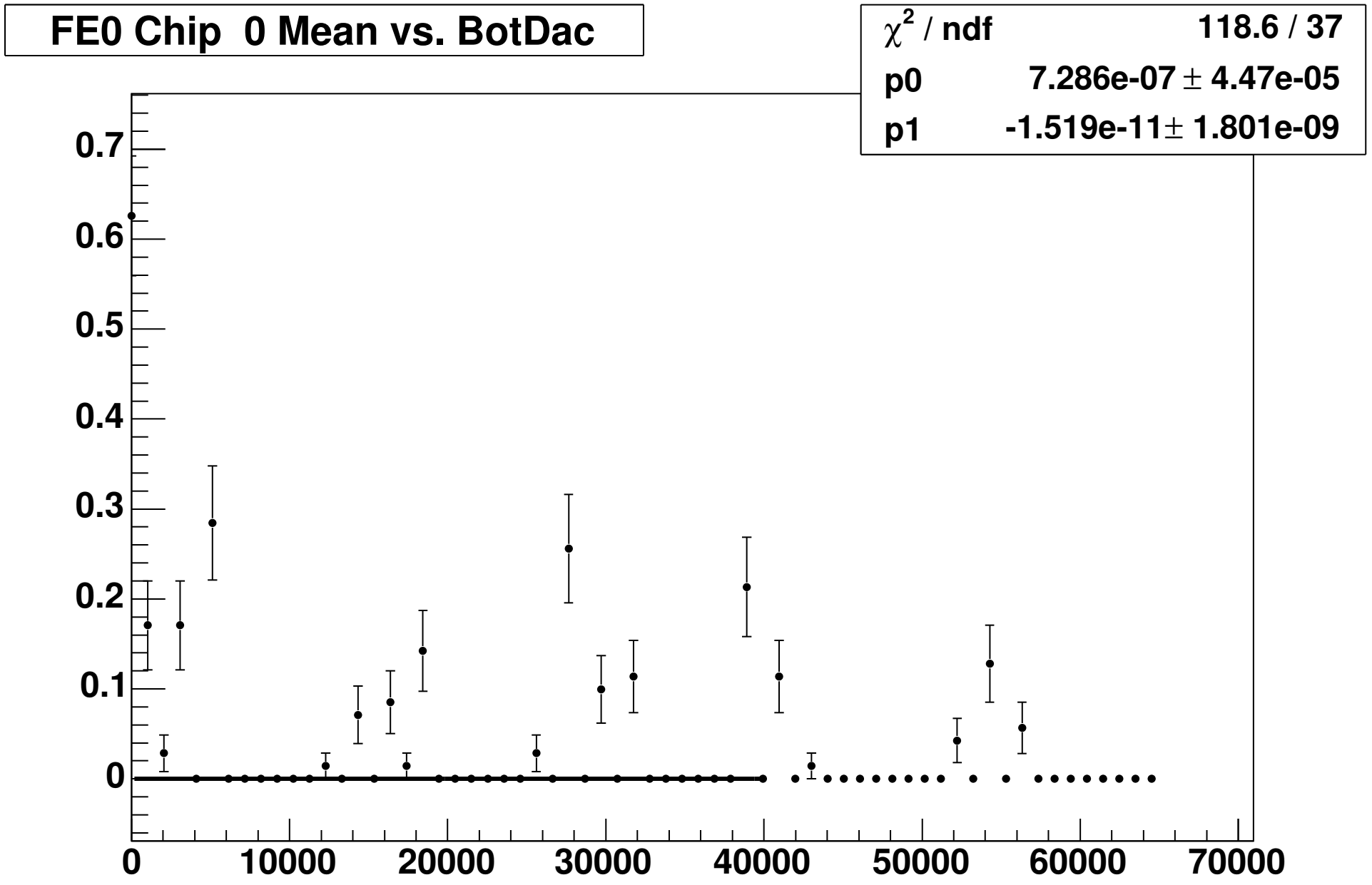
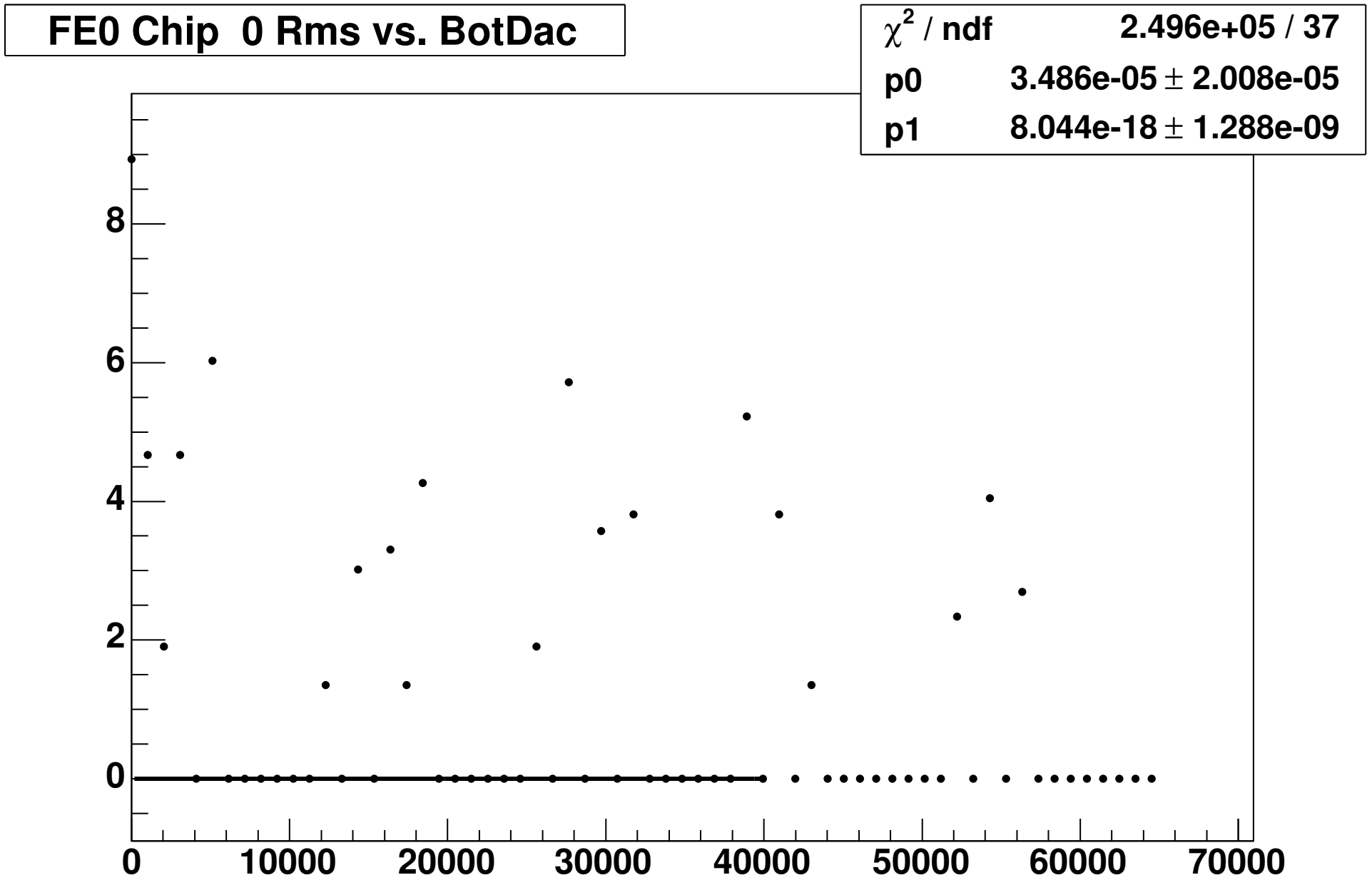
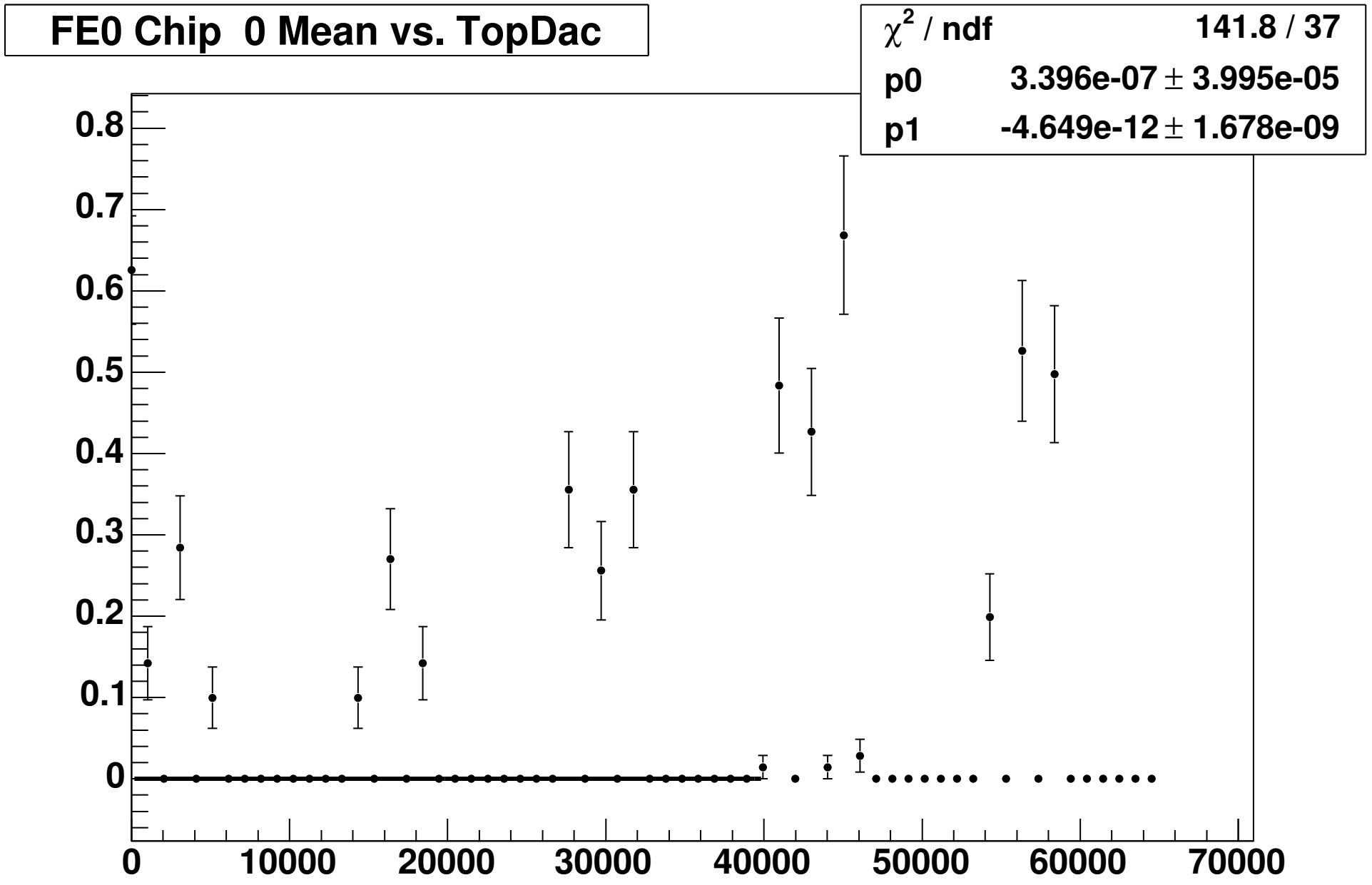
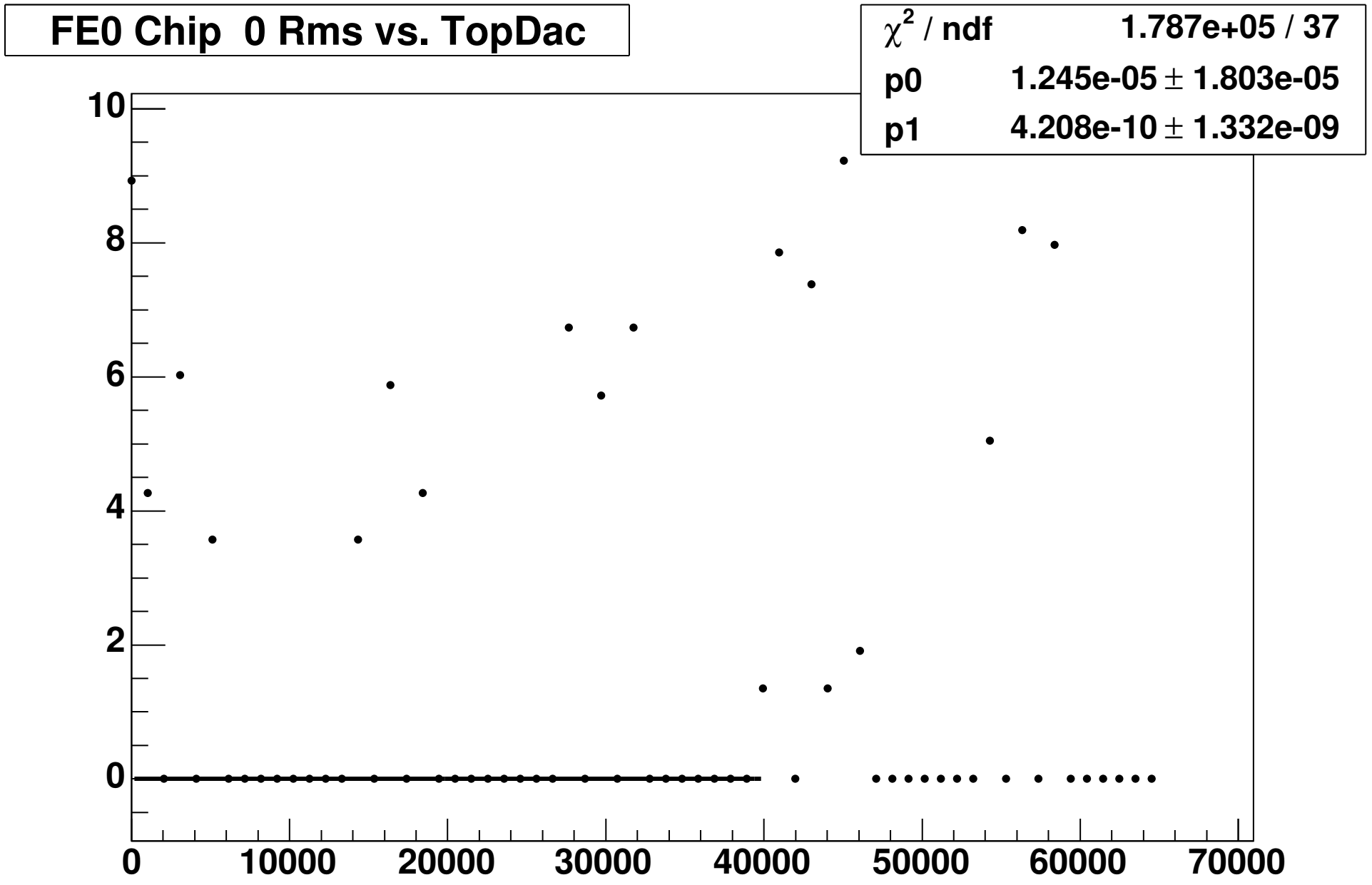
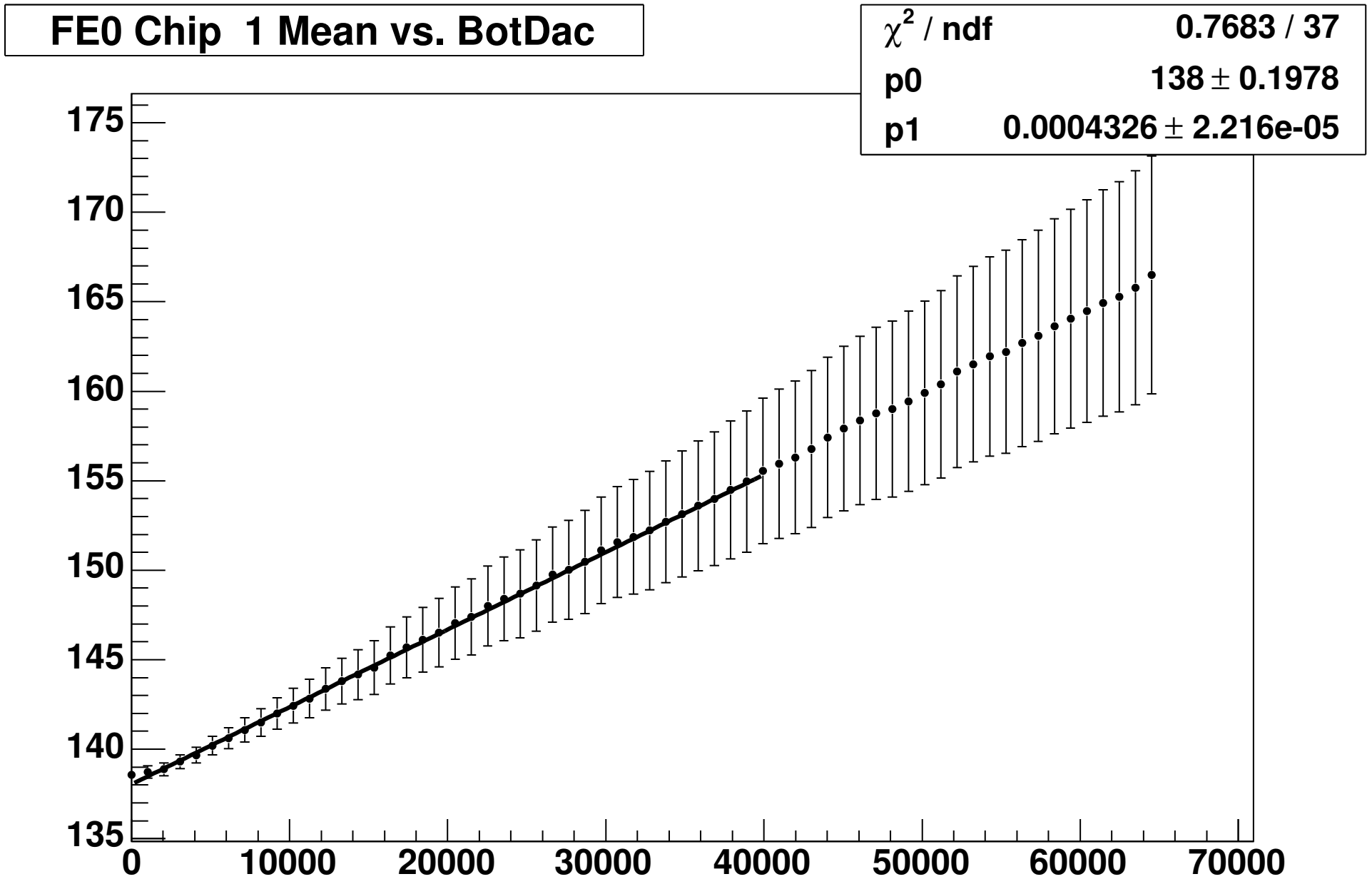

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 118.6 / 37
p0 7.286e-07 ± 4.47e-05
p1 -1.519e-11 ± 1.801e-09
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 2.496e+05 / 37
p0 3.486e-05 ± 2.008e-05
p1 8.044e-18 ± 1.288e-09
0
2
4
6
8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 141.8 / 37
p0 3.396e-07 ± 3.995e-05
p1 -4.649e-12 ± 1.678e-09
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 1.787e+05 / 37
p0 1.245e-05 ± 1.803e-05
p1 4.208e-10 ± 1.332e-09
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 0.7683 / 37
p0 138 ± 0.1978
p1 0.0004326 ± 2.216e-05
175
170
165
160
155
150
145
140
135
0
10000
20000
30000
40000
50000
60000
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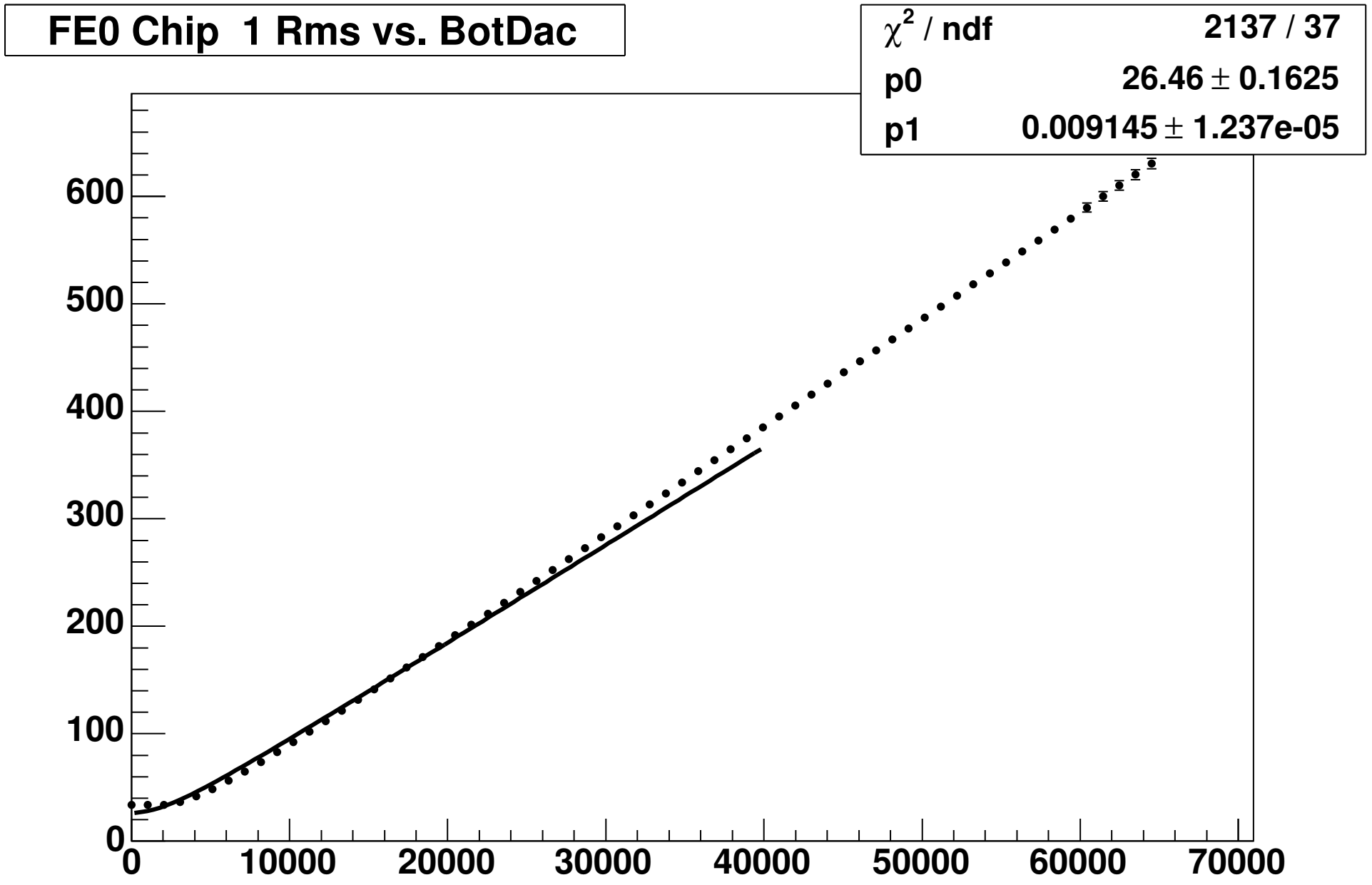
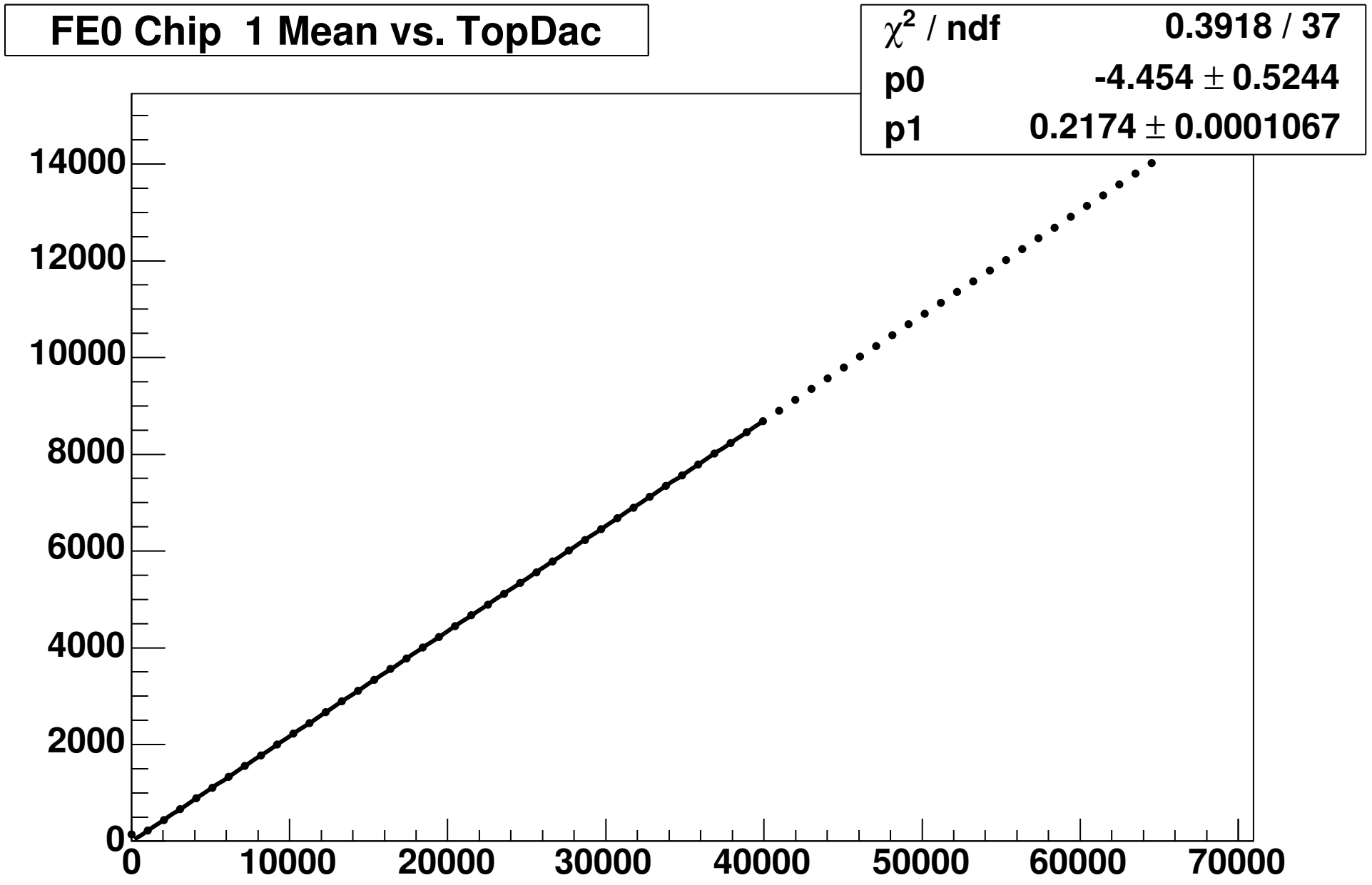
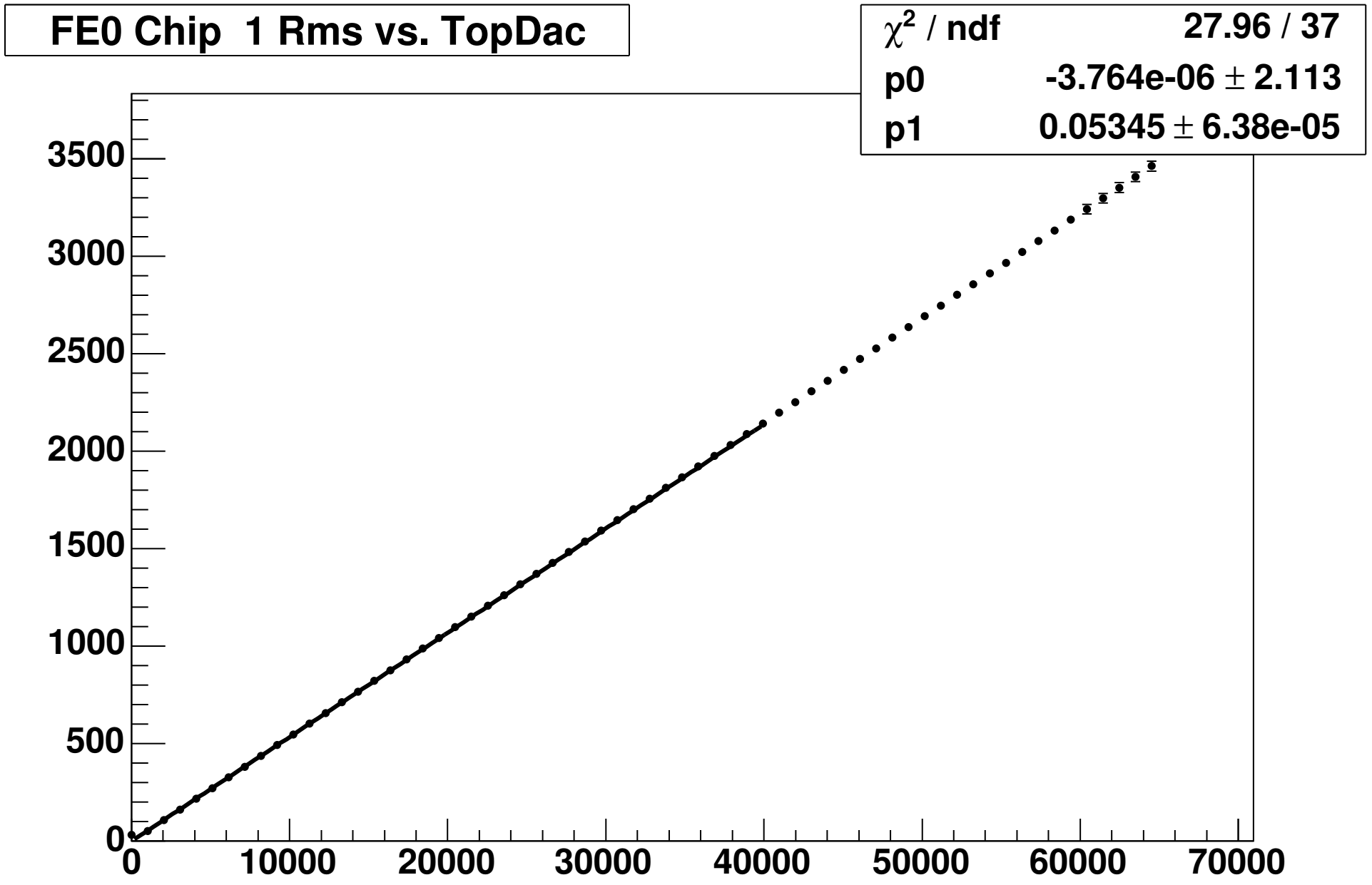
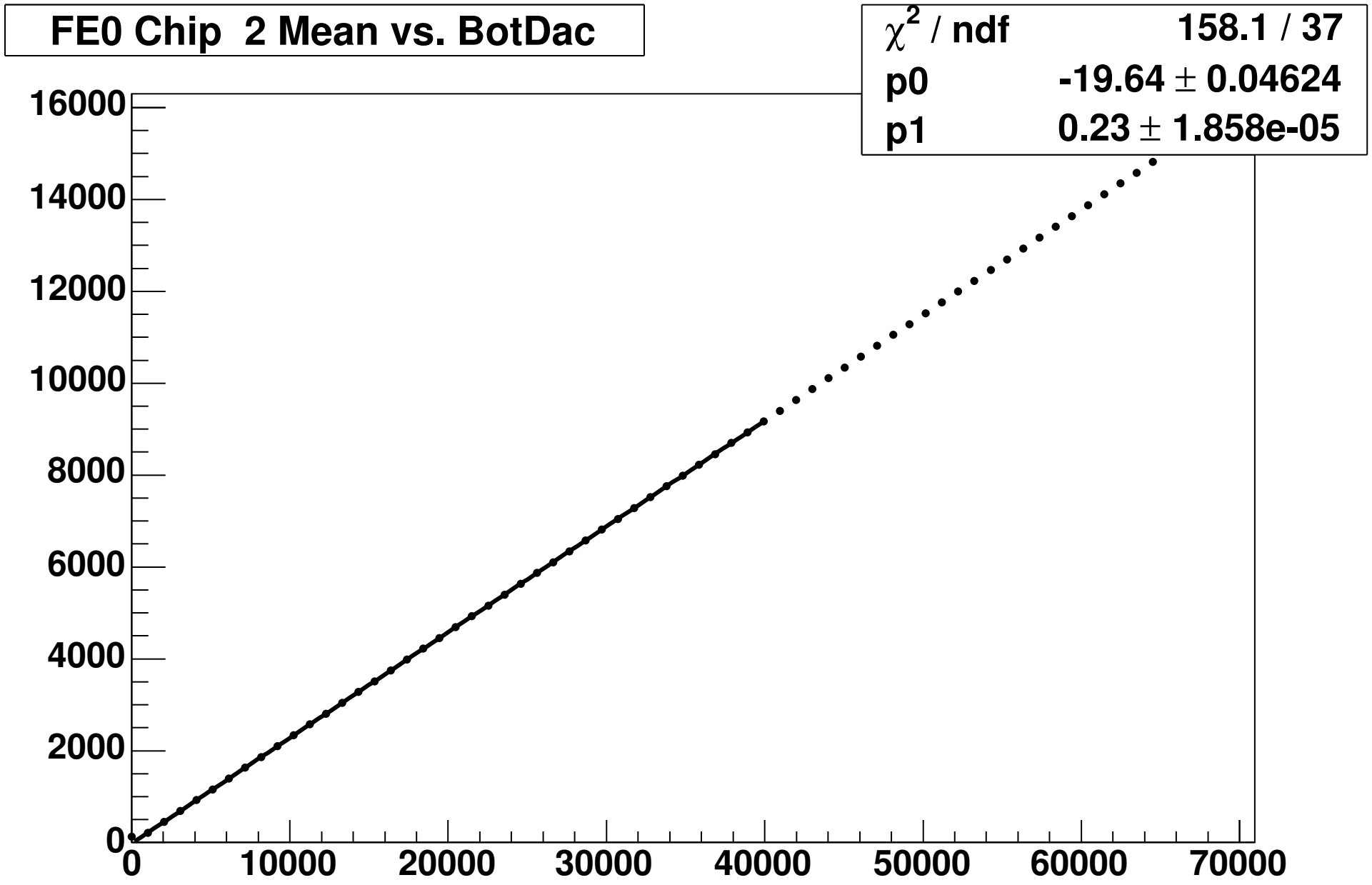
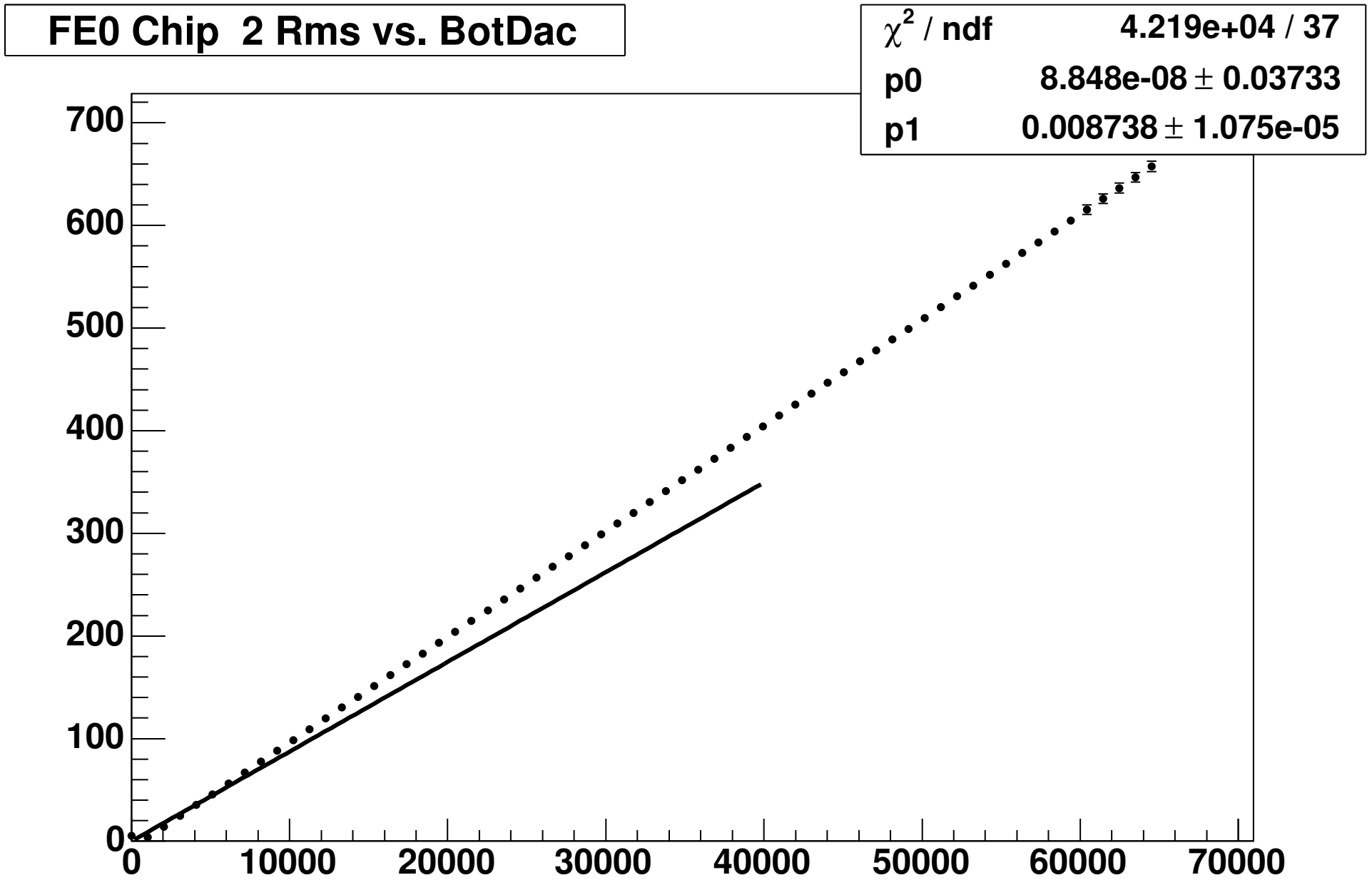
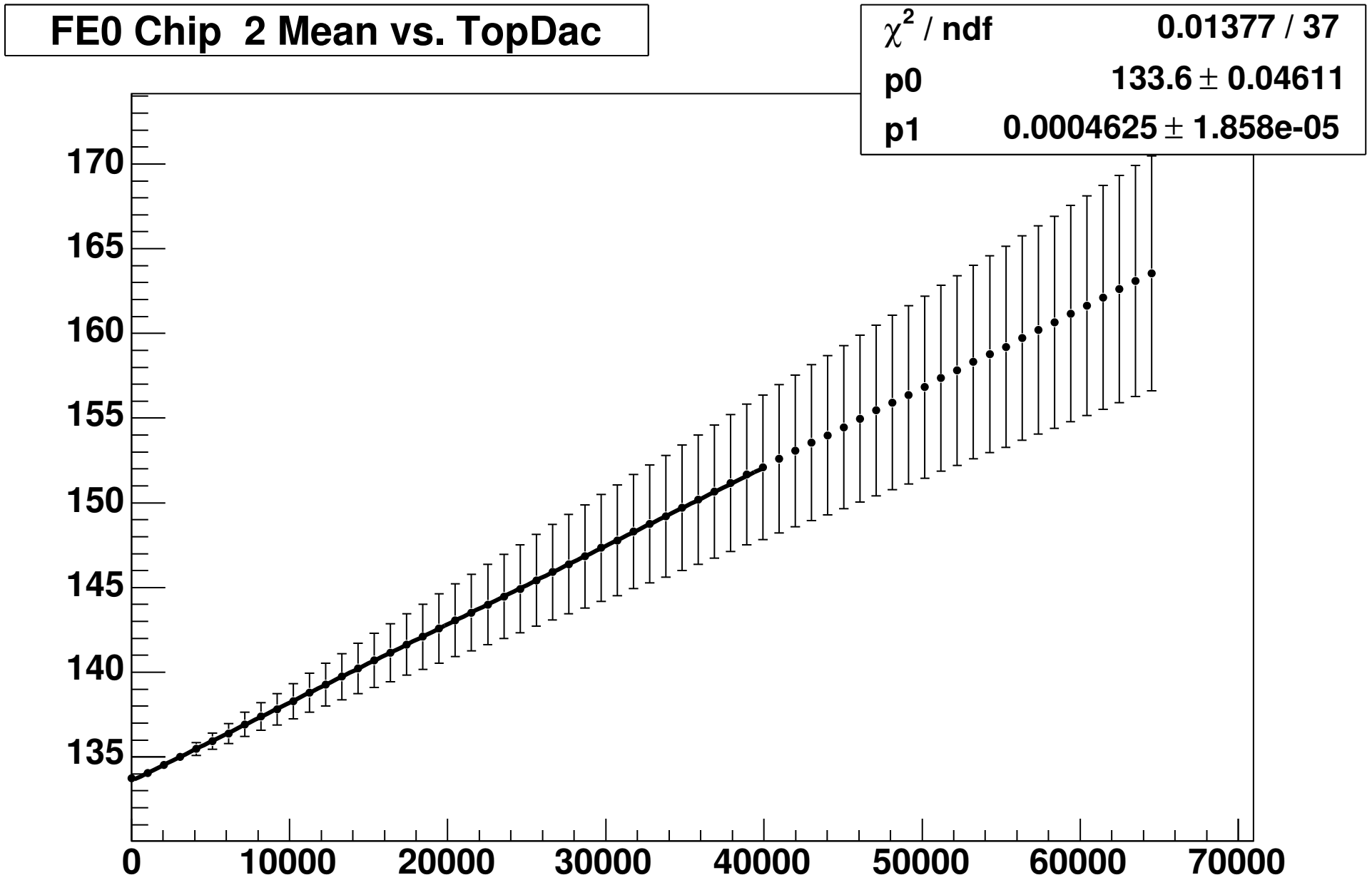

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 2137 / 37
p0 26.46 ± 0.1625
p1 0.009145 ± 1.237e-05
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Mean vs. TopDac
χ² / ndf 0.3918 / 37
p0 -4.454 ± 0.5244
p1 0.2174 ± 0.0001067
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 27.96 / 37
p0 -3.764e-06 ± 2.113
p1 0.05345 ± 6.38e-05
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 158.1 / 37
p0 -19.64 ± 0.04624
p1 0.23 ± 1.858e-05
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 4.219e+04 / 37
p0 8.848e-08 ± 0.03733
p1 0.008738 ± 1.075e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 0.01377 / 37
p0 133.6 ± 0.04611
p1 0.0004625 ± 1.858e-05
170
165
160
155
150
145
140
135
0
10000
20000
30000
40000
50000
60000
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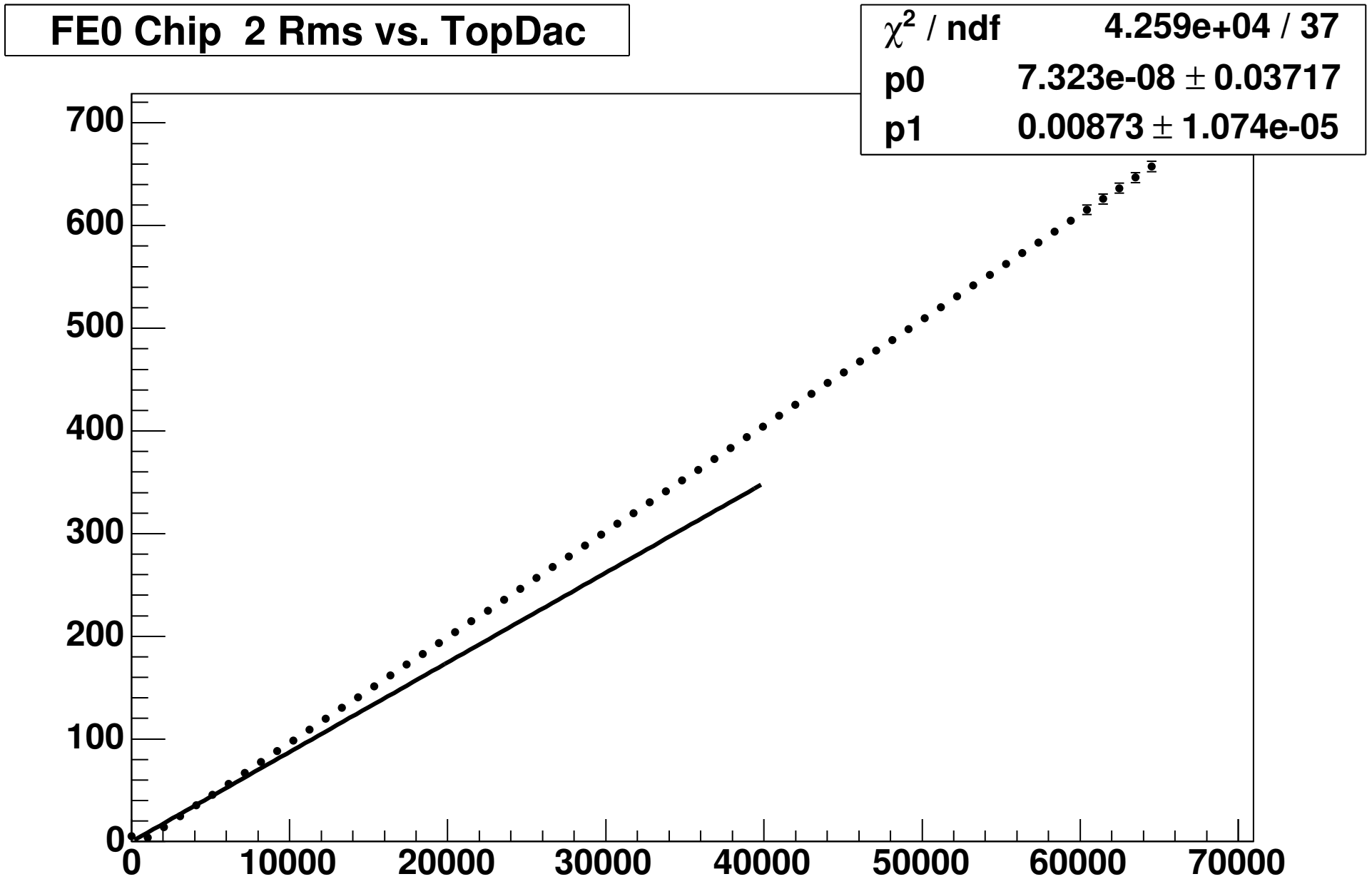
FE0 Chip 2 Rms vs. TopDac
χ² / ndf 4.259e+04 / 37
p0 7.323e-08 ± 0.03717
p1 0.00873 ± 1.074e-05
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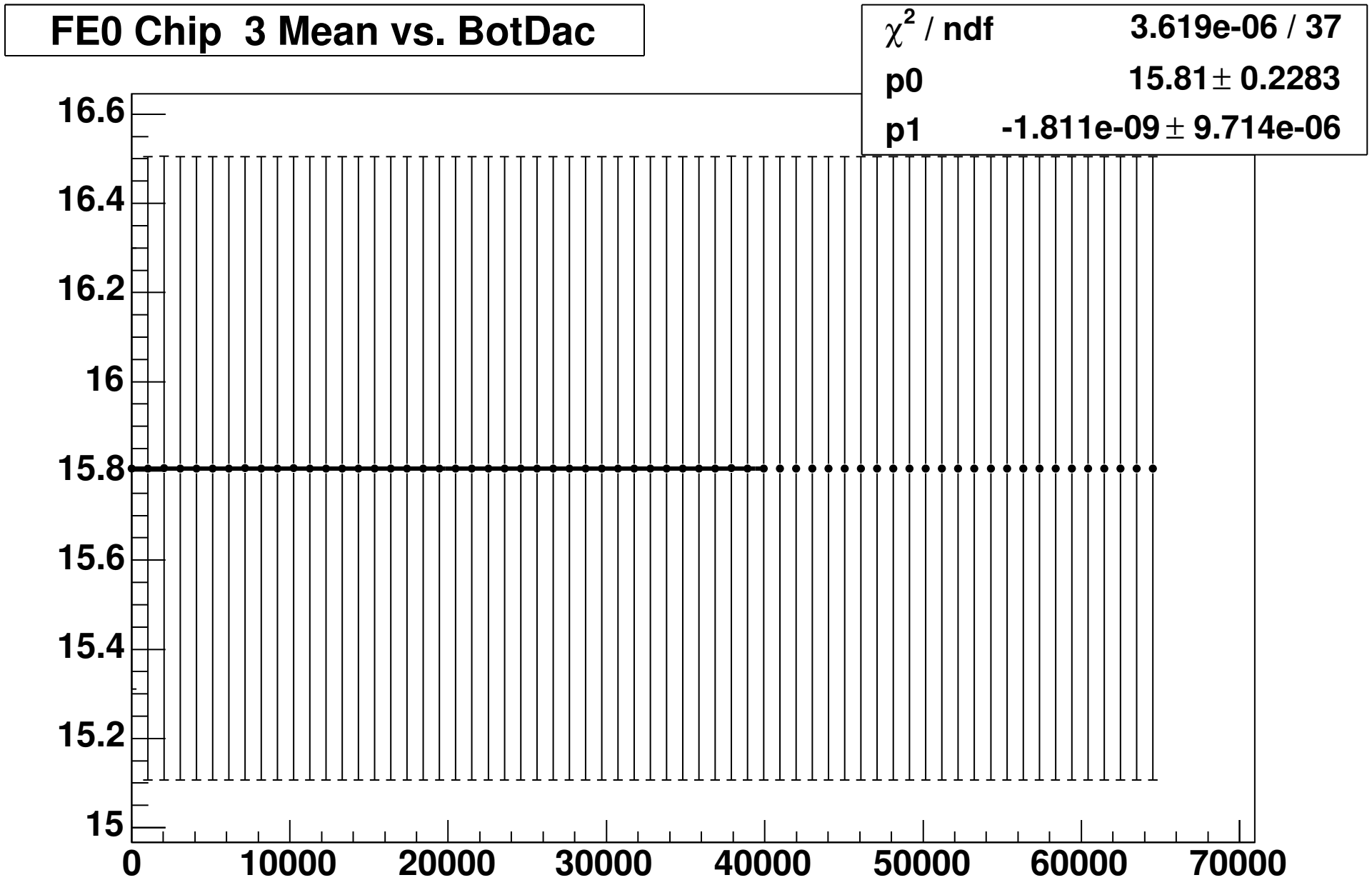
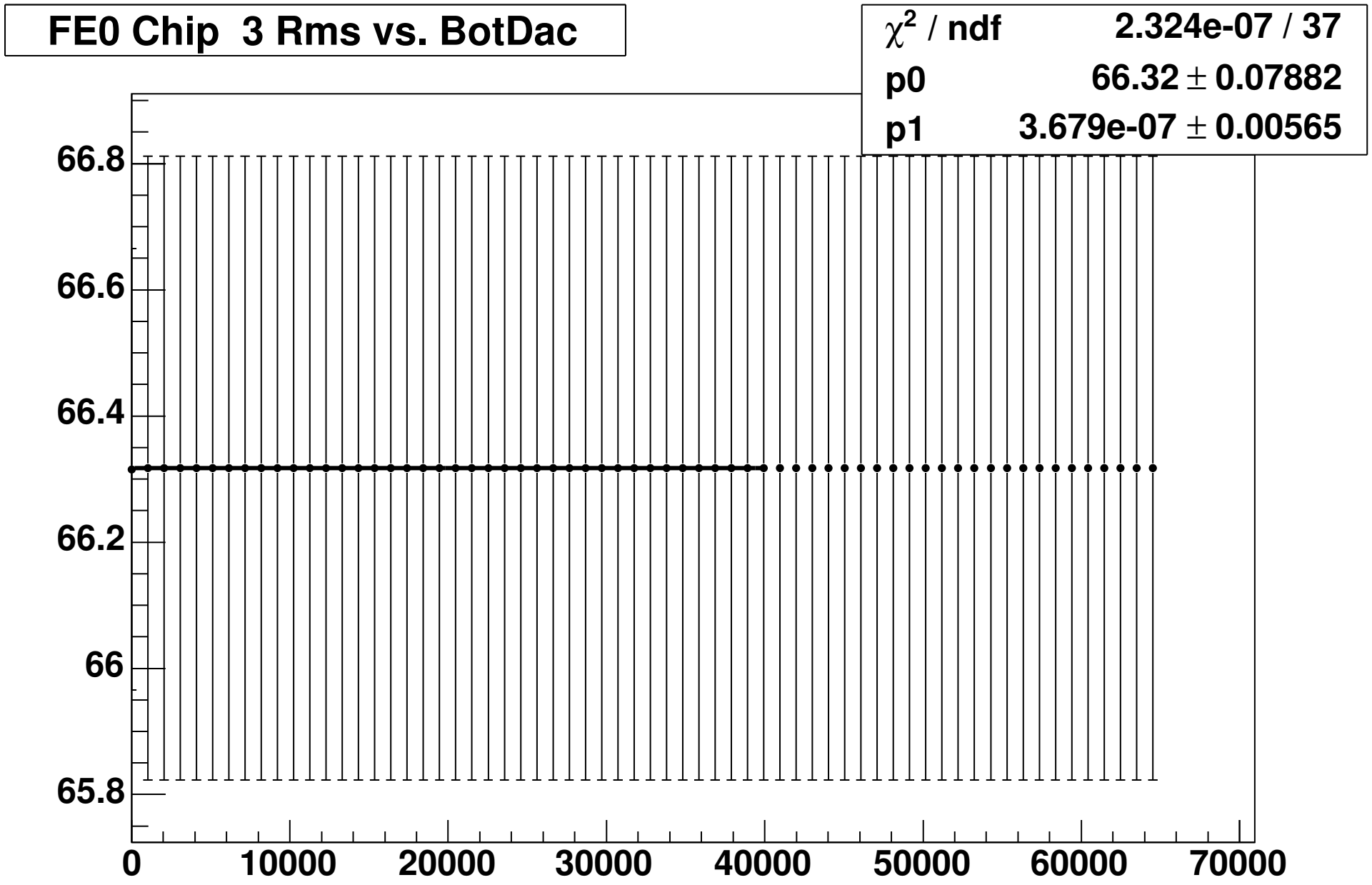
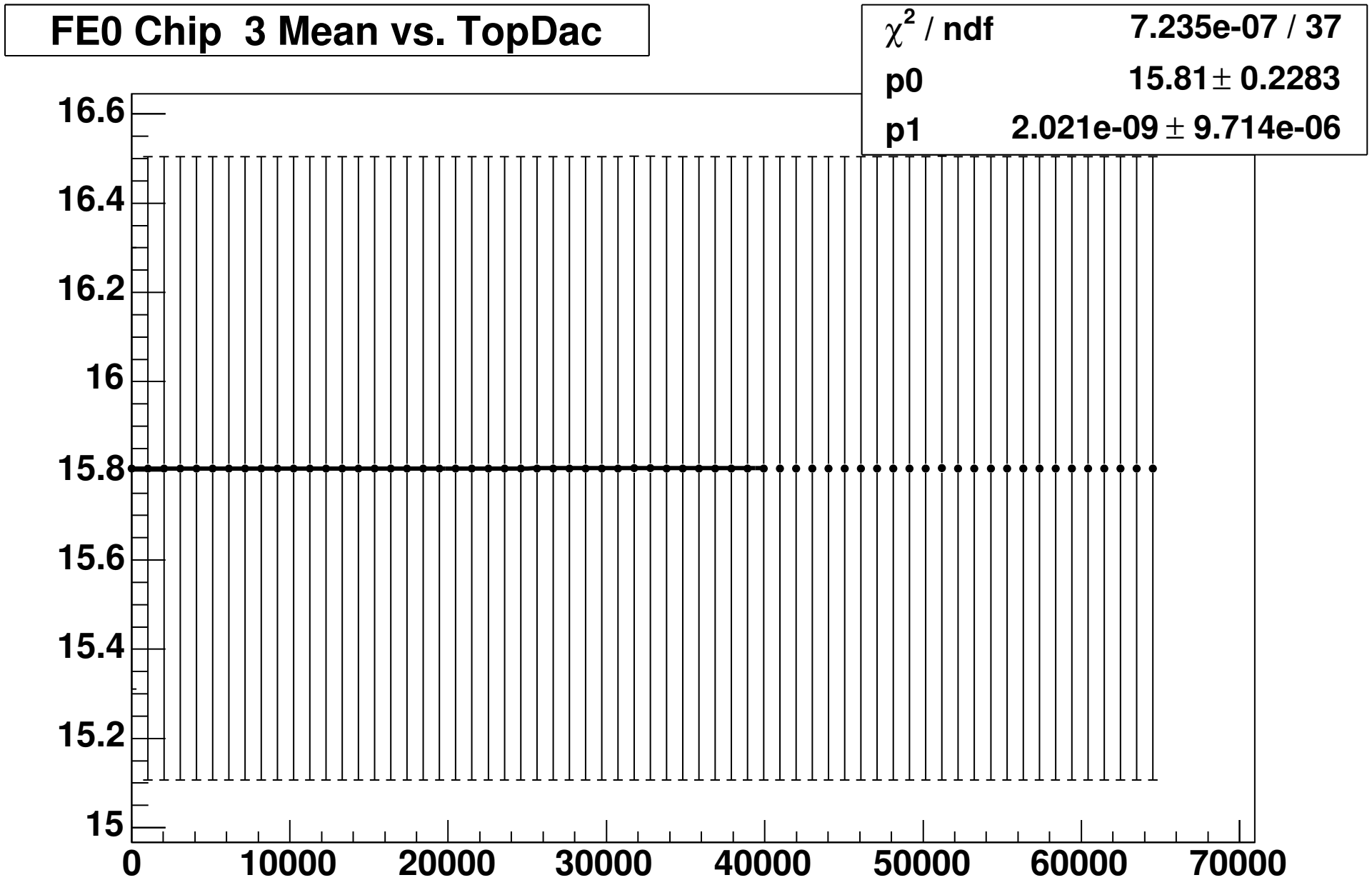
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 3.619e-06 / 37
p0 15.81 ± 0.2283
p1 -1.811e-09 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 2.324e-07 / 37
p0 66.32 ± 0.07882
p1 3.679e-07 ± 0.00565
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 7.235e-07 / 37
p0 15.81 ± 0.2283
p1 2.021e-09 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
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50000
60000
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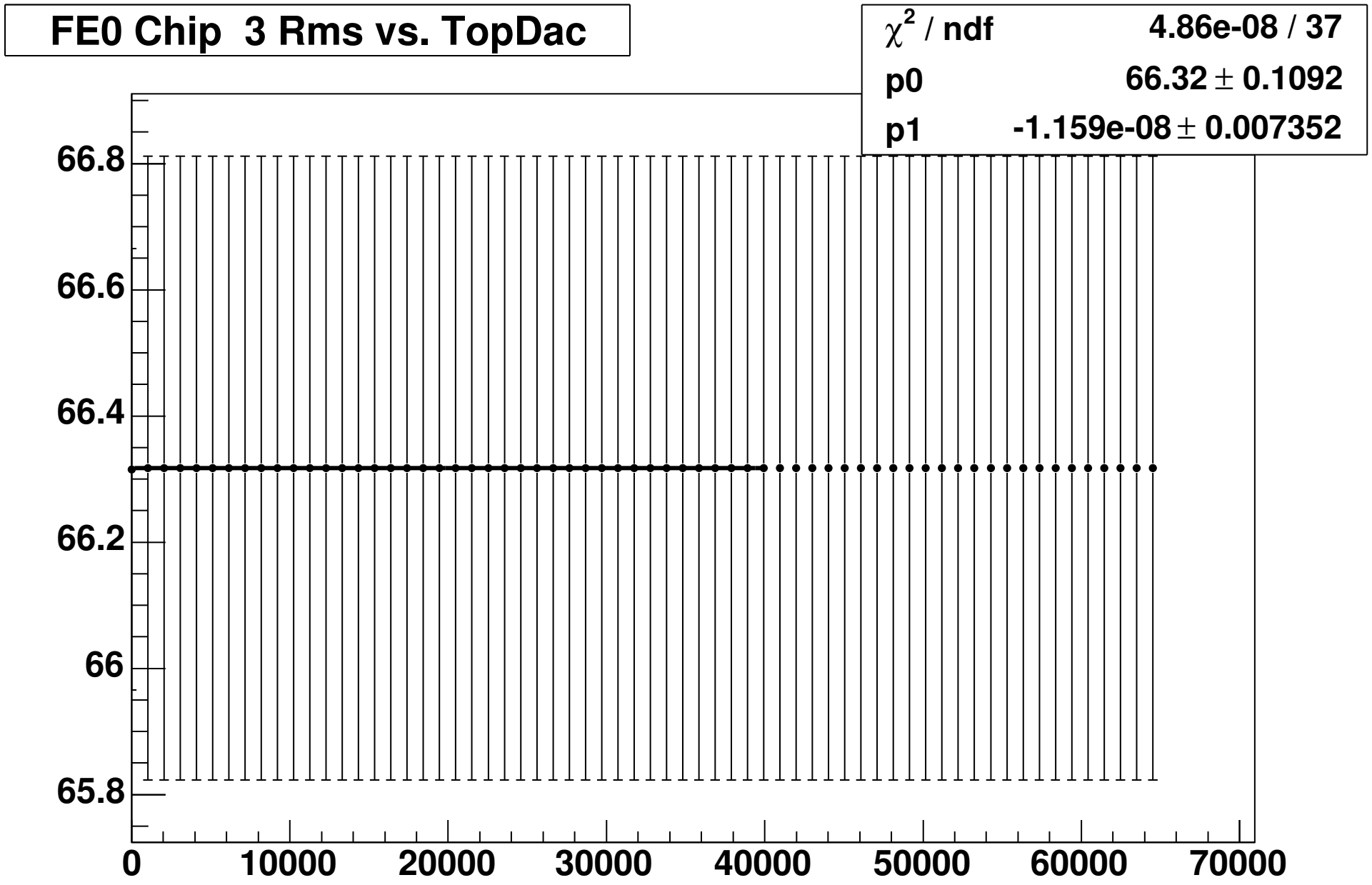
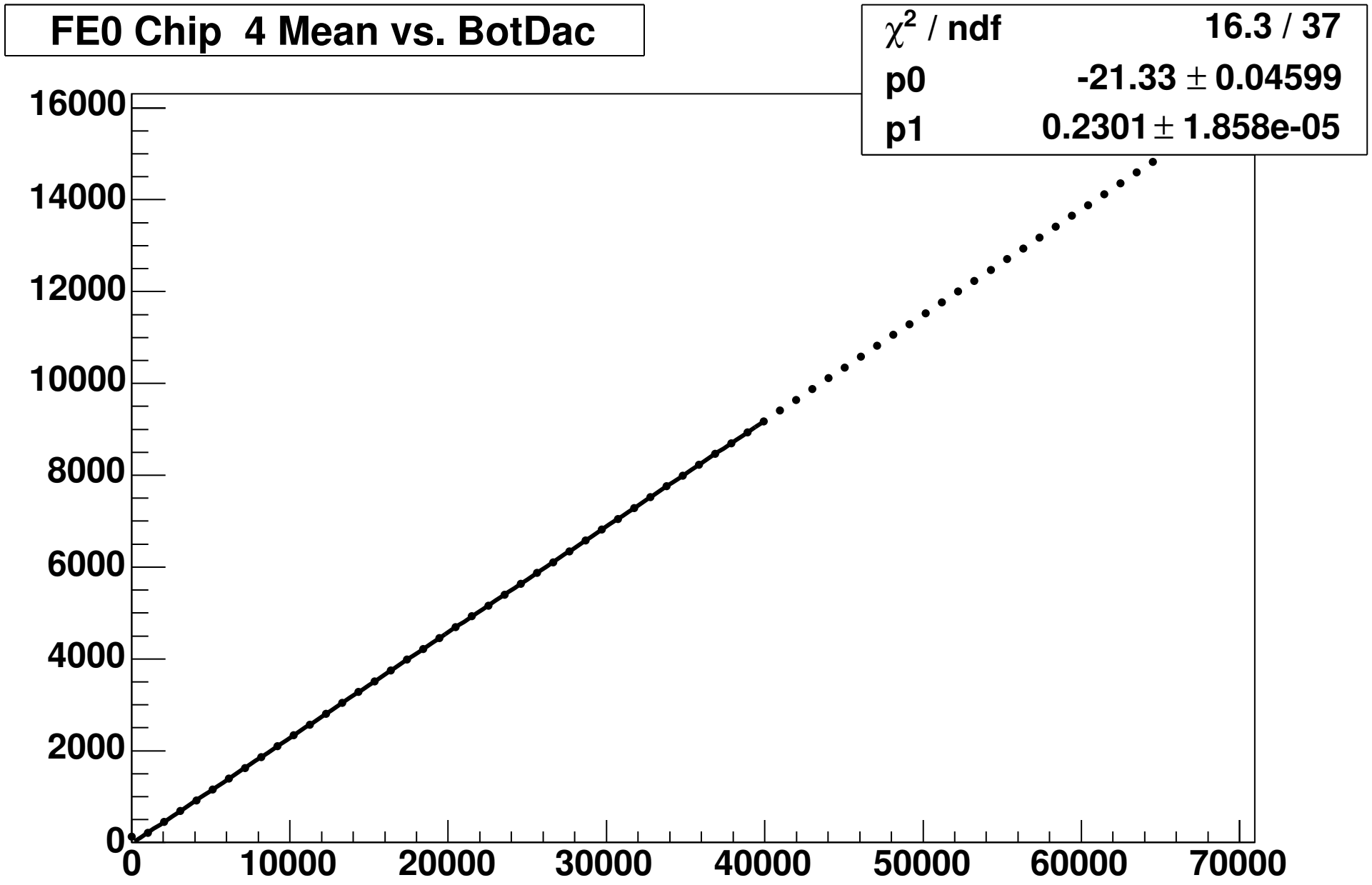
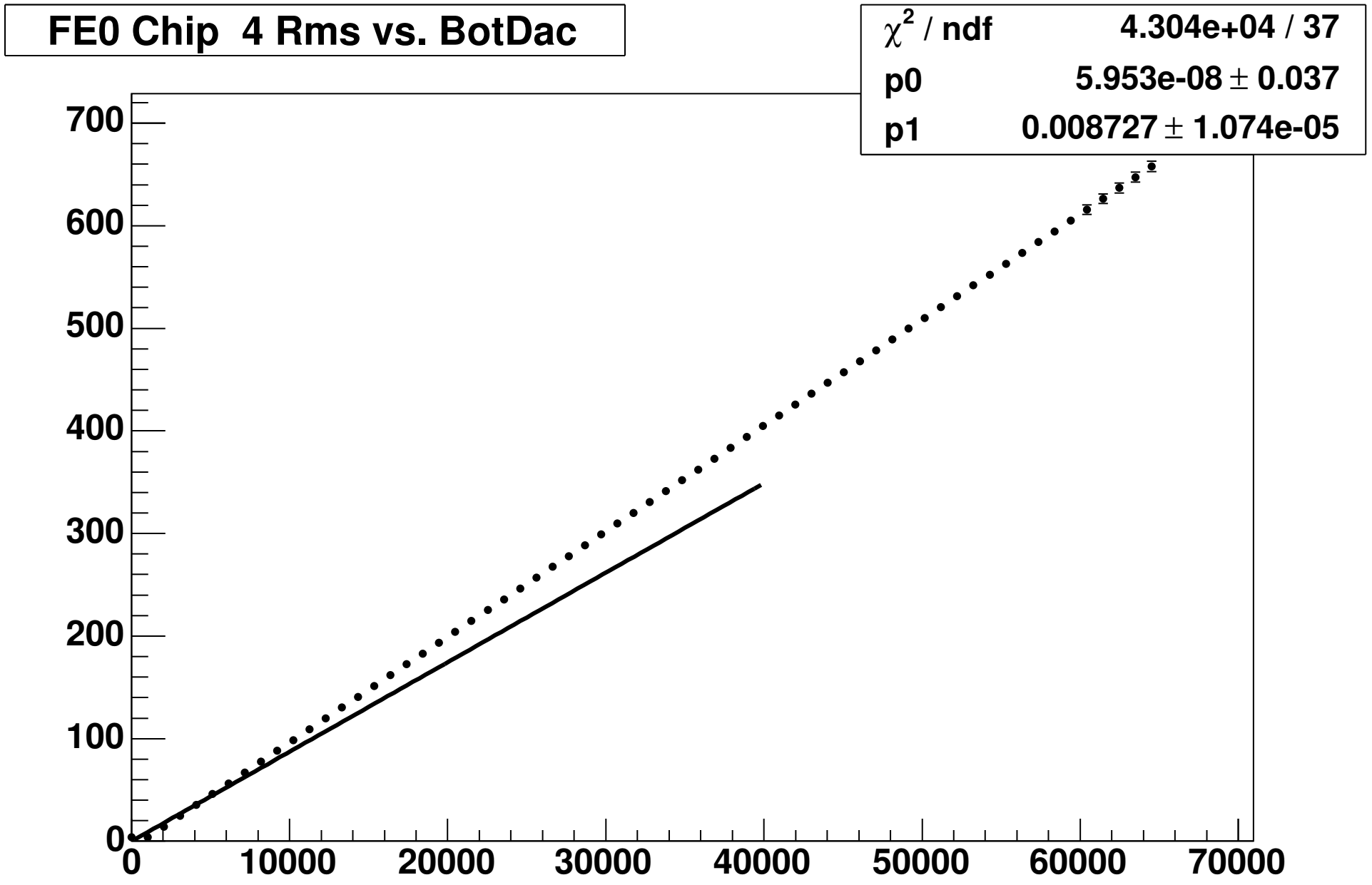
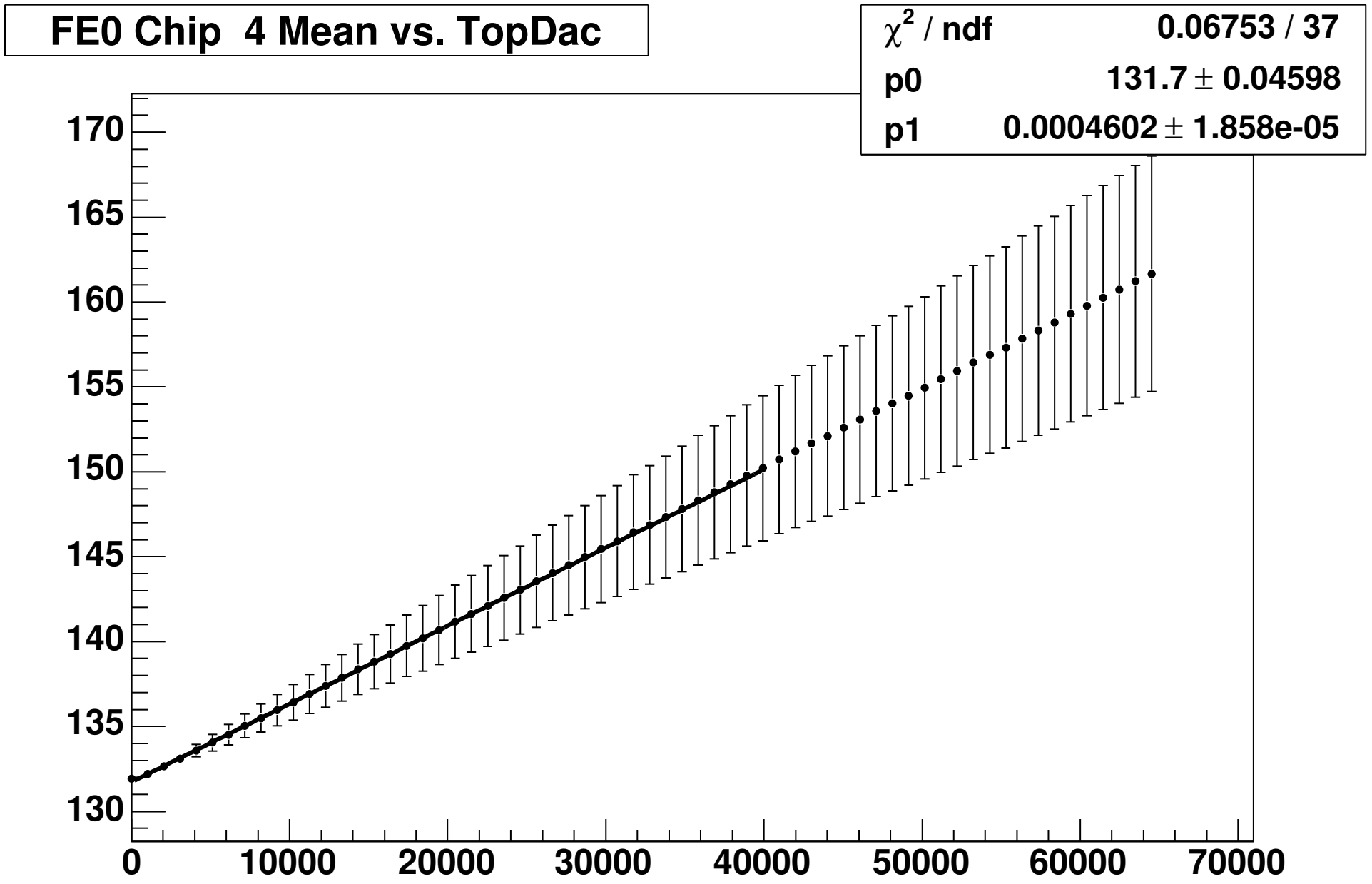

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 4.86e-08 / 37
p0 66.32 ± 0.1092
p1 -1.159e-08 ± 0.007352
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 16.3 / 37
p0 -21.33 ± 0.04599
p1 0.2301 ± 1.858e-05
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 4.304e+04 / 37
p0 5.953e-08 ± 0.037
p1 0.008727 ± 1.074e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 0.06753 / 37
p0 131.7 ± 0.04598
p1 0.0004602 ± 1.858e-05
170
165
160
155
150
145
140
135
130
0
10000
20000
30000
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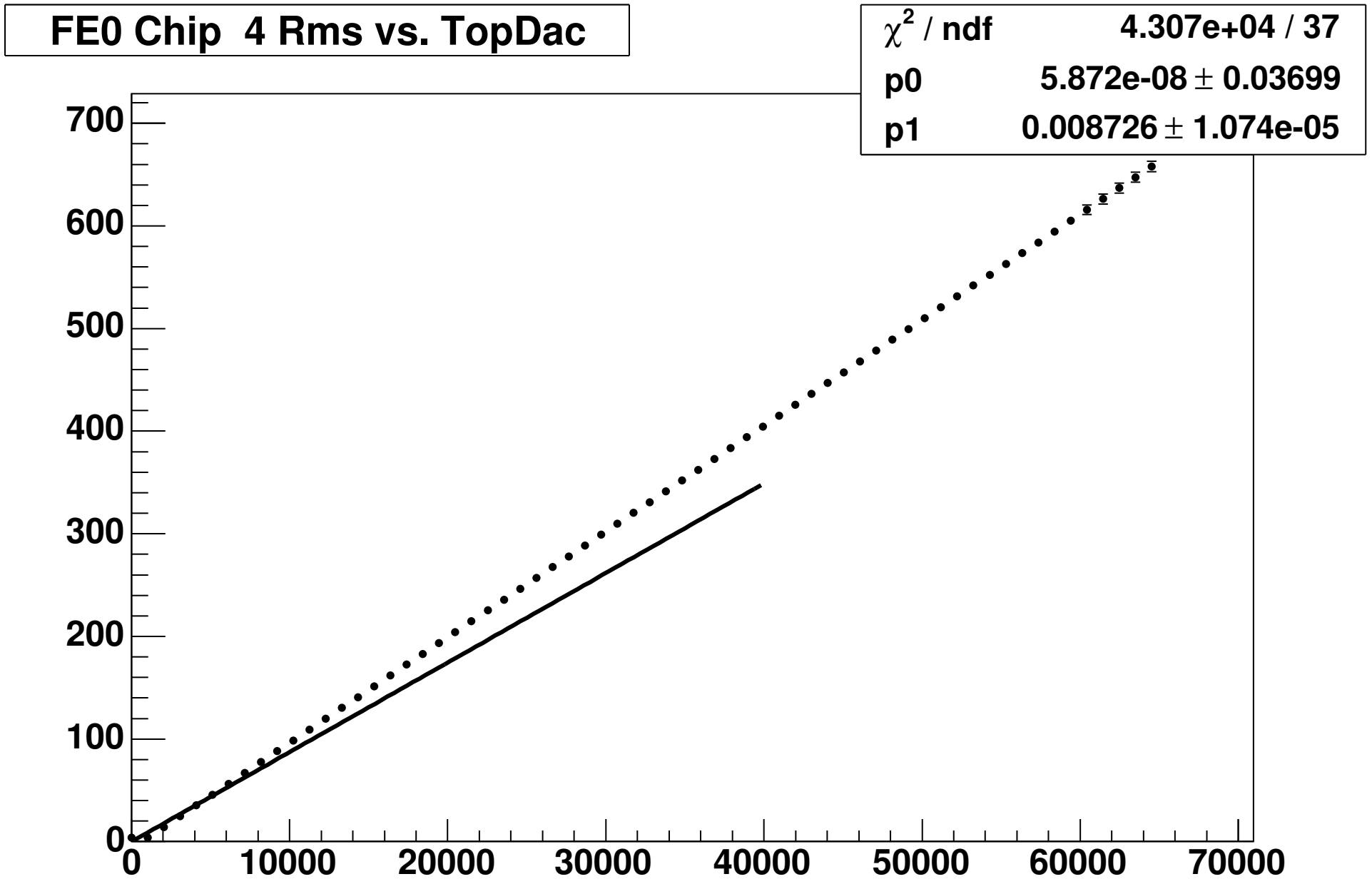
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 4.307e+04 / 37
p0 5.872e-08 ± 0.03699
p1 0.008726 ± 1.074e-05
700
600
500
400
300
200
100
0
0
10000
20000
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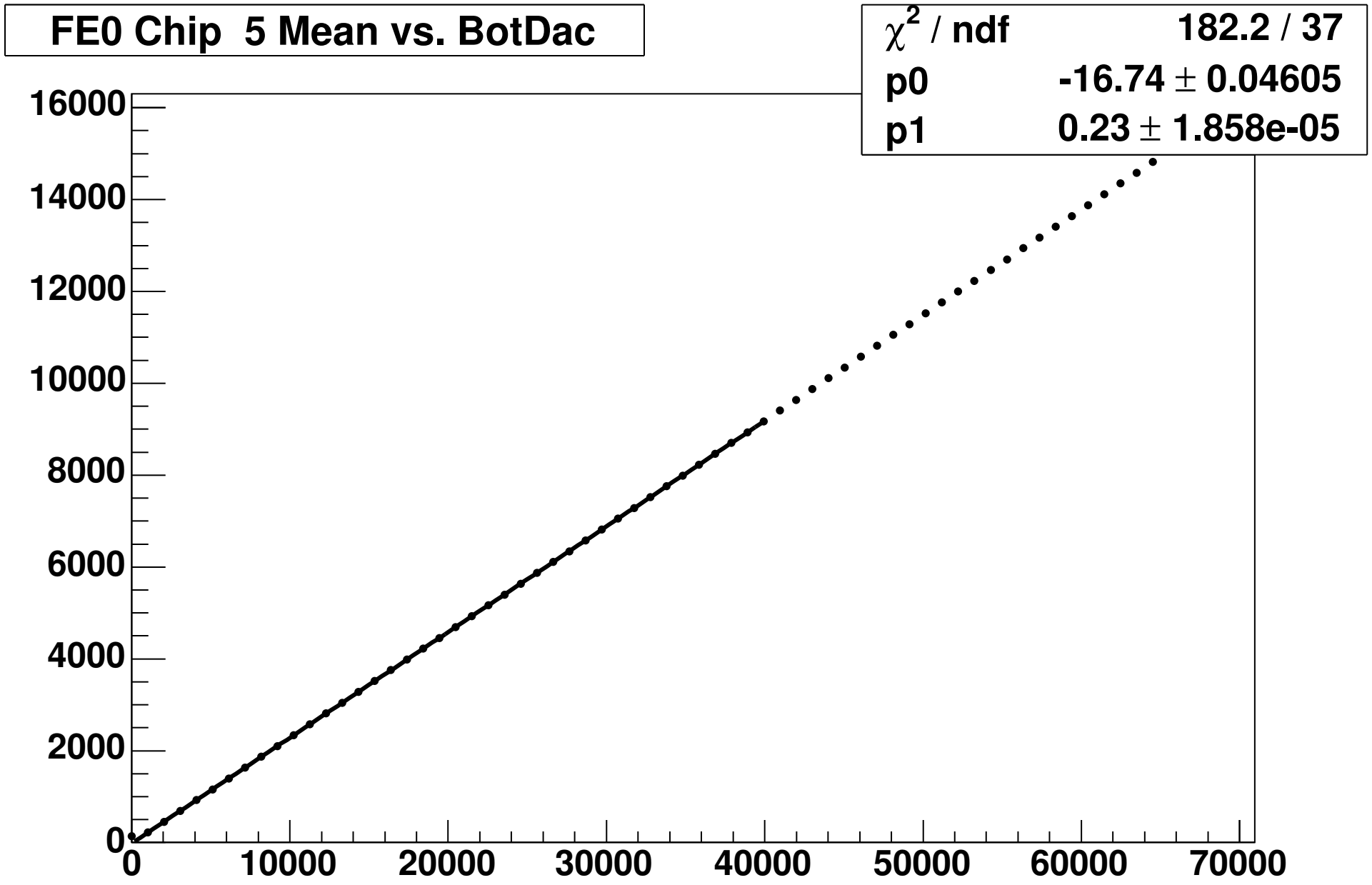
FE0 Chip 5 Mean vs. BotDac
χ² / ndf 182.2 / 37
p0 -16.74 ± 0.04605
p1 0.23 ± 1.858e-05
16000
14000
12000
10000
8000
6000
4000
2000
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0
10000
20000
30000
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50000
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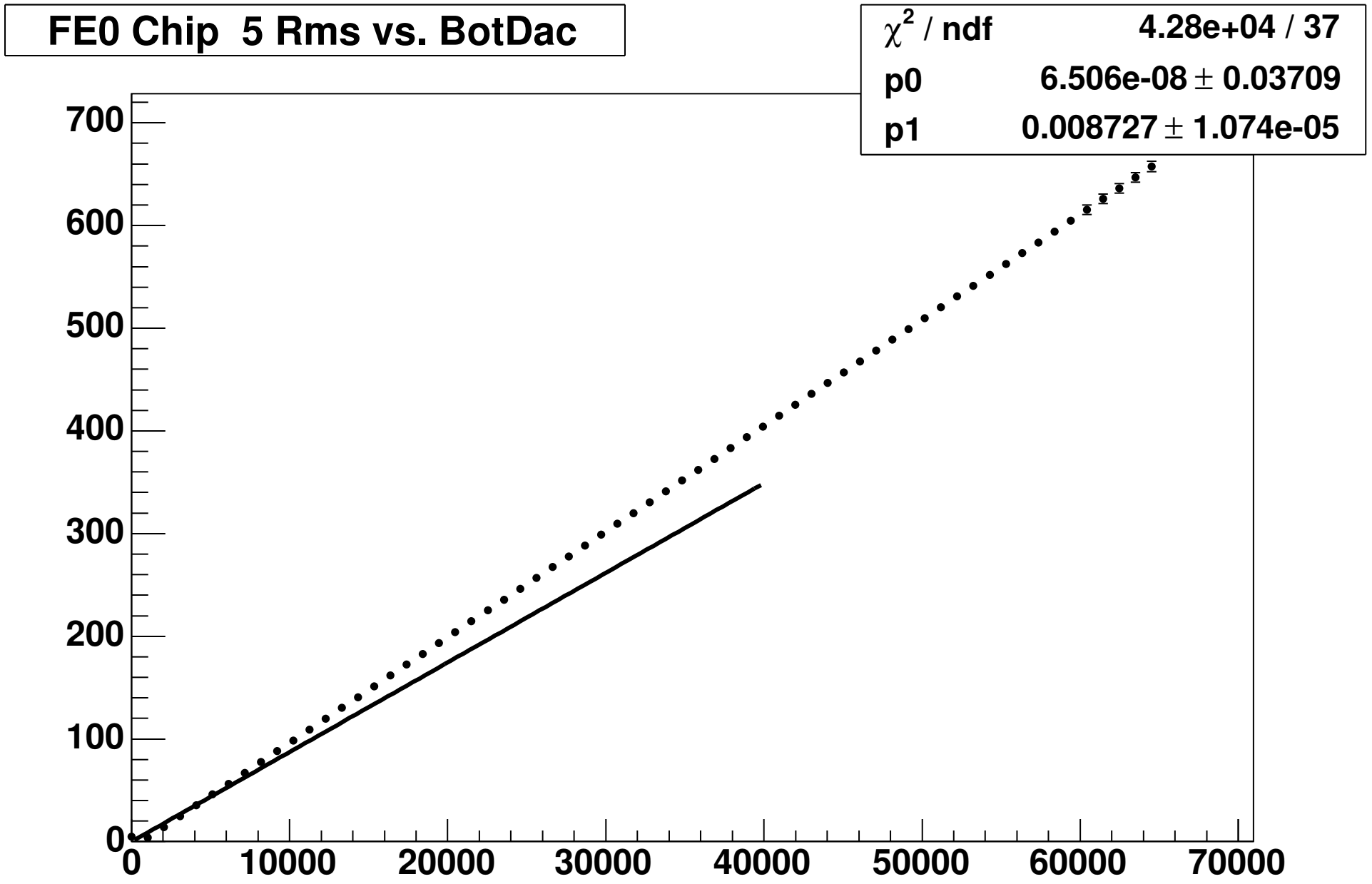
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 4.28e+04 / 37
p0 6.506e-08 ± 0.03709
p1 0.008727 ± 1.074e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
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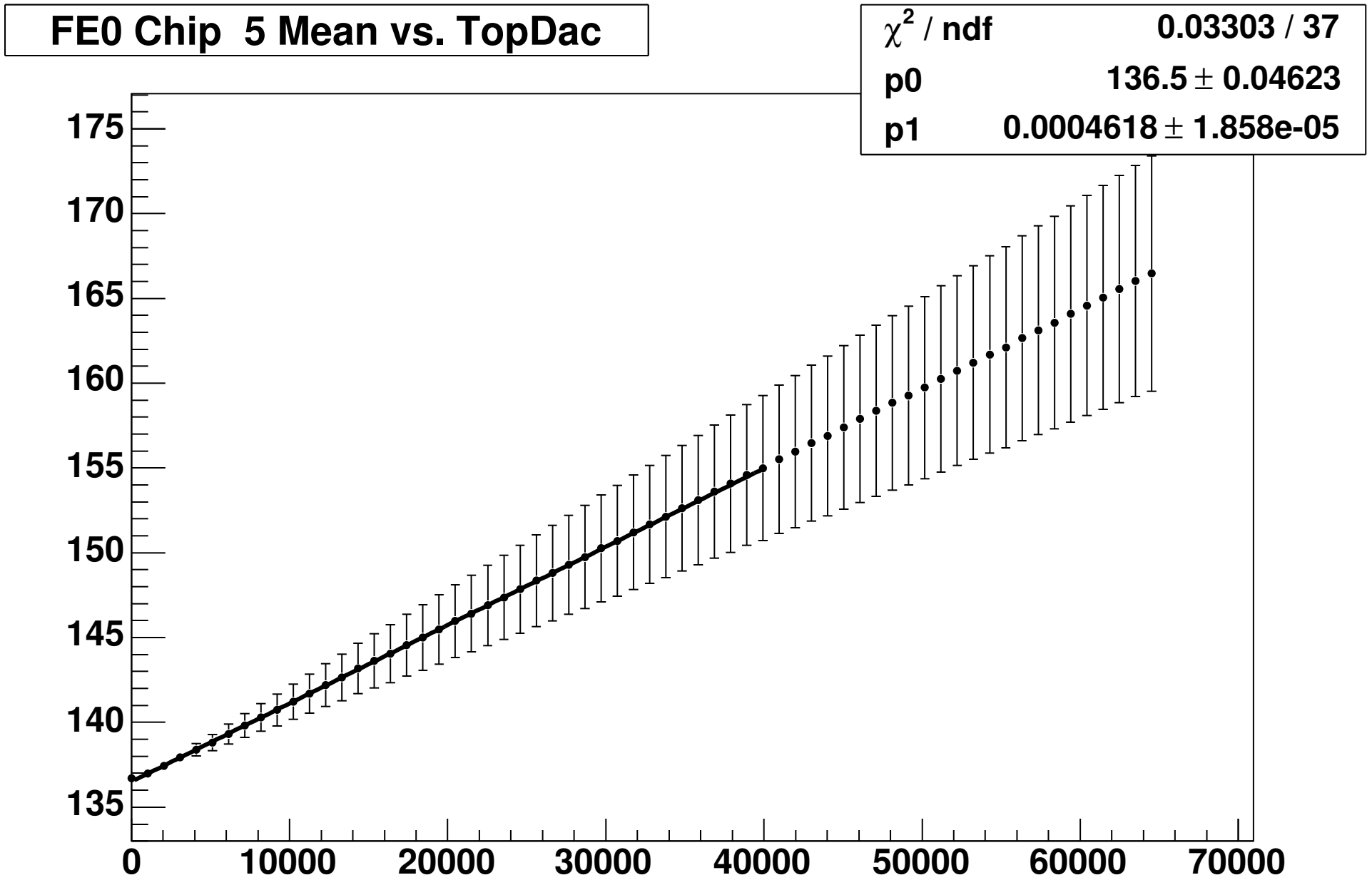
FE0 Chip 5 Mean vs. TopDac
χ² / ndf 0.03303 / 37
p0 136.5 ± 0.04623
p1 0.0004618 ± 1.858e-05
175
170
165
160
155
150
145
140
135
0
10000
20000
30000
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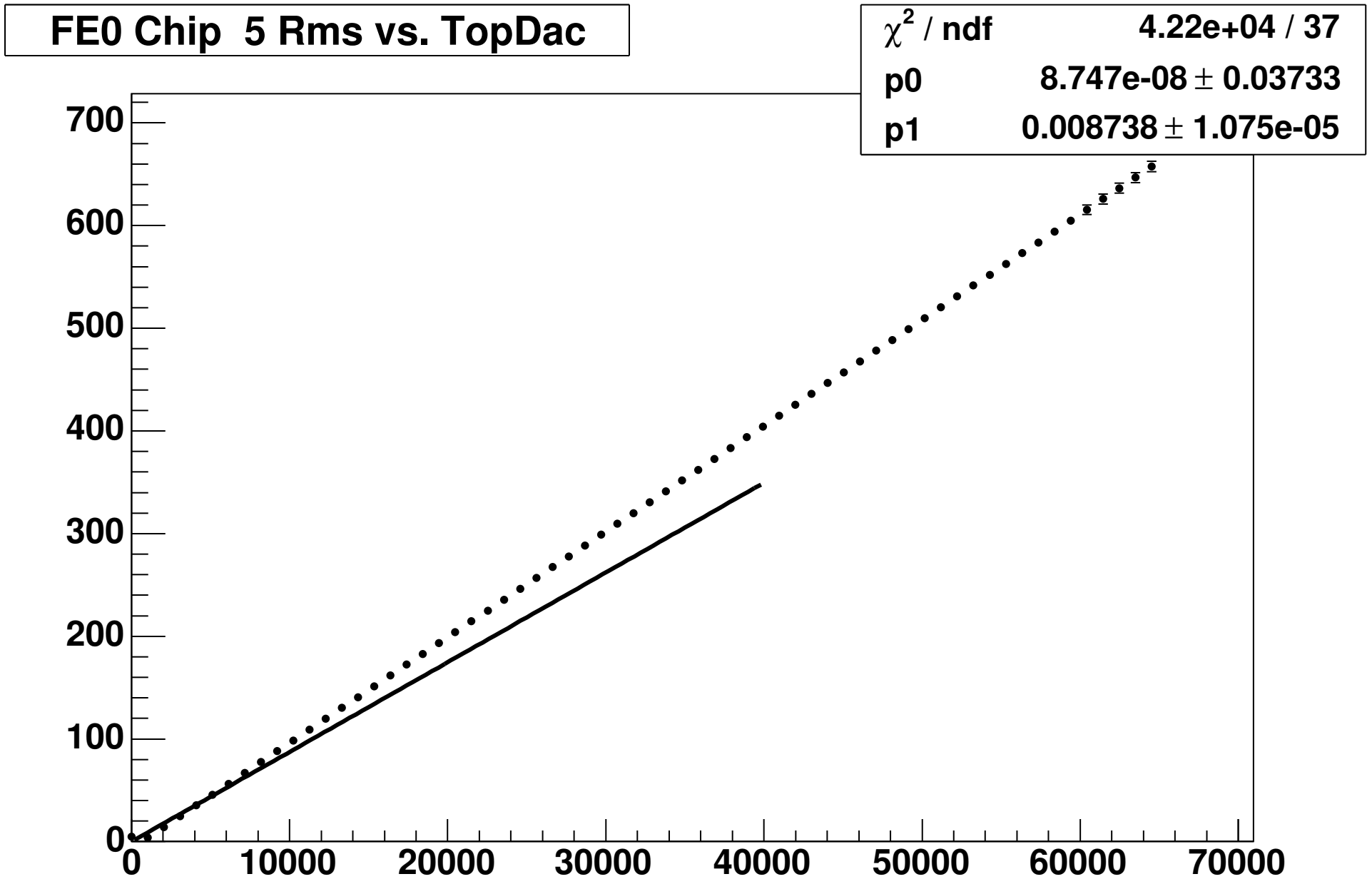
FE0 Chip 5 Rms vs. TopDac
χ² / ndf 4.22e+04 / 37
p0 8.747e-08 ± 0.03733
p1 0.008738 ± 1.075e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
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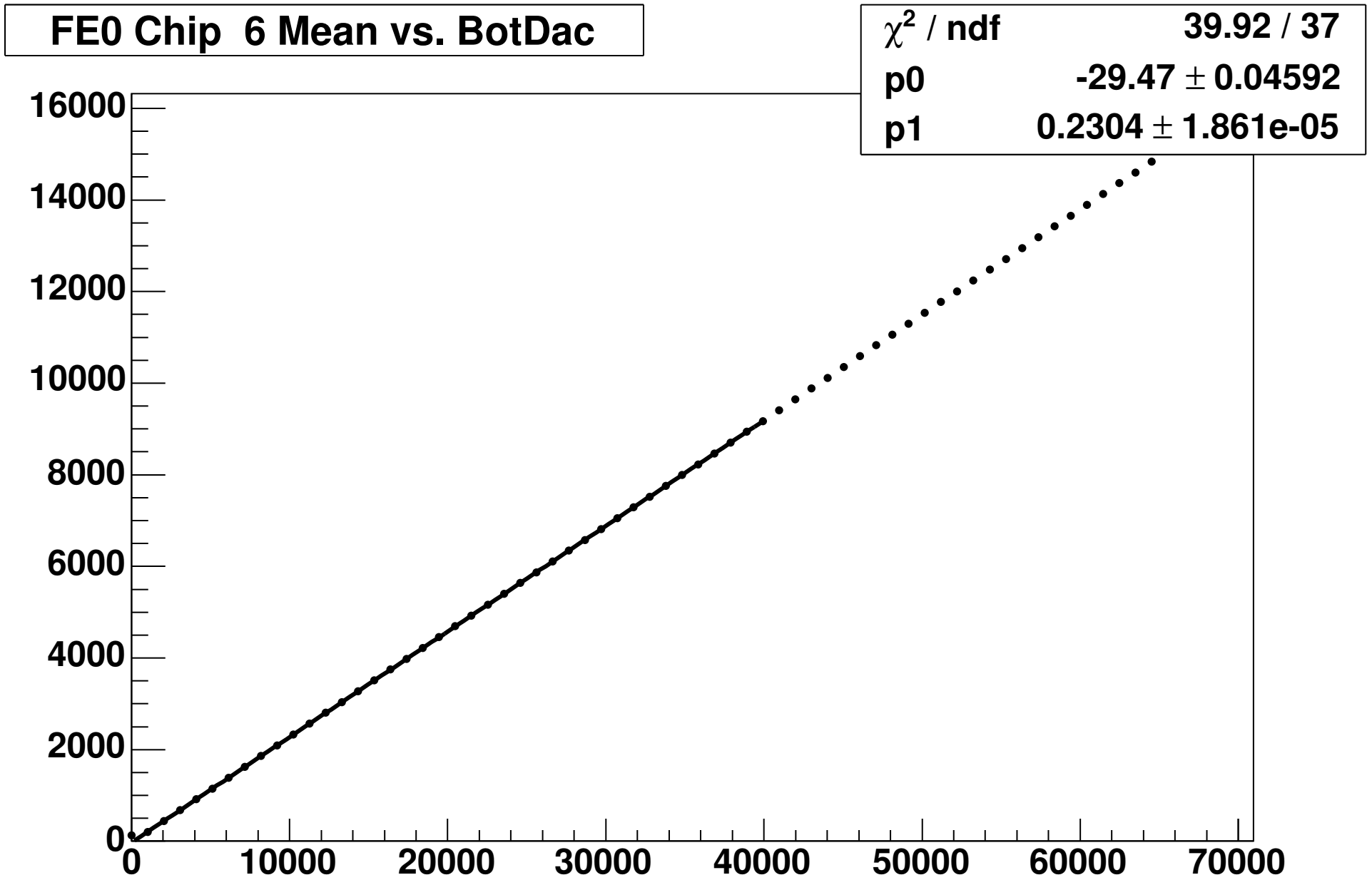
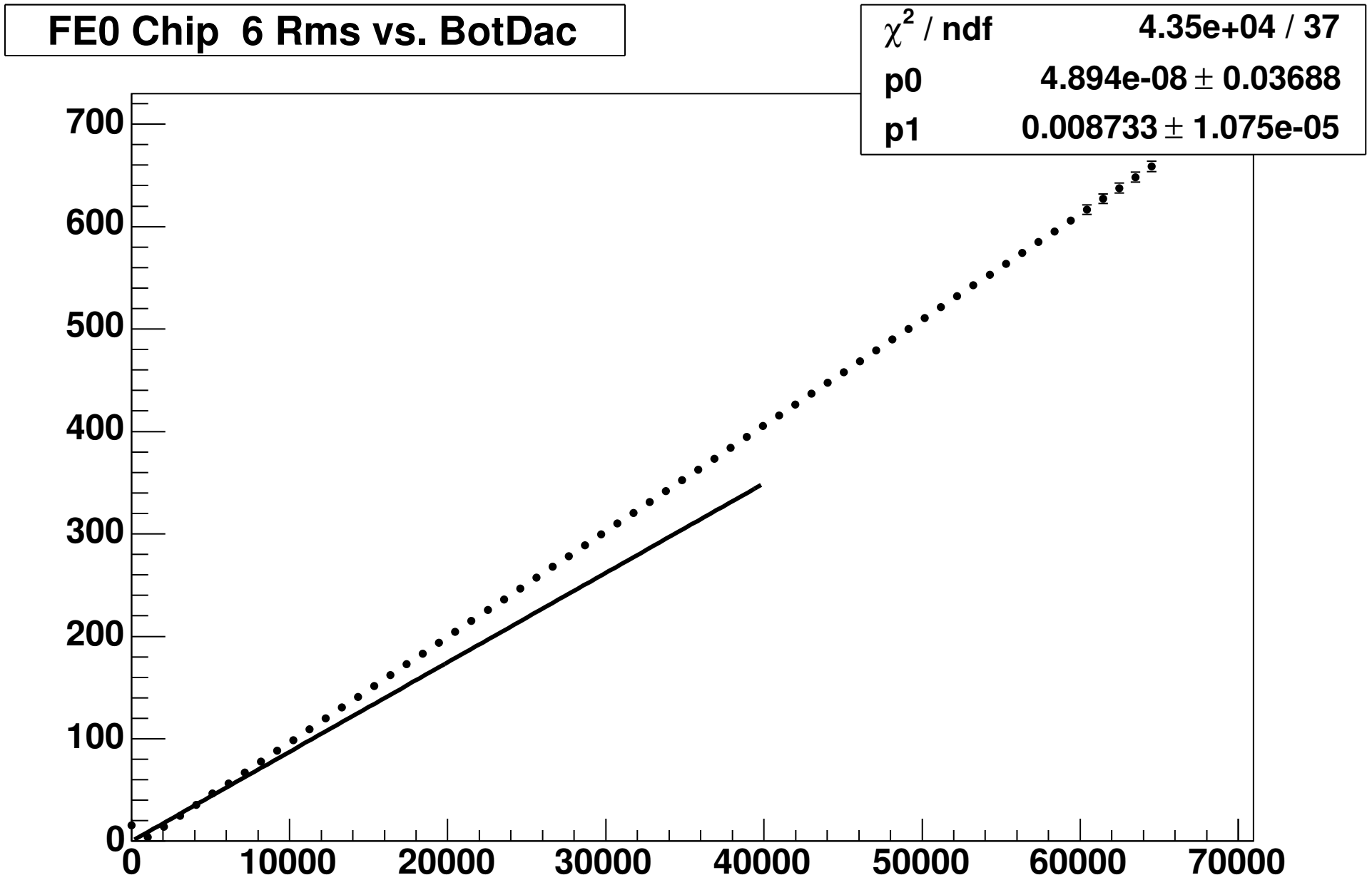
70000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 39.92 / 37
p0 -29.47 ± 0.04592
p1 0.2304 ± 1.861e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 4.35e+04 / 37
p0 4.894e-08 ± 0.03688
p1 0.008733 ± 1.075e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
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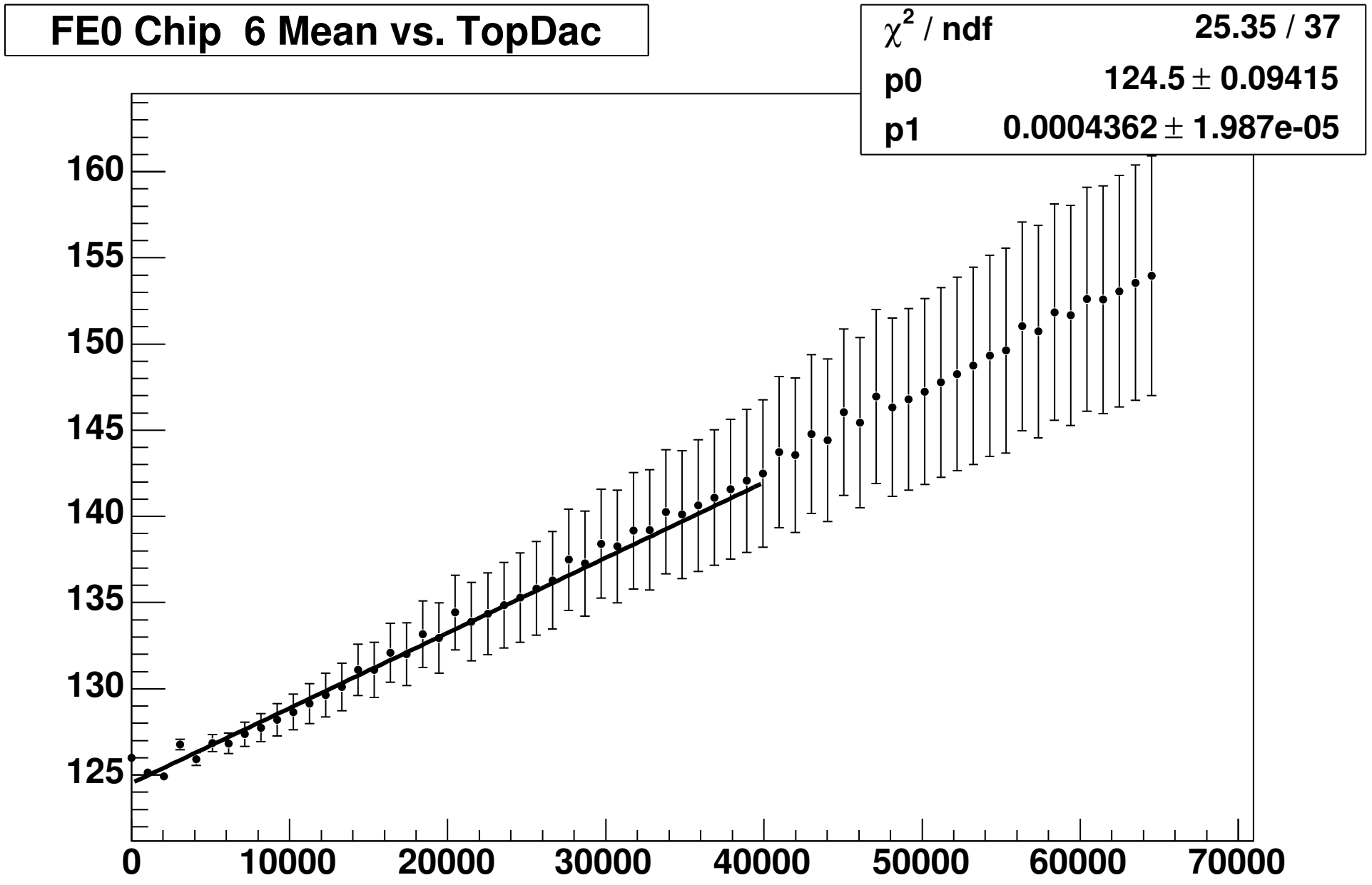
50000
60000
70000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 25.35 / 37
p0 124.5 ± 0.09415
p1 0.0004362 ± 1.987e-05
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155
150
145
140
135
130
125
0
10000
20000
30000
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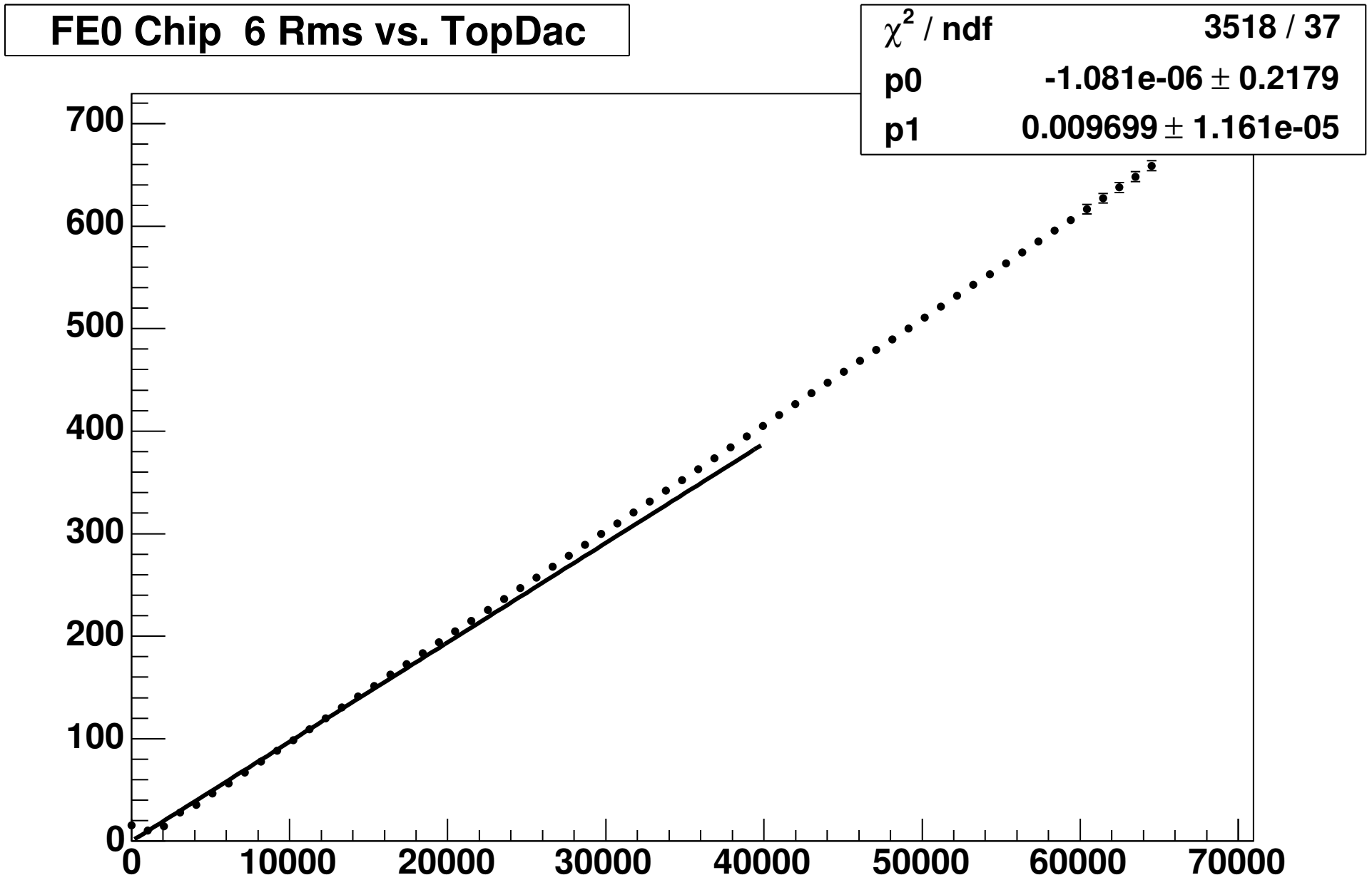
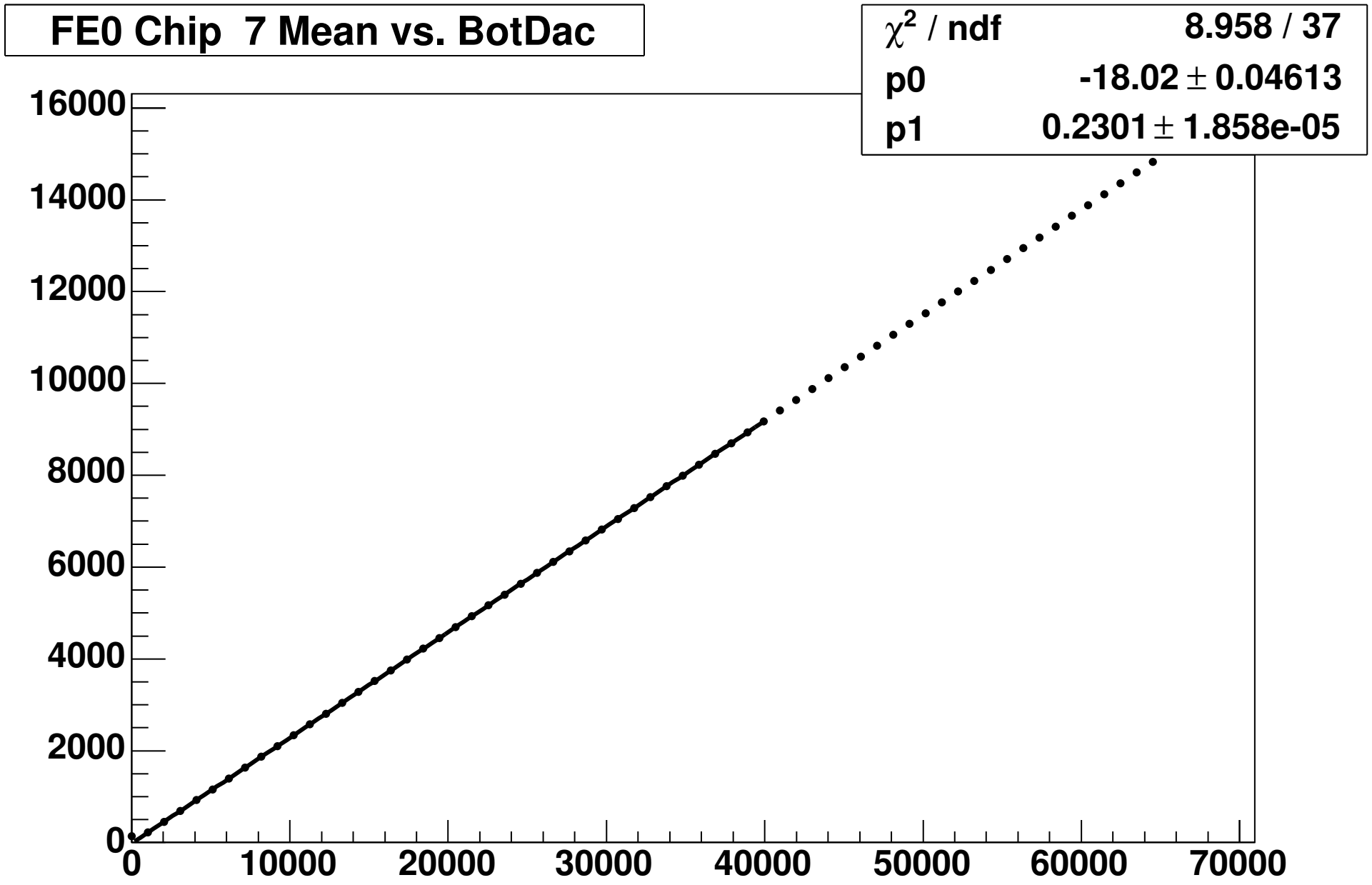
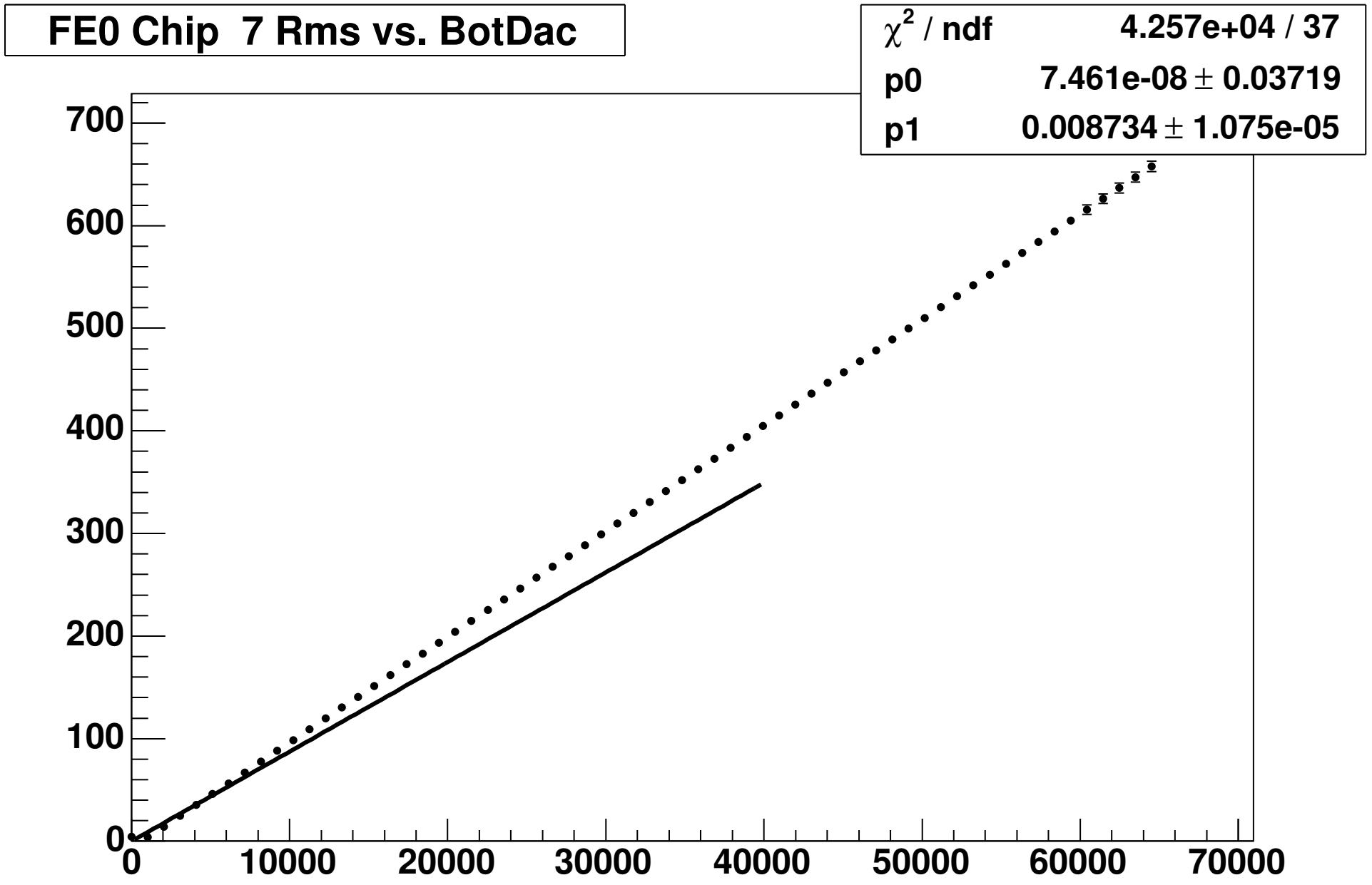
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 3518 / 37
p0 -1.081e-06 ± 0.2179
p1 0.009699 ± 1.161e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 8.958 / 37
p0 -18.02 ± 0.04613
p1 0.2301 ± 1.858e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 4.257e+04 / 37
p0 7.461e-08 ± 0.03719
p1 0.008734 ± 1.075e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
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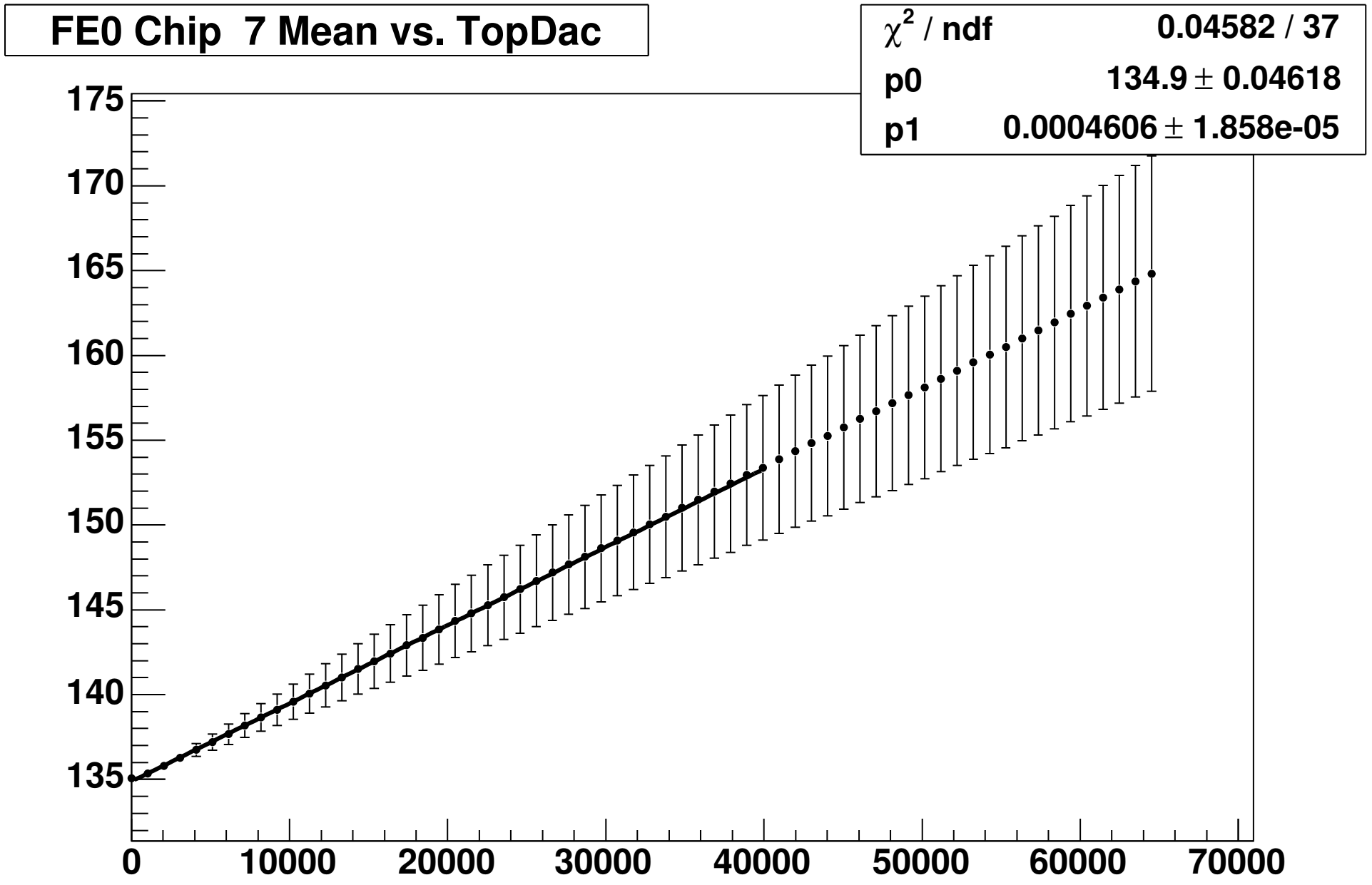
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 0.04582 / 37
p0 134.9 ± 0.04618
p1 0.0004606 ± 1.858e-05
175
170
165
160
155
150
145
140
135
0
10000
20000
30000
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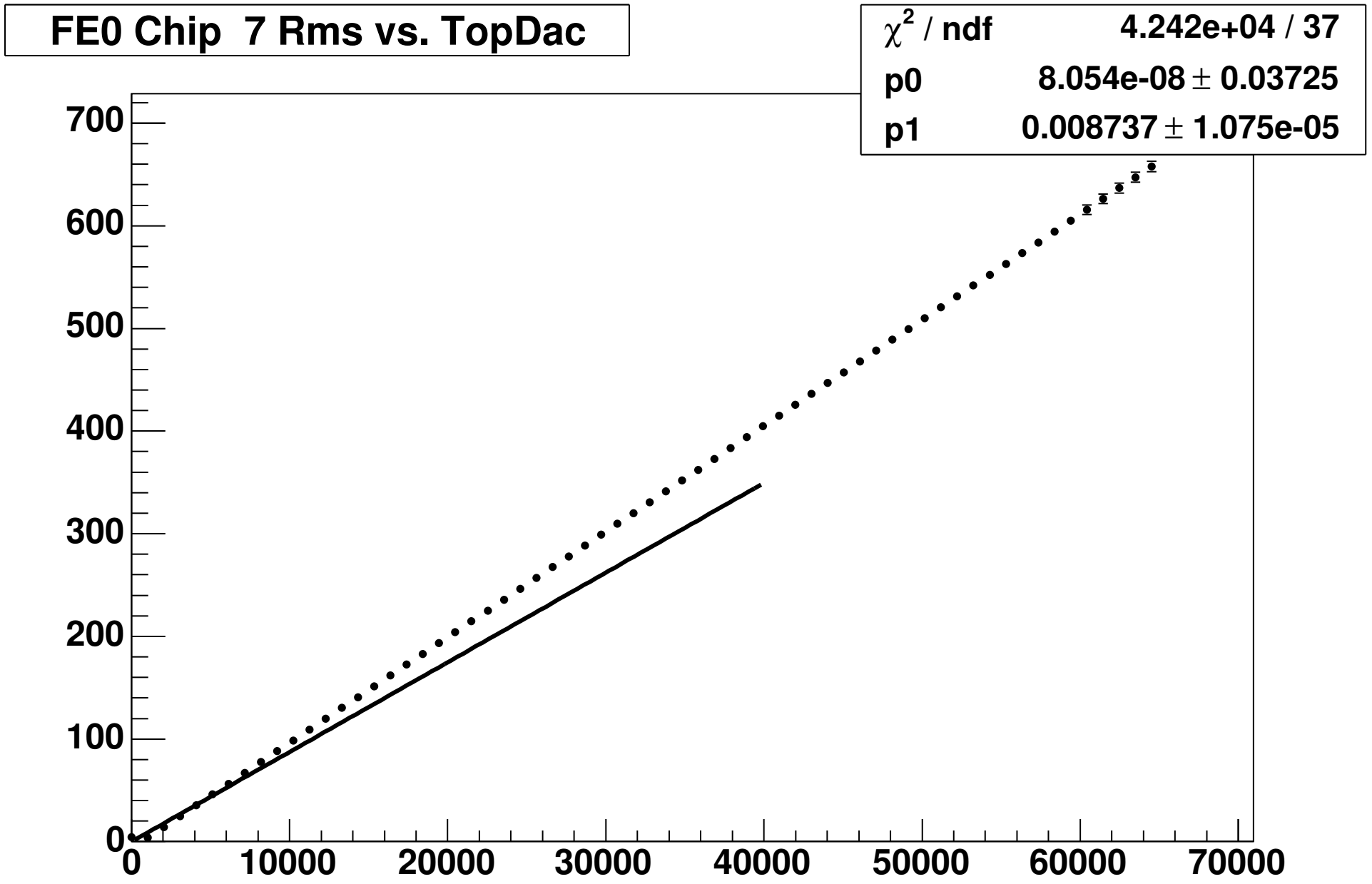
FE0 Chip 7 Rms vs. TopDac
χ² / ndf 4.242e+04 / 37
p0 8.054e-08 ± 0.03725
p1 0.008737 ± 1.075e-05
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500
400
300
200
100
0
0
10000
20000
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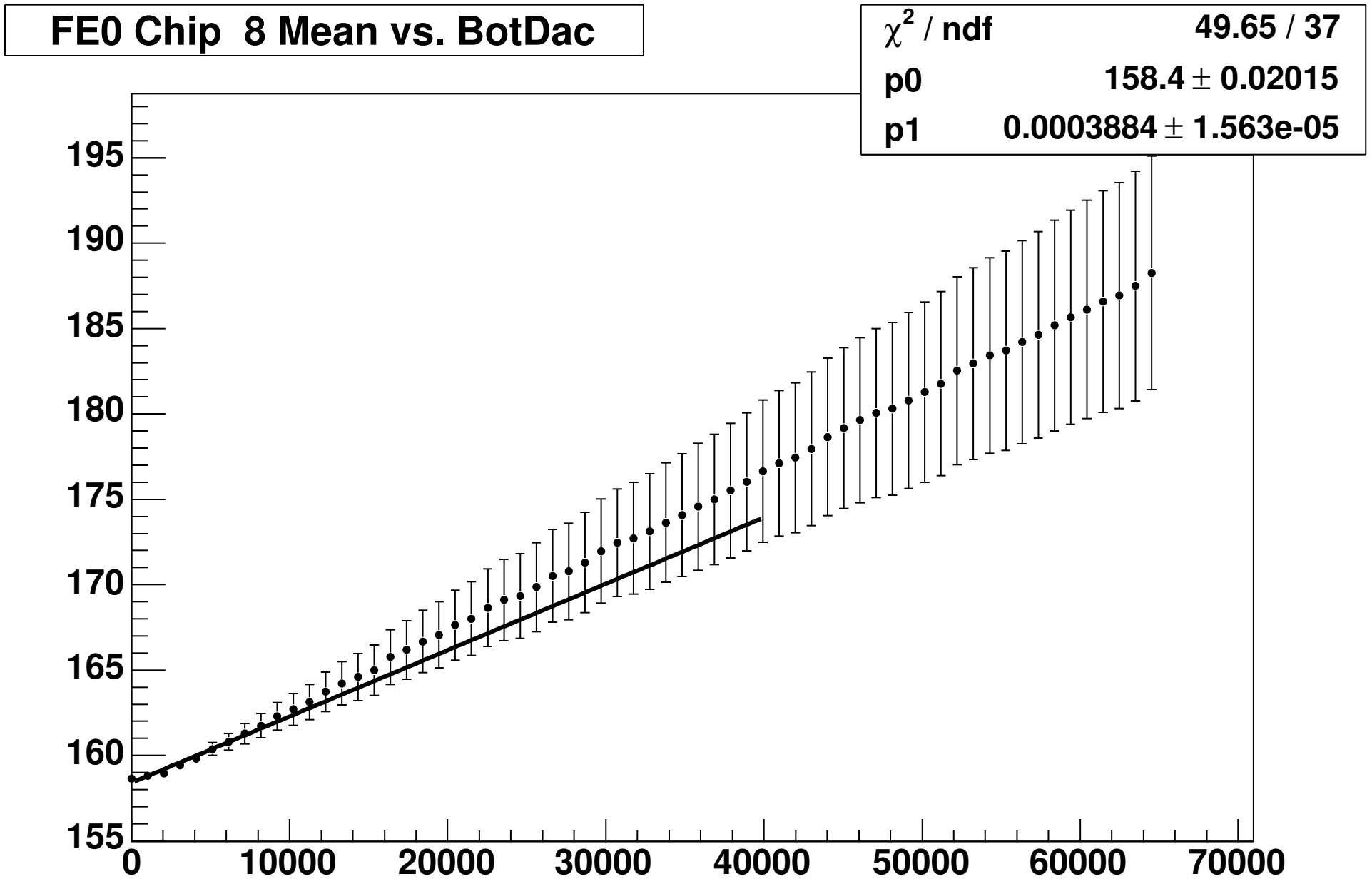
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 49.65 / 37
p0 158.4 ± 0.02015
p1 0.0003884 ± 1.563e-05
195
190
185
180
175
170
165
160
155
0
10000
20000
30000
40000
50000
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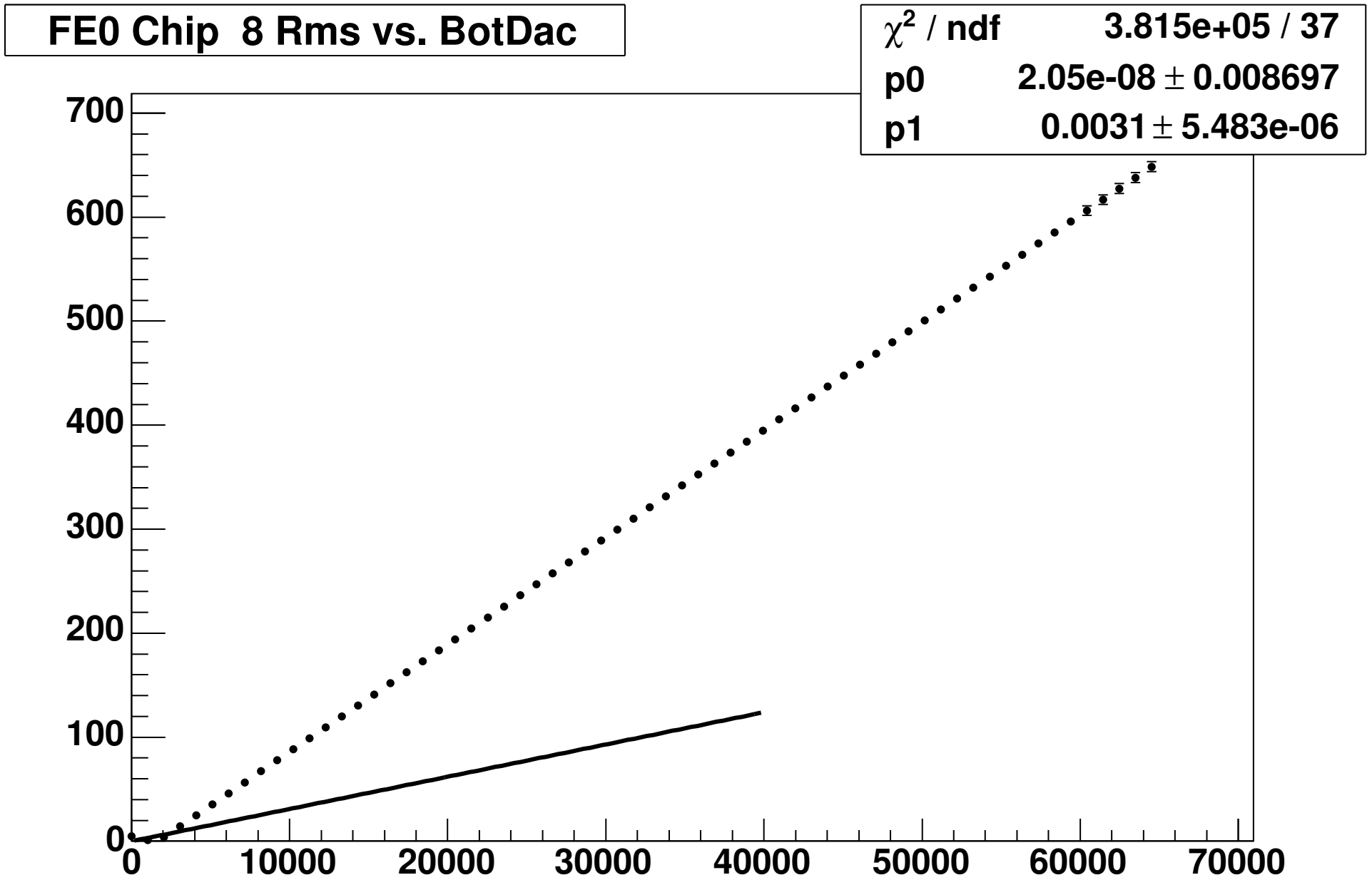
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 3.815e+05 / 37
p0 2.05e-08 ± 0.008697
p1 0.0031 ± 5.483e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
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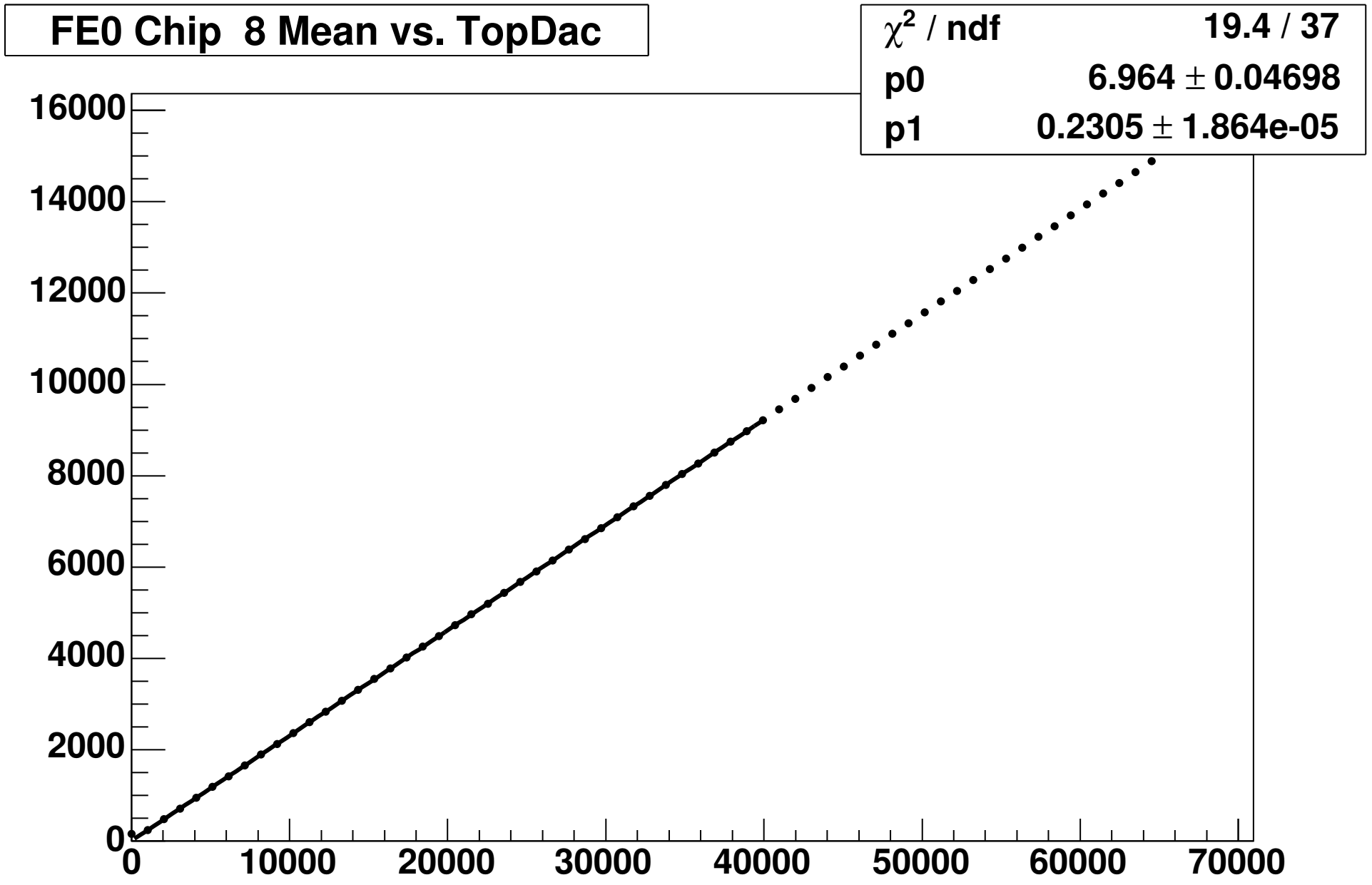
60000
70000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 19.4 / 37
p0 6.964 ± 0.04698
p1 0.2305 ± 1.864e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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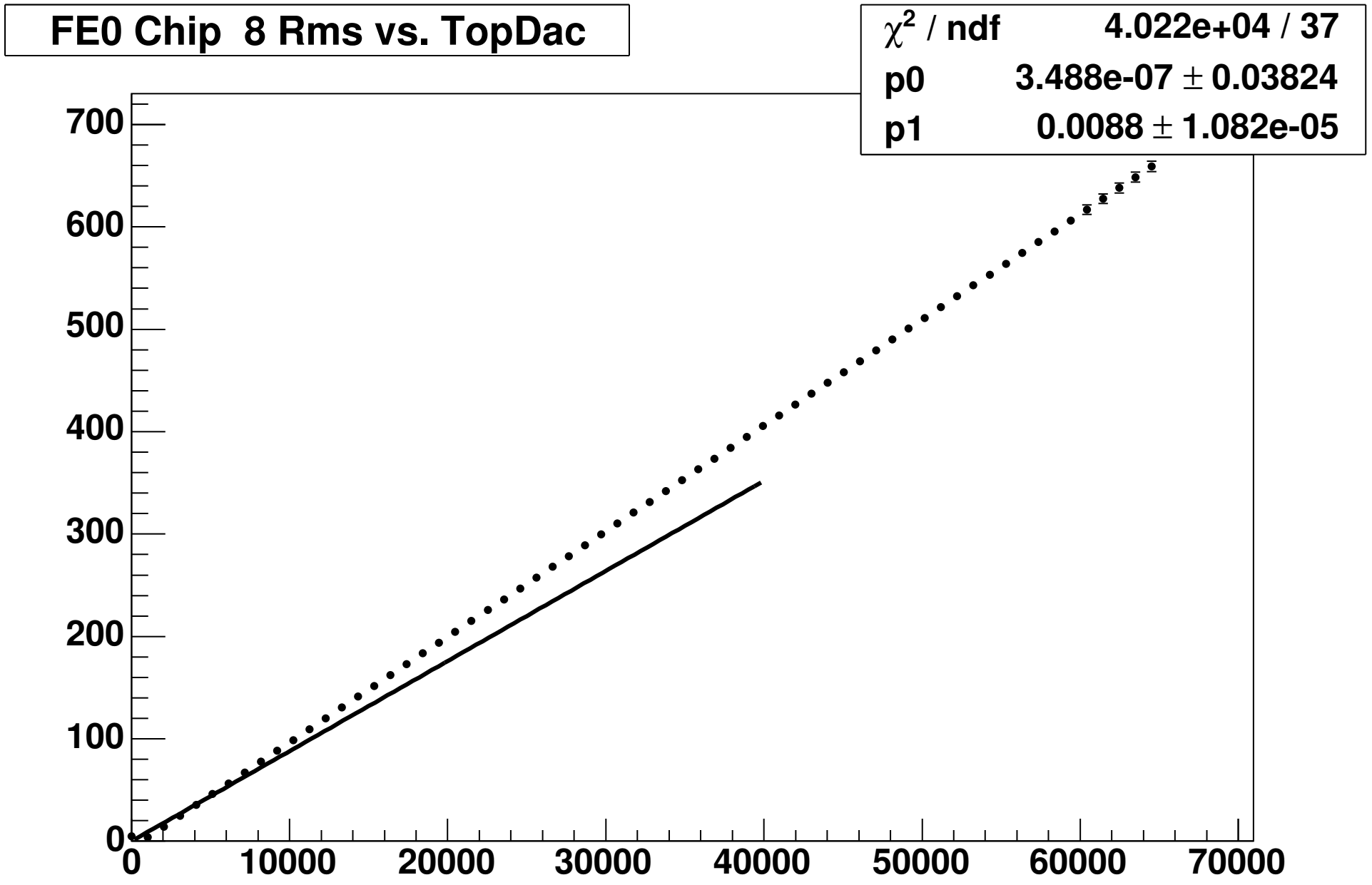
FE0 Chip 8 Rms vs. TopDac
χ² / ndf 4.022e+04 / 37
p0 3.488e-07 ± 0.03824
p1 0.0088 ± 1.082e-05
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600
500
400
300
200
100
0
0
10000
20000
30000
40000
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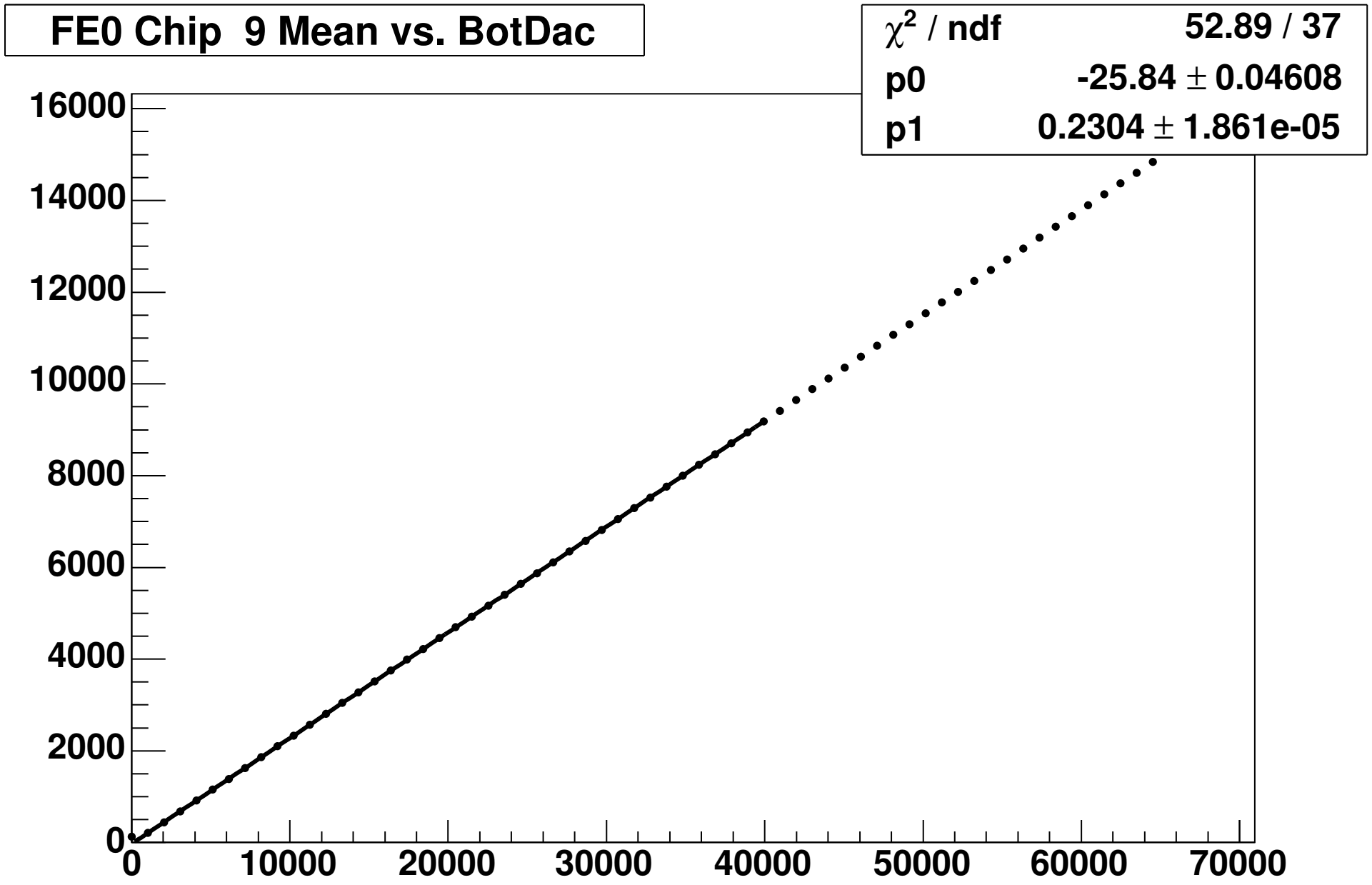
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 52.89 / 37
p0 -25.84 ± 0.04608
p1 0.2304 ± 1.861e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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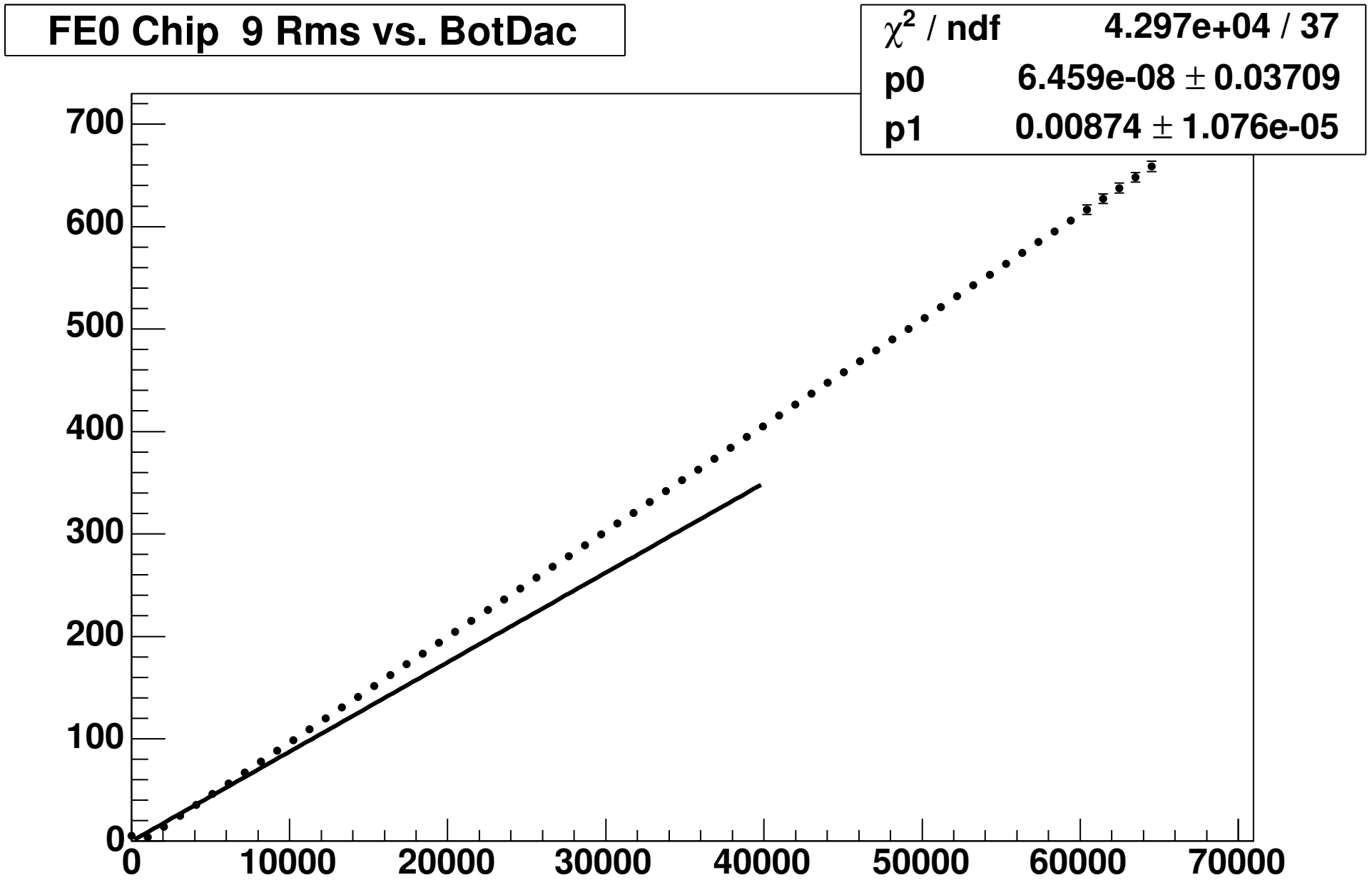
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 4.297e+04 / 37
p0 6.459e-08 ± 0.03709
p1 0.00874 ± 1.076e-05
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600
500
400
300
200
100
0
0
10000
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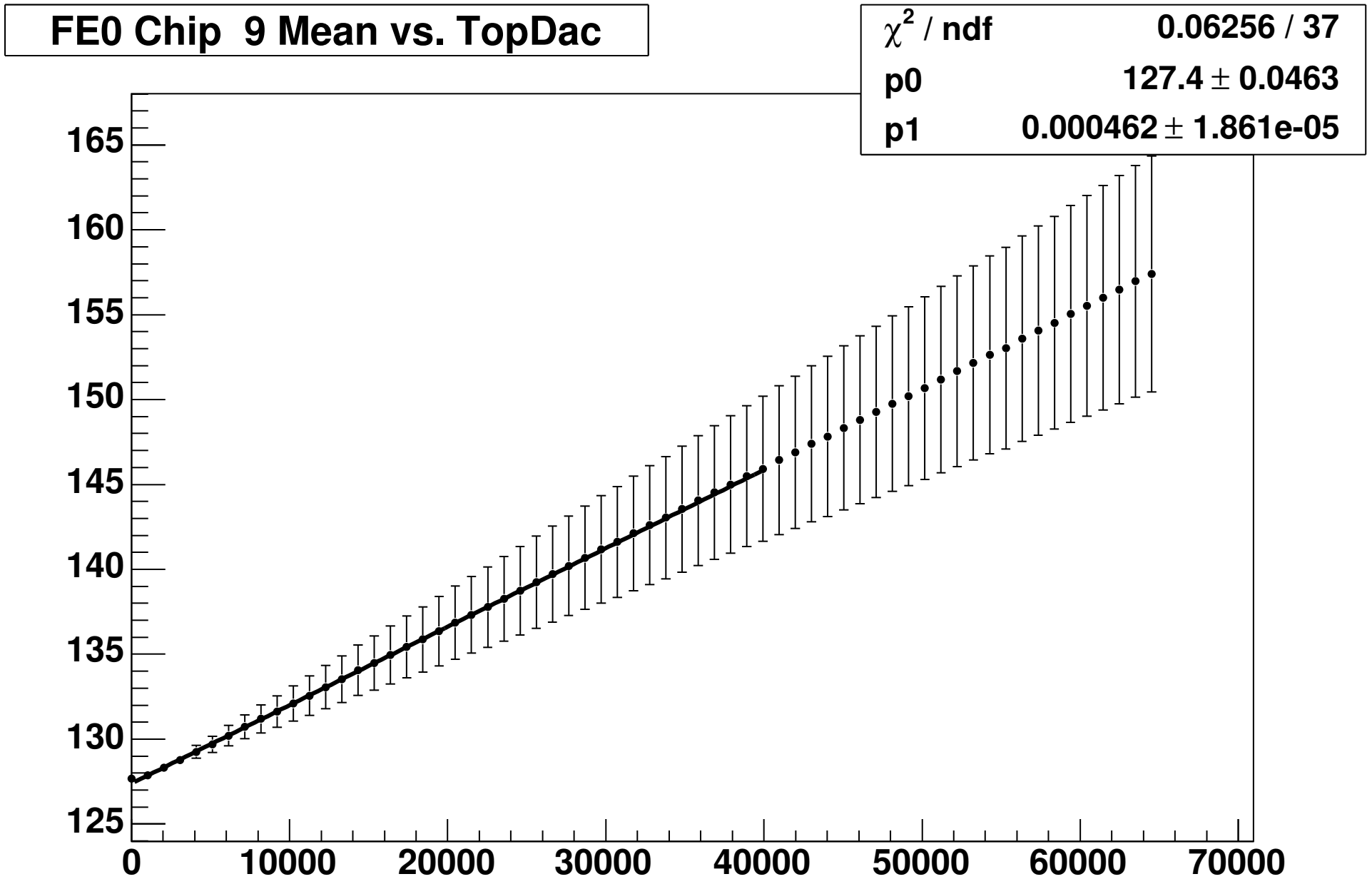
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 0.06256 / 37
p0 127.4 ± 0.0463
p1 0.000462 ± 1.861e-05
165
160
155
150
145
140
135
130
125
0
10000
20000
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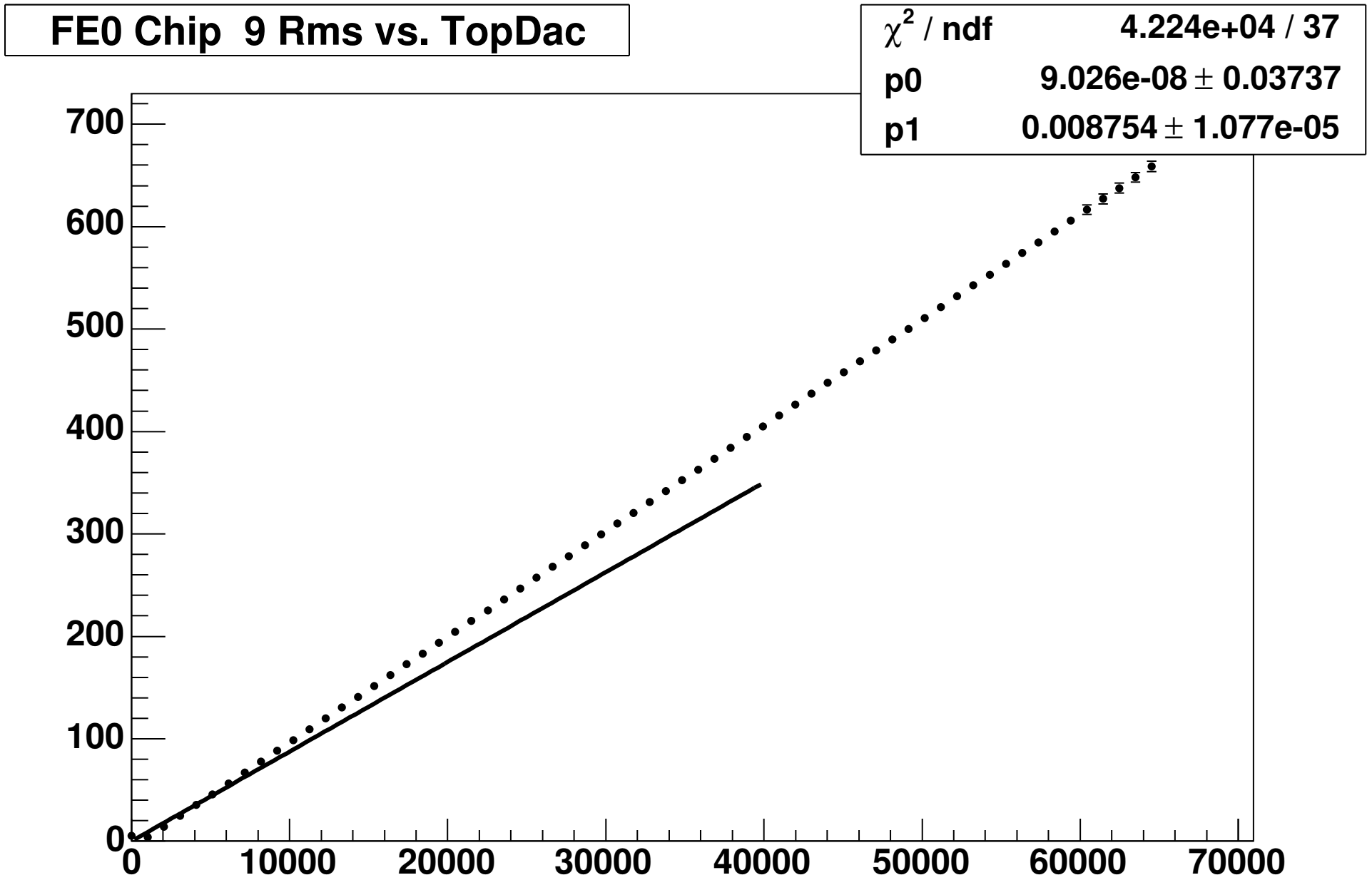
FE0 Chip 9 Rms vs. TopDac
χ² / ndf 4.224e+04 / 37
p0 9.026e-08 ± 0.03737
p1 0.008754 ± 1.077e-05
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600
500
400
300
200
100
0
0
10000
20000
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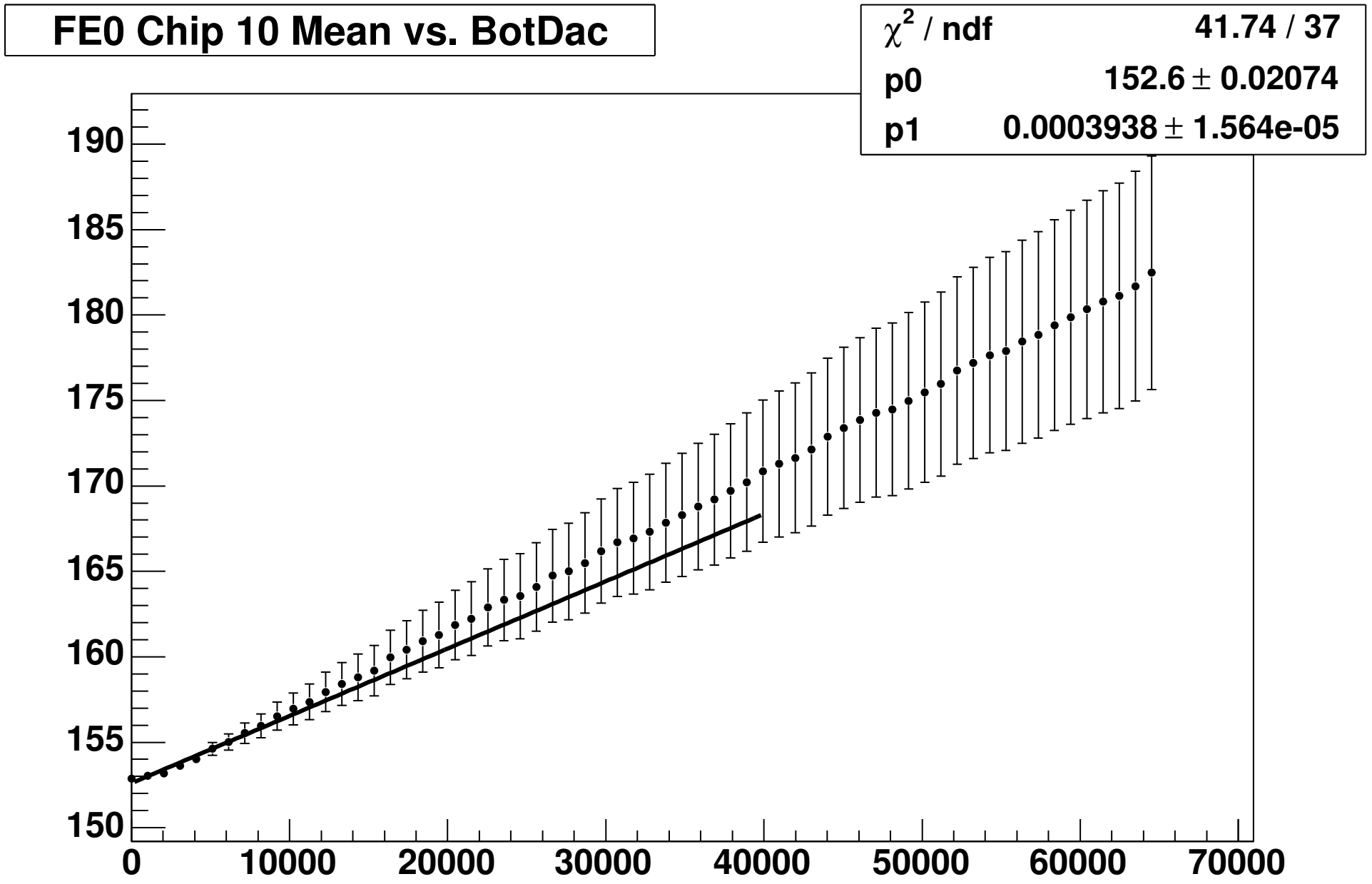
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 41.74 / 37
p0 152.6 ± 0.02074
p1 0.0003938 ± 1.564e-05
190
185
180
175
170
165
160
155
150
0
10000
20000
30000
40000
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60000
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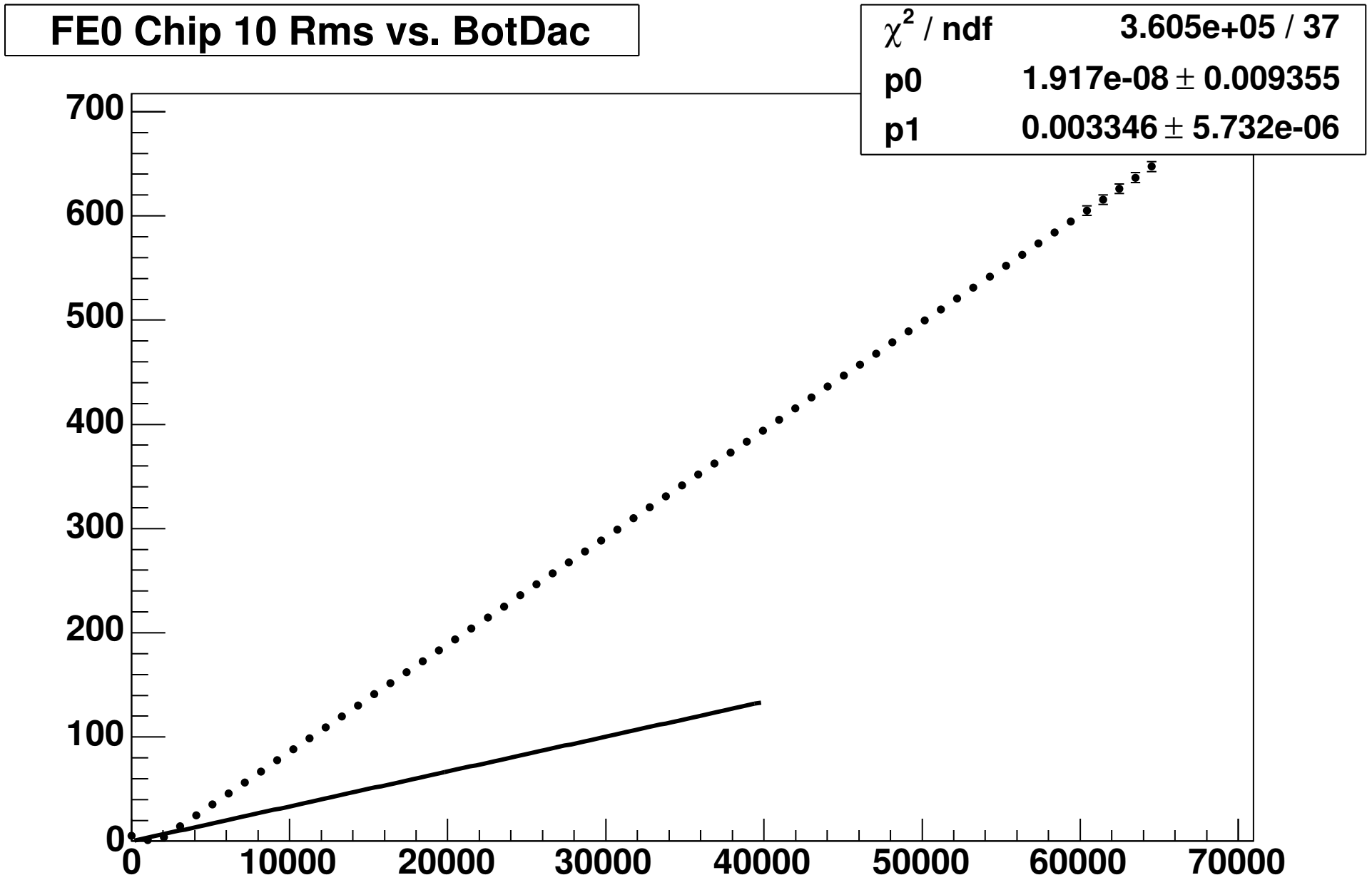
FE0 Chip 10 Rms vs. BotDac
χ² / ndf 3.605e+05 / 37
p0 1.917e-08 ± 0.009355
p1 0.003346 ± 5.732e-06
700
600
500
400
300
200
100
0
0
10000
20000
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40000
50000
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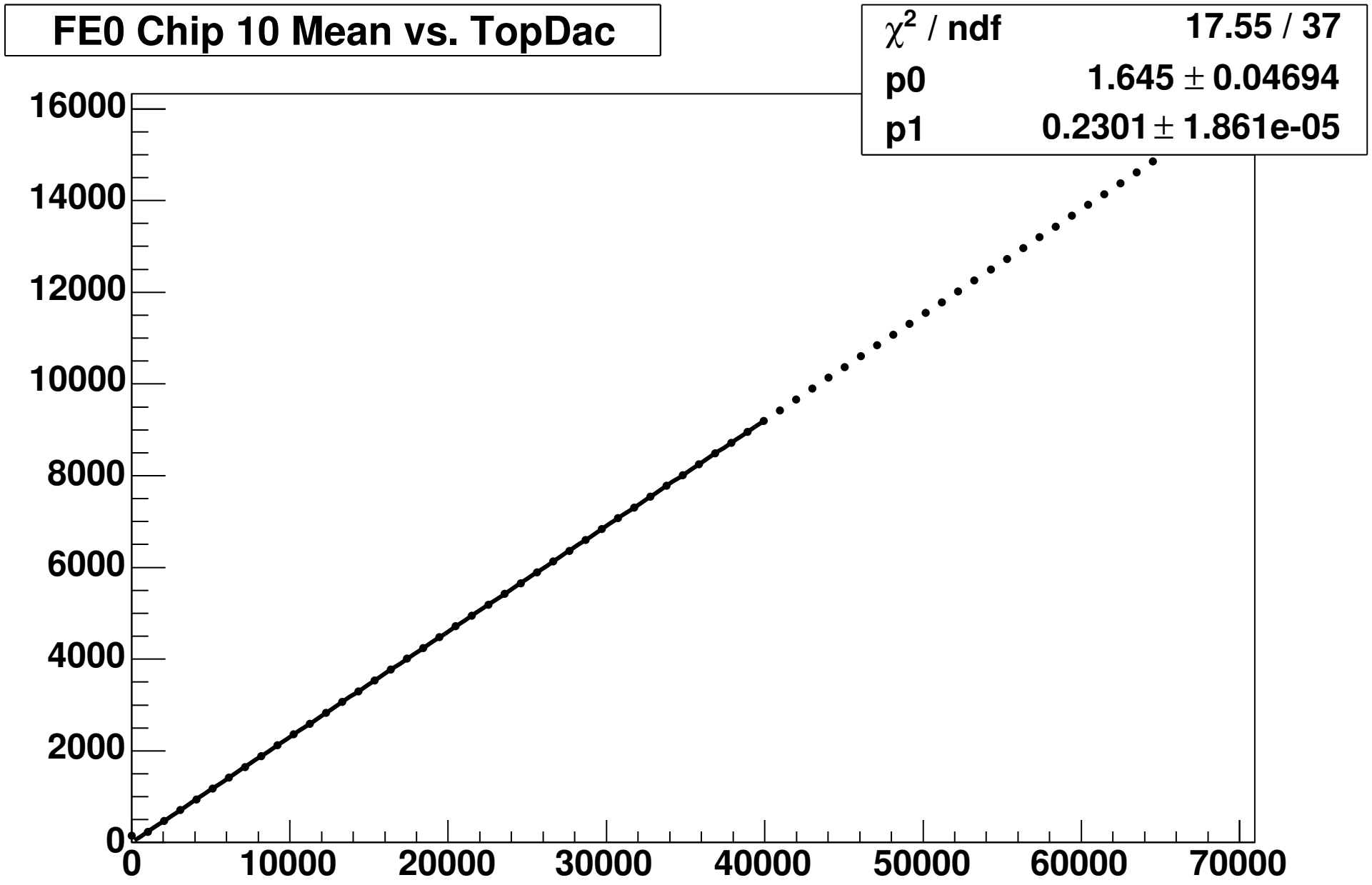
FE0 Chip 10 Mean vs. TopDac
χ² / ndf 17.55 / 37
p0 1.645 ± 0.04694
p1 0.2301 ± 1.861e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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50000
60000
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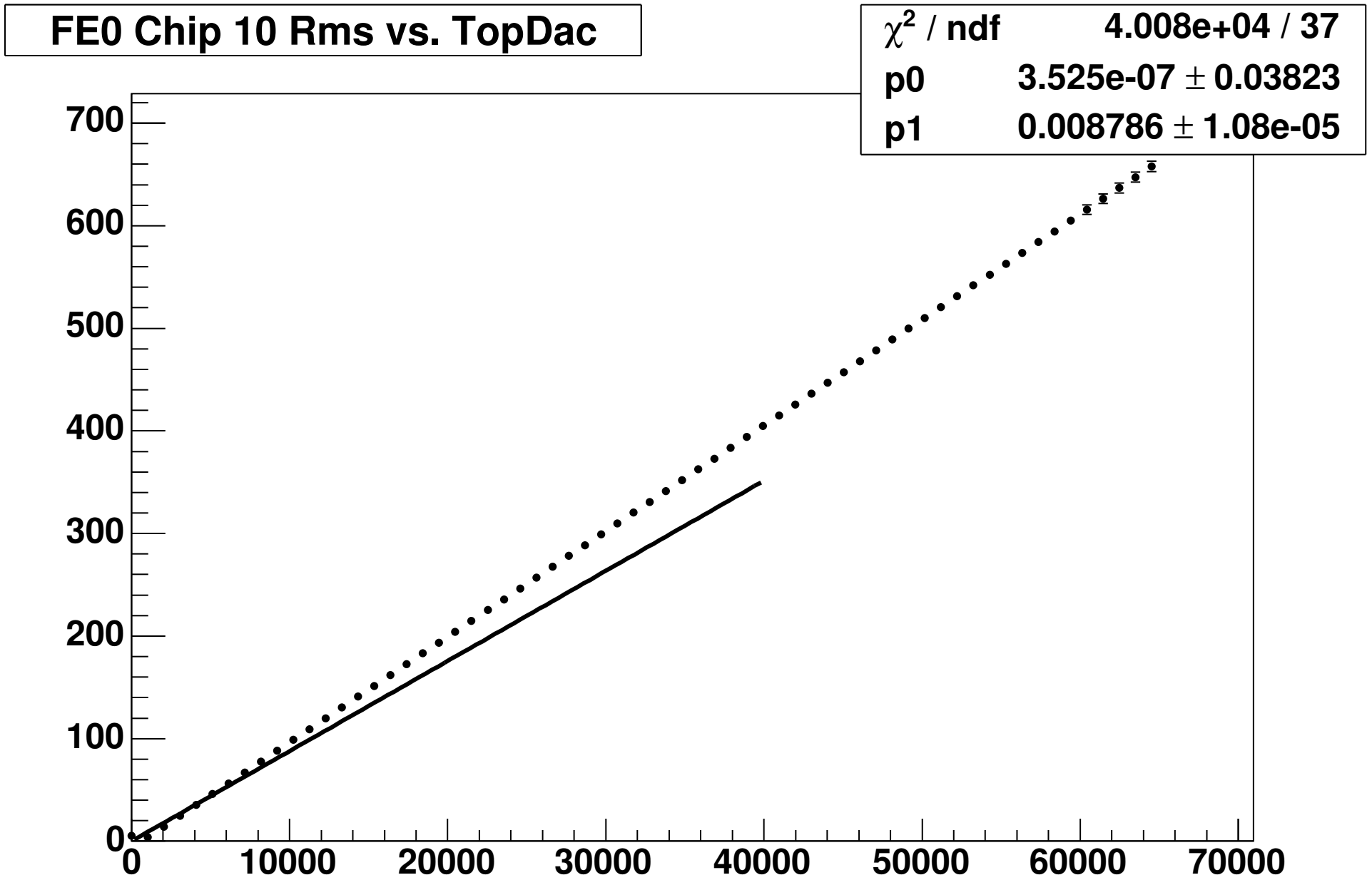
FE0 Chip 10 Rms vs. TopDac
χ² / ndf 4.008e+04 / 37
p0 3.525e-07 ± 0.03823
p1 0.008786 ± 1.08e-05
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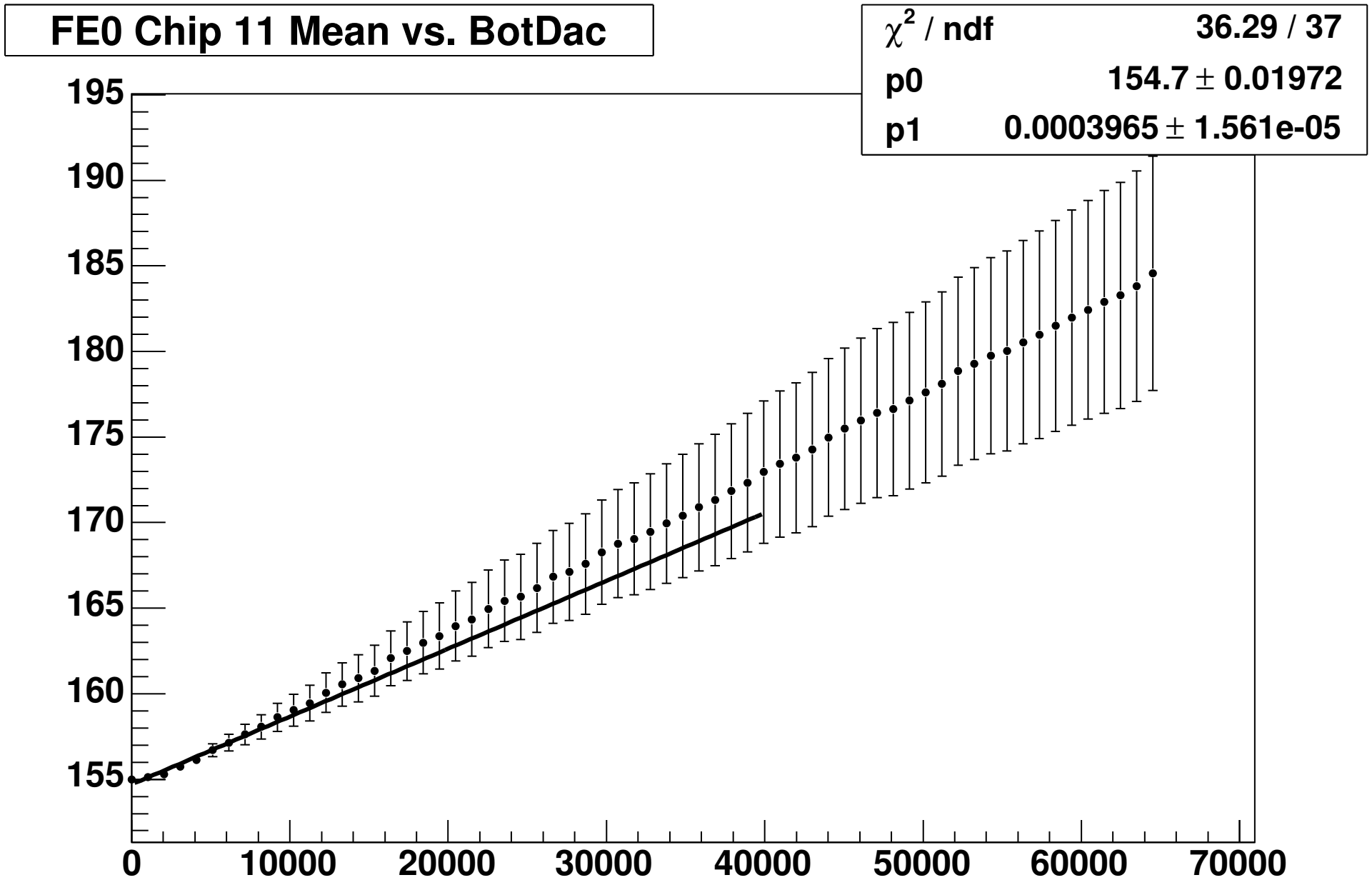
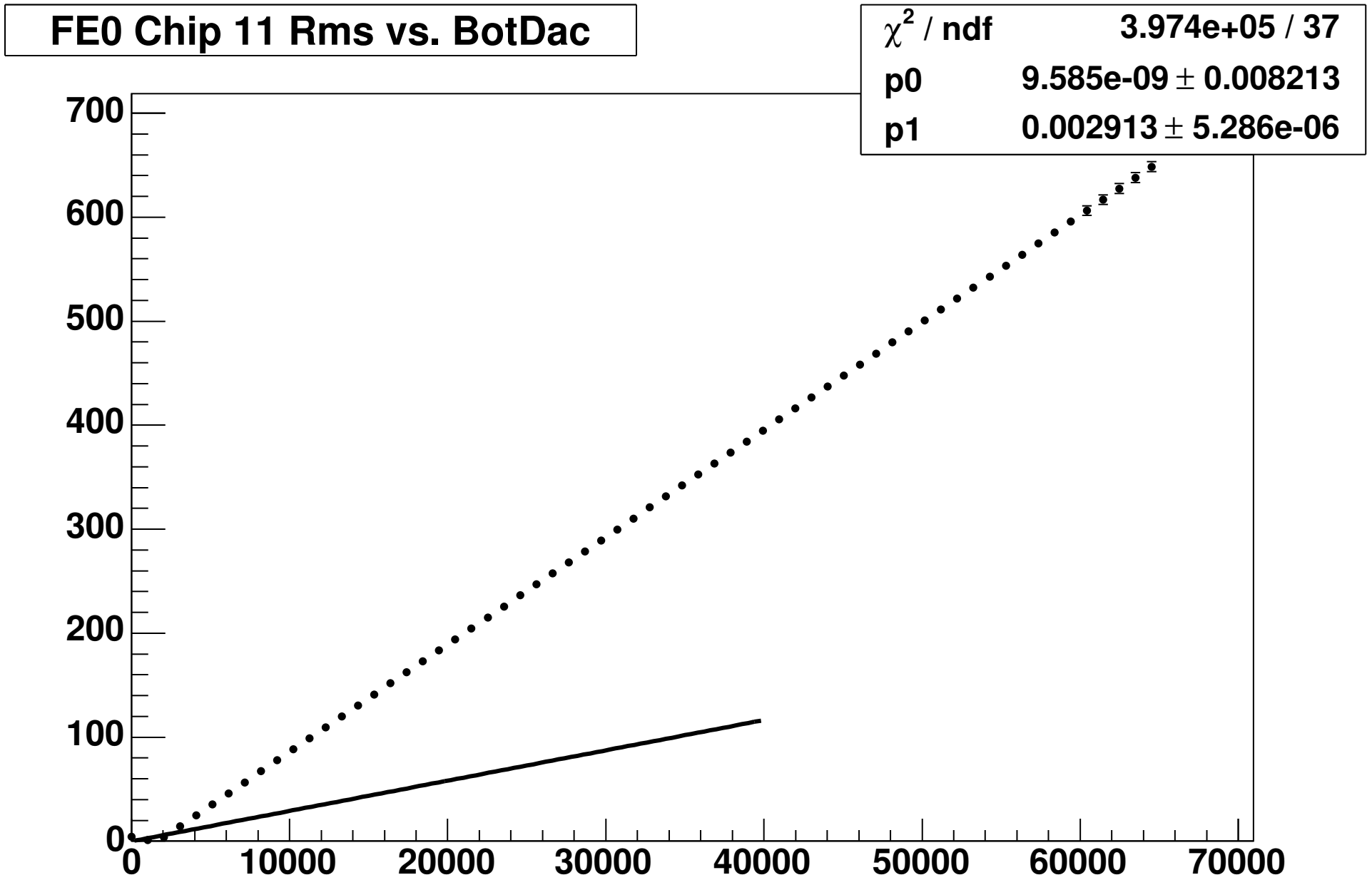
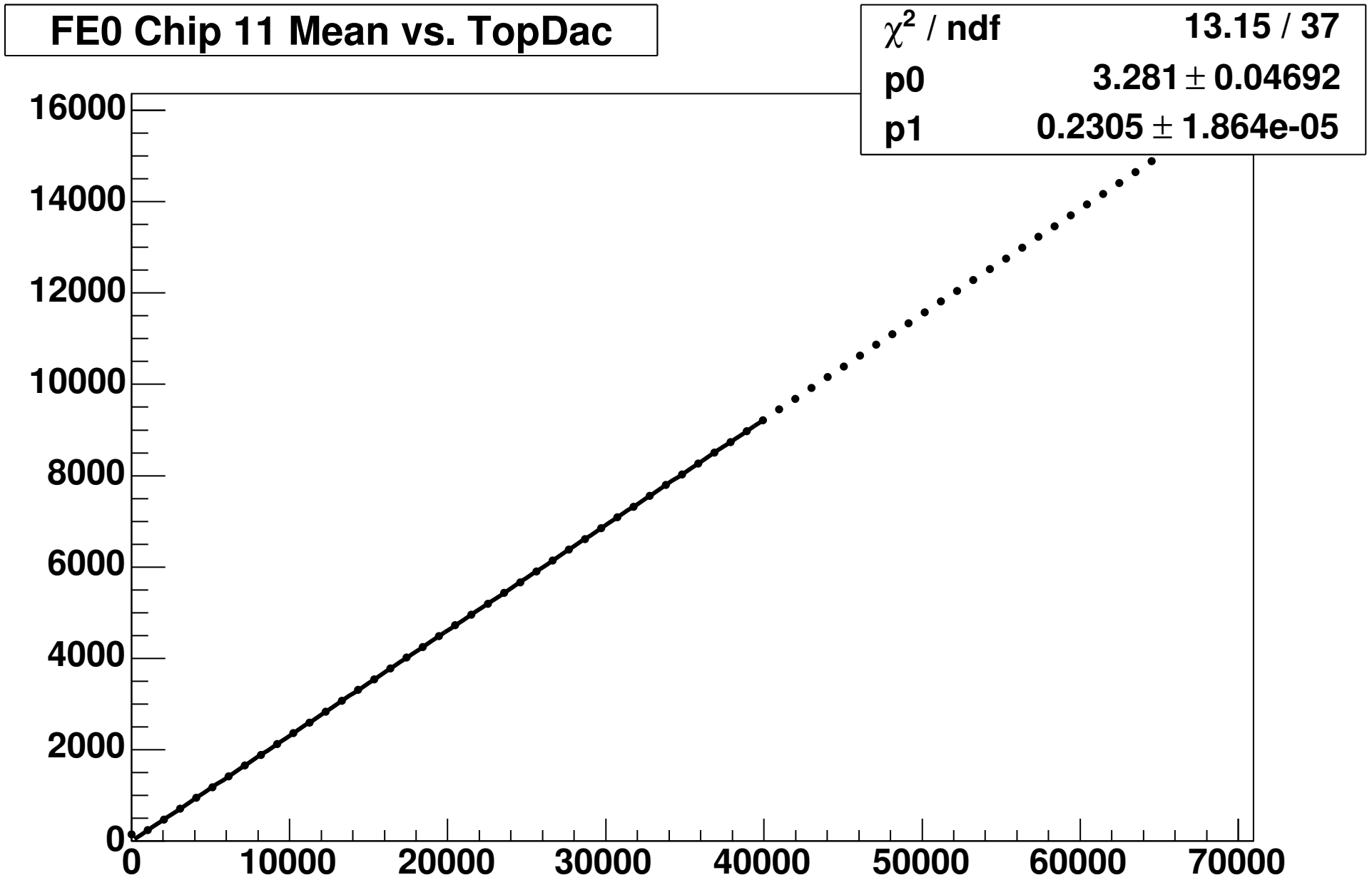
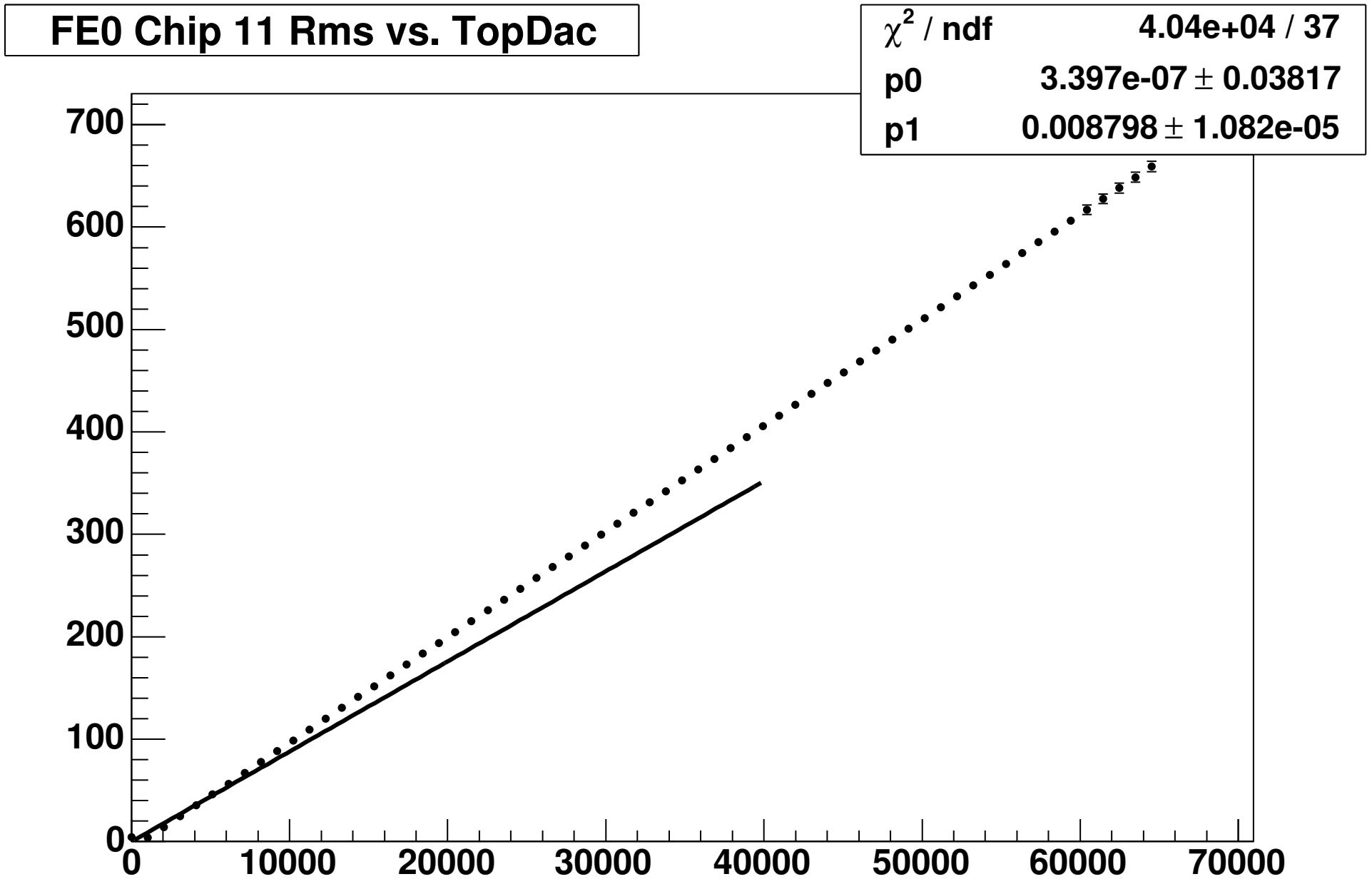
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 36.29 / 37
p0 154.7 ± 0.01972
p1 0.0003965 ± 1.561e-05
195
190
185
180
175
170
165
160
155
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 3.974e+05 / 37
p0 9.585e-09 ± 0.008213
p1 0.002913 ± 5.286e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 13.15 / 37
p0 3.281 ± 0.04692
p1 0.2305 ± 1.864e-05
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 4.04e+04 / 37
p0 3.397e-07 ± 0.03817
p1 0.008798 ± 1.082e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
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50000
60000
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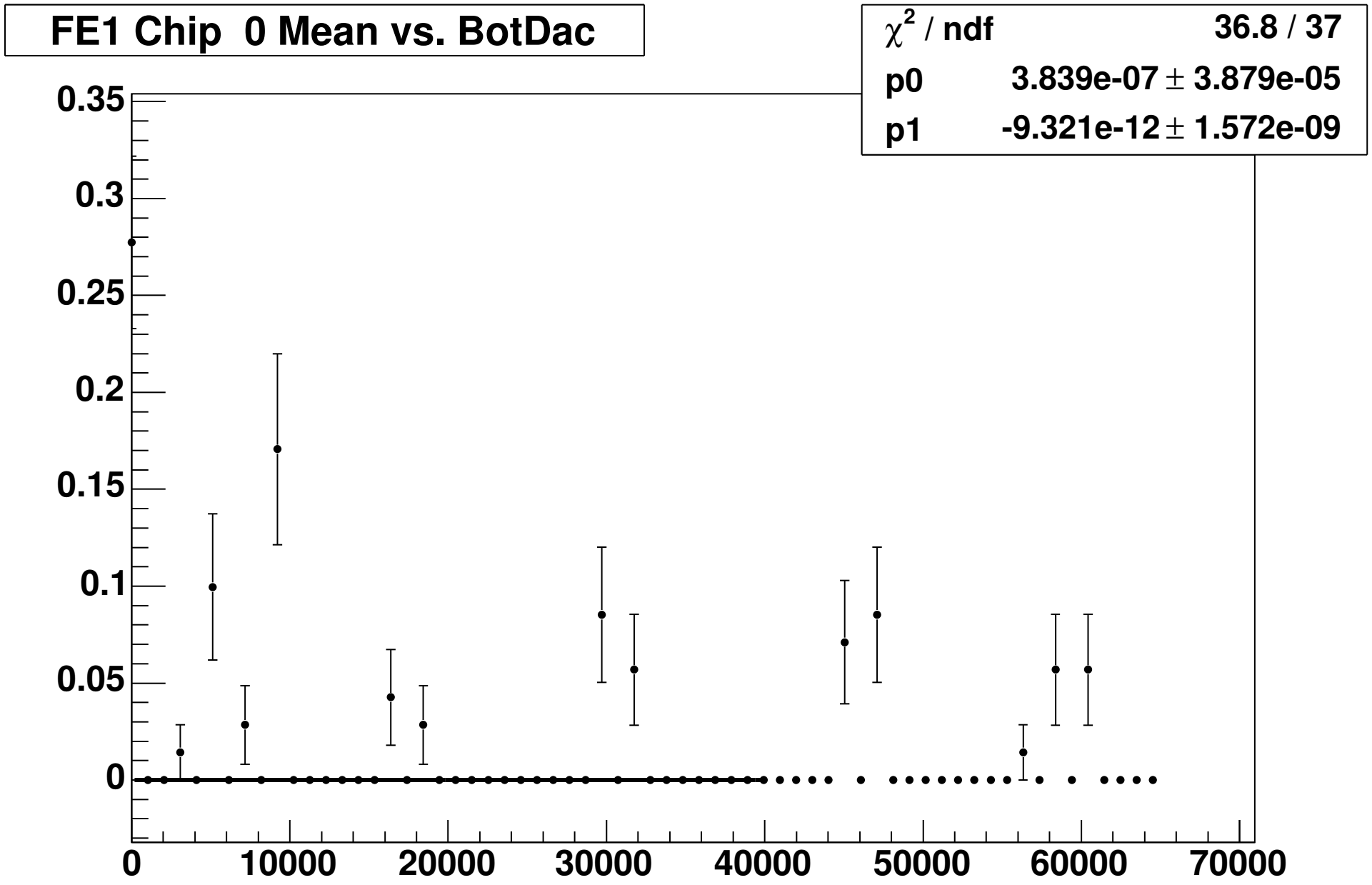
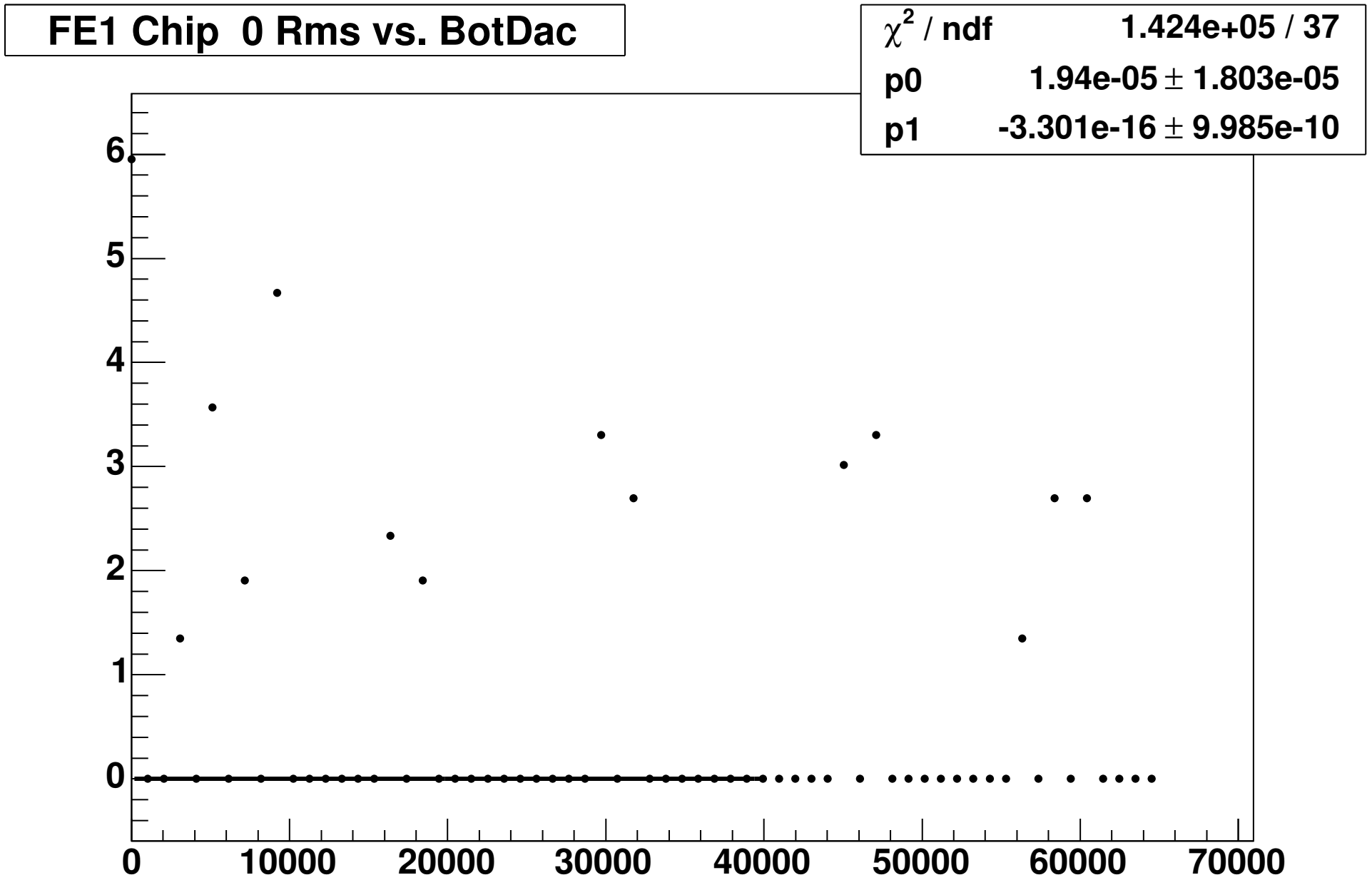
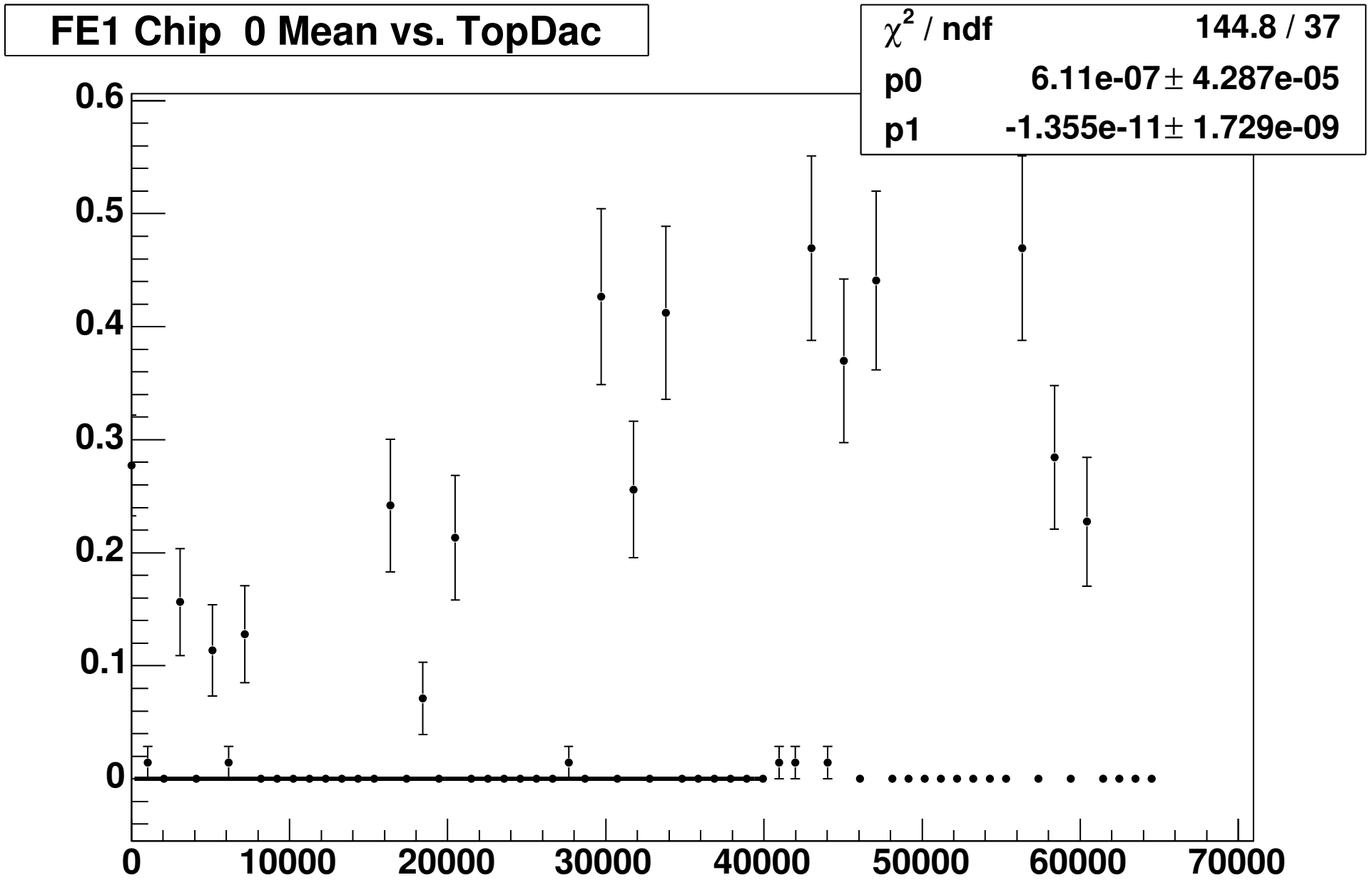
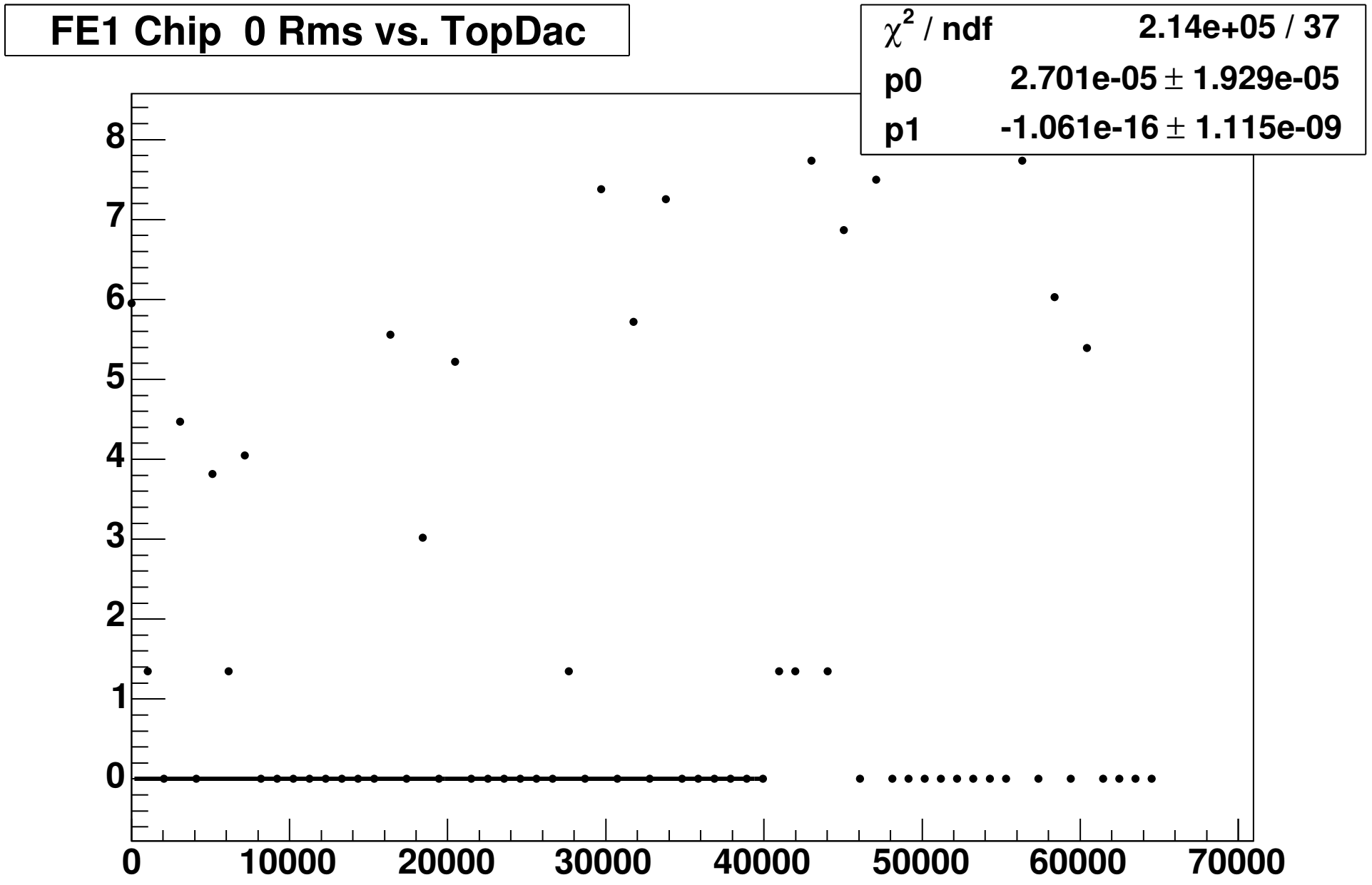
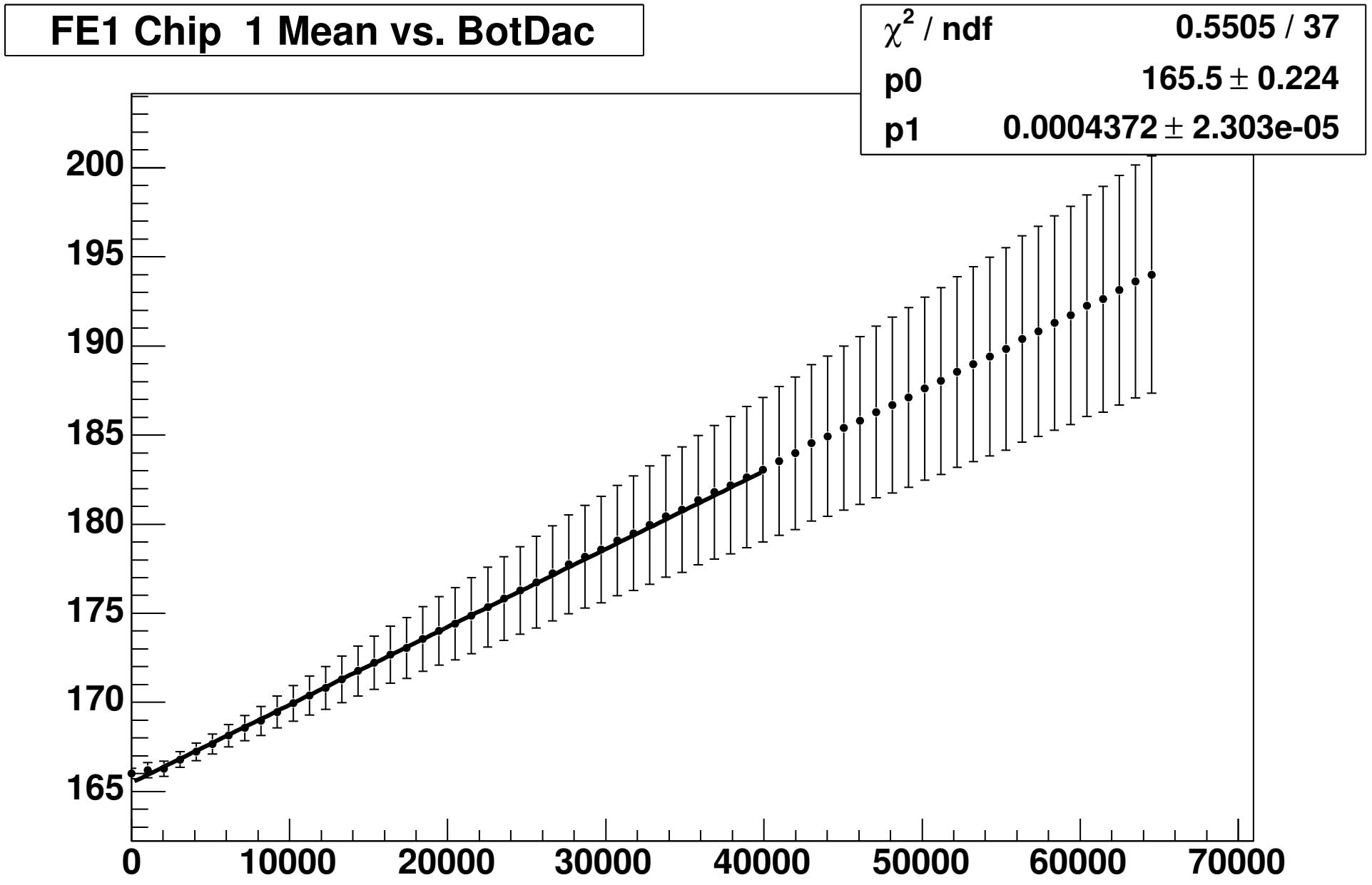
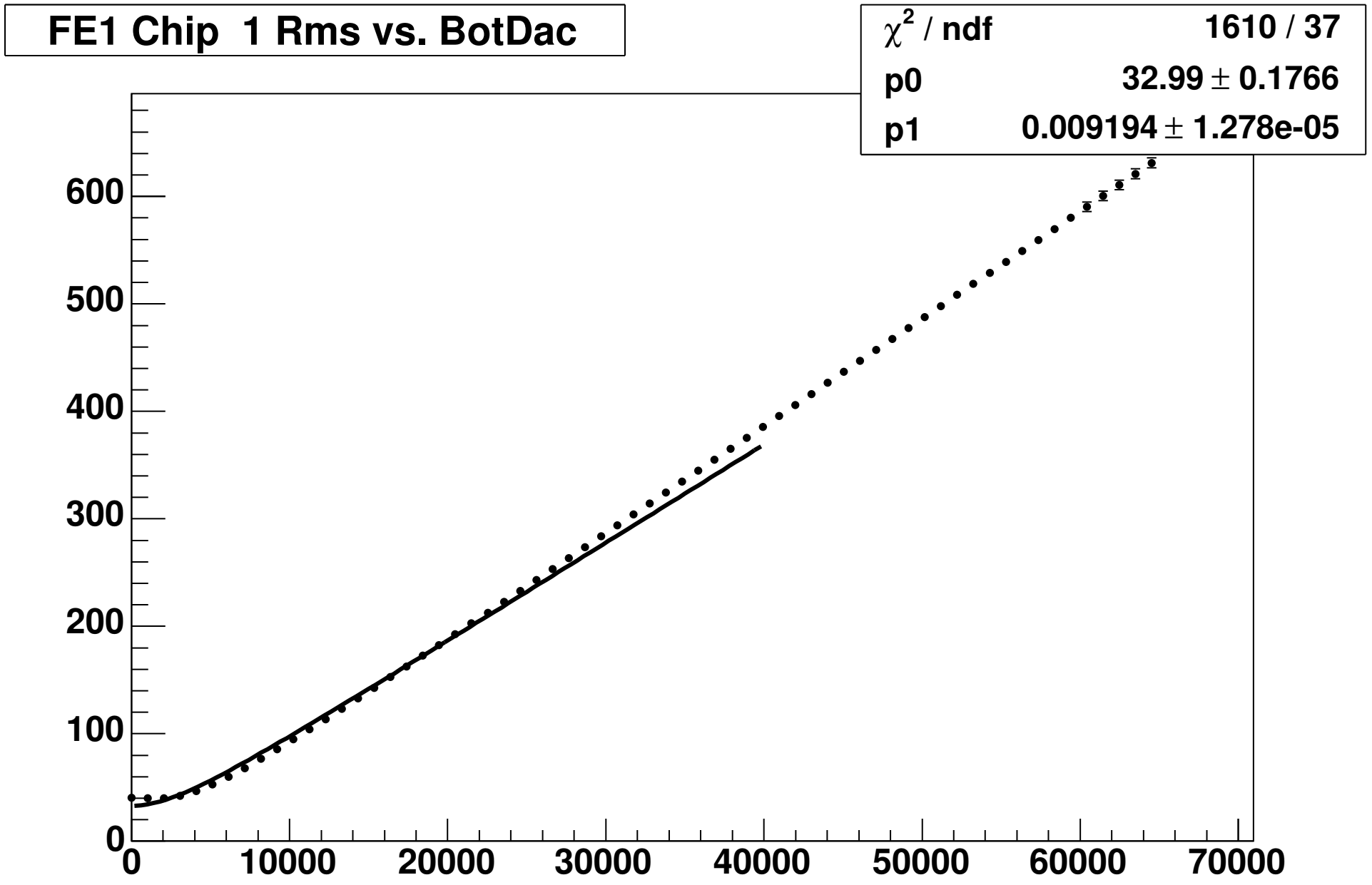

