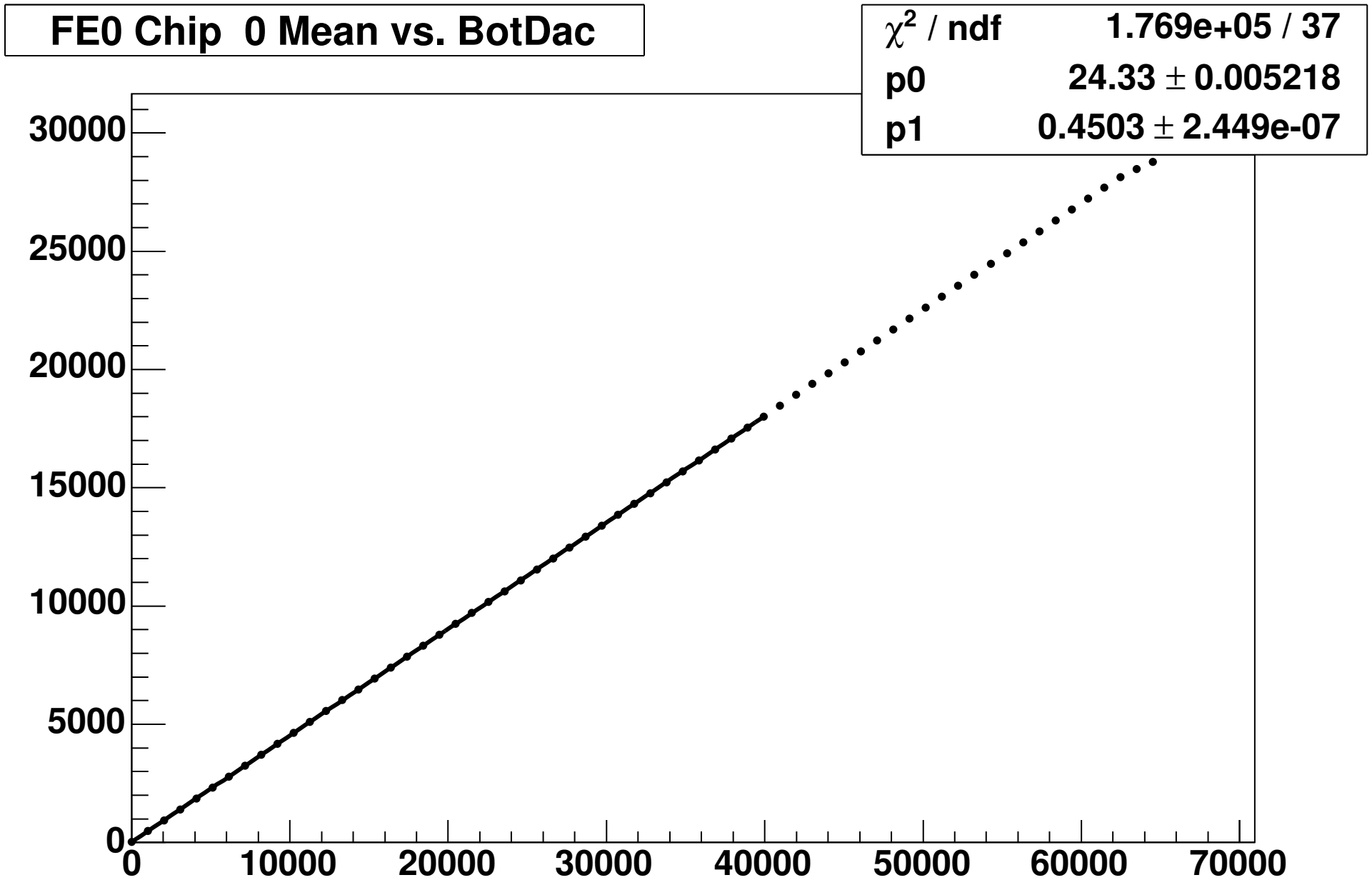
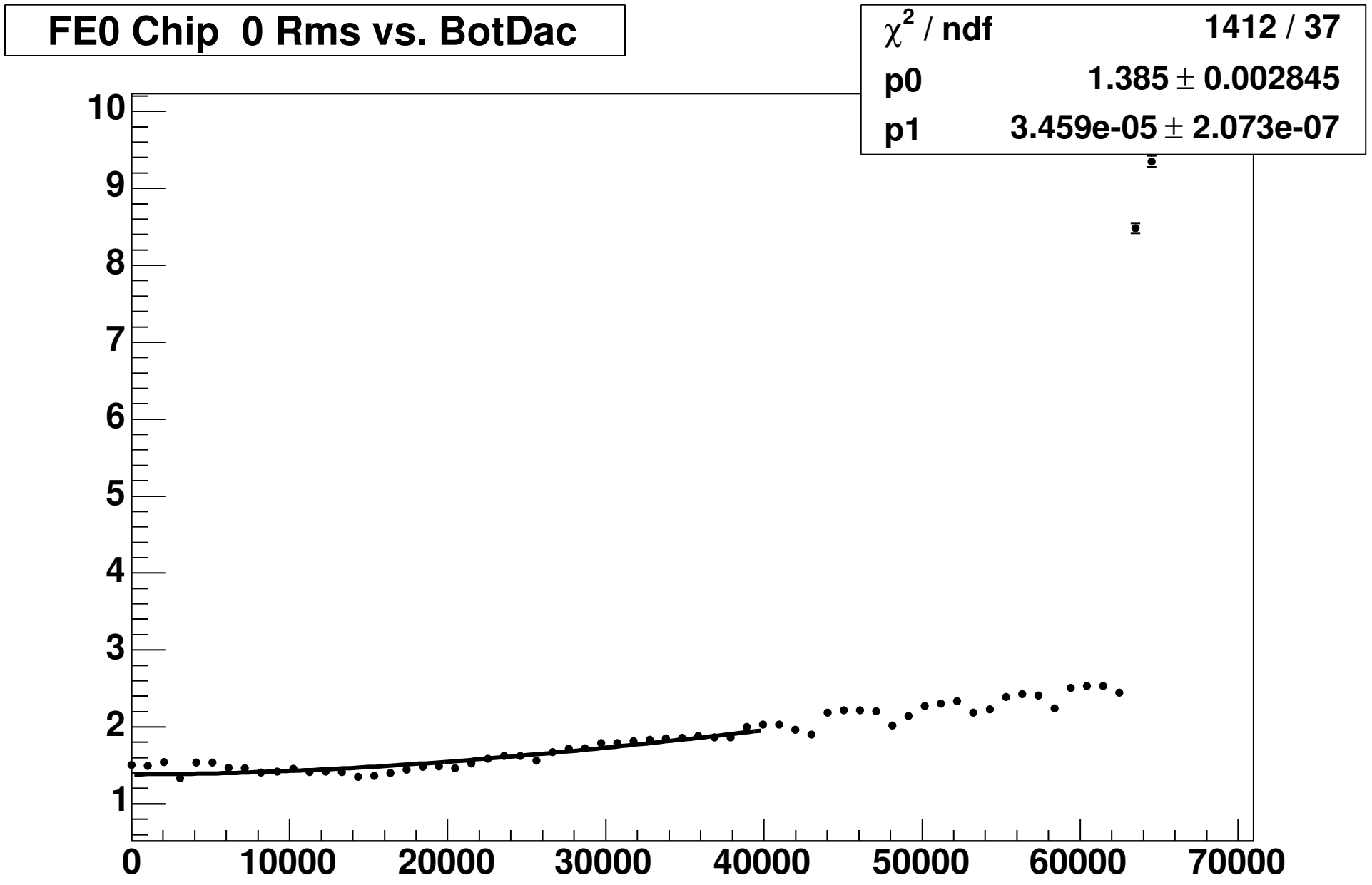
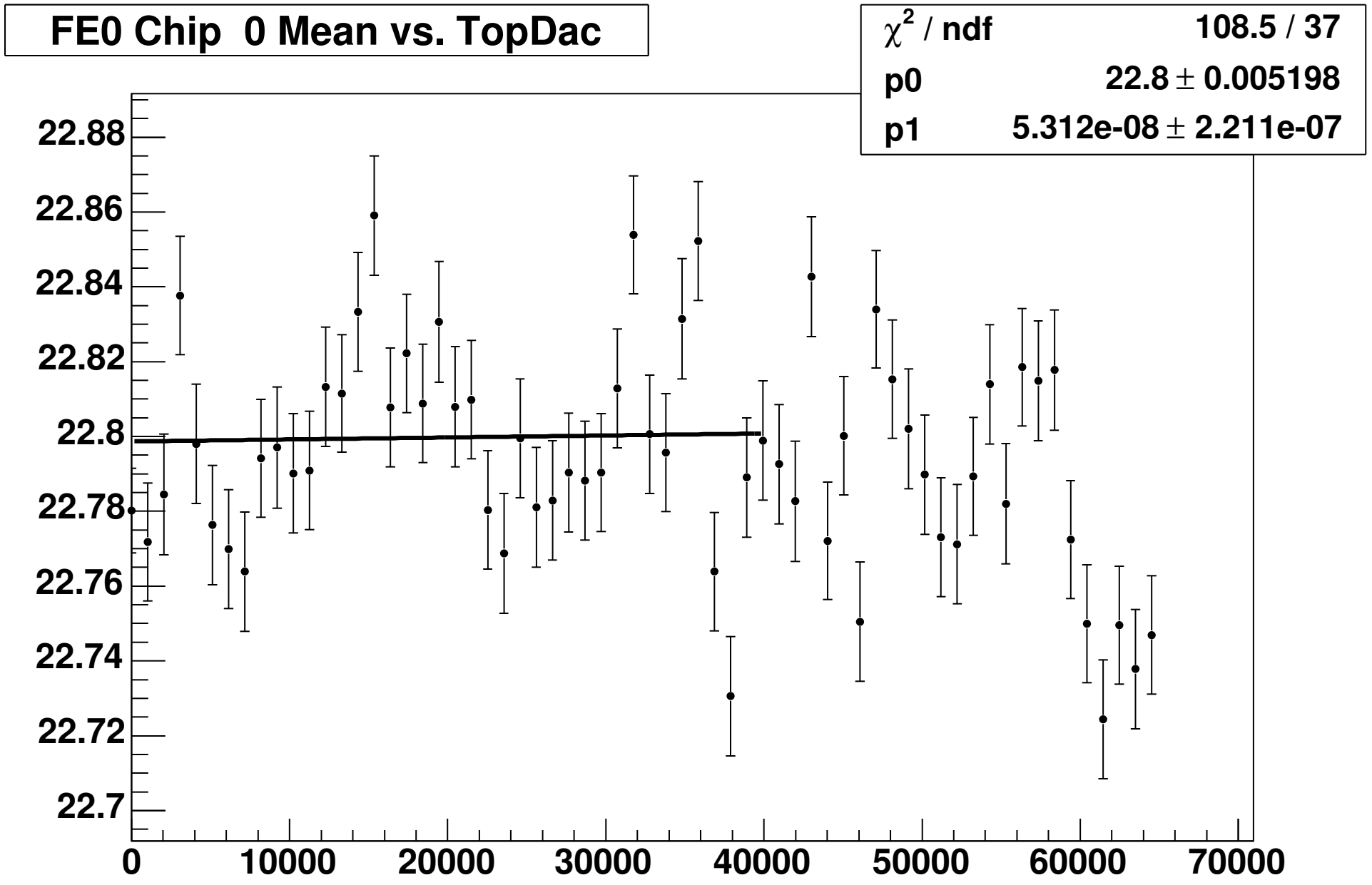
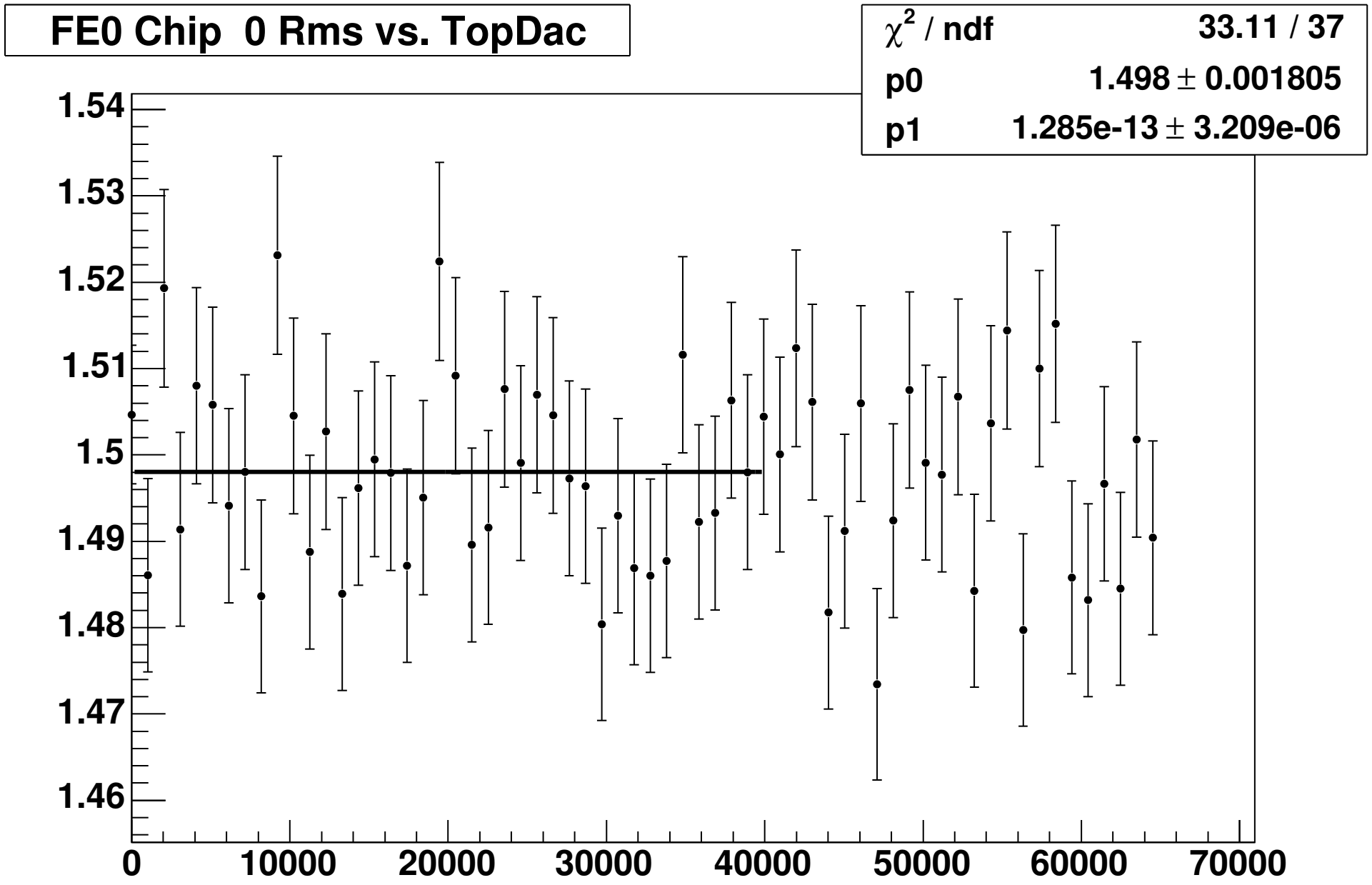
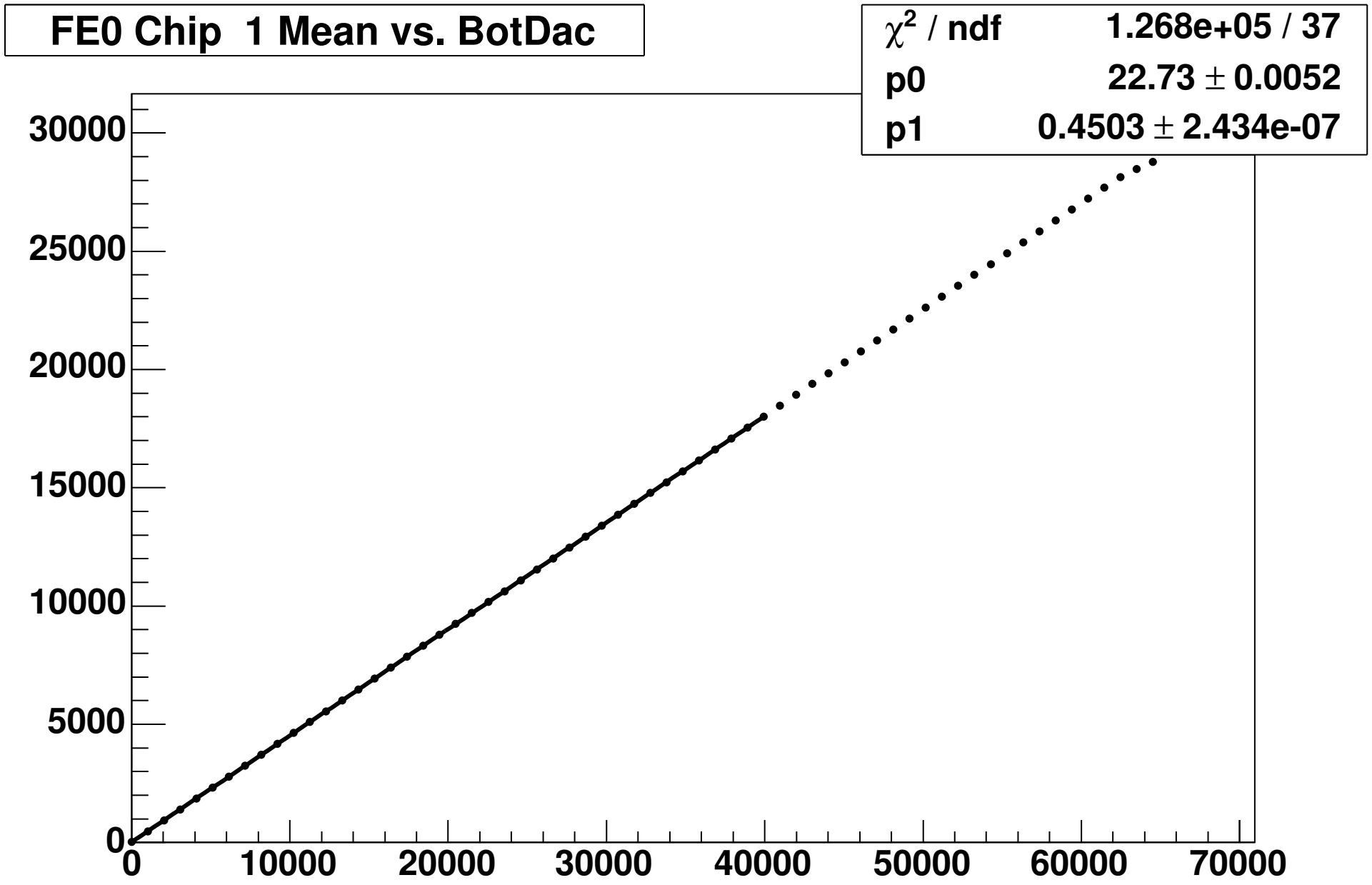
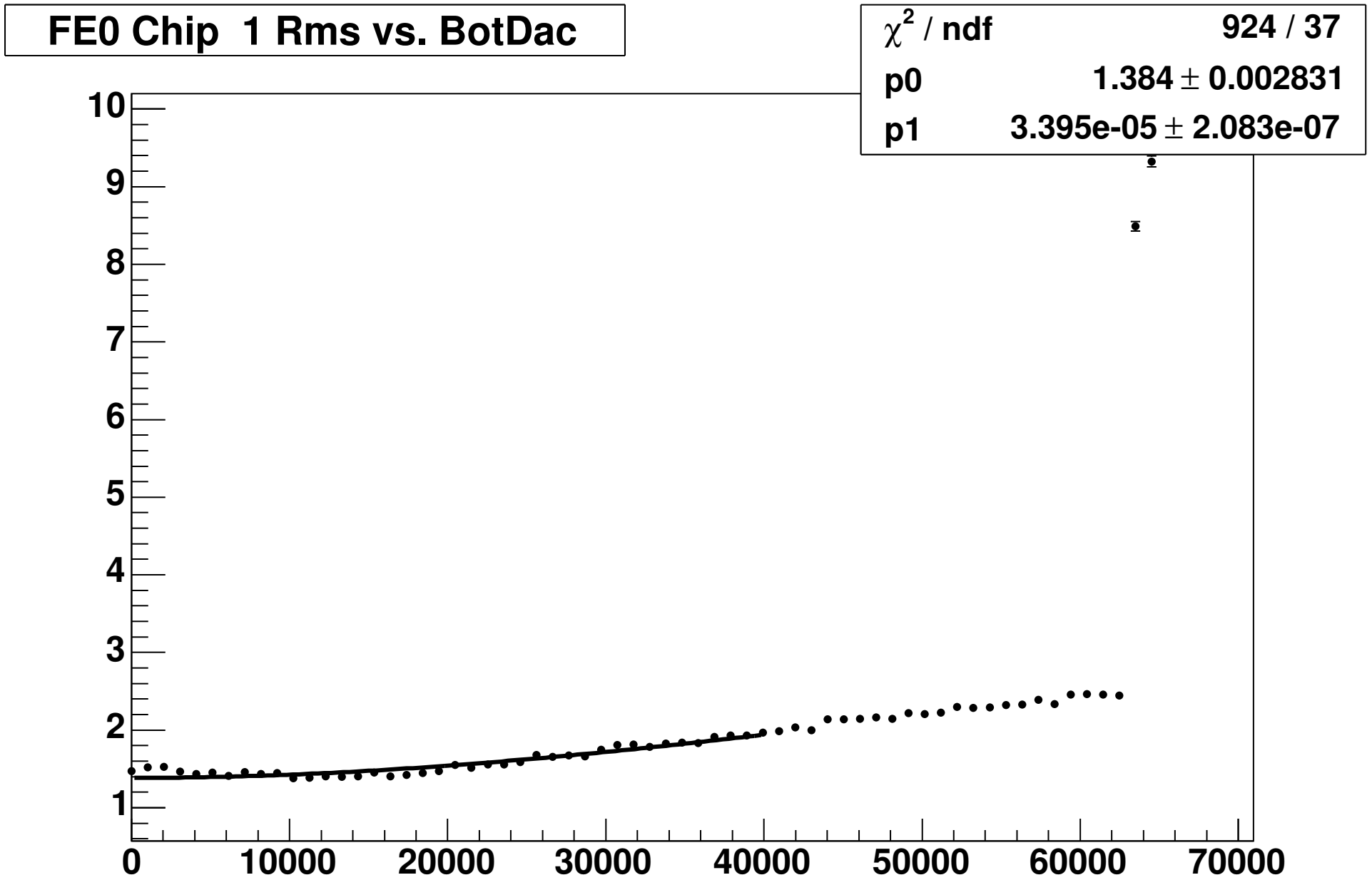

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.769e+05 / 37
p0 24.33 ± 0.005218
p1 0.4503 ± 2.449e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

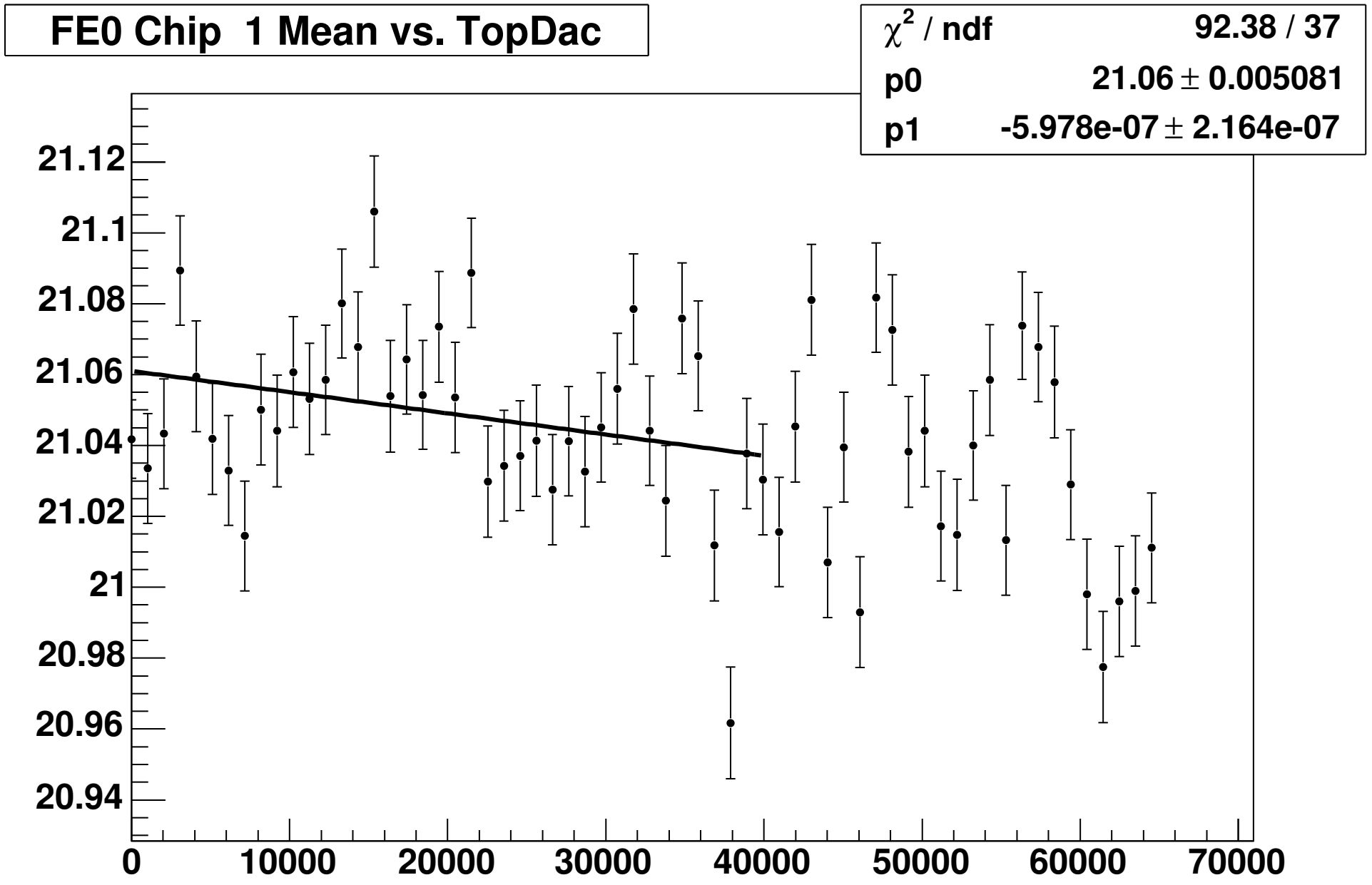

FE0 Chip 0 Rms vs. BotDac
χ² / ndf 1412 / 37
p0 1.385 ± 0.002845
p1 3.459e-05 ± 2.073e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

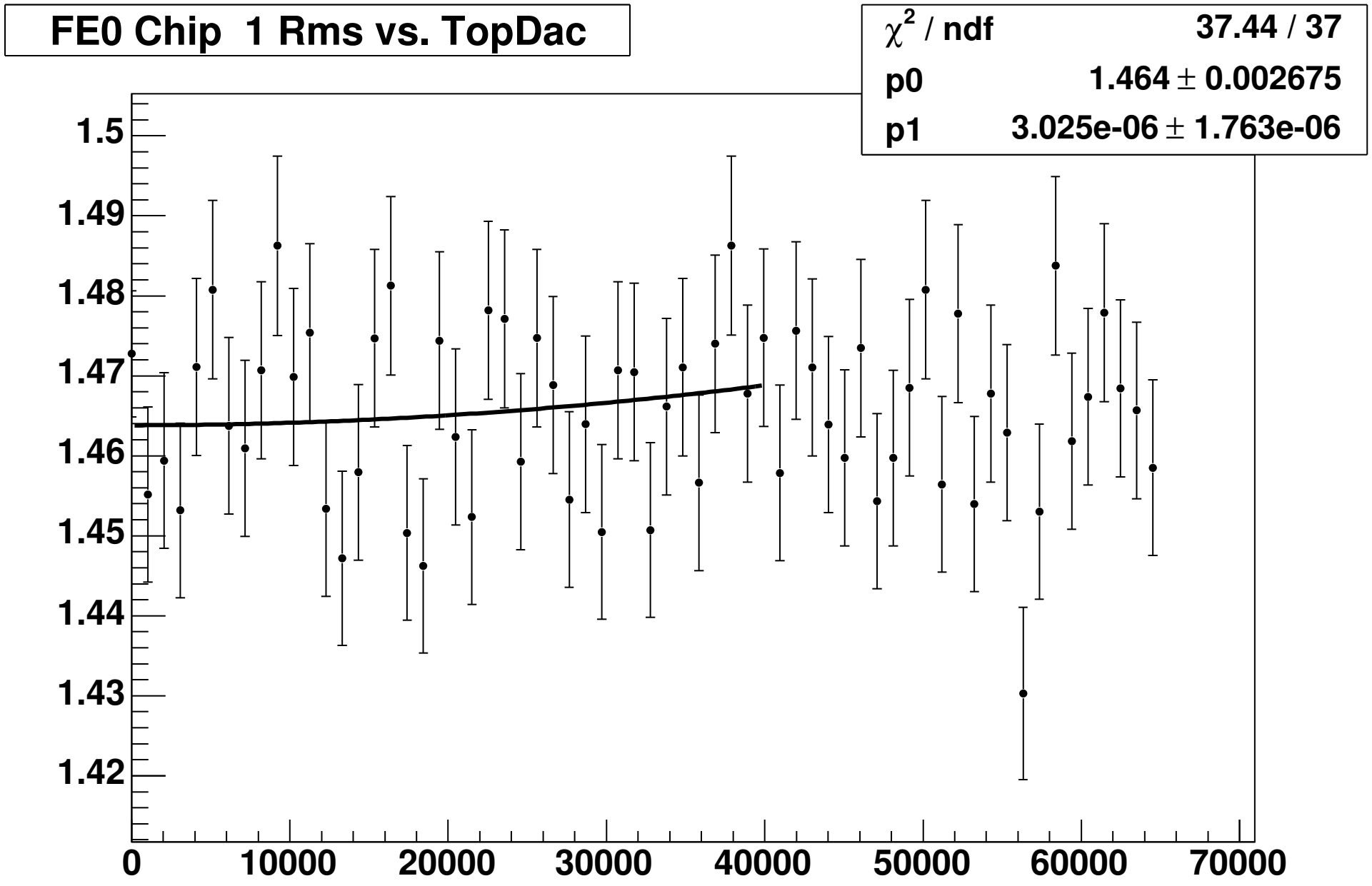

FE0 Chip 0 Mean vs. TopDac
χ² / ndf 108.5 / 37
p0 22.8 ± 0.005198
p1 5.312e-08 ± 2.211e-07
22.88
22.86
22.84
22.82
22.8
22.78
22.76
22.74
22.72
22.7
0
10000
20000
30000
40000
50000
60000
70000

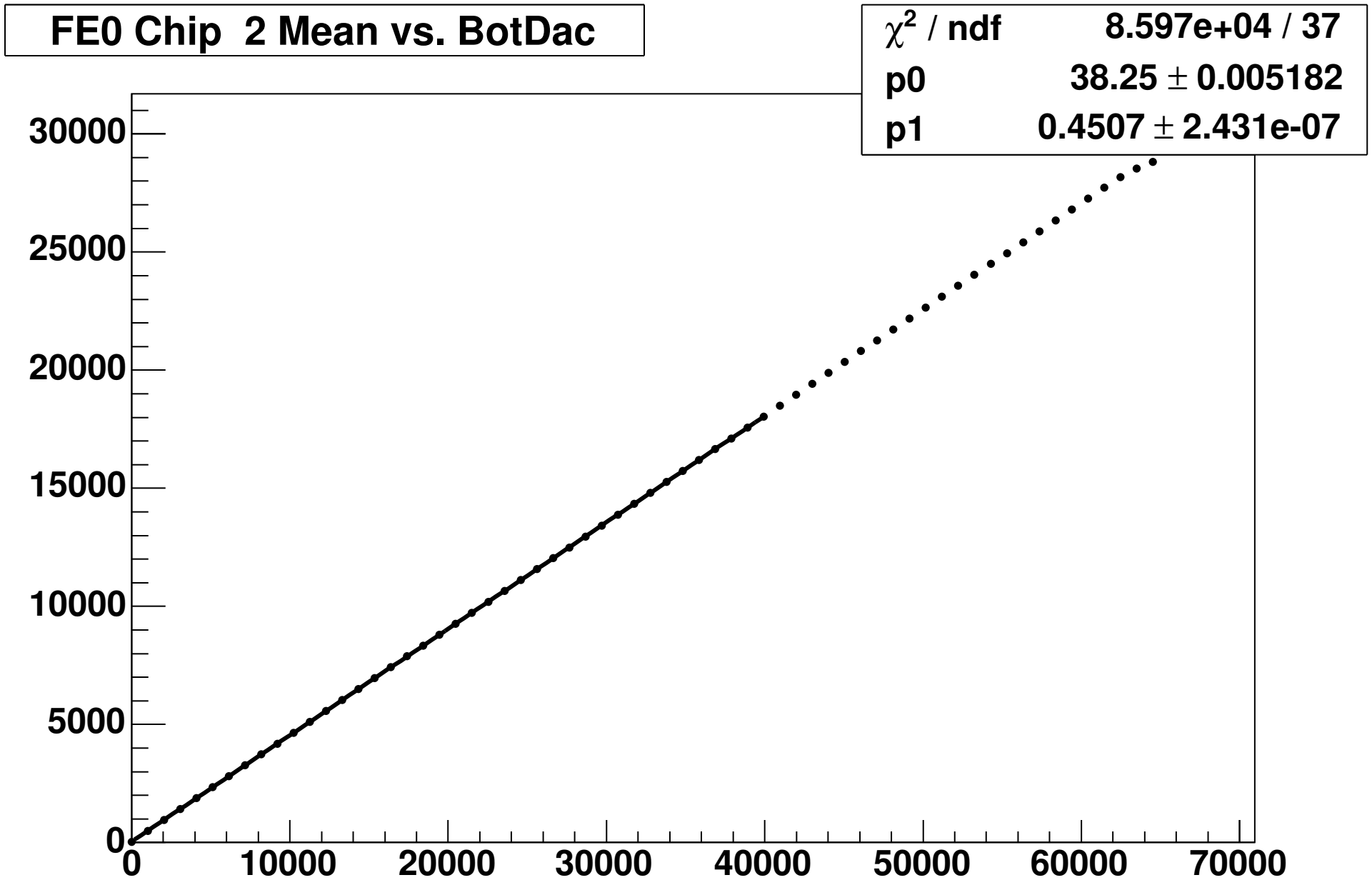

FE0 Chip 0 Rms vs. TopDac
χ² / ndf 33.11 / 37
p0 1.498 ± 0.001805
p1 1.285e-13 ± 3.209e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

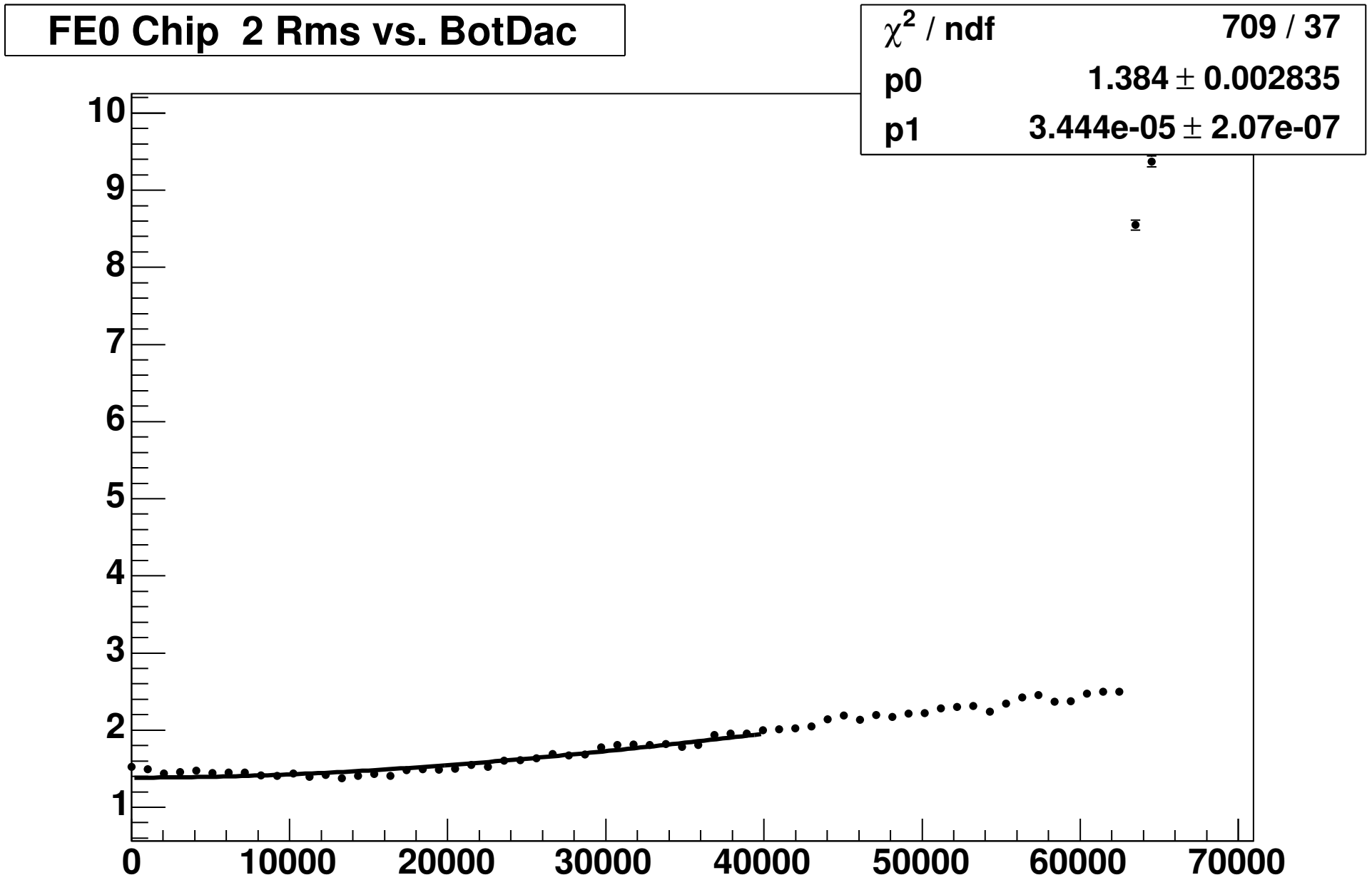

FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.268e+05 / 37
p0 22.73 ± 0.0052
p1 0.4503 ± 2.434e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

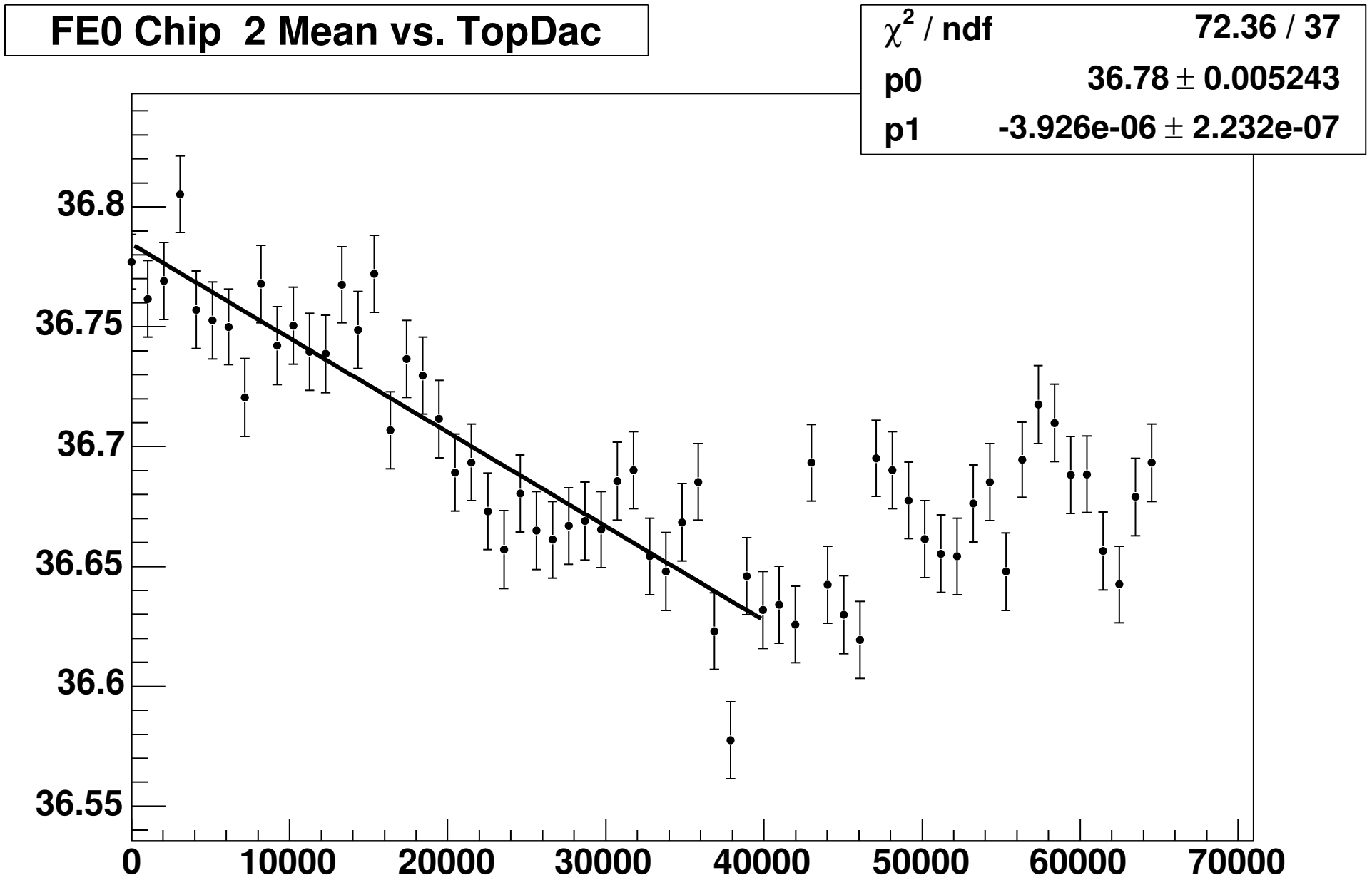

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 924 / 37
p0 1.384 ± 0.002831
p1 3.395e-05 ± 2.083e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

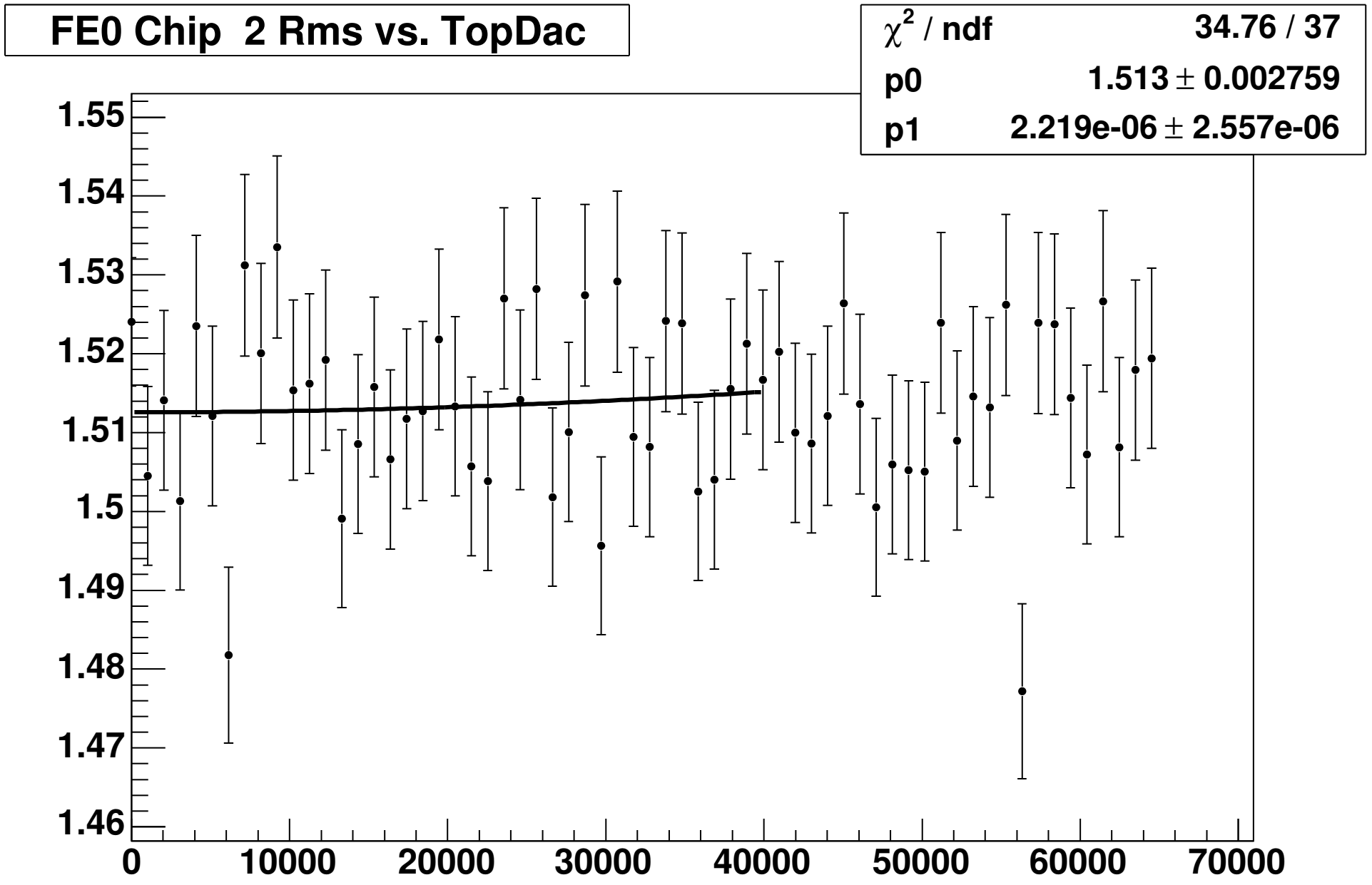

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 92.38 / 37
p0 21.06 ± 0.005081
p1 -5.978e-07 ± 2.164e-07
21.12
21.1
21.08
21.06
21.04
21.02
21
20.98
20.96
20.94
0
10000
20000
30000
40000
50000
60000
70000

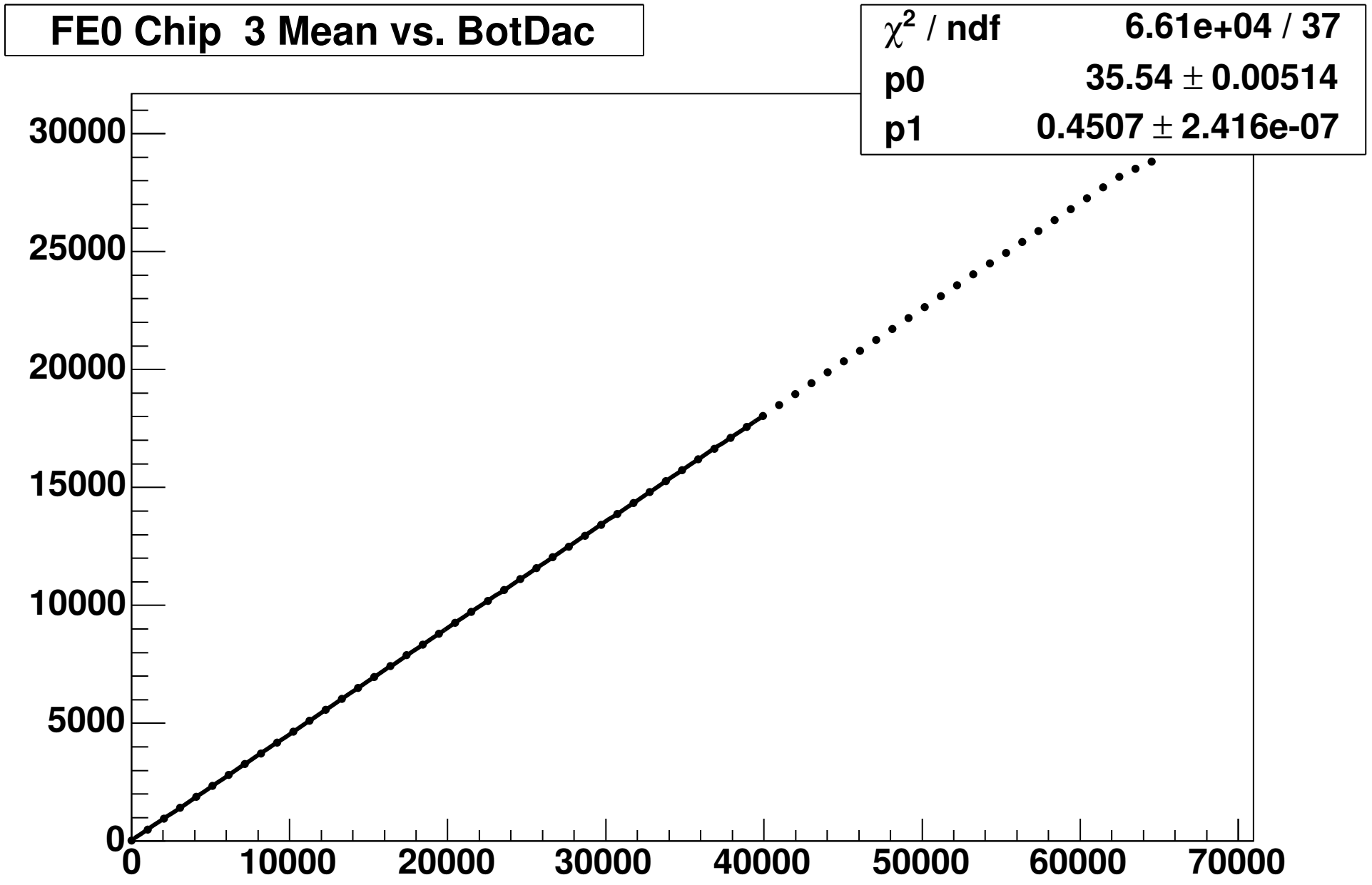

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 37.44 / 37
p0 1.464 ± 0.002675
p1 3.025e-06 ± 1.763e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

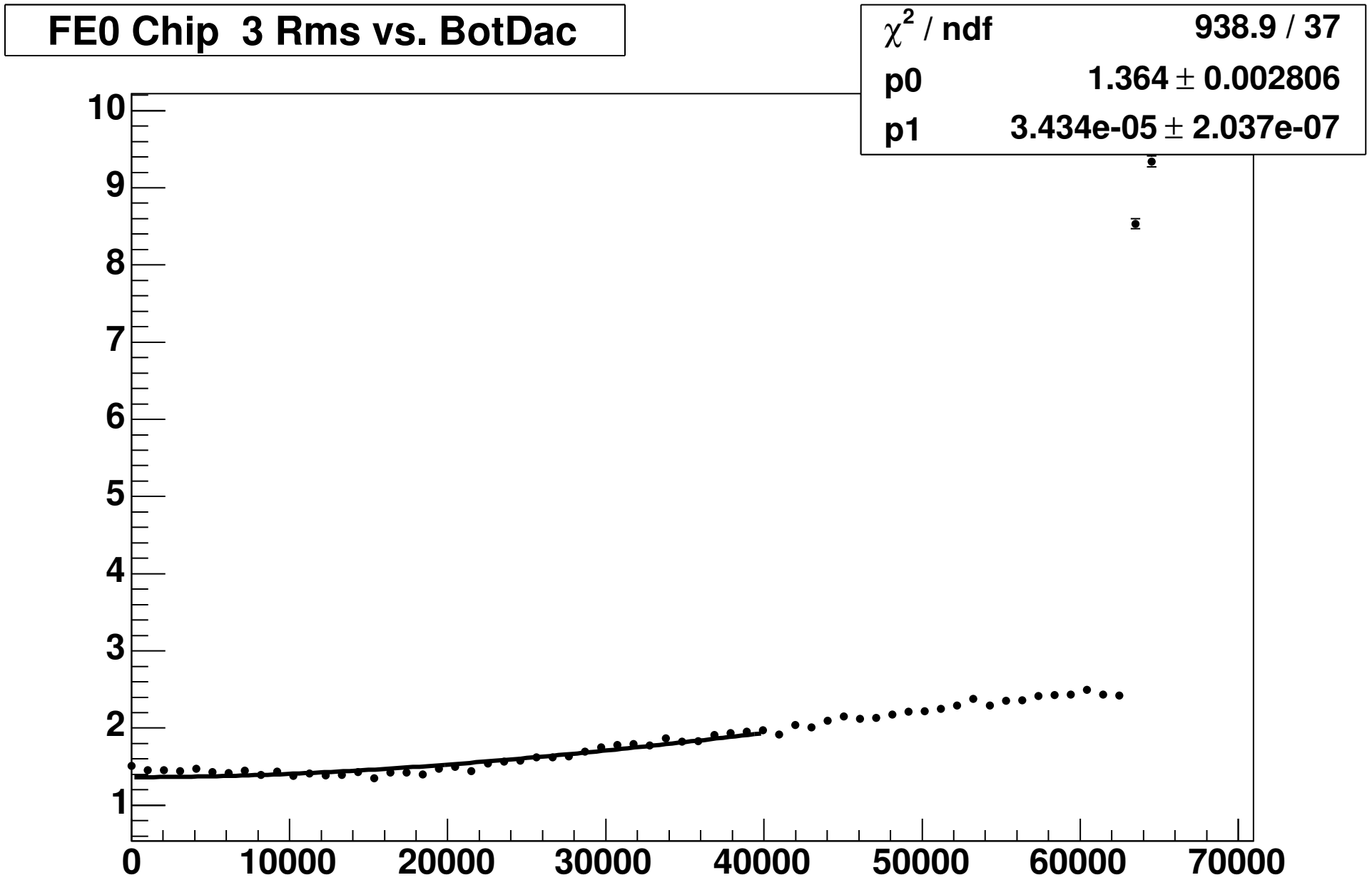

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 8.597e+04 / 37
p0 38.25 ± 0.005182
p1 0.4507 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

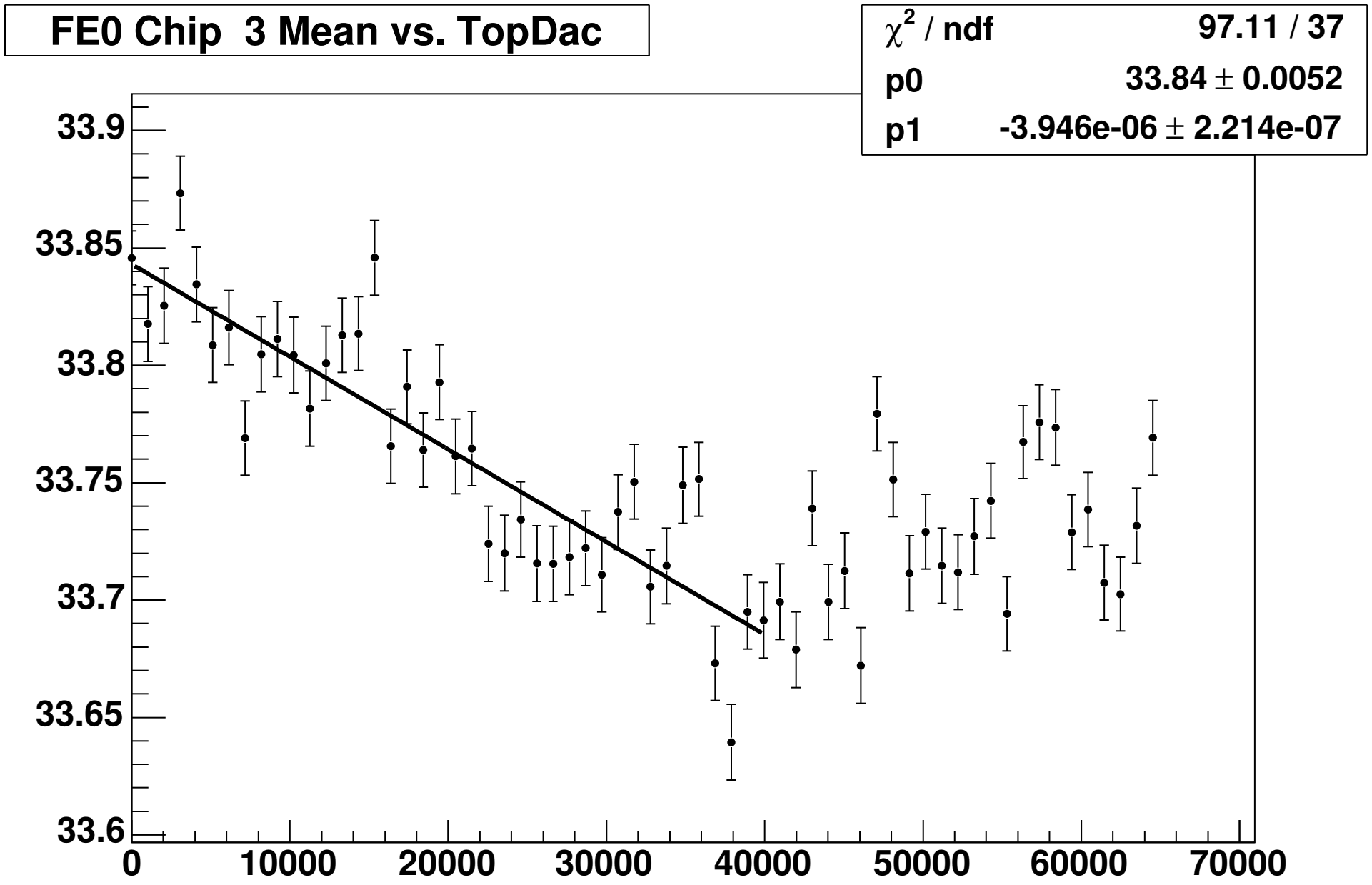

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 709 / 37
p0 1.384 ± 0.002835
p1 3.444e-05 ± 2.07e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

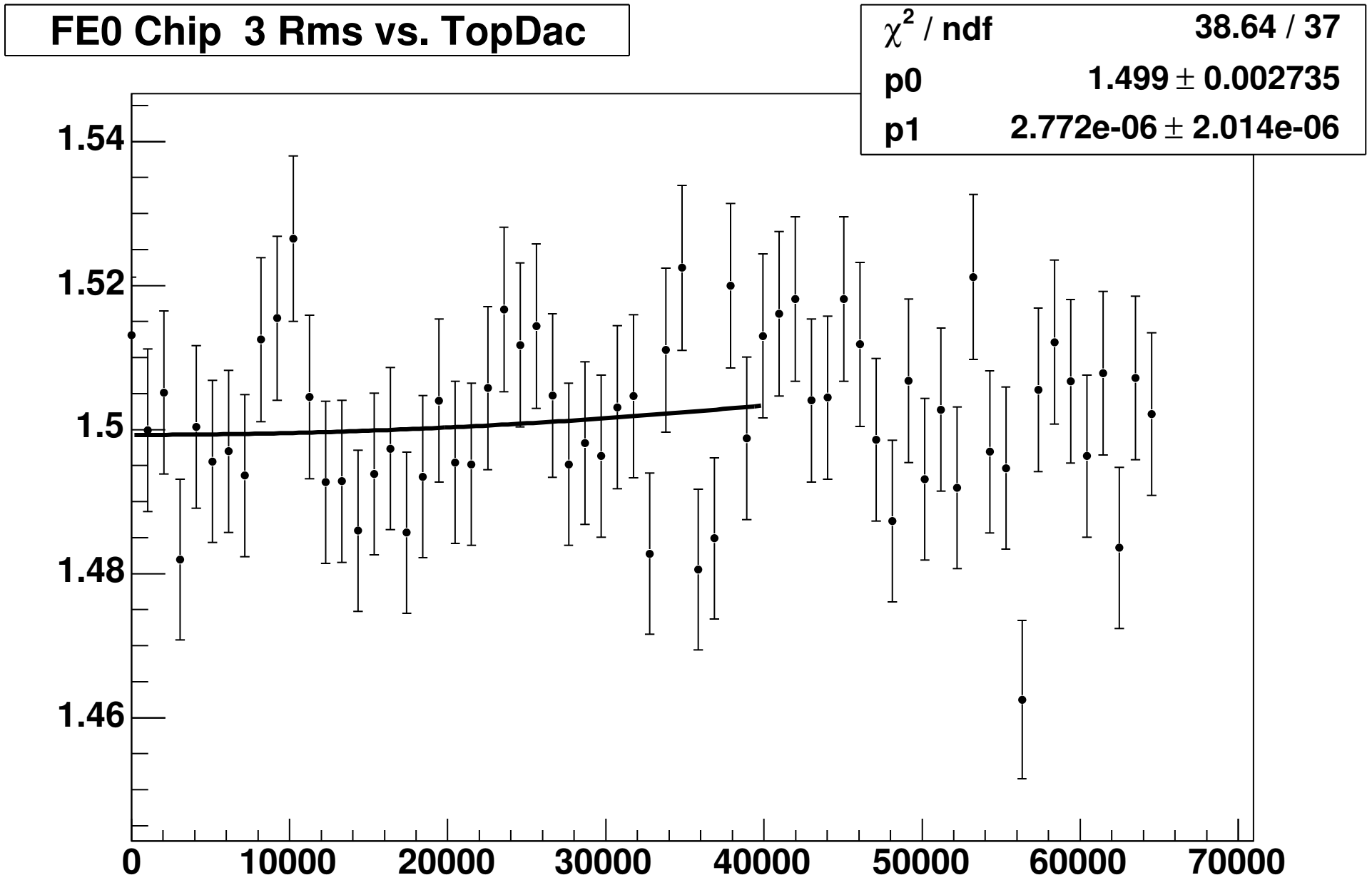

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 72.36 / 37
p0 36.78 ± 0.005243
p1 -3.926e-06 ± 2.232e-07
36.8
36.75
36.7
36.65
36.6
36.55
0
10000
20000
30000
40000
50000
60000
70000

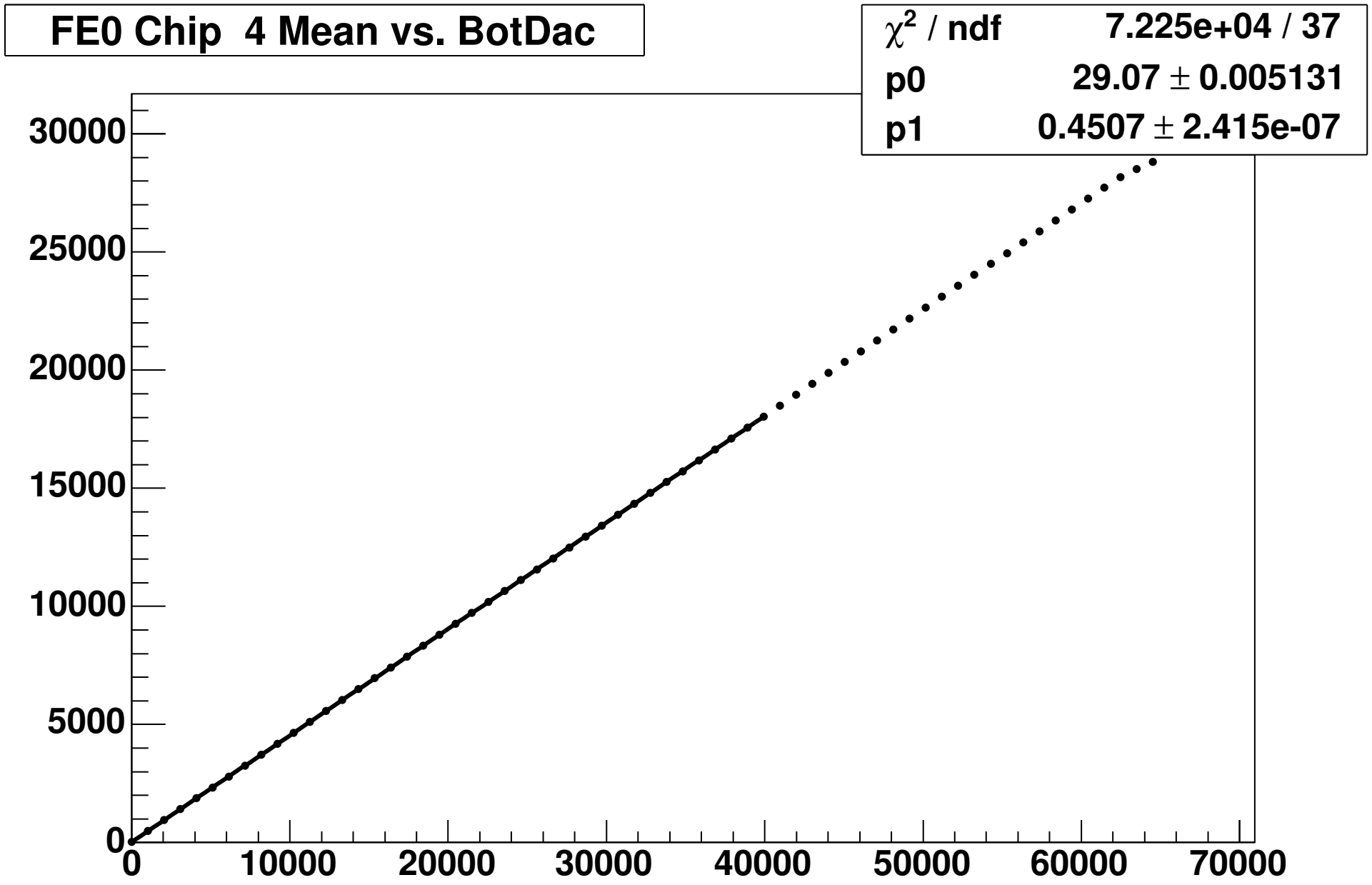

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 34.76 / 37
p0 1.513 ± 0.002759
p1 2.219e-06 ± 2.557e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

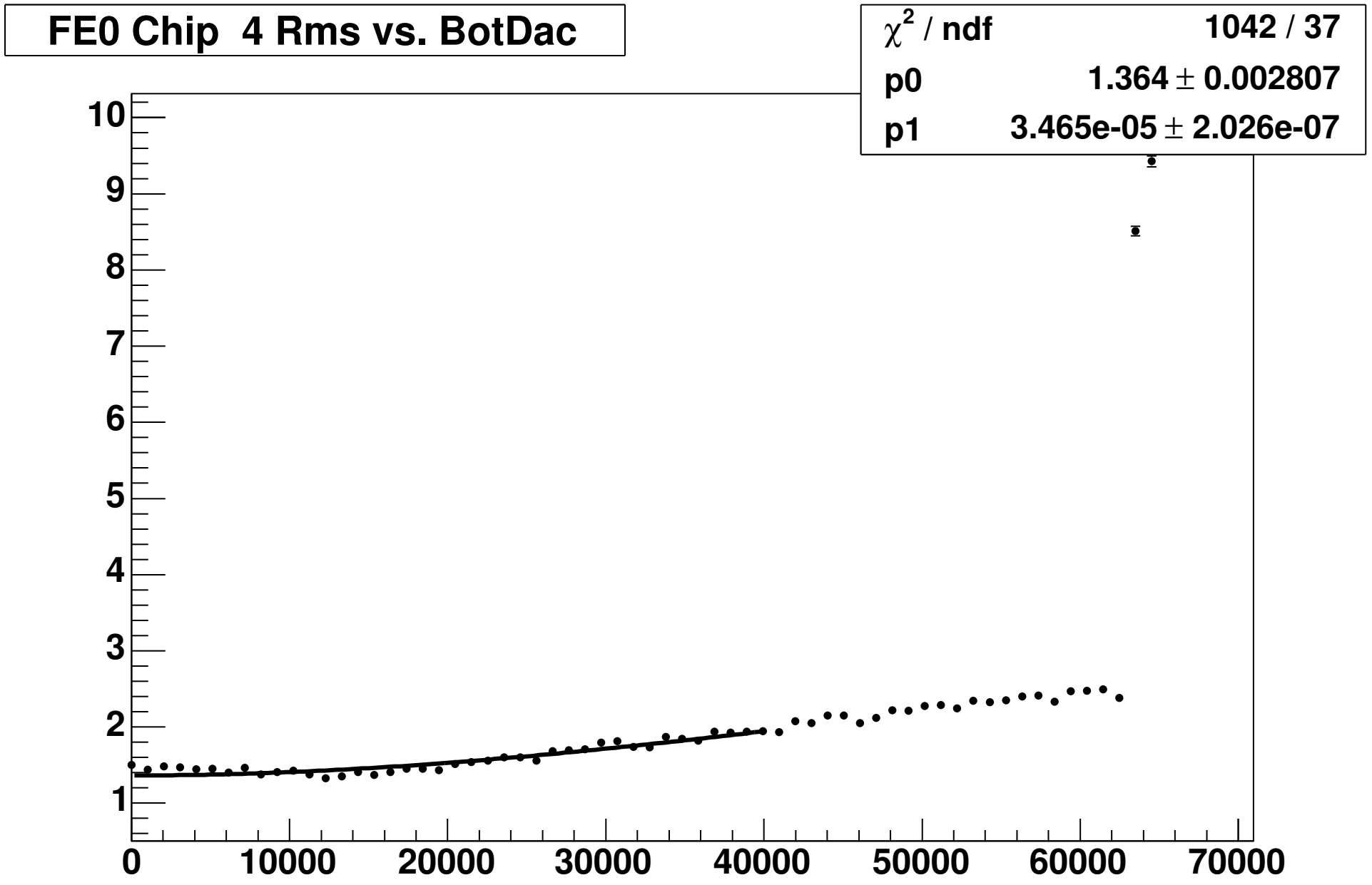

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 6.61e+04 / 37
p0 35.54 ± 0.00514
p1 0.4507 ± 2.416e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

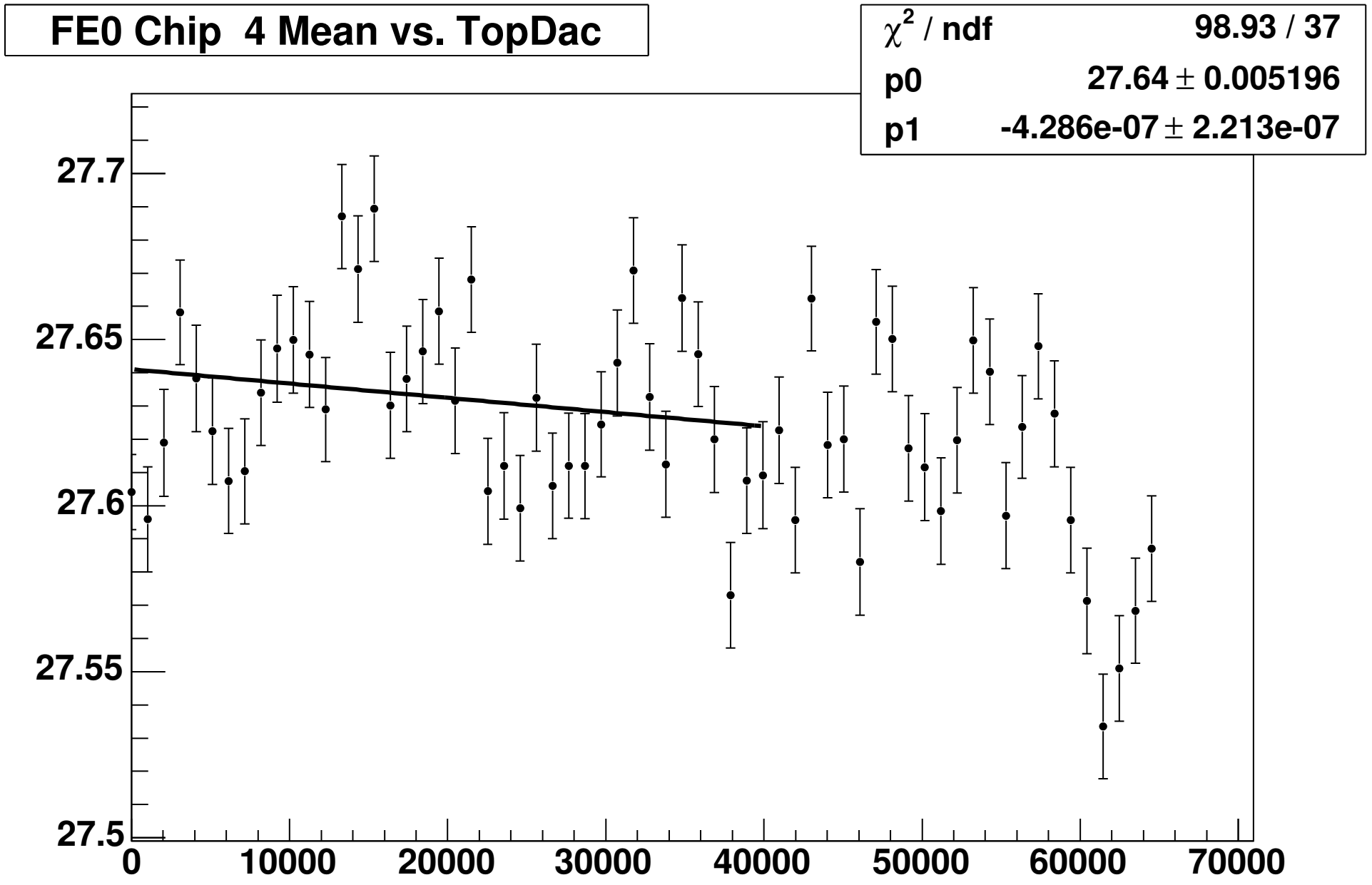

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 938.9 / 37
p0 1.364 ± 0.002806
p1 3.434e-05 ± 2.037e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

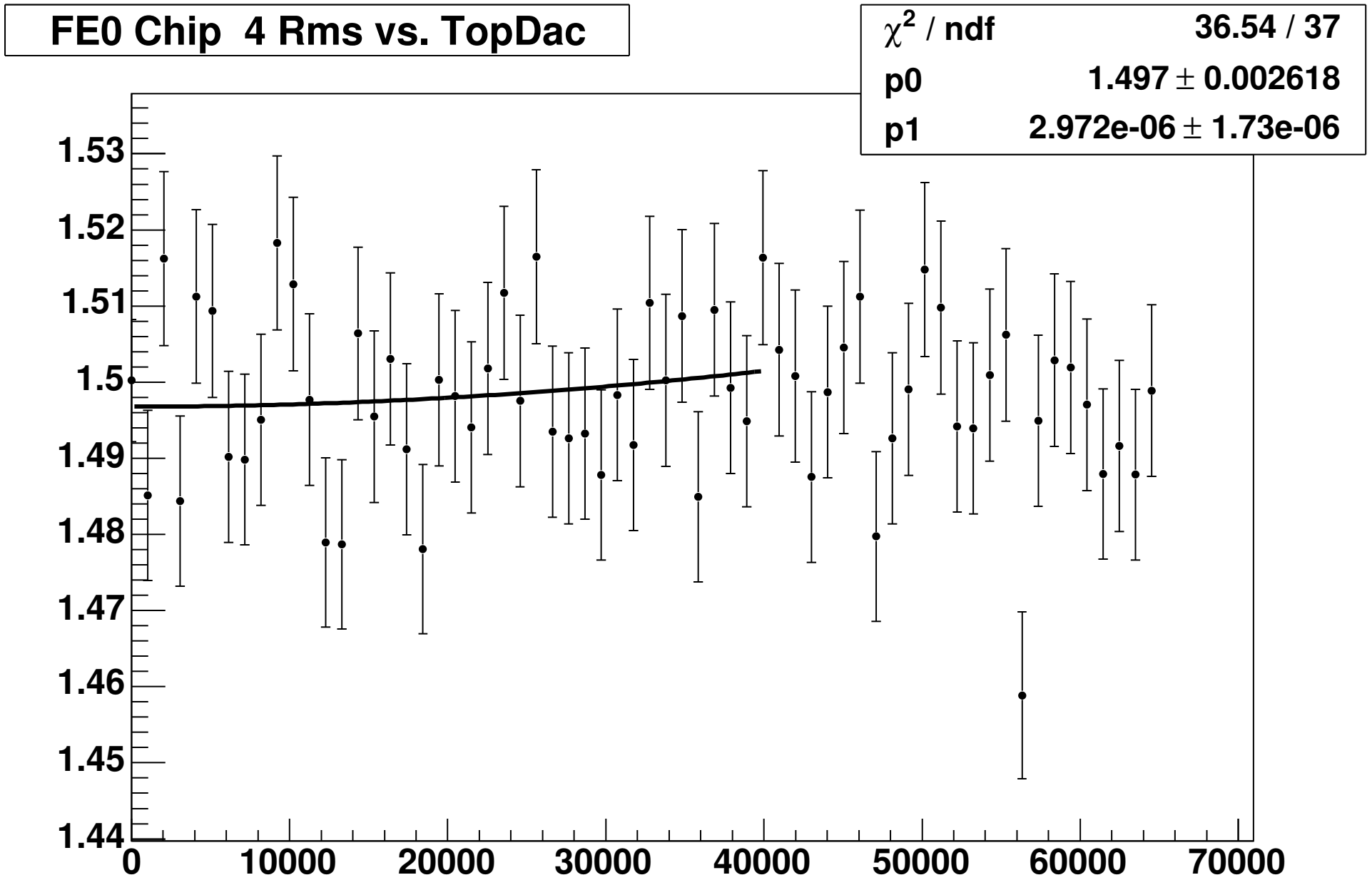

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 97.11 / 37
p0 33.84 ± 0.0052
p1 -3.946e-06 ± 2.214e-07
33.9
33.85
33.8
33.75
33.7
33.65
33.6
0
10000
20000
30000
40000
50000
60000
70000

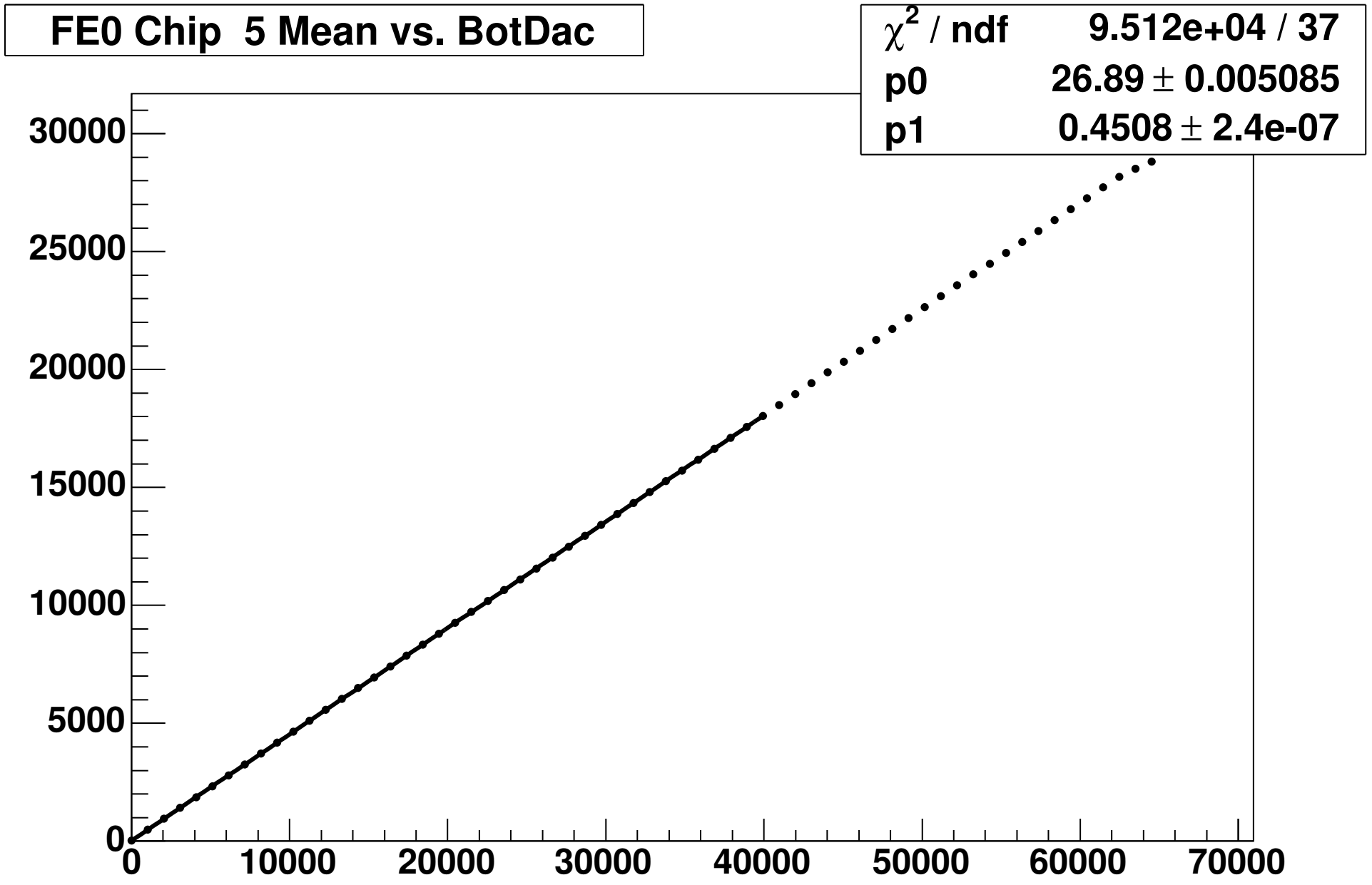

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 38.64 / 37
p0 1.499 ± 0.002735
p1 2.772e-06 ± 2.014e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 7.225e+04 / 37
p0 29.07 ± 0.005131
p1 0.4507 ± 2.415e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 1042 / 37
p0 1.364 ± 0.002807
p1 3.465e-05 ± 2.026e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 98.93 / 37
p0 27.64 ± 0.005196
p1 -4.286e-07 ± 2.213e-07
27.7
27.65
27.6
27.55
27.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 36.54 / 37
p0 1.497 ± 0.002618
p1 2.972e-06 ± 1.73e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 9.512e+04 / 37
p0 26.89 ± 0.005085
p1 0.4508 ± 2.4e-07
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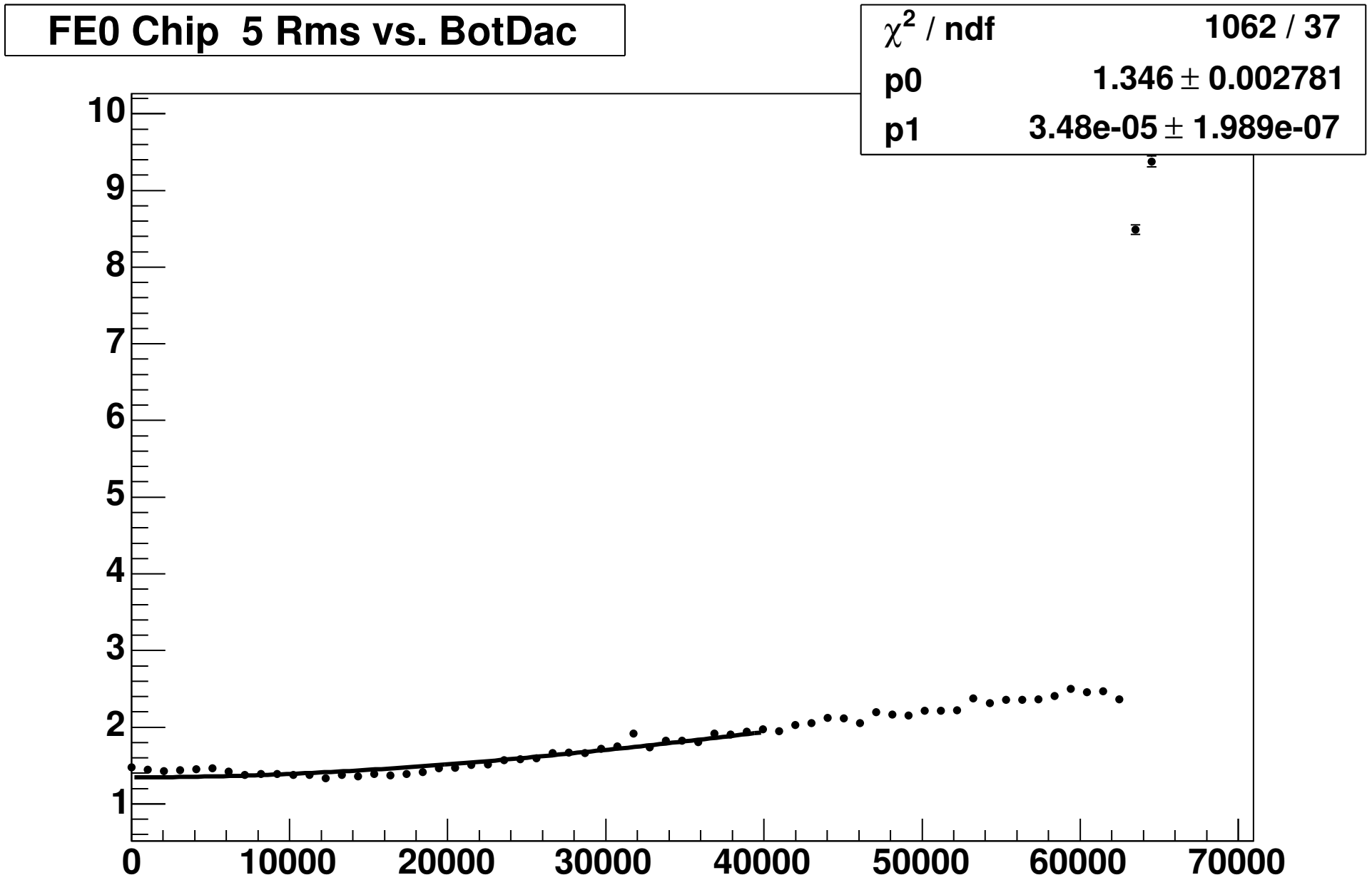
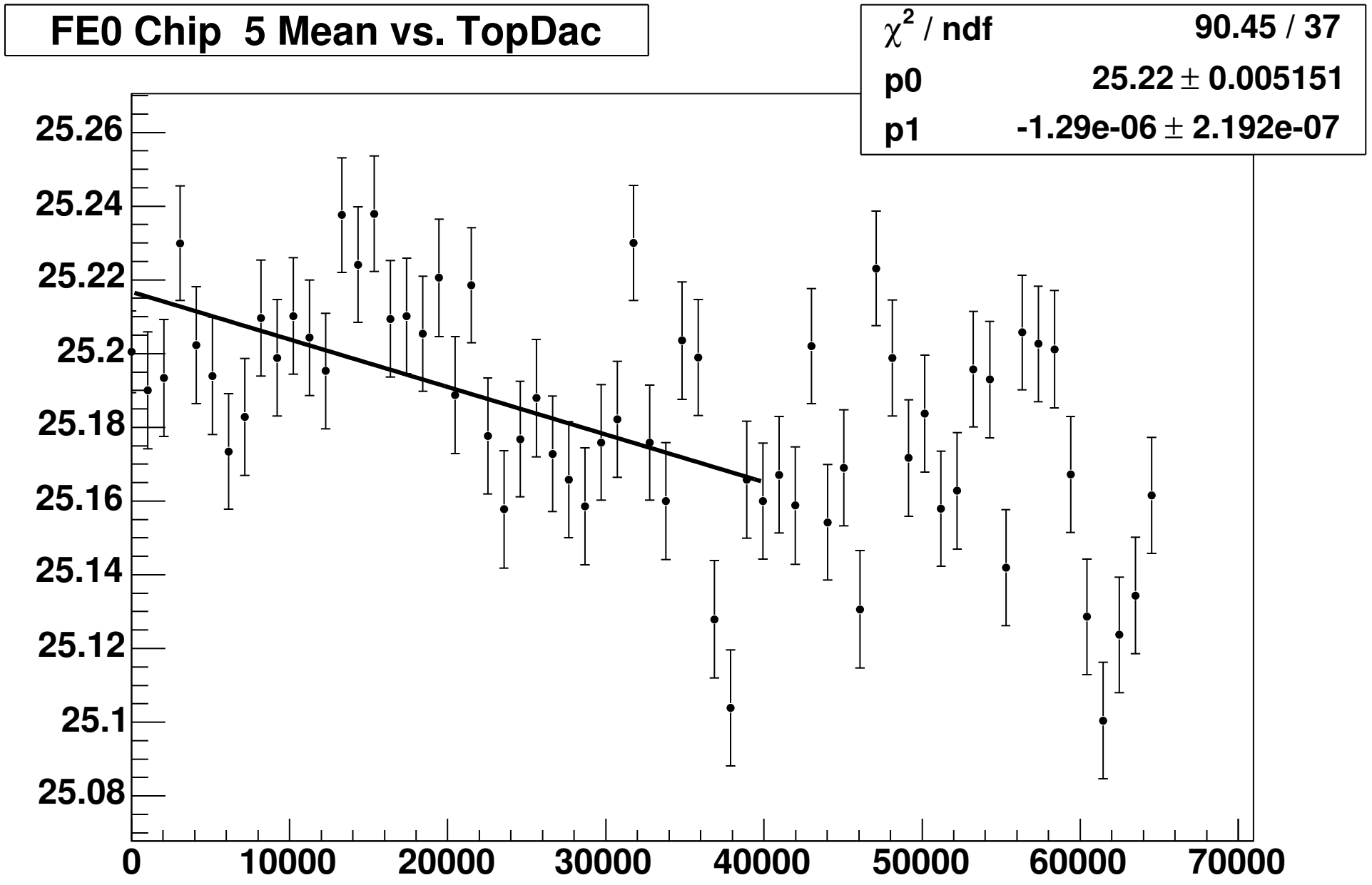
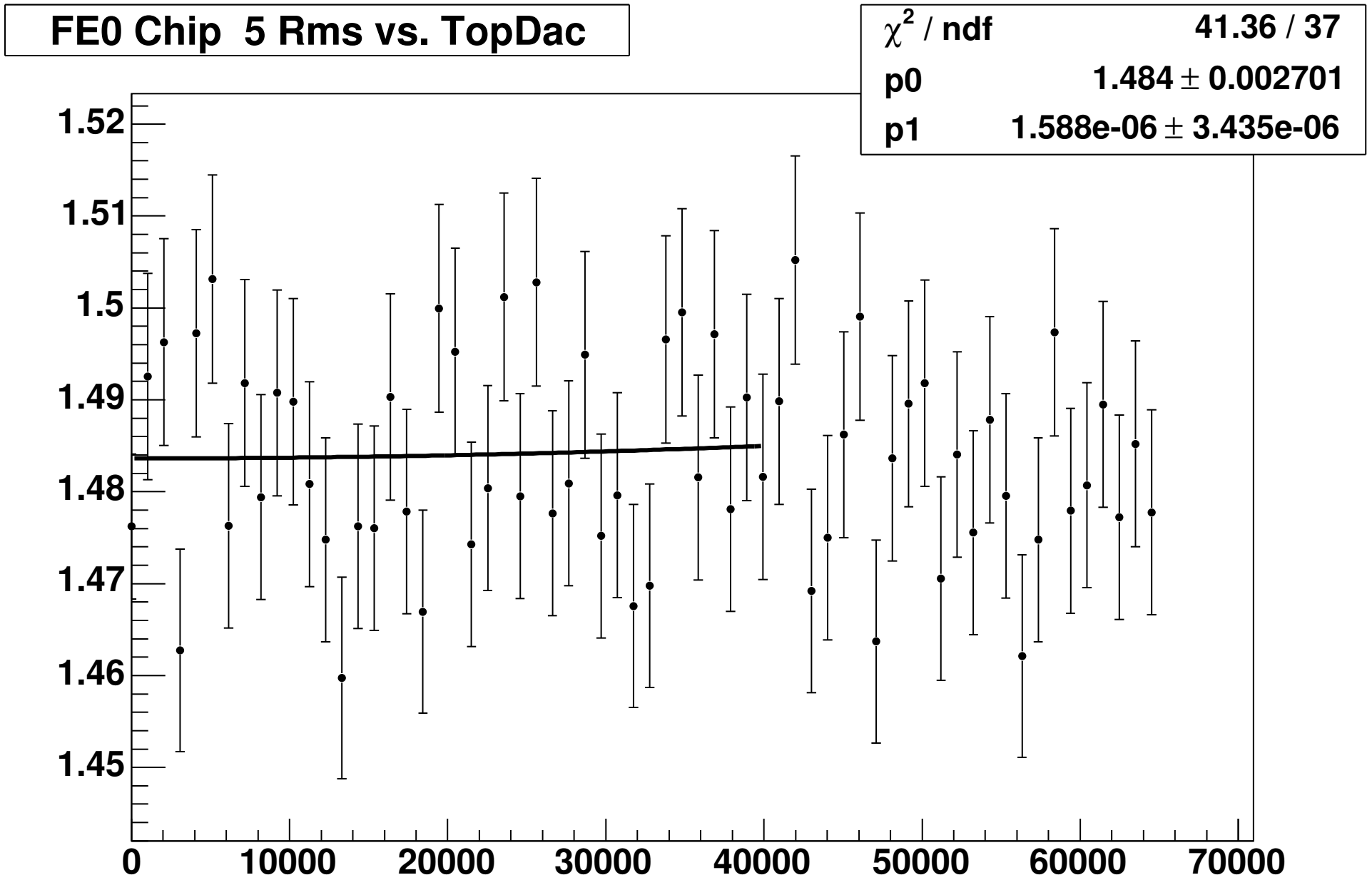
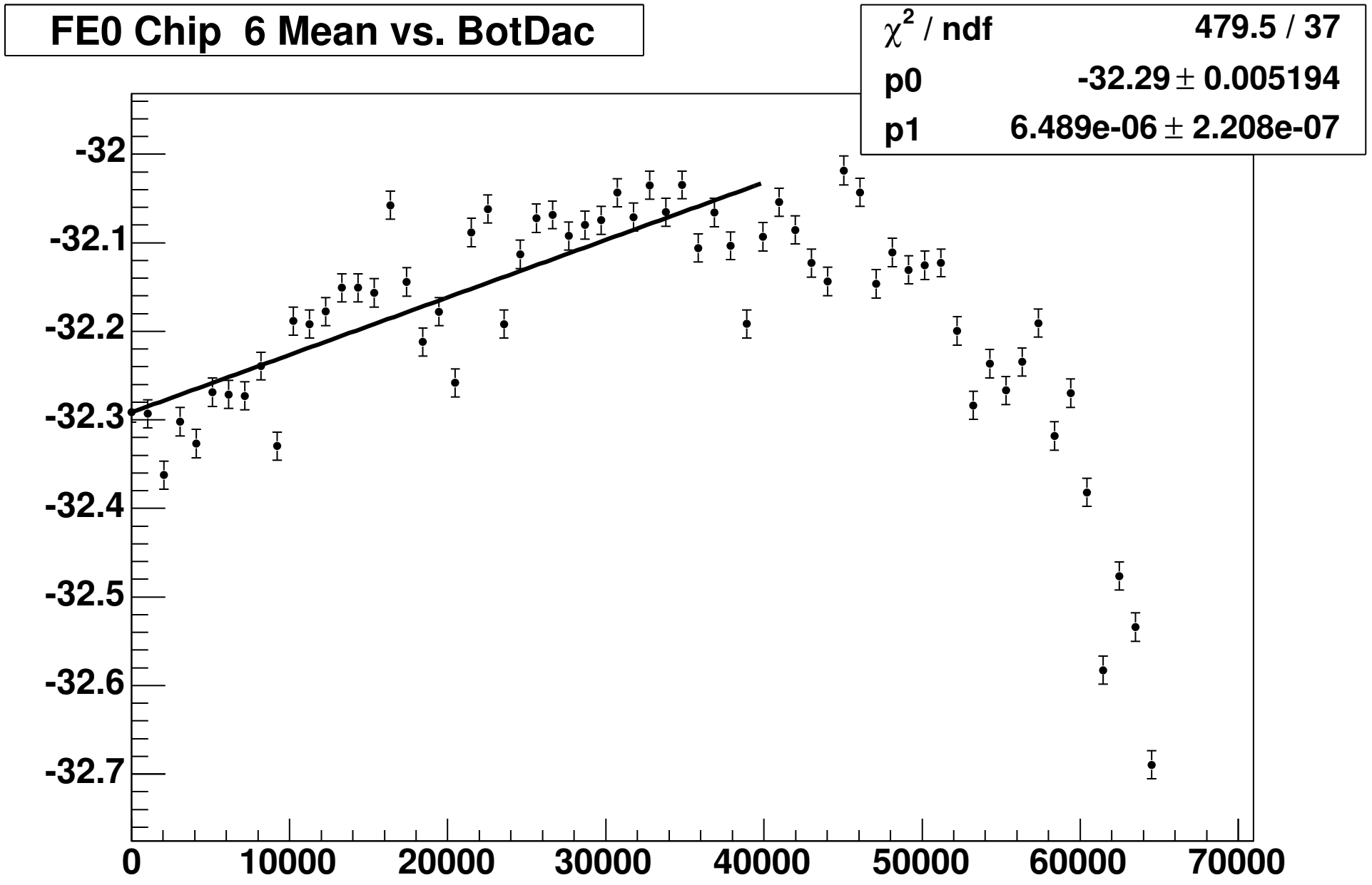
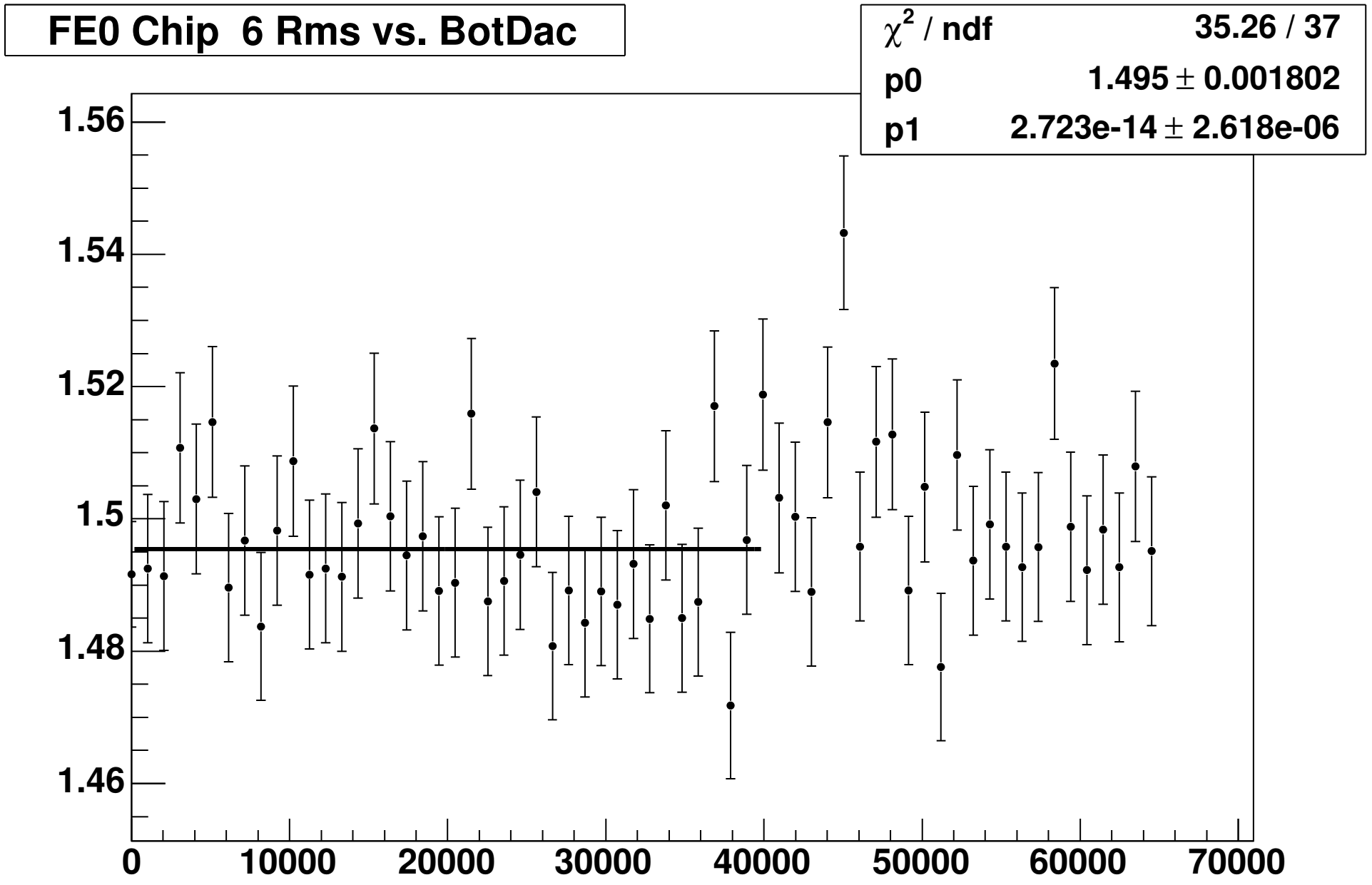
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

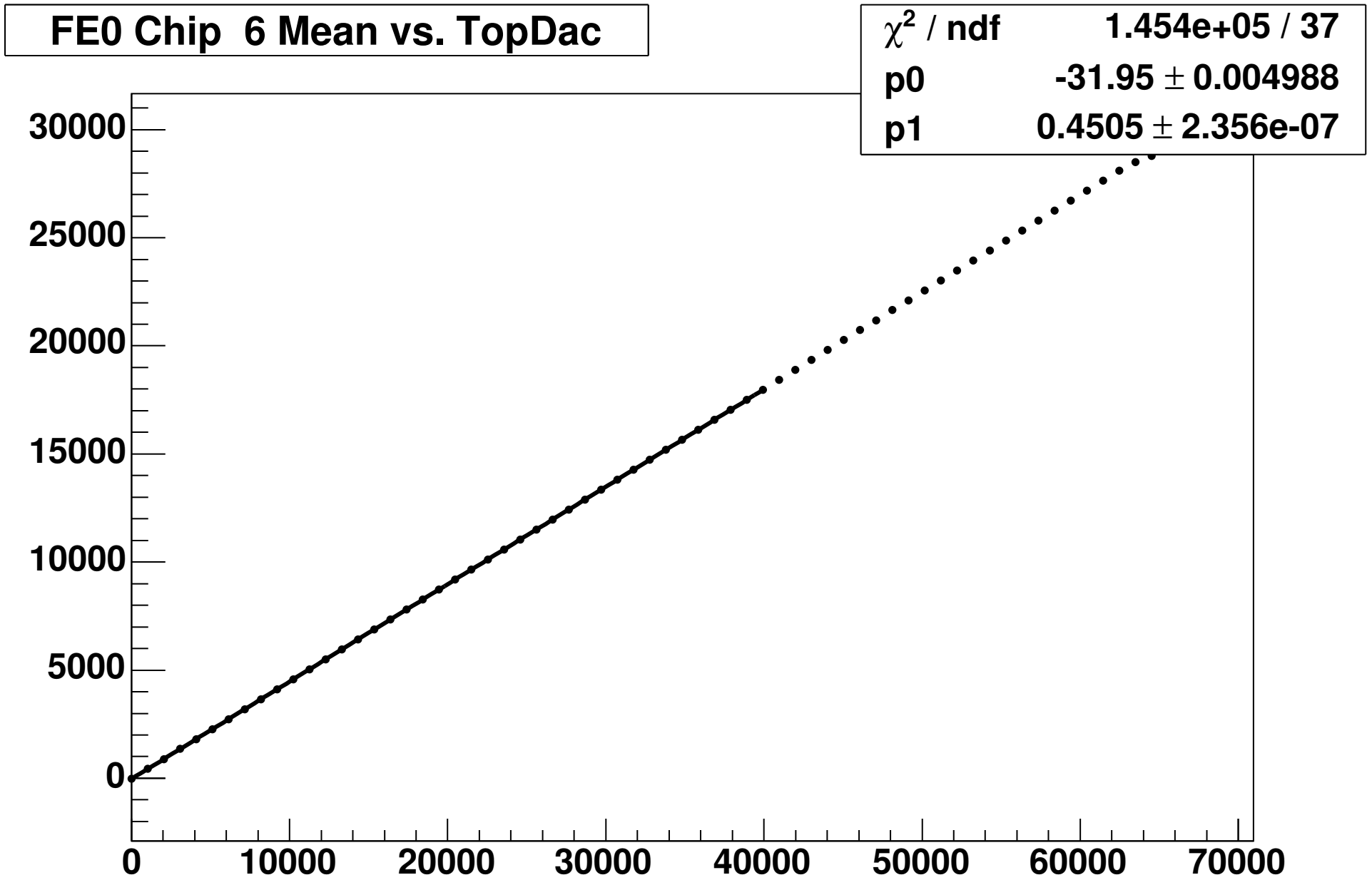

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 1062 / 37
p0 1.346 ± 0.002781
p1 3.48e-05 ± 1.989e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

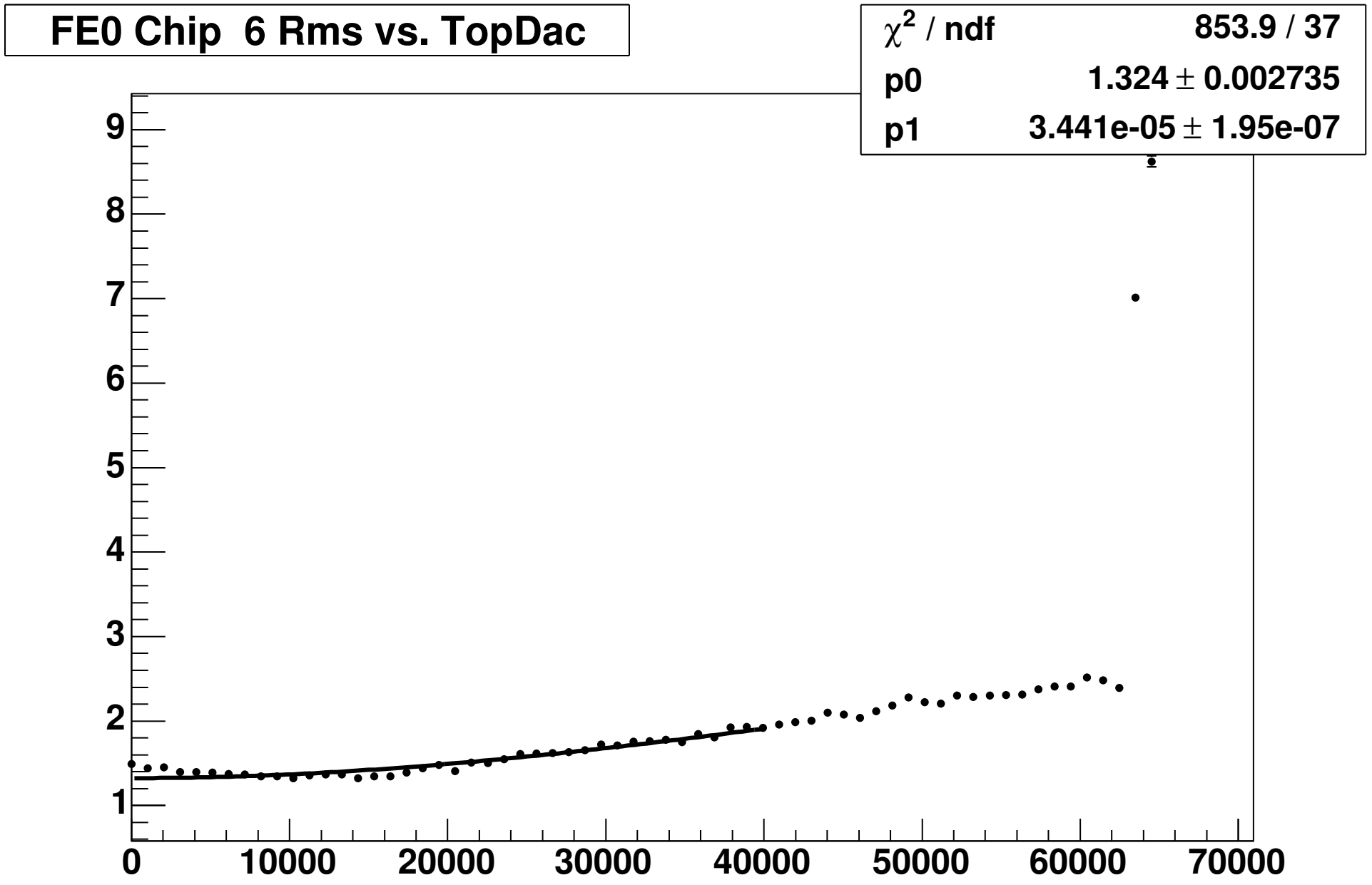

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 90.45 / 37
p0 25.22 ± 0.005151
p1 -1.29e-06 ± 2.192e-07
25.26
25.24
25.22
25.2
25.18
25.16
25.14
25.12
25.1
25.08
0
10000
20000
30000
40000
50000
60000
70000

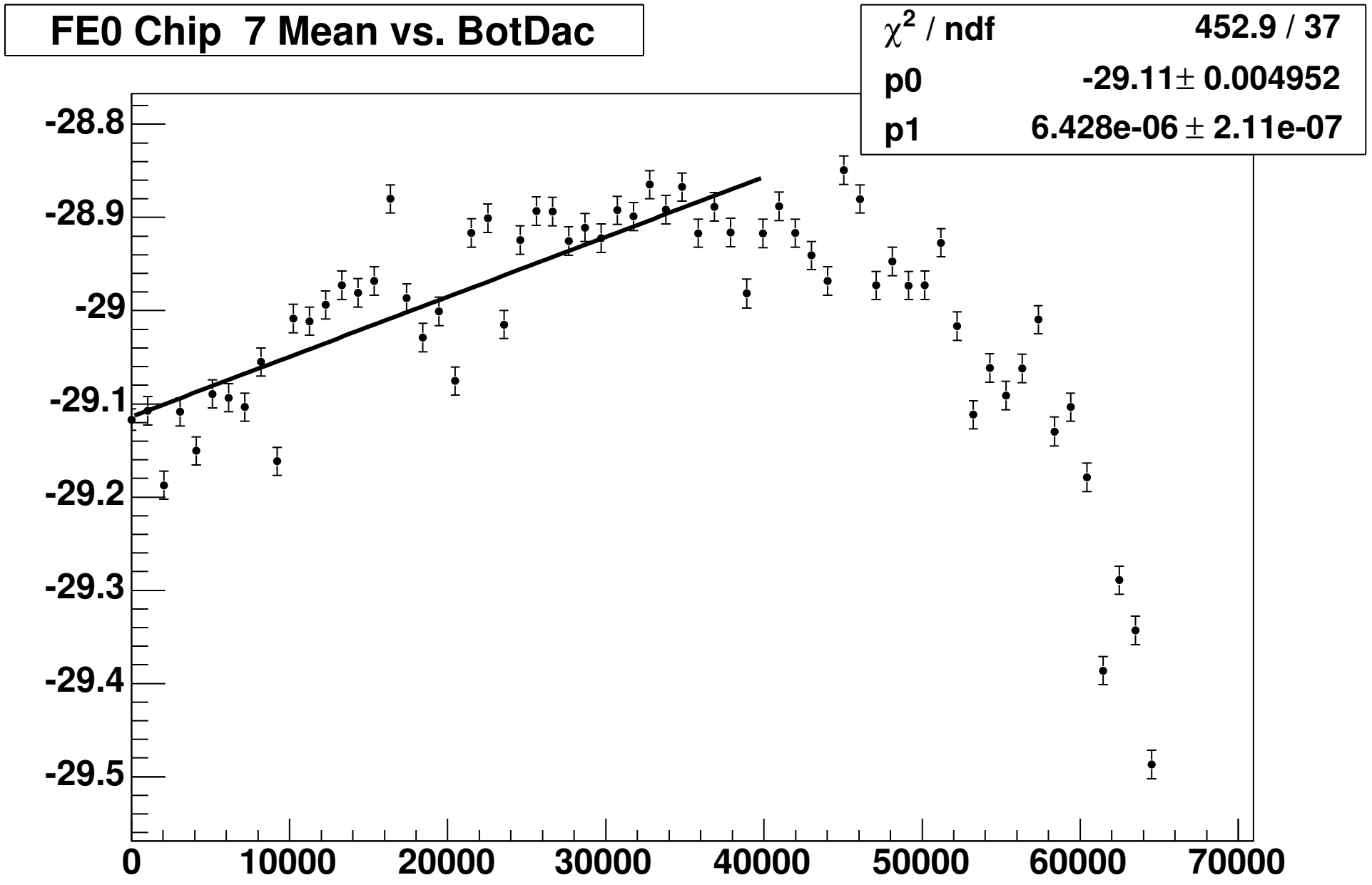

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 41.36 / 37
p0 1.484 ± 0.002701
p1 1.588e-06 ± 3.435e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

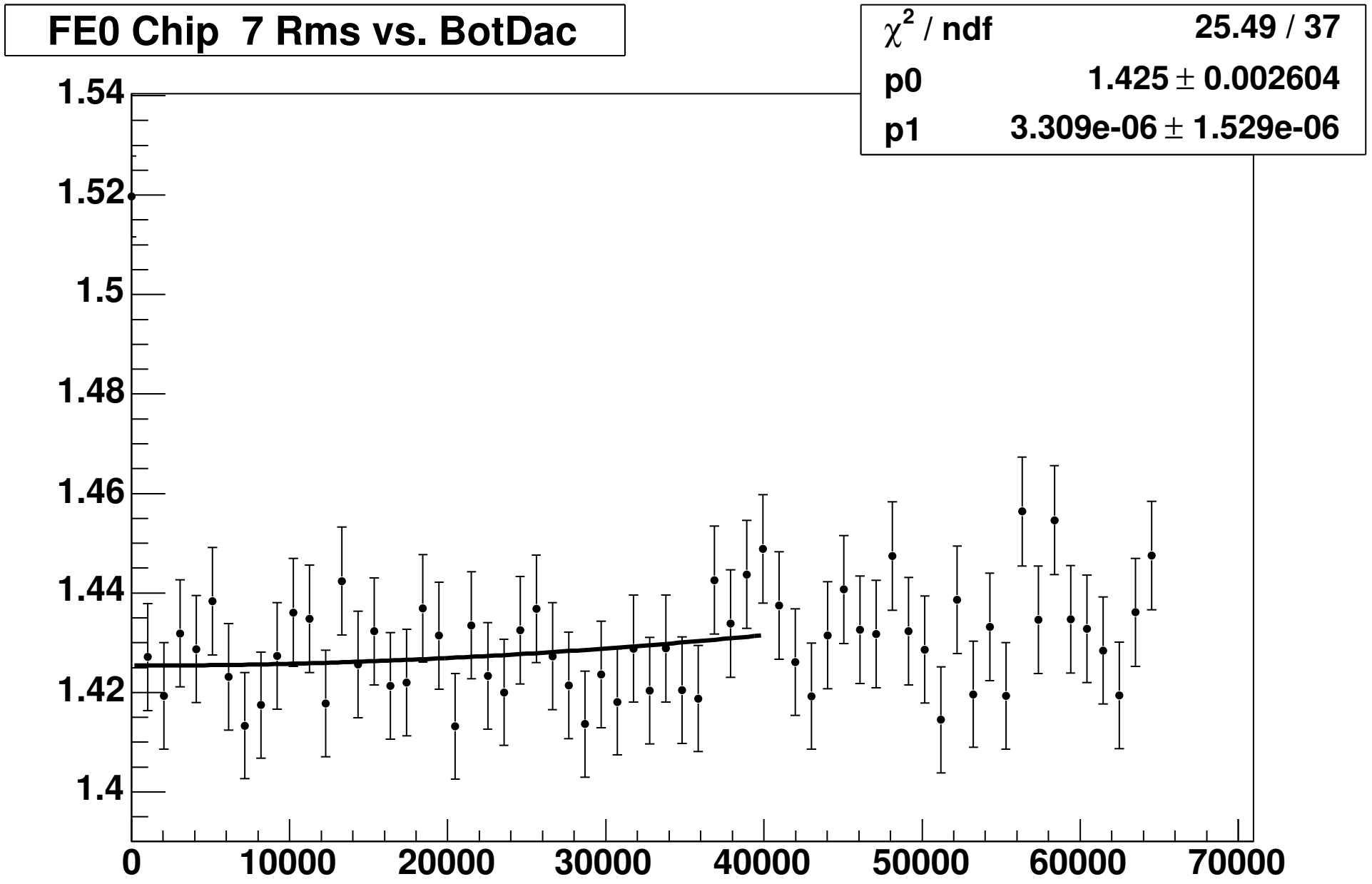

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 479.5 / 37
p0 -32.29 ± 0.005194
p1 6.489e-06 ± 2.208e-07
-32
-32.1
-32.2
-32.3
-32.4
-32.5
-32.6
-32.7
0
10000
20000
30000
40000
50000
60000
70000

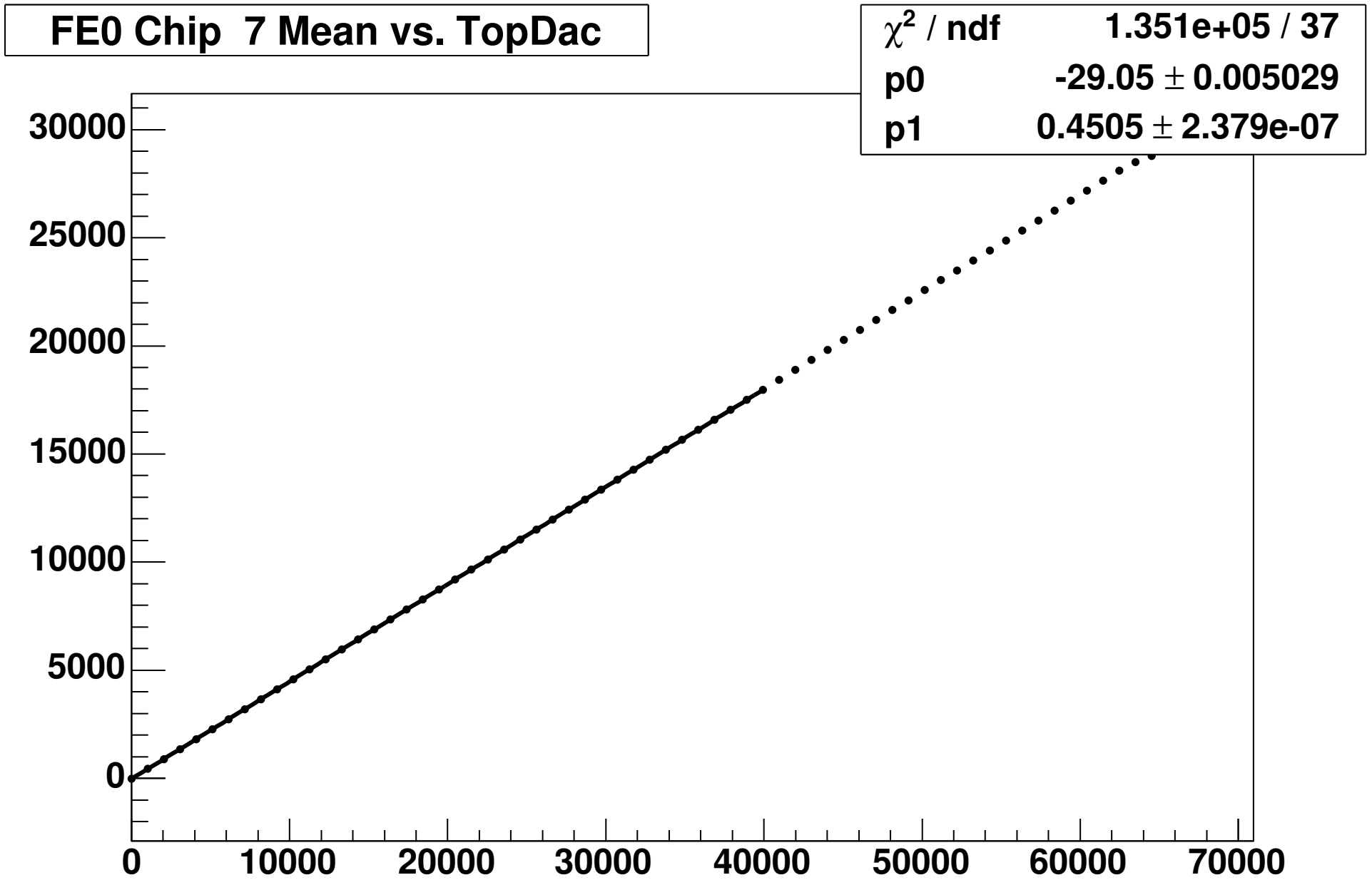

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 35.26 / 37
p0 1.495 ± 0.001802
p1 2.723e-14 ± 2.618e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

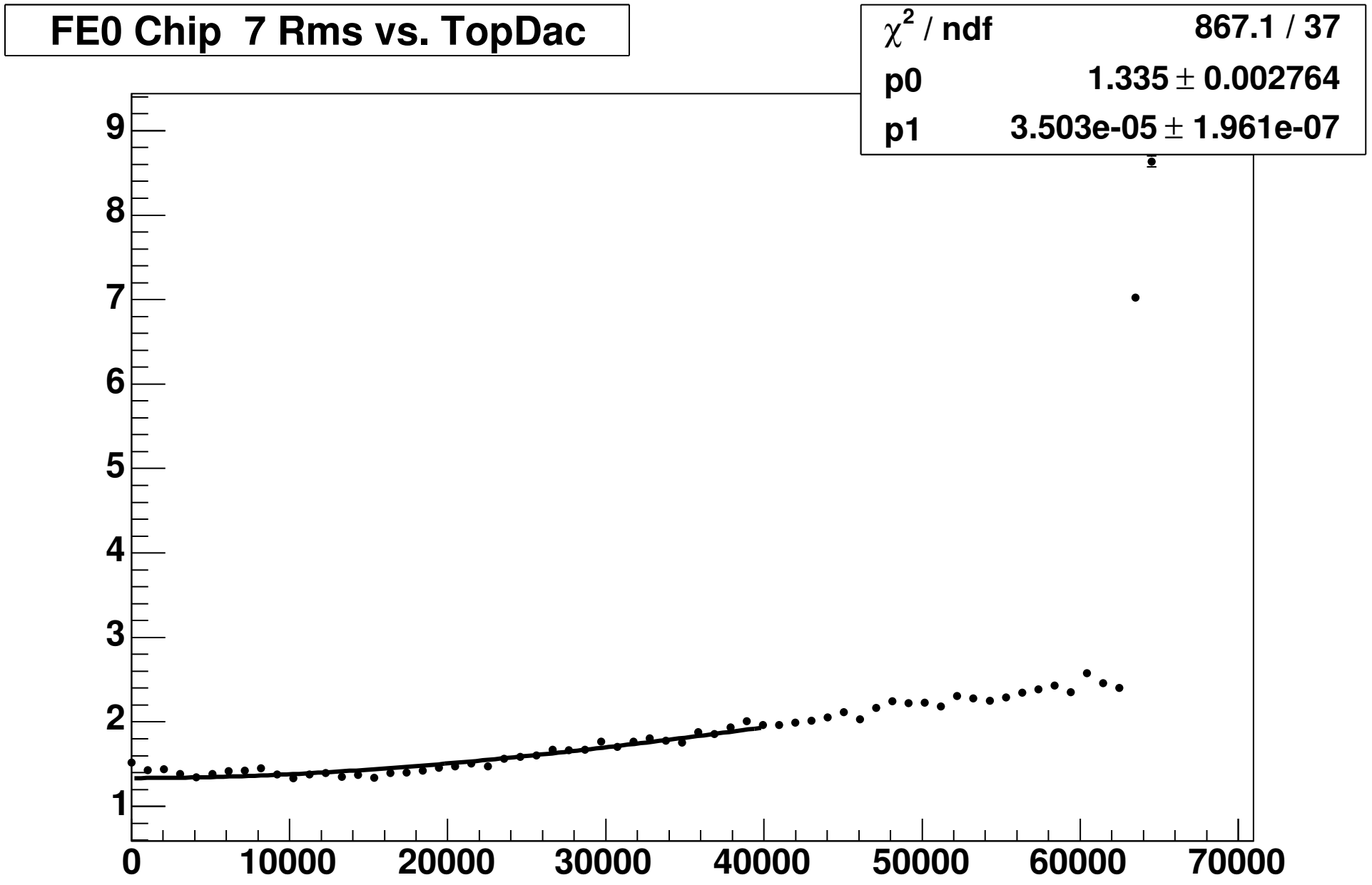

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.454e+05 / 37
p0 -31.95 ± 0.004988
p1 0.4505 ± 2.356e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

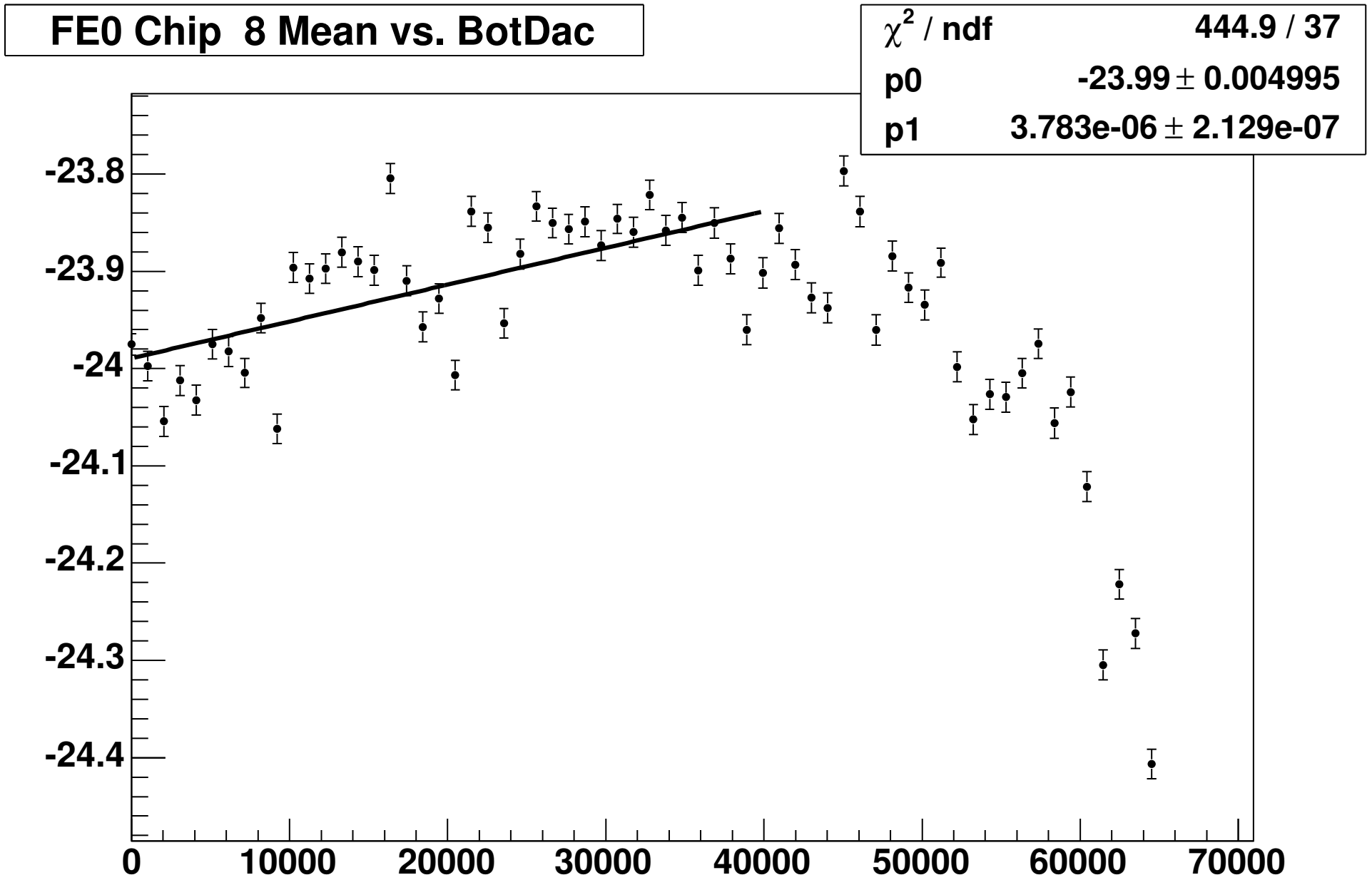

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 853.9 / 37
p0 1.324 ± 0.002735
p1 3.441e-05 ± 1.95e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 452.9 / 37
p0 -29.11 ± 0.004952
p1 6.428e-06 ± 2.11e-07
-28.8
-28.9
-29
-29.1
-29.2
-29.3
-29.4
-29.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 25.49 / 37
p0 1.425 ± 0.002604
p1 3.309e-06 ± 1.529e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.351e+05 / 37
p0 -29.05 ± 0.005029
p1 0.4505 ± 2.379e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 867.1 / 37
p0 1.335 ± 0.002764
p1 3.503e-05 ± 1.961e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 444.9 / 37
p0 -23.99 ± 0.004995
p1 3.783e-06 ± 2.129e-07
-23.8
-23.9
-24
-24.1
-24.2
-24.3
-24.4
0
10000
20000
30000
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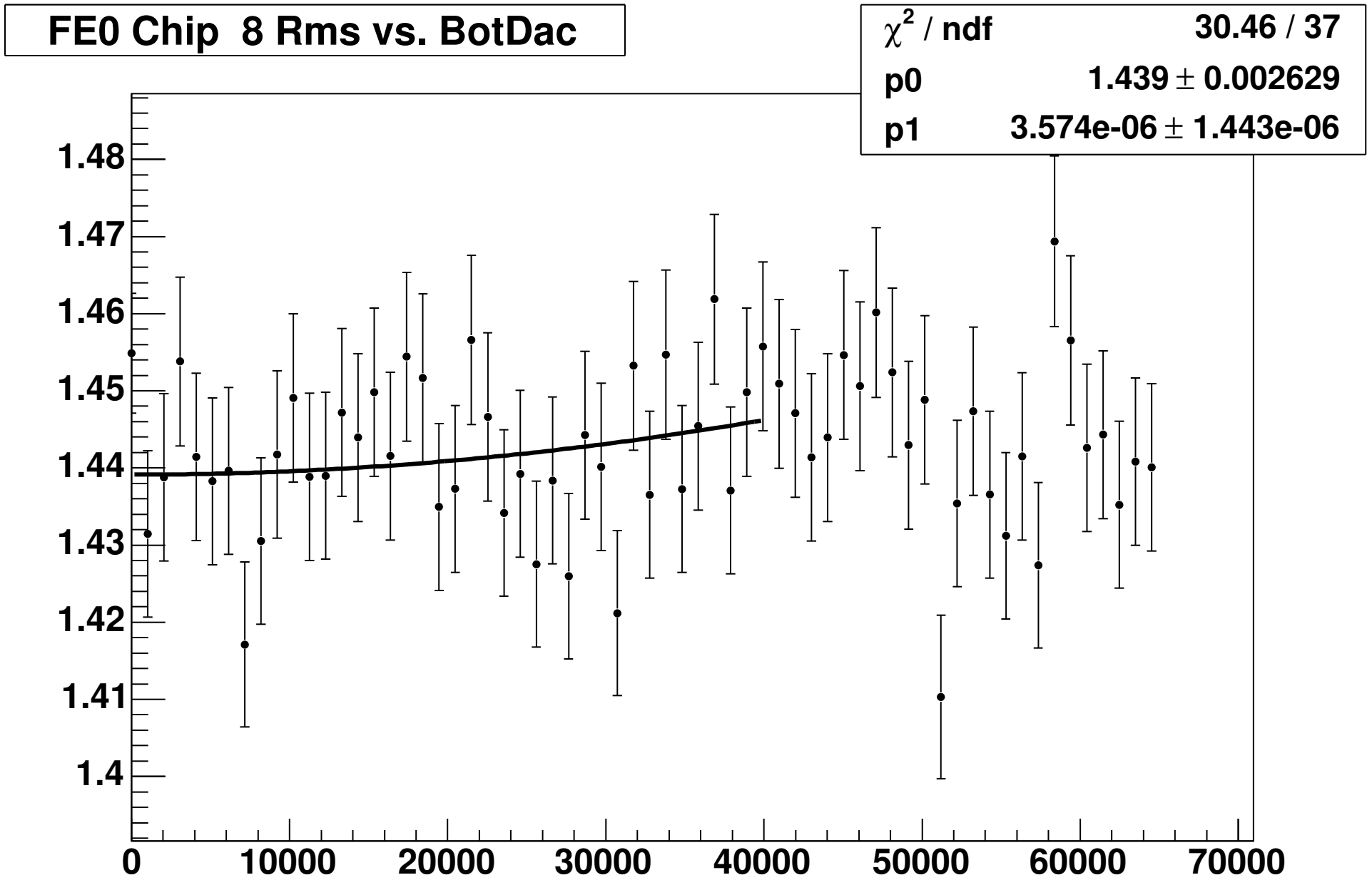
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 30.46 / 37
p0 1.439 ± 0.002629
p1 3.574e-06 ± 1.443e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
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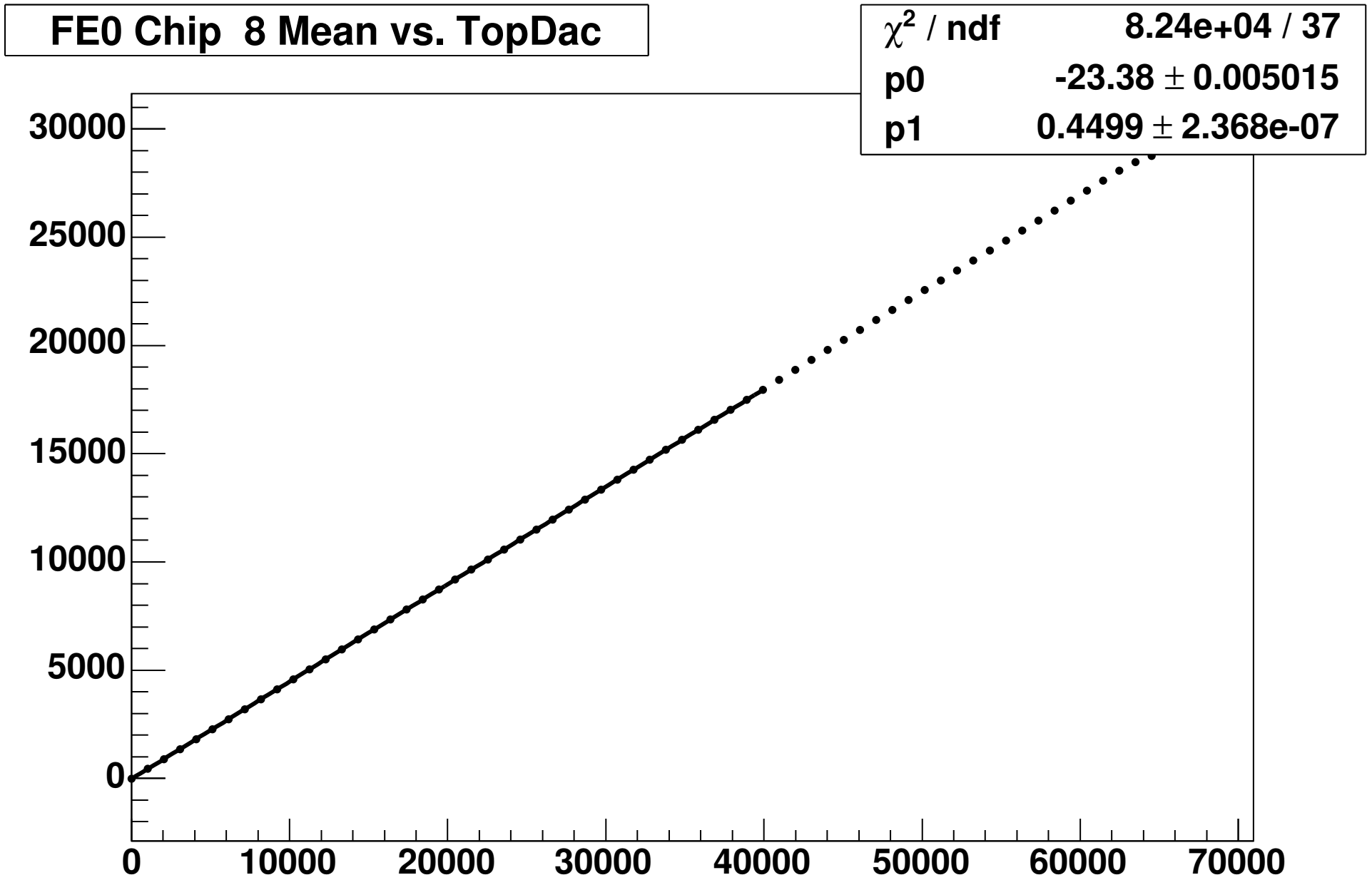
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 8.24e+04 / 37
p0 -23.38 ± 0.005015
p1 0.4499 ± 2.368e-07
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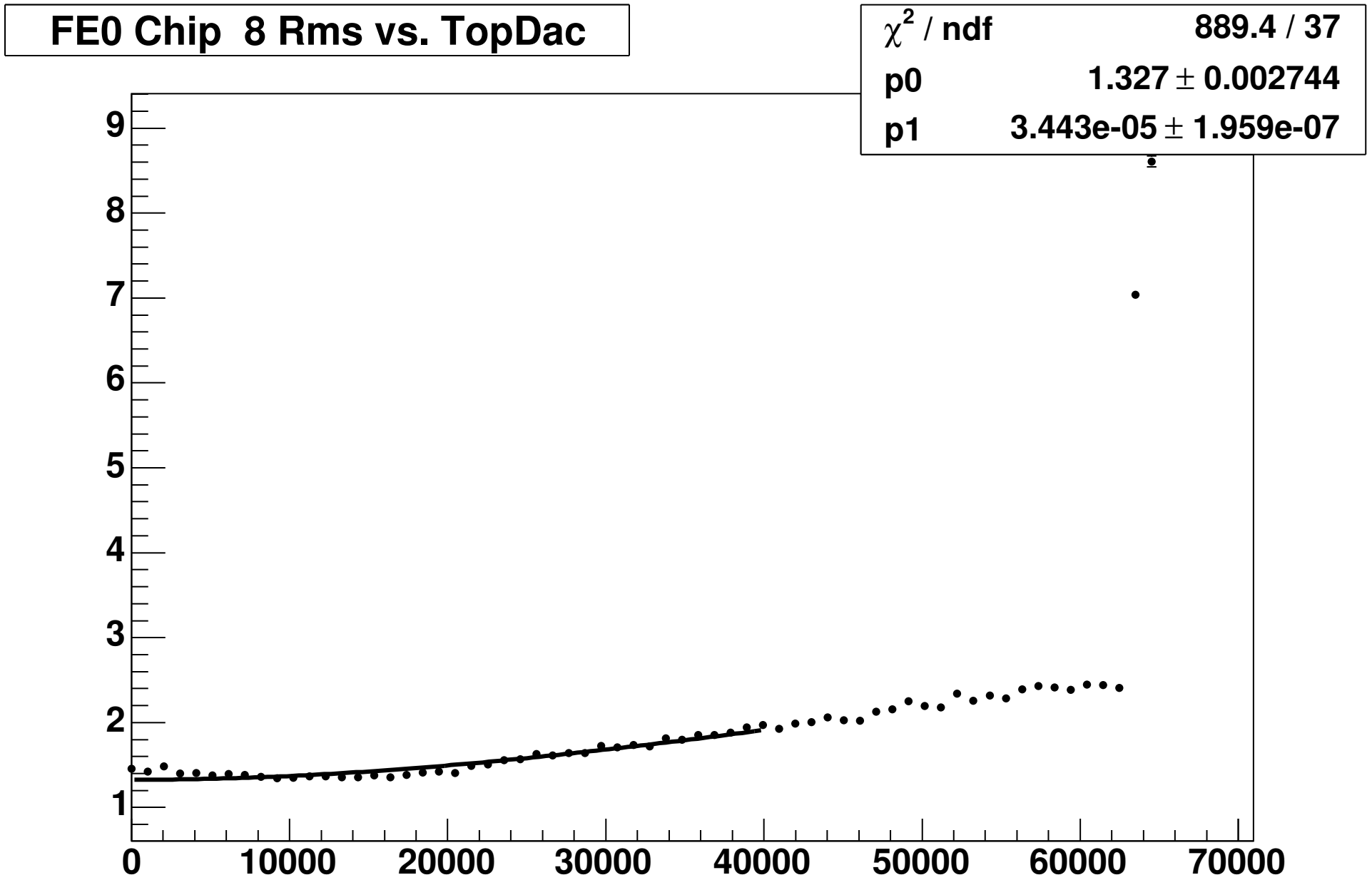
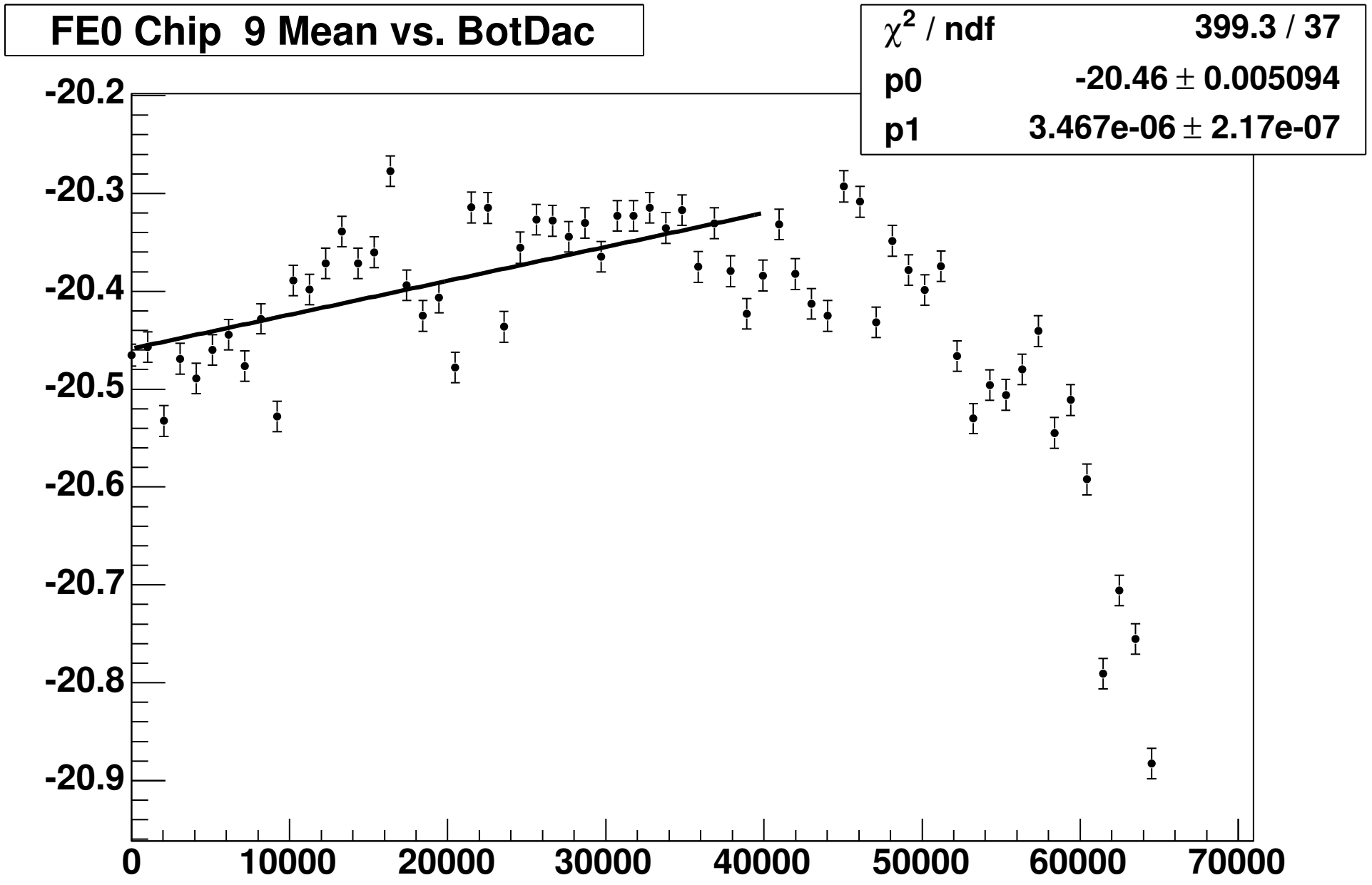
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 889.4 / 37
p0 1.327 ± 0.002744
p1 3.443e-05 ± 1.959e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 399.3 / 37
p0 -20.46 ± 0.005094
p1 3.467e-06 ± 2.17e-07
-20.2
-20.3
-20.4
-20.5
-20.6
-20.7
-20.8
-20.9
0
10000
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60000
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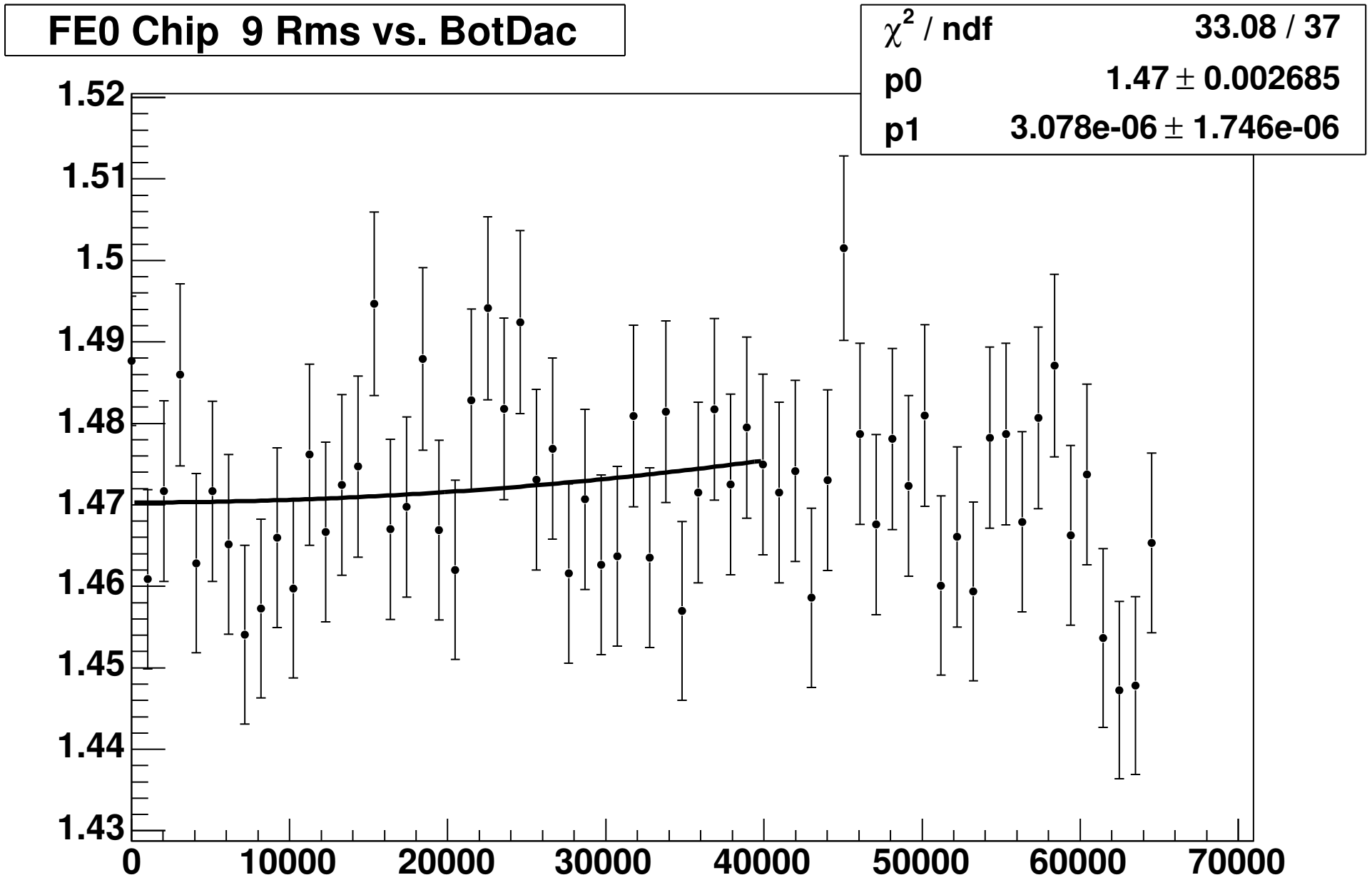
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 33.08 / 37
p0 1.47 ± 0.002685
p1 3.078e-06 ± 1.746e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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50000
60000
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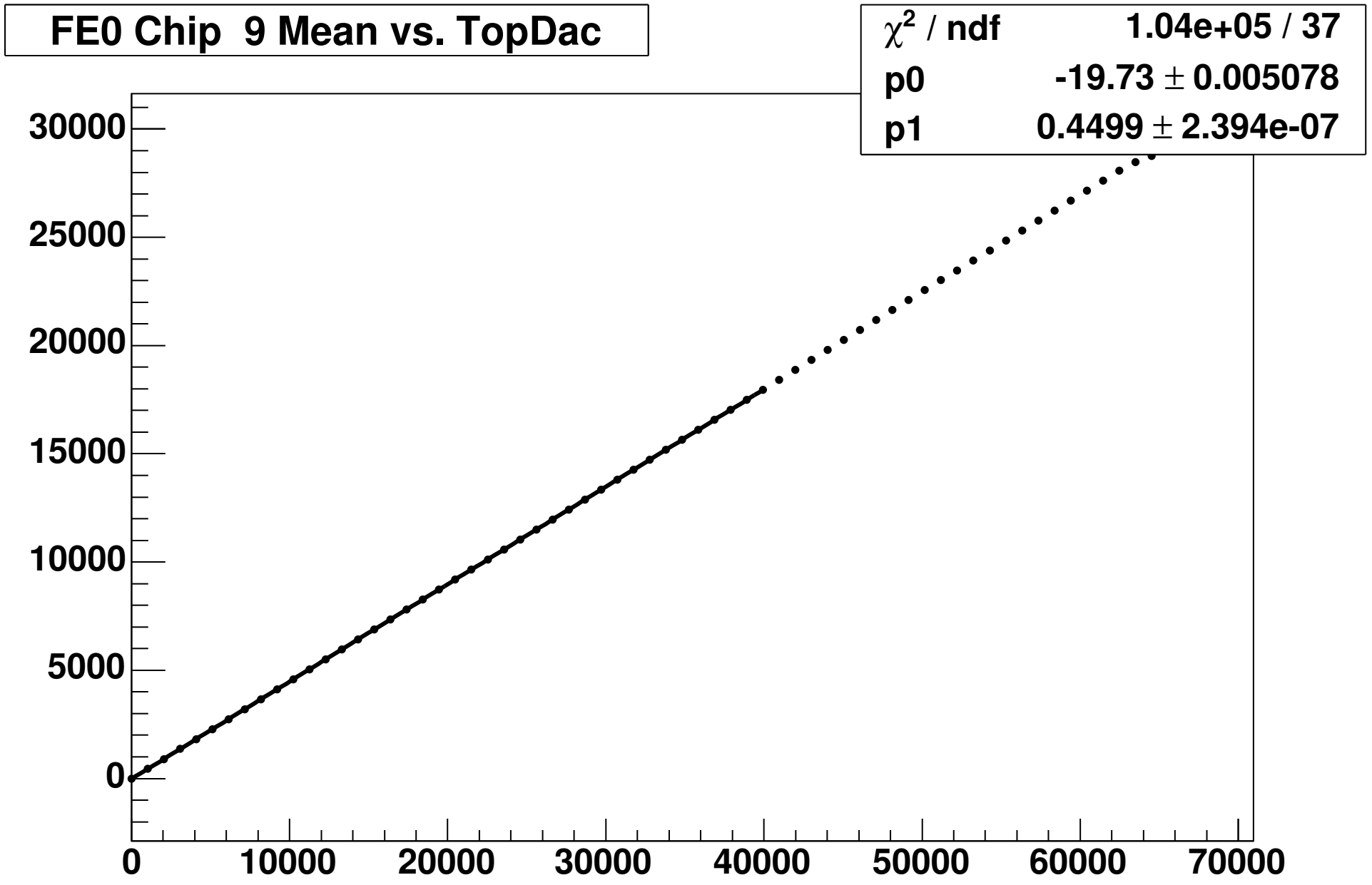
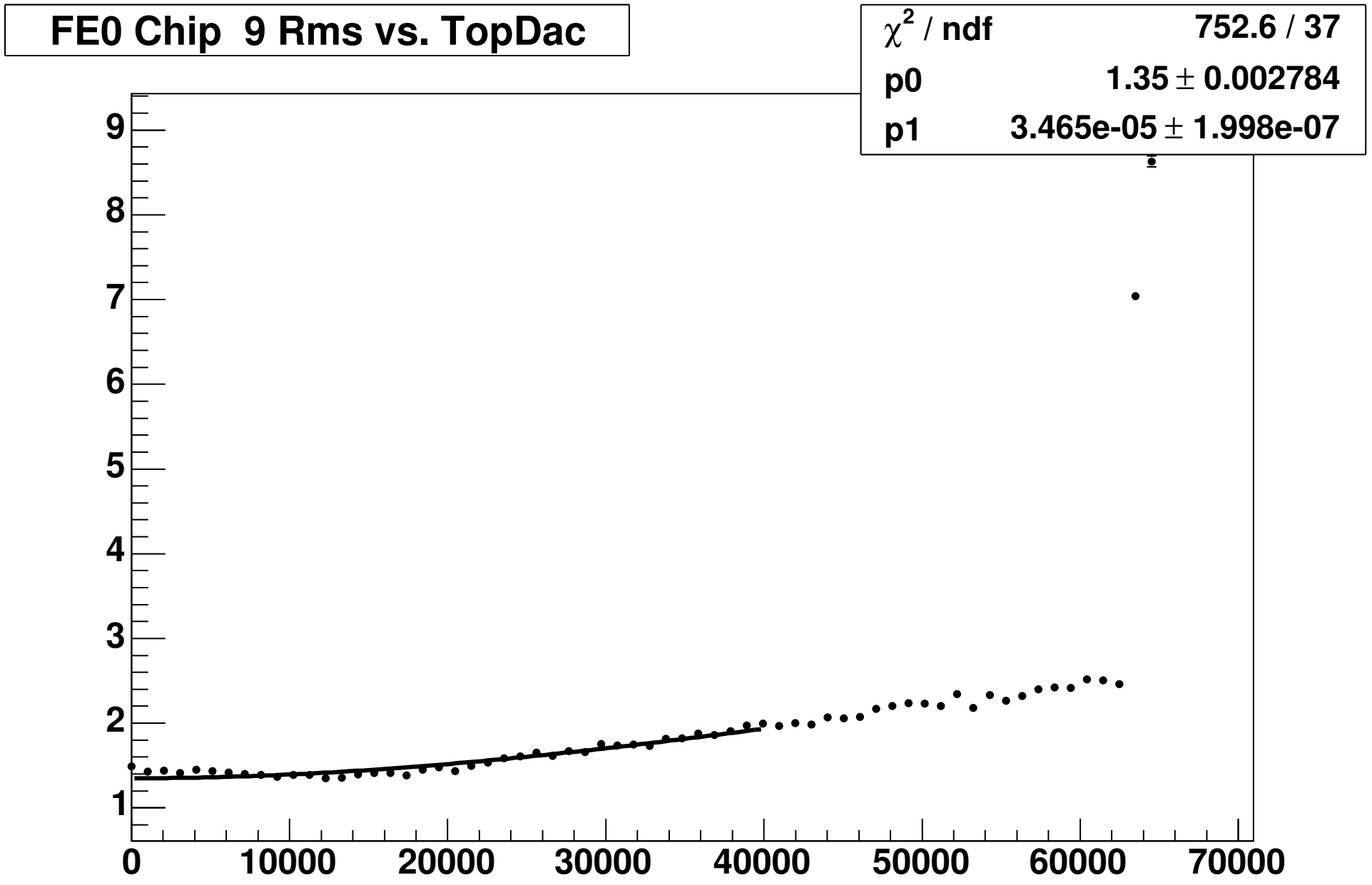

FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.04e+05 / 37
p0 -19.73 ± 0.005078
p1 0.4499 ± 2.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 752.6 / 37
p0 1.35 ± 0.002784
p1 3.465e-05 ± 1.998e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
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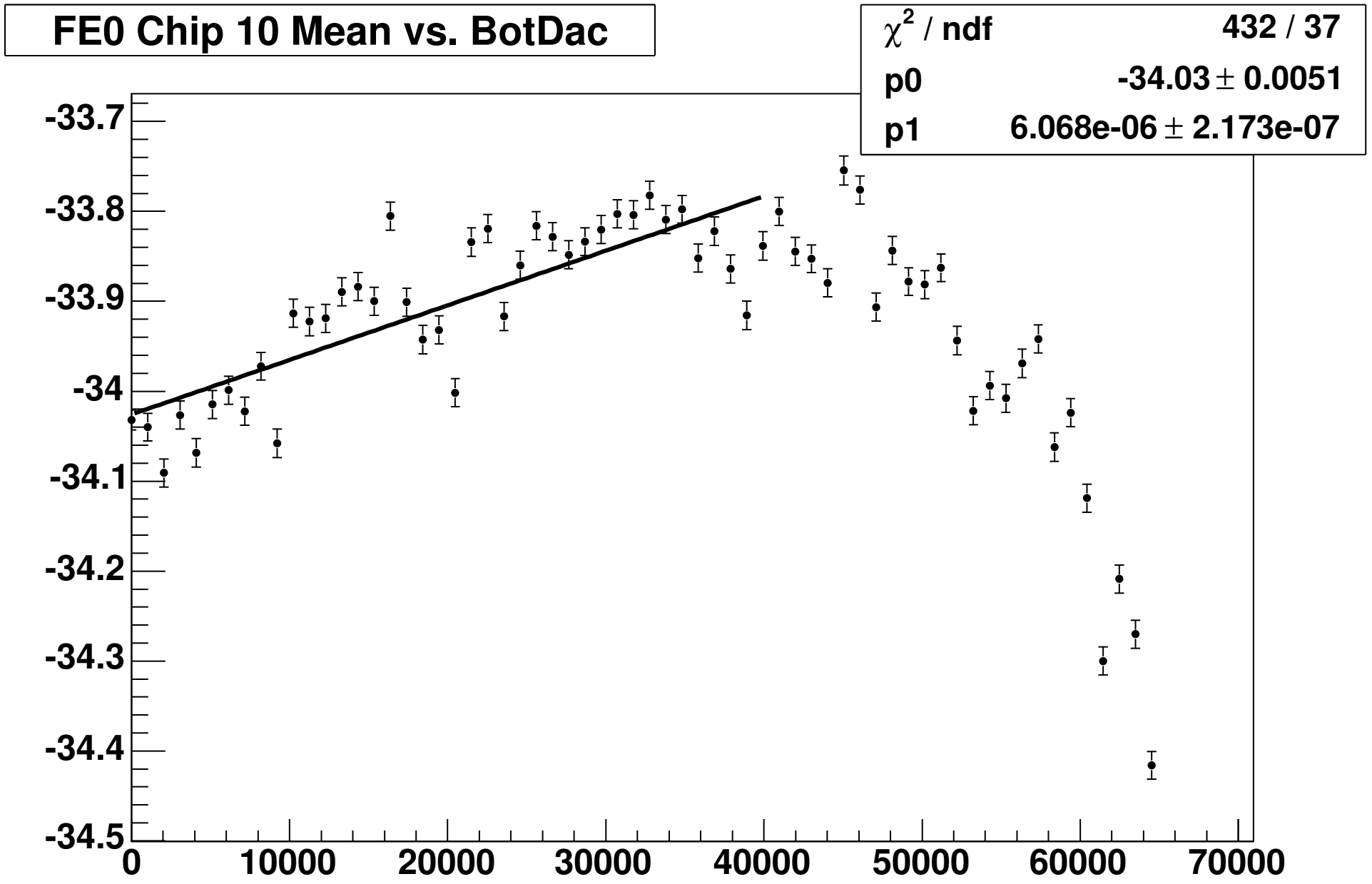
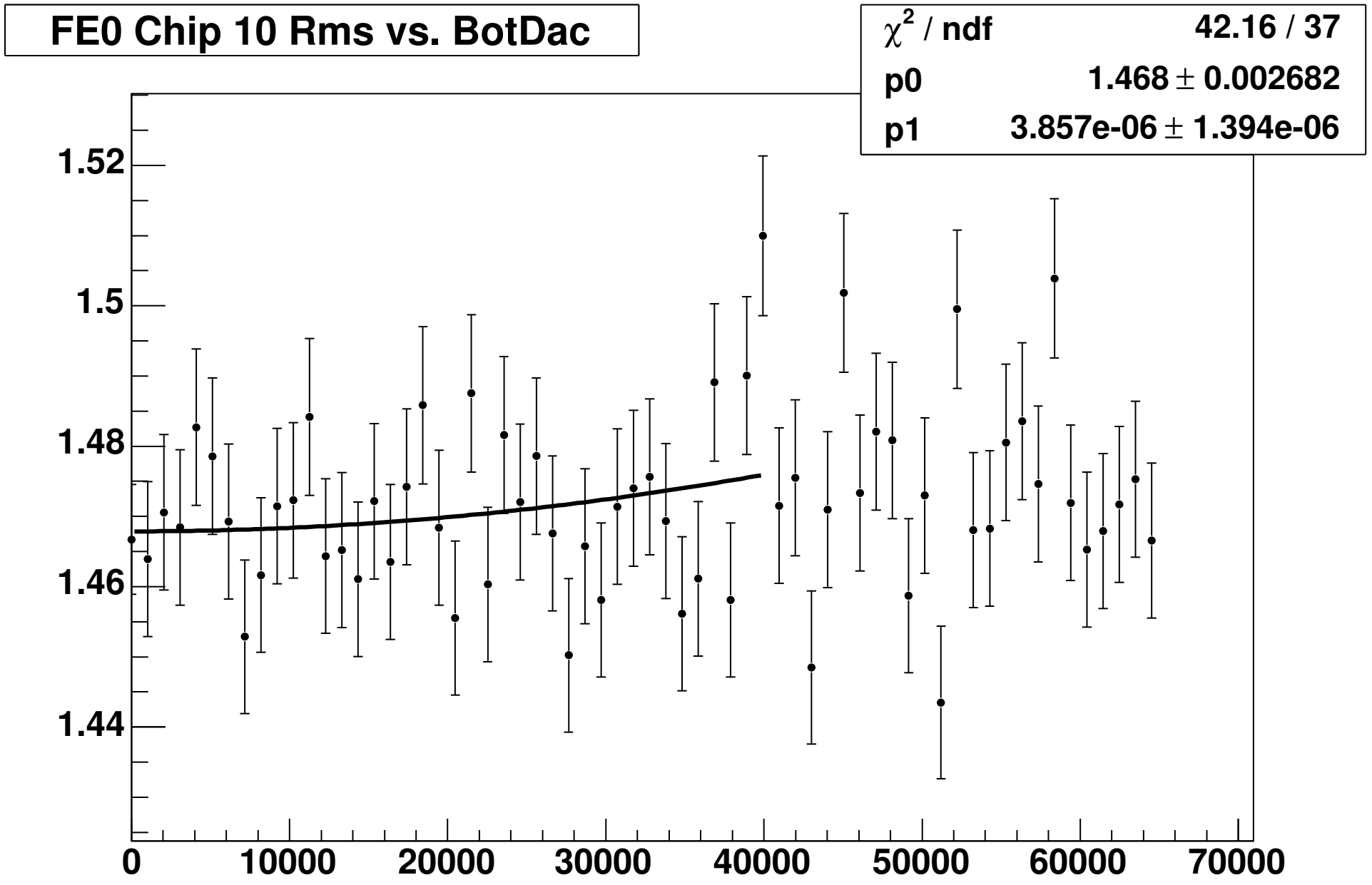
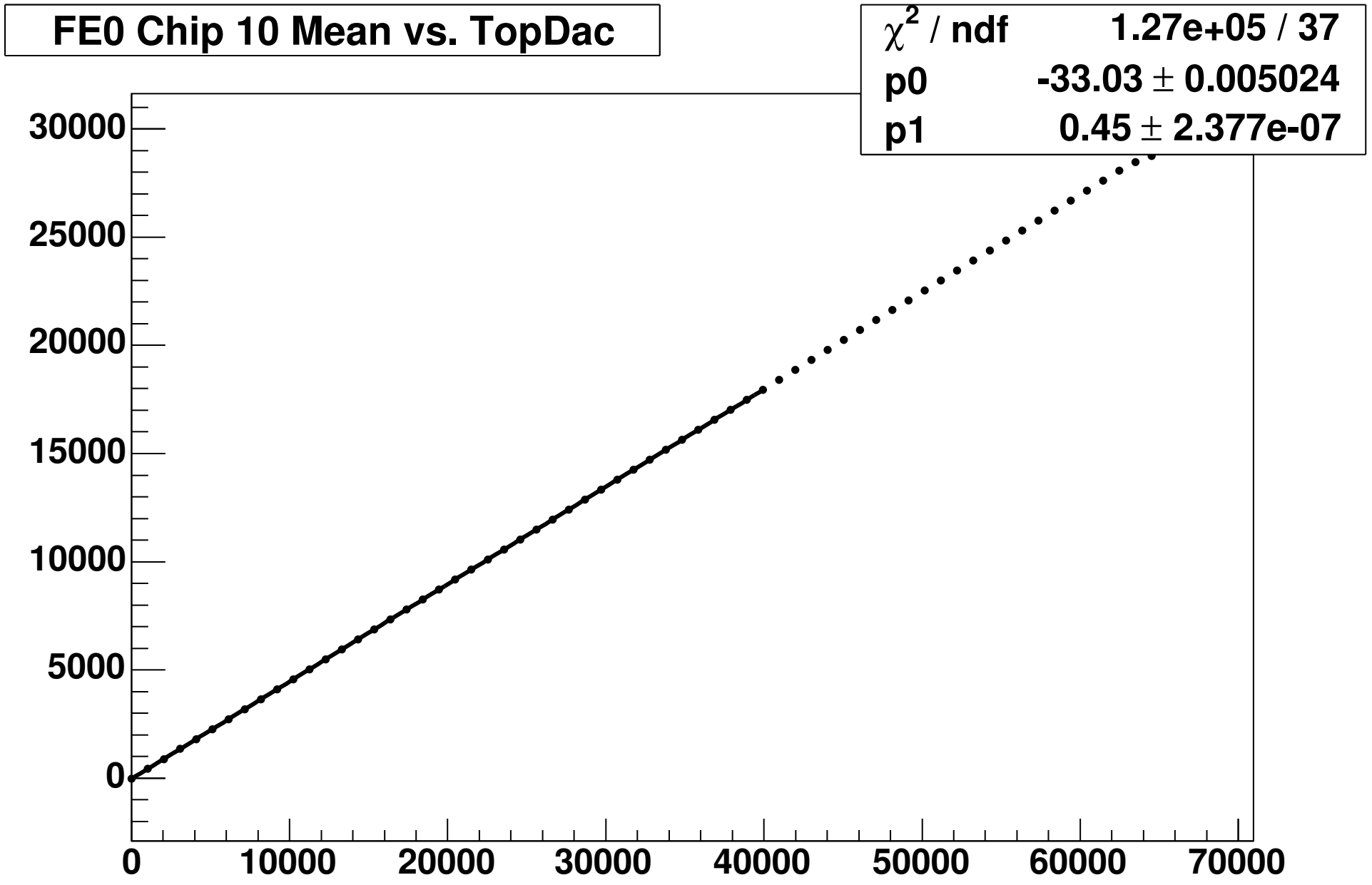

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 432 / 37
p0 -34.03 ± 0.0051
p1 6.068e-06 ± 2.173e-07
-33.7
-33.8
-33.9
-34
-34.1
-34.2
-34.3
-34.4
-34.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 42.16 / 37
p0 1.468 ± 0.002682
p1 3.857e-06 ± 1.394e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.27e+05 / 37
p0 -33.03 ± 0.005024
p1 0.45 ± 2.377e-07
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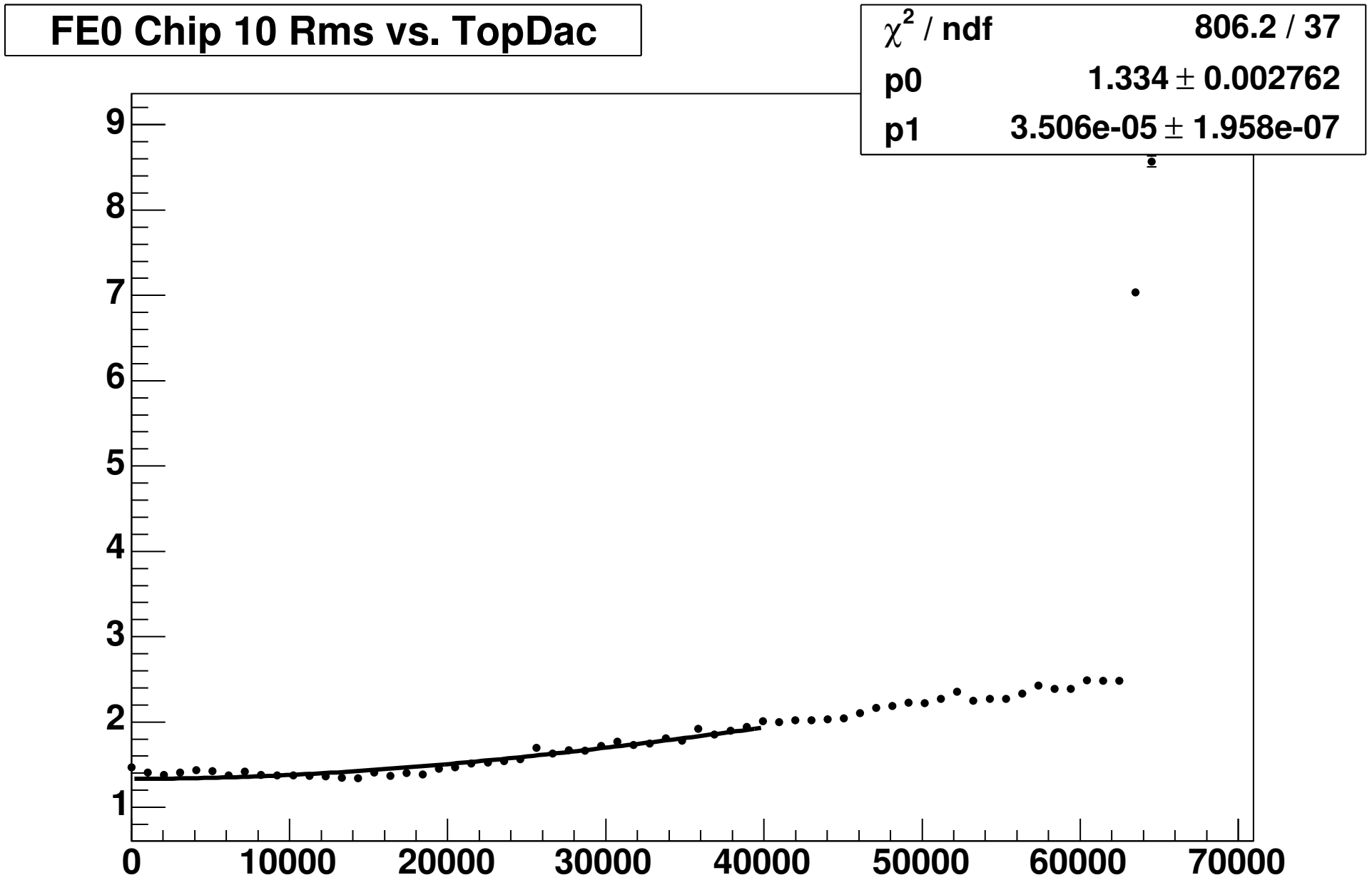
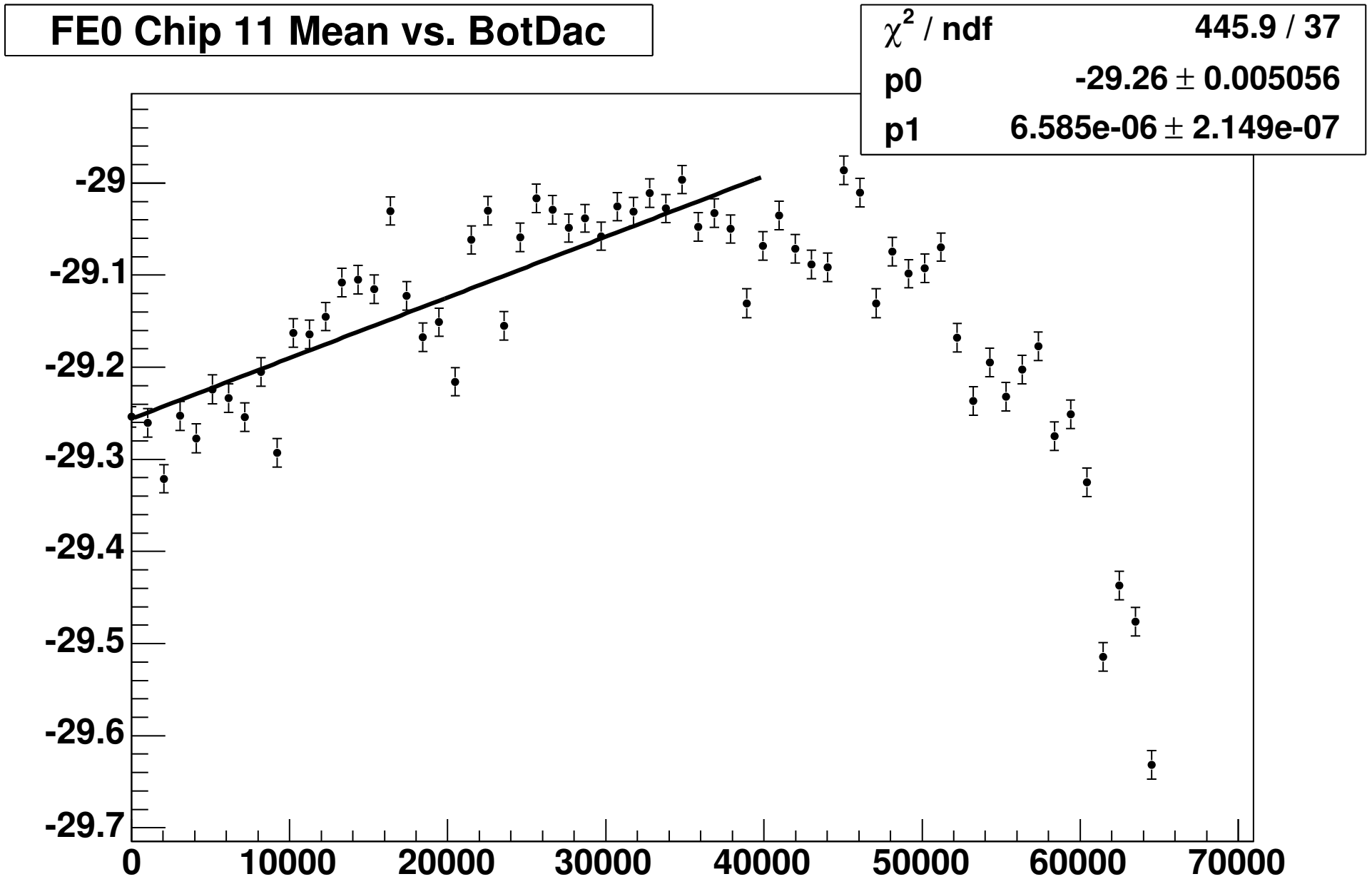
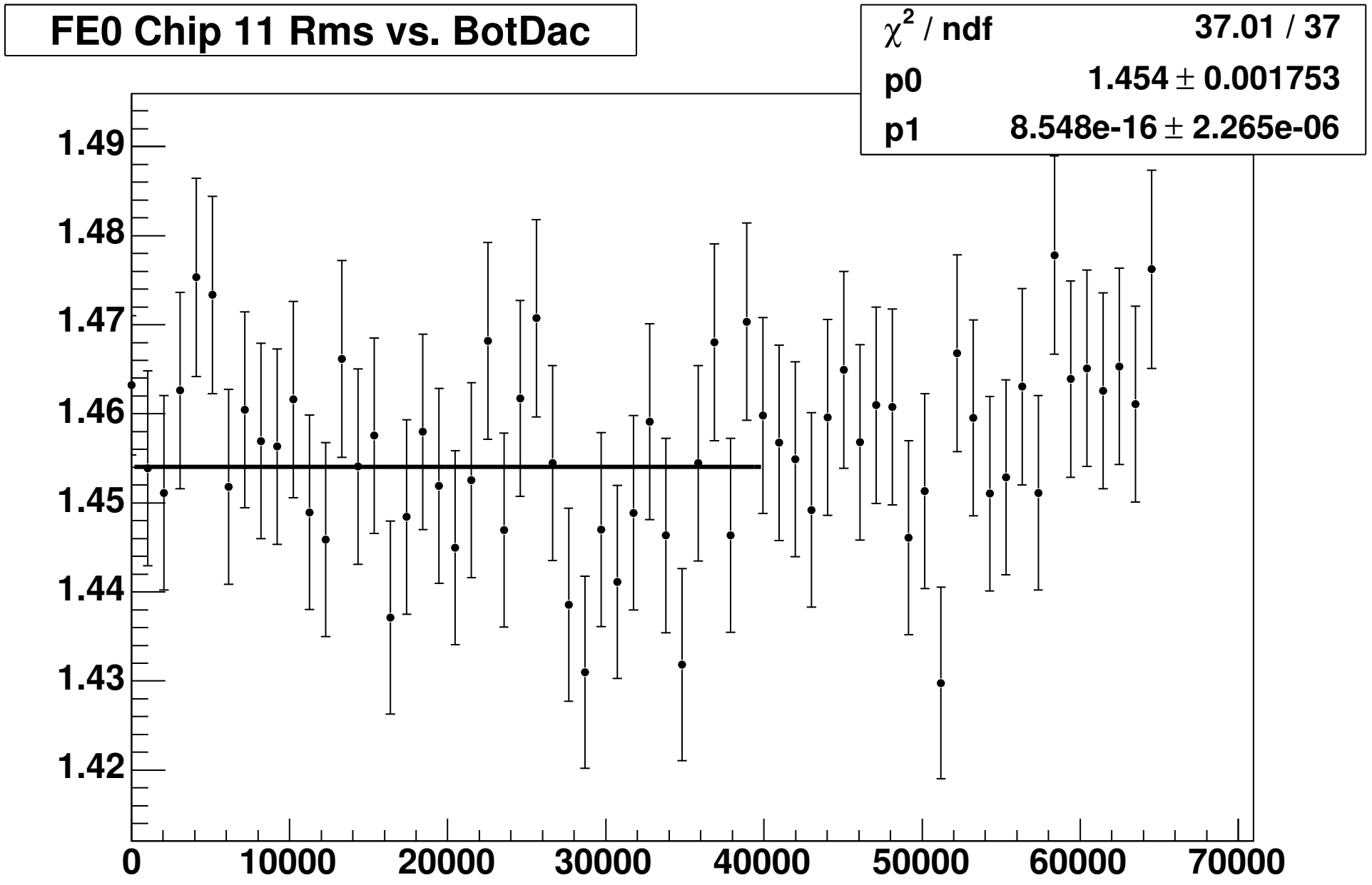
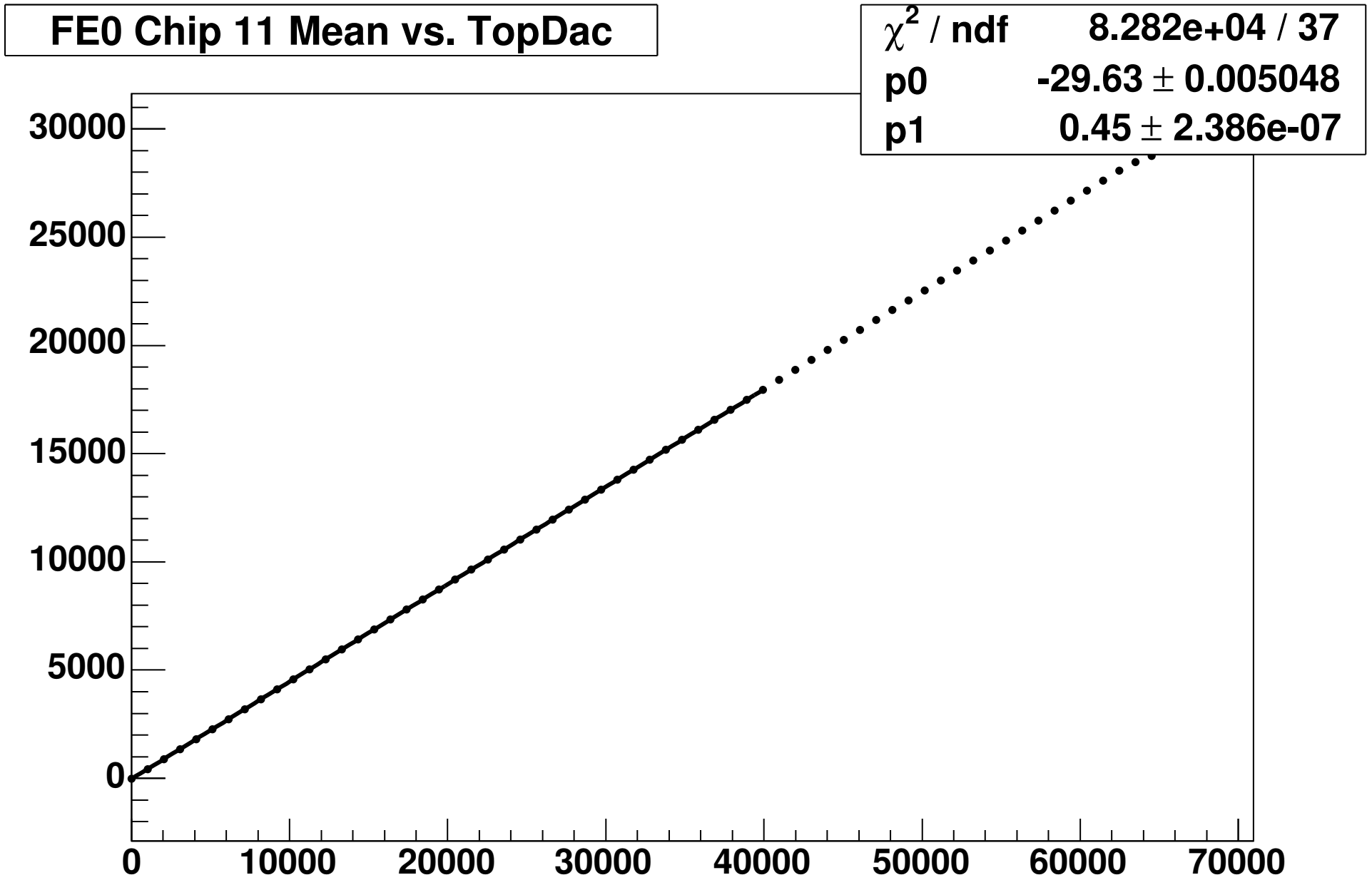
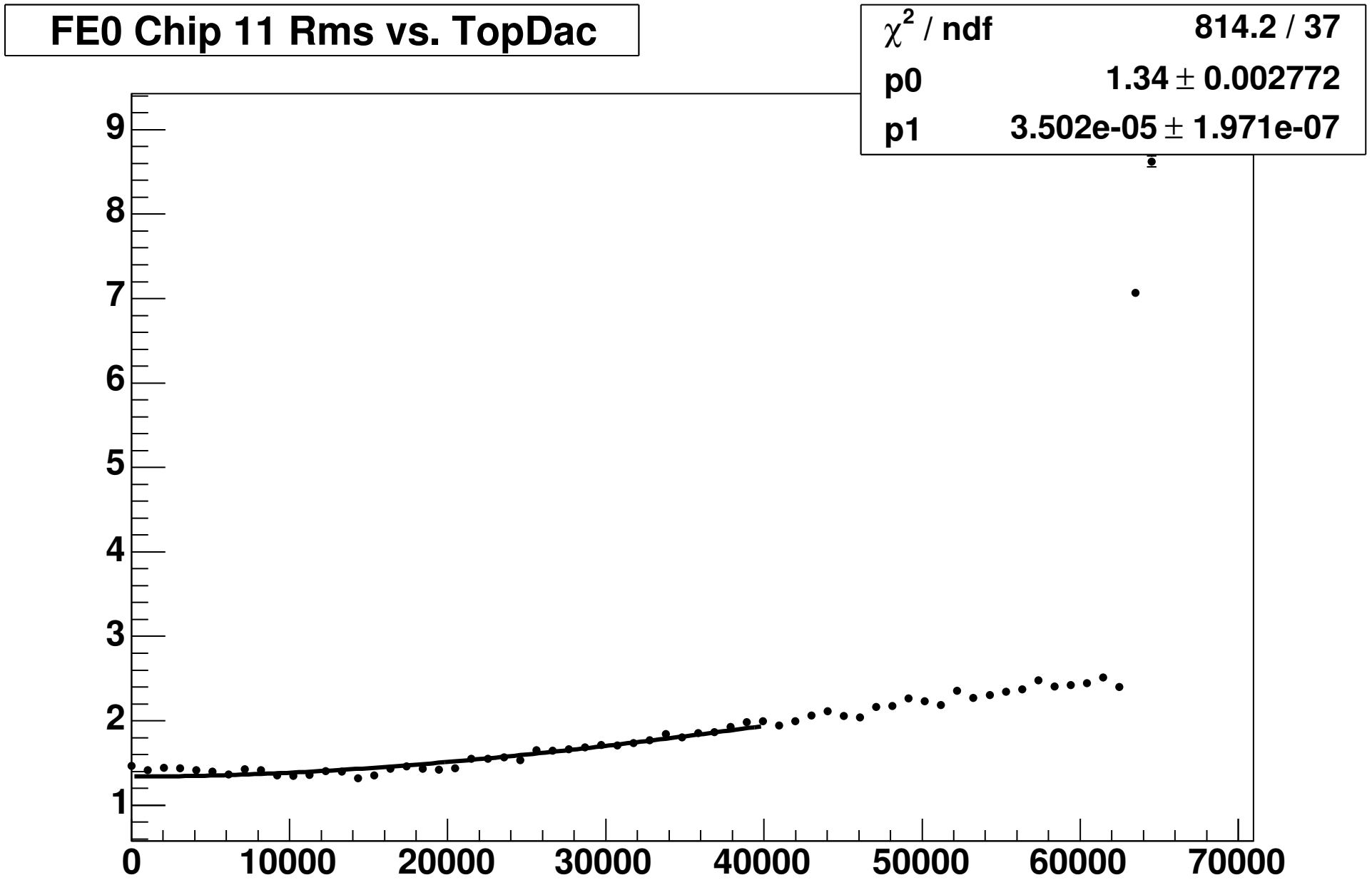
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 806.2 / 37
p0 1.334 ± 0.002762
p1 3.506e-05 ± 1.958e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 445.9 / 37
p0 -29.26 ± 0.005056
p1 6.585e-06 ± 2.149e-07
-29
-29.1
-29.2
-29.3
-29.4
-29.5
-29.6
-29.7
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 37.01 / 37
p0 1.454 ± 0.001753
p1 8.548e-16 ± 2.265e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 8.282e+04 / 37
p0 -29.63 ± 0.005048
p1 0.45 ± 2.386e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. TopDac
χ² / ndf 814.2 / 37
p0 1.34 ± 0.002772
p1 3.502e-05 ± 1.971e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
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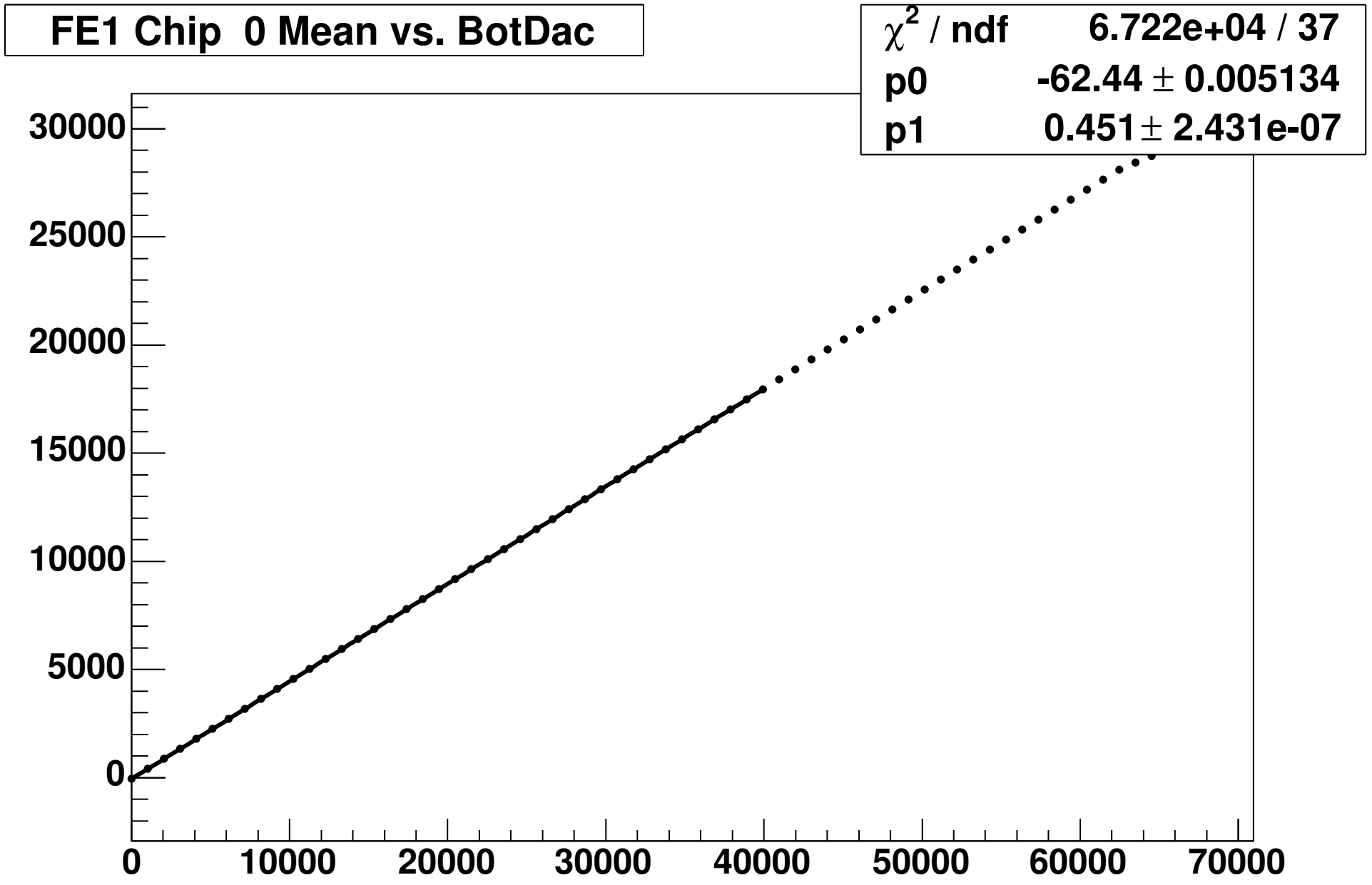
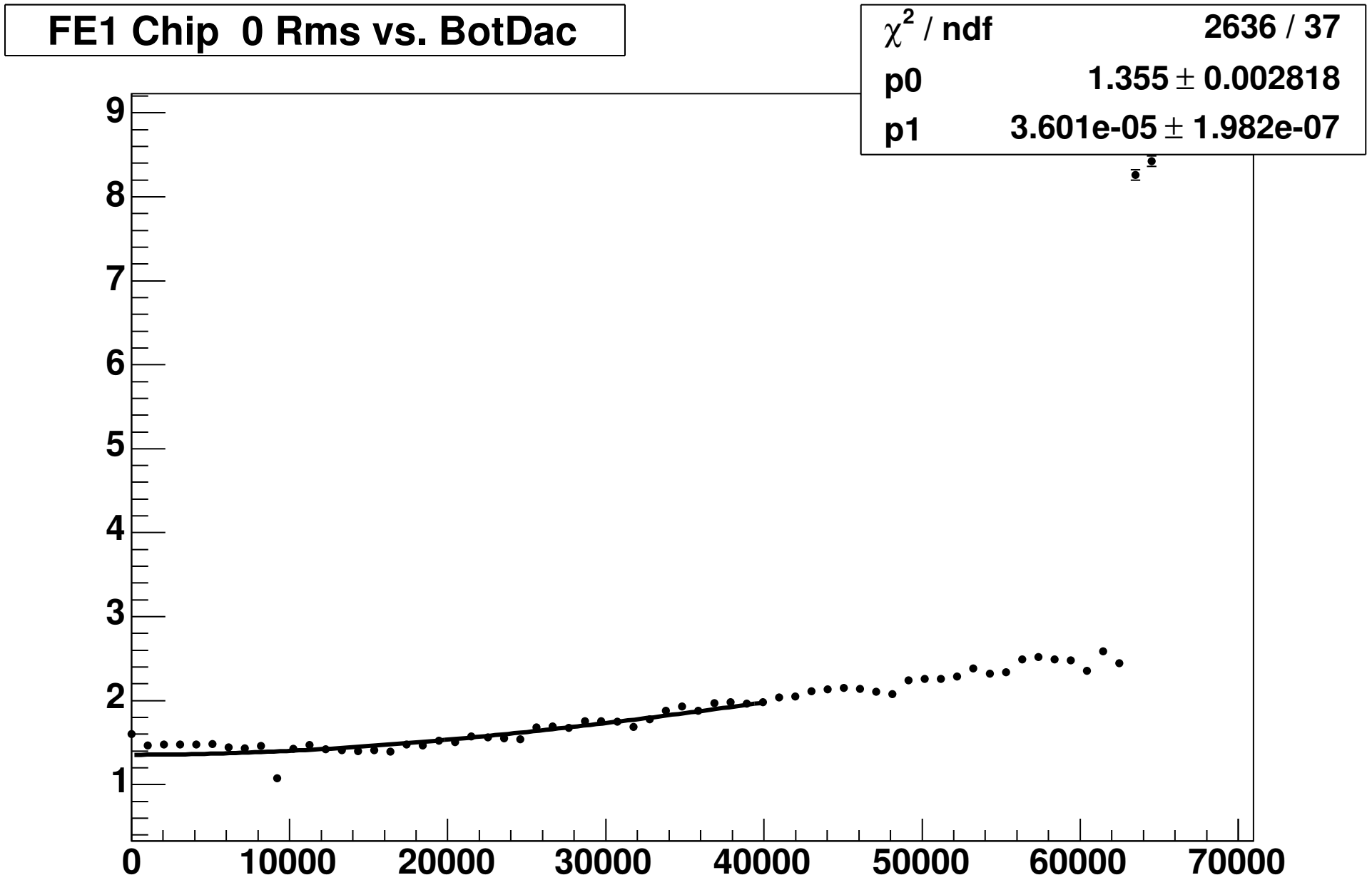
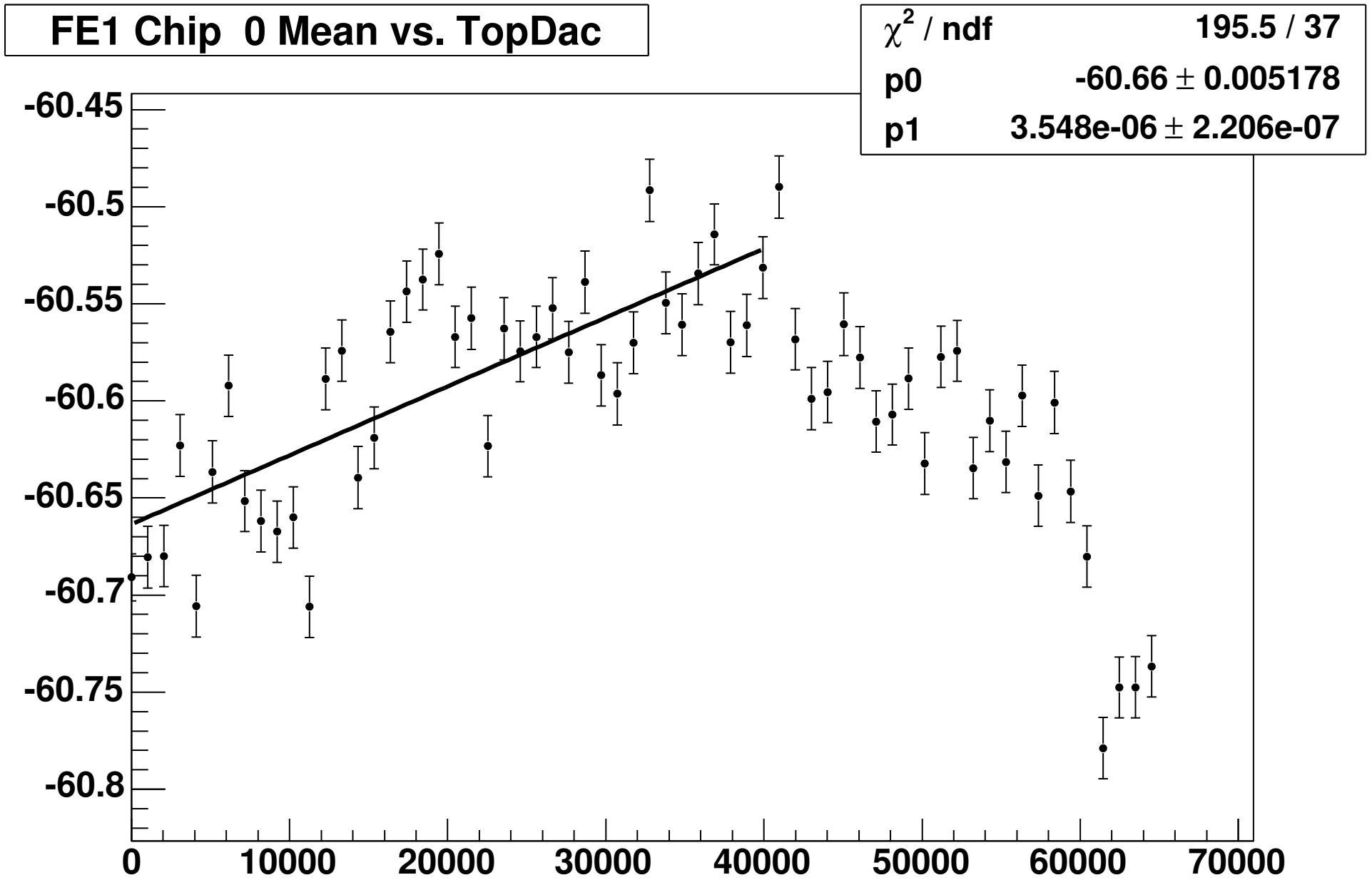
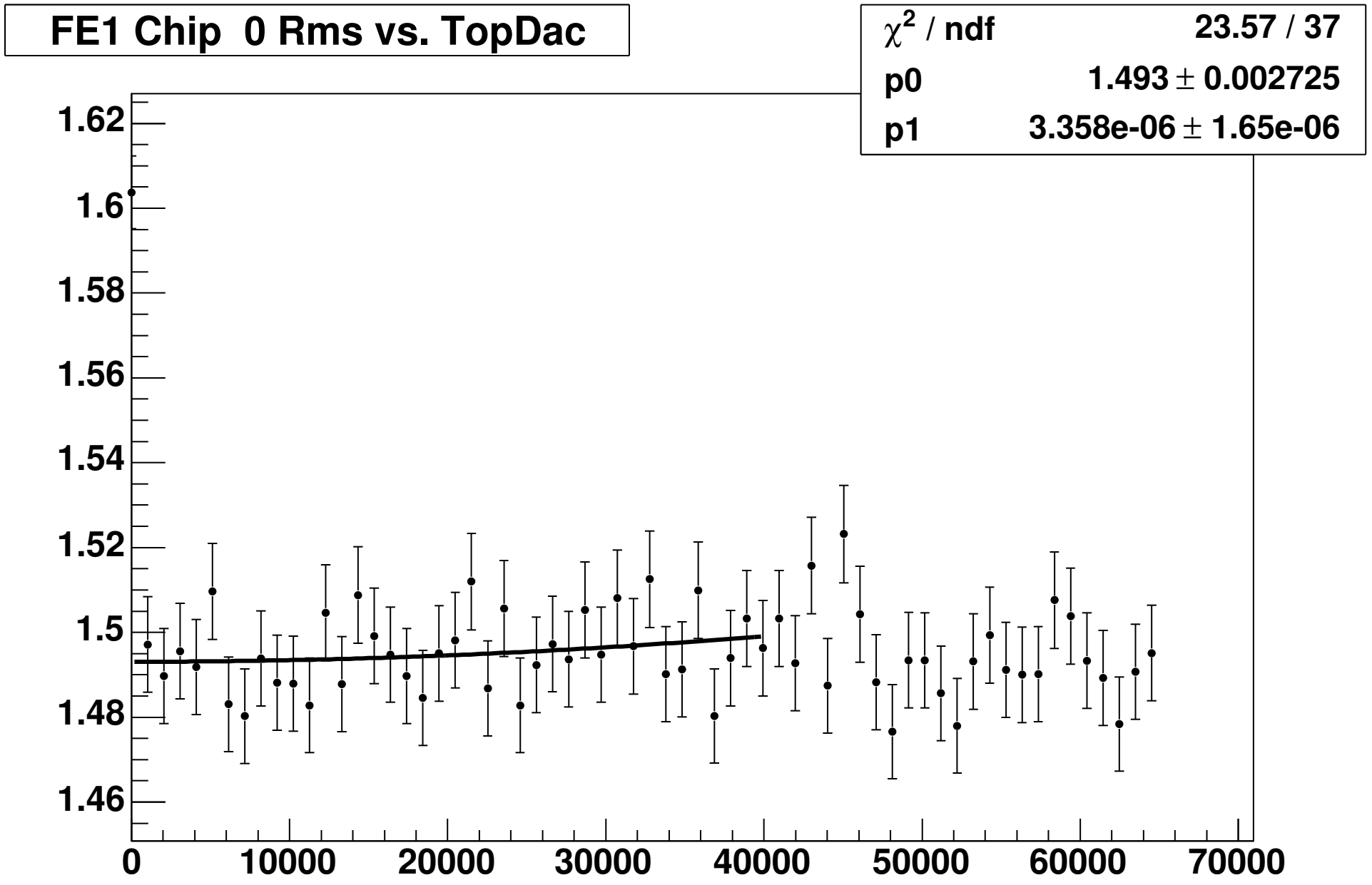
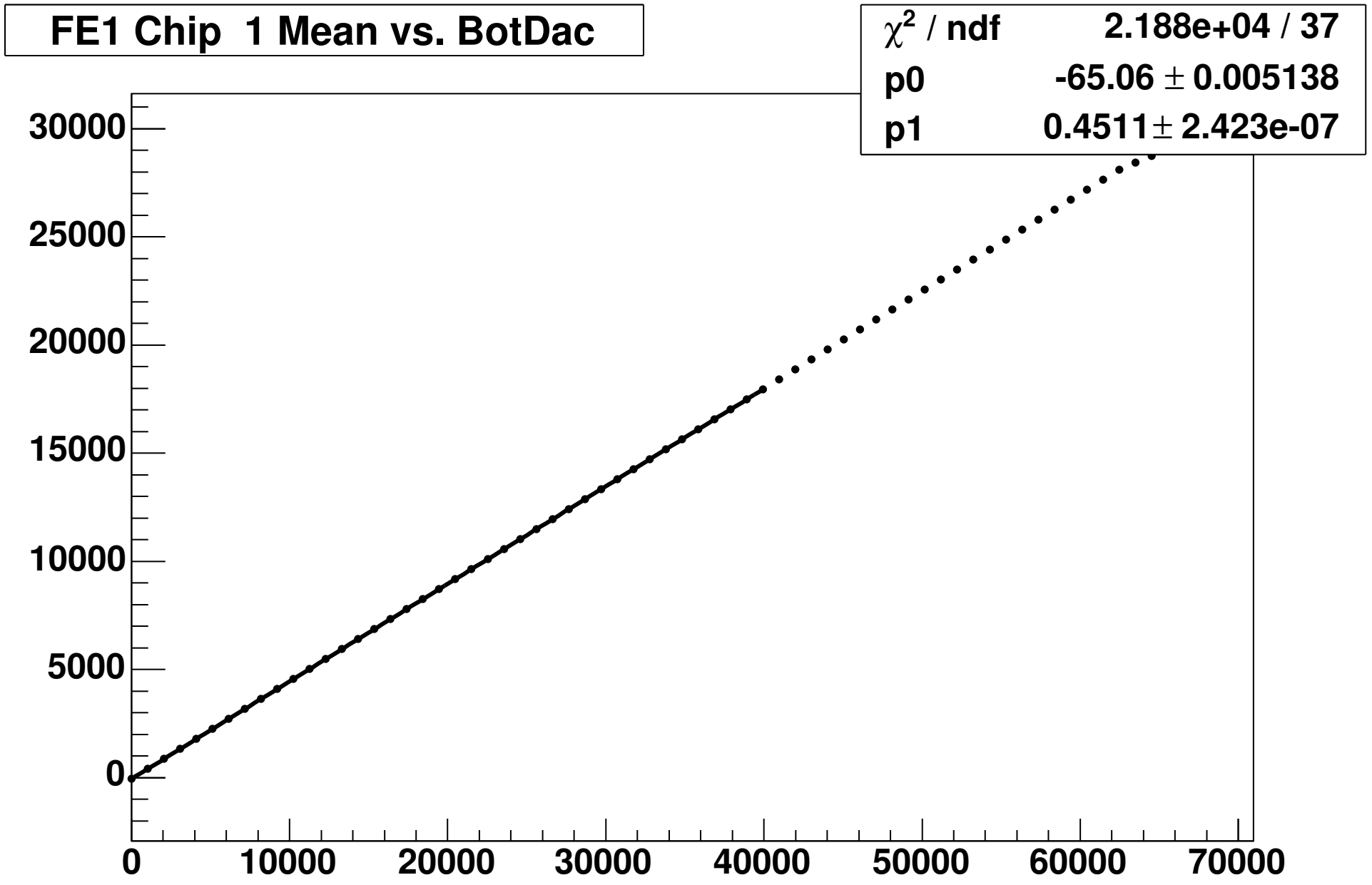

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 6.722e+04 / 37
p0 -62.44 ± 0.005134
p1 0.451 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 2636 / 37
p0 1.355 ± 0.002818
p1 3.601e-05 ± 1.982e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 195.5 / 37
p0 -60.66 ± 0.005178
p1 3.548e-06 ± 2.206e-07
-60.45
-60.5
-60.55
-60.6
-60.65
-60.7
-60.75
-60.8
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 23.57 / 37
p0 1.493 ± 0.002725
p1 3.358e-06 ± 1.65e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 2.188e+04 / 37
p0 -65.06 ± 0.005138
p1 0.4511 ± 2.423e-07
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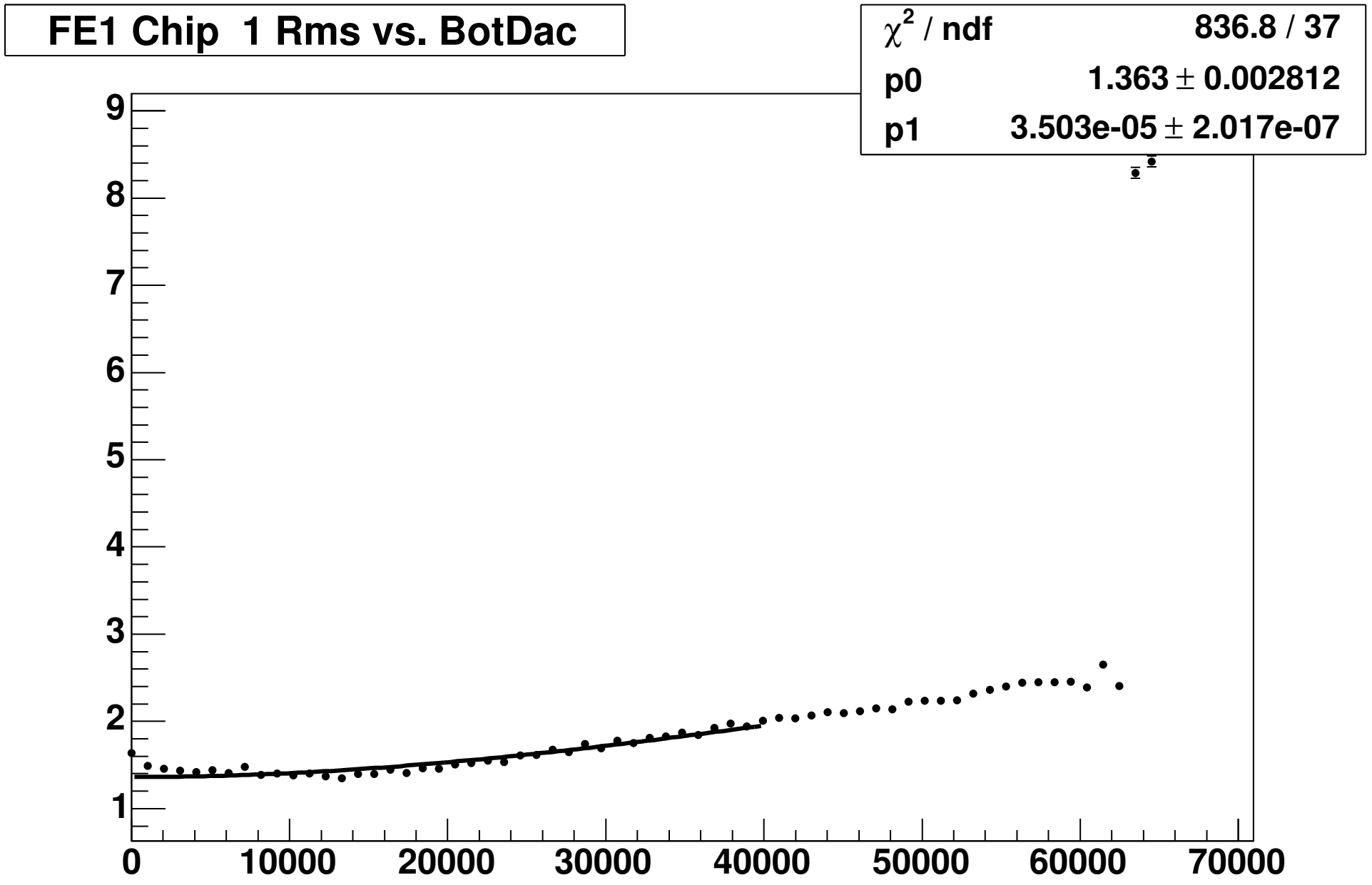
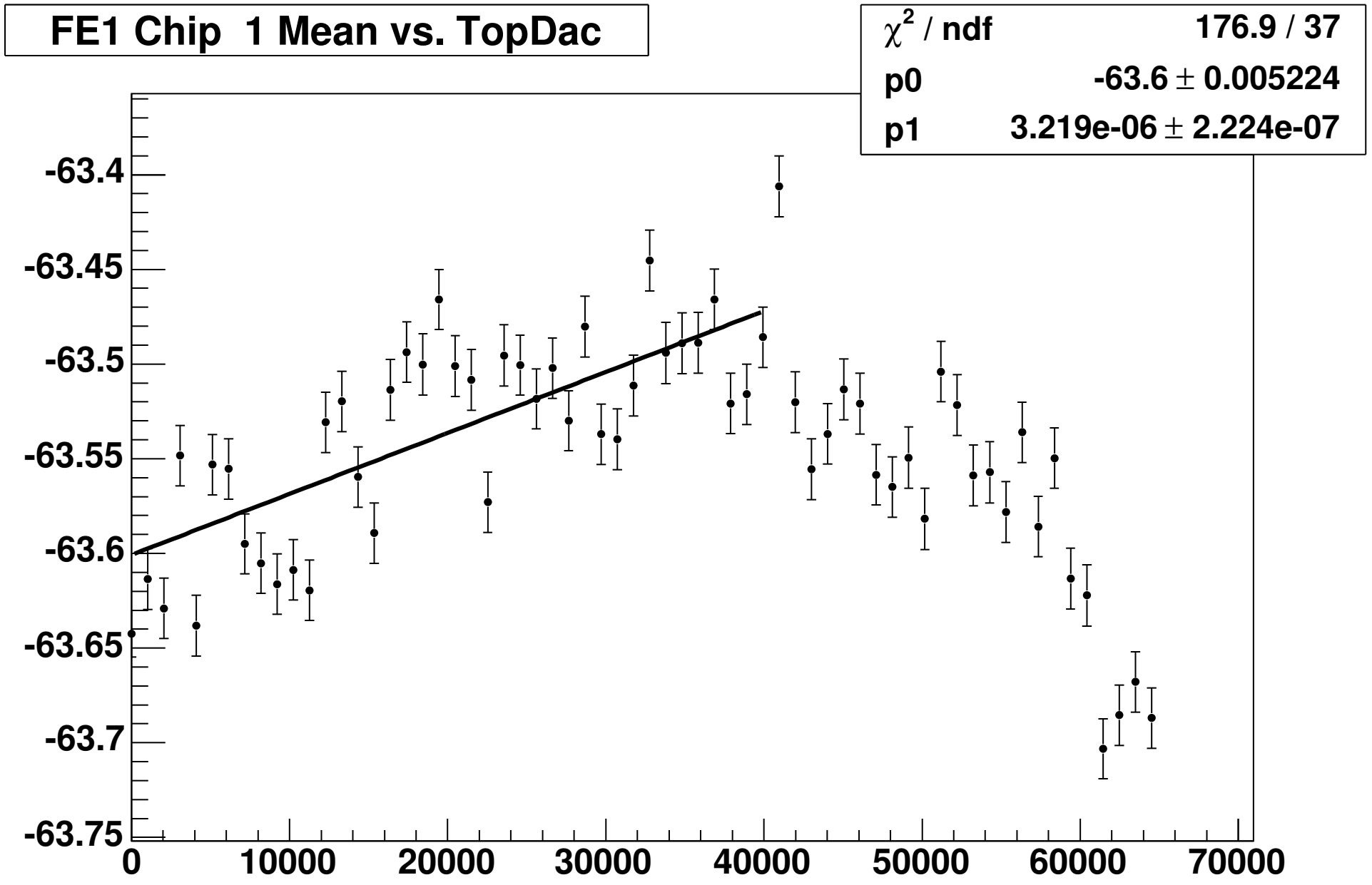
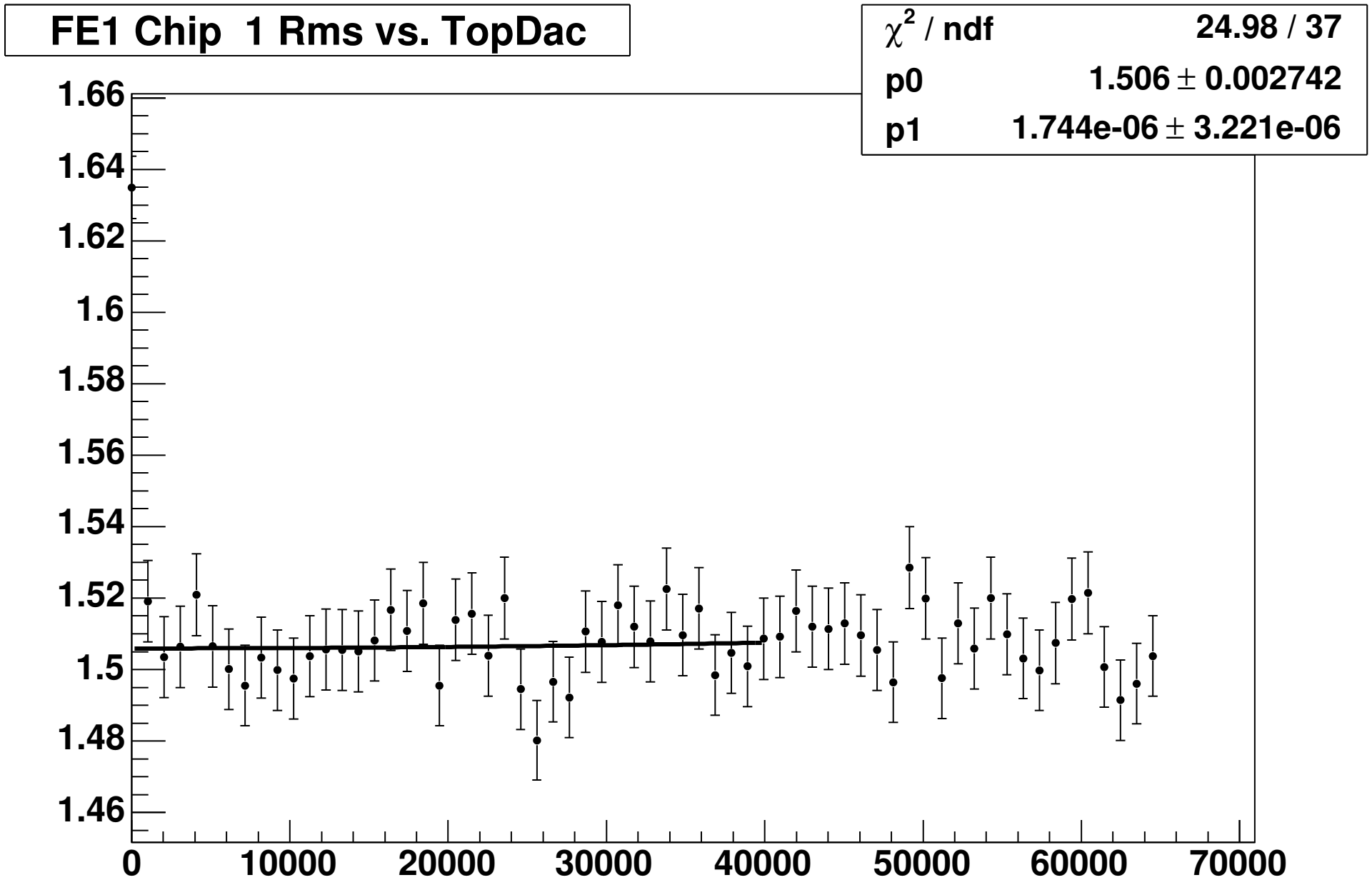
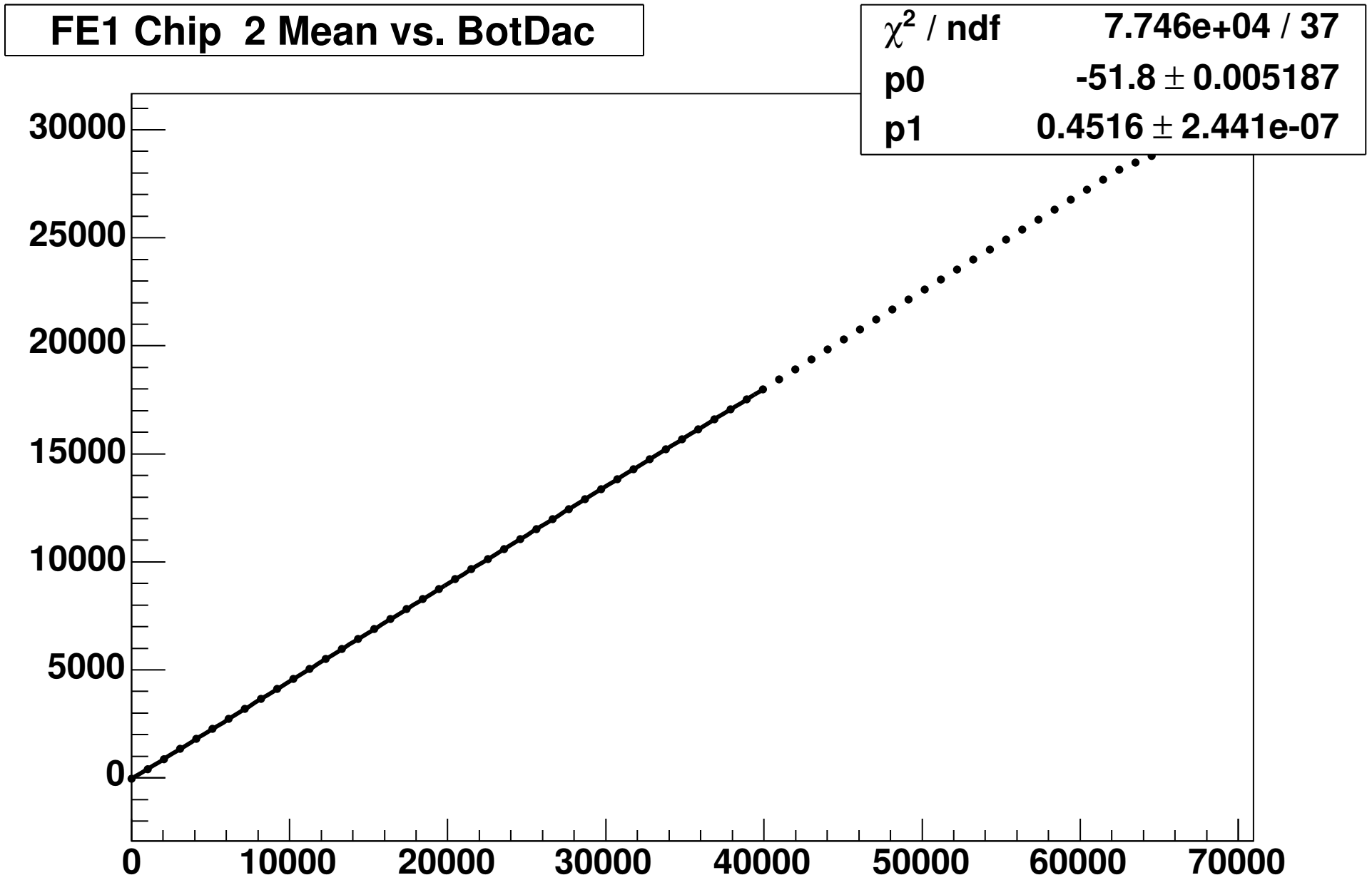
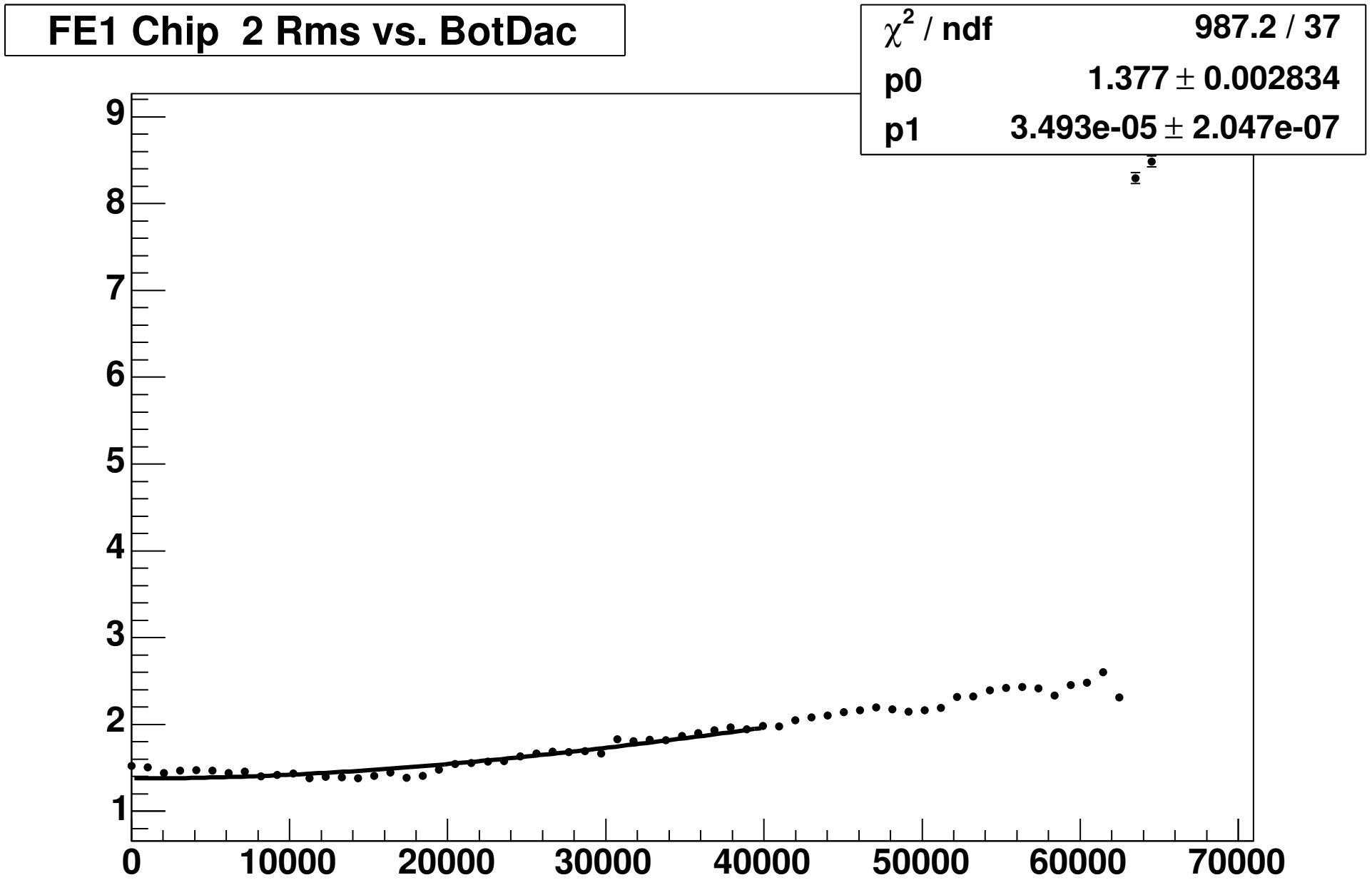
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

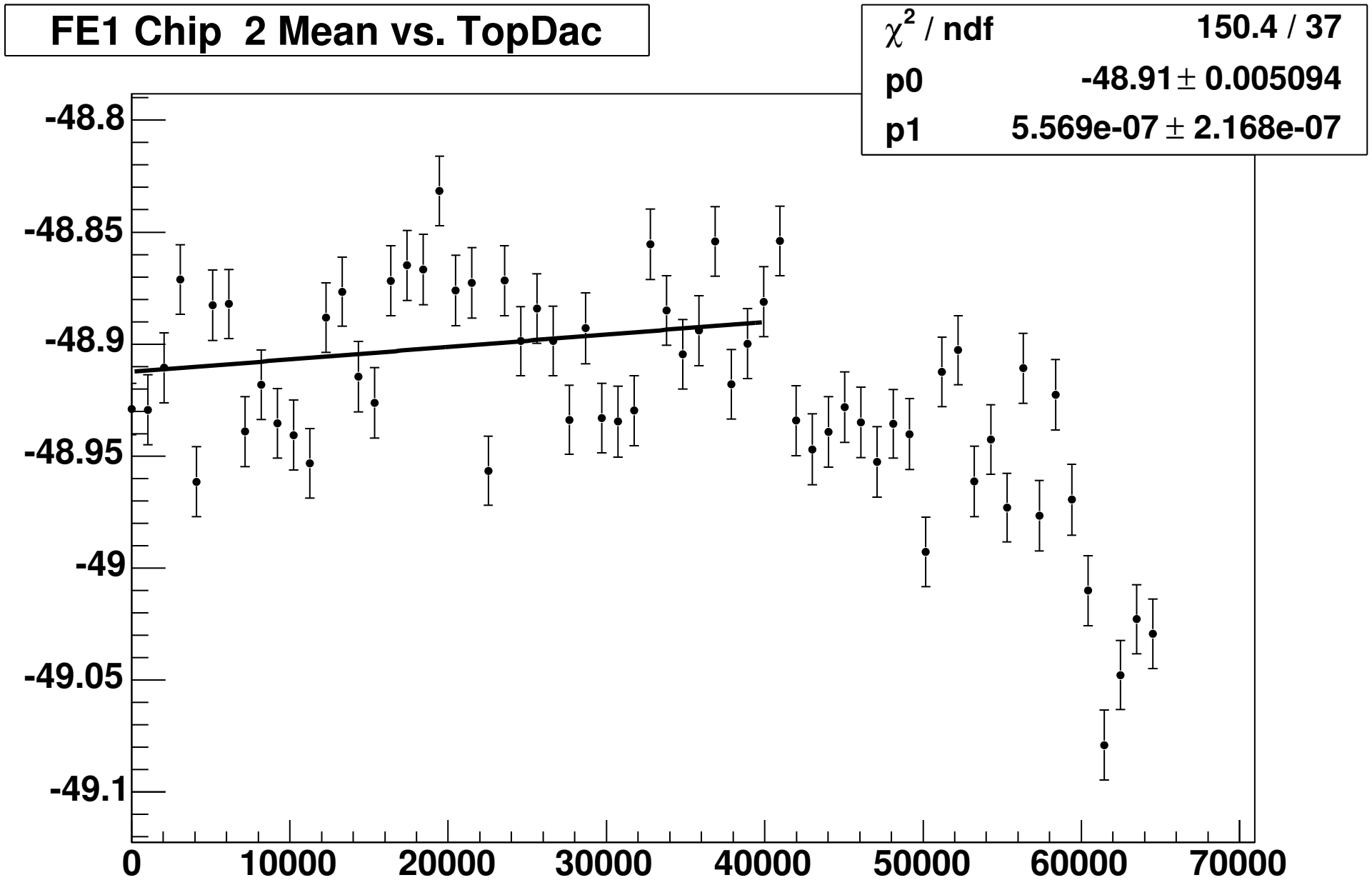

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 836.8 / 37
p0 1.363 ± 0.002812
p1 3.503e-05 ± 2.017e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

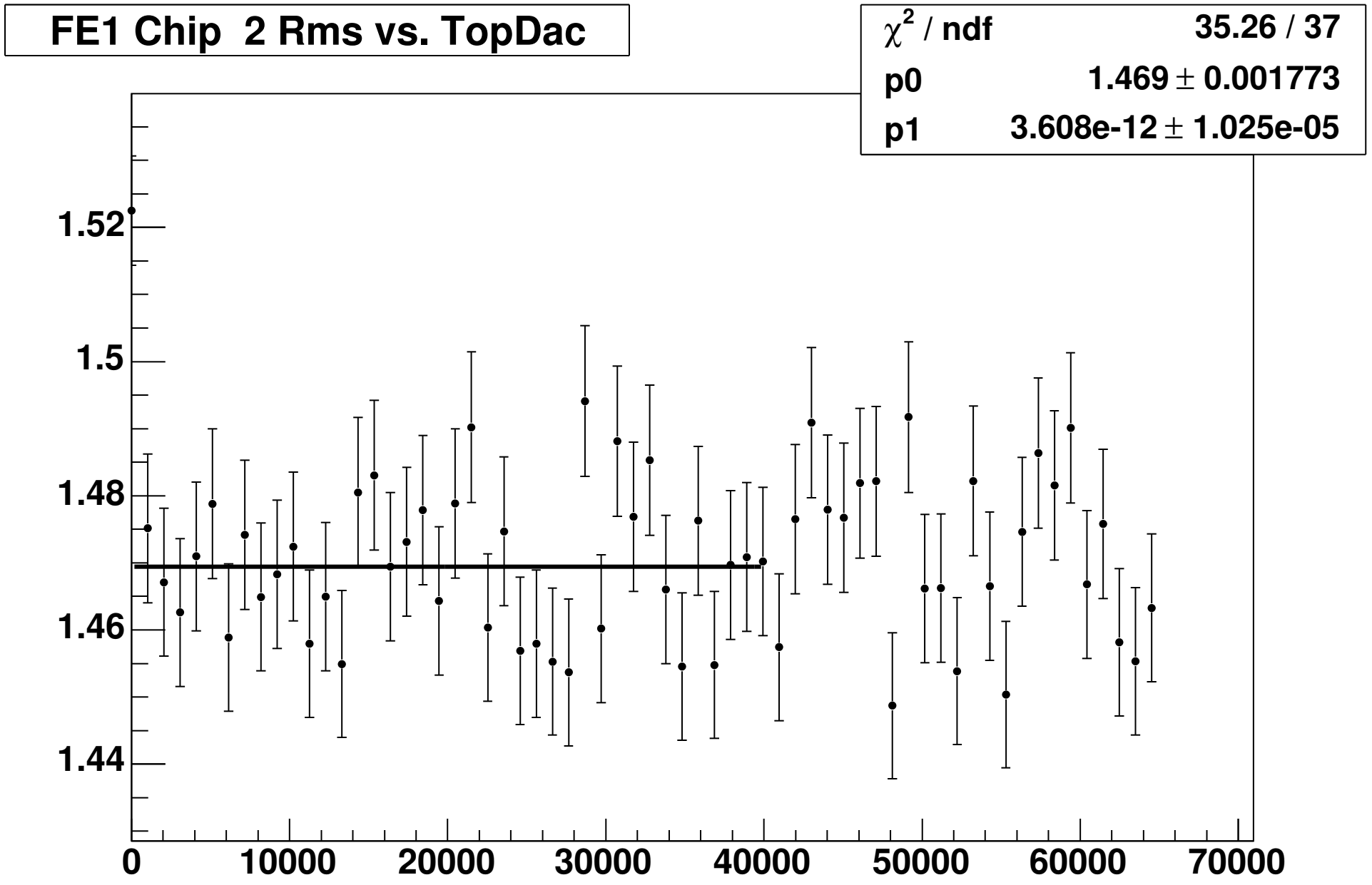

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 176.9 / 37
p0 -63.6 ± 0.005224
p1 3.219e-06 ± 2.224e-07
-63.4
-63.45
-63.5
-63.55
-63.6
-63.65
-63.7
-63.75
0
10000
20000
30000
40000
50000
60000
70000

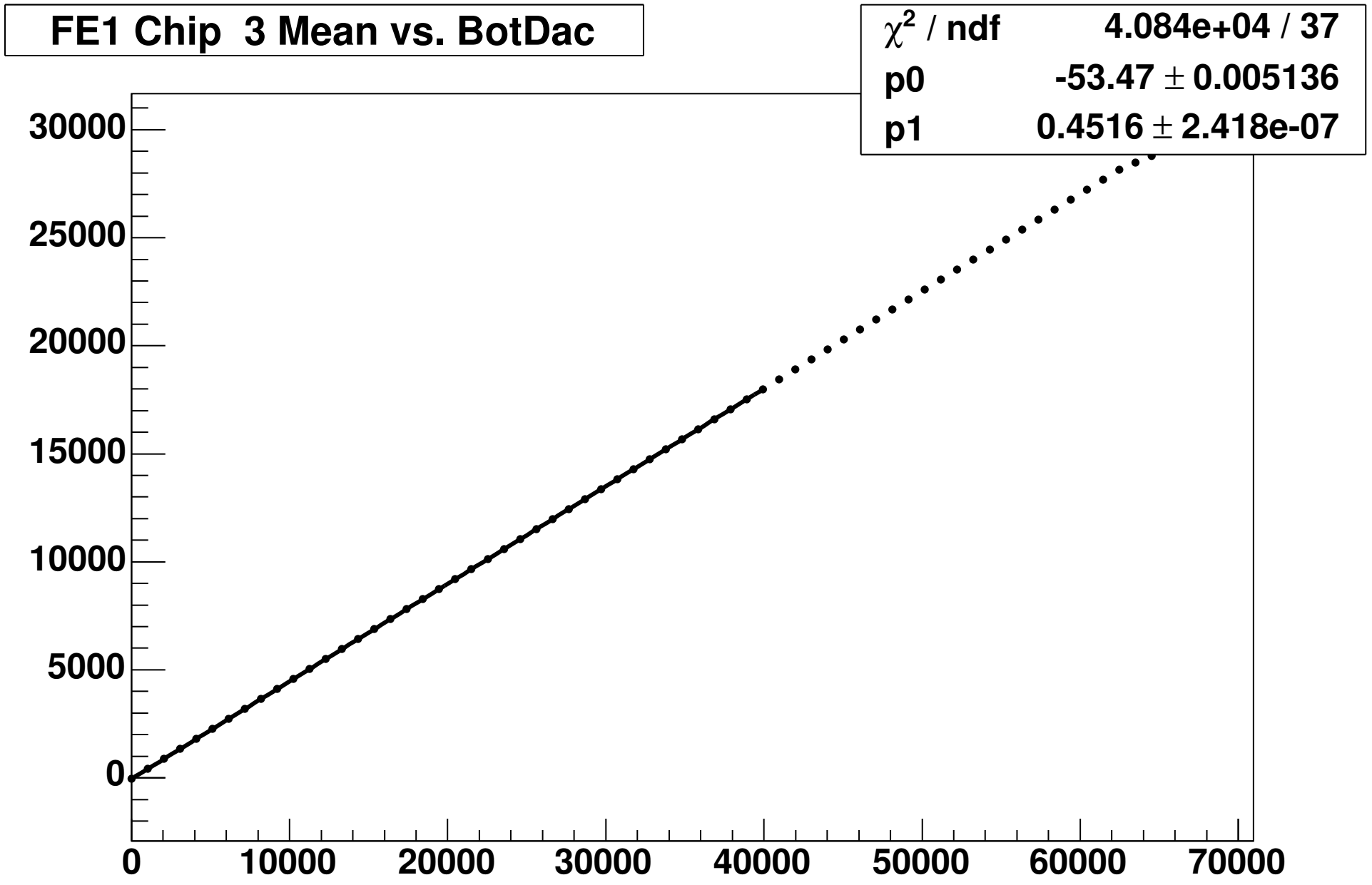

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 24.98 / 37
p0 1.506 ± 0.002742
p1 1.744e-06 ± 3.221e-06
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

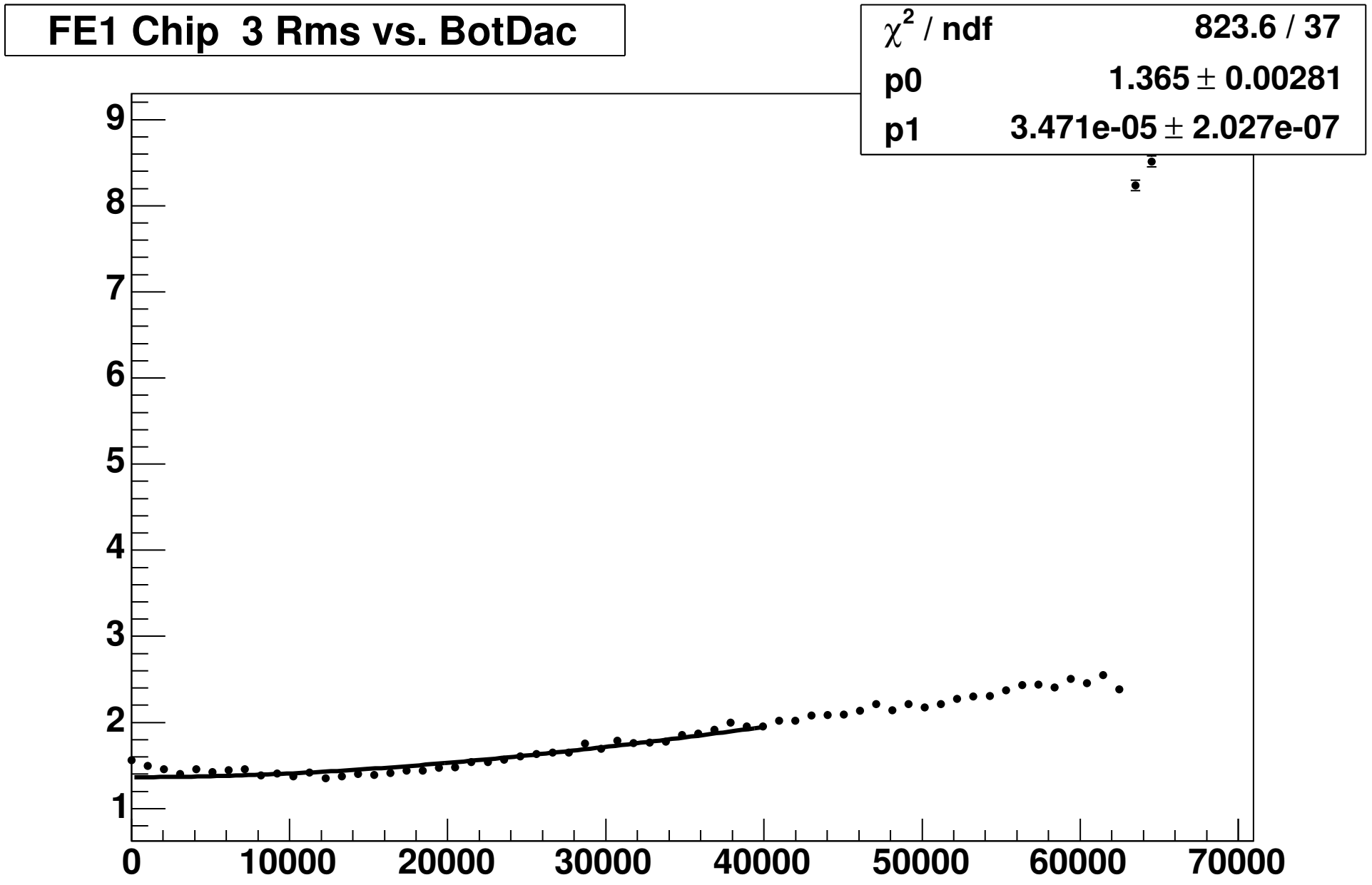

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 7.746e+04 / 37
p0 -51.8 ± 0.005187
p1 0.4516 ± 2.441e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. BotDac
χ² / ndf 987.2 / 37
p0 1.377 ± 0.002834
p1 3.493e-05 ± 2.047e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 150.4 / 37
p0 -48.91 ± 0.005094
p1 5.569e-07 ± 2.168e-07
-48.8
-48.85
-48.9
-48.95
-49
-49.05
-49.1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 35.26 / 37
p0 1.469 ± 0.001773
p1 3.608e-12 ± 1.025e-05
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 4.084e+04 / 37
p0 -53.47 ± 0.005136
p1 0.4516 ± 2.418e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 823.6 / 37
p0 1.365 ± 0.00281
p1 3.471e-05 ± 2.027e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
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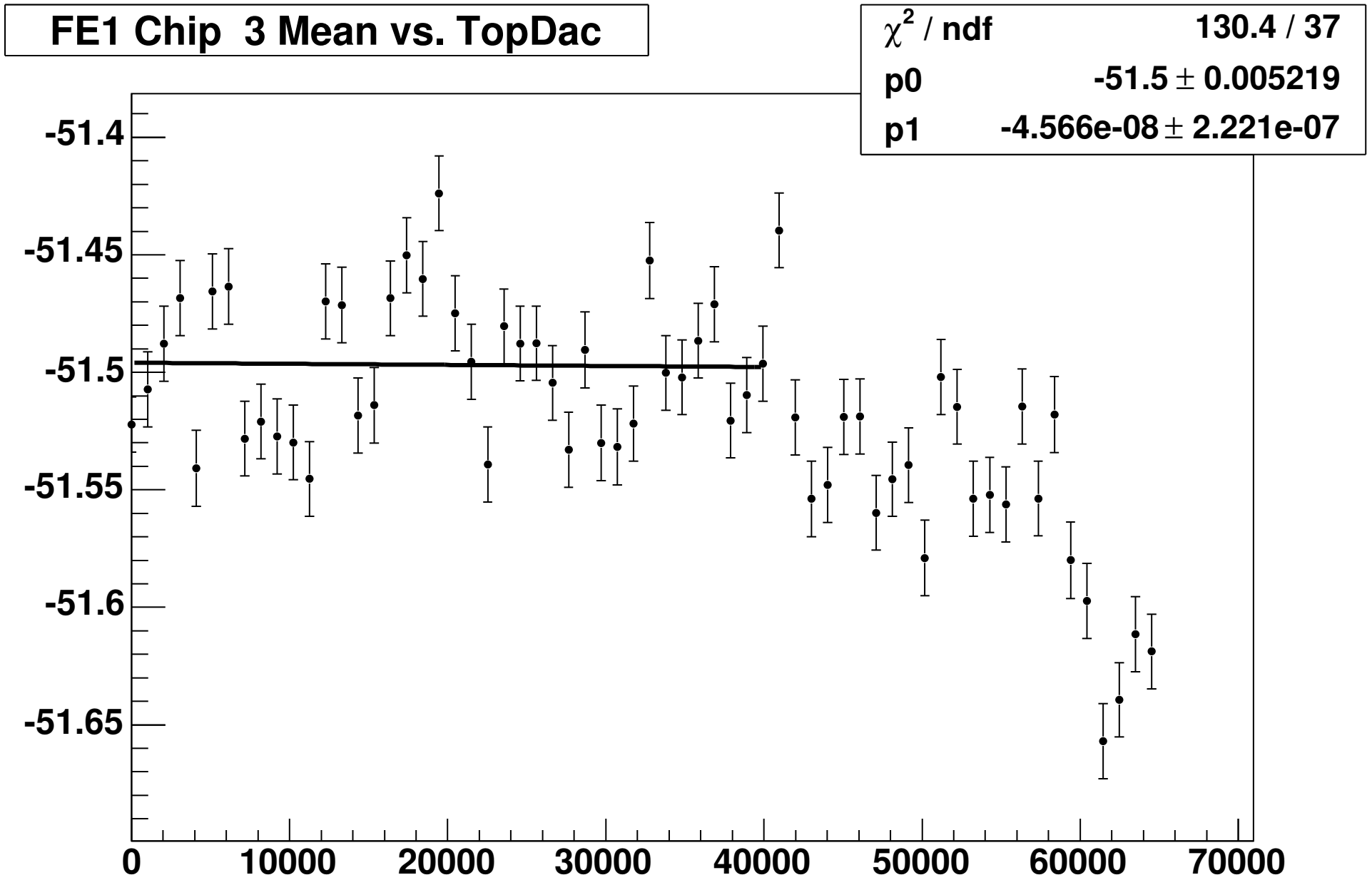
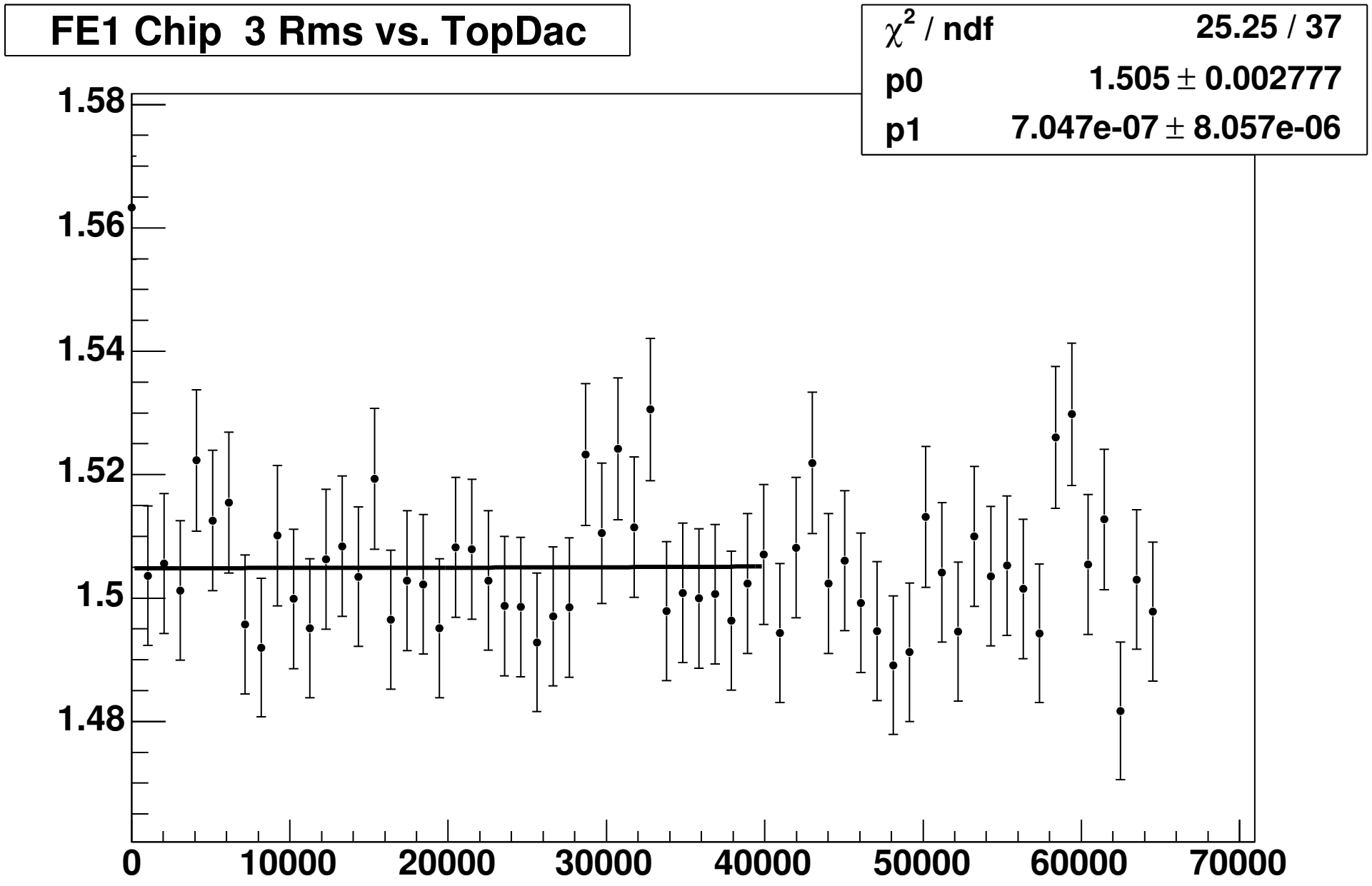
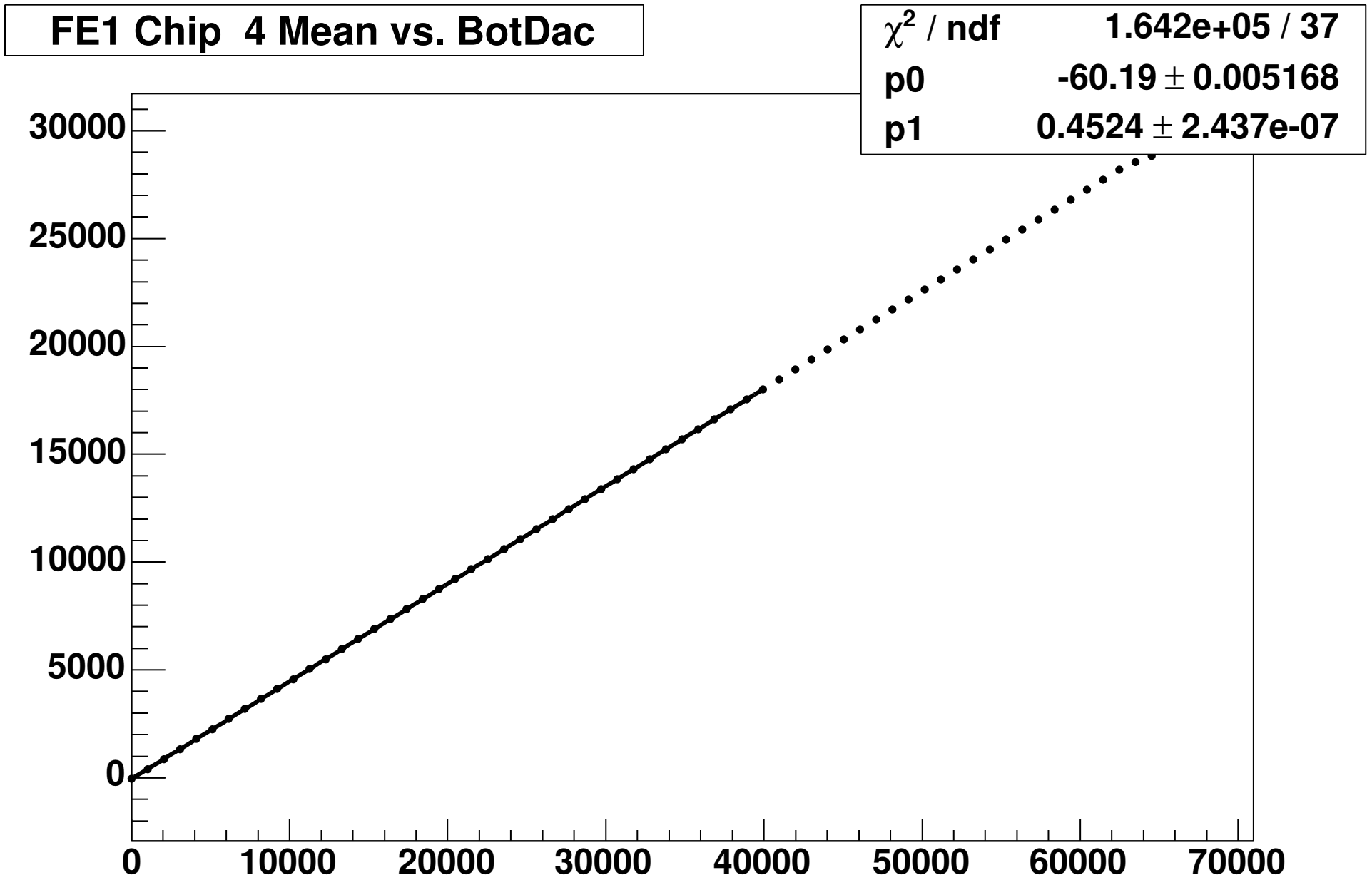
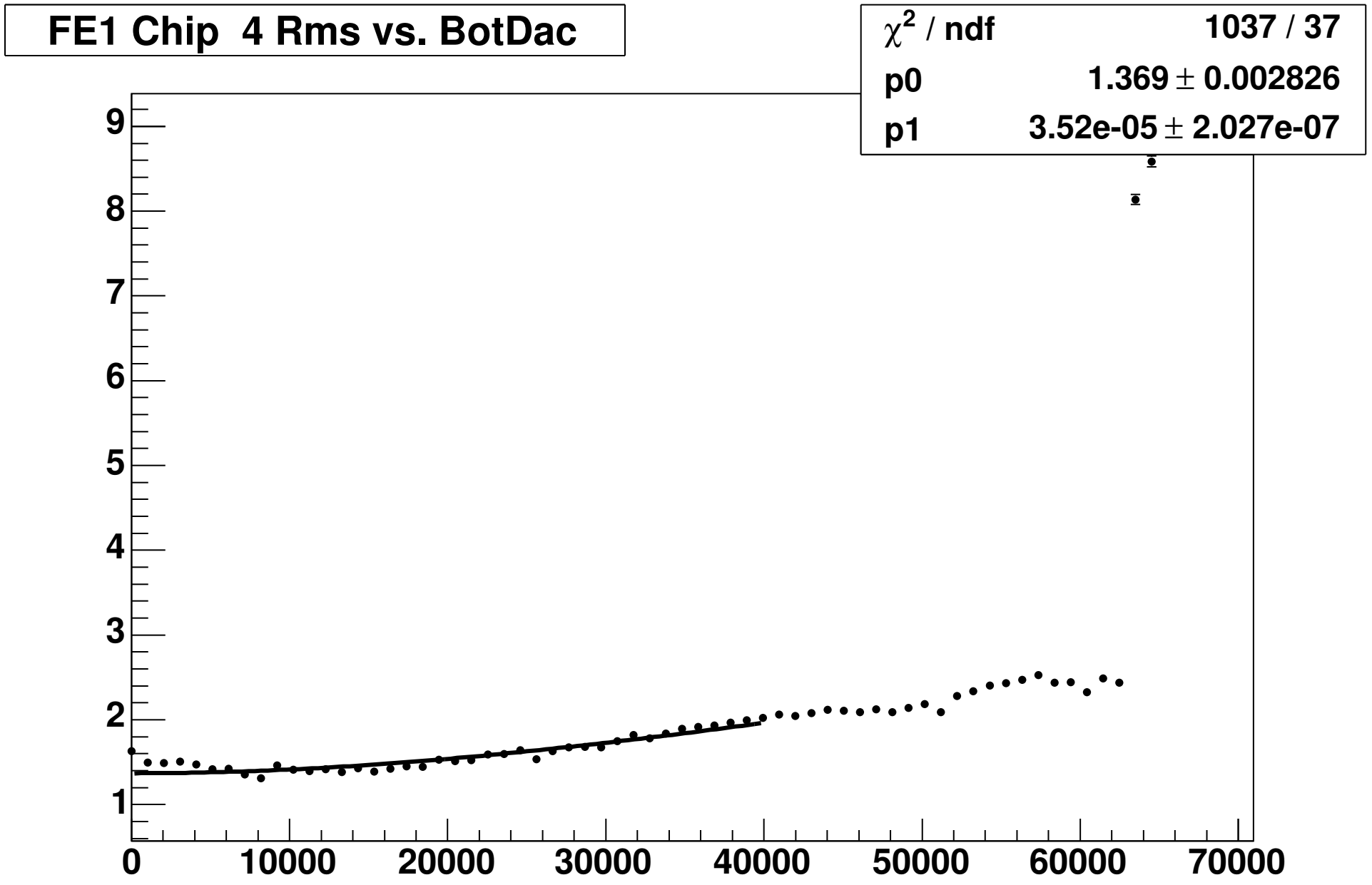
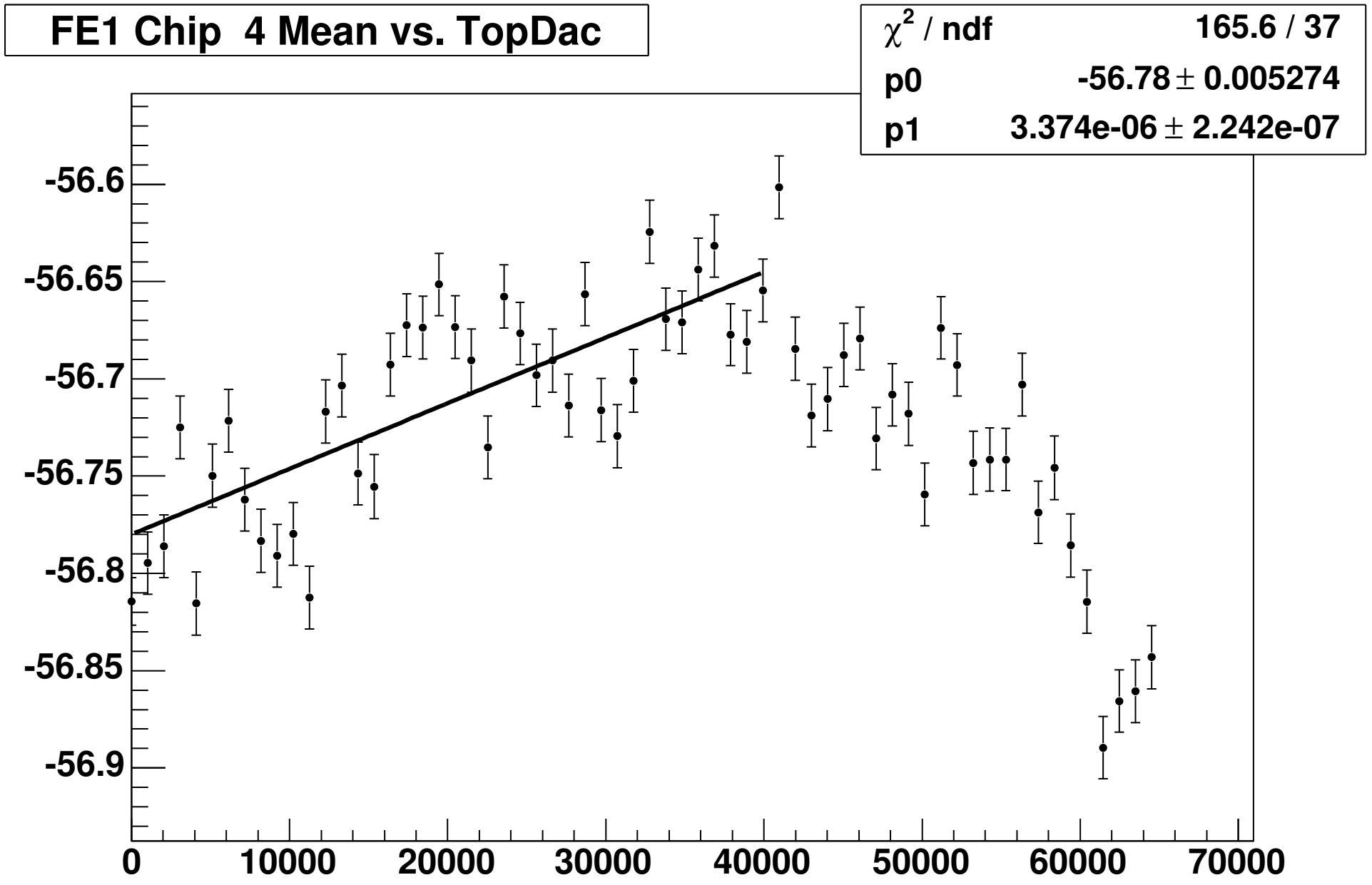
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 130.4 / 37
p0 -51.5 ± 0.005219
p1 -4.566e-08 ± 2.221e-07
-51.4
-51.45
-51.5
-51.55
-51.6
-51.65
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 25.25 / 37
p0 1.505 ± 0.002777
p1 7.047e-07 ± 8.057e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.642e+05 / 37
p0 -60.19 ± 0.005168
p1 0.4524 ± 2.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 1037 / 37
p0 1.369 ± 0.002826
p1 3.52e-05 ± 2.027e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 165.6 / 37
p0 -56.78 ± 0.005274
p1 3.374e-06 ± 2.242e-07
-56.6
-56.65
-56.7
-56.75
-56.8
-56.85
-56.9
0
10000
20000
30000
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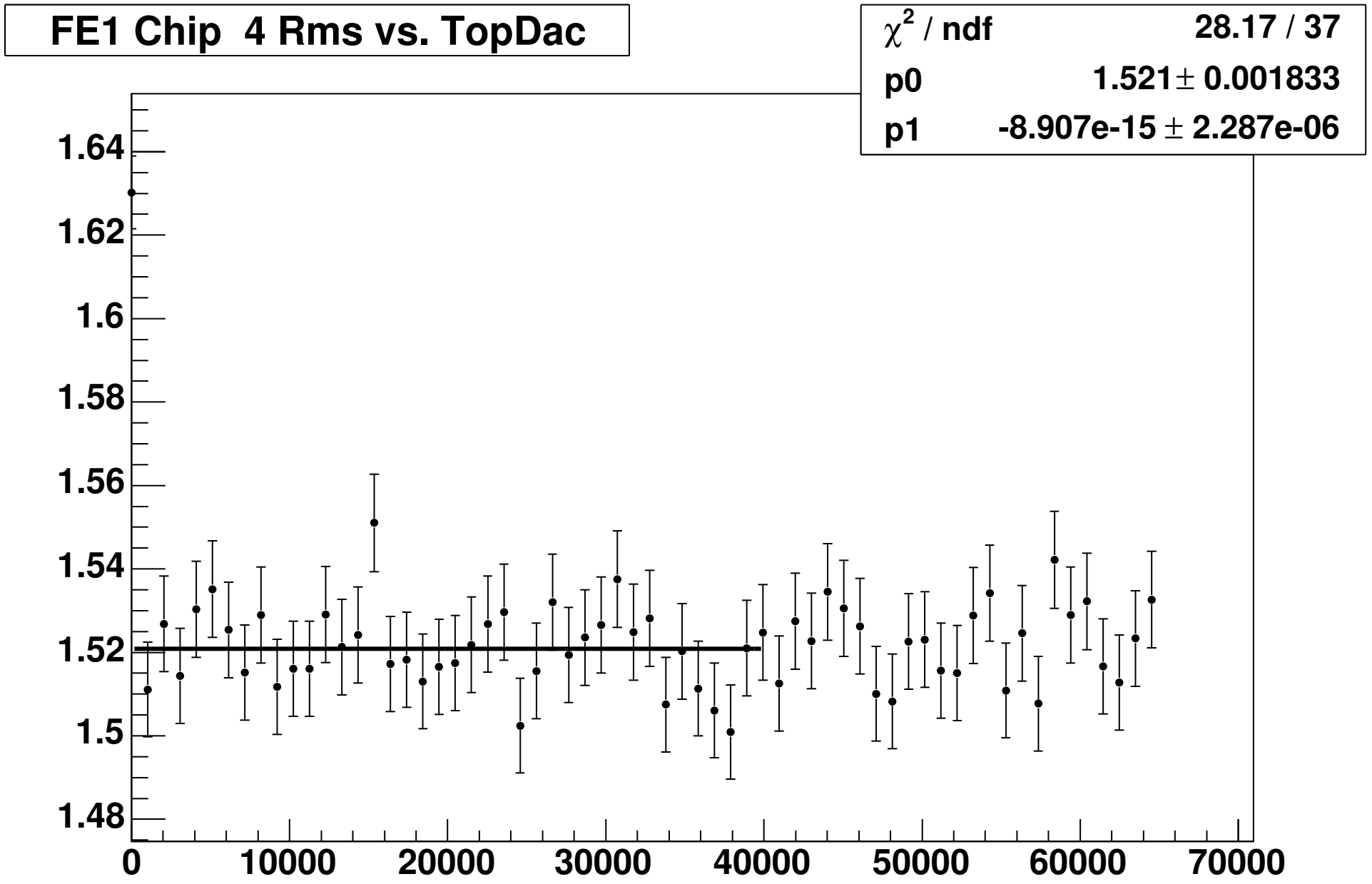
50000
60000
70000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 28.17 / 37
p0 1.521 ± 0.001833
p1 -8.907e-15 ± 2.287e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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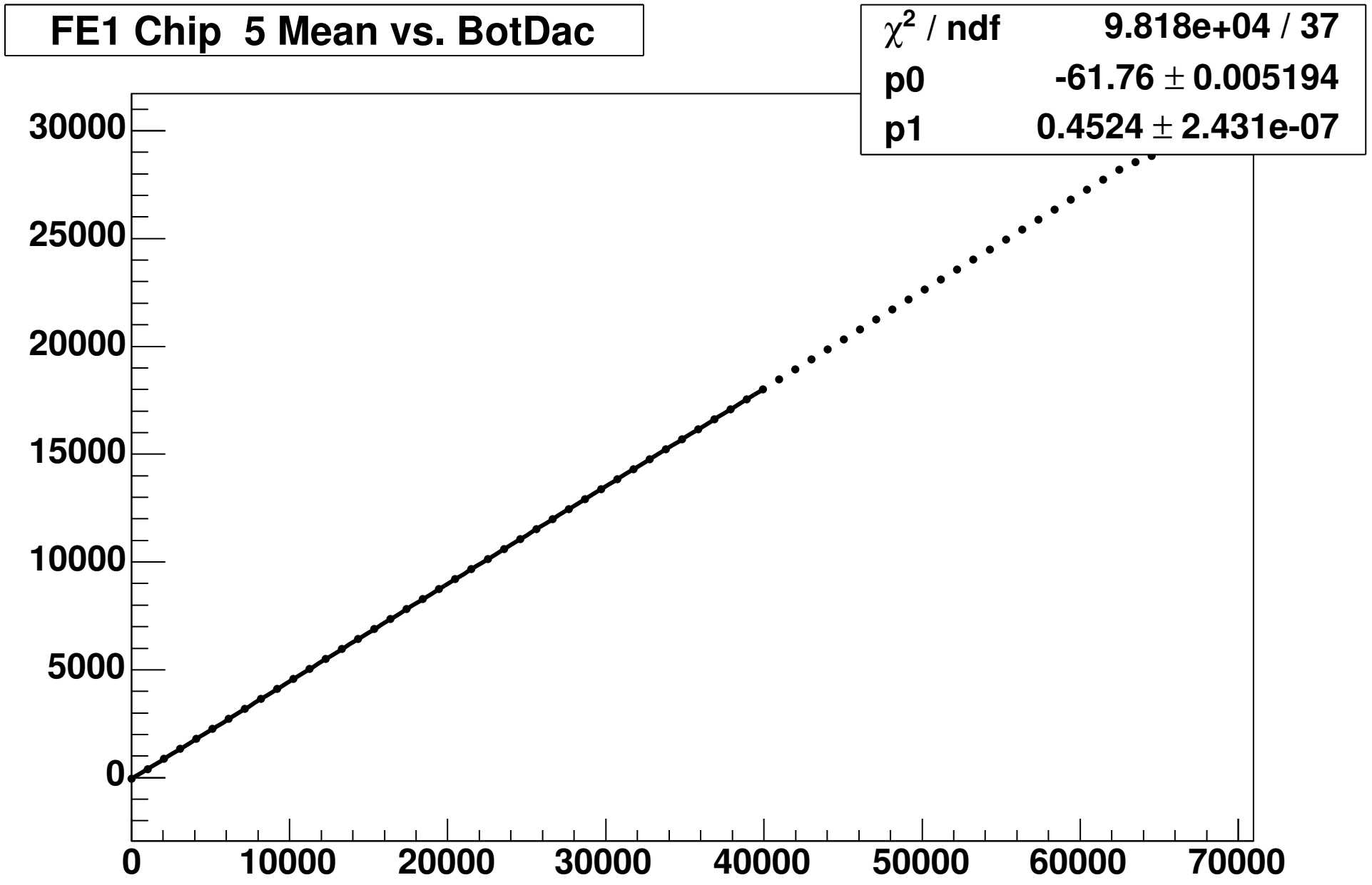
50000
60000
70000


FE1 Chip 5 Mean vs. BotDac
χ² / ndf 9.818e+04 / 37
p0 -61.76 ± 0.005194
p1 0.4524 ± 2.431e-07
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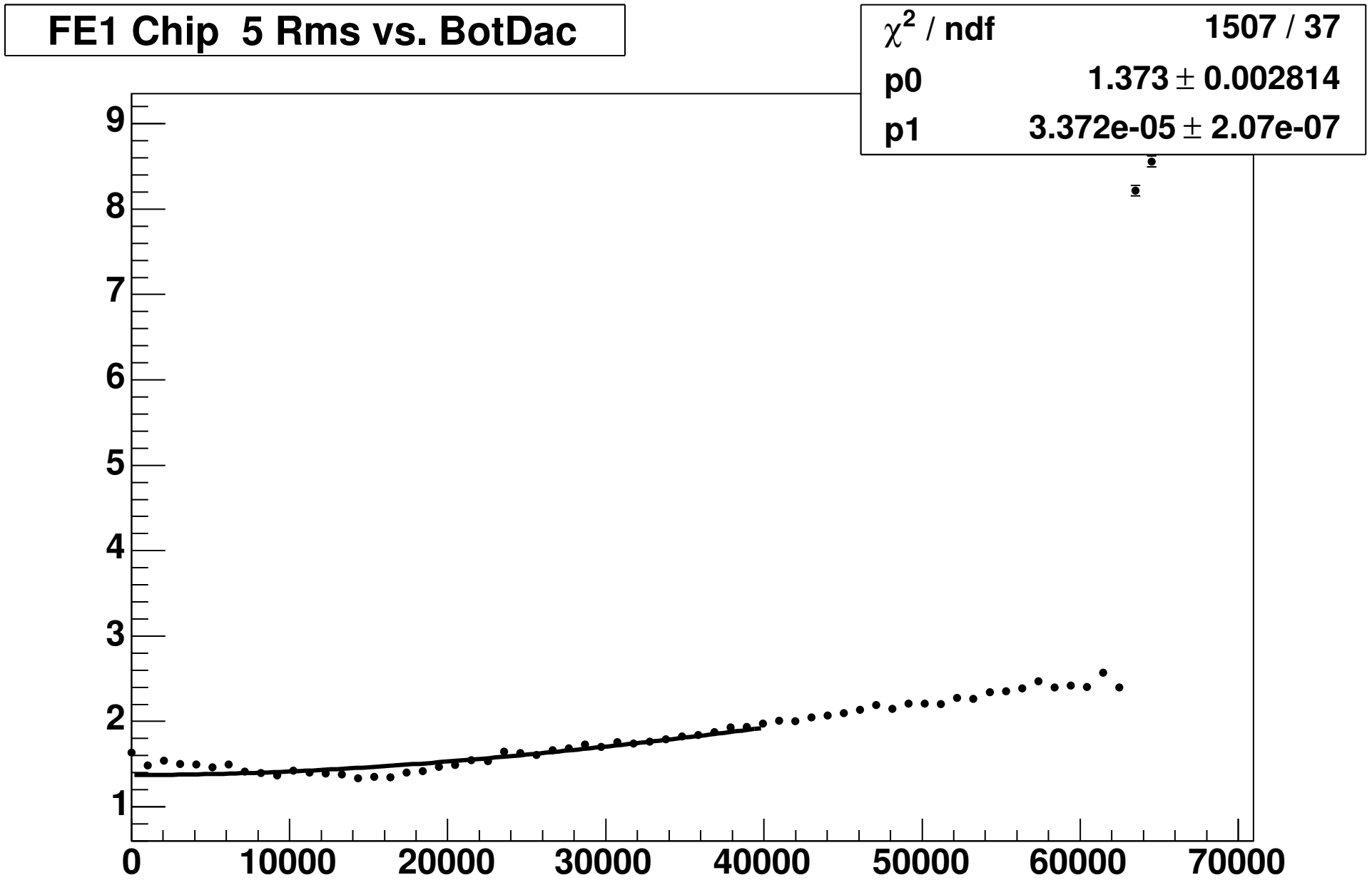
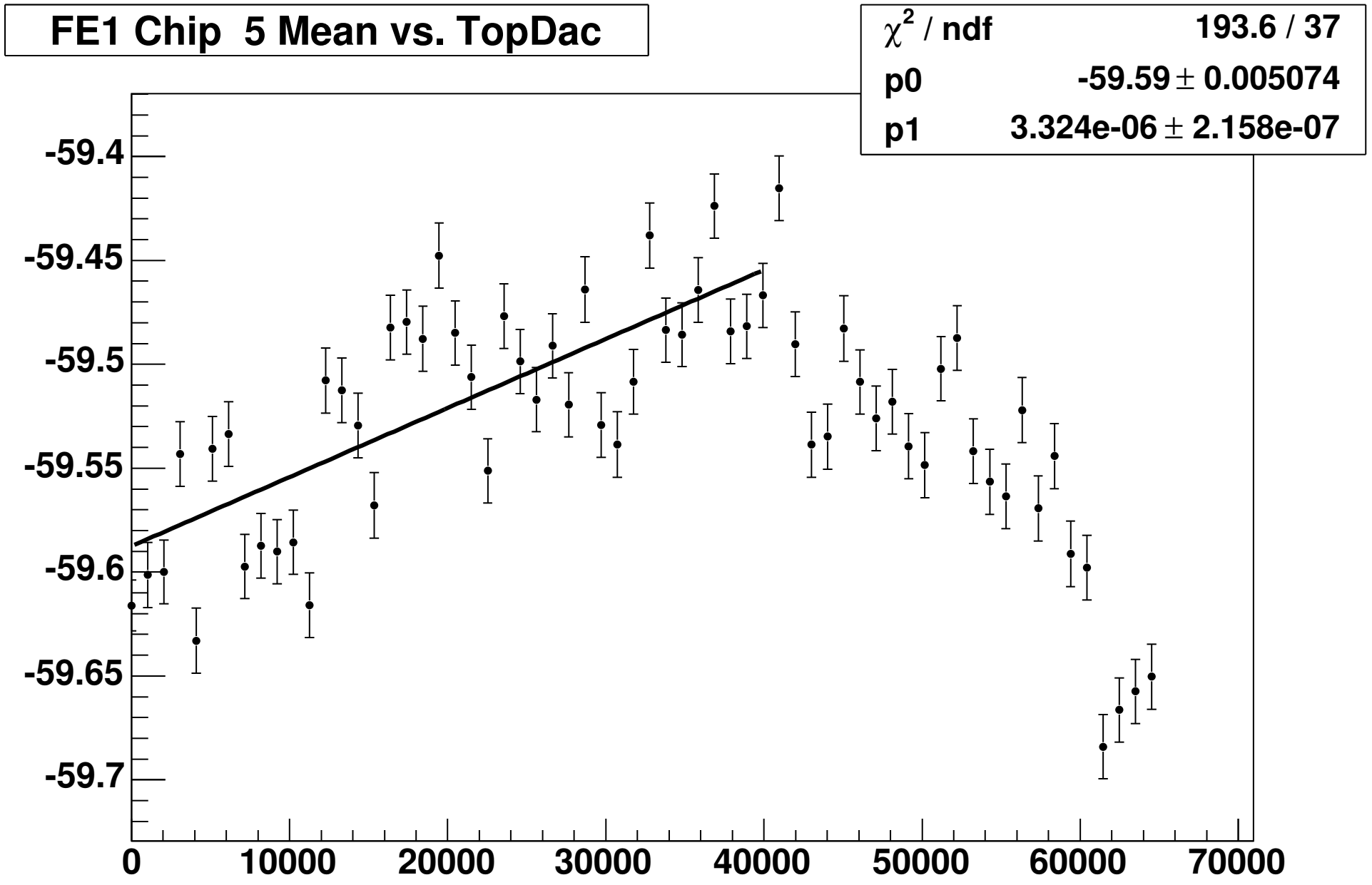
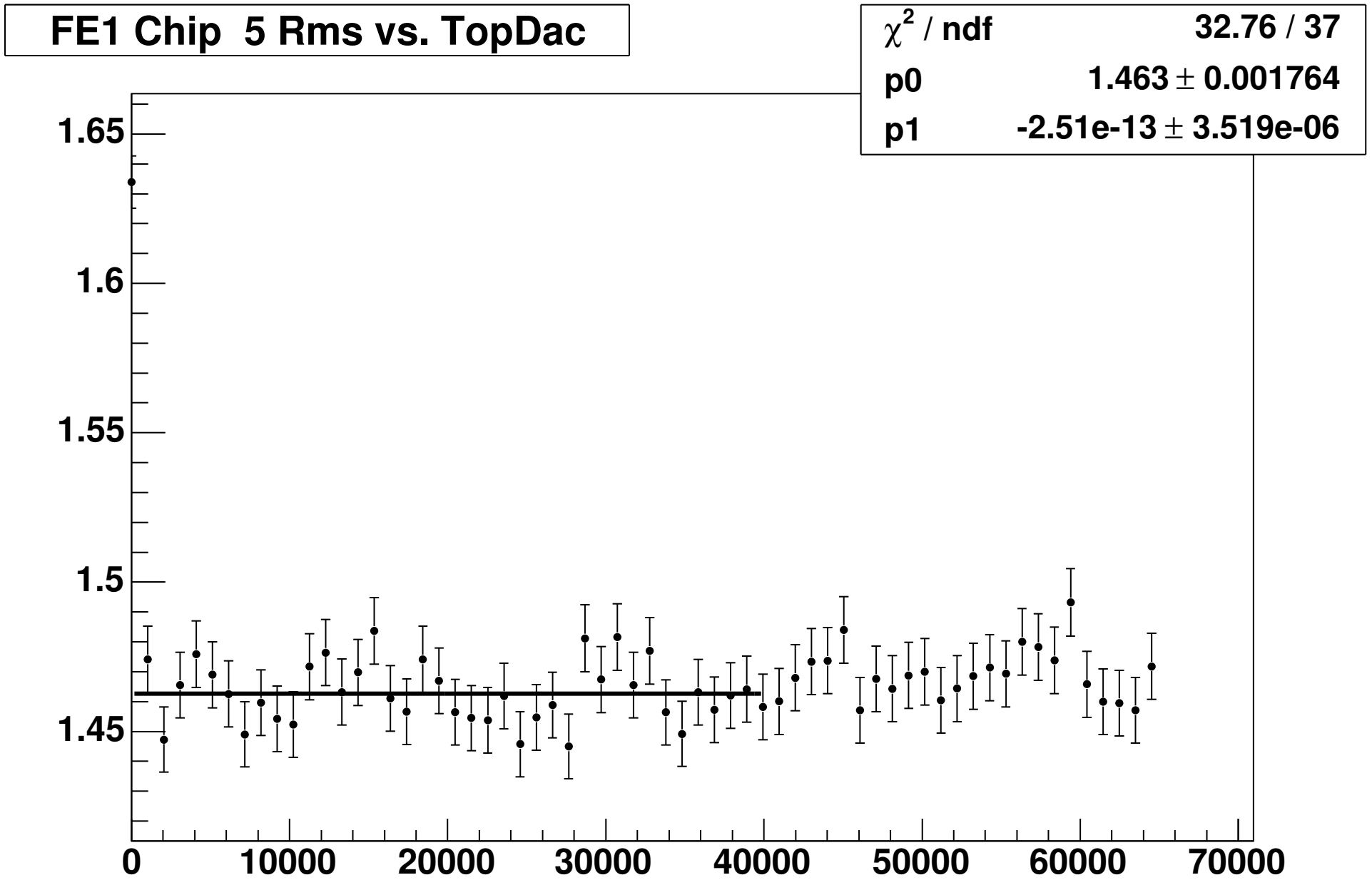
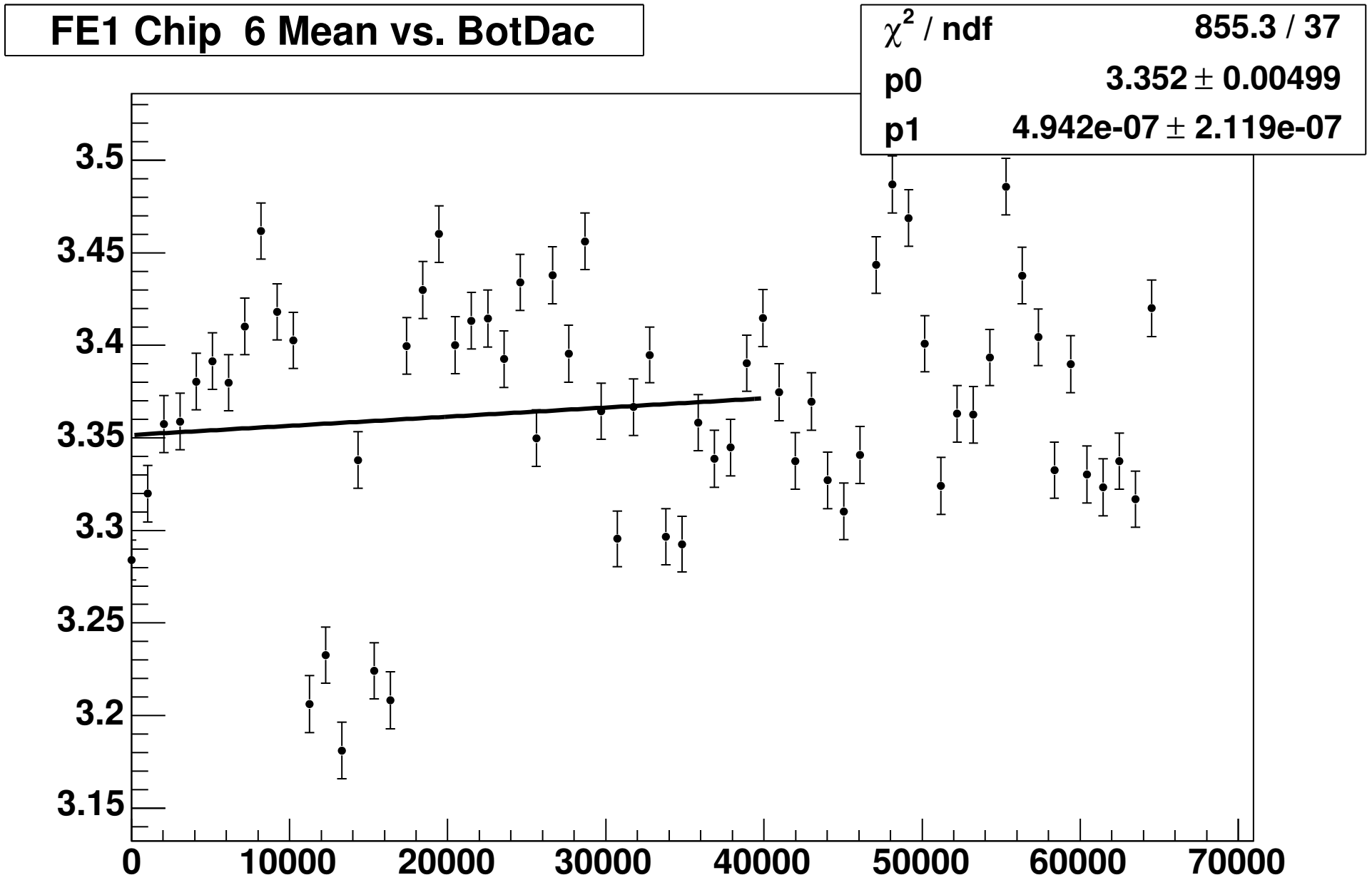
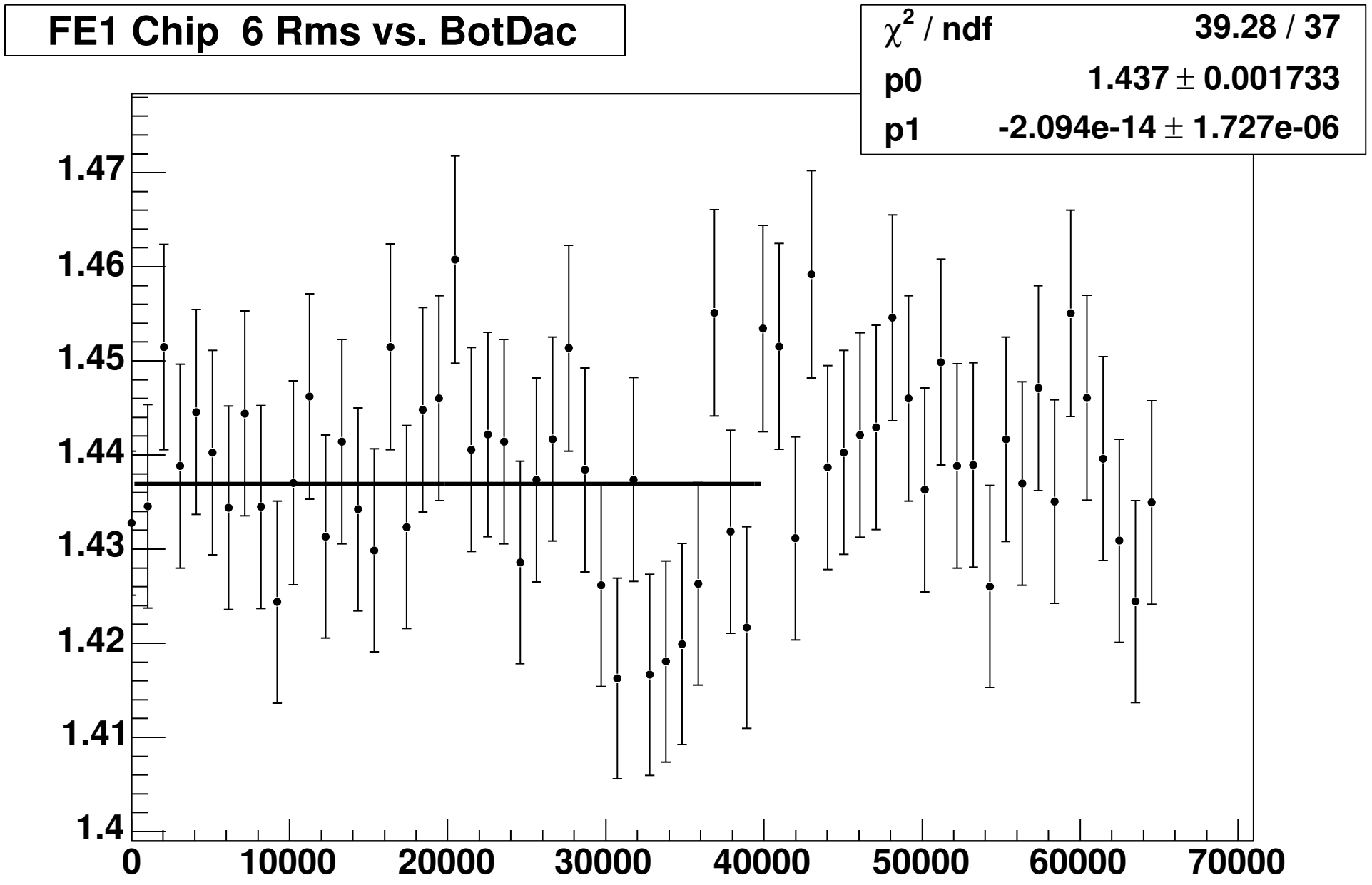
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

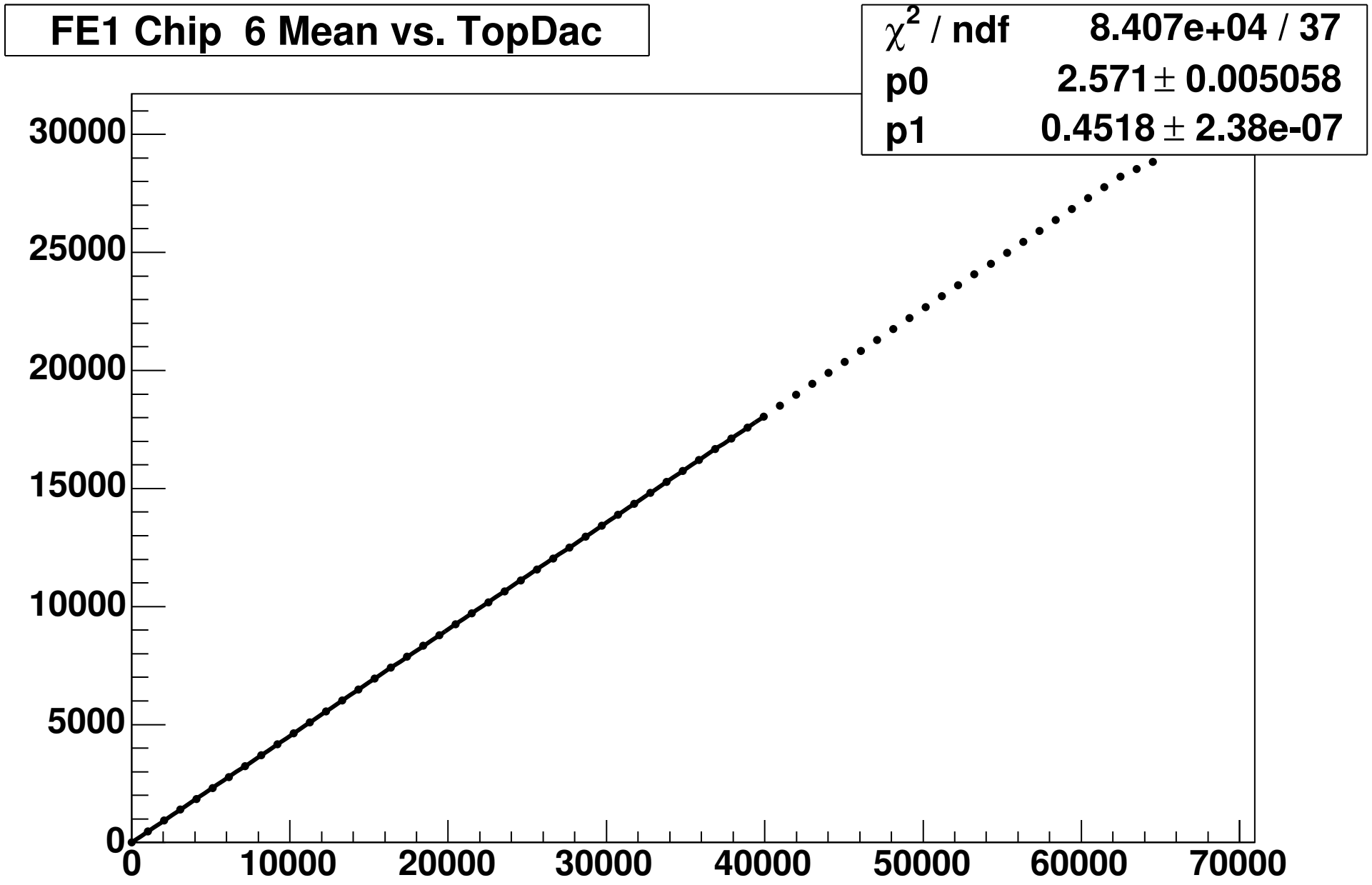

FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1507 / 37
p0 1.373 ± 0.002814
p1 3.372e-05 ± 2.07e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 193.6 / 37
p0 -59.59 ± 0.005074
p1 3.324e-06 ± 2.158e-07
-59.4
-59.45
-59.5
-59.55
-59.6
-59.65
-59.7
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 32.76 / 37
p0 1.463 ± 0.001764
p1 -2.51e-13 ± 3.519e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 855.3 / 37
p0 3.352 ± 0.00499
p1 4.942e-07 ± 2.119e-07
3.5
3.45
3.4
3.35
3.3
3.25
3.2
3.15
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 39.28 / 37
p0 1.437 ± 0.001733
p1 -2.094e-14 ± 1.727e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. TopDac
χ² / ndf 8.407e+04 / 37
p0 2.571 ± 0.005058
p1 0.4518 ± 2.38e-07
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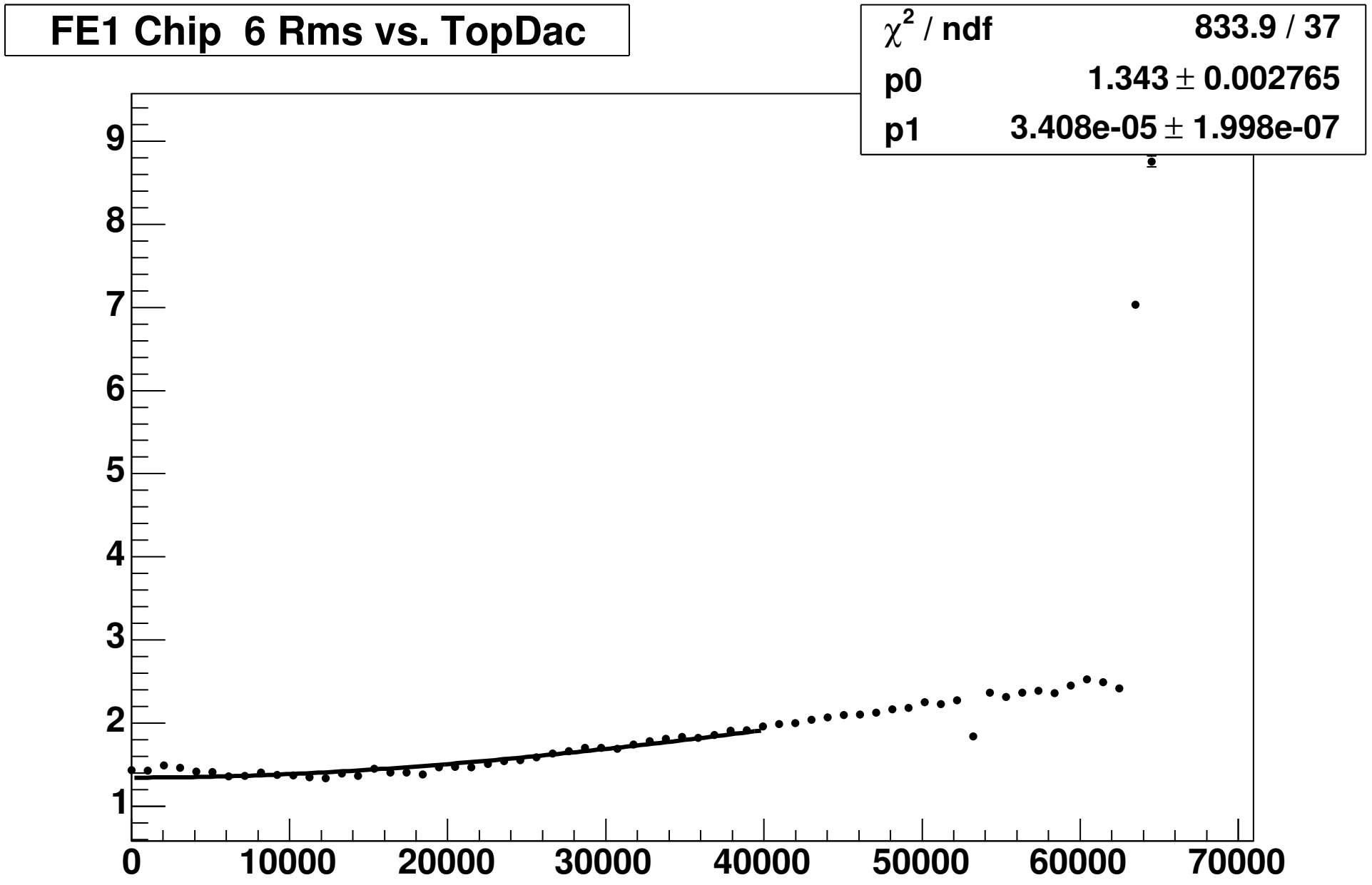
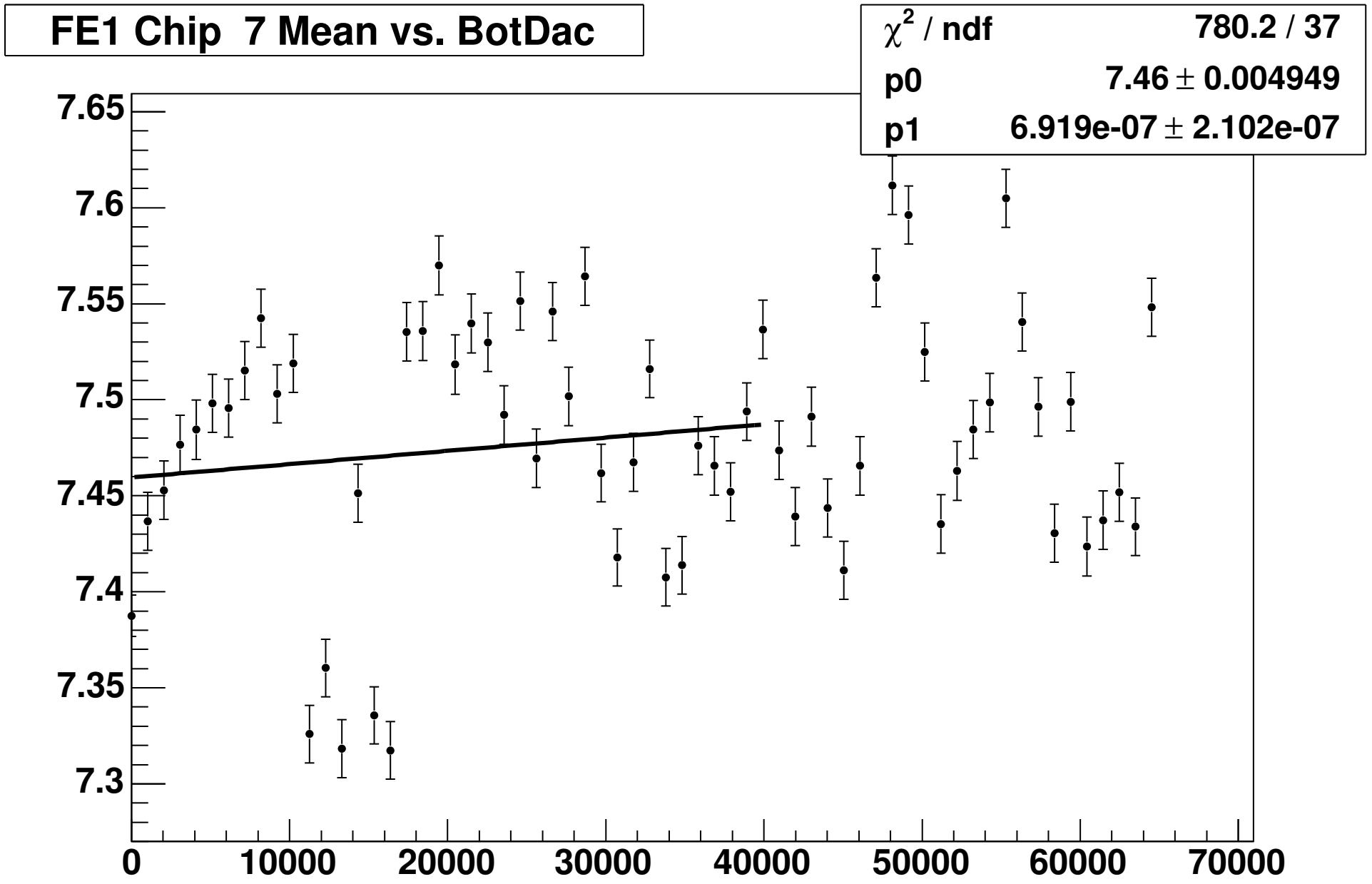
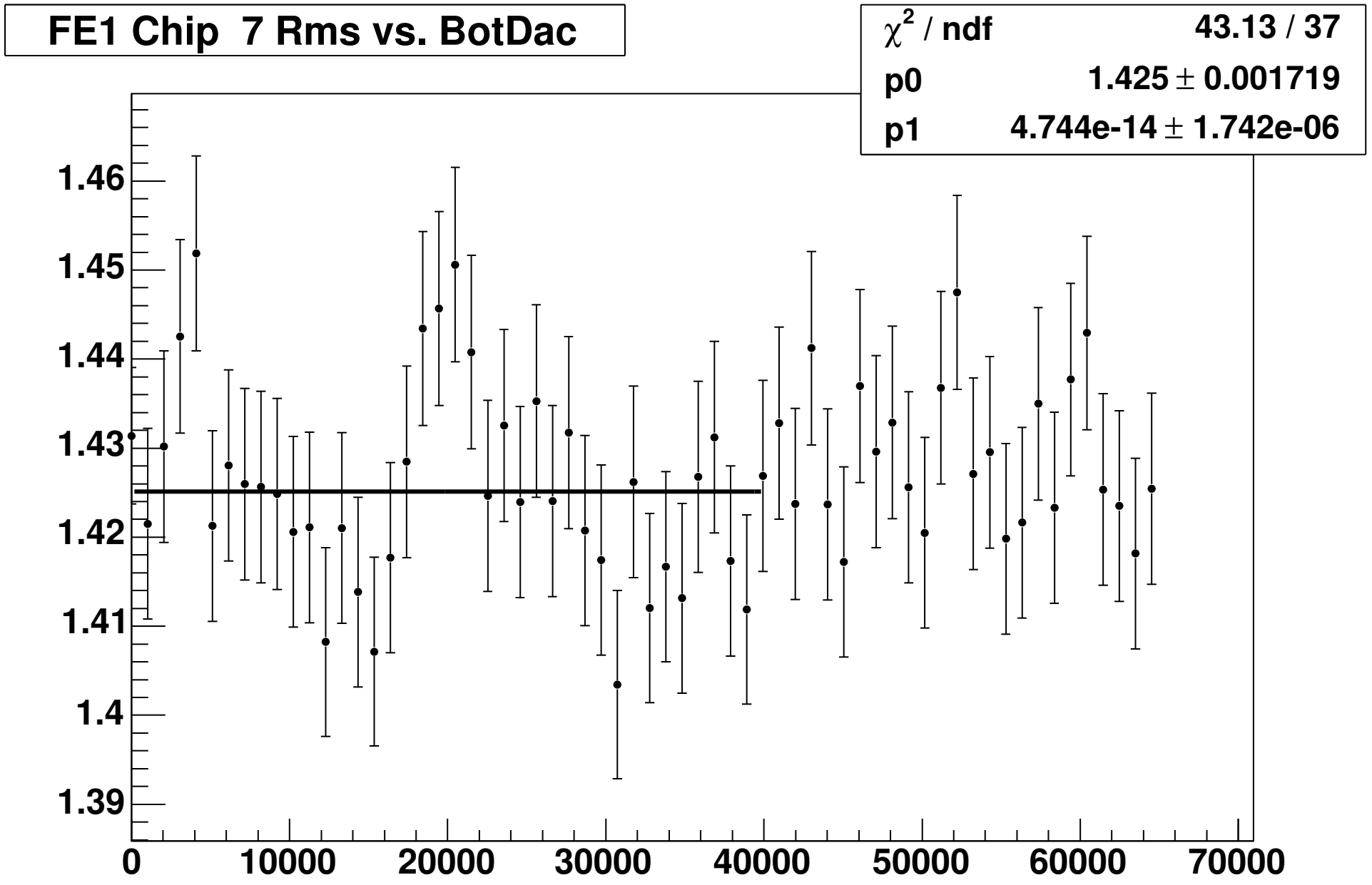
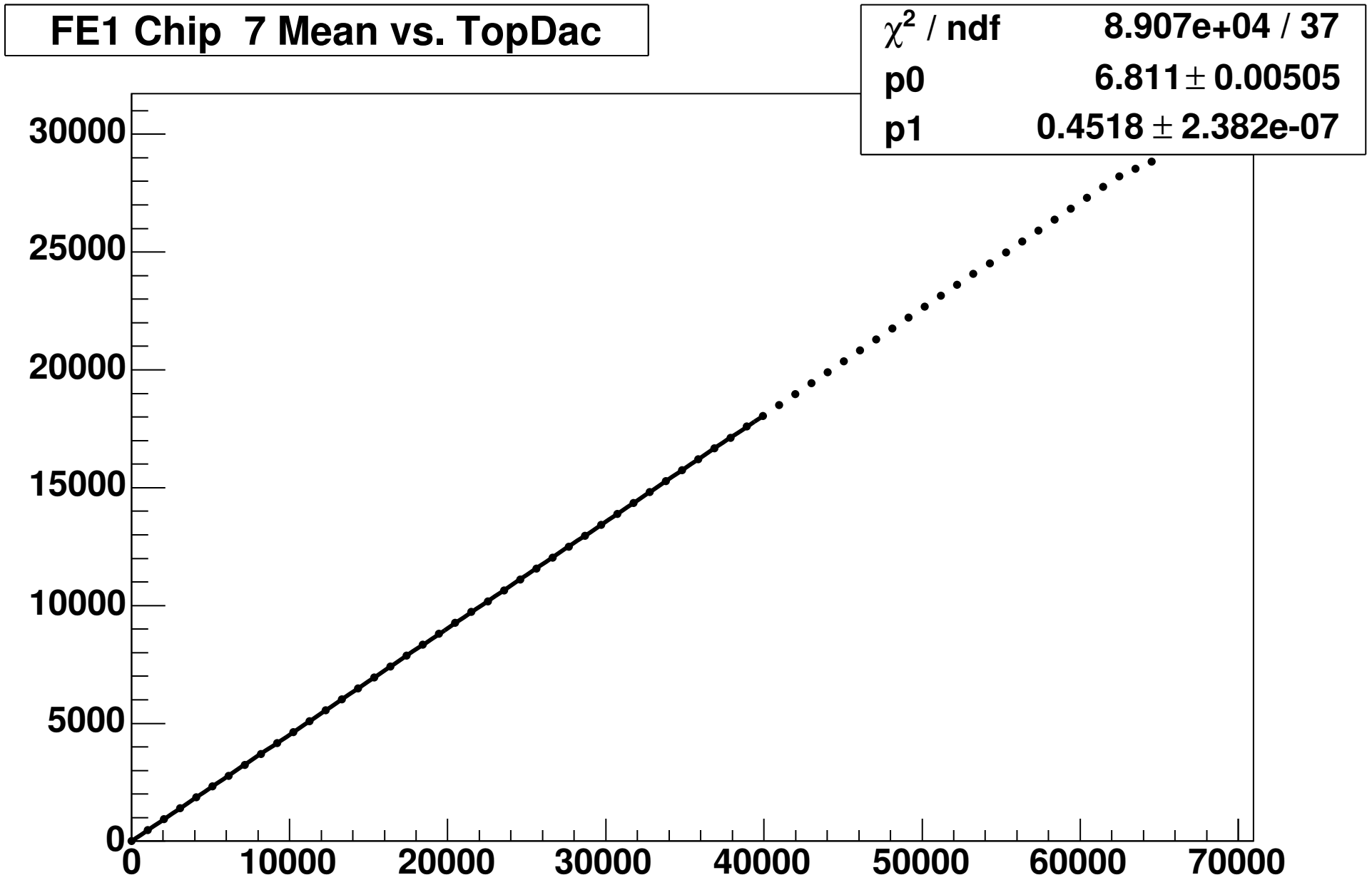
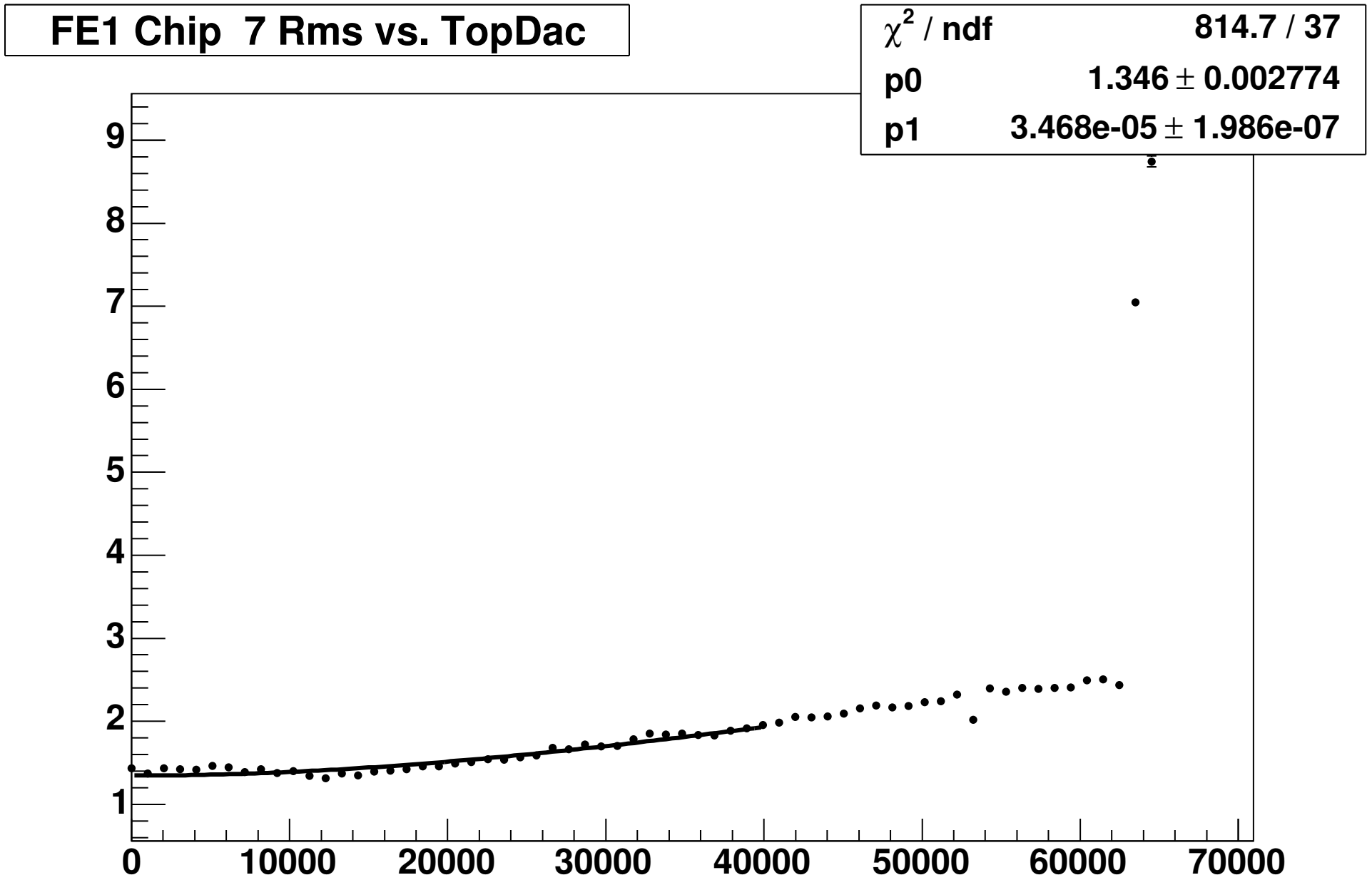
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

