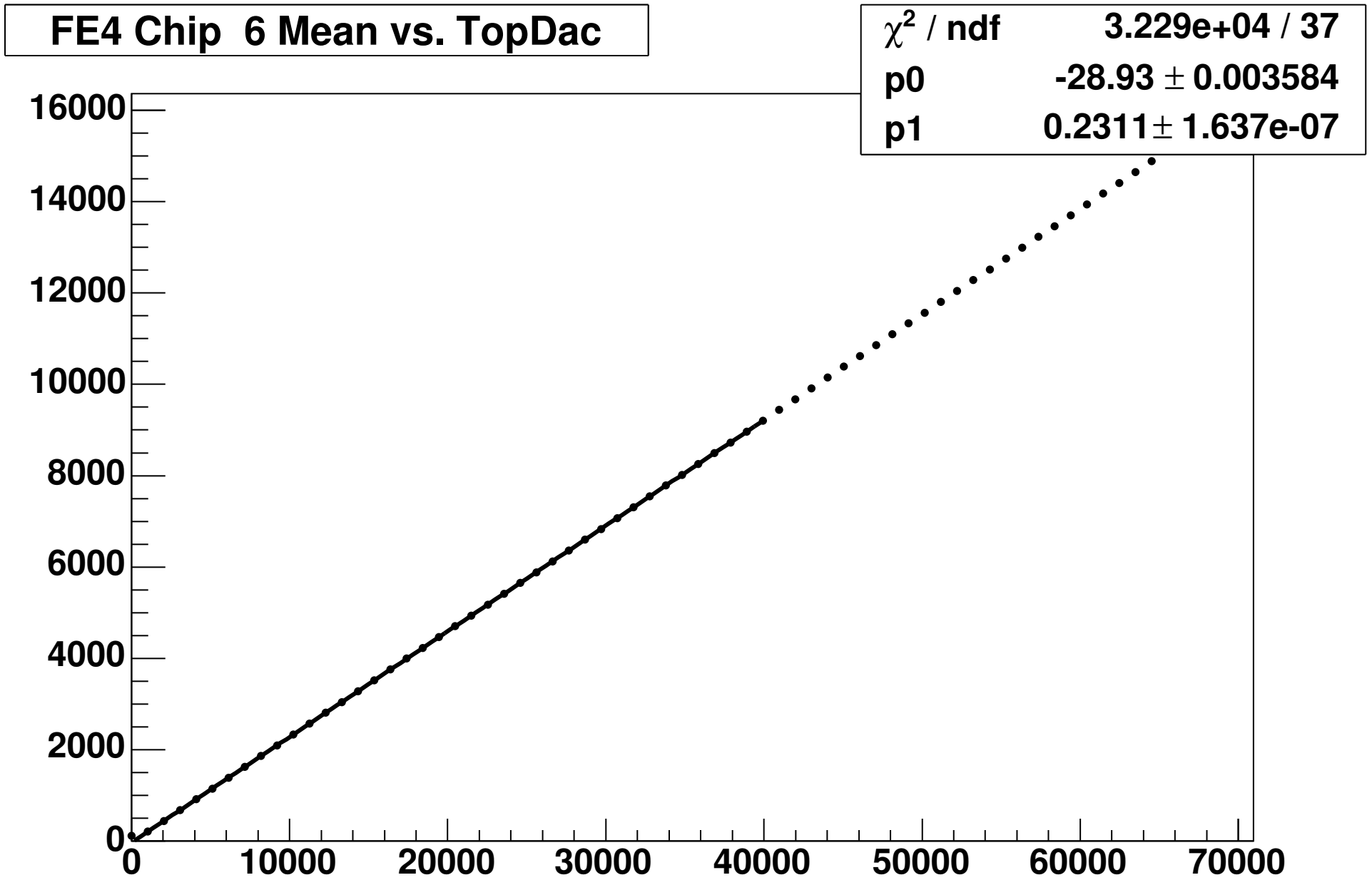
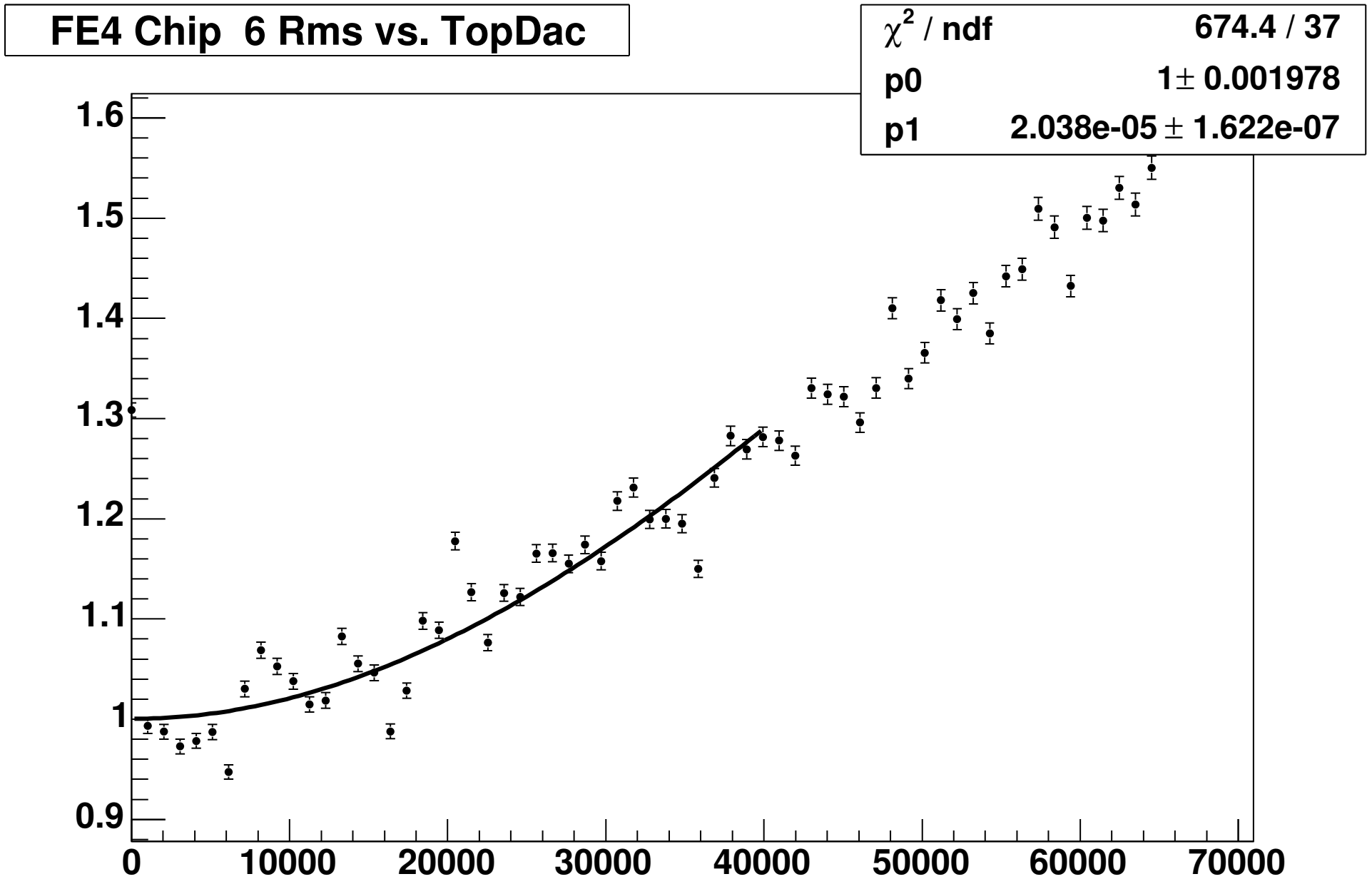

FE4 Chip 5 Rms vs. TopDac
χ² / ndf 36.6 / 37
p0 0.9417 ± 0.00173
p1 3.417e-06 ± 6.516e-07
2
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 788.6 / 37
p0 123.2 ± 0.003203
p1 4.36e-06 ± 1.371e-07
123.7
123.6
123.5
123.4
123.3
123.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 48.47 / 37
p0 0.9179 ± 0.001692
p1 4.925e-06 ± 4.361e-07
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 3.229e+04 / 37
p0 -28.93 ± 0.003584
p1 0.2311 ± 1.637e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 674.4 / 37
p0 1 ± 0.001978
p1 2.038e-05 ± 1.622e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
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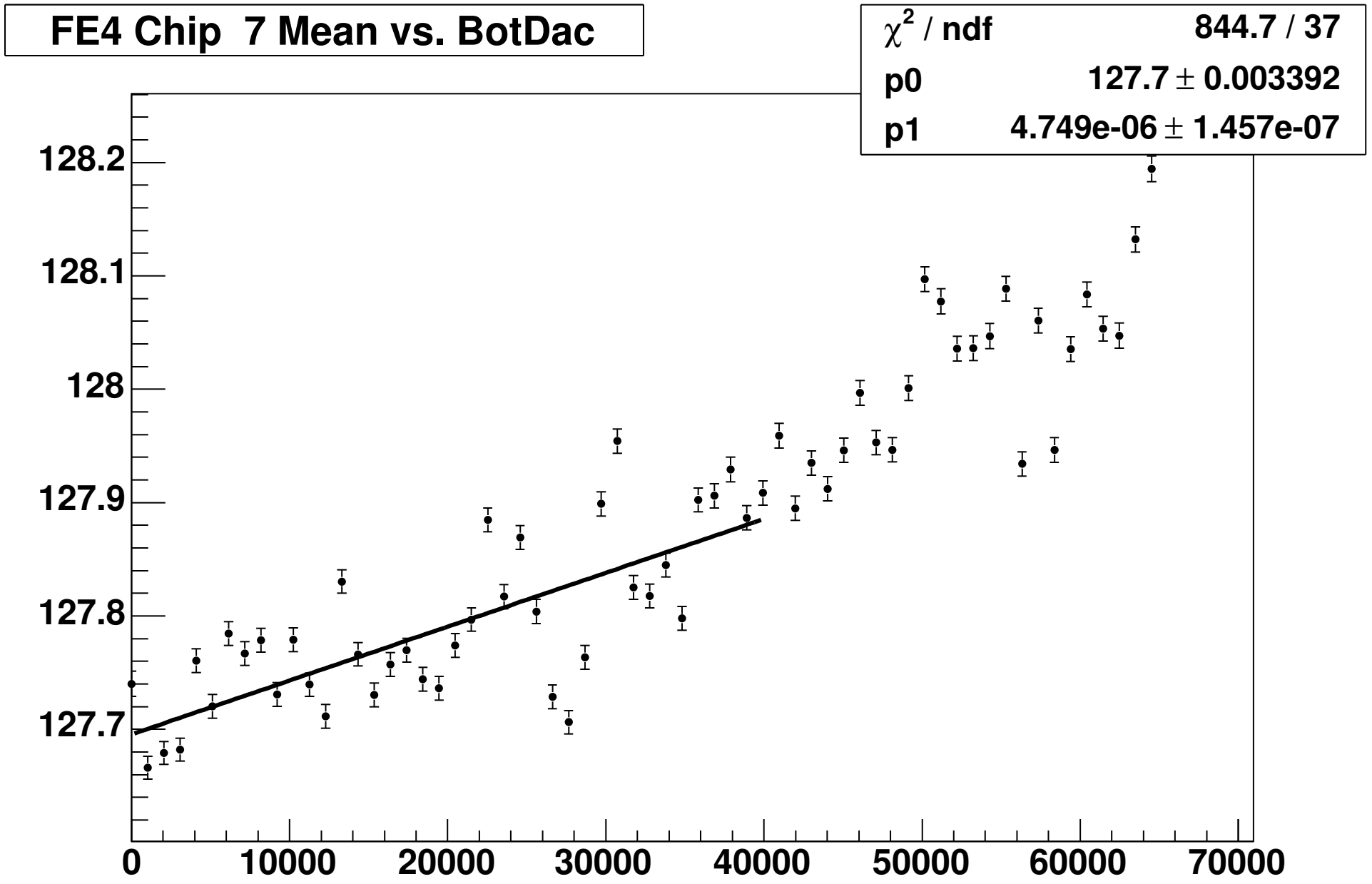
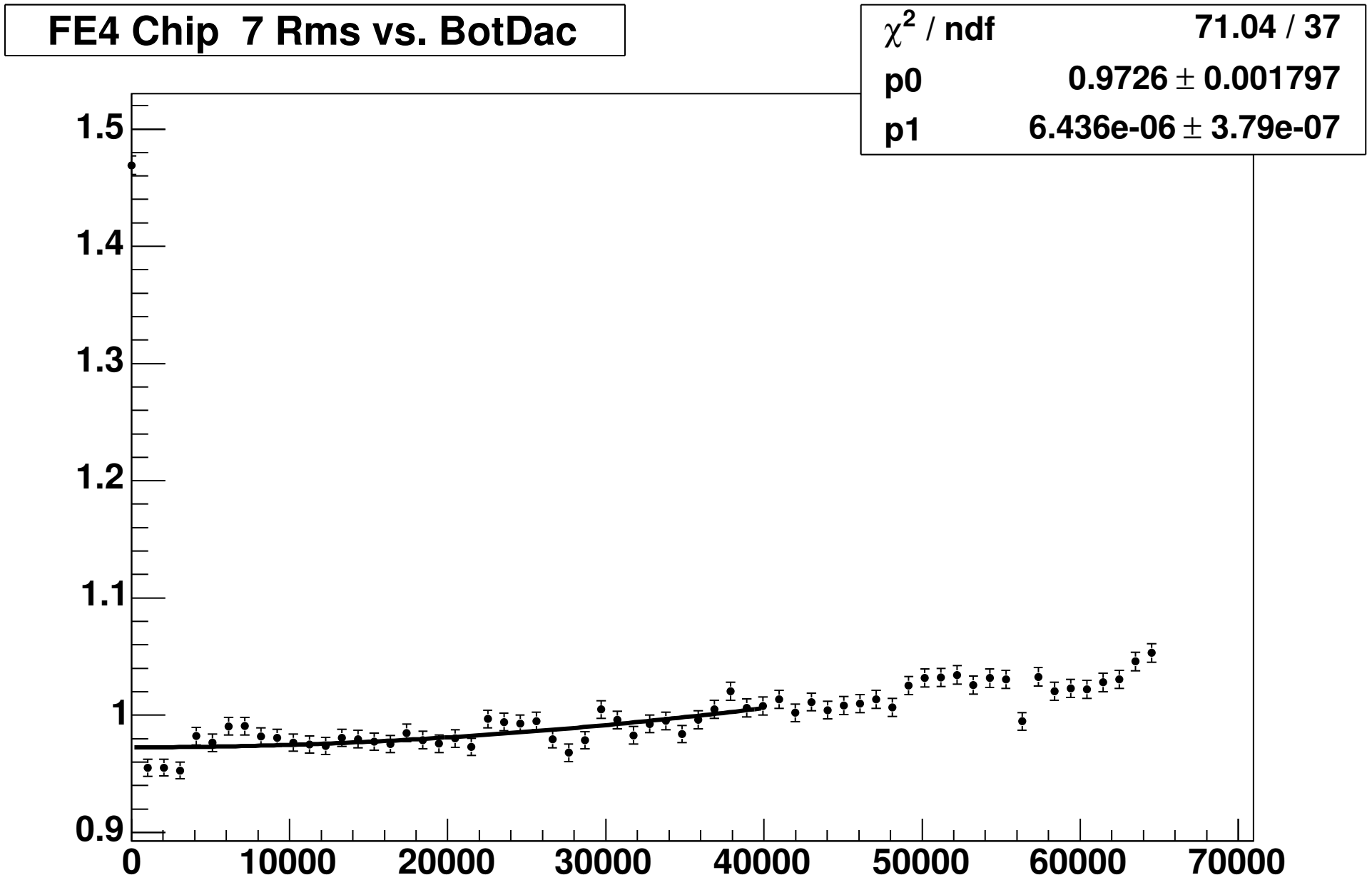
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 844.7 / 37
p0 127.7 ± 0.003392
p1 4.749e-06 ± 1.457e-07
128.2
128.1
128
127.9
127.8
127.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 71.04 / 37
p0 0.9726 ± 0.001797
p1 6.436e-06 ± 3.79e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
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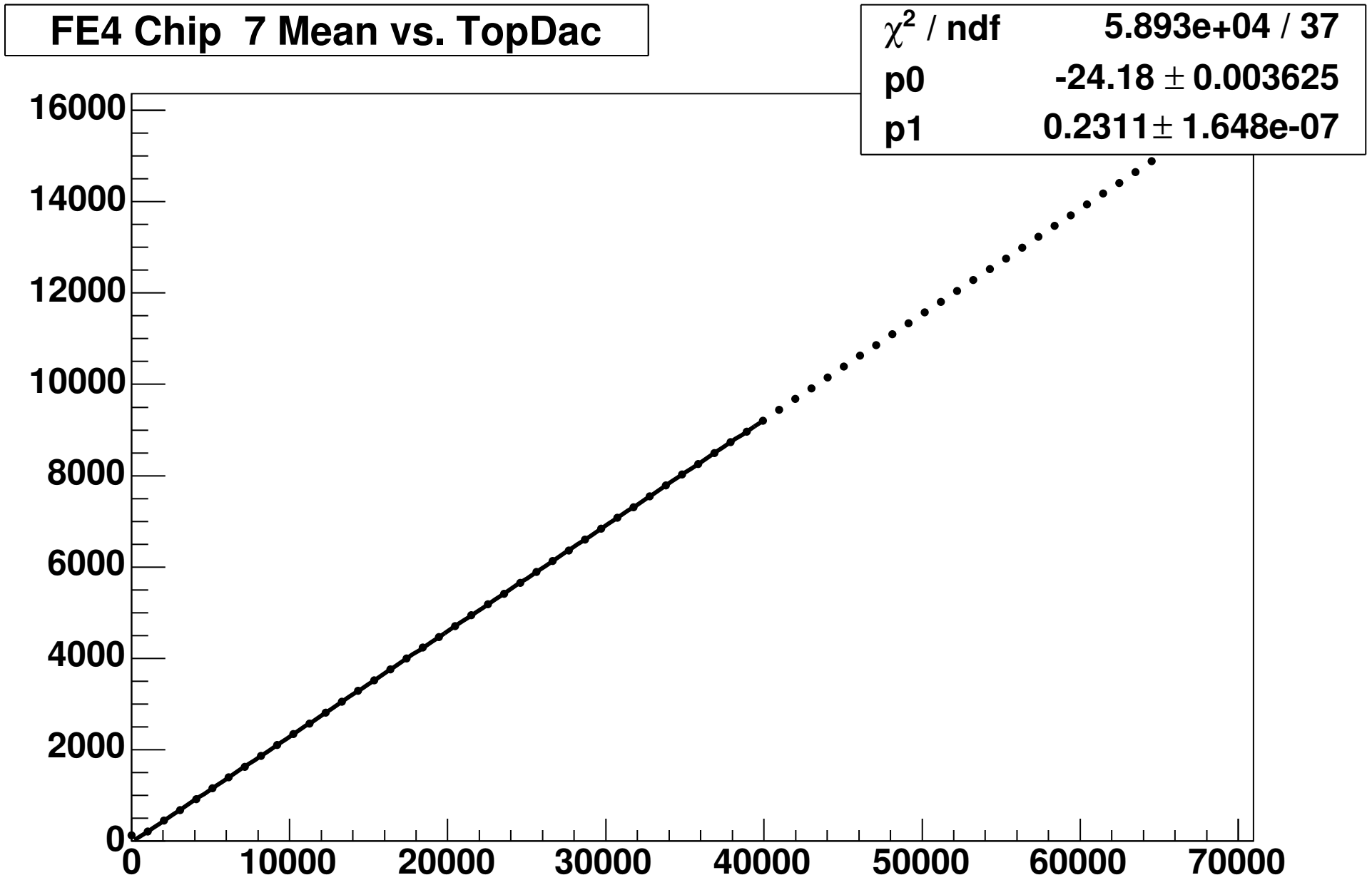
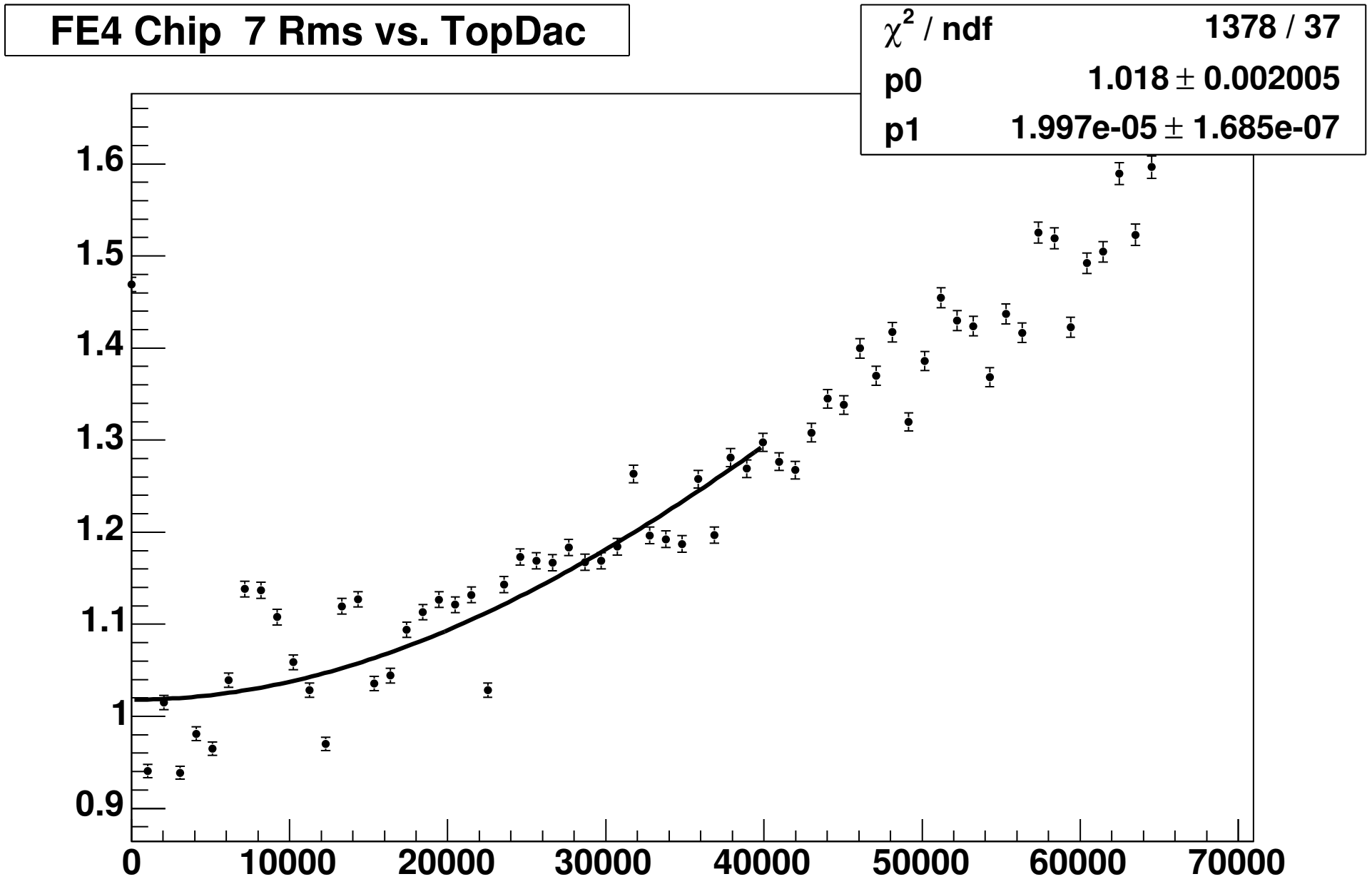
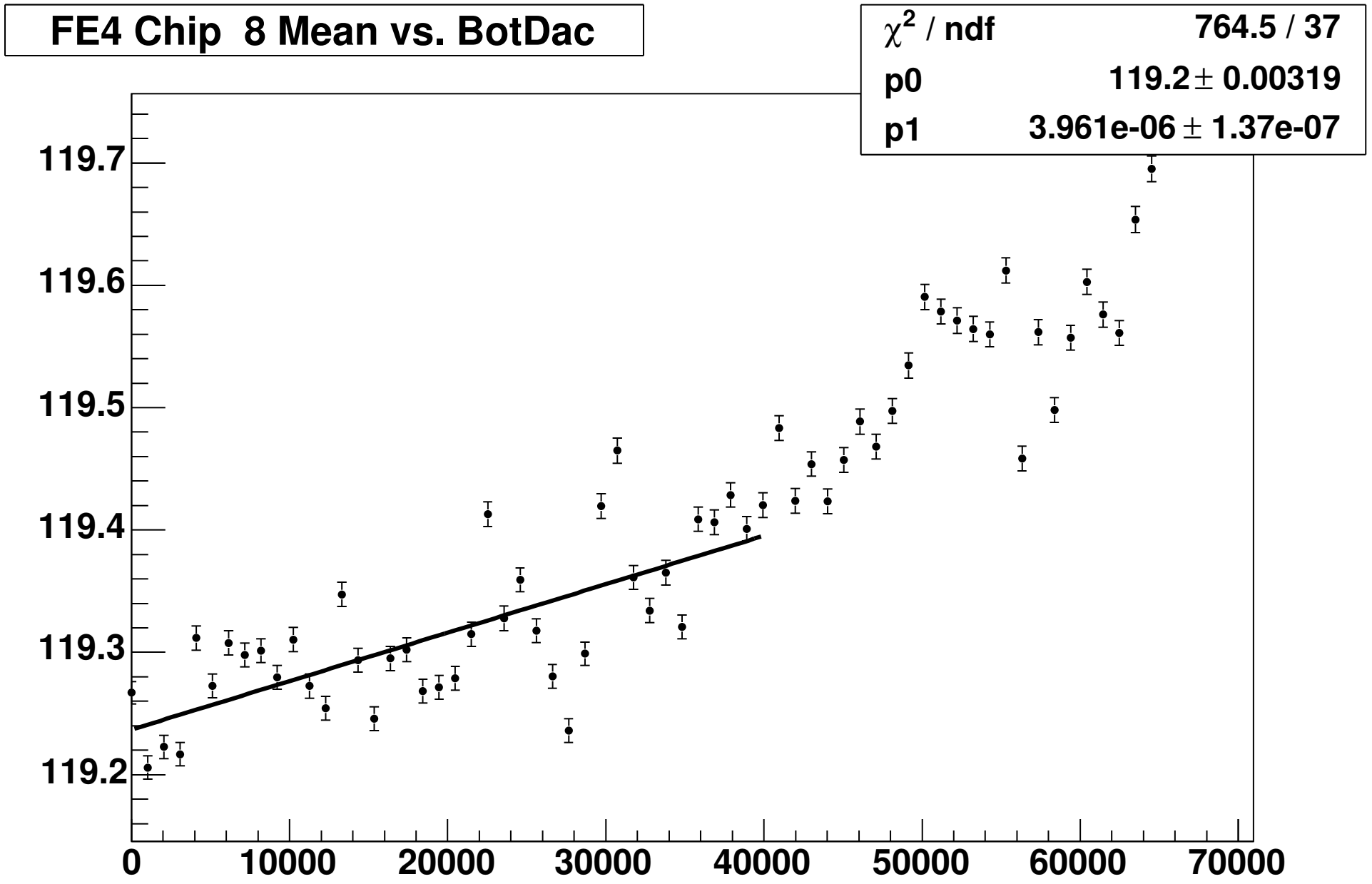
60000
70000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 5.893e+04 / 37
p0 -24.18 ± 0.003625
p1 0.2311 ± 1.648e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1378 / 37
p0 1.018 ± 0.002005
p1 1.997e-05 ± 1.685e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 764.5 / 37
p0 119.2 ± 0.00319
p1 3.961e-06 ± 1.37e-07
119.7
119.6
119.5
119.4
119.3
119.2
0
10000
20000
30000
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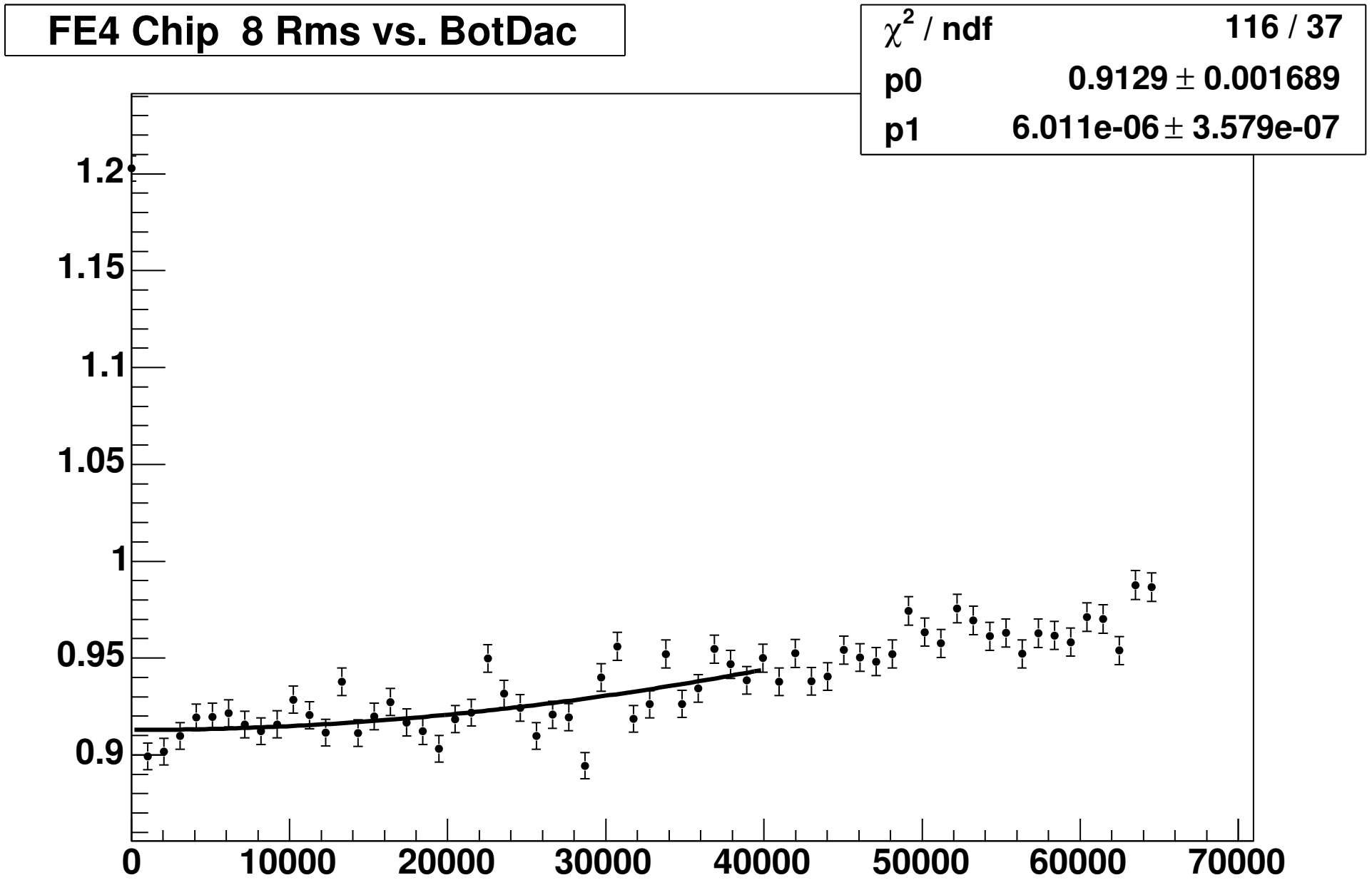
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 116 / 37
p0 0.9129 ± 0.001689
p1 6.011e-06 ± 3.579e-07
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
30000
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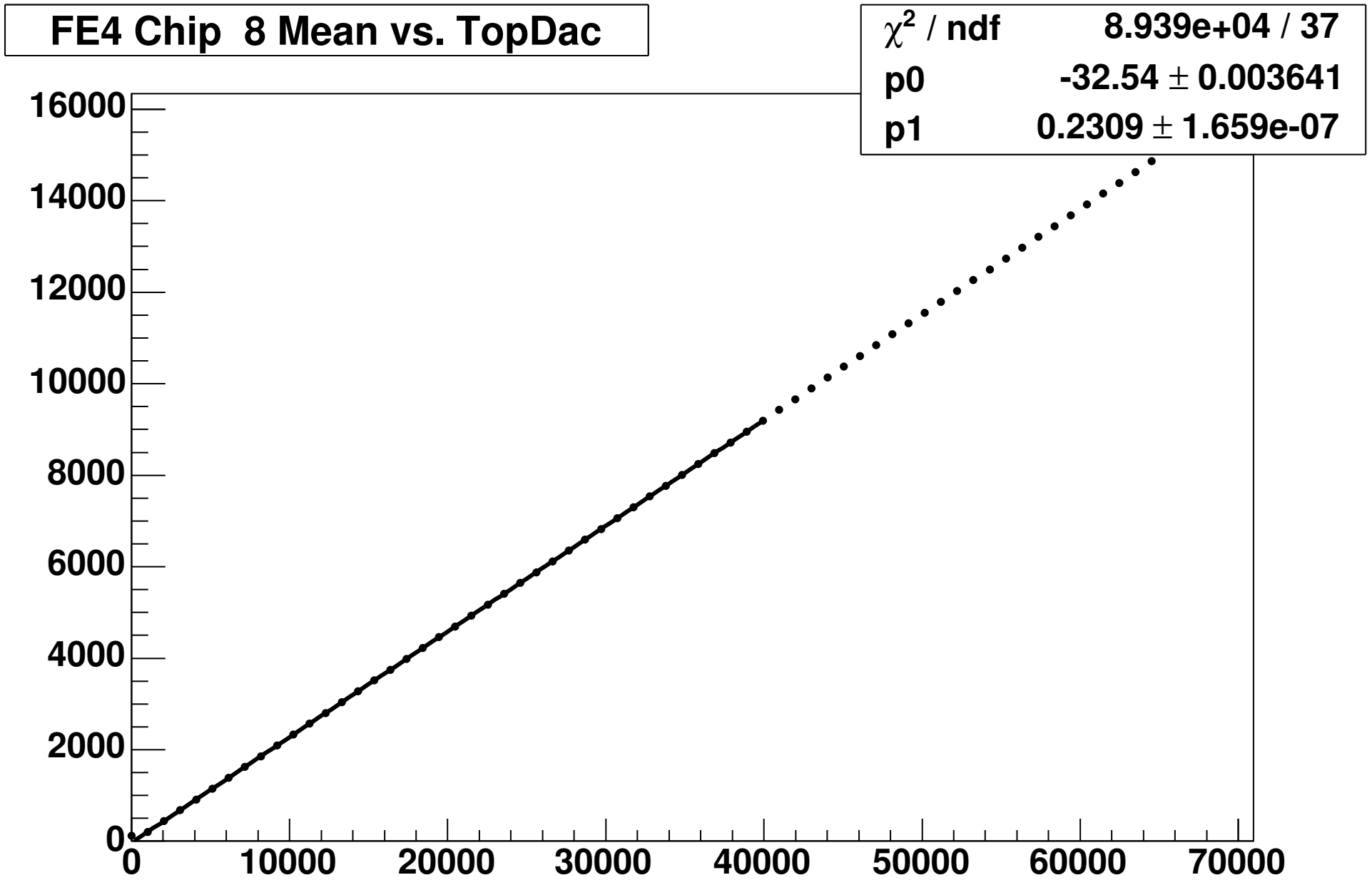
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 8.939e+04 / 37
p0 -32.54 ± 0.003641
p1 0.2309 ± 1.659e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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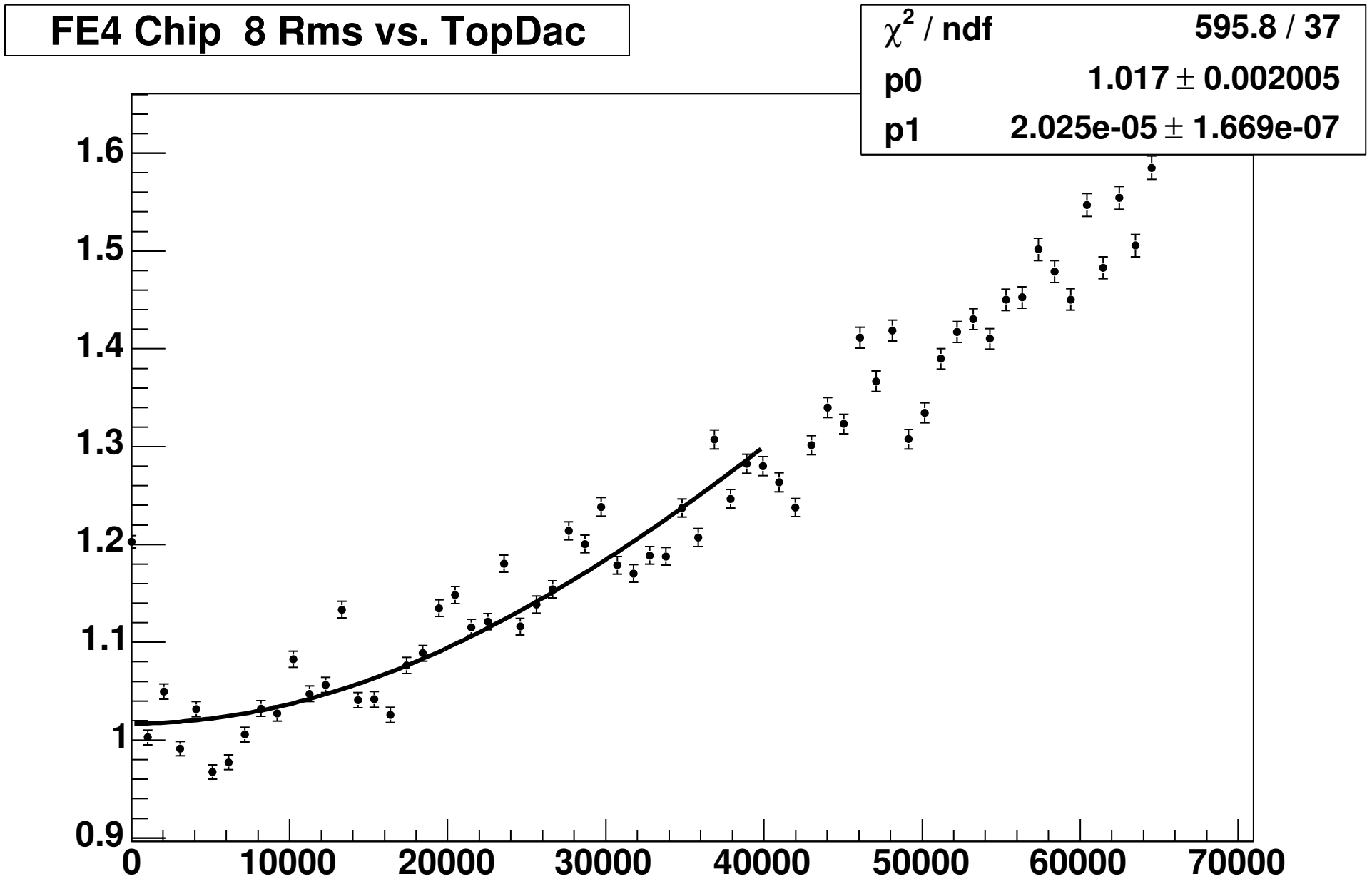
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 595.8 / 37
p0 1.017 ± 0.002005
p1 2.025e-05 ± 1.669e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
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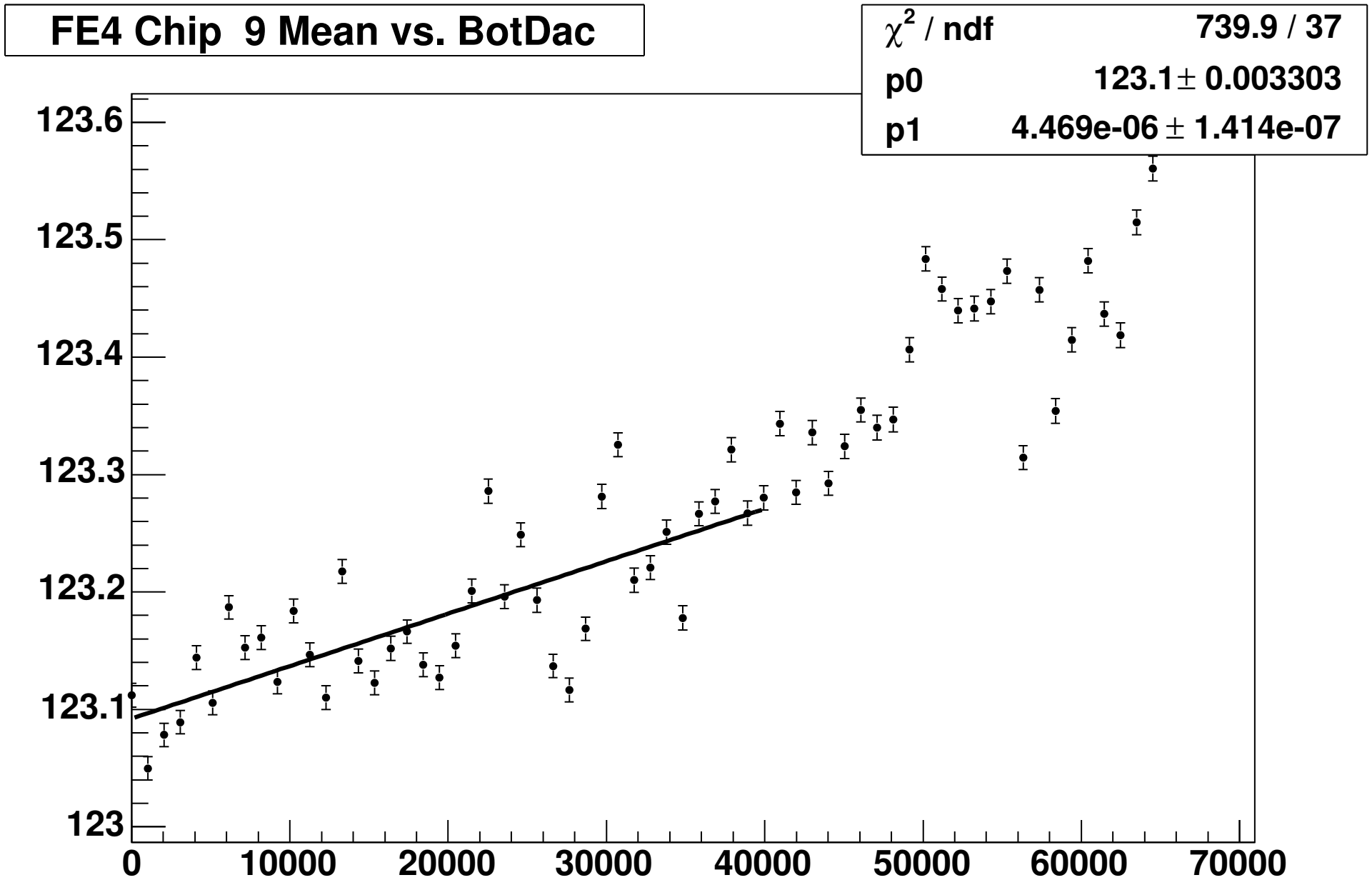
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 739.9 / 37
p0 123.1 ± 0.003303
p1 4.469e-06 ± 1.414e-07
123.6
123.5
123.4
123.3
123.2
123.1
123
0
10000
20000
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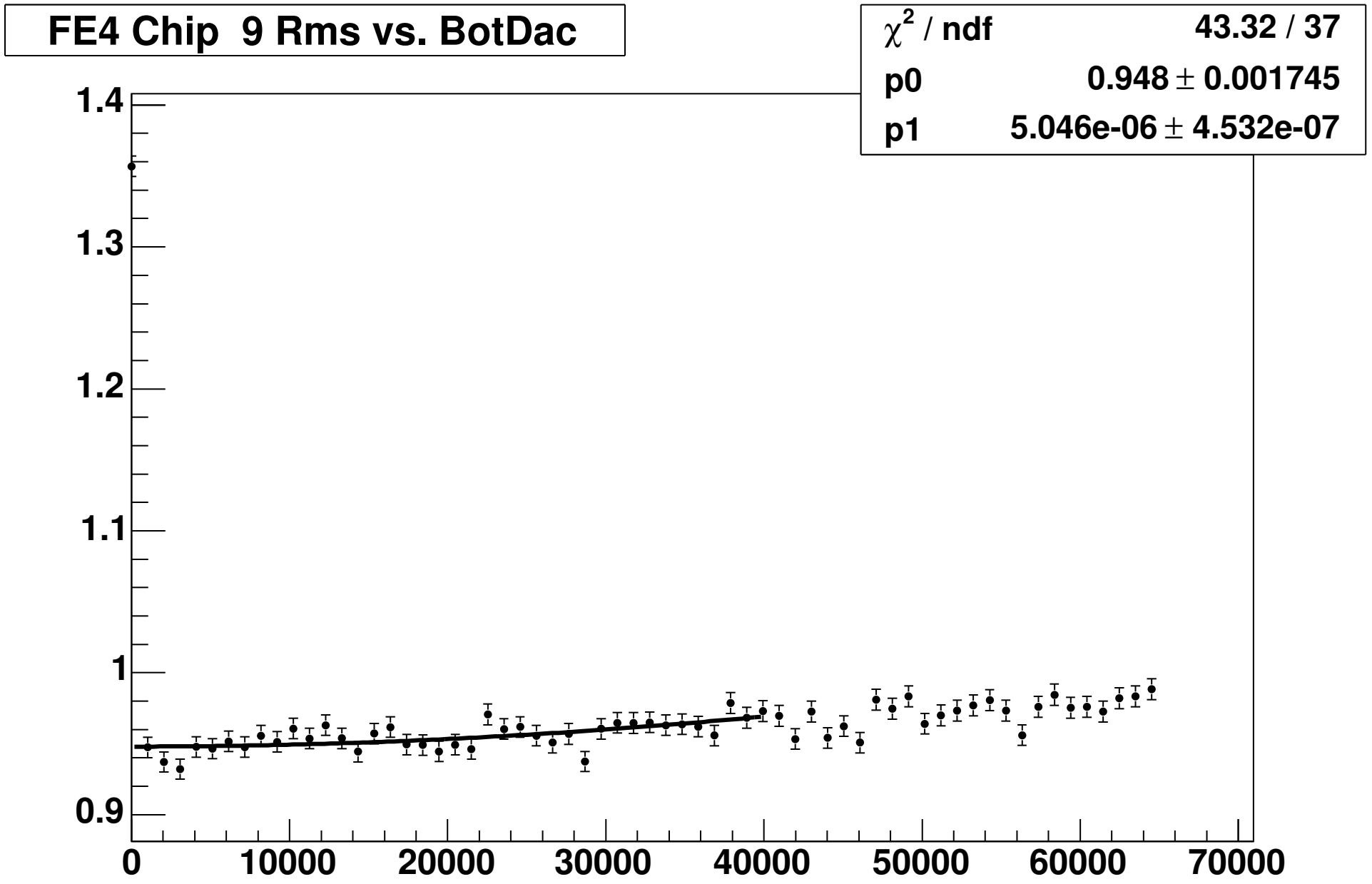
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 43.32 / 37
p0 0.948 ± 0.001745
p1 5.046e-06 ± 4.532e-07
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
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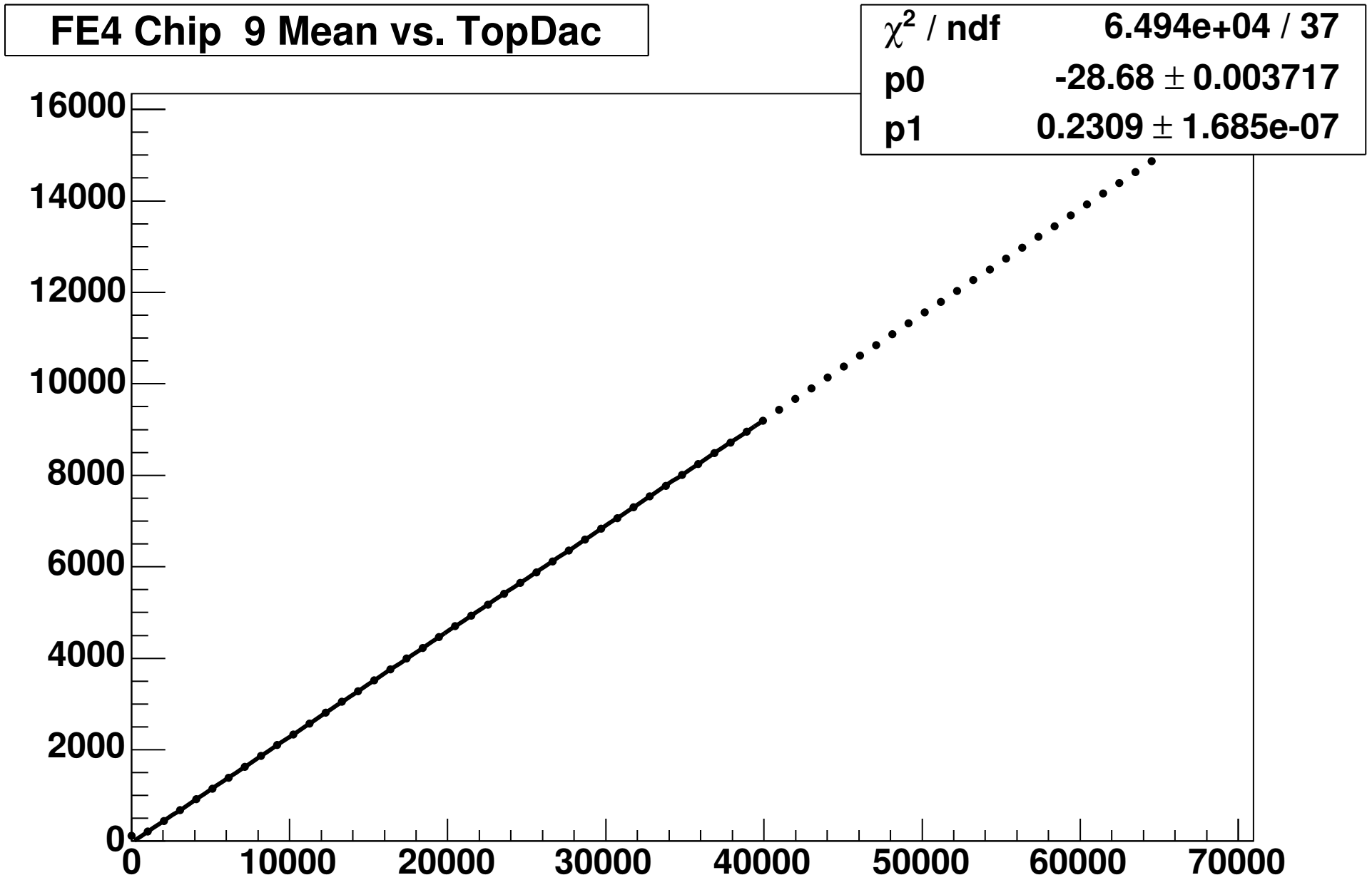
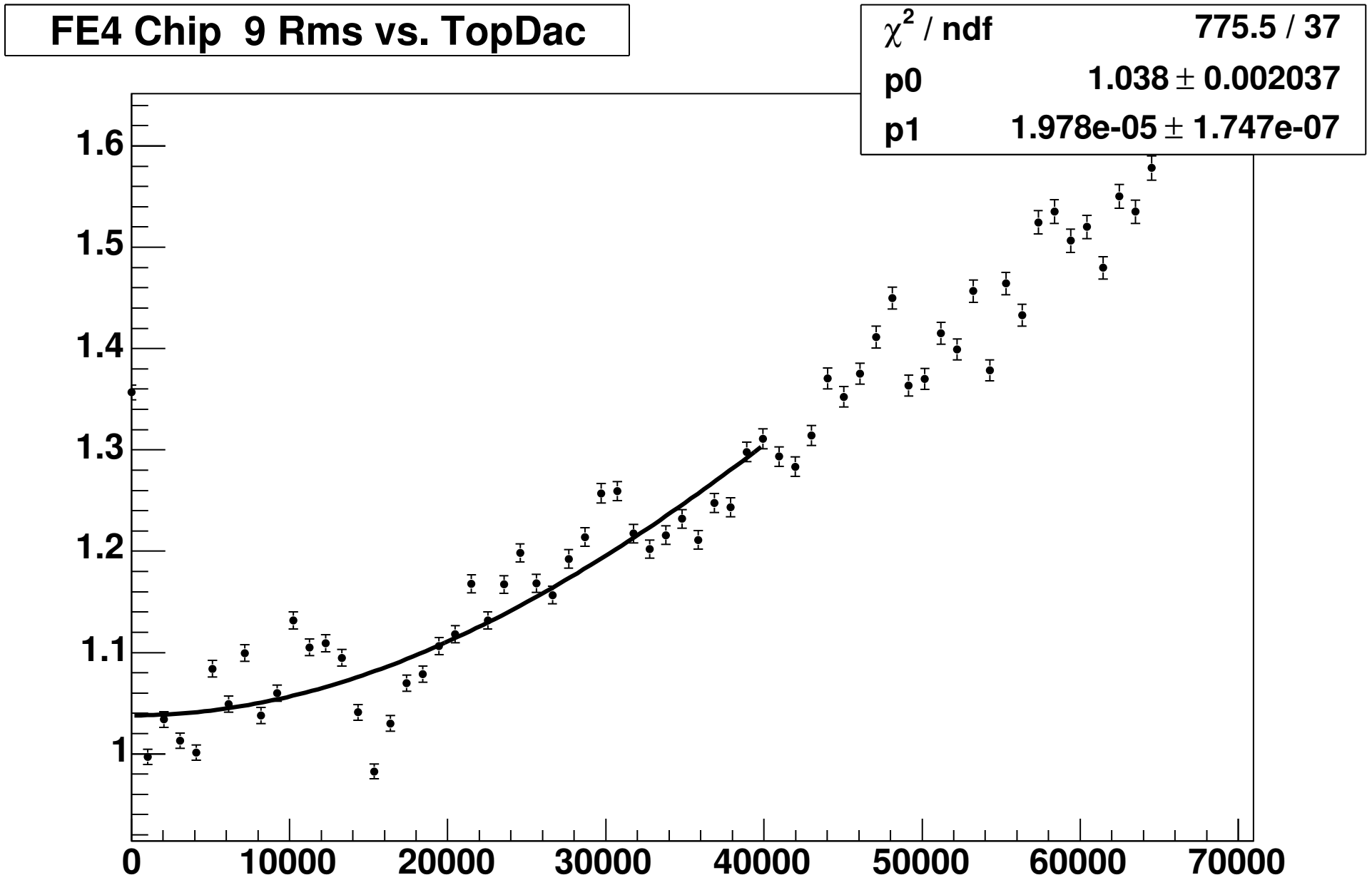

FE4 Chip 9 Mean vs. TopDac
χ² / ndf 6.494e+04 / 37
p0 -28.68 ± 0.003717
p1 0.2309 ± 1.685e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 775.5 / 37
p0 1.038 ± 0.002037
p1 1.978e-05 ± 1.747e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
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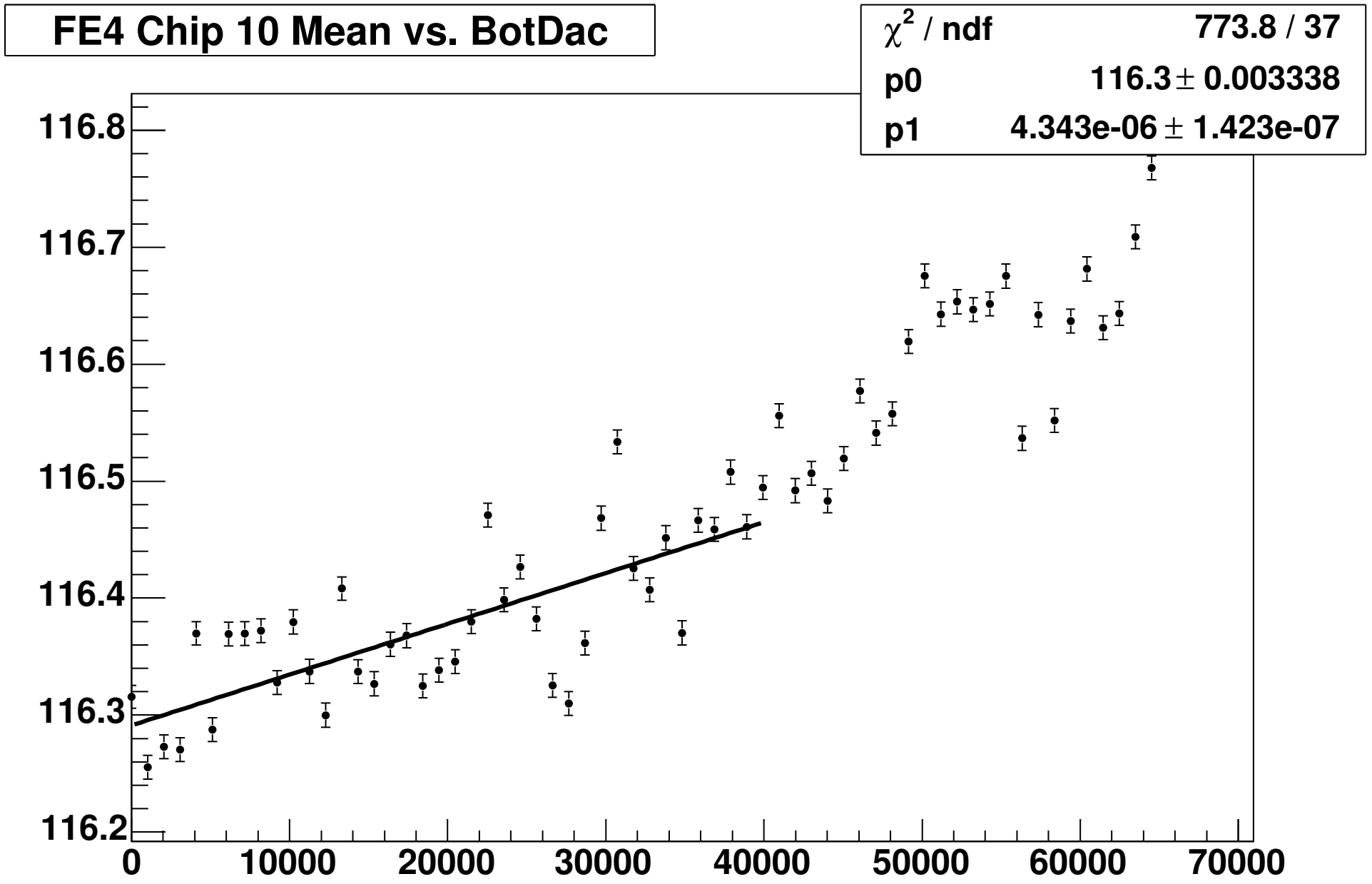
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 773.8 / 37
p0 116.3 ± 0.003338
p1 4.343e-06 ± 1.423e-07
116.8
116.7
116.6
116.5
116.4
116.3
116.2
0
10000
20000
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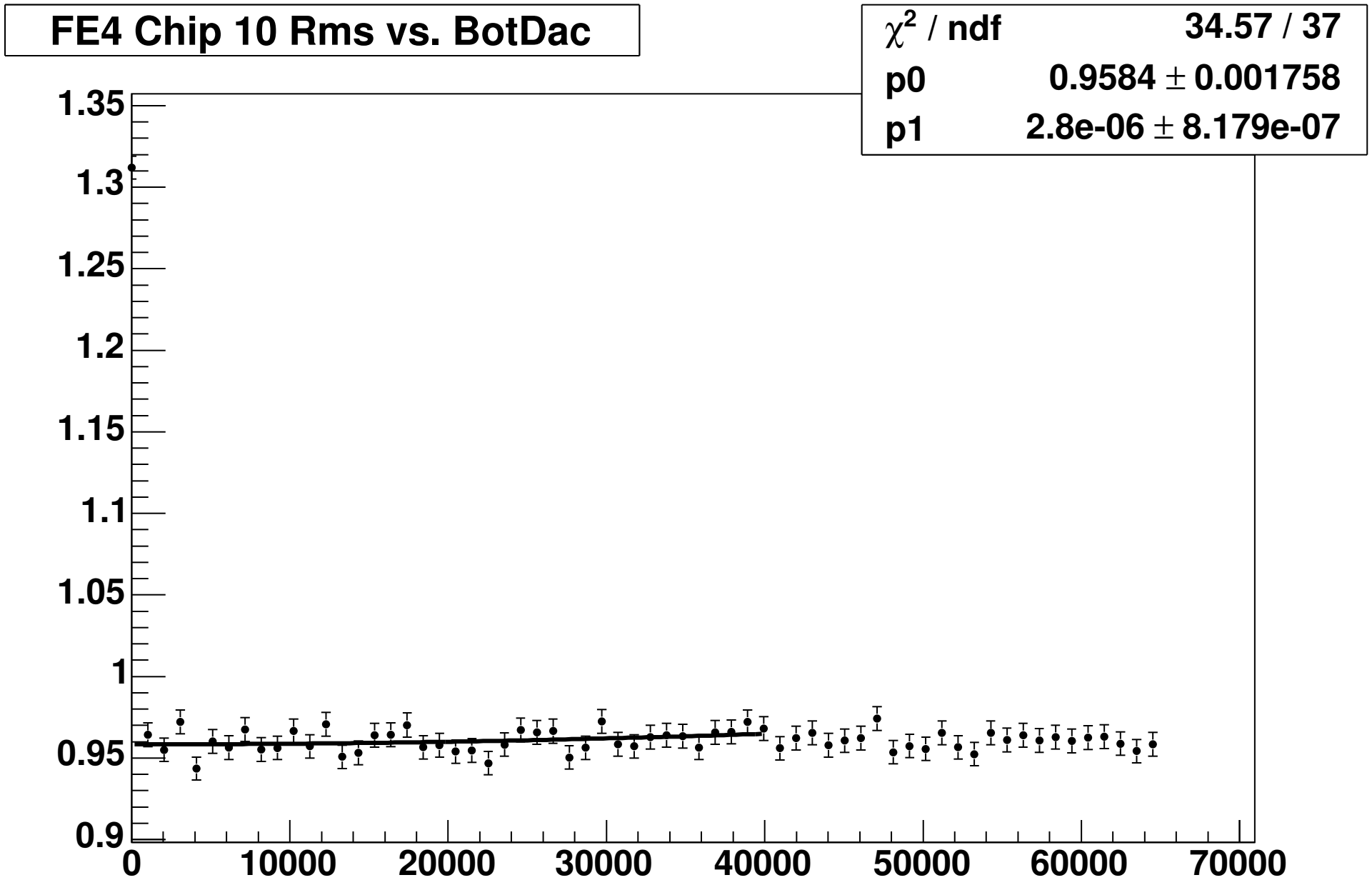
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 34.57 / 37
p0 0.9584 ± 0.001758
p1 2.8e-06 ± 8.179e-07
1.35
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
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60000
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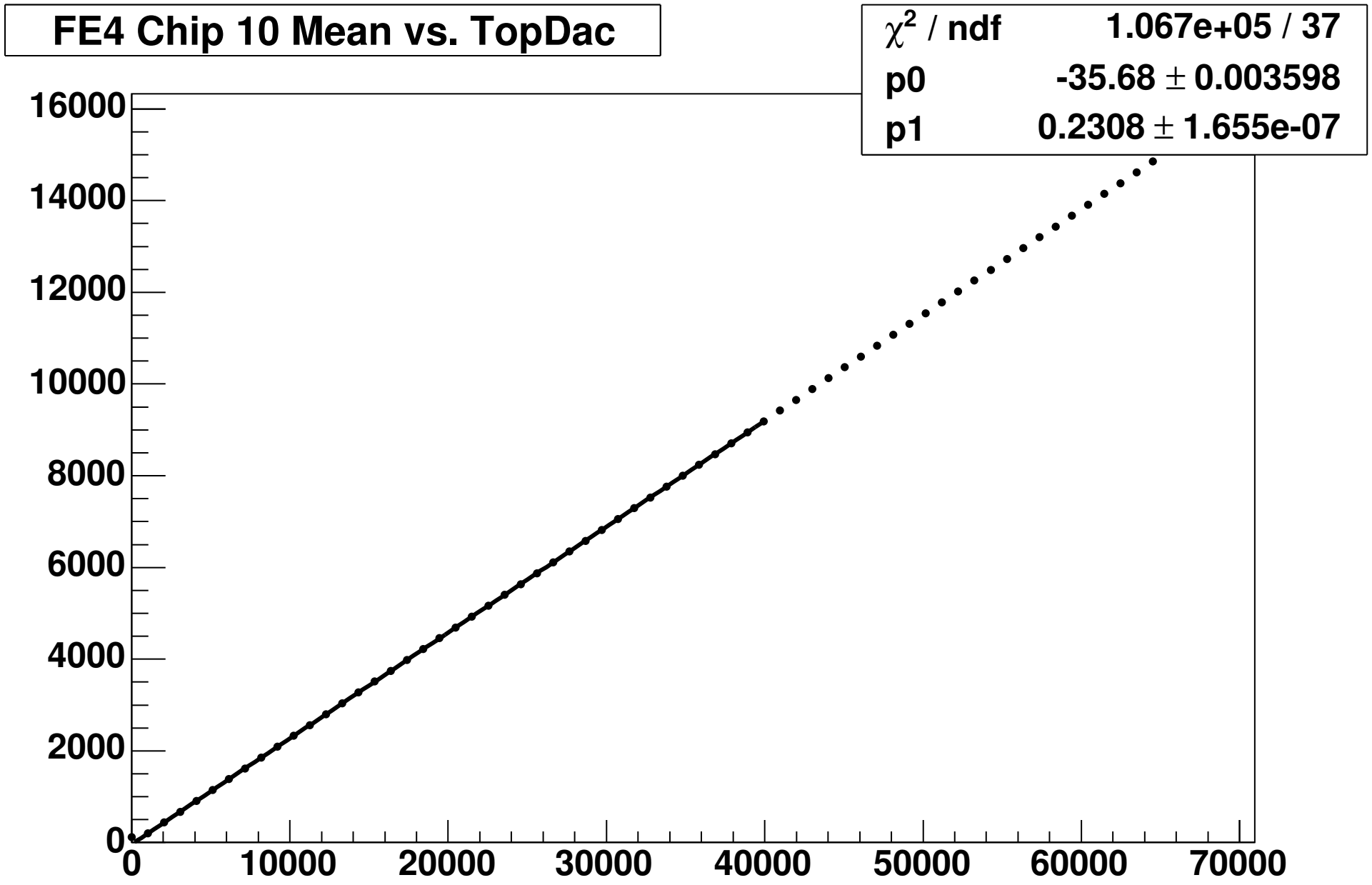
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 1.067e+05 / 37
p0 -35.68 ± 0.003598
p1 0.2308 ± 1.655e-07
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12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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50000
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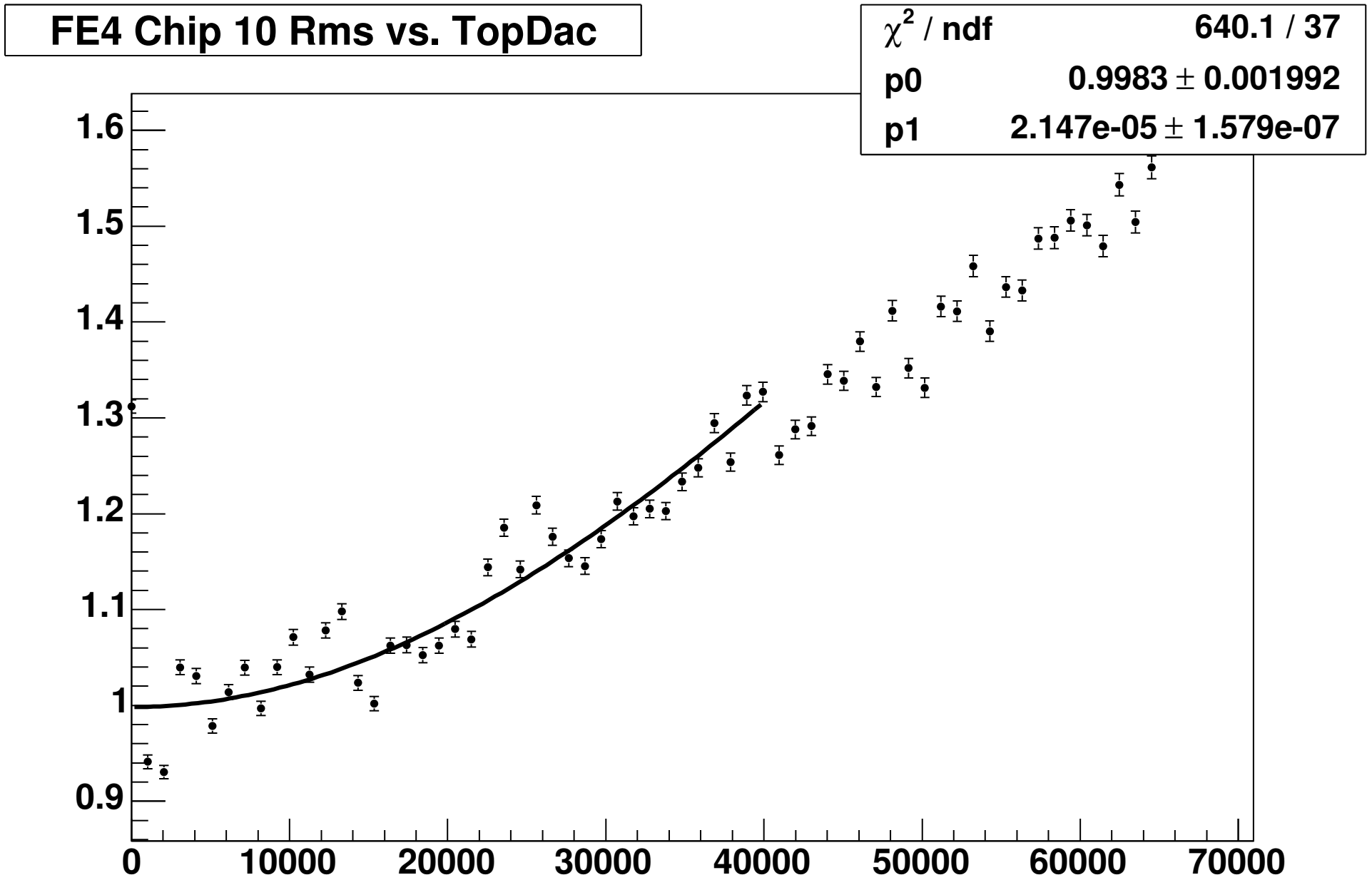
FE4 Chip 10 Rms vs. TopDac
χ² / ndf 640.1 / 37
p0 0.9983 ± 0.001992
p1 2.147e-05 ± 1.579e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
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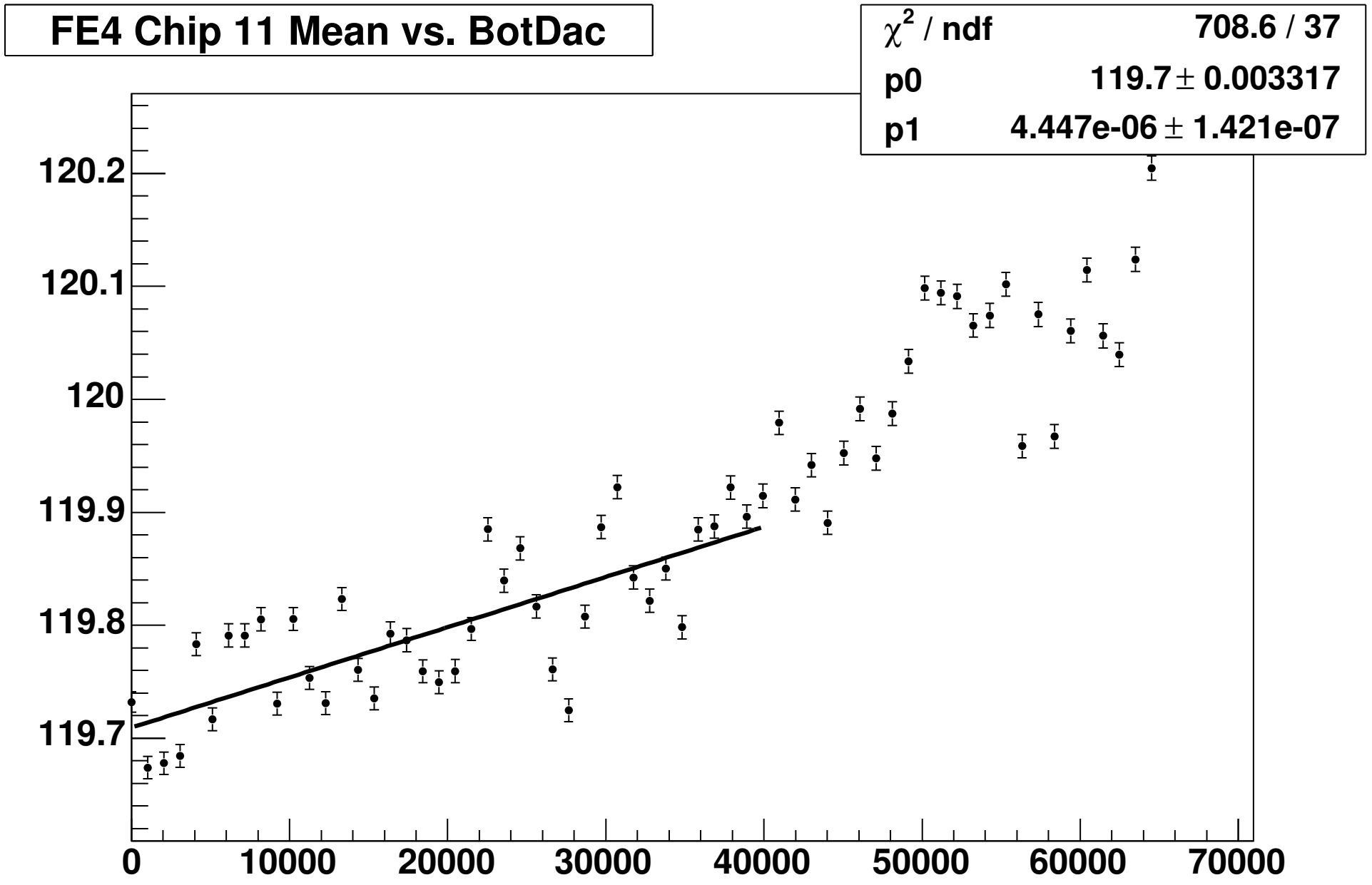
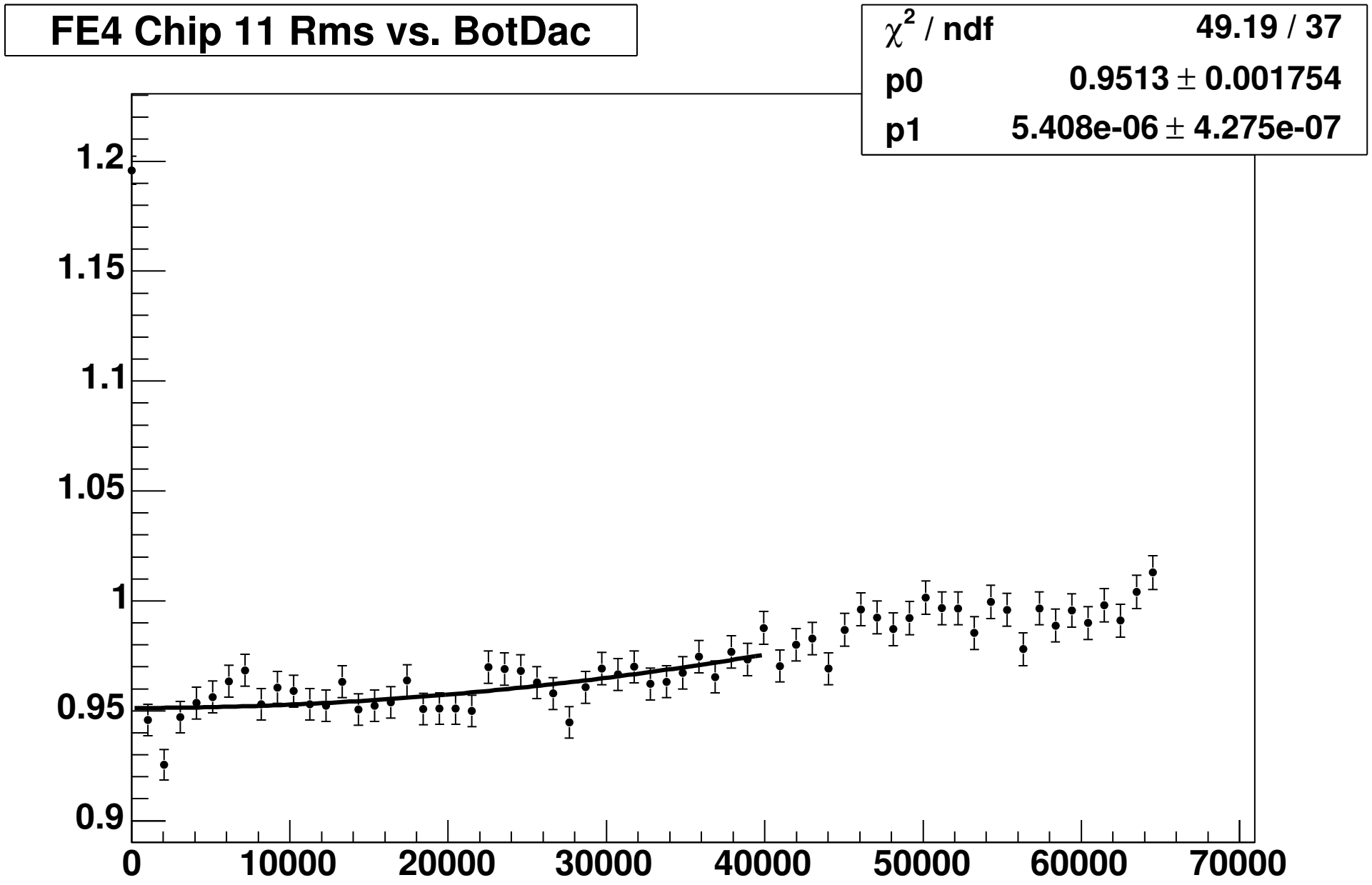