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 36.8 / 37
p0 3.839e-07 ± 3.879e-05
p1 -9.321e-12 ± 1.572e-09
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 1.424e+05 / 37
p0 1.94e-05 ± 1.803e-05
p1 -3.301e-16 ± 9.985e-10
0
1
2
3
4
5
6
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 144.8 / 37
p0 6.11e-07 ± 4.287e-05
p1 -1.355e-11 ± 1.729e-09
0.6
0.5
0.4
0.3
0.2
0.1
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 2.14e+05 / 37
p0 2.701e-05 ± 1.929e-05
p1 -1.061e-16 ± 1.115e-09
0
1
2
3
4
5
6
7
8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 0.5505 / 37
p0 165.5 ± 0.224
p1 0.0004372 ± 2.303e-05
200
195
190
185
180
175
170
165
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 1610 / 37
p0 32.99 ± 0.1766
p1 0.009194 ± 1.278e-05
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
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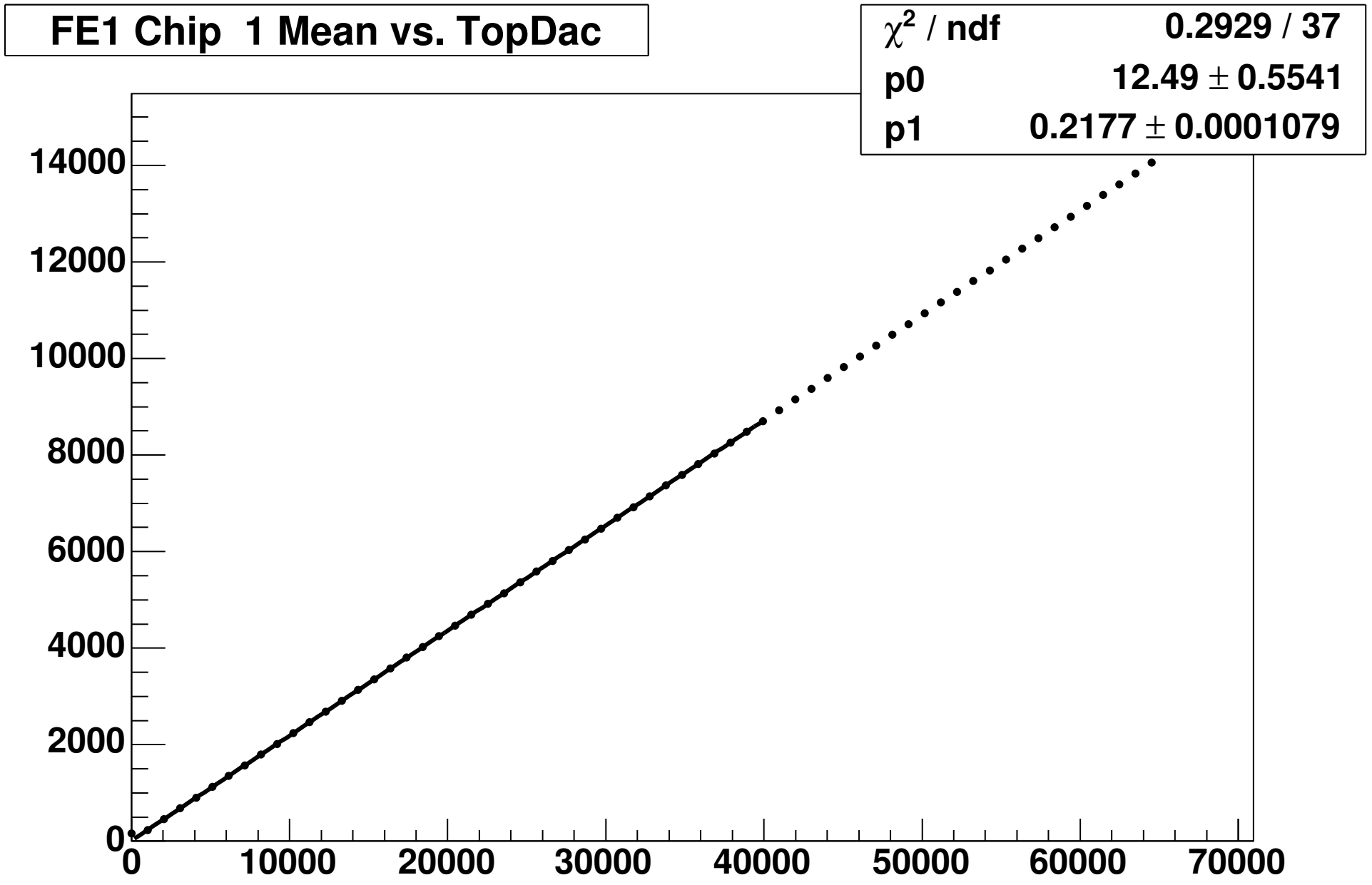
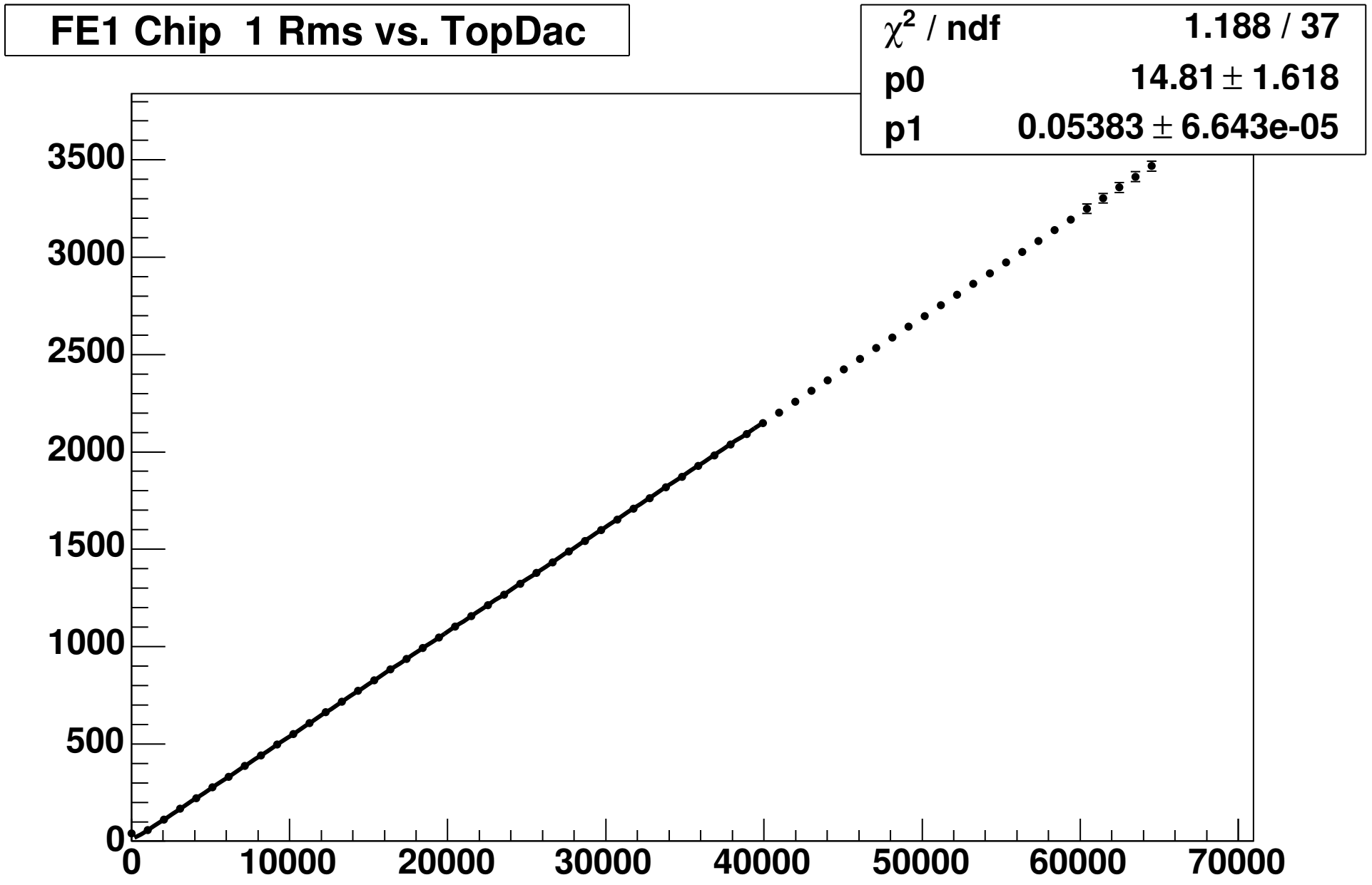
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 0.2929 / 37
p0 12.49 ± 0.5541
p1 0.2177 ± 0.0001079
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 1.188 / 37
p0 14.81 ± 1.618
p1 0.05383 ± 6.643e-05
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
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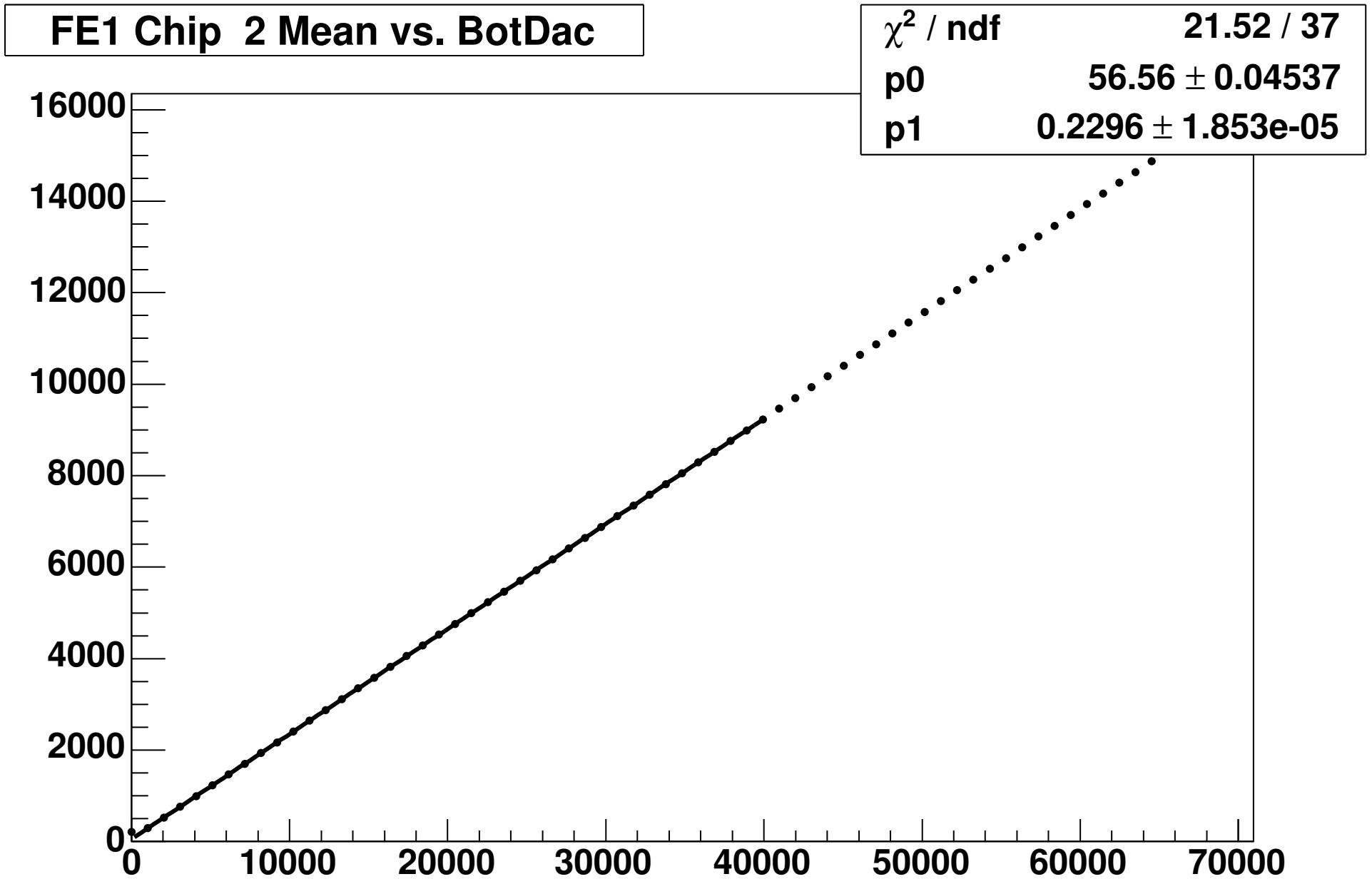
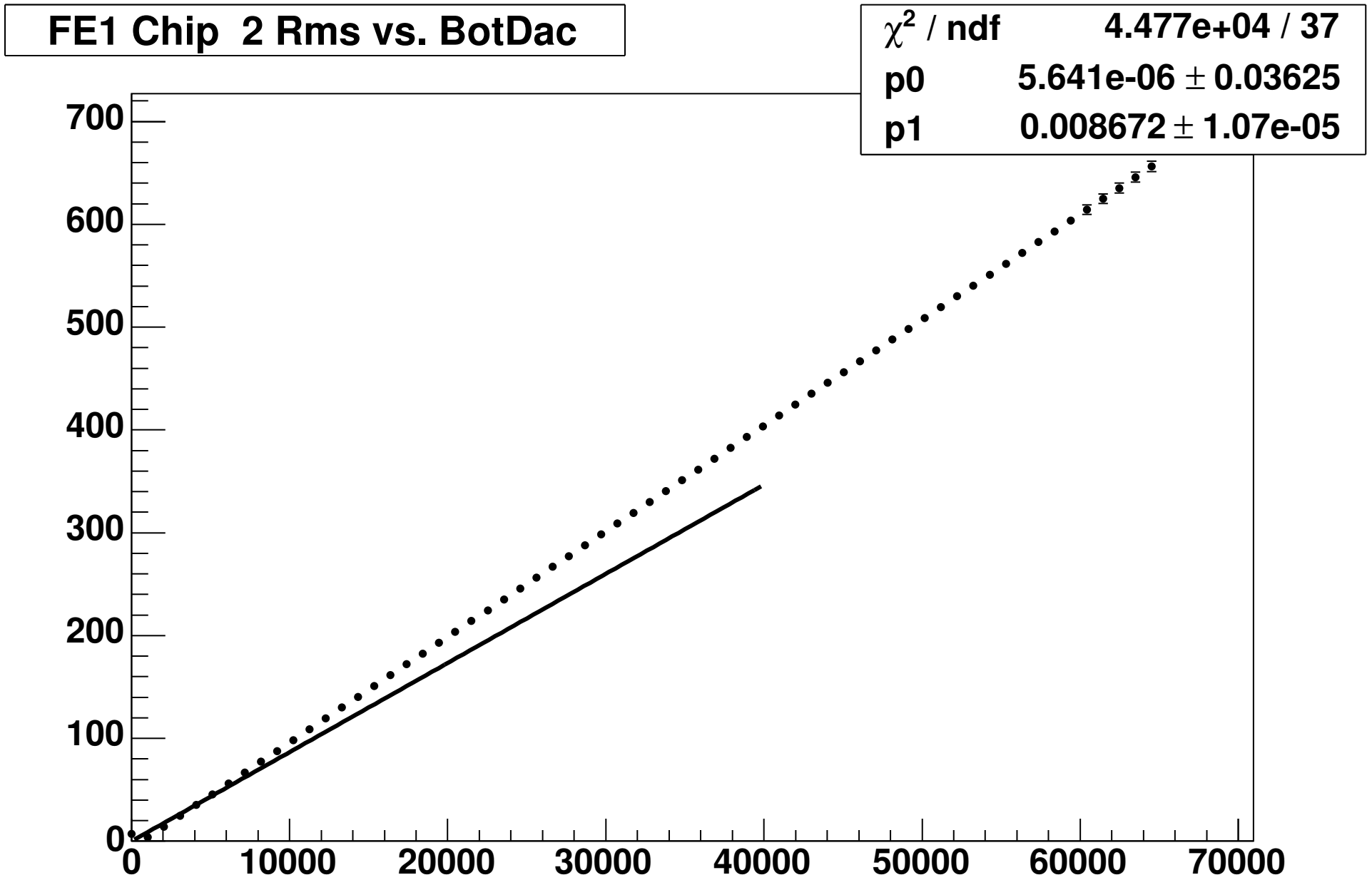
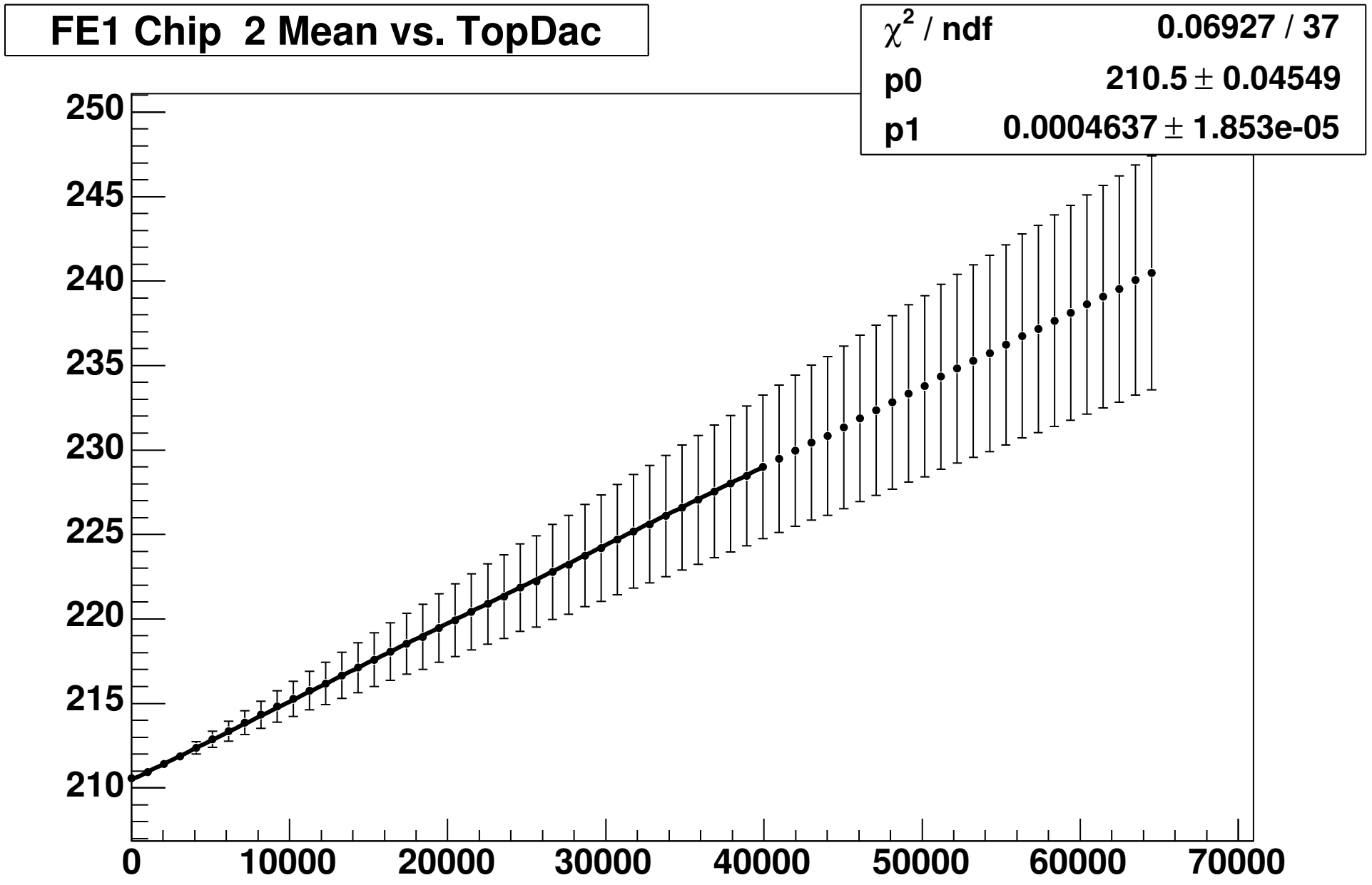
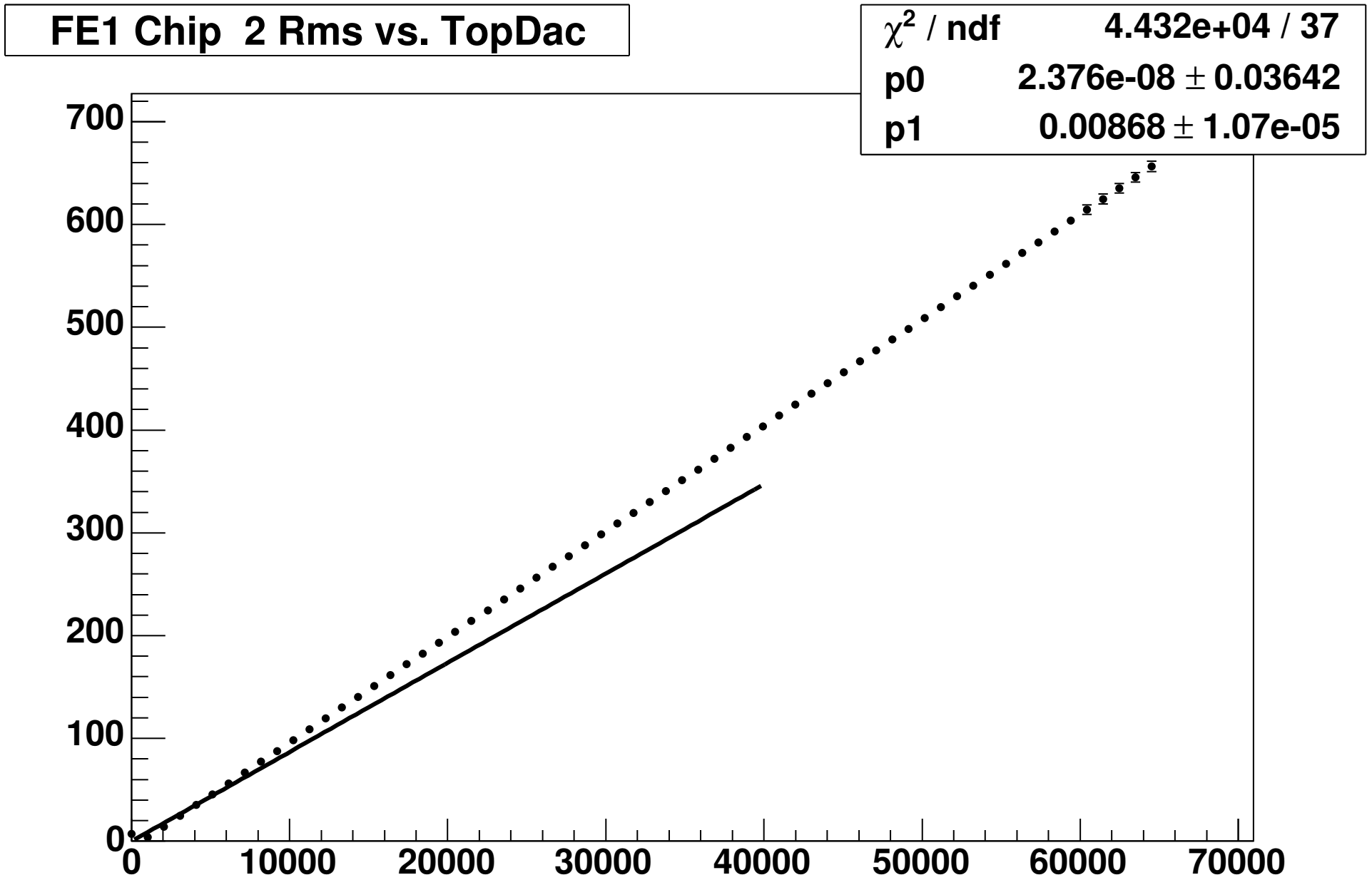
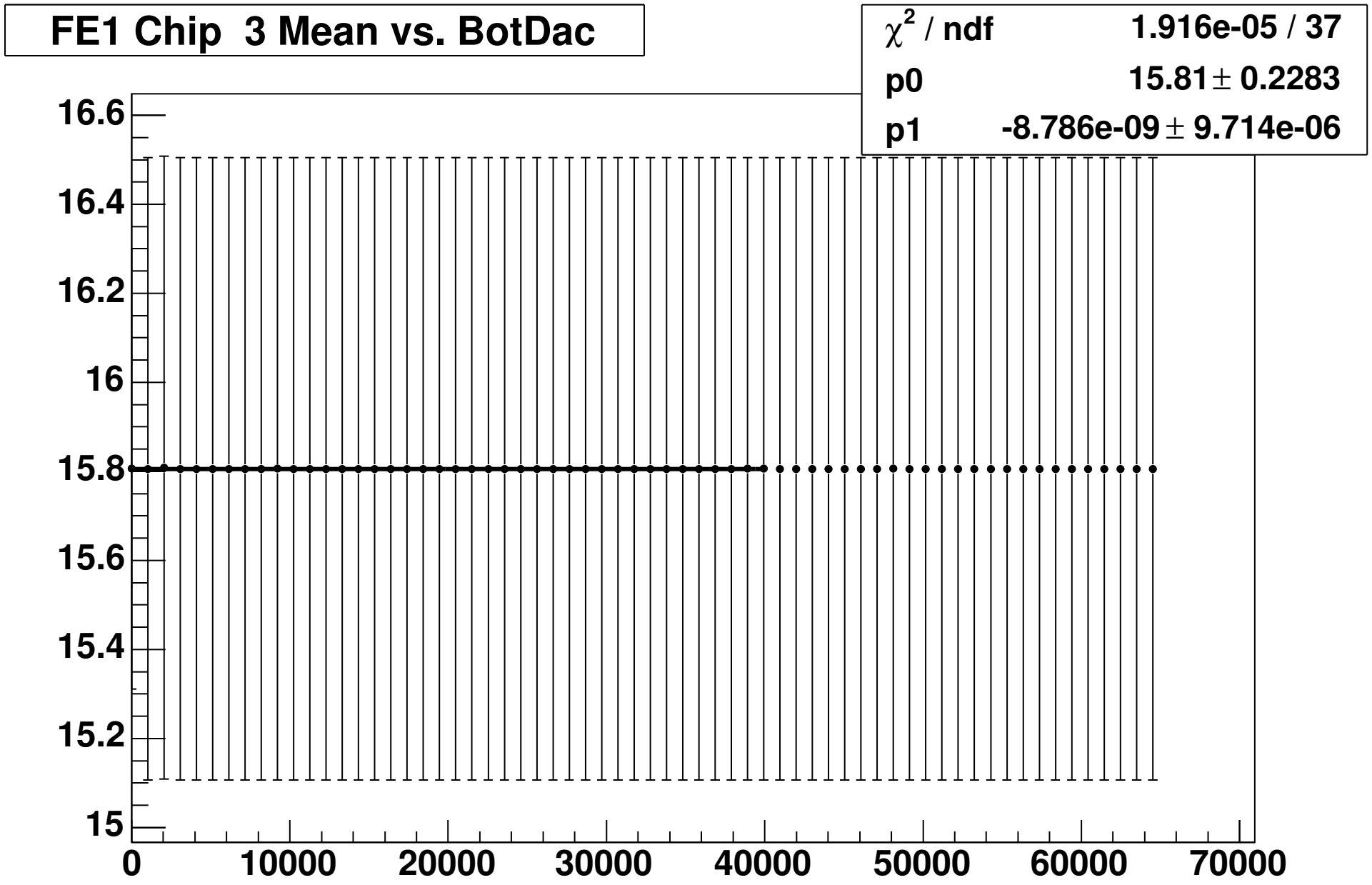
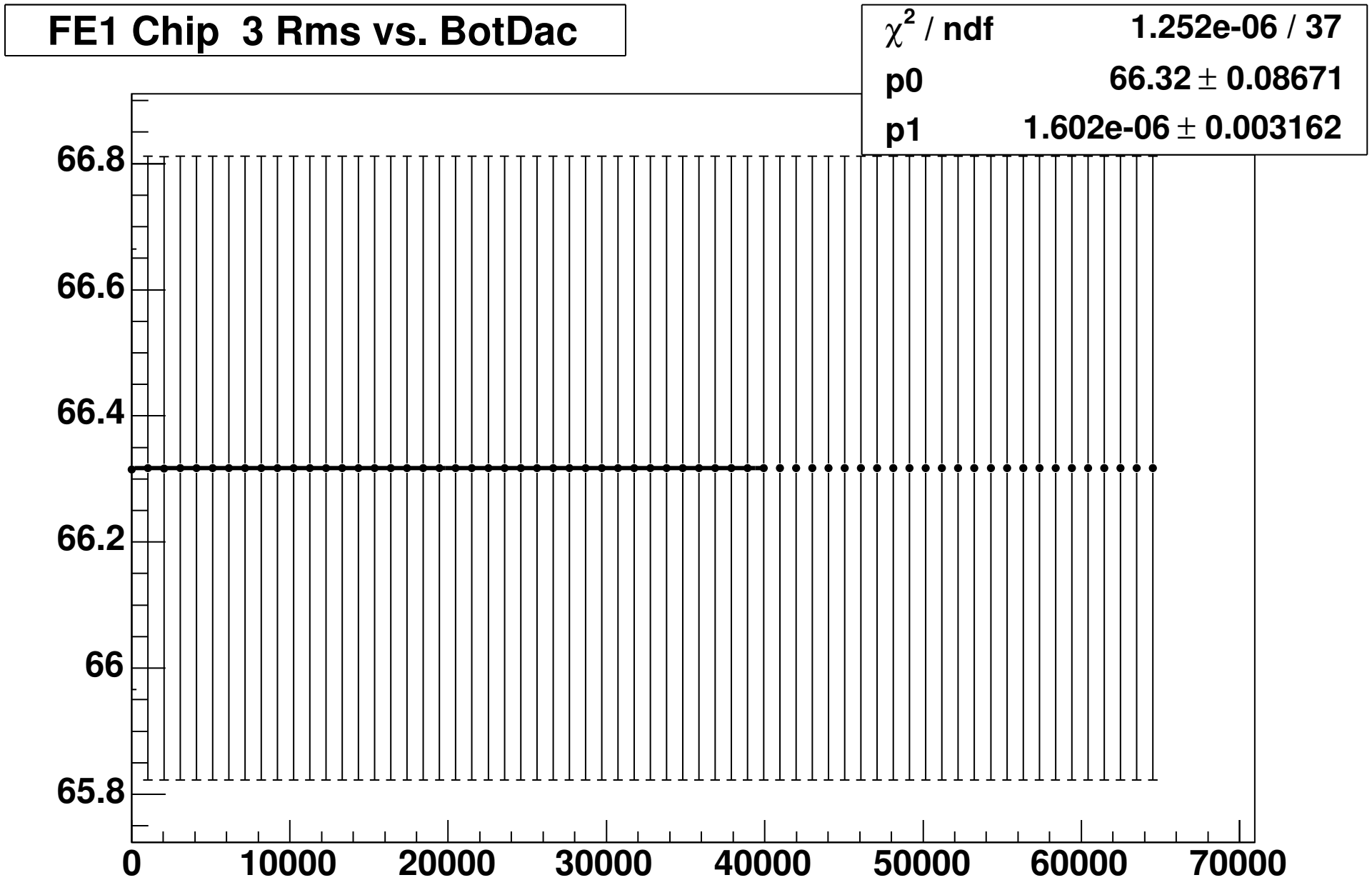

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 21.52 / 37
p0 56.56 ± 0.04537
p1 0.2296 ± 1.853e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

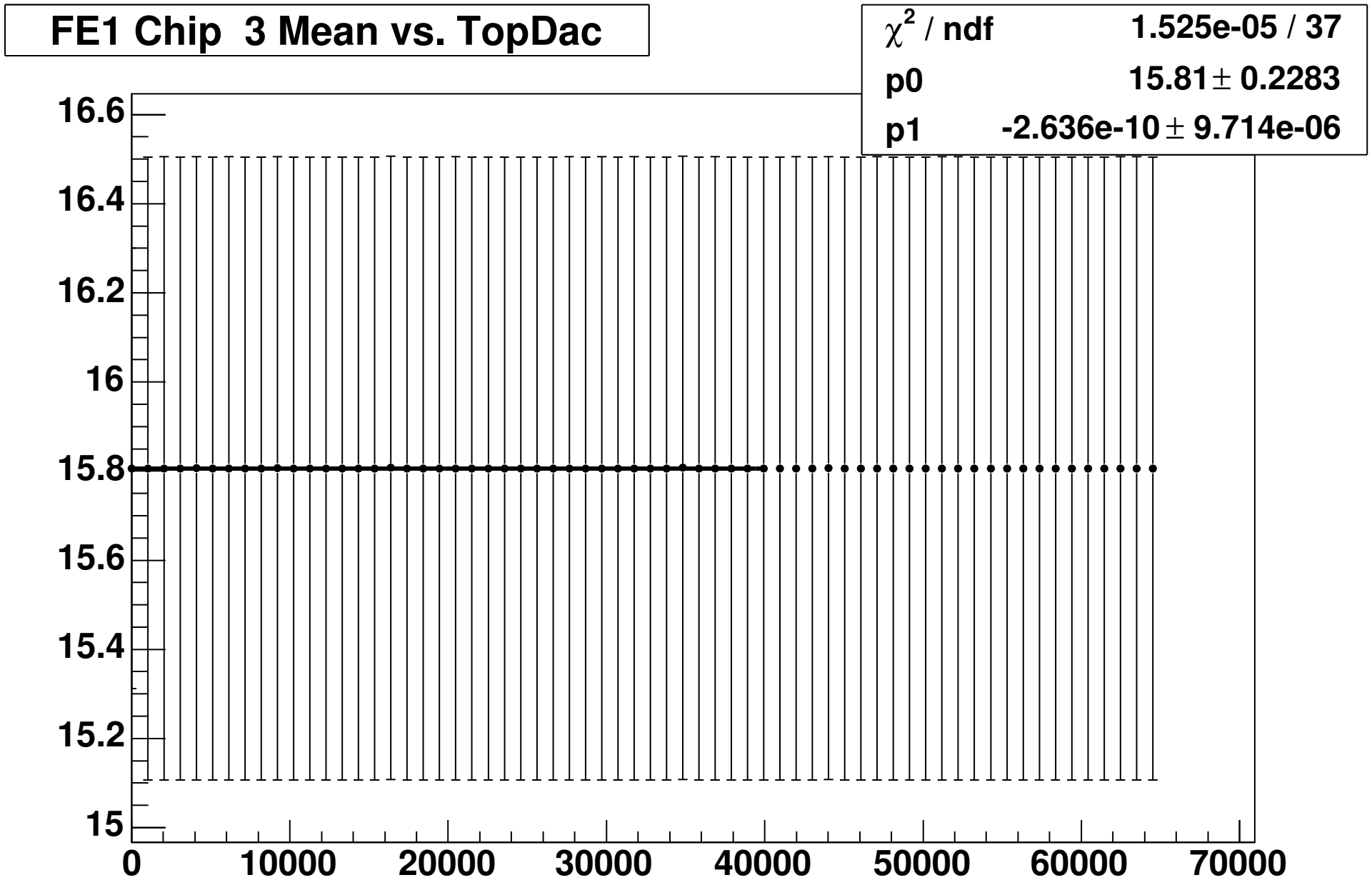

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 4.477e+04 / 37
p0 5.641e-06 ± 0.03625
p1 0.008672 ± 1.07e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

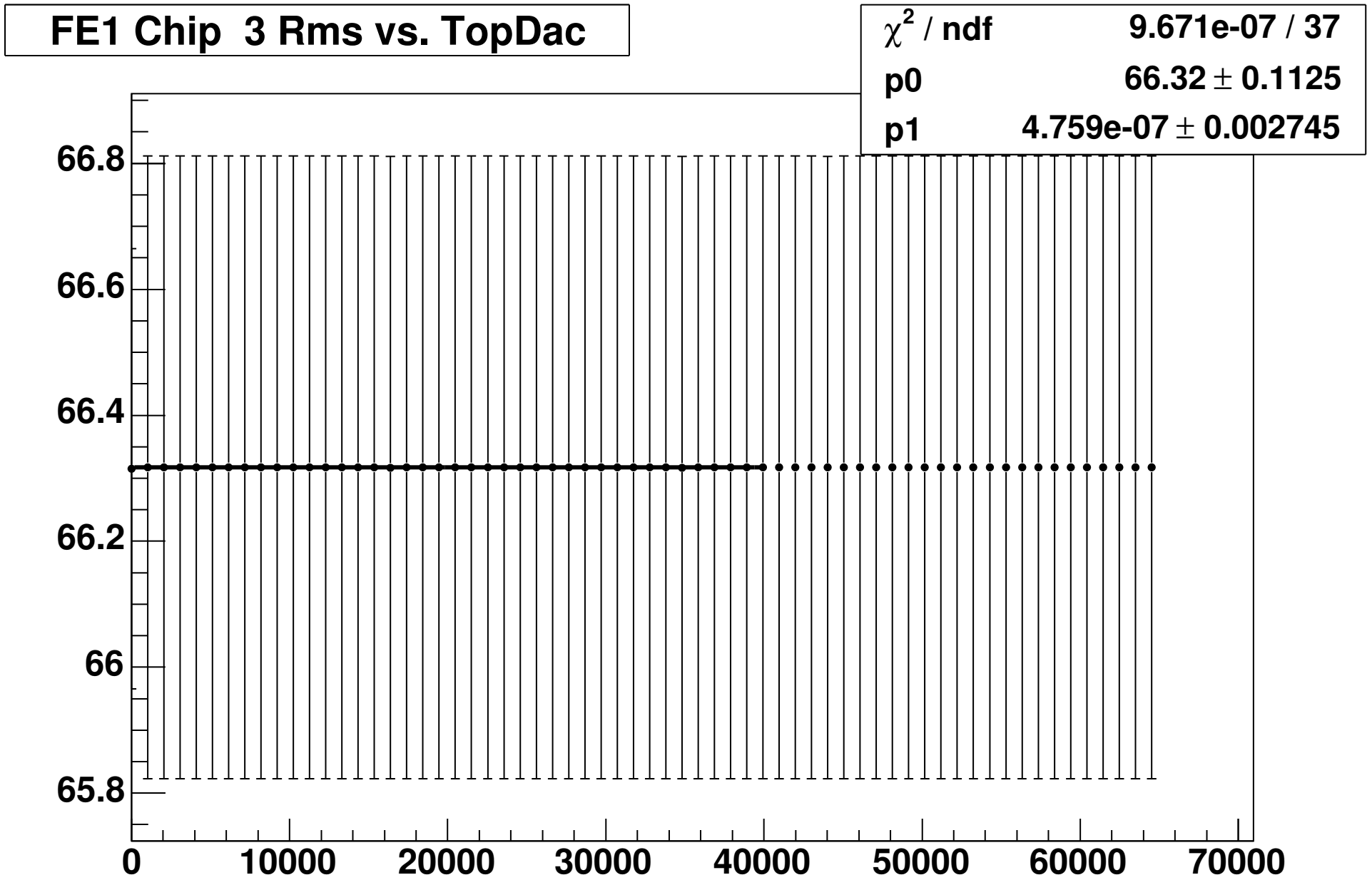

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 0.06927 / 37
p0 210.5 ± 0.04549
p1 0.0004637 ± 1.853e-05
250
245
240
235
230
225
220
215
210
0
10000
20000
30000
40000
50000
60000
70000

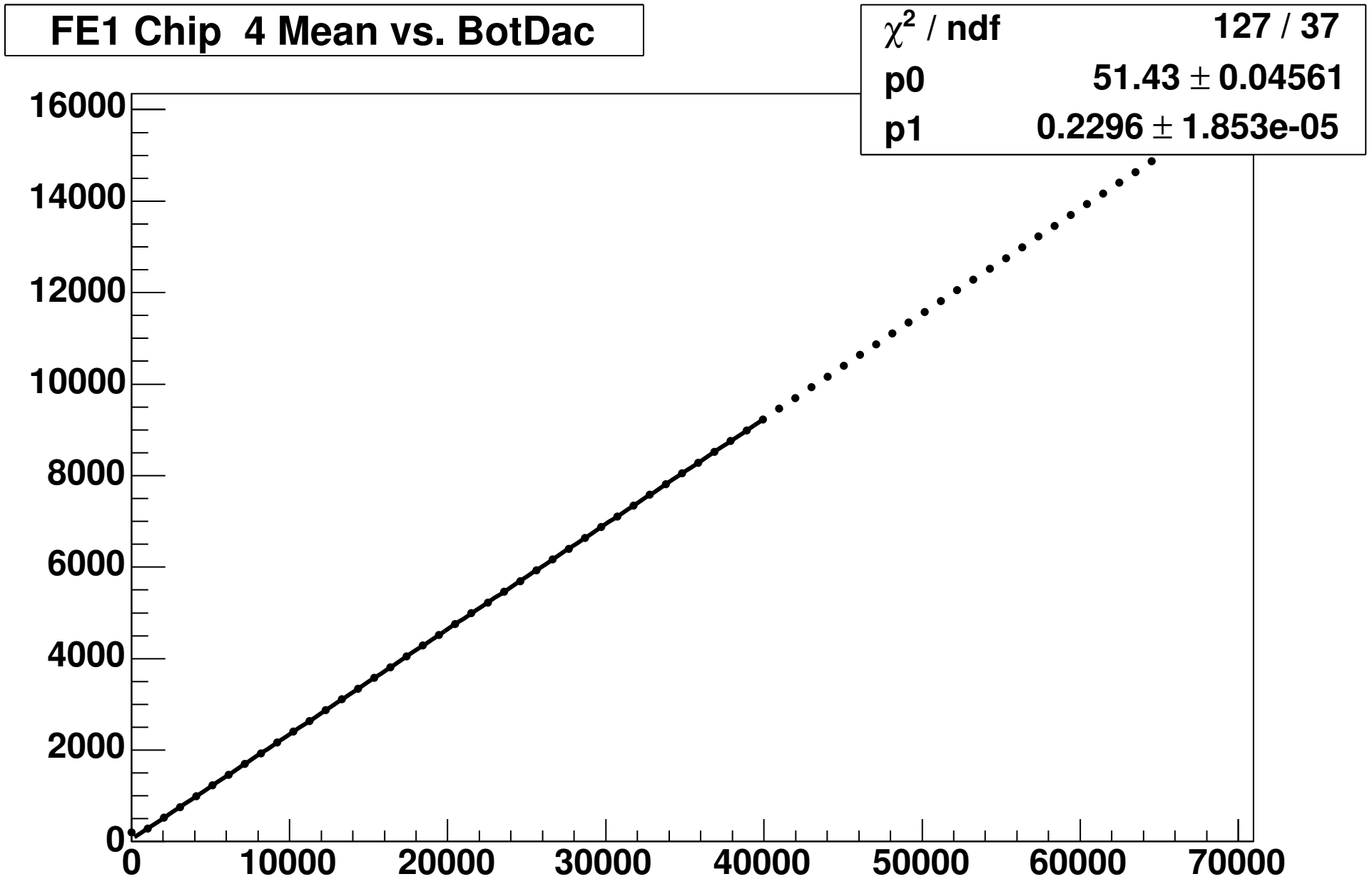

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 4.432e+04 / 37
p0 2.376e-08 ± 0.03642
p1 0.00868 ± 1.07e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

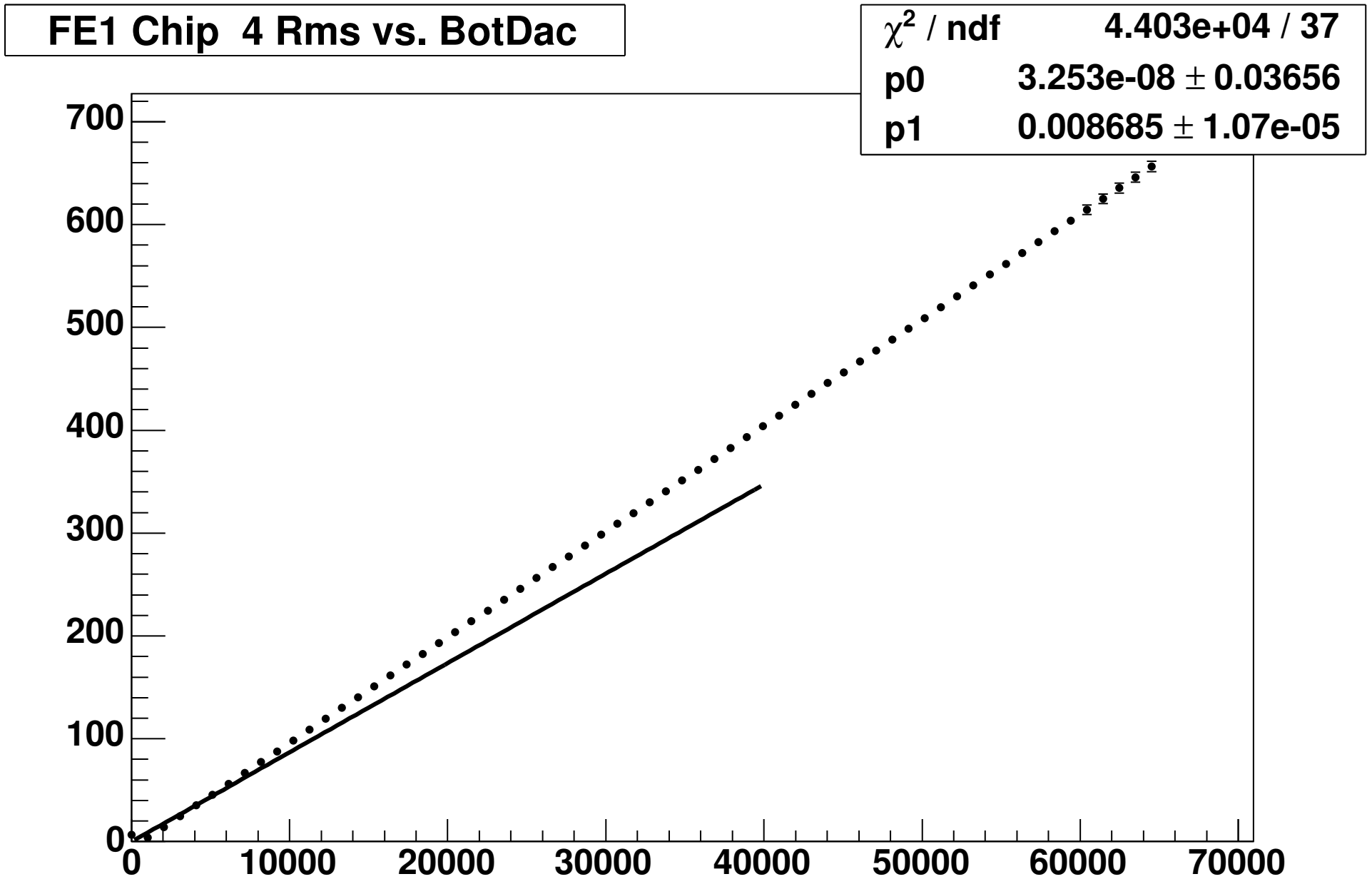

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 1.916e-05 / 37
p0 15.81 ± 0.2283
p1 -8.786e-09 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
40000
50000
60000
70000

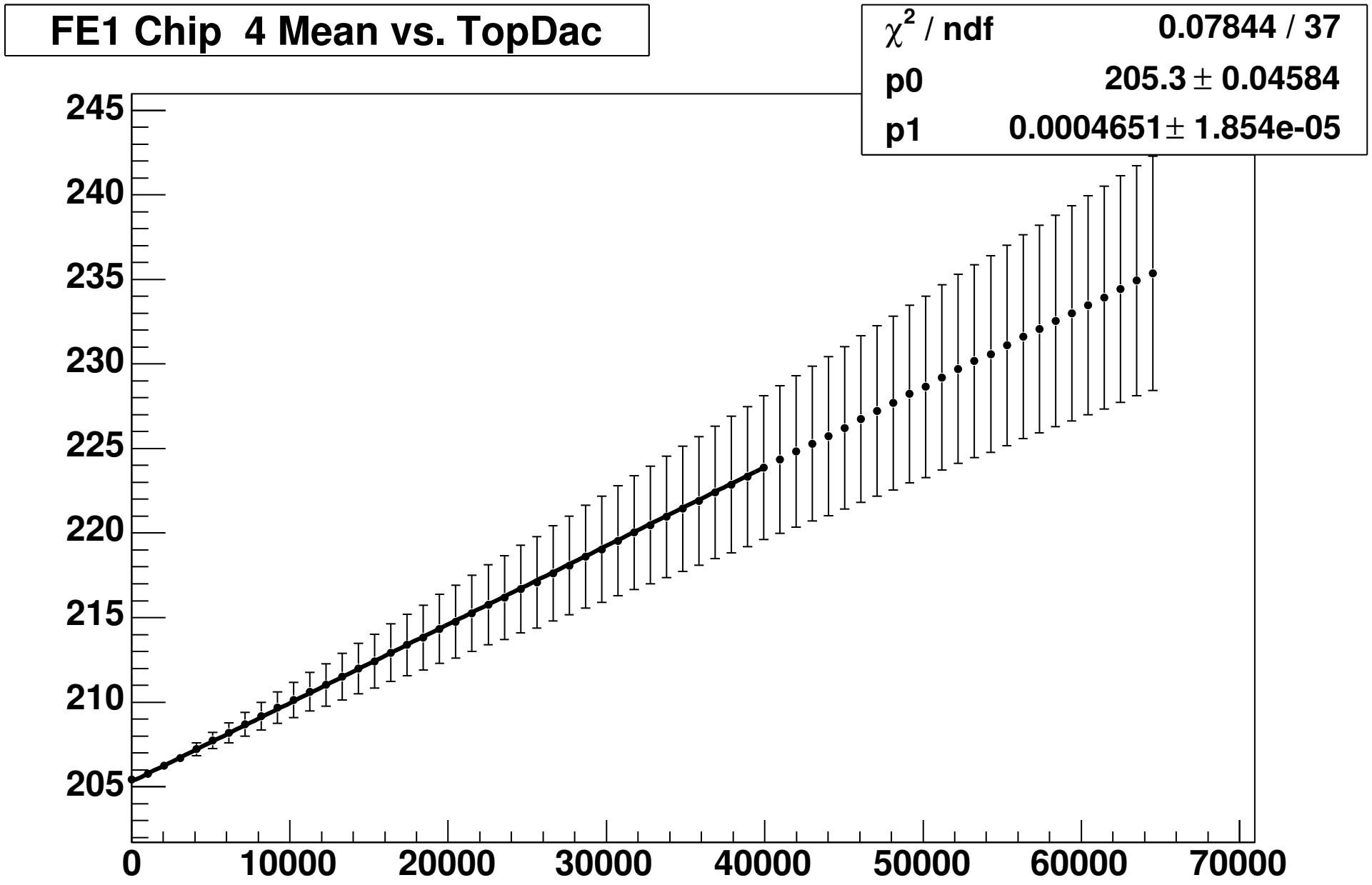

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 1.252e-06 / 37
p0 66.32 ± 0.08671
p1 1.602e-06 ± 0.003162
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 1.525e-05 / 37
p0 15.81 ± 0.2283
p1 -2.636e-10 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 9.671e-07 / 37
p0 66.32 ± 0.1125
p1 4.759e-07 ± 0.002745
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 127 / 37
p0 51.43 ± 0.04561
p1 0.2296 ± 1.853e-05
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 4.403e+04 / 37
p0 3.253e-08 ± 0.03656
p1 0.008685 ± 1.07e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 0.07844 / 37
p0 205.3 ± 0.04584
p1 0.0004651 ± 1.854e-05
245
240
235
230
225
220
215
210
205
0
10000
20000
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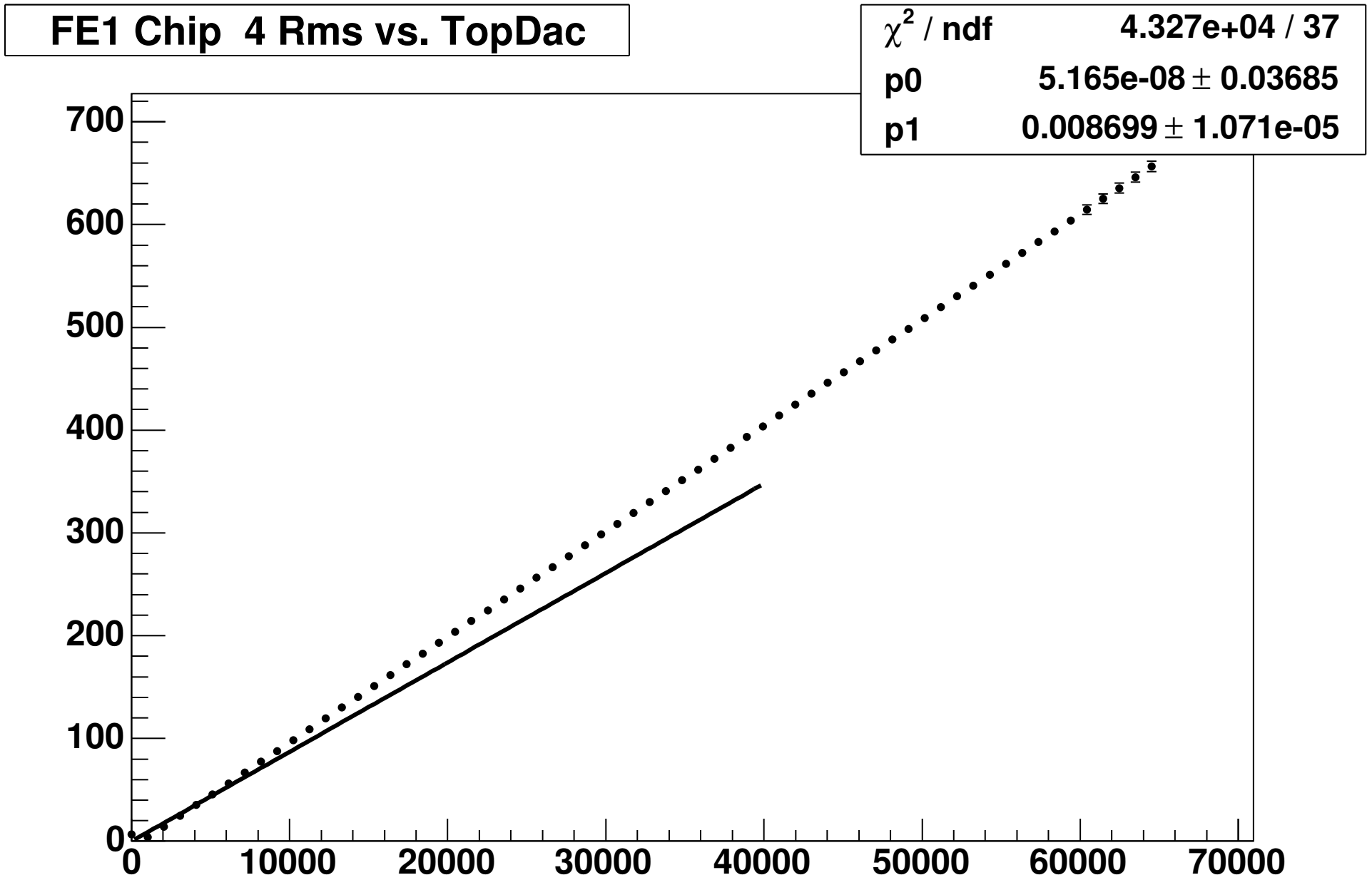
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 4.327e+04 / 37
p0 5.165e-08 ± 0.03685
p1 0.008699 ± 1.071e-05
700
600
500
400
300
200
100
0
0
10000
20000
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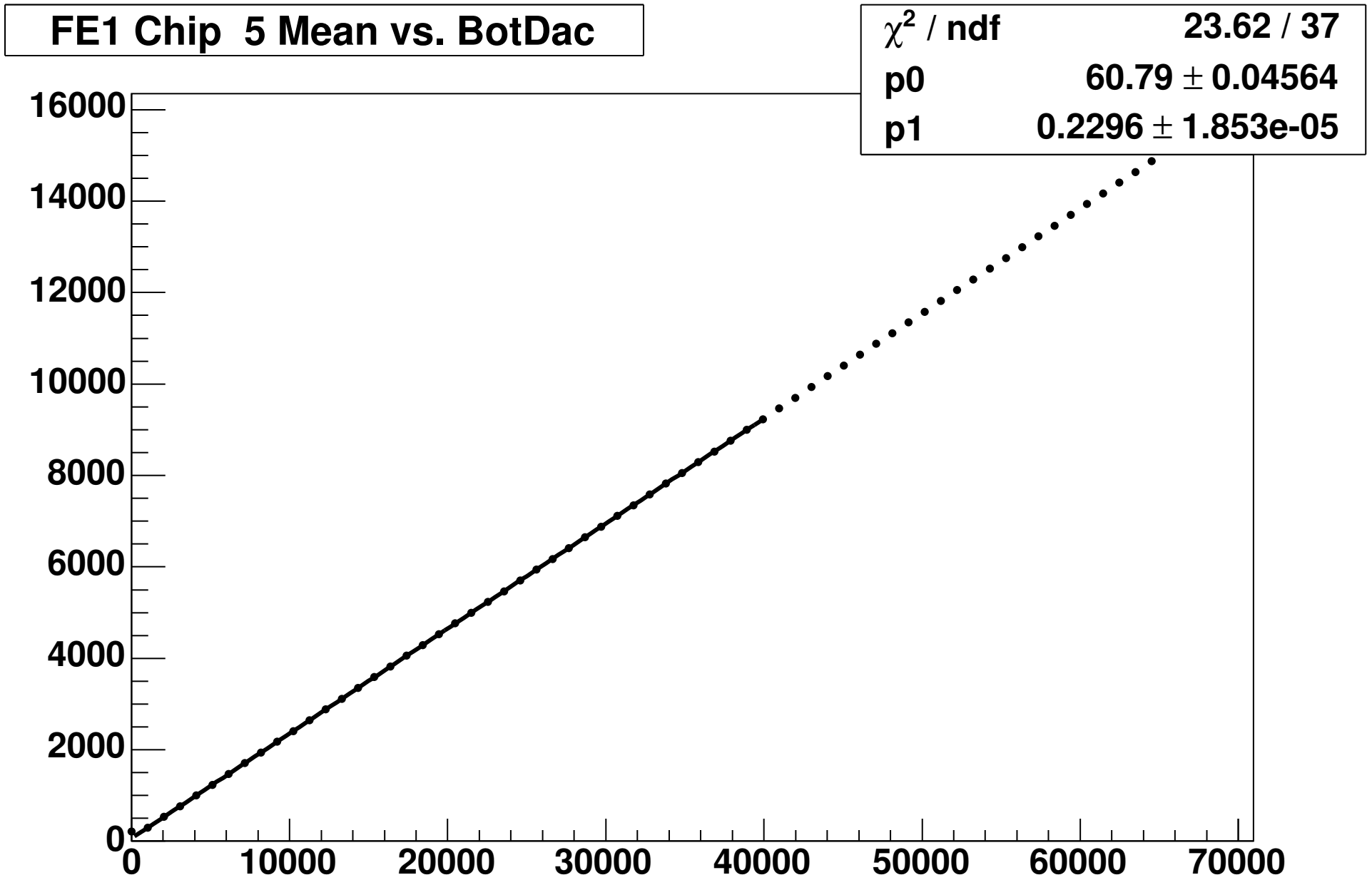
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 23.62 / 37
p0 60.79 ± 0.04564
p1 0.2296 ± 1.853e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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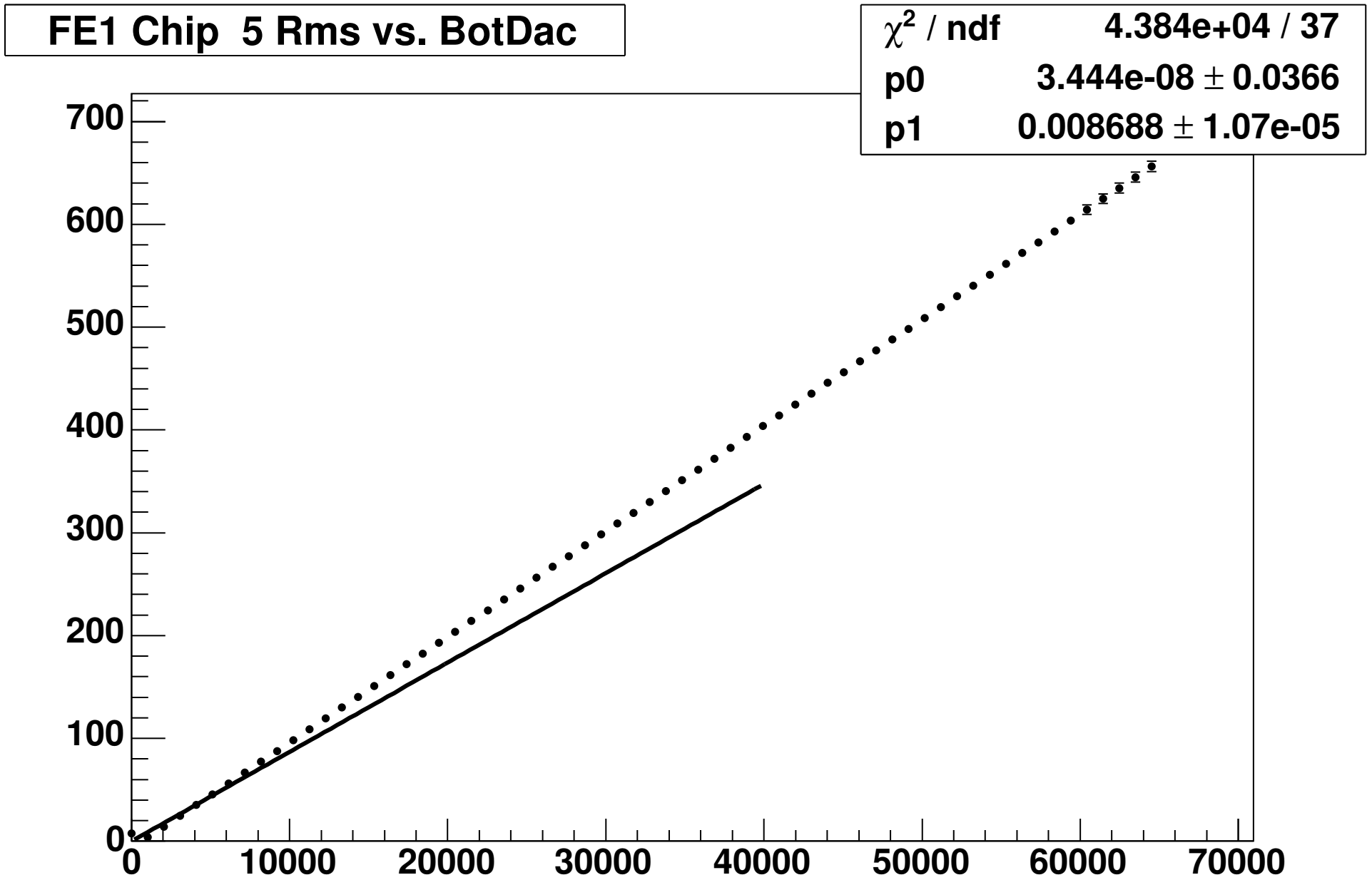
FE1 Chip 5 Rms vs. BotDac
χ² / ndf 4.384e+04 / 37
p0 3.444e-08 ± 0.0366
p1 0.008688 ± 1.07e-05
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400
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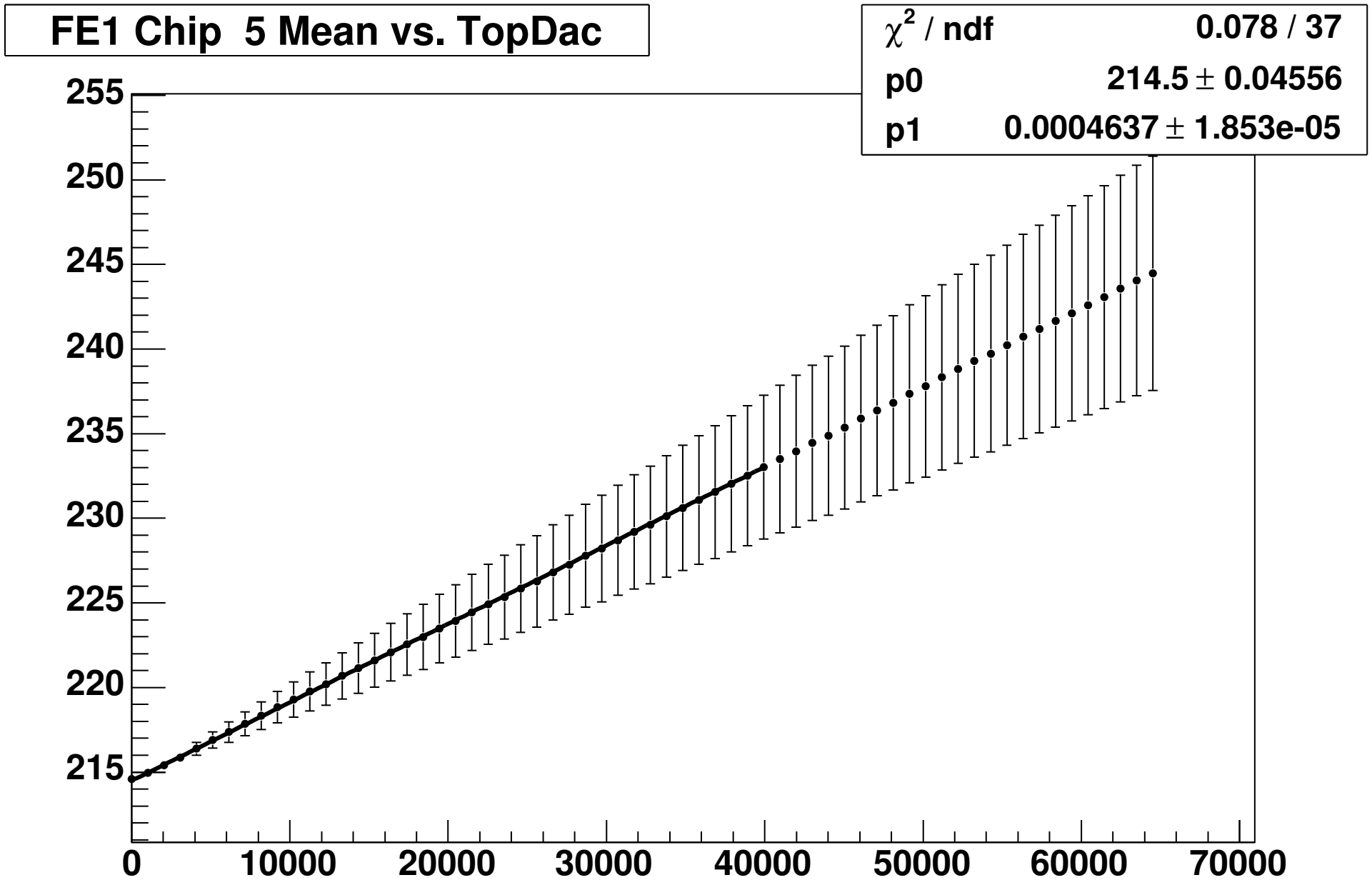
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 0.078 / 37
p0 214.5 ± 0.04556
p1 0.0004637 ± 1.853e-05
255
250
245
240
235
230
225
220
215
0
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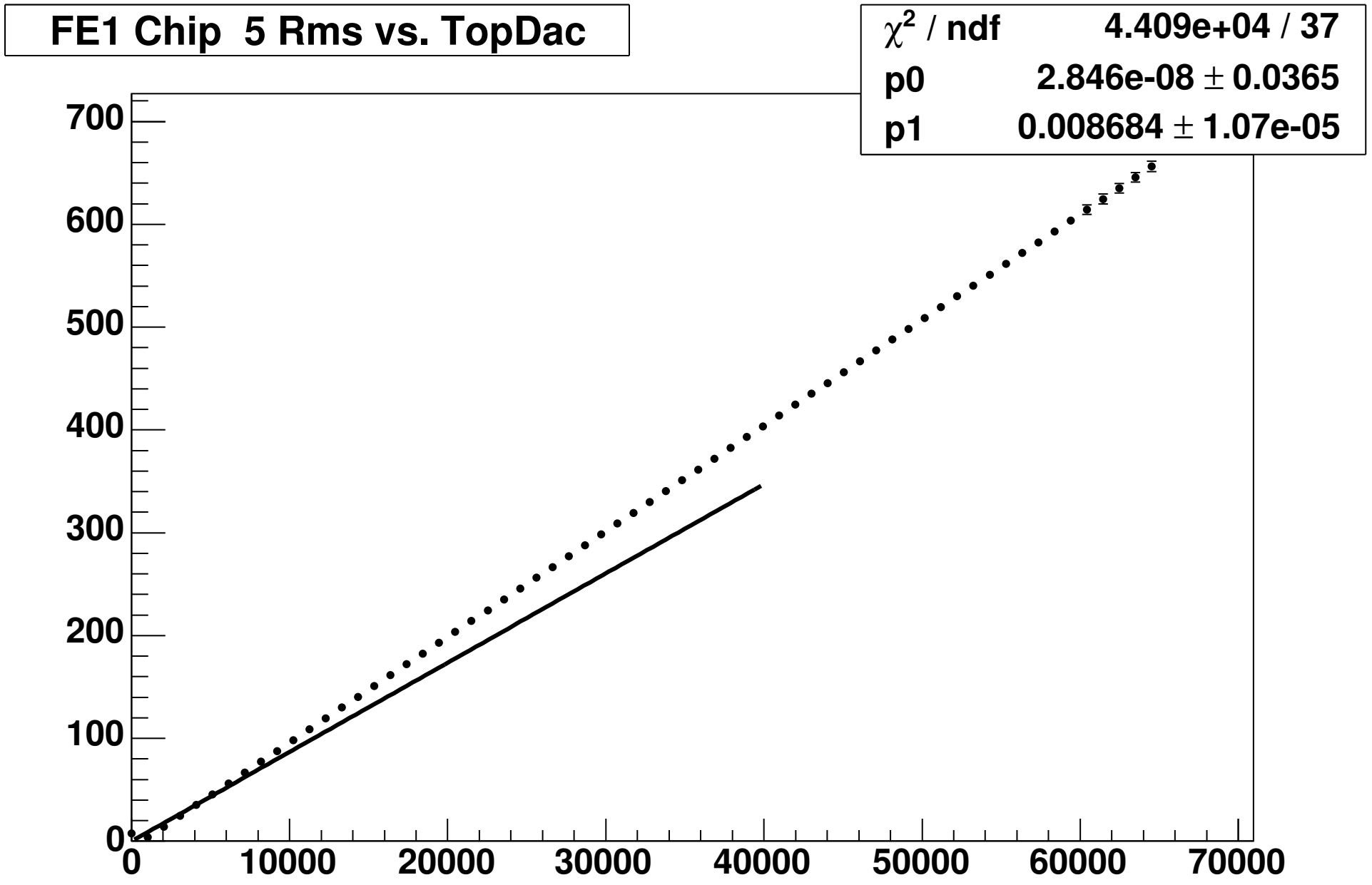
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 4.409e+04 / 37
p0 2.846e-08 ± 0.0365
p1 0.008684 ± 1.07e-05
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500
400
300
200
100
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0
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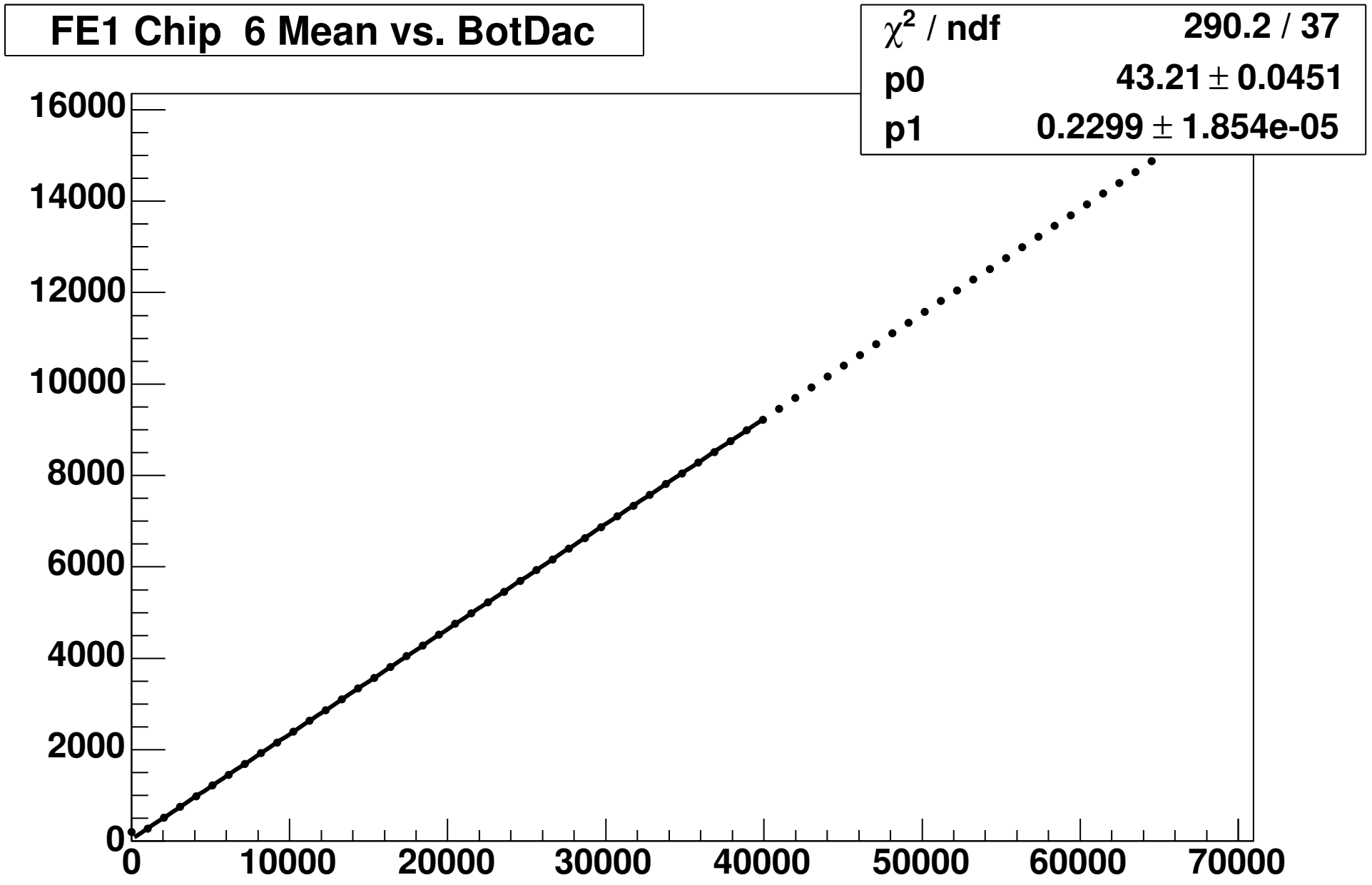
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 290.2 / 37
p0 43.21 ± 0.0451
p1 0.2299 ± 1.854e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
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10000
20000
30000
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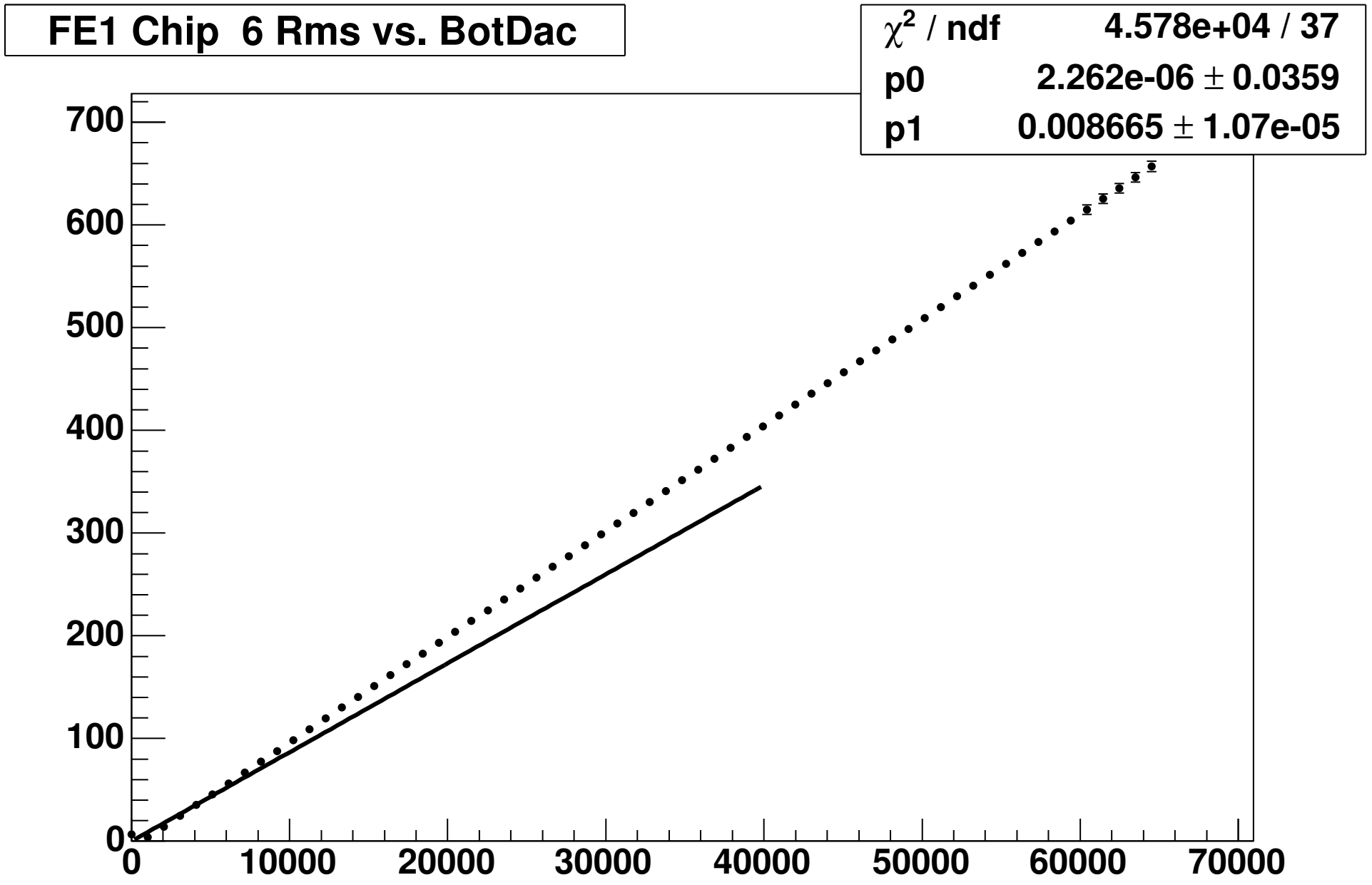
FE1 Chip 6 Rms vs. BotDac
χ² / ndf 4.578e+04 / 37
p0 2.262e-06 ± 0.0359
p1 0.008665 ± 1.07e-05
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600
500
400
300
200
100
0
0
10000
20000
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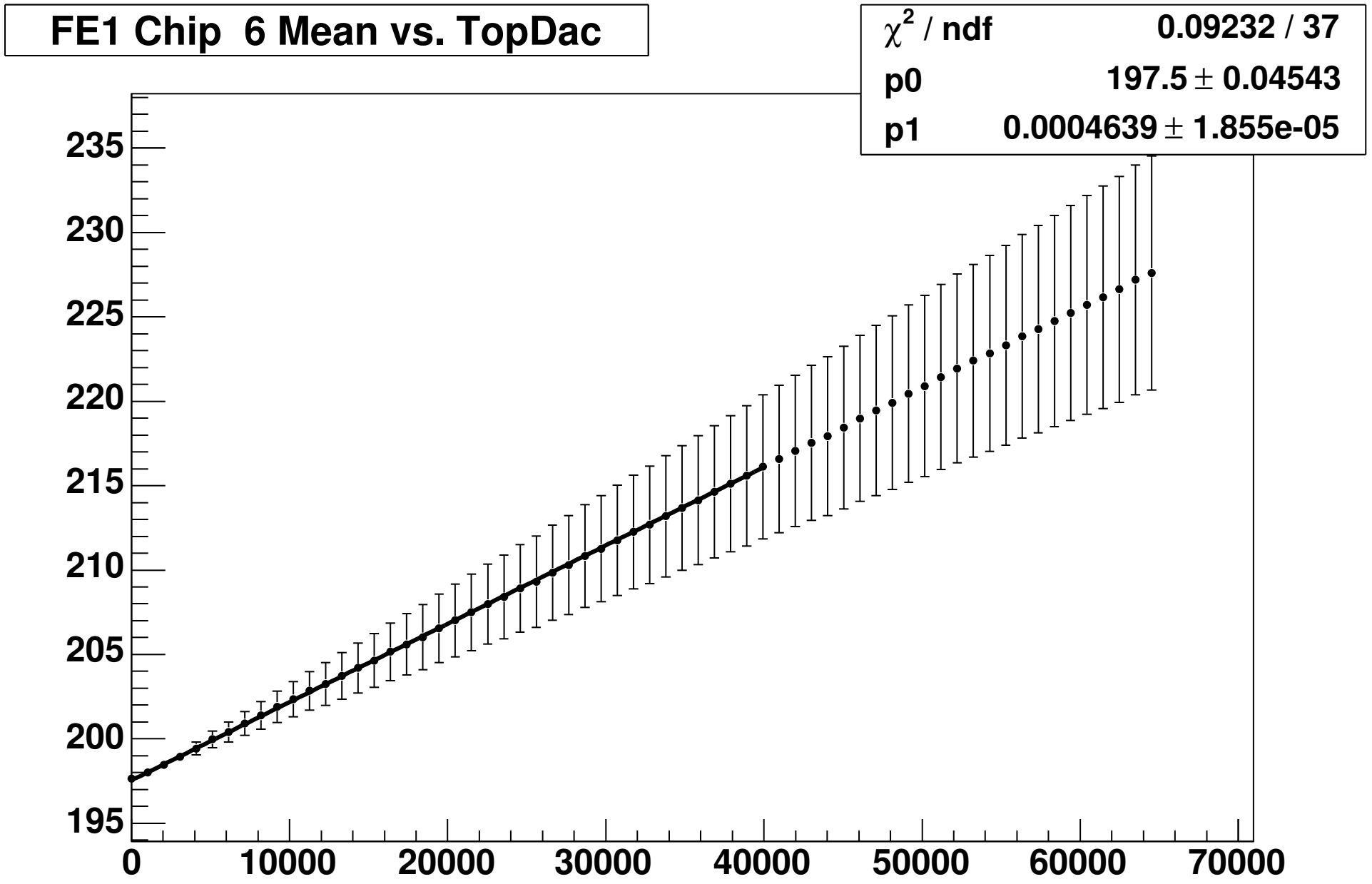
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 0.09232 / 37
p0 197.5 ± 0.04543
p1 0.0004639 ± 1.855e-05
235
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225
220
215
210
205
200
195
0
10000
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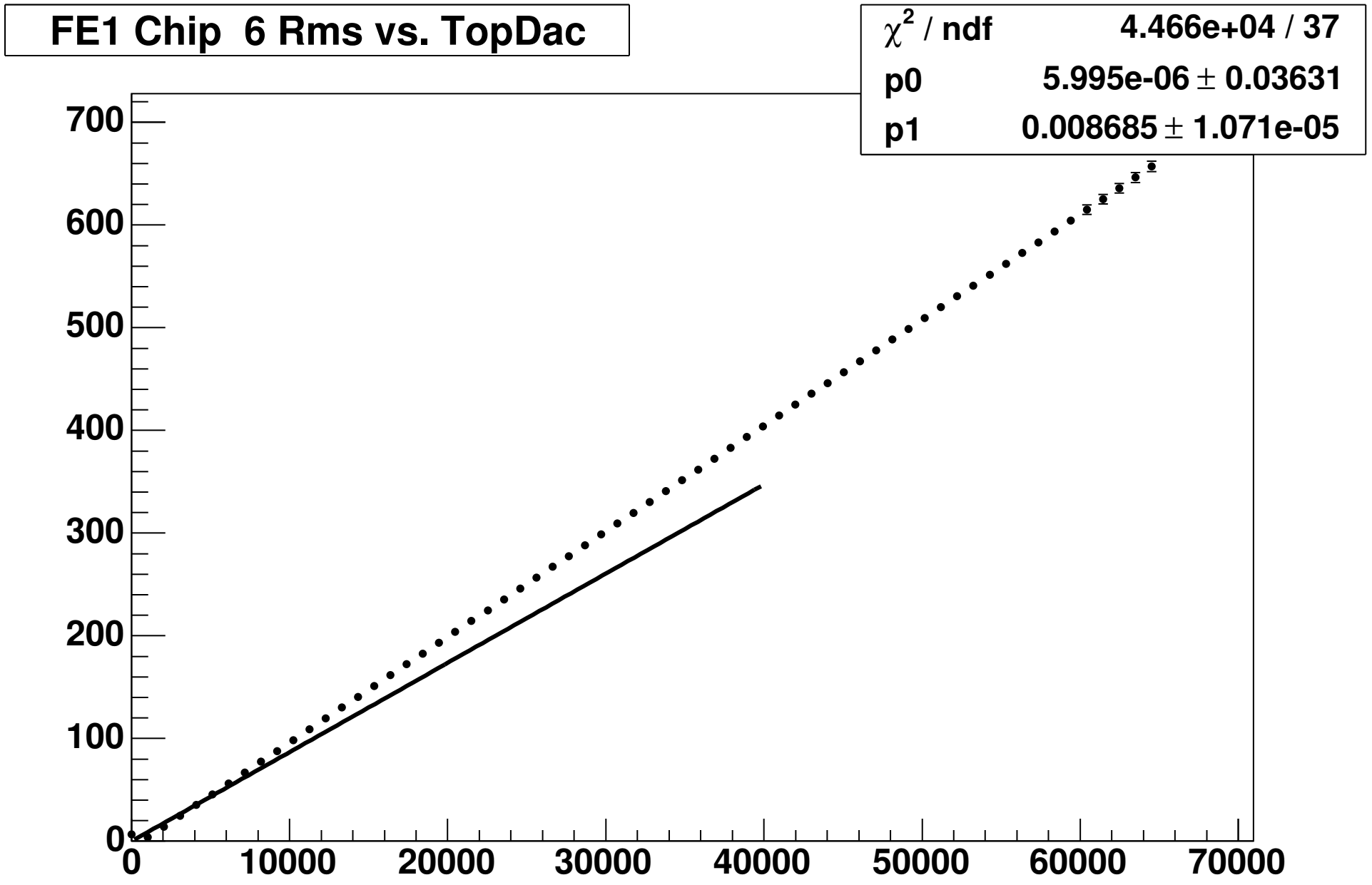
FE1 Chip 6 Rms vs. TopDac
χ^2 / ndf 4.466e+04 / 37
p0 5.995e-06 ± 0.03631
p1 0.008685 ± 1.071e-05
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600
500
400
300
200
100
0
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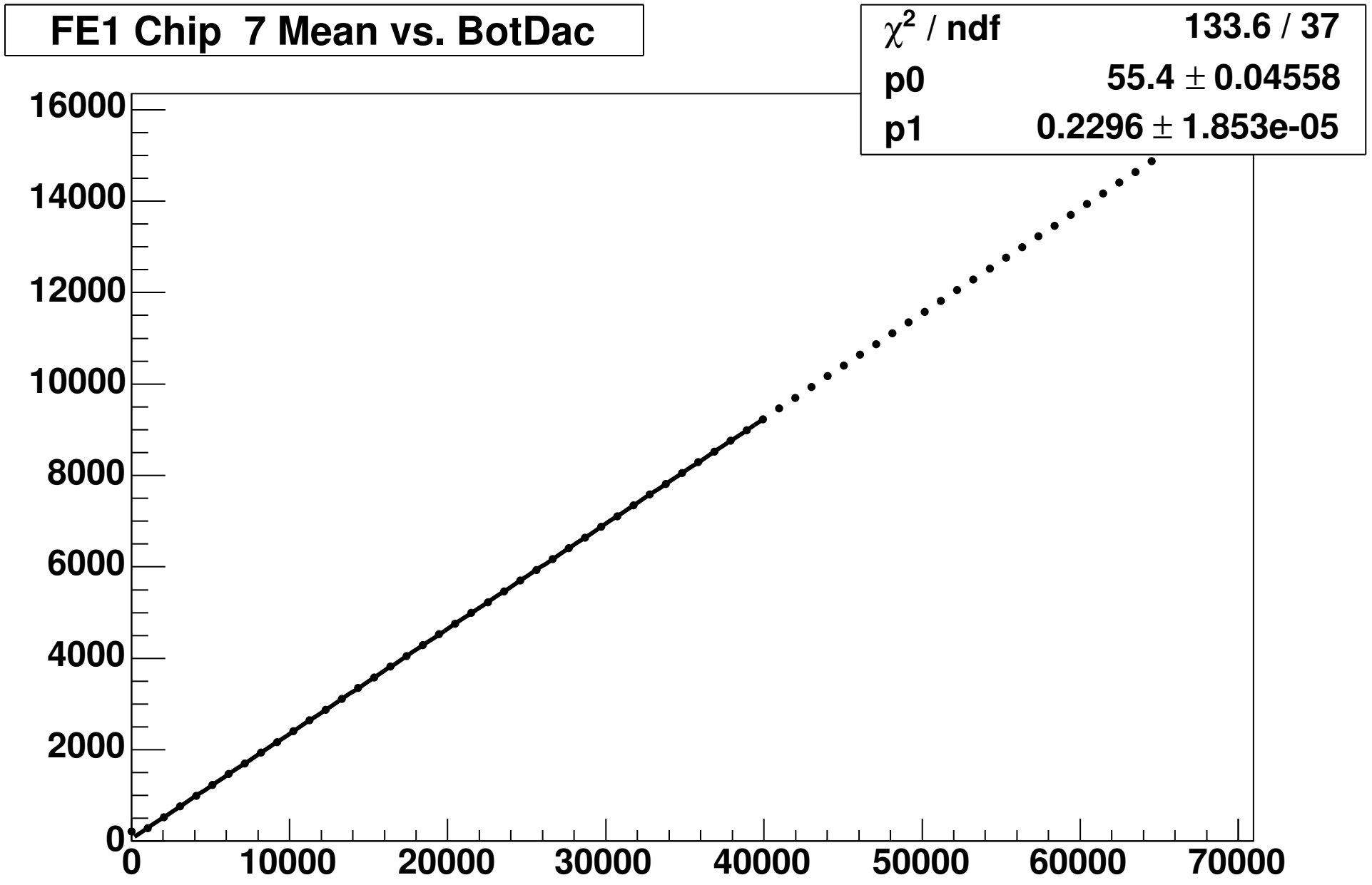
FE1 Chip 7 Mean vs. BotDac
χ² / ndf 133.6 / 37
p0 55.4 ± 0.04558
p1 0.2296 ± 1.853e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
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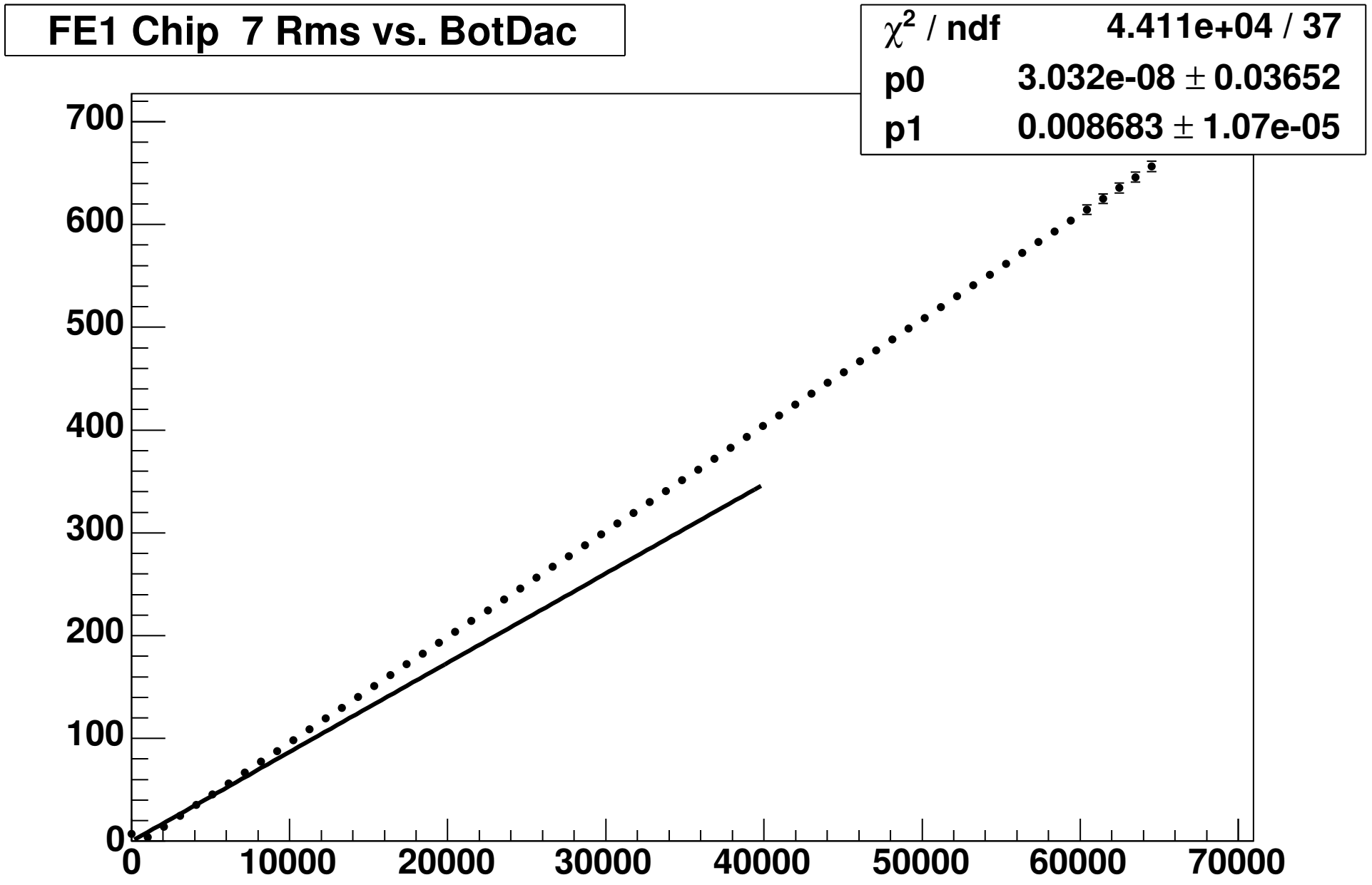
FE1 Chip 7 Rms vs. BotDac
χ² / ndf 4.411e+04 / 37
p0 3.032e-08 ± 0.03652
p1 0.008683 ± 1.07e-05
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600
500
400
300
200
100
0
0
10000
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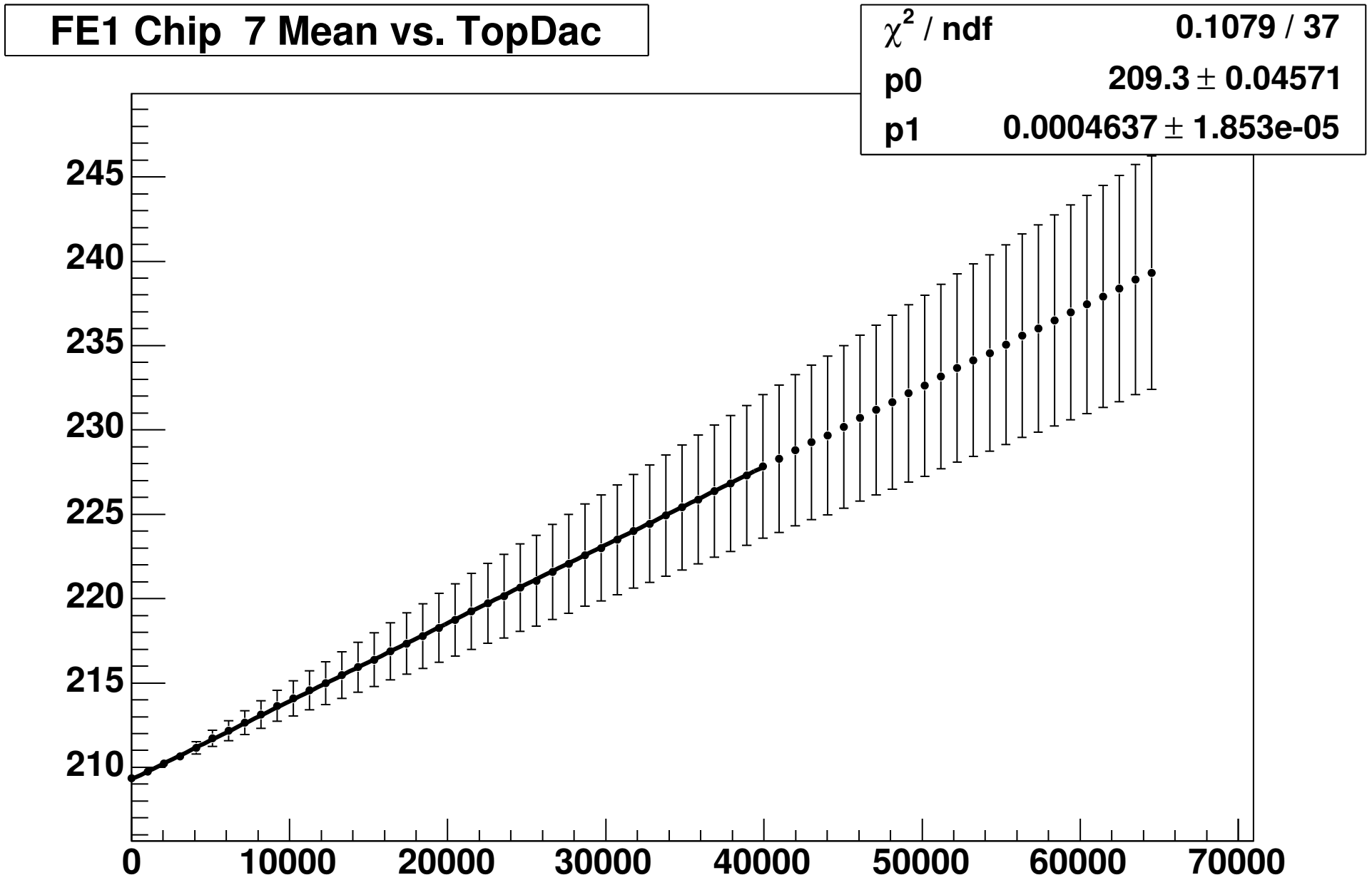
FE1 Chip 7 Mean vs. TopDac
χ² / ndf 0.1079 / 37
p0 209.3 ± 0.04571
p1 0.0004637 ± 1.853e-05
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240
235
230
225
220
215
210
0
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20000
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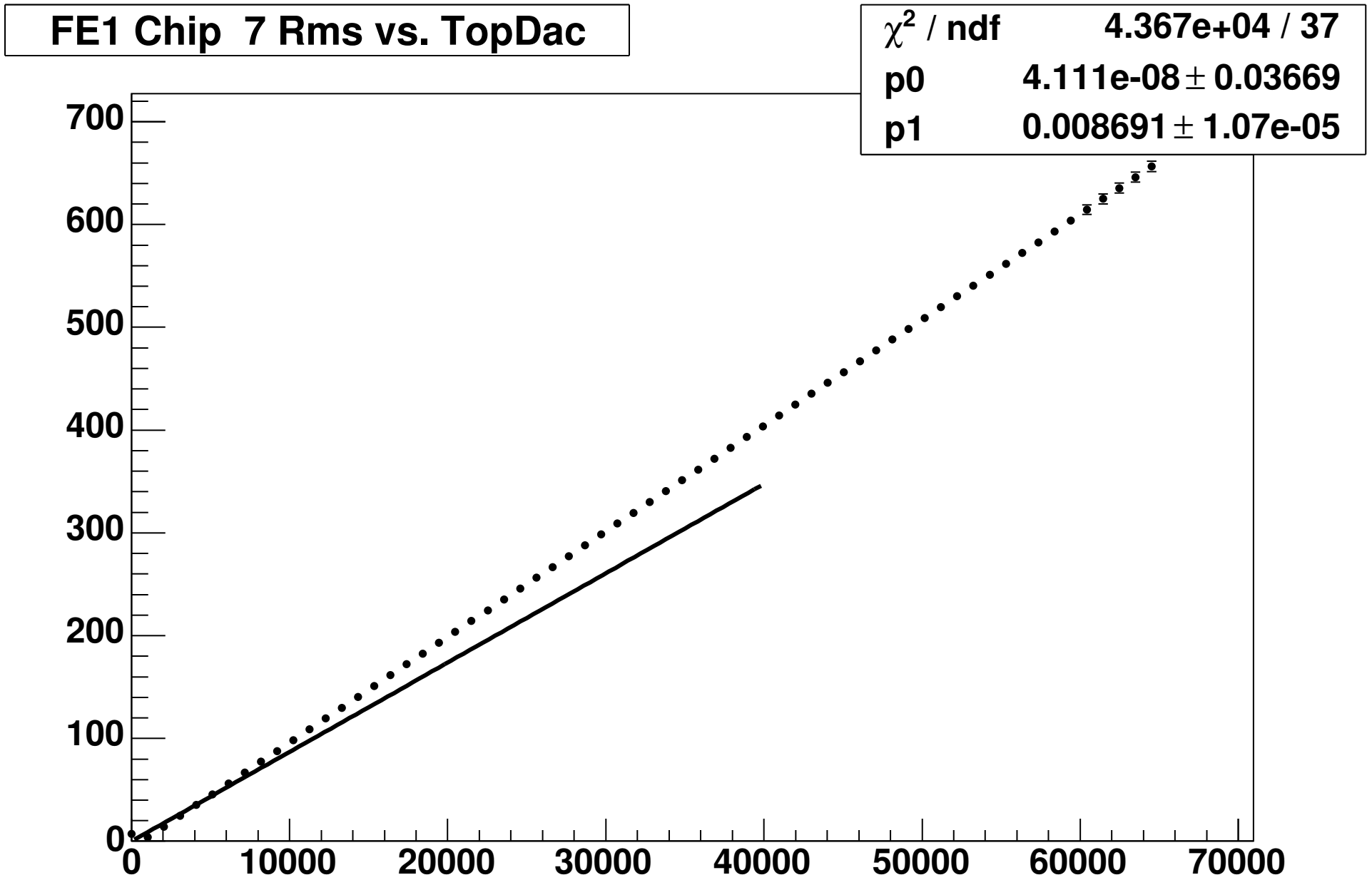
FE1 Chip 7 Rms vs. TopDac
χ² / ndf 4.367e+04 / 37
p0 4.111e-08 ± 0.03669
p1 0.008691 ± 1.07e-05
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500
400
300
200
100
0
0
10000
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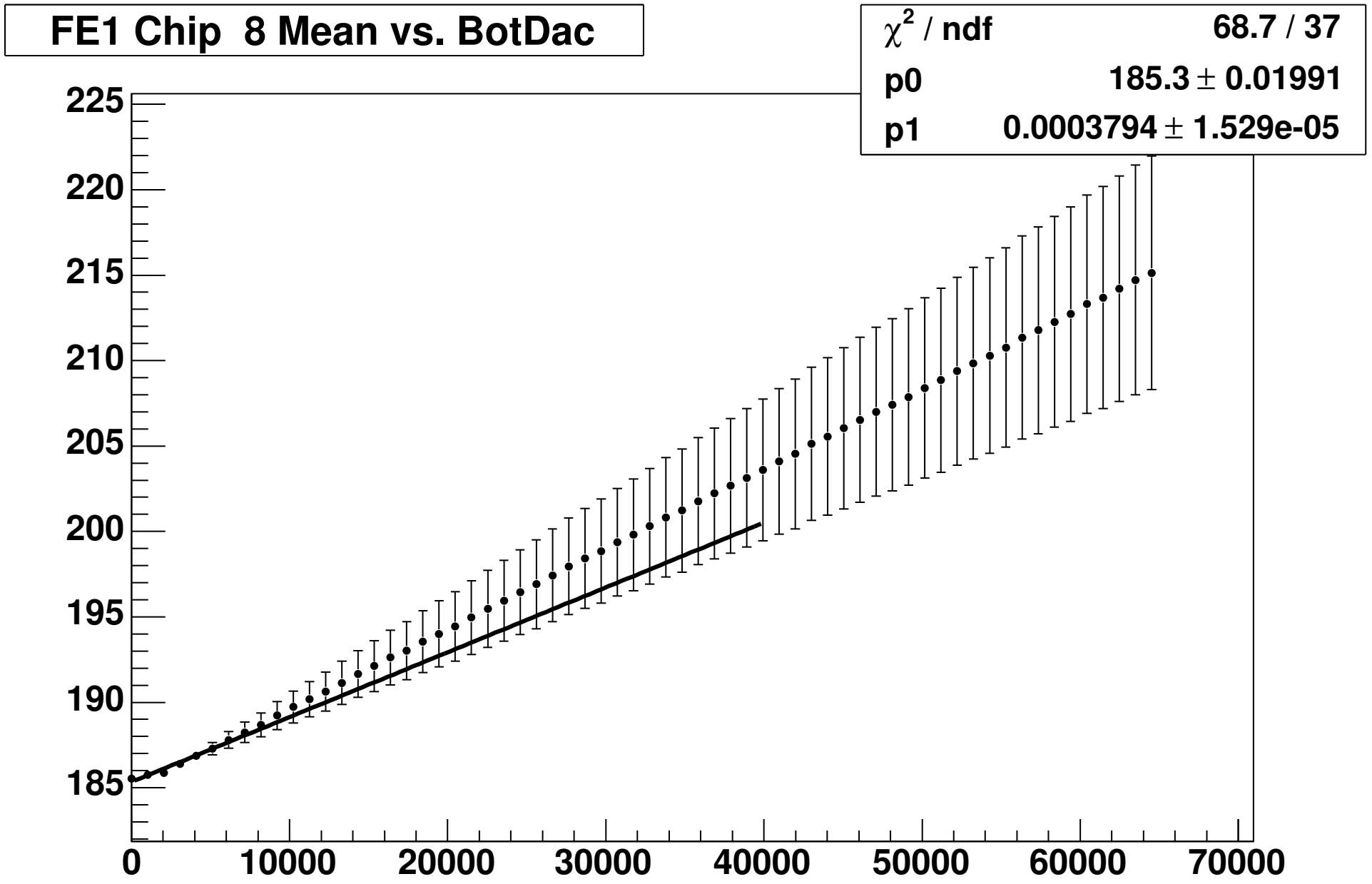
FE1 Chip 8 Mean vs. BotDac
χ² / ndf 68.7 / 37
p0 185.3 ± 0.01991
p1 0.0003794 ± 1.529e-05
225
220
215
210
205
200
195
190
185
0
10000
20000
30000
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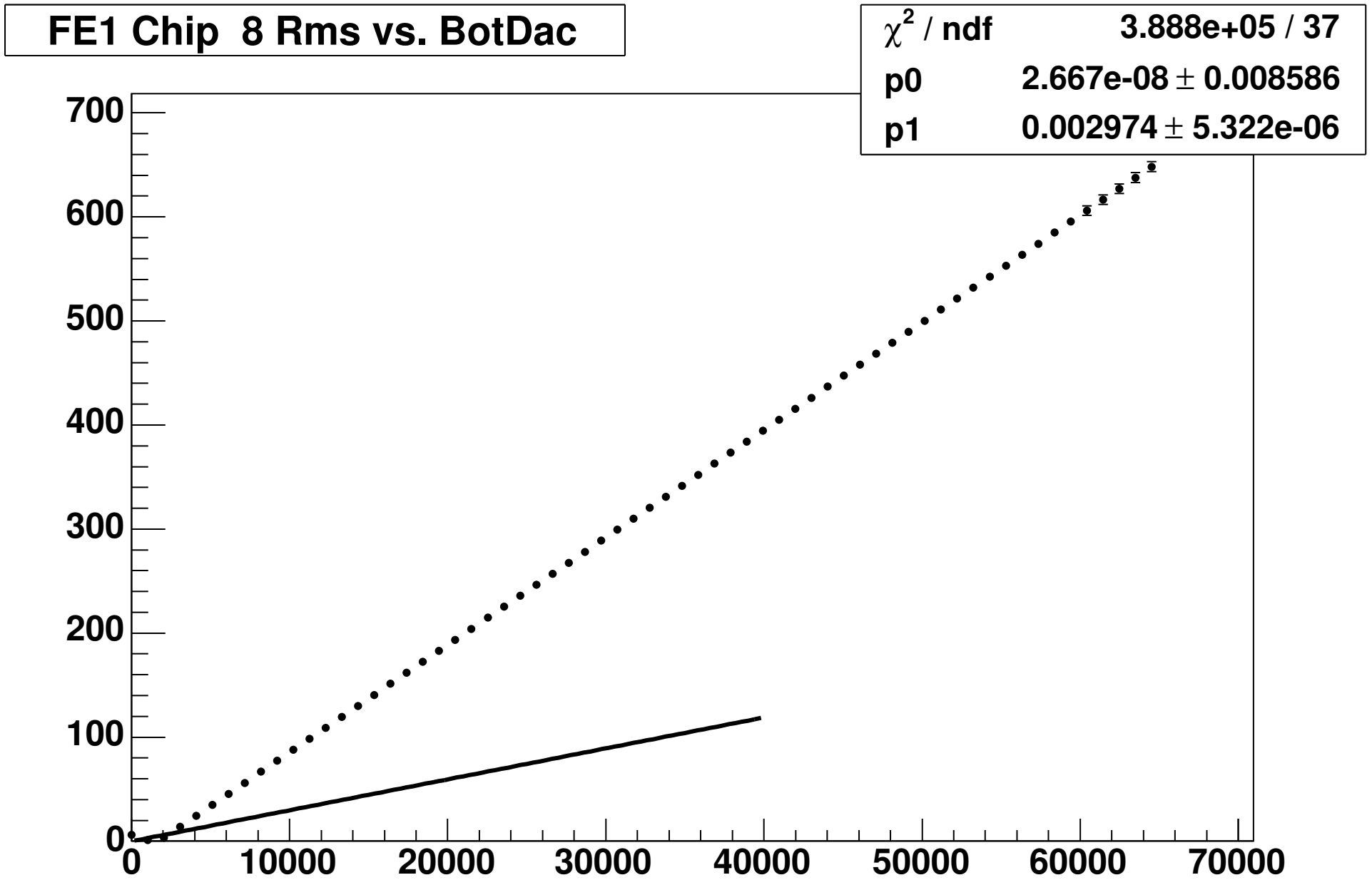
FE1 Chip 8 Rms vs. BotDac
χ² / ndf 3.888e+05 / 37
p0 2.667e-08 ± 0.008586
p1 0.002974 ± 5.322e-06
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600
500
400
300
200
100
0
0
10000
20000
30000
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60000
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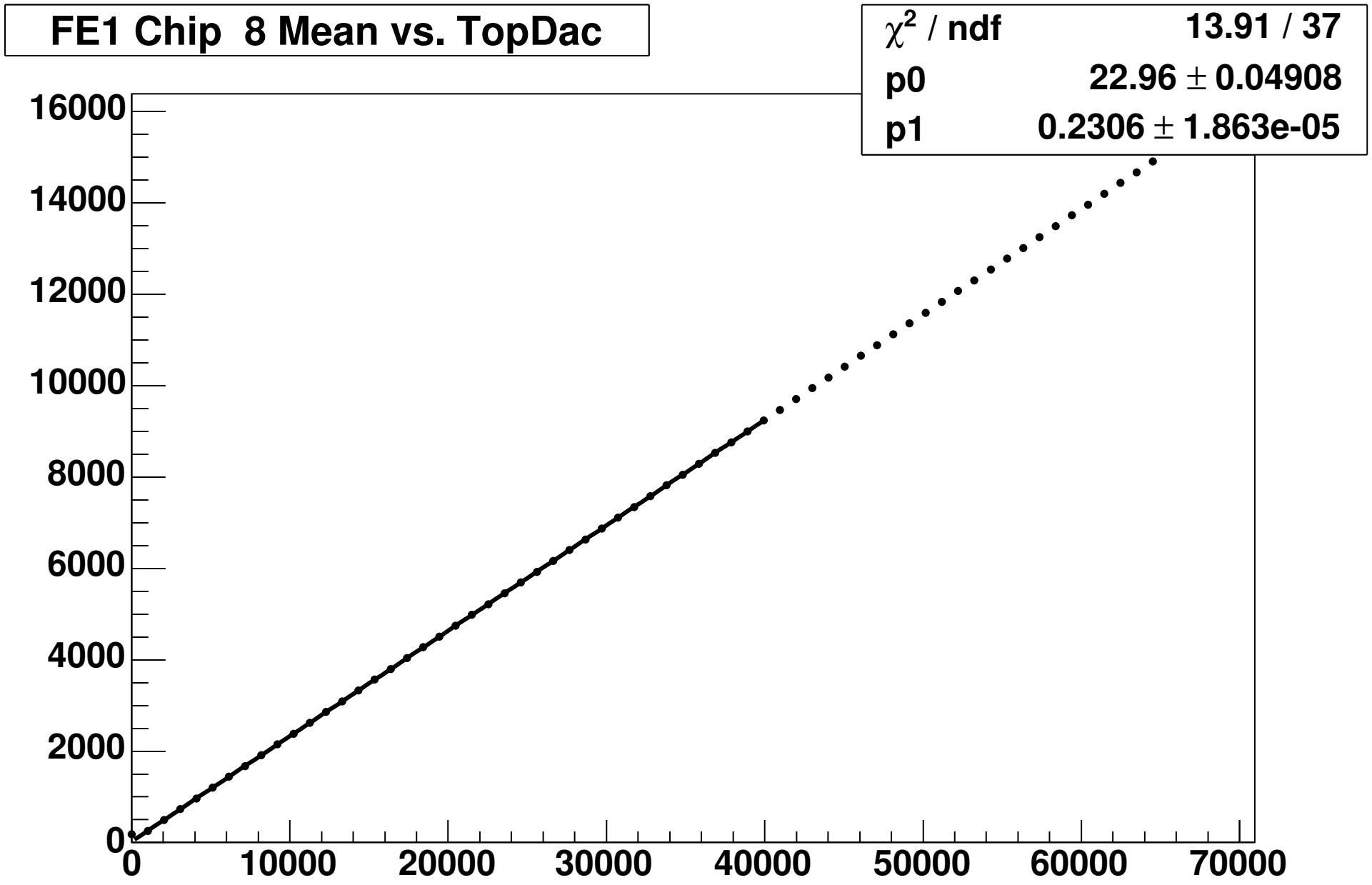
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 13.91 / 37
p0 22.96 ± 0.04908
p1 0.2306 ± 1.863e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
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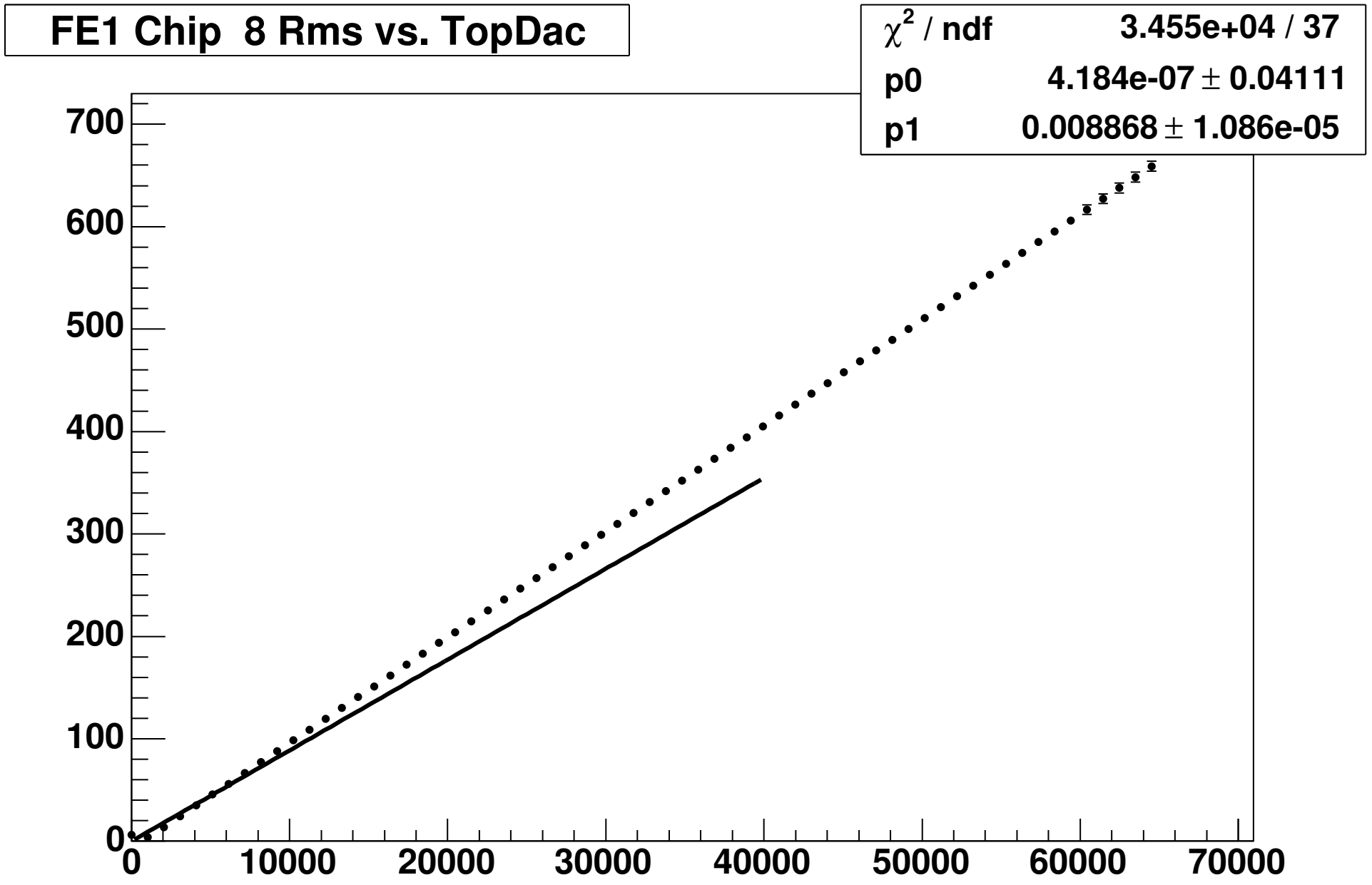
FE1 Chip 8 Rms vs. TopDac
χ² / ndf 3.455e+04 / 37
p0 4.184e-07 ± 0.04111
p1 0.008868 ± 1.086e-05
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600
500
400
300
200
100
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0
10000
20000
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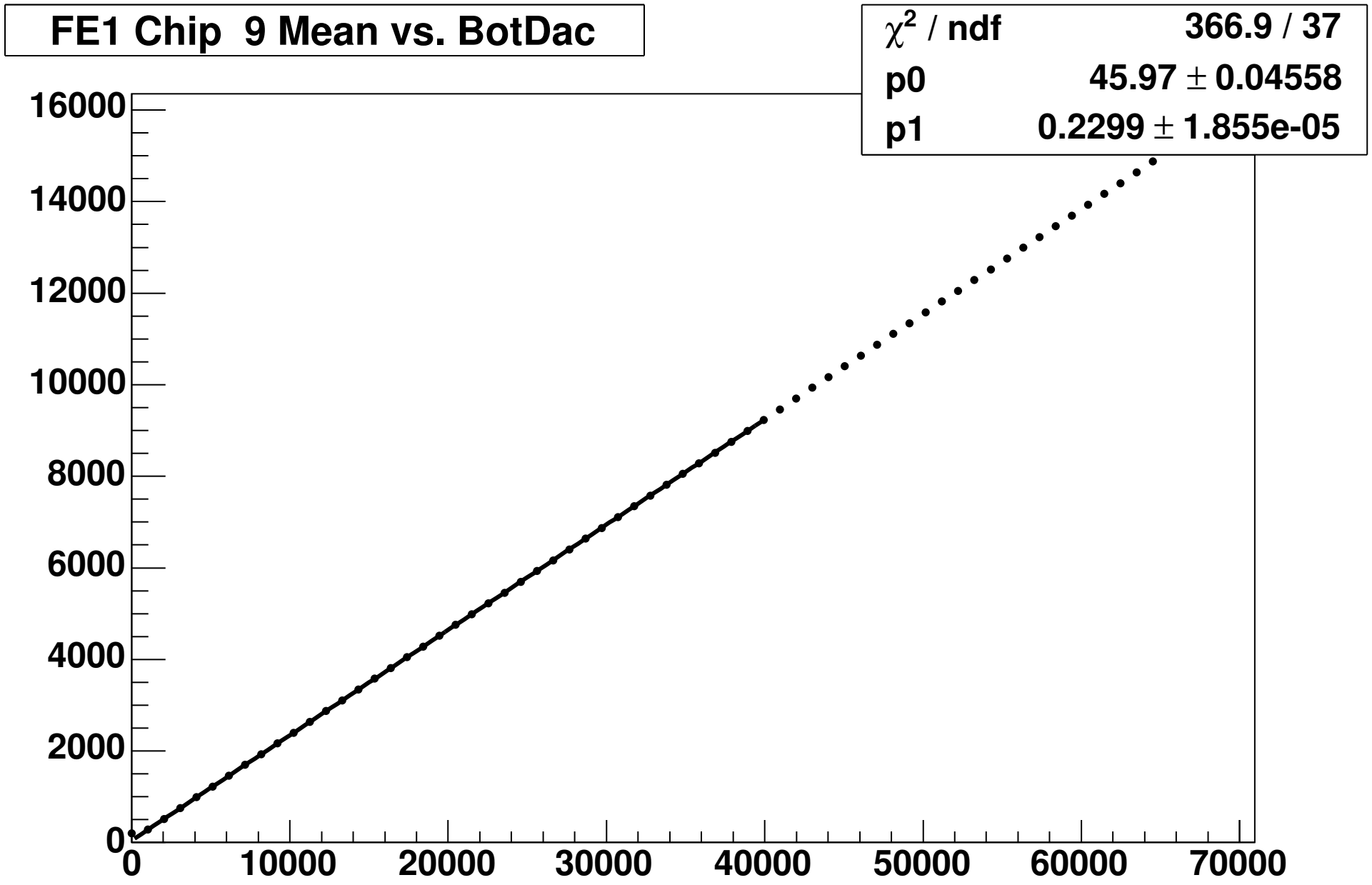
FE1 Chip 9 Mean vs. BotDac
χ² / ndf 366.9 / 37
p0 45.97 ± 0.04558
p1 0.2299 ± 1.855e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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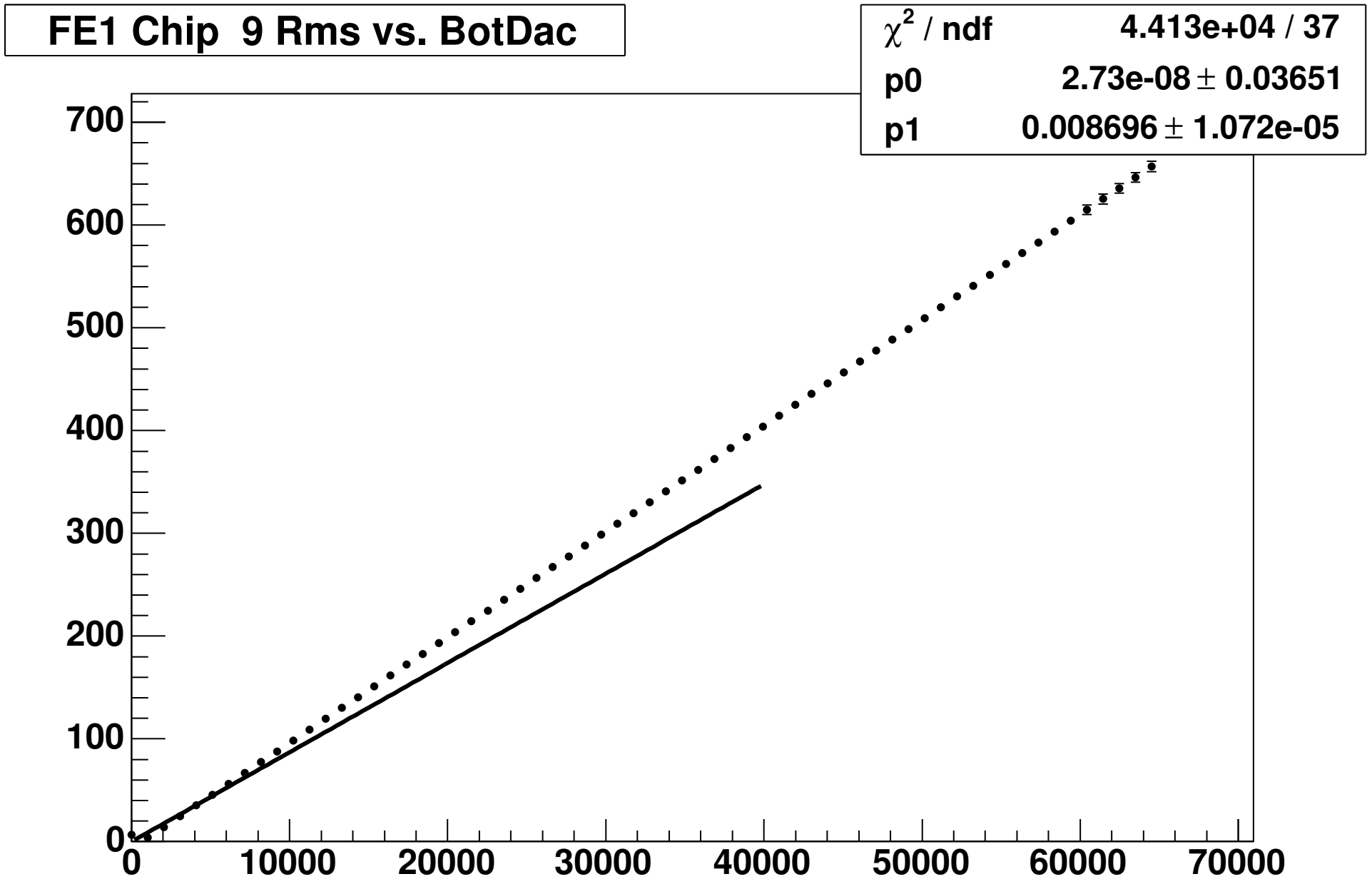
FE1 Chip 9 Rms vs. BotDac
χ² / ndf 4.413e+04 / 37
p0 2.73e-08 ± 0.03651
p1 0.008696 ± 1.072e-05
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600
500
400
300
200
100
0
0
10000
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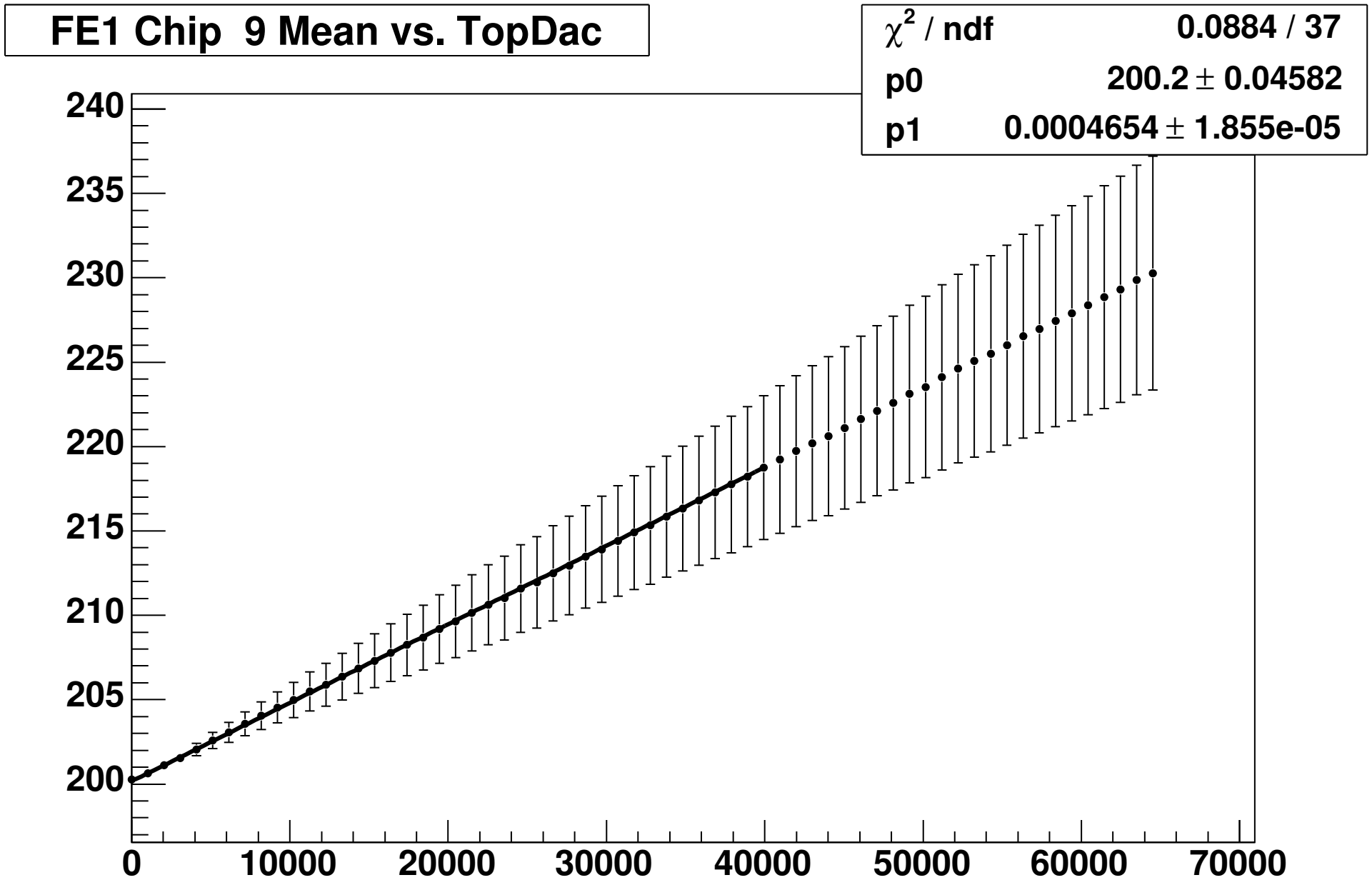
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 0.0884 / 37
p0 200.2 ± 0.04582
p1 0.0004654 ± 1.855e-05
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235
230
225
220
215
210
205
200
0
10000
20000
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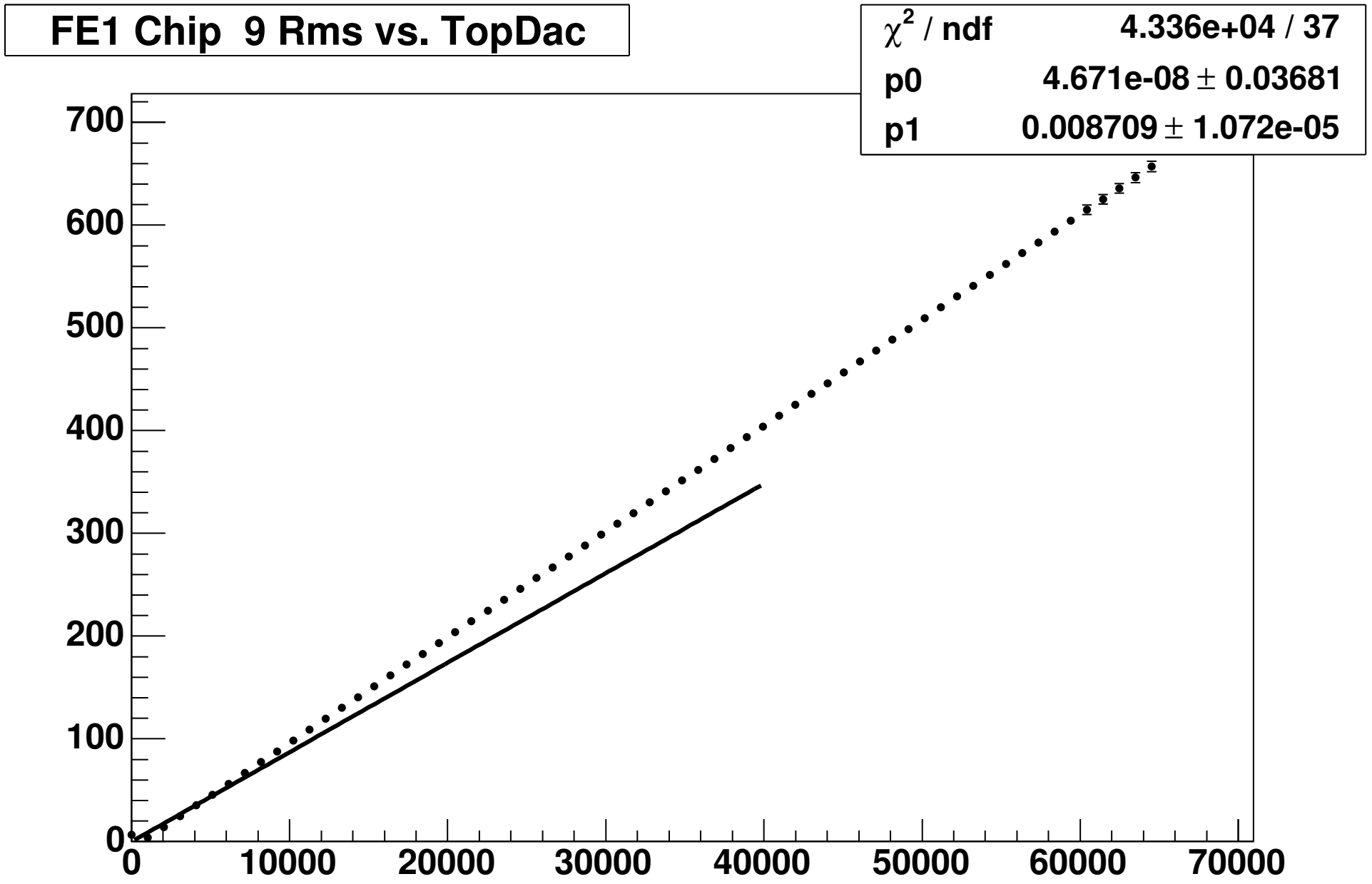
FE1 Chip 9 Rms vs. TopDac
χ² / ndf 4.336e+04 / 37
p0 4.671e-08 ± 0.03681
p1 0.008709 ± 1.072e-05
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600
500
400
300
200
100
0
0
10000
20000
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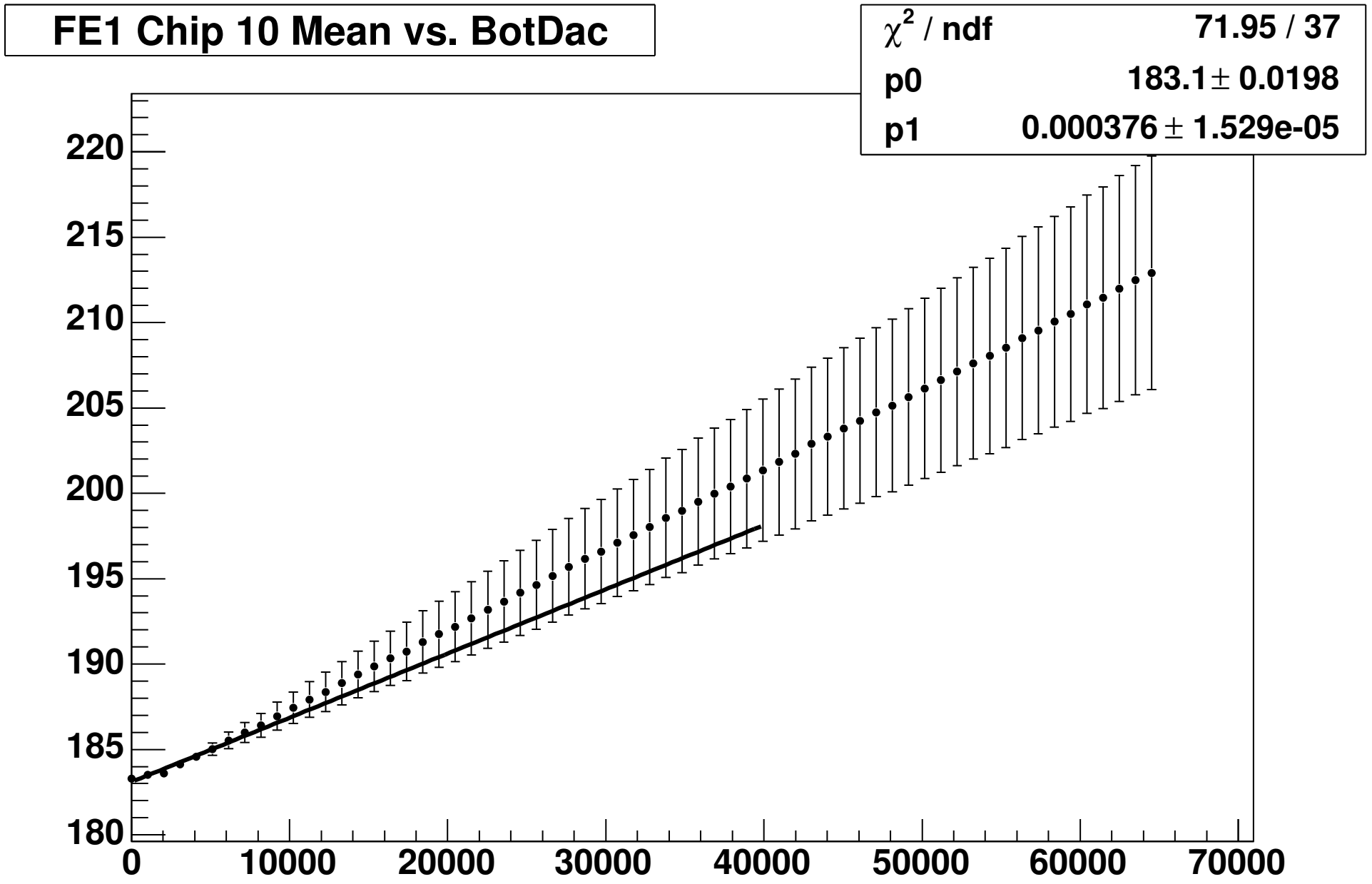
FE1 Chip 10 Mean vs. BotDac
χ² / ndf 71.95 / 37
p0 183.1 ± 0.0198
p1 0.000376 ± 1.529e-05
220
215
210
205
200
195
190
185
180
0
10000
20000
30000
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50000
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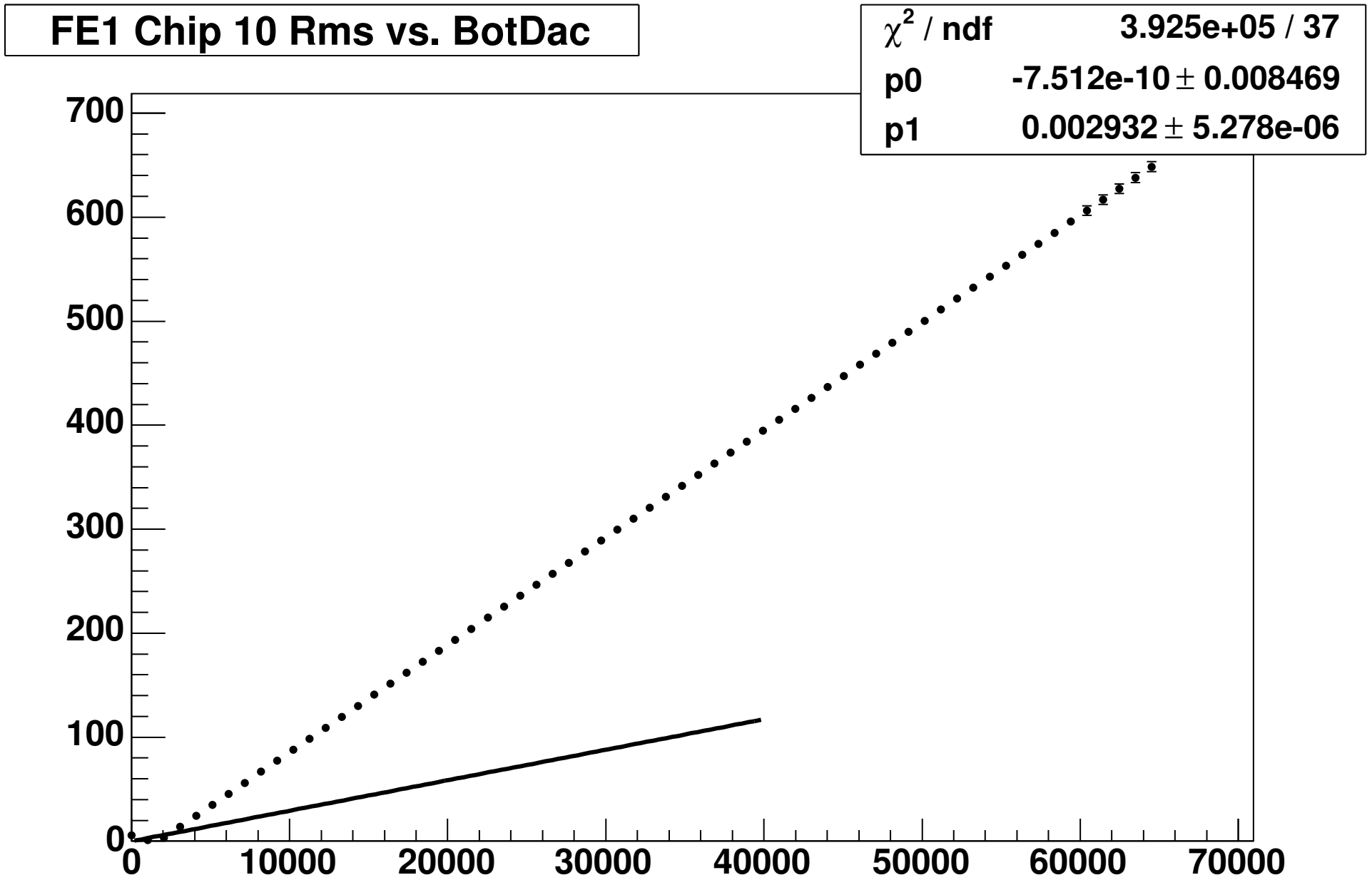
FE1 Chip 10 Rms vs. BotDac
χ² / ndf 3.925e+05 / 37
p0 -7.512e-10 ± 0.008469
p1 0.002932 ± 5.278e-06
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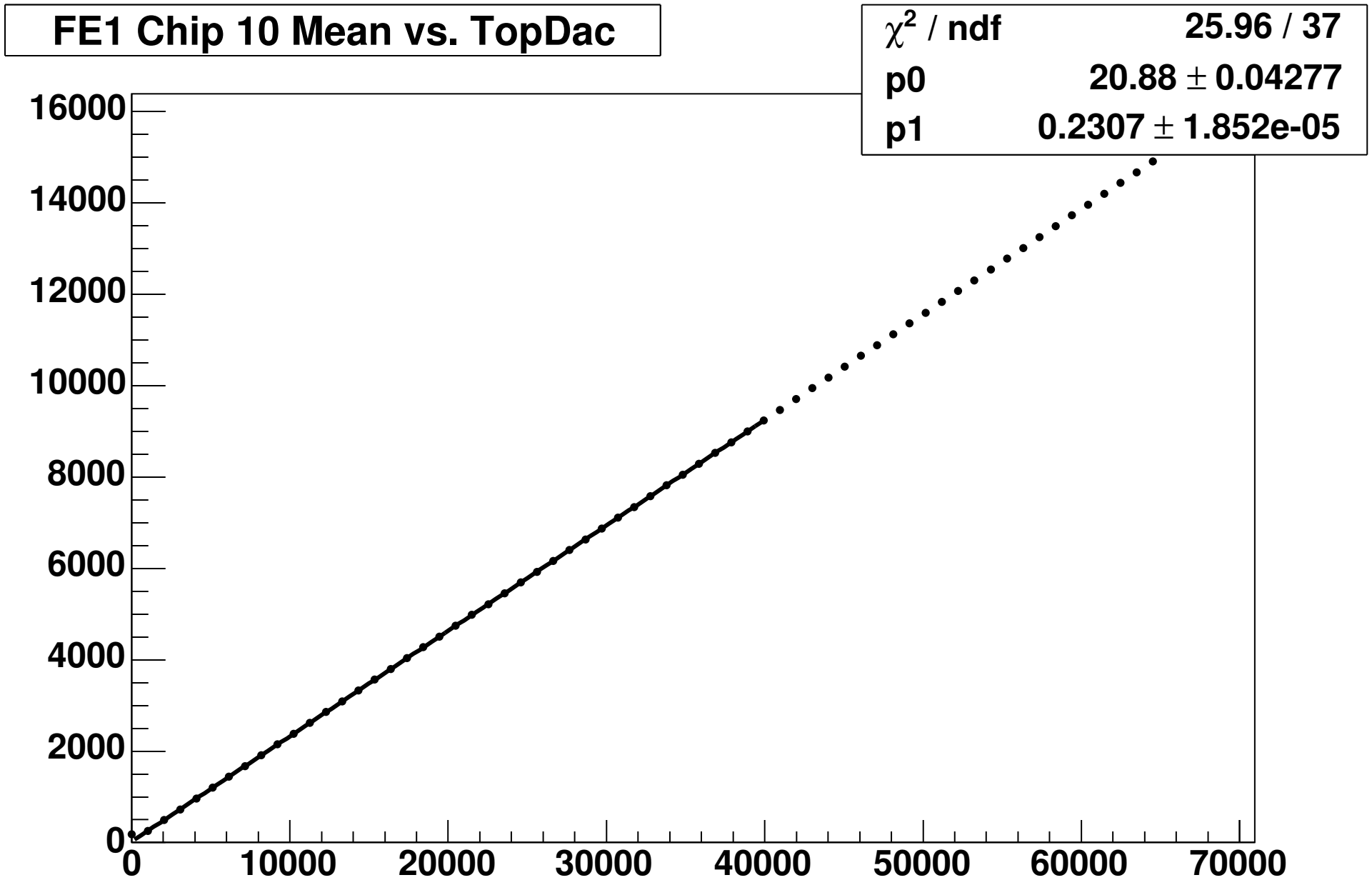
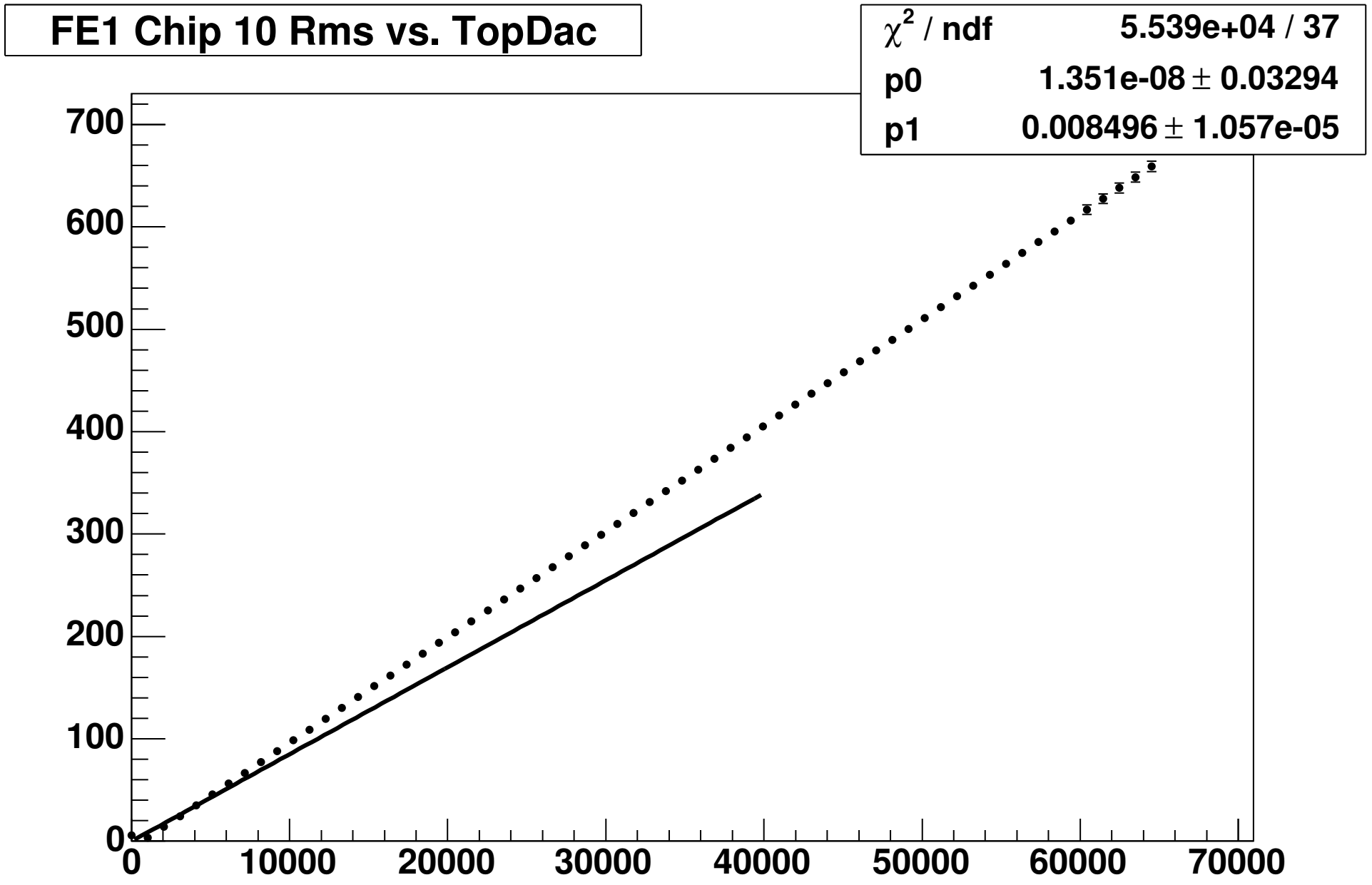
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 25.96 / 37
p0 20.88 ± 0.04277
p1 0.2307 ± 1.852e-05
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 5.539e+04 / 37
p0 1.351e-08 ± 0.03294
p1 0.008496 ± 1.057e-05
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600
500
400
300
200
100
0
0
10000
20000
30000
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50000
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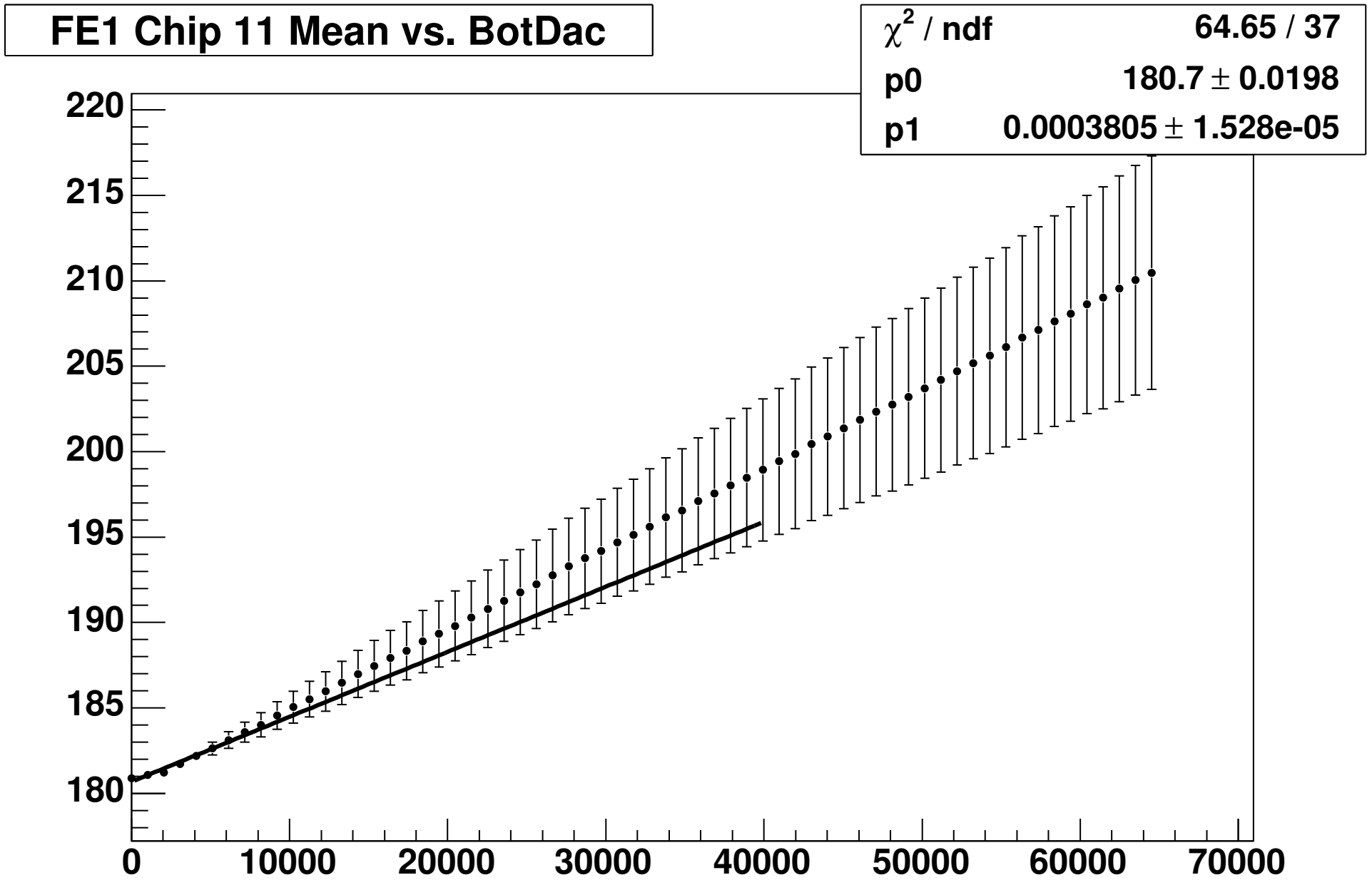
FE1 Chip 11 Mean vs. BotDac
χ² / ndf 64.65 / 37
p0 180.7 ± 0.0198
p1 0.0003805 ± 1.528e-05
220
215
210
205
200
195
190
185
180
0
10000
20000
30000
40000
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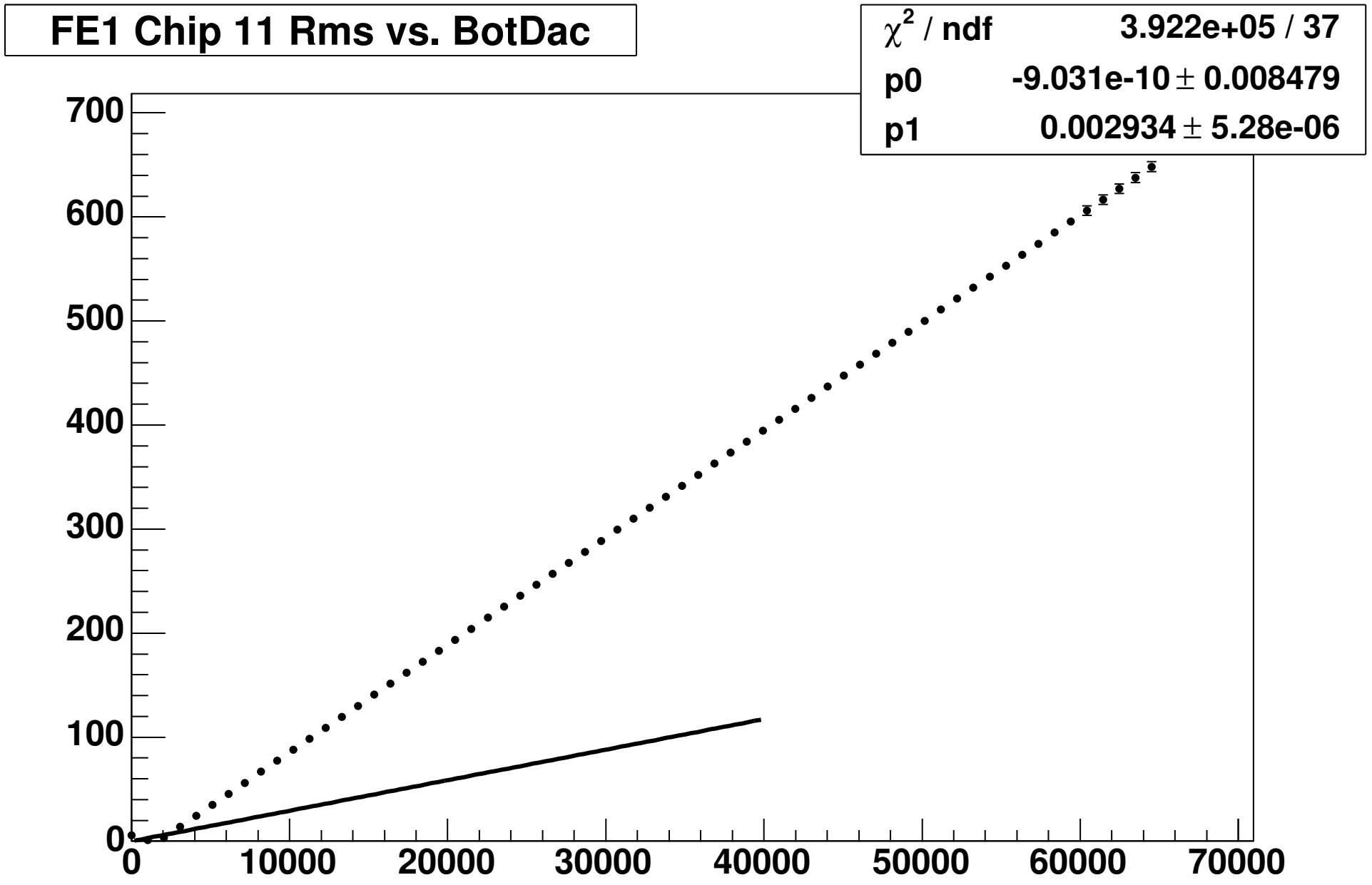
FE1 Chip 11 Rms vs. BotDac
χ² / ndf 3.922e+05 / 37
p0 -9.031e-10 ± 0.008479
p1 0.002934 ± 5.28e-06
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500
400
300
200
100
0
0
10000
20000
30000
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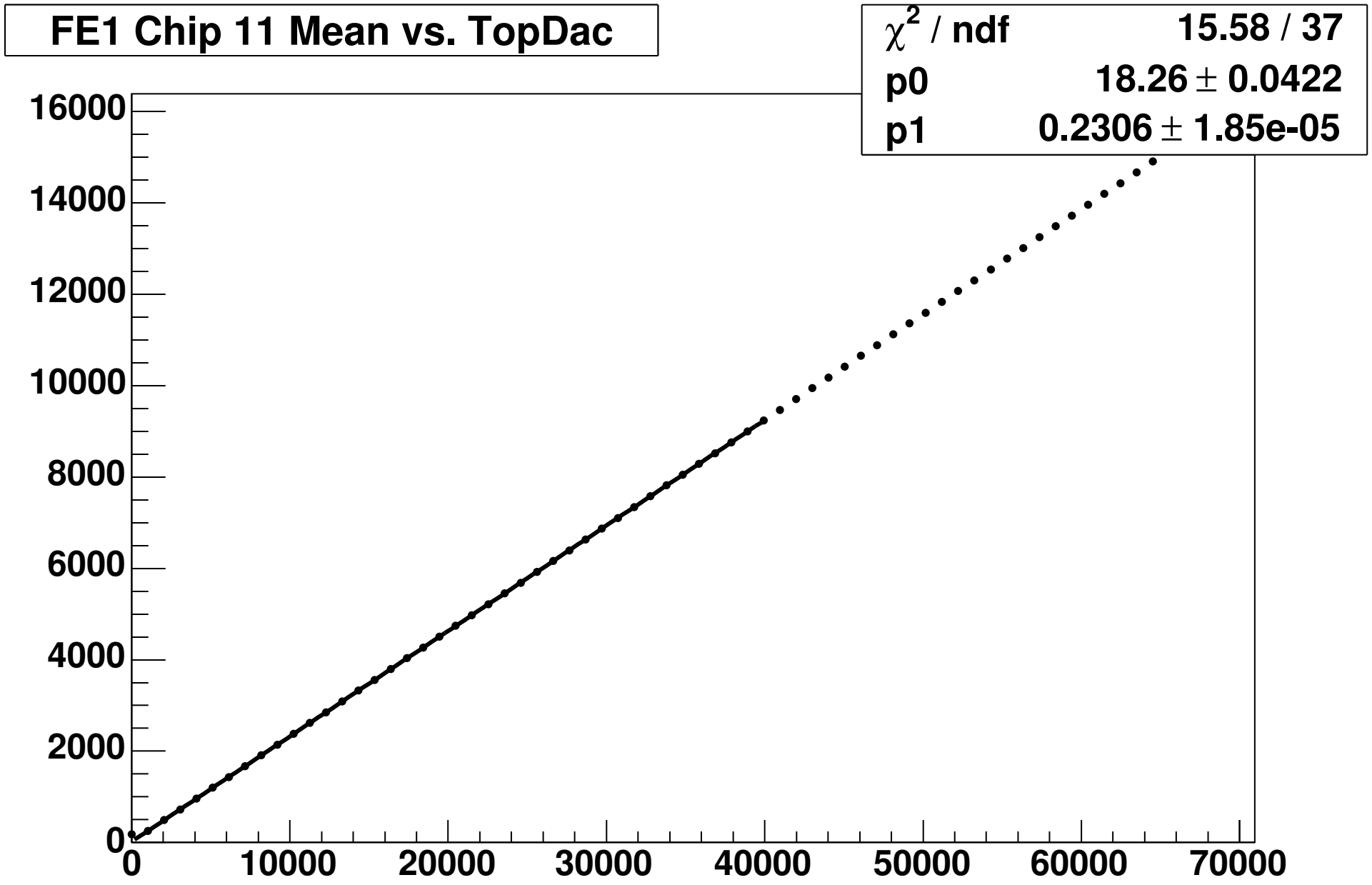
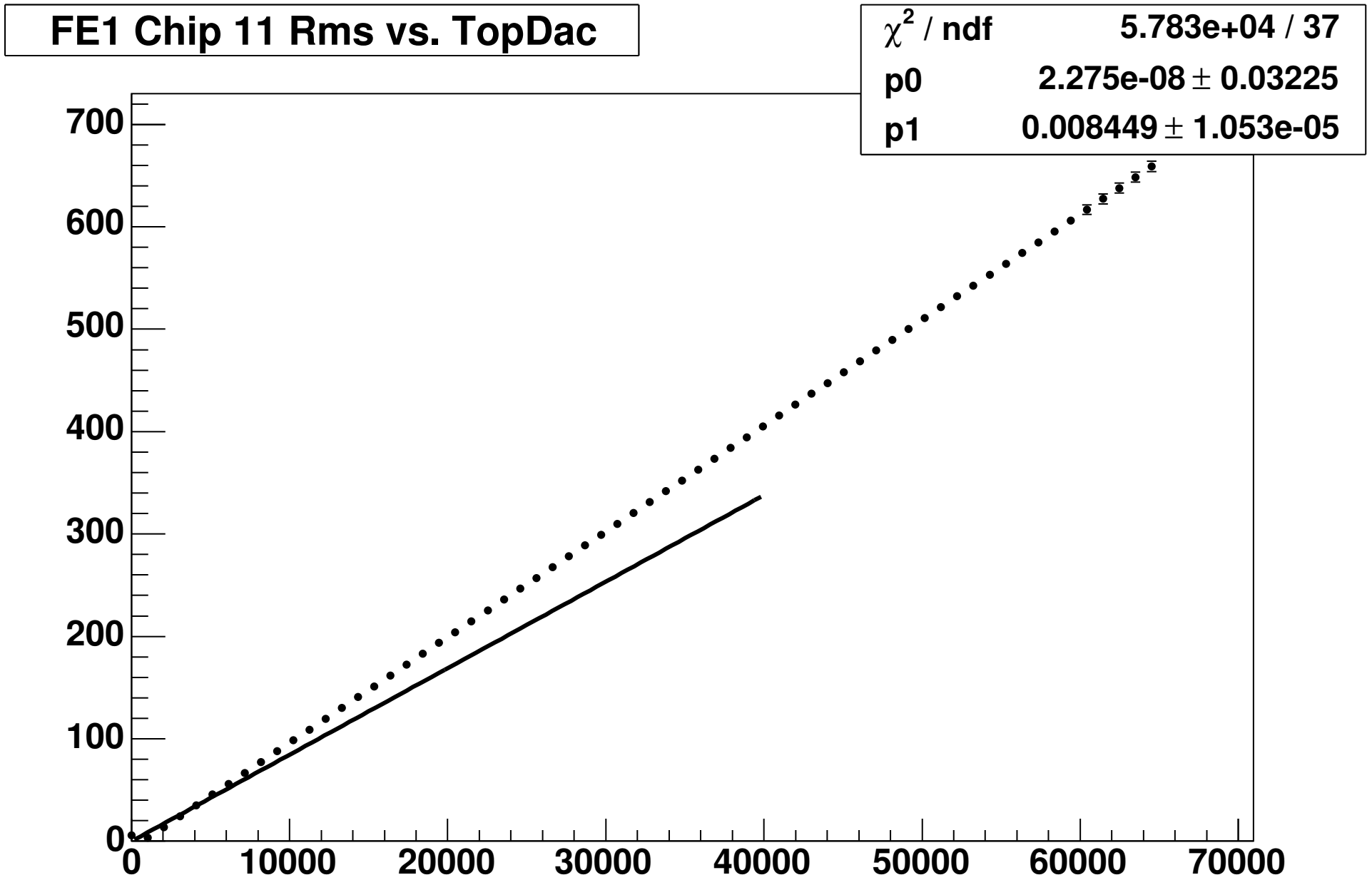
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 15.58 / 37
p0 18.26 ± 0.0422
p1 0.2306 ± 1.85e-05
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 5.783e+04 / 37
p0 2.275e-08 ± 0.03225
p1 0.008449 ± 1.053e-05
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600
500
400
300
200
100
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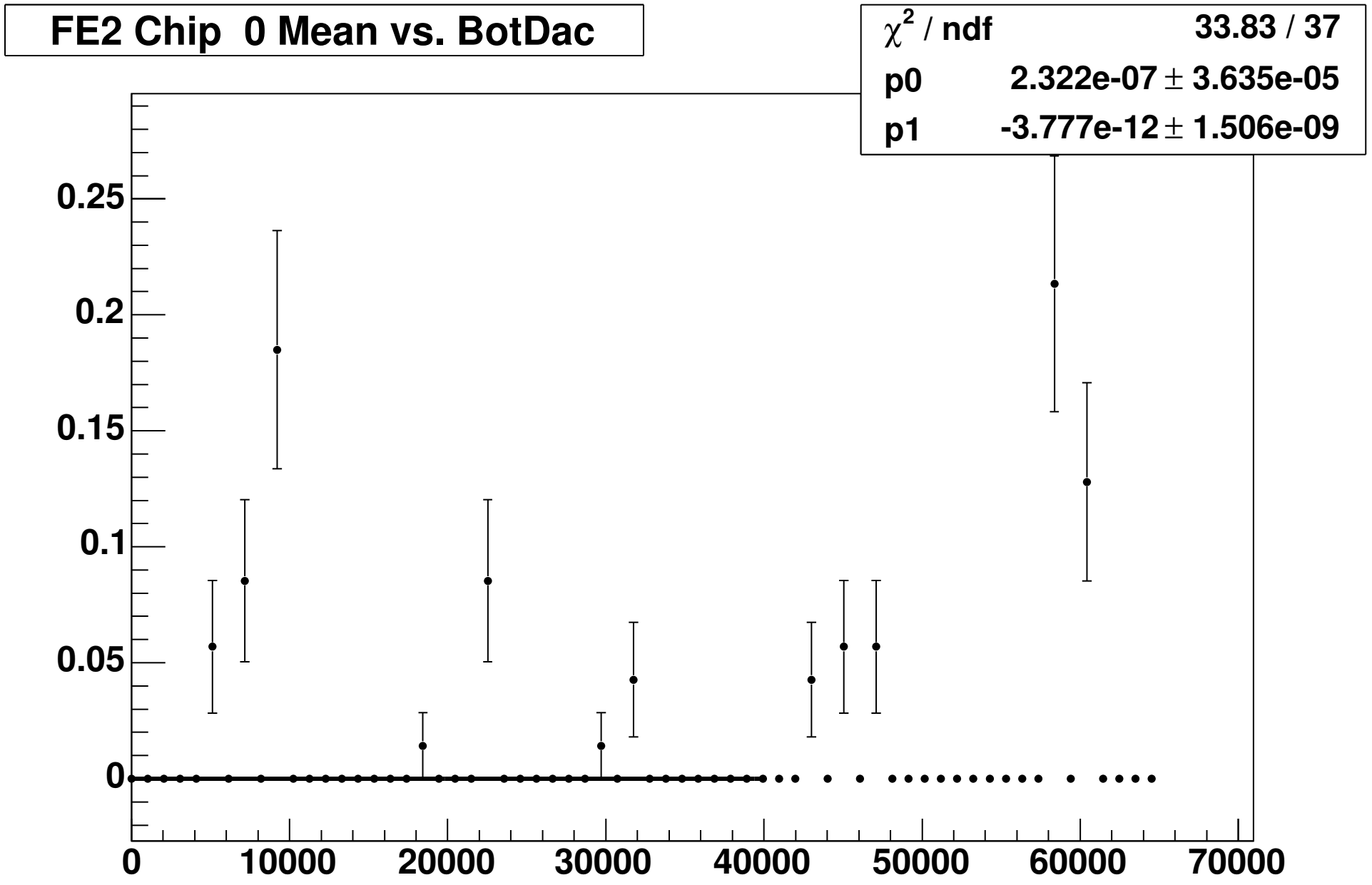
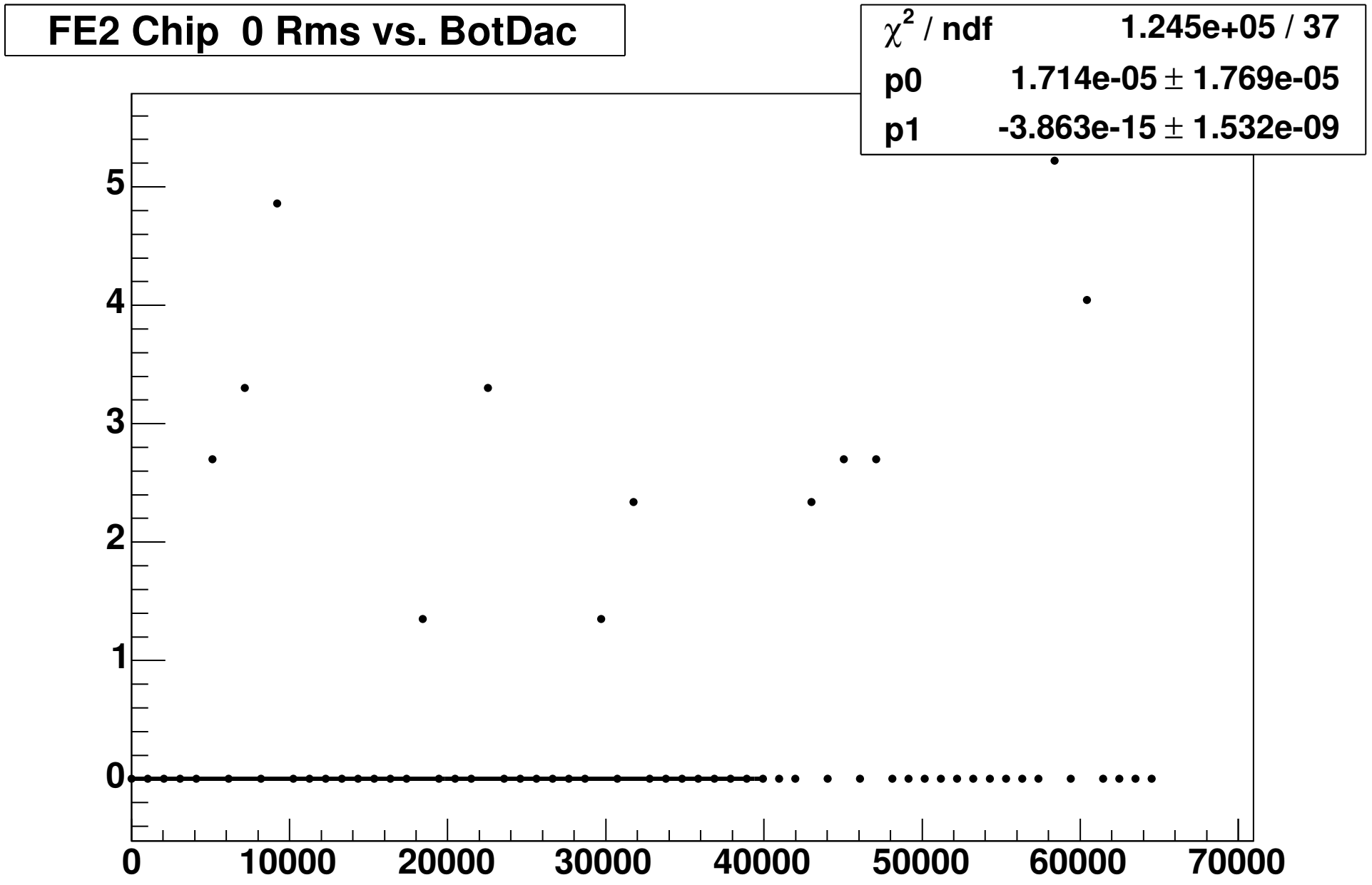
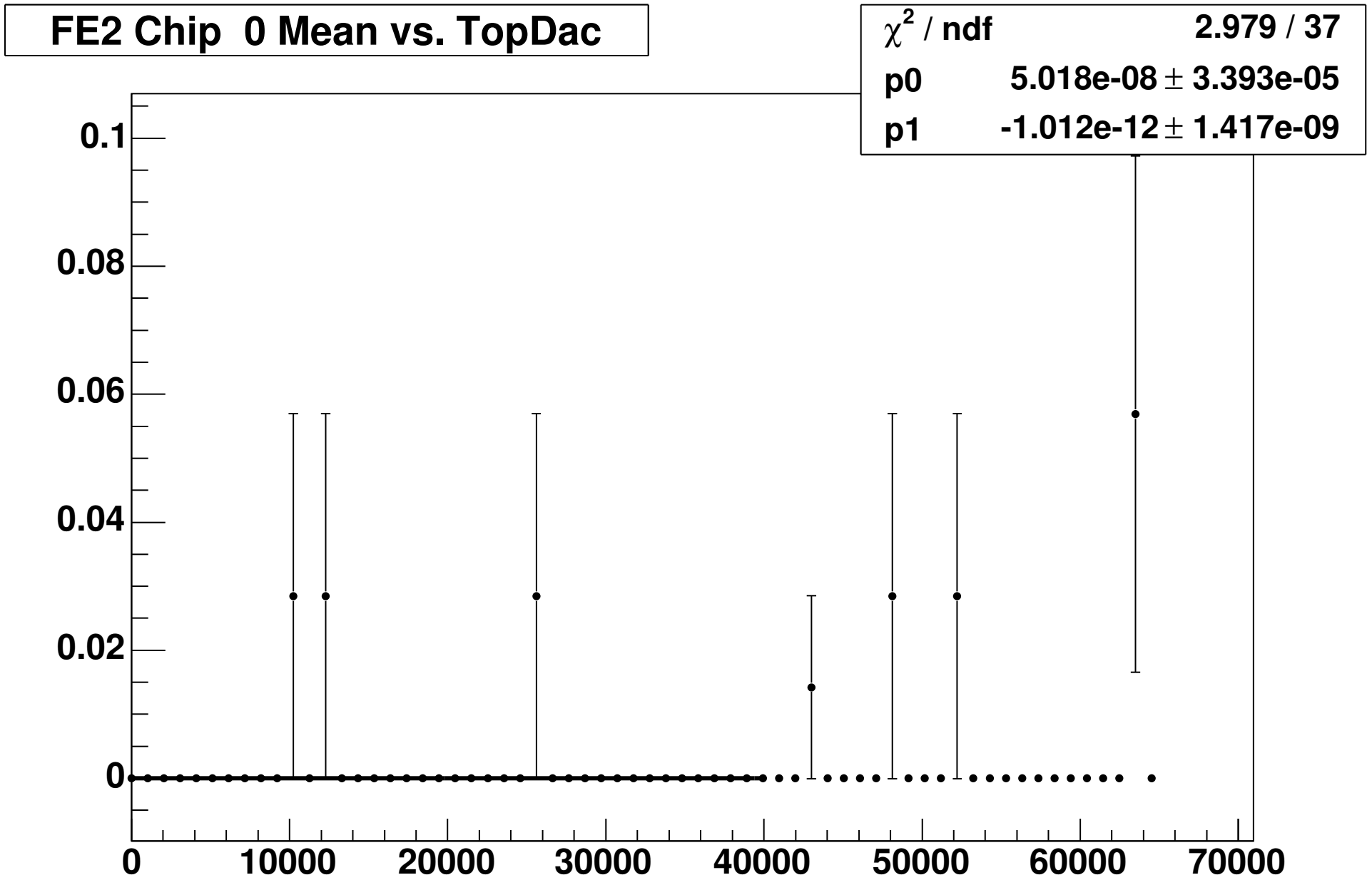
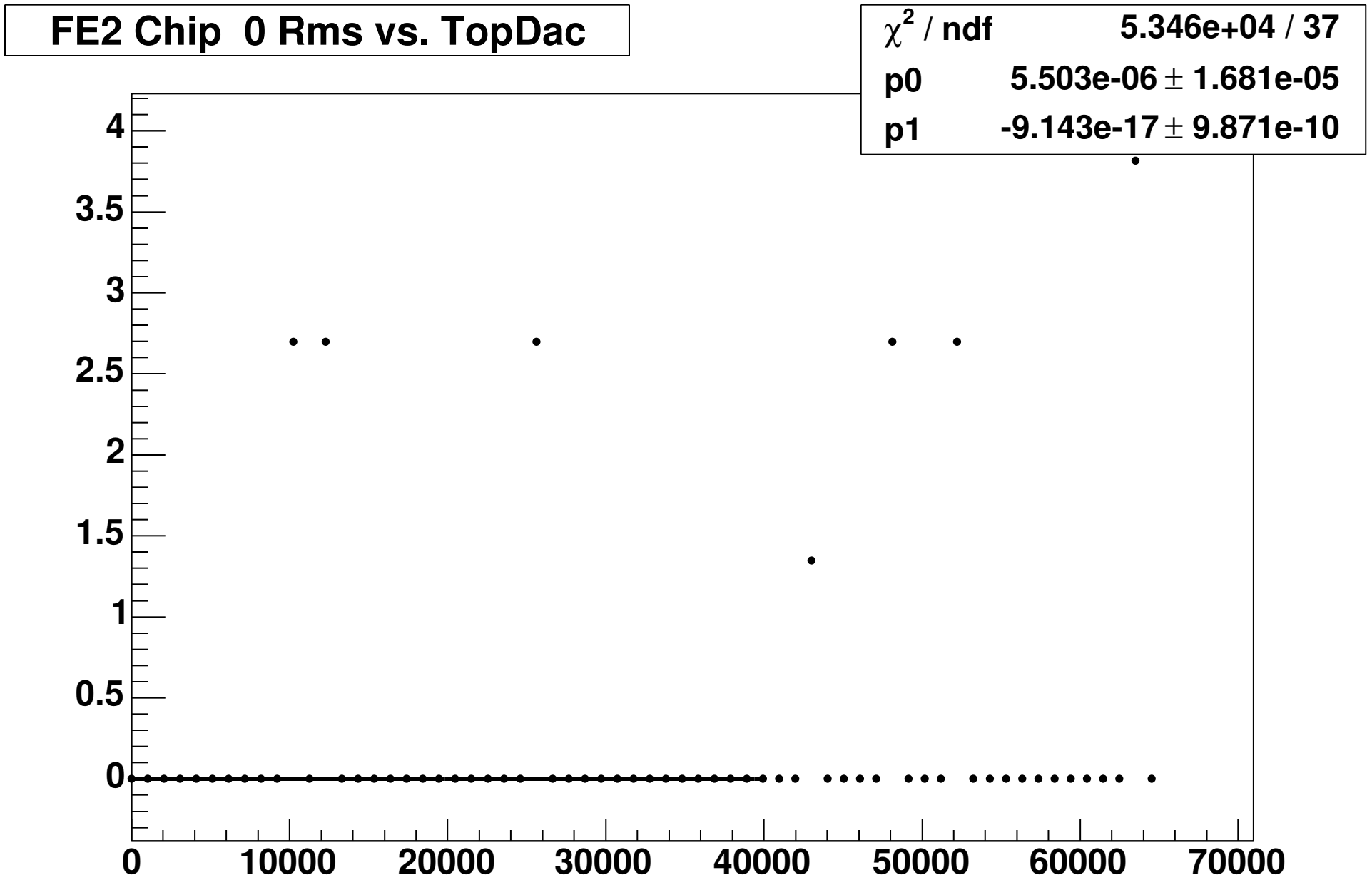
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 33.83 / 37
p0 2.322e-07 ± 3.635e-05
p1 -3.777e-12 ± 1.506e-09
0.25
0.2
0.15
0.1
0.05
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 1.245e+05 / 37
p0 1.714e-05 ± 1.769e-05
p1 -3.863e-15 ± 1.532e-09
0
1
2
3
4
5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 2.979 / 37
p0 5.018e-08 ± 3.393e-05
p1 -1.012e-12 ± 1.417e-09
0.1
0.08
0.06
0.04
0.02
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 5.346e+04 / 37
p0 5.503e-06 ± 1.681e-05
p1 -9.143e-17 ± 9.871e-10
4
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
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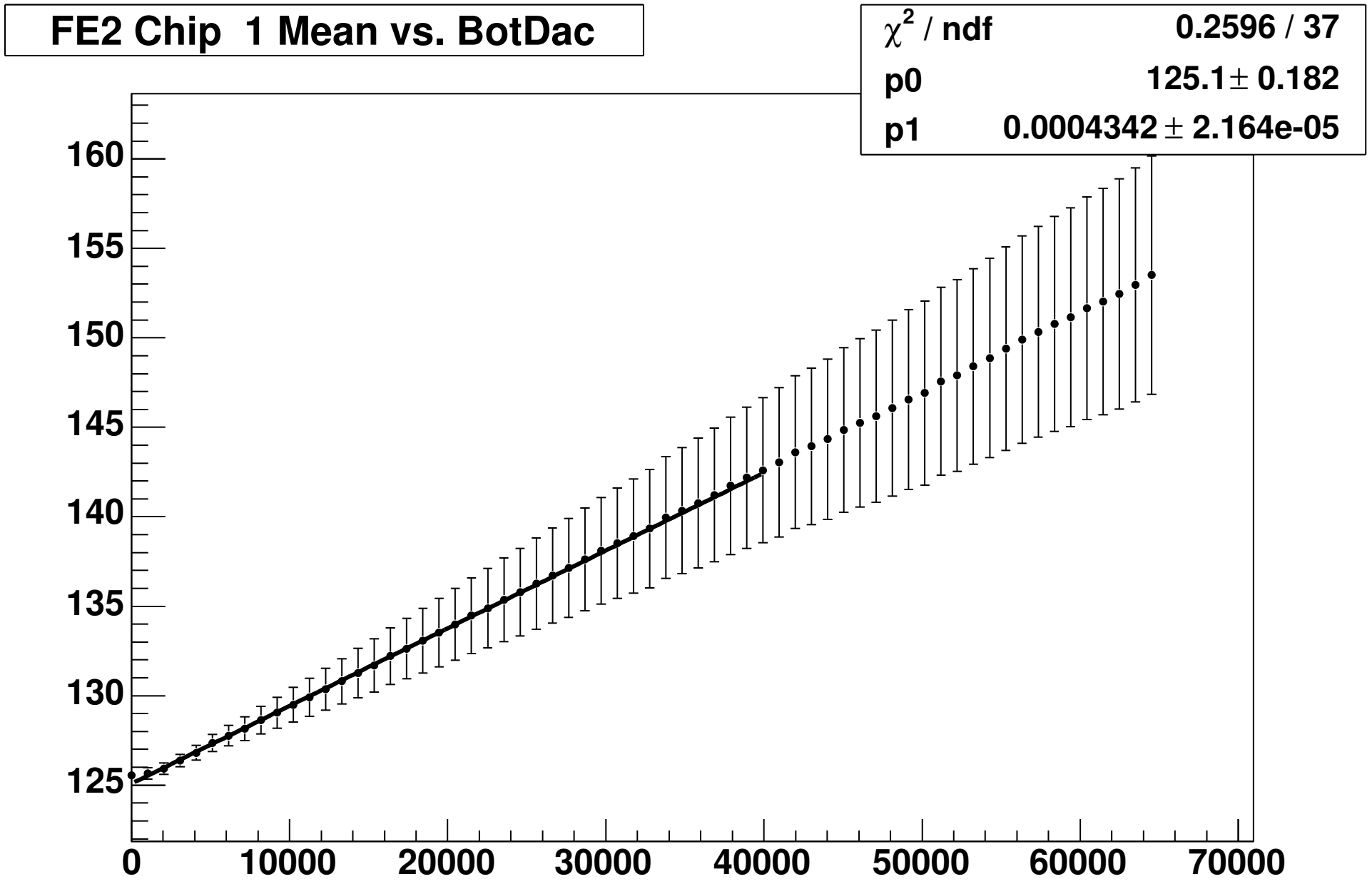
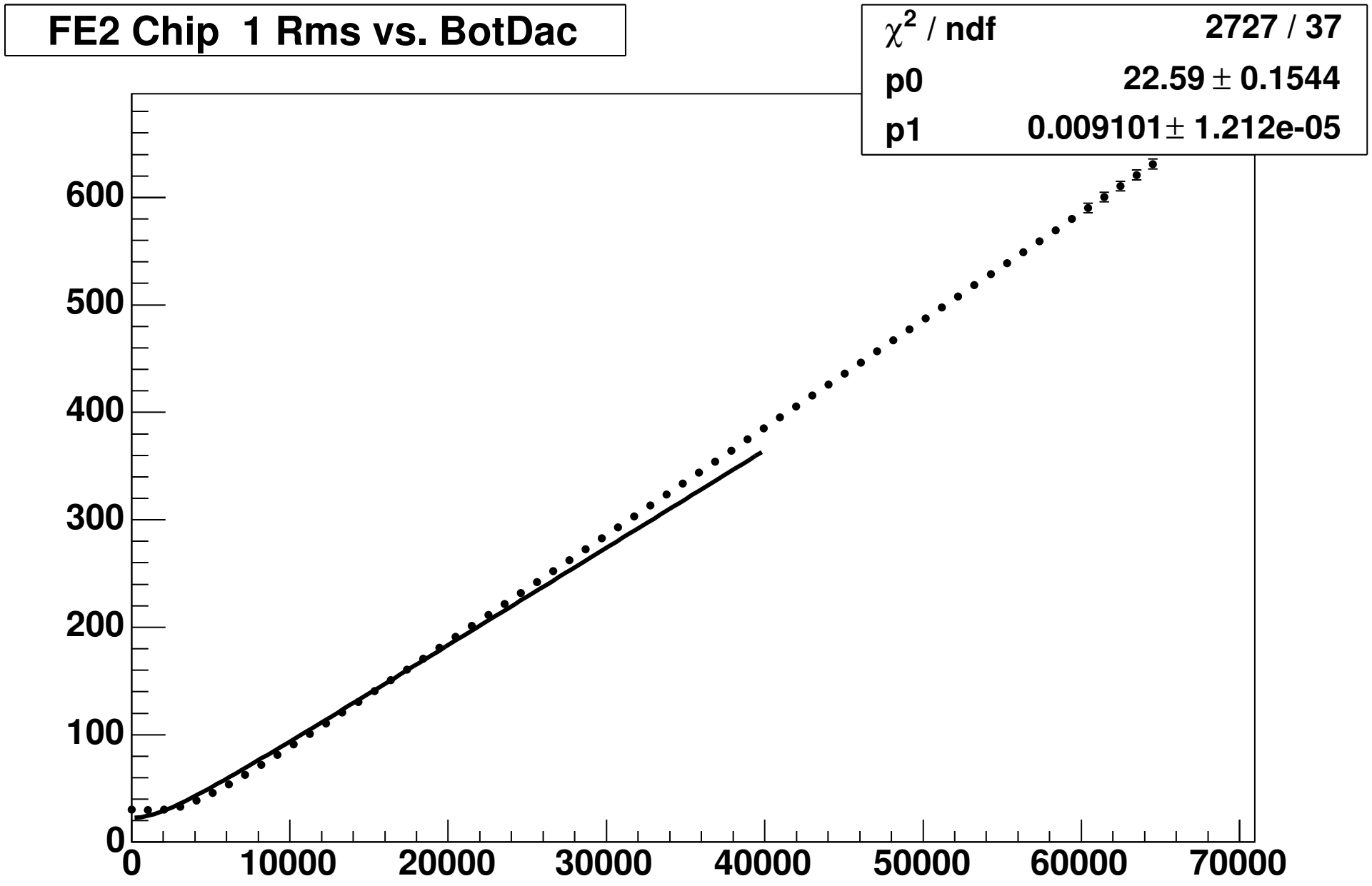
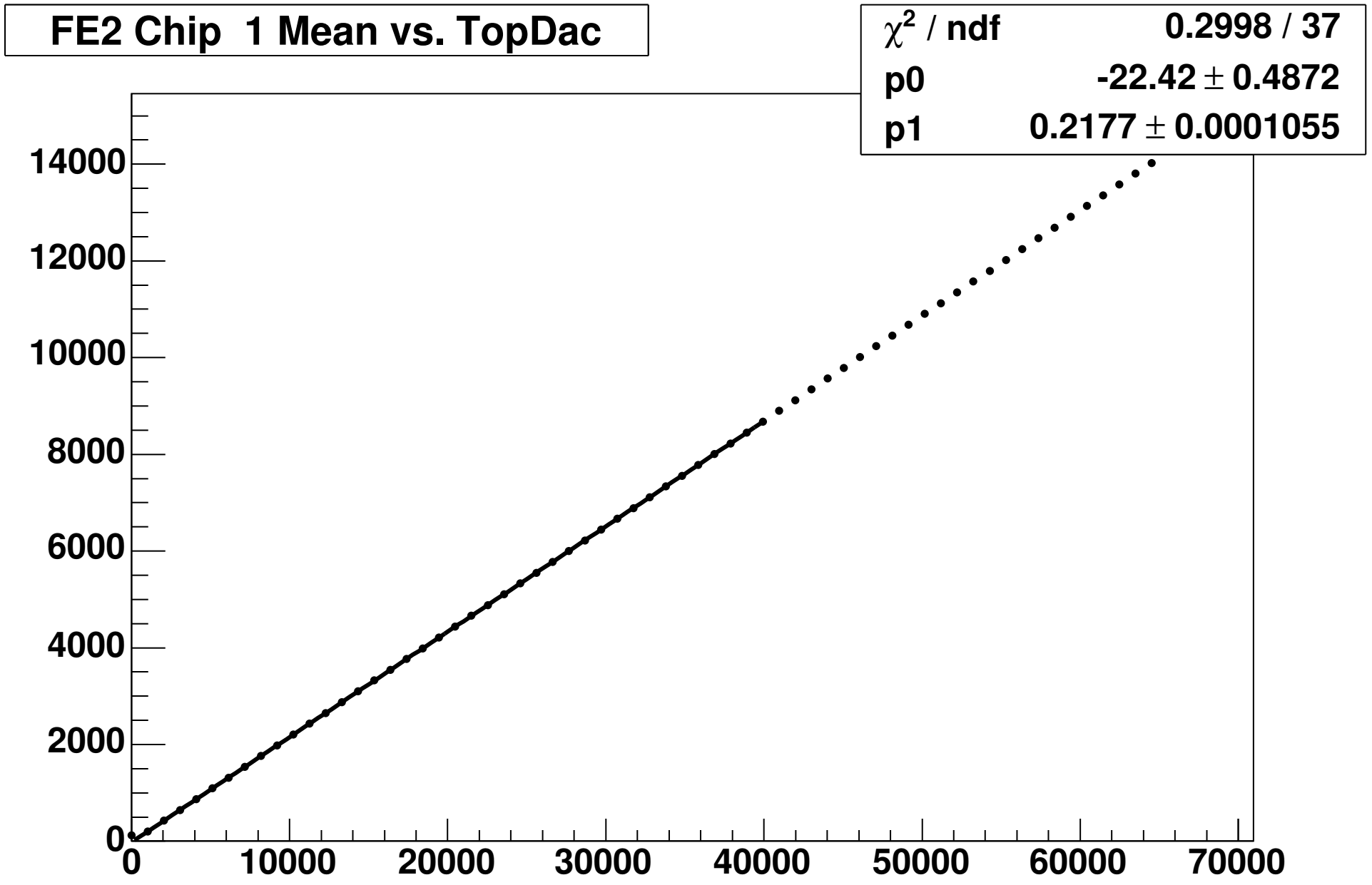