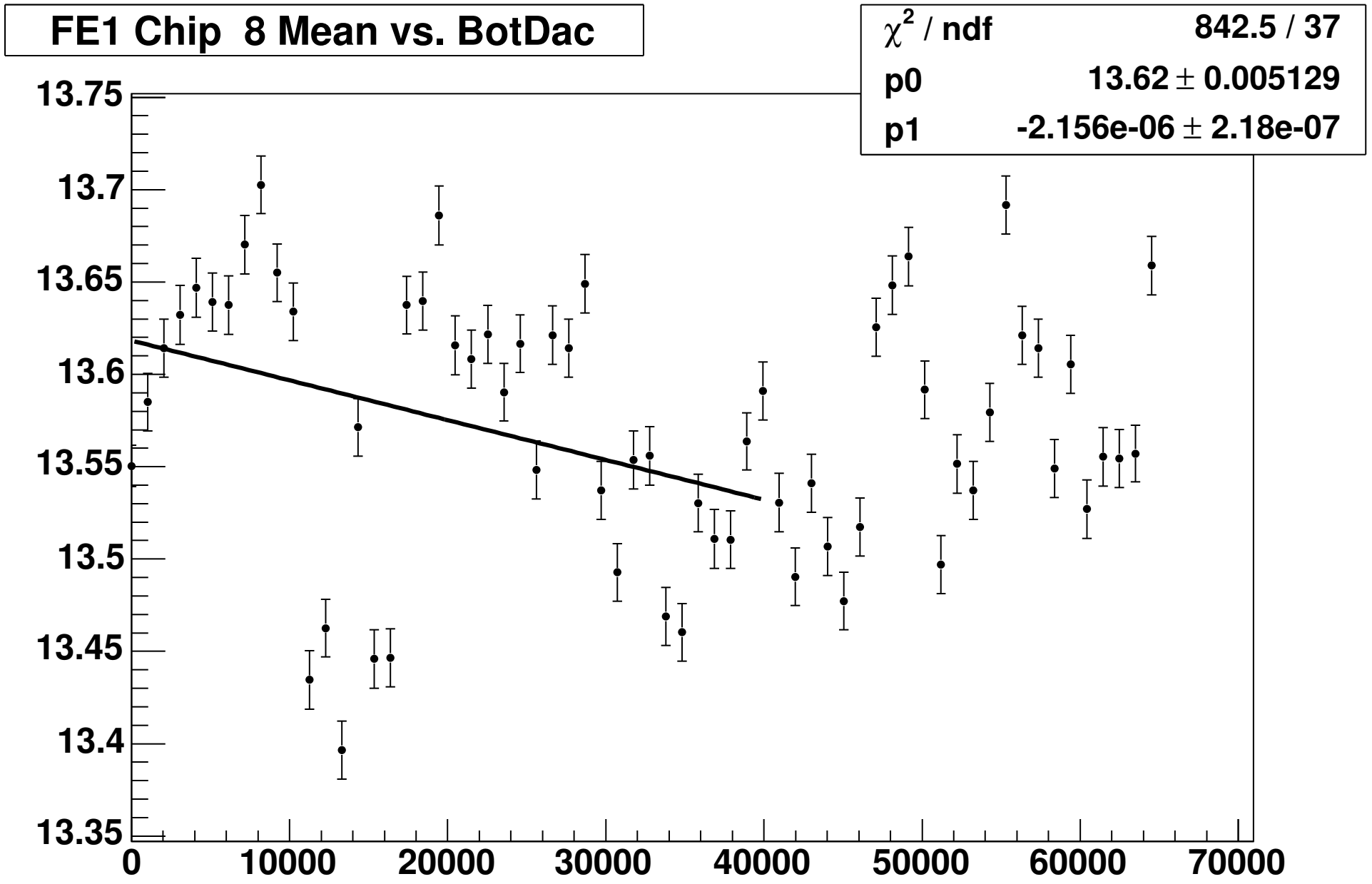

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 833.9 / 37
p0 1.343 ± 0.002765
p1 3.408e-05 ± 1.998e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

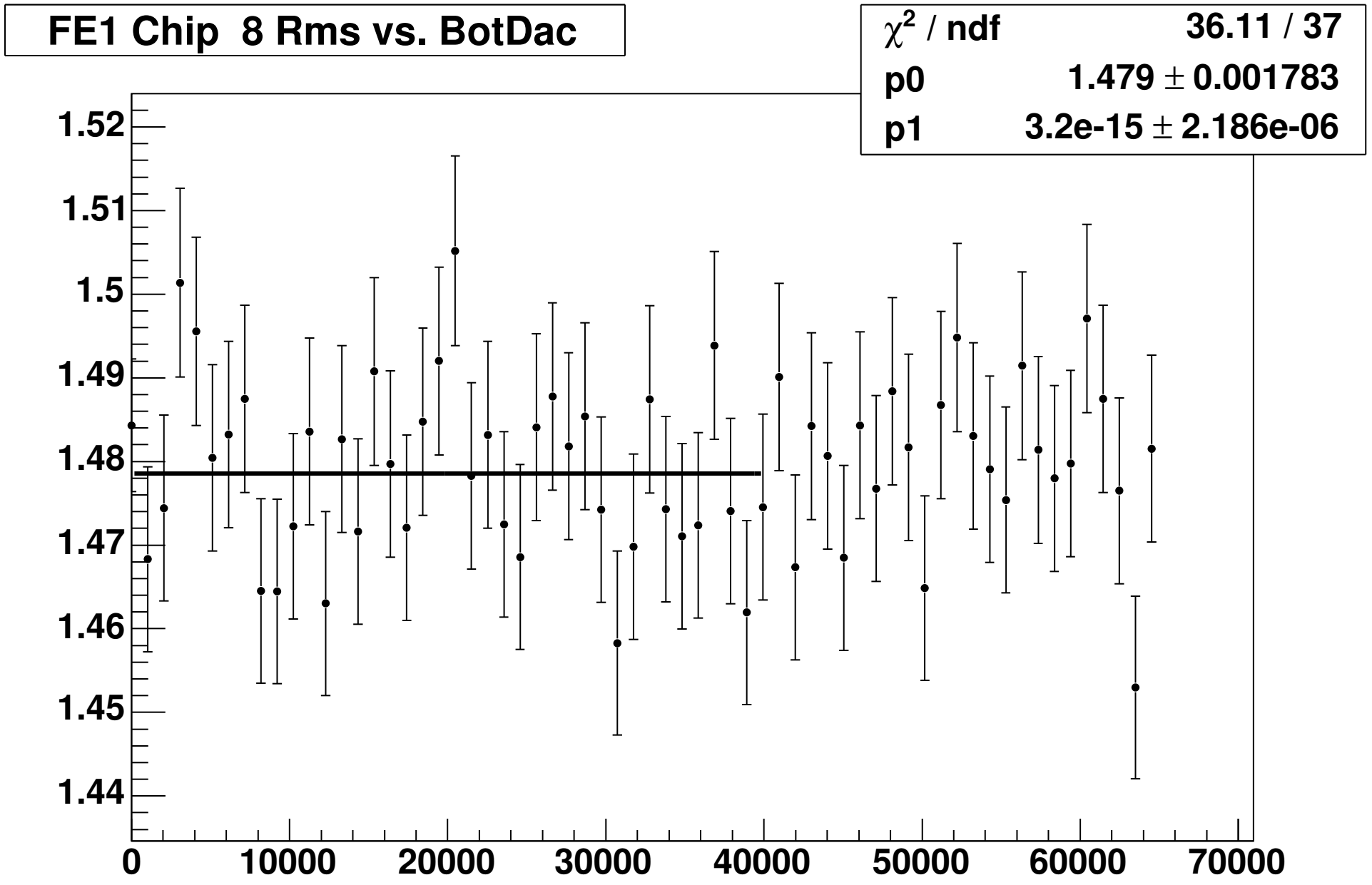

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 780.2 / 37
p0 7.46 ± 0.004949
p1 6.919e-07 ± 2.102e-07
7.65
7.6
7.55
7.5
7.45
7.4
7.35
7.3
0
10000
20000
30000
40000
50000
60000
70000

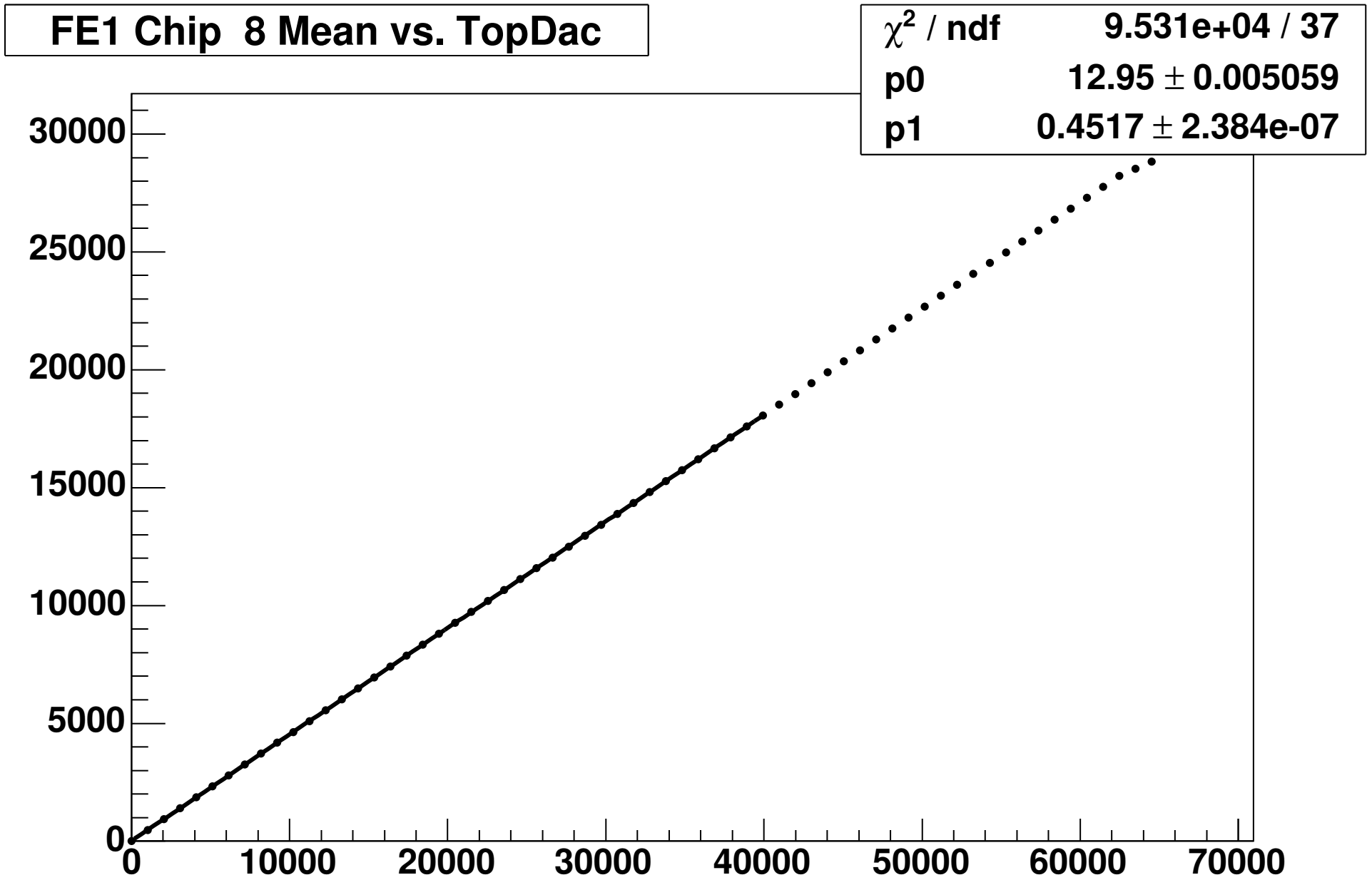

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 43.13 / 37
p0 1.425 ± 0.001719
p1 4.744e-14 ± 1.742e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000

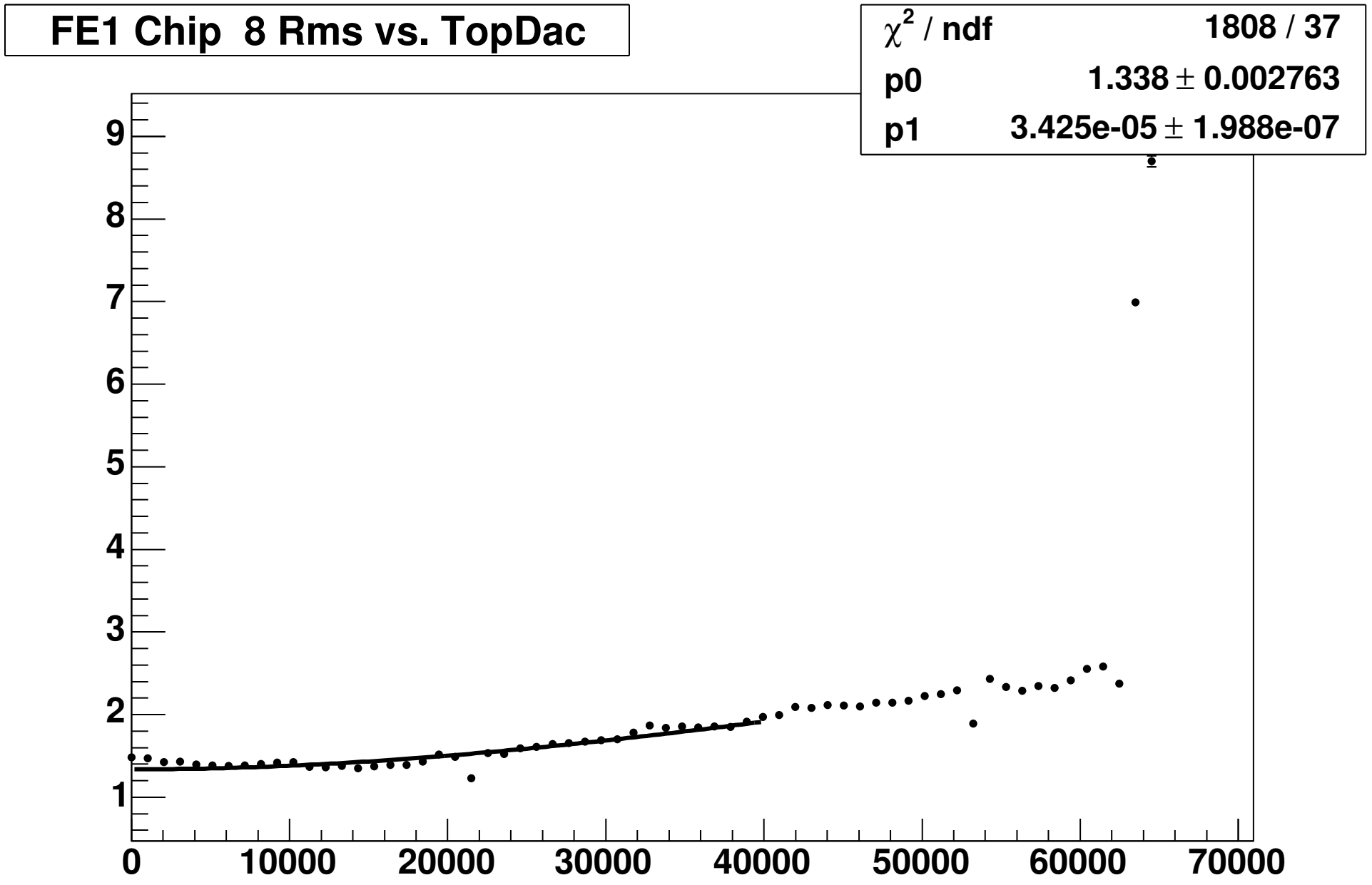

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 8.907e+04 / 37
p0 6.811 ± 0.00505
p1 0.4518 ± 2.382e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

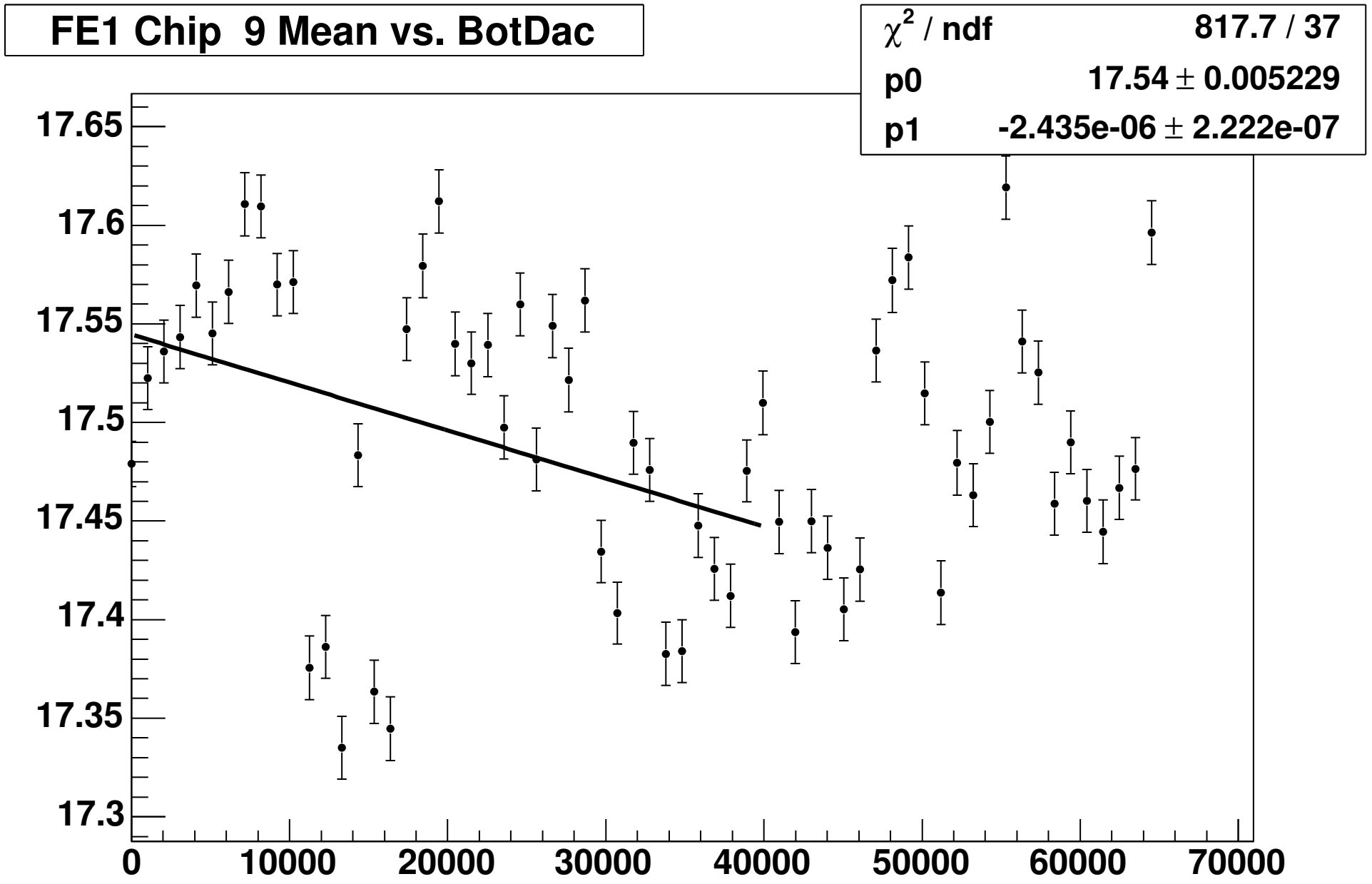

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 814.7 / 37
p0 1.346 ± 0.002774
p1 3.468e-05 ± 1.986e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

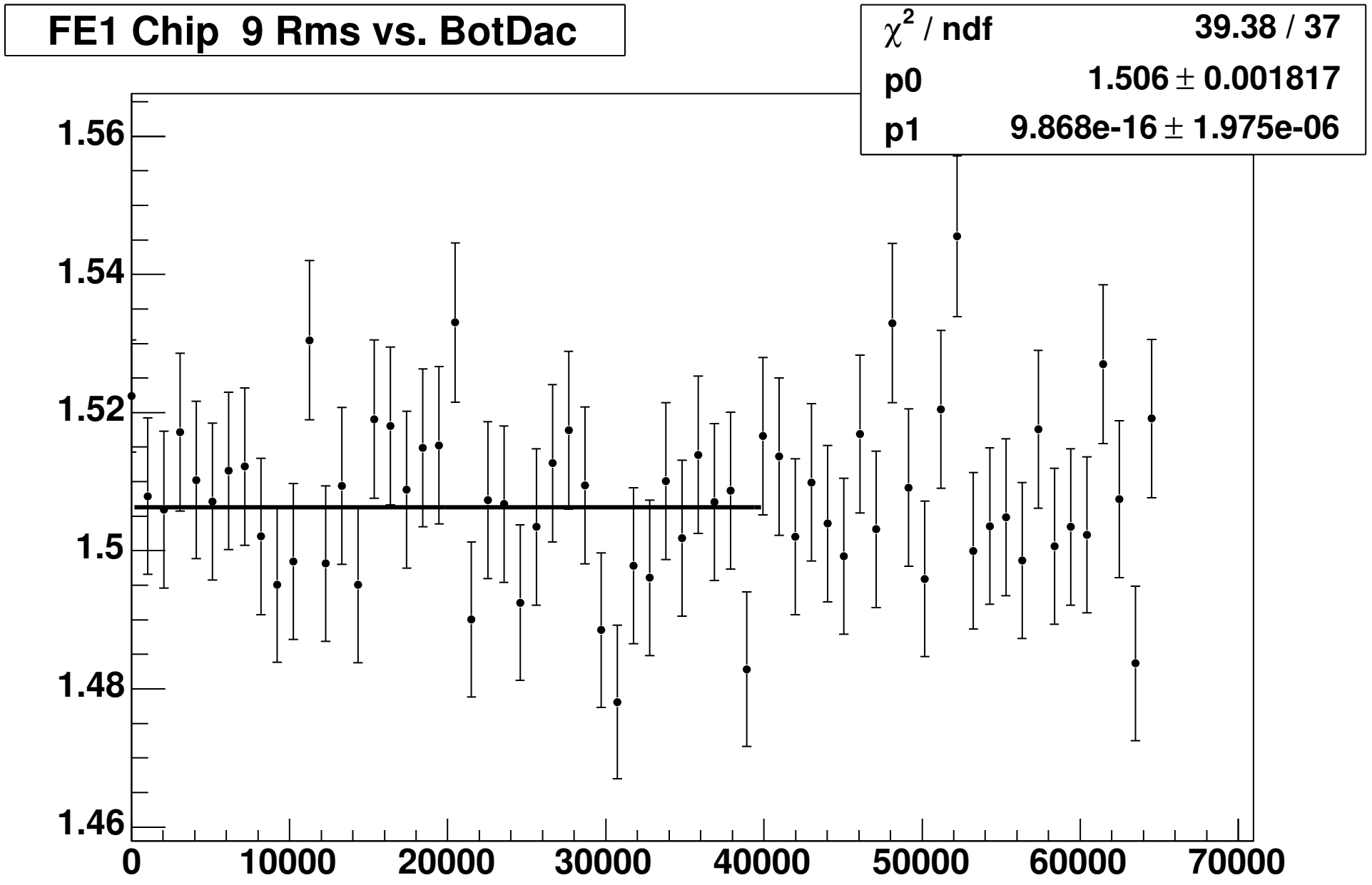

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 842.5 / 37
p0 13.62 ± 0.005129
p1 -2.156e-06 ± 2.18e-07
13.75
13.7
13.65
13.6
13.55
13.5
13.45
13.4
13.35
0
10000
20000
30000
40000
50000
60000
70000

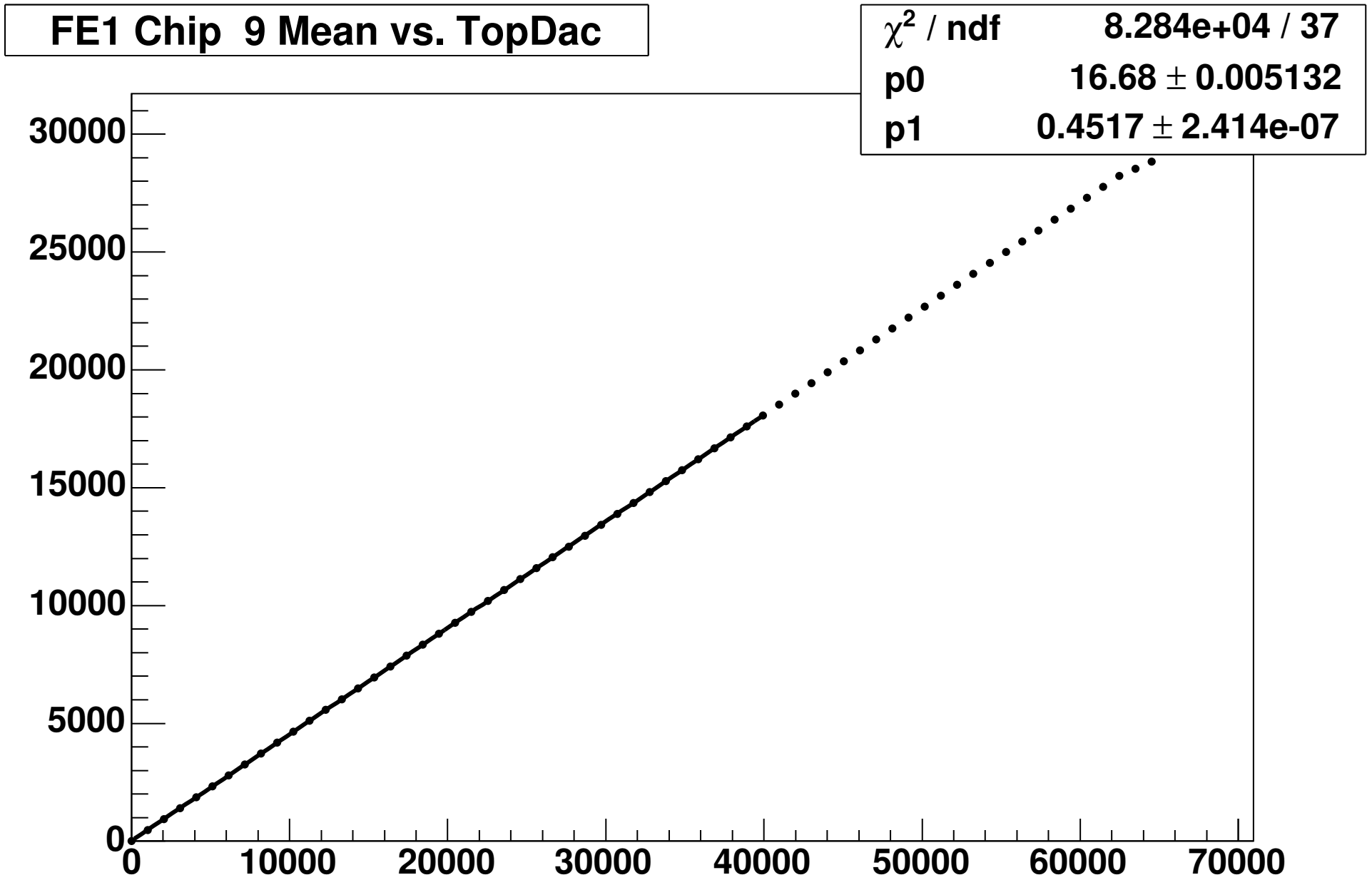

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 36.11 / 37
p0 1.479 ± 0.001783
p1 3.2e-15 ± 2.186e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

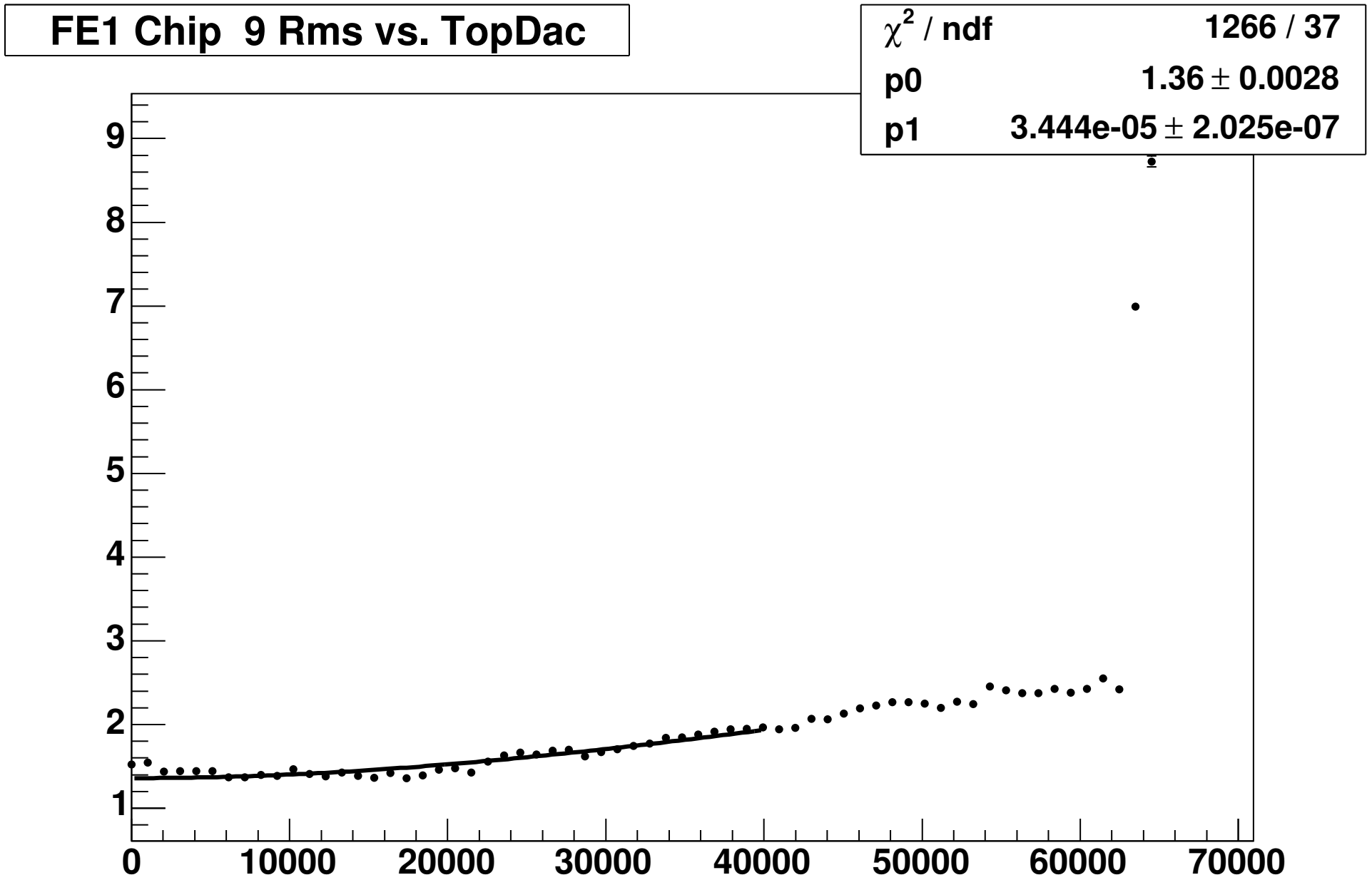

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 9.531e+04 / 37
p0 12.95 ± 0.005059
p1 0.4517 ± 2.384e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

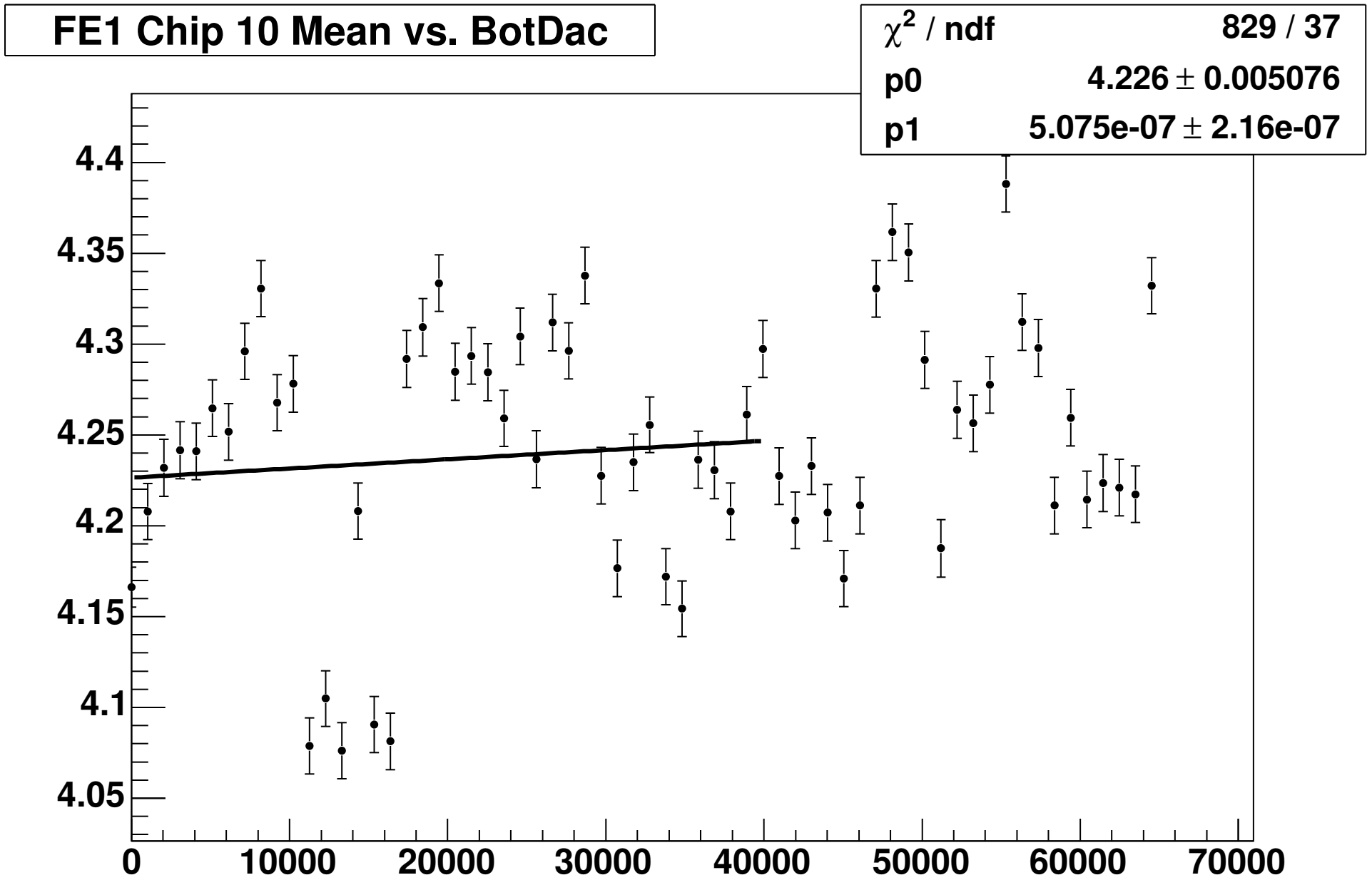

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1808 / 37
p0 1.338 ± 0.002763
p1 3.425e-05 ± 1.988e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

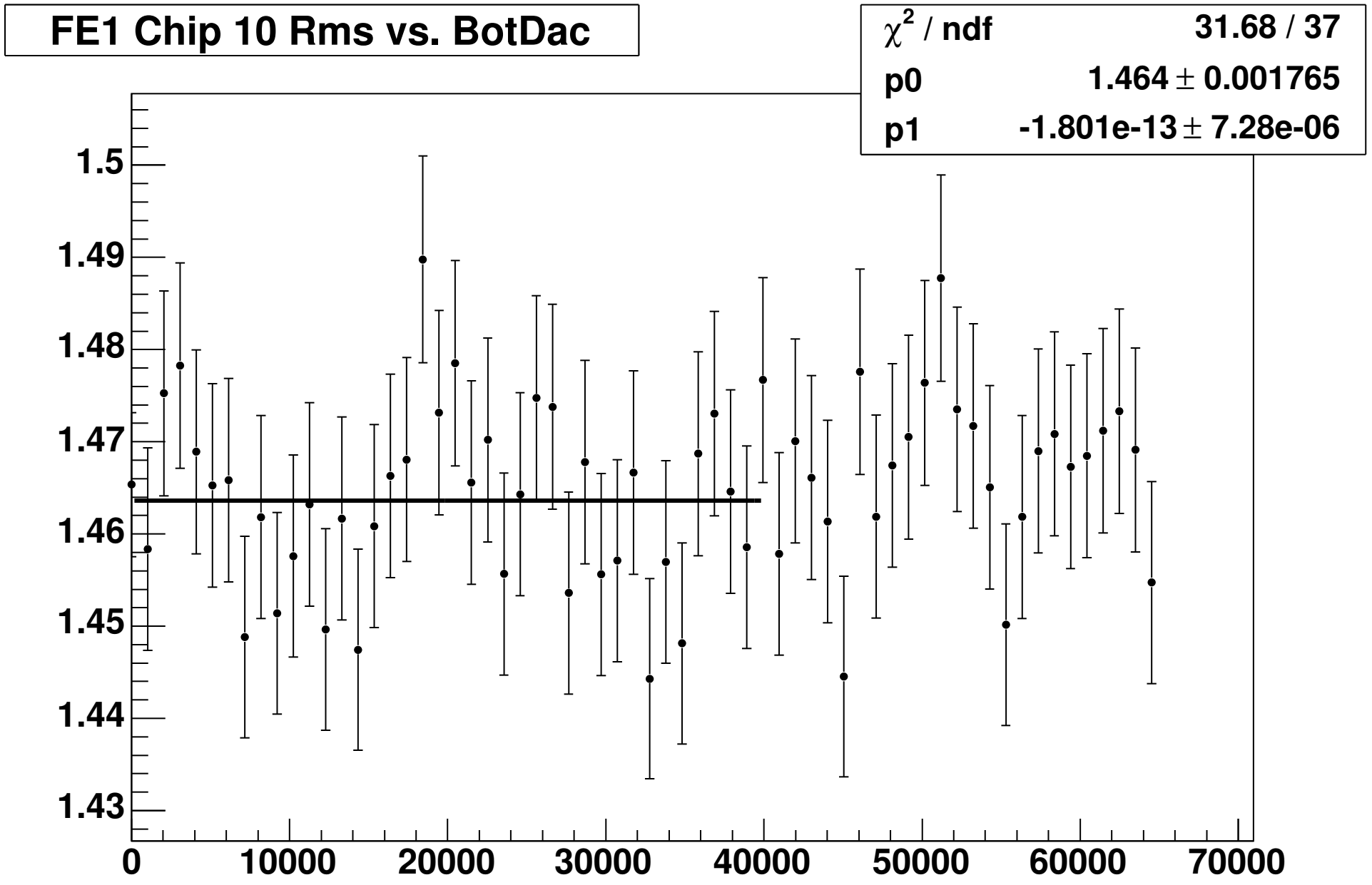

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 817.7 / 37
p0 17.54 ± 0.005229
p1 -2.435e-06 ± 2.222e-07
17.65
17.6
17.55
17.5
17.45
17.4
17.35
17.3
0
10000
20000
30000
40000
50000
60000
70000

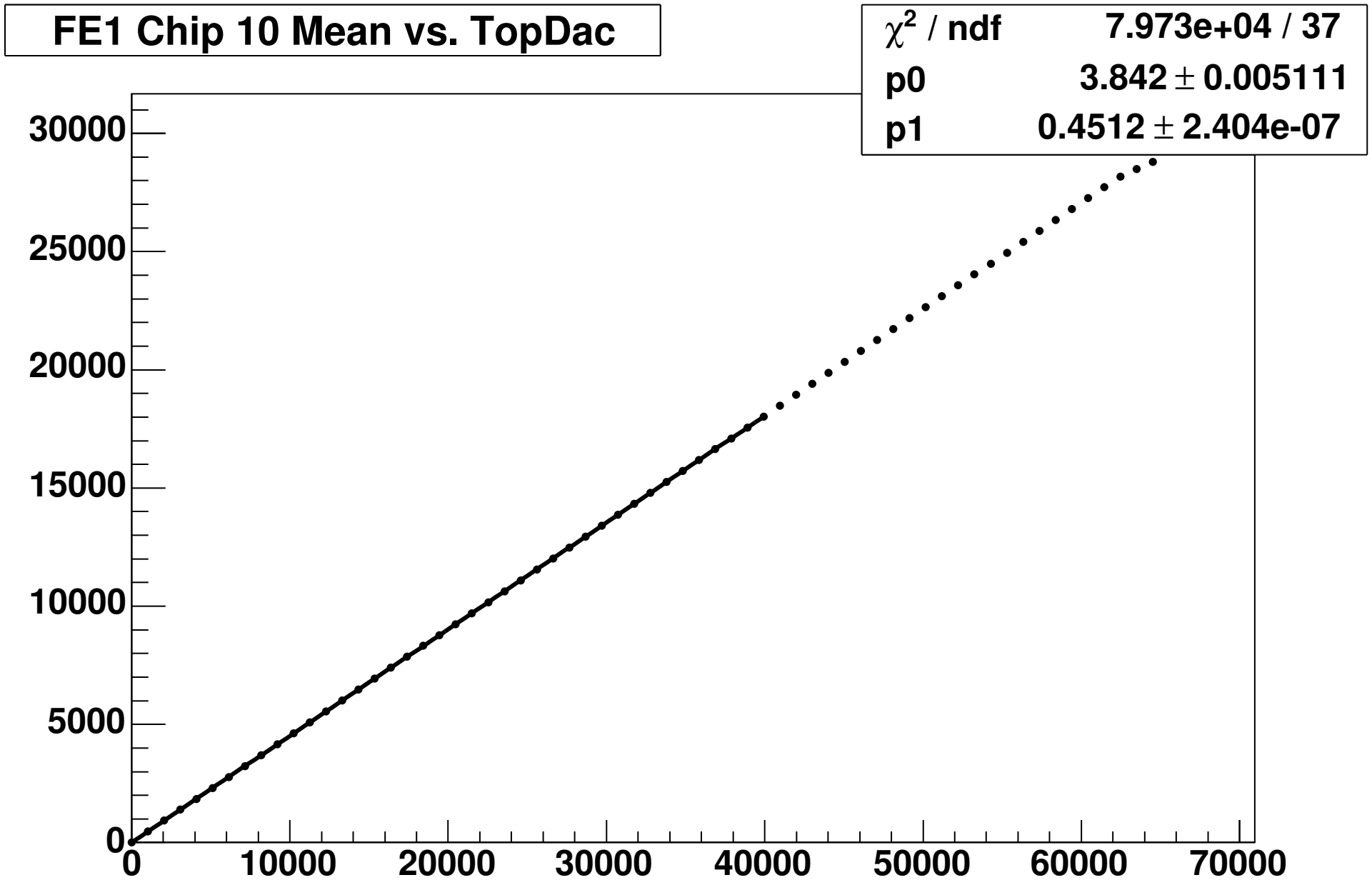

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 39.38 / 37
p0 1.506 ± 0.001817
p1 9.868e-16 ± 1.975e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

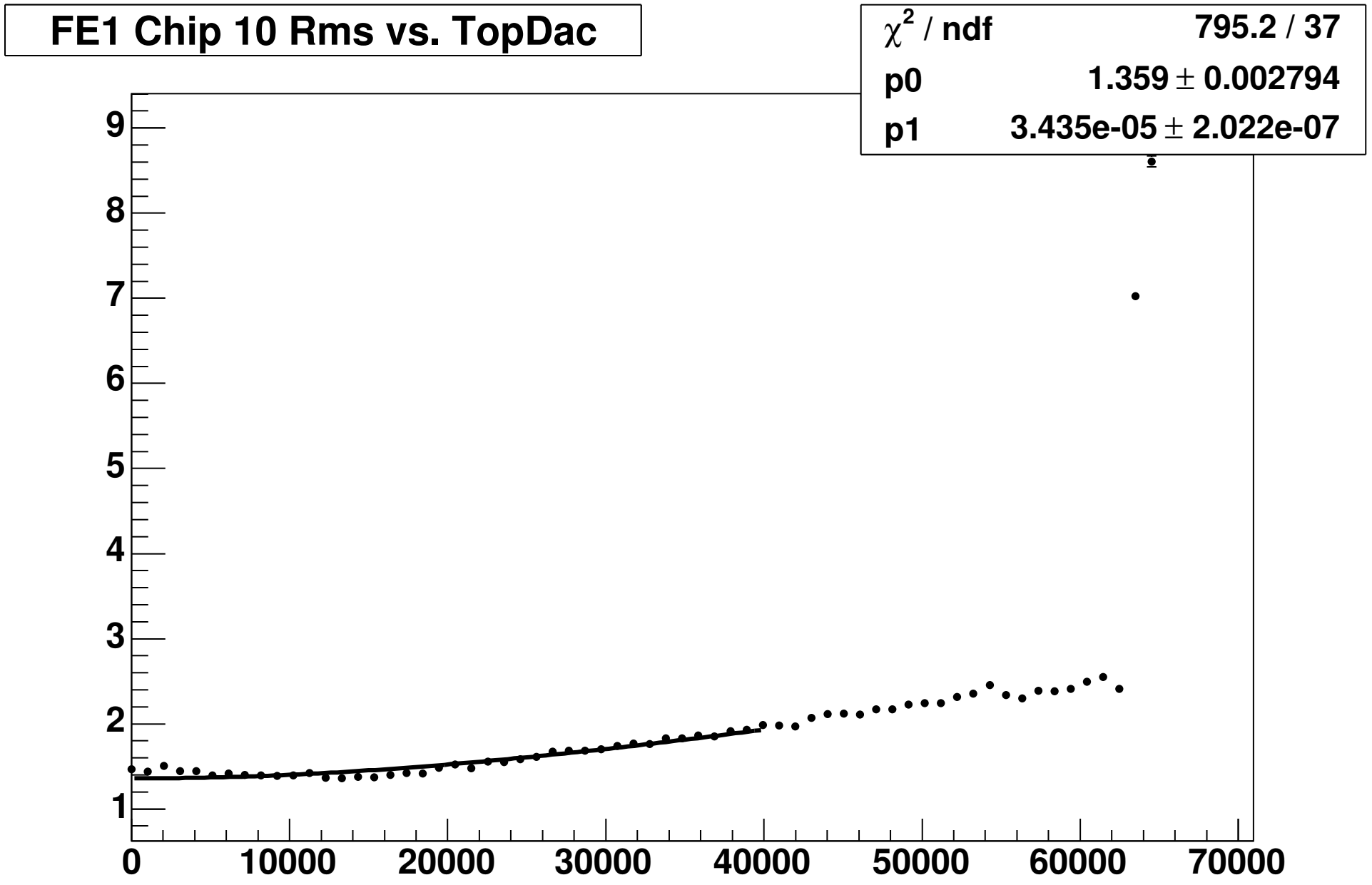

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 8.284e+04 / 37
p0 16.68 ± 0.005132
p1 0.4517 ± 2.414e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

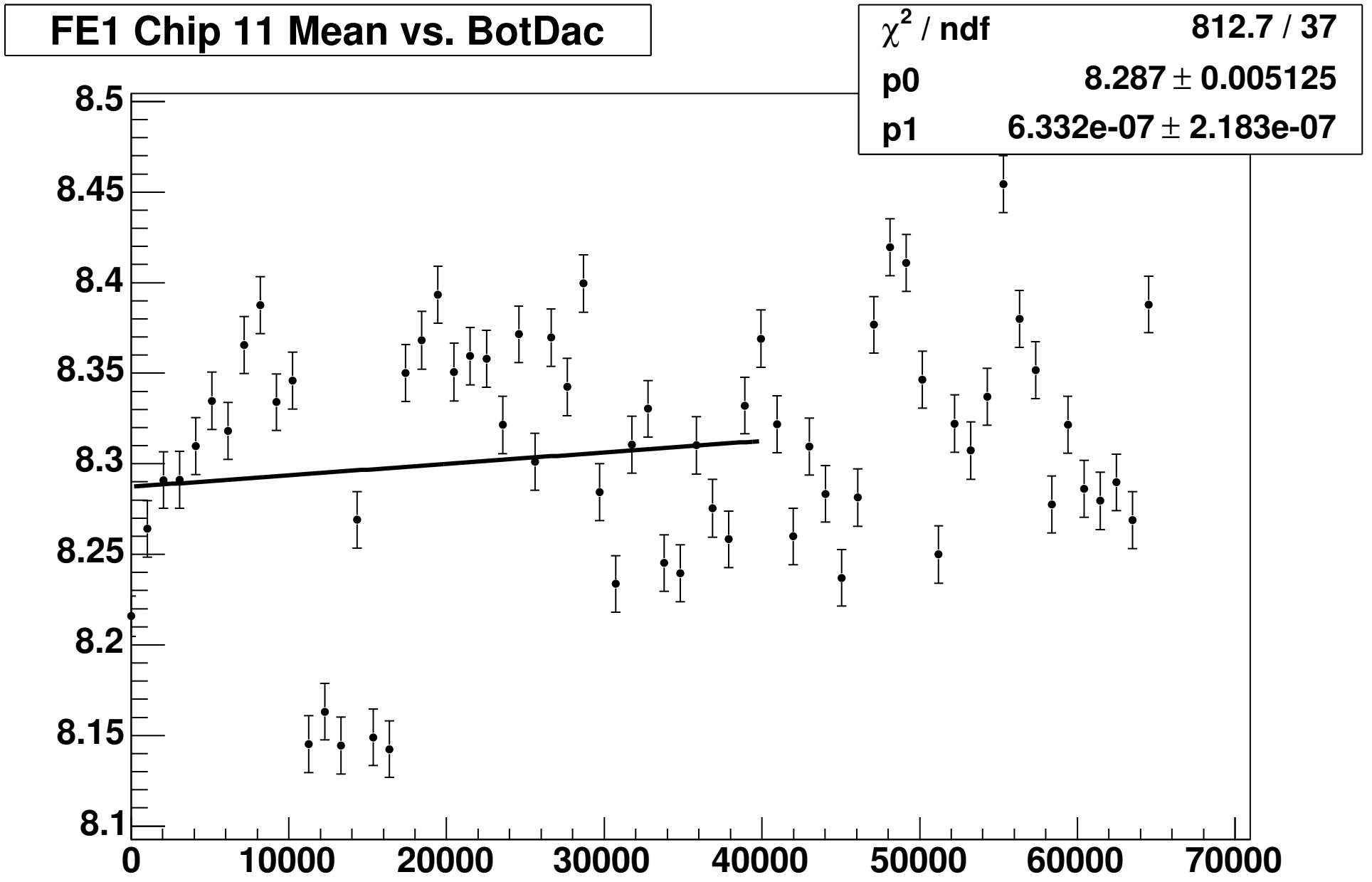

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 1266 / 37
p0 1.36 ± 0.0028
p1 3.444e-05 ± 2.025e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

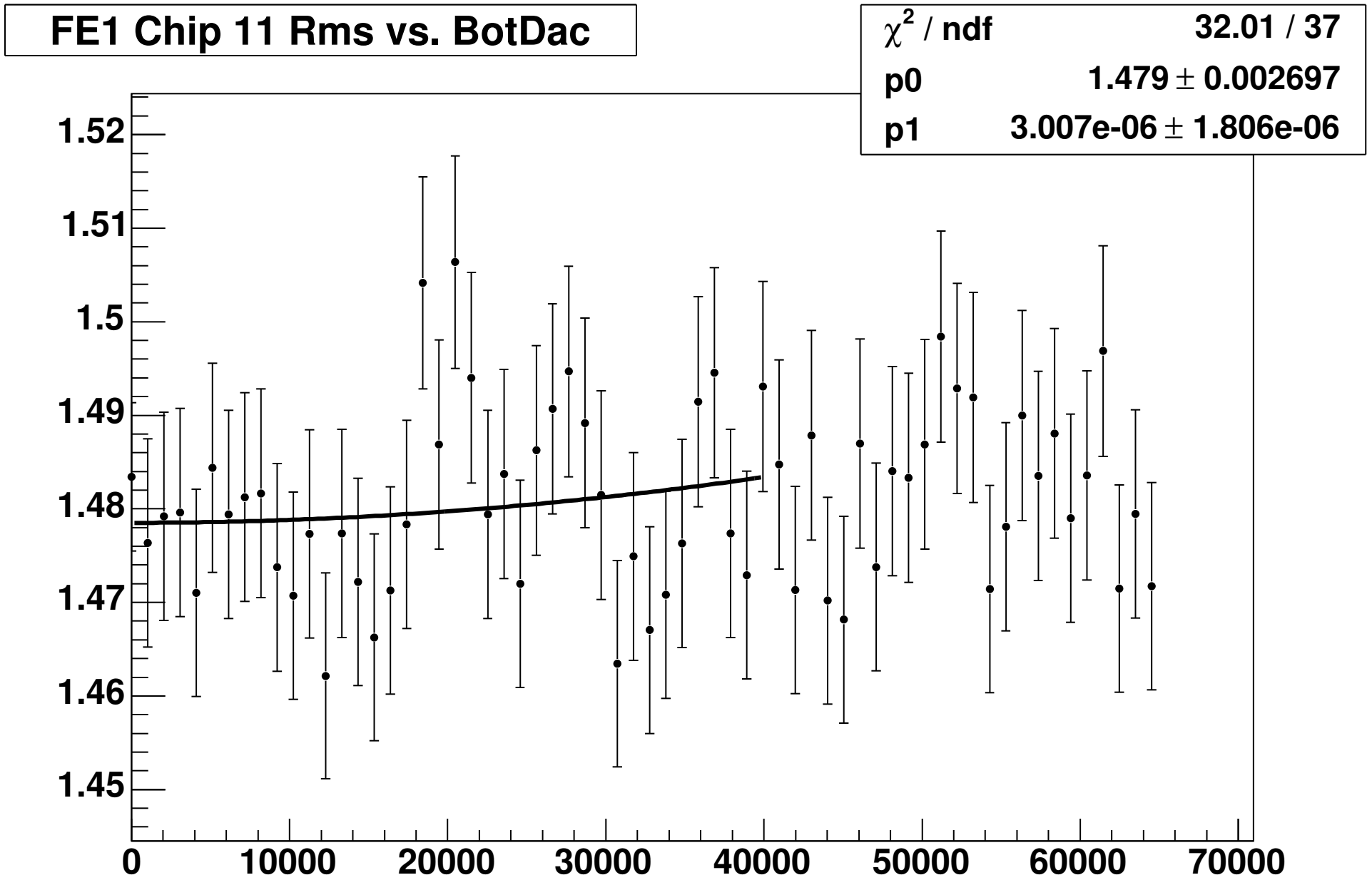

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 829 / 37
p0 4.226 ± 0.005076
p1 5.075e-07 ± 2.16e-07
4.4
4.35
4.3
4.25
4.2
4.15
4.1
4.05
0
10000
20000
30000
40000
50000
60000
70000

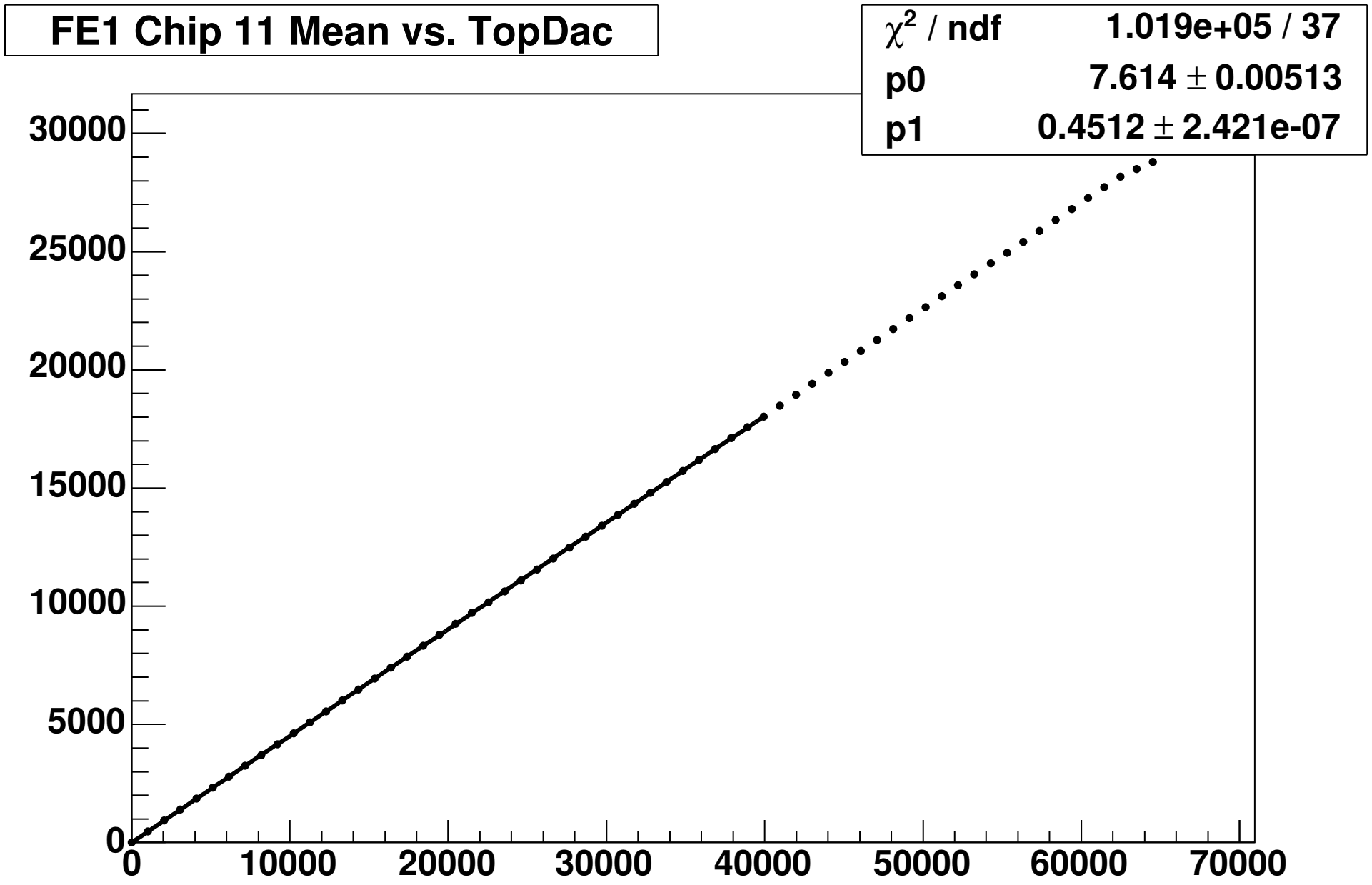

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 31.68 / 37
p0 1.464 ± 0.001765
p1 -1.801e-13 ± 7.28e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

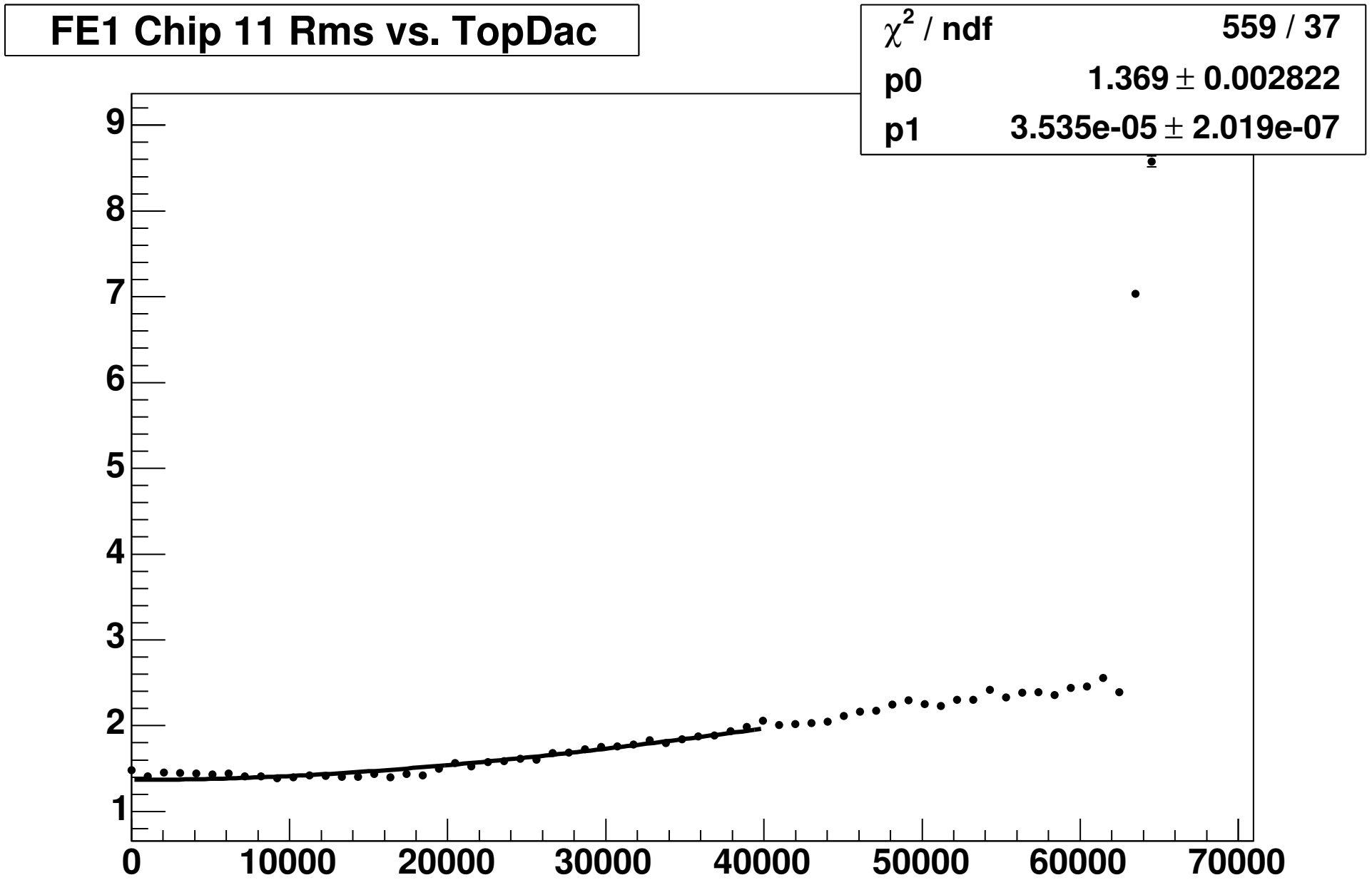

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 7.973e+04 / 37
p0 3.842 ± 0.005111
p1 0.4512 ± 2.404e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 795.2 / 37
p0 1.359 ± 0.002794
p1 3.435e-05 ± 2.022e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 812.7 / 37
p0 8.287 ± 0.005125
p1 6.332e-07 ± 2.183e-07
8.5
8.45
8.4
8.35
8.3
8.25
8.2
8.15
8.1
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 32.01 / 37
p0 1.479 ± 0.002697
p1 3.007e-06 ± 1.806e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.019e+05 / 37
p0 7.614 ± 0.00513
p1 0.4512 ± 2.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 559 / 37
p0 1.369 ± 0.002822
p1 3.535e-05 ± 2.019e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
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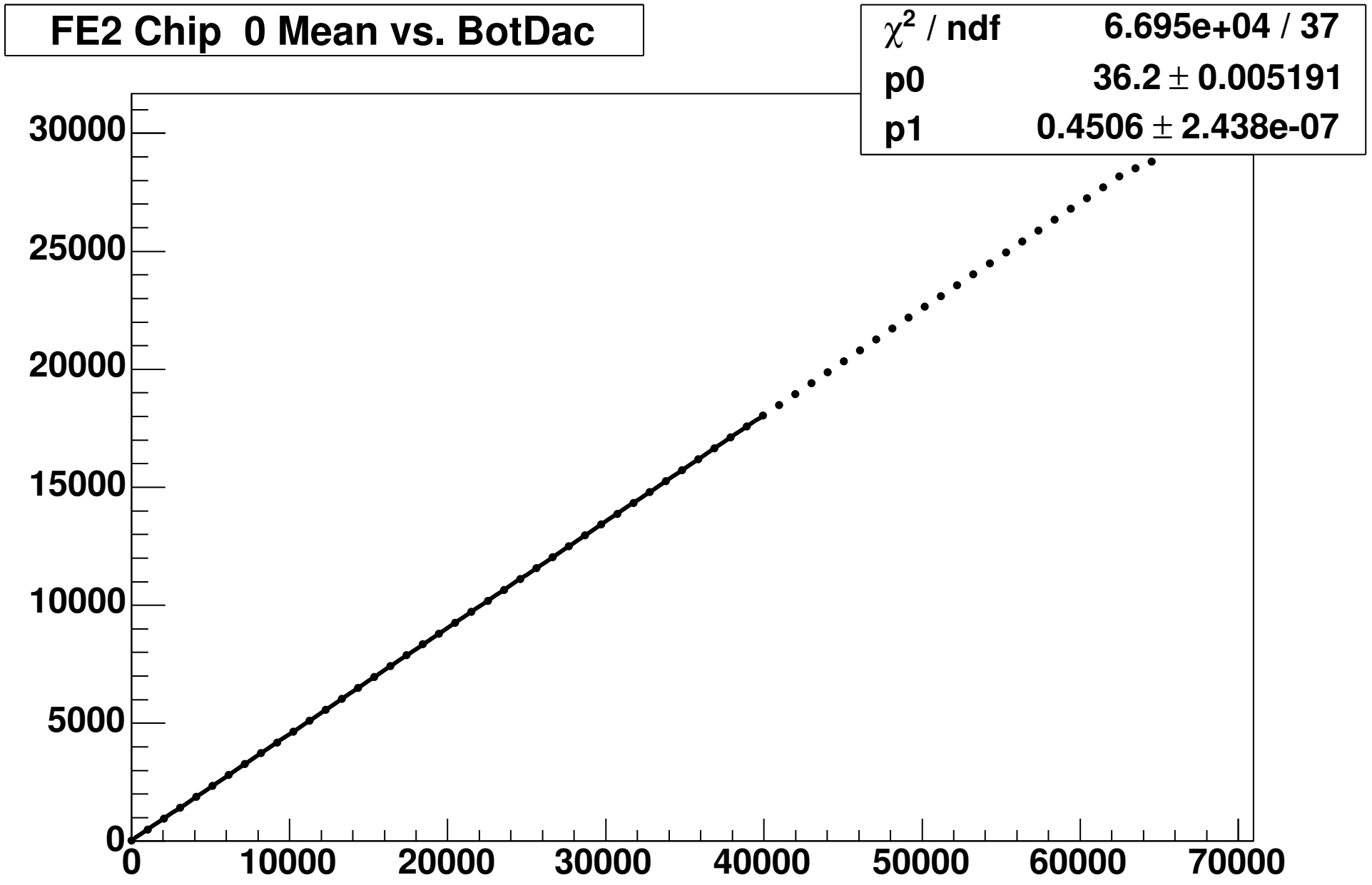
FE2 Chip 0 Mean vs. BotDac
χ² / ndf 6.695e+04 / 37
p0 36.2 ± 0.005191
p1 0.4506 ± 2.438e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
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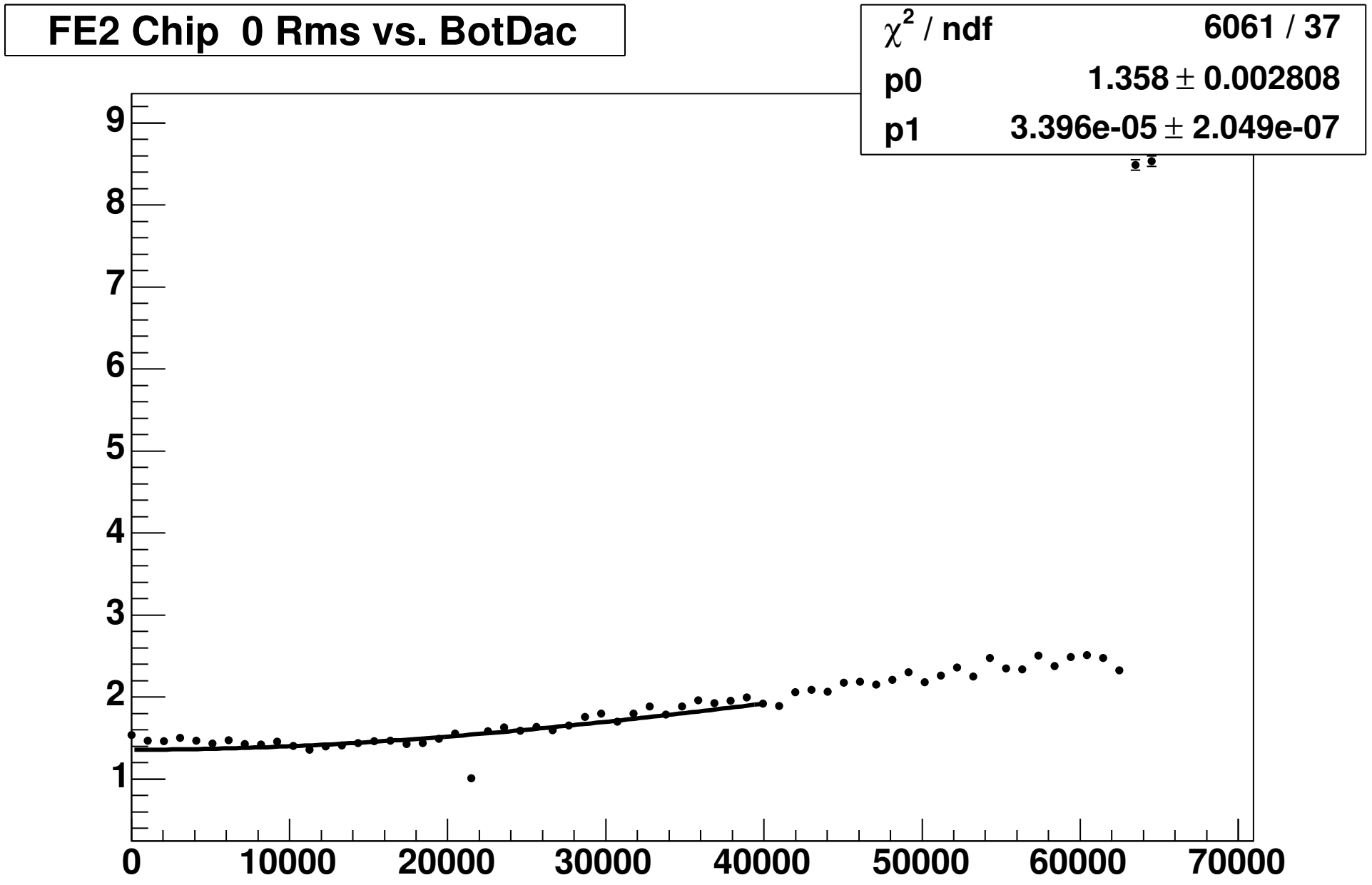
FE2 Chip 0 Rms vs. BotDac
χ² / ndf 6061 / 37
p0 1.358 ± 0.002808
p1 3.396e-05 ± 2.049e-07
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6
5
4
3
2
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0
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20000
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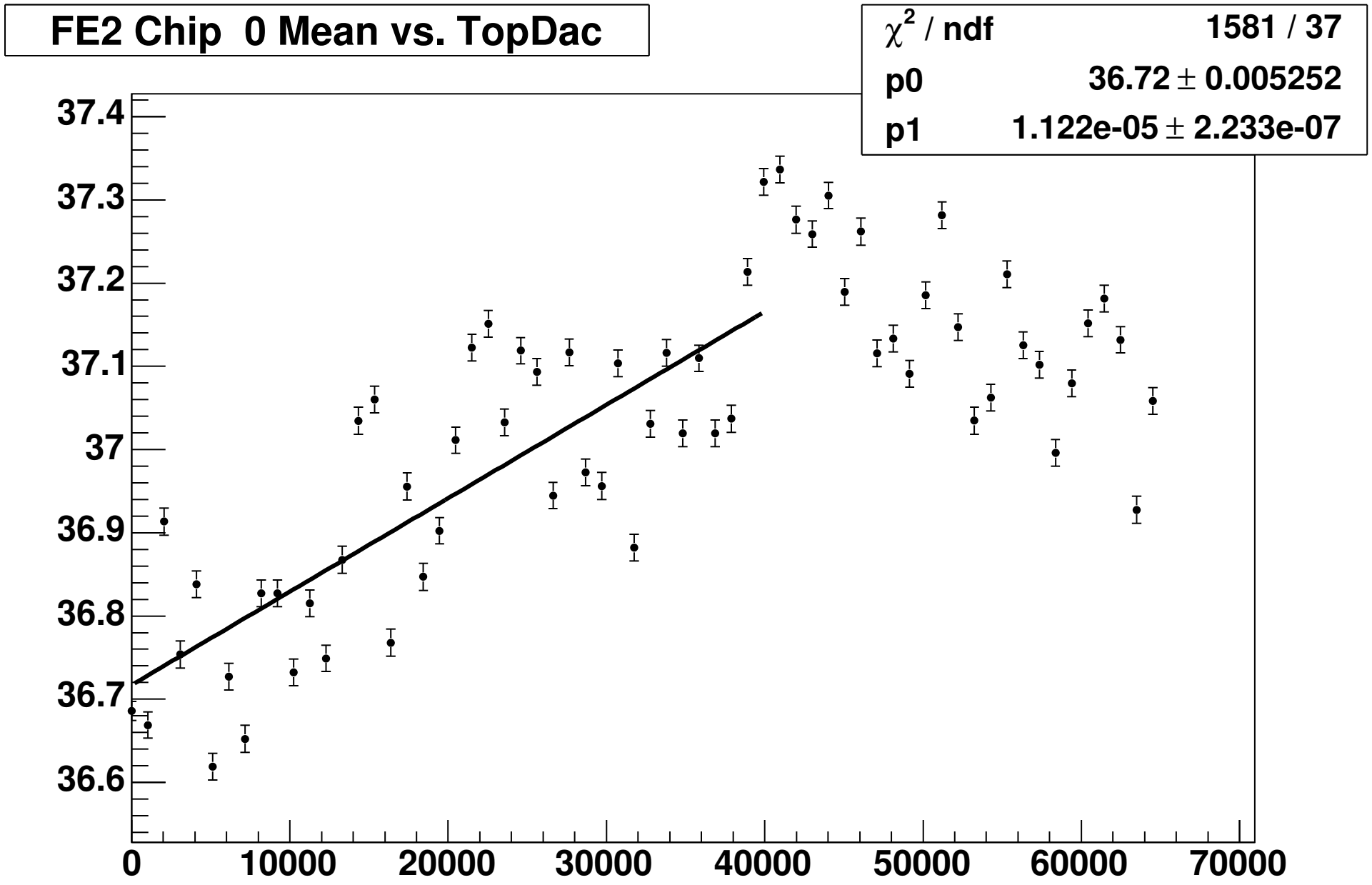
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 1581 / 37
p0 36.72 ± 0.005252
p1 1.122e-05 ± 2.233e-07
37.4
37.3
37.2
37.1
37
36.9
36.8
36.7
36.6
0
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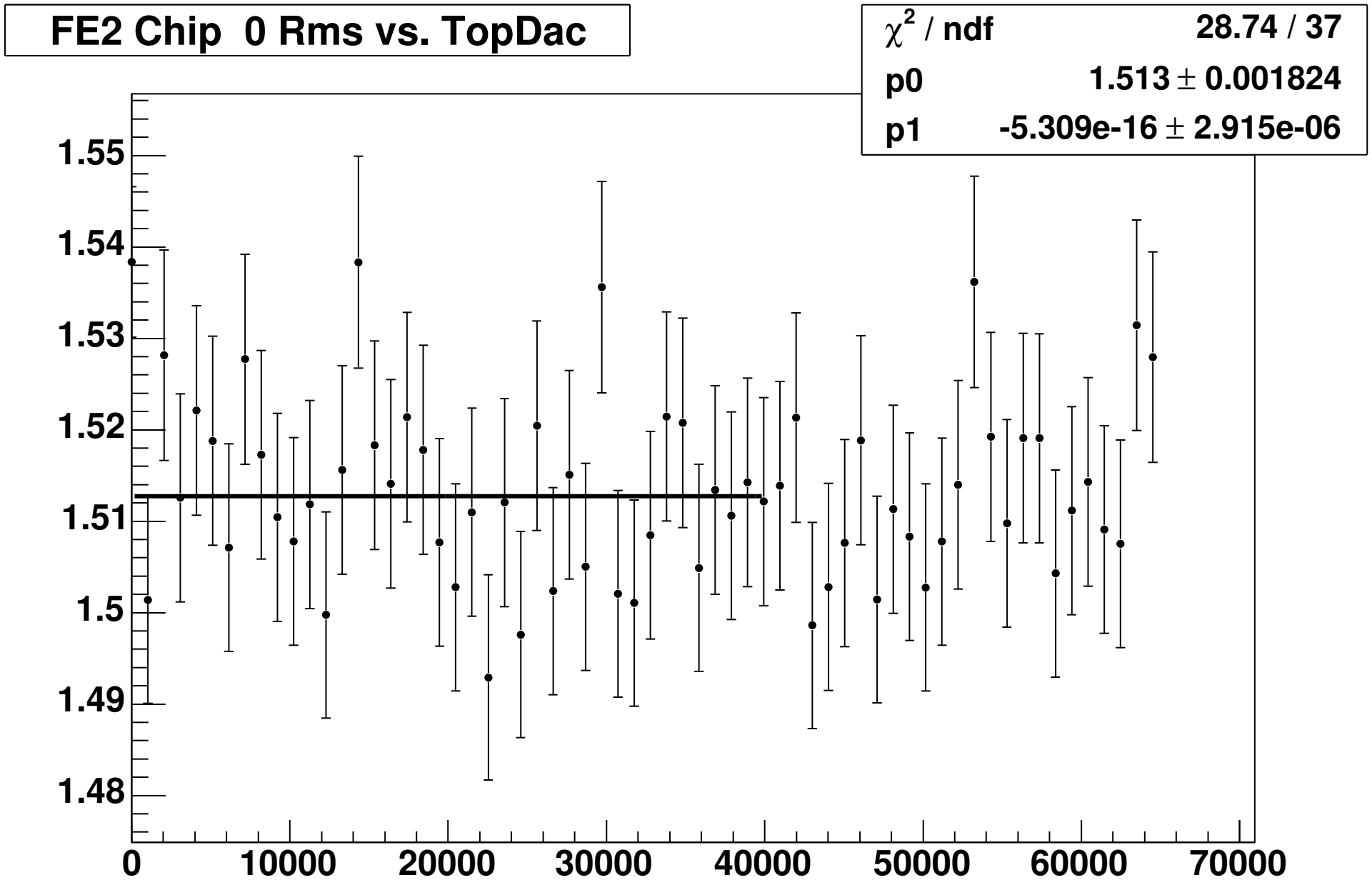
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 28.74 / 37
p0 1.513 ± 0.001824
p1 -5.309e-16 ± 2.915e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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30000
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50000
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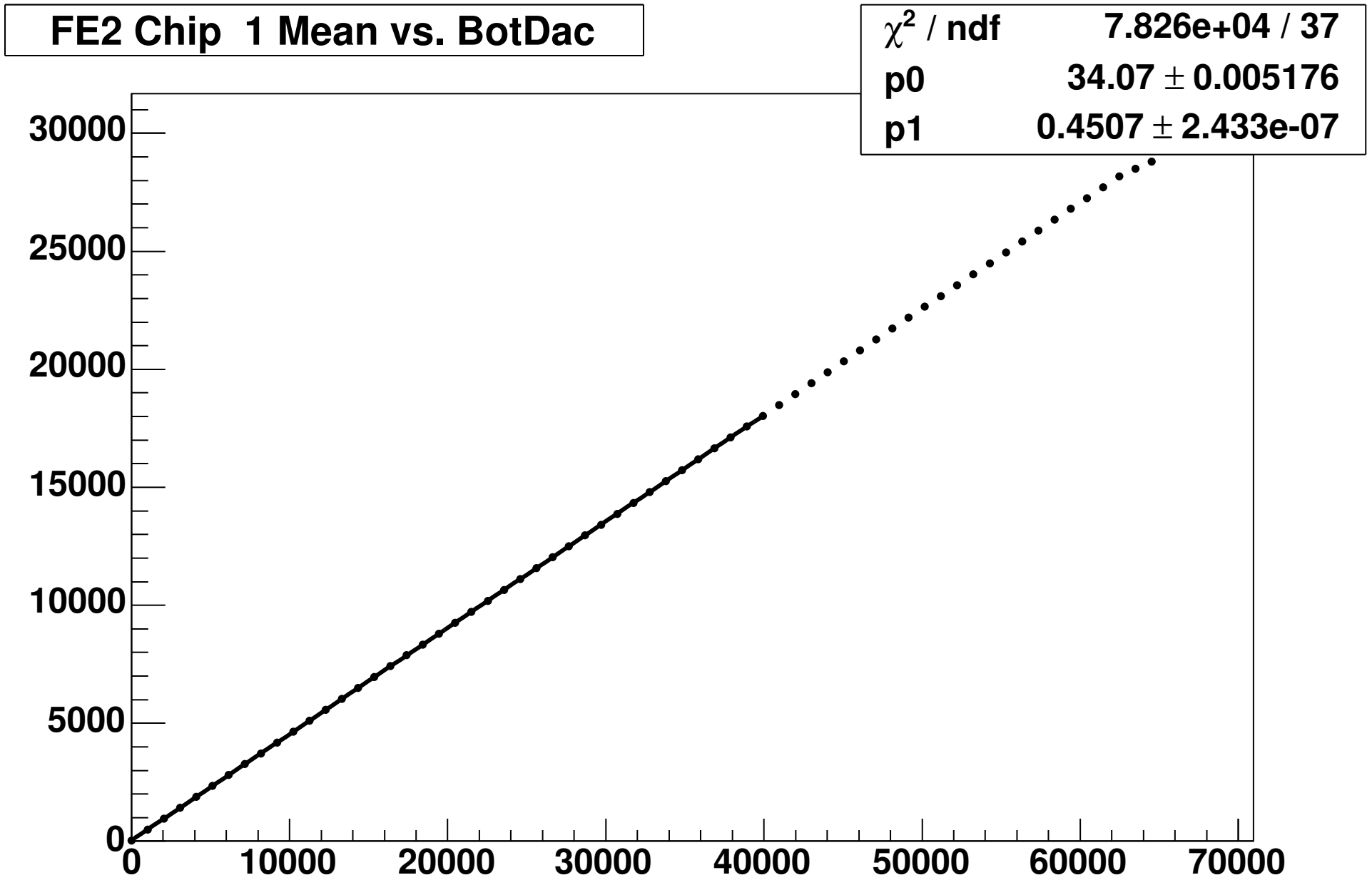
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 7.826e+04 / 37
p0 34.07 ± 0.005176
p1 0.4507 ± 2.433e-07
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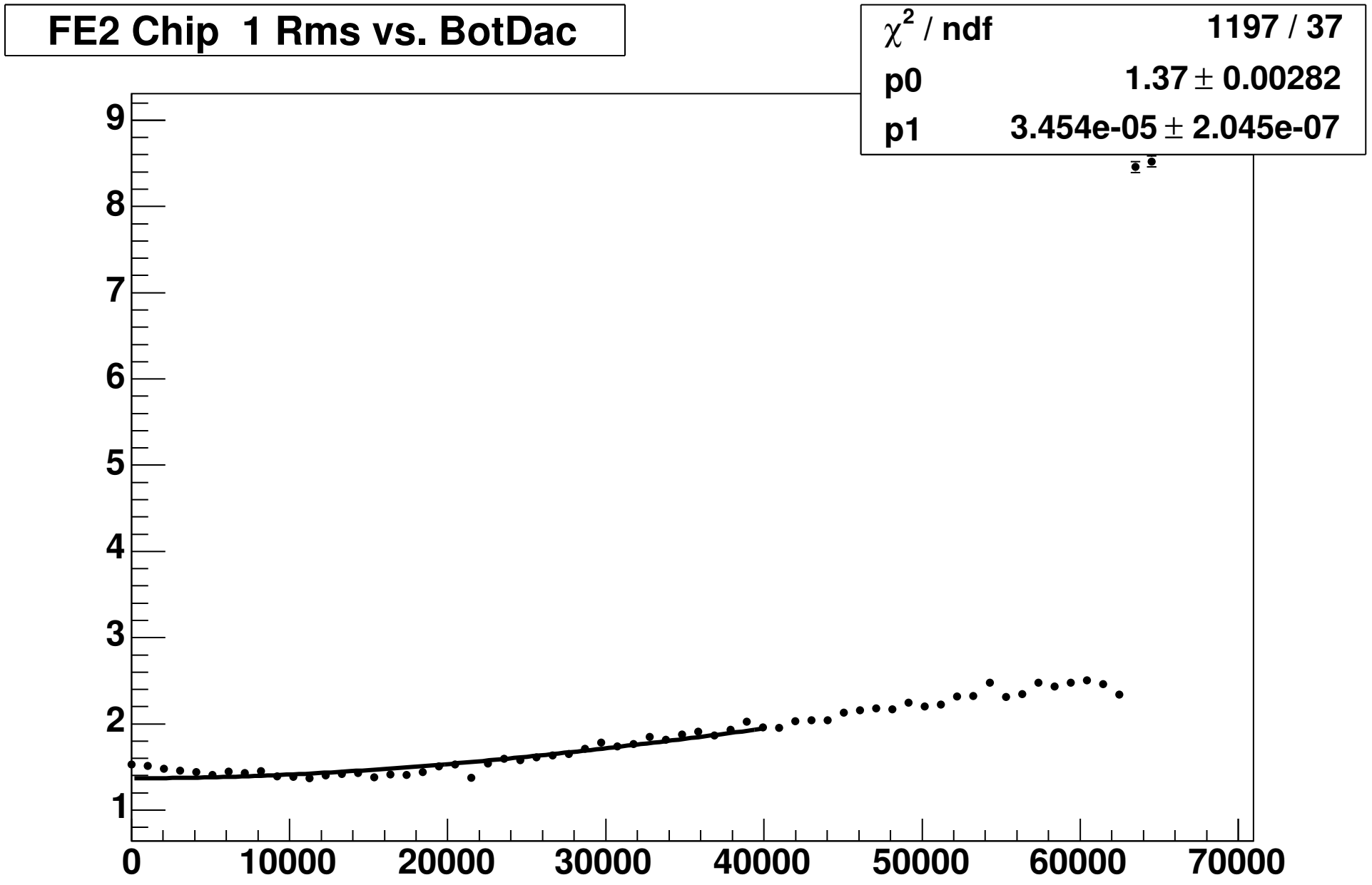
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 1197 / 37
p0 1.37 ± 0.00282
p1 3.454e-05 ± 2.045e-07
9
8
7
6
5
4
3
2
1
0
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20000
30000
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50000
60000
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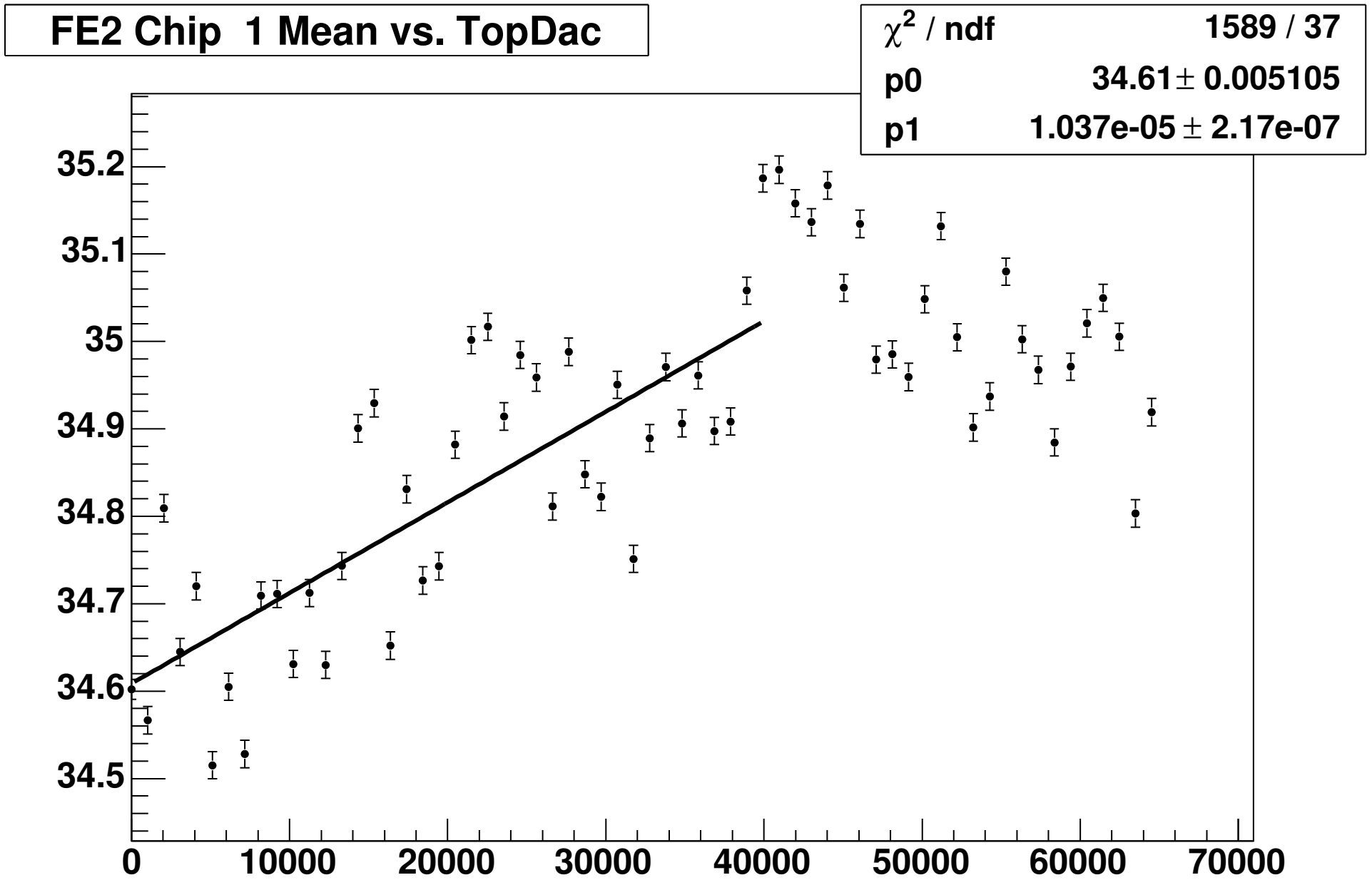
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 1589 / 37
p0 34.61 ± 0.005105
p1 1.037e-05 ± 2.17e-07
35.2
35.1
35
34.9
34.8
34.7
34.6
34.5
0
10000
20000
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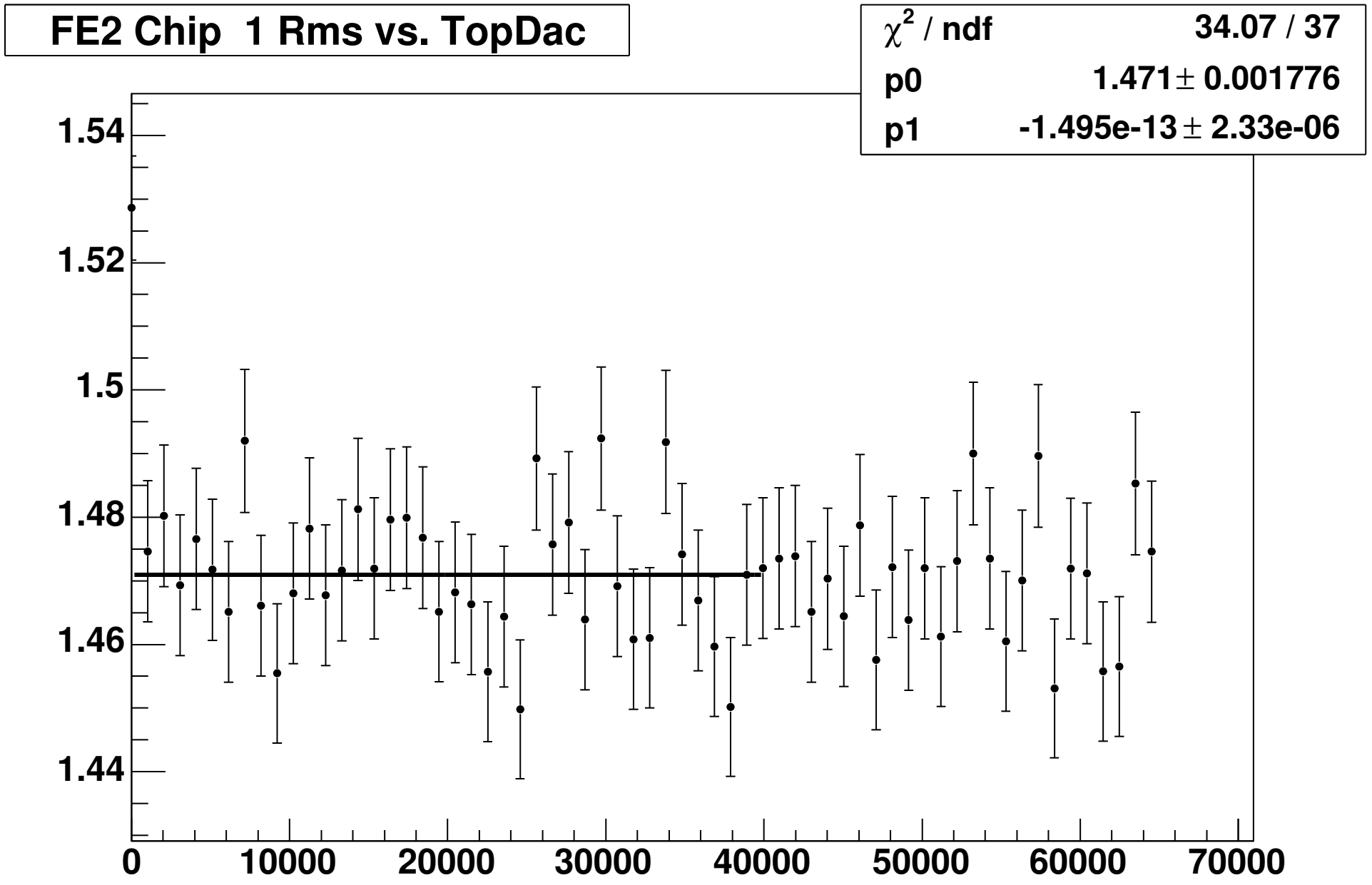
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 34.07 / 37
p0 1.471 ± 0.001776
p1 -1.495e-13 ± 2.33e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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60000
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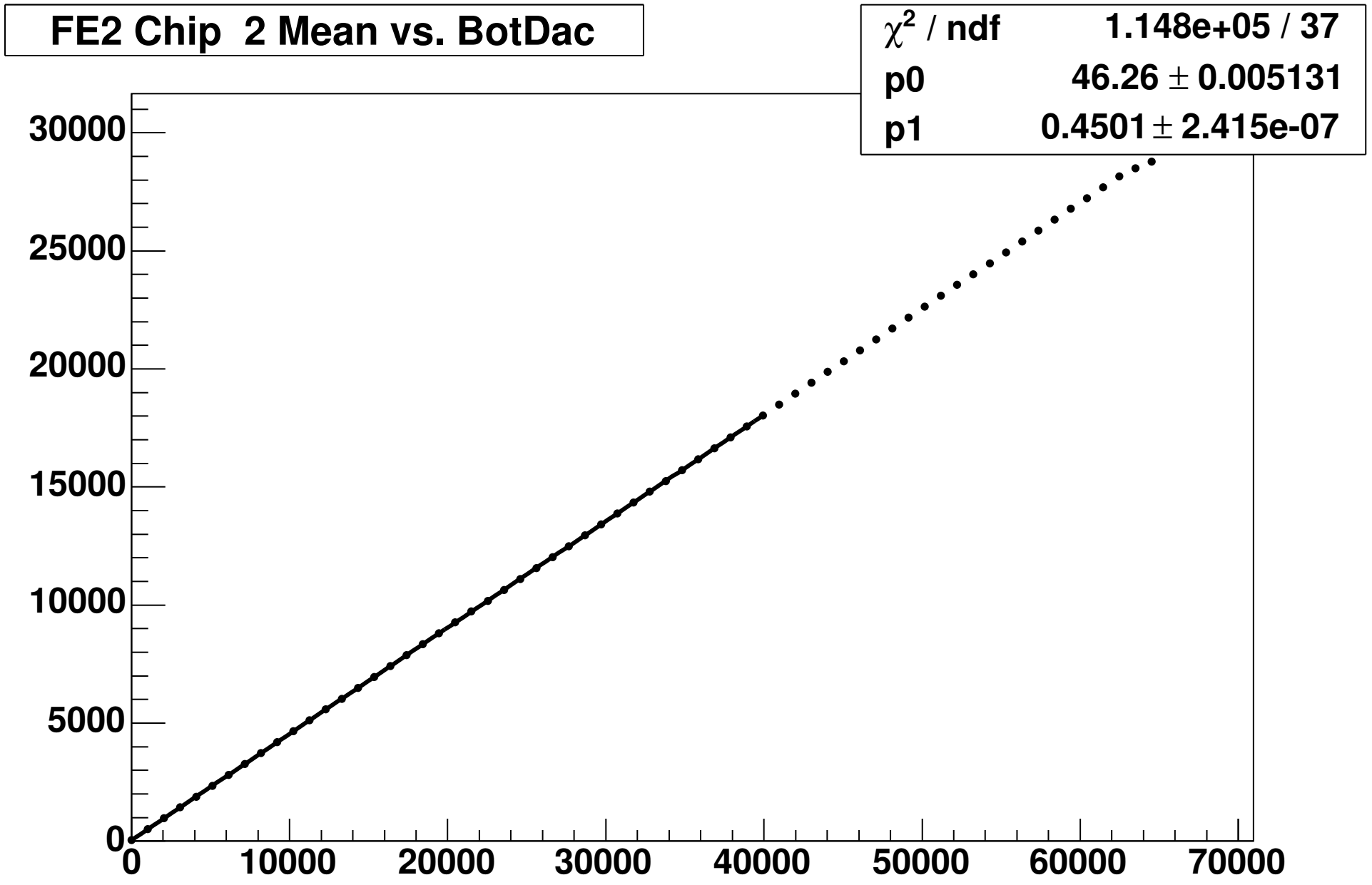
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.148e+05 / 37
p0 46.26 ± 0.005131
p1 0.4501 ± 2.415e-07
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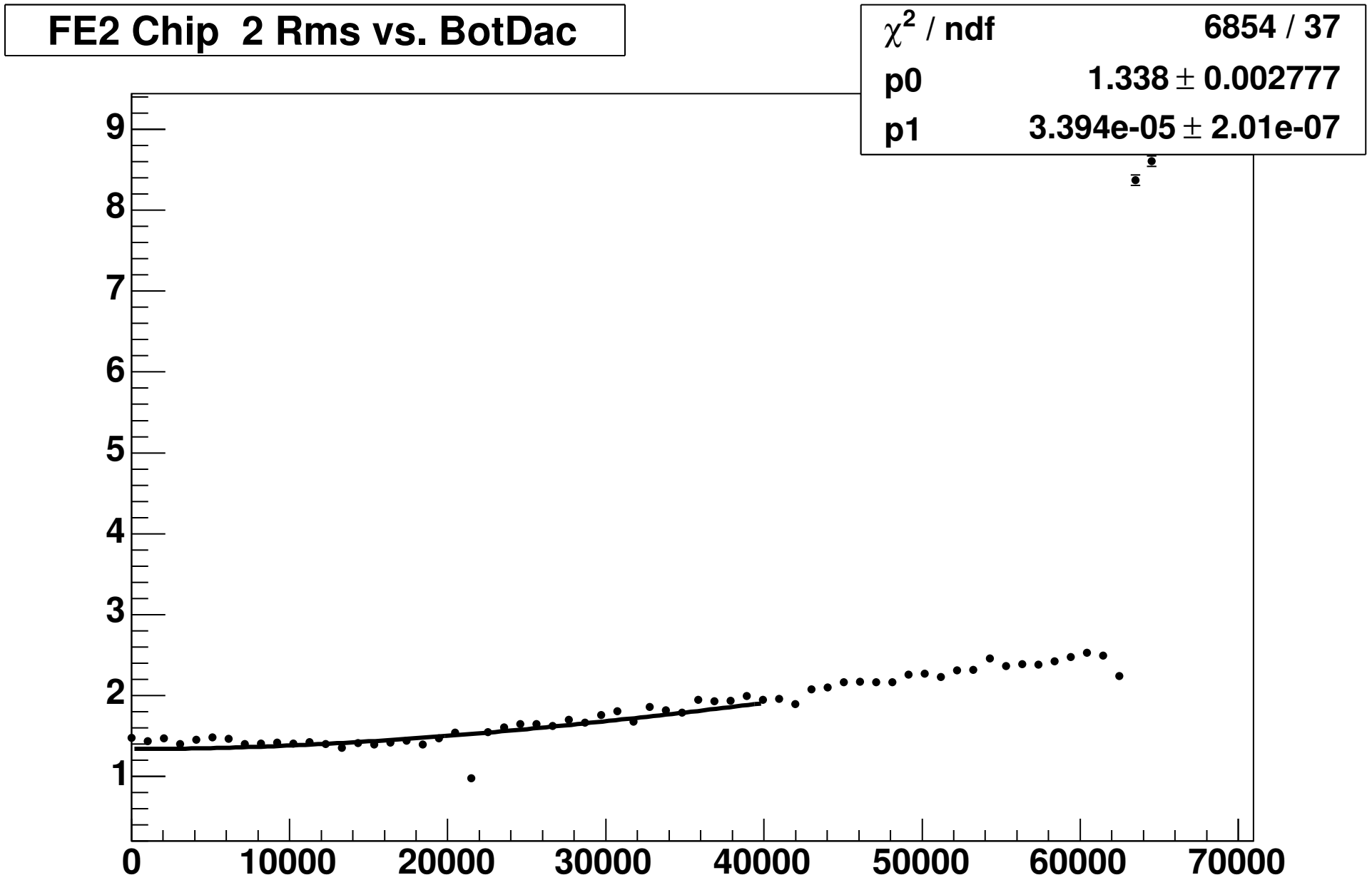
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 6854 / 37
p0 1.338 ± 0.002777
p1 3.394e-05 ± 2.01e-07
9
8
7
6
5
4
3
2
1
0
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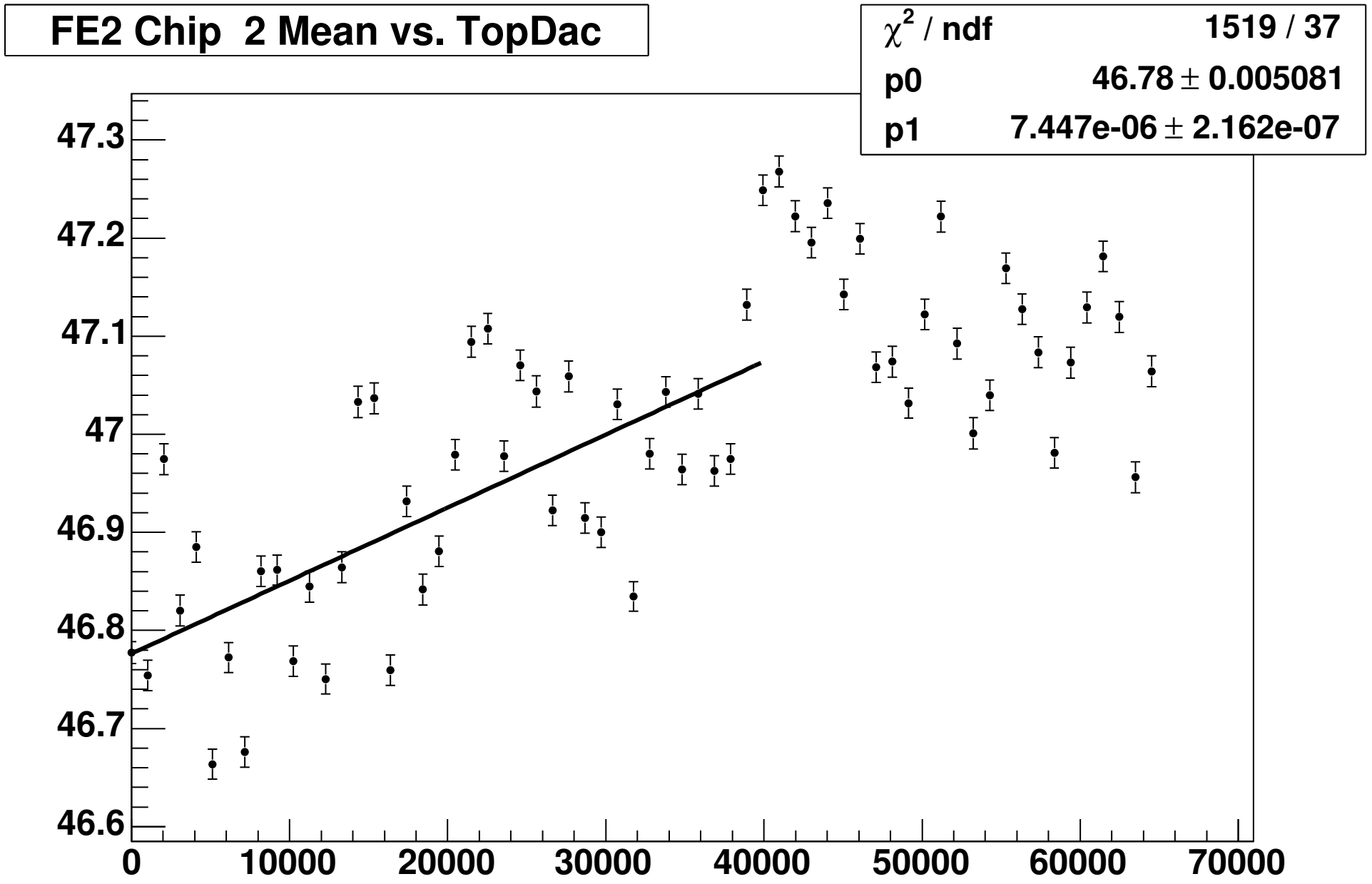
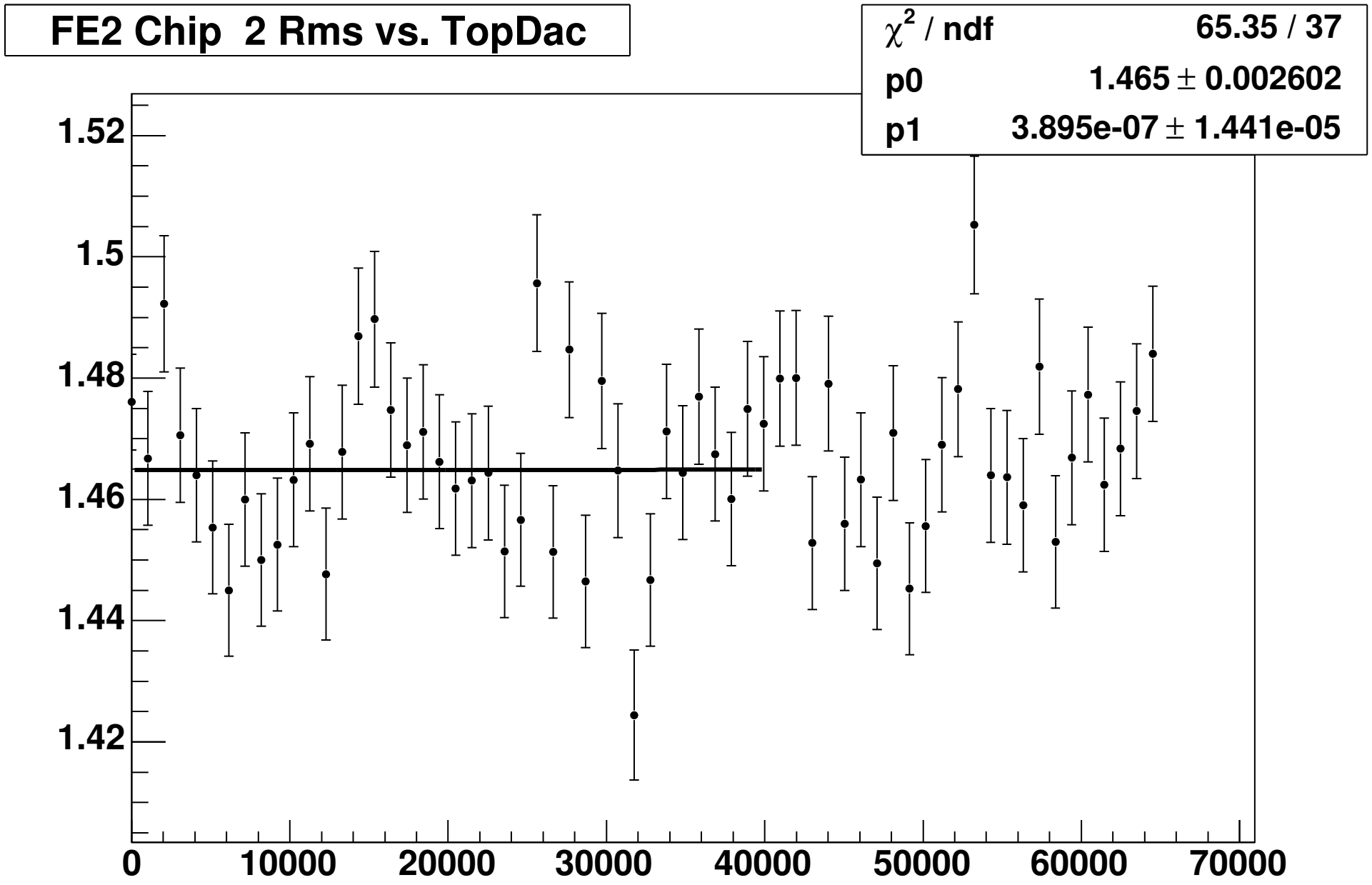
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 1519 / 37
p0 46.78 ± 0.005081
p1 7.447e-06 ± 2.162e-07
47.3
47.2
47.1
47
46.9
46.8
46.7
46.6
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 65.35 / 37
p0 1.465 ± 0.002602
p1 3.895e-07 ± 1.441e-05
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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60000
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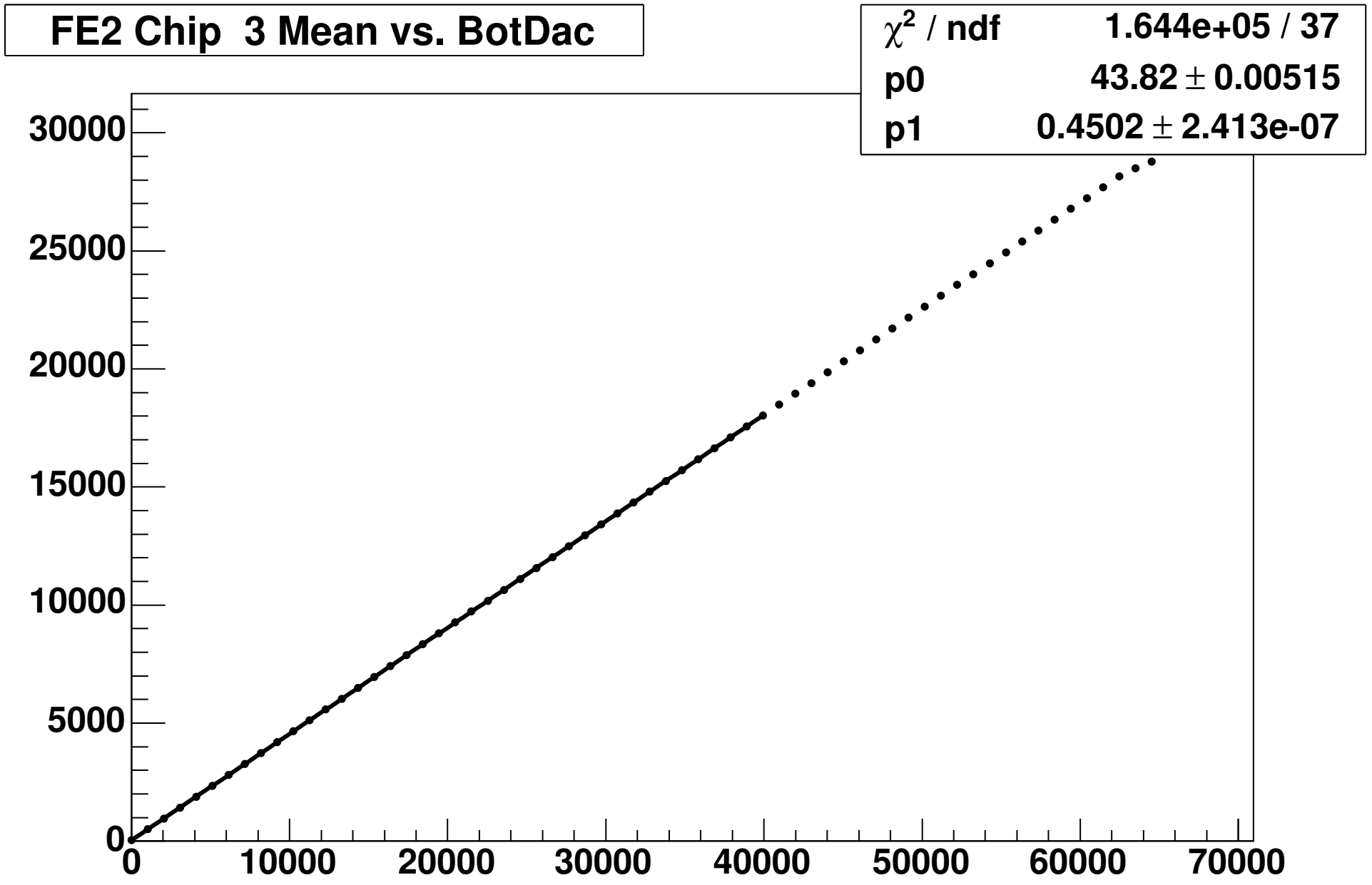
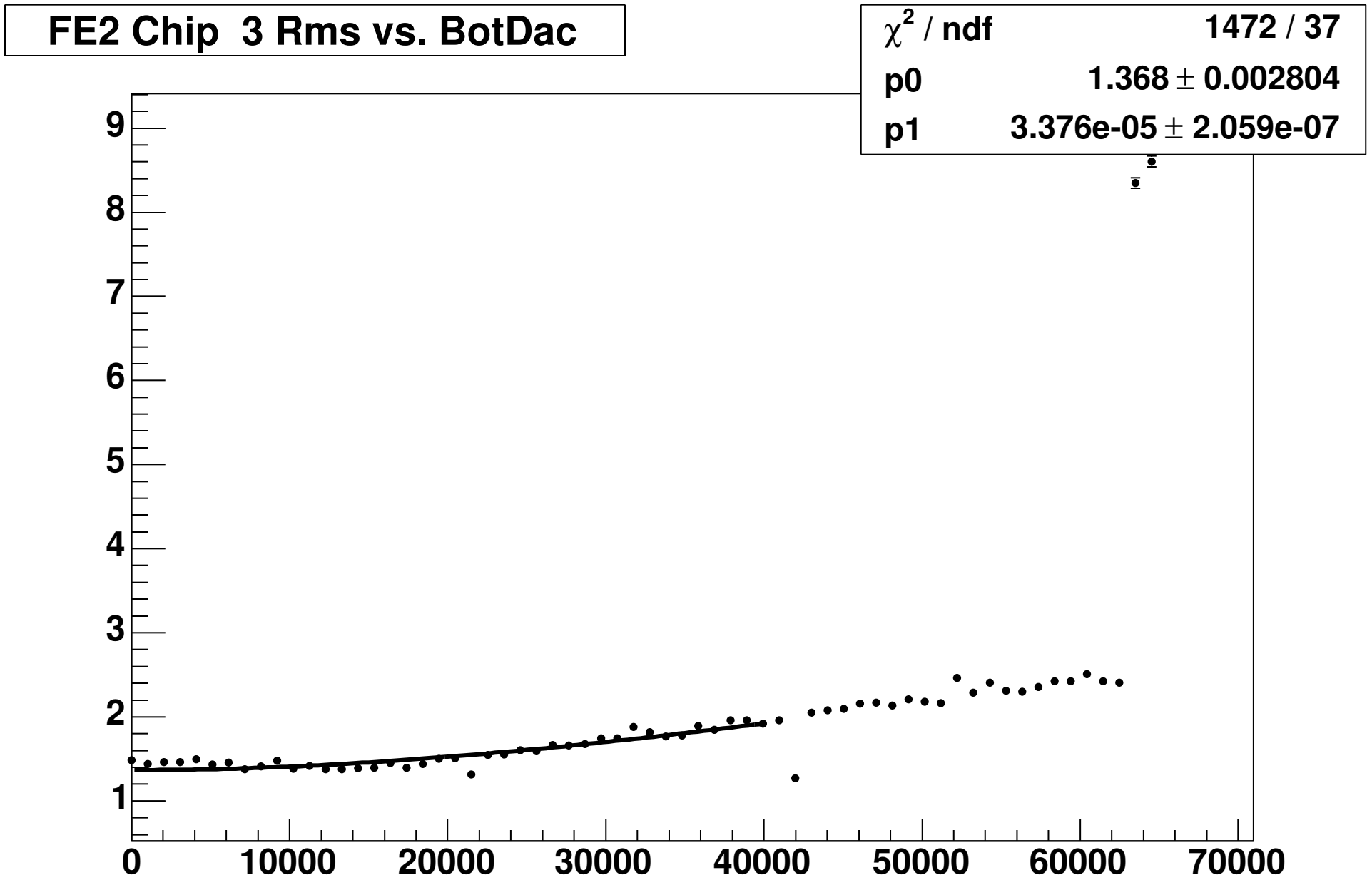

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.644e+05 / 37
p0 43.82 ± 0.00515
p1 0.4502 ± 2.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 1472 / 37
p0 1.368 ± 0.002804
p1 3.376e-05 ± 2.059e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
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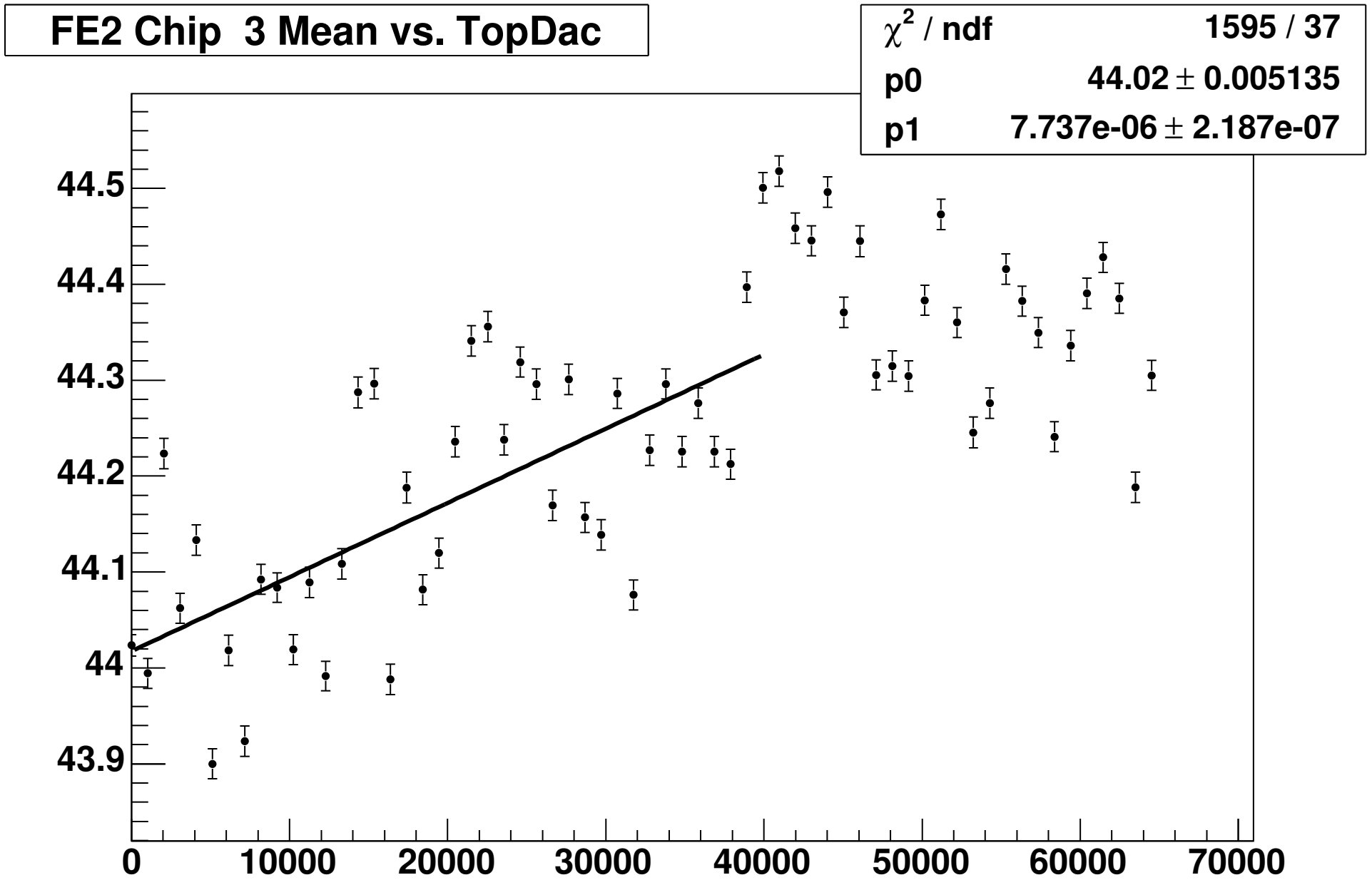
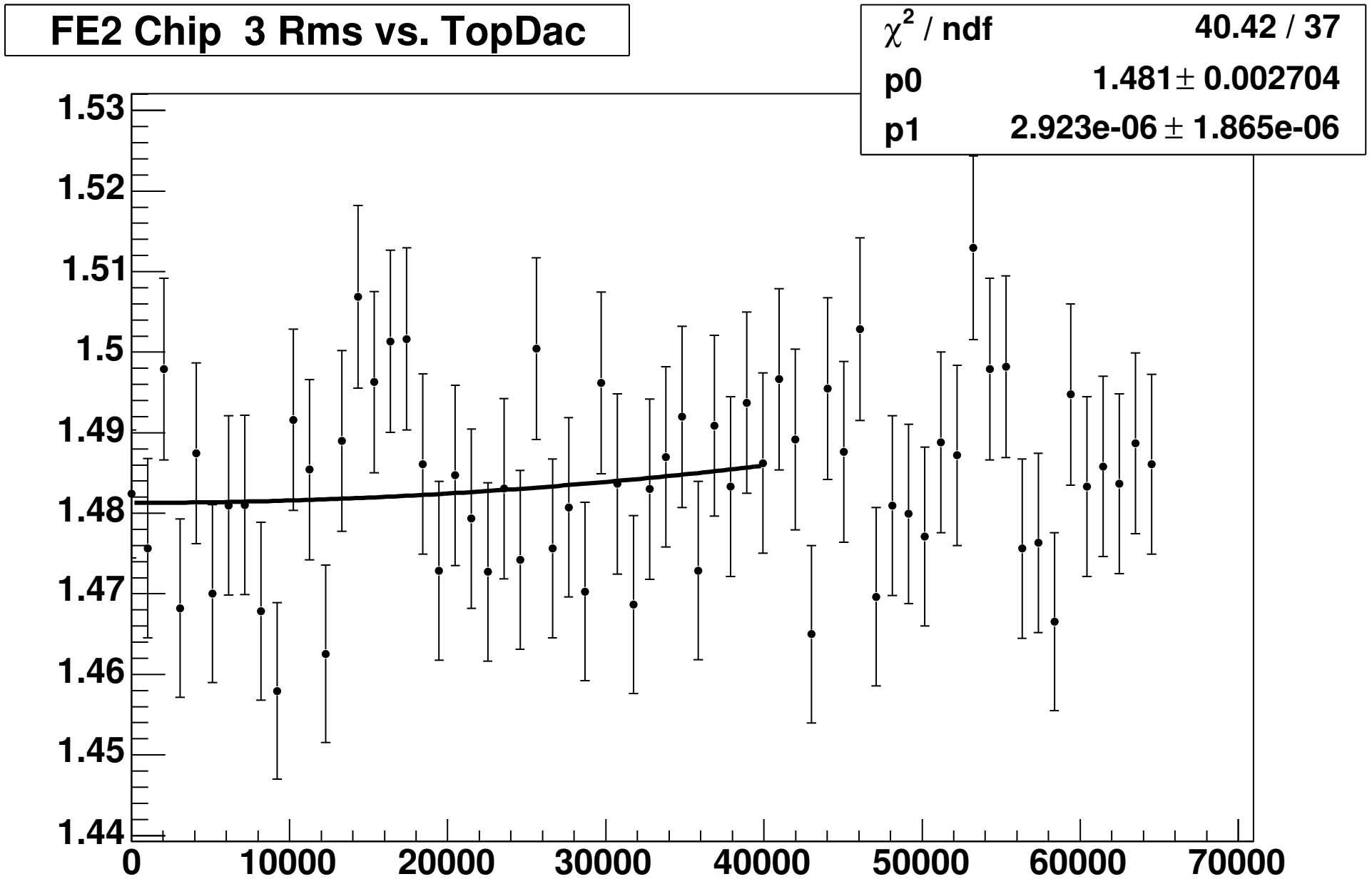
50000
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 1595 / 37
p0 44.02 ± 0.005135
p1 7.737e-06 ± 2.187e-07
44.5
44.4
44.3
44.2
44.1
44
43.9
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 40.42 / 37
p0 1.481 ± 0.002704
p1 2.923e-06 ± 1.865e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
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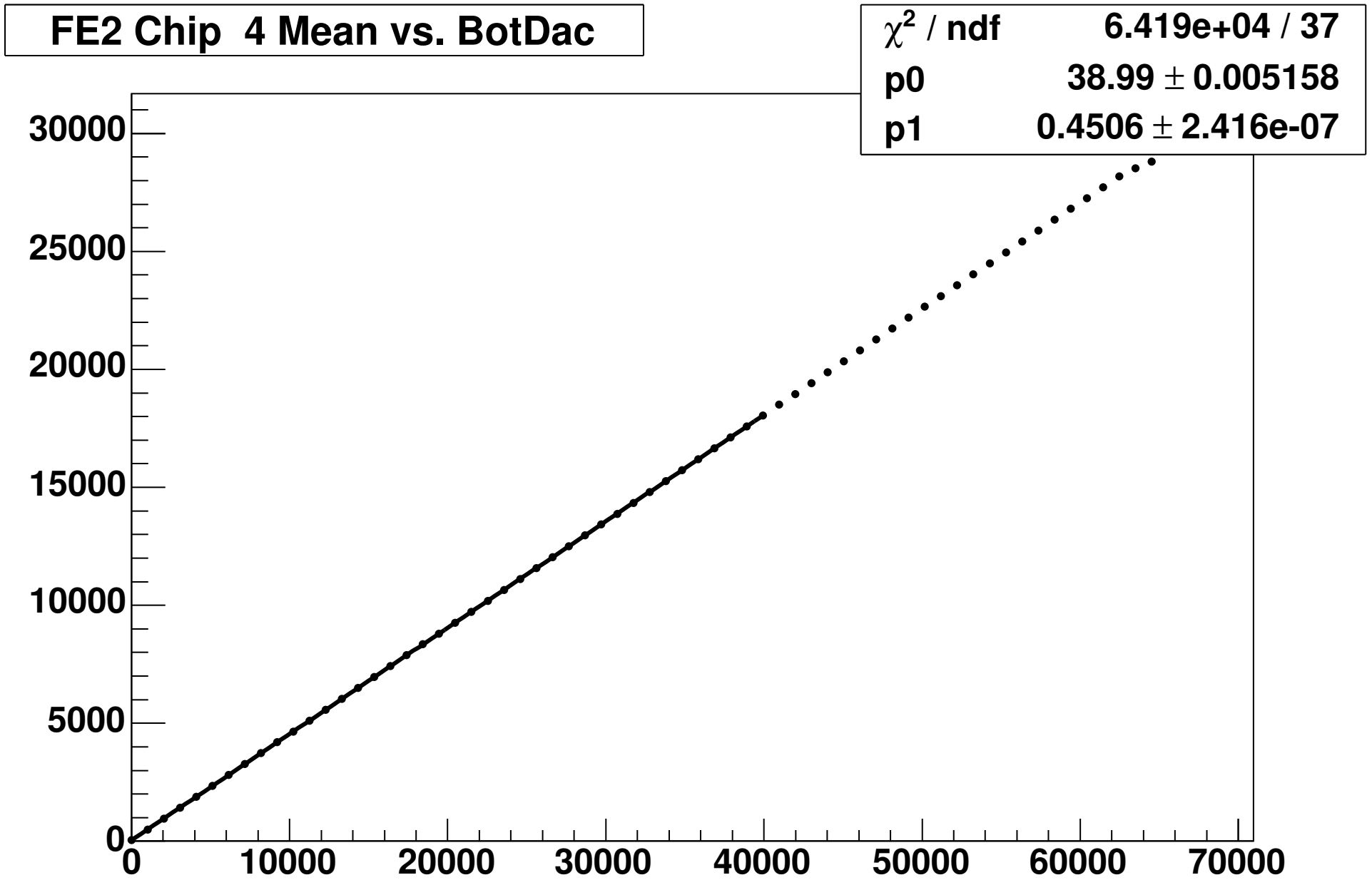
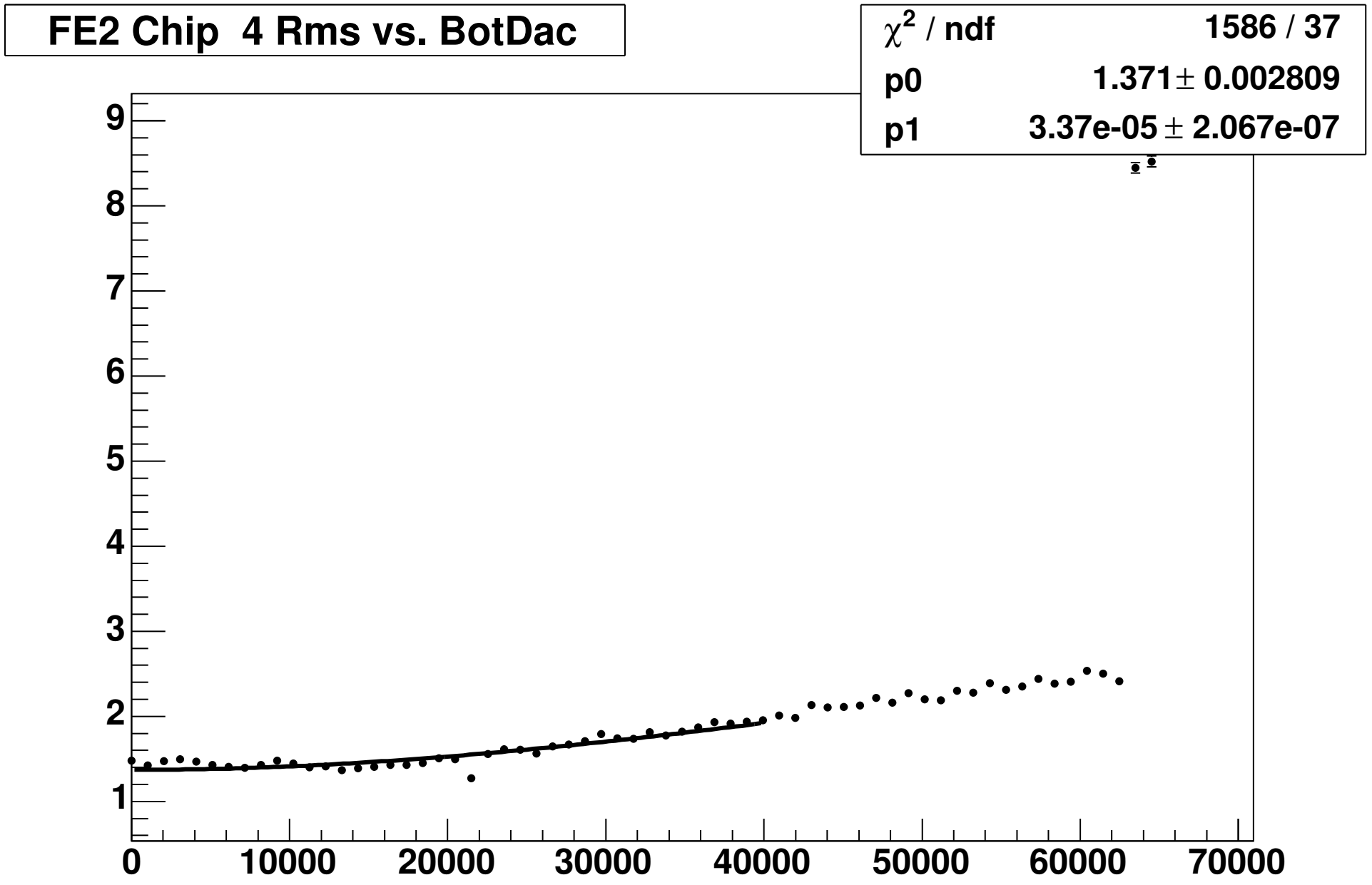
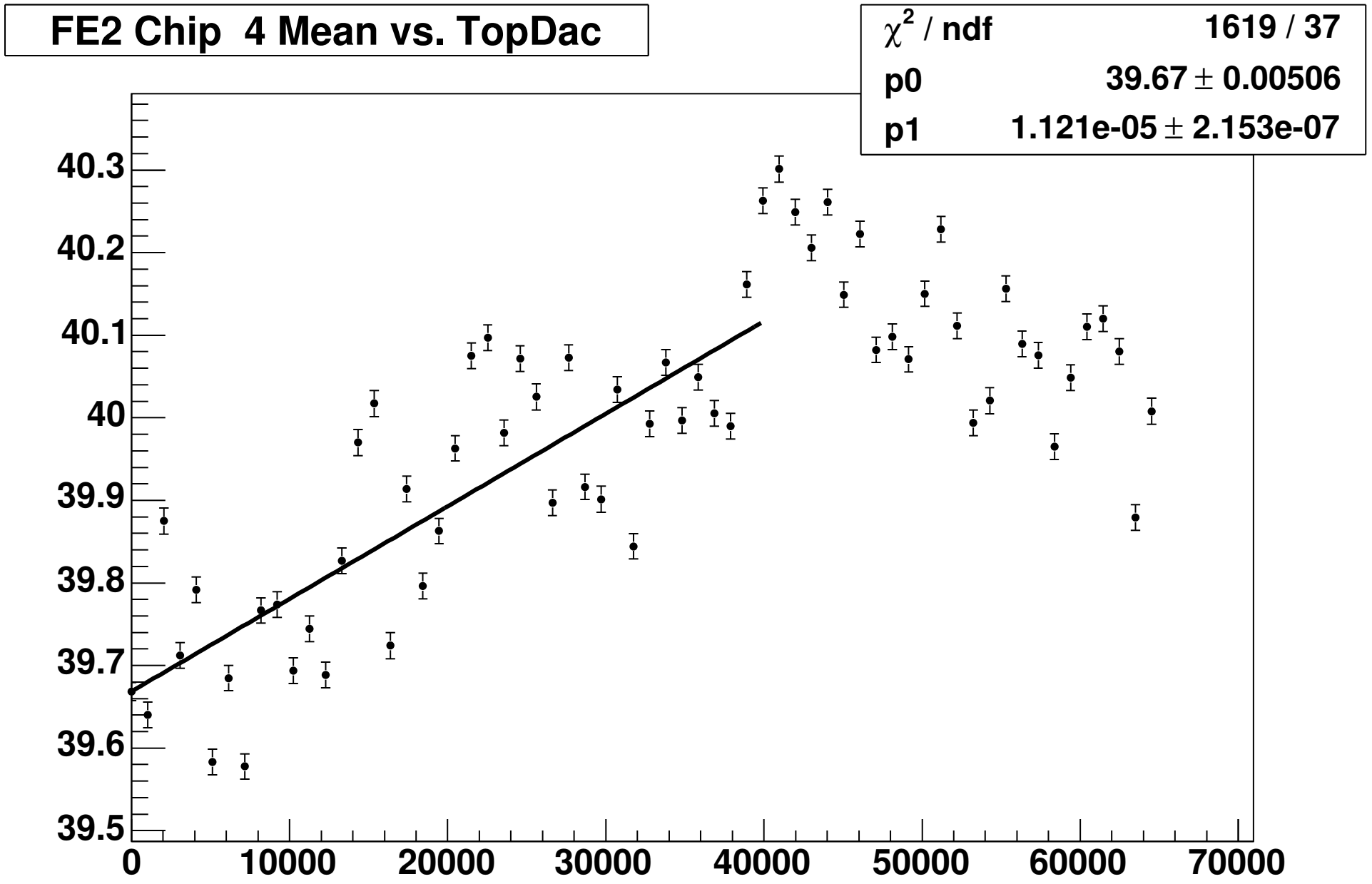
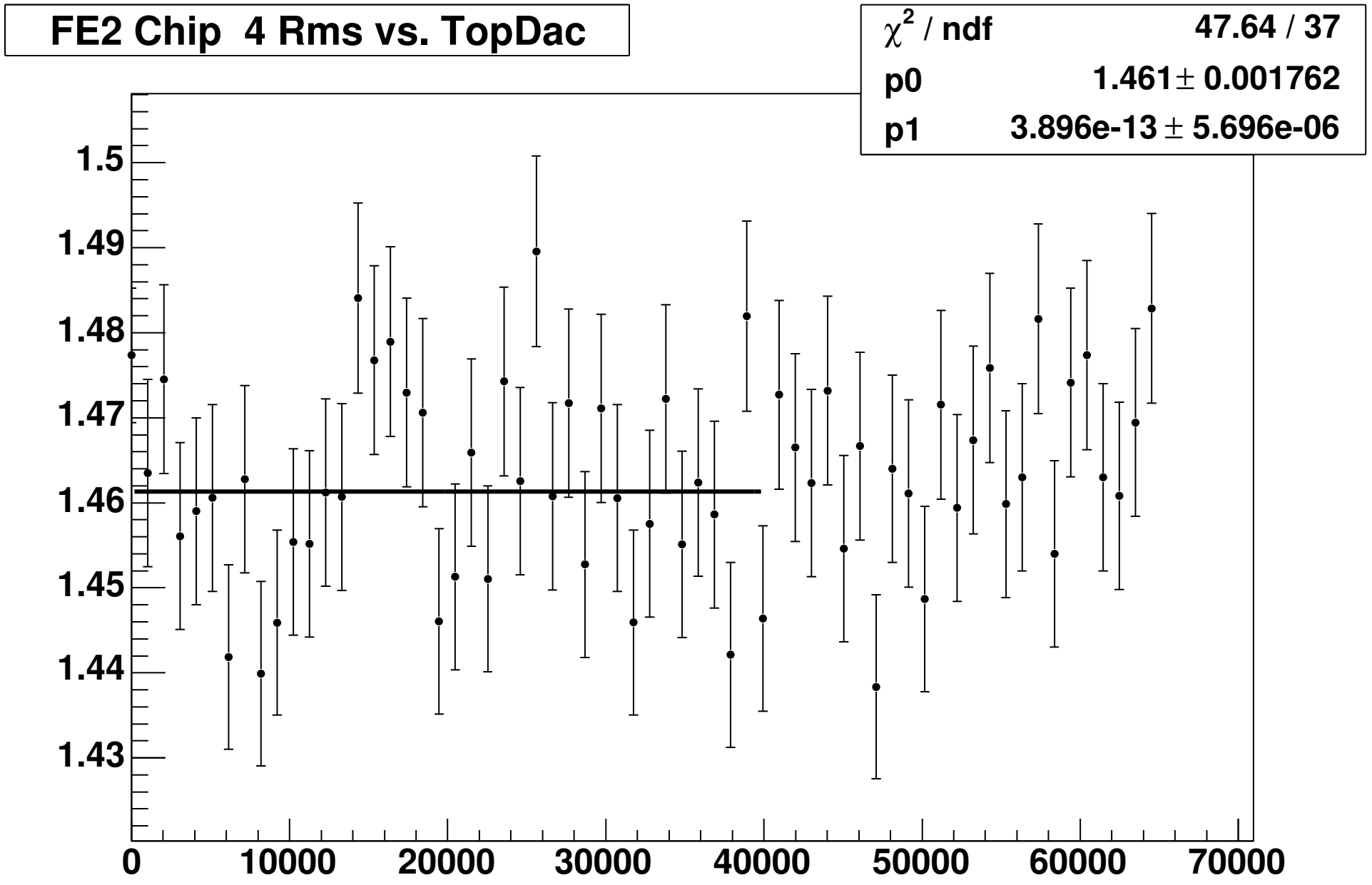