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 708.6 / 37
p0 119.7 ± 0.003317
p1 4.447e-06 ± 1.421e-07
120.2
120.1
120
119.9
119.8
119.7
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 49.19 / 37
p0 0.9513 ± 0.001754
p1 5.408e-06 ± 4.275e-07
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
30000
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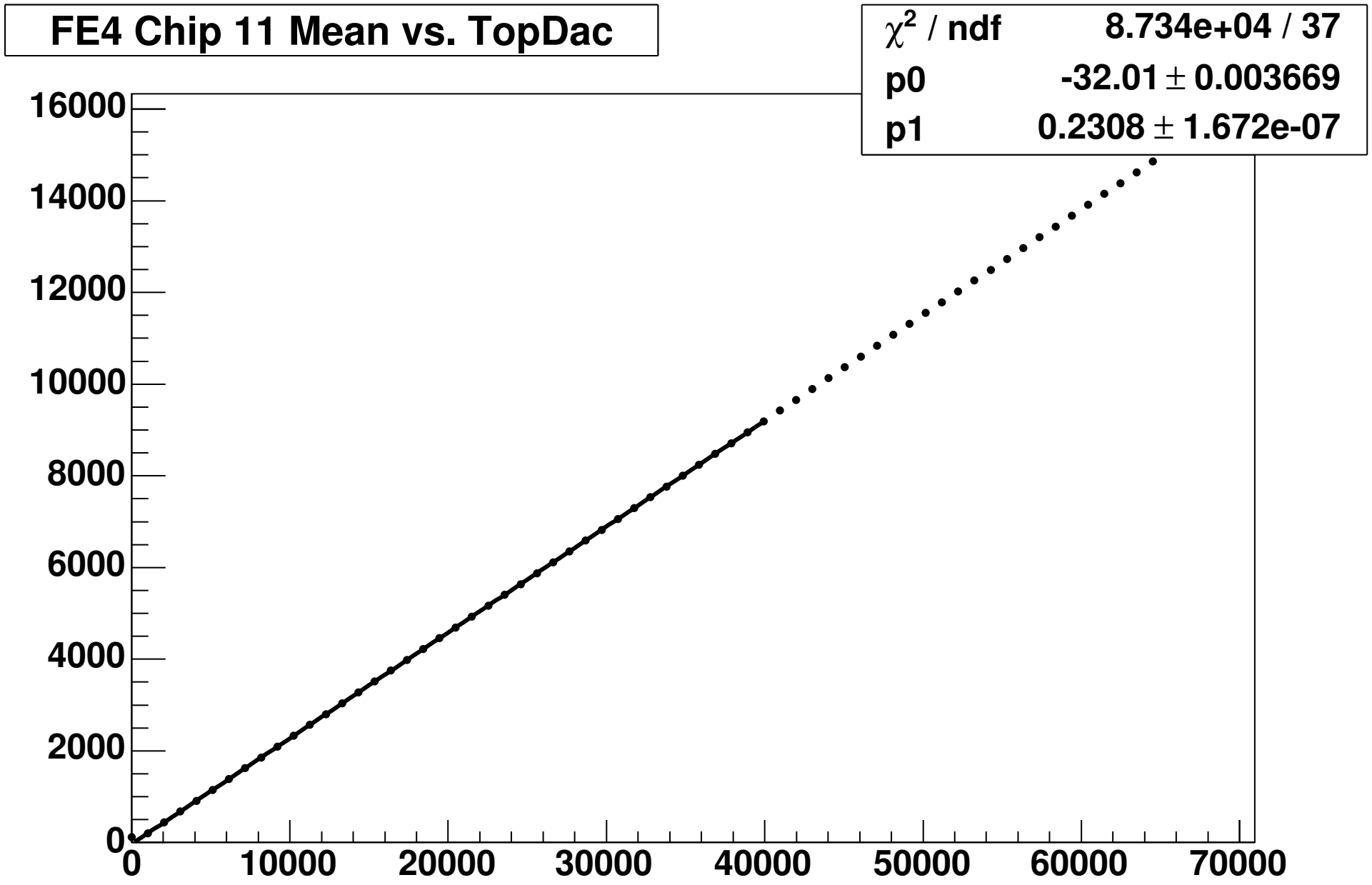
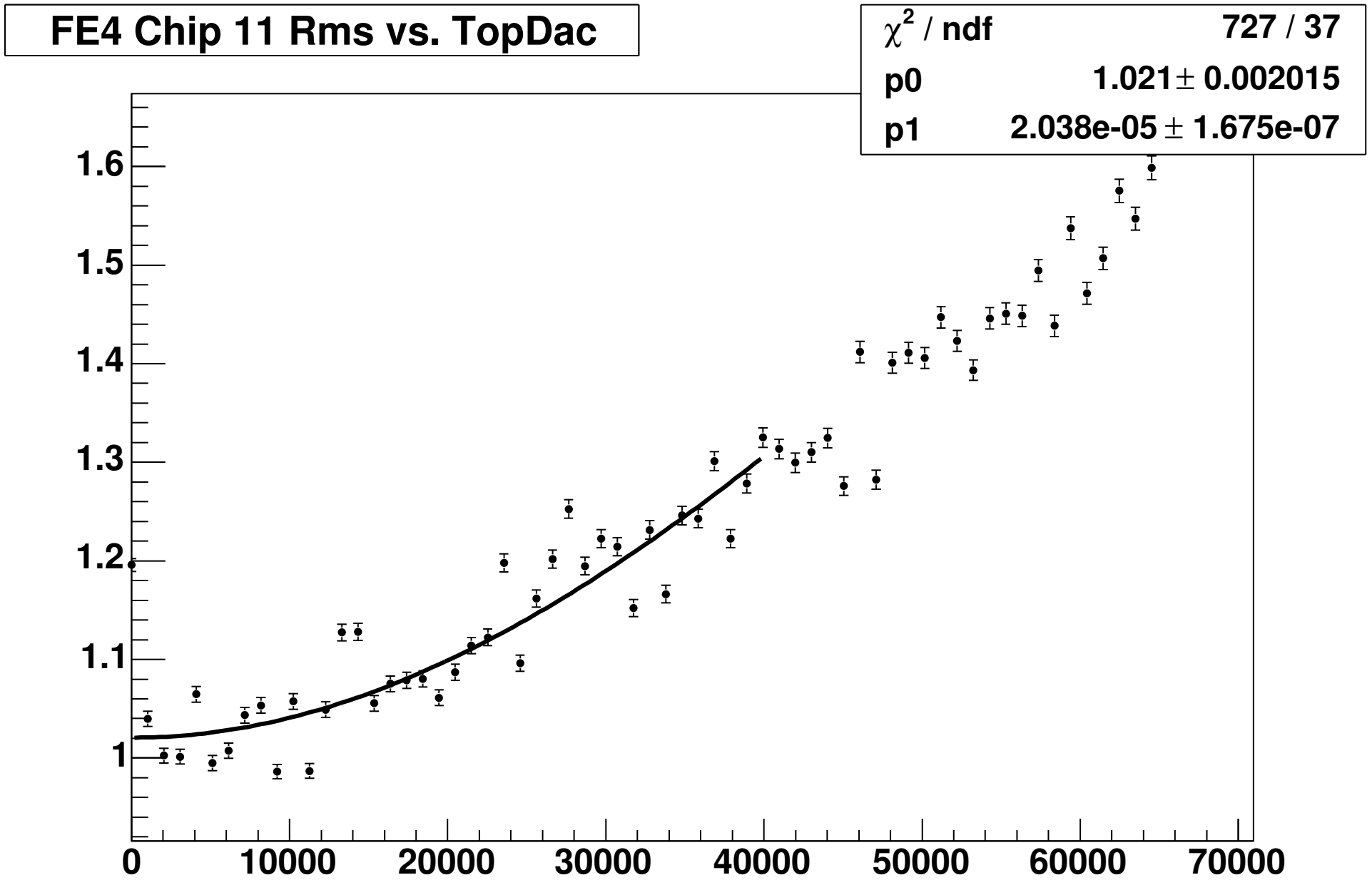
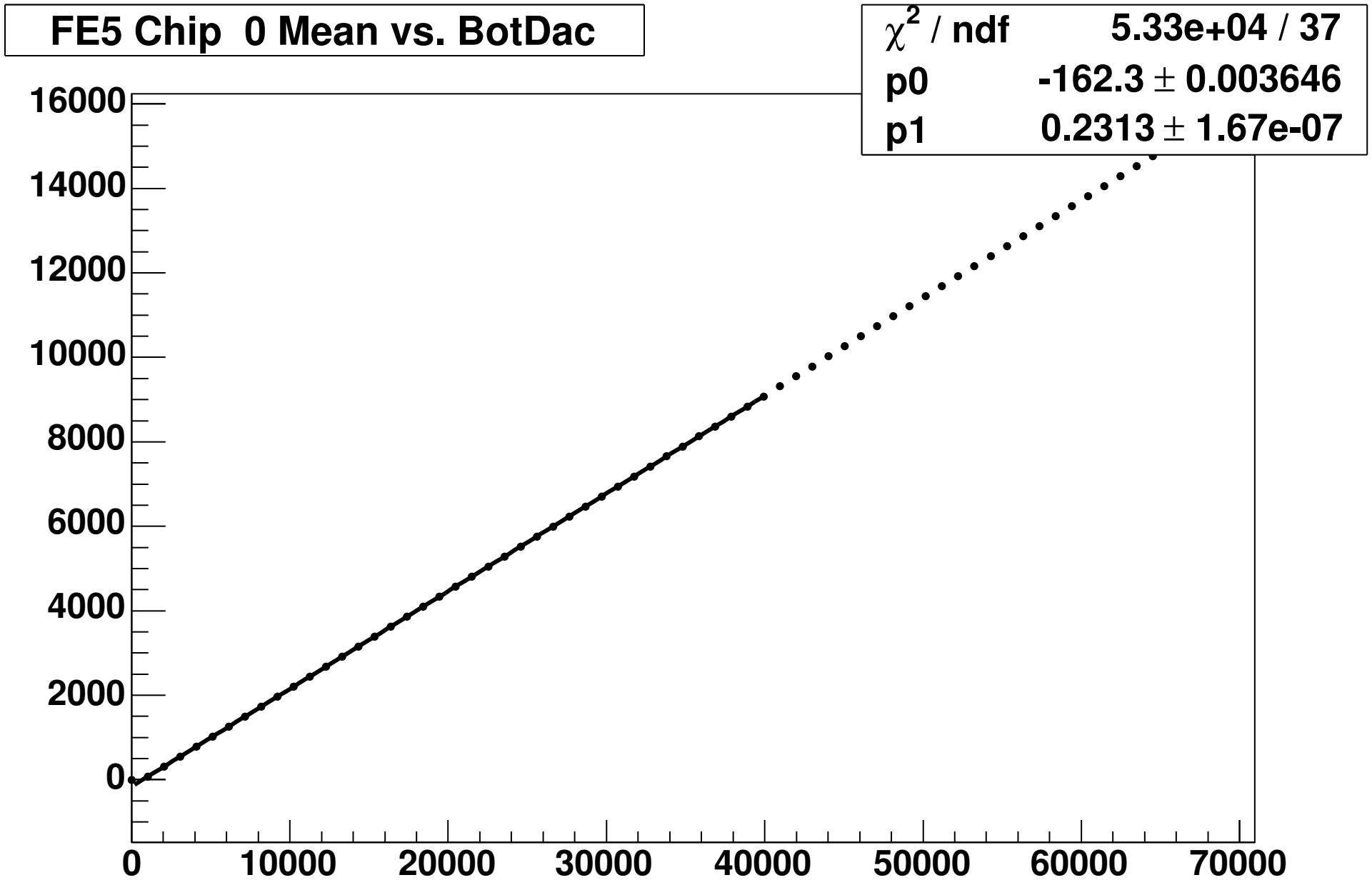
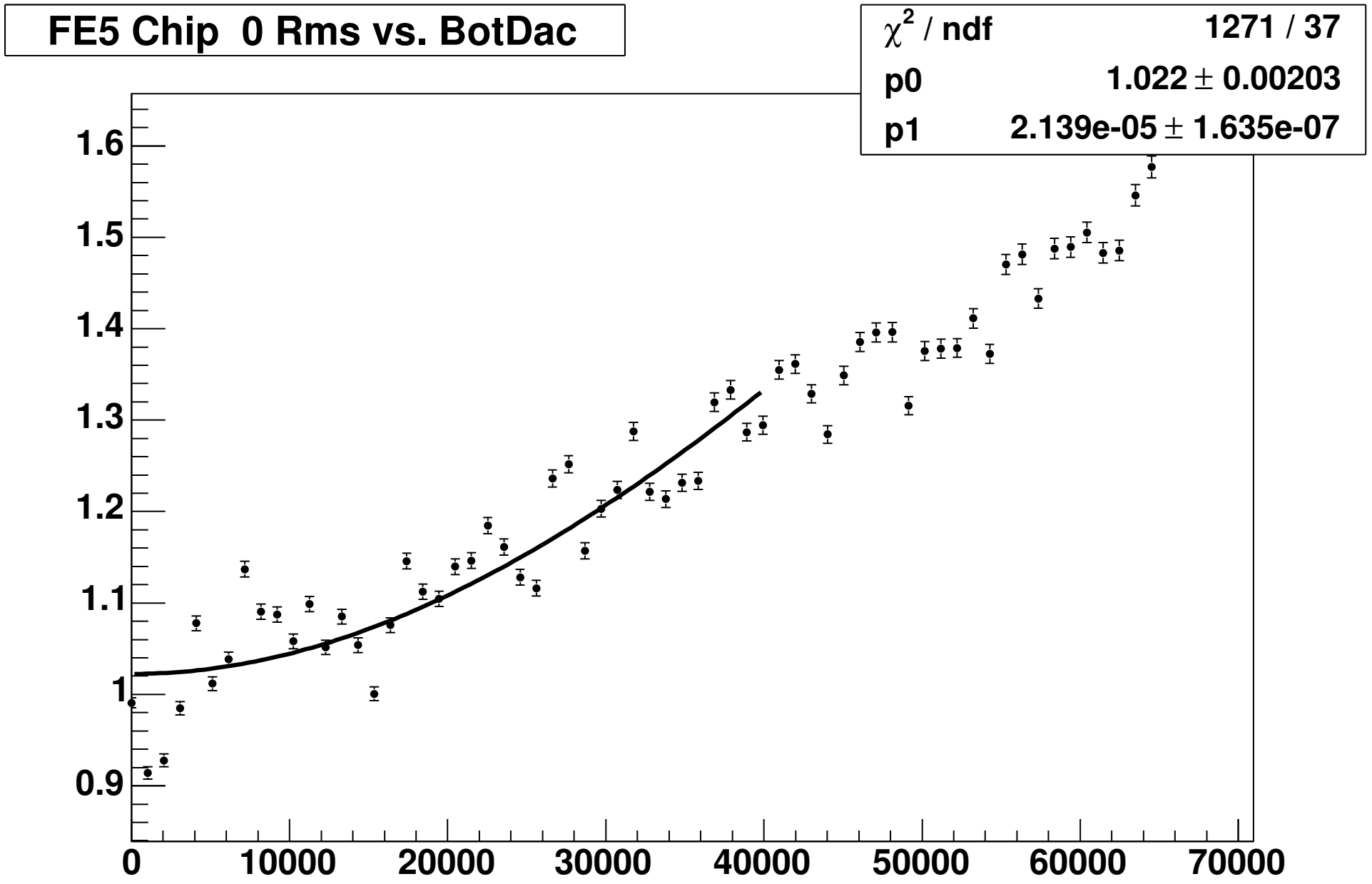
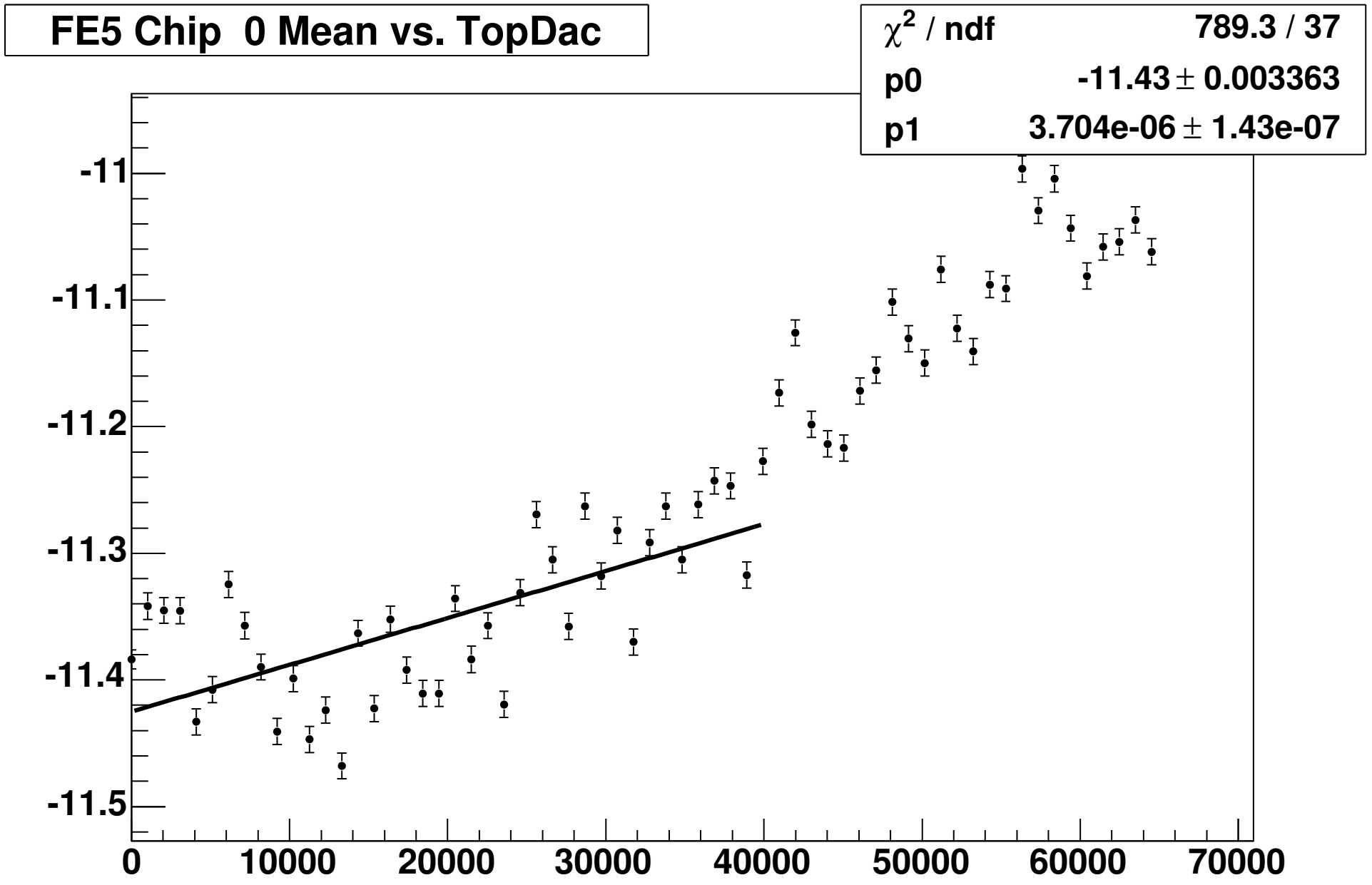
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 8.734e+04 / 37
p0 -32.01 ± 0.003669
p1 0.2308 ± 1.672e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 727 / 37
p0 1.021 ± 0.002015
p1 2.038e-05 ± 1.675e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 5.33e+04 / 37
p0 -162.3 ± 0.003646
p1 0.2313 ± 1.67e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1271 / 37
p0 1.022 ± 0.00203
p1 2.139e-05 ± 1.635e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 789.3 / 37
p0 -11.43 ± 0.003363
p1 3.704e-06 ± 1.43e-07
-11
-11.1
-11.2
-11.3
-11.4
-11.5
0
10000
20000
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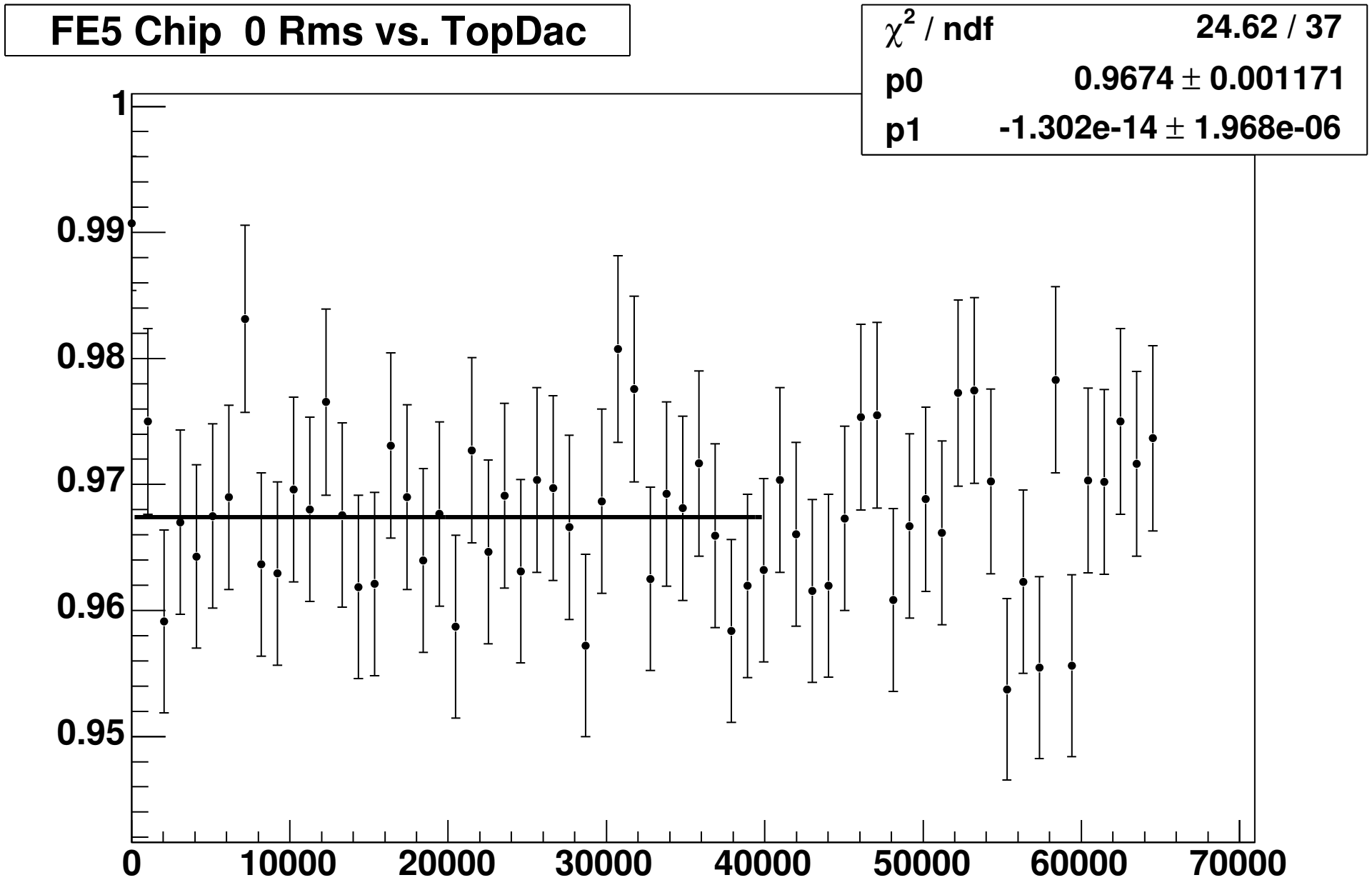
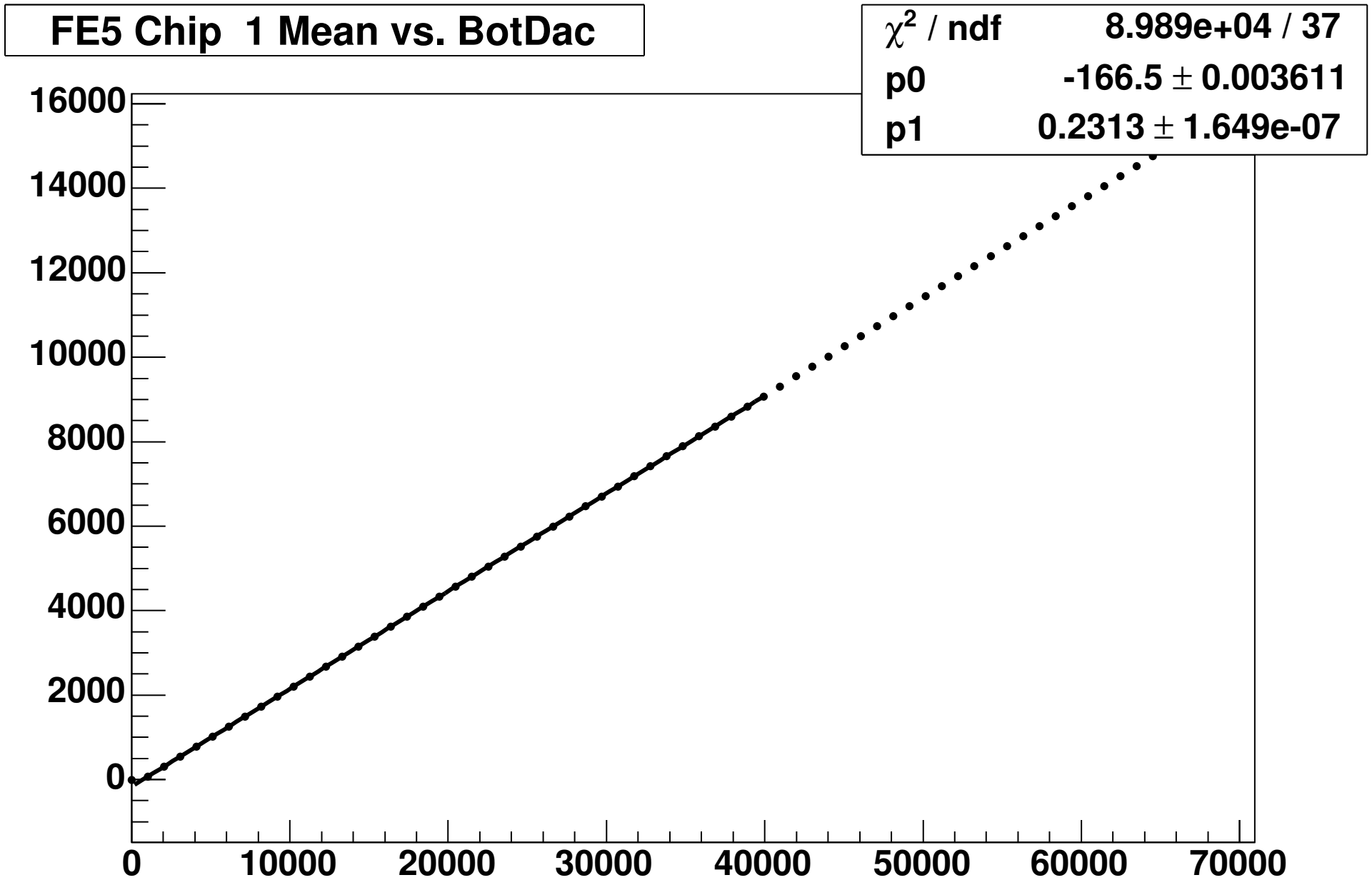
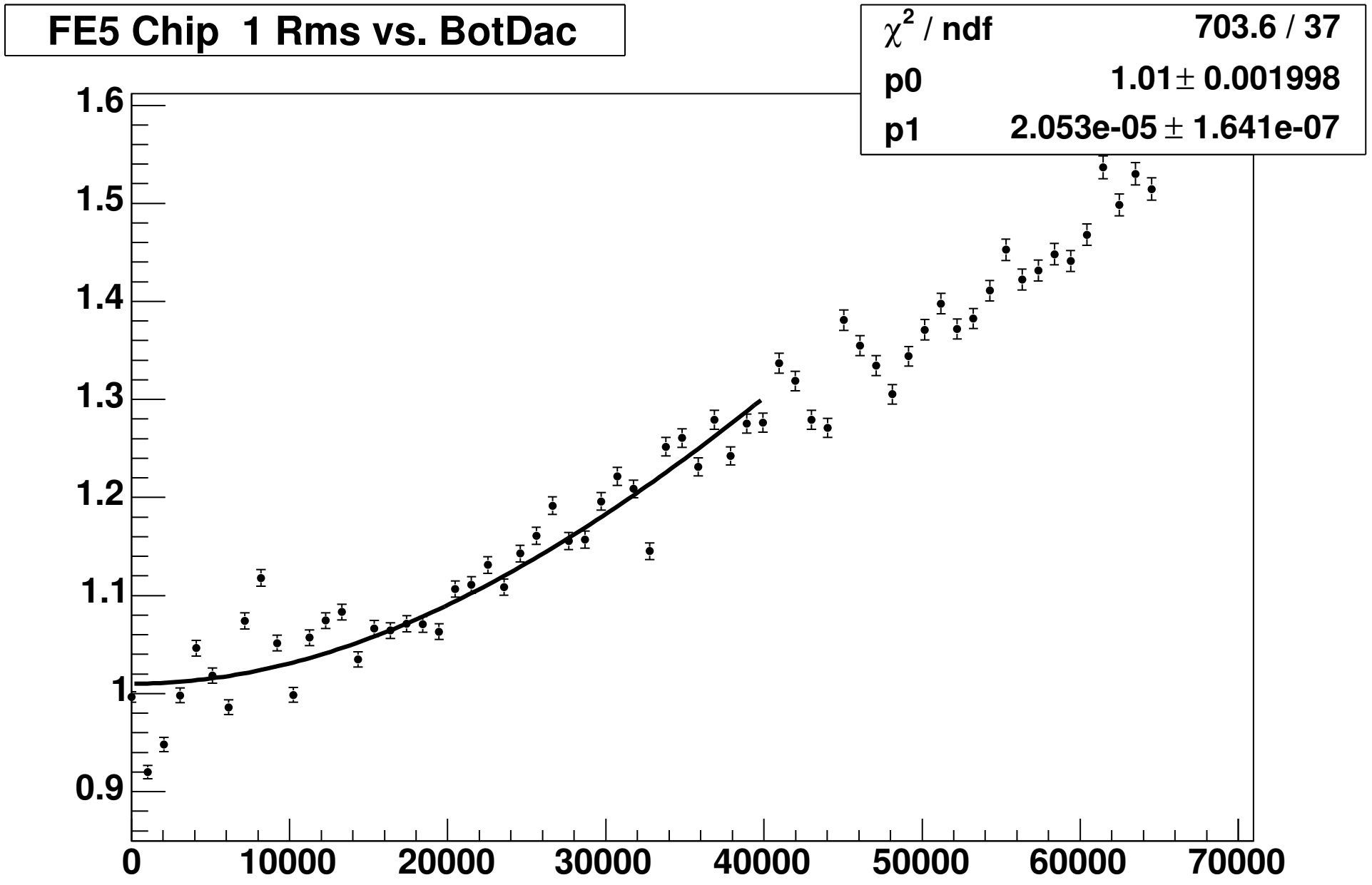
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 24.62 / 37
p0 0.9674 ± 0.001171
p1 -1.302e-14 ± 1.968e-06
1
0.99
0.98
0.97
0.96
0.95
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 8.989e+04 / 37
p0 -166.5 ± 0.003611
p1 0.2313 ± 1.649e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 703.6 / 37
p0 1.01 ± 0.001998
p1 2.053e-05 ± 1.641e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
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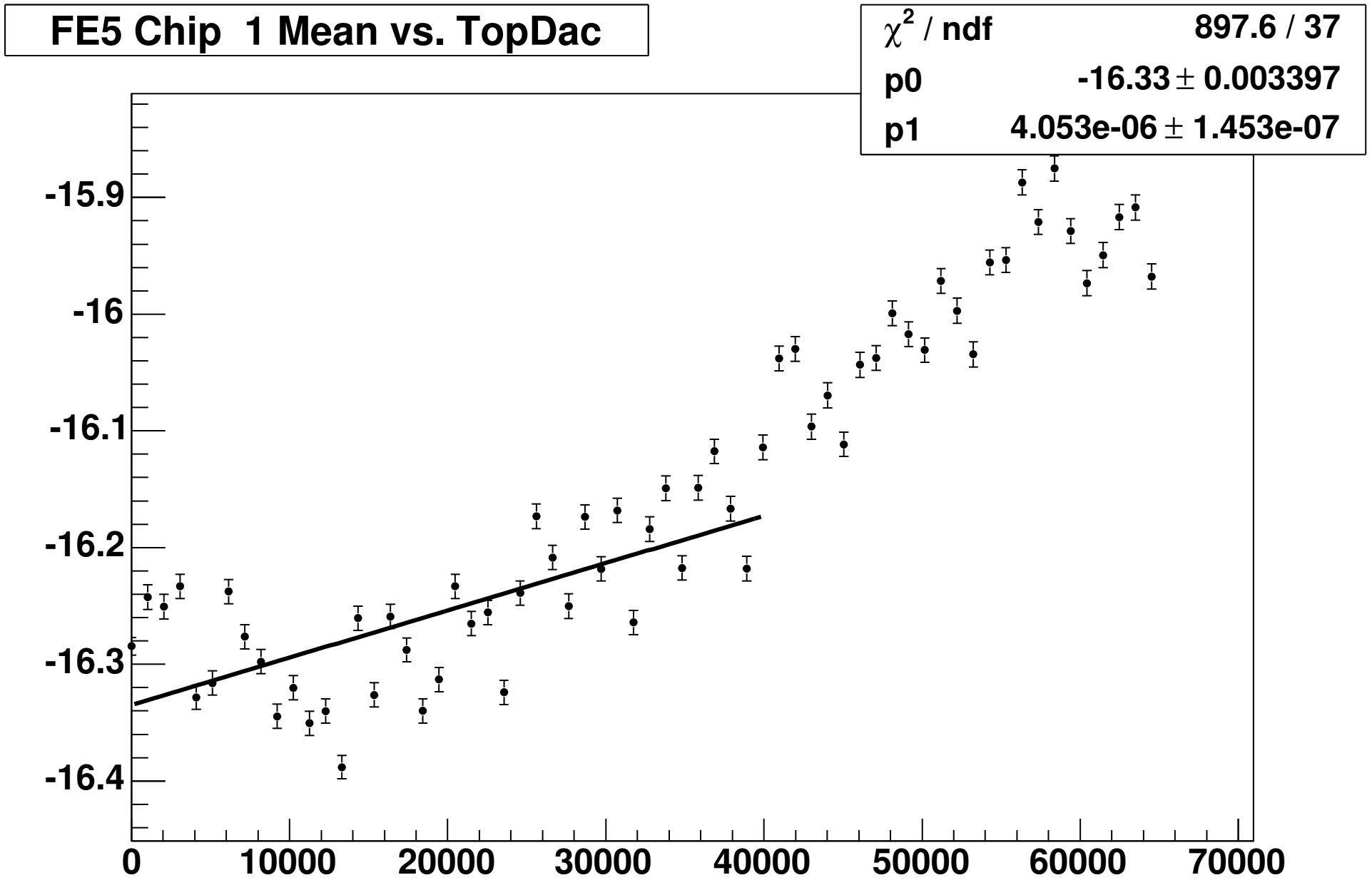
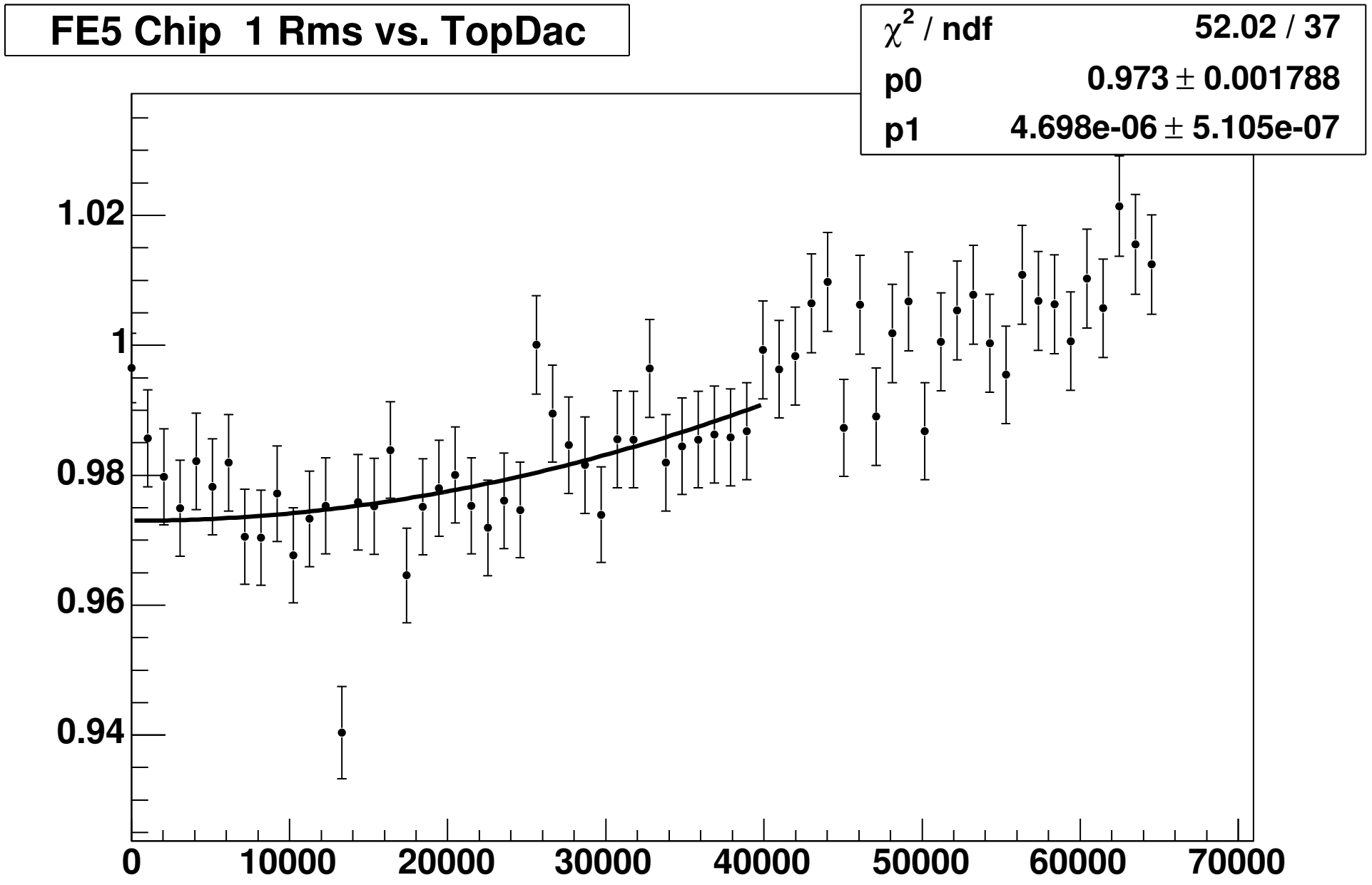
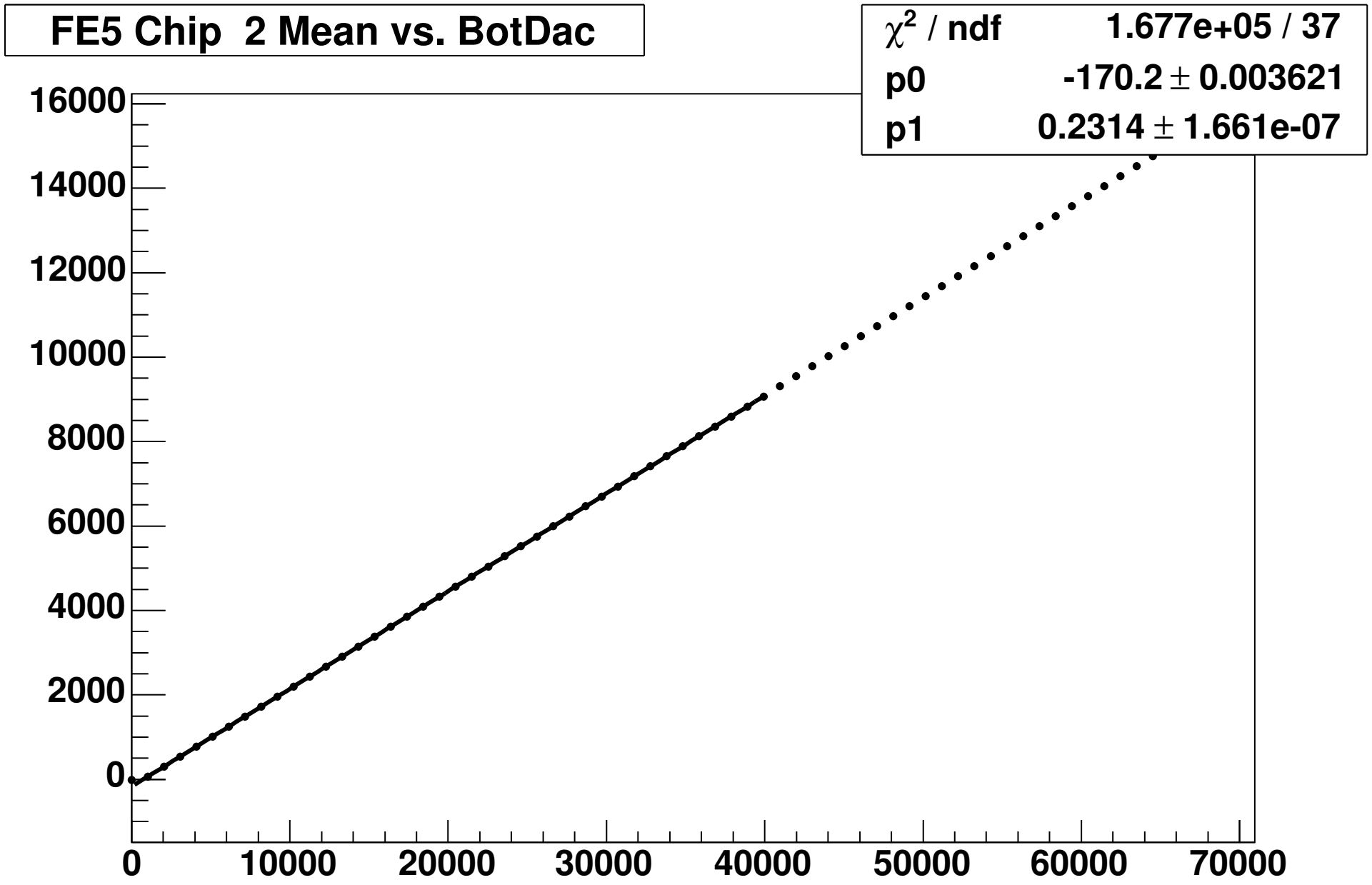
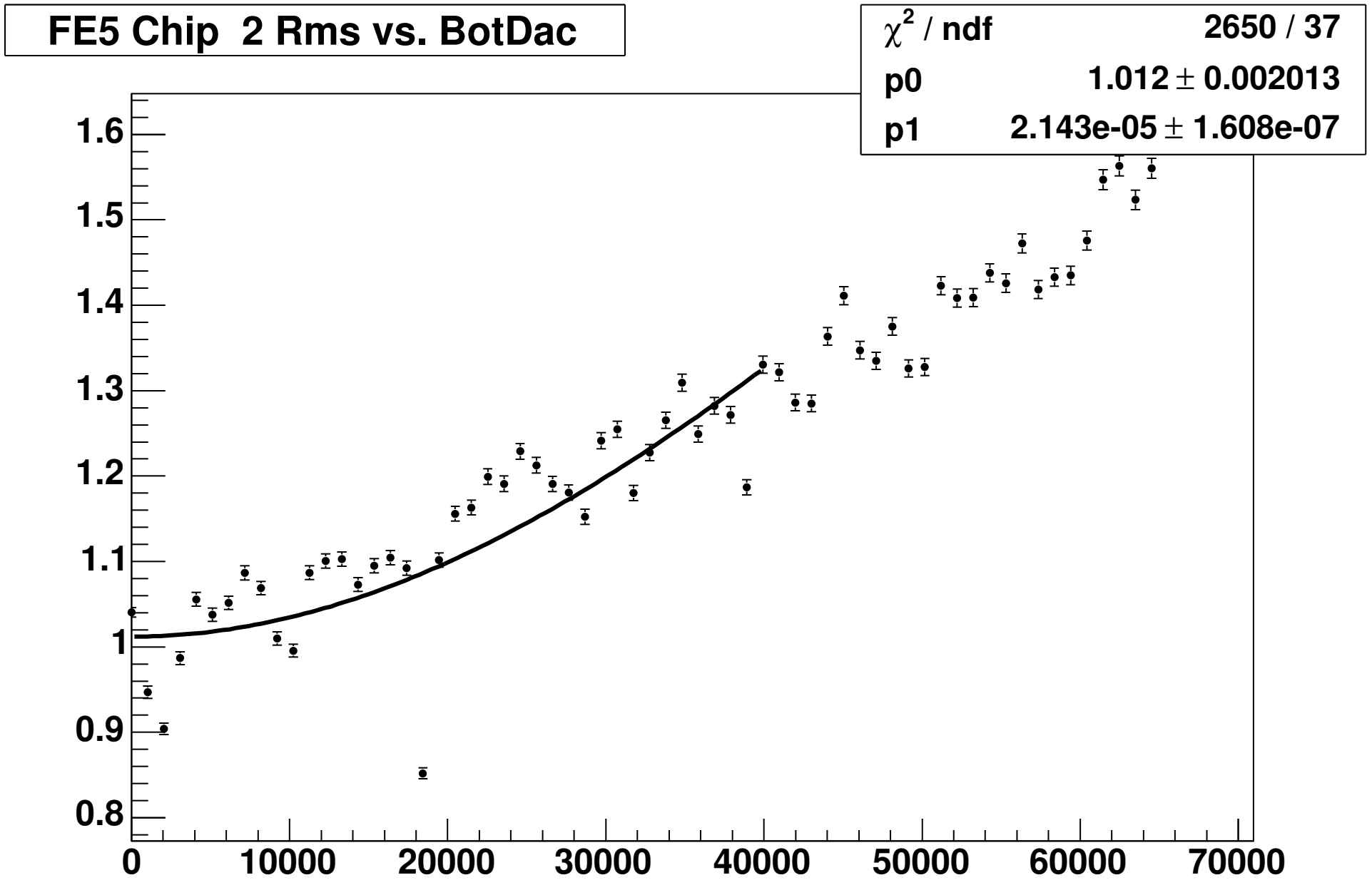
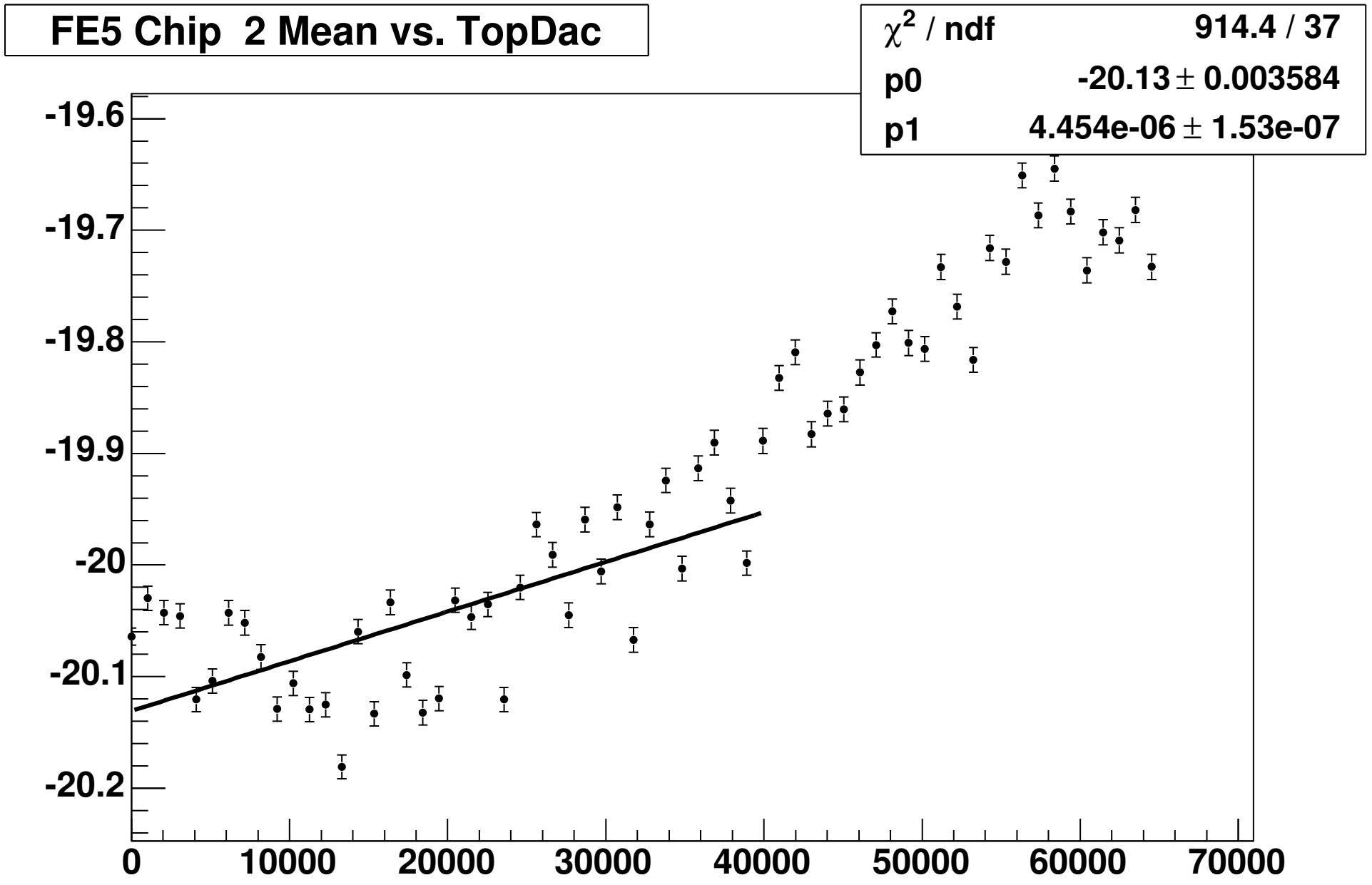
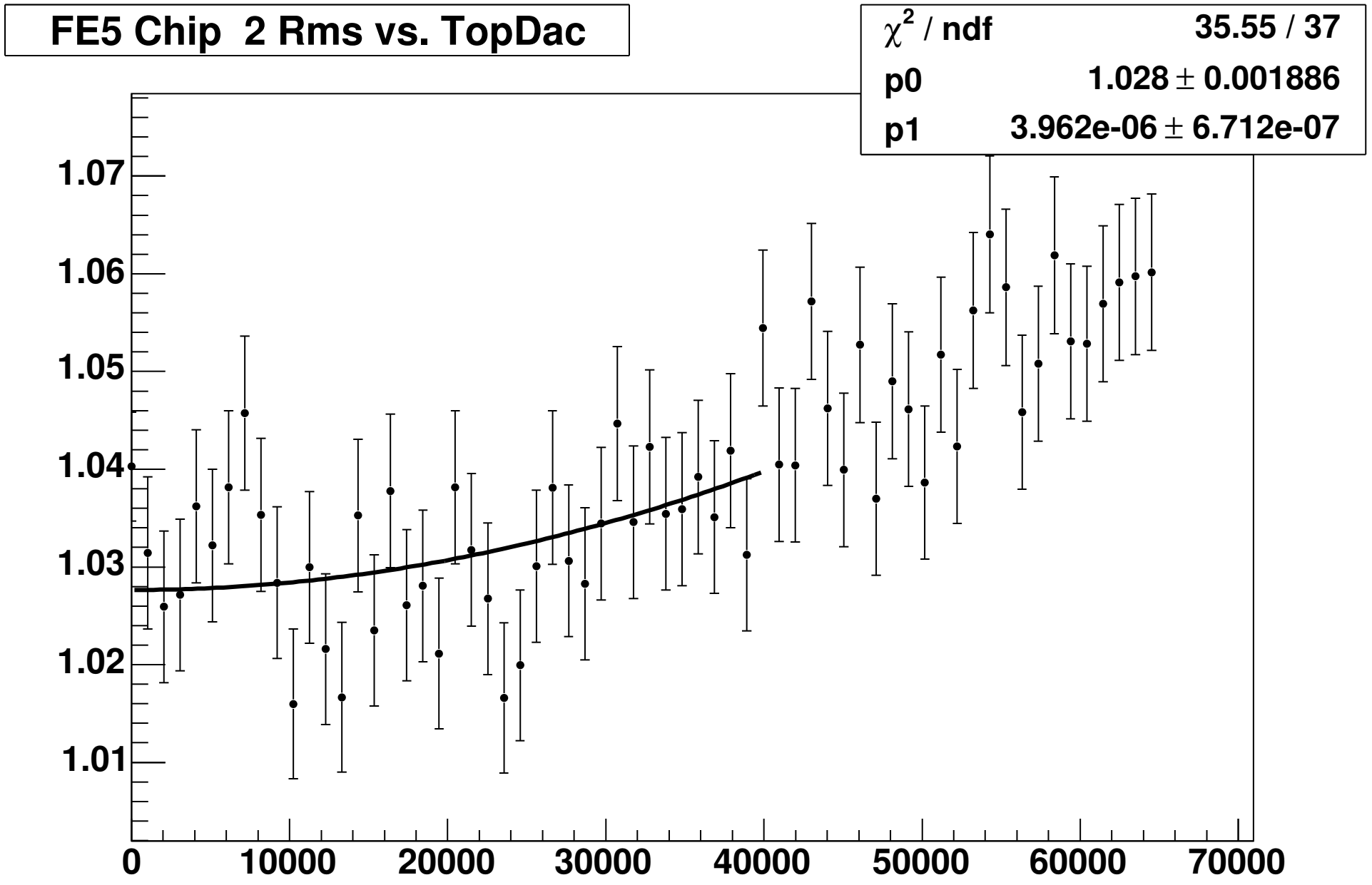

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 897.6 / 37
p0 -16.33 ± 0.003397
p1 4.053e-06 ± 1.453e-07
-15.9
-16
-16.1
-16.2
-16.3
-16.4
0
10000
20000
30000
40000
50000
60000
70000

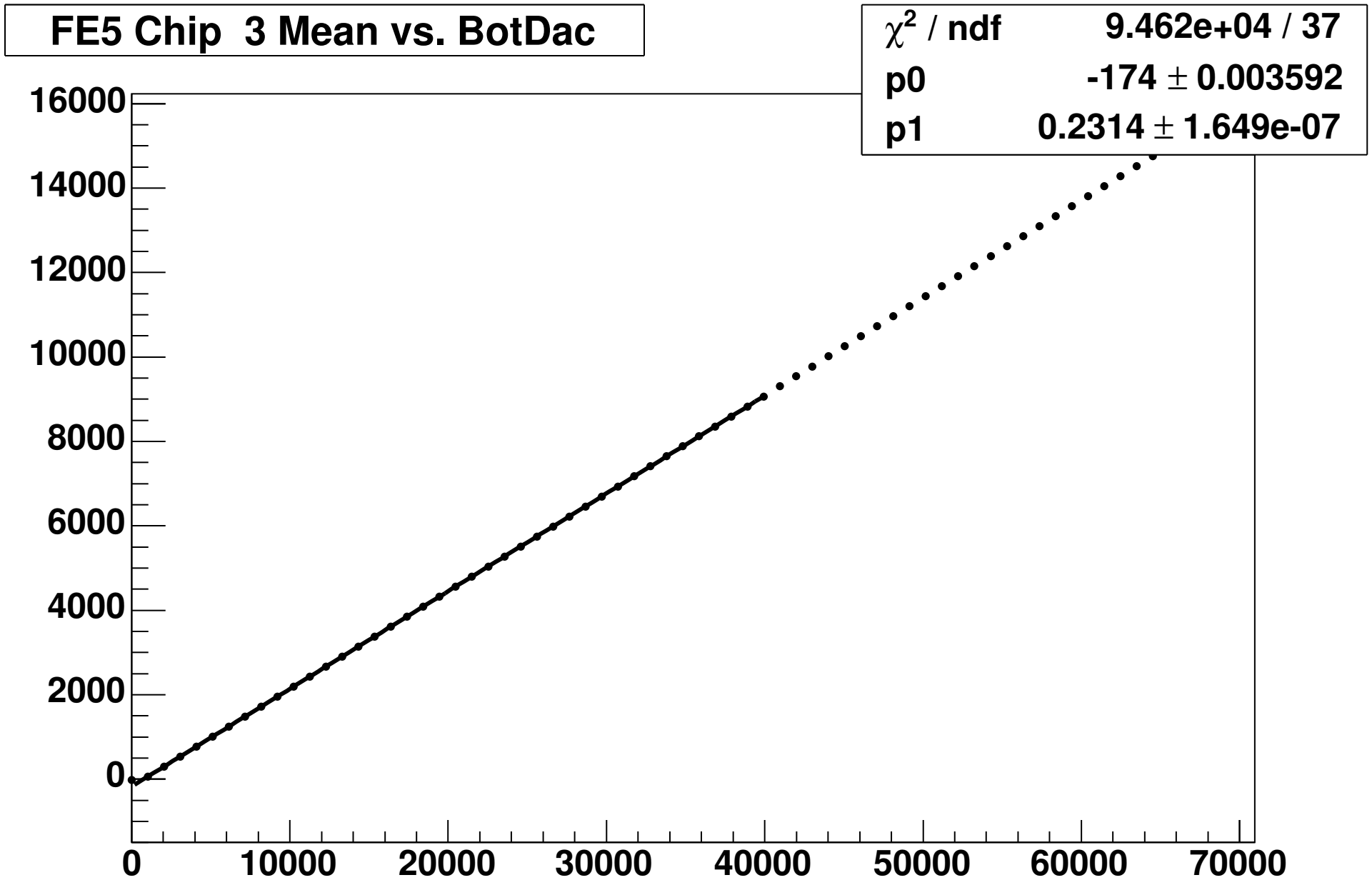

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 52.02 / 37
p0 0.973 ± 0.001788
p1 4.698e-06 ± 5.105e-07
1.02
1
0.98
0.96
0.94
0
10000
20000
30000
40000
50000
60000
70000

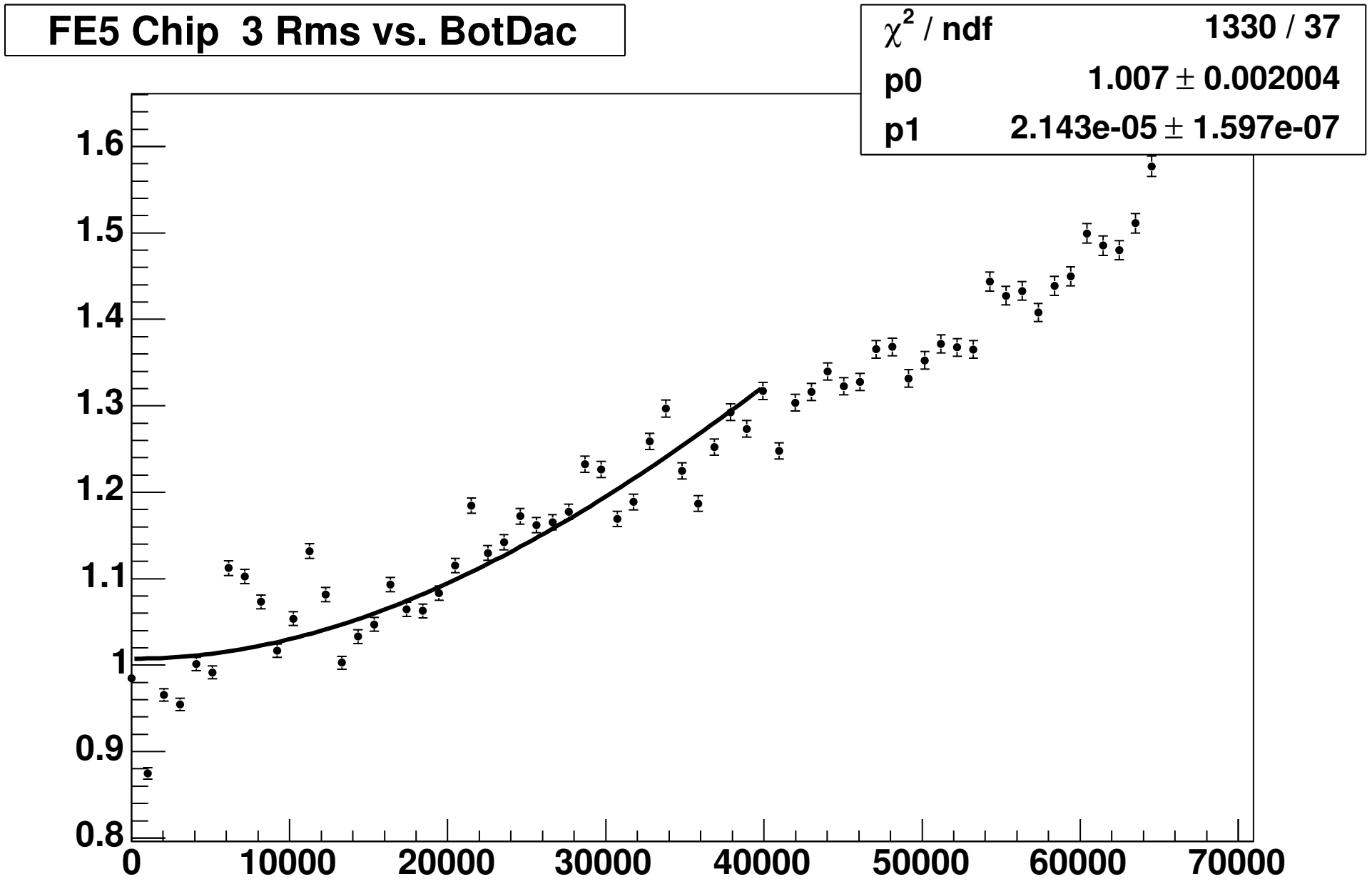

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.677e+05 / 37
p0 -170.2 ± 0.003621
p1 0.2314 ± 1.661e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

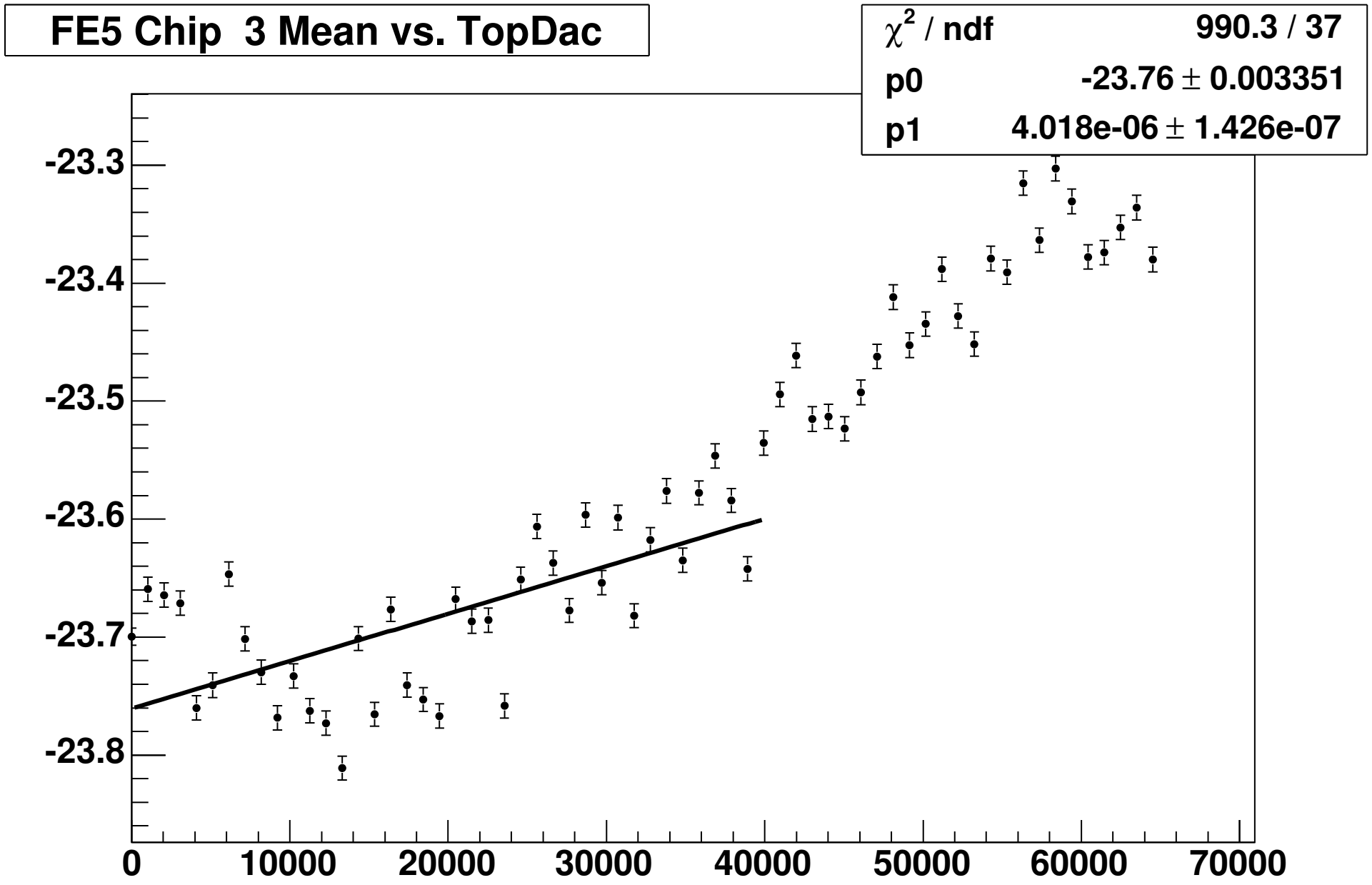

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 2650 / 37
p0 1.012 ± 0.002013
p1 2.143e-05 ± 1.608e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 914.4 / 37
p0 -20.13 ± 0.003584
p1 4.454e-06 ± 1.53e-07
-19.6
-19.7
-19.8
-19.9
-20
-20.1
-20.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 35.55 / 37
p0 1.028 ± 0.001886
p1 3.962e-06 ± 6.712e-07
1.07
1.06
1.05
1.04
1.03
1.02
1.01
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 9.462e+04 / 37
p0 -174 ± 0.003592
p1 0.2314 ± 1.649e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1330 / 37
p0 1.007 ± 0.002004
p1 2.143e-05 ± 1.597e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 990.3 / 37
p0 -23.76 ± 0.003351
p1 4.018e-06 ± 1.426e-07
-23.3
-23.4
-23.5
-23.6
-23.7
-23.8
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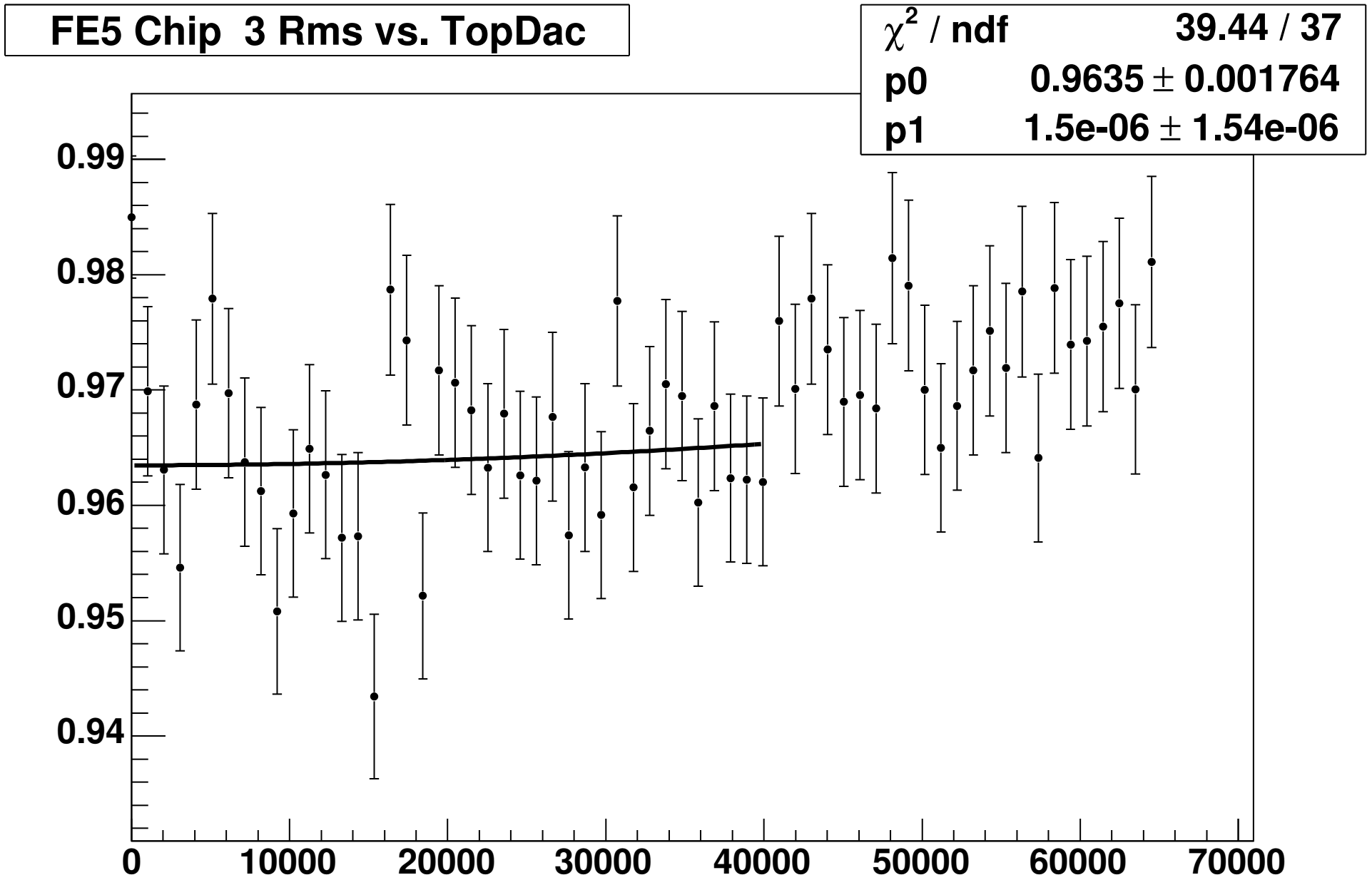
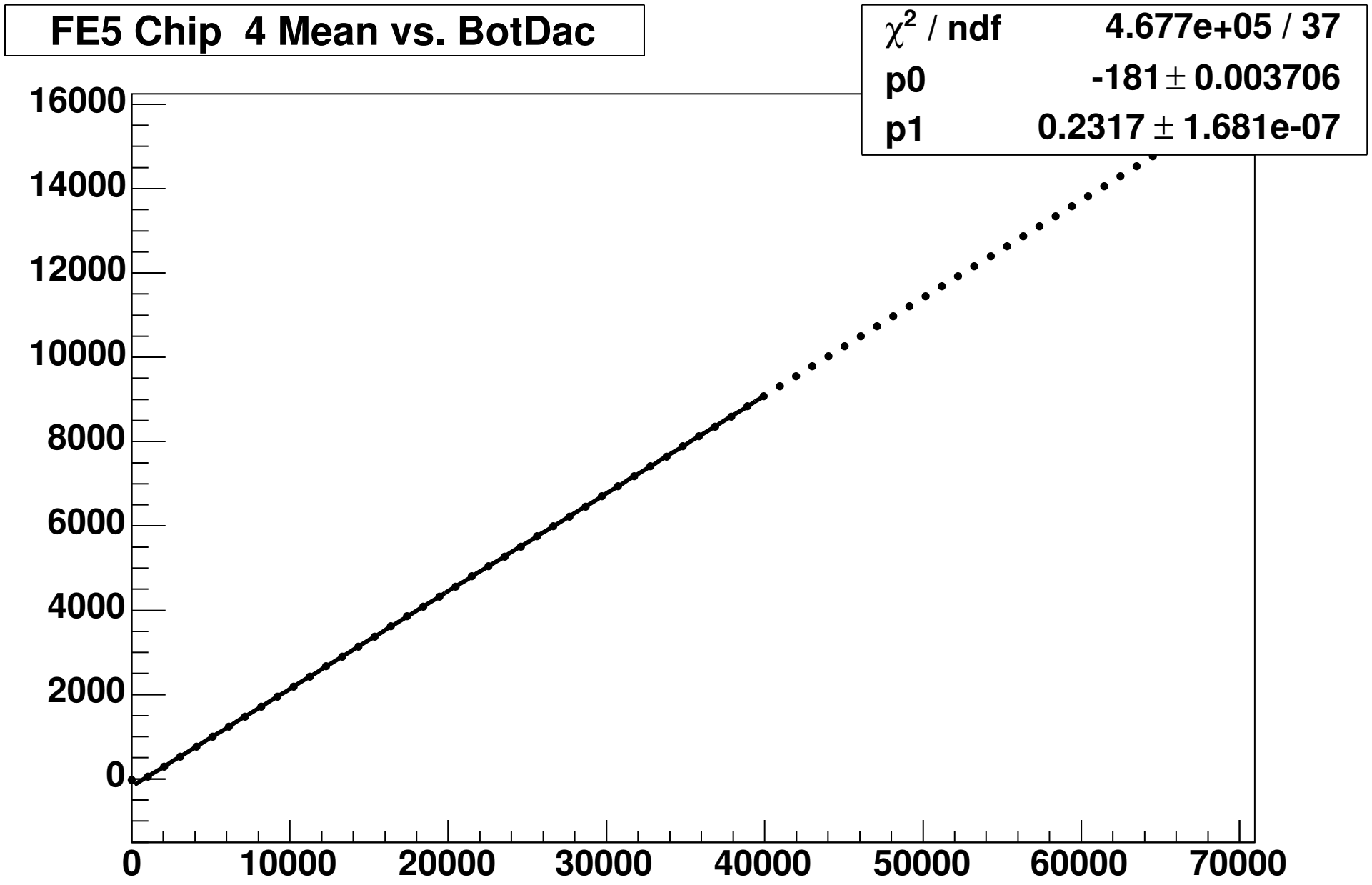
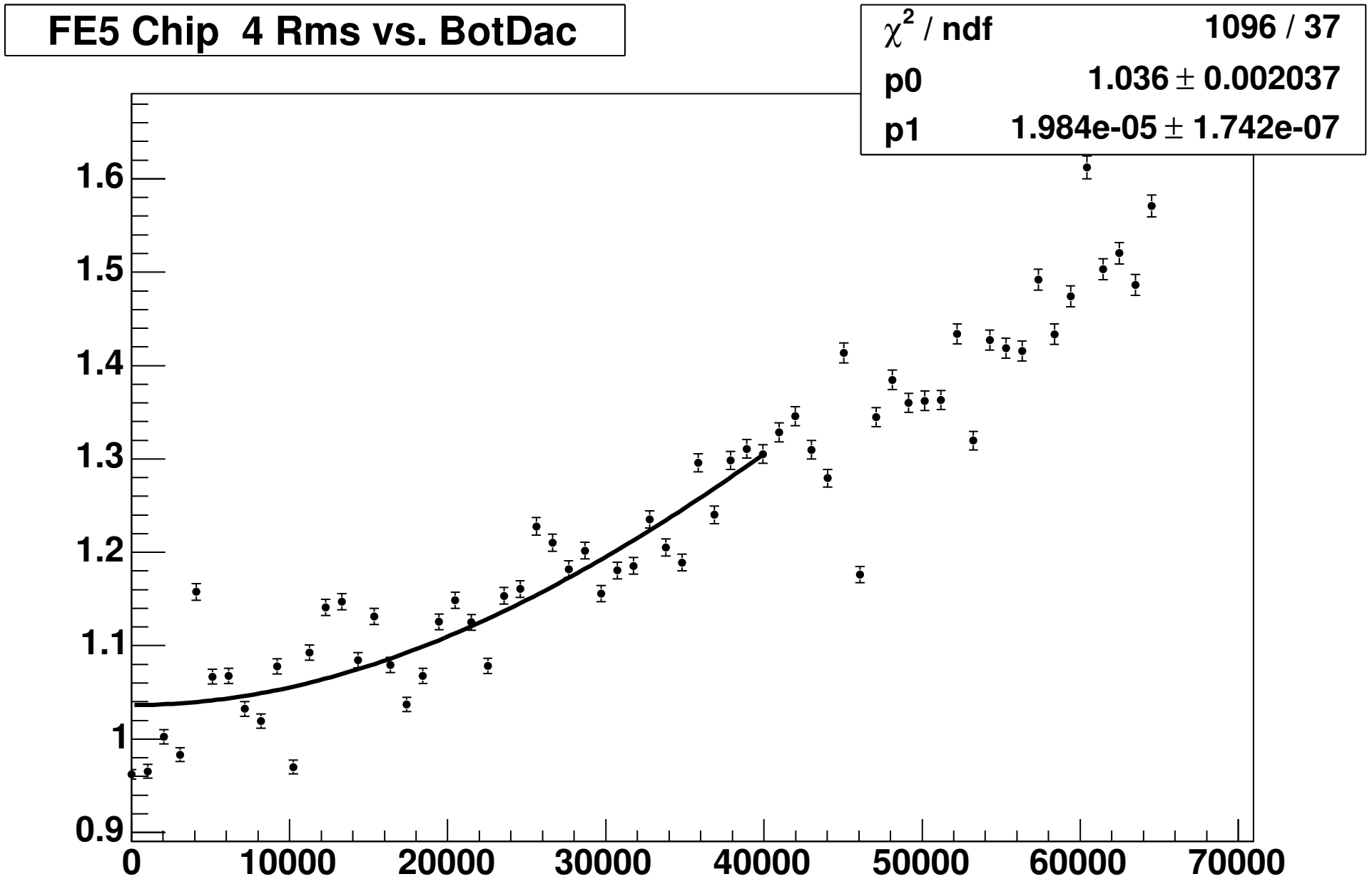

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 39.44 / 37
p0 0.9635 ± 0.001764
p1 1.5e-06 ± 1.54e-06
0.99
0.98
0.97
0.96
0.95
0.94
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 4.677e+05 / 37
p0 -181 ± 0.003706
p1 0.2317 ± 1.681e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 1096 / 37
p0 1.036 ± 0.002037
p1 1.984e-05 ± 1.742e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
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60000
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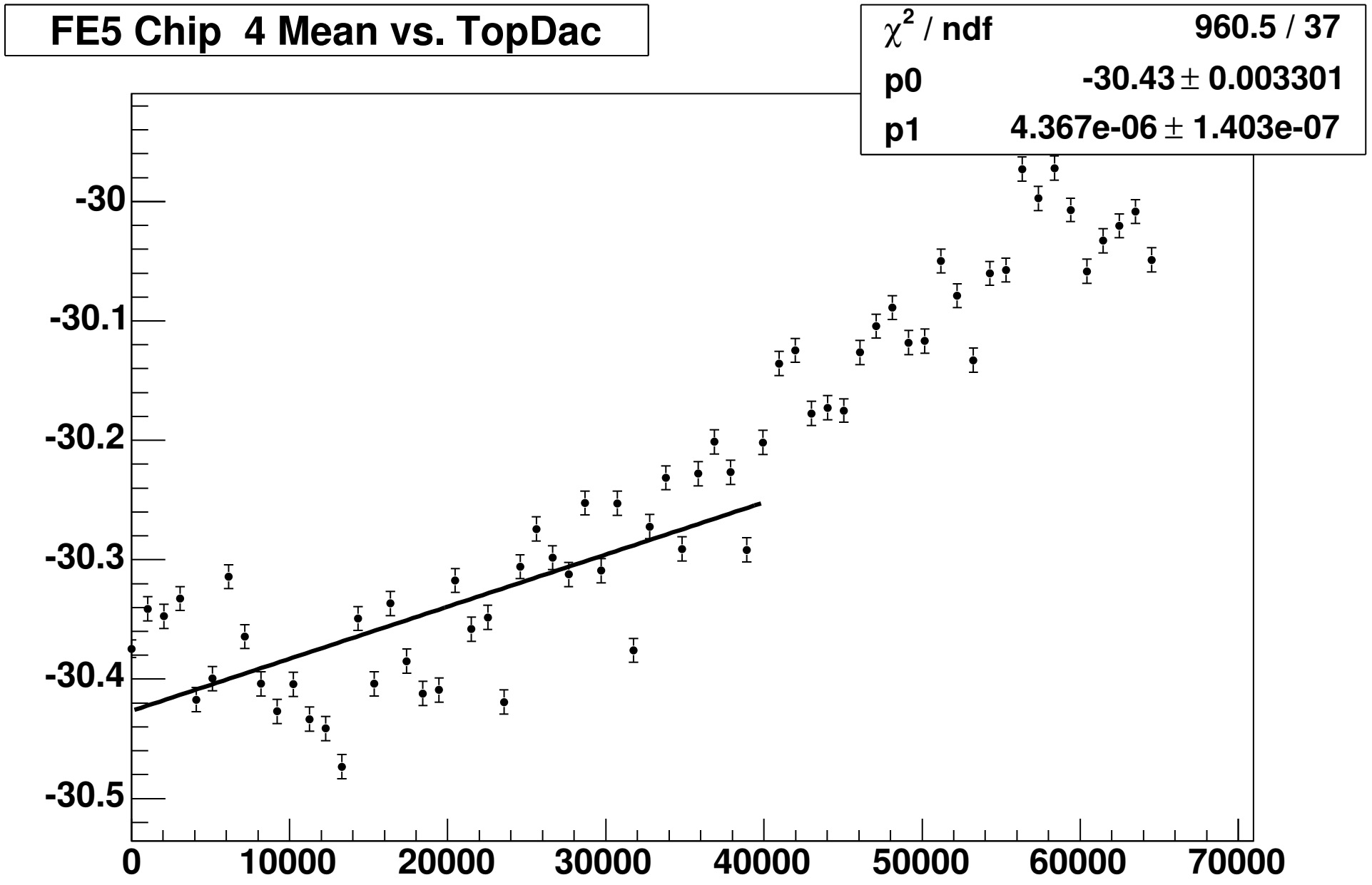
FE5 Chip 4 Mean vs. TopDac
χ² / ndf 960.5 / 37
p0 -30.43 ± 0.003301
p1 4.367e-06 ± 1.403e-07
-30
-30.1
-30.2
-30.3
-30.4
-30.5
0
10000
20000
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40000
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60000
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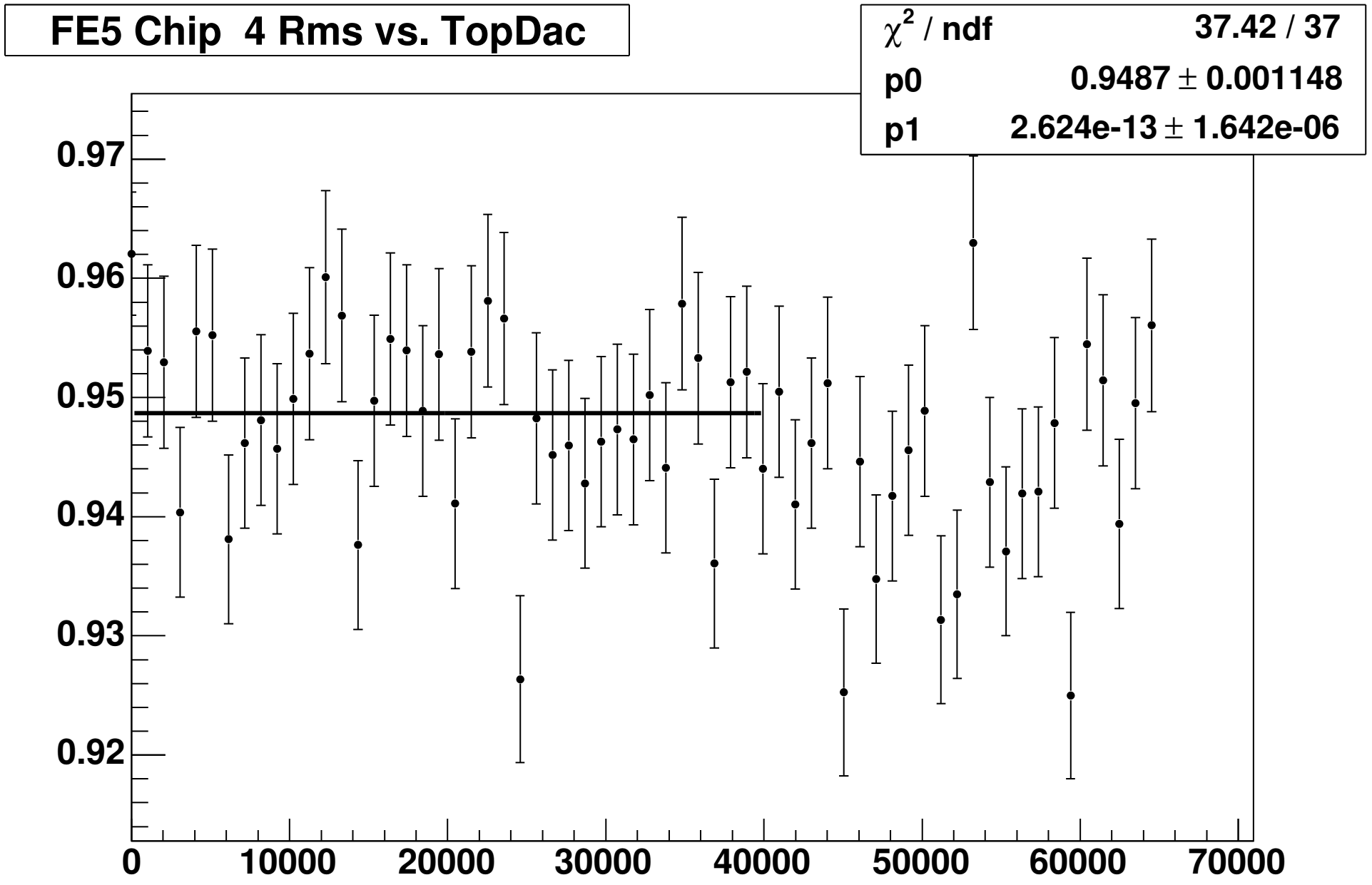
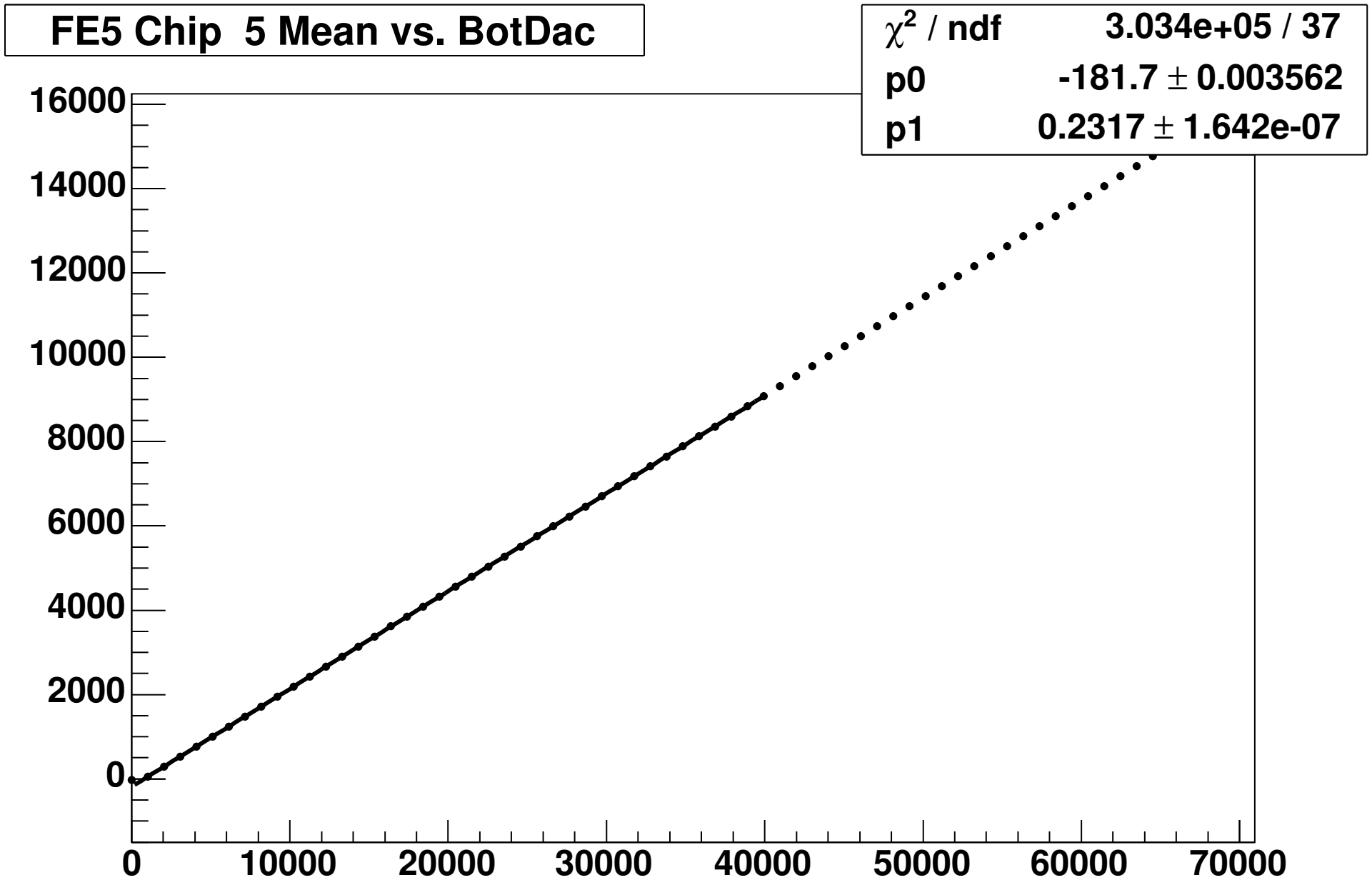
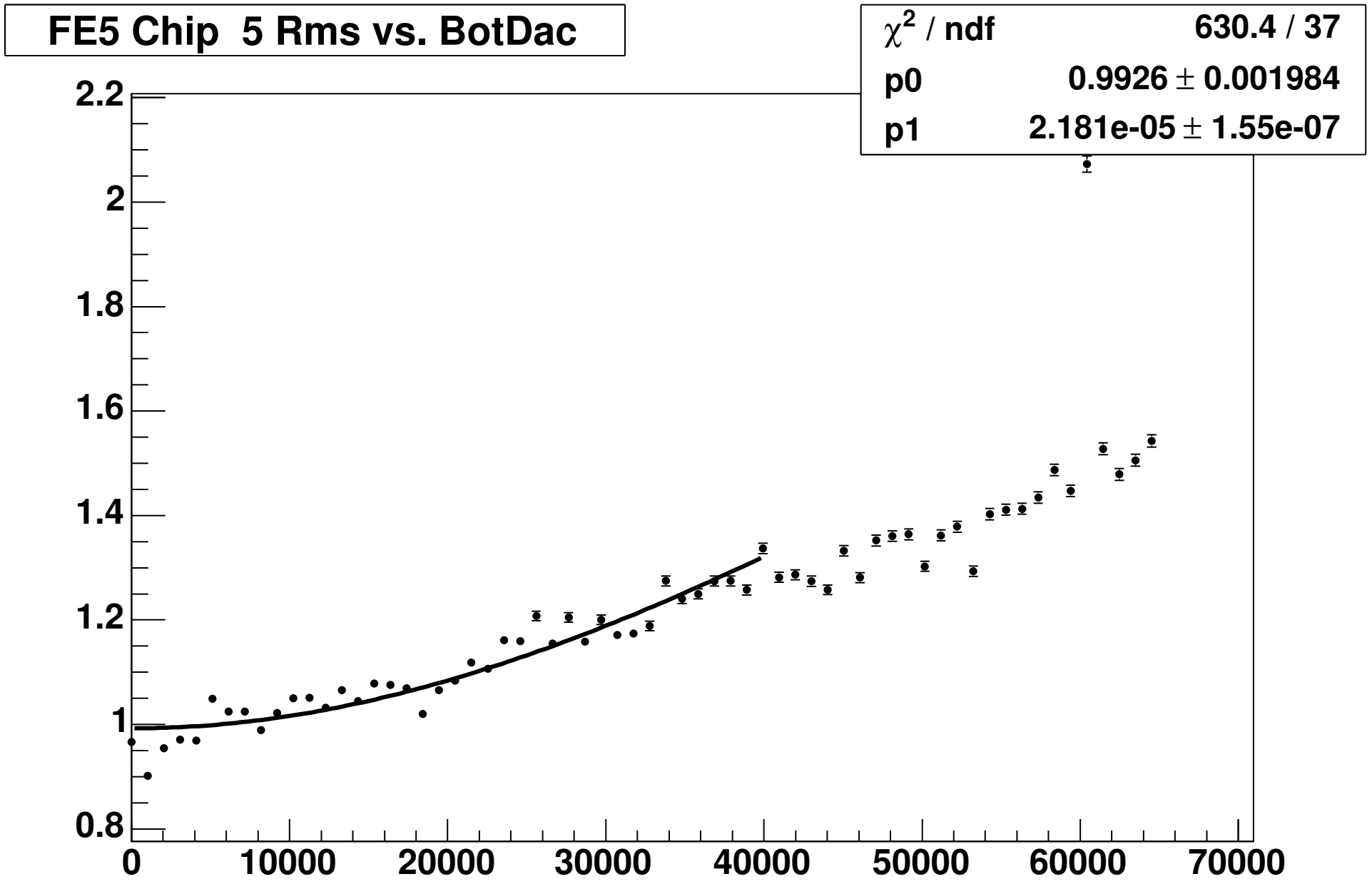