FE2 Chip 1 Mean vs. BotDac
χ² / ndf 0.2596 / 37
p0 125.1 ± 0.182
p1 0.0004342 ± 2.164e-05
160
155
150
145
140
135
130
125
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 2727 / 37
p0 22.59 ± 0.1544
p1 0.009101 ± 1.212e-05
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 0.2998 / 37
p0 -22.42 ± 0.4872
p1 0.2177 ± 0.0001055
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
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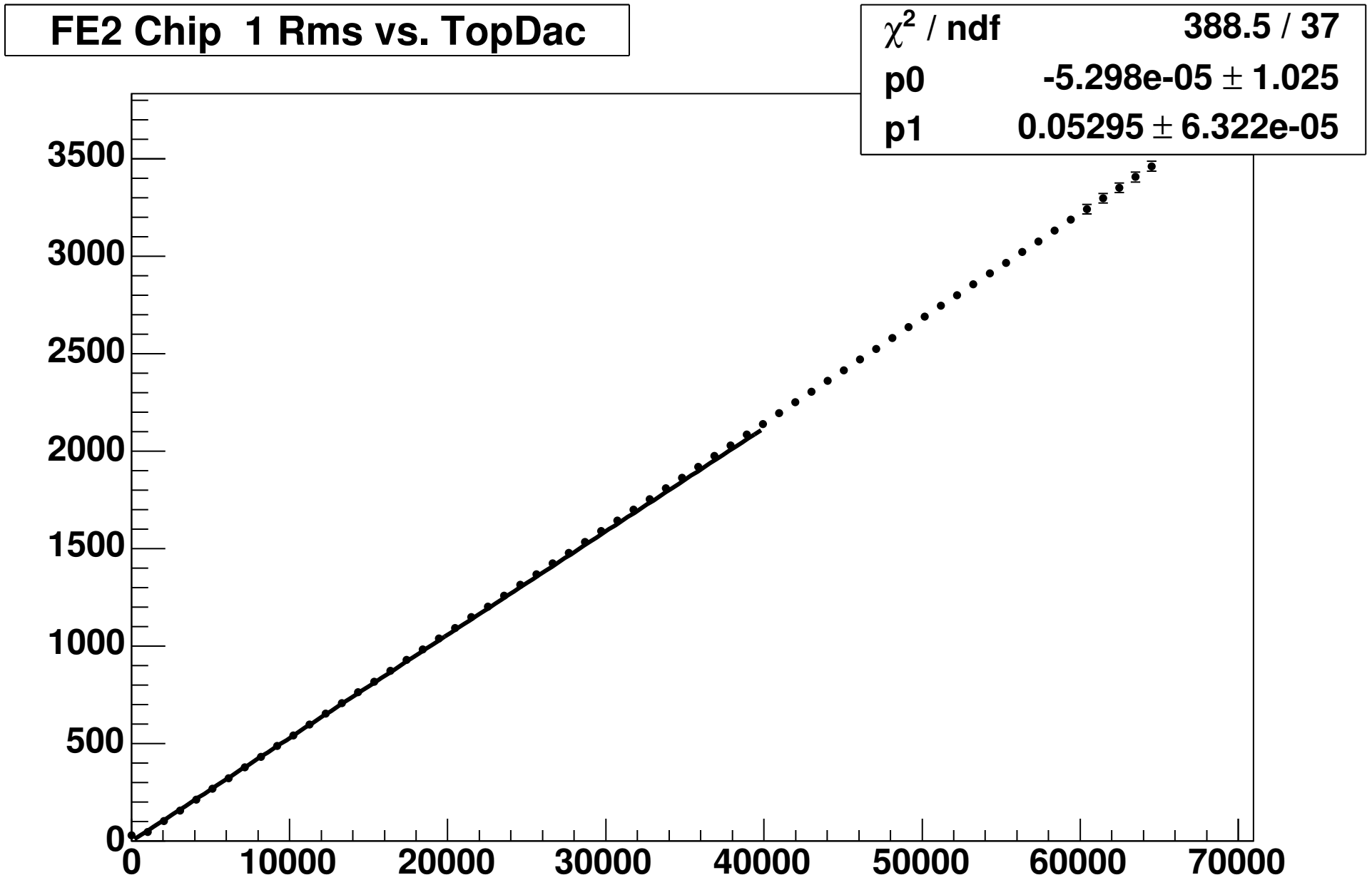
60000
70000


FE2 Chip 1 Rms vs. TopDac
χ² / ndf 388.5 / 37
p0 -5.298e-05 ± 1.025
p1 0.05295 ± 6.322e-05
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
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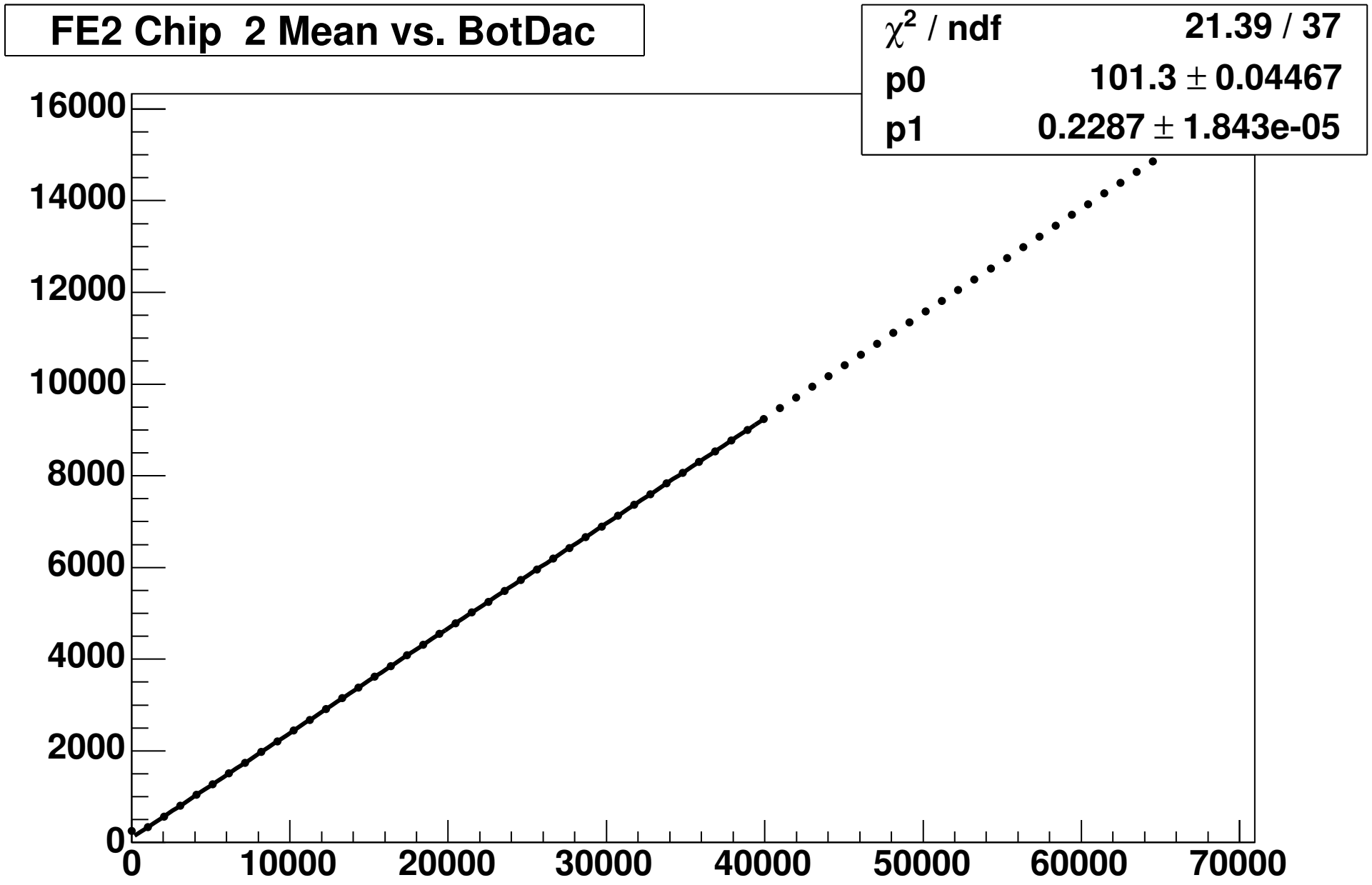
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 21.39 / 37
p0 101.3 ± 0.04467
p1 0.2287 ± 1.843e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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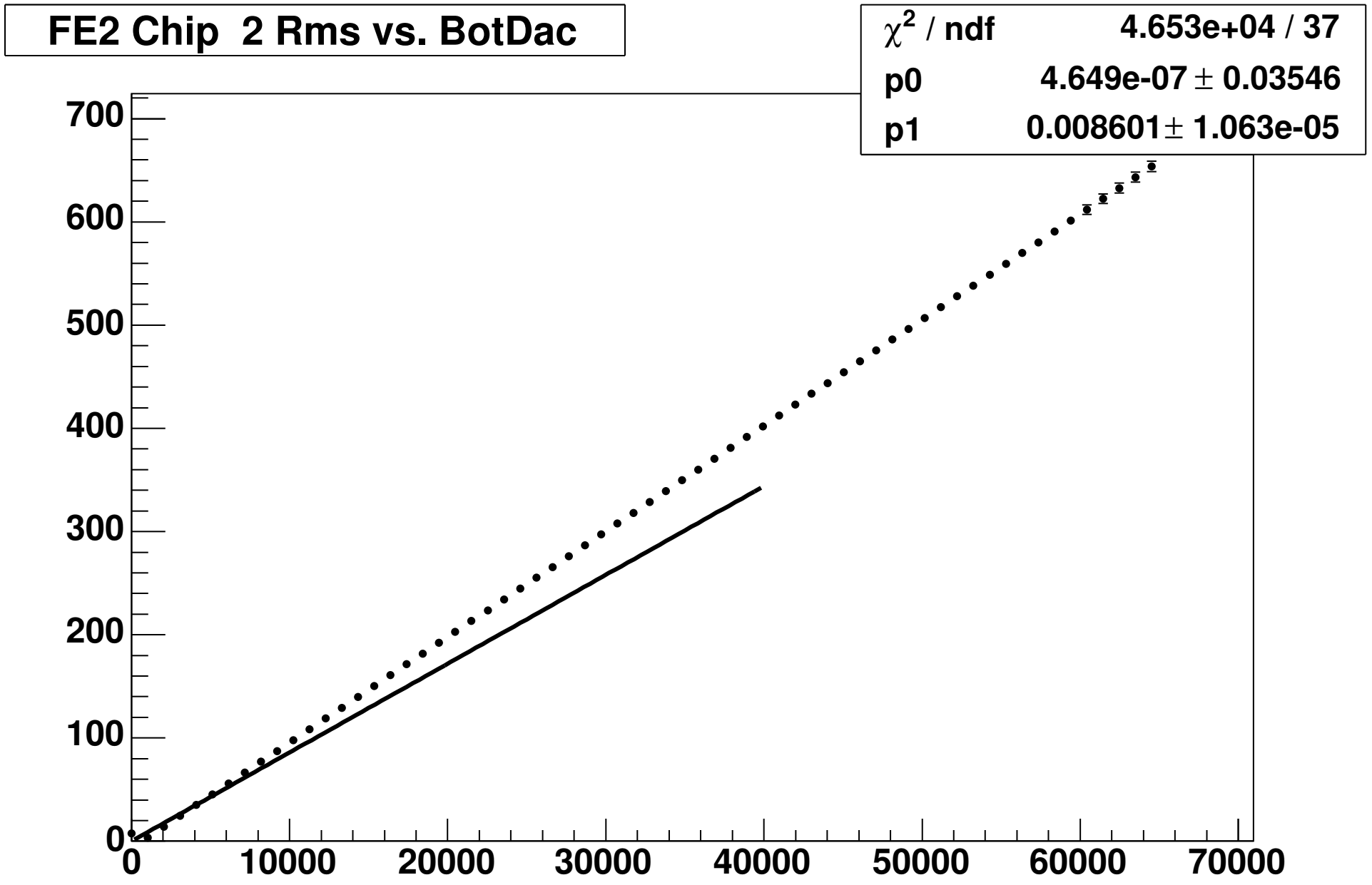
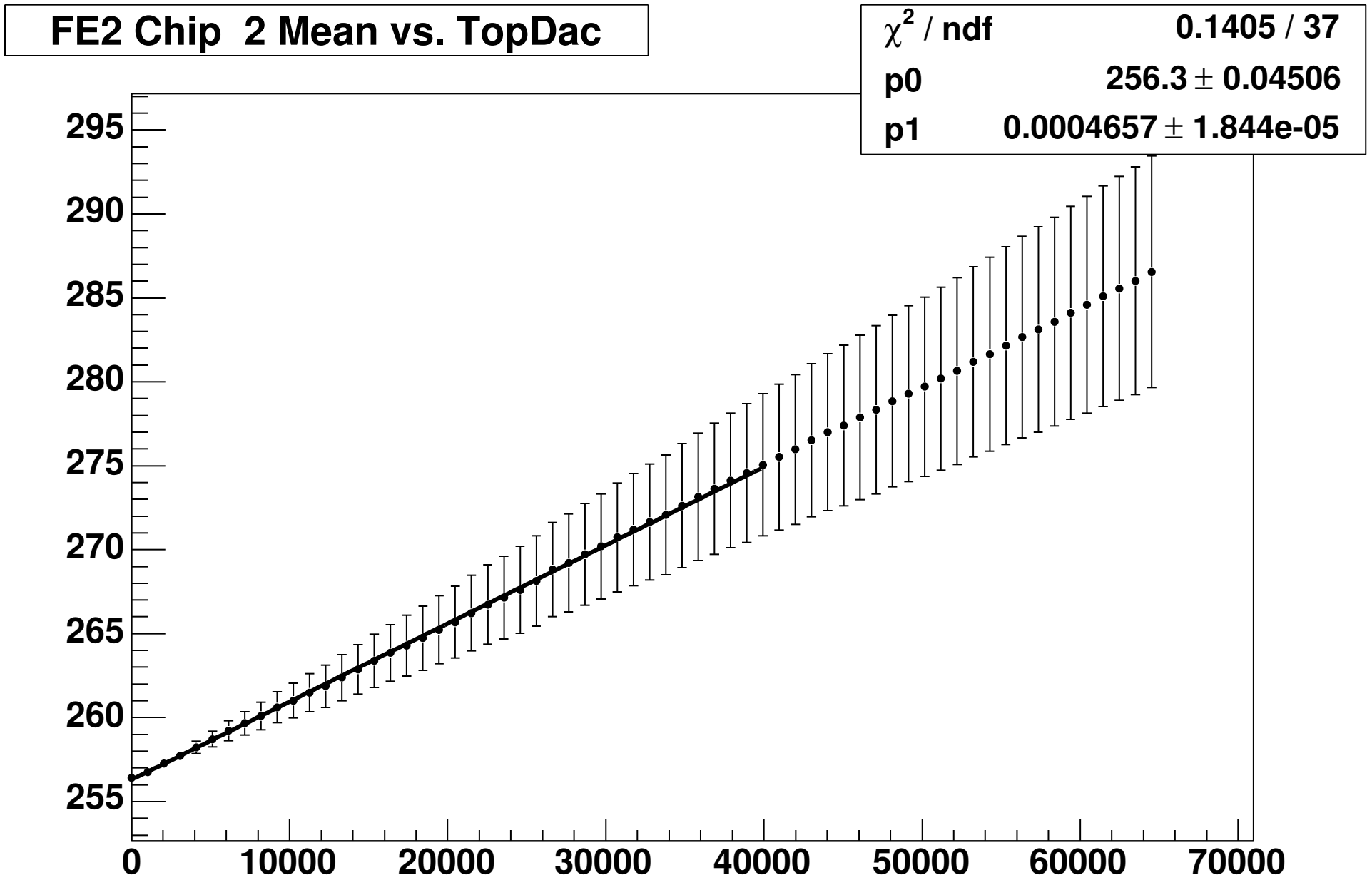

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 4.653e+04 / 37
p0 4.649e-07 ± 0.03546
p1 0.008601 ± 1.063e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 0.1405 / 37
p0 256.3 ± 0.04506
p1 0.0004657 ± 1.844e-05
295
290
285
280
275
270
265
260
255
0
10000
20000
30000
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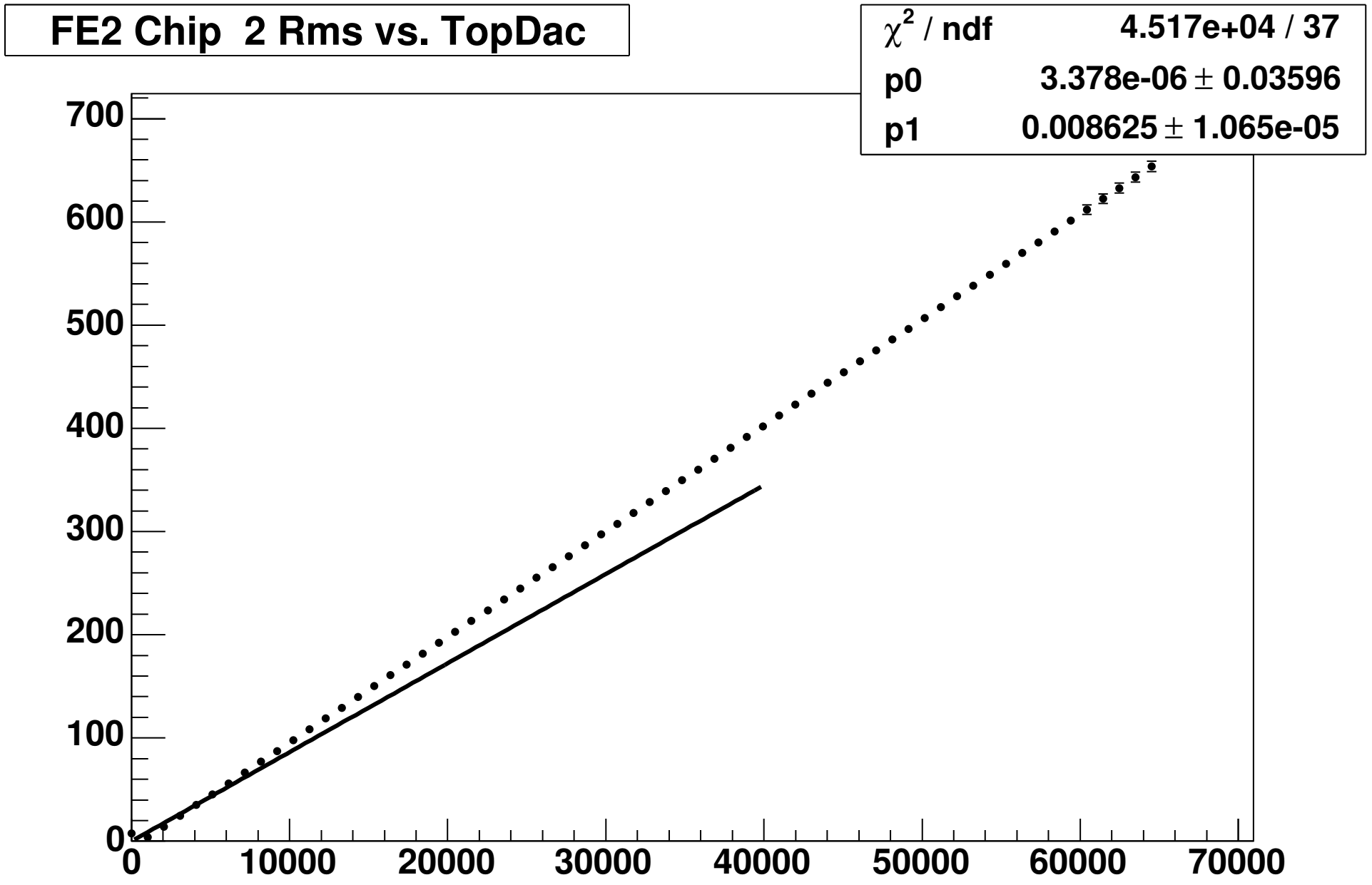
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 4.517e+04 / 37
p0 3.378e-06 ± 0.03596
p1 0.008625 ± 1.065e-05
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600
500
400
300
200
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0
10000
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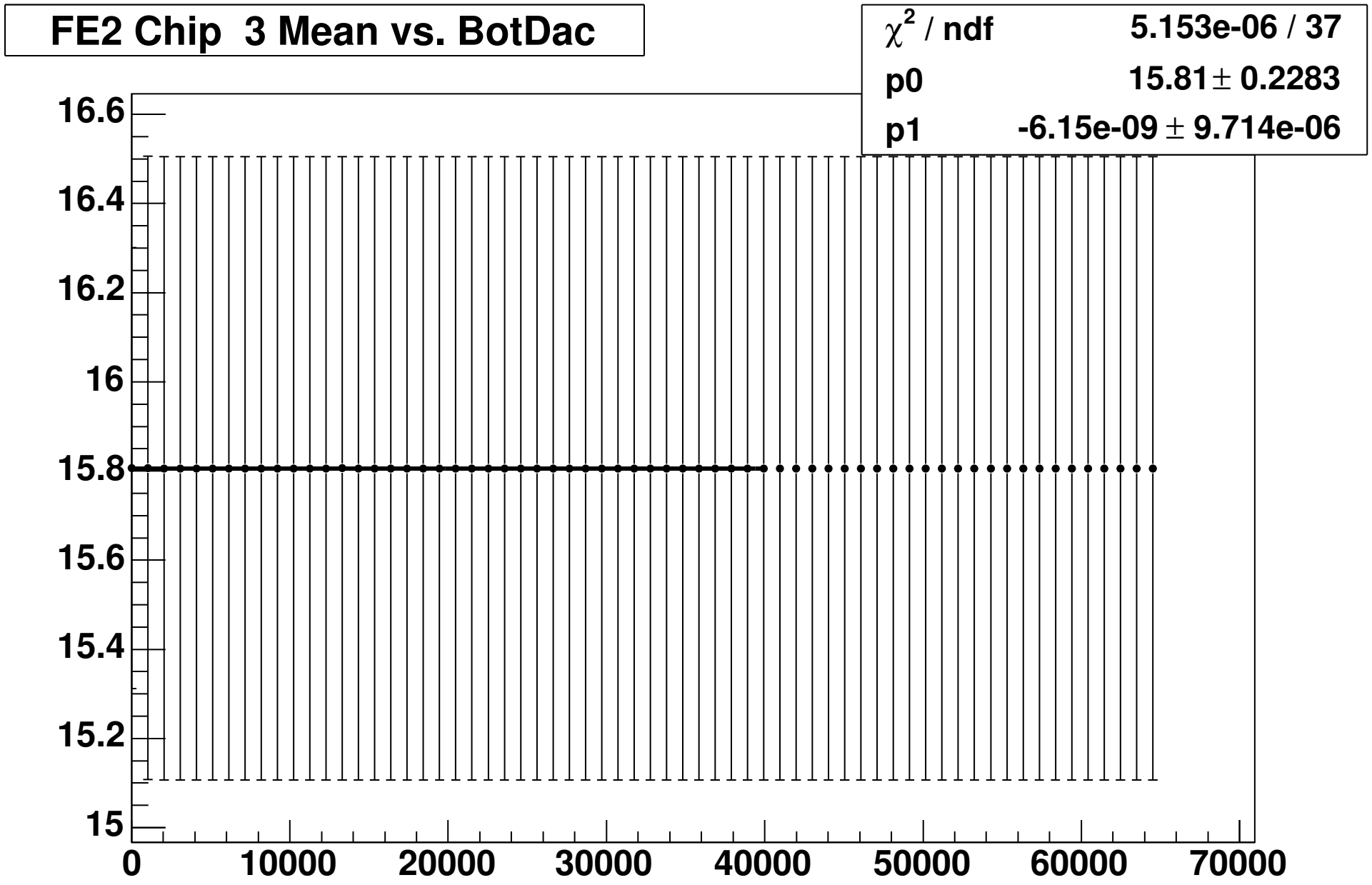
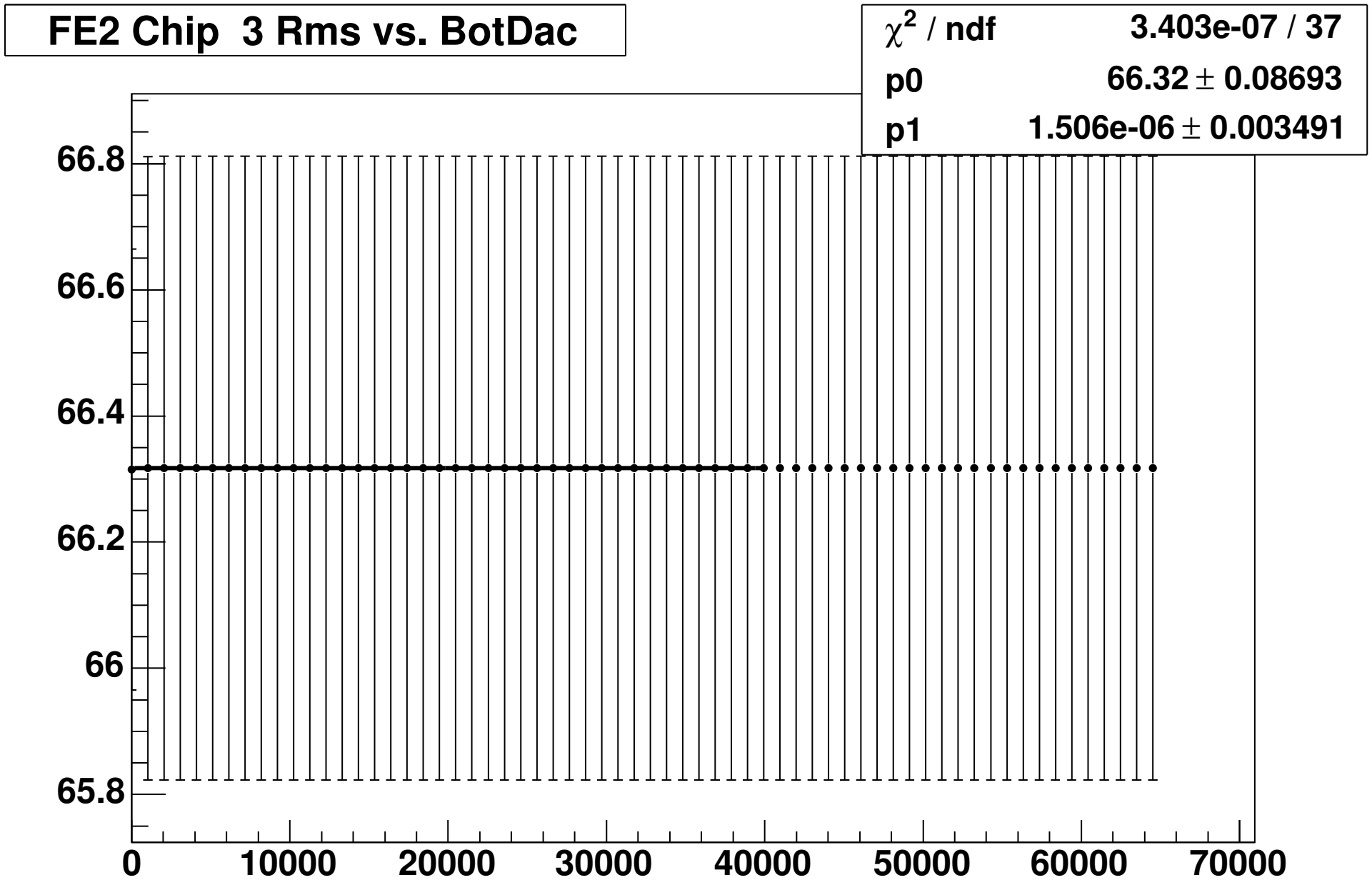
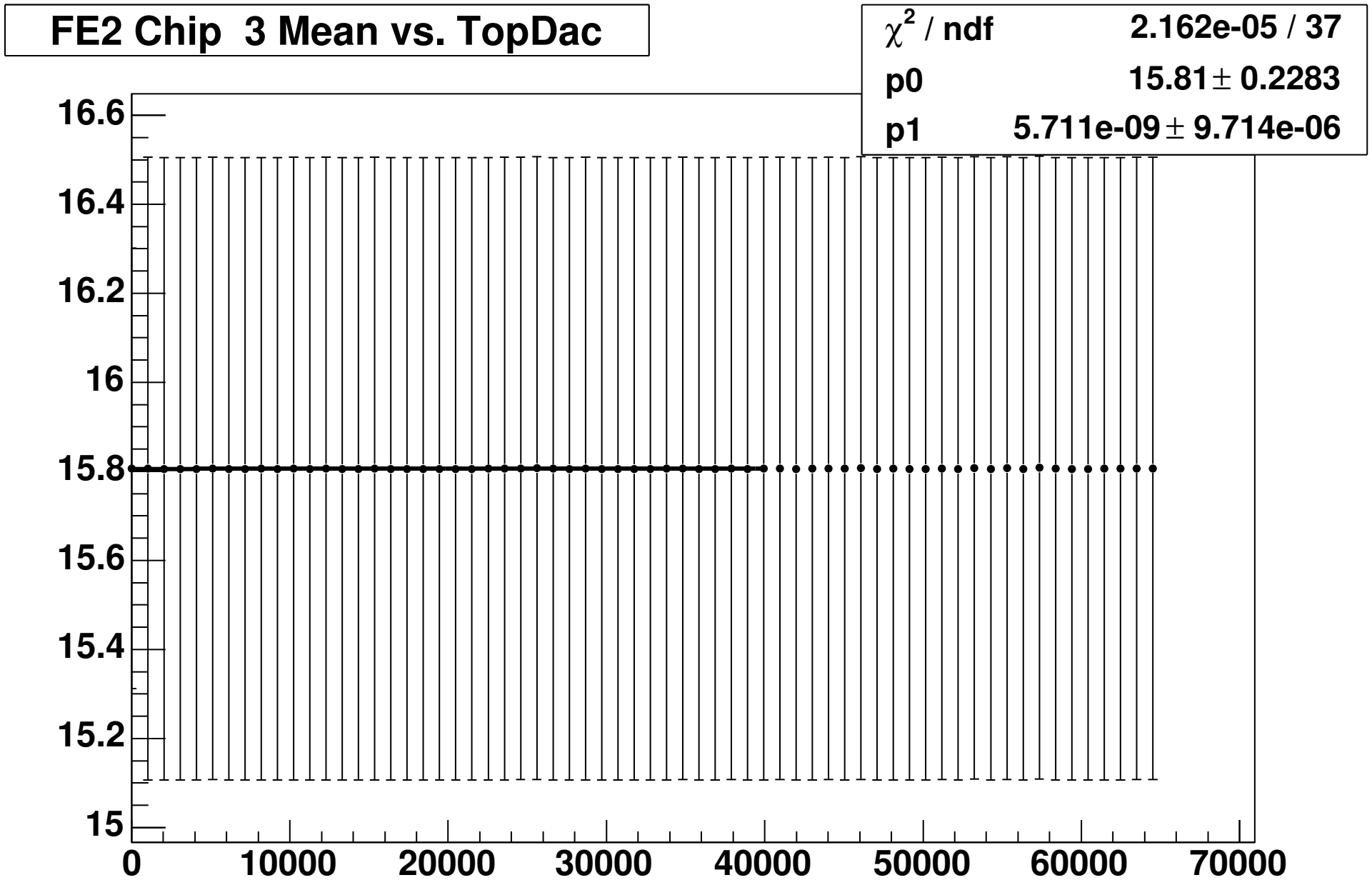

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 5.153e-06 / 37
p0 15.81 ± 0.2283
p1 -6.15e-09 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 3.403e-07 / 37
p0 66.32 ± 0.08693
p1 1.506e-06 ± 0.003491
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 2.162e-05 / 37
p0 15.81 ± 0.2283
p1 5.711e-09 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
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50000
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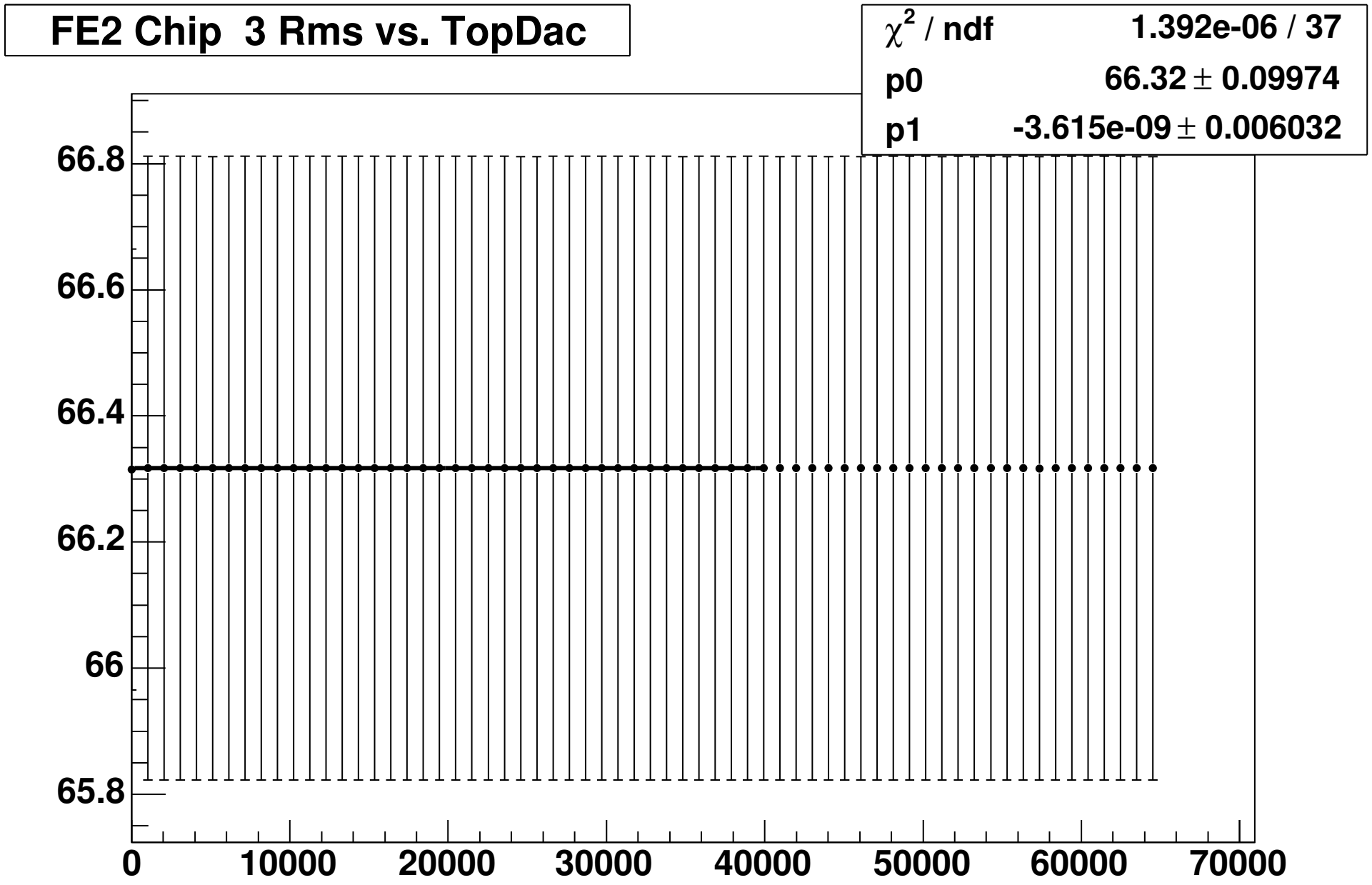
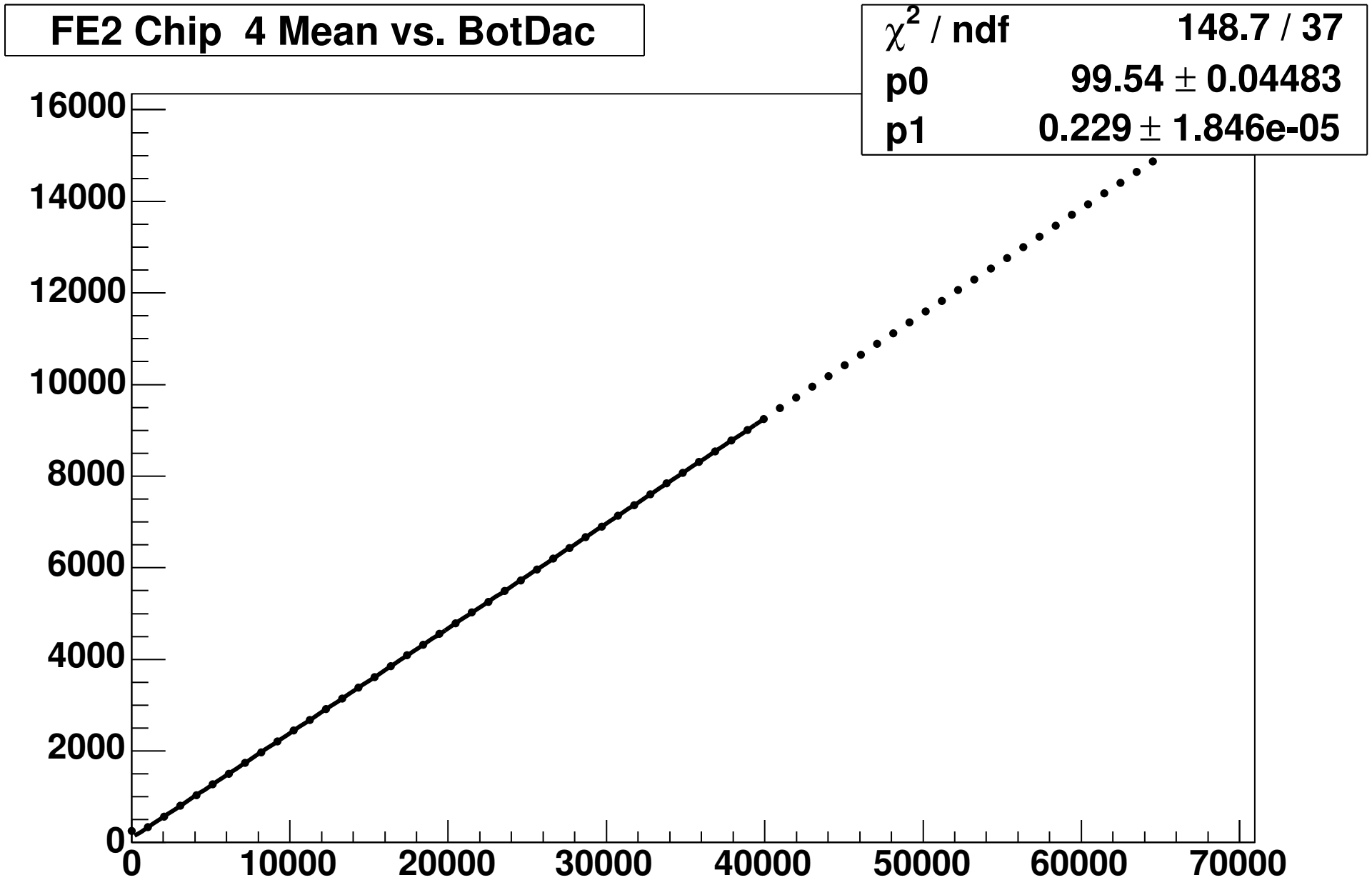
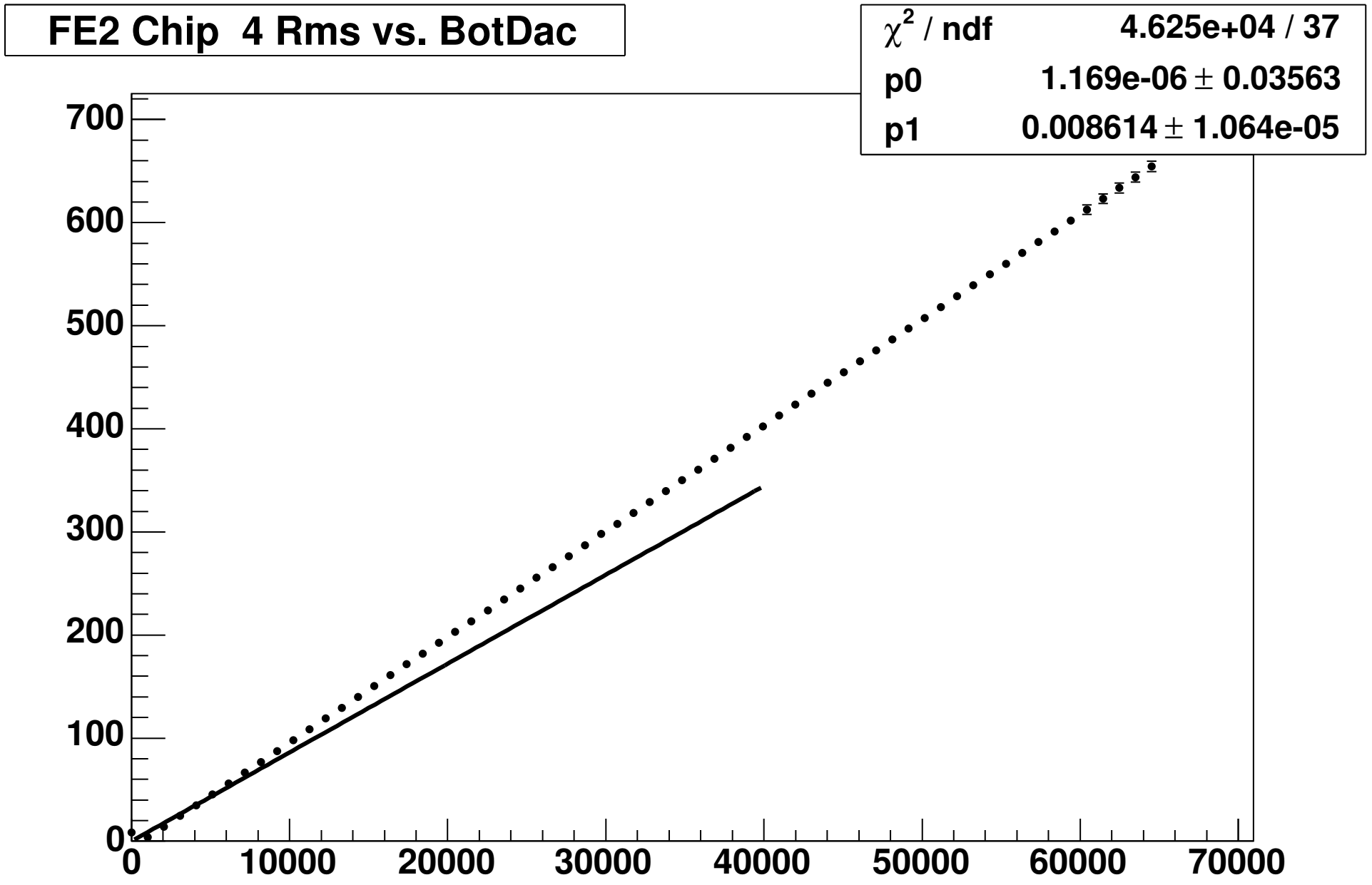
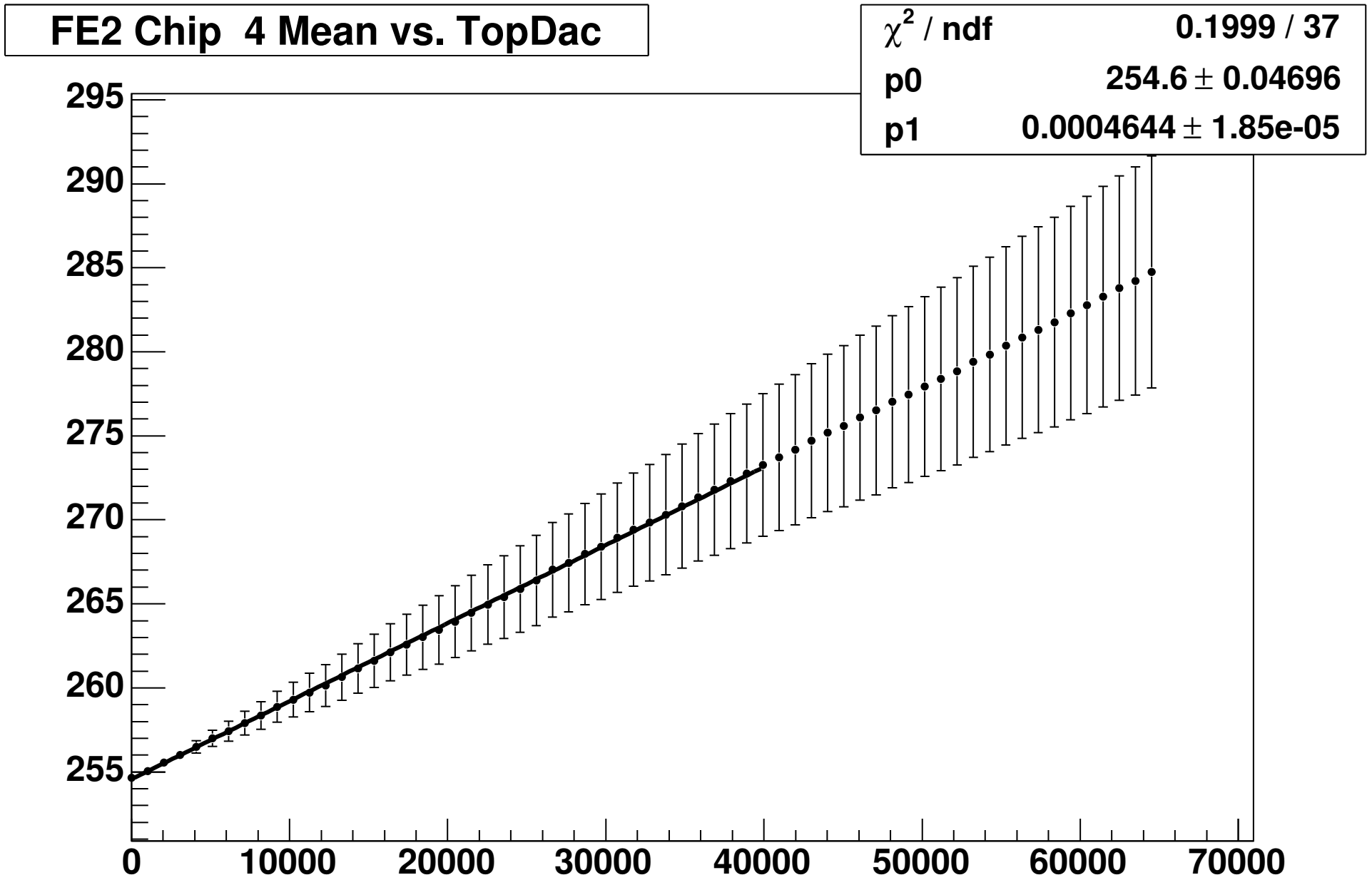
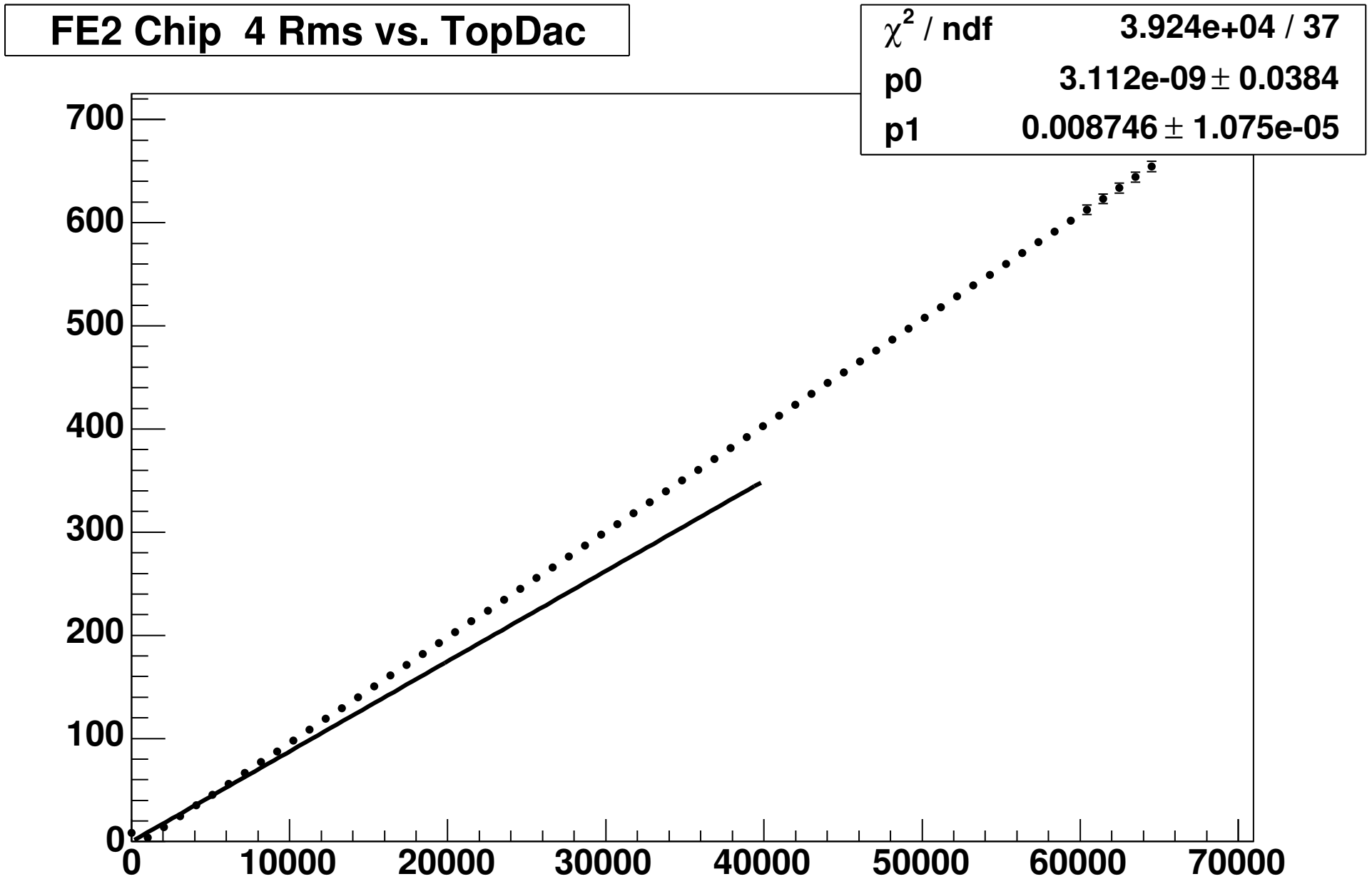

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 1.392e-06 / 37
p0 66.32 ± 0.09974
p1 -3.615e-09 ± 0.006032
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 148.7 / 37
p0 99.54 ± 0.04483
p1 0.229 ± 1.846e-05
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 4.625e+04 / 37
p0 1.169e-06 ± 0.03563
p1 0.008614 ± 1.064e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 0.1999 / 37
p0 254.6 ± 0.04696
p1 0.0004644 ± 1.85e-05
295
290
285
280
275
270
265
260
255
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 3.924e+04 / 37
p0 3.112e-09 ± 0.0384
p1 0.008746 ± 1.075e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
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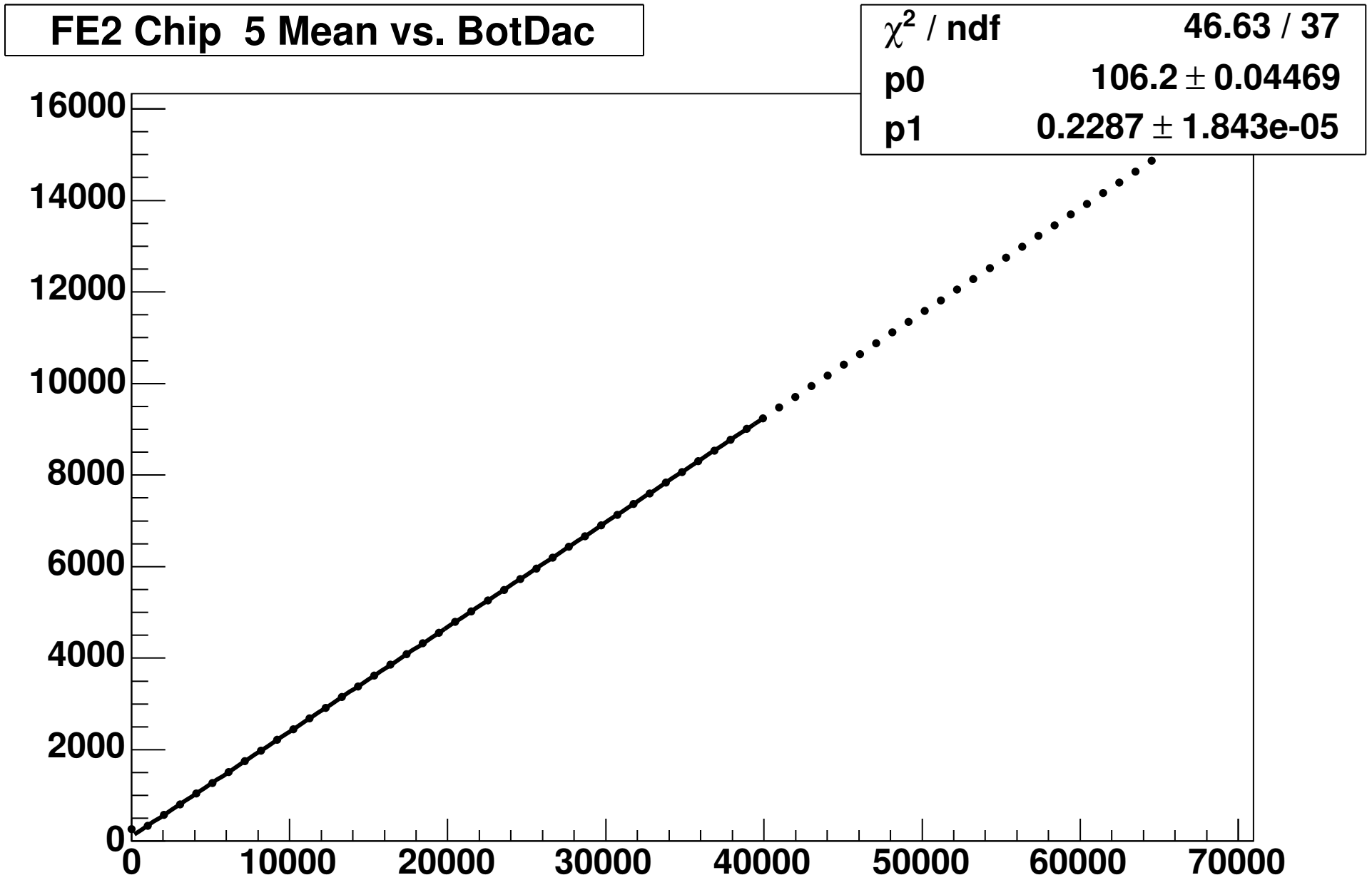
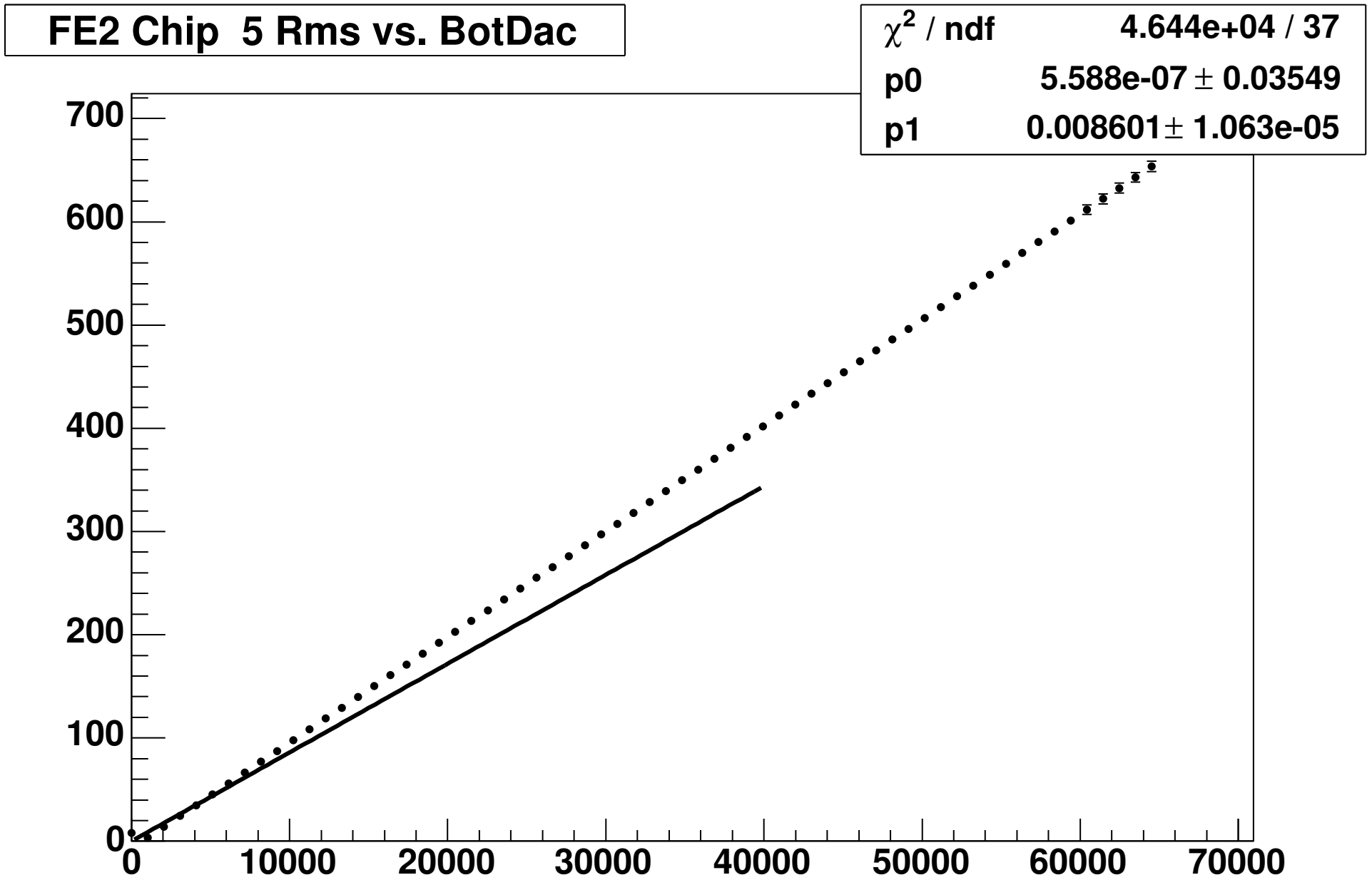

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 46.63 / 37
p0 106.2 ± 0.04469
p1 0.2287 ± 1.843e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 4.644e+04 / 37
p0 5.588e-07 ± 0.03549
p1 0.008601 ± 1.063e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
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50000
60000
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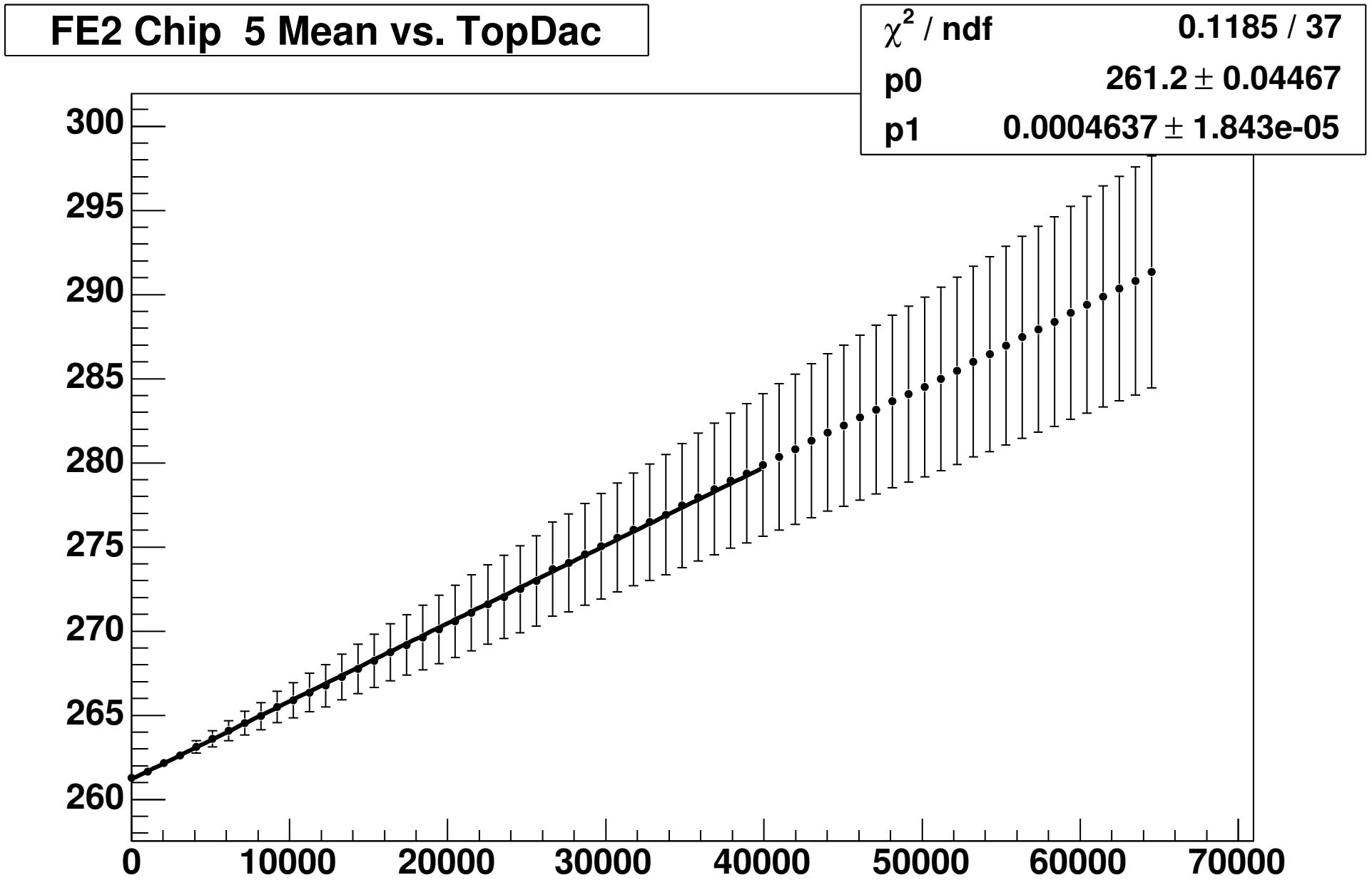
FE2 Chip 5 Mean vs. TopDac
χ² / ndf 0.1185 / 37
p0 261.2 ± 0.04467
p1 0.0004637 ± 1.843e-05
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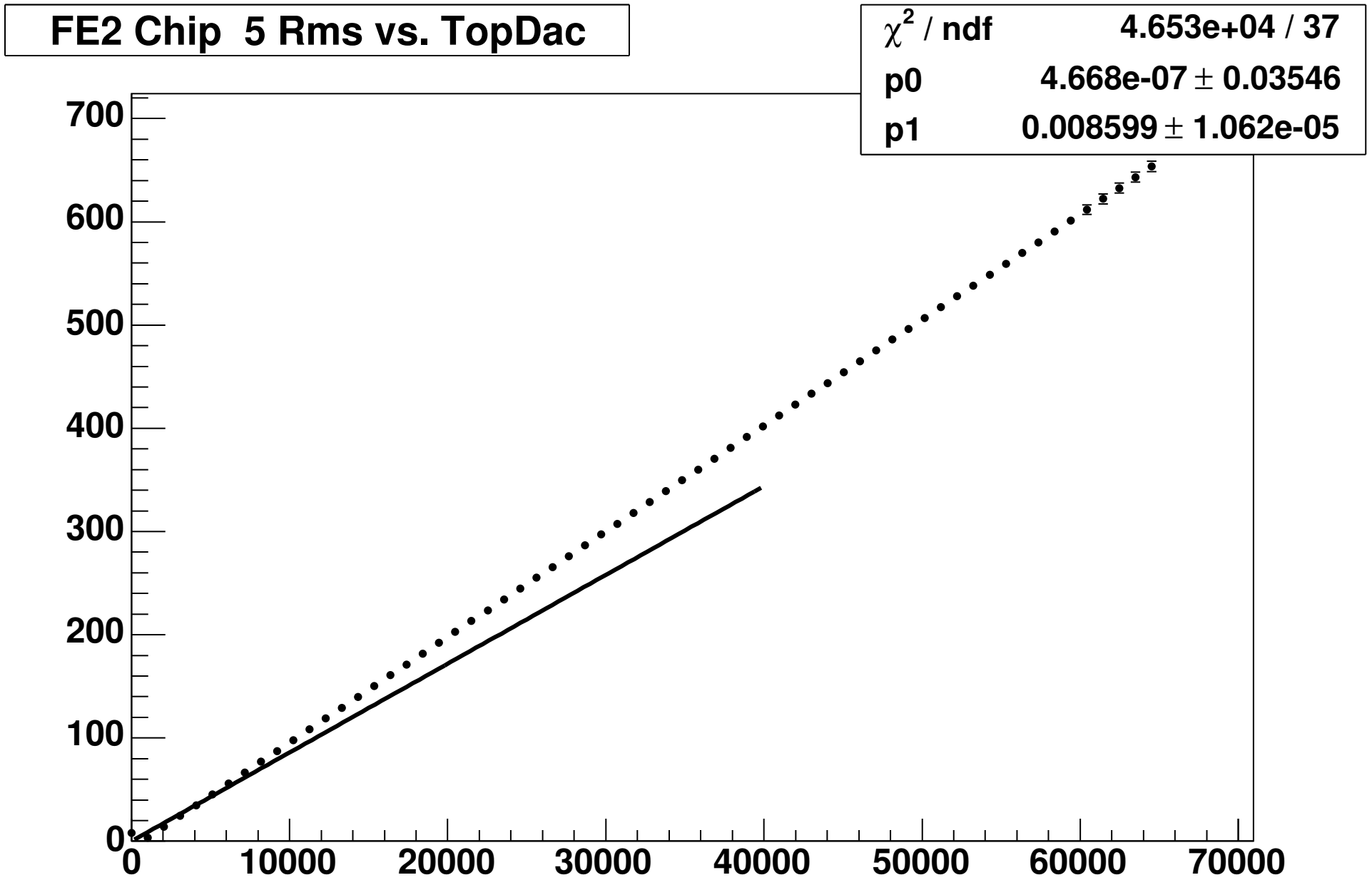
295
290
285
280
275
270
265
260
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 4.653e+04 / 37
p0 4.668e-07 ± 0.03546
p1 0.008599 ± 1.062e-05
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600
500
400
300
200
100
0
0
10000
20000
30000
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50000
60000
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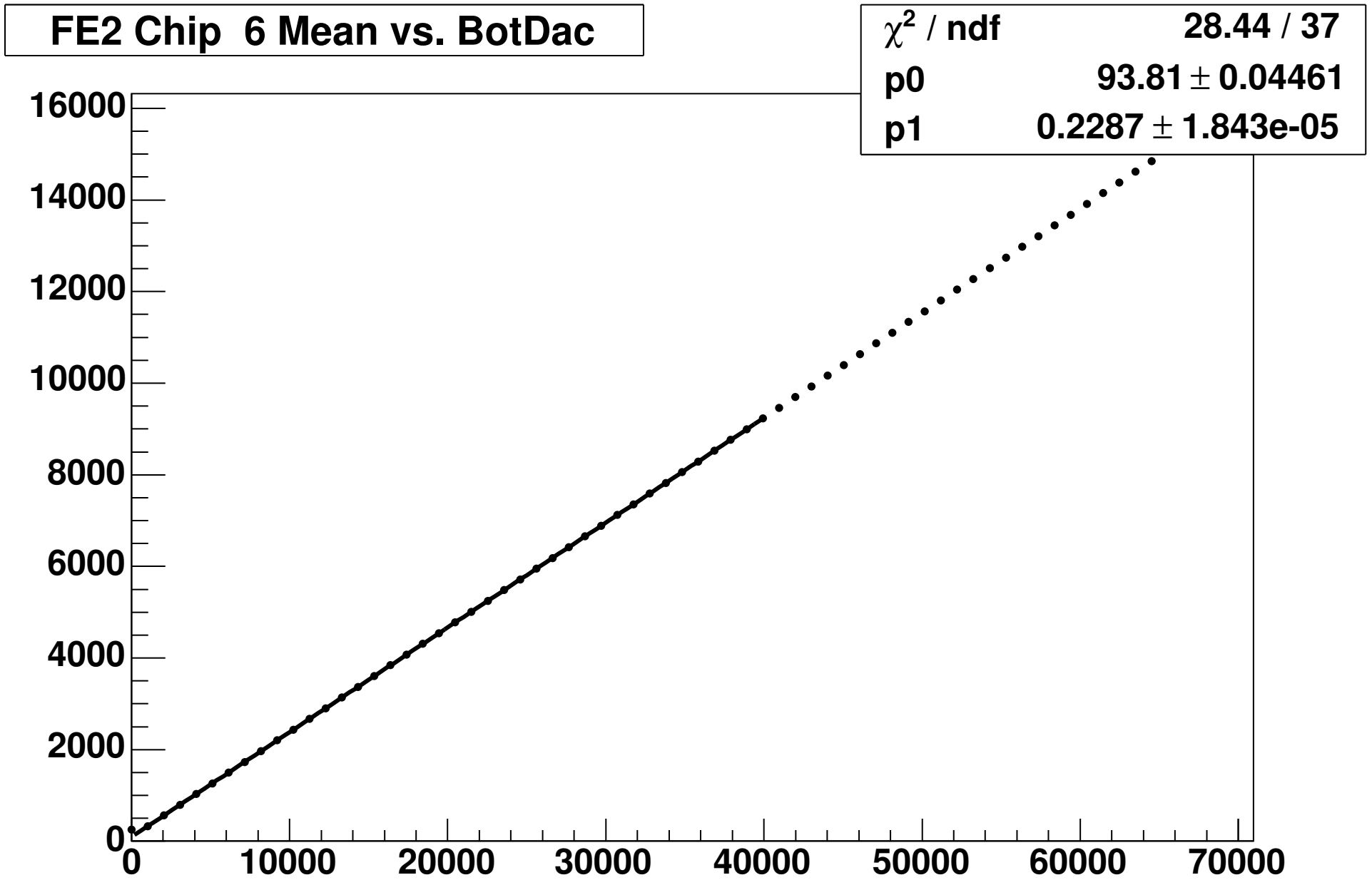
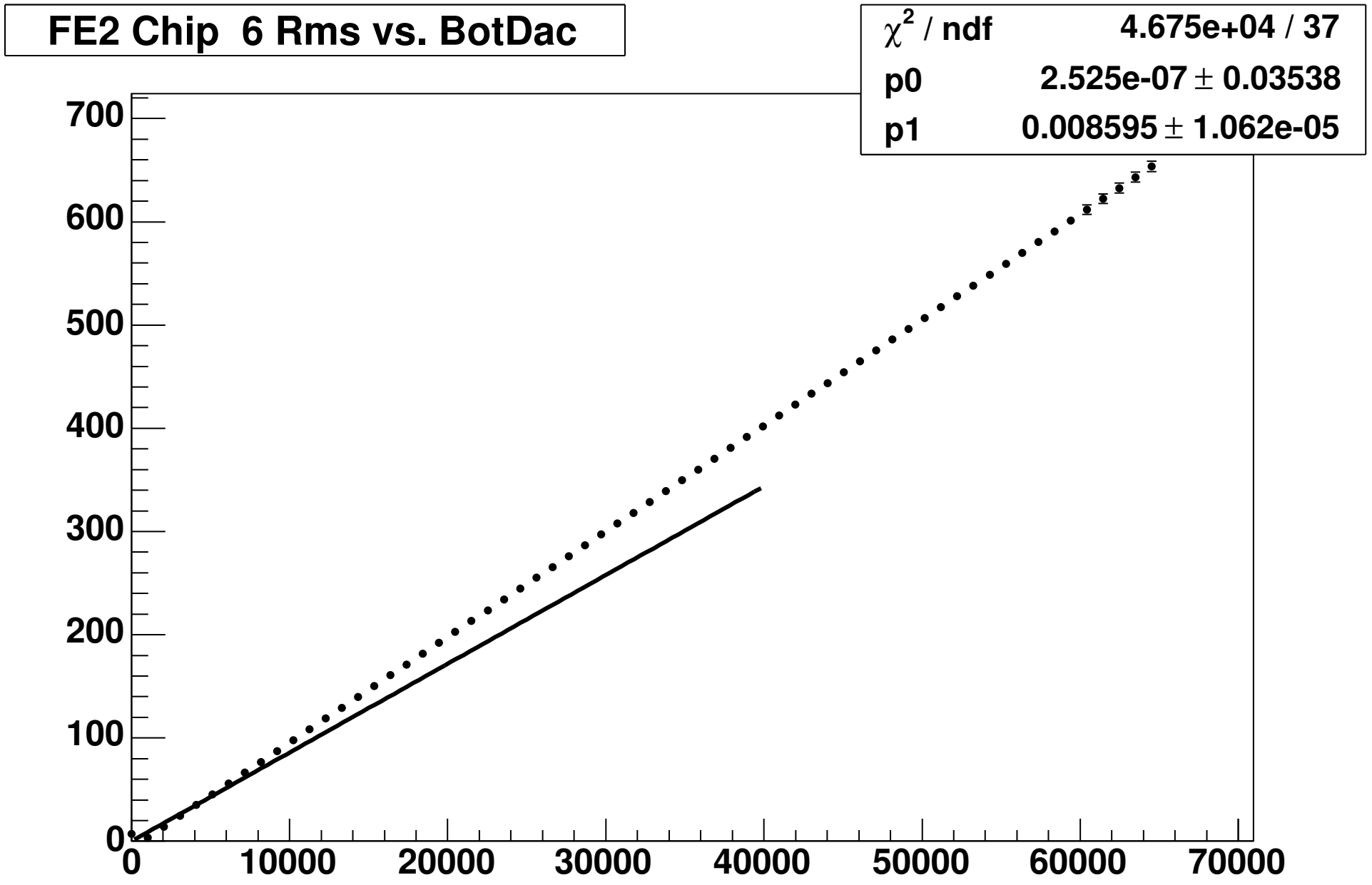
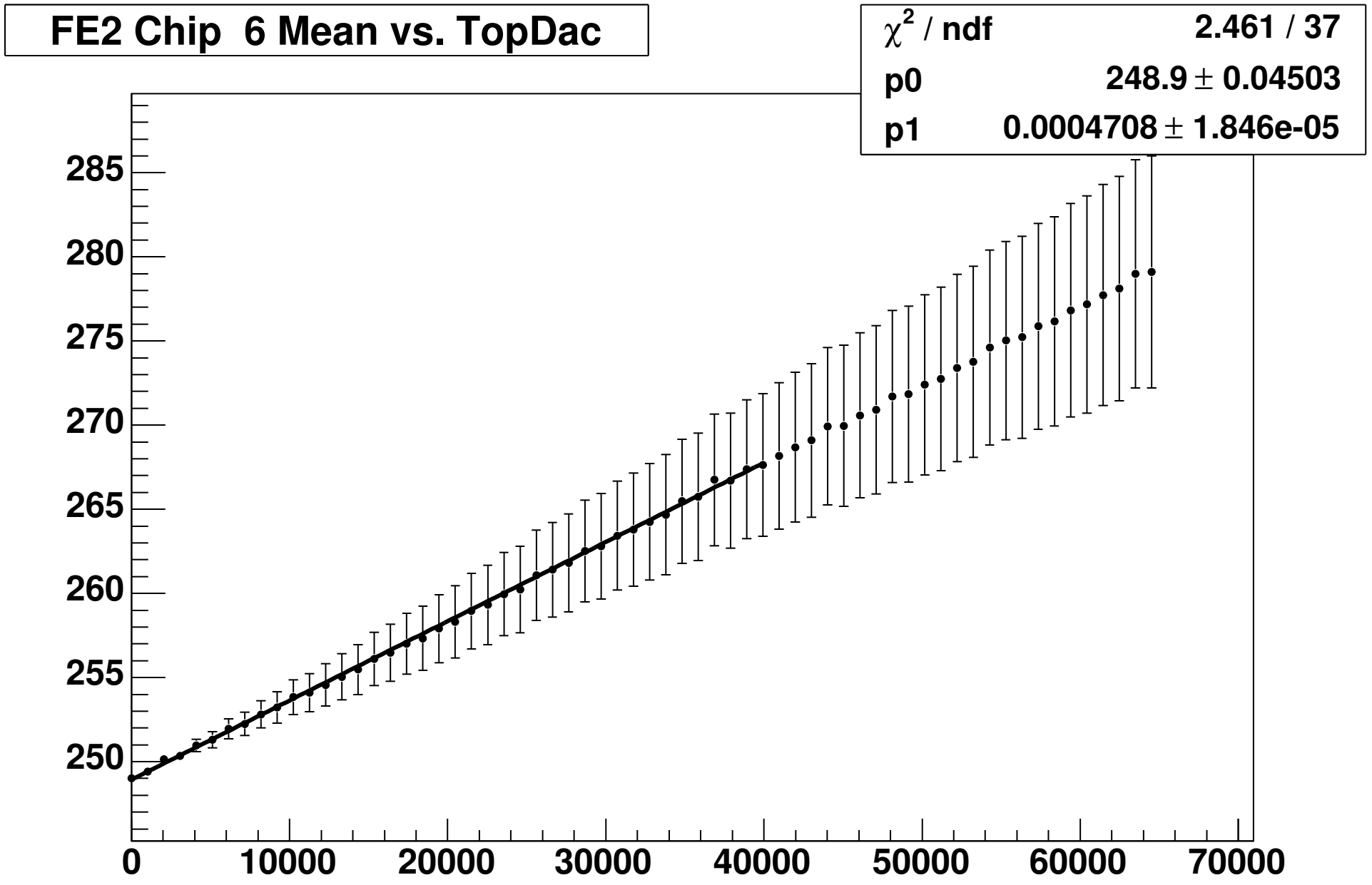

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 28.44 / 37
p0 93.81 ± 0.04461
p1 0.2287 ± 1.843e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 4.675e+04 / 37
p0 2.525e-07 ± 0.03538
p1 0.008595 ± 1.062e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 2.461 / 37
p0 248.9 ± 0.04503
p1 0.0004708 ± 1.846e-05
285
280
275
270
265
260
255
250
0
10000
20000
30000
40000
50000
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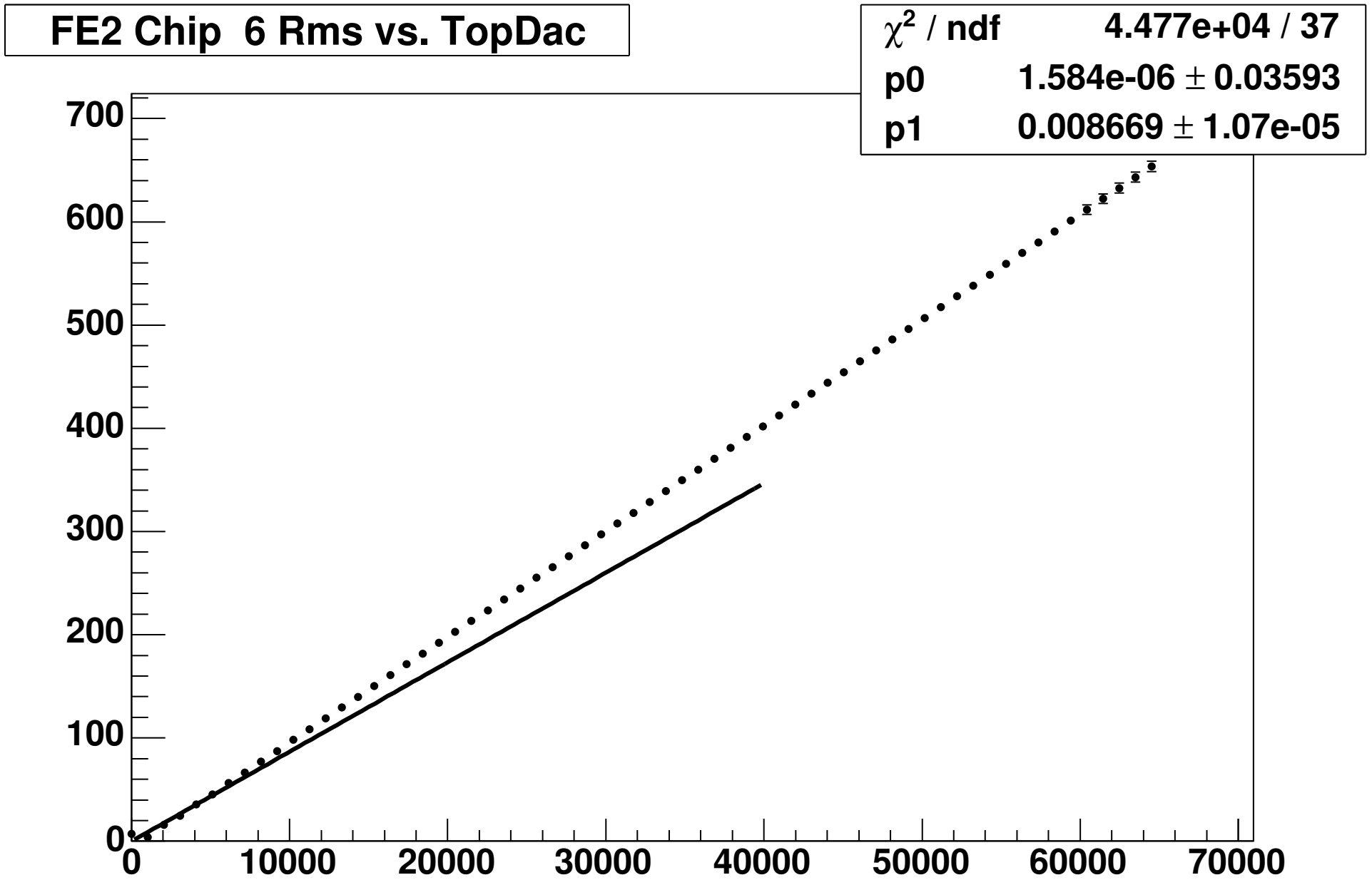
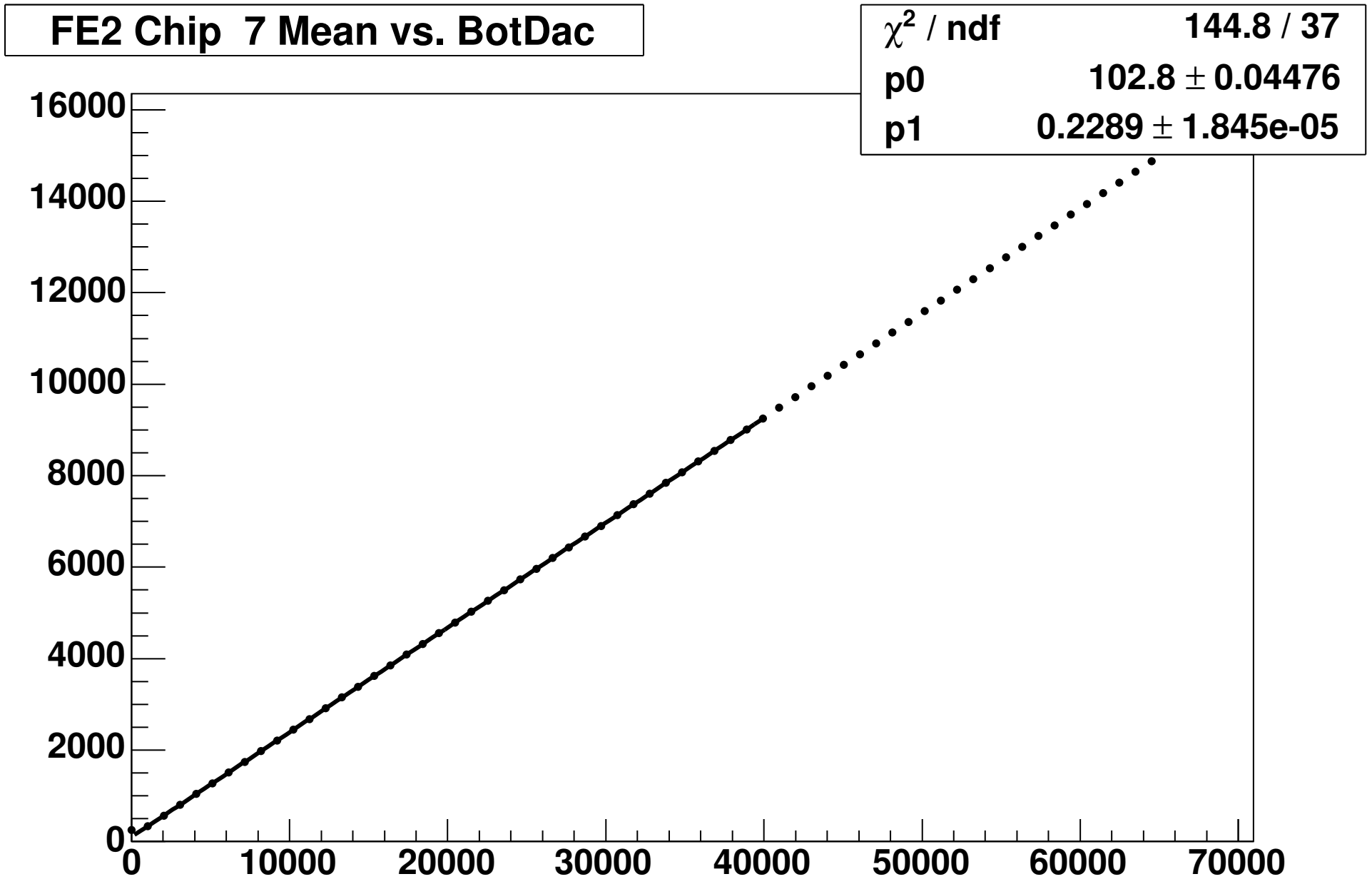
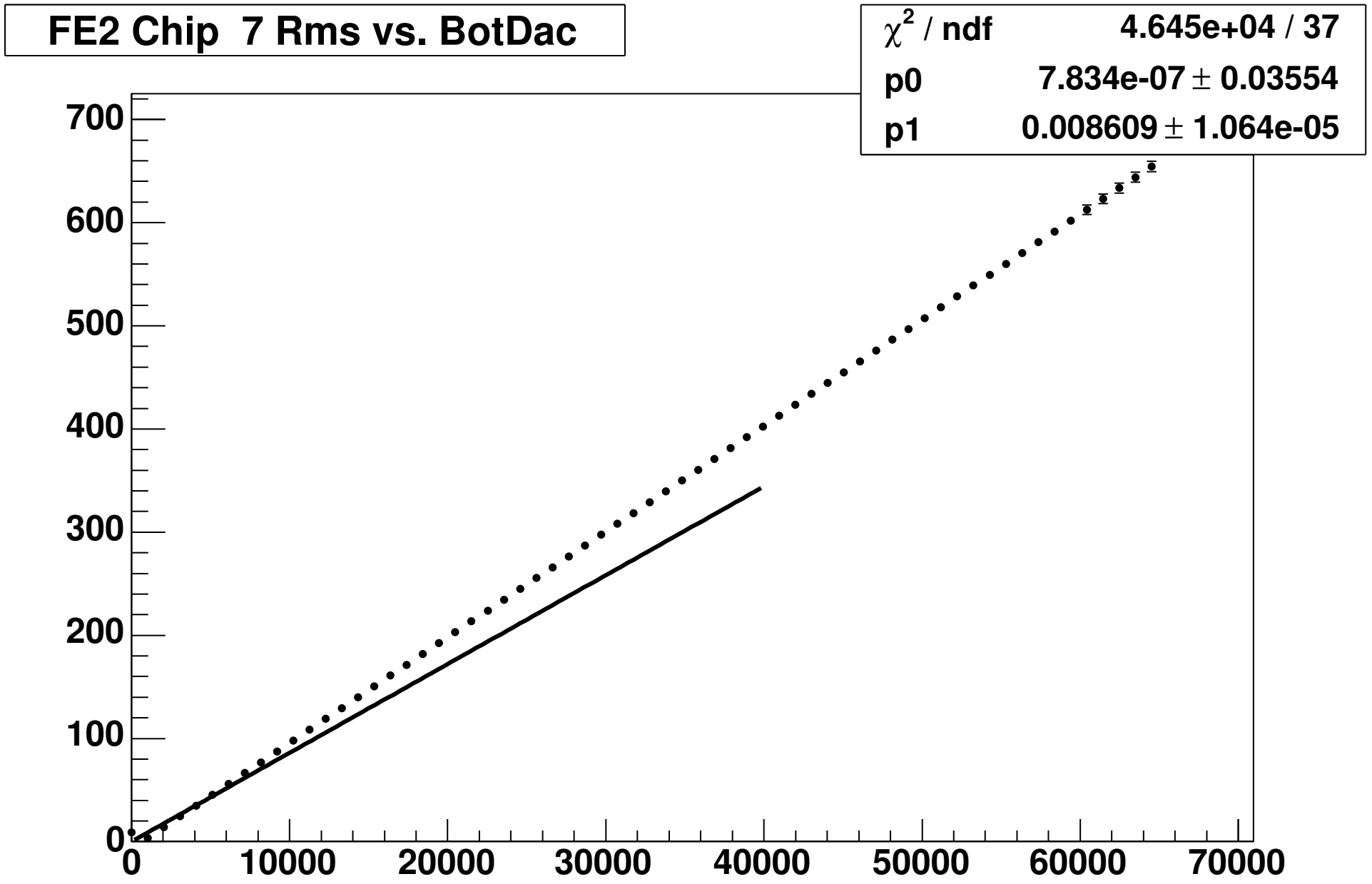
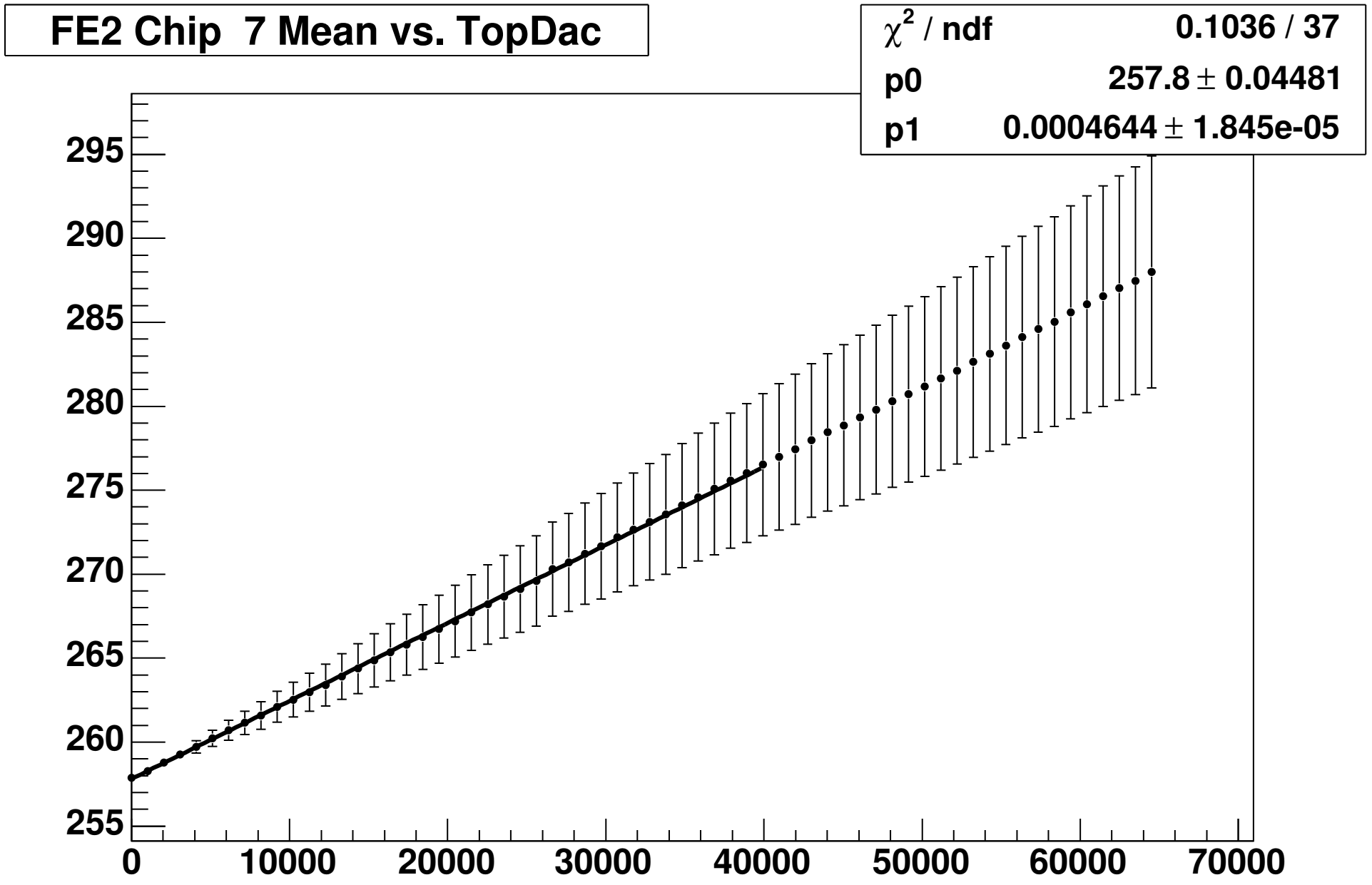
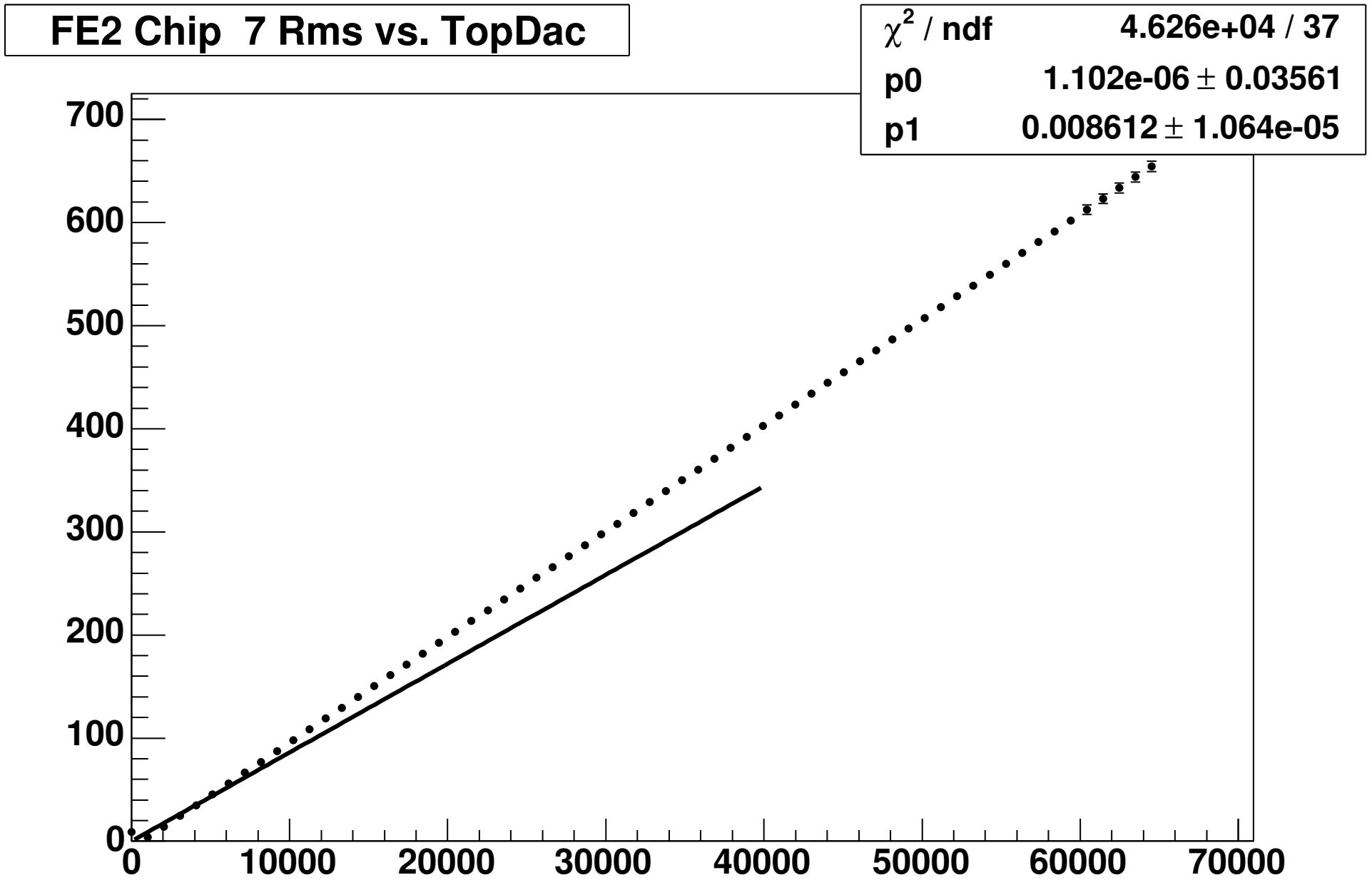
70000

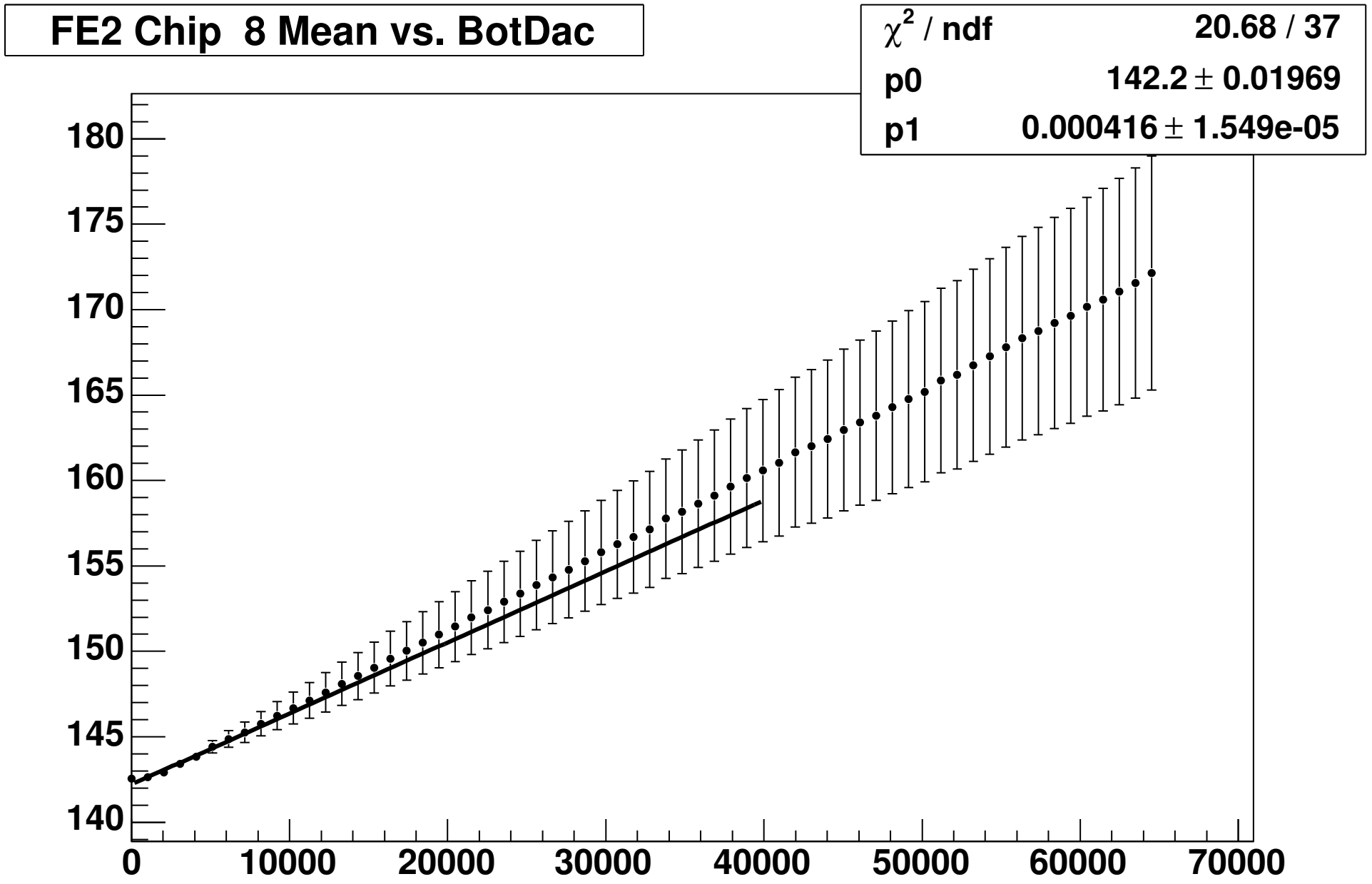

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 4.477e+04 / 37
p0 1.584e-06 ± 0.03593
p1 0.008669 ± 1.07e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

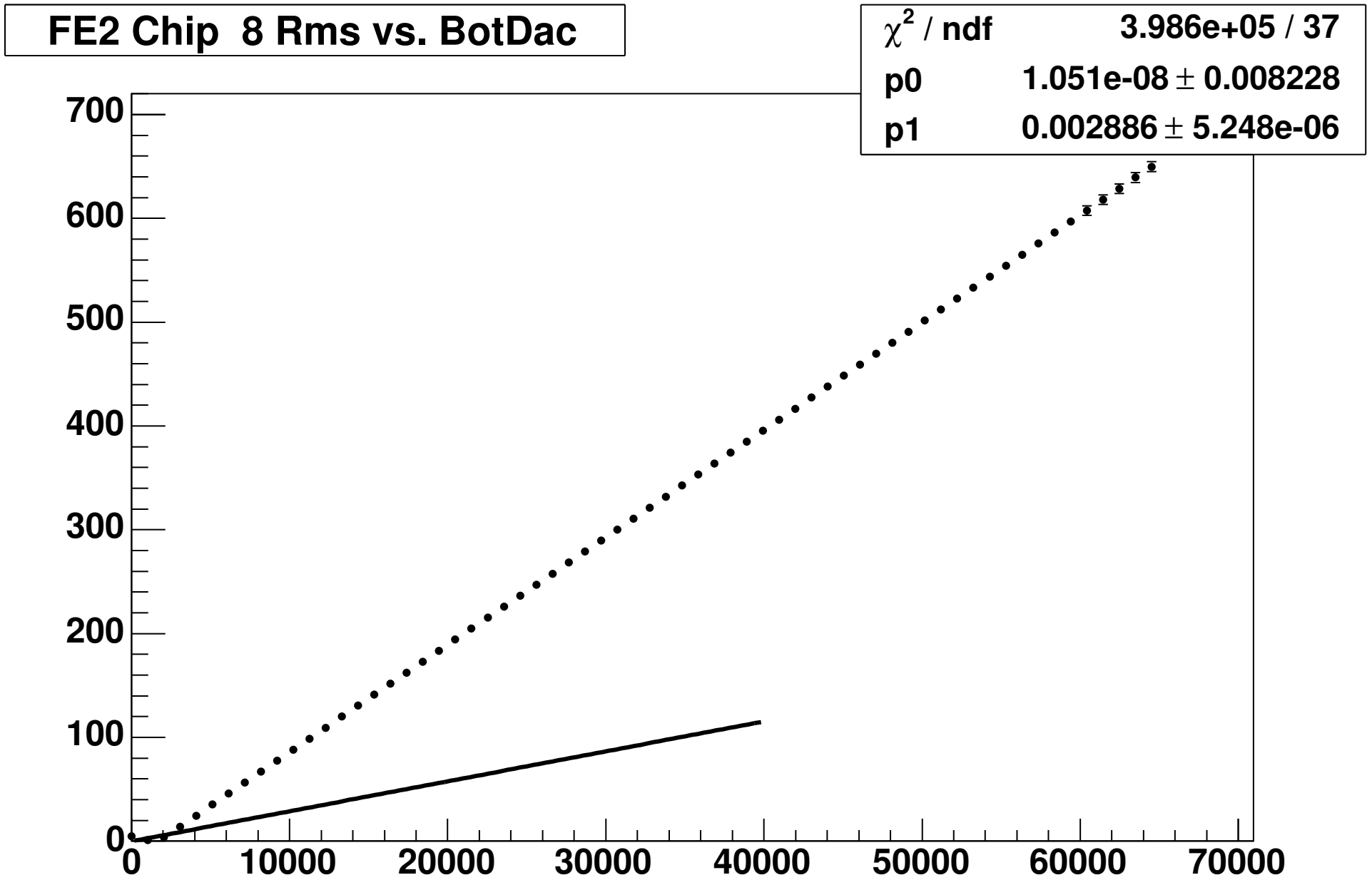

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 144.8 / 37
p0 102.8 ± 0.04476
p1 0.2289 ± 1.845e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

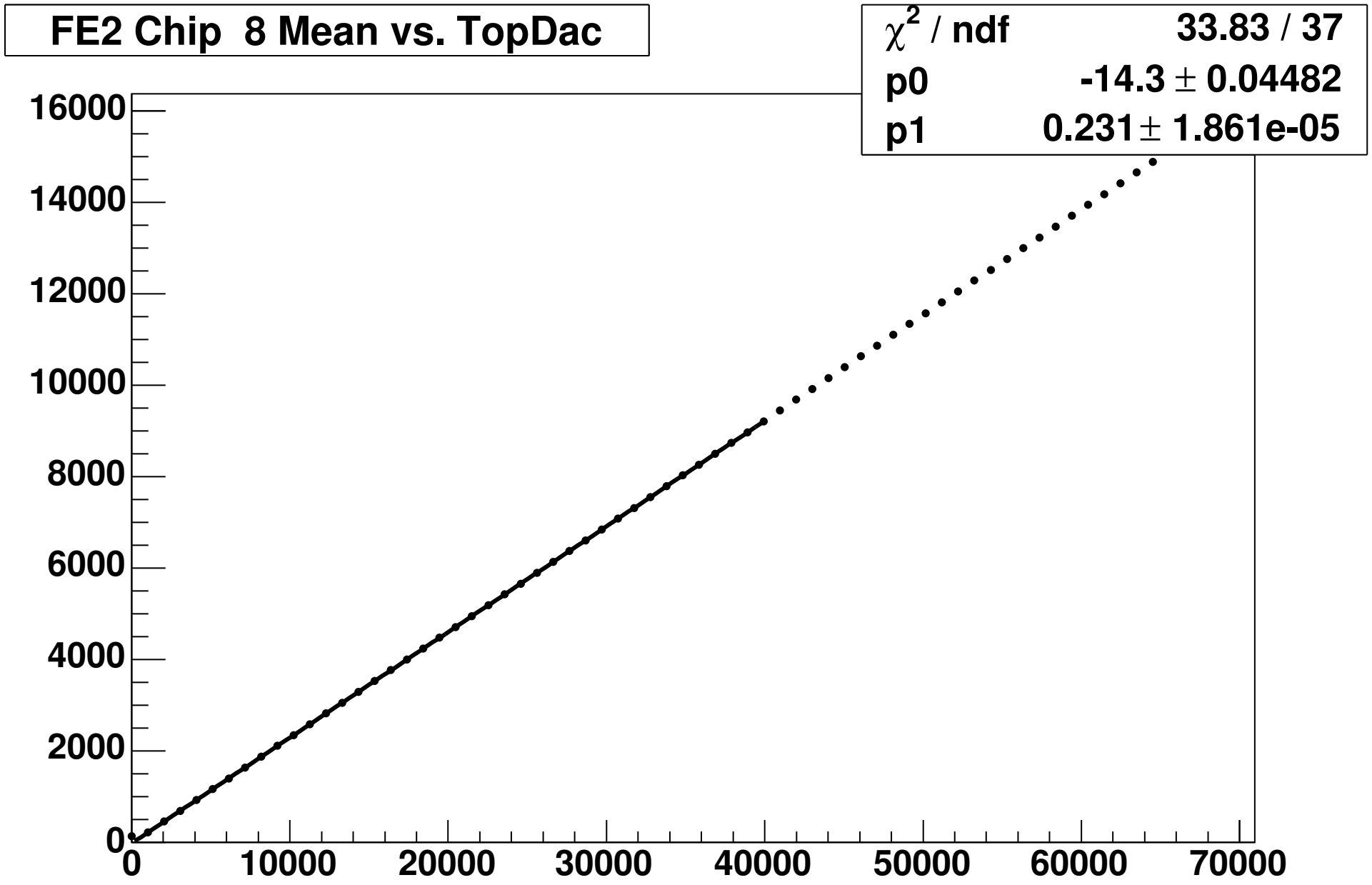

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 4.645e+04 / 37
p0 7.834e-07 ± 0.03554
p1 0.008609 ± 1.064e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

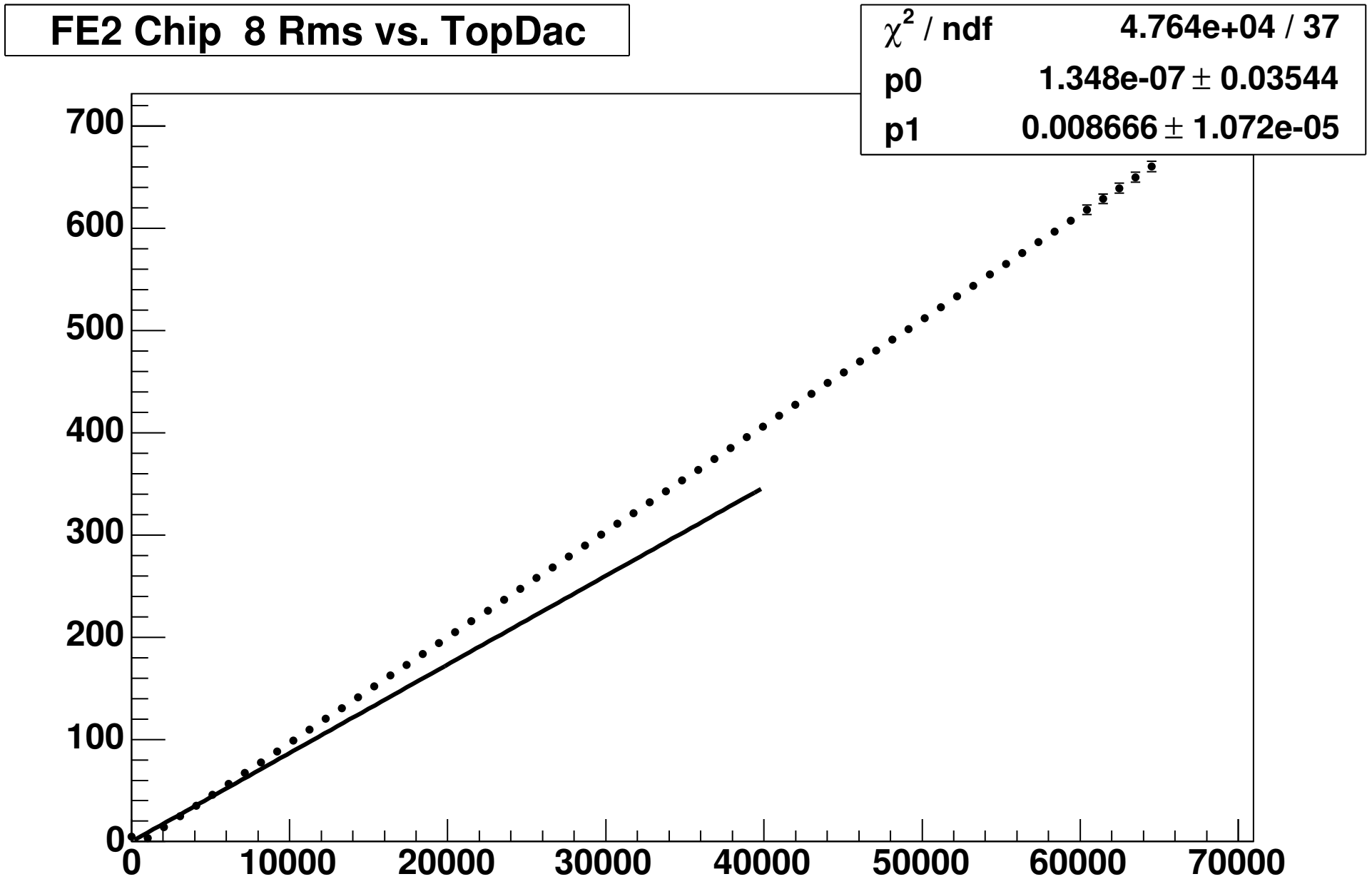

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 0.1036 / 37
p0 257.8 ± 0.04481
p1 0.0004644 ± 1.845e-05
295
290
285
280
275
270
265
260
255
0
10000
20000
30000
40000
50000
60000
70000

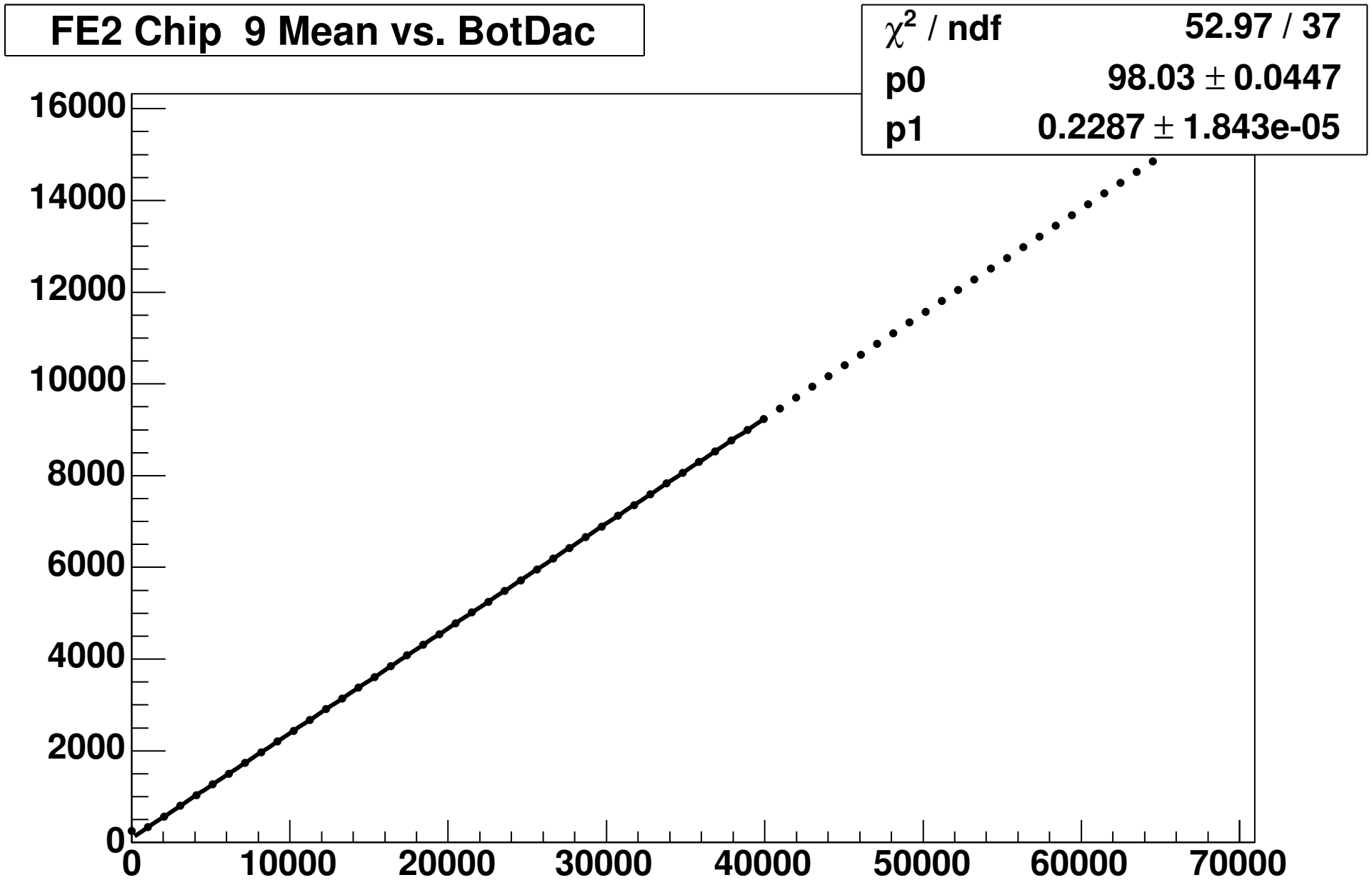

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 4.626e+04 / 37
p0 1.102e-06 ± 0.03561
p1 0.008612 ± 1.064e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

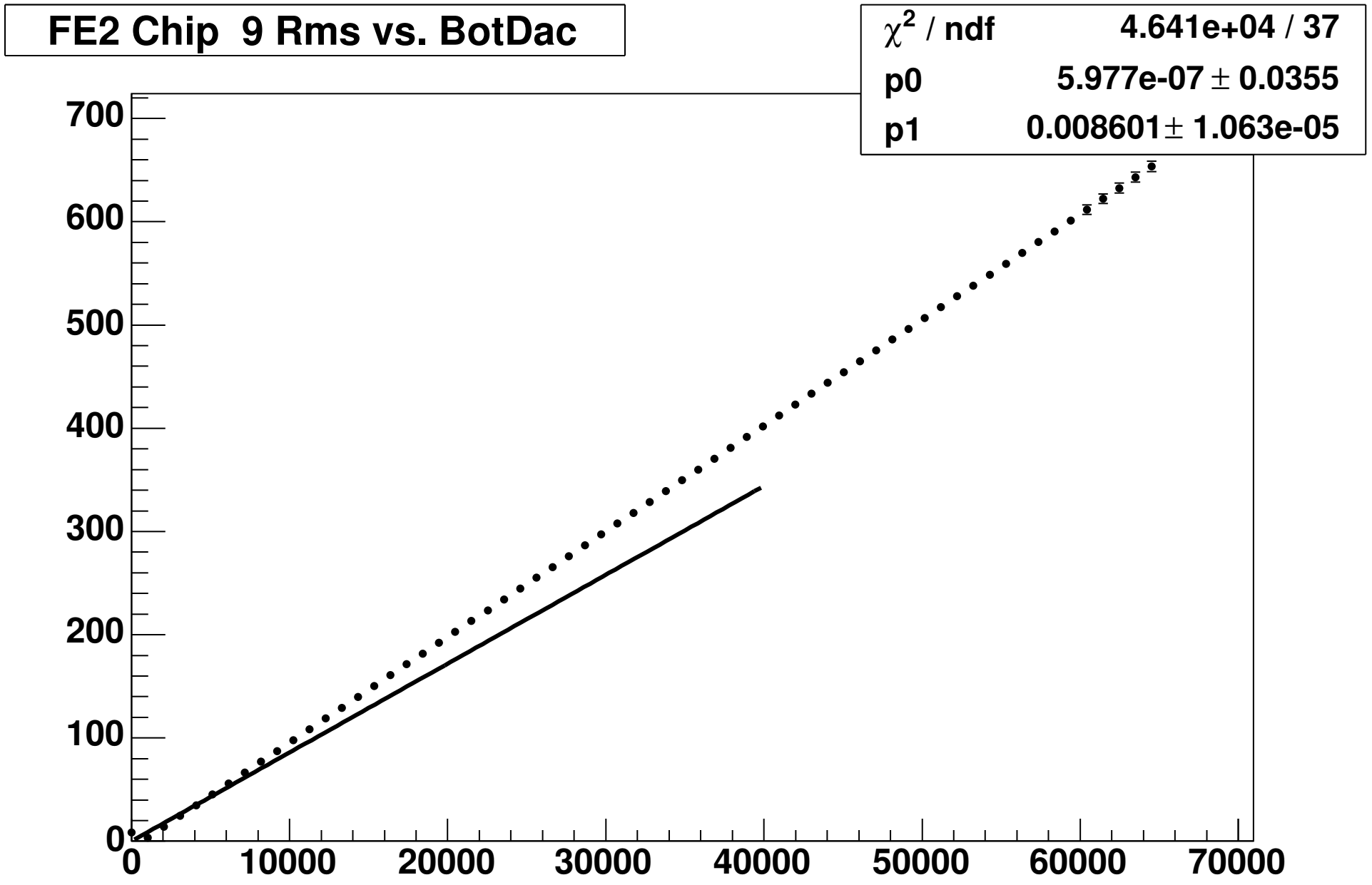

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 20.68 / 37
p0 142.2 ± 0.01969
p1 0.000416 ± 1.549e-05
180
175
170
165
160
155
150
145
140
0
10000
20000
30000
40000
50000
60000
70000

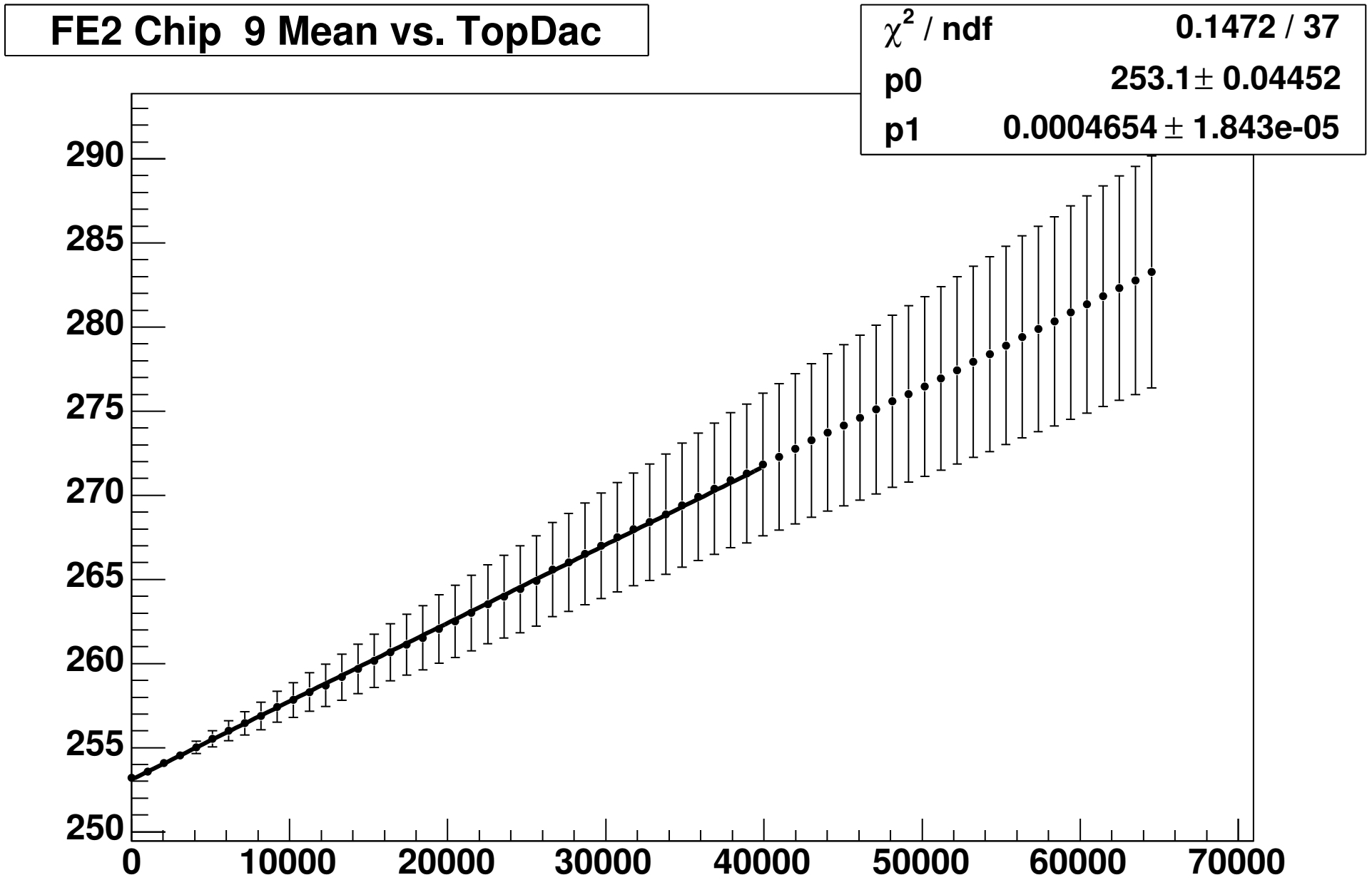

FE2 Chip 8 Rms vs. BotDac
χ^2 / ndf 3.986e+05 / 37
p0 1.051e-08 ± 0.008228
p1 0.002886 ± 5.248e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

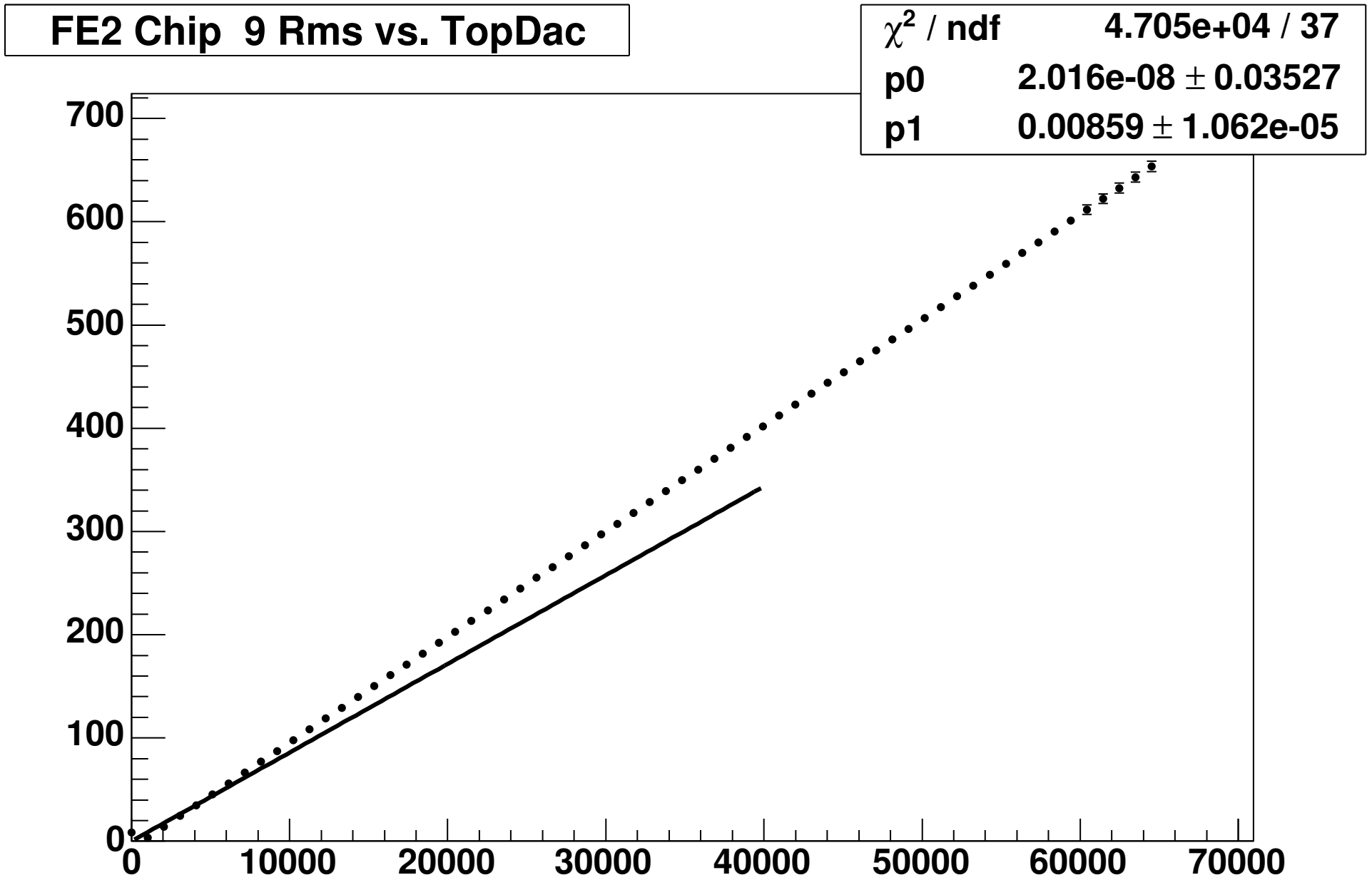

FE2 Chip 8 Mean vs. TopDac
χ² / ndf 33.83 / 37
p0 -14.3 ± 0.04482
p1 0.231 ± 1.861e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

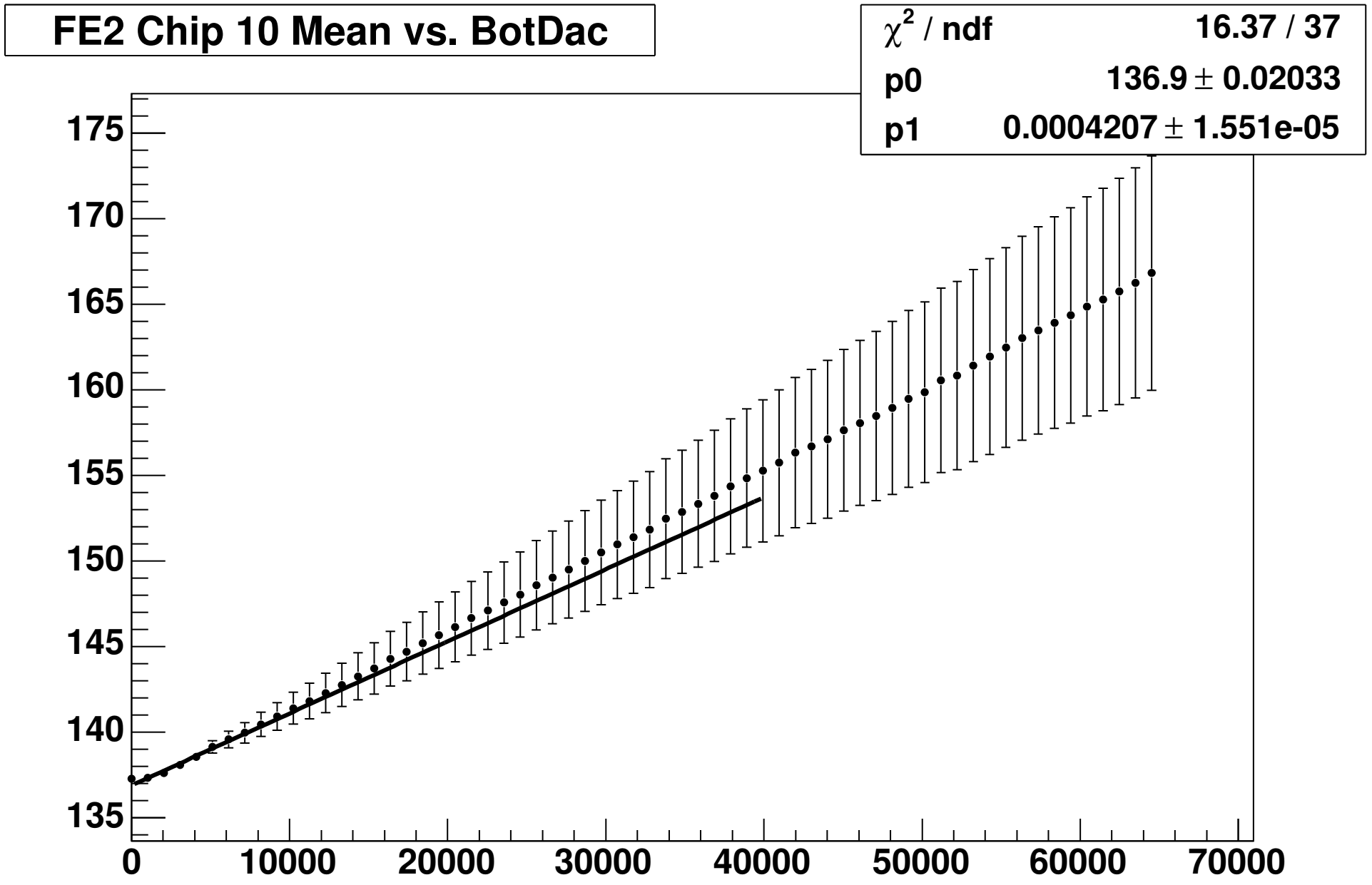

FE2 Chip 8 Rms vs. TopDac
χ² / ndf 4.764e+04 / 37
p0 1.348e-07 ± 0.03544
p1 0.008666 ± 1.072e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

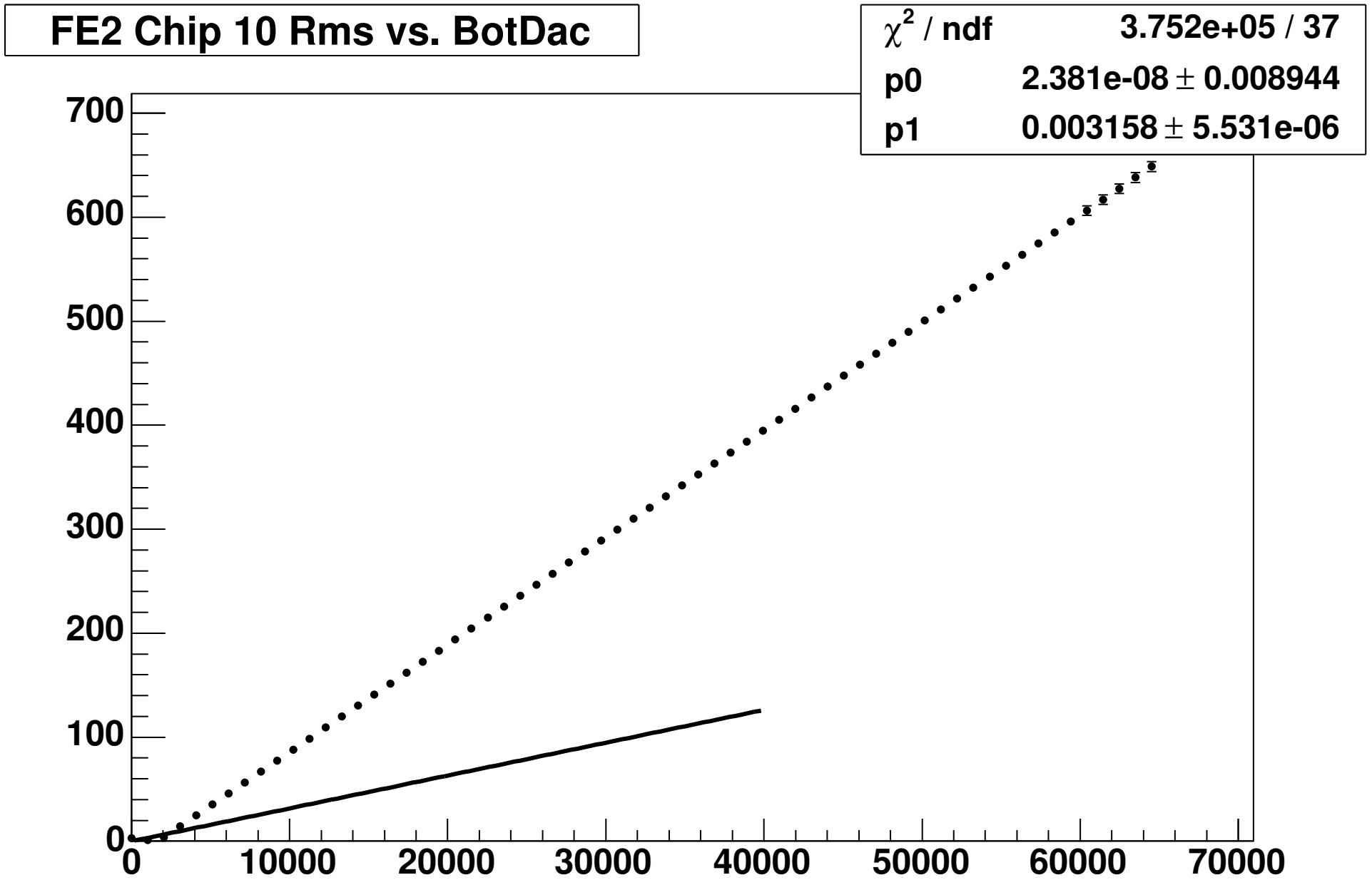

FE2 Chip 9 Mean vs. BotDac
χ² / ndf 52.97 / 37
p0 98.03 ± 0.0447
p1 0.2287 ± 1.843e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

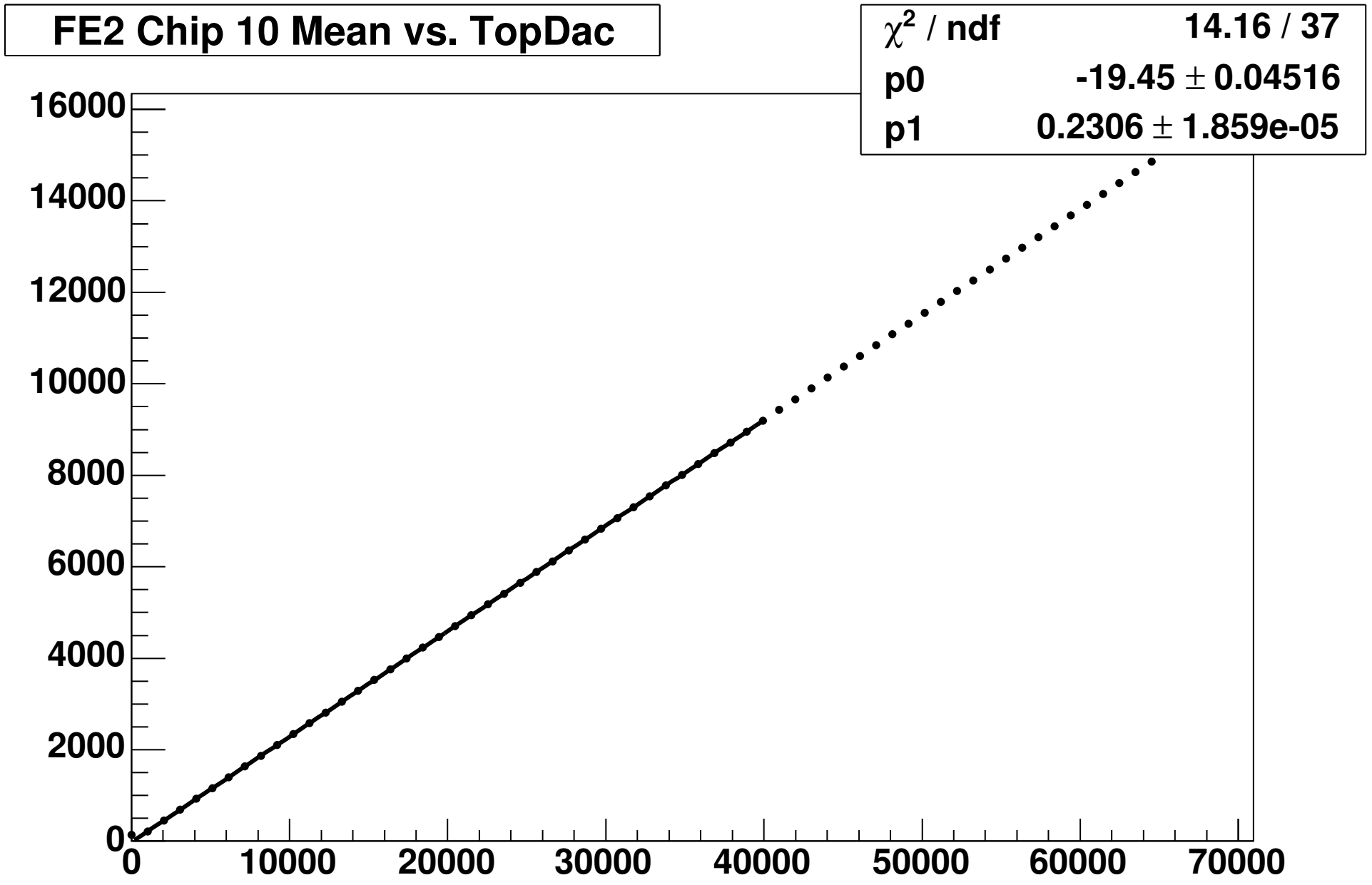

FE2 Chip 9 Rms vs. BotDac
χ² / ndf 4.641e+04 / 37
p0 5.977e-07 ± 0.0355
p1 0.008601 ± 1.063e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

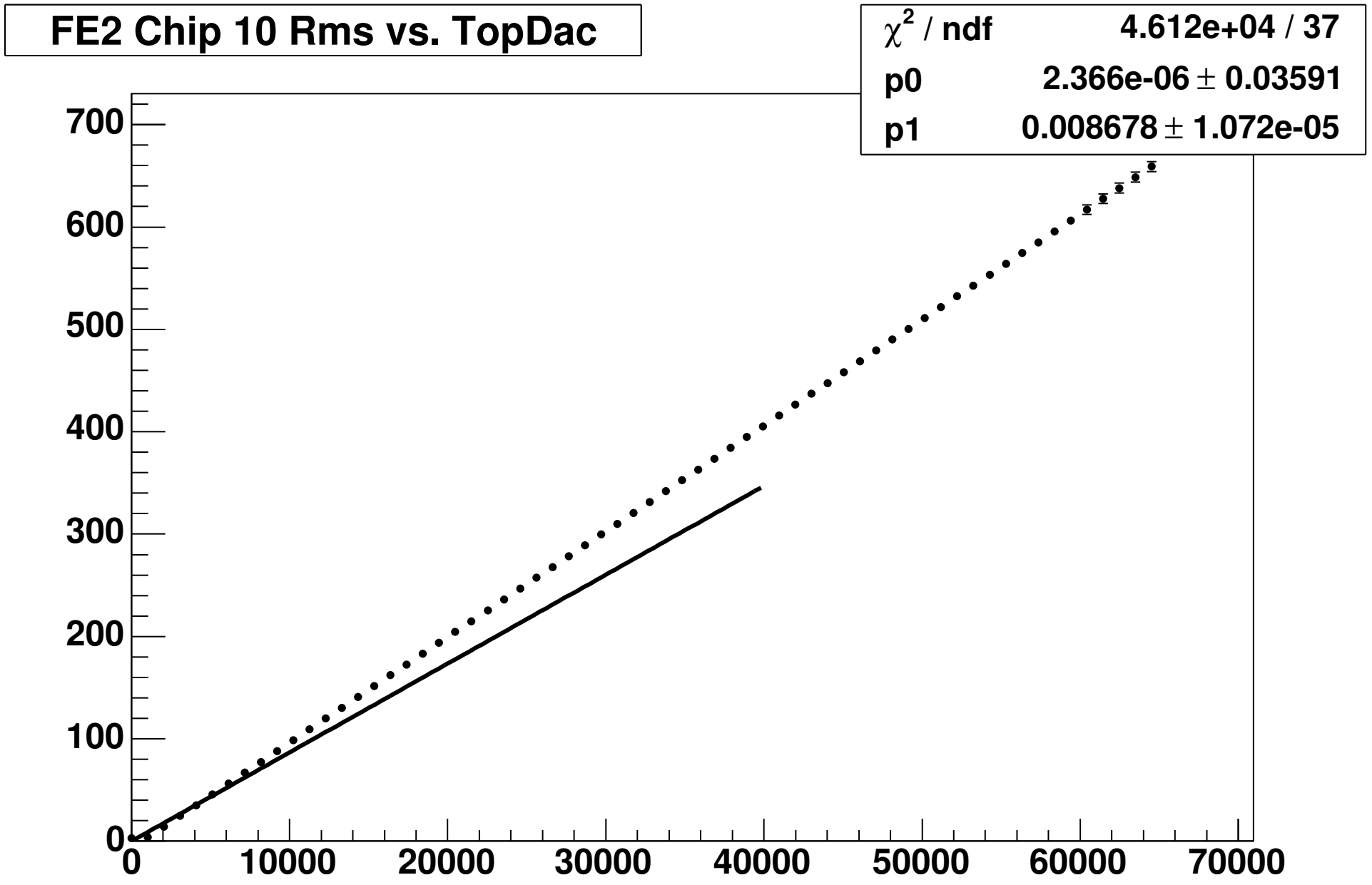

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 0.1472 / 37
p0 253.1 ± 0.04452
p1 0.0004654 ± 1.843e-05
290
285
280
275
270
265
260
255
250
0
10000
20000
30000
40000
50000
60000
70000

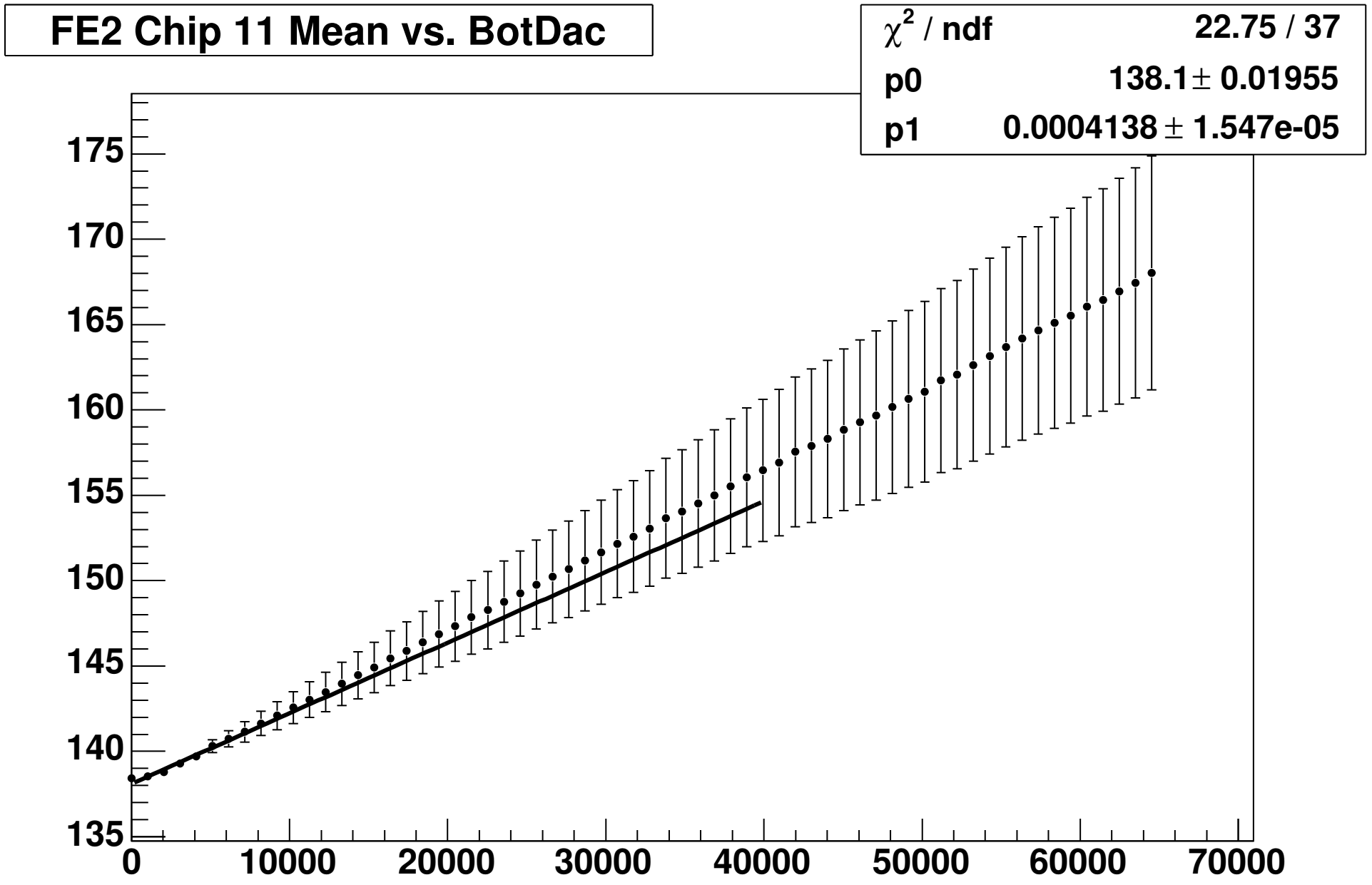

FE2 Chip 9 Rms vs. TopDac
χ² / ndf 4.705e+04 / 37
p0 2.016e-08 ± 0.03527
p1 0.00859 ± 1.062e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

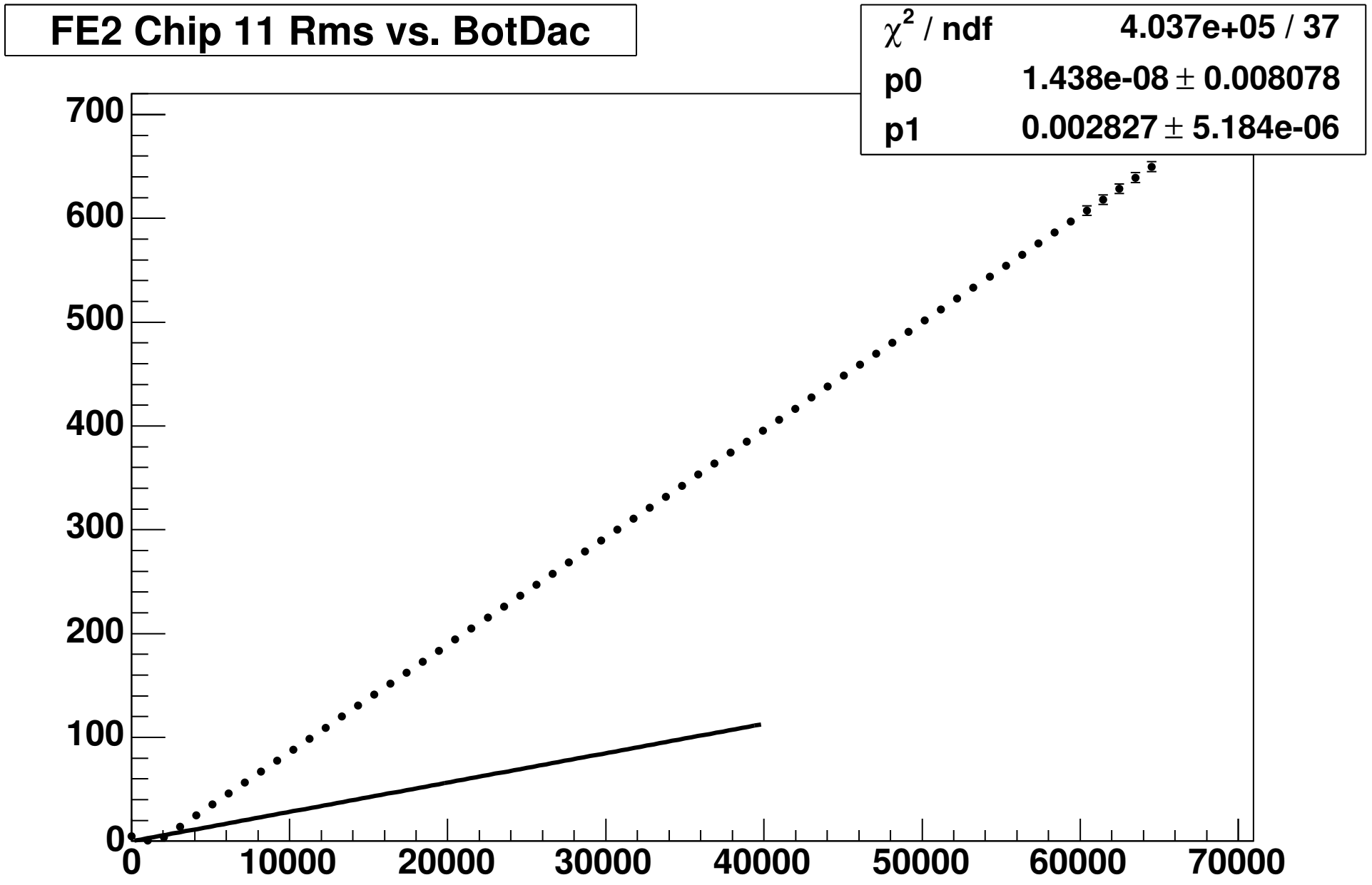

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 16.37 / 37
p0 136.9 ± 0.02033
p1 0.0004207 ± 1.551e-05
175
170
165
160
155
150
145
140
135
0
10000
20000
30000
40000
50000
60000
70000

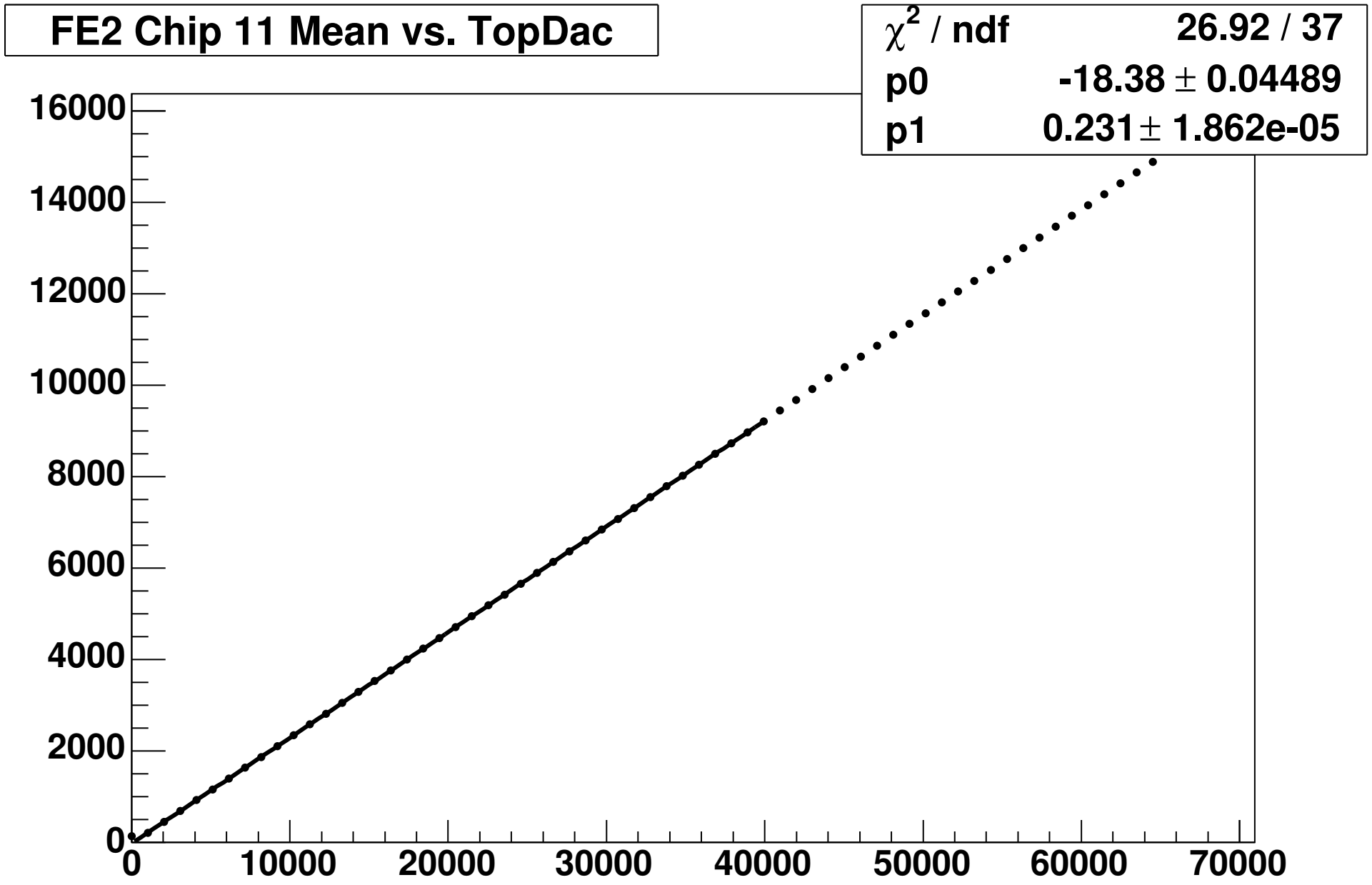

FE2 Chip 10 Rms vs. BotDac
χ² / ndf 3.752e+05 / 37
p0 2.381e-08 ± 0.008944
p1 0.003158 ± 5.531e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

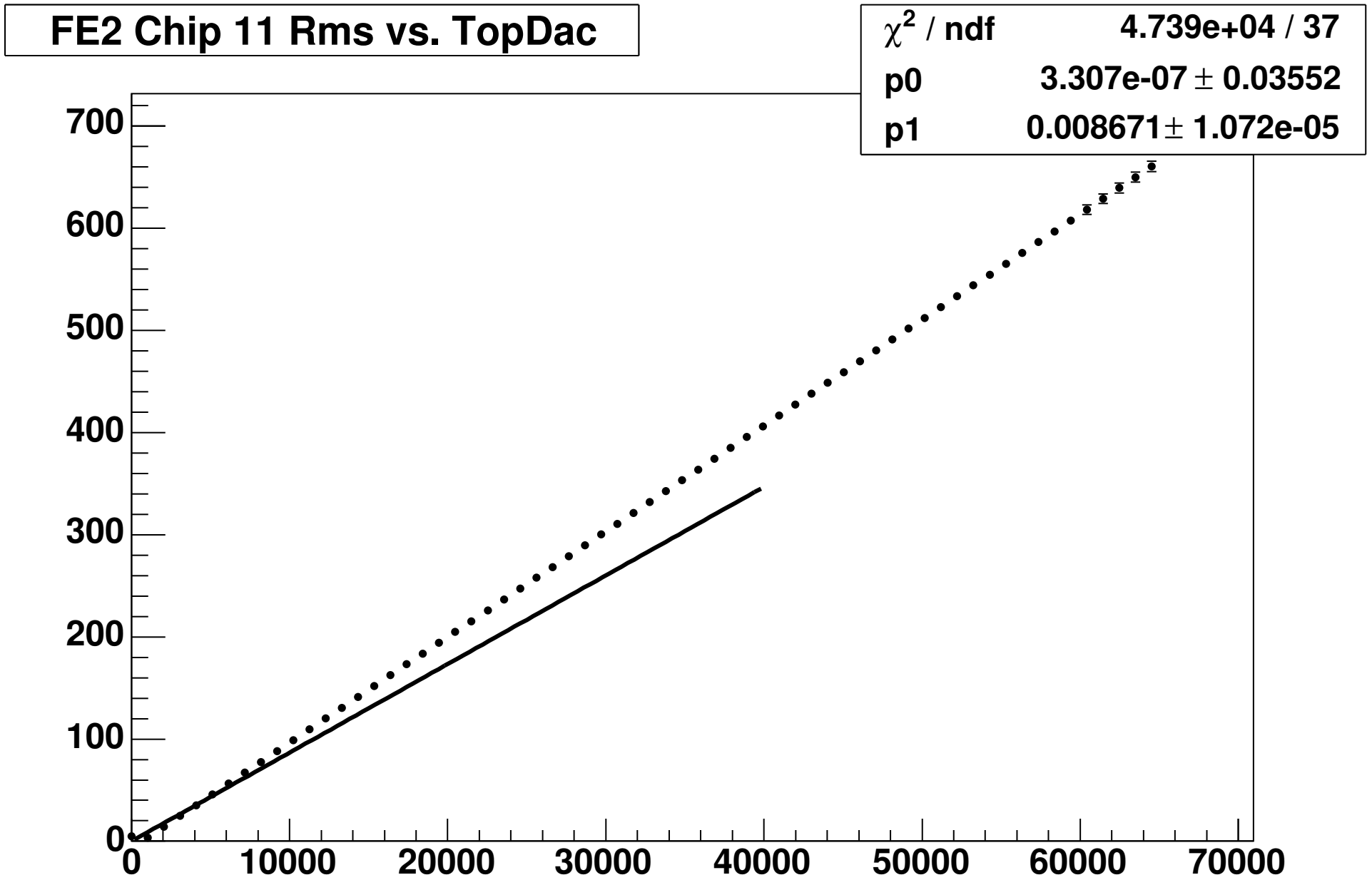

FE2 Chip 10 Mean vs. TopDac
χ² / ndf 14.16 / 37
p0 -19.45 ± 0.04516
p1 0.2306 ± 1.859e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

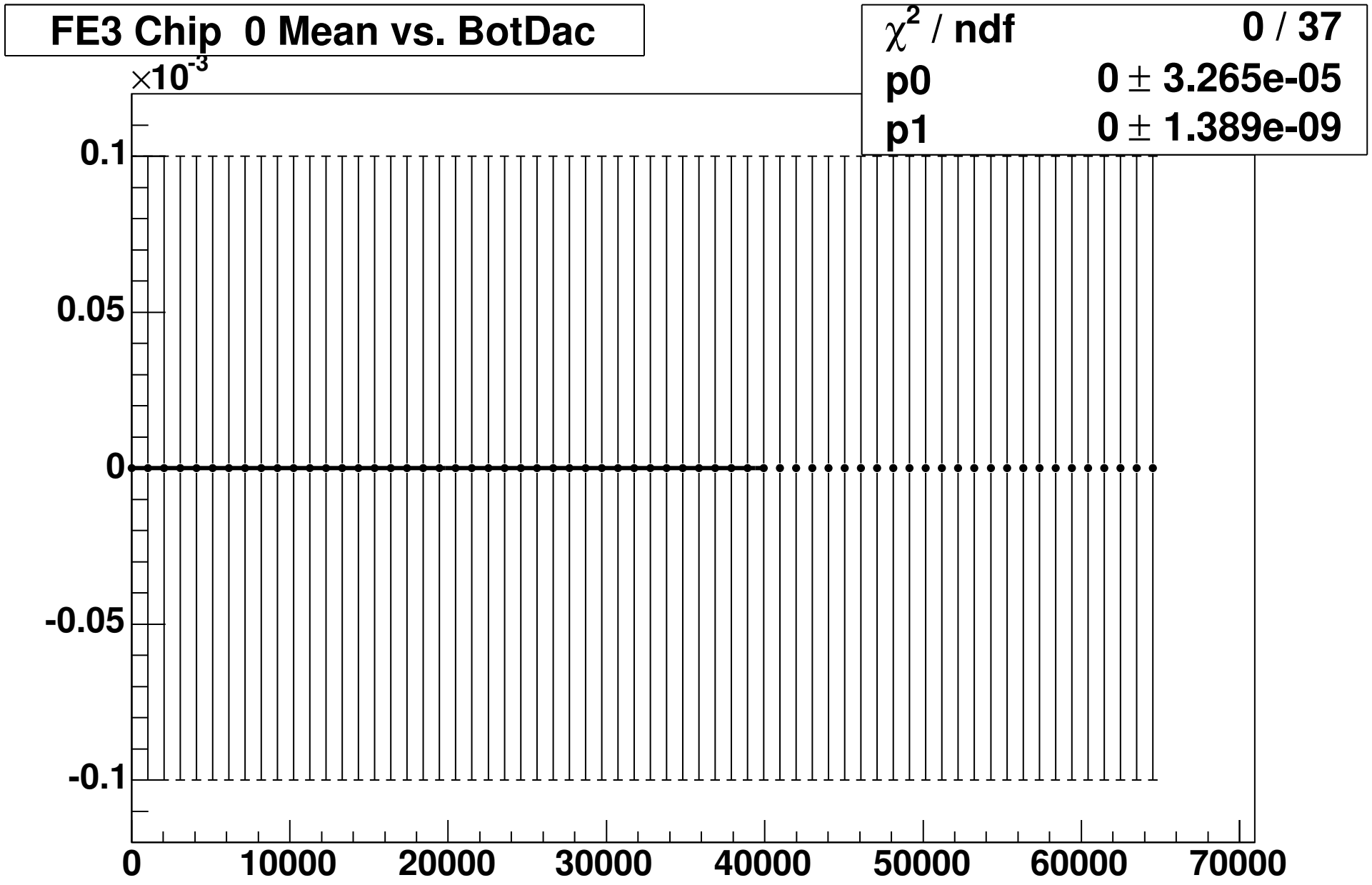

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 4.612e+04 / 37
p0 2.366e-06 ± 0.03591
p1 0.008678 ± 1.072e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

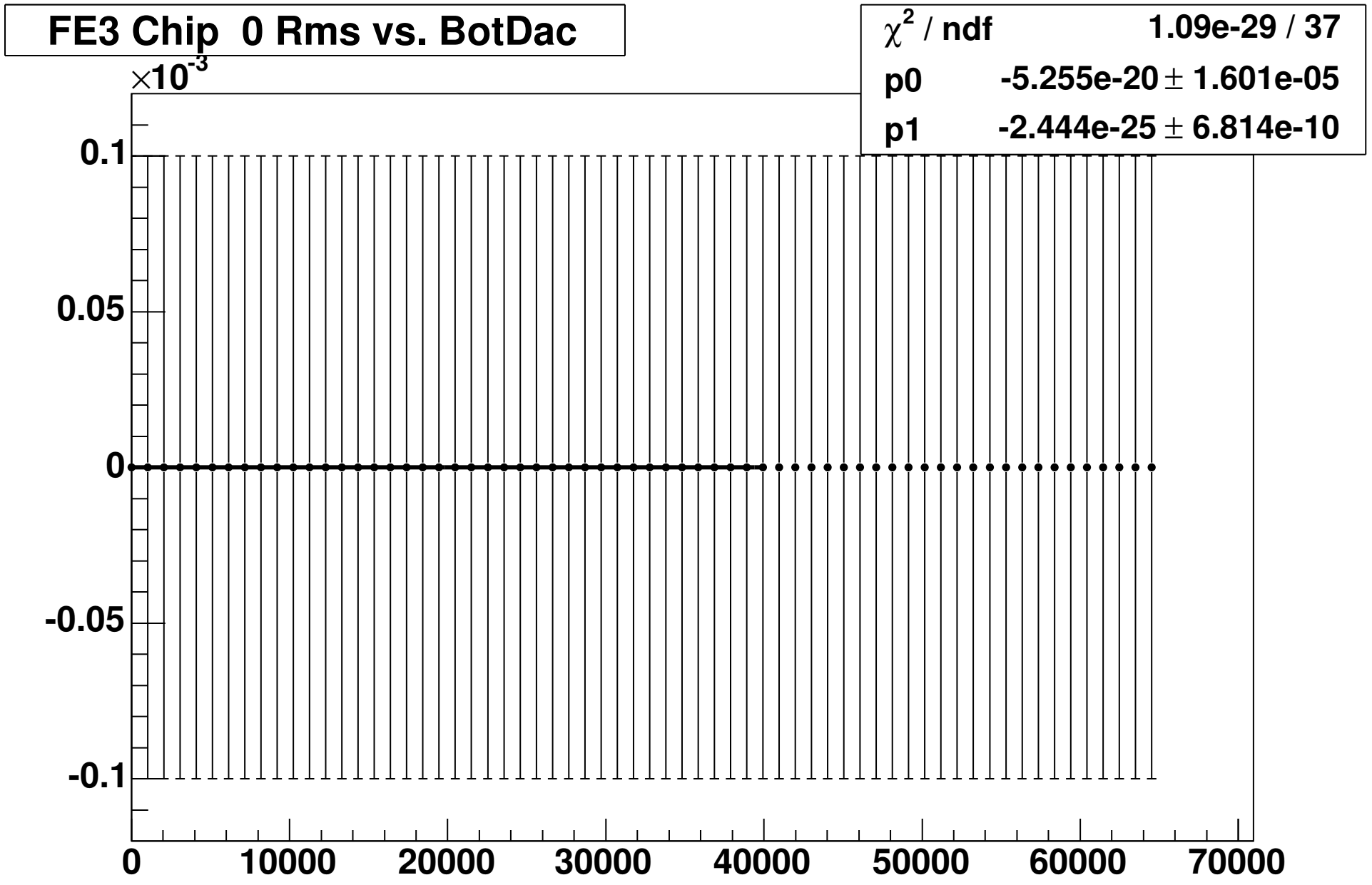

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 22.75 / 37
p0 138.1 ± 0.01955
p1 0.0004138 ± 1.547e-05
175
170
165
160
155
150
145
140
135
0
10000
20000
30000
40000
50000
60000
70000

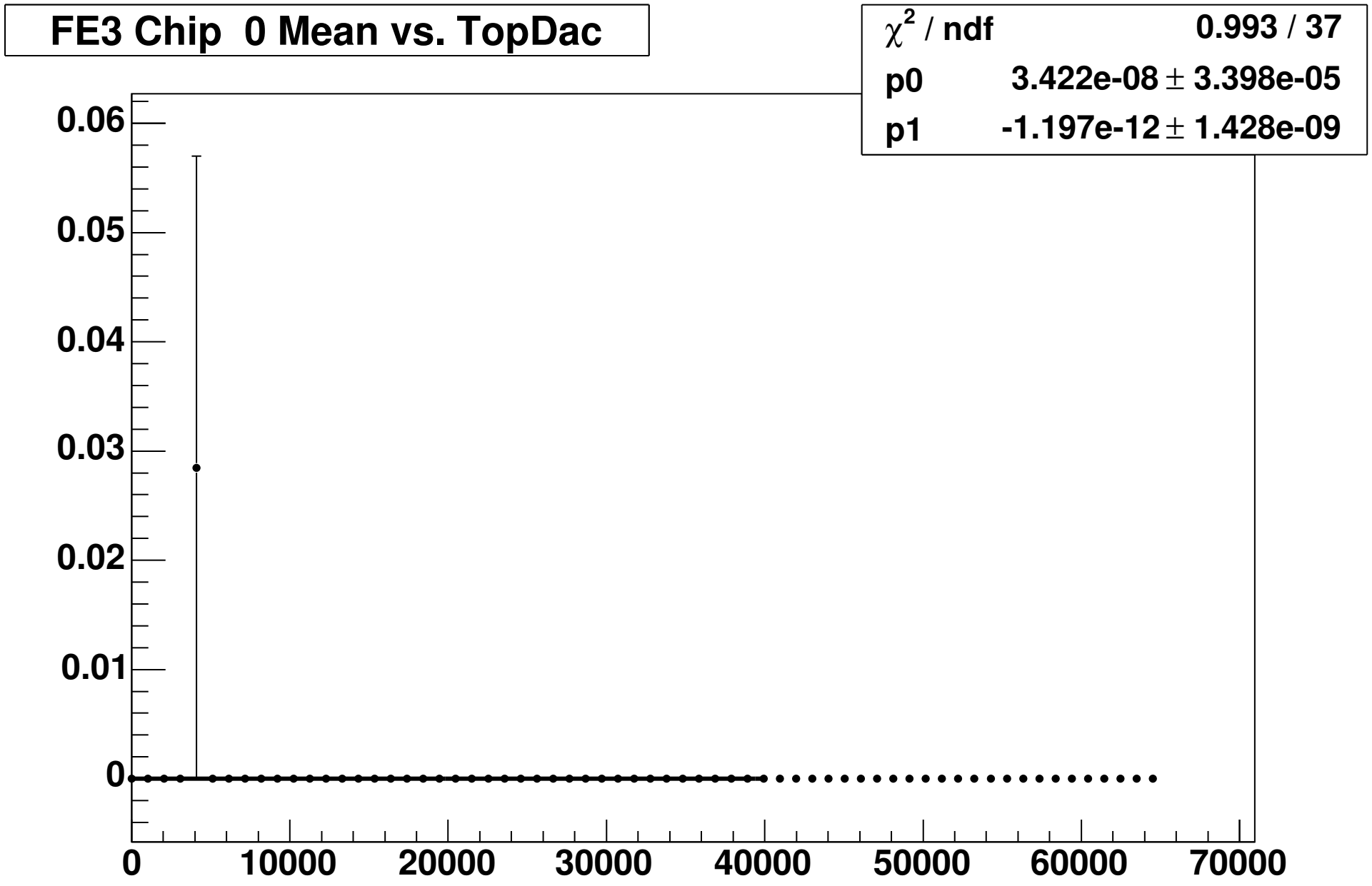

FE2 Chip 11 Rms vs. BotDac
χ² / ndf 4.037e+05 / 37
p0 1.438e-08 ± 0.008078
p1 0.002827 ± 5.184e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

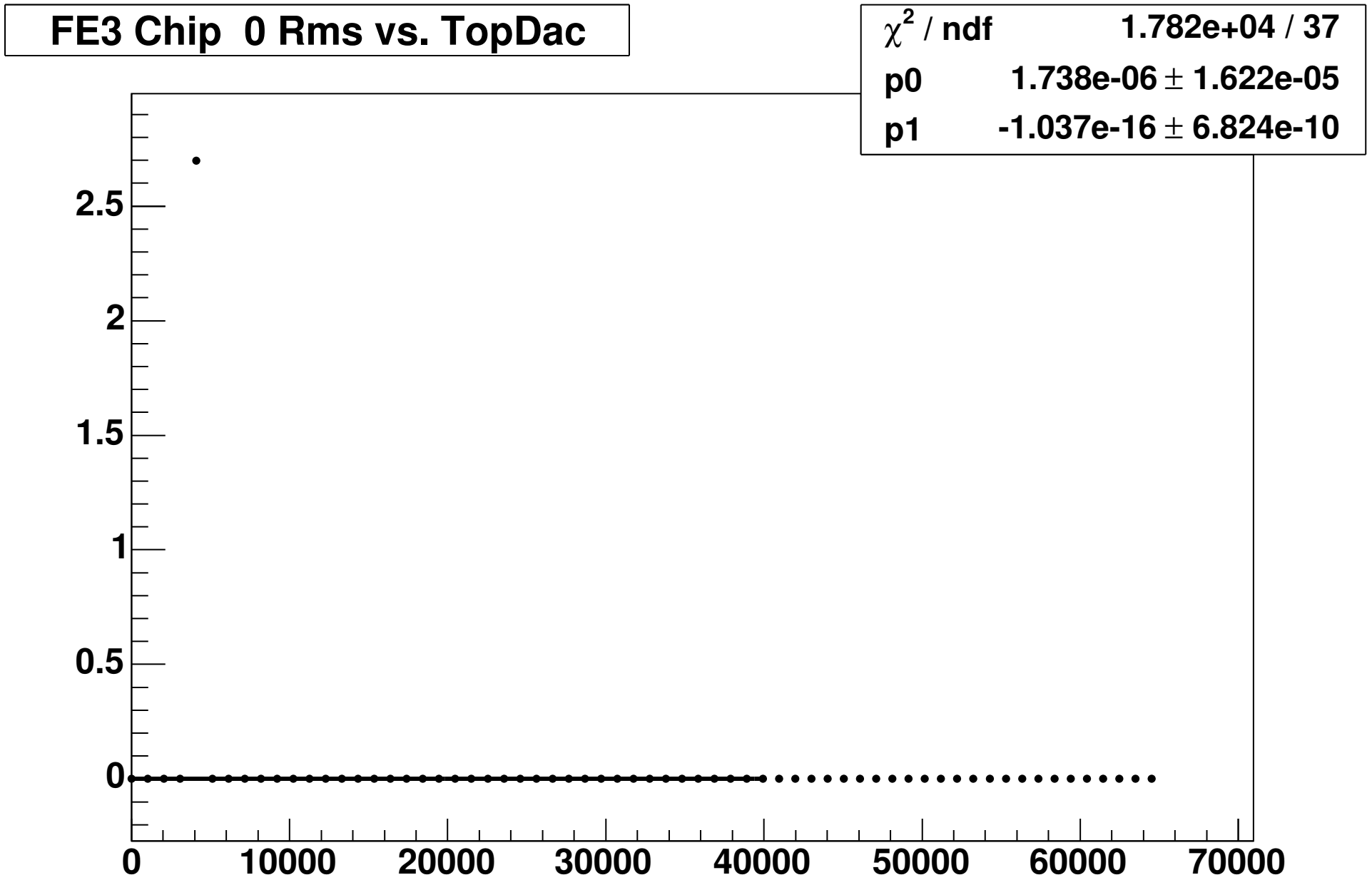

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 26.92 / 37
p0 -18.38 ± 0.04489
p1 0.231 ± 1.862e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

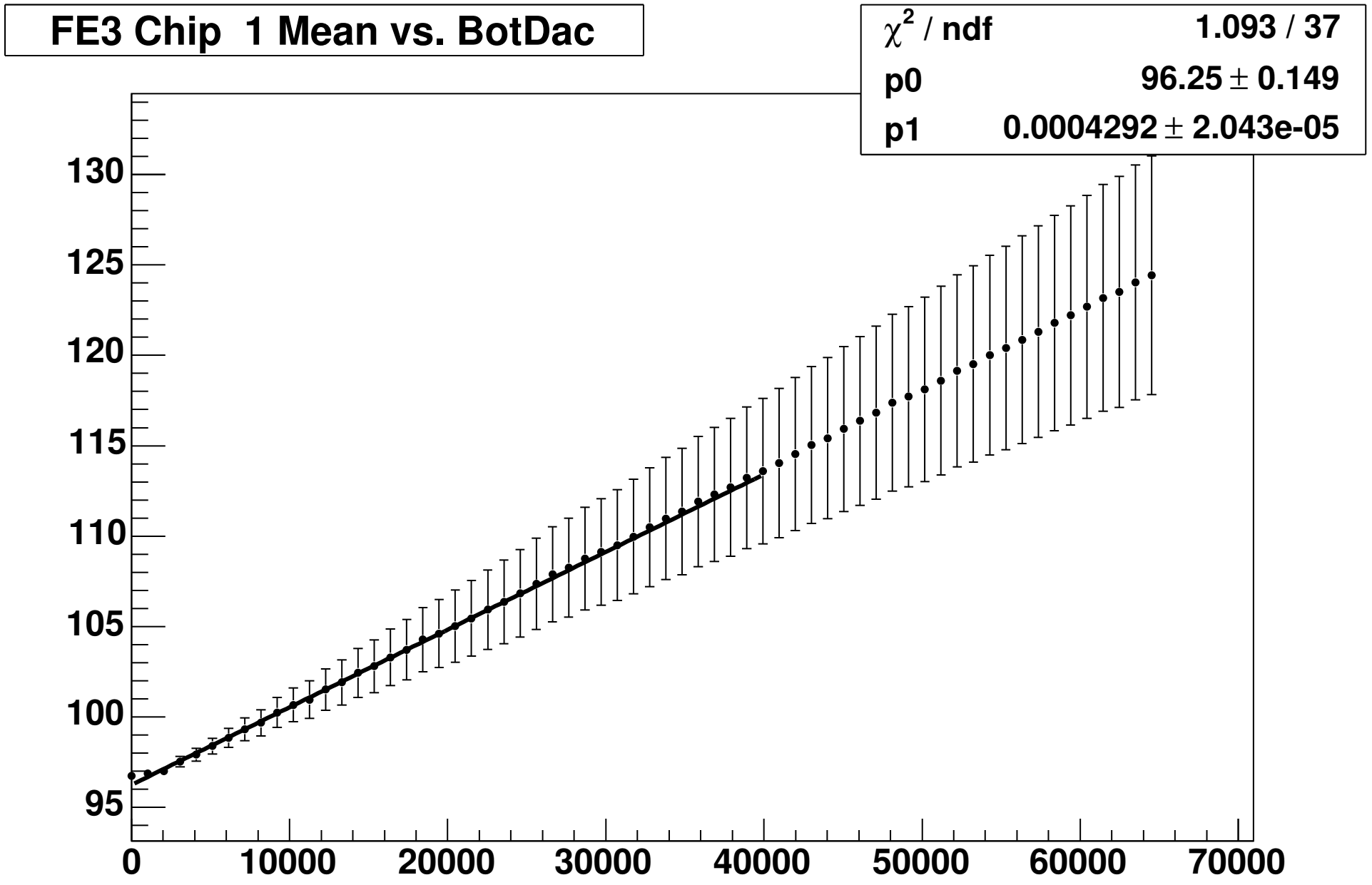

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 4.739e+04 / 37
p0 3.307e-07 ± 0.03552
p1 0.008671 ± 1.072e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

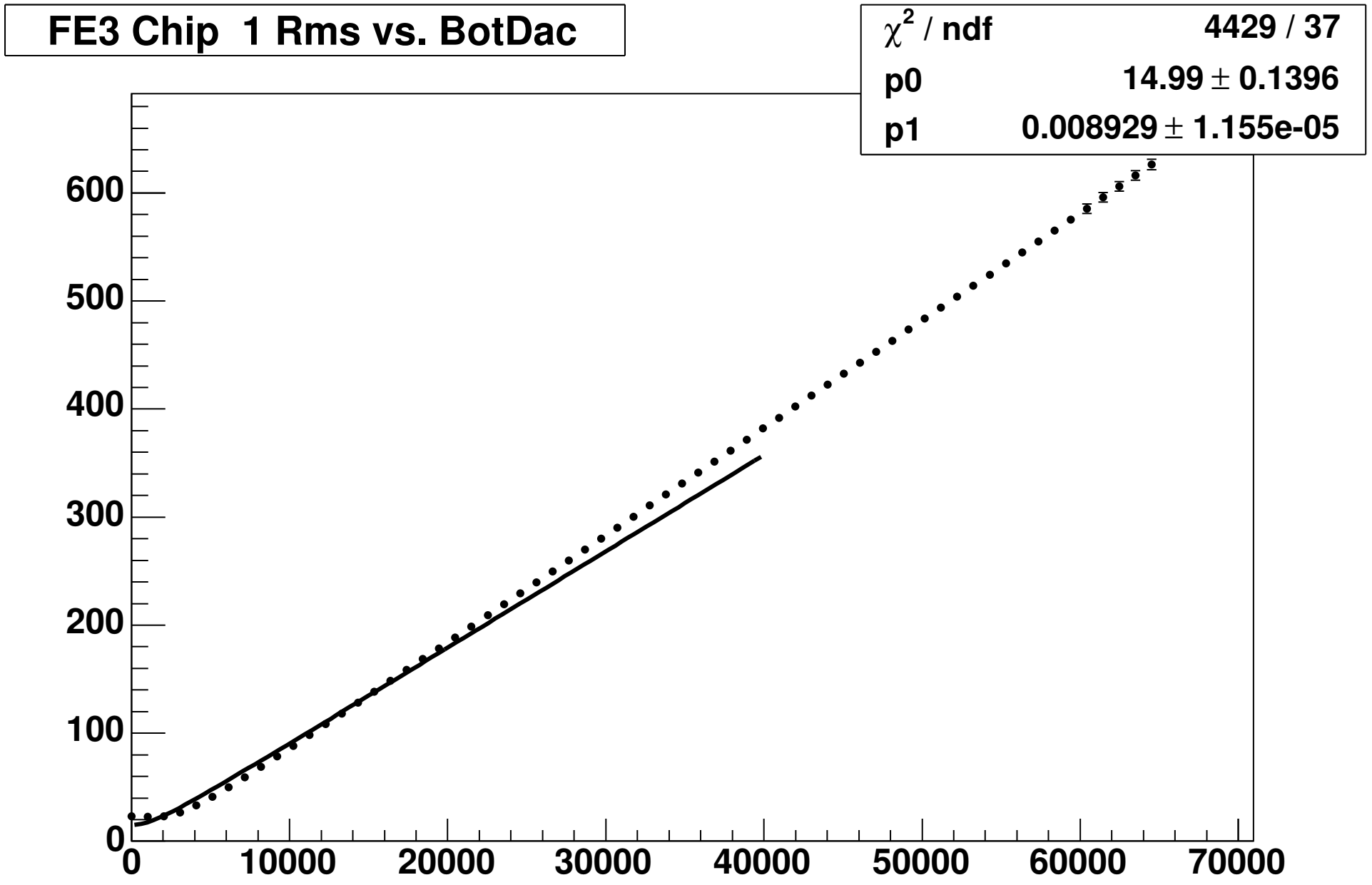

FE3 Chip 0 Mean vs. BotDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

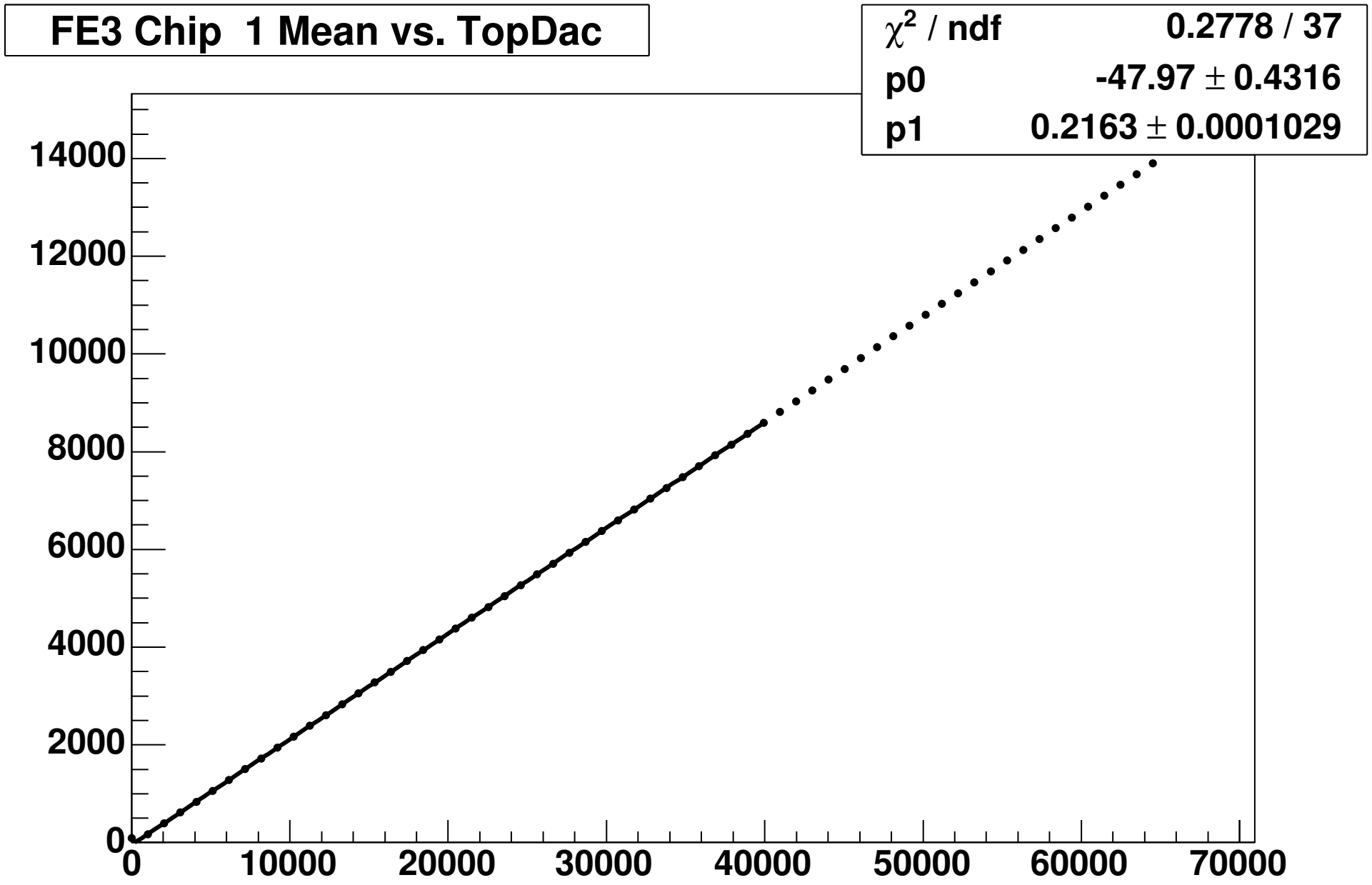

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 1.09e-29 / 37
p0 -5.255e-20 ± 1.601e-05
p1 -2.444e-25 ± 6.814e-10
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