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 6.419e+04 / 37
p0 38.99 ± 0.005158
p1 0.4506 ± 2.416e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 1586 / 37
p0 1.371 ± 0.002809
p1 3.37e-05 ± 2.067e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 1619 / 37
p0 39.67 ± 0.00506
p1 1.121e-05 ± 2.153e-07
40.3
40.2
40.1
40
39.9
39.8
39.7
39.6
39.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 47.64 / 37
p0 1.461 ± 0.001762
p1 3.896e-13 ± 5.696e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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20000
30000
40000
50000
60000
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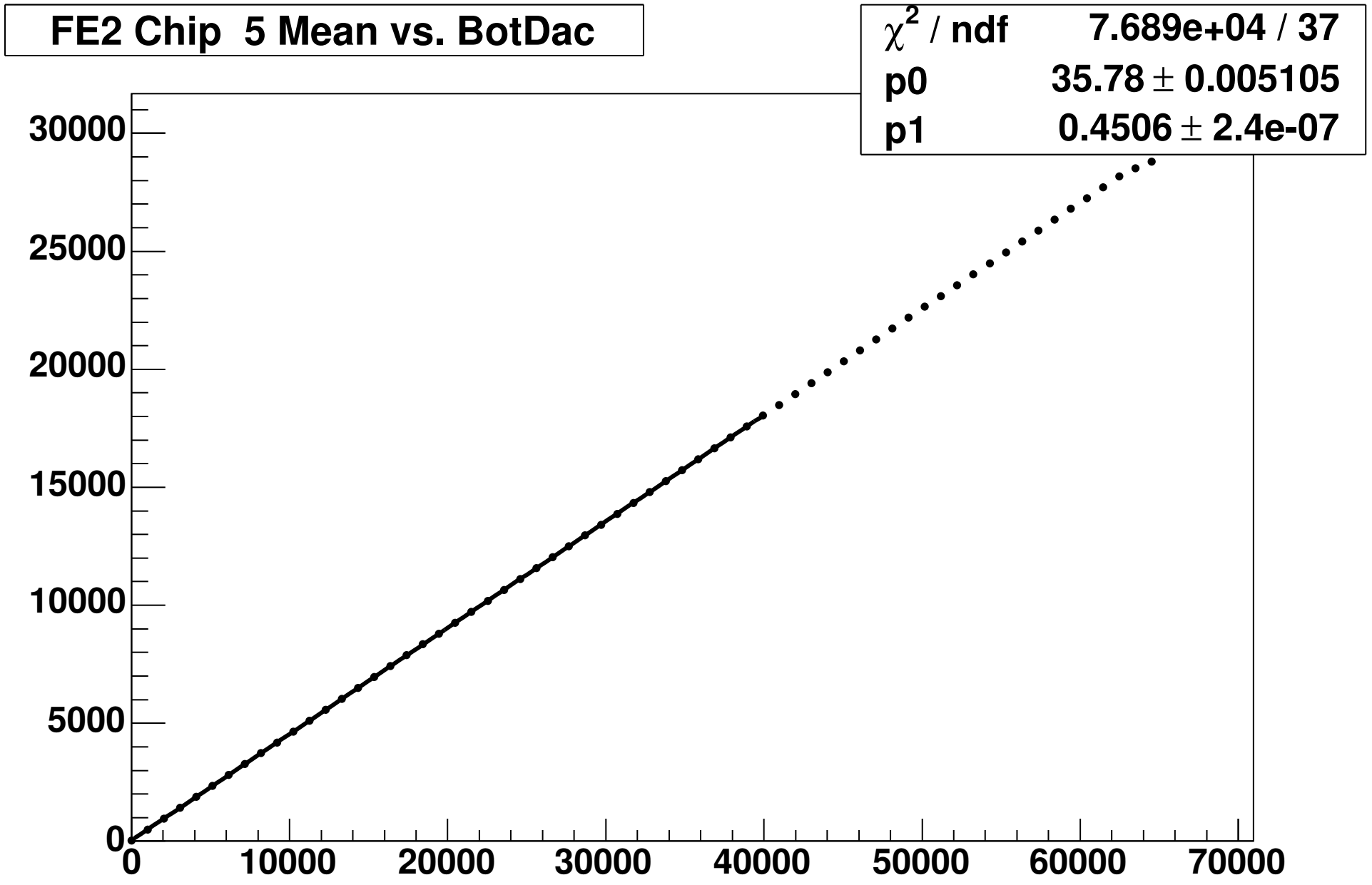
FE2 Chip 5 Mean vs. BotDac
χ² / ndf 7.689e+04 / 37
p0 35.78 ± 0.005105
p1 0.4506 ± 2.4e-07
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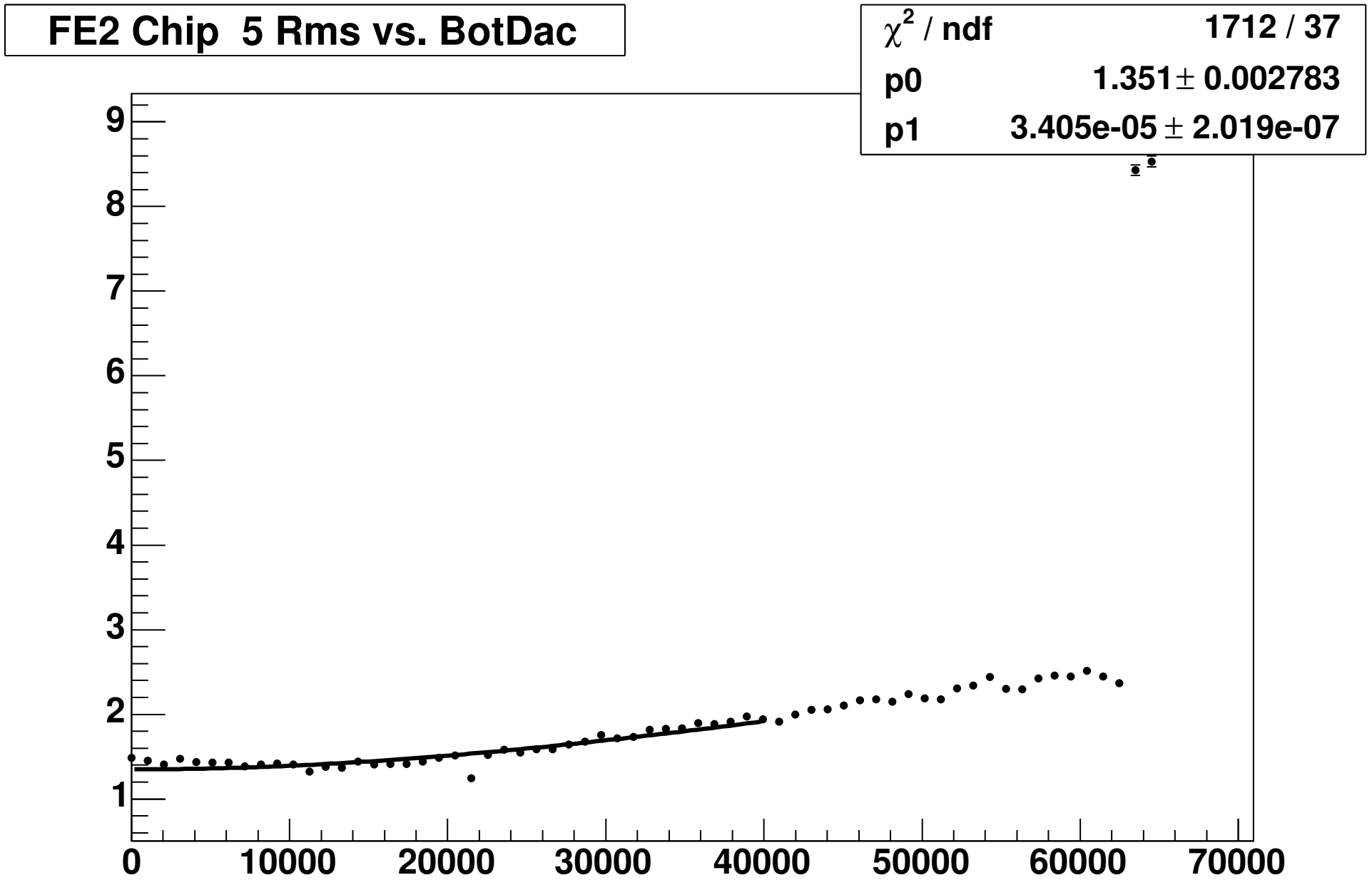
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 1712 / 37
p0 1.351 ± 0.002783
p1 3.405e-05 ± 2.019e-07
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8
7
6
5
4
3
2
1
0
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20000
30000
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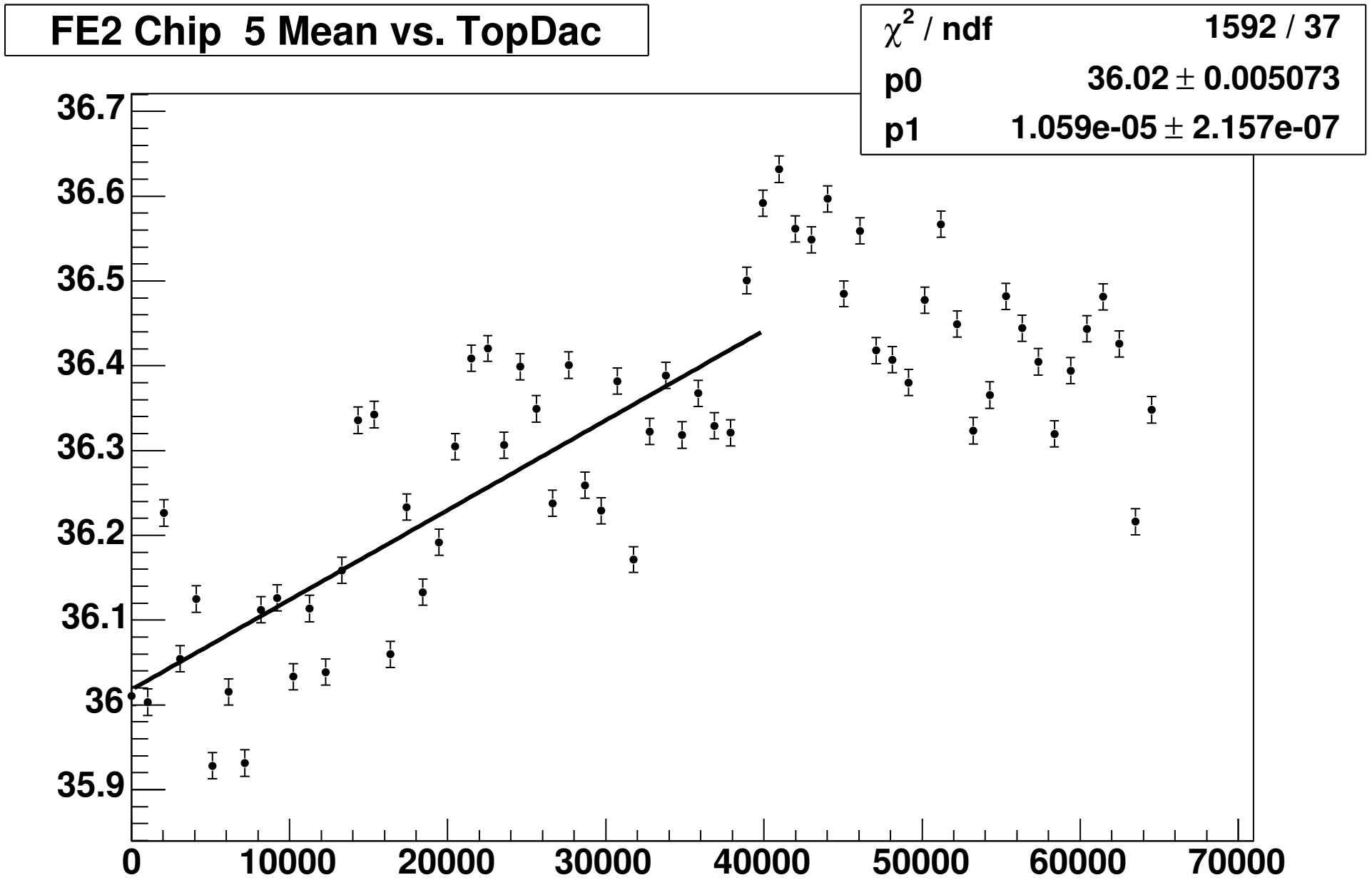
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 1592 / 37
p0 36.02 ± 0.005073
p1 1.059e-05 ± 2.157e-07
36.7
36.6
36.5
36.4
36.3
36.2
36.1
36
35.9
0
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20000
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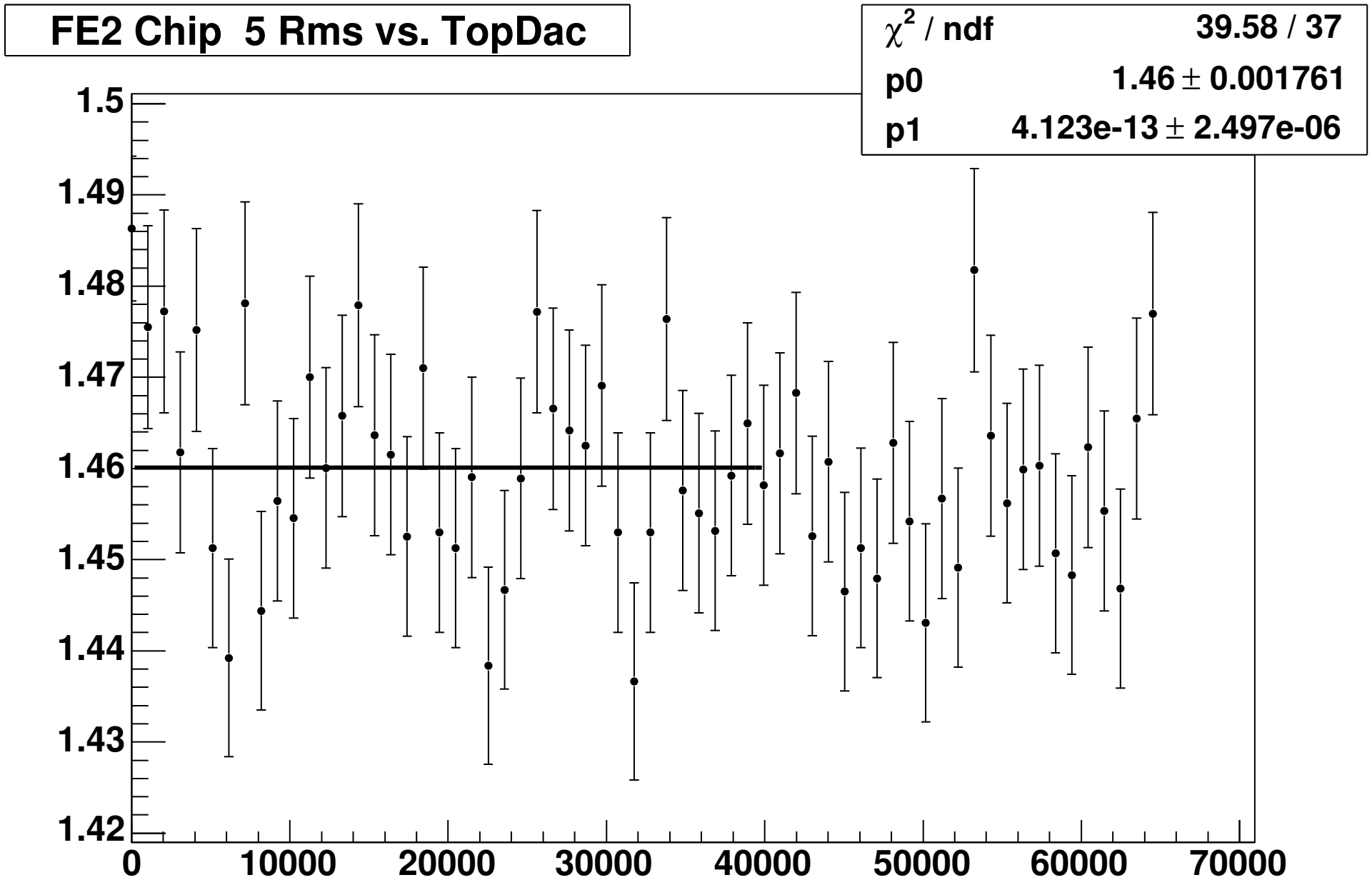
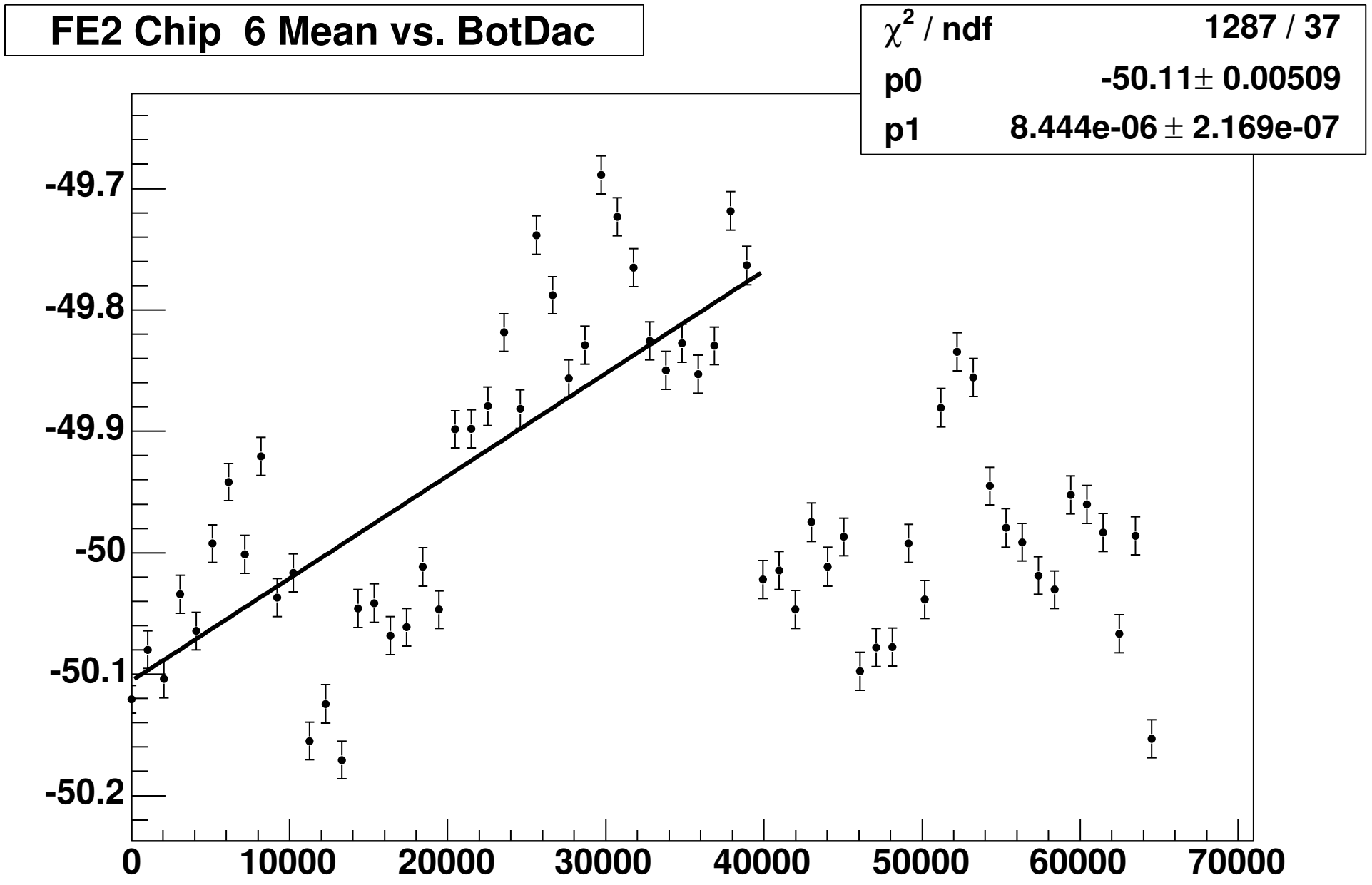
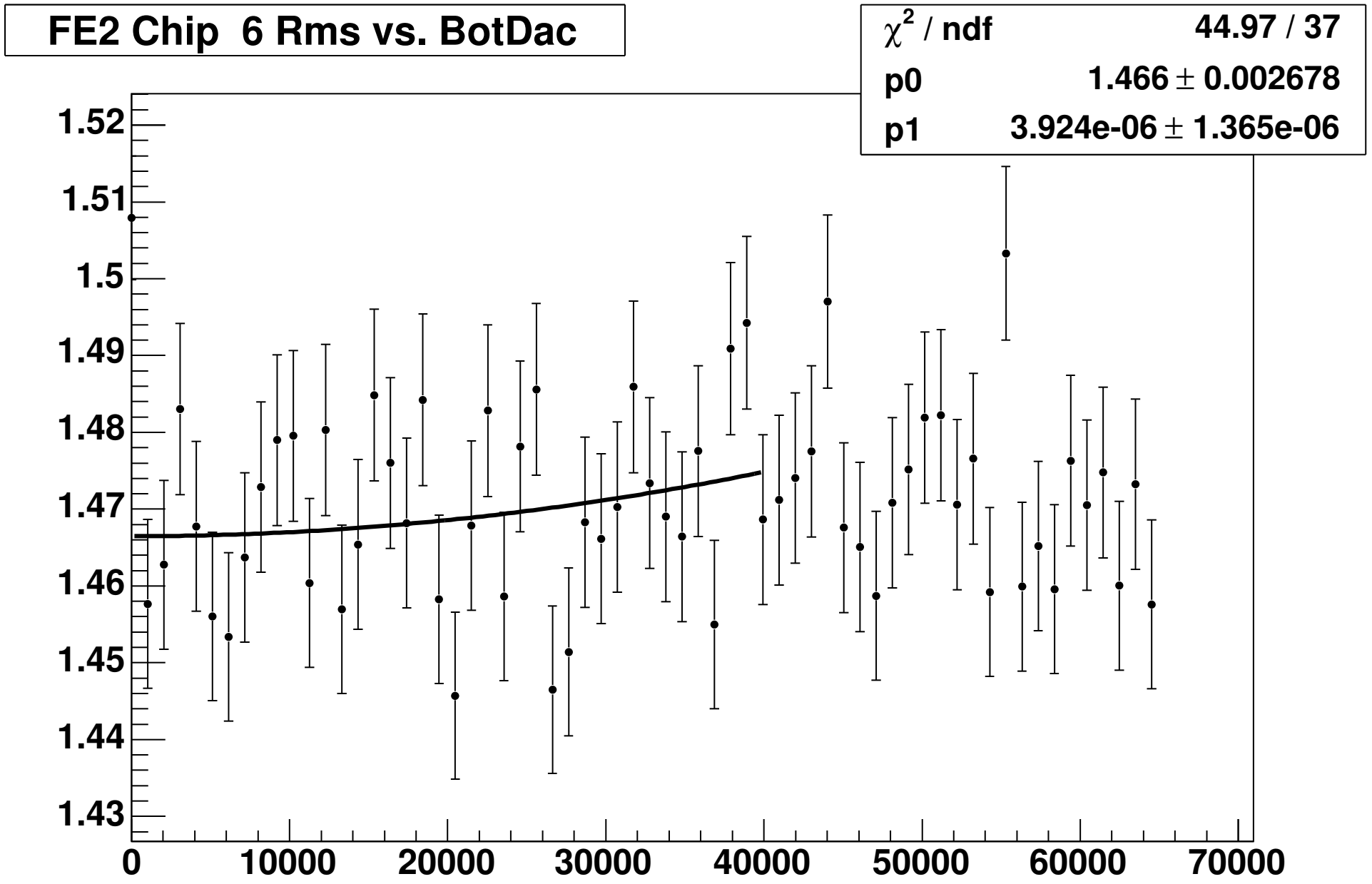
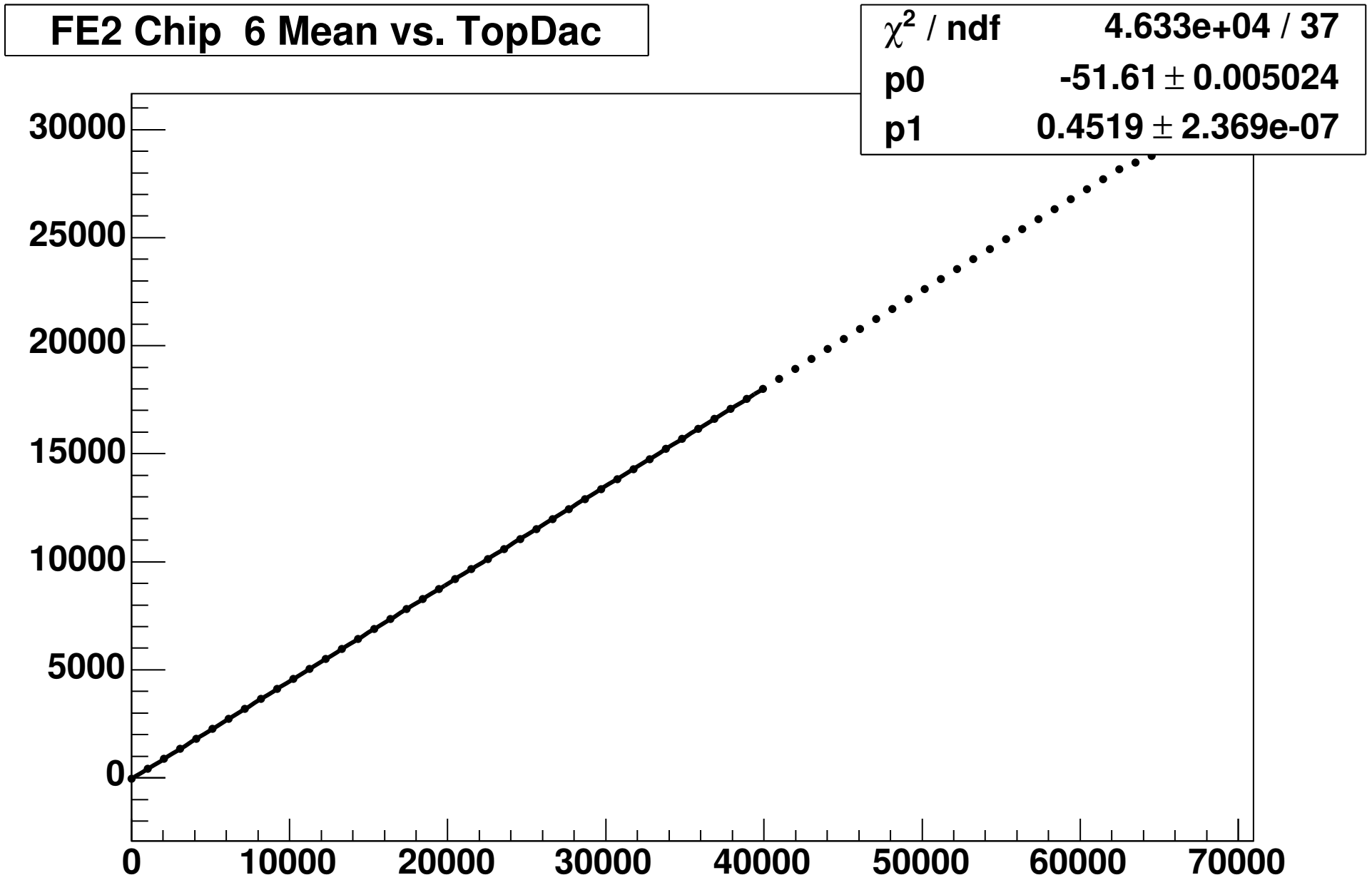
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 39.58 / 37
p0 1.46 ± 0.001761
p1 4.123e-13 ± 2.497e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 1287 / 37
p0 -50.11 ± 0.00509
p1 8.444e-06 ± 2.169e-07
-49.7
-49.8
-49.9
-50
-50.1
-50.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 44.97 / 37
p0 1.466 ± 0.002678
p1 3.924e-06 ± 1.365e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 4.633e+04 / 37
p0 -51.61 ± 0.005024
p1 0.4519 ± 2.369e-07
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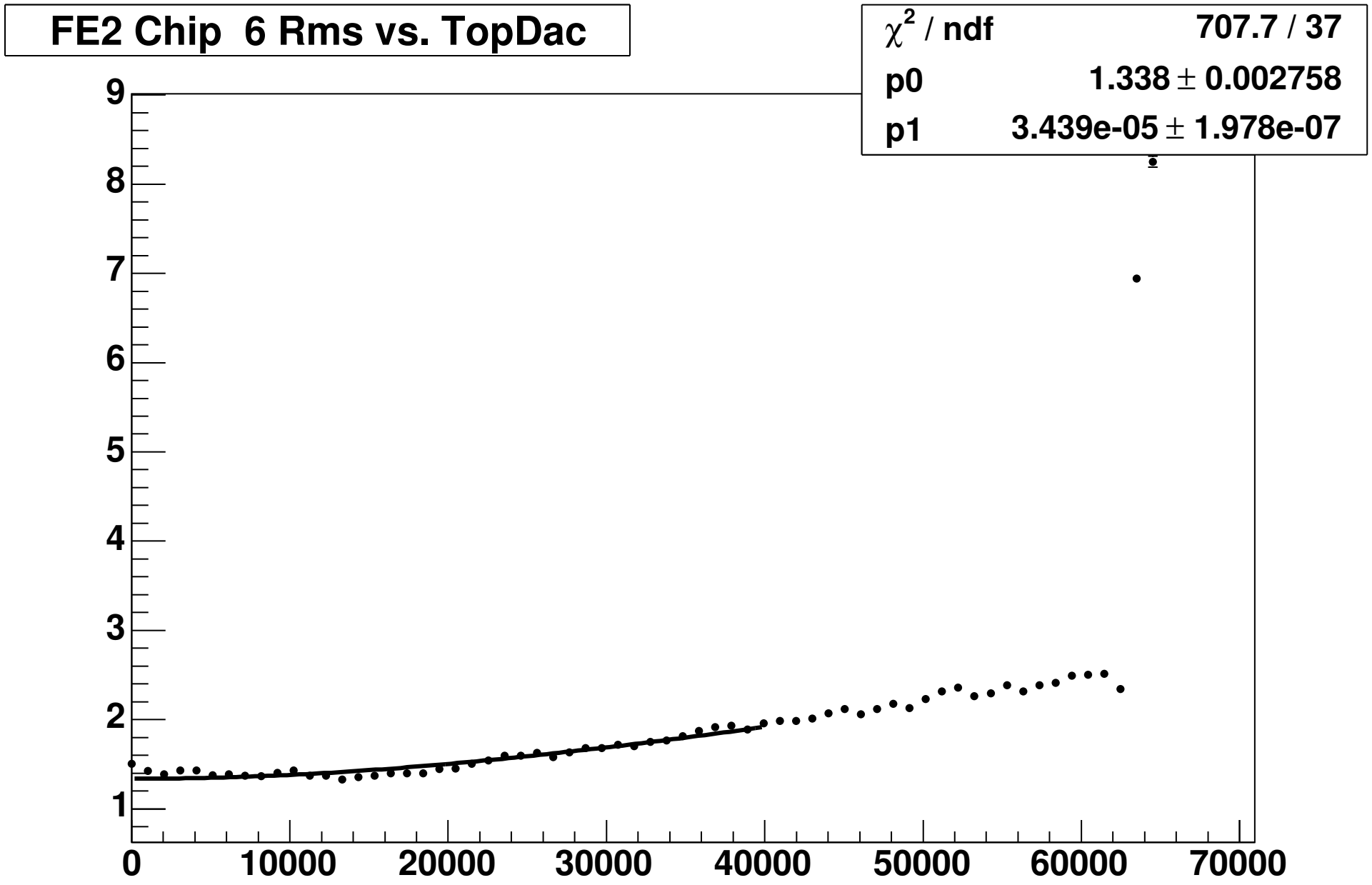
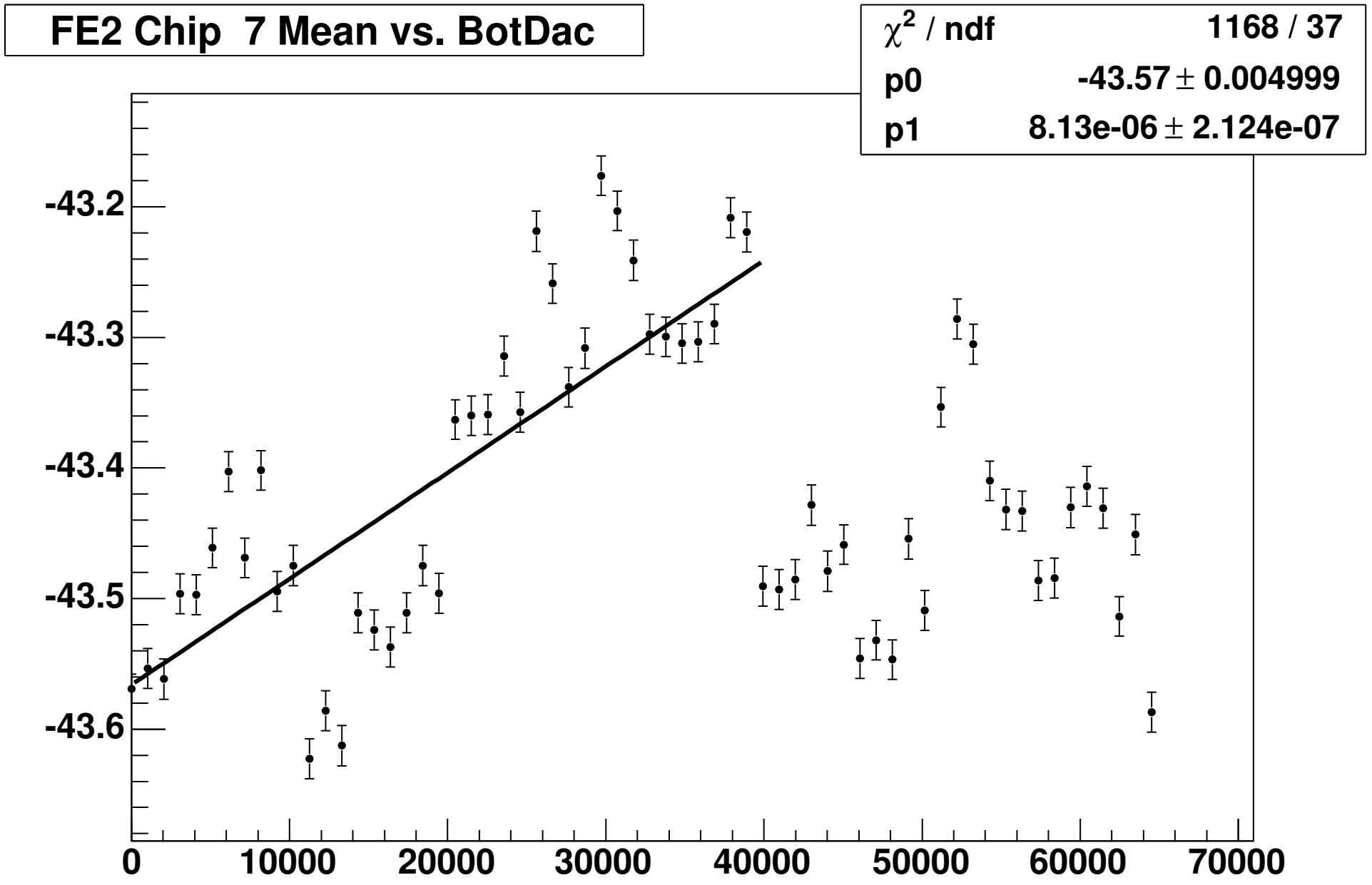
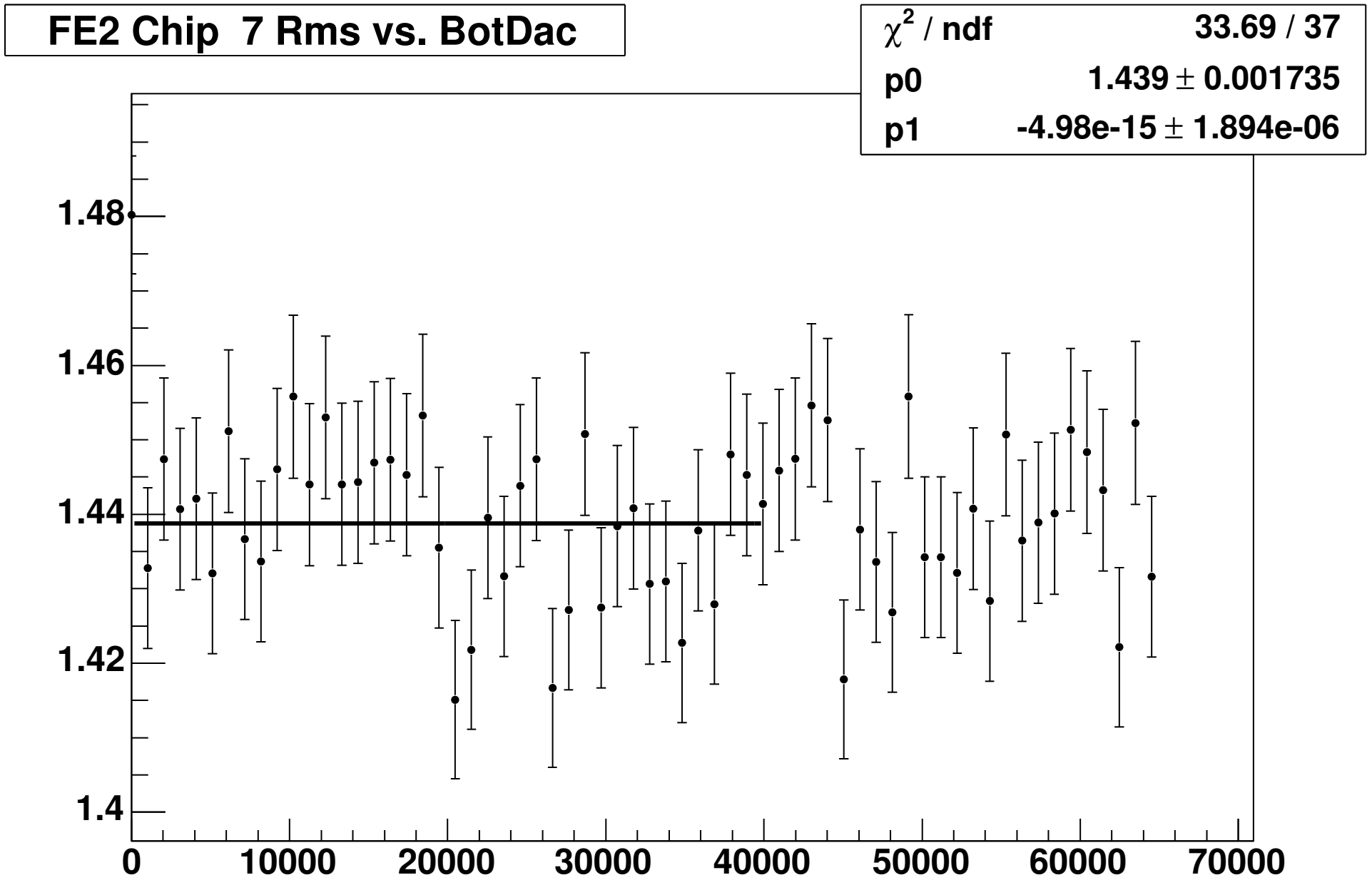
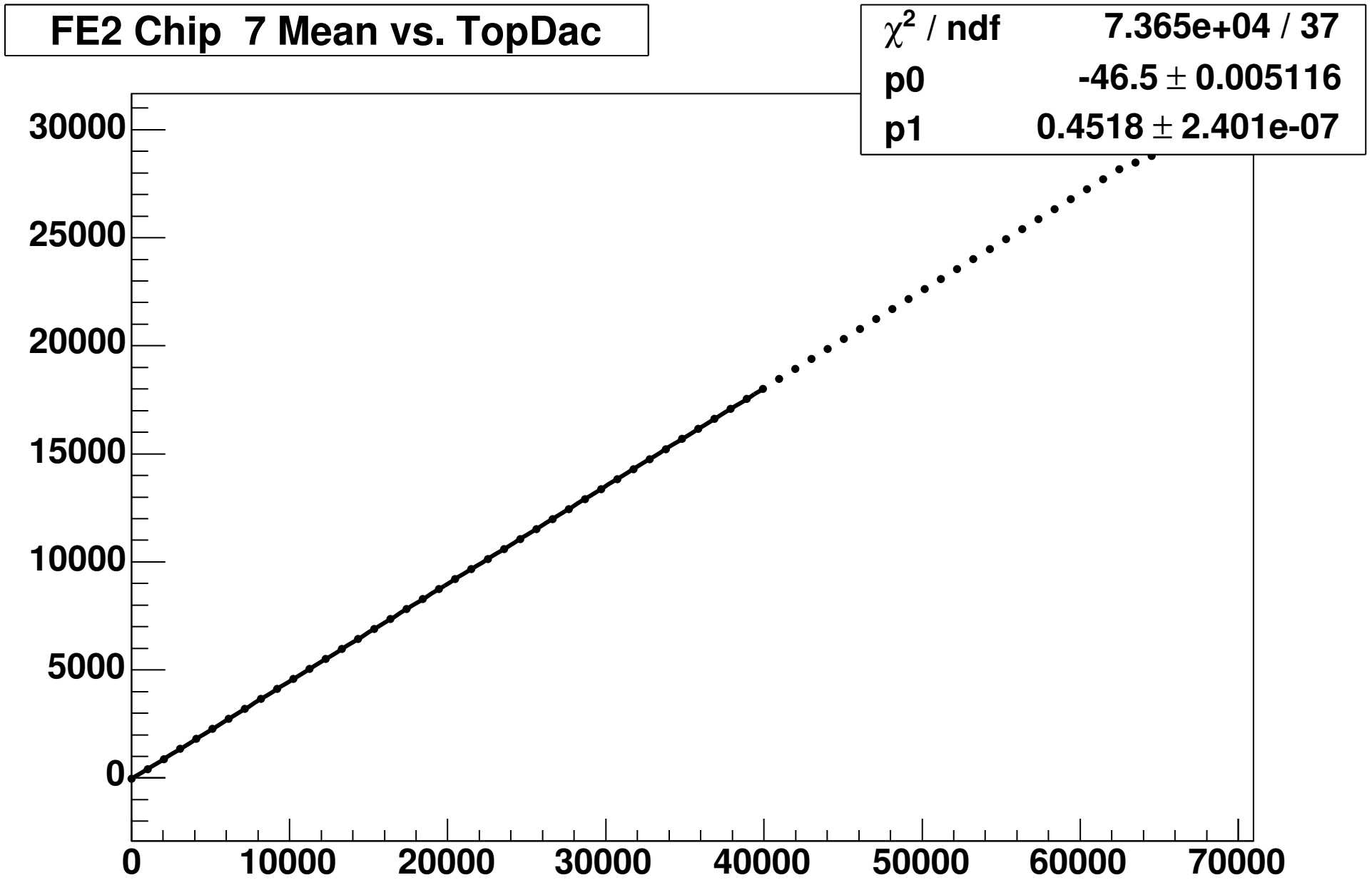
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 707.7 / 37
p0 1.338 ± 0.002758
p1 3.439e-05 ± 1.978e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 1168 / 37
p0 -43.57 ± 0.004999
p1 8.13e-06 ± 2.124e-07
-43.2
-43.3
-43.4
-43.5
-43.6
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 33.69 / 37
p0 1.439 ± 0.001735
p1 -4.98e-15 ± 1.894e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 7.365e+04 / 37
p0 -46.5 ± 0.005116
p1 0.4518 ± 2.401e-07
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25000
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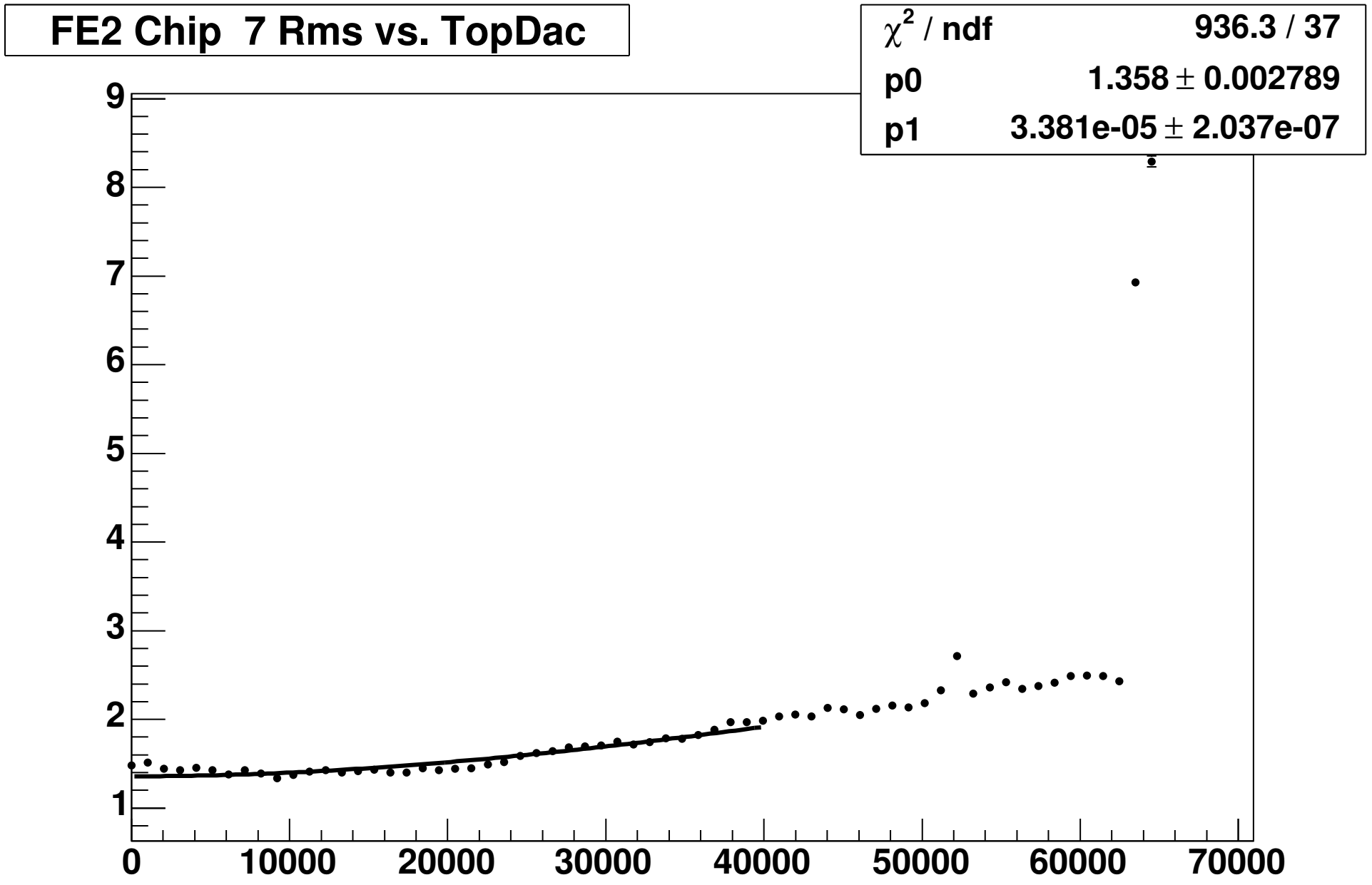
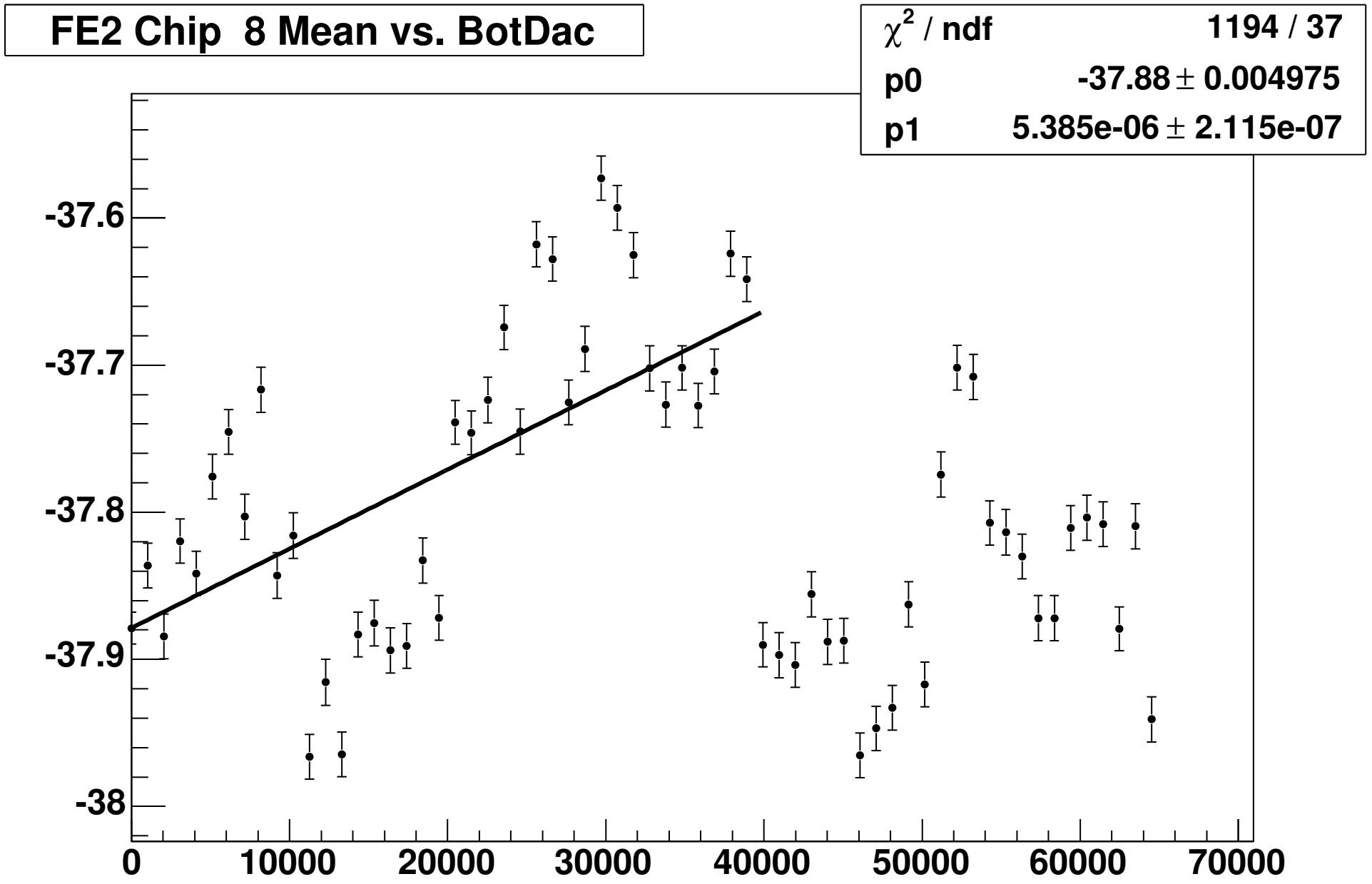
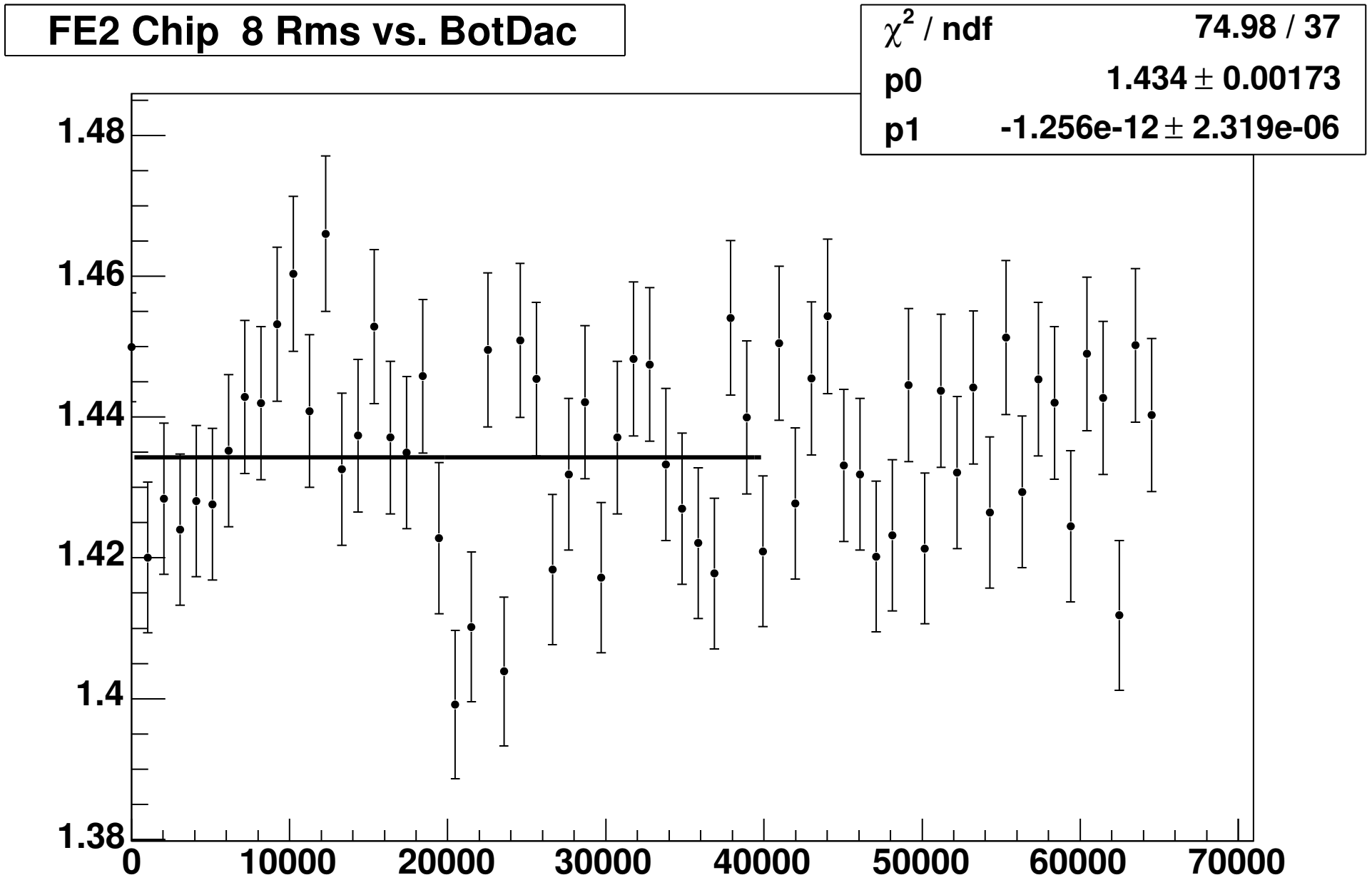
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 936.3 / 37
p0 1.358 ± 0.002789
p1 3.381e-05 ± 2.037e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 1194 / 37
p0 -37.88 ± 0.004975
p1 5.385e-06 ± 2.115e-07
-37.6
-37.7
-37.8
-37.9
-38
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 74.98 / 37
p0 1.434 ± 0.00173
p1 -1.256e-12 ± 2.319e-06
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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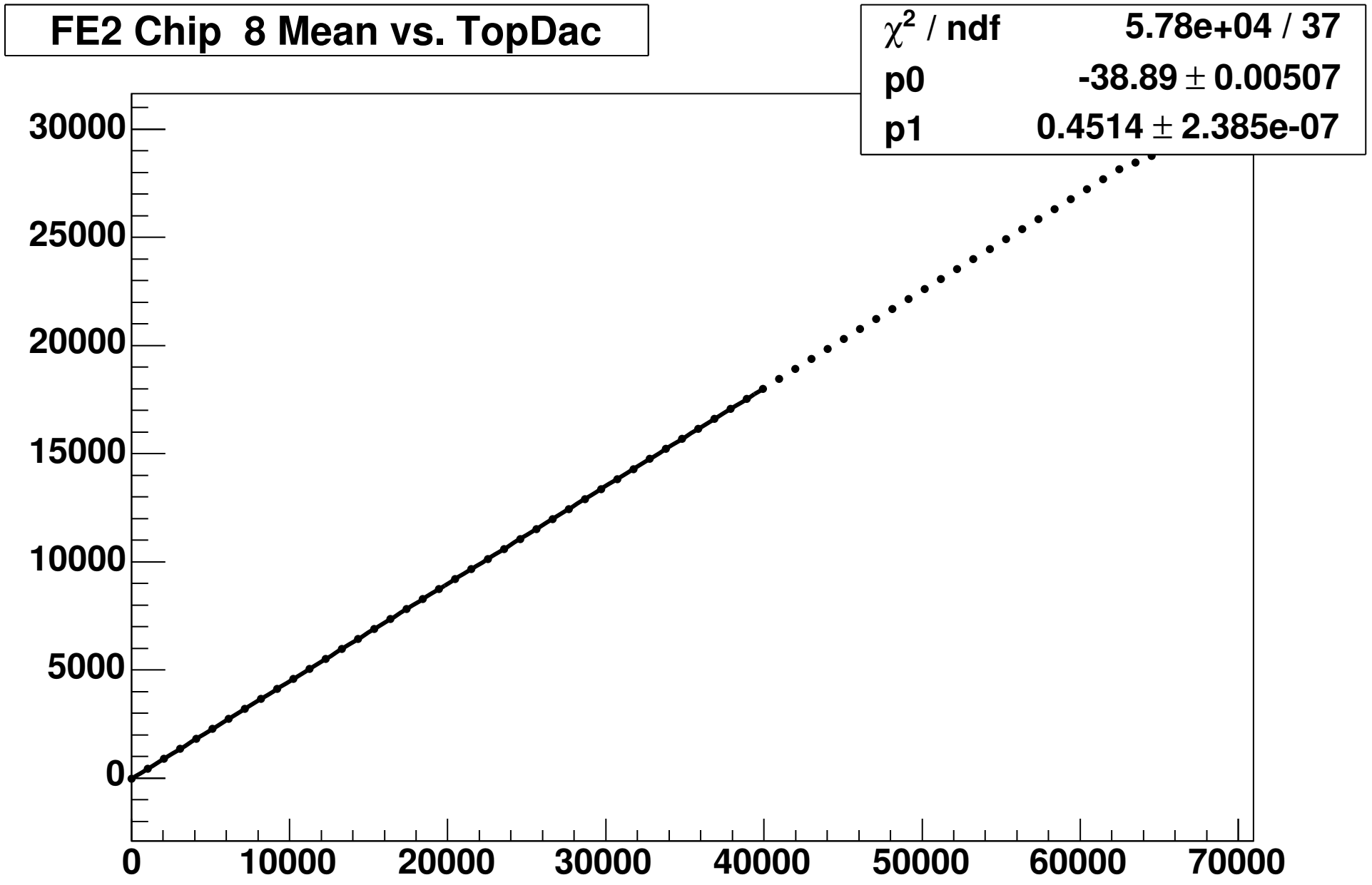
FE2 Chip 8 Mean vs. TopDac
χ² / ndf 5.78e+04 / 37
p0 -38.89 ± 0.00507
p1 0.4514 ± 2.385e-07
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5000
0
0
10000
20000
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60000
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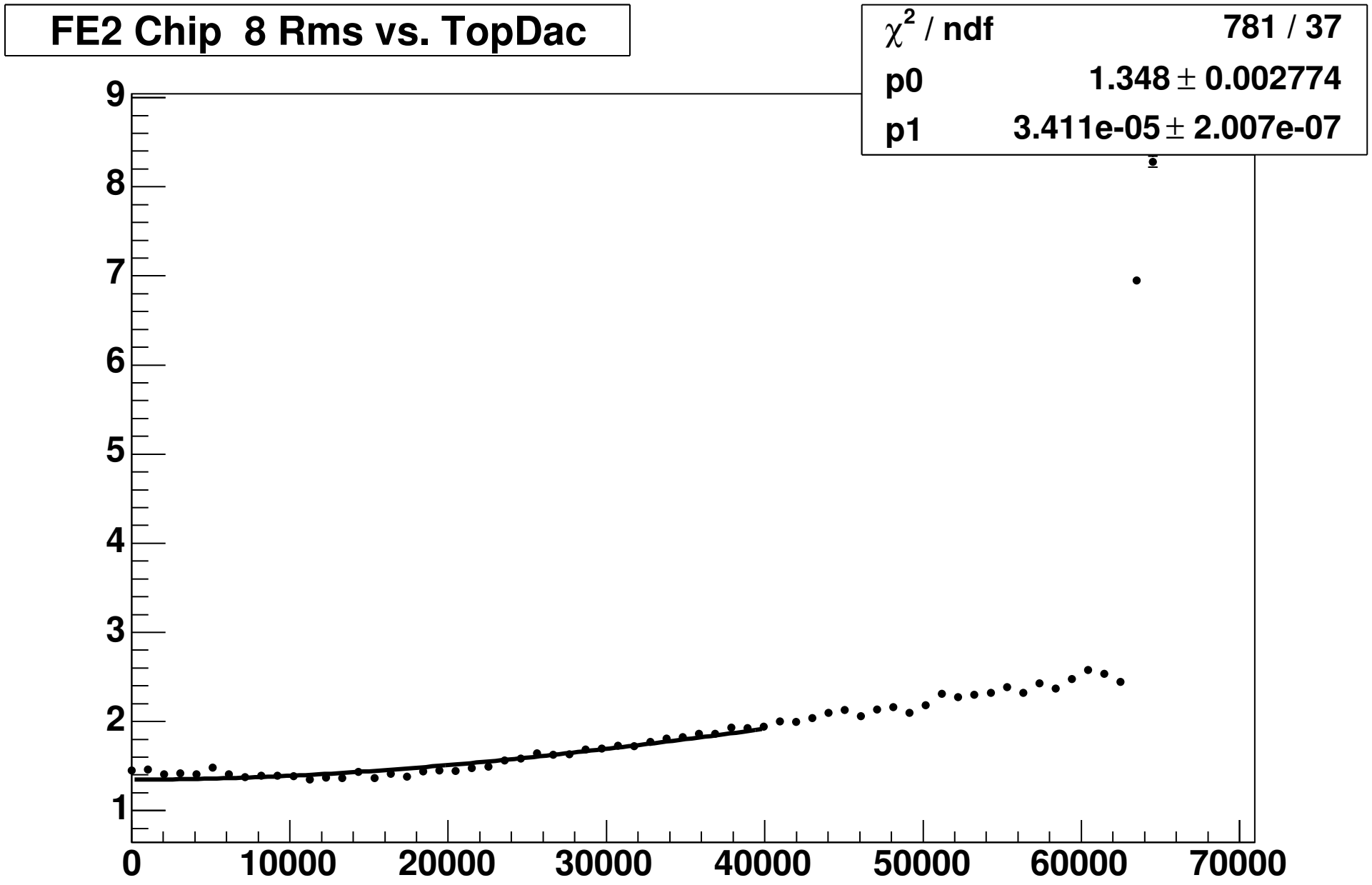
FE2 Chip 8 Rms vs. TopDac
χ² / ndf 781 / 37
p0 1.348 ± 0.002774
p1 3.411e-05 ± 2.007e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
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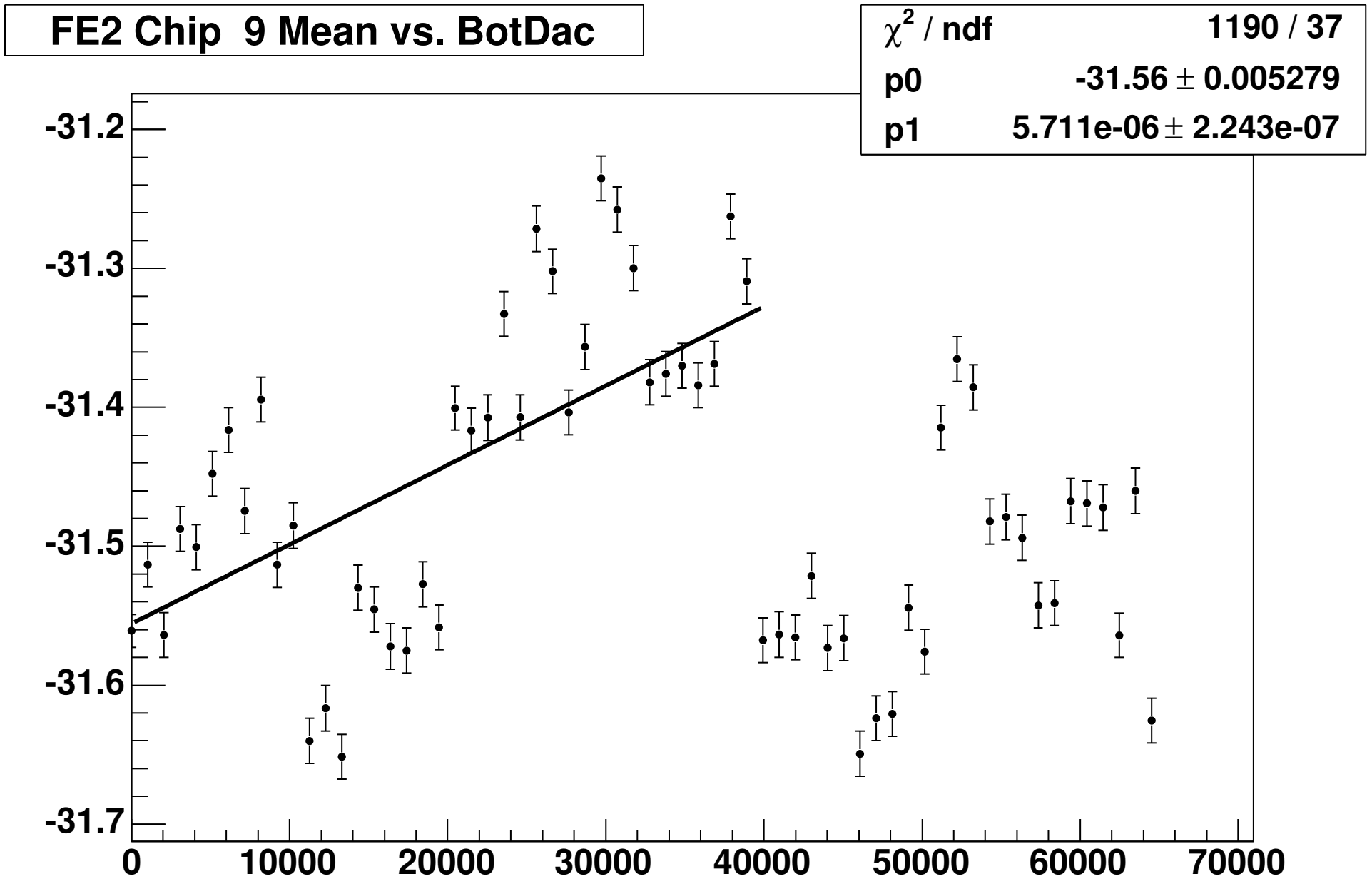
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 1190 / 37
p0 -31.56 ± 0.005279
p1 5.711e-06 ± 2.243e-07
-31.2
-31.3
-31.4
-31.5
-31.6
-31.7
0
10000
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30000
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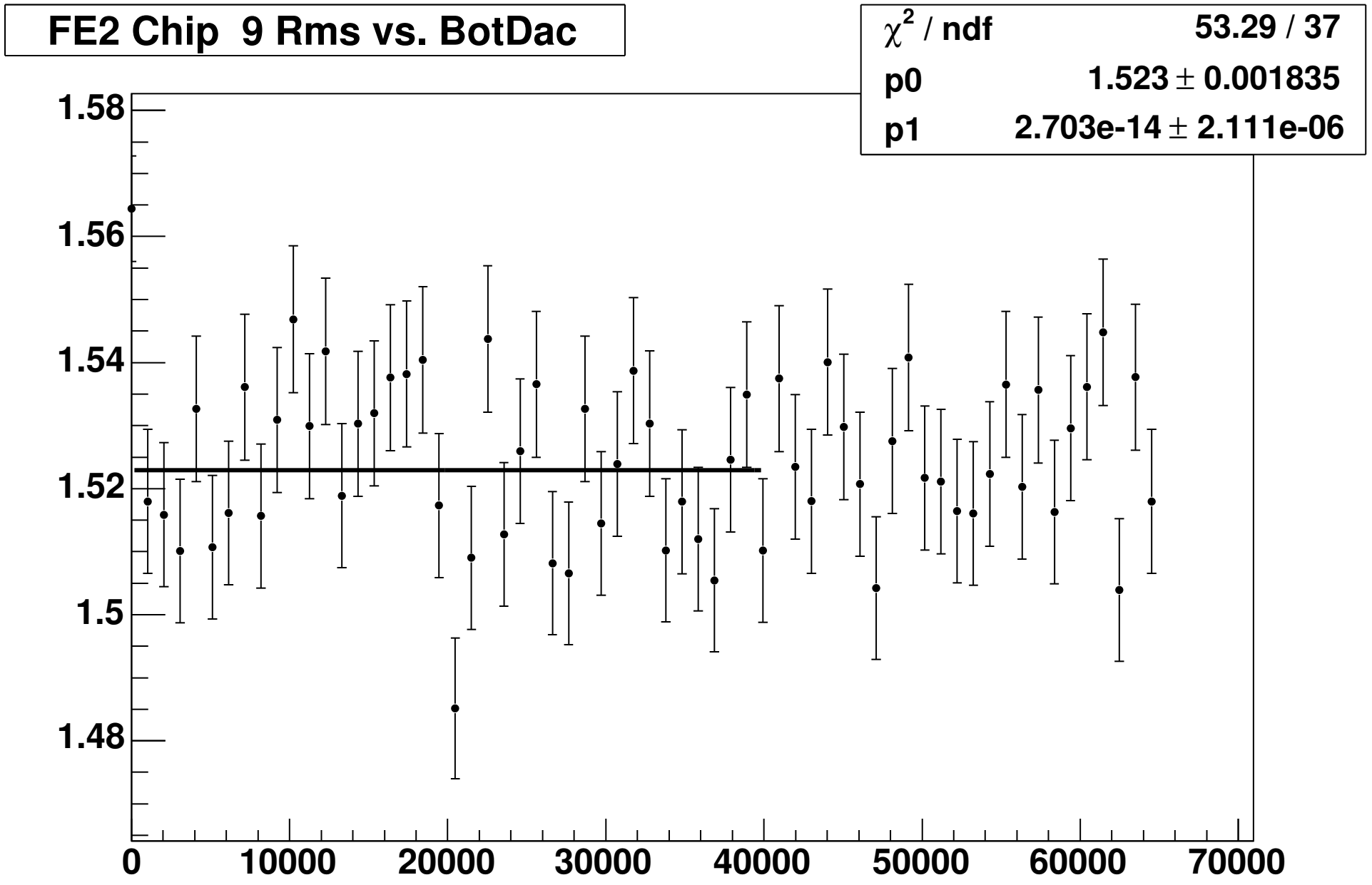
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 53.29 / 37
p0 1.523 ± 0.001835
p1 2.703e-14 ± 2.111e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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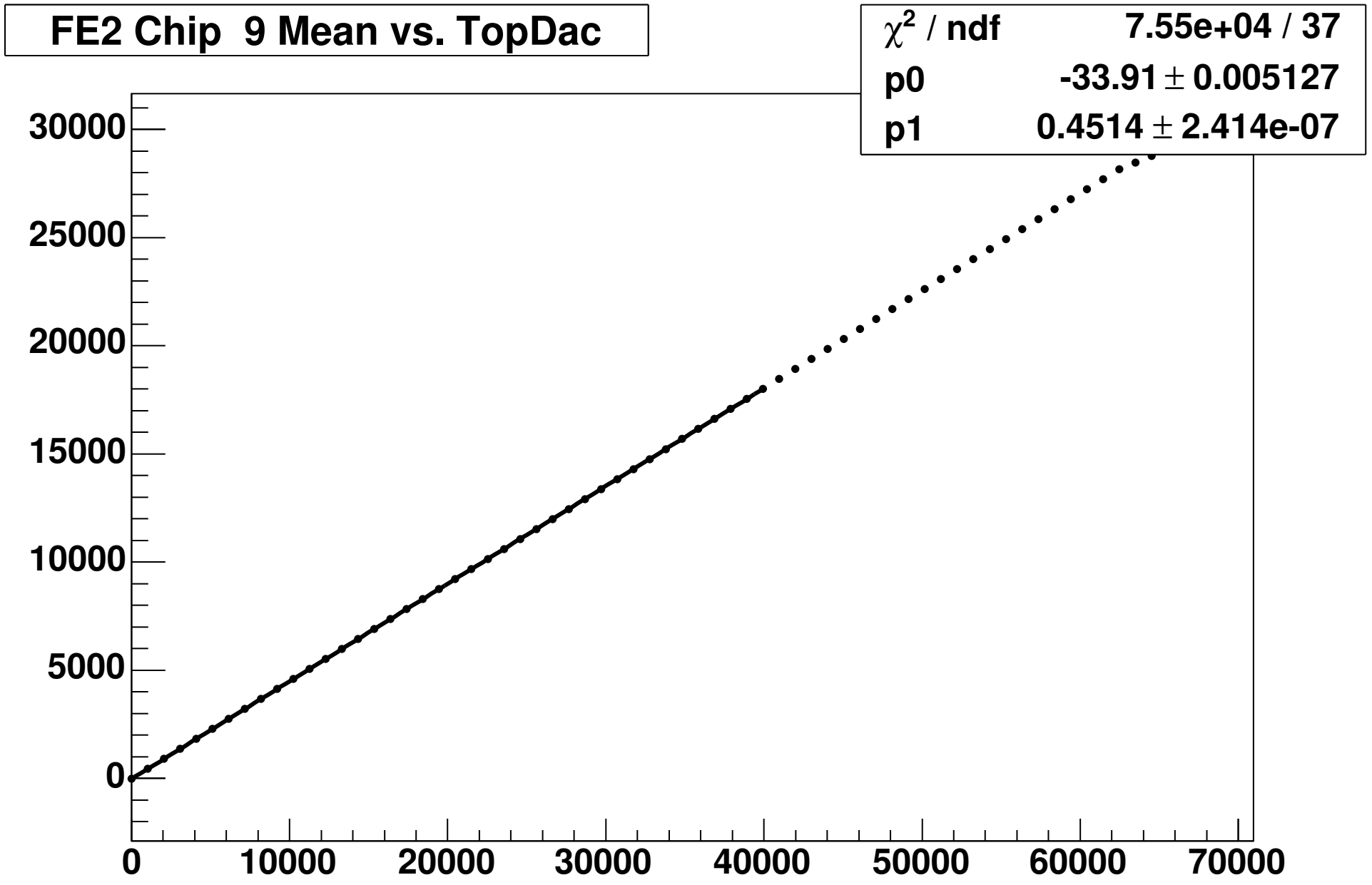
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 7.55e+04 / 37
p0 -33.91 ± 0.005127
p1 0.4514 ± 2.414e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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50000
60000
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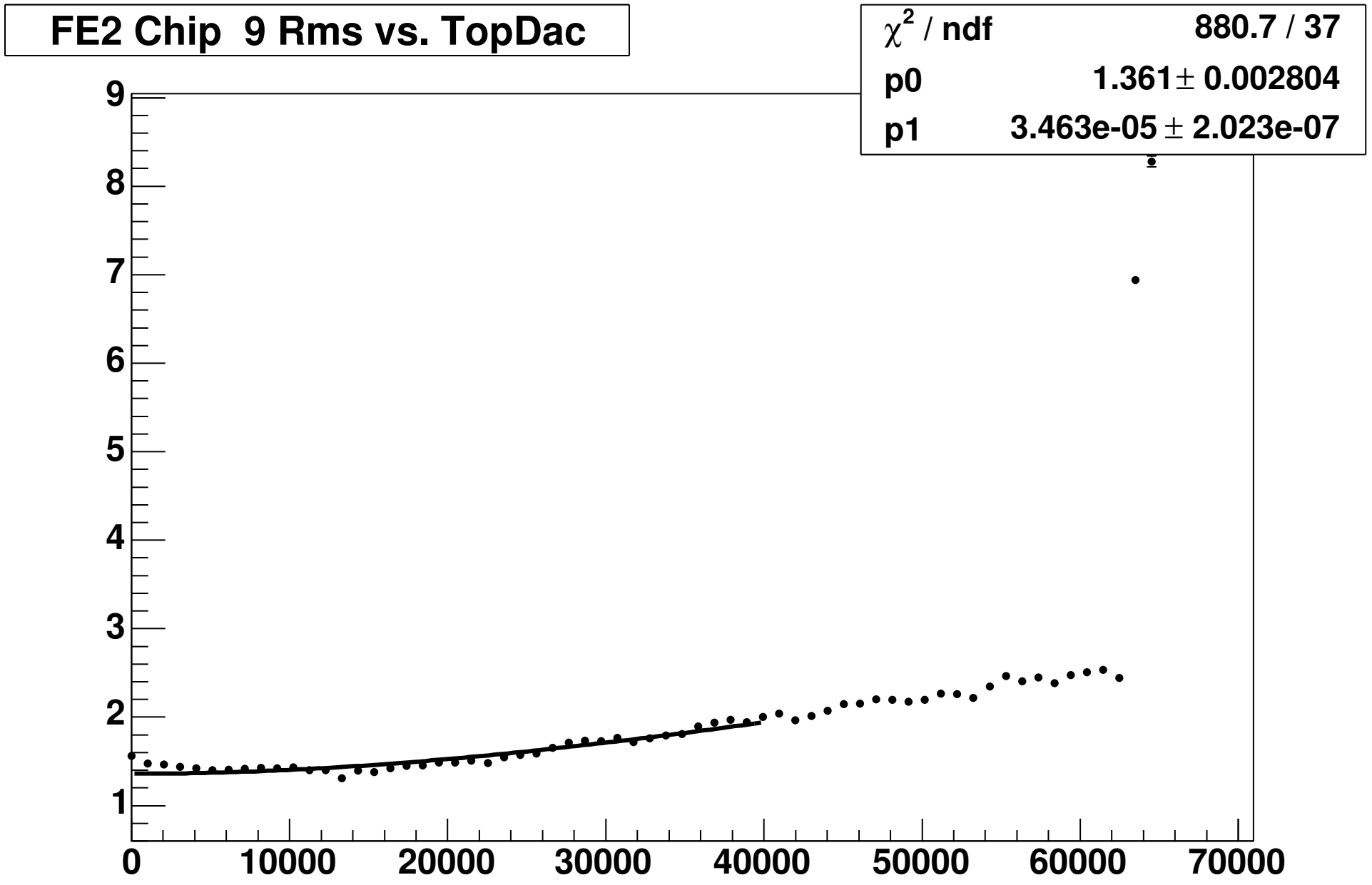
FE2 Chip 9 Rms vs. TopDac
χ² / ndf 880.7 / 37
p0 1.361 ± 0.002804
p1 3.463e-05 ± 2.023e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
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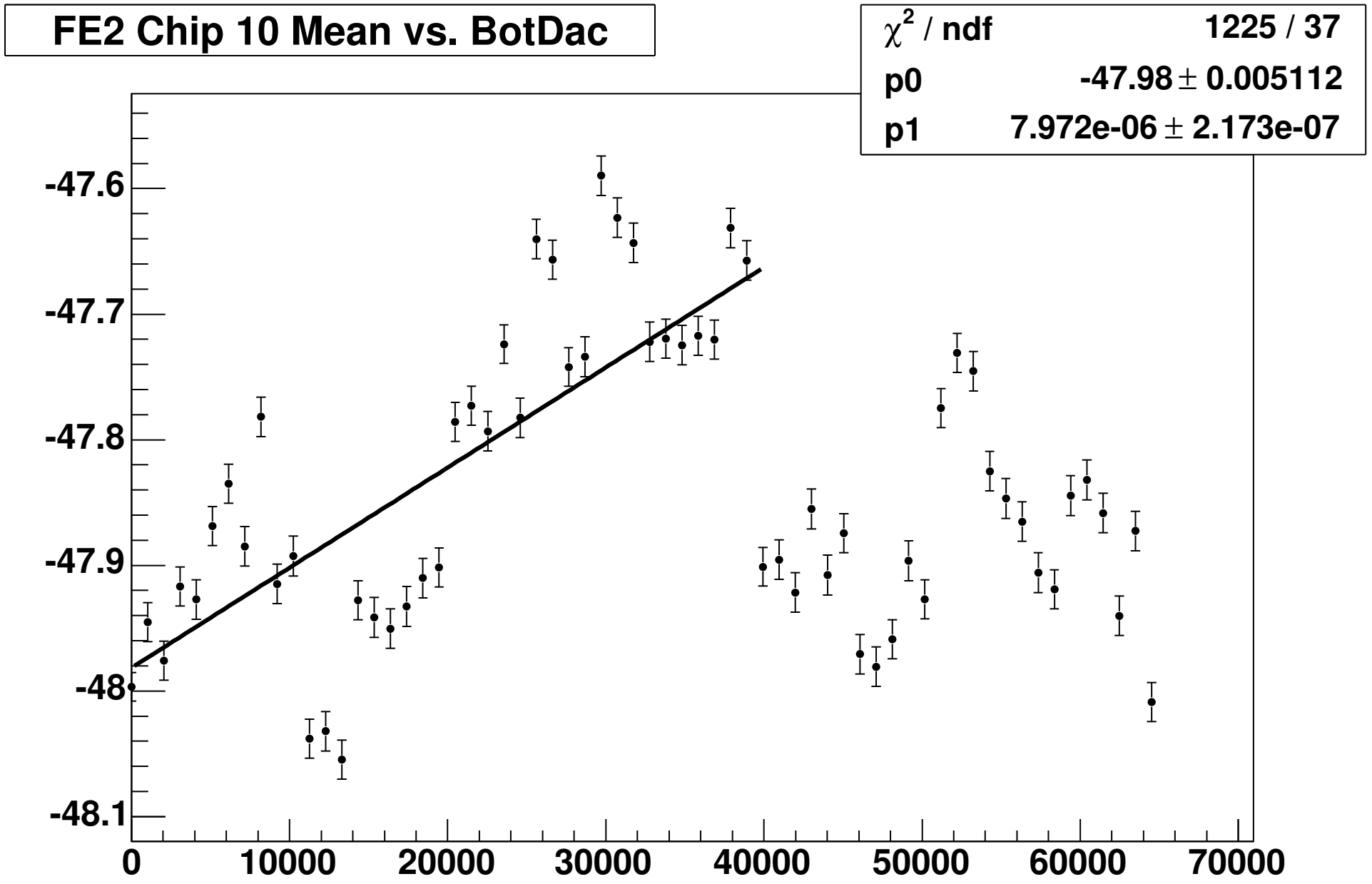
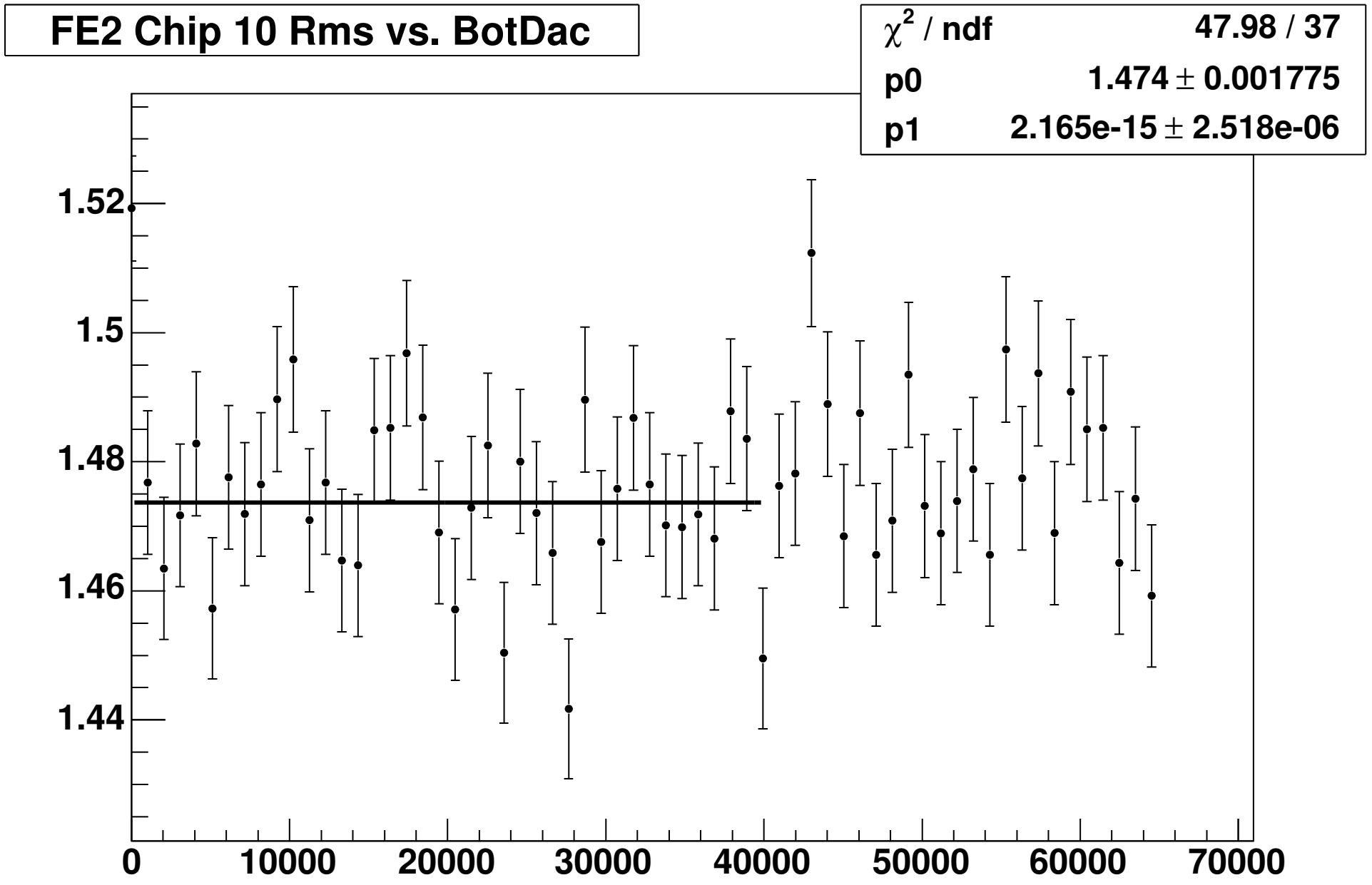
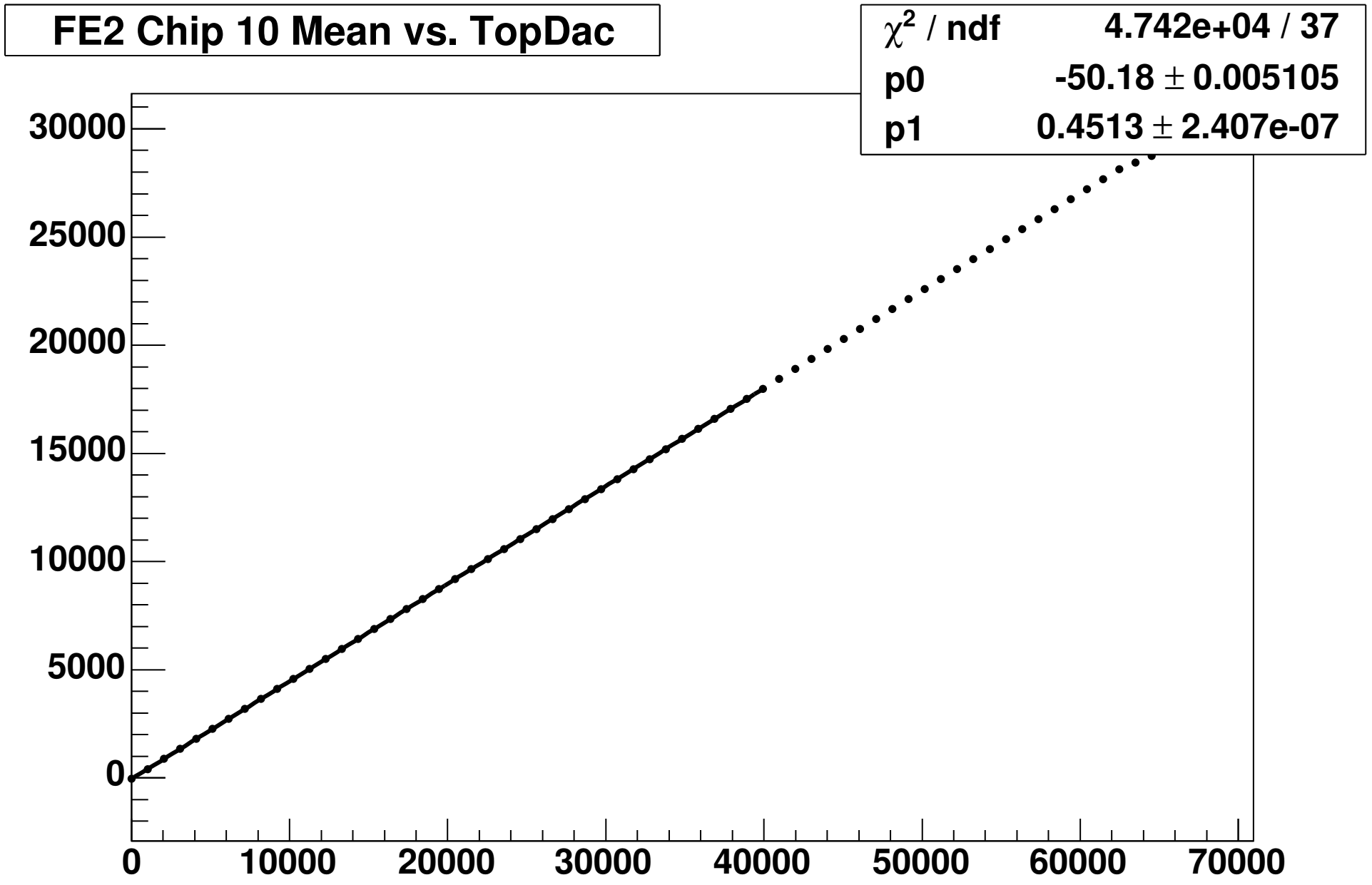

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 1225 / 37
p0 -47.98 ± 0.005112
p1 7.972e-06 ± 2.173e-07
-47.6
-47.7
-47.8
-47.9
-48
-48.1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 47.98 / 37
p0 1.474 ± 0.001775
p1 2.165e-15 ± 2.518e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 4.742e+04 / 37
p0 -50.18 ± 0.005105
p1 0.4513 ± 2.407e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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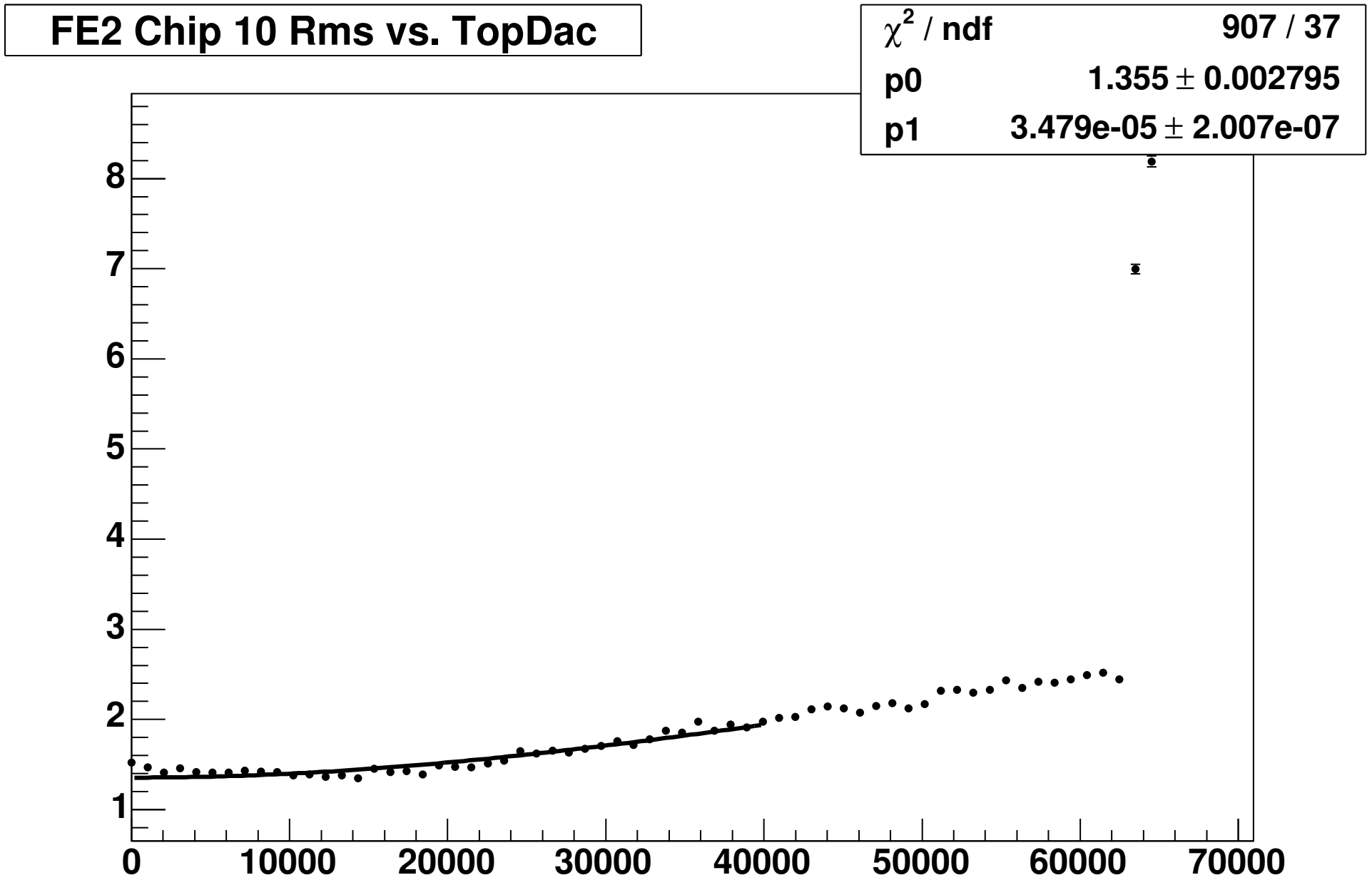
FE2 Chip 10 Rms vs. TopDac
χ² / ndf 907 / 37
p0 1.355 ± 0.002795
p1 3.479e-05 ± 2.007e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
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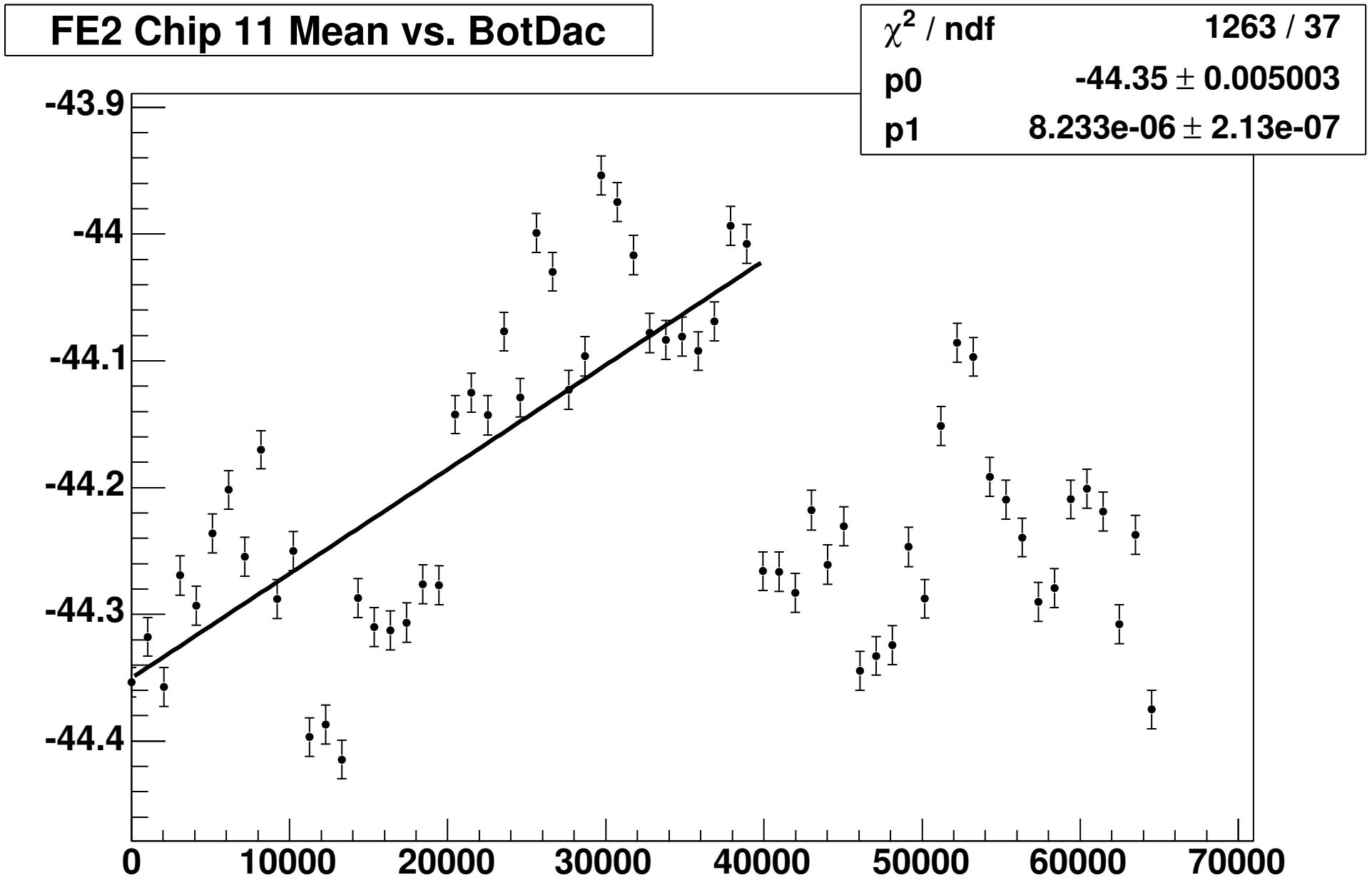
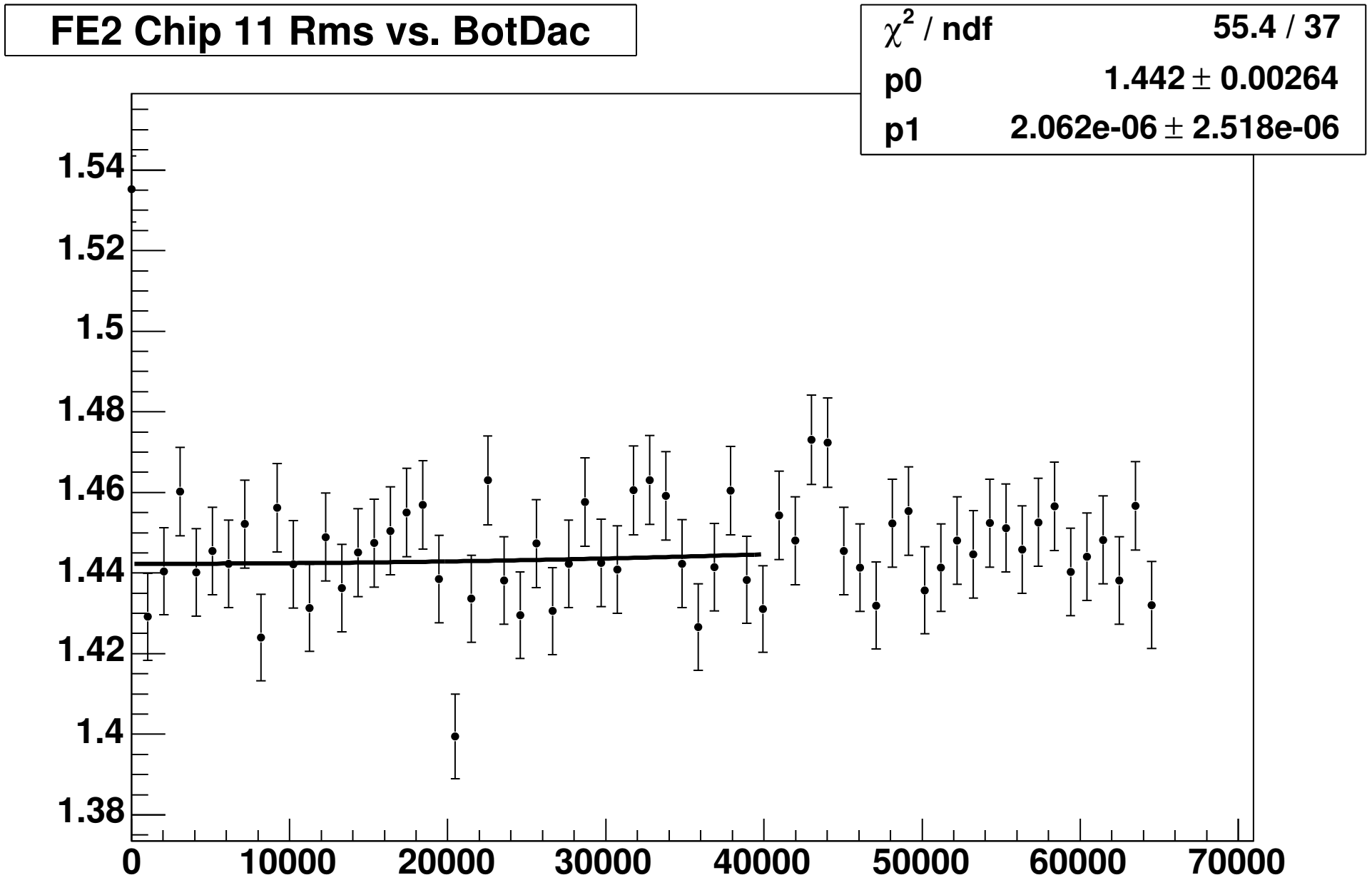

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 1263 / 37
p0 -44.35 ± 0.005003
p1 8.233e-06 ± 2.13e-07
-43.9
-44
-44.1
-44.2
-44.3
-44.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 55.4 / 37
p0 1.442 ± 0.00264
p1 2.062e-06 ± 2.518e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
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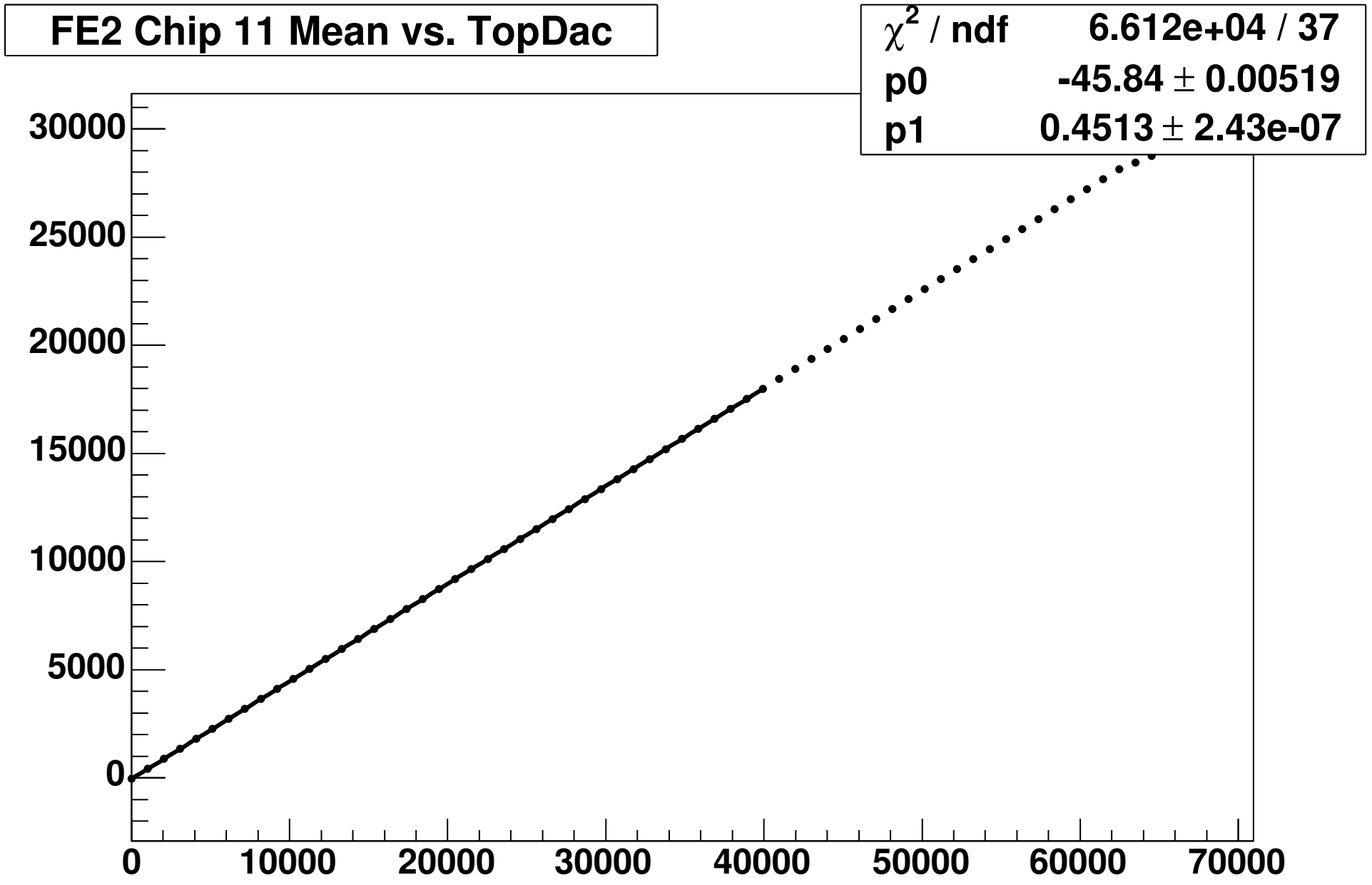
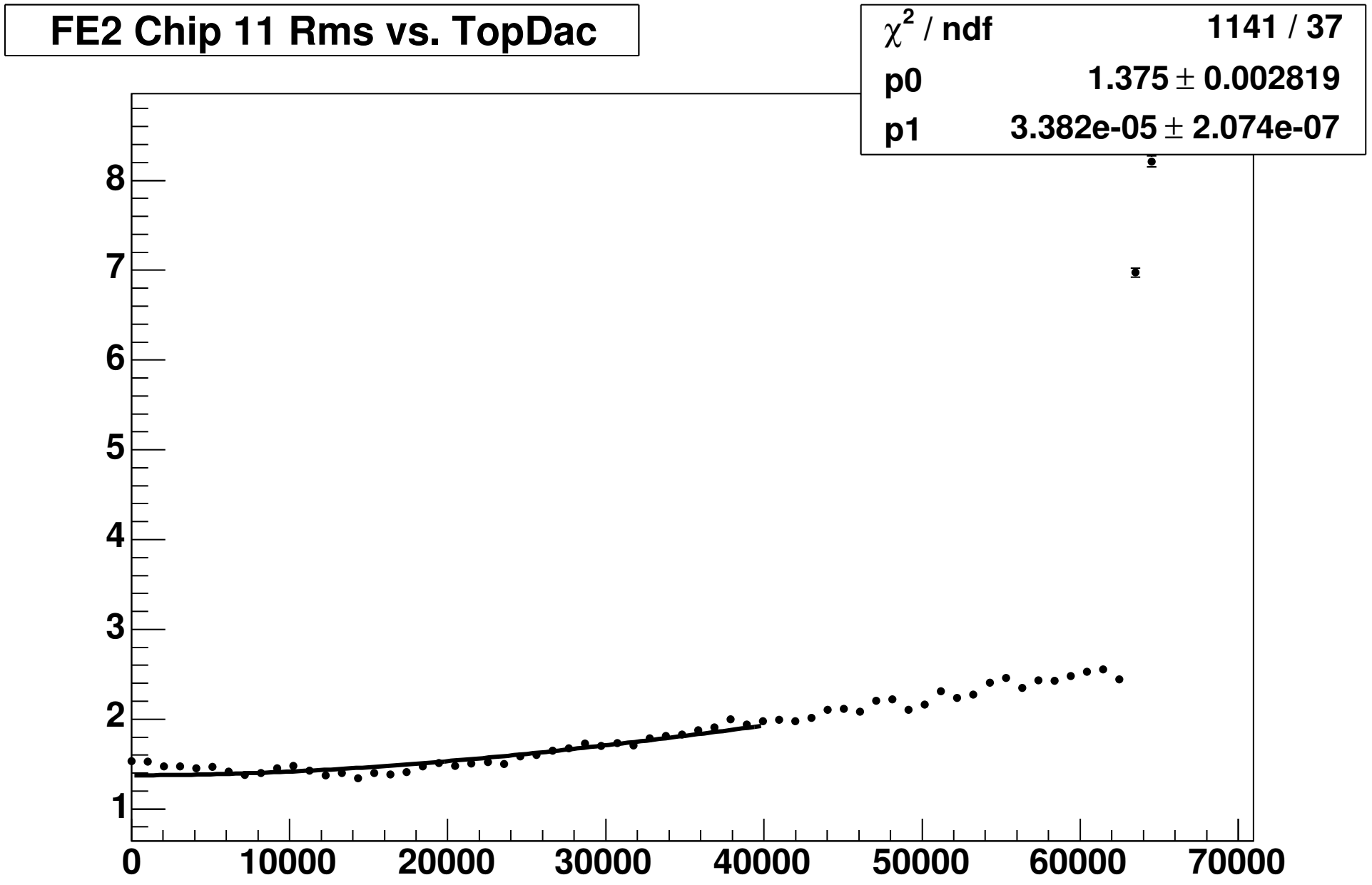
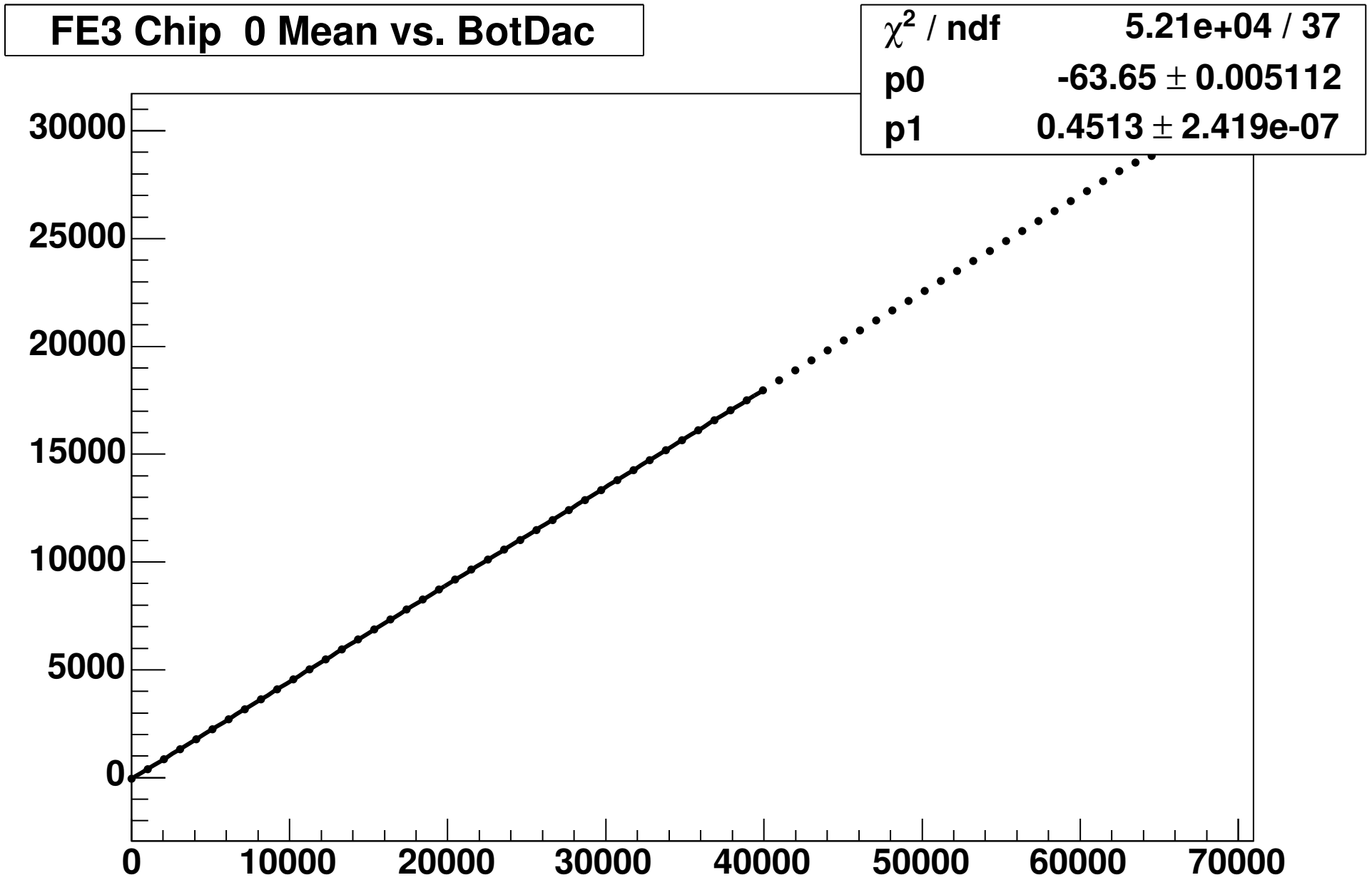
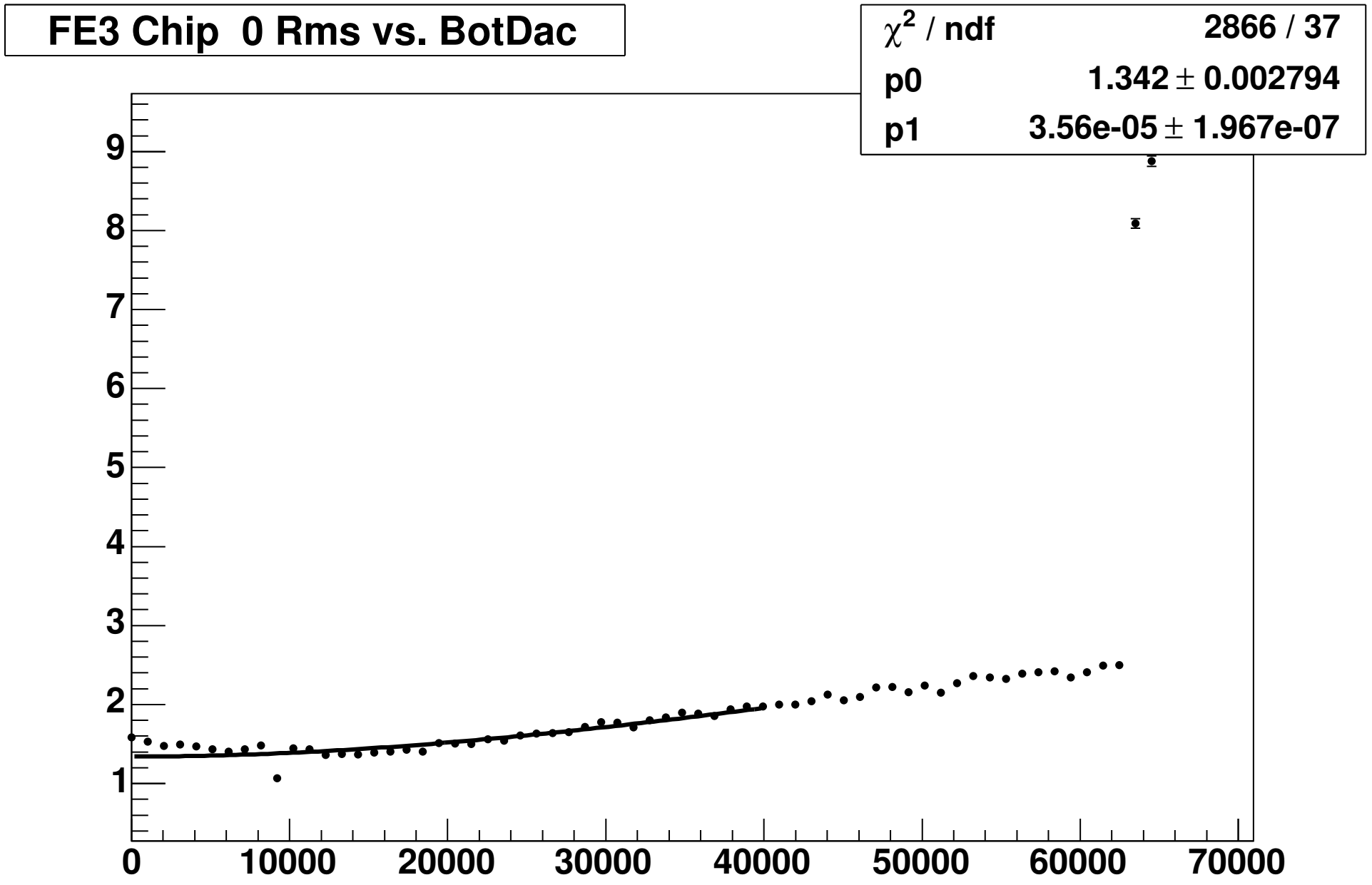
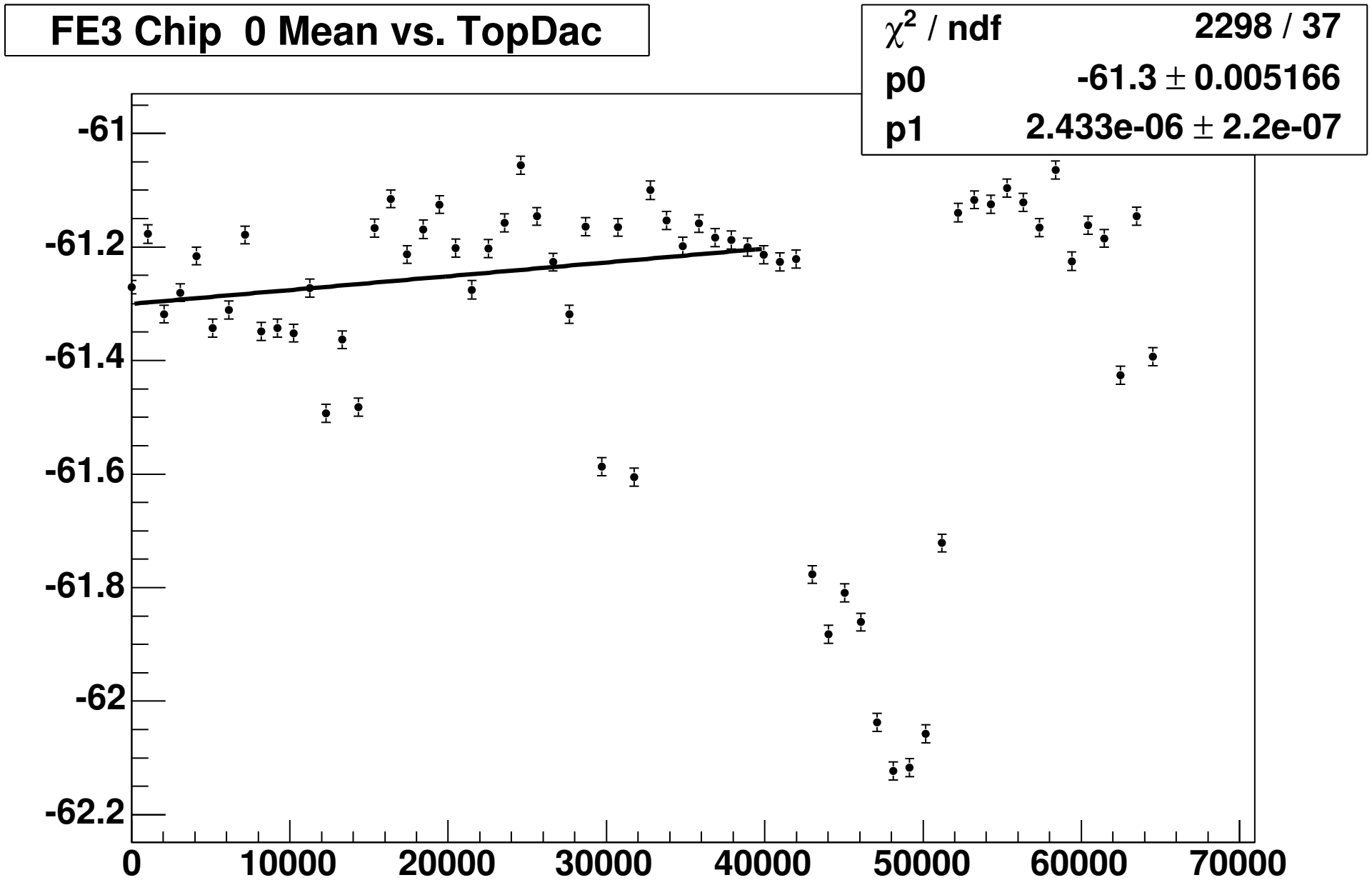
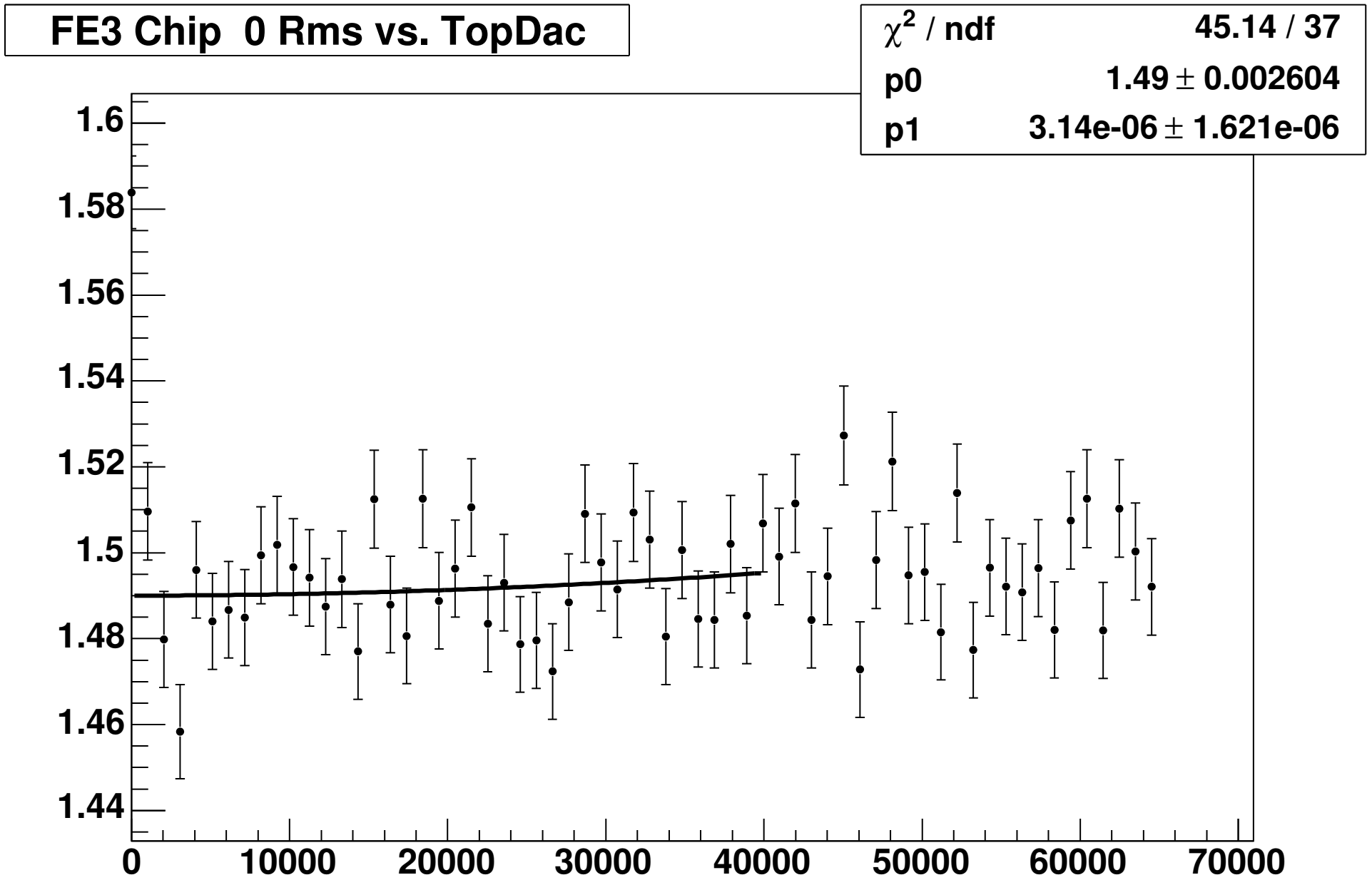

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 6.612e+04 / 37
p0 -45.84 ± 0.00519
p1 0.4513 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

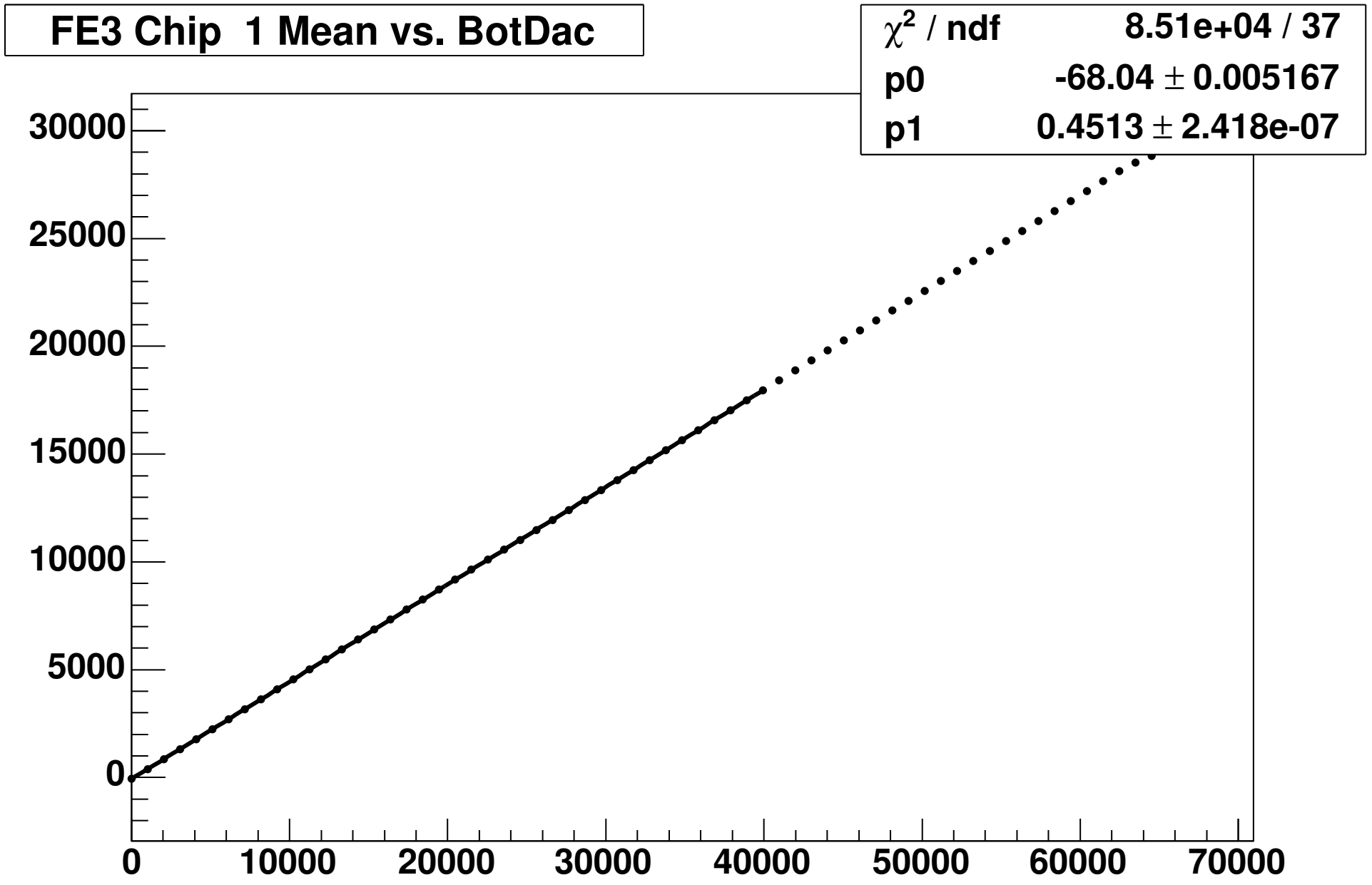

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1141 / 37
p0 1.375 ± 0.002819
p1 3.382e-05 ± 2.074e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 5.21e+04 / 37
p0 -63.65 ± 0.005112
p1 0.4513 ± 2.419e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 2866 / 37
p0 1.342 ± 0.002794
p1 3.56e-05 ± 1.967e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 2298 / 37
p0 -61.3 ± 0.005166
p1 2.433e-06 ± 2.2e-07
-61
-61.2
-61.4
-61.6
-61.8
-62
-62.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 45.14 / 37
p0 1.49 ± 0.002604
p1 3.14e-06 ± 1.621e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 8.51e+04 / 37
p0 -68.04 ± 0.005167
p1 0.4513 ± 2.418e-07
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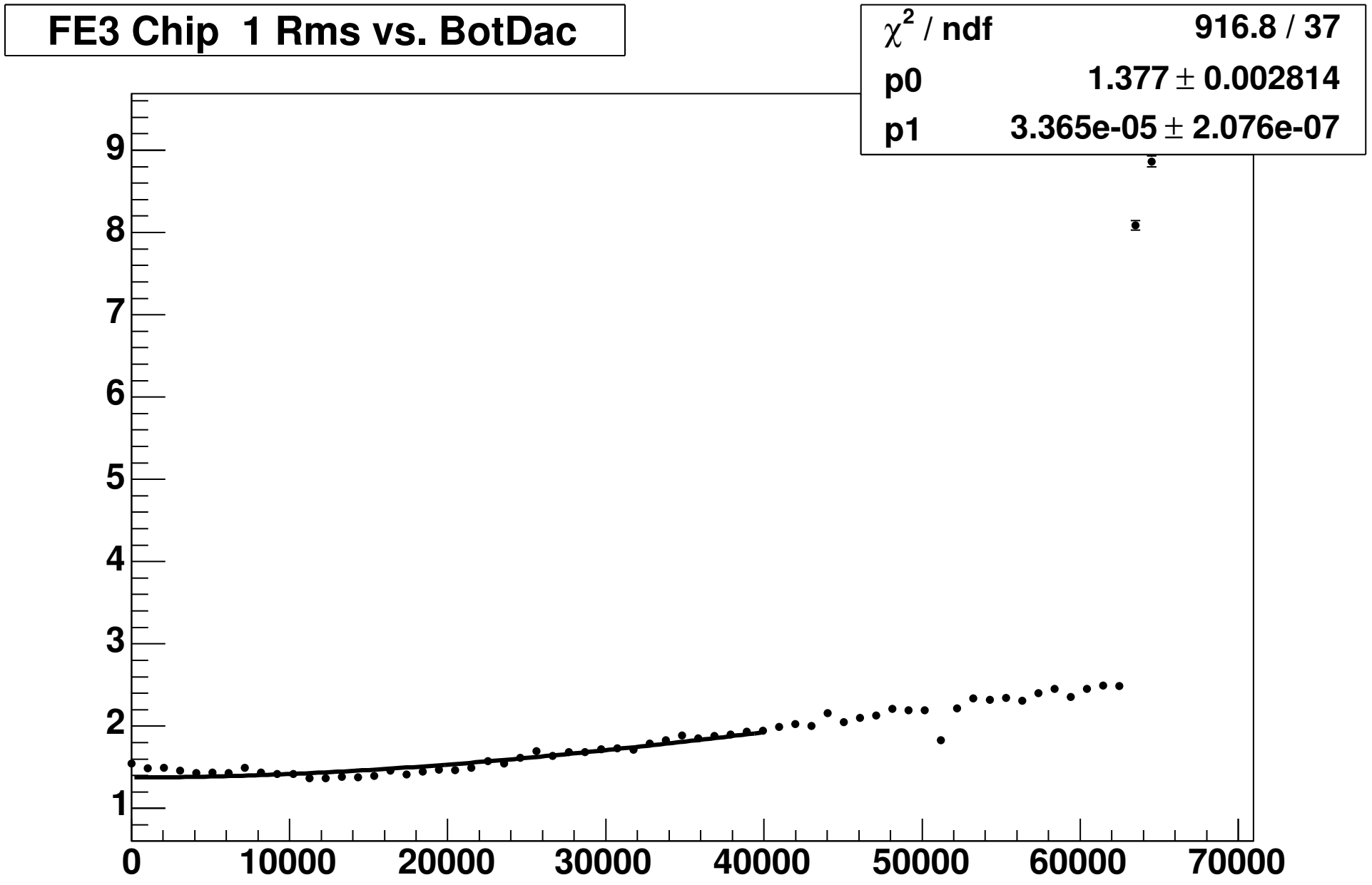
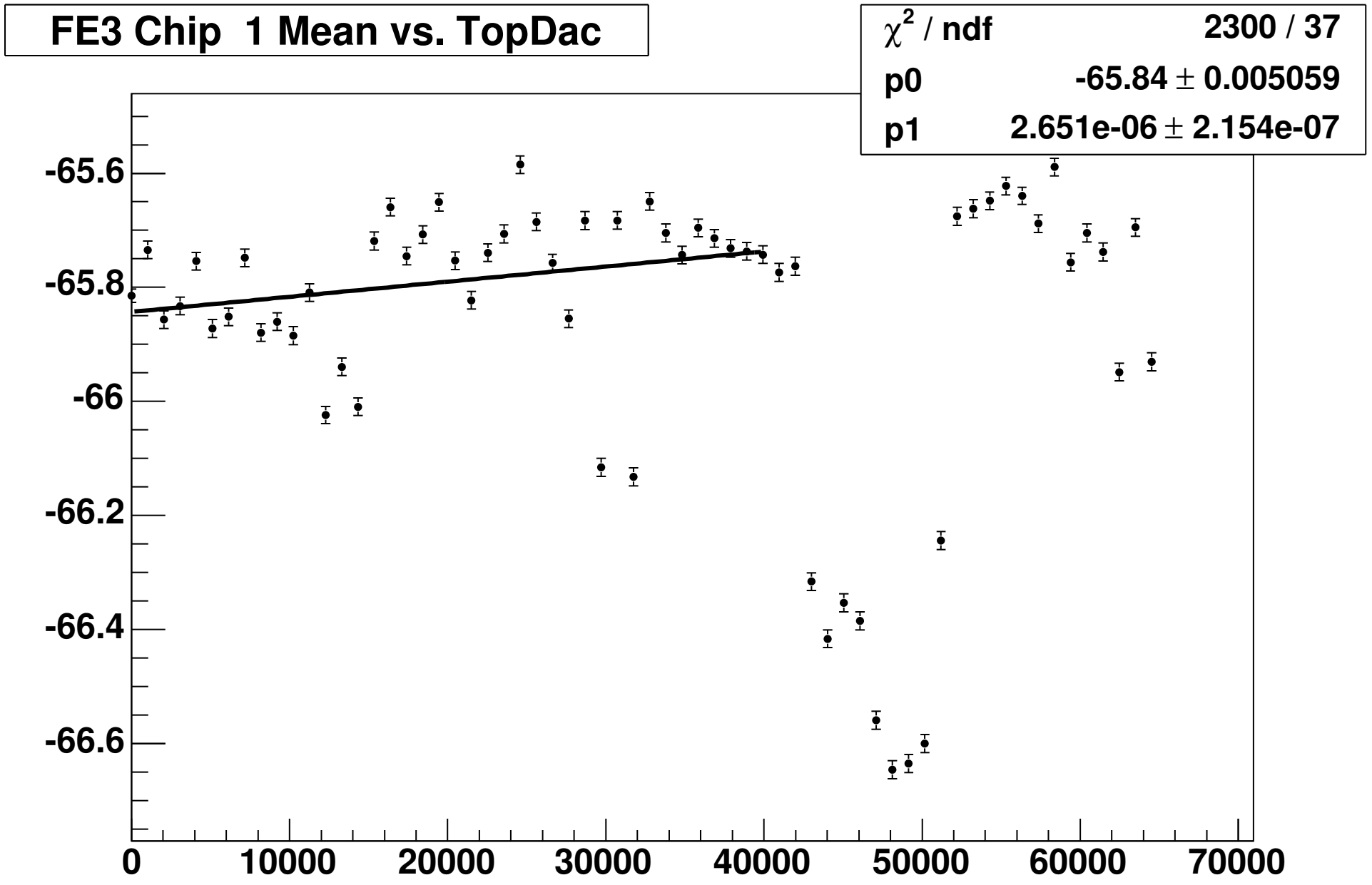
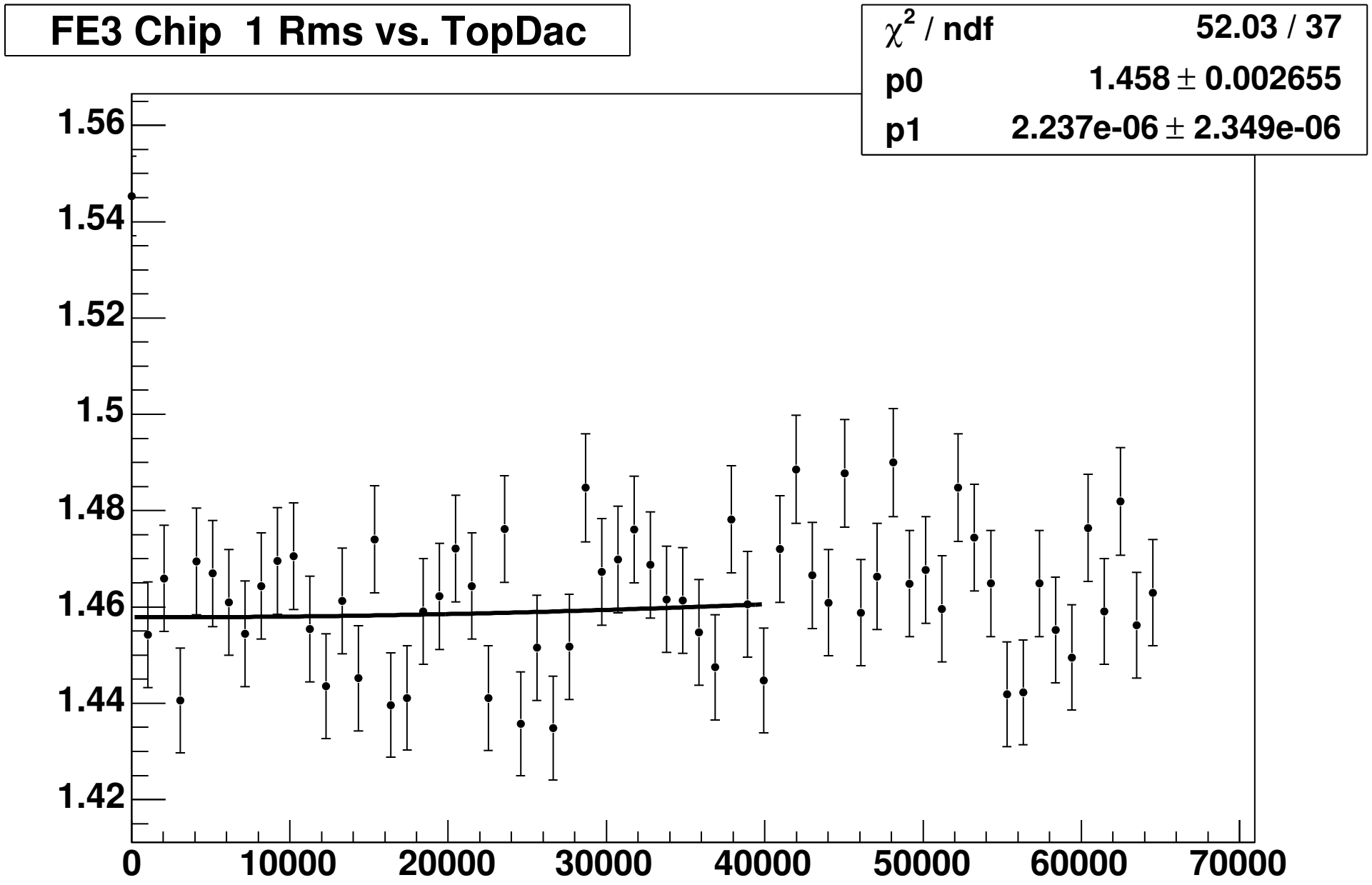
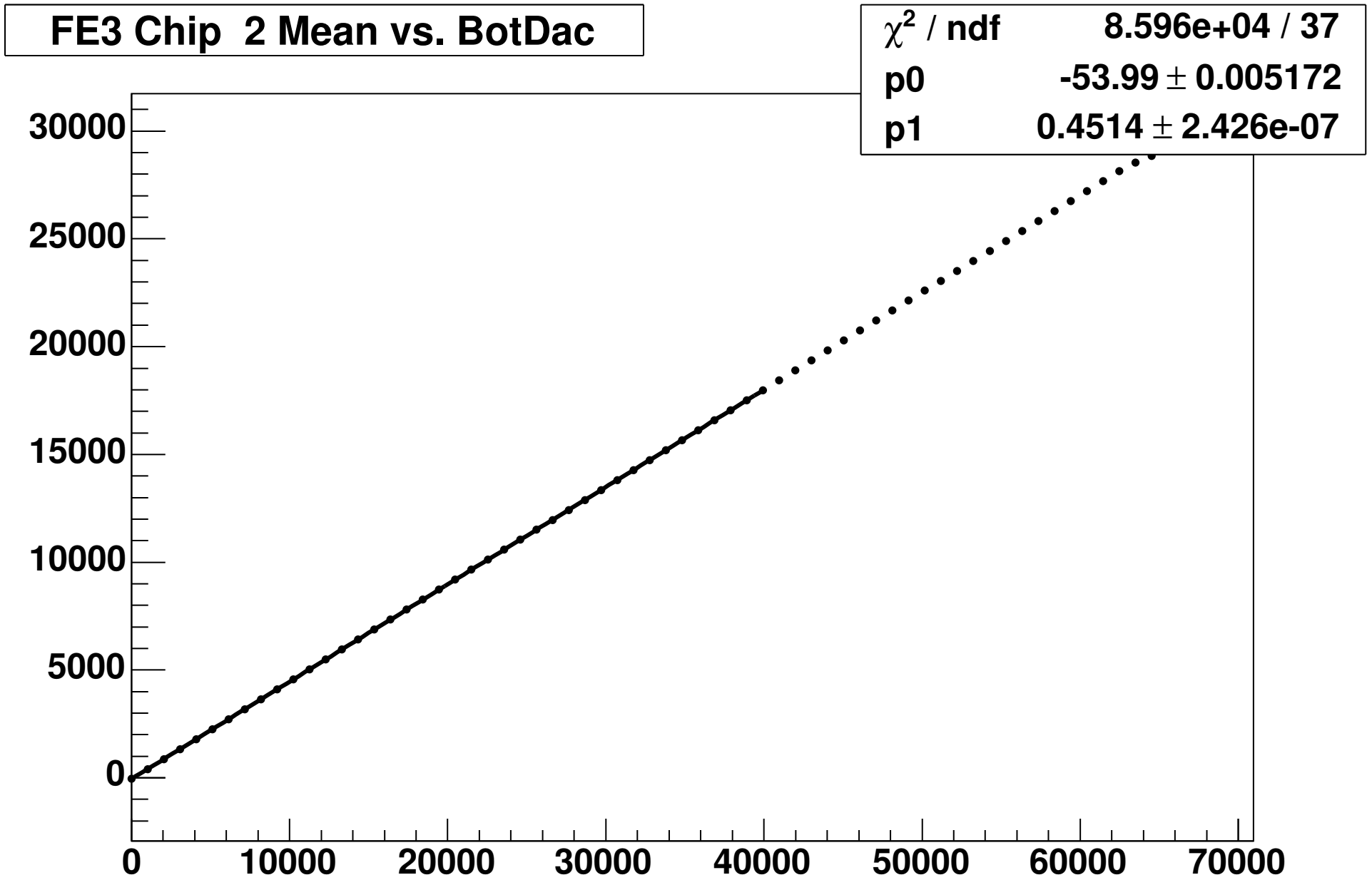
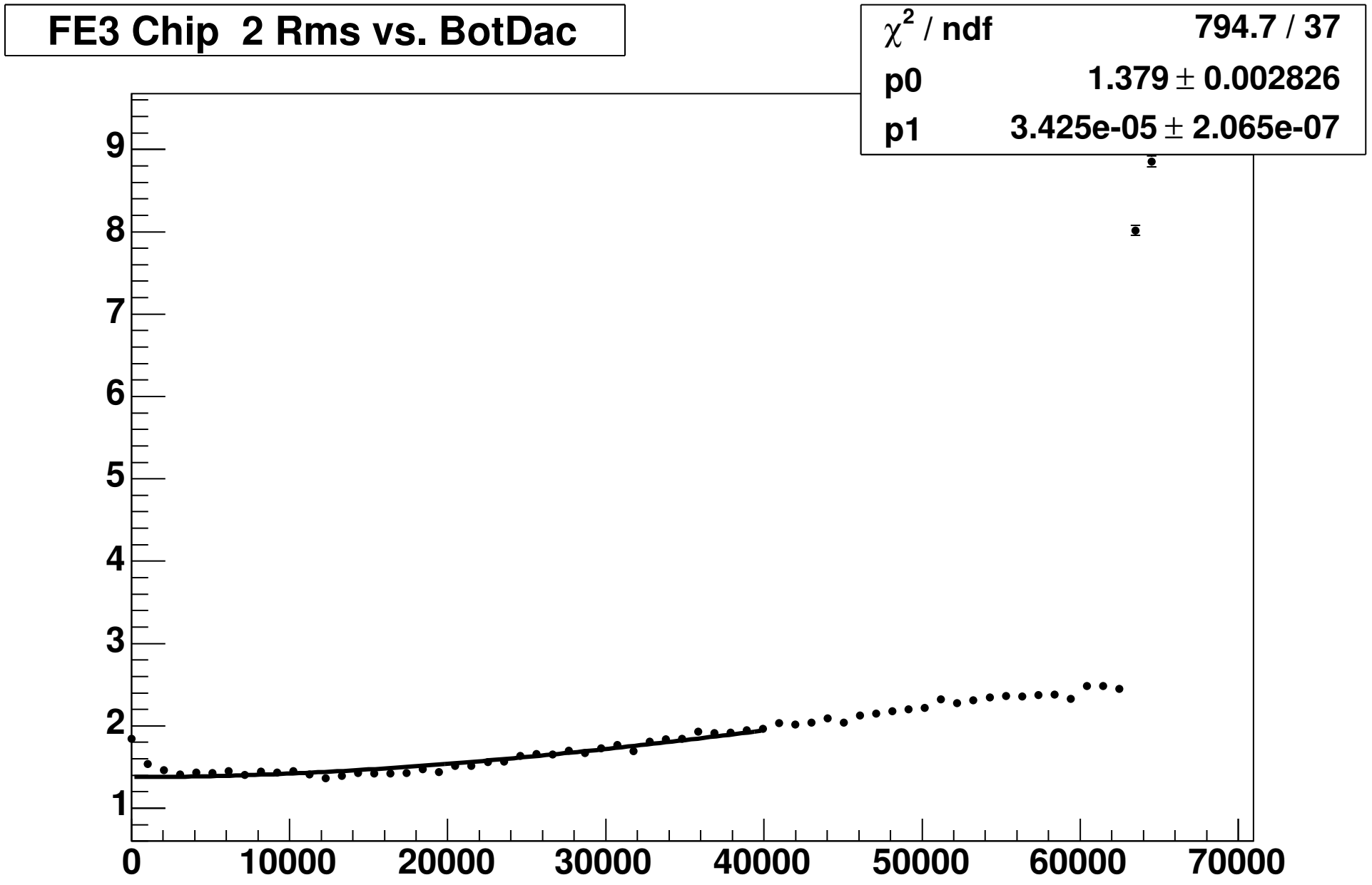
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

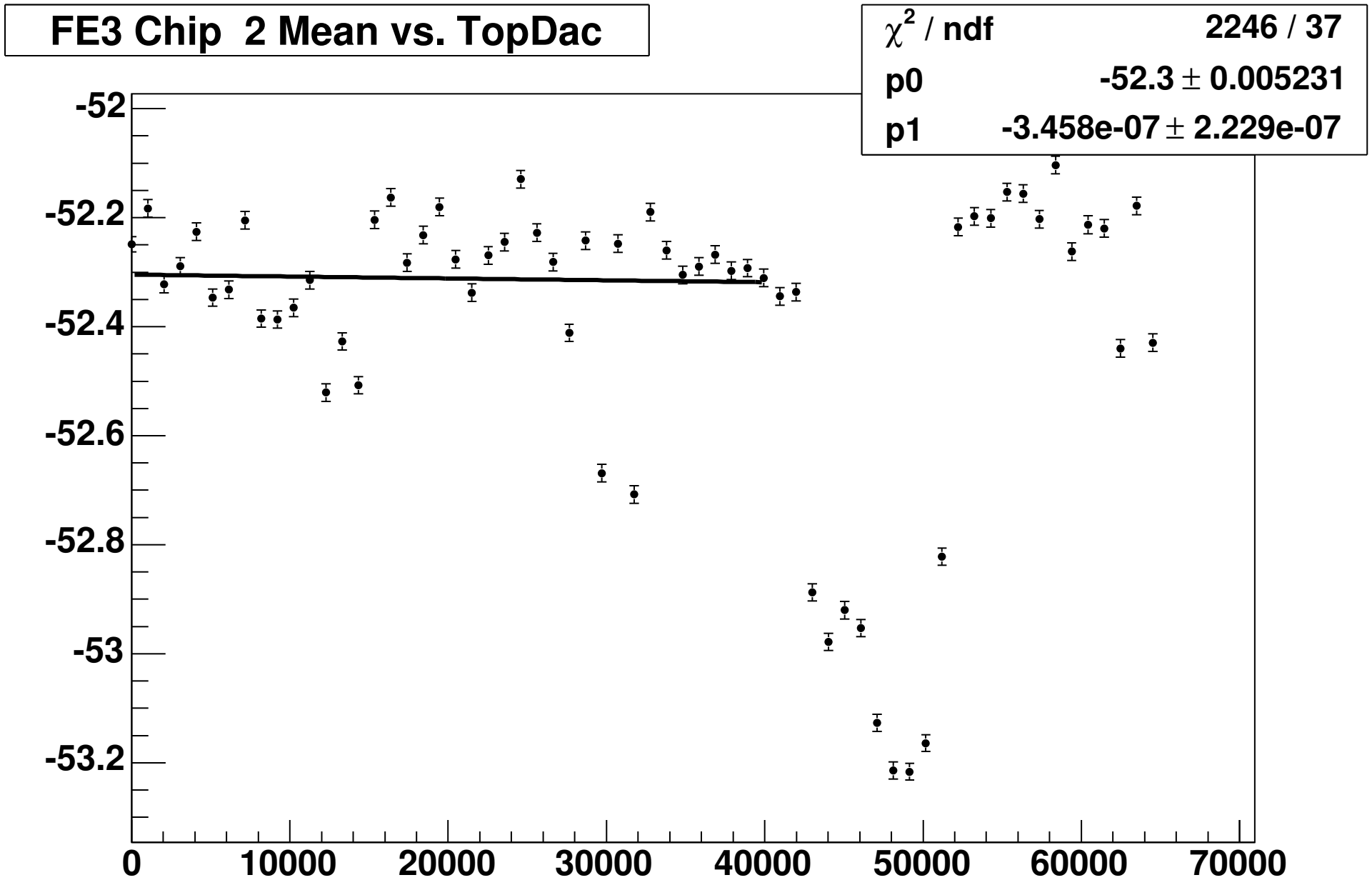

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 916.8 / 37
p0 1.377 ± 0.002814
p1 3.365e-05 ± 2.076e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

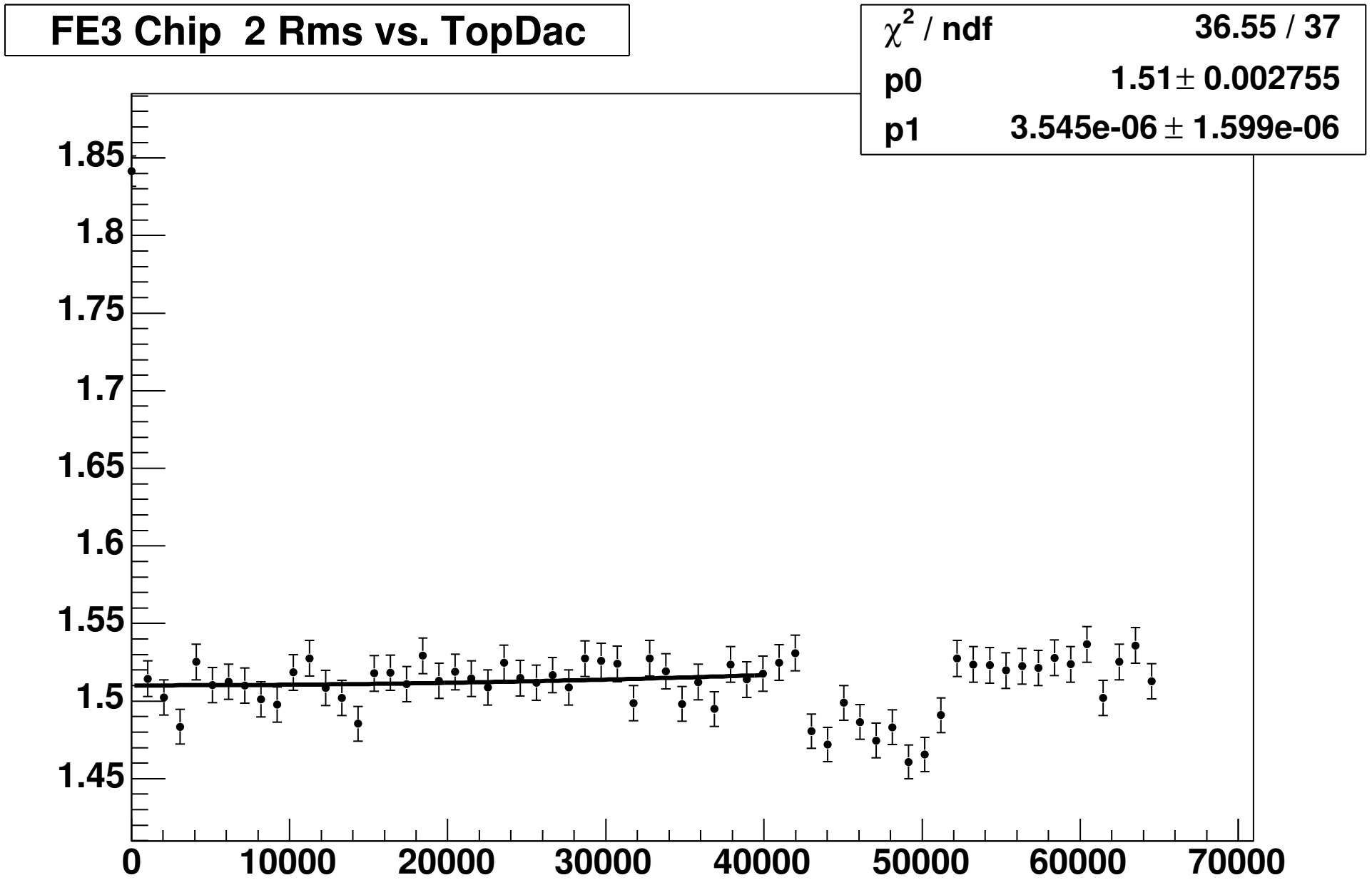

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 2300 / 37
p0 -65.84 ± 0.005059
p1 2.651e-06 ± 2.154e-07
-65.6
-65.8
-66
-66.2
-66.4
-66.6
0
10000
20000
30000
40000
50000
60000
70000

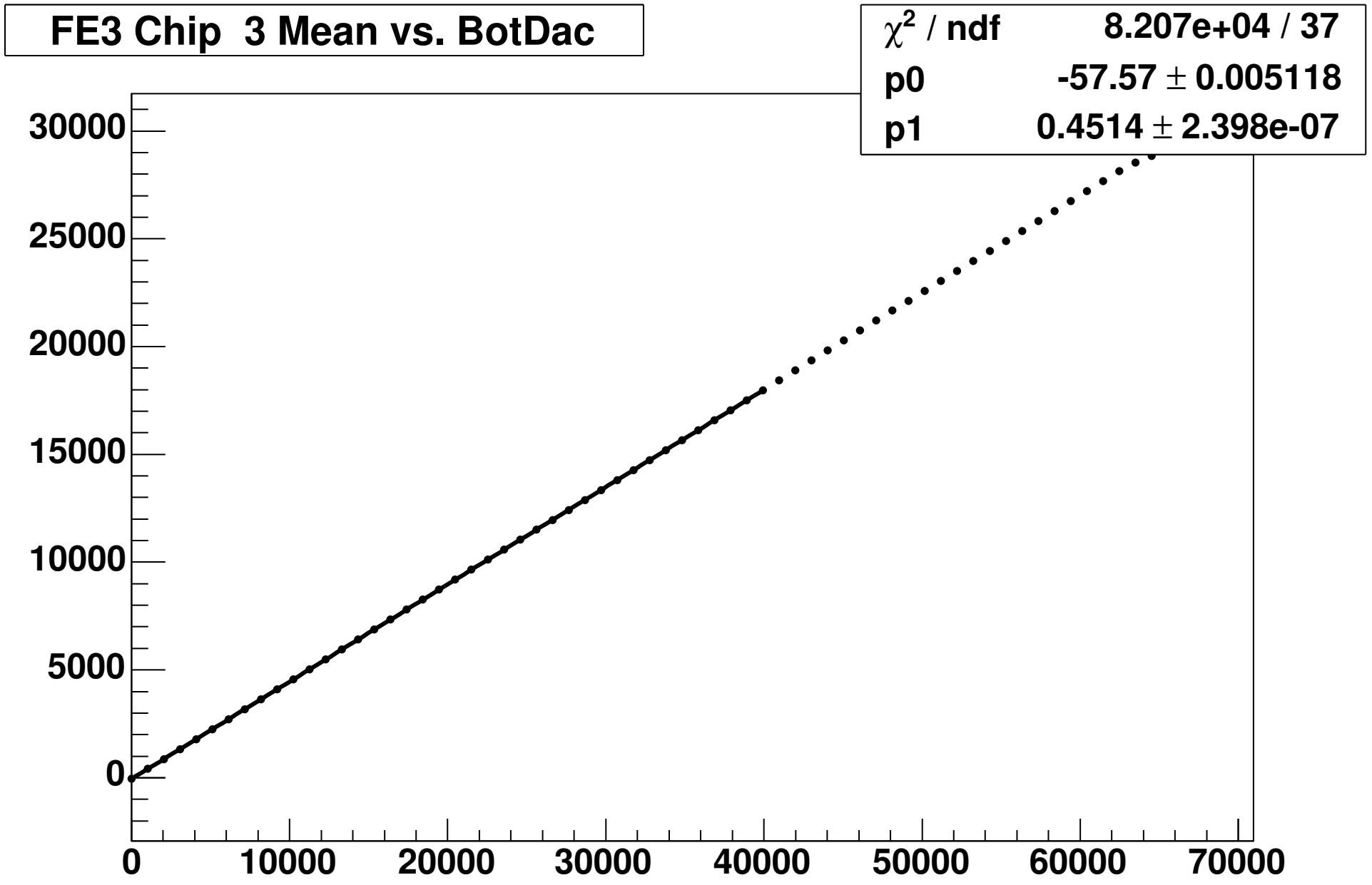

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 52.03 / 37
p0 1.458 ± 0.002655
p1 2.237e-06 ± 2.349e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

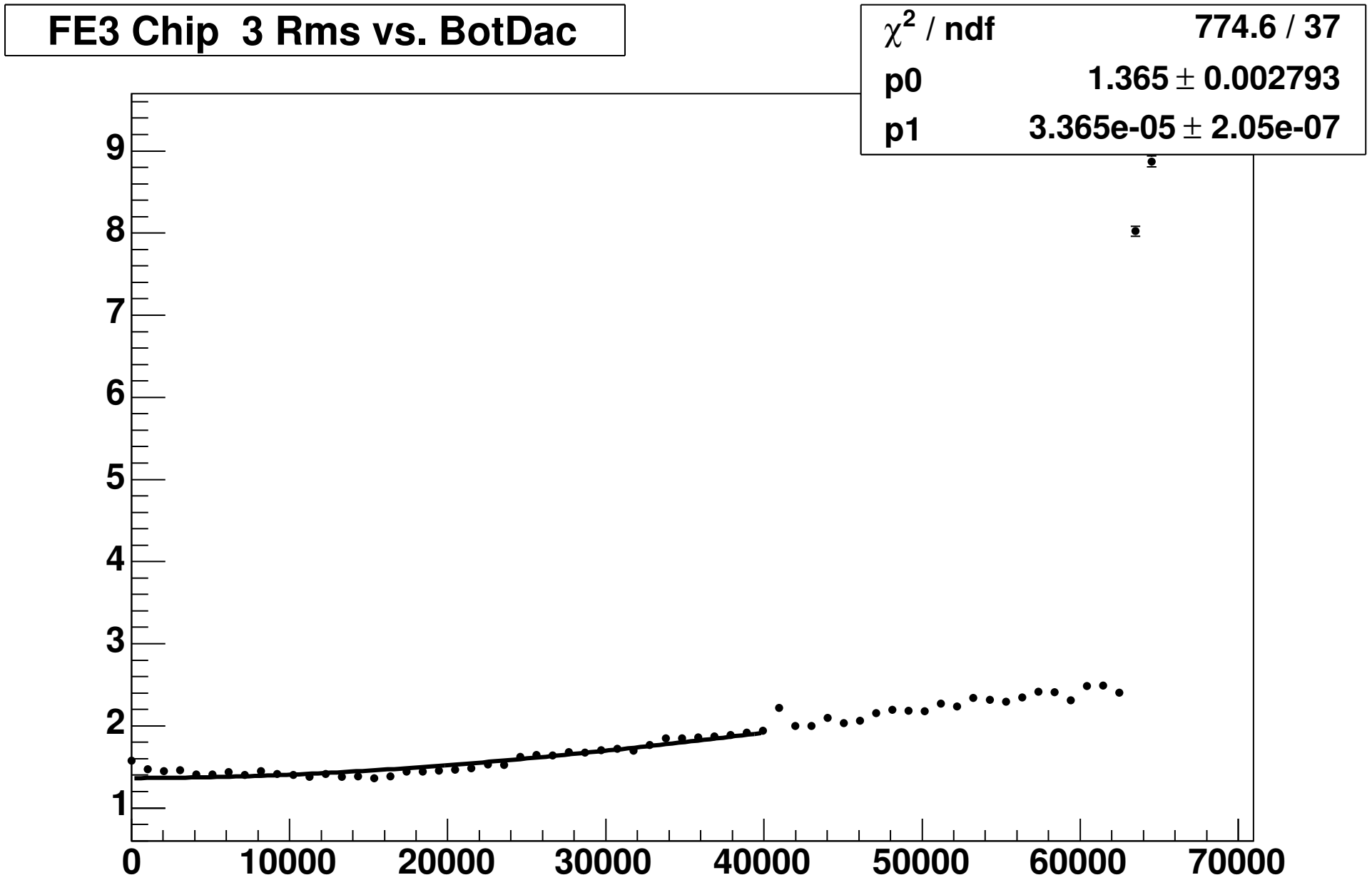

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 8.596e+04 / 37
p0 -53.99 ± 0.005172
p1 0.4514 ± 2.426e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