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 37.42 / 37
p0 0.9487 ± 0.001148
p1 2.624e-13 ± 1.642e-06
0.97
0.96
0.95
0.94
0.93
0.92
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 3.034e+05 / 37
p0 -181.7 ± 0.003562
p1 0.2317 ± 1.642e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 630.4 / 37
p0 0.9926 ± 0.001984
p1 2.181e-05 ± 1.55e-07
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0
10000
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30000
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60000
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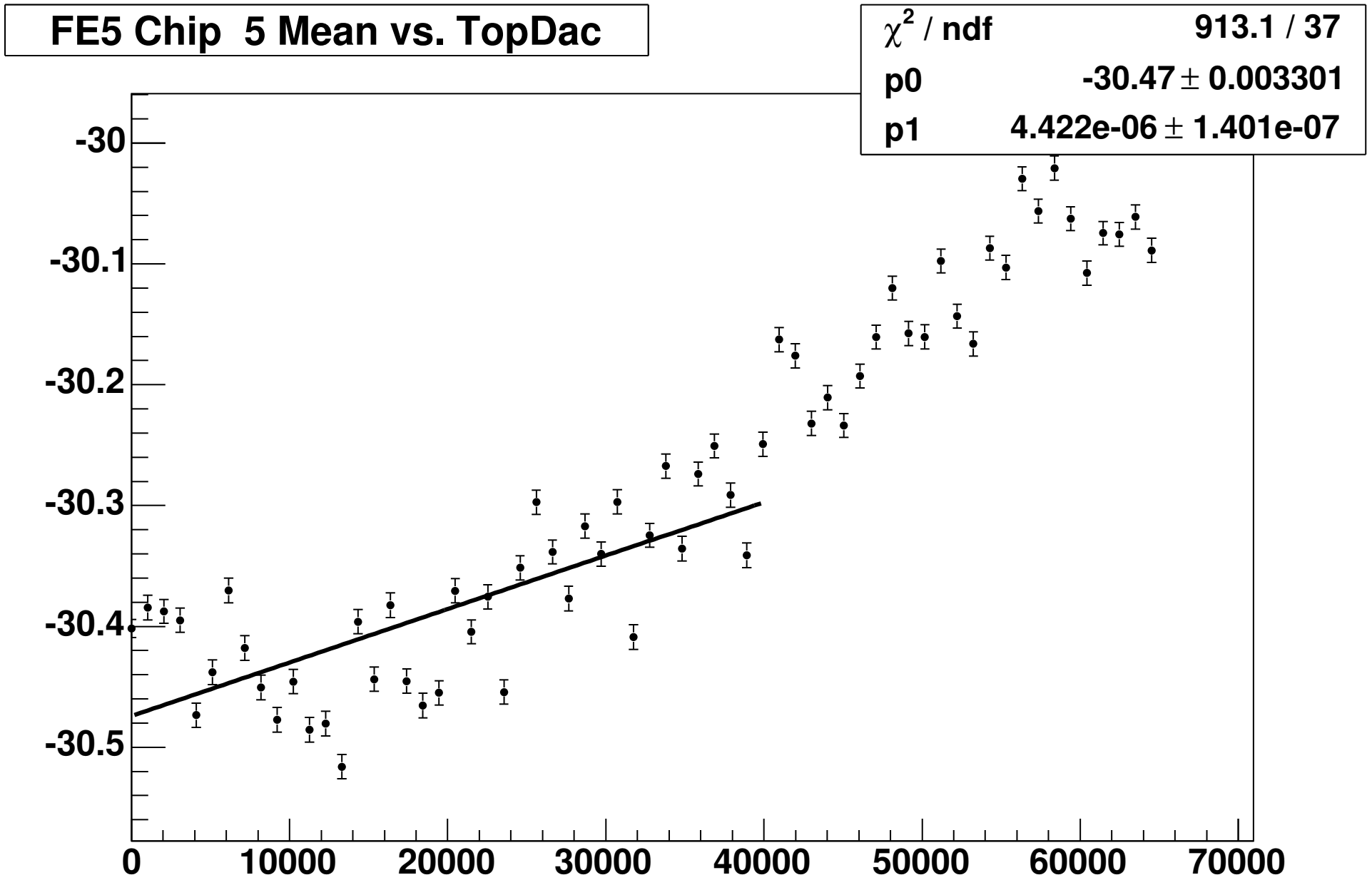
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 913.1 / 37
p0 -30.47 ± 0.003301
p1 4.422e-06 ± 1.401e-07
-30
-30.1
-30.2
-30.3
-30.4
-30.5
0
10000
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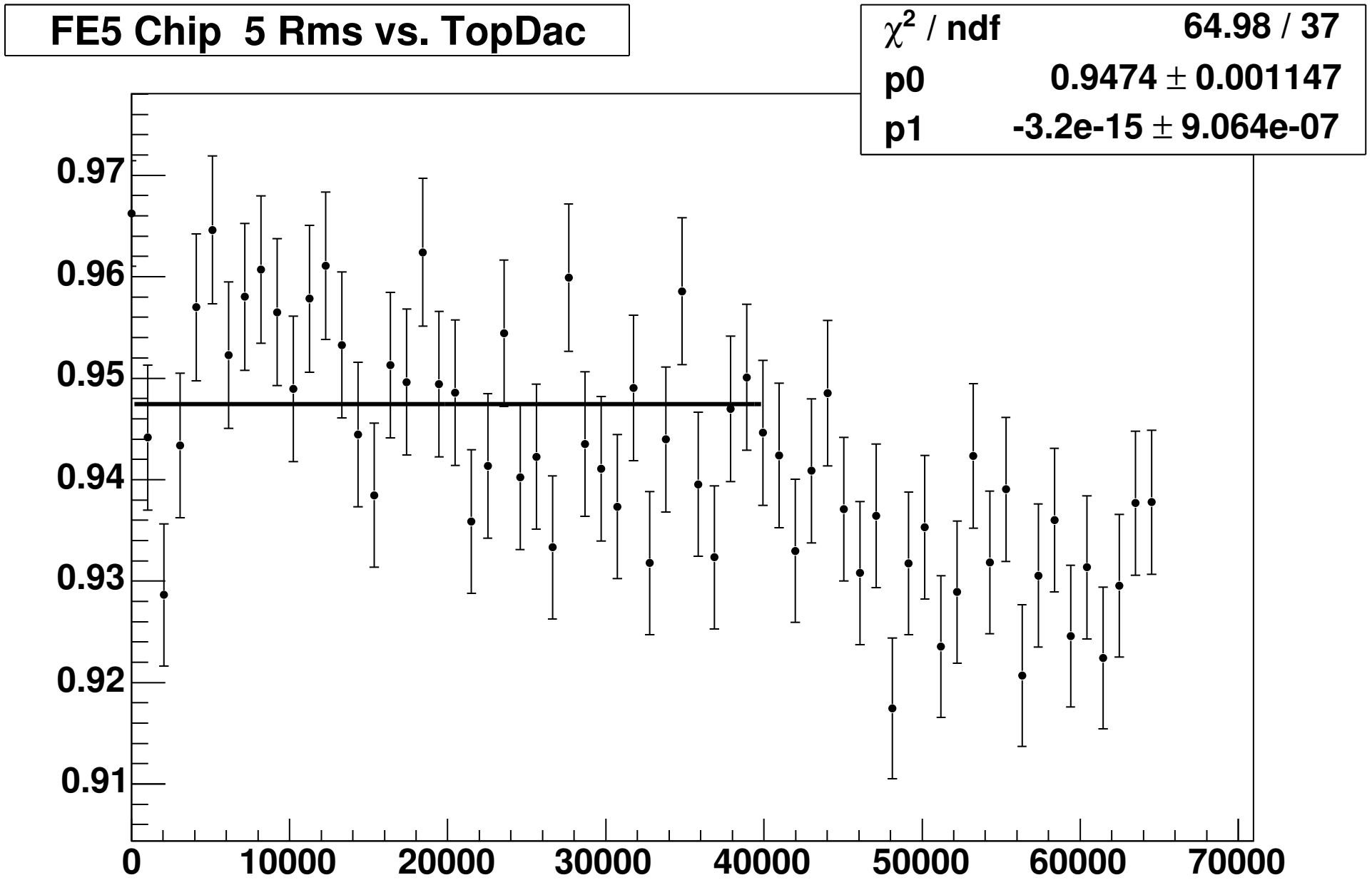
FE5 Chip 5 Rms vs. TopDac
χ^2 / ndf 64.98 / 37
p0 0.9474 ± 0.001147
p1 -3.2e-15 ± 9.064e-07
0.97
0.96
0.95
0.94
0.93
0.92
0.91
0
10000
20000
30000
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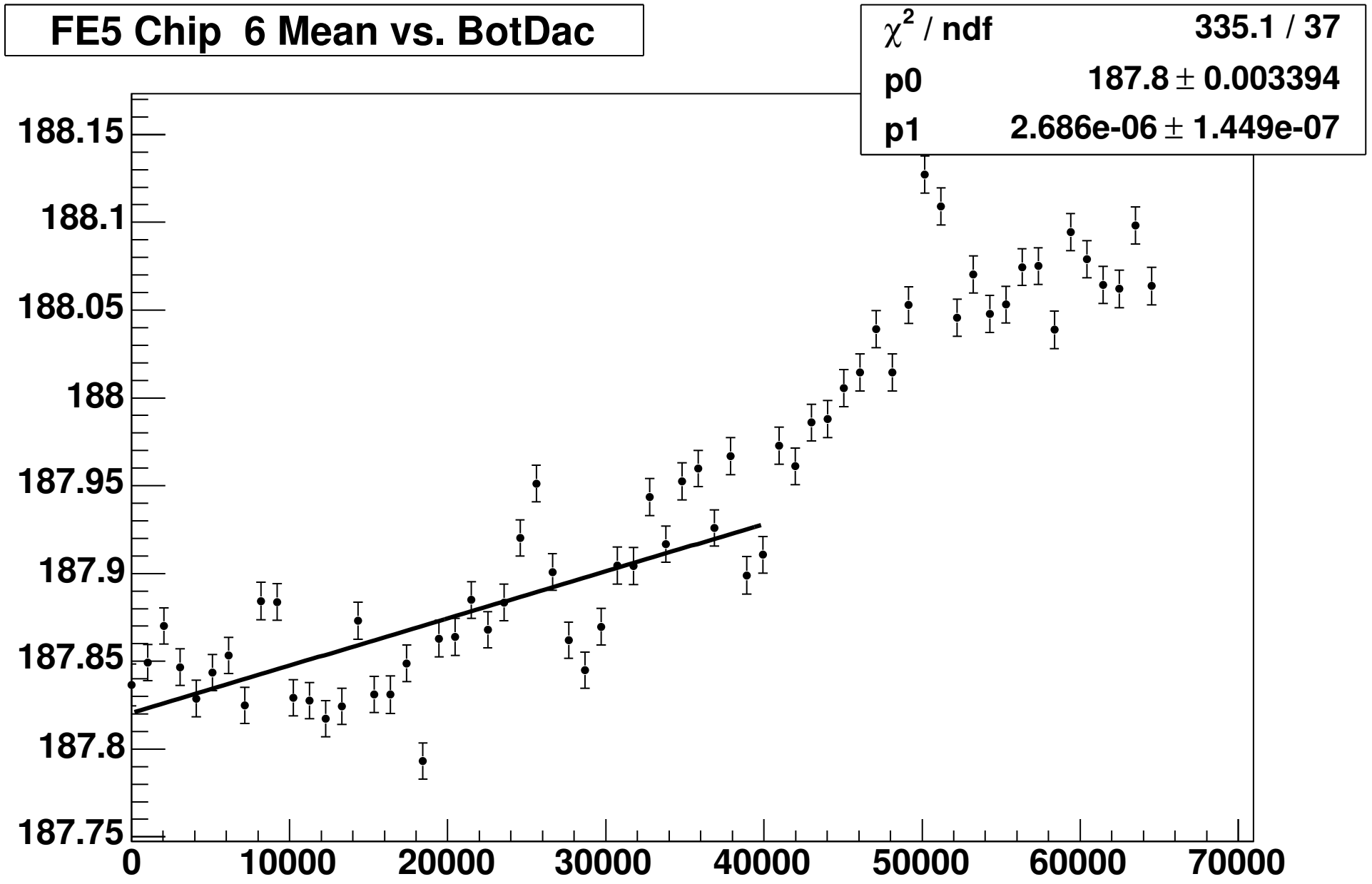
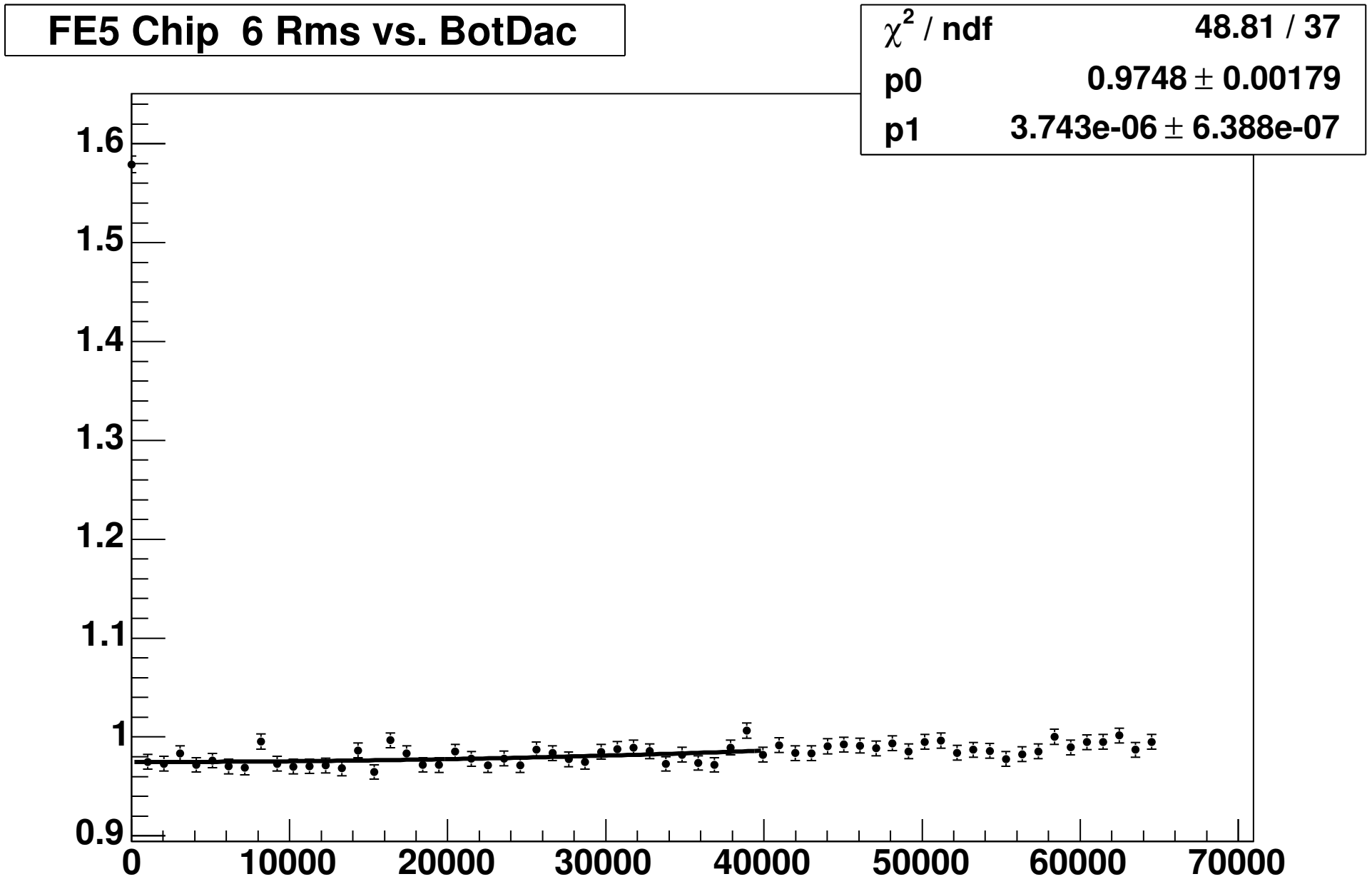
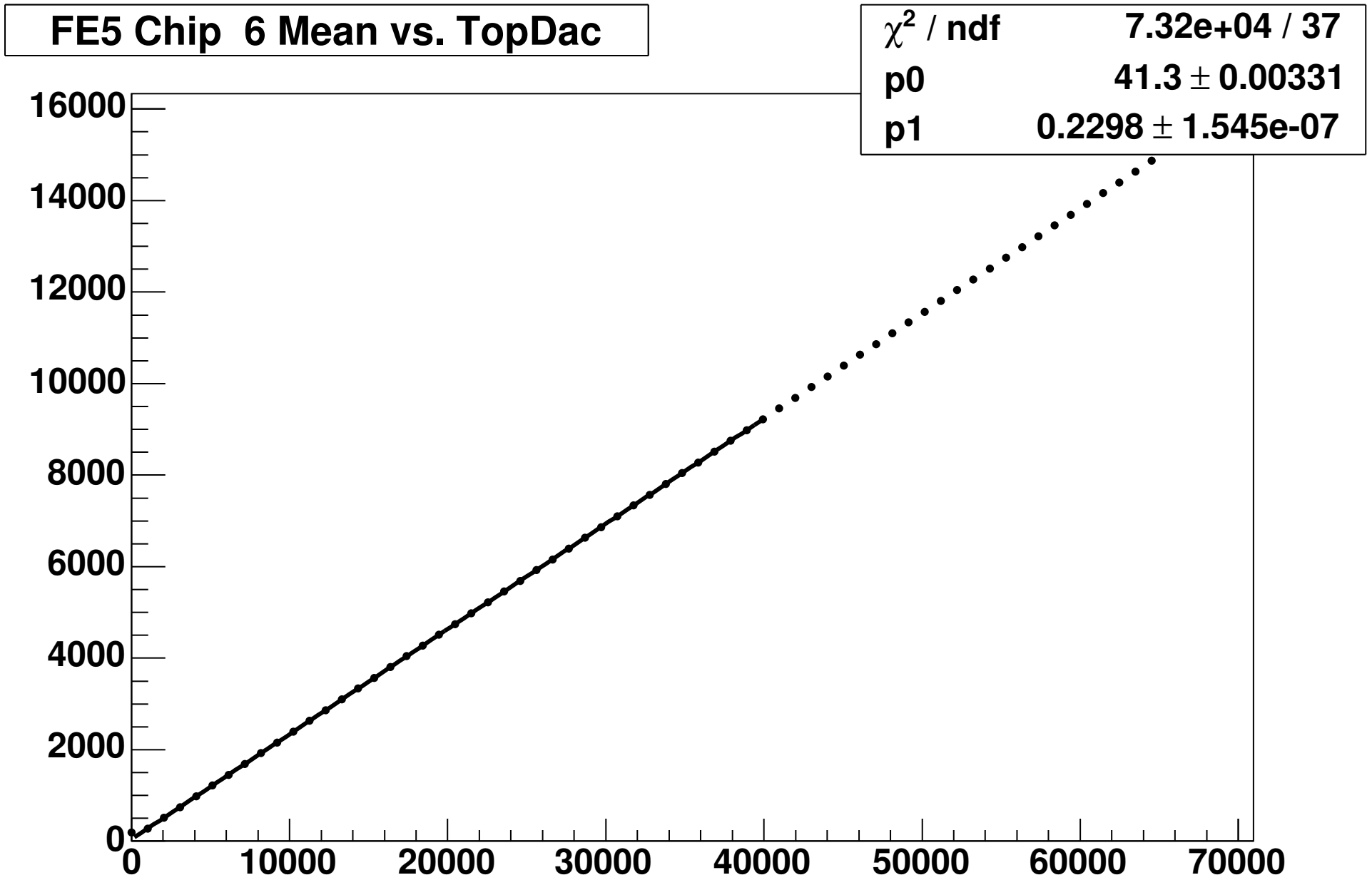
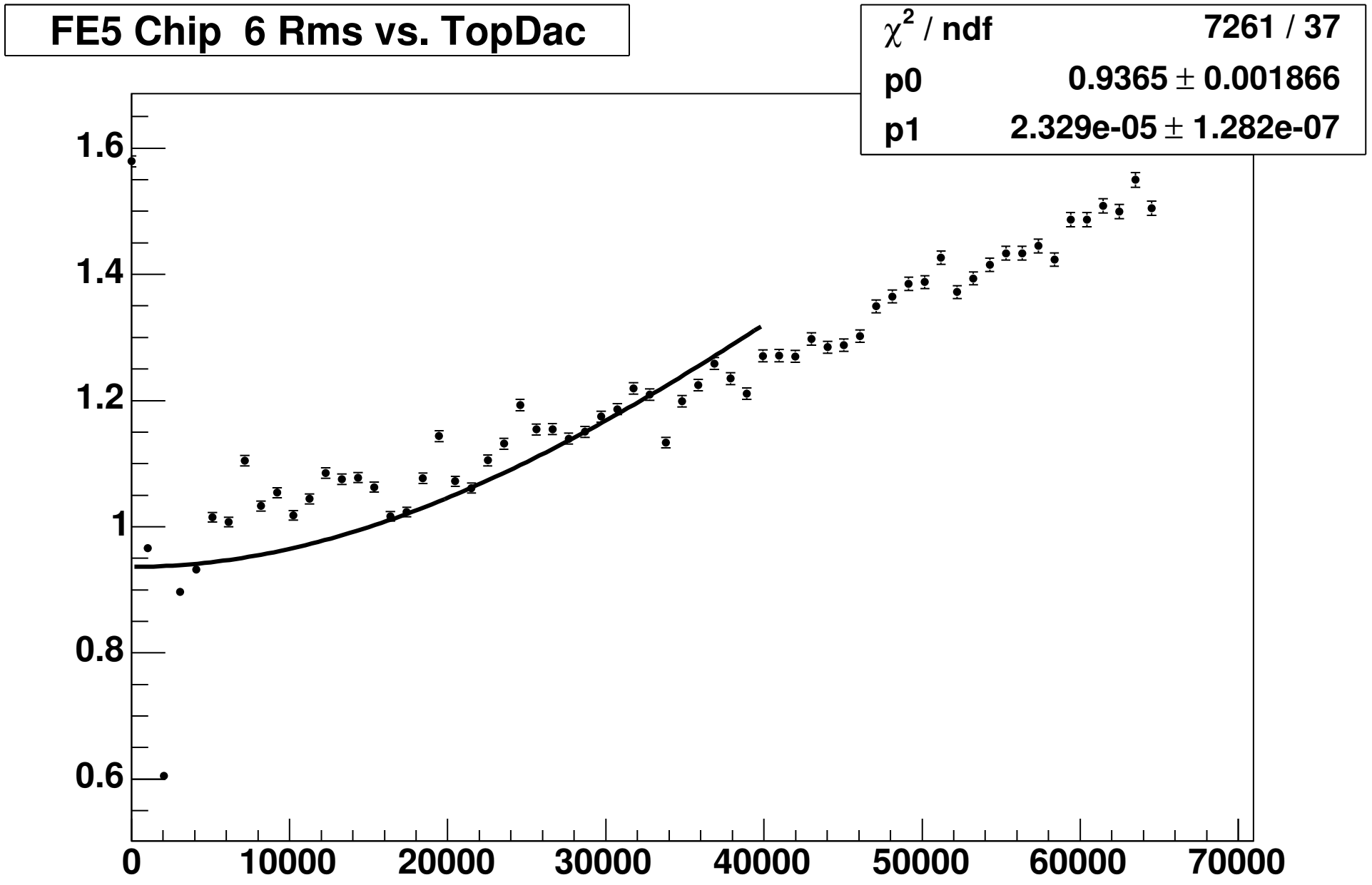
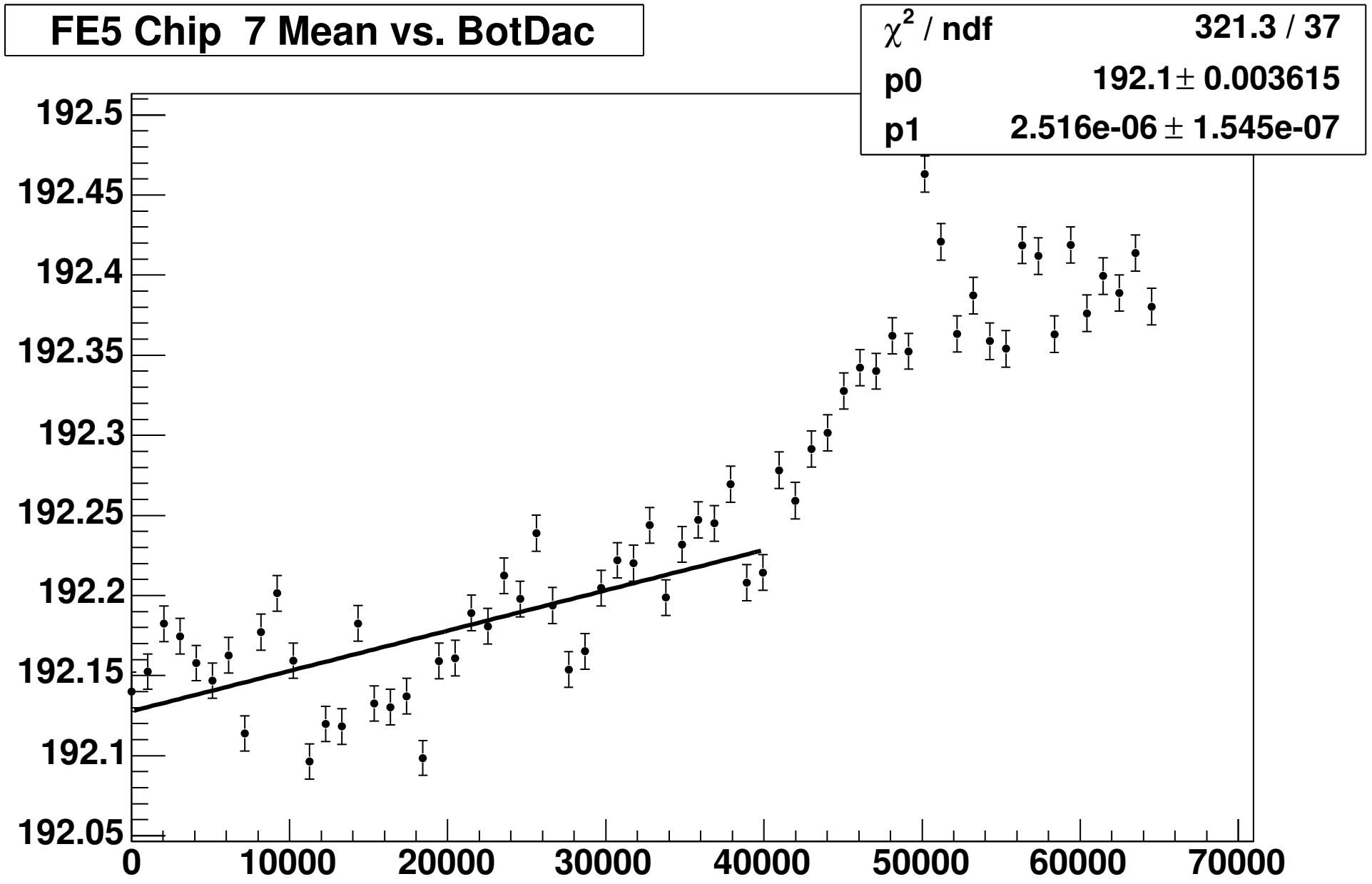
50000
60000
70000

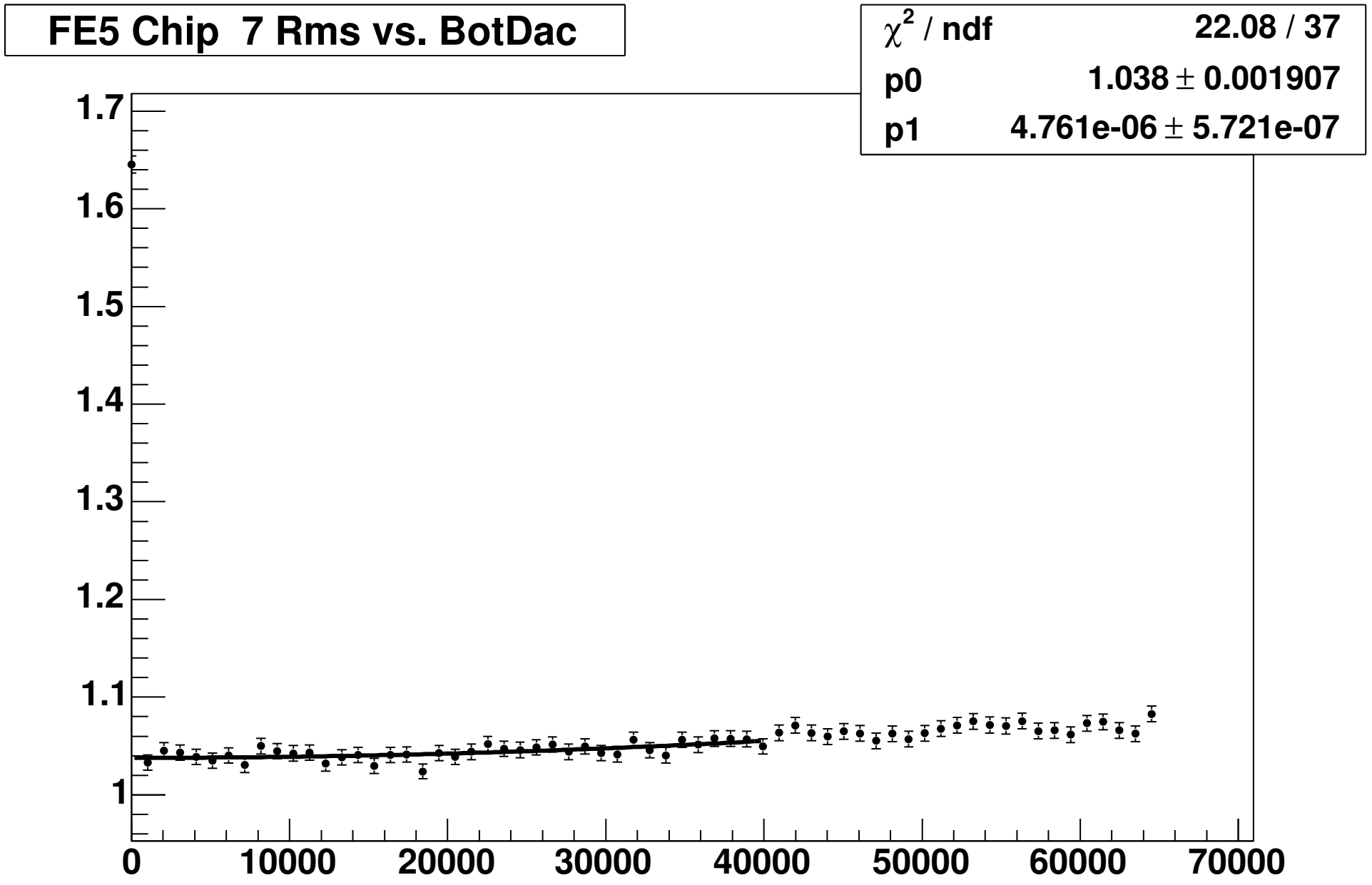

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 335.1 / 37
p0 187.8 ± 0.003394
p1 2.686e-06 ± 1.449e-07
188.15
188.1
188.05
188
187.95
187.9
187.85
187.8
187.75
0
10000
20000
30000
40000
50000
60000
70000

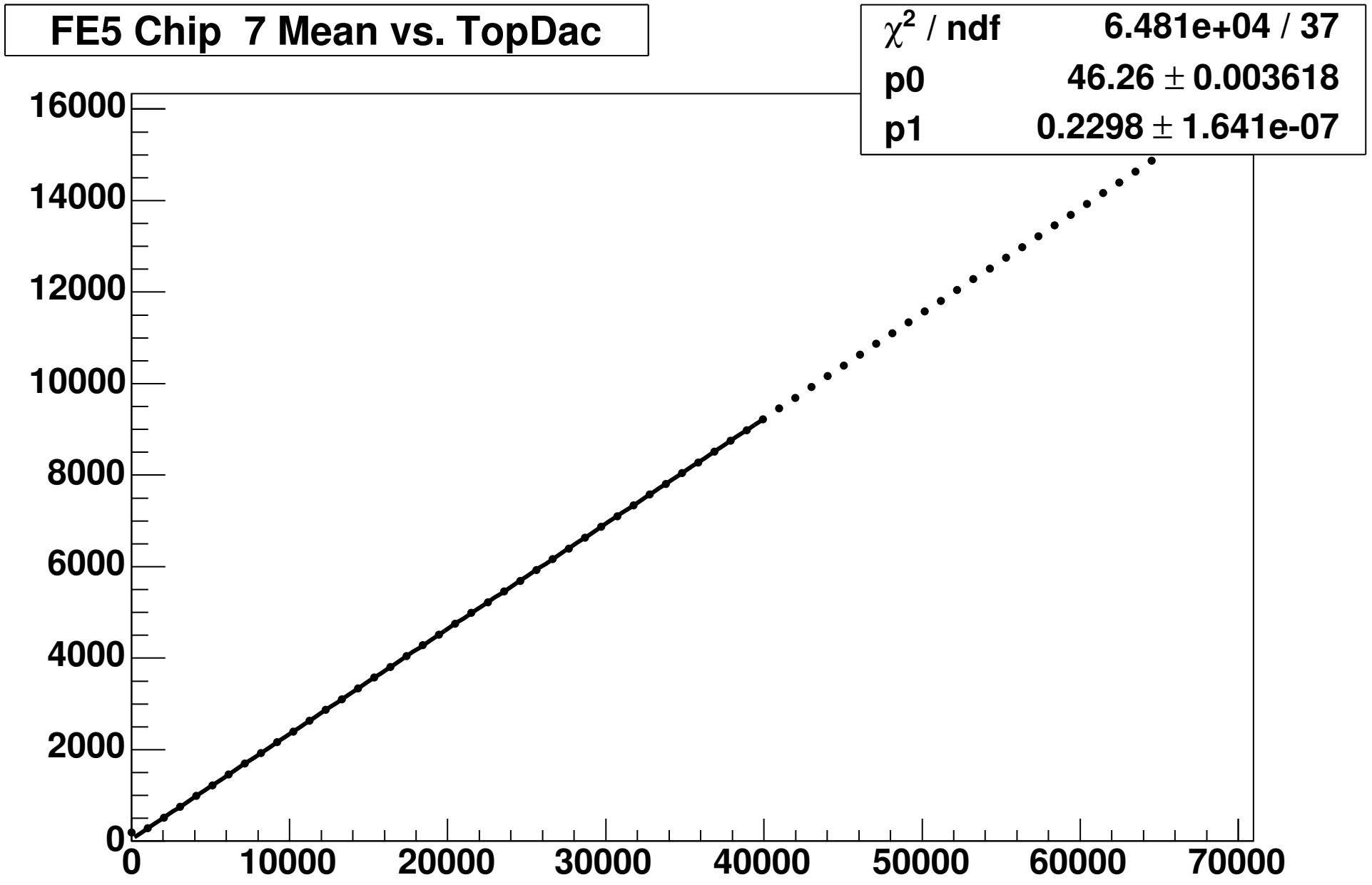

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 48.81 / 37
p0 0.9748 ± 0.00179
p1 3.743e-06 ± 6.388e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

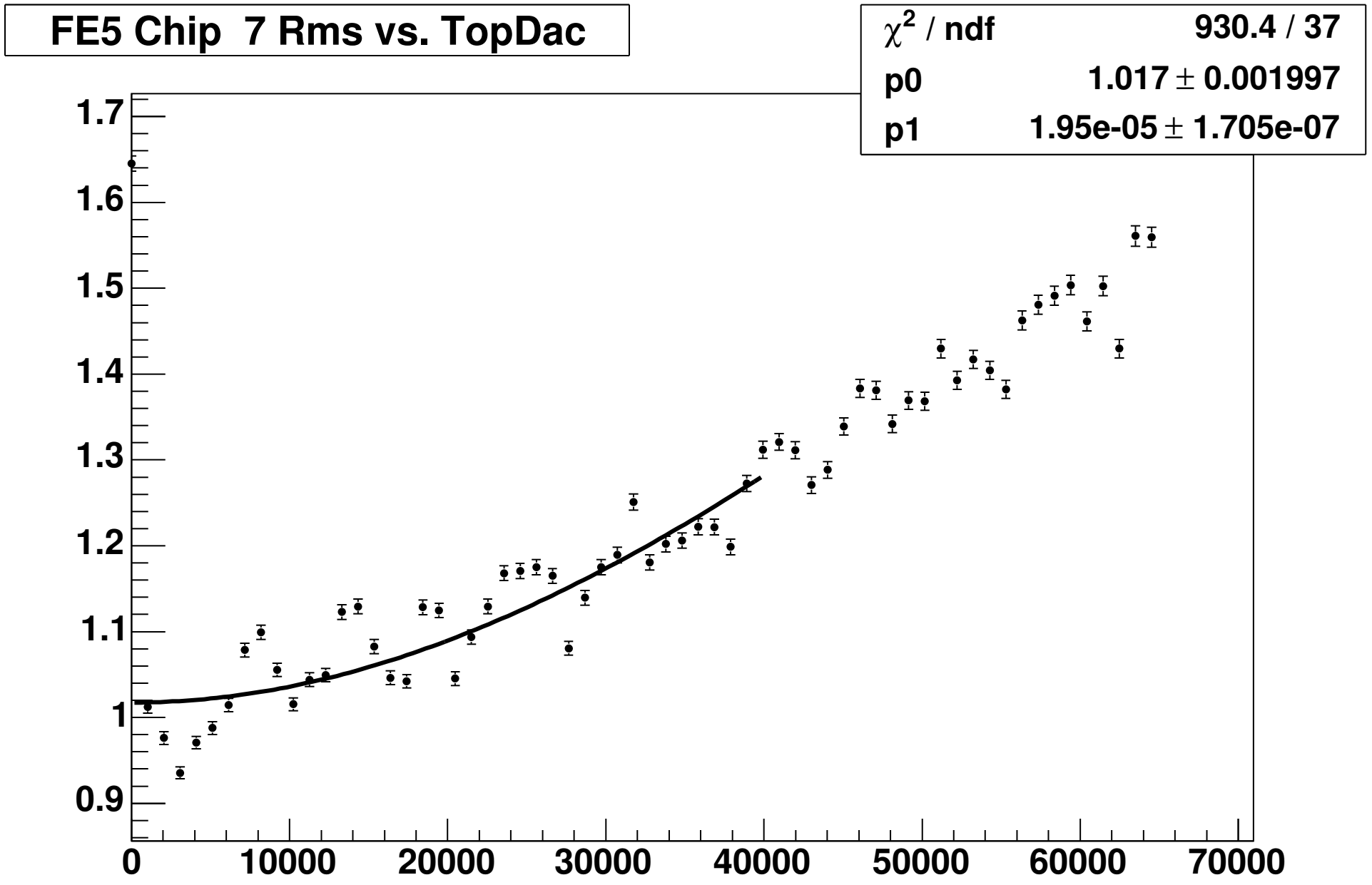

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 7.32e+04 / 37
p0 41.3 ± 0.00331
p1 0.2298 ± 1.545e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

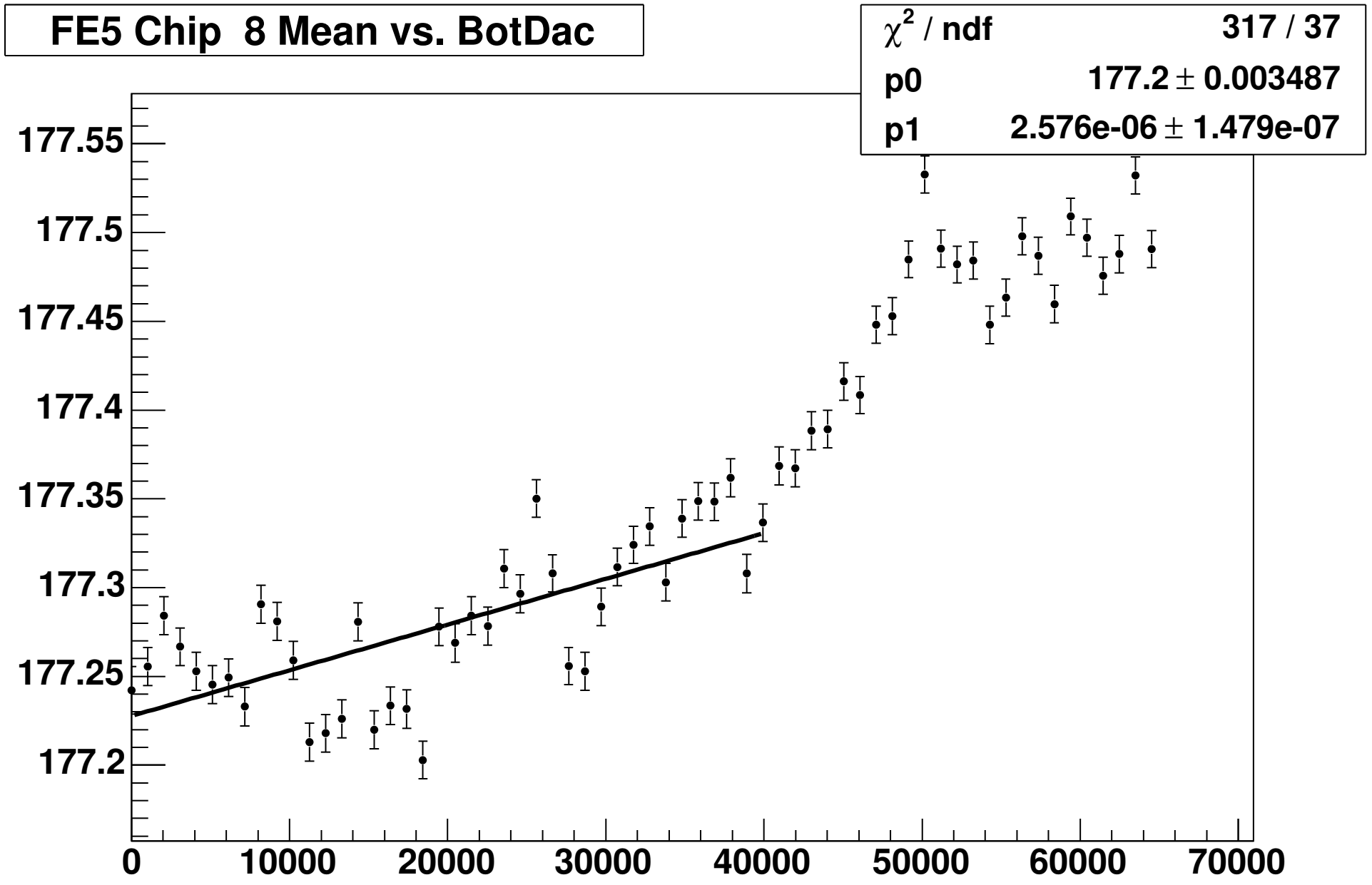

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 7261 / 37
p0 0.9365 ± 0.001866
p1 2.329e-05 ± 1.282e-07
1.6
1.4
1.2
1
0.8
0.6
0
10000
20000
30000
40000
50000
60000
70000

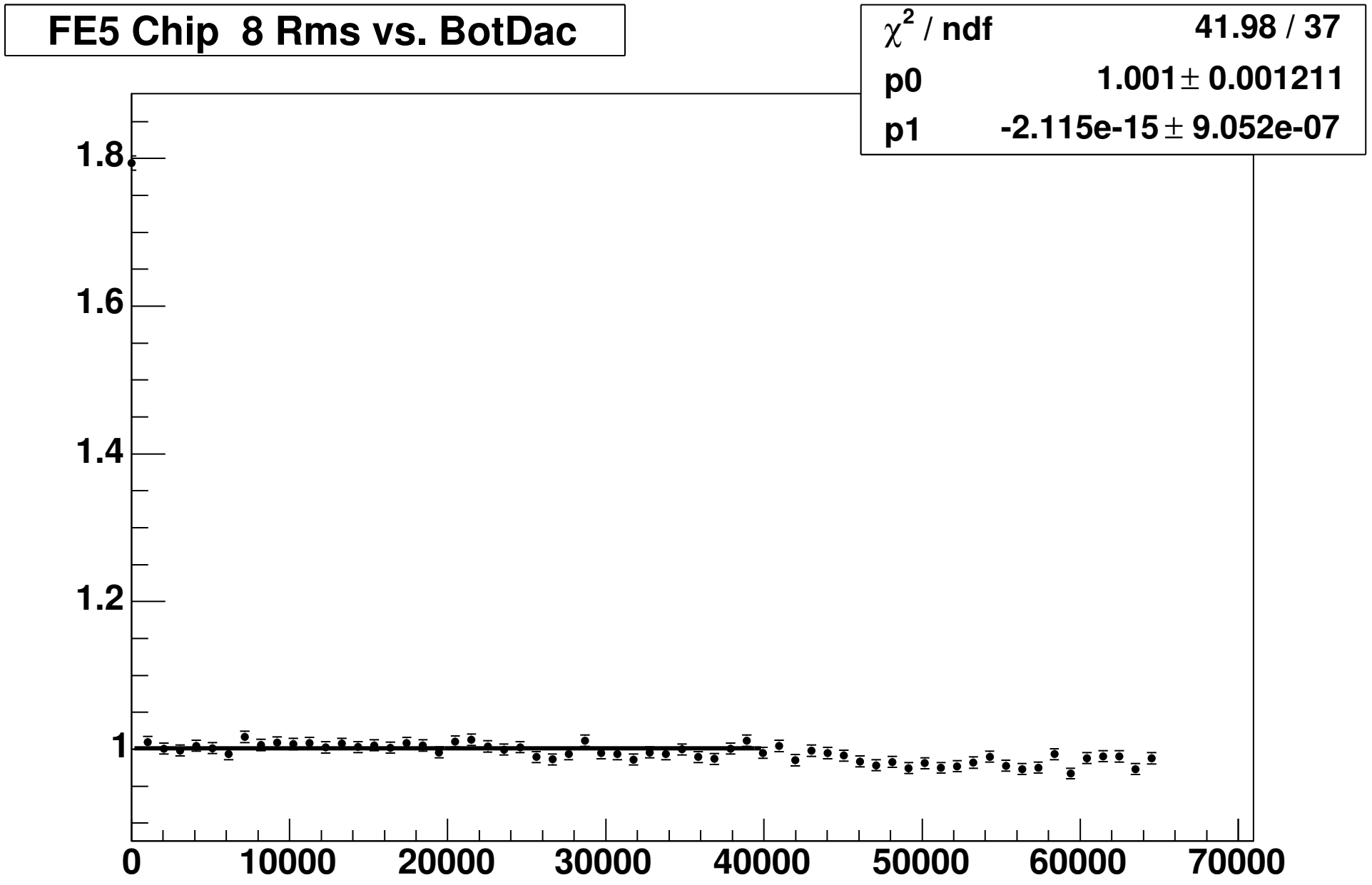

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 321.3 / 37
p0 192.1 ± 0.003615
p1 2.516e-06 ± 1.545e-07
192.5
192.45
192.4
192.35
192.3
192.25
192.2
192.15
192.1
192.05
0
10000
20000
30000
40000
50000
60000
70000

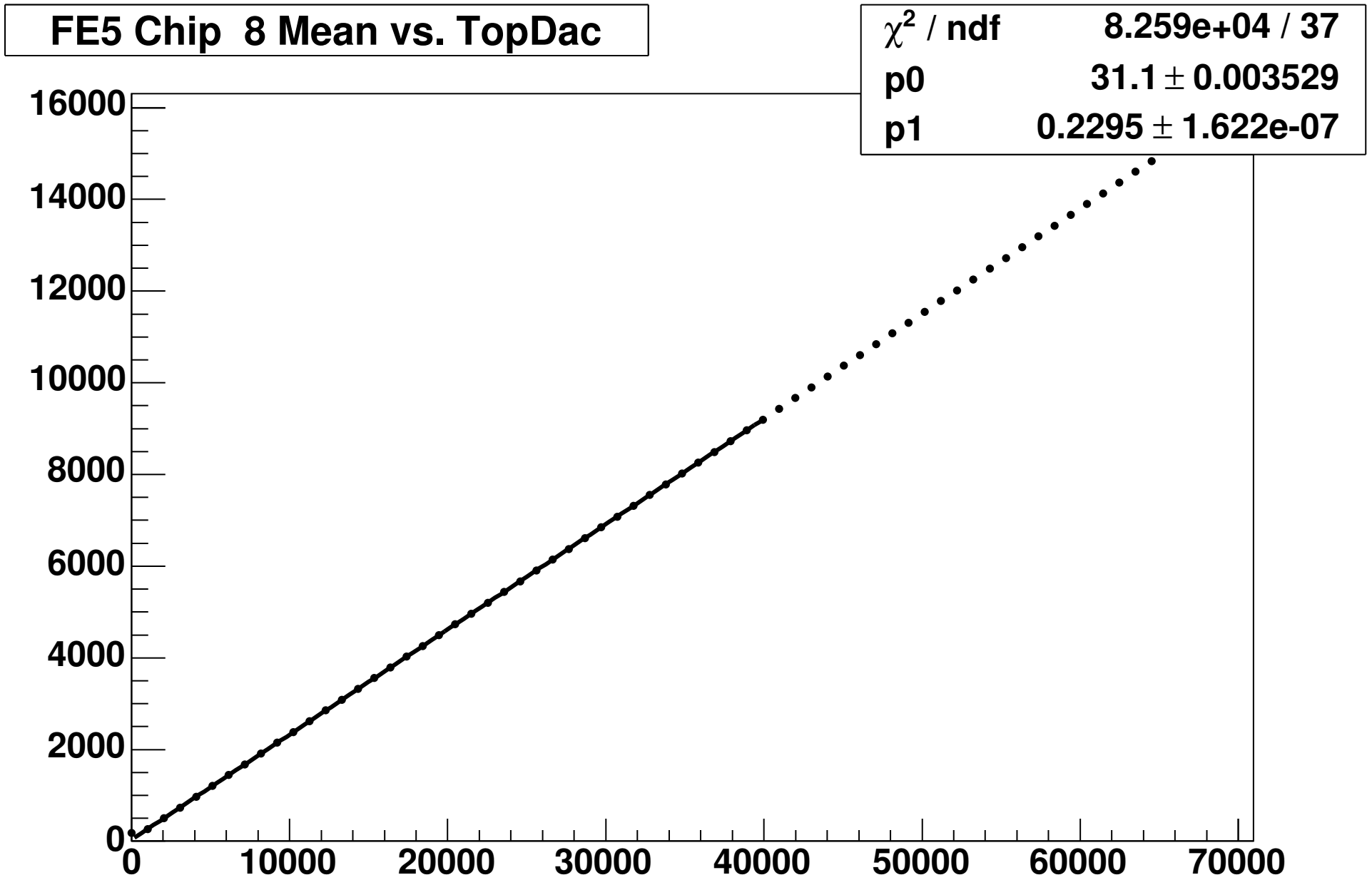

FE5 Chip 7 Rms vs. BotDac
χ² / ndf 22.08 / 37
p0 1.038 ± 0.001907
p1 4.761e-06 ± 5.721e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
30000
40000
50000
60000
70000

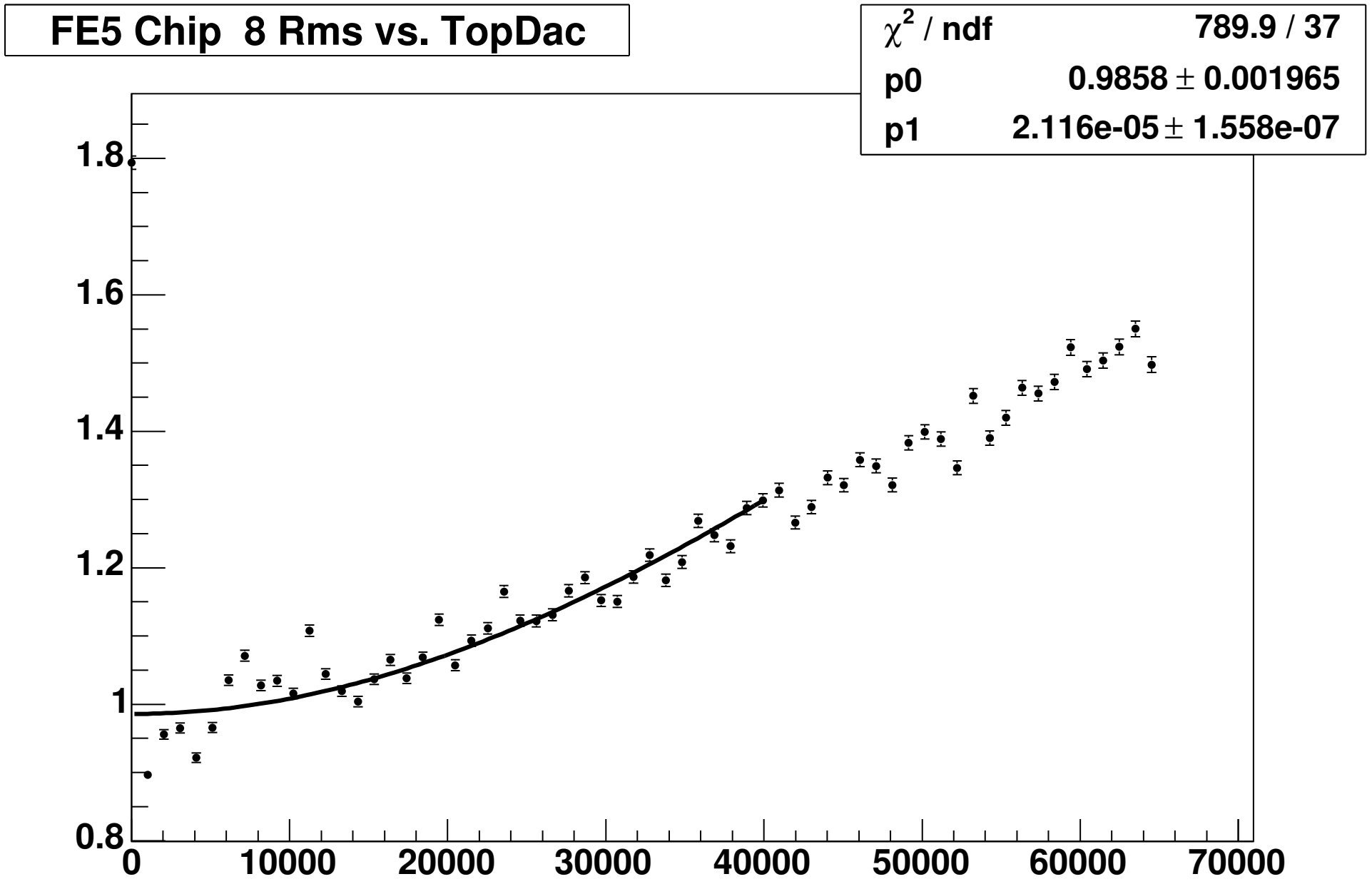

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 6.481e+04 / 37
p0 46.26 ± 0.003618
p1 0.2298 ± 1.641e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 930.4 / 37
p0 1.017 ± 0.001997
p1 1.95e-05 ± 1.705e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 317 / 37
p0 177.2 ± 0.003487
p1 2.576e-06 ± 1.479e-07
177.55
177.5
177.45
177.4
177.35
177.3
177.25
177.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 41.98 / 37
p0 1.001 ± 0.001211
p1 -2.115e-15 ± 9.052e-07
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 8.259e+04 / 37
p0 31.1 ± 0.003529
p1 0.2295 ± 1.622e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 789.9 / 37
p0 0.9858 ± 0.001965
p1 2.116e-05 ± 1.558e-07
1.8
1.6
1.4
1.2
1
0.8
0
10000
20000
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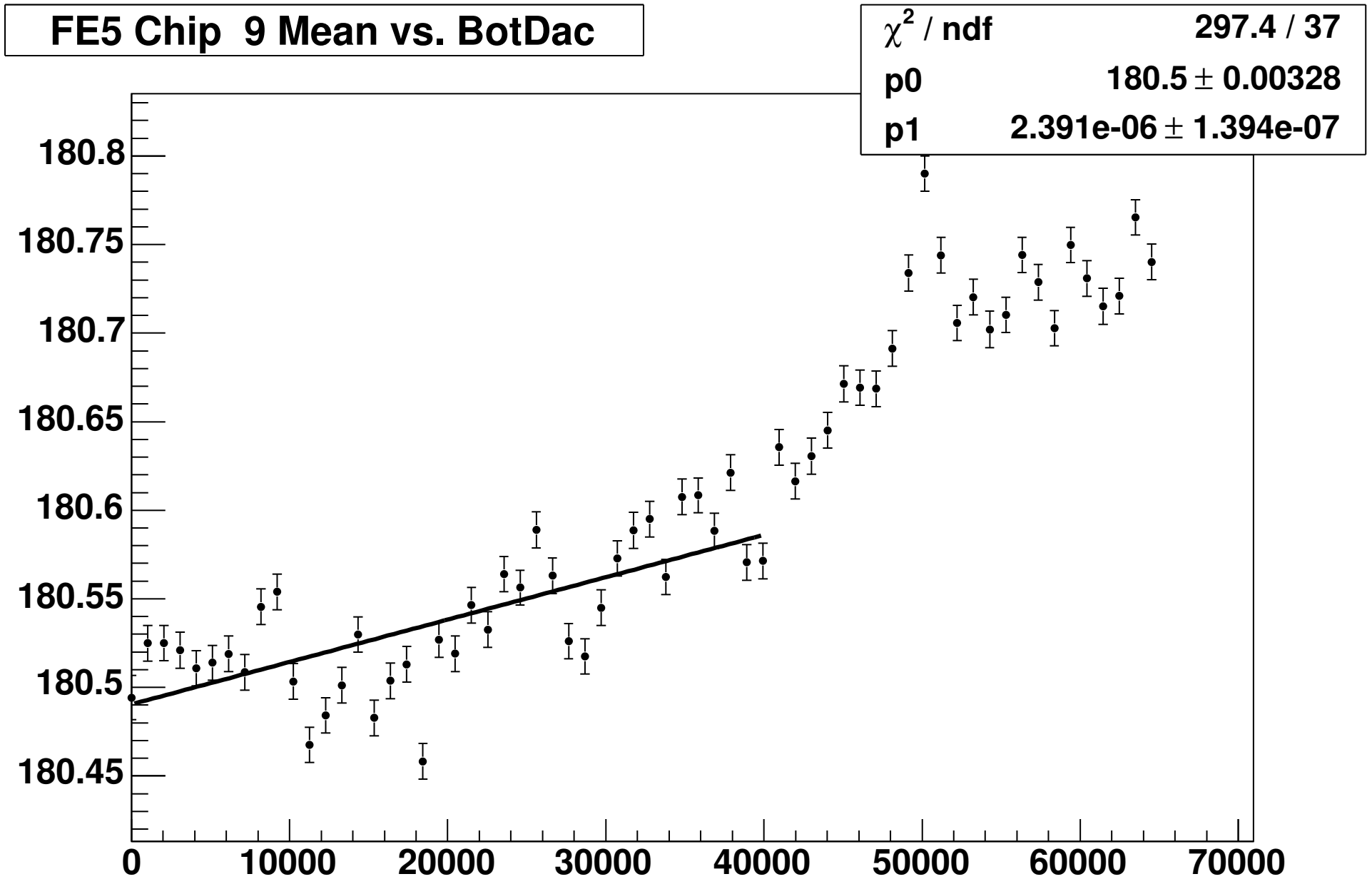
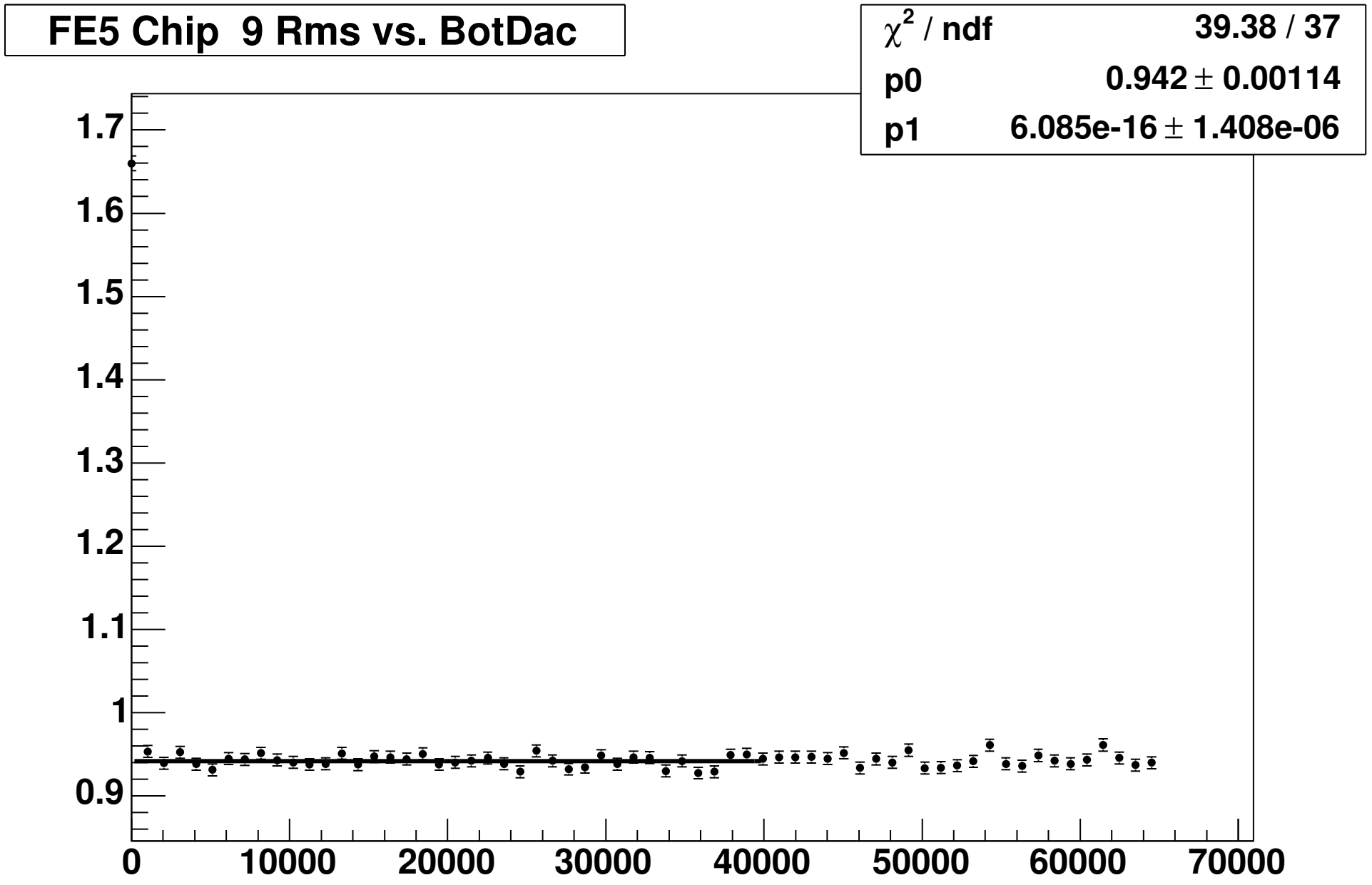
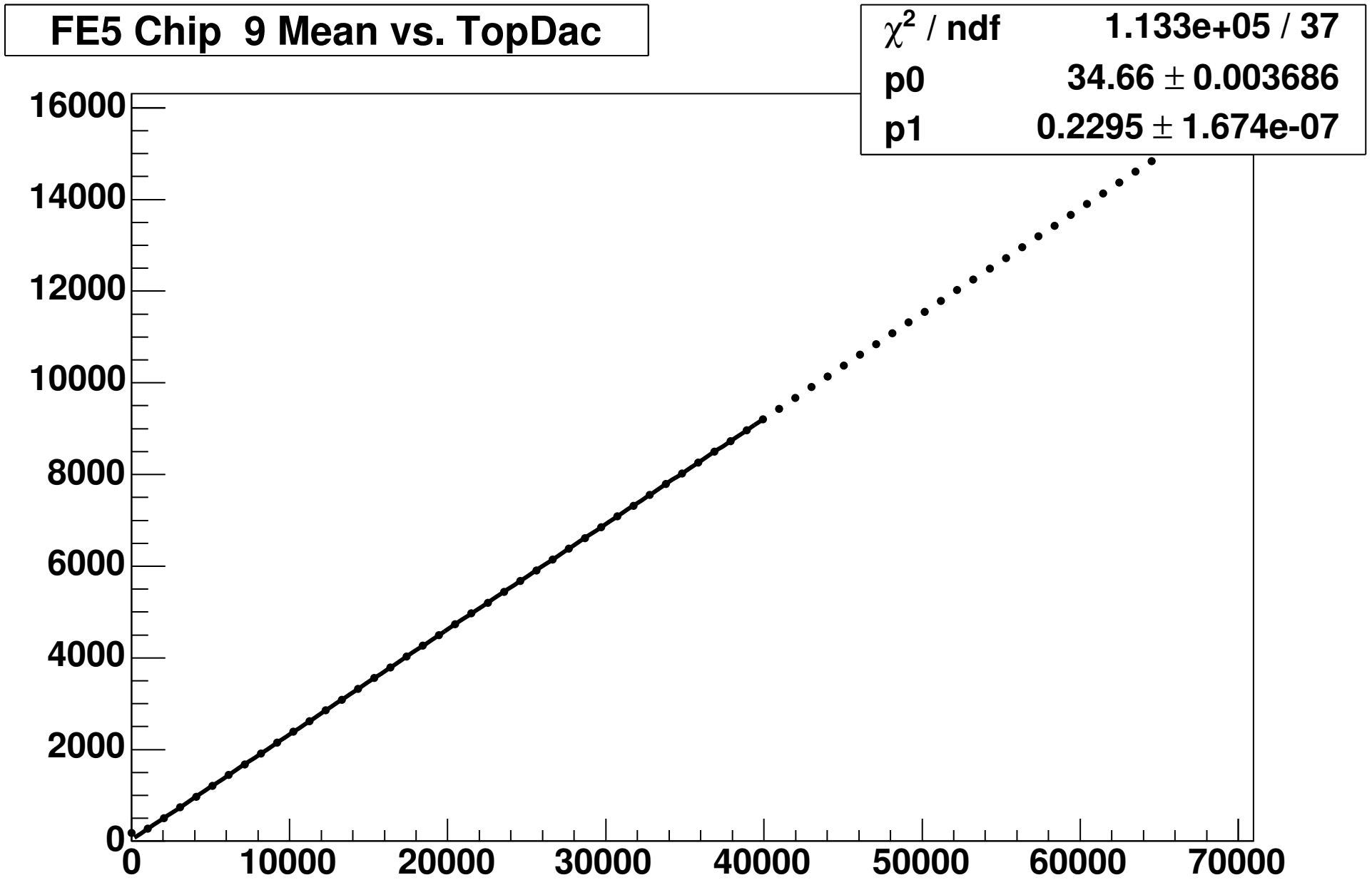
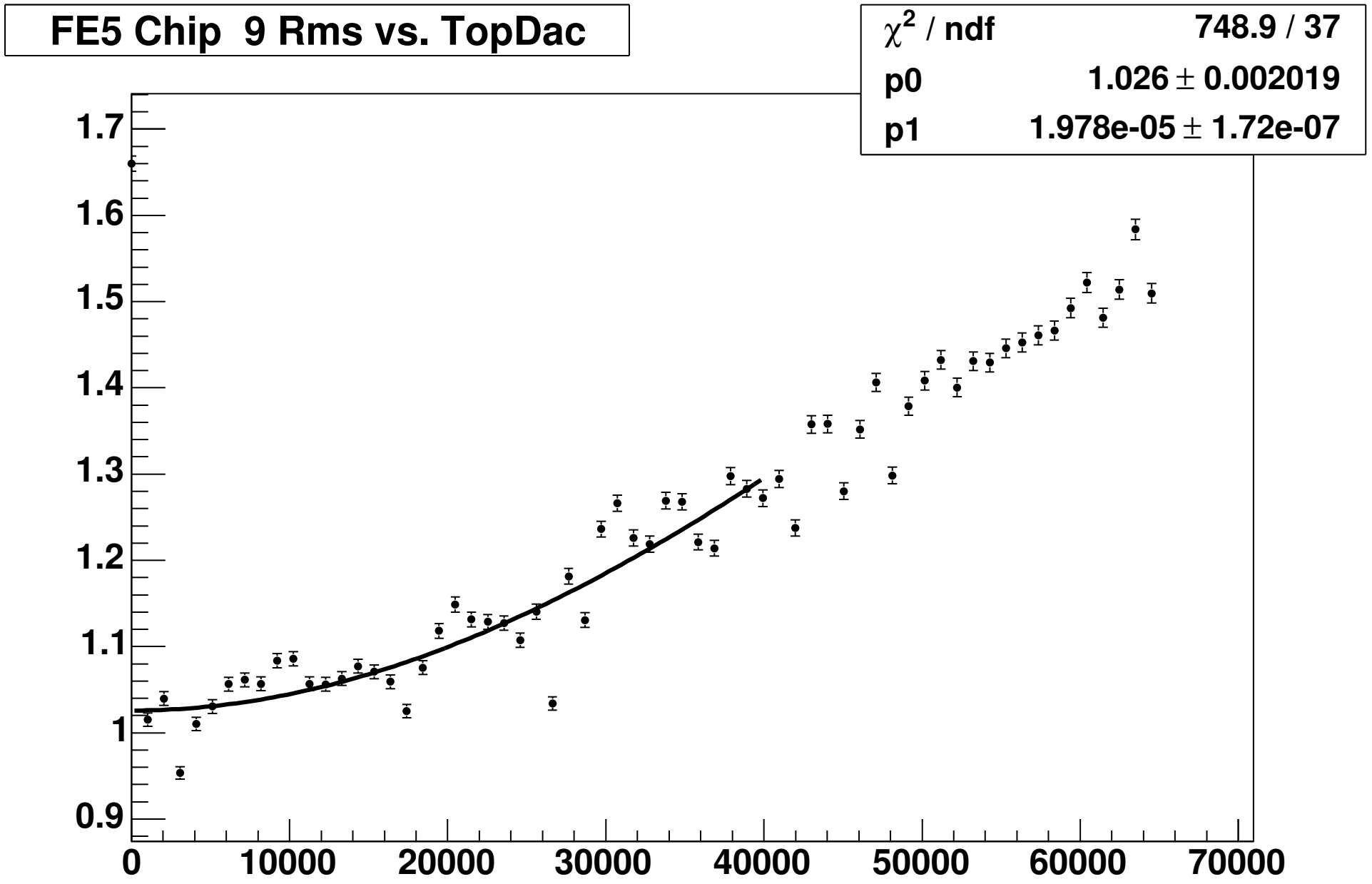
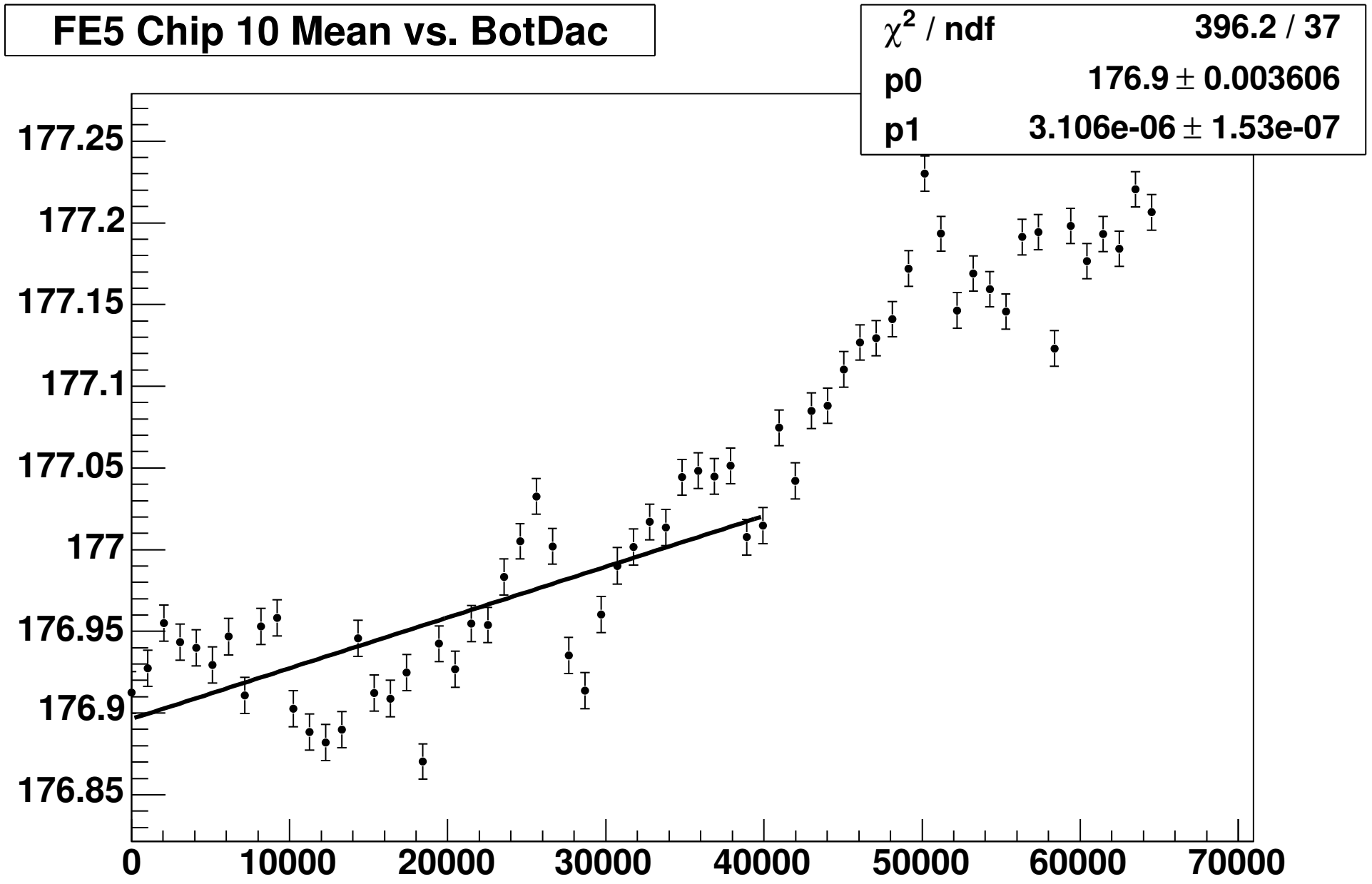
40000
50000
60000
70000

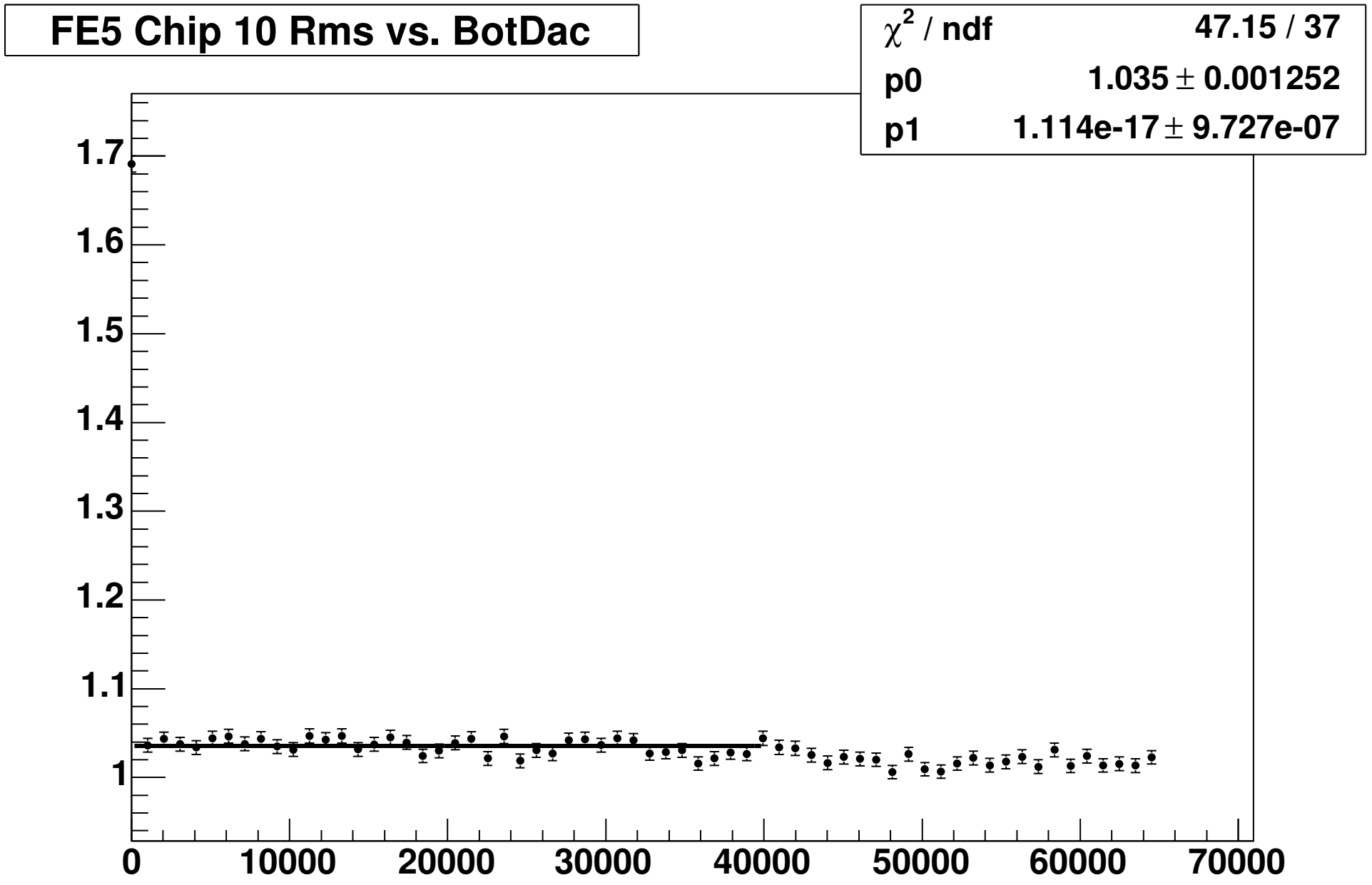

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 297.4 / 37
p0 180.5 ± 0.00328
p1 2.391e-06 ± 1.394e-07
180.8
180.75
180.7
180.65
180.6
180.55
180.5
180.45
0
10000
20000
30000
40000
50000
60000
70000

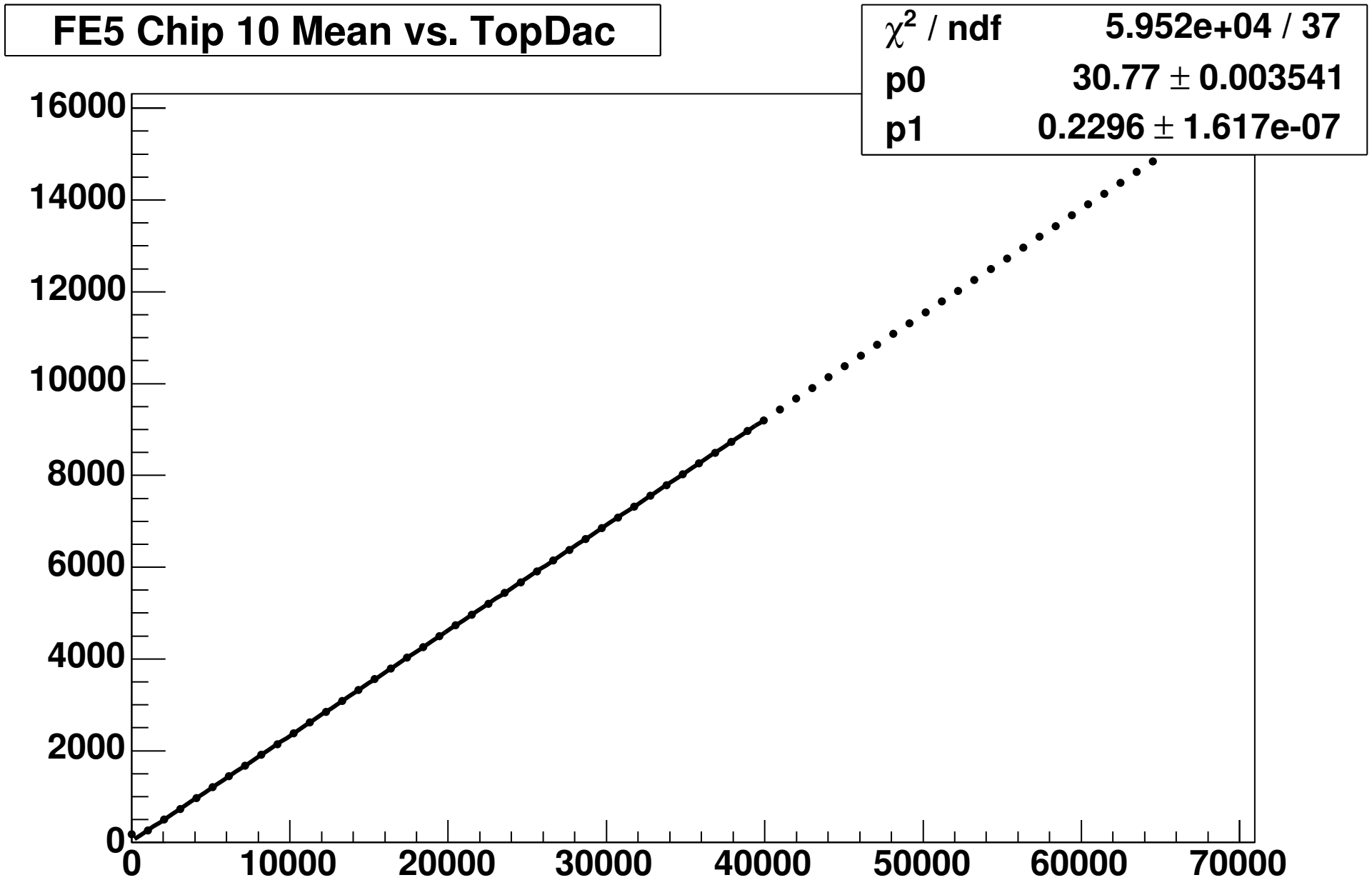

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 39.38 / 37
p0 0.942 ± 0.00114
p1 6.085e-16 ± 1.408e-06
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

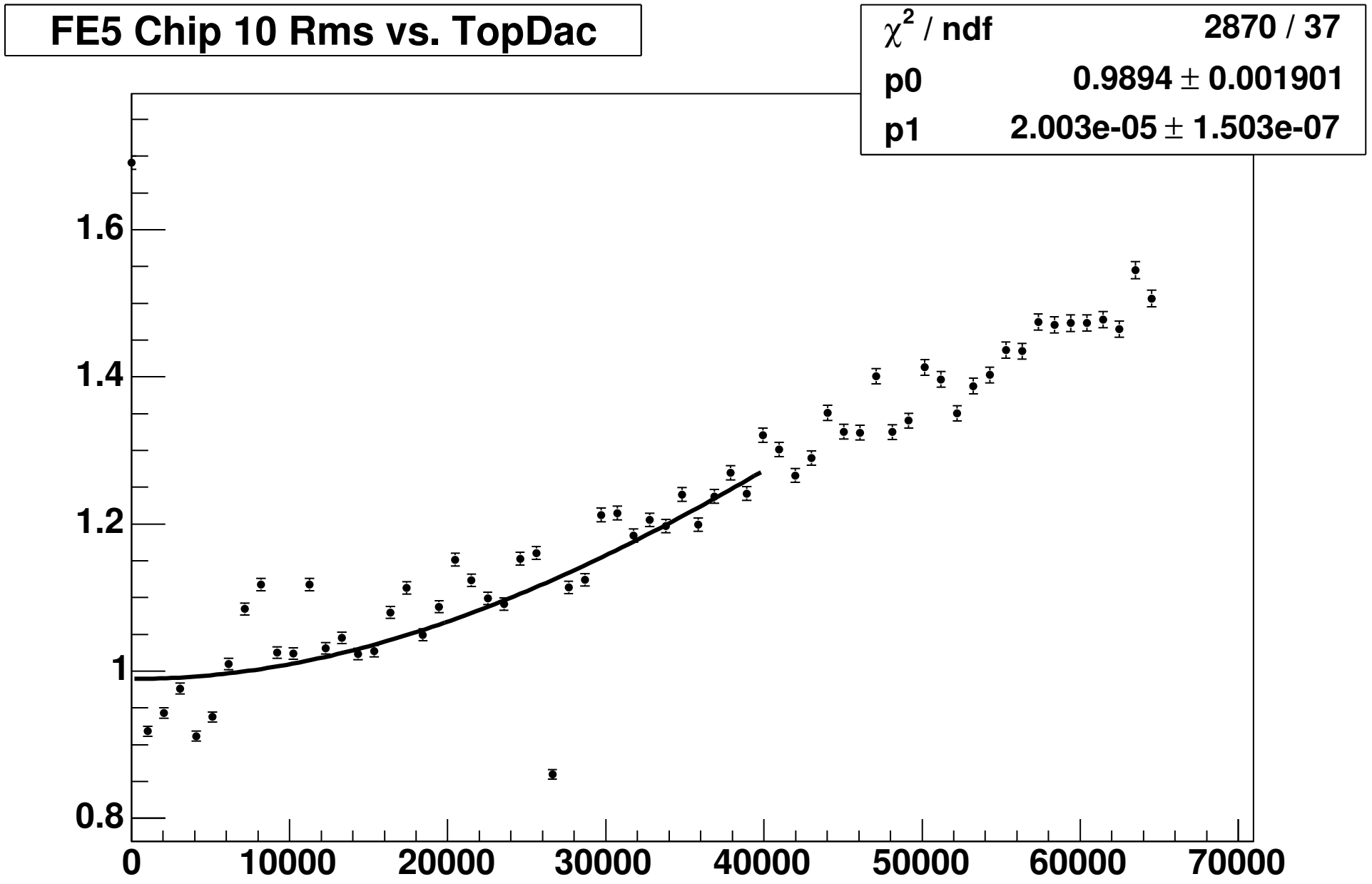

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.133e+05 / 37
p0 34.66 ± 0.003686
p1 0.2295 ± 1.674e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

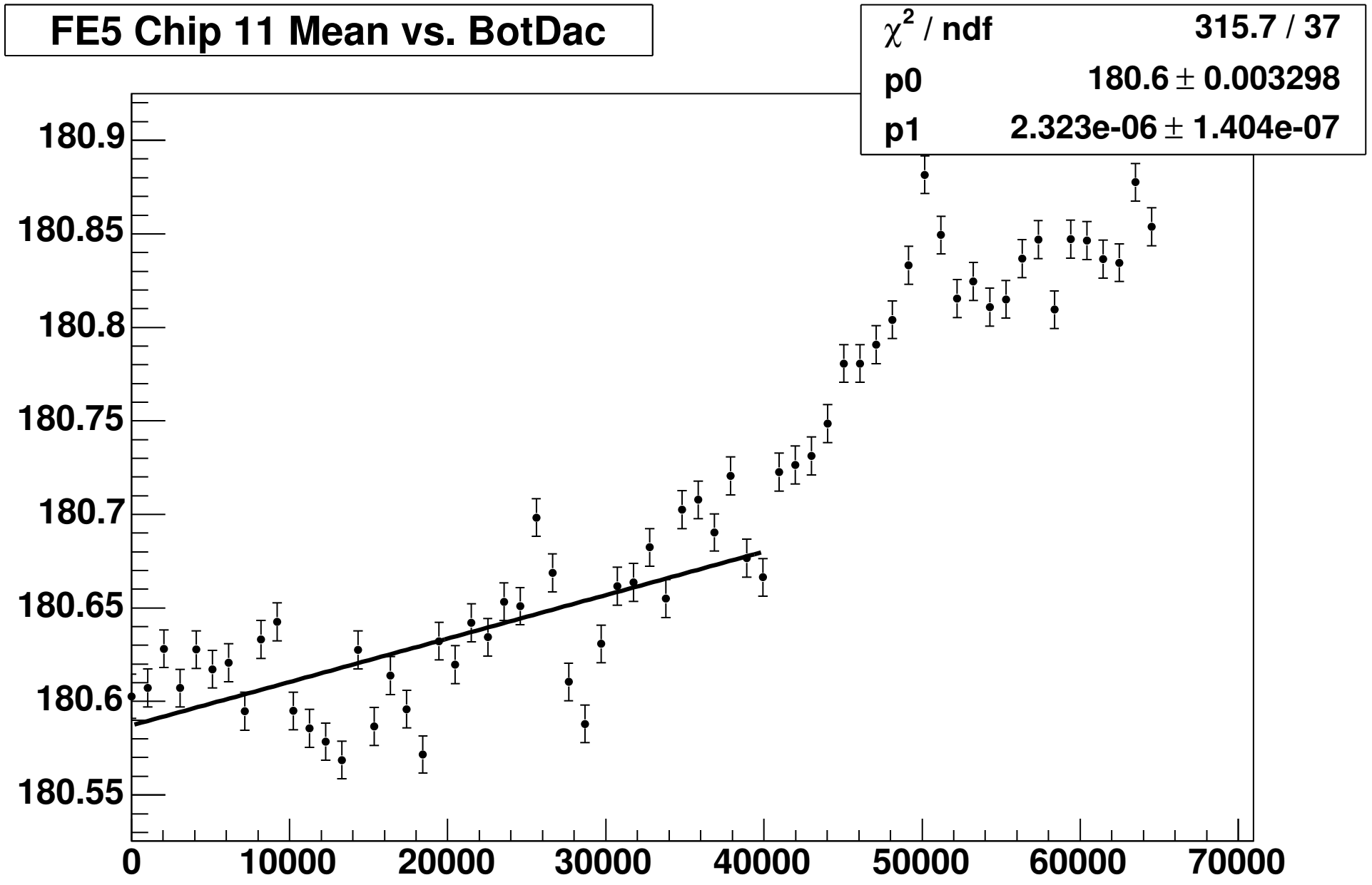

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 748.9 / 37
p0 1.026 ± 0.002019
p1 1.978e-05 ± 1.72e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

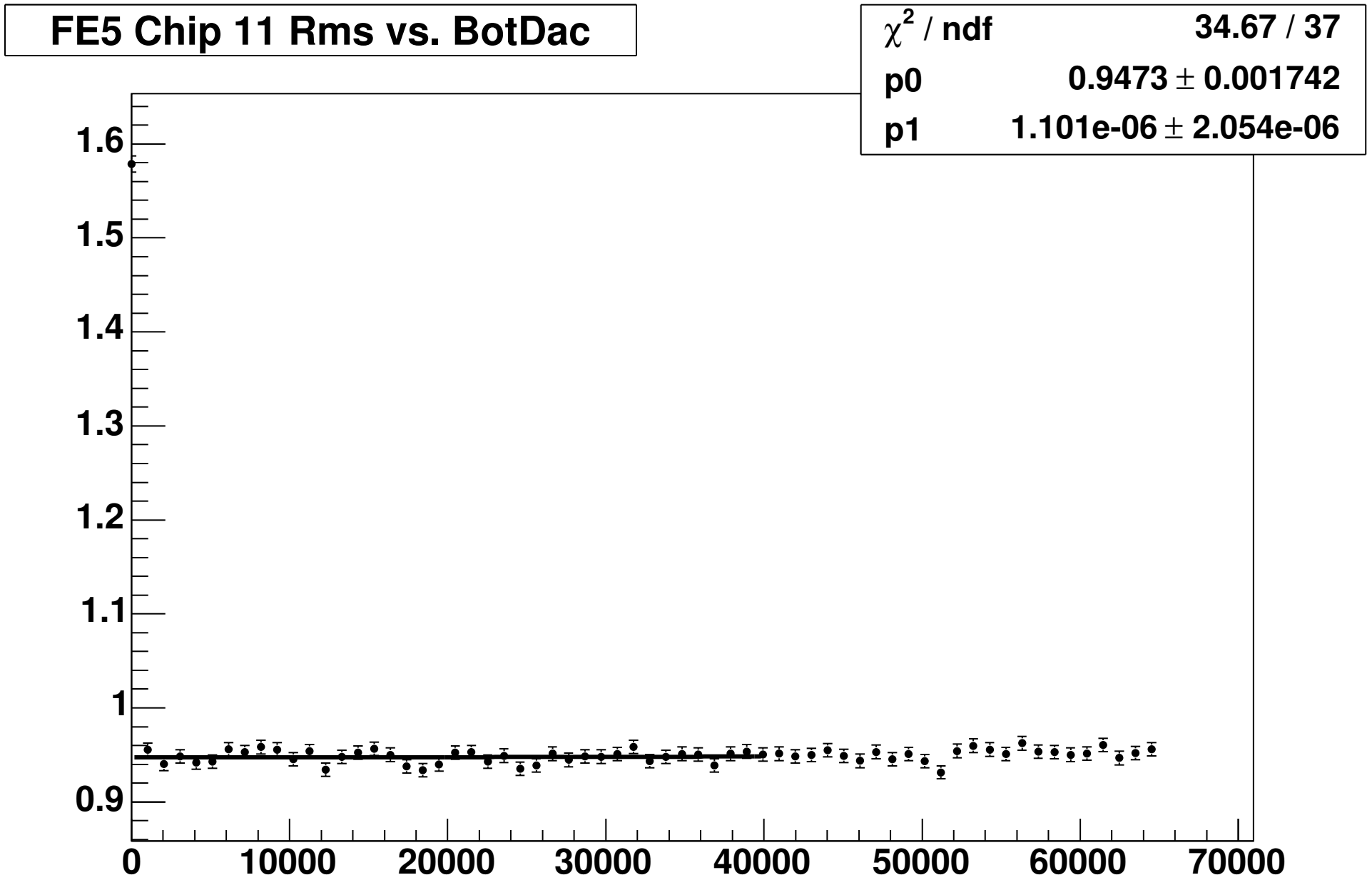

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 396.2 / 37
p0 176.9 ± 0.003606
p1 3.106e-06 ± 1.53e-07
177.25
177.2
177.15
177.1
177.05
177
176.95
176.9
176.85
0
10000
20000
30000
40000
50000
60000
70000

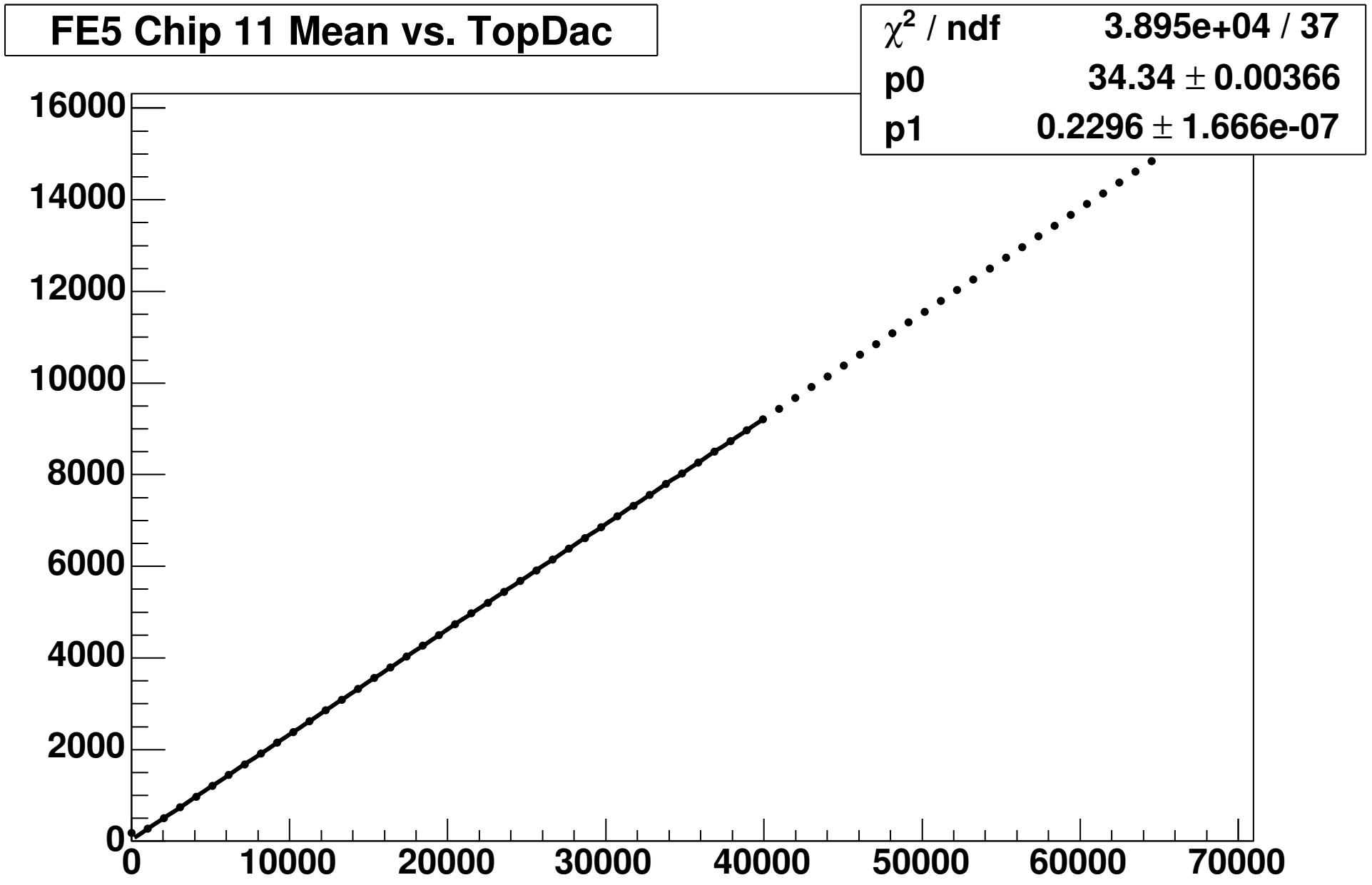

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 47.15 / 37
p0 1.035 ± 0.001252
p1 1.114e-17 ± 9.727e-07
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
30000
40000
50000
60000
70000