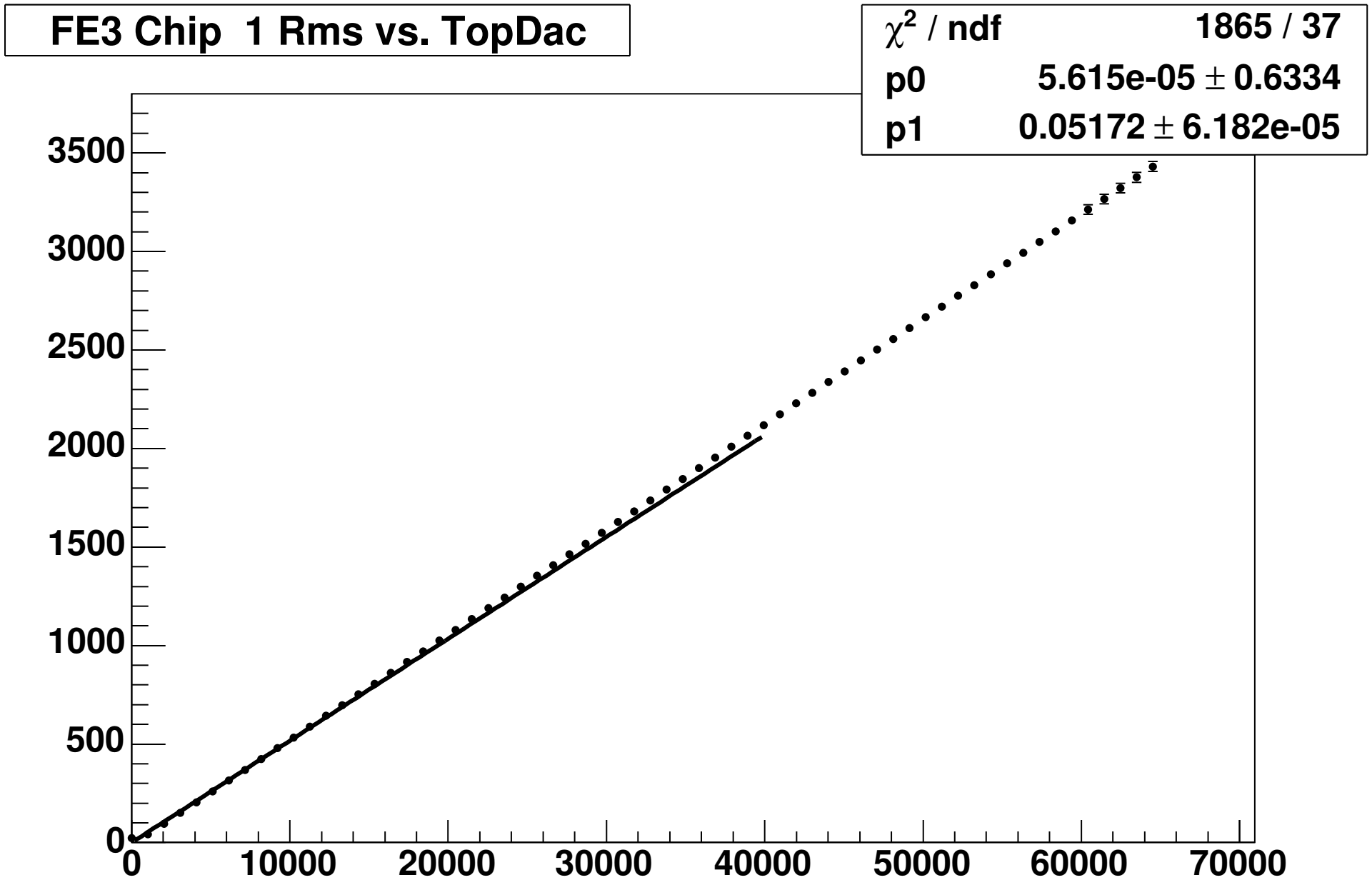

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 0.993 / 37
p0 3.422e-08 ± 3.398e-05
p1 -1.197e-12 ± 1.428e-09
0.06
0.05
0.04
0.03
0.02
0.01
0
0
10000
20000
30000
40000
50000
60000
70000

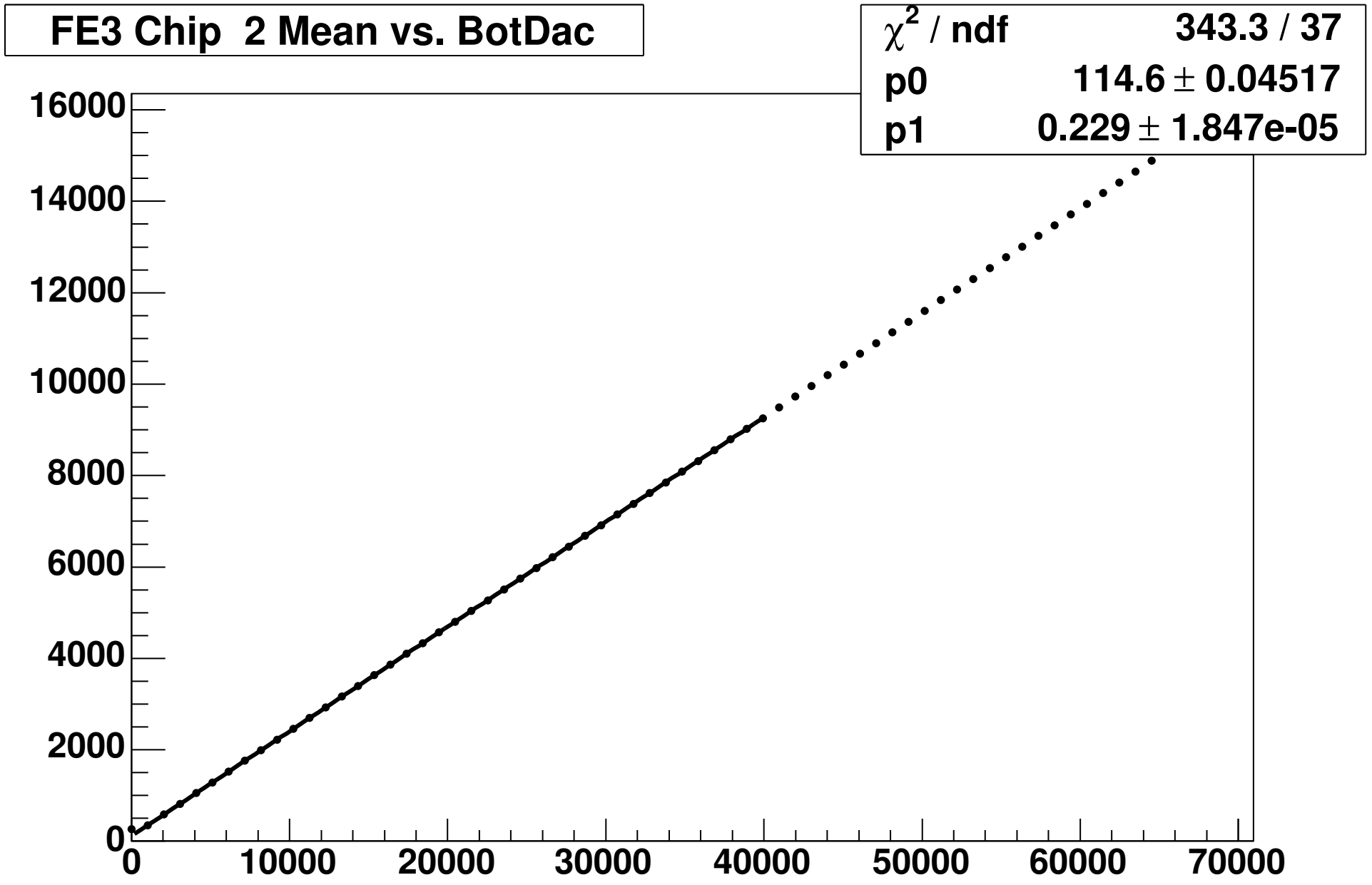

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 1.782e+04 / 37
p0 1.738e-06 ± 1.622e-05
p1 -1.037e-16 ± 6.824e-10
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

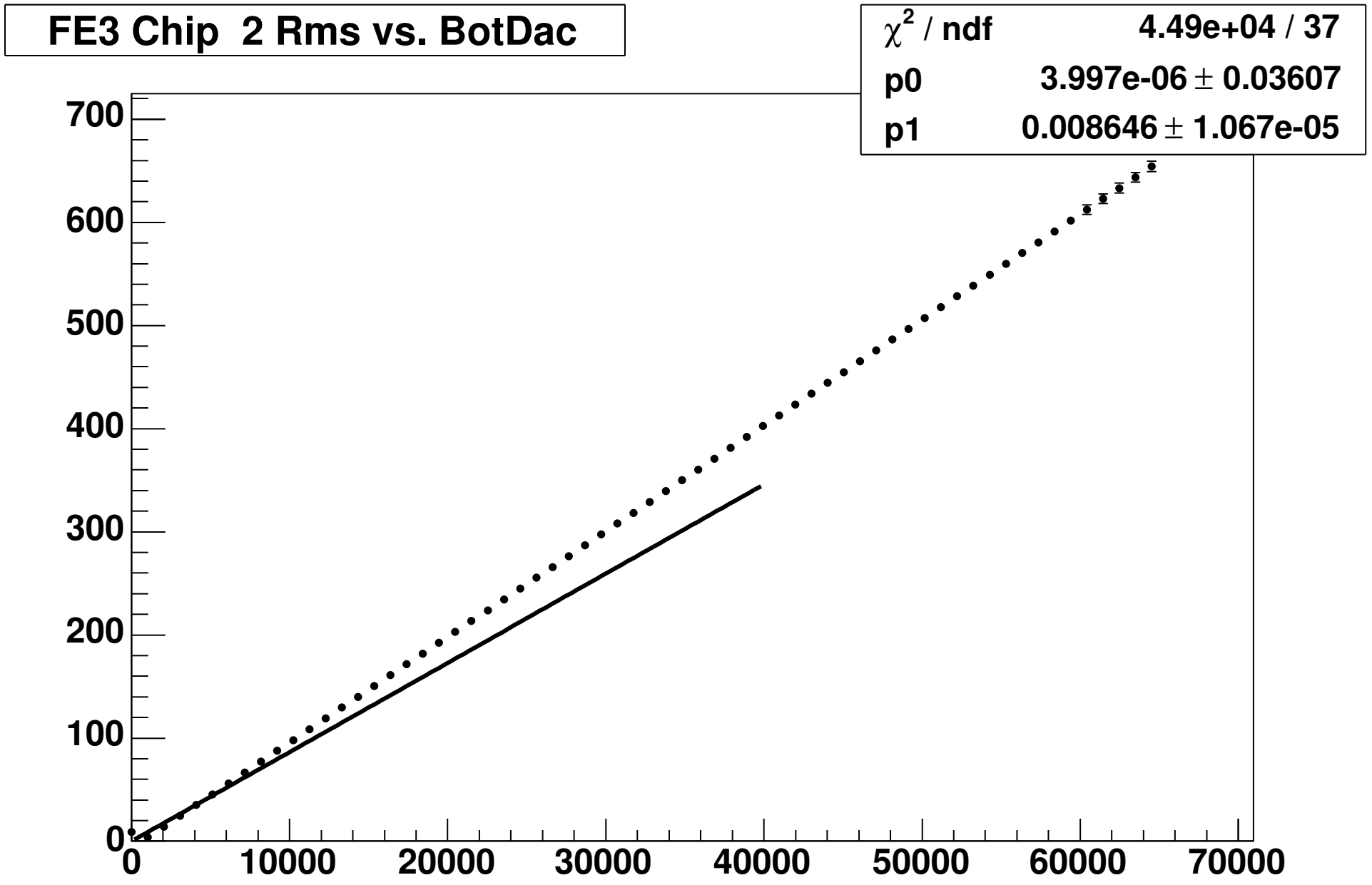

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.093 / 37
p0 96.25 ± 0.149
p1 0.0004292 ± 2.043e-05
130
125
120
115
110
105
100
95
0
10000
20000
30000
40000
50000
60000
70000

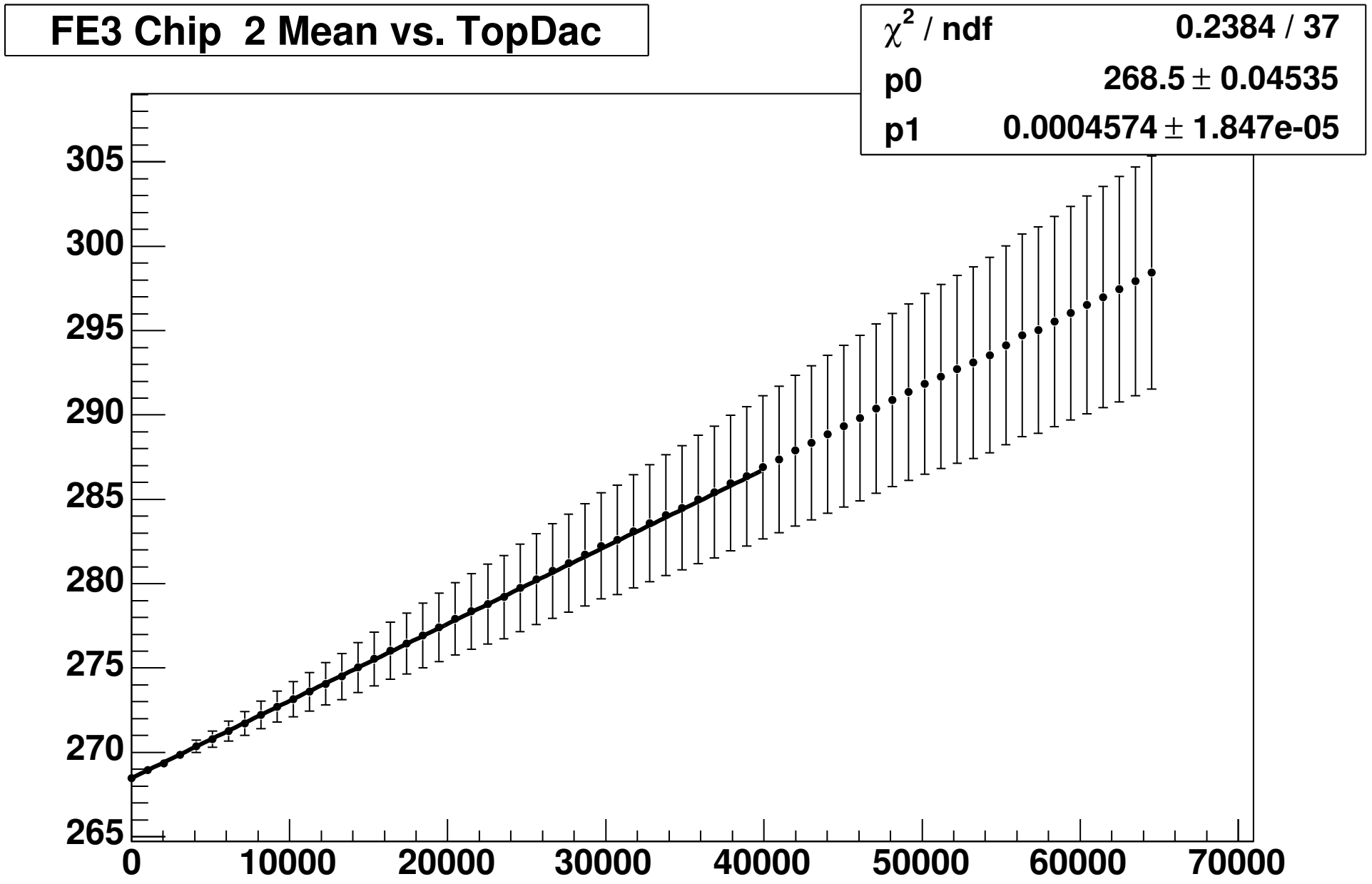

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 4429 / 37
p0 14.99 ± 0.1396
p1 0.008929 ± 1.155e-05
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

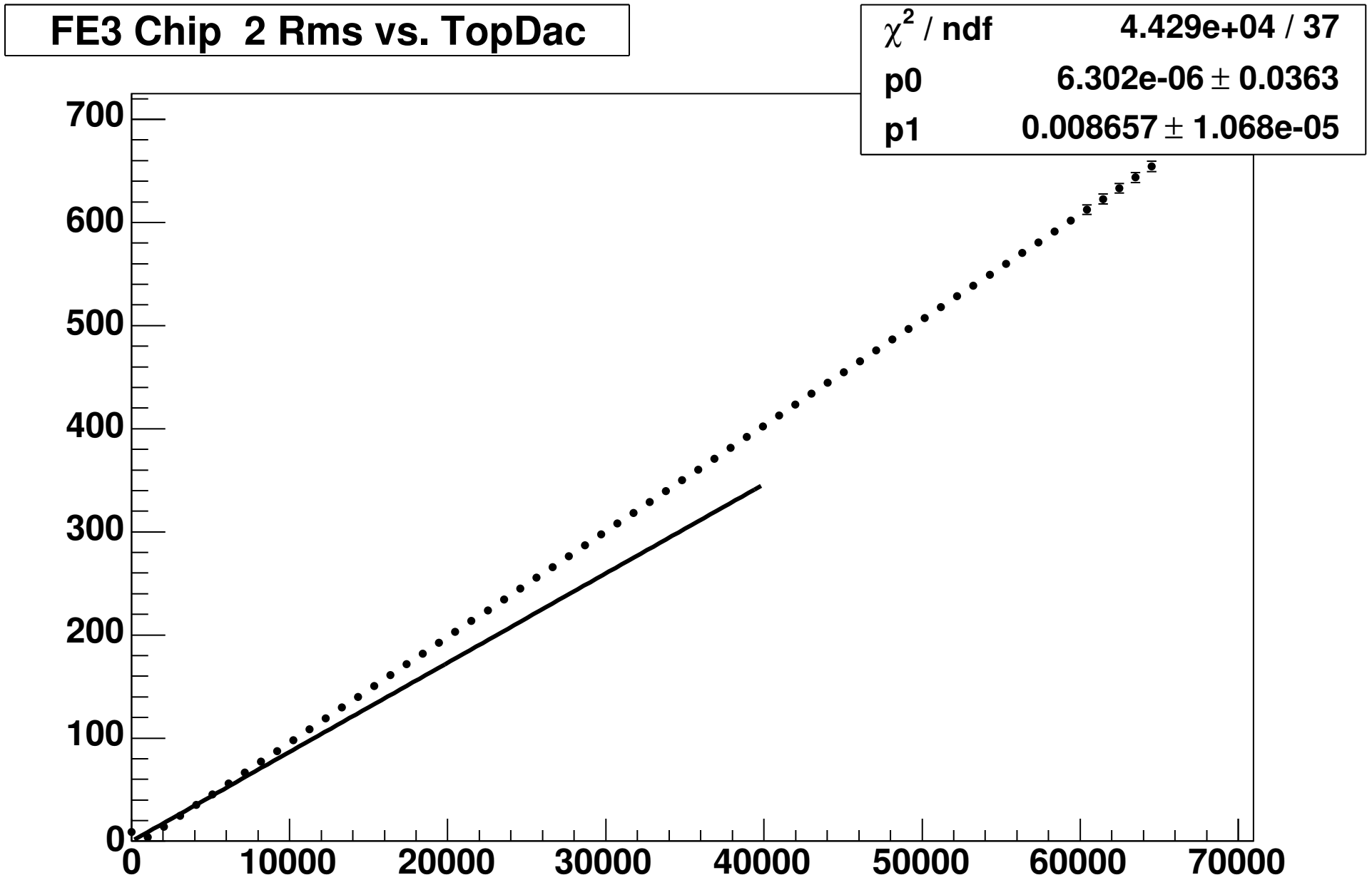

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 0.2778 / 37
p0 -47.97 ± 0.4316
p1 0.2163 ± 0.0001029
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

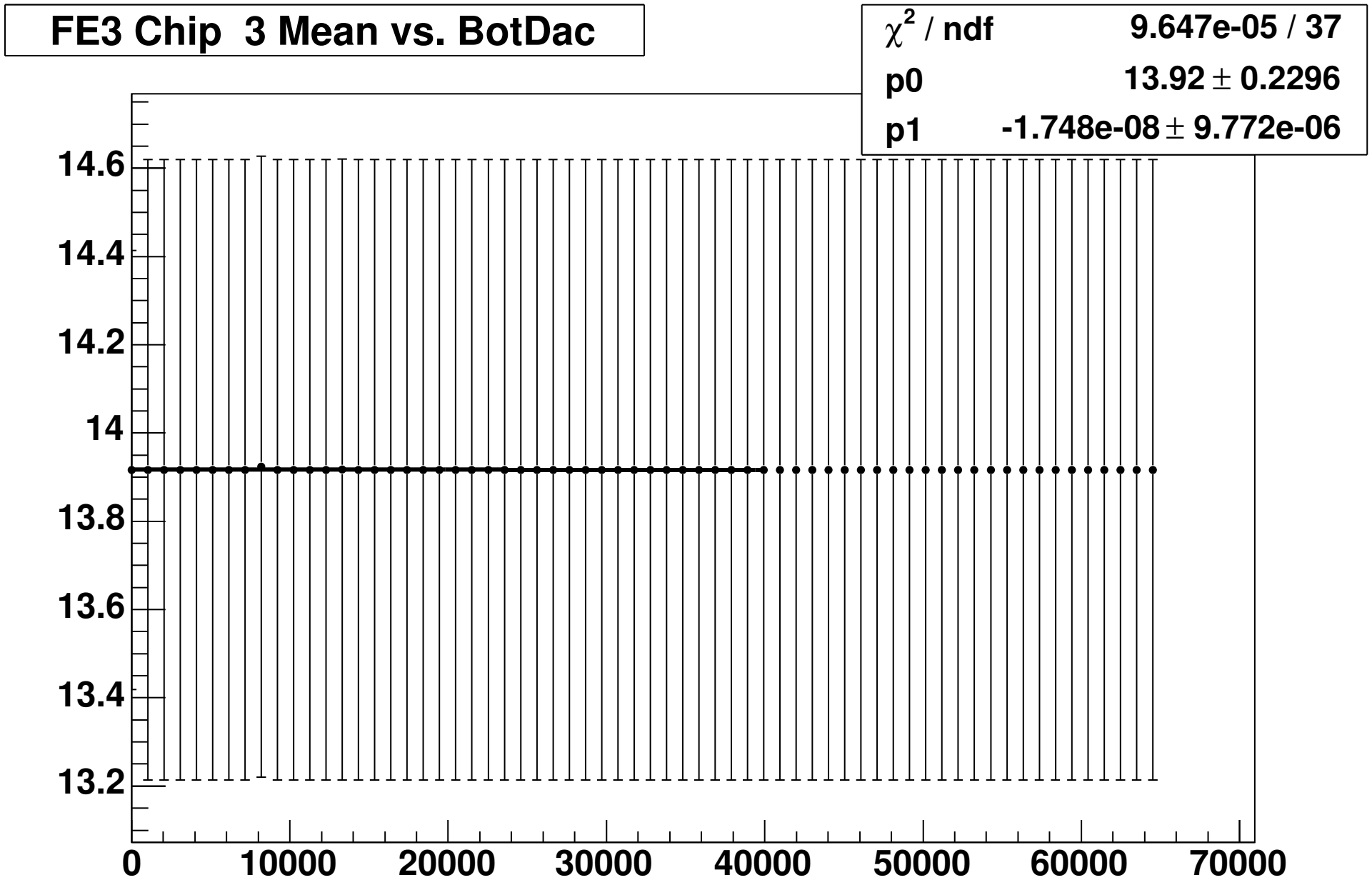

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 1865 / 37
p0 5.615e-05 ± 0.6334
p1 0.05172 ± 6.182e-05
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

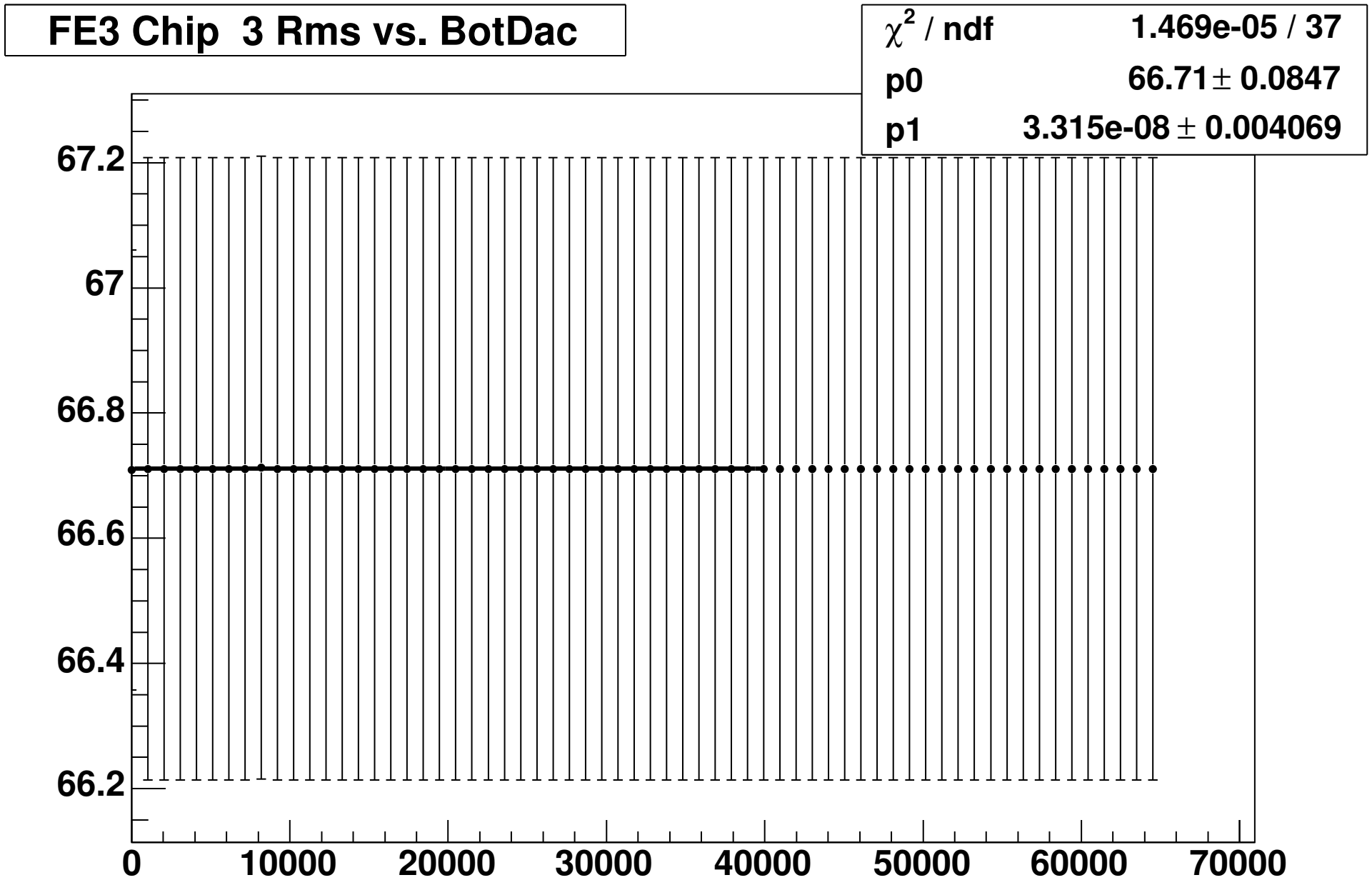

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 343.3 / 37
p0 114.6 ± 0.04517
p1 0.229 ± 1.847e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

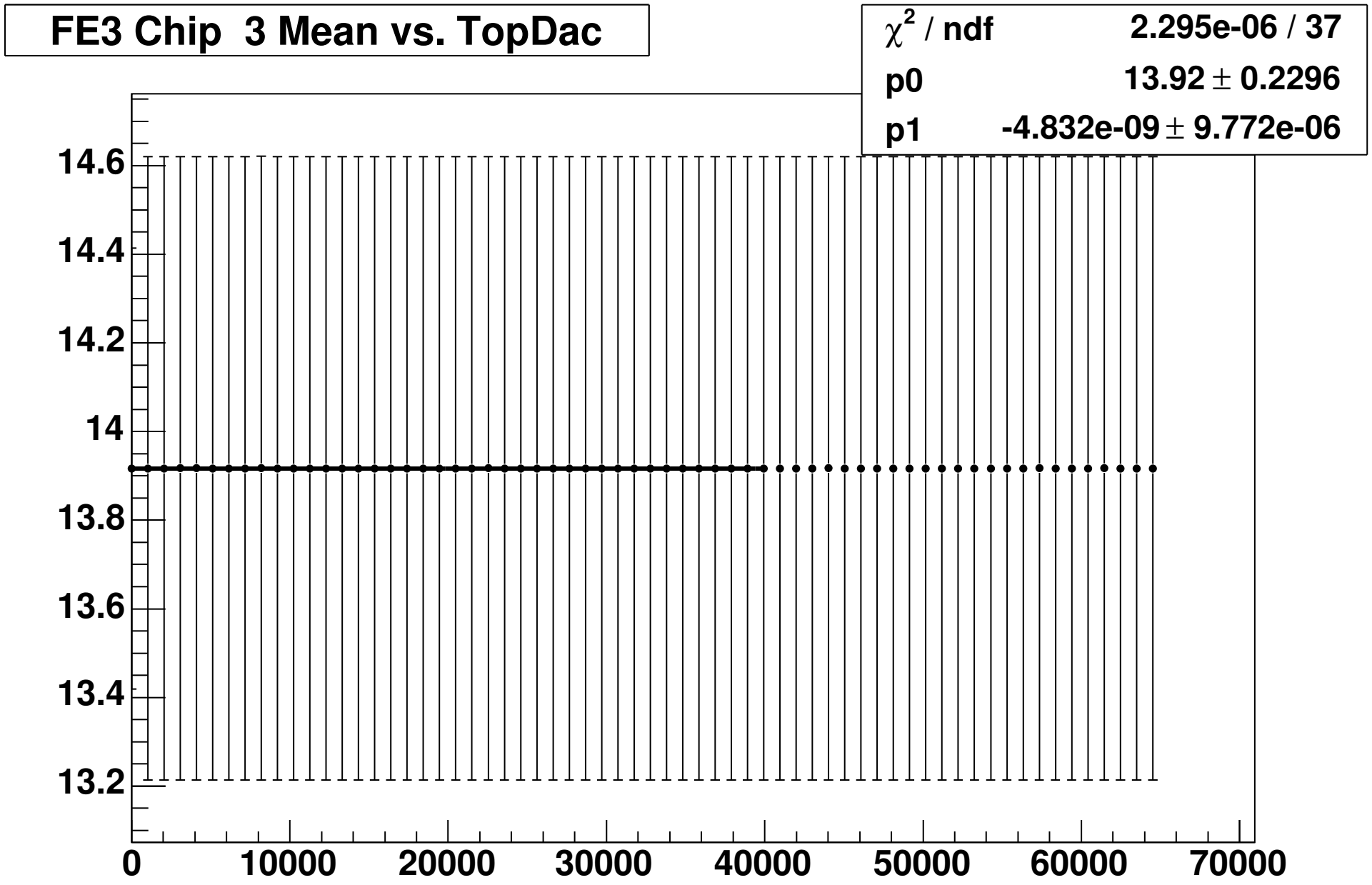

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 4.49e+04 / 37
p0 3.997e-06 ± 0.03607
p1 0.008646 ± 1.067e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

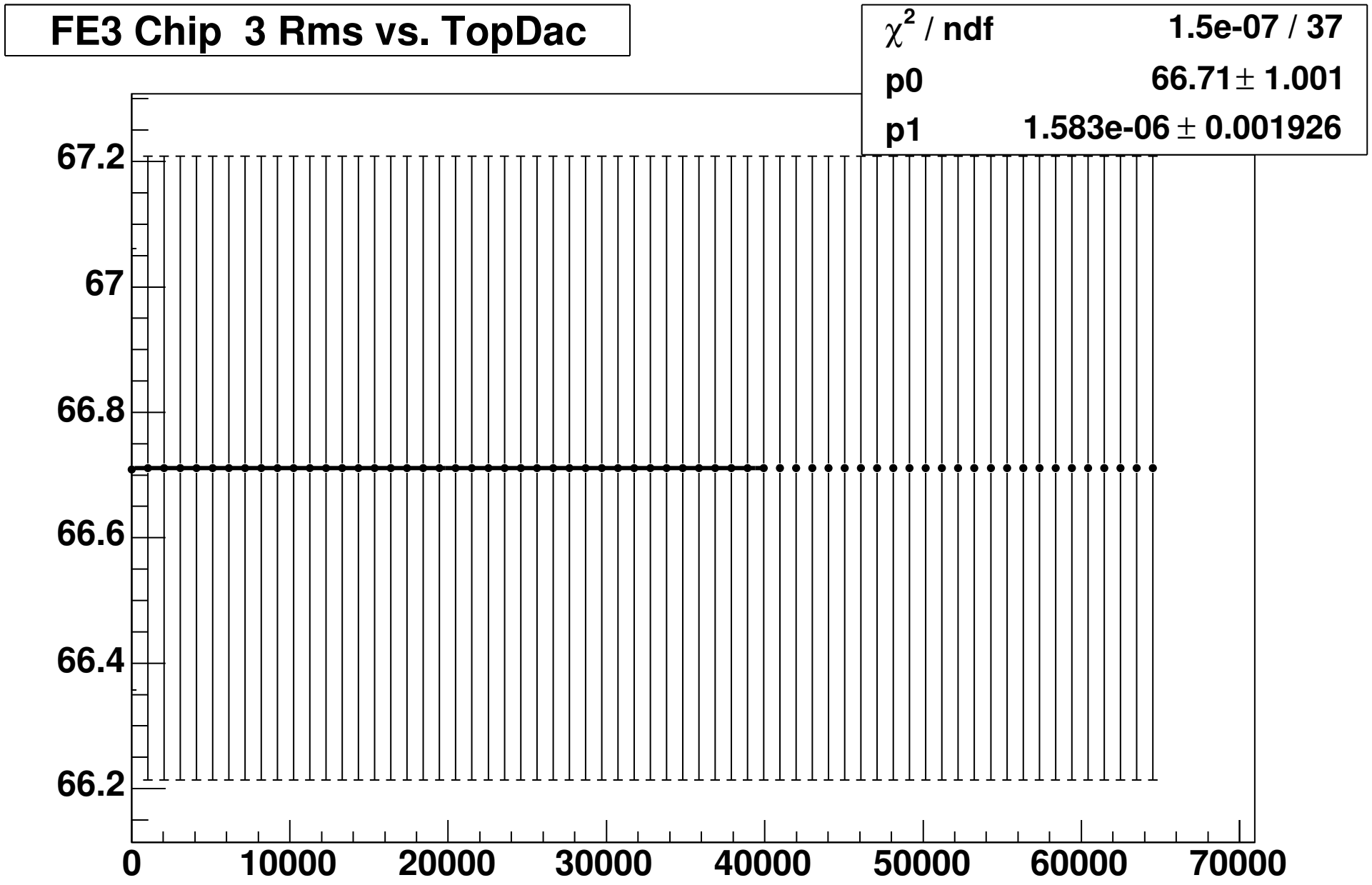

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 0.2384 / 37
p0 268.5 ± 0.04535
p1 0.0004574 ± 1.847e-05
305
300
295
290
285
280
275
270
265
0
10000
20000
30000
40000
50000
60000
70000

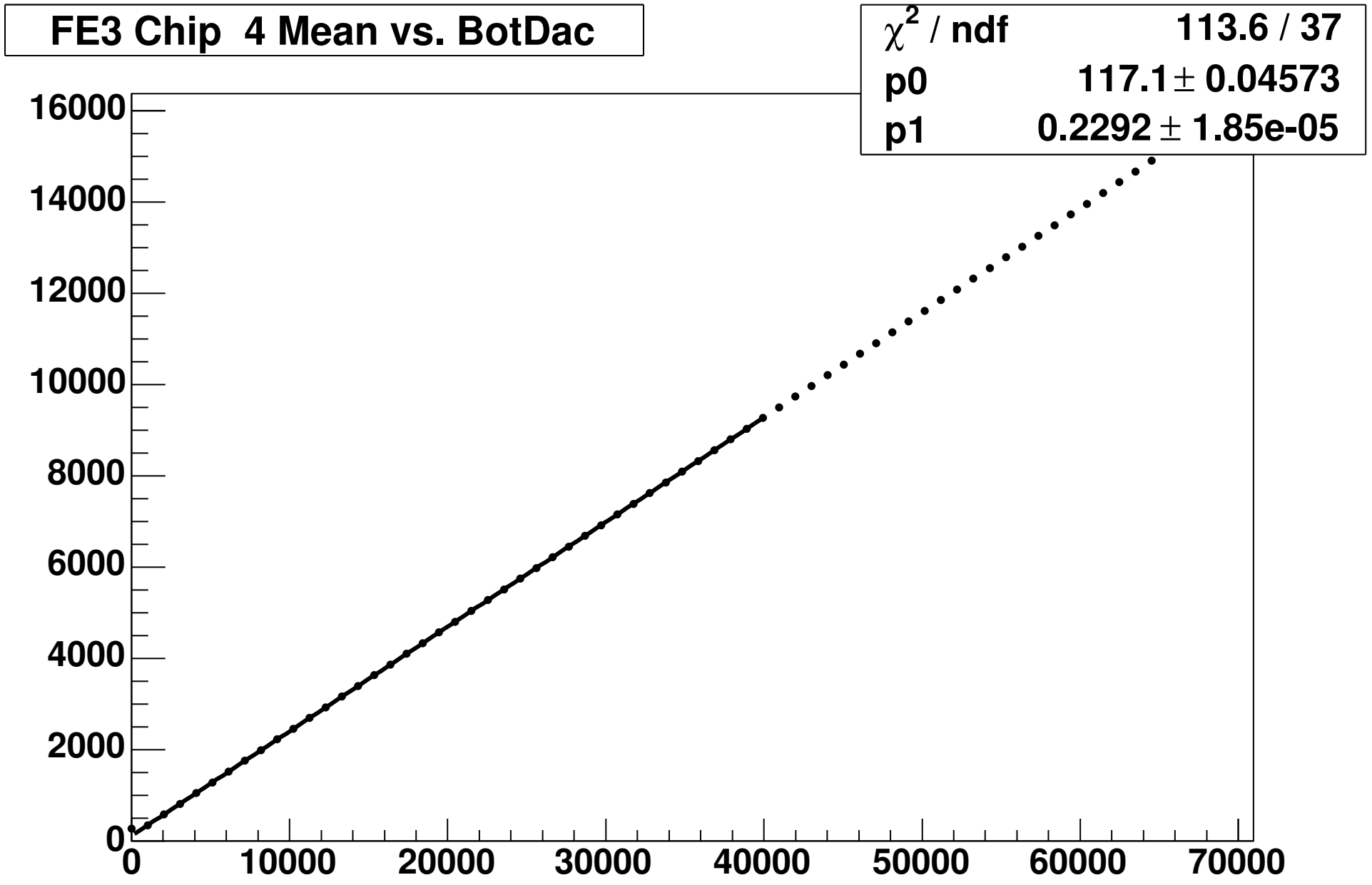

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 4.429e+04 / 37
p0 6.302e-06 ± 0.0363
p1 0.008657 ± 1.068e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

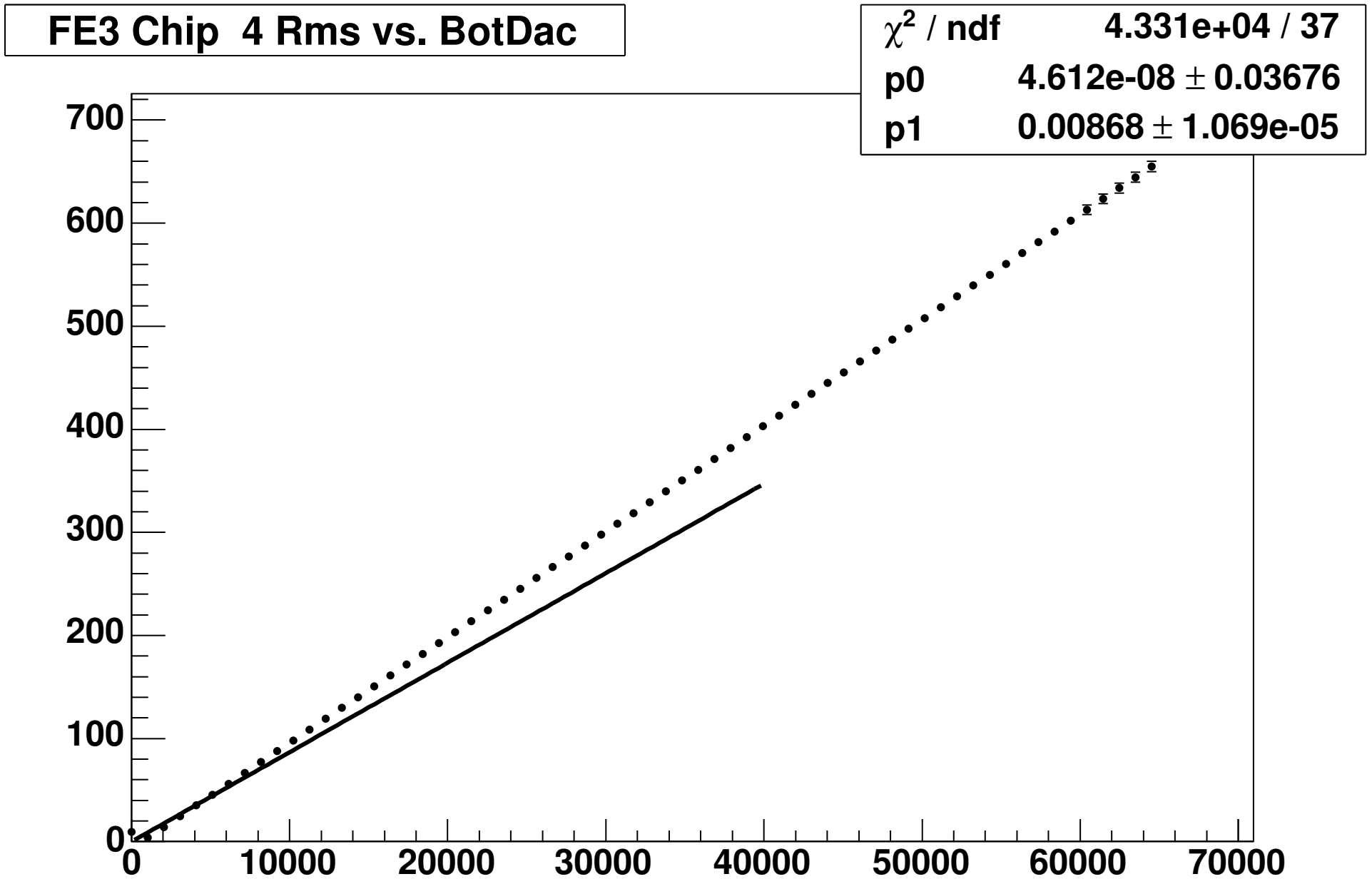

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 9.647e-05 / 37
p0 13.92 ± 0.2296
p1 -1.748e-08 ± 9.772e-06
14.6
14.4
14.2
14
13.8
13.6
13.4
13.2
0
10000
20000
30000
40000
50000
60000
70000

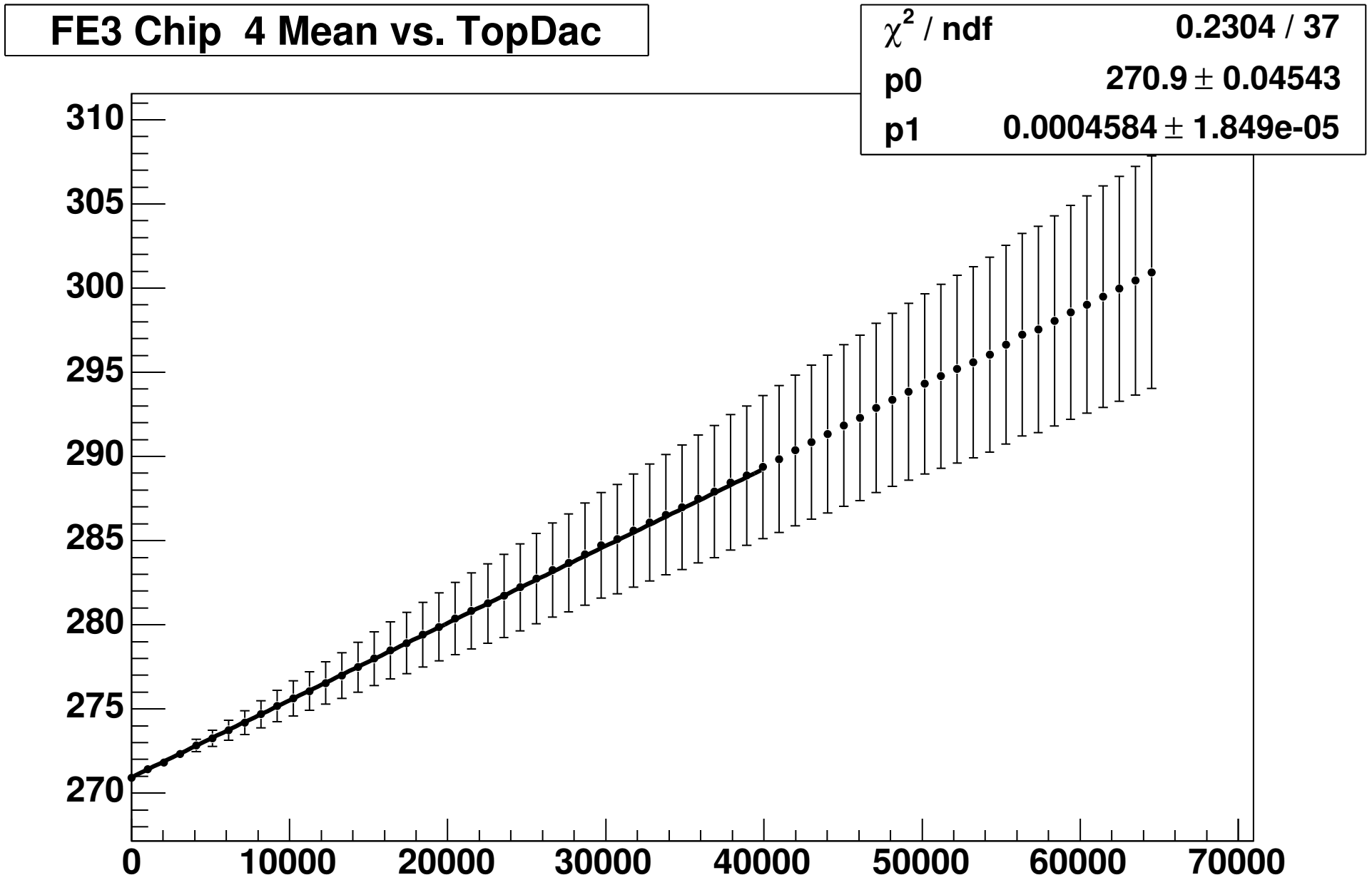

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1.469e-05 / 37
p0 66.71 ± 0.0847
p1 3.315e-08 ± 0.004069
67.2
67
66.8
66.6
66.4
66.2
0
10000
20000
30000
40000
50000
60000
70000

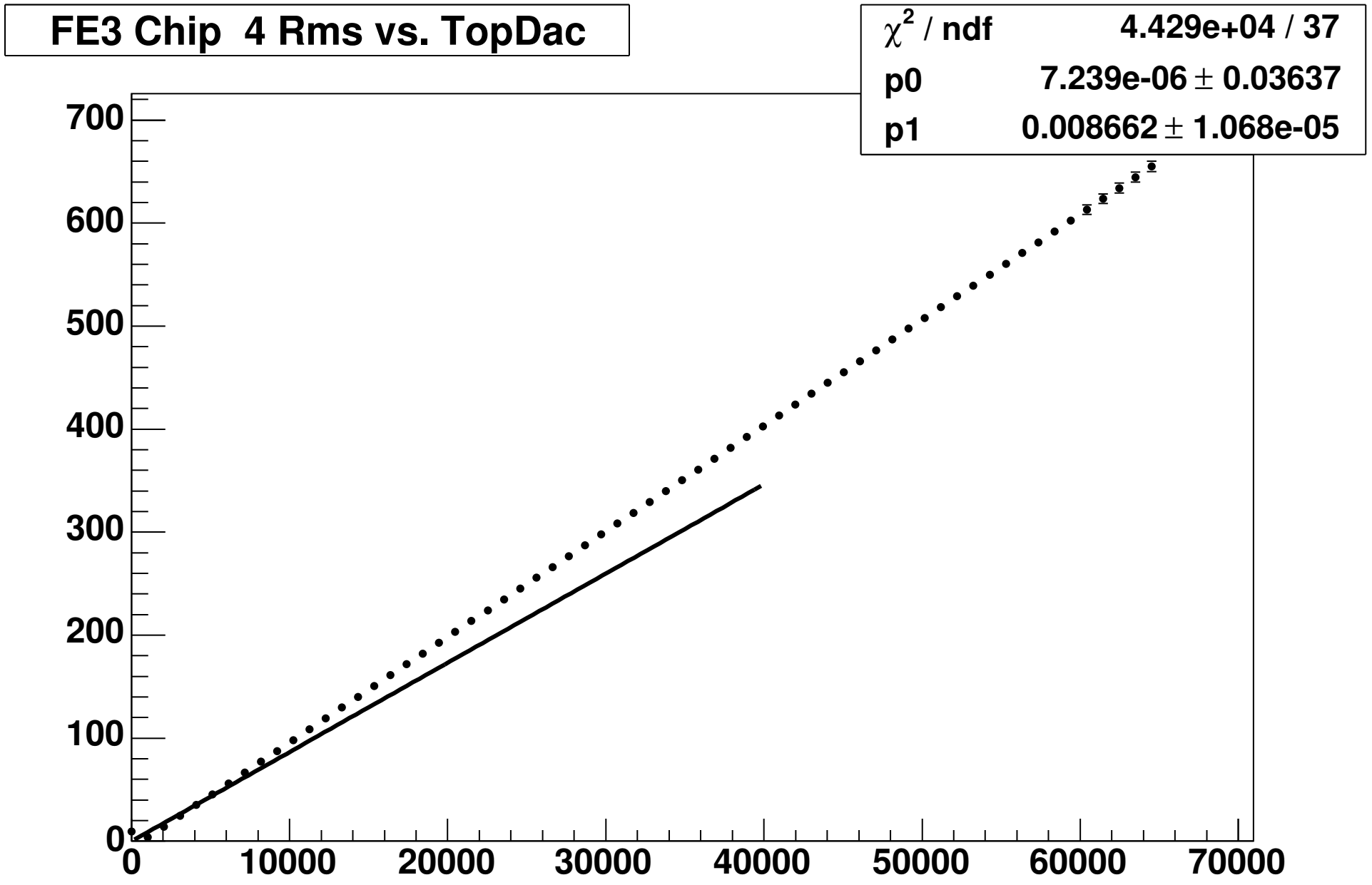

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 2.295e-06 / 37
p0 13.92 ± 0.2296
p1 -4.832e-09 ± 9.772e-06
14.6
14.4
14.2
14
13.8
13.6
13.4
13.2
0
10000
20000
30000
40000
50000
60000
70000

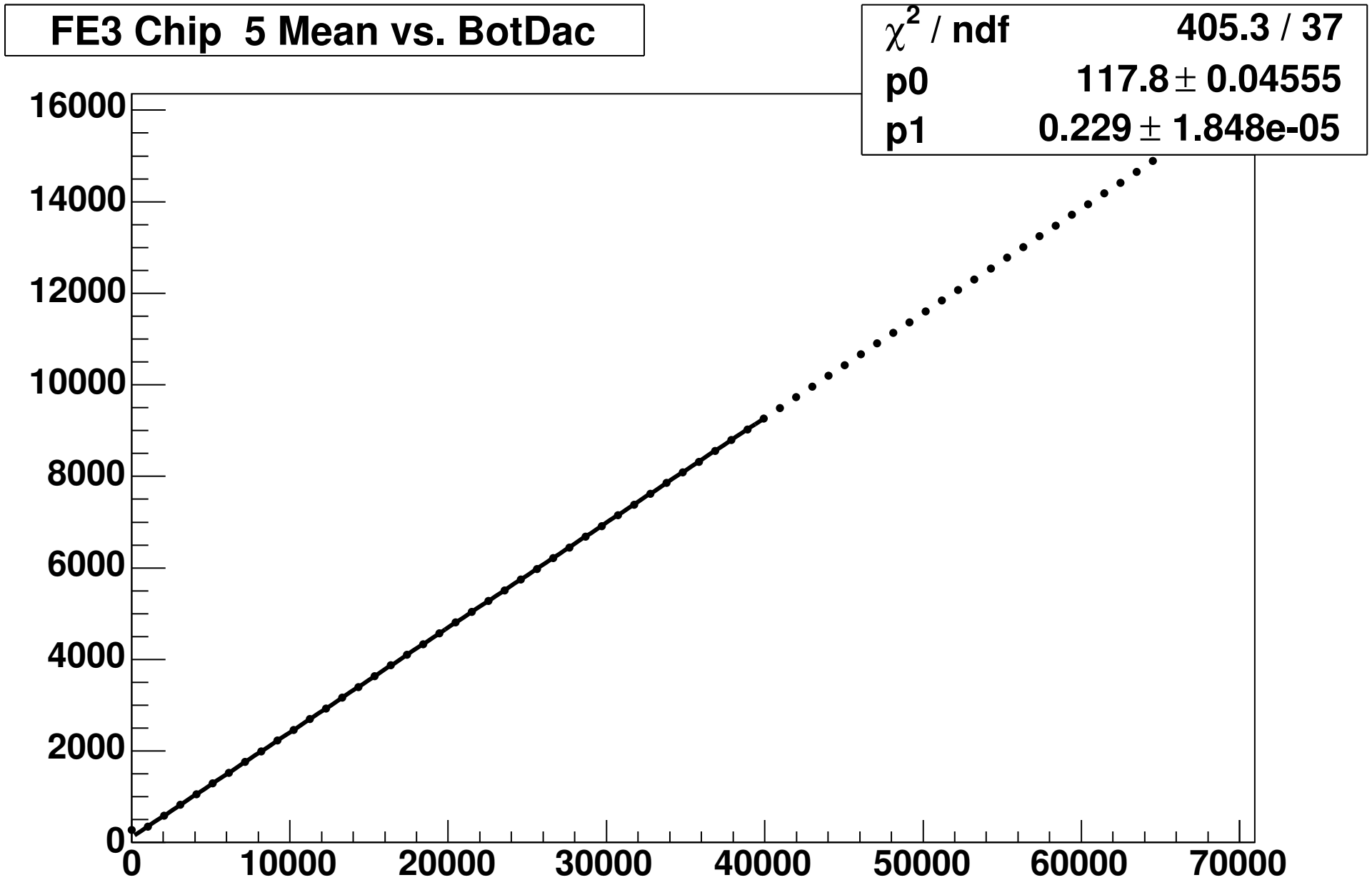

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 1.5e-07 / 37
p0 66.71 ± 1.001
p1 1.583e-06 ± 0.001926
67.2
67
66.8
66.6
66.4
66.2
0
10000
20000
30000
40000
50000
60000
70000

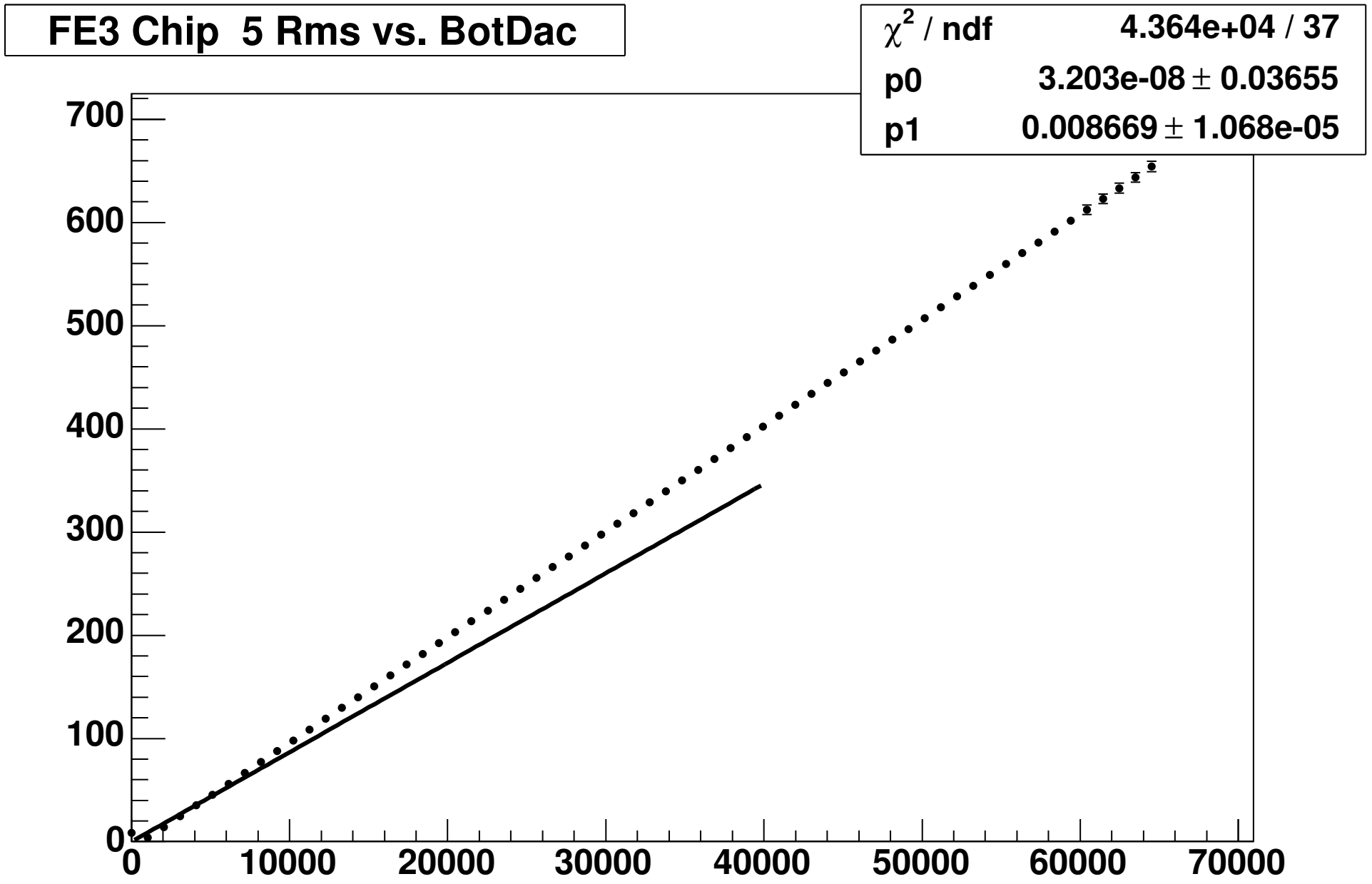

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 113.6 / 37
p0 117.1 ± 0.04573
p1 0.2292 ± 1.85e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 4.331e+04 / 37
p0 4.612e-08 ± 0.03676
p1 0.00868 ± 1.069e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 0.2304 / 37
p0 270.9 ± 0.04543
p1 0.0004584 ± 1.849e-05
310
305
300
295
290
285
280
275
270
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 4.429e+04 / 37
p0 7.239e-06 ± 0.03637
p1 0.008662 ± 1.068e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 405.3 / 37
p0 117.8 ± 0.04555
p1 0.229 ± 1.848e-05
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 4.364e+04 / 37
p0 3.203e-08 ± 0.03655
p1 0.008669 ± 1.068e-05
700
600
500
400
300
200
100
0
0
10000
20000
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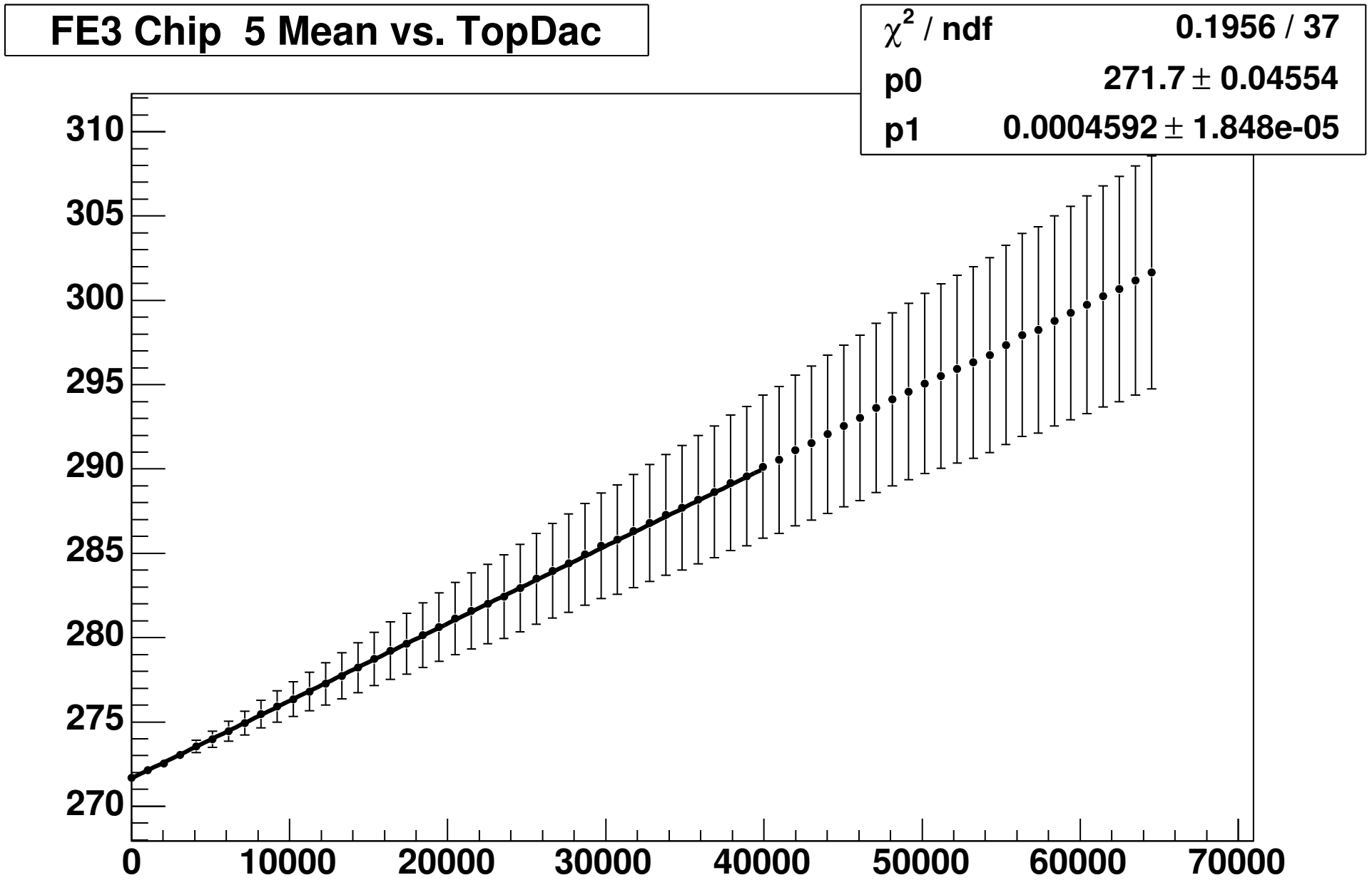
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 0.1956 / 37
p0 271.7 ± 0.04554
p1 0.0004592 ± 1.848e-05
310
305
300
295
290
285
280
275
270
0
10000
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30000
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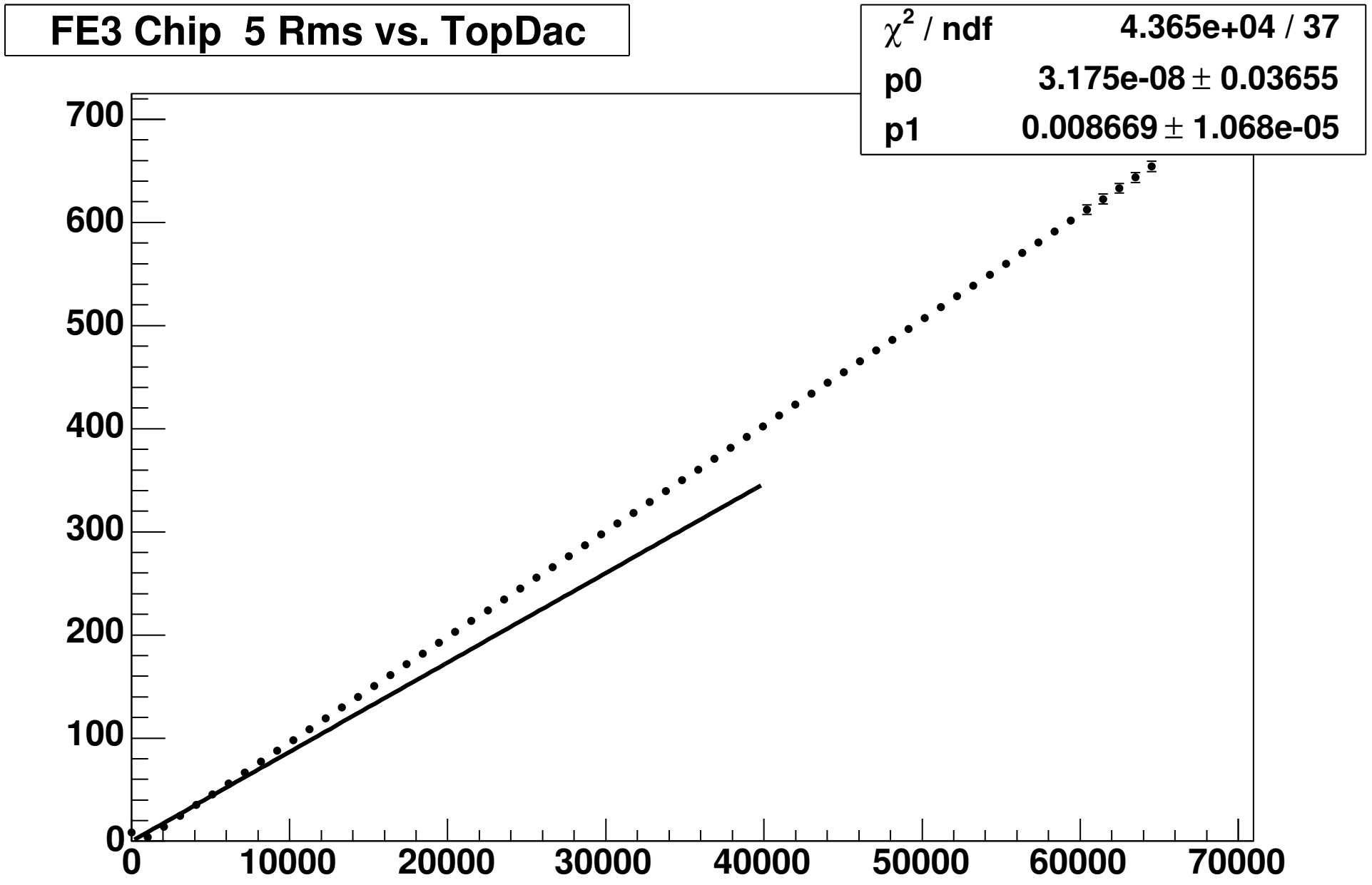
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 4.365e+04 / 37
p0 3.175e-08 ± 0.03655
p1 0.008669 ± 1.068e-05
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400
300
200
100
0
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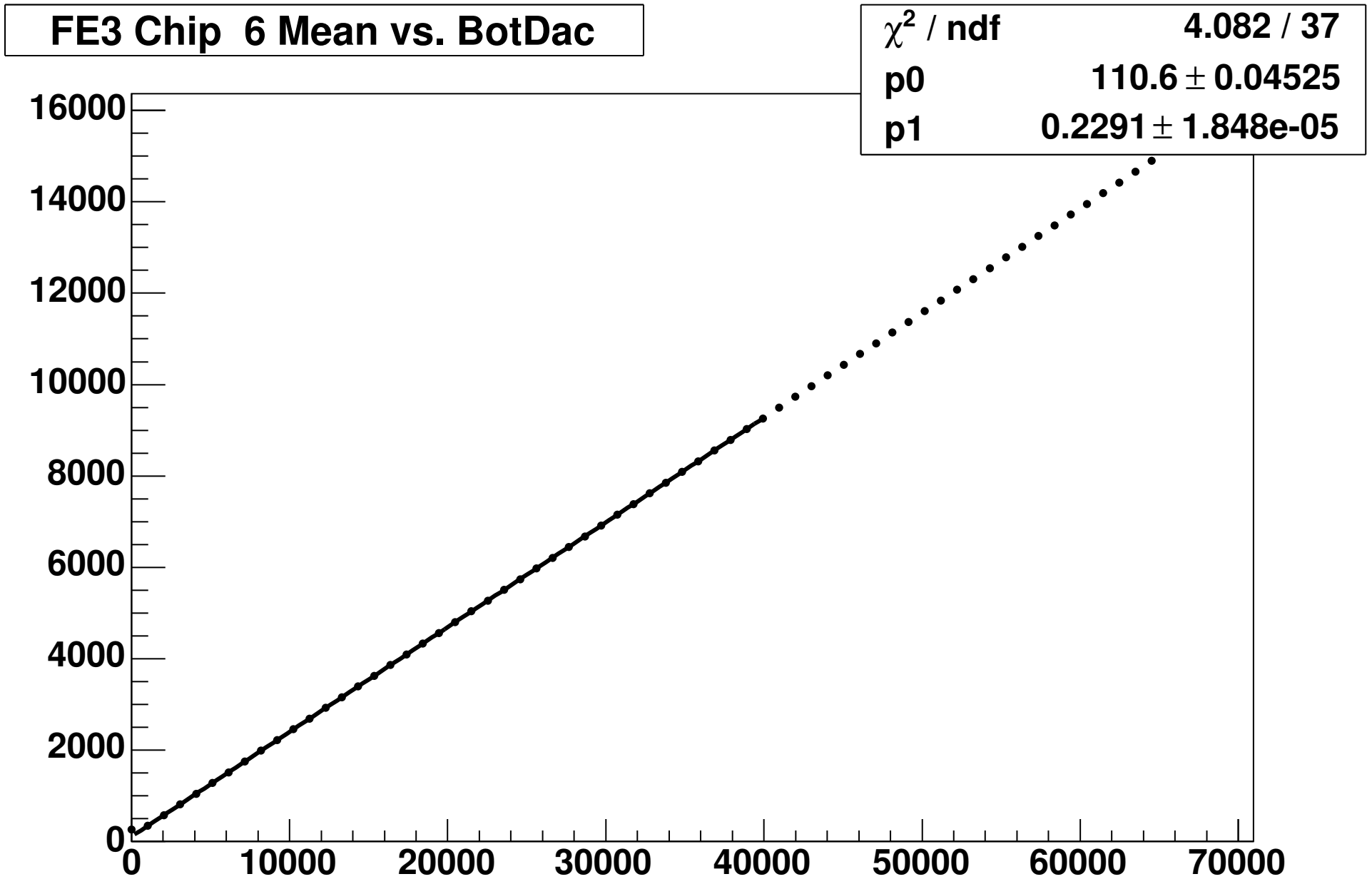
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 4.082 / 37
p0 110.6 ± 0.04525
p1 0.2291 ± 1.848e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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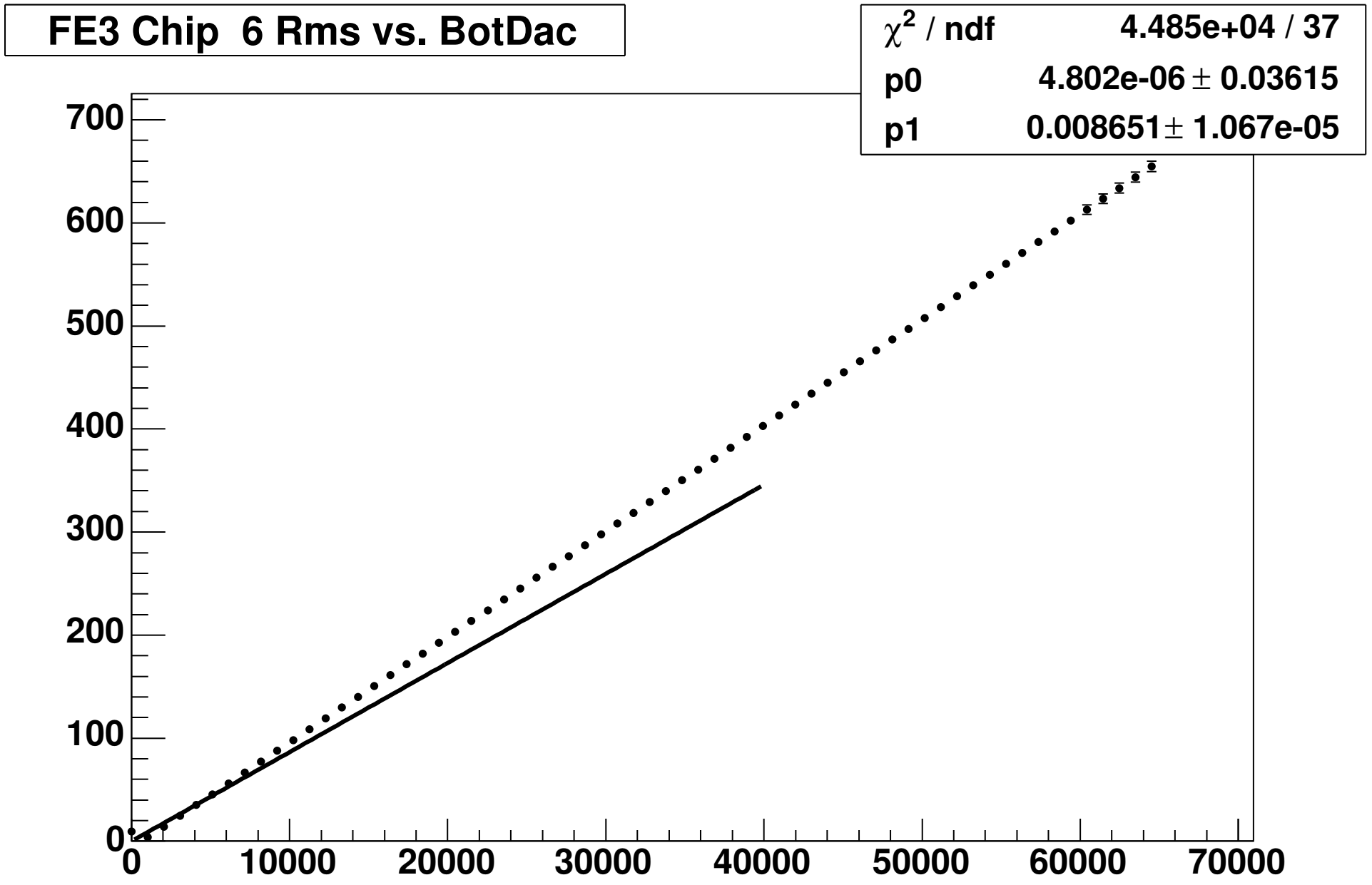
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 4.485e+04 / 37
p0 4.802e-06 ± 0.03615
p1 0.008651 ± 1.067e-05
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400
300
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10000
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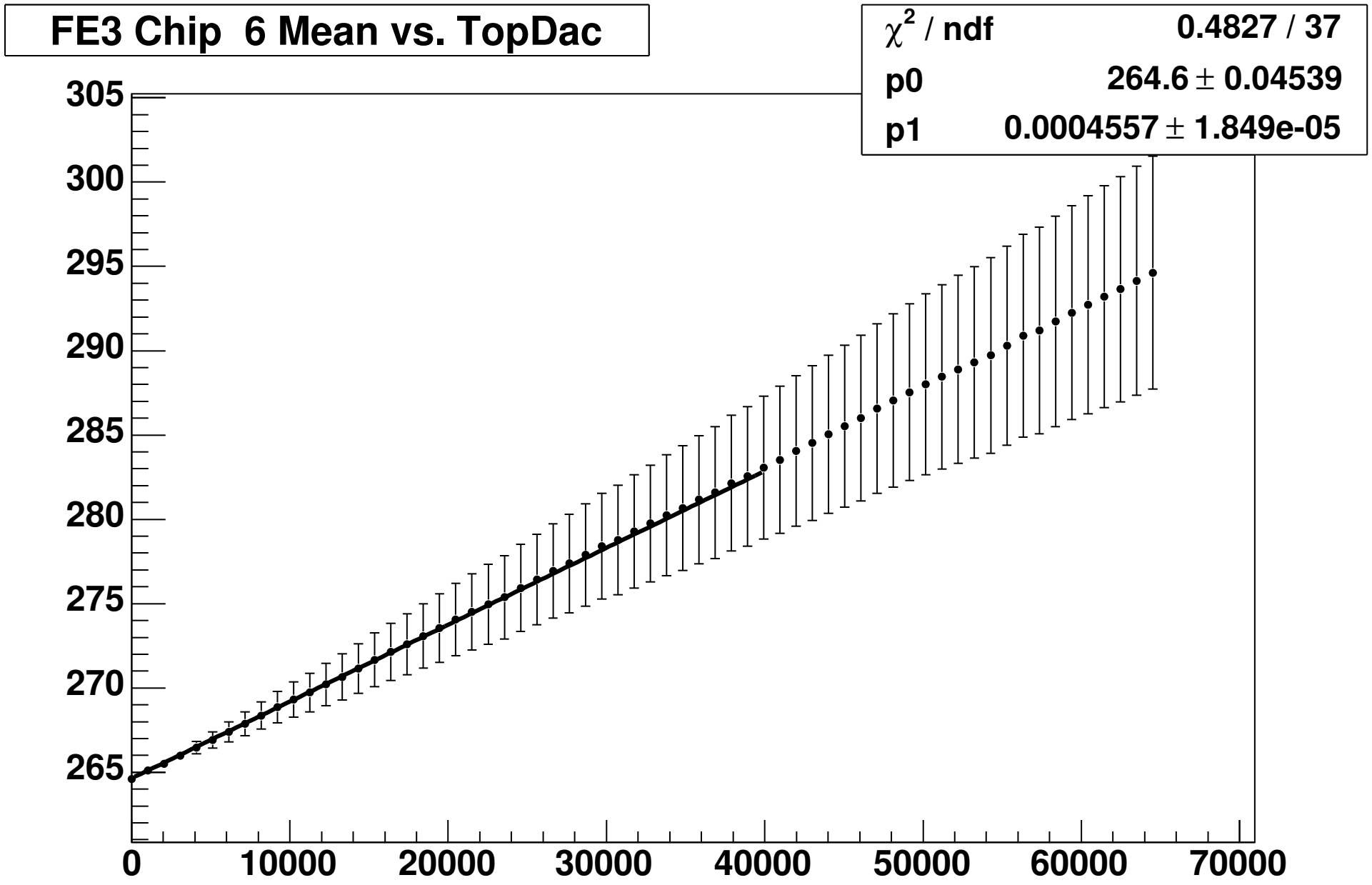
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 0.4827 / 37
p0 264.6 ± 0.04539
p1 0.0004557 ± 1.849e-05
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300
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290
285
280
275
270
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0
10000
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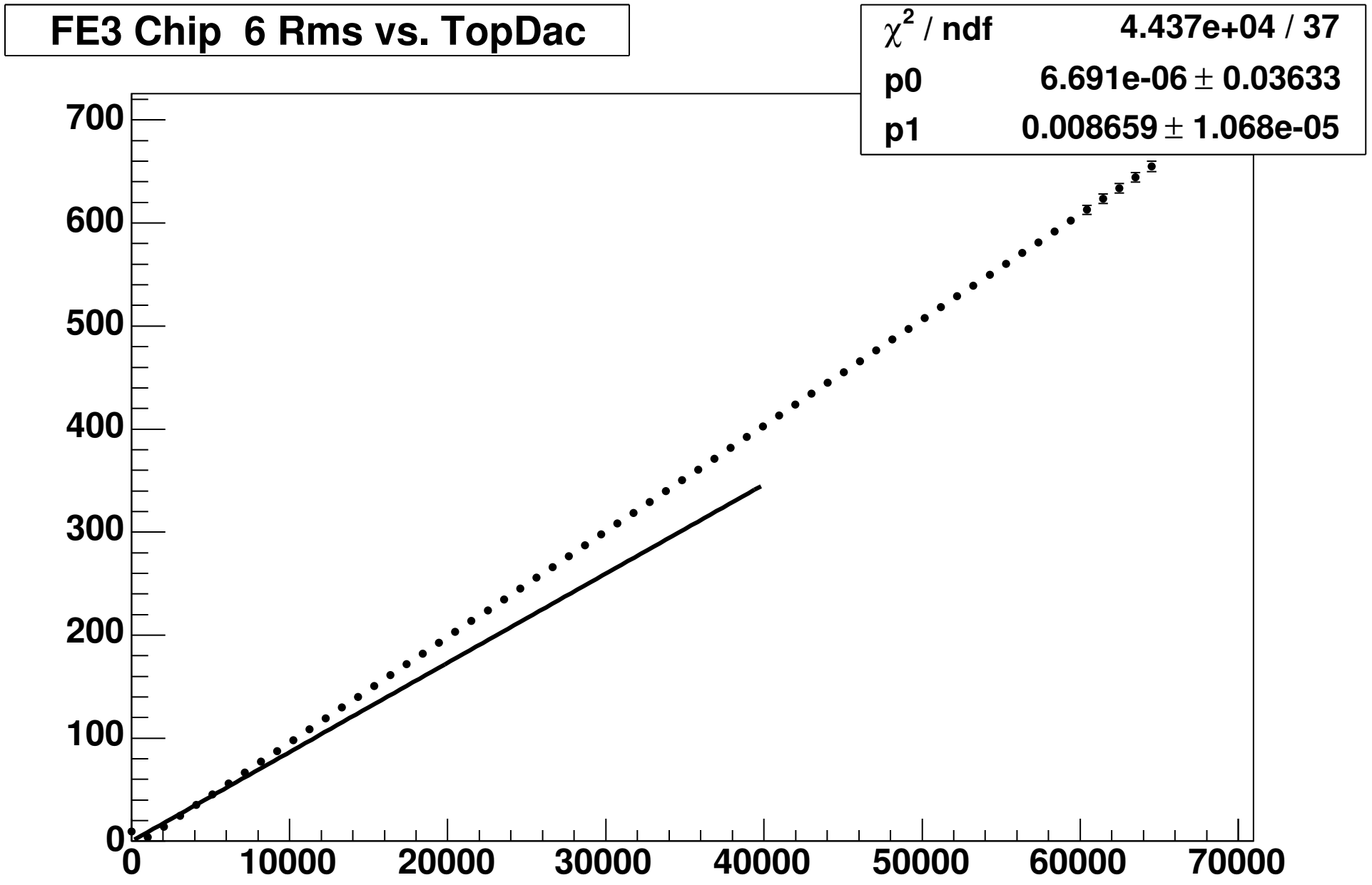
FE3 Chip 6 Rms vs. TopDac
χ² / ndf 4.437e+04 / 37
p0 6.691e-06 ± 0.03633
p1 0.008659 ± 1.068e-05
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400
300
200
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0
0
10000
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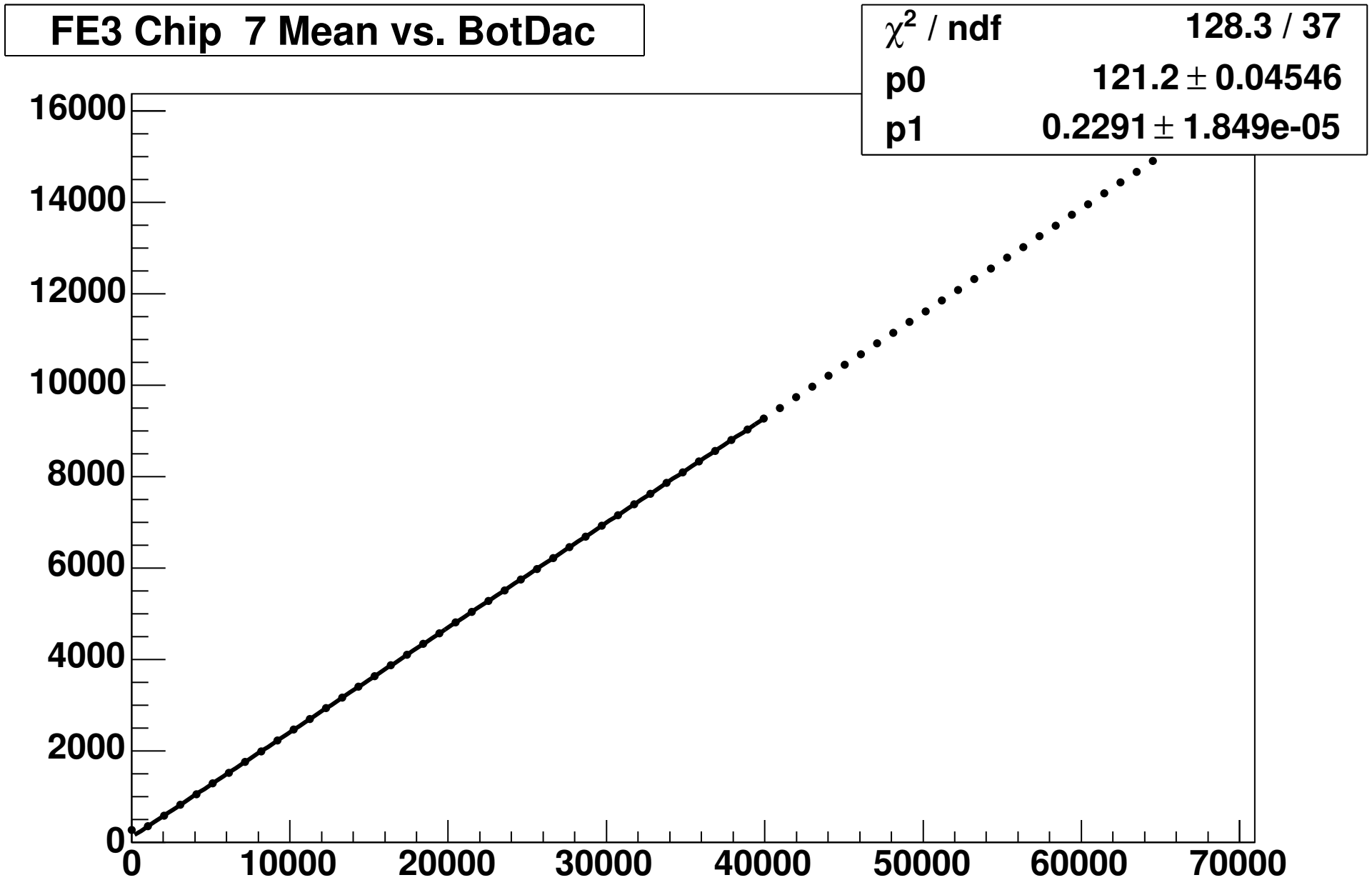
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 128.3 / 37
p0 121.2 ± 0.04546
p1 0.2291 ± 1.849e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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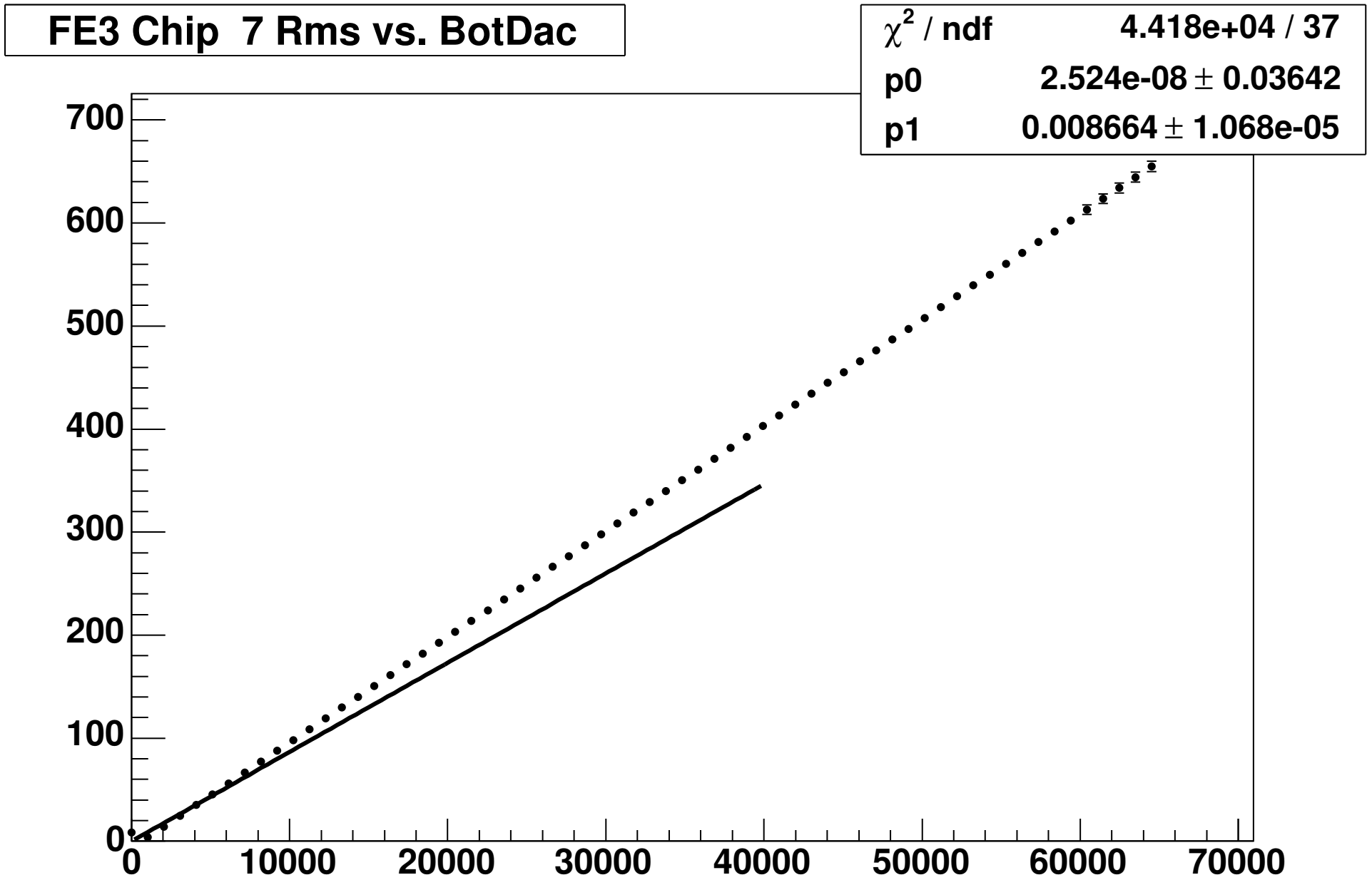
FE3 Chip 7 Rms vs. BotDac
χ² / ndf 4.418e+04 / 37
p0 2.524e-08 ± 0.03642
p1 0.008664 ± 1.068e-05
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500
400
300
200
100
0
0
10000
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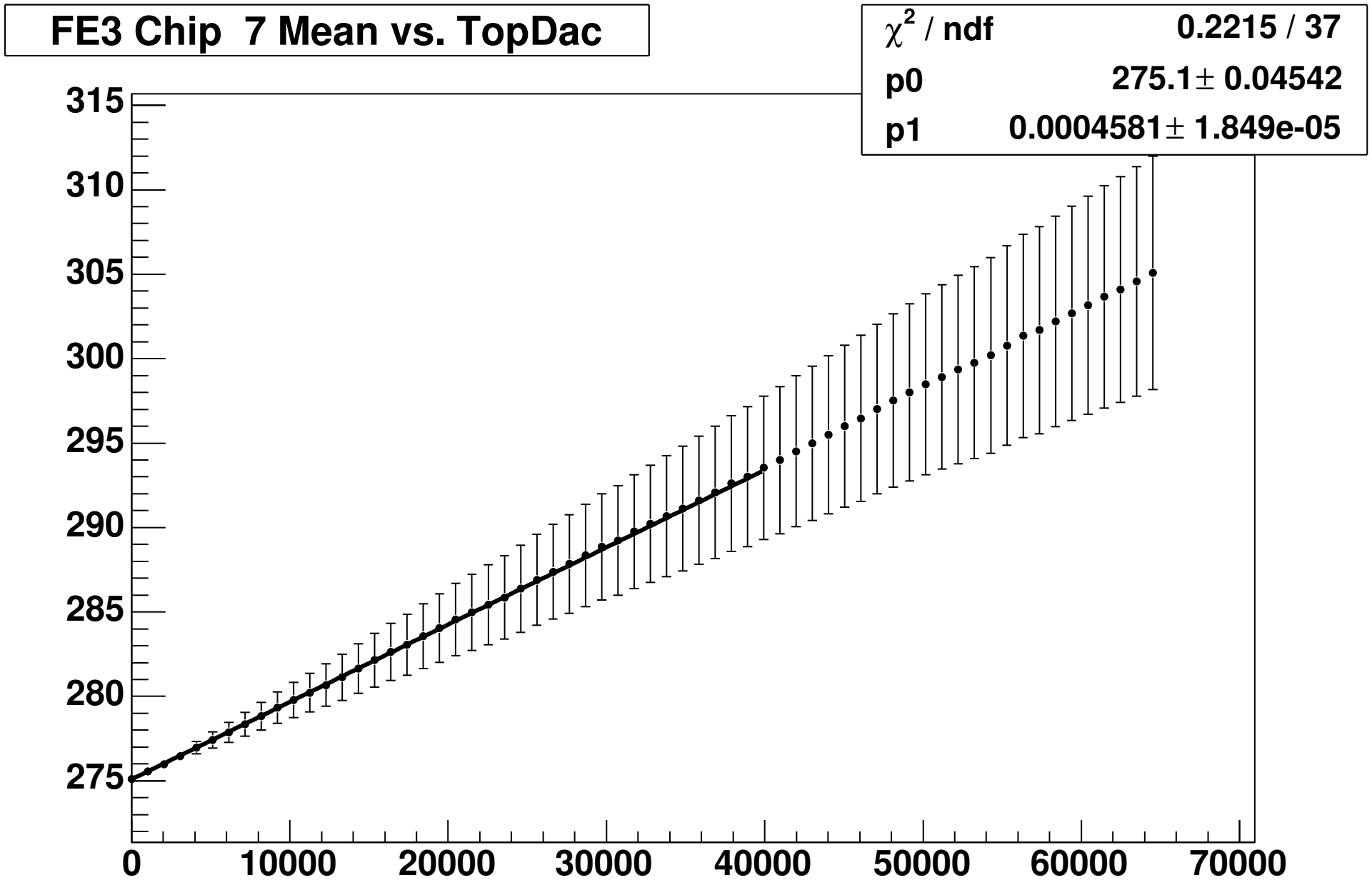
FE3 Chip 7 Mean vs. TopDac
χ² / ndf 0.2215 / 37
p0 275.1 ± 0.04542
p1 0.0004581 ± 1.849e-05
315
310
305
300
295
290
285
280
275
0
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20000
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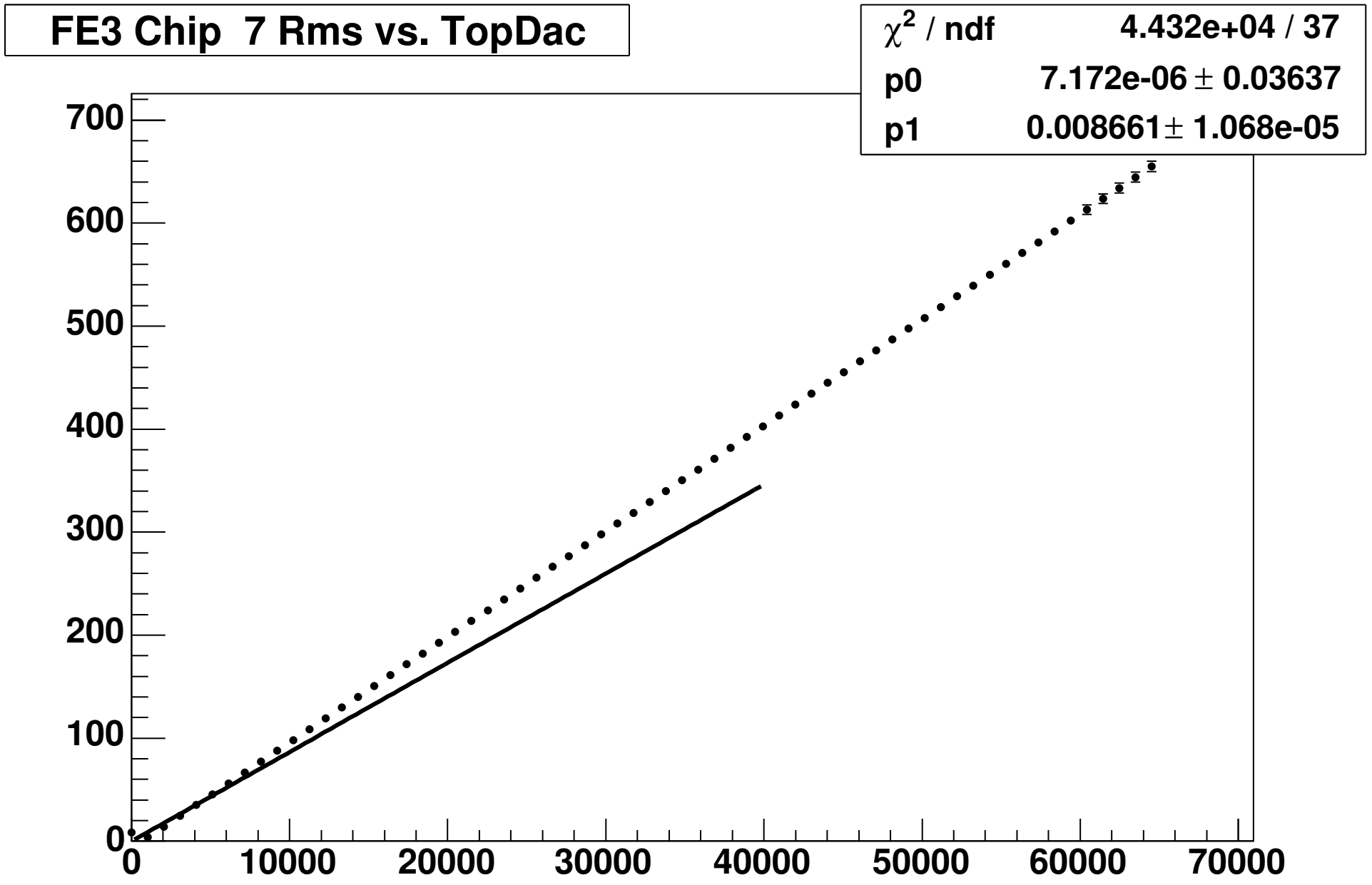
FE3 Chip 7 Rms vs. TopDac
χ² / ndf 4.432e+04 / 37
p0 7.172e-06 ± 0.03637
p1 0.008661 ± 1.068e-05
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600
500
400
300
200
100
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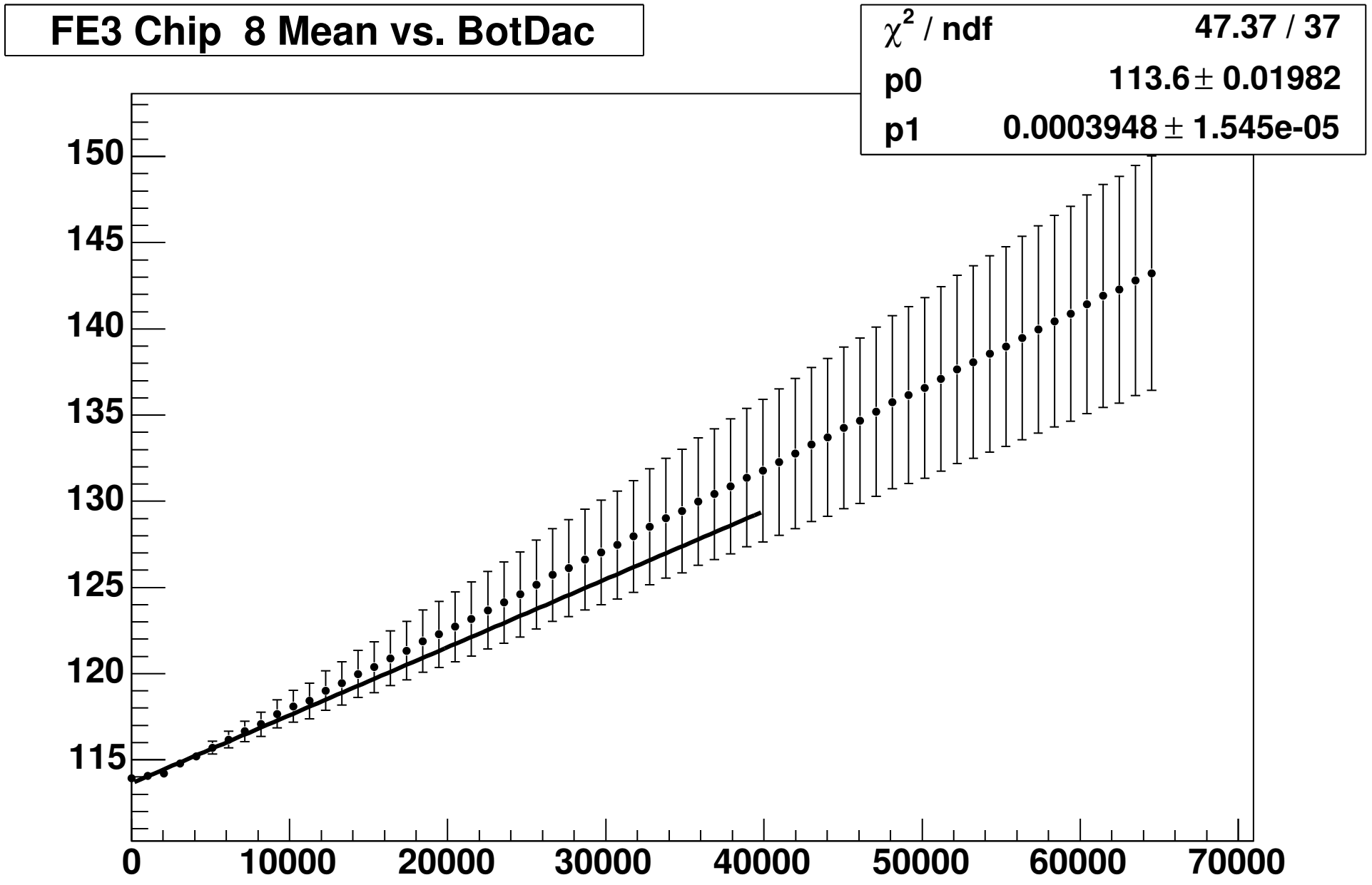
FE3 Chip 8 Mean vs. BotDac
χ² / ndf 47.37 / 37
p0 113.6 ± 0.01982
p1 0.0003948 ± 1.545e-05
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145
140
135
130
125
120
115
0
10000
20000
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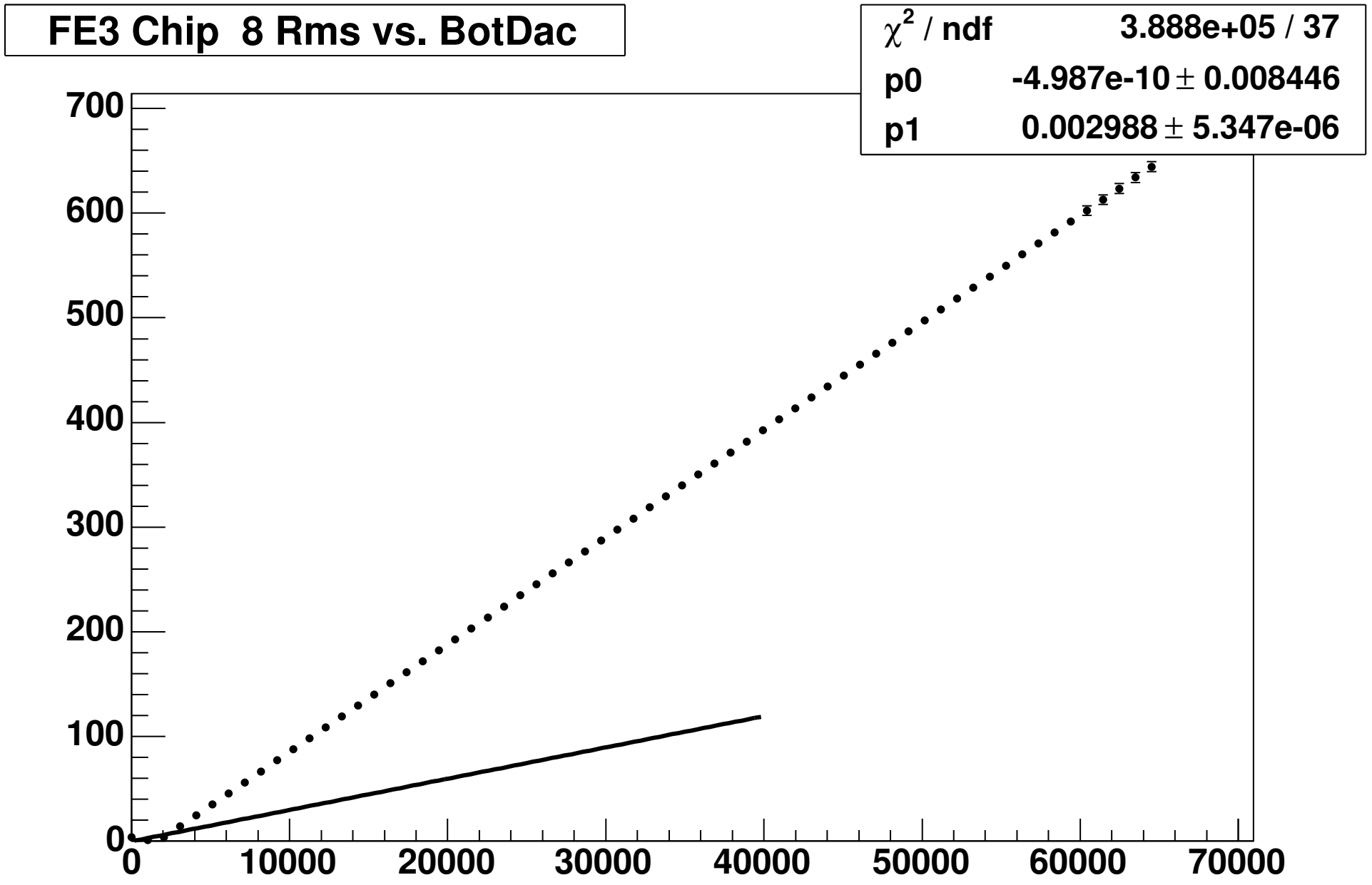
FE3 Chip 8 Rms vs. BotDac
χ² / ndf 3.888e+05 / 37
p0 -4.987e-10 ± 0.008446
p1 0.002988 ± 5.347e-06
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600
500
400
300
200
100
0
0
10000
20000
30000
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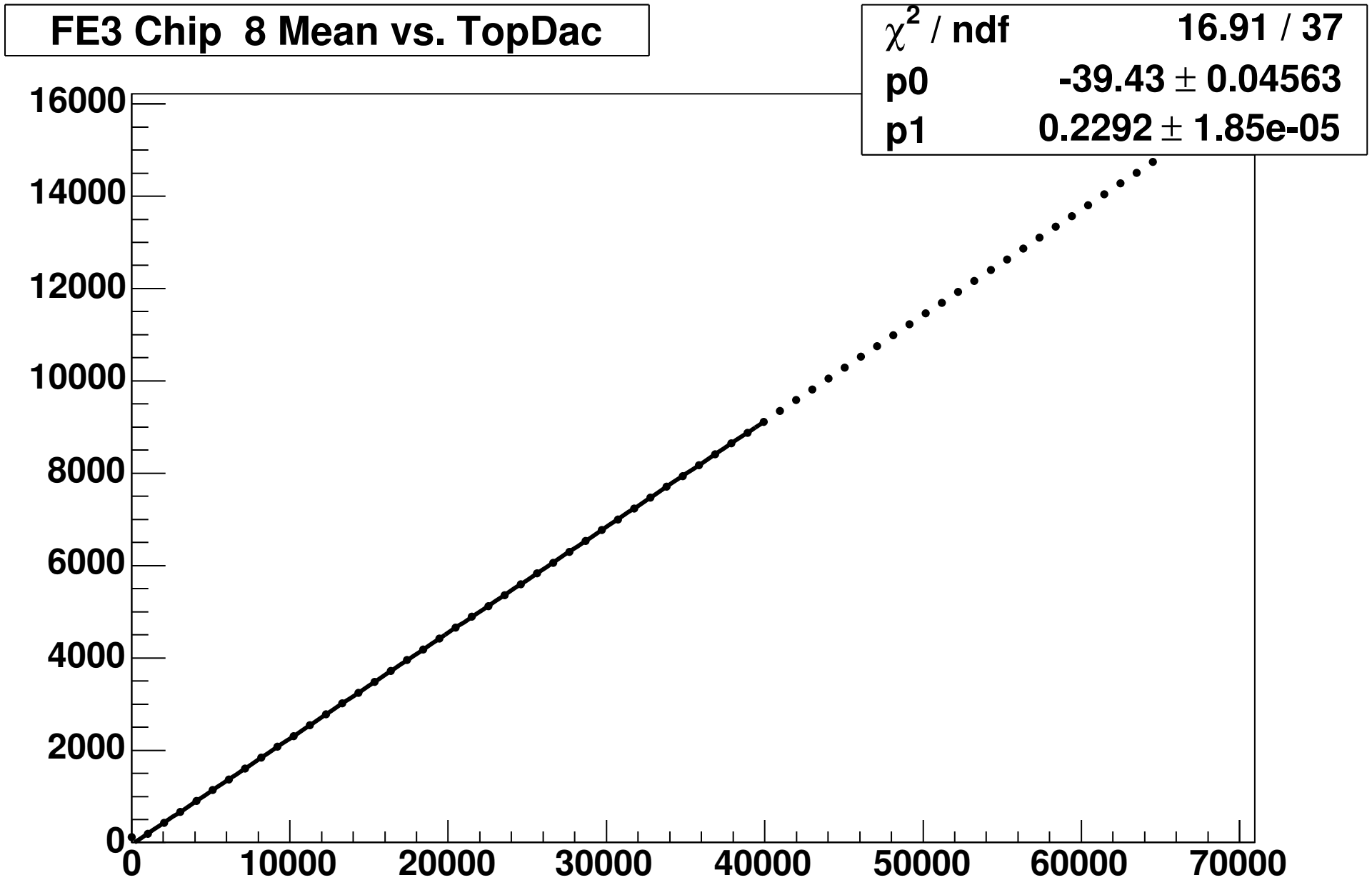
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 16.91 / 37
p0 -39.43 ± 0.04563
p1 0.2292 ± 1.85e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
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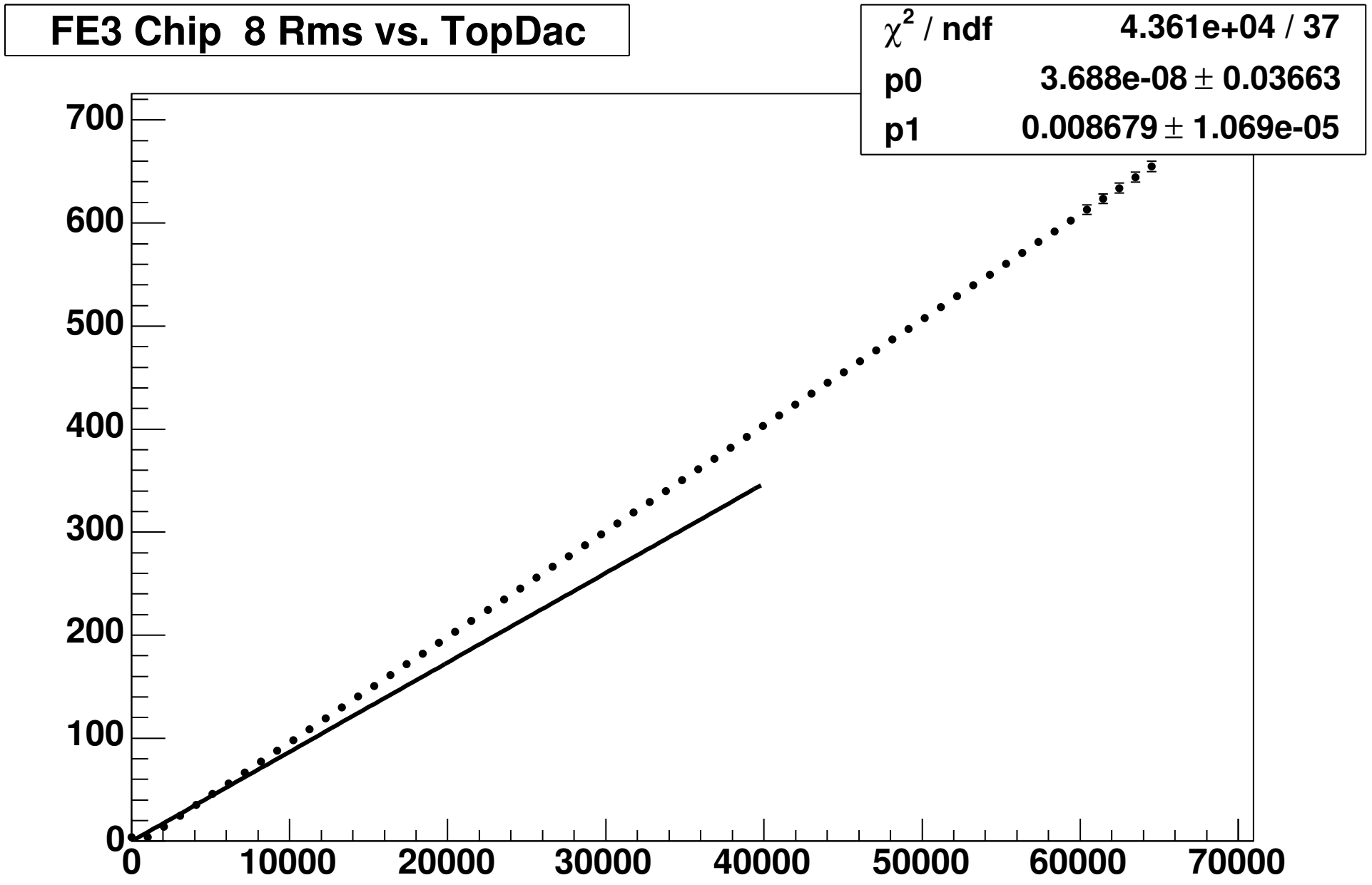
FE3 Chip 8 Rms vs. TopDac
χ² / ndf 4.361e+04 / 37
p0 3.688e-08 ± 0.03663
p1 0.008679 ± 1.069e-05
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600
500
400
300
200
100
0
0
10000
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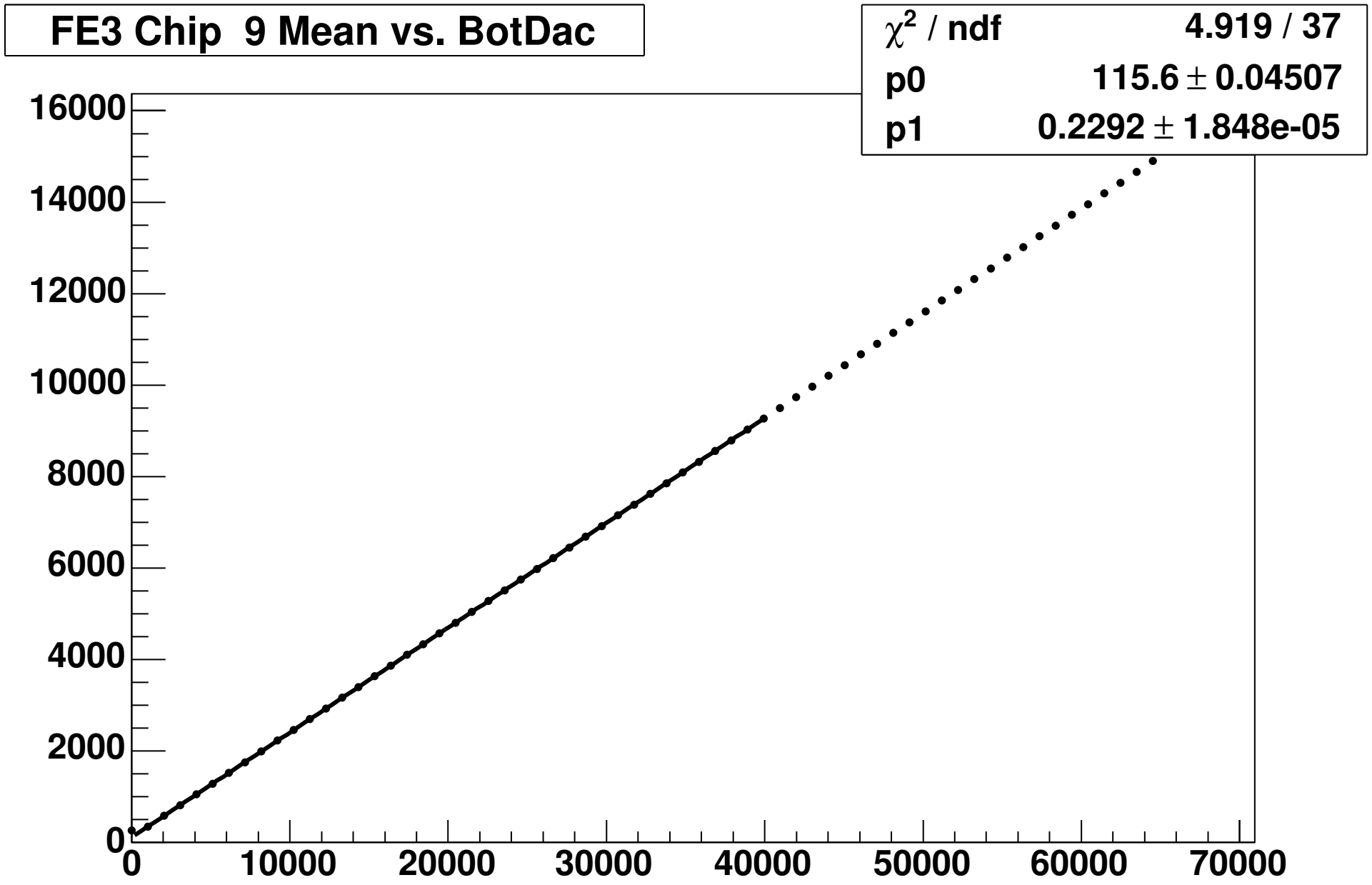
FE3 Chip 9 Mean vs. BotDac
χ² / ndf 4.919 / 37
p0 115.6 ± 0.04507
p1 0.2292 ± 1.848e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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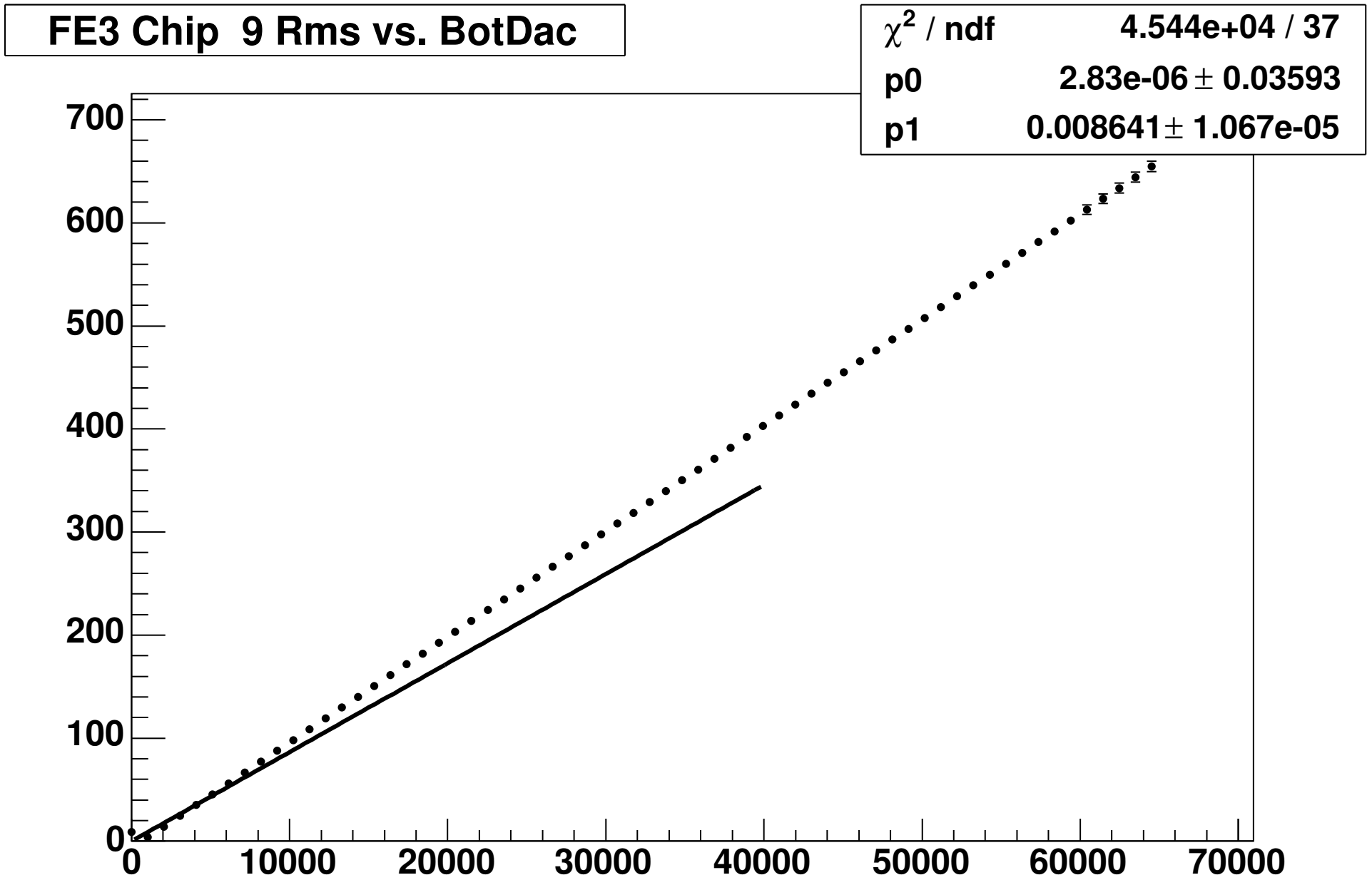
FE3 Chip 9 Rms vs. BotDac
χ² / ndf 4.544e+04 / 37
p0 2.83e-06 ± 0.03593
p1 0.008641 ± 1.067e-05
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600
500
400
300
200
100
0
0
10000
20000
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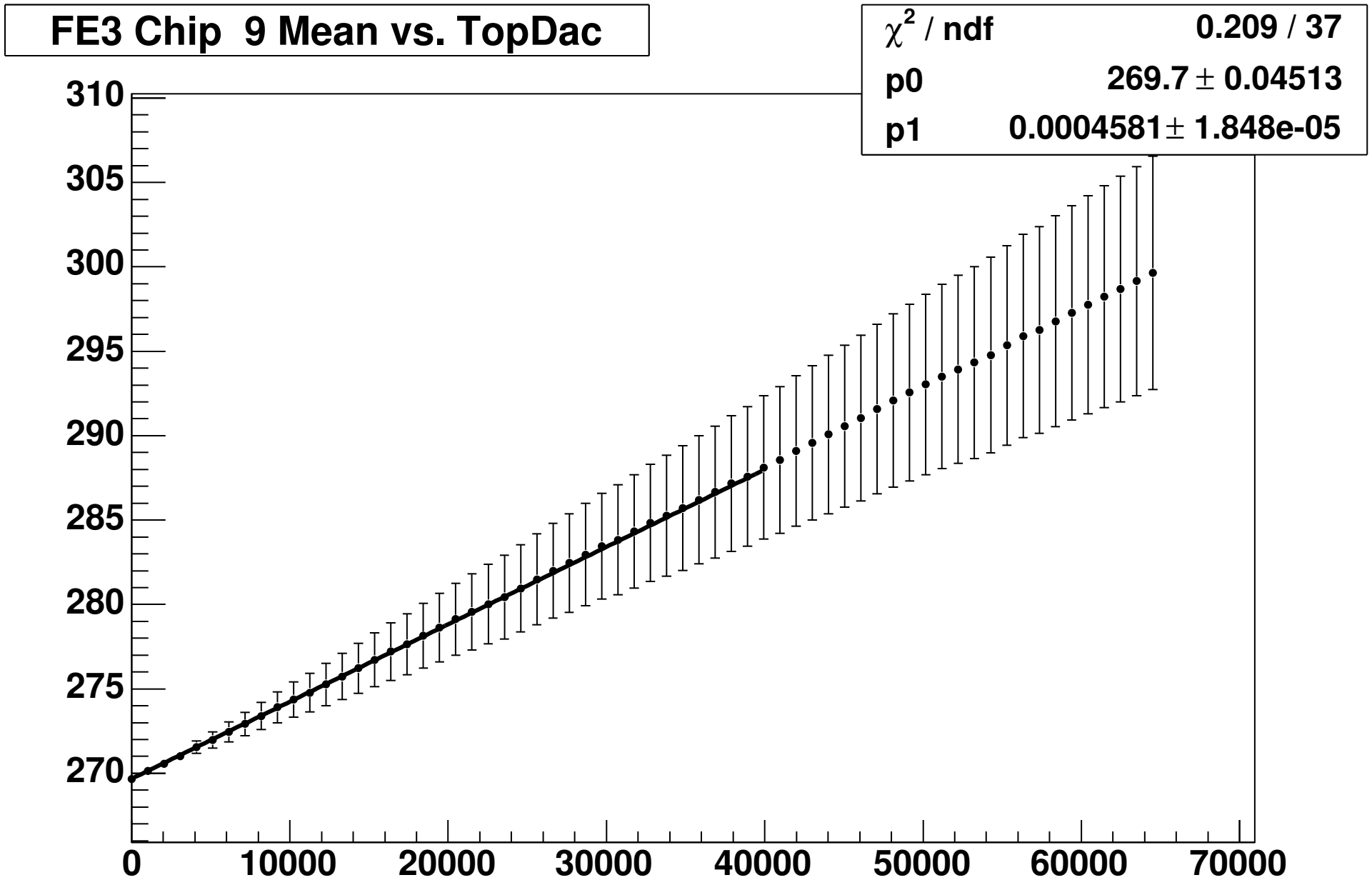
FE3 Chip 9 Mean vs. TopDac
χ² / ndf 0.209 / 37
p0 269.7 ± 0.04513
p1 0.0004581 ± 1.848e-05
310
305
300
295
290
285
280
275
270
0
10000
20000
30000
40000
50000
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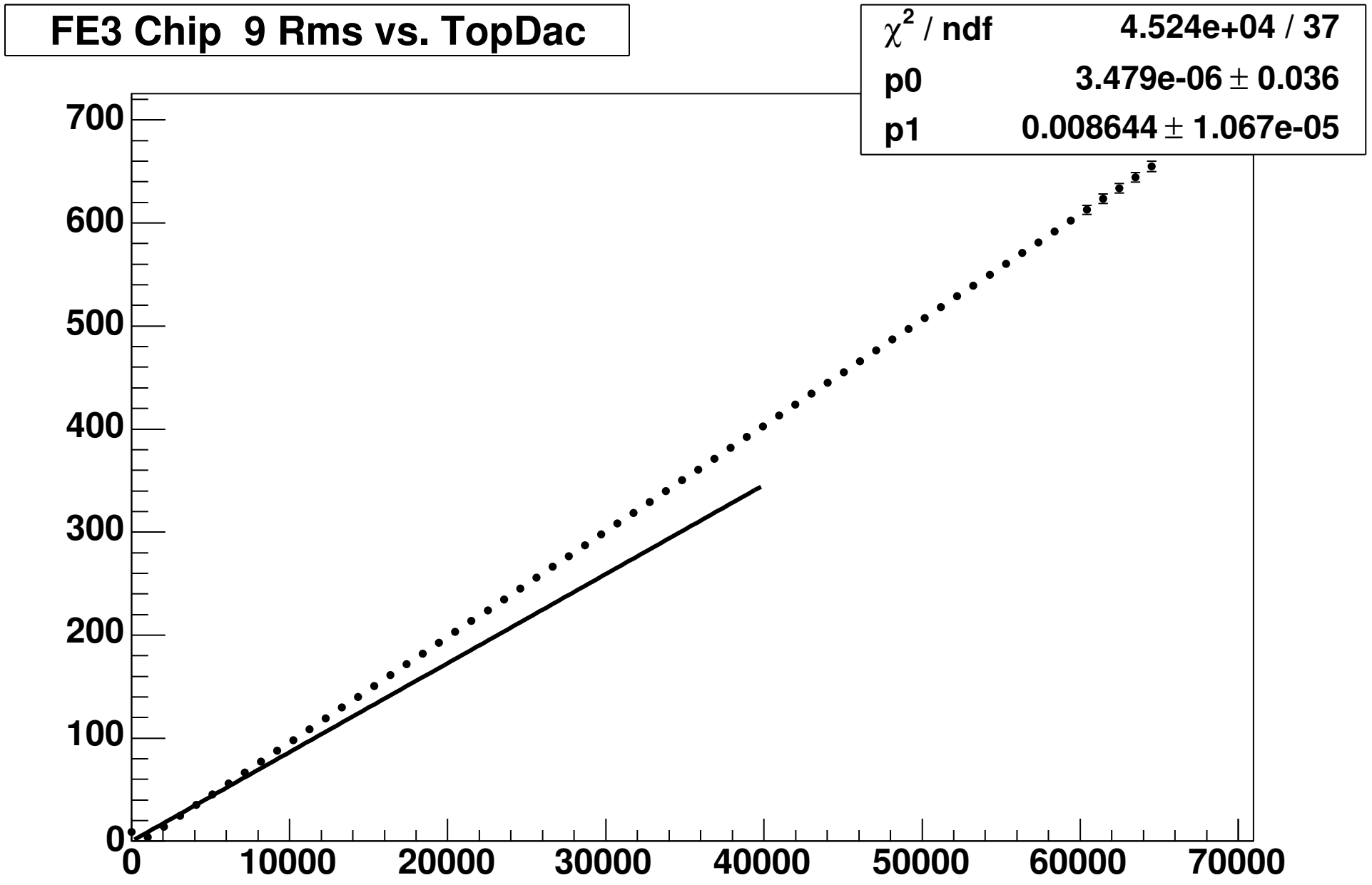
FE3 Chip 9 Rms vs. TopDac
χ² / ndf 4.524e+04 / 37
p0 3.479e-06 ± 0.036
p1 0.008644 ± 1.067e-05
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600
500
400
300
200
100
0
0
10000
20000
30000
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50000
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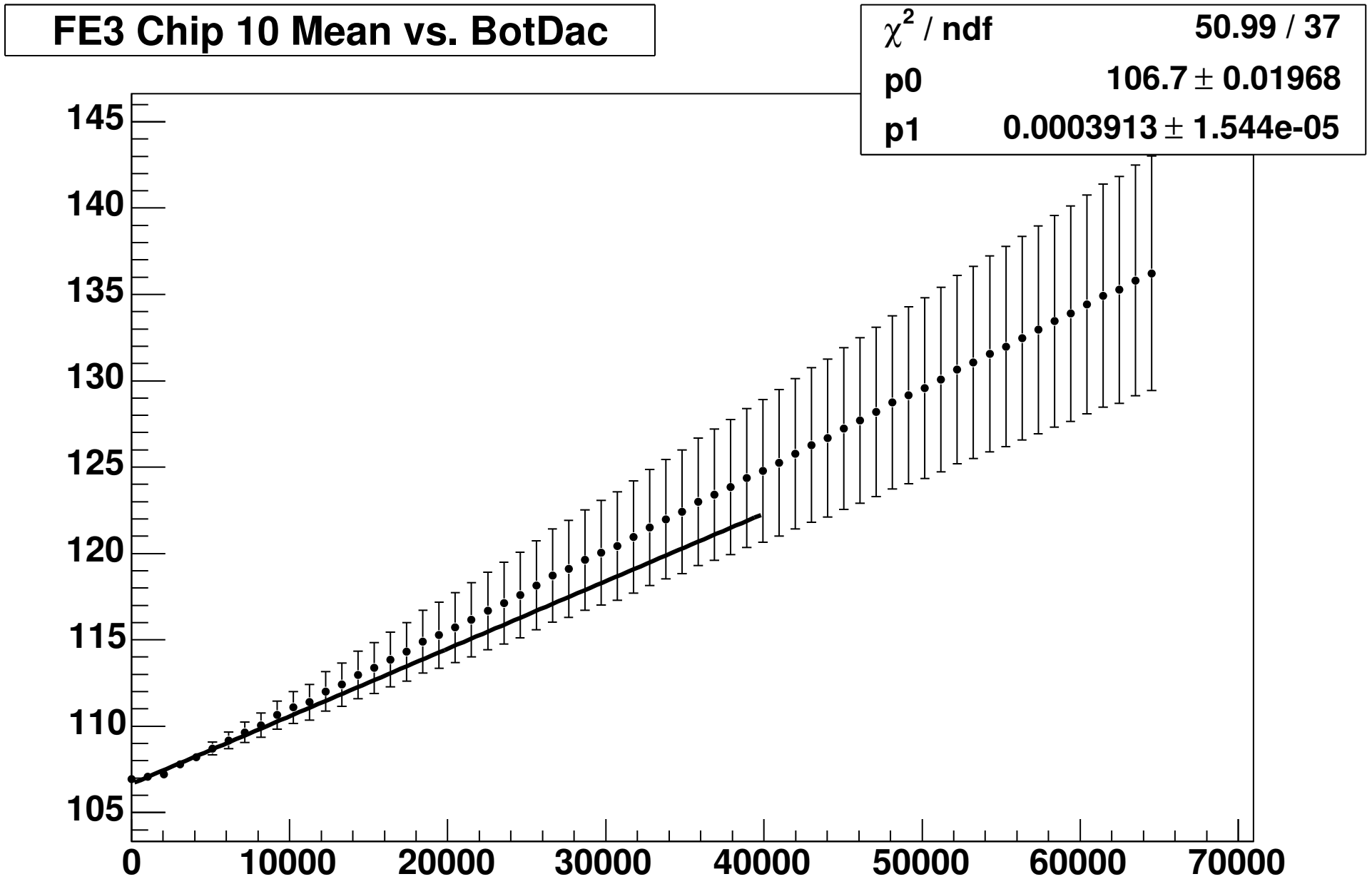
FE3 Chip 10 Mean vs. BotDac
χ² / ndf 50.99 / 37
p0 106.7 ± 0.01968
p1 0.0003913 ± 1.544e-05
145
140
135
130
125
120
115
110
105
0
10000
20000
30000
40000
50000
60000
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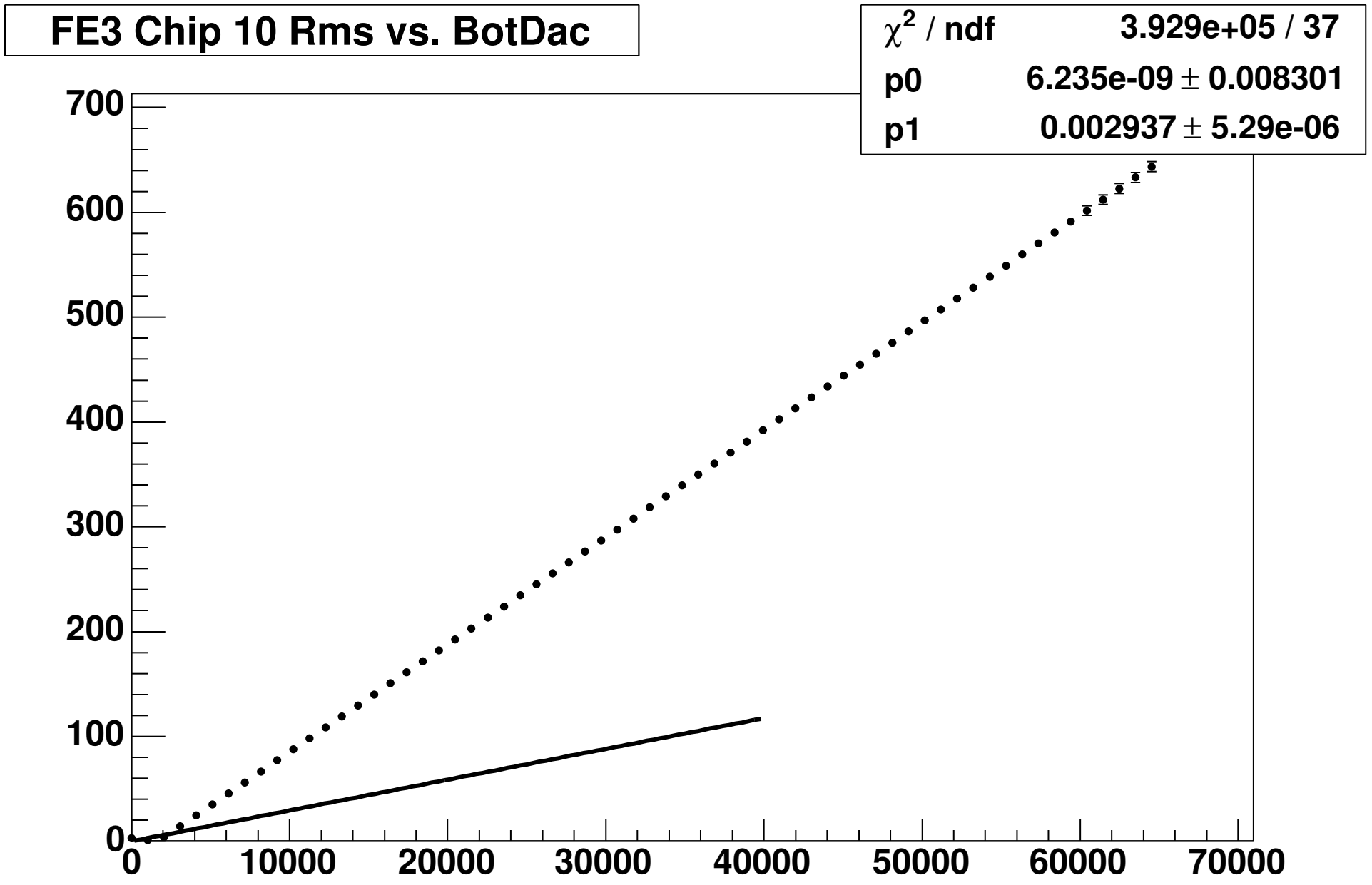
FE3 Chip 10 Rms vs. BotDac
χ² / ndf 3.929e+05 / 37
p0 6.235e-09 ± 0.008301
p1 0.002937 ± 5.29e-06
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600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
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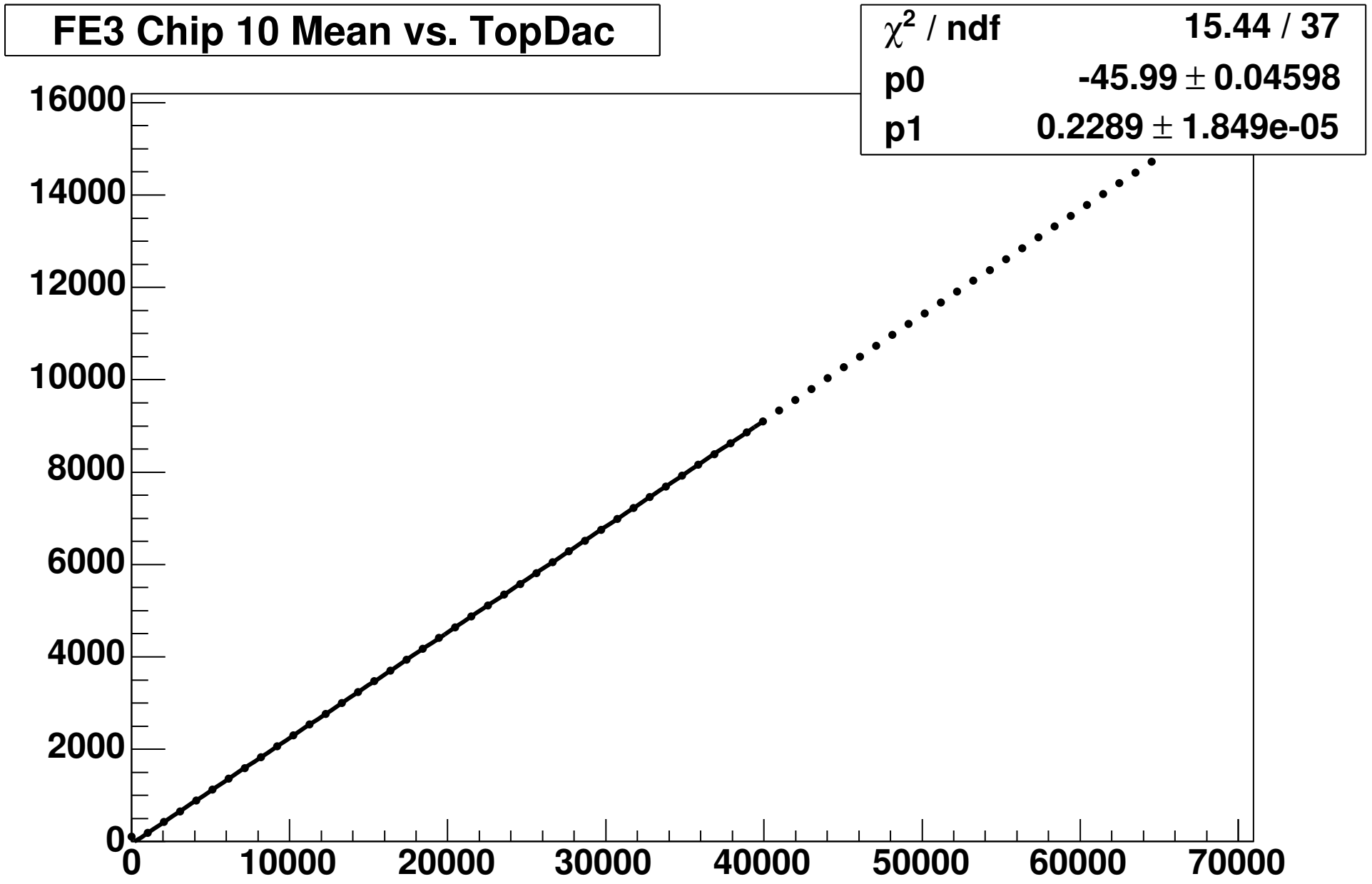
FE3 Chip 10 Mean vs. TopDac
χ² / ndf 15.44 / 37
p0 -45.99 ± 0.04598
p1 0.2289 ± 1.849e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
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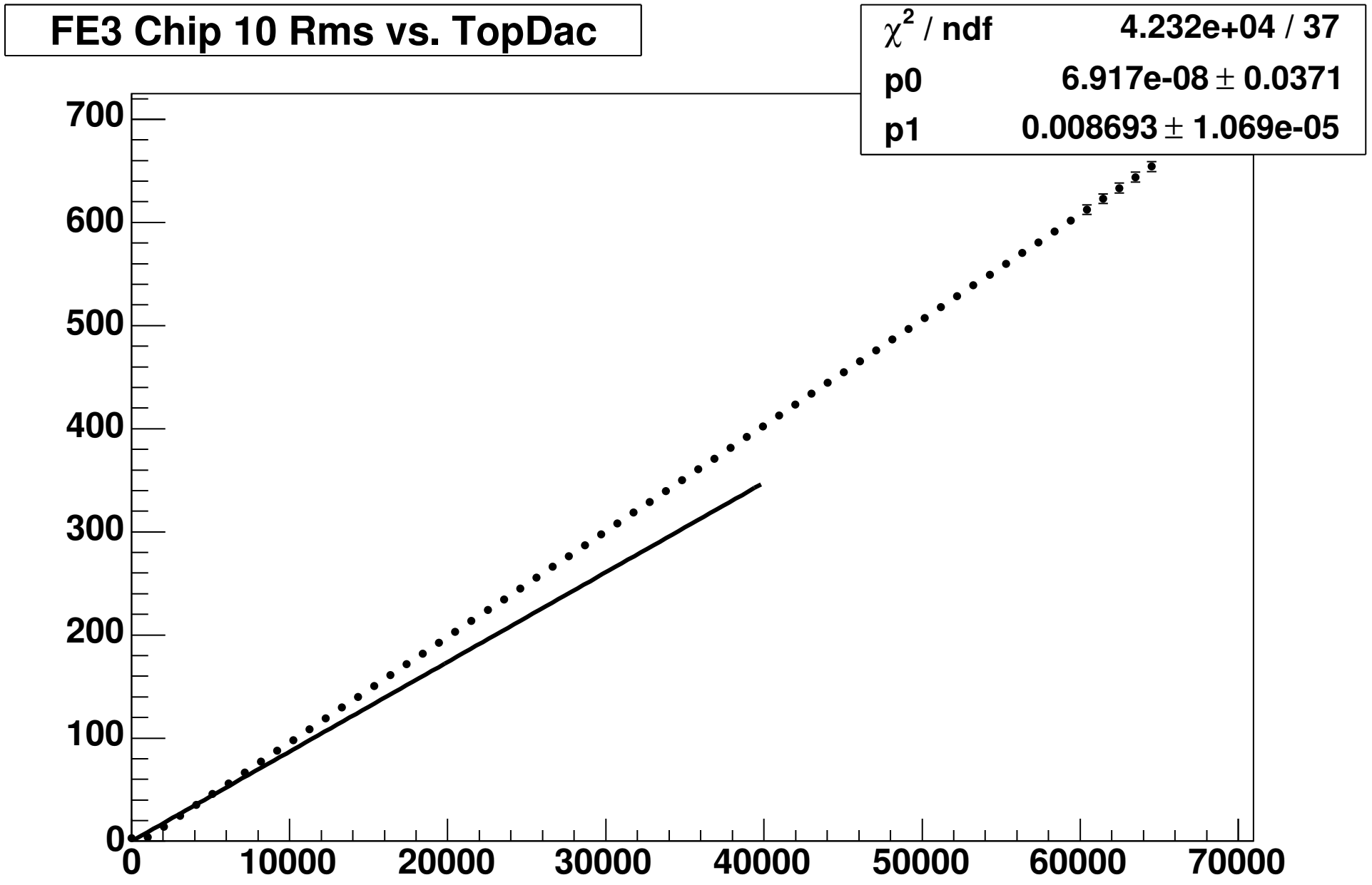
FE3 Chip 10 Rms vs. TopDac
χ² / ndf 4.232e+04 / 37
p0 6.917e-08 ± 0.0371
p1 0.008693 ± 1.069e-05
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600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
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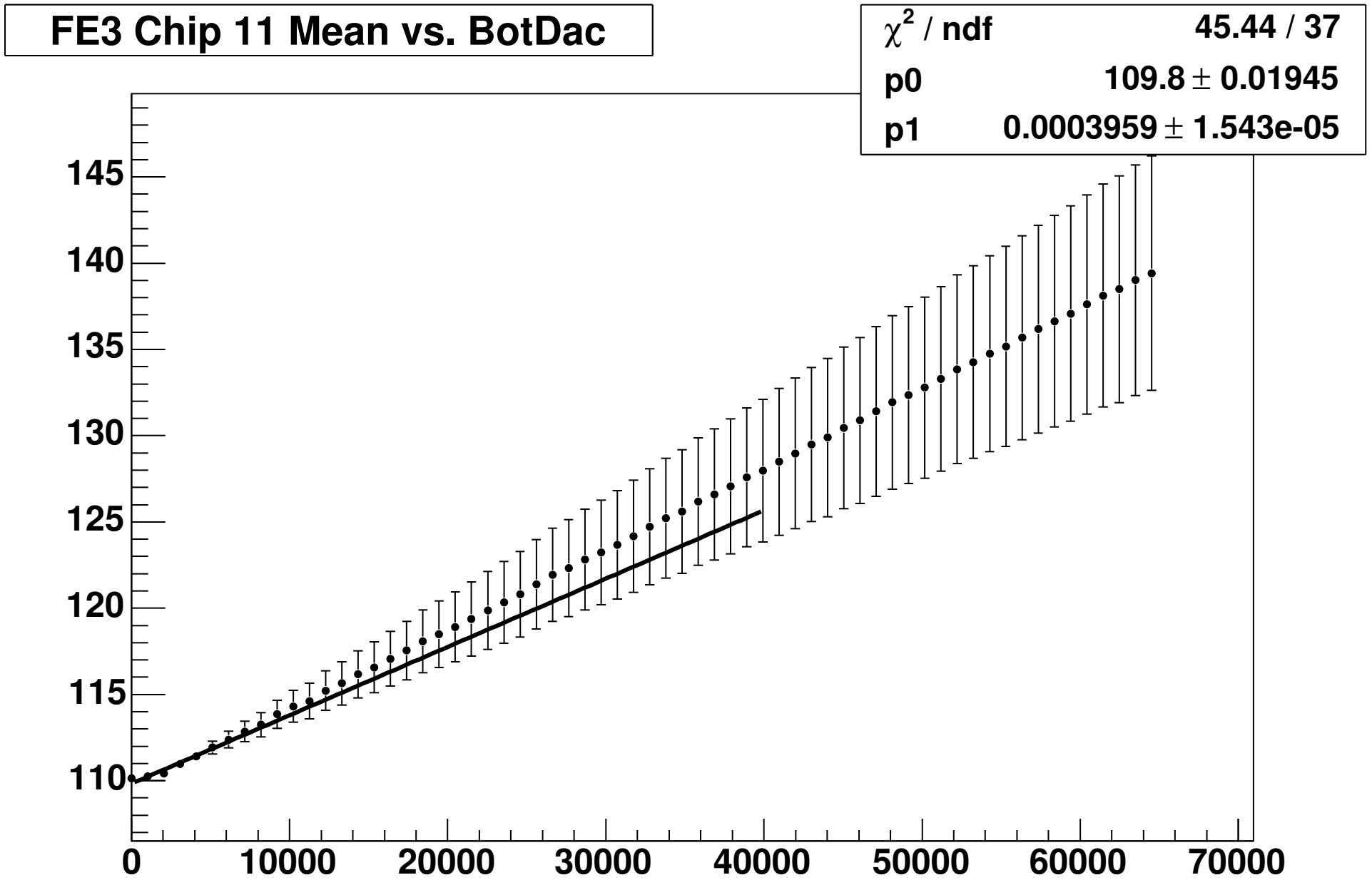
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 45.44 / 37
p0 109.8 ± 0.01945
p1 0.0003959 ± 1.543e-05
145
140
135
130
125
120
115
110
0
10000
20000
30000
40000
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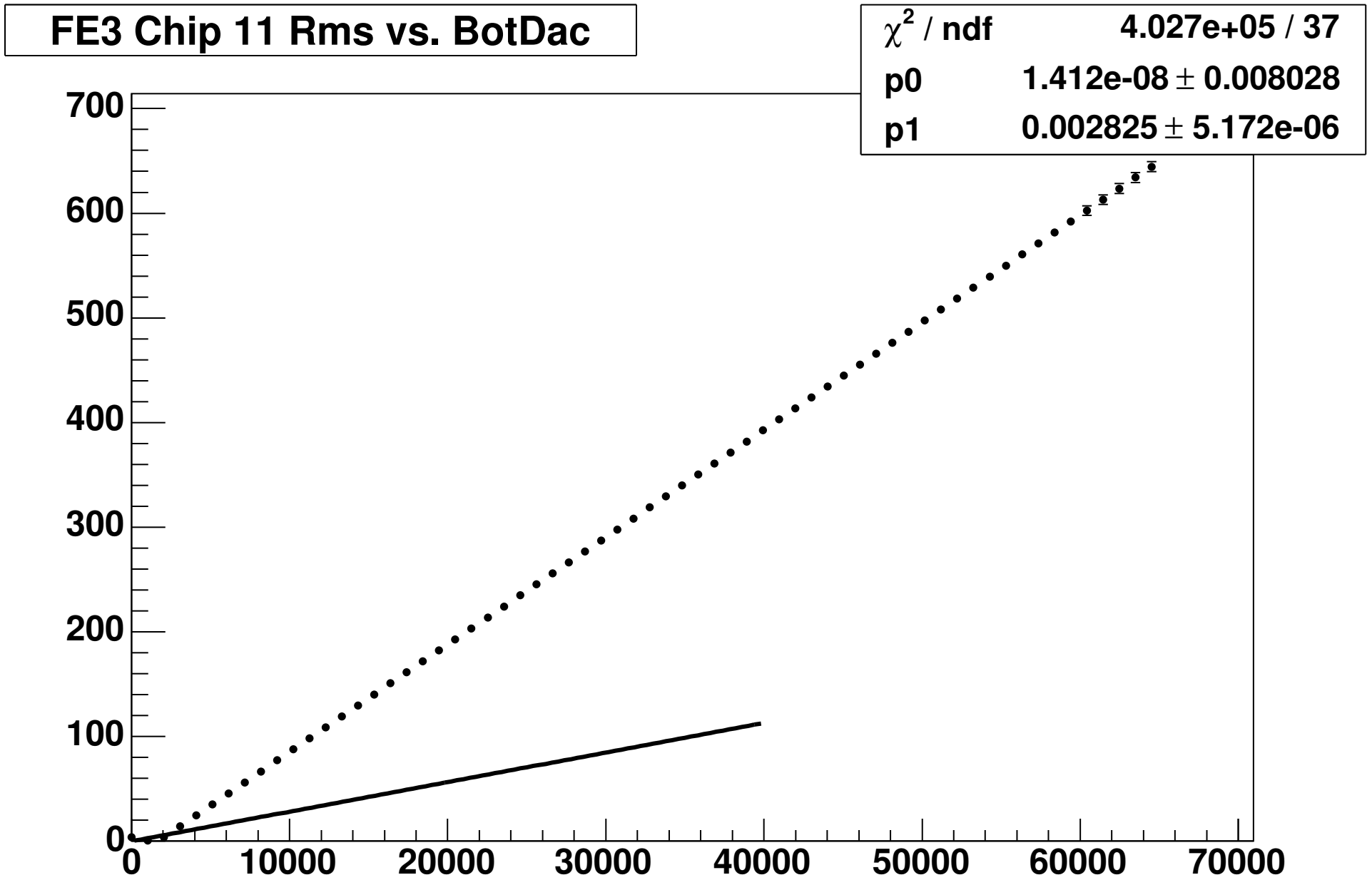
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 4.027e+05 / 37
p0 1.412e-08 ± 0.008028
p1 0.002825 ± 5.172e-06
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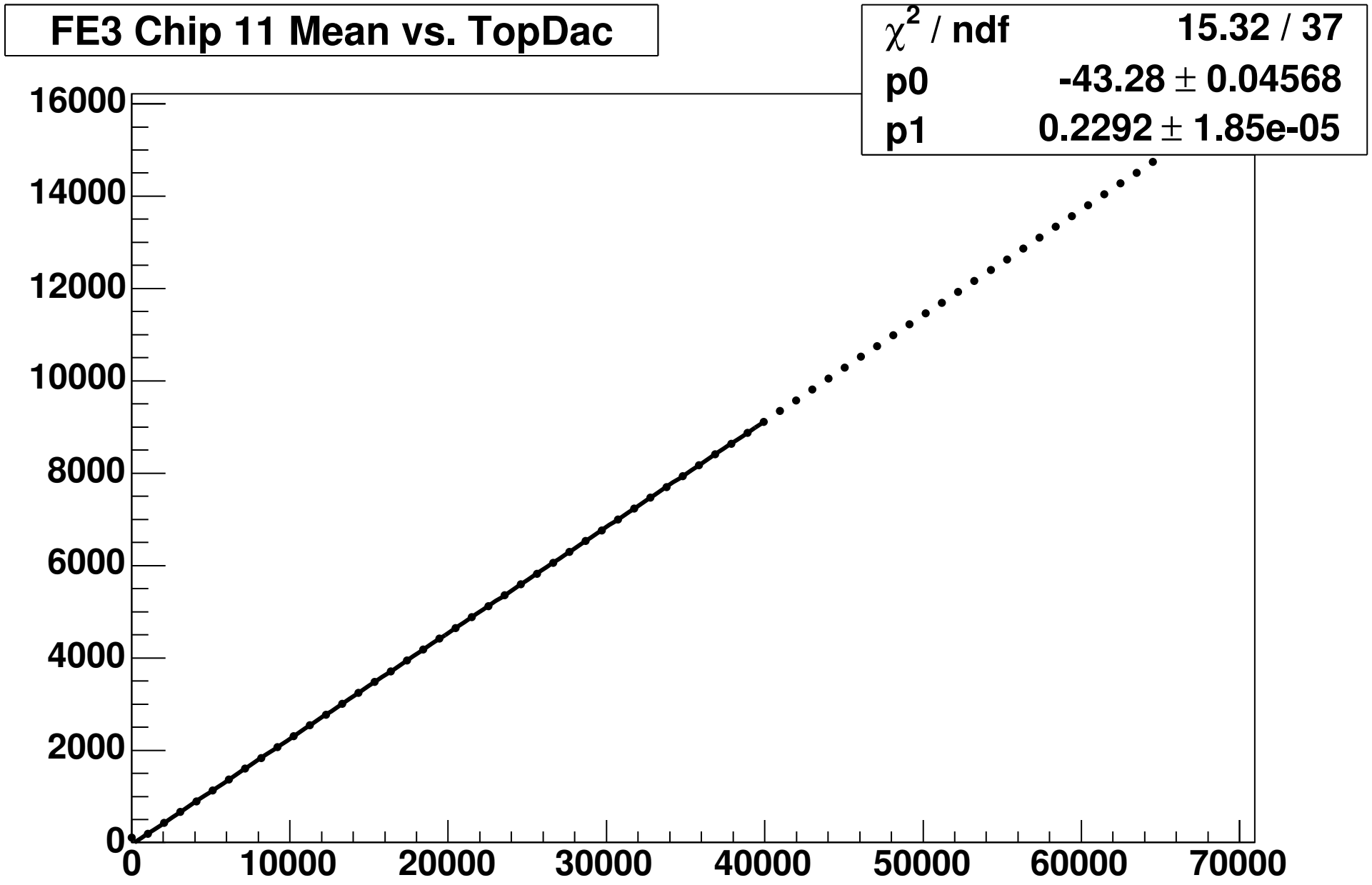
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 15.32 / 37
p0 -43.28 ± 0.04568
p1 0.2292 ± 1.85e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
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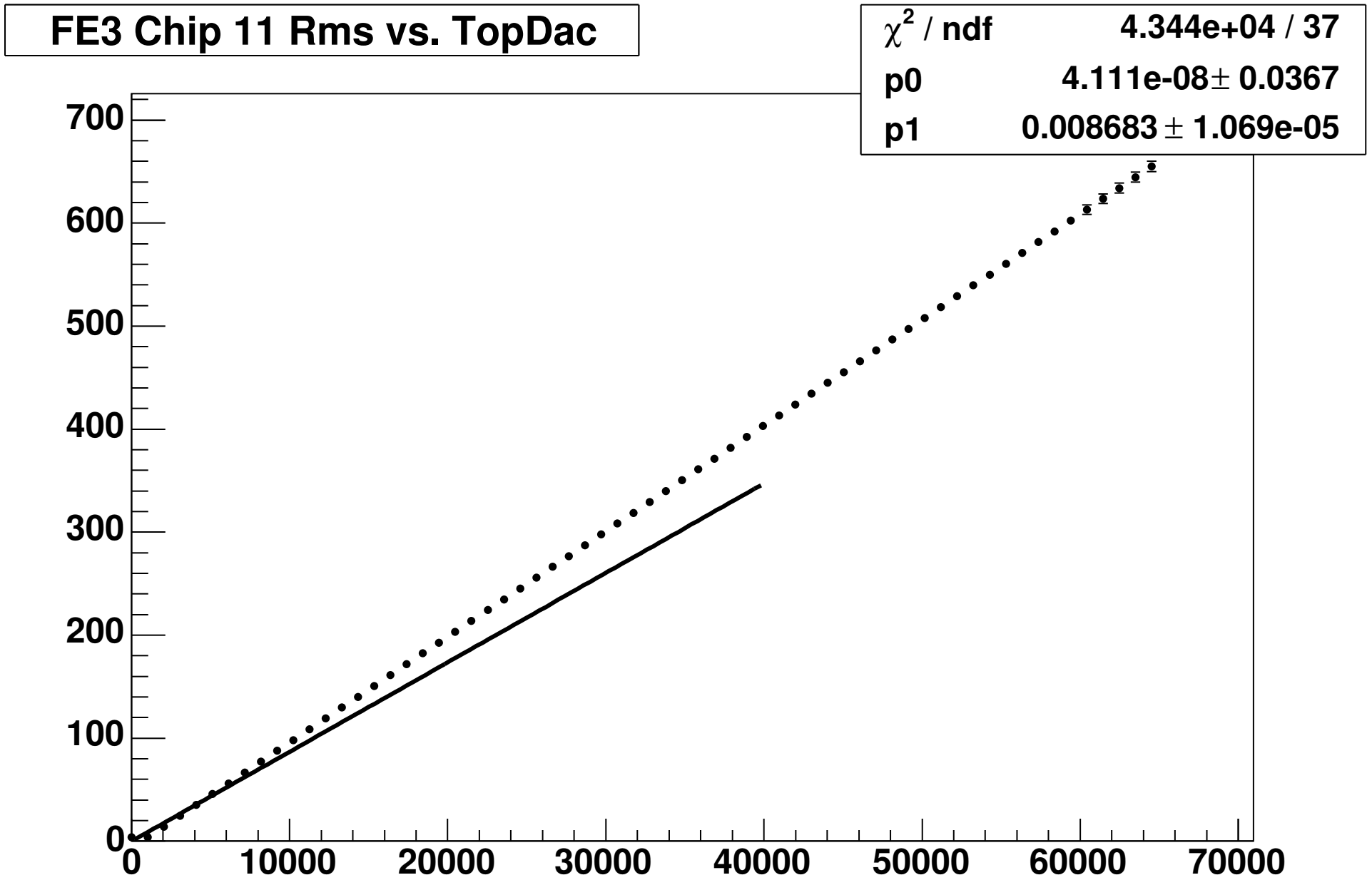
FE3 Chip 11 Rms vs. TopDac
χ² / ndf 4.344e+04 / 37
p0 4.111e-08 ± 0.0367
p1 0.008683 ± 1.069e-05
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600
500
400
300
200
100
0
0
10000
20000
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50000
60000
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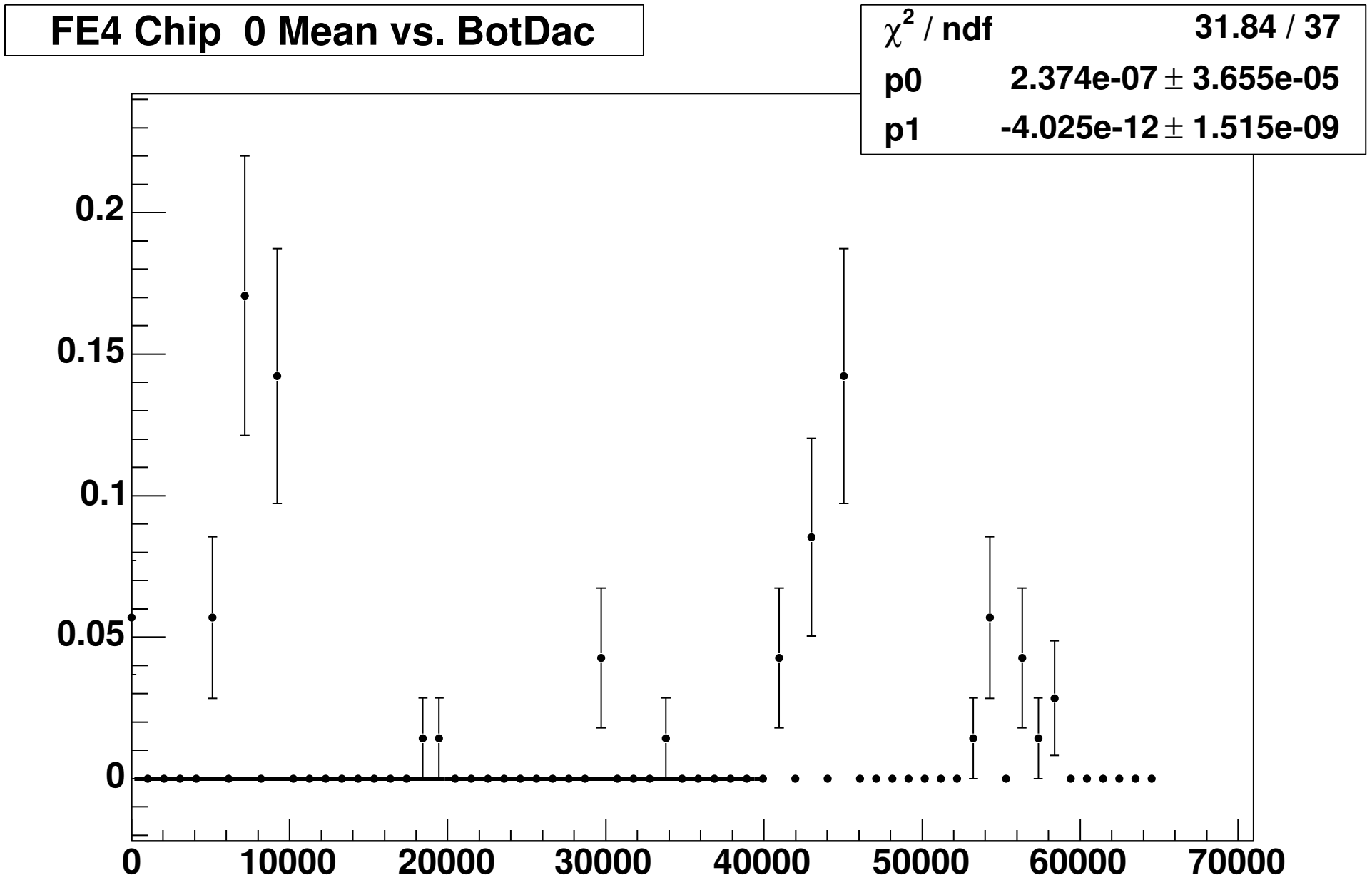
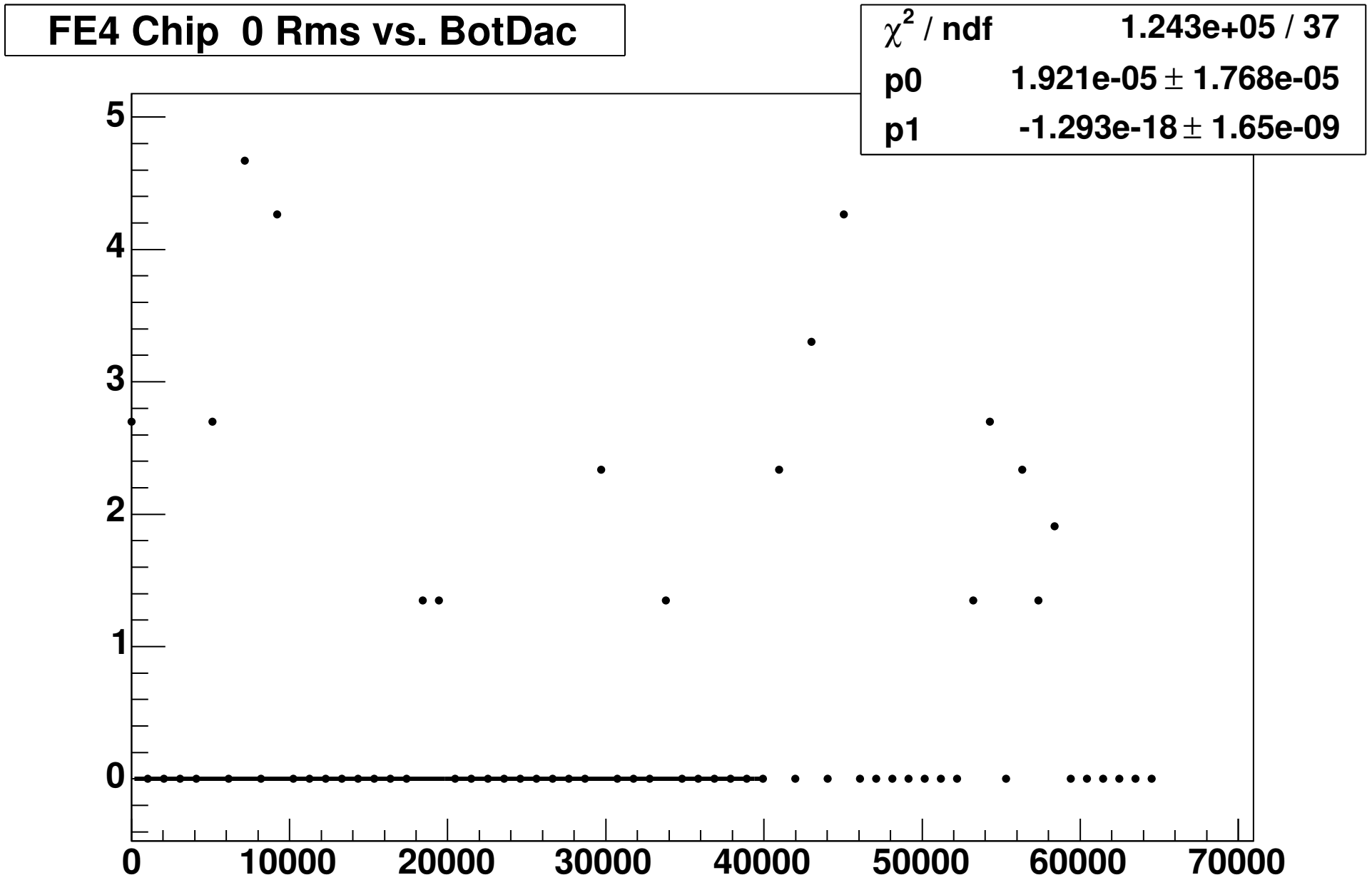

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 31.84 / 37
p0 2.374e-07 ± 3.655e-05
p1 -4.025e-12 ± 1.515e-09
0.2
0.15
0.1
0.05
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 1.243e+05 / 37
p0 1.921e-05 ± 1.768e-05
p1 -1.293e-18 ± 1.65e-09
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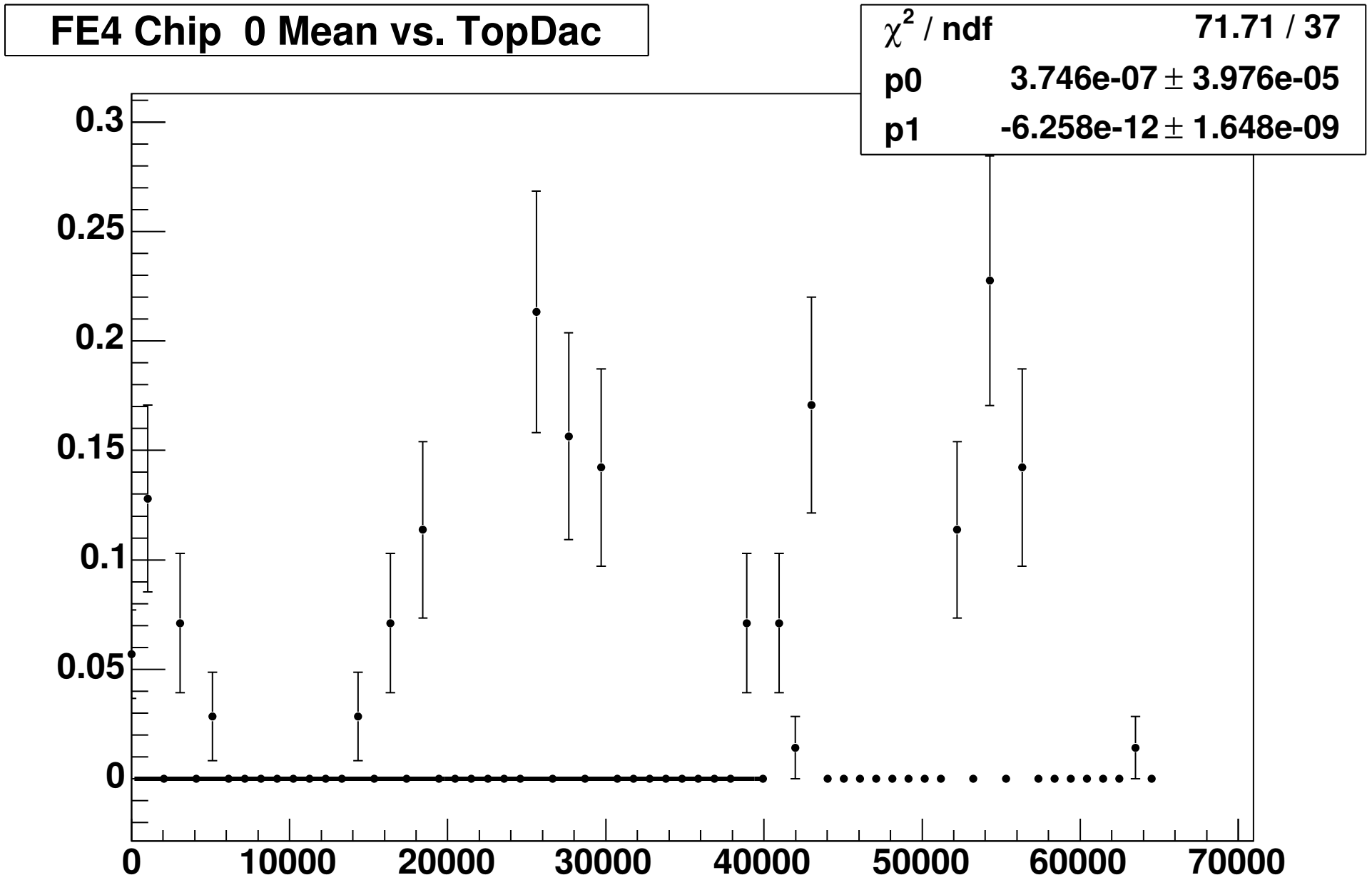
4
3
2
1
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 71.71 / 37
p0 3.746e-07 ± 3.976e-05
p1 -6.258e-12 ± 1.648e-09
0.3
0.25
0.2
0.15
0.1
0.05
0
0
10000
20000
30000
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50000
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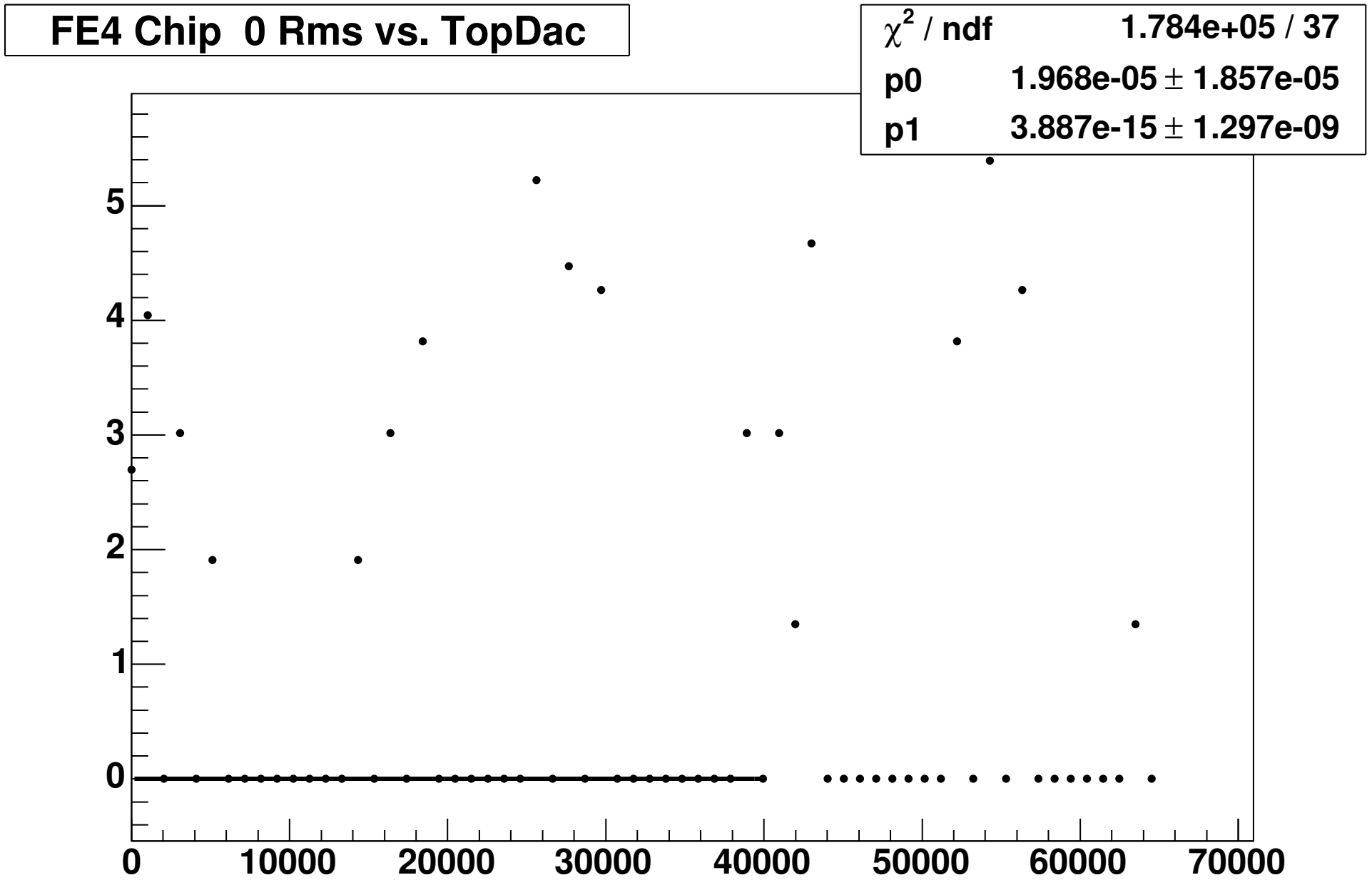
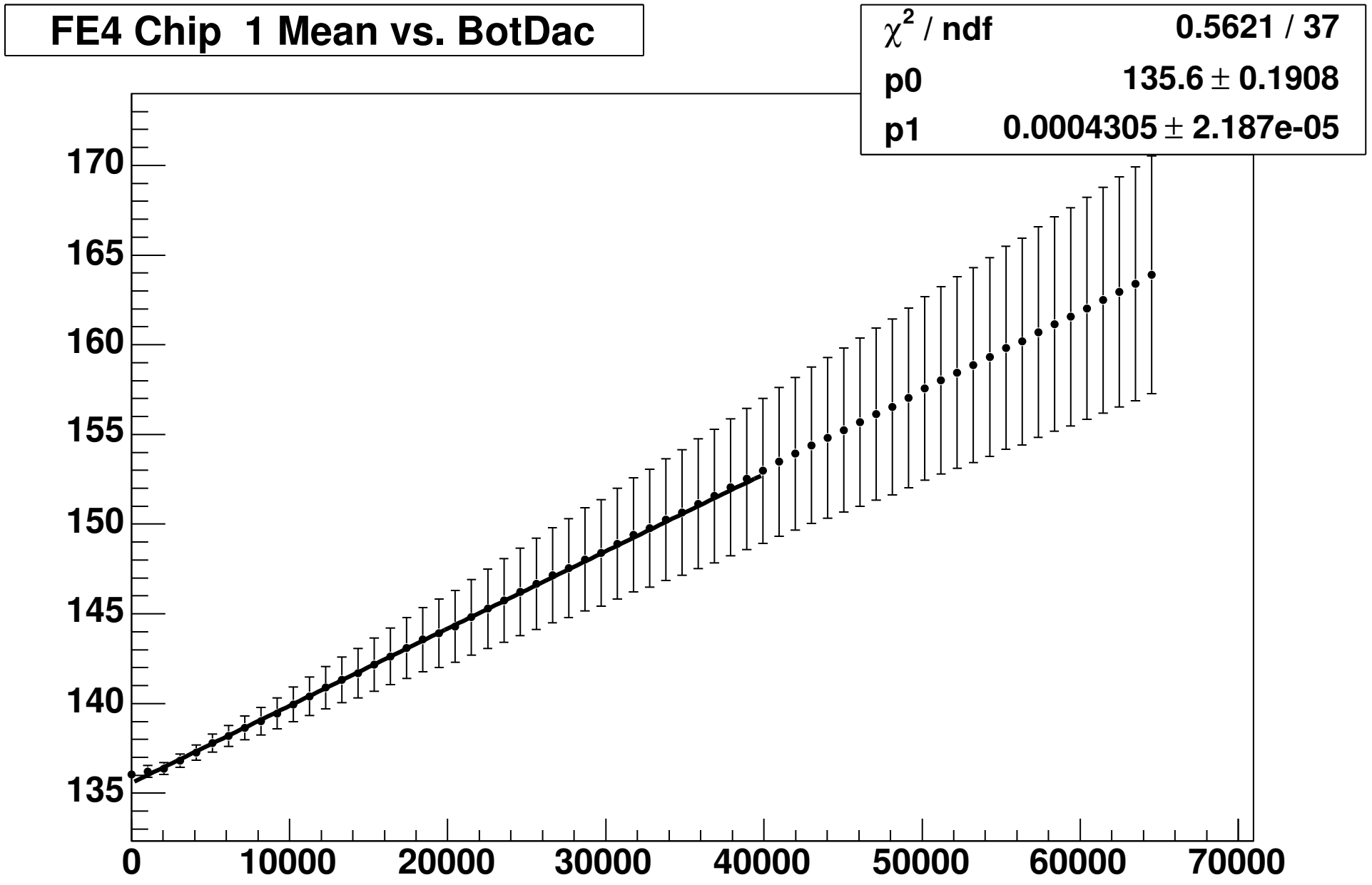
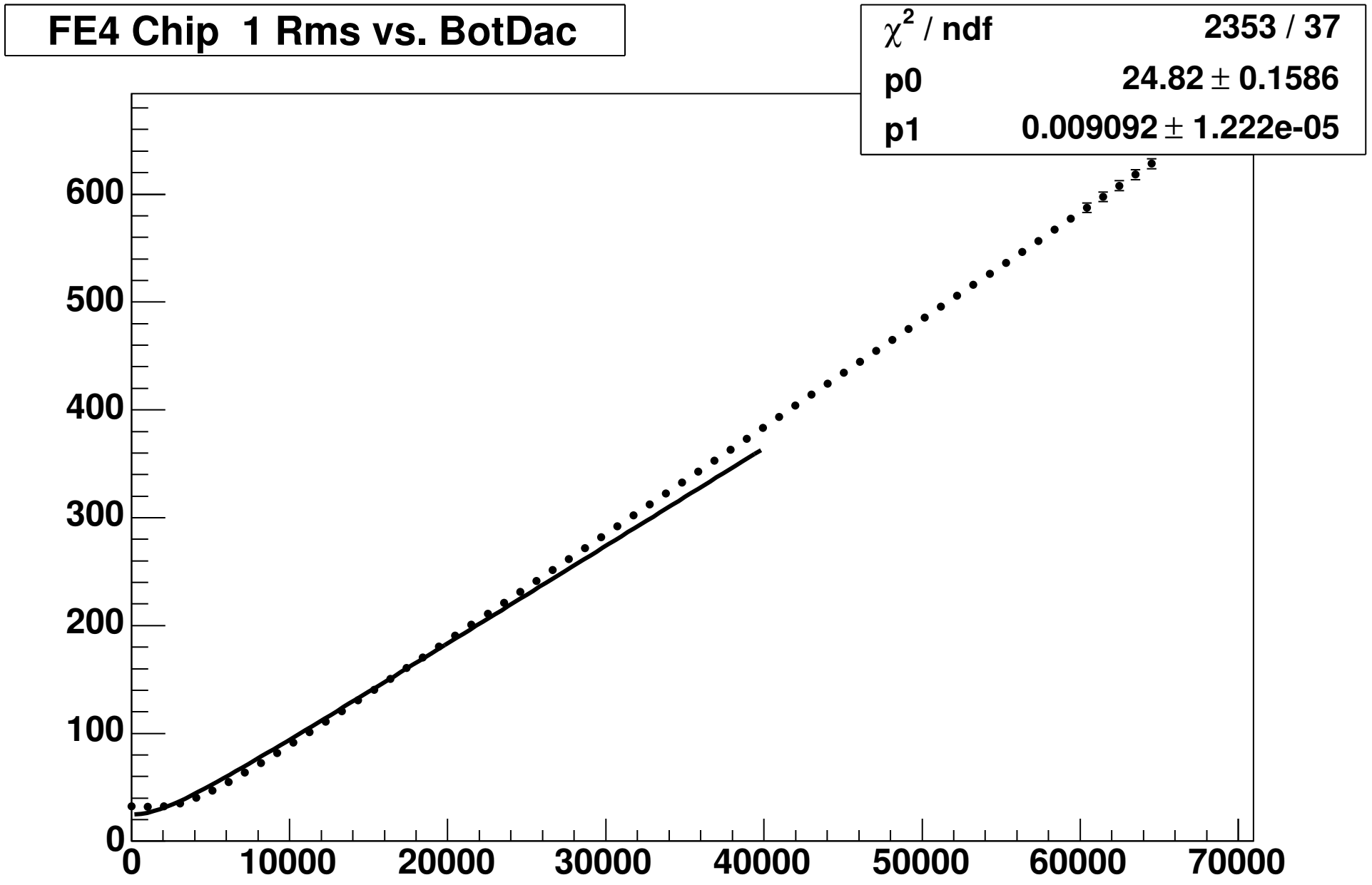
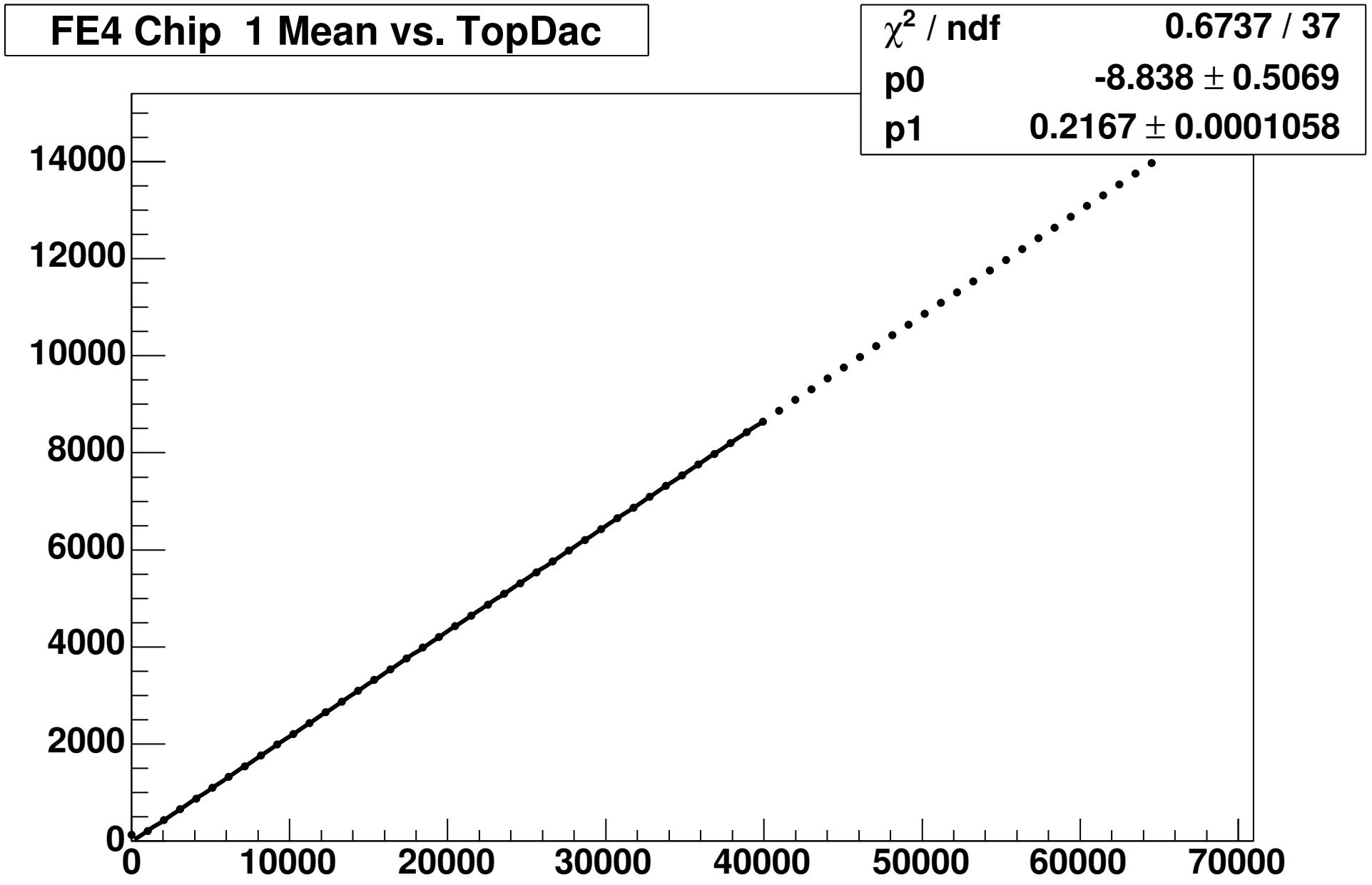
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 1.784e+05 / 37
p0 1.968e-05 ± 1.857e-05
p1 3.887e-15 ± 1.297e-09
0
1
2
3
4
5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 0.5621 / 37
p0 135.6 ± 0.1908
p1 0.0004305 ± 2.187e-05
170
165
160
155
150
145
140
135
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 2353 / 37
p0 24.82 ± 0.1586
p1 0.009092 ± 1.222e-05
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 0.6737 / 37
p0 -8.838 ± 0.5069
p1 0.2167 ± 0.0001058
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12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
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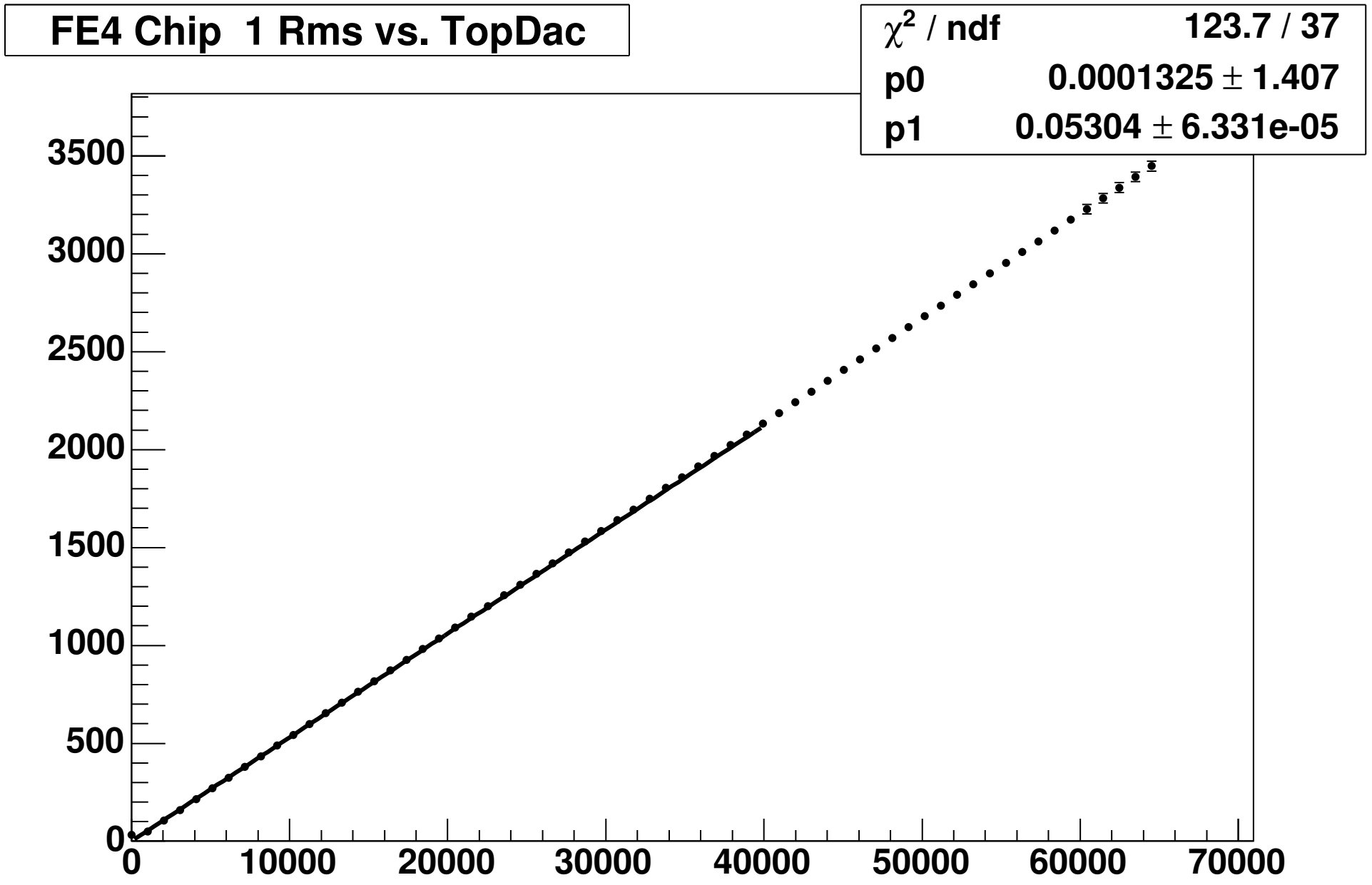
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 123.7 / 37
p0 0.0001325 ± 1.407
p1 0.05304 ± 6.331e-05
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
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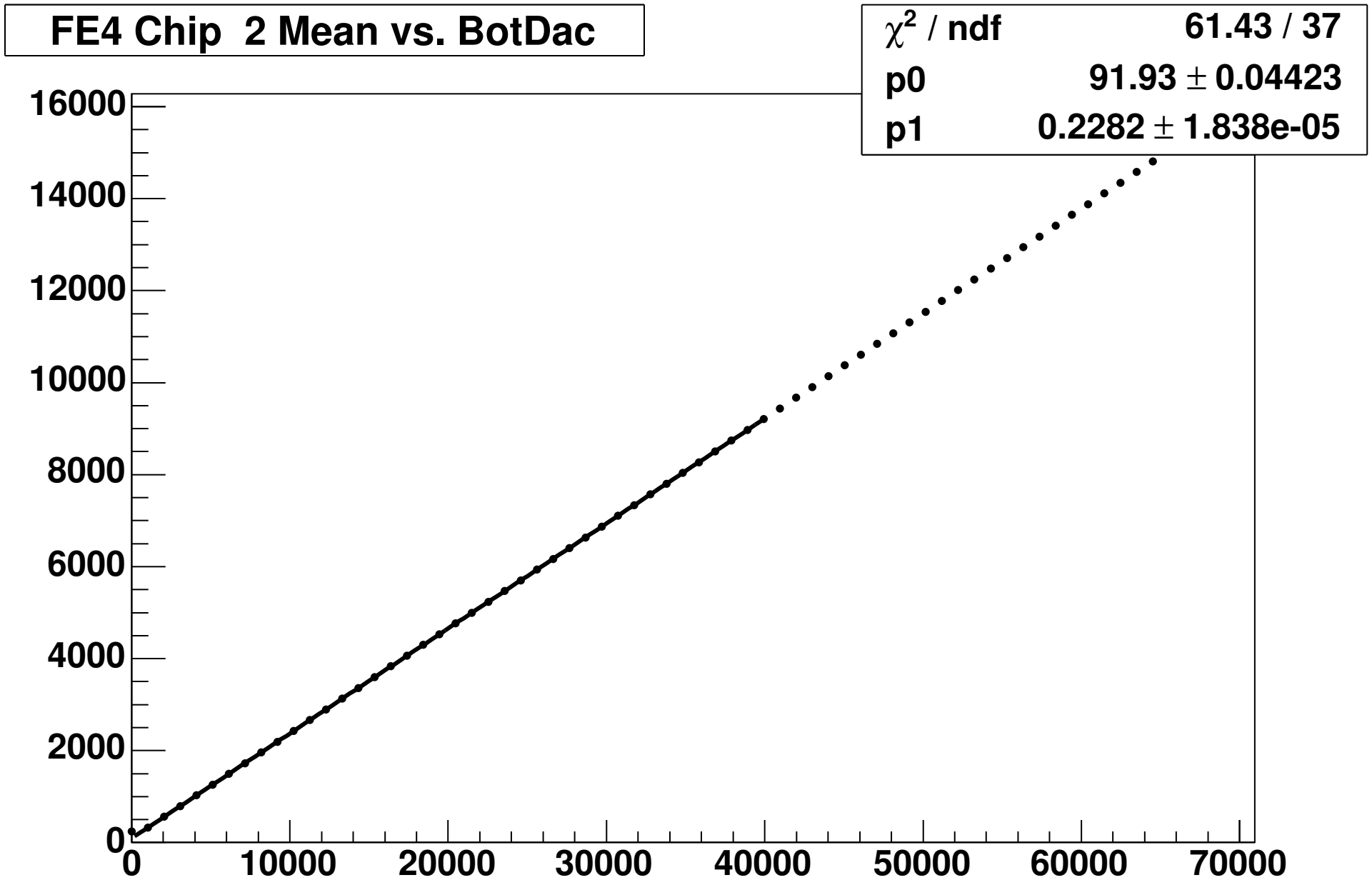
60000
70000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 61.43 / 37
p0 91.93 ± 0.04423
p1 0.2282 ± 1.838e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
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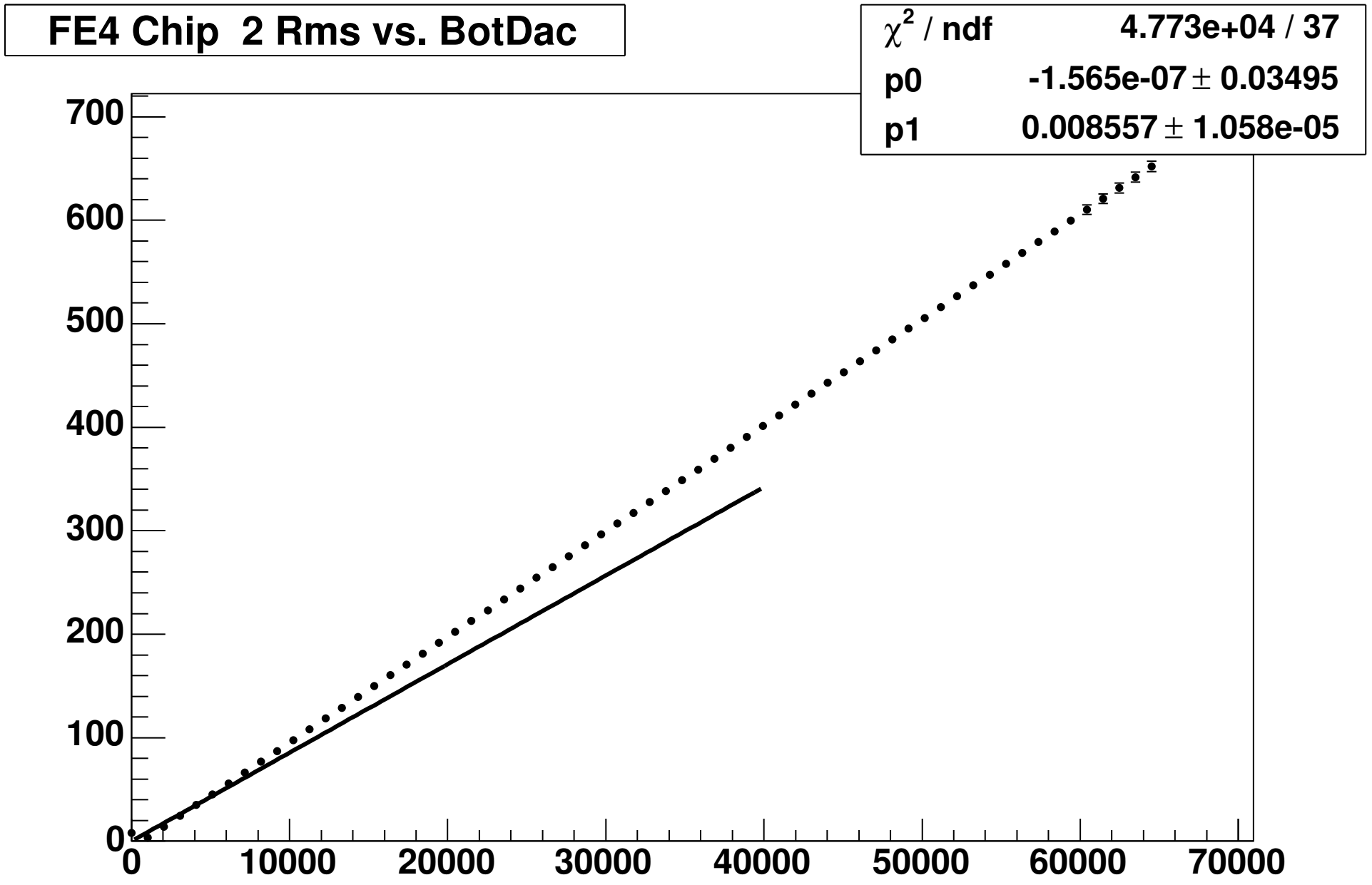
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 4.773e+04 / 37
p0 -1.565e-07 ± 0.03495
p1 0.008557 ± 1.058e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
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60000
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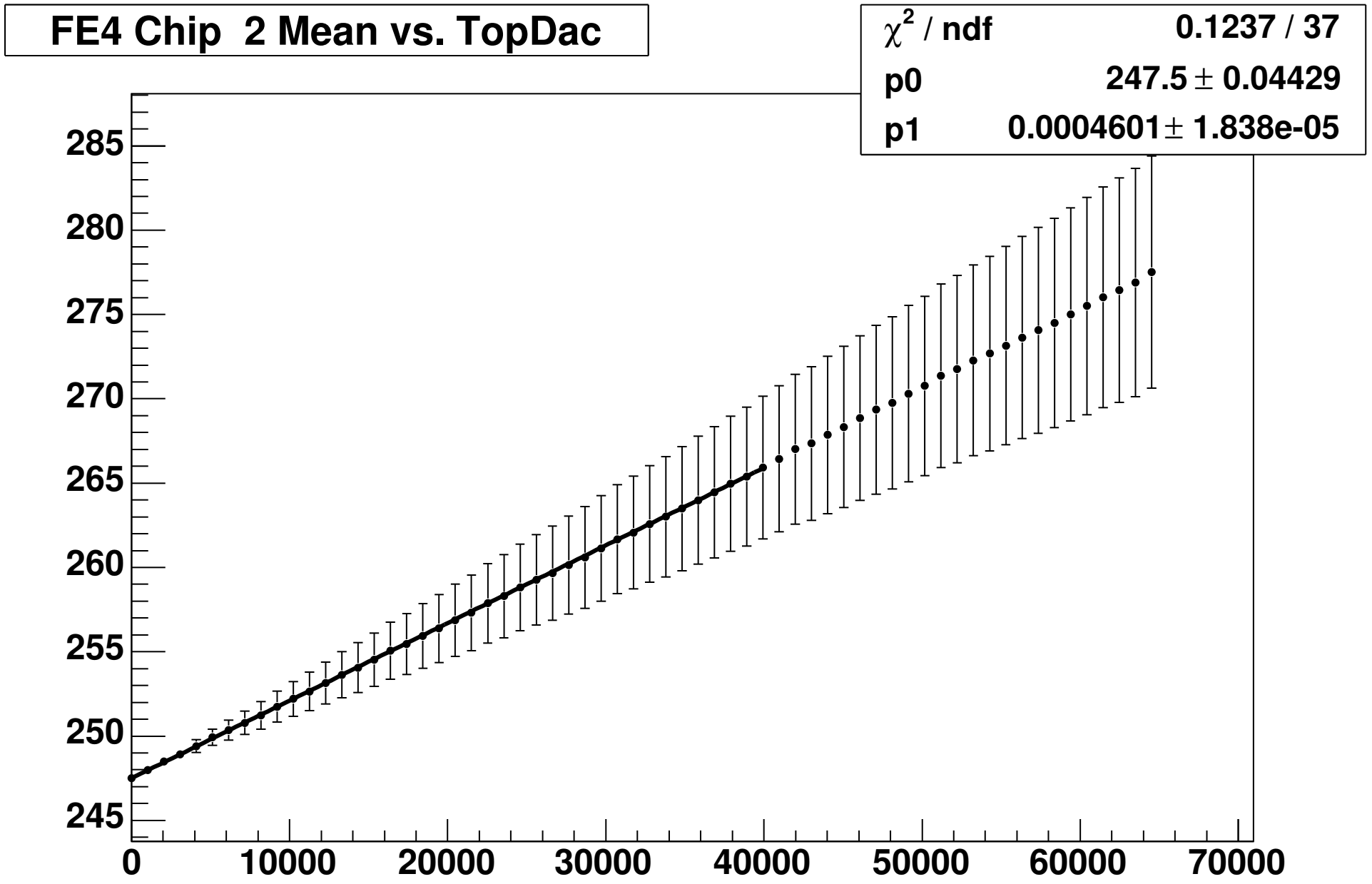
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 0.1237 / 37
p0 247.5 ± 0.04429
p1 0.0004601 ± 1.838e-05
285
280
275
270
265
260
255
250
245
0
10000
20000
30000
40000
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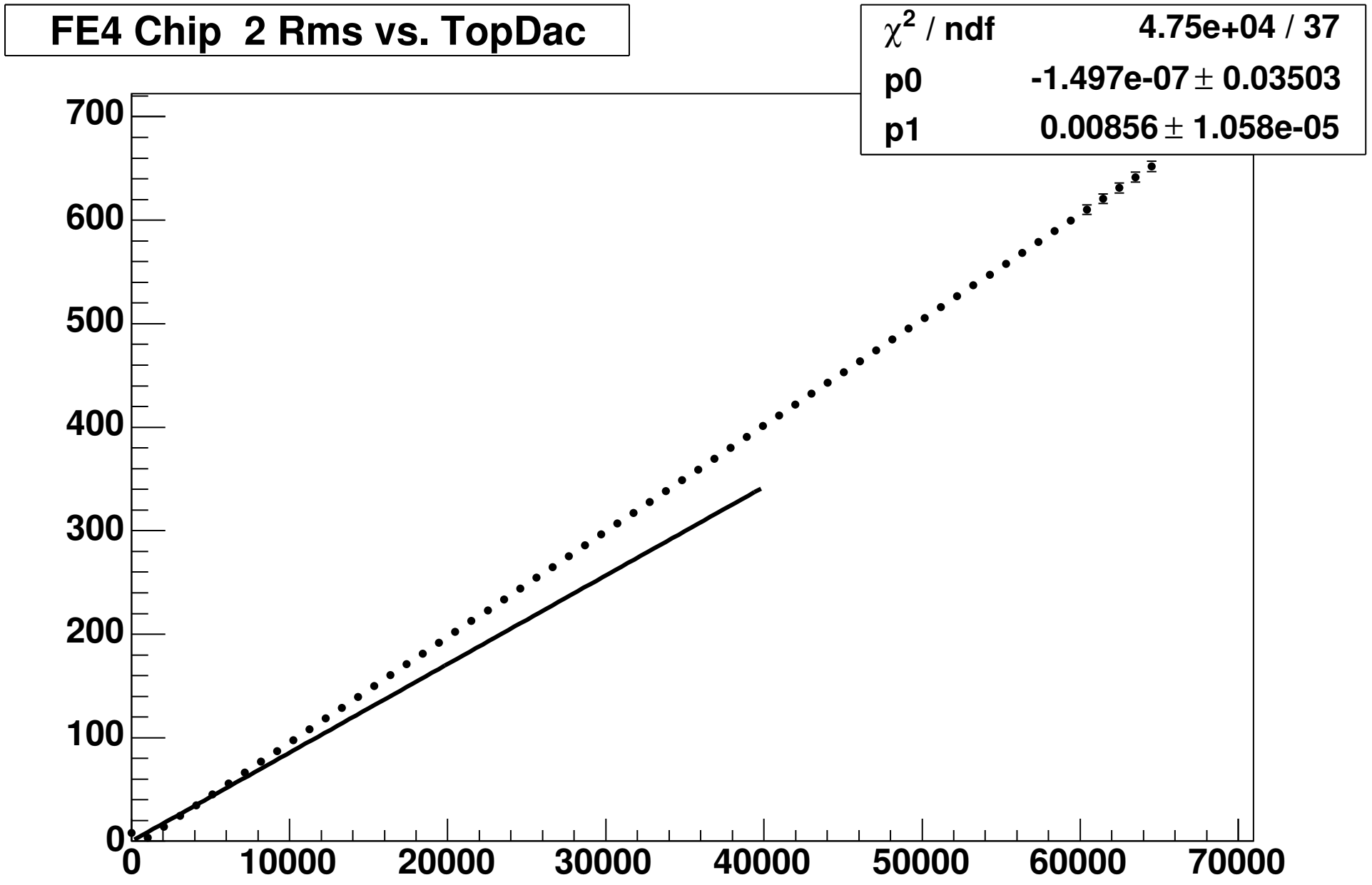
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 4.75e+04 / 37
p0 -1.497e-07 ± 0.03503
p1 0.00856 ± 1.058e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
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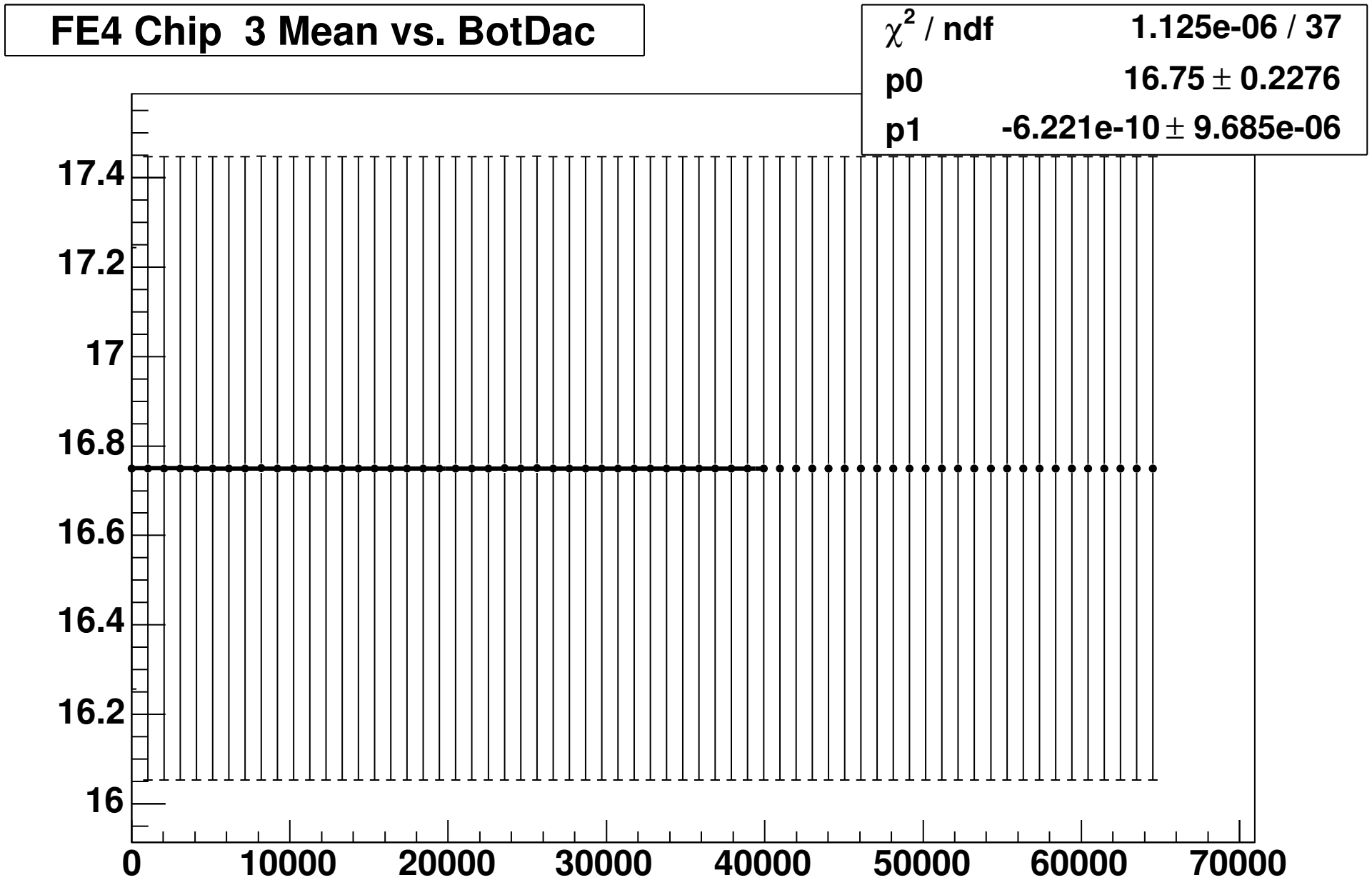
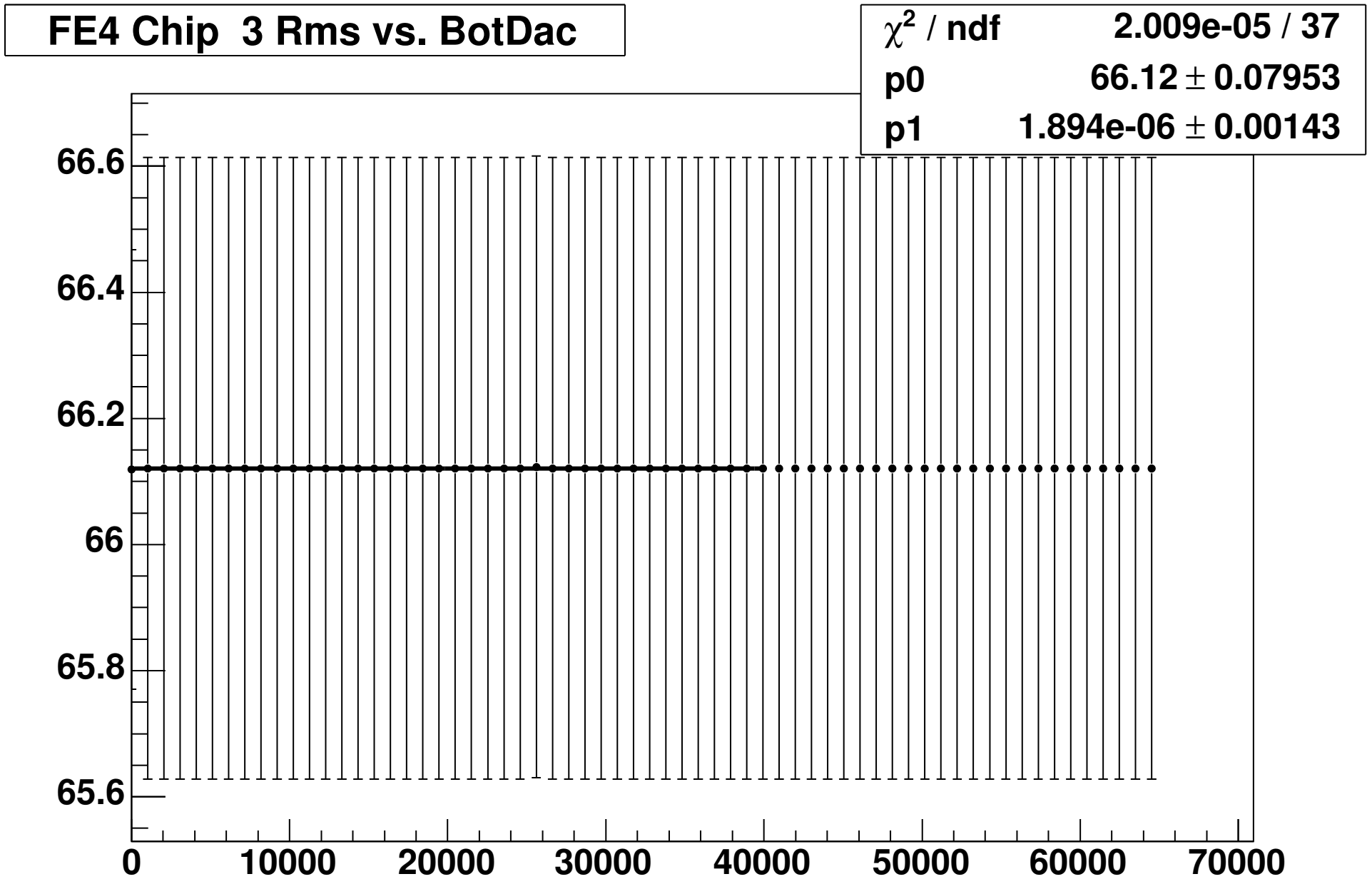
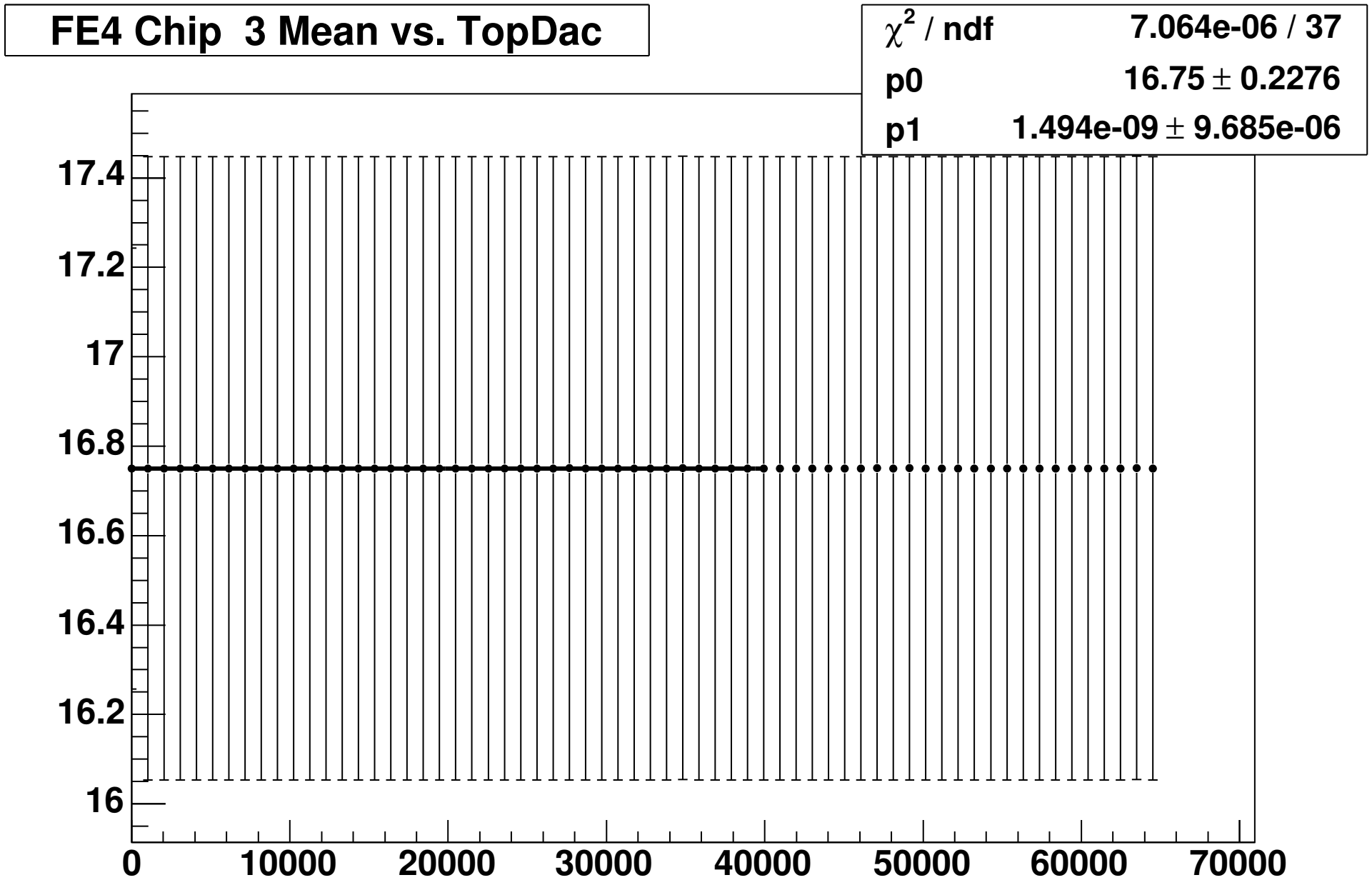