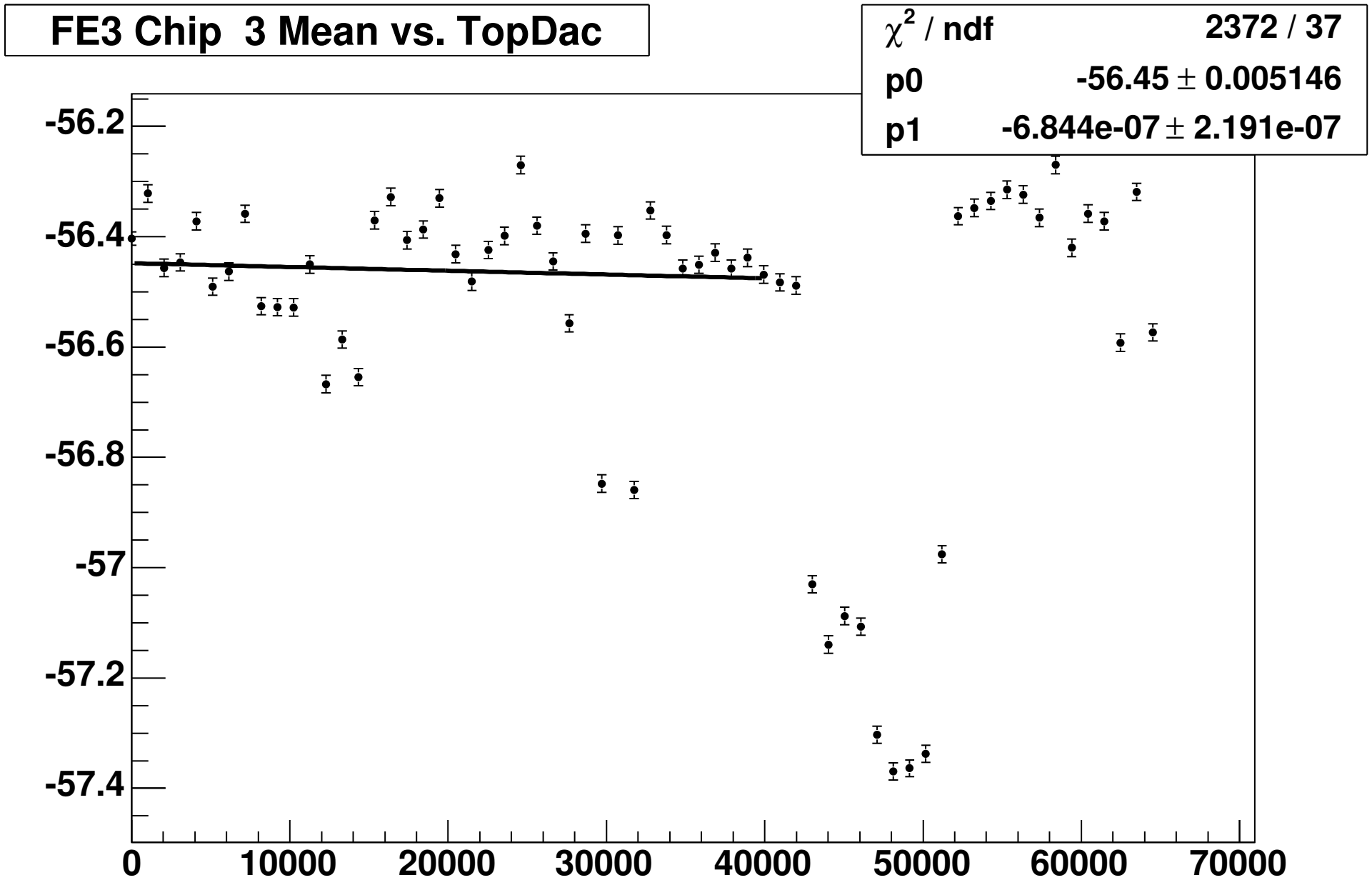

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 794.7 / 37
p0 1.379 ± 0.002826
p1 3.425e-05 ± 2.065e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ^2 / ndf 2246 / 37
p0 -52.3 ± 0.005231
p1 -3.458e-07 ± 2.229e-07
-52
-52.2
-52.4
-52.6
-52.8
-53
-53.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 36.55 / 37
p0 1.51 ± 0.002755
p1 3.545e-06 ± 1.599e-06
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 8.207e+04 / 37
p0 -57.57 ± 0.005118
p1 0.4514 ± 2.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 774.6 / 37
p0 1.365 ± 0.002793
p1 3.365e-05 ± 2.05e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 2372 / 37
p0 -56.45 ± 0.005146
p1 -6.844e-07 ± 2.191e-07
-56.2
-56.4
-56.6
-56.8
-57
-57.2
-57.4
0
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20000
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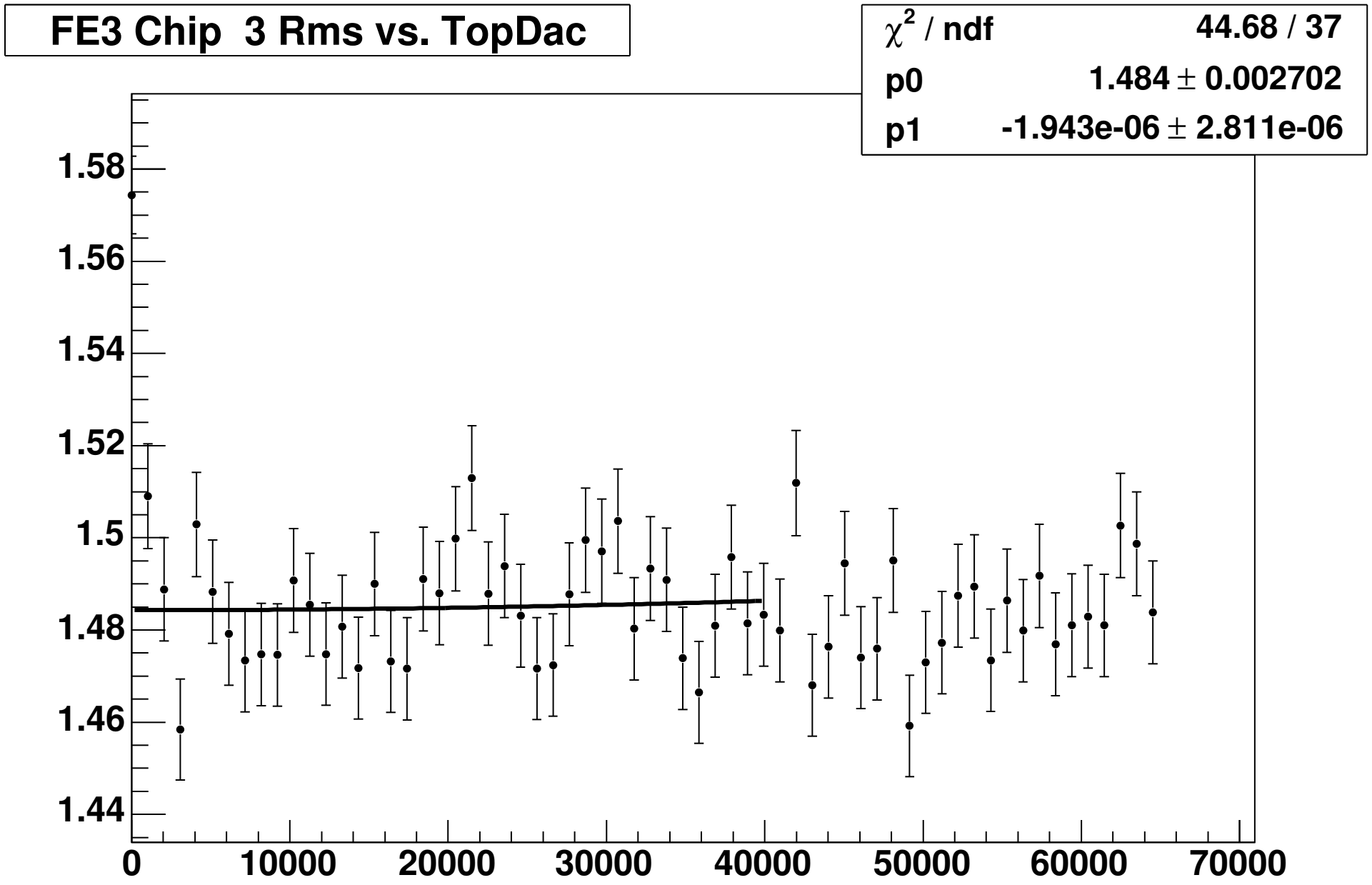
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 44.68 / 37
p0 1.484 ± 0.002702
p1 -1.943e-06 ± 2.811e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
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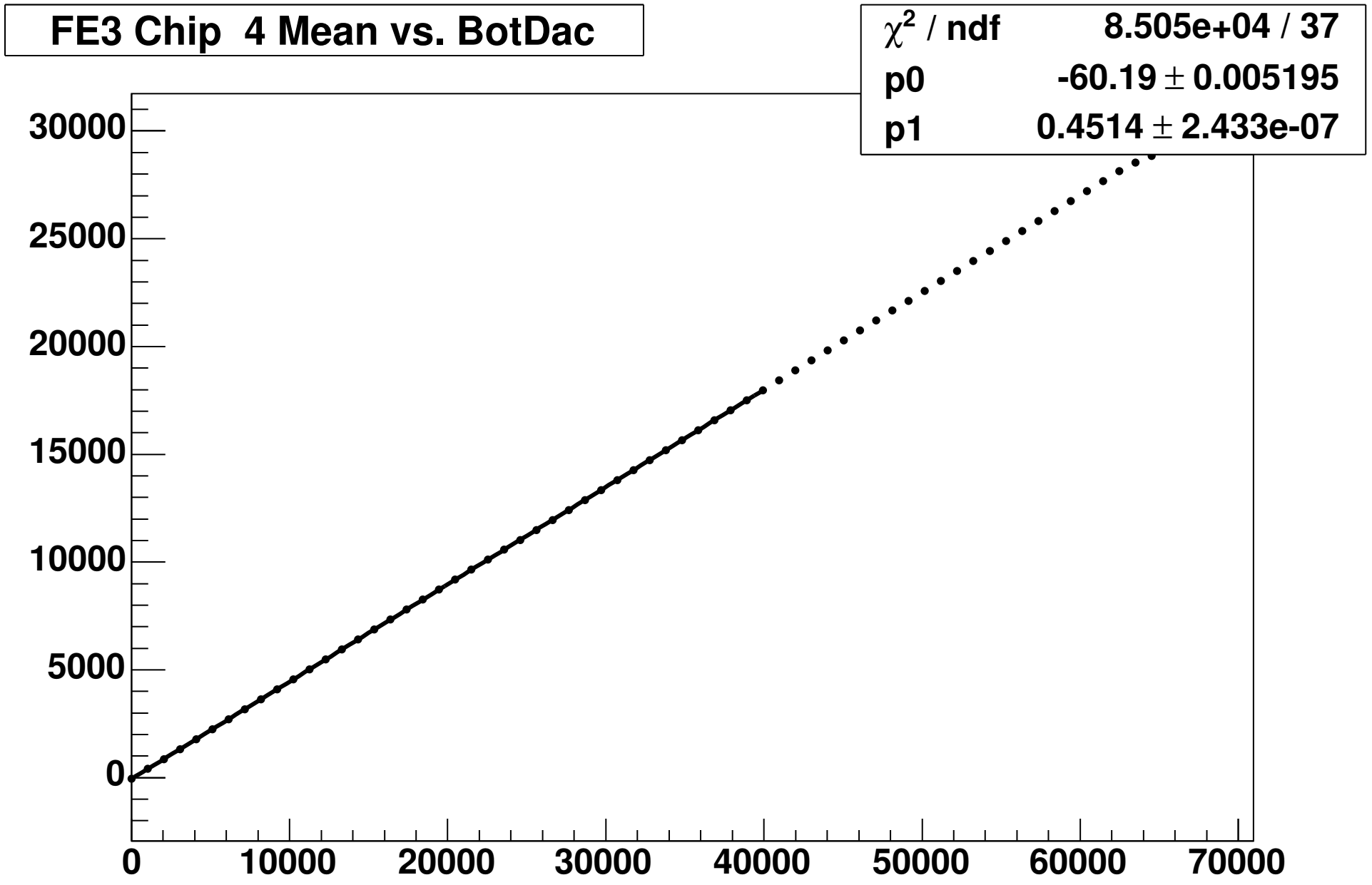
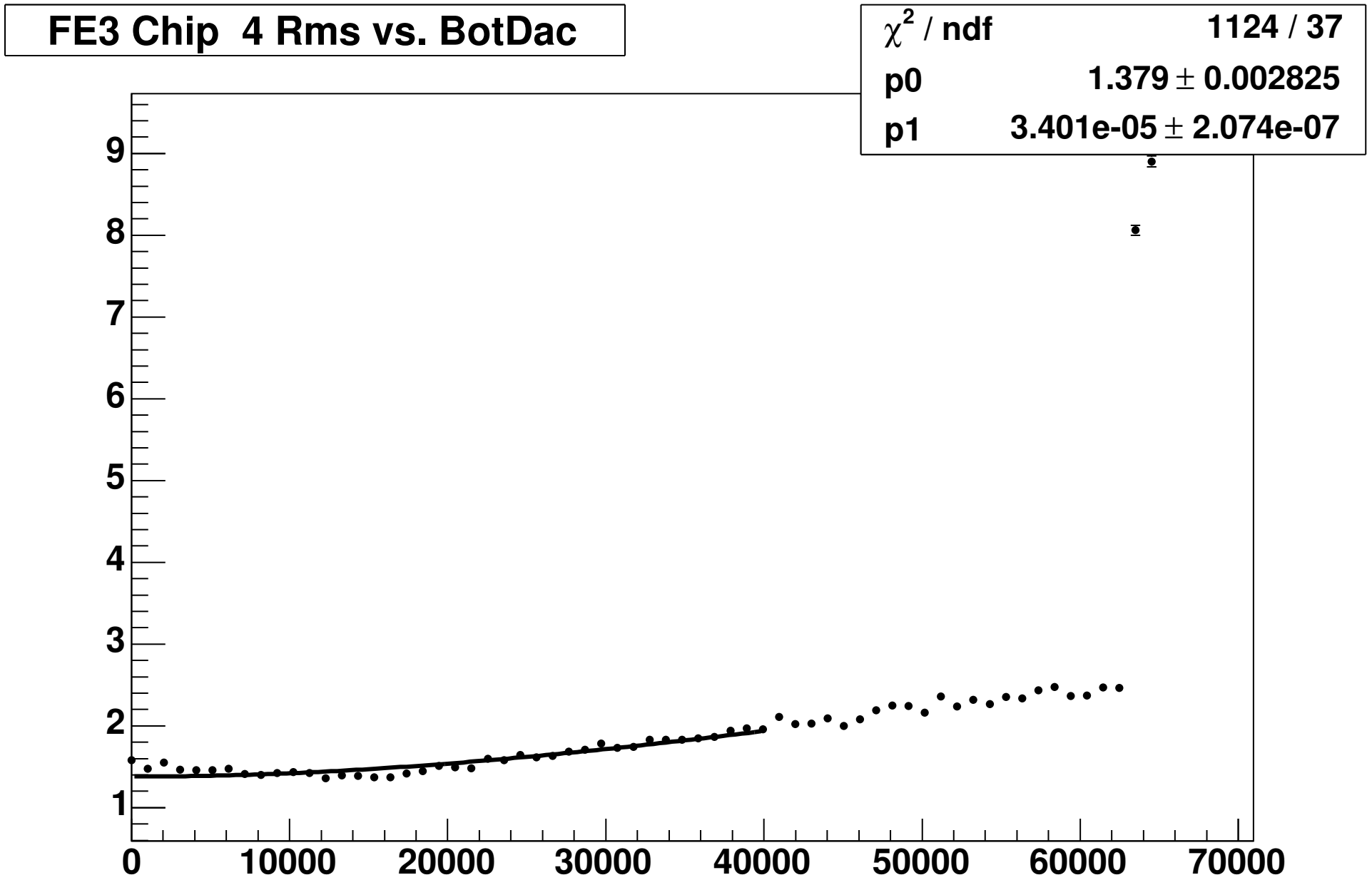

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 8.505e+04 / 37
p0 -60.19 ± 0.005195
p1 0.4514 ± 2.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1124 / 37
p0 1.379 ± 0.002825
p1 3.401e-05 ± 2.074e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
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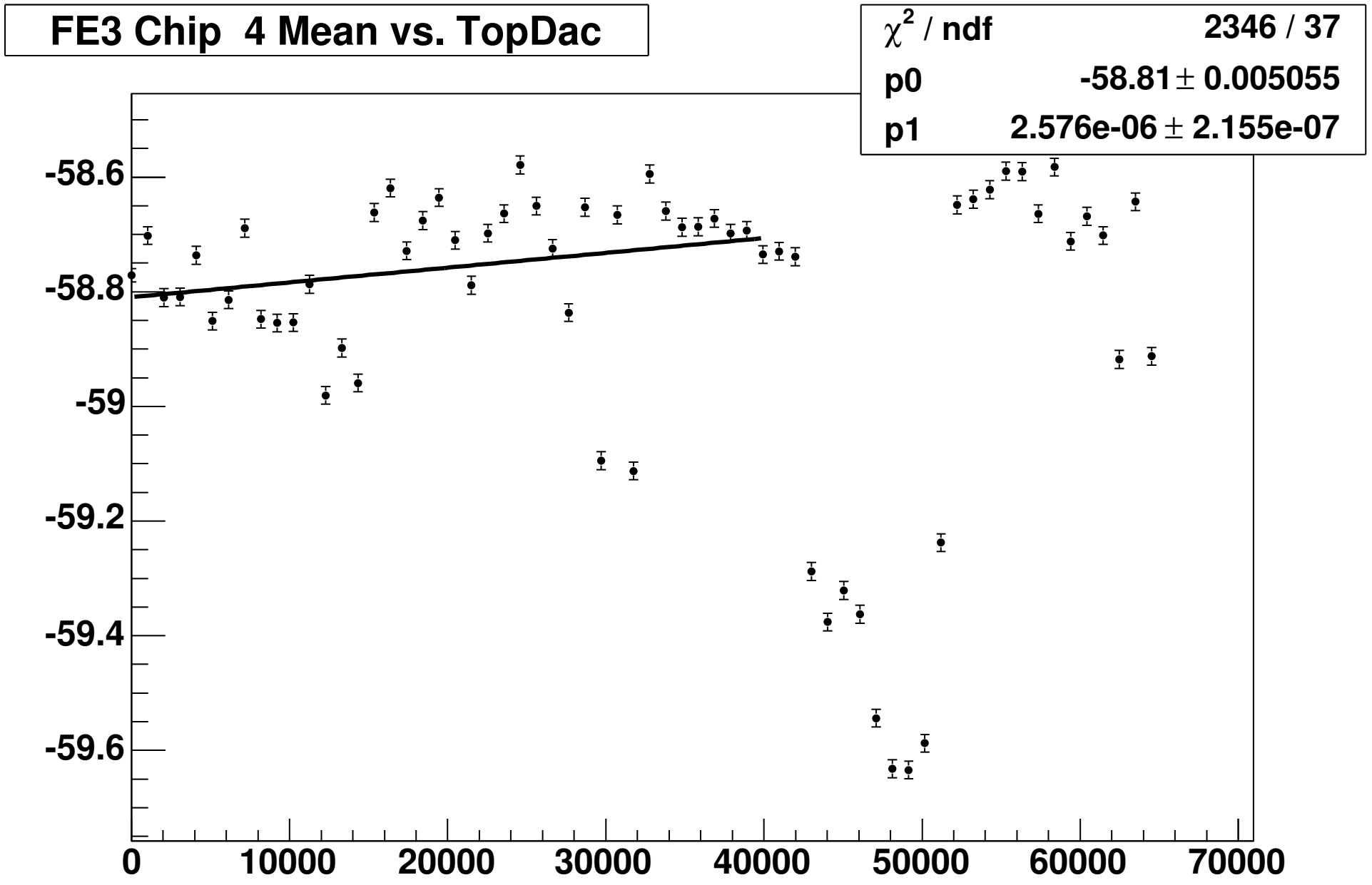
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 2346 / 37
p0 -58.81 ± 0.005055
p1 2.576e-06 ± 2.155e-07
-58.6
-58.8
-59
-59.2
-59.4
-59.6
0
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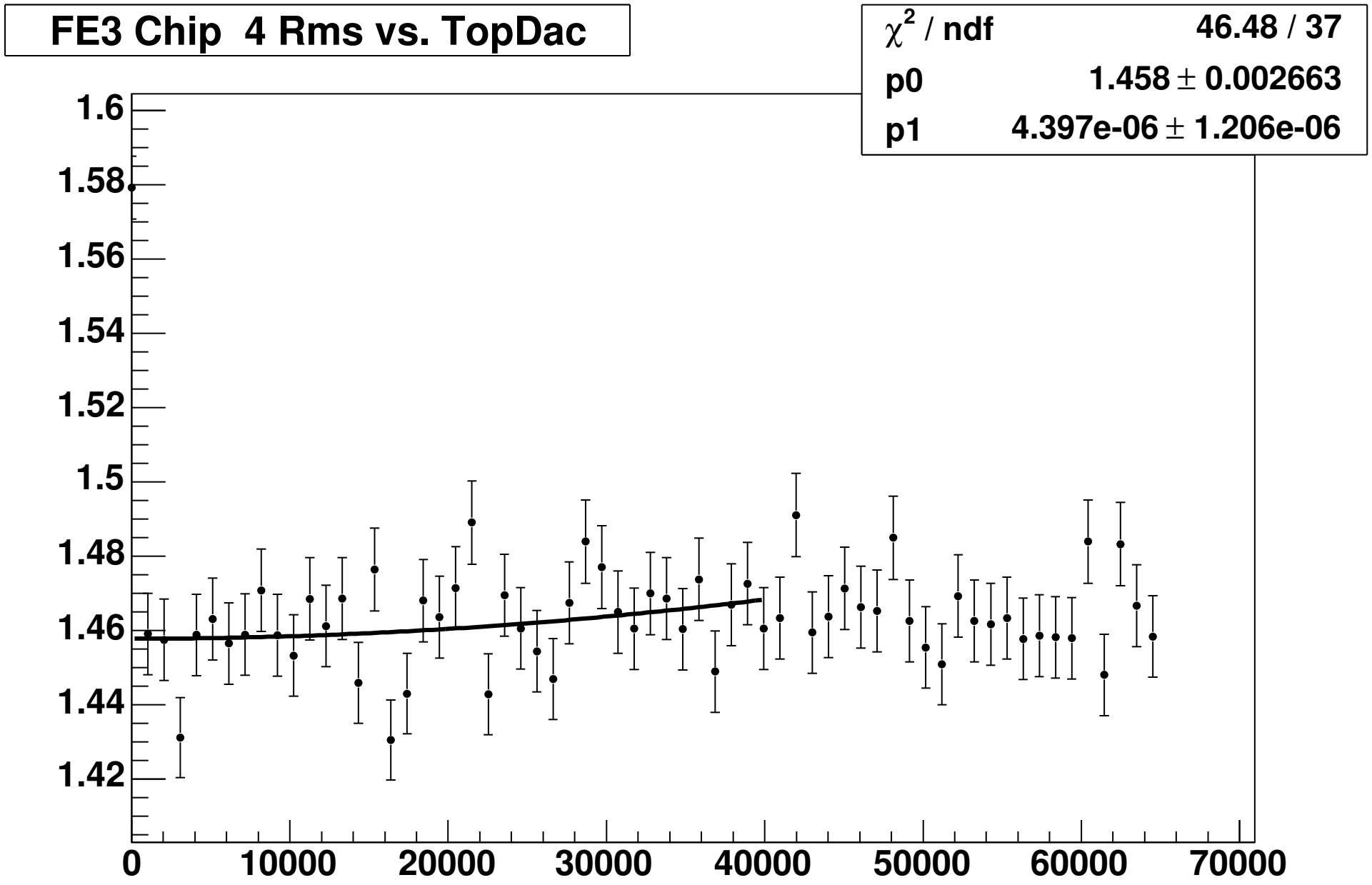
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 46.48 / 37
p0 1.458 ± 0.002663
p1 4.397e-06 ± 1.206e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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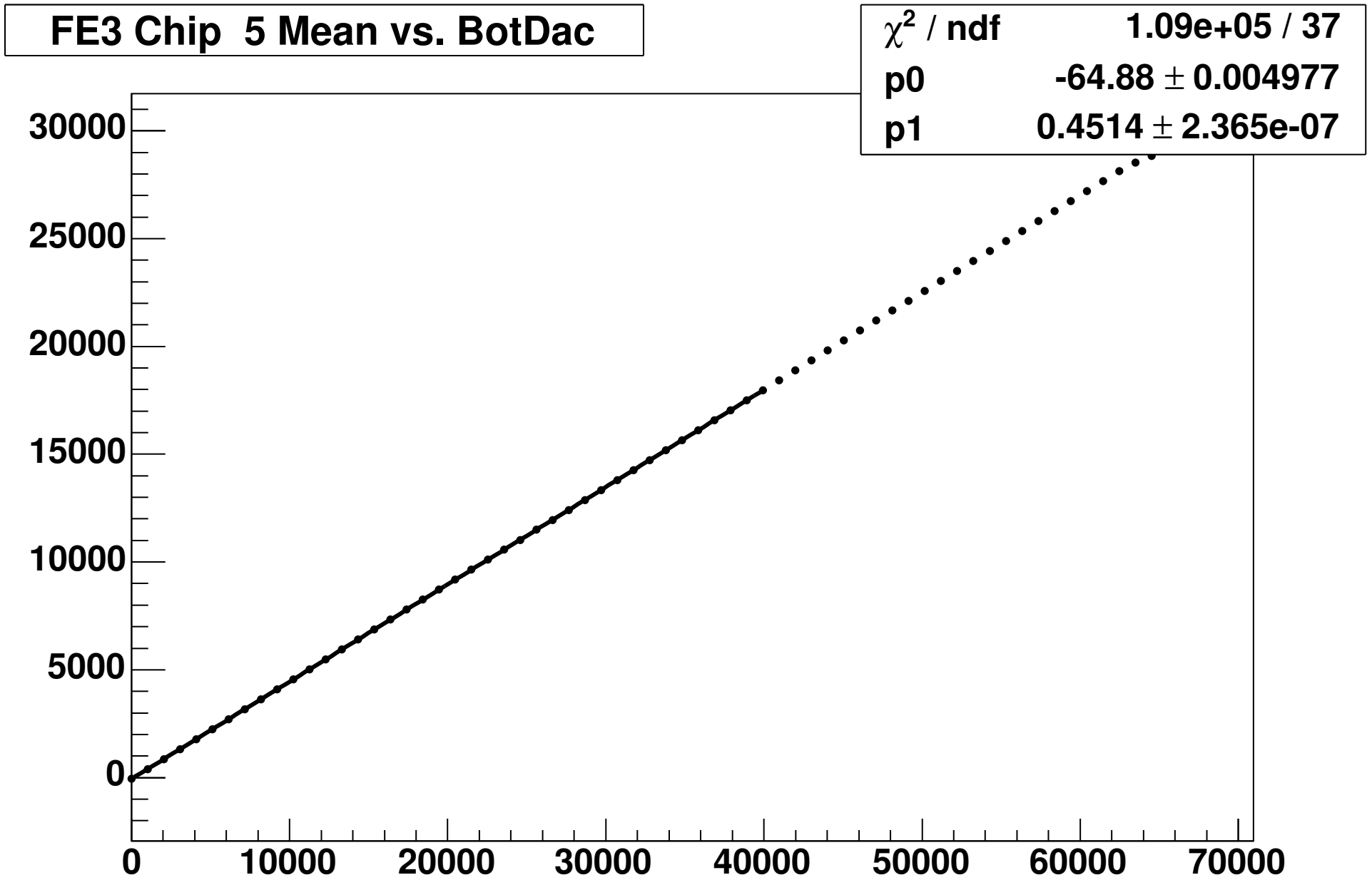
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.09e+05 / 37
p0 -64.88 ± 0.004977
p1 0.4514 ± 2.365e-07
30000
25000
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10000
5000
0
0
10000
20000
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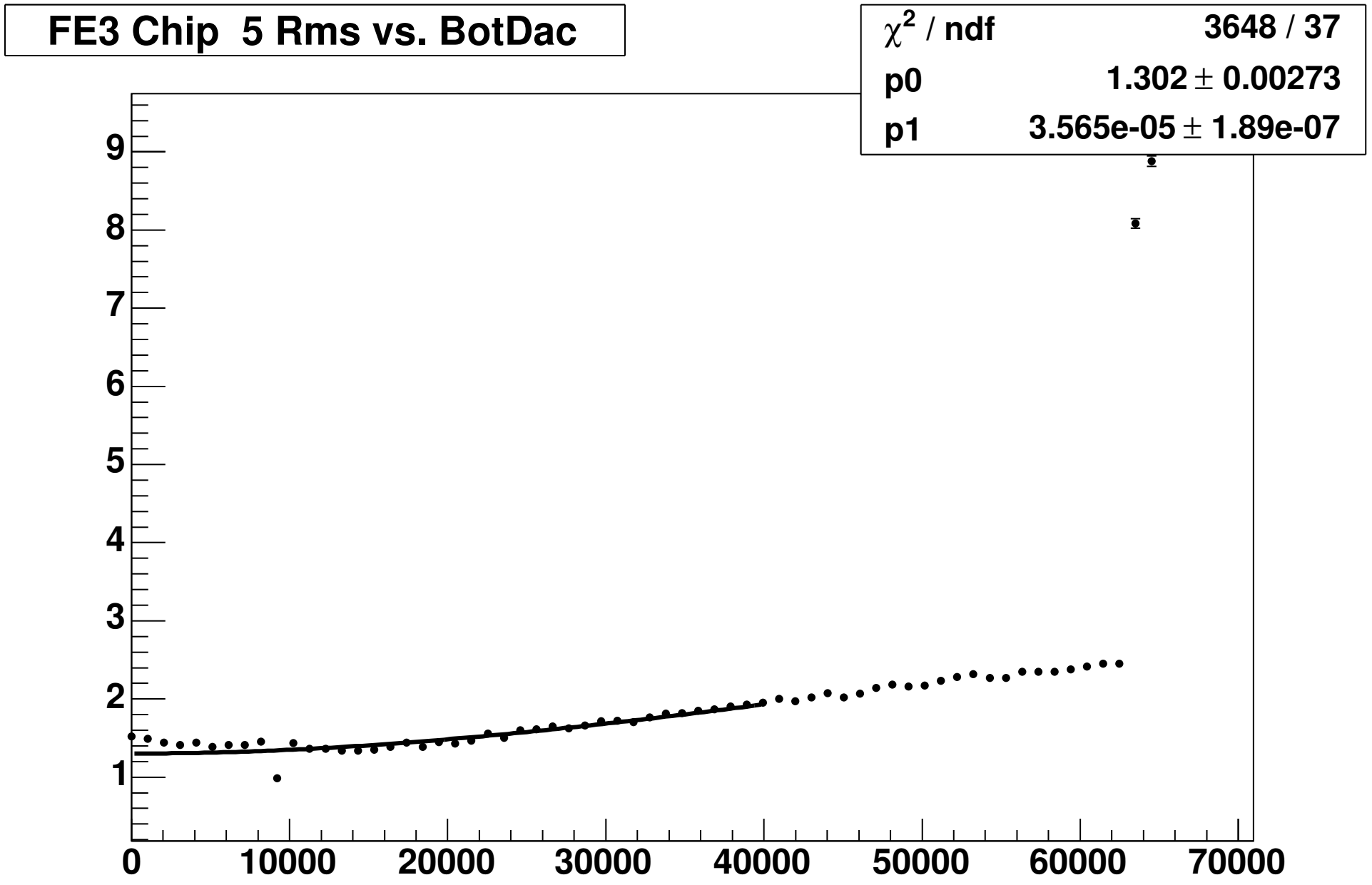
FE3 Chip 5 Rms vs. BotDac
χ² / ndf 3648 / 37
p0 1.302 ± 0.00273
p1 3.565e-05 ± 1.89e-07
9
8
7
6
5
4
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2
1
0
10000
20000
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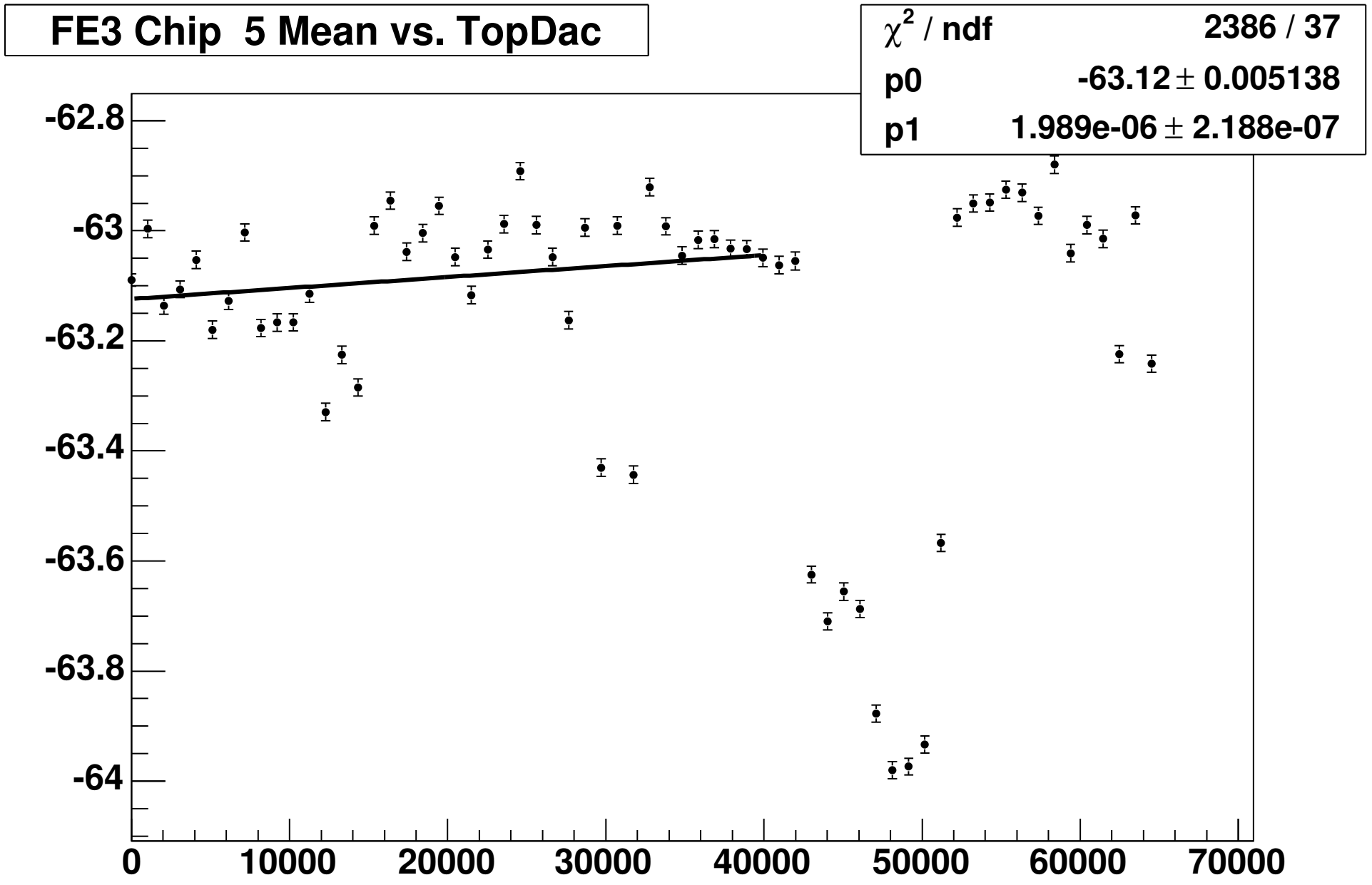
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 2386 / 37
p0 -63.12 ± 0.005138
p1 1.989e-06 ± 2.188e-07
-62.8
-63
-63.2
-63.4
-63.6
-63.8
-64
0
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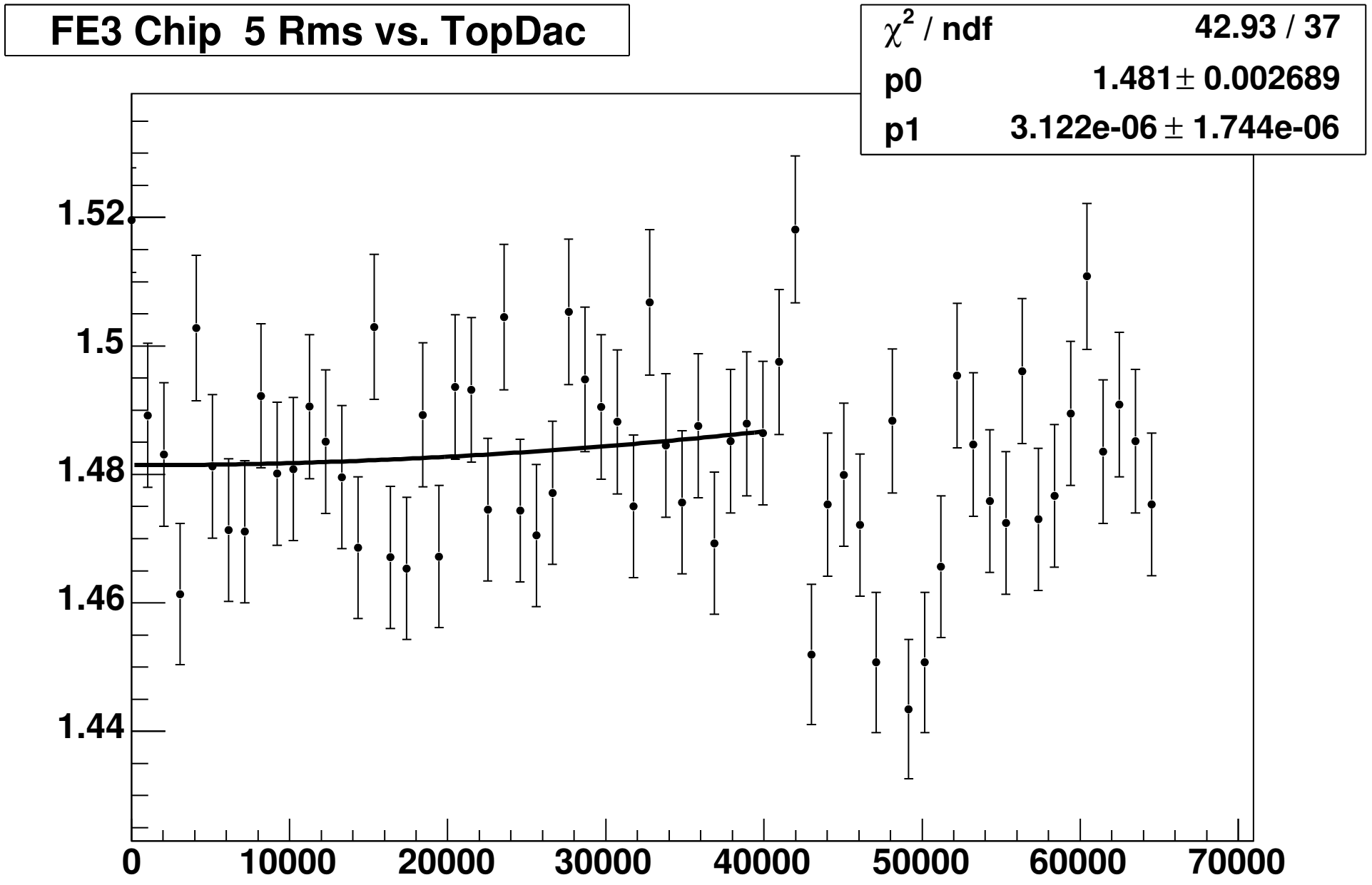
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 42.93 / 37
p0 1.481 ± 0.002689
p1 3.122e-06 ± 1.744e-06
1.52
1.5
1.48
1.46
1.44
0
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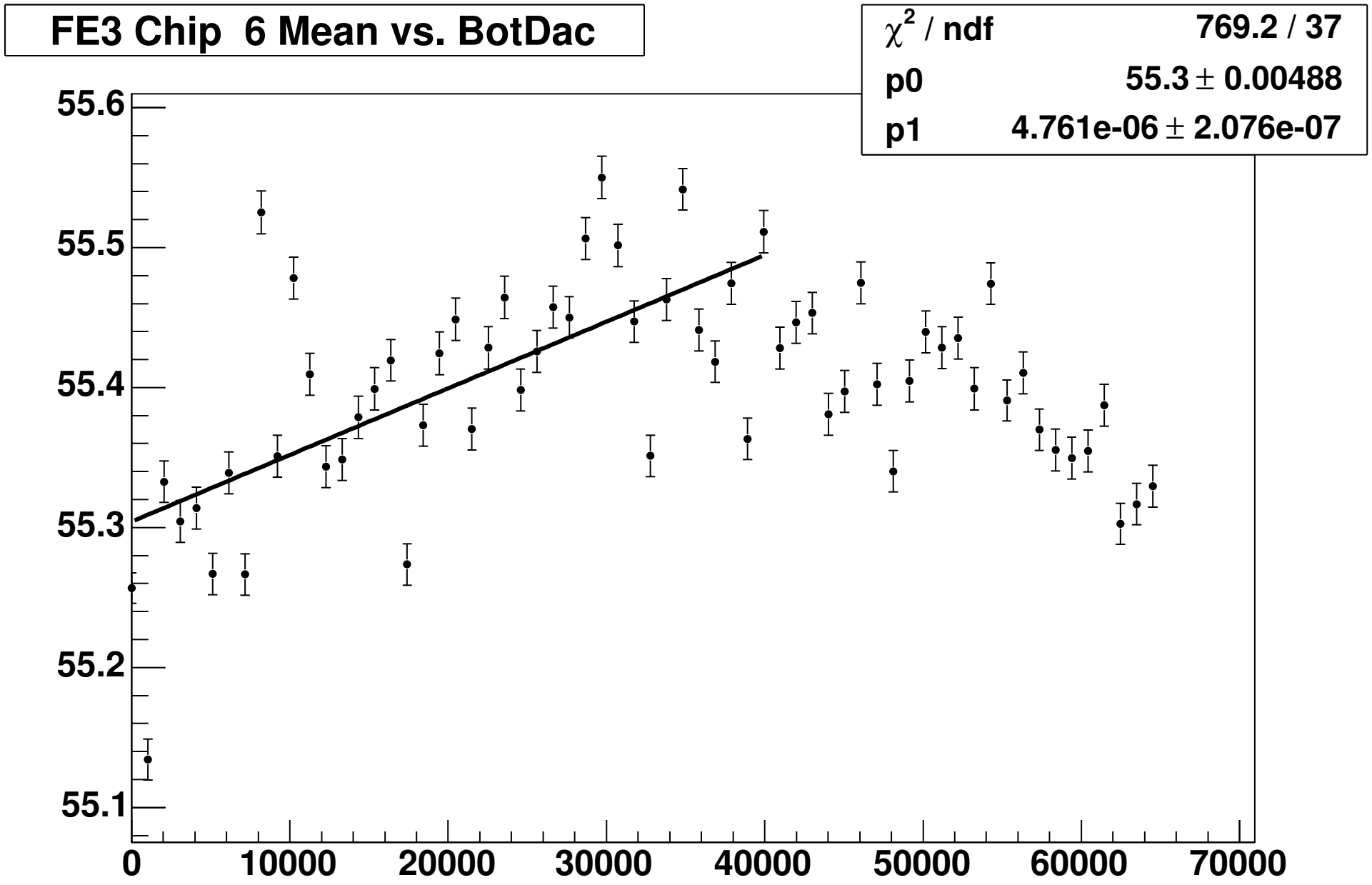
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 769.2 / 37
p0 55.3 ± 0.00488
p1 4.761e-06 ± 2.076e-07
55.6
55.5
55.4
55.3
55.2
55.1
0
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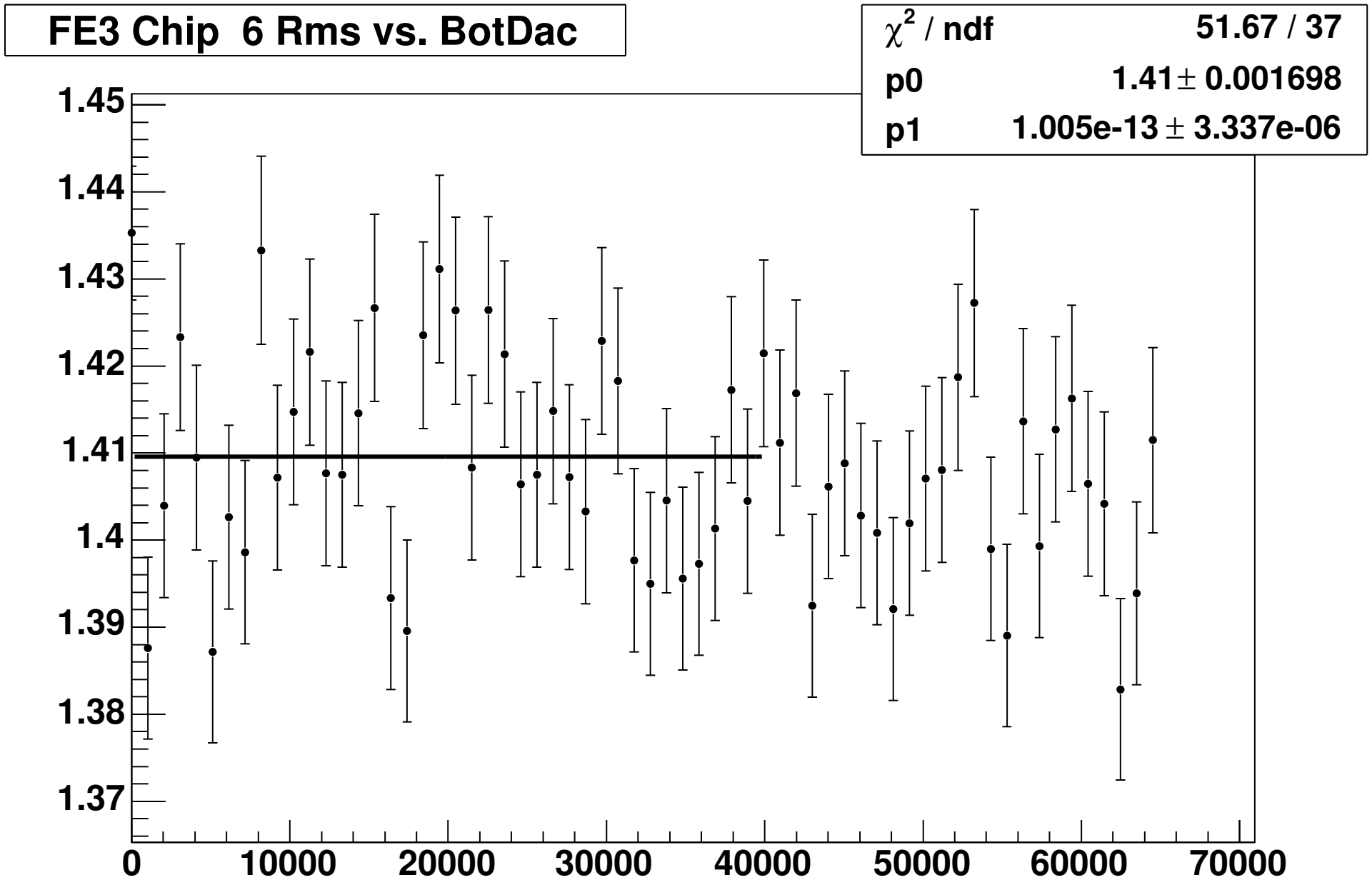
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 51.67 / 37
p0 1.41 ± 0.001698
p1 1.005e-13 ± 3.337e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
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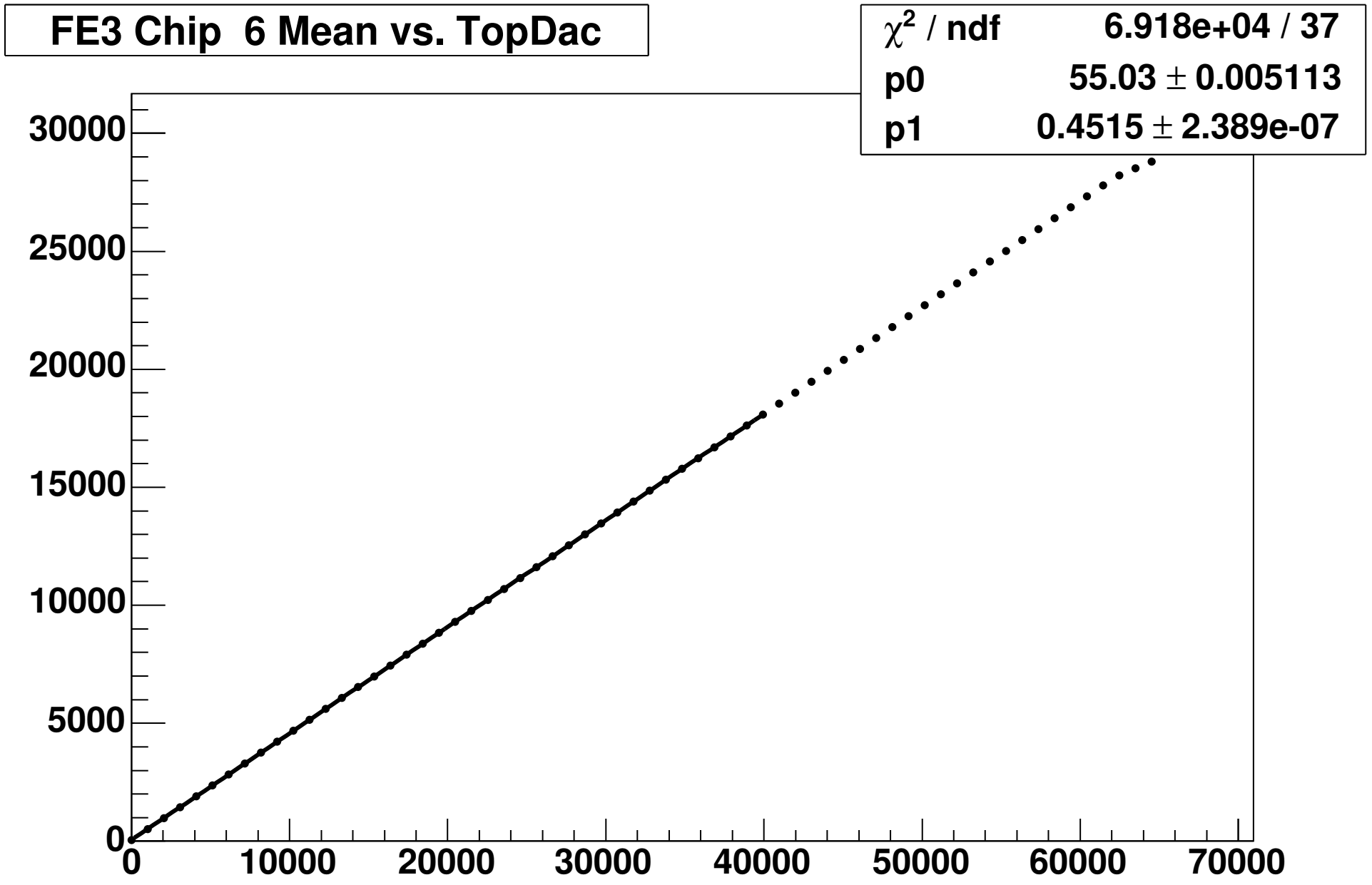
50000
60000
70000


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 6.918e+04 / 37
p0 55.03 ± 0.005113
p1 0.4515 ± 2.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
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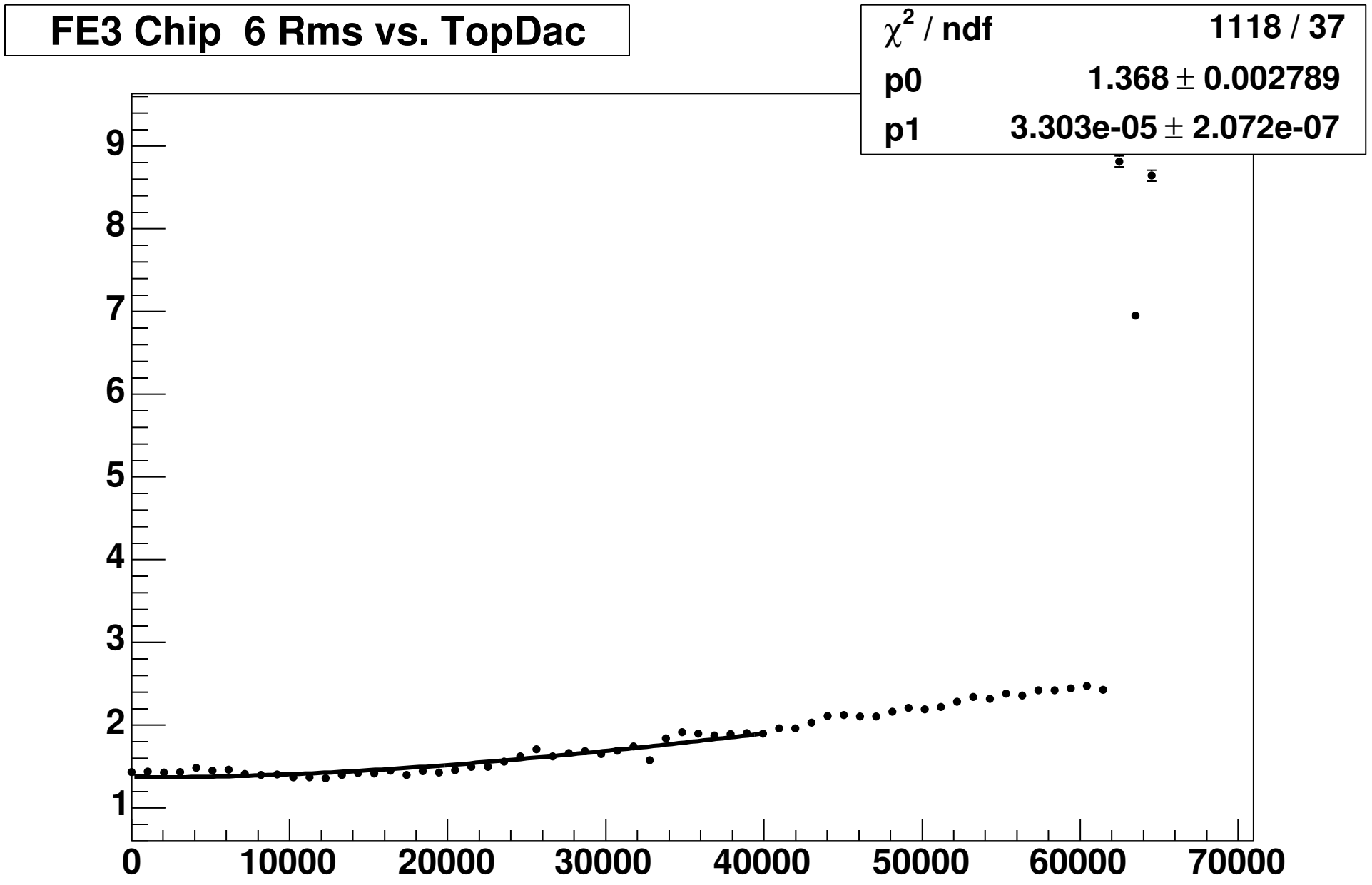
FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1118 / 37
p0 1.368 ± 0.002789
p1 3.303e-05 ± 2.072e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
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50000
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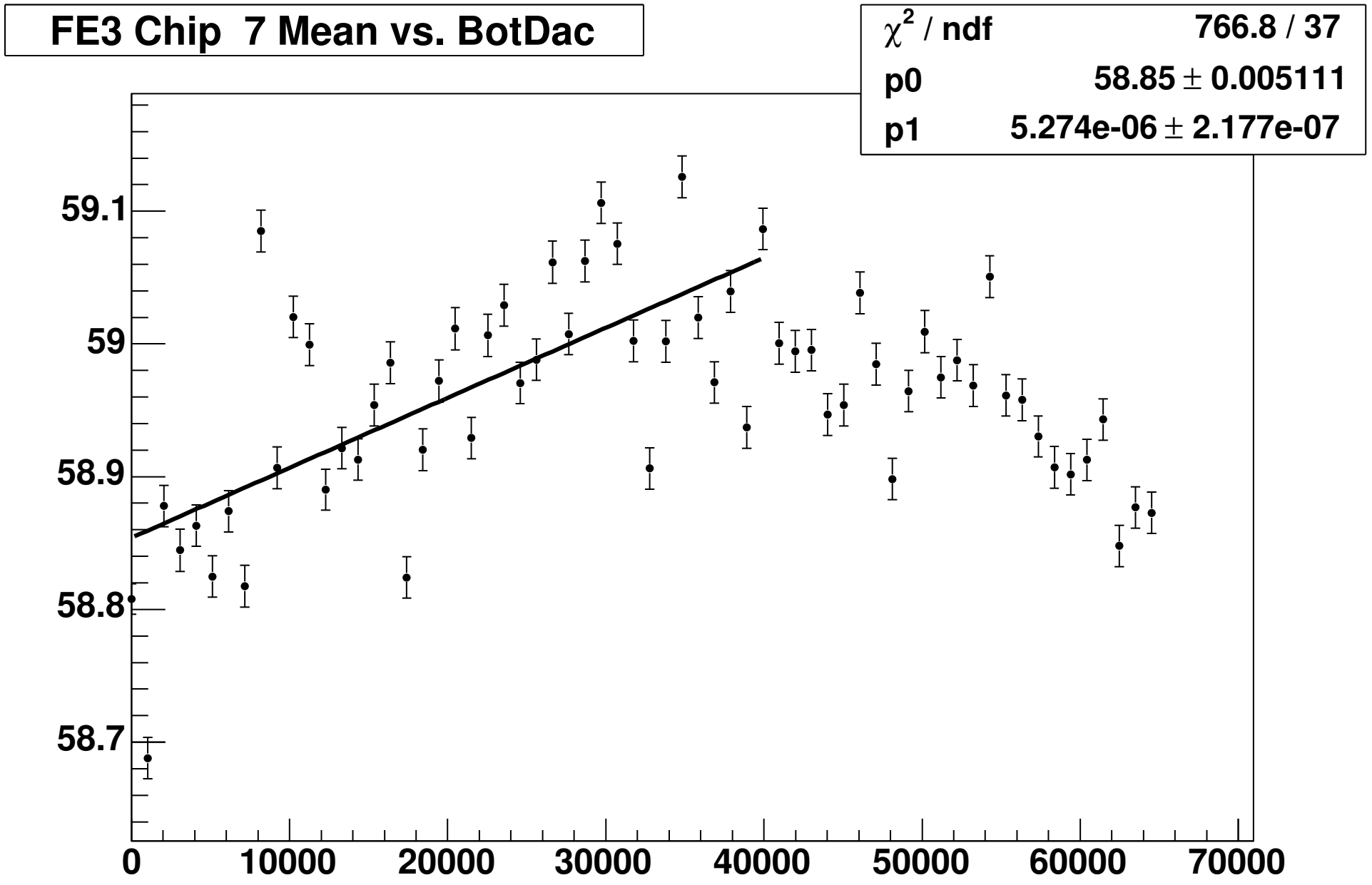
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 766.8 / 37
p0 58.85 ± 0.005111
p1 5.274e-06 ± 2.177e-07
59.1
59
58.9
58.8
58.7
0
10000
20000
30000
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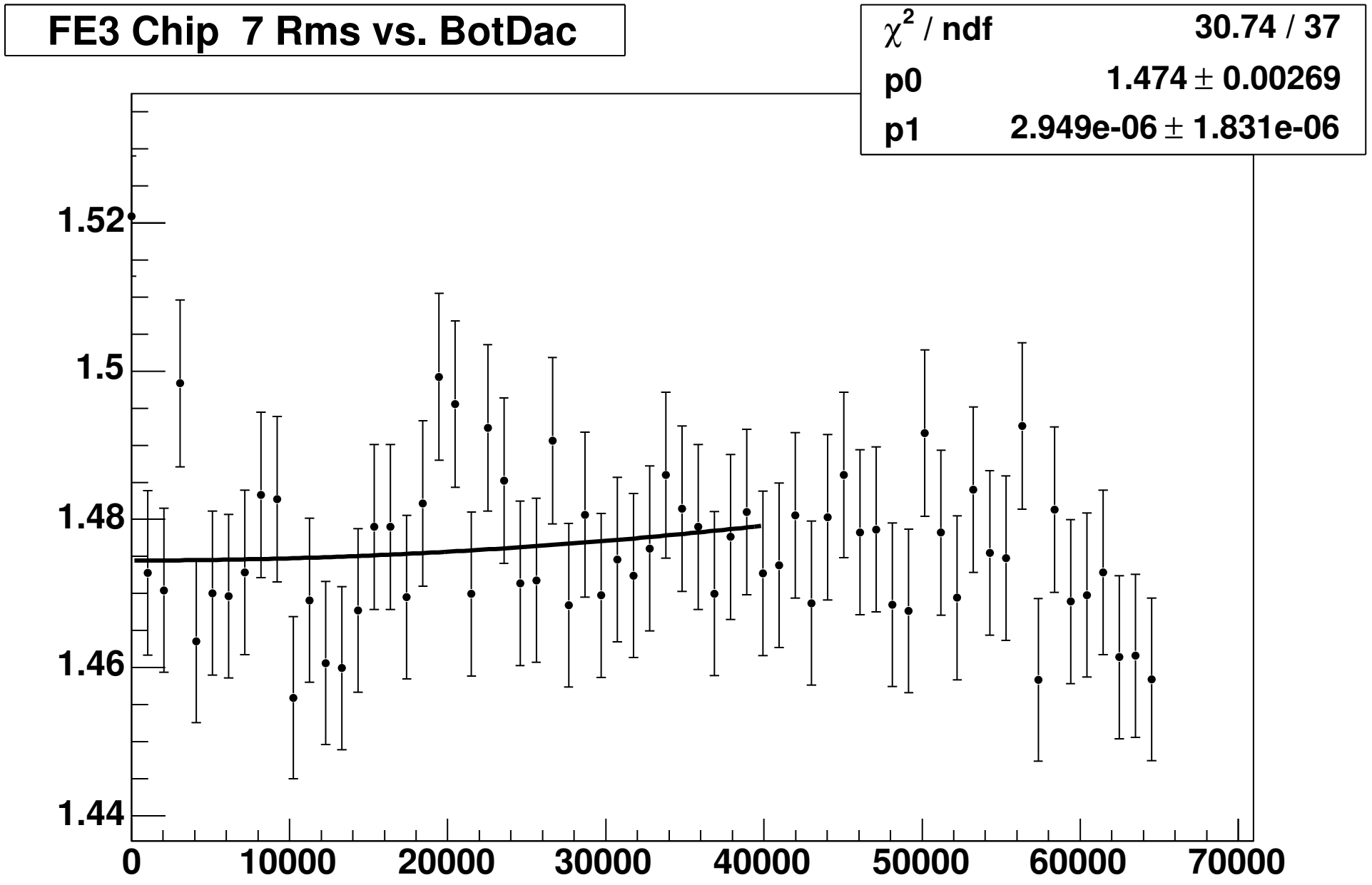
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 30.74 / 37
p0 1.474 ± 0.00269
p1 2.949e-06 ± 1.831e-06
1.52
1.5
1.48
1.46
1.44
0
10000
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30000
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60000
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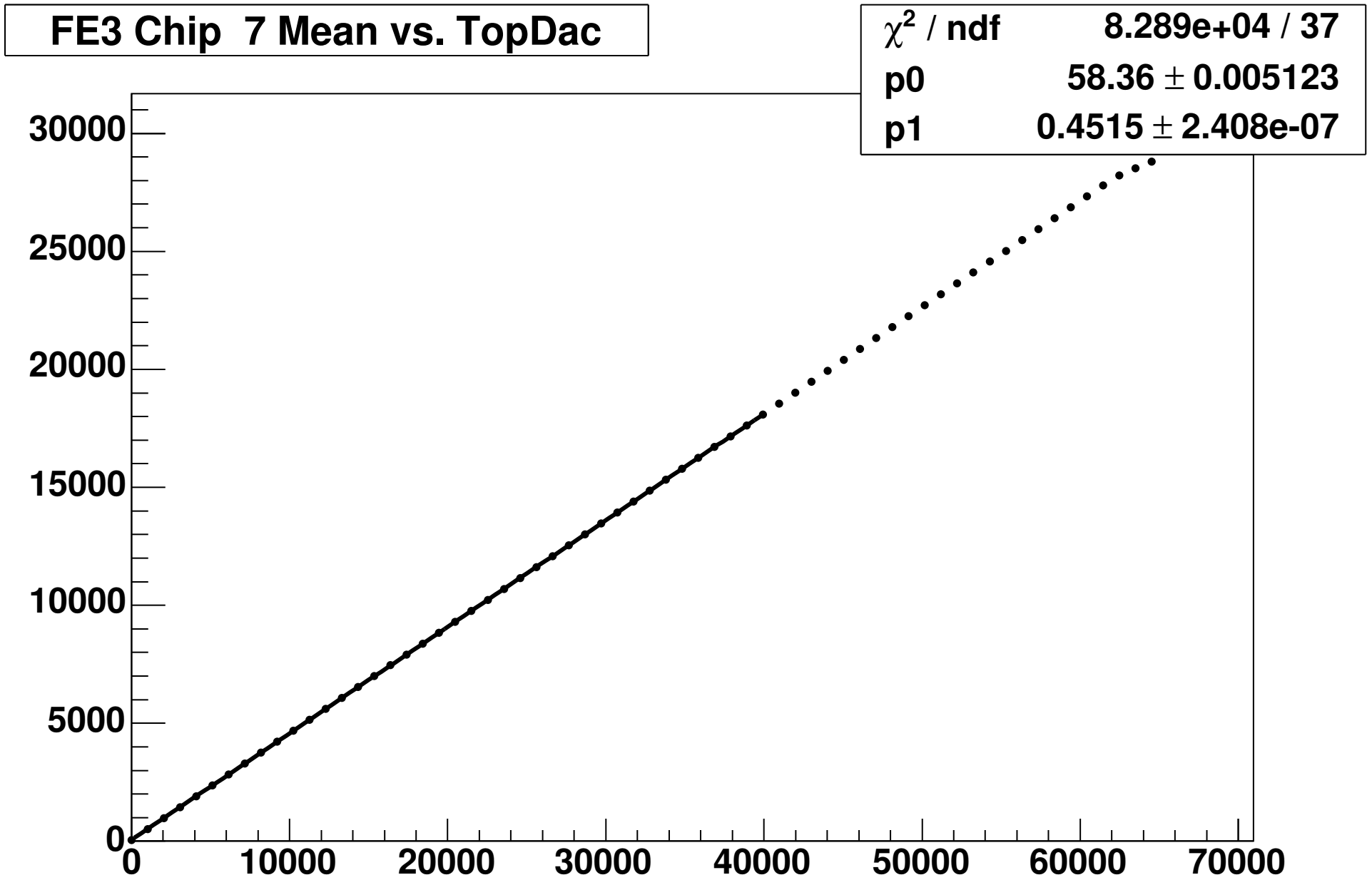
FE3 Chip 7 Mean vs. TopDac
χ² / ndf 8.289e+04 / 37
p0 58.36 ± 0.005123
p1 0.4515 ± 2.408e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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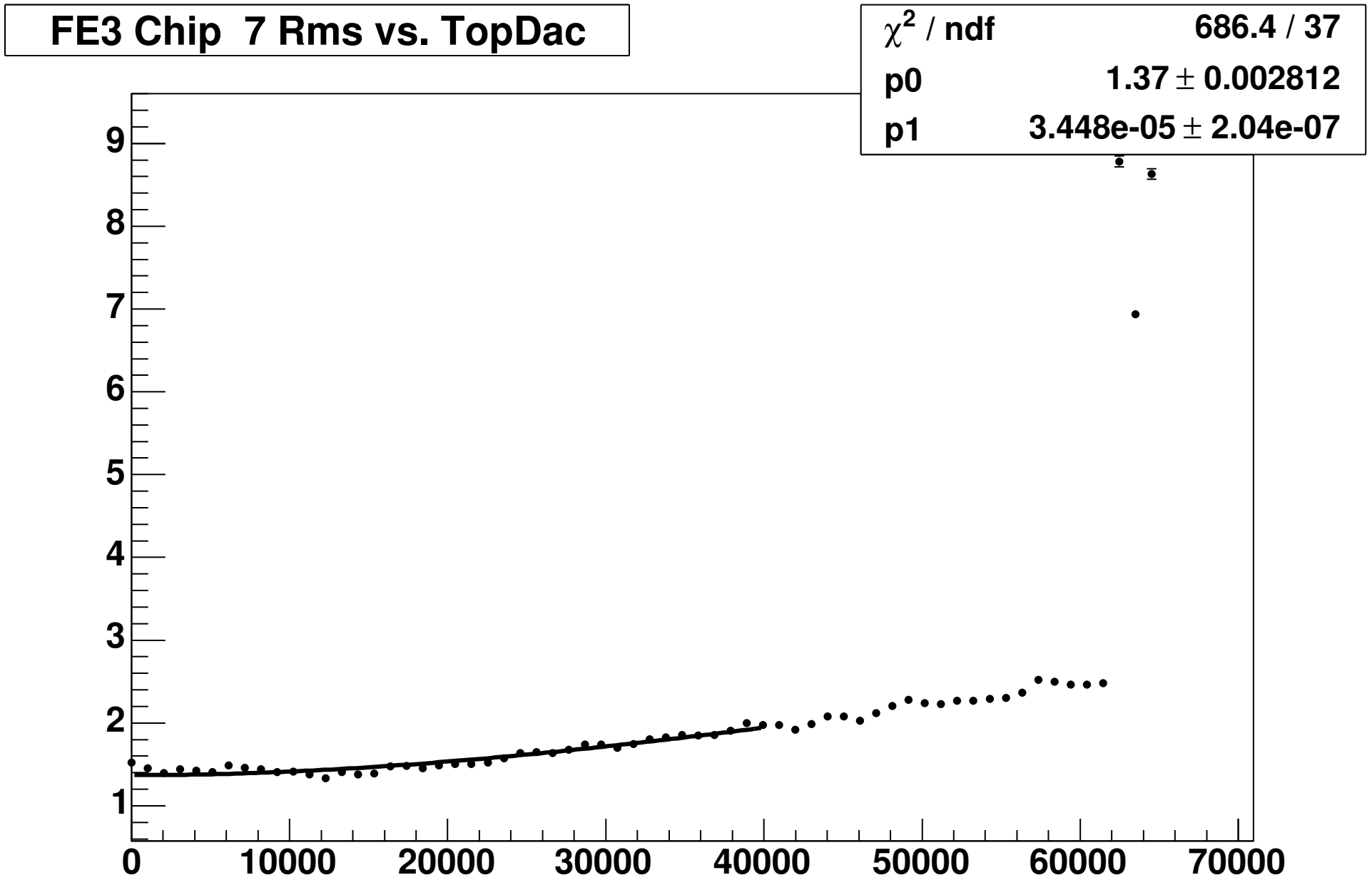
FE3 Chip 7 Rms vs. TopDac
χ² / ndf 686.4 / 37
p0 1.37 ± 0.002812
p1 3.448e-05 ± 2.04e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
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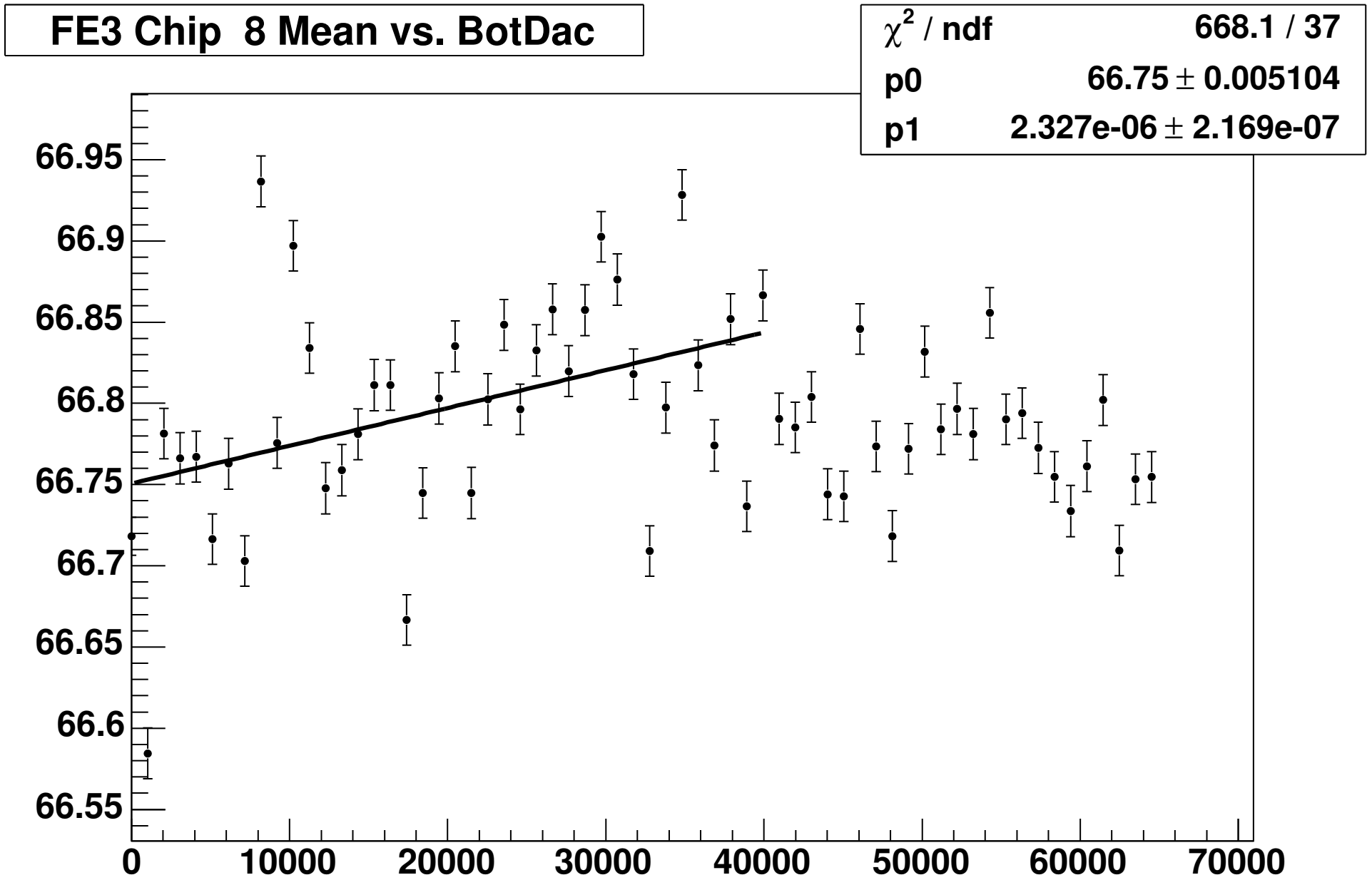
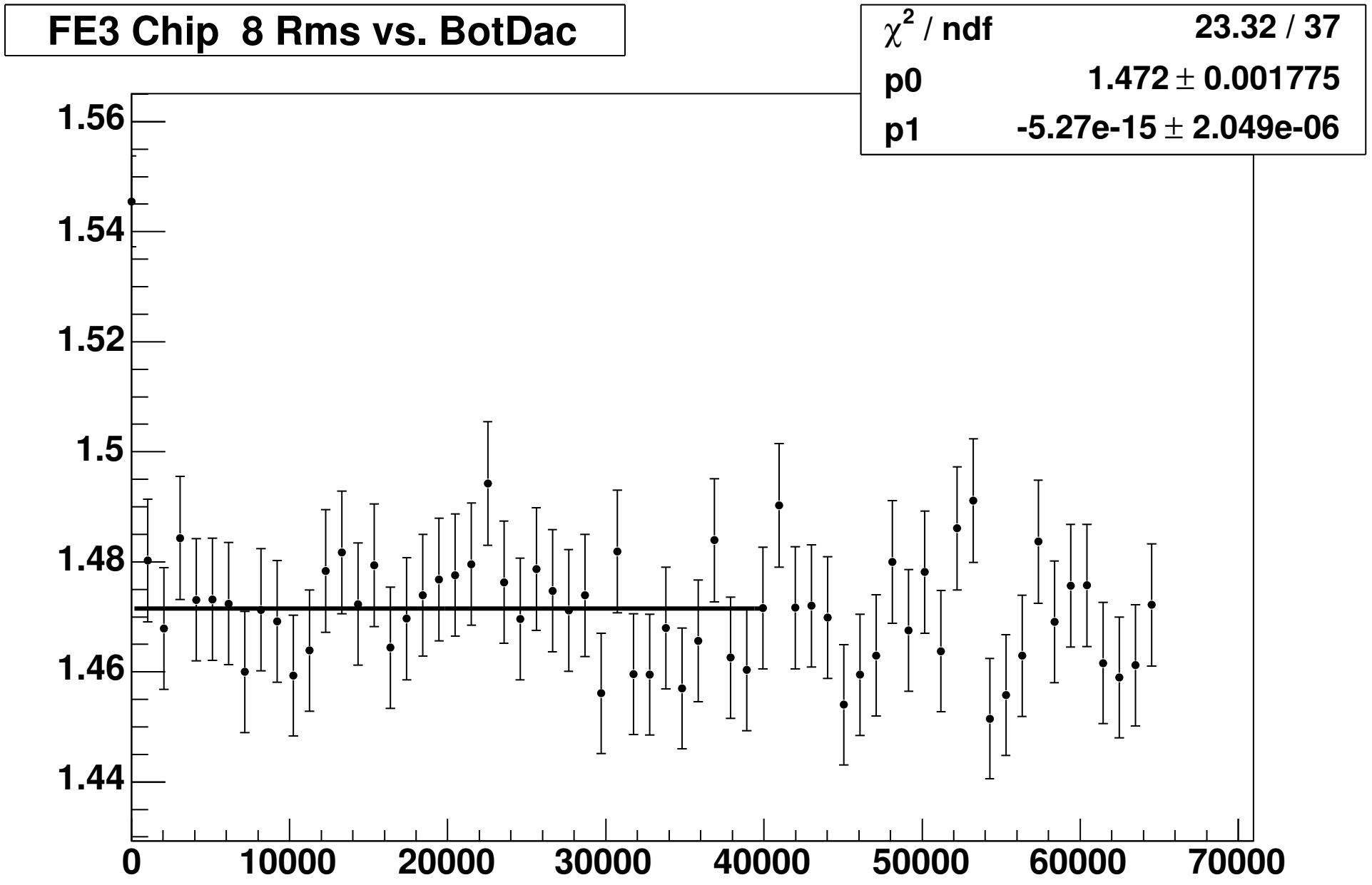

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 668.1 / 37
p0 66.75 ± 0.005104
p1 2.327e-06 ± 2.169e-07
66.95
66.9
66.85
66.8
66.75
66.7
66.65
66.6
66.55
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 23.32 / 37
p0 1.472 ± 0.001775
p1 -5.27e-15 ± 2.049e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
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30000
40000
50000
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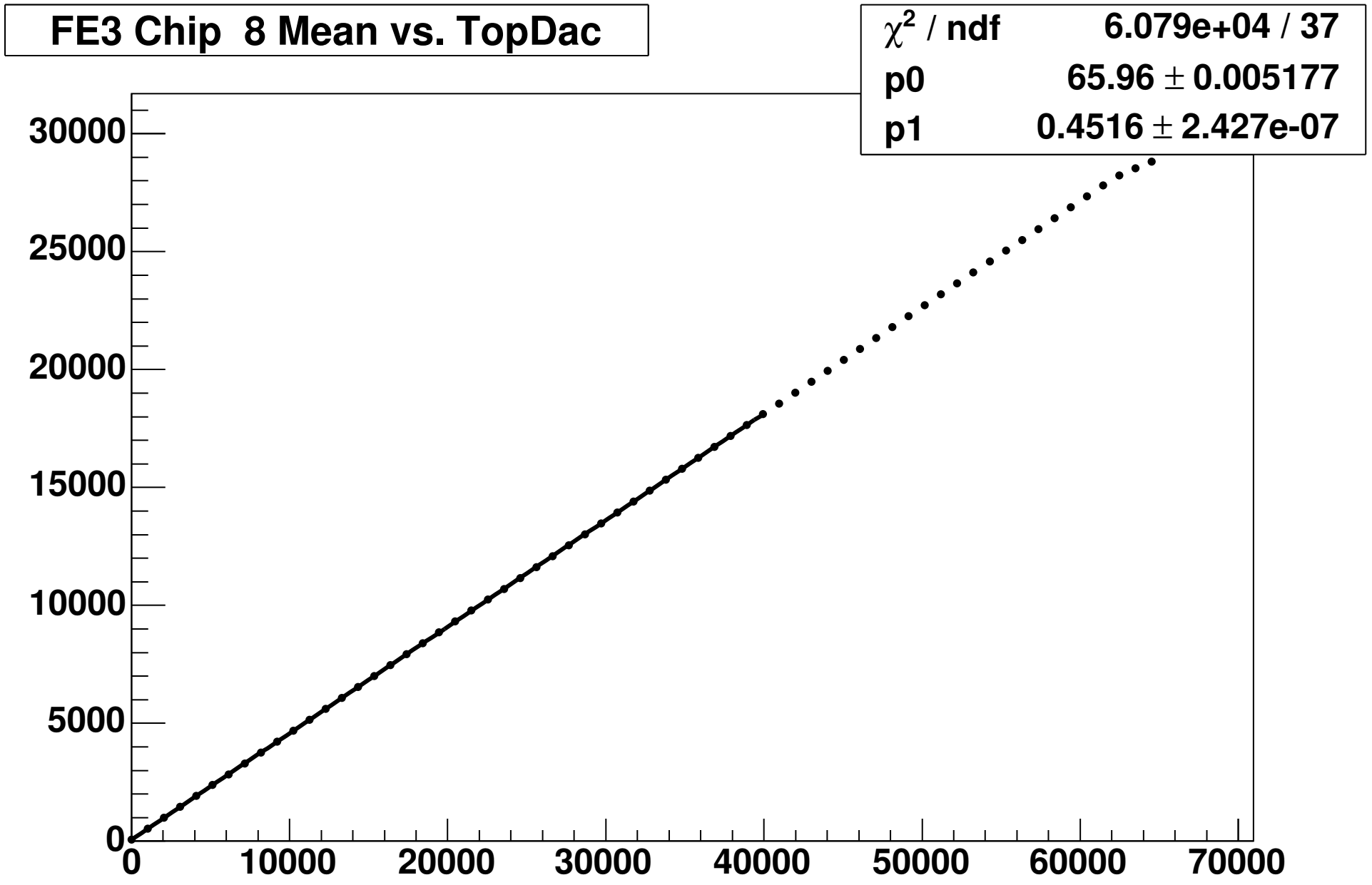
FE3 Chip 8 Mean vs. TopDac
χ² / ndf 6.079e+04 / 37
p0 65.96 ± 0.005177
p1 0.4516 ± 2.427e-07
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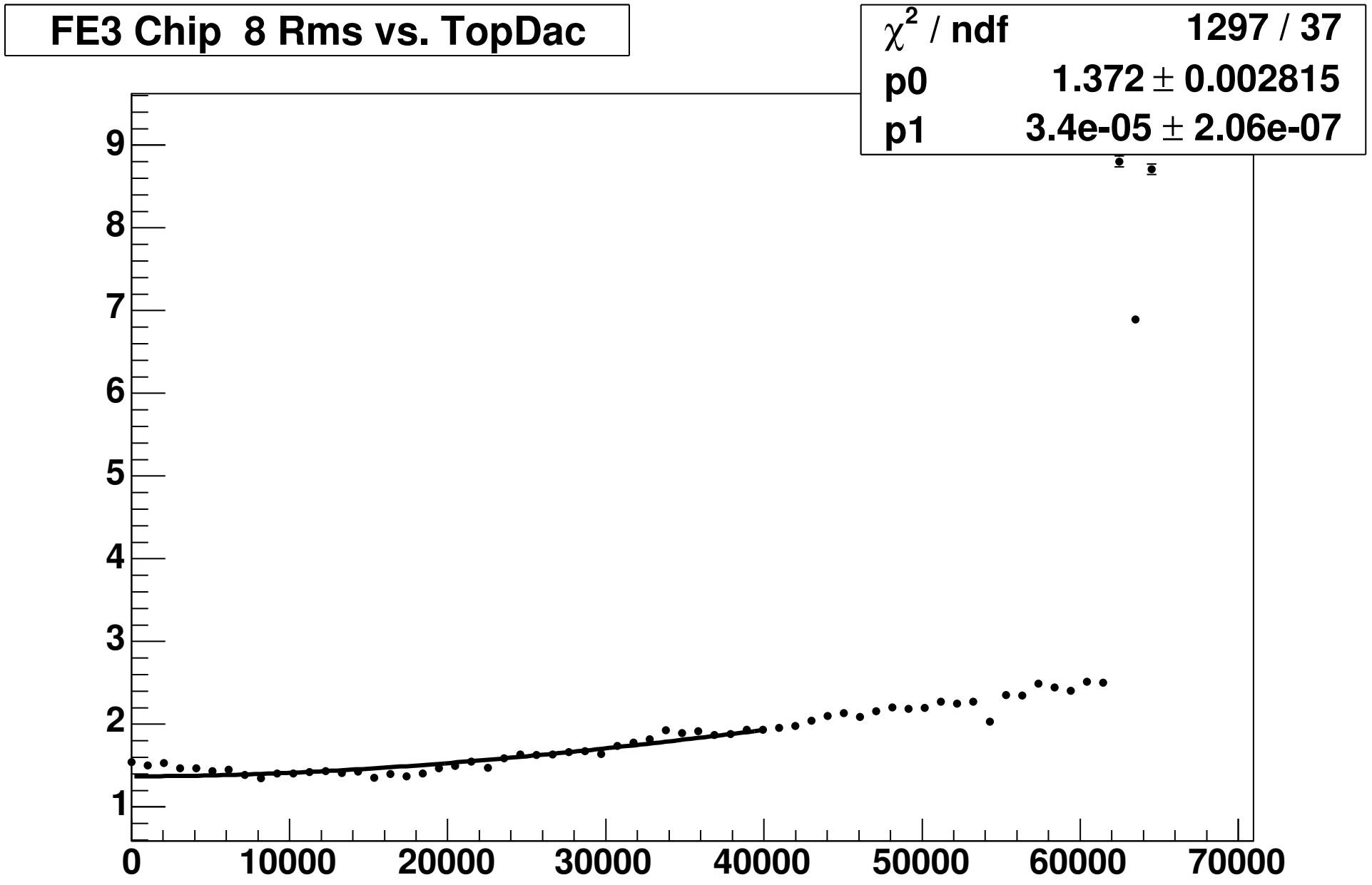
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 1297 / 37
p0 1.372 ± 0.002815
p1 3.4e-05 ± 2.06e-07
9
8
7
6
5
4
3
2
1
0
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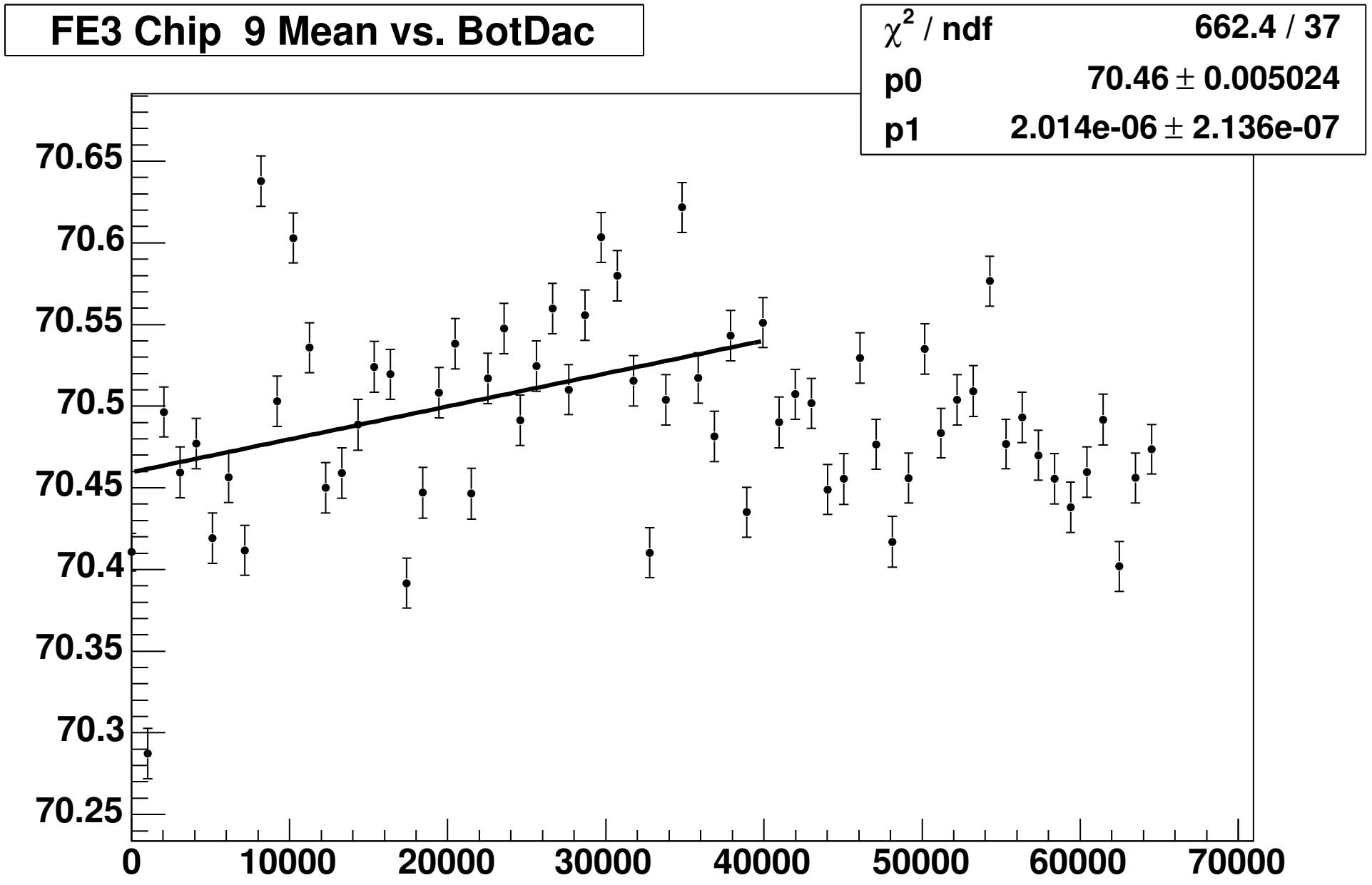
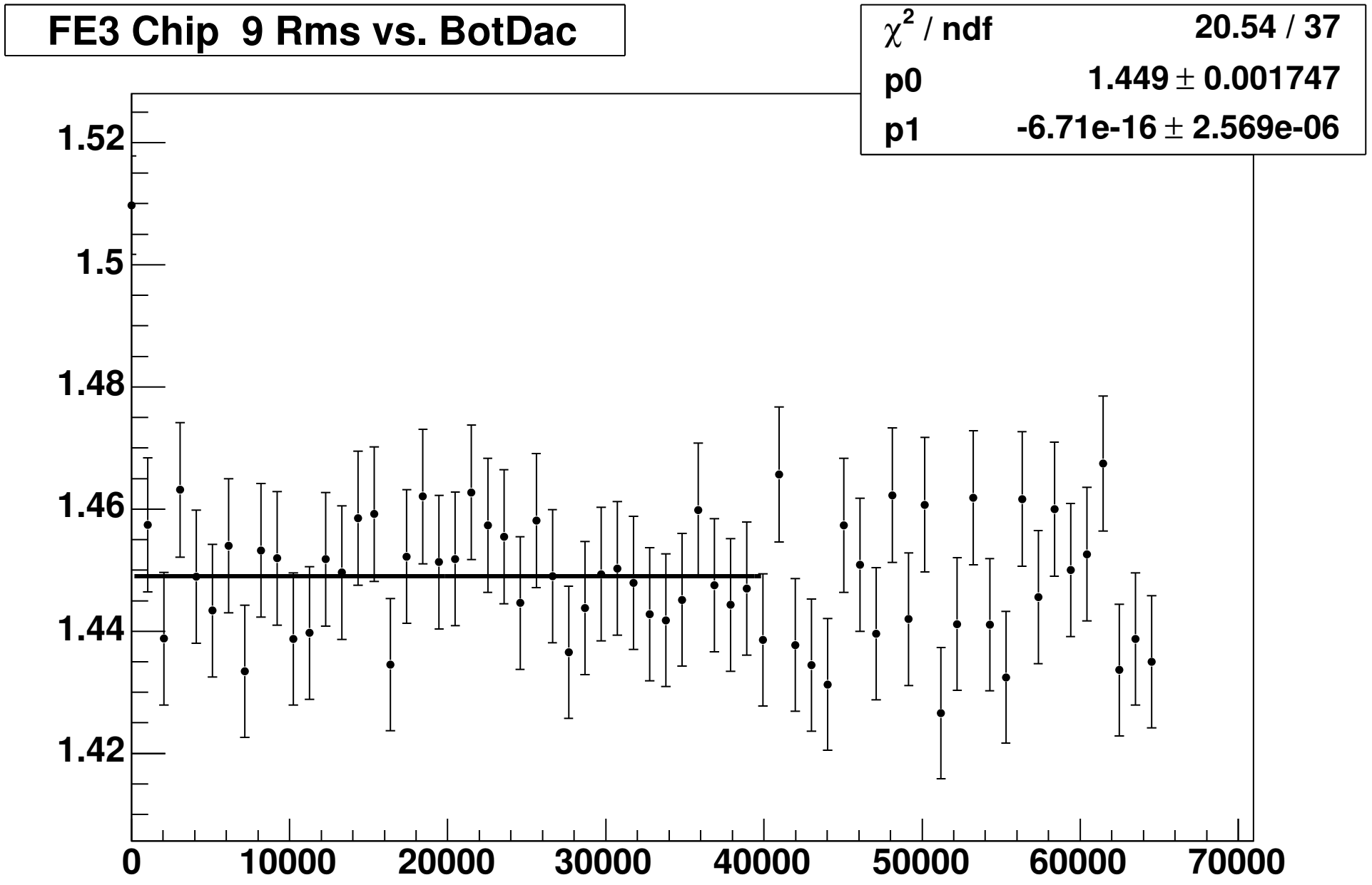
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 662.4 / 37
p0 70.46 ± 0.005024
p1 2.014e-06 ± 2.136e-07
70.65
70.6
70.55
70.5
70.45
70.4
70.35
70.3
70.25
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 20.54 / 37
p0 1.449 ± 0.001747
p1 -6.71e-16 ± 2.569e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
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20000
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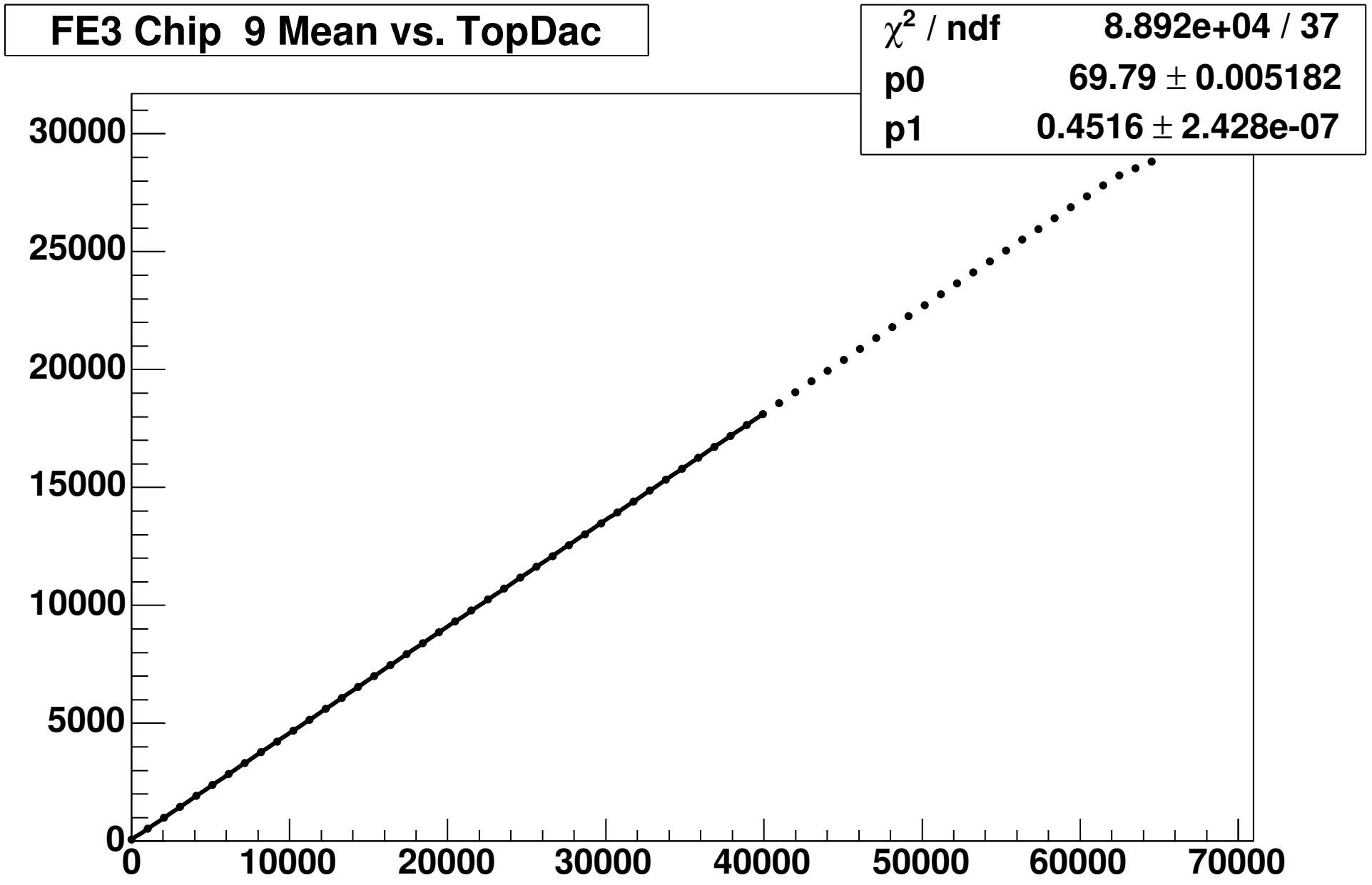
FE3 Chip 9 Mean vs. TopDac
χ² / ndf 8.892e+04 / 37
p0 69.79 ± 0.005182
p1 0.4516 ± 2.428e-07
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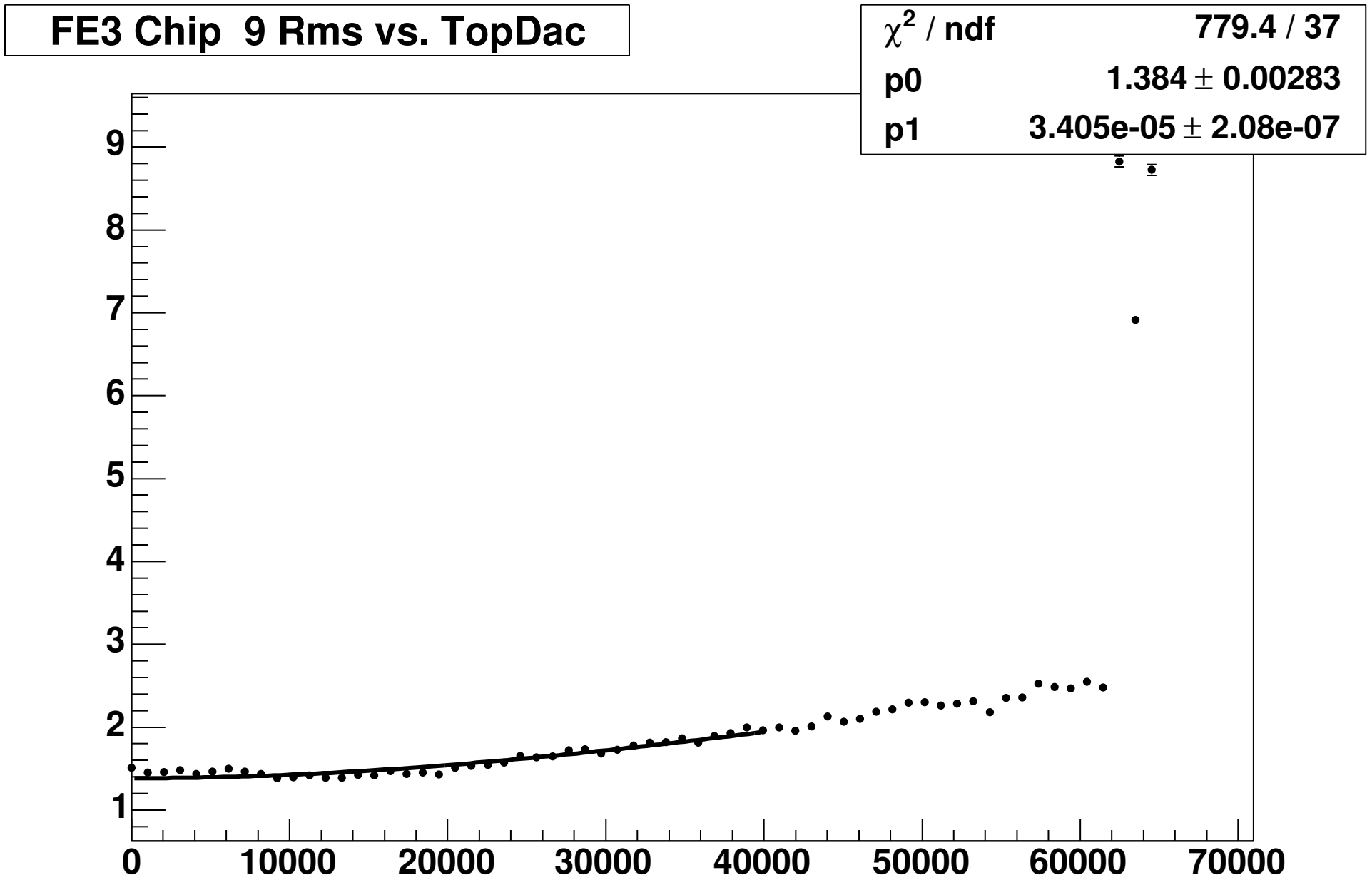
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 779.4 / 37
p0 1.384 ± 0.00283
p1 3.405e-05 ± 2.08e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
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50000
60000
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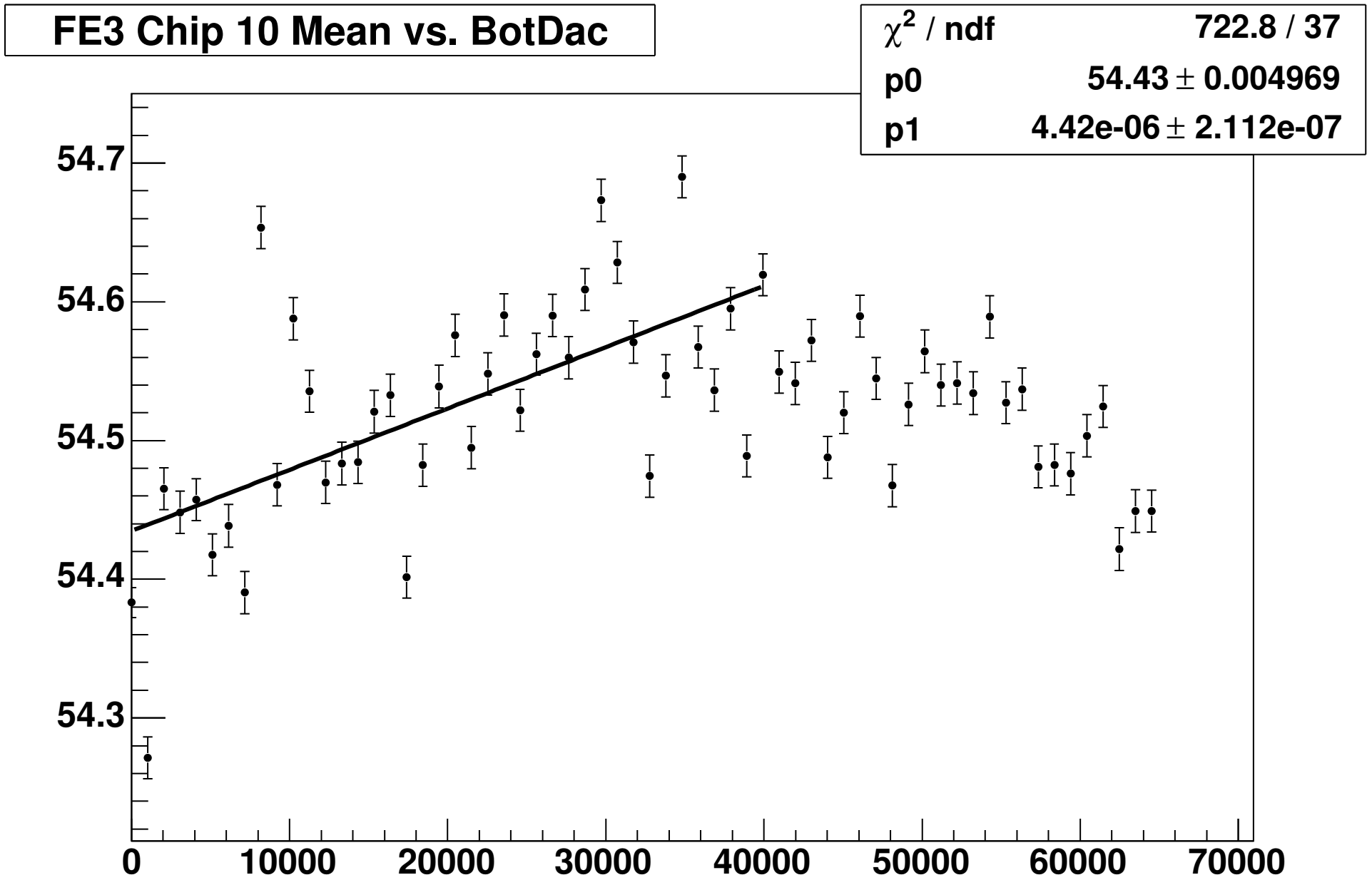
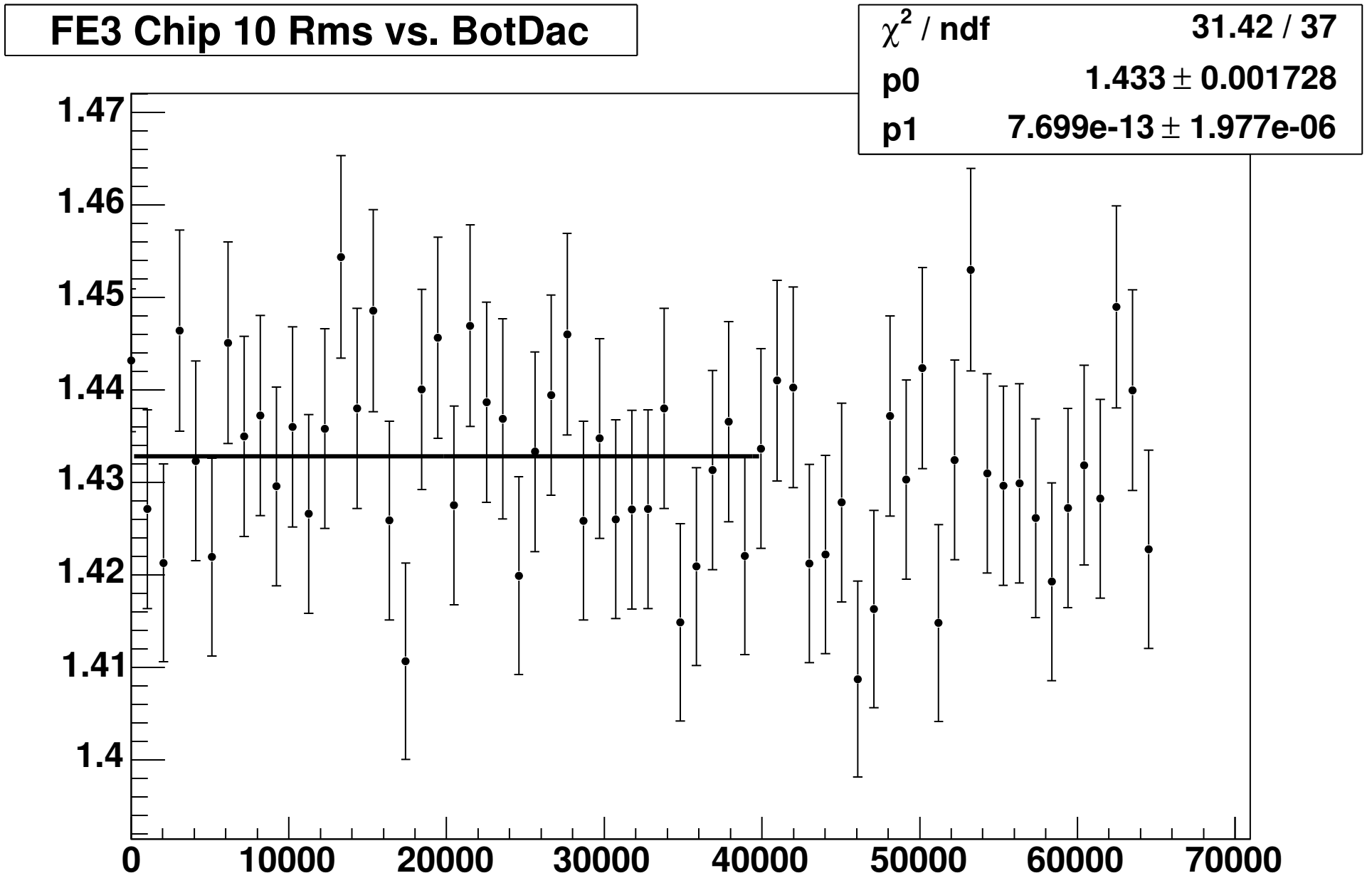
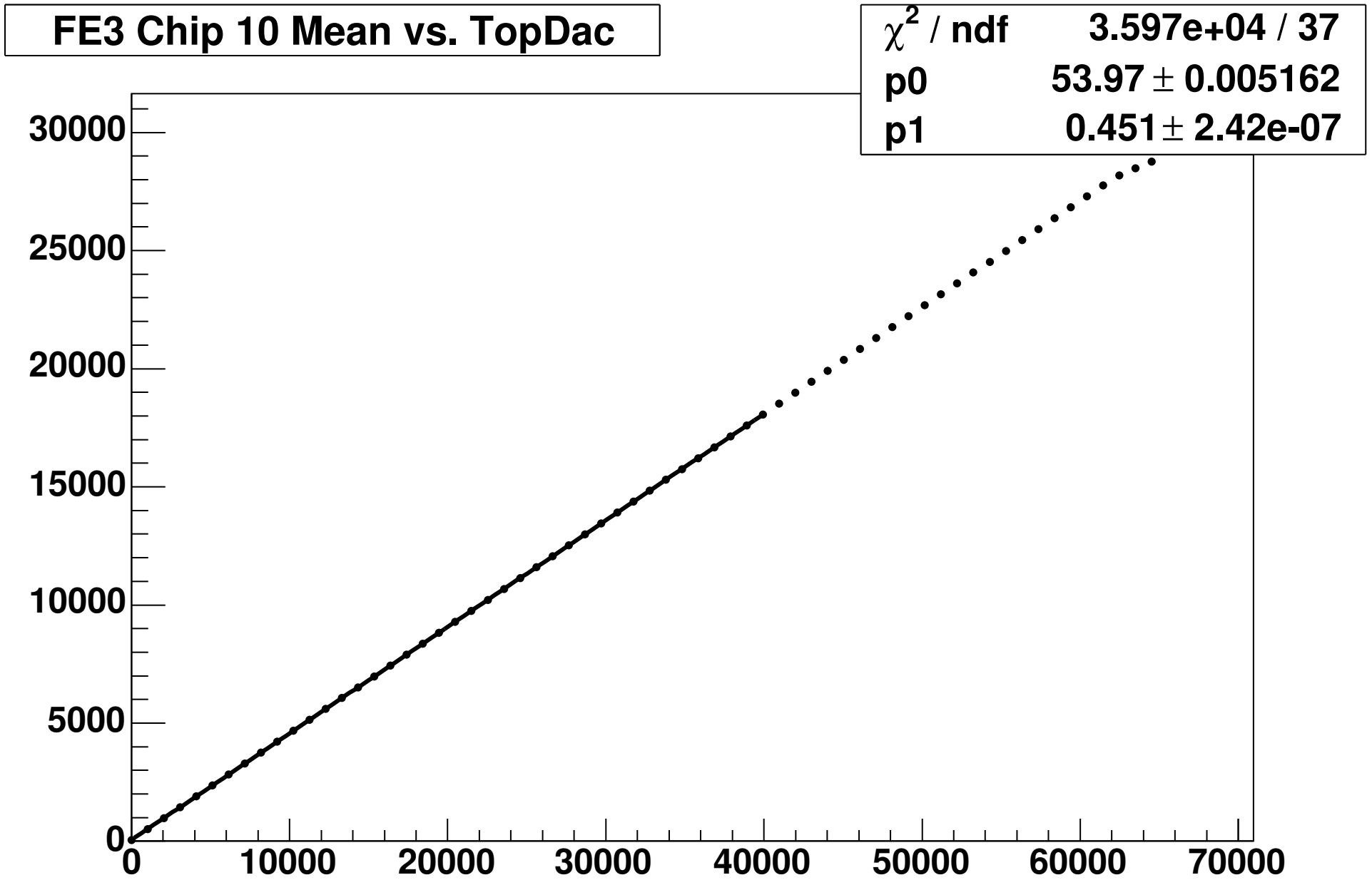