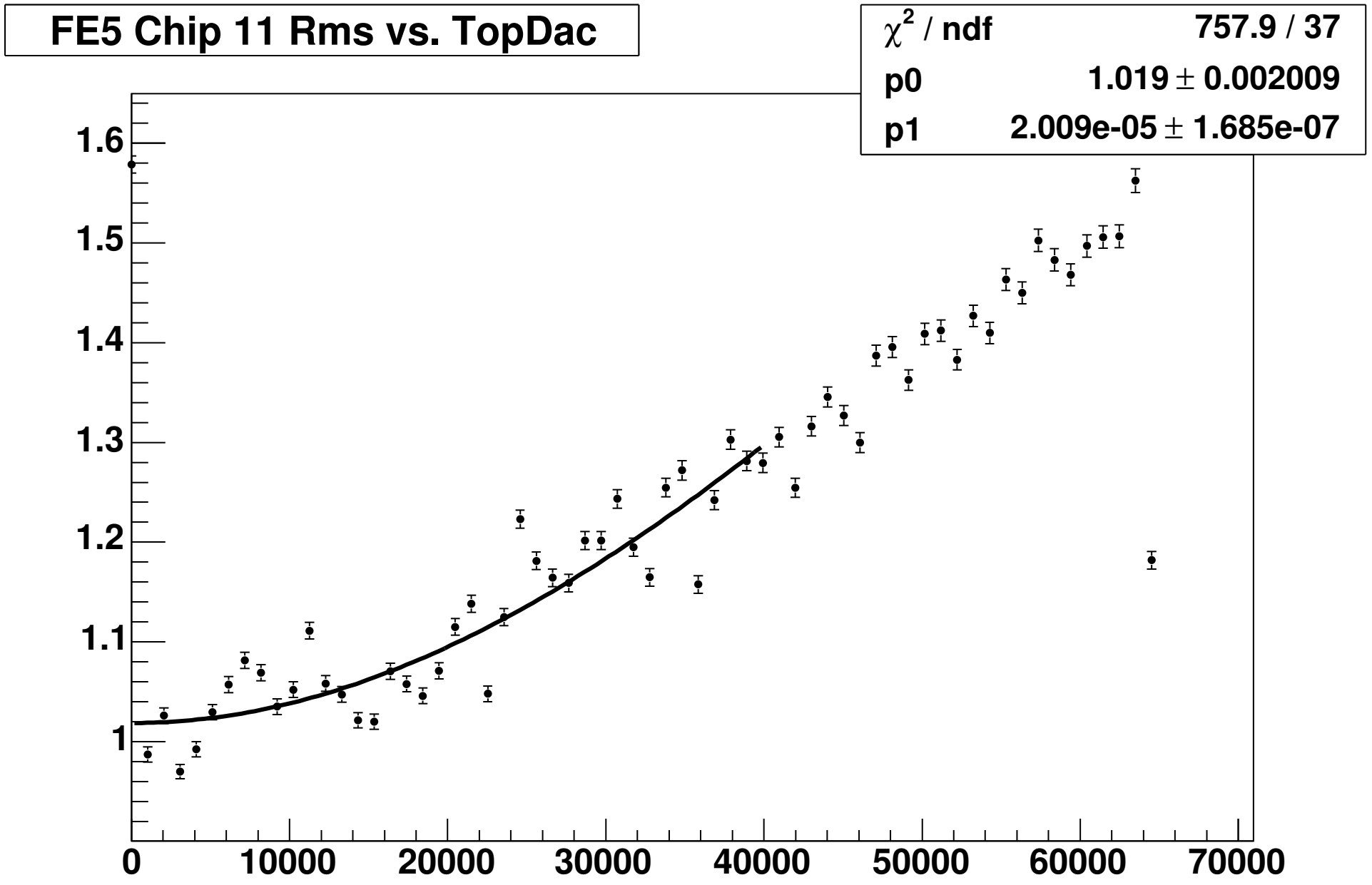

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 5.952e+04 / 37
p0 30.77 ± 0.003541
p1 0.2296 ± 1.617e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

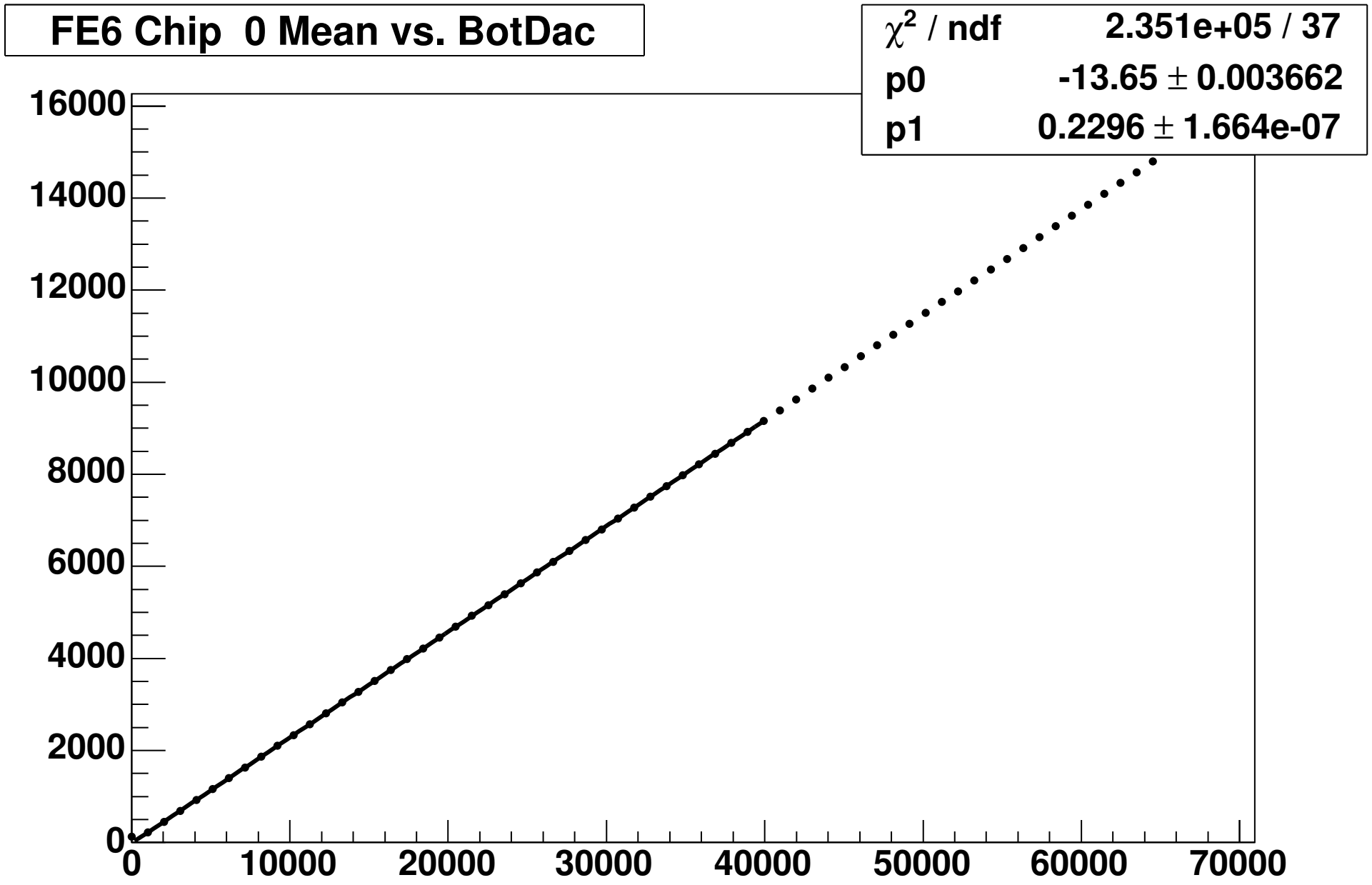

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 2870 / 37
p0 0.9894 ± 0.001901
p1 2.003e-05 ± 1.503e-07
1.6
1.4
1.2
1
0.8
0
10000
20000
30000
40000
50000
60000
70000

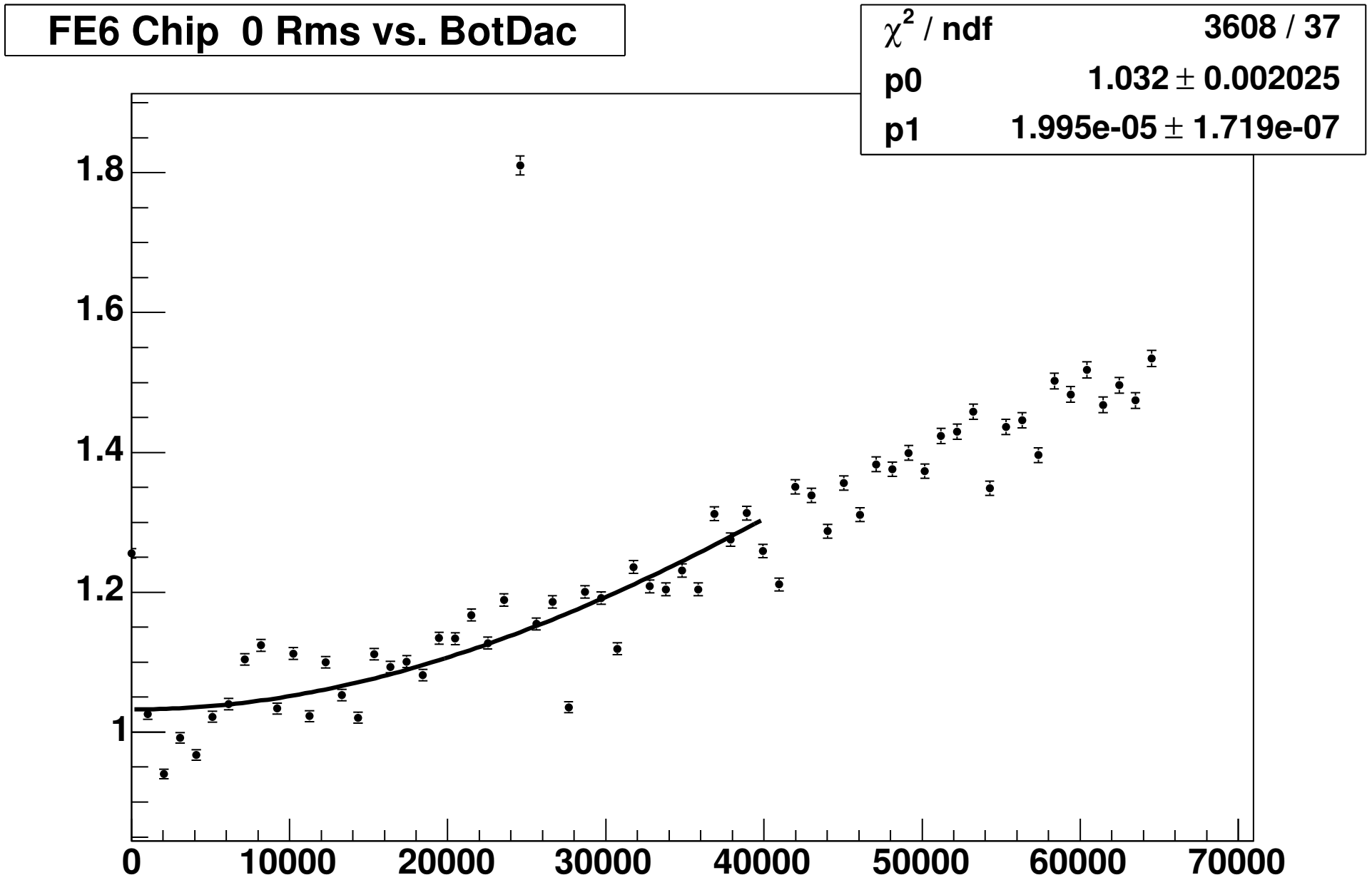

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 315.7 / 37
p0 180.6 ± 0.003298
p1 2.323e-06 ± 1.404e-07
180.9
180.85
180.8
180.75
180.7
180.65
180.6
180.55
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 34.67 / 37
p0 0.9473 ± 0.001742
p1 1.101e-06 ± 2.054e-06
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 3.895e+04 / 37
p0 34.34 ± 0.00366
p1 0.2296 ± 1.666e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 757.9 / 37
p0 1.019 ± 0.002009
p1 2.009e-05 ± 1.685e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 2.351e+05 / 37
p0 -13.65 ± 0.003662
p1 0.2296 ± 1.664e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 3608 / 37
p0 1.032 ± 0.002025
p1 1.995e-05 ± 1.719e-07
1.8
1.6
1.4
1.2
1
0
10000
20000
30000
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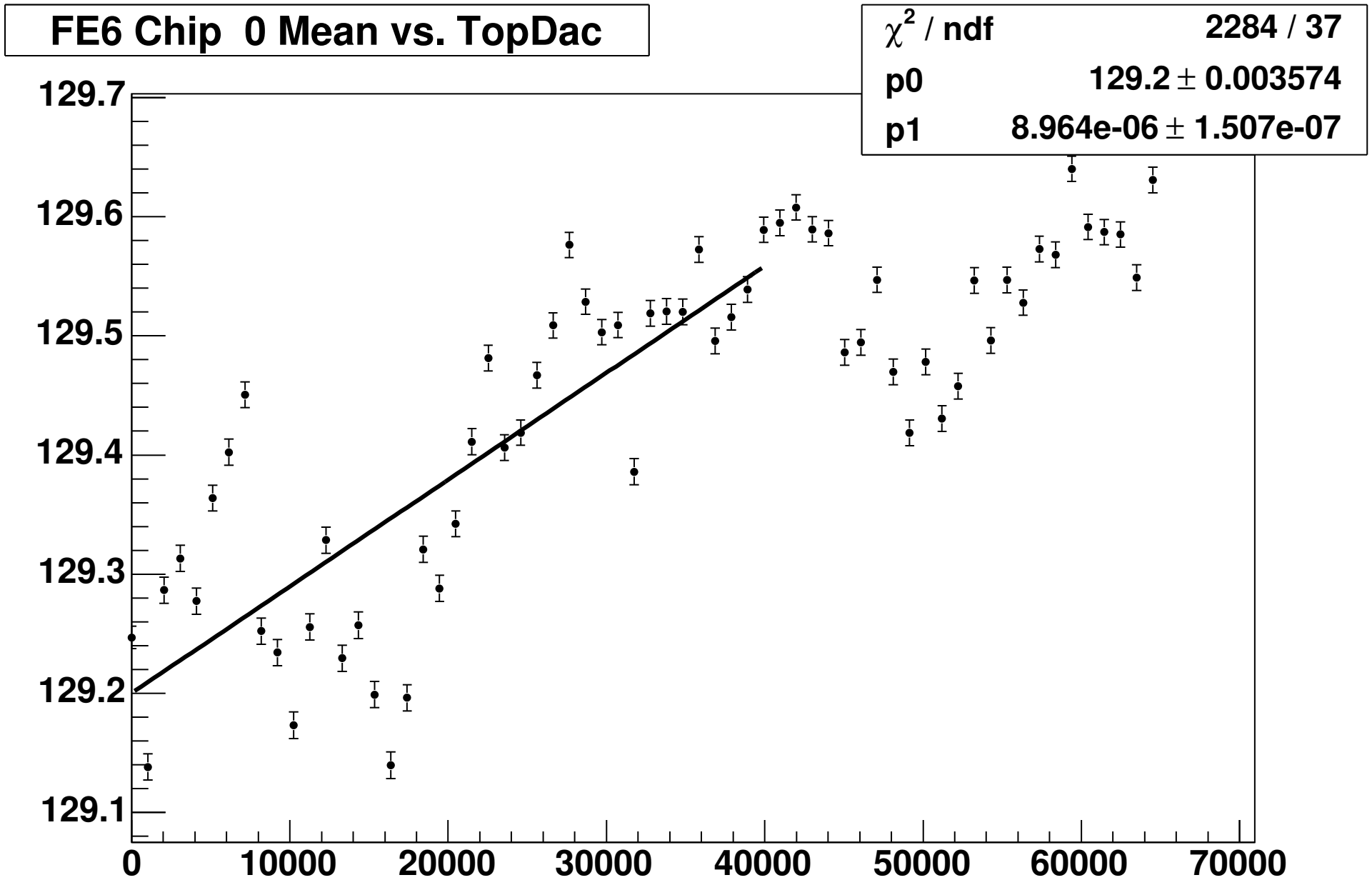
FE6 Chip 0 Mean vs. TopDac
χ² / ndf 2284 / 37
p0 129.2 ± 0.003574
p1 8.964e-06 ± 1.507e-07
129.7
129.6
129.5
129.4
129.3
129.2
129.1
0
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30000
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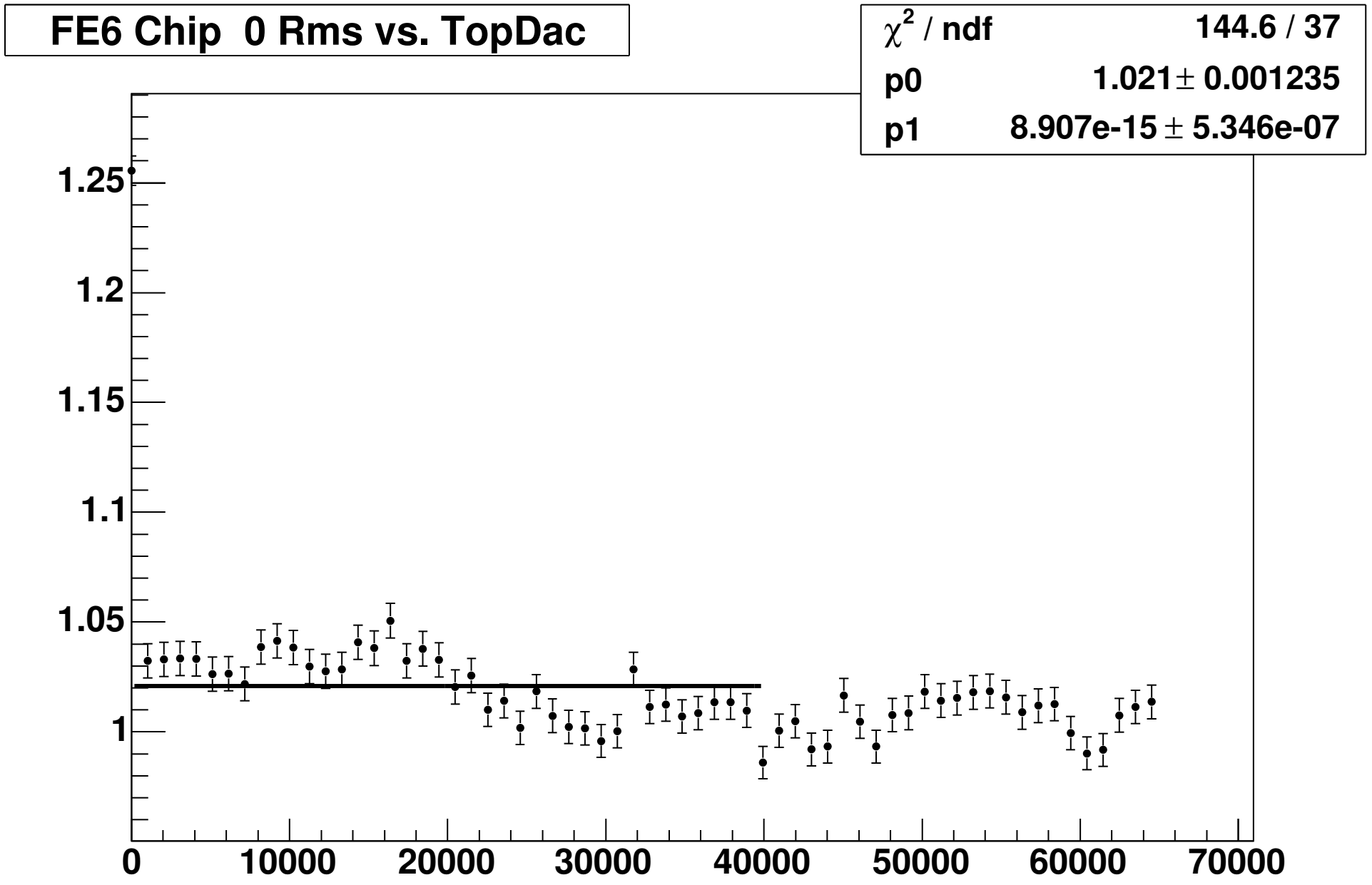
FE6 Chip 0 Rms vs. TopDac
χ² / ndf 144.6 / 37
p0 1.021 ± 0.001235
p1 8.907e-15 ± 5.346e-07
1.25
1.2
1.15
1.1
1.05
1
0
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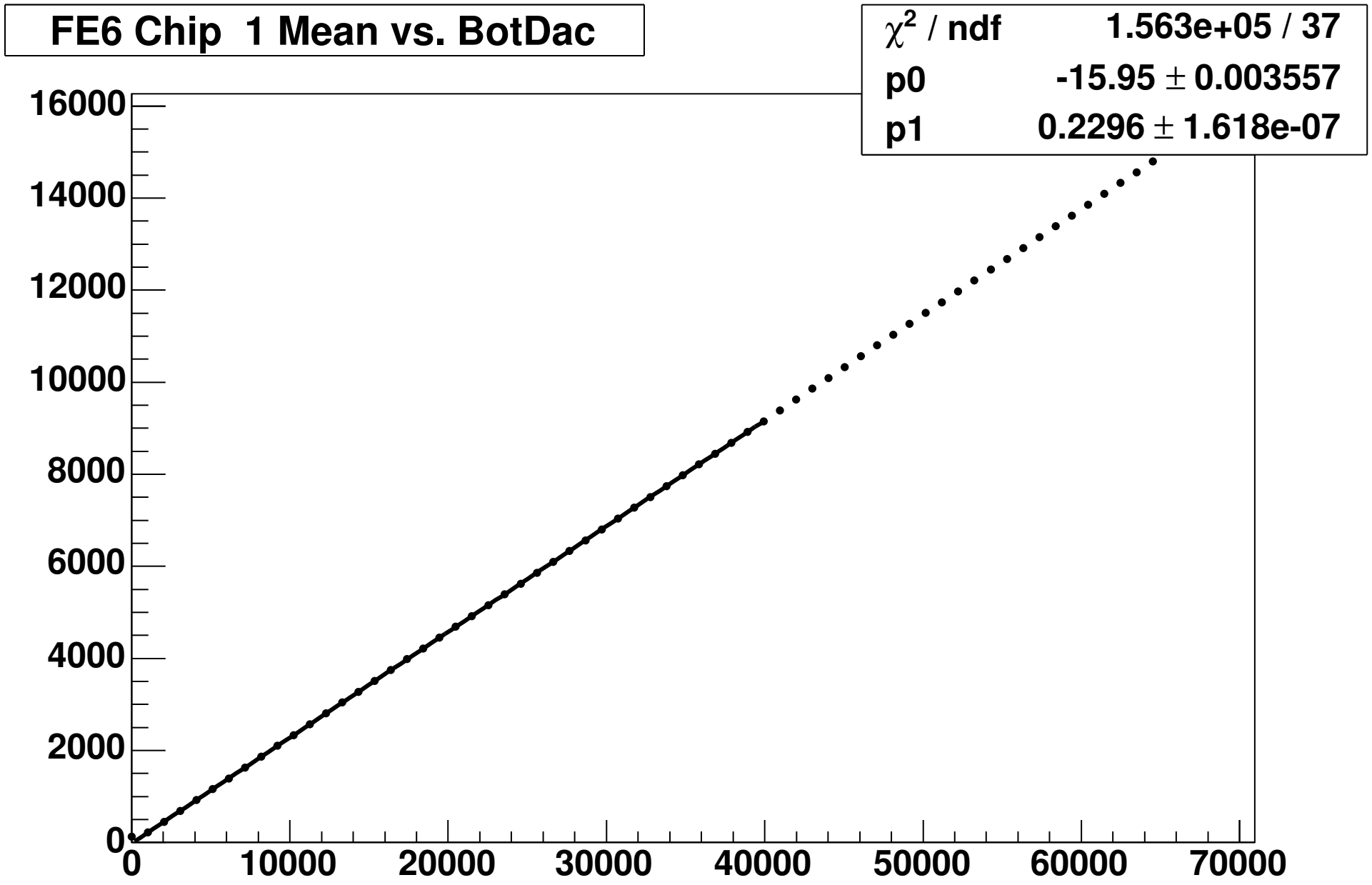
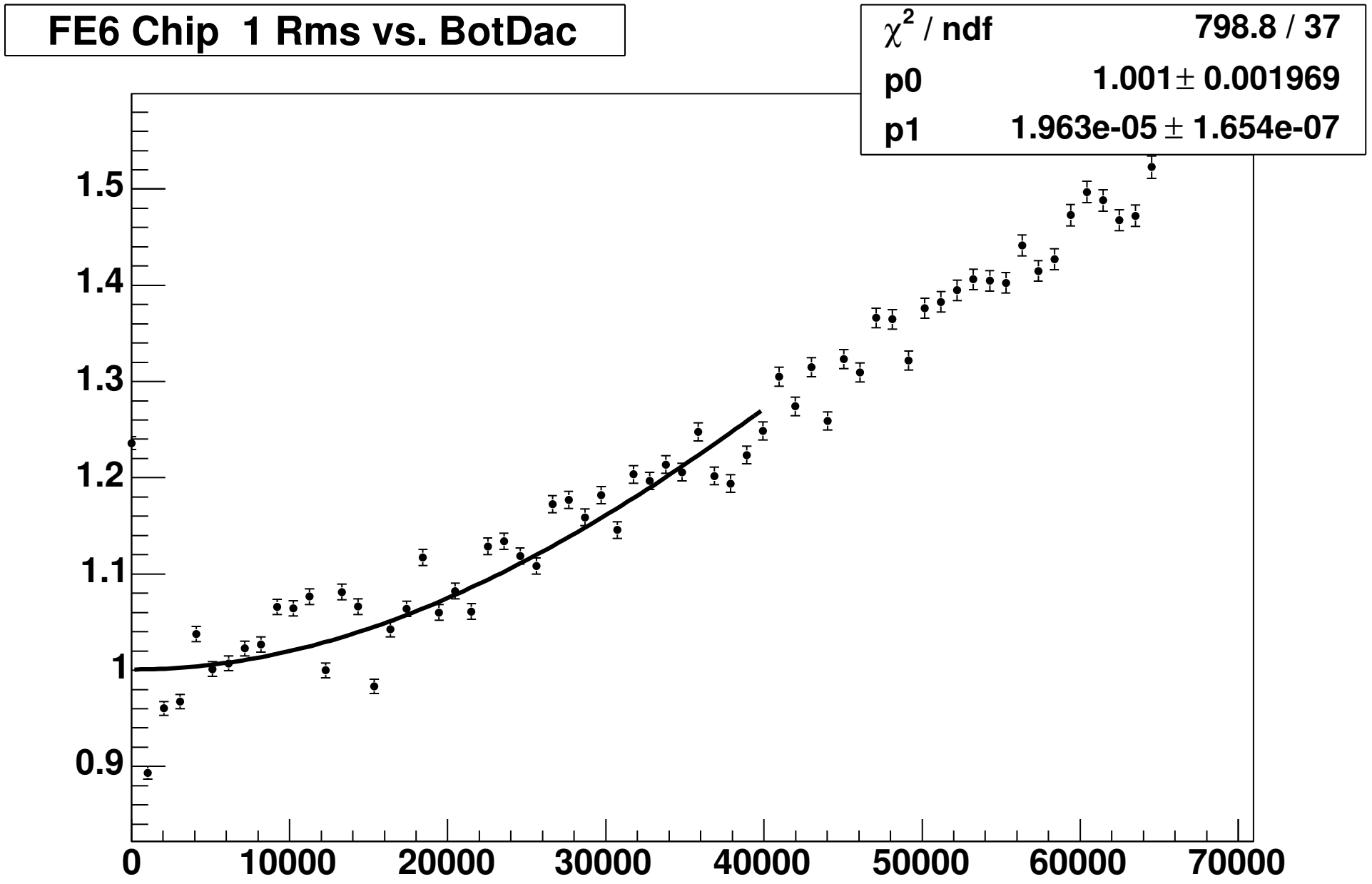

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.563e+05 / 37
p0 -15.95 ± 0.003557
p1 0.2296 ± 1.618e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 798.8 / 37
p0 1.001 ± 0.001969
p1 1.963e-05 ± 1.654e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
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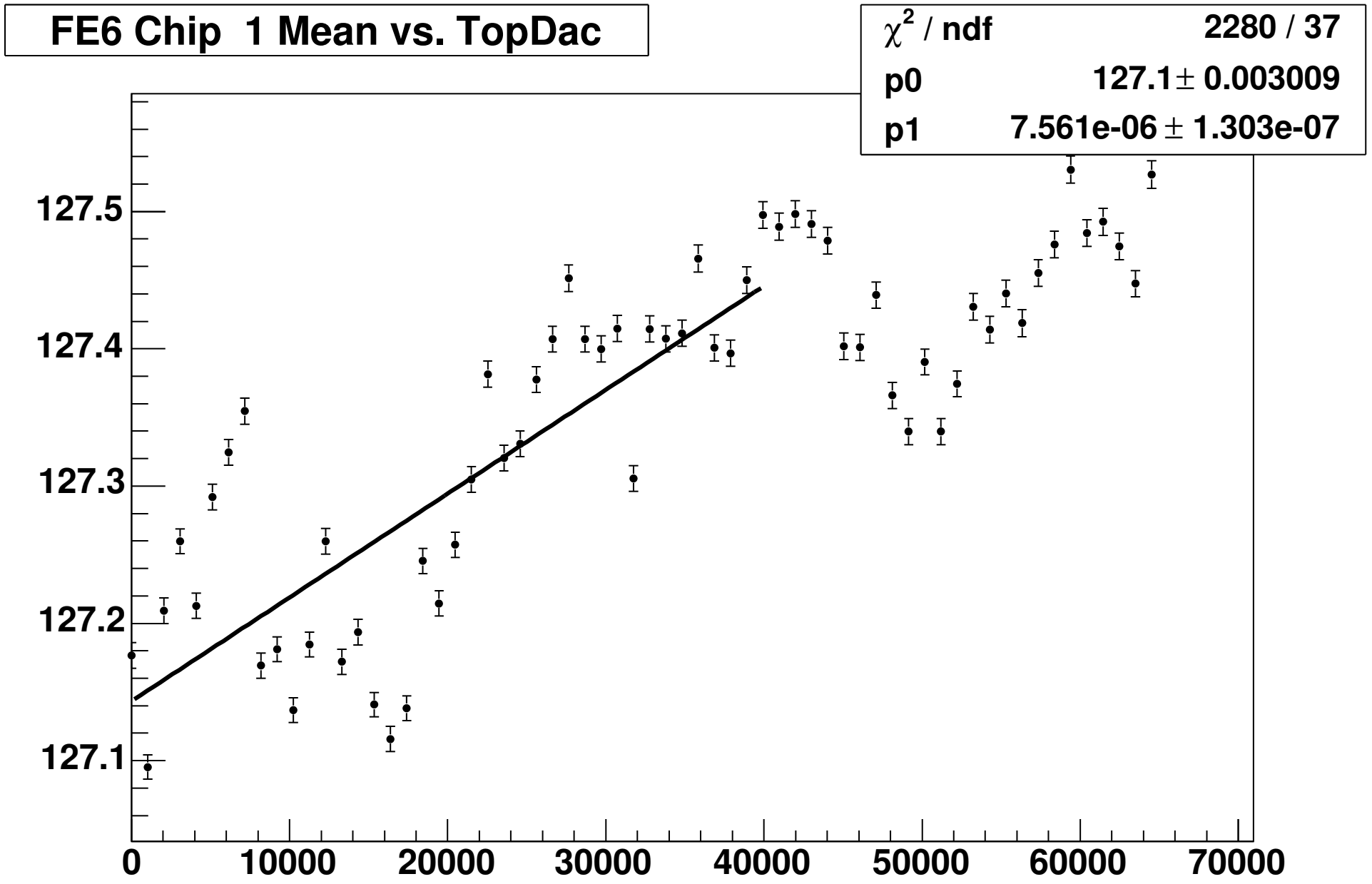
FE6 Chip 1 Mean vs. TopDac
χ² / ndf 2280 / 37
p0 127.1 ± 0.003009
p1 7.561e-06 ± 1.303e-07
127.5
127.4
127.3
127.2
127.1
0
10000
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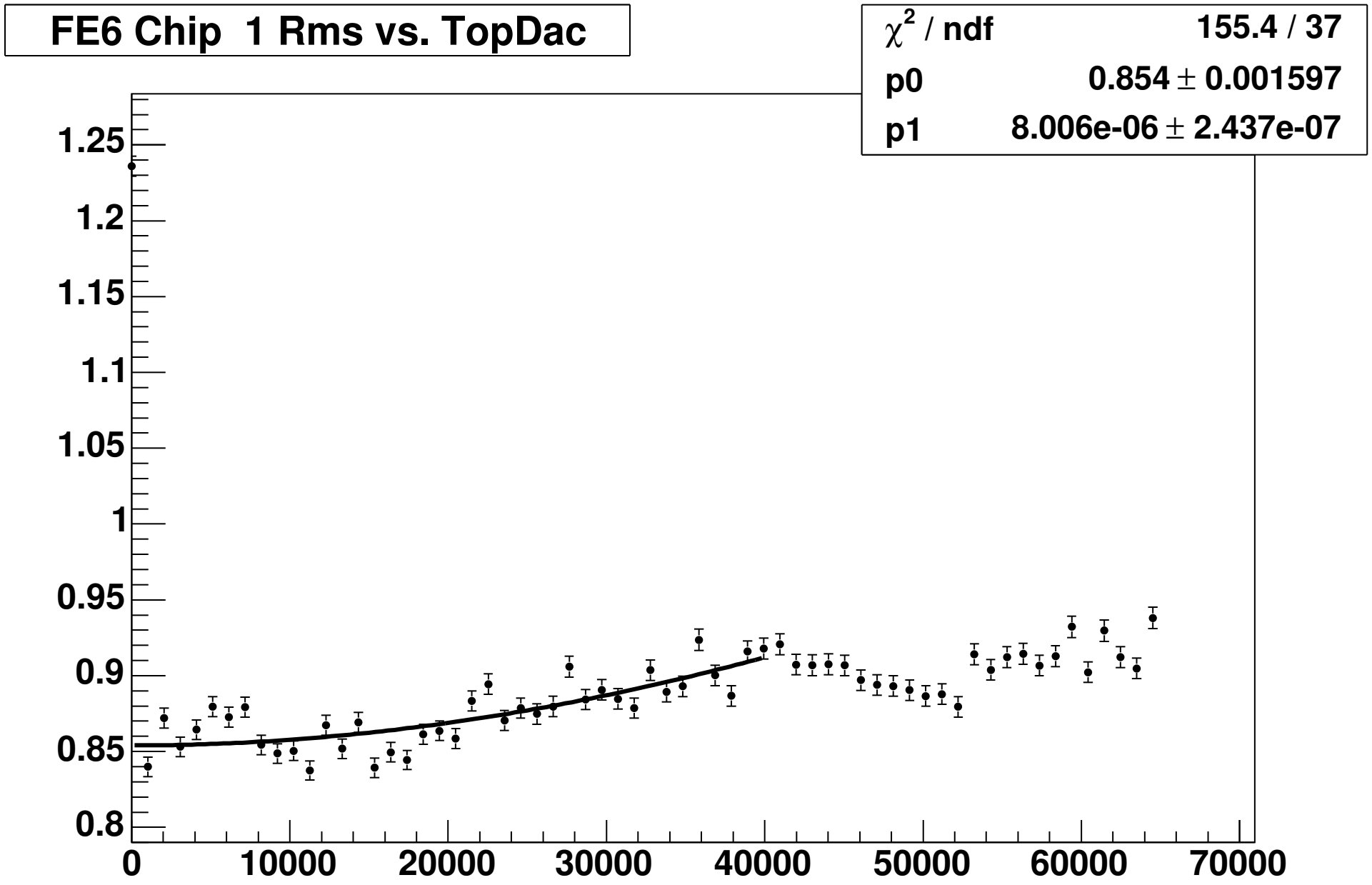
FE6 Chip 1 Rms vs. TopDac
χ² / ndf 155.4 / 37
p0 0.854 ± 0.001597
p1 8.006e-06 ± 2.437e-07
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
0.8
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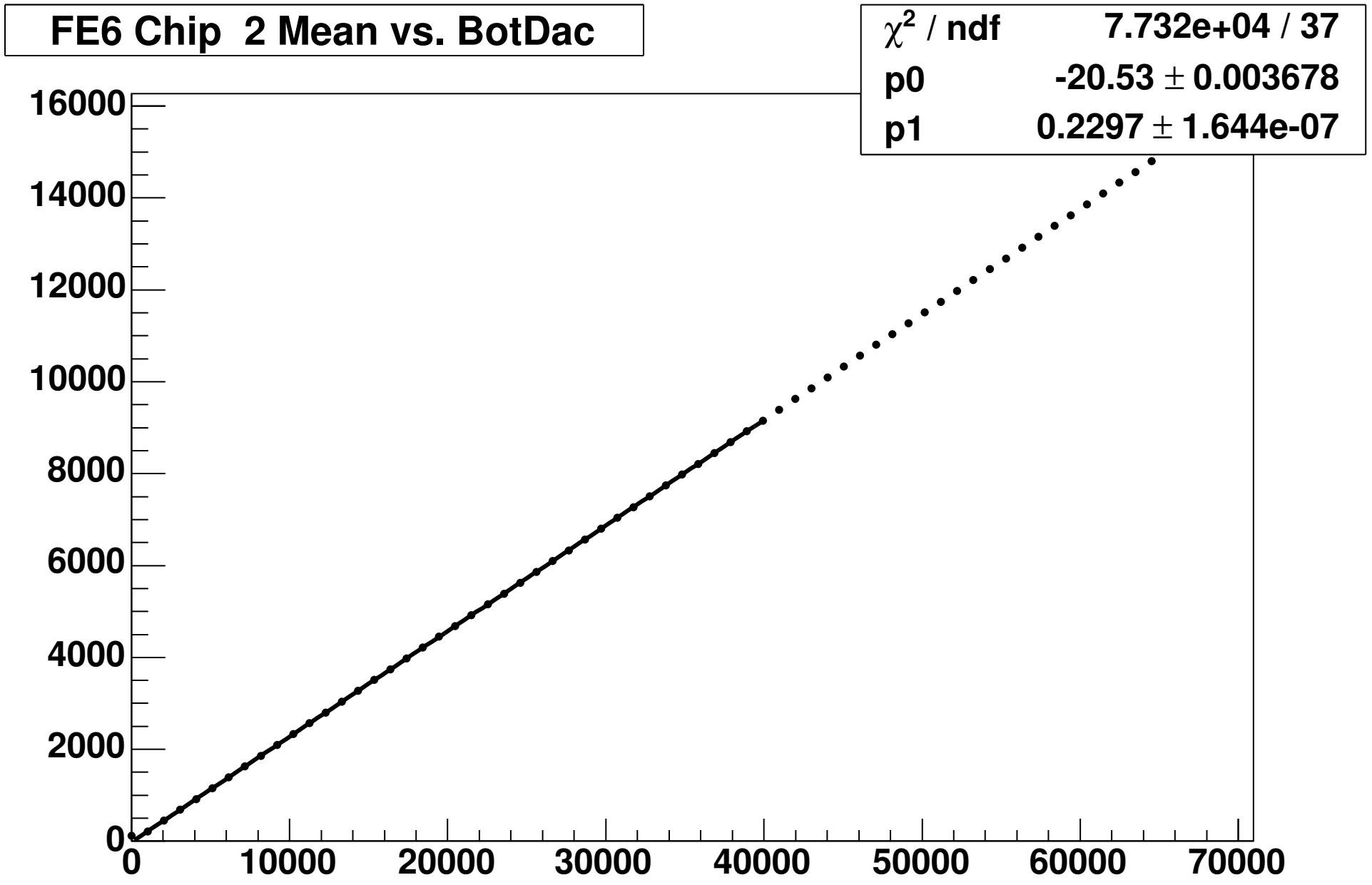
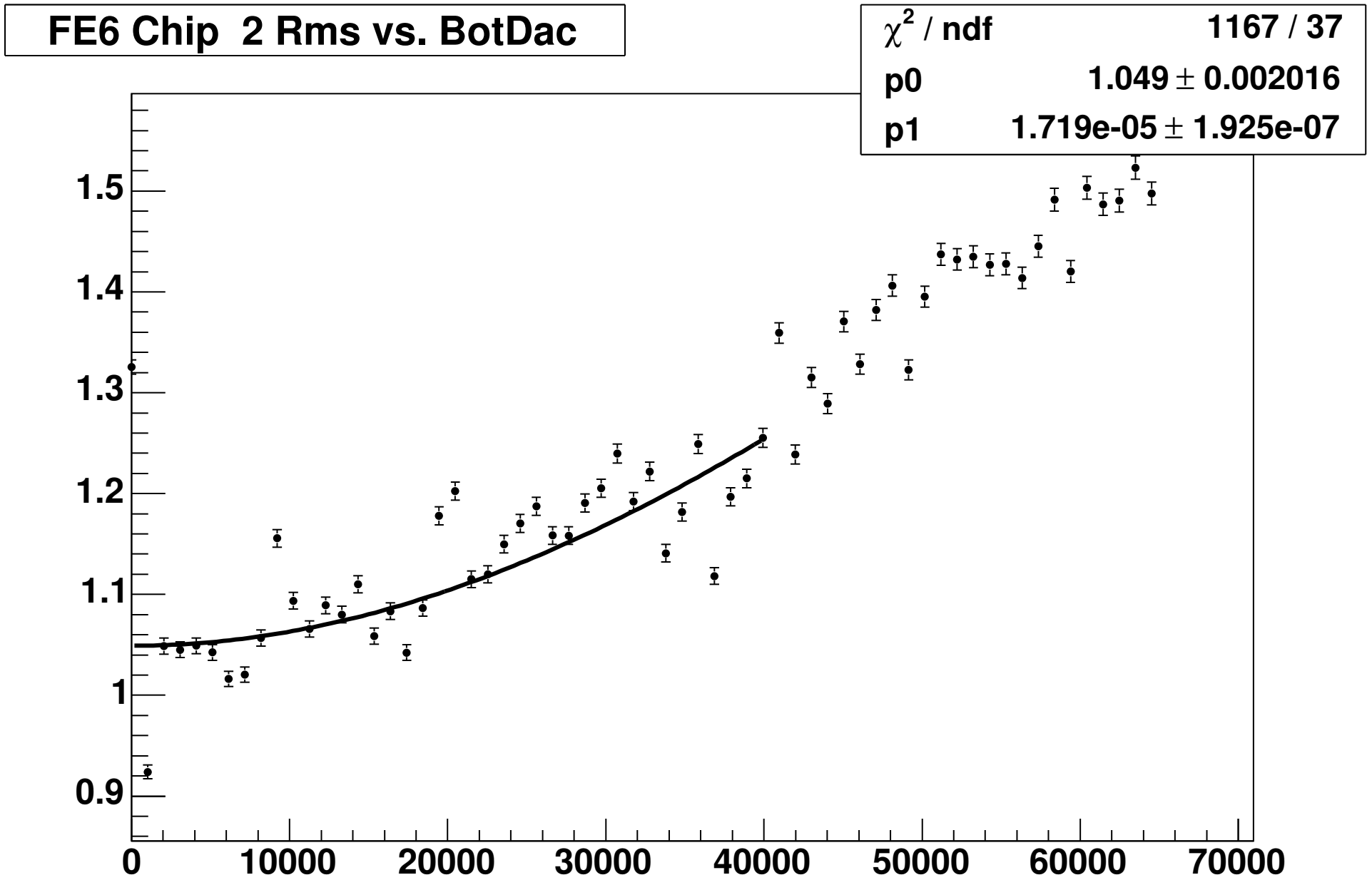

FE6 Chip 2 Mean vs. BotDac
χ² / ndf 7.732e+04 / 37
p0 -20.53 ± 0.003678
p1 0.2297 ± 1.644e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1167 / 37
p0 1.049 ± 0.002016
p1 1.719e-05 ± 1.925e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
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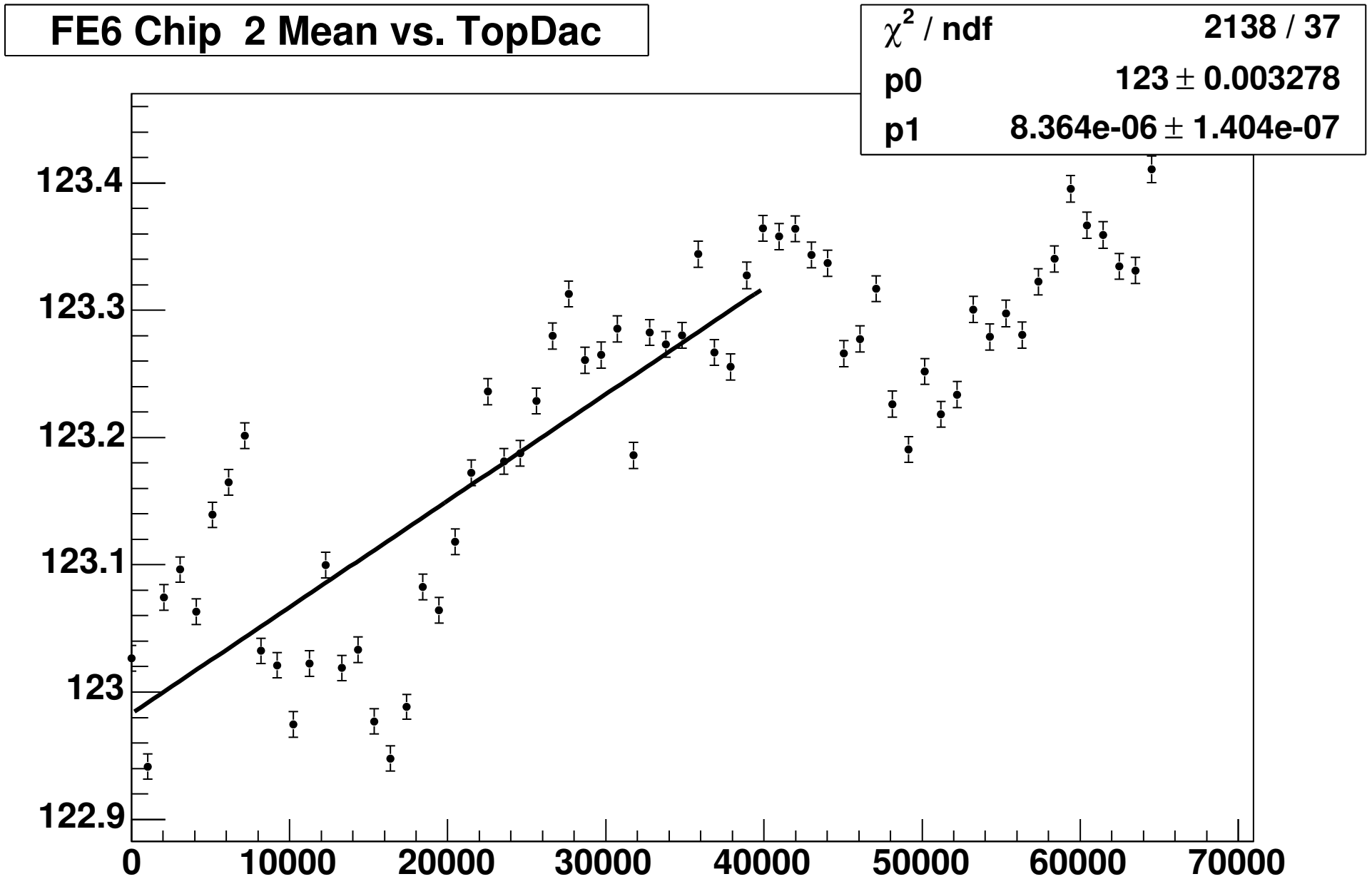
40000
50000
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 2138 / 37
p0 123 ± 0.003278
p1 8.364e-06 ± 1.404e-07
123.4
123.3
123.2
123.1
123
122.9
0
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60000
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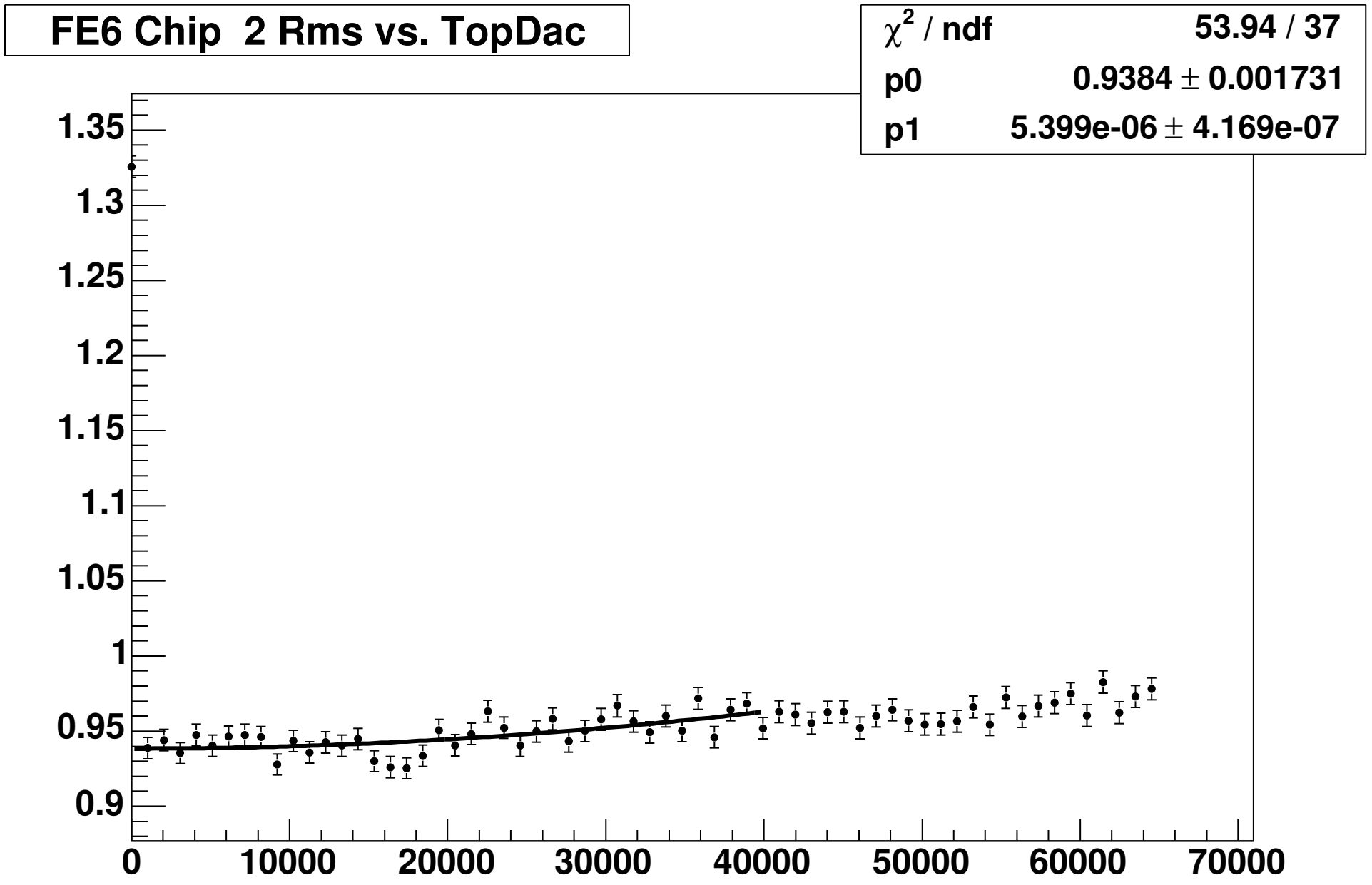
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 53.94 / 37
p0 0.9384 ± 0.001731
p1 5.399e-06 ± 4.169e-07
1.35
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
30000
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50000
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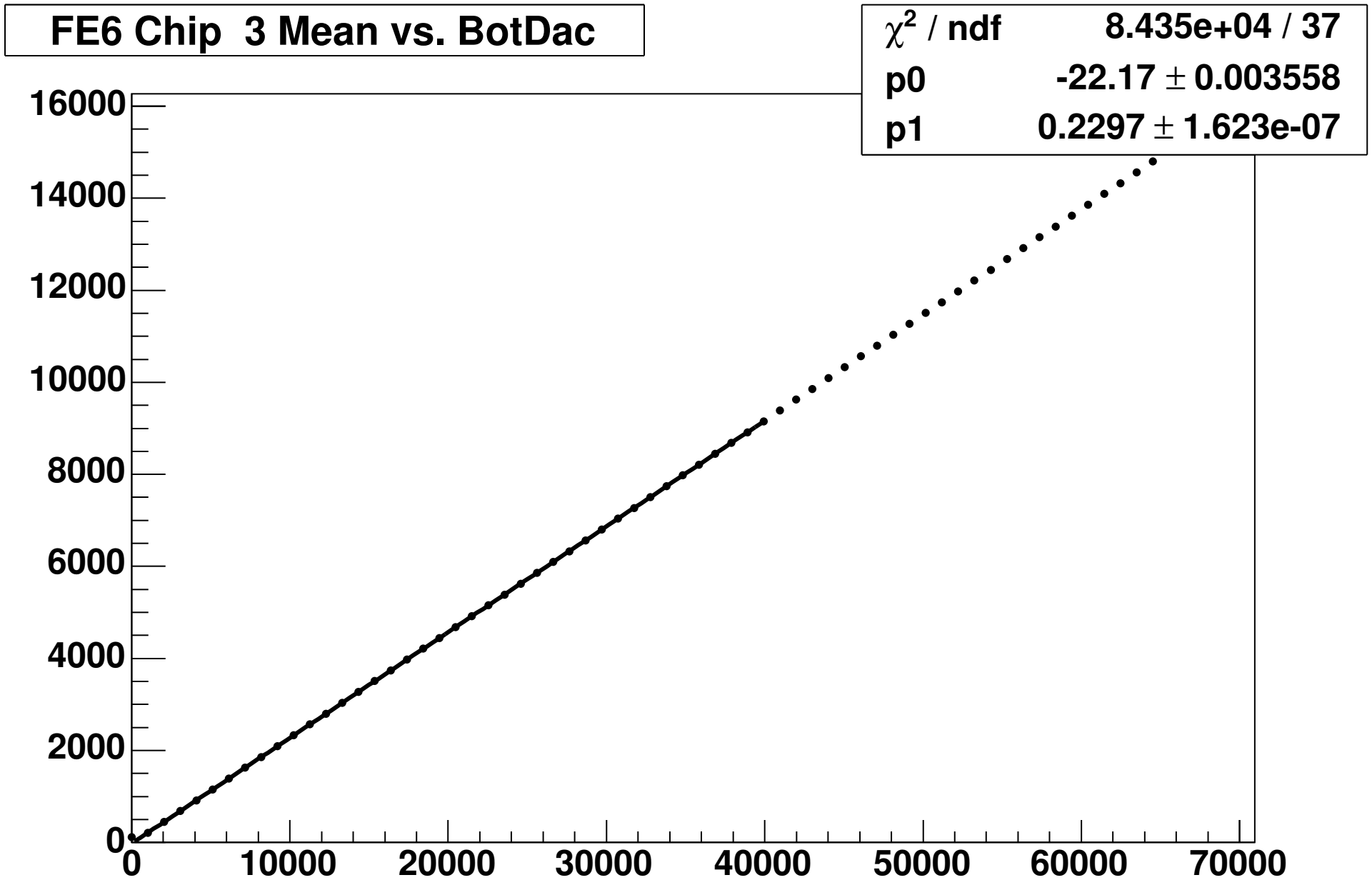
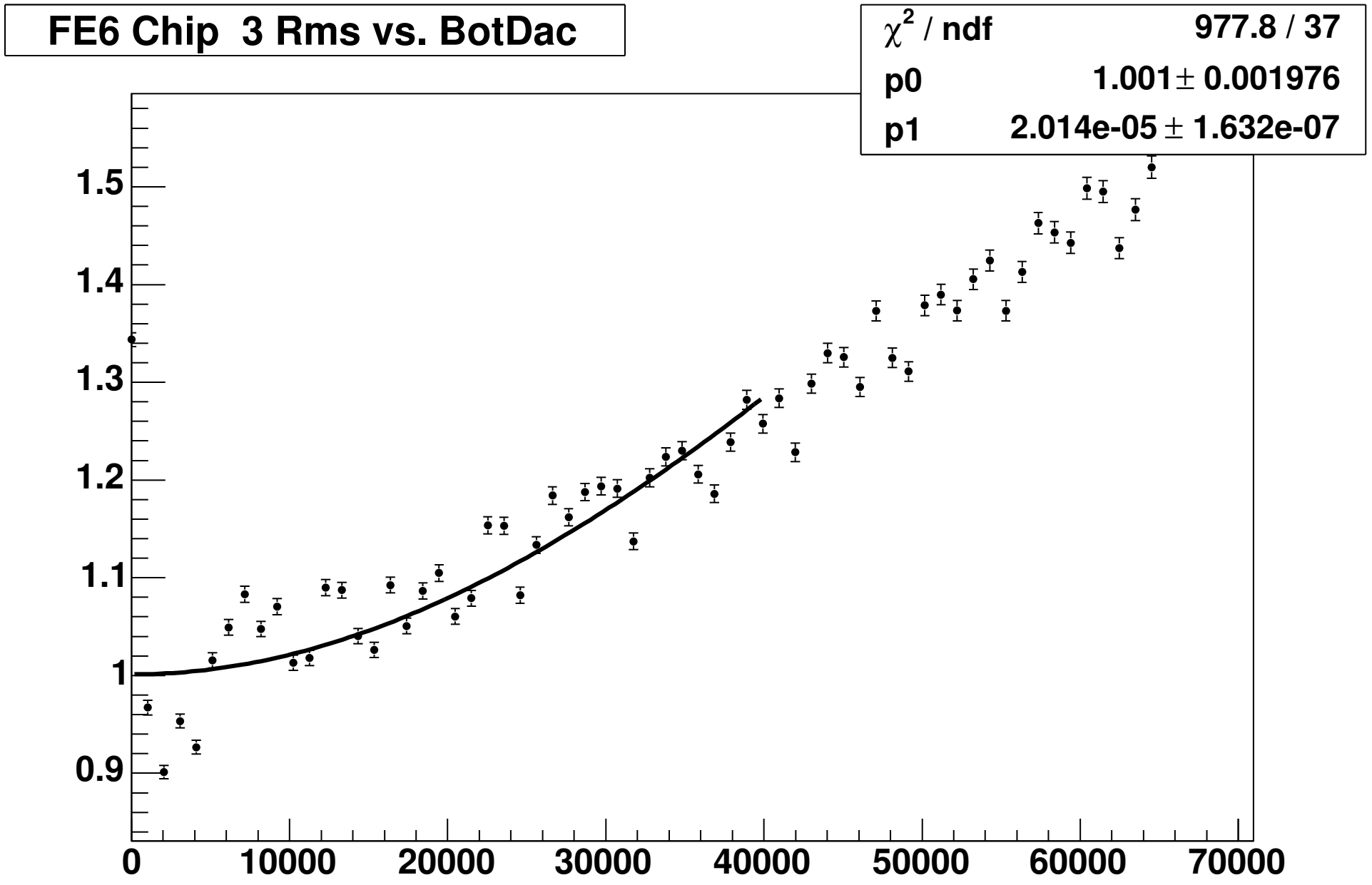

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 8.435e+04 / 37
p0 -22.17 ± 0.003558
p1 0.2297 ± 1.623e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 977.8 / 37
p0 1.001 ± 0.001976
p1 2.014e-05 ± 1.632e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
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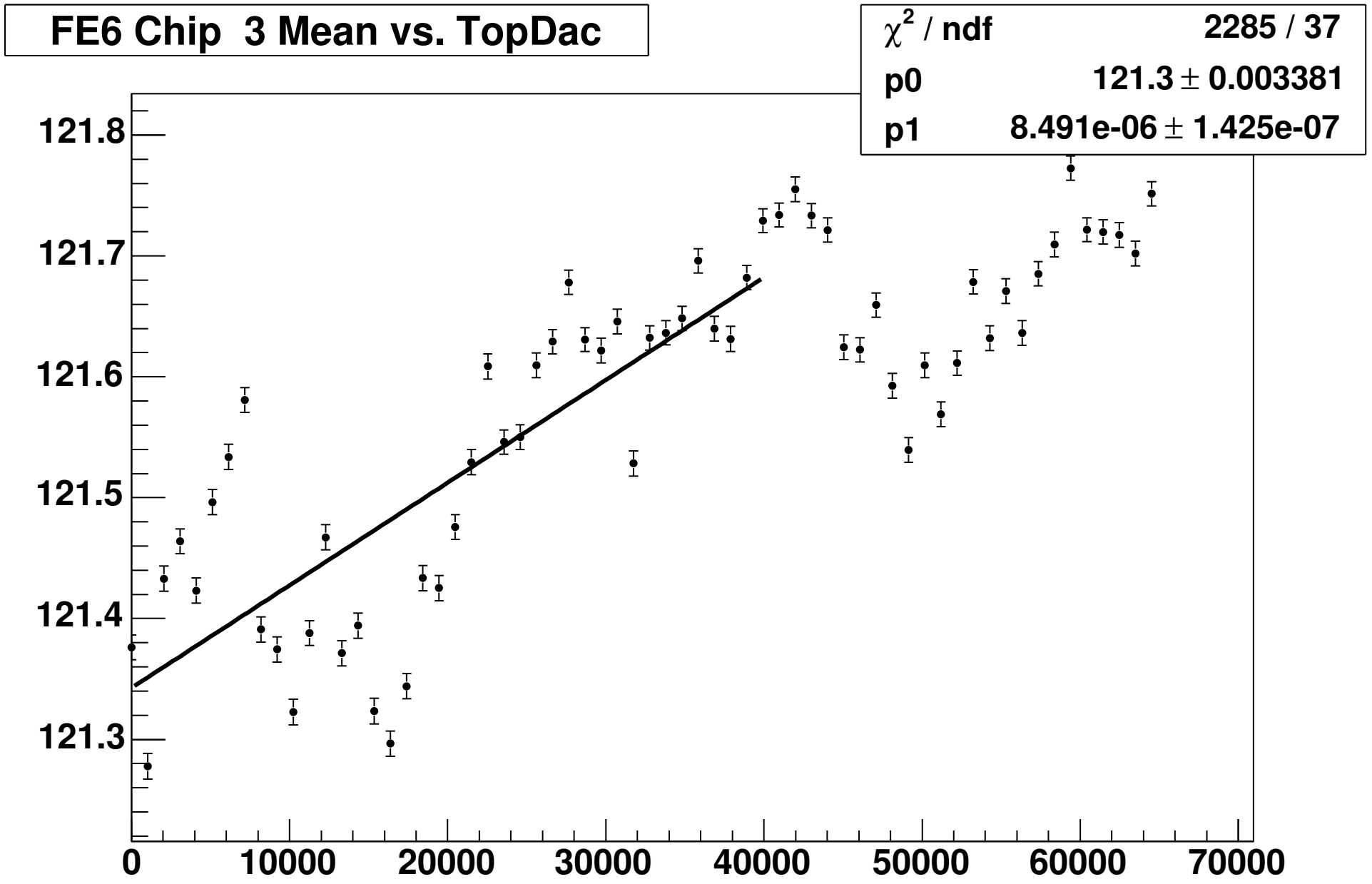
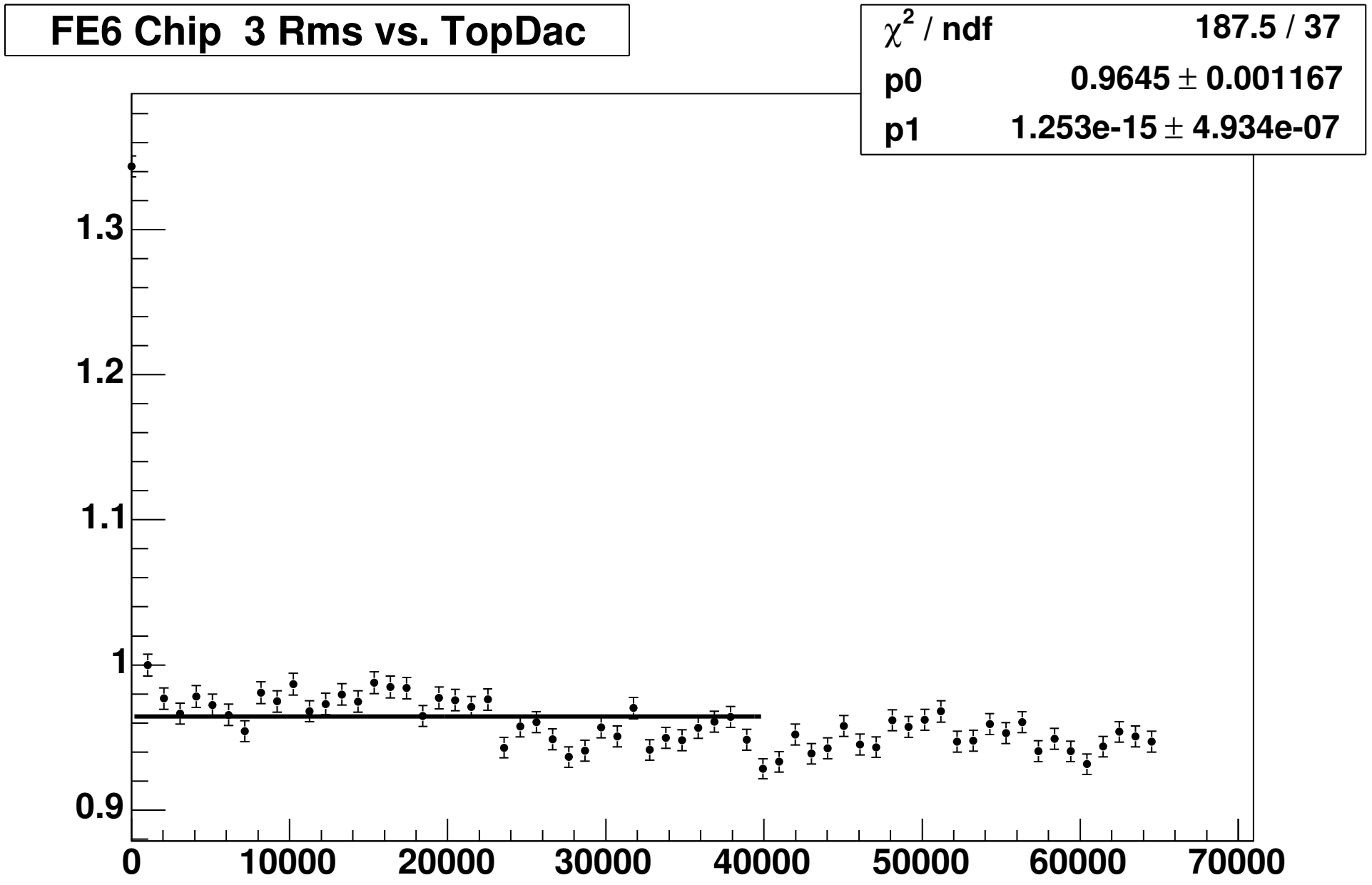
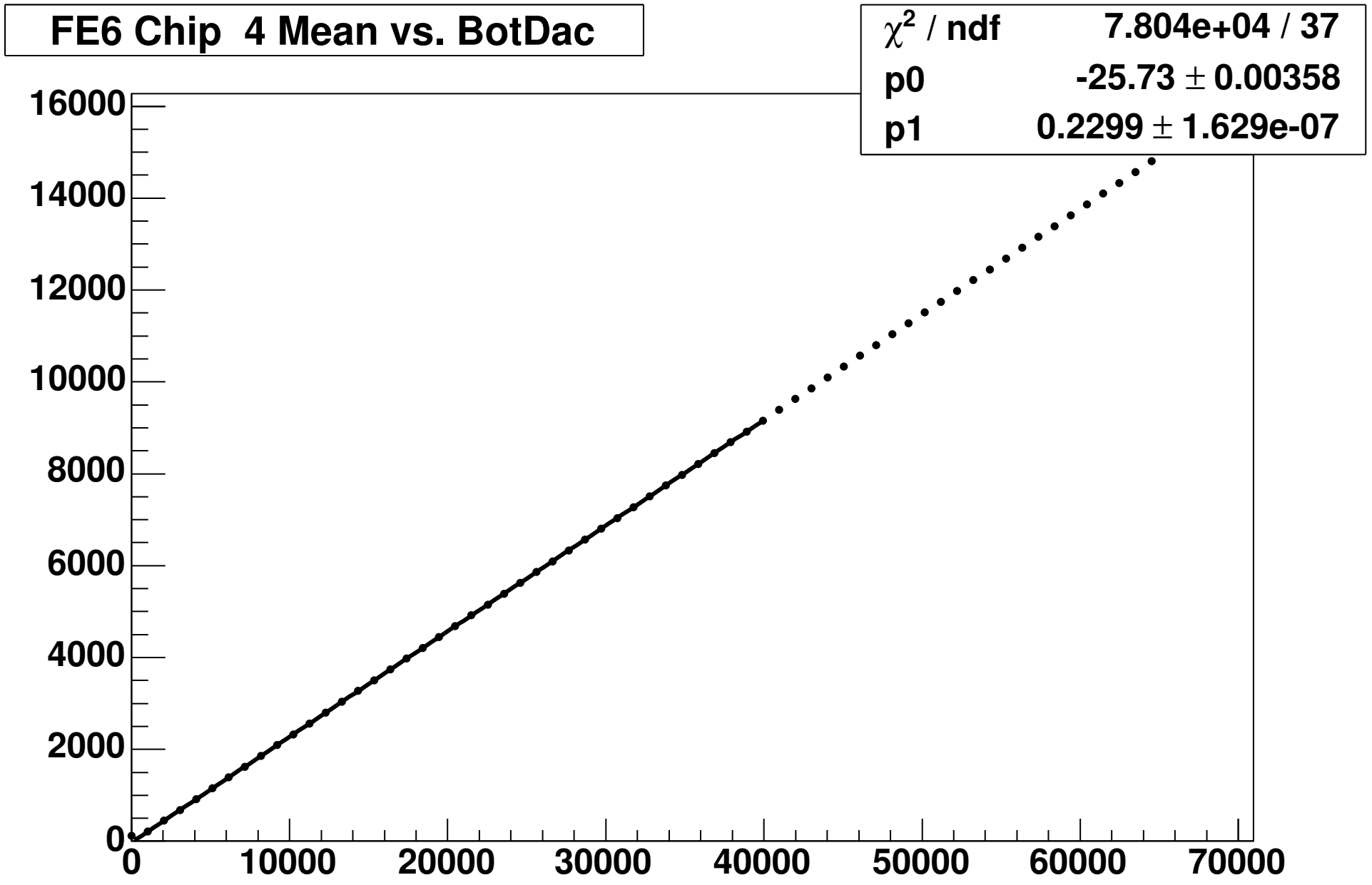
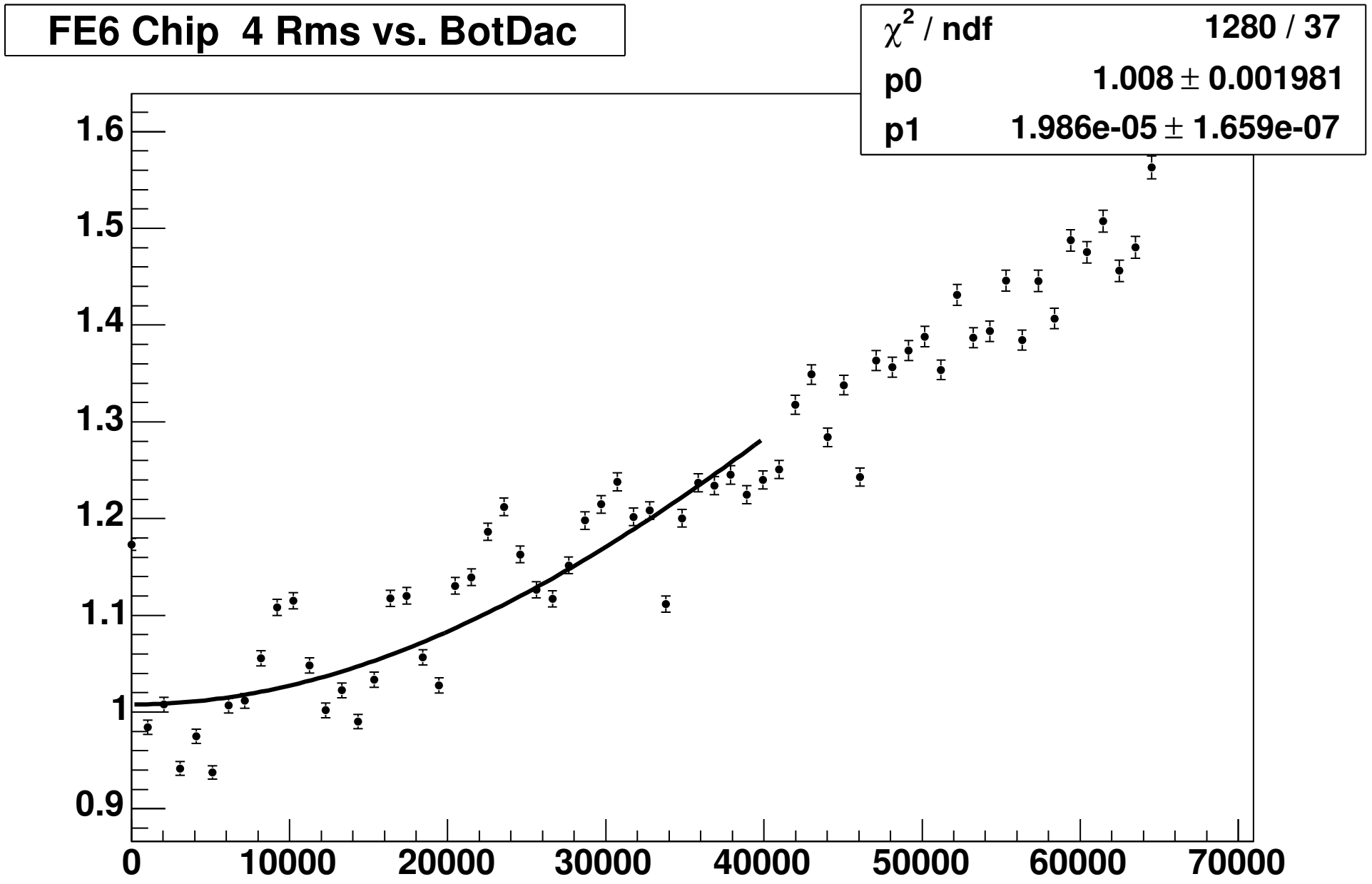
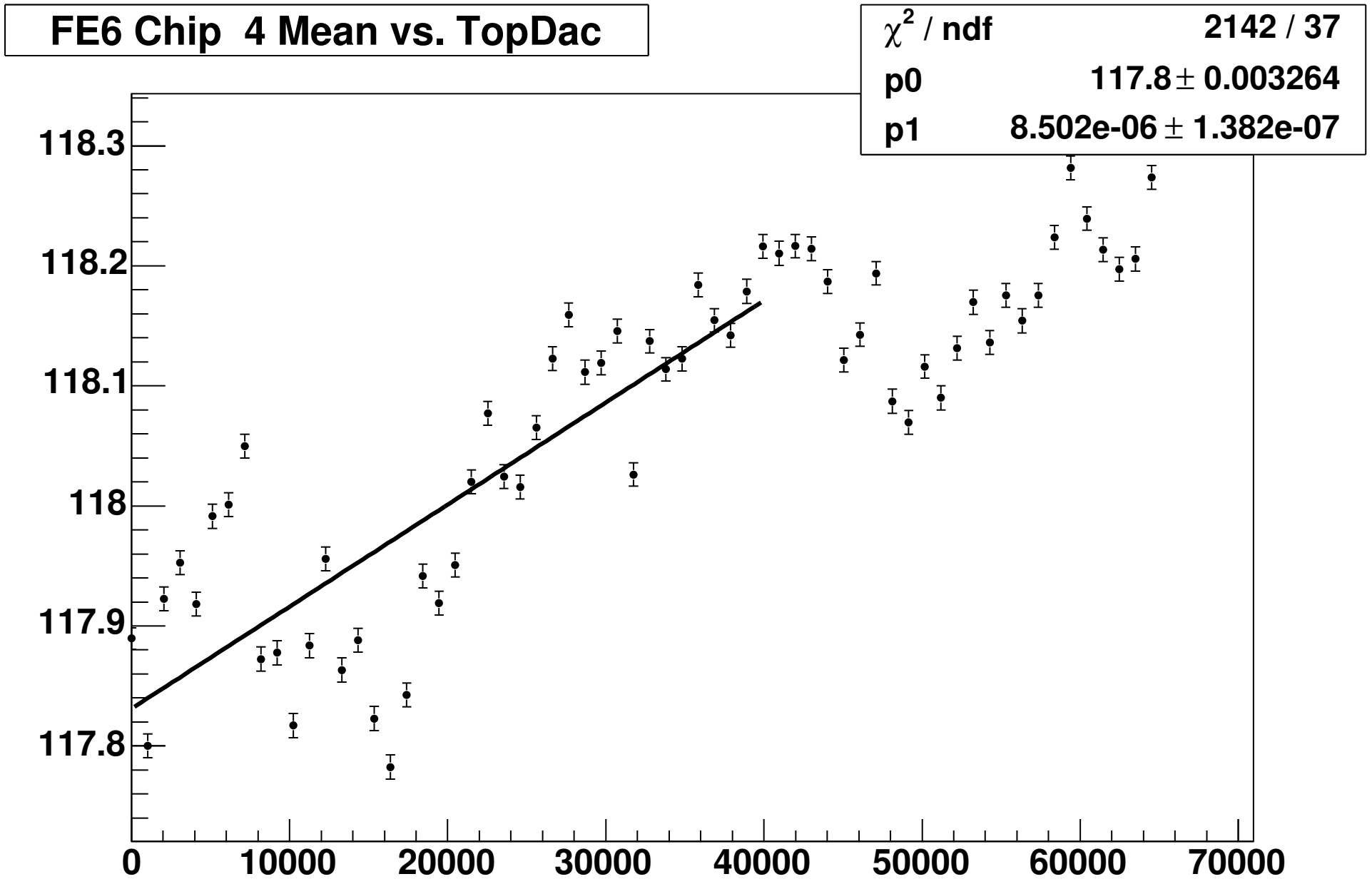
60000
70000

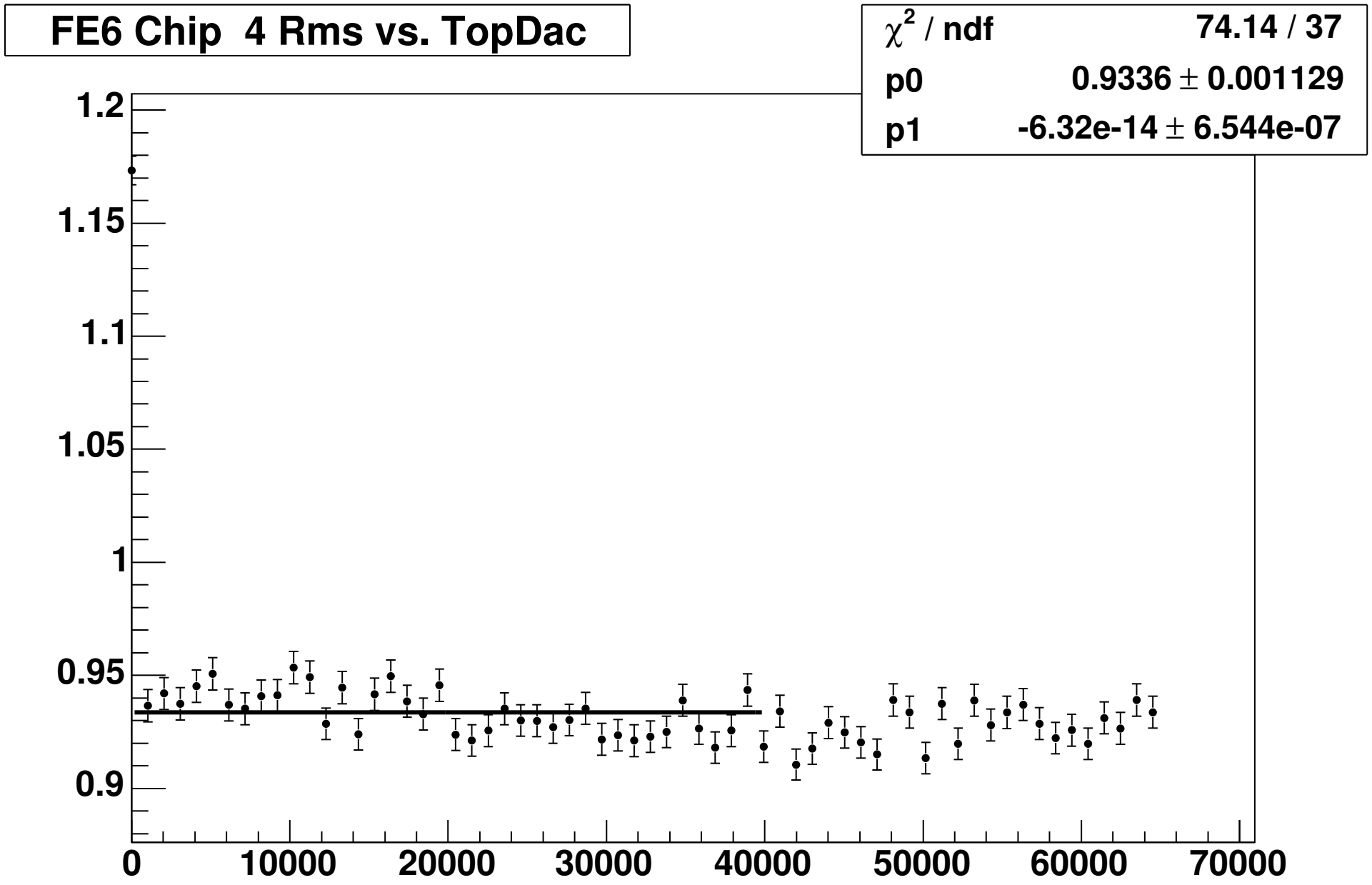

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 2285 / 37
p0 121.3 ± 0.003381
p1 8.491e-06 ± 1.425e-07
121.8
121.7
121.6
121.5
121.4
121.3
0
10000
20000
30000
40000
50000
60000
70000

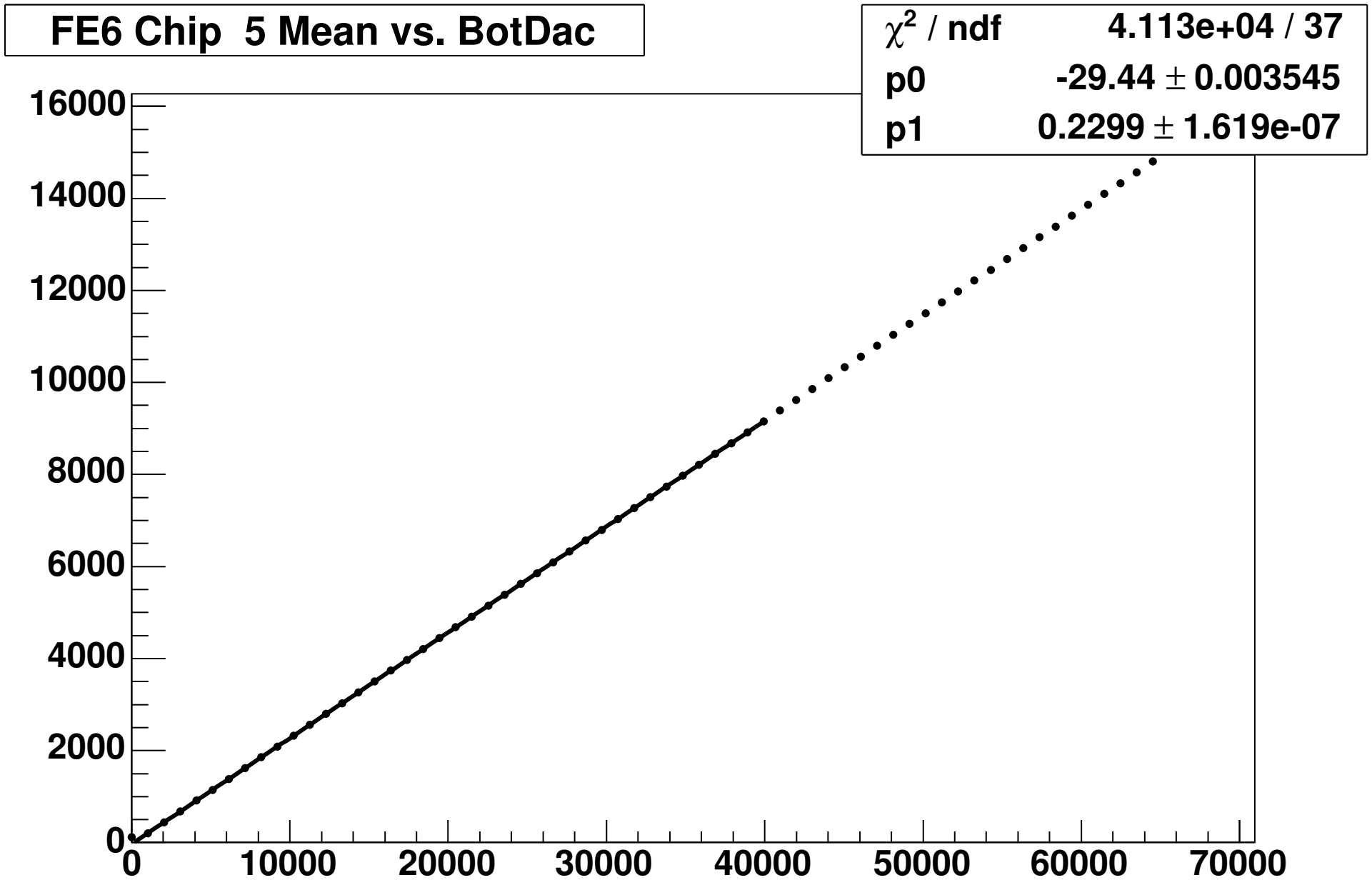

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 187.5 / 37
p0 0.9645 ± 0.001167
p1 1.253e-15 ± 4.934e-07
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

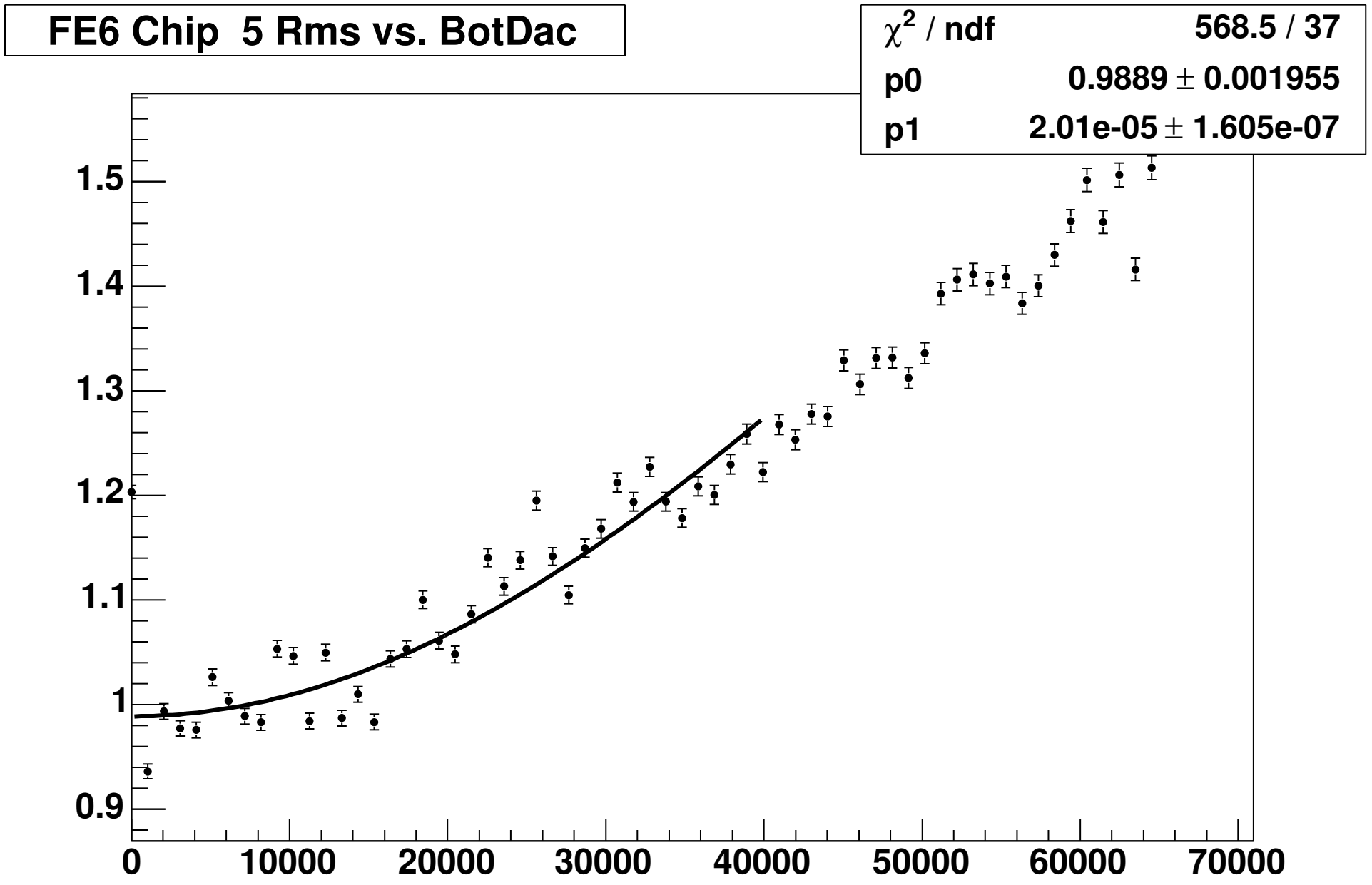

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 7.804e+04 / 37
p0 -25.73 ± 0.00358
p1 0.2299 ± 1.629e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