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 1.125e-06 / 37
p0 16.75 ± 0.2276
p1 -6.221e-10 ± 9.685e-06
17.4
17.2
17
16.8
16.6
16.4
16.2
16
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 2.009e-05 / 37
p0 66.12 ± 0.07953
p1 1.894e-06 ± 0.00143
66.6
66.4
66.2
66
65.8
65.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 7.064e-06 / 37
p0 16.75 ± 0.2276
p1 1.494e-09 ± 9.685e-06
17.4
17.2
17
16.8
16.6
16.4
16.2
16
0
10000
20000
30000
40000
50000
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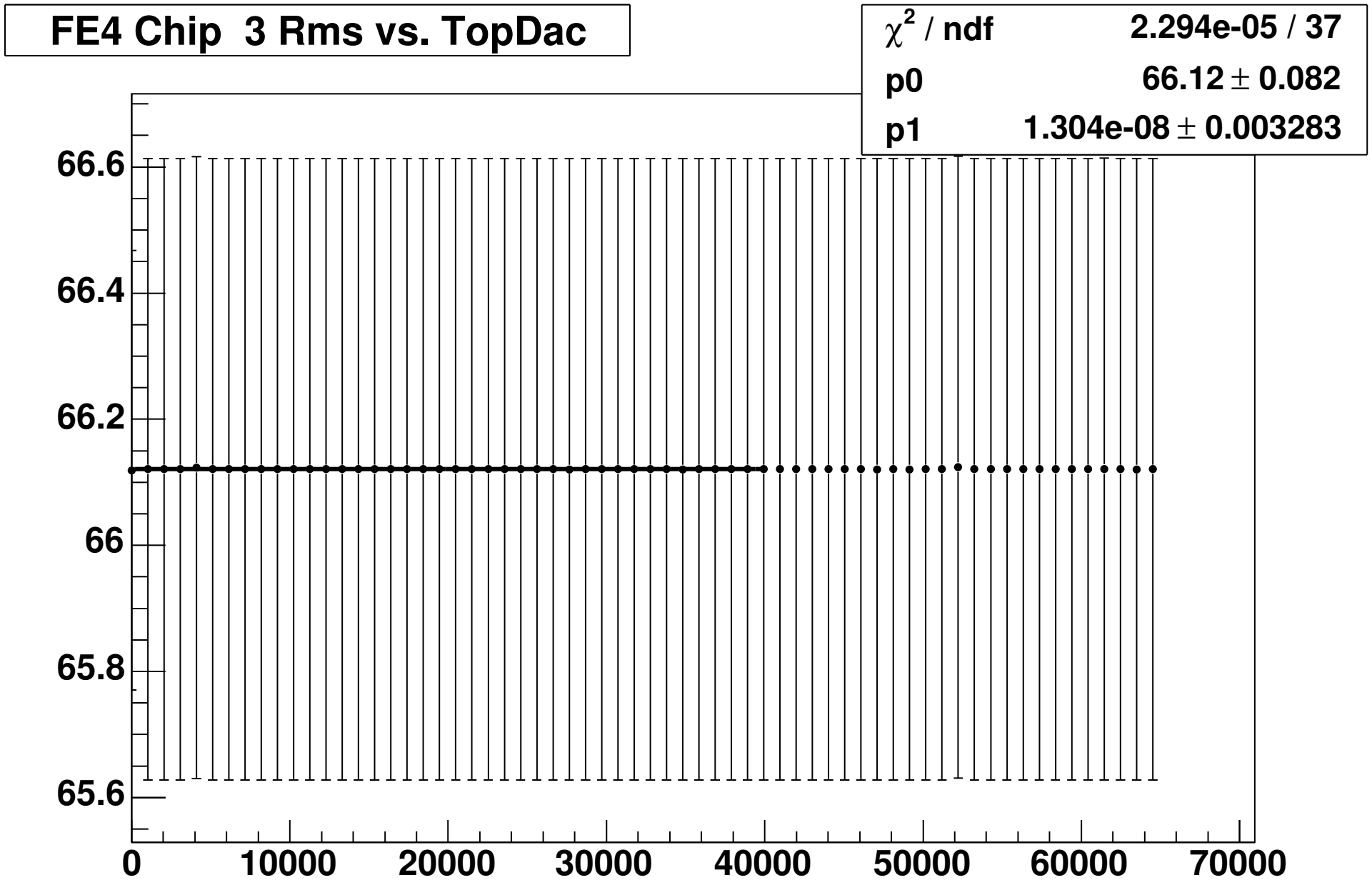
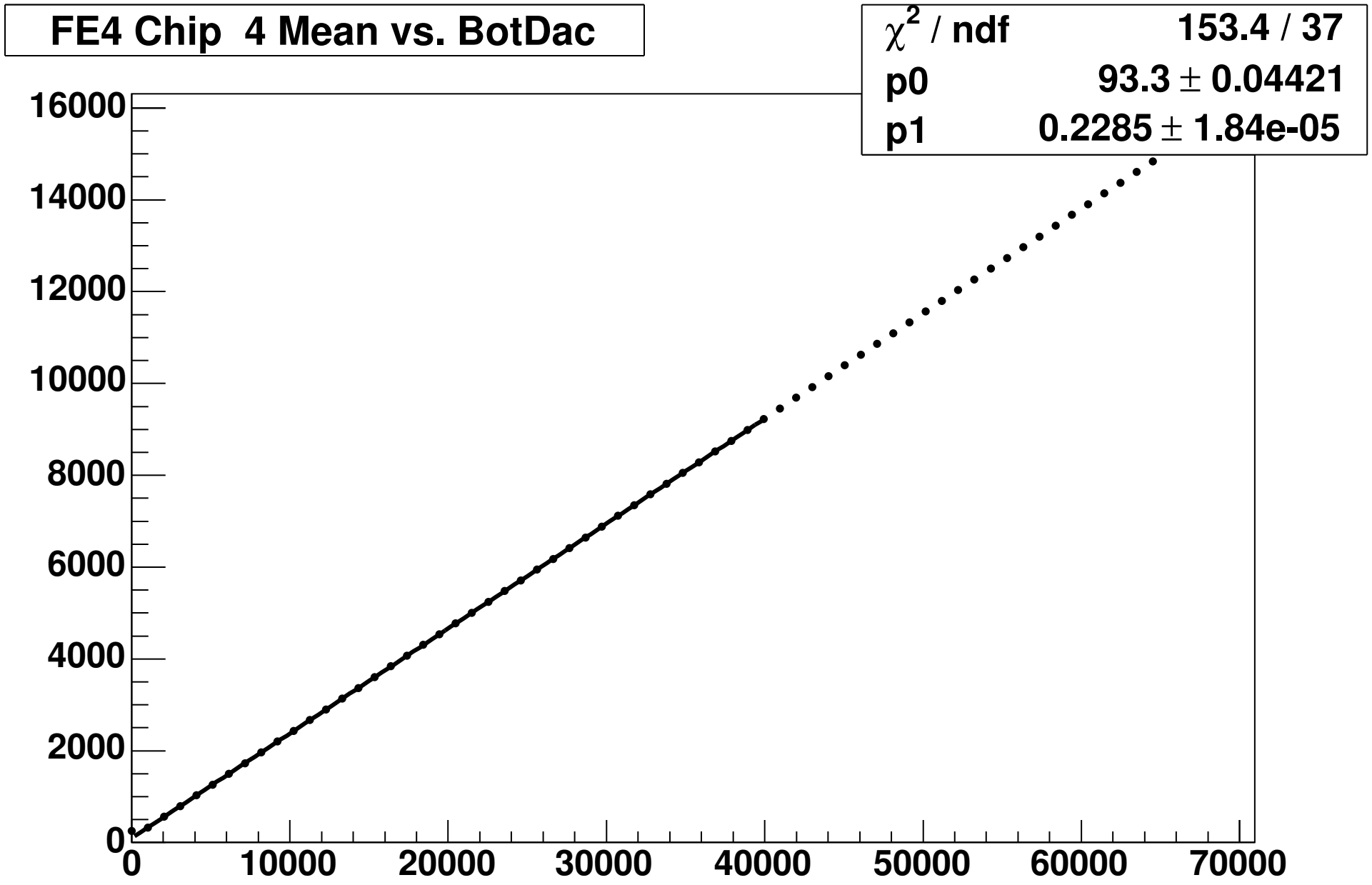
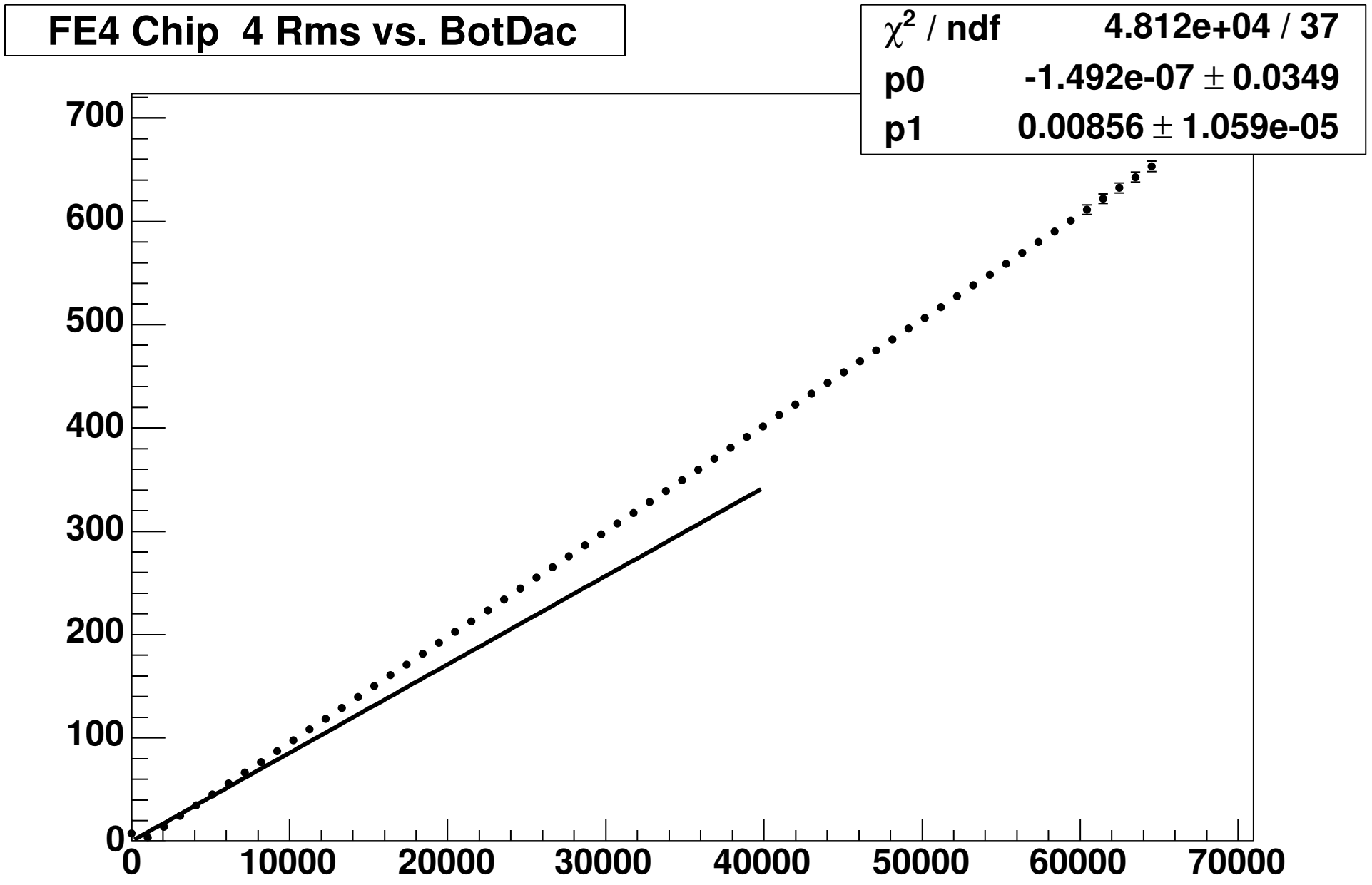

FE4 Chip 3 Rms vs. TopDac
χ² / ndf 2.294e-05 / 37
p0 66.12 ± 0.082
p1 1.304e-08 ± 0.003283
66.6
66.4
66.2
66
65.8
65.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 153.4 / 37
p0 93.3 ± 0.04421
p1 0.2285 ± 1.84e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 4.812e+04 / 37
p0 -1.492e-07 ± 0.0349
p1 0.00856 ± 1.059e-05
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600
500
400
300
200
100
0
0
10000
20000
30000
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50000
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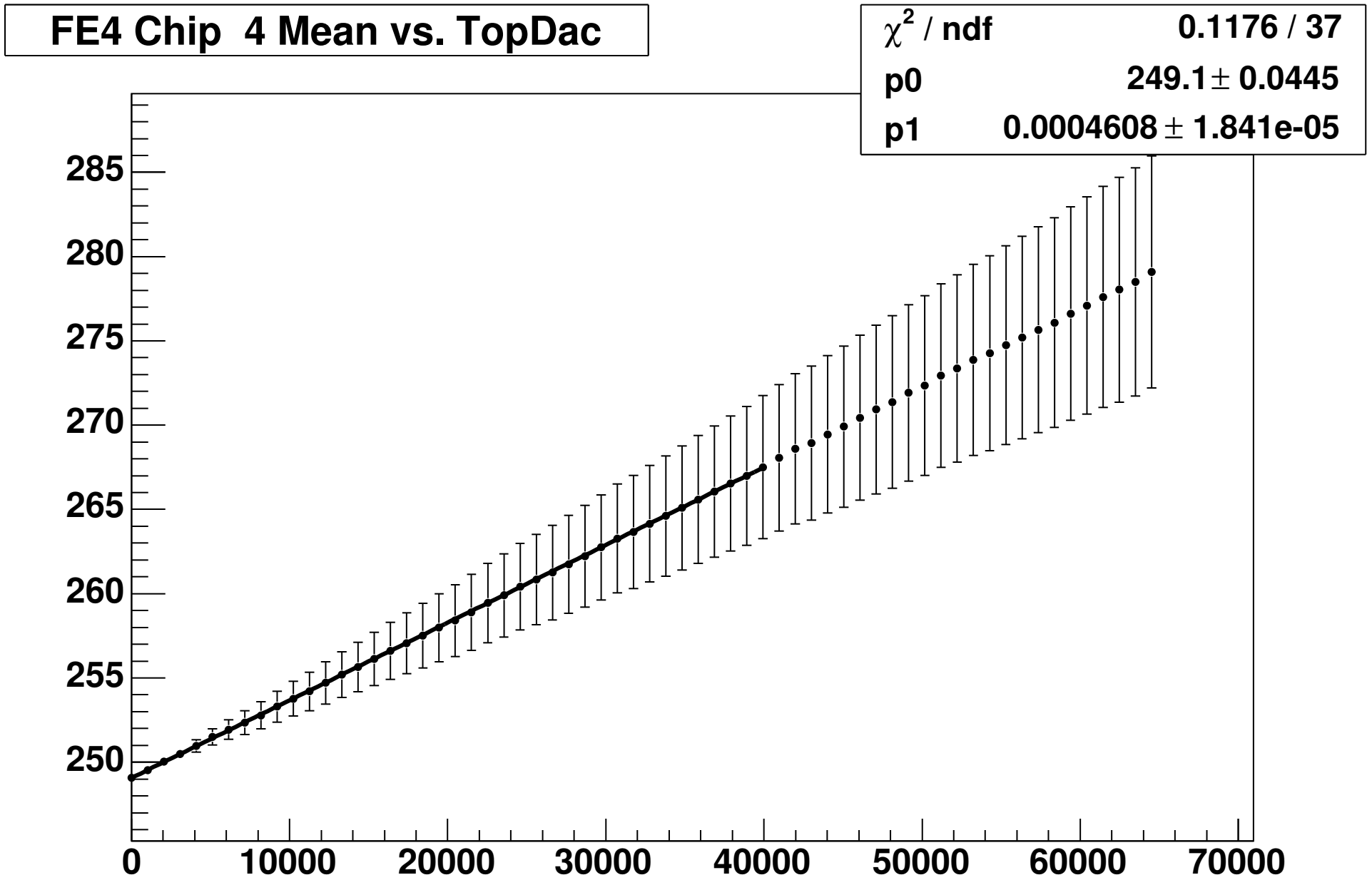
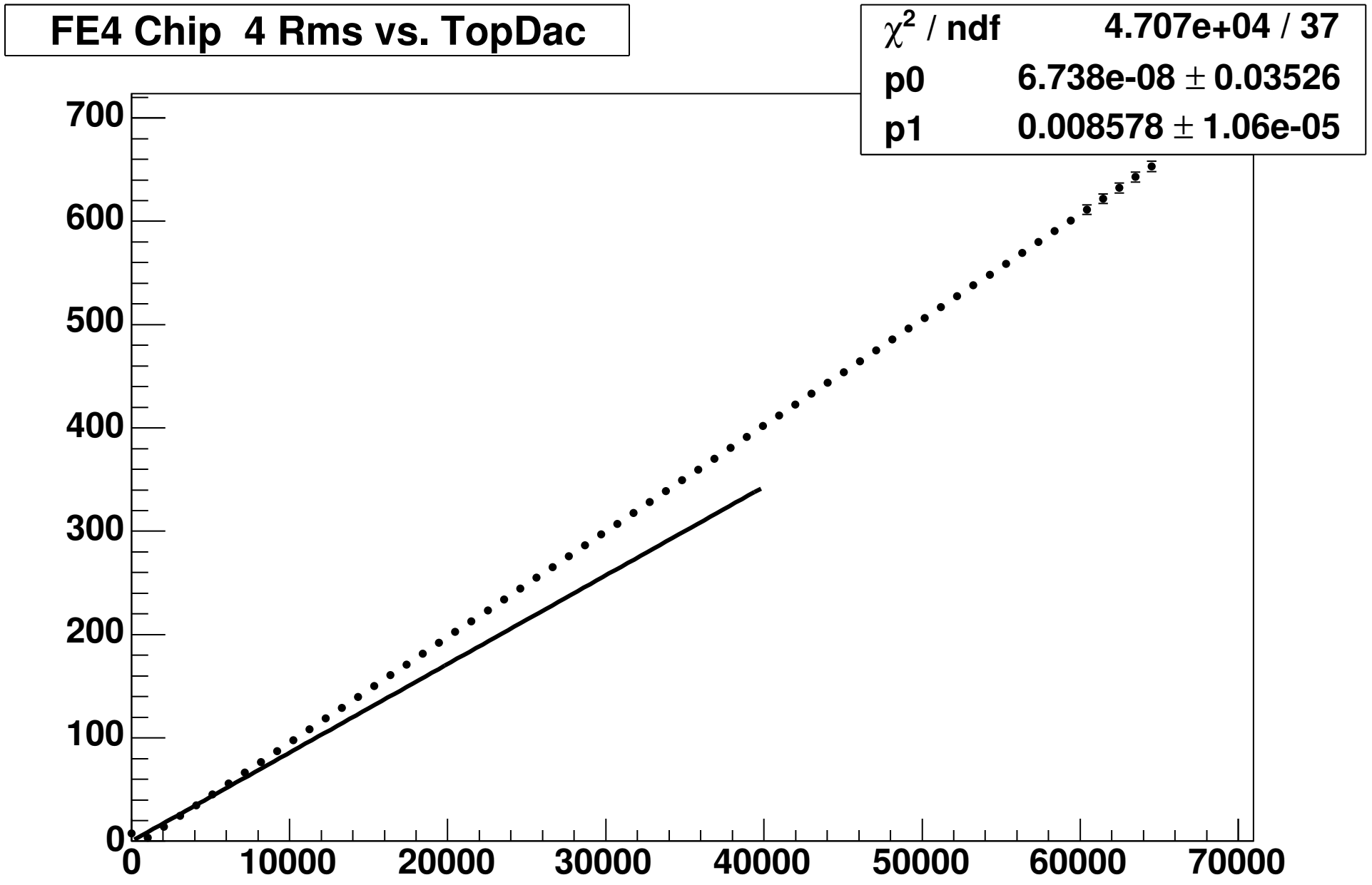

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 0.1176 / 37
p0 249.1 ± 0.0445
p1 0.0004608 ± 1.841e-05
285
280
275
270
265
260
255
250
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 4.707e+04 / 37
p0 6.738e-08 ± 0.03526
p1 0.008578 ± 1.06e-05
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600
500
400
300
200
100
0
0
10000
20000
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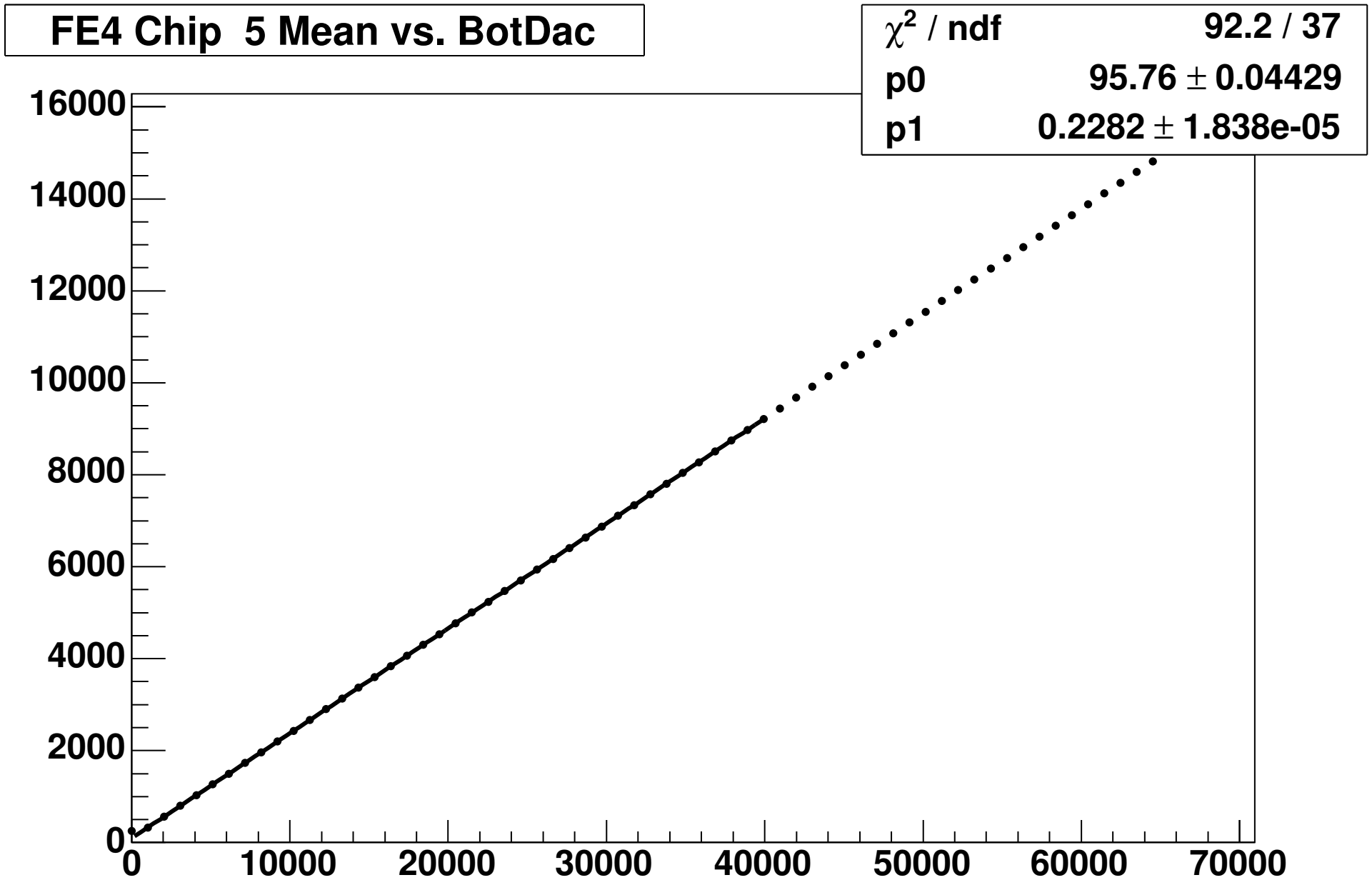
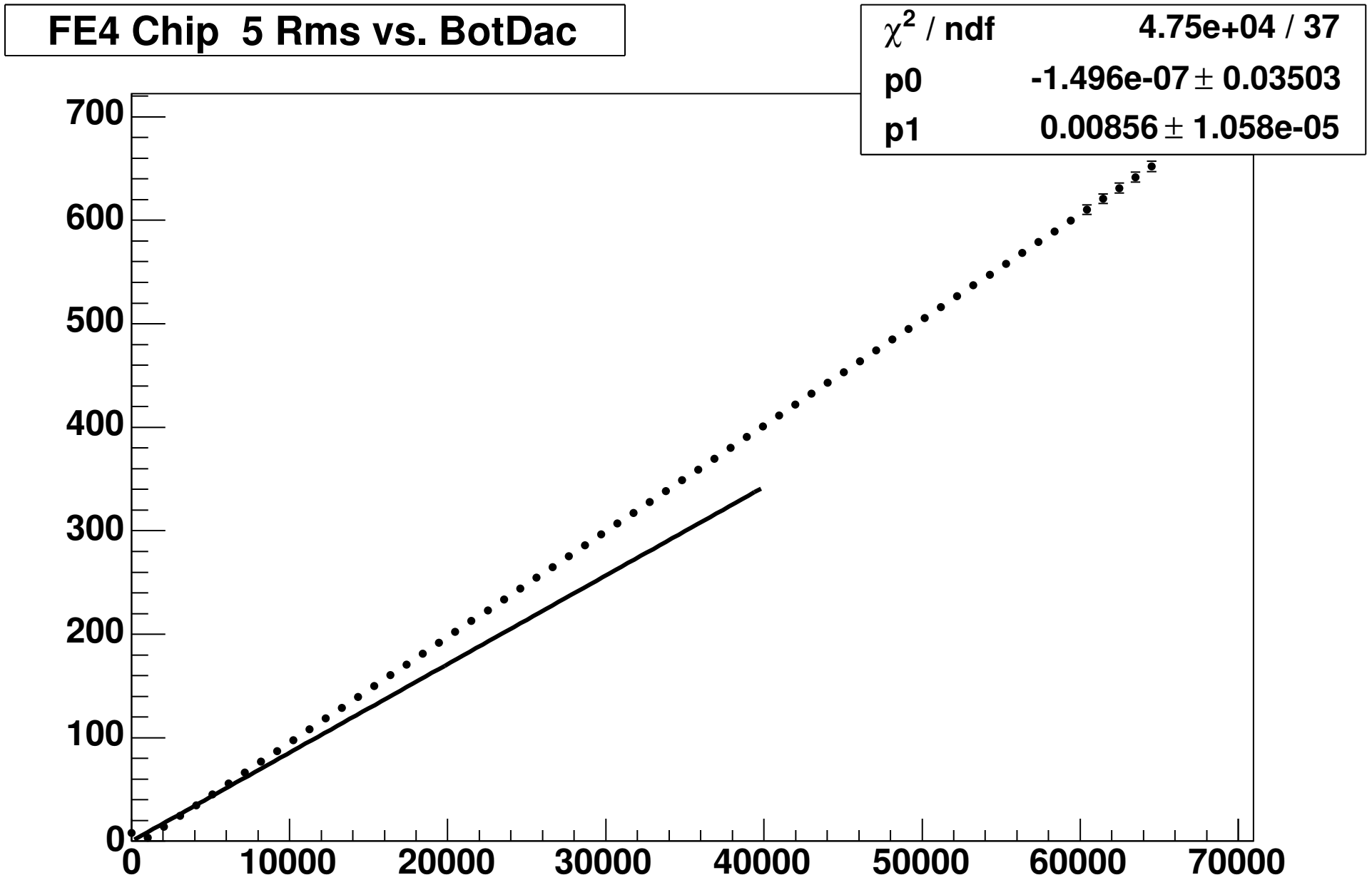

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 92.2 / 37
p0 95.76 ± 0.04429
p1 0.2282 ± 1.838e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 4.75e+04 / 37
p0 -1.496e-07 ± 0.03503
p1 0.00856 ± 1.058e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
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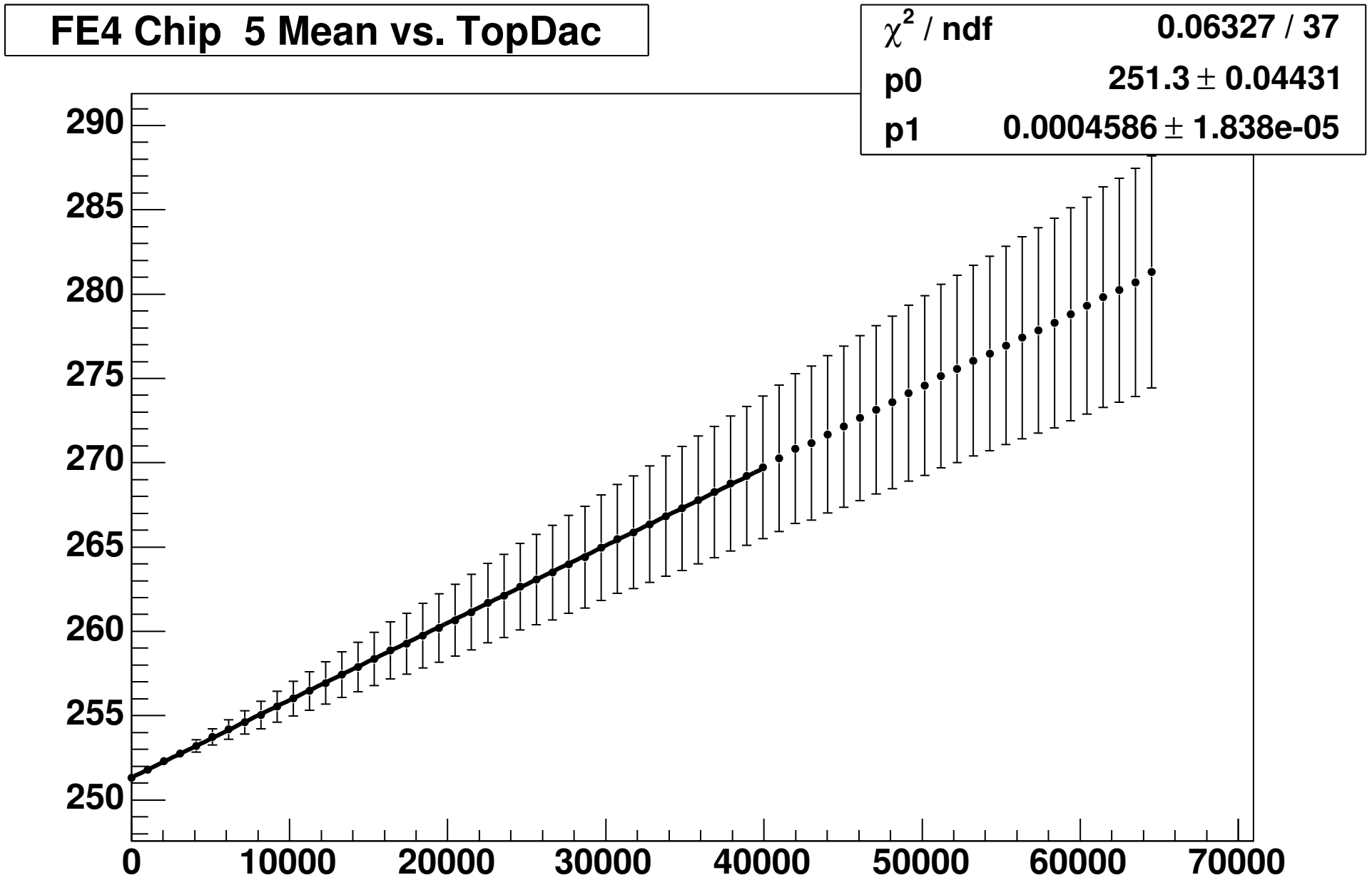
FE4 Chip 5 Mean vs. TopDac
χ² / ndf 0.06327 / 37
p0 251.3 ± 0.04431
p1 0.0004586 ± 1.838e-05
290
285
280
275
270
265
260
255
250
0
10000
20000
30000
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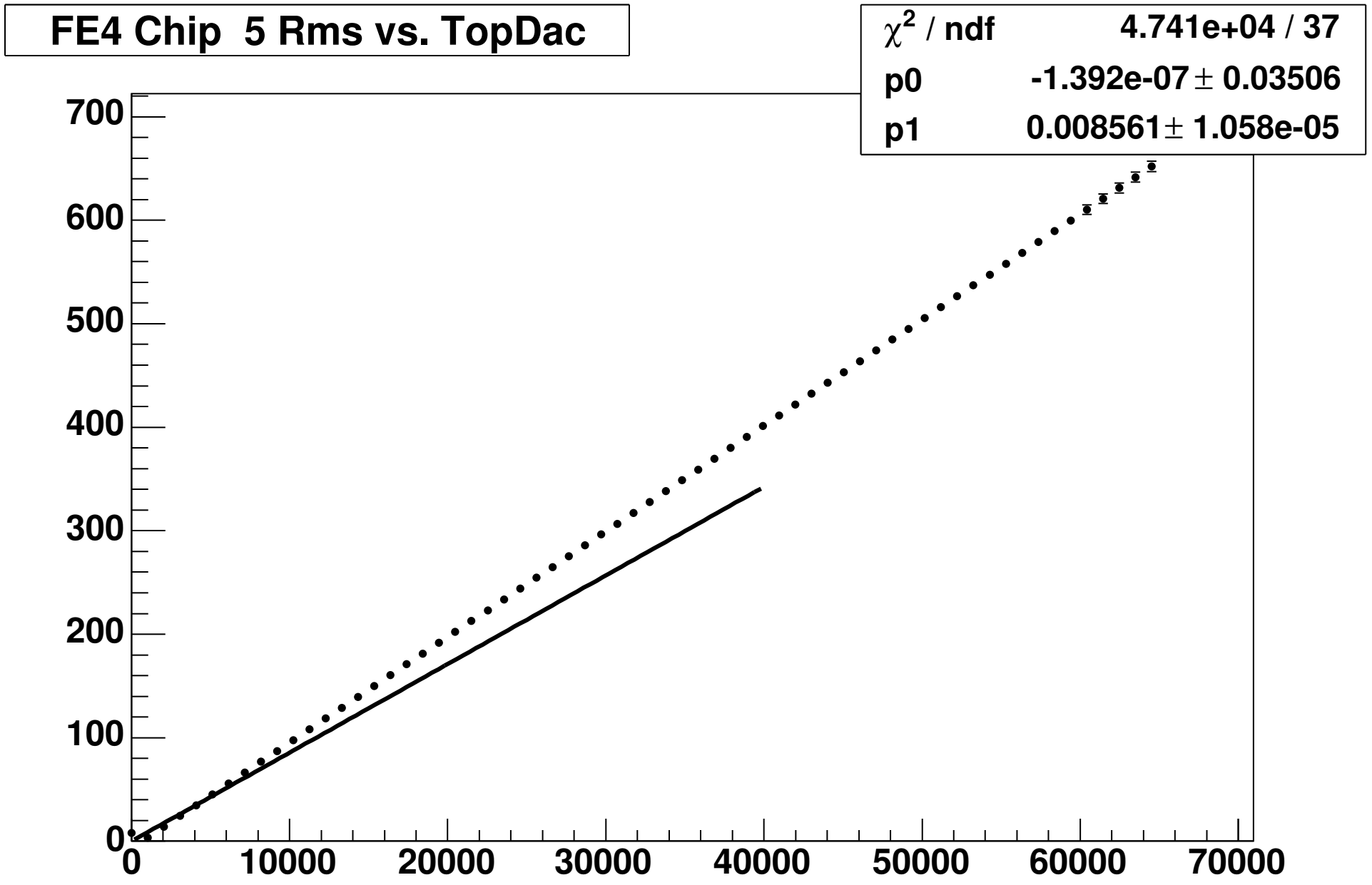
FE4 Chip 5 Rms vs. TopDac
χ² / ndf 4.741e+04 / 37
p0 -1.392e-07 ± 0.03506
p1 0.008561 ± 1.058e-05
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600
500
400
300
200
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0
0
10000
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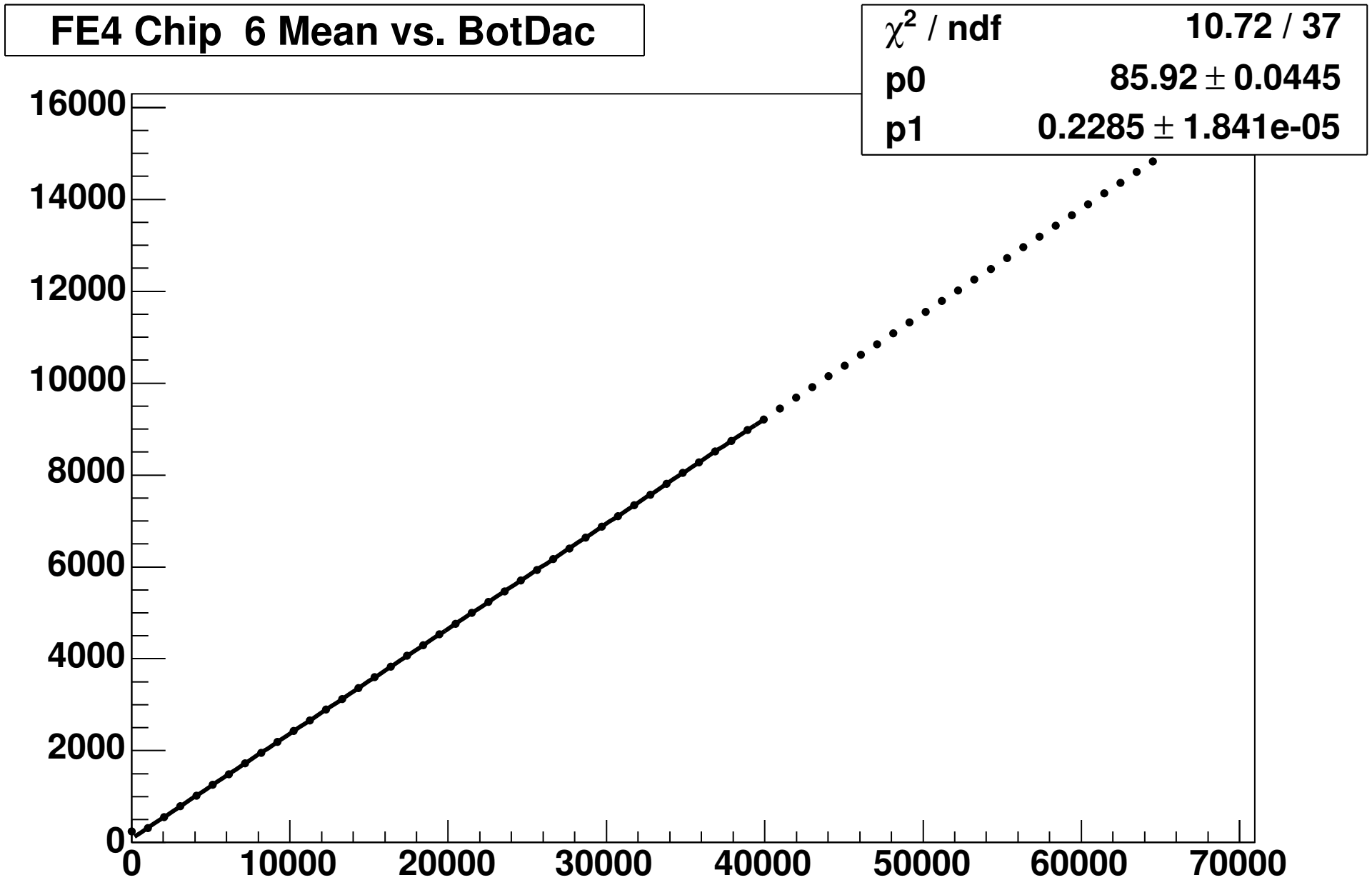
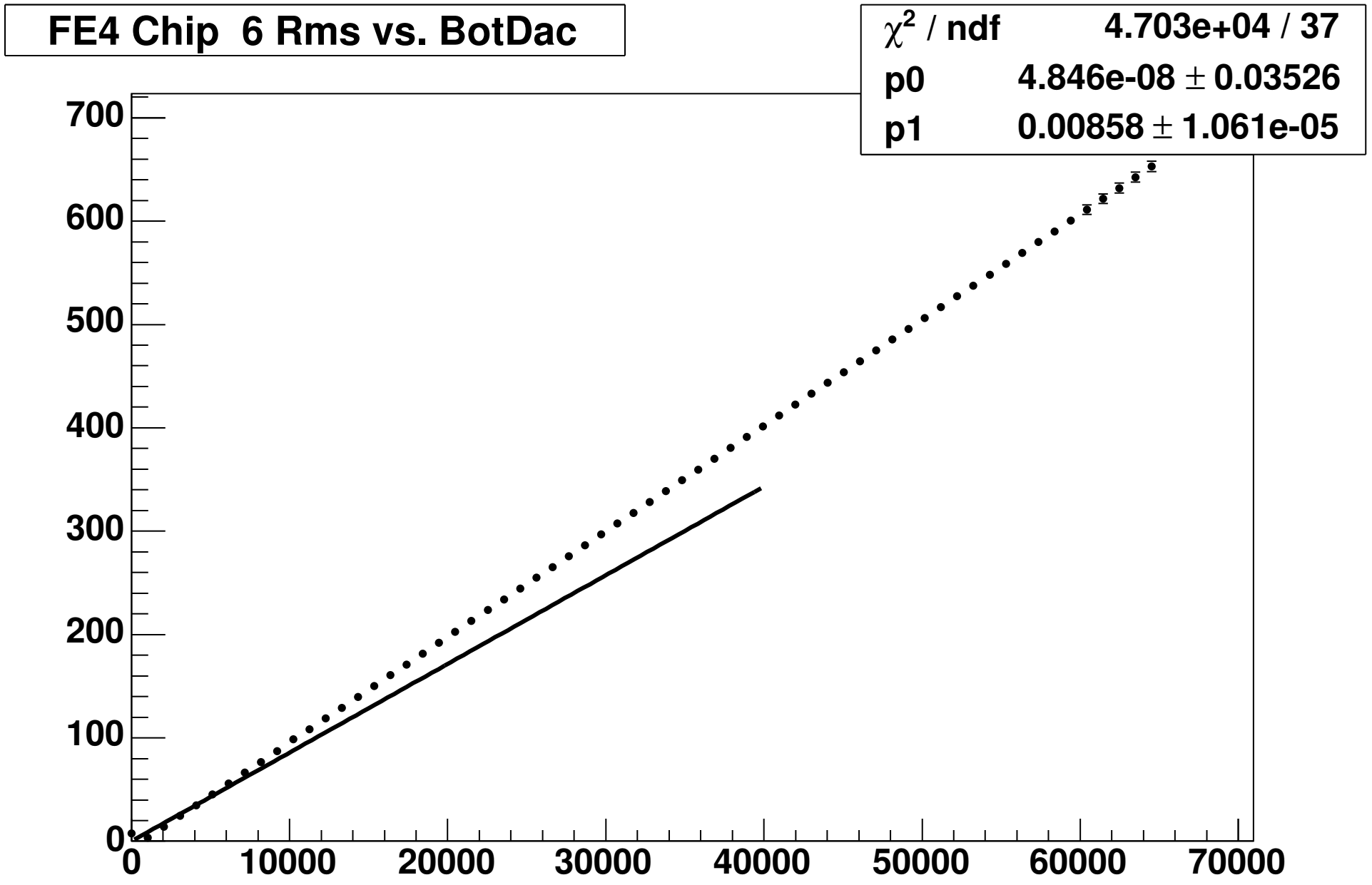
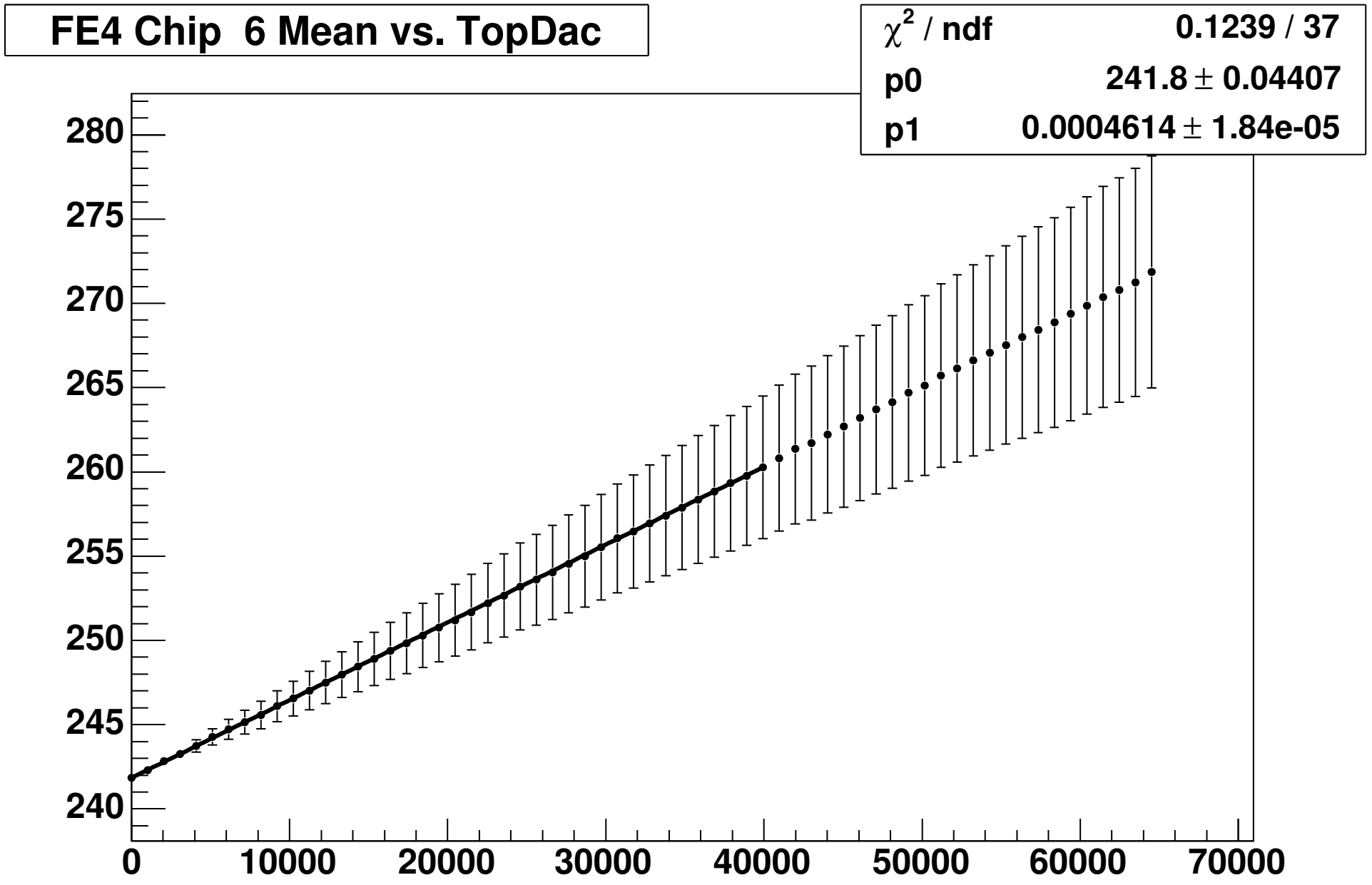

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 10.72 / 37
p0 85.92 ± 0.0445
p1 0.2285 ± 1.841e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 4.703e+04 / 37
p0 4.846e-08 ± 0.03526
p1 0.00858 ± 1.061e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 0.1239 / 37
p0 241.8 ± 0.04407
p1 0.0004614 ± 1.84e-05
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275
270
265
260
255
250
245
240
0
10000
20000
30000
40000
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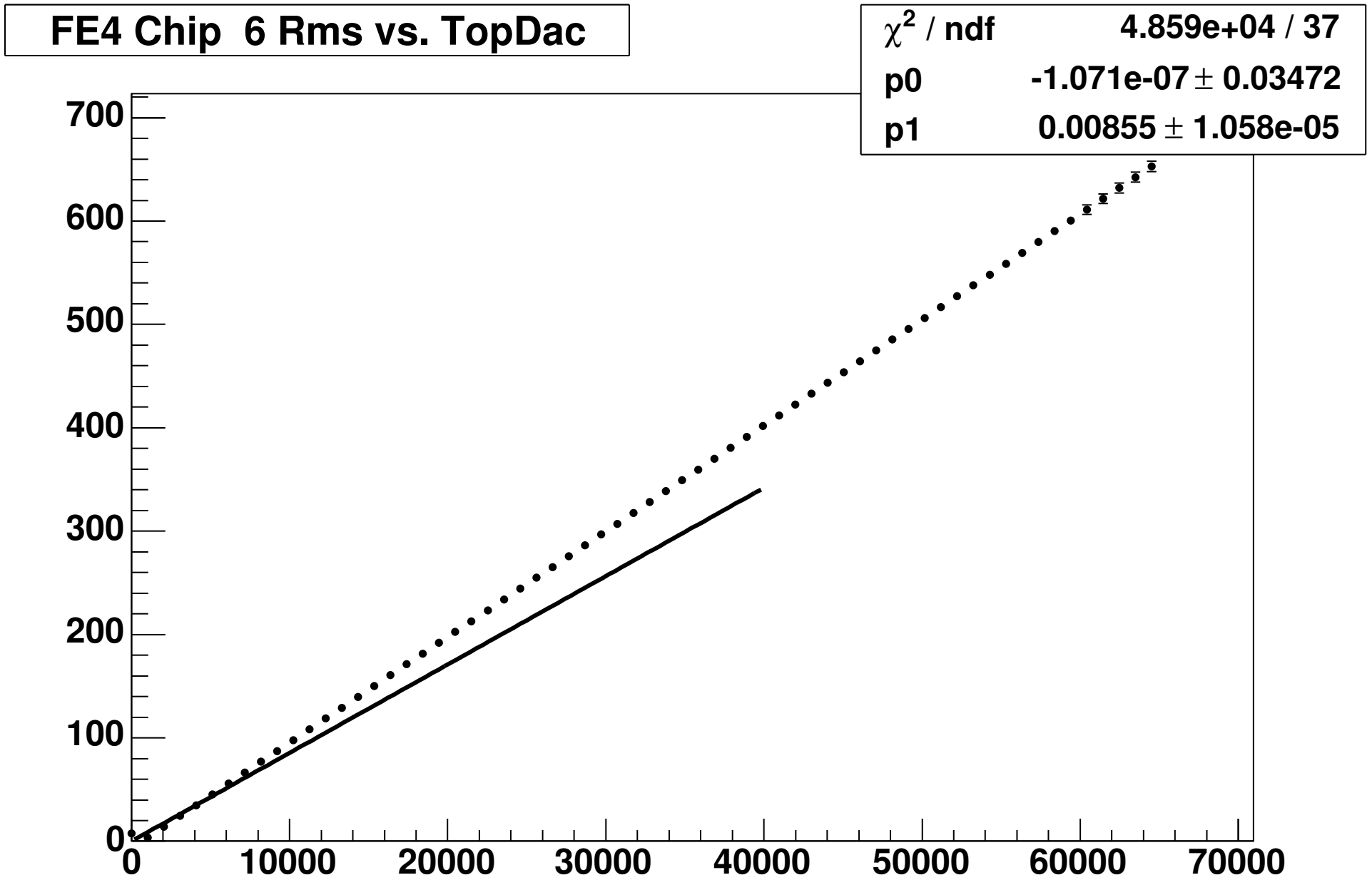
FE4 Chip 6 Rms vs. TopDac
χ² / ndf 4.859e+04 / 37
p0 -1.071e-07 ± 0.03472
p1 0.00855 ± 1.058e-05
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600
500
400
300
200
100
0
0
10000
20000
30000
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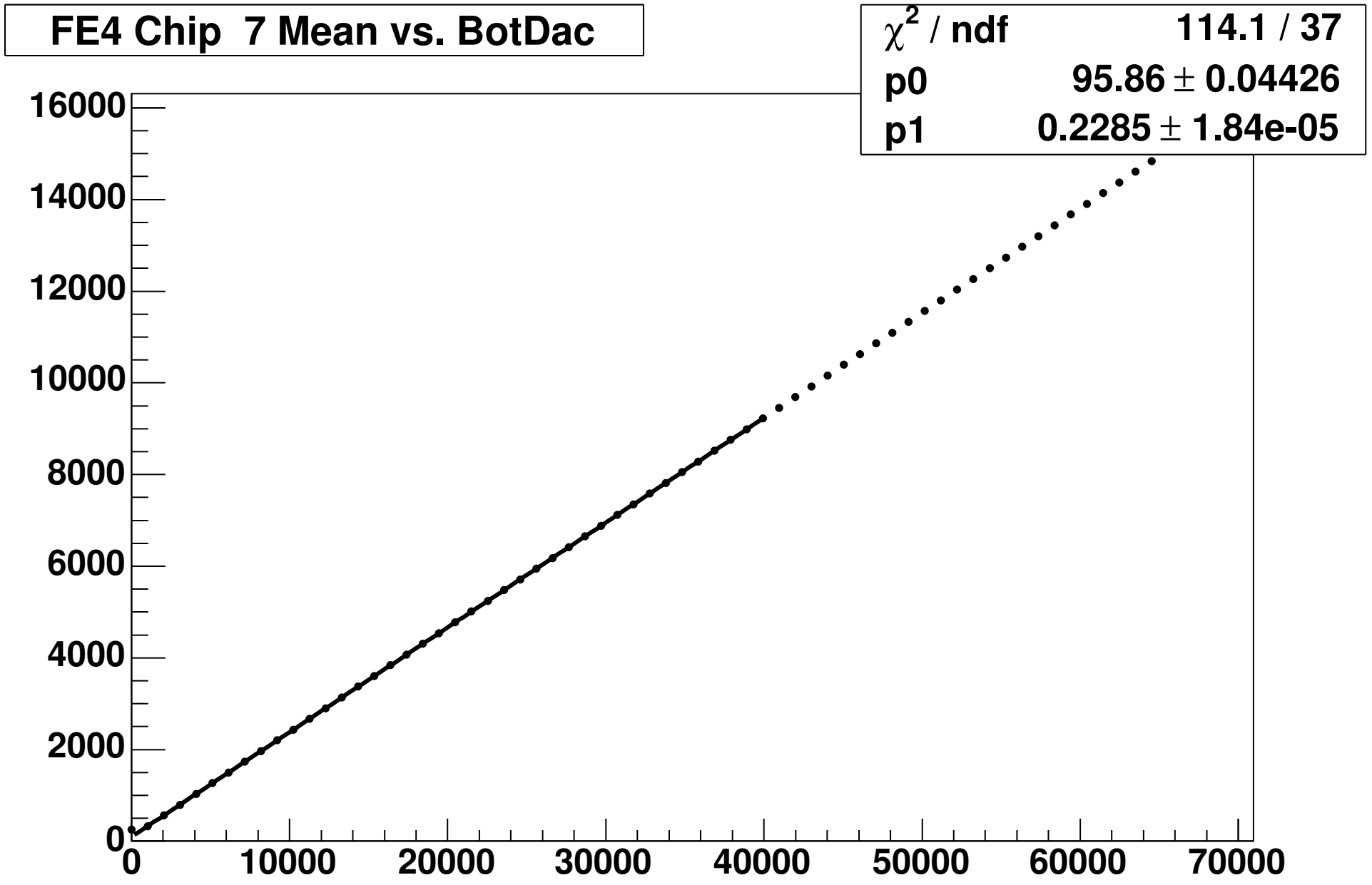
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 114.1 / 37
p0 95.86 ± 0.04426
p1 0.2285 ± 1.84e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
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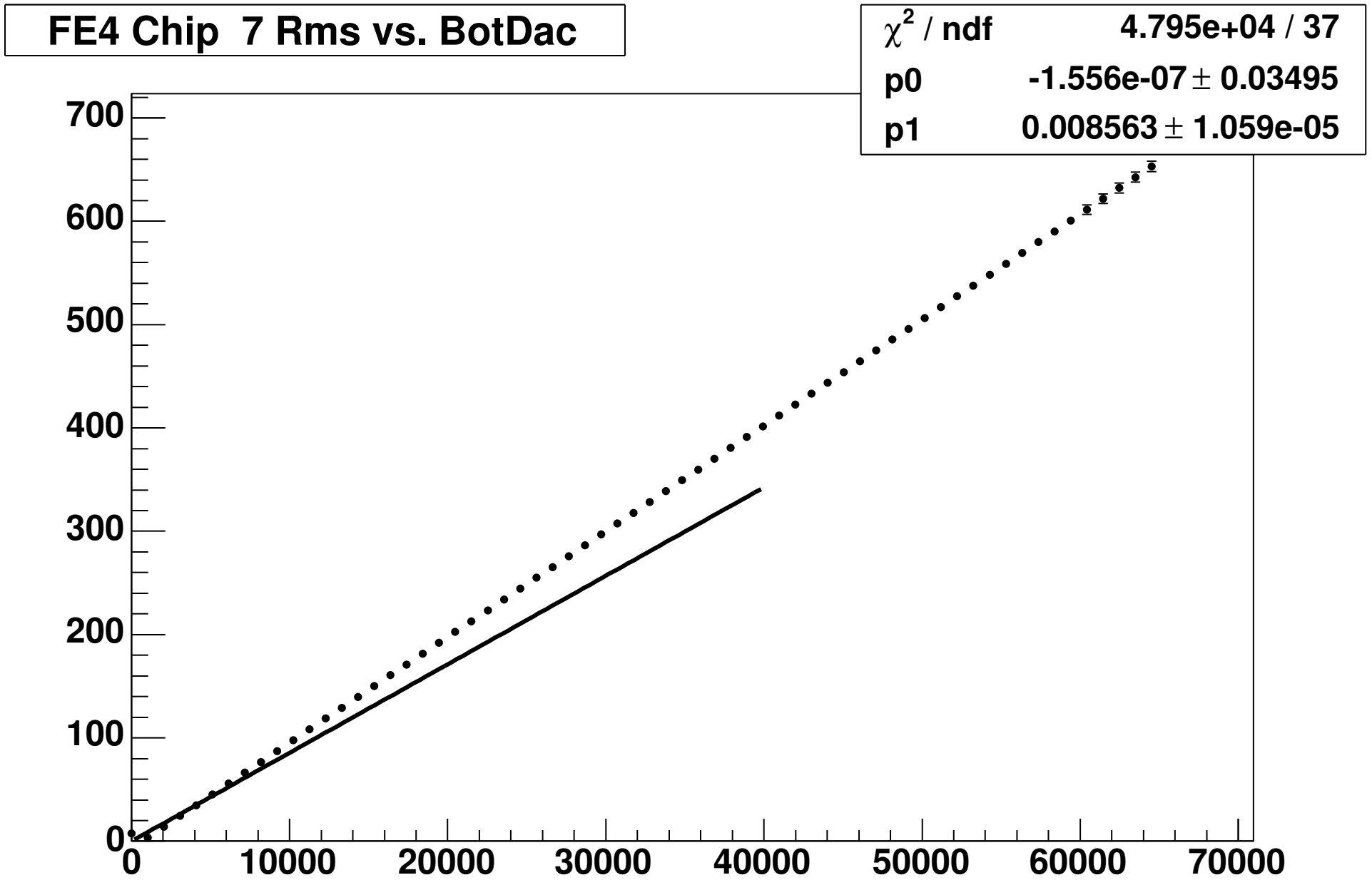
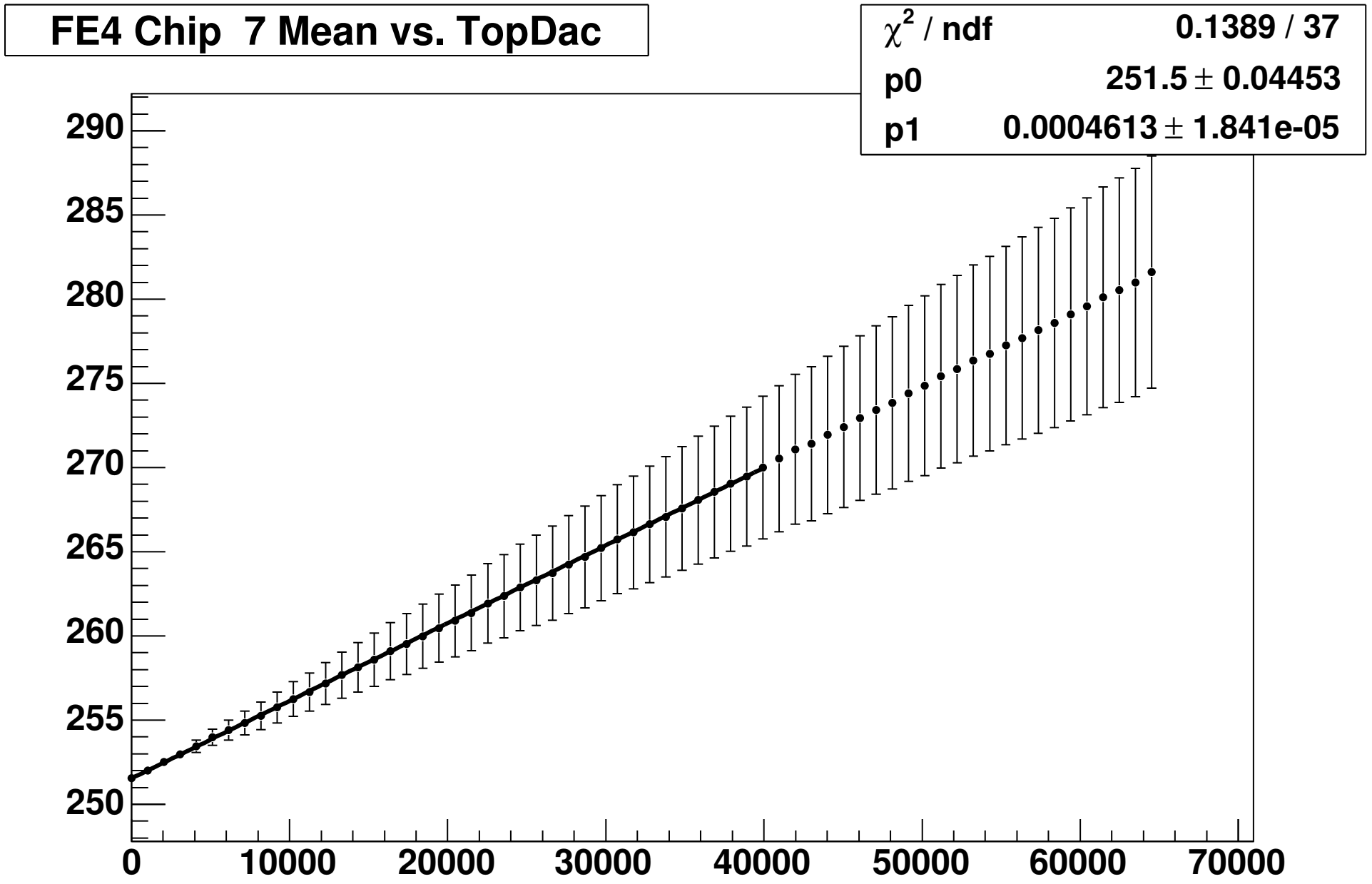
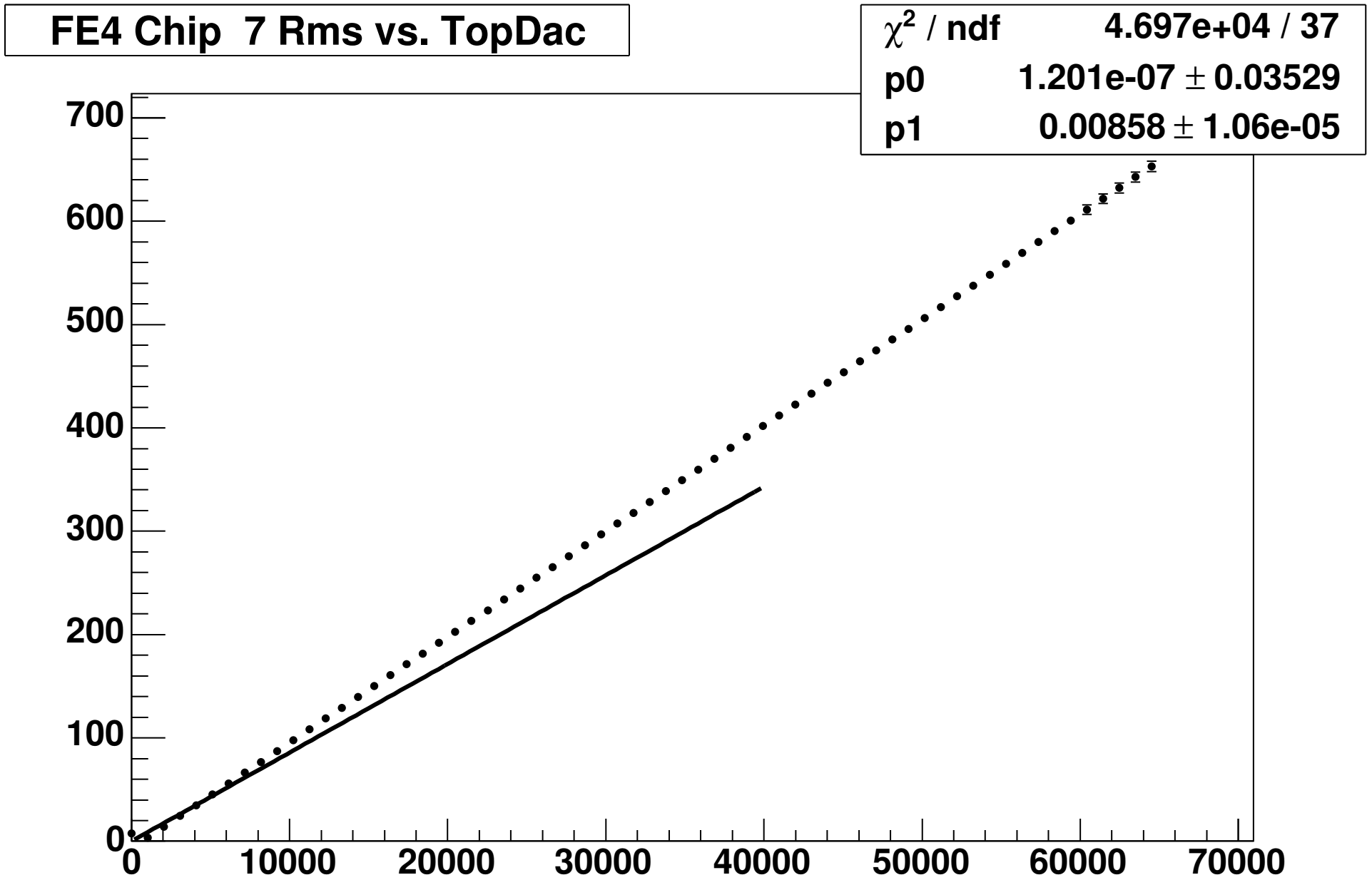
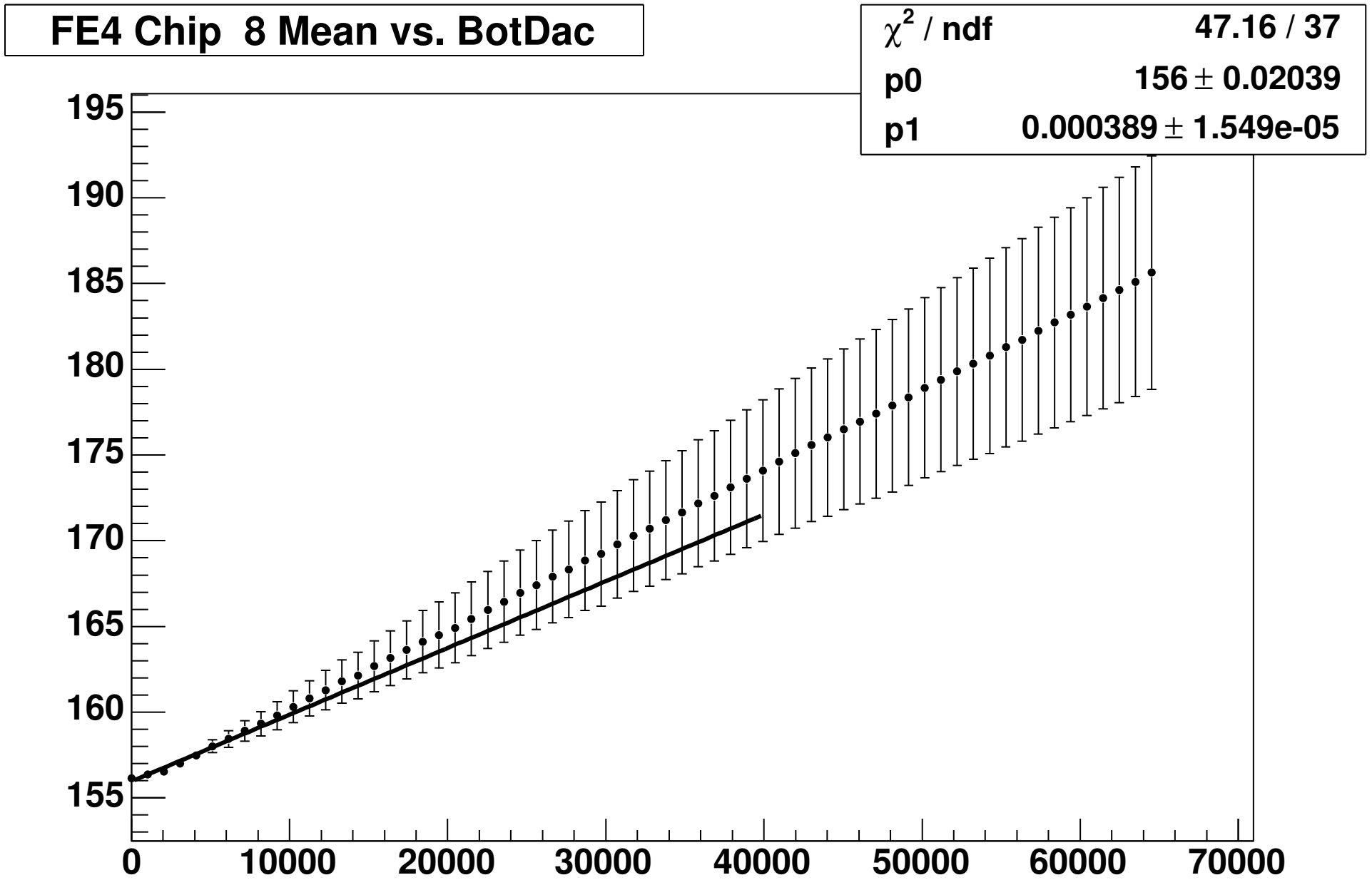
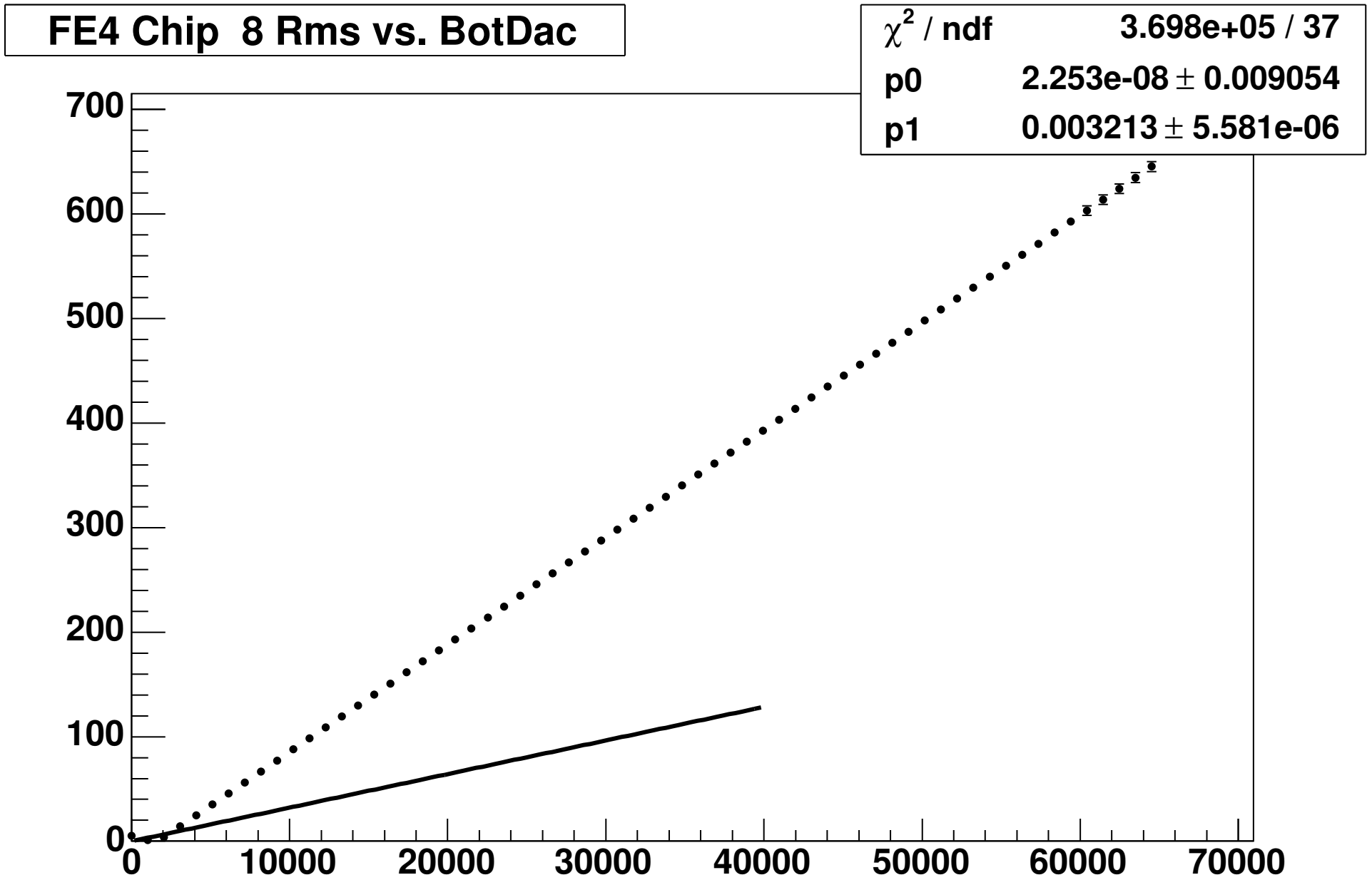

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 4.795e+04 / 37
p0 -1.556e-07 ± 0.03495
p1 0.008563 ± 1.059e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 0.1389 / 37
p0 251.5 ± 0.04453
p1 0.0004613 ± 1.841e-05
290
285
280
275
270
265
260
255
250
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 4.697e+04 / 37
p0 1.201e-07 ± 0.03529
p1 0.00858 ± 1.06e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 47.16 / 37
p0 156 ± 0.02039
p1 0.000389 ± 1.549e-05
195
190
185
180
175
170
165
160
155
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 3.698e+05 / 37
p0 2.253e-08 ± 0.009054
p1 0.003213 ± 5.581e-06
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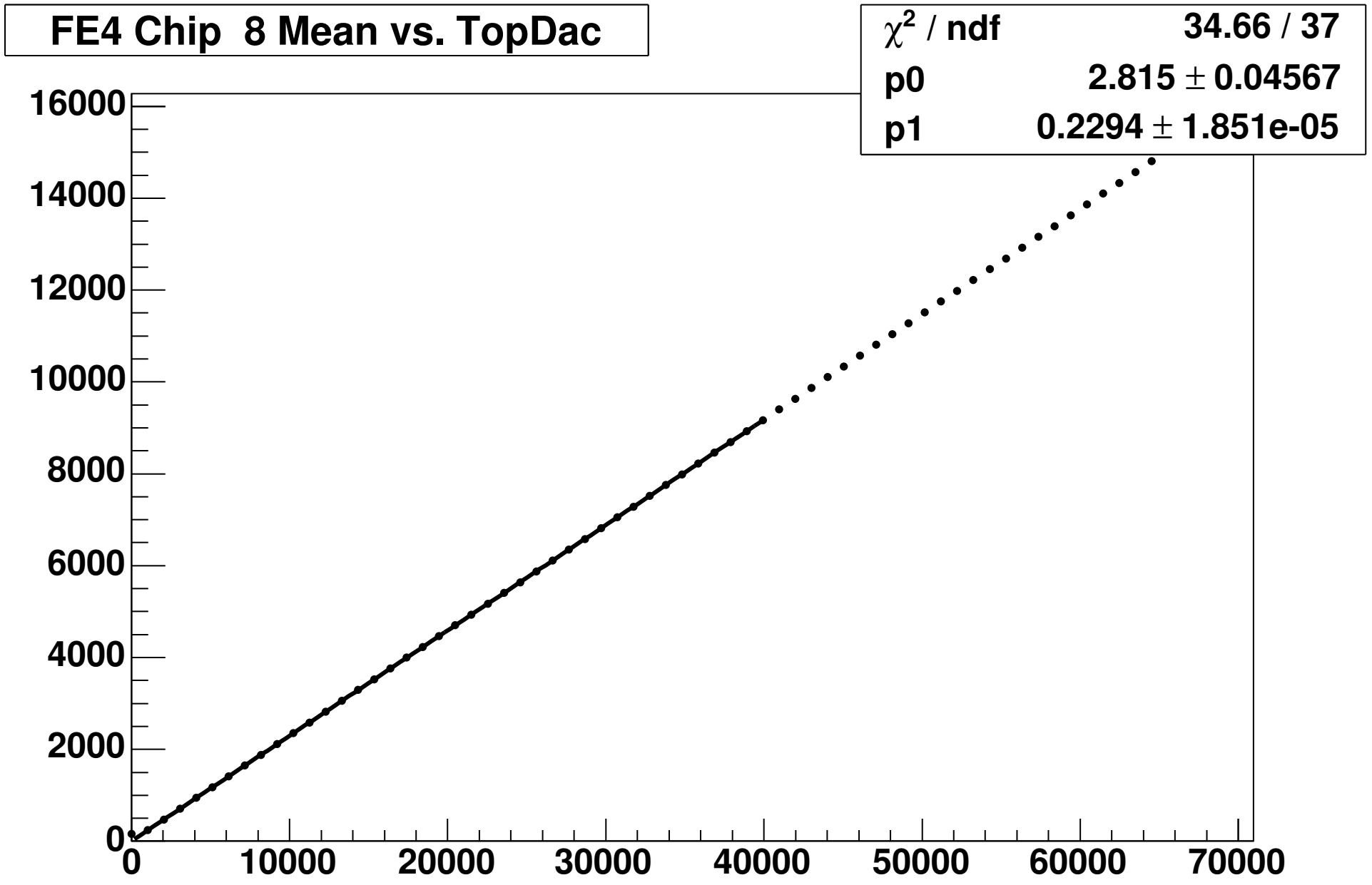
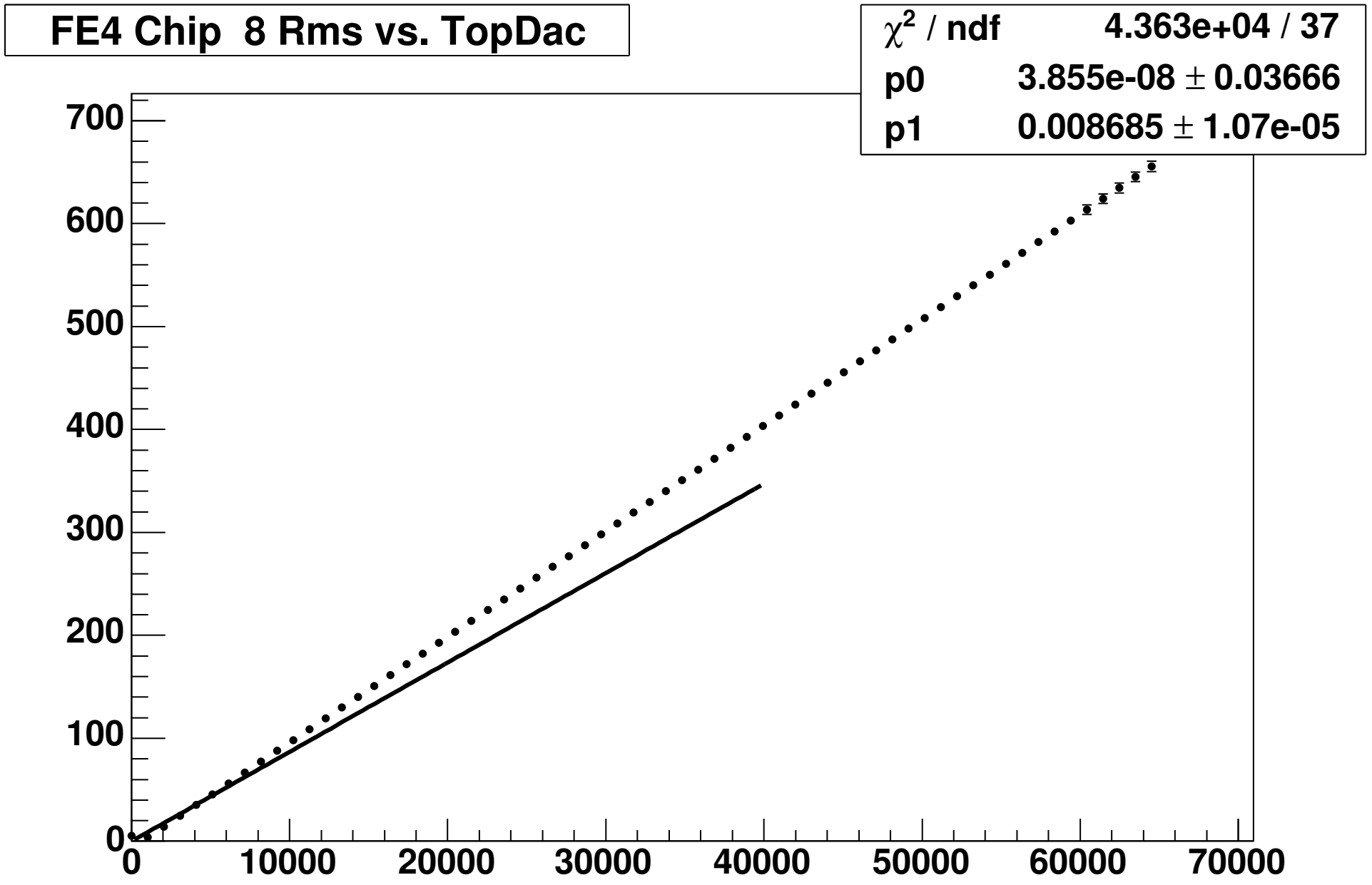
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 34.66 / 37
p0 2.815 ± 0.04567
p1 0.2294 ± 1.851e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 4.363e+04 / 37
p0 3.855e-08 ± 0.03666
p1 0.008685 ± 1.07e-05
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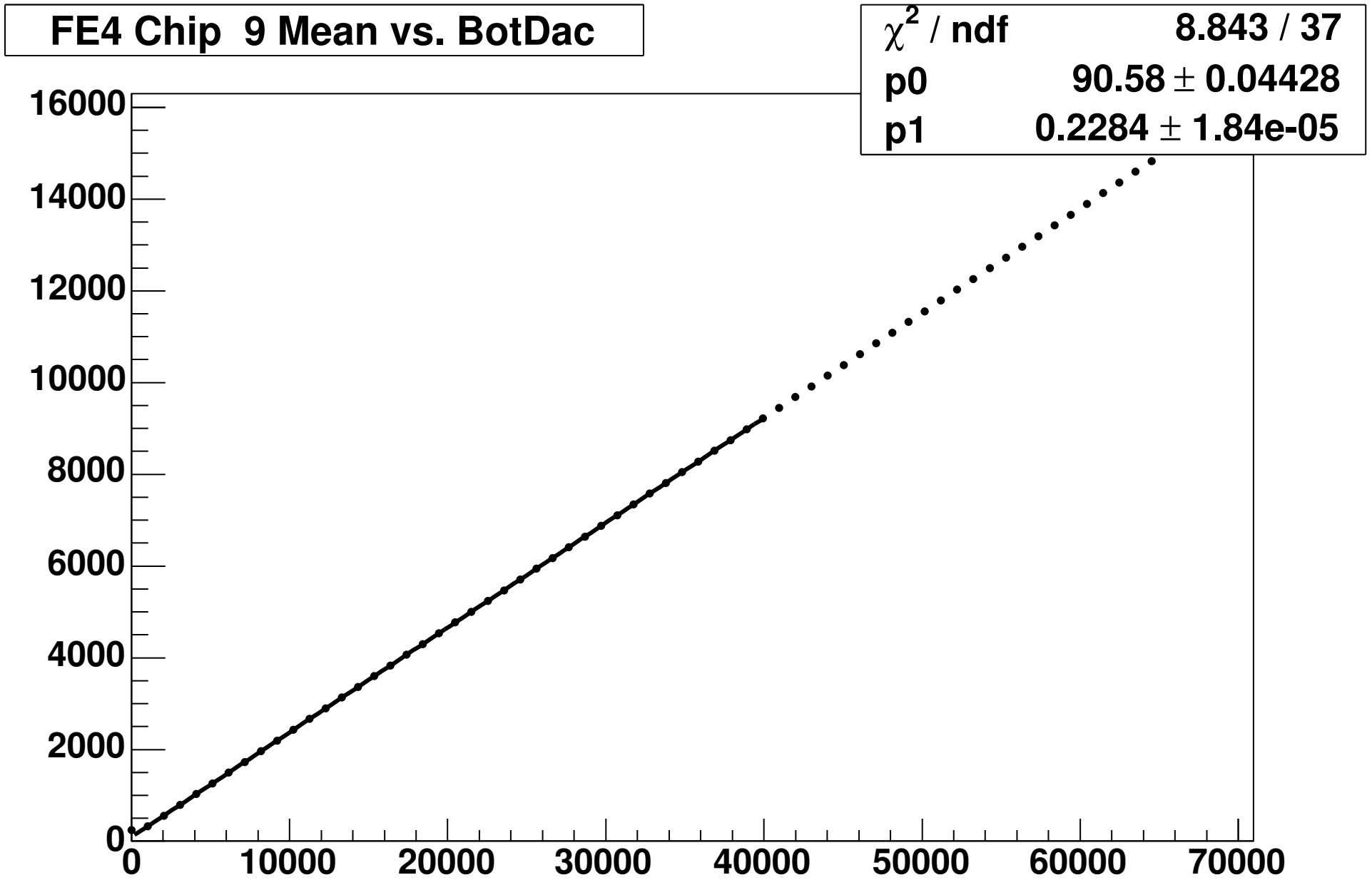
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 8.843 / 37
p0 90.58 ± 0.04428
p1 0.2284 ± 1.84e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
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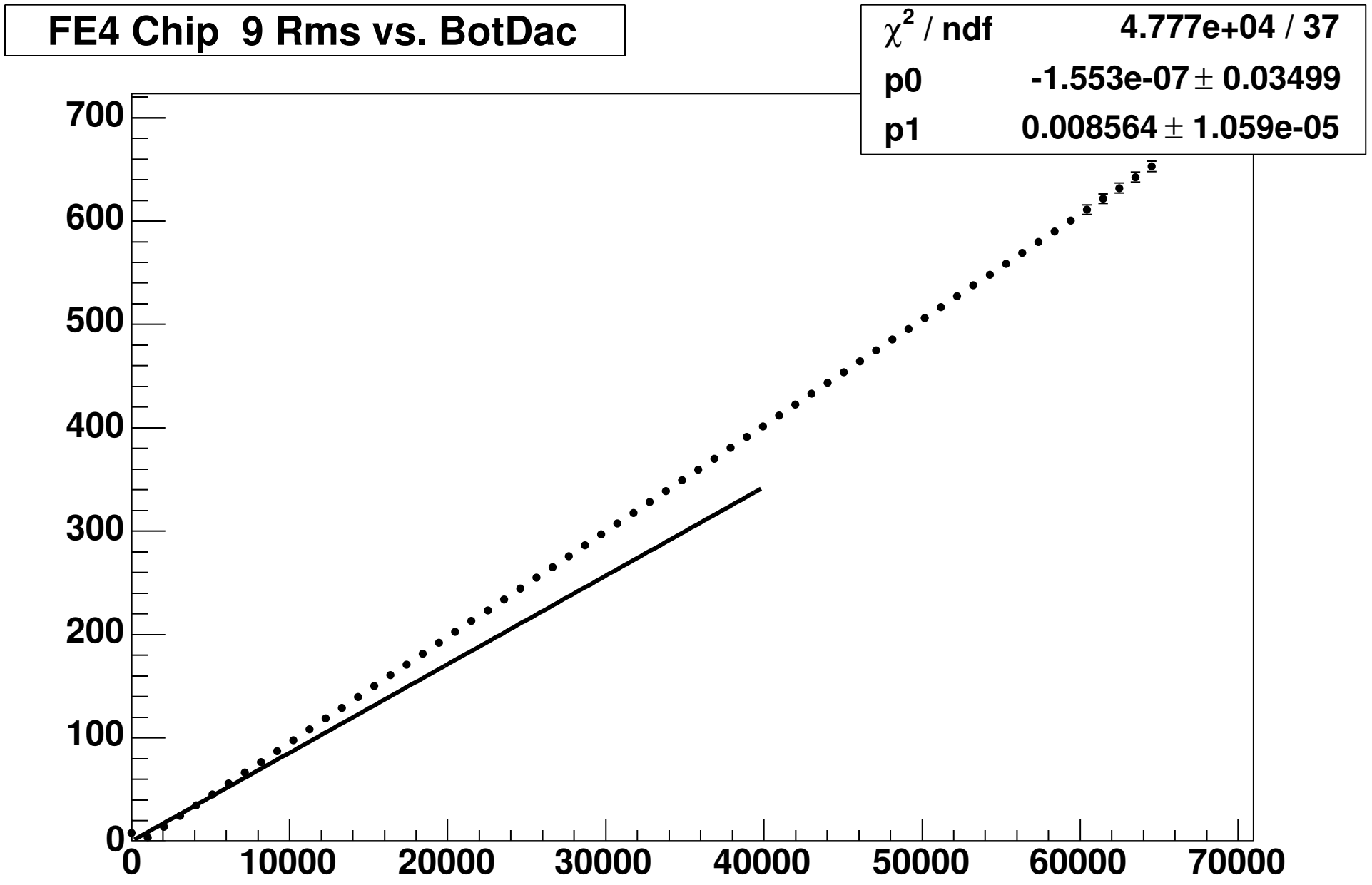
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 4.777e+04 / 37
p0 -1.553e-07 ± 0.03499
p1 0.008564 ± 1.059e-05
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500
400
300
200
100
0
0
10000
20000
30000
40000
50000
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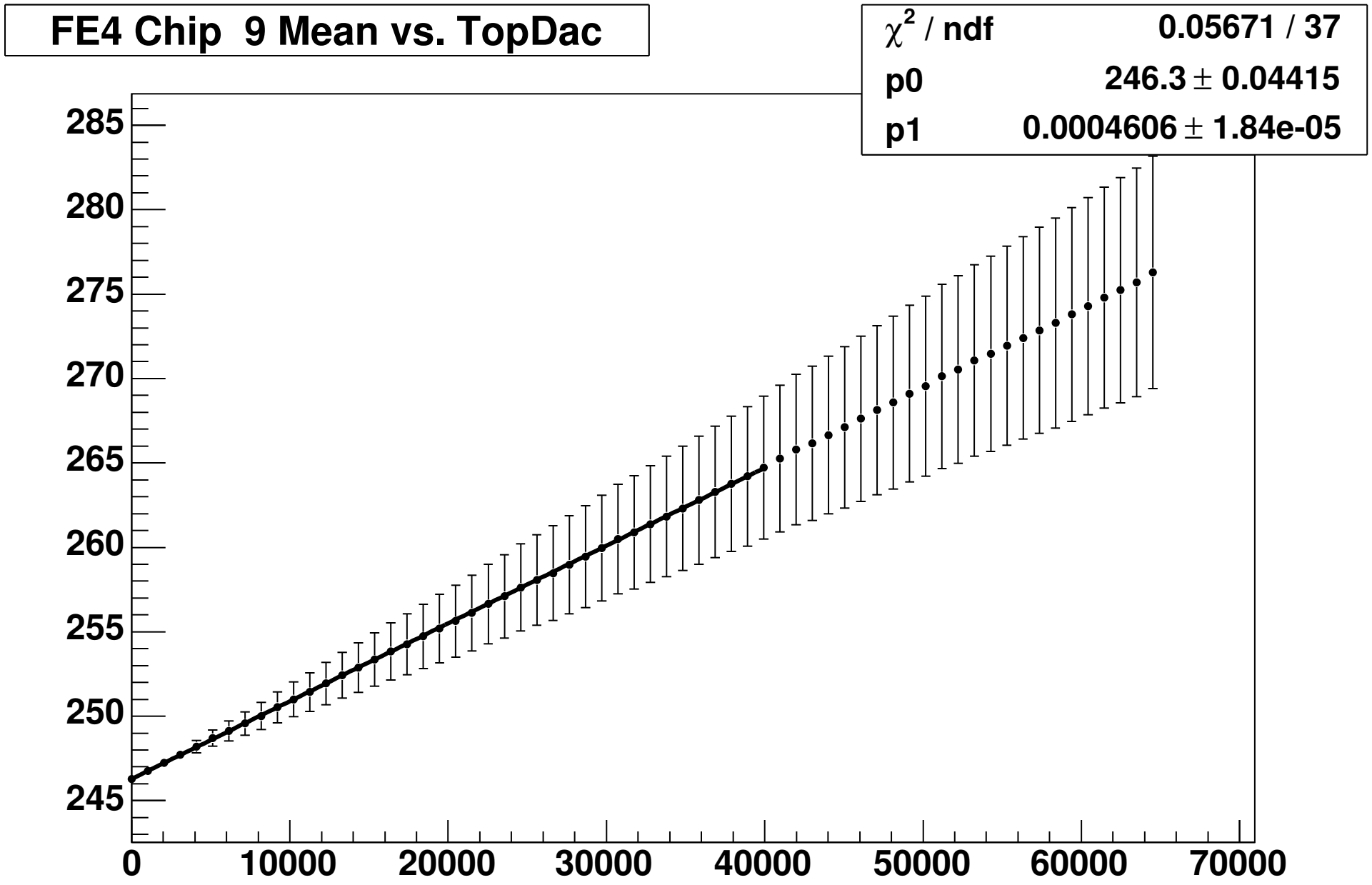
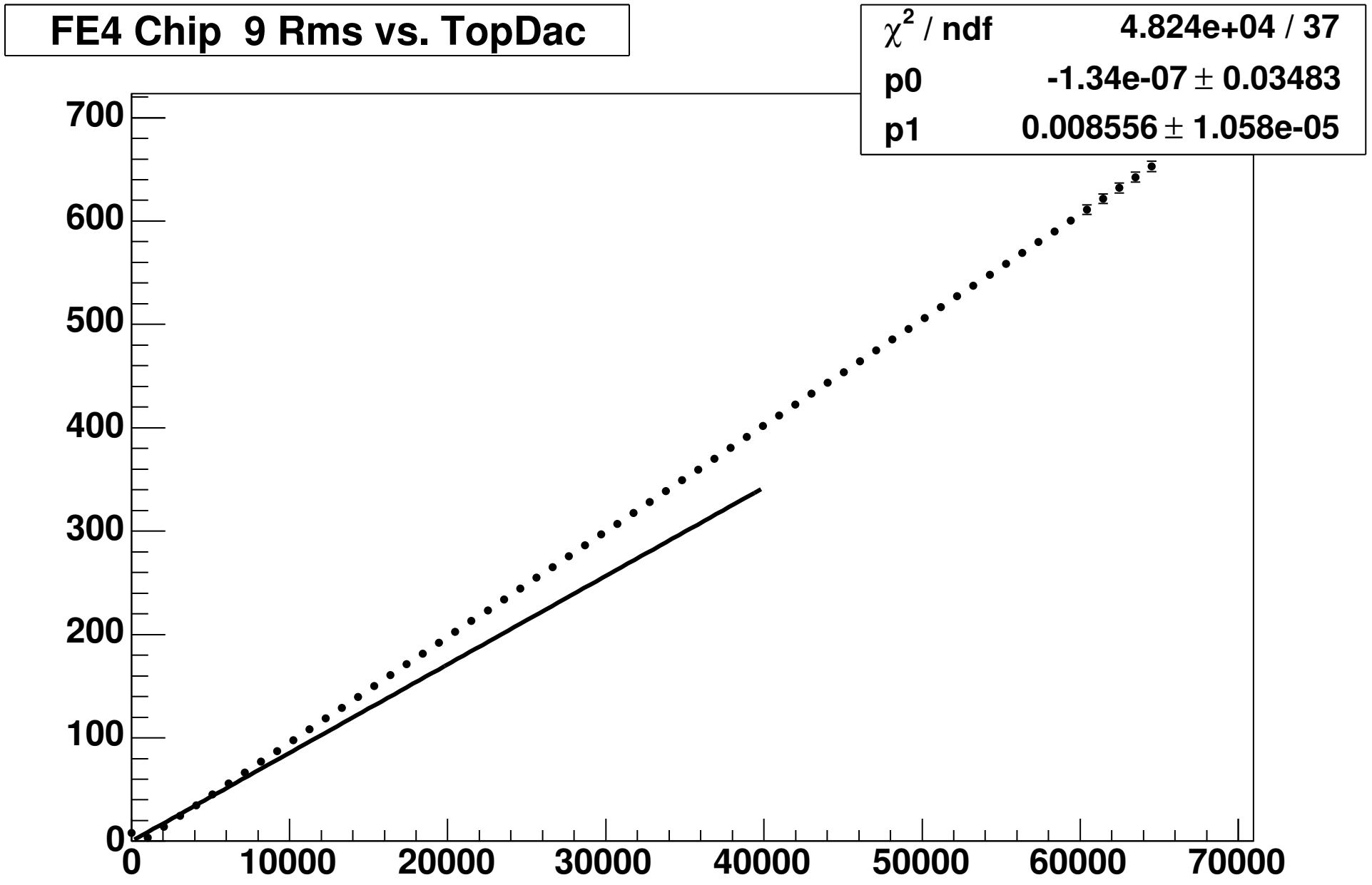

FE4 Chip 9 Mean vs. TopDac
χ² / ndf 0.05671 / 37
p0 246.3 ± 0.04415
p1 0.0004606 ± 1.84e-05
285
280
275
270
265
260
255
250
245
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 4.824e+04 / 37
p0 -1.34e-07 ± 0.03483
p1 0.008556 ± 1.058e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
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60000
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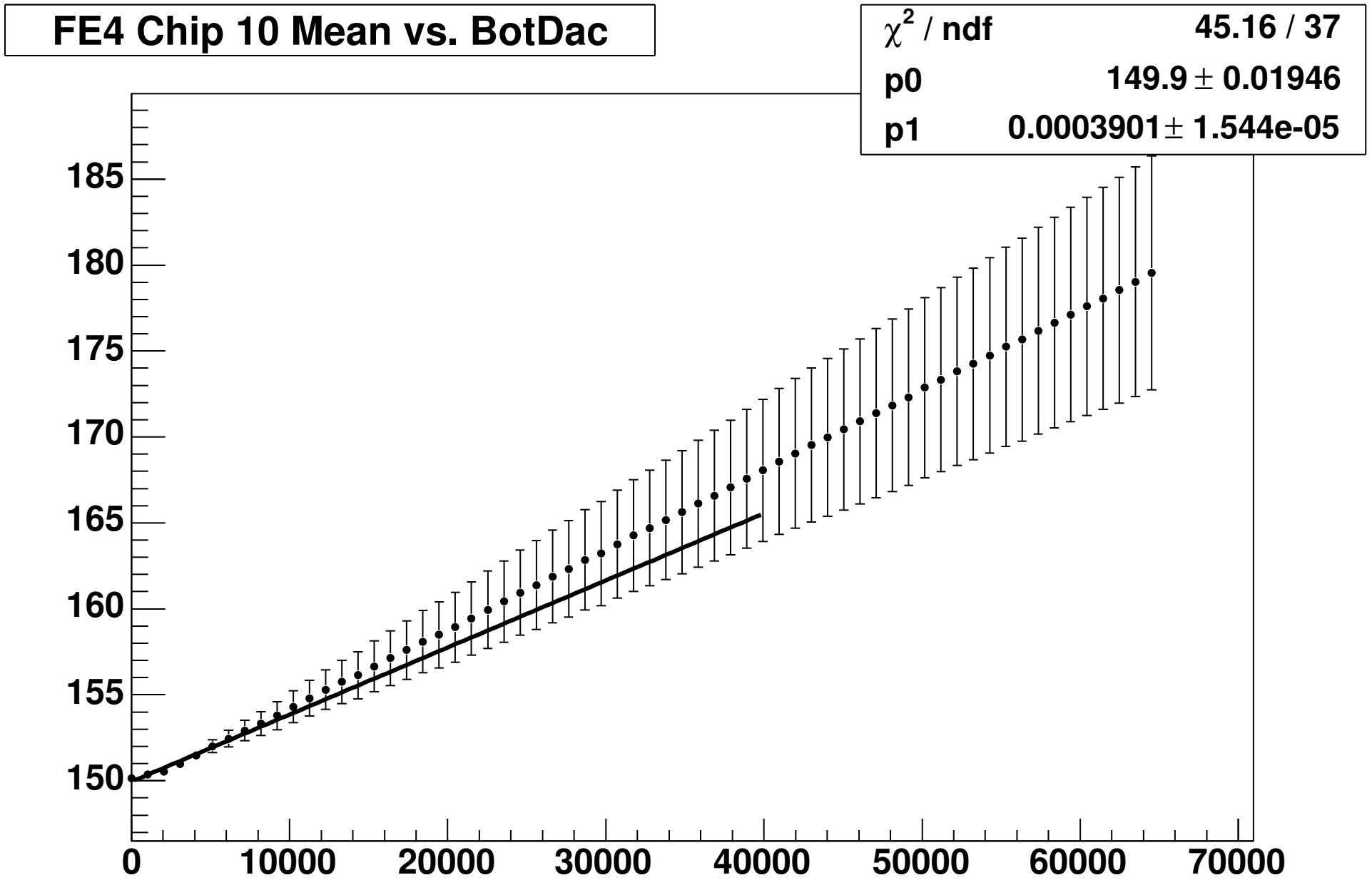
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 45.16 / 37
p0 149.9 ± 0.01946
p1 0.0003901 ± 1.544e-05
185
180
175
170
165
160
155
150
0
10000
20000
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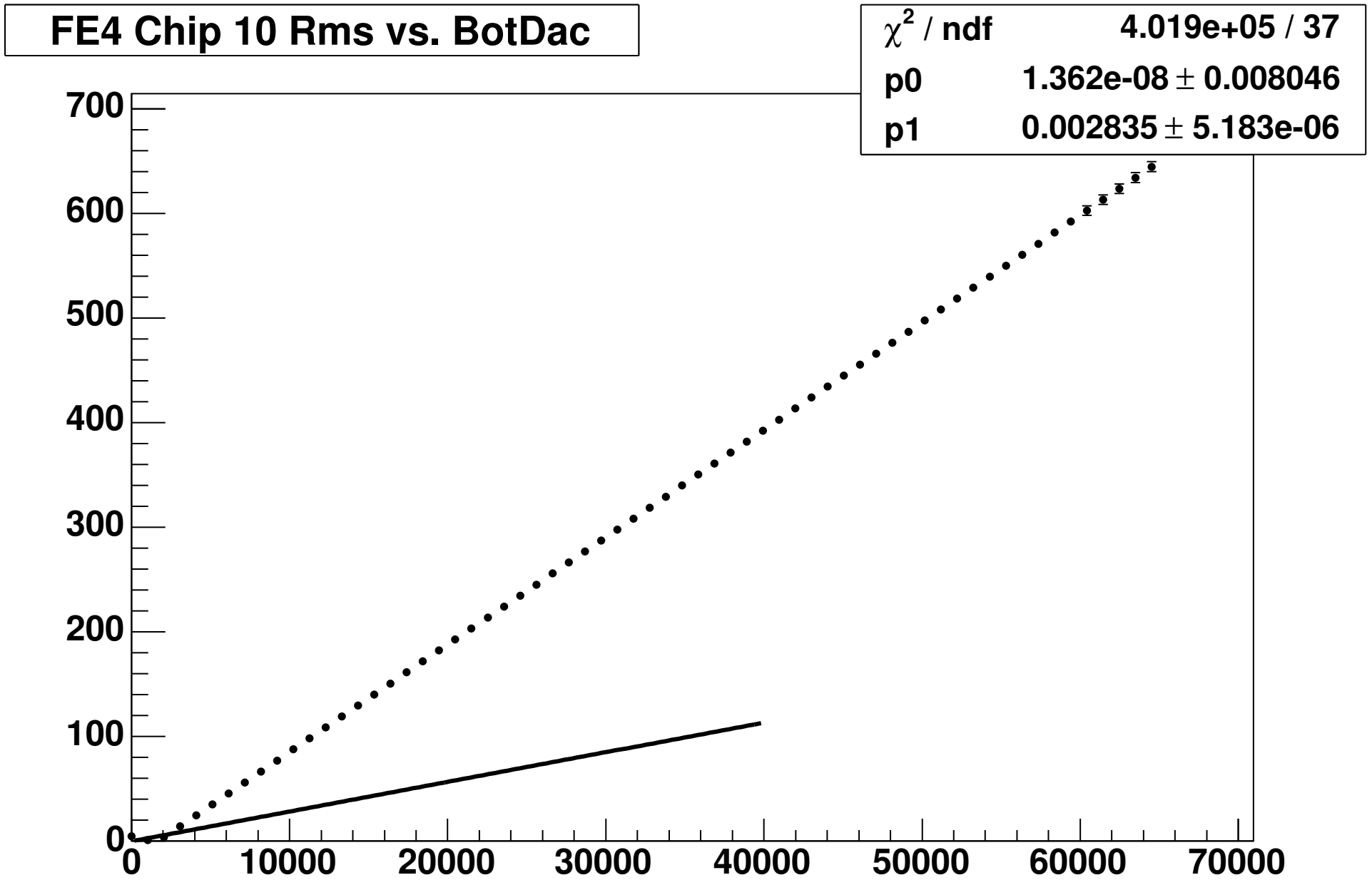
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 4.019e+05 / 37
p0 1.362e-08 ± 0.008046
p1 0.002835 ± 5.183e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
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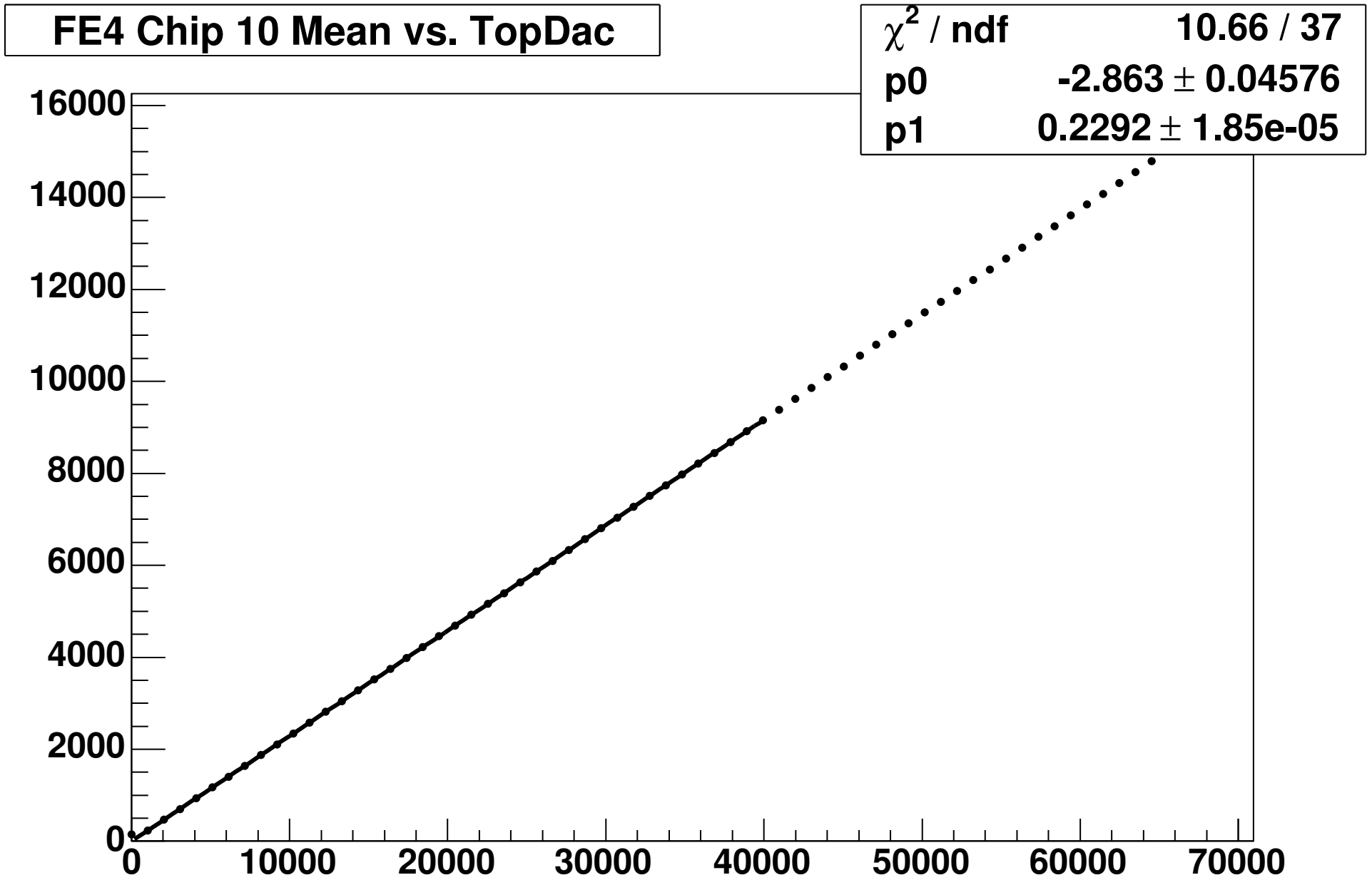
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 10.66 / 37
p0 -2.863 ± 0.04576
p1 0.2292 ± 1.85e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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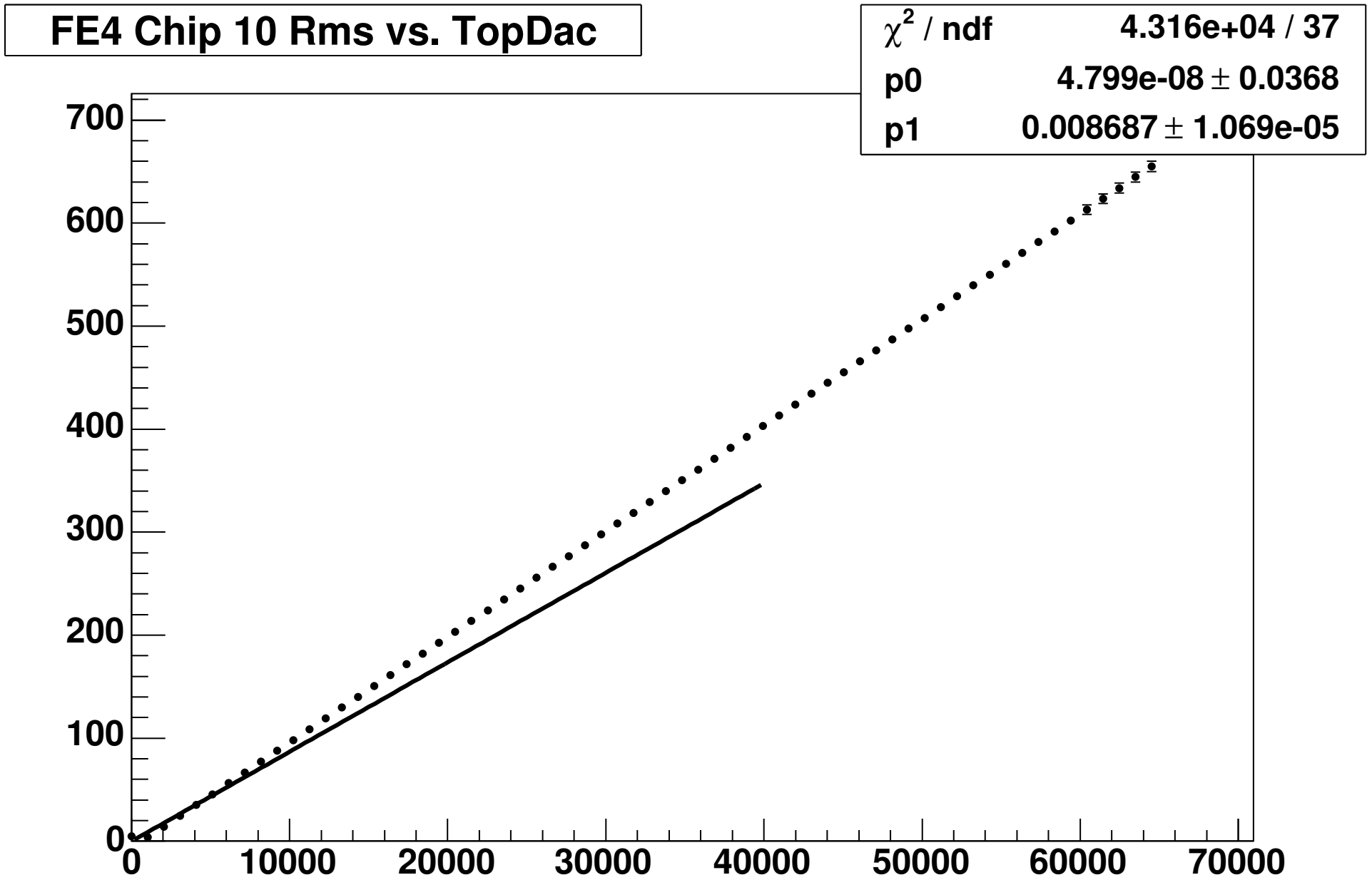
FE4 Chip 10 Rms vs. TopDac
χ² / ndf 4.316e+04 / 37
p0 4.799e-08 ± 0.0368
p1 0.008687 ± 1.069e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
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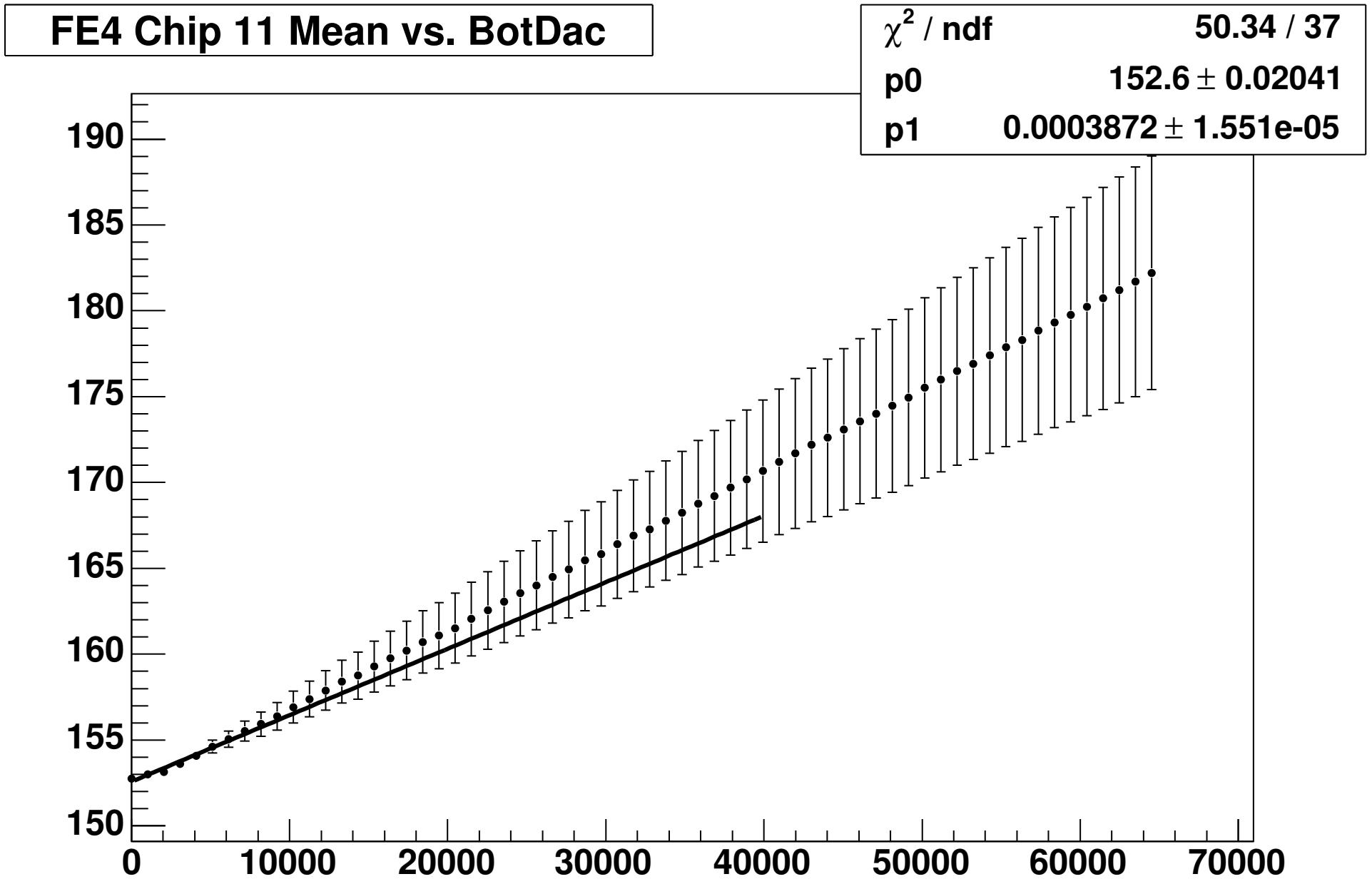
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 50.34 / 37
p0 152.6 ± 0.02041
p1 0.0003872 ± 1.551e-05
190
185
180
175
170
165
160
155
150
0
10000
20000
30000
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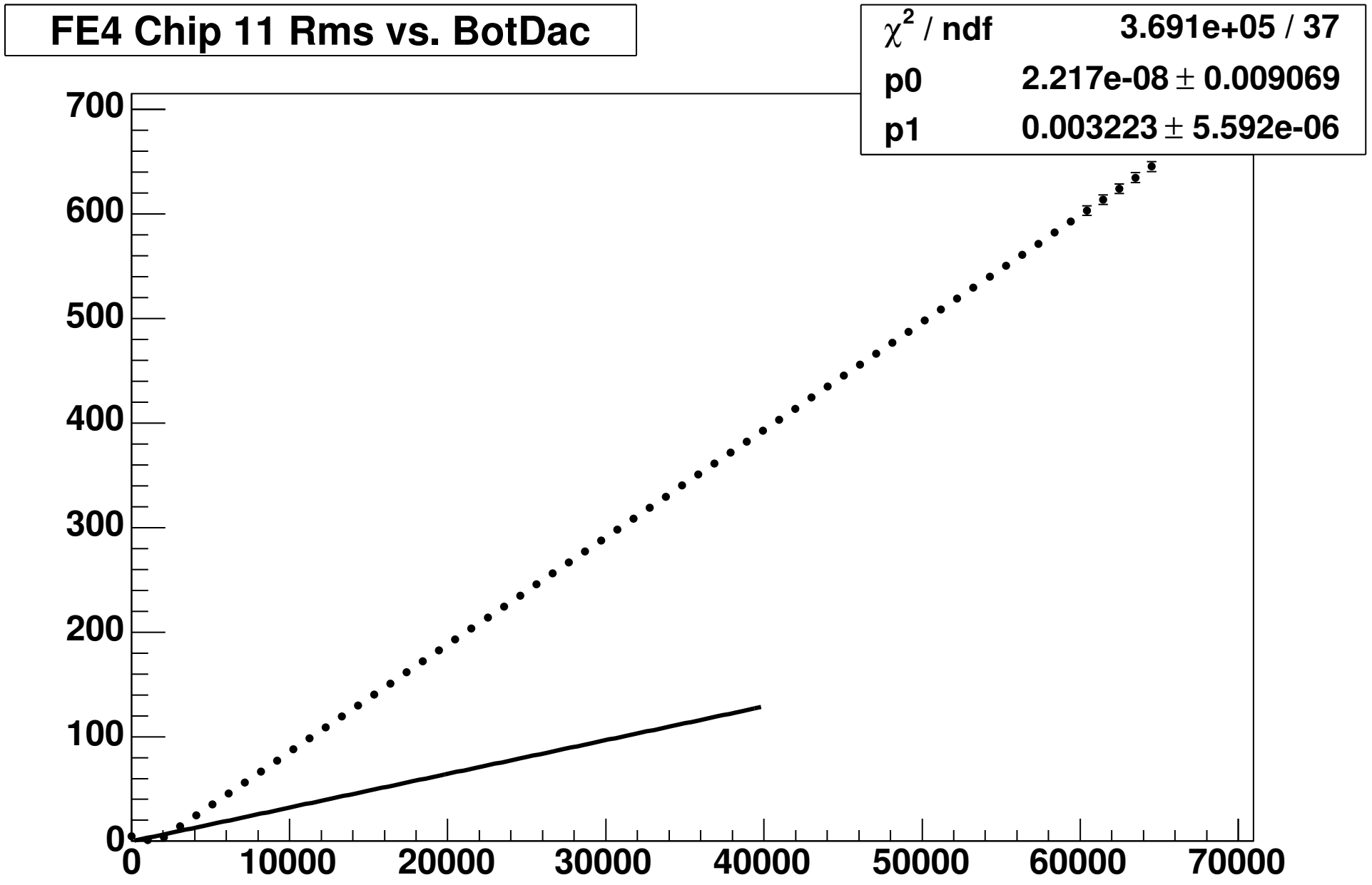
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 3.691e+05 / 37
p0 2.217e-08 ± 0.009069
p1 0.003223 ± 5.592e-06
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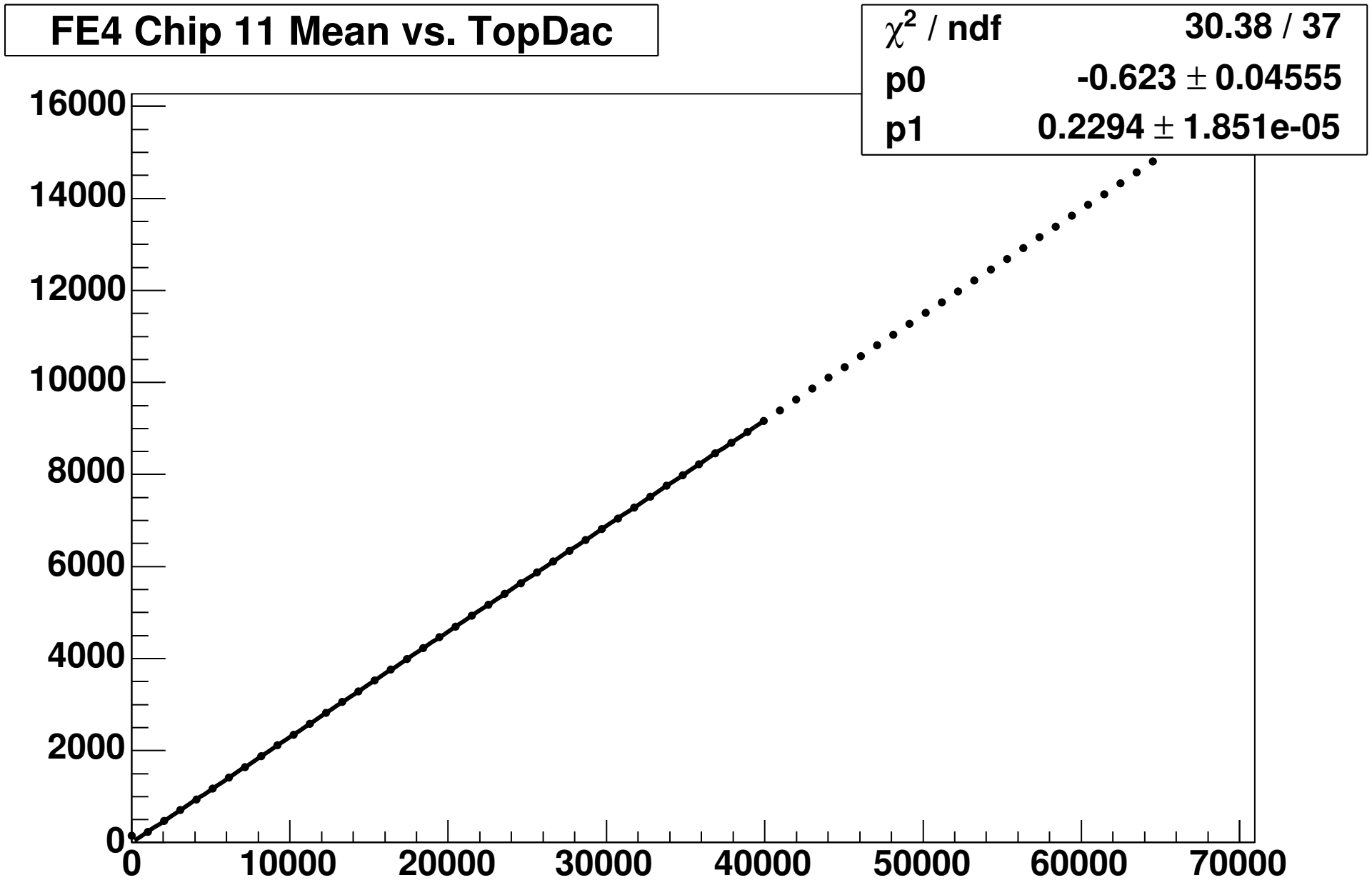
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 30.38 / 37
p0 -0.623 ± 0.04555
p1 0.2294 ± 1.851e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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50000
60000
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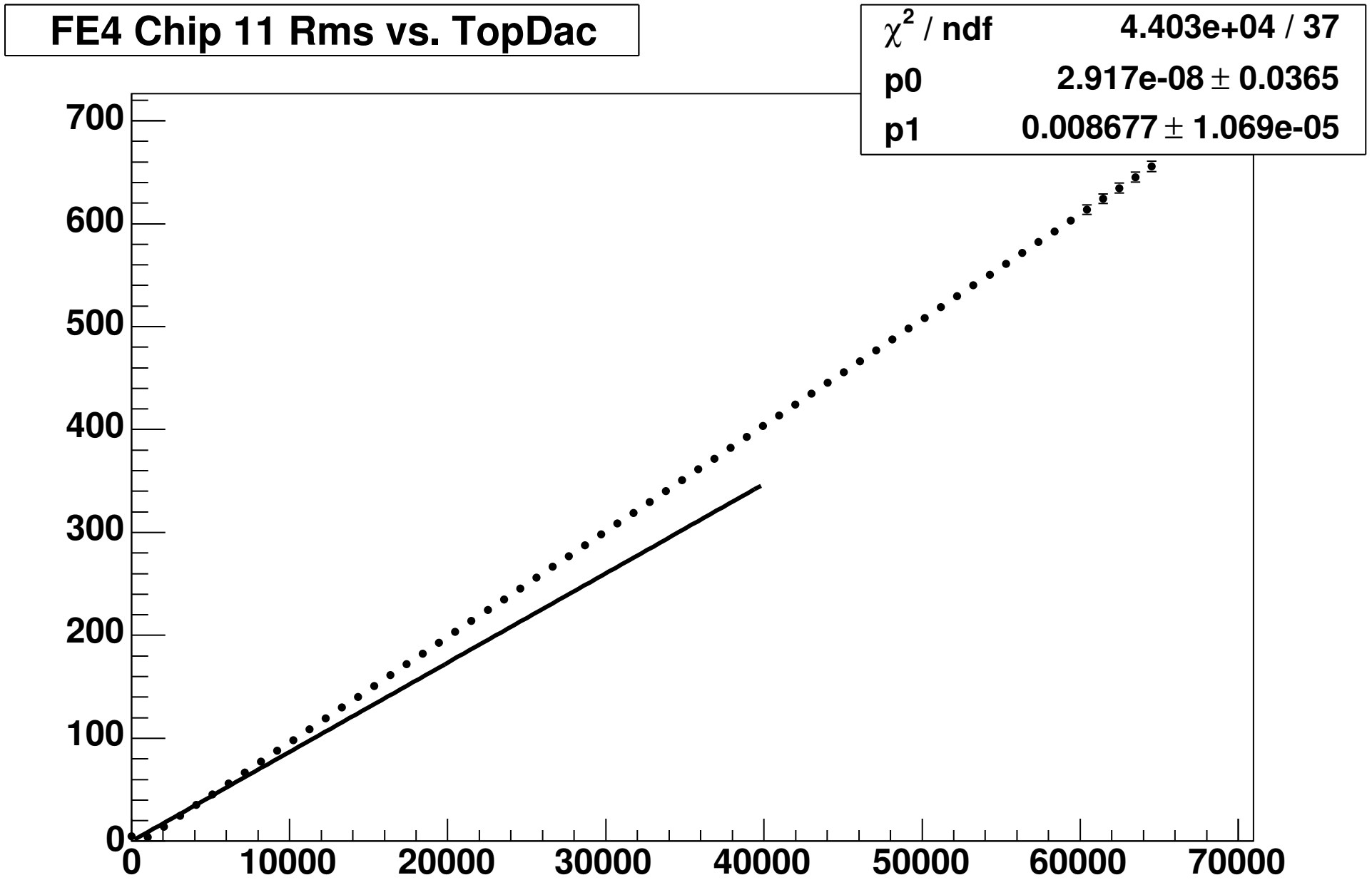
FE4 Chip 11 Rms vs. TopDac
χ² / ndf 4.403e+04 / 37
p0 2.917e-08 ± 0.0365
p1 0.008677 ± 1.069e-05
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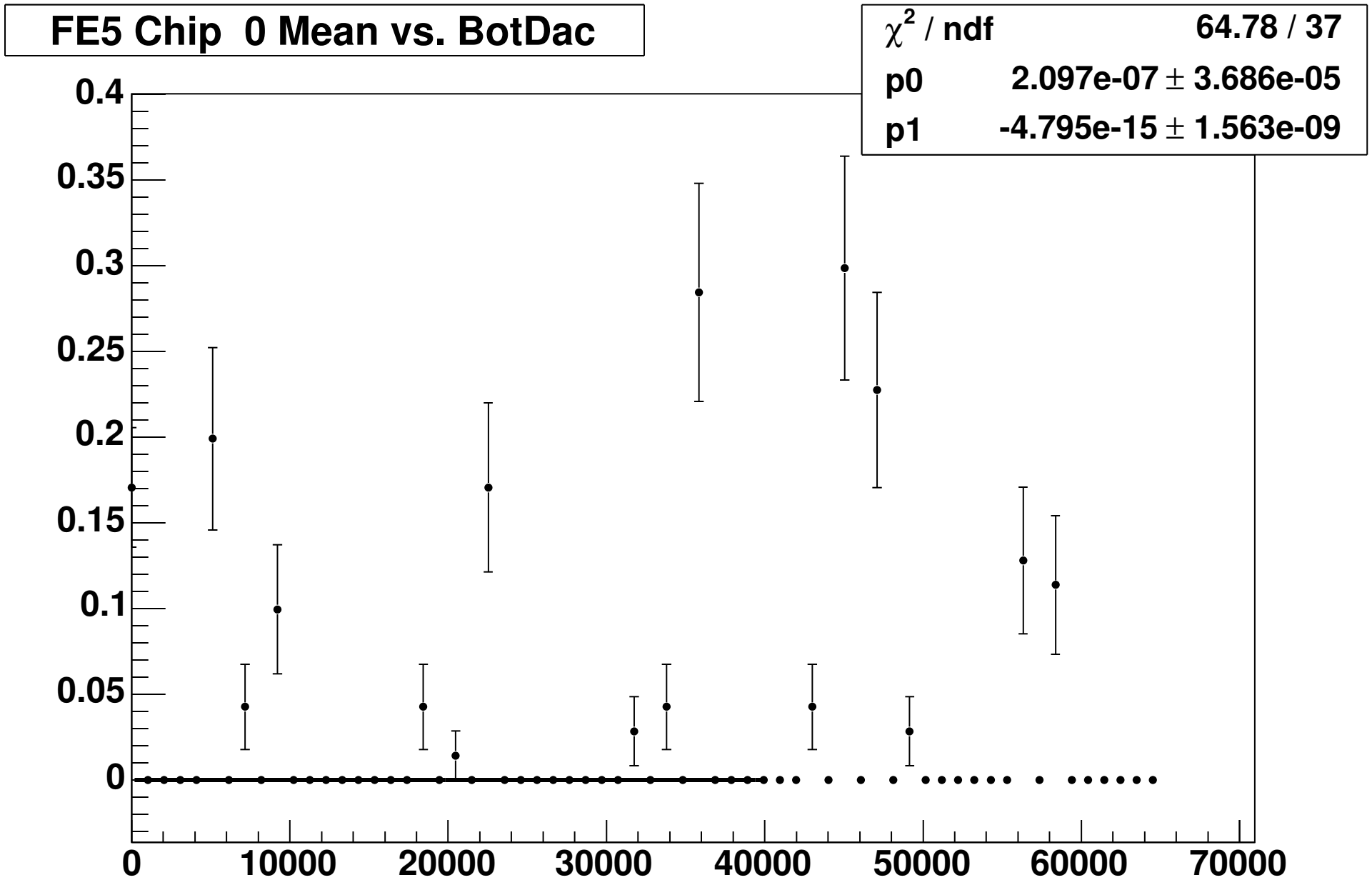
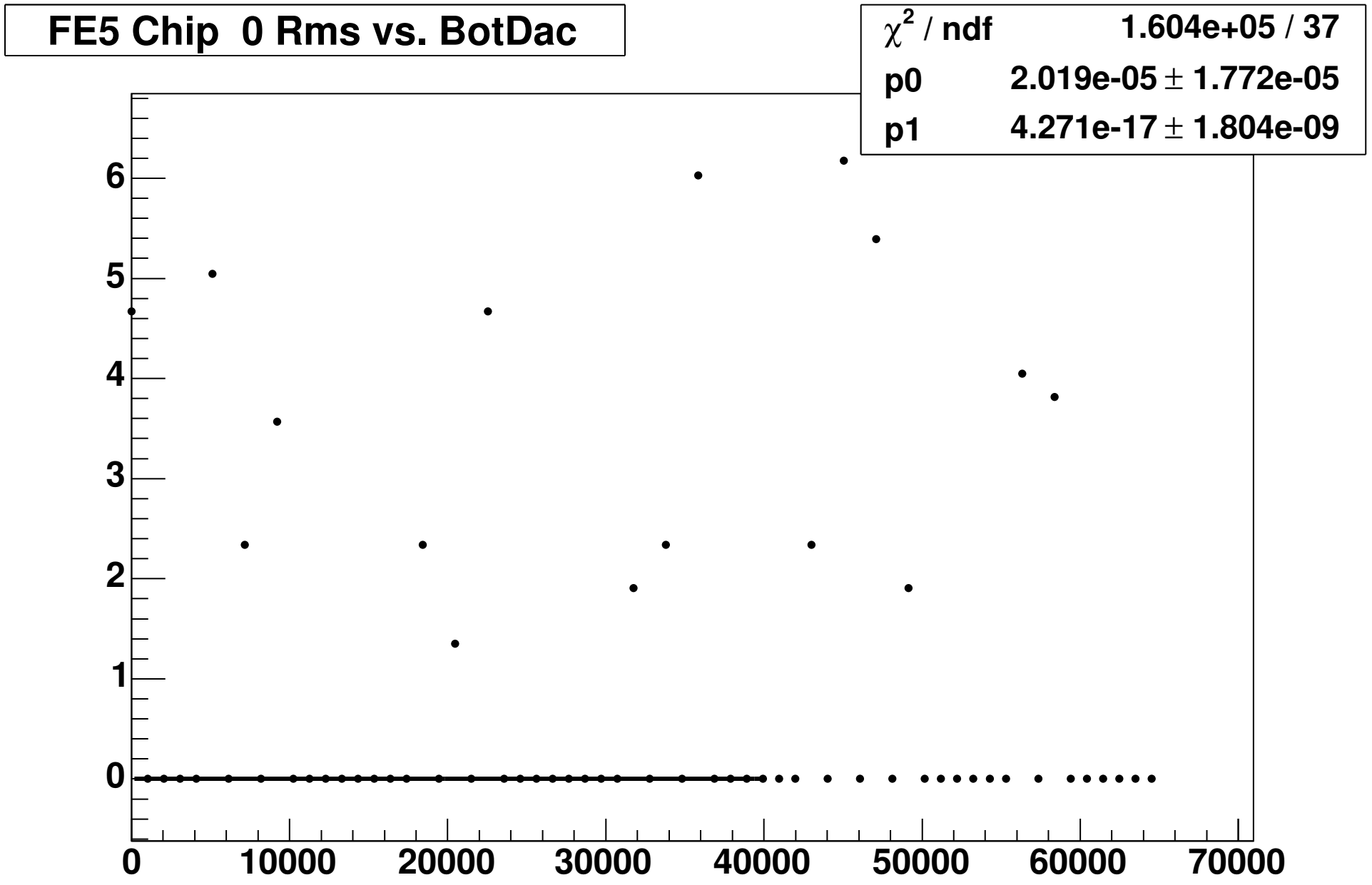
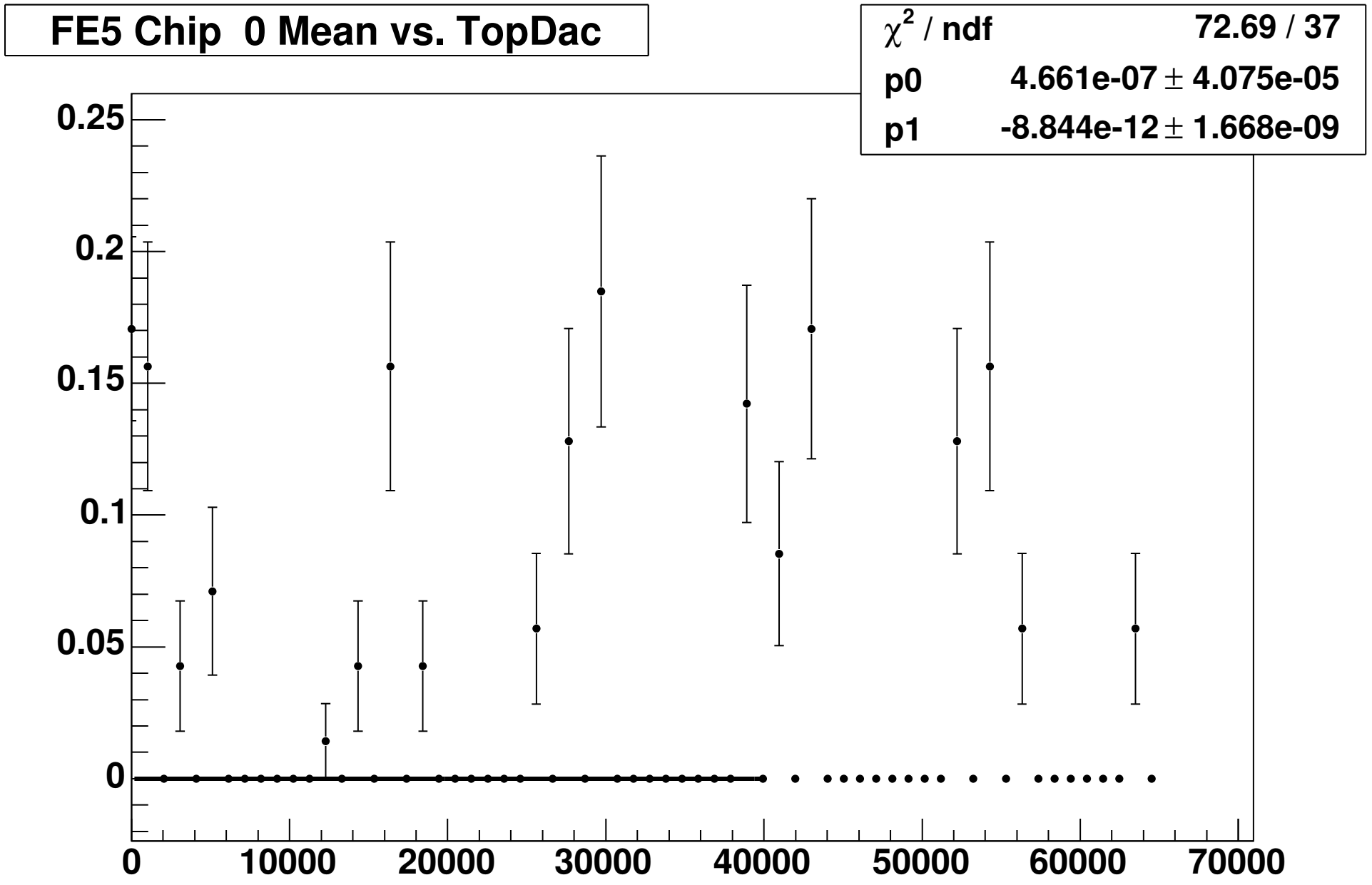
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 64.78 / 37
p0 2.097e-07 ± 3.686e-05
p1 -4.795e-15 ± 1.563e-09
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1.604e+05 / 37
p0 2.019e-05 ± 1.772e-05
p1 4.271e-17 ± 1.804e-09
0
1
2
3
4
5
6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 72.69 / 37
p0 4.661e-07 ± 4.075e-05
p1 -8.844e-12 ± 1.668e-09
0.25
0.2
0.15
0.1
0.05
0
0
10000
20000
30000
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50000
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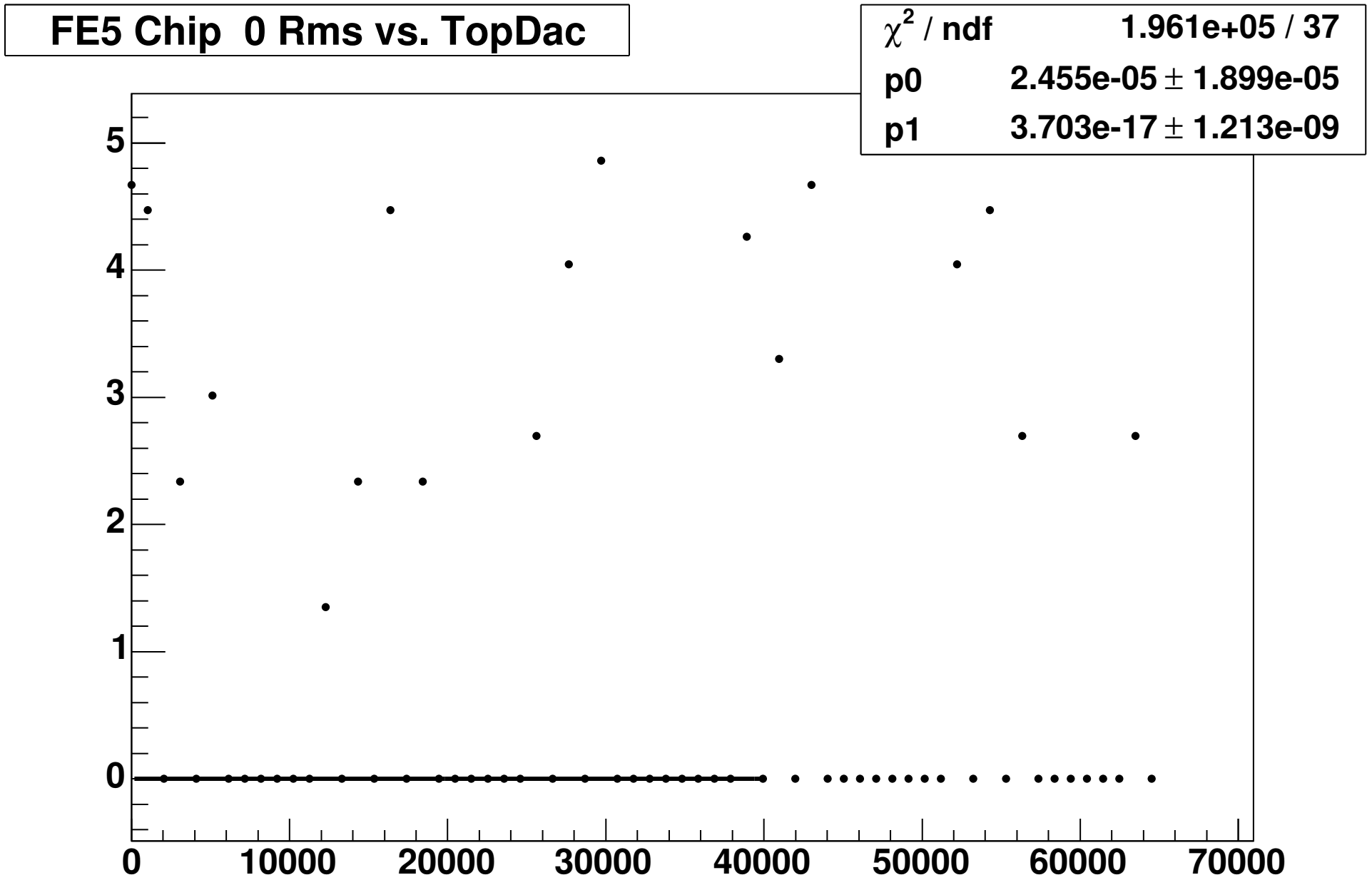
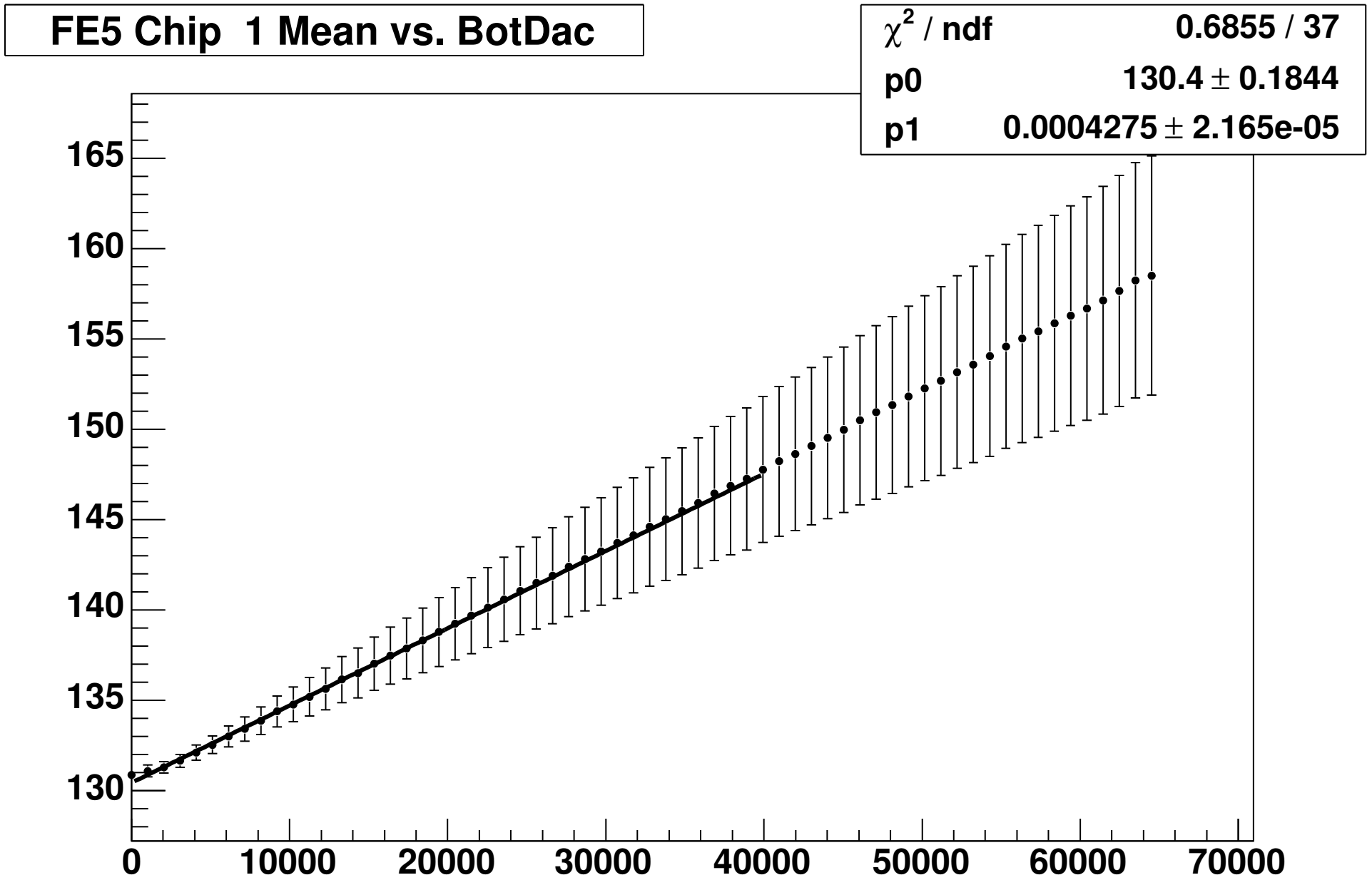
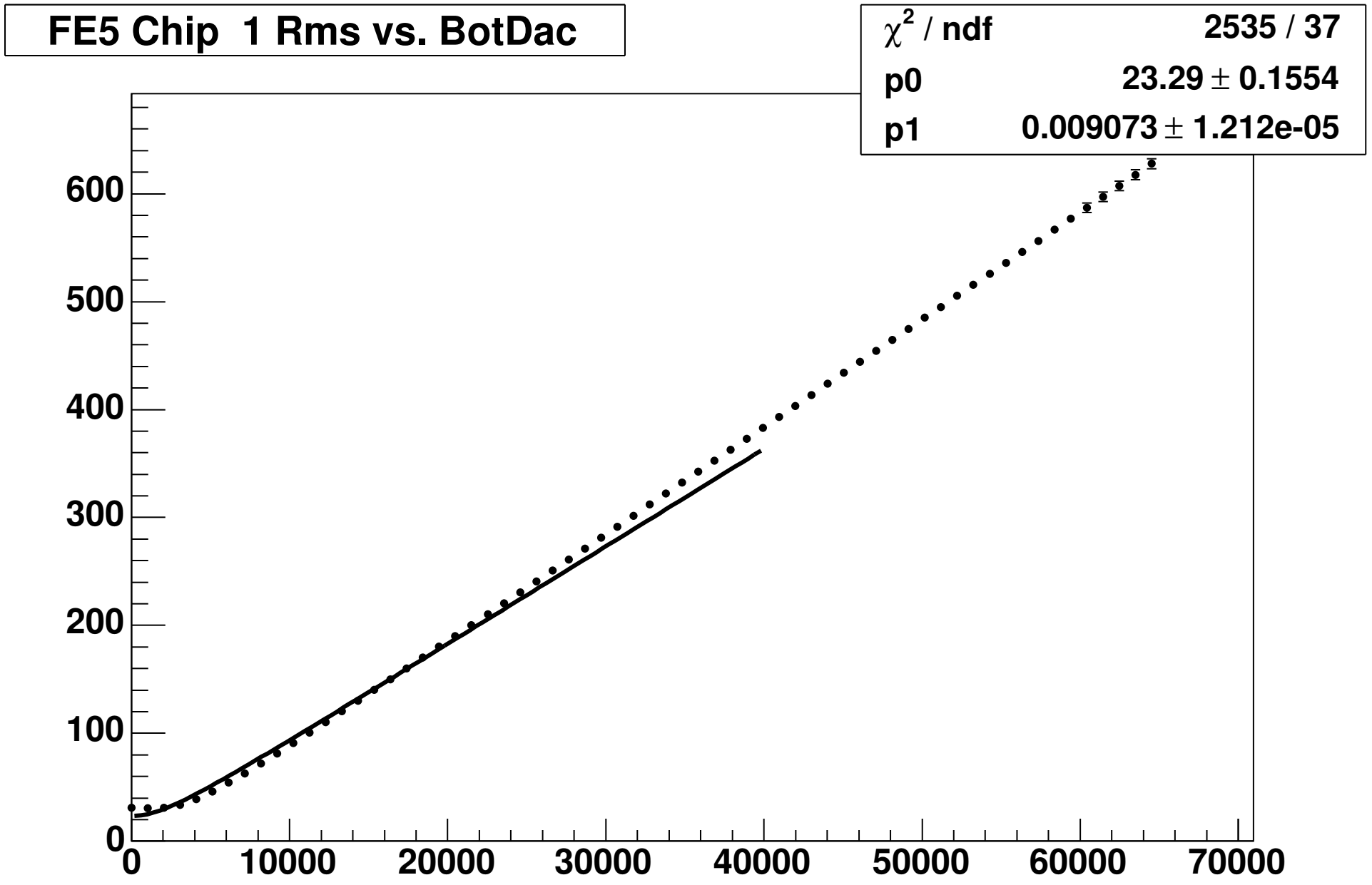
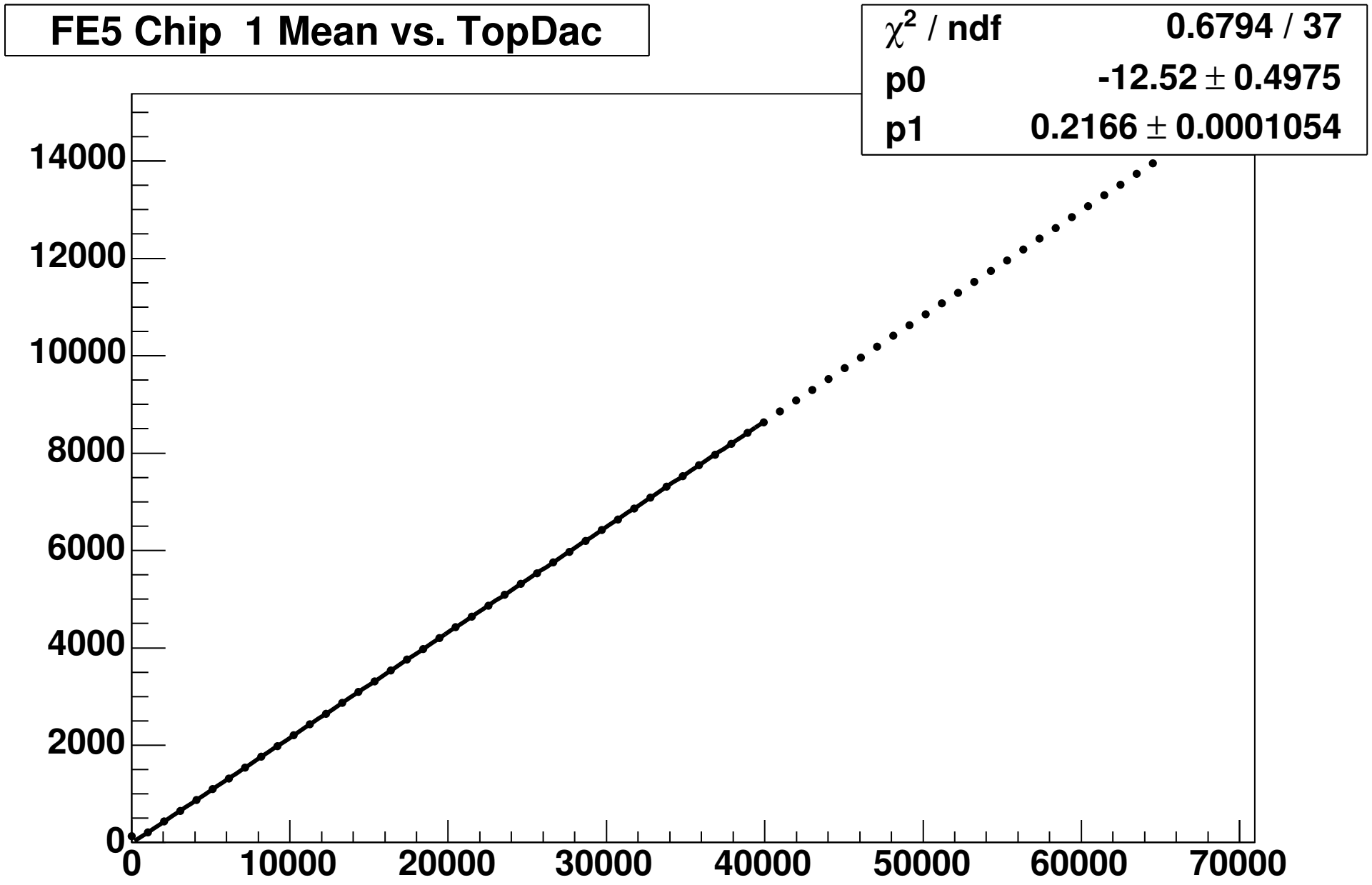
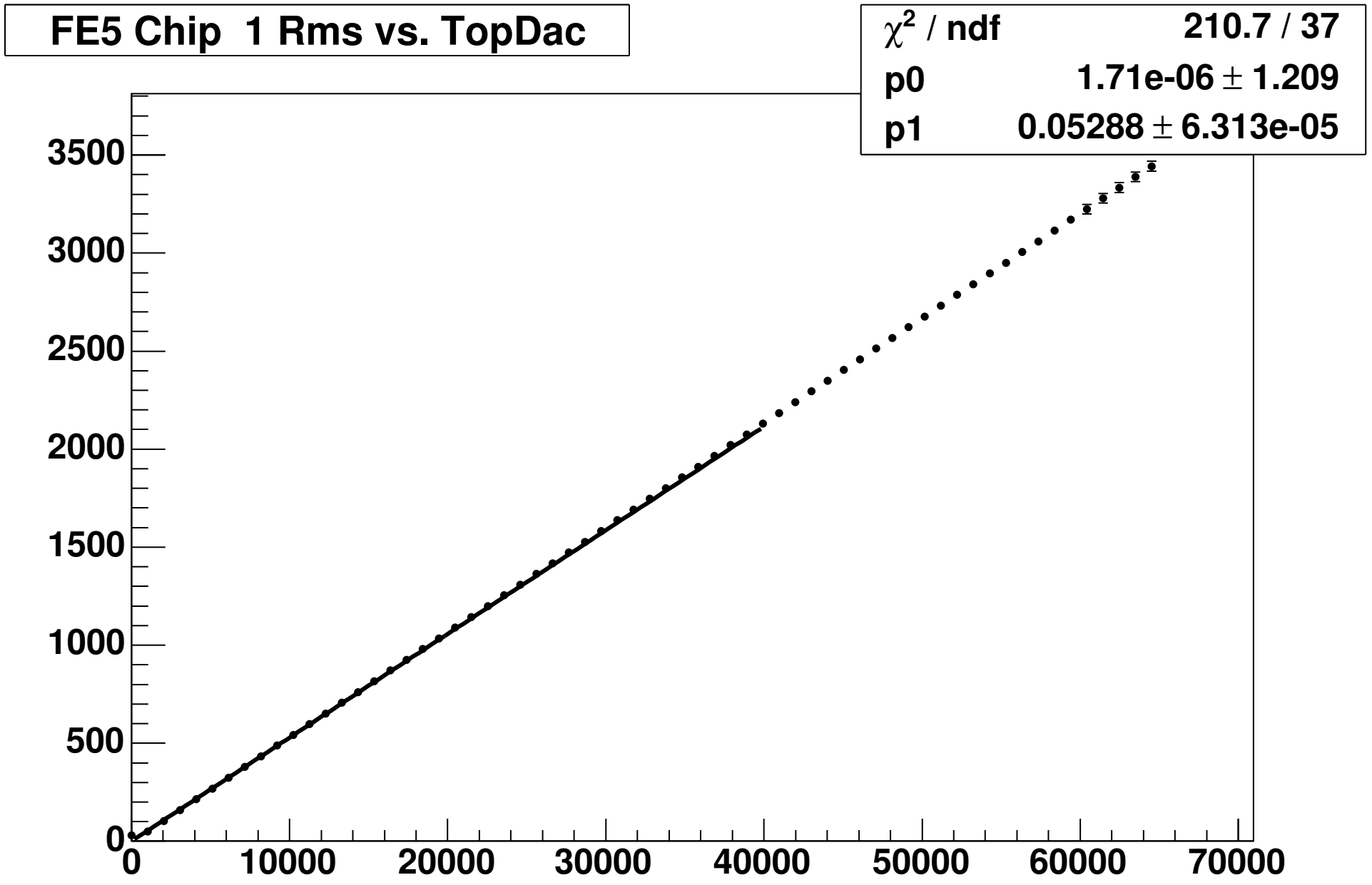
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 1.961e+05 / 37
p0 2.455e-05 ± 1.899e-05
p1 3.703e-17 ± 1.213e-09
0
1
2
3
4
5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 0.6855 / 37
p0 130.4 ± 0.1844
p1 0.0004275 ± 2.165e-05
165
160
155
150
145
140
135
130
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 2535 / 37
p0 23.29 ± 0.1554
p1 0.009073 ± 1.212e-05
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 0.6794 / 37
p0 -12.52 ± 0.4975
p1 0.2166 ± 0.0001054
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 210.7 / 37
p0 1.71e-06 ± 1.209
p1 0.05288 ± 6.313e-05
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
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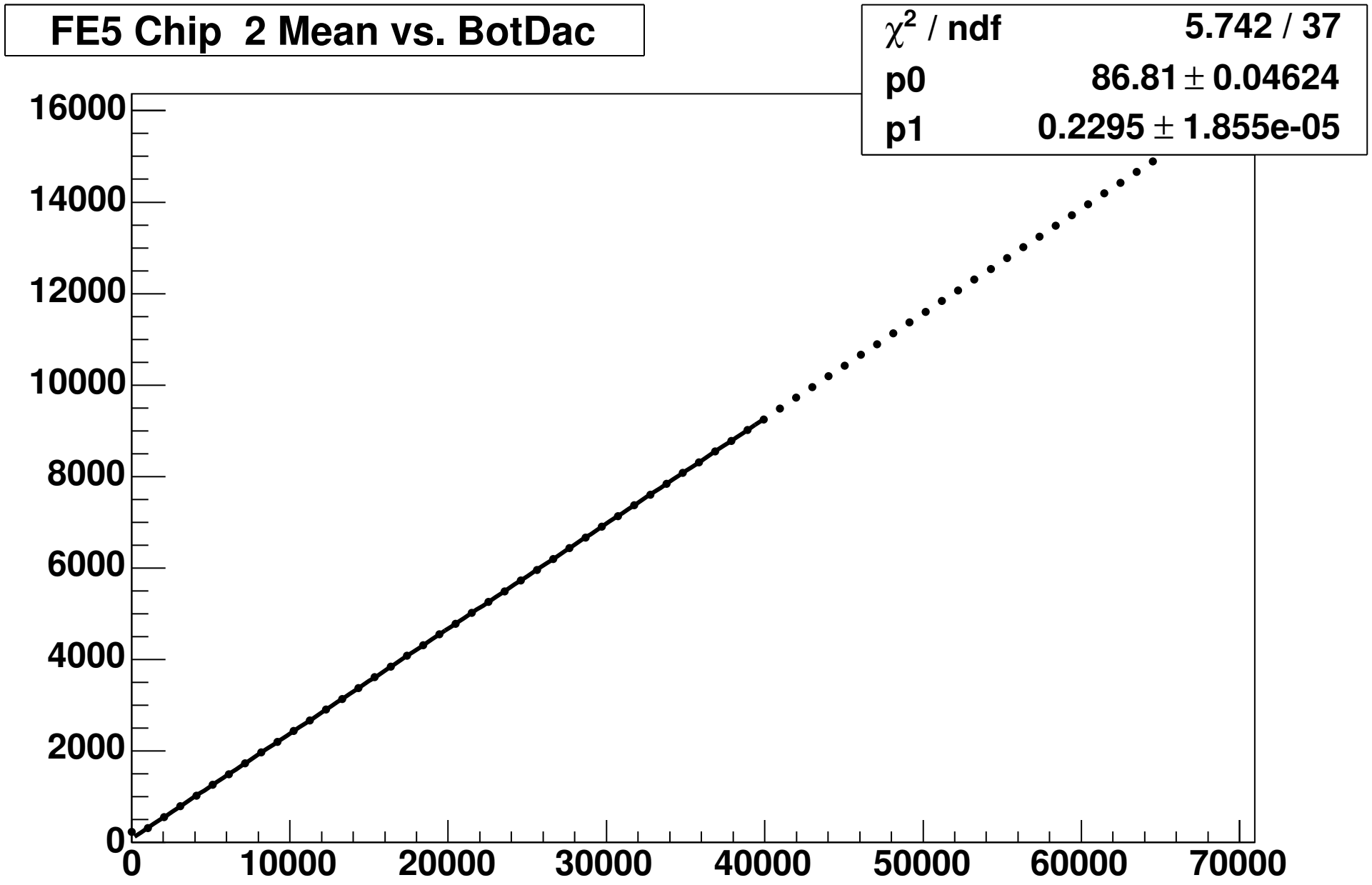
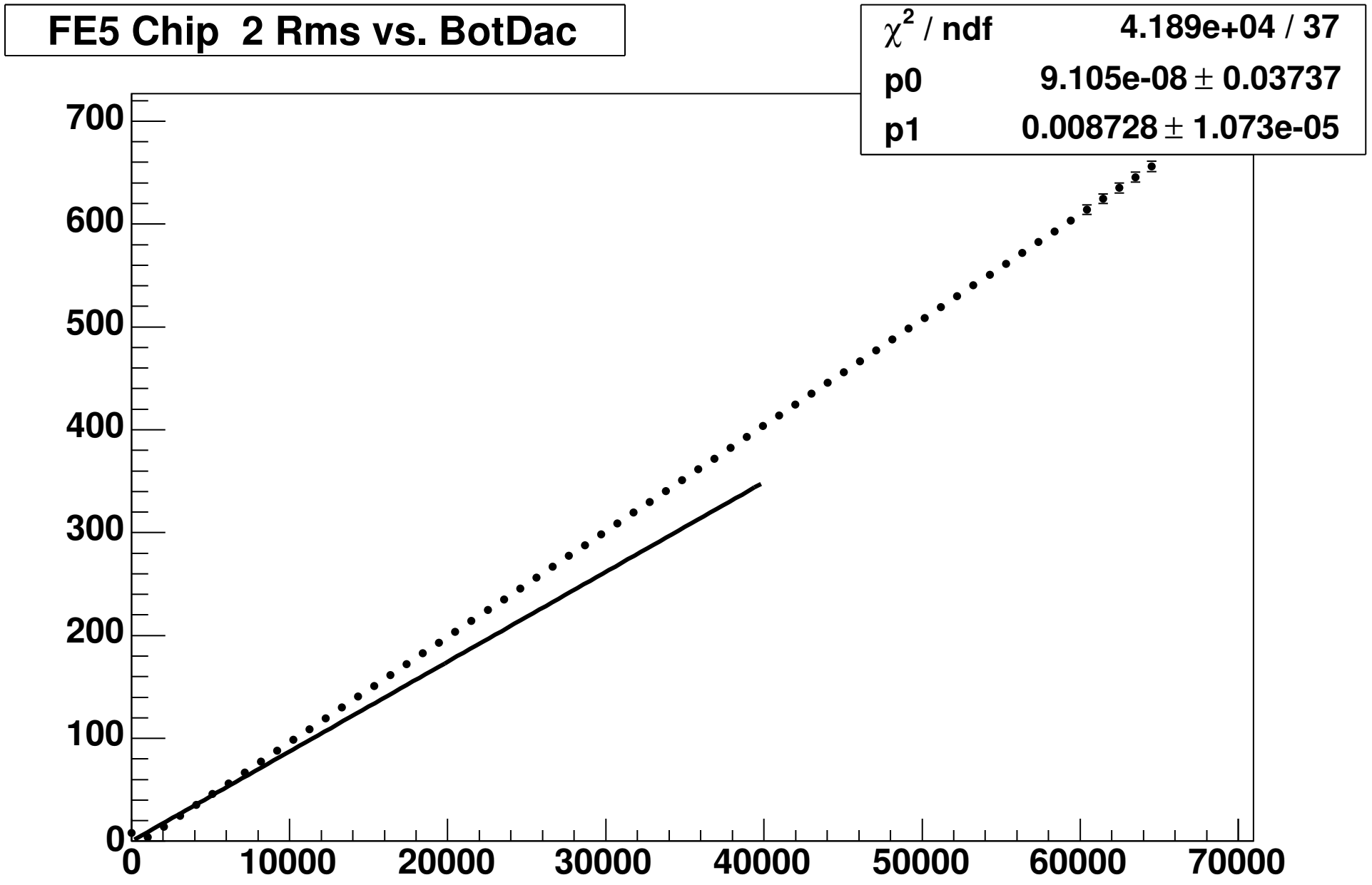
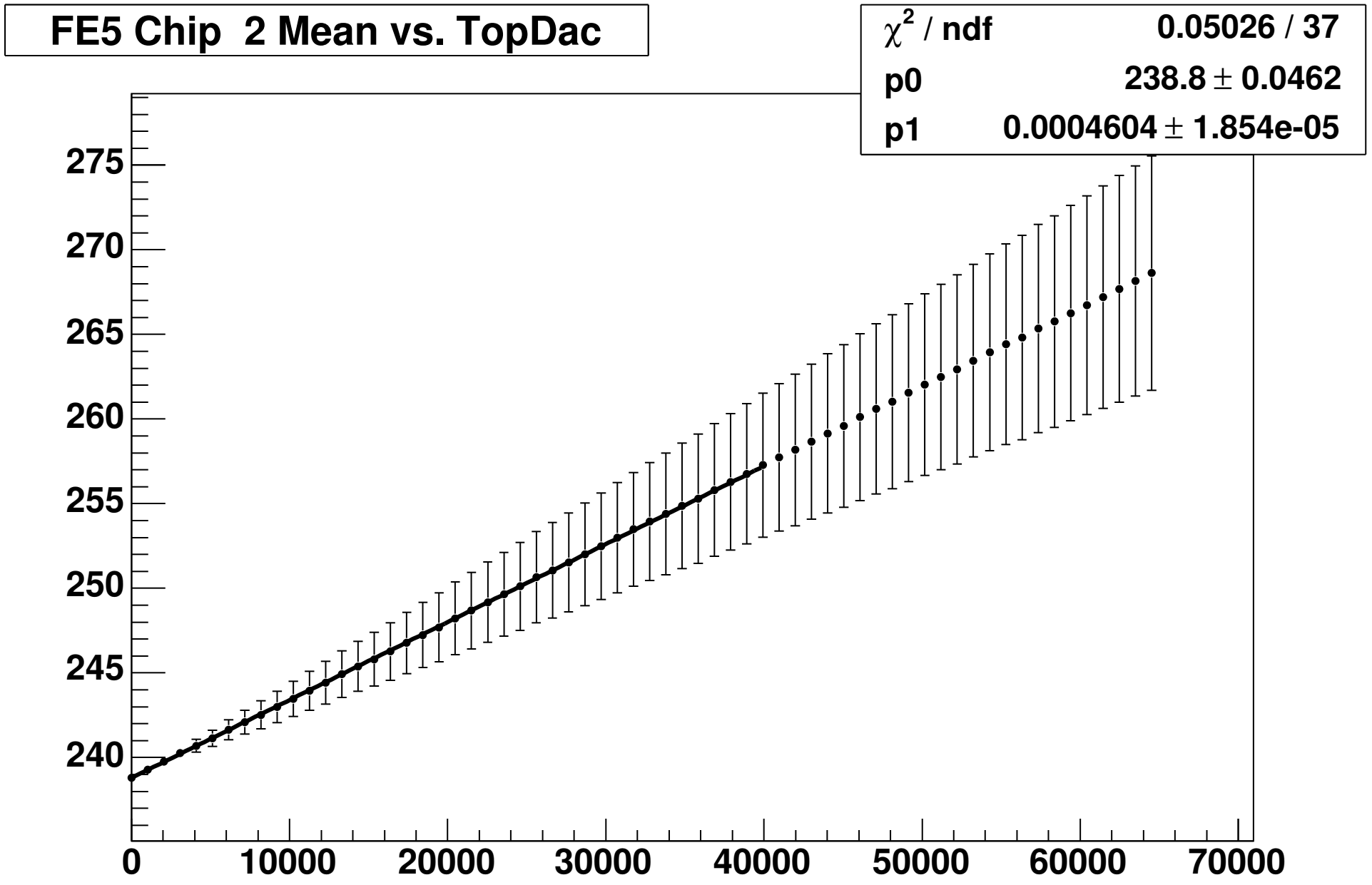