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 722.8 / 37
p0 54.43 ± 0.004969
p1 4.42e-06 ± 2.112e-07
54.7
54.6
54.5
54.4
54.3
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 31.42 / 37
p0 1.433 ± 0.001728
p1 7.699e-13 ± 1.977e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 3.597e+04 / 37
p0 53.97 ± 0.005162
p1 0.451 ± 2.42e-07
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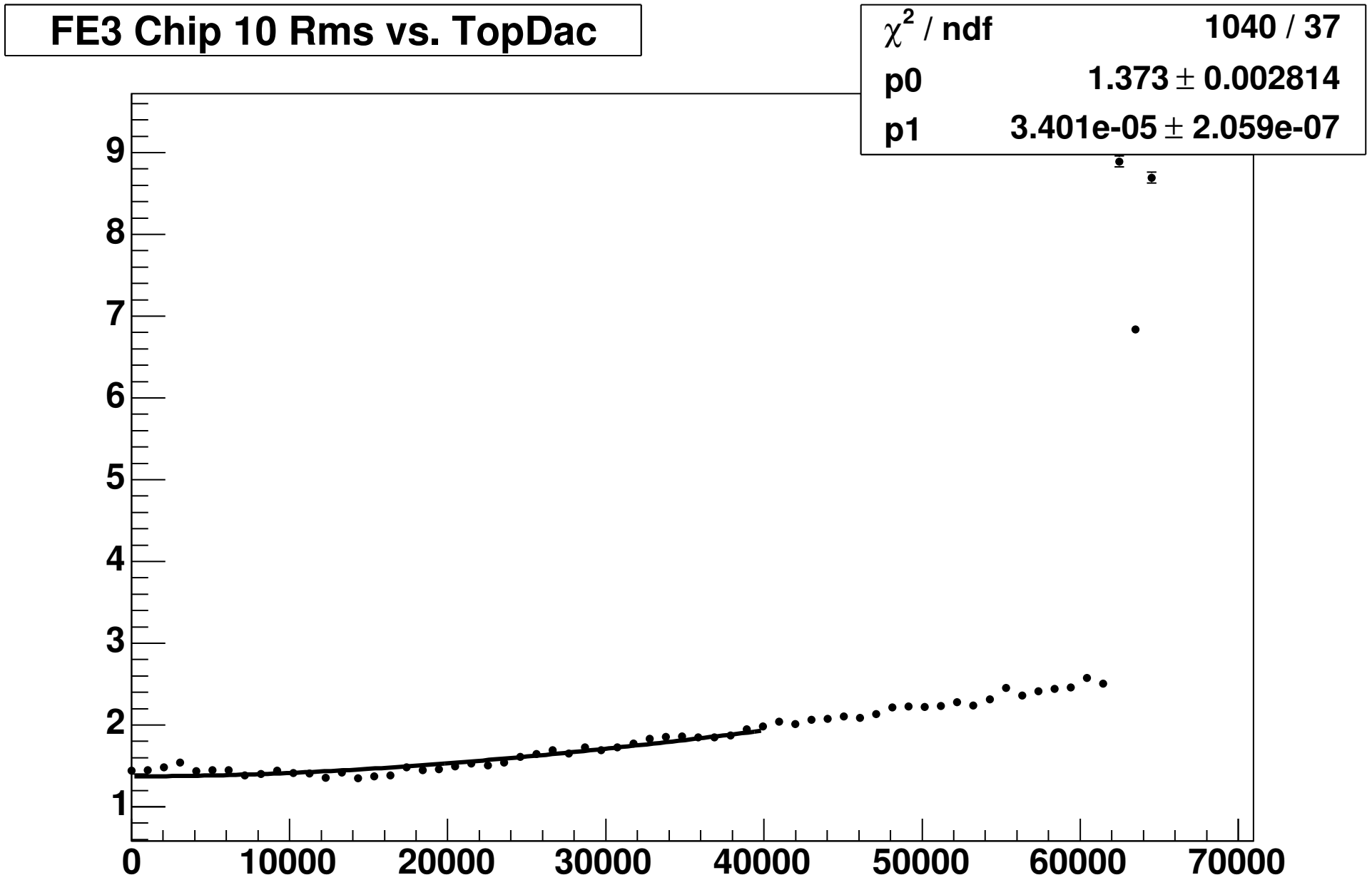
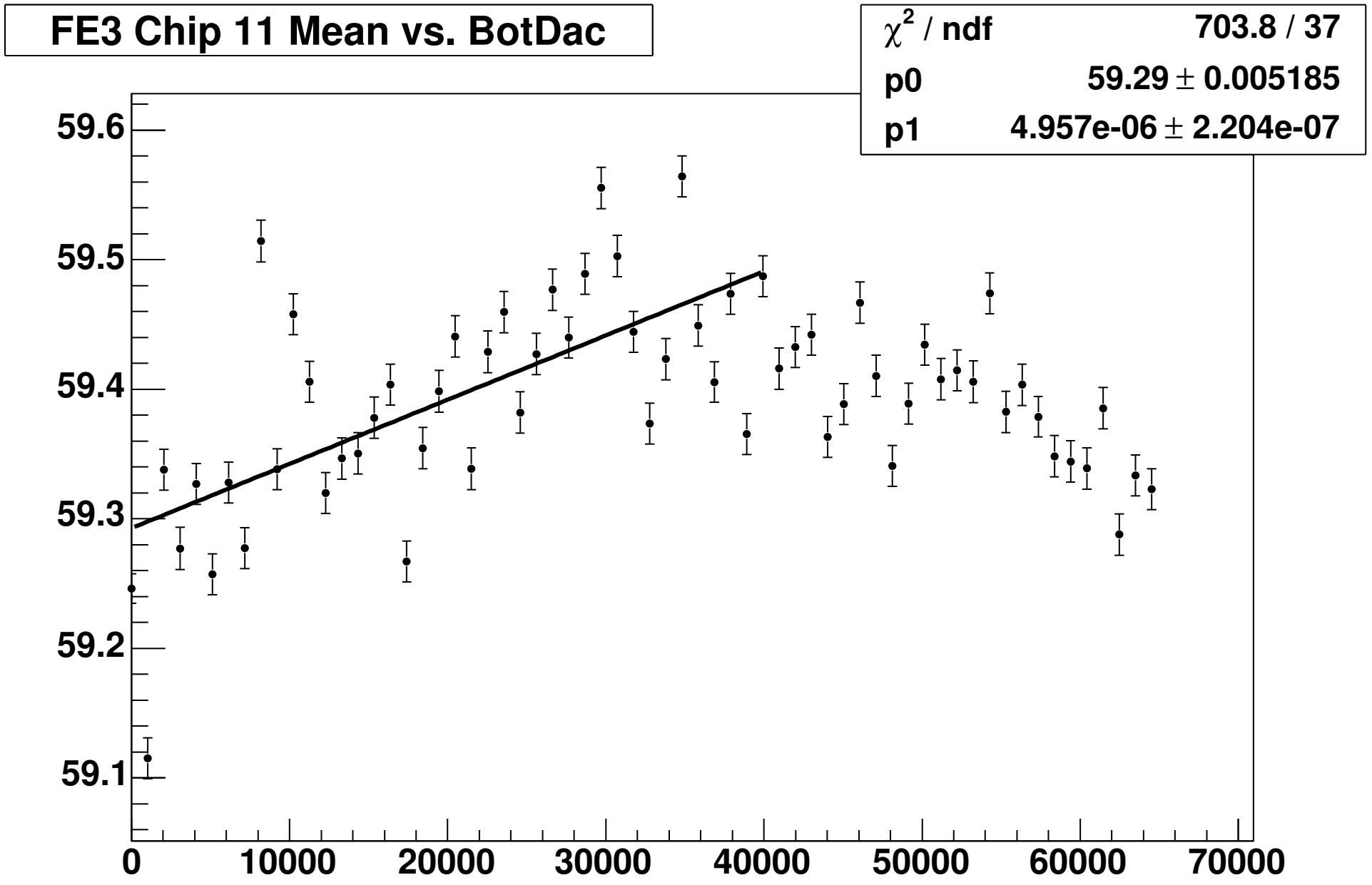
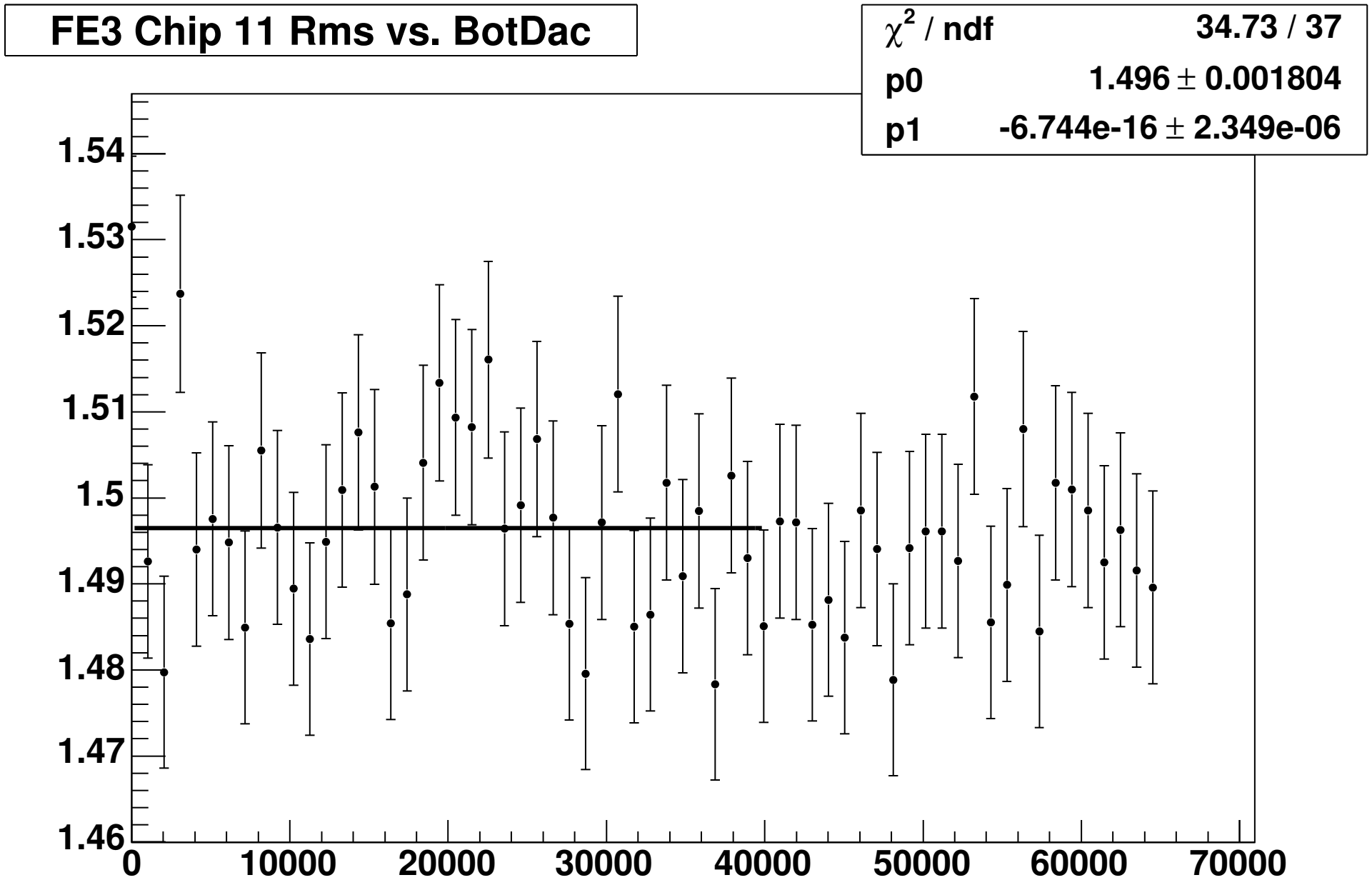
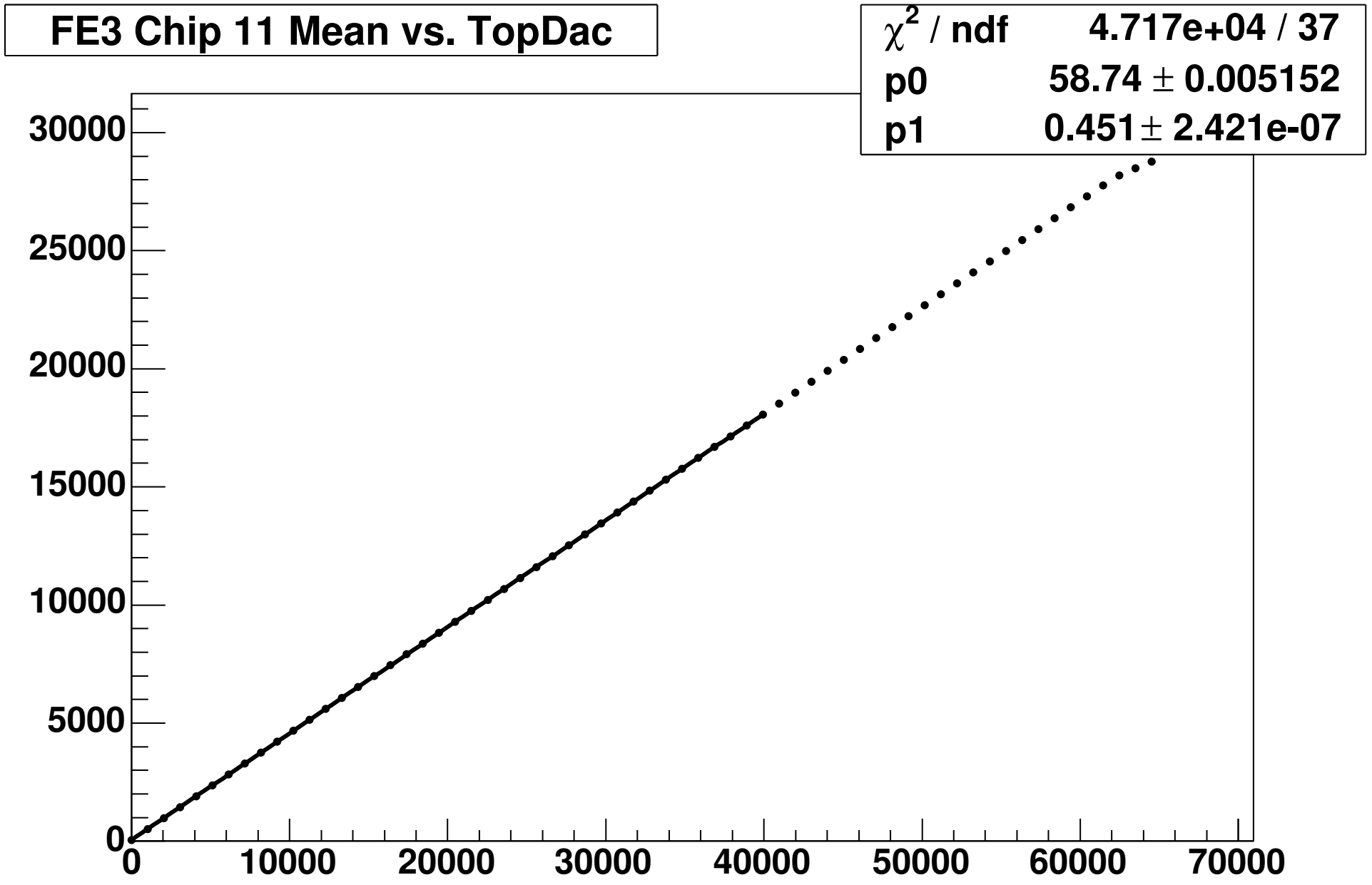
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1040 / 37
p0 1.373 ± 0.002814
p1 3.401e-05 ± 2.059e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 703.8 / 37
p0 59.29 ± 0.005185
p1 4.957e-06 ± 2.204e-07
59.6
59.5
59.4
59.3
59.2
59.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 34.73 / 37
p0 1.496 ± 0.001804
p1 -6.744e-16 ± 2.349e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 4.717e+04 / 37
p0 58.74 ± 0.005152
p1 0.451 ± 2.421e-07
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20000
15000
10000
5000
0
0
10000
20000
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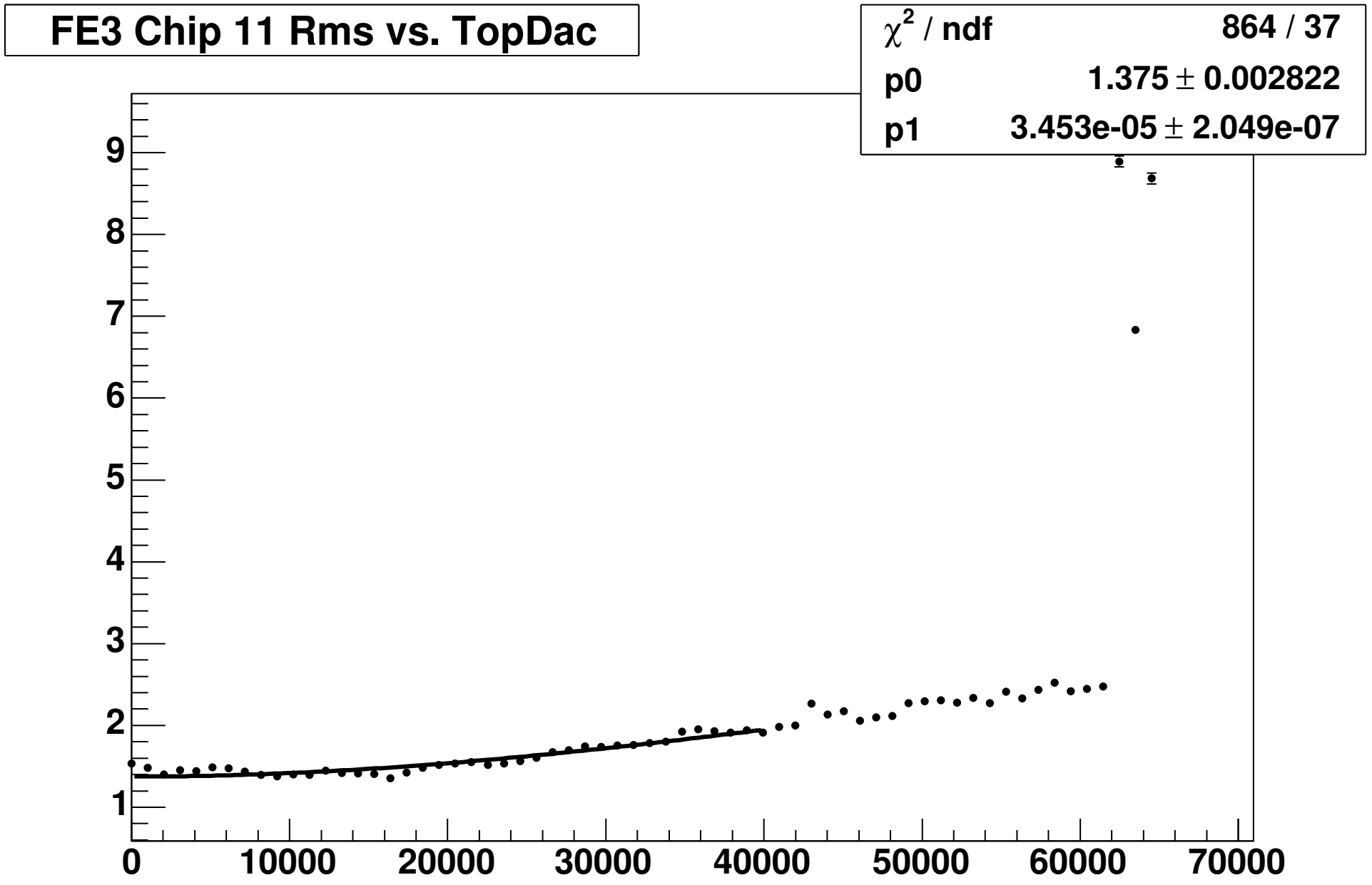
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 864 / 37
p0 1.375 ± 0.002822
p1 3.453e-05 ± 2.049e-07
9
8
7
6
5
4
3
2
1
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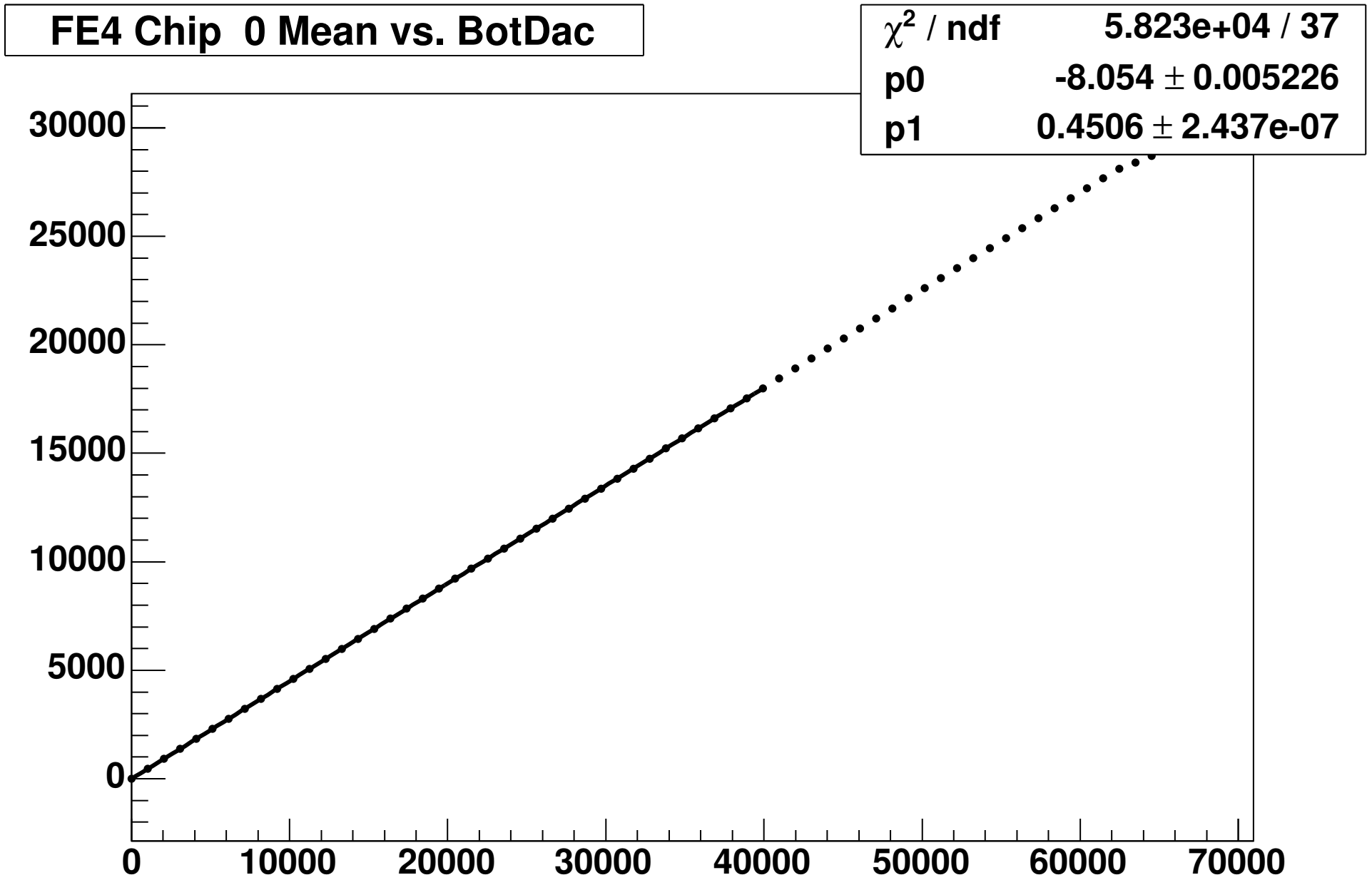
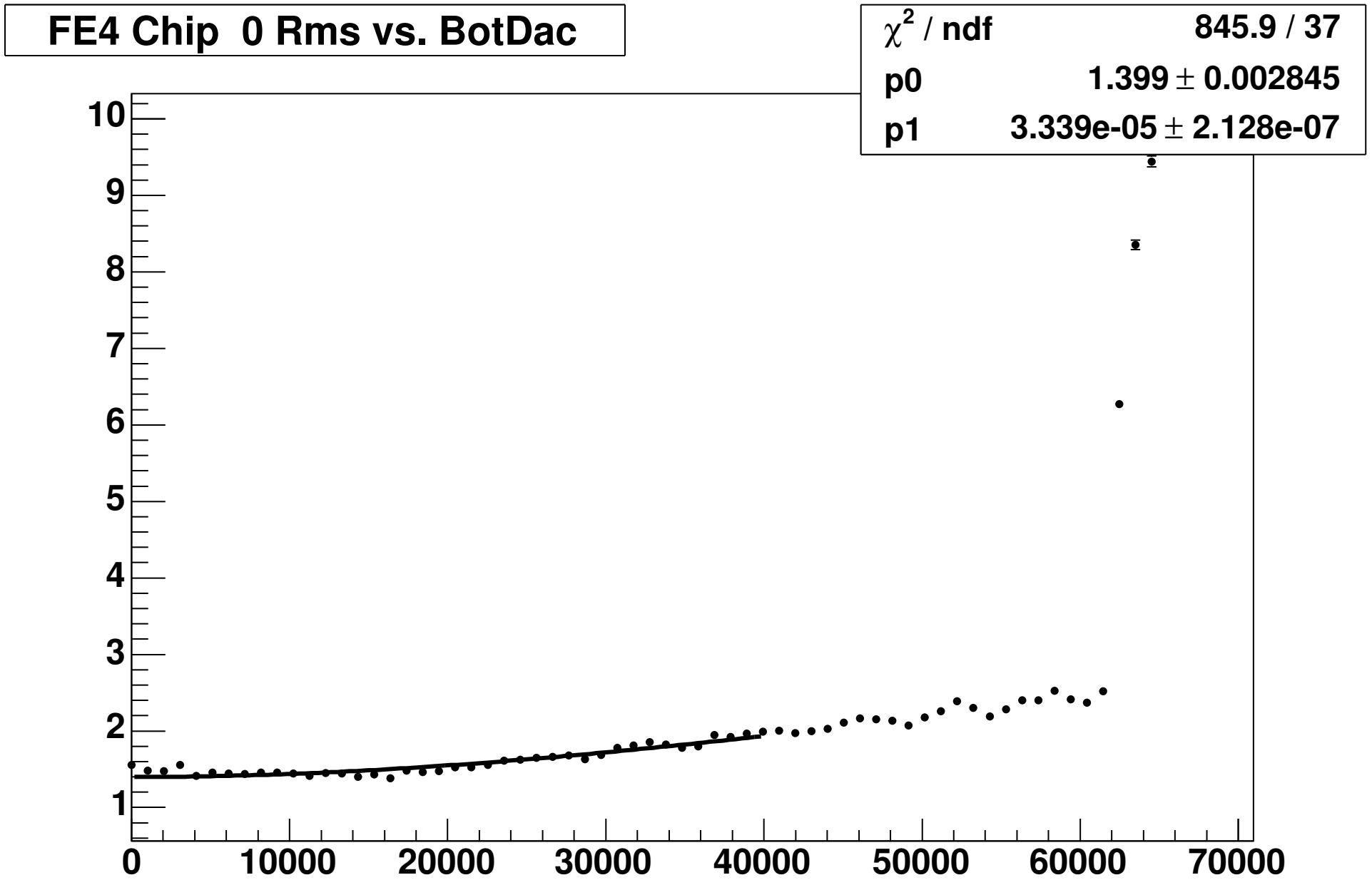
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 5.823e+04 / 37
p0 -8.054 ± 0.005226
p1 0.4506 ± 2.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 845.9 / 37
p0 1.399 ± 0.002845
p1 3.339e-05 ± 2.128e-07
10
9
8
7
6
5
4
3
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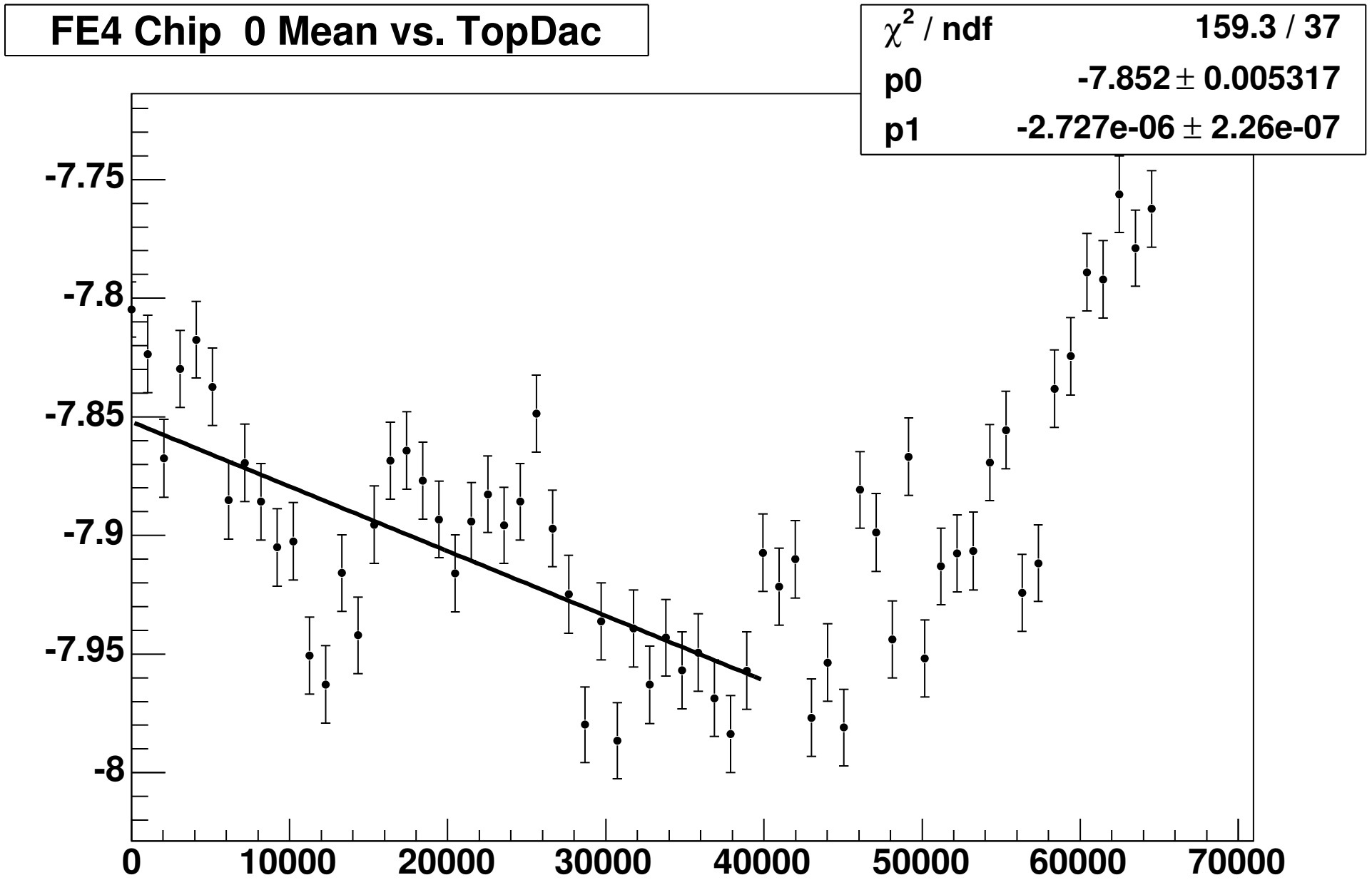
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 159.3 / 37
p0 -7.852 ± 0.005317
p1 -2.727e-06 ± 2.26e-07
-7.75
-7.8
-7.85
-7.9
-7.95
-8
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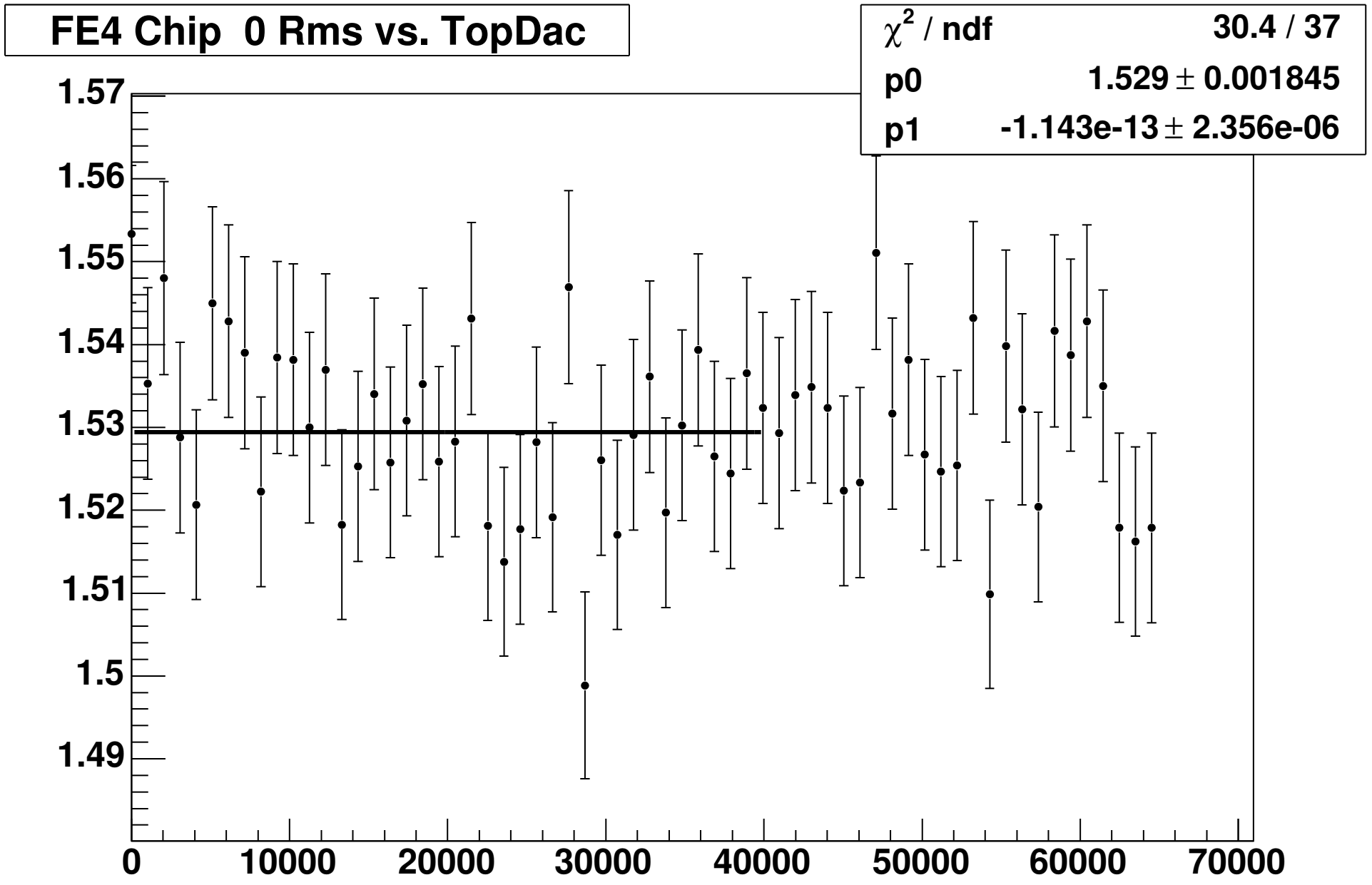
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 30.4 / 37
p0 1.529 ± 0.001845
p1 -1.143e-13 ± 2.356e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
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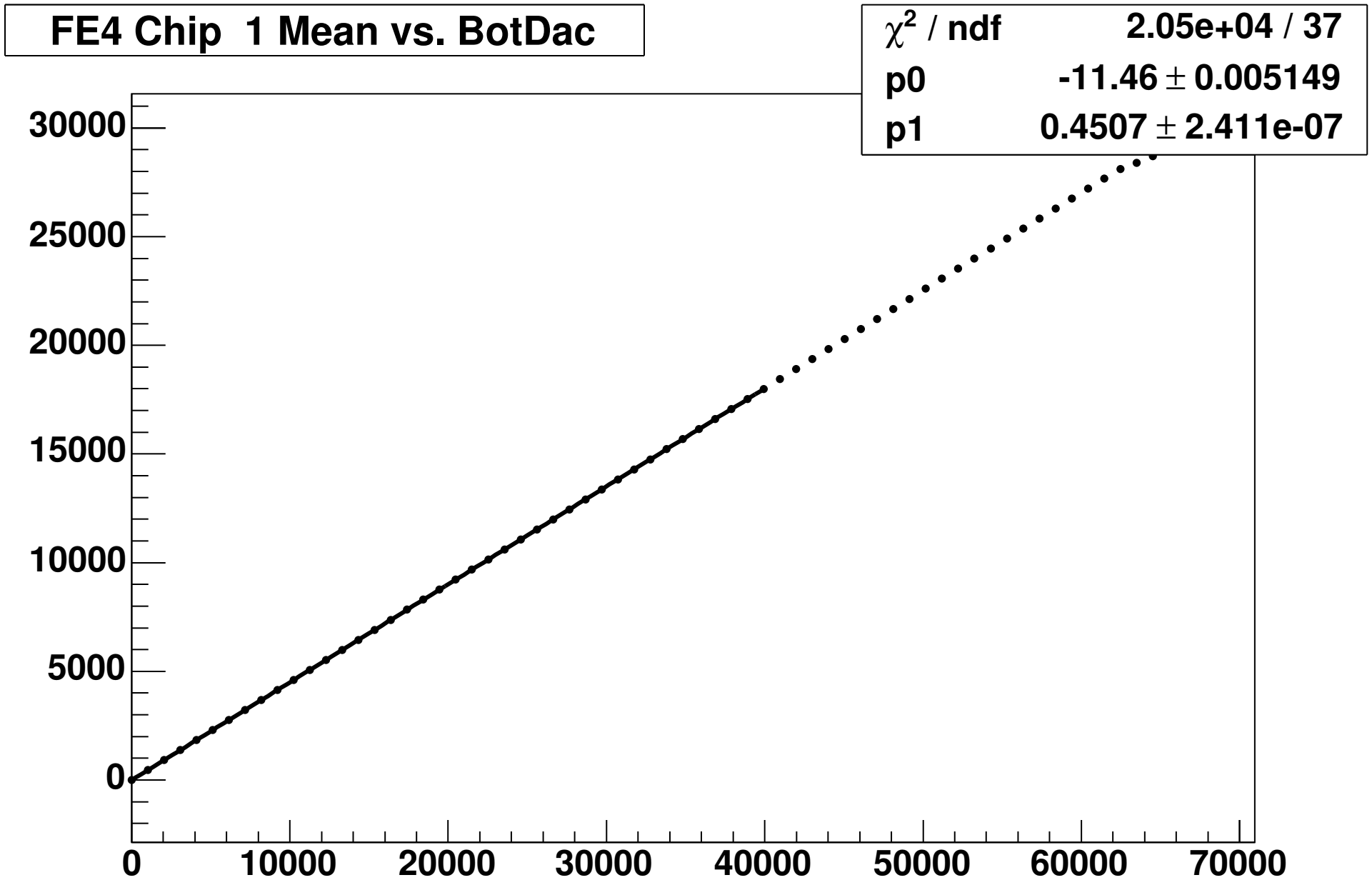
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 2.05e+04 / 37
p0 -11.46 ± 0.005149
p1 0.4507 ± 2.411e-07
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20000
15000
10000
5000
0
0
10000
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30000
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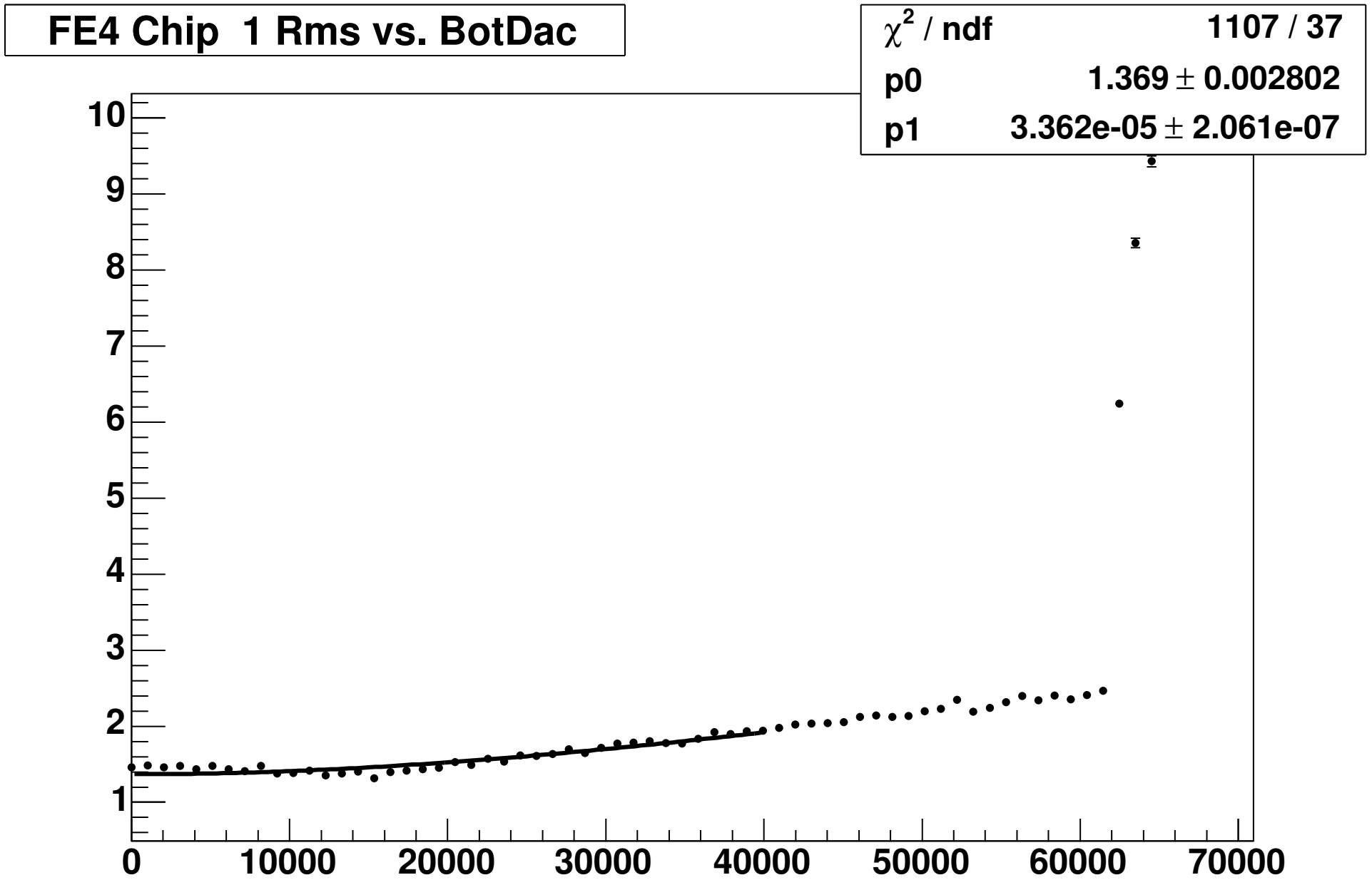
FE4 Chip 1 Rms vs. BotDac
χ² / ndf 1107 / 37
p0 1.369 ± 0.002802
p1 3.362e-05 ± 2.061e-07
10
9
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5
4
3
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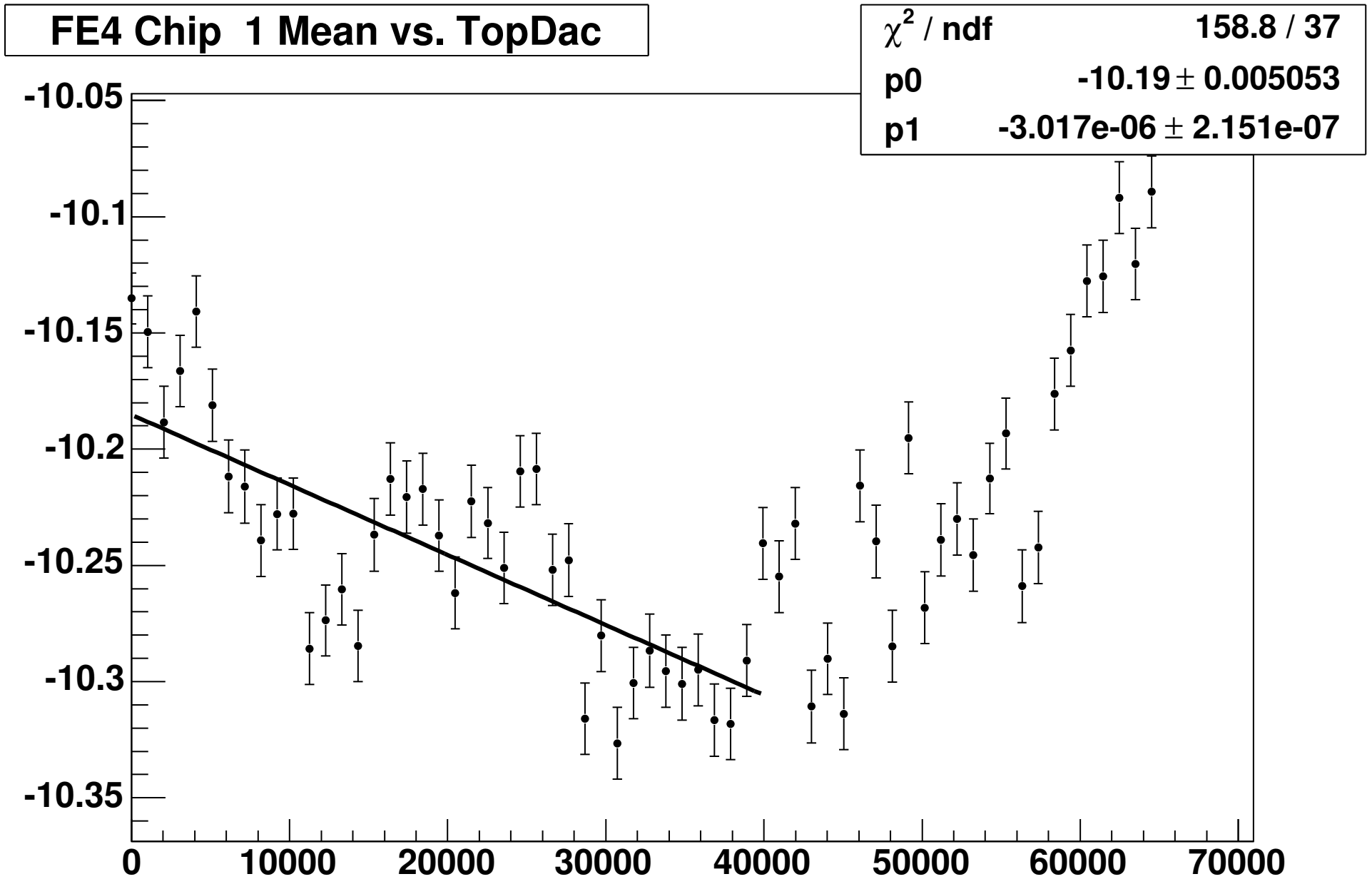
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 158.8 / 37
p0 -10.19 ± 0.005053
p1 -3.017e-06 ± 2.151e-07
-10.05
-10.1
-10.15
-10.2
-10.25
-10.3
-10.35
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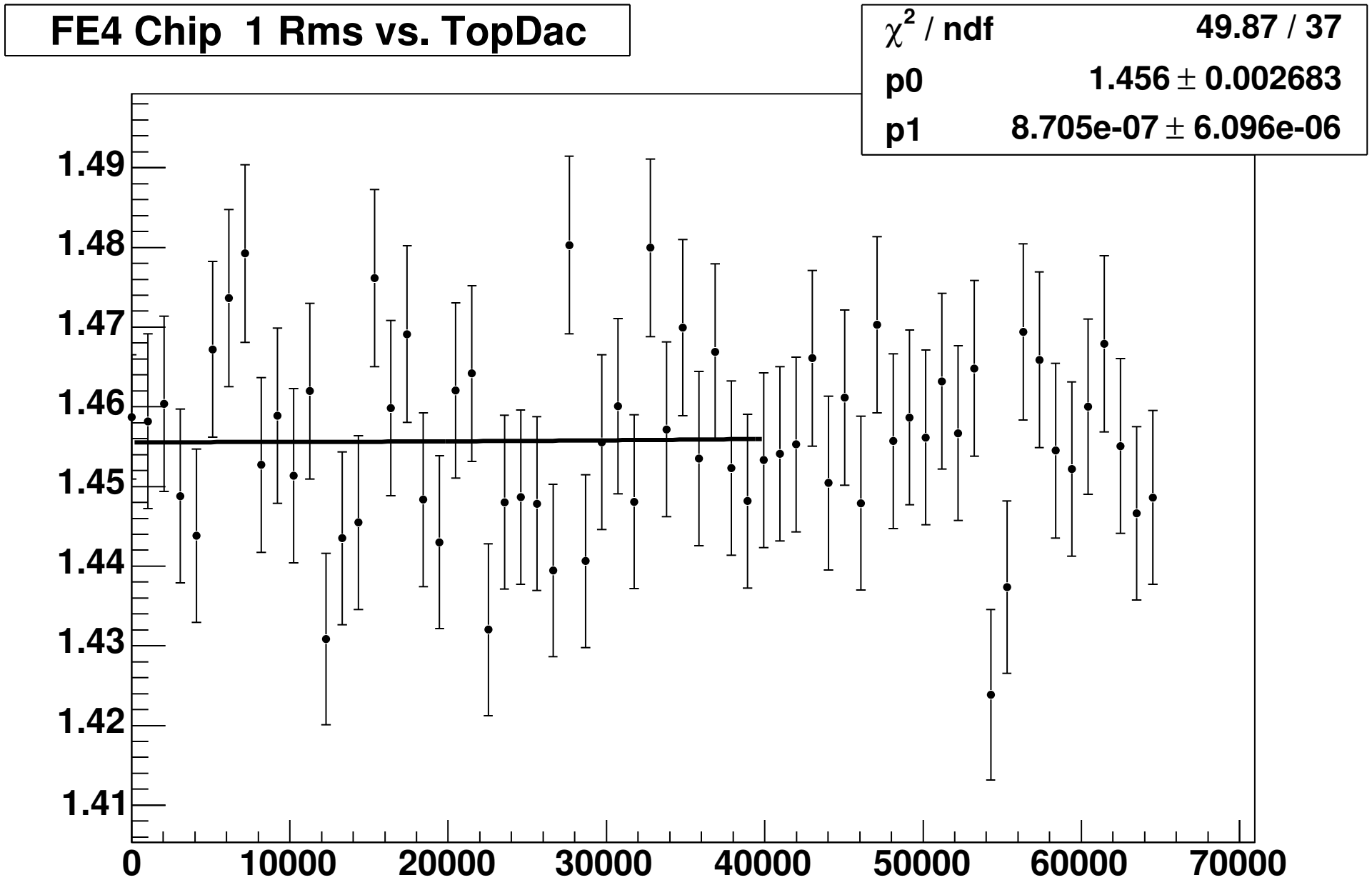
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 49.87 / 37
p0 1.456 ± 0.002683
p1 8.705e-07 ± 6.096e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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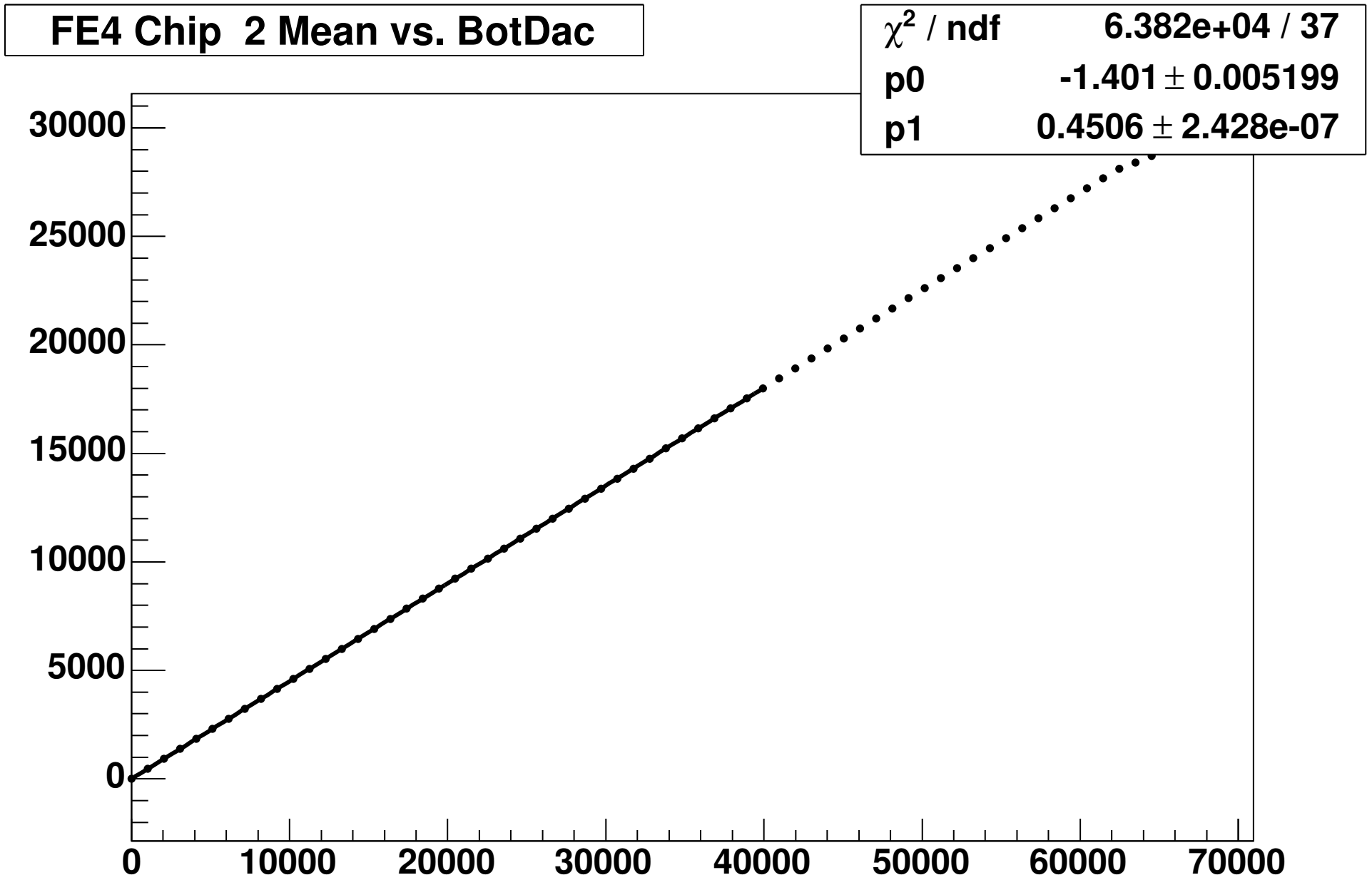
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 6.382e+04 / 37
p0 -1.401 ± 0.005199
p1 0.4506 ± 2.428e-07
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25000
20000
15000
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5000
0
0
10000
20000
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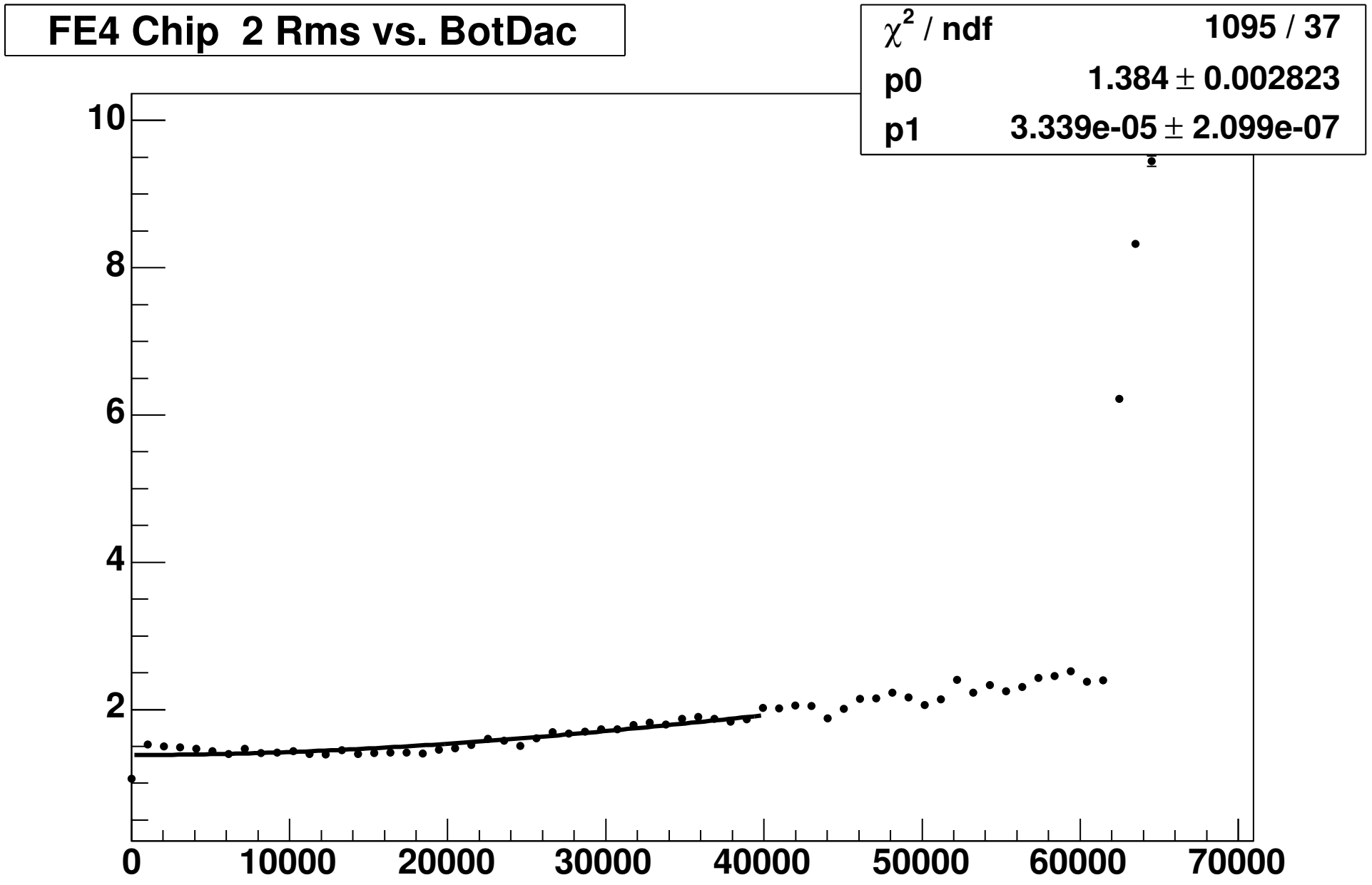
FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1095 / 37
p0 1.384 ± 0.002823
p1 3.339e-05 ± 2.099e-07
10
8
6
4
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10000
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30000
40000
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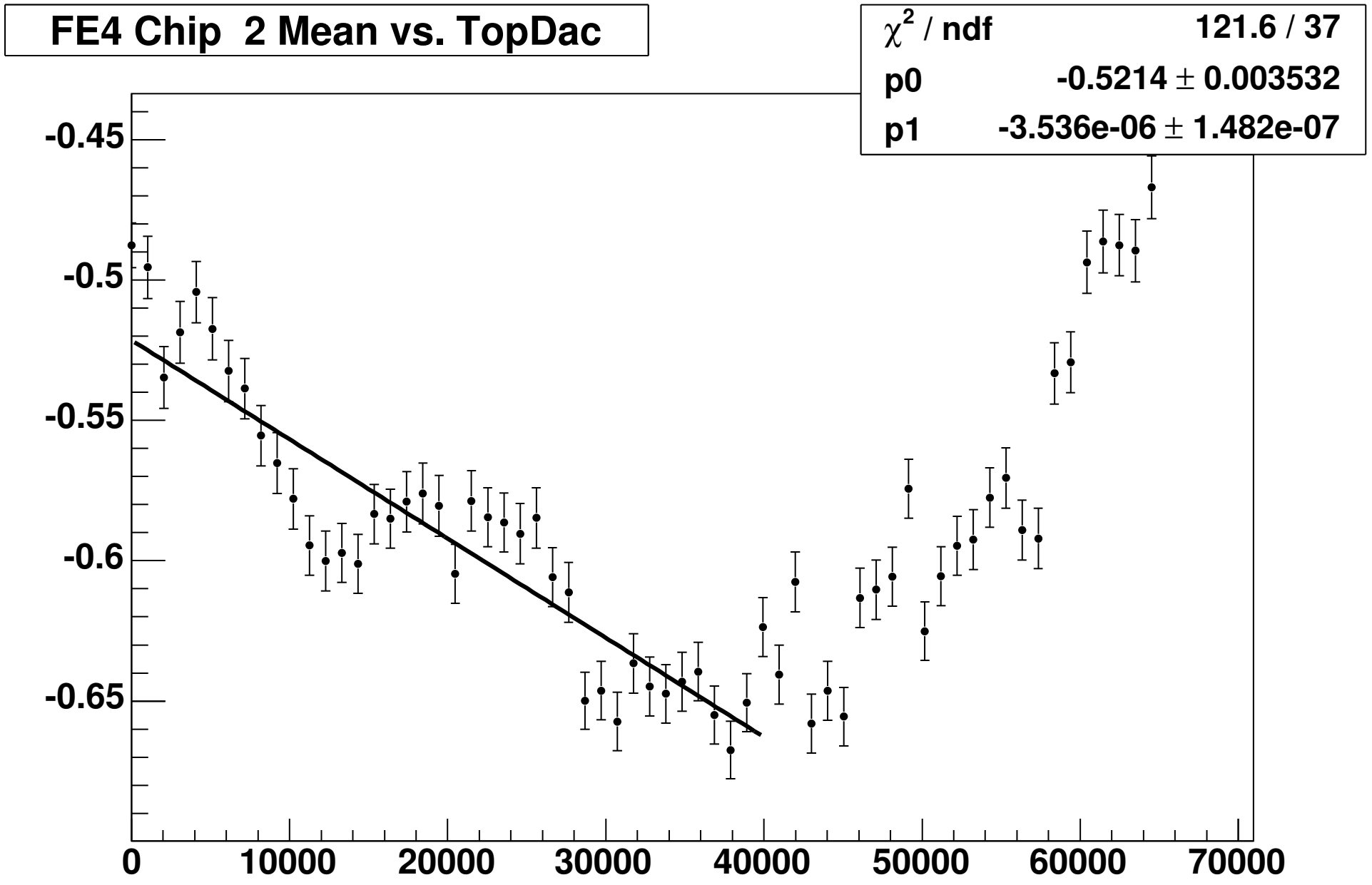
60000
70000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 121.6 / 37
p0 -0.5214 ± 0.003532
p1 -3.536e-06 ± 1.482e-07
-0.45
-0.5
-0.55
-0.6
-0.65
0
10000
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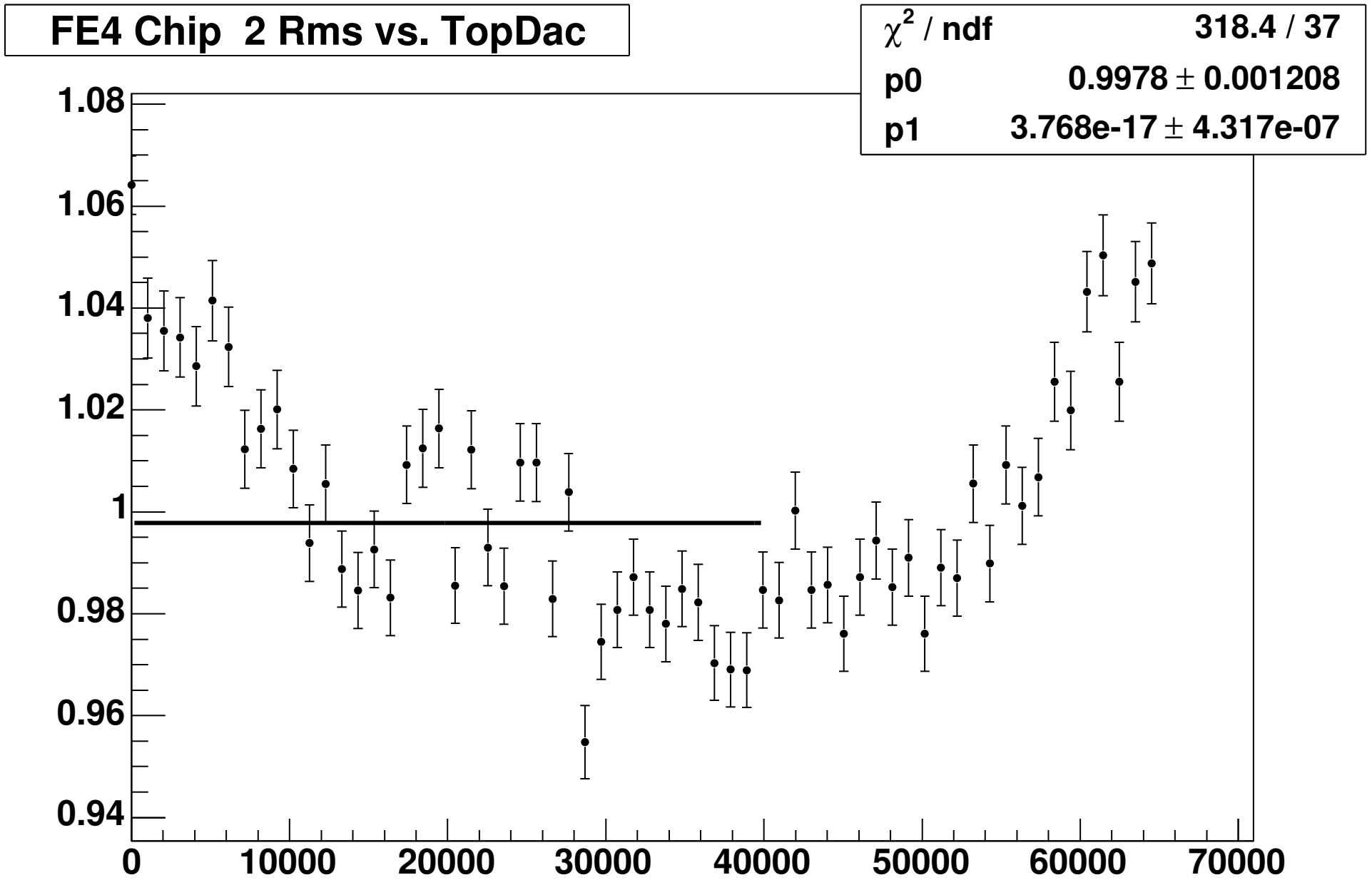
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 318.4 / 37
p0 0.9978 ± 0.001208
p1 3.768e-17 ± 4.317e-07
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
0
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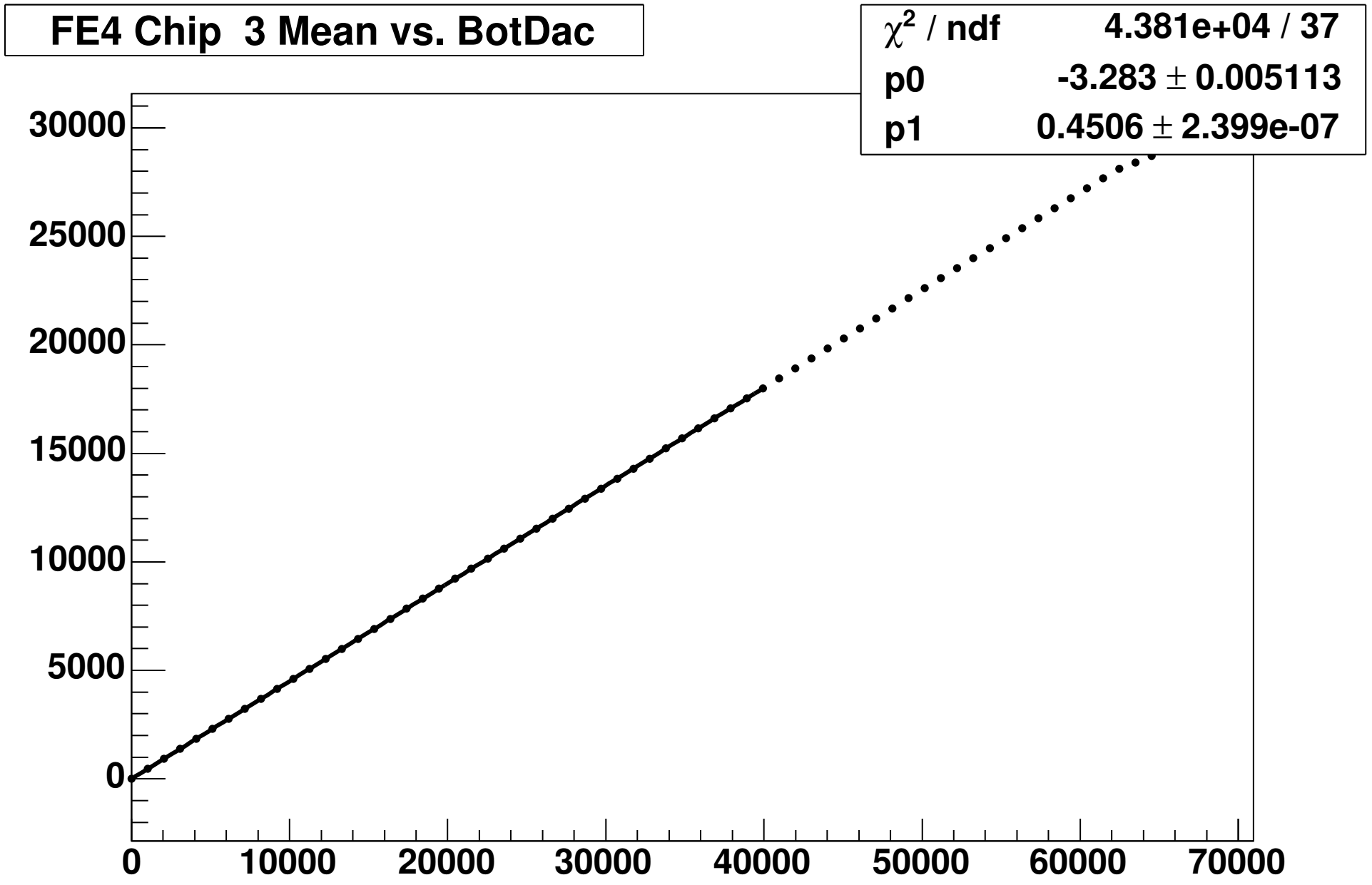
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 4.381e+04 / 37
p0 -3.283 ± 0.005113
p1 0.4506 ± 2.399e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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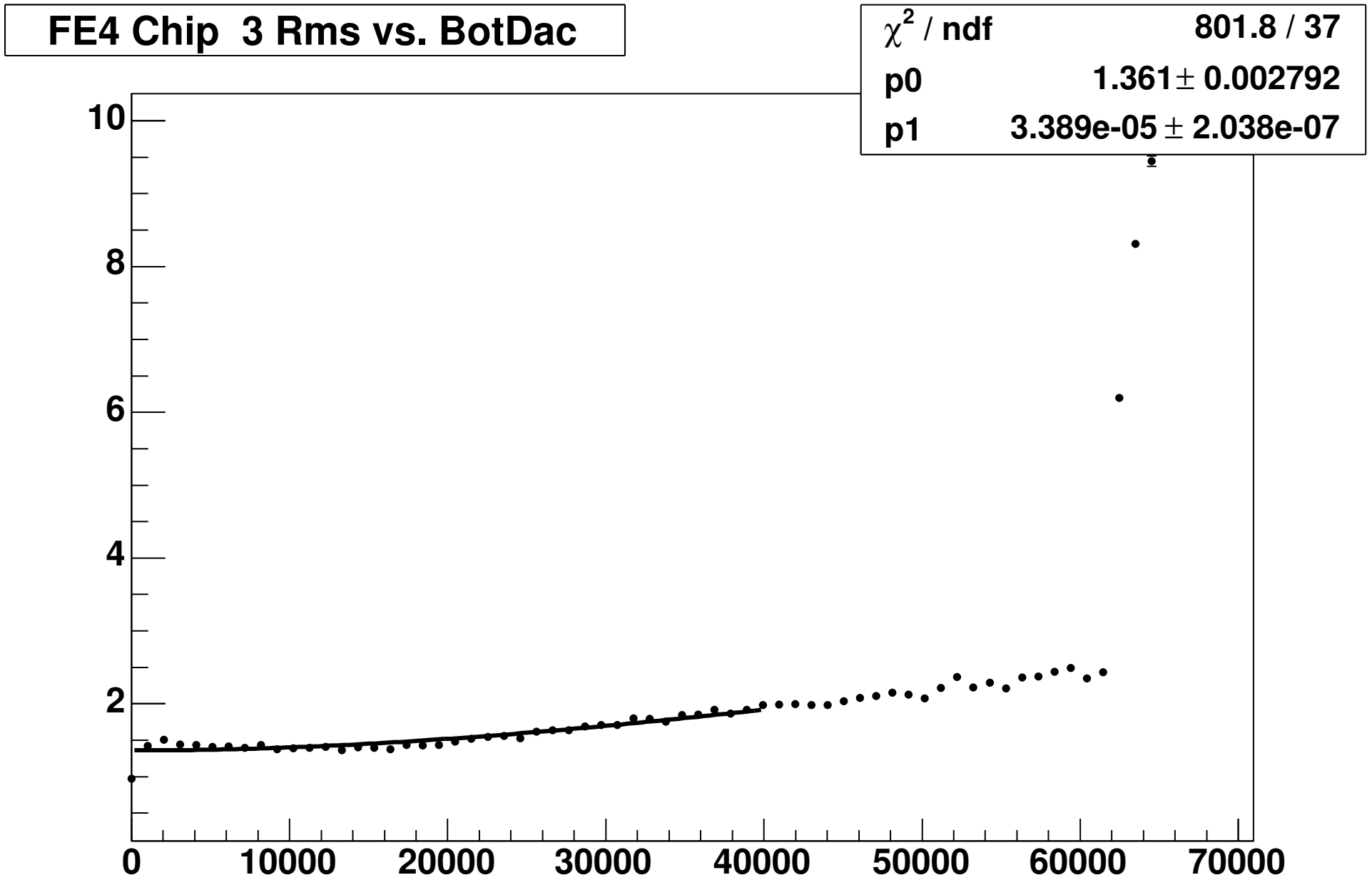
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 801.8 / 37
p0 1.361 ± 0.002792
p1 3.389e-05 ± 2.038e-07
10
8
6
4
2
0
10000
20000
30000
40000
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60000
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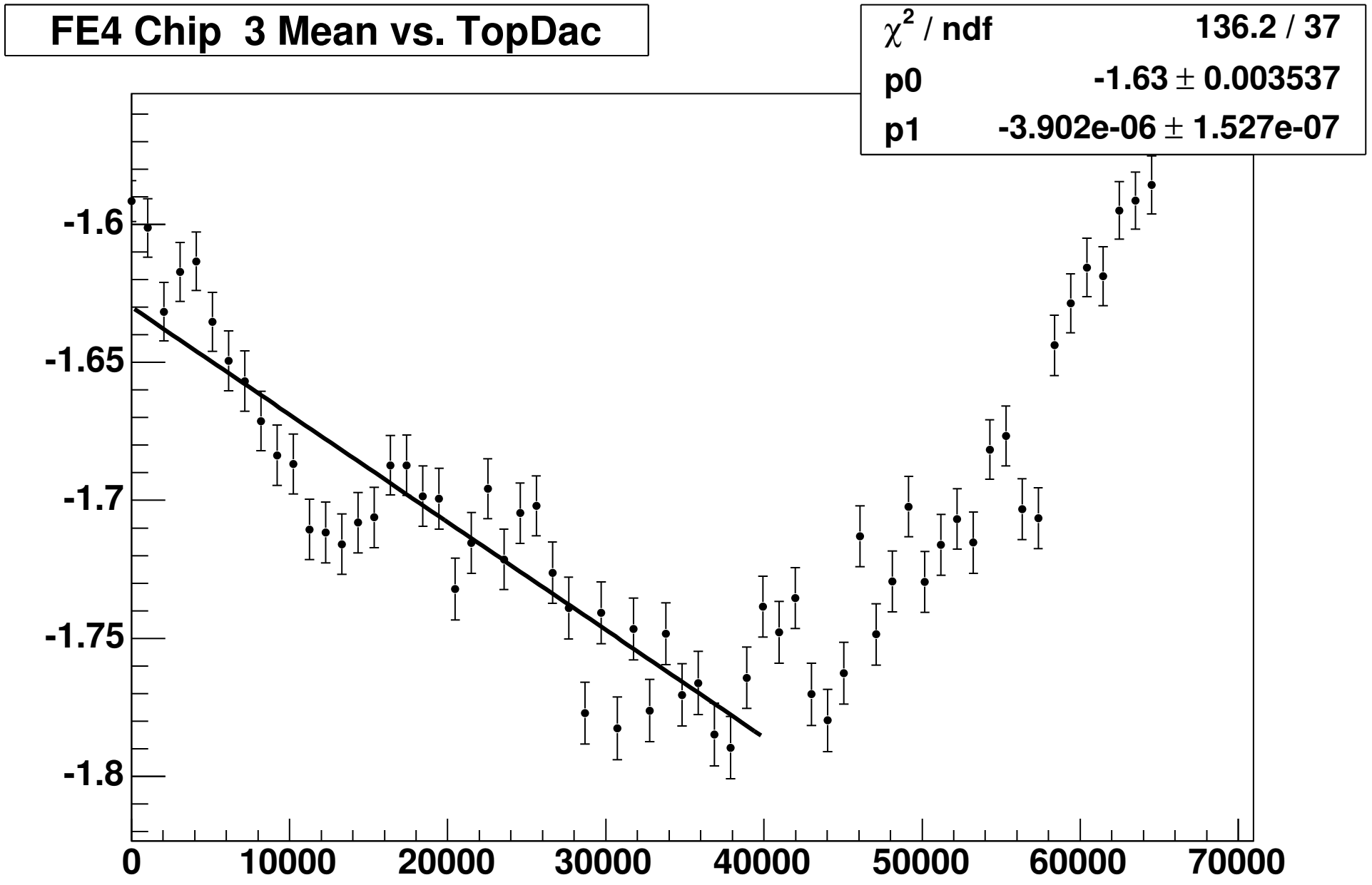
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 136.2 / 37
p0 -1.63 ± 0.003537
p1 -3.902e-06 ± 1.527e-07
-1.6
-1.65
-1.7
-1.75
-1.8
0
10000
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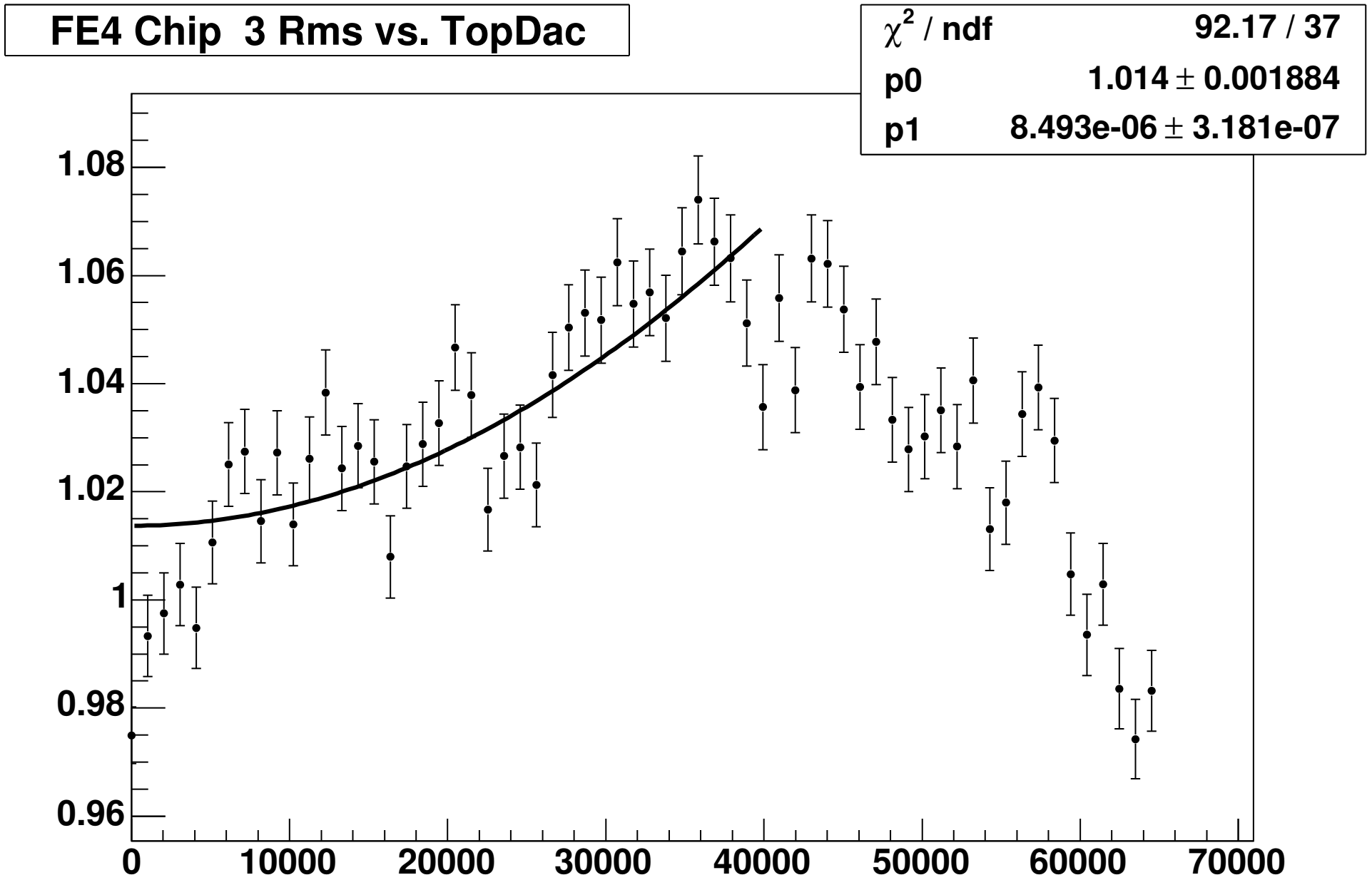
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 92.17 / 37
p0 1.014 ± 0.001884
p1 8.493e-06 ± 3.181e-07
1.08
1.06
1.04
1.02
1
0.98
0.96
0
10000
20000
30000
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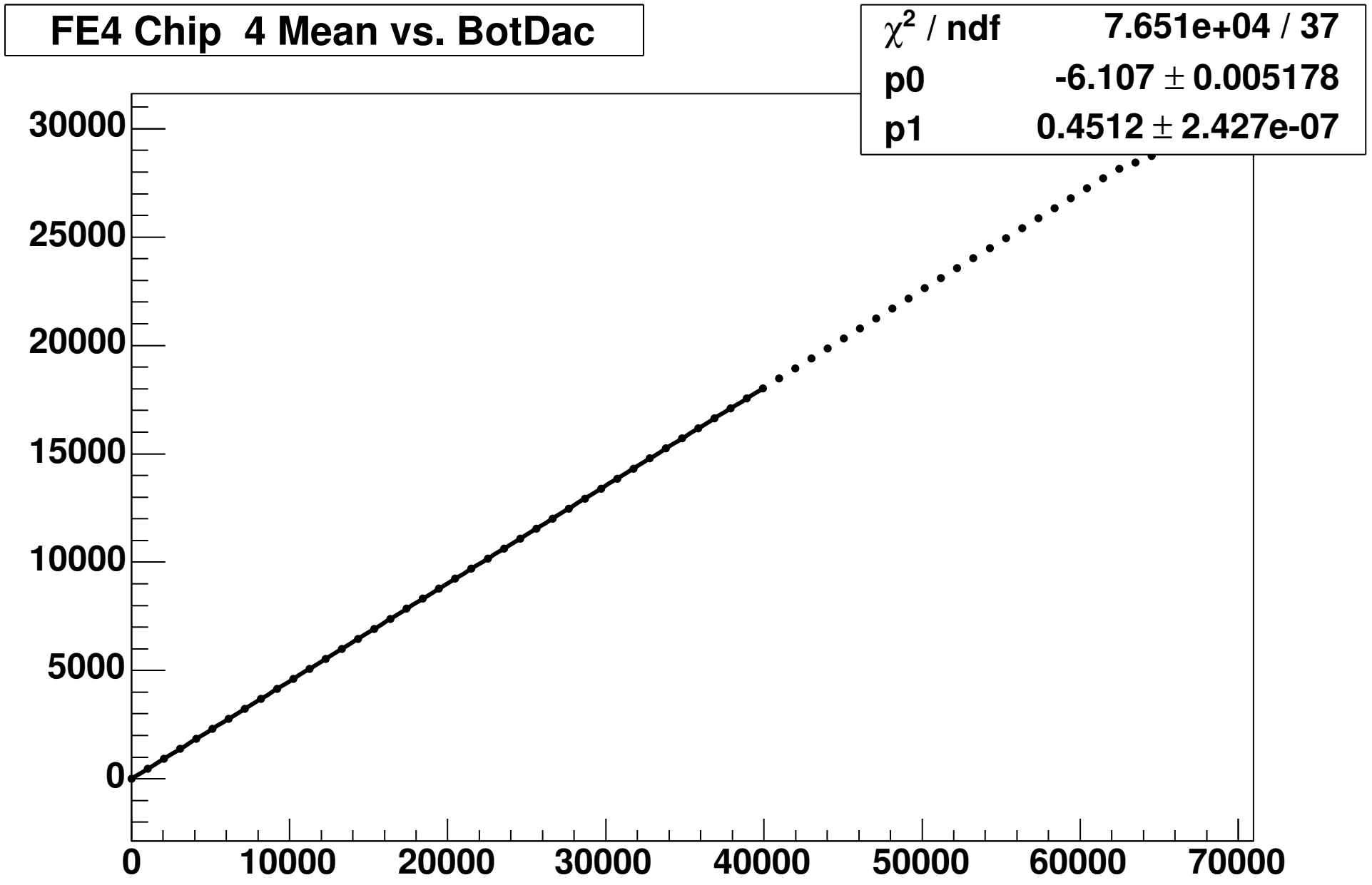
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 7.651e+04 / 37
p0 -6.107 ± 0.005178
p1 0.4512 ± 2.427e-07
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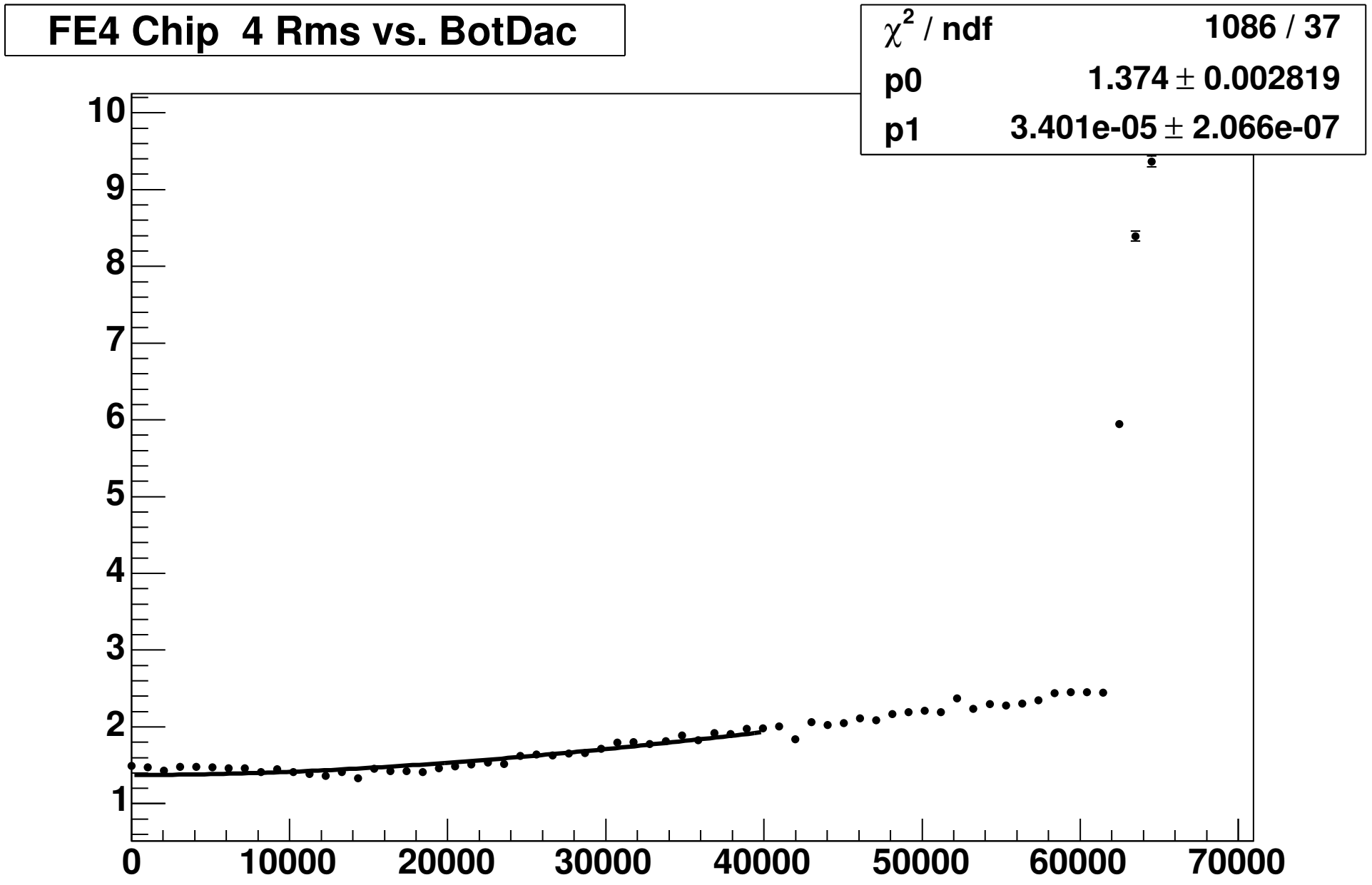
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 1086 / 37
p0 1.374 ± 0.002819
p1 3.401e-05 ± 2.066e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
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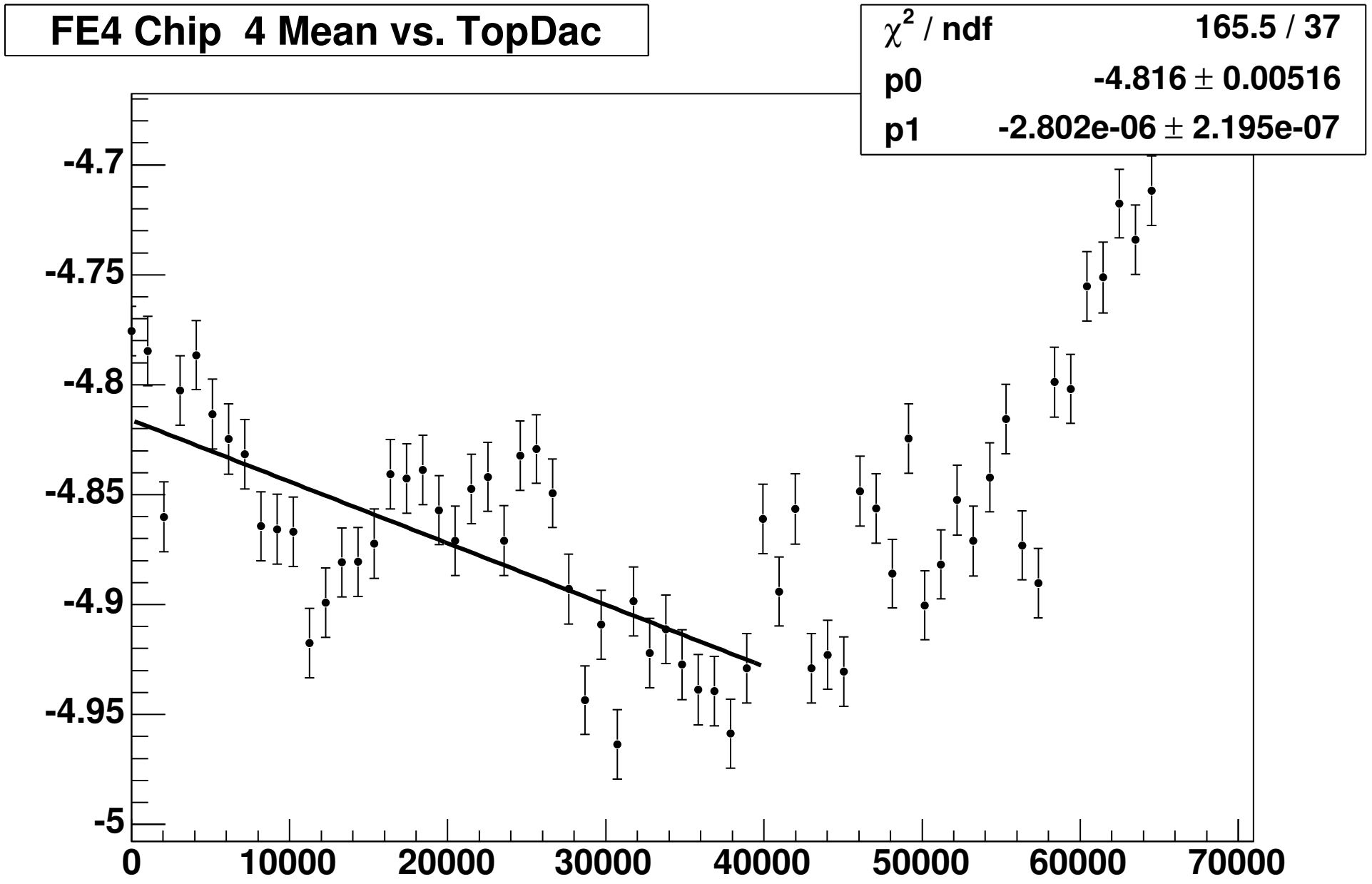
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 165.5 / 37
p0 -4.816 ± 0.00516
p1 -2.802e-06 ± 2.195e-07
-4.7
-4.75
-4.8
-4.85
-4.9
-4.95
-5
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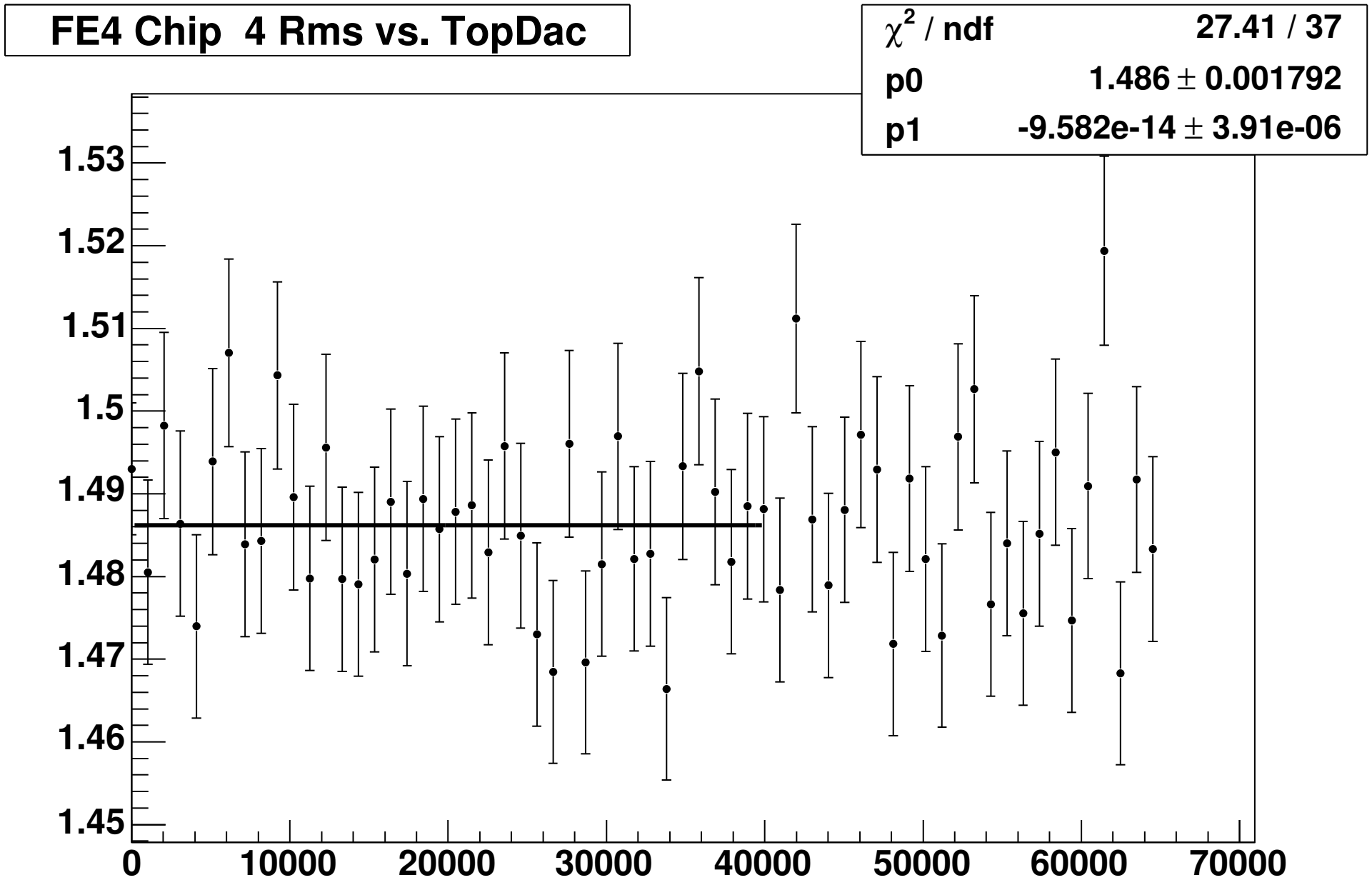
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 27.41 / 37
p0 1.486 ± 0.001792
p1 -9.582e-14 ± 3.91e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
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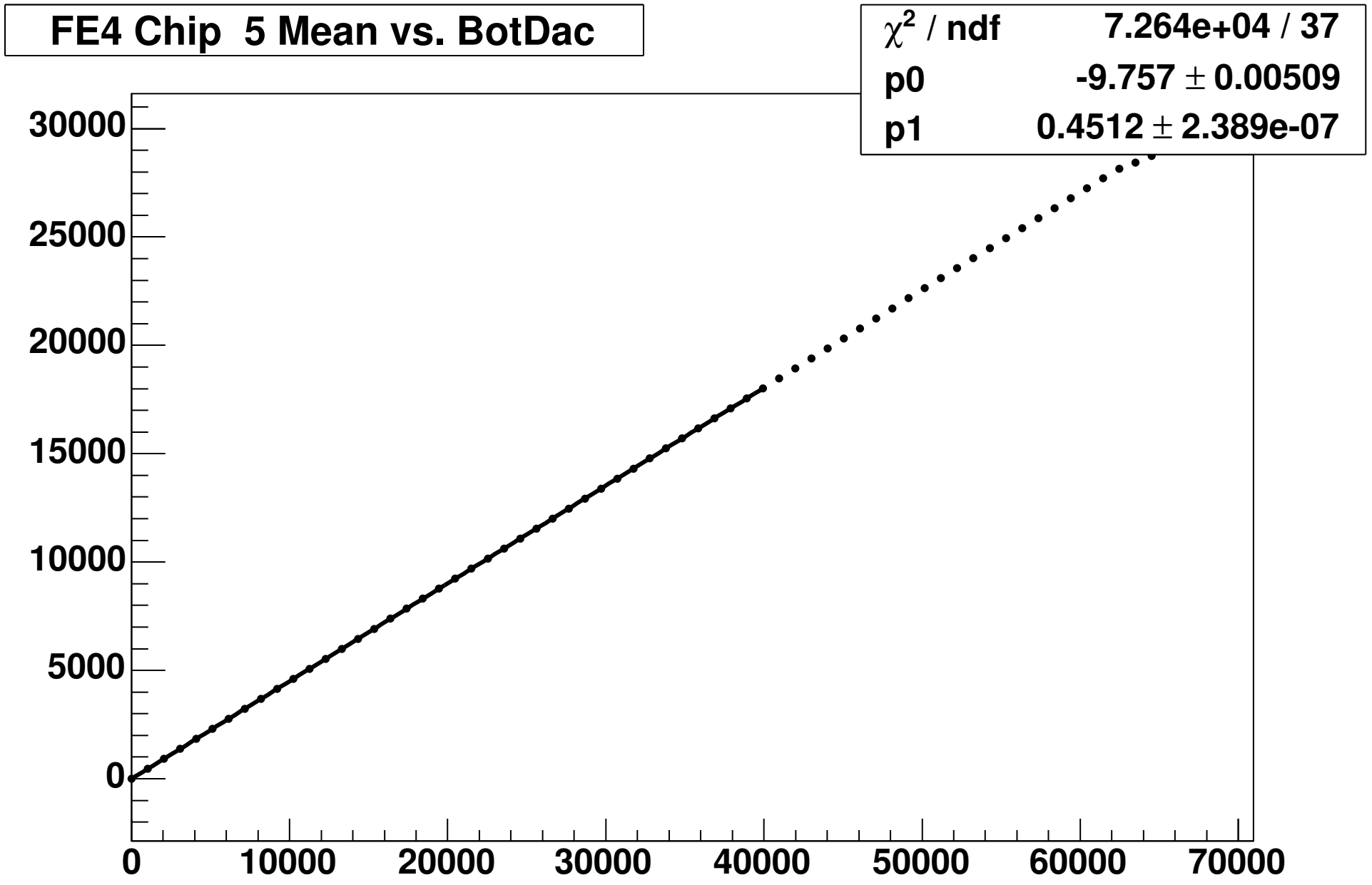
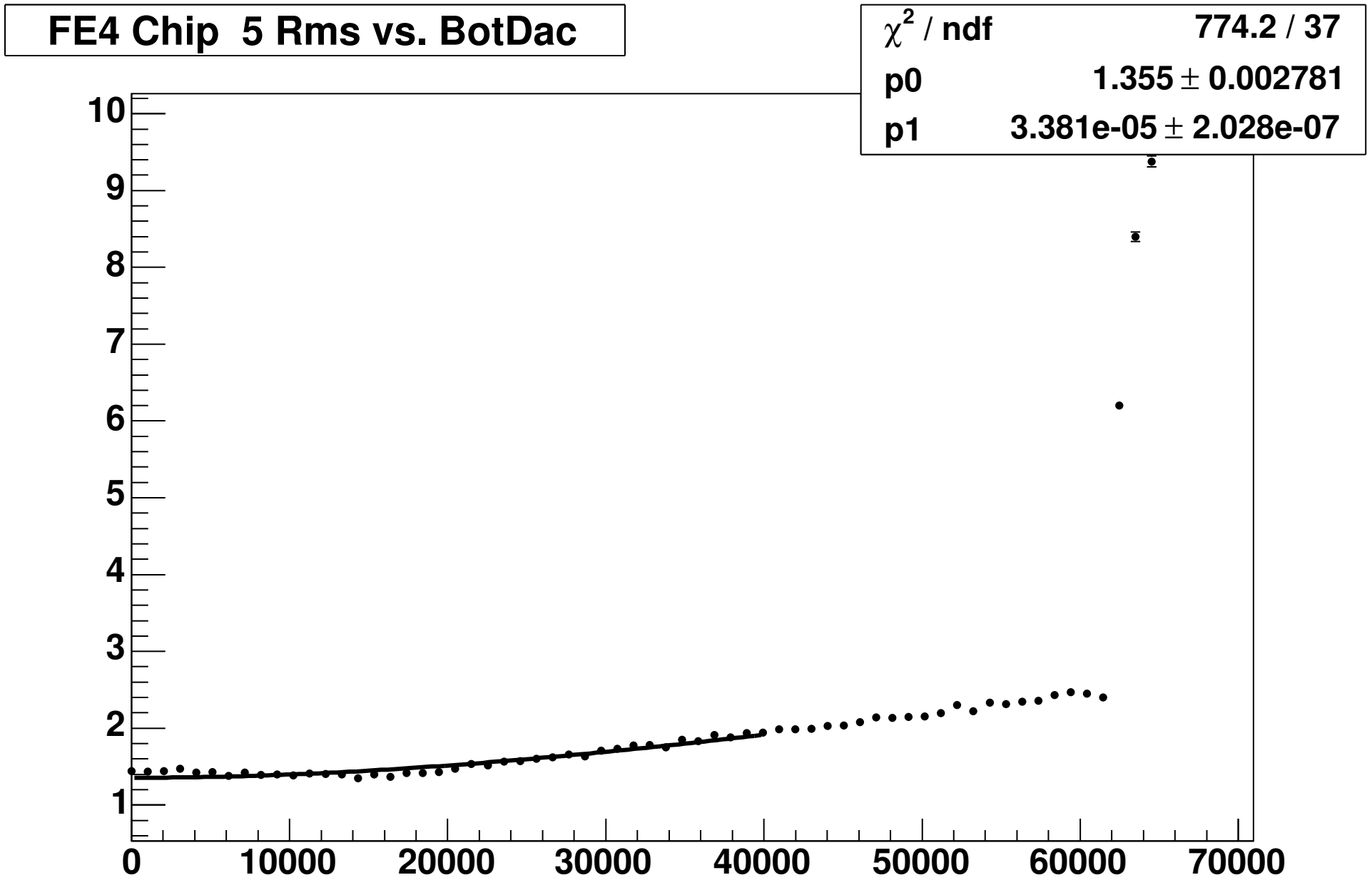

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 7.264e+04 / 37
p0 -9.757 ± 0.00509
p1 0.4512 ± 2.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 774.2 / 37
p0 1.355 ± 0.002781
p1 3.381e-05 ± 2.028e-07
10
9
8
7
6
5
4
3
2
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0
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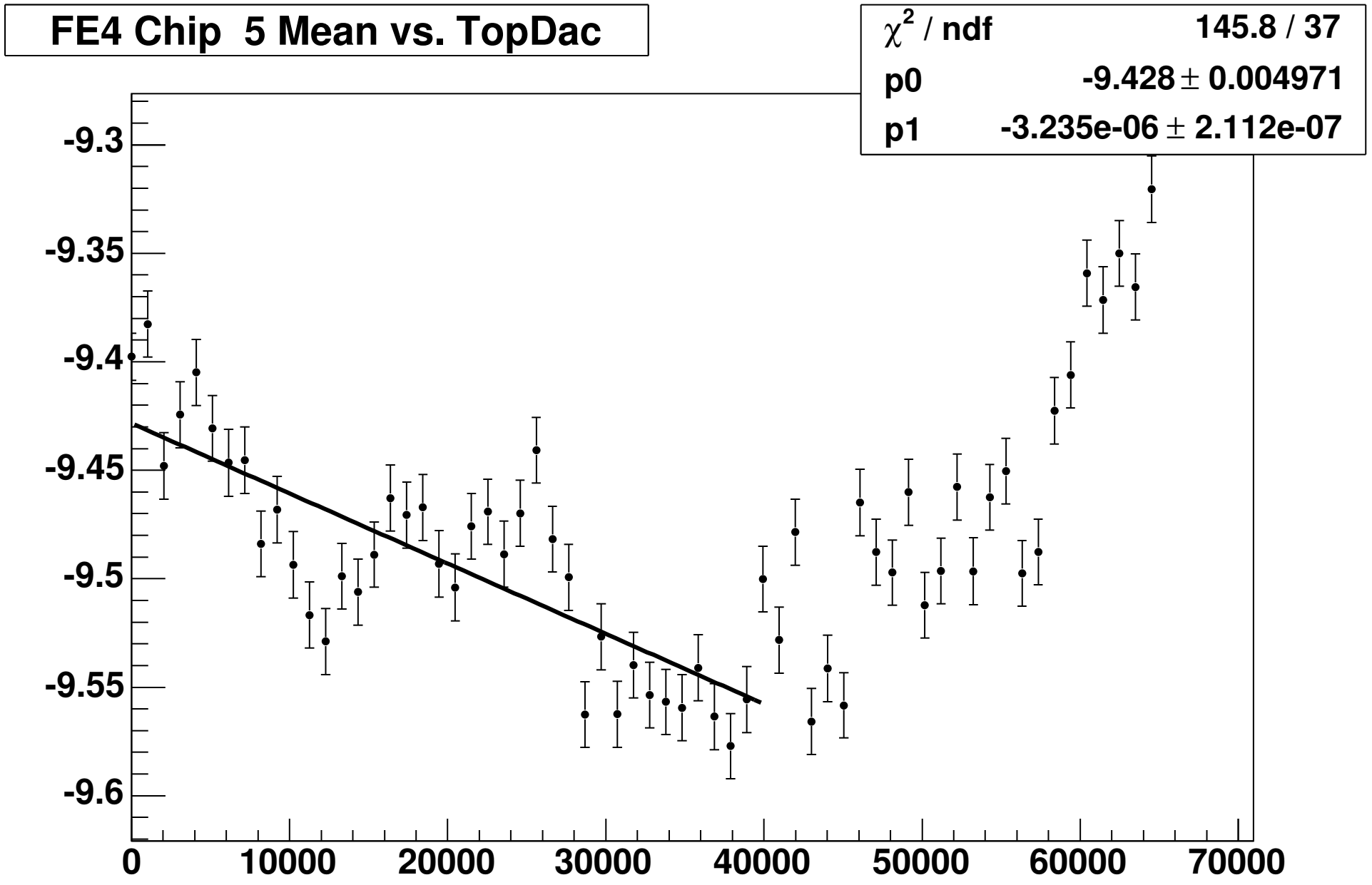
FE4 Chip 5 Mean vs. TopDac
χ² / ndf 145.8 / 37
p0 -9.428 ± 0.004971
p1 -3.235e-06 ± 2.112e-07
-9.3
-9.35
-9.4
-9.45
-9.5
-9.55
-9.6
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10000
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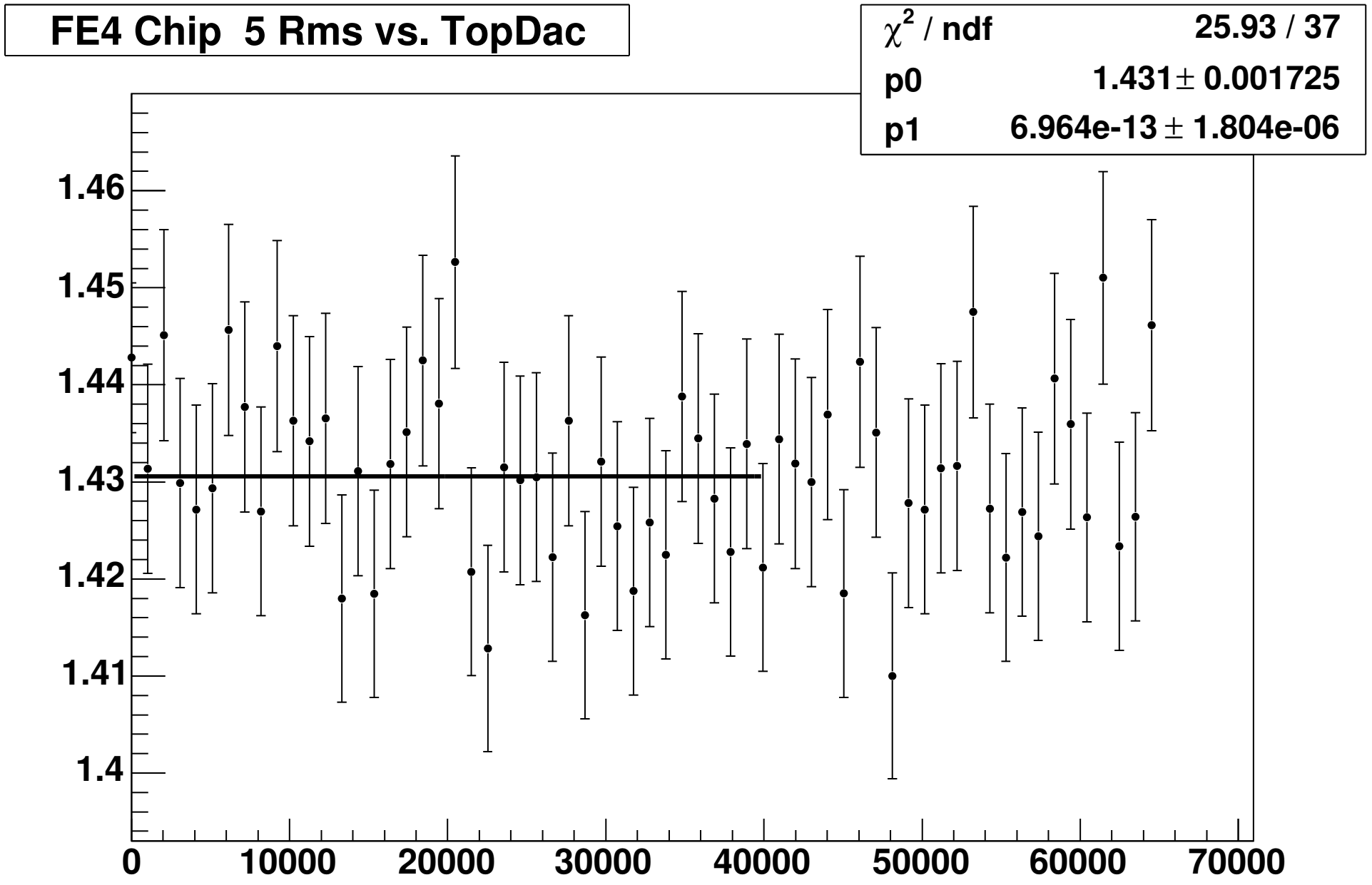
FE4 Chip 5 Rms vs. TopDac
χ² / ndf 25.93 / 37
p0 1.431 ± 0.001725
p1 6.964e-13 ± 1.804e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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30000
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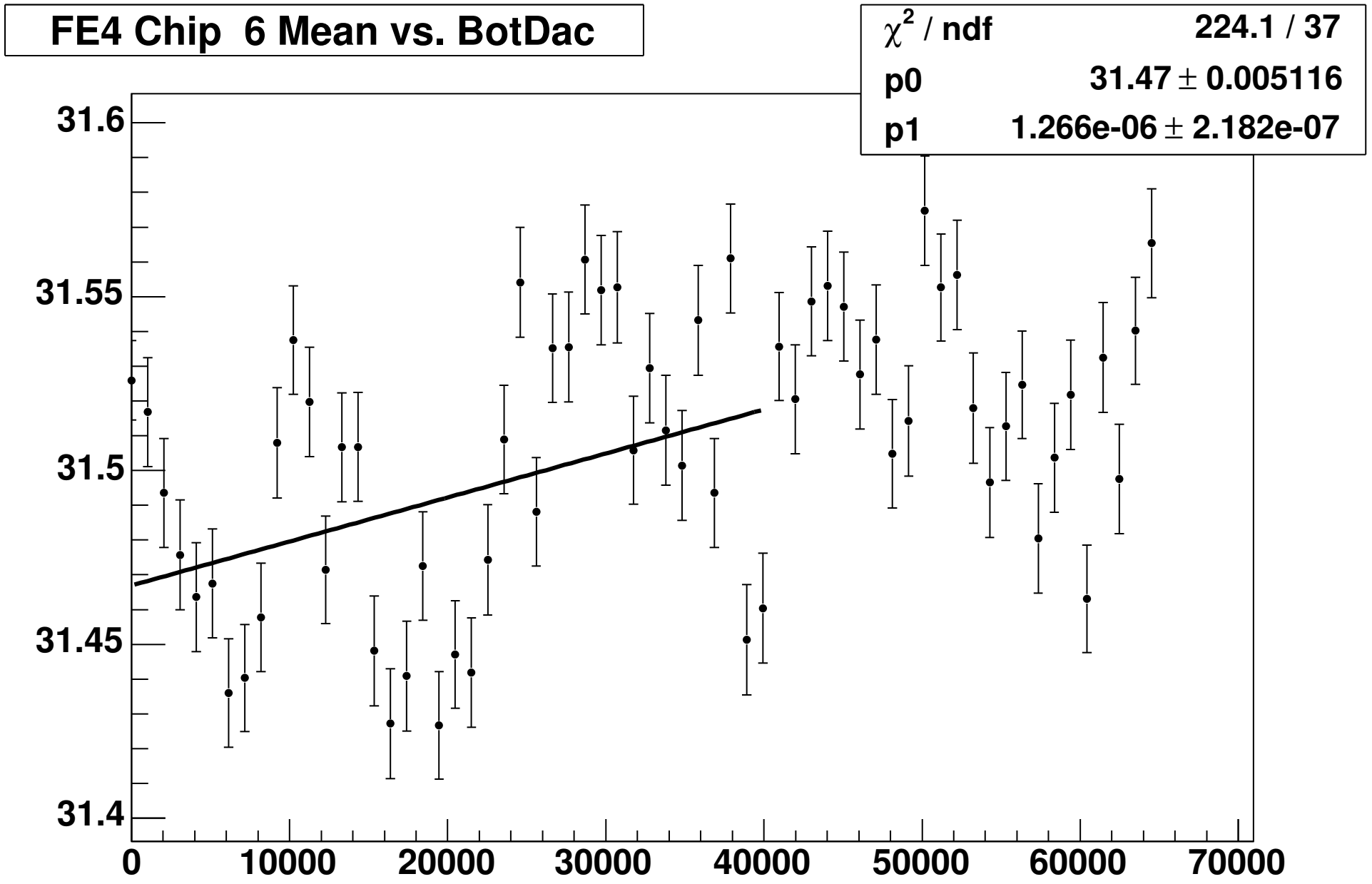
FE4 Chip 6 Mean vs. BotDac
χ² / ndf 224.1 / 37
p0 31.47 ± 0.005116
p1 1.266e-06 ± 2.182e-07
31.6
31.55
31.5
31.45
31.4
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10000
20000
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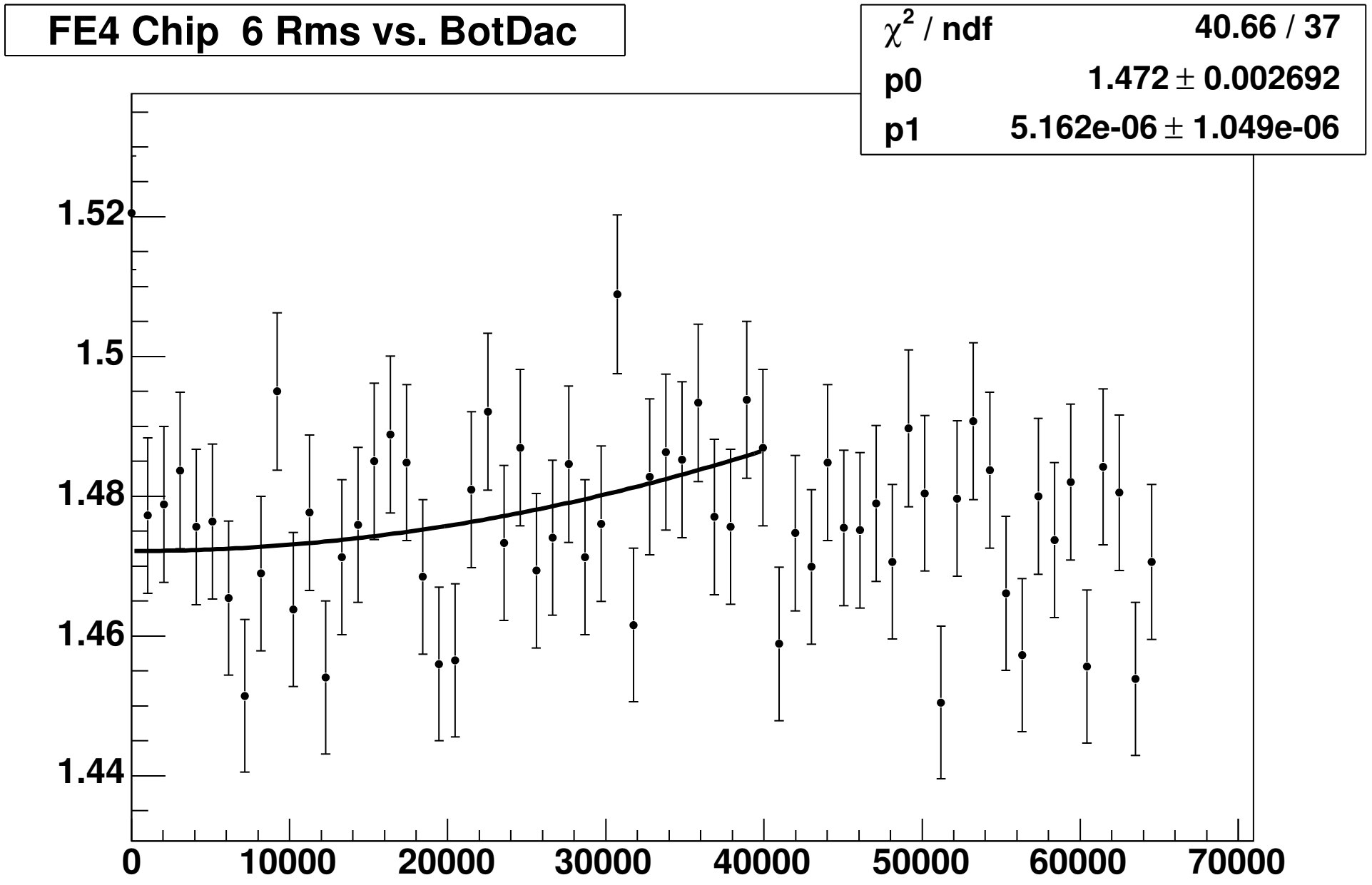
FE4 Chip 6 Rms vs. BotDac
χ² / ndf 40.66 / 37
p0 1.472 ± 0.002692
p1 5.162e-06 ± 1.049e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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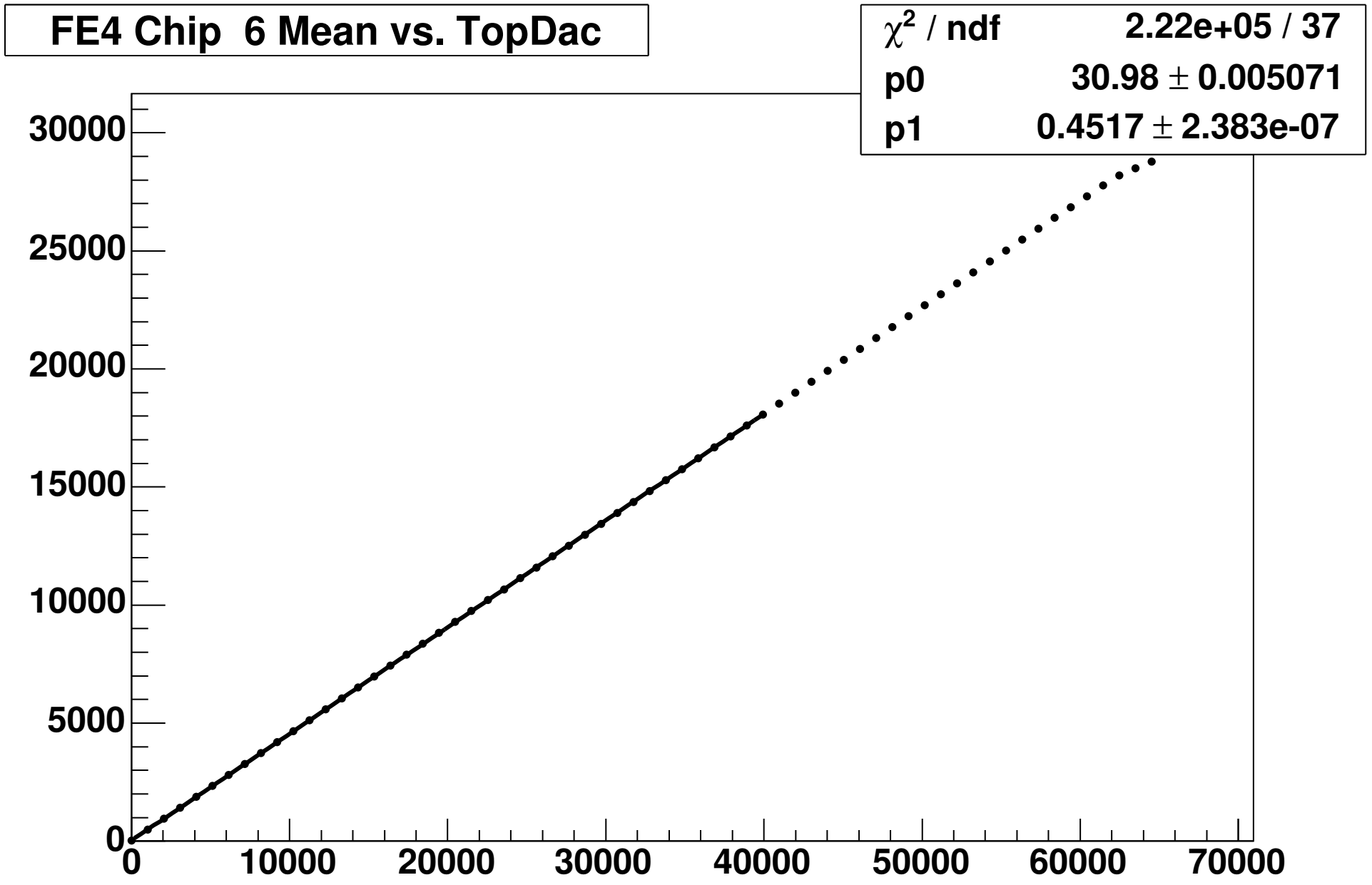
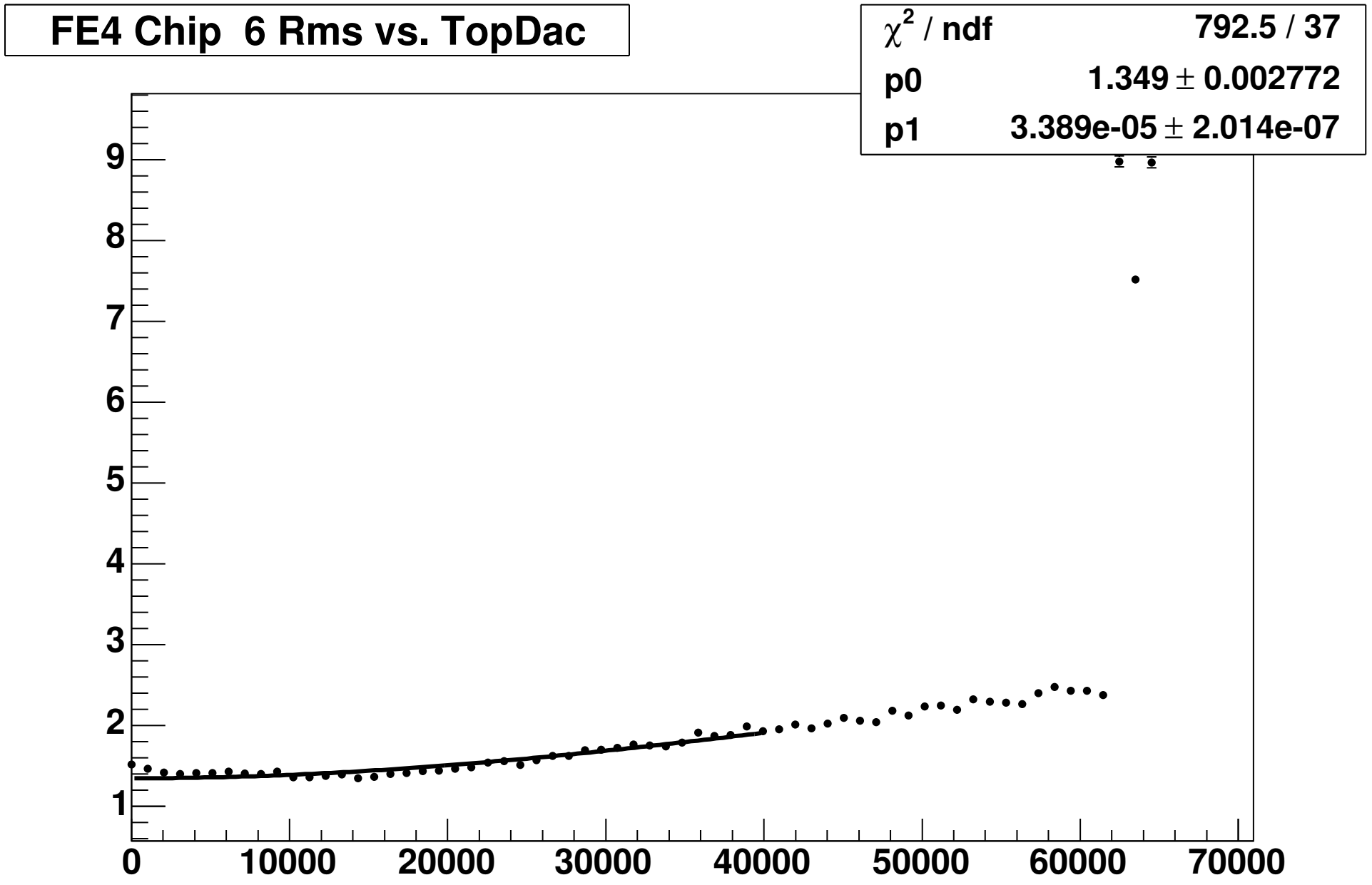

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 2.22e+05 / 37
p0 30.98 ± 0.005071
p1 0.4517 ± 2.383e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 792.5 / 37
p0 1.349 ± 0.002772
p1 3.389e-05 ± 2.014e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
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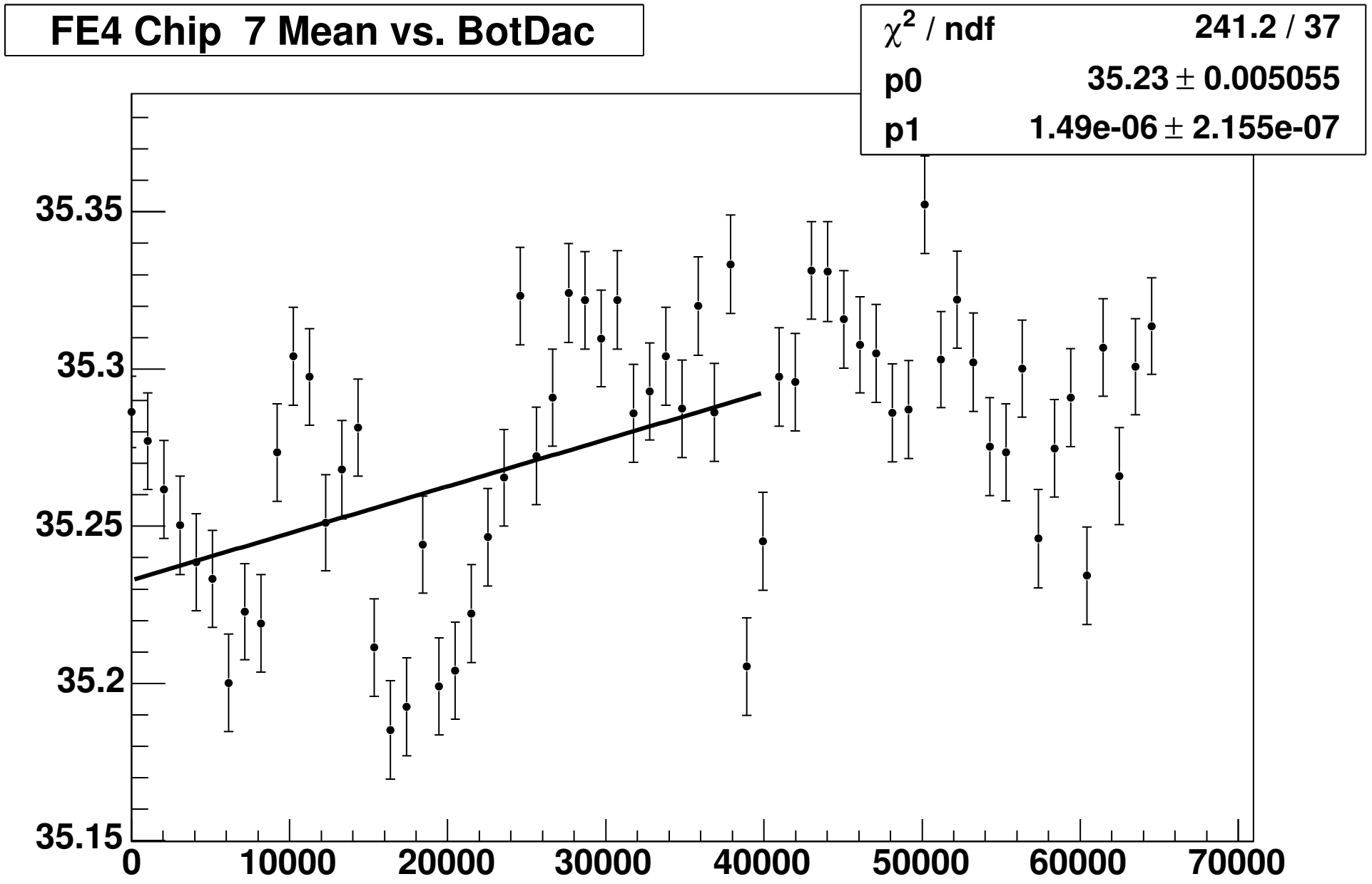
FE4 Chip 7 Mean vs. BotDac
χ² / ndf 241.2 / 37
p0 35.23 ± 0.005055
p1 1.49e-06 ± 2.155e-07
35.35
35.3
35.25
35.2
35.15
0
10000
20000
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40000
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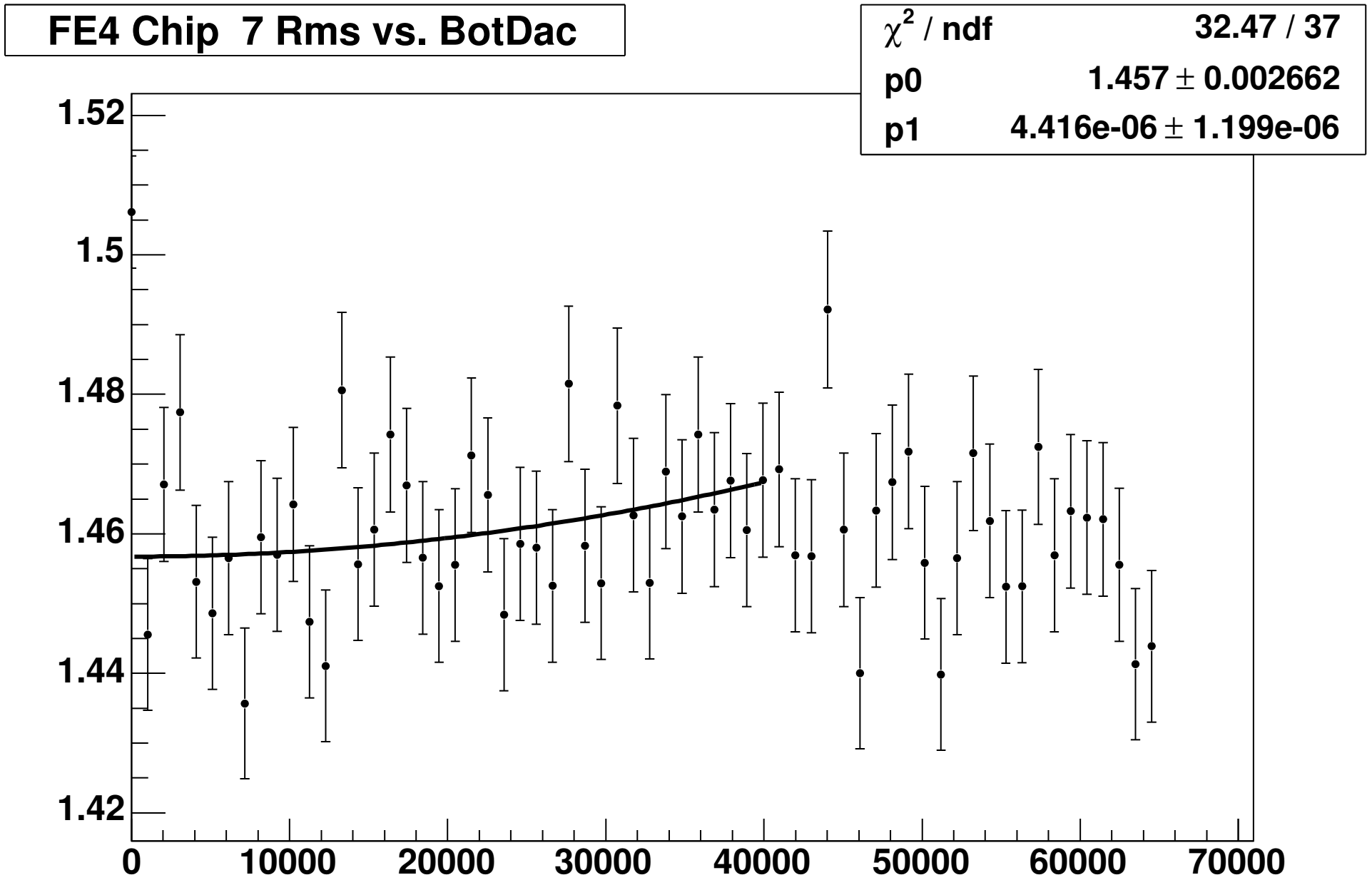
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 32.47 / 37
p0 1.457 ± 0.002662
p1 4.416e-06 ± 1.199e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
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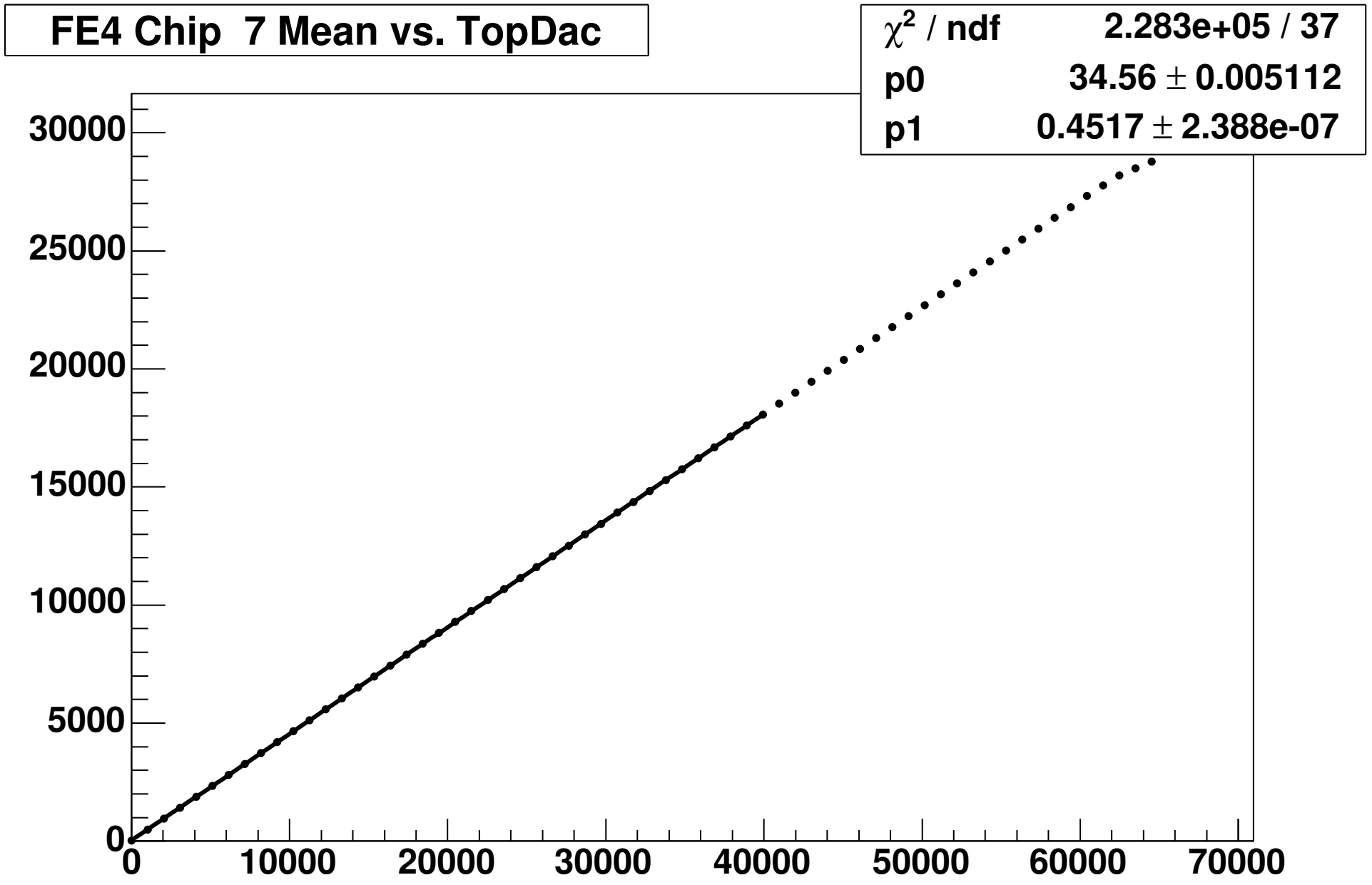
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 2.283e+05 / 37
p0 34.56 ± 0.005112
p1 0.4517 ± 2.388e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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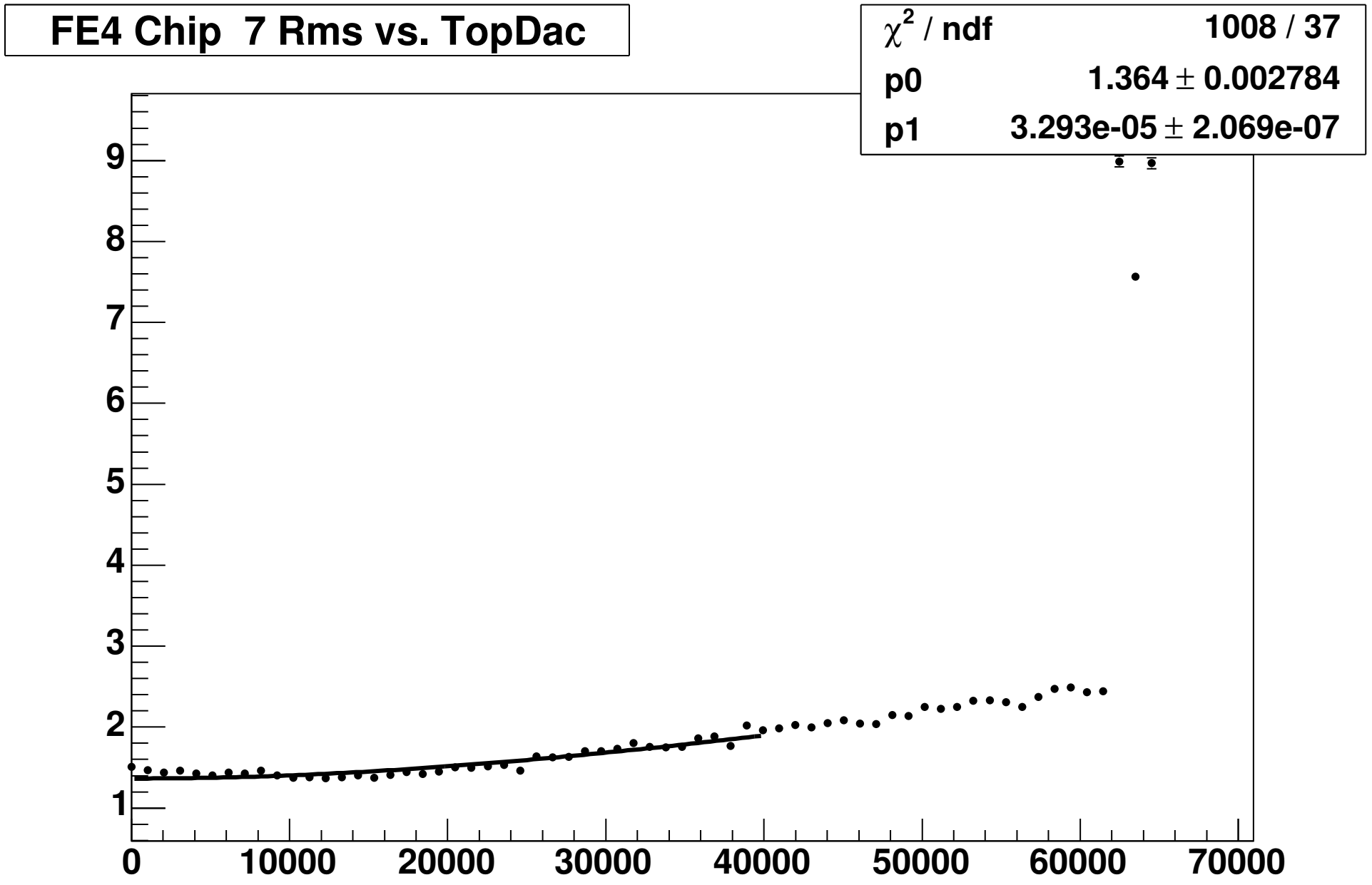
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1008 / 37
p0 1.364 ± 0.002784
p1 3.293e-05 ± 2.069e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
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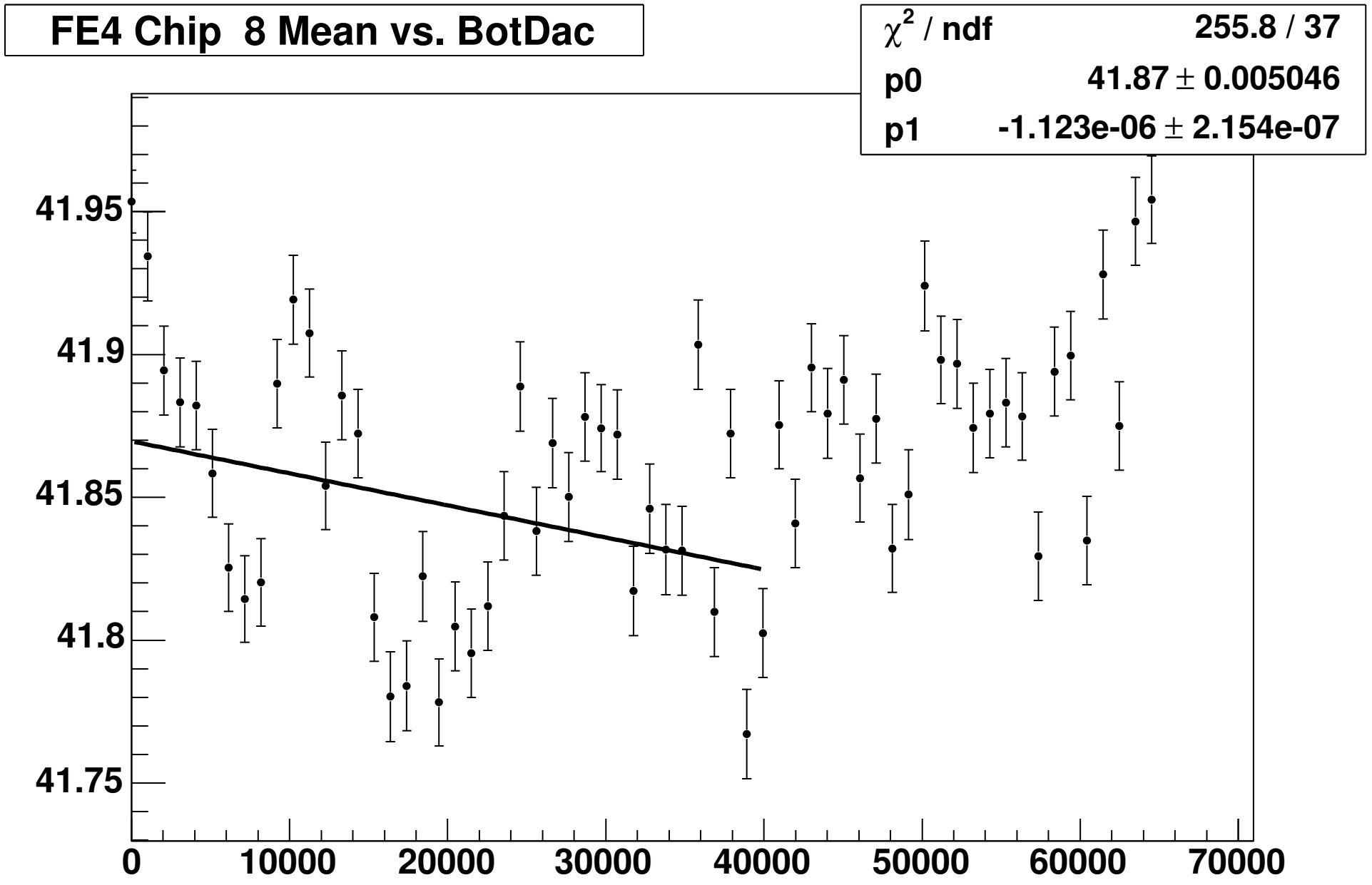
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 255.8 / 37
p0 41.87 ± 0.005046
p1 -1.123e-06 ± 2.154e-07
41.95
41.9
41.85
41.8
41.75
0
10000
20000
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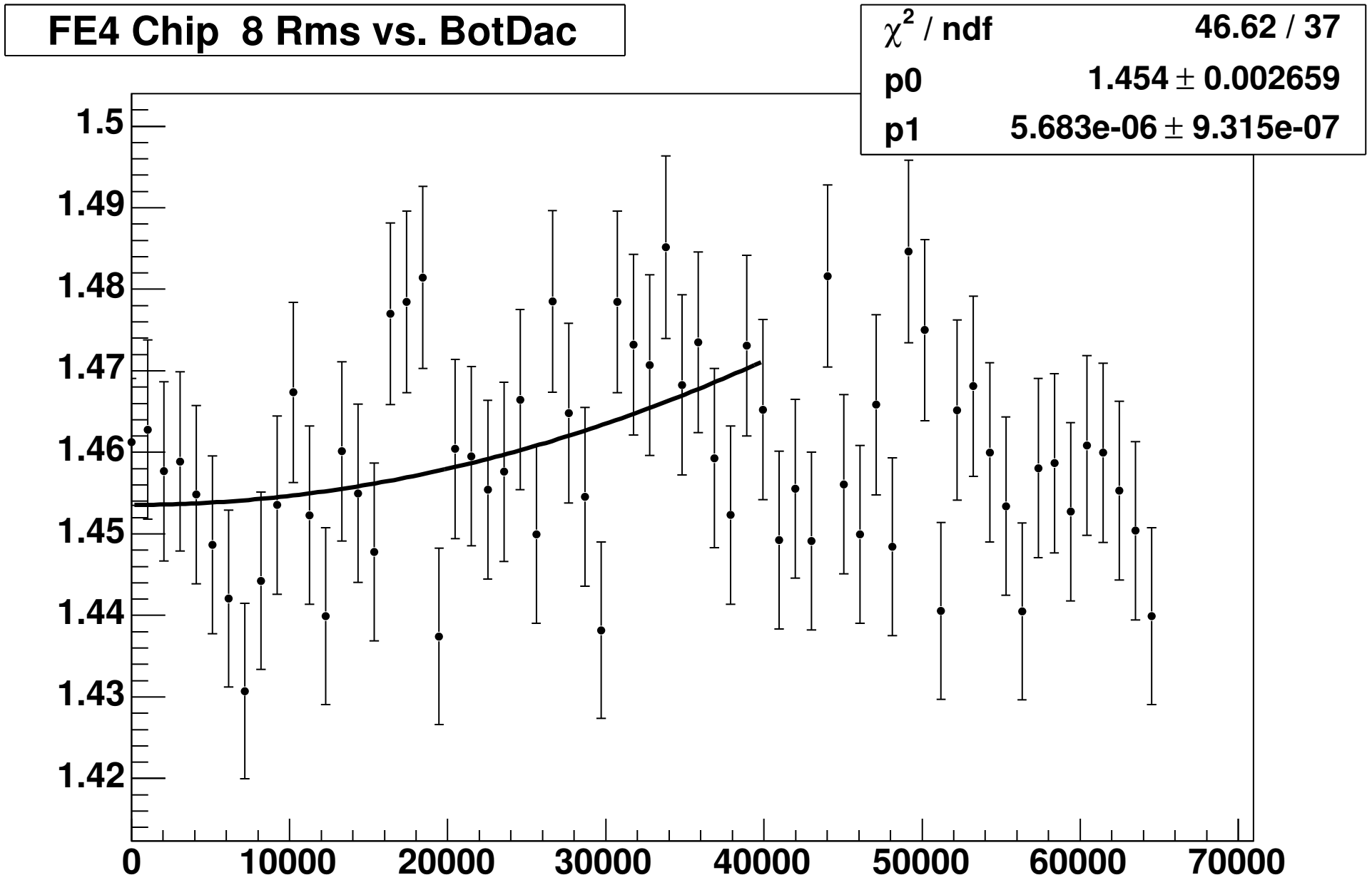
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 46.62 / 37
p0 1.454 ± 0.002659
p1 5.683e-06 ± 9.315e-07
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
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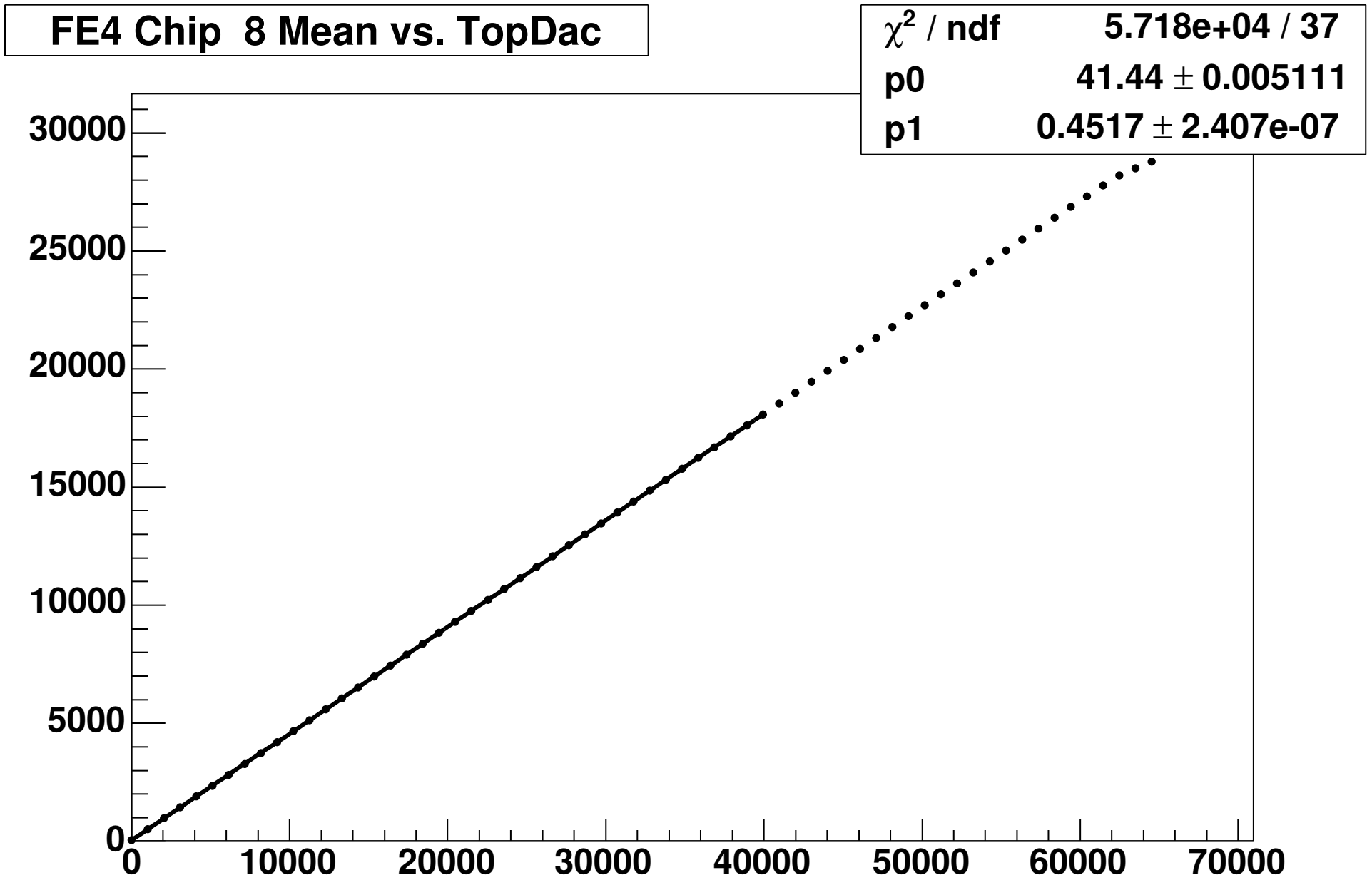
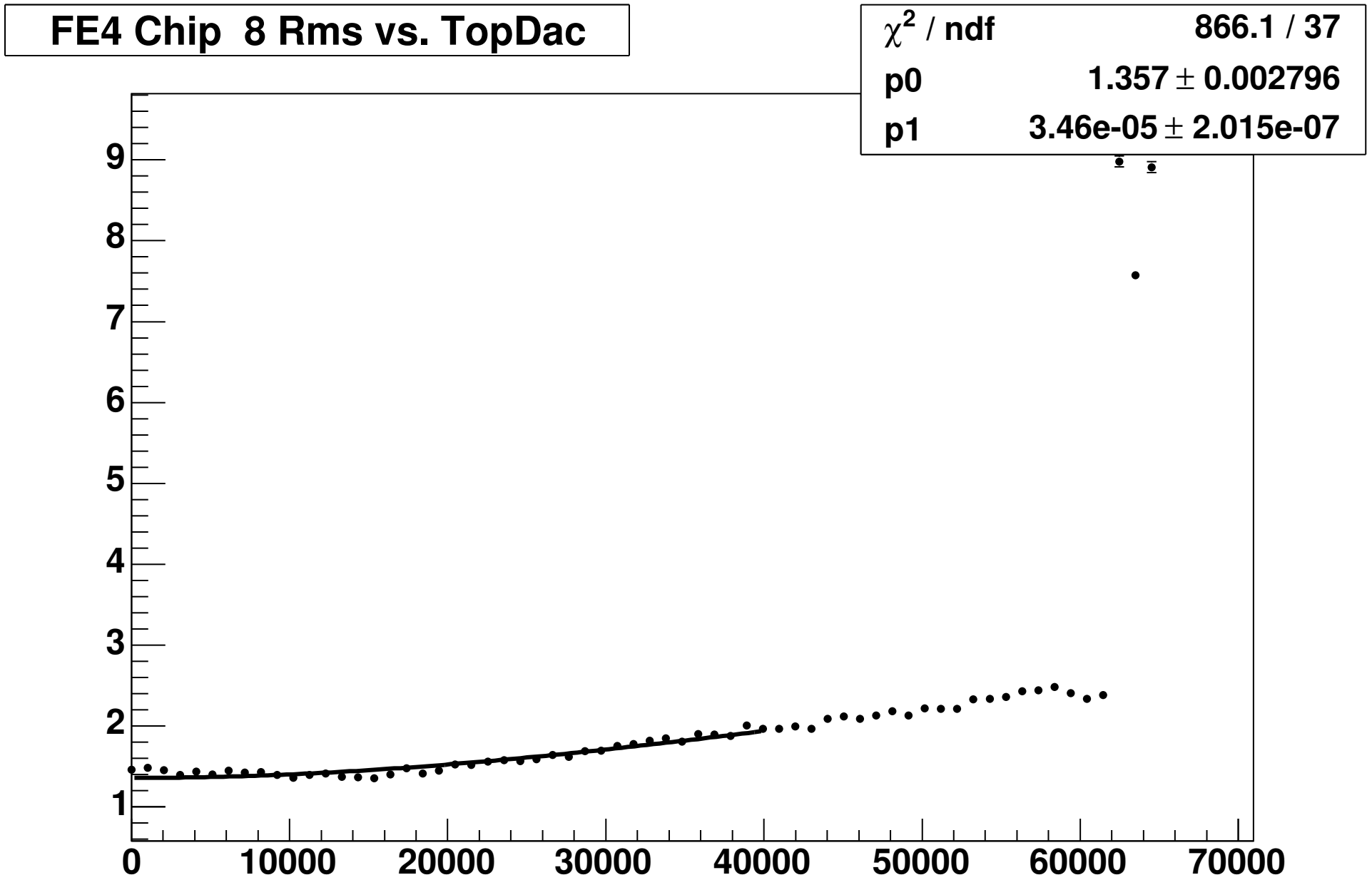
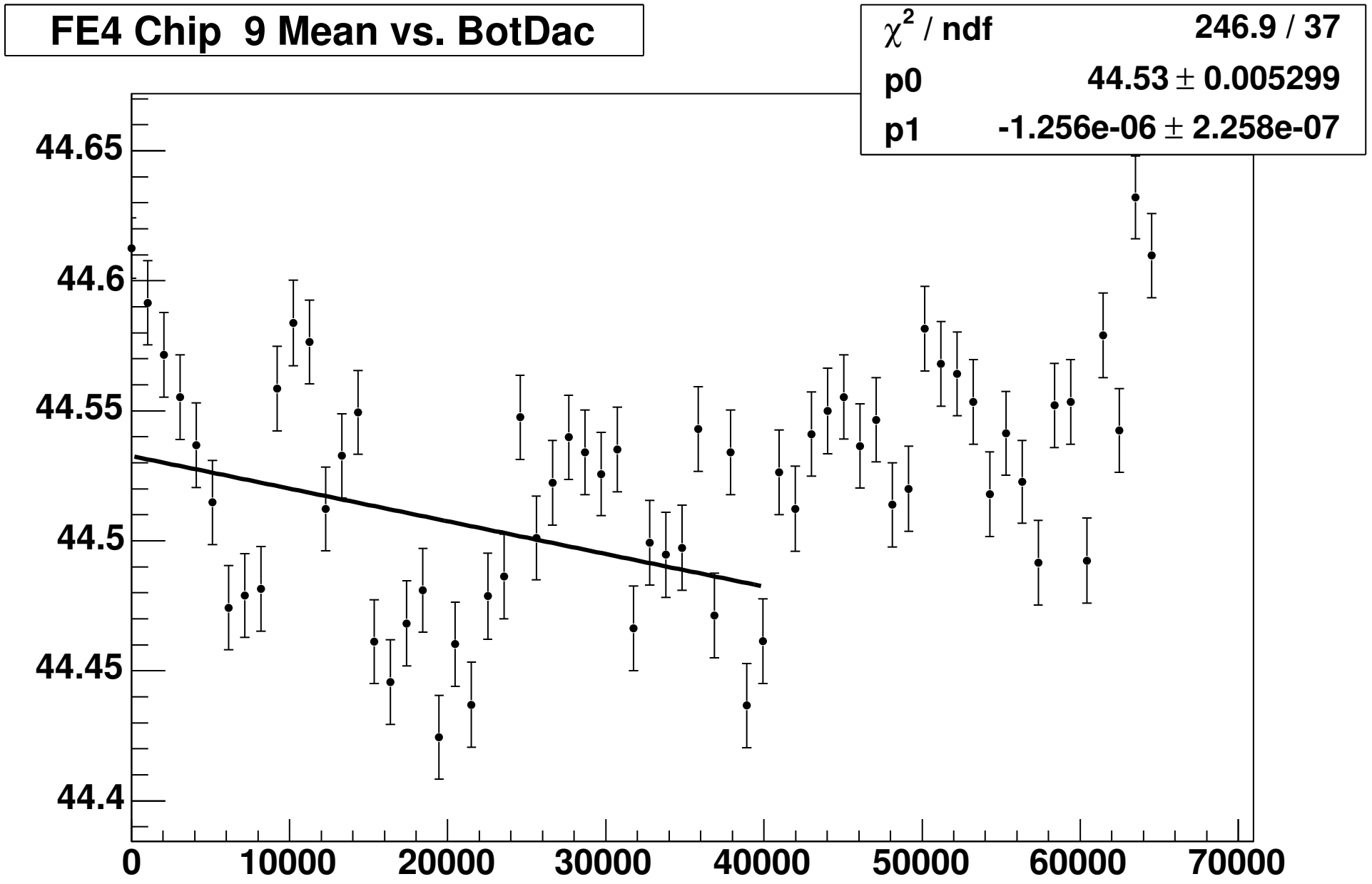
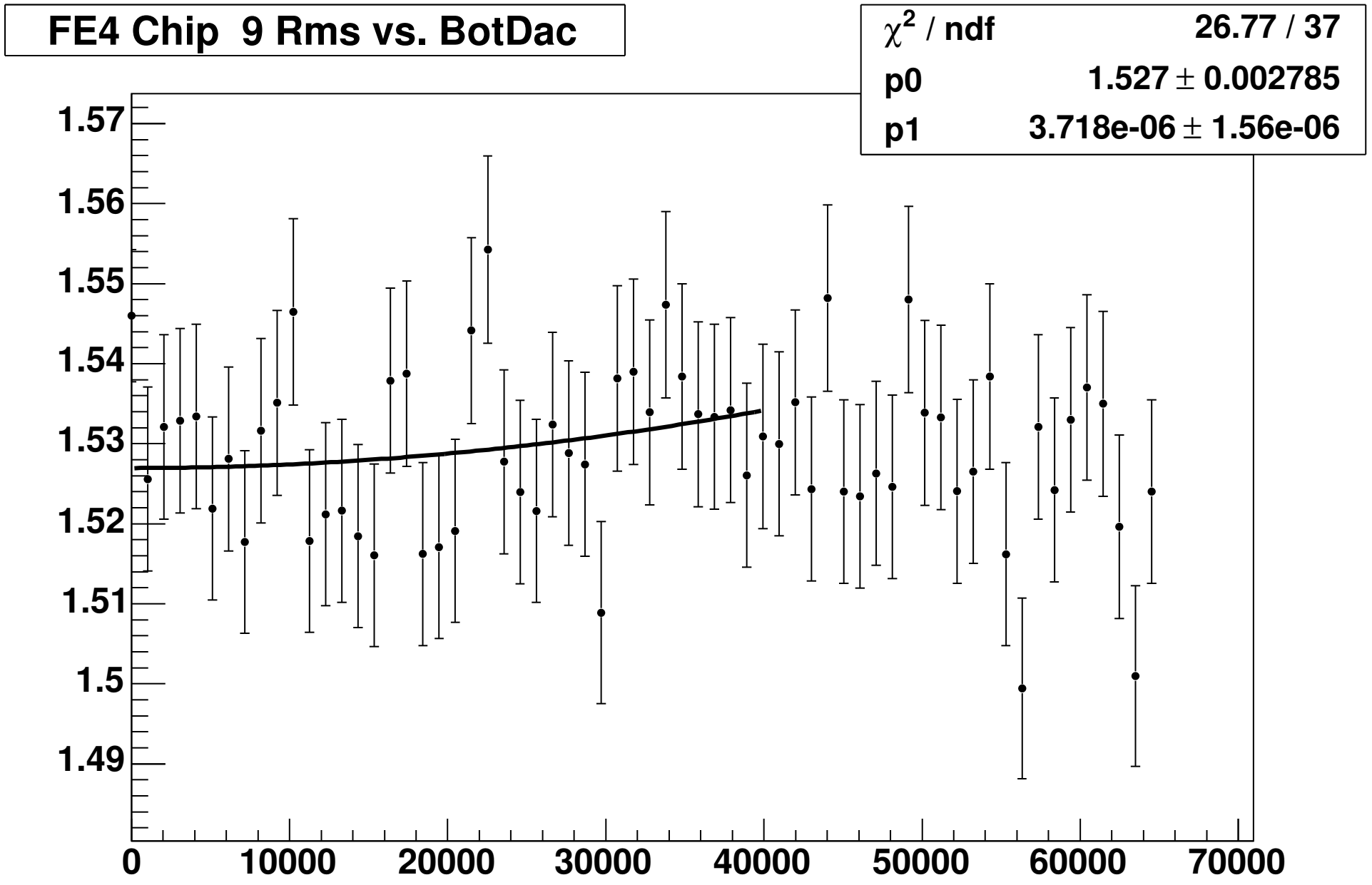
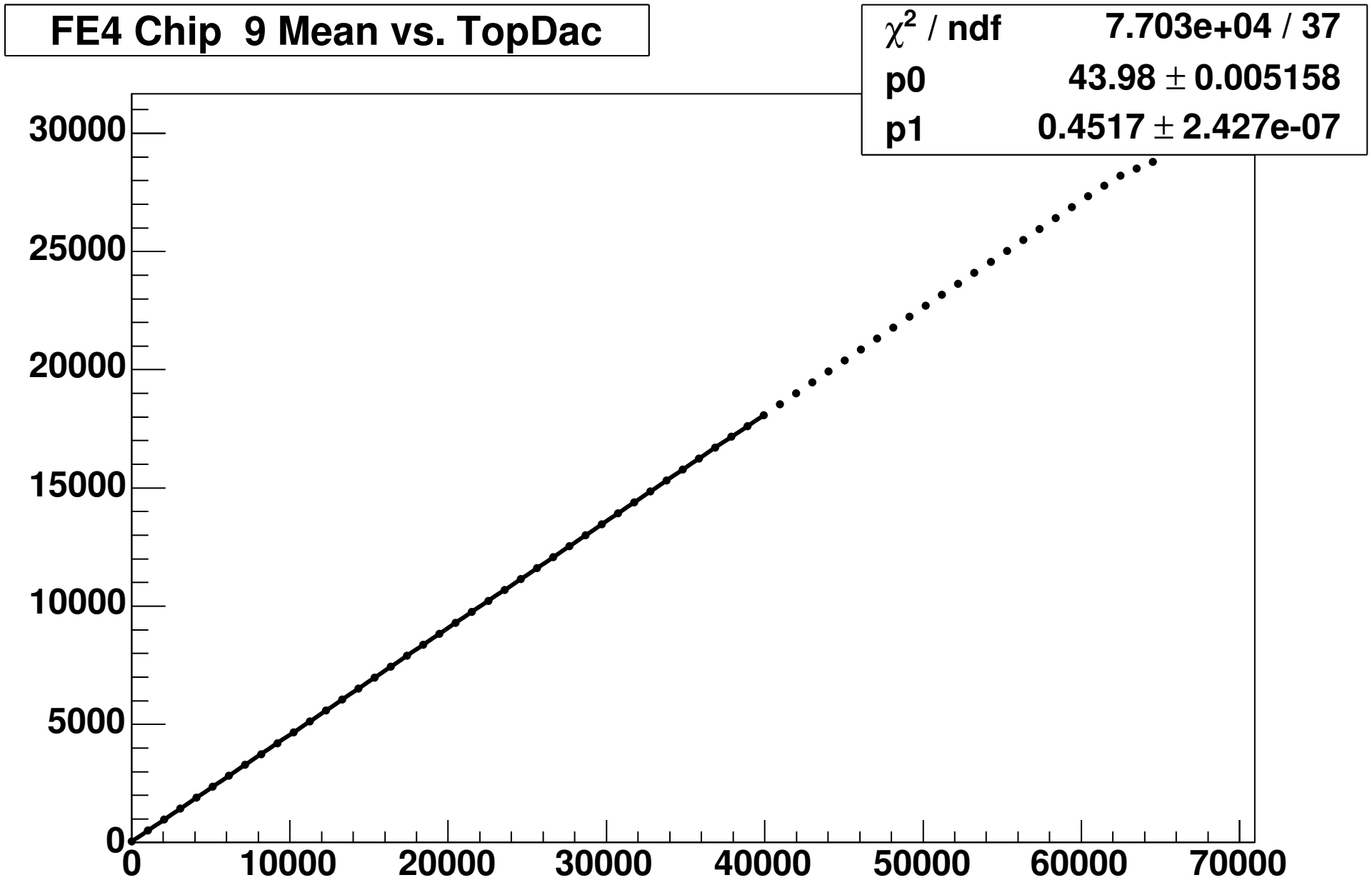
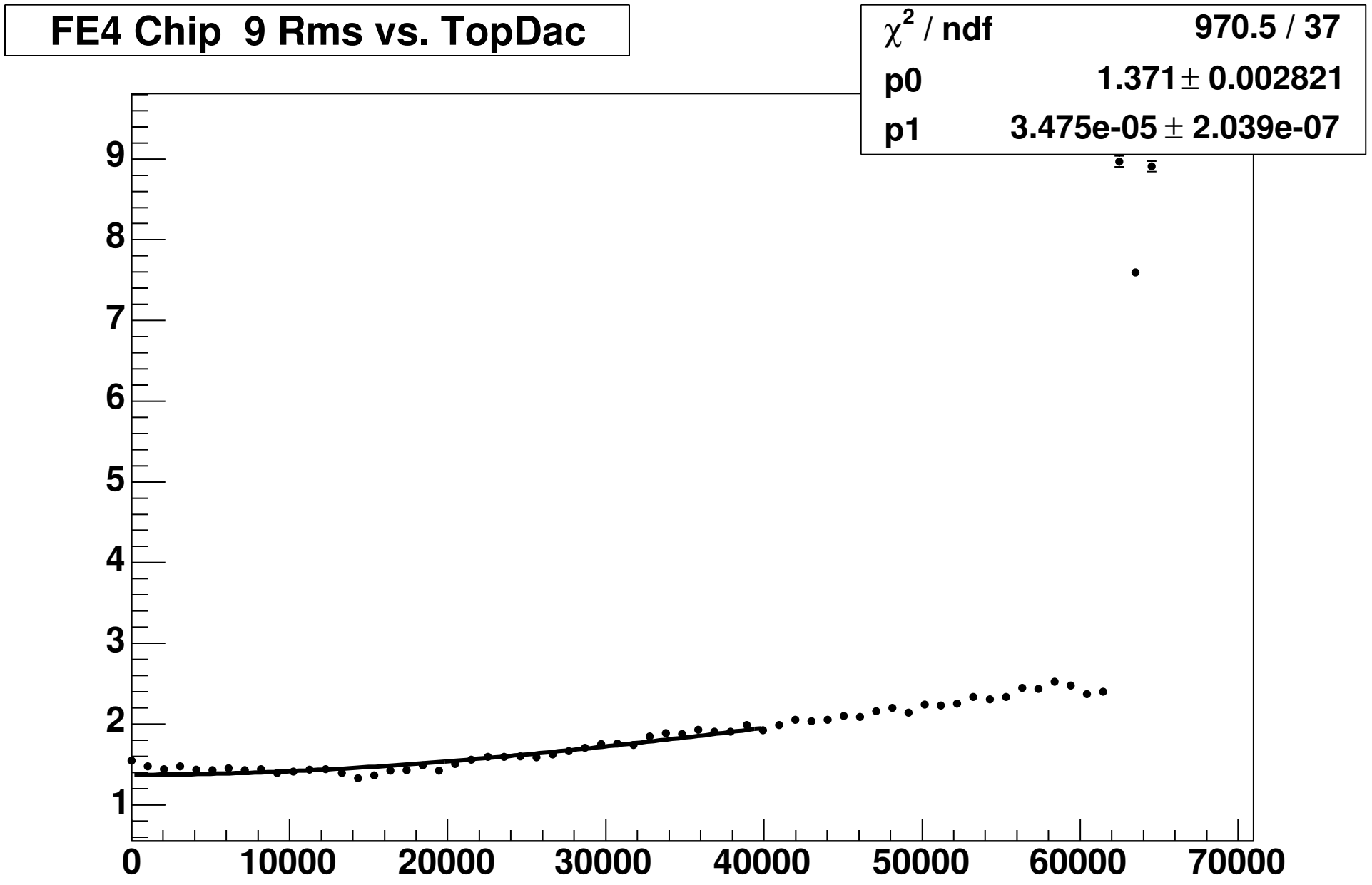

FE4 Chip 8 Mean vs. TopDac
χ² / ndf 5.718e+04 / 37
p0 41.44 ± 0.005111
p1 0.4517 ± 2.407e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

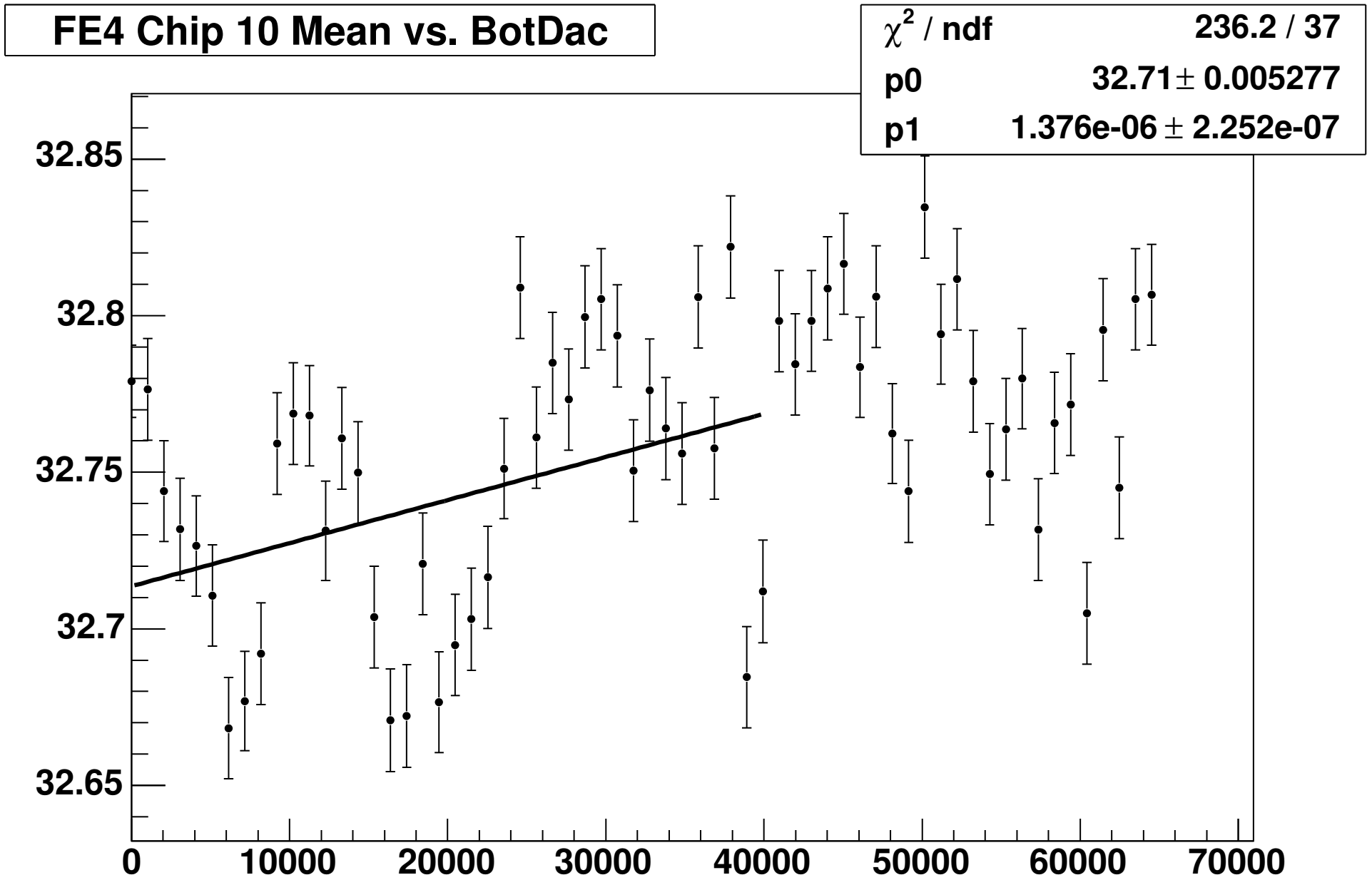

FE4 Chip 8 Rms vs. TopDac
χ² / ndf 866.1 / 37
p0 1.357 ± 0.002796
p1 3.46e-05 ± 2.015e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

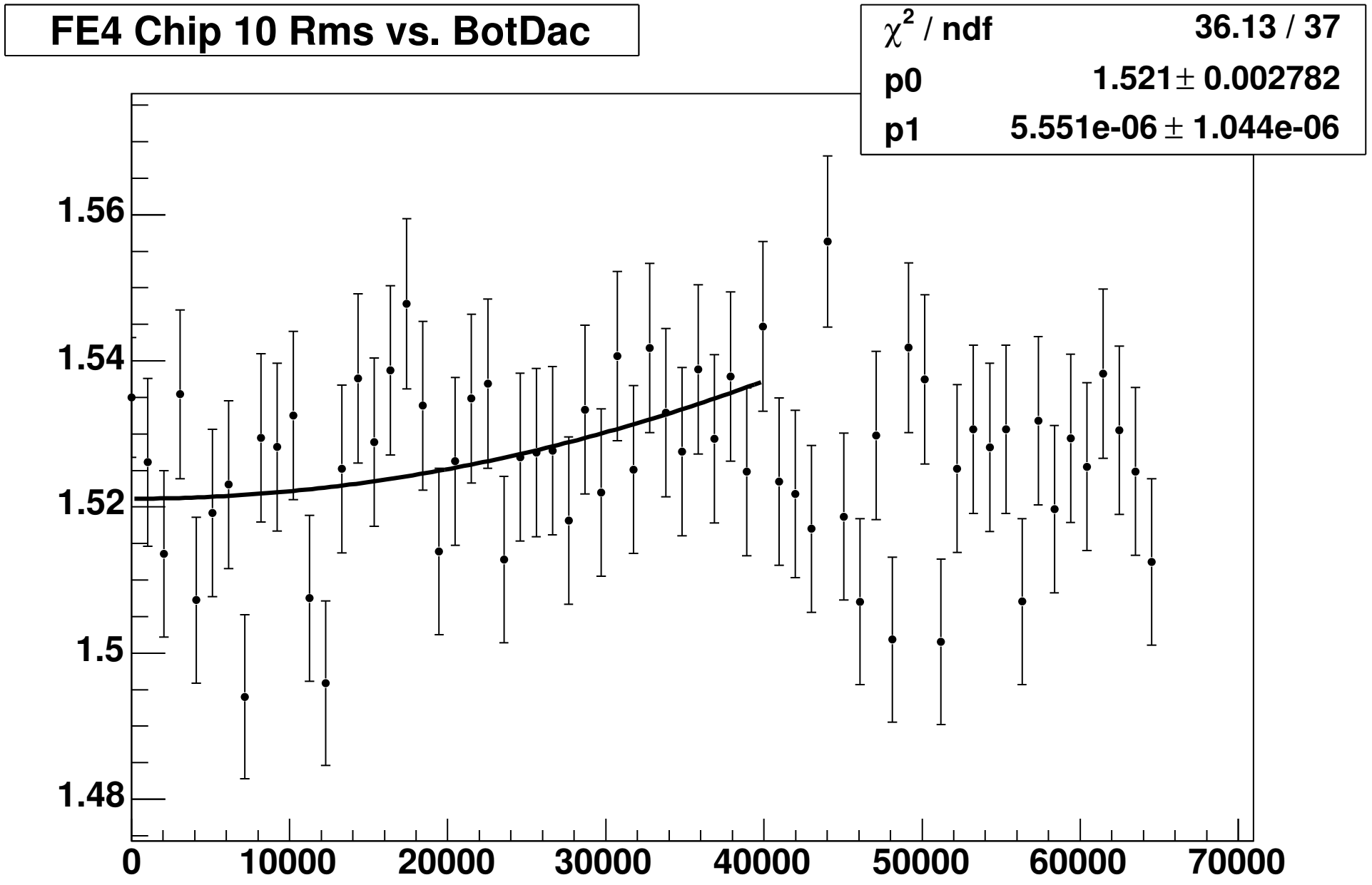

FE4 Chip 9 Mean vs. BotDac
χ² / ndf 246.9 / 37
p0 44.53 ± 0.005299
p1 -1.256e-06 ± 2.258e-07
44.65
44.6
44.55
44.5
44.45
44.4
0
10000
20000
30000
40000
50000
60000
70000

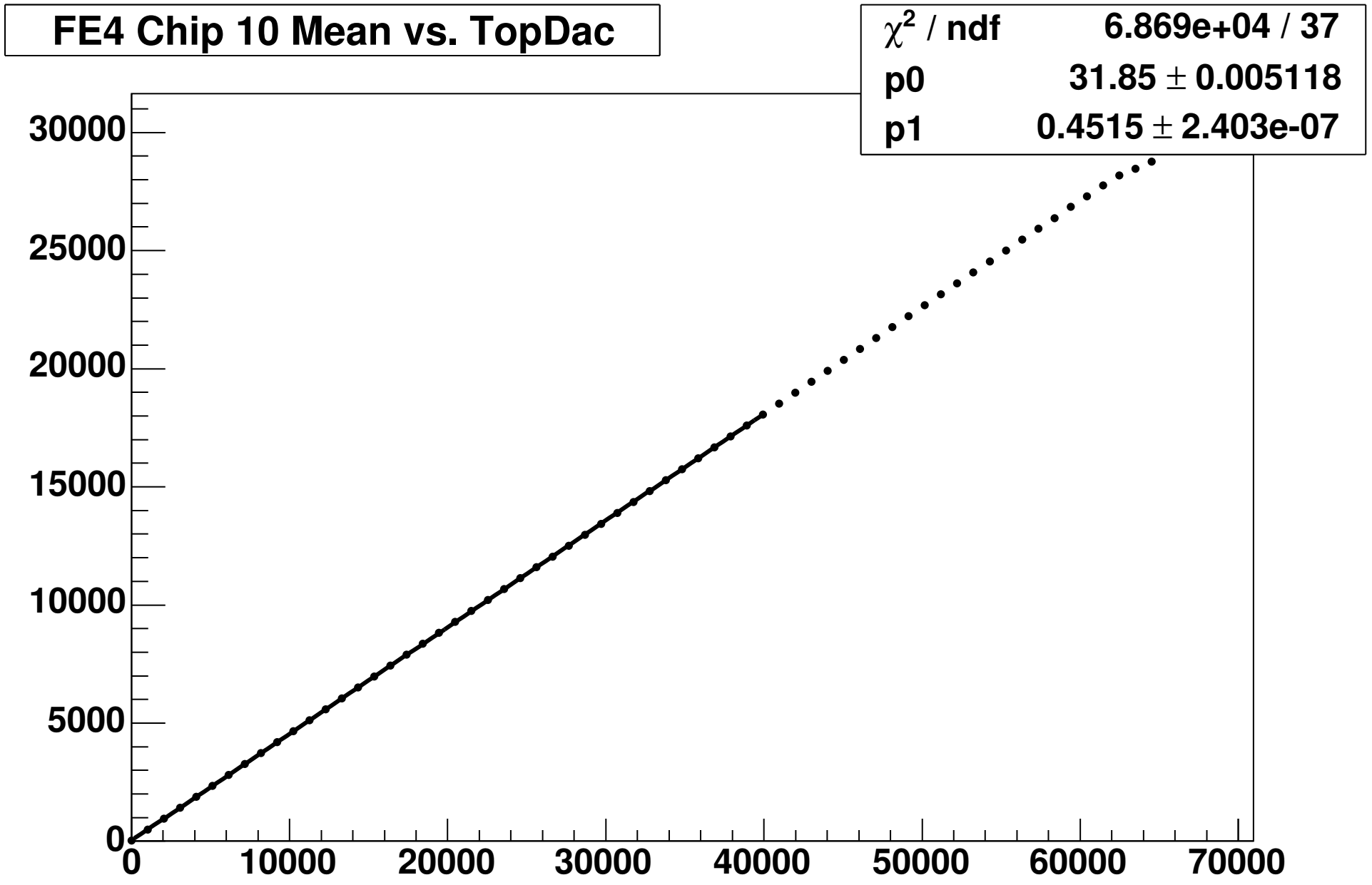

FE4 Chip 9 Rms vs. BotDac
χ² / ndf 26.77 / 37
p0 1.527 ± 0.002785
p1 3.718e-06 ± 1.56e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

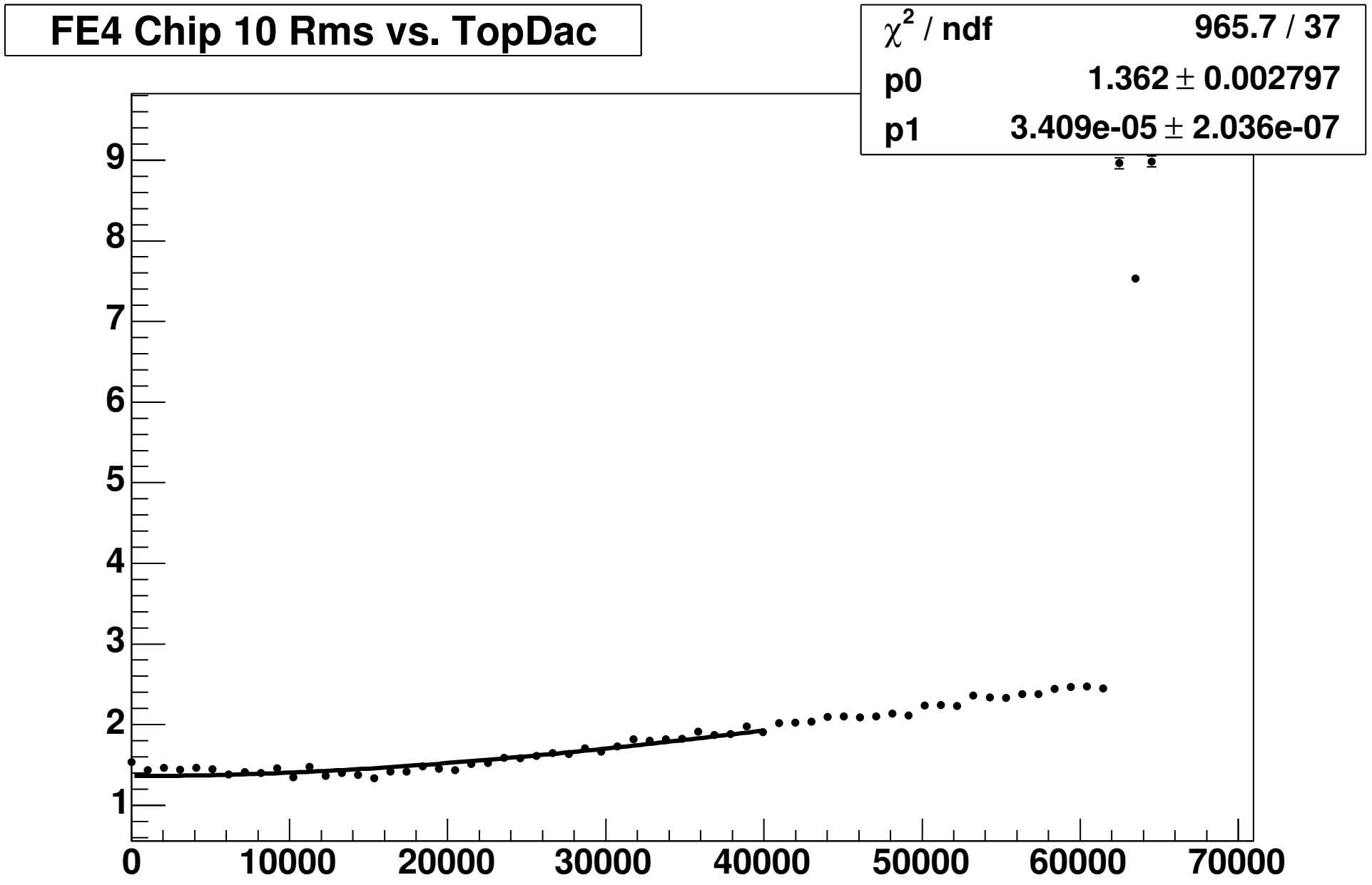

FE4 Chip 9 Mean vs. TopDac
χ² / ndf 7.703e+04 / 37
p0 43.98 ± 0.005158
p1 0.4517 ± 2.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

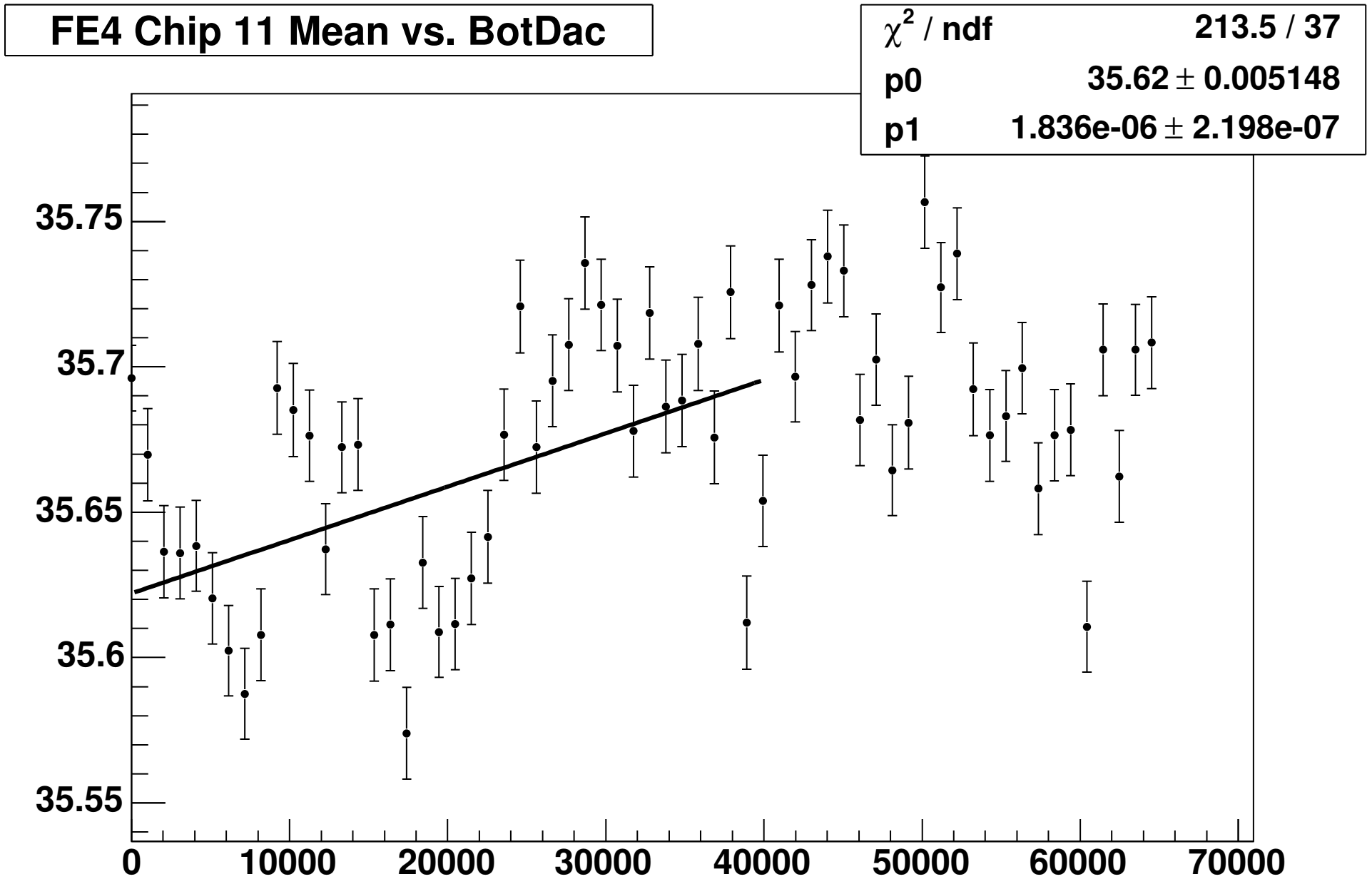

FE4 Chip 9 Rms vs. TopDac
χ² / ndf 970.5 / 37
p0 1.371 ± 0.002821
p1 3.475e-05 ± 2.039e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