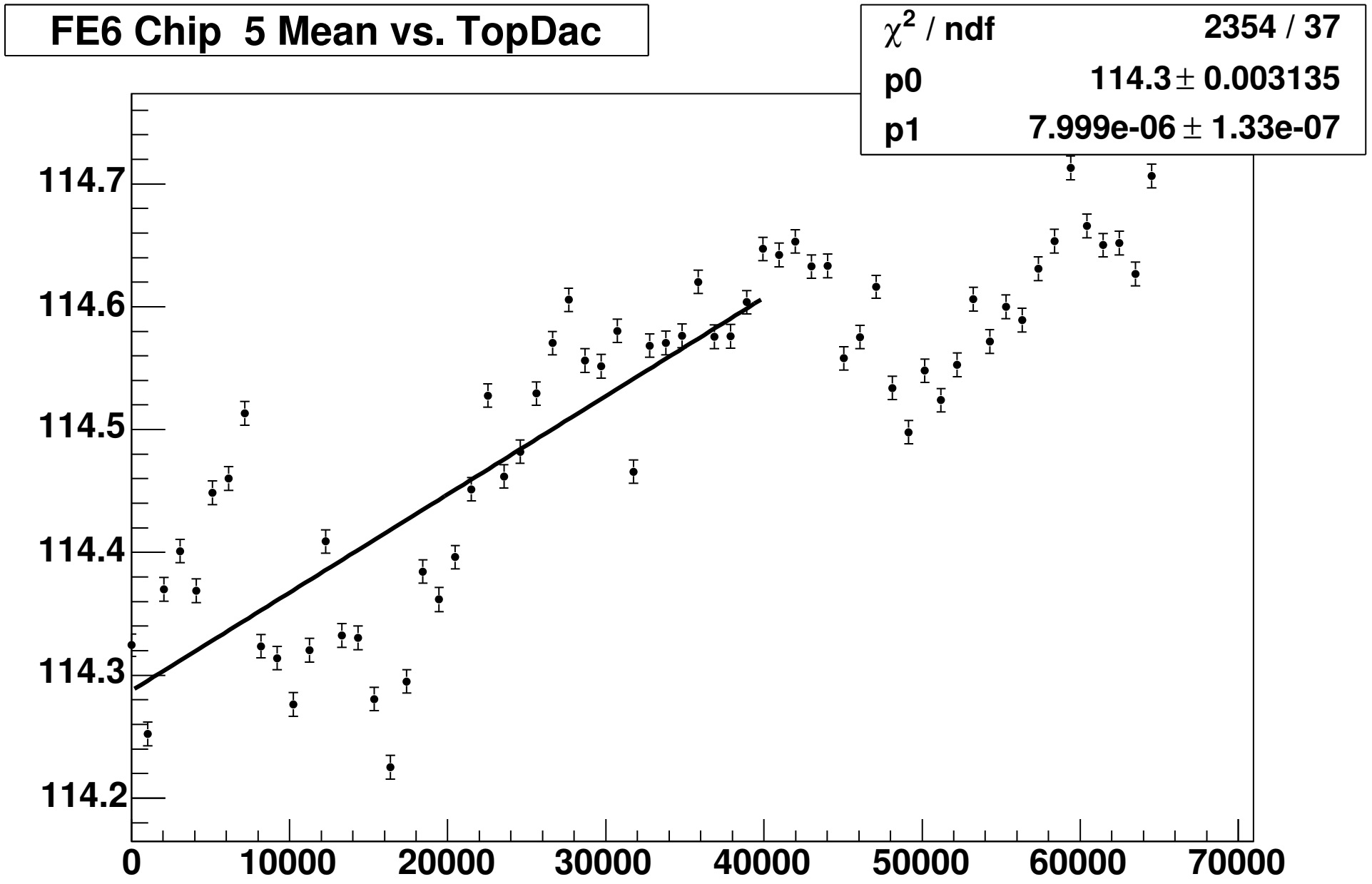

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1280 / 37
p0 1.008 ± 0.001981
p1 1.986e-05 ± 1.659e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

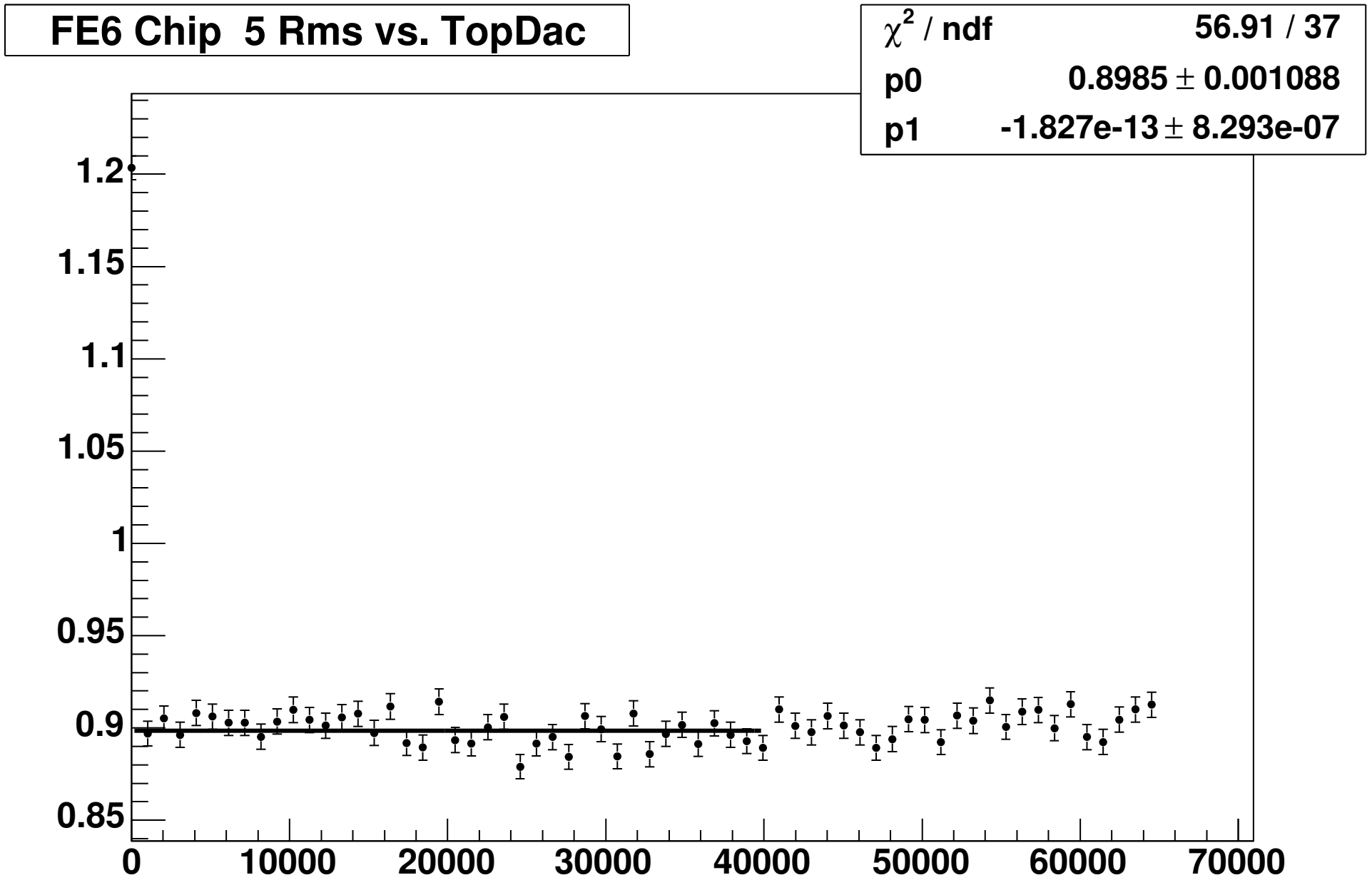

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 2142 / 37
p0 117.8 ± 0.003264
p1 8.502e-06 ± 1.382e-07
118.3
118.2
118.1
118
117.9
117.8
0
10000
20000
30000
40000
50000
60000
70000

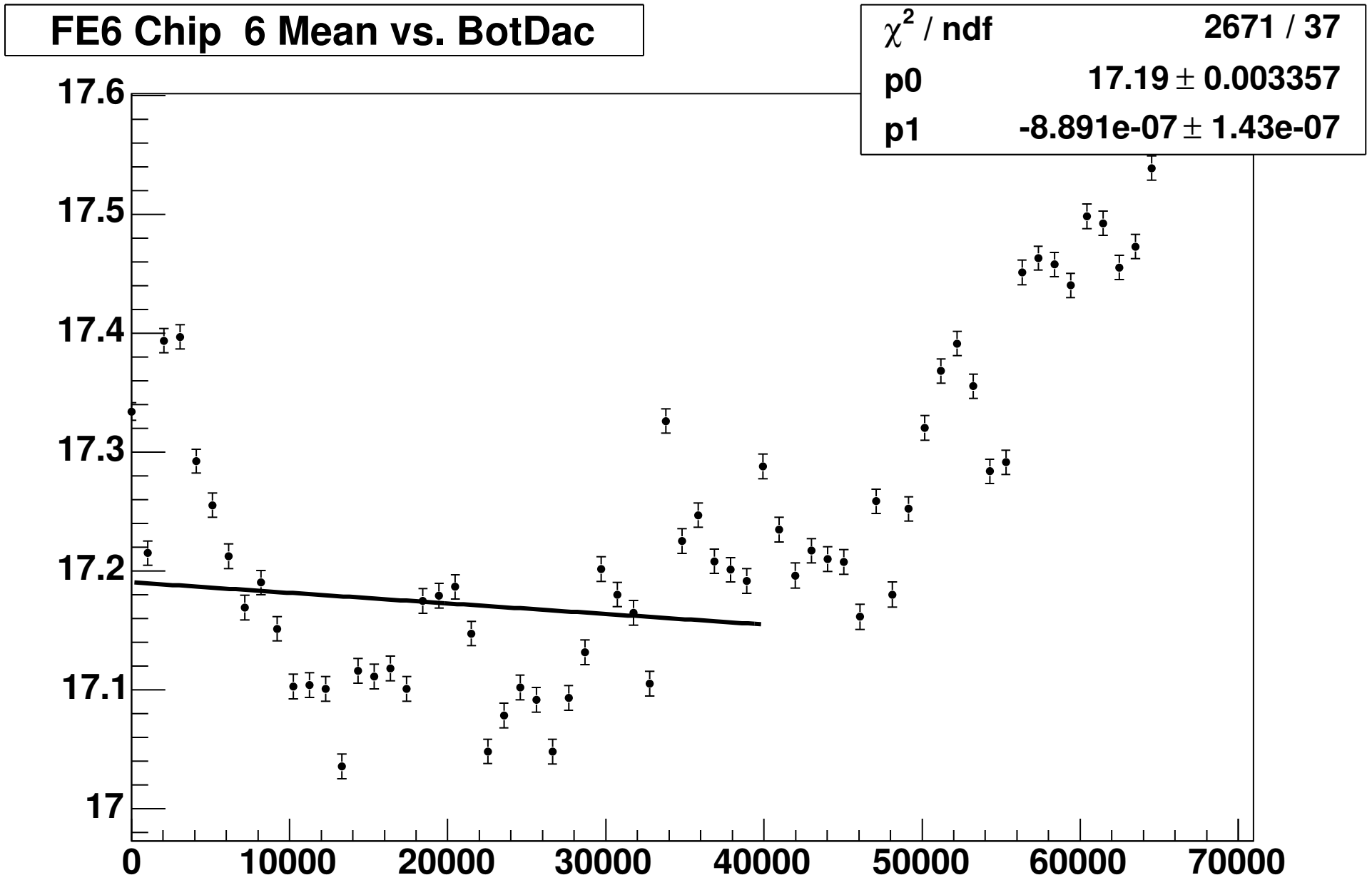

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 74.14 / 37
p0 0.9336 ± 0.001129
p1 -6.32e-14 ± 6.544e-07
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
30000
40000
50000
60000
70000

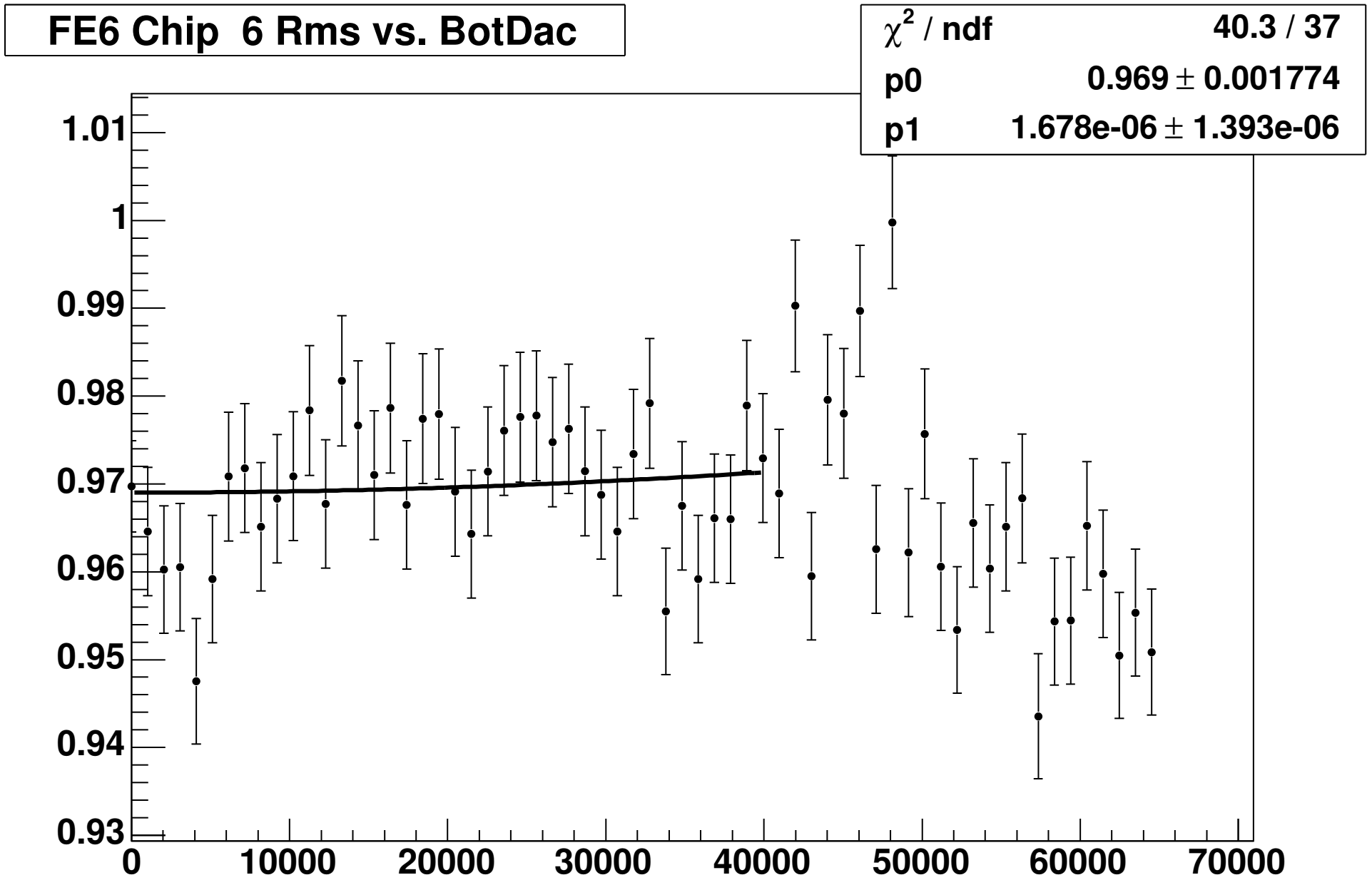

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 4.113e+04 / 37
p0 -29.44 ± 0.003545
p1 0.2299 ± 1.619e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

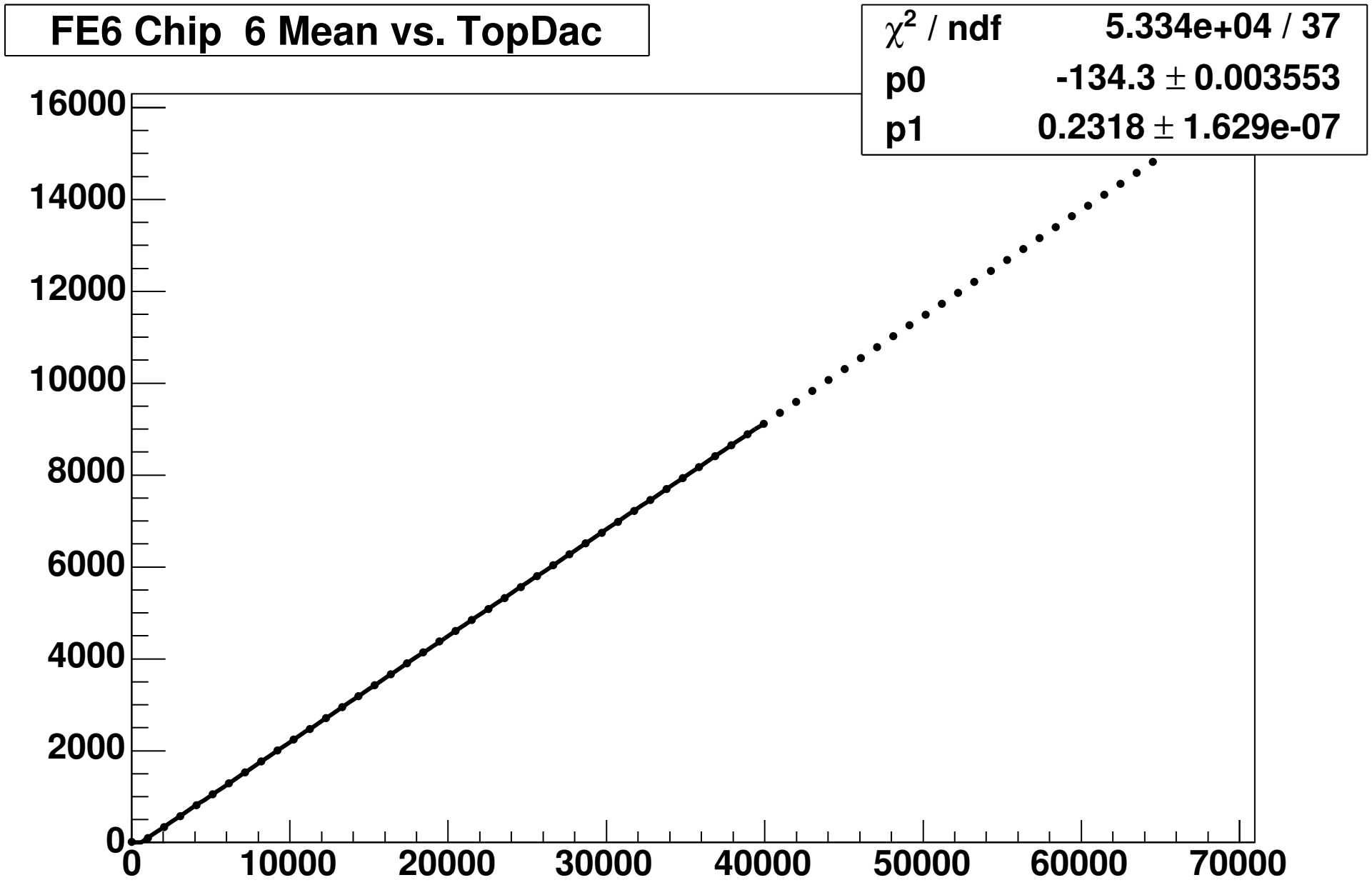

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 568.5 / 37
p0 0.9889 ± 0.001955
p1 2.01e-05 ± 1.605e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

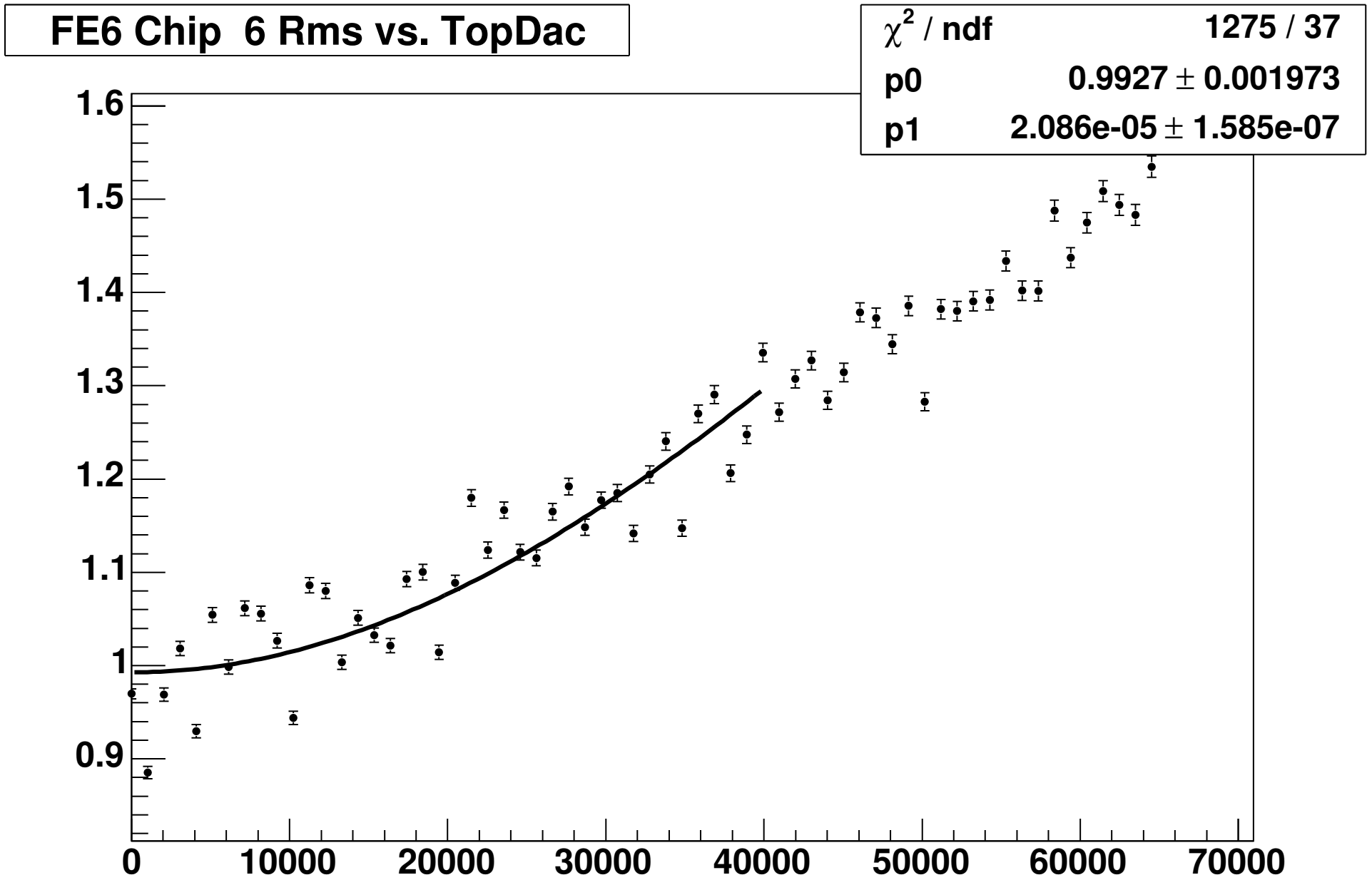

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 2354 / 37
p0 114.3 ± 0.003135
p1 7.999e-06 ± 1.33e-07
114.7
114.6
114.5
114.4
114.3
114.2
0
10000
20000
30000
40000
50000
60000
70000

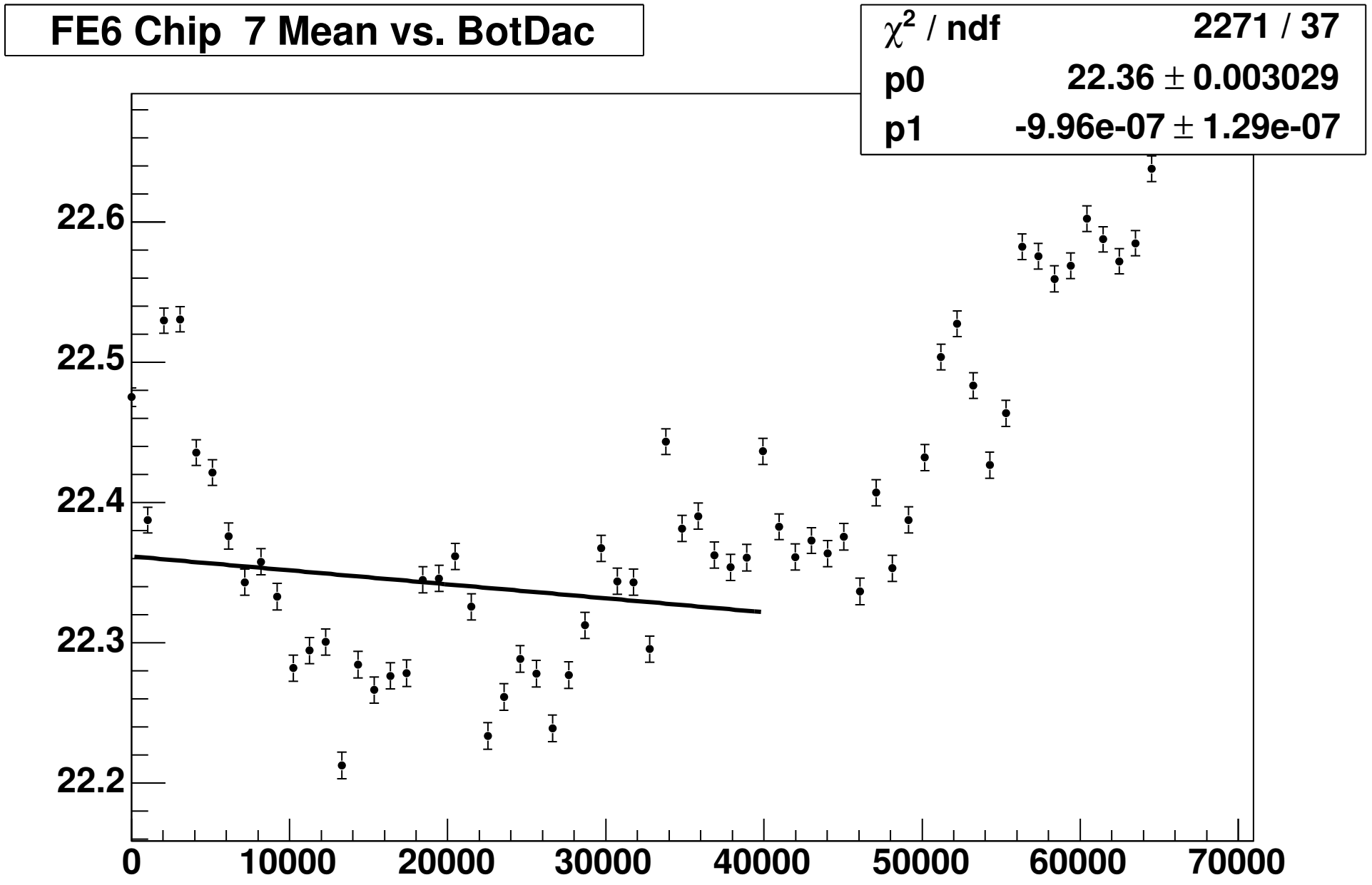

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 56.91 / 37
p0 0.8985 ± 0.001088
p1 -1.827e-13 ± 8.293e-07
1.2
1.15
1.1
1.05
1
0.95
0.9
0.85
0
10000
20000
30000
40000
50000
60000
70000

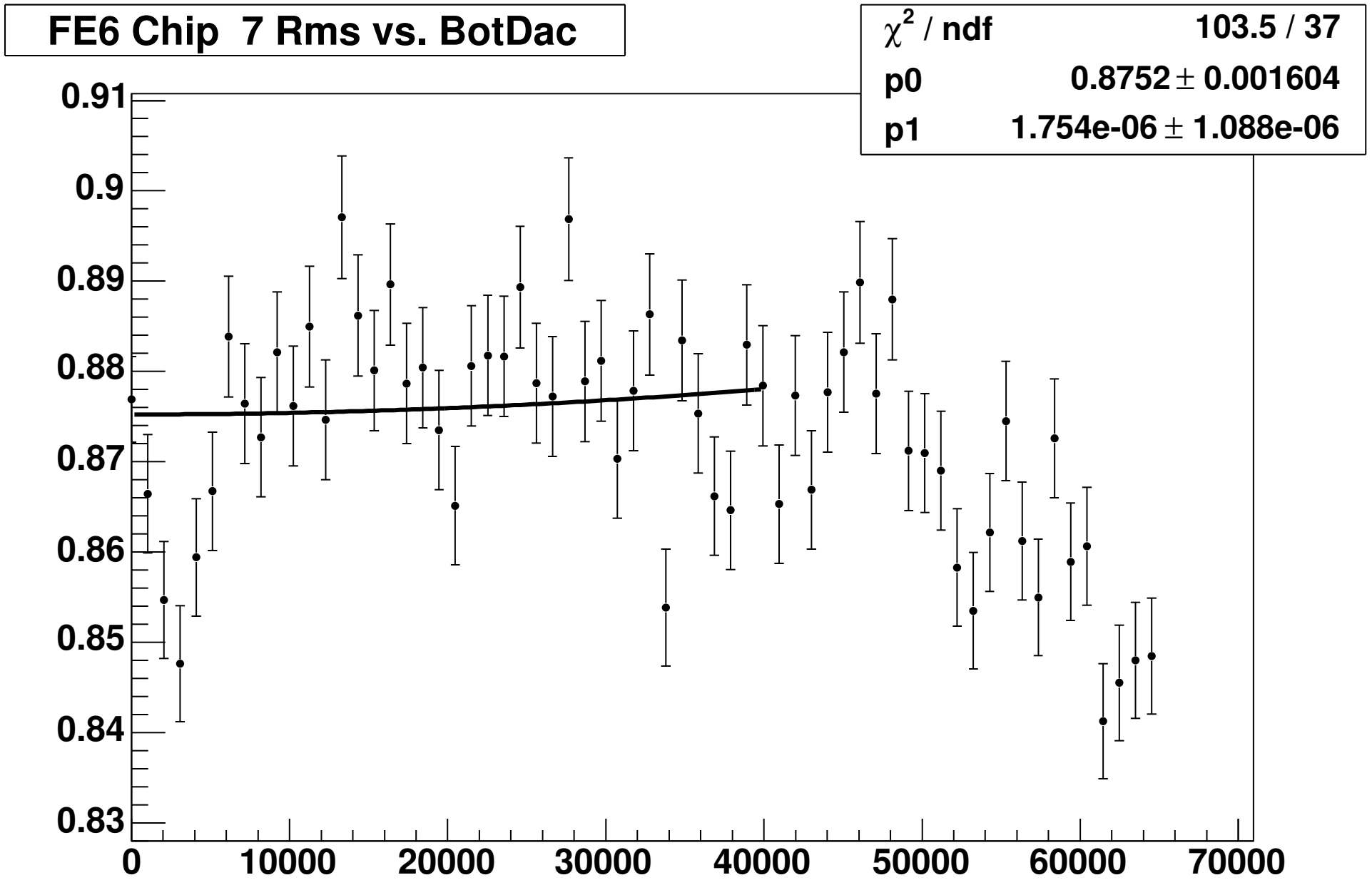

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 2671 / 37
p0 17.19 ± 0.003357
p1 -8.891e-07 ± 1.43e-07
17.6
17.5
17.4
17.3
17.2
17.1
17
0
10000
20000
30000
40000
50000
60000
70000

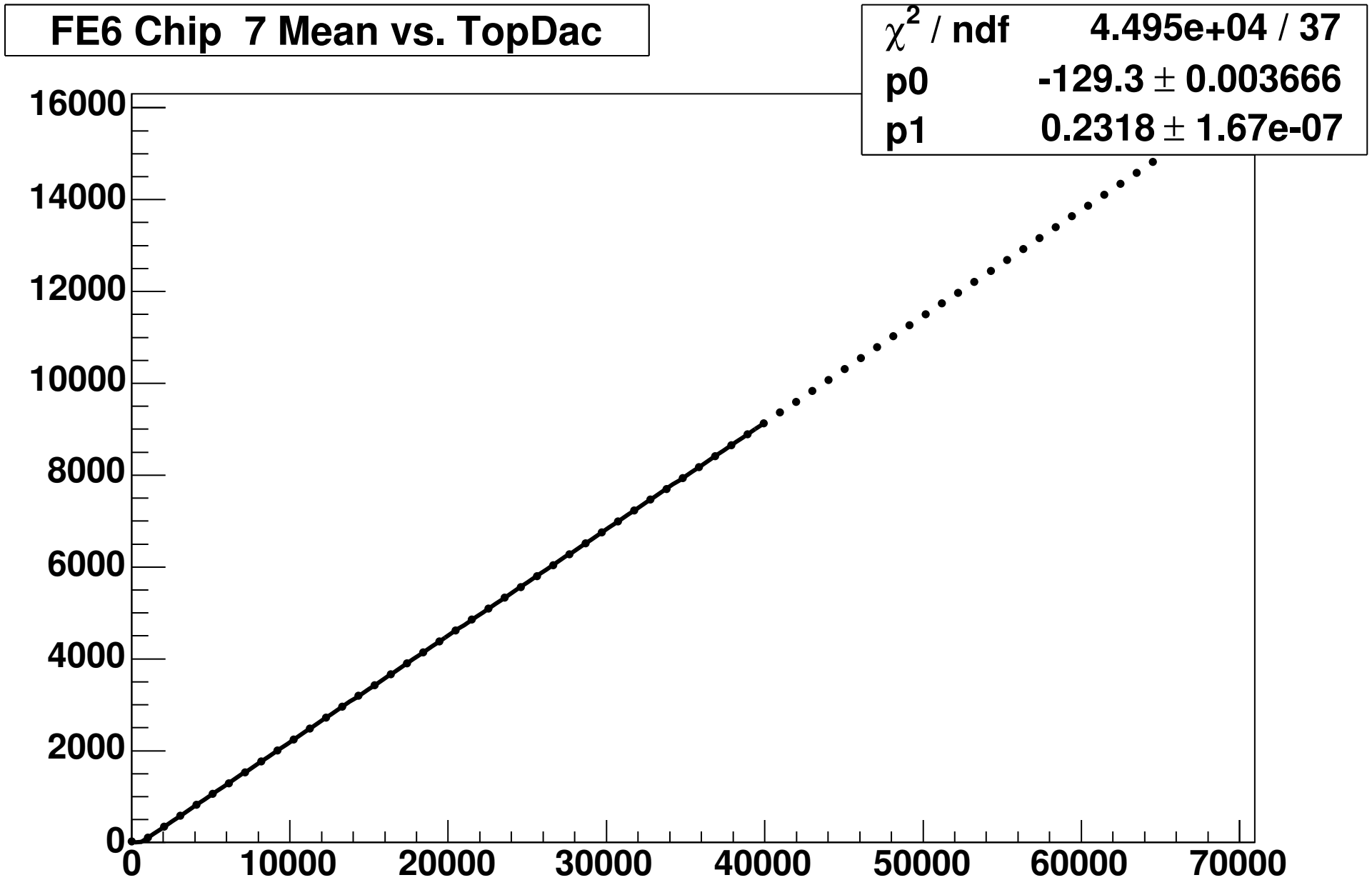

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 40.3 / 37
p0 0.969 ± 0.001774
p1 1.678e-06 ± 1.393e-06
1.01
1
0.99
0.98
0.97
0.96
0.95
0.94
0.93
0
10000
20000
30000
40000
50000
60000
70000

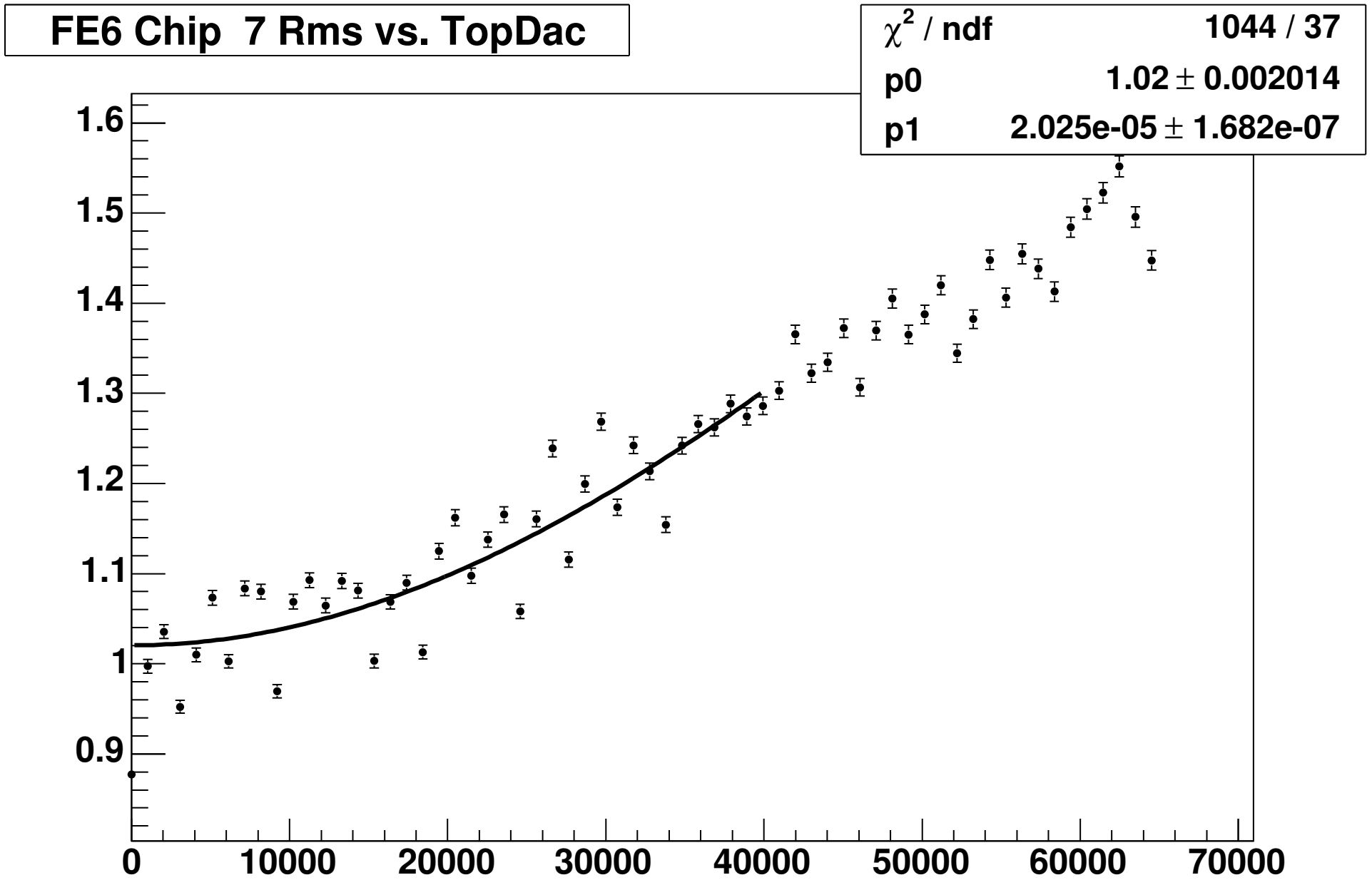

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 5.334e+04 / 37
p0 -134.3 ± 0.003553
p1 0.2318 ± 1.629e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1275 / 37
p0 0.9927 ± 0.001973
p1 2.086e-05 ± 1.585e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 2271 / 37
p0 22.36 ± 0.003029
p1 -9.96e-07 ± 1.29e-07
22.6
22.5
22.4
22.3
22.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 103.5 / 37
p0 0.8752 ± 0.001604
p1 1.754e-06 ± 1.088e-06
0.91
0.9
0.89
0.88
0.87
0.86
0.85
0.84
0.83
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 4.495e+04 / 37
p0 -129.3 ± 0.003666
p1 0.2318 ± 1.67e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1044 / 37
p0 1.02 ± 0.002014
p1 2.025e-05 ± 1.682e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
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50000
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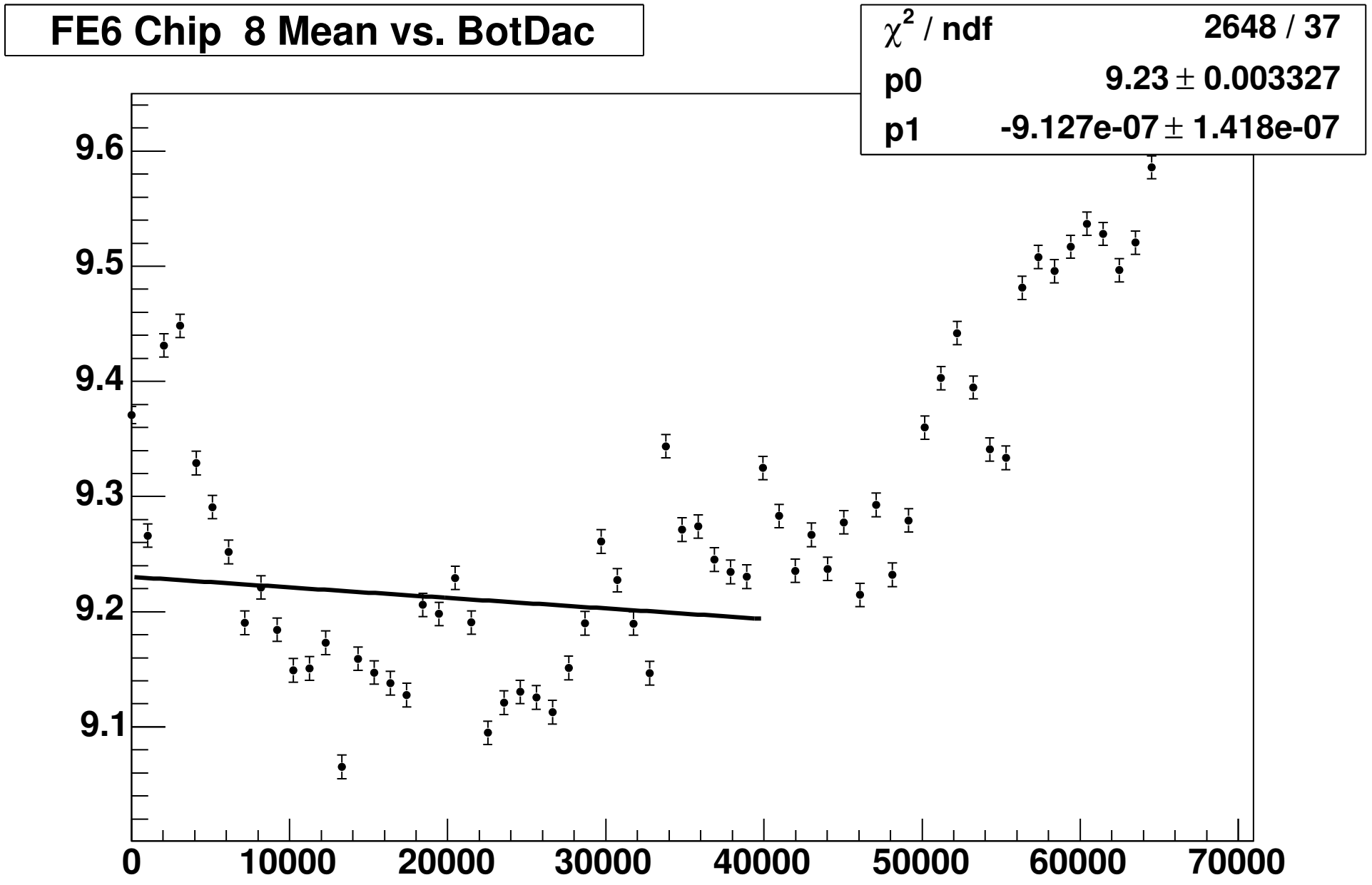
70000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 2648 / 37
p0 9.23 ± 0.003327
p1 -9.127e-07 ± 1.418e-07
9.6
9.5
9.4
9.3
9.2
9.1
0
10000
20000
30000
40000
50000
60000
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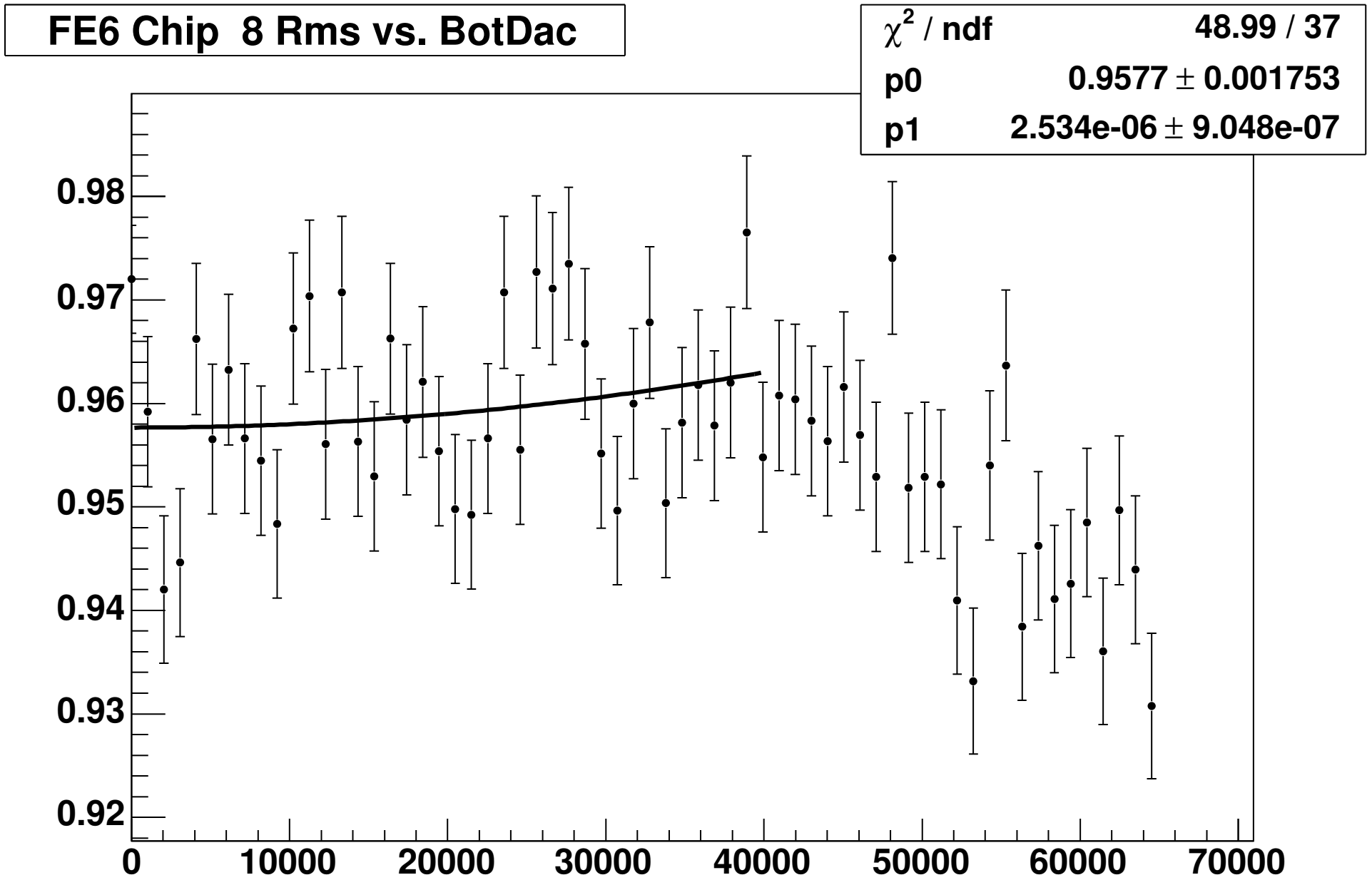
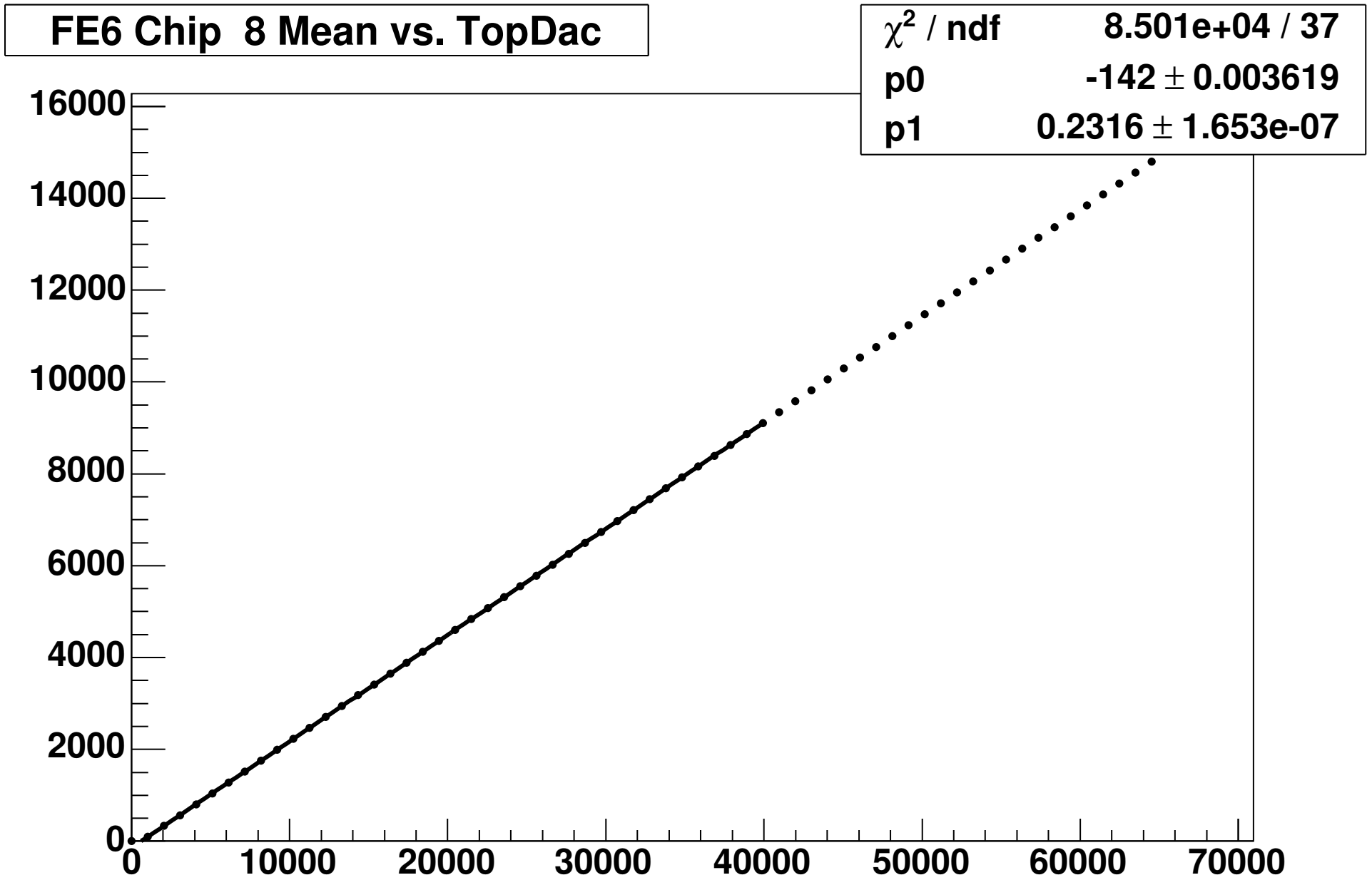
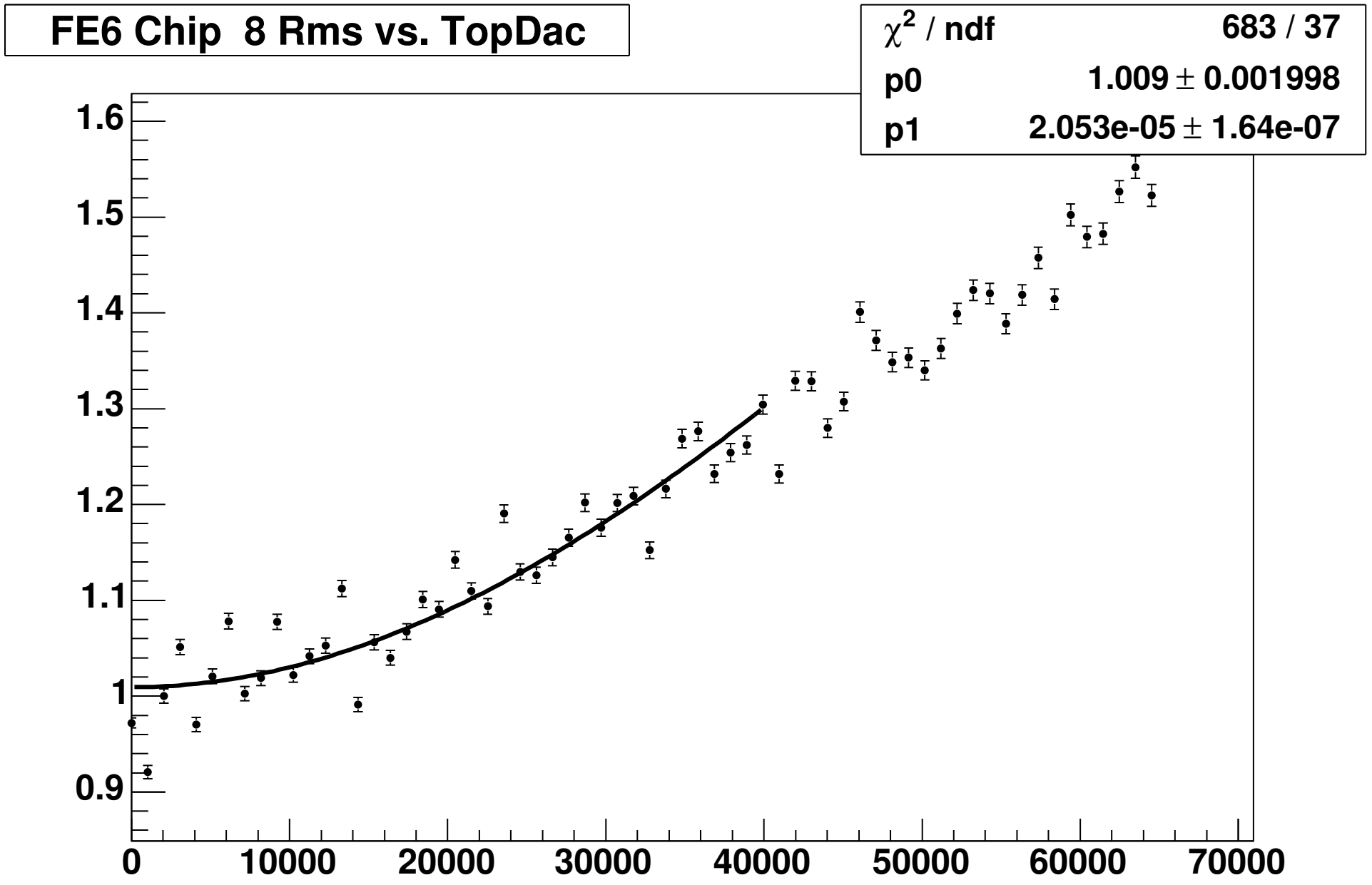
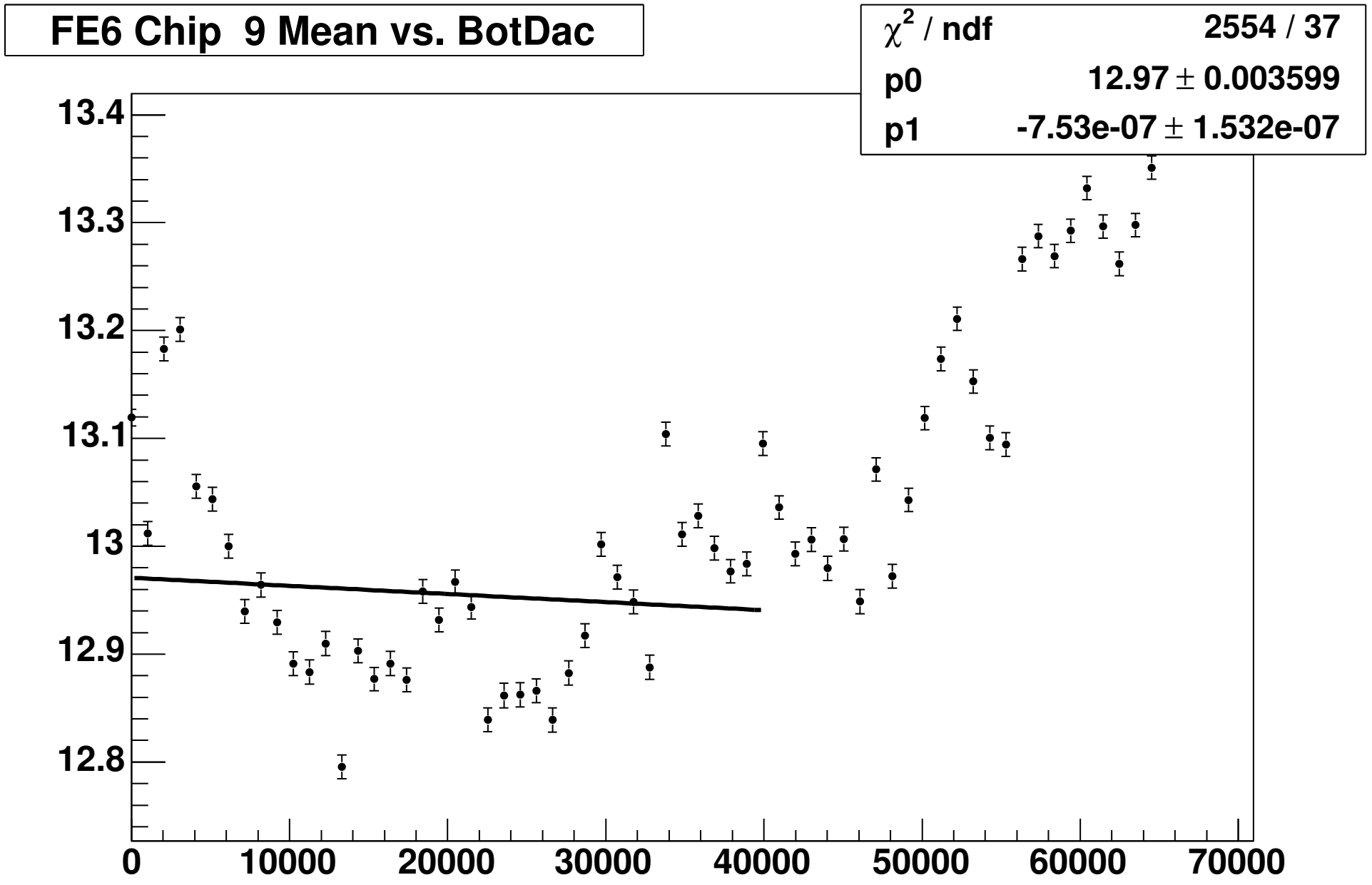
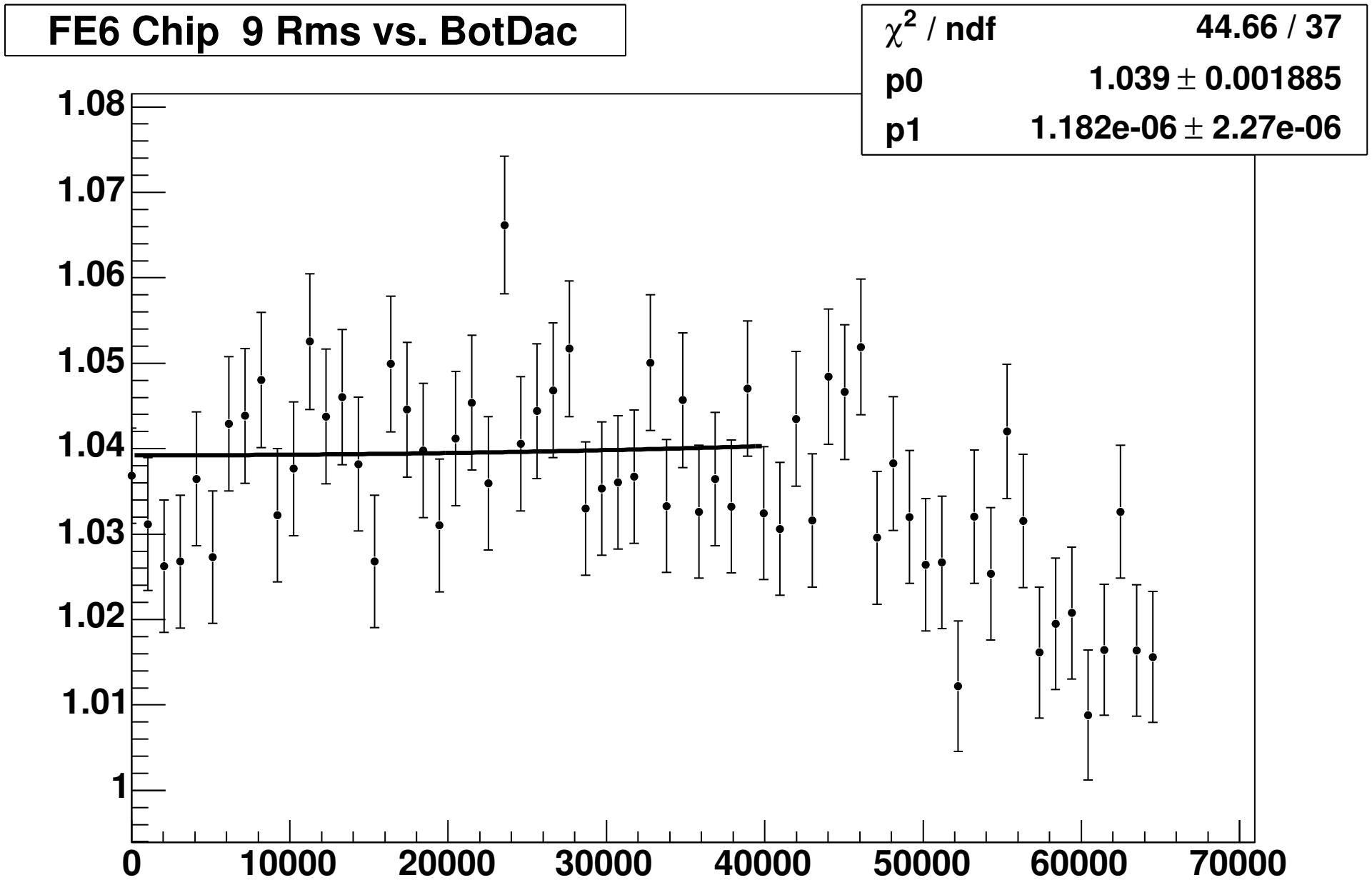

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 48.99 / 37
p0 0.9577 ± 0.001753
p1 2.534e-06 ± 9.048e-07
0.98
0.97
0.96
0.95
0.94
0.93
0.92
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 8.501e+04 / 37
p0 -142 ± 0.003619
p1 0.2316 ± 1.653e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 683 / 37
p0 1.009 ± 0.001998
p1 2.053e-05 ± 1.64e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 2554 / 37
p0 12.97 ± 0.003599
p1 -7.53e-07 ± 1.532e-07
13.4
13.3
13.2
13.1
13
12.9
12.8
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 44.66 / 37
p0 1.039 ± 0.001885
p1 1.182e-06 ± 2.27e-06
1.08
1.07
1.06
1.05
1.04
1.03
1.02
1.01
1
0
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20000
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60000
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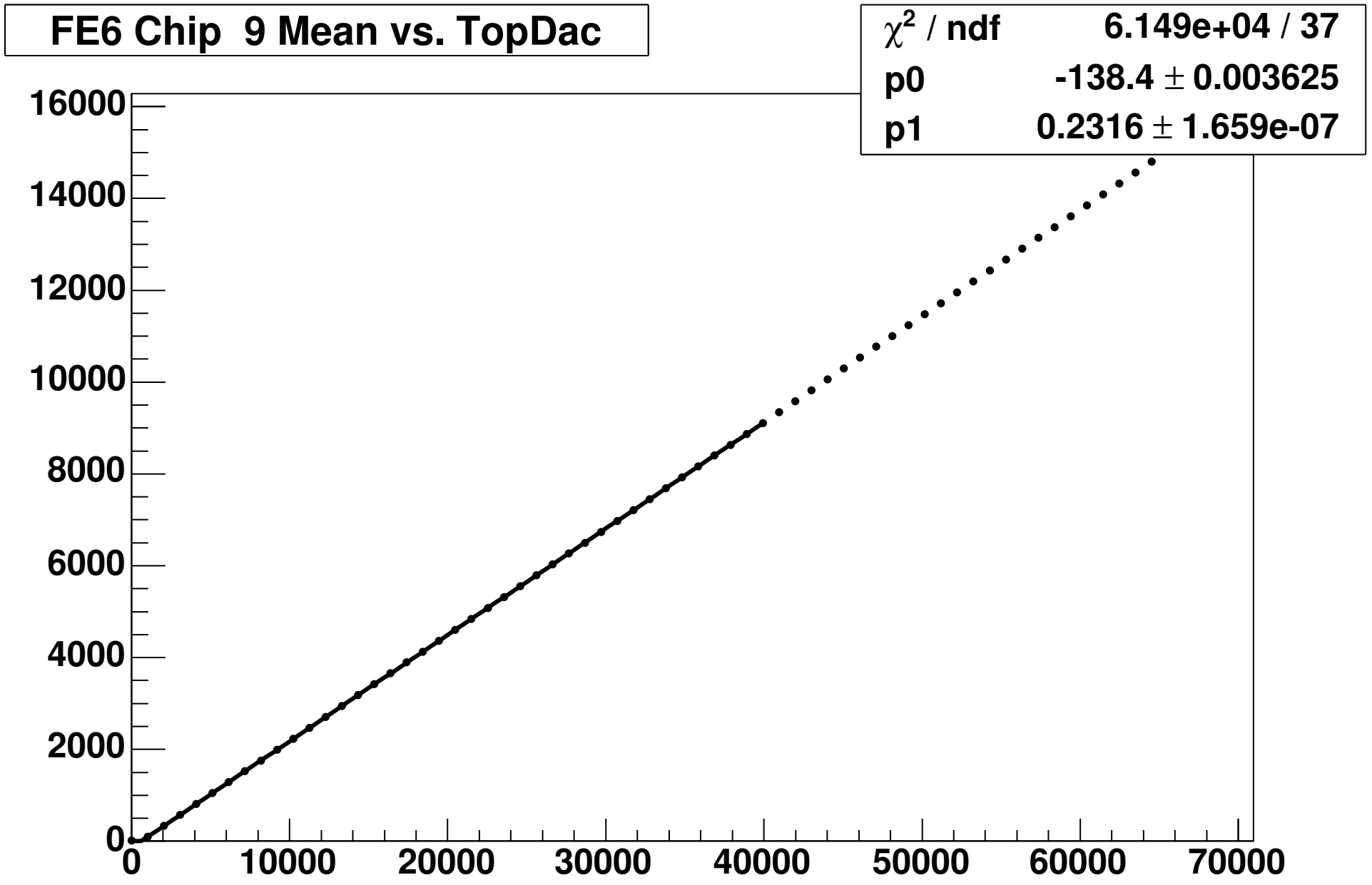
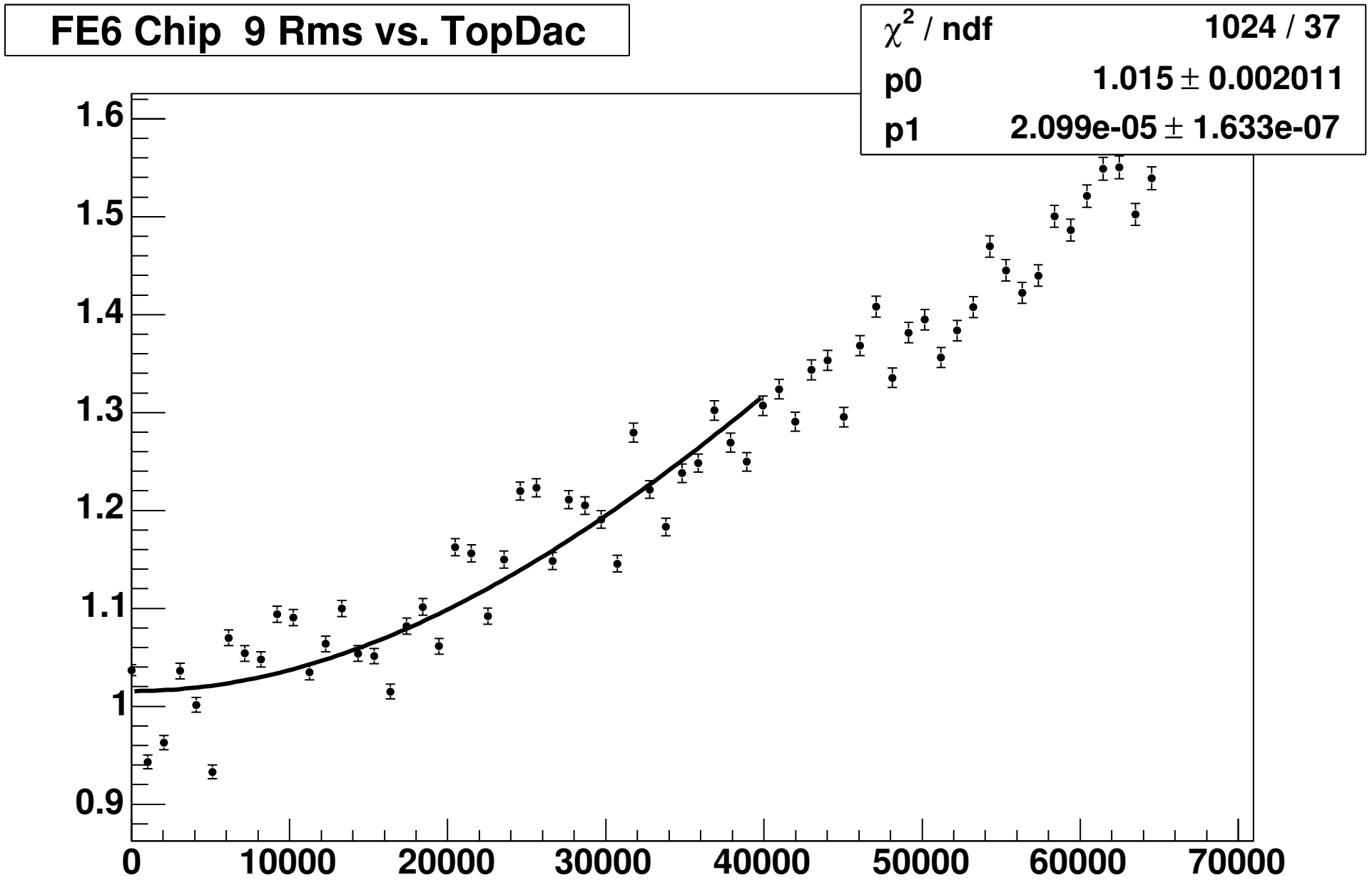

FE6 Chip 9 Mean vs. TopDac
χ² / ndf 6.149e+04 / 37
p0 -138.4 ± 0.003625
p1 0.2316 ± 1.659e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 1024 / 37
p0 1.015 ± 0.002011
p1 2.099e-05 ± 1.633e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
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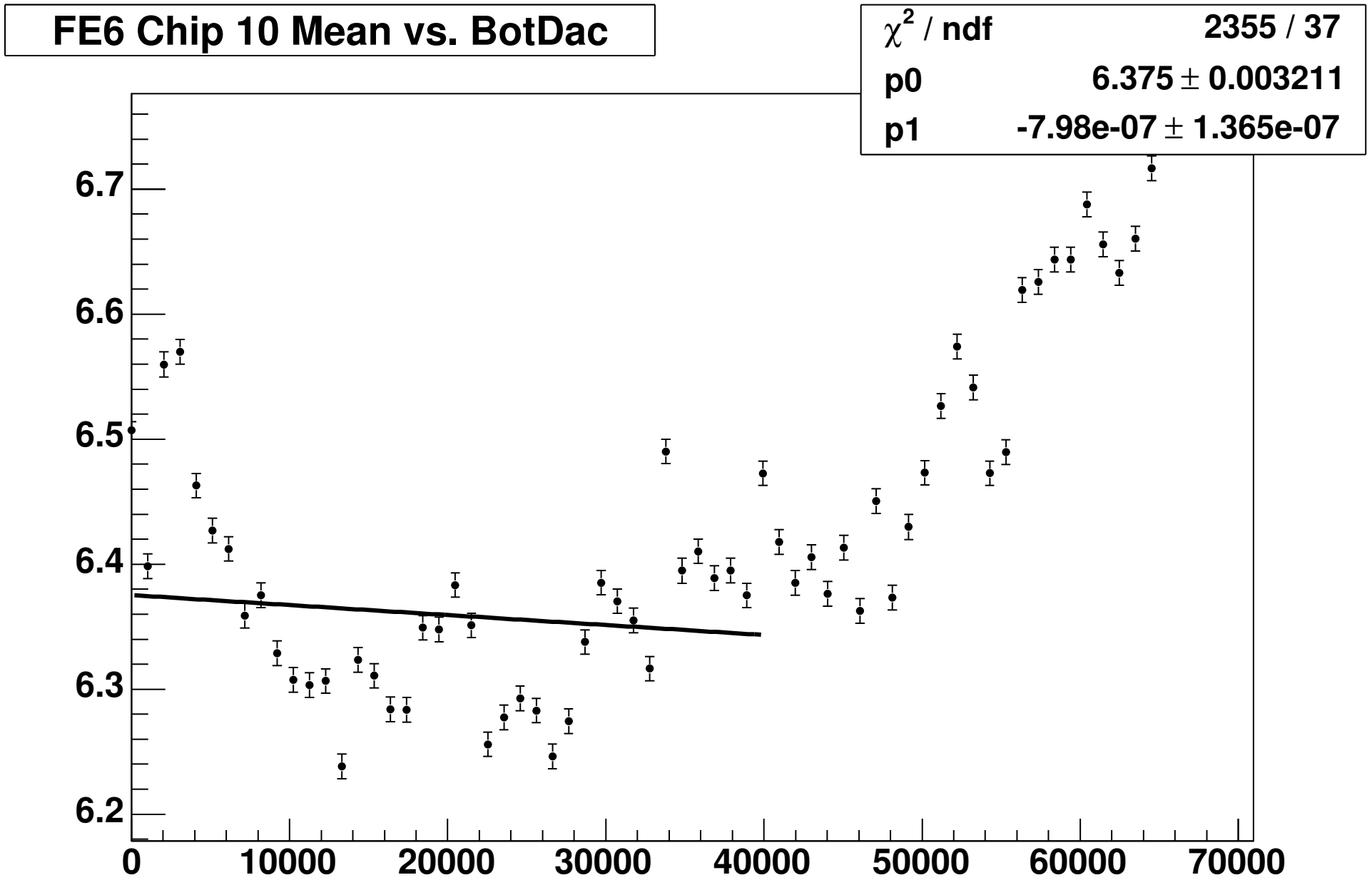
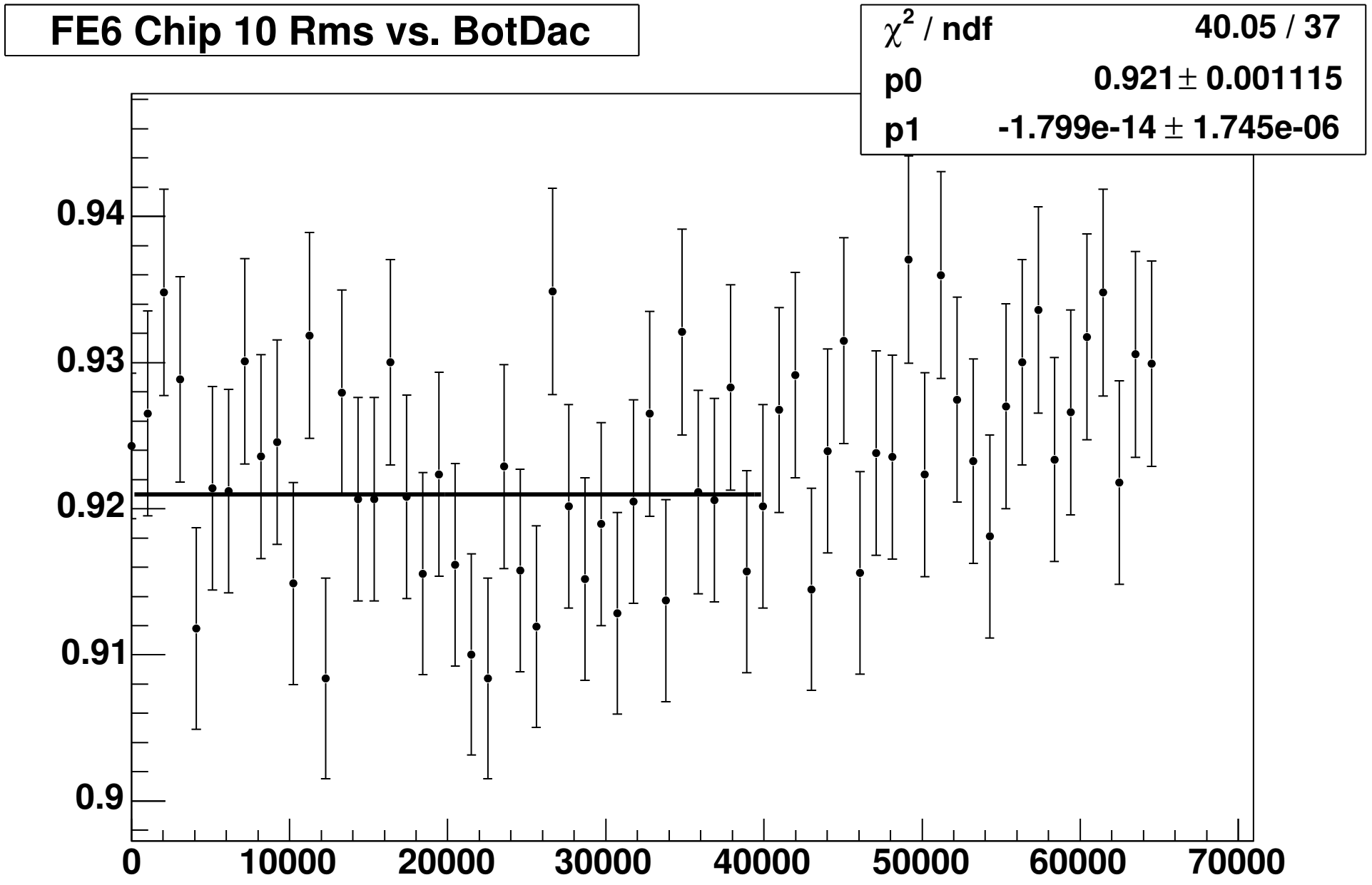
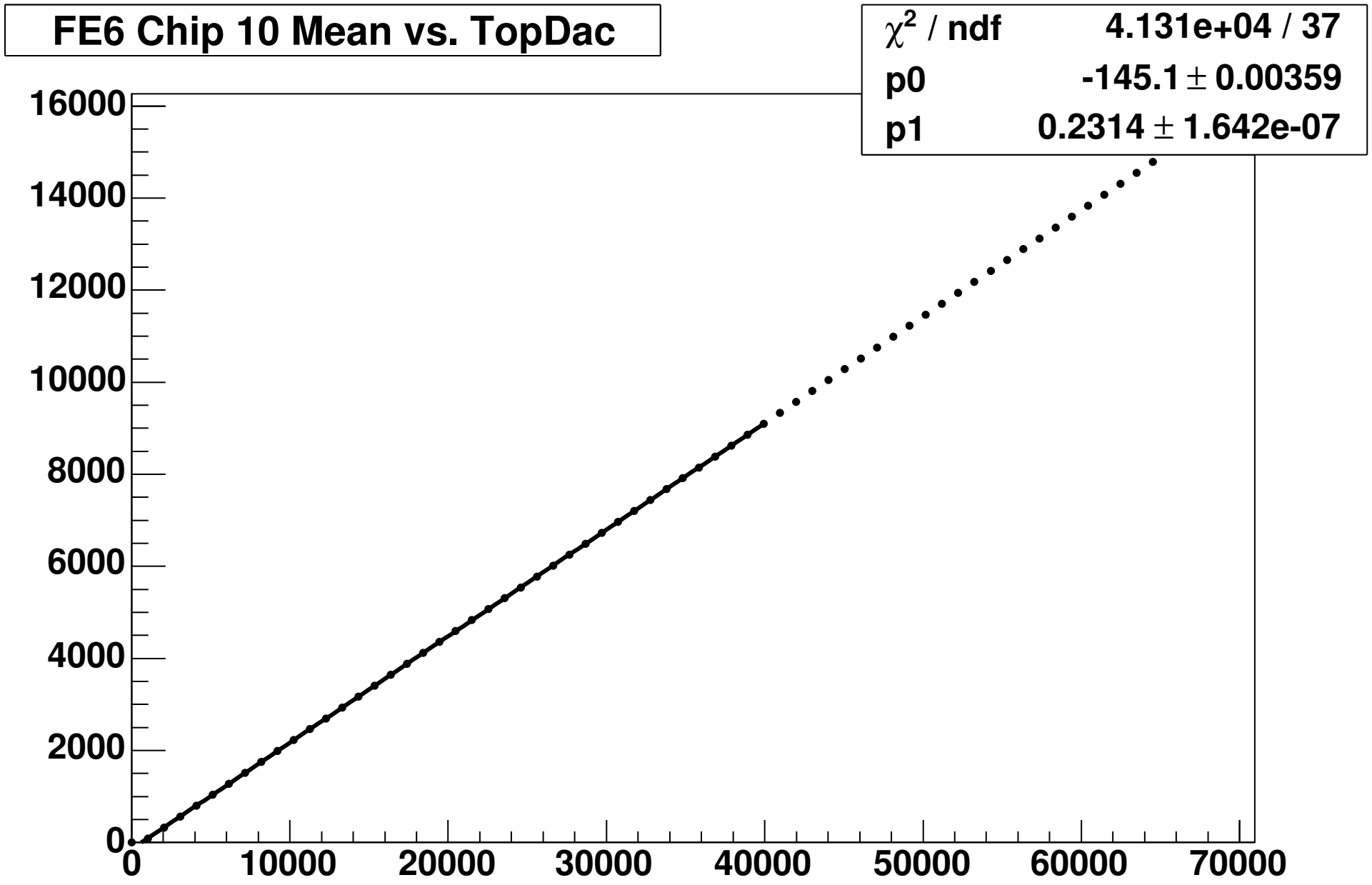
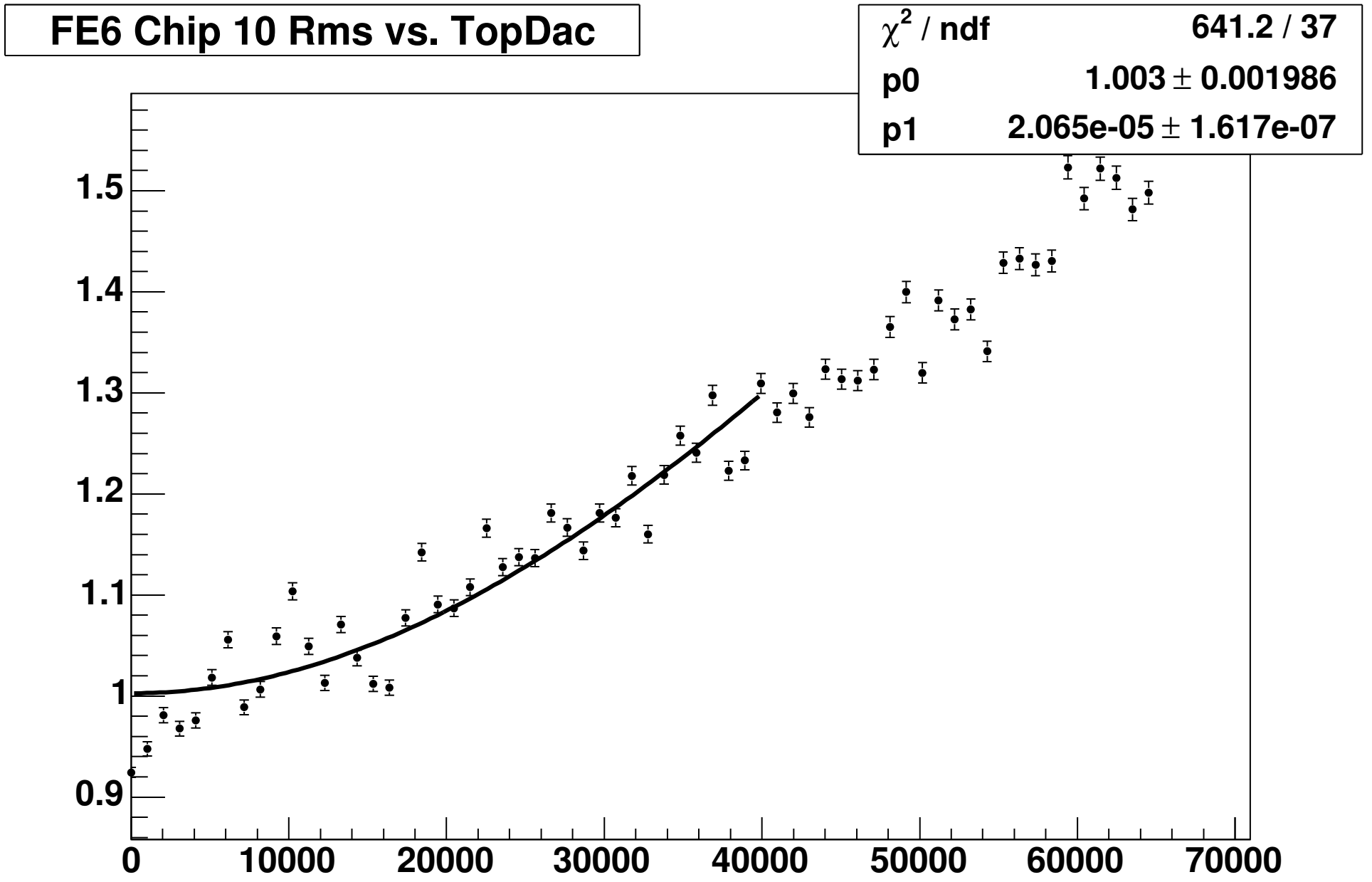
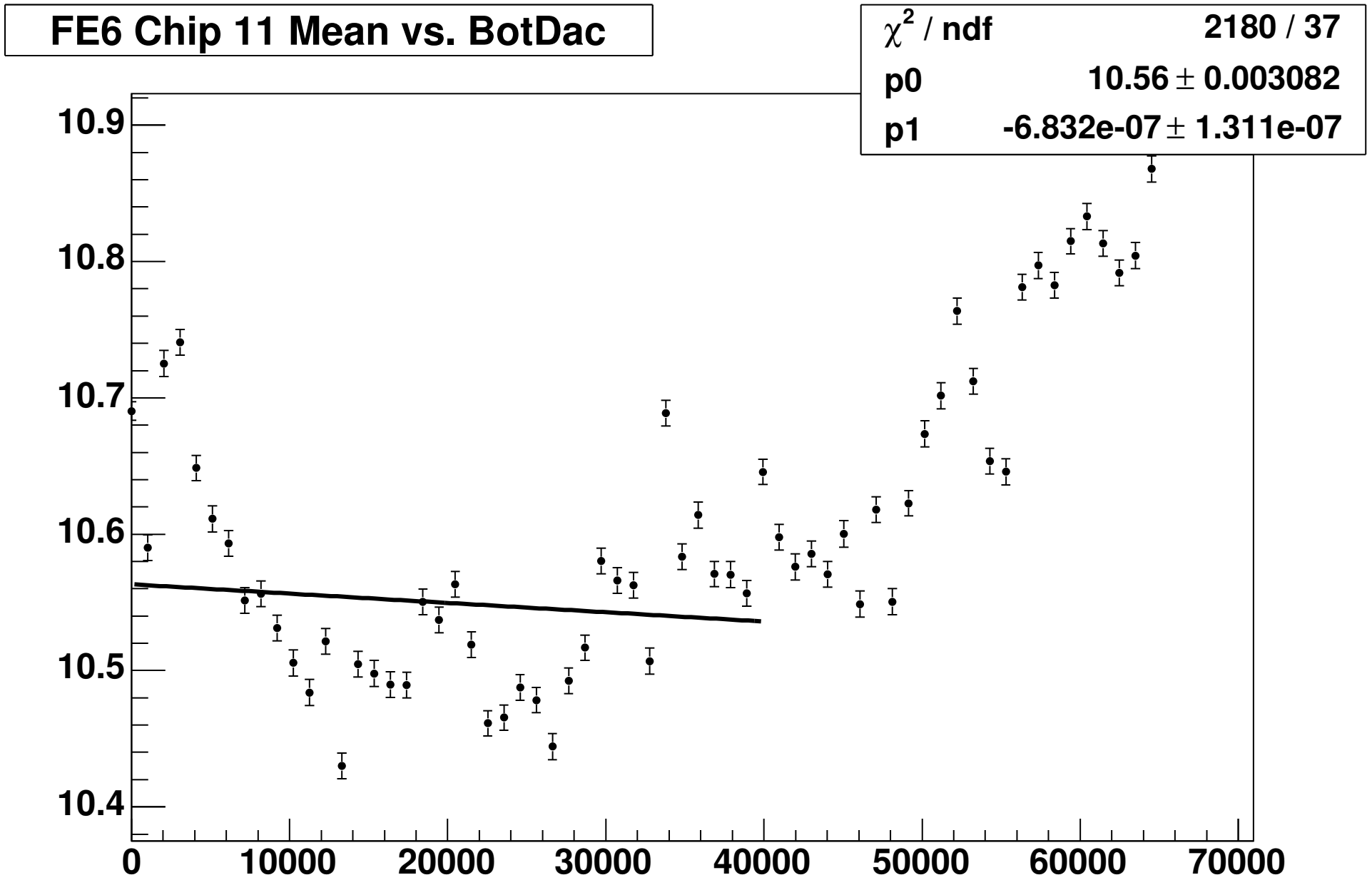
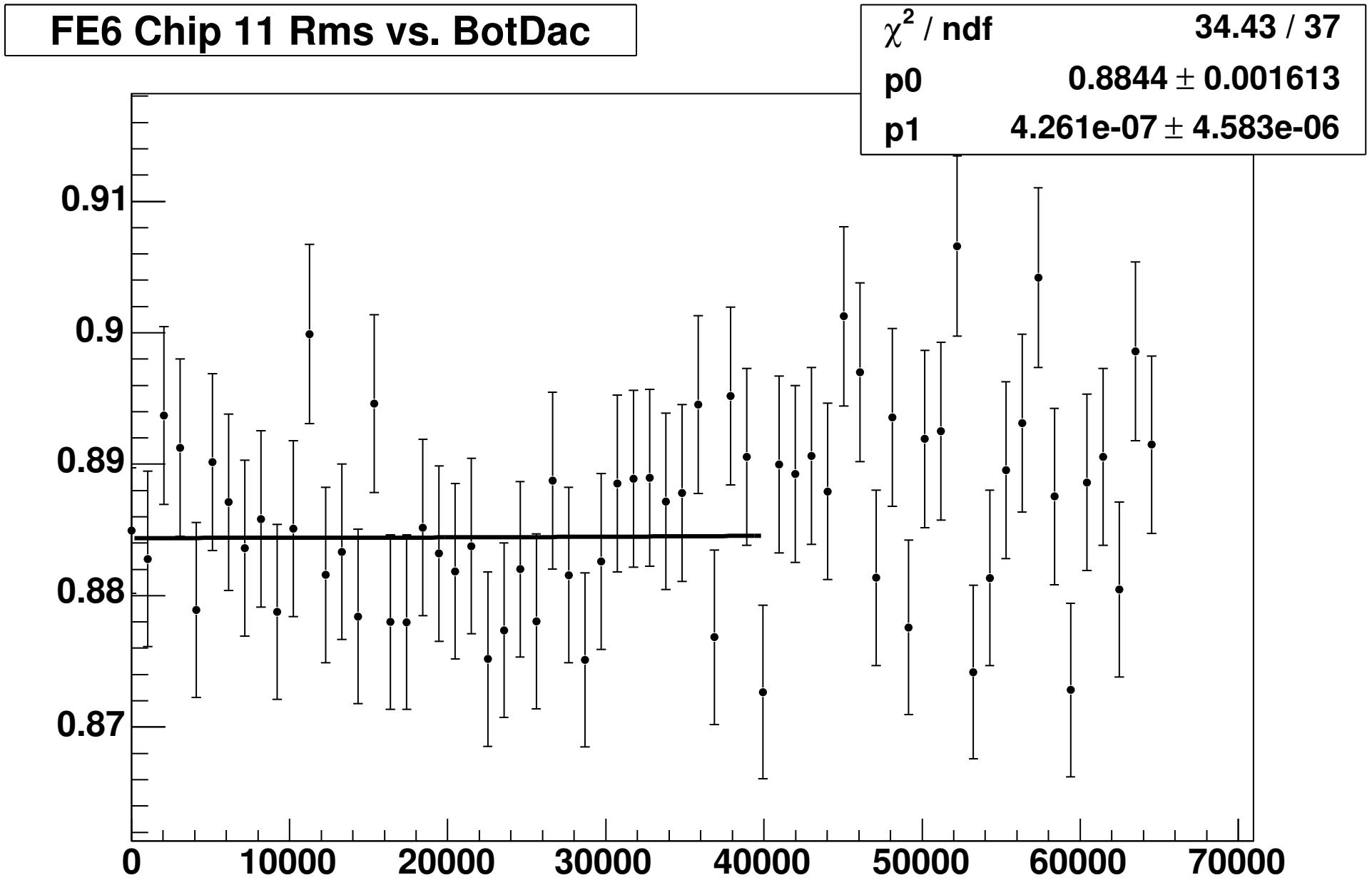