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 5.742 / 37
p0 86.81 ± 0.04624
p1 0.2295 ± 1.855e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 4.189e+04 / 37
p0 9.105e-08 ± 0.03737
p1 0.008728 ± 1.073e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 0.05026 / 37
p0 238.8 ± 0.0462
p1 0.0004604 ± 1.854e-05
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270
265
260
255
250
245
240
0
10000
20000
30000
40000
50000
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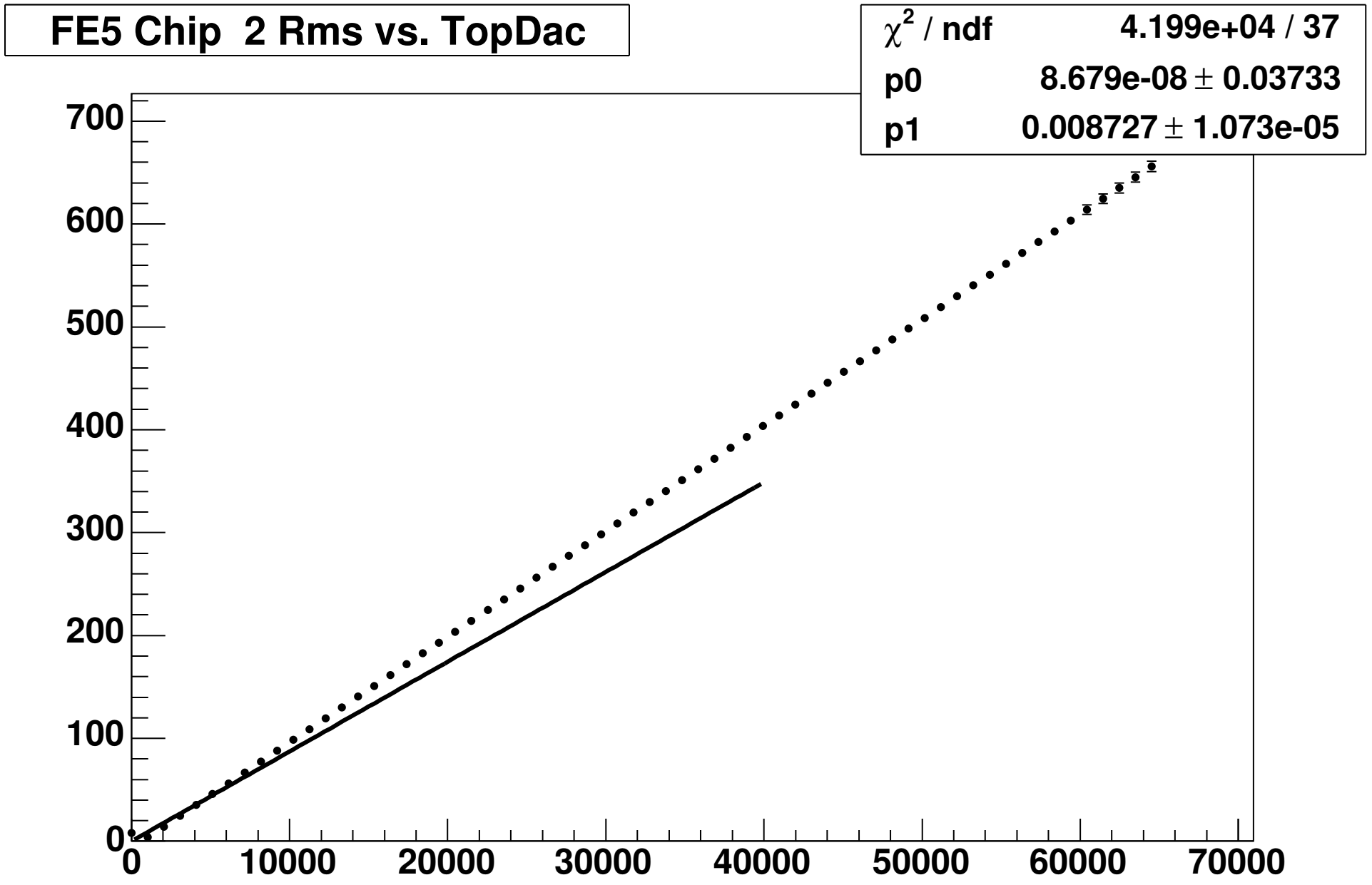
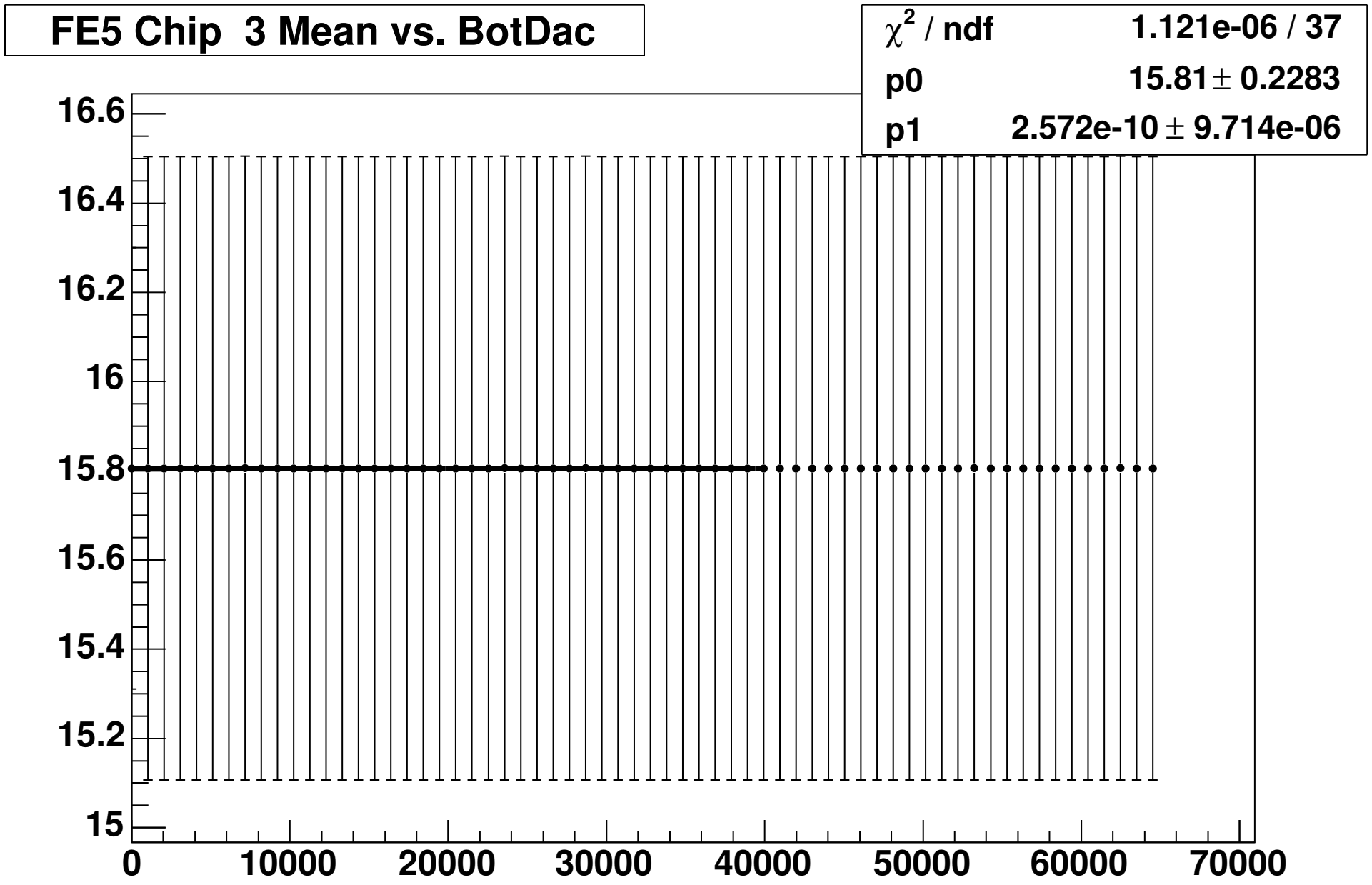
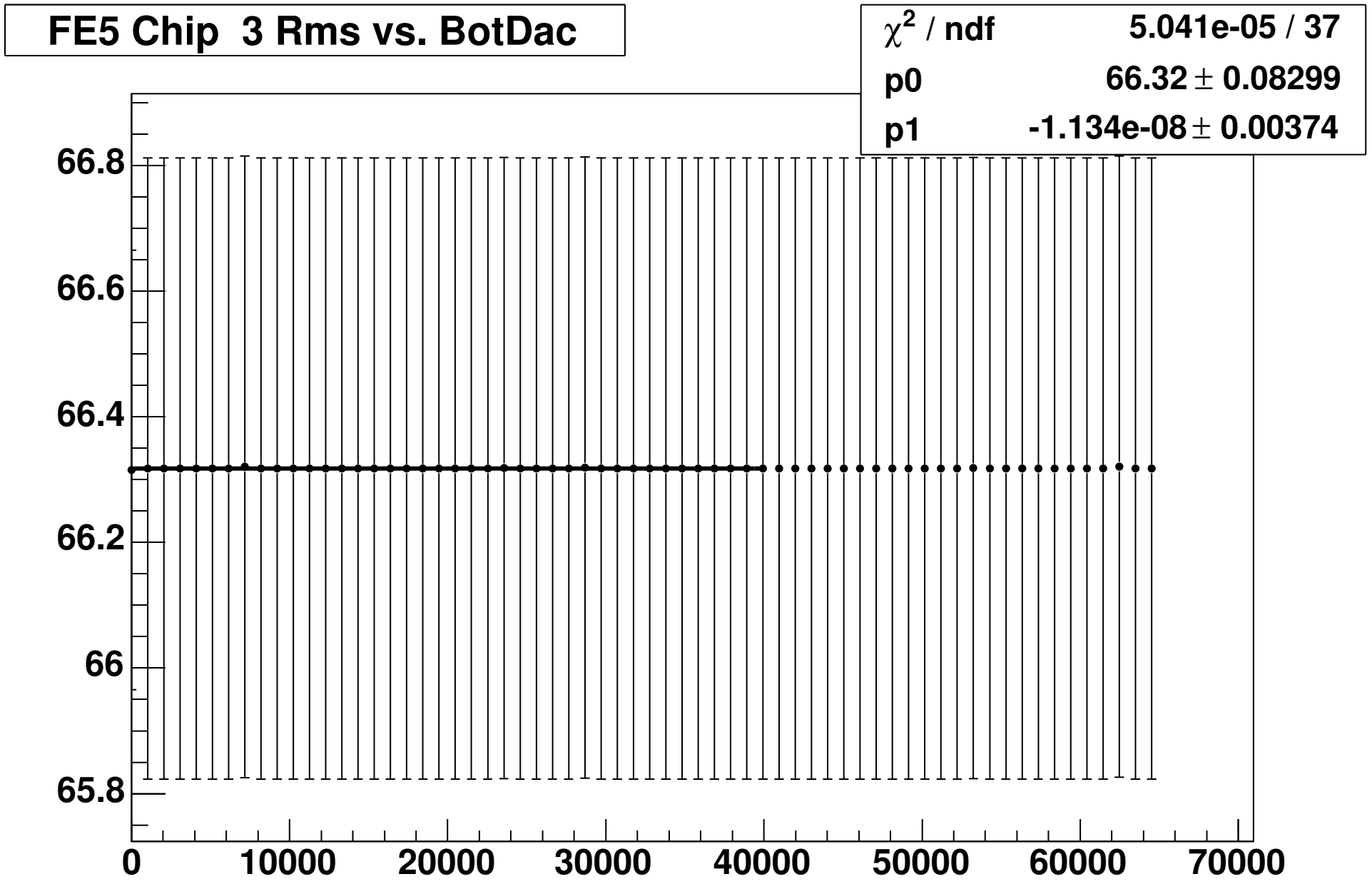
70000


FE5 Chip 2 Rms vs. TopDac
χ² / ndf 4.199e+04 / 37
p0 8.679e-08 ± 0.03733
p1 0.008727 ± 1.073e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.121e-06 / 37
p0 15.81 ± 0.2283
p1 2.572e-10 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 5.041e-05 / 37
p0 66.32 ± 0.08299
p1 -1.134e-08 ± 0.00374
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
30000
40000
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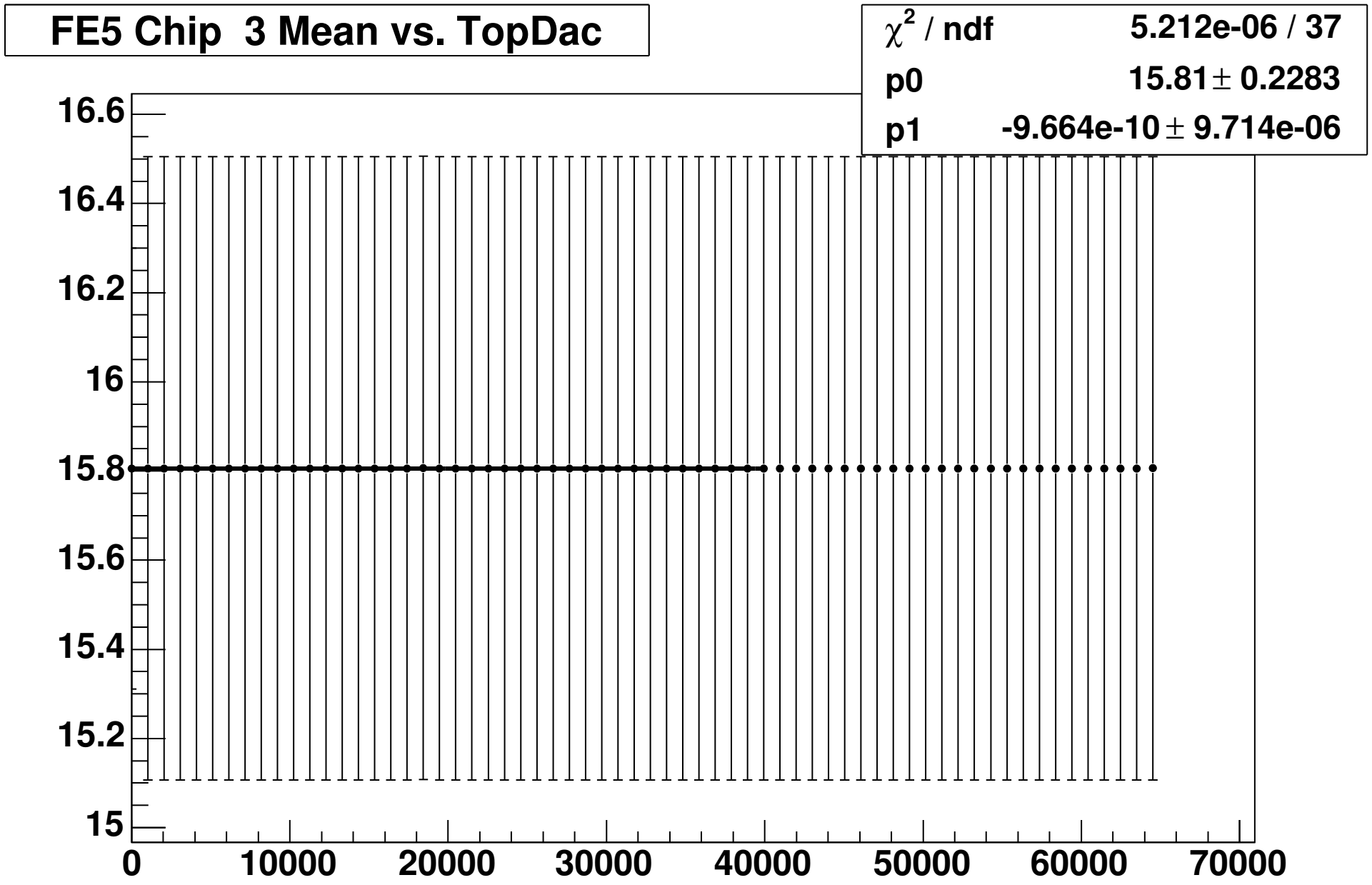
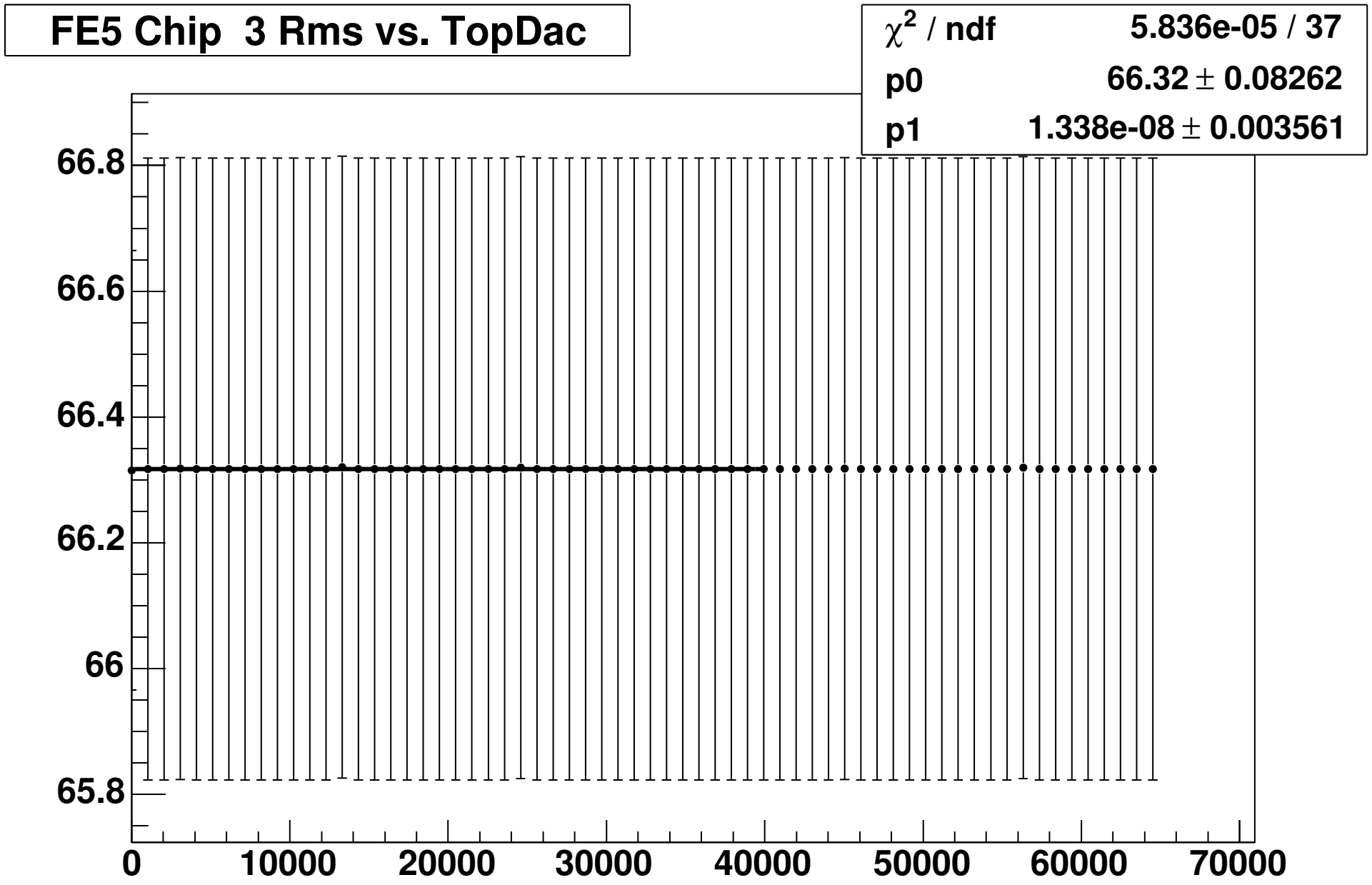
60000
70000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 5.212e-06 / 37
p0 15.81 ± 0.2283
p1 -9.664e-10 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 5.836e-05 / 37
p0 66.32 ± 0.08262
p1 1.338e-08 ± 0.003561
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
30000
40000
50000
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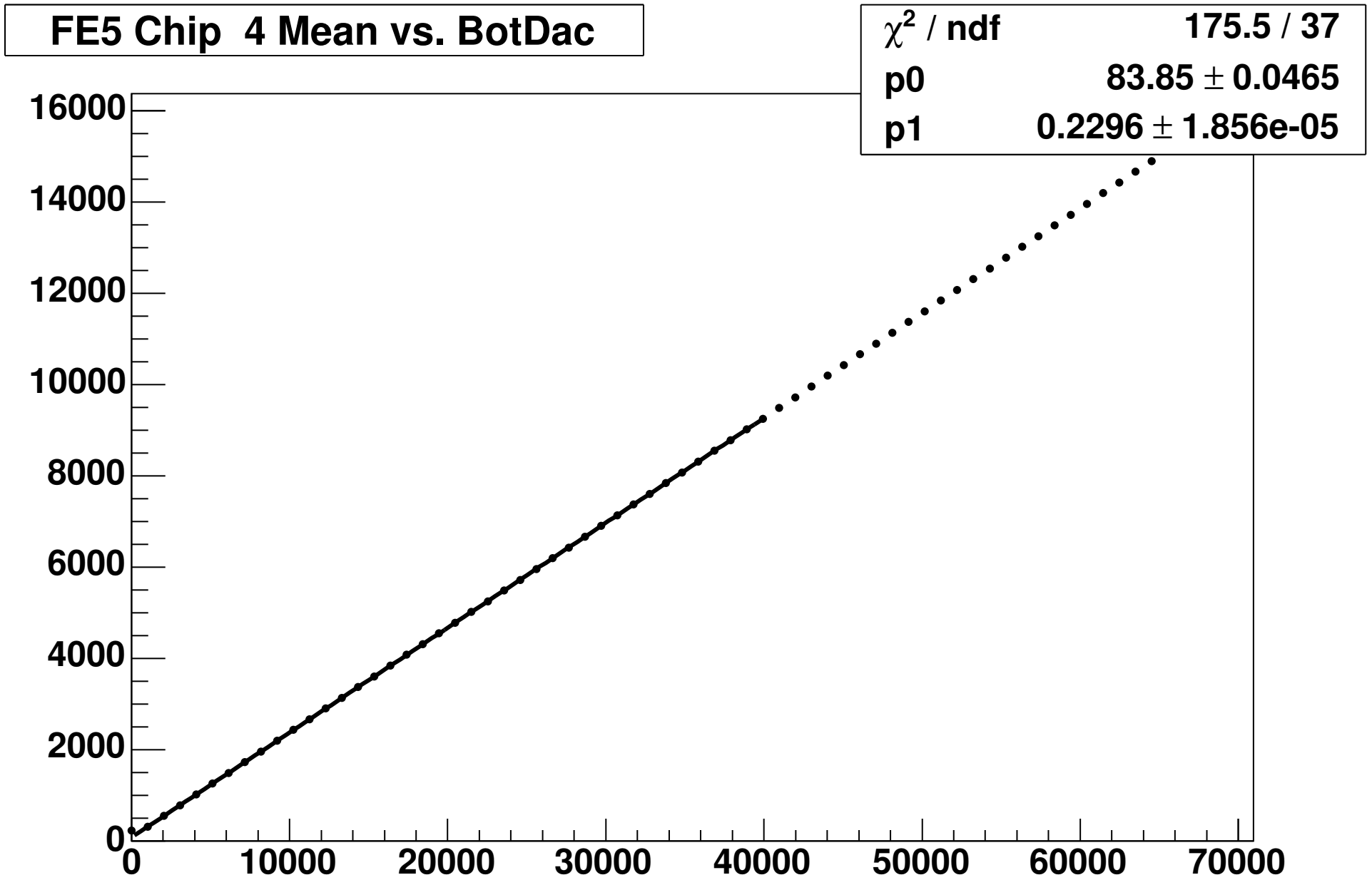
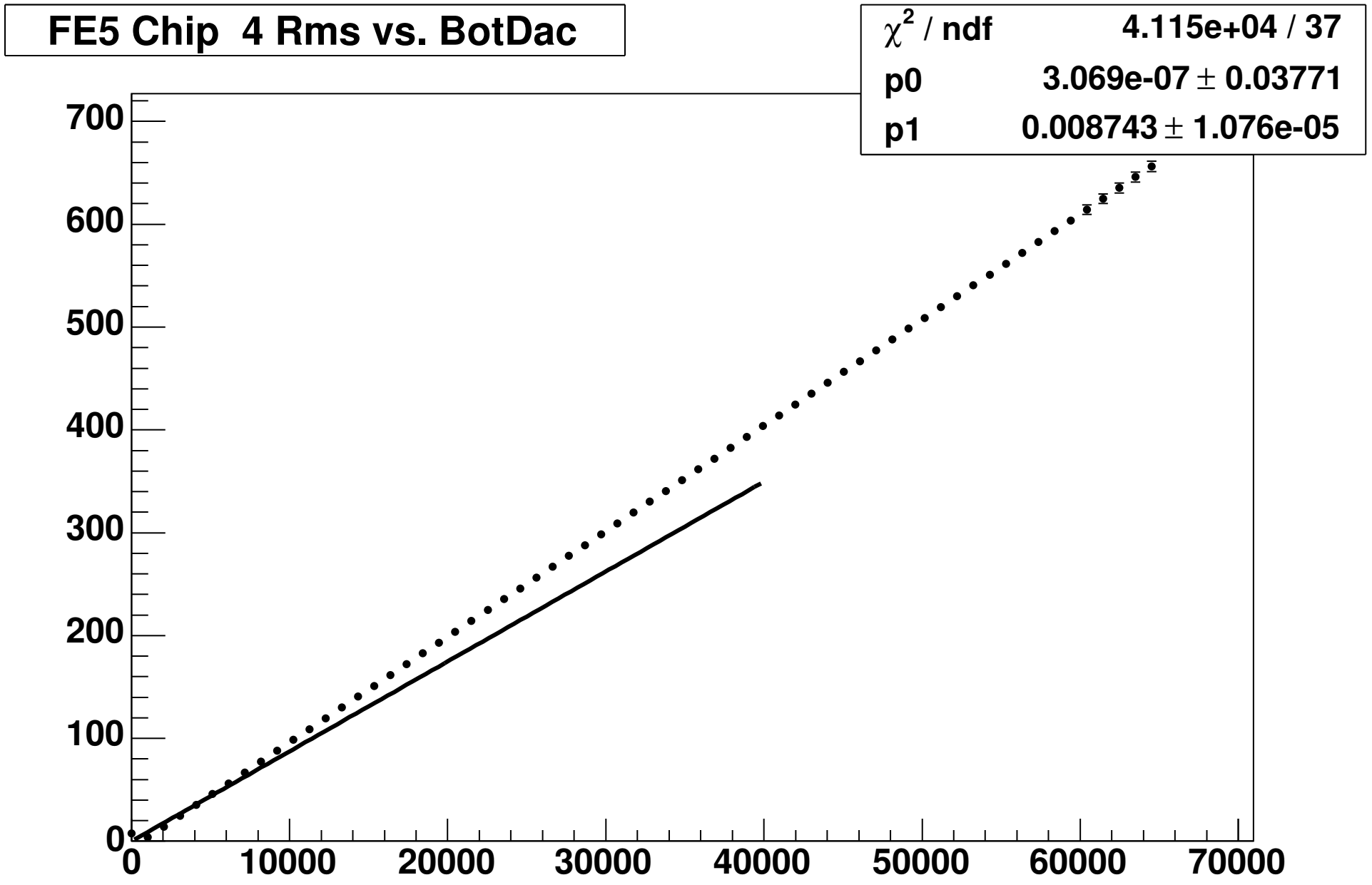
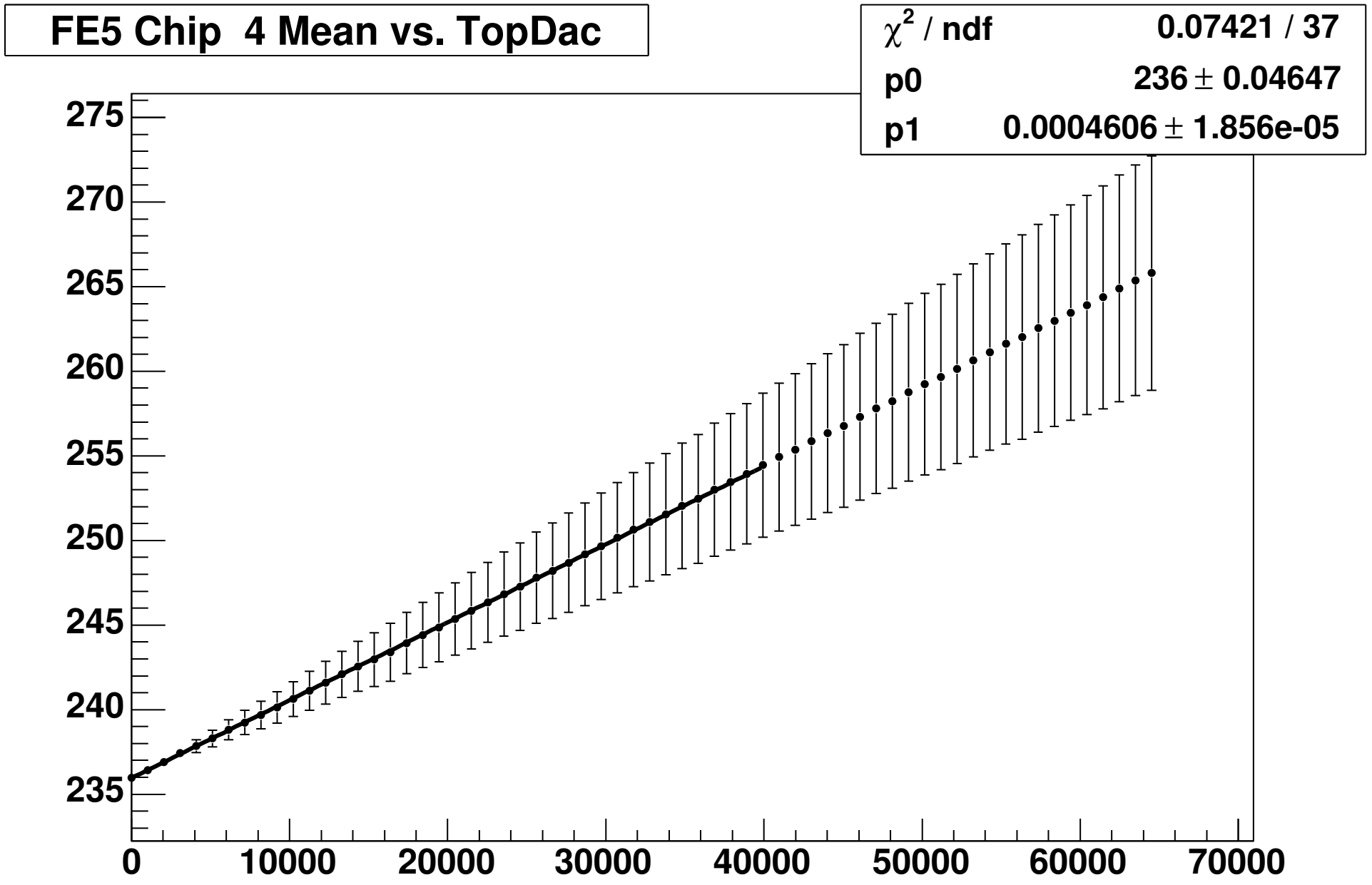
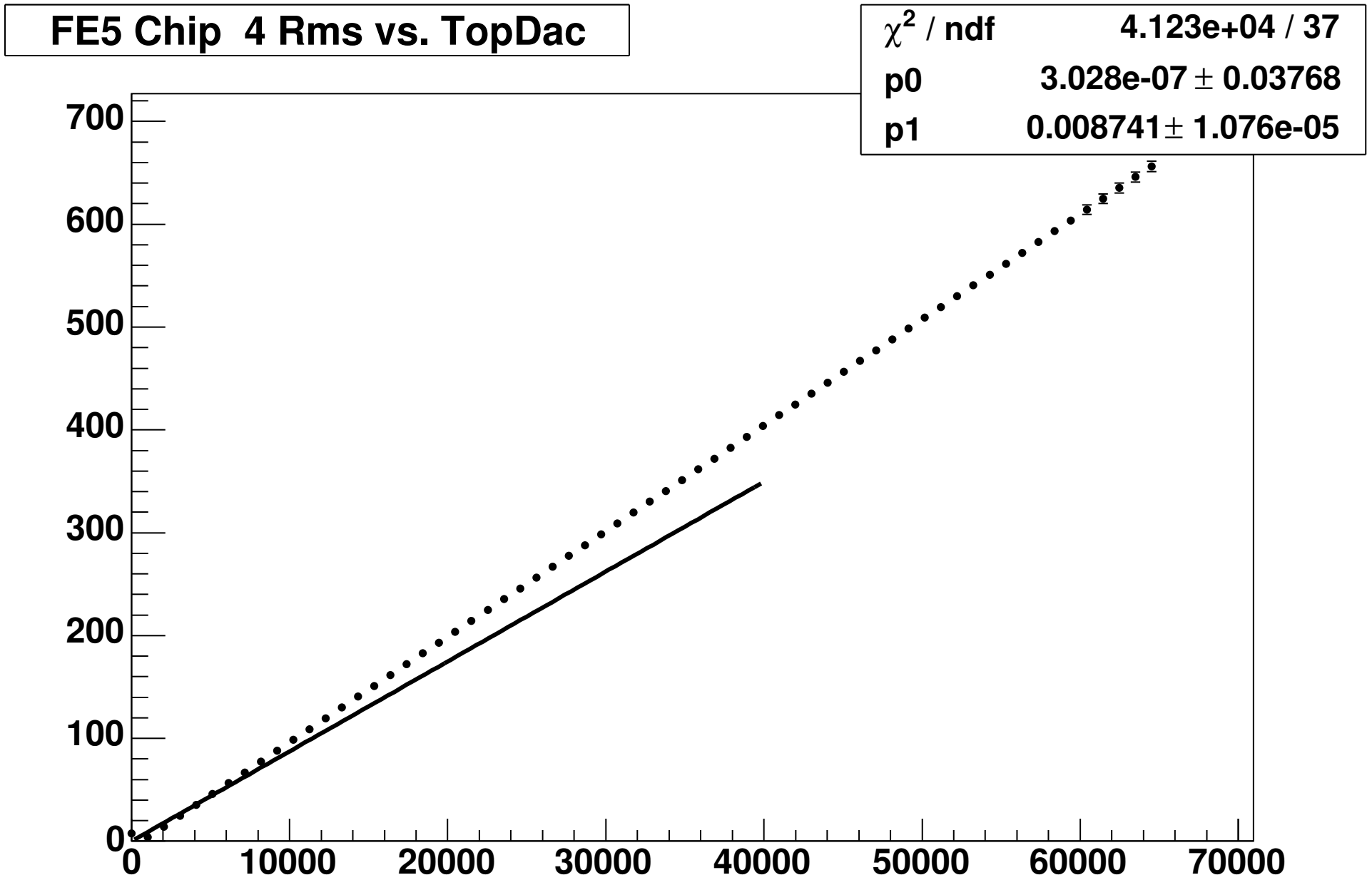
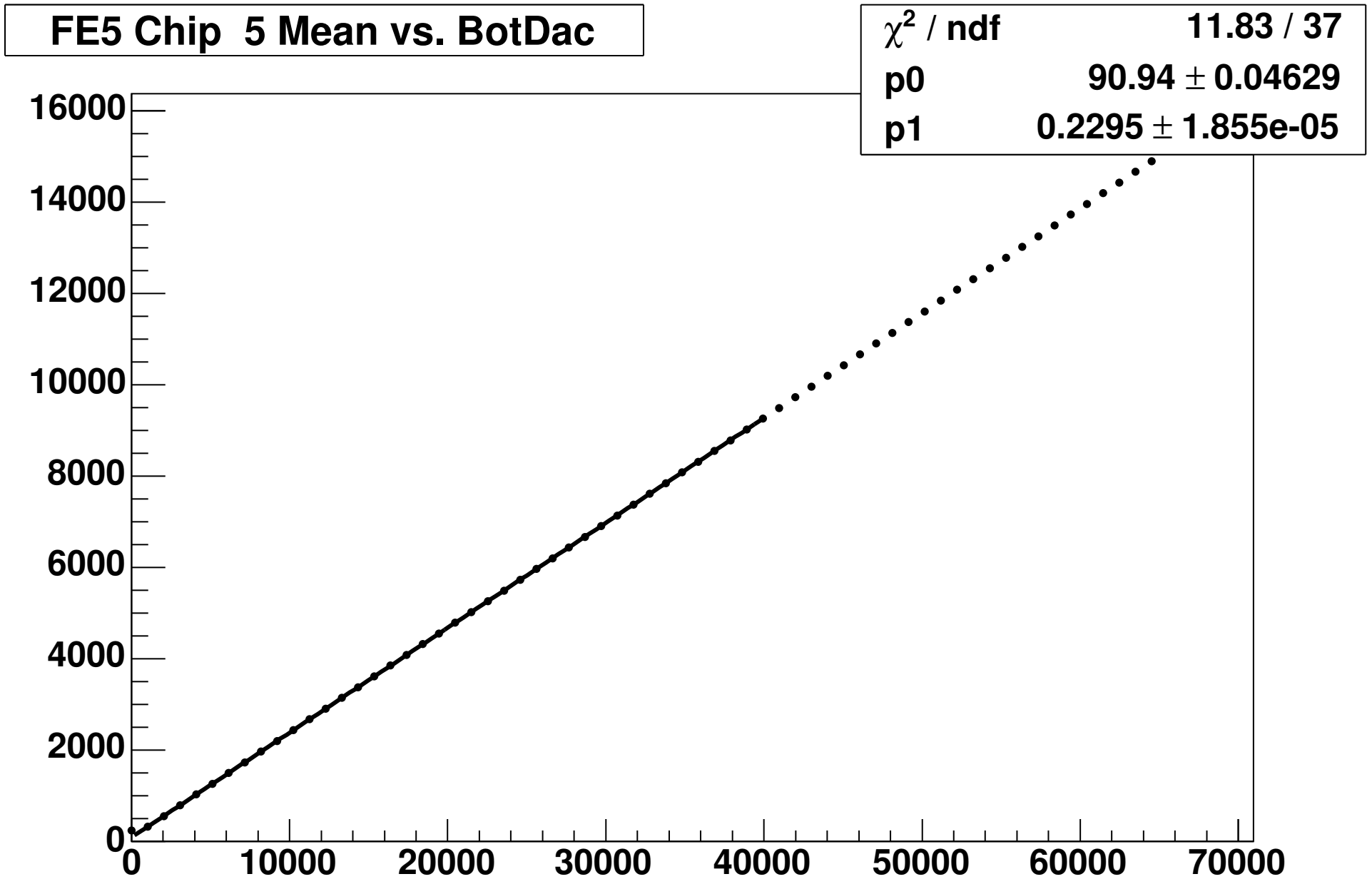
70000

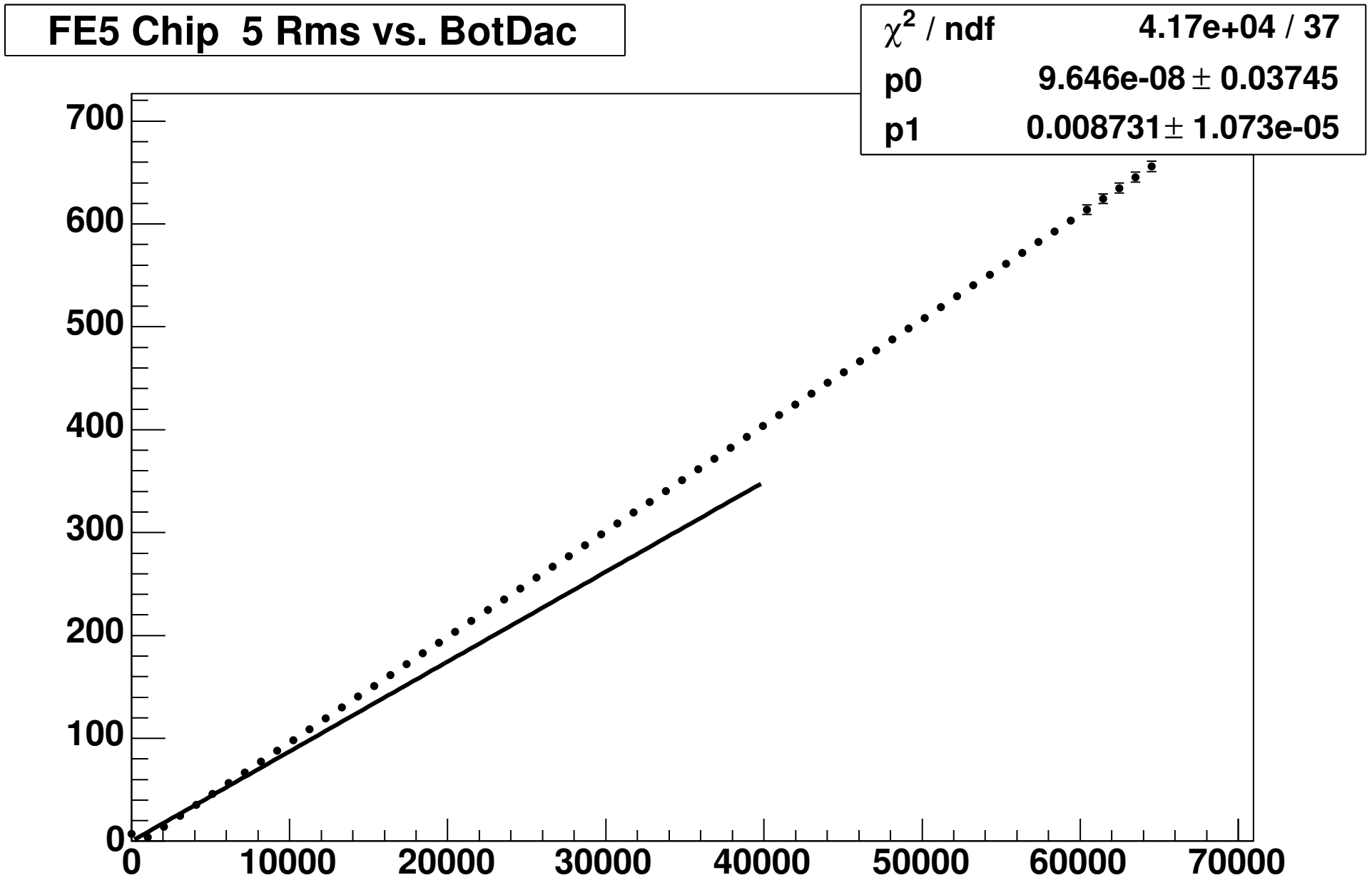

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 175.5 / 37
p0 83.85 ± 0.0465
p1 0.2296 ± 1.856e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 4.115e+04 / 37
p0 3.069e-07 ± 0.03771
p1 0.008743 ± 1.076e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 0.07421 / 37
p0 236 ± 0.04647
p1 0.0004606 ± 1.856e-05
275
270
265
260
255
250
245
240
235
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 4.123e+04 / 37
p0 3.028e-07 ± 0.03768
p1 0.008741 ± 1.076e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 11.83 / 37
p0 90.94 ± 0.04629
p1 0.2295 ± 1.855e-05
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 4.17e+04 / 37
p0 9.646e-08 ± 0.03745
p1 0.008731 ± 1.073e-05
700
600
500
400
300
200
100
0
0
10000
20000
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40000
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60000
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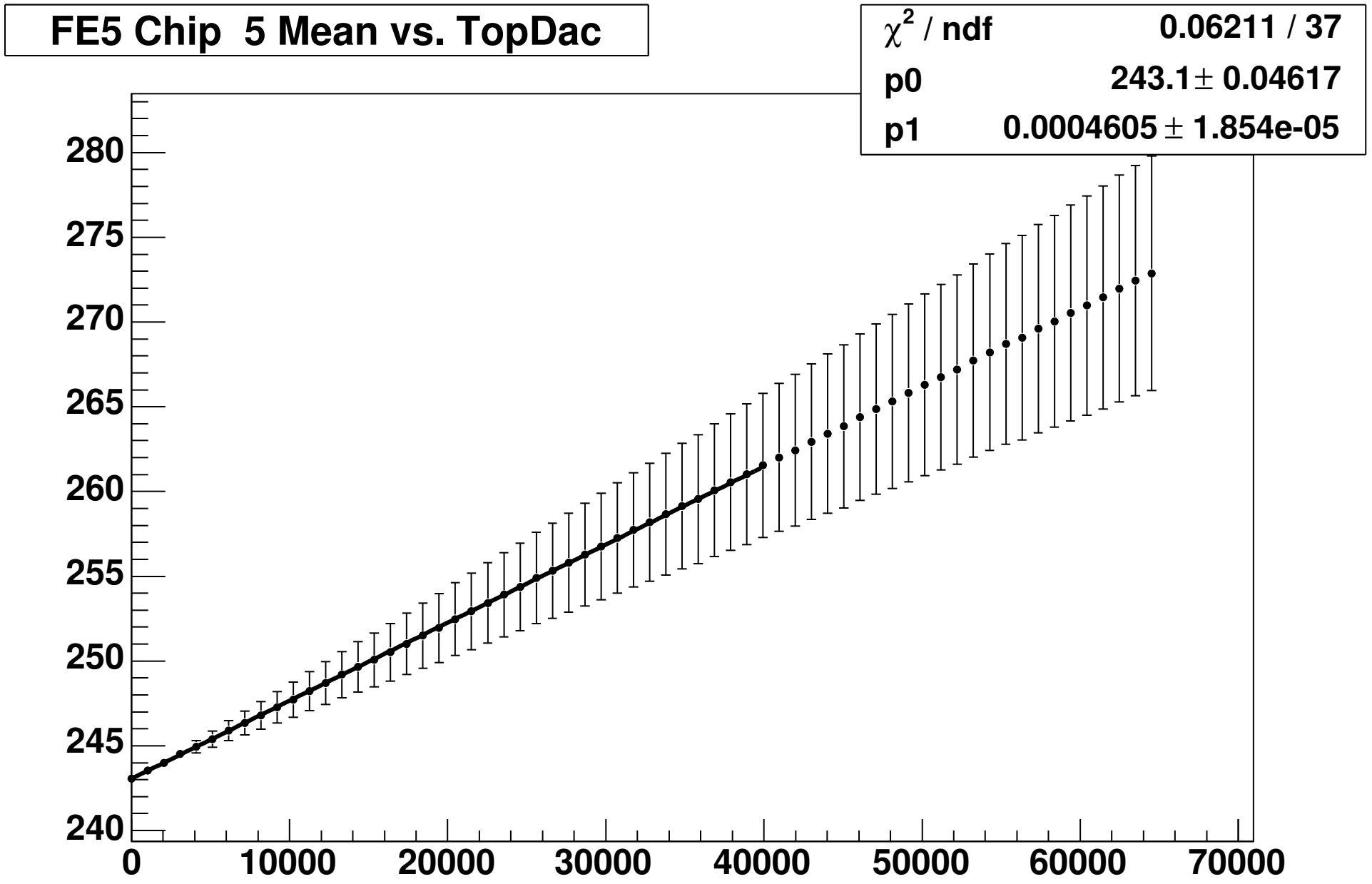
FE5 Chip 5 Mean vs. TopDac
χ² / ndf 0.06211 / 37
p0 243.1 ± 0.04617
p1 0.0004605 ± 1.854e-05
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275
270
265
260
255
250
245
240
0
10000
20000
30000
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60000
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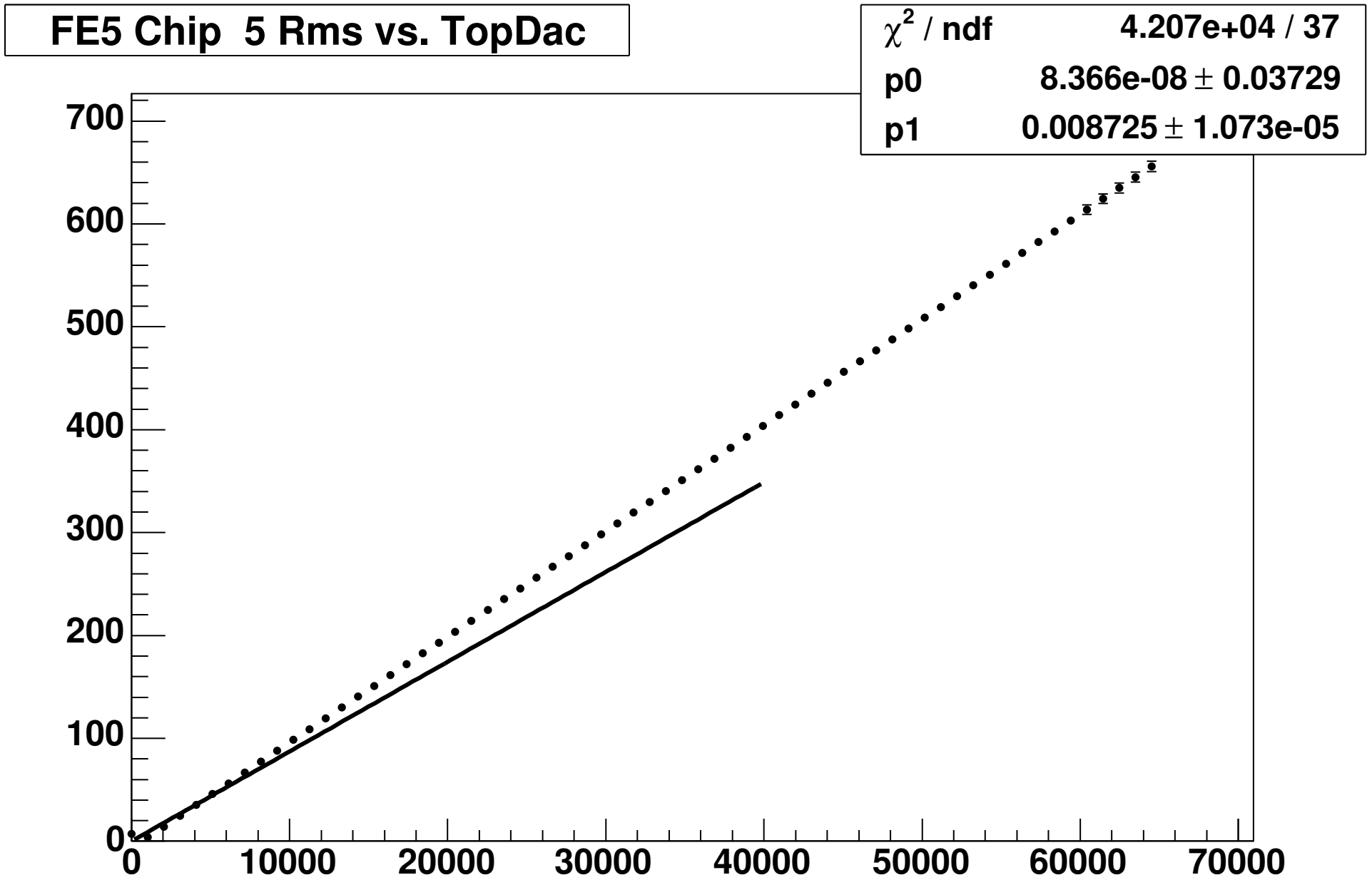
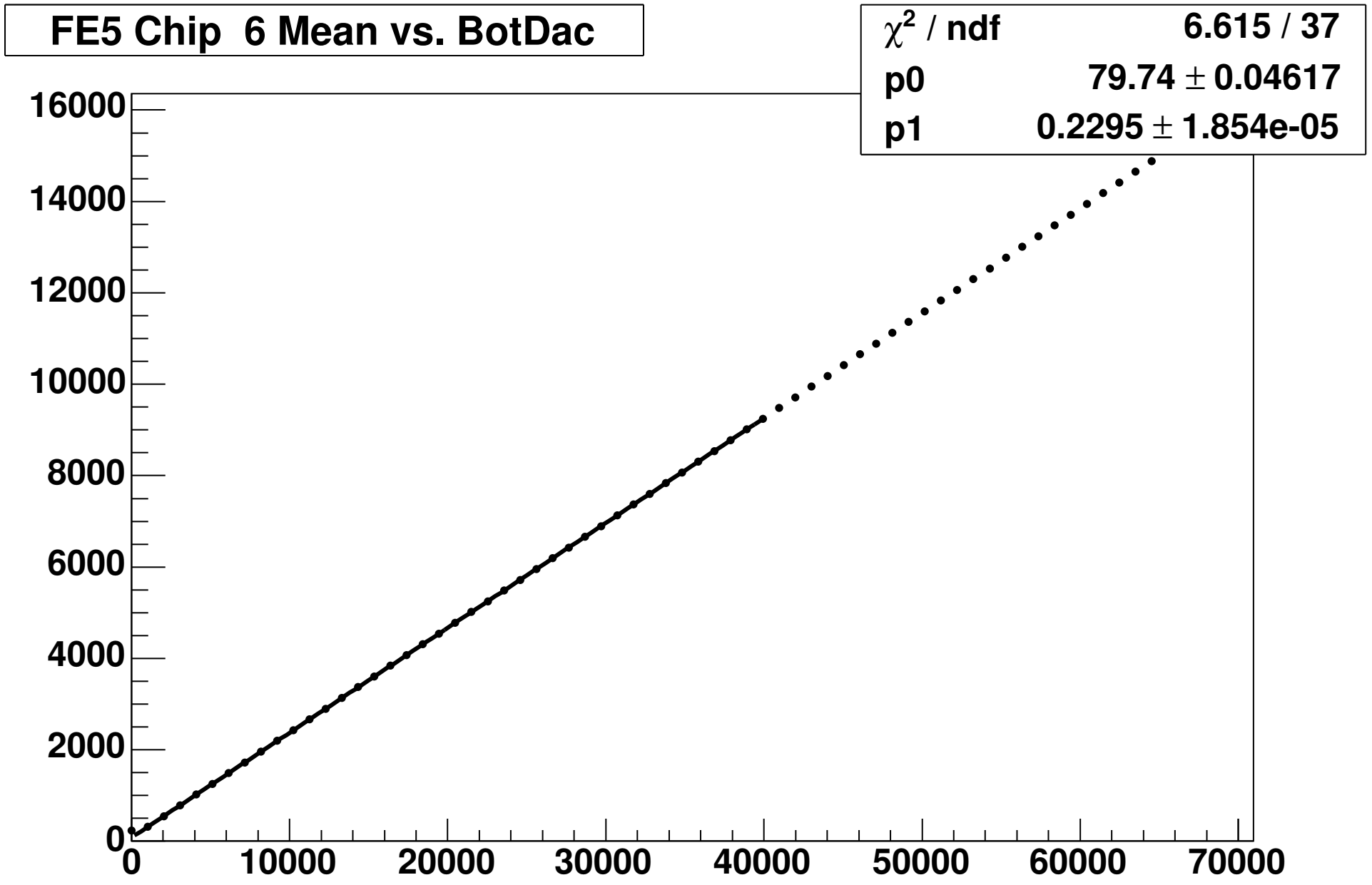

FE5 Chip 5 Rms vs. TopDac
χ^2 / ndf 4.207e+04 / 37
p0 8.366e-08 ± 0.03729
p1 0.008725 ± 1.073e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 6.615 / 37
p0 79.74 ± 0.04617
p1 0.2295 ± 1.854e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
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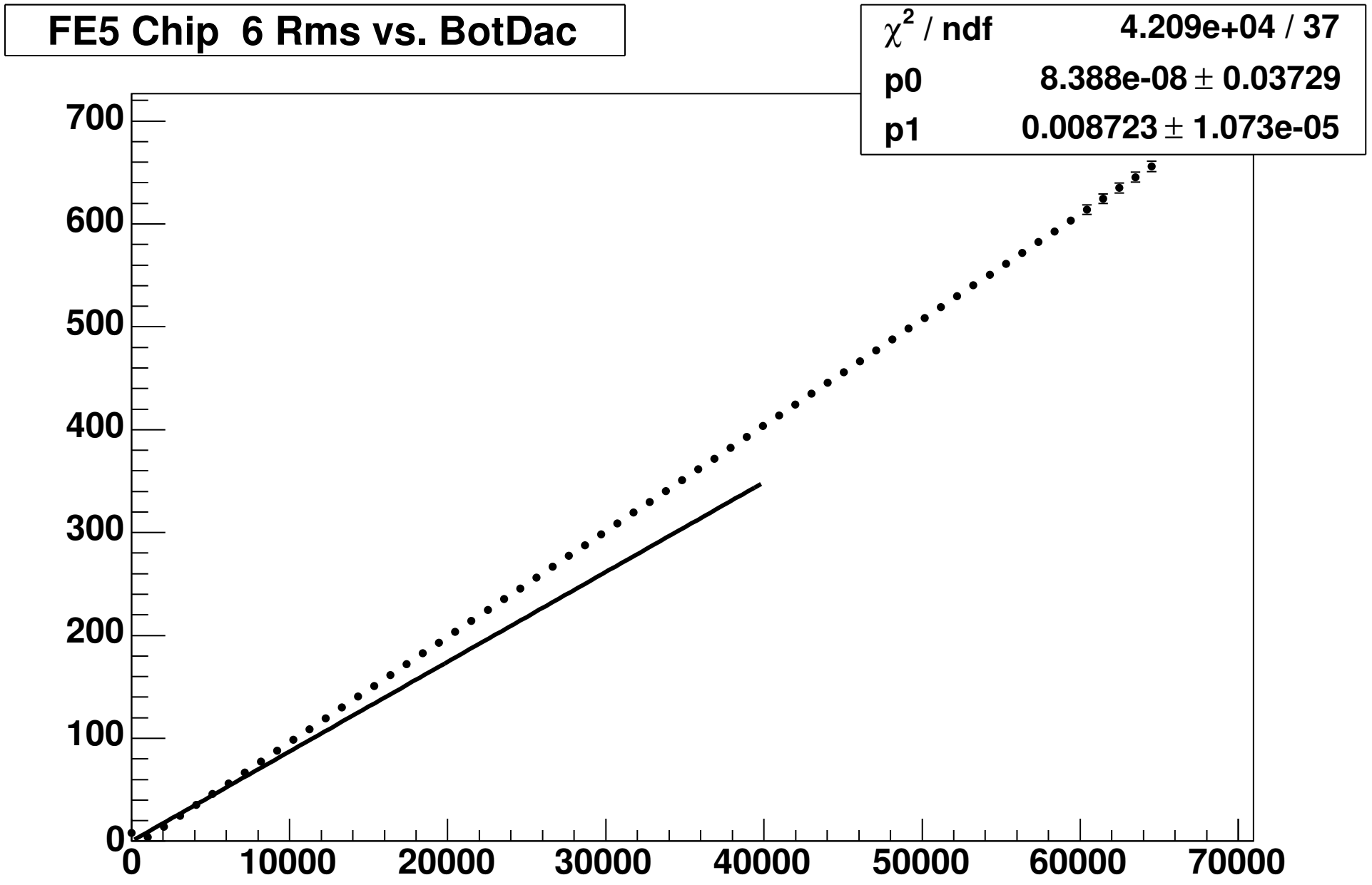
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 4.209e+04 / 37
p0 8.388e-08 ± 0.03729
p1 0.008723 ± 1.073e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
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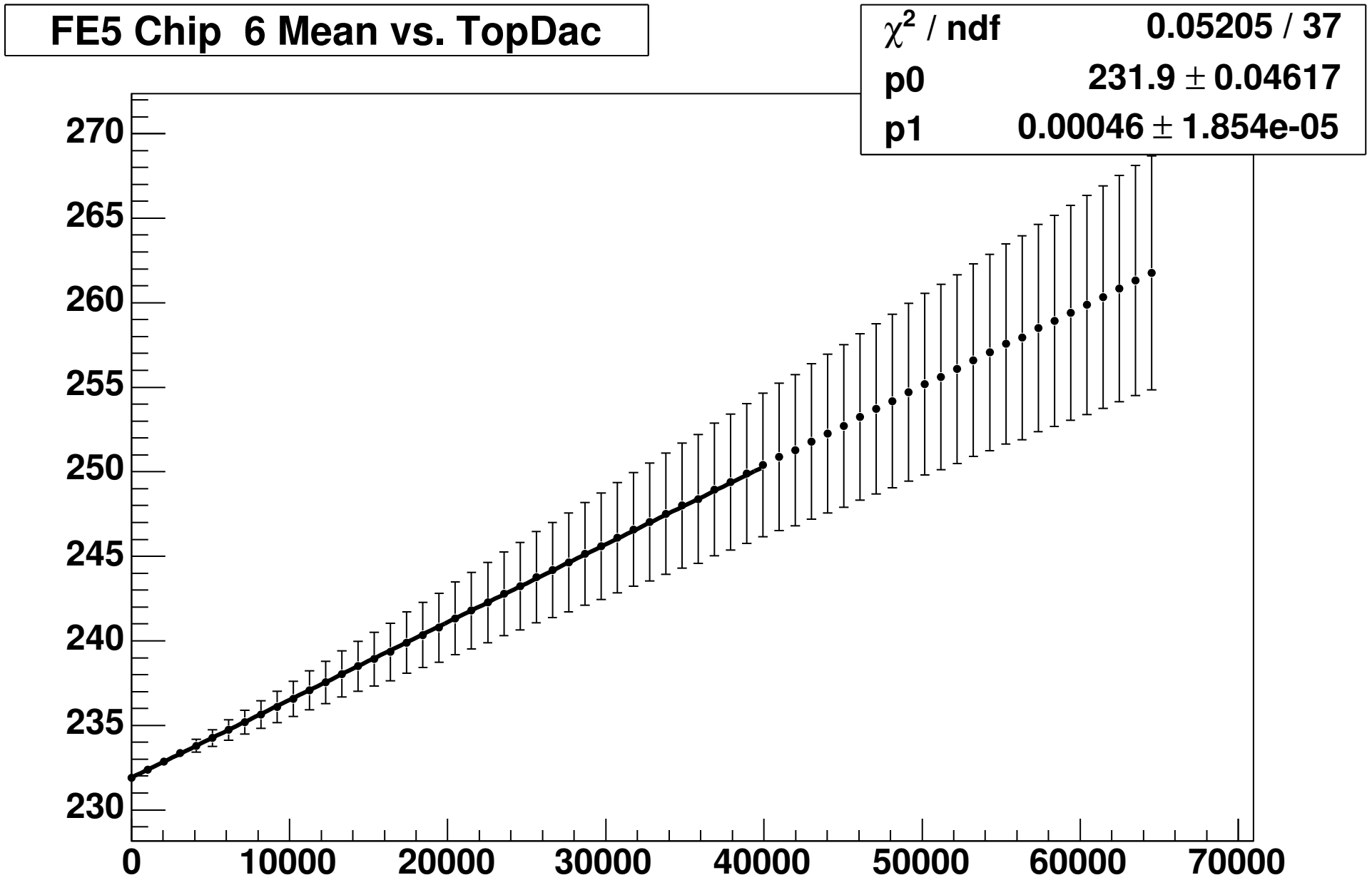
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 0.05205 / 37
p0 231.9 ± 0.04617
p1 0.00046 ± 1.854e-05
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265
260
255
250
245
240
235
230
0
10000
20000
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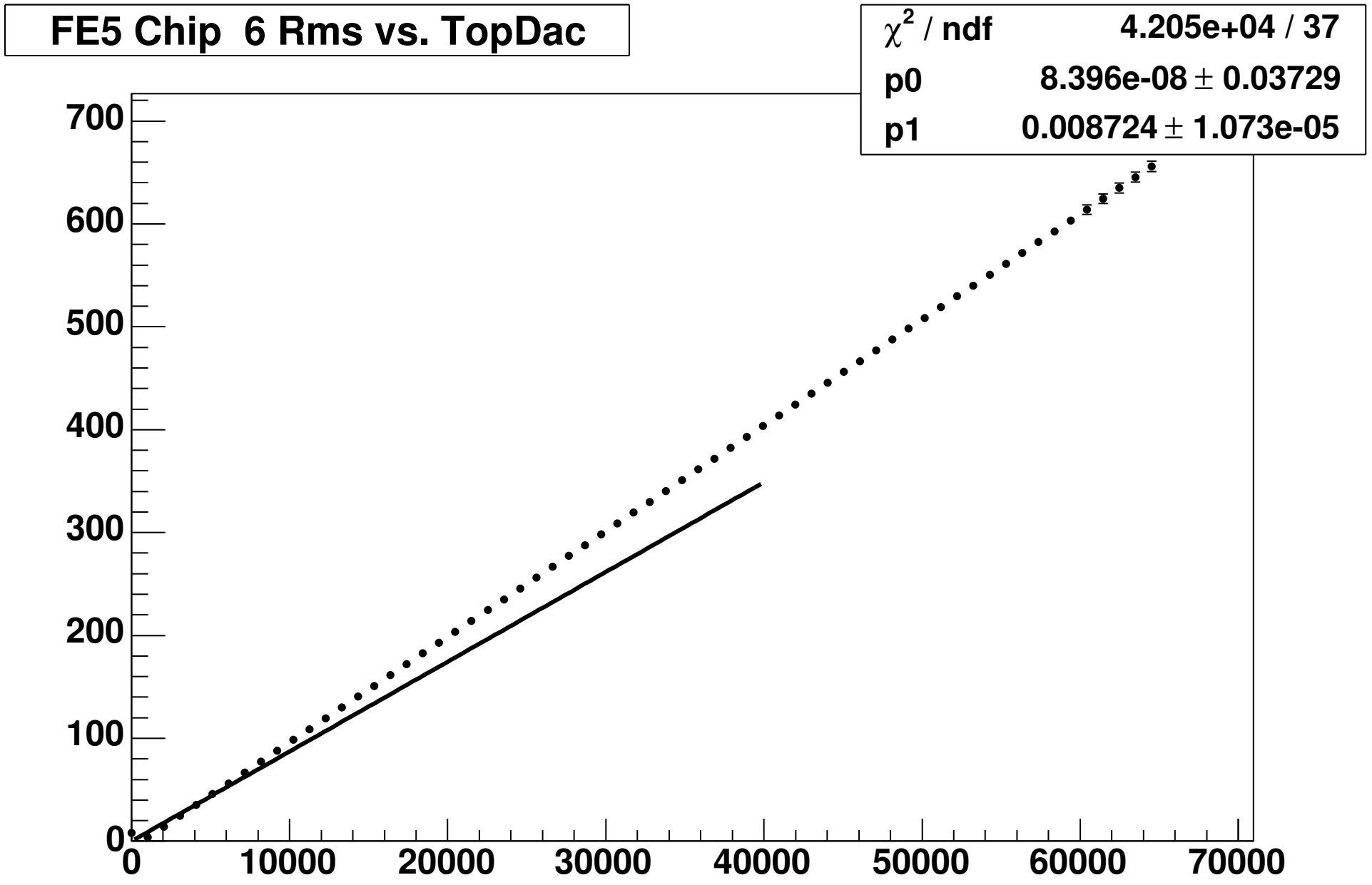
FE5 Chip 6 Rms vs. TopDac
χ^2 / ndf 4.205e+04 / 37
p0 8.396e-08 ± 0.03729
p1 0.008724 ± 1.073e-05
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400
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10000
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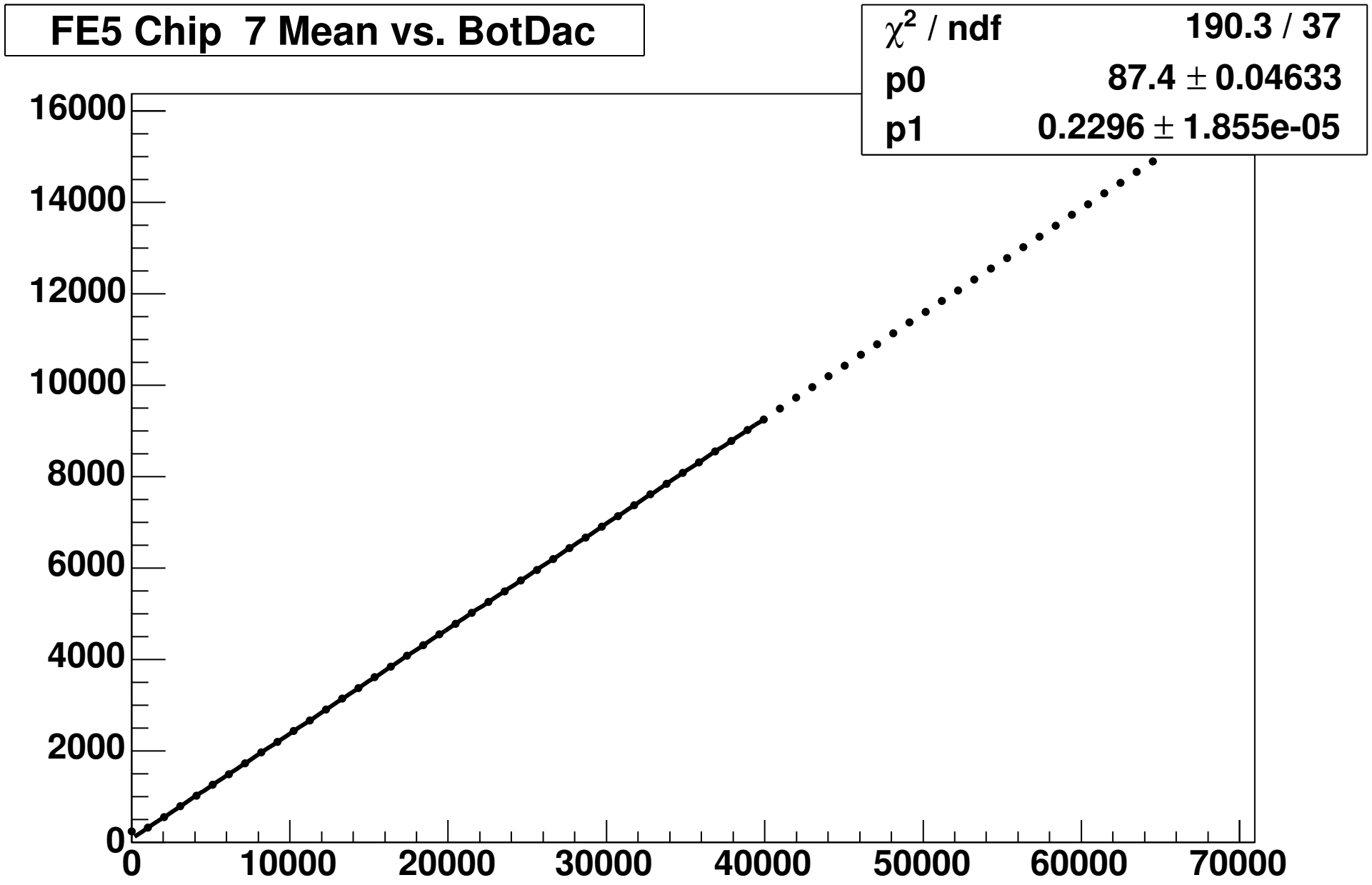
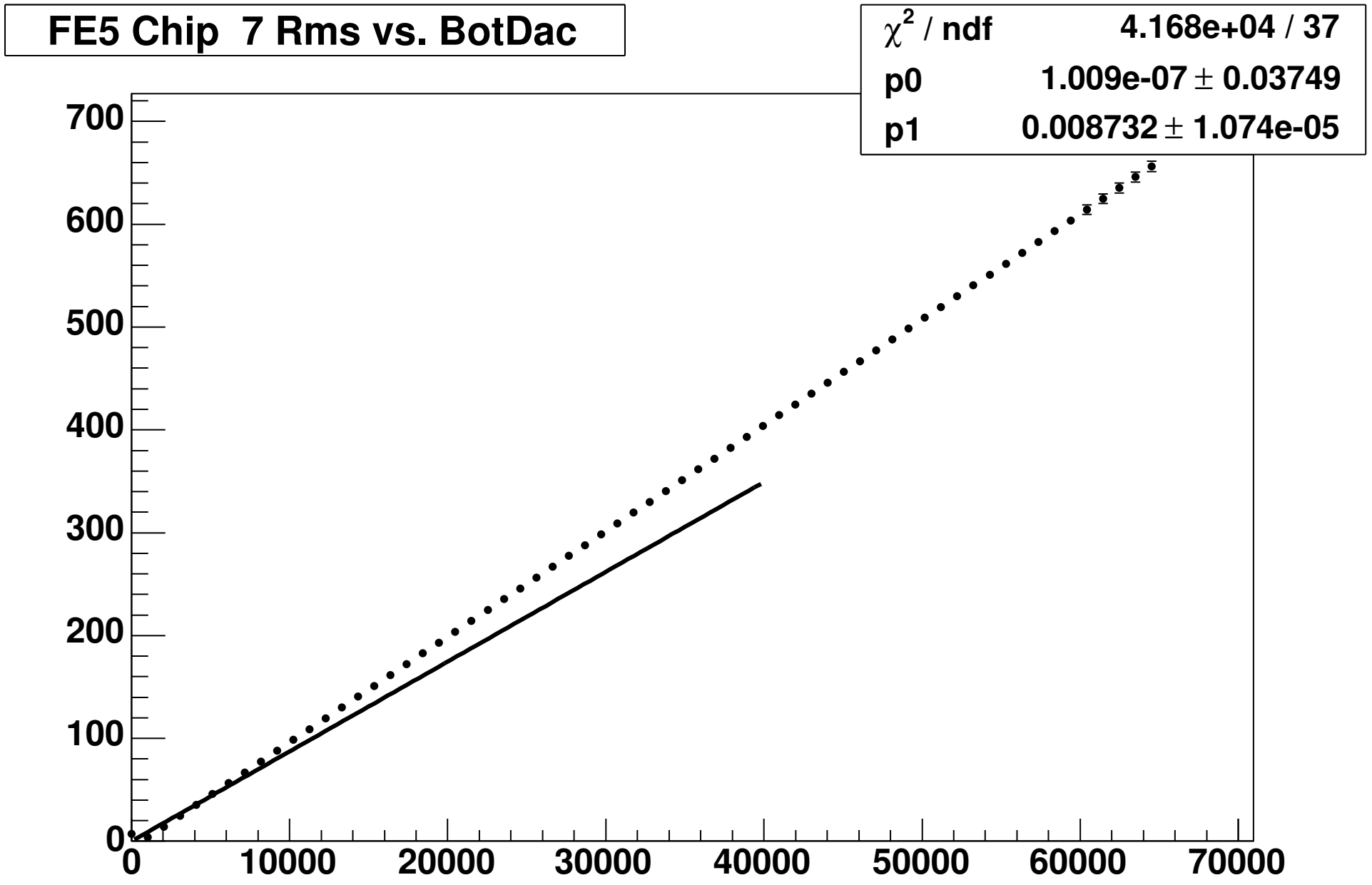

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 190.3 / 37
p0 87.4 ± 0.04633
p1 0.2296 ± 1.855e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 4.168e+04 / 37
p0 1.009e-07 ± 0.03749
p1 0.008732 ± 1.074e-05
700
600
500
400
300
200
100
0
0
10000
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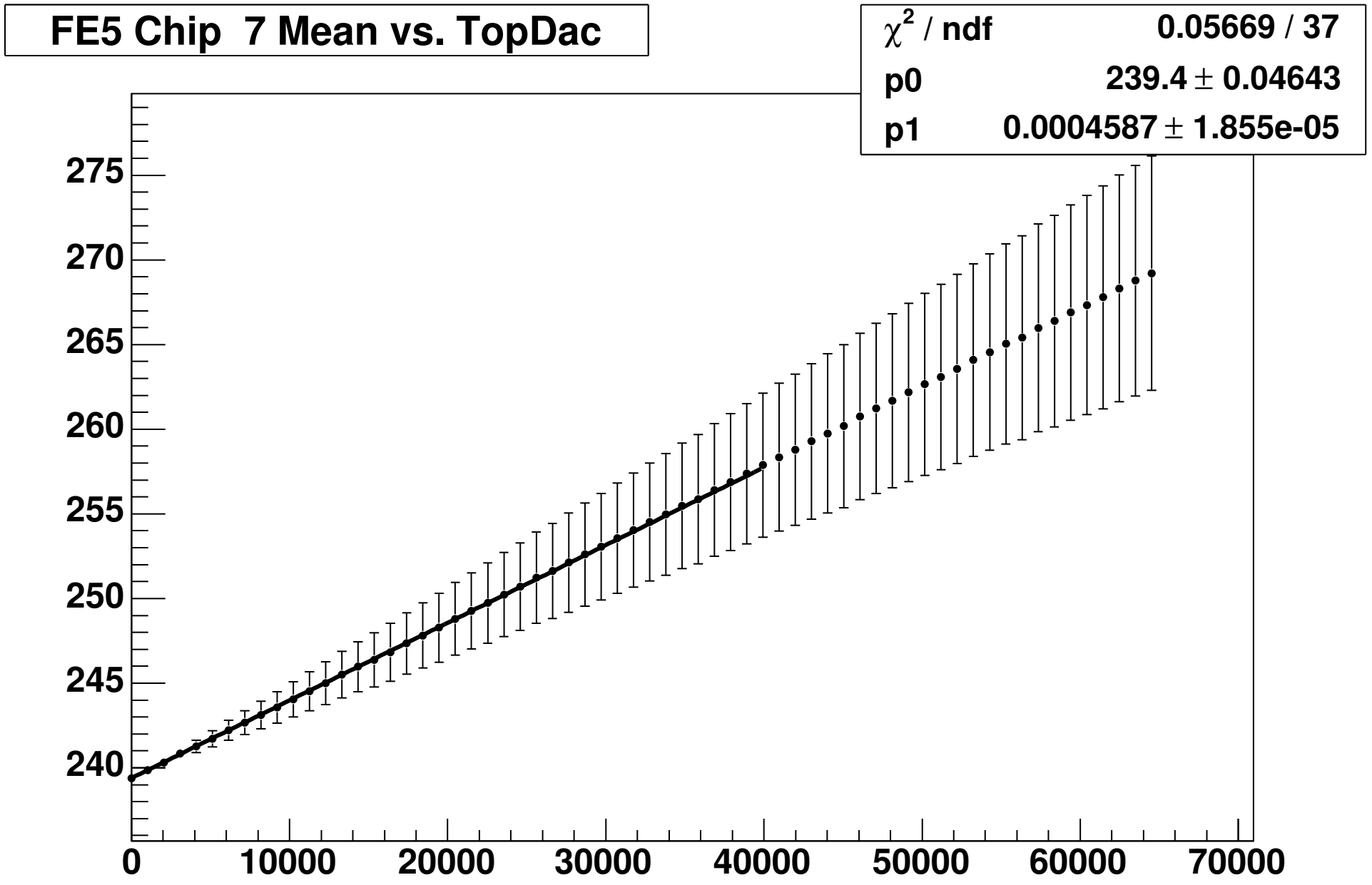
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 0.05669 / 37
p0 239.4 ± 0.04643
p1 0.0004587 ± 1.855e-05
275
270
265
260
255
250
245
240
0
10000
20000
30000
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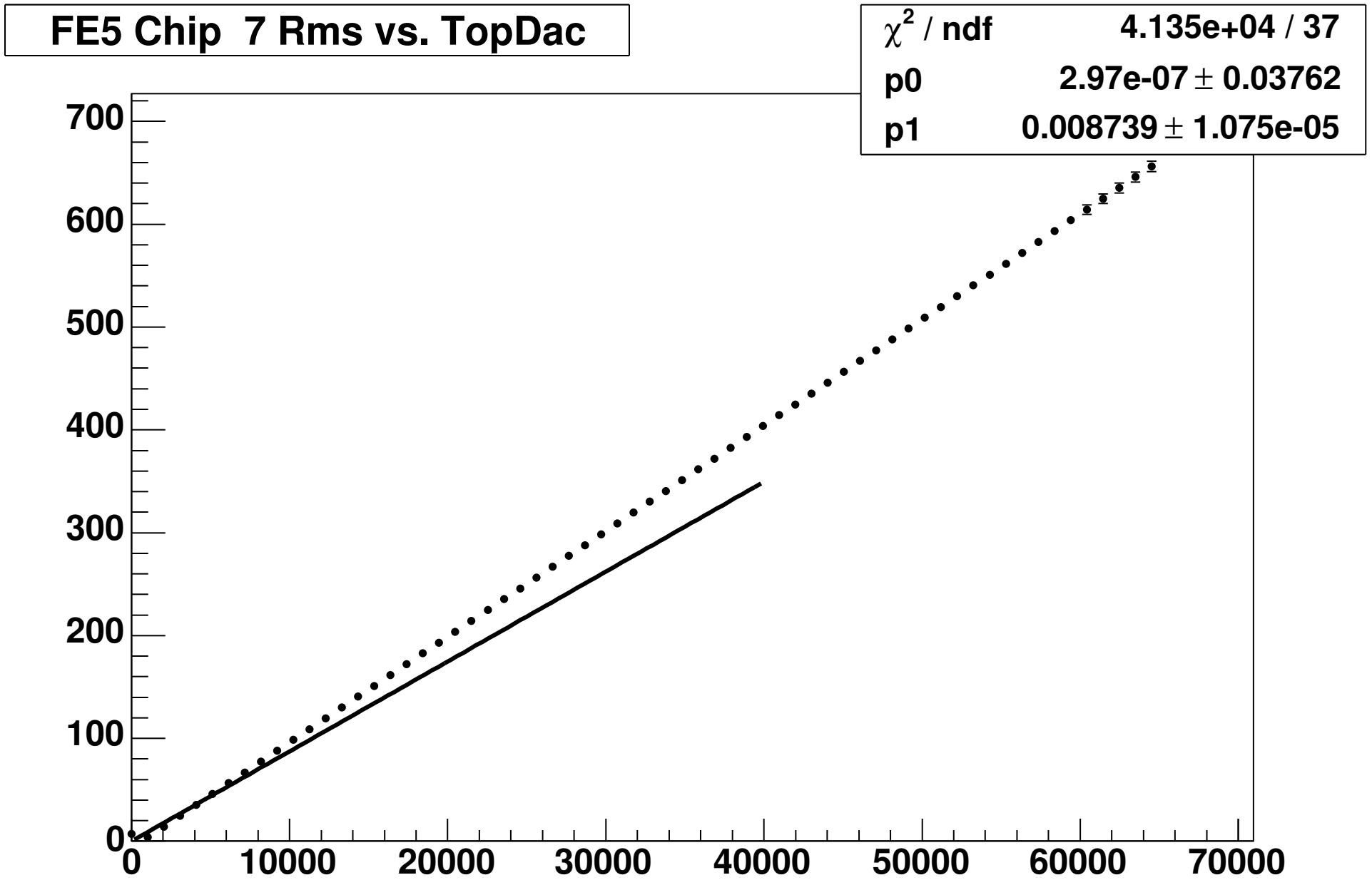
FE5 Chip 7 Rms vs. TopDac
χ² / ndf 4.135e+04 / 37
p0 2.97e-07 ± 0.03762
p1 0.008739 ± 1.075e-05
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600
500
400
300
200
100
0
0
10000
20000
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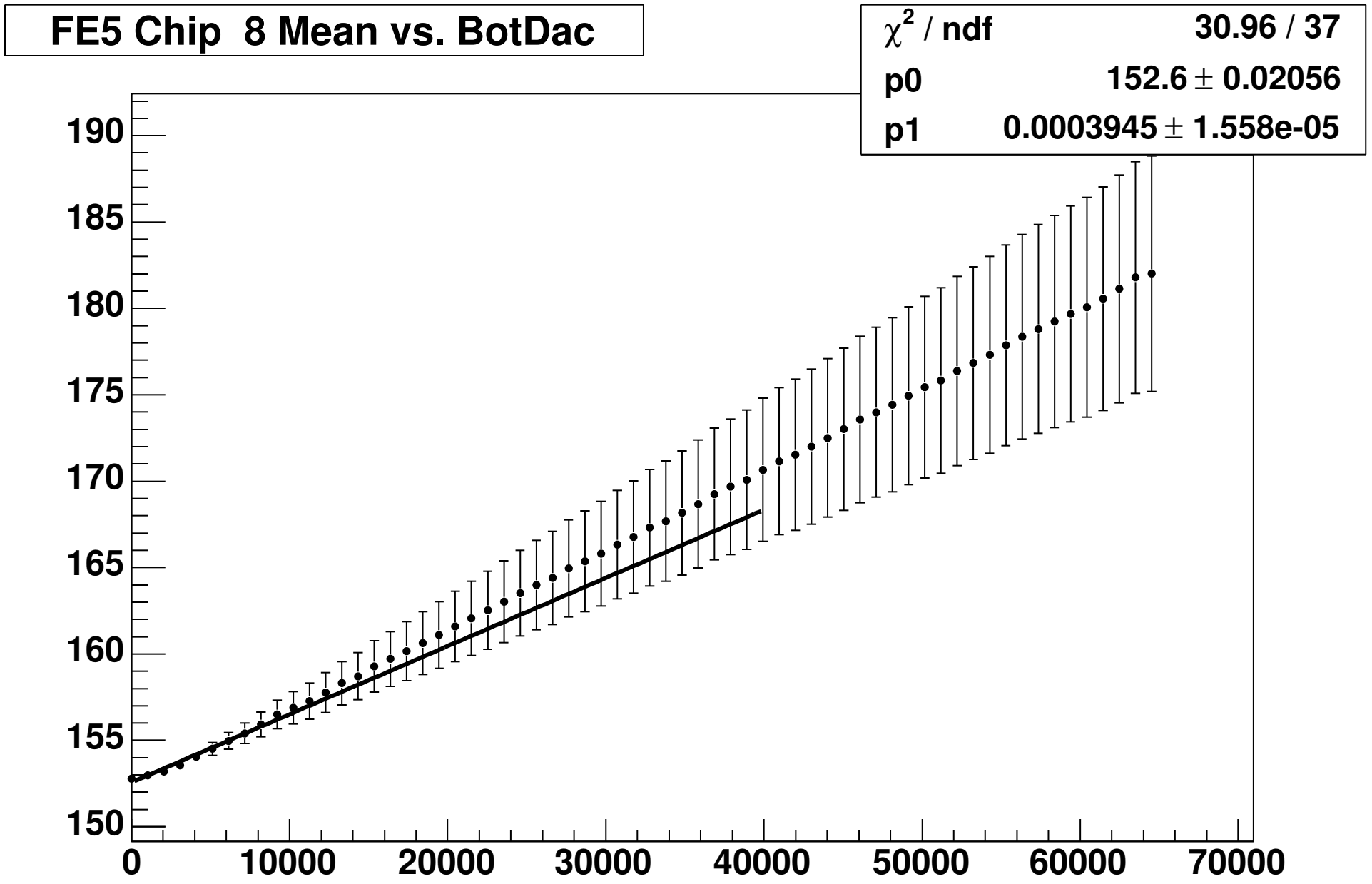
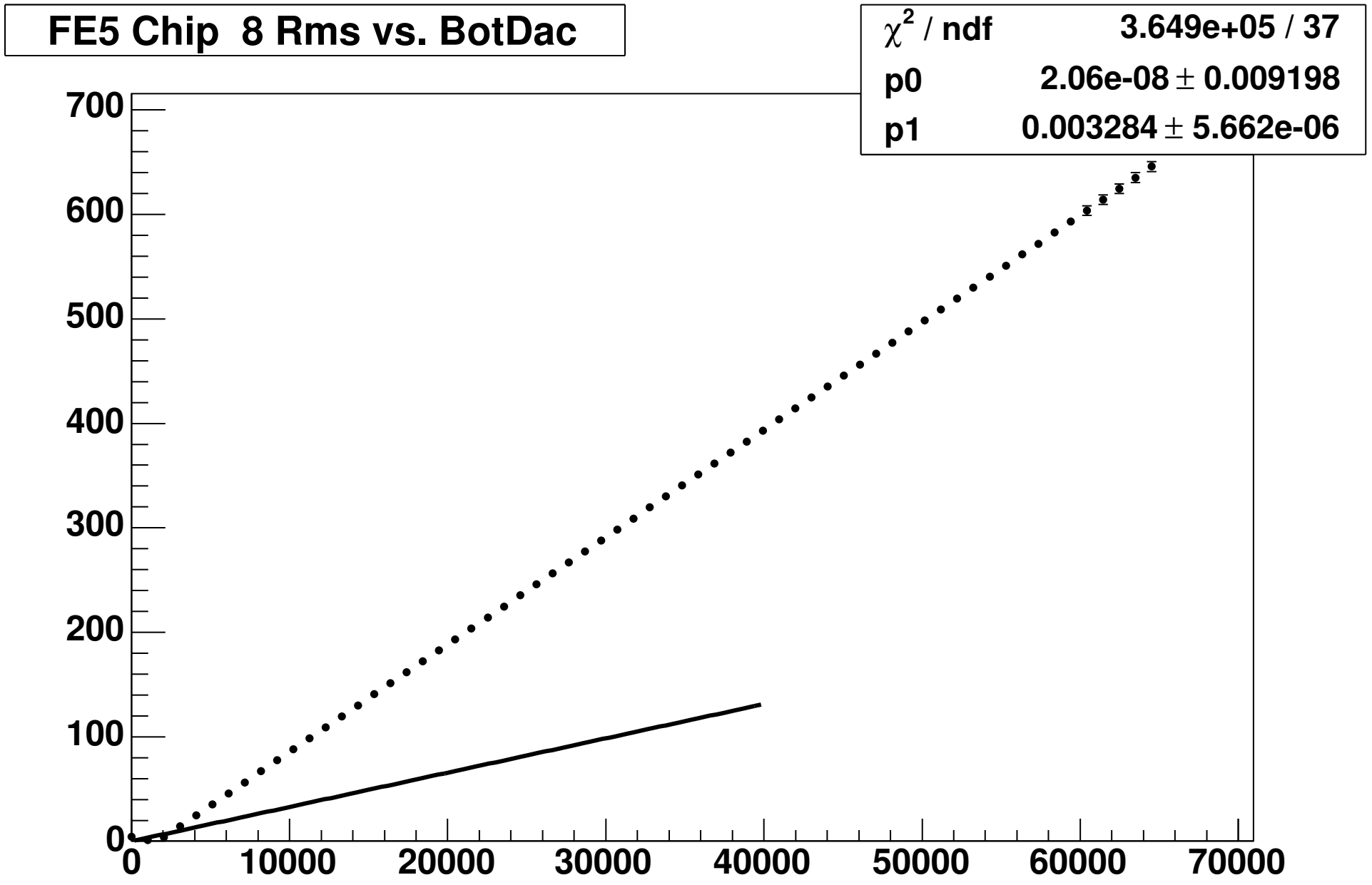
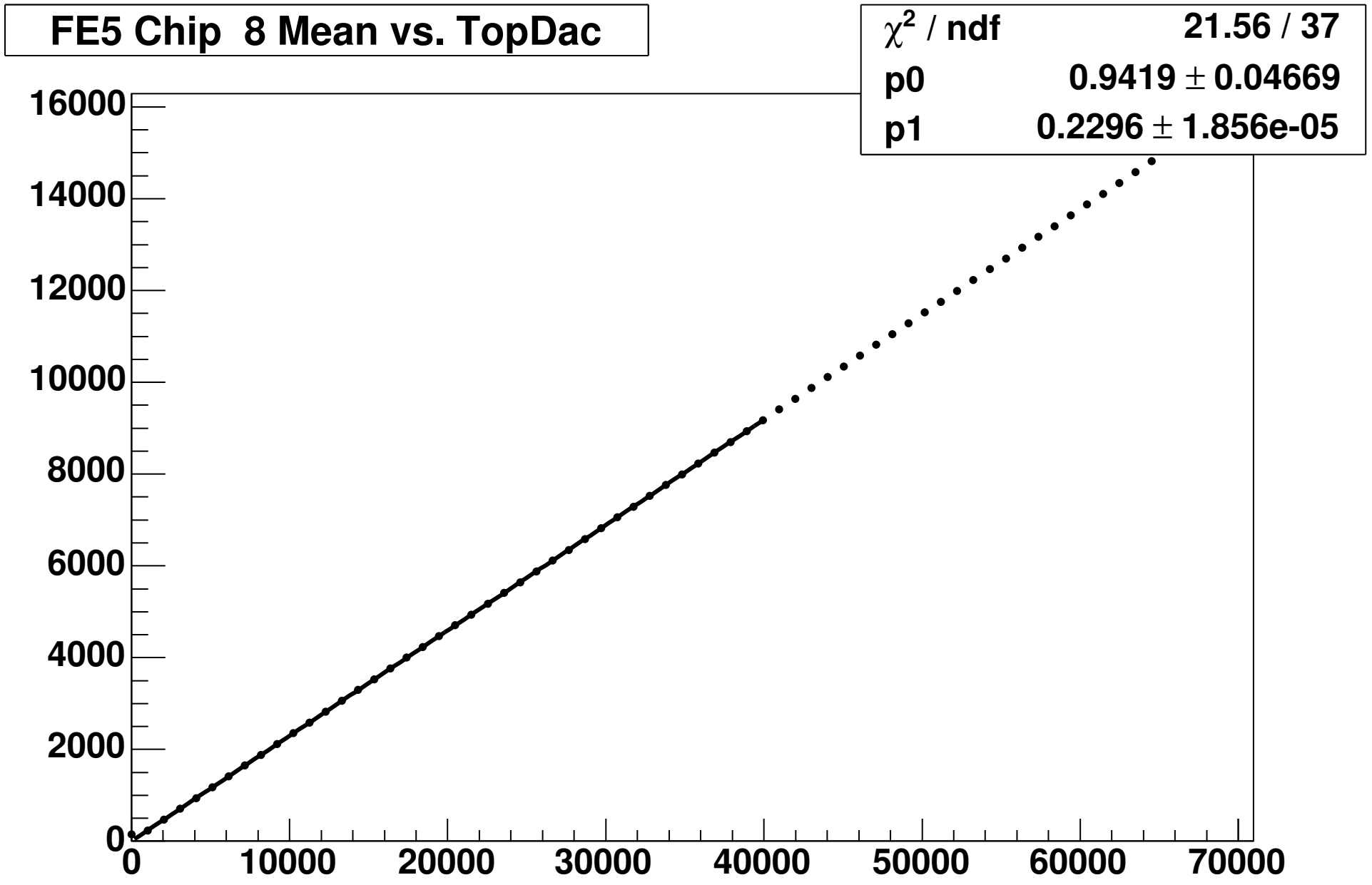
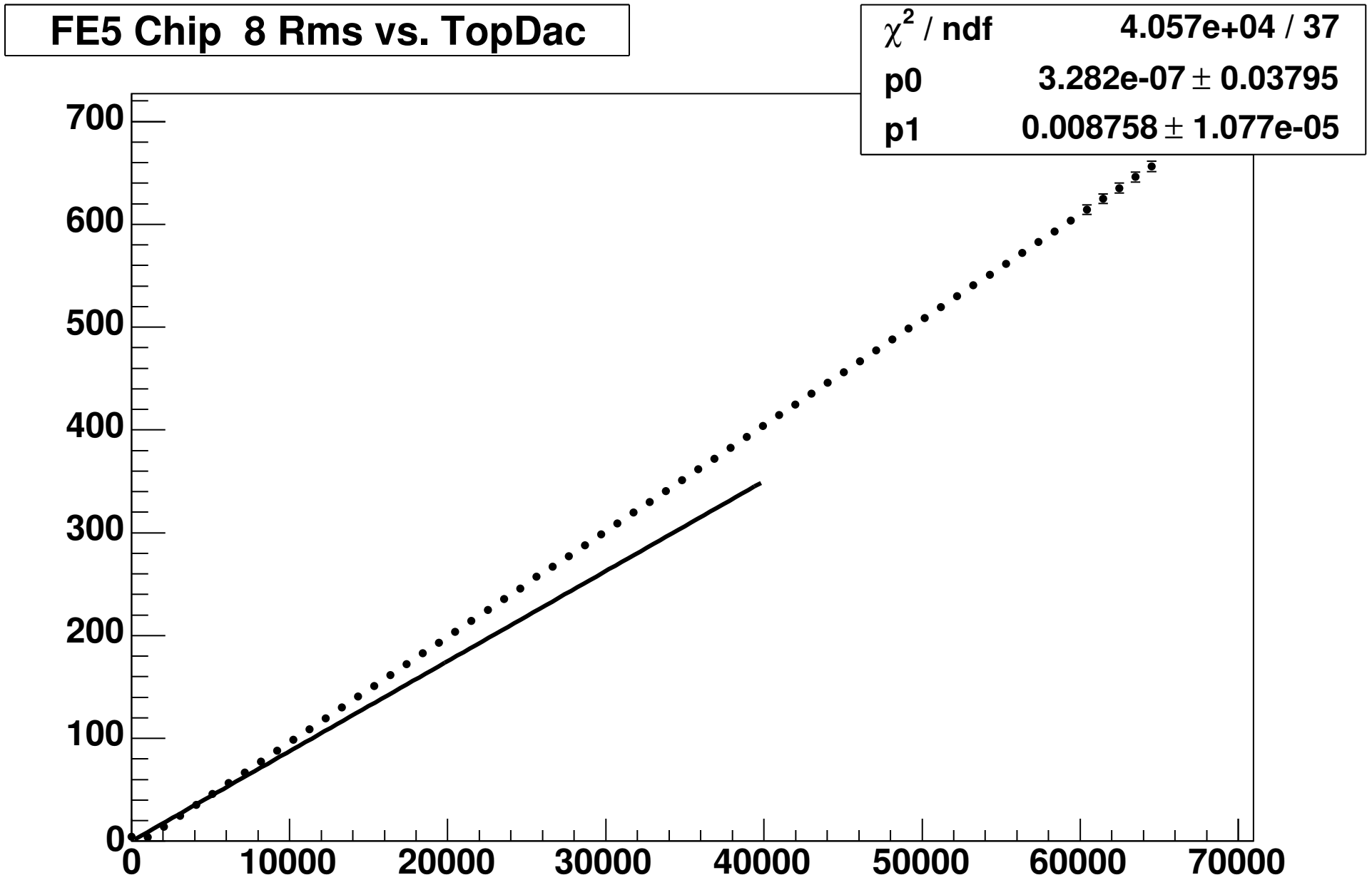

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 30.96 / 37
p0 152.6 ± 0.02056
p1 0.0003945 ± 1.558e-05
190
185
180
175
170
165
160
155
150
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 3.649e+05 / 37
p0 2.06e-08 ± 0.009198
p1 0.003284 ± 5.662e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 21.56 / 37
p0 0.9419 ± 0.04669
p1 0.2296 ± 1.856e-05
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 4.057e+04 / 37
p0 3.282e-07 ± 0.03795
p1 0.008758 ± 1.077e-05
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600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
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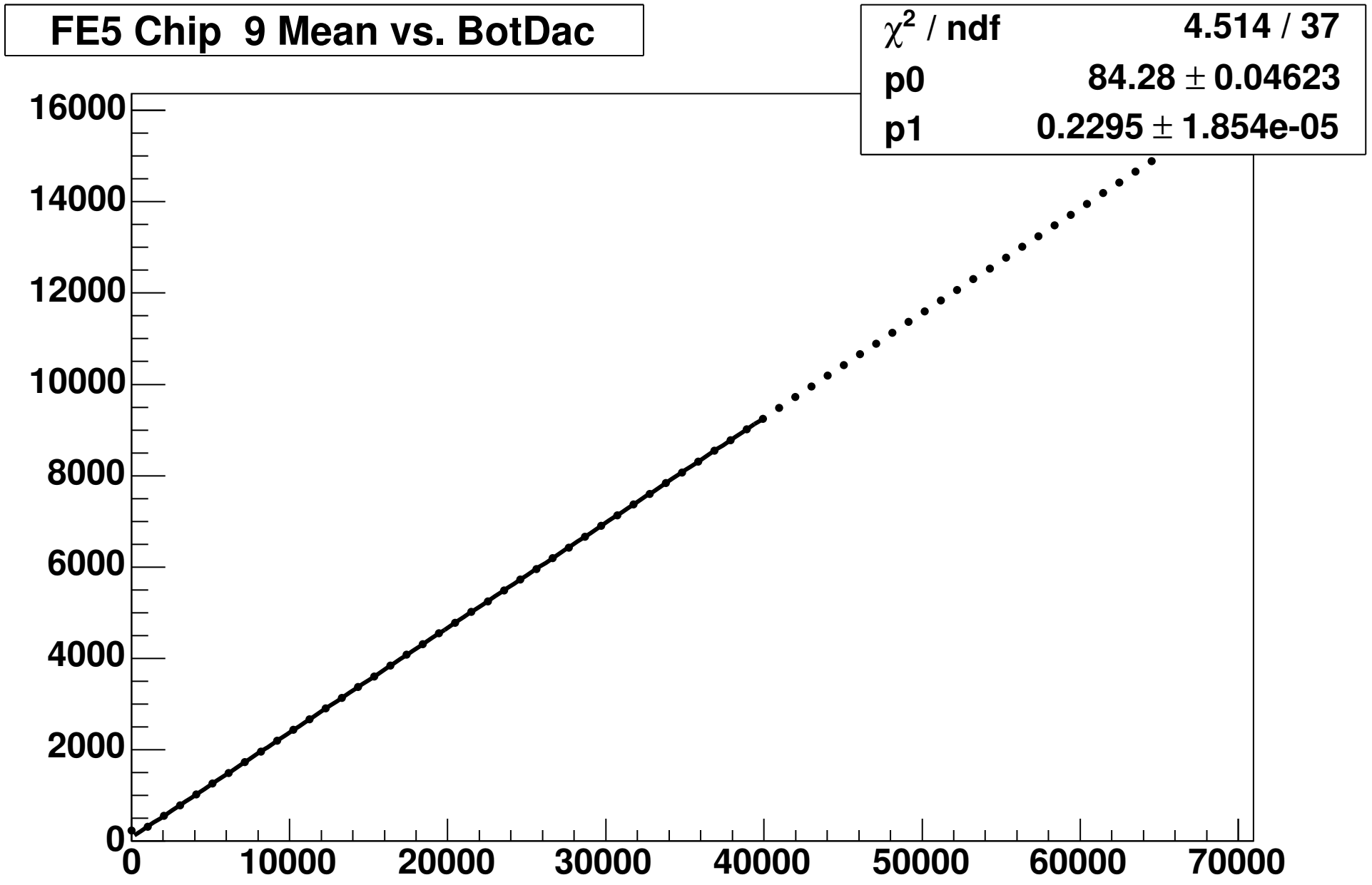
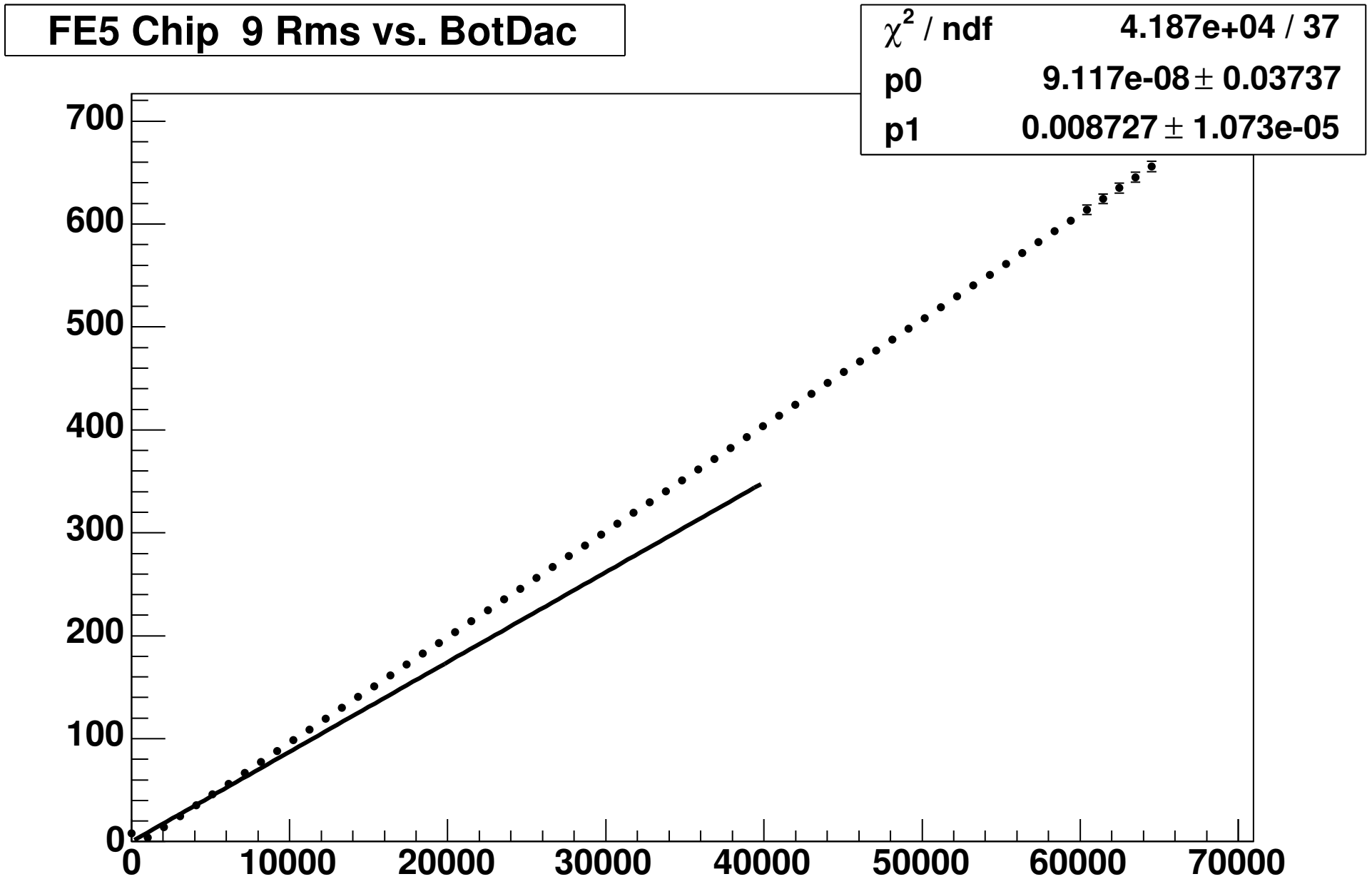
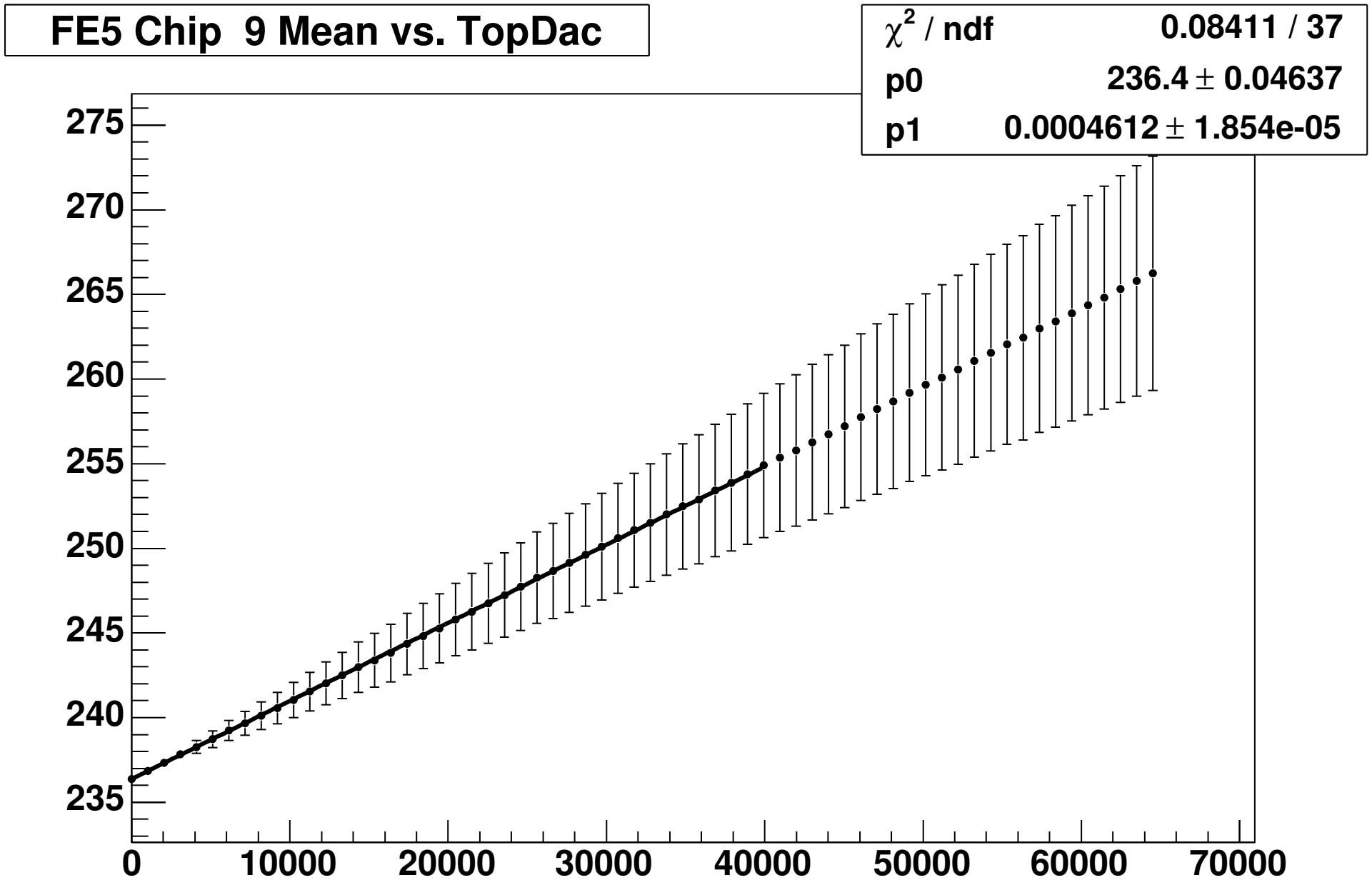

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 4.514 / 37
p0 84.28 ± 0.04623
p1 0.2295 ± 1.854e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 4.187e+04 / 37
p0 9.117e-08 ± 0.03737
p1 0.008727 ± 1.073e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 0.08411 / 37
p0 236.4 ± 0.04637
p1 0.0004612 ± 1.854e-05
275
270
265
260
255
250
245
240
235
0
10000
20000
30000
40000
50000
60000
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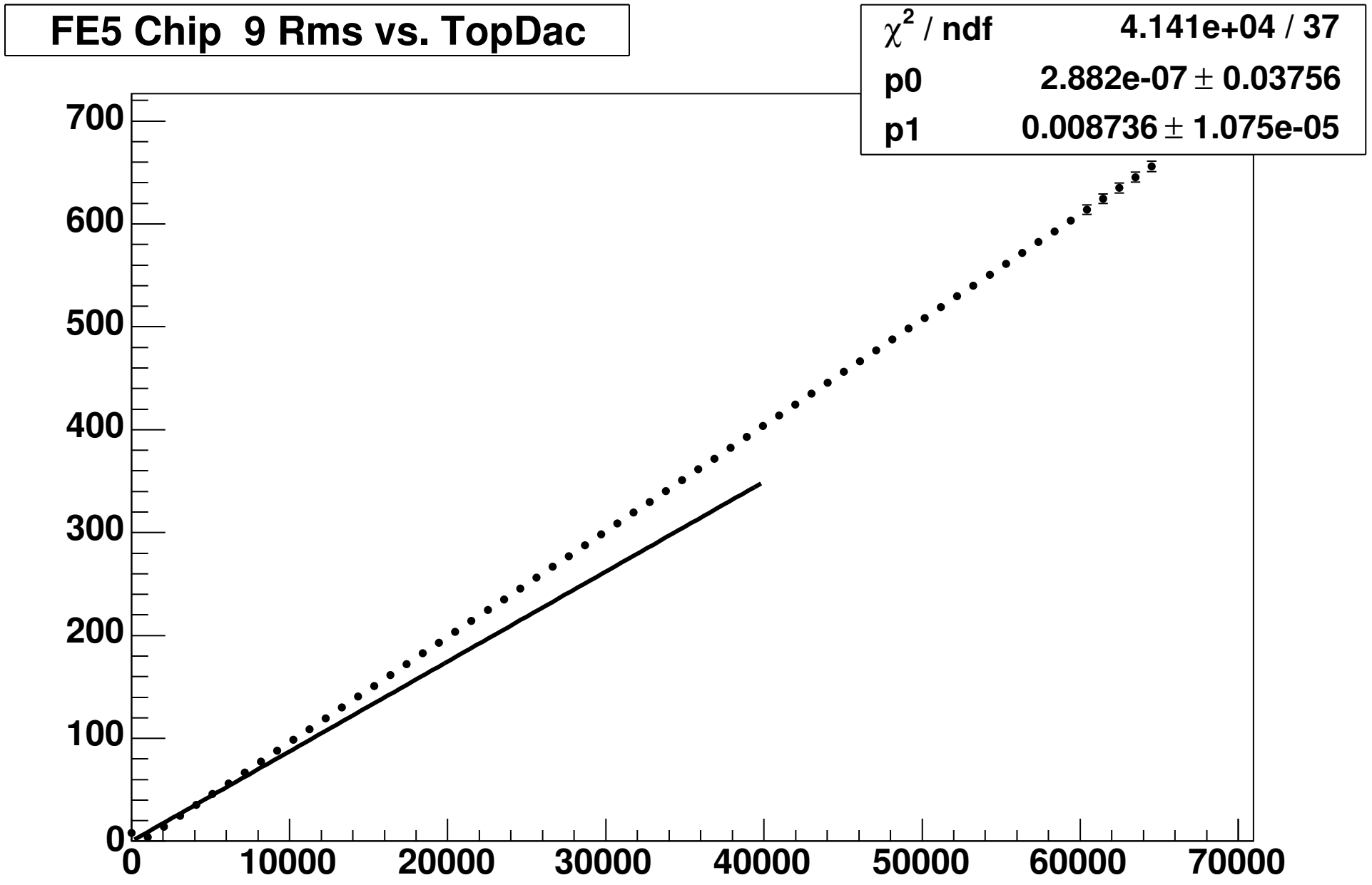
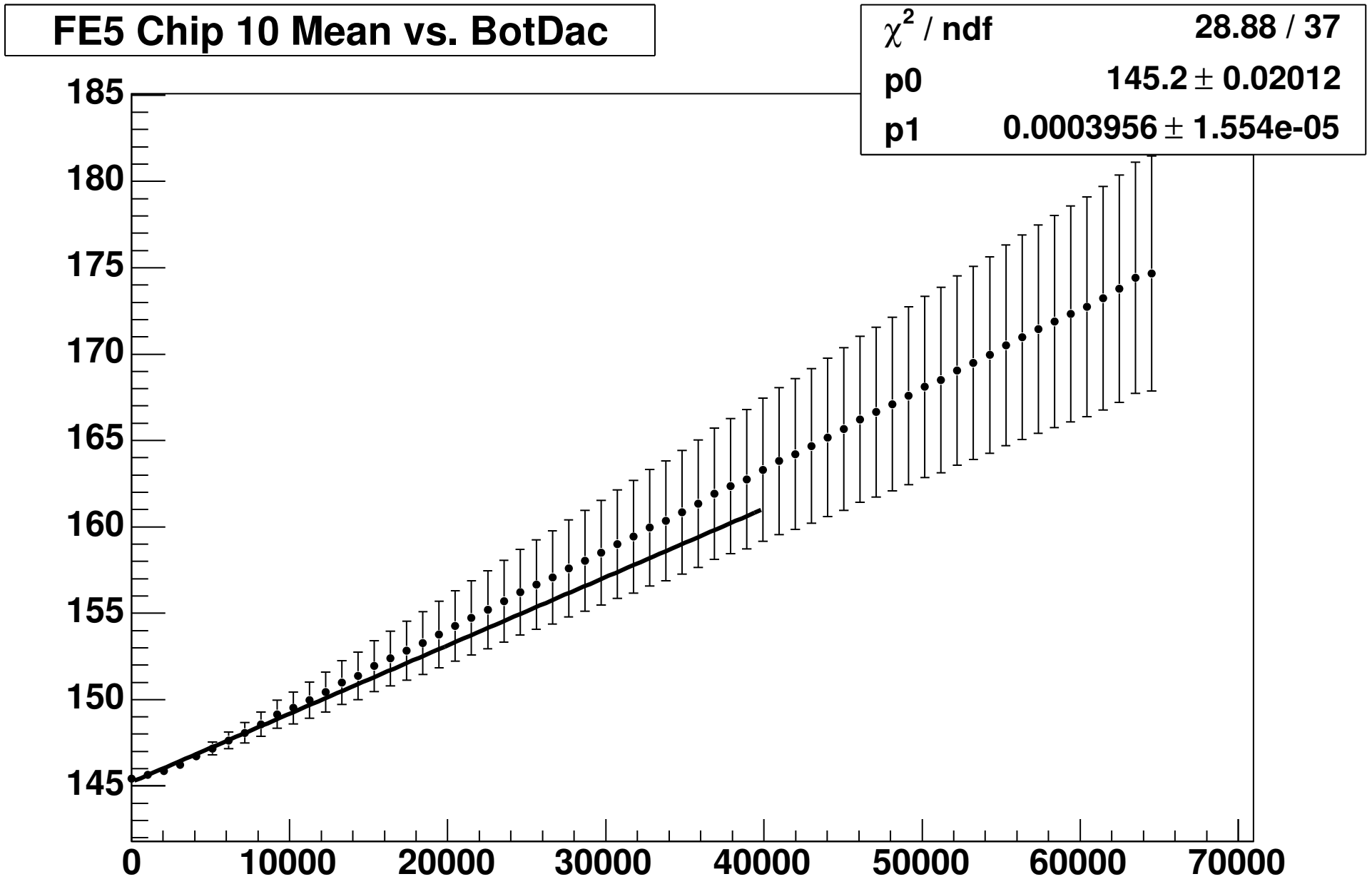
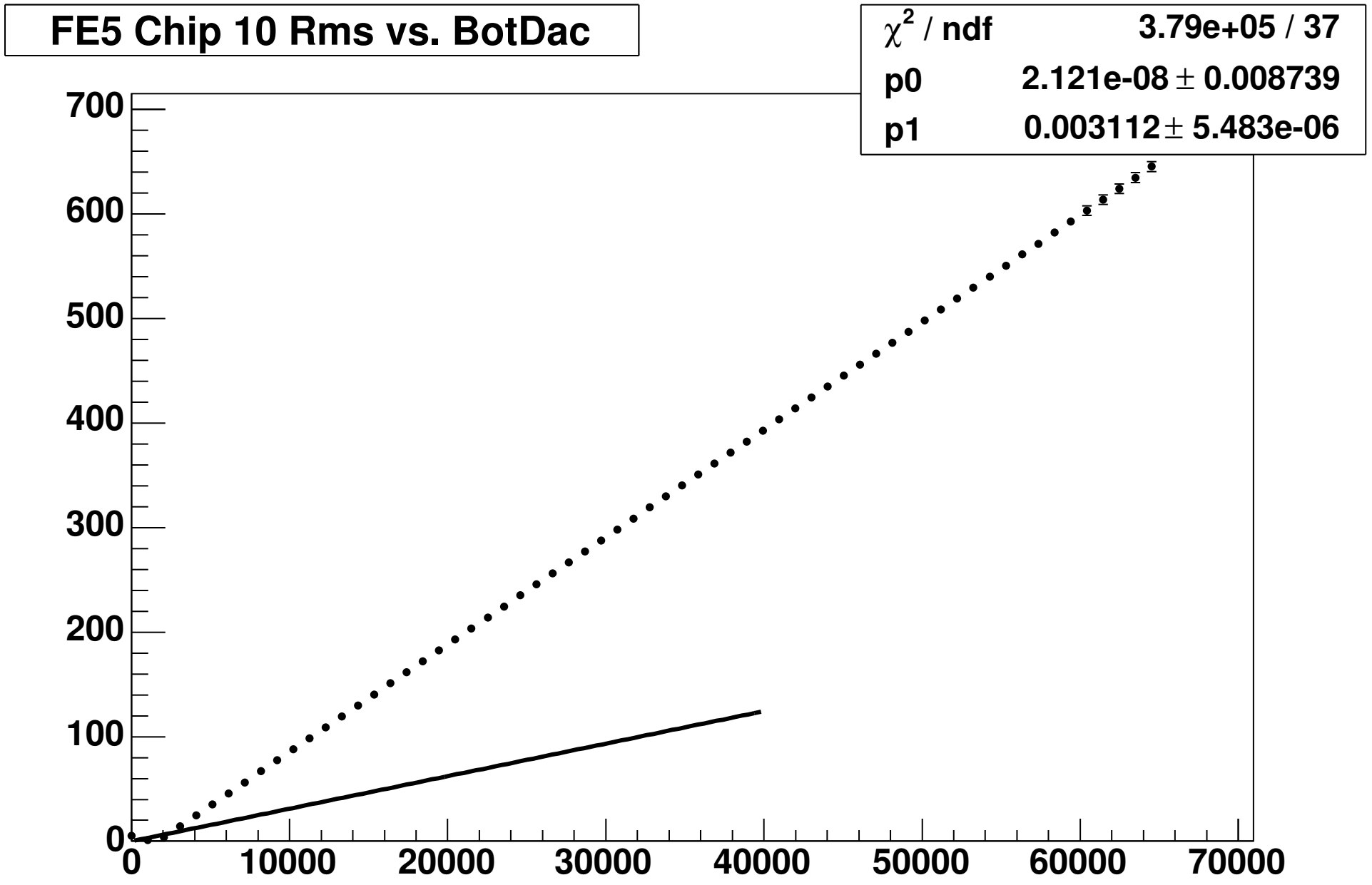
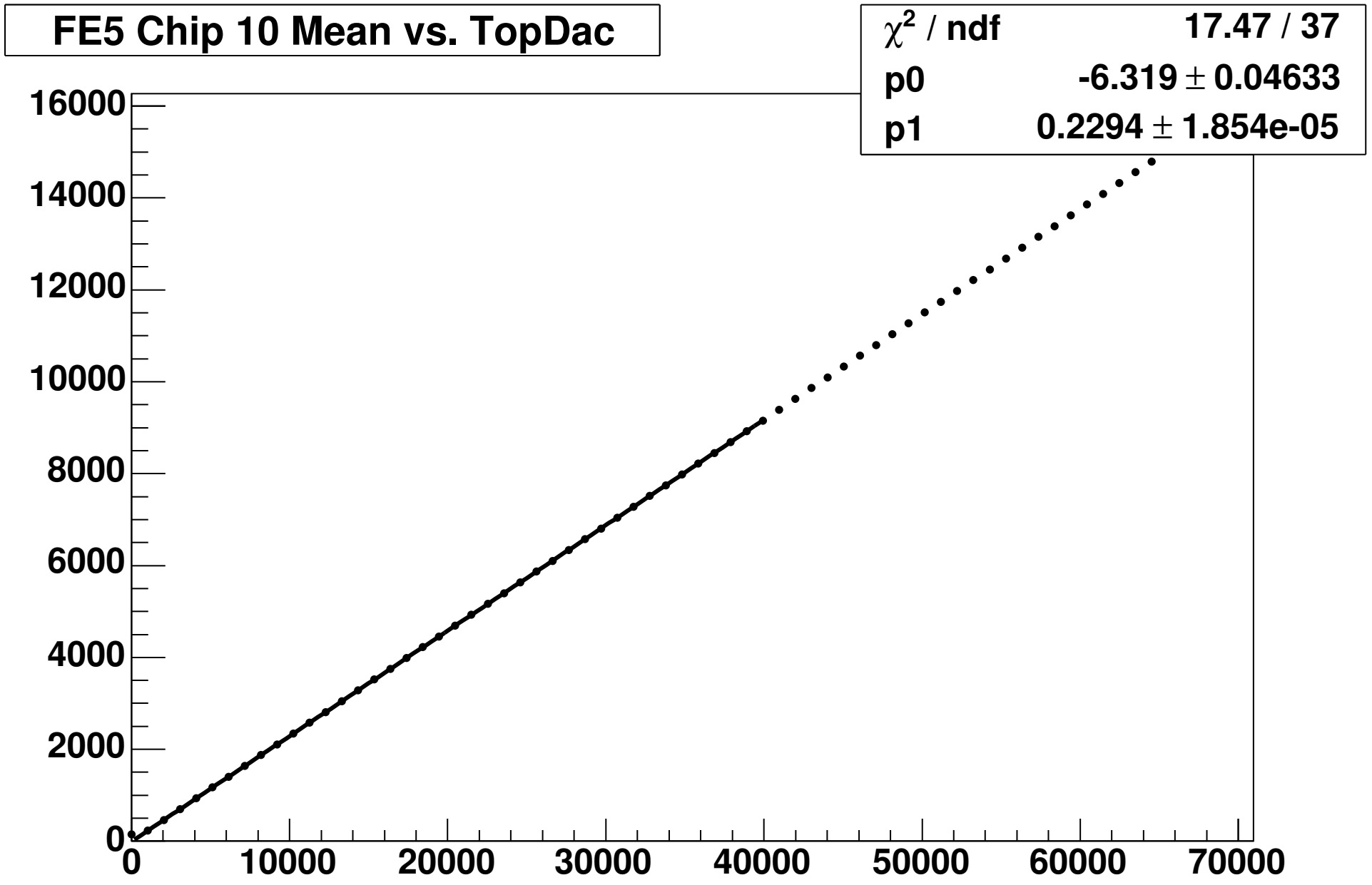

FE5 Chip 9 Rms vs. TopDac
χ^2 / ndf 4.141e+04 / 37
p0 2.882e-07 ± 0.03756
p1 0.008736 ± 1.075e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 28.88 / 37
p0 145.2 ± 0.02012
p1 0.0003956 ± 1.554e-05
185
180
175
170
165
160
155
150
145
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 3.79e+05 / 37
p0 2.121e-08 ± 0.008739
p1 0.003112 ± 5.483e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 17.47 / 37
p0 -6.319 ± 0.04633
p1 0.2294 ± 1.854e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
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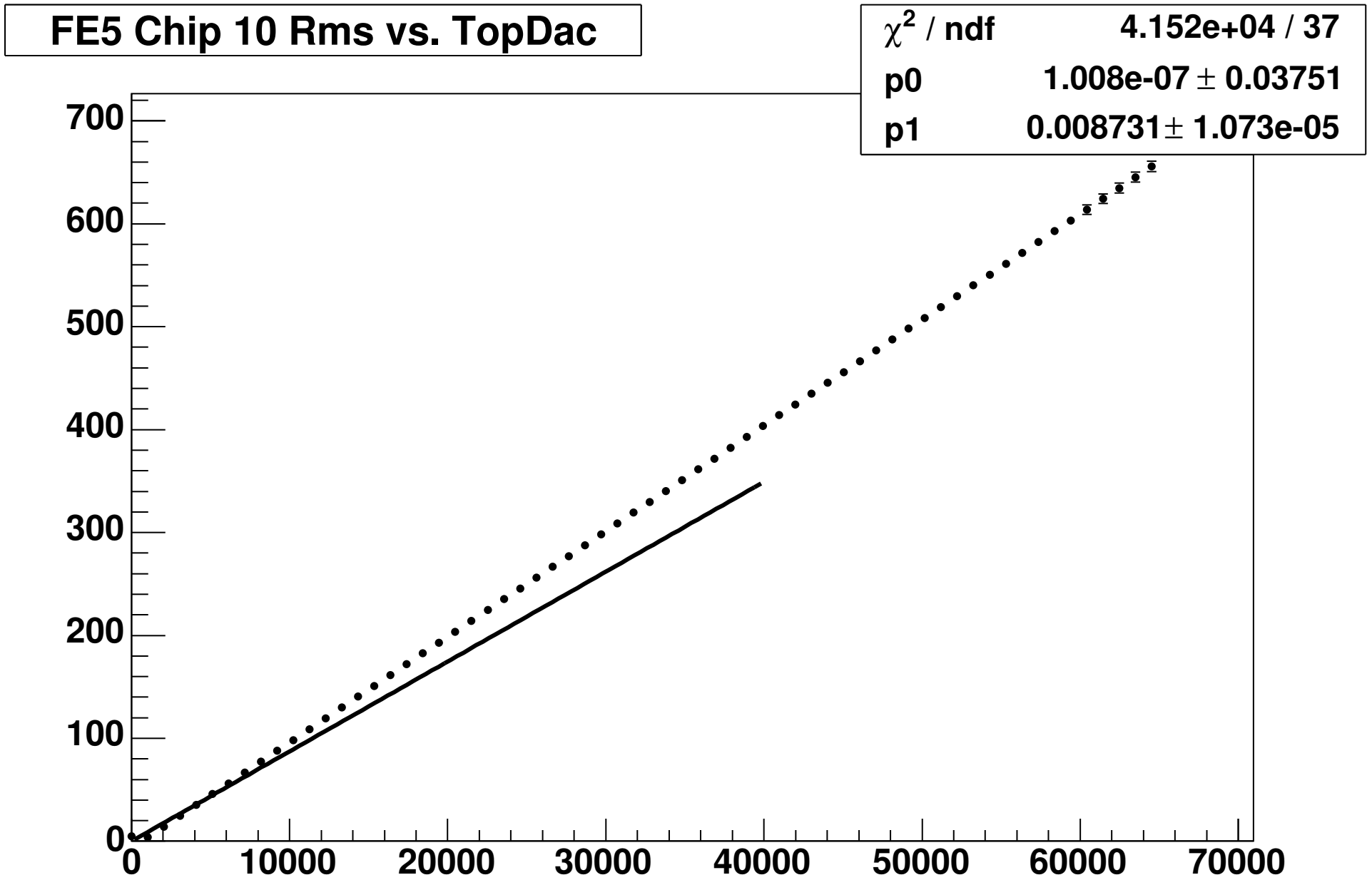
FE5 Chip 10 Rms vs. TopDac
χ² / ndf 4.152e+04 / 37
p0 1.008e-07 ± 0.03751
p1 0.008731 ± 1.073e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
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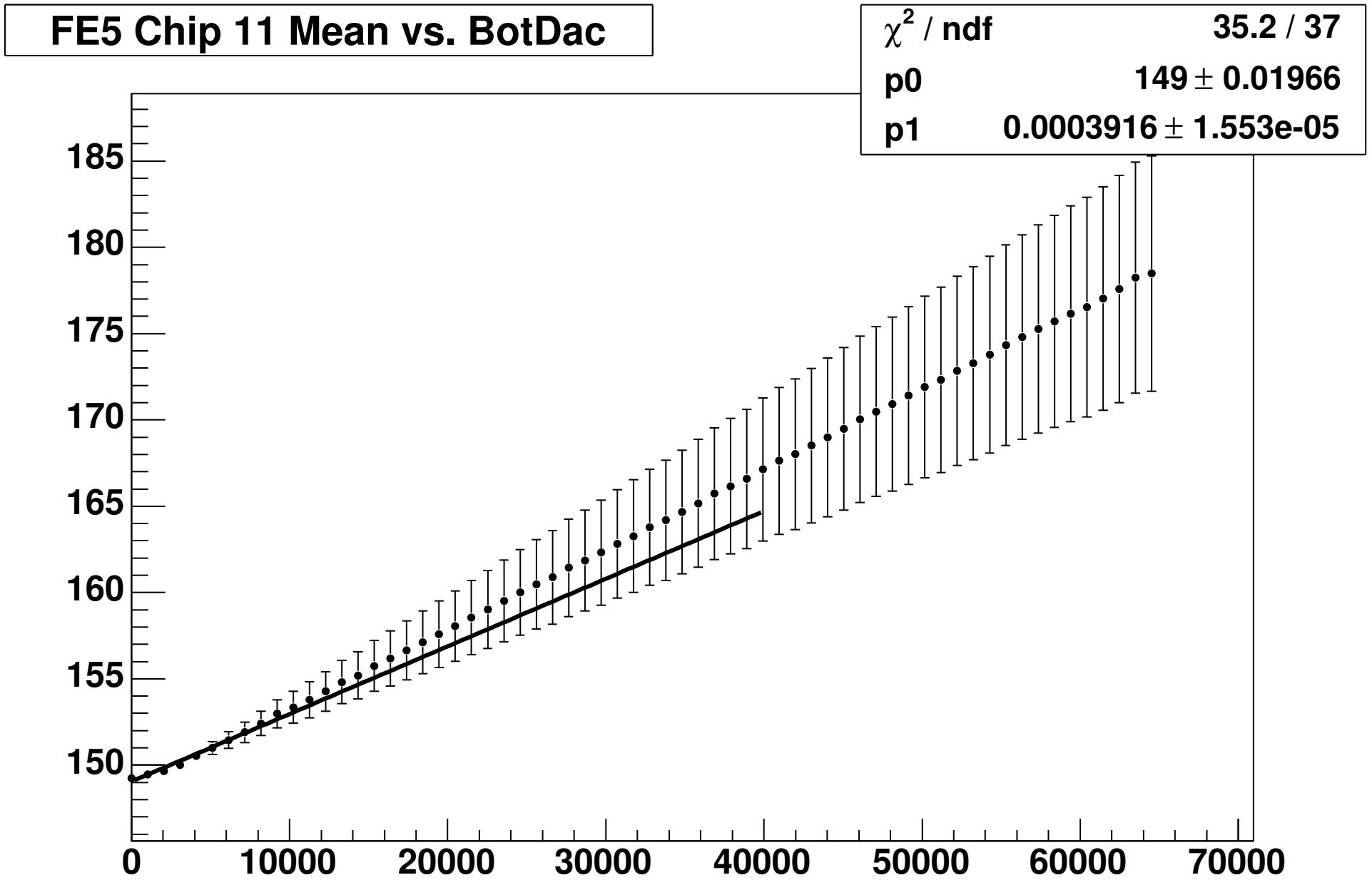
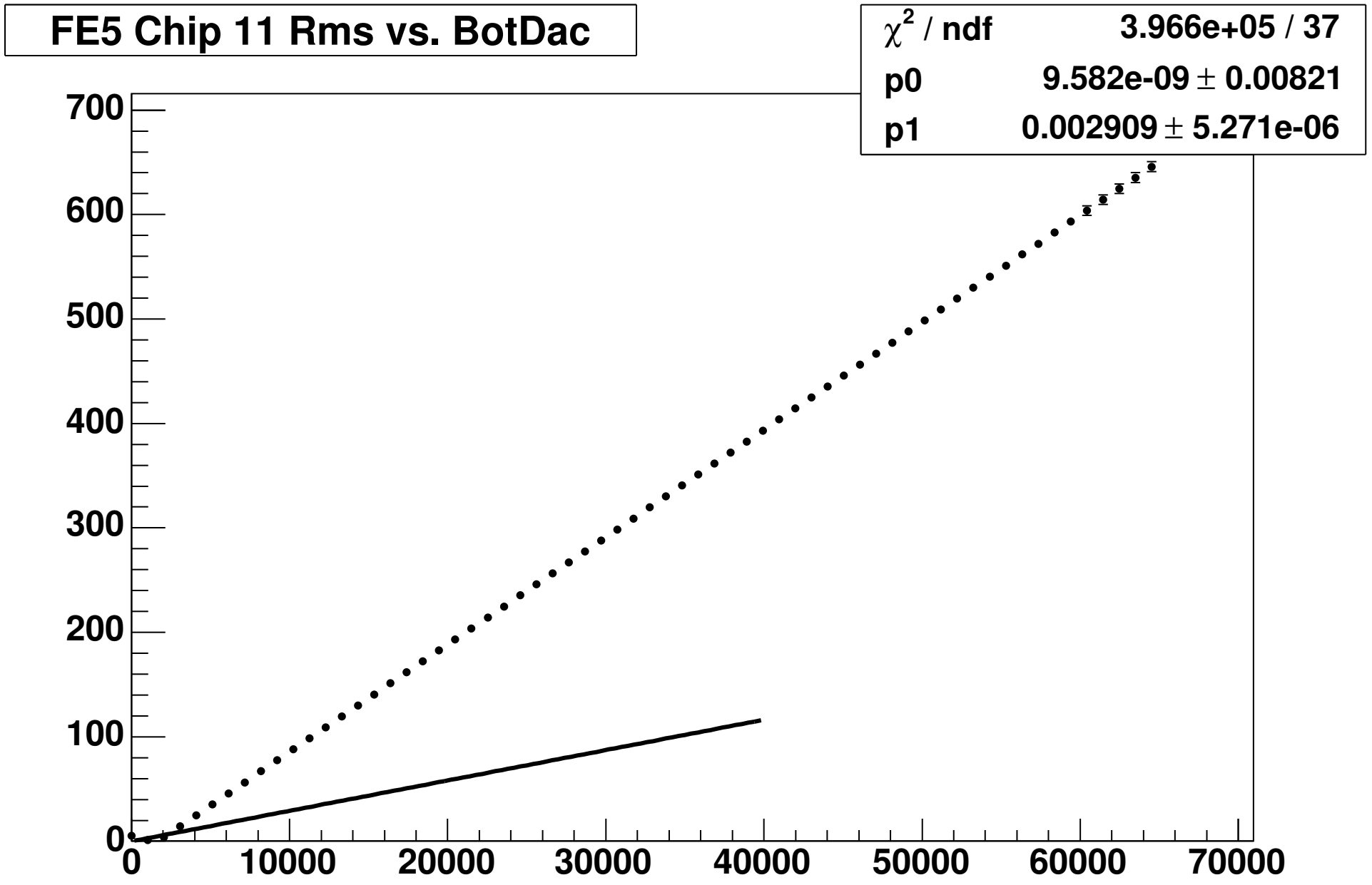
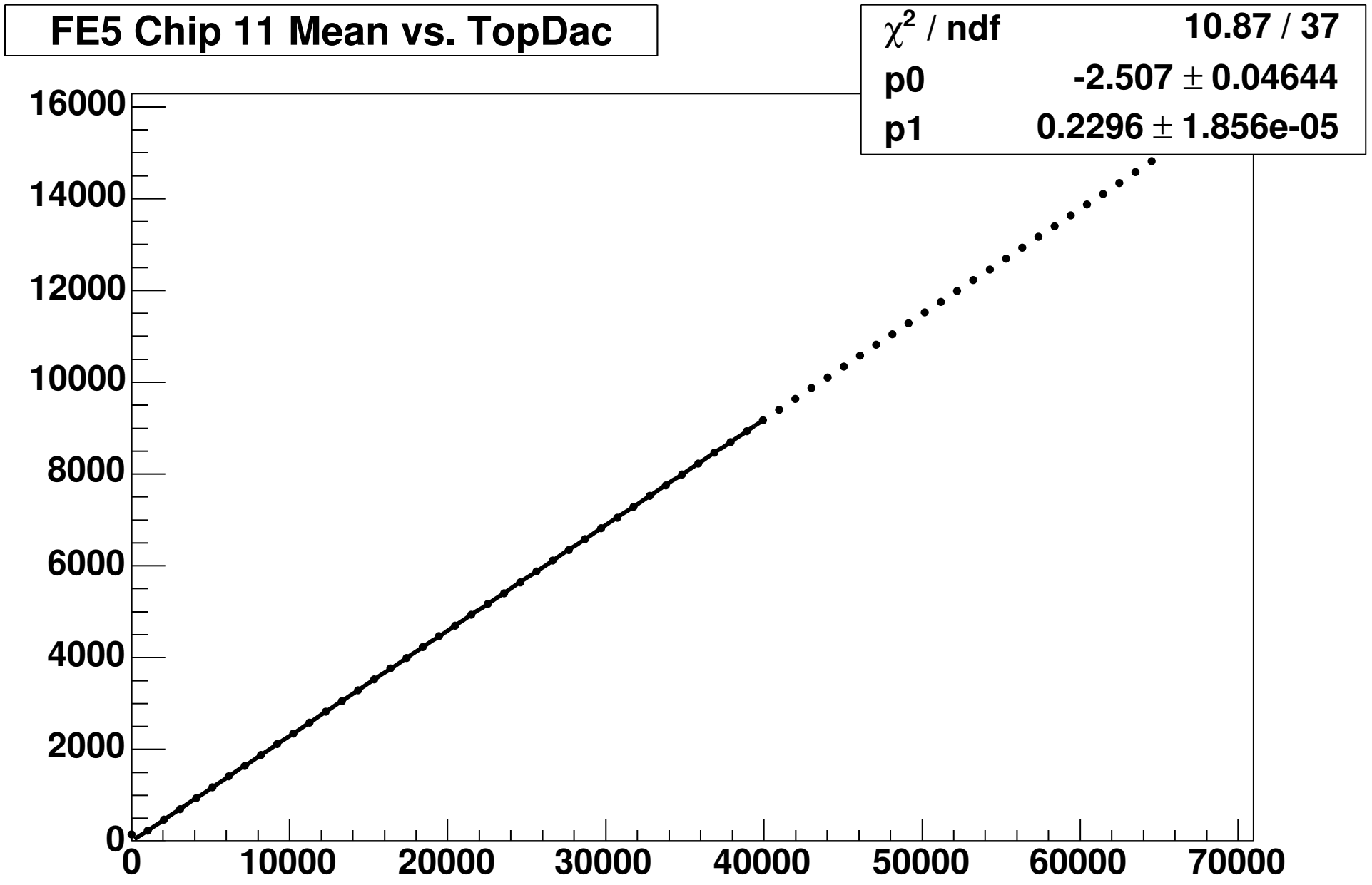
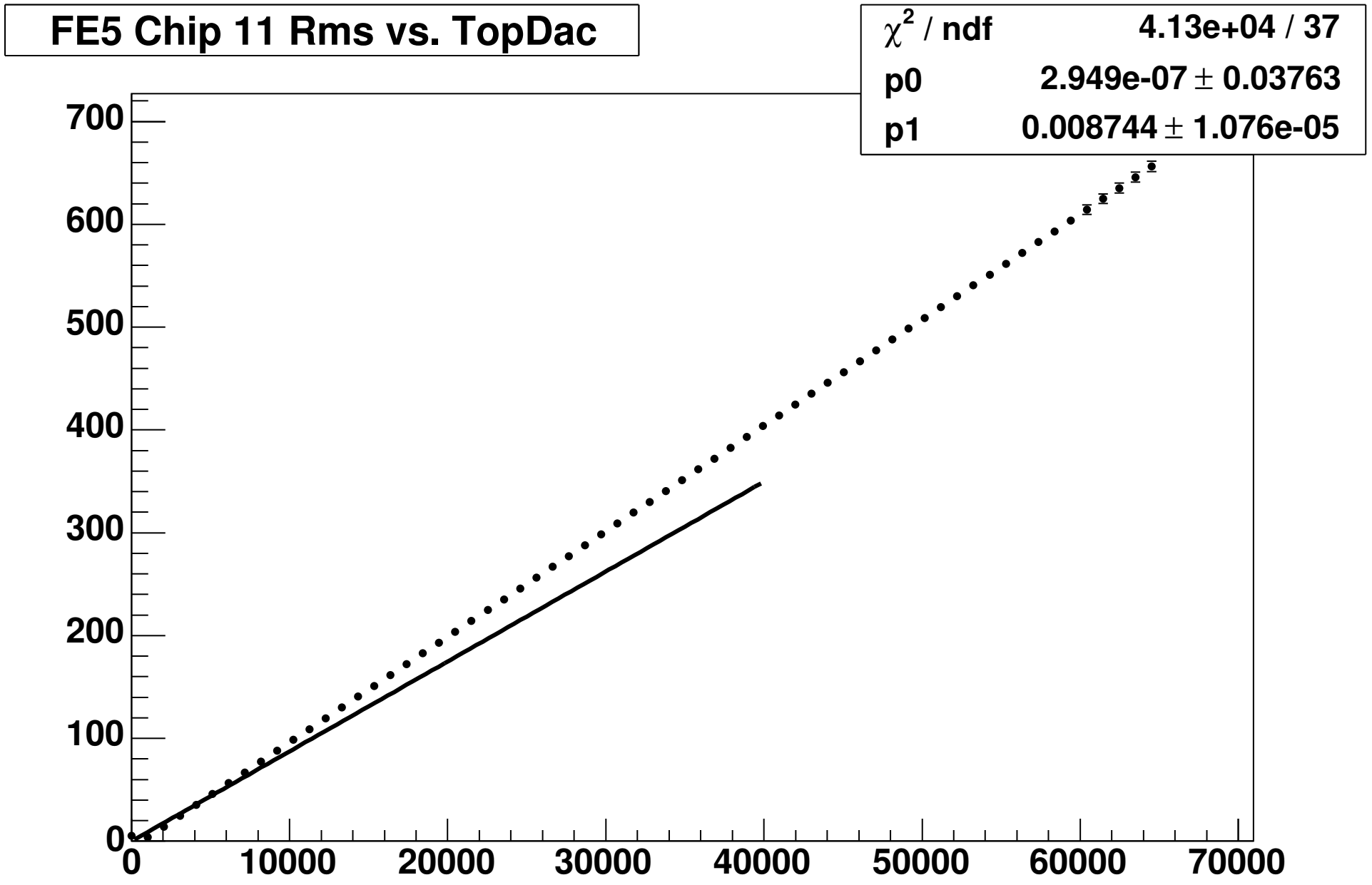
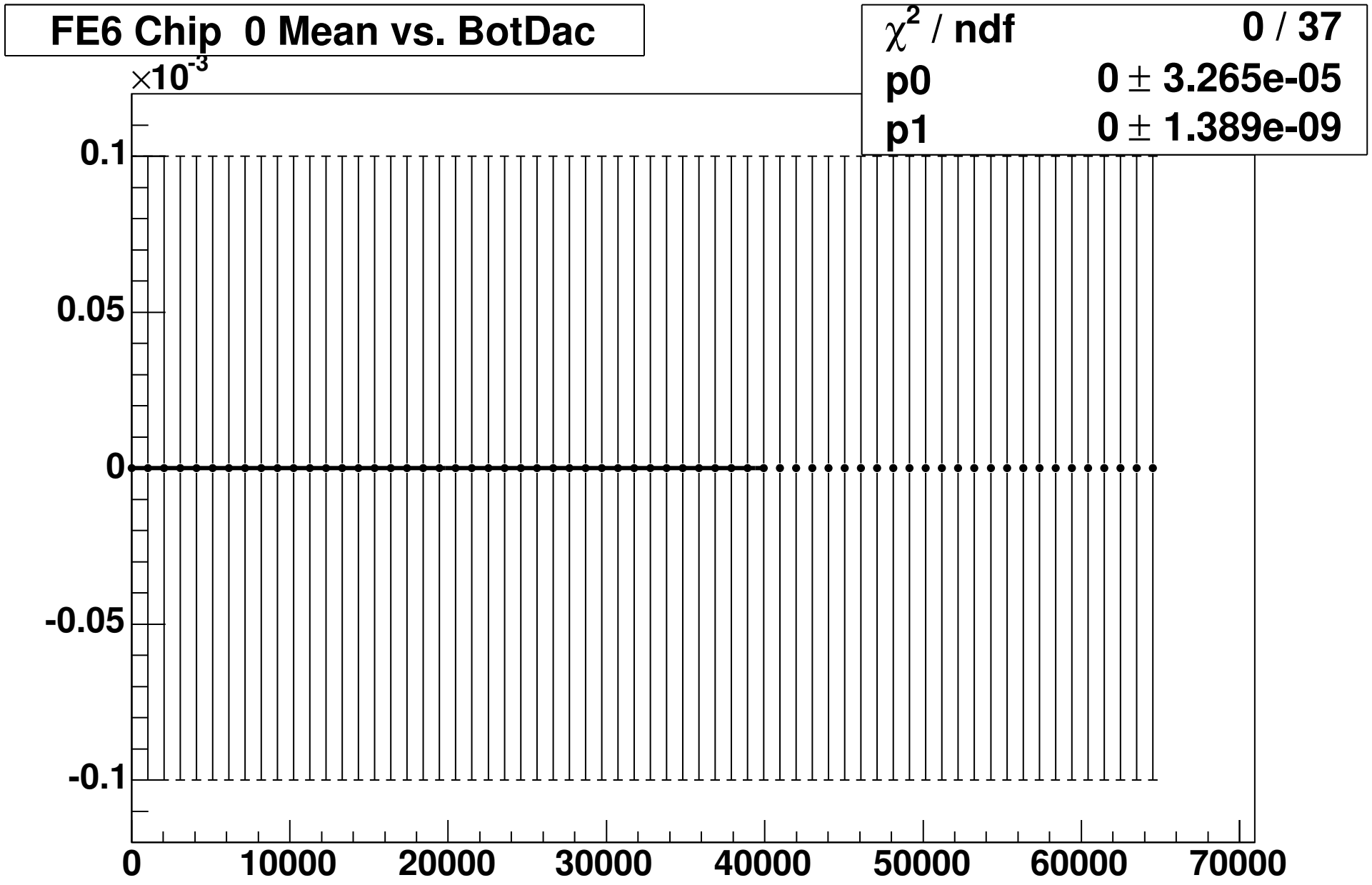
60000
70000

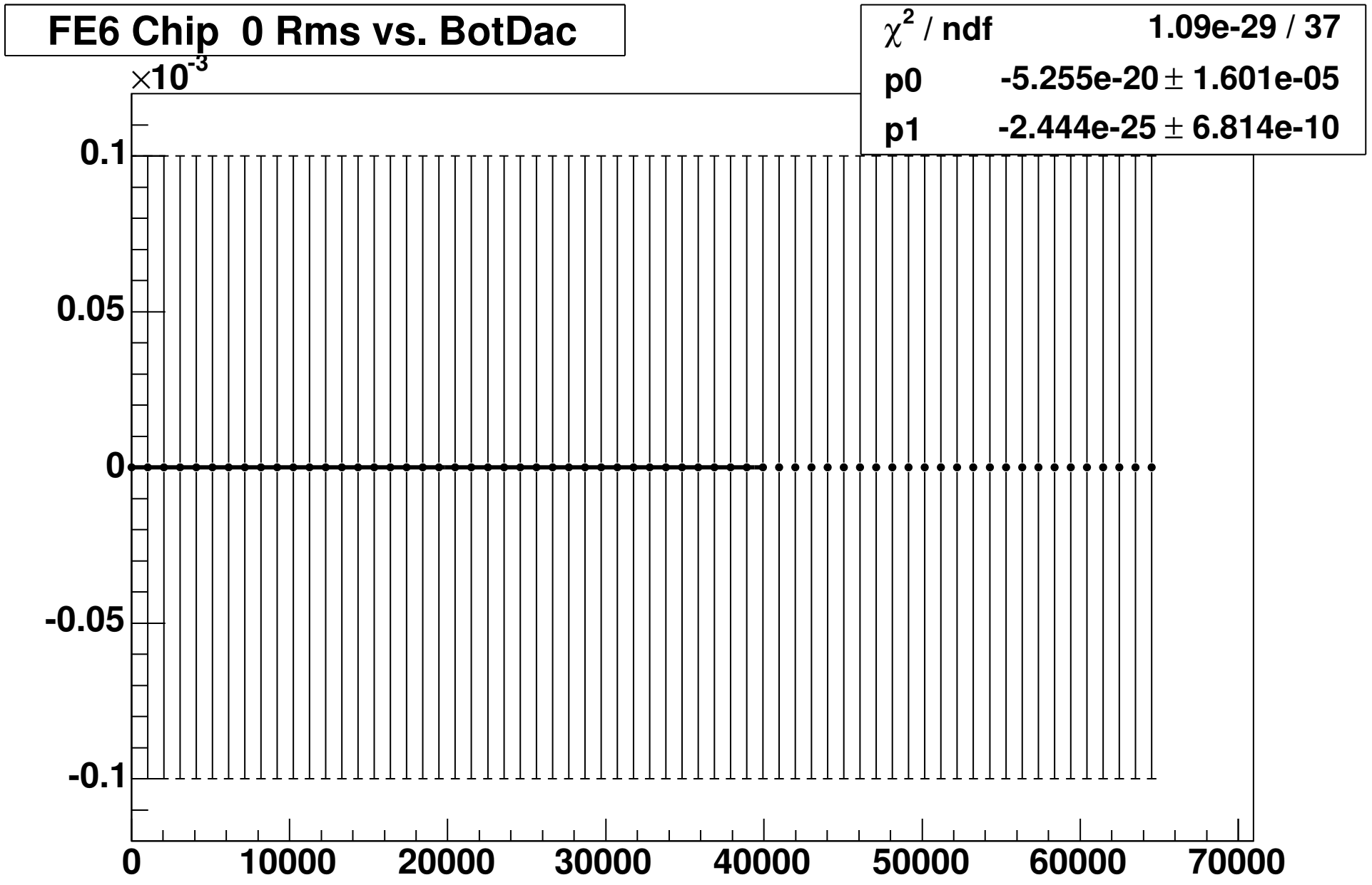

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 35.2 / 37
p0 149 ± 0.01966
p1 0.0003916 ± 1.553e-05
185
180
175
170
165
160
155
150
0
10000
20000
30000
40000
50000
60000
70000

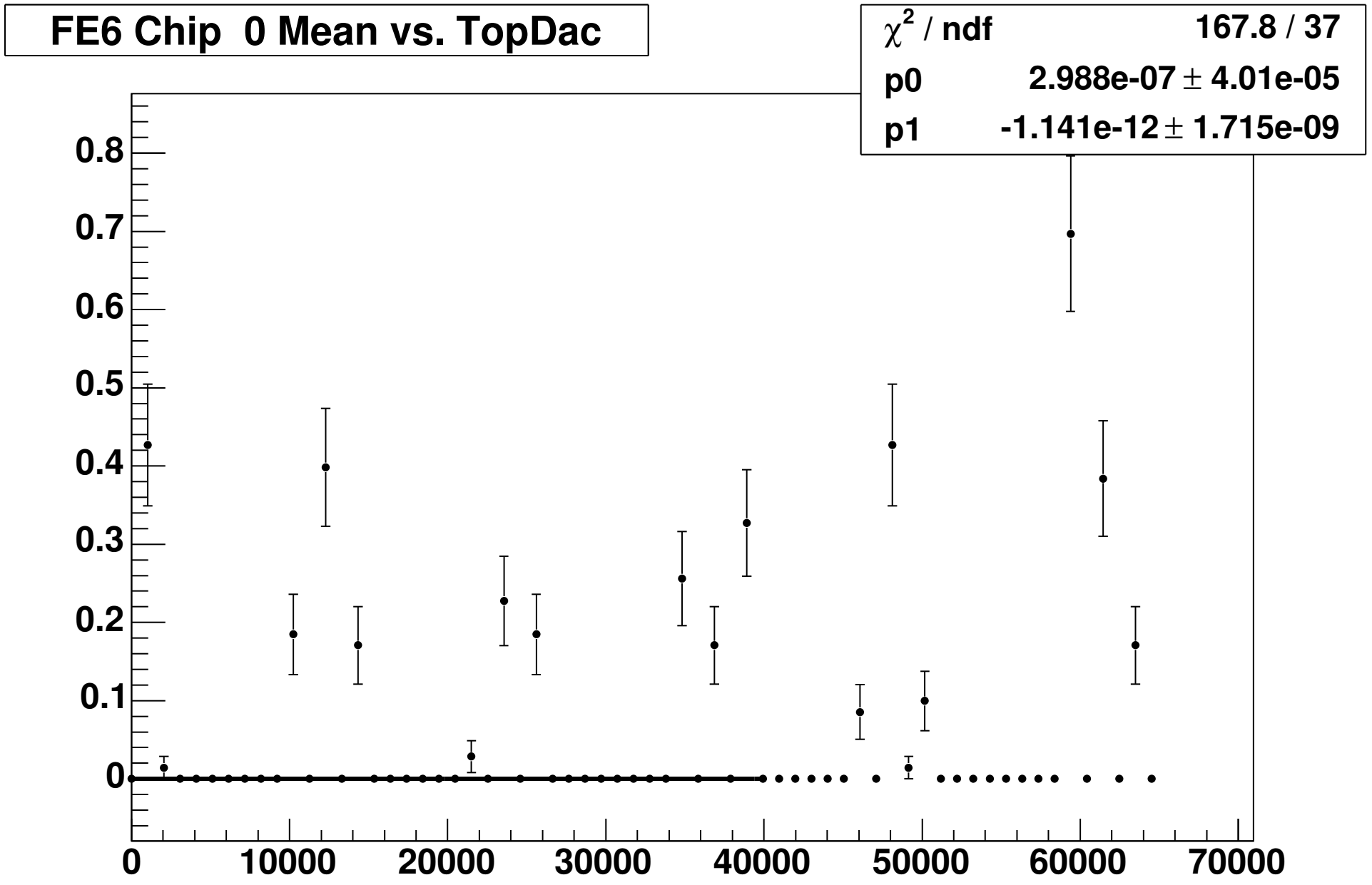

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 3.966e+05 / 37
p0 9.582e-09 ± 0.00821
p1 0.002909 ± 5.271e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

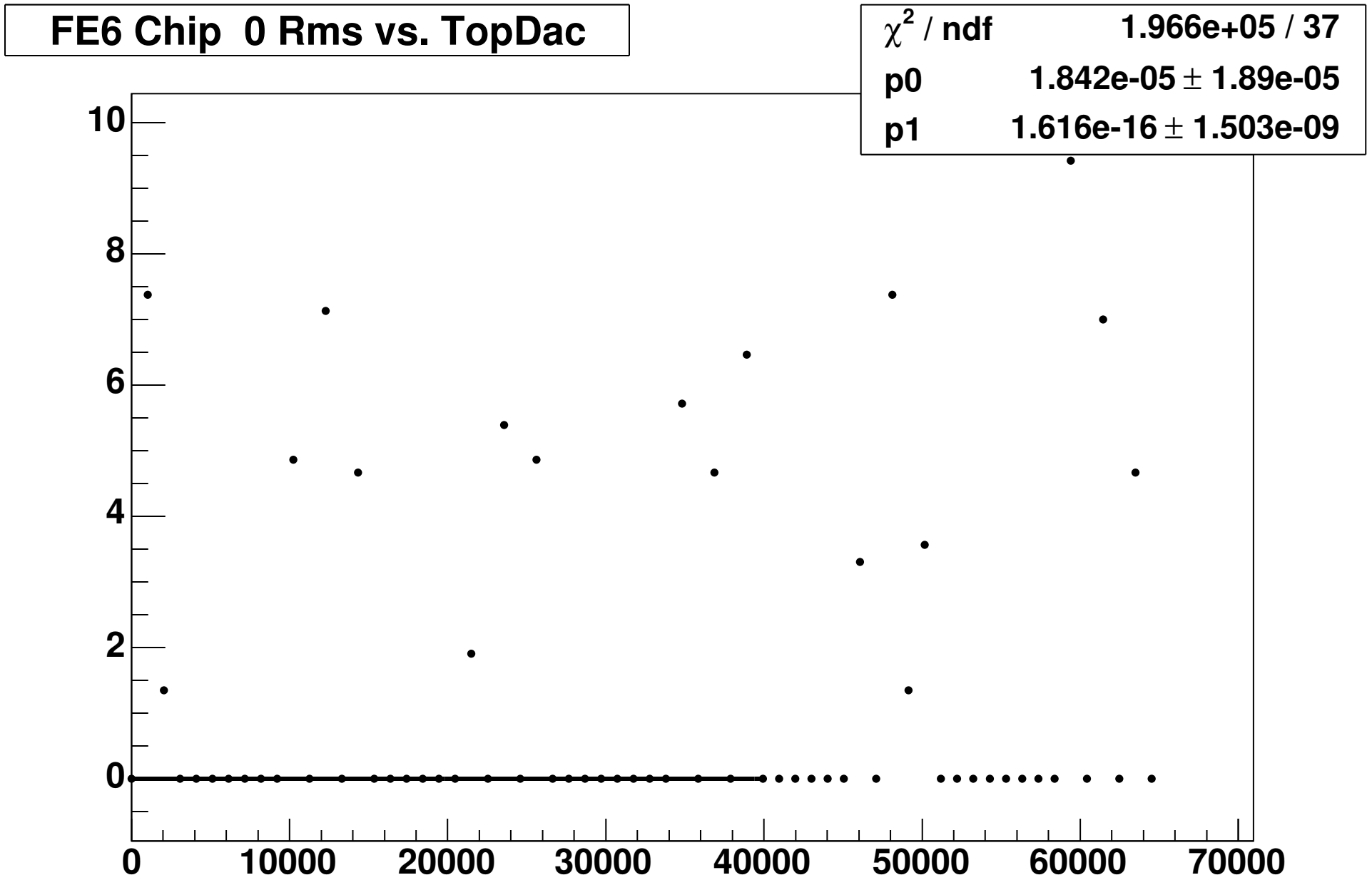

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 10.87 / 37
p0 -2.507 ± 0.04644
p1 0.2296 ± 1.856e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

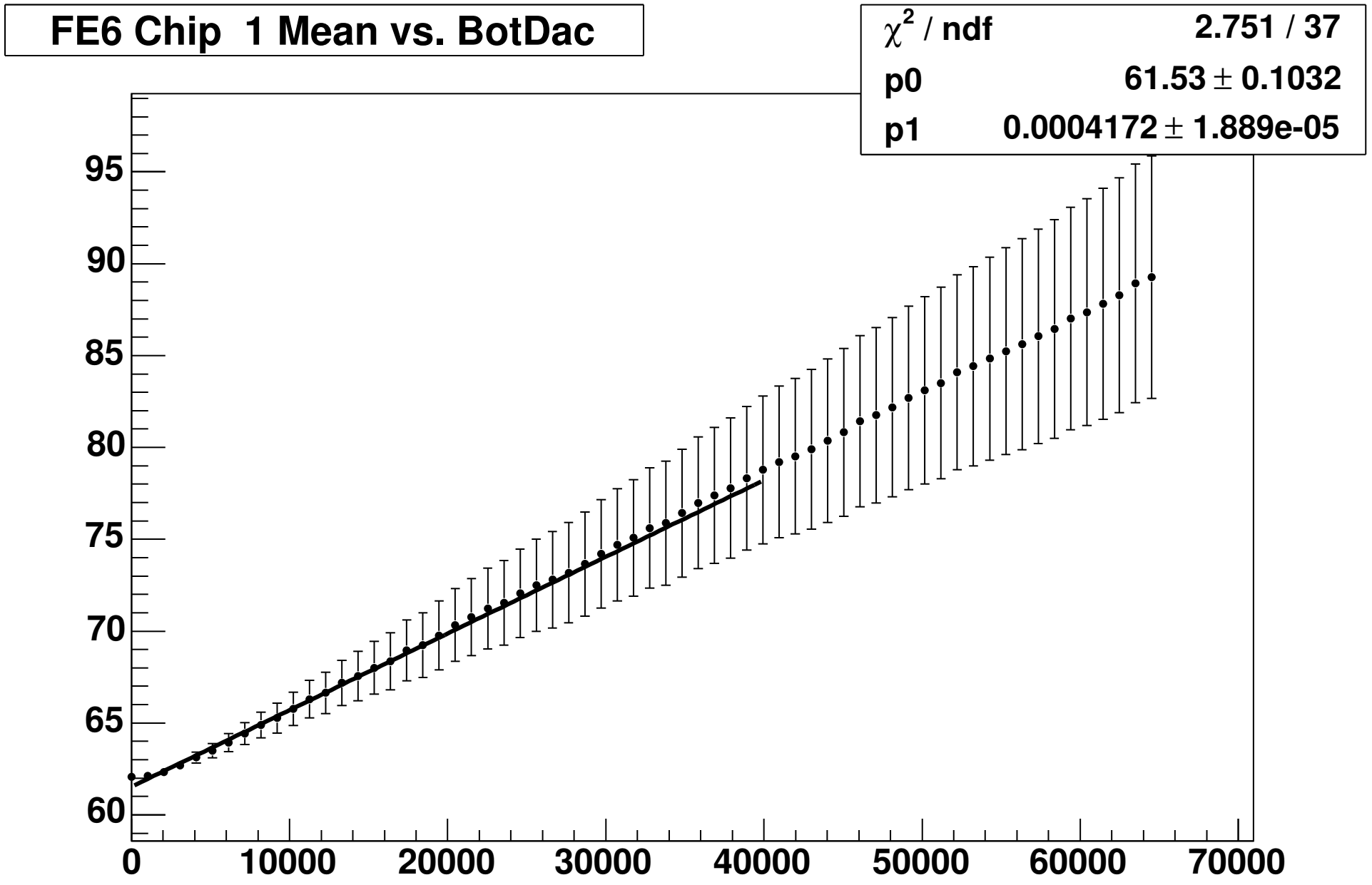

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 4.13e+04 / 37
p0 2.949e-07 ± 0.03763
p1 0.008744 ± 1.076e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

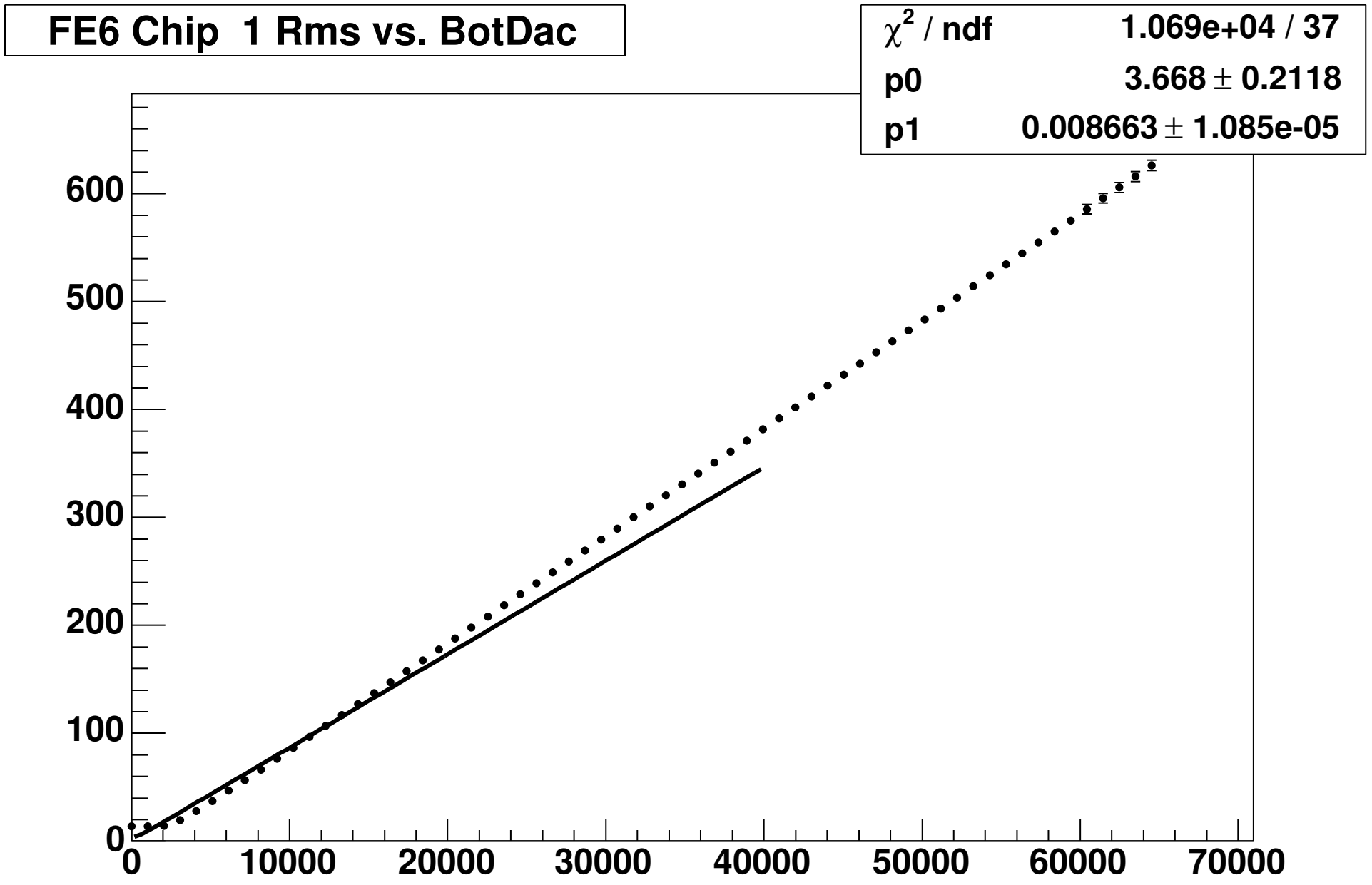

FE6 Chip 0 Mean vs. BotDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

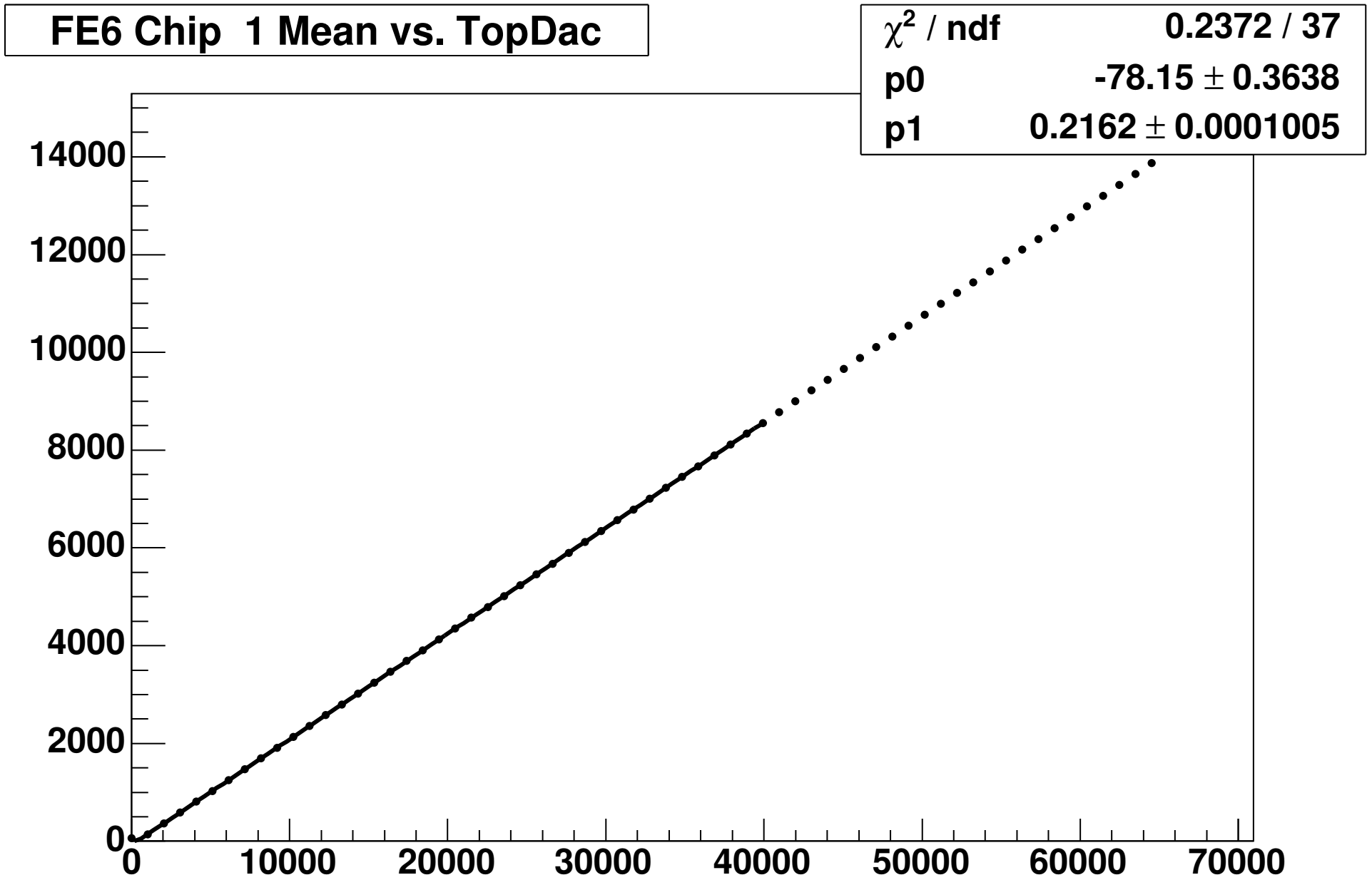

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 1.09e-29 / 37
p0 -5.255e-20 ± 1.601e-05
p1 -2.444e-25 ± 6.814e-10
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

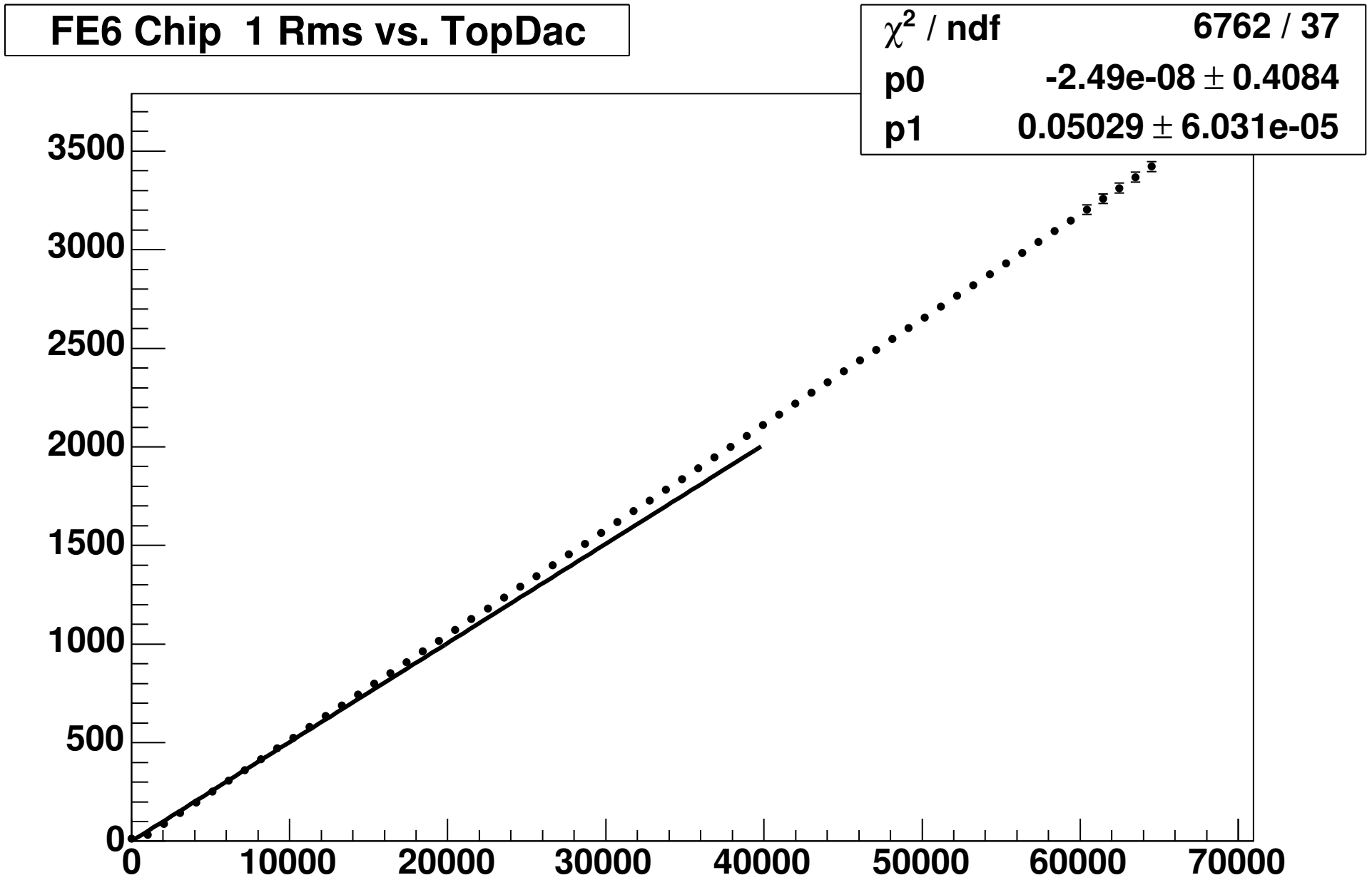

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 167.8 / 37
p0 2.988e-07 ± 4.01e-05
p1 -1.141e-12 ± 1.715e-09
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
10000
20000
30000
40000
50000
60000
70000

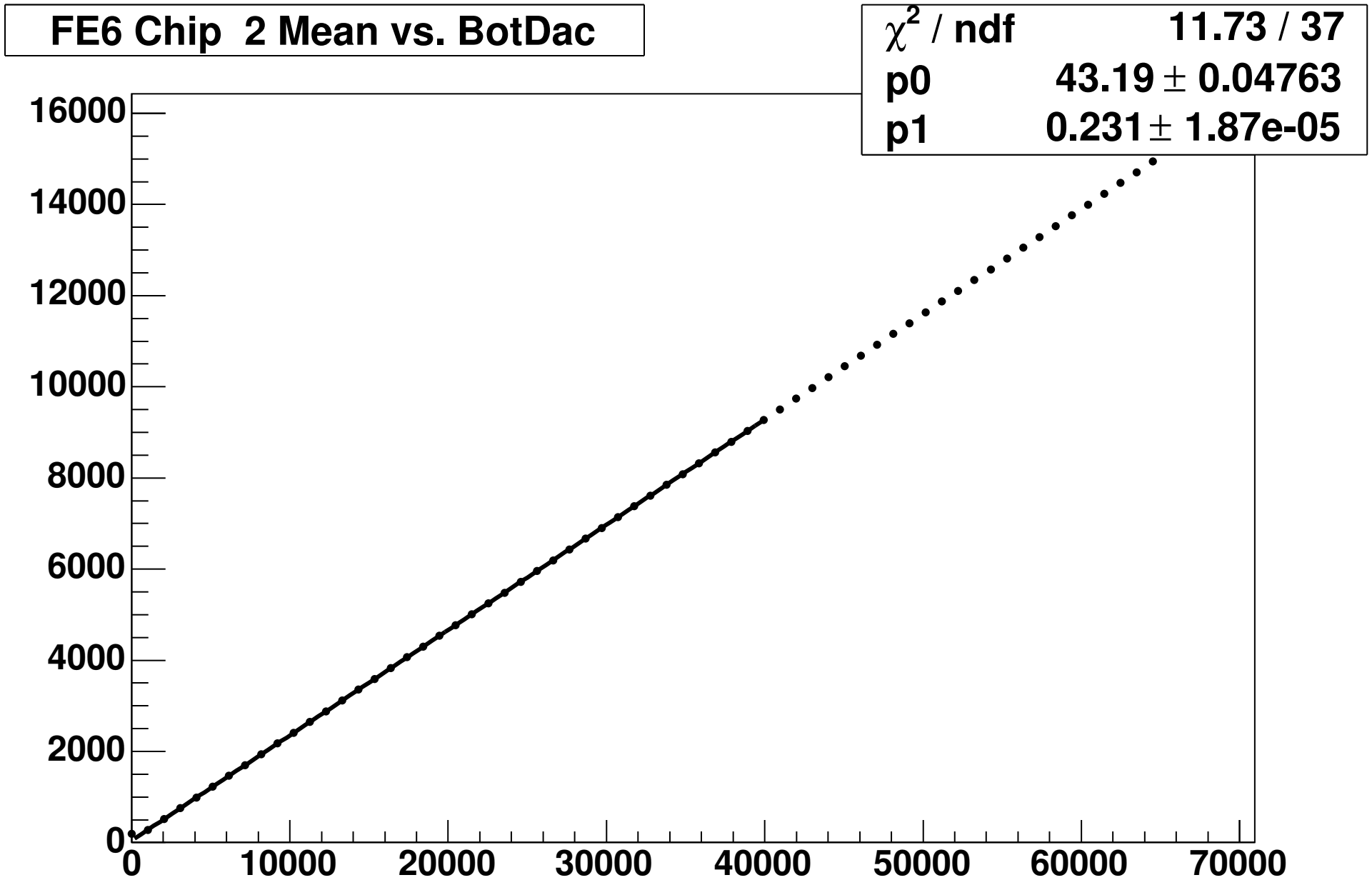

FE6 Chip 0 Rms vs. TopDac
χ^2 / ndf 1.966e+05 / 37
p0 1.842e-05 ± 1.89e-05
p1 1.616e-16 ± 1.503e-09
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