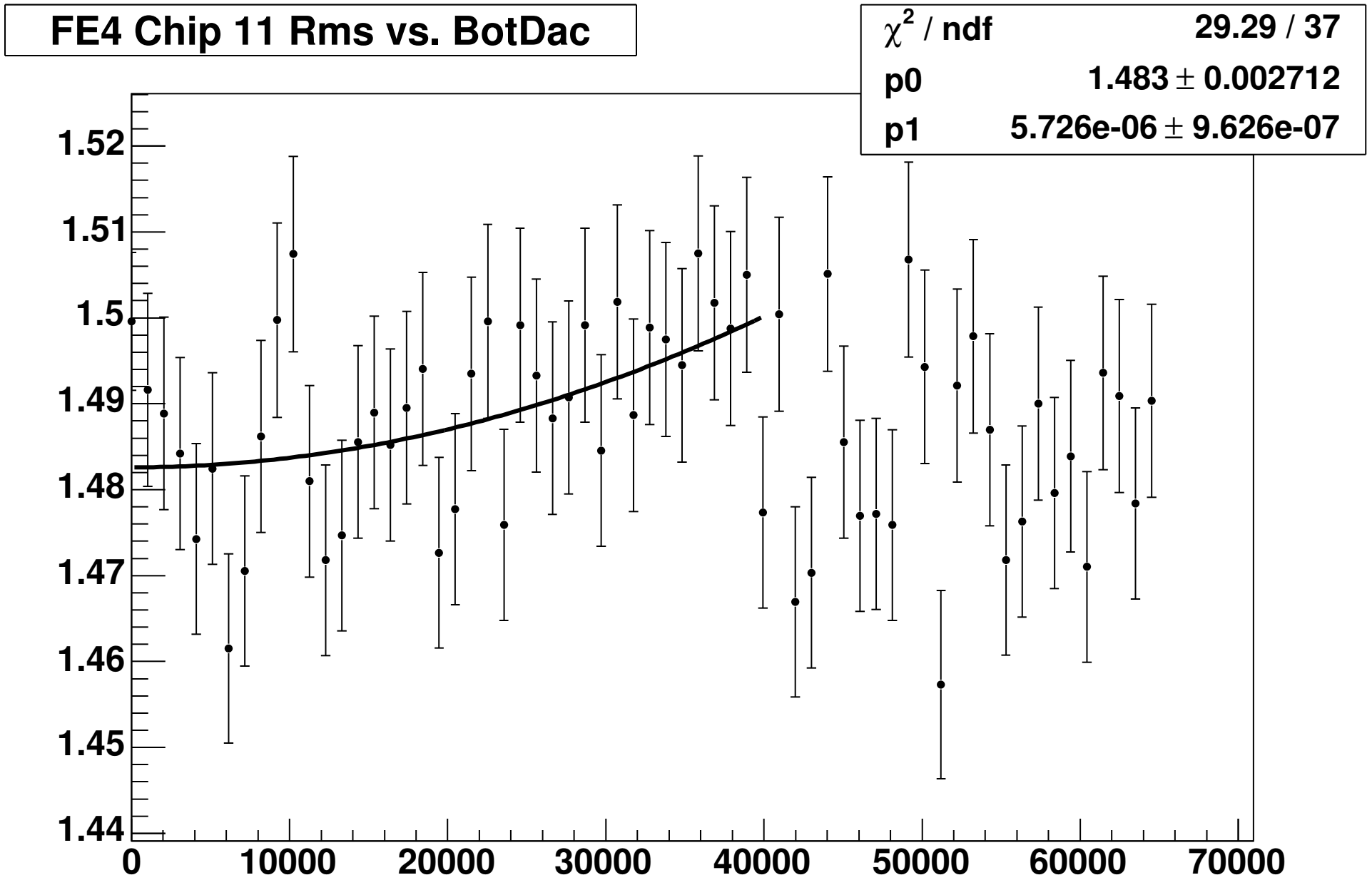

FE4 Chip 10 Mean vs. BotDac
χ² / ndf 236.2 / 37
p0 32.71 ± 0.005277
p1 1.376e-06 ± 2.252e-07
32.85
32.8
32.75
32.7
32.65
0
10000
20000
30000
40000
50000
60000
70000

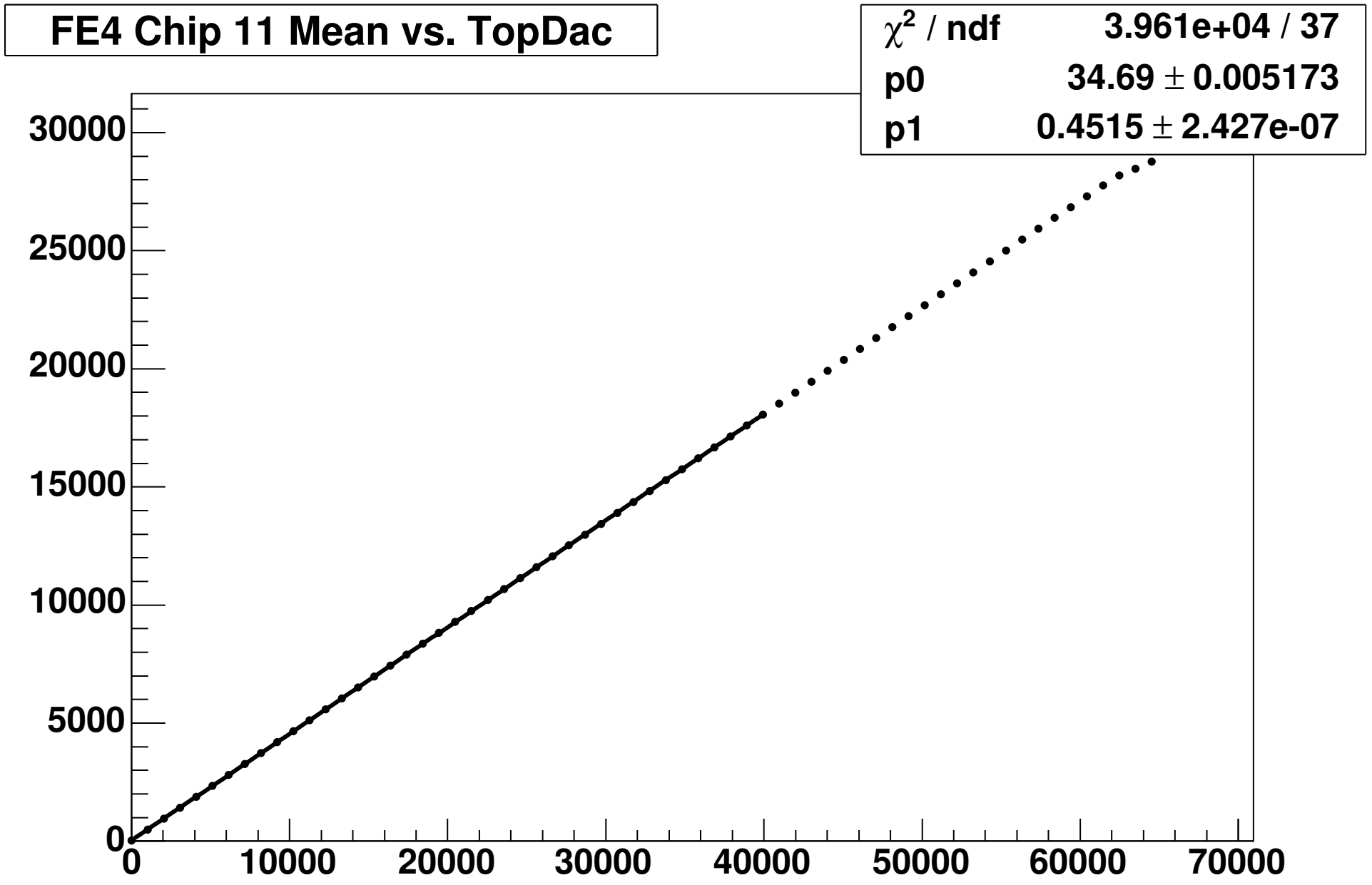

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 36.13 / 37
p0 1.521 ± 0.002782
p1 5.551e-06 ± 1.044e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

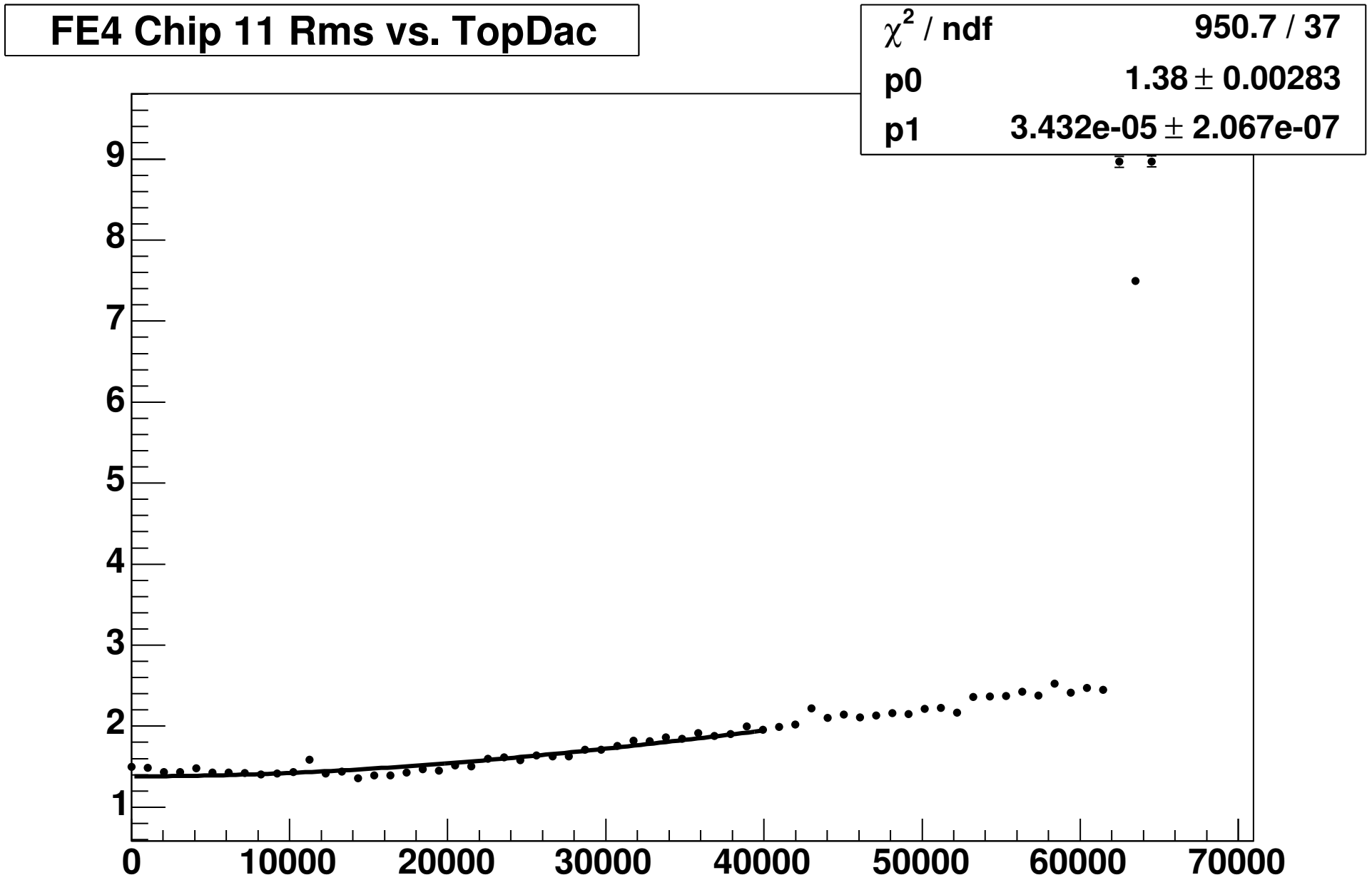

FE4 Chip 10 Mean vs. TopDac
χ² / ndf 6.869e+04 / 37
p0 31.85 ± 0.005118
p1 0.4515 ± 2.403e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

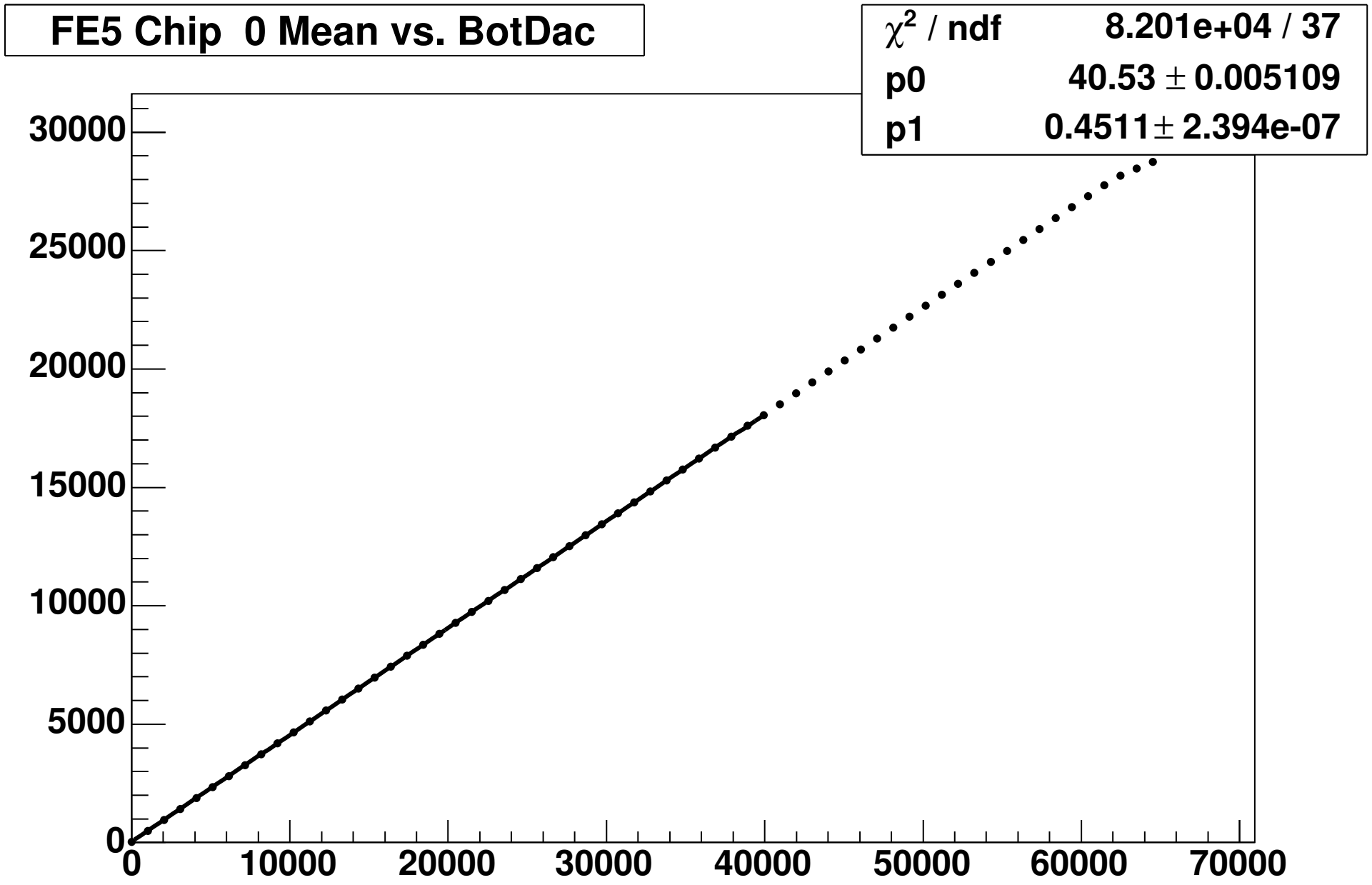

FE4 Chip 10 Rms vs. TopDac
χ² / ndf 965.7 / 37
p0 1.362 ± 0.002797
p1 3.409e-05 ± 2.036e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

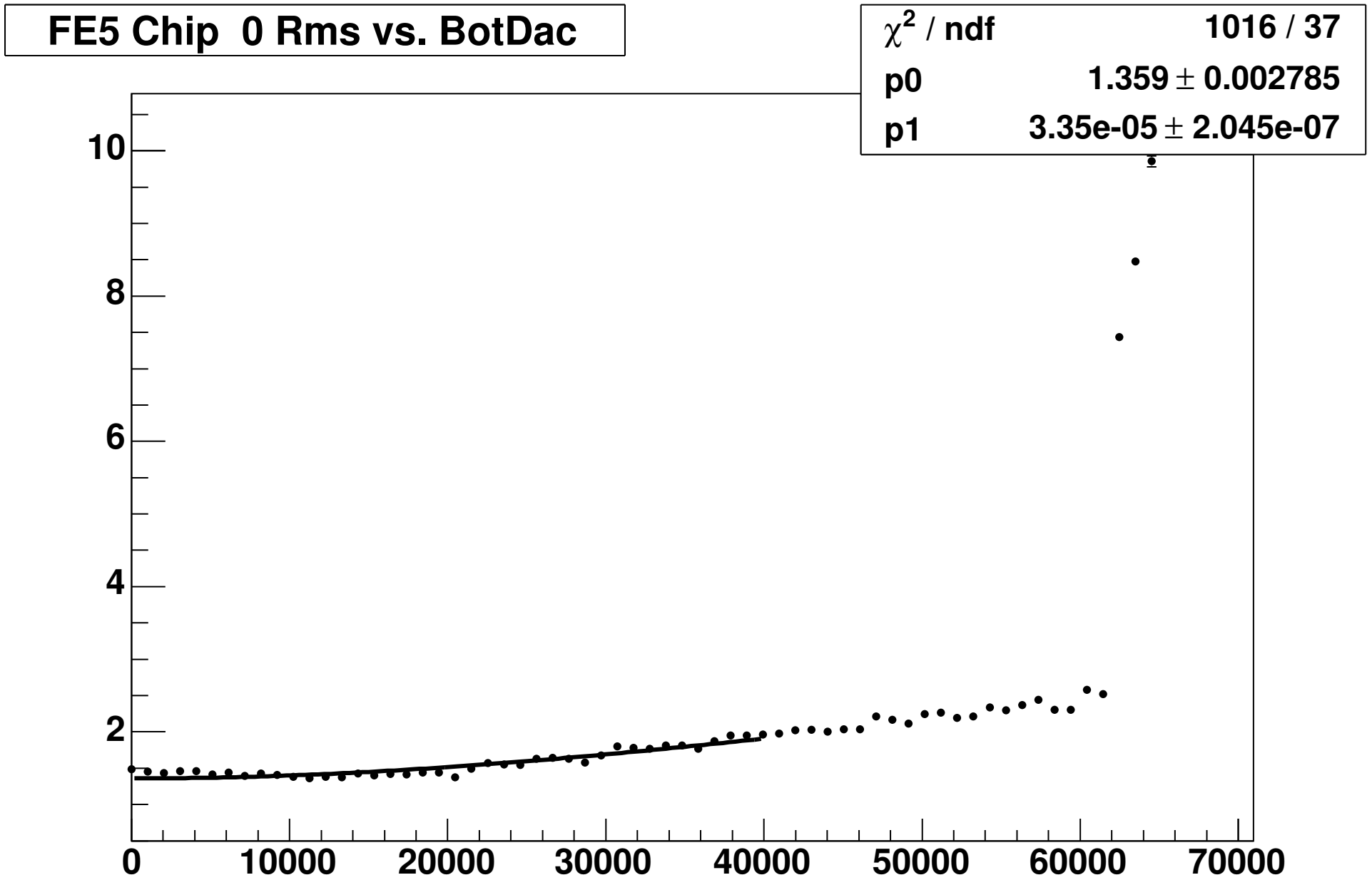

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 213.5 / 37
p0 35.62 ± 0.005148
p1 1.836e-06 ± 2.198e-07
35.75
35.7
35.65
35.6
35.55
0
10000
20000
30000
40000
50000
60000
70000

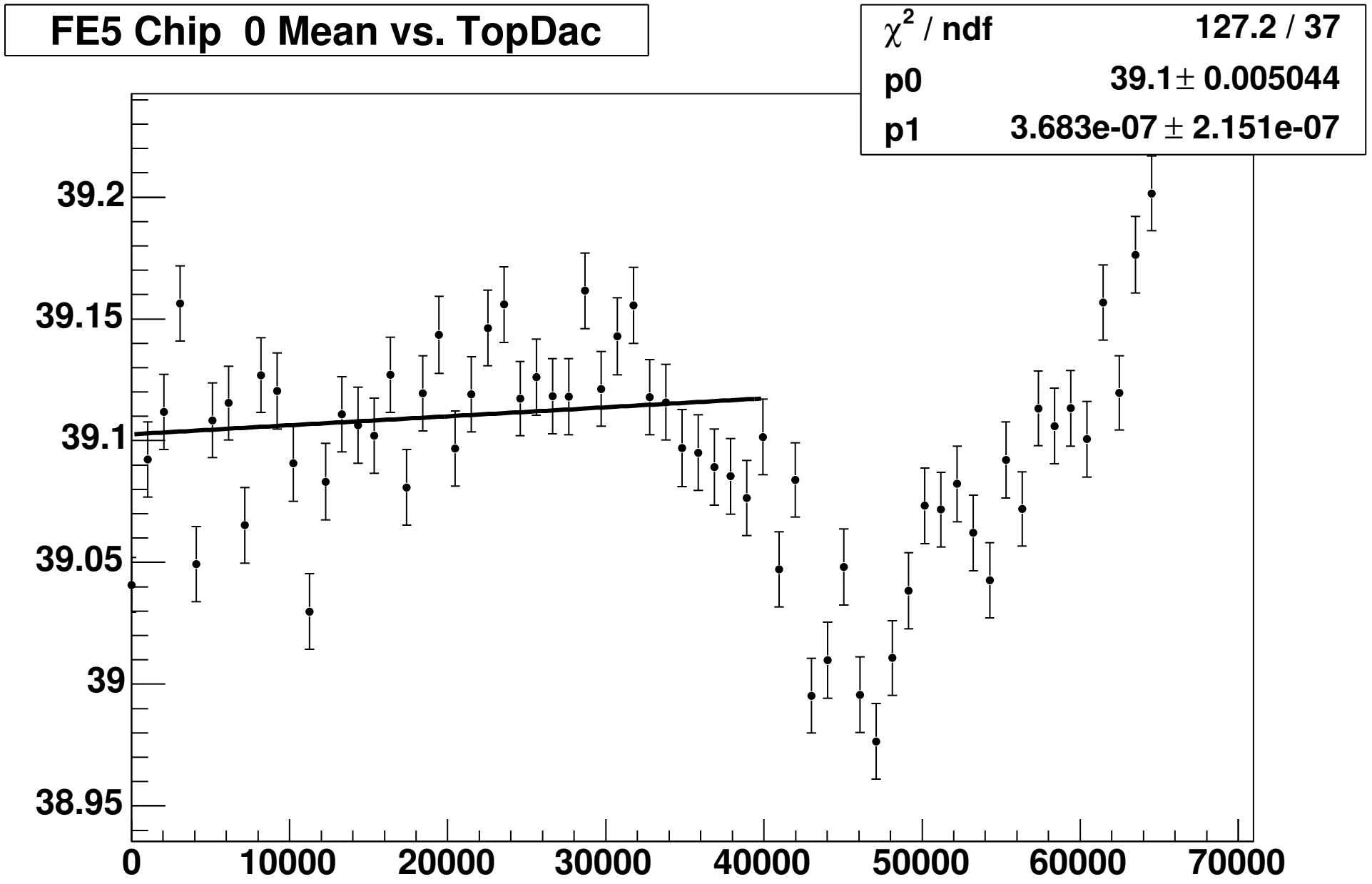

FE4 Chip 11 Rms vs. BotDac
χ² / ndf 29.29 / 37
p0 1.483 ± 0.002712
p1 5.726e-06 ± 9.626e-07
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

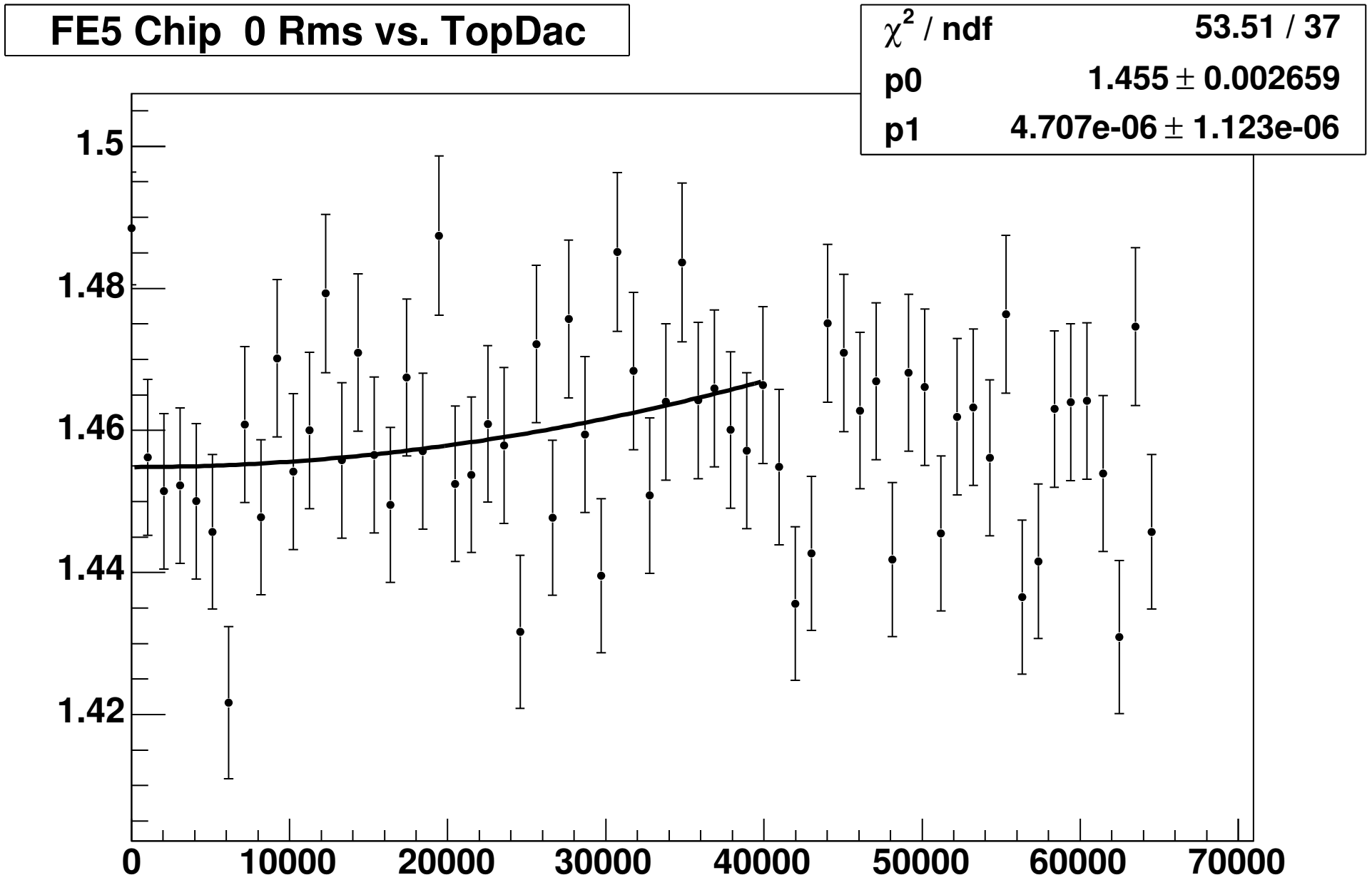

FE4 Chip 11 Mean vs. TopDac
χ² / ndf 3.961e+04 / 37
p0 34.69 ± 0.005173
p1 0.4515 ± 2.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

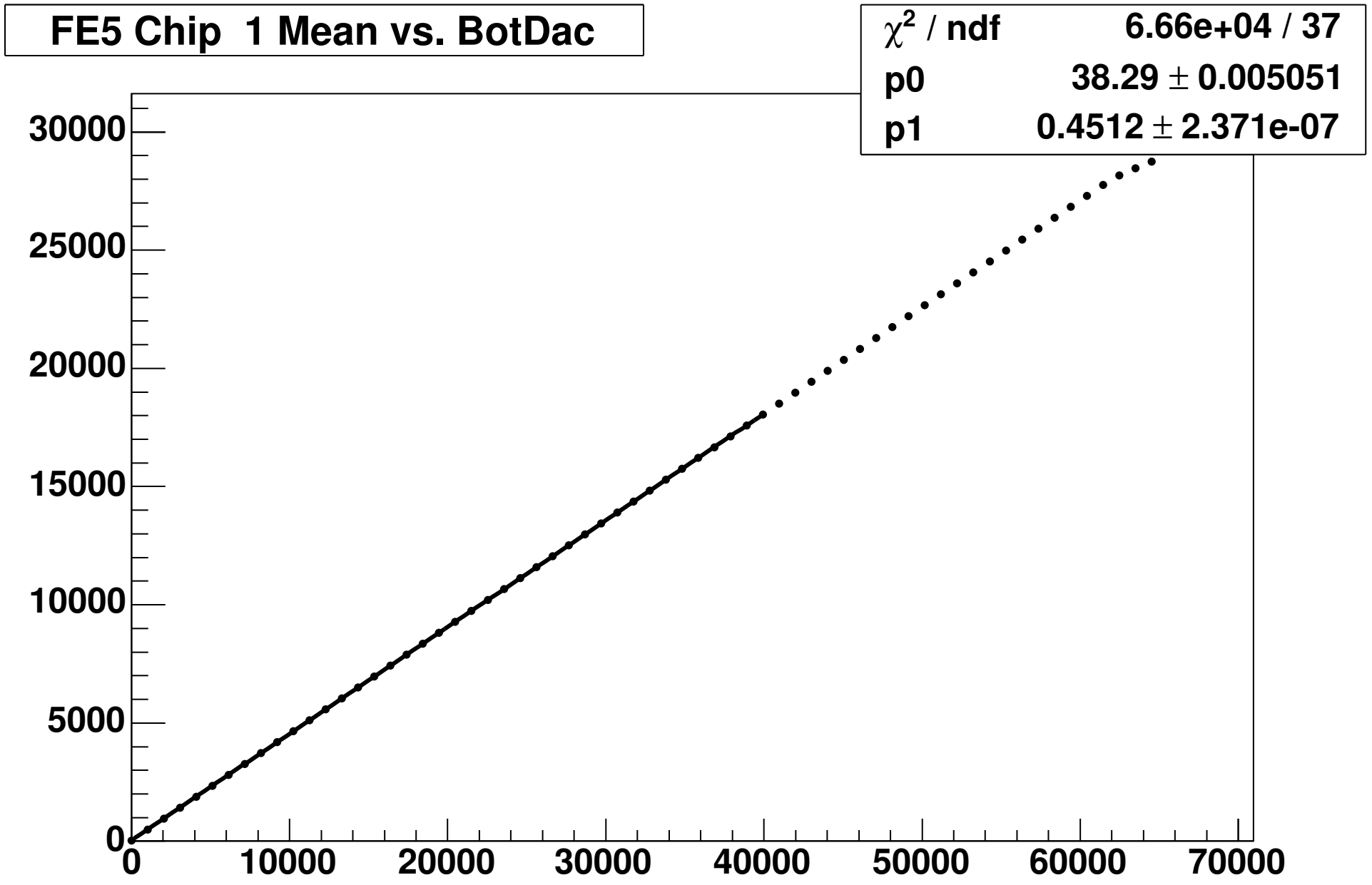

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 950.7 / 37
p0 1.38 ± 0.00283
p1 3.432e-05 ± 2.067e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

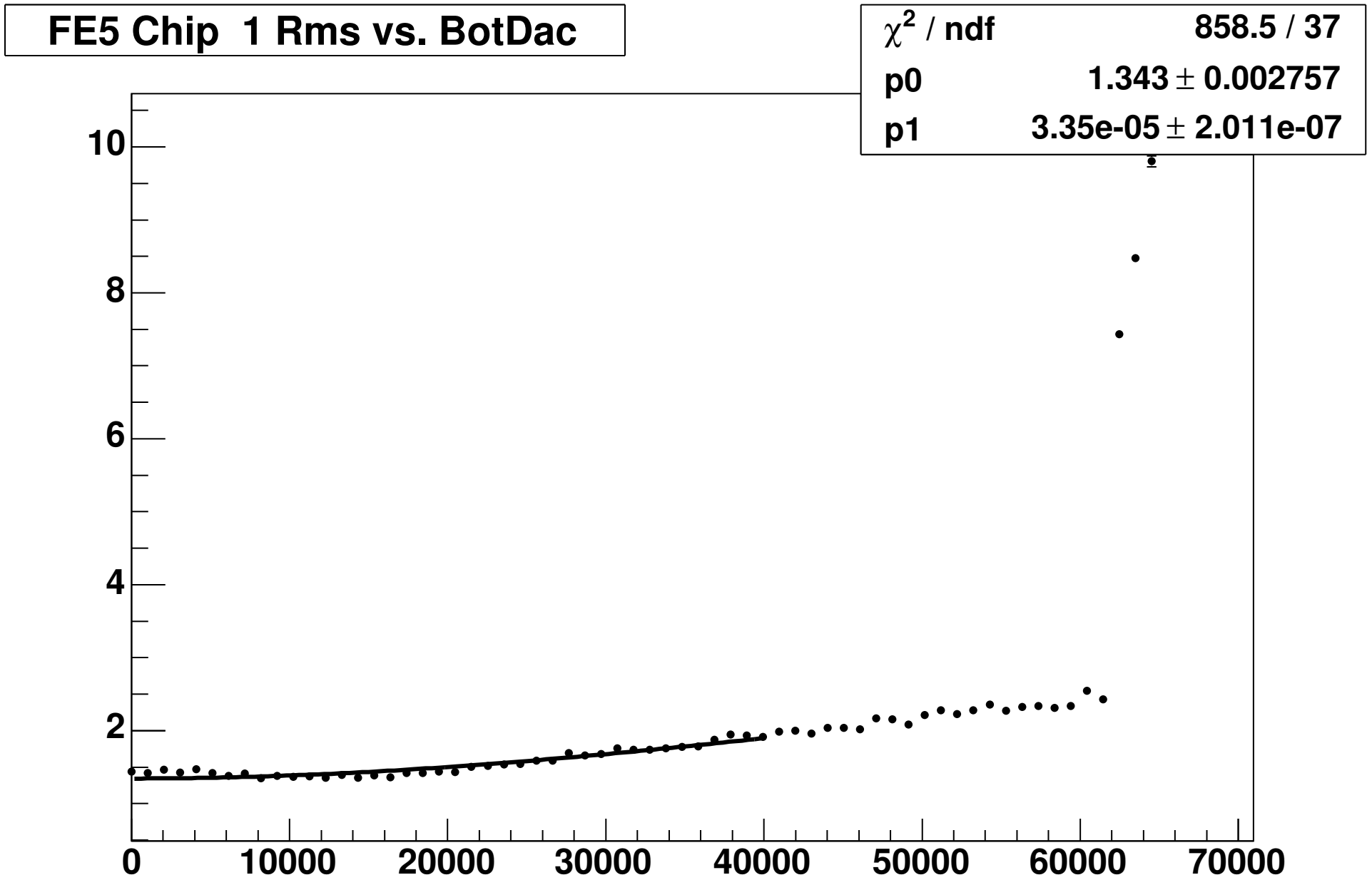

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 8.201e+04 / 37
p0 40.53 ± 0.005109
p1 0.4511 ± 2.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

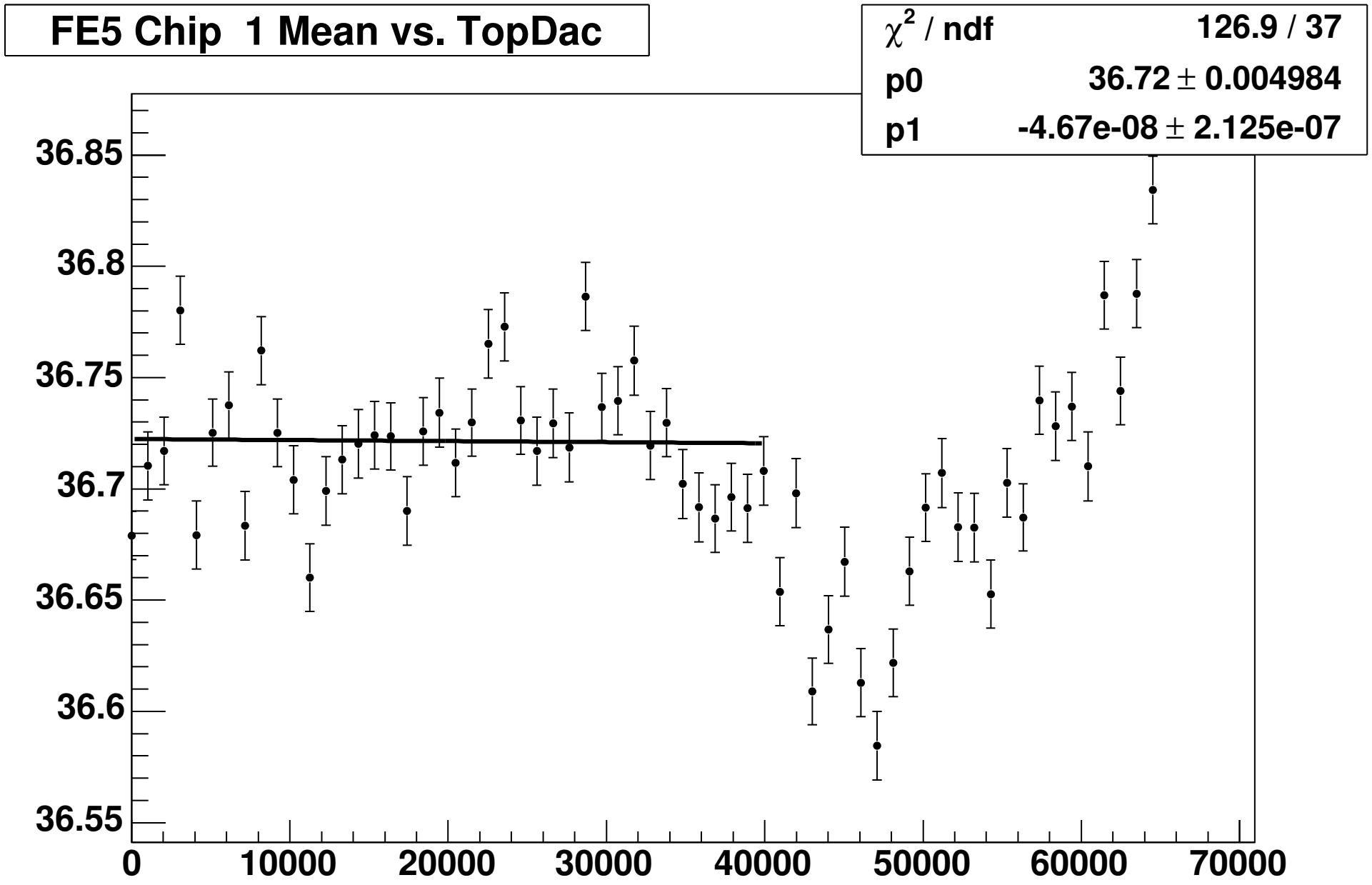

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1016 / 37
p0 1.359 ± 0.002785
p1 3.35e-05 ± 2.045e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

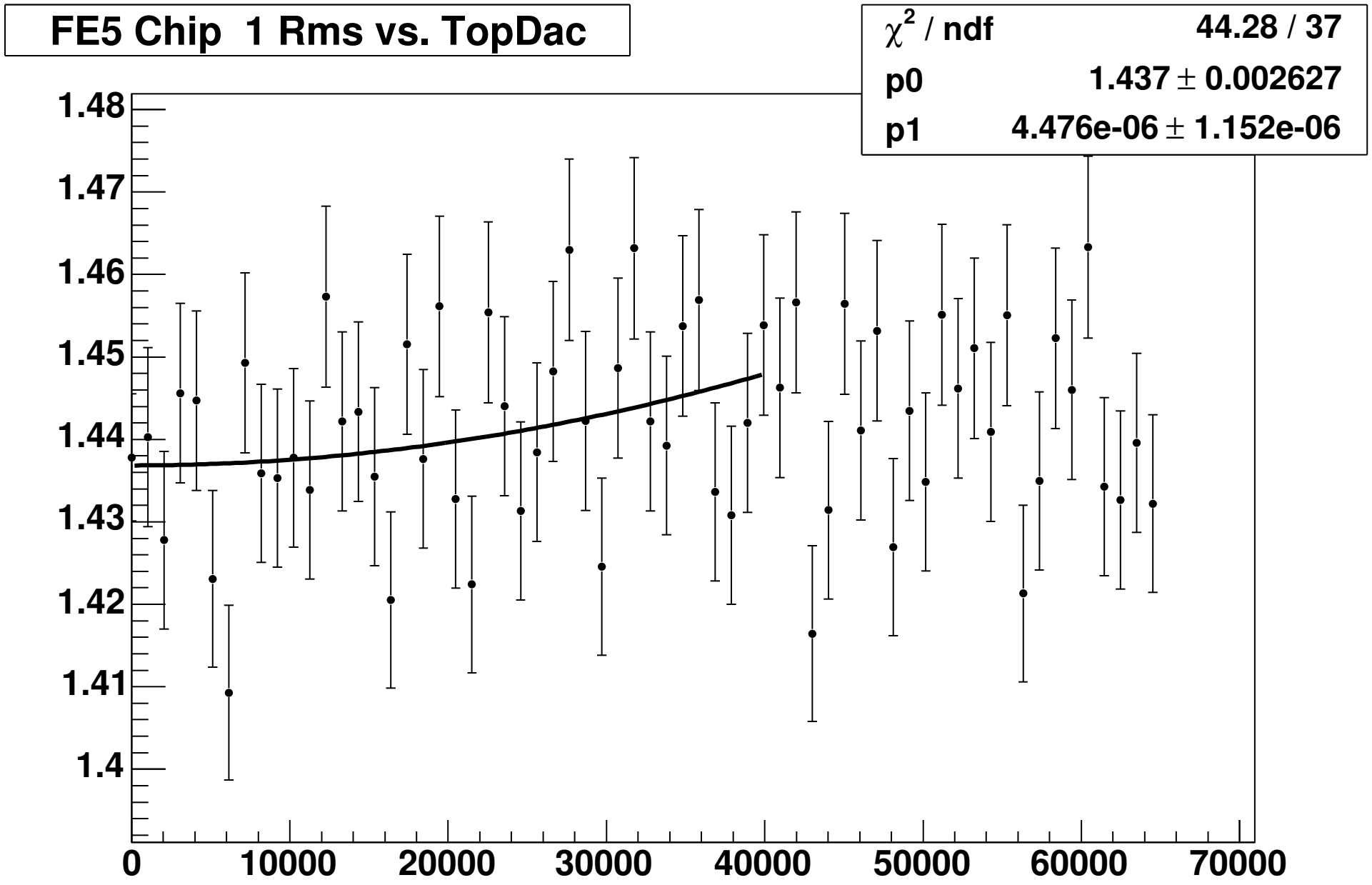

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 127.2 / 37
p0 39.1 ± 0.005044
p1 3.683e-07 ± 2.151e-07
39.2
39.15
39.1
39.05
39
38.95
0
10000
20000
30000
40000
50000
60000
70000

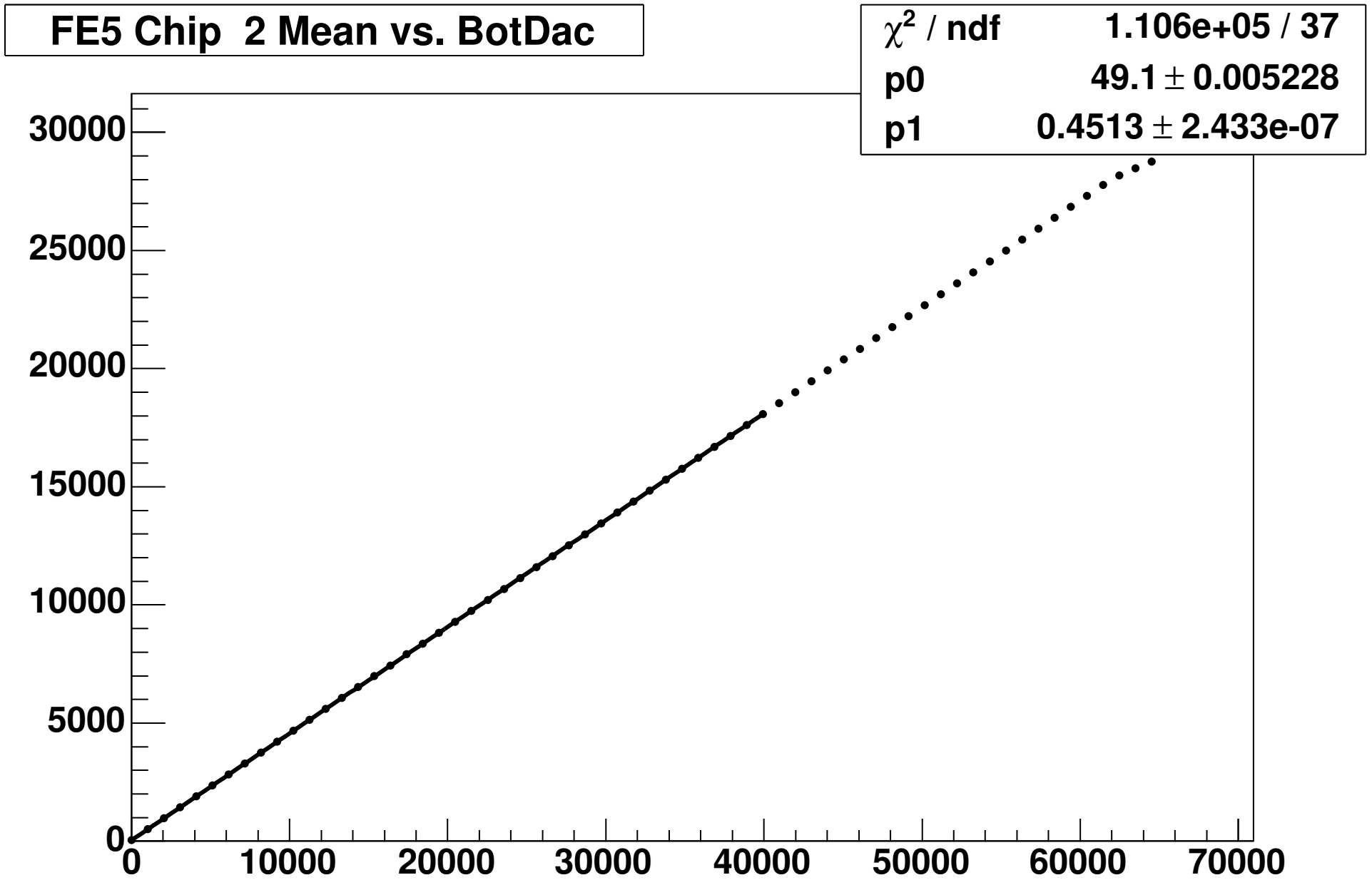

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 53.51 / 37
p0 1.455 ± 0.002659
p1 4.707e-06 ± 1.123e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

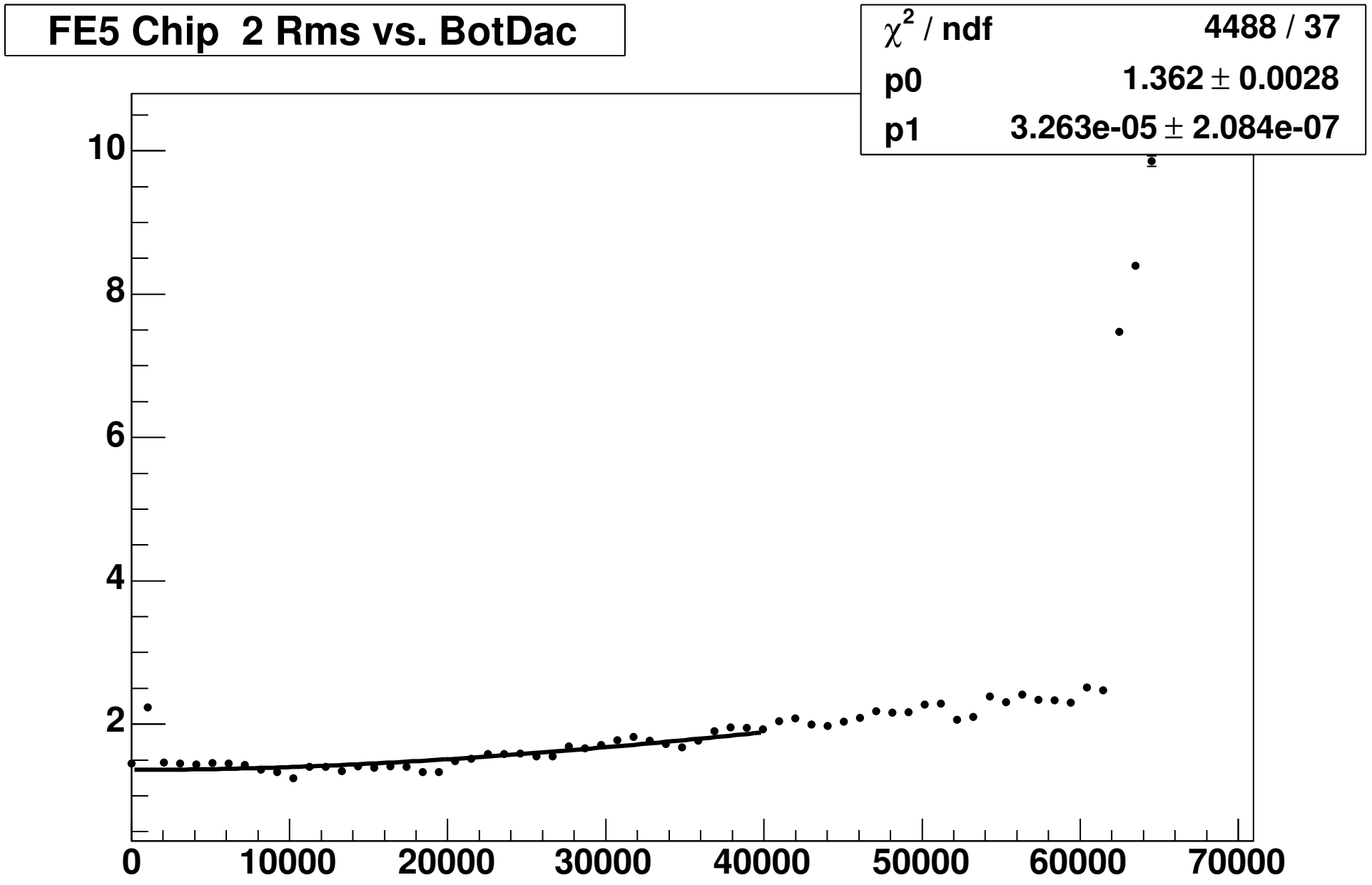

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 6.66e+04 / 37
p0 38.29 ± 0.005051
p1 0.4512 ± 2.371e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

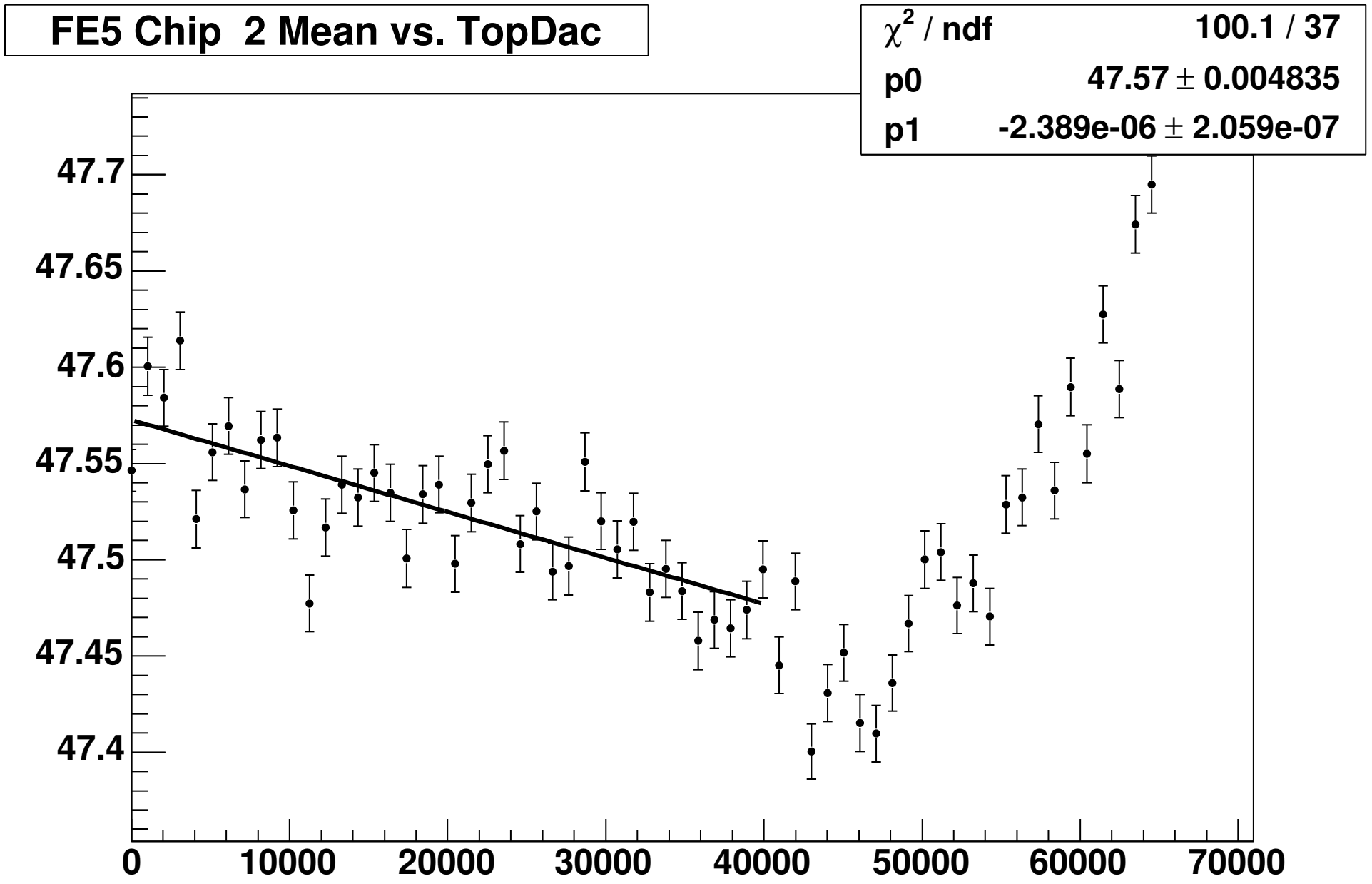

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 858.5 / 37
p0 1.343 ± 0.002757
p1 3.35e-05 ± 2.011e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

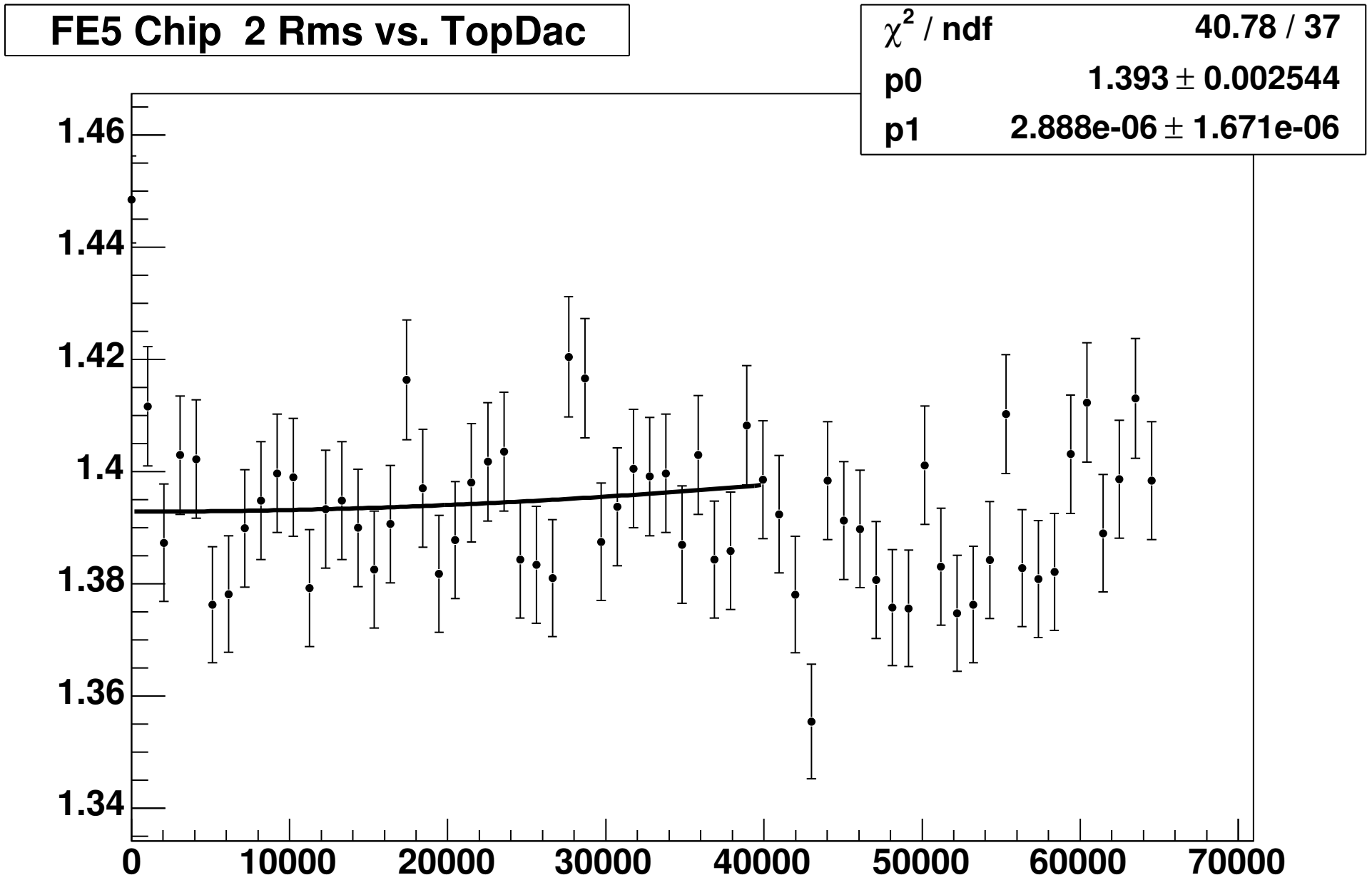

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 126.9 / 37
p0 36.72 ± 0.004984
p1 -4.67e-08 ± 2.125e-07
36.85
36.8
36.75
36.7
36.65
36.6
36.55
0
10000
20000
30000
40000
50000
60000
70000

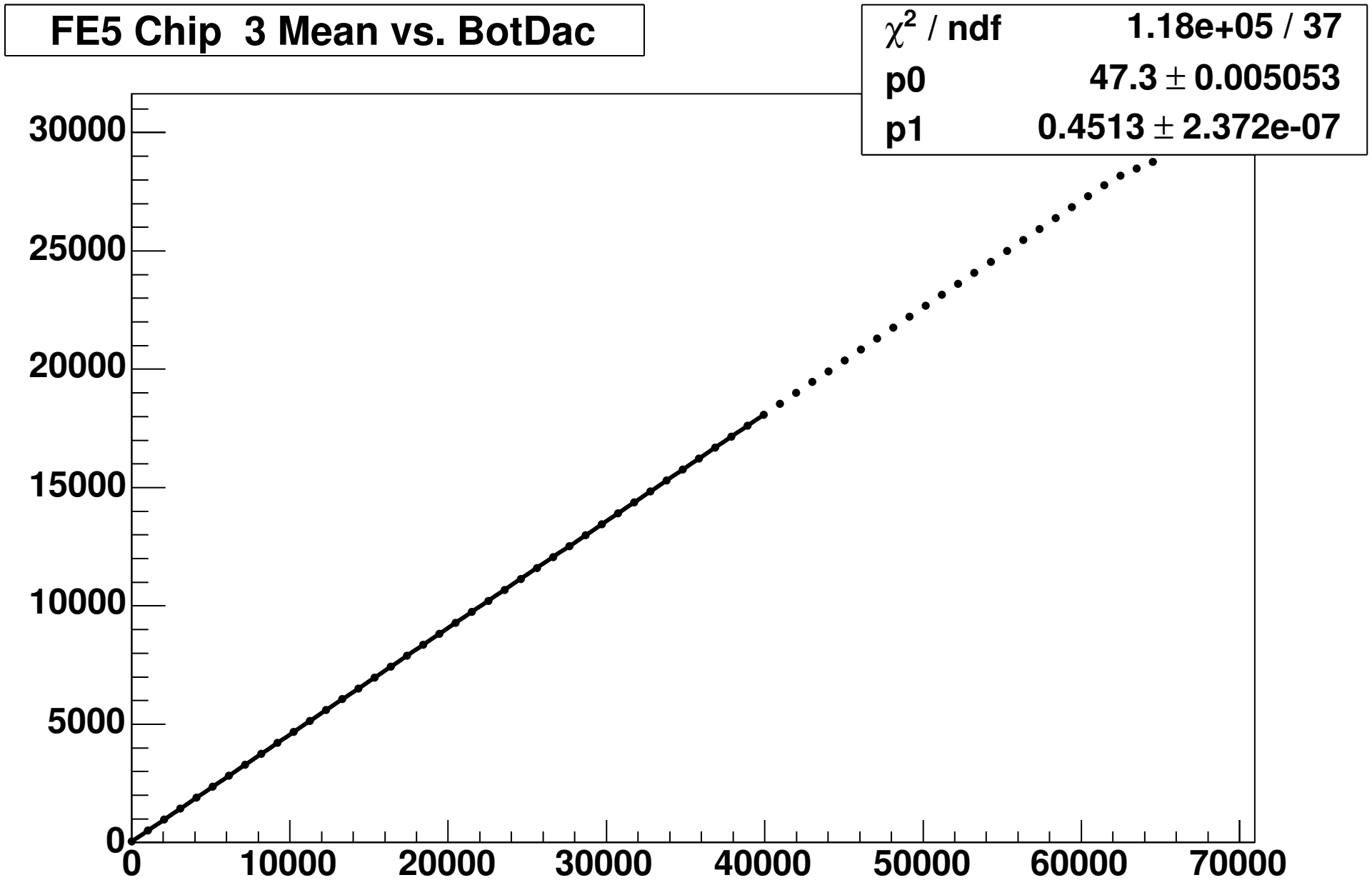

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 44.28 / 37
p0 1.437 ± 0.002627
p1 4.476e-06 ± 1.152e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

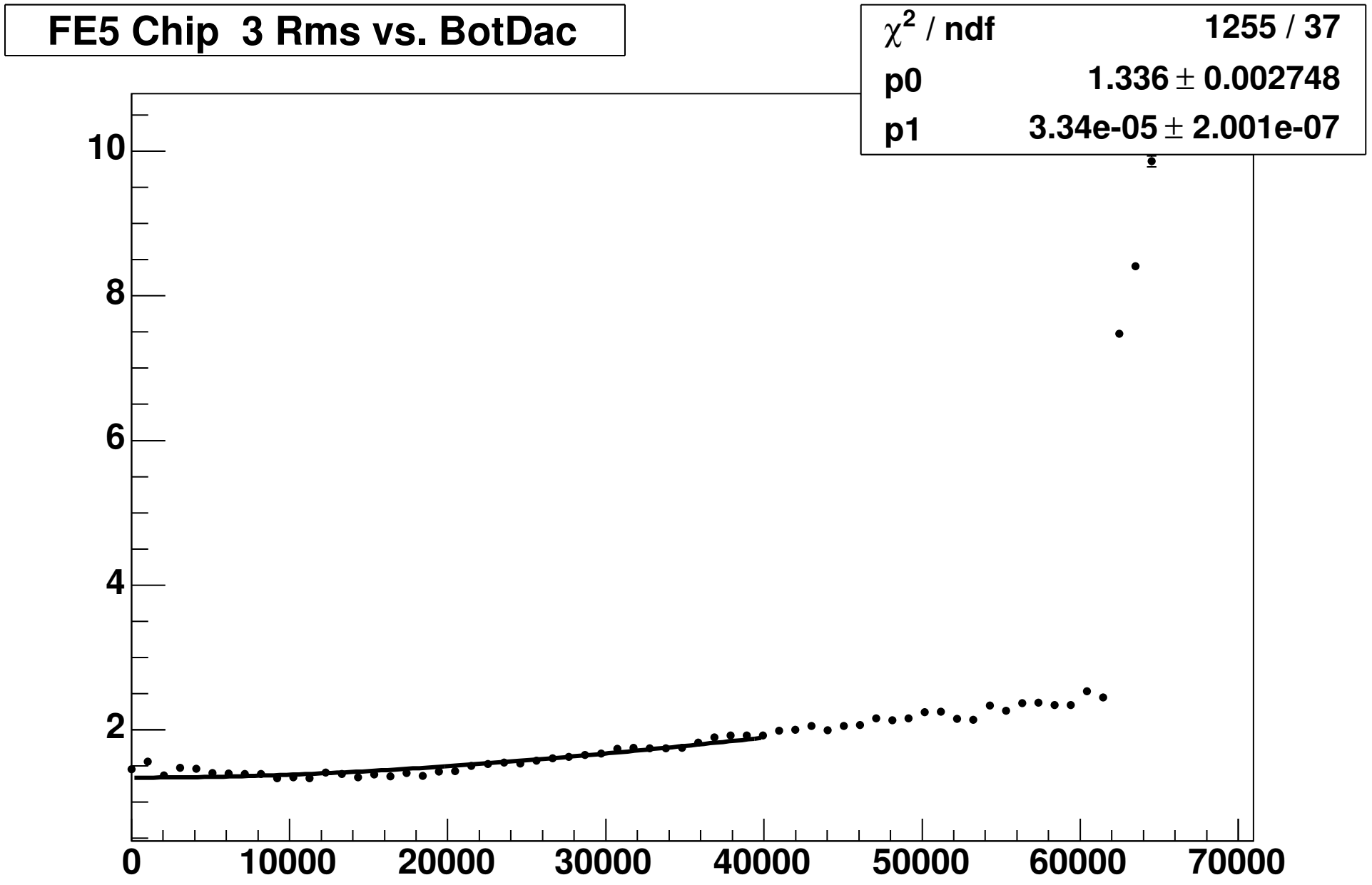

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.106e+05 / 37
p0 49.1 ± 0.005228
p1 0.4513 ± 2.433e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

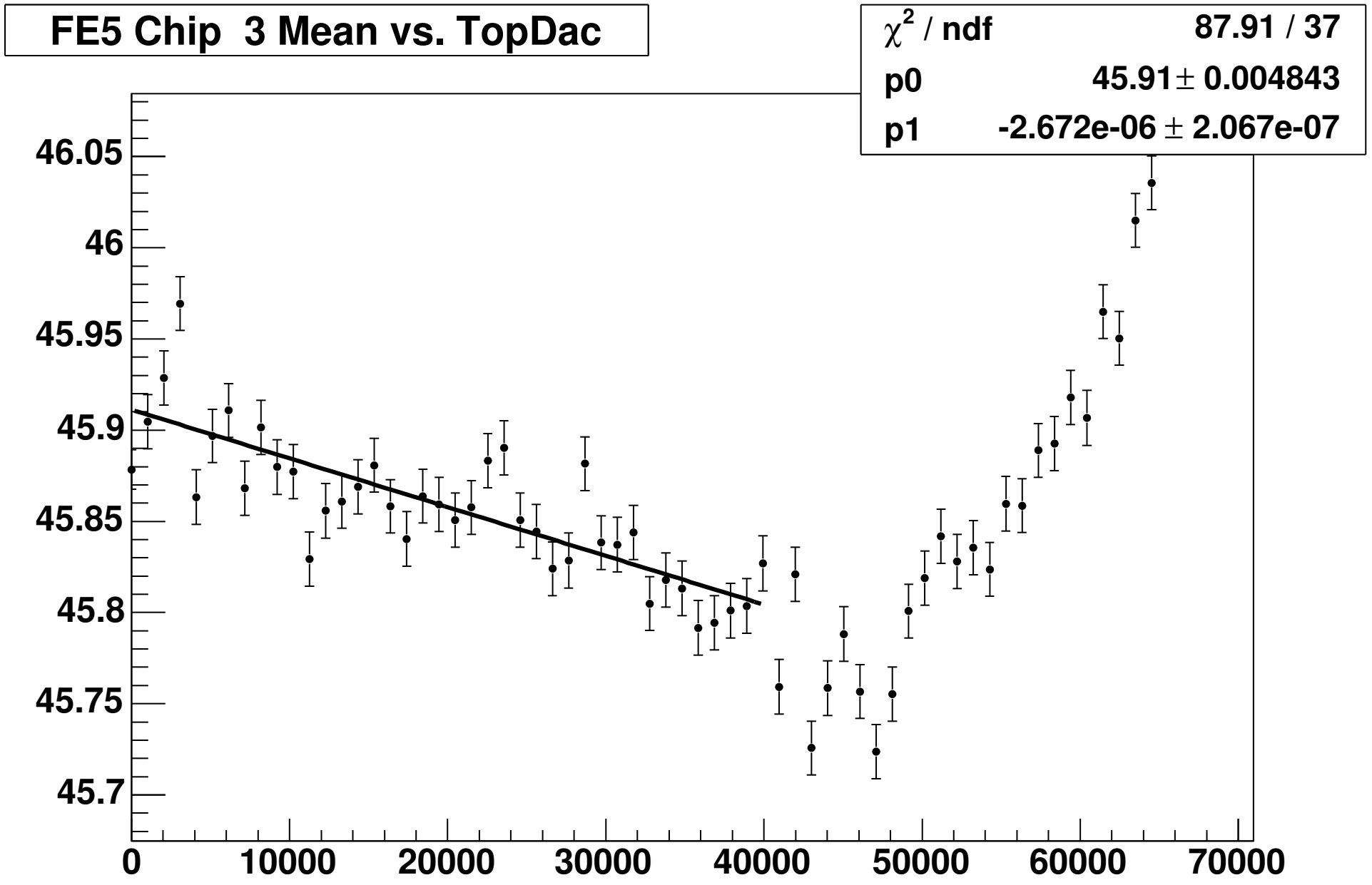

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 4488 / 37
p0 1.362 ± 0.0028
p1 3.263e-05 ± 2.084e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

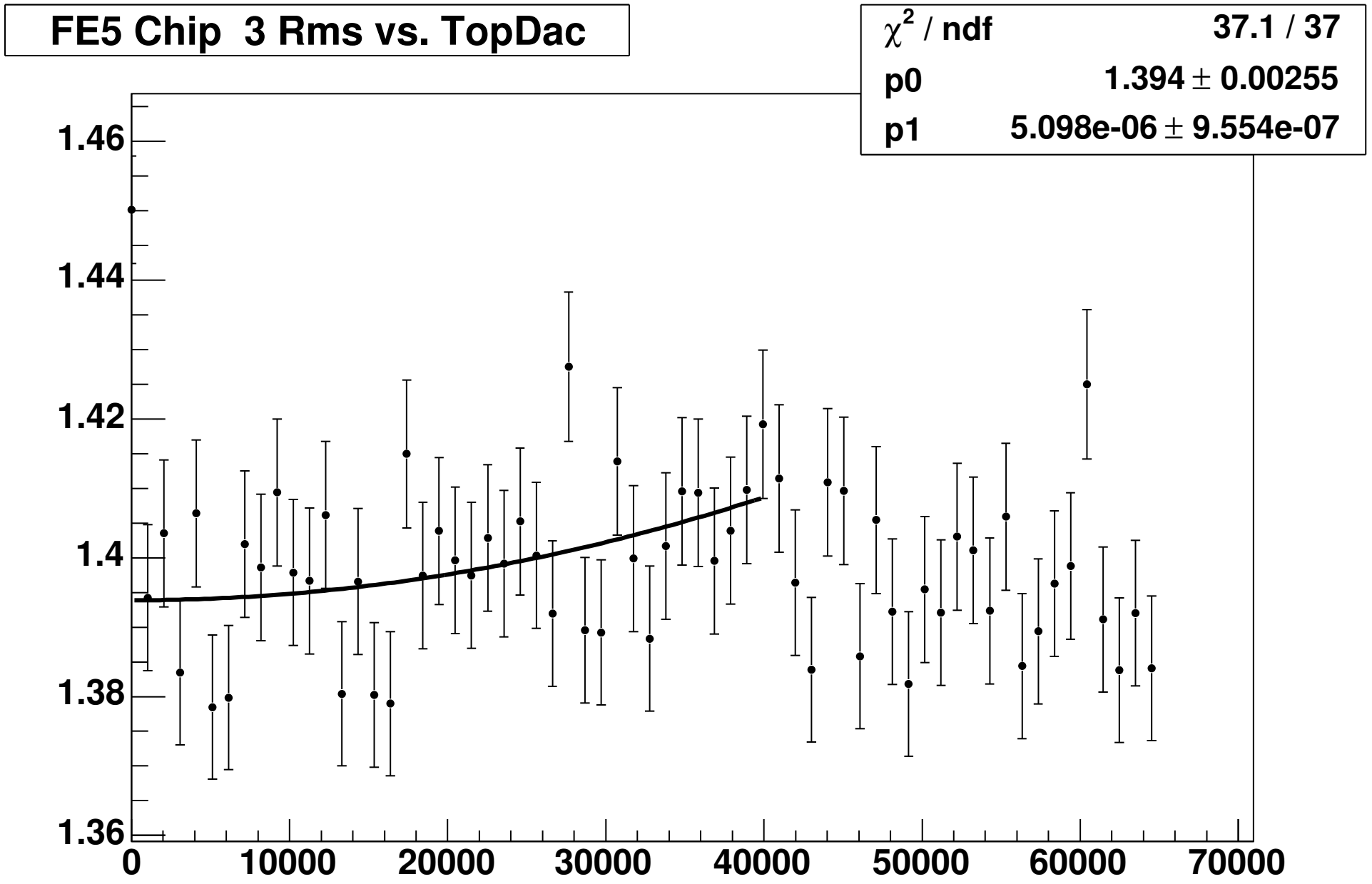

FE5 Chip 2 Mean vs. TopDac
χ^2 / ndf 100.1 / 37
p0 47.57 ± 0.004835
p1 -2.389e-06 ± 2.059e-07
47.7
47.65
47.6
47.55
47.5
47.45
47.4
0
10000
20000
30000
40000
50000
60000
70000

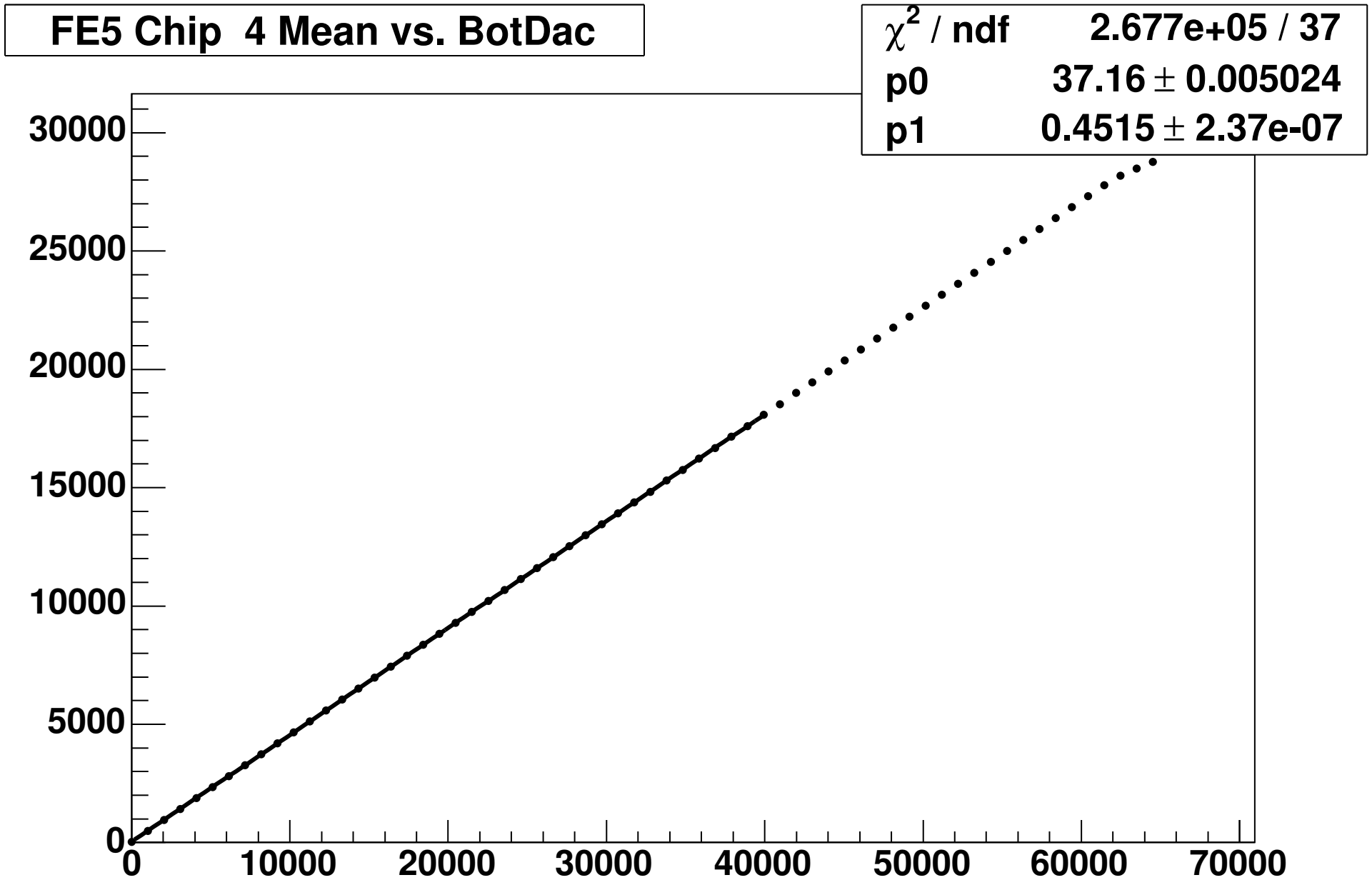

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 40.78 / 37
p0 1.393 ± 0.002544
p1 2.888e-06 ± 1.671e-06
1.46
1.44
1.42
1.4
1.38
1.36
1.34
0
10000
20000
30000
40000
50000
60000
70000

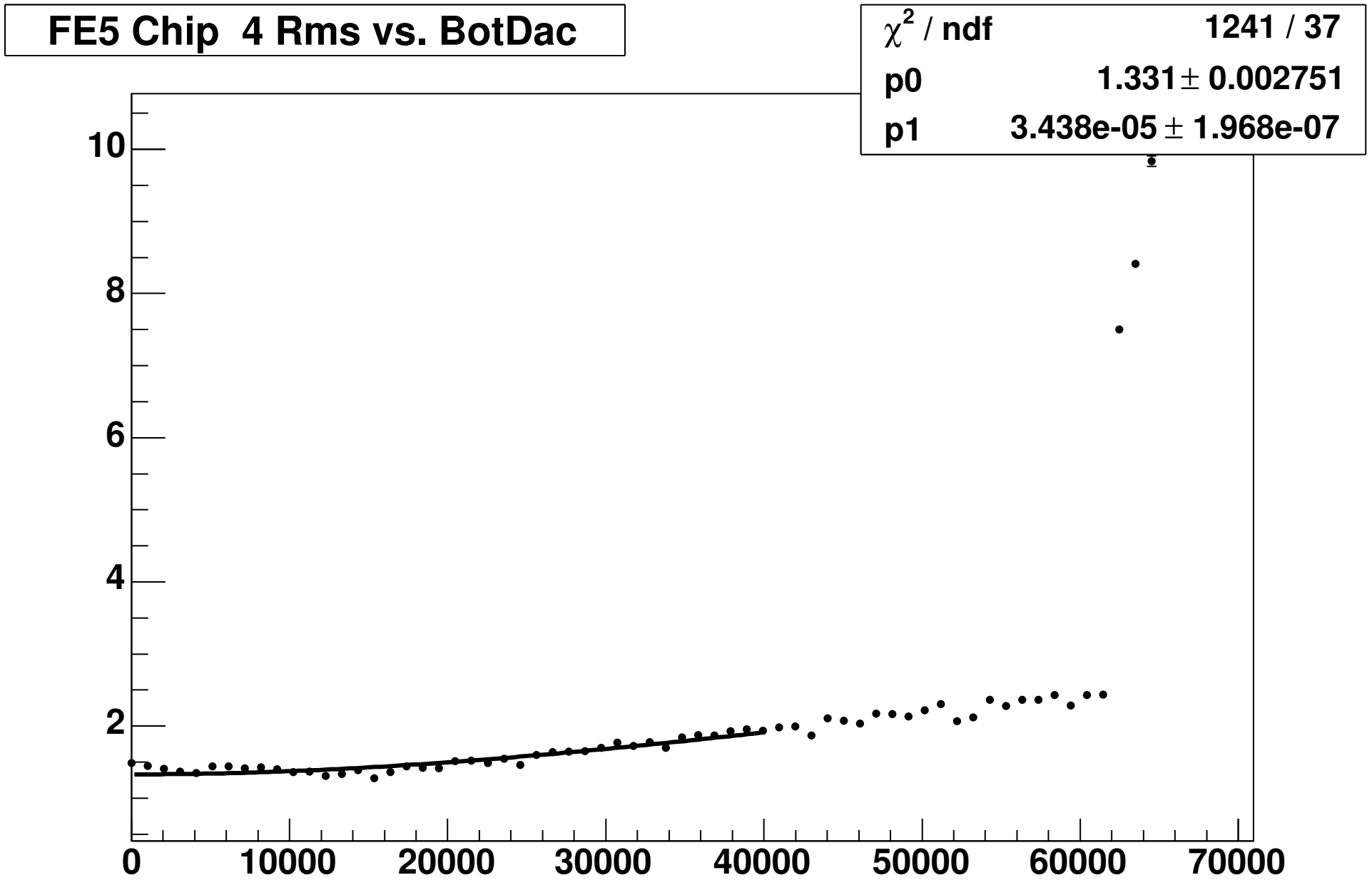

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 1.18e+05 / 37
p0 47.3 ± 0.005053
p1 0.4513 ± 2.372e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

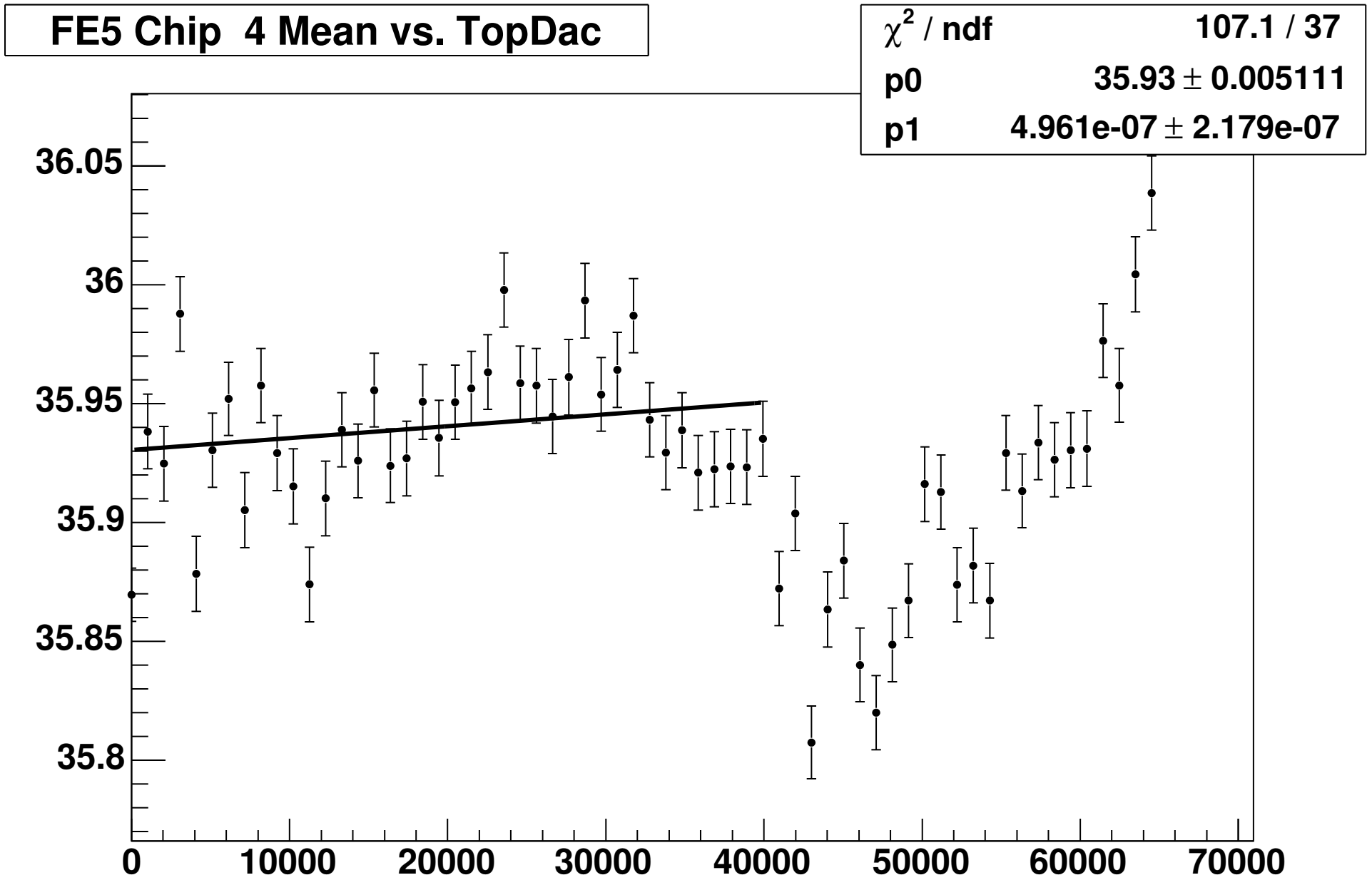

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1255 / 37
p0 1.336 ± 0.002748
p1 3.34e-05 ± 2.001e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

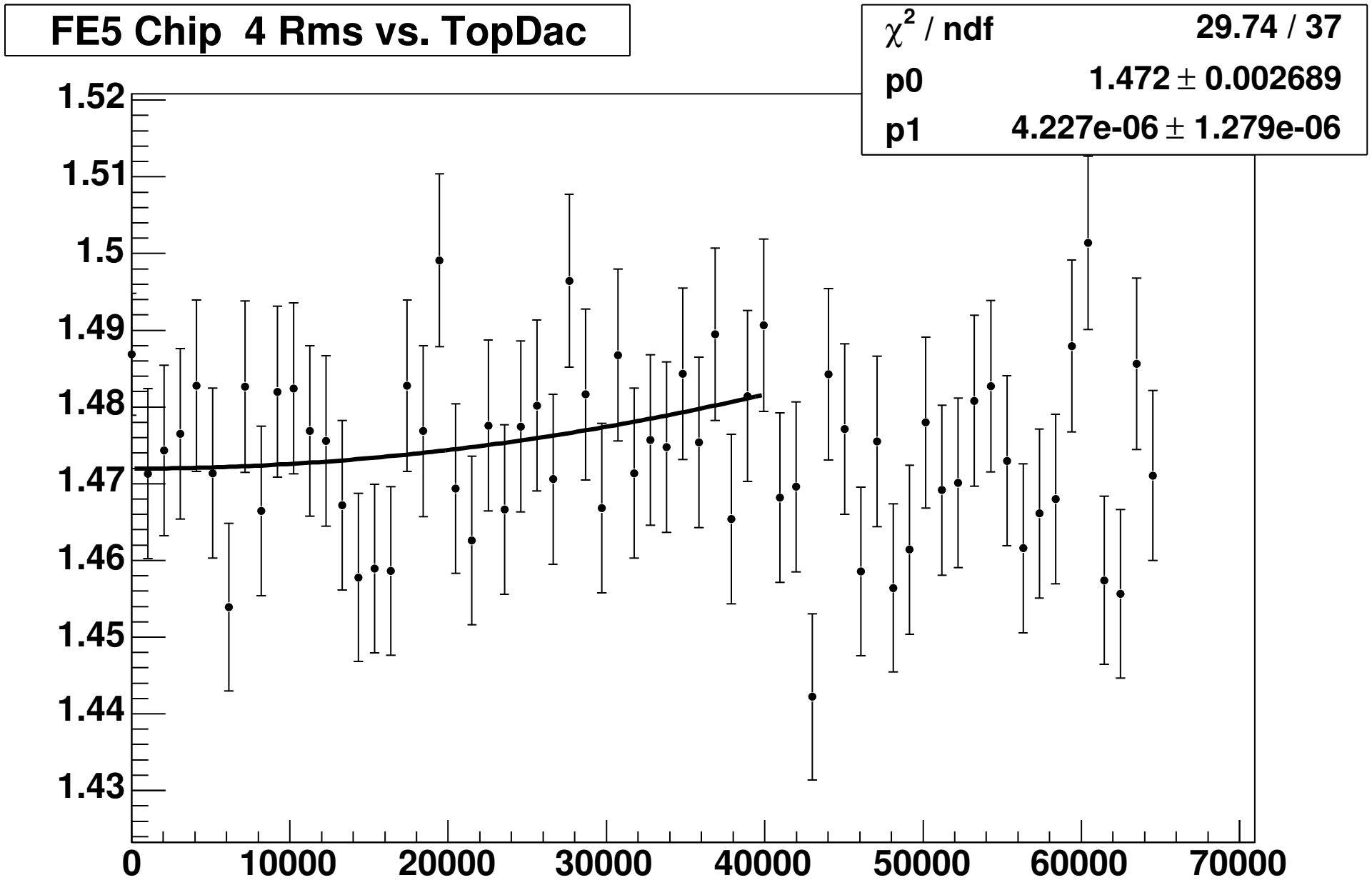

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 87.91 / 37
p0 45.91 ± 0.004843
p1 -2.672e-06 ± 2.067e-07
46.05
46
45.95
45.9
45.85
45.8
45.75
45.7
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. TopDac
χ² / ndf 37.1 / 37
p0 1.394 ± 0.00255
p1 5.098e-06 ± 9.554e-07
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. BotDac
χ² / ndf 2.677e+05 / 37
p0 37.16 ± 0.005024
p1 0.4515 ± 2.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 1241 / 37
p0 1.331 ± 0.002751
p1 3.438e-05 ± 1.968e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 107.1 / 37
p0 35.93 ± 0.005111
p1 4.961e-07 ± 2.179e-07
36.05
36
35.95
35.9
35.85
35.8
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 29.74 / 37
p0 1.472 ± 0.002689
p1 4.227e-06 ± 1.279e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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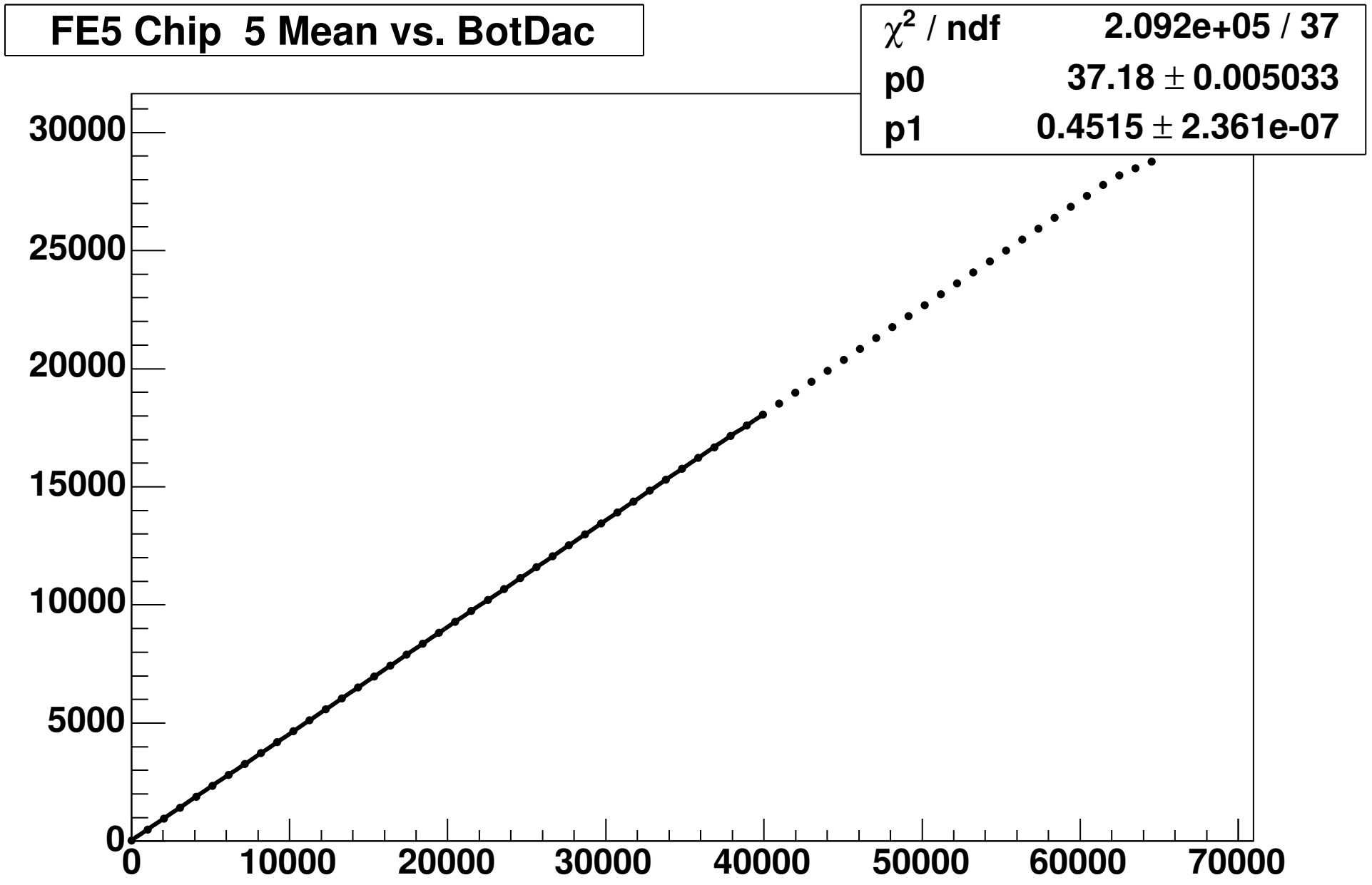
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 2.092e+05 / 37
p0 37.18 ± 0.005033
p1 0.4515 ± 2.361e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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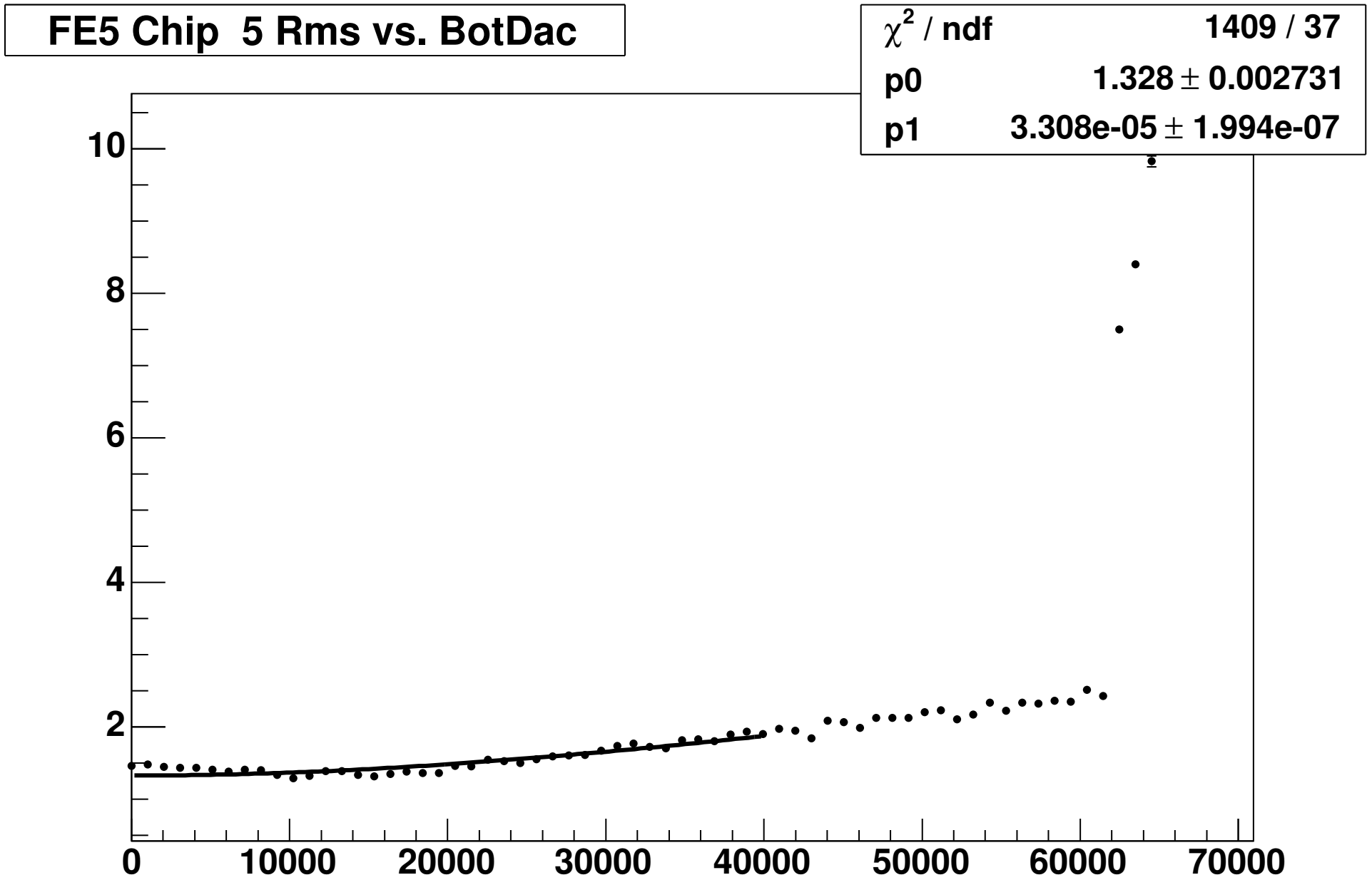
FE5 Chip 5 Rms vs. BotDac
χ² / ndf 1409 / 37
p0 1.328 ± 0.002731
p1 3.308e-05 ± 1.994e-07
10
8
6
4
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0
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40000
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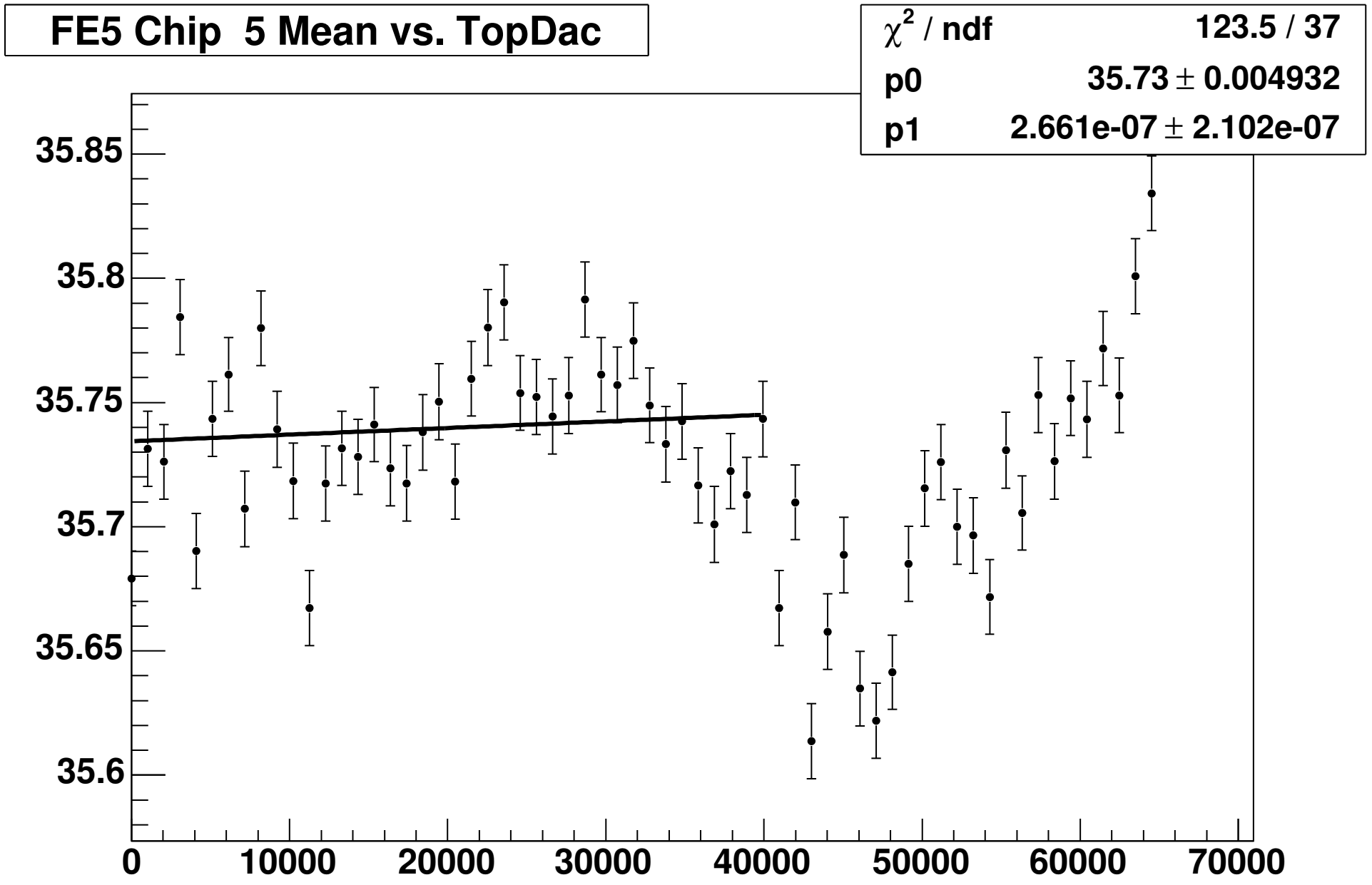
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 123.5 / 37
p0 35.73 ± 0.004932
p1 2.661e-07 ± 2.102e-07
35.85
35.8
35.75
35.7
35.65
35.6
0
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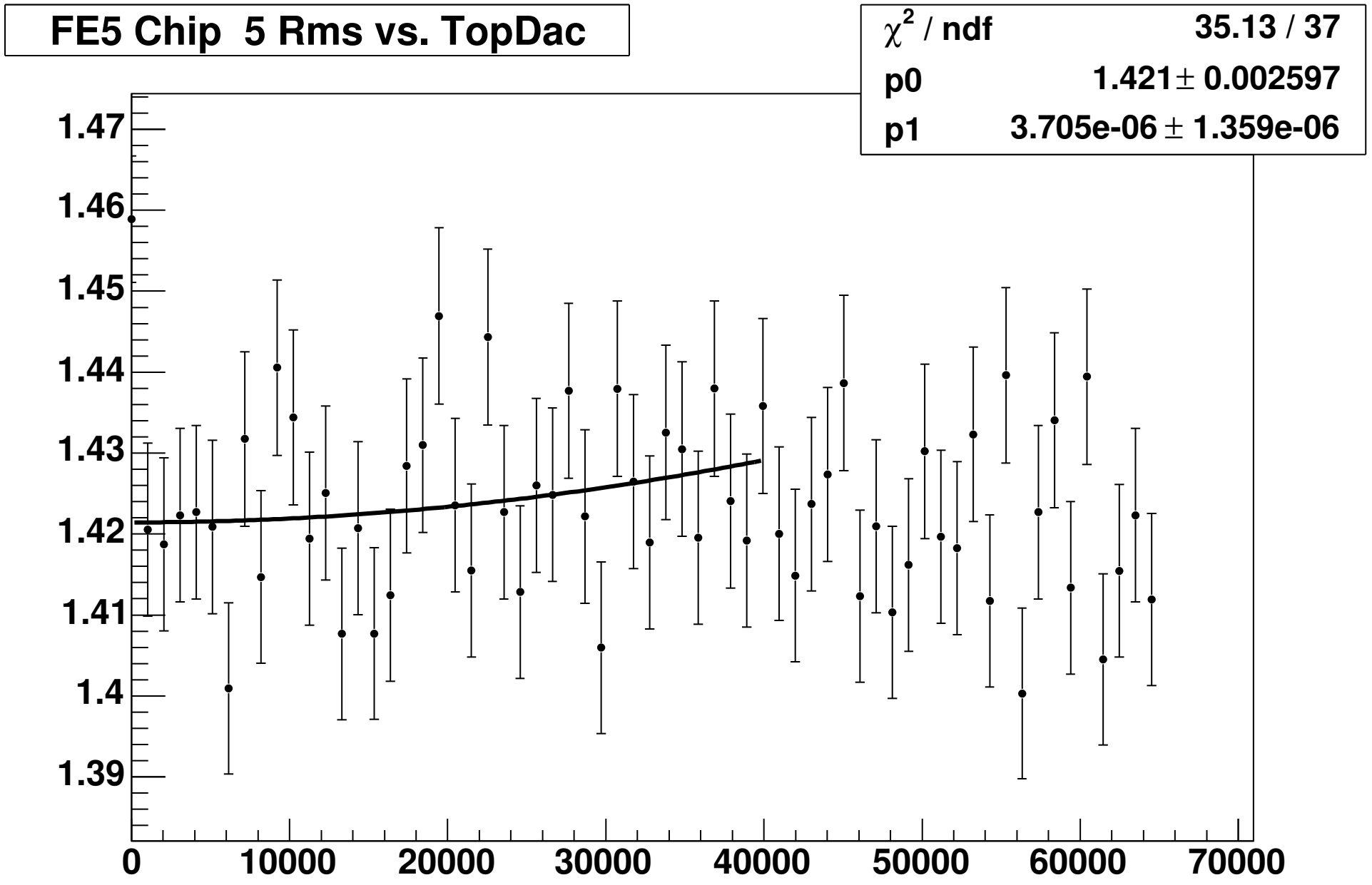
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 35.13 / 37
p0 1.421 ± 0.002597
p1 3.705e-06 ± 1.359e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
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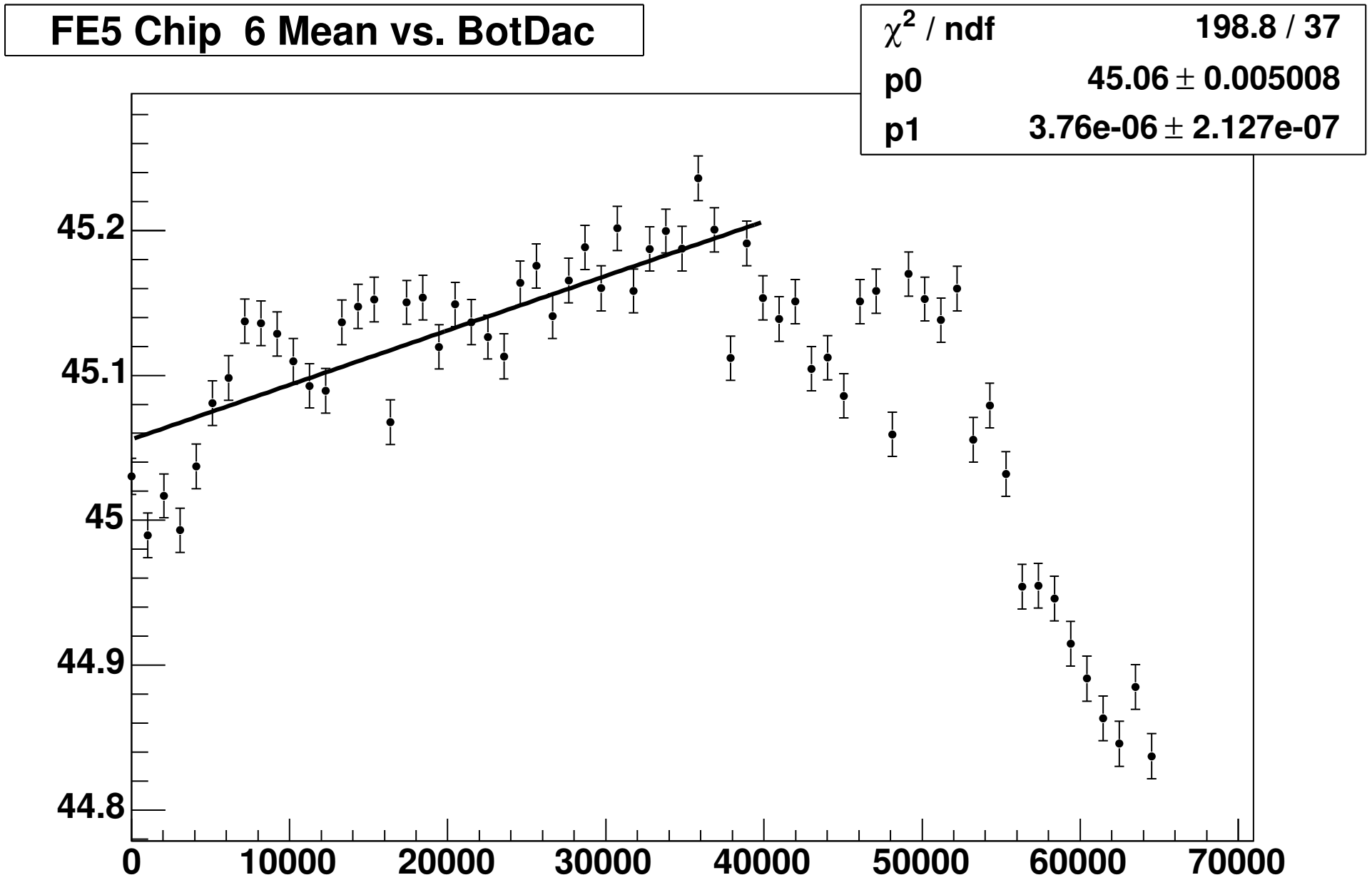
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 198.8 / 37
p0 45.06 ± 0.005008
p1 3.76e-06 ± 2.127e-07
45.2
45.1
45
44.9
44.8
0
10000
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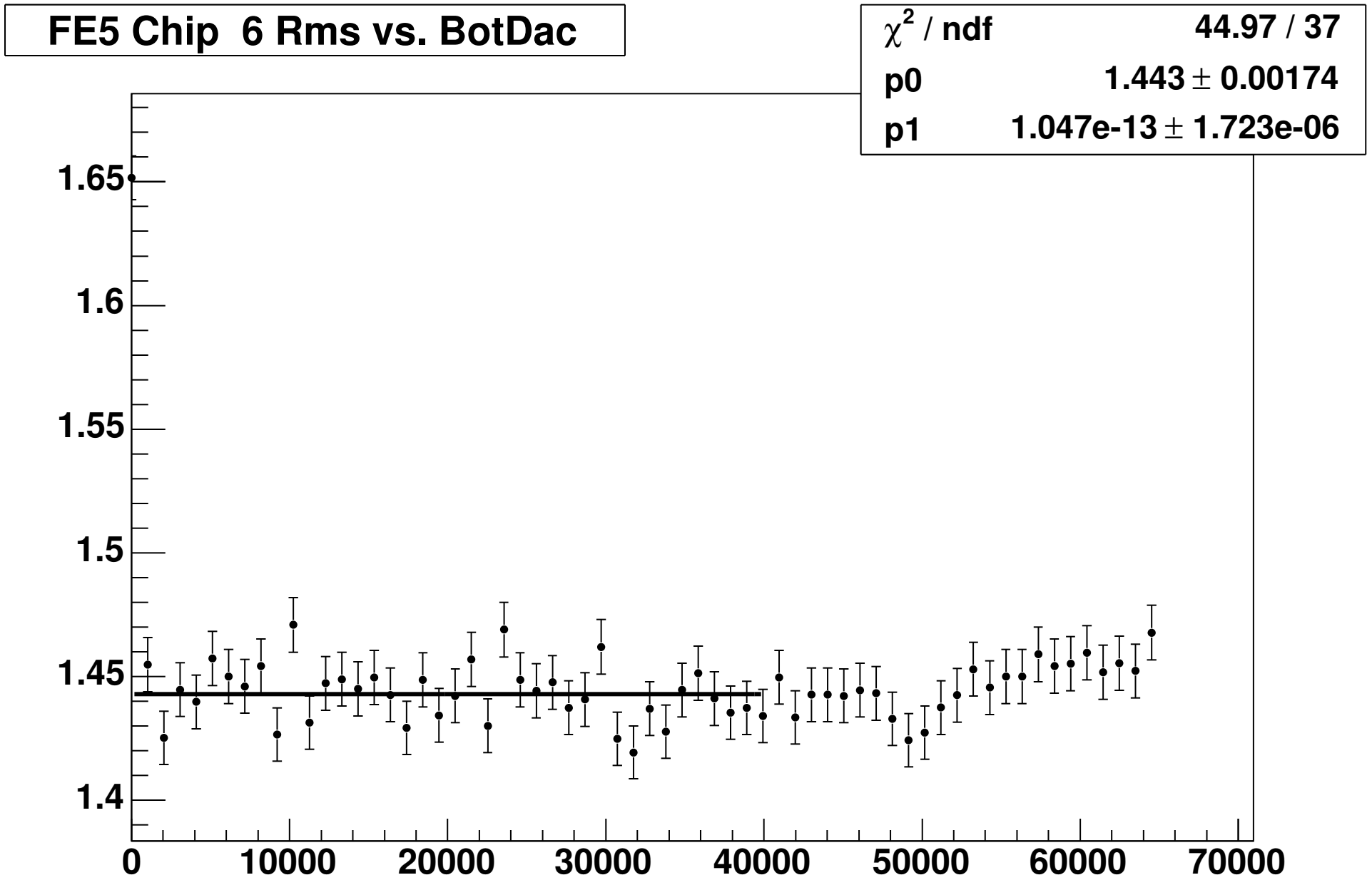
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 44.97 / 37
p0 1.443 ± 0.00174
p1 1.047e-13 ± 1.723e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
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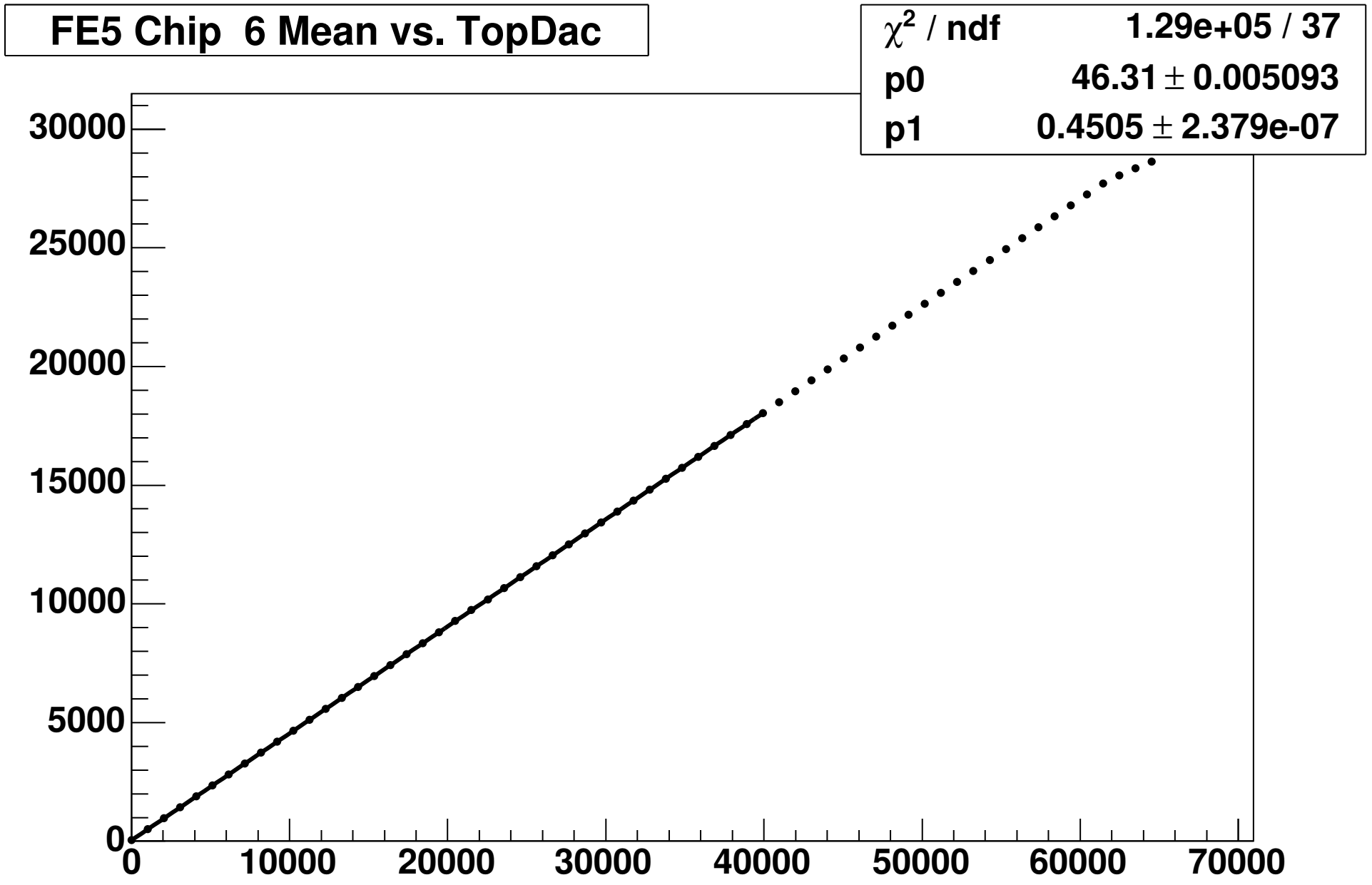
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.29e+05 / 37
p0 46.31 ± 0.005093
p1 0.4505 ± 2.379e-07
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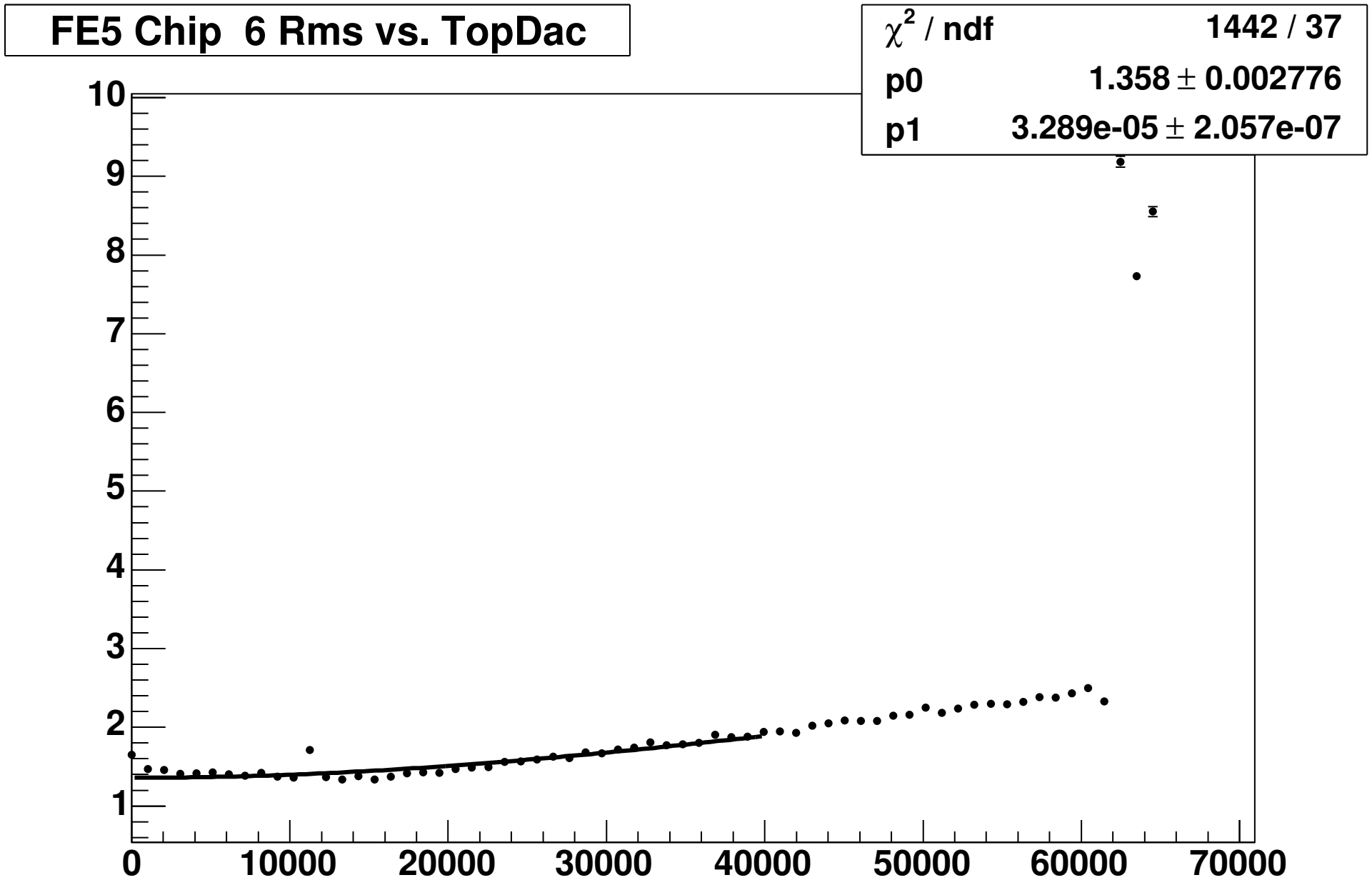
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1442 / 37
p0 1.358 ± 0.002776
p1 3.289e-05 ± 2.057e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
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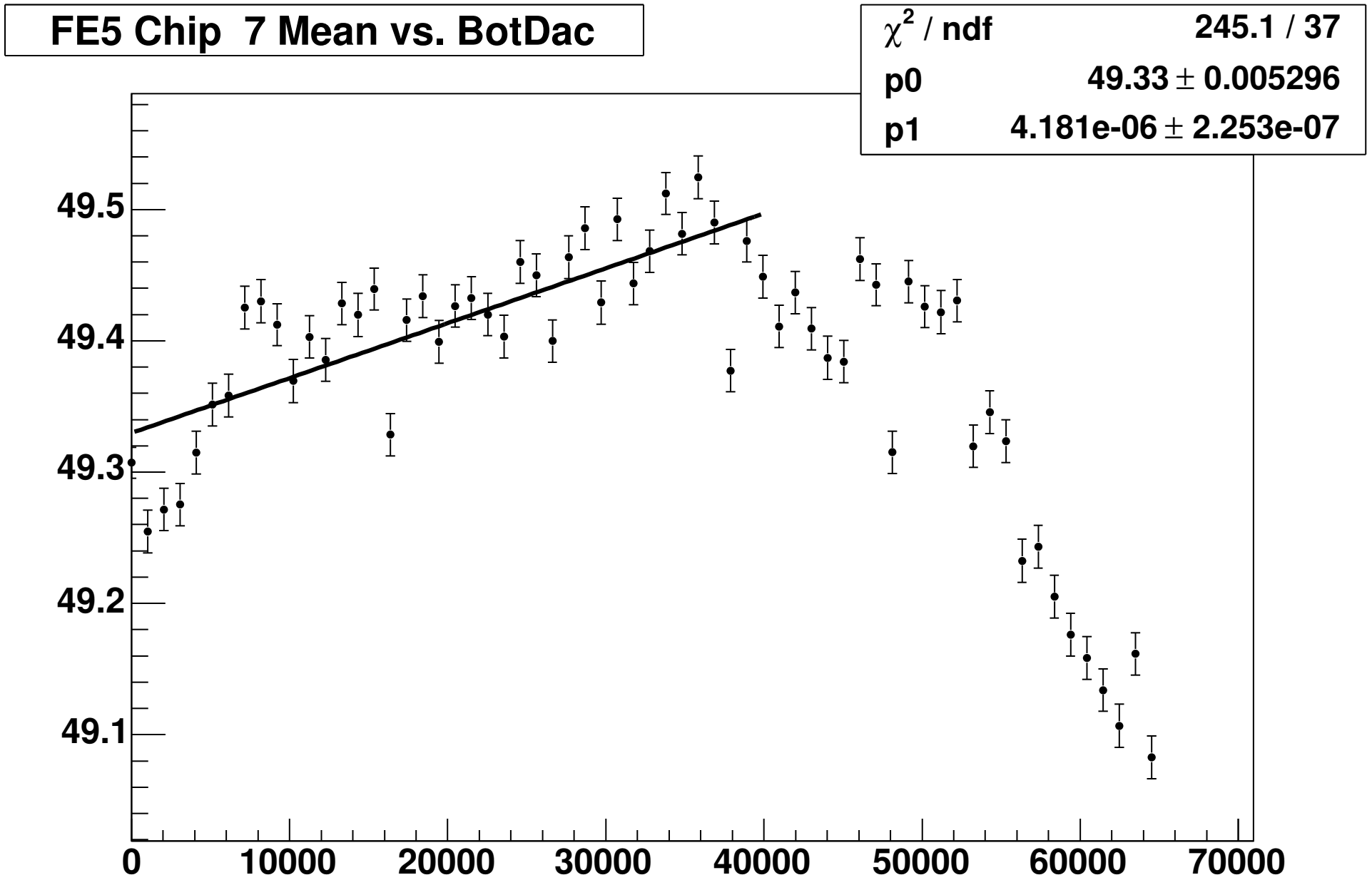
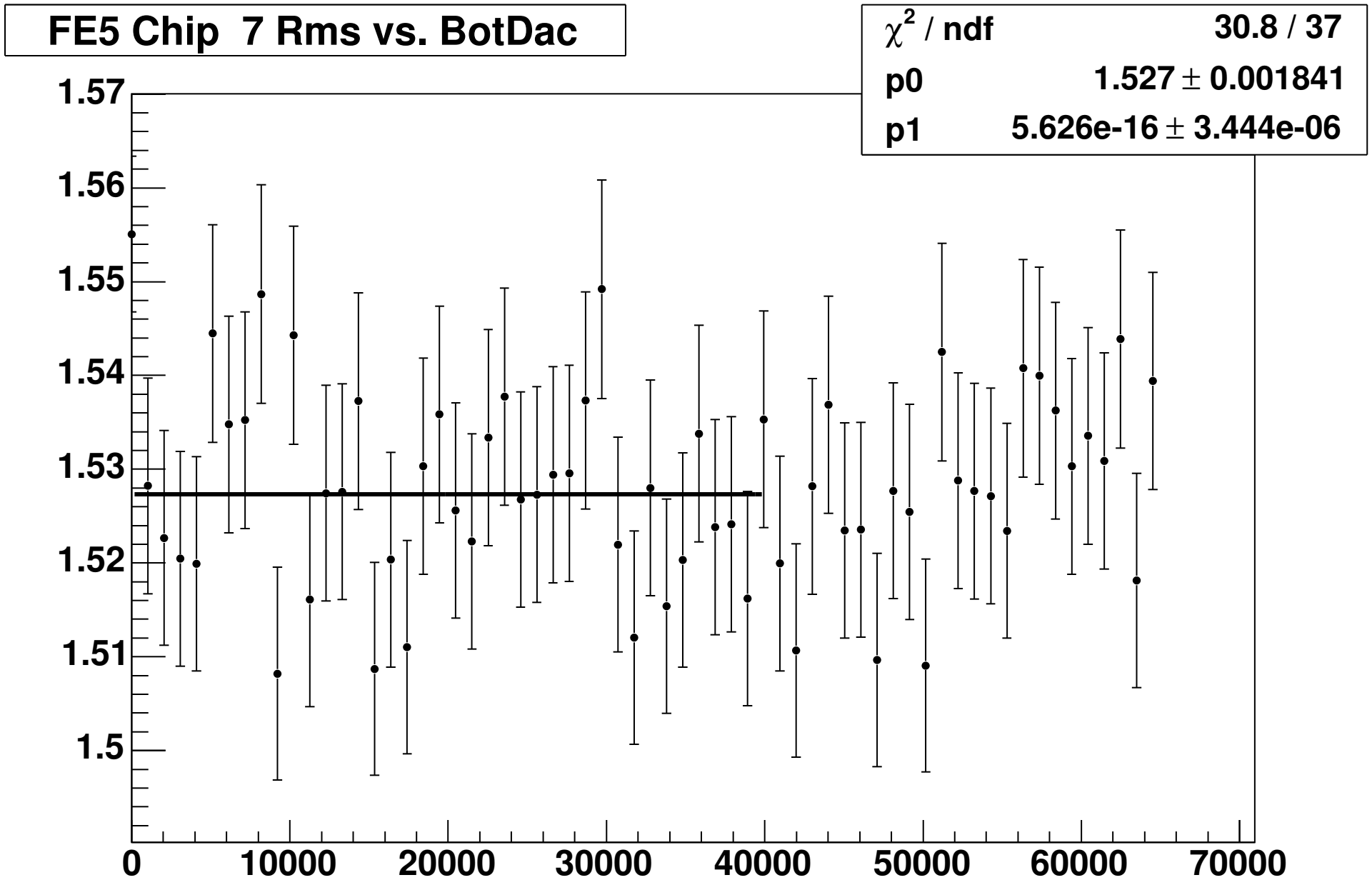

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 245.1 / 37
p0 49.33 ± 0.005296
p1 4.181e-06 ± 2.253e-07
49.5
49.4
49.3
49.2
49.1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 30.8 / 37
p0 1.527 ± 0.001841
p1 5.626e-16 ± 3.444e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
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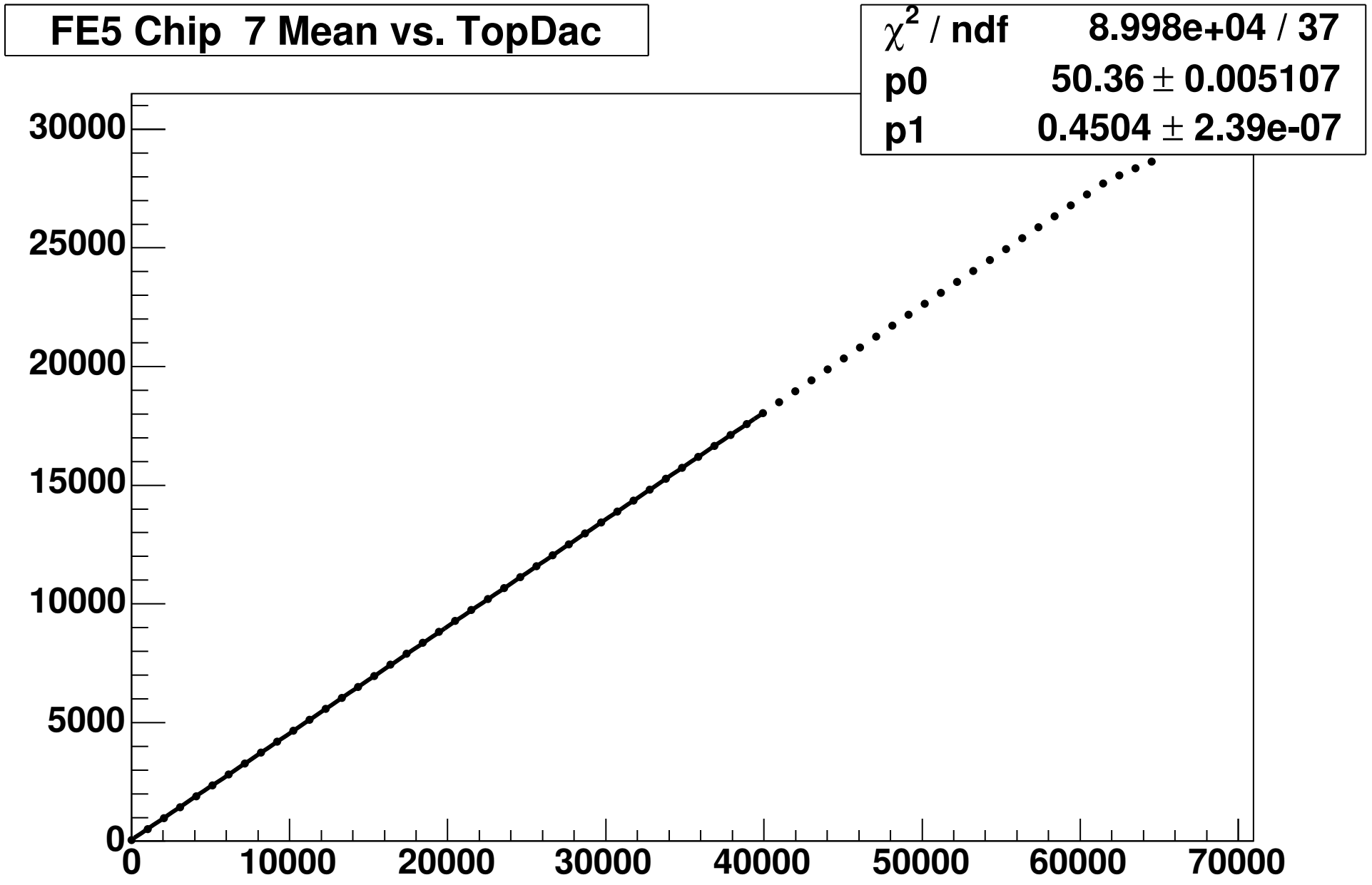
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 8.998e+04 / 37
p0 50.36 ± 0.005107
p1 0.4504 ± 2.39e-07
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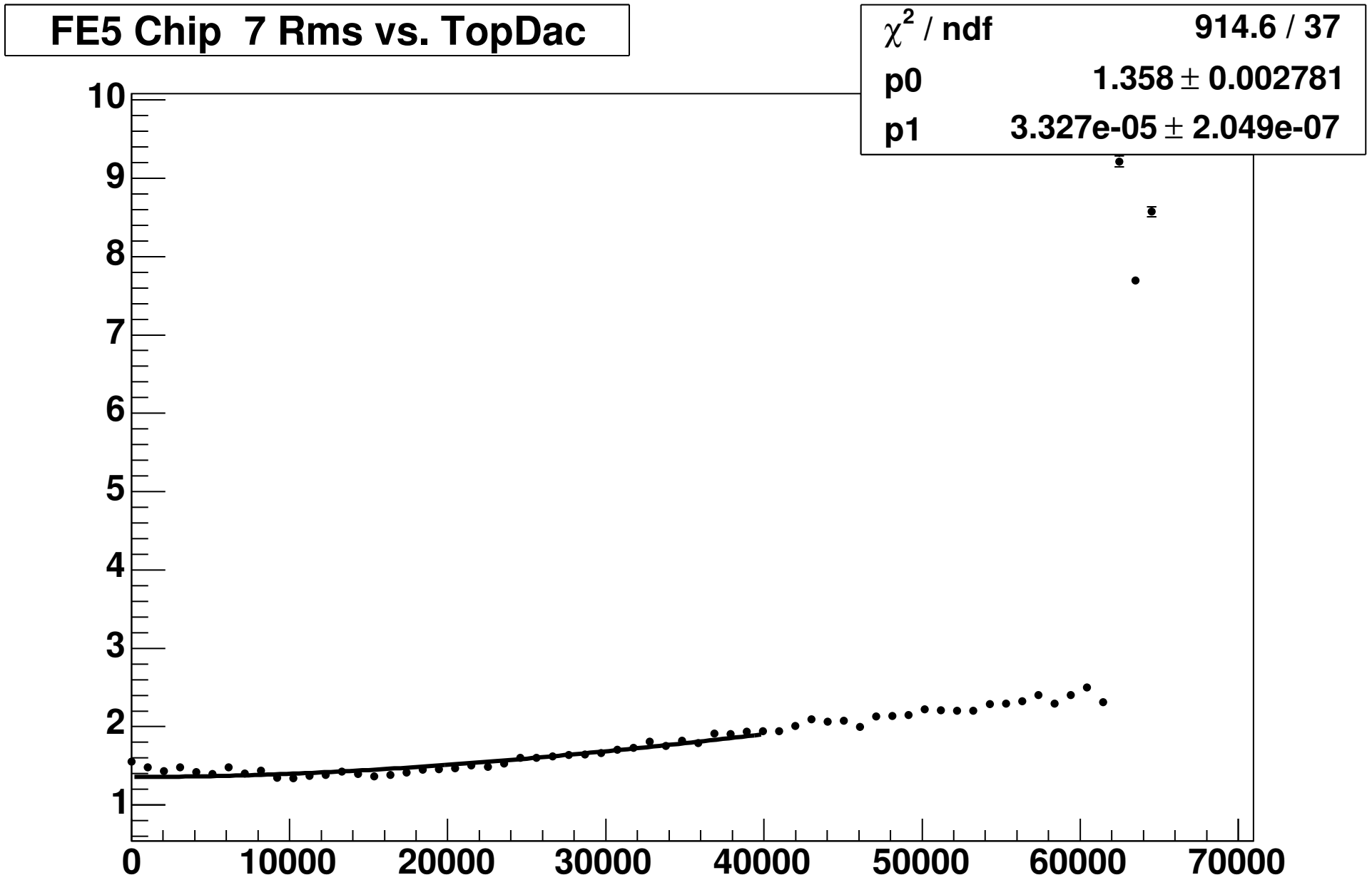
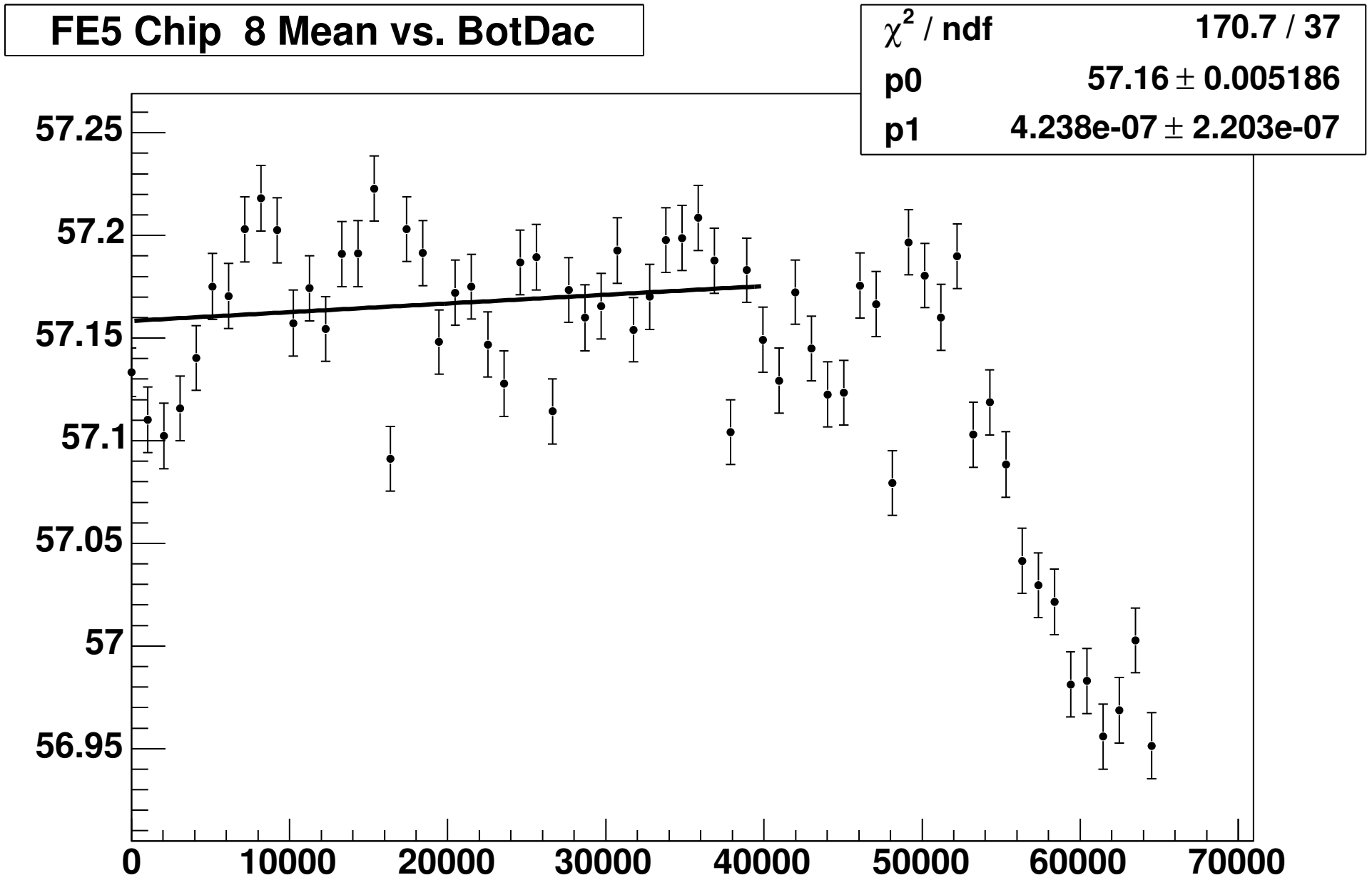
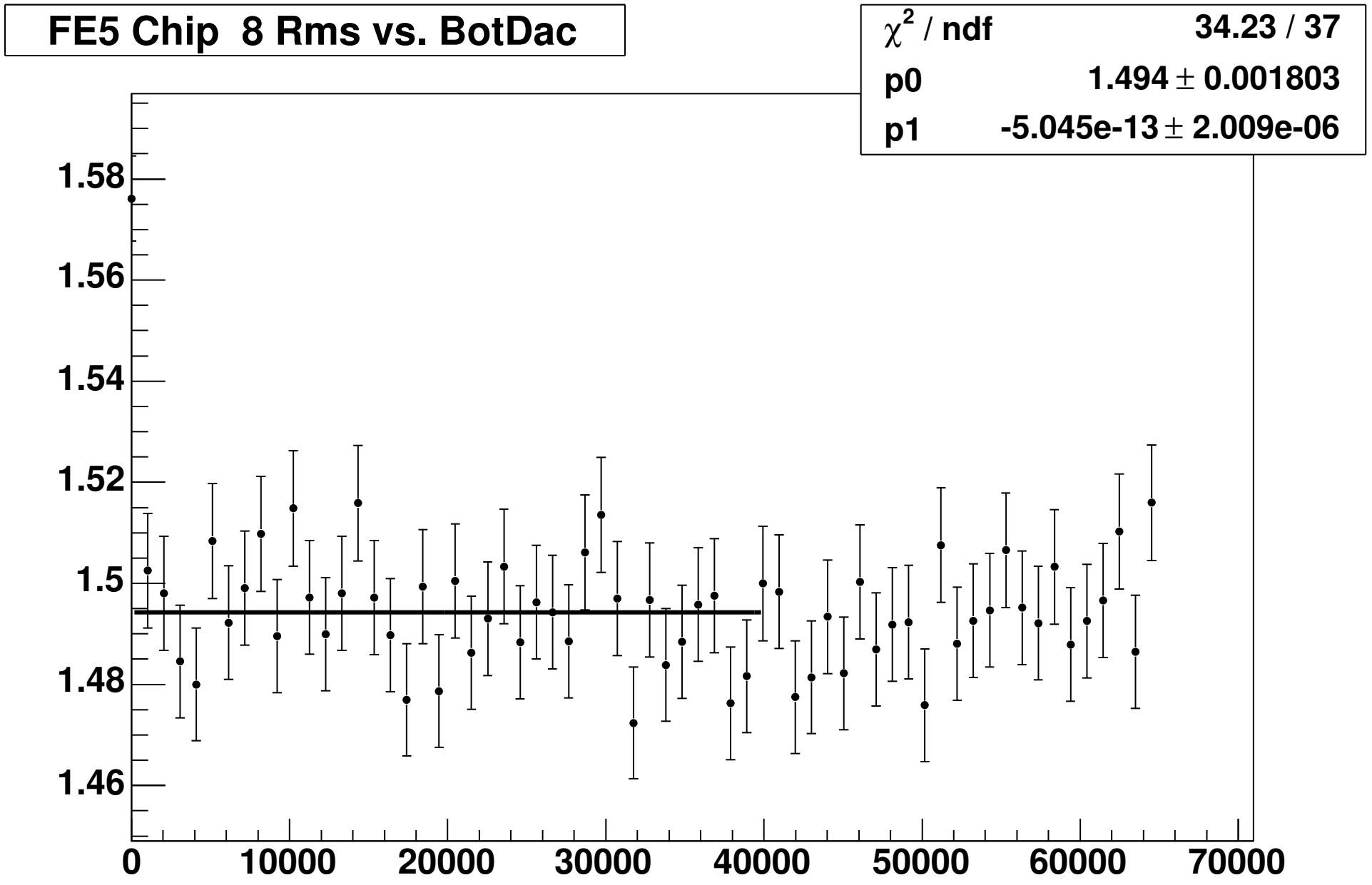
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 914.6 / 37
p0 1.358 ± 0.002781
p1 3.327e-05 ± 2.049e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 170.7 / 37
p0 57.16 ± 0.005186
p1 4.238e-07 ± 2.203e-07
57.25
57.2
57.15
57.1
57.05
57
56.95
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 34.23 / 37
p0 1.494 ± 0.001803
p1 -5.045e-13 ± 2.009e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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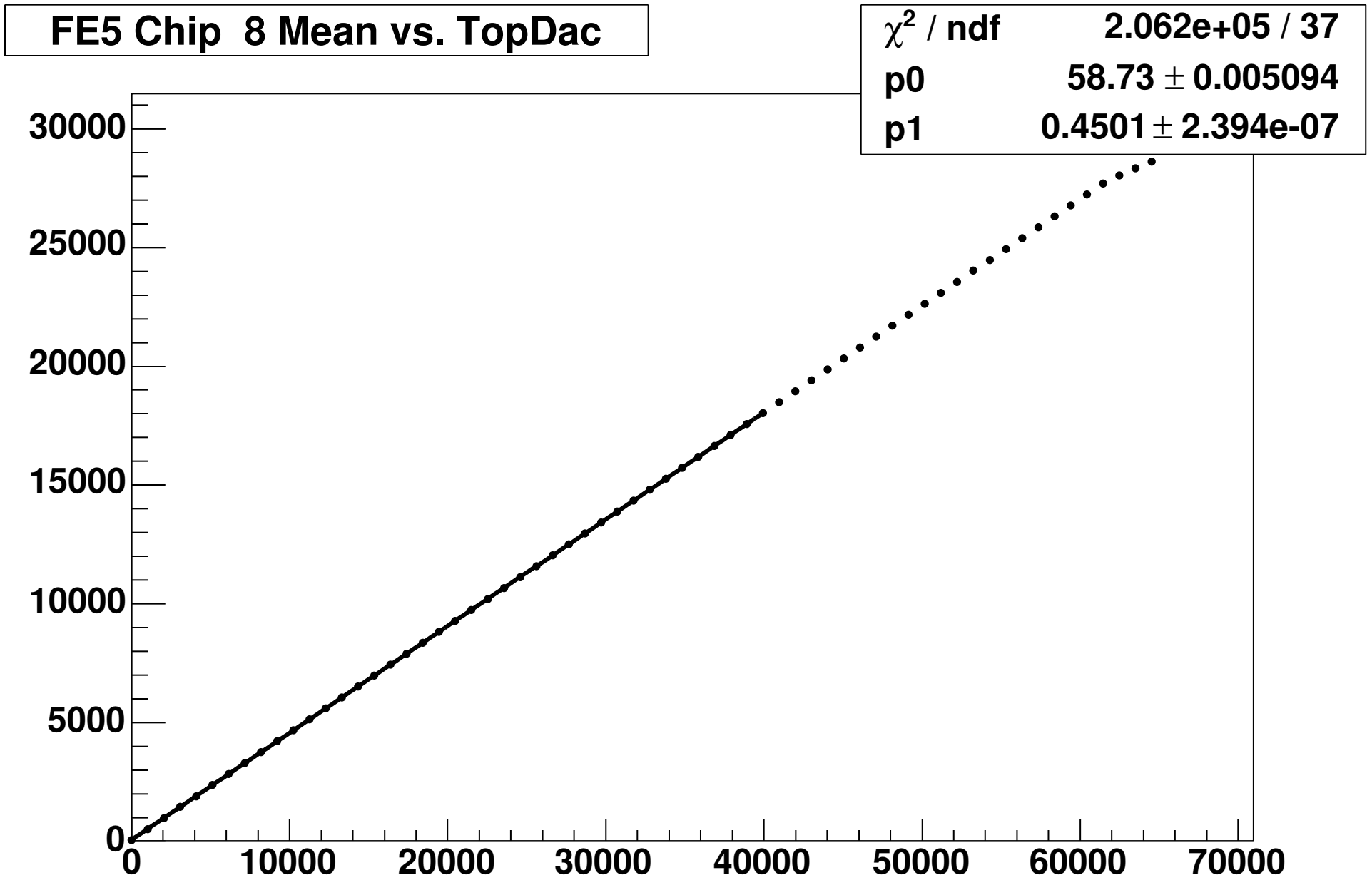
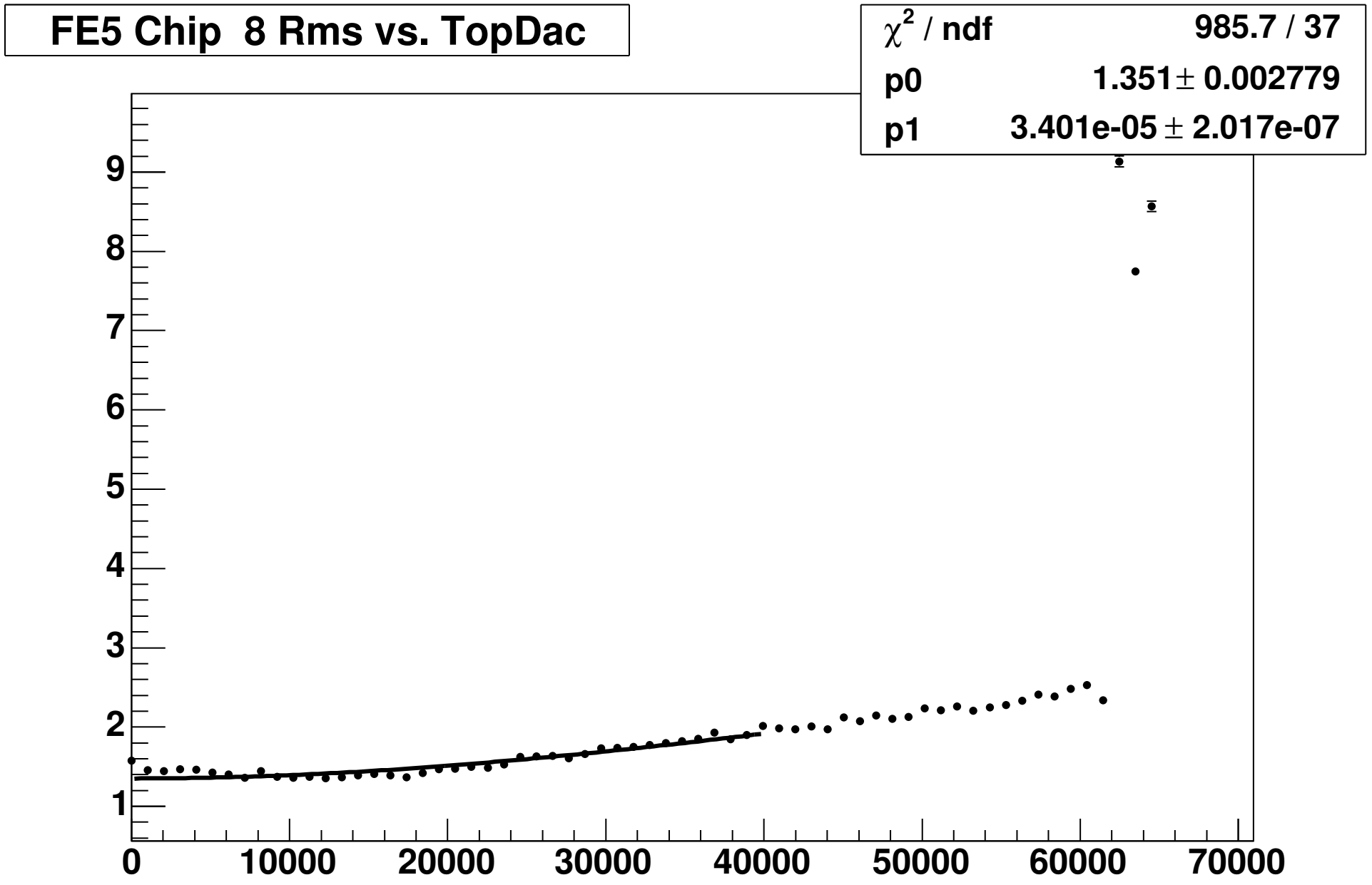
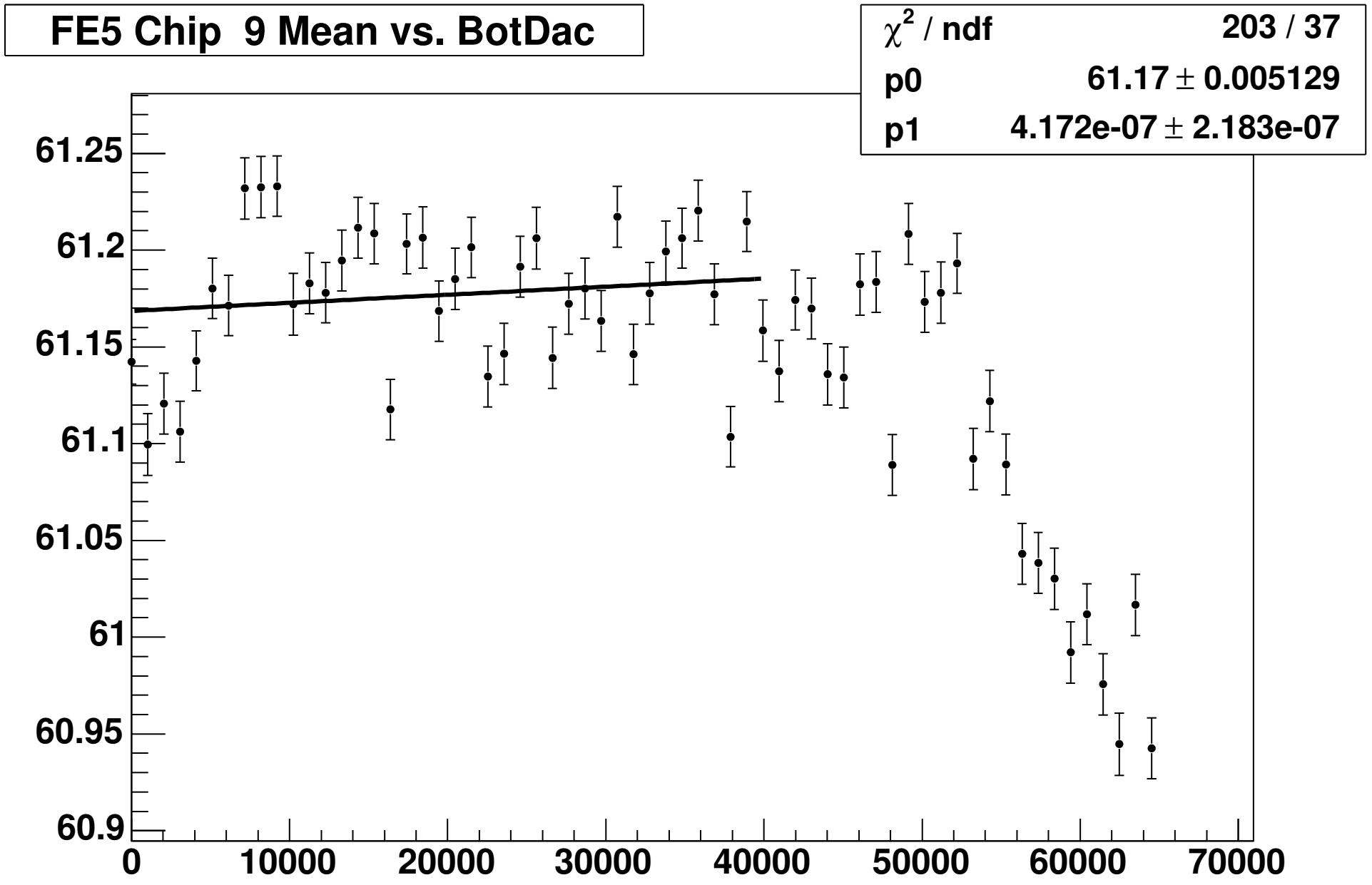
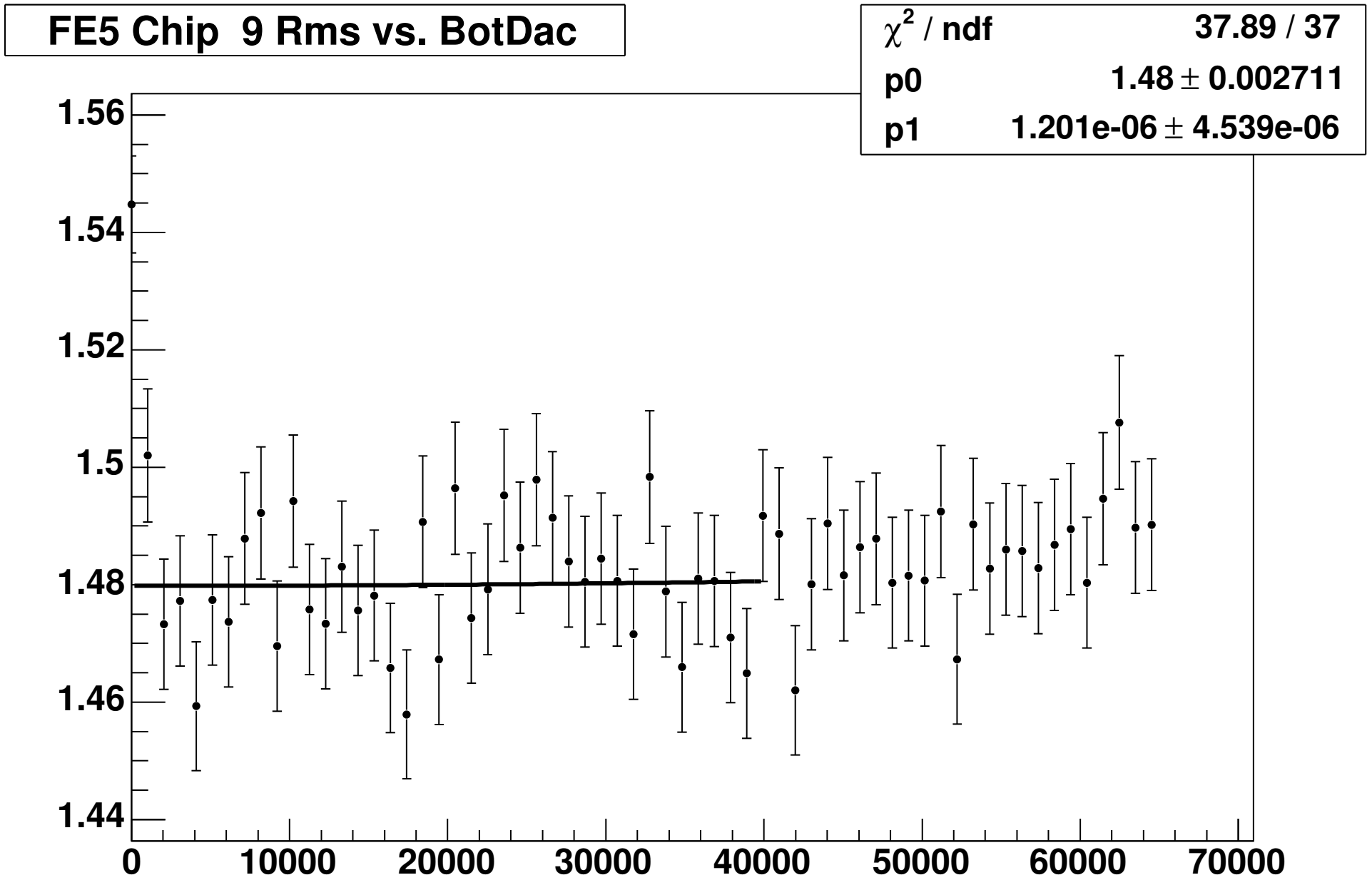
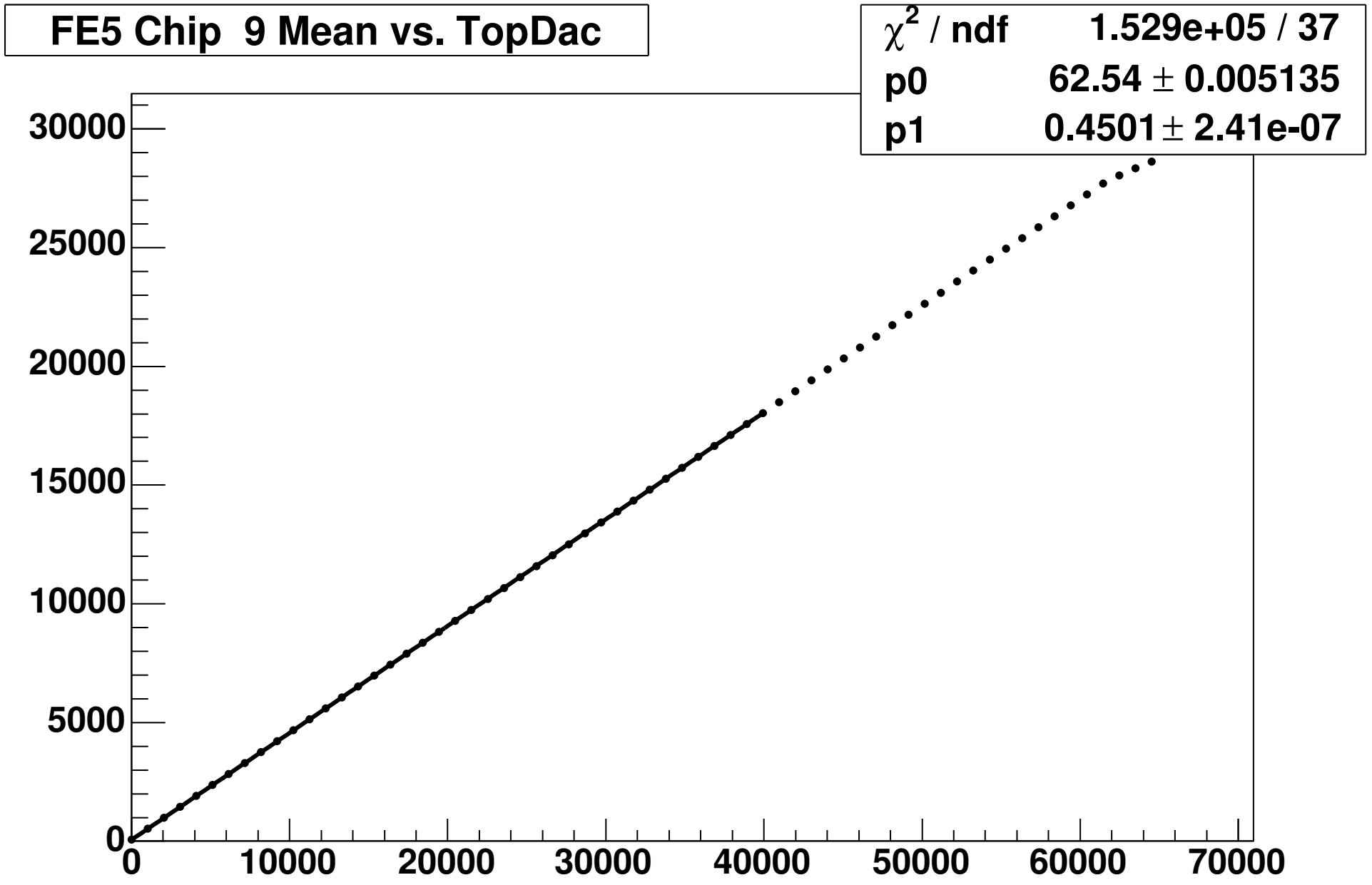
50000
60000
70000