FE6 Chip 10 Mean vs. BotDac
χ² / ndf 2355 / 37
p0 6.375 ± 0.003211
p1 -7.98e-07 ± 1.365e-07
6.7
6.6
6.5
6.4
6.3
6.2
0
10000
20000
30000
40000
50000
60000
70000

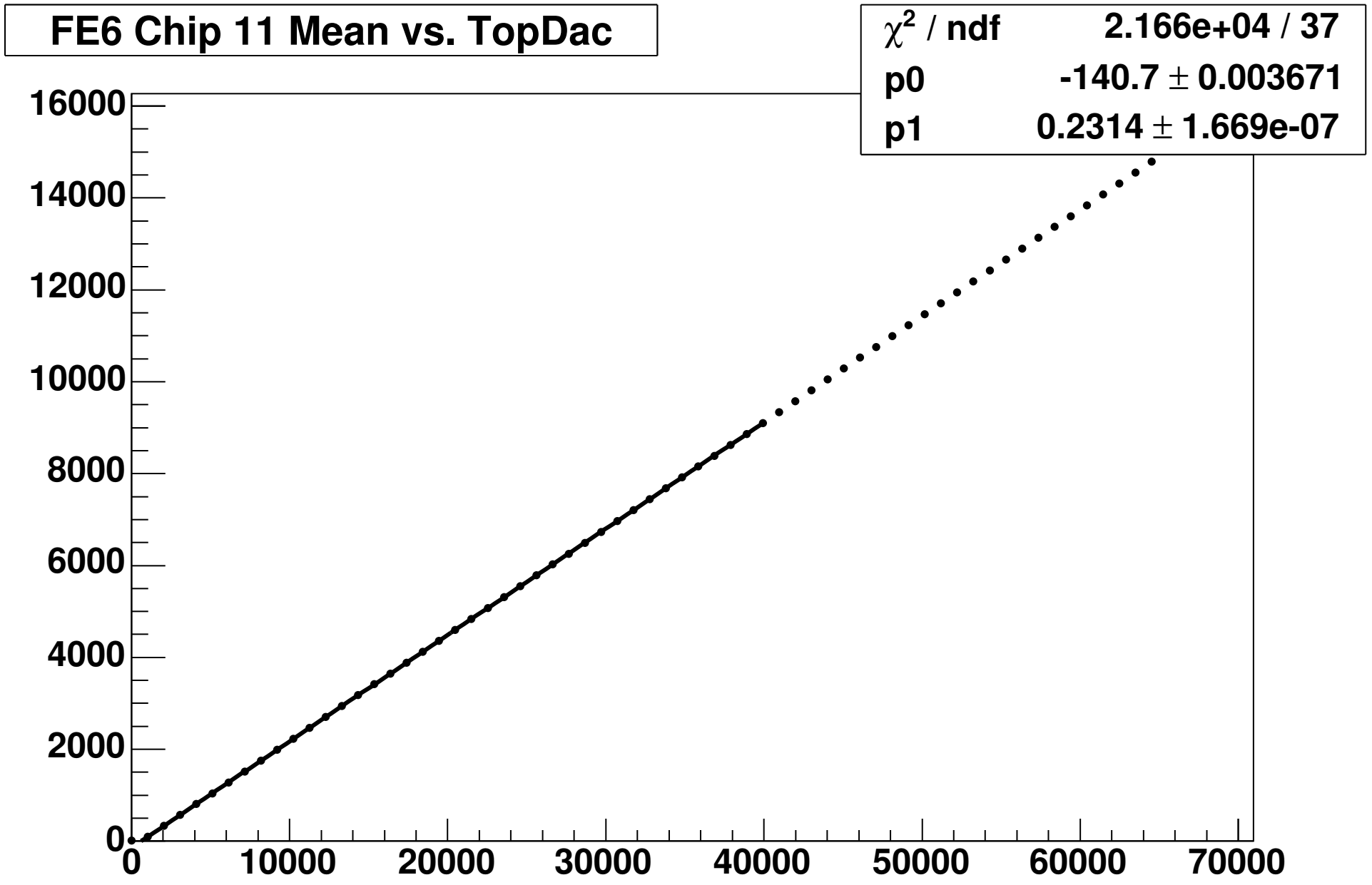

FE6 Chip 10 Rms vs. BotDac
χ² / ndf 40.05 / 37
p0 0.921 ± 0.001115
p1 -1.799e-14 ± 1.745e-06
0.94
0.93
0.92
0.91
0.9
0
10000
20000
30000
40000
50000
60000
70000

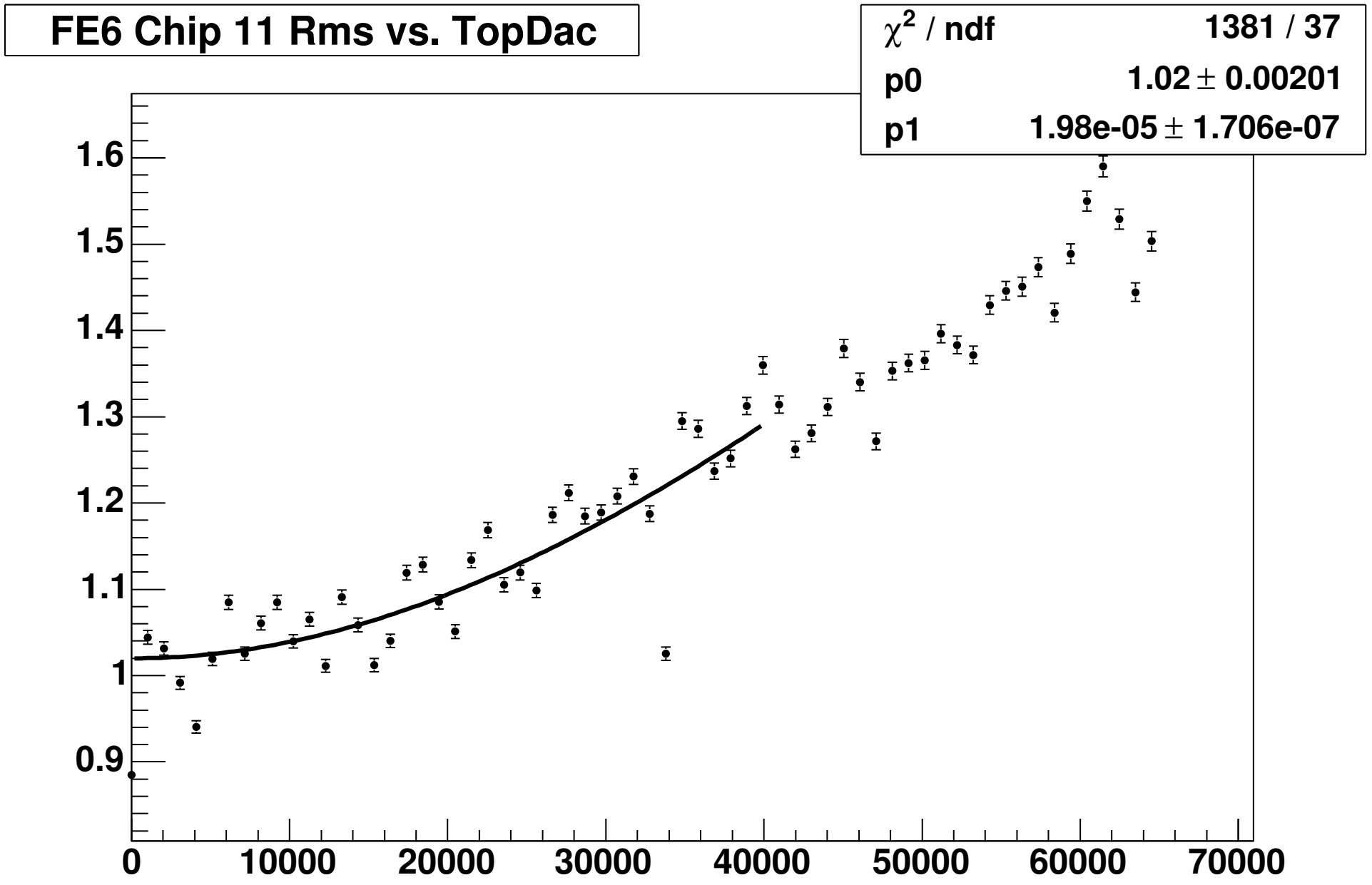

FE6 Chip 10 Mean vs. TopDac
χ² / ndf 4.131e+04 / 37
p0 -145.1 ± 0.00359
p1 0.2314 ± 1.642e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

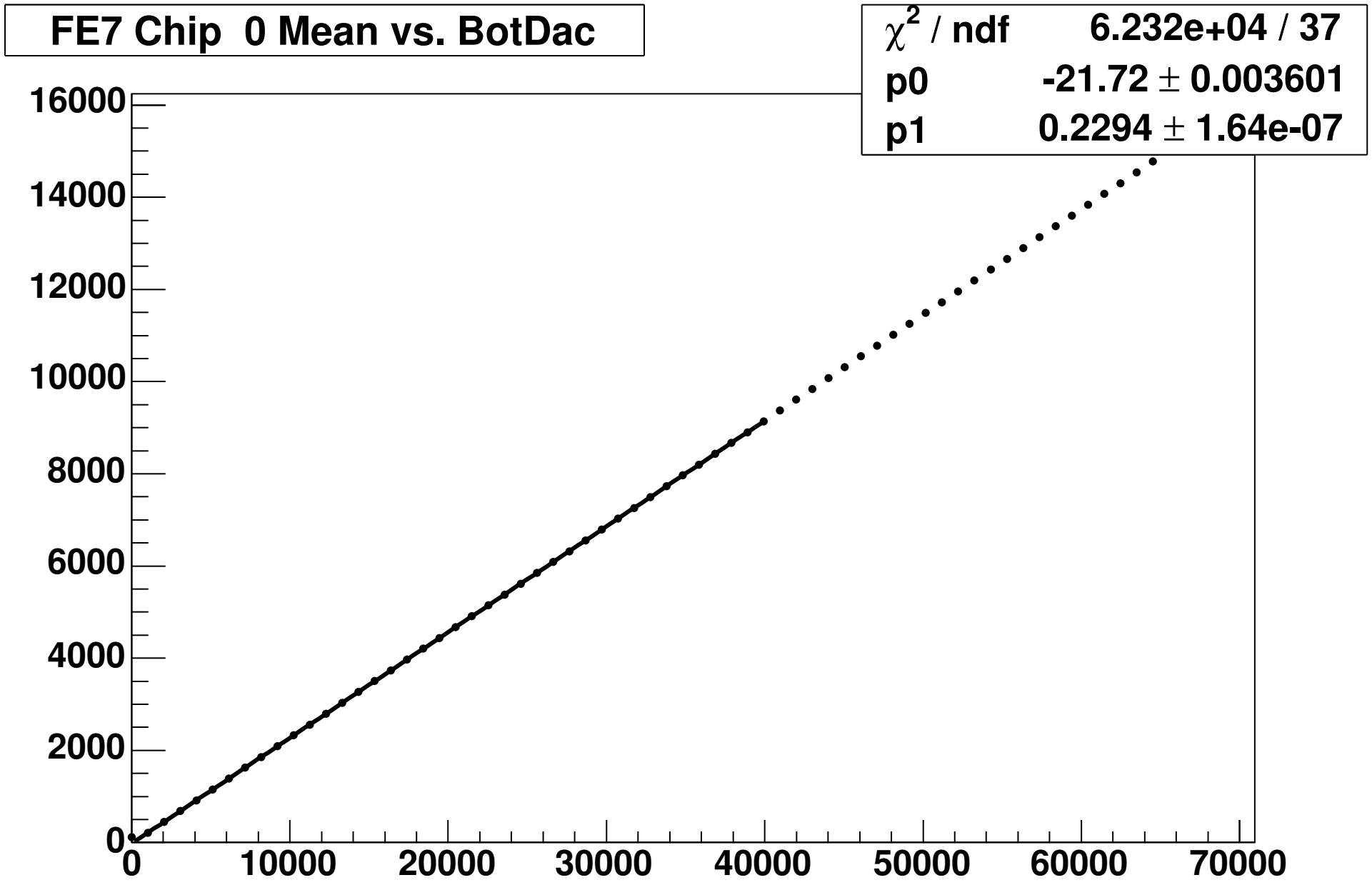

FE6 Chip 10 Rms vs. TopDac
χ² / ndf 641.2 / 37
p0 1.003 ± 0.001986
p1 2.065e-05 ± 1.617e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

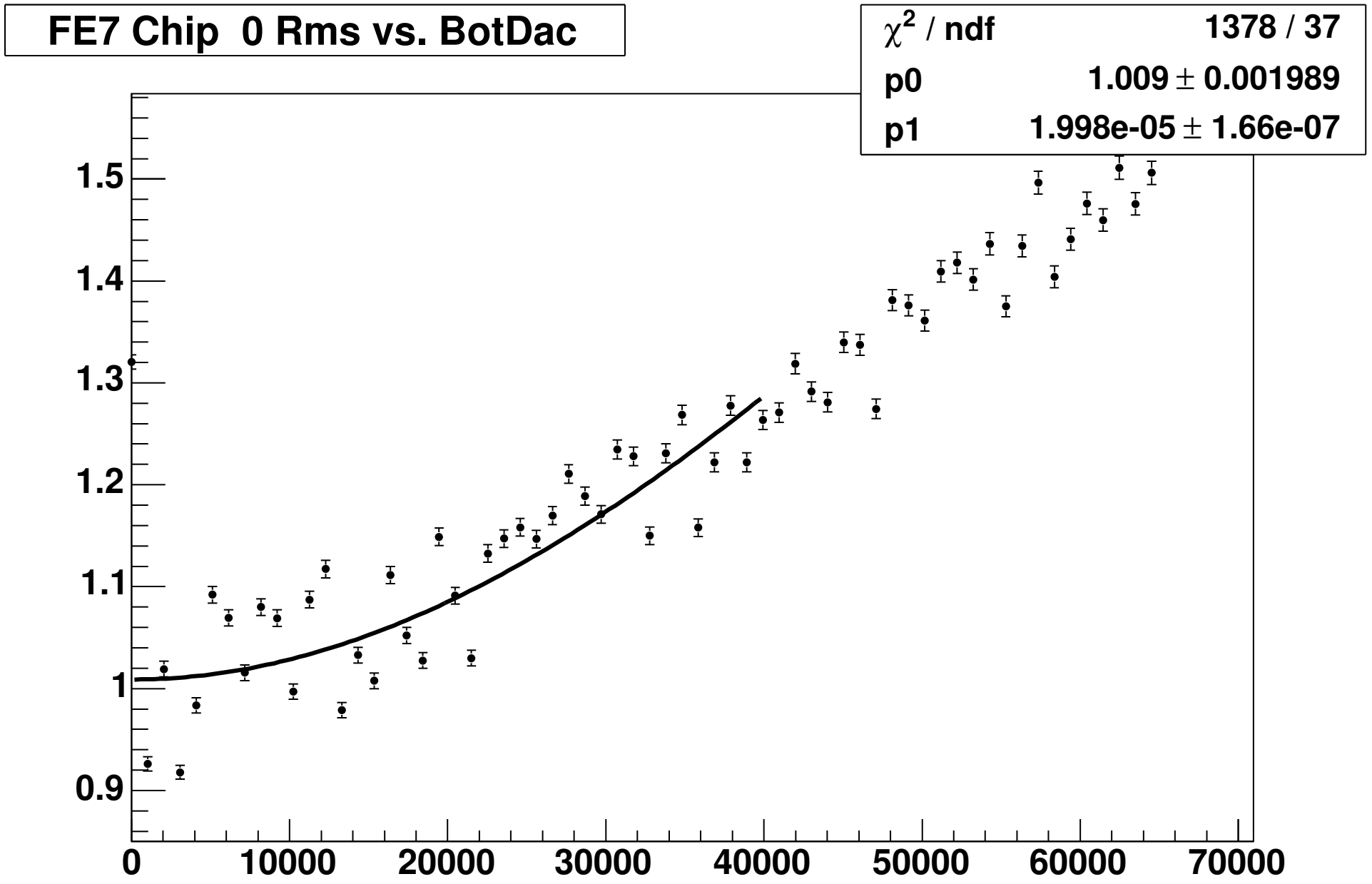

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 2180 / 37
p0 10.56 ± 0.003082
p1 -6.832e-07 ± 1.311e-07
10.9
10.8
10.7
10.6
10.5
10.4
0
10000
20000
30000
40000
50000
60000
70000

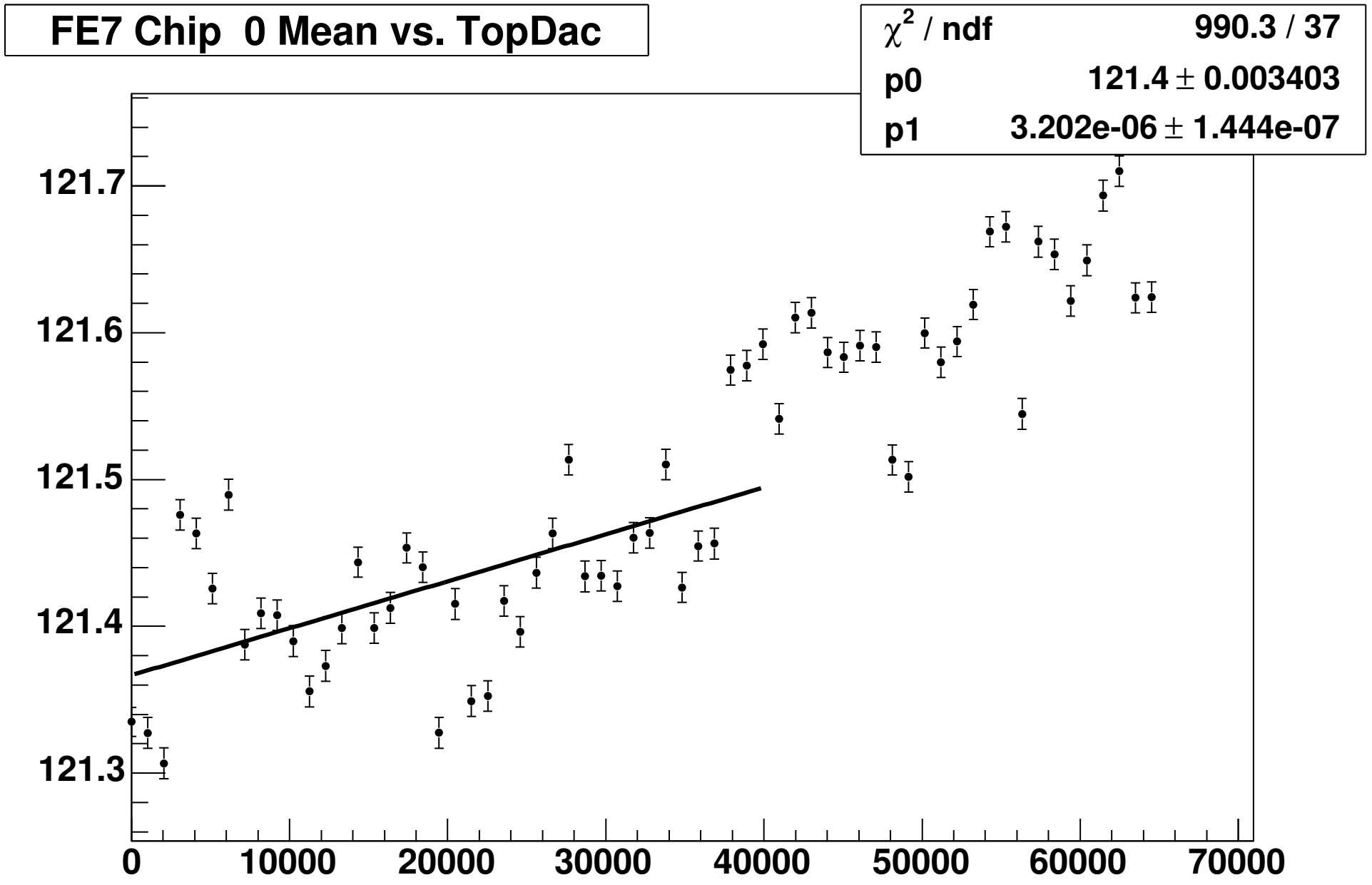

FE6 Chip 11 Rms vs. BotDac
χ² / ndf 34.43 / 37
p0 0.8844 ± 0.001613
p1 4.261e-07 ± 4.583e-06
0.91
0.9
0.89
0.88
0.87
0
10000
20000
30000
40000
50000
60000
70000

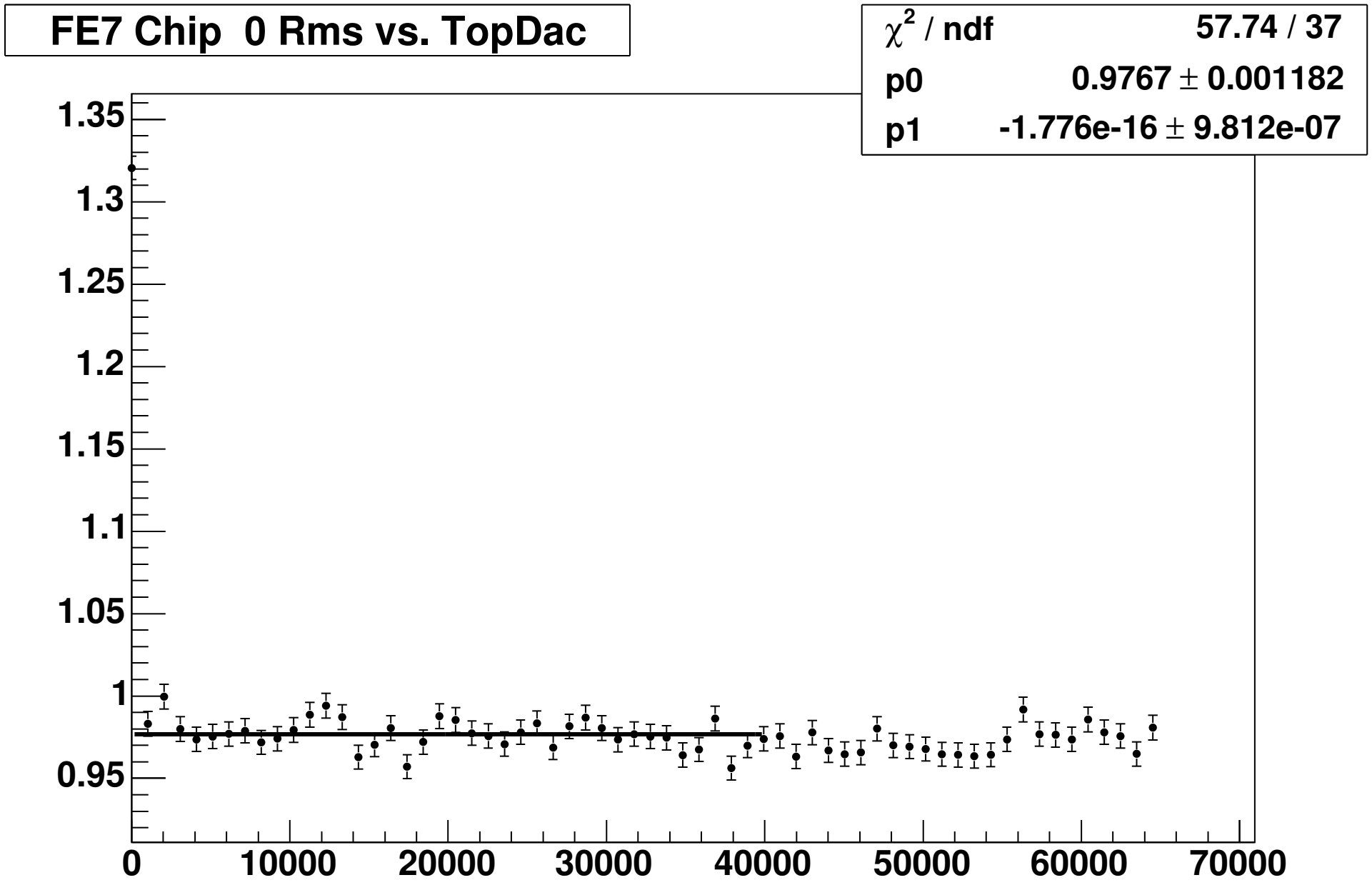

FE6 Chip 11 Mean vs. TopDac
χ² / ndf 2.166e+04 / 37
p0 -140.7 ± 0.003671
p1 0.2314 ± 1.669e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

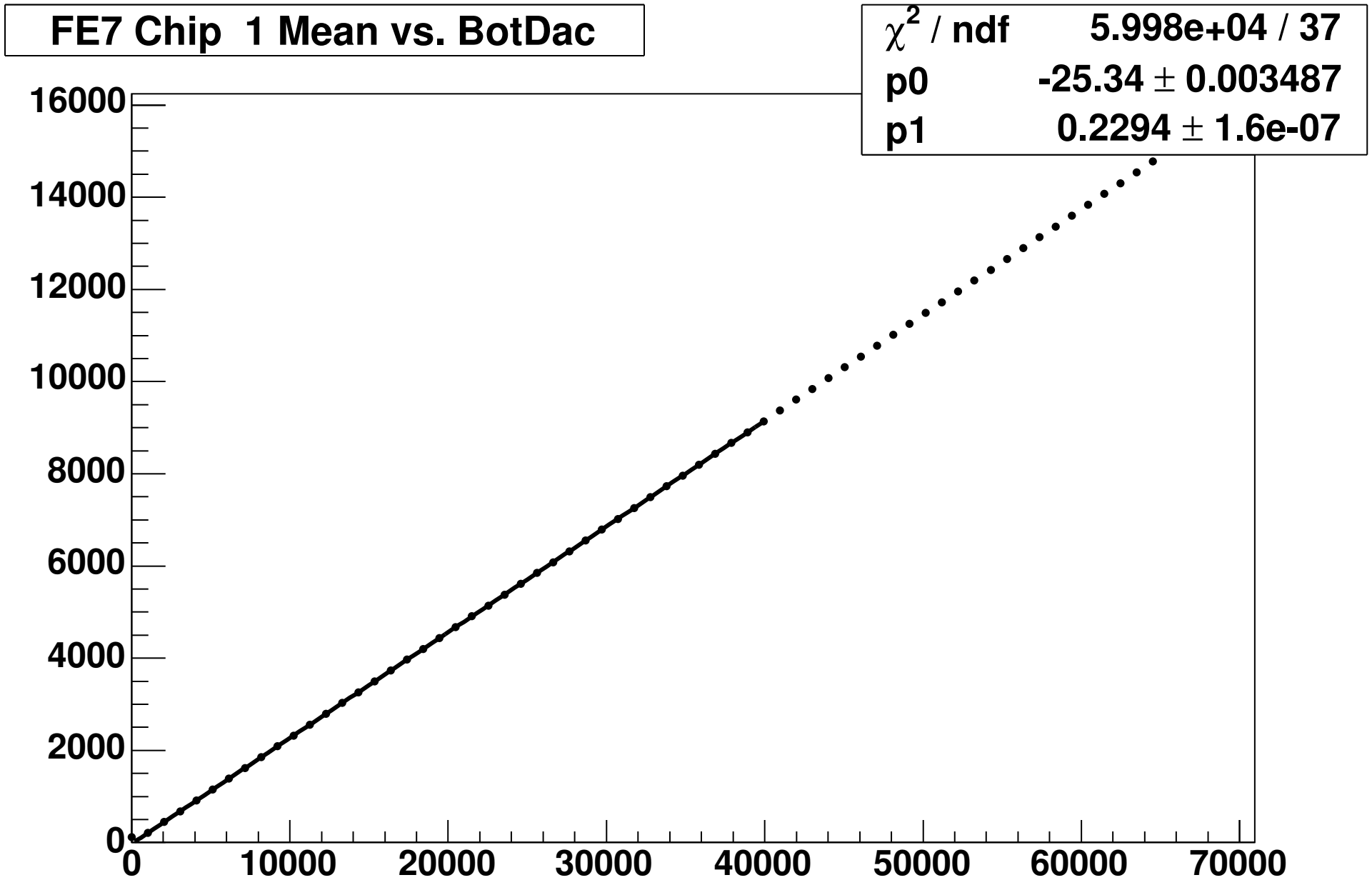

FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1381 / 37
p0 1.02 ± 0.00201
p1 1.98e-05 ± 1.706e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

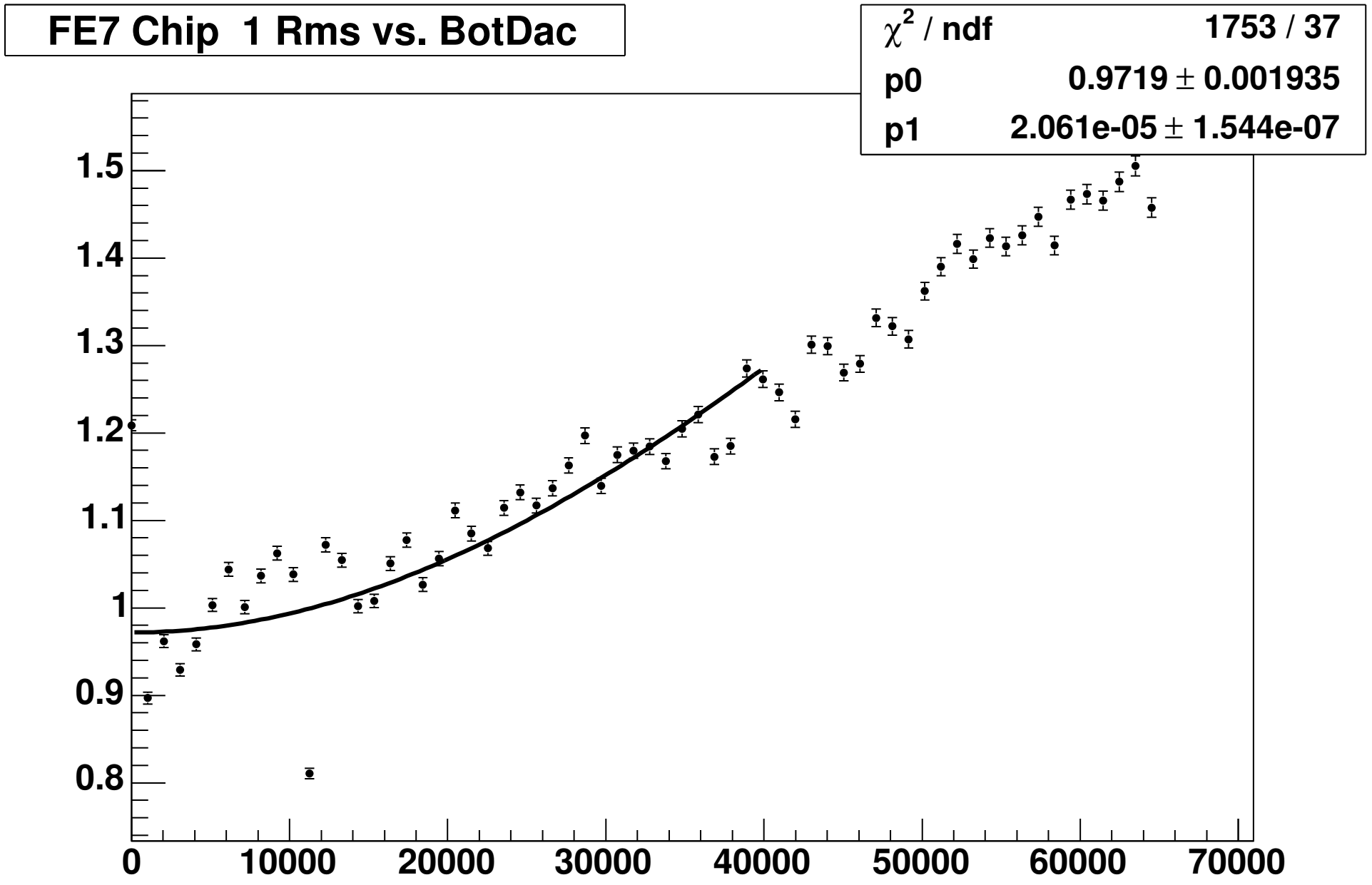

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 6.232e+04 / 37
p0 -21.72 ± 0.003601
p1 0.2294 ± 1.64e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

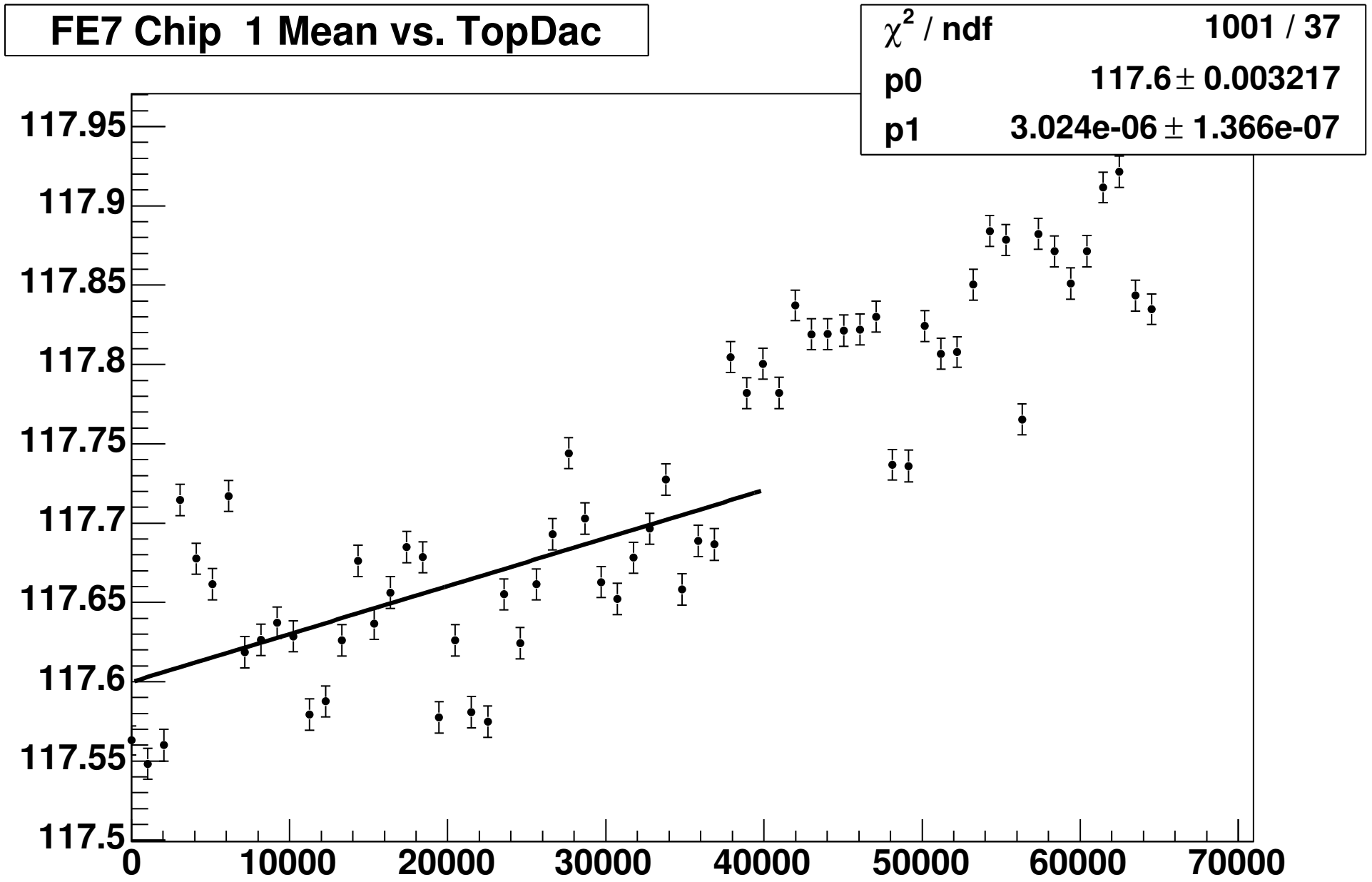

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1378 / 37
p0 1.009 ± 0.001989
p1 1.998e-05 ± 1.66e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

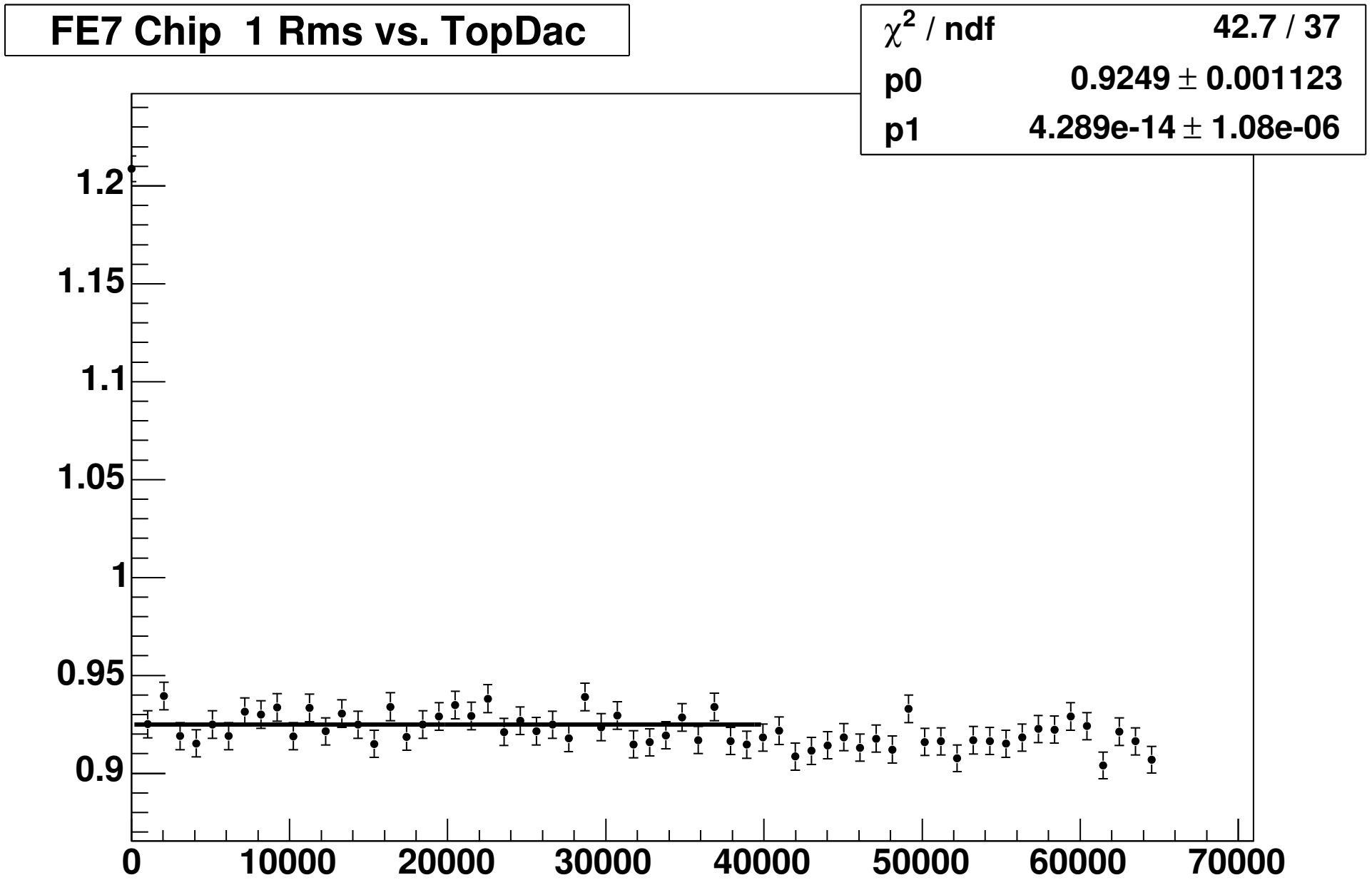

FE7 Chip 0 Mean vs. TopDac
χ^2 / ndf 990.3 / 37
p0 121.4 ± 0.003403
p1 3.202e-06 ± 1.444e-07
121.7
121.6
121.5
121.4
121.3
0
10000
20000
30000
40000
50000
60000
70000

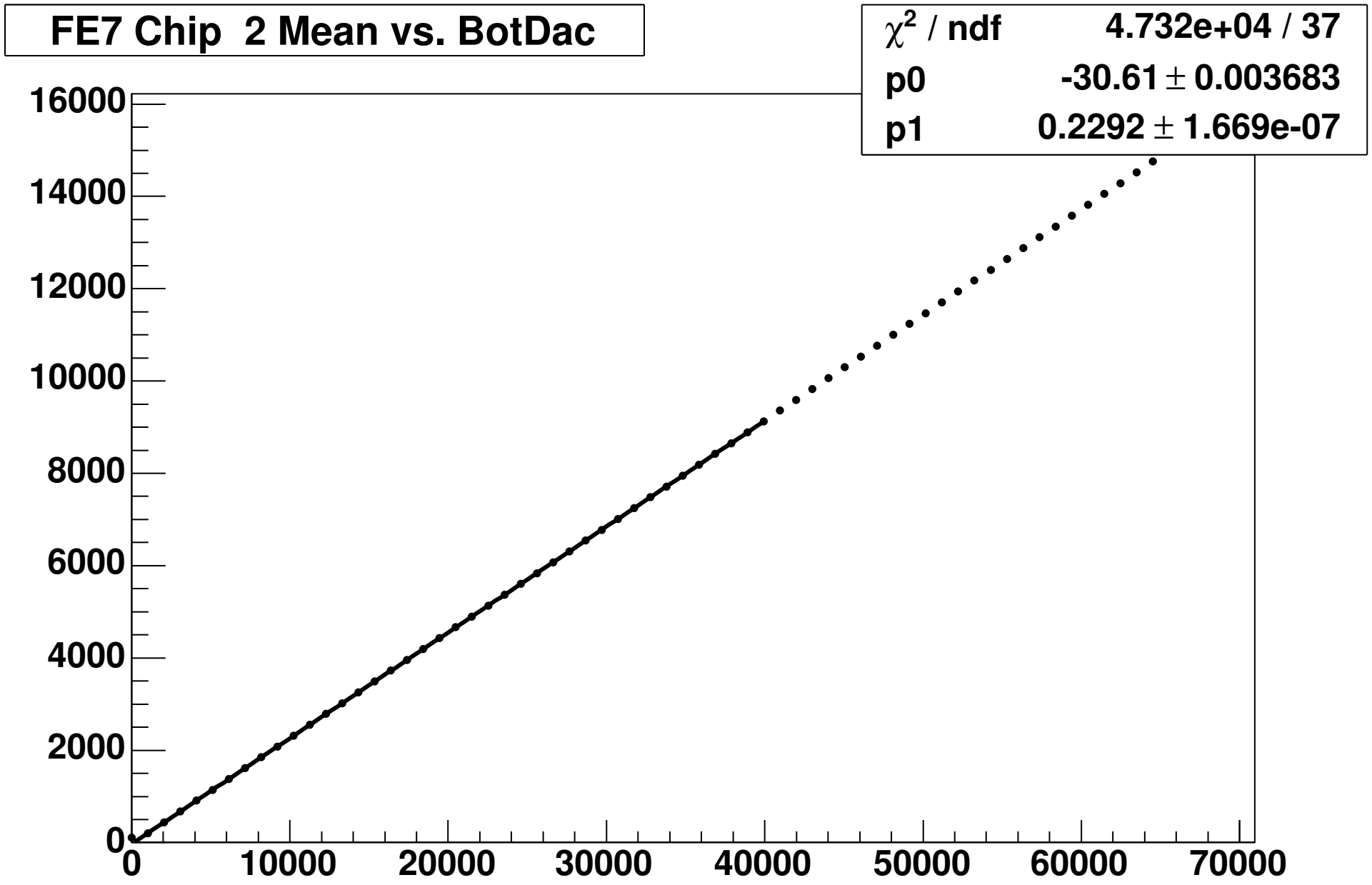

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 57.74 / 37
p0 0.9767 ± 0.001182
p1 -1.776e-16 ± 9.812e-07
1.35
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0
10000
20000
30000
40000
50000
60000
70000

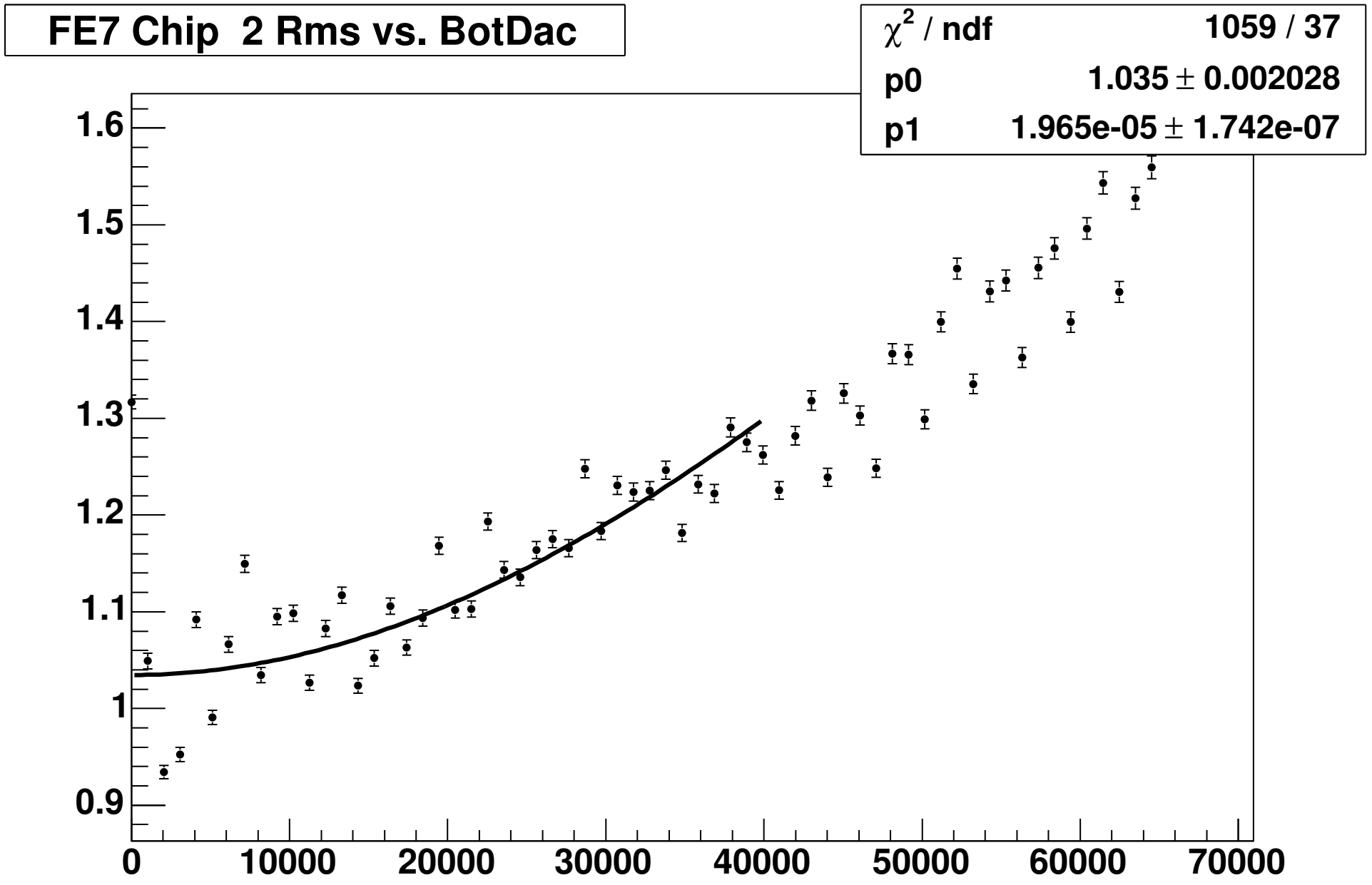

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 5.998e+04 / 37
p0 -25.34 ± 0.003487
p1 0.2294 ± 1.6e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

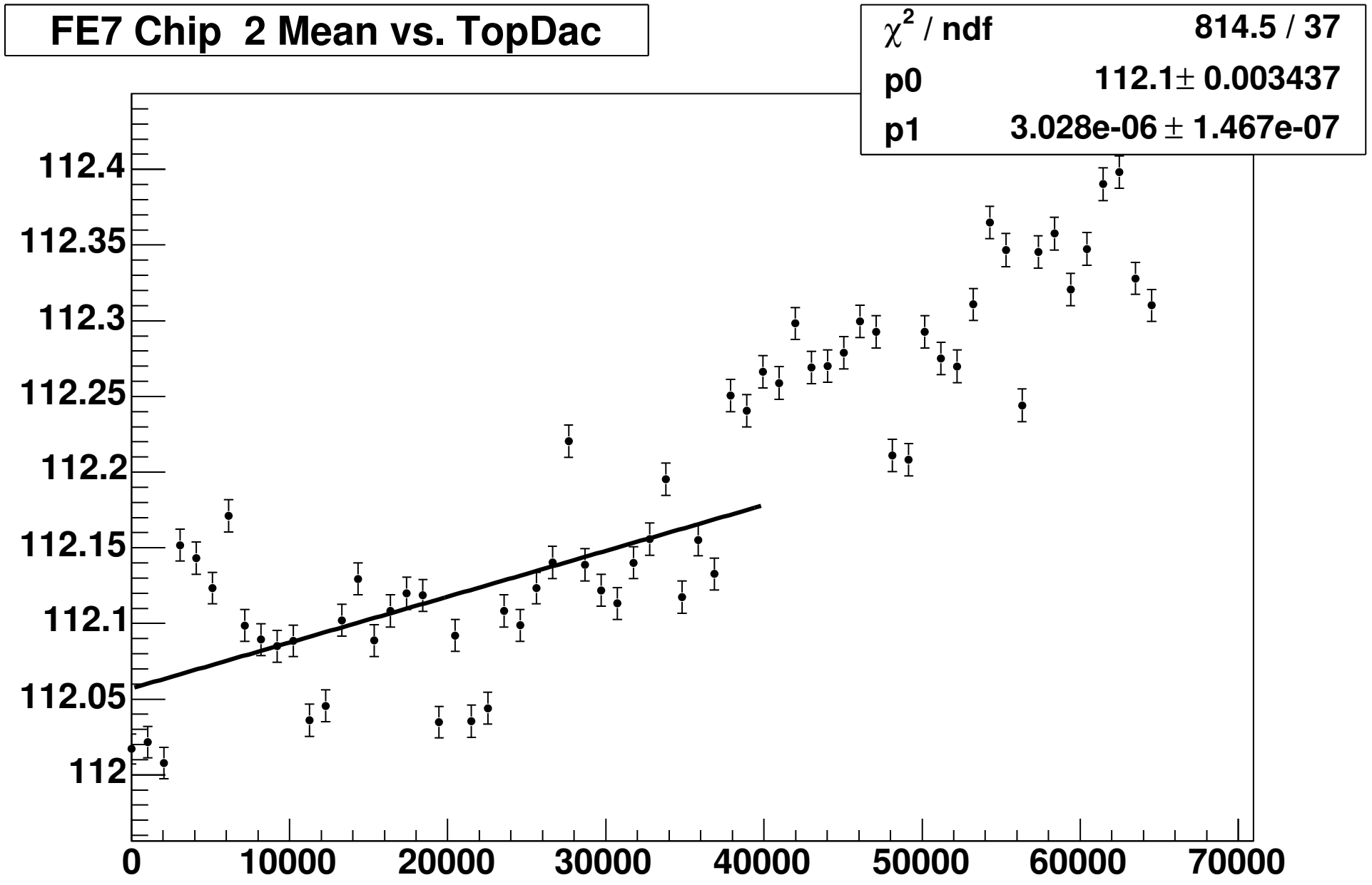

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1753 / 37
p0 0.9719 ± 0.001935
p1 2.061e-05 ± 1.544e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
30000
40000
50000
60000
70000

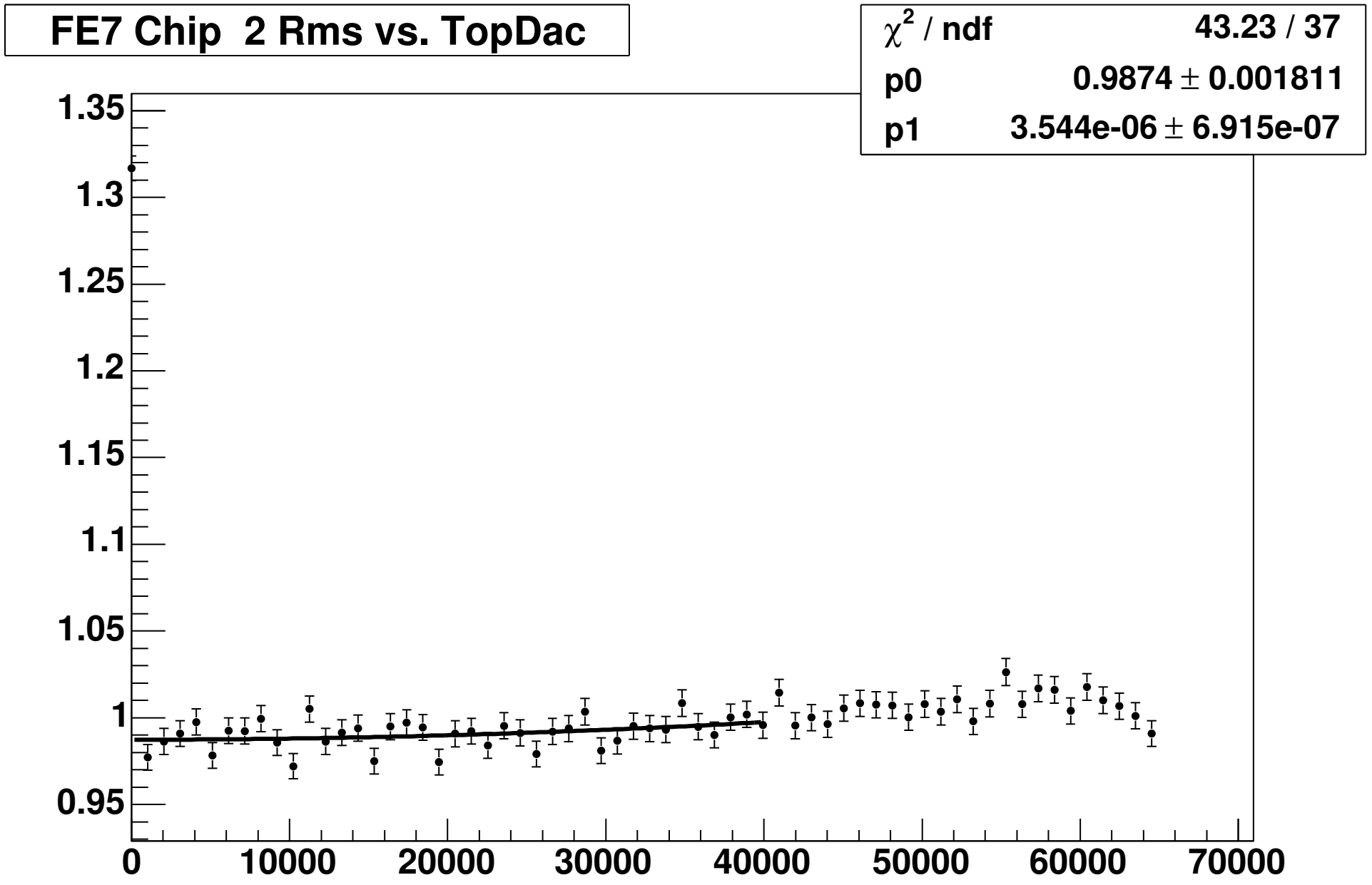

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 1001 / 37
p0 117.6 ± 0.003217
p1 3.024e-06 ± 1.366e-07
117.95
117.9
117.85
117.8
117.75
117.7
117.65
117.6
117.55
117.5
0
10000
20000
30000
40000
50000
60000
70000

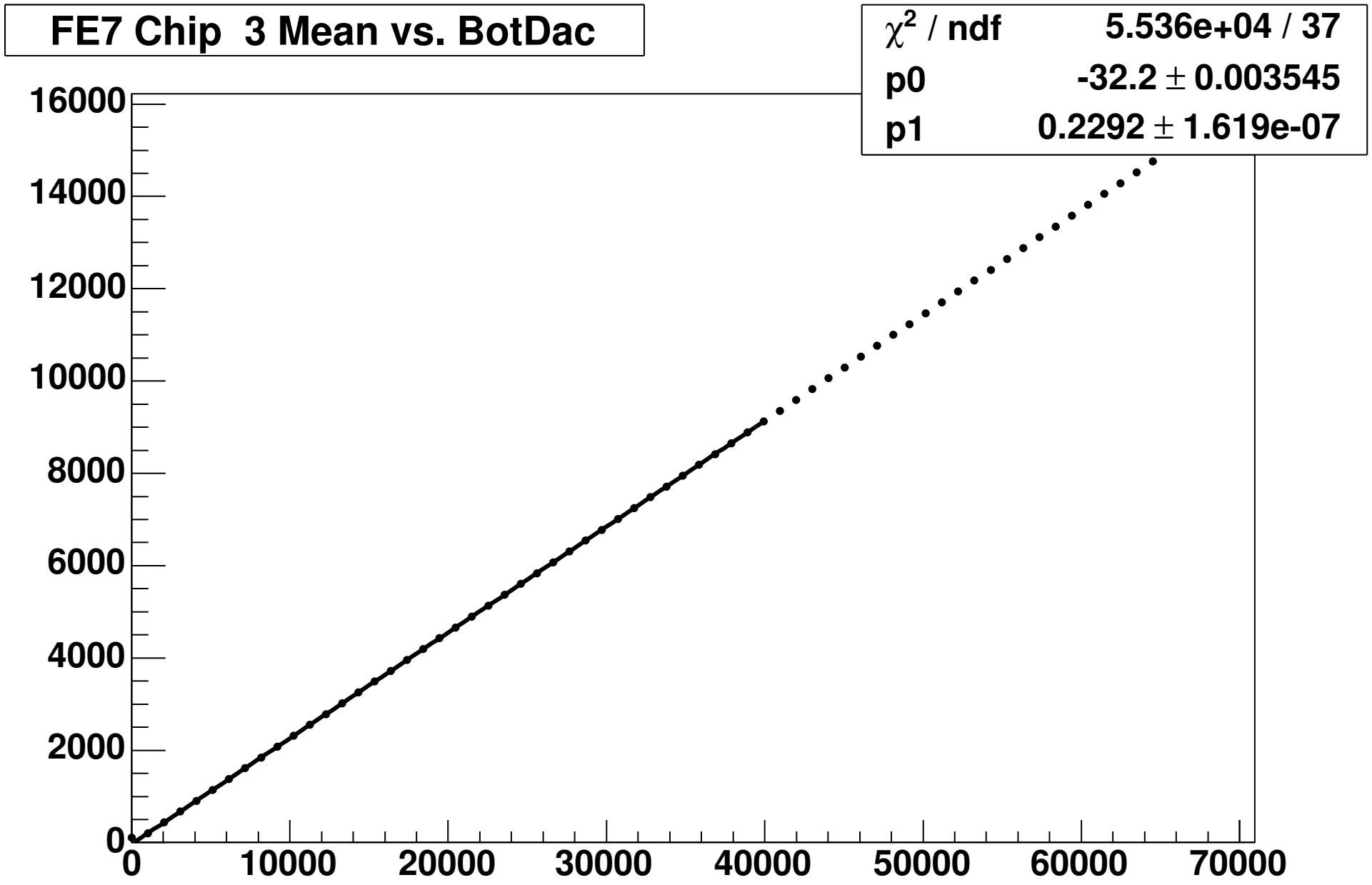

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 42.7 / 37
p0 0.9249 ± 0.001123
p1 4.289e-14 ± 1.08e-06
1.2
1.15
1.1
1.05
1
0.95
0.9
0
10000
20000
30000
40000
50000
60000
70000

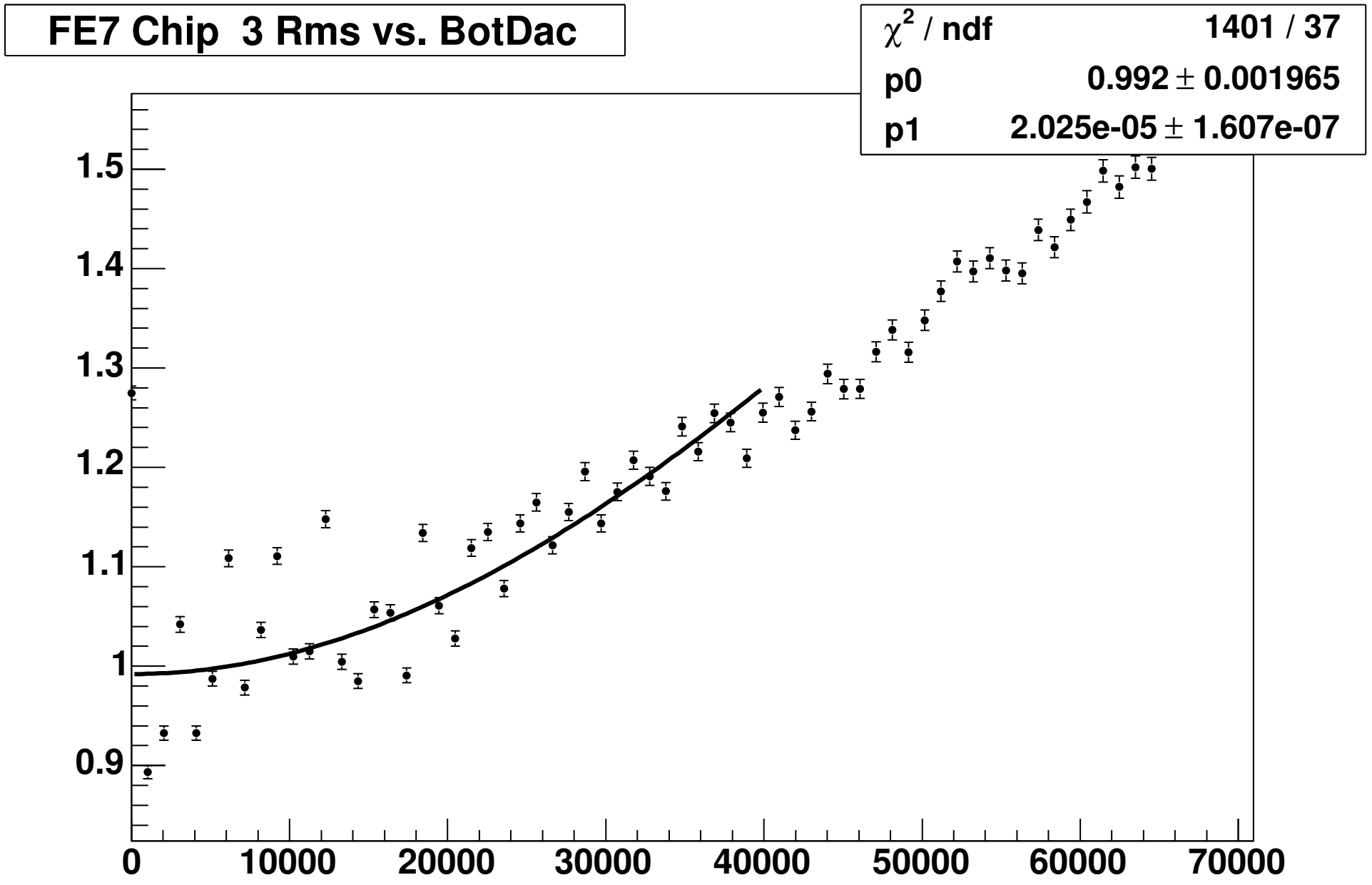

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 4.732e+04 / 37
p0 -30.61 ± 0.003683
p1 0.2292 ± 1.669e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

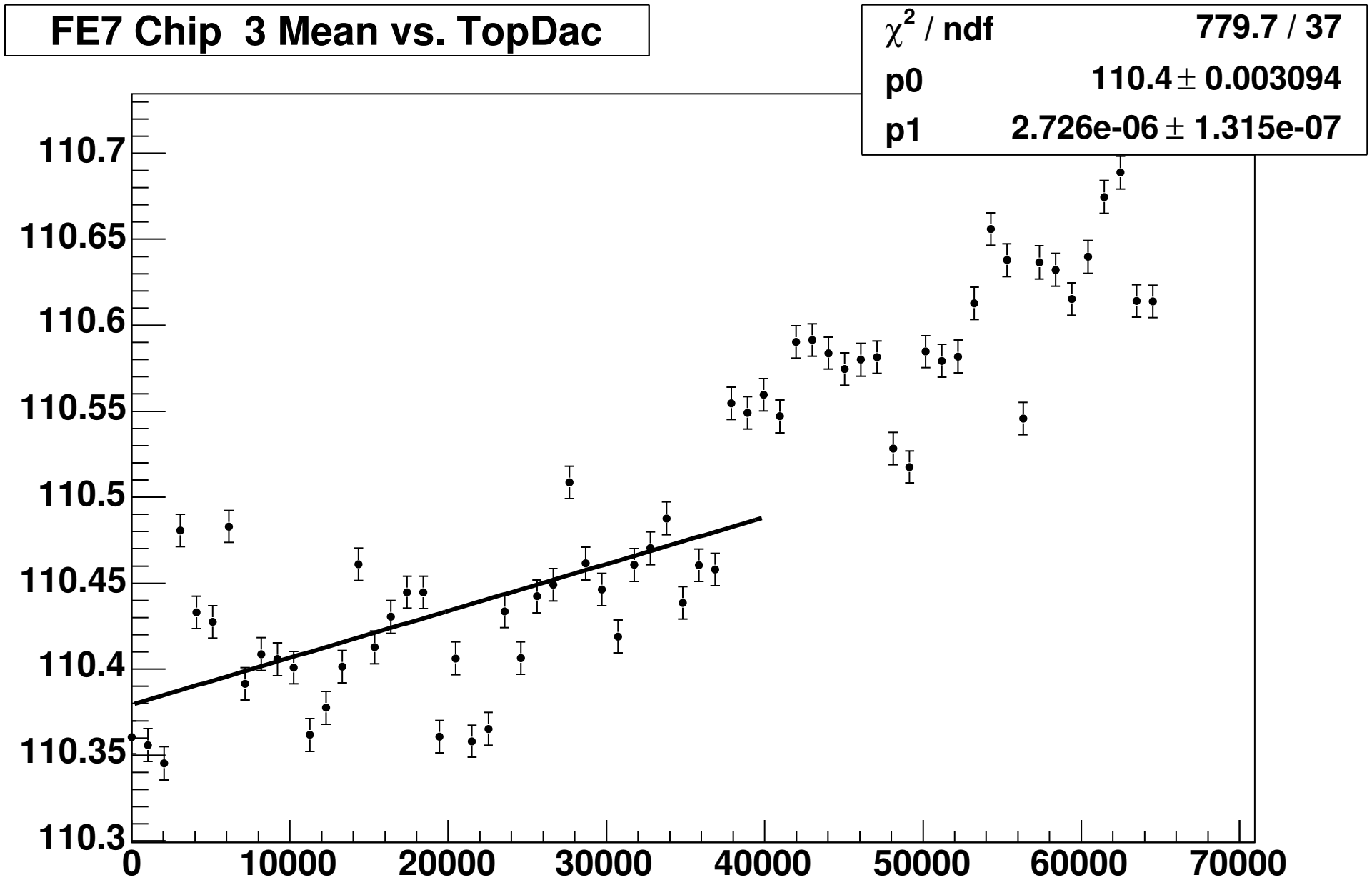

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1059 / 37
p0 1.035 ± 0.002028
p1 1.965e-05 ± 1.742e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 814.5 / 37
p0 112.1 ± 0.003437
p1 3.028e-06 ± 1.467e-07
112.4
112.35
112.3
112.25
112.2
112.15
112.1
112.05
112
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 43.23 / 37
p0 0.9874 ± 0.001811
p1 3.544e-06 ± 6.915e-07
1.35
1.3
1.25
1.2
1.15
1.1
1.05
1
0.95
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 5.536e+04 / 37
p0 -32.2 ± 0.003545
p1 0.2292 ± 1.619e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1401 / 37
p0 0.992 ± 0.001965
p1 2.025e-05 ± 1.607e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 779.7 / 37
p0 110.4 ± 0.003094
p1 2.726e-06 ± 1.315e-07
110.7
110.65
110.6
110.55
110.5
110.45
110.4
110.35
110.3
0
10000
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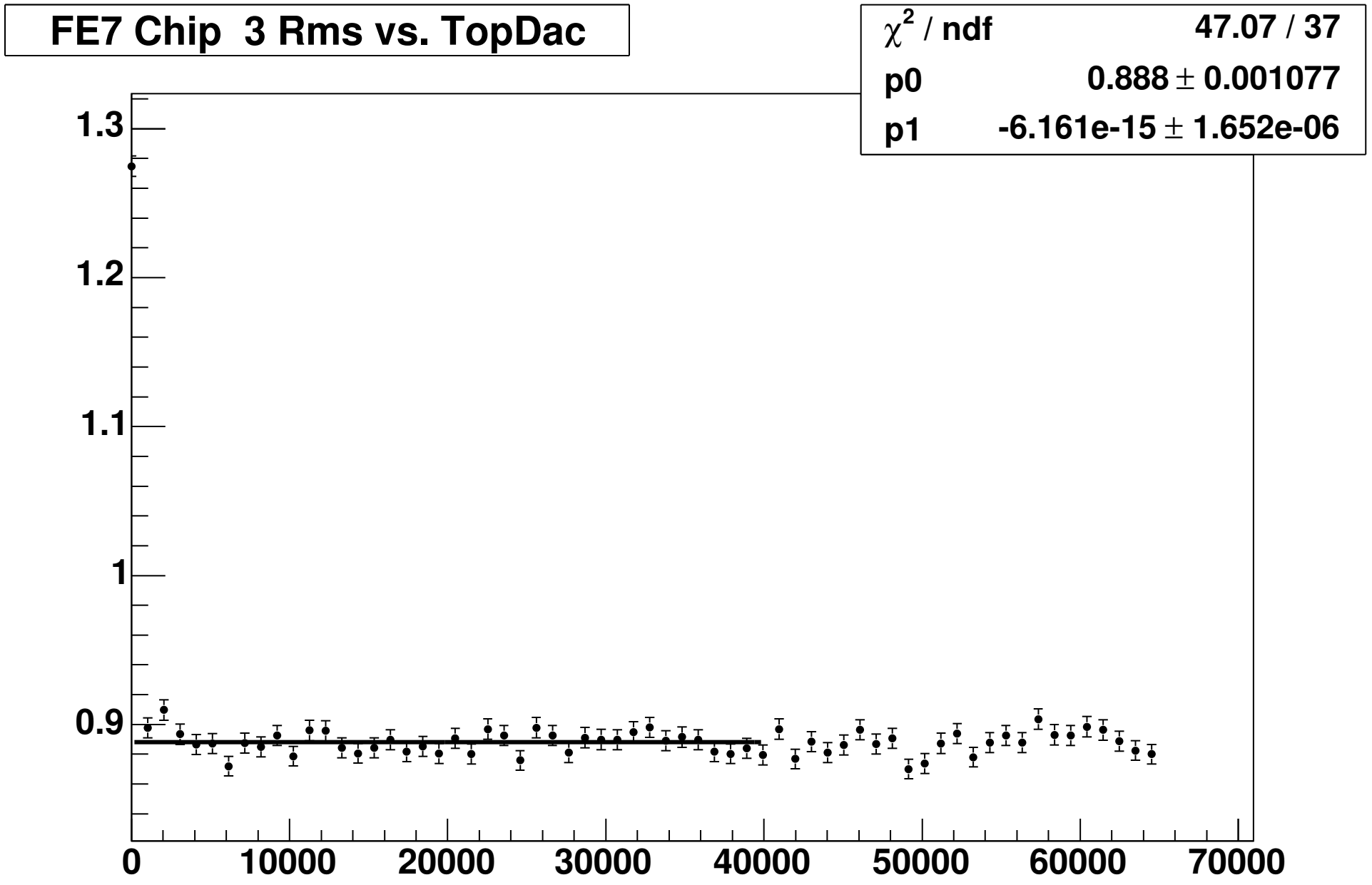
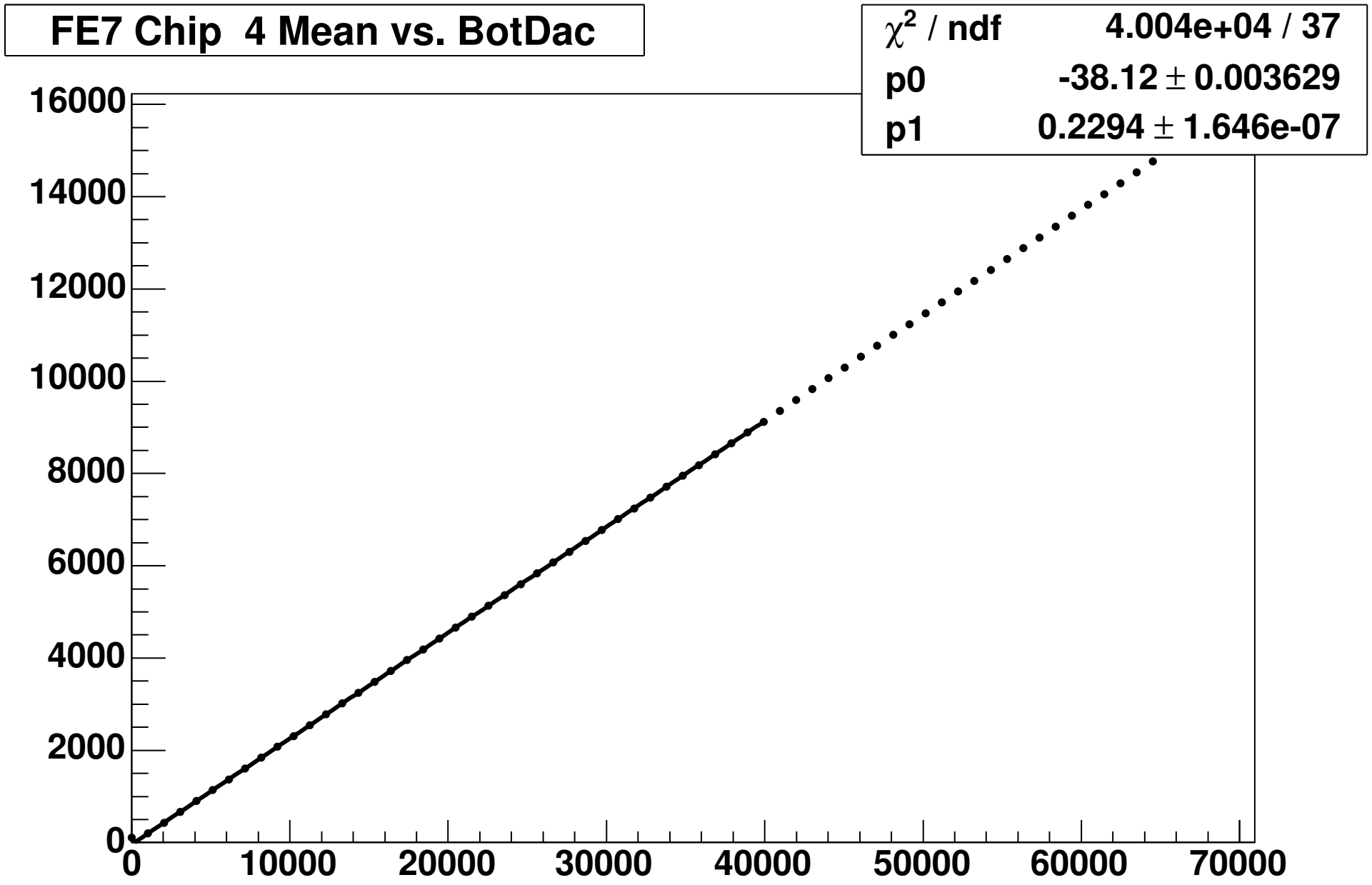
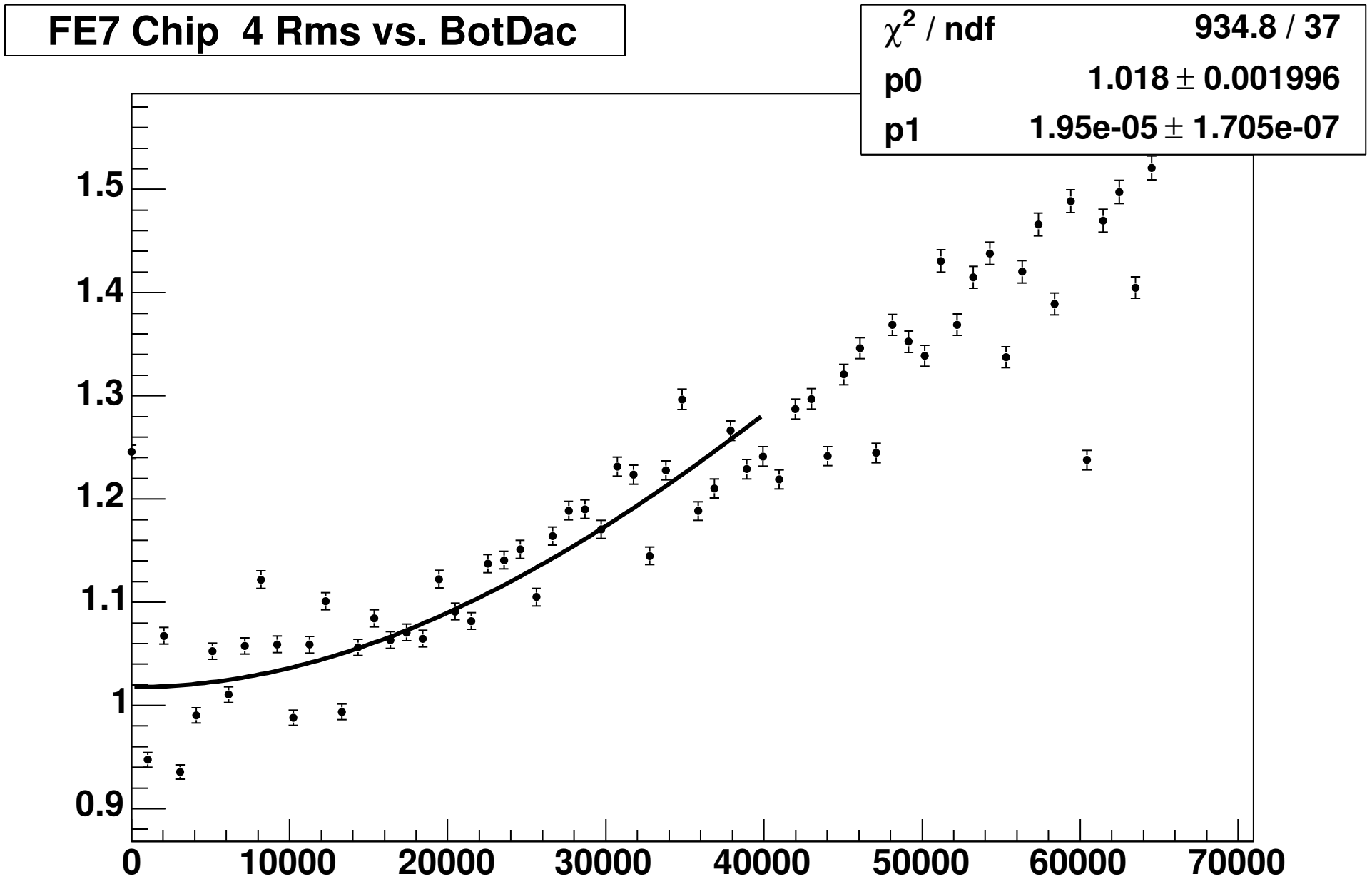
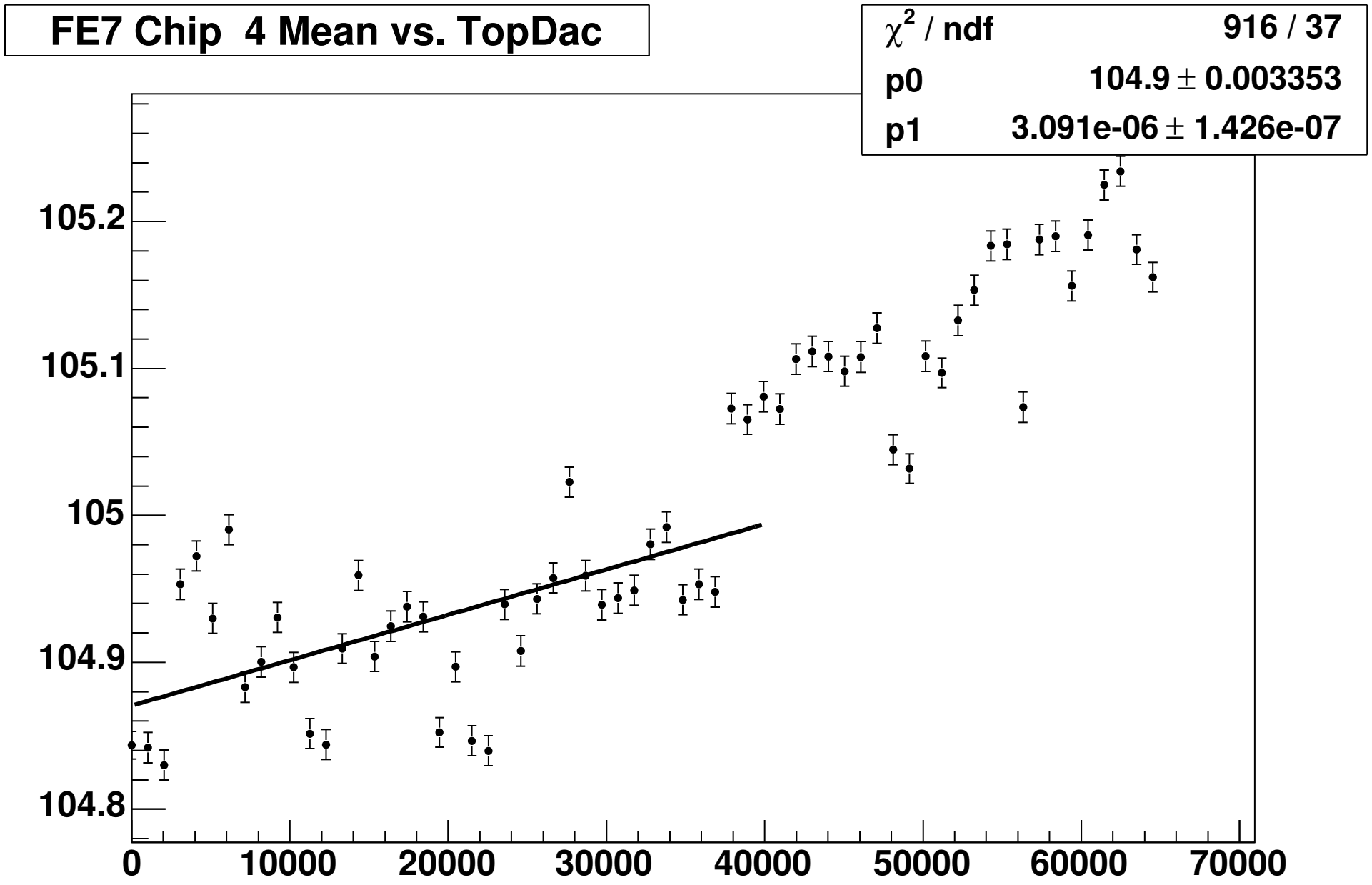
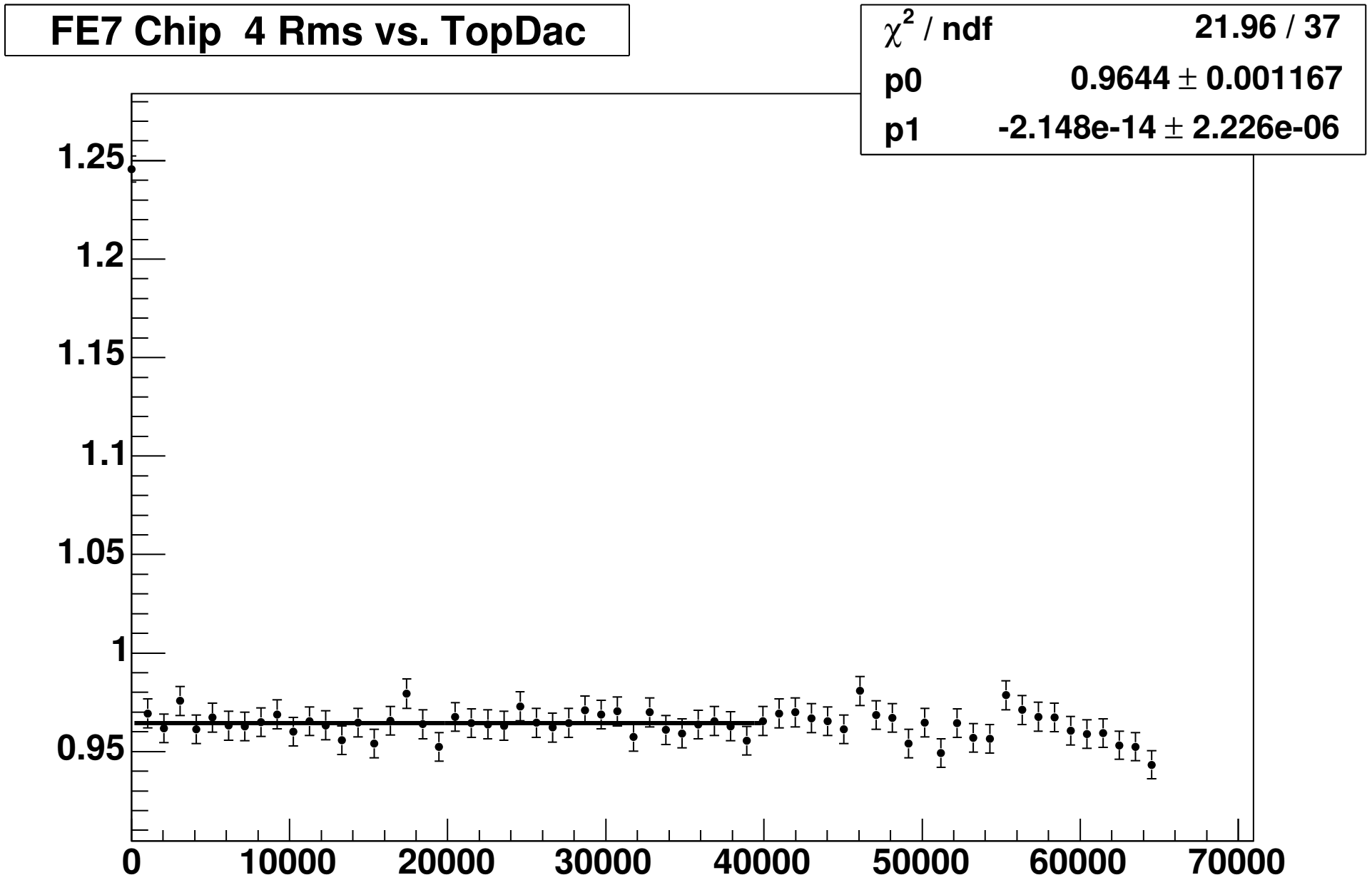
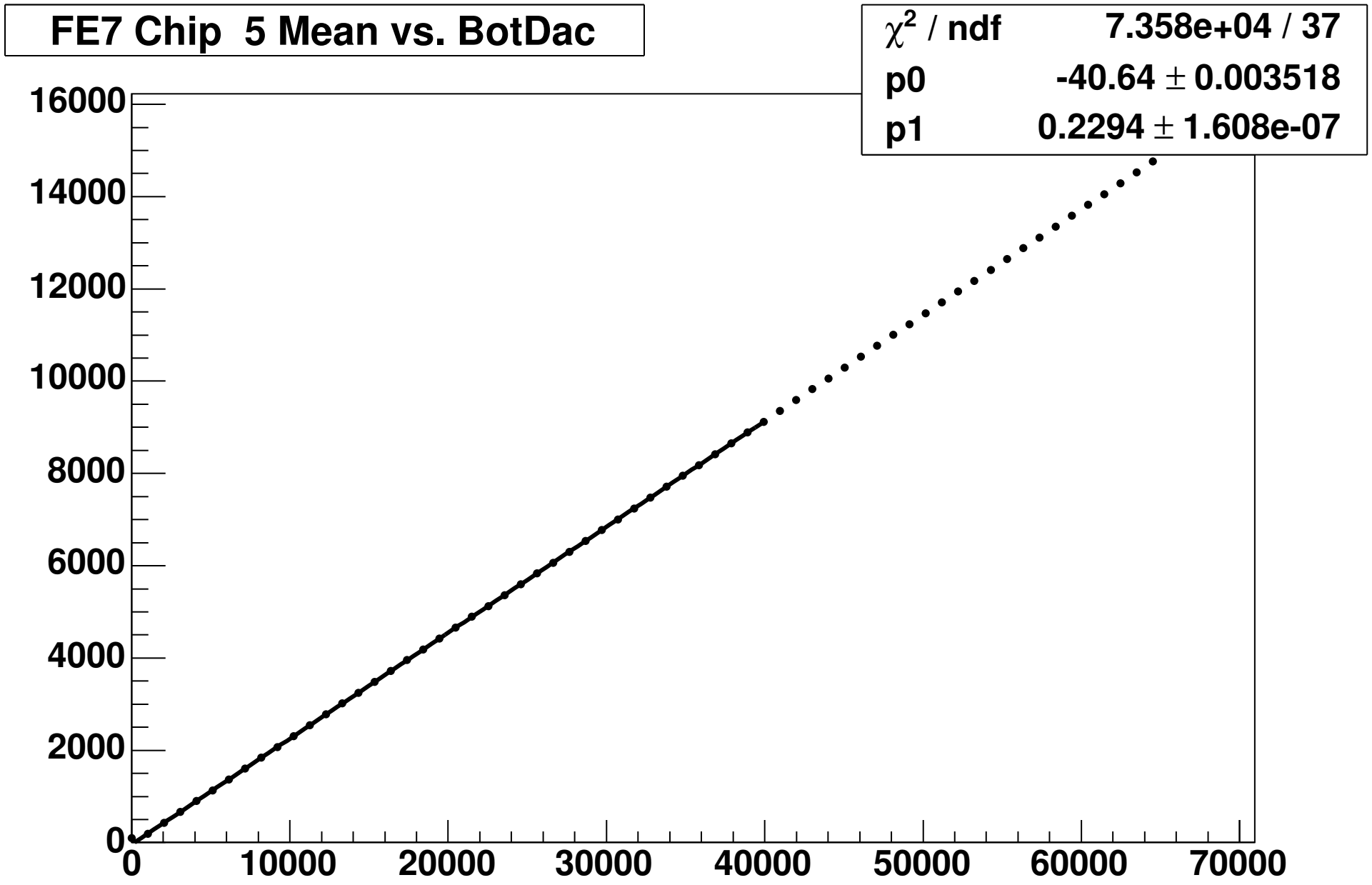