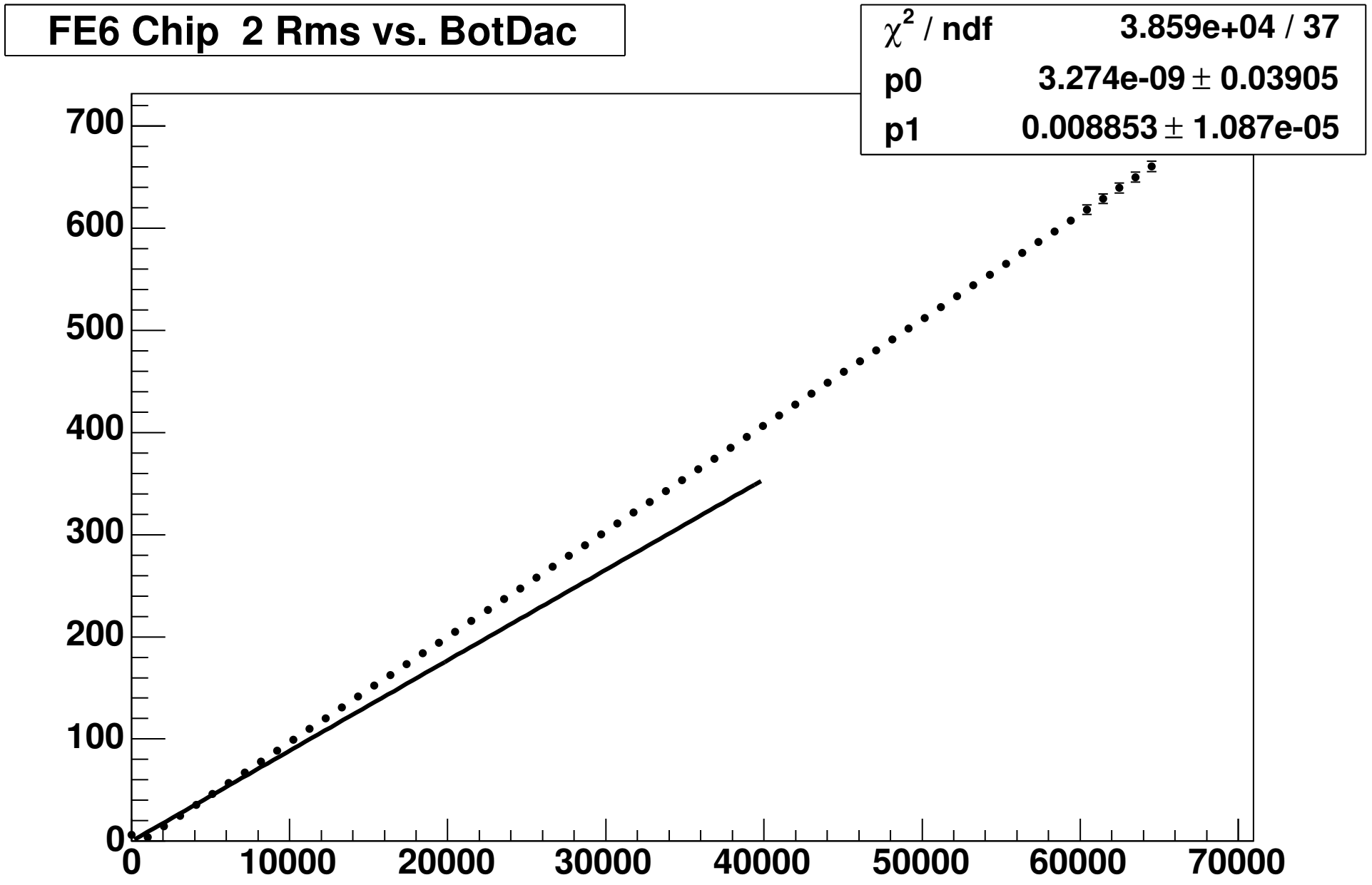

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 2.751 / 37
p0 61.53 ± 0.1032
p1 0.0004172 ± 1.889e-05
95
90
85
80
75
70
65
60
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1.069e+04 / 37
p0 3.668 ± 0.2118
p1 0.008663 ± 1.085e-05
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 0.2372 / 37
p0 -78.15 ± 0.3638
p1 0.2162 ± 0.0001005
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 6762 / 37
p0 -2.49e-08 ± 0.4084
p1 0.05029 ± 6.031e-05
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ^2 / ndf 11.73 / 37
p0 43.19 ± 0.04763
p1 0.231 ± 1.87e-05
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 3.859e+04 / 37
p0 3.274e-09 ± 0.03905
p1 0.008853 ± 1.087e-05
700
600
500
400
300
200
100
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0
10000
20000
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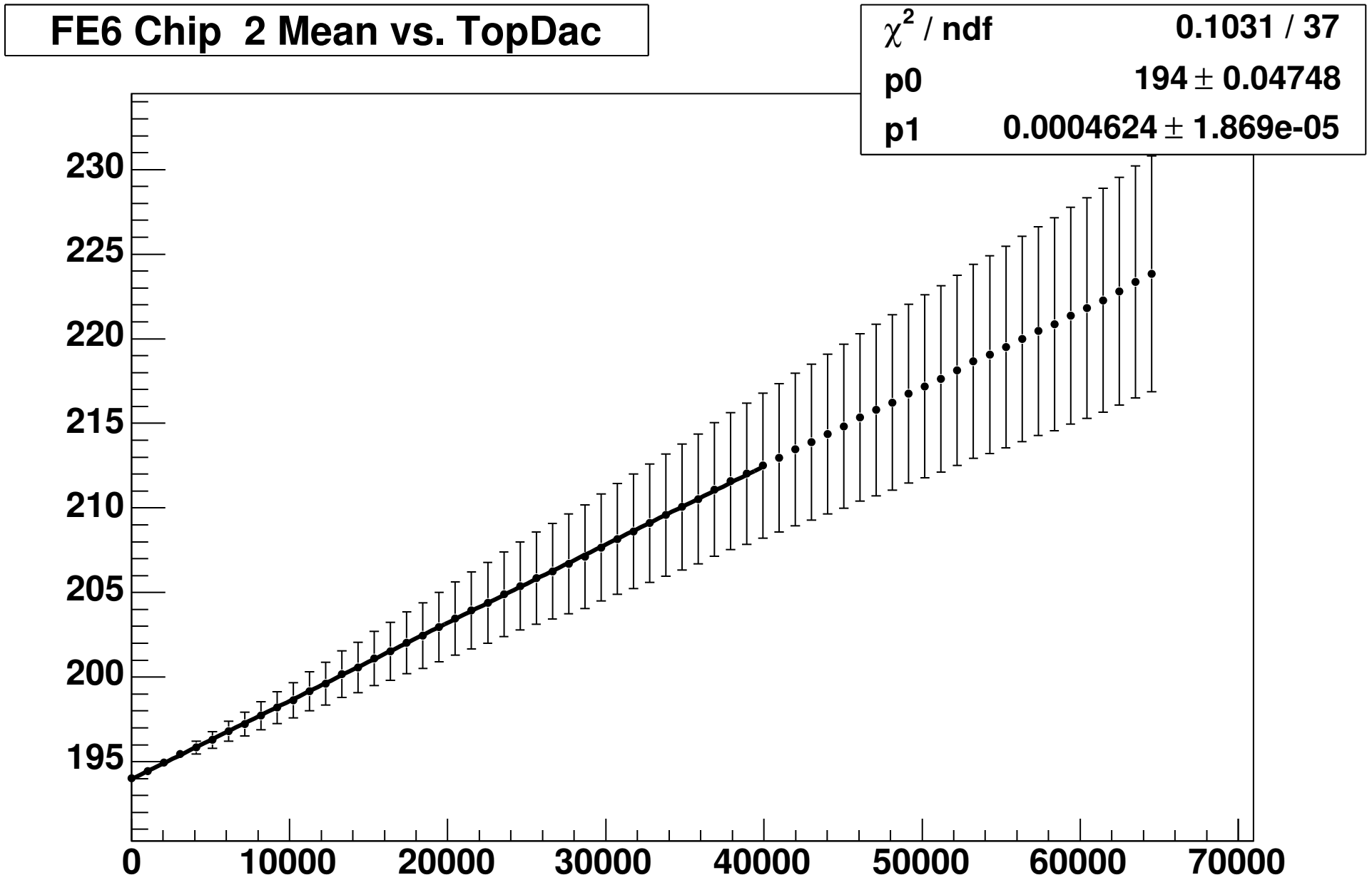
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 0.1031 / 37
p0 194 ± 0.04748
p1 0.0004624 ± 1.869e-05
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220
215
210
205
200
195
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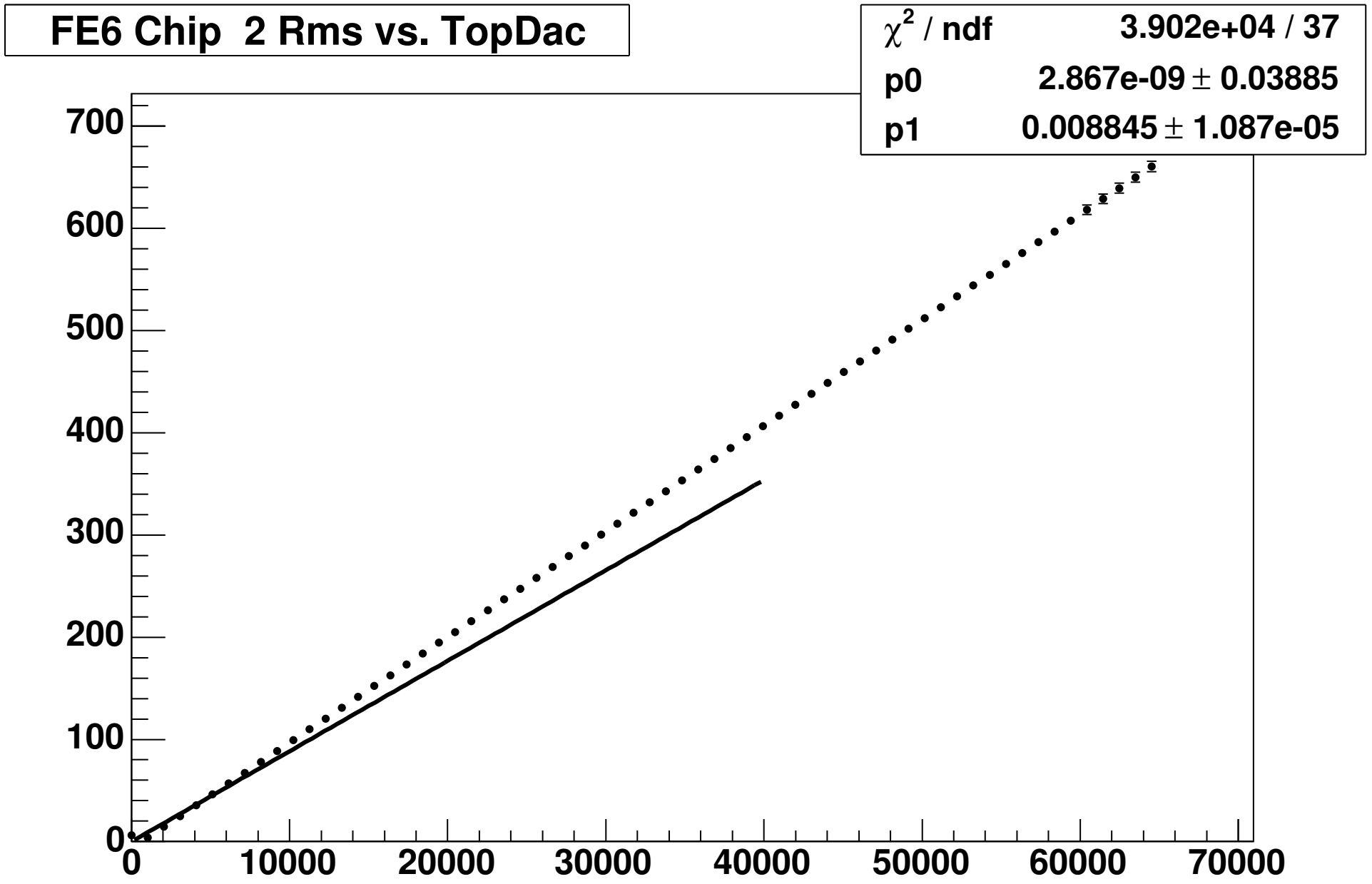
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 3.902e+04 / 37
p0 2.867e-09 ± 0.03885
p1 0.008845 ± 1.087e-05
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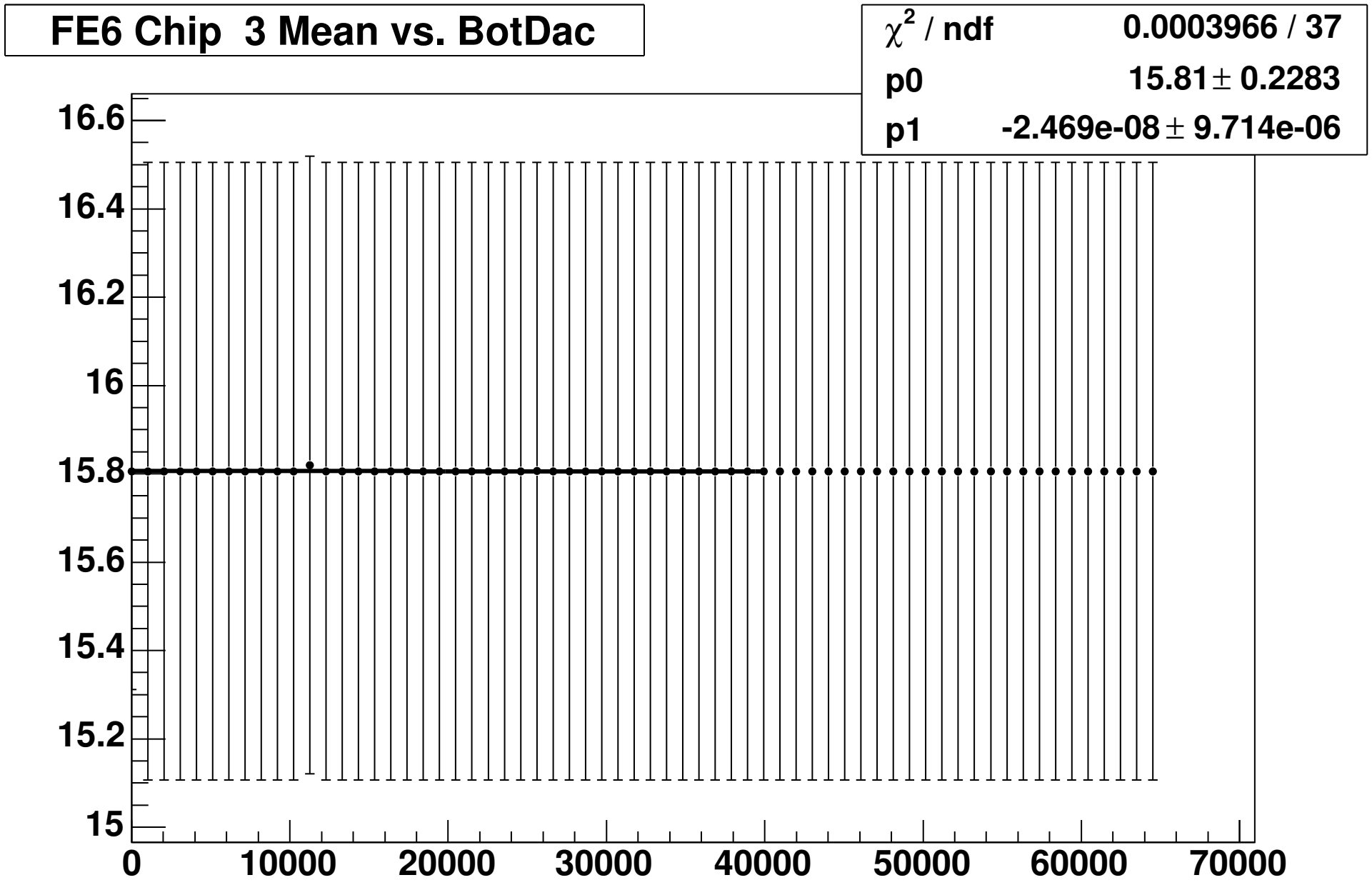
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 0.0003966 / 37
p0 15.81 ± 0.2283
p1 -2.469e-08 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
40000
50000
60000
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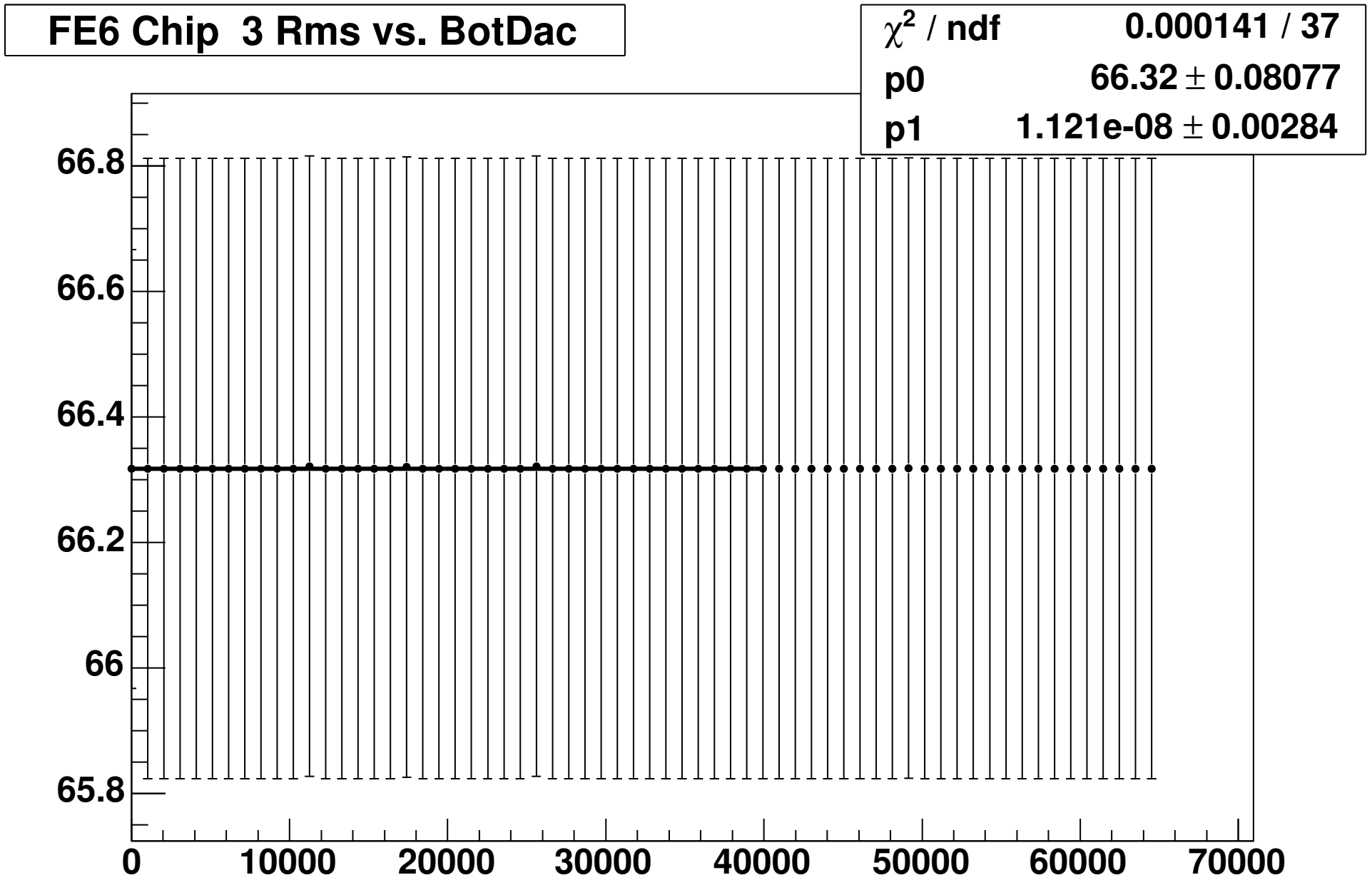
FE6 Chip 3 Rms vs. BotDac
χ² / ndf 0.000141 / 37
p0 66.32 ± 0.08077
p1 1.121e-08 ± 0.00284
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
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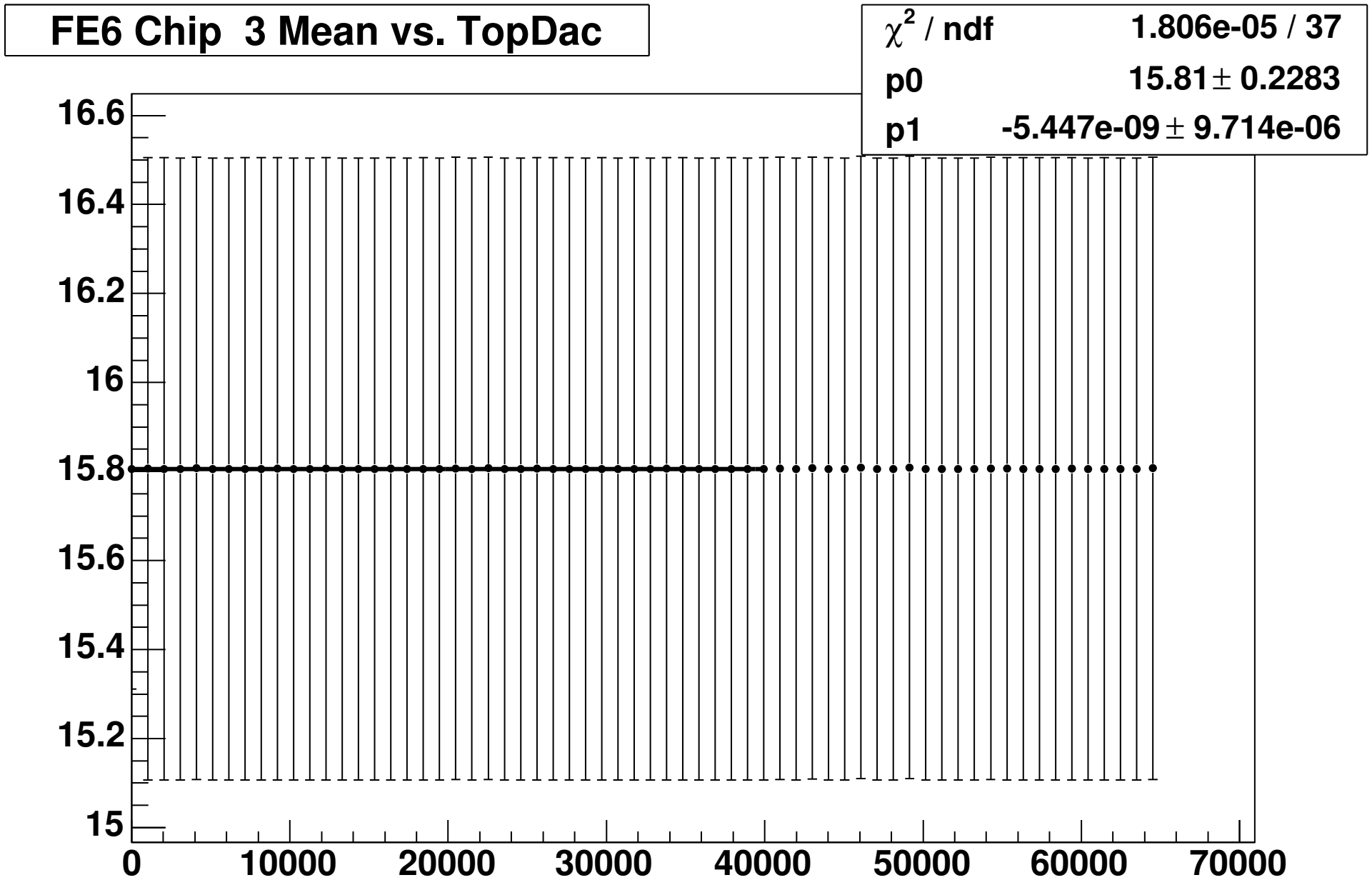
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 1.806e-05 / 37
p0 15.81 ± 0.2283
p1 -5.447e-09 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
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20000
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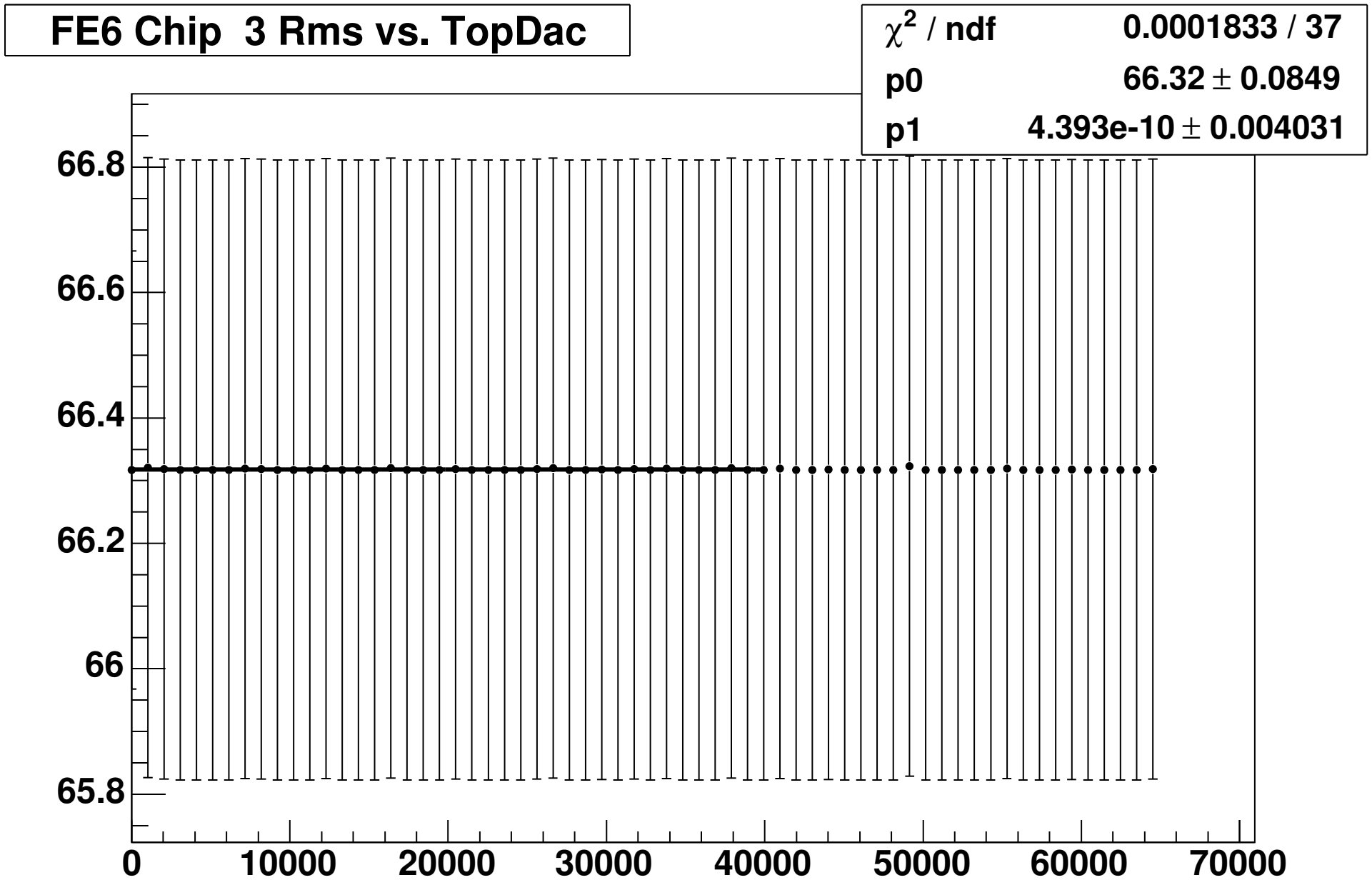
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 0.0001833 / 37
p0 66.32 ± 0.0849
p1 4.393e-10 ± 0.004031
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
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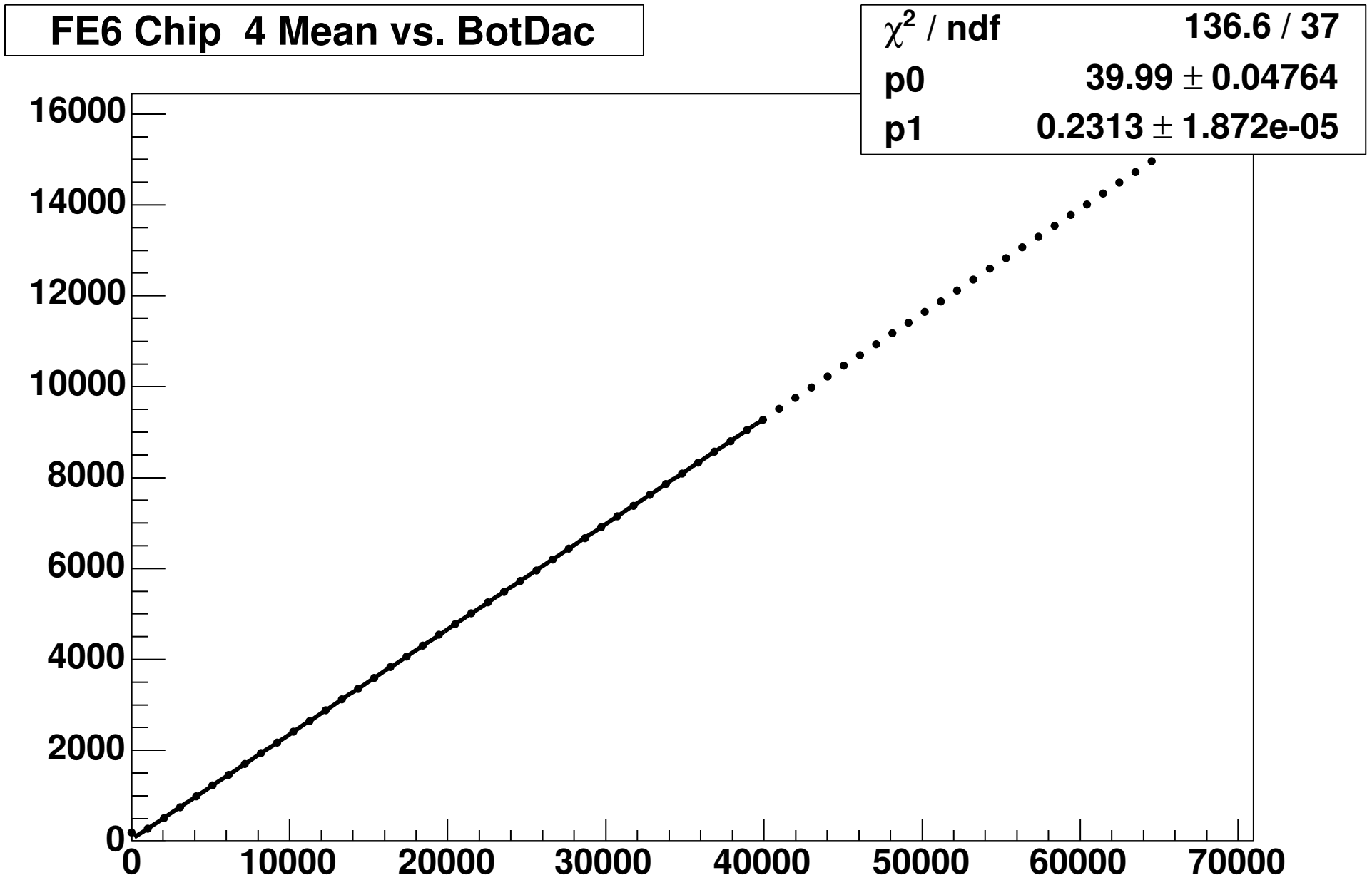
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 136.6 / 37
p0 39.99 ± 0.04764
p1 0.2313 ± 1.872e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
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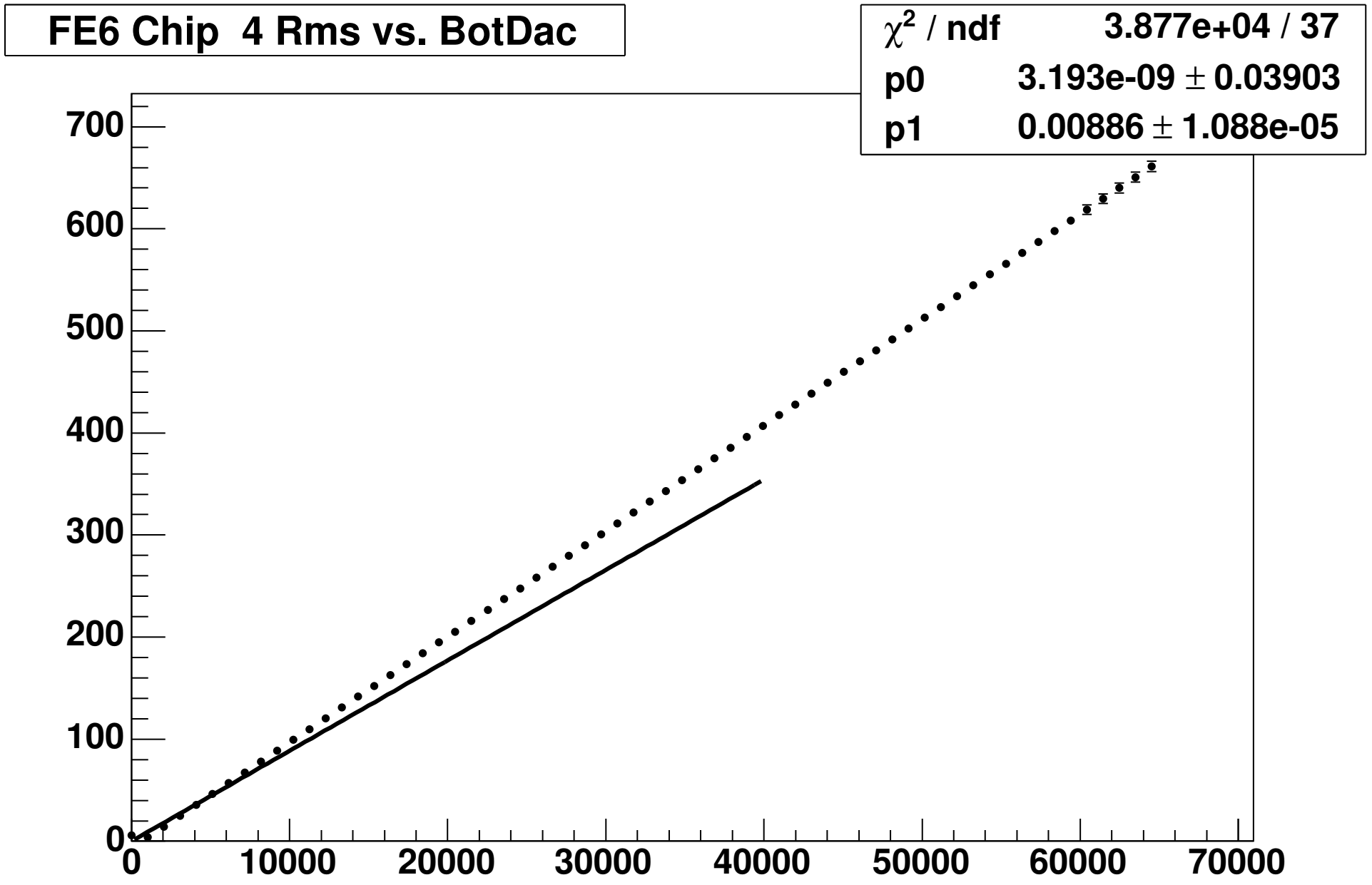
FE6 Chip 4 Rms vs. BotDac
χ² / ndf 3.877e+04 / 37
p0 3.193e-09 ± 0.03903
p1 0.00886 ± 1.088e-05
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600
500
400
300
200
100
0
0
10000
20000
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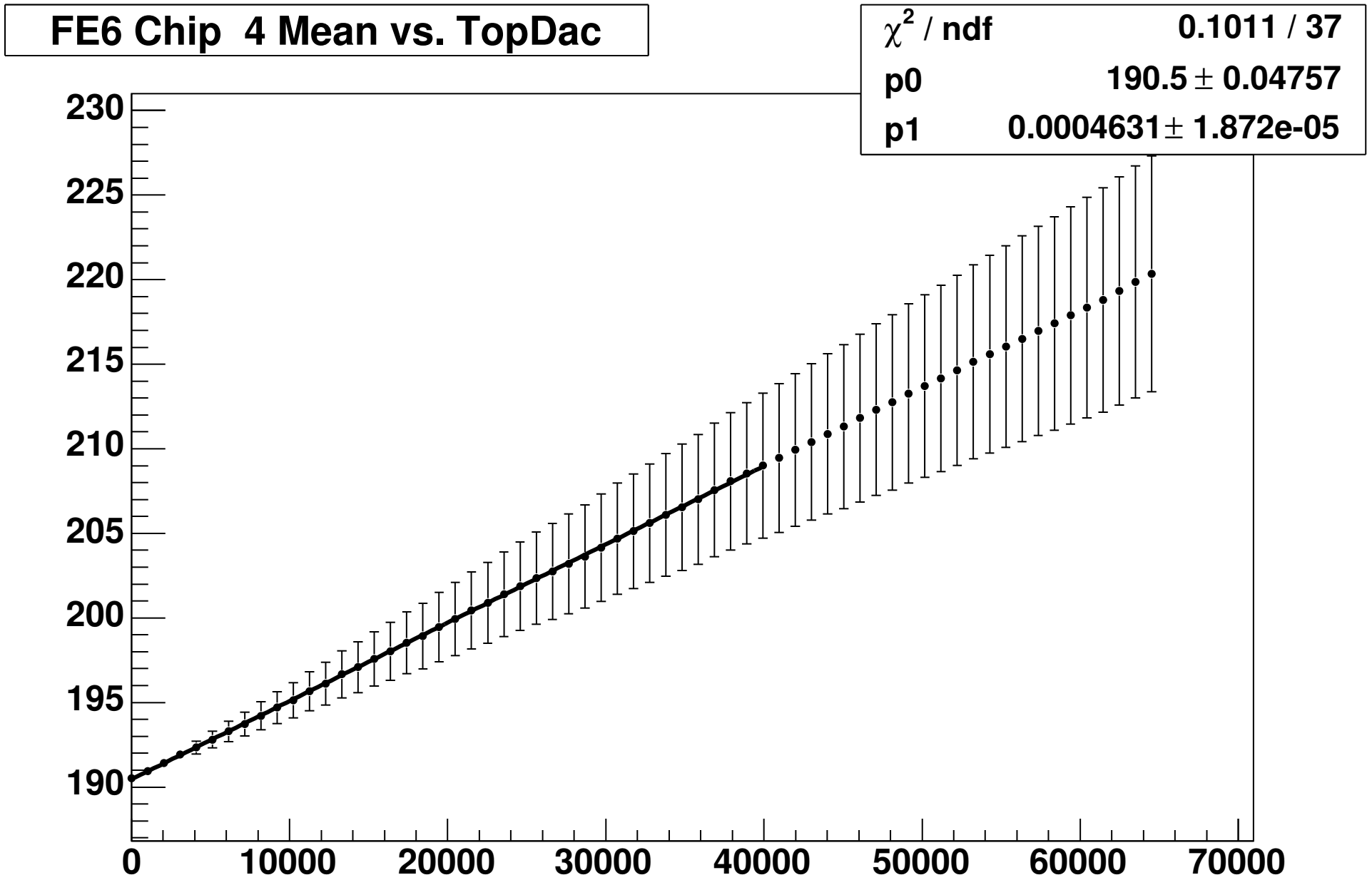
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 0.1011 / 37
p0 190.5 ± 0.04757
p1 0.0004631 ± 1.872e-05
230
225
220
215
210
205
200
195
190
0
10000
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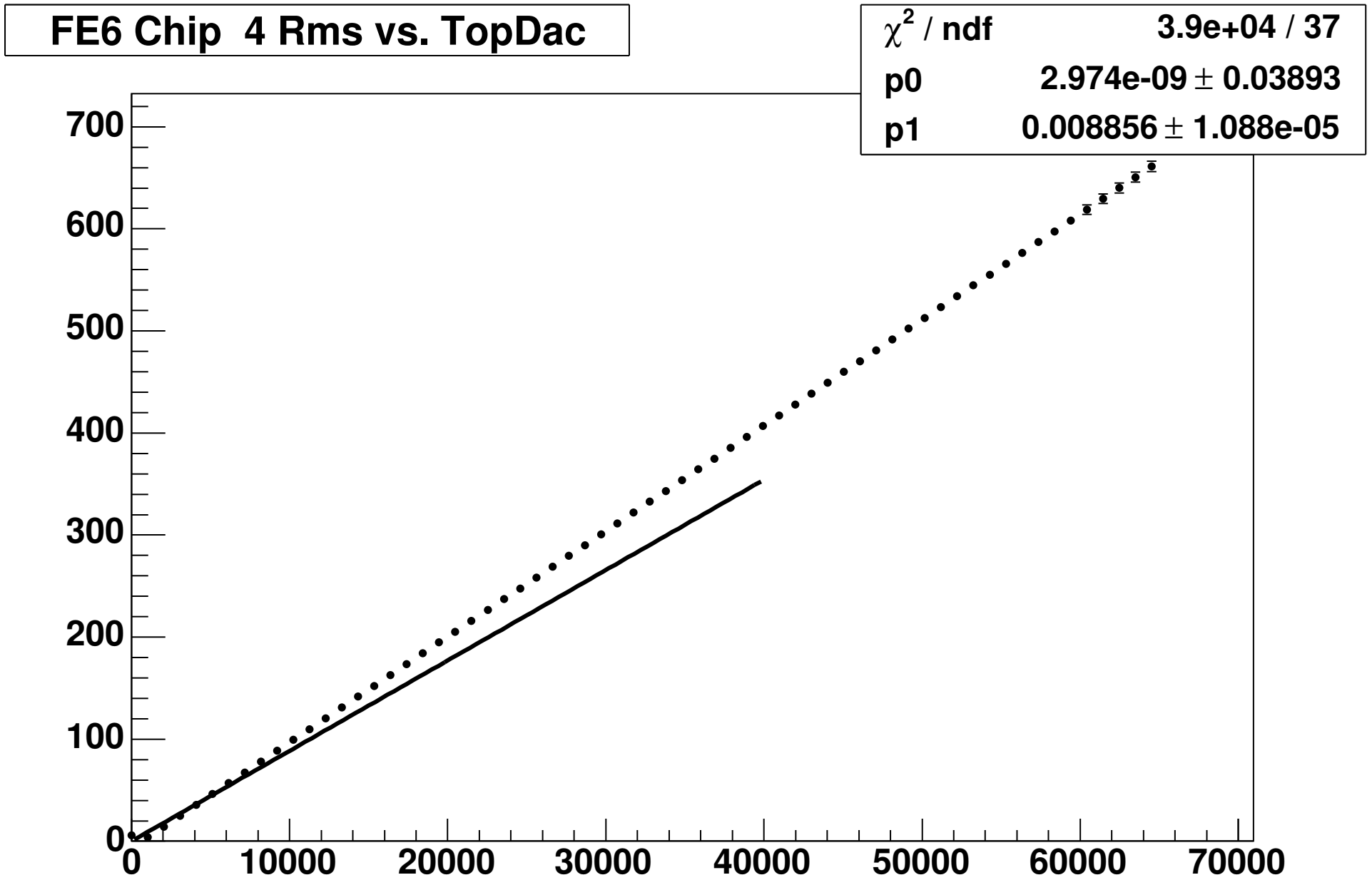
FE6 Chip 4 Rms vs. TopDac
χ² / ndf 3.9e+04 / 37
p0 2.974e-09 ± 0.03893
p1 0.008856 ± 1.088e-05
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600
500
400
300
200
100
0
0
10000
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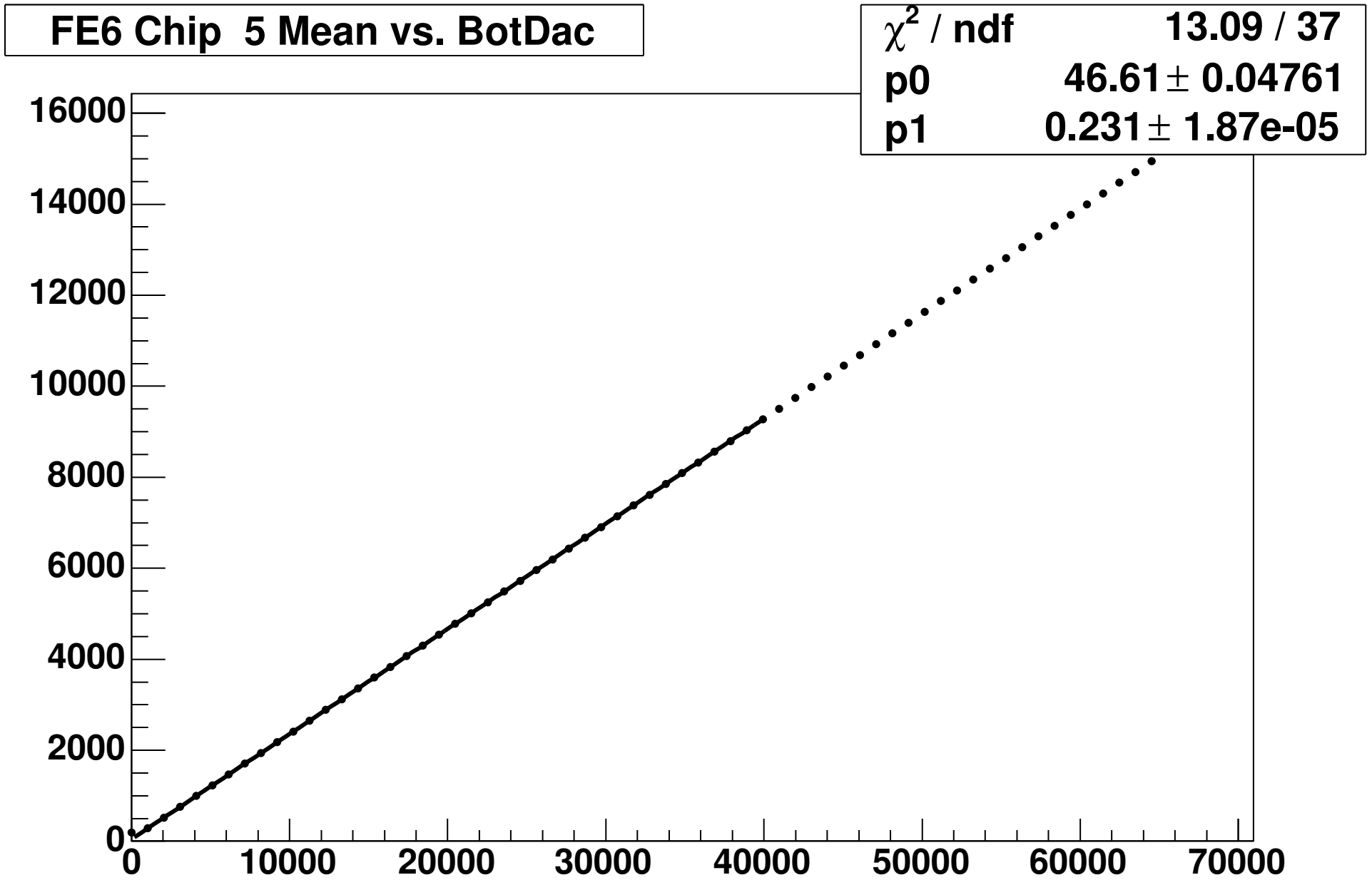
FE6 Chip 5 Mean vs. BotDac
χ² / ndf 13.09 / 37
p0 46.61 ± 0.04761
p1 0.231 ± 1.87e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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50000
60000
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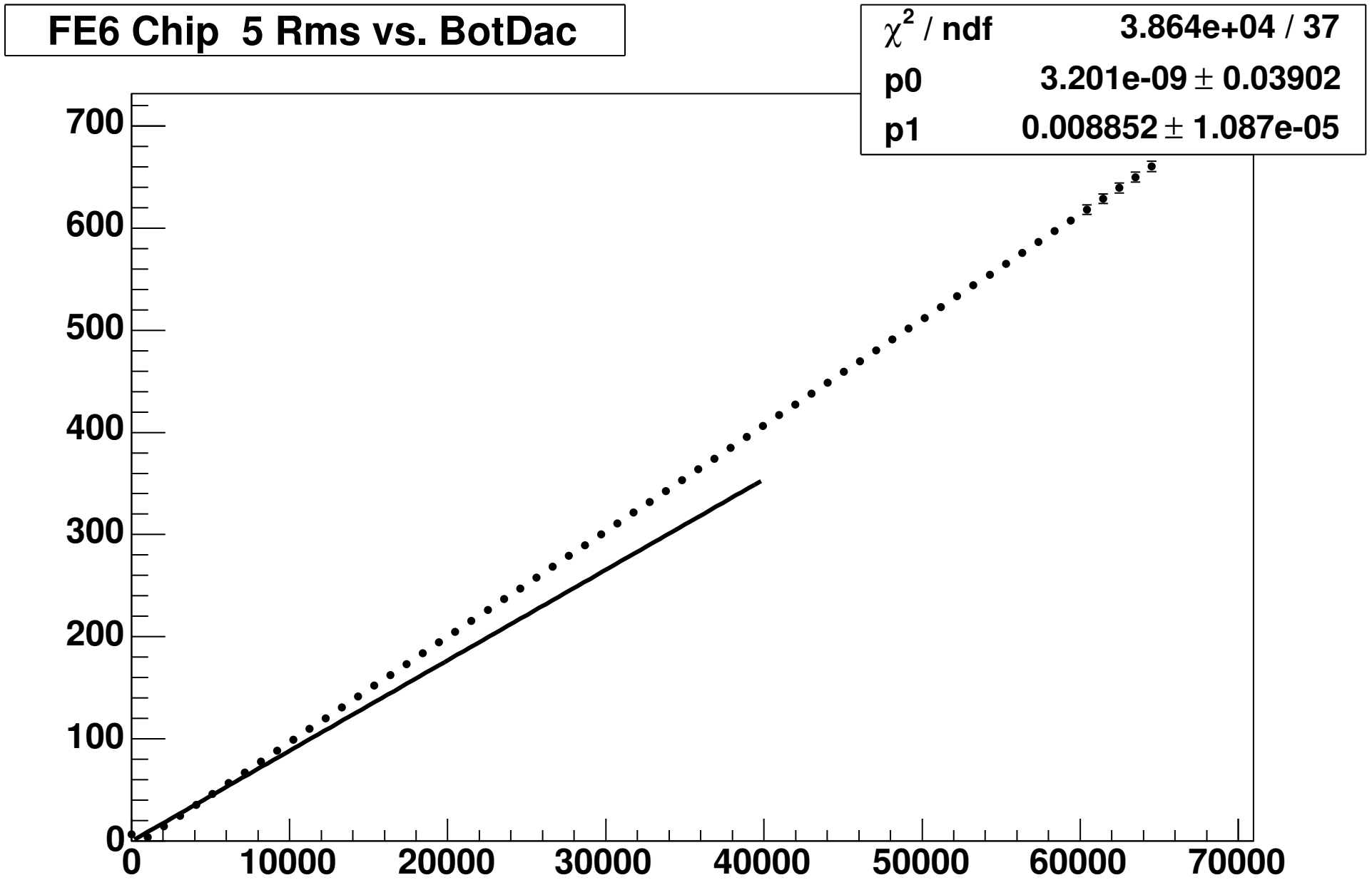
FE6 Chip 5 Rms vs. BotDac
χ² / ndf 3.864e+04 / 37
p0 3.201e-09 ± 0.03902
p1 0.008852 ± 1.087e-05
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600
500
400
300
200
100
0
0
10000
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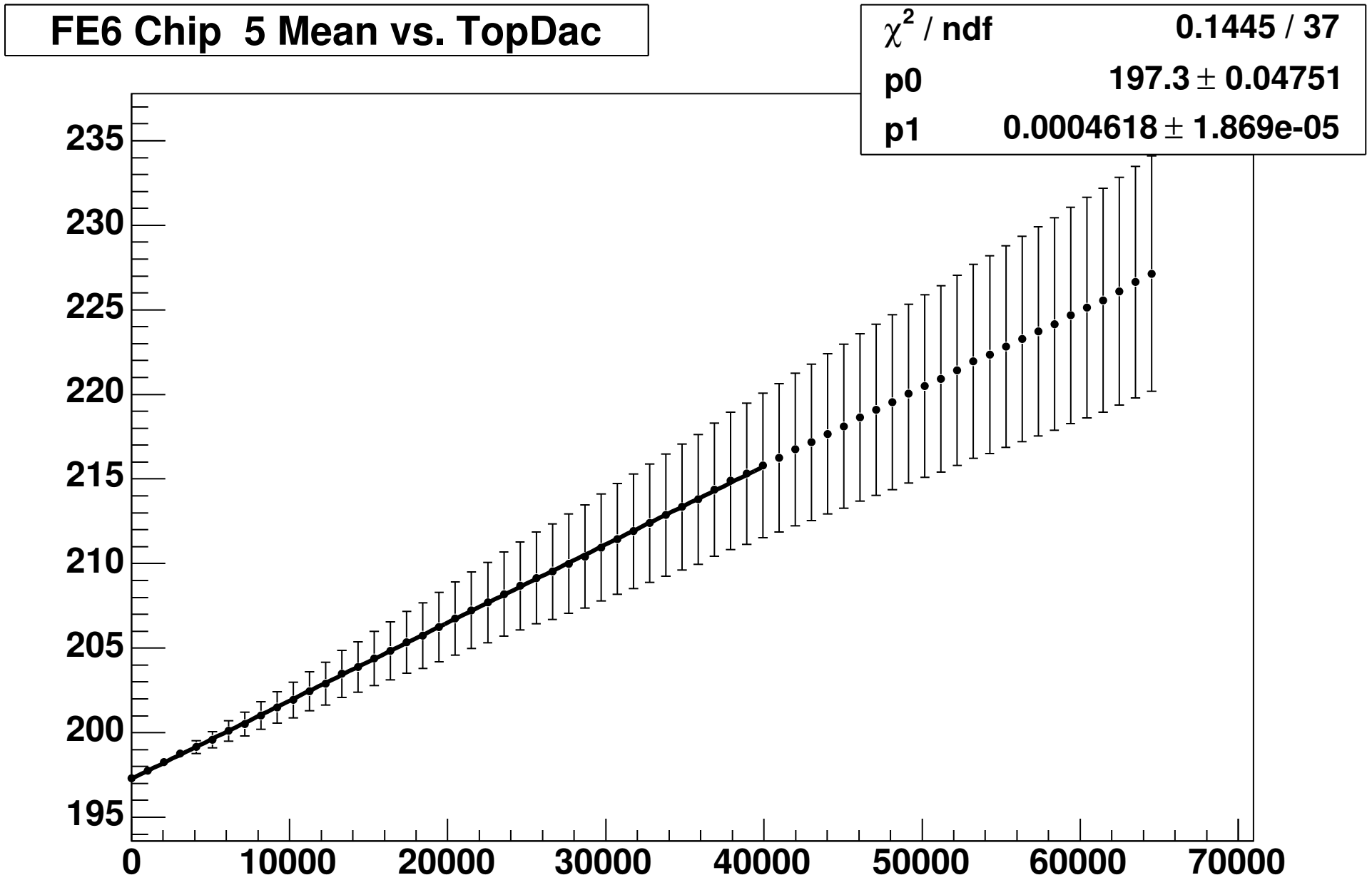
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 0.1445 / 37
p0 197.3 ± 0.04751
p1 0.0004618 ± 1.869e-05
235
230
225
220
215
210
205
200
195
0
10000
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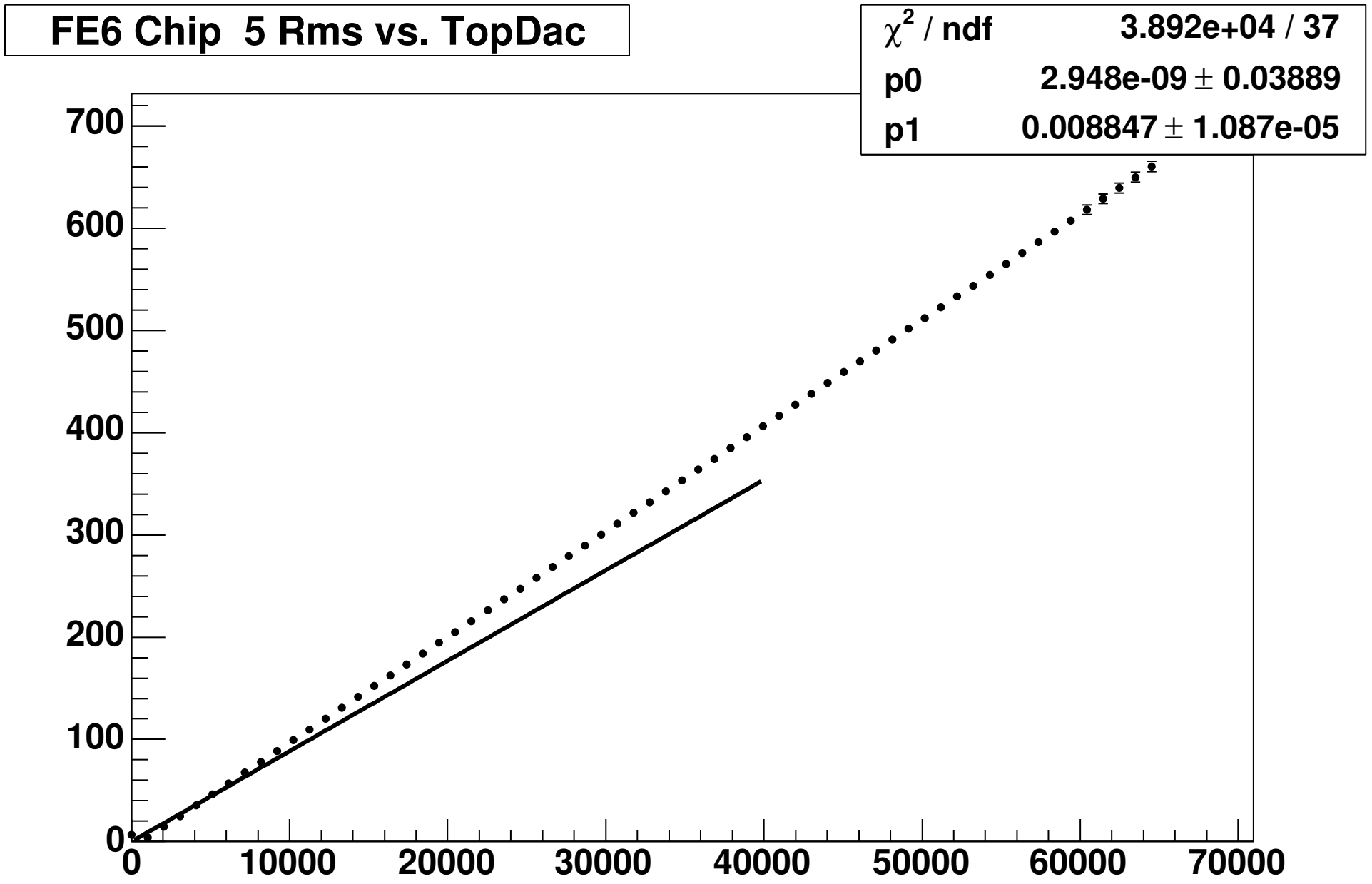
FE6 Chip 5 Rms vs. TopDac
χ^2 / ndf 3.892e+04 / 37
p0 2.948e-09 ± 0.03889
p1 0.008847 ± 1.087e-05
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500
400
300
200
100
0
0
10000
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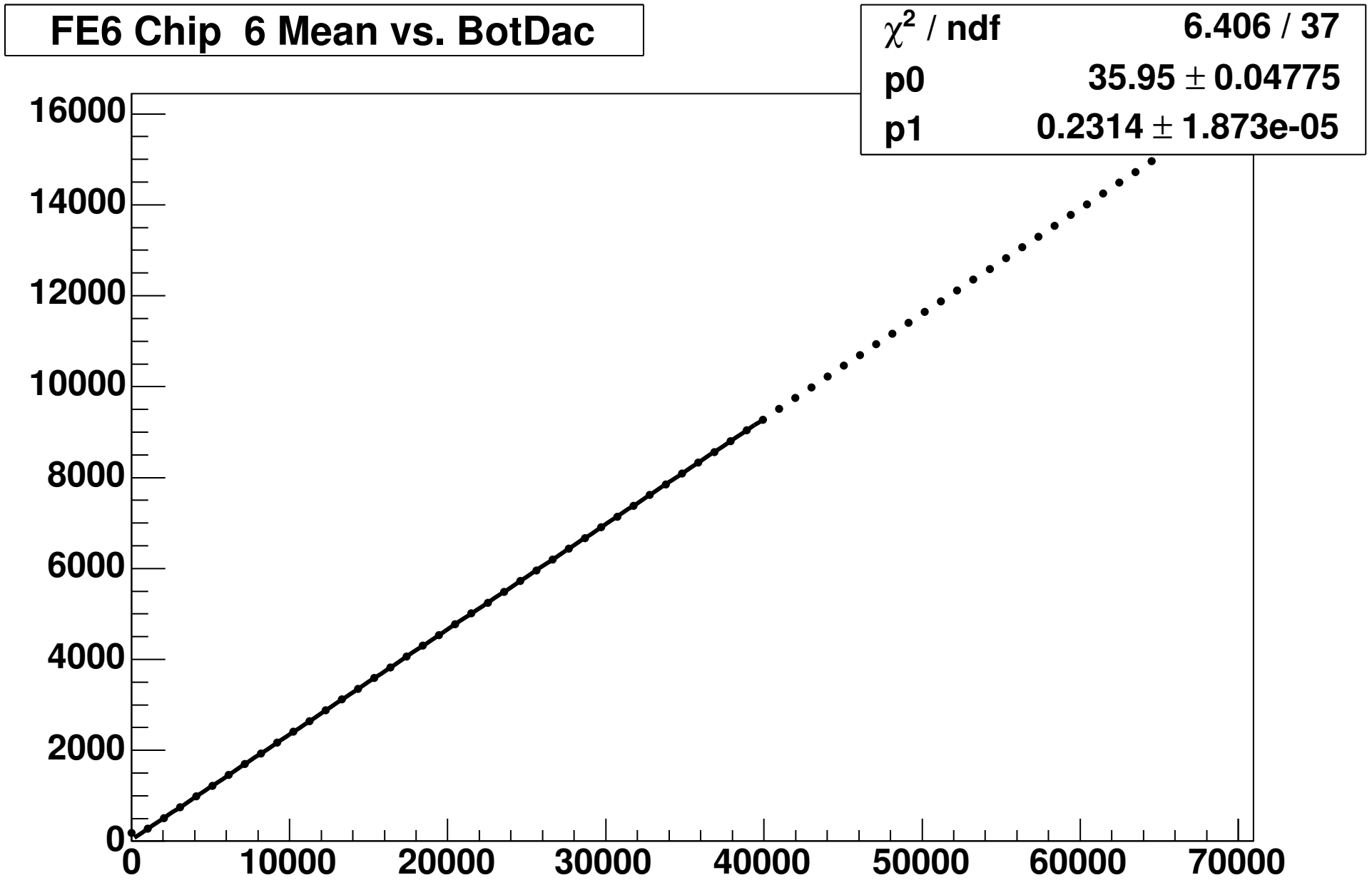
FE6 Chip 6 Mean vs. BotDac
χ² / ndf 6.406 / 37
p0 35.95 ± 0.04775
p1 0.2314 ± 1.873e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
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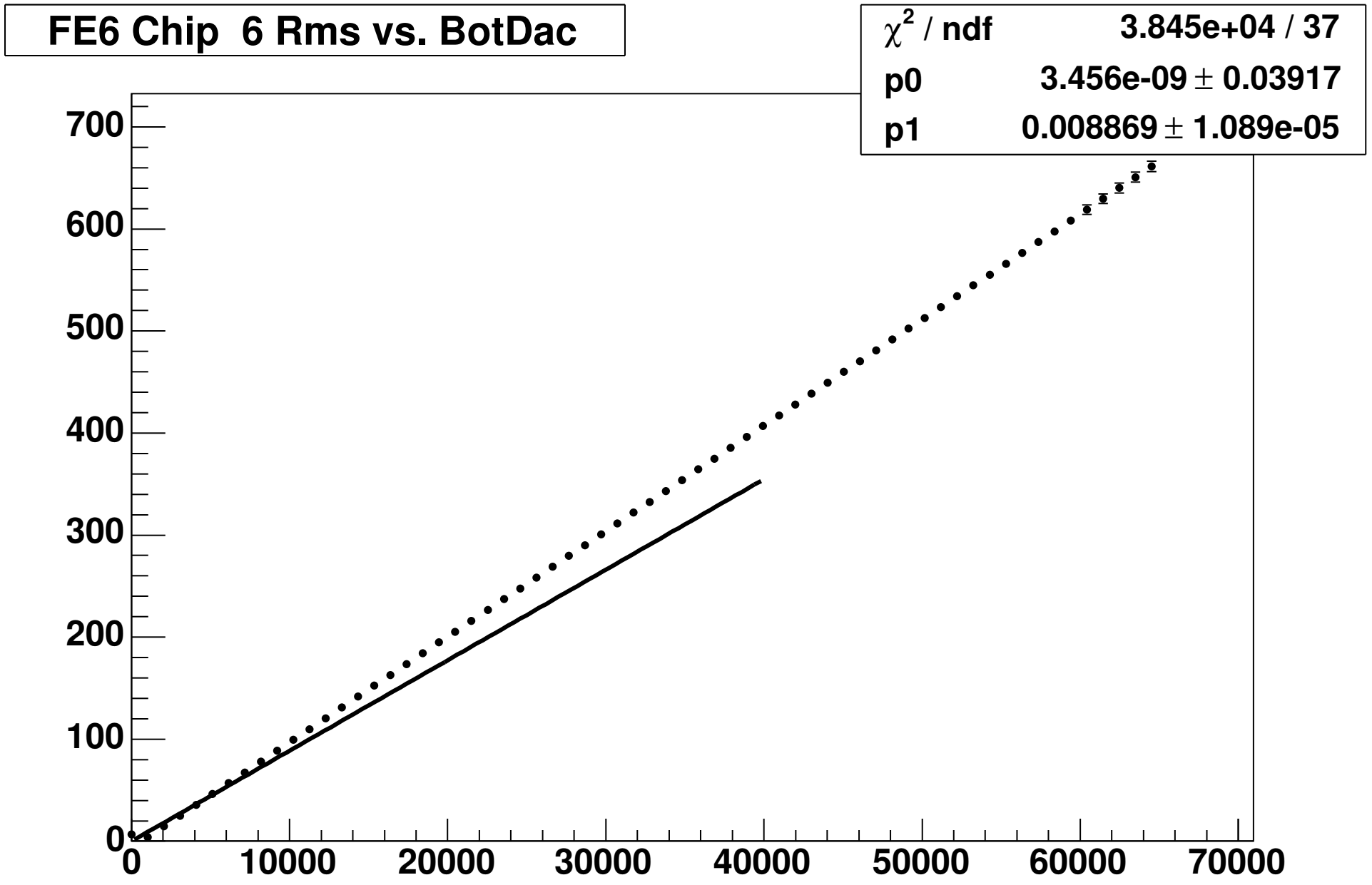
FE6 Chip 6 Rms vs. BotDac
χ² / ndf 3.845e+04 / 37
p0 3.456e-09 ± 0.03917
p1 0.008869 ± 1.089e-05
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500
400
300
200
100
0
0
10000
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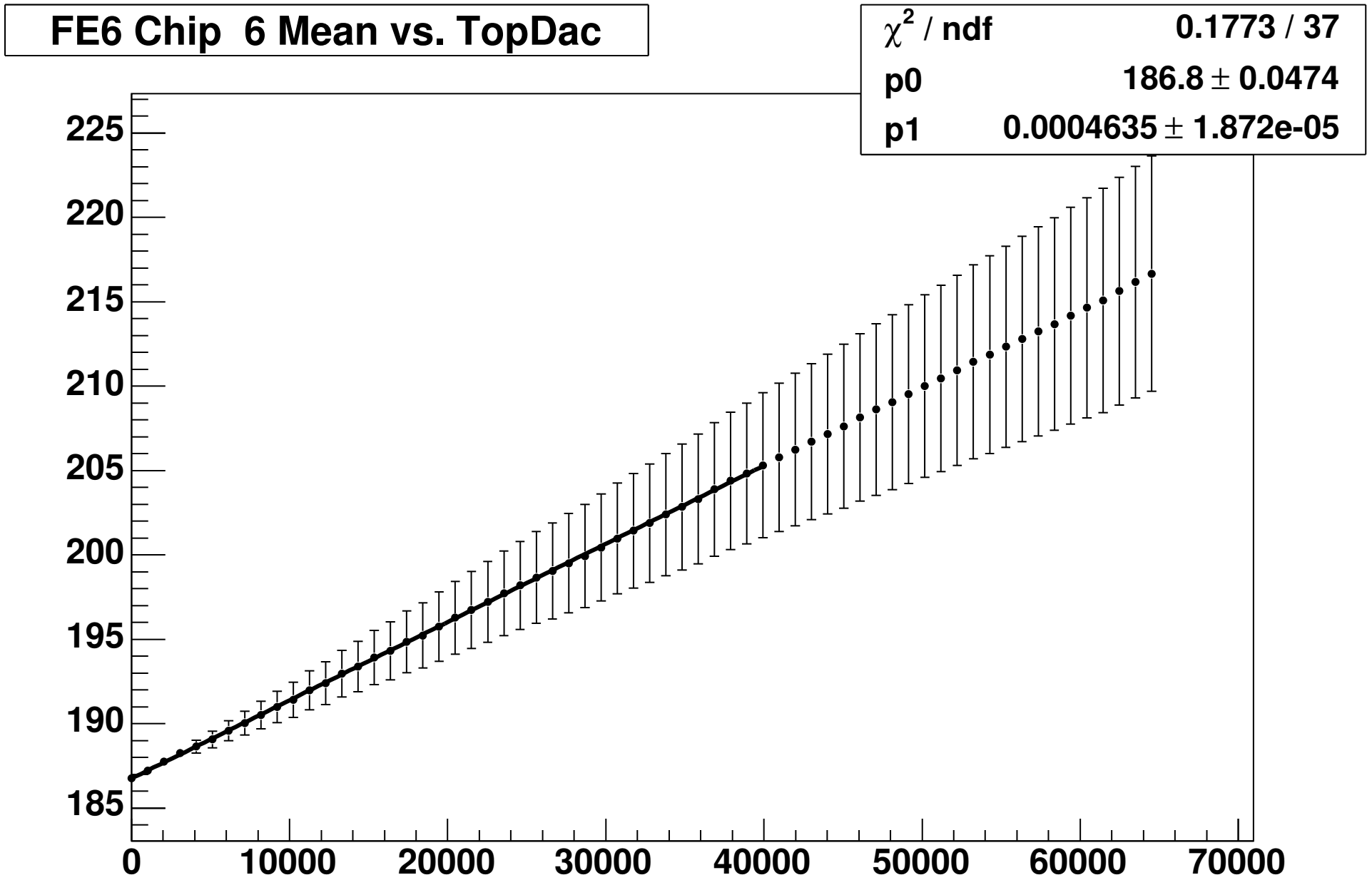
FE6 Chip 6 Mean vs. TopDac
χ² / ndf 0.1773 / 37
p0 186.8 ± 0.0474
p1 0.0004635 ± 1.872e-05
225
220
215
210
205
200
195
190
185
0
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20000
30000
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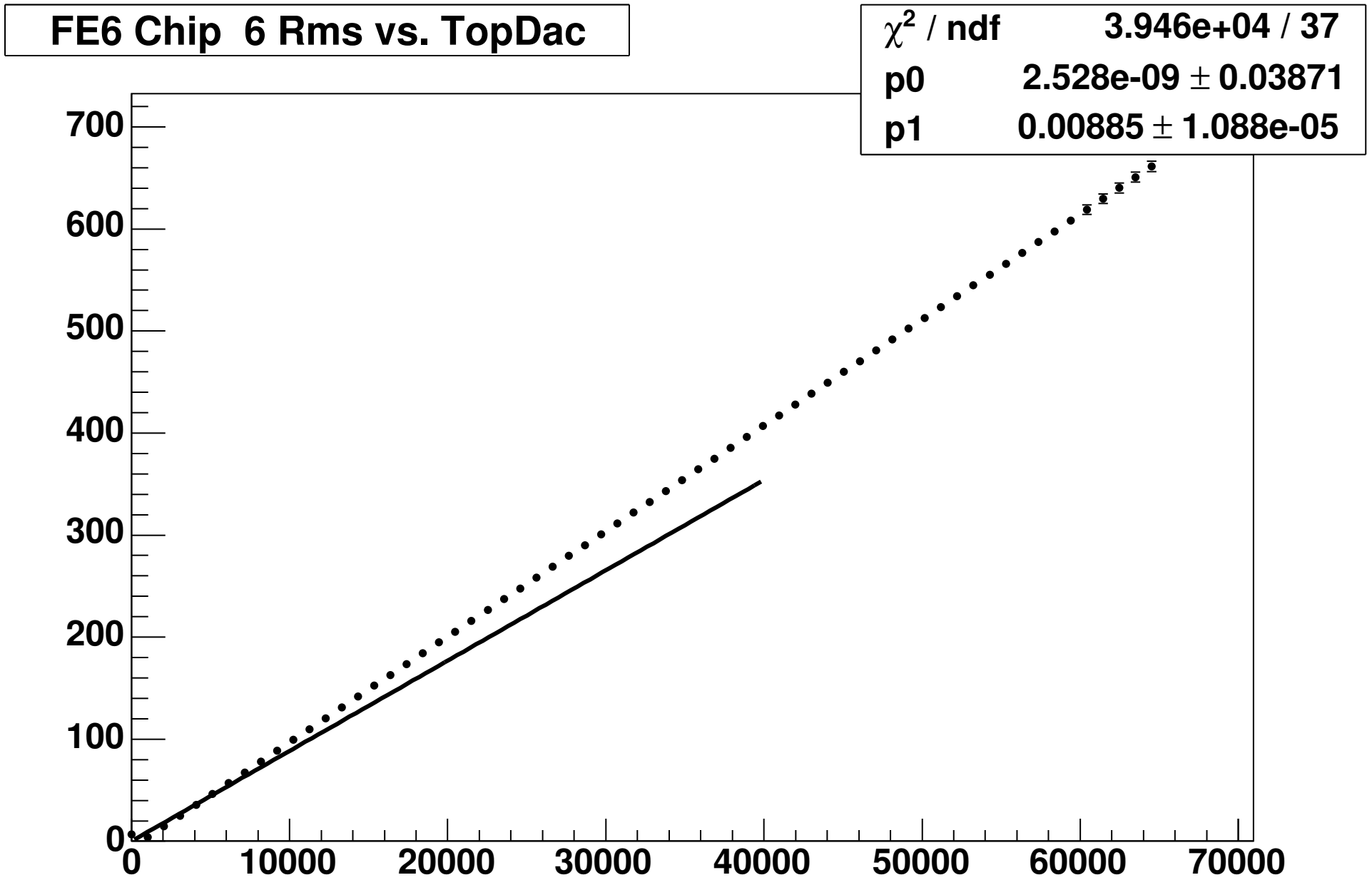
FE6 Chip 6 Rms vs. TopDac
χ² / ndf 3.946e+04 / 37
p0 2.528e-09 ± 0.03871
p1 0.00885 ± 1.088e-05
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500
400
300
200
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0
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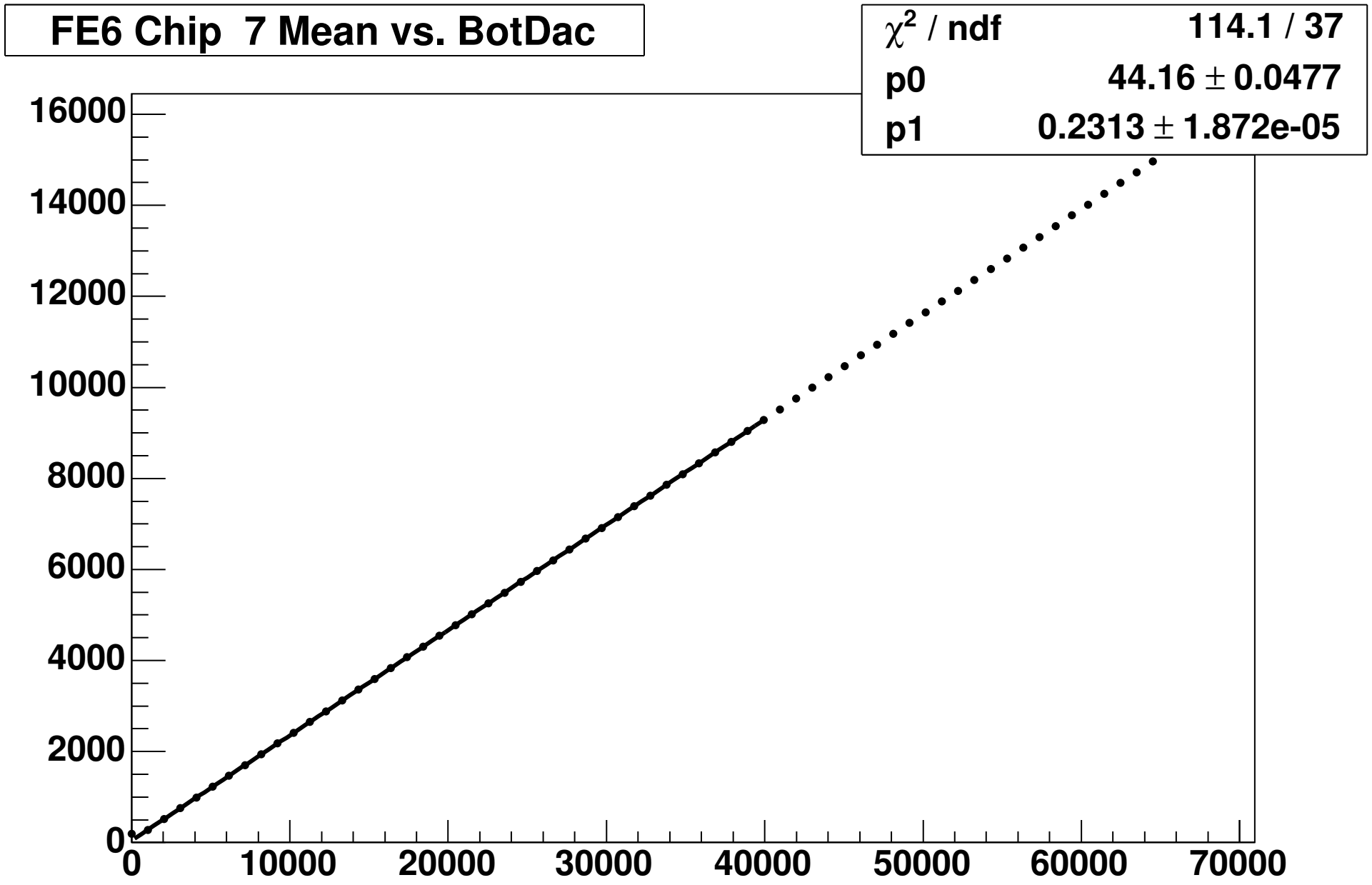
FE6 Chip 7 Mean vs. BotDac
χ² / ndf 114.1 / 37
p0 44.16 ± 0.0477
p1 0.2313 ± 1.872e-05
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14000
12000
10000
8000
6000
4000
2000
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0
10000
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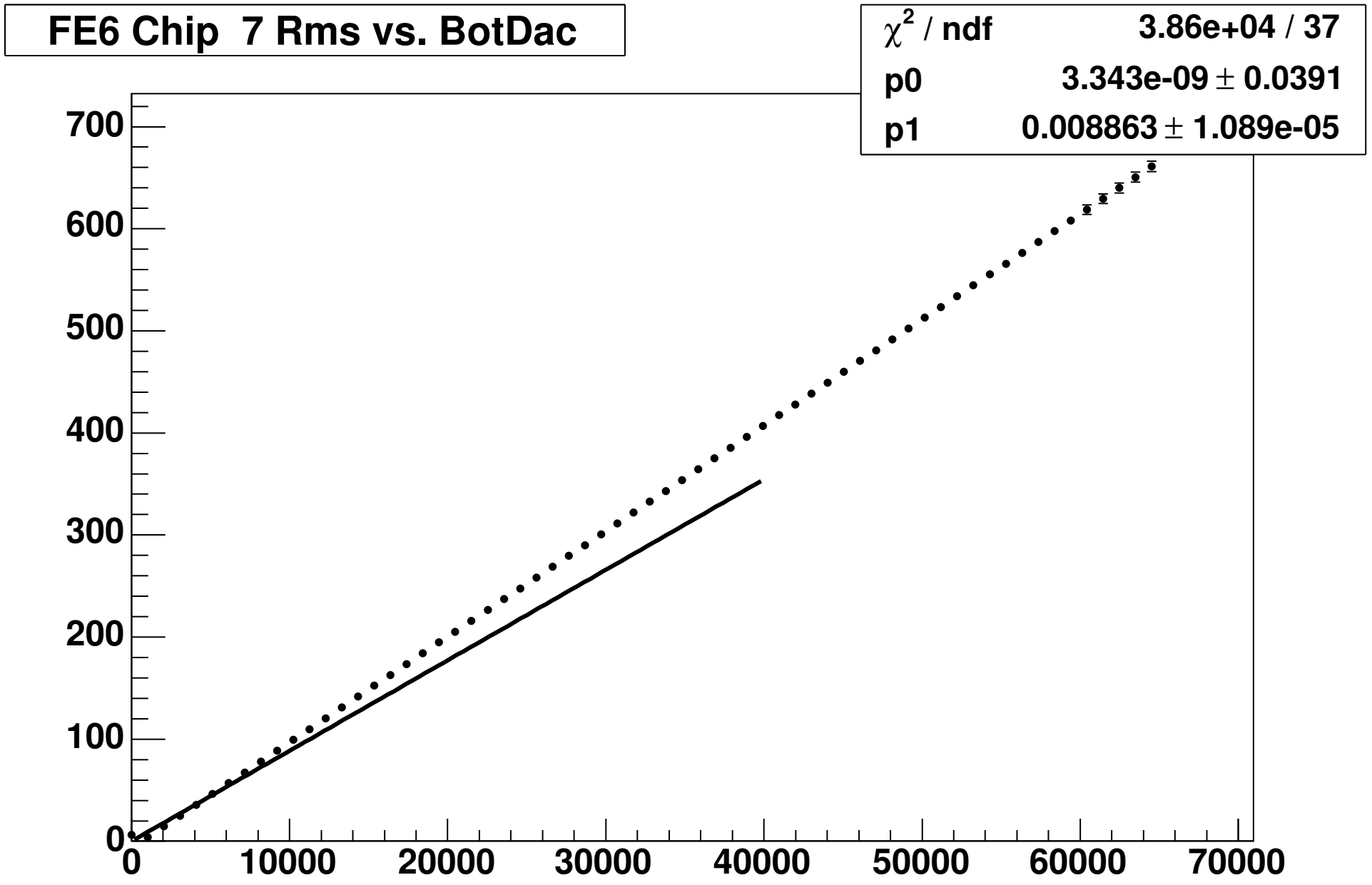
FE6 Chip 7 Rms vs. BotDac
χ² / ndf 3.86e+04 / 37
p0 3.343e-09 ± 0.0391
p1 0.008863 ± 1.089e-05
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500
400
300
200
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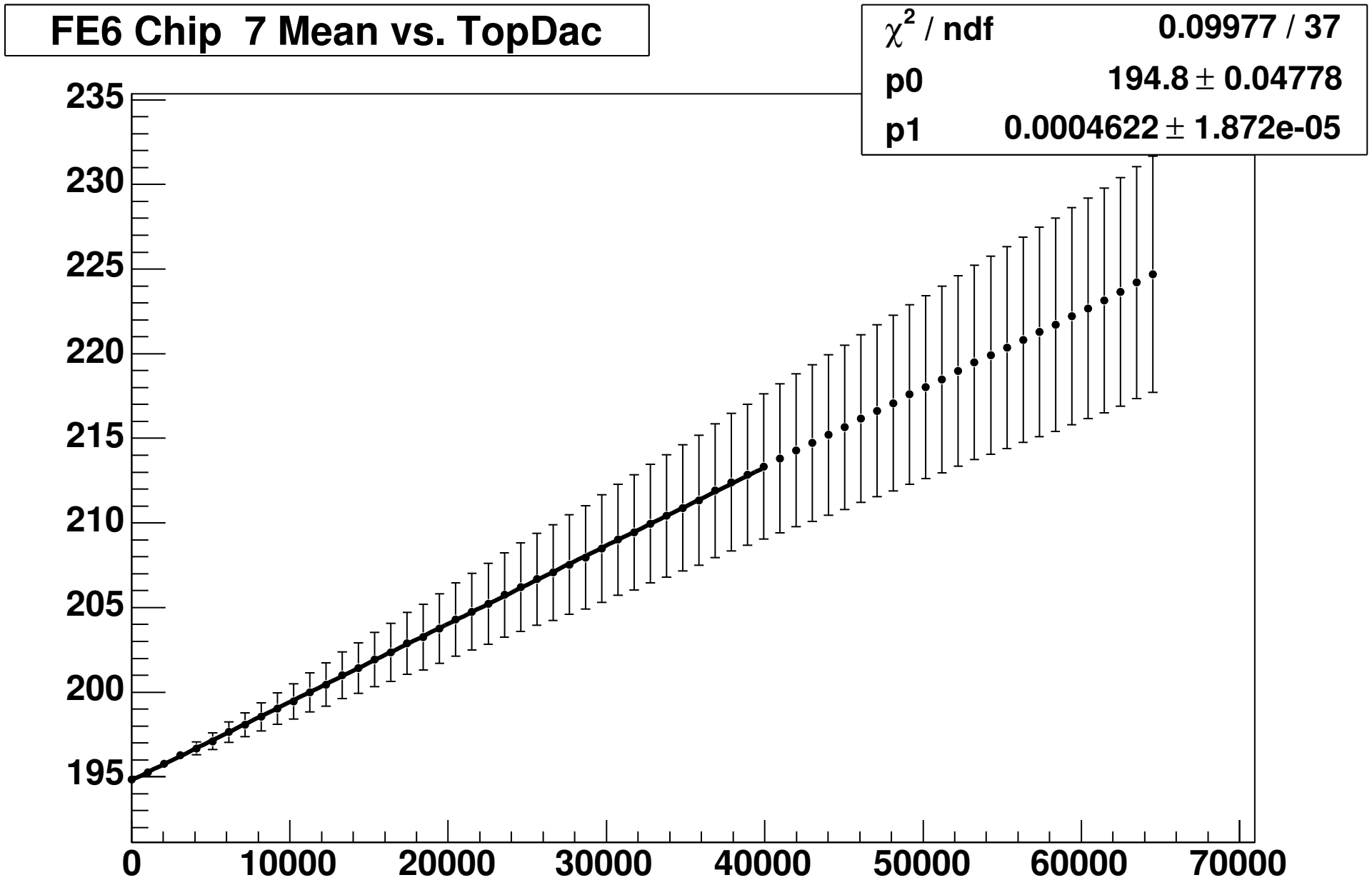
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 0.09977 / 37
p0 194.8 ± 0.04778
p1 0.0004622 ± 1.872e-05
235
230
225
220
215
210
205
200
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0
10000
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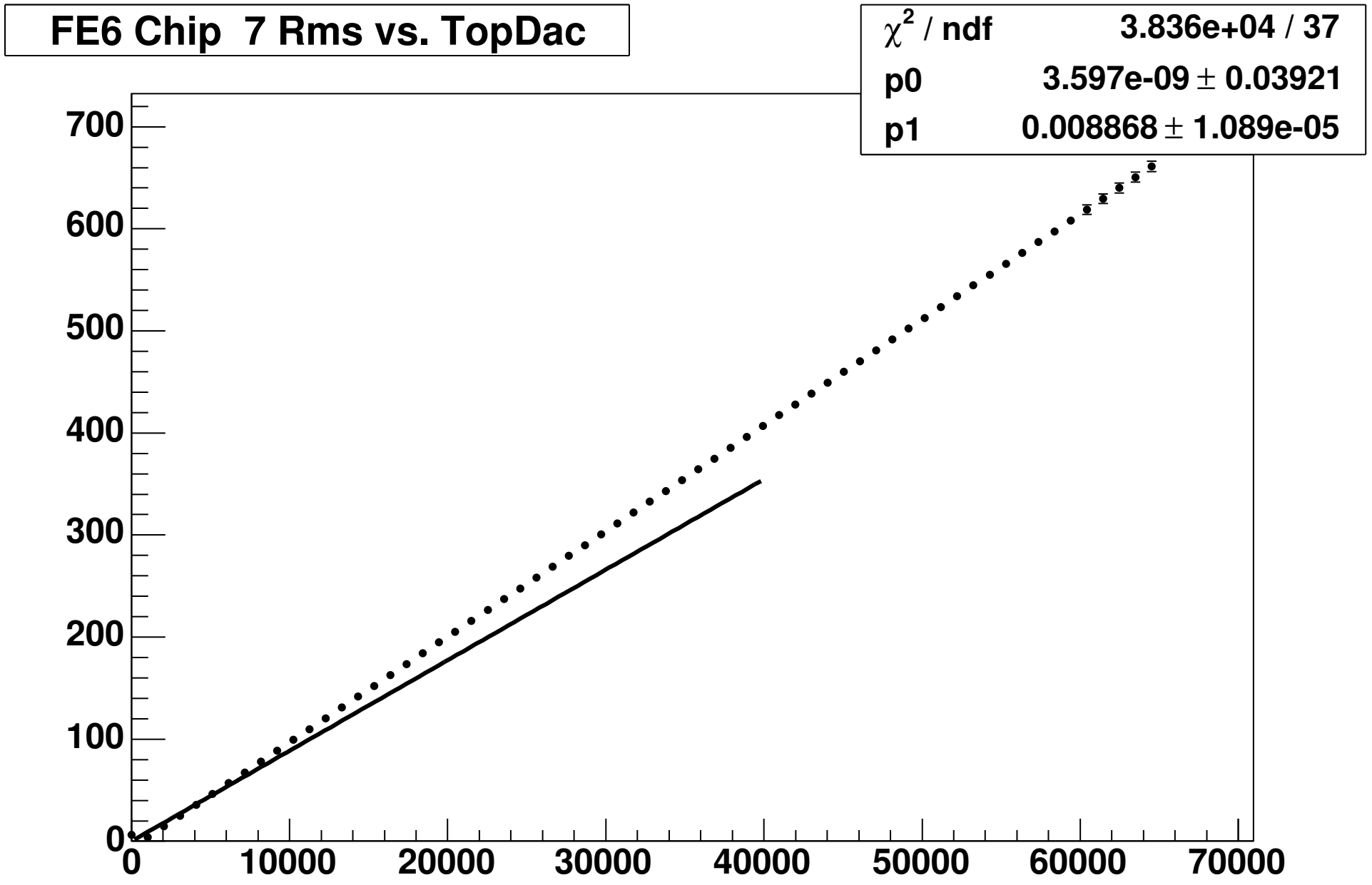
FE6 Chip 7 Rms vs. TopDac
χ² / ndf 3.836e+04 / 37
p0 3.597e-09 ± 0.03921
p1 0.008868 ± 1.089e-05
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500
400
300
200
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10000
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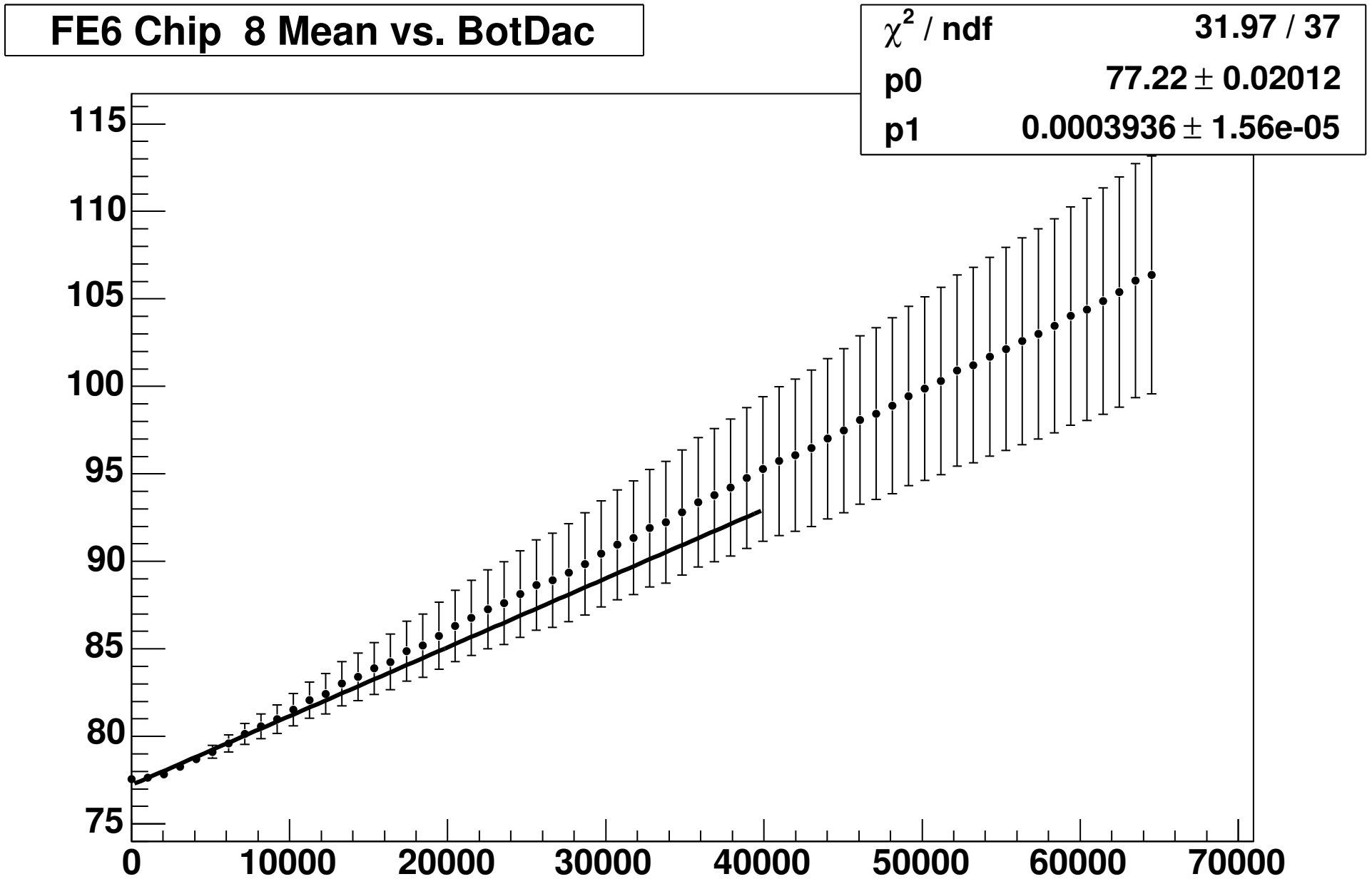
FE6 Chip 8 Mean vs. BotDac
χ^2 / ndf 31.97 / 37
p0 77.22 ± 0.02012
p1 0.0003936 ± 1.56e-05
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110
105
100
95
90
85
80
75
0
10000
20000
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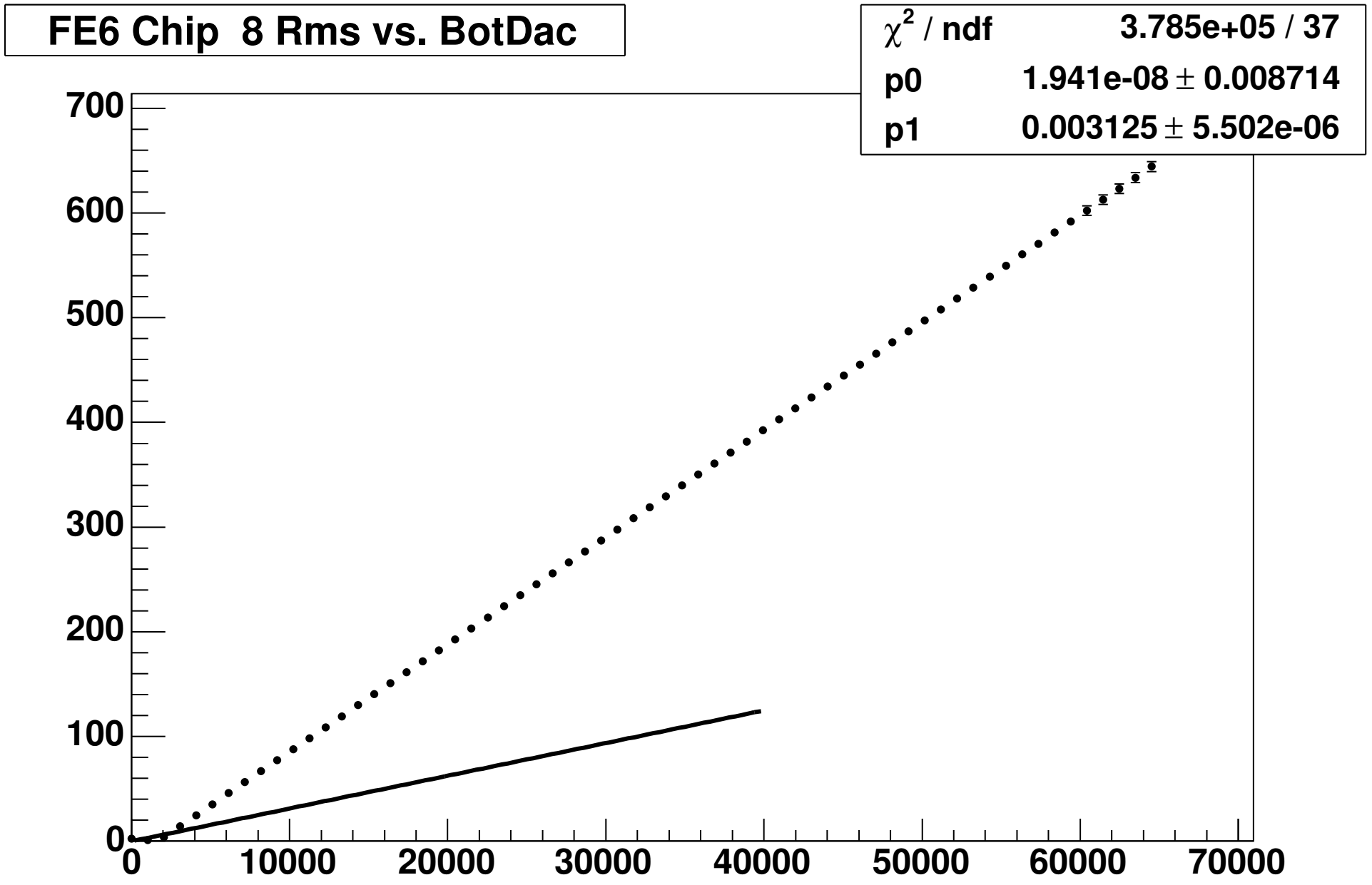
FE6 Chip 8 Rms vs. BotDac
χ² / ndf 3.785e+05 / 37
p0 1.941e-08 ± 0.008714
p1 0.003125 ± 5.502e-06
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600
500
400
300
200
100
0
0
10000
20000
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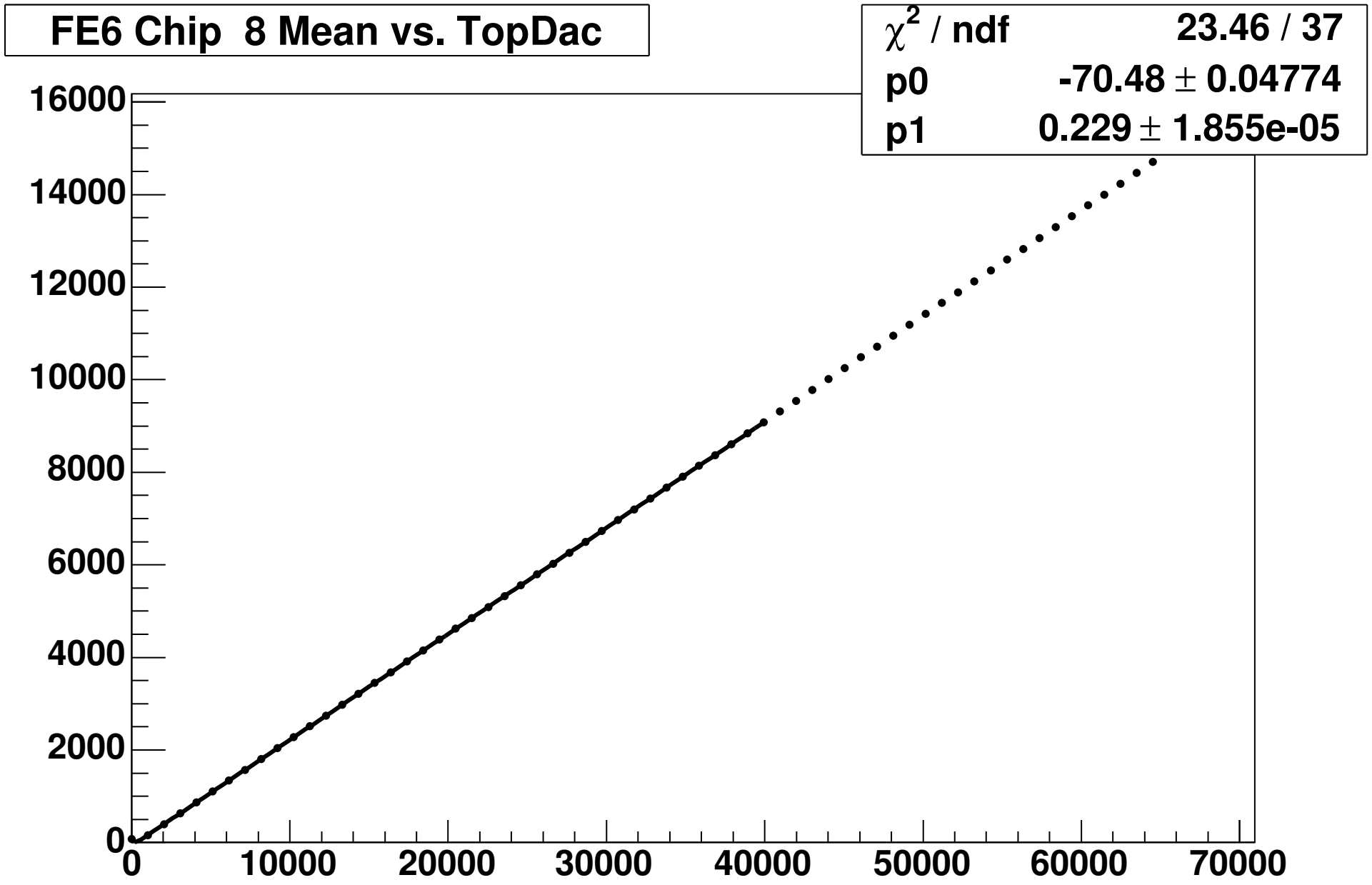
FE6 Chip 8 Mean vs. TopDac
χ² / ndf 23.46 / 37
p0 -70.48 ± 0.04774
p1 0.229 ± 1.855e-05
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14000
12000
10000
8000
6000
4000
2000
0
0
10000
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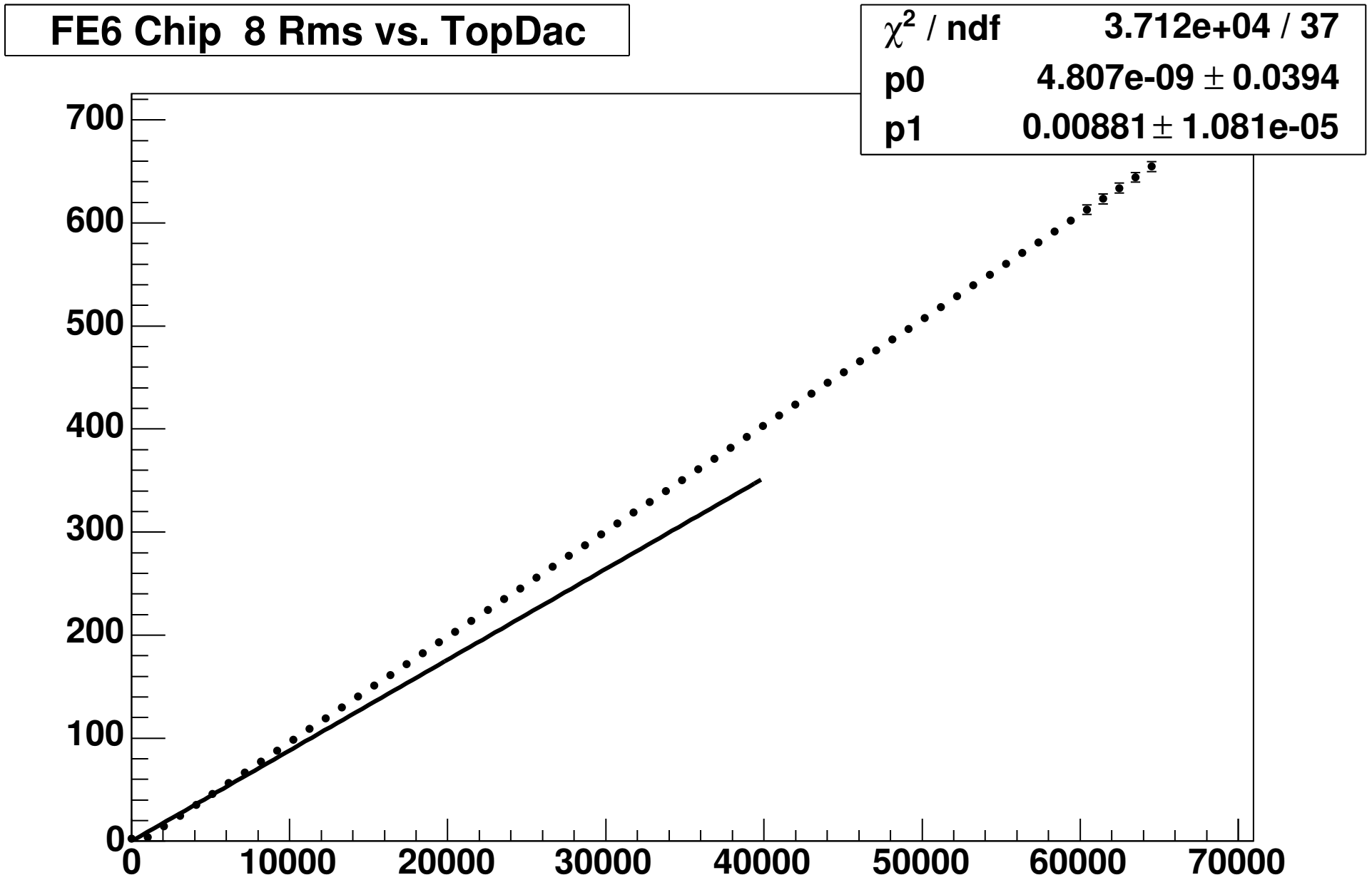
FE6 Chip 8 Rms vs. TopDac
χ² / ndf 3.712e+04 / 37
p0 4.807e-09 ± 0.0394
p1 0.00881 ± 1.081e-05
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500
400
300
200
100
0
0
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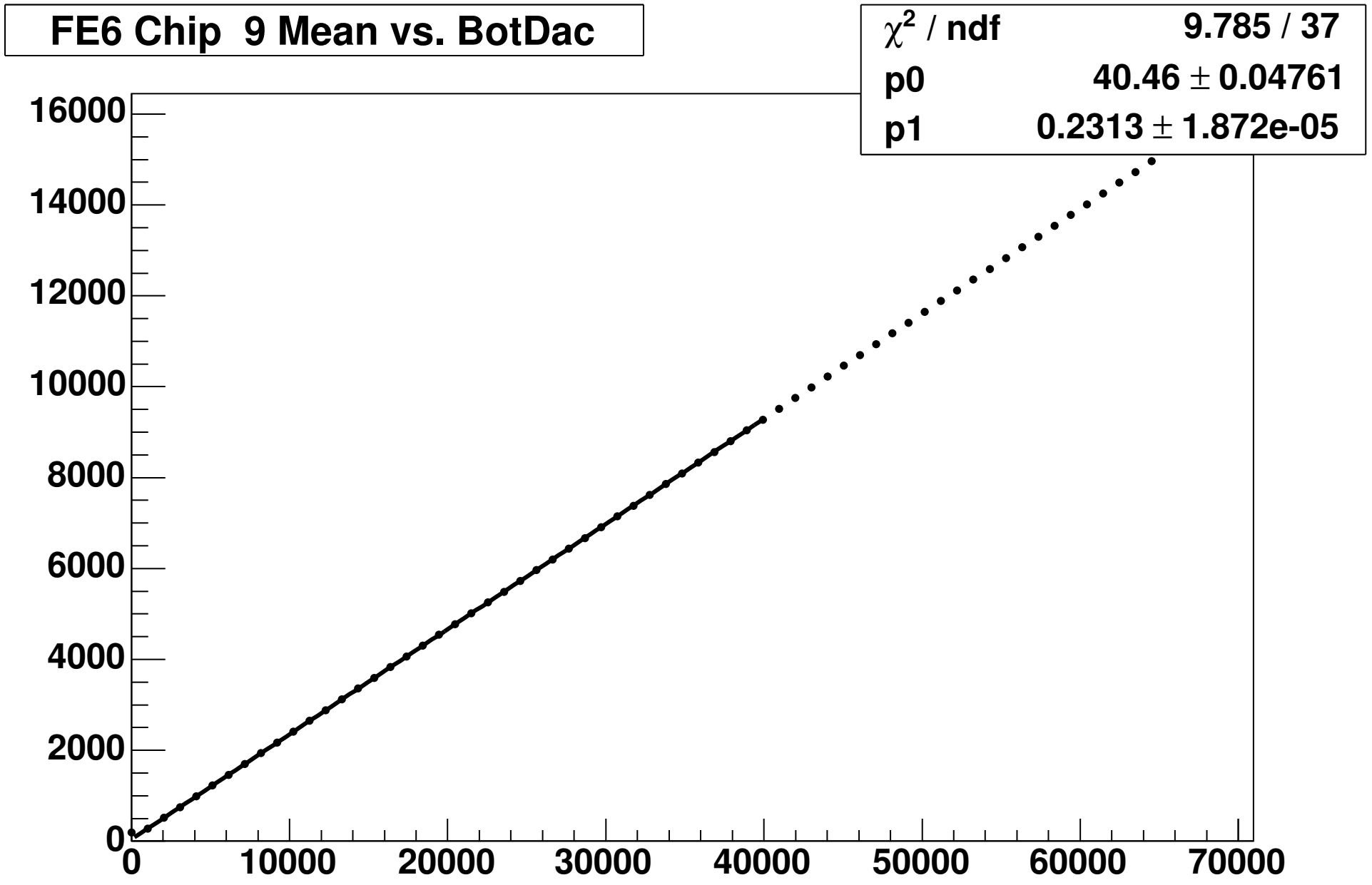
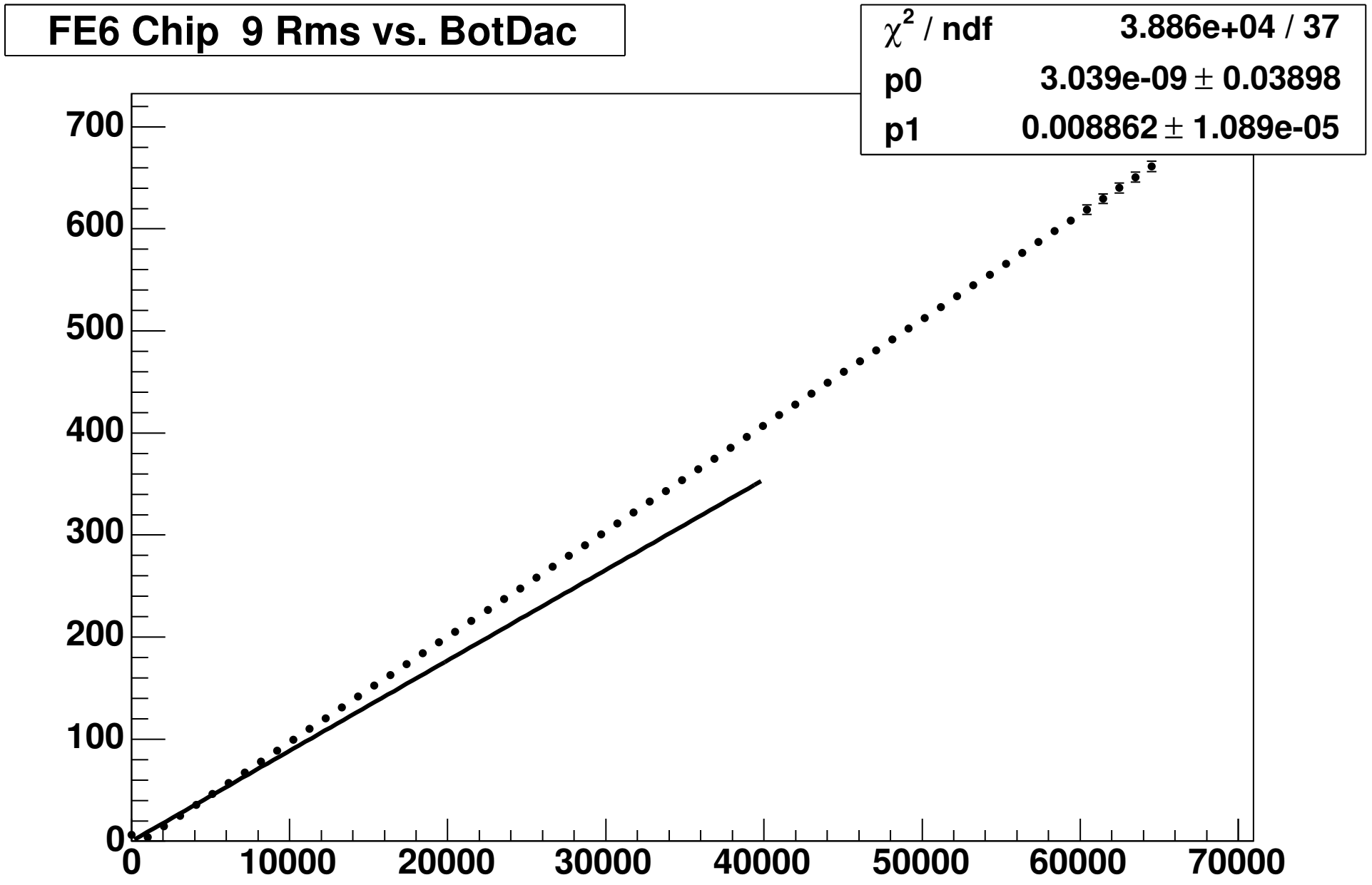

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 9.785 / 37
p0 40.46 ± 0.04761
p1 0.2313 ± 1.872e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 3.886e+04 / 37
p0 3.039e-09 ± 0.03898
p1 0.008862 ± 1.089e-05
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600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
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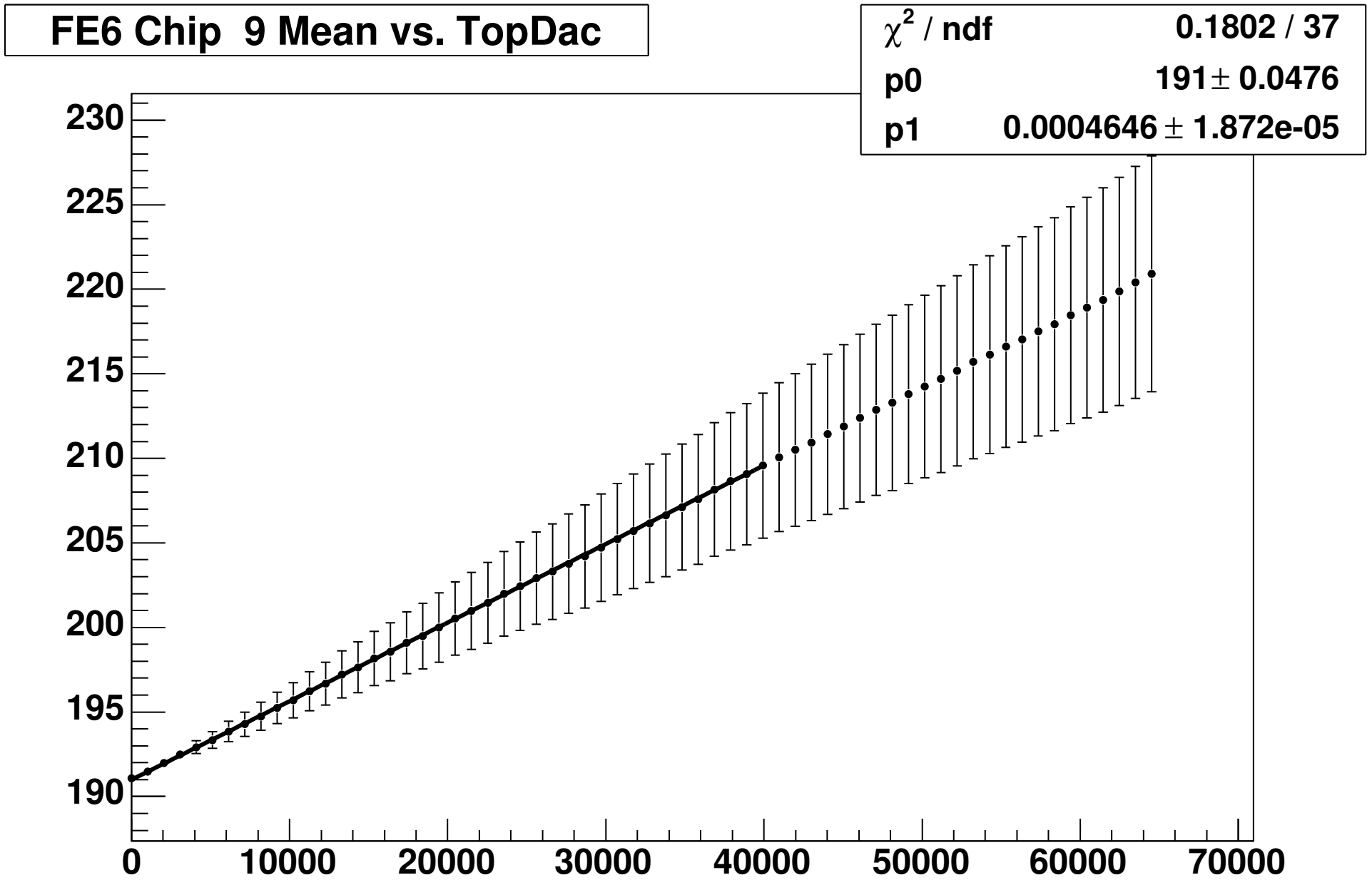
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 0.1802 / 37
p0 191 ± 0.0476
p1 0.0004646 ± 1.872e-05
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210
205
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195
190
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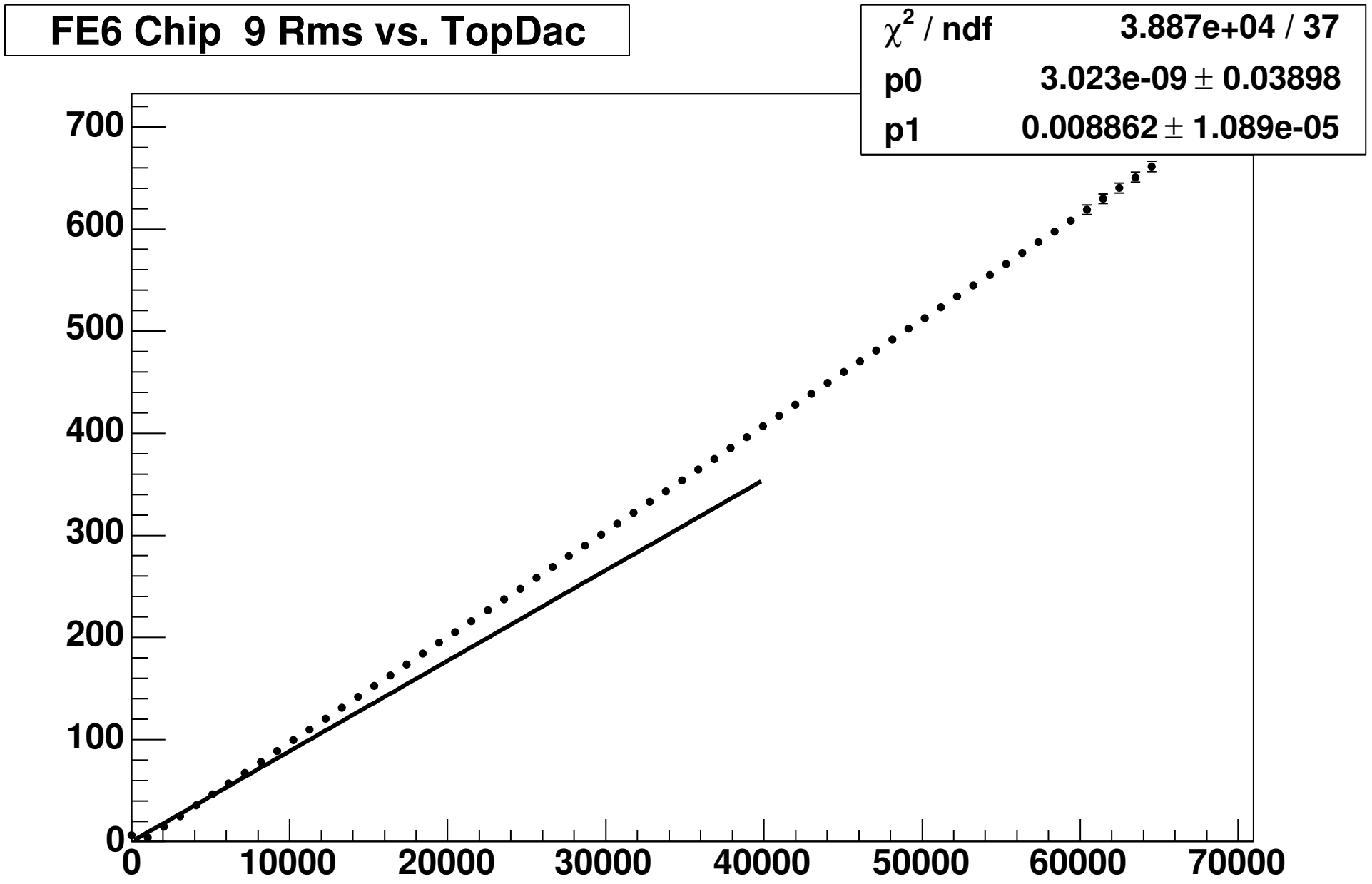
FE6 Chip 9 Rms vs. TopDac
χ^2 / ndf 3.887e+04 / 37
p0 3.023e-09 ± 0.03898
p1 0.008862 ± 1.089e-05
700
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500
400
300
200
100
0
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10000
20000
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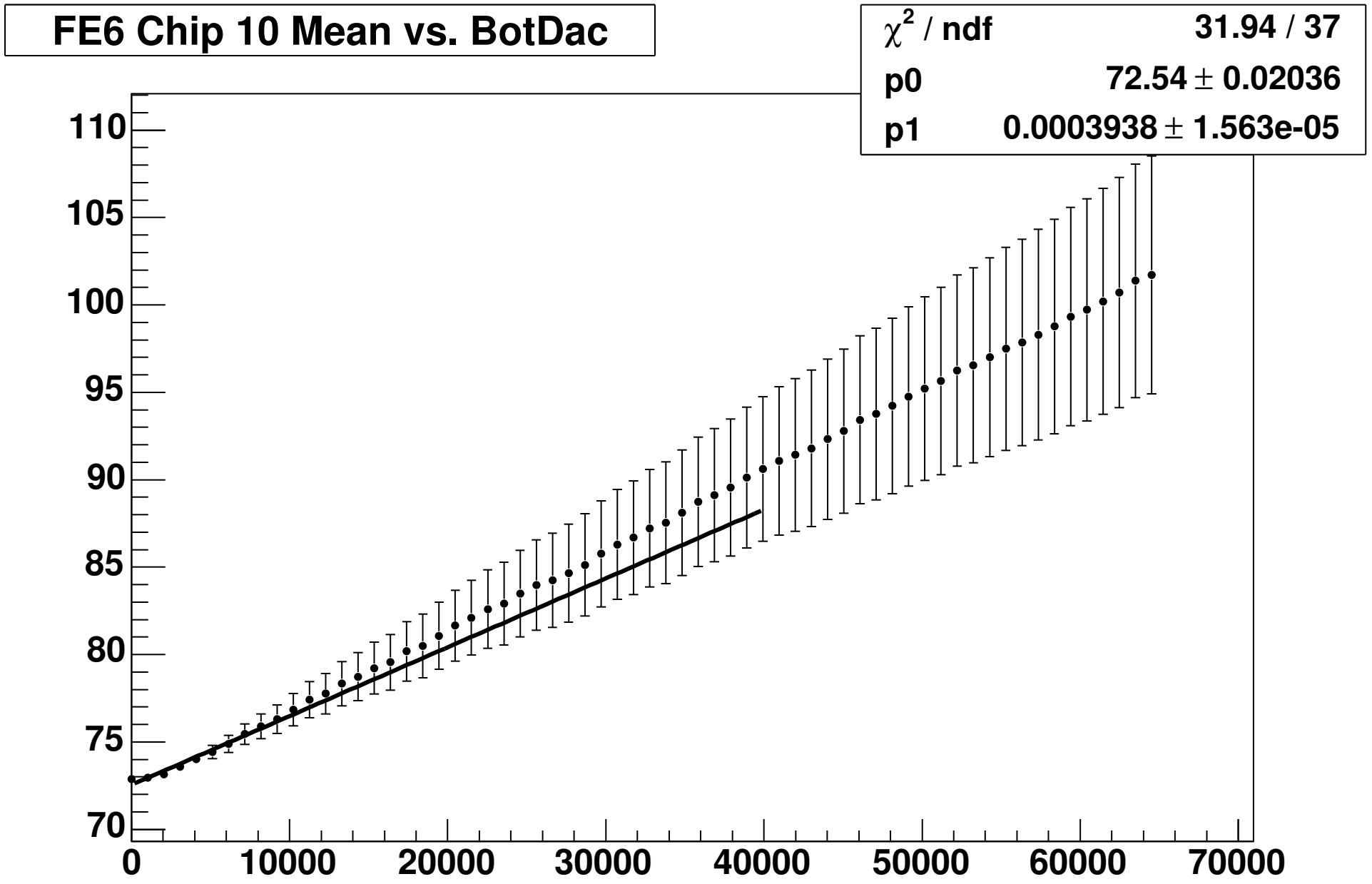
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 31.94 / 37
p0 72.54 ± 0.02036
p1 0.0003938 ± 1.563e-05
110
105
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95
90
85
80
75
70
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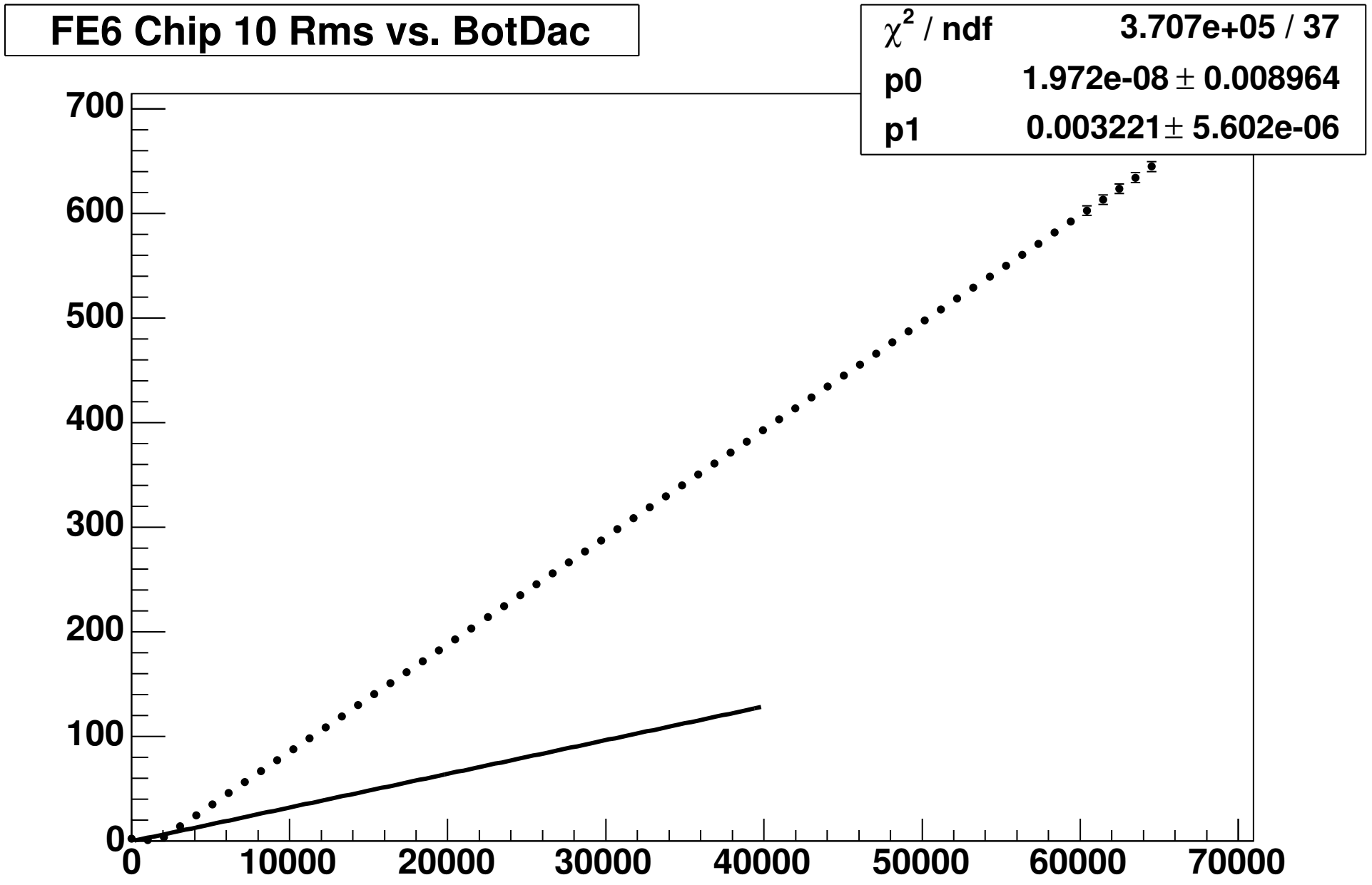
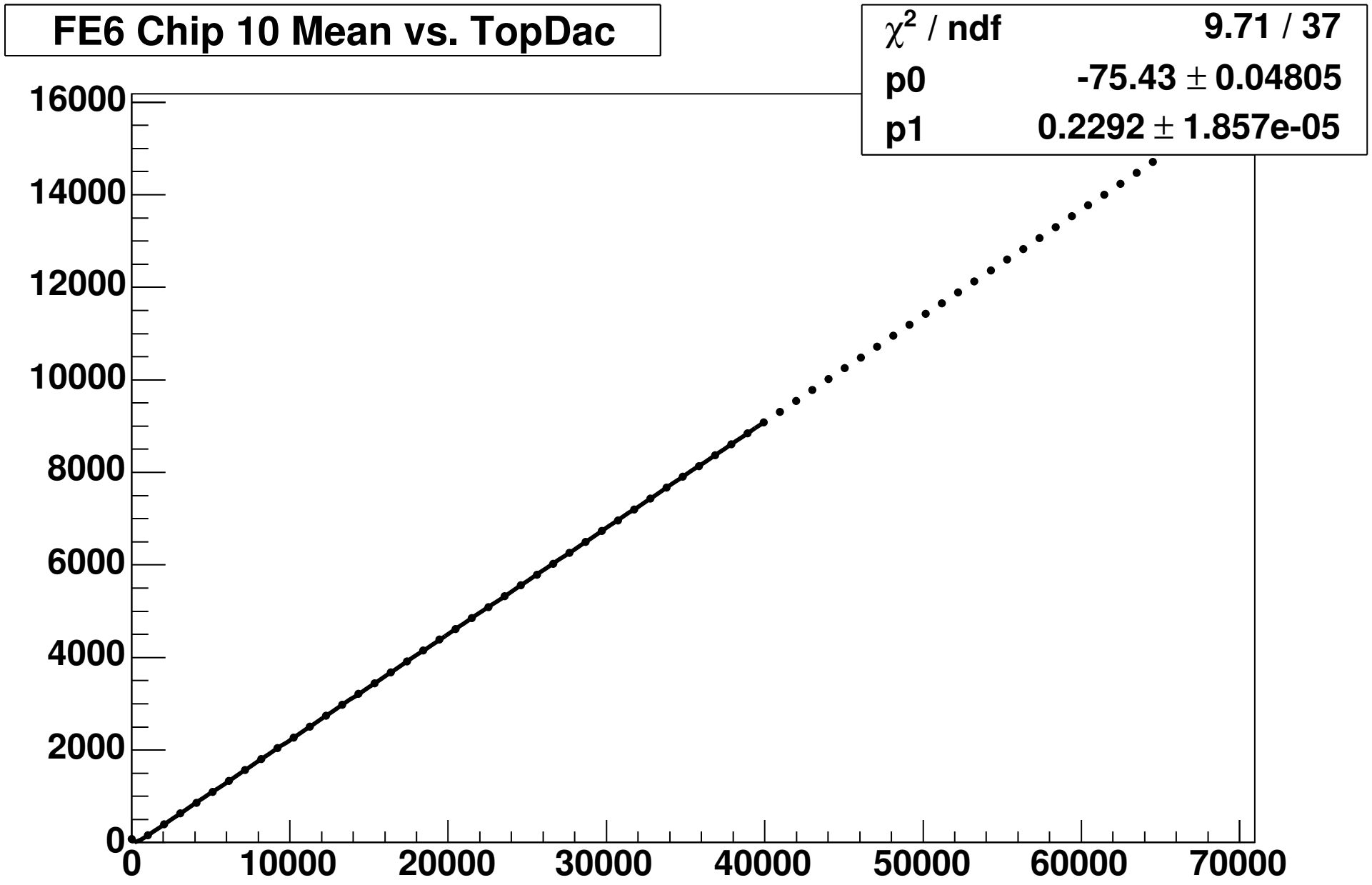
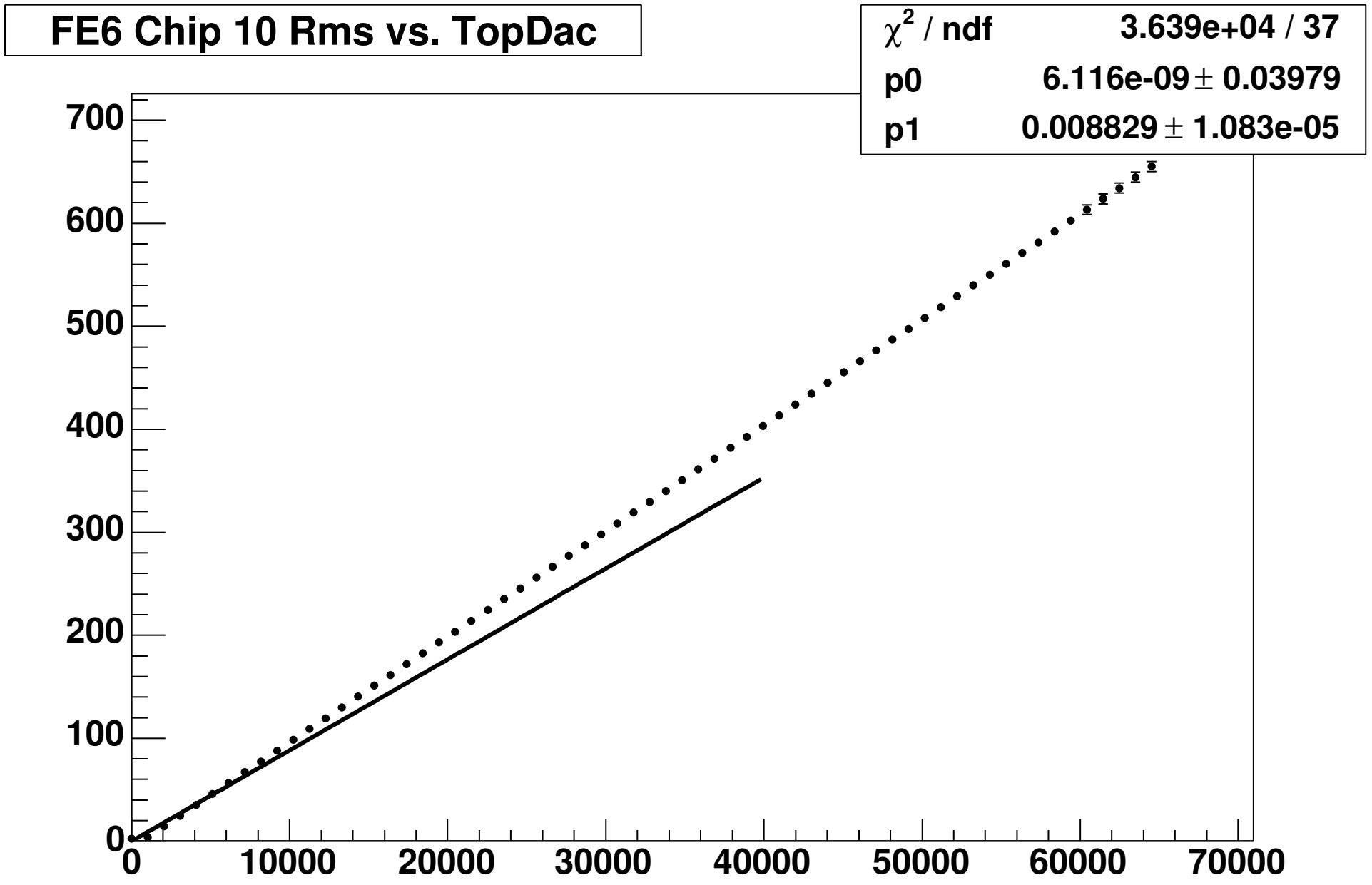
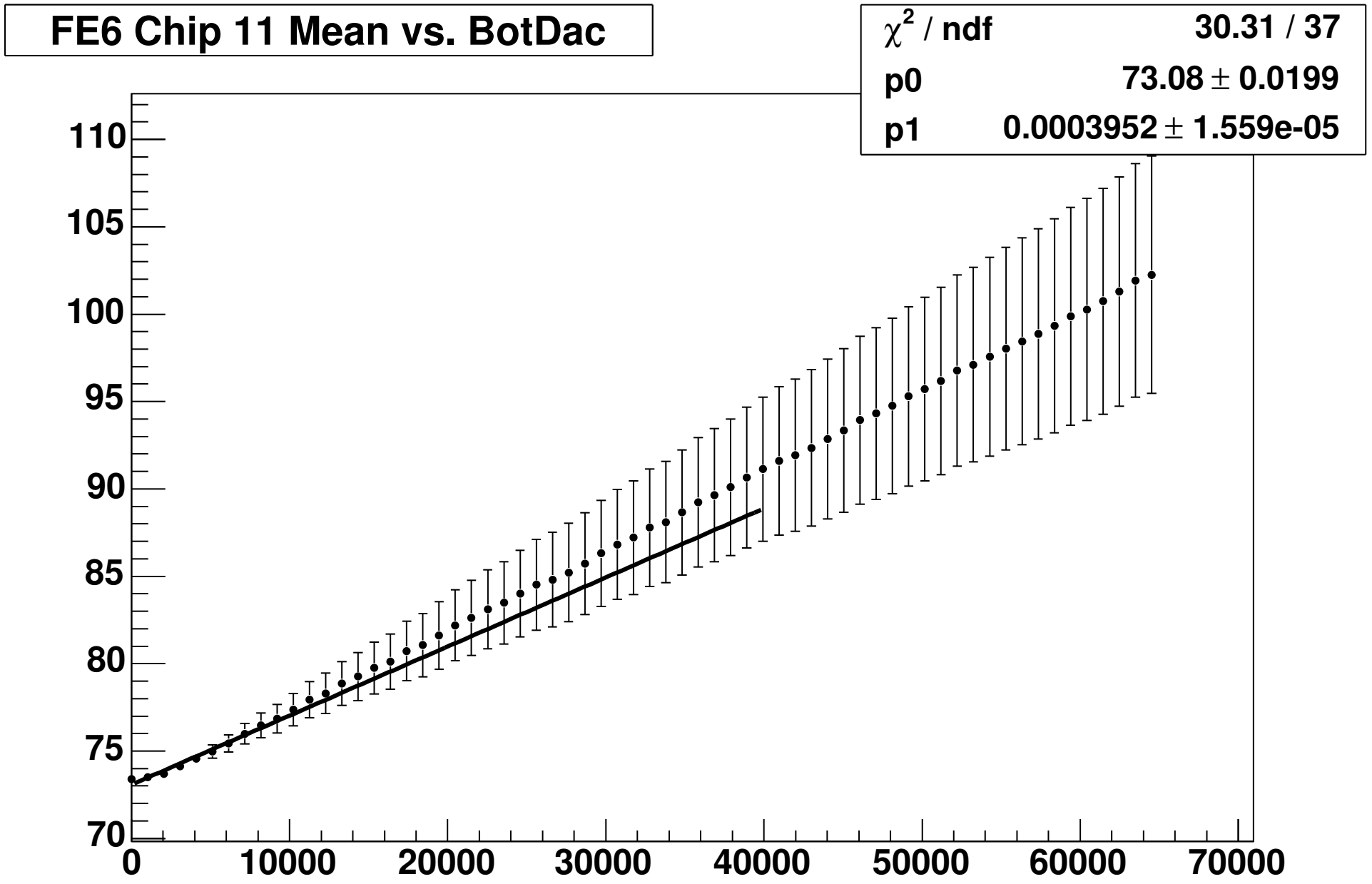
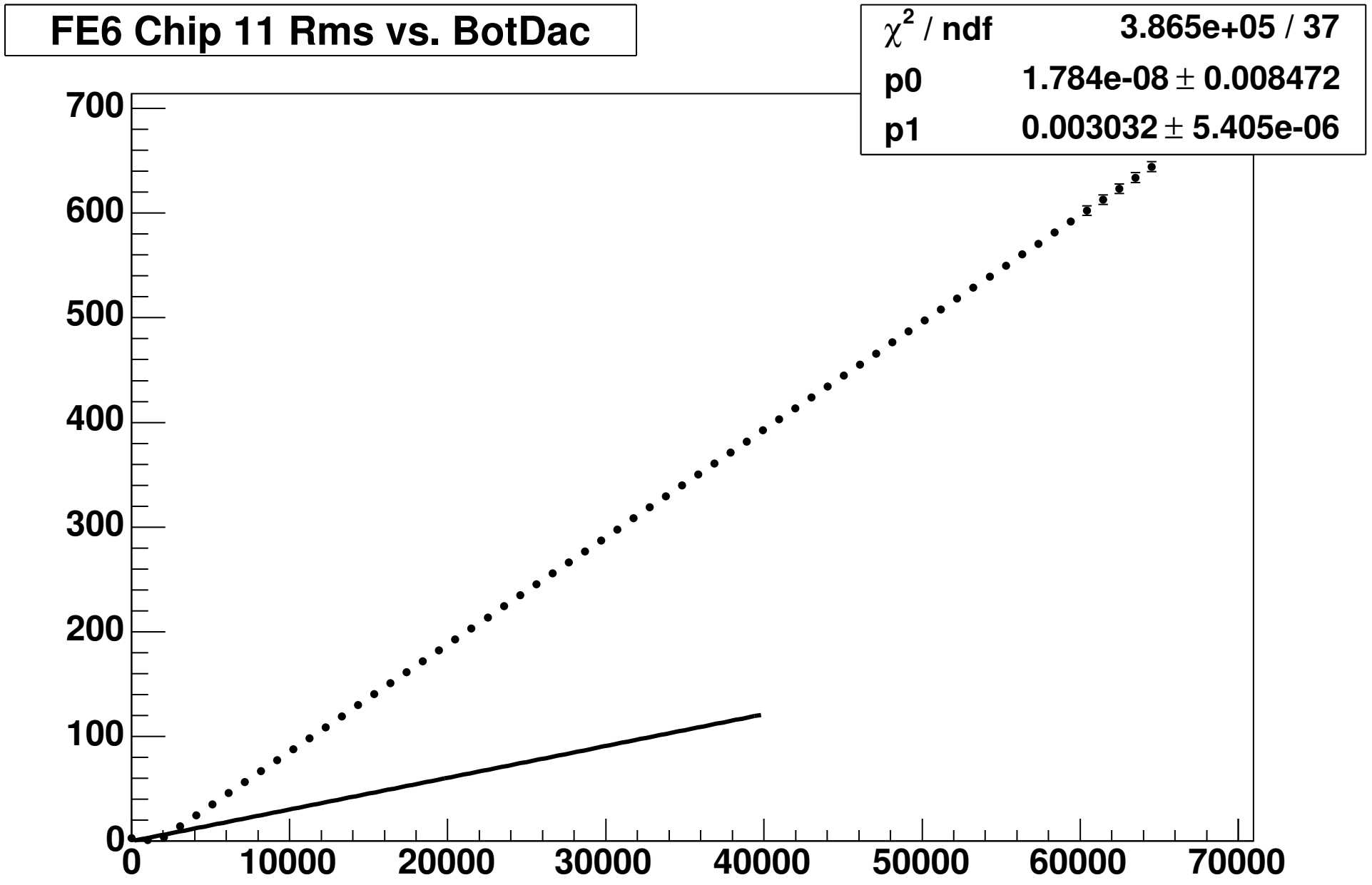
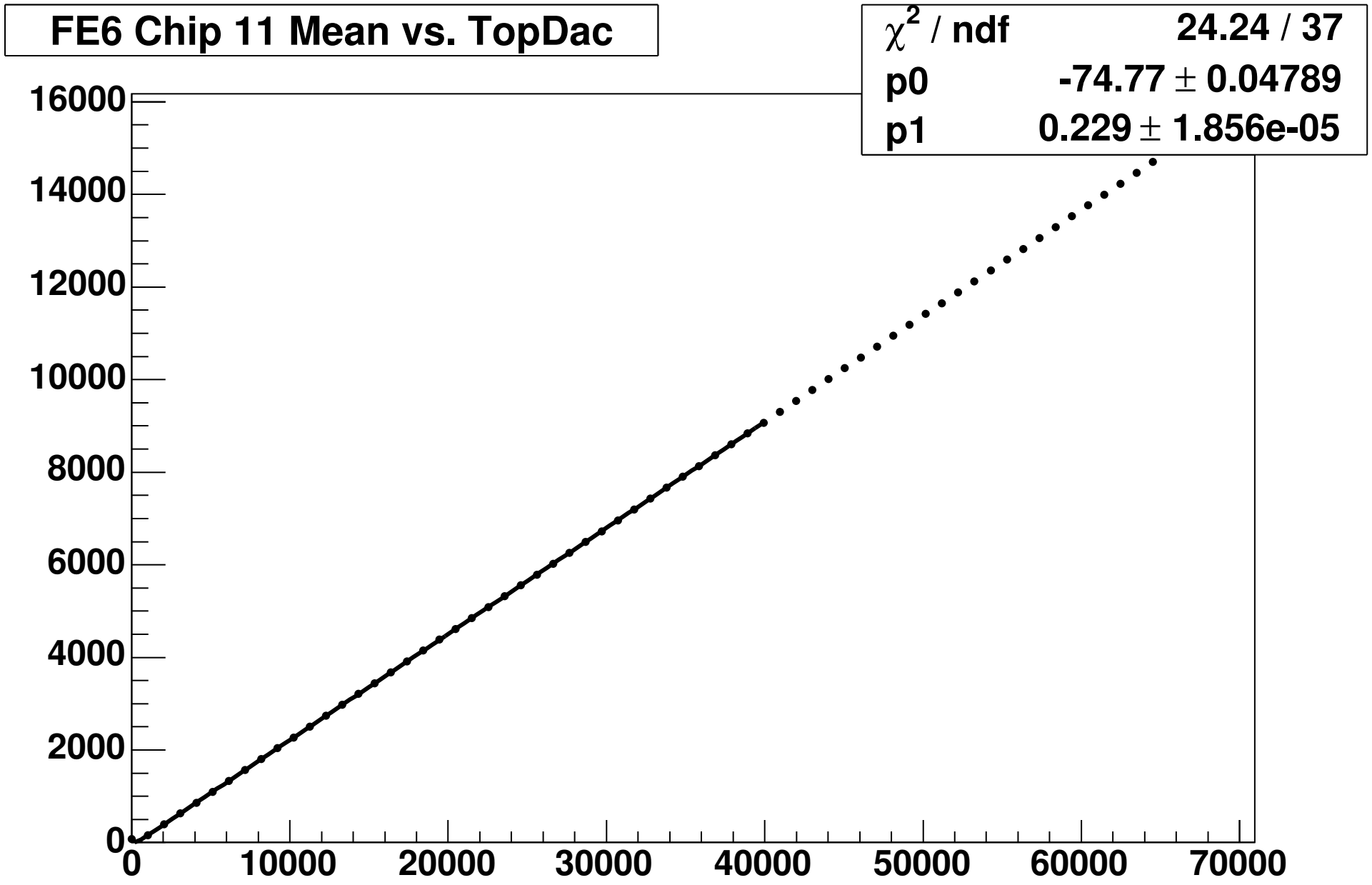

FE6 Chip 10 Rms vs. BotDac
χ² / ndf 3.707e+05 / 37
p0 1.972e-08 ± 0.008964
p1 0.003221 ± 5.602e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

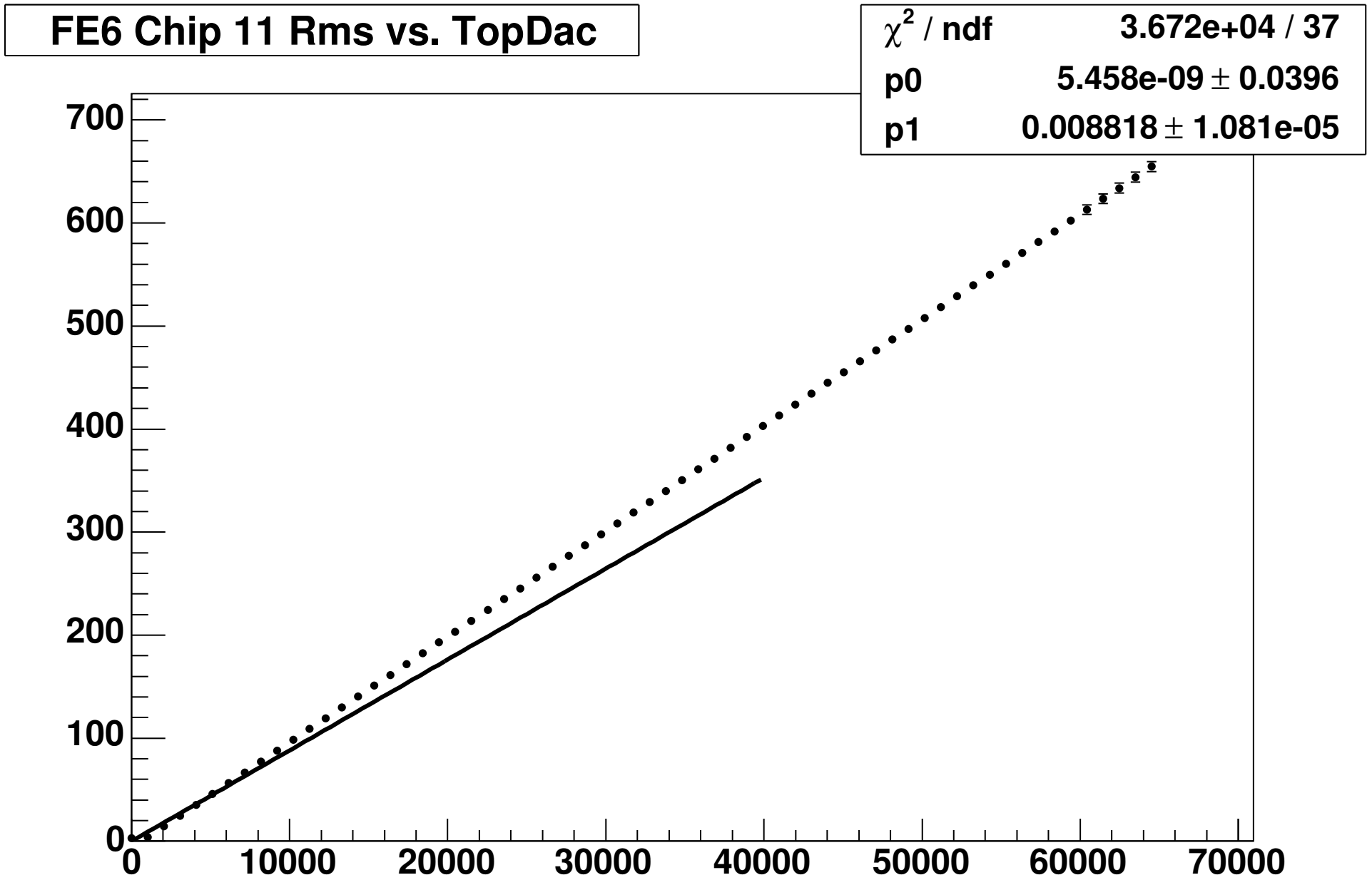

FE6 Chip 10 Mean vs. TopDac
χ² / ndf 9.71 / 37
p0 -75.43 ± 0.04805
p1 0.2292 ± 1.857e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

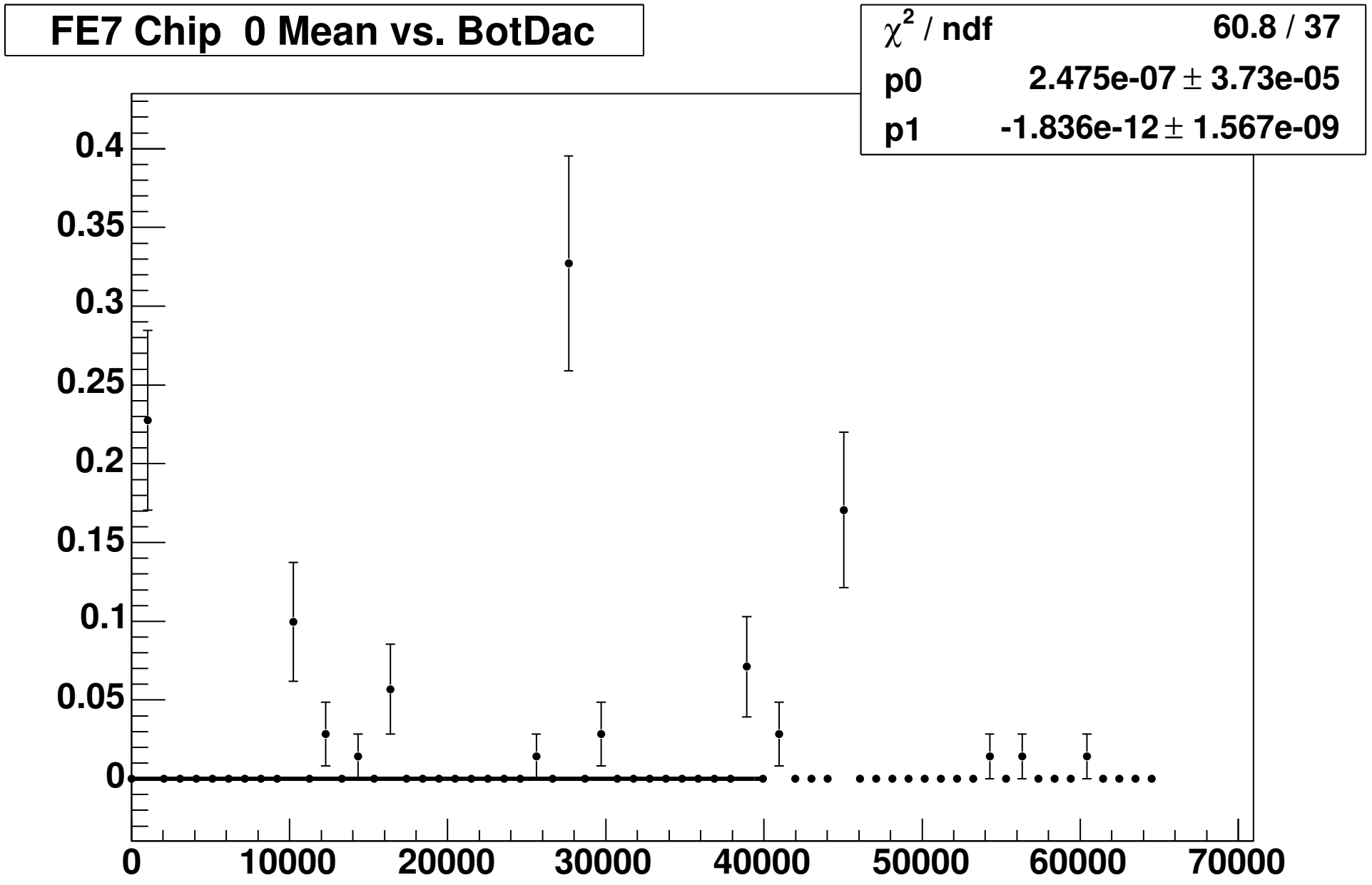

FE6 Chip 10 Rms vs. TopDac
χ² / ndf 3.639e+04 / 37
p0 6.116e-09 ± 0.03979
p1 0.008829 ± 1.083e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

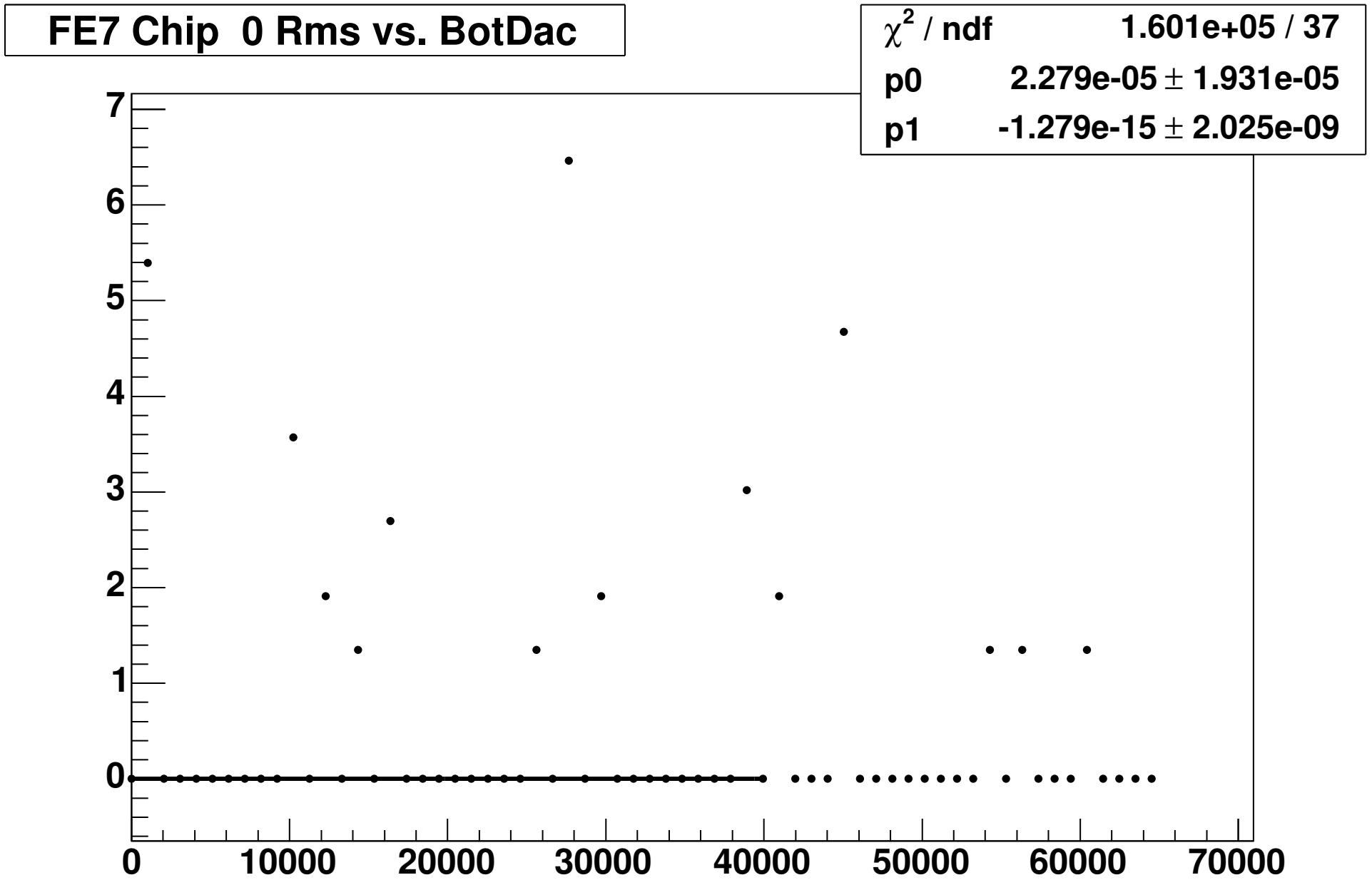

FE6 Chip 11 Mean vs. BotDac
χ² / ndf 30.31 / 37
p0 73.08 ± 0.0199
p1 0.0003952 ± 1.559e-05
110
105
100
95
90
85
80
75
70
0
10000
20000
30000
40000
50000
60000
70000

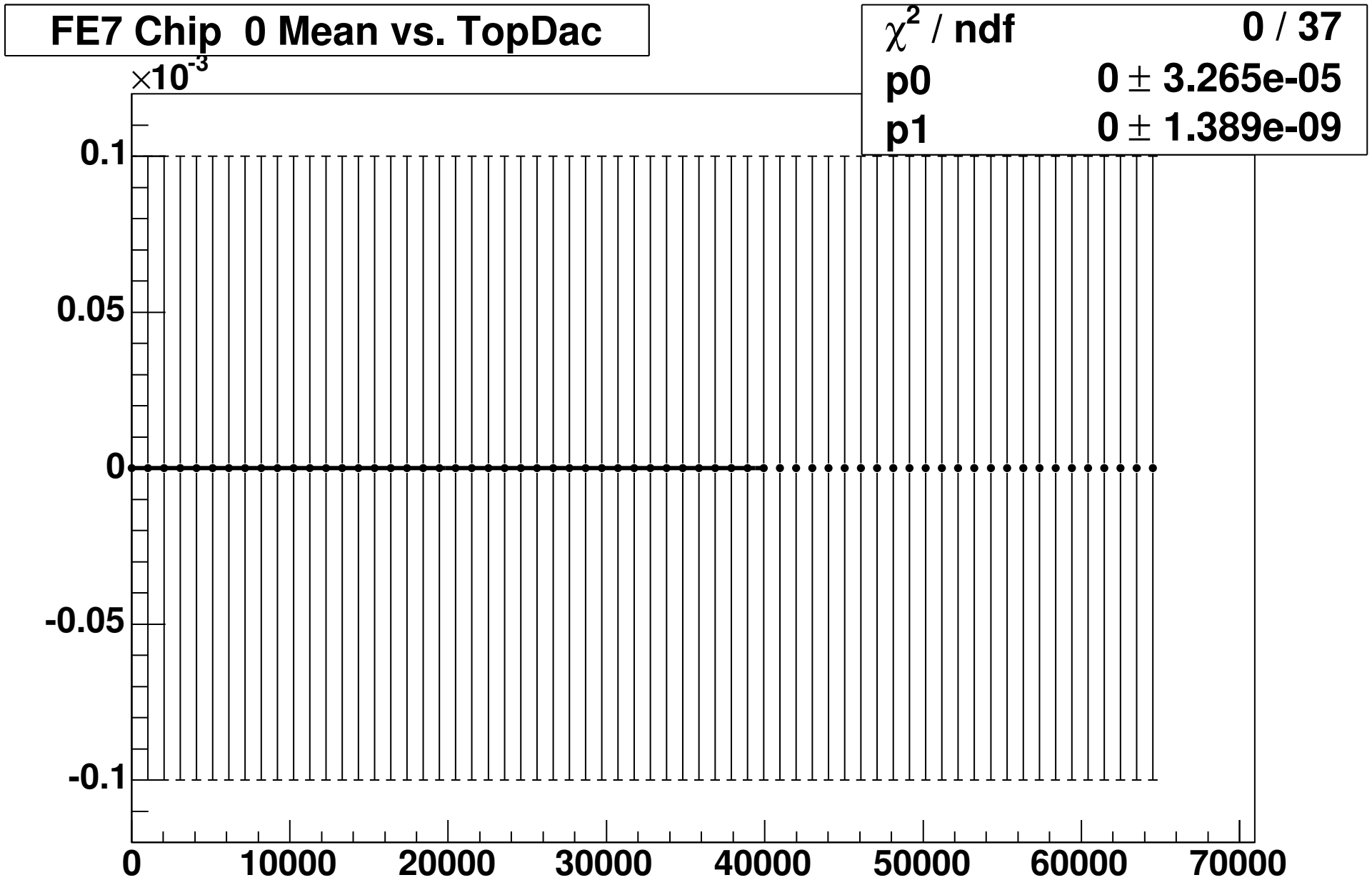

FE6 Chip 11 Rms vs. BotDac
χ² / ndf 3.865e+05 / 37
p0 1.784e-08 ± 0.008472
p1 0.003032 ± 5.405e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

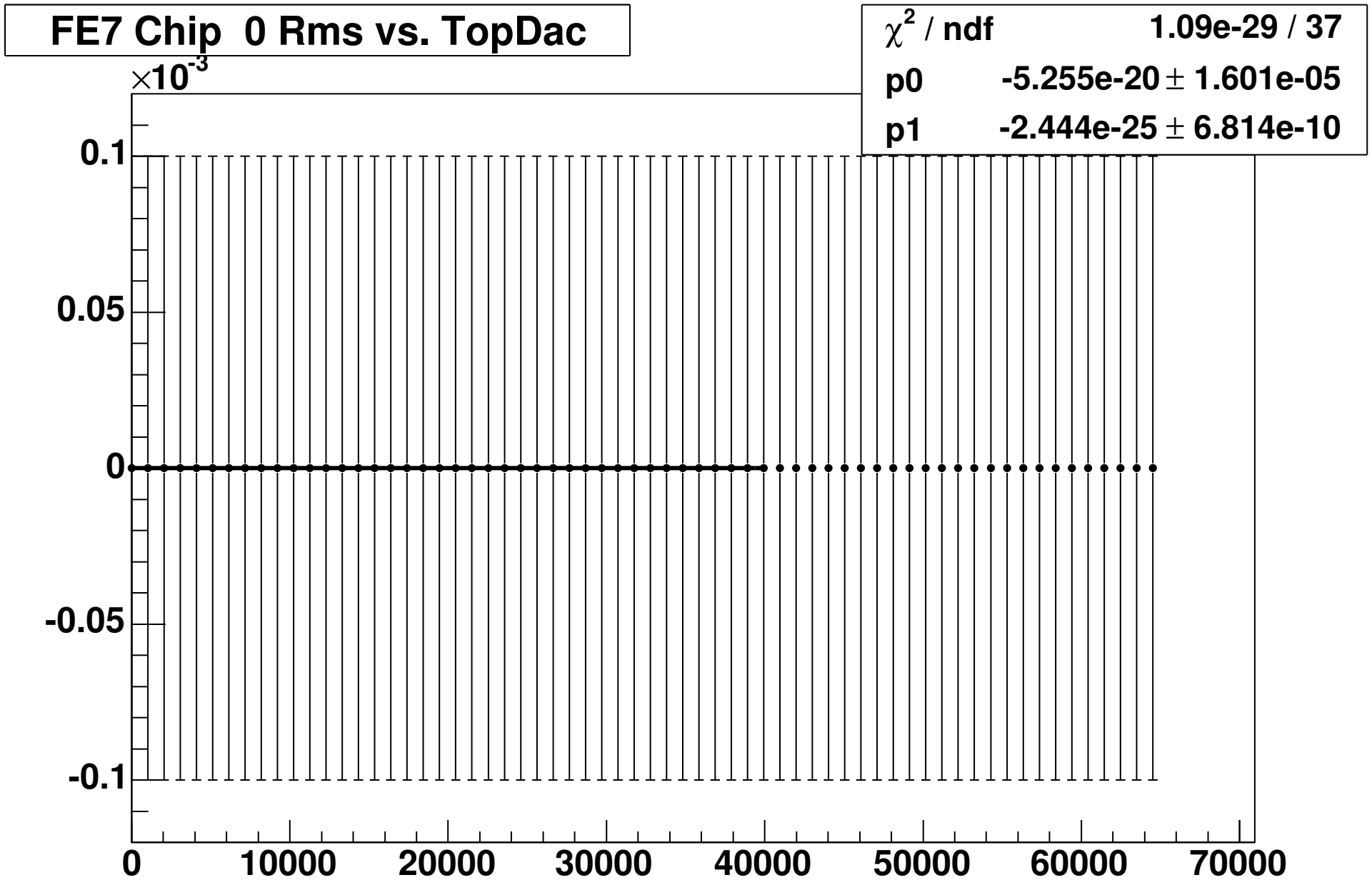

FE6 Chip 11 Mean vs. TopDac
χ² / ndf 24.24 / 37
p0 -74.77 ± 0.04789
p1 0.229 ± 1.856e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

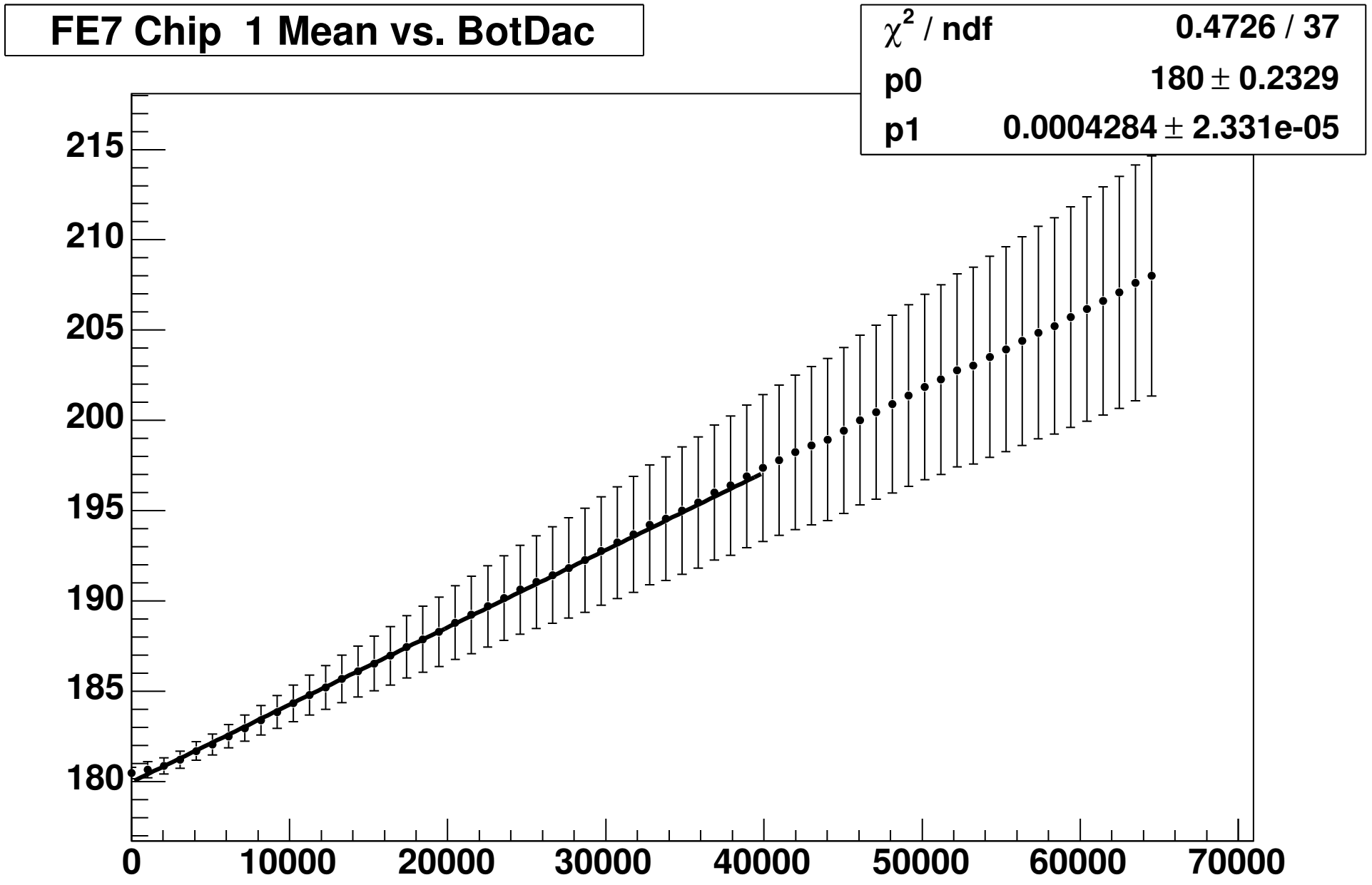

FE6 Chip 11 Rms vs. TopDac
χ² / ndf 3.672e+04 / 37
p0 5.458e-09 ± 0.0396
p1 0.008818 ± 1.081e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

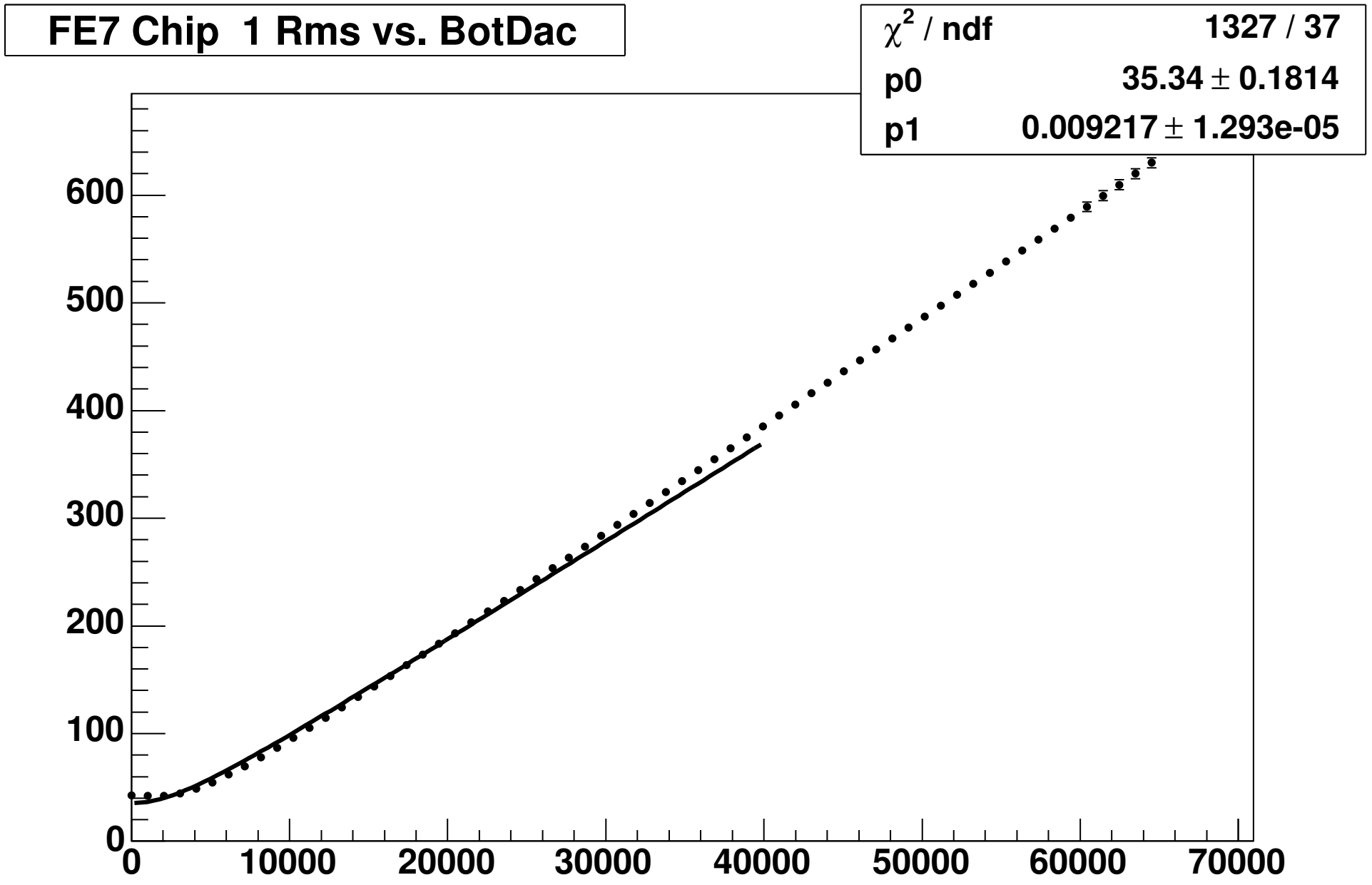

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 60.8 / 37
p0 2.475e-07 ± 3.73e-05
p1 -1.836e-12 ± 1.567e-09
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
10000
20000
30000
40000
50000
60000
70000

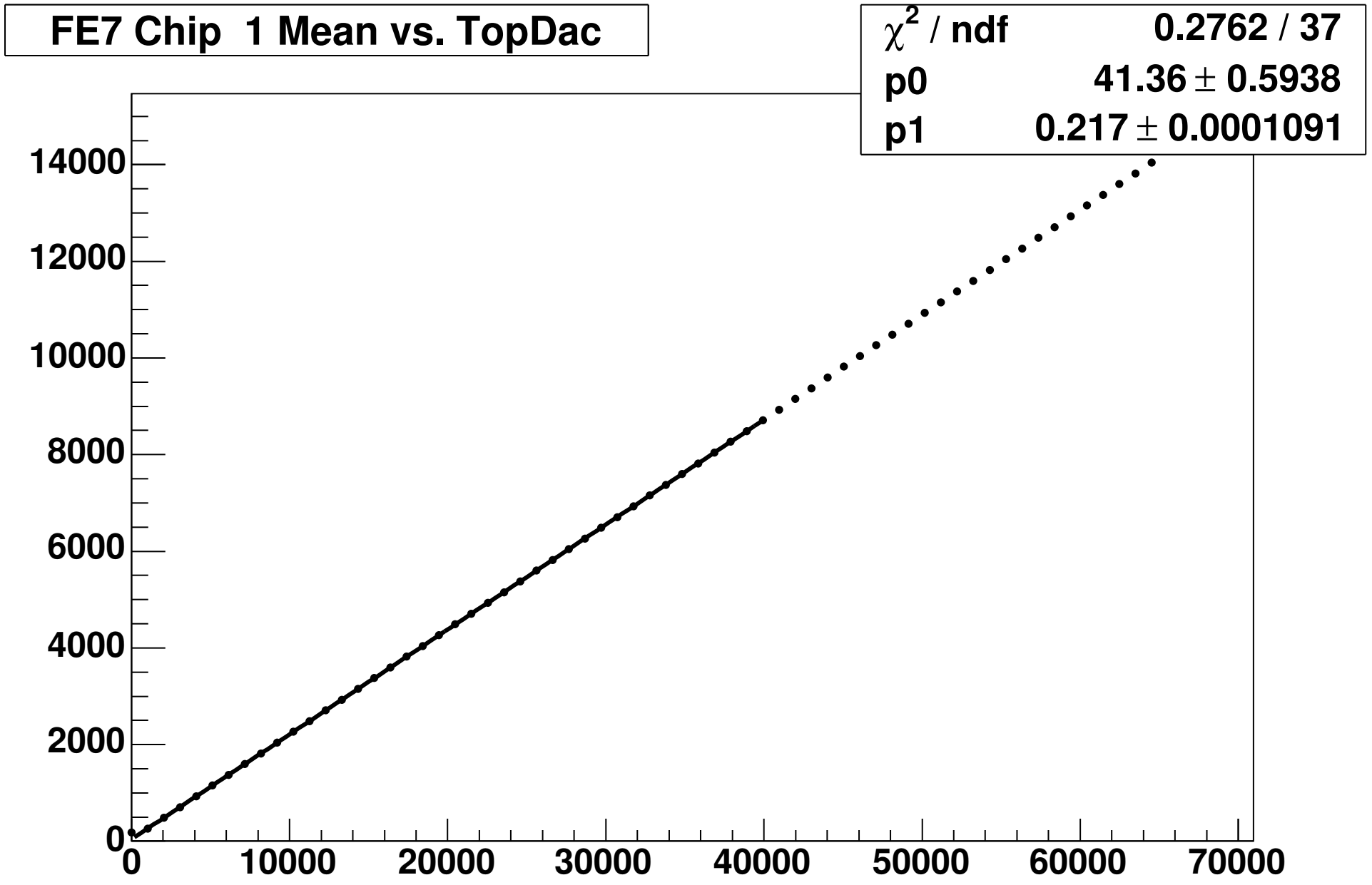

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1.601e+05 / 37
p0 2.279e-05 ± 1.931e-05
p1 -1.279e-15 ± 2.025e-09
7
6
5
4
3
2
1
0
0
10000
20000
30000
40000
50000
60000
70000

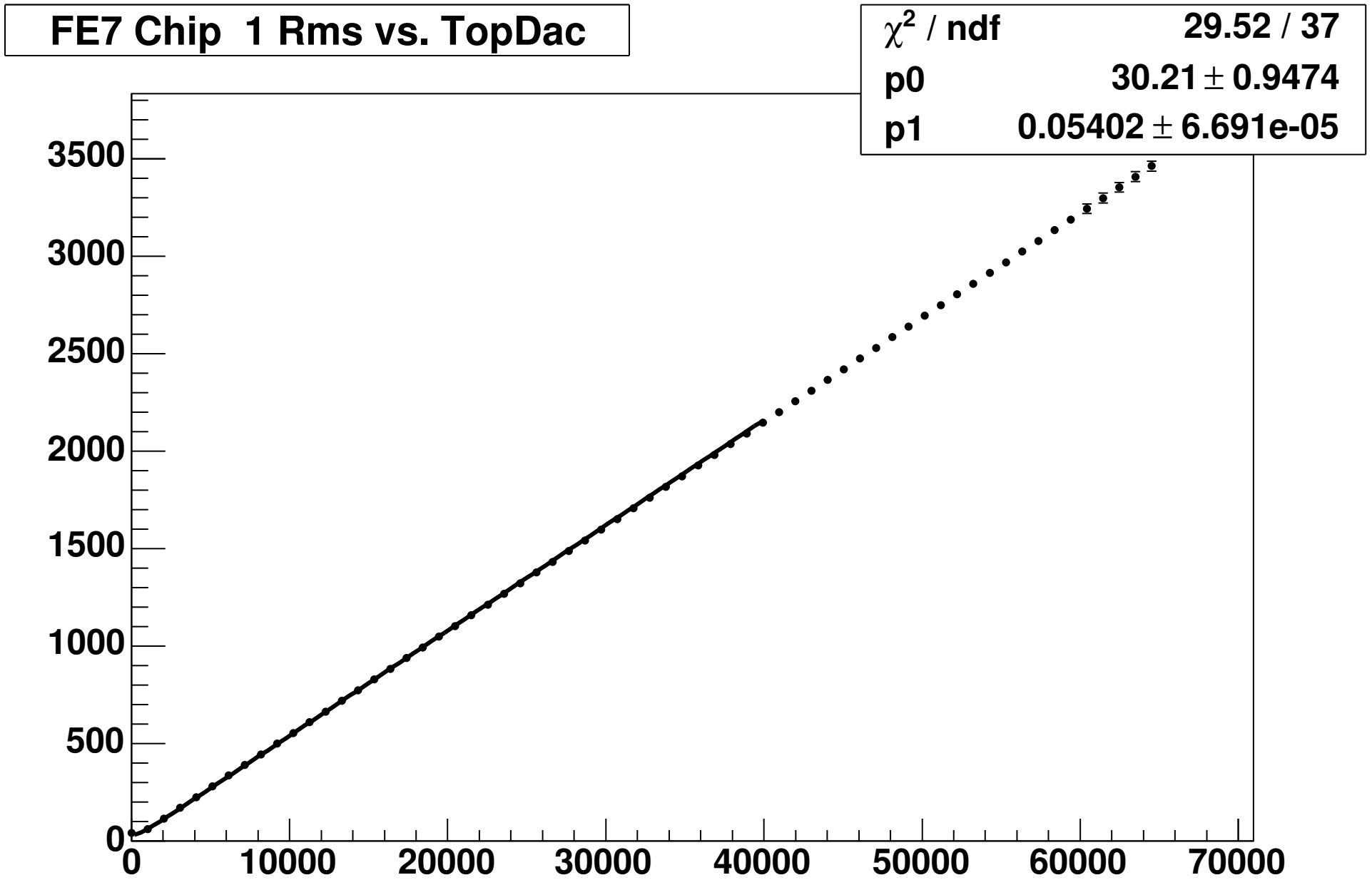

FE7 Chip 0 Mean vs. TopDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

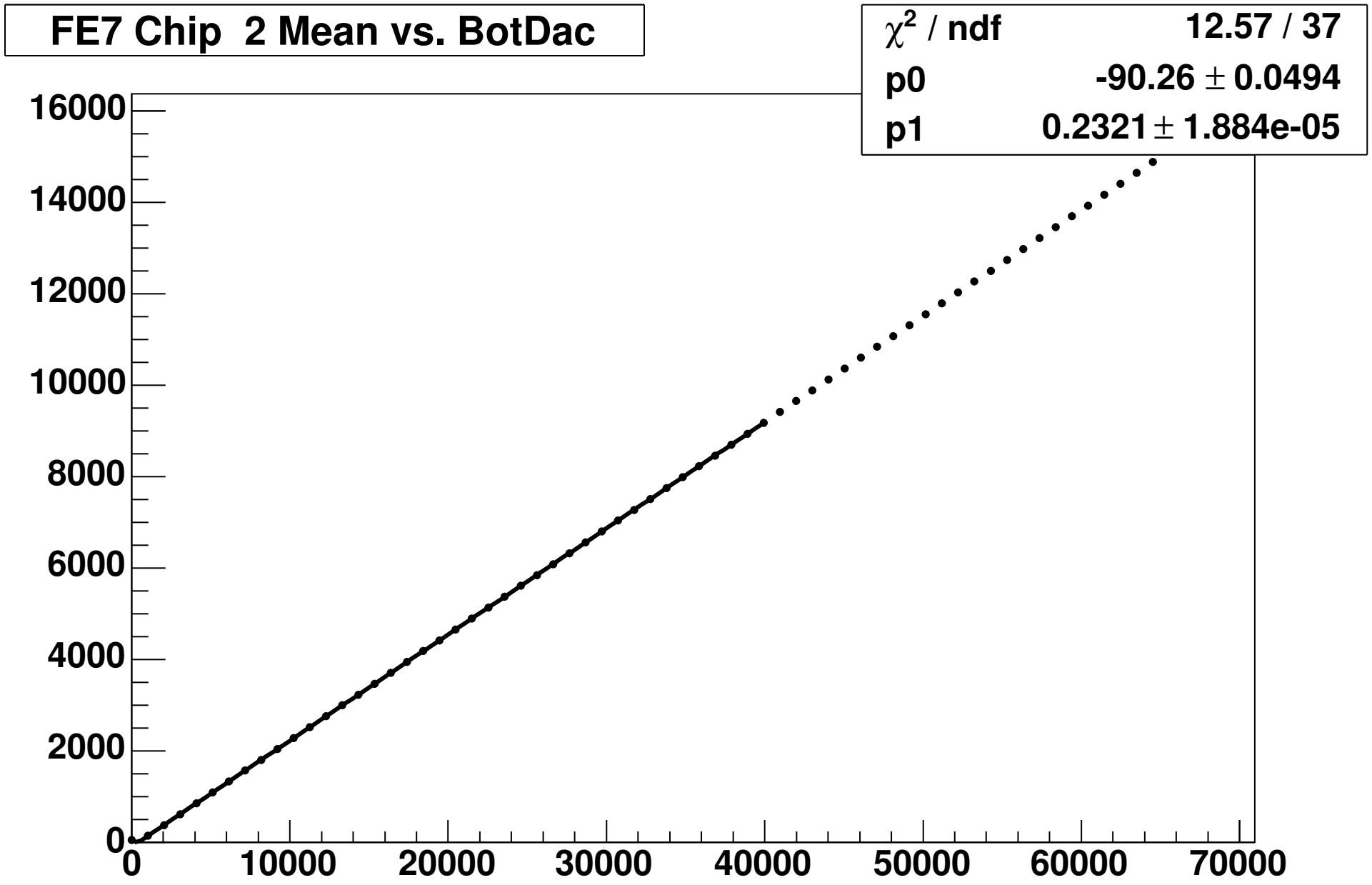

FE7 Chip 0 Rms vs. TopDac
χ^2 / ndf 1.09e-29 / 37
p0 -5.255e-20 ± 1.601e-05
p1 -2.444e-25 ± 6.814e-10
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

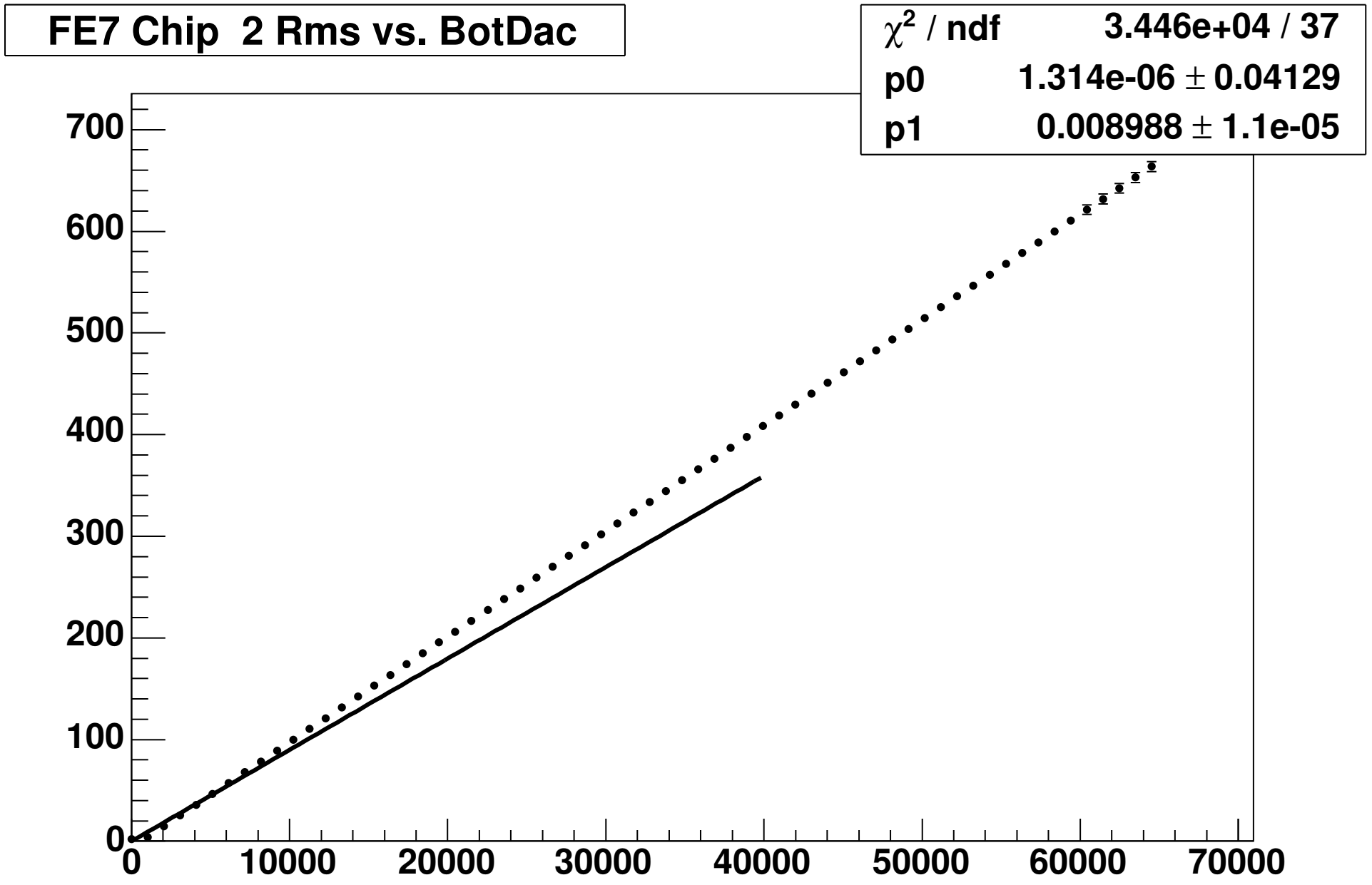

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 0.4726 / 37
p0 180 ± 0.2329
p1 0.0004284 ± 2.331e-05
215
210
205
200
195
190
185
180
0
10000
20000
30000
40000
50000
60000
70000

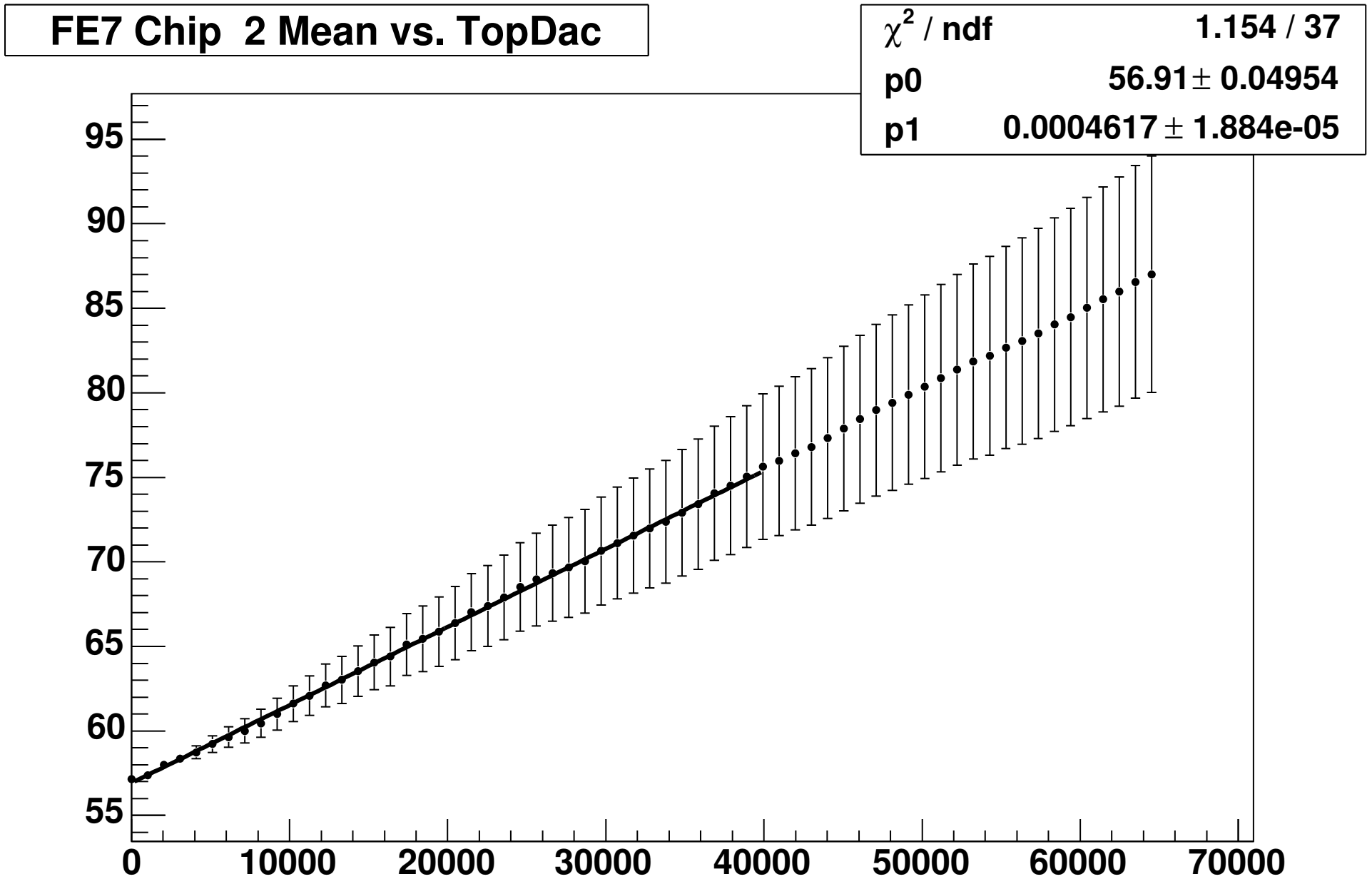

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1327 / 37
p0 35.34 ± 0.1814
p1 0.009217 ± 1.293e-05
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

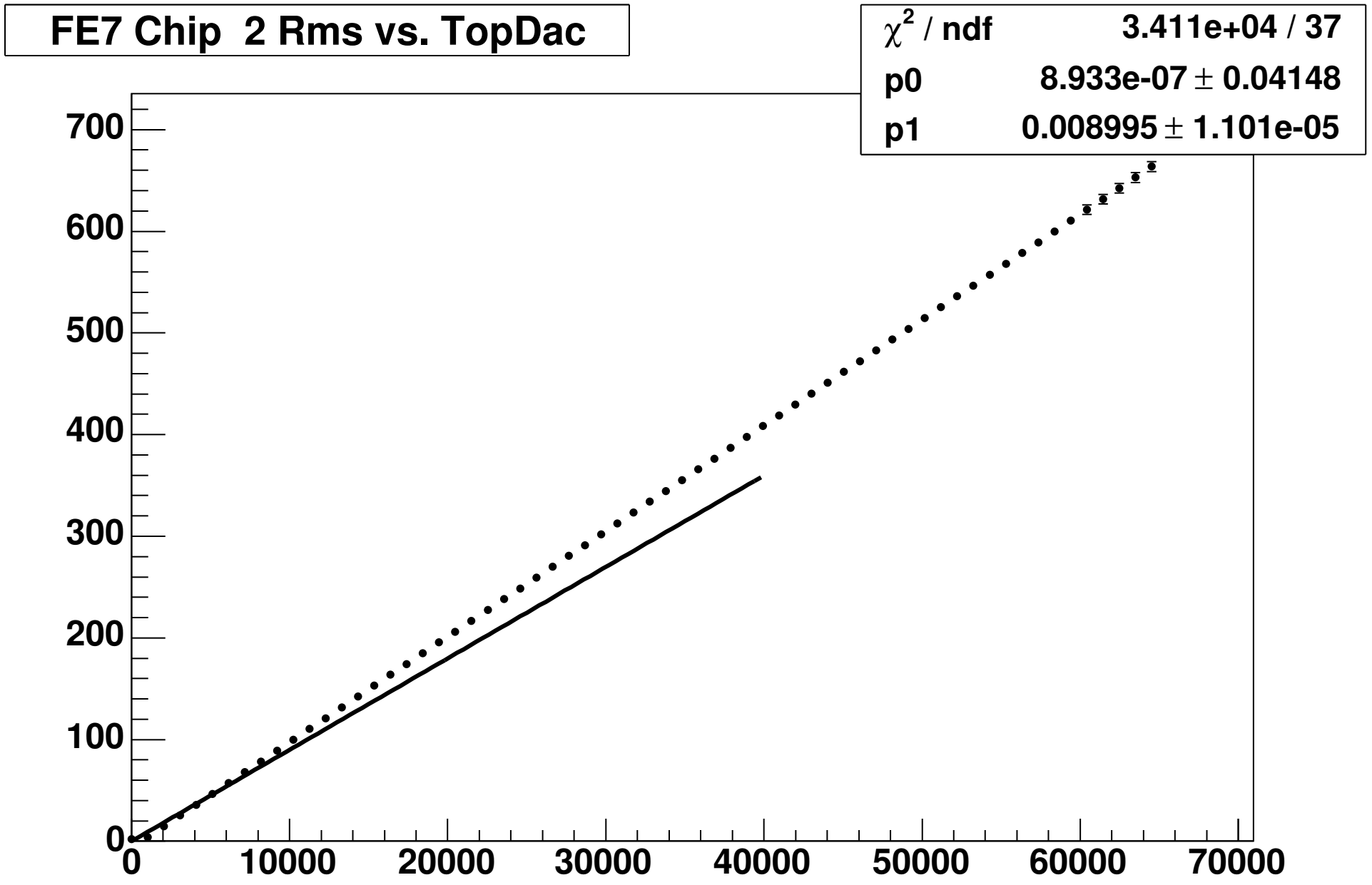

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 0.2762 / 37
p0 41.36 ± 0.5938
p1 0.217 ± 0.0001091
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

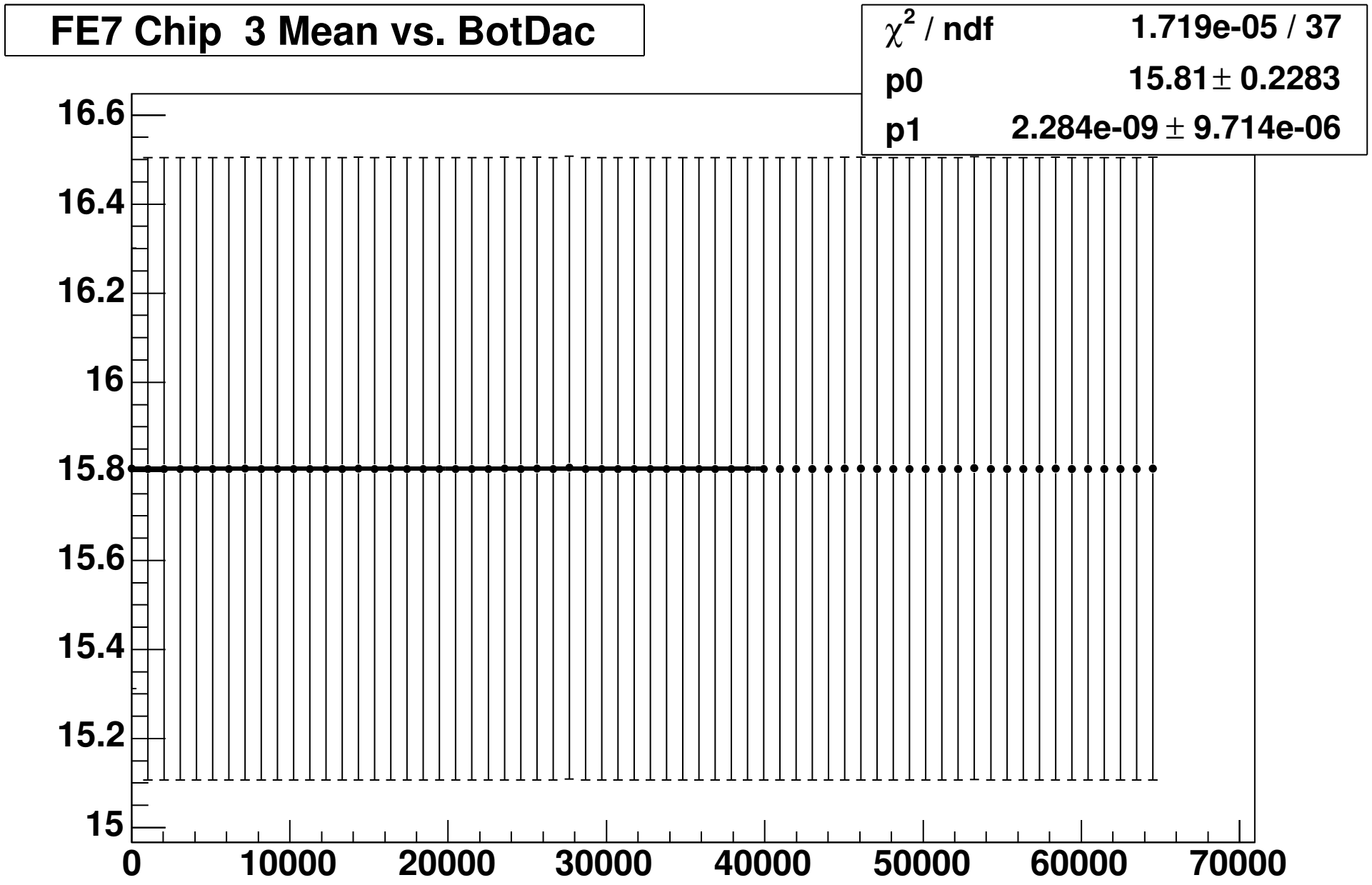

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 29.52 / 37
p0 30.21 ± 0.9474
p1 0.05402 ± 6.691e-05
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

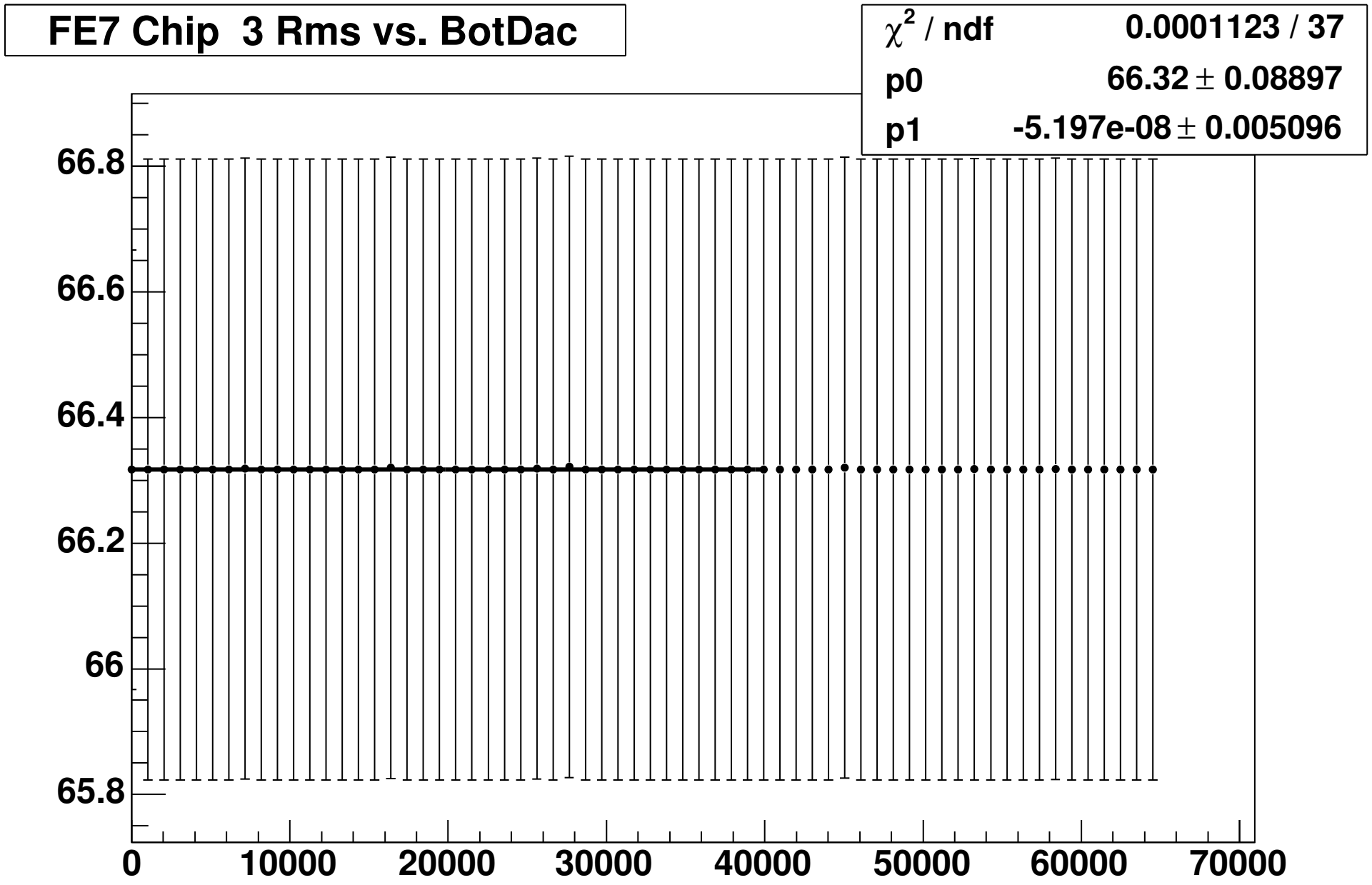

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 12.57 / 37
p0 -90.26 ± 0.0494
p1 0.2321 ± 1.884e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