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 47.07 / 37
p0 0.888 ± 0.001077
p1 -6.161e-15 ± 1.652e-06
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

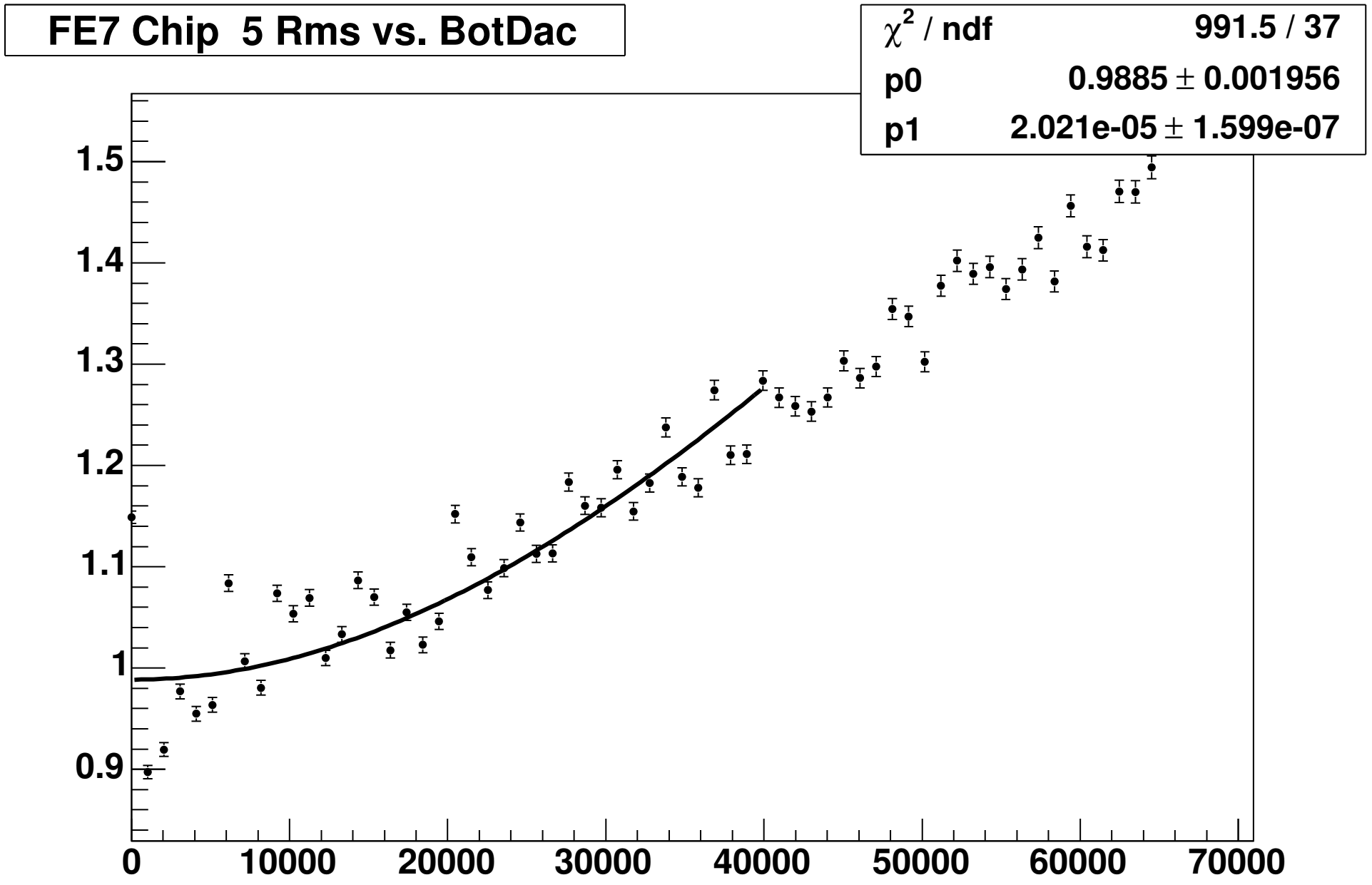

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 4.004e+04 / 37
p0 -38.12 ± 0.003629
p1 0.2294 ± 1.646e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

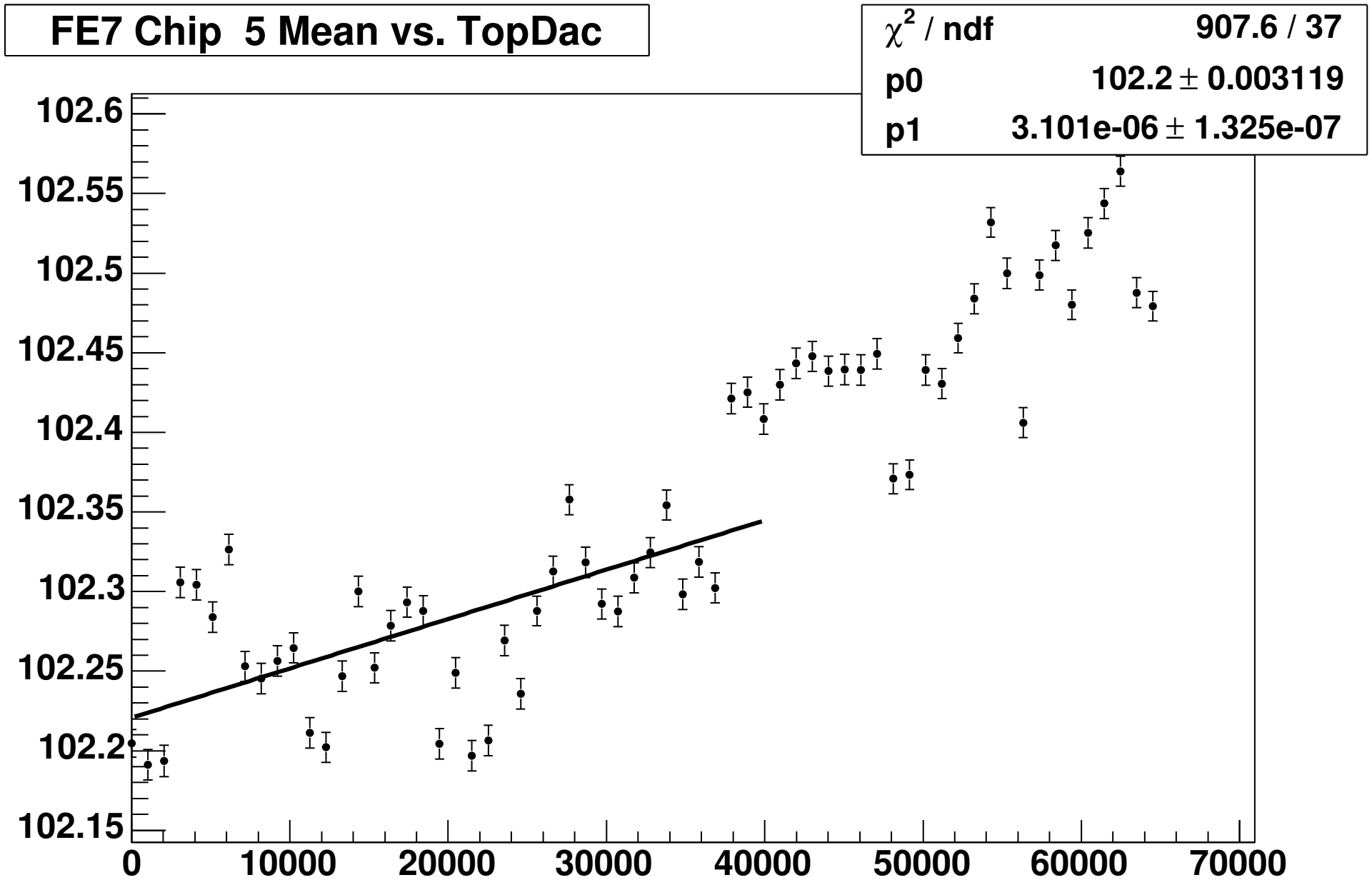

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 934.8 / 37
p0 1.018 ± 0.001996
p1 1.95e-05 ± 1.705e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

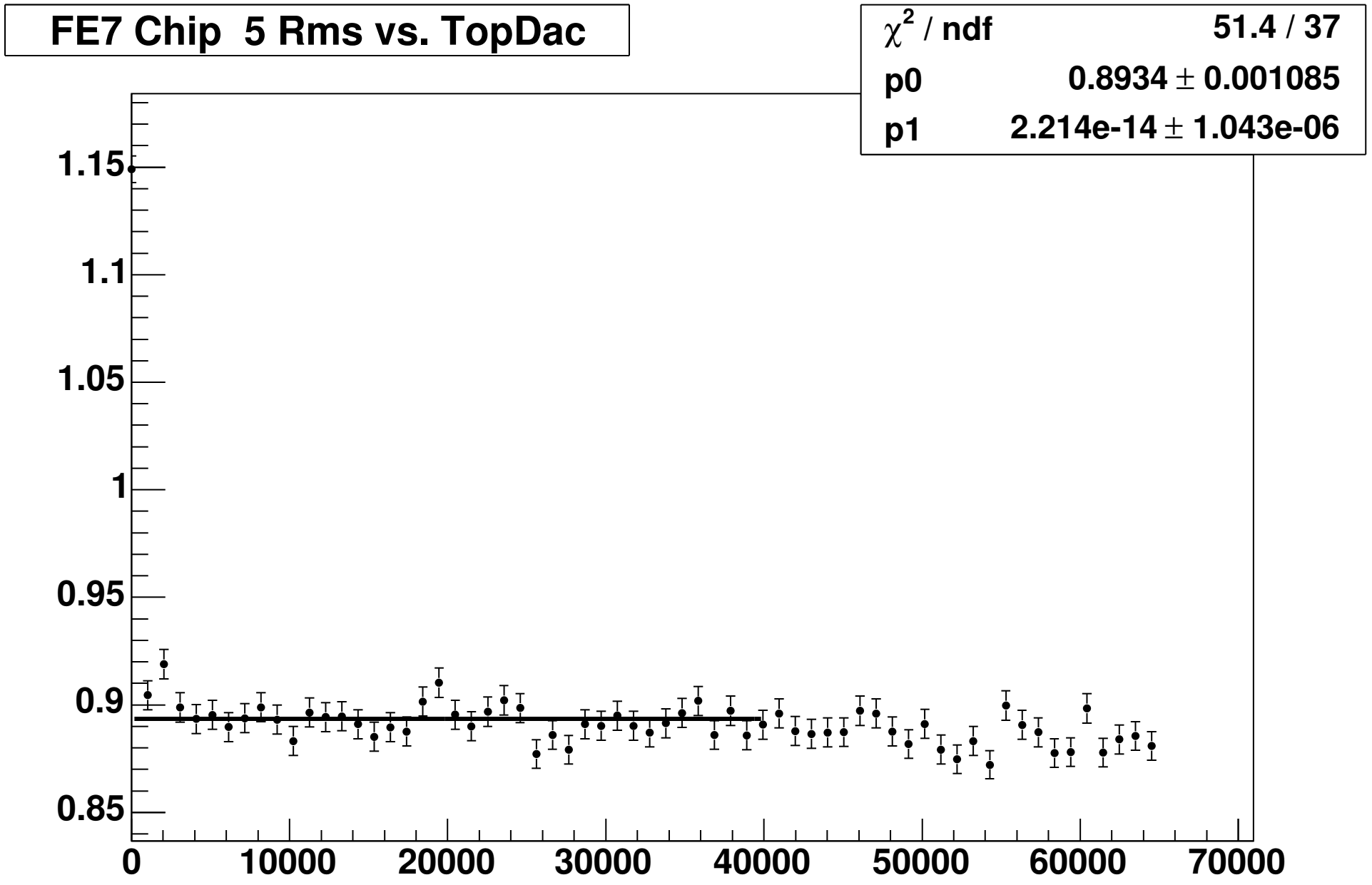

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 916 / 37
p0 104.9 ± 0.003353
p1 3.091e-06 ± 1.426e-07
105.2
105.1
105
104.9
104.8
0
10000
20000
30000
40000
50000
60000
70000

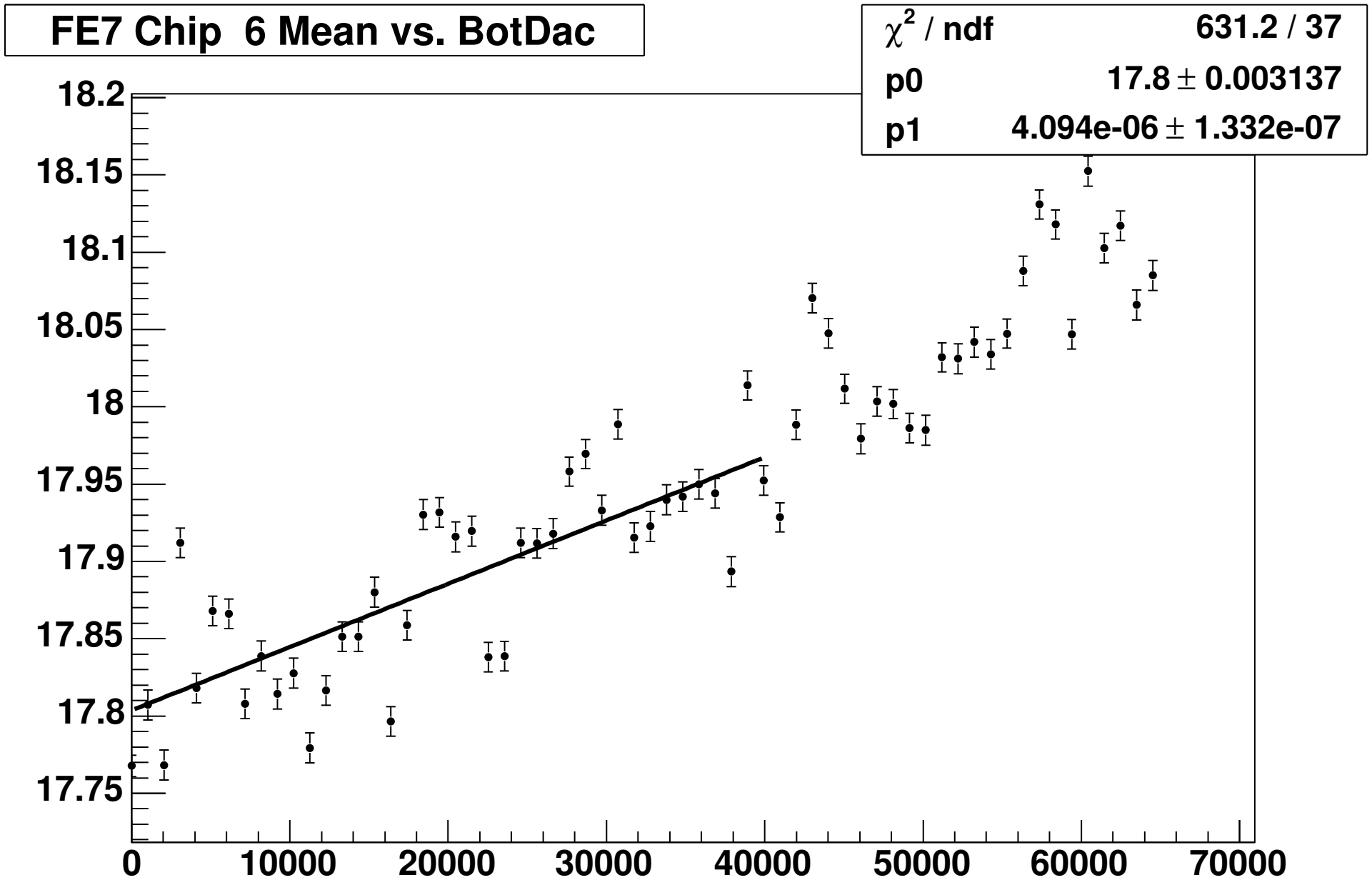

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 21.96 / 37
p0 0.9644 ± 0.001167
p1 -2.148e-14 ± 2.226e-06
1.25
1.2
1.15
1.1
1.05
1
0.95
0
10000
20000
30000
40000
50000
60000
70000

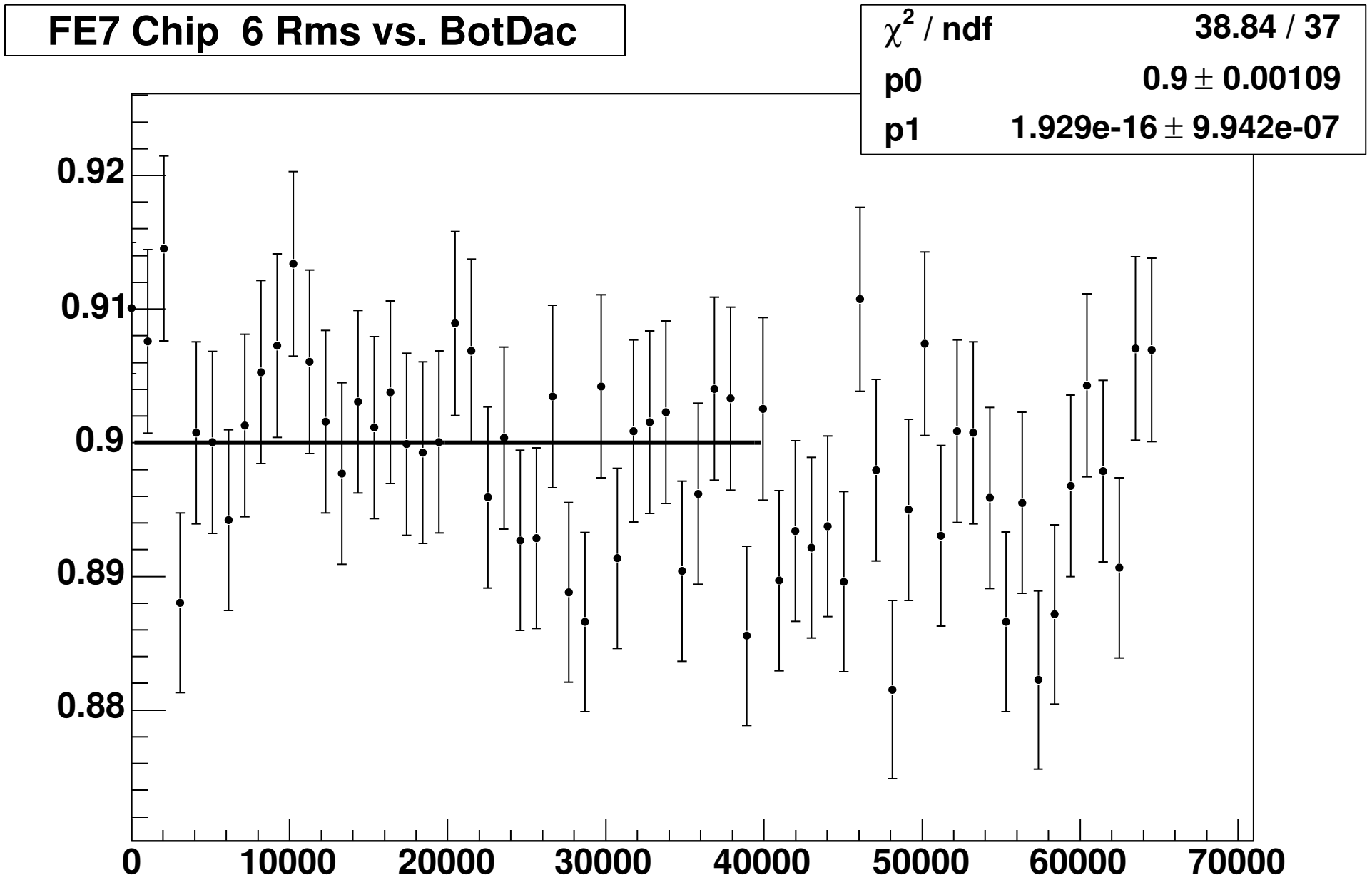

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 7.358e+04 / 37
p0 -40.64 ± 0.003518
p1 0.2294 ± 1.608e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

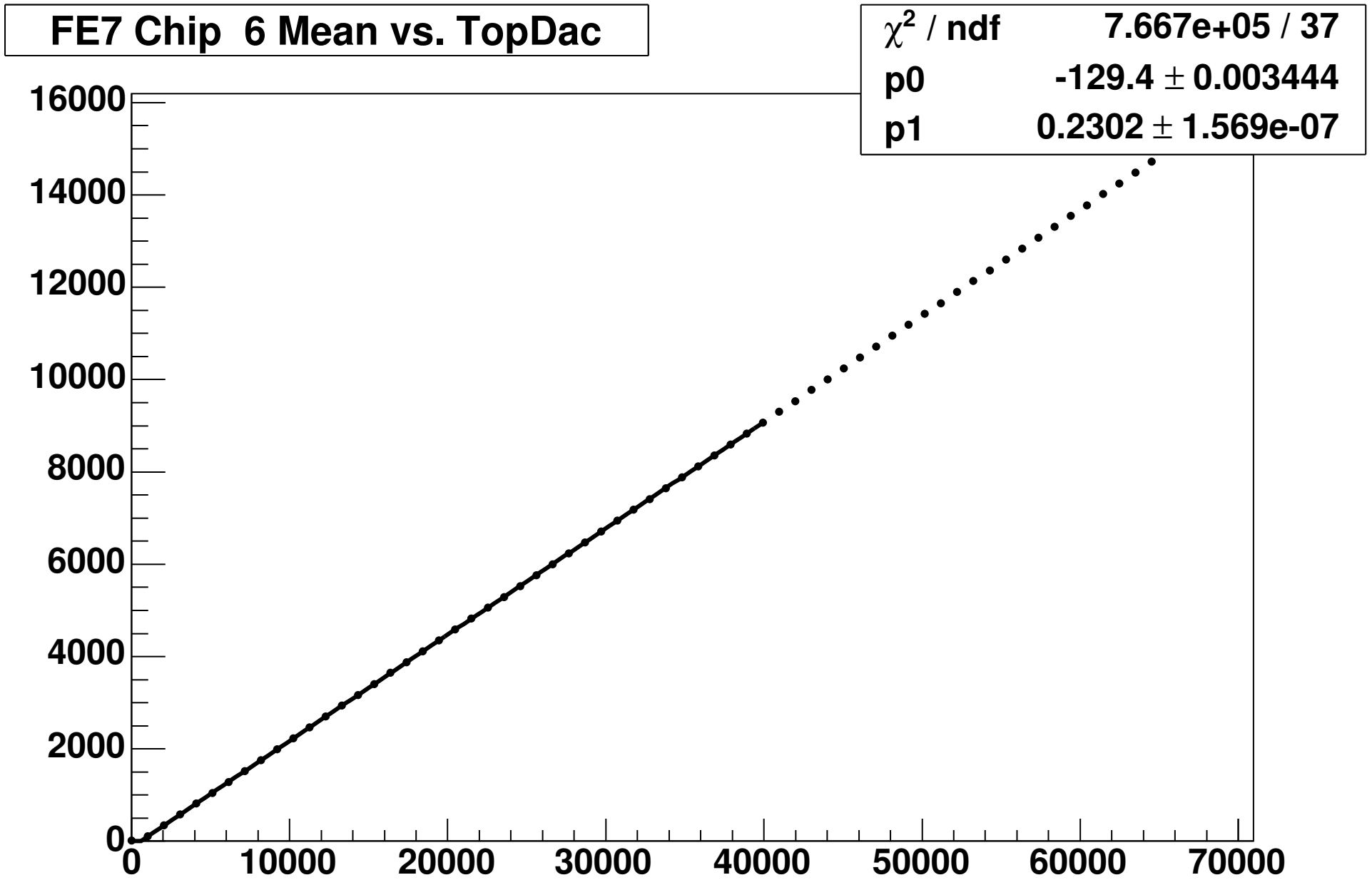

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 991.5 / 37
p0 0.9885 ± 0.001956
p1 2.021e-05 ± 1.599e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

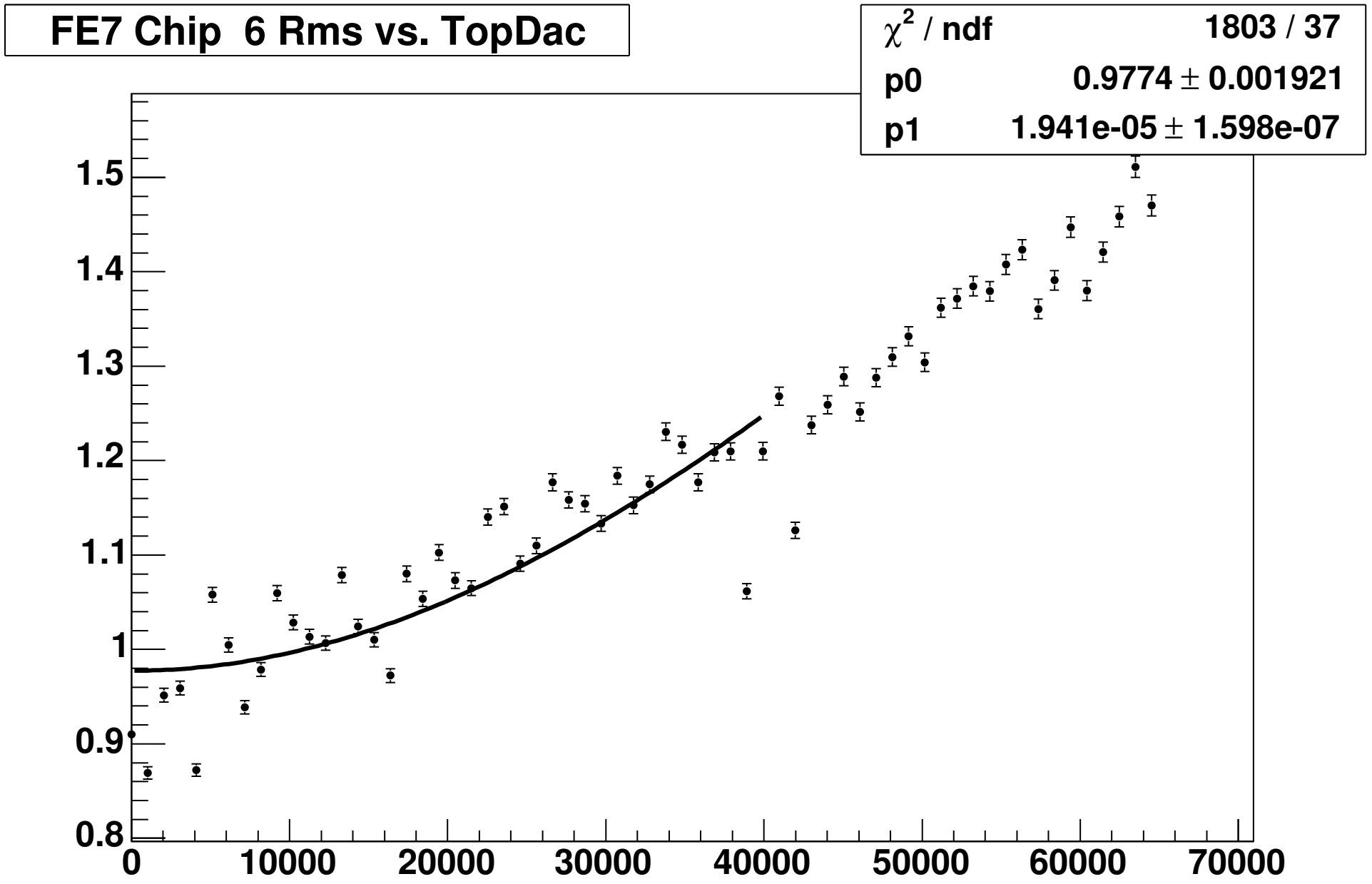

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 907.6 / 37
p0 102.2 ± 0.003119
p1 3.101e-06 ± 1.325e-07
102.6
102.55
102.5
102.45
102.4
102.35
102.3
102.25
102.2
102.15
0
10000
20000
30000
40000
50000
60000
70000

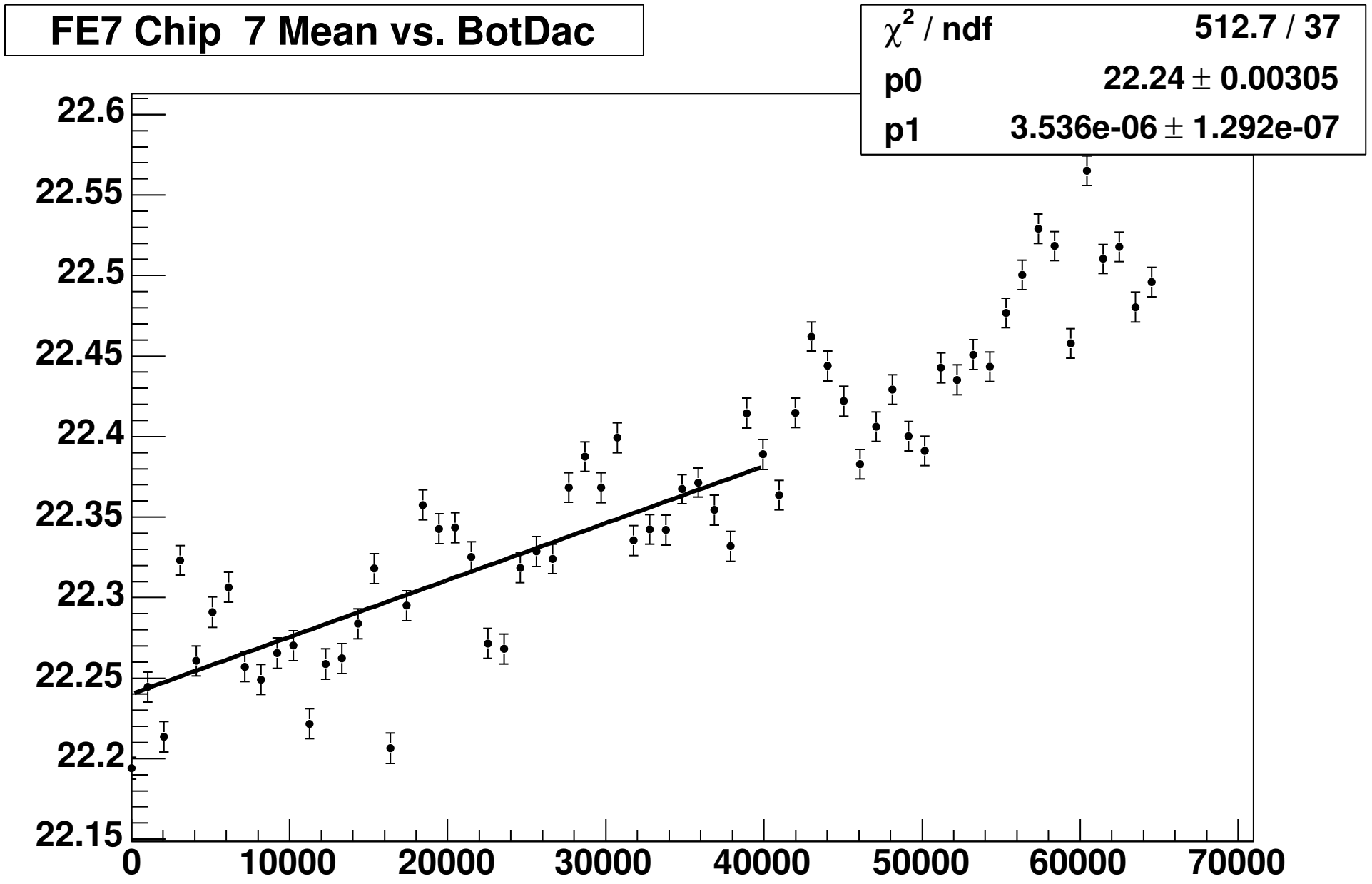

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 51.4 / 37
p0 0.8934 ± 0.001085
p1 2.214e-14 ± 1.043e-06
1.15
1.1
1.05
1
0.95
0.9
0.85
0
10000
20000
30000
40000
50000
60000
70000

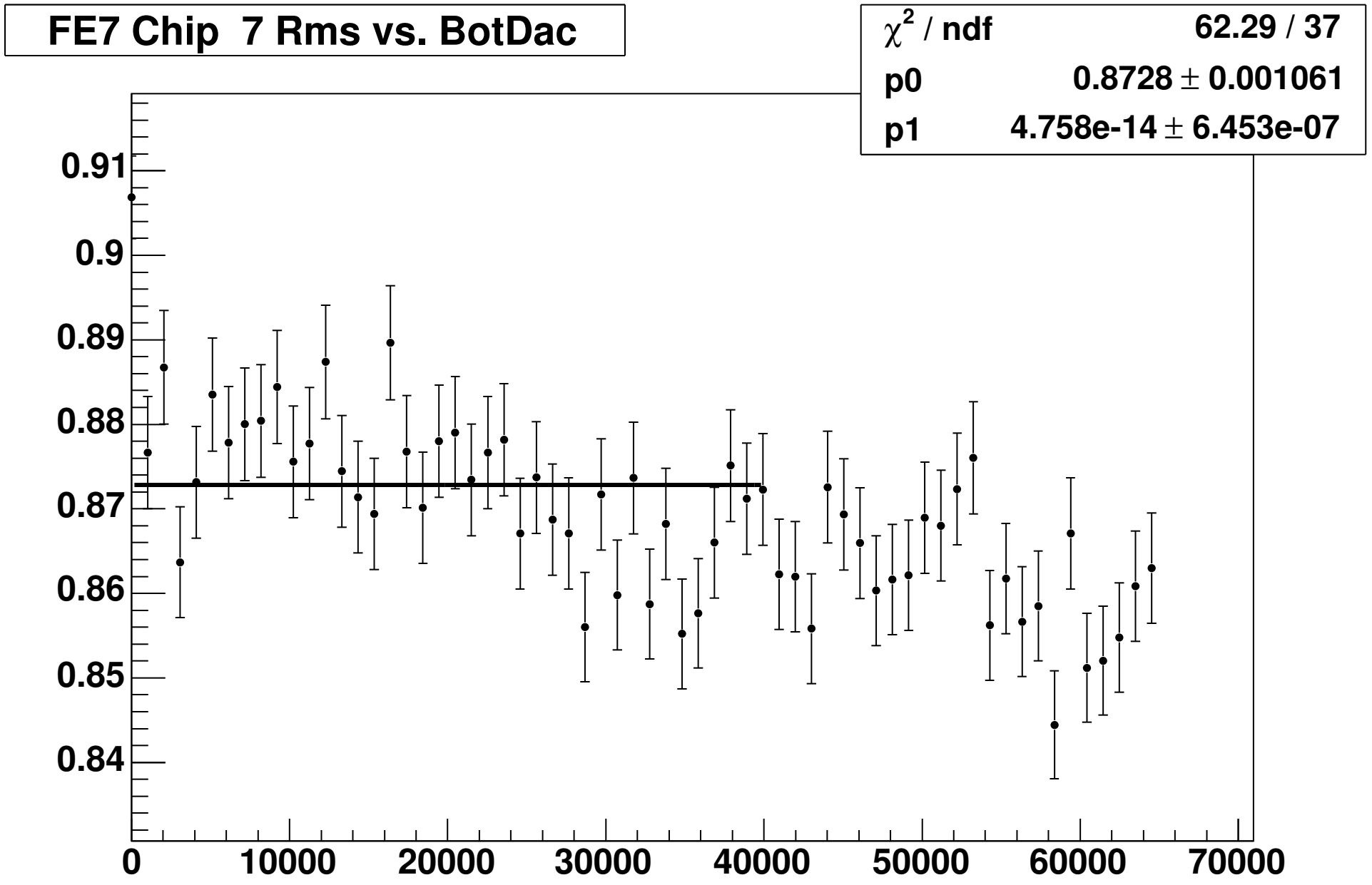

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 631.2 / 37
p0 17.8 ± 0.003137
p1 4.094e-06 ± 1.332e-07
18.2
18.15
18.1
18.05
18
17.95
17.9
17.85
17.8
17.75
0
10000
20000
30000
40000
50000
60000
70000

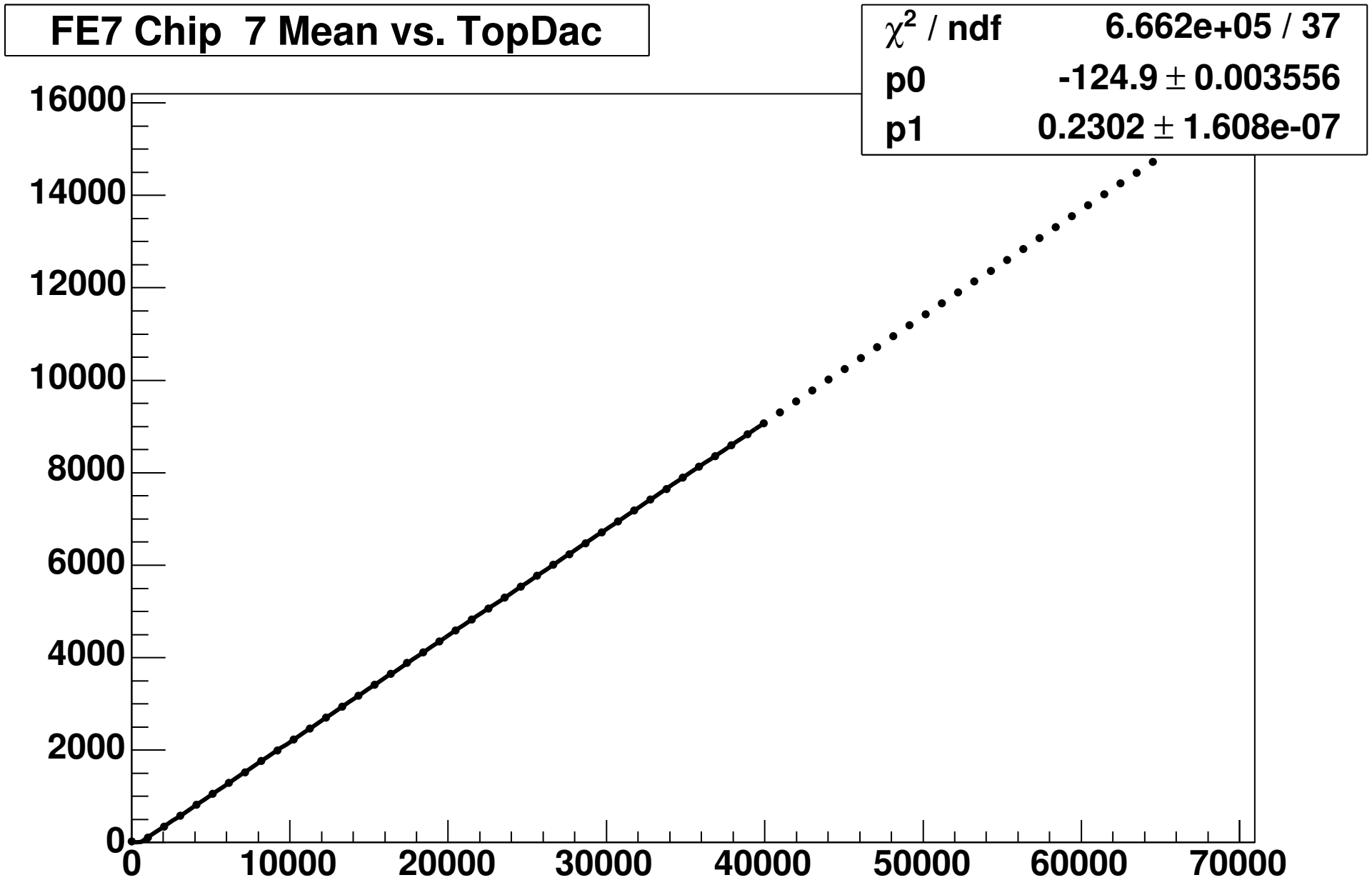

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 38.84 / 37
p0 0.9 ± 0.00109
p1 1.929e-16 ± 9.942e-07
0.92
0.91
0.9
0.89
0.88
0
10000
20000
30000
40000
50000
60000
70000

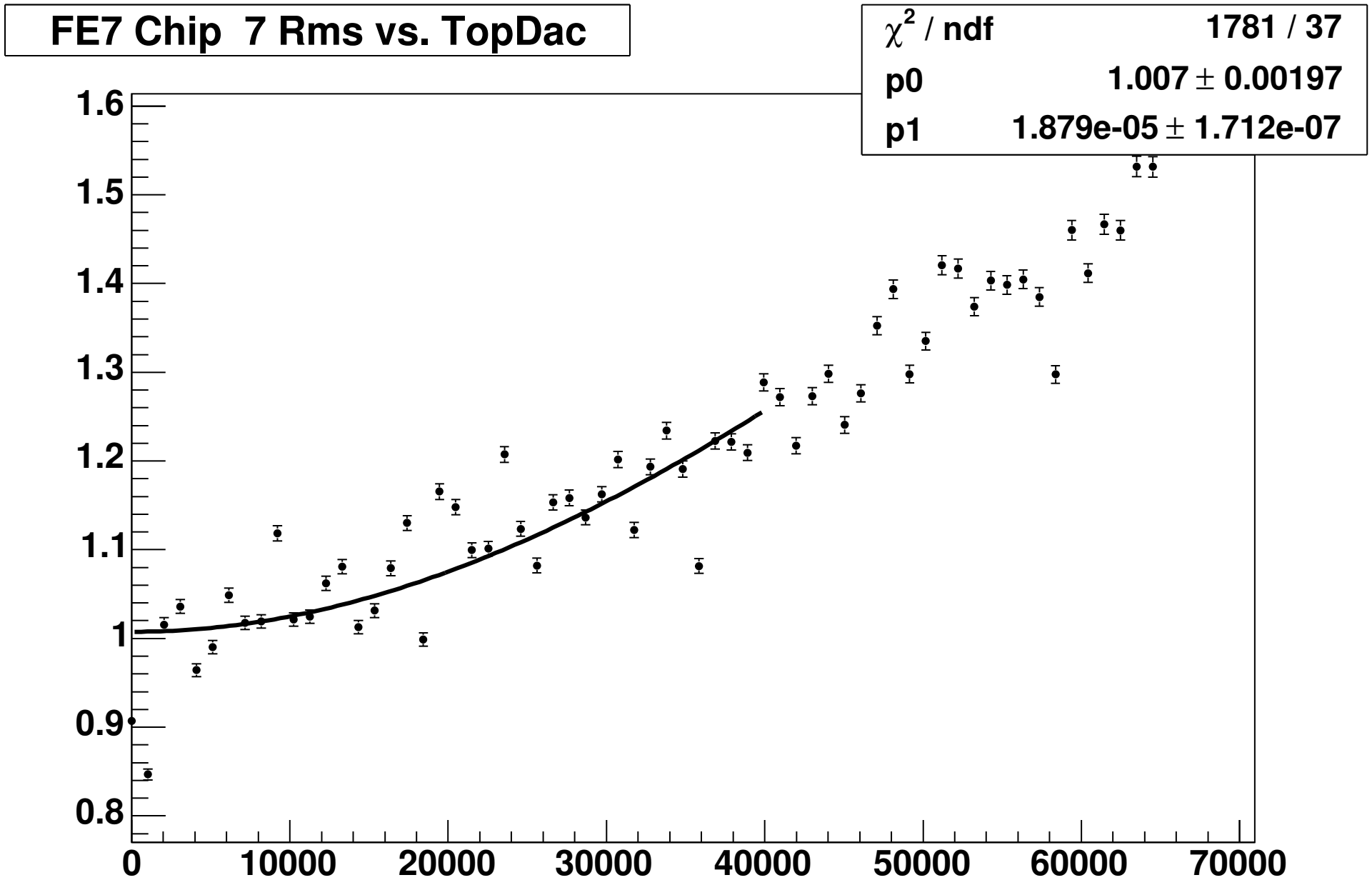

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 7.667e+05 / 37
p0 -129.4 ± 0.003444
p1 0.2302 ± 1.569e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

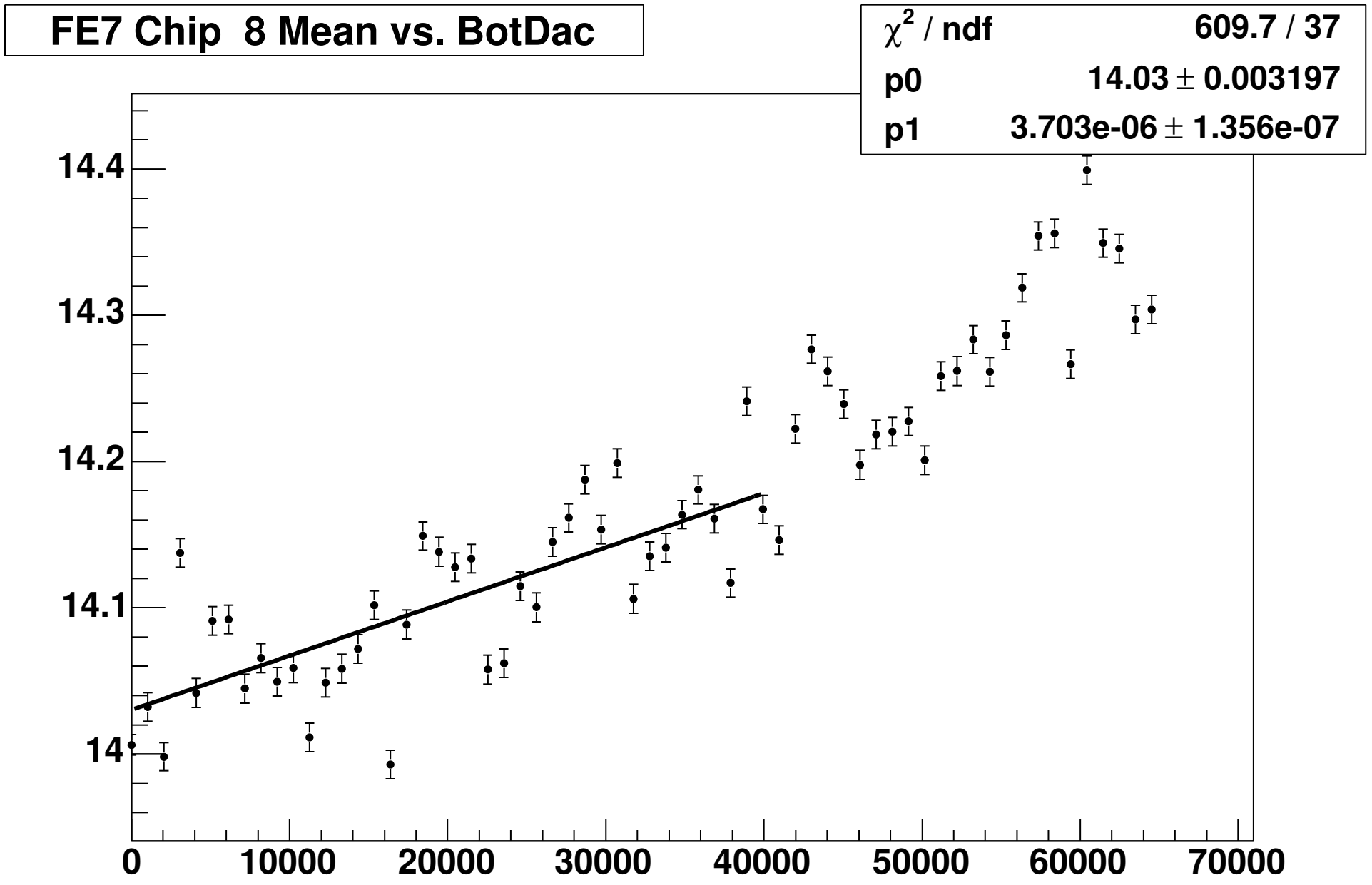

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1803 / 37
p0 0.9774 ± 0.001921
p1 1.941e-05 ± 1.598e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
30000
40000
50000
60000
70000

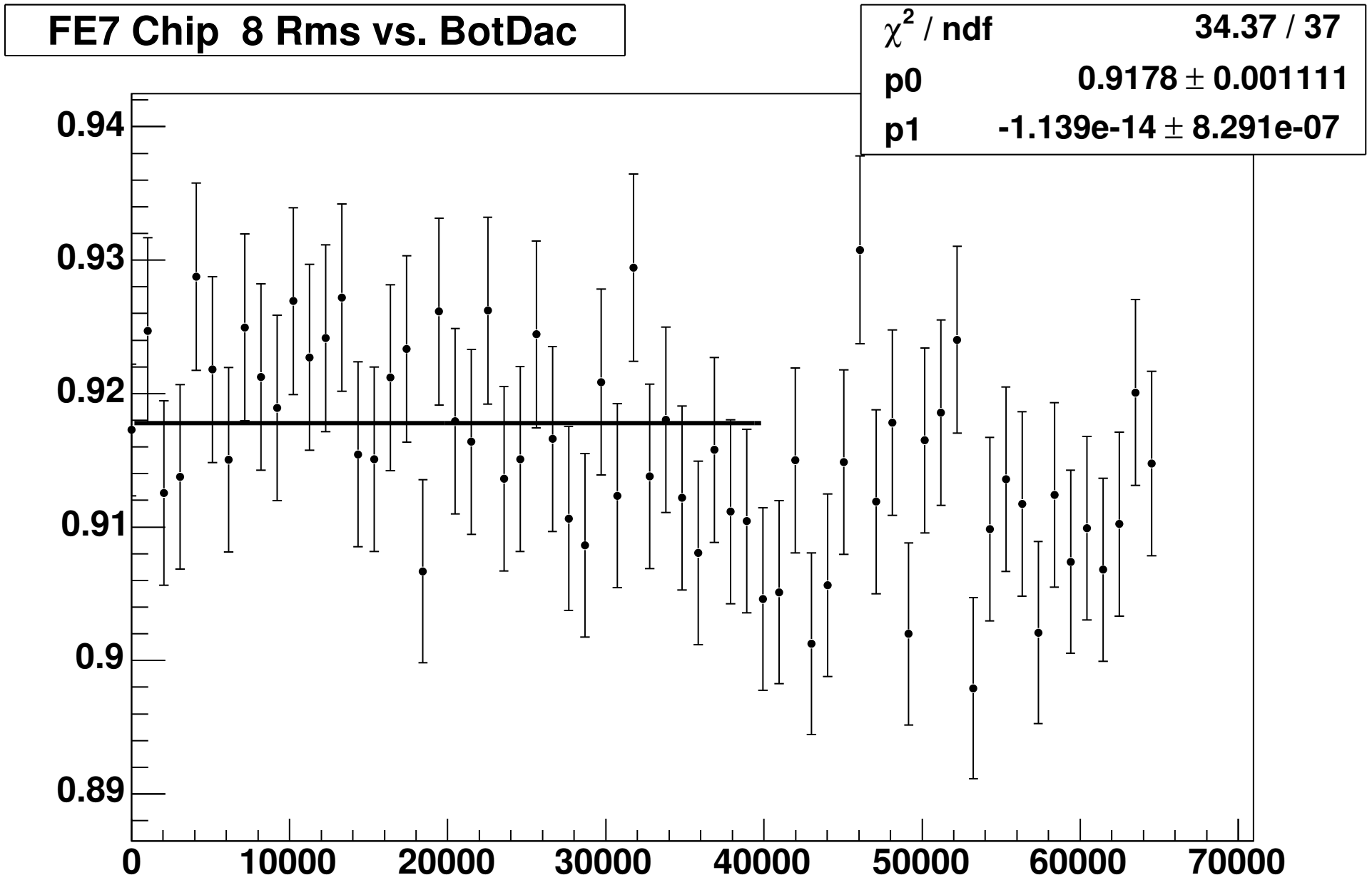

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 512.7 / 37
p0 22.24 ± 0.00305
p1 3.536e-06 ± 1.292e-07
22.6
22.55
22.5
22.45
22.4
22.35
22.3
22.25
22.2
22.15
0
10000
20000
30000
40000
50000
60000
70000

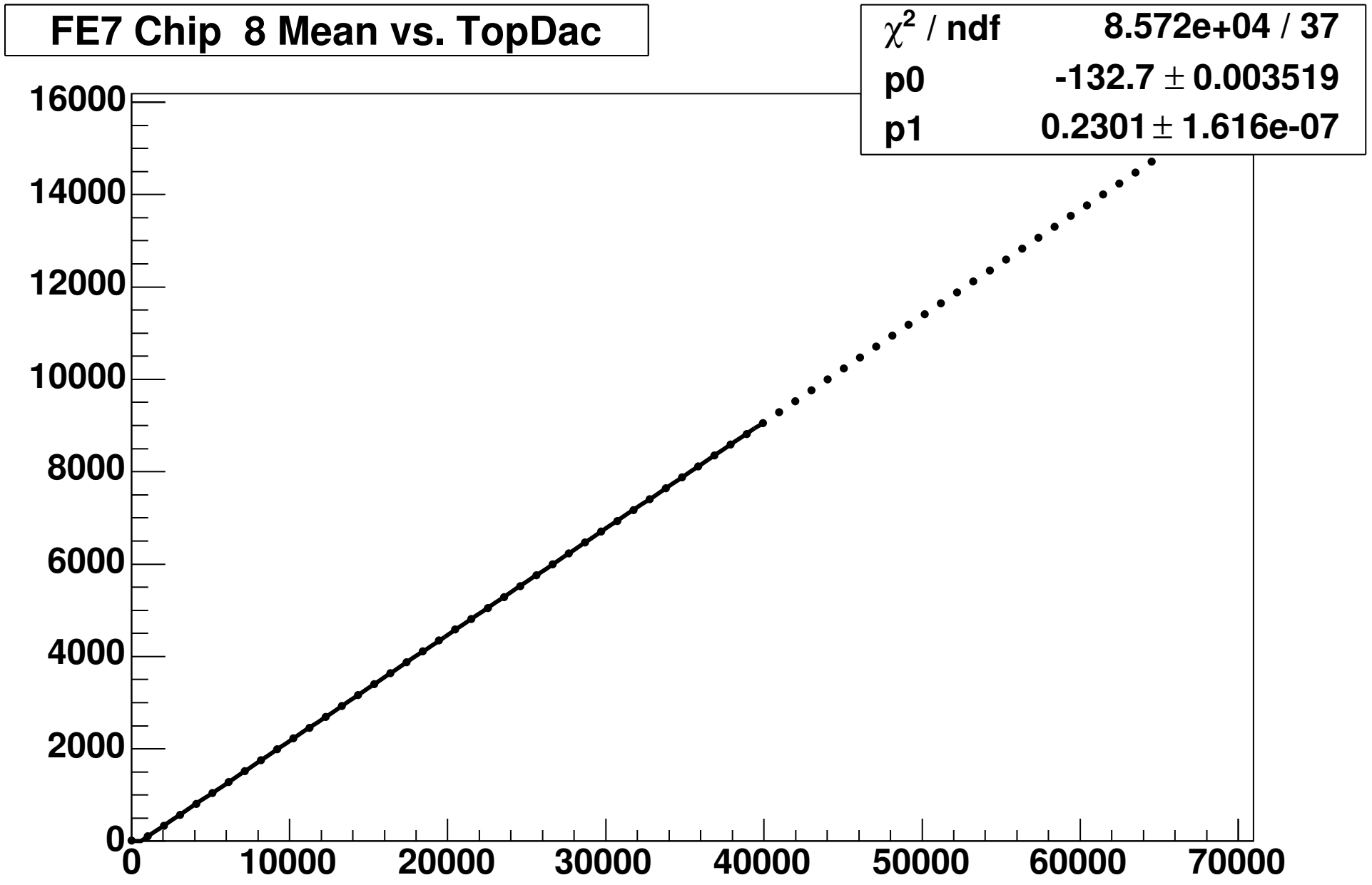

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 62.29 / 37
p0 0.8728 ± 0.001061
p1 4.758e-14 ± 6.453e-07
0.91
0.9
0.89
0.88
0.87
0.86
0.85
0.84
0
10000
20000
30000
40000
50000
60000
70000

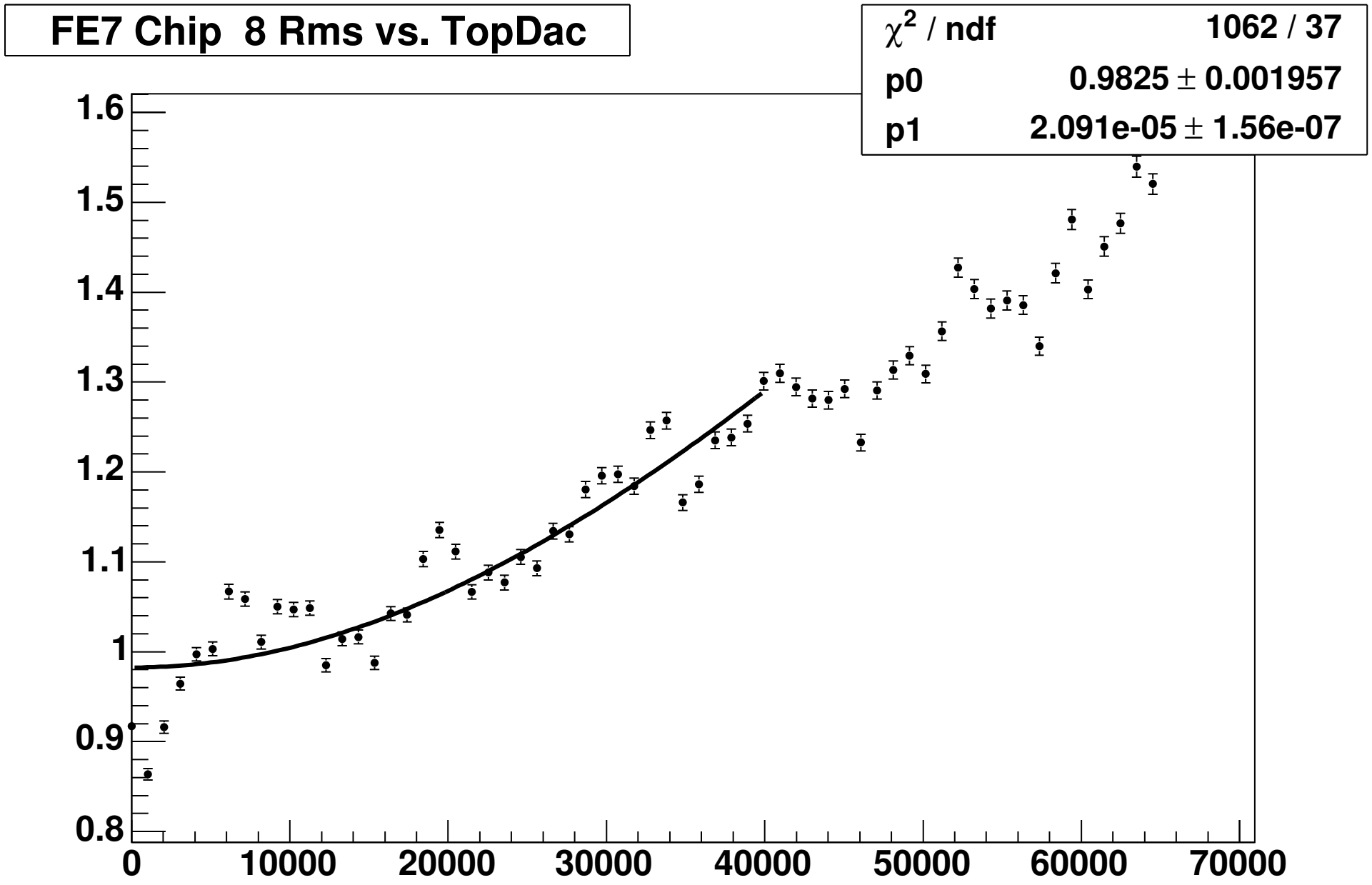

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 6.662e+05 / 37
p0 -124.9 ± 0.003556
p1 0.2302 ± 1.608e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

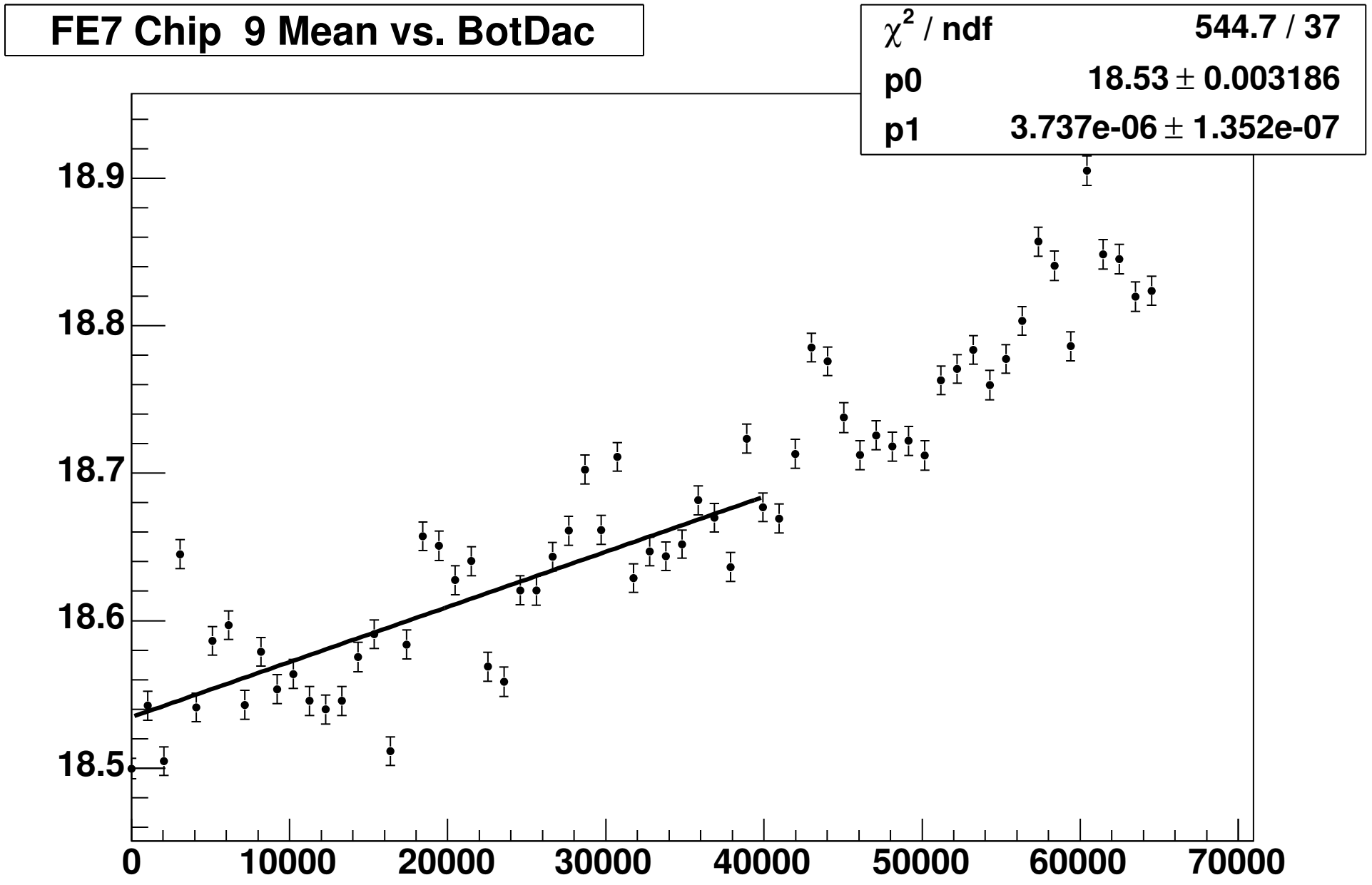

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1781 / 37
p0 1.007 ± 0.00197
p1 1.879e-05 ± 1.712e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
30000
40000
50000
60000
70000

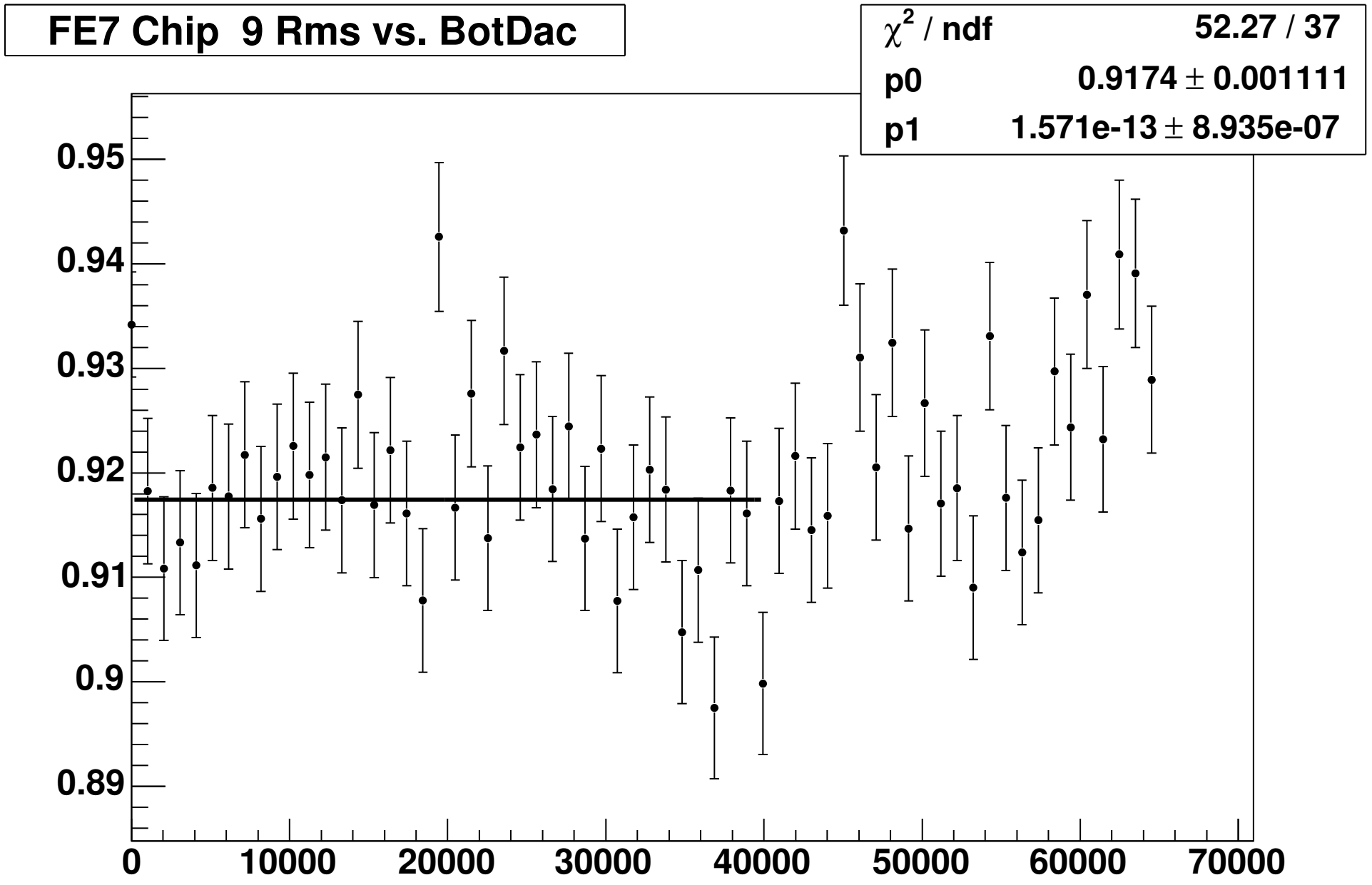

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 609.7 / 37
p0 14.03 ± 0.003197
p1 3.703e-06 ± 1.356e-07
14.4
14.3
14.2
14.1
14
0
10000
20000
30000
40000
50000
60000
70000

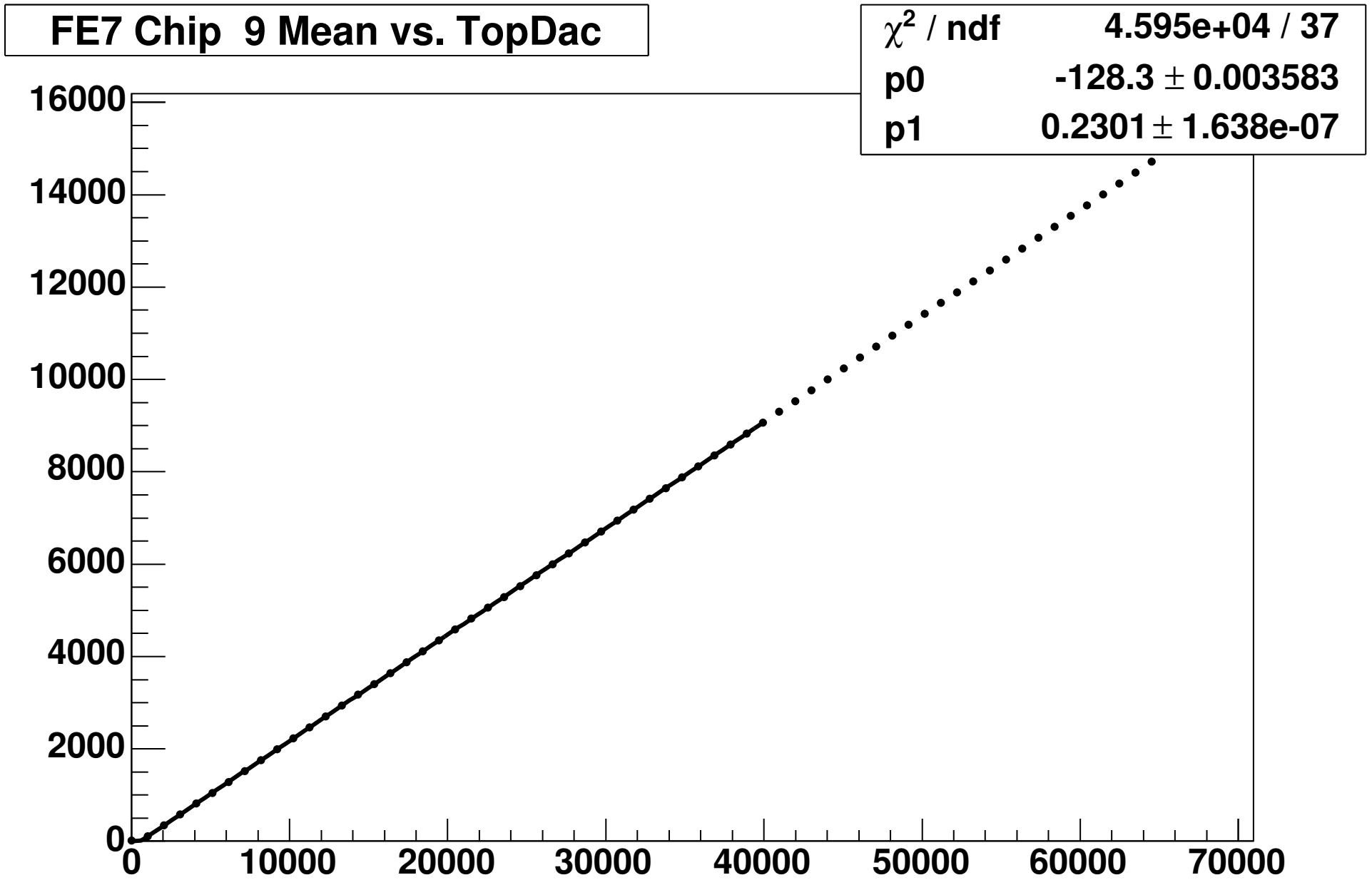

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 34.37 / 37
p0 0.9178 ± 0.001111
p1 -1.139e-14 ± 8.291e-07
0.94
0.93
0.92
0.91
0.9
0.89
0
10000
20000
30000
40000
50000
60000
70000

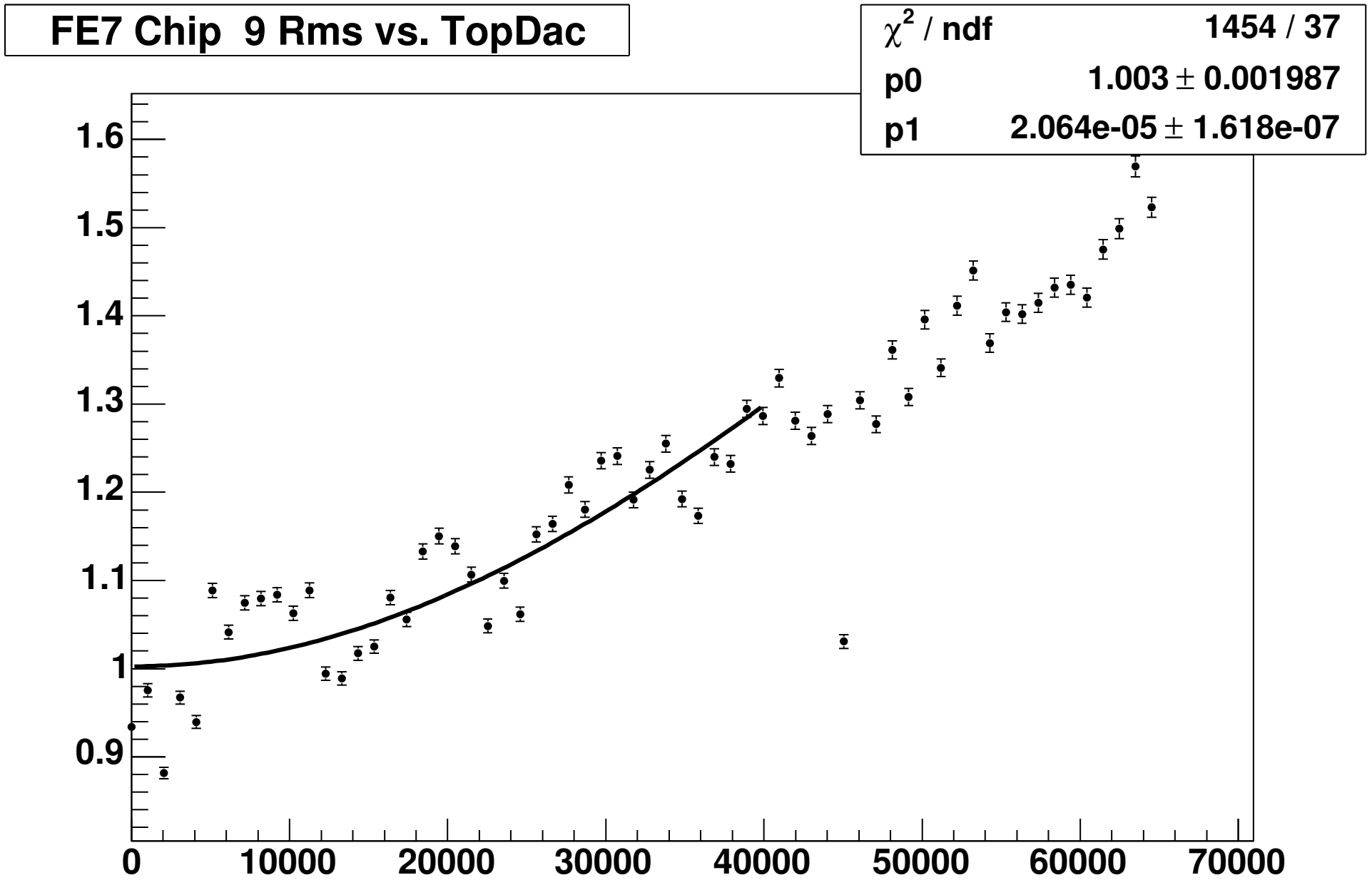

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 8.572e+04 / 37
p0 -132.7 ± 0.003519
p1 0.2301 ± 1.616e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

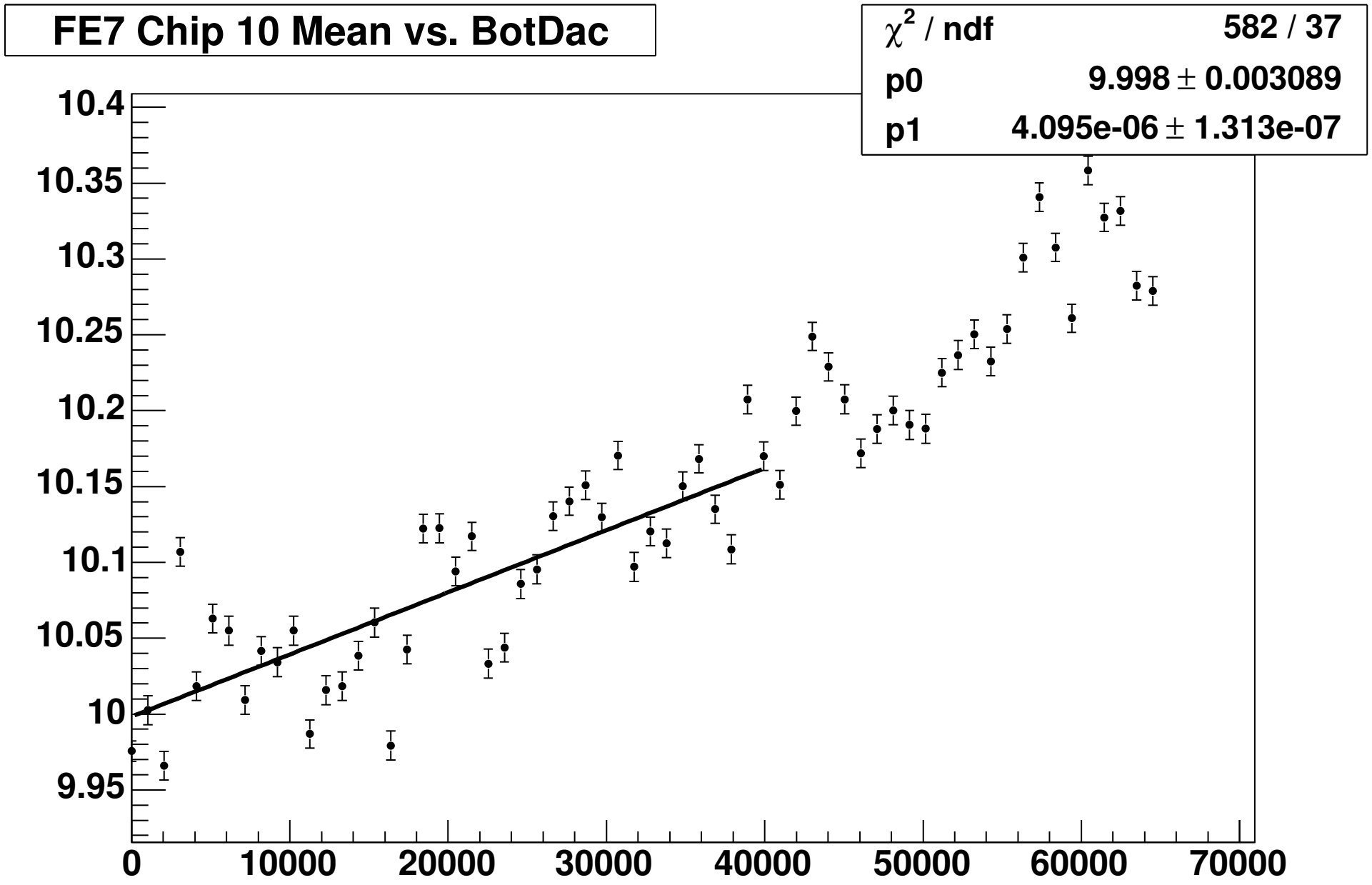

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 1062 / 37
p0 0.9825 ± 0.001957
p1 2.091e-05 ± 1.56e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0
10000
20000
30000
40000
50000
60000
70000

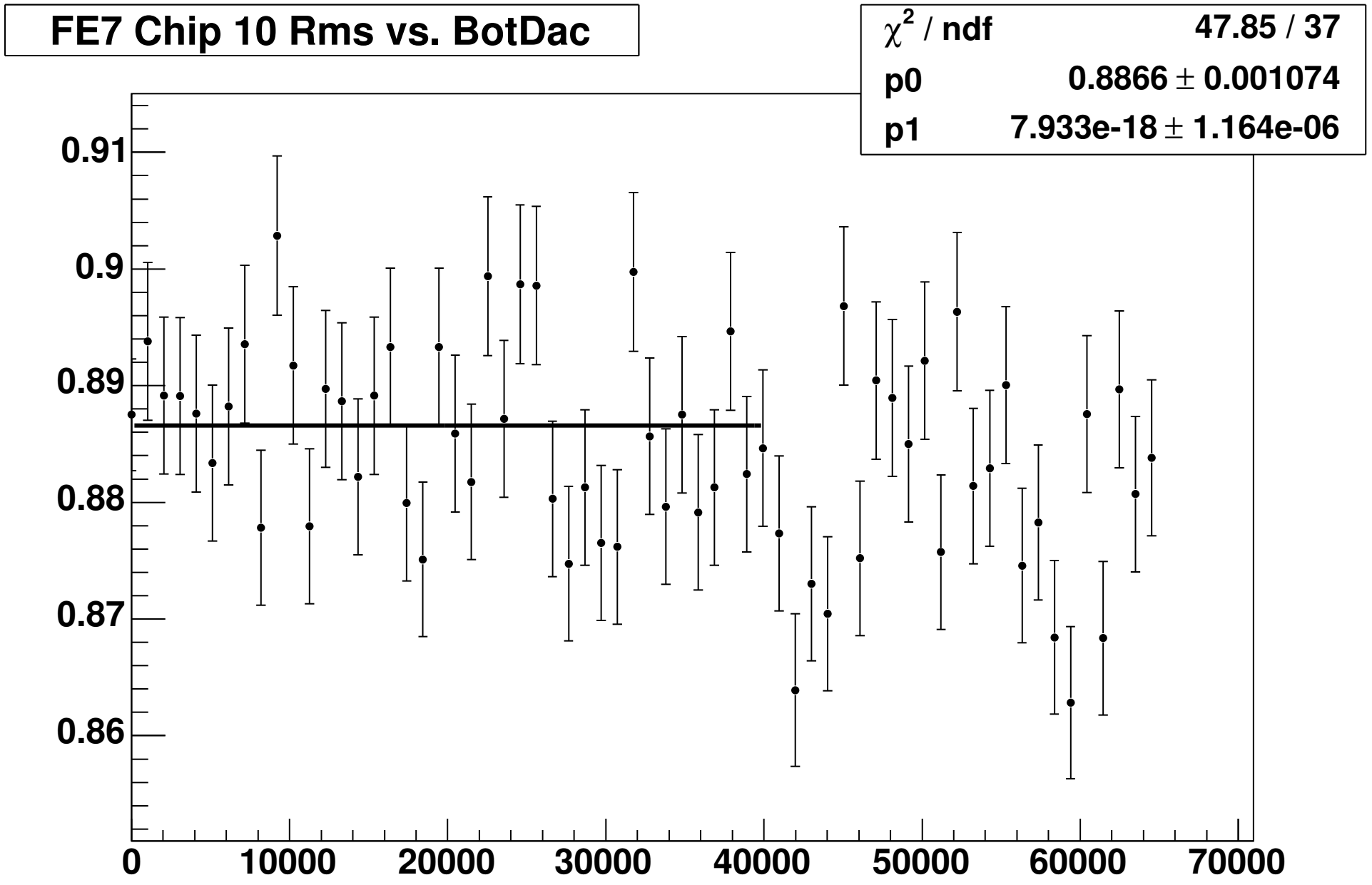

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 544.7 / 37
p0 18.53 ± 0.003186
p1 3.737e-06 ± 1.352e-07
18.9
18.8
18.7
18.6
18.5
0
10000
20000
30000
40000
50000
60000
70000

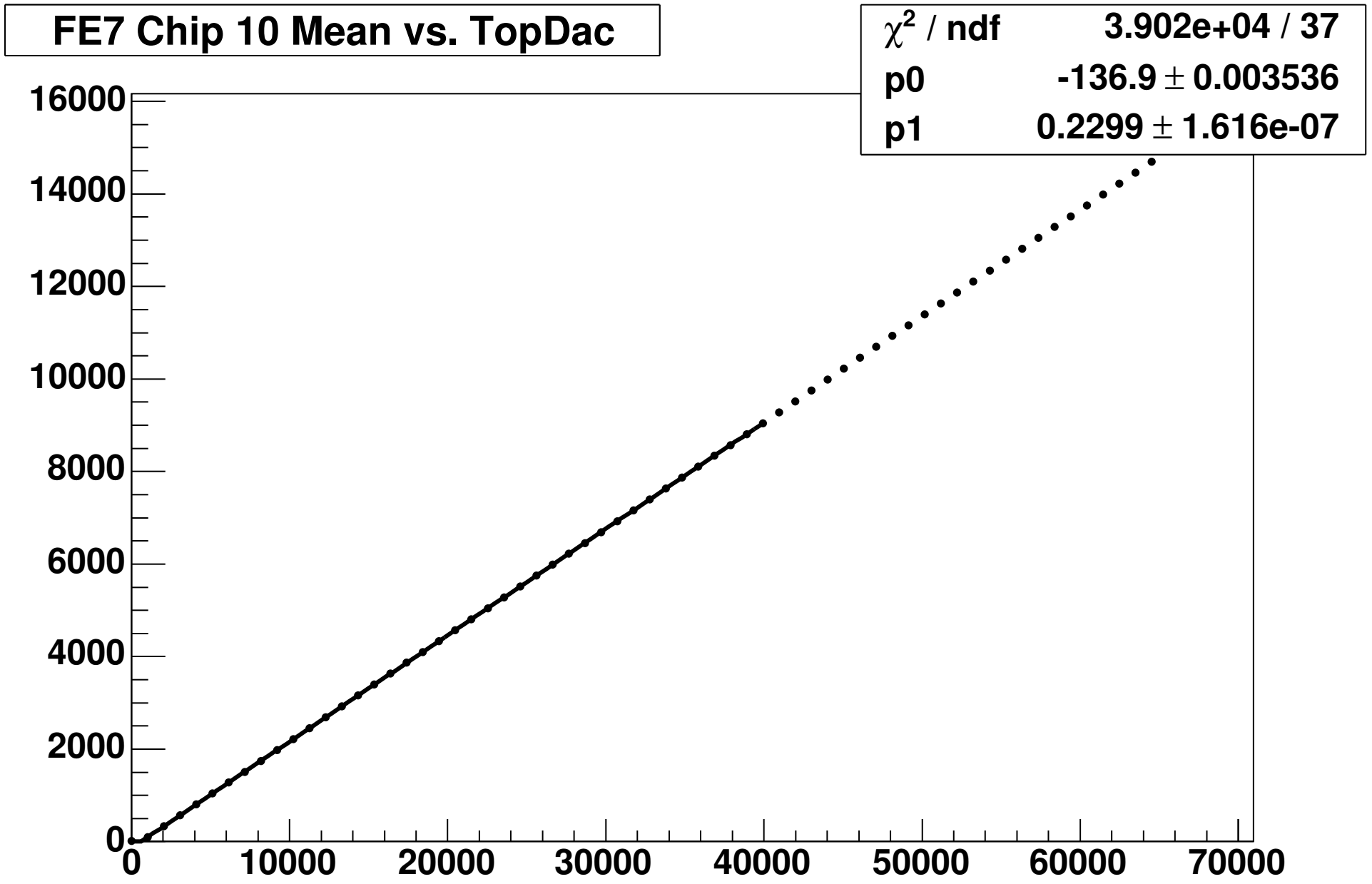

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 52.27 / 37
p0 0.9174 ± 0.001111
p1 1.571e-13 ± 8.935e-07
0.95
0.94
0.93
0.92
0.91
0.9
0.89
0
10000
20000
30000
40000
50000
60000
70000

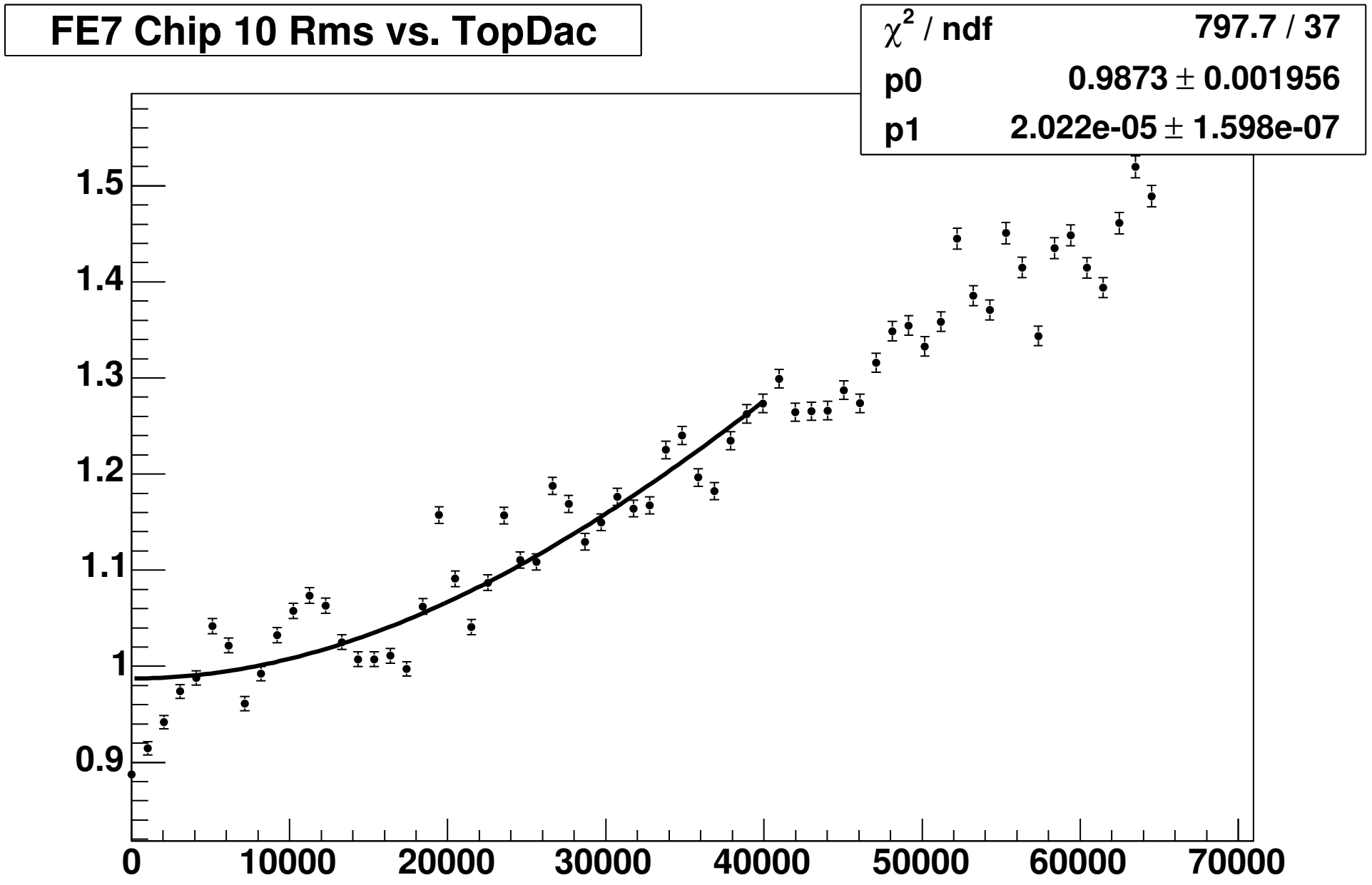

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 4.595e+04 / 37
p0 -128.3 ± 0.003583
p1 0.2301 ± 1.638e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

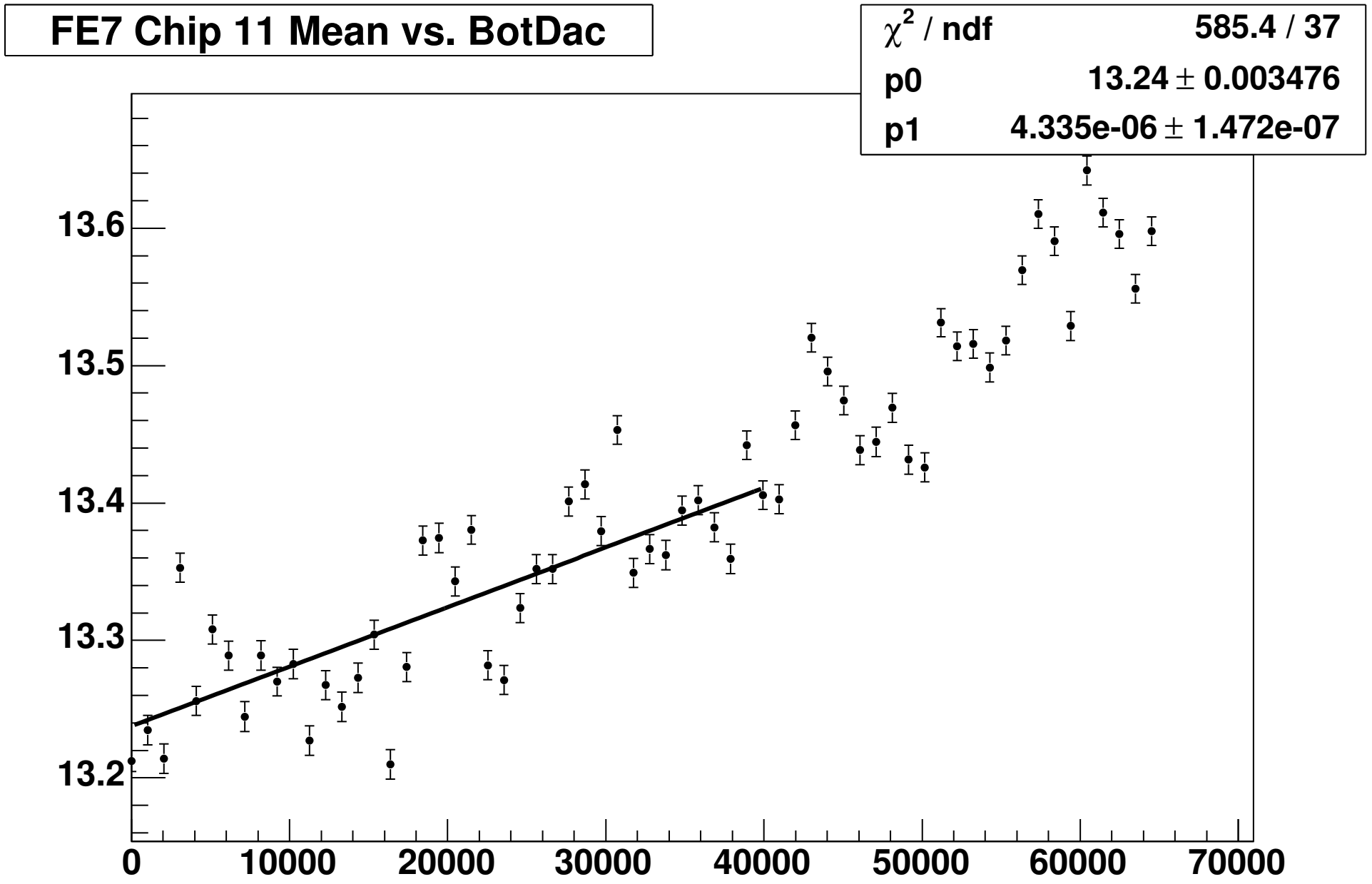

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1454 / 37
p0 1.003 ± 0.001987
p1 2.064e-05 ± 1.618e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

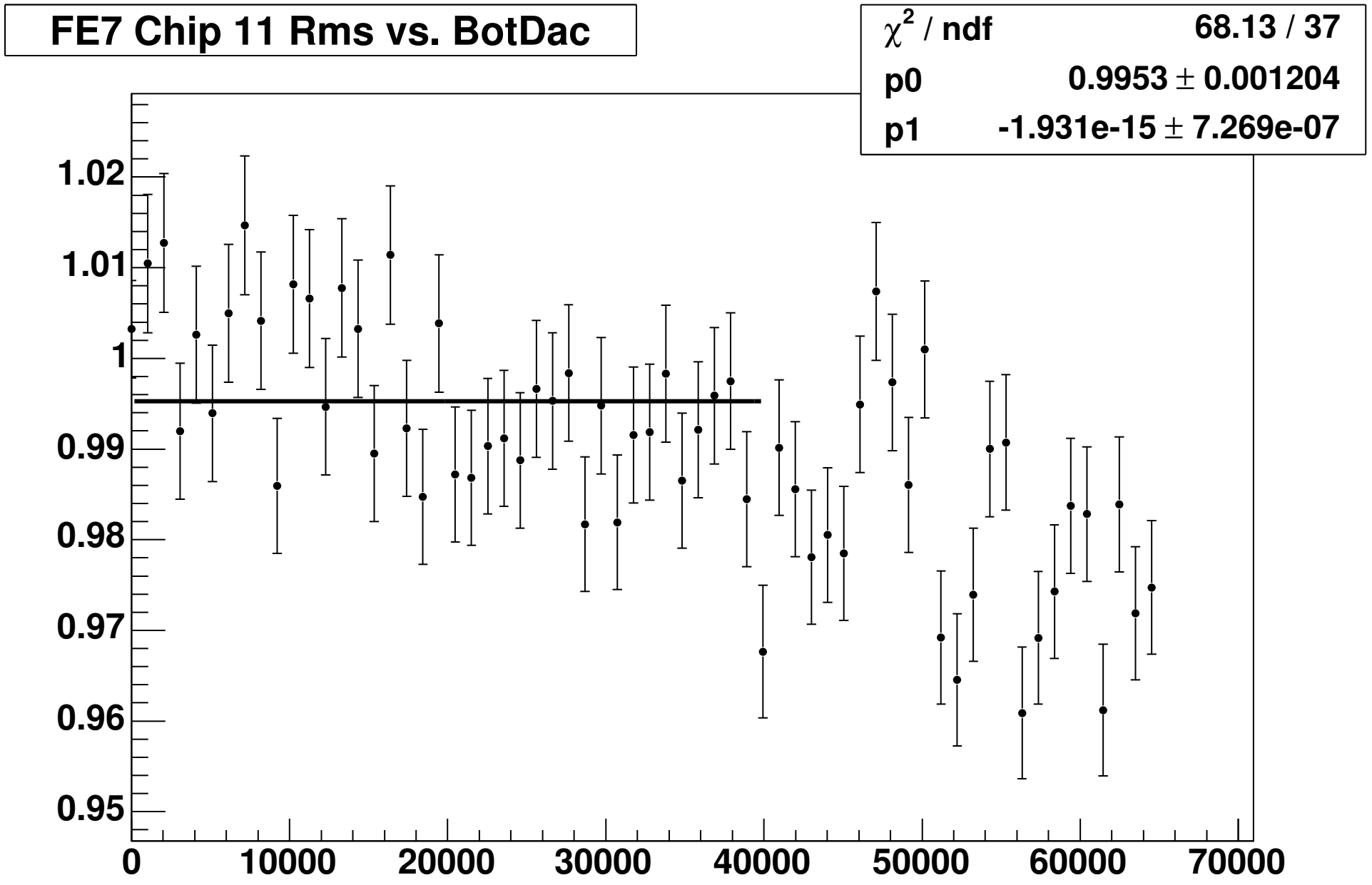

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 582 / 37
p0 9.998 ± 0.003089
p1 4.095e-06 ± 1.313e-07
10.4
10.35
10.3
10.25
10.2
10.15
10.1
10.05
10
9.95
0
10000
20000
30000
40000
50000
60000
70000

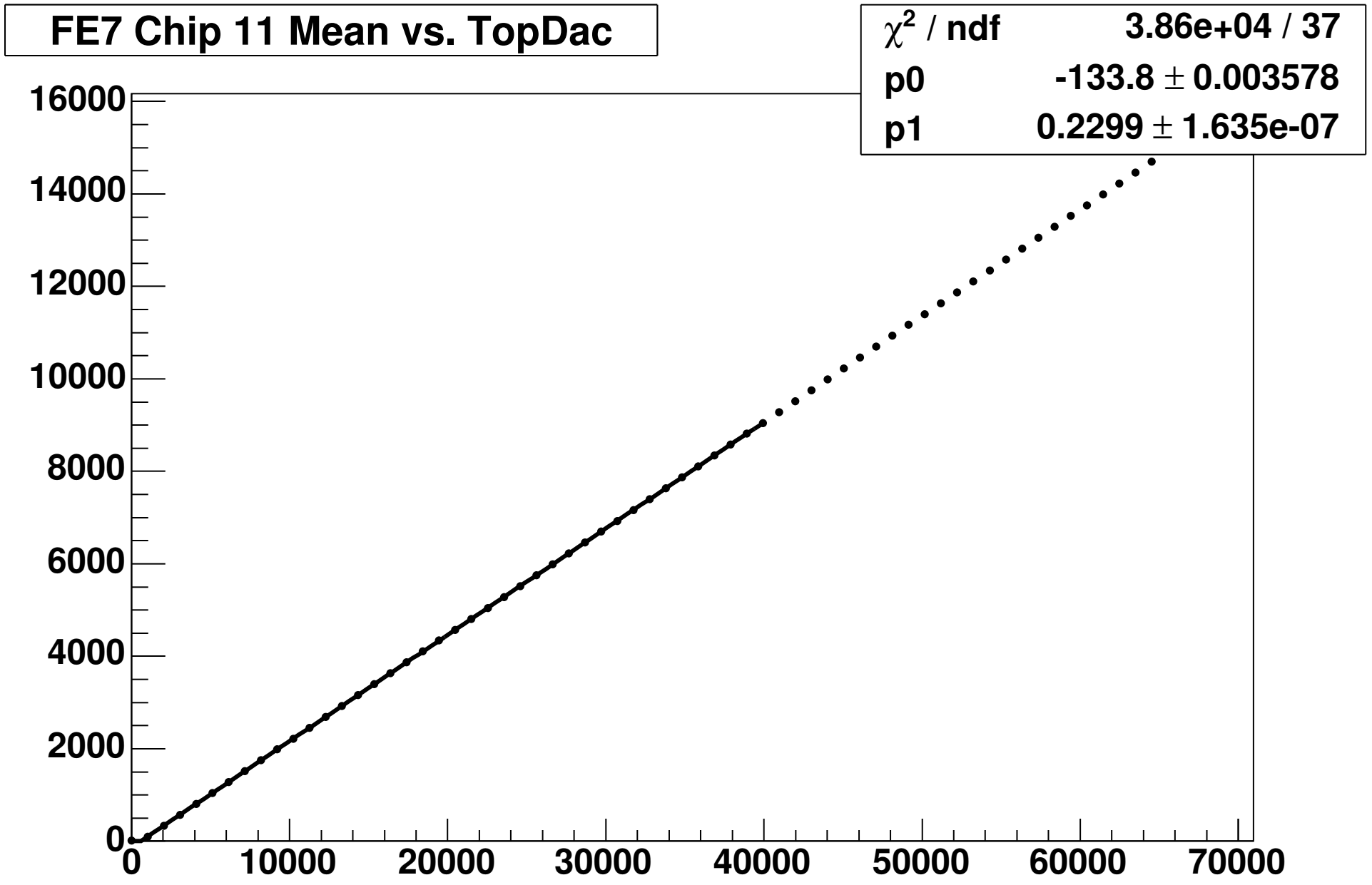

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 47.85 / 37
p0 0.8866 ± 0.001074
p1 7.933e-18 ± 1.164e-06
0.91
0.9
0.89
0.88
0.87
0.86
0
10000
20000
30000
40000
50000
60000
70000

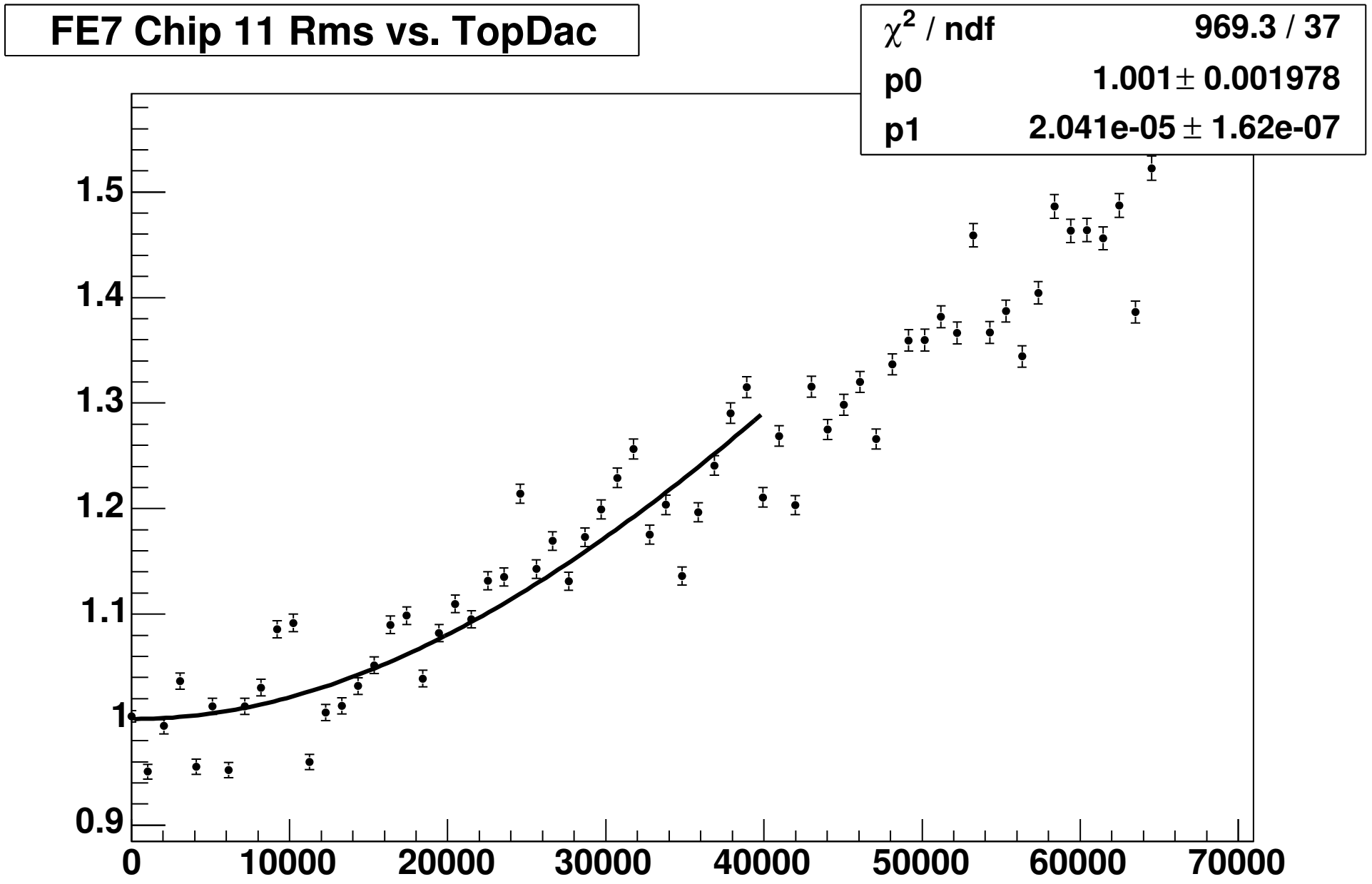

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 3.902e+04 / 37
p0 -136.9 ± 0.003536
p1 0.2299 ± 1.616e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

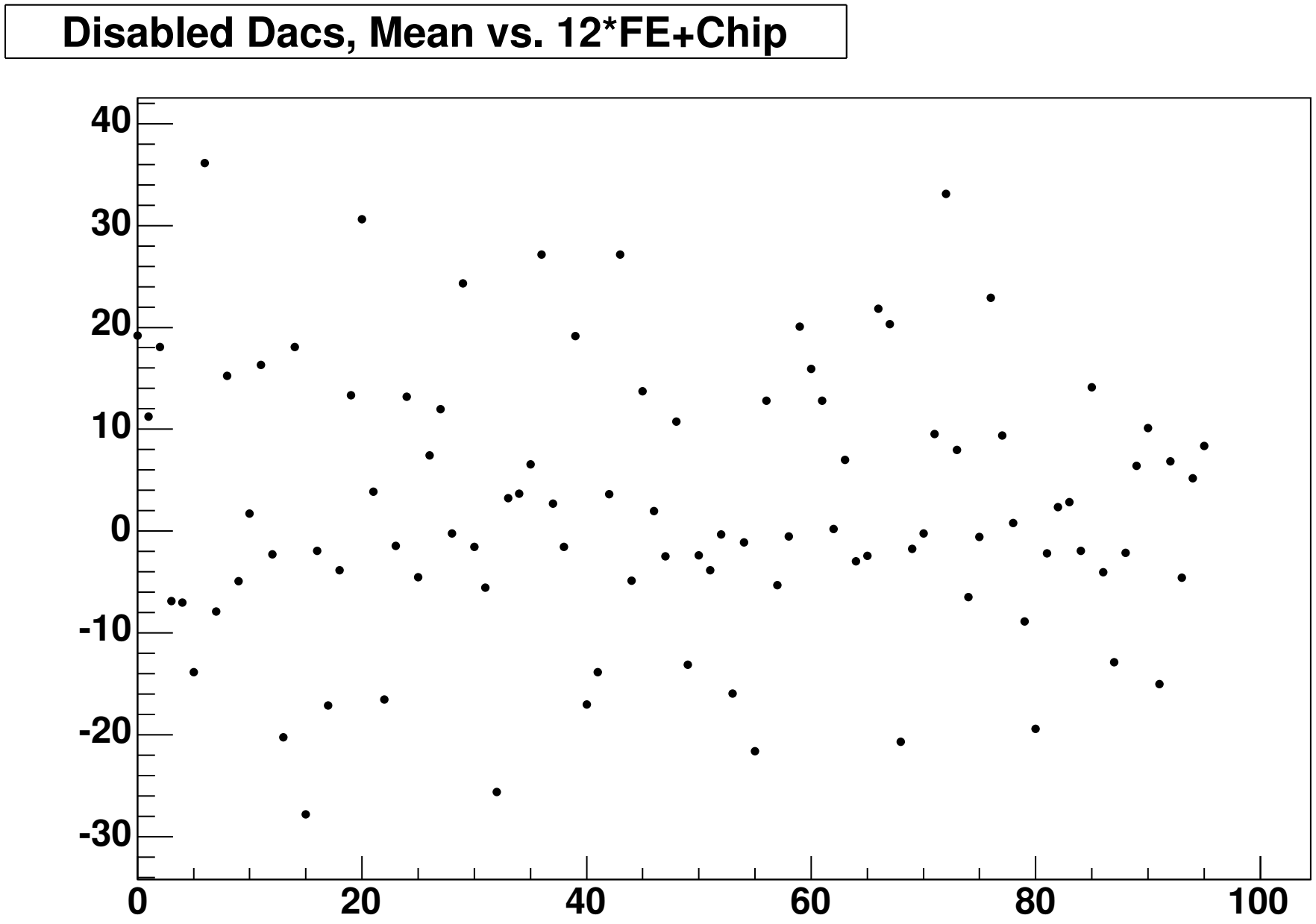

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 797.7 / 37
p0 0.9873 ± 0.001956
p1 2.022e-05 ± 1.598e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

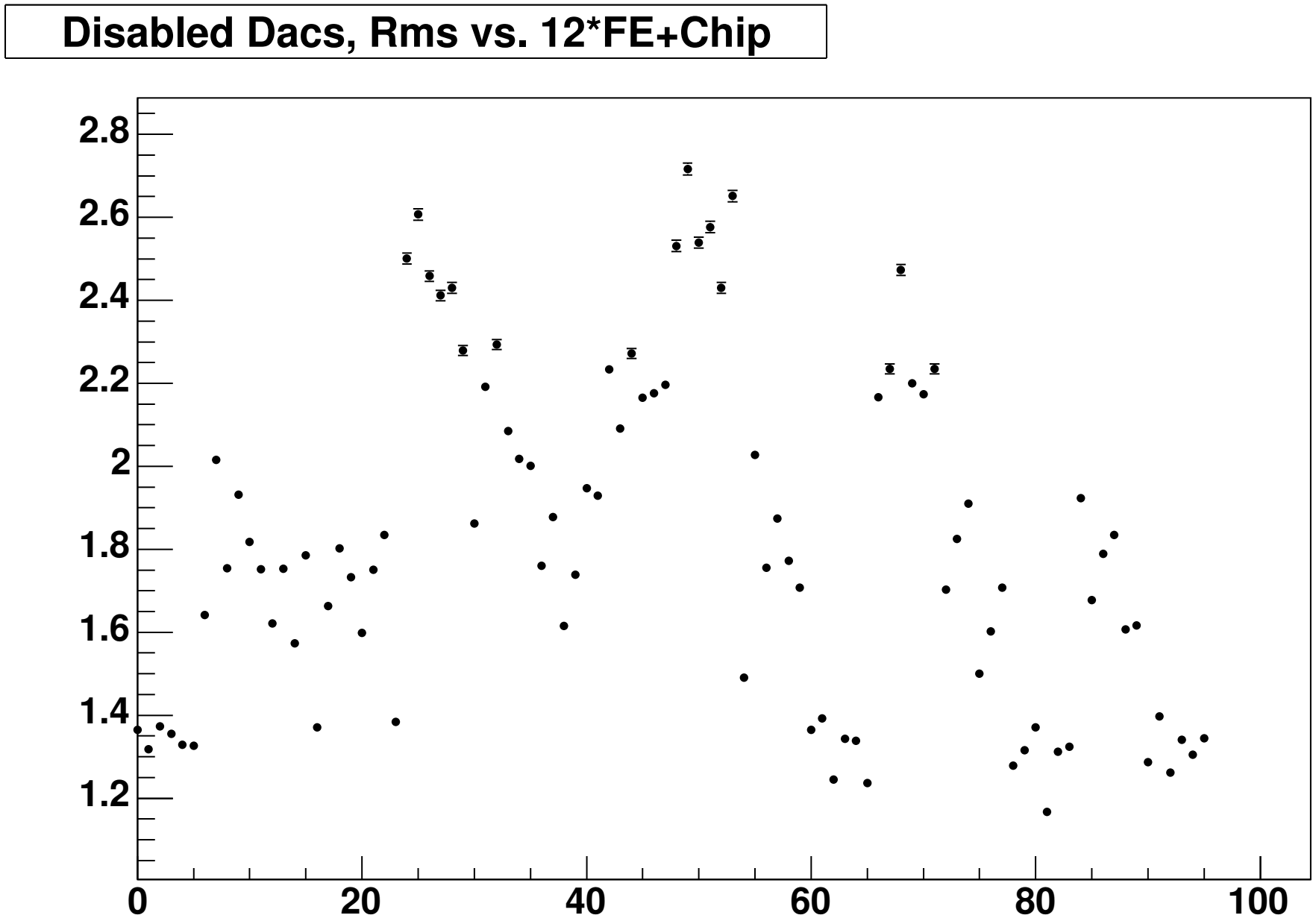

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 585.4 / 37
p0 13.24 ± 0.003476
p1 4.335e-06 ± 1.472e-07
13.6
13.5
13.4
13.3
13.2
0
10000
20000
30000
40000
50000
60000
70000

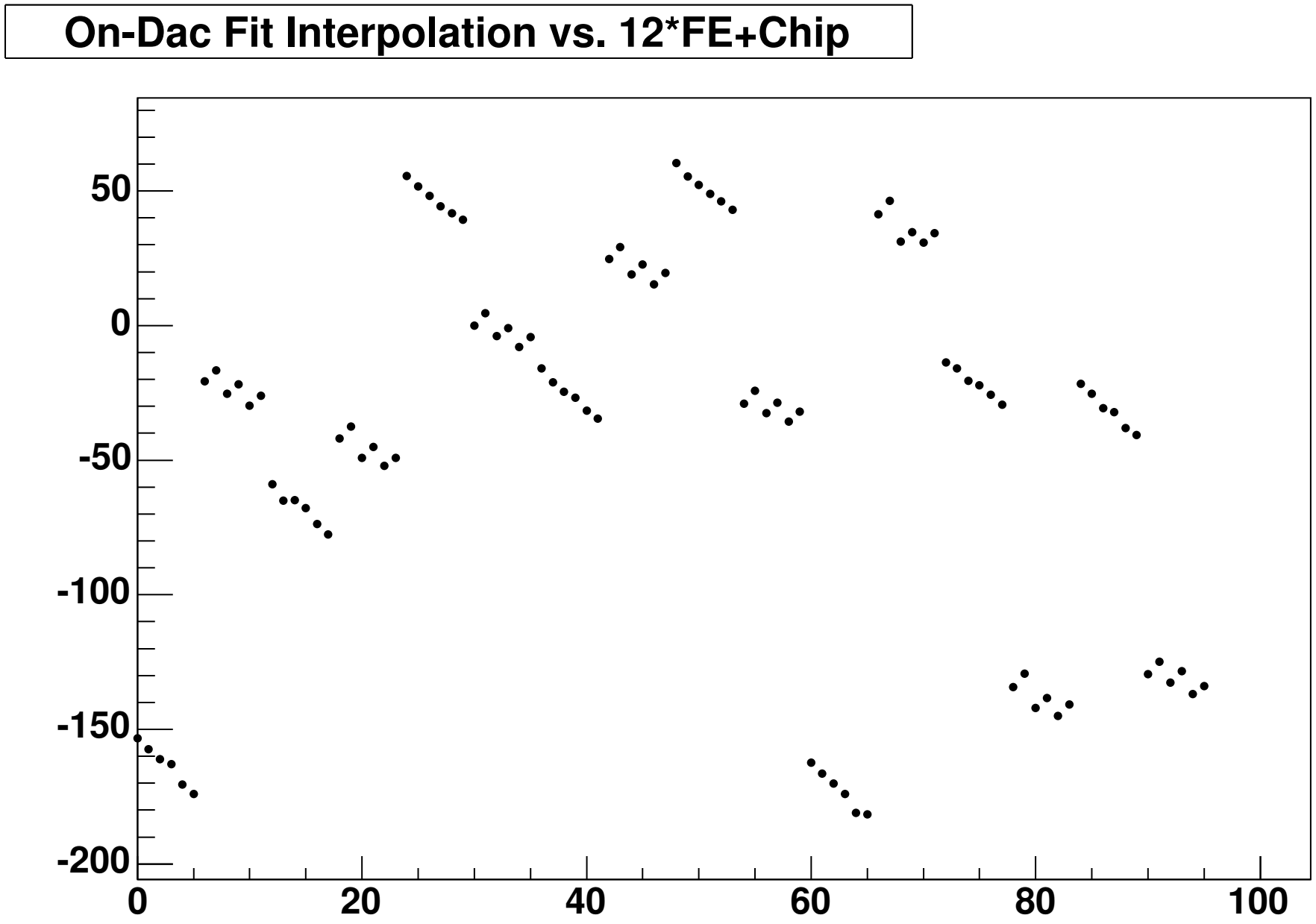

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 68.13 / 37
p0 0.9953 ± 0.001204
p1 -1.931e-15 ± 7.269e-07
1.02
1.01
1
0.99
0.98
0.97
0.96
0.95
0
10000
20000
30000
40000
50000
60000
70000

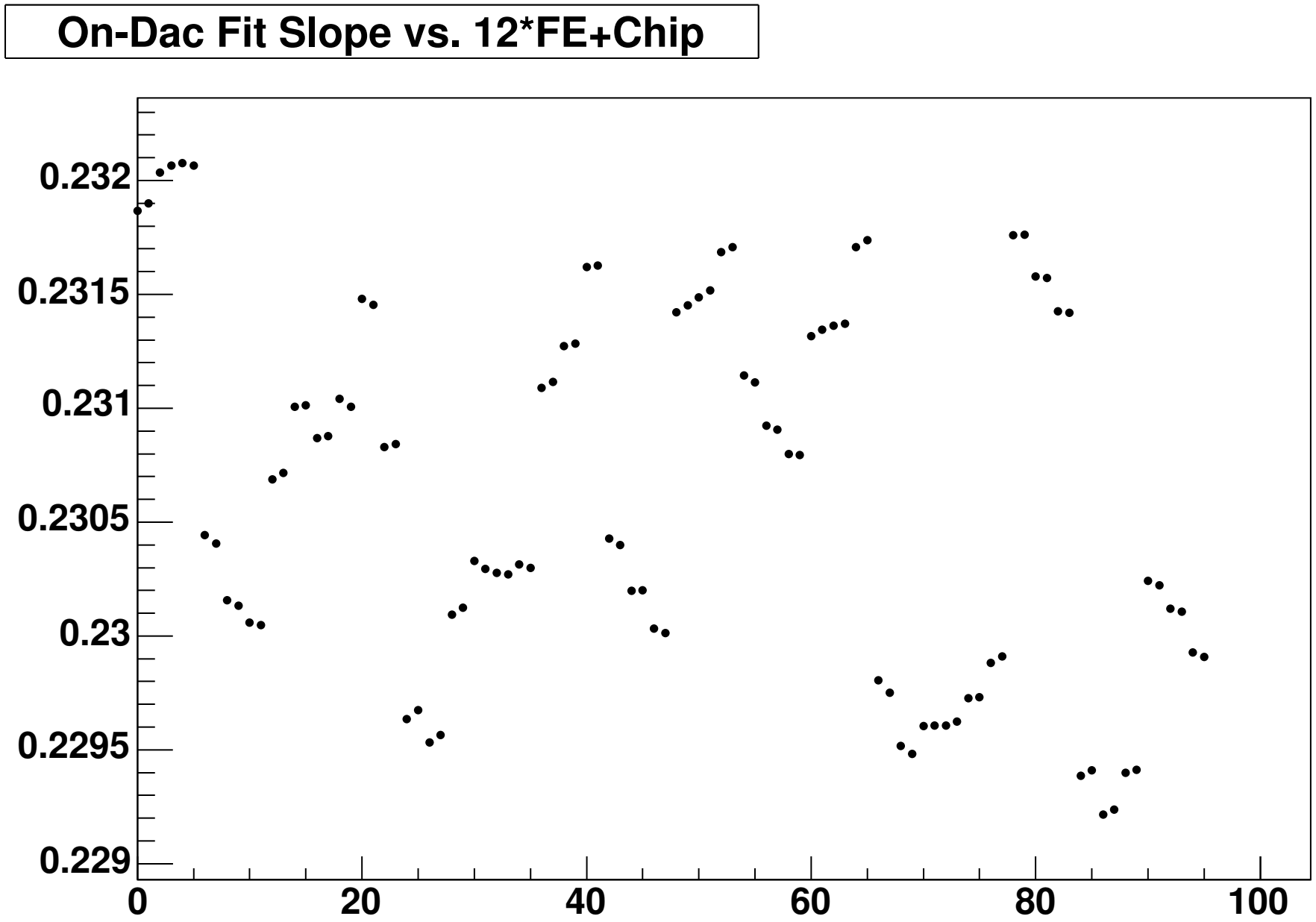

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 3.86e+04 / 37
p0 -133.8 ± 0.003578
p1 0.2299 ± 1.635e-07
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

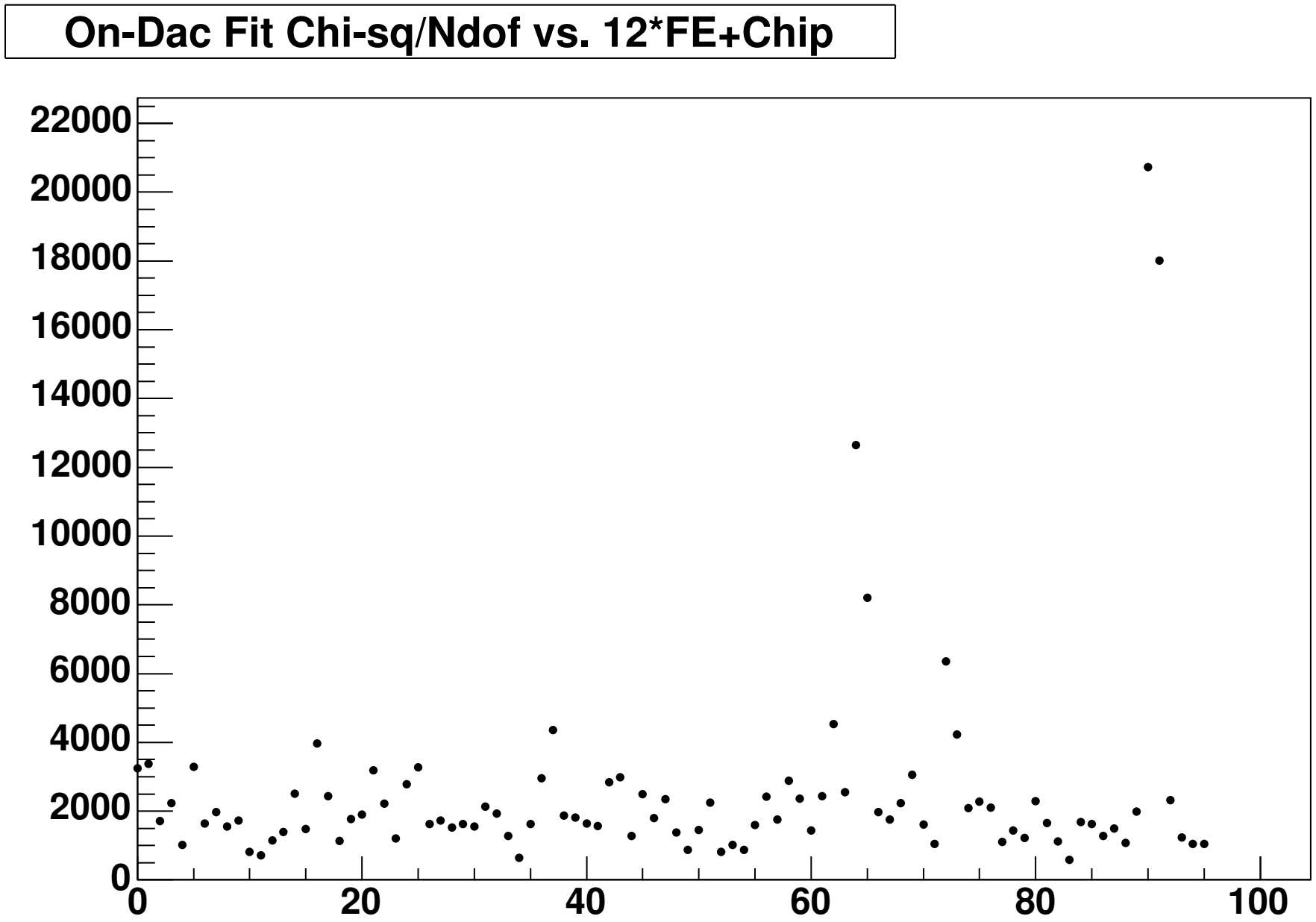

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 969.3 / 37
p0 1.001 ± 0.001978
p1 2.041e-05 ± 1.62e-07
1.5
1.4
1.3
1.2
1.1
1
0.9
0
10000
20000
30000
40000
50000
60000
70000

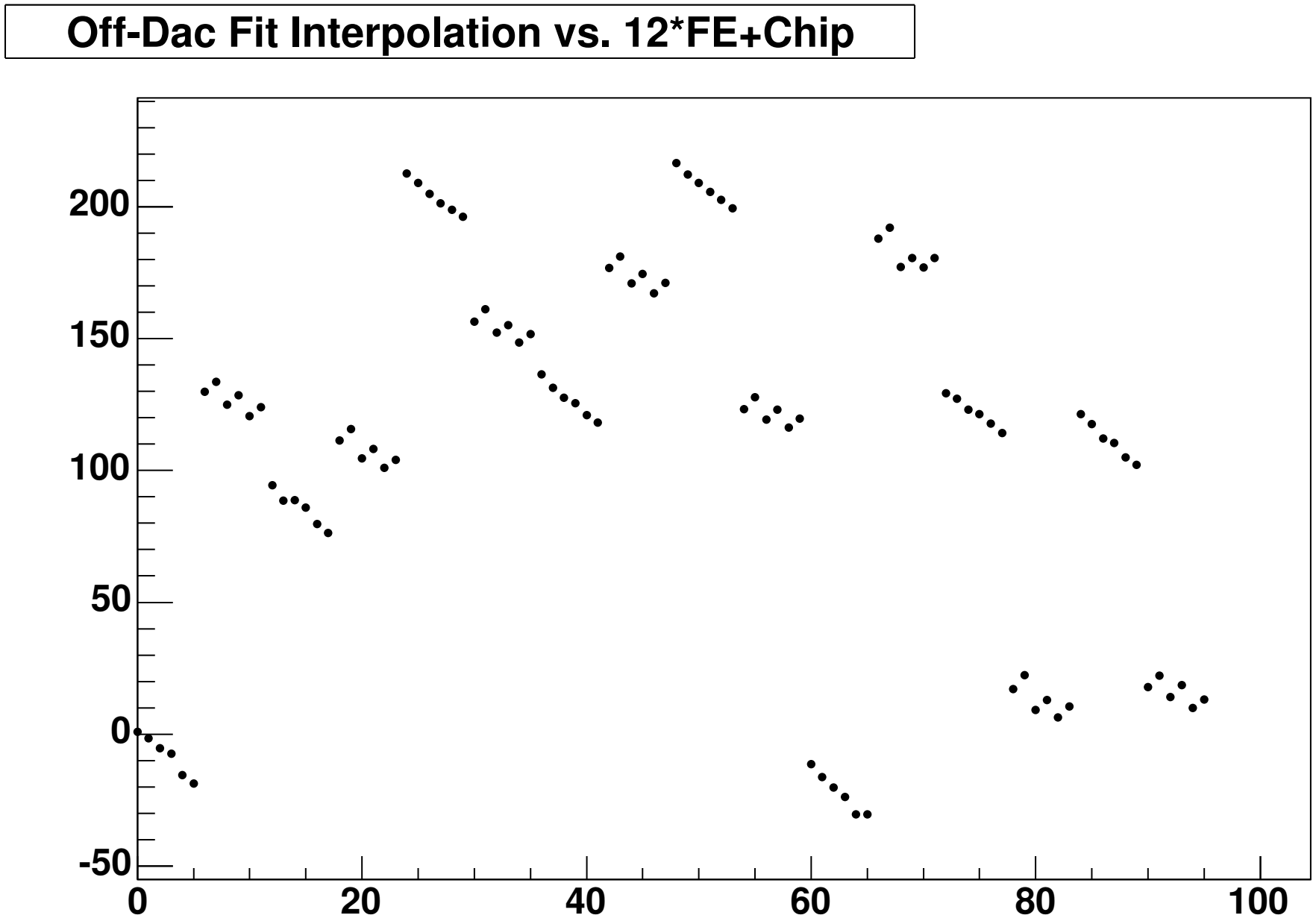

Disabled Dacs, Mean vs. 12*FE+Chip
40
30
20
10
0
-10
-20
-30
0
20
40
60
80
100

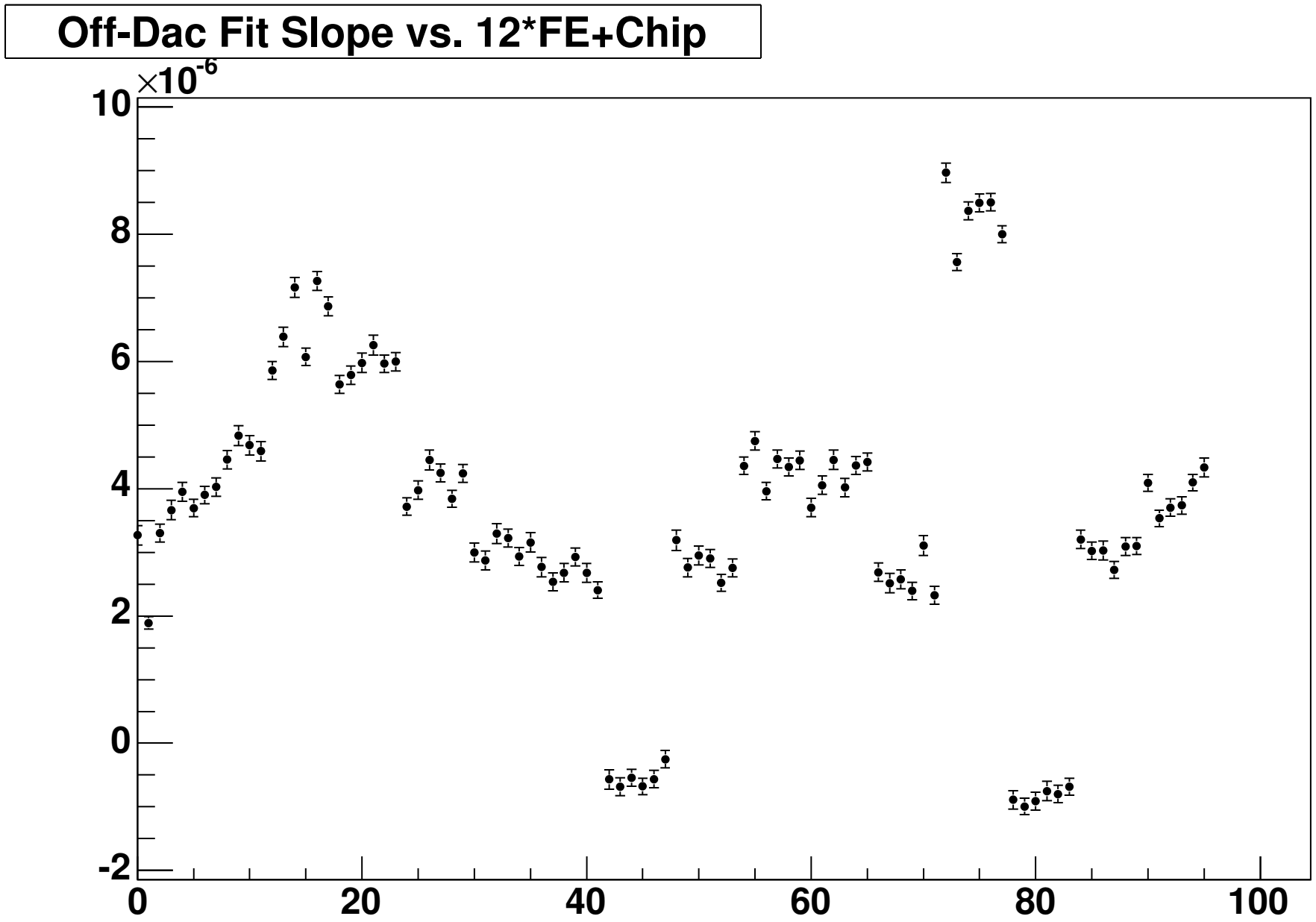

Disabled Dacs, Rms vs. 12*FE+Chip
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
0
20
40
60
80
100

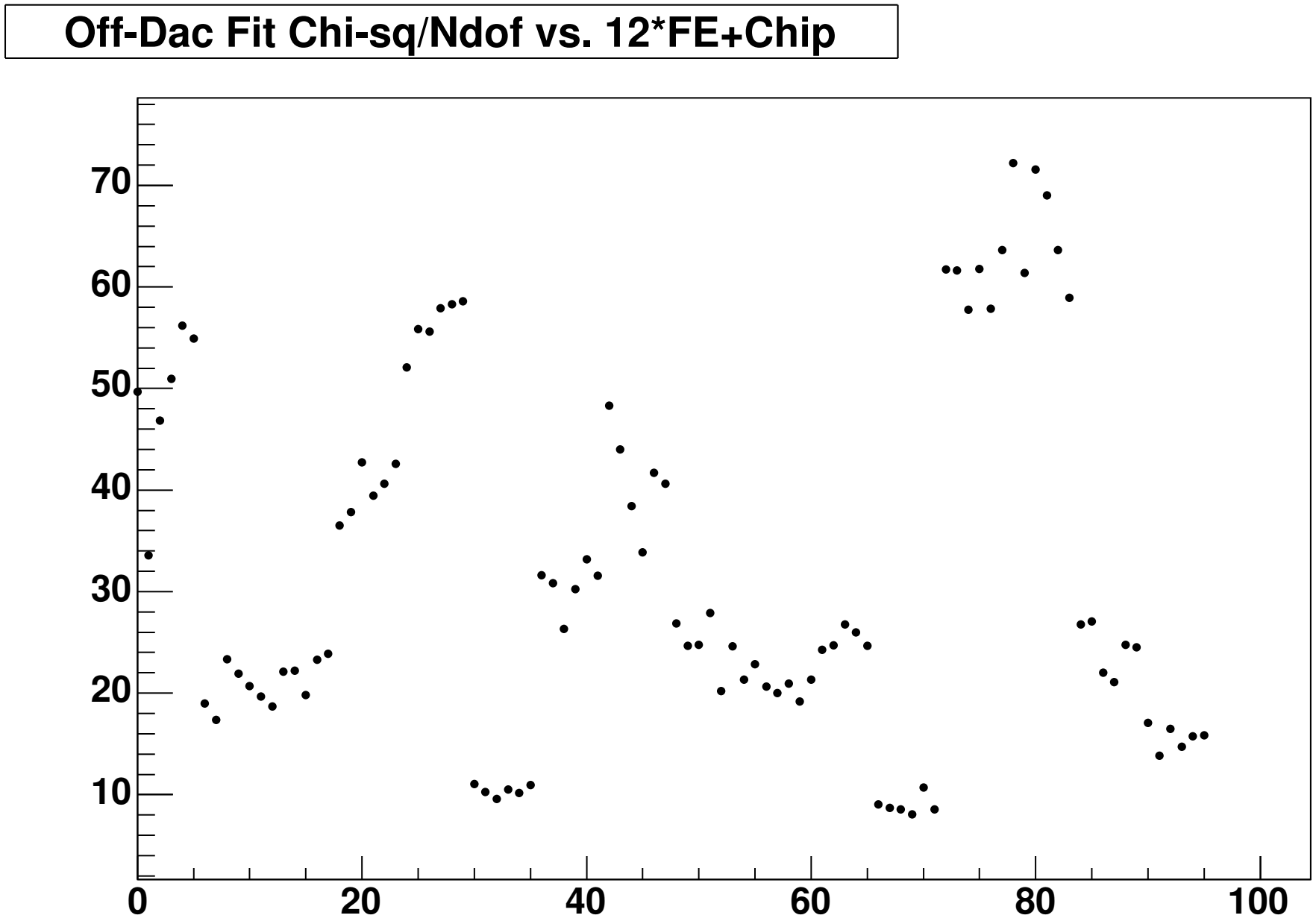

On-Dac Fit Interpolation vs. 12*FE+Chip
50
0
-50
-100
-150
-200
0
20
40
60
80
100

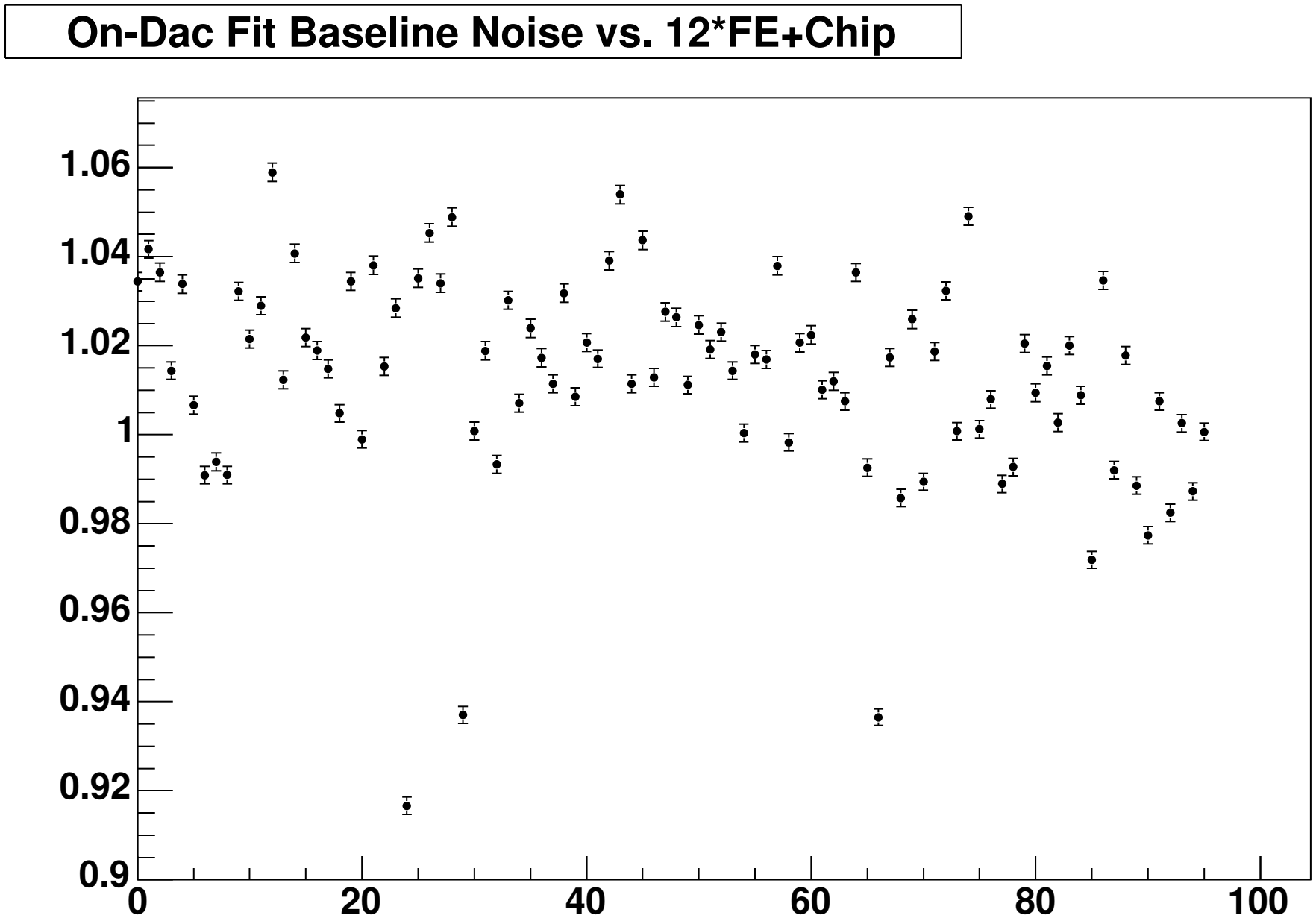

On-Dac Fit Slope vs. 12*FE+Chip
0.232
0.2315
0.231
0.2305
0.23
0.2295
0.229
0
20
40
60
80
100

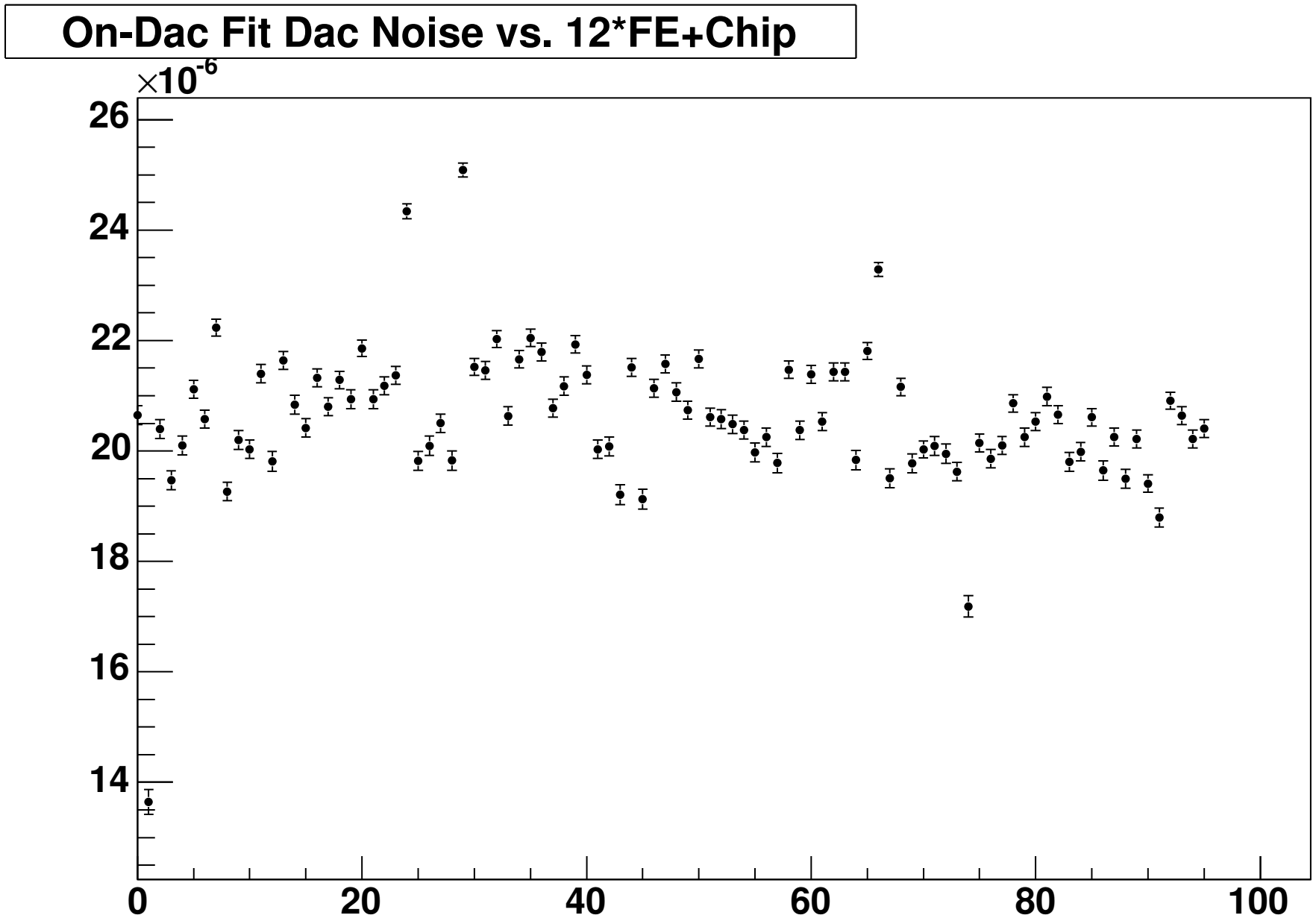

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100

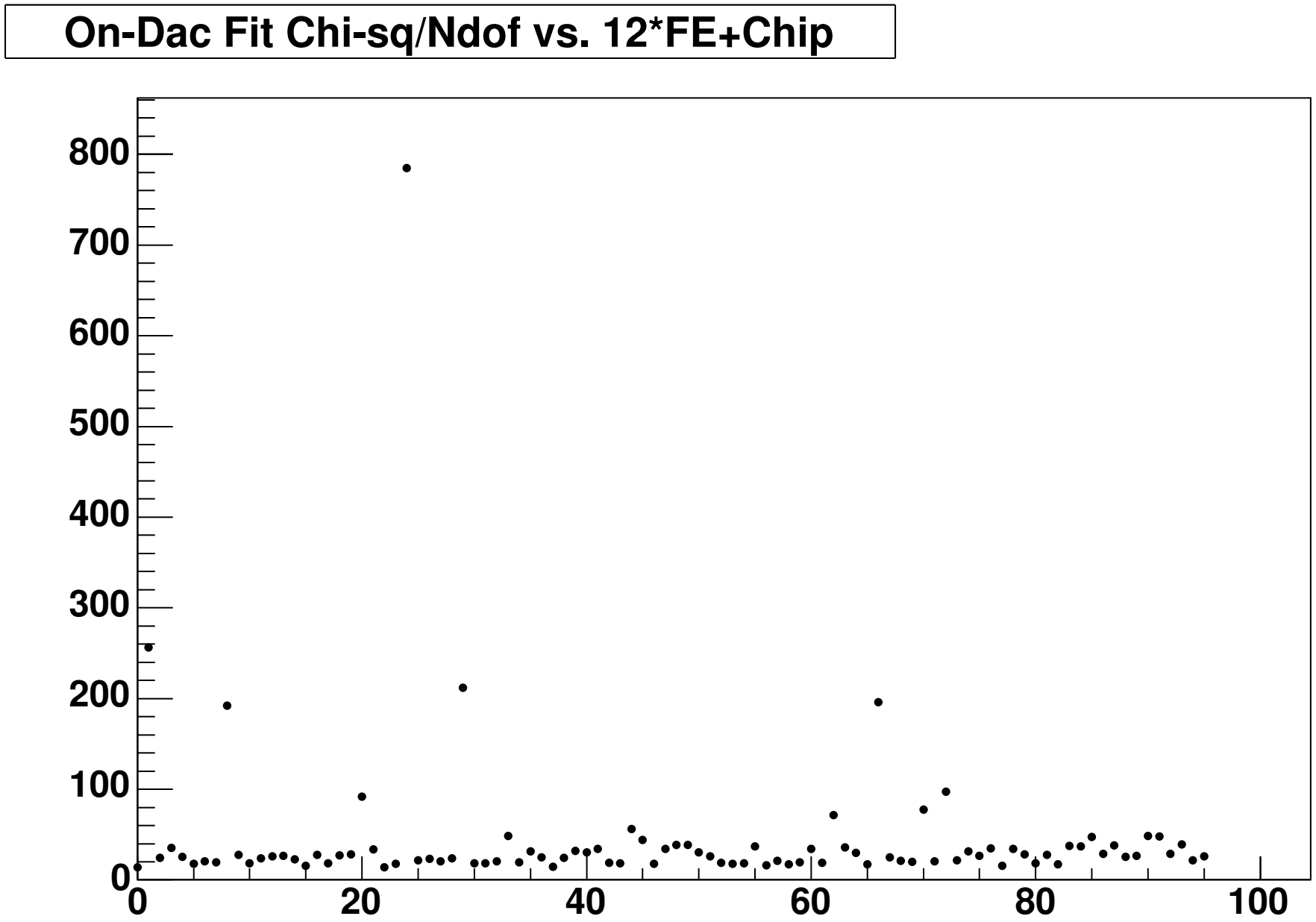

Off-Dac Fit Interpolation vs. 12*FE+Chip
200
150
100
50
0
-50
0
20
40
60
80
100

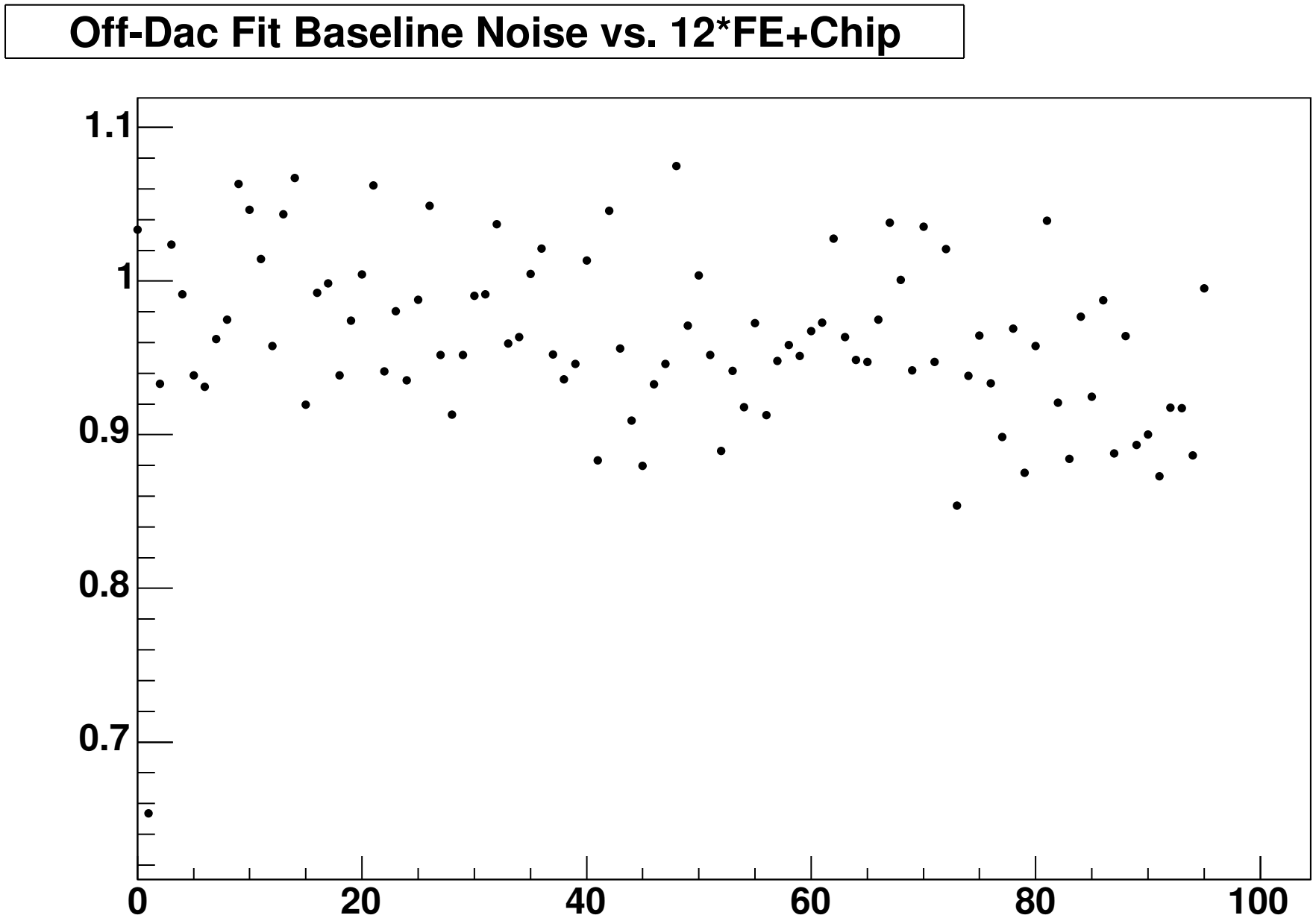

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
10
8
6
4
2
0
-2
0
20
40
60
80
100

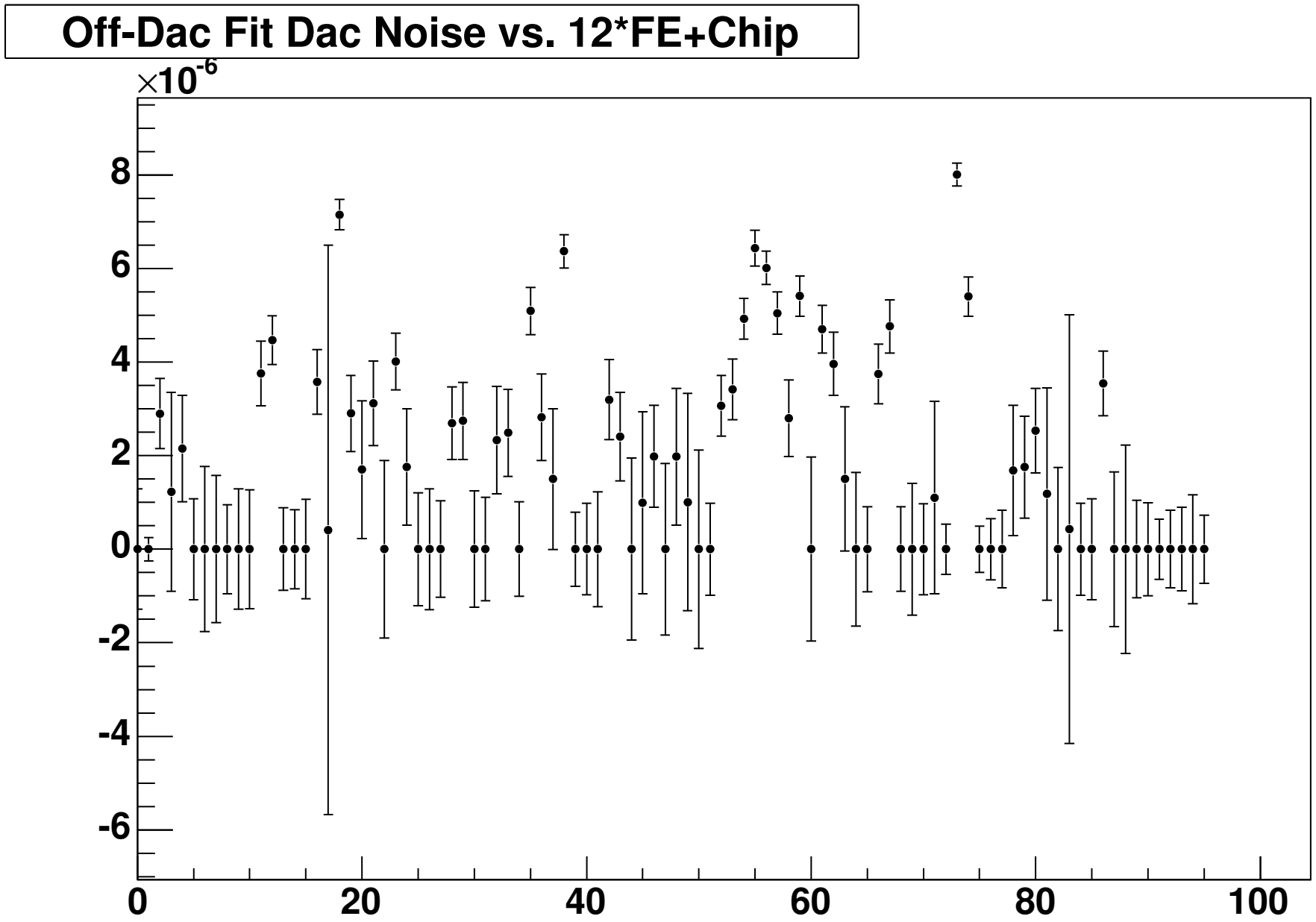

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
70
60
50
40
30
20
10
0
20
40
60
80
100

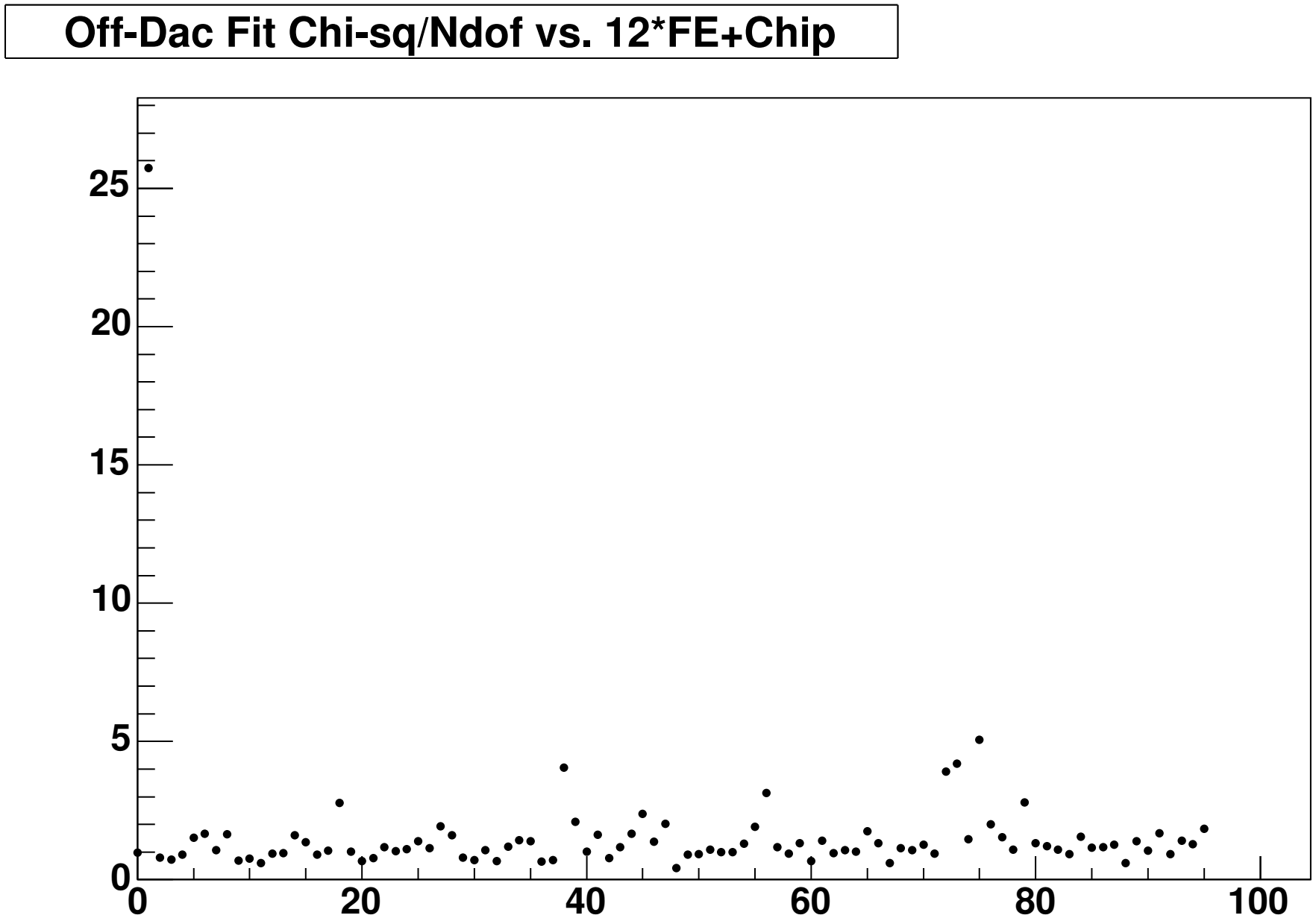

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.06
1.04
1.02
1
0.98
0.96
0.94
0.92
0.9
0
20
40
60
80
100

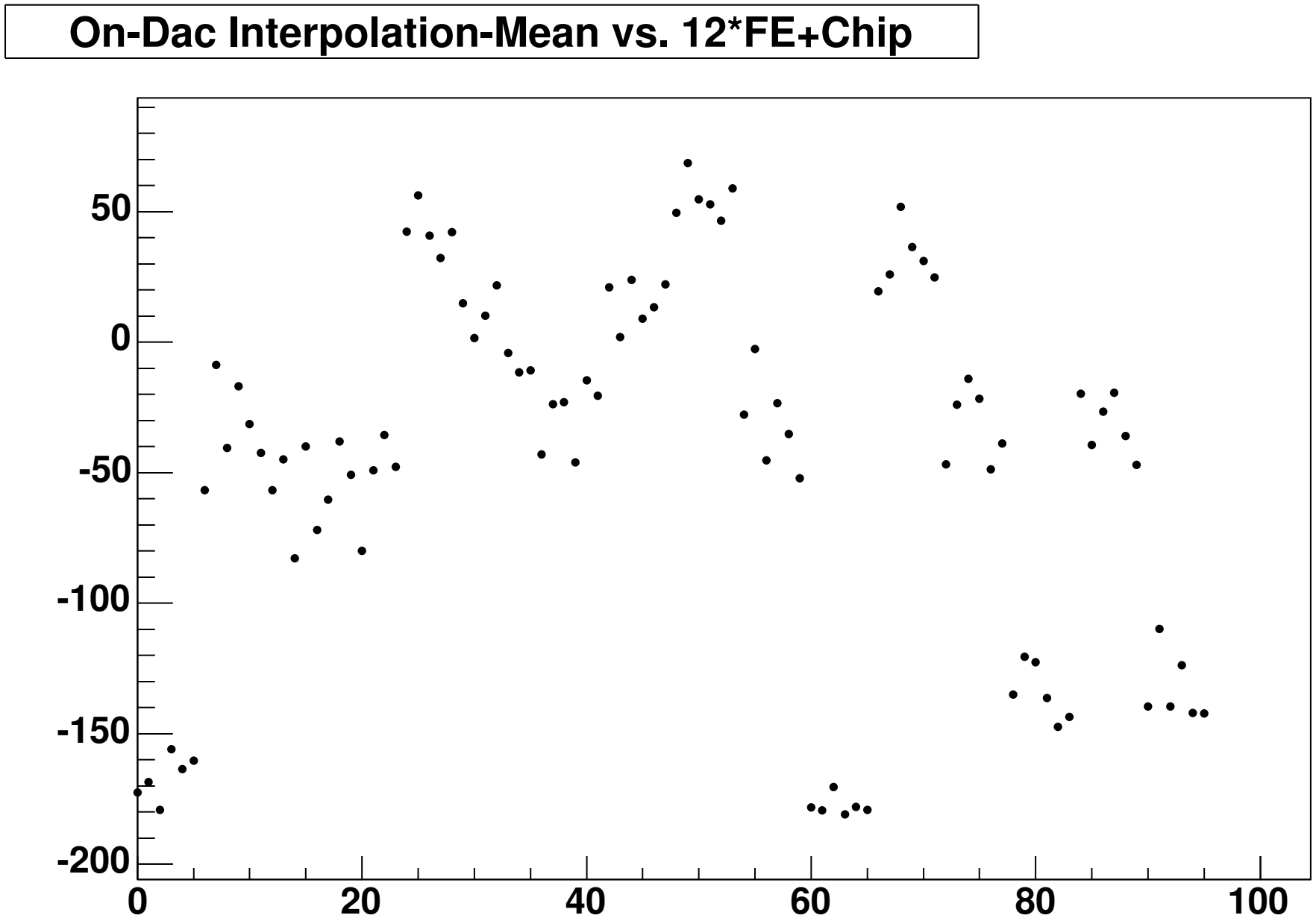

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10-6
26
24
22
20
18
16
14
0
20
40
60
80
100

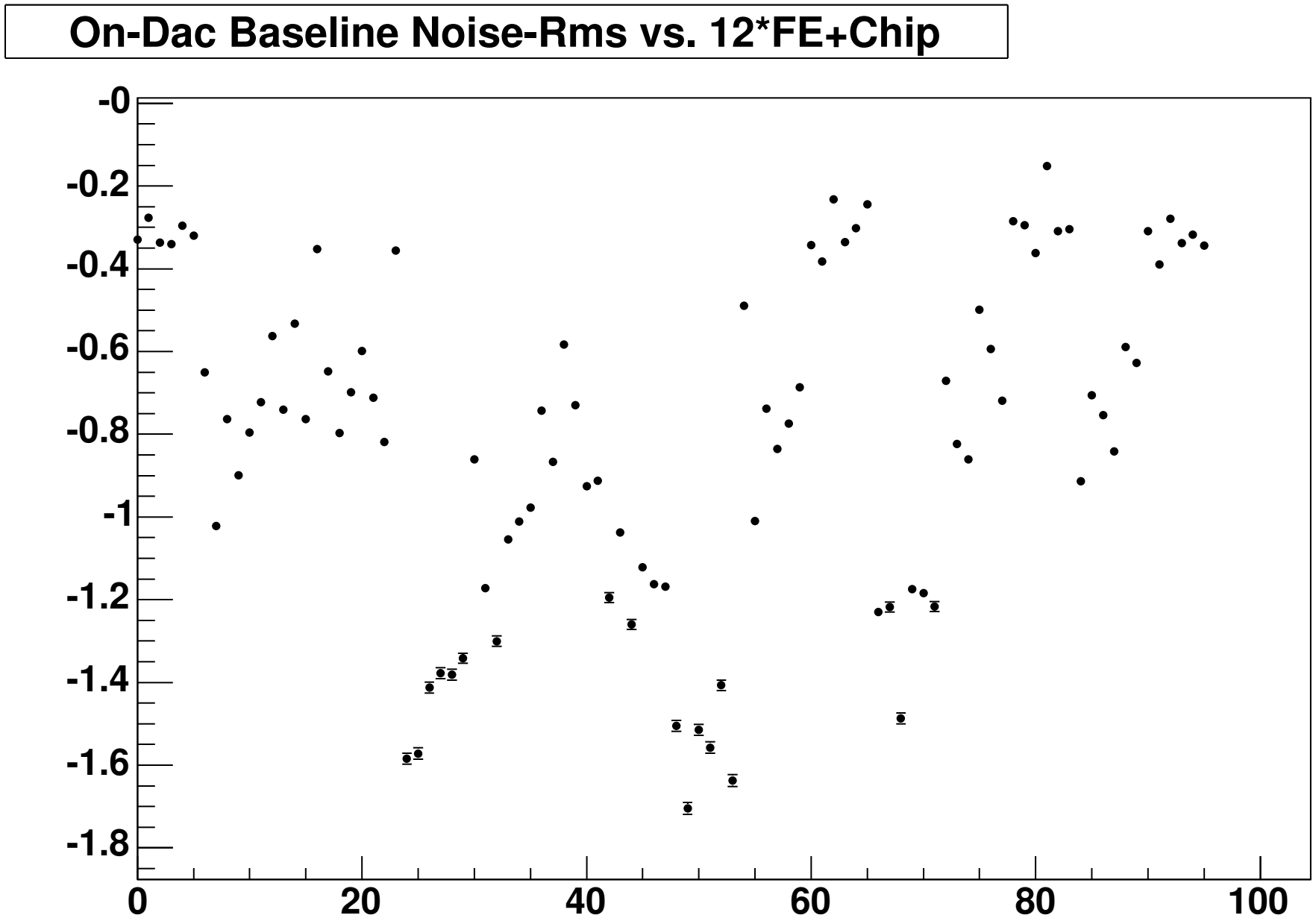

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
800
700
600
500
400
300
200
100
0
0
20
40
60
80
100

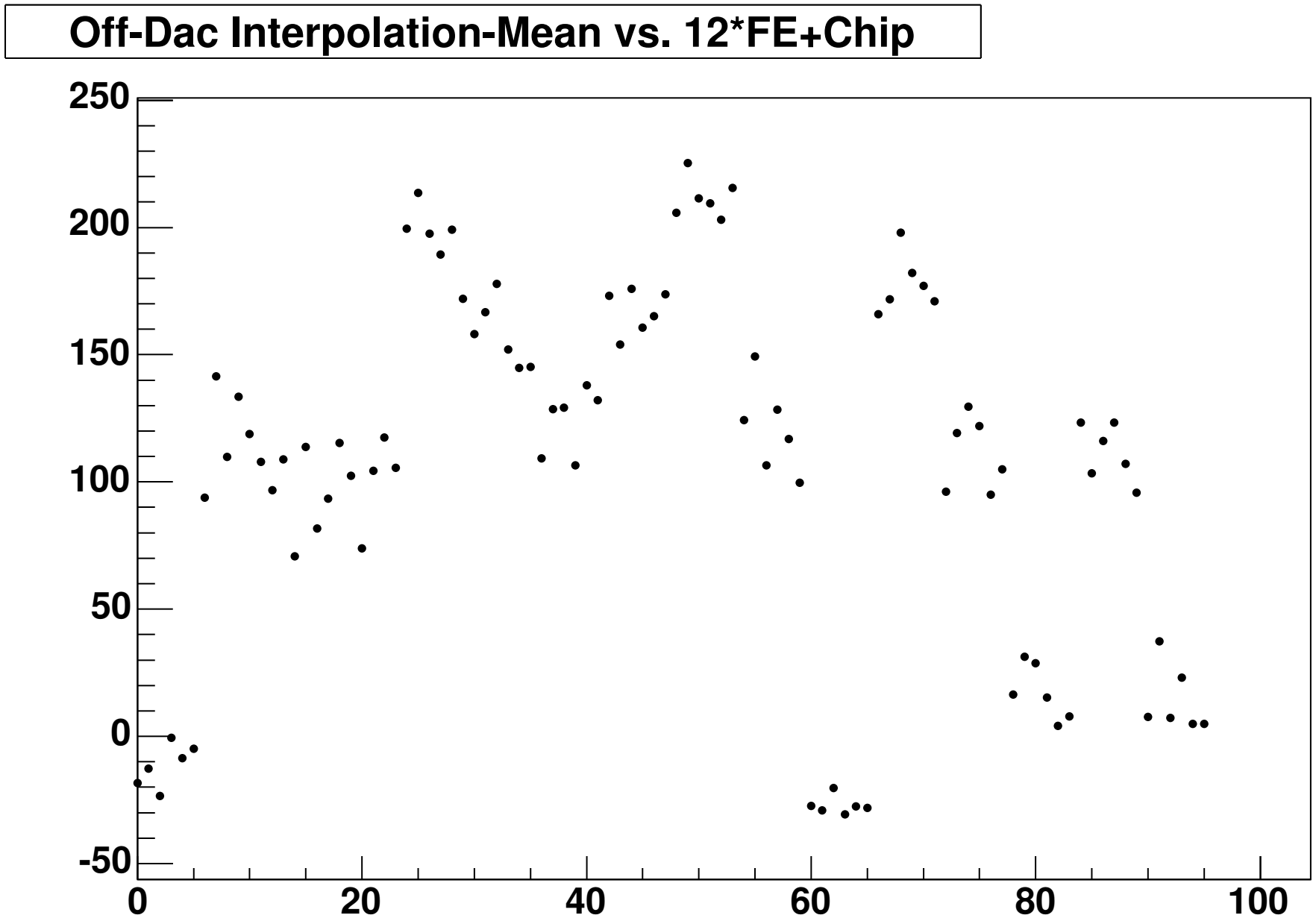

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.1
1
0.9
0.8
0.7
0
20
40
60
80
100

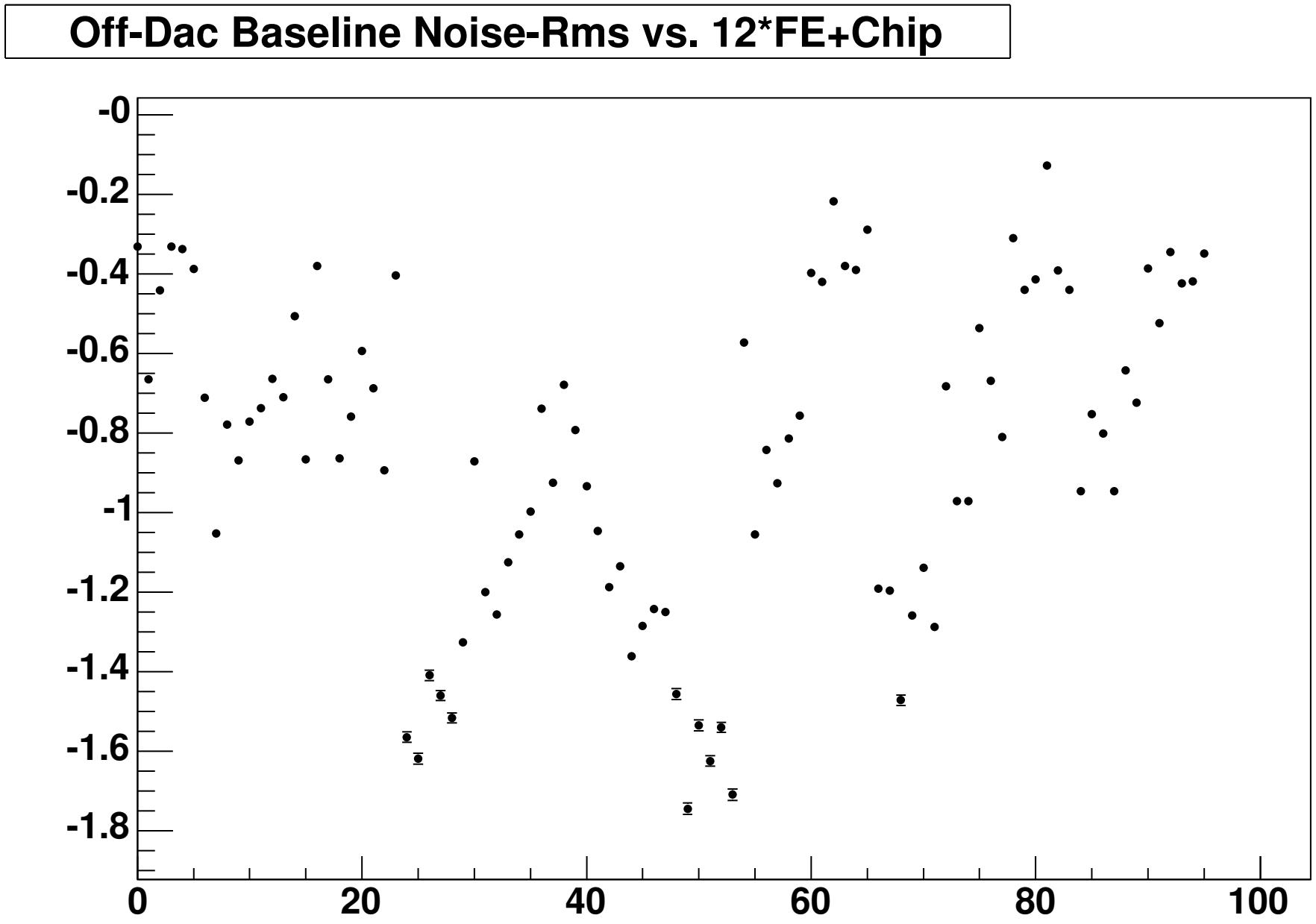

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
8
6
4
2
0
-2
-4
-6
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
25
20
15
10
5
0
0
20
40
60
80
100


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


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
-0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
-1.8
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
250
200
150
100
50
0
-50
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
-0
-0.2
-0.4
-0.6
-0.8
-1
-1.2
-1.4
-1.6
-1.8
0
20
40
60
80
100