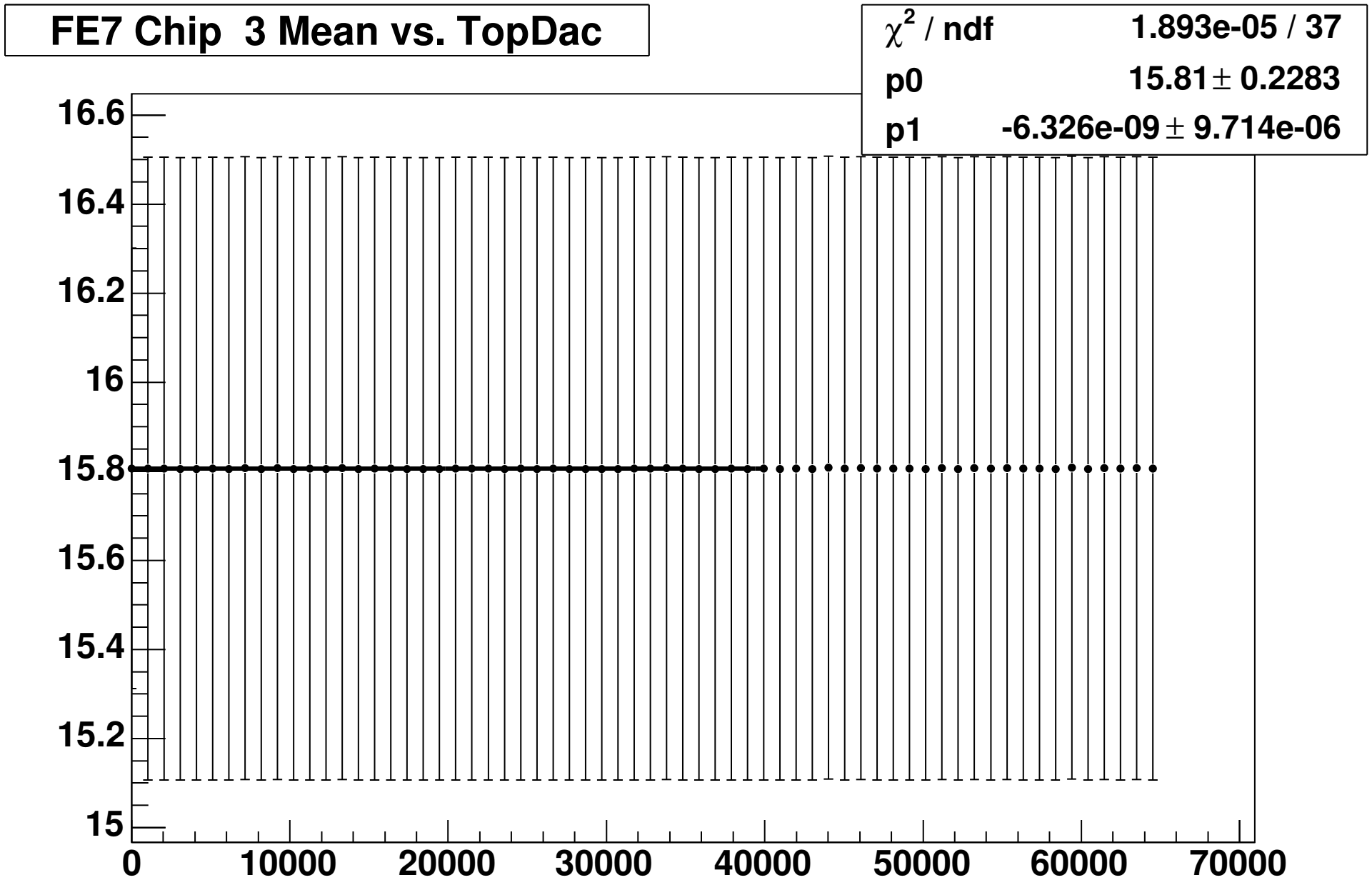

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 3.446e+04 / 37
p0 1.314e-06 ± 0.04129
p1 0.008988 ± 1.1e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 1.154 / 37
p0 56.91 ± 0.04954
p1 0.0004617 ± 1.884e-05
95
90
85
80
75
70
65
60
55
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 3.411e+04 / 37
p0 8.933e-07 ± 0.04148
p1 0.008995 ± 1.101e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.719e-05 / 37
p0 15.81 ± 0.2283
p1 2.284e-09 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 0.0001123 / 37
p0 66.32 ± 0.08897
p1 -5.197e-08 ± 0.005096
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 1.893e-05 / 37
p0 15.81 ± 0.2283
p1 -6.326e-09 ± 9.714e-06
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
0
10000
20000
30000
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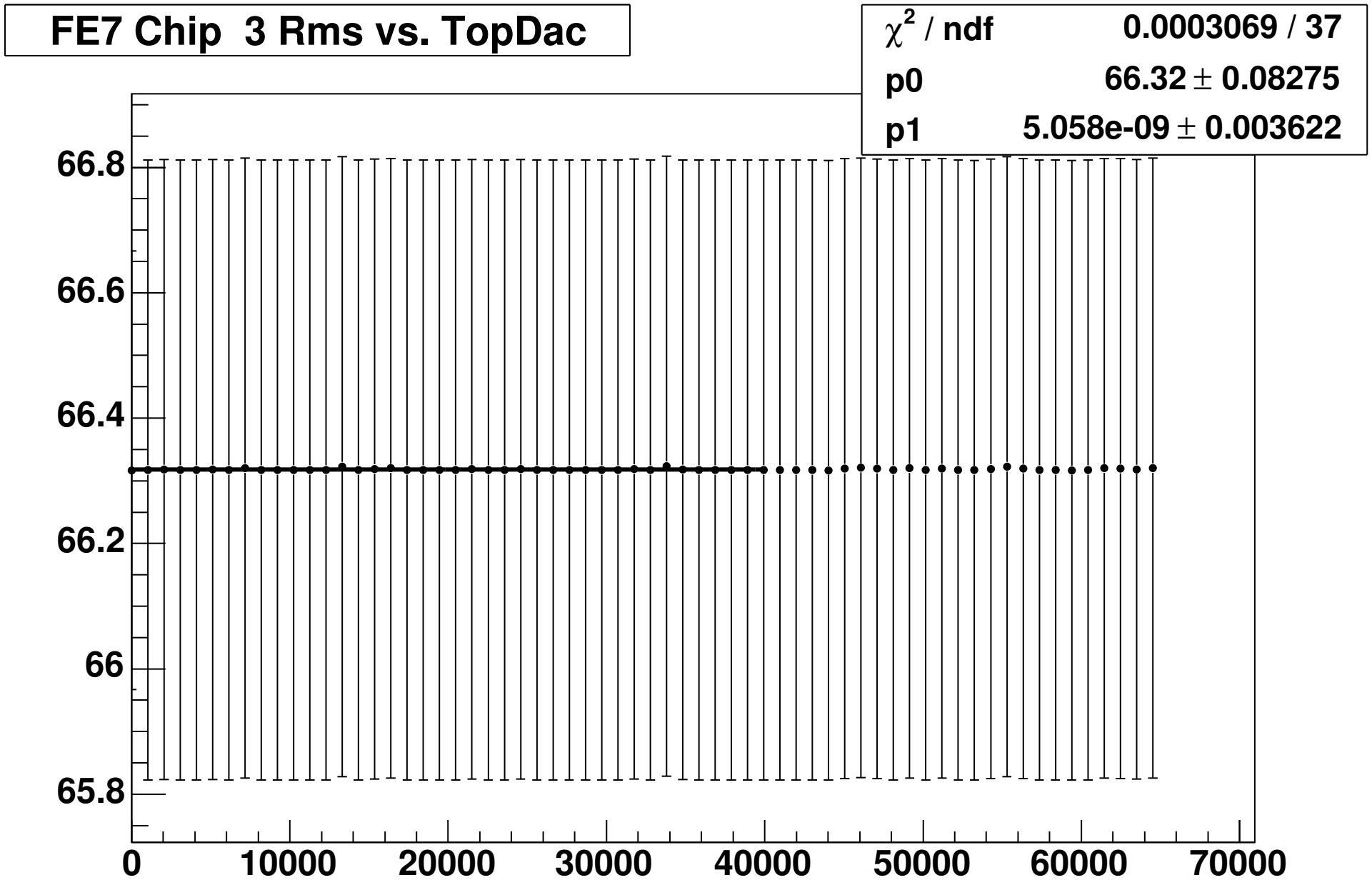
FE7 Chip 3 Rms vs. TopDac
χ² / ndf 0.0003069 / 37
p0 66.32 ± 0.08275
p1 5.058e-09 ± 0.003622
66.8
66.6
66.4
66.2
66
65.8
0
10000
20000
30000
40000
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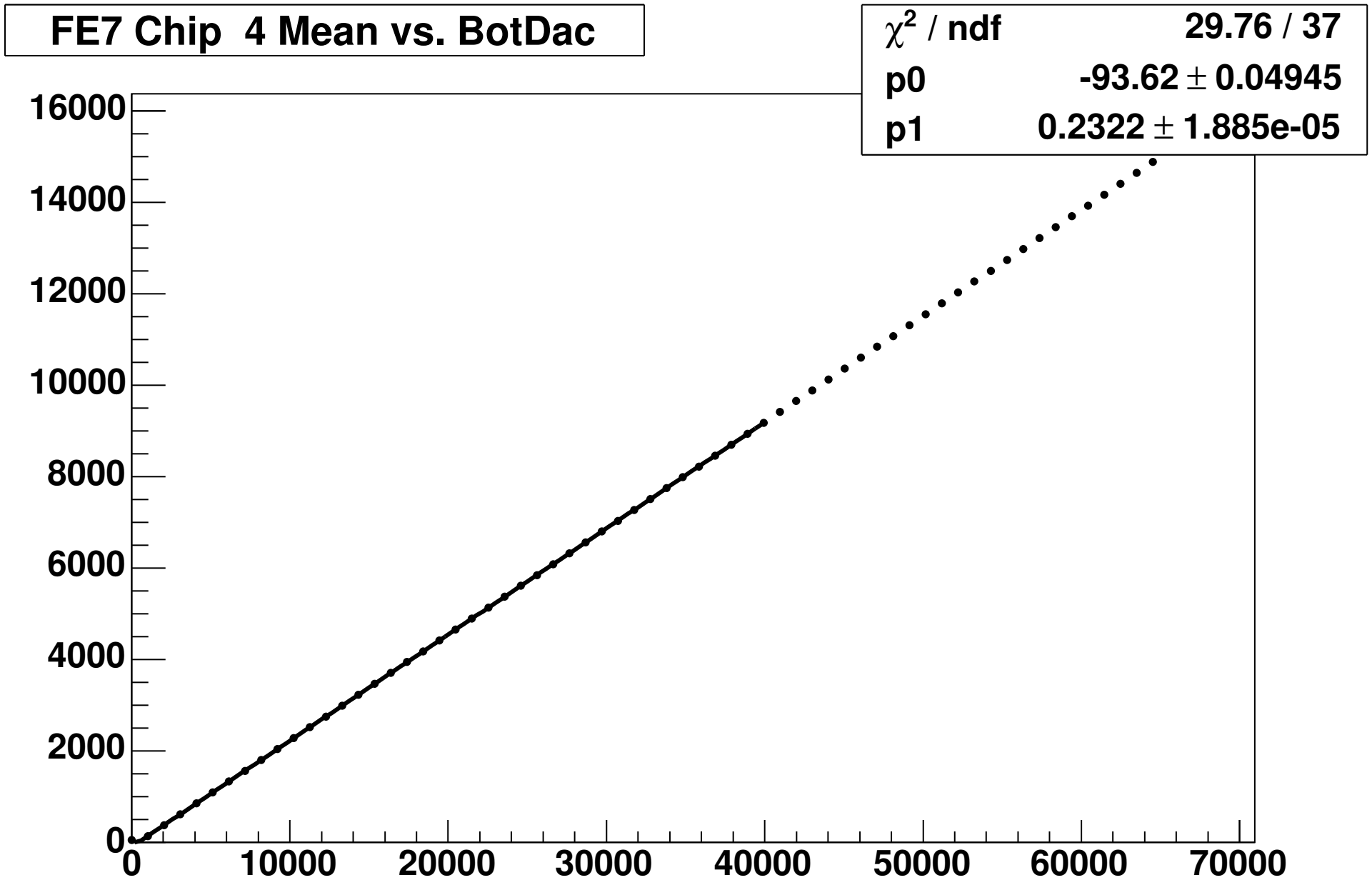
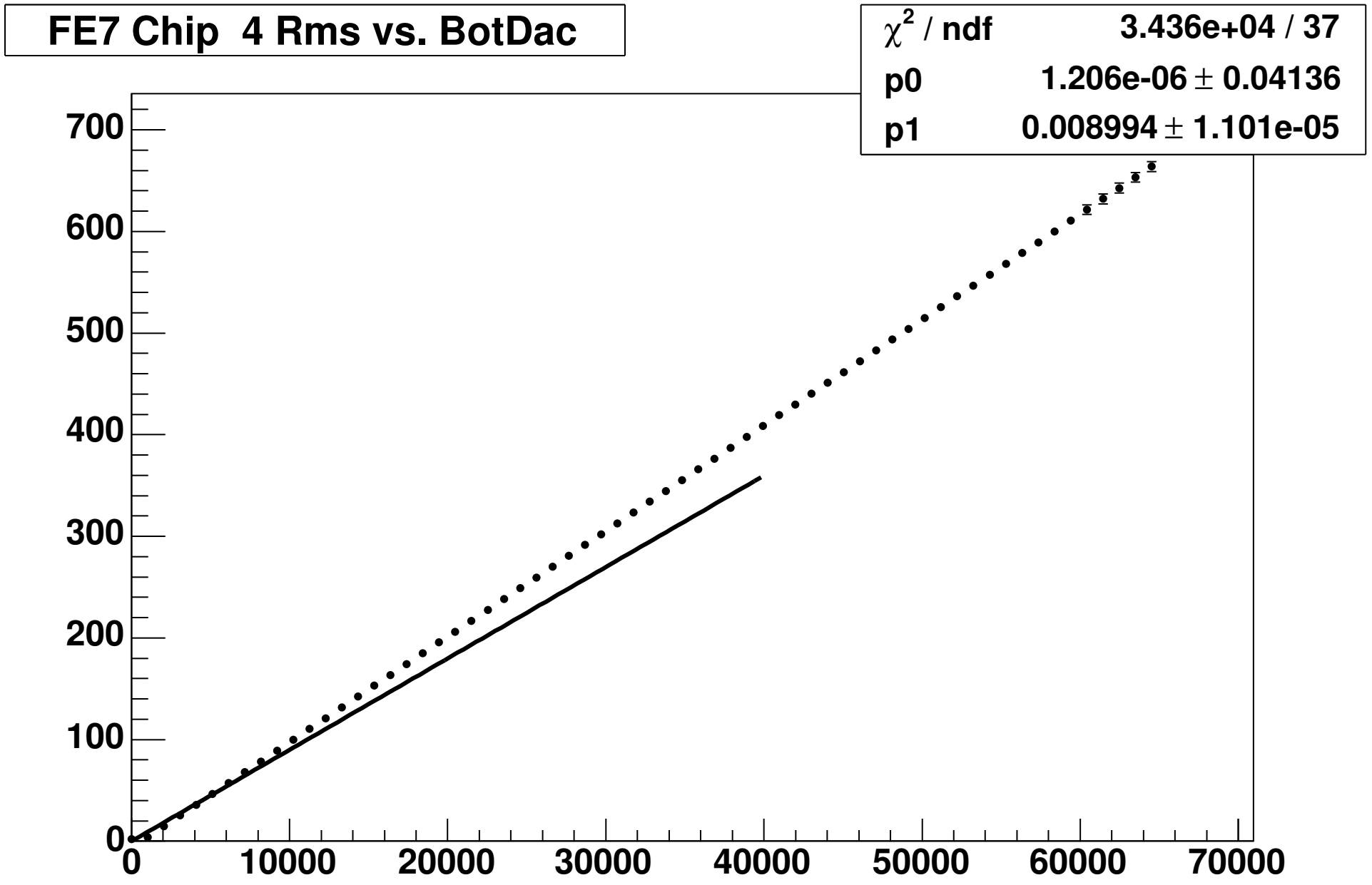
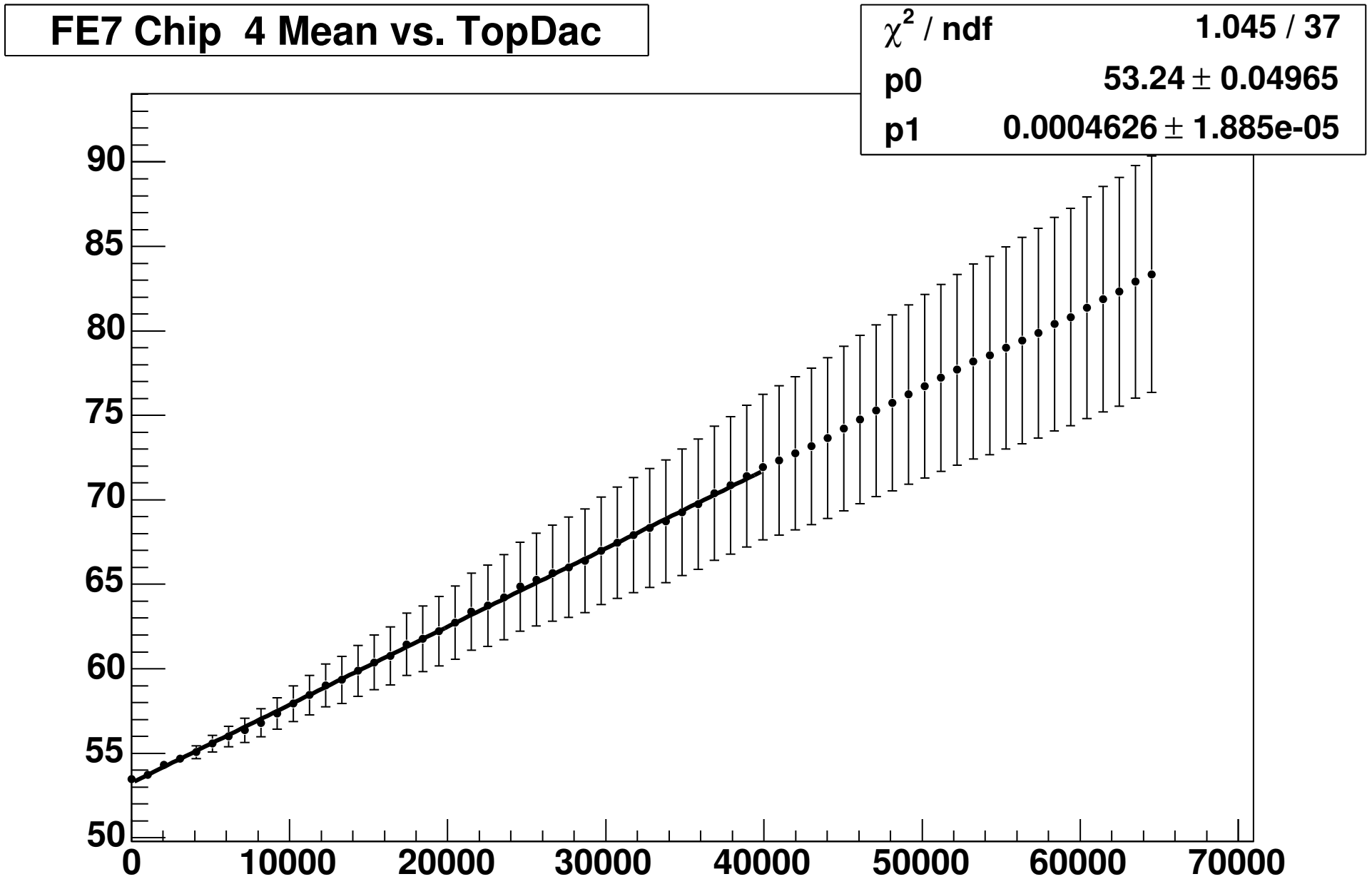
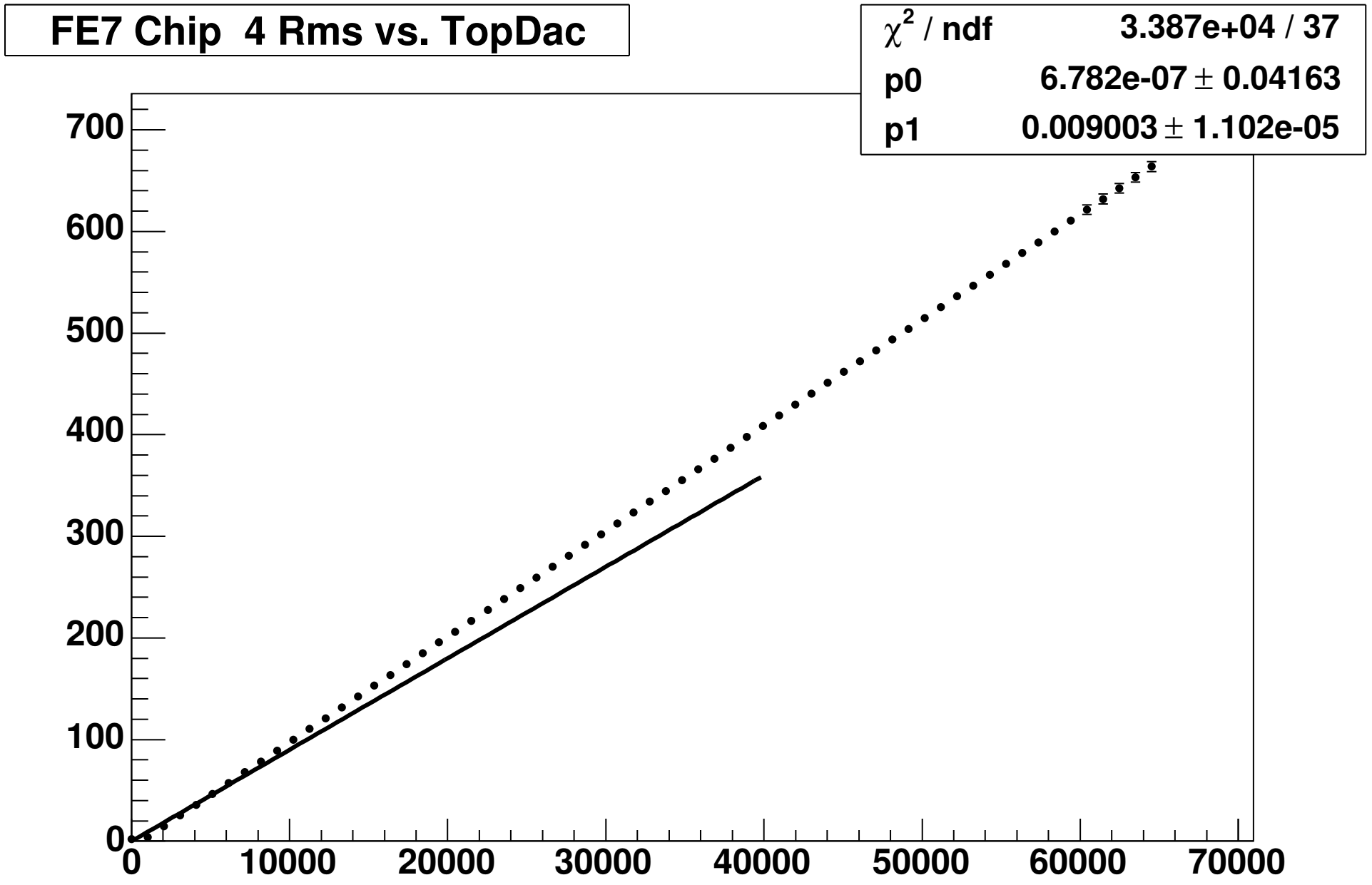
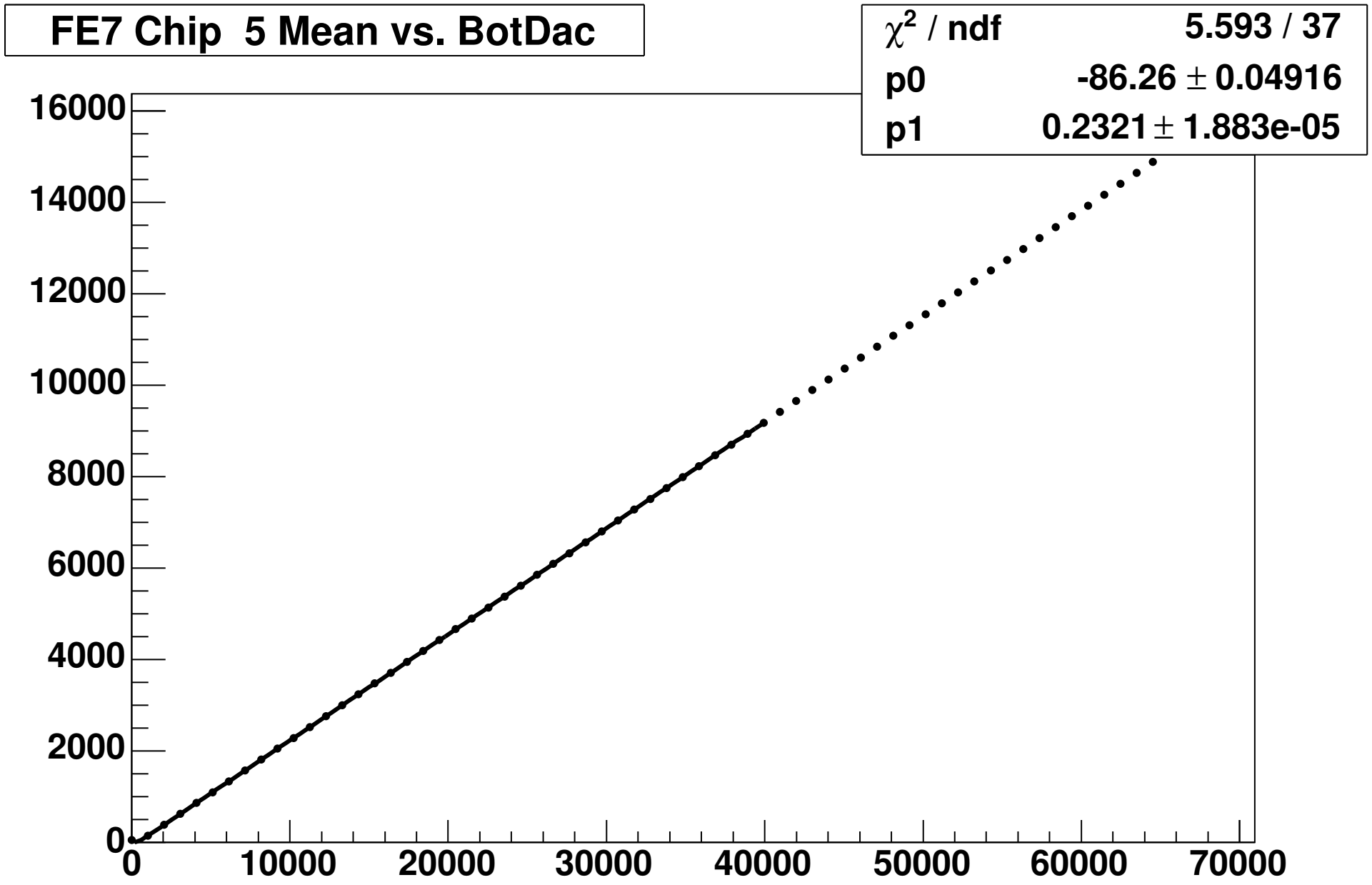
60000
70000

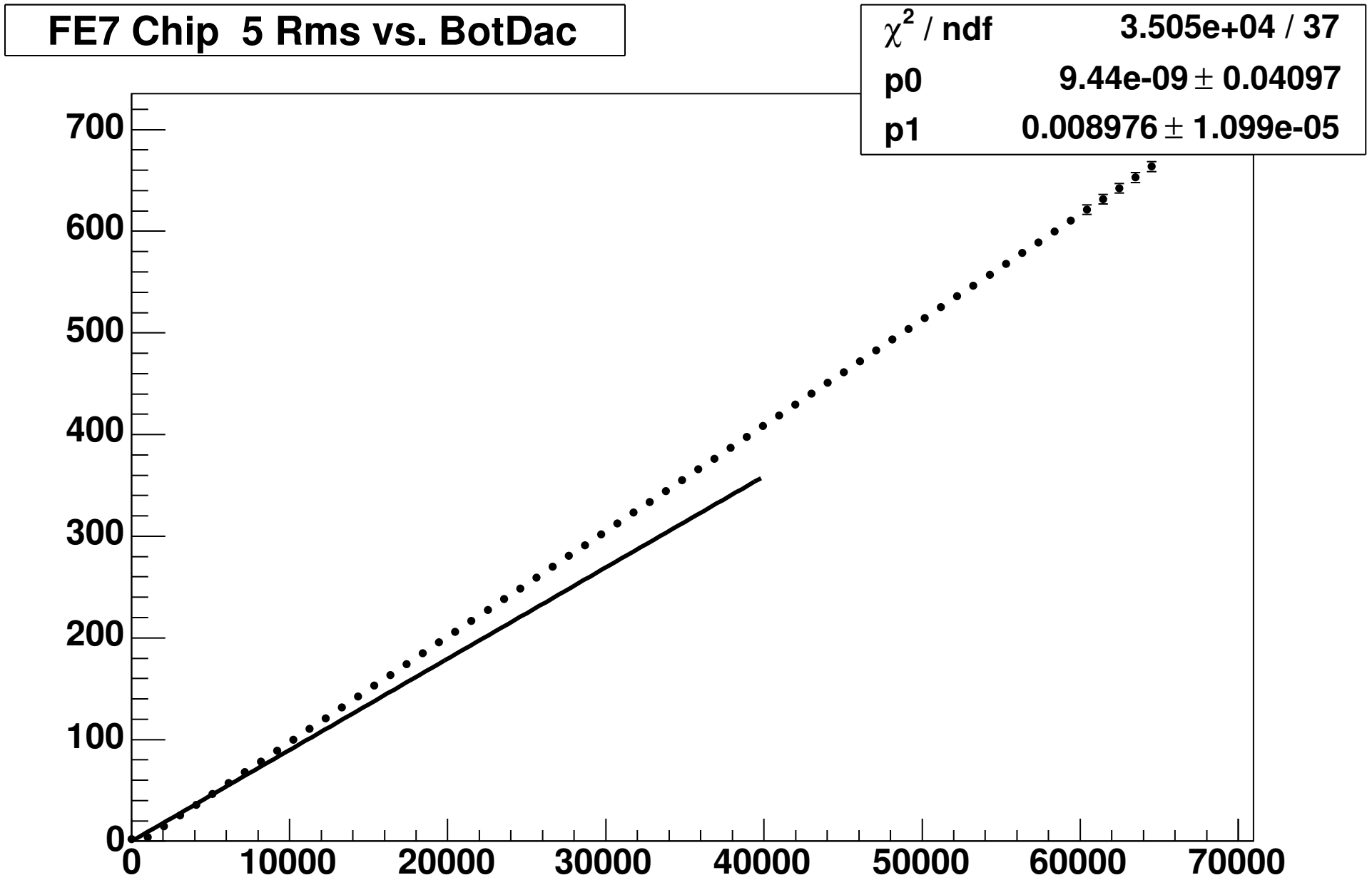

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 29.76 / 37
p0 -93.62 ± 0.04945
p1 0.2322 ± 1.885e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

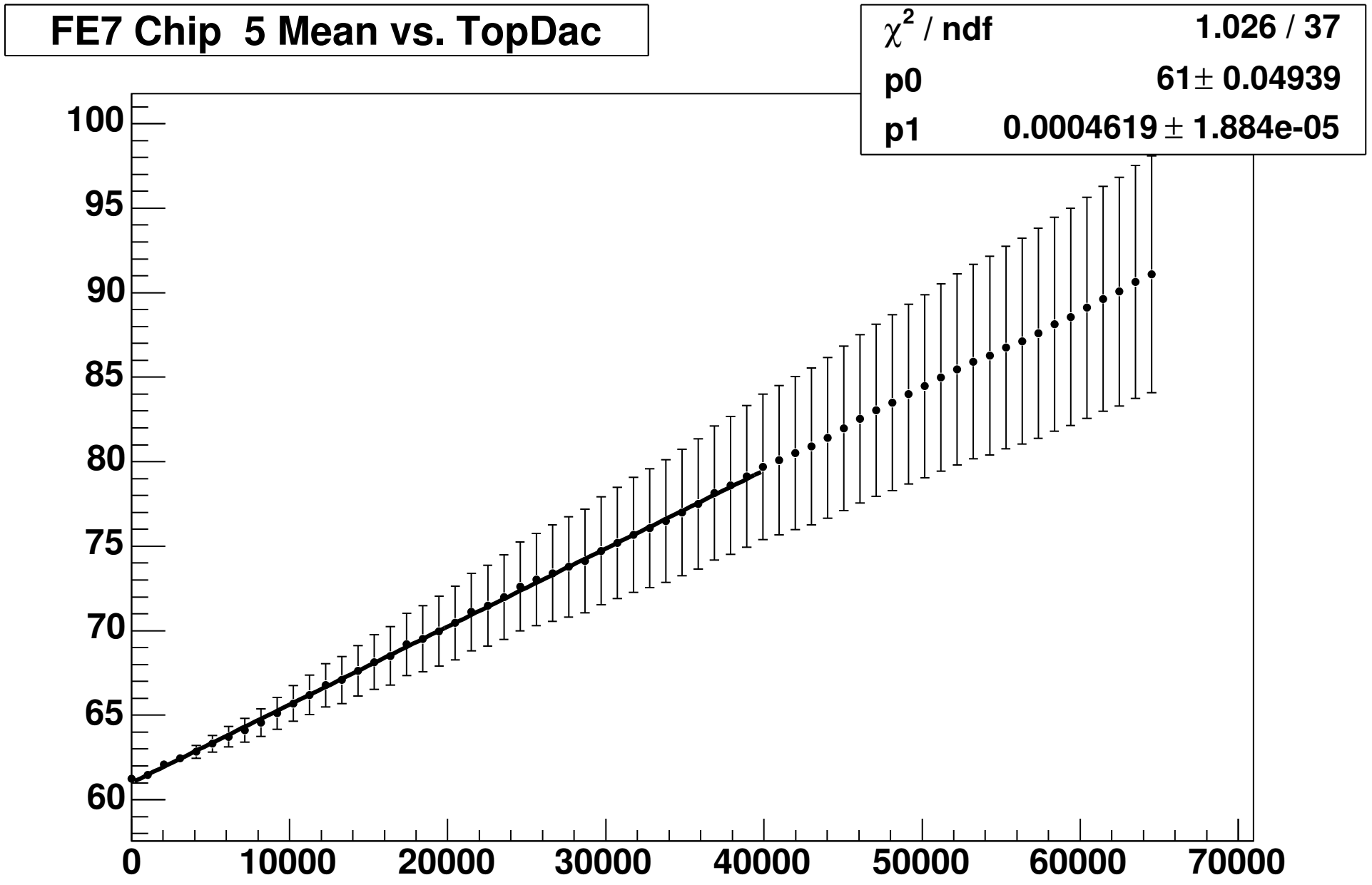

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 3.436e+04 / 37
p0 1.206e-06 ± 0.04136
p1 0.008994 ± 1.101e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

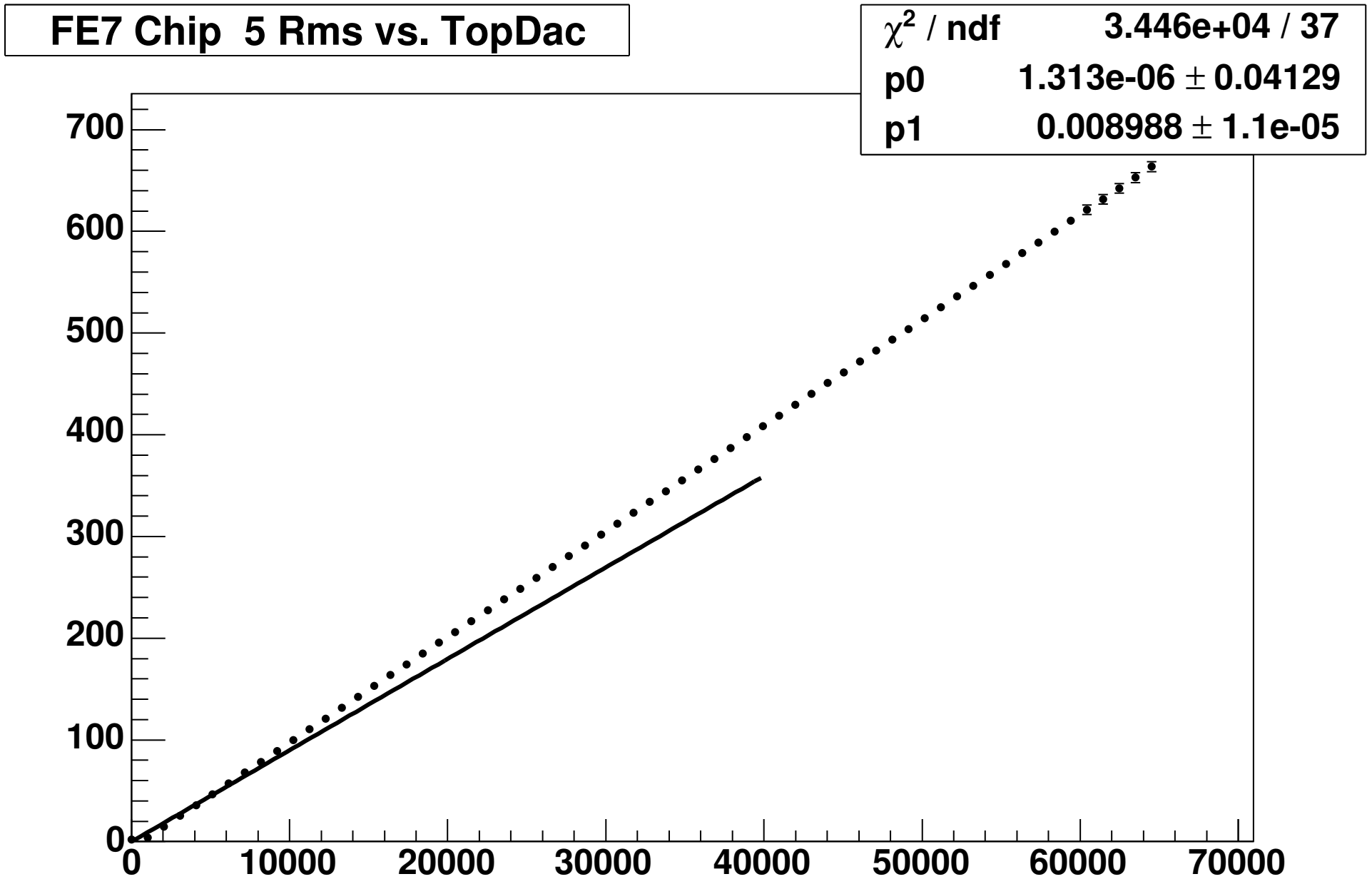

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 1.045 / 37
p0 53.24 ± 0.04965
p1 0.0004626 ± 1.885e-05
90
85
80
75
70
65
60
55
50
0
10000
20000
30000
40000
50000
60000
70000

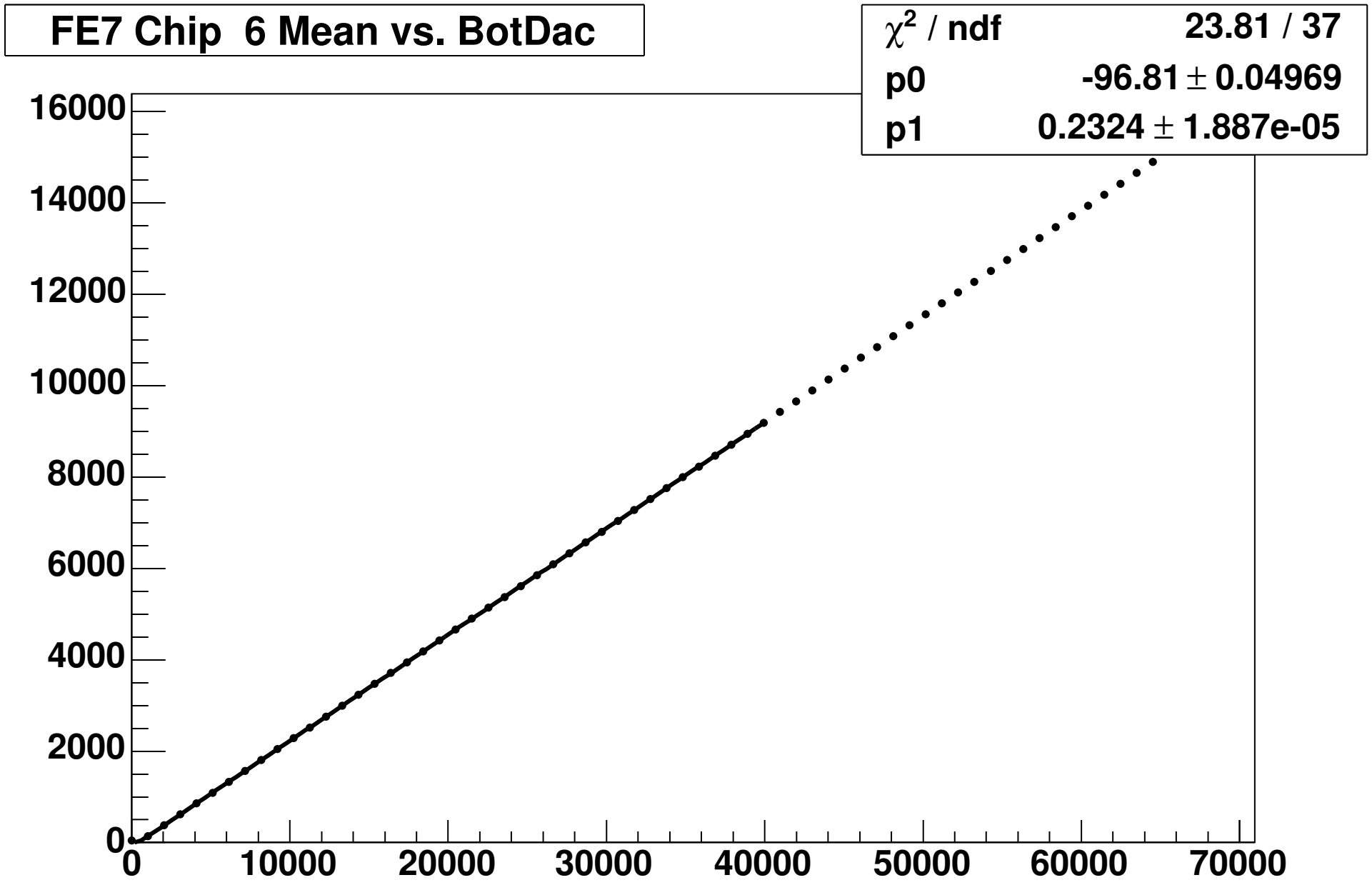

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 3.387e+04 / 37
p0 6.782e-07 ± 0.04163
p1 0.009003 ± 1.102e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

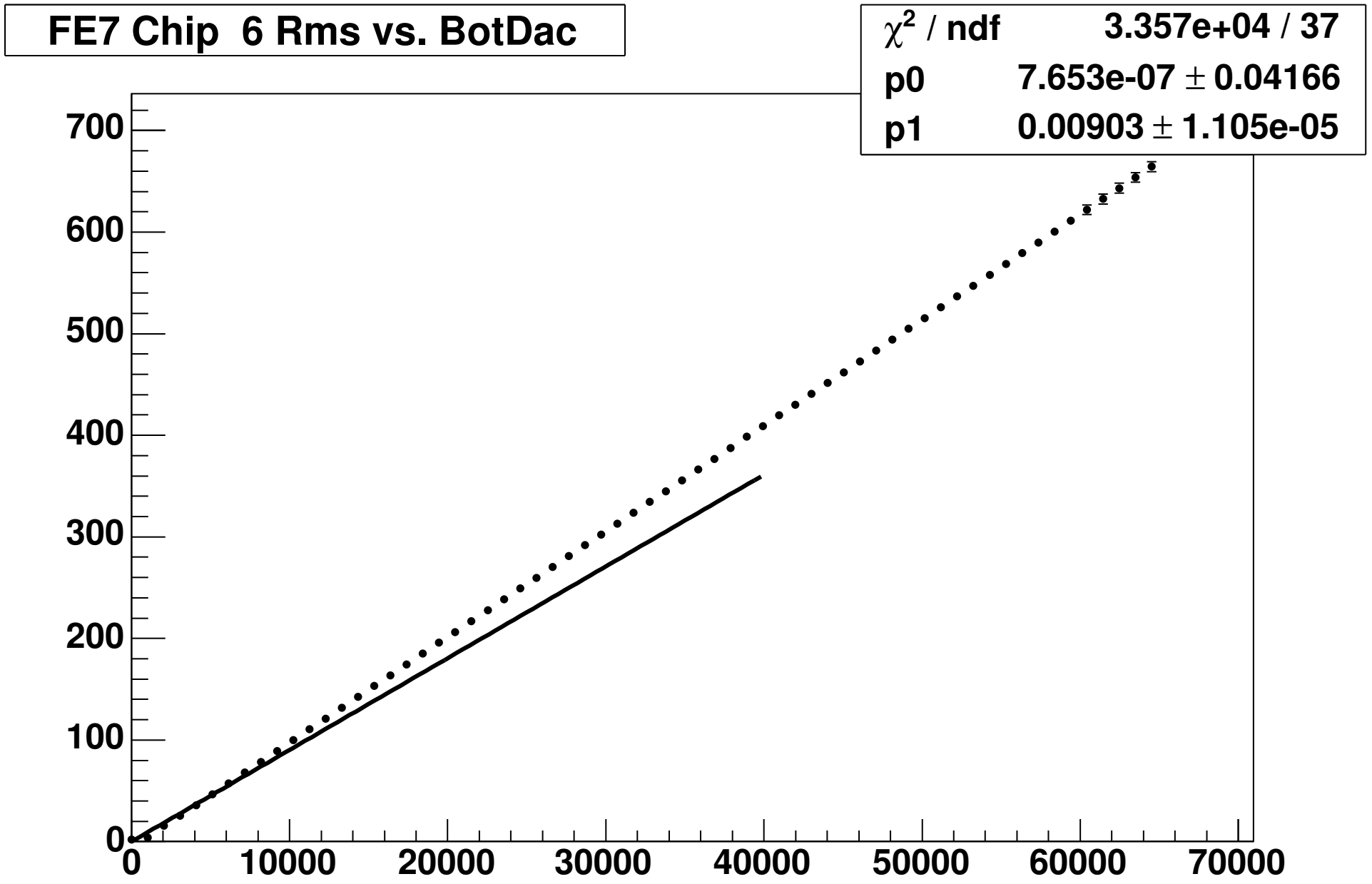

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 5.593 / 37
p0 -86.26 ± 0.04916
p1 0.2321 ± 1.883e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

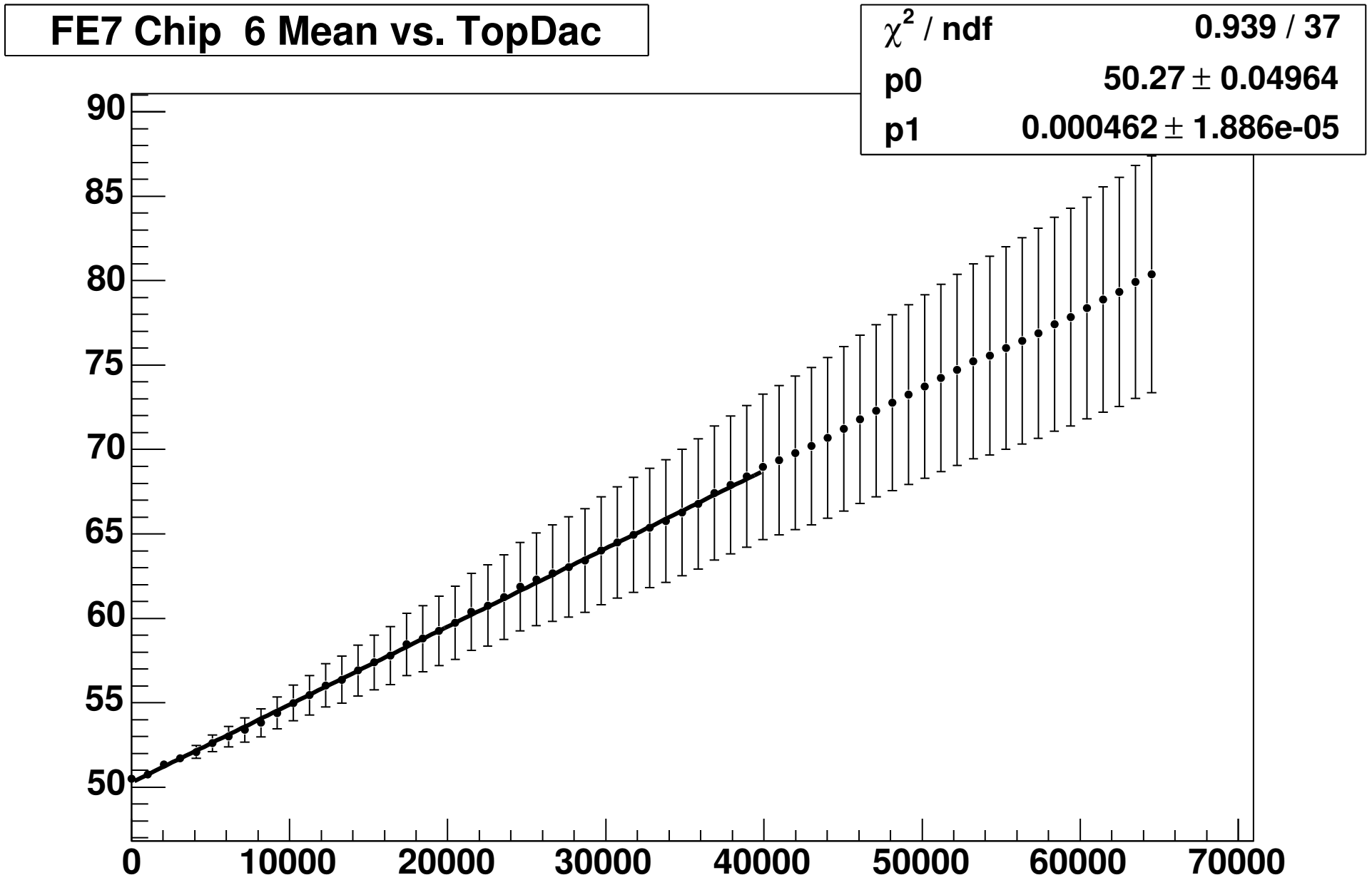

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 3.505e+04 / 37
p0 9.44e-09 ± 0.04097
p1 0.008976 ± 1.099e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

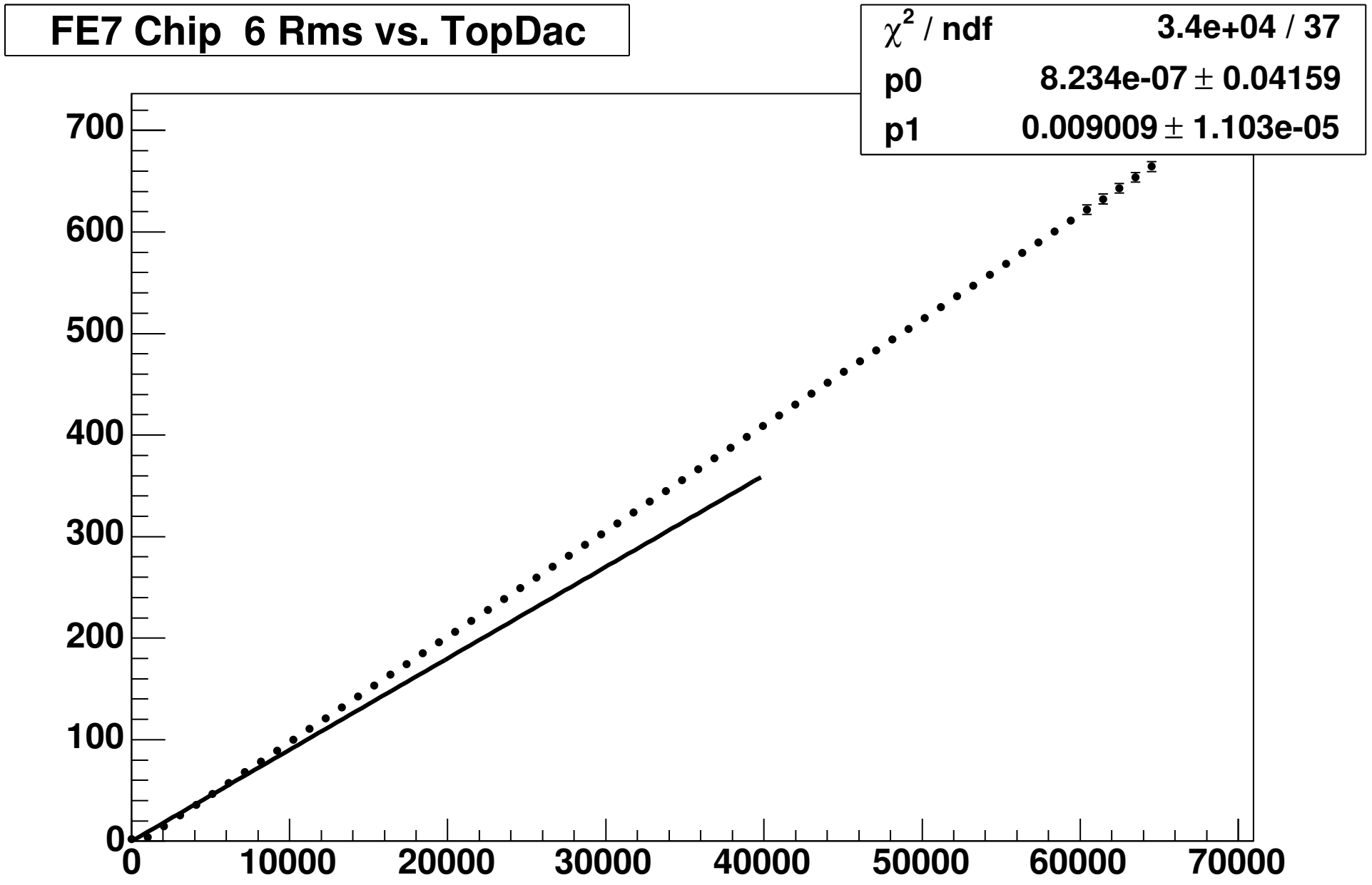

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 1.026 / 37
p0 61 ± 0.04939
p1 0.0004619 ± 1.884e-05
100
95
90
85
80
75
70
65
60
0
10000
20000
30000
40000
50000
60000
70000

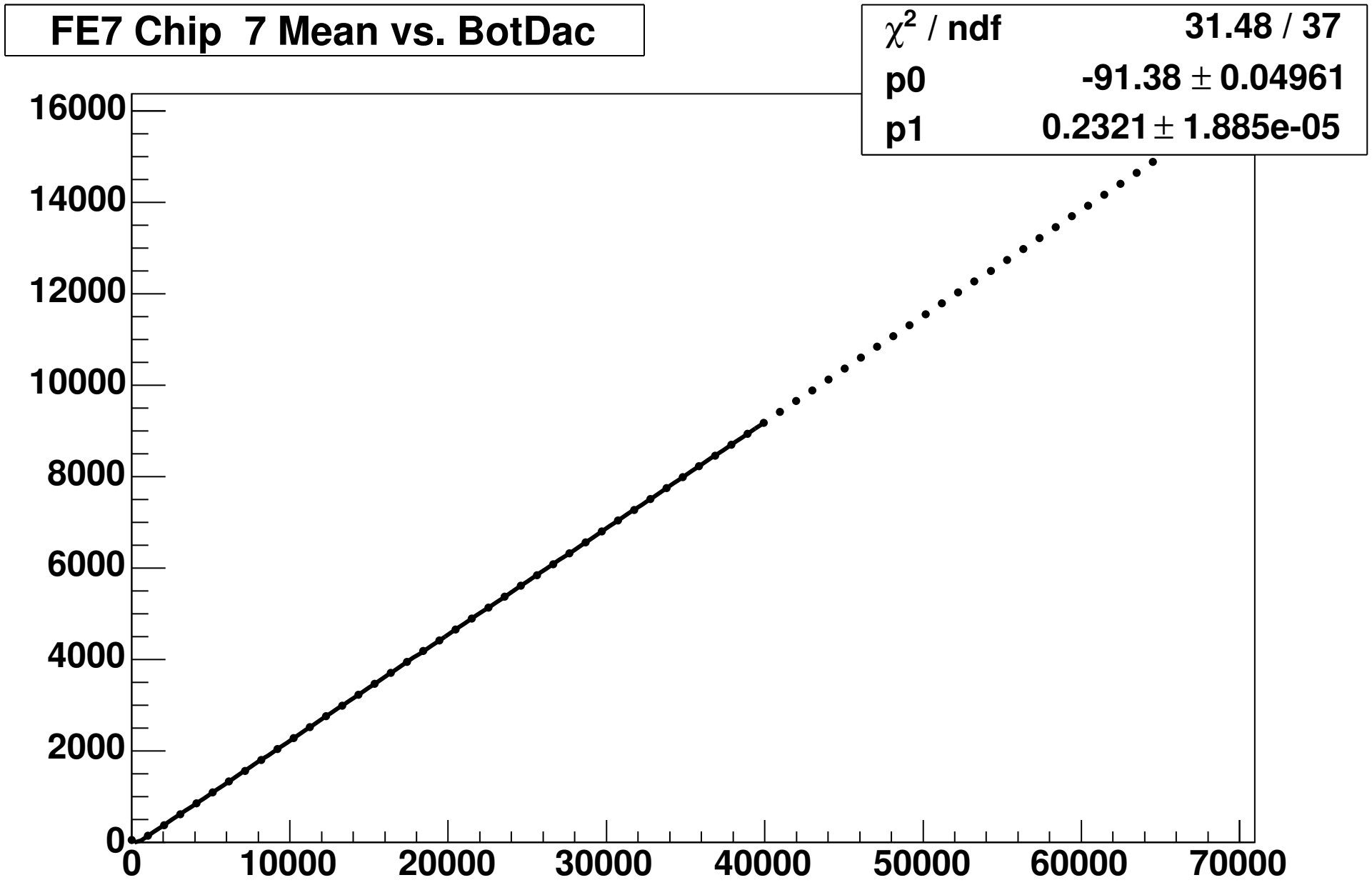

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 3.446e+04 / 37
p0 1.313e-06 ± 0.04129
p1 0.008988 ± 1.1e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

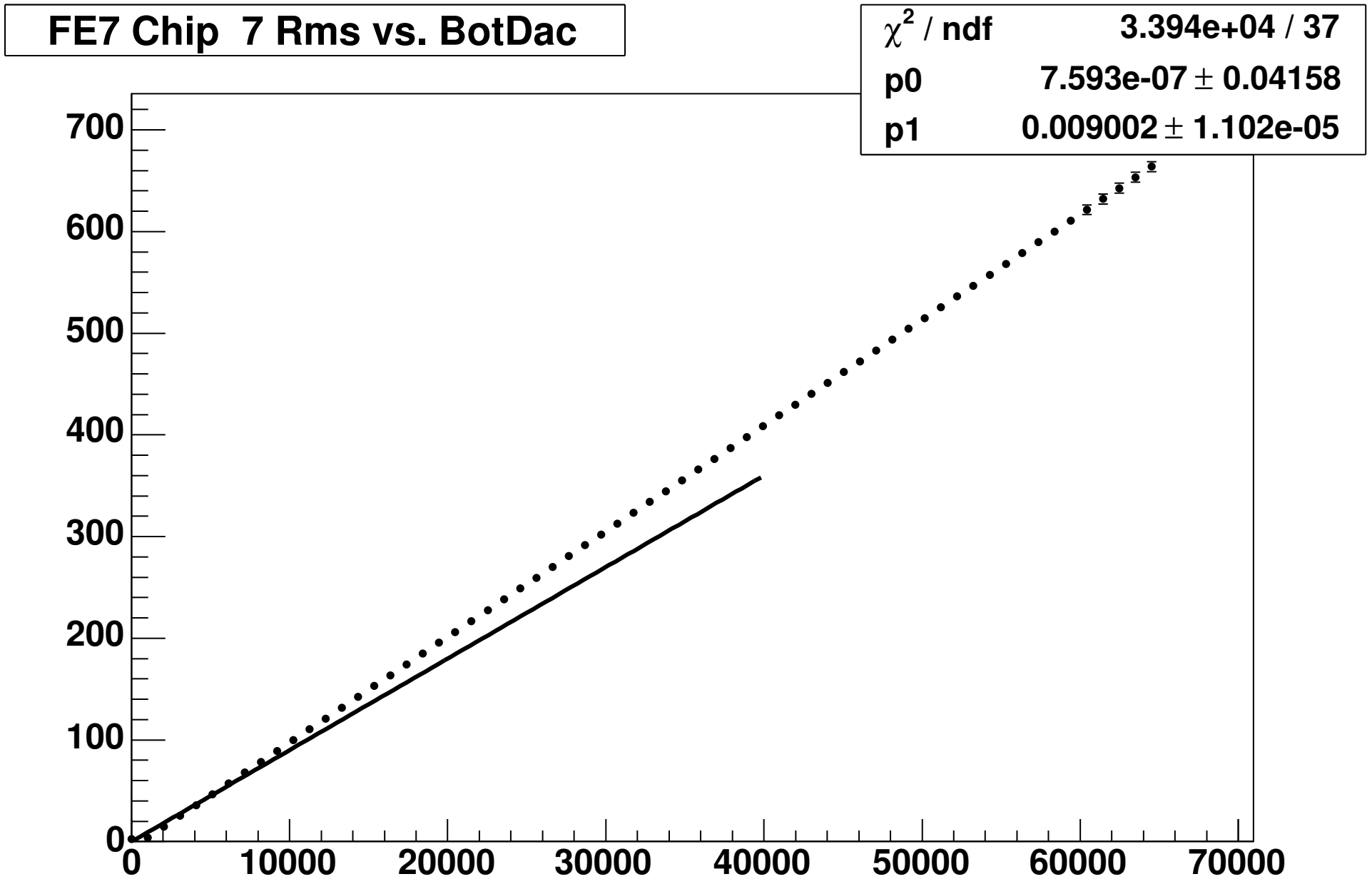

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 23.81 / 37
p0 -96.81 ± 0.04969
p1 0.2324 ± 1.887e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

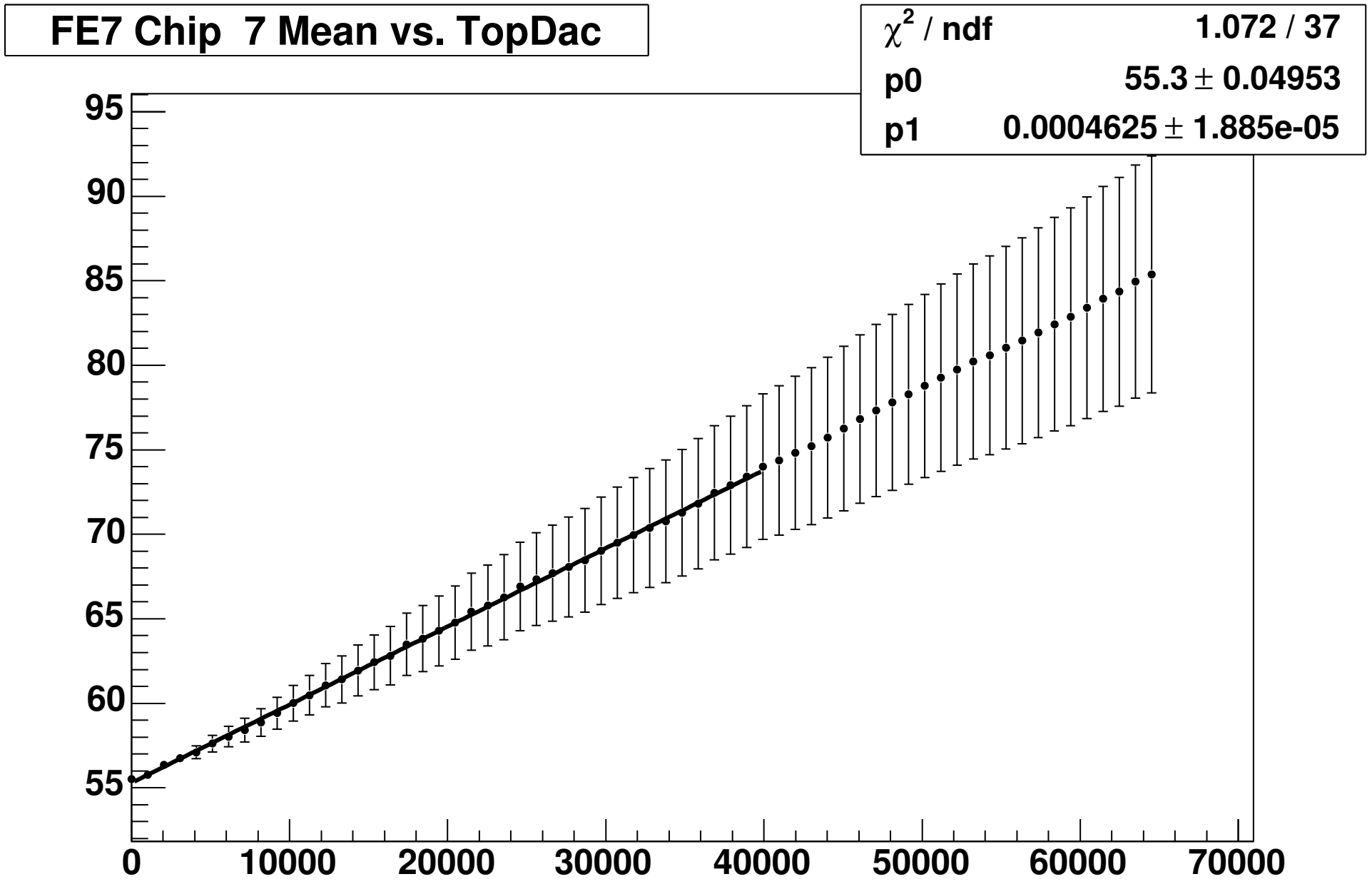

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 3.357e+04 / 37
p0 7.653e-07 ± 0.04166
p1 0.00903 ± 1.105e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

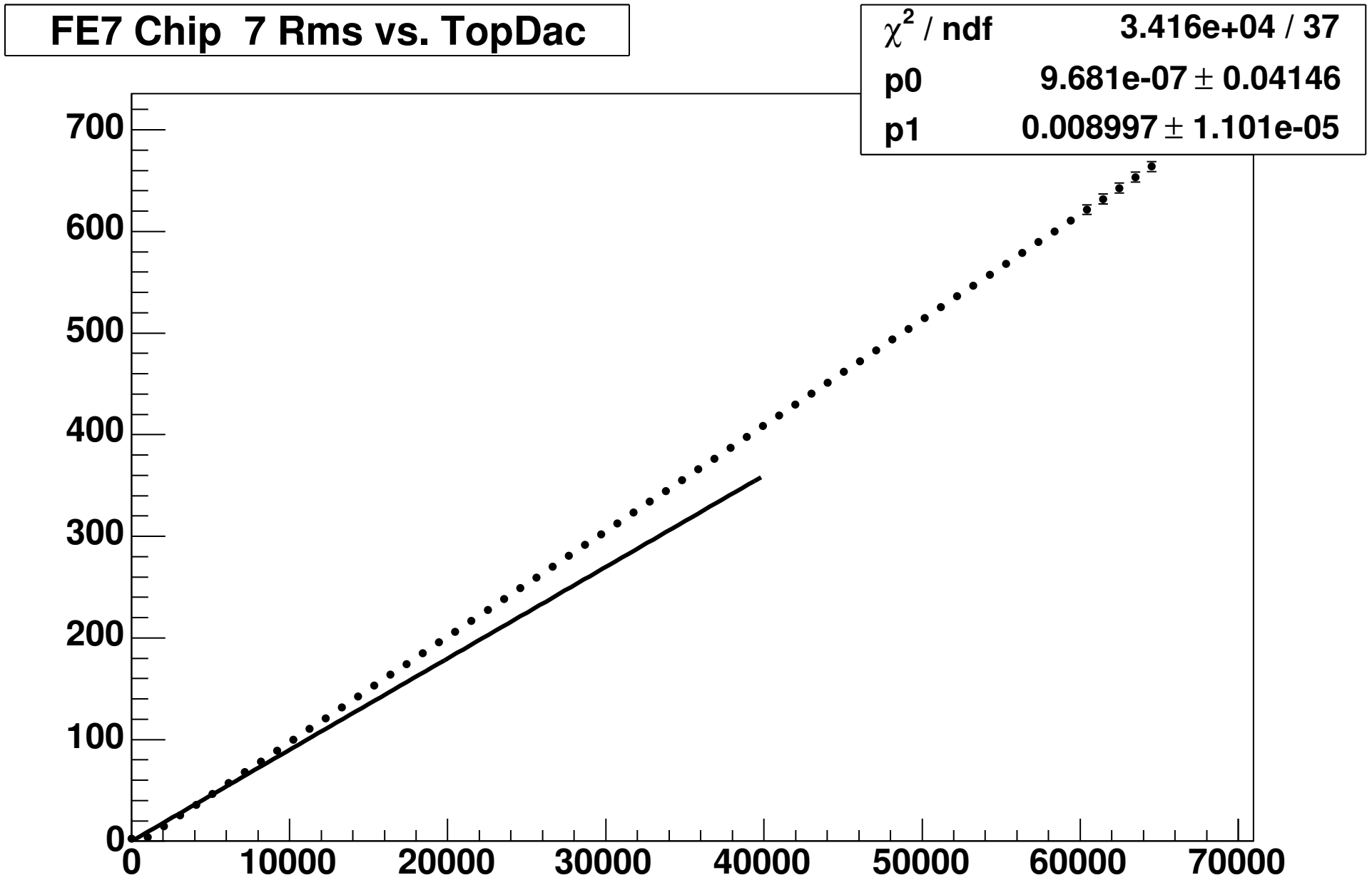

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 0.939 / 37
p0 50.27 ± 0.04964
p1 0.000462 ± 1.886e-05
90
85
80
75
70
65
60
55
50
0
10000
20000
30000
40000
50000
60000
70000

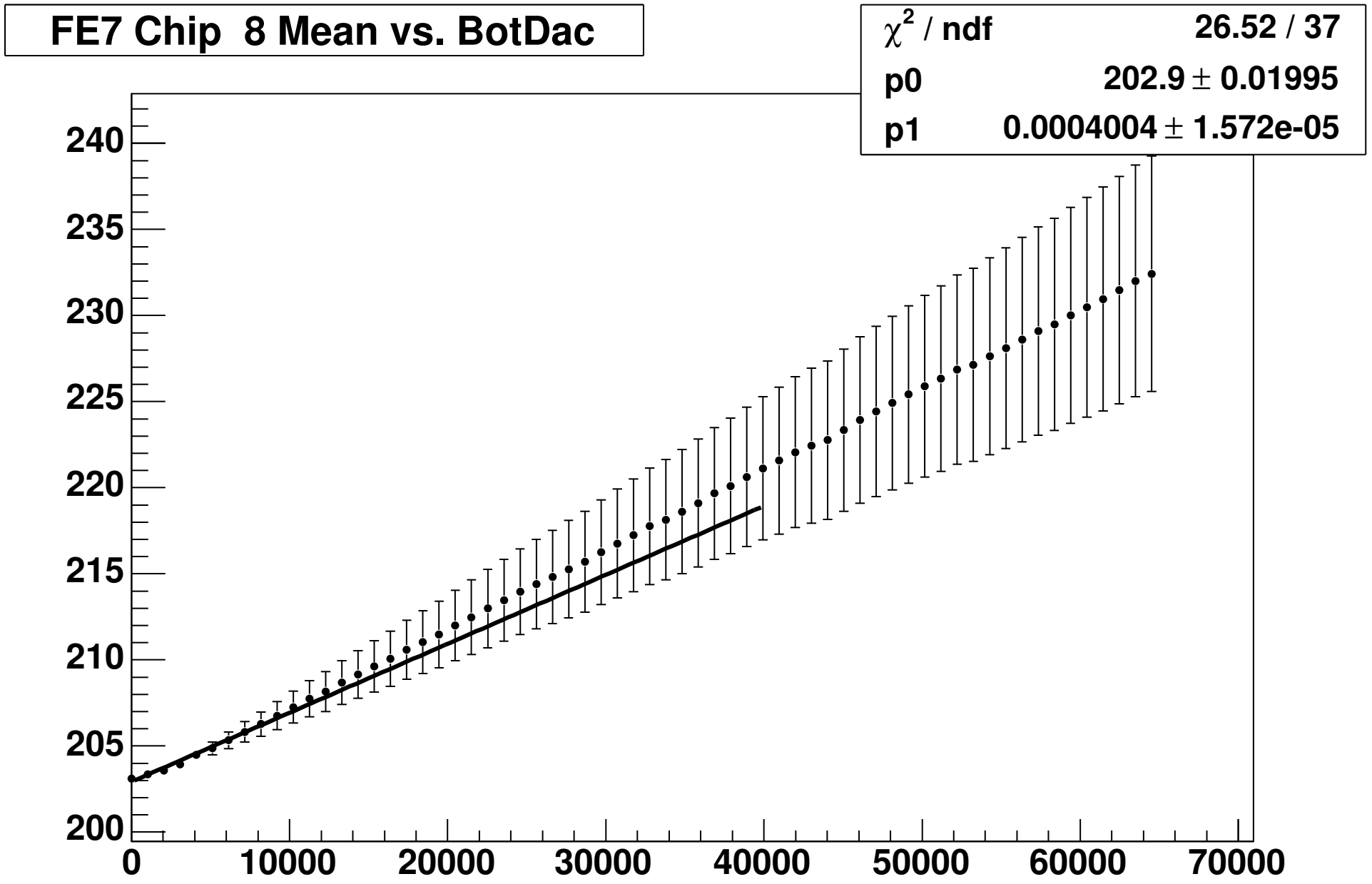

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 3.4e+04 / 37
p0 8.234e-07 ± 0.04159
p1 0.009009 ± 1.103e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

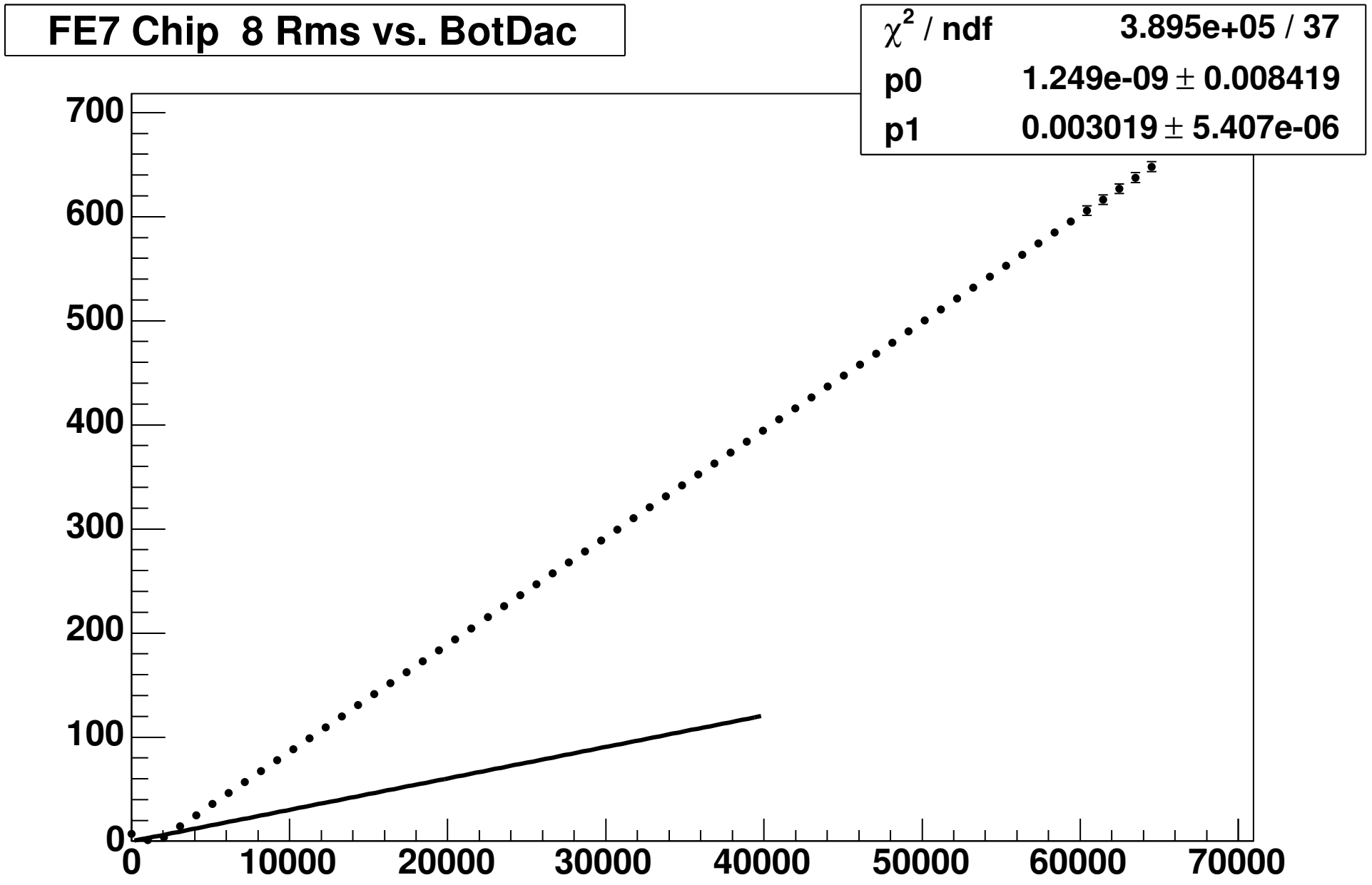

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 31.48 / 37
p0 -91.38 ± 0.04961
p1 0.2321 ± 1.885e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

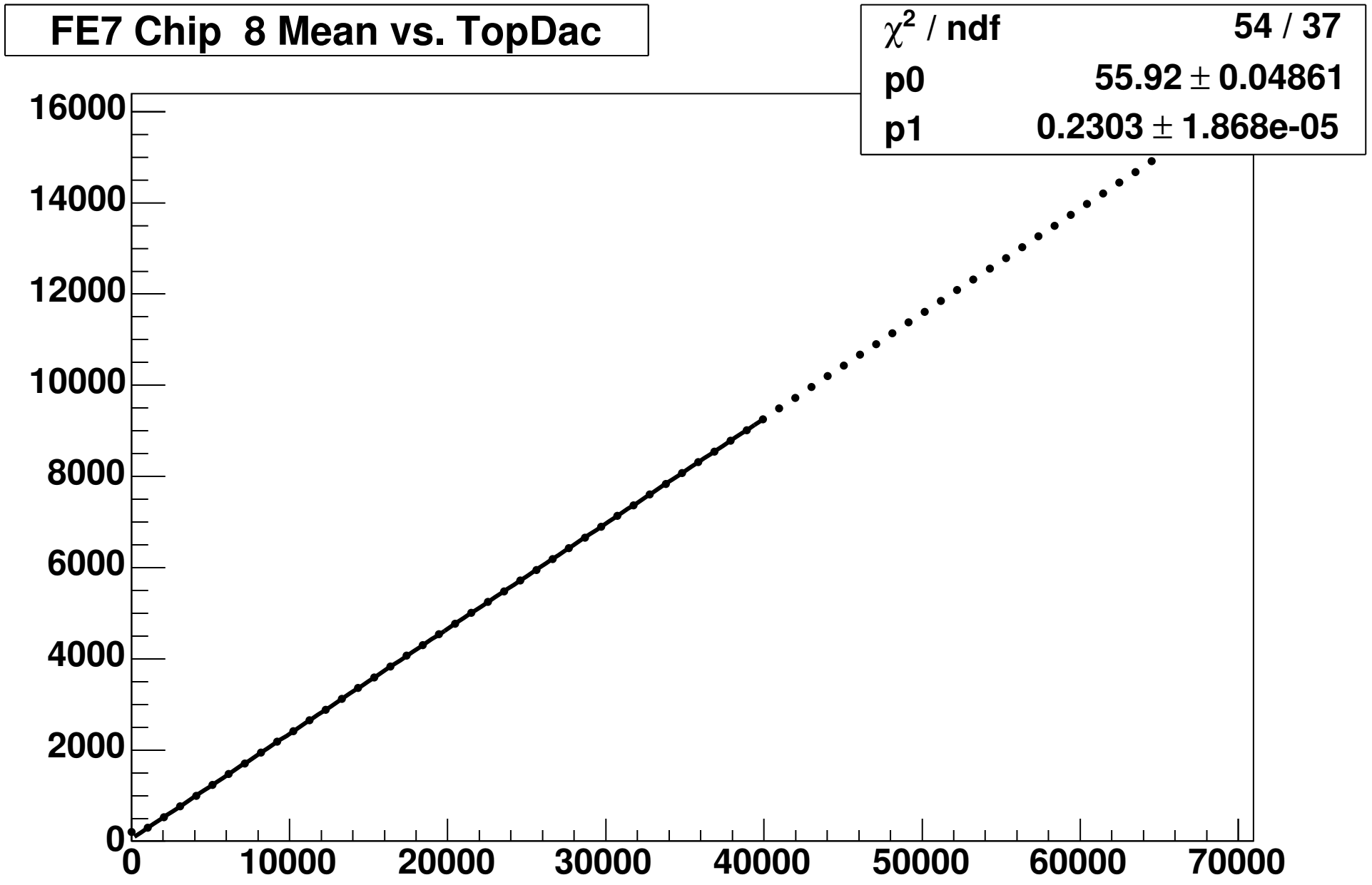

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 3.394e+04 / 37
p0 7.593e-07 ± 0.04158
p1 0.009002 ± 1.102e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

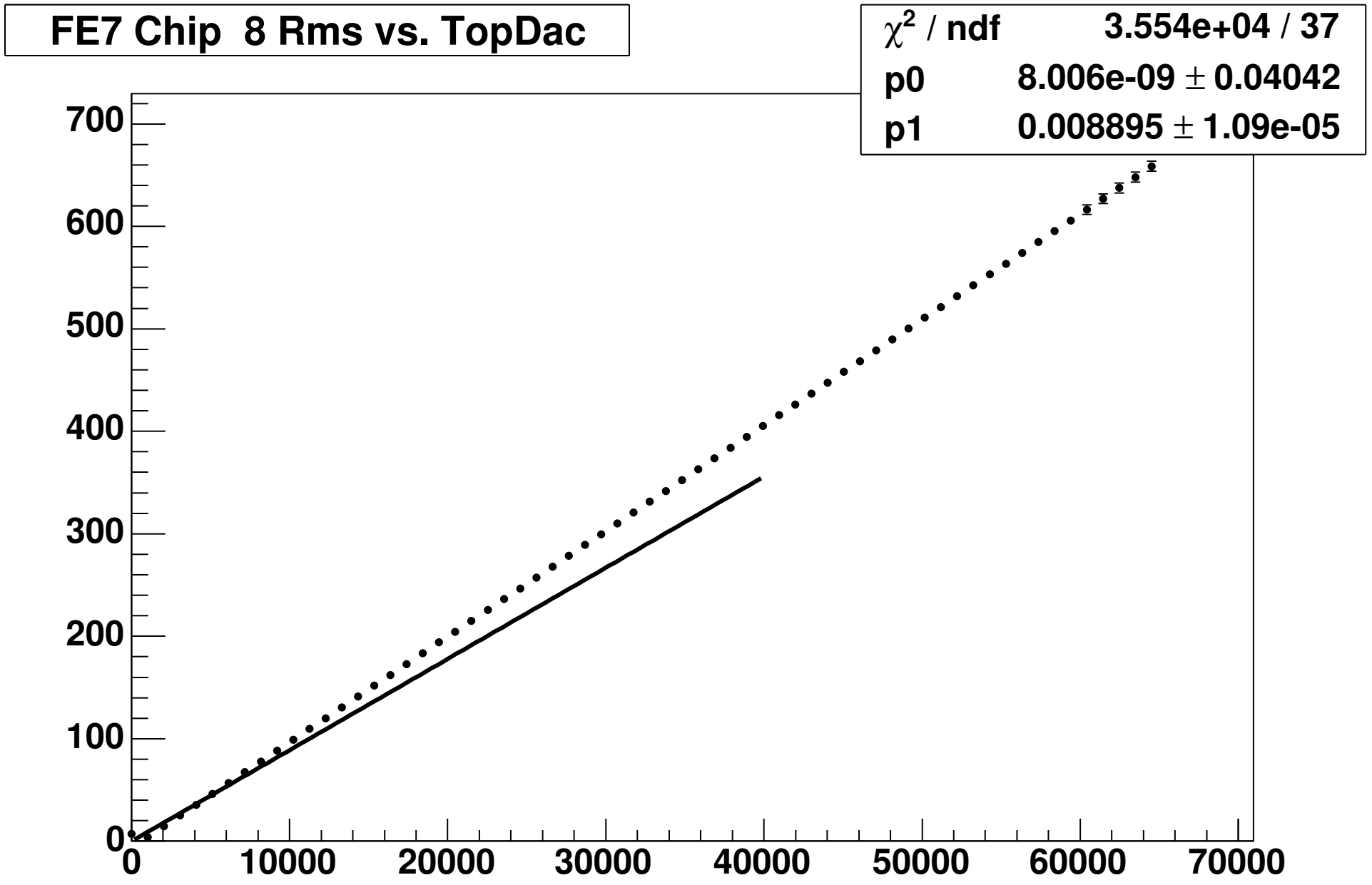

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 1.072 / 37
p0 55.3 ± 0.04953
p1 0.0004625 ± 1.885e-05
95
90
85
80
75
70
65
60
55
0
10000
20000
30000
40000
50000
60000
70000

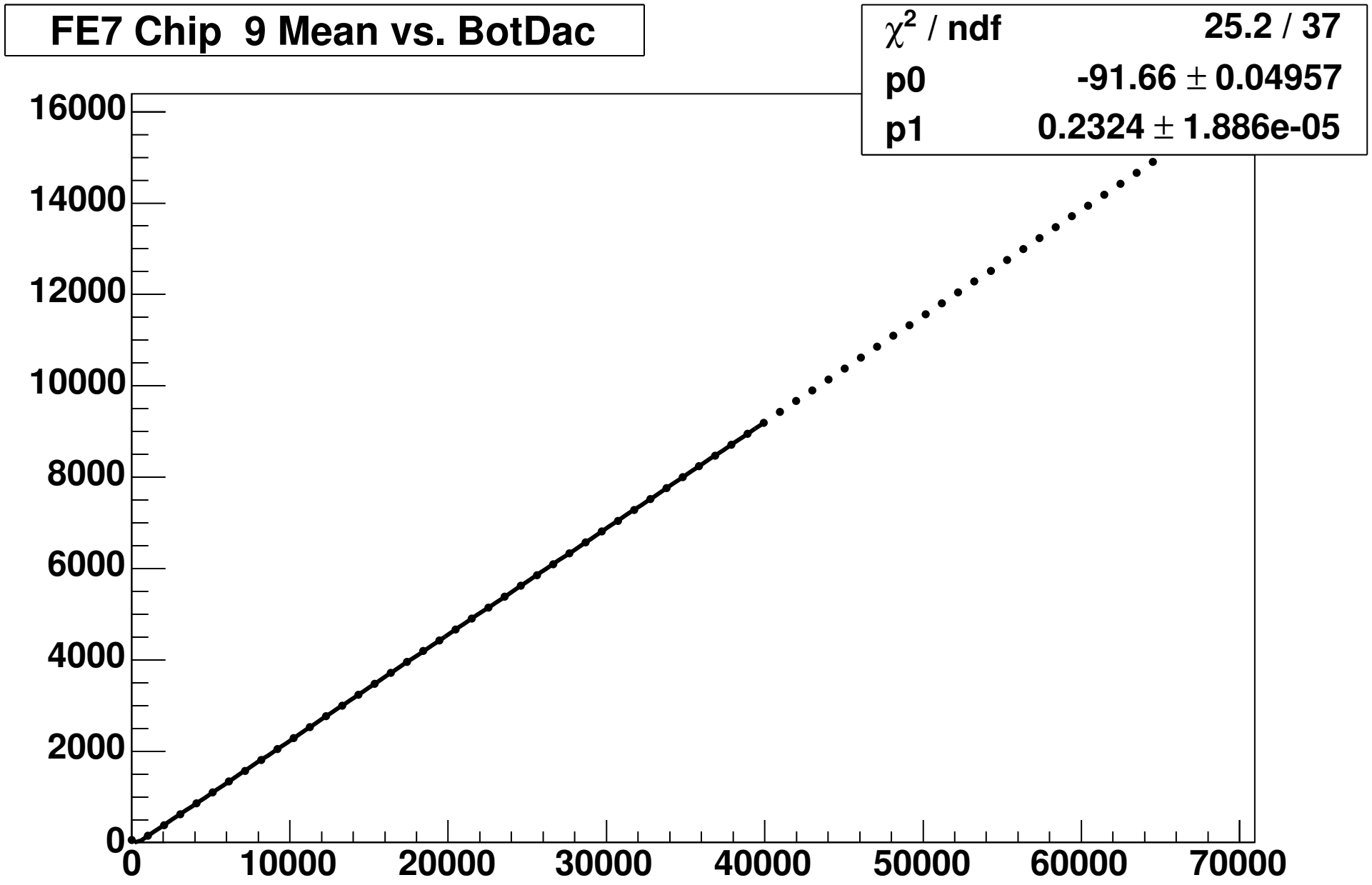

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 3.416e+04 / 37
p0 9.681e-07 ± 0.04146
p1 0.008997 ± 1.101e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

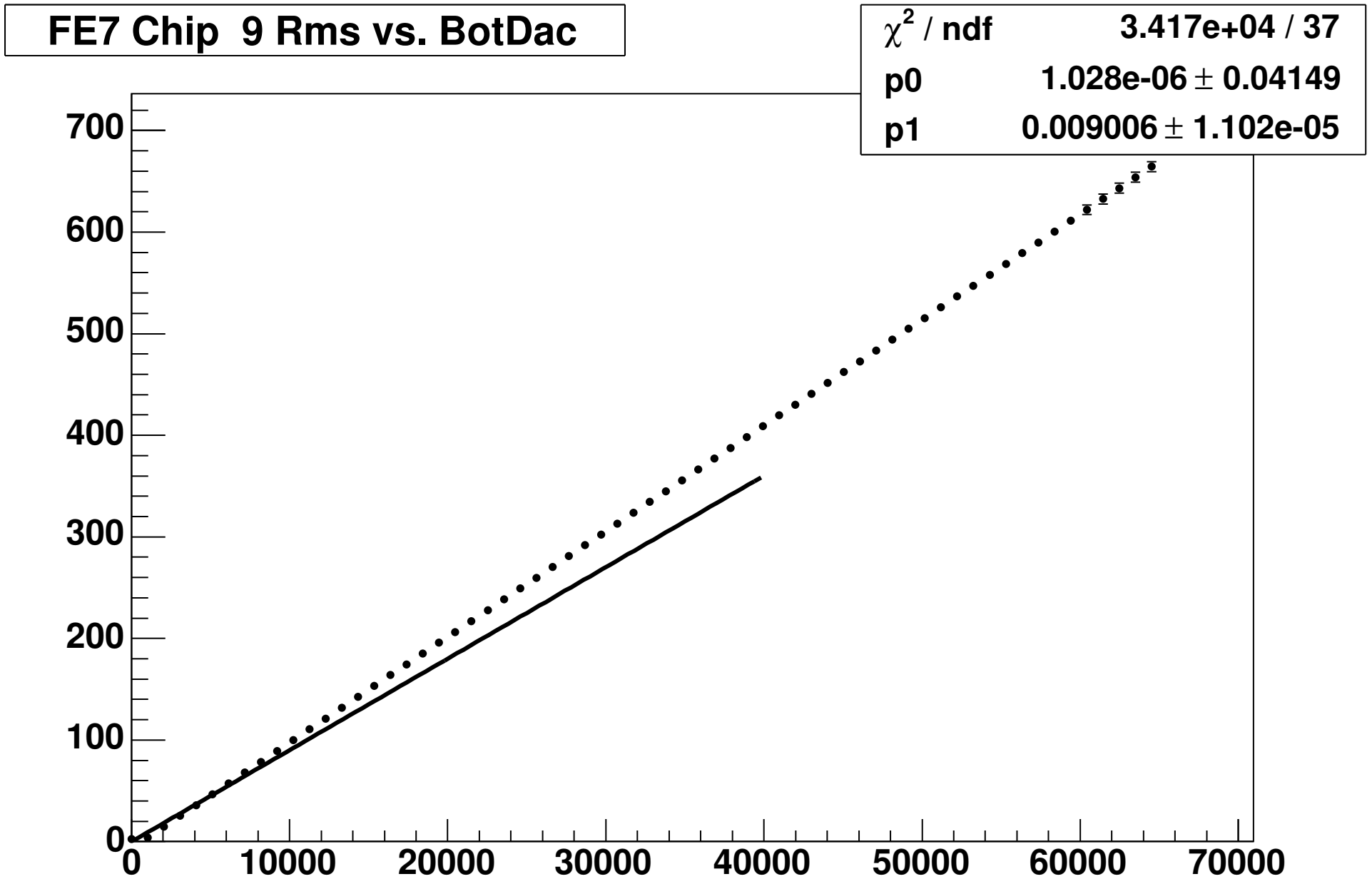

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 26.52 / 37
p0 202.9 ± 0.01995
p1 0.0004004 ± 1.572e-05
240
235
230
225
220
215
210
205
200
0
10000
20000
30000
40000
50000
60000
70000

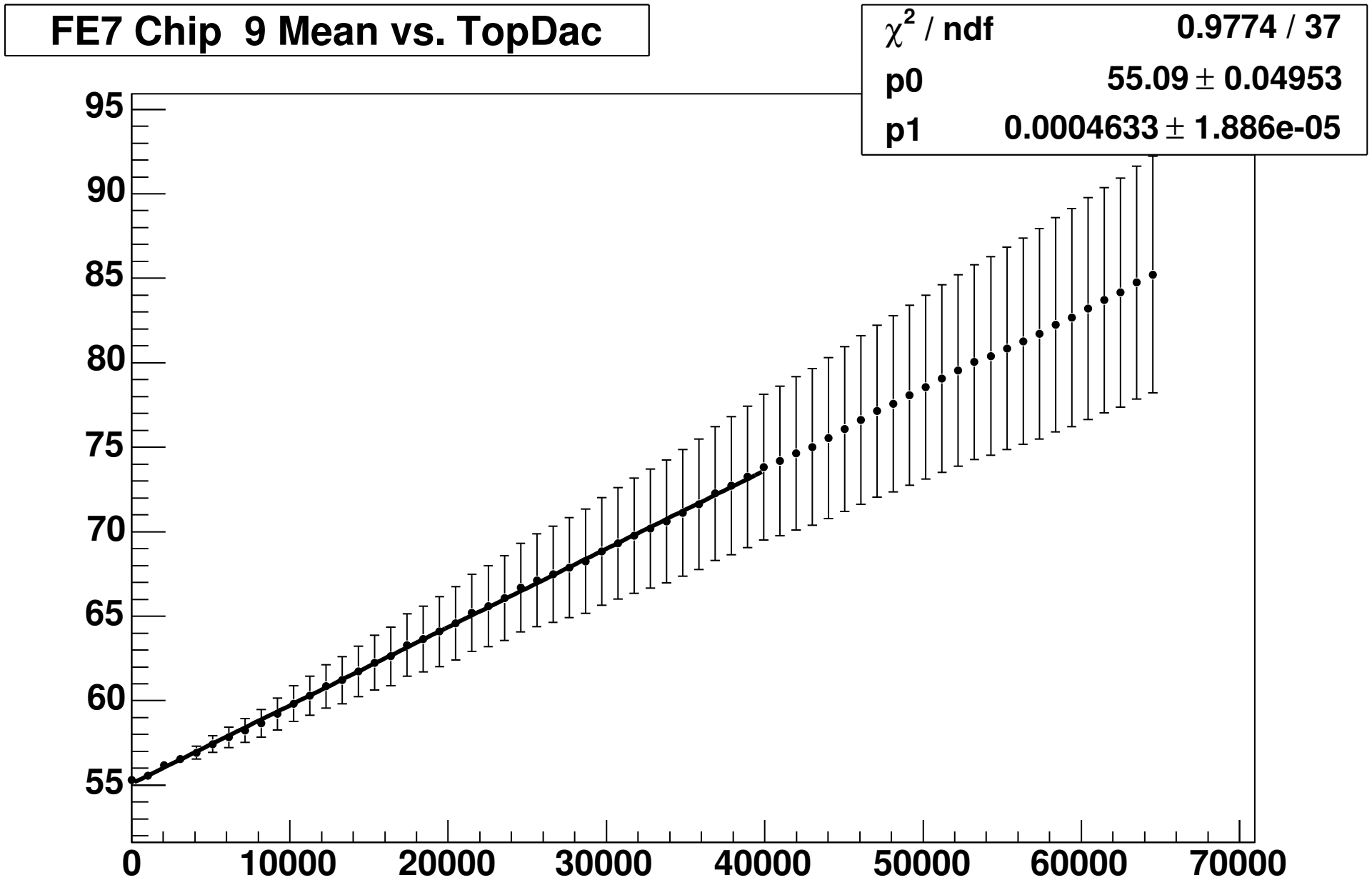

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 3.895e+05 / 37
p0 1.249e-09 ± 0.008419
p1 0.003019 ± 5.407e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

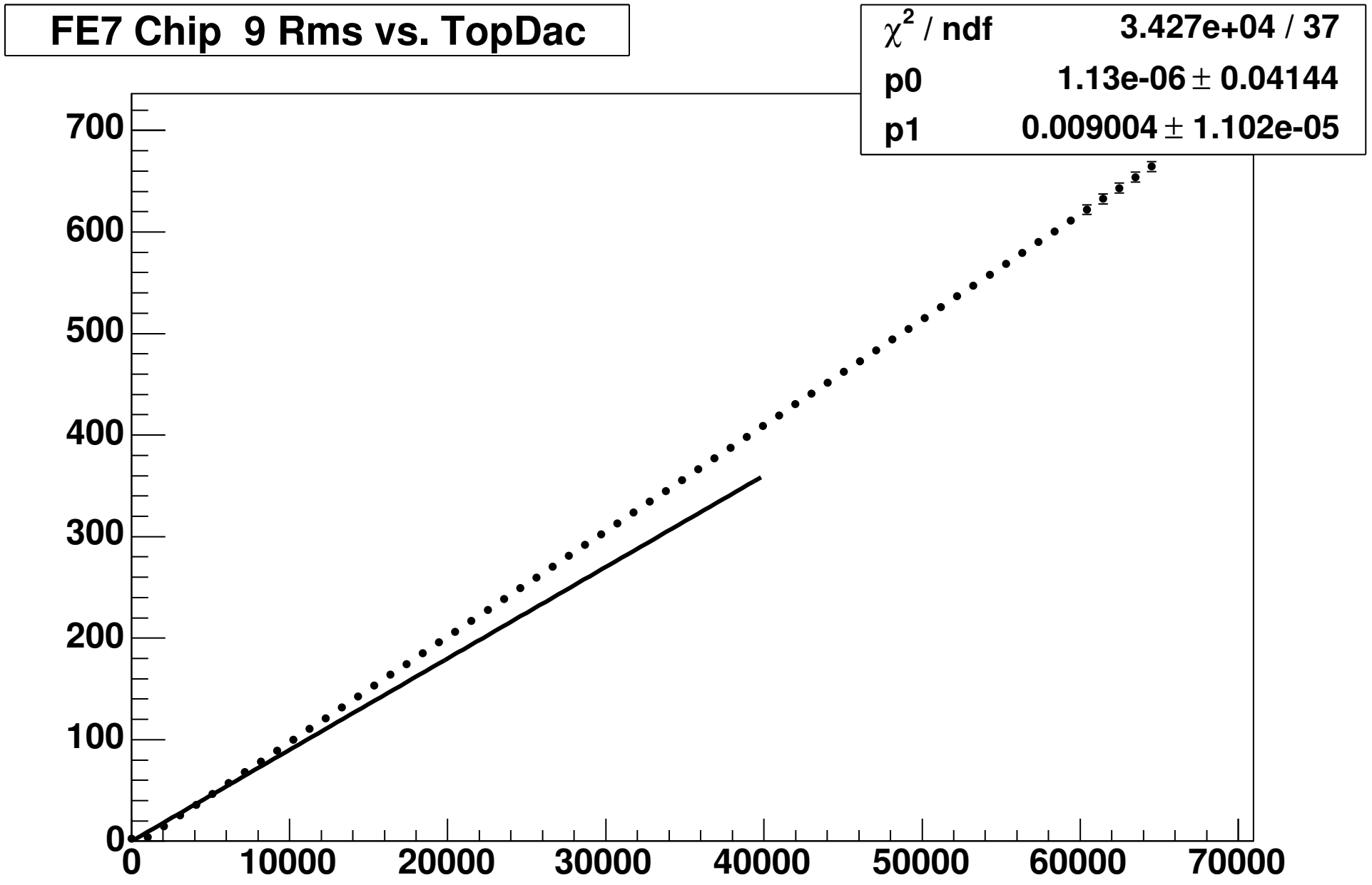

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 54 / 37
p0 55.92 ± 0.04861
p1 0.2303 ± 1.868e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

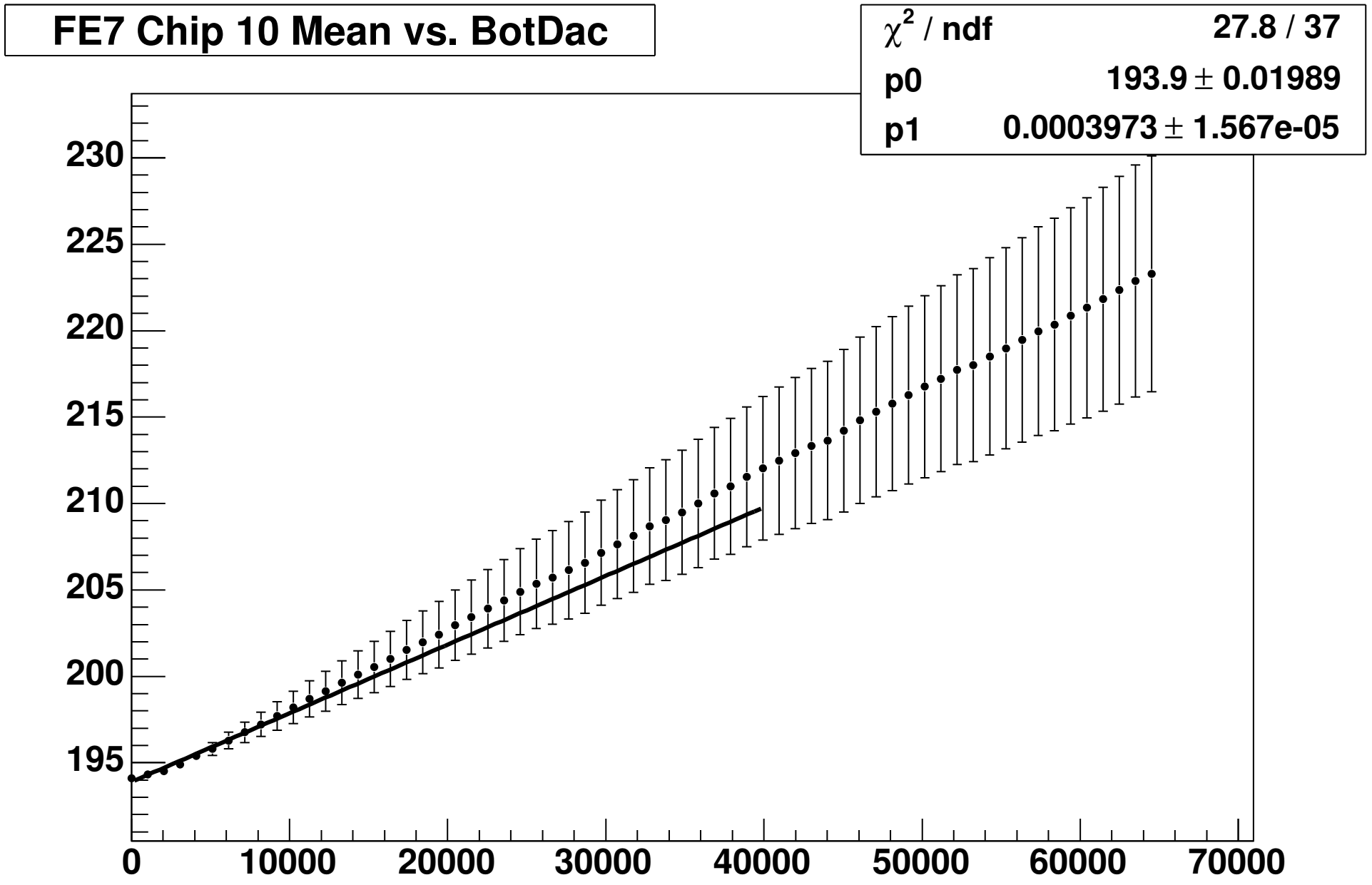

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 3.554e+04 / 37
p0 8.006e-09 ± 0.04042
p1 0.008895 ± 1.09e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

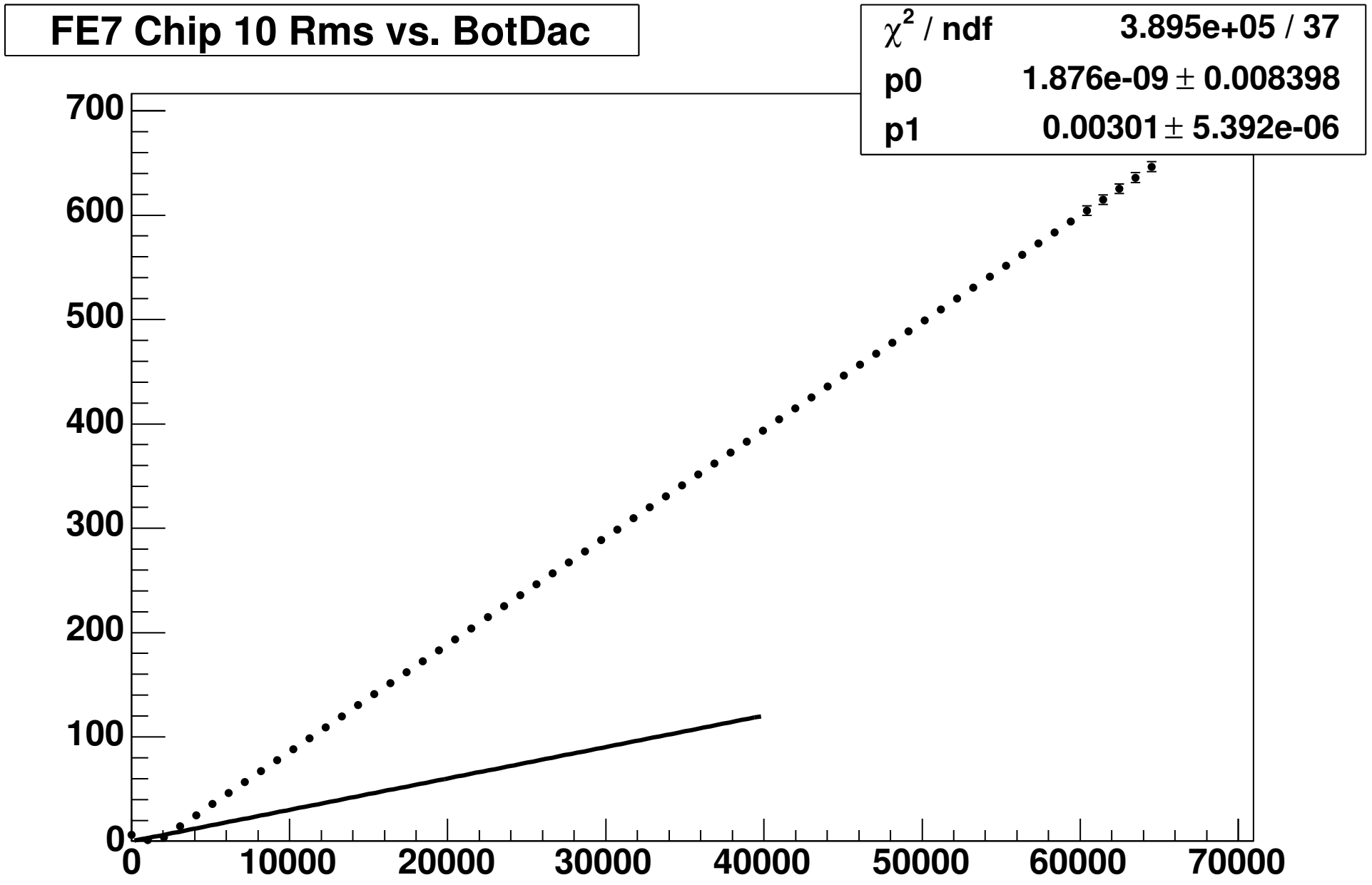

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 25.2 / 37
p0 -91.66 ± 0.04957
p1 0.2324 ± 1.886e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

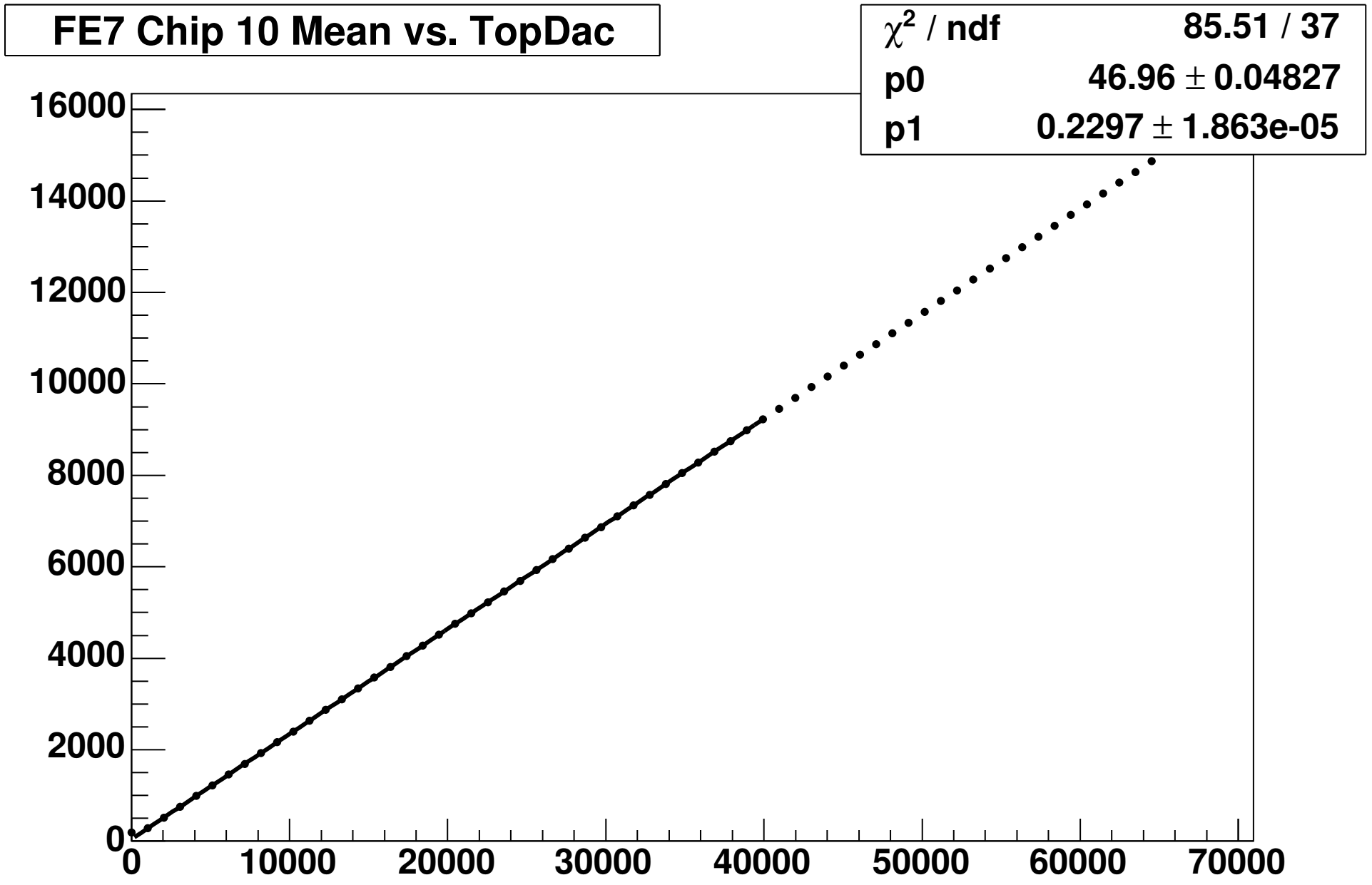

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 3.417e+04 / 37
p0 1.028e-06 ± 0.04149
p1 0.009006 ± 1.102e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

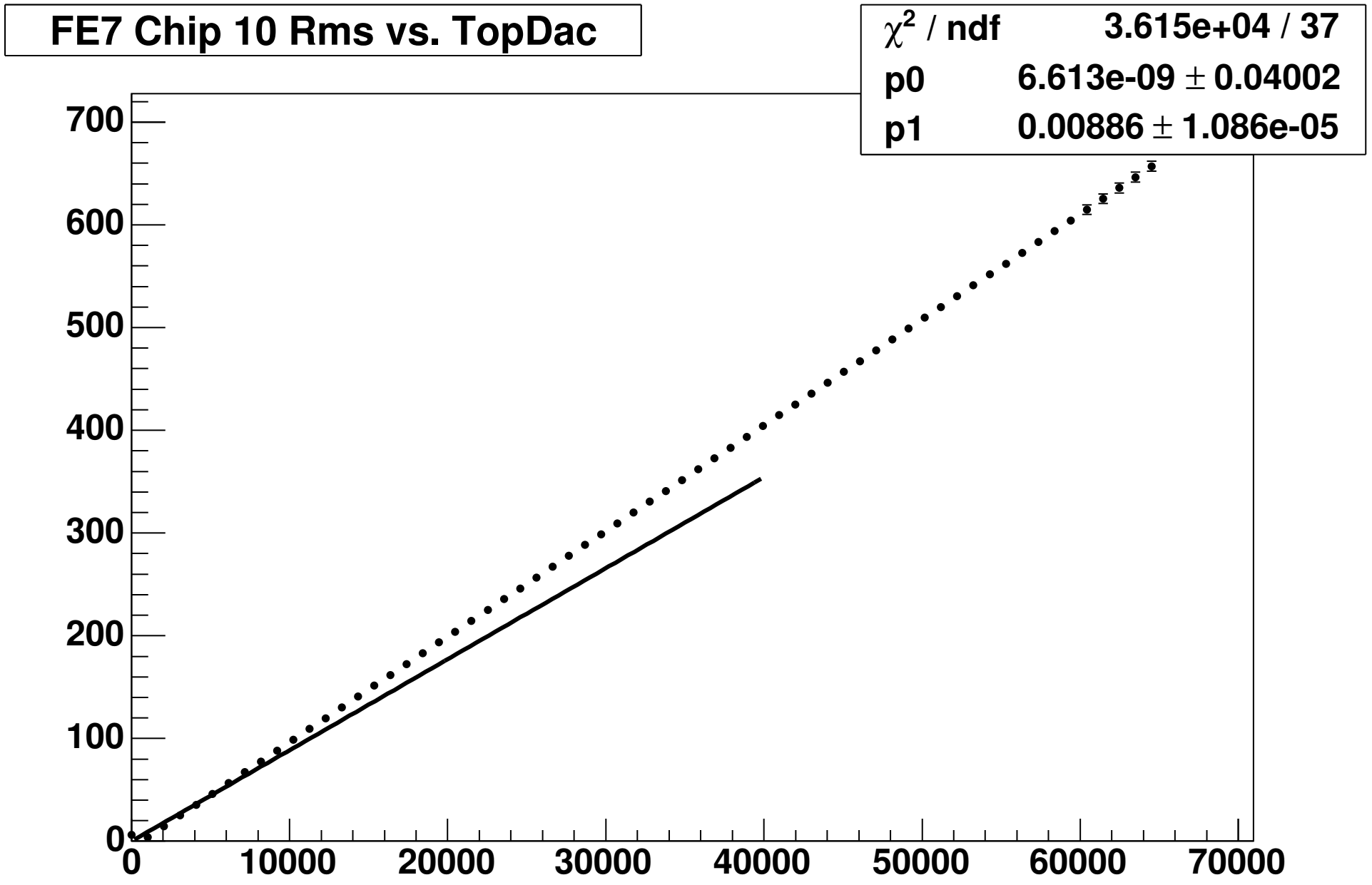

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 0.9774 / 37
p0 55.09 ± 0.04953
p1 0.0004633 ± 1.886e-05
95
90
85
80
75
70
65
60
55
0
10000
20000
30000
40000
50000
60000
70000

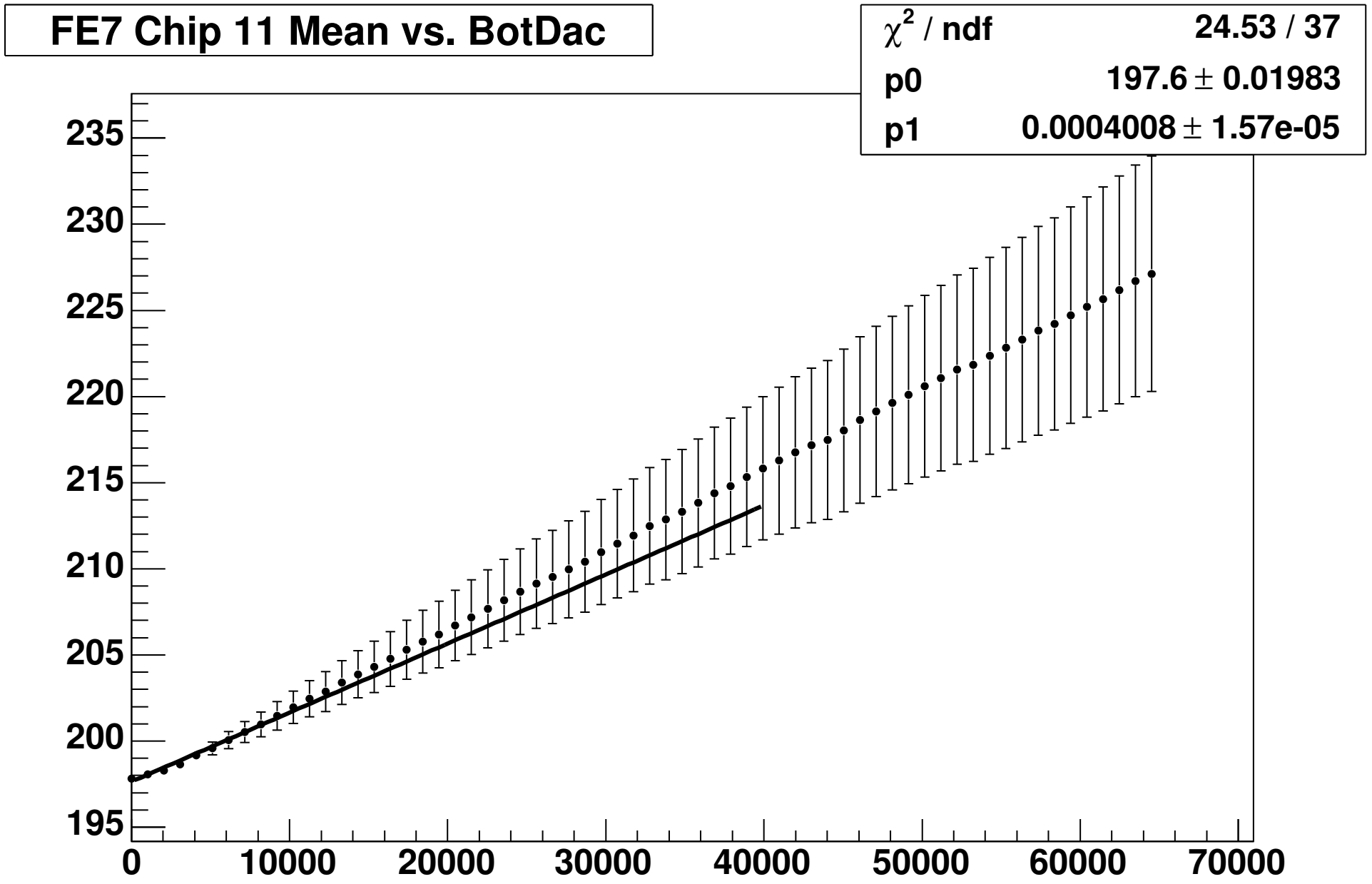

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 3.427e+04 / 37
p0 1.13e-06 ± 0.04144
p1 0.009004 ± 1.102e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

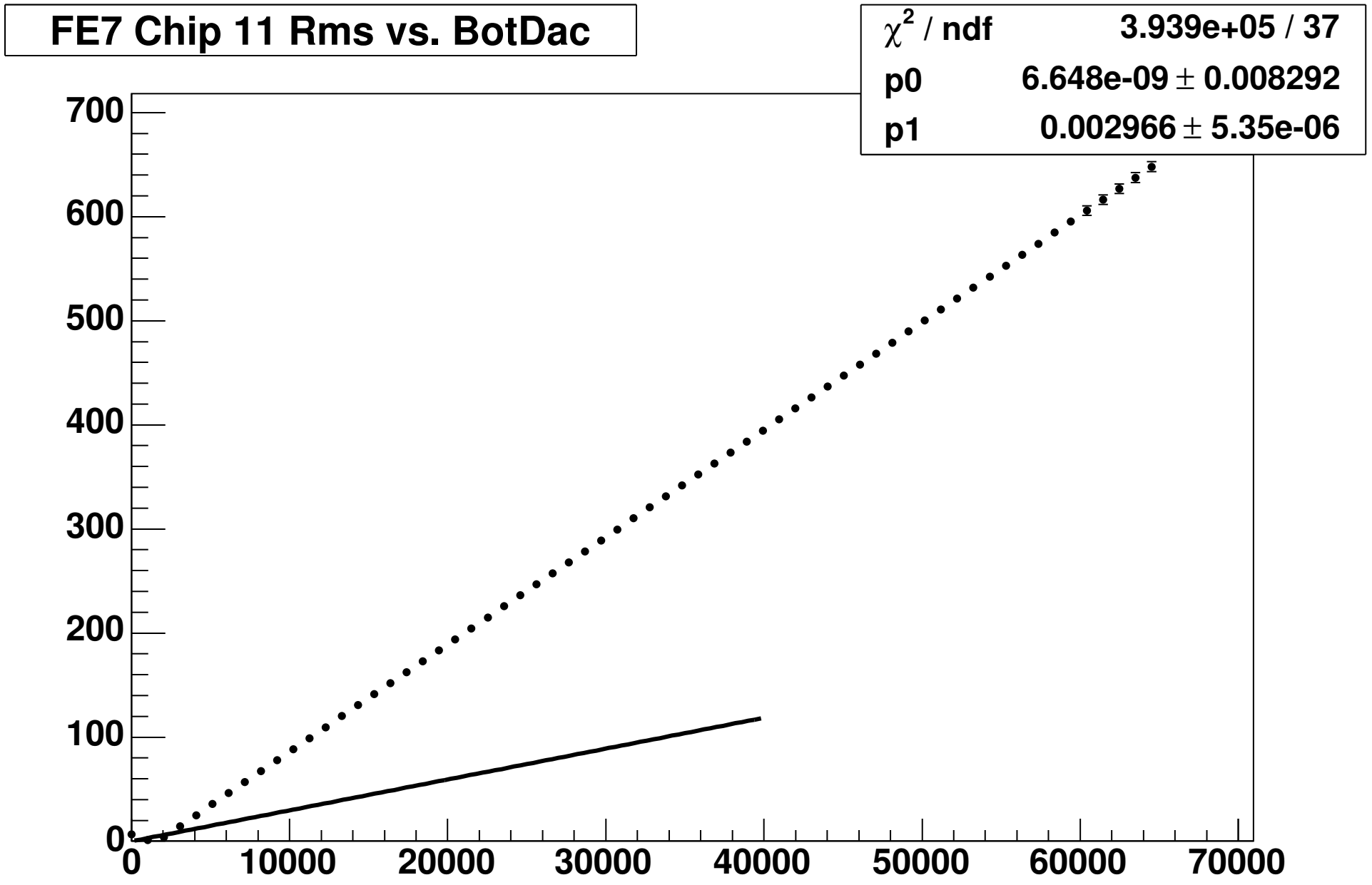

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 27.8 / 37
p0 193.9 ± 0.01989
p1 0.0003973 ± 1.567e-05
230
225
220
215
210
205
200
195
0
10000
20000
30000
40000
50000
60000
70000

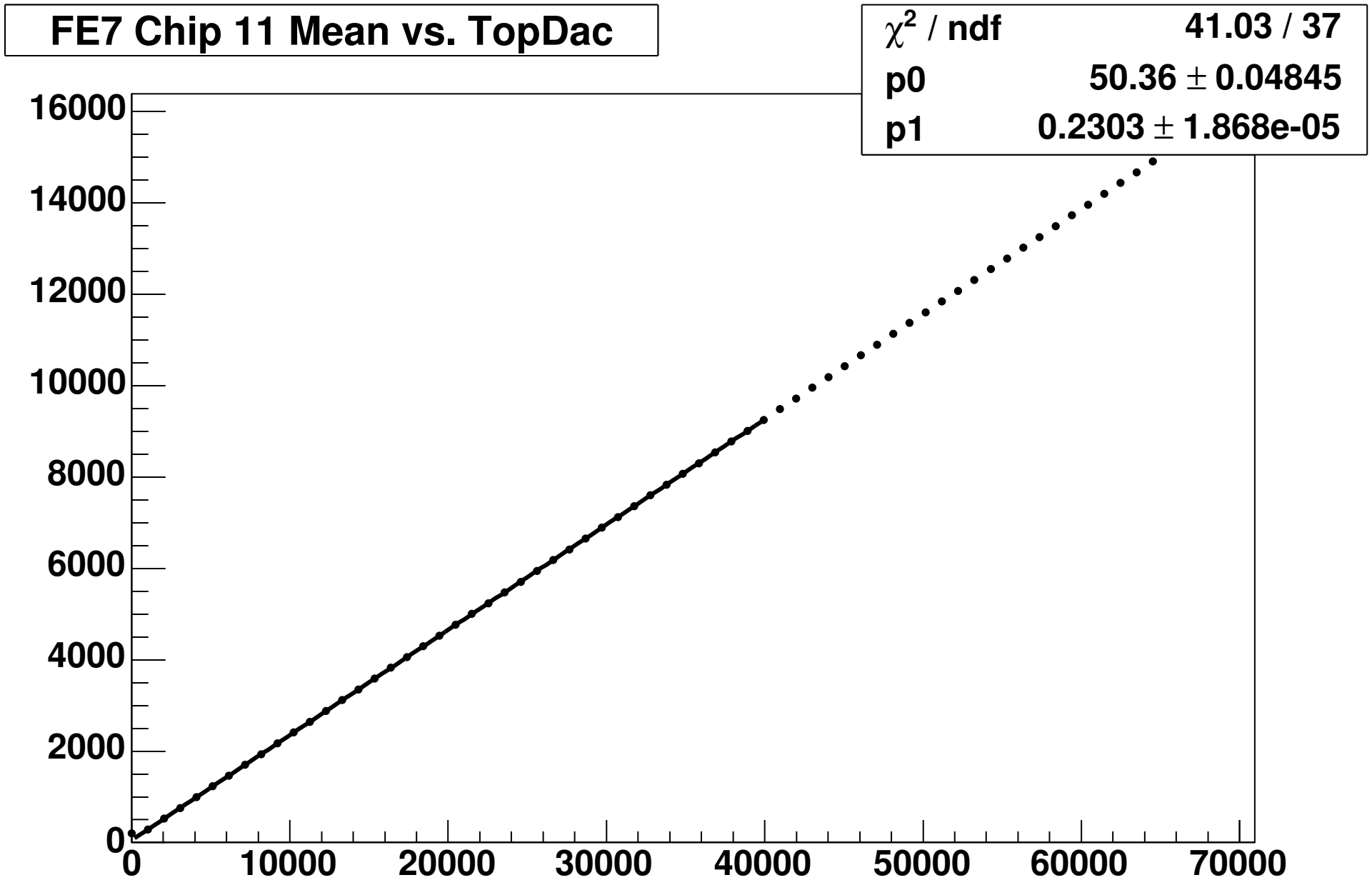

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 3.895e+05 / 37
p0 1.876e-09 ± 0.008398
p1 0.00301 ± 5.392e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

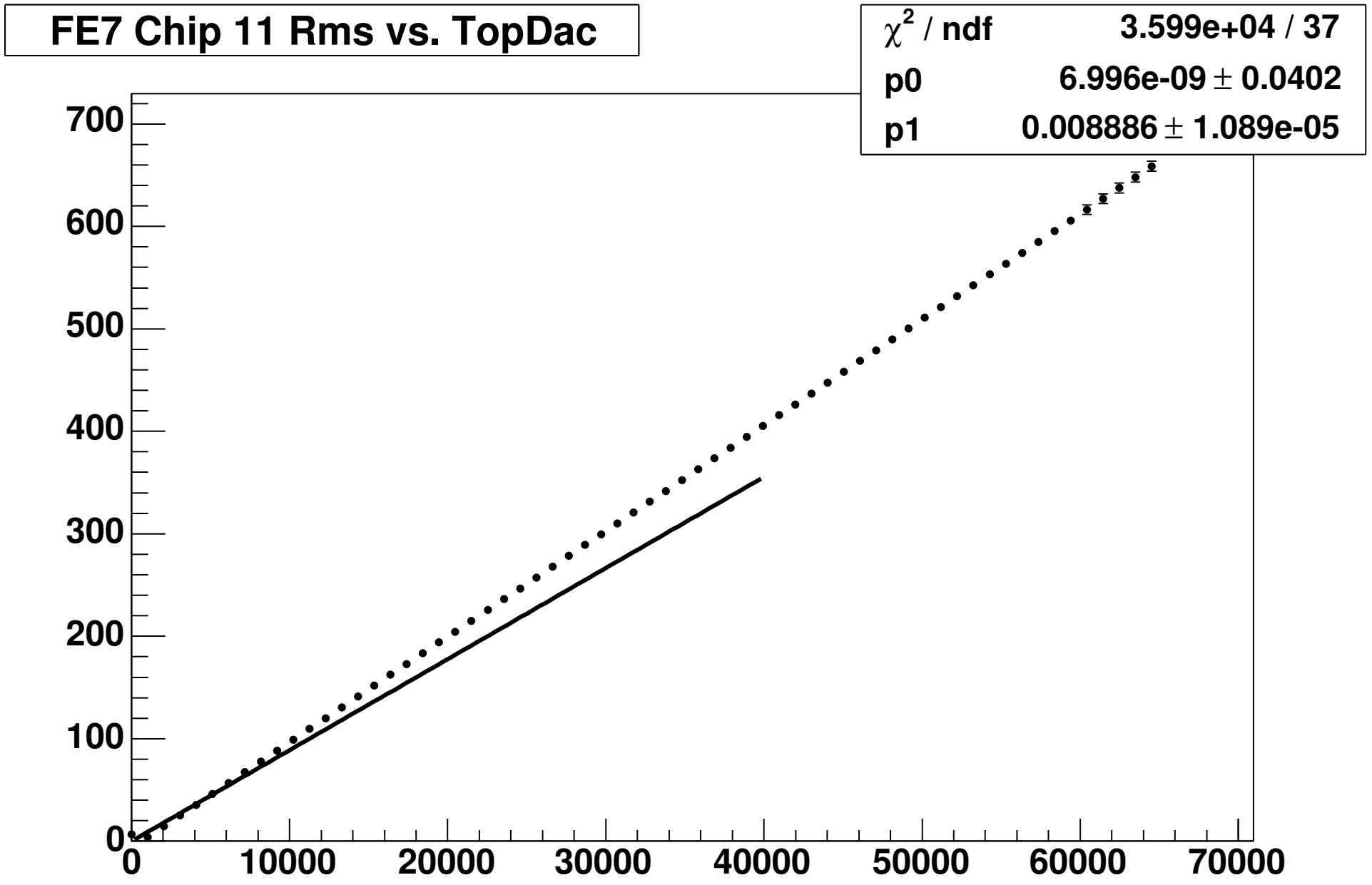

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 85.51 / 37
p0 46.96 ± 0.04827
p1 0.2297 ± 1.863e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

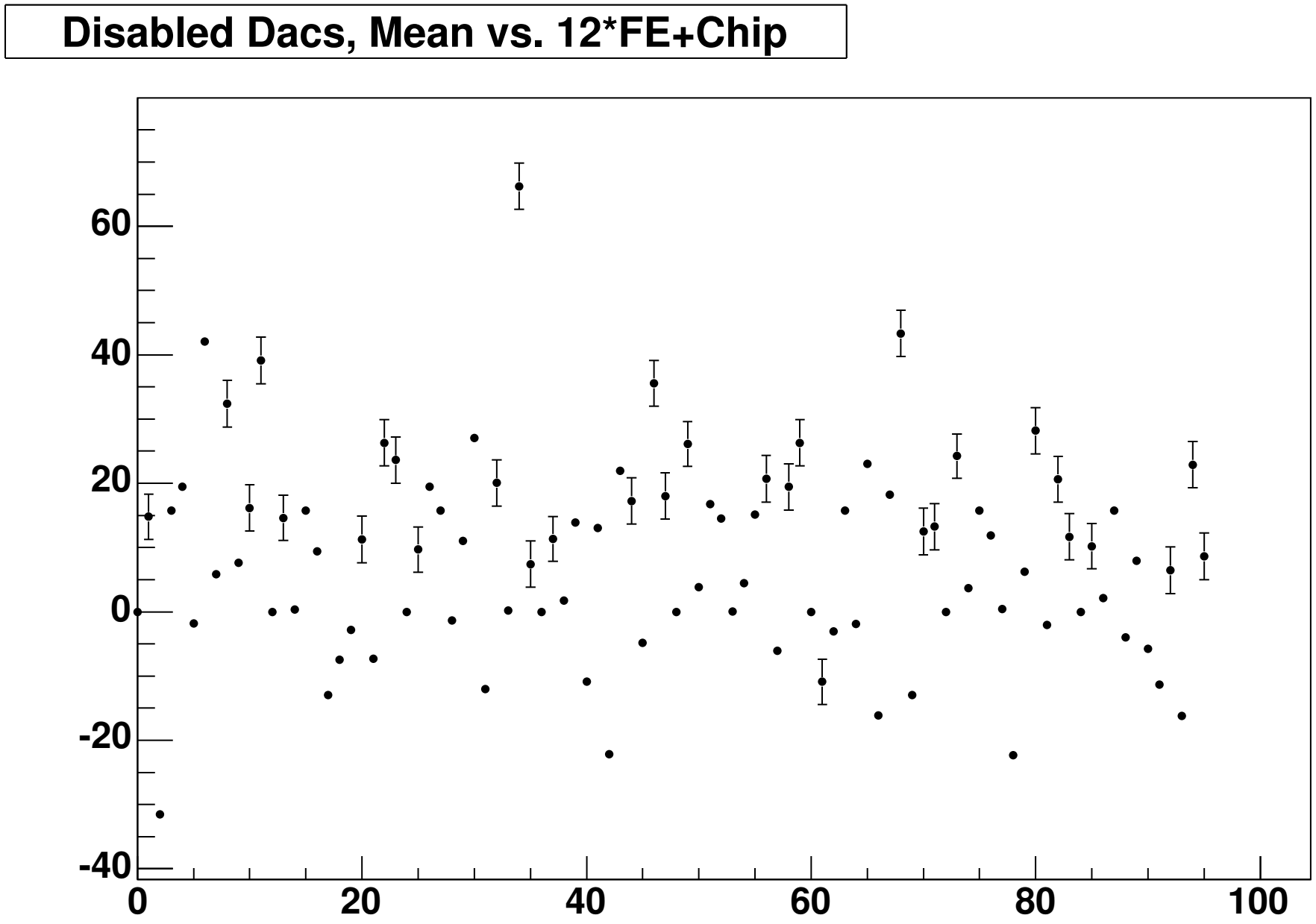

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 3.615e+04 / 37
p0 6.613e-09 ± 0.04002
p1 0.00886 ± 1.086e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

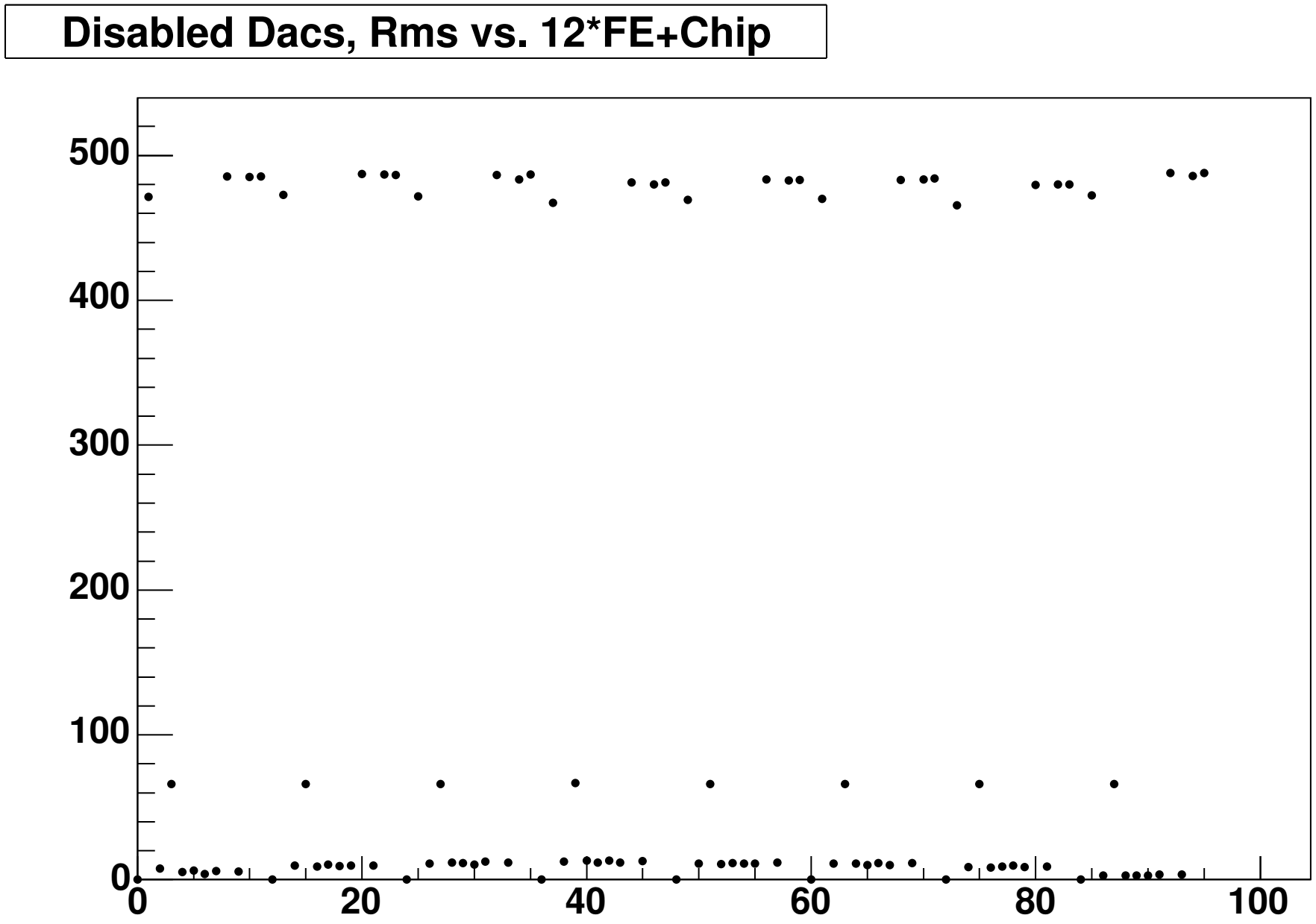

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 24.53 / 37
p0 197.6 ± 0.01983
p1 0.0004008 ± 1.57e-05
235
230
225
220
215
210
205
200
195
0
10000
20000
30000
40000
50000
60000
70000

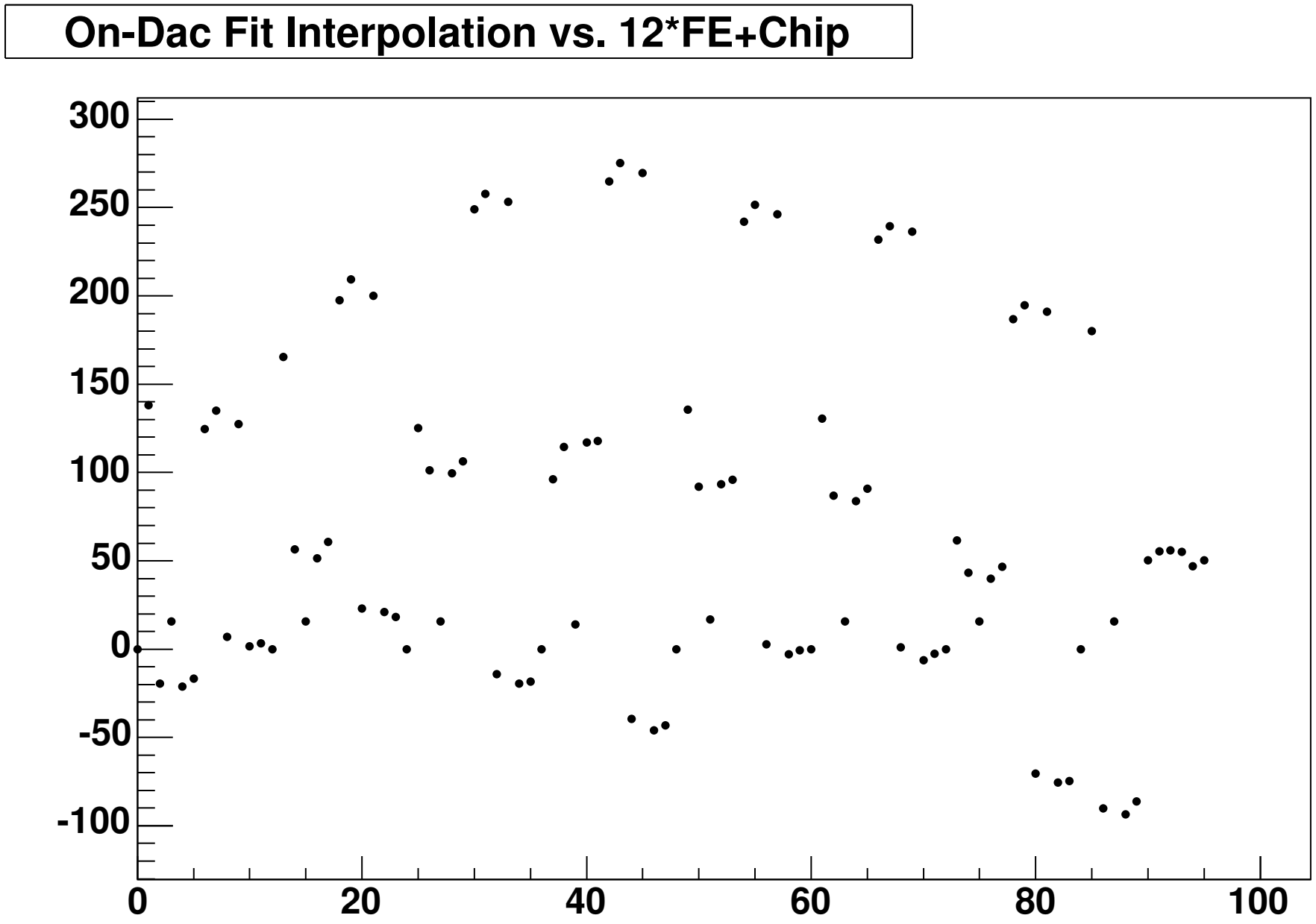

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 3.939e+05 / 37
p0 6.648e-09 ± 0.008292
p1 0.002966 ± 5.35e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

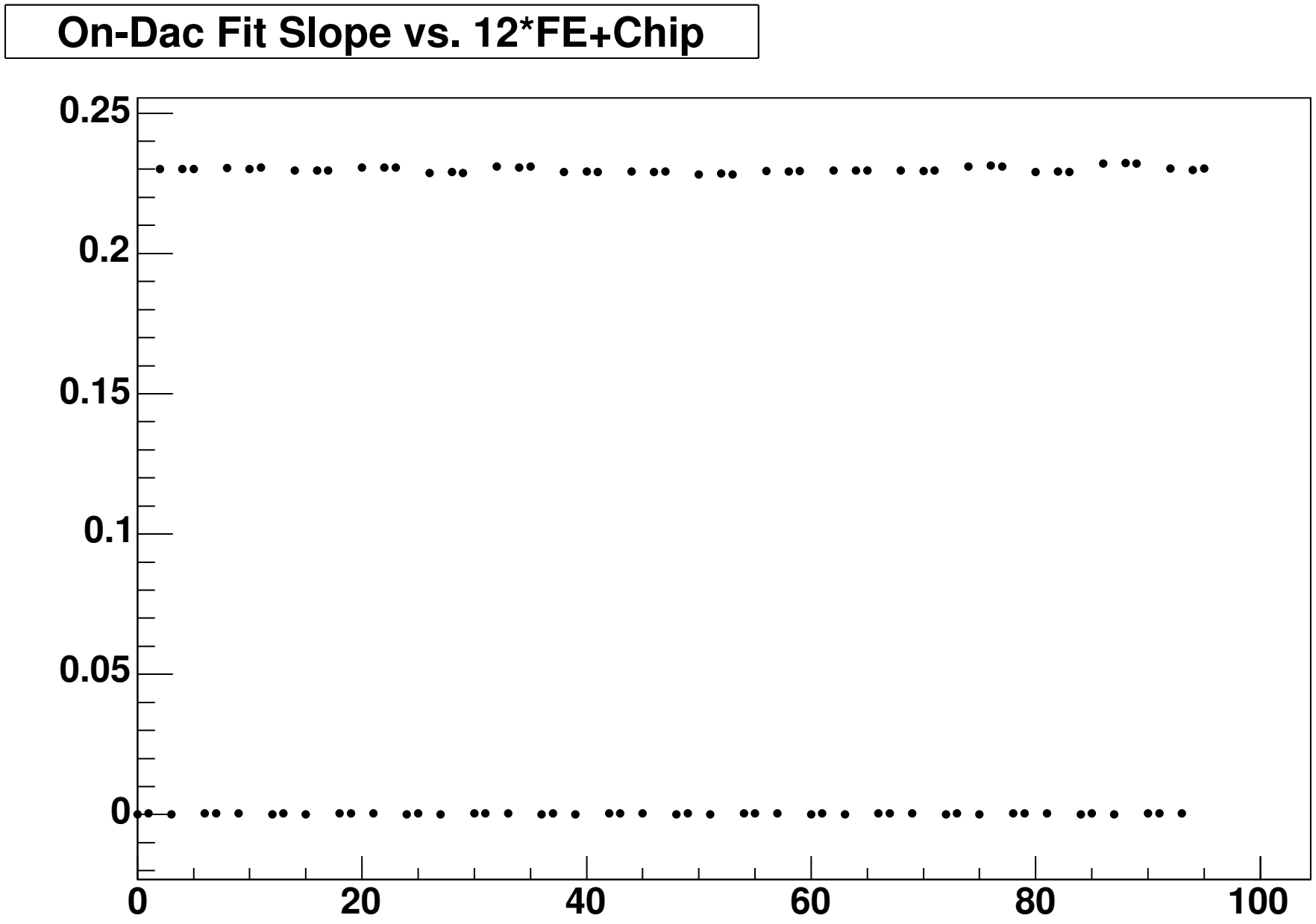

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 41.03 / 37
p0 50.36 ± 0.04845
p1 0.2303 ± 1.868e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
0
10000
20000
30000
40000
50000
60000
70000

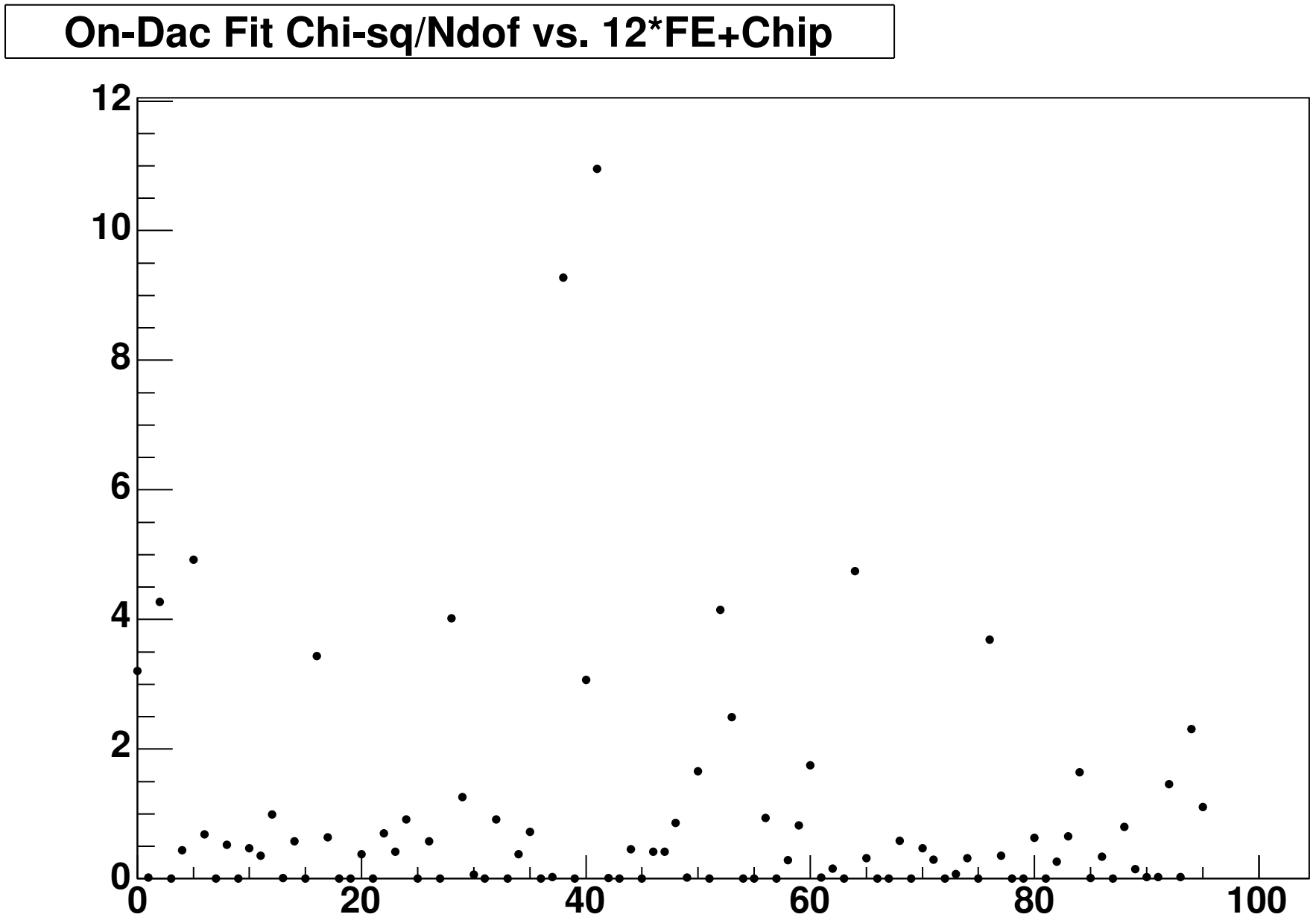

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 3.599e+04 / 37
p0 6.996e-09 ± 0.0402
p1 0.008886 ± 1.089e-05
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

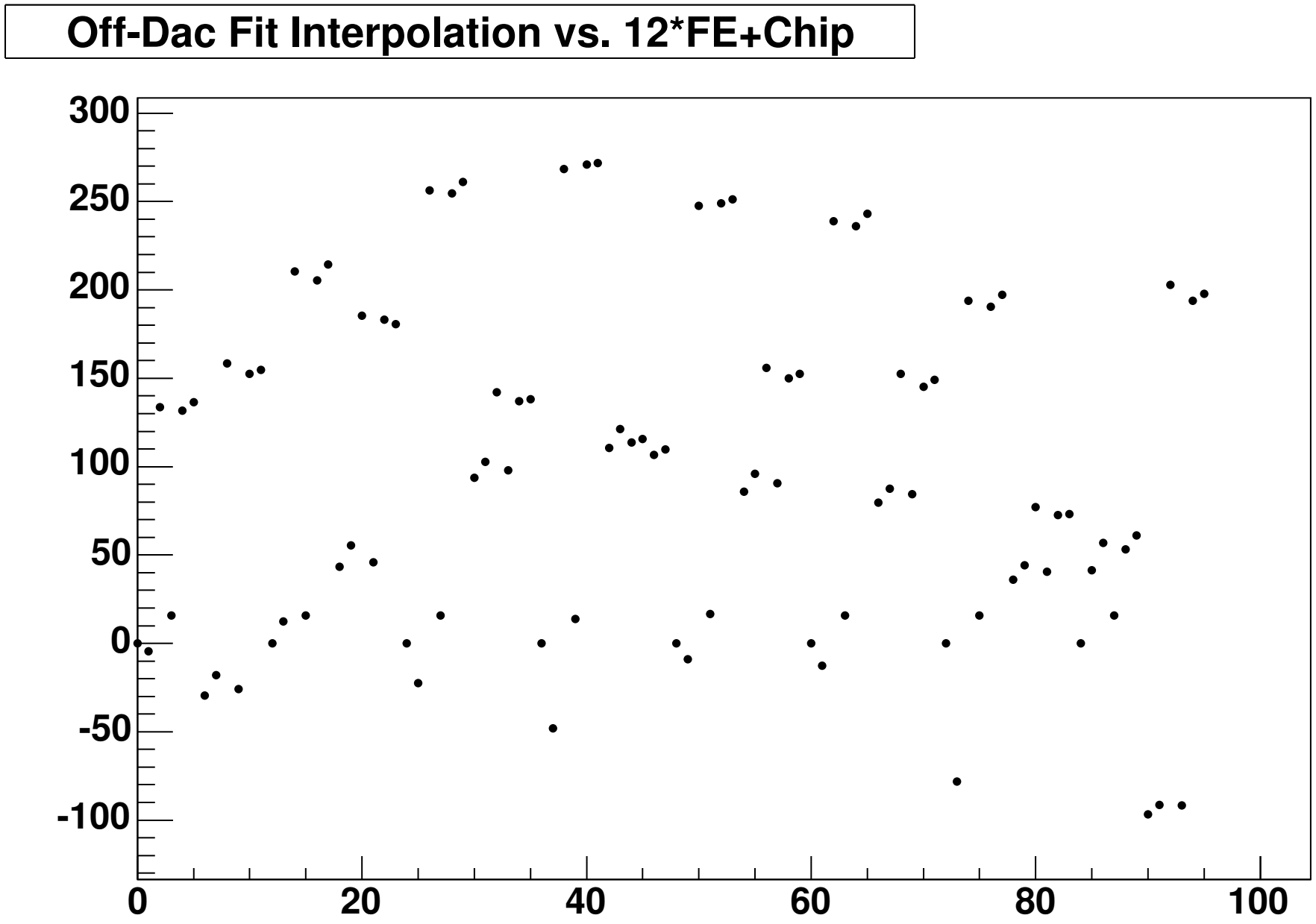

Disabled Dacs, Mean vs. 12*FE+Chip
60
40
20
0
-20
-40
0
20
40
60
80
100

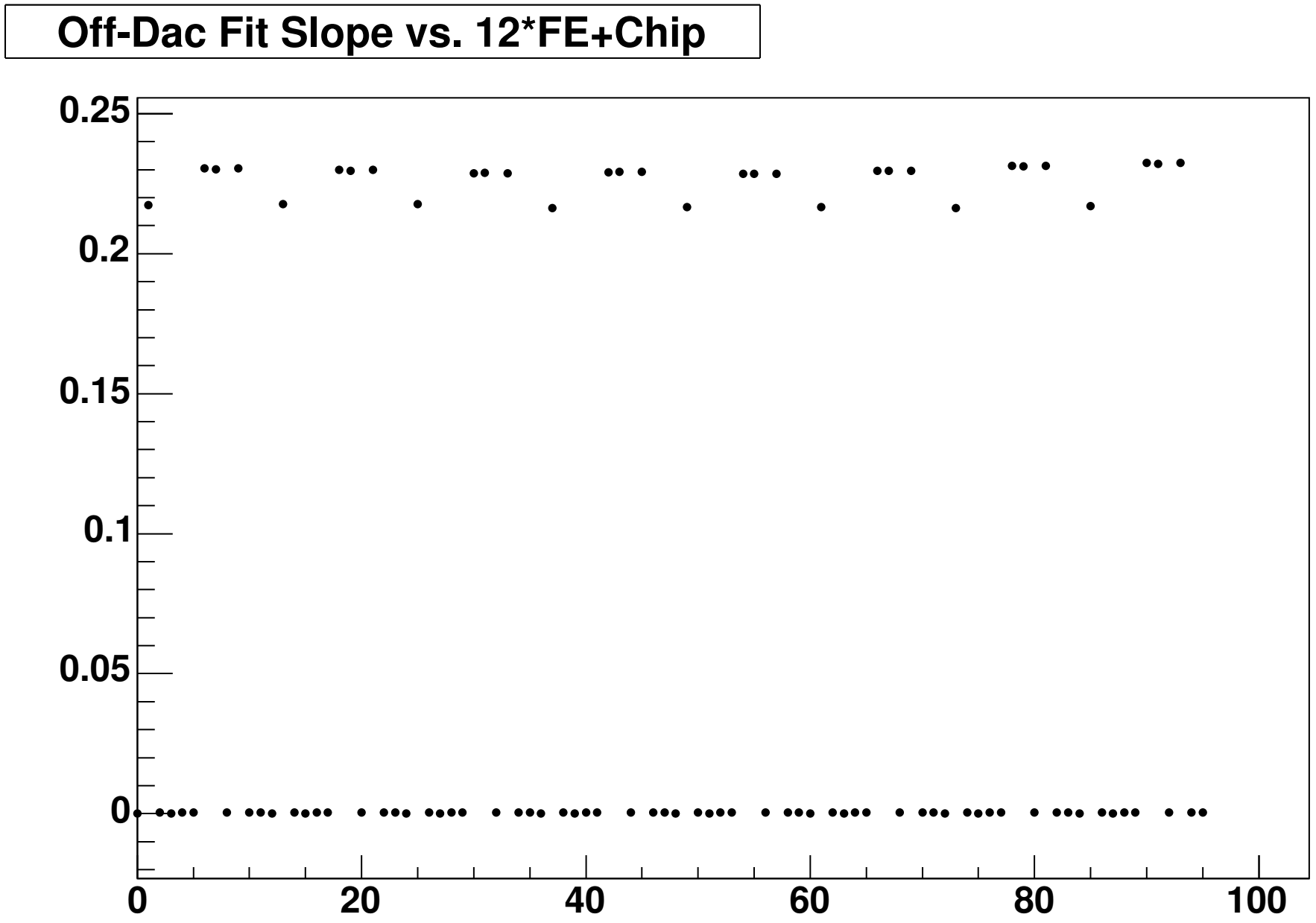

Disabled Dacs, Rms vs. 12*FE+Chip
500
400
300
200
100
0
0
20
40
60
80
100

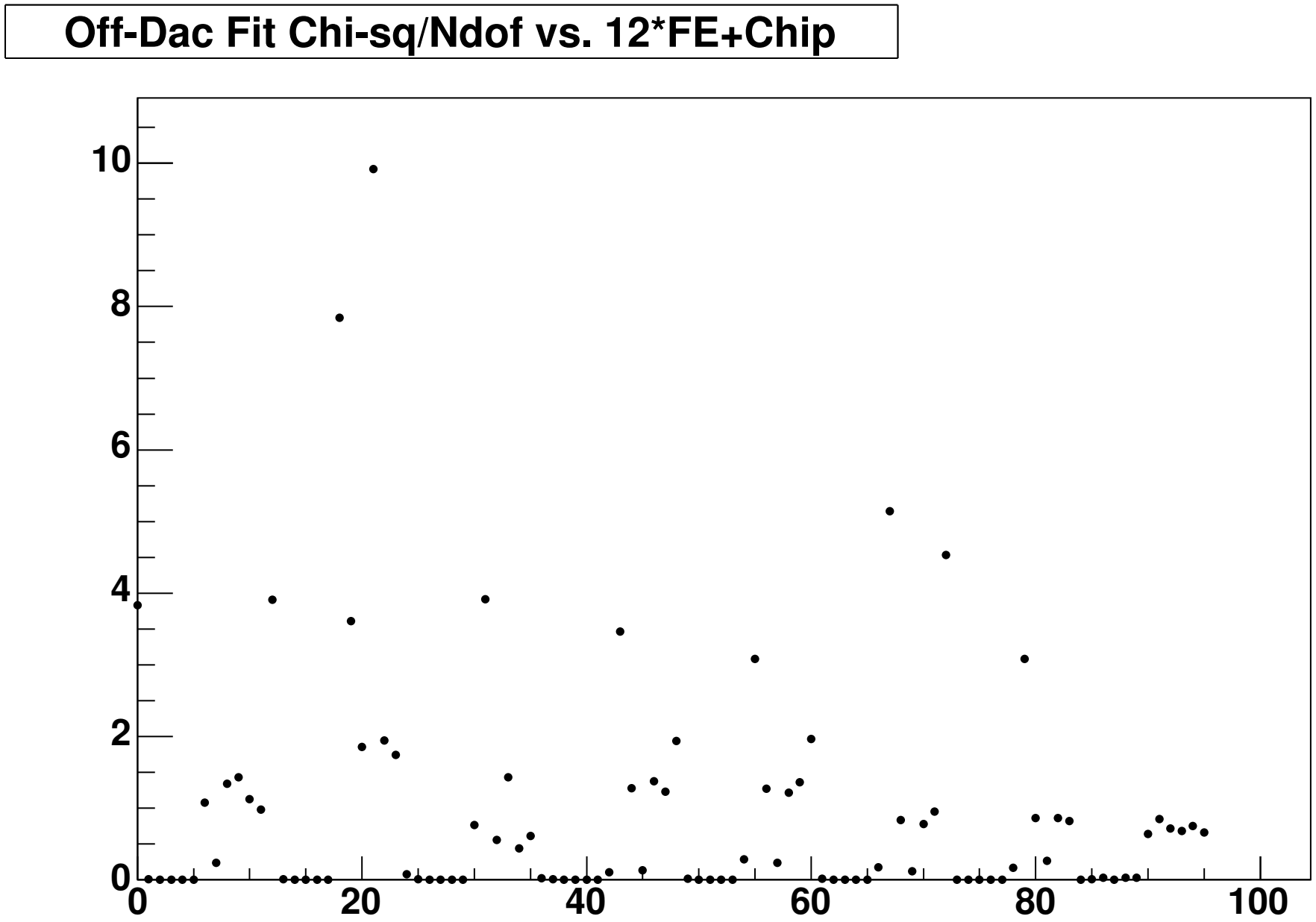

On-Dac Fit Interpolation vs. 12*FE+Chip
300
250
200
150
100
50
0
-50
-100
0
20
40
60
80
100

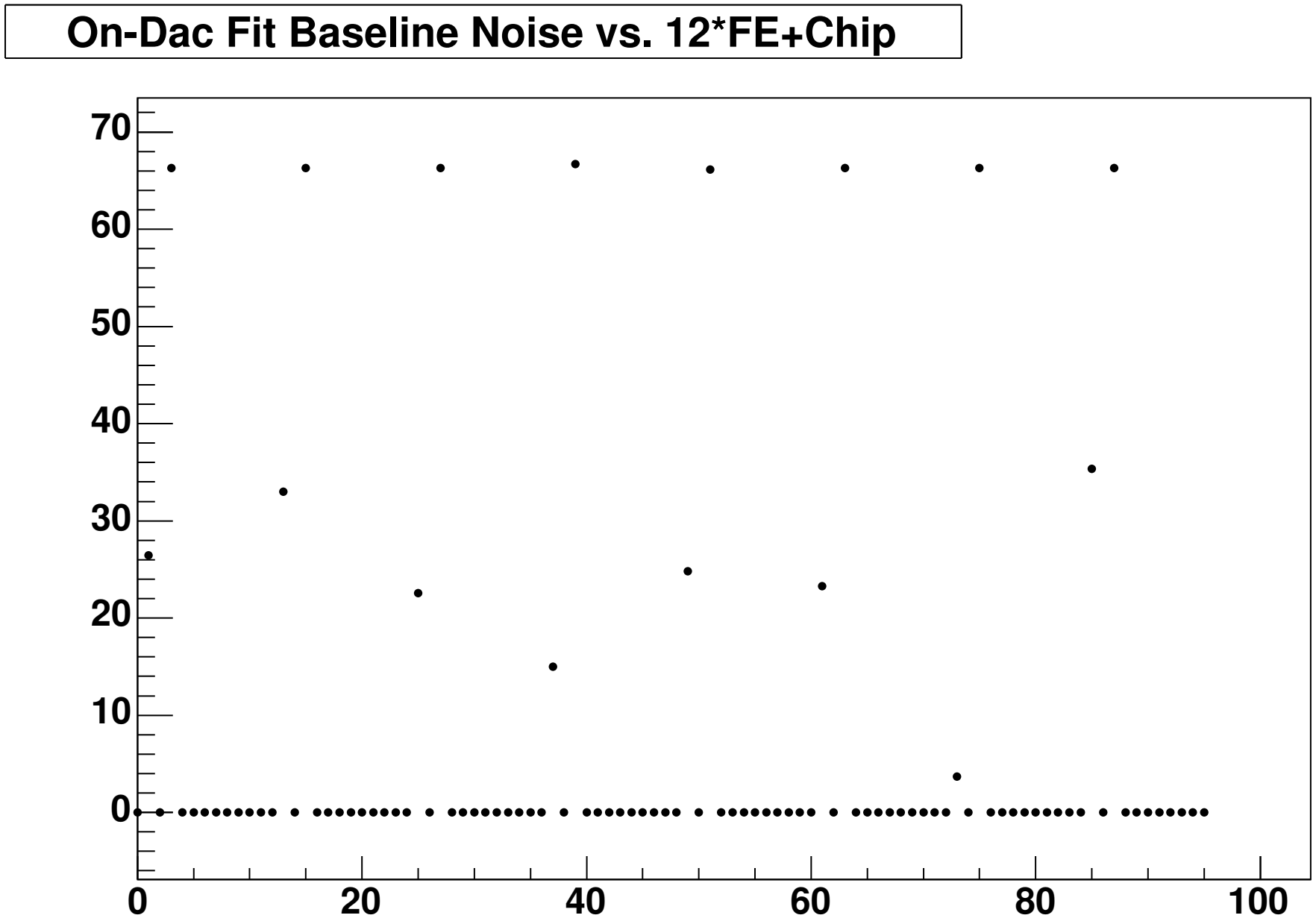

On-Dac Fit Slope vs. 12*FE+Chip
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100

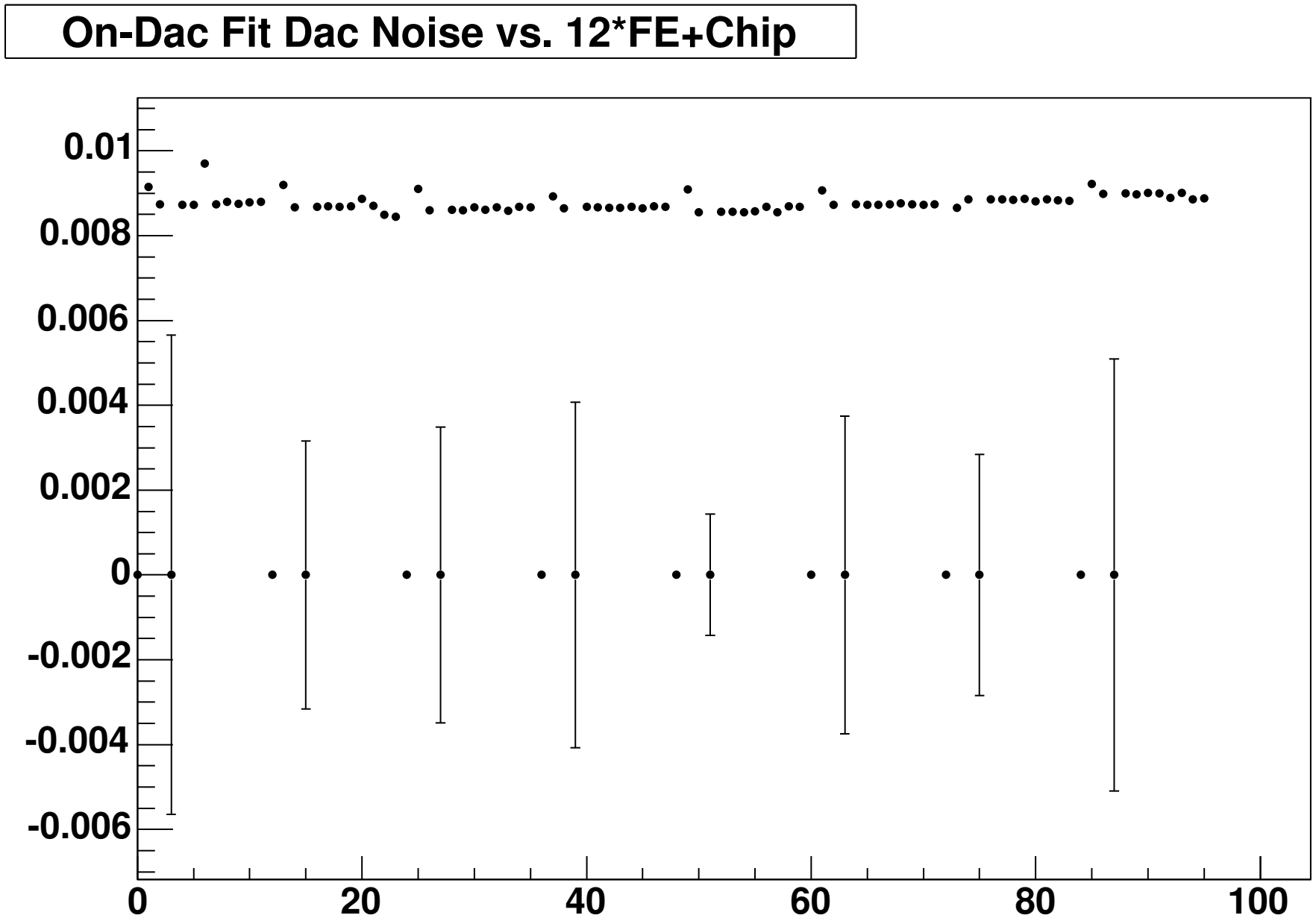

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
12
10
8
6
4
2
0
0
20
40
60
80
100

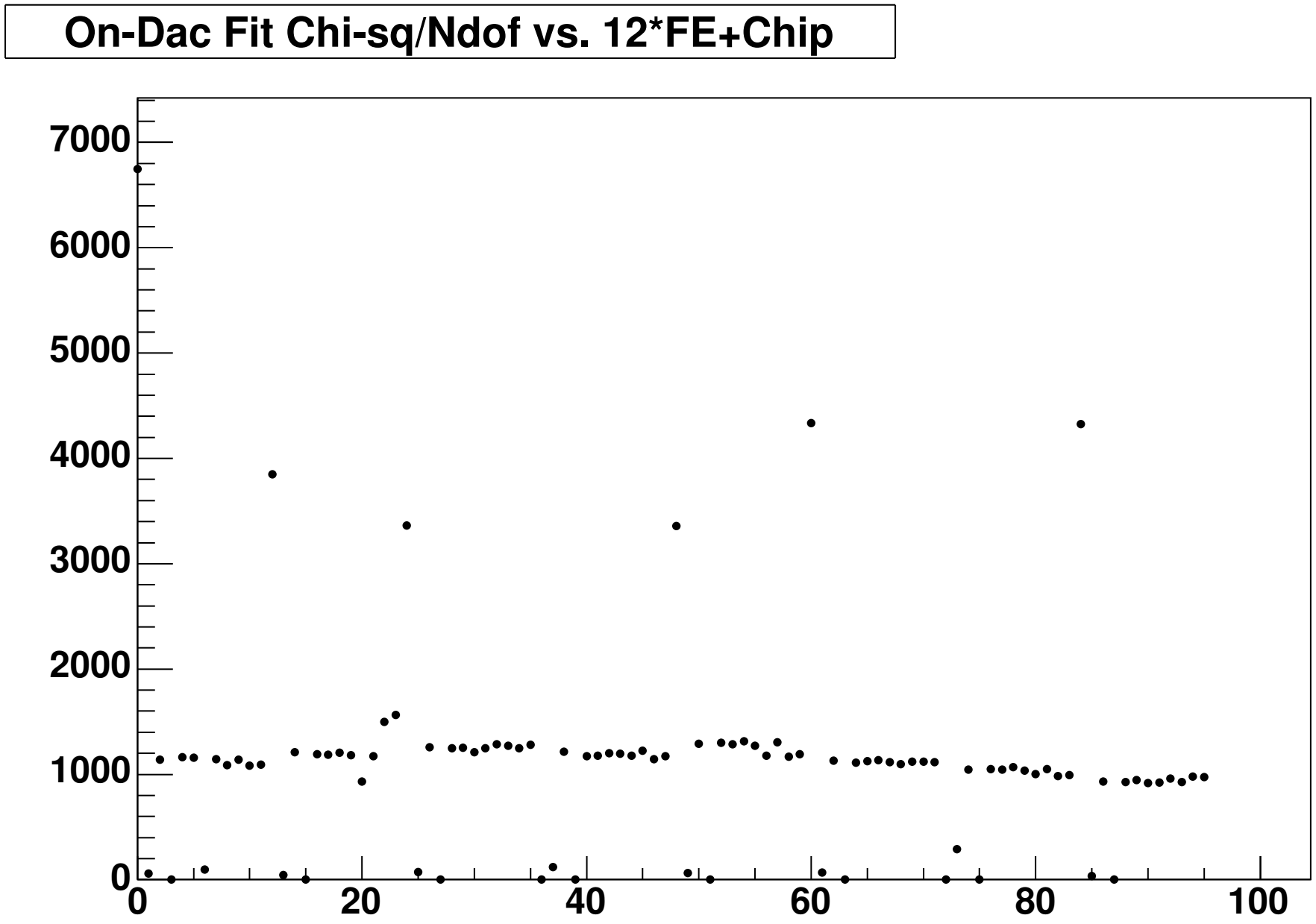

Off-Dac Fit Interpolation vs. 12*FE+Chip
300
250
200
150
100
50
0
-50
-100
0
20
40
60
80
100

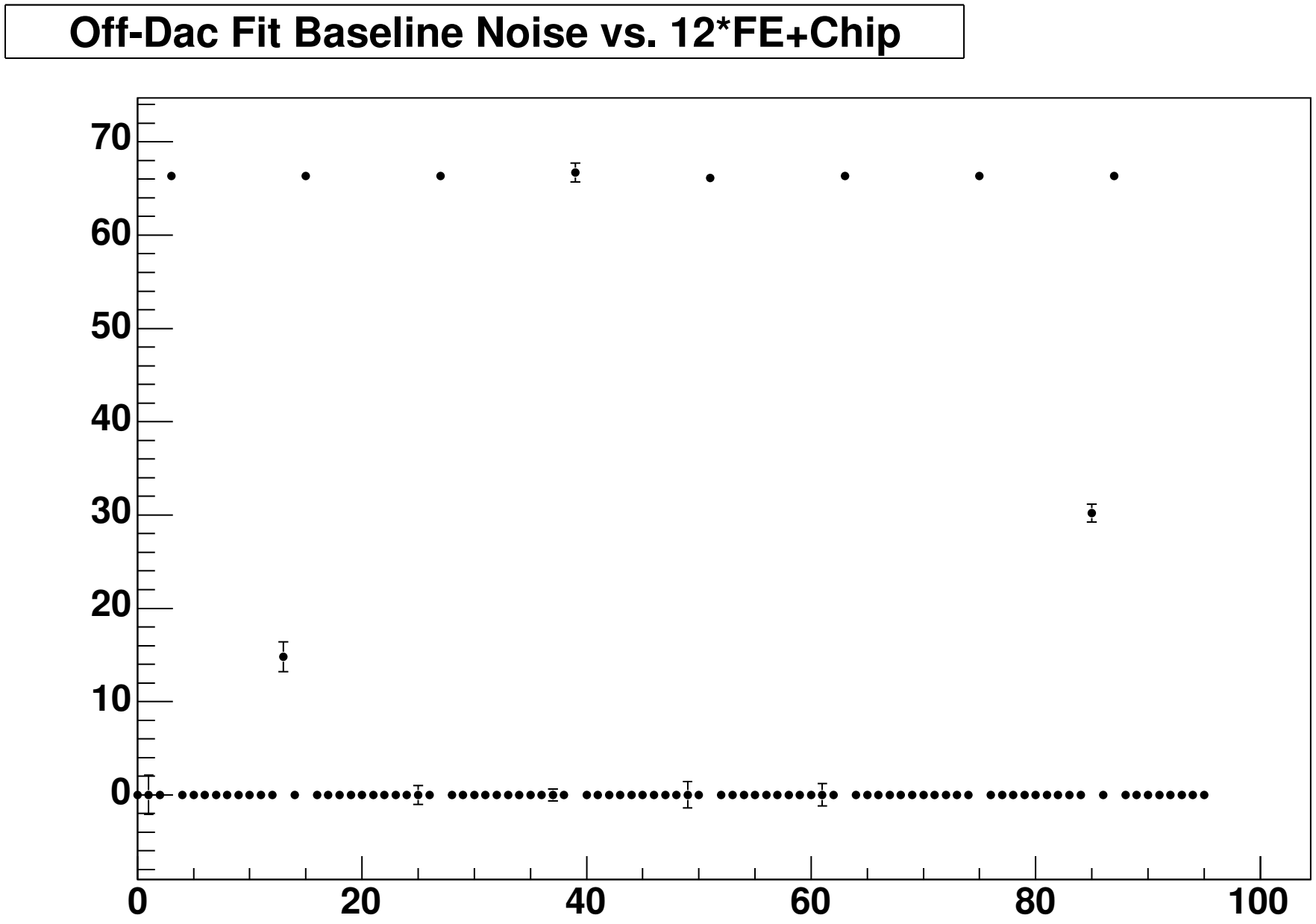

Off-Dac Fit Slope vs. 12*FE+Chip
0.25
0.2
0.15
0.1
0.05
0
0
20
40
60
80
100

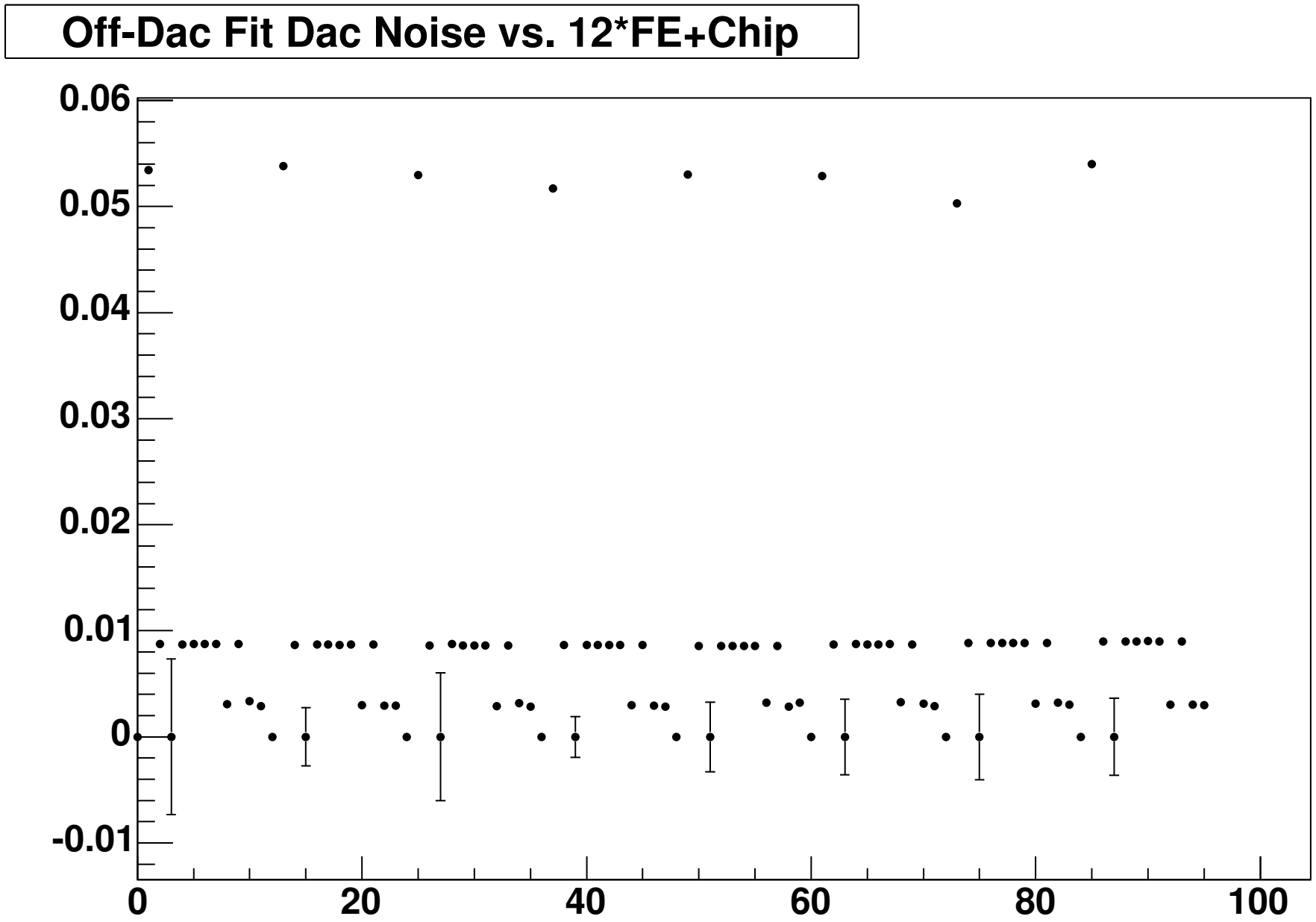

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
10
8
6
4
2
0
0
20
40
60
80
100

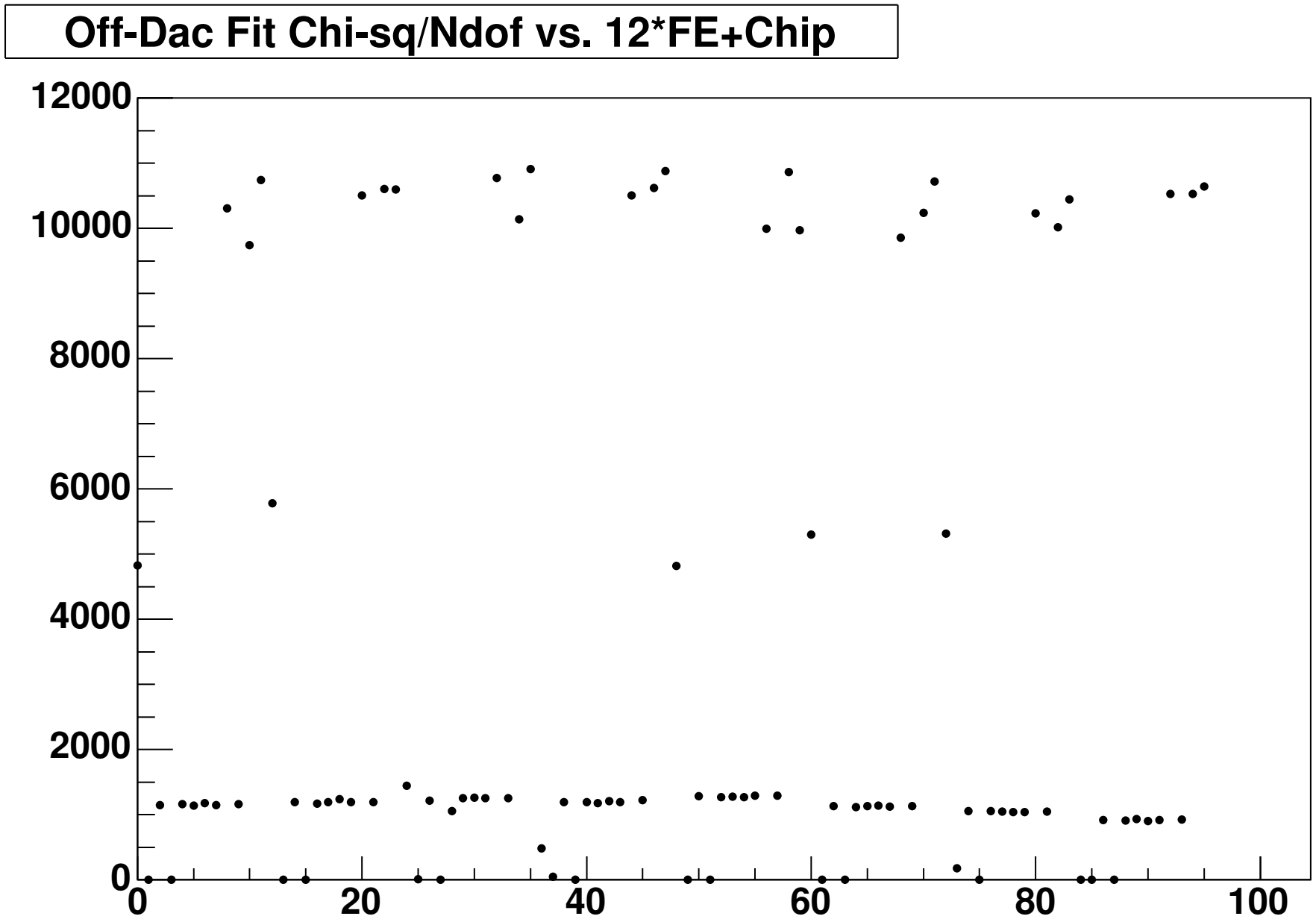

On-Dac Fit Baseline Noise vs. 12*FE+Chip
70
60
50
40
30
20
10
0
0
20
40
60
80
100

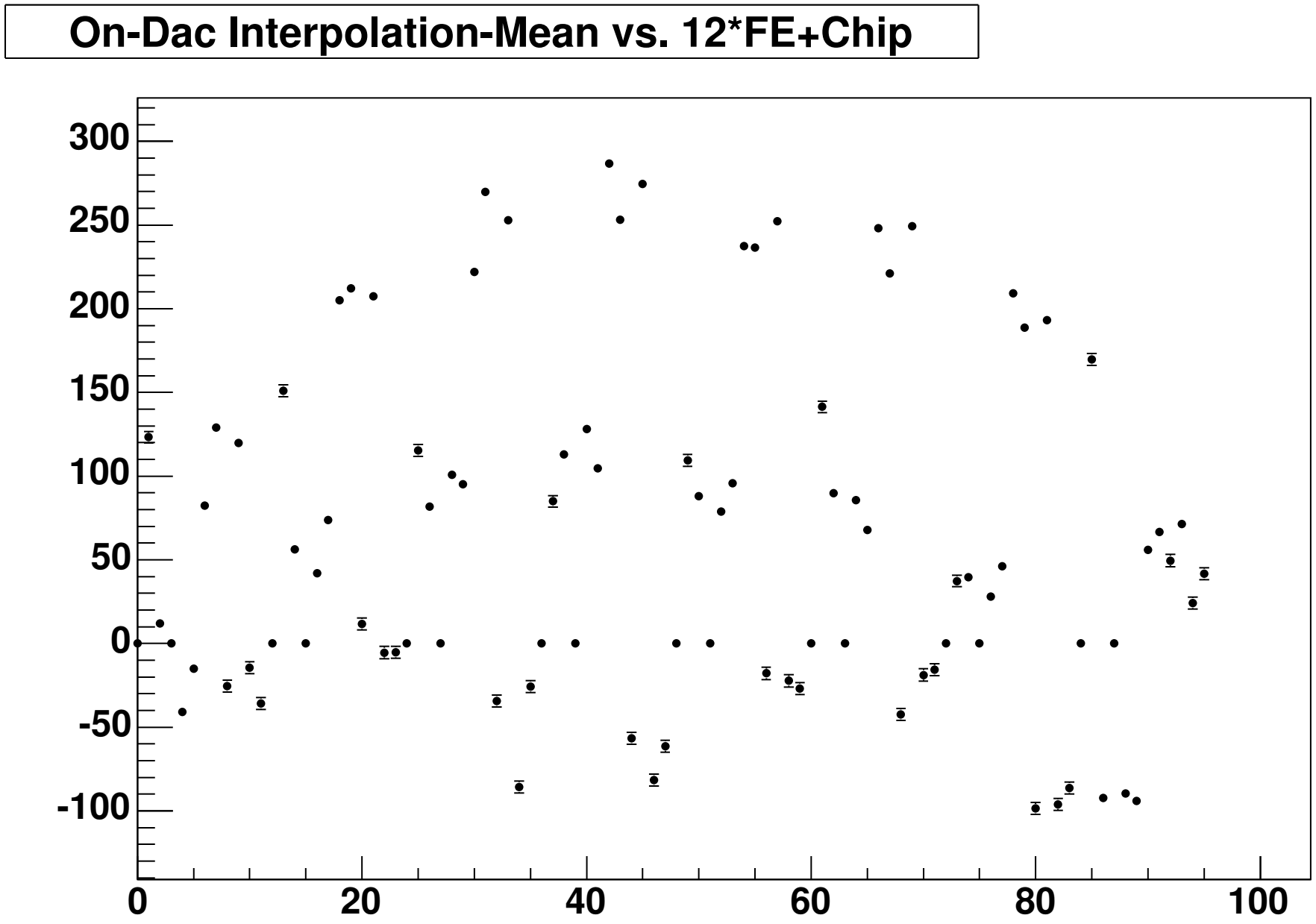

On-Dac Fit Dac Noise vs. 12*FE+Chip
0.01
0.008
0.006
0.004
0.002
0
-0.002
-0.004
-0.006
0
20
40
60
80
100

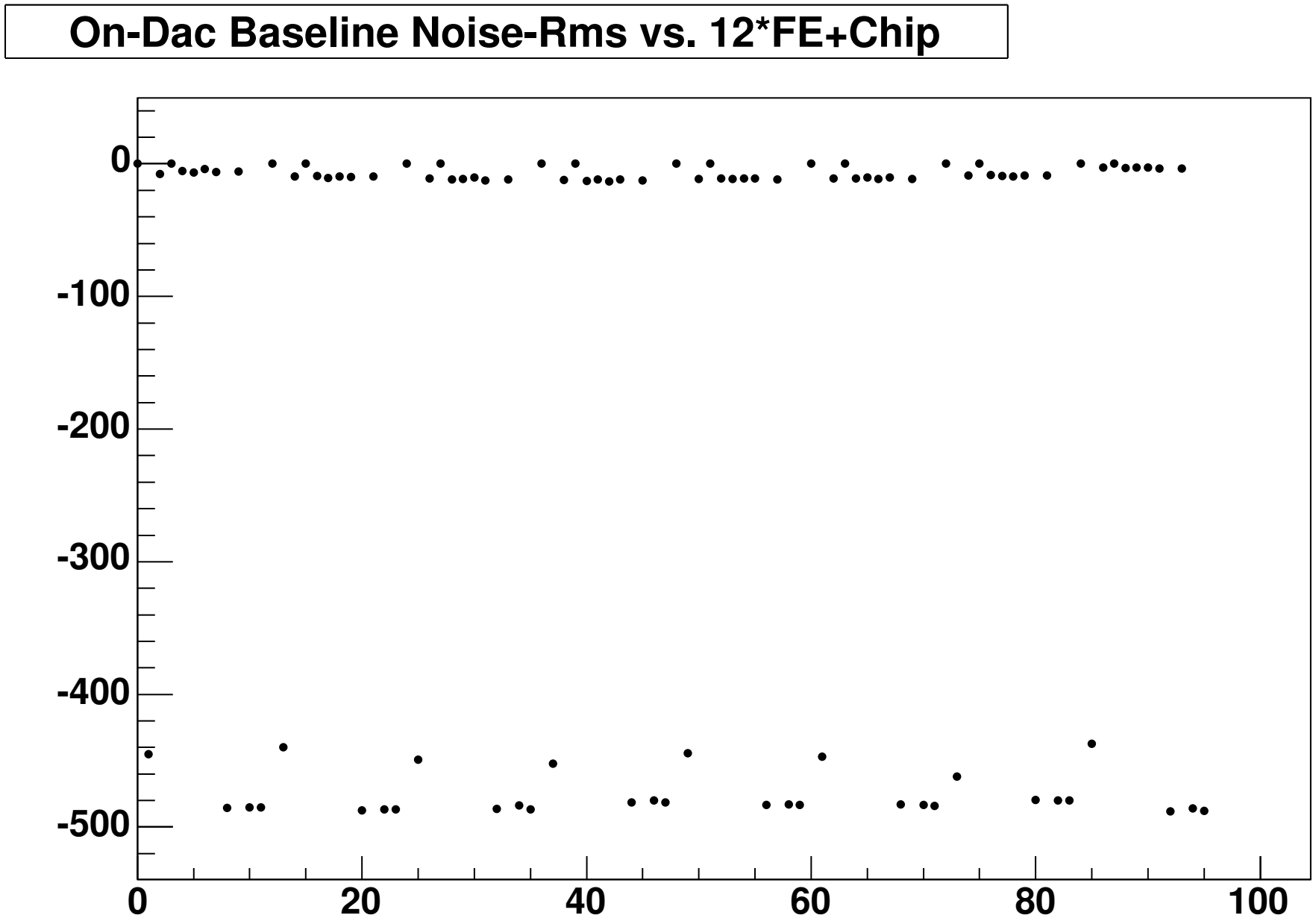

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

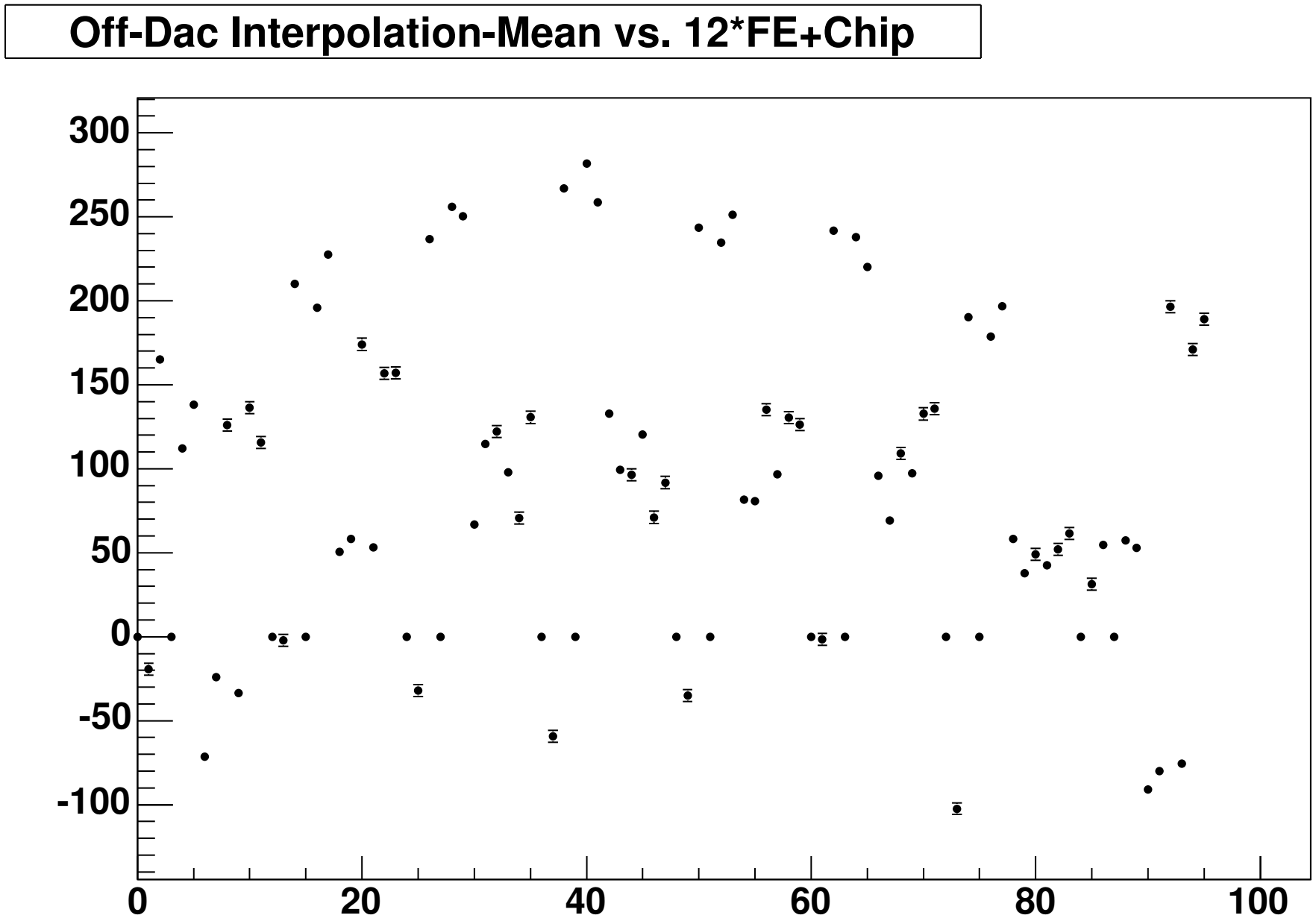

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
70
60
50
40
30
20
10
0
0
20
40
60
80
100

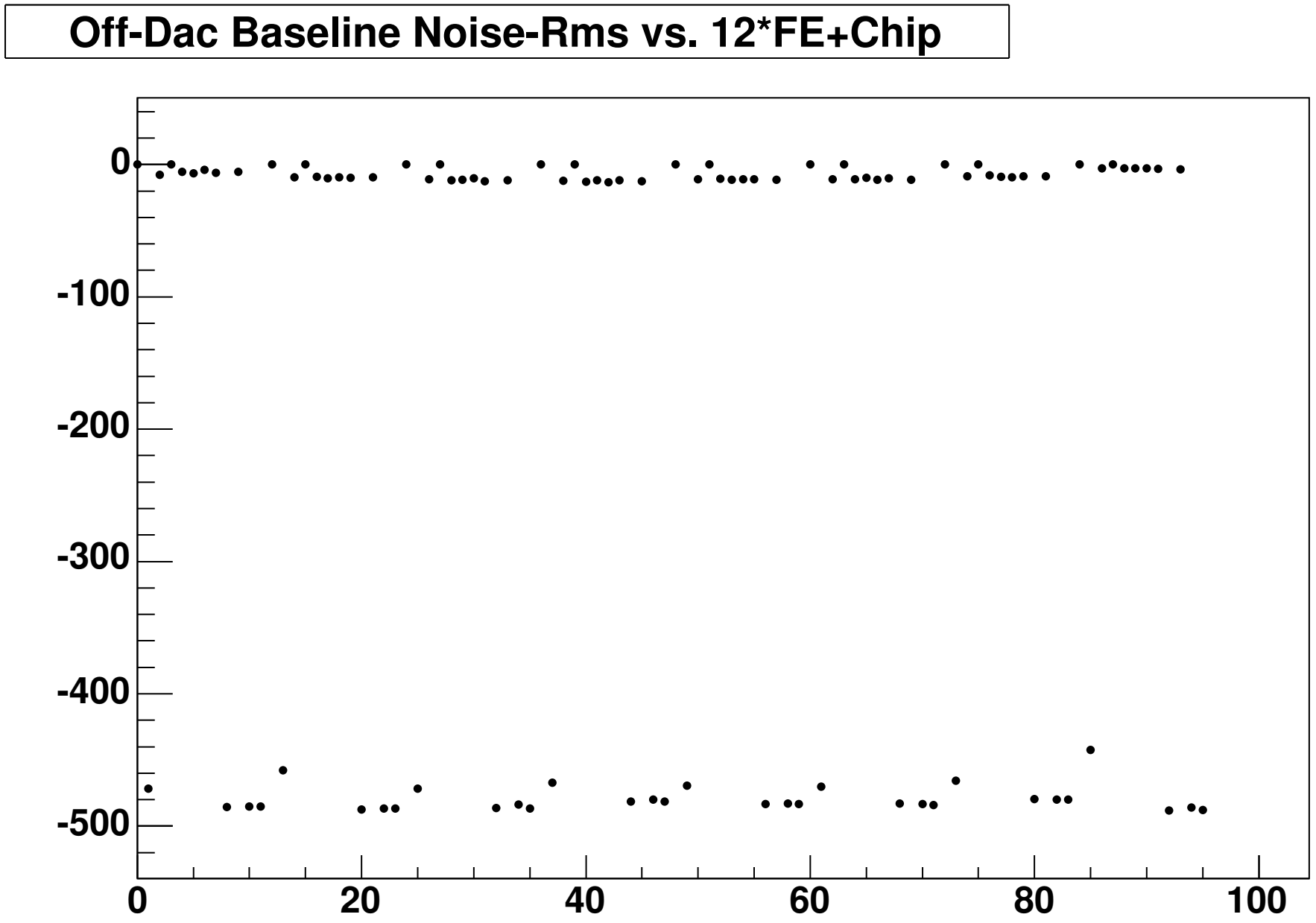

Off-Dac Fit Dac Noise vs. 12*FE+Chip
0.06
0.05
0.04
0.03
0.02
0.01
0
-0.01
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
12000
10000
8000
6000
4000
2000
0
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
300
250
200
150
100
50
0
-50
-100
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-100
-200
-300
-400
-500
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
300
250
200
150
100
50
0
-50
-100
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-100
-200
-300
-400
-500
0
20
40
60
80
100