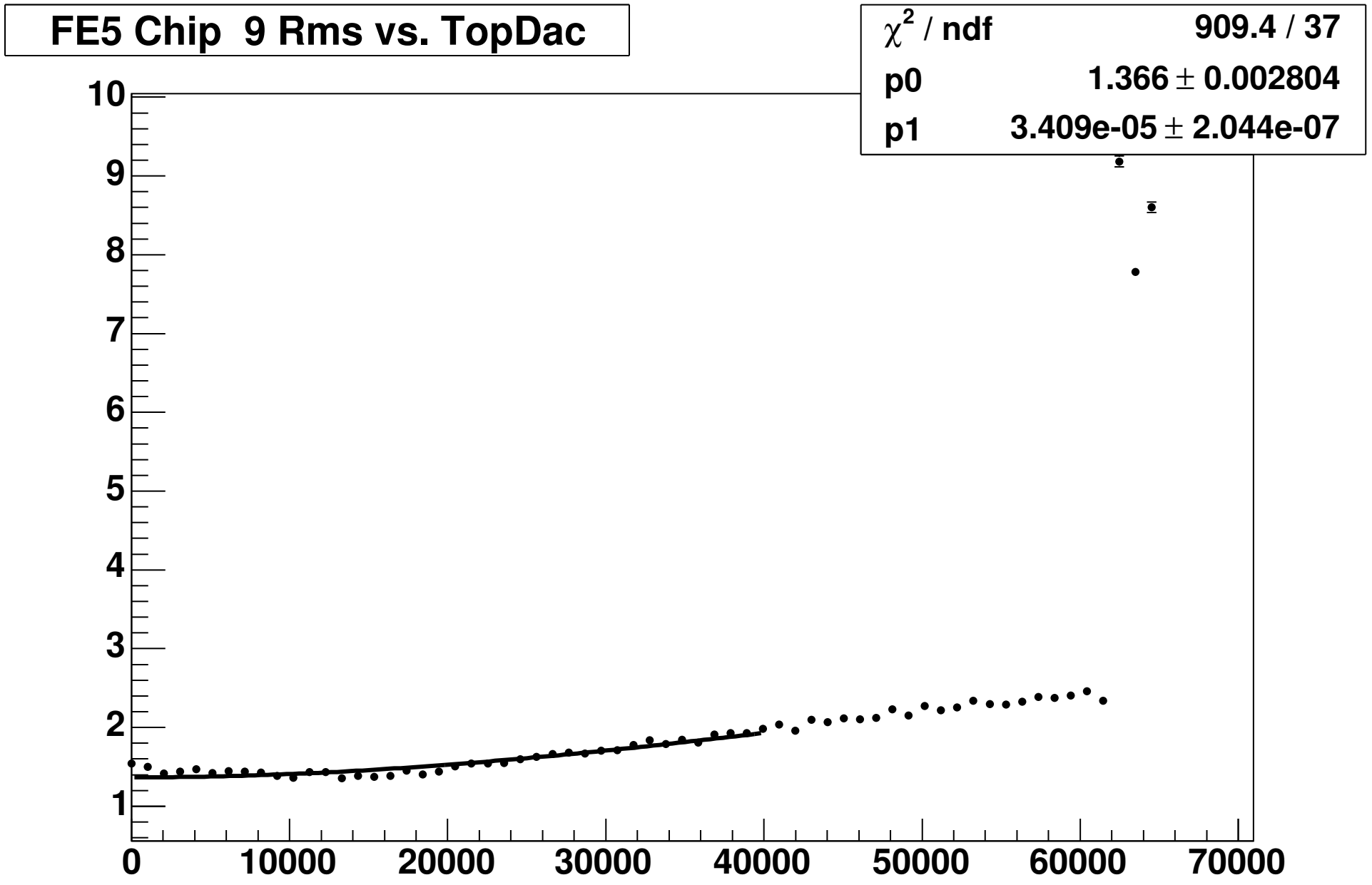

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 2.062e+05 / 37
p0 58.73 ± 0.005094
p1 0.4501 ± 2.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 985.7 / 37
p0 1.351 ± 0.002779
p1 3.401e-05 ± 2.017e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 203 / 37
p0 61.17 ± 0.005129
p1 4.172e-07 ± 2.183e-07
61.25
61.2
61.15
61.1
61.05
61
60.95
60.9
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 37.89 / 37
p0 1.48 ± 0.002711
p1 1.201e-06 ± 4.539e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.529e+05 / 37
p0 62.54 ± 0.005135
p1 0.4501 ± 2.41e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 909.4 / 37
p0 1.366 ± 0.002804
p1 3.409e-05 ± 2.044e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
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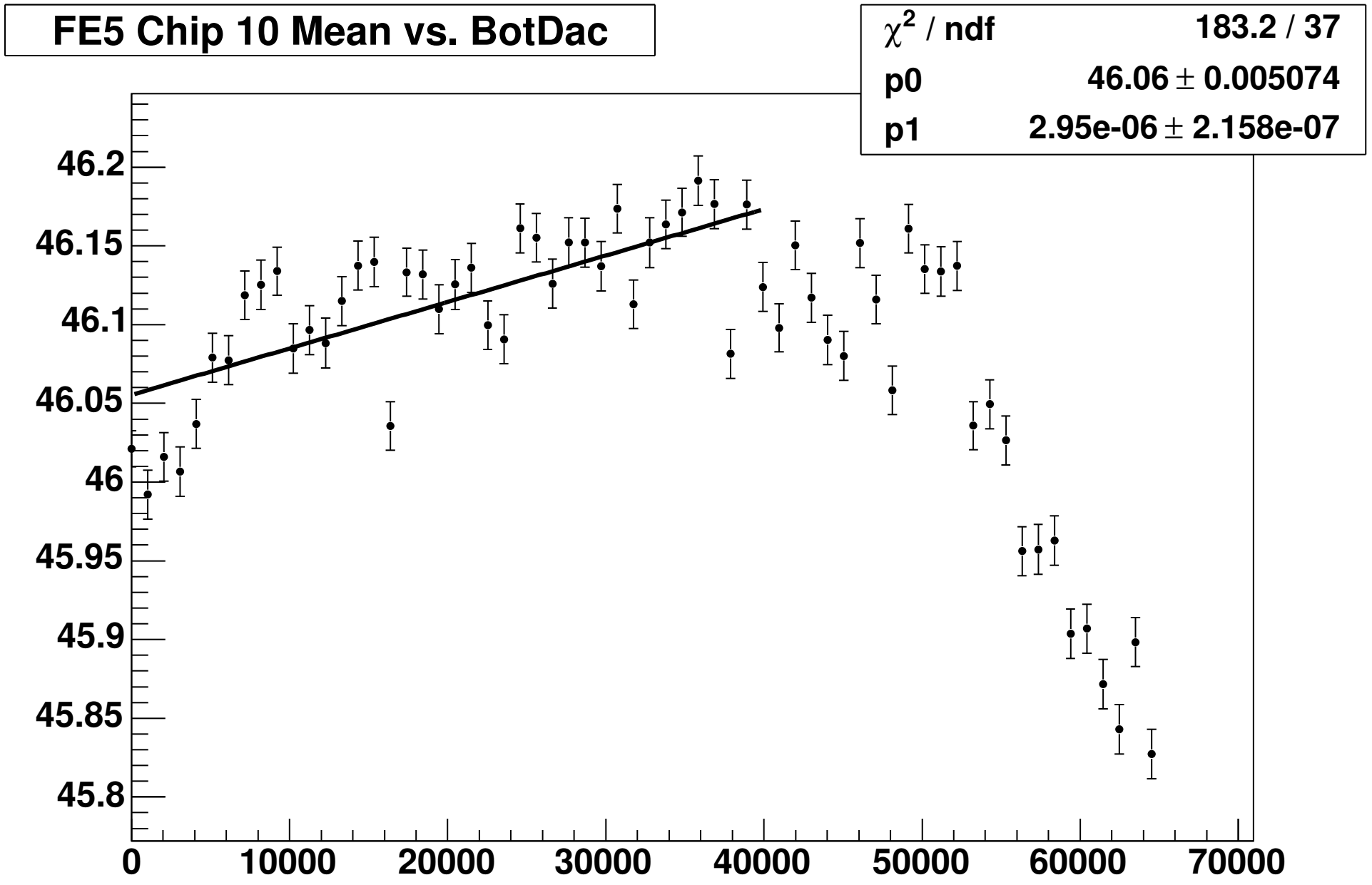
50000
60000
70000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 183.2 / 37
p0 46.06 ± 0.005074
p1 2.95e-06 ± 2.158e-07
46.2
46.15
46.1
46.05
46
45.95
45.9
45.85
45.8
0
10000
20000
30000
40000
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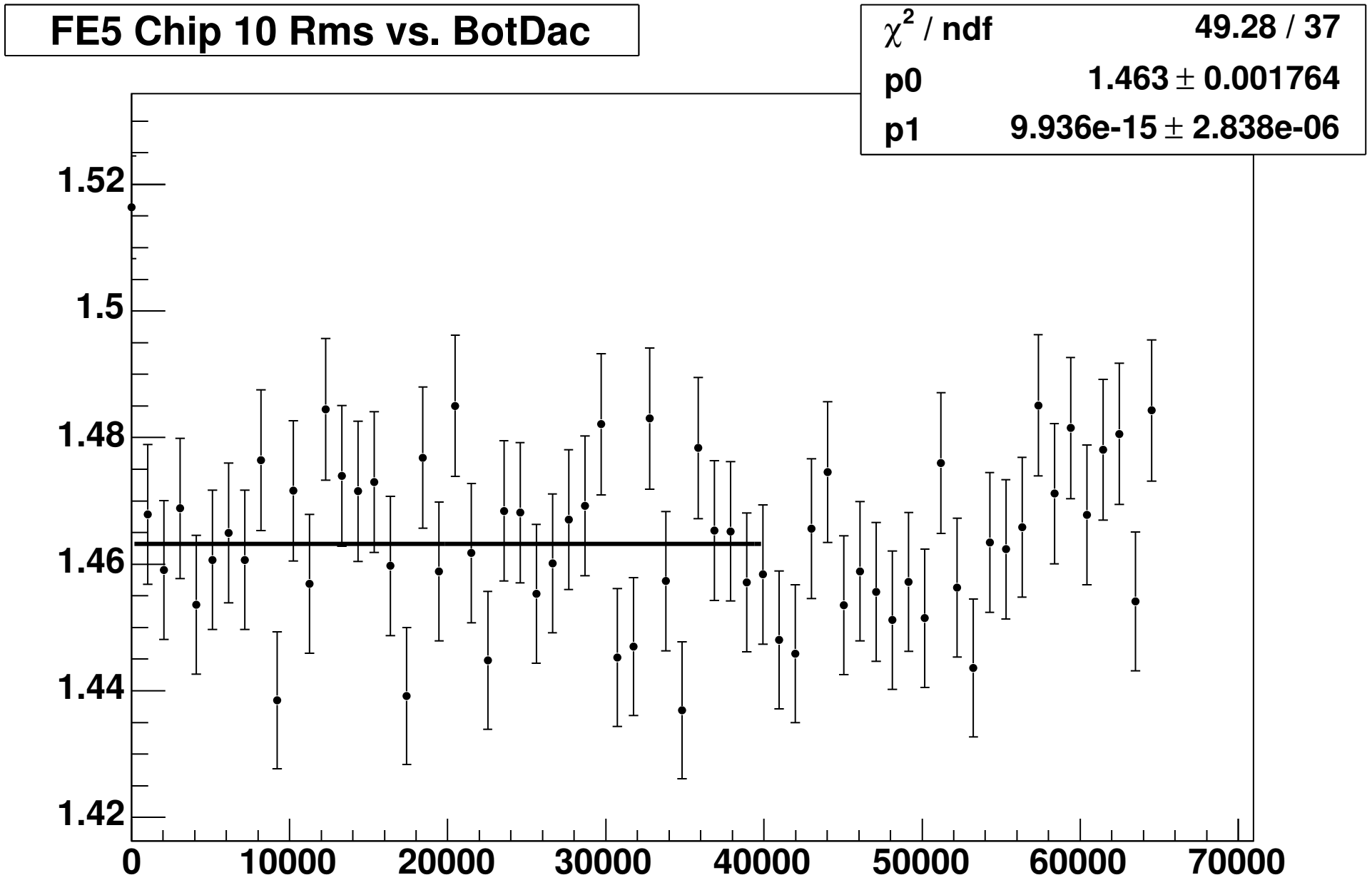
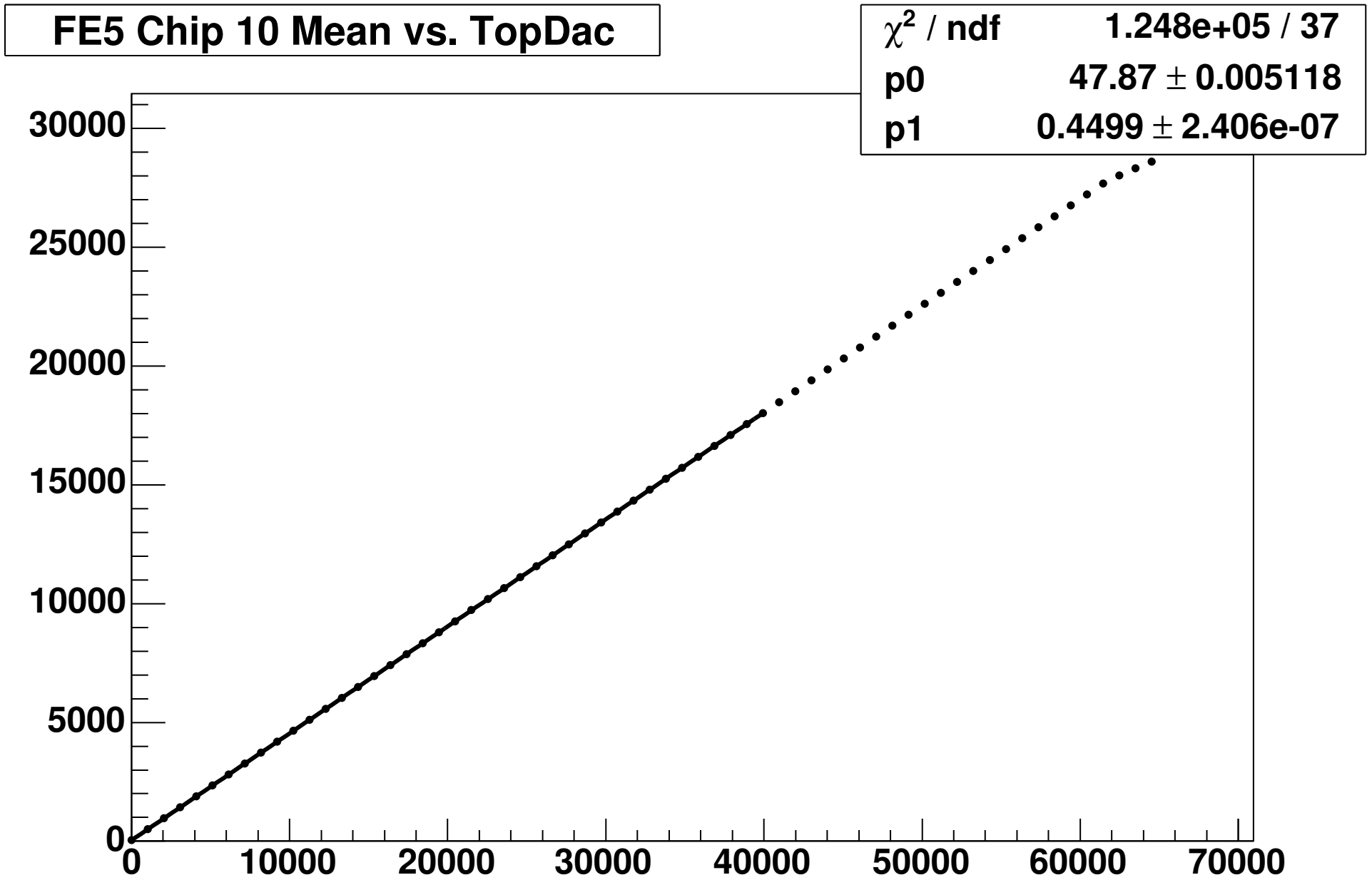
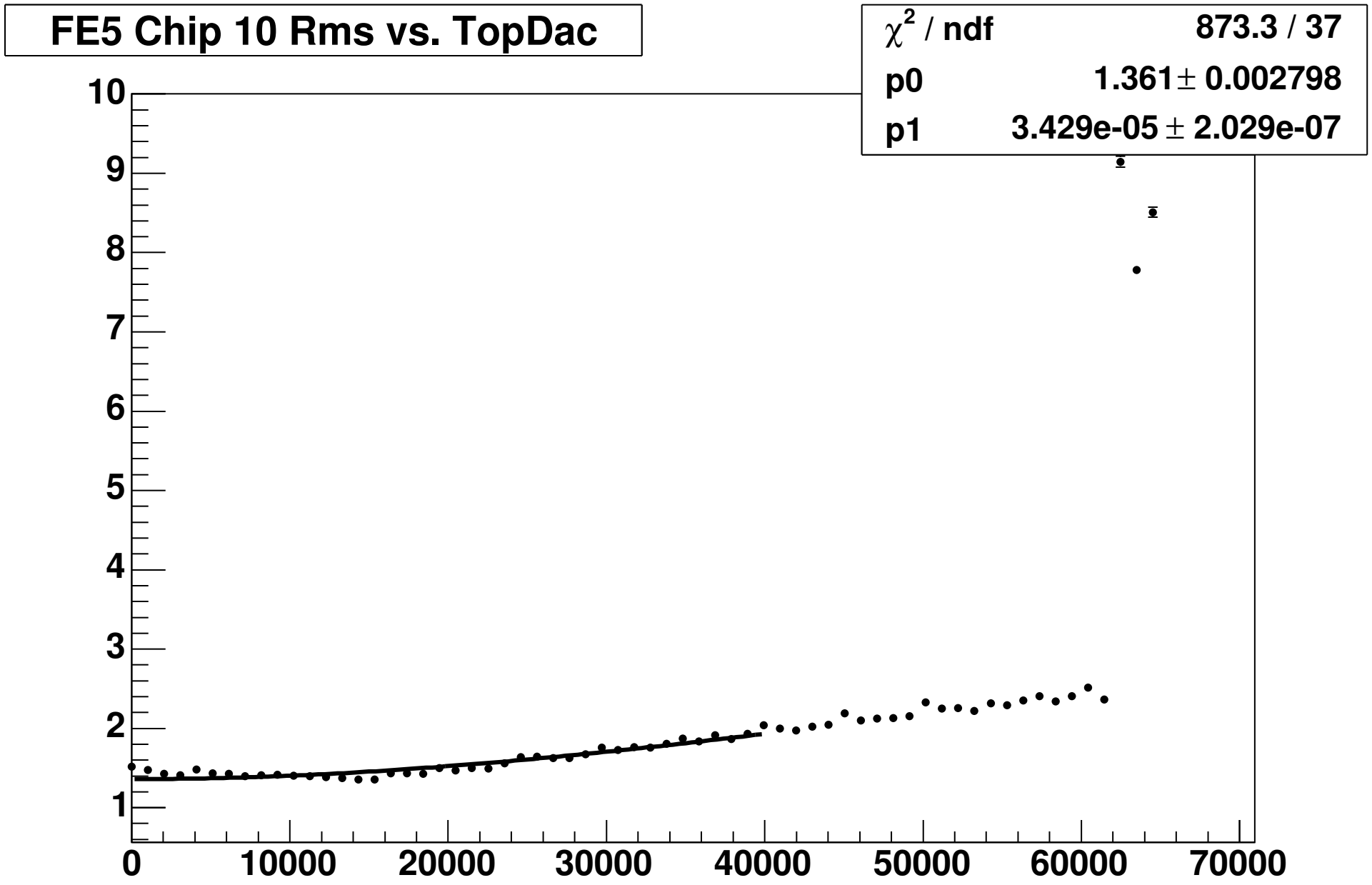
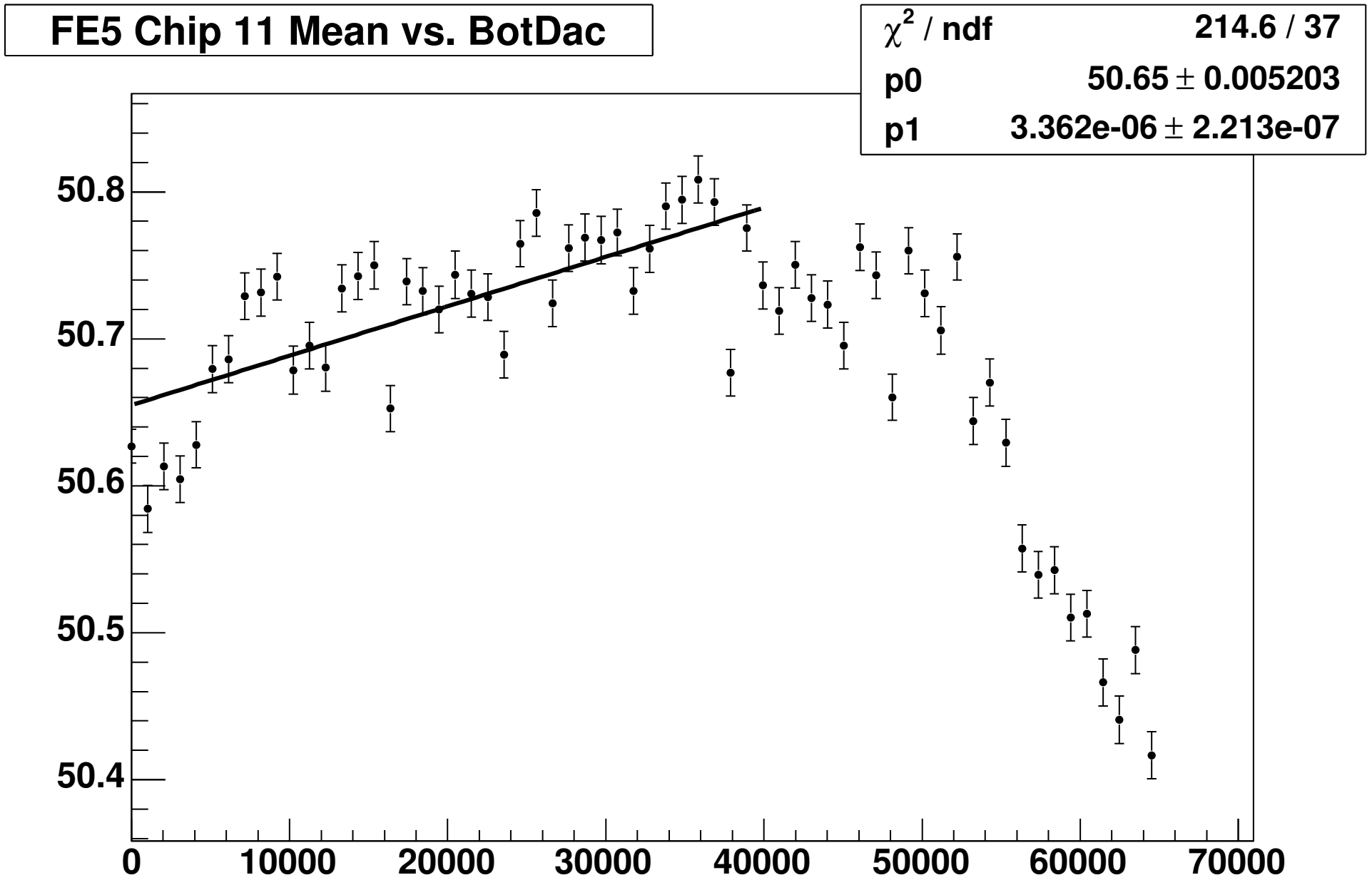
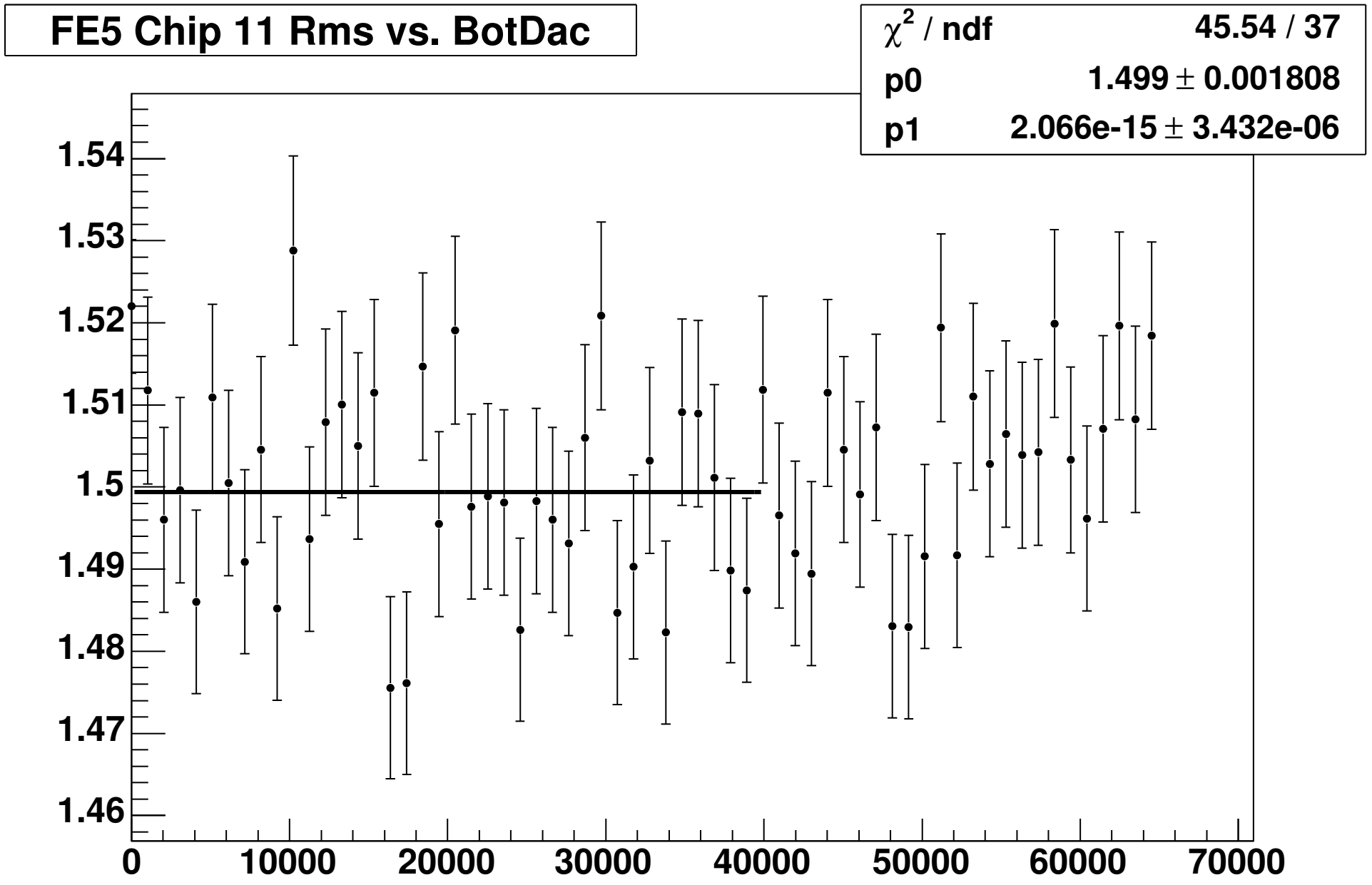
70000

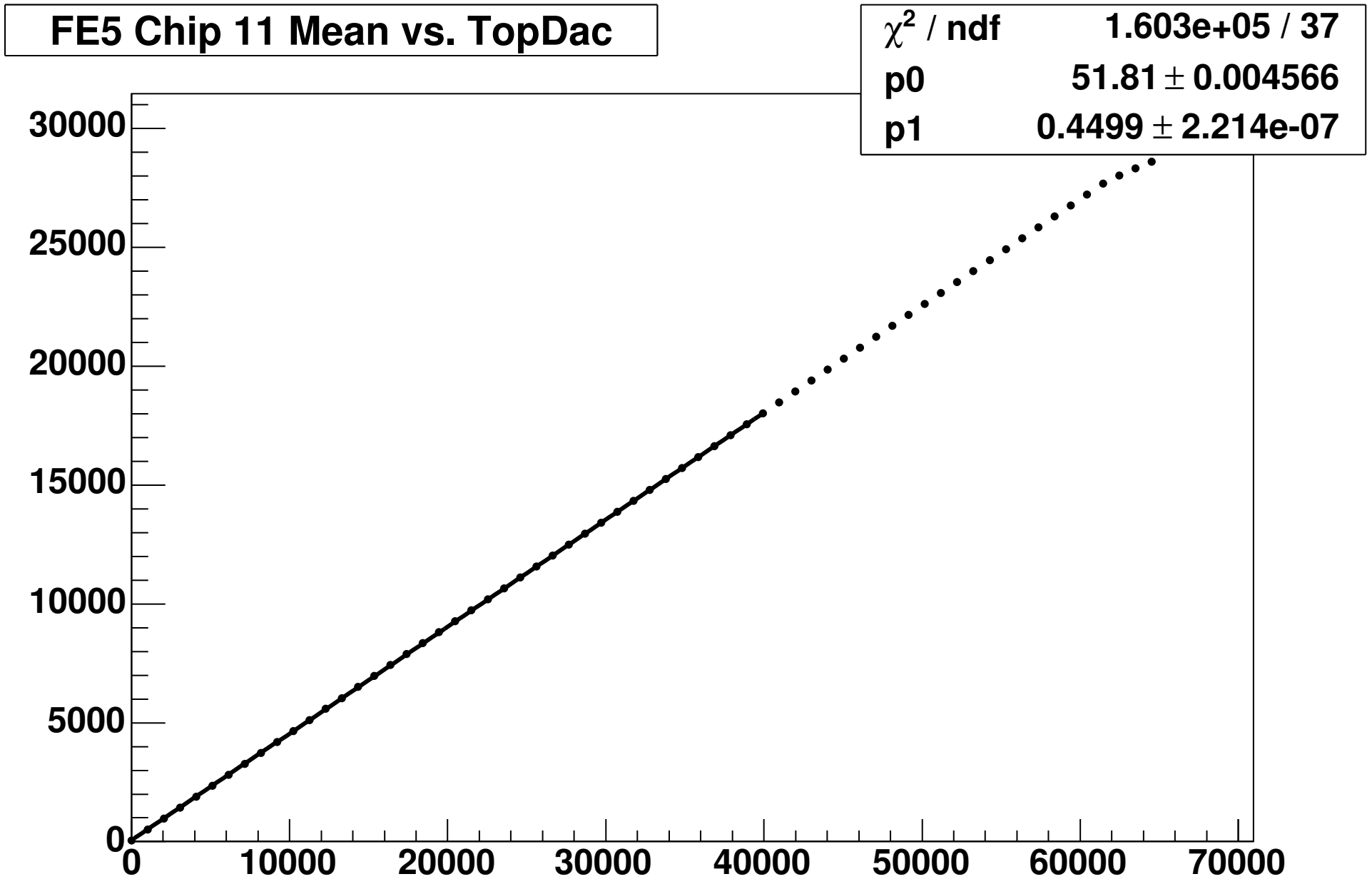

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 49.28 / 37
p0 1.463 ± 0.001764
p1 9.936e-15 ± 2.838e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

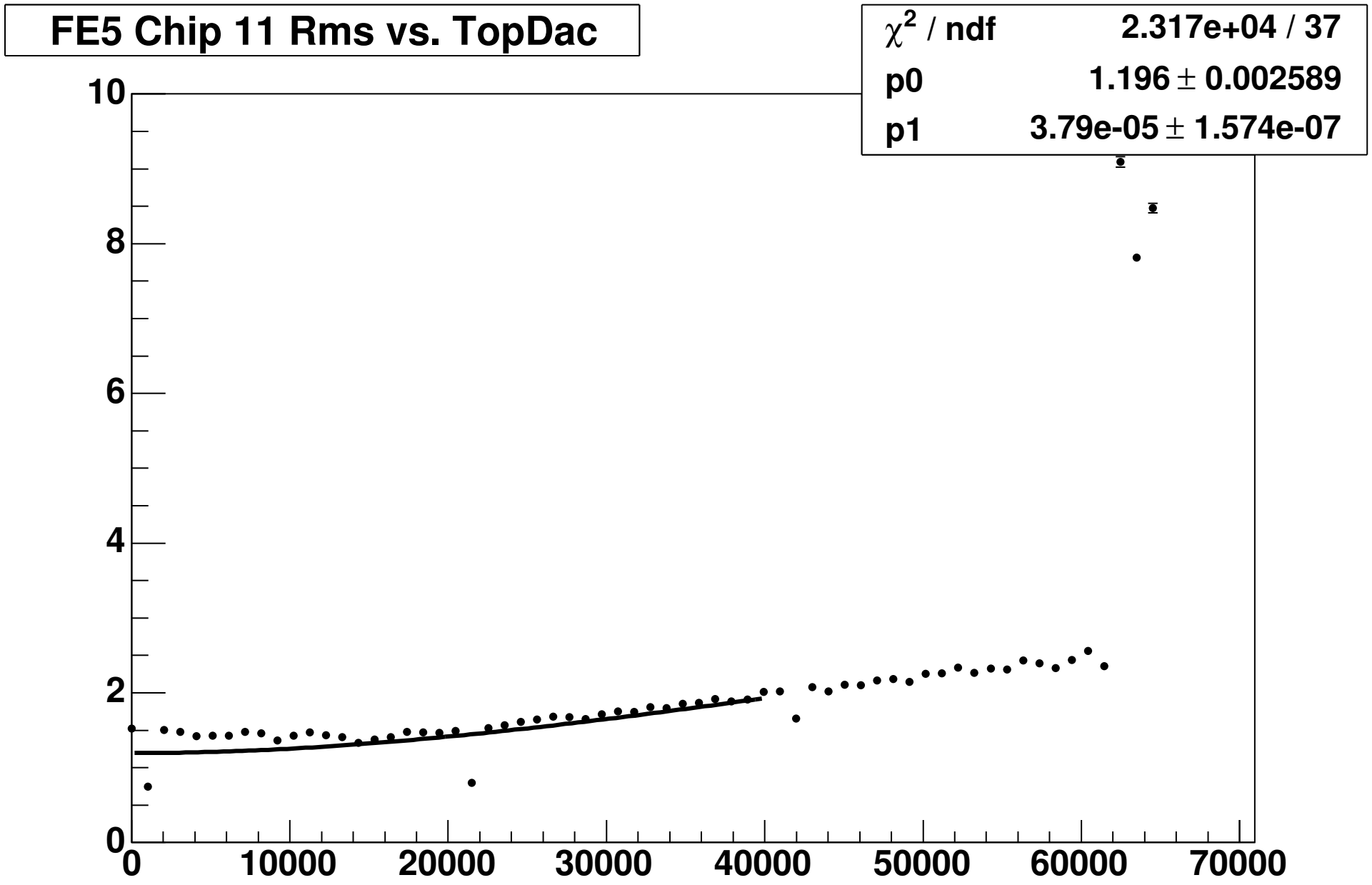

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.248e+05 / 37
p0 47.87 ± 0.005118
p1 0.4499 ± 2.406e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

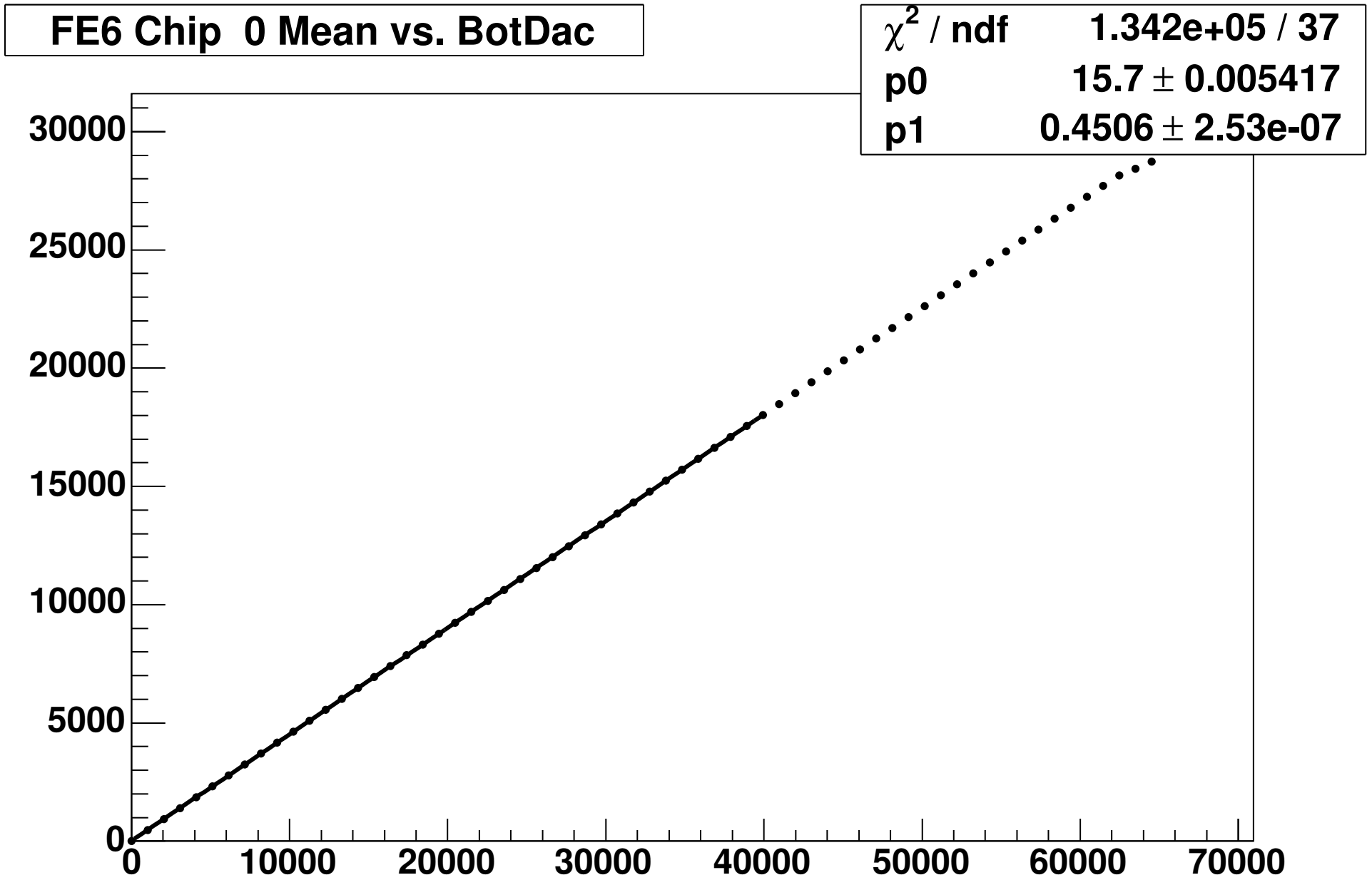

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 873.3 / 37
p0 1.361 ± 0.002798
p1 3.429e-05 ± 2.029e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

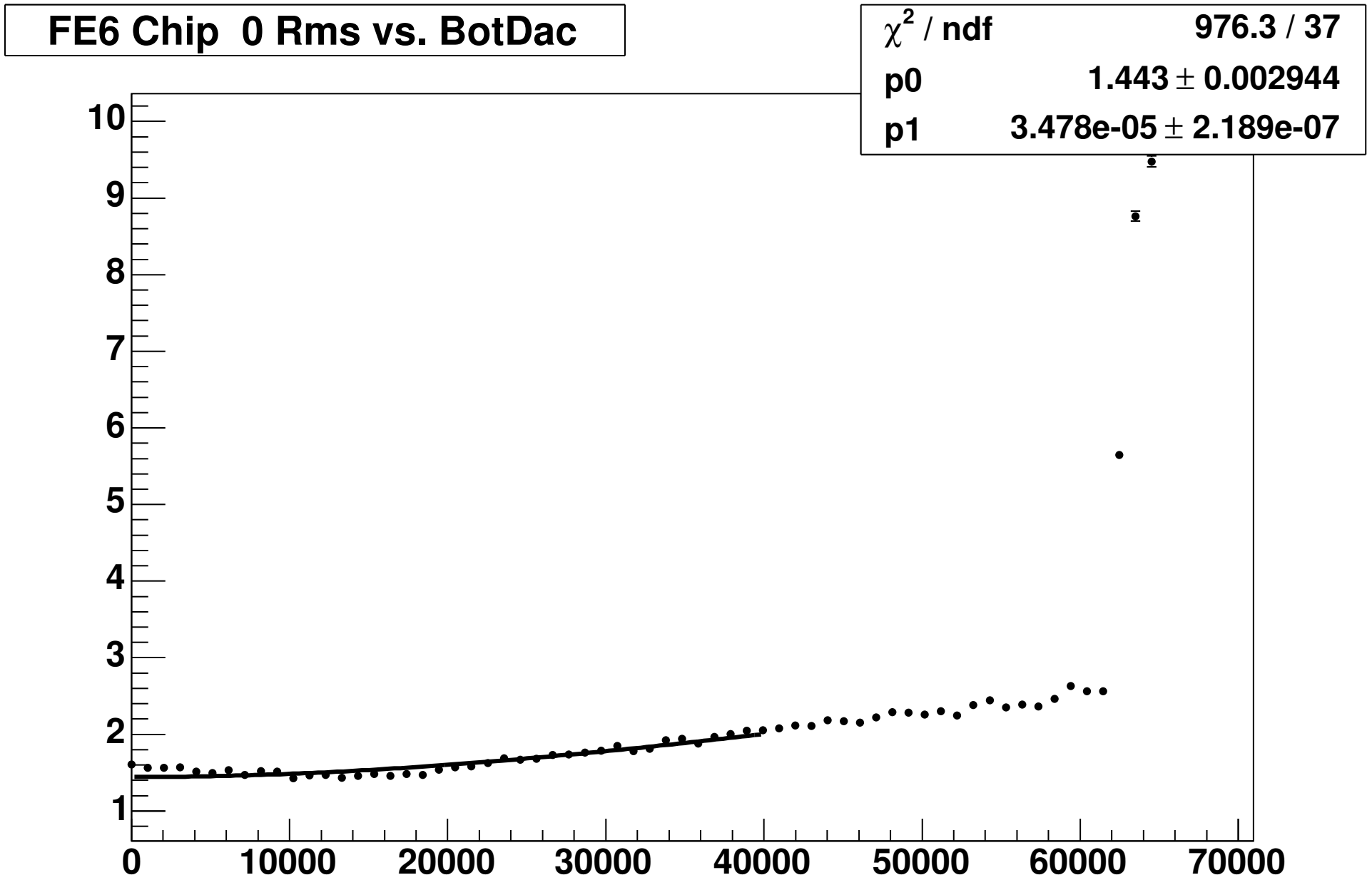

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 214.6 / 37
p0 50.65 ± 0.005203
p1 3.362e-06 ± 2.213e-07
50.8
50.7
50.6
50.5
50.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 45.54 / 37
p0 1.499 ± 0.001808
p1 2.066e-15 ± 3.432e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.603e+05 / 37
p0 51.81 ± 0.004566
p1 0.4499 ± 2.214e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 2.317e+04 / 37
p0 1.196 ± 0.002589
p1 3.79e-05 ± 1.574e-07
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.342e+05 / 37
p0 15.7 ± 0.005417
p1 0.4506 ± 2.53e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 976.3 / 37
p0 1.443 ± 0.002944
p1 3.478e-05 ± 2.189e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
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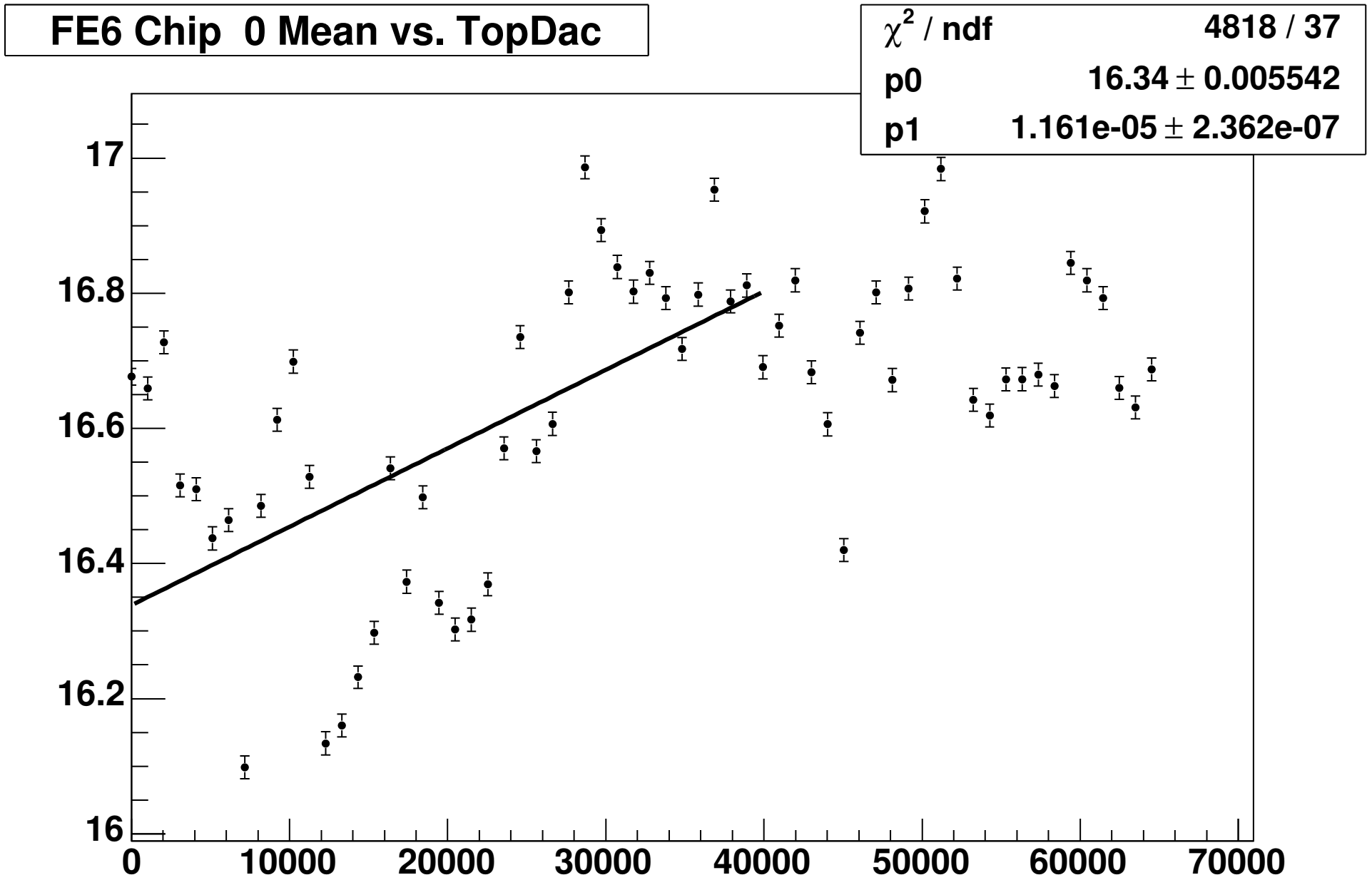
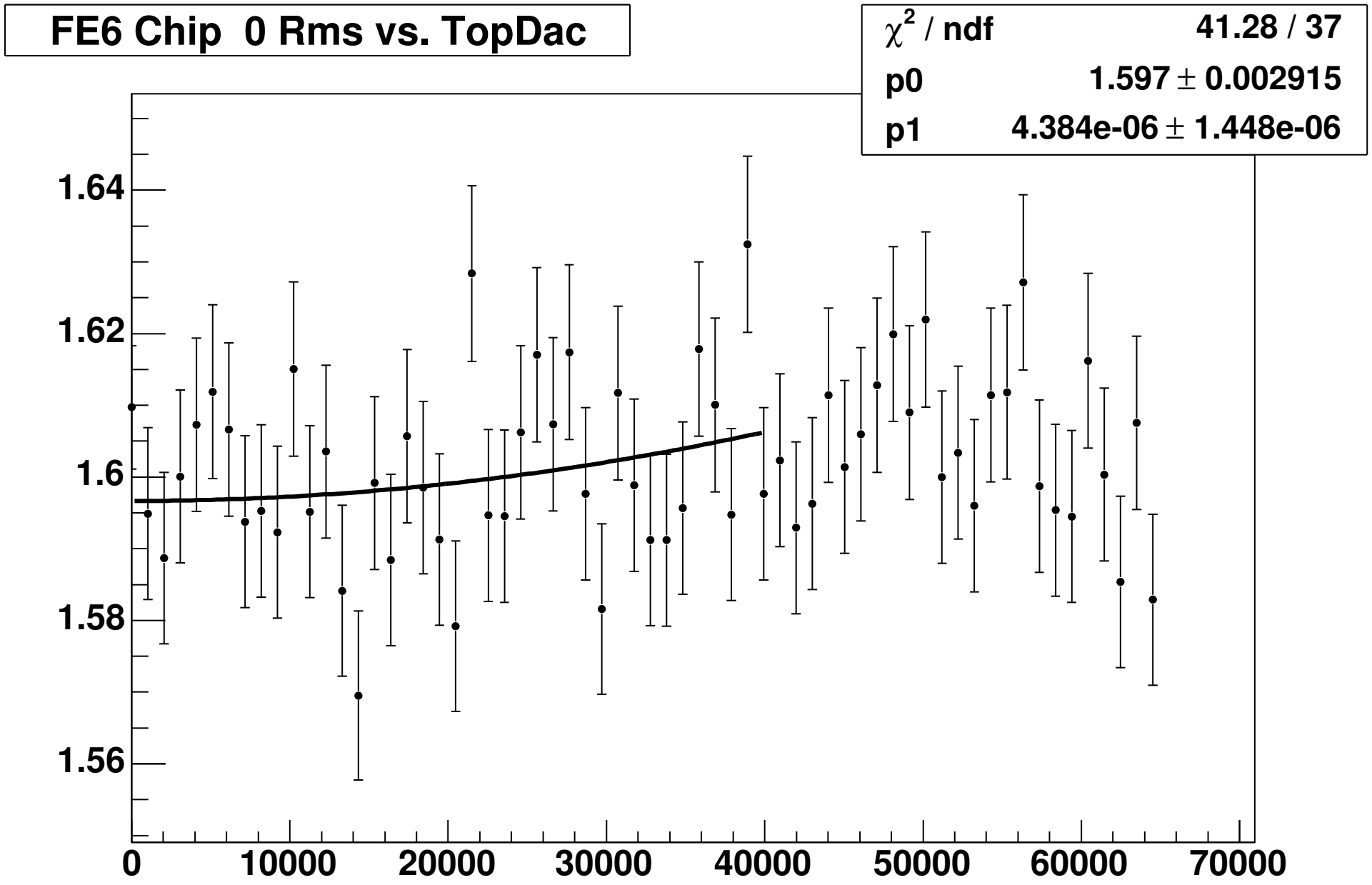
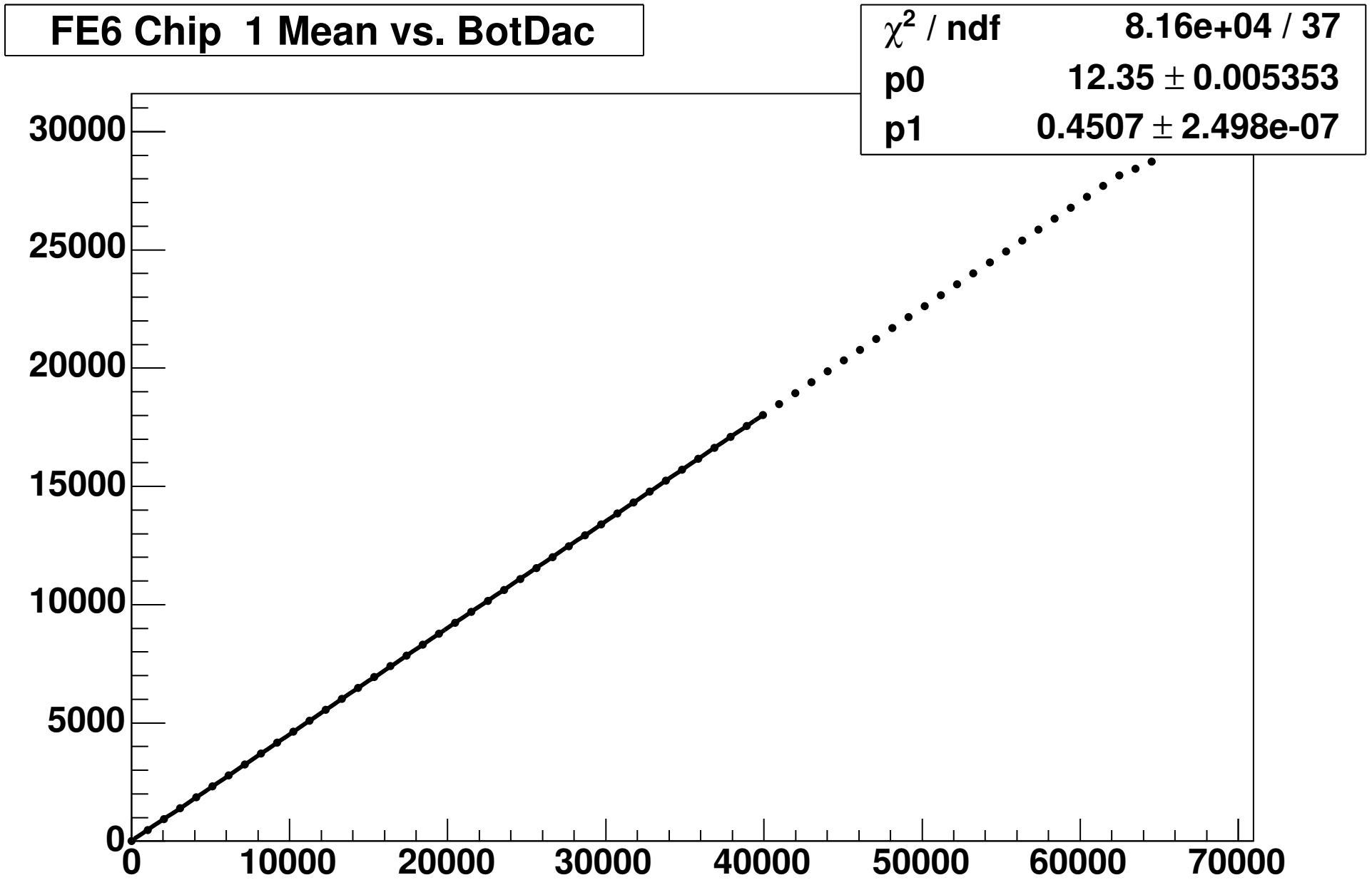
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 4818 / 37
p0 16.34 ± 0.005542
p1 1.161e-05 ± 2.362e-07
17
16.8
16.6
16.4
16.2
16
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. TopDac
χ^2 / ndf 41.28 / 37
p0 1.597 ± 0.002915
p1 4.384e-06 ± 1.448e-06
1.64
1.62
1.6
1.58
1.56
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 8.16e+04 / 37
p0 12.35 ± 0.005353
p1 0.4507 ± 2.498e-07
30000
25000
20000
15000
10000
5000
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10000
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40000
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60000
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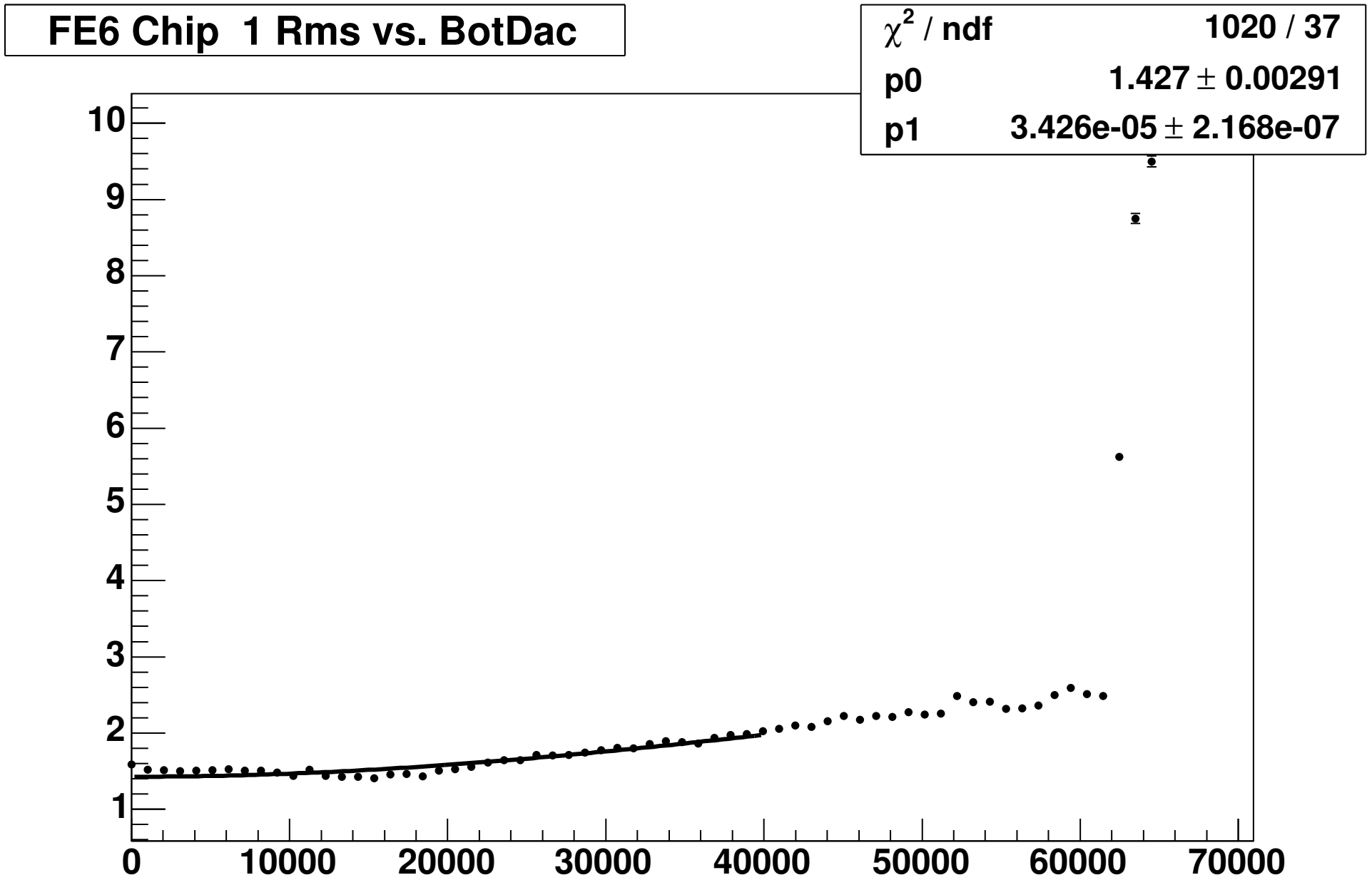
FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1020 / 37
p0 1.427 ± 0.00291
p1 3.426e-05 ± 2.168e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
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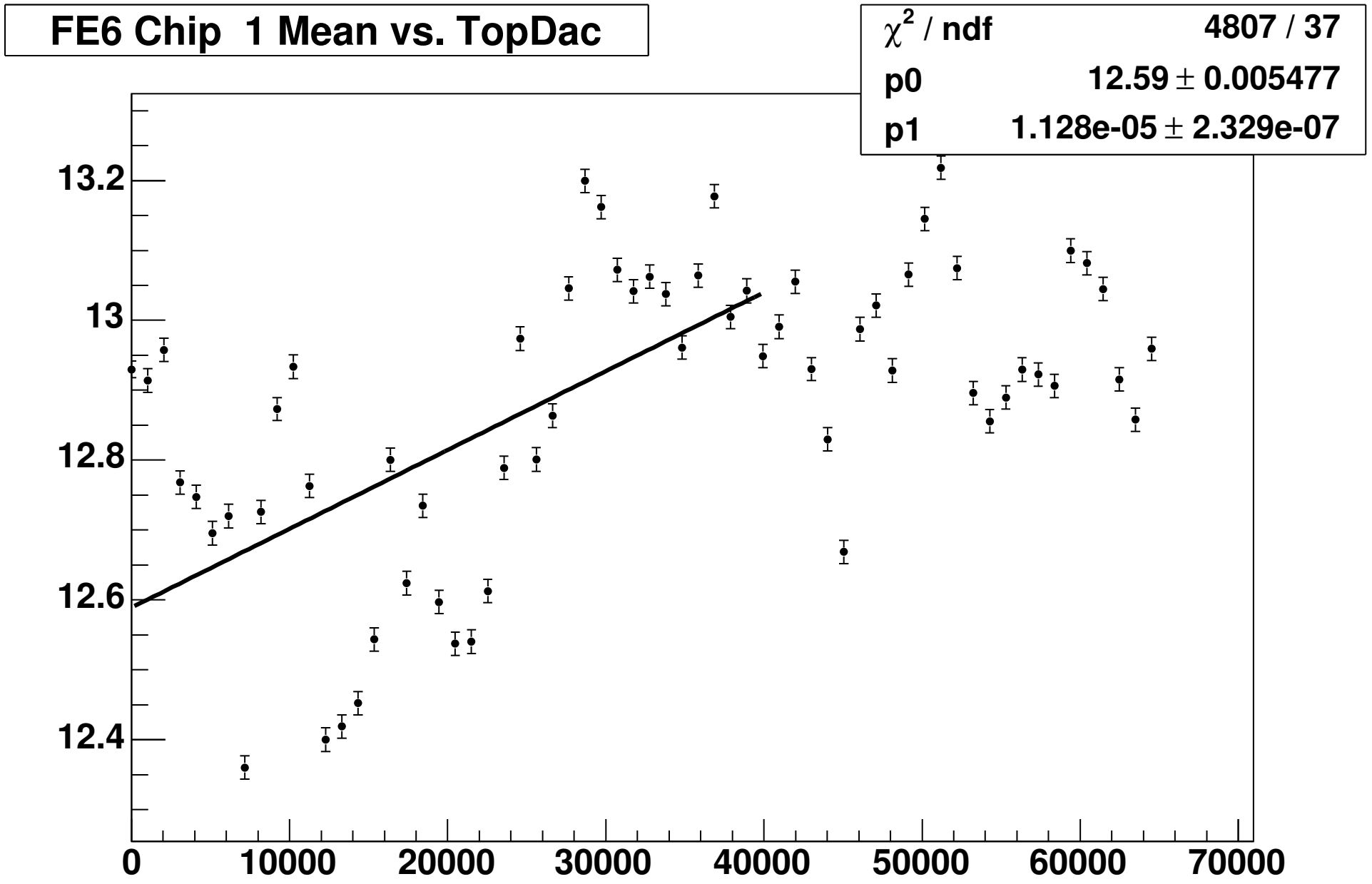
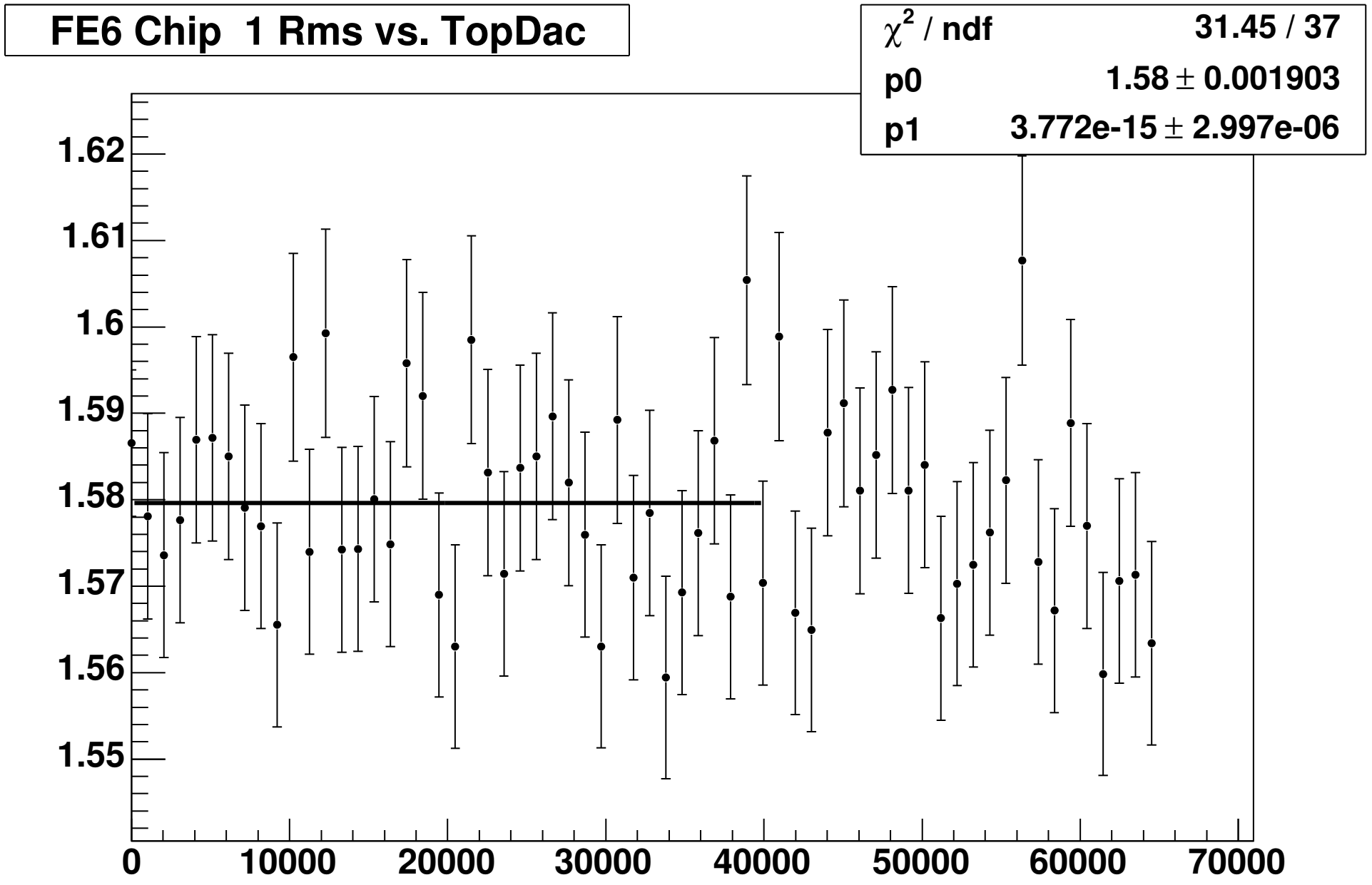
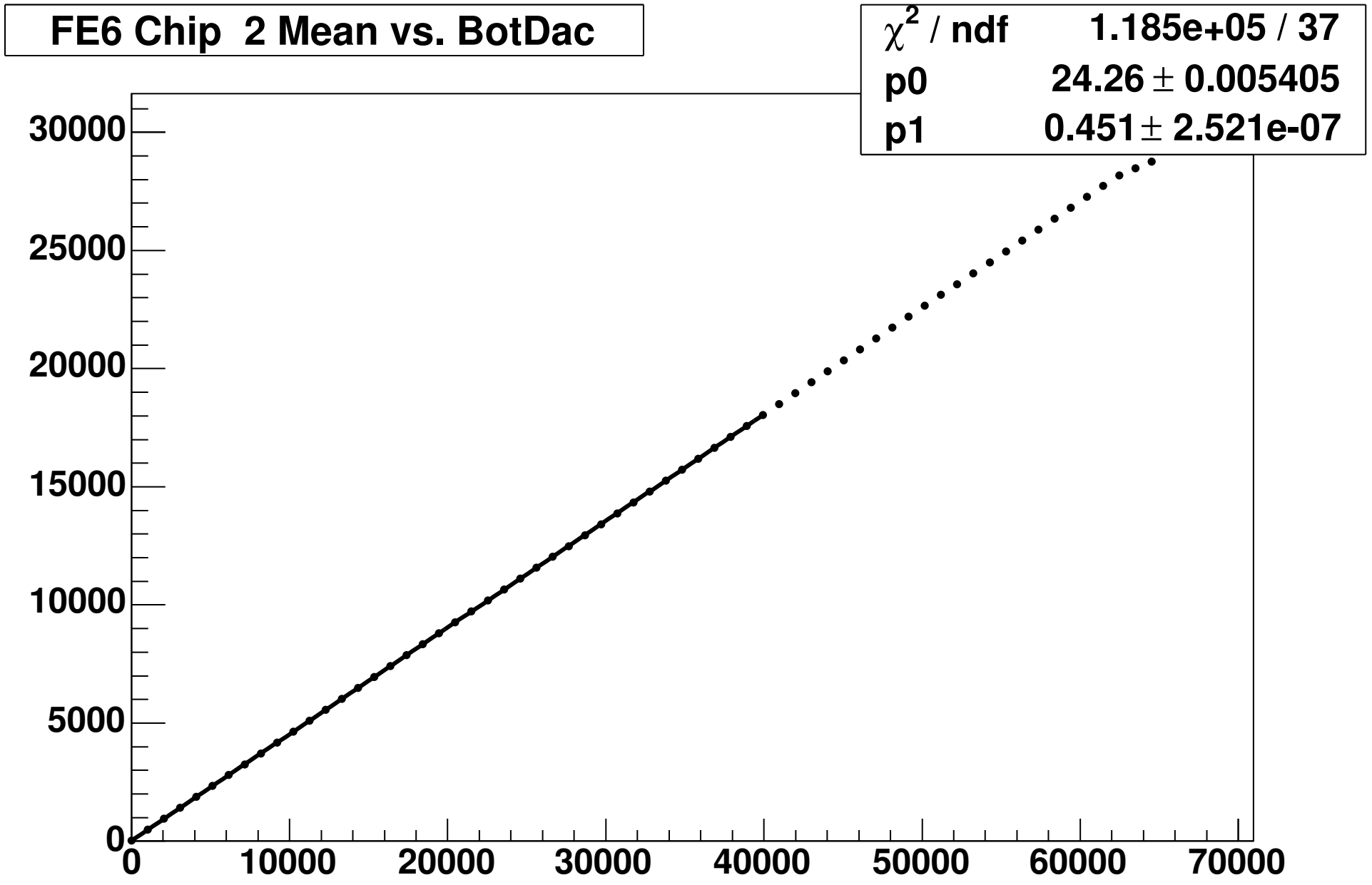
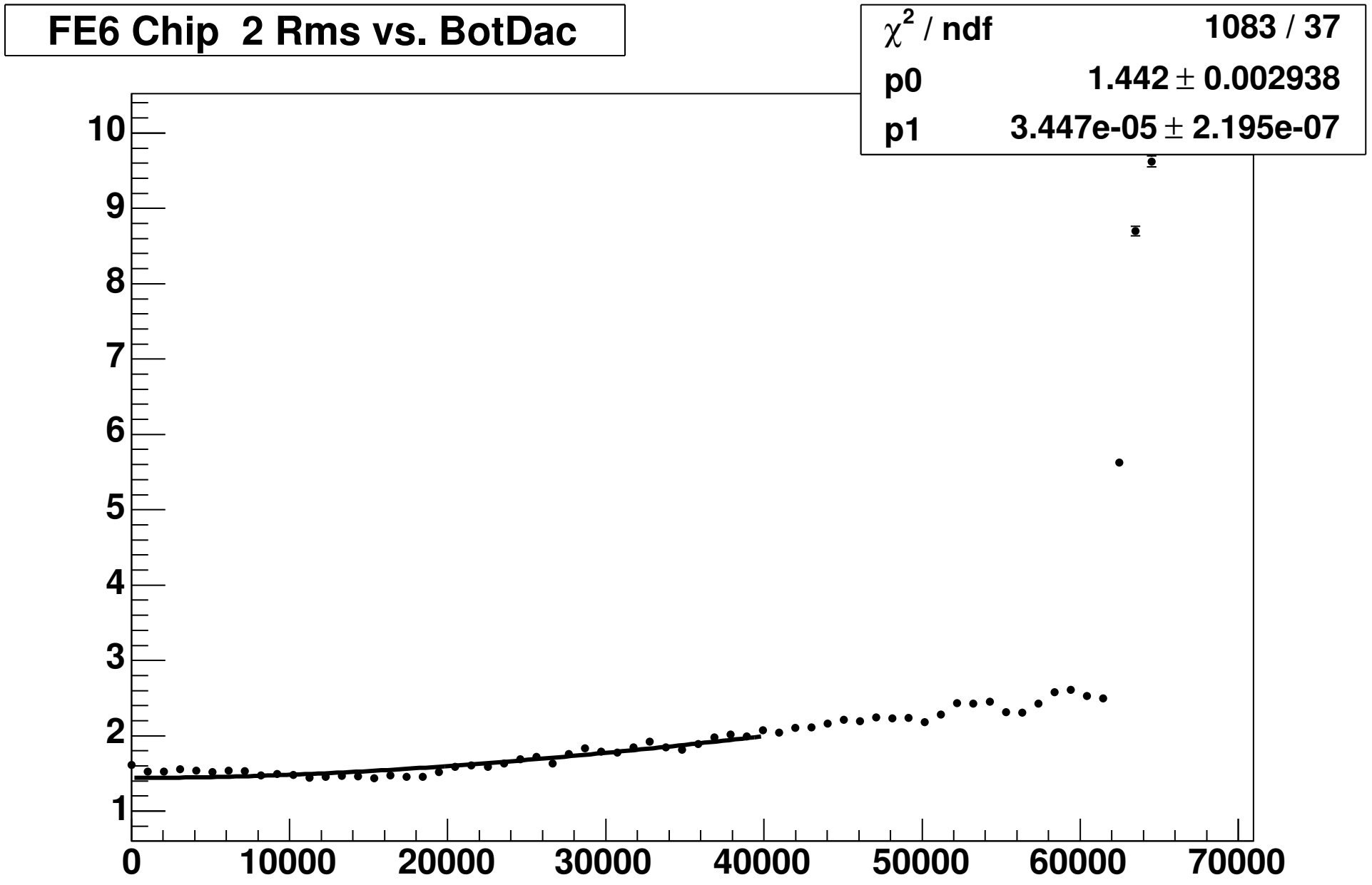
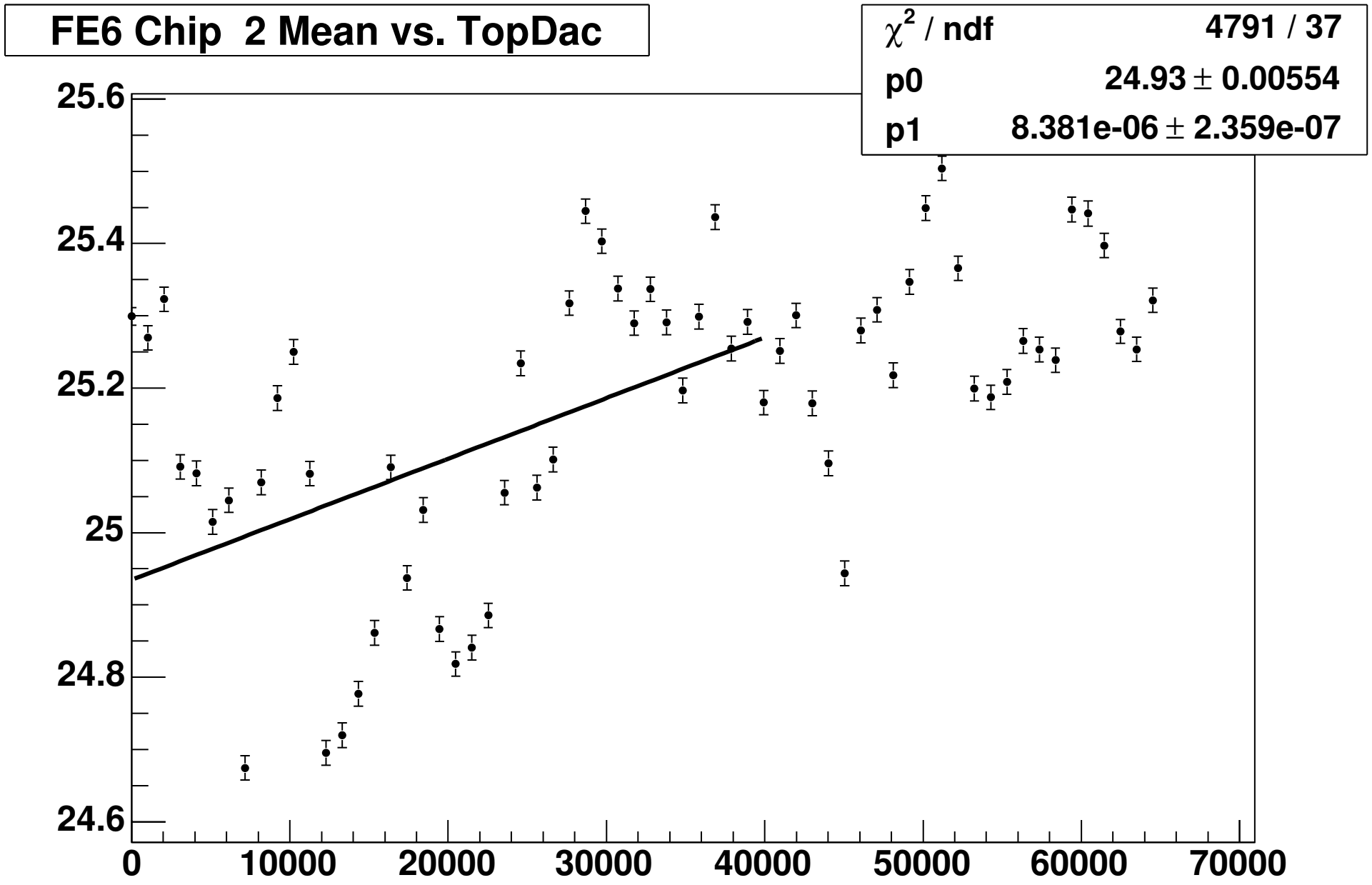
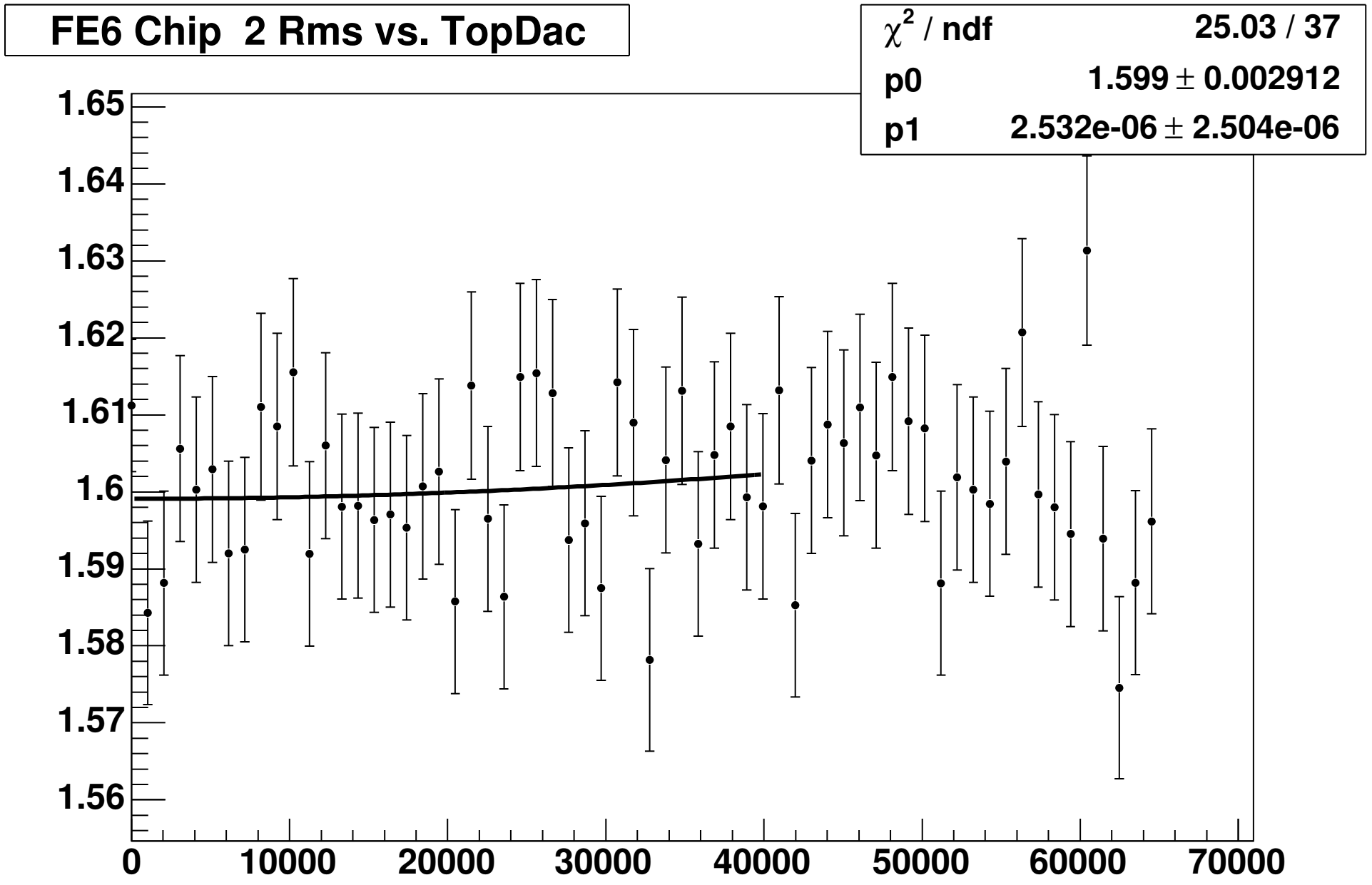

FE6 Chip 1 Mean vs. TopDac
χ² / ndf 4807 / 37
p0 12.59 ± 0.005477
p1 1.128e-05 ± 2.329e-07
13.2
13
12.8
12.6
12.4
0
10000
20000
30000
40000
50000
60000
70000

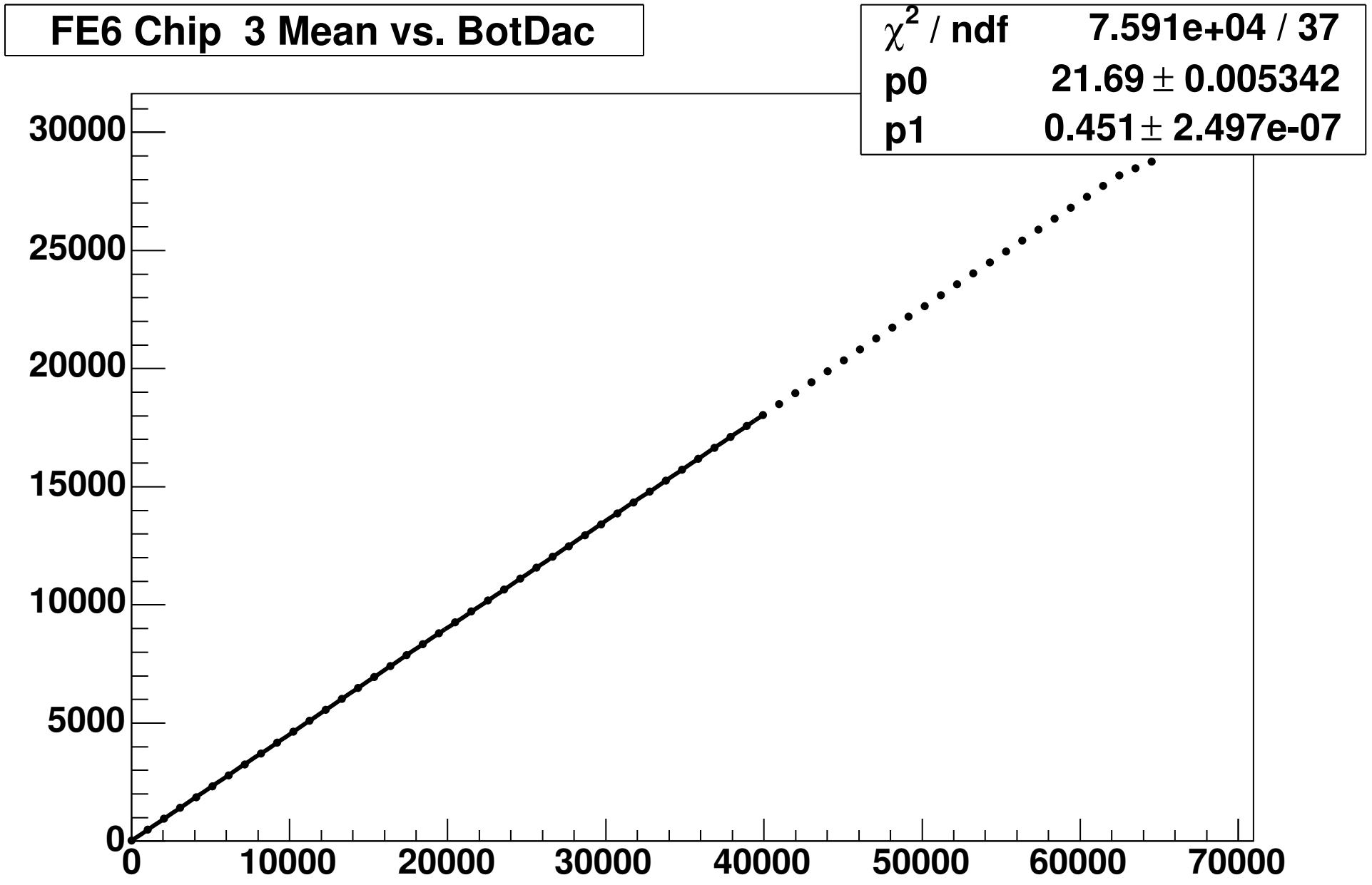

FE6 Chip 1 Rms vs. TopDac
χ² / ndf 31.45 / 37
p0 1.58 ± 0.001903
p1 3.772e-15 ± 2.997e-06
1.62
1.61
1.6
1.59
1.58
1.57
1.56
1.55
0
10000
20000
30000
40000
50000
60000
70000

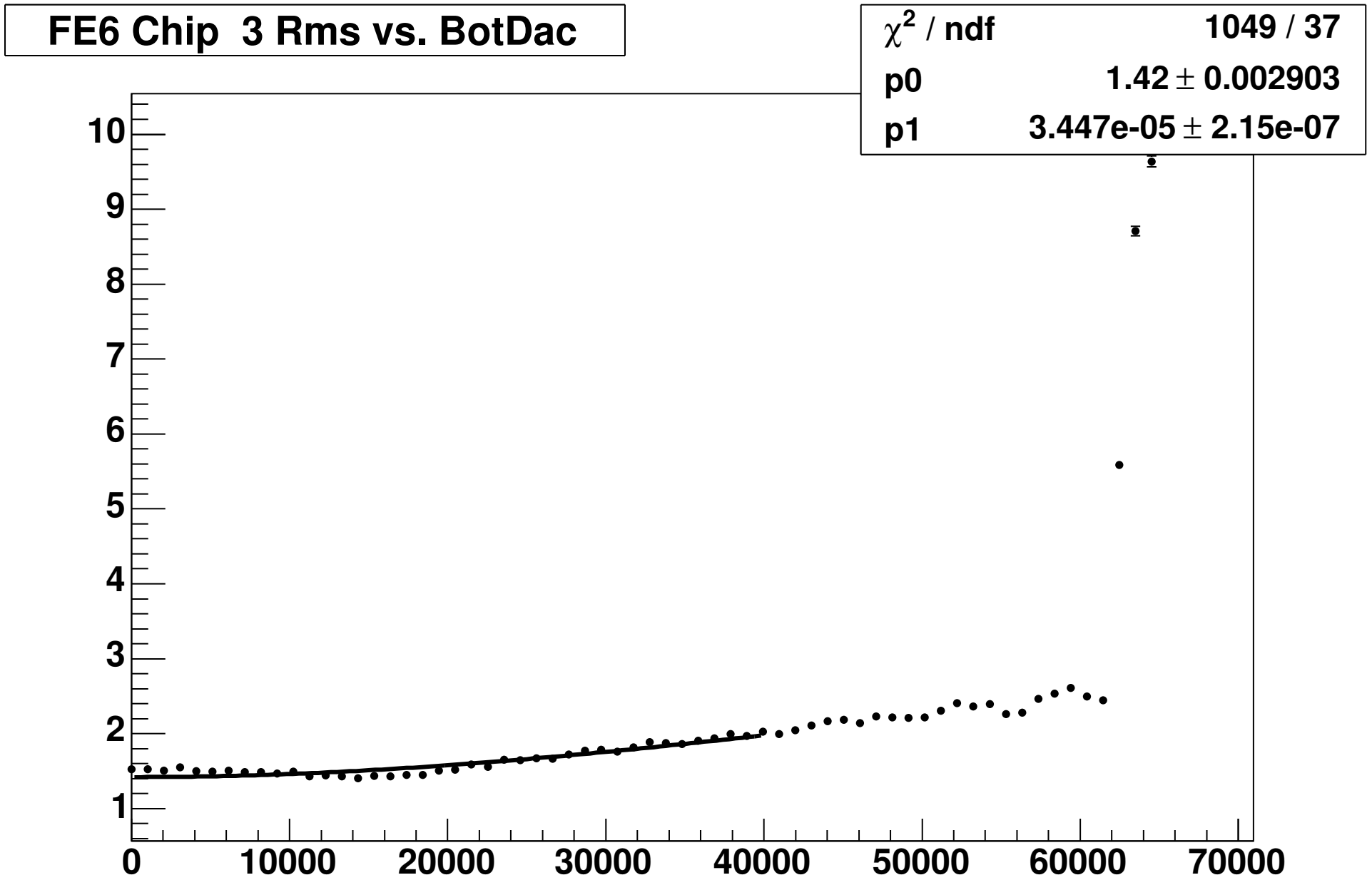

FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.185e+05 / 37
p0 24.26 ± 0.005405
p1 0.451 ± 2.521e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

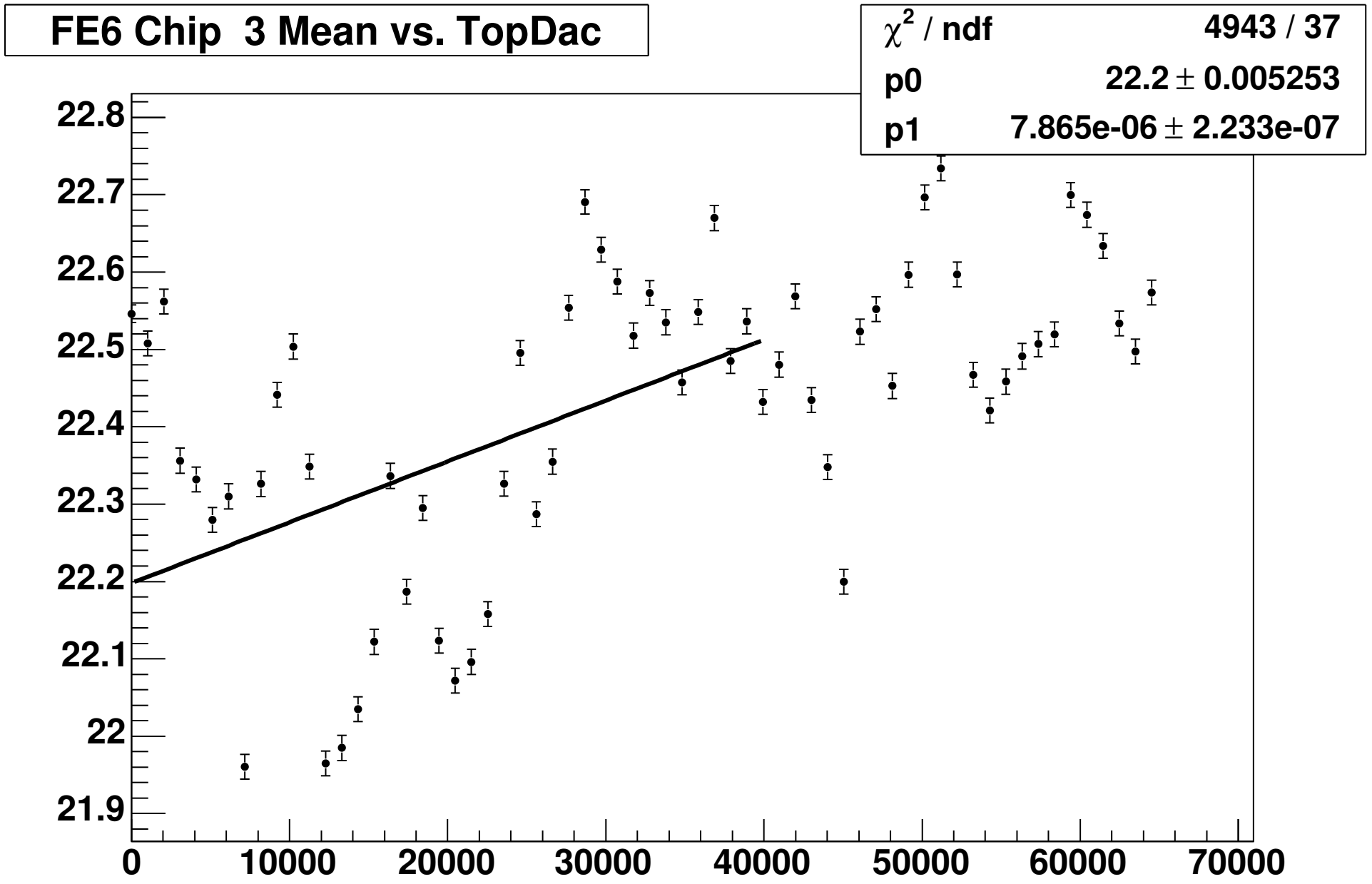

FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1083 / 37
p0 1.442 ± 0.002938
p1 3.447e-05 ± 2.195e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 4791 / 37
p0 24.93 ± 0.00554
p1 8.381e-06 ± 2.359e-07
25.6
25.4
25.2
25
24.8
24.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 25.03 / 37
p0 1.599 ± 0.002912
p1 2.532e-06 ± 2.504e-06
1.65
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 7.591e+04 / 37
p0 21.69 ± 0.005342
p1 0.451 ± 2.497e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 1049 / 37
p0 1.42 ± 0.002903
p1 3.447e-05 ± 2.15e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 4943 / 37
p0 22.2 ± 0.005253
p1 7.865e-06 ± 2.233e-07
22.8
22.7
22.6
22.5
22.4
22.3
22.2
22.1
22
21.9
0
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20000
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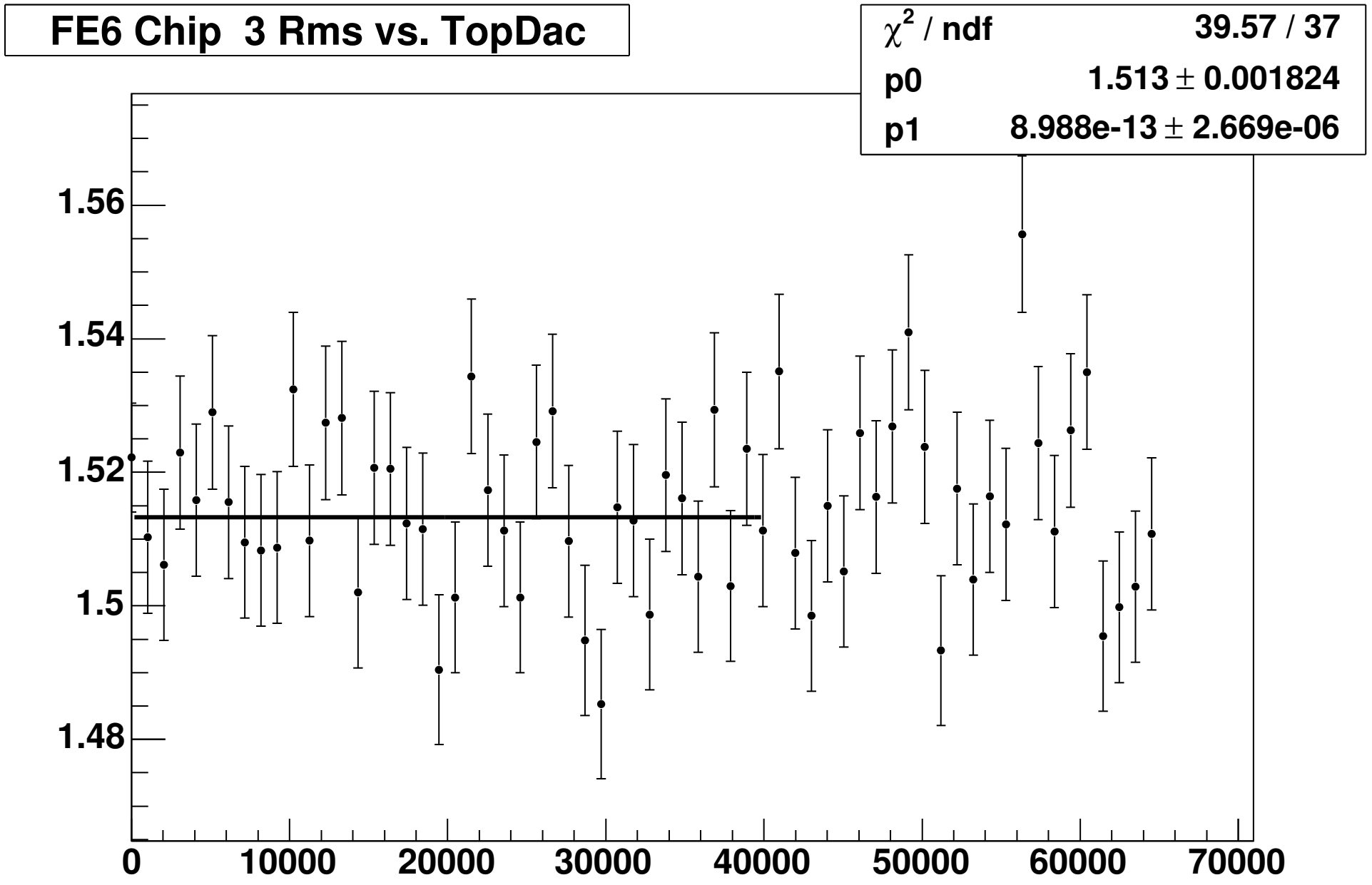
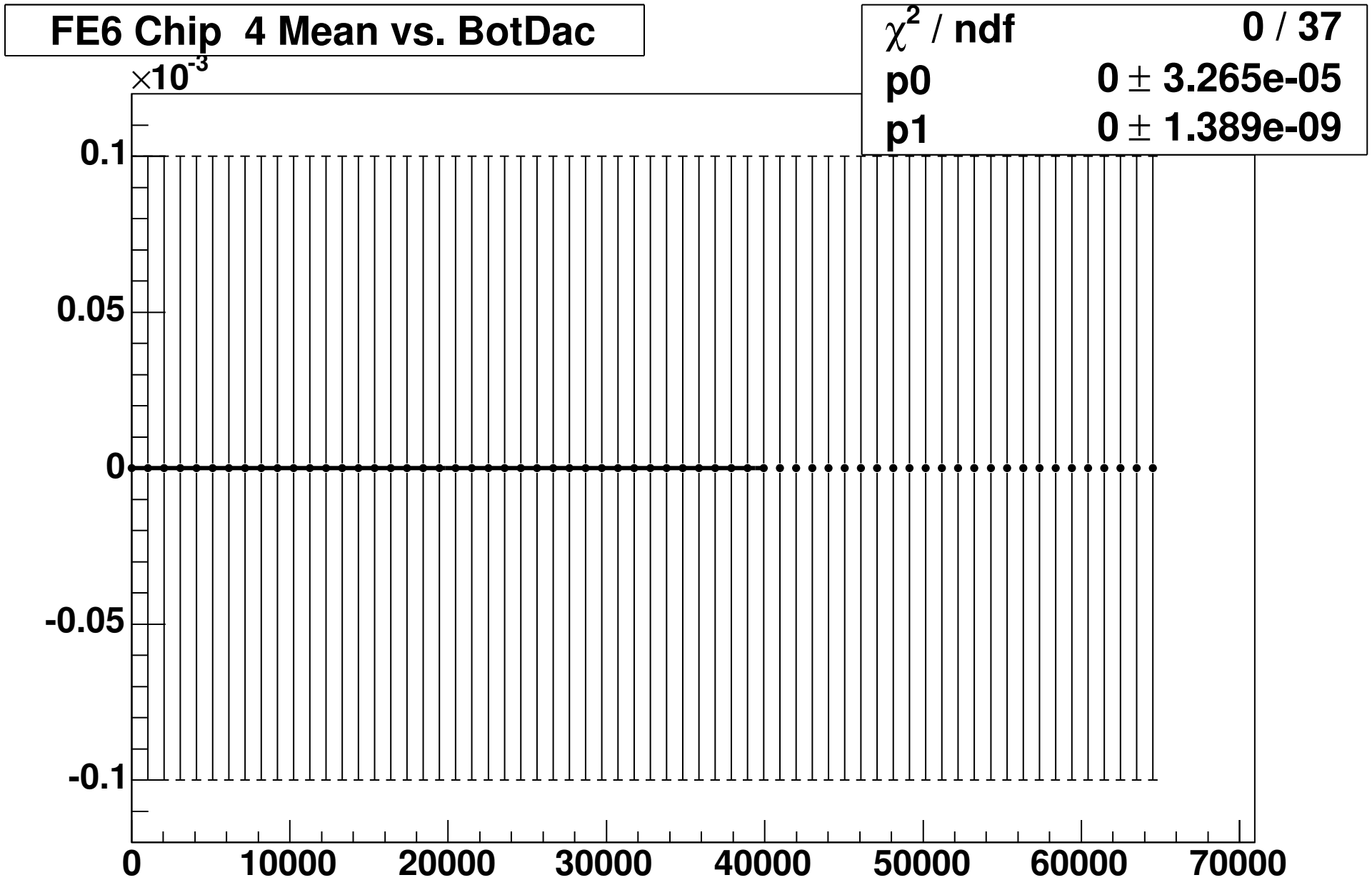
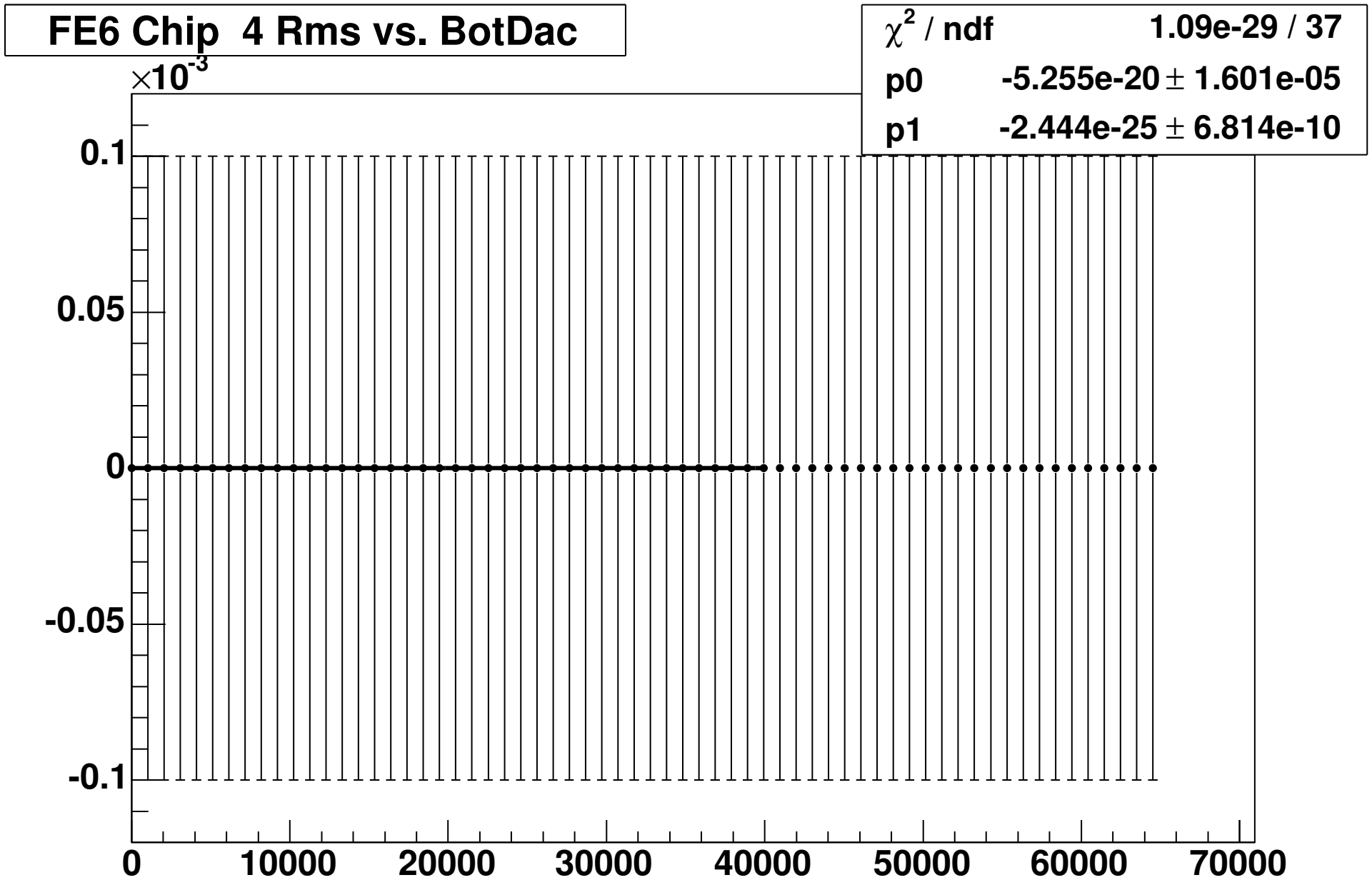
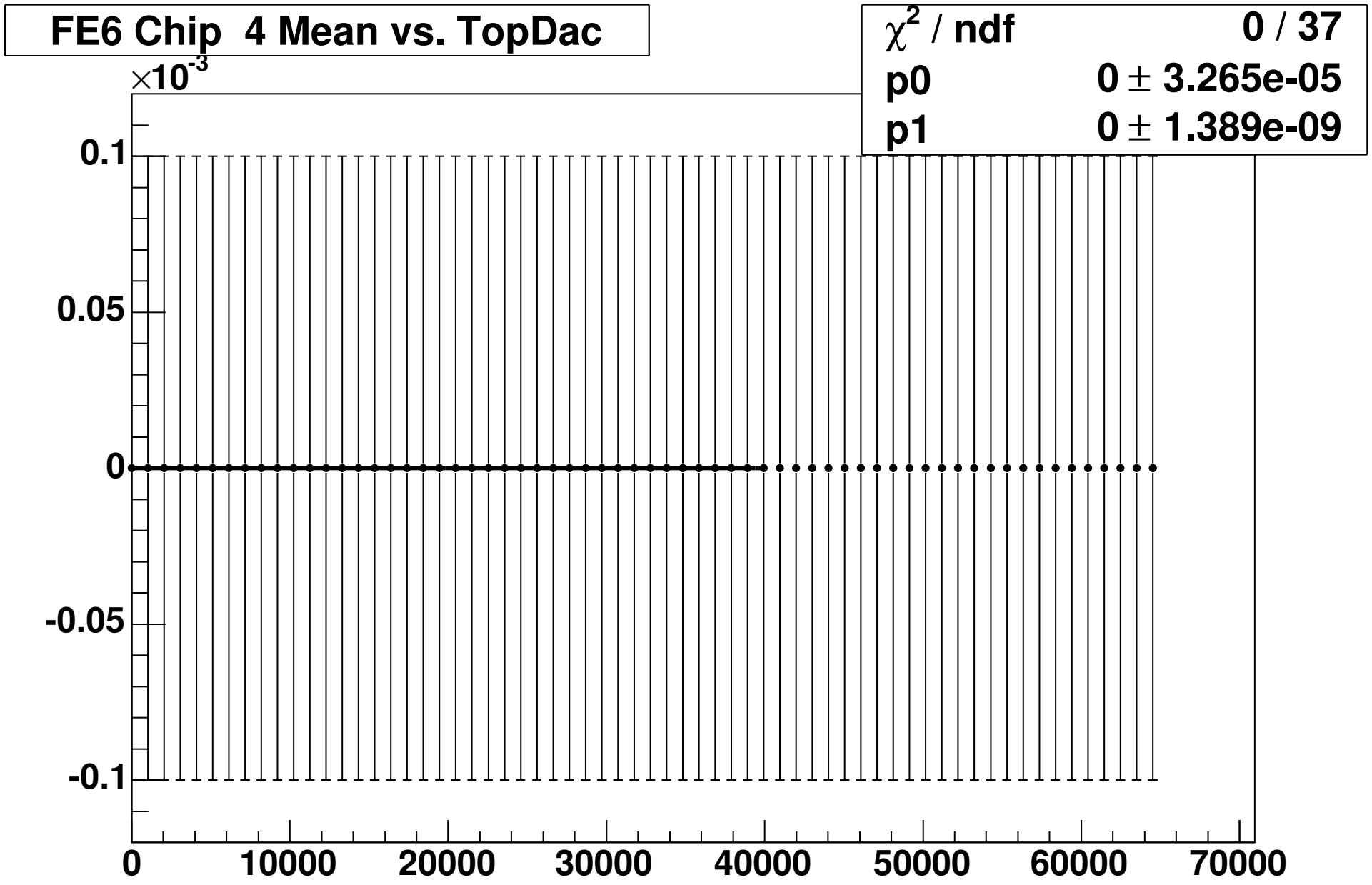
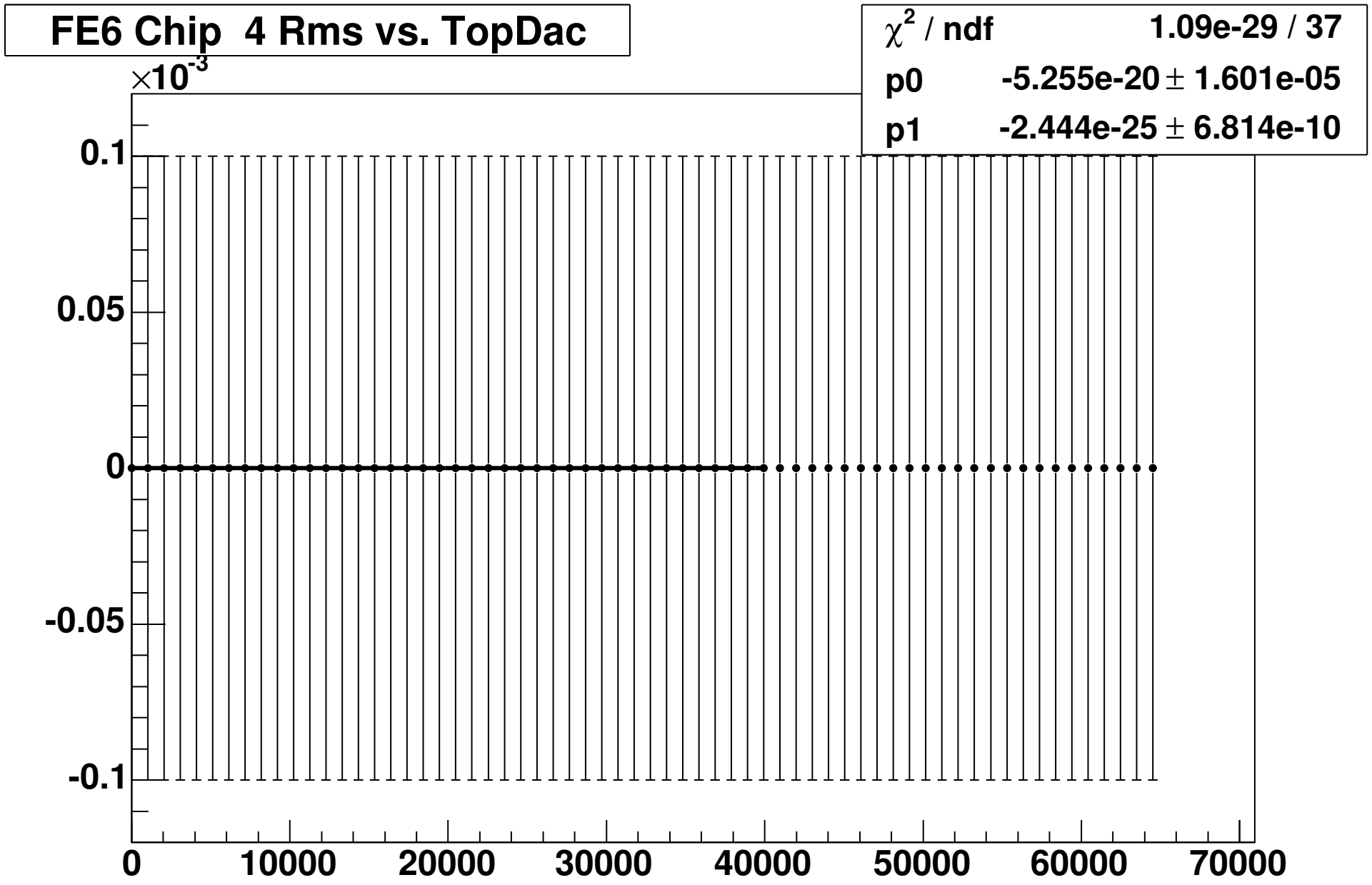
50000
60000
70000

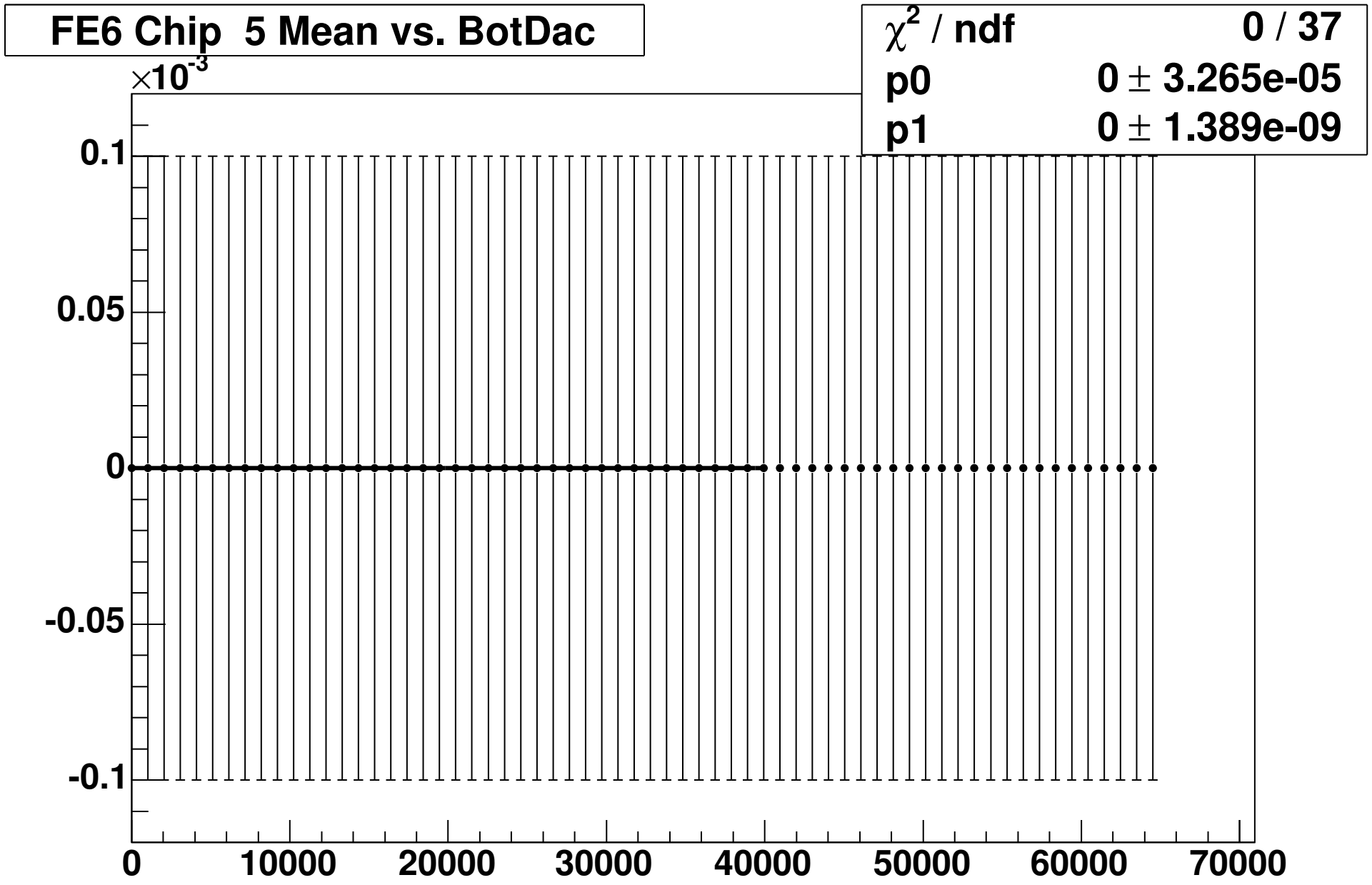

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 39.57 / 37
p0 1.513 ± 0.001824
p1 8.988e-13 ± 2.669e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

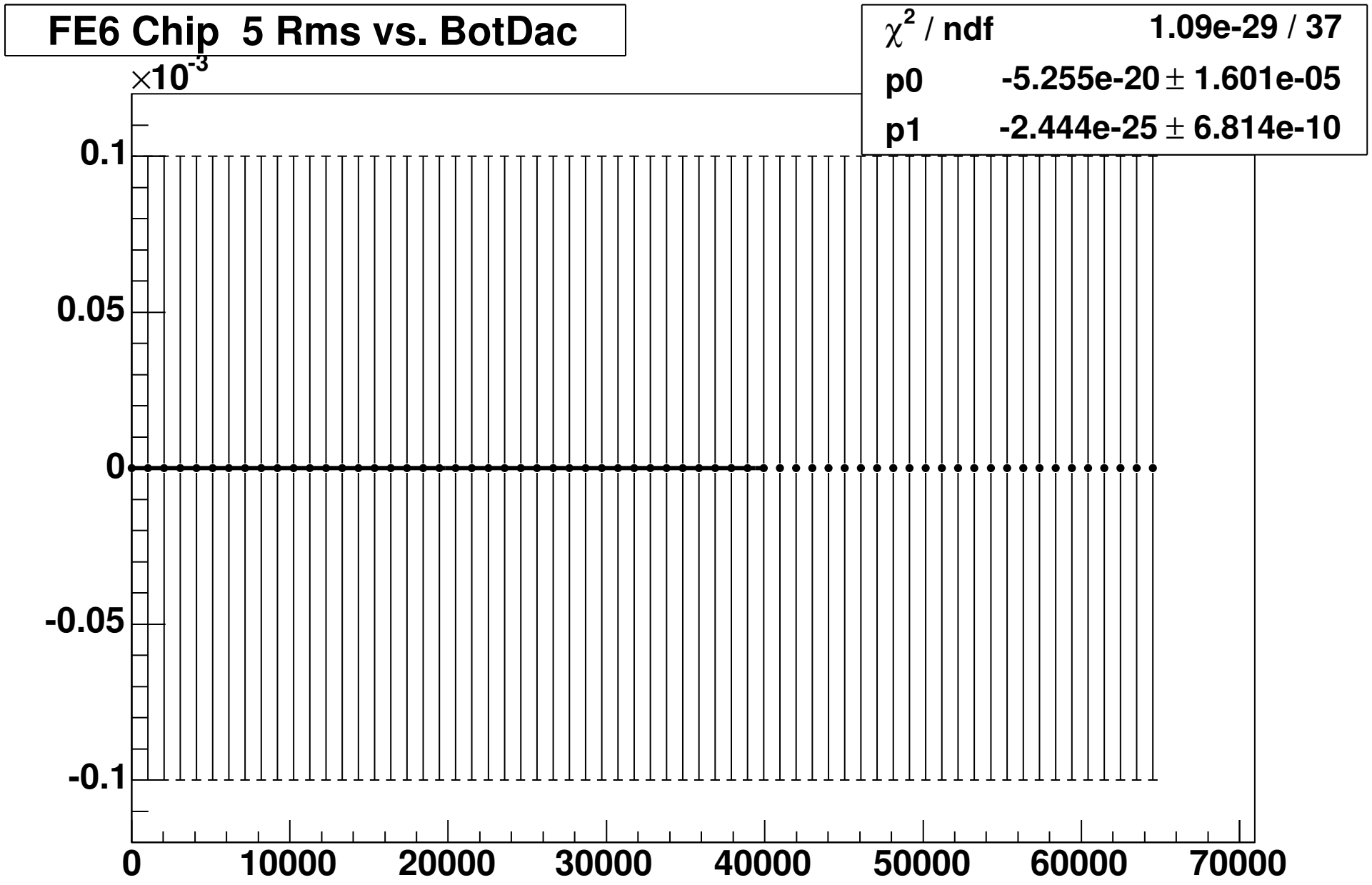

FE6 Chip 4 Mean vs. BotDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

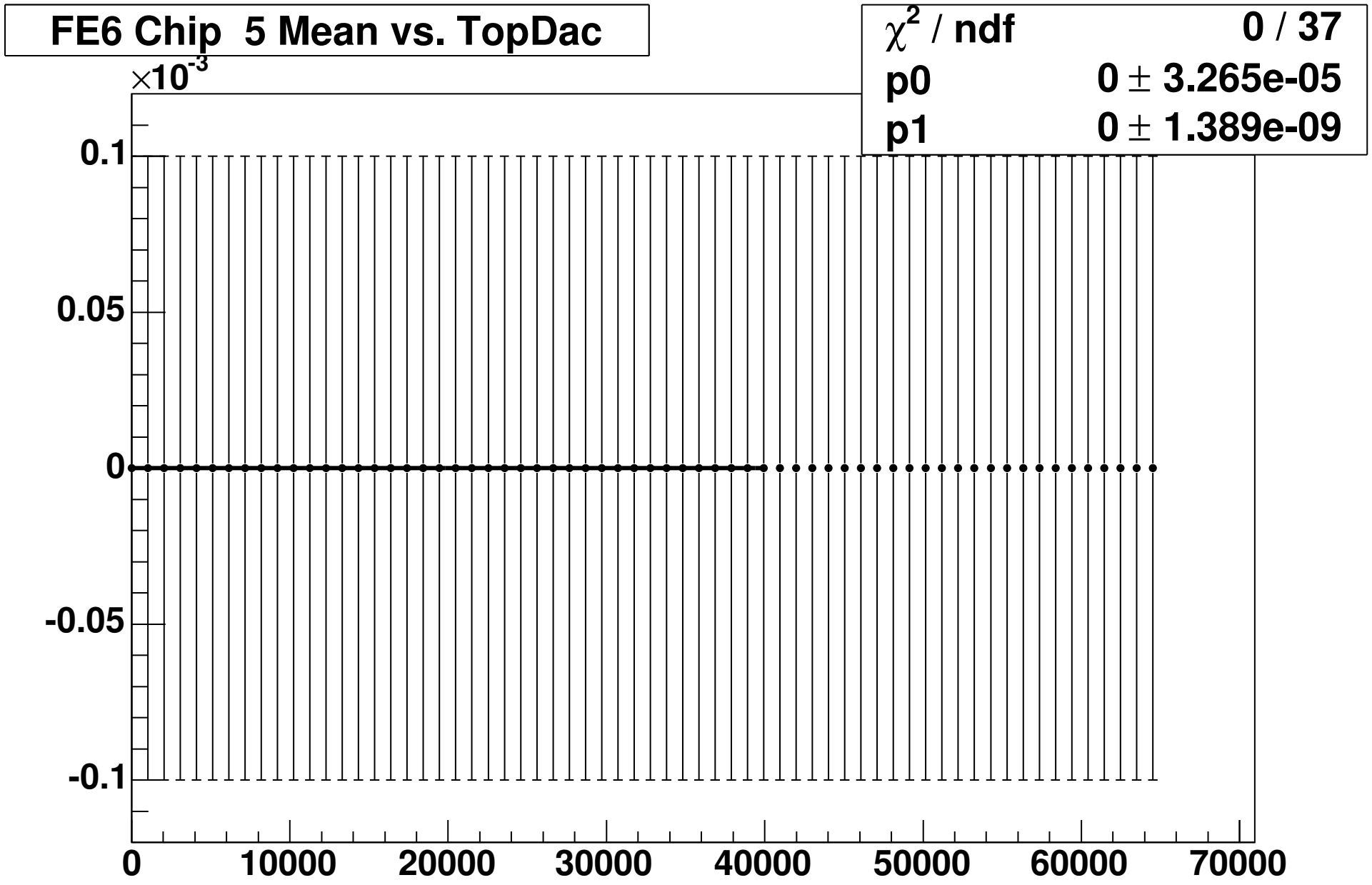

FE6 Chip 4 Rms vs. BotDac
χ^2 / ndf 1.09e-29 / 37
p0 -5.255e-20 ± 1.601e-05
p1 -2.444e-25 ± 6.814e-10
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

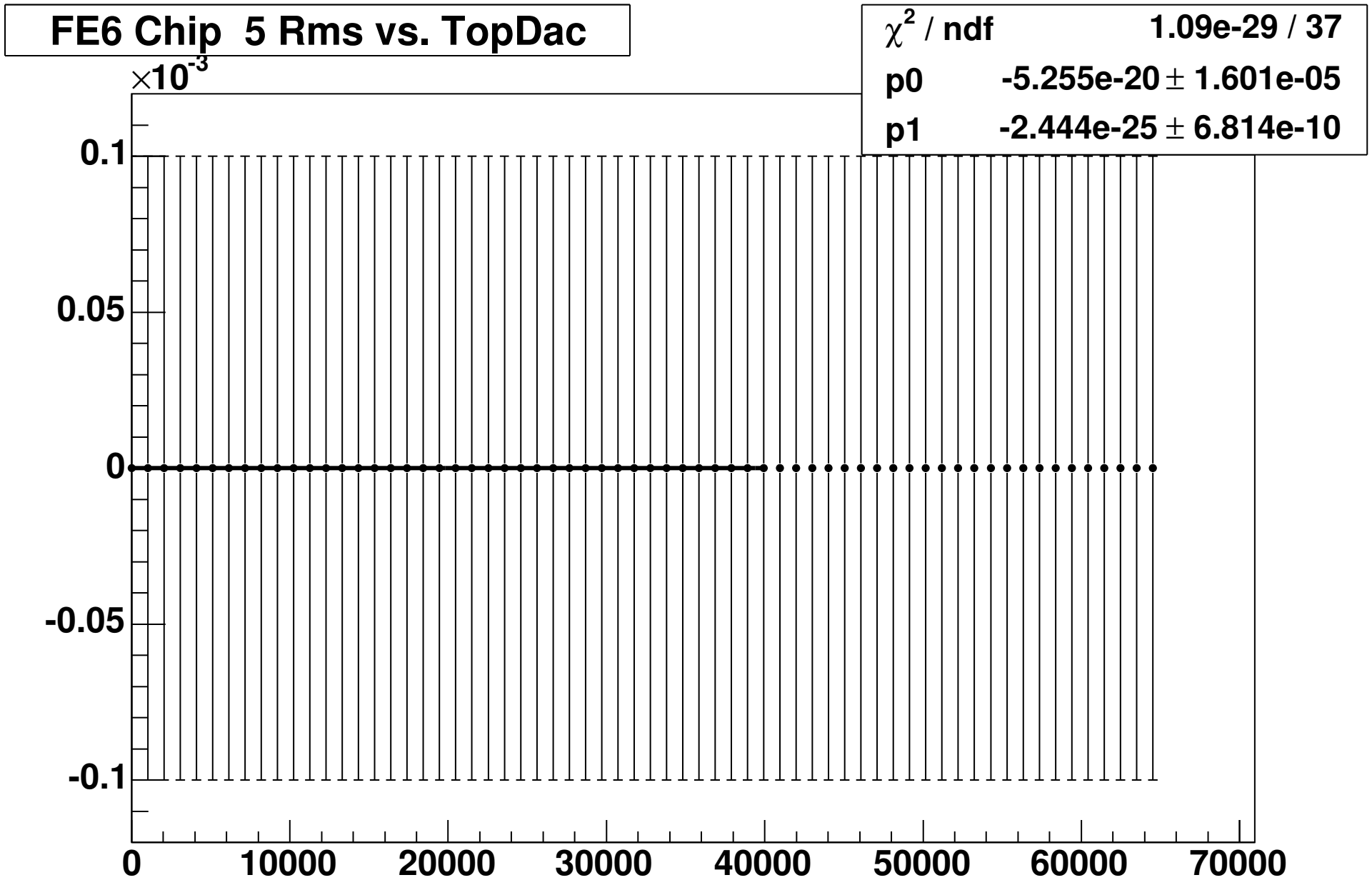

FE6 Chip 4 Mean vs. TopDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

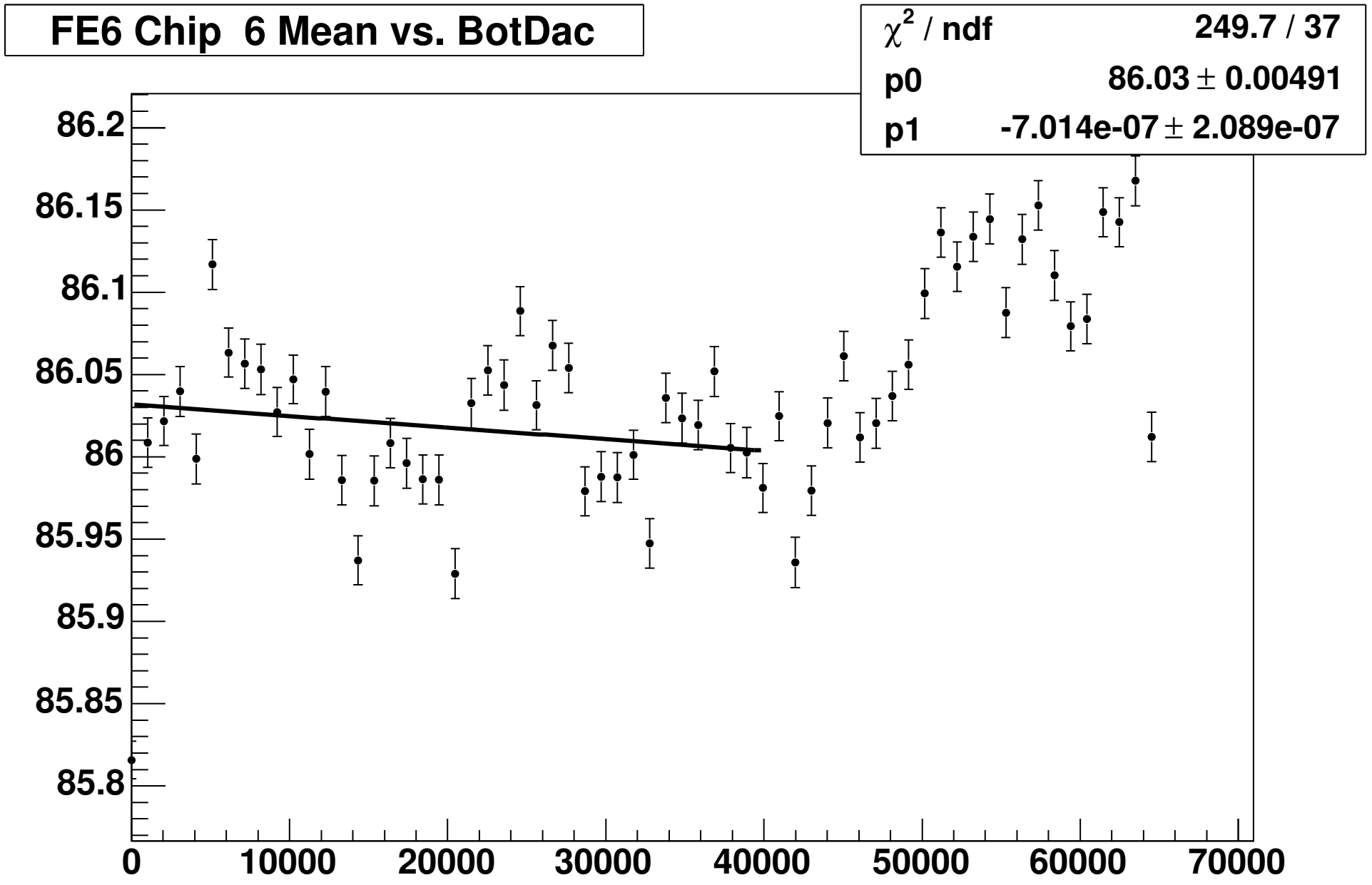

FE6 Chip 4 Rms vs. TopDac
χ^2 / ndf 1.09e-29 / 37
p0 -5.255e-20 ± 1.601e-05
p1 -2.444e-25 ± 6.814e-10
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

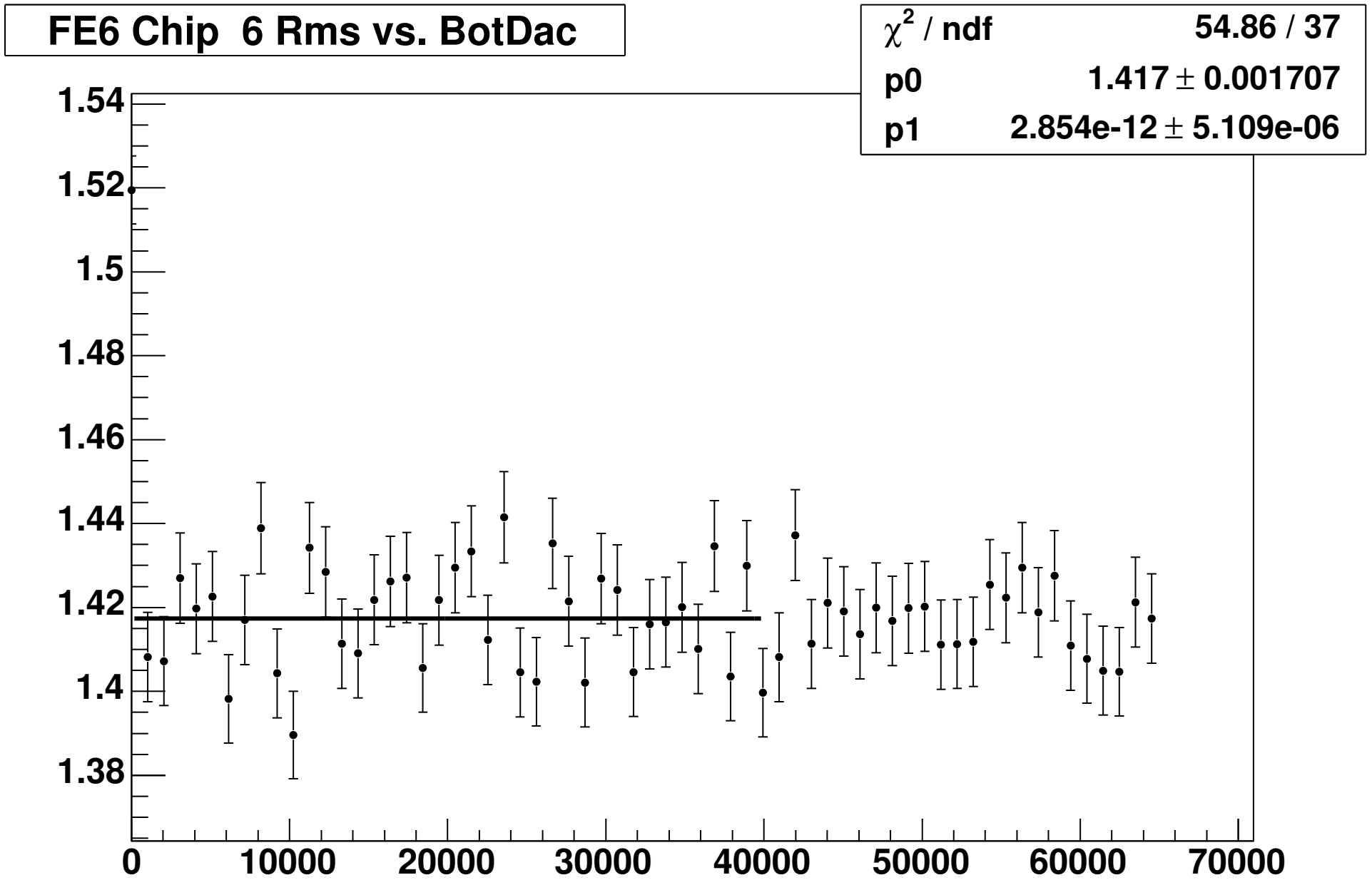

FE6 Chip 5 Mean vs. BotDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

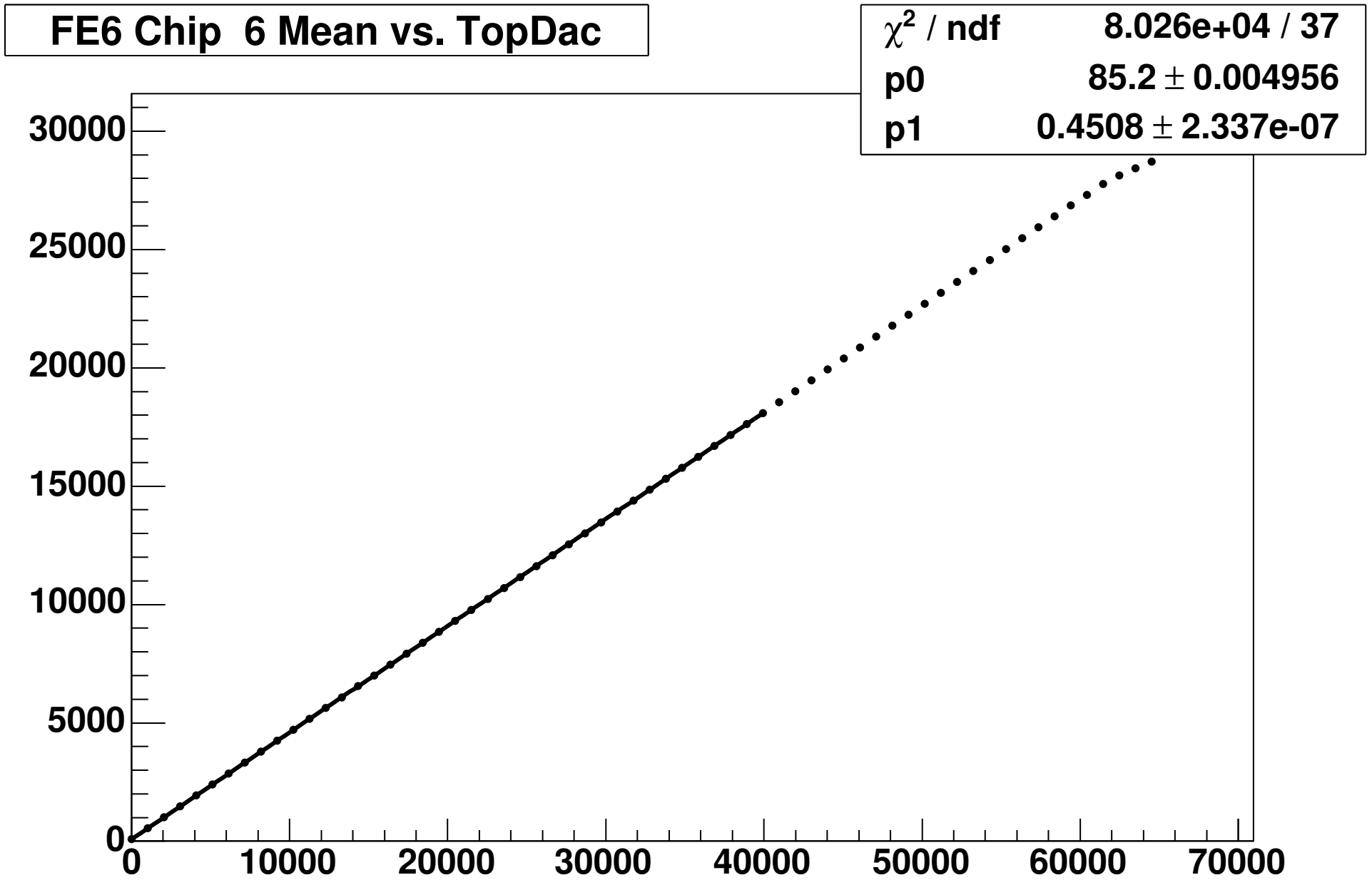

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 1.09e-29 / 37
p0 -5.255e-20 ± 1.601e-05
p1 -2.444e-25 ± 6.814e-10
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

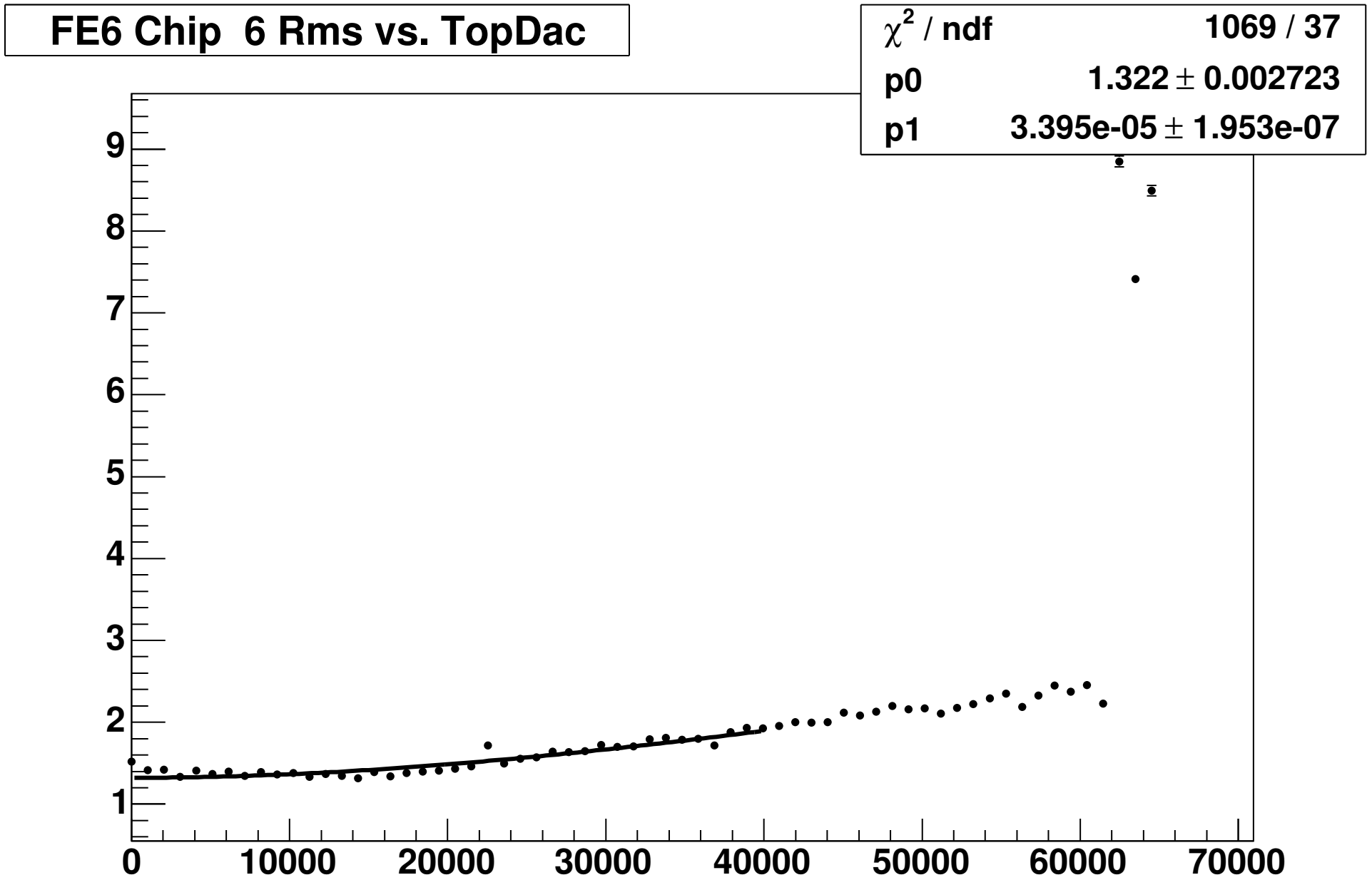

FE6 Chip 5 Mean vs. TopDac
χ^2 / ndf 0 / 37
p0 0 ± 3.265e-05
p1 0 ± 1.389e-09
×10^-3
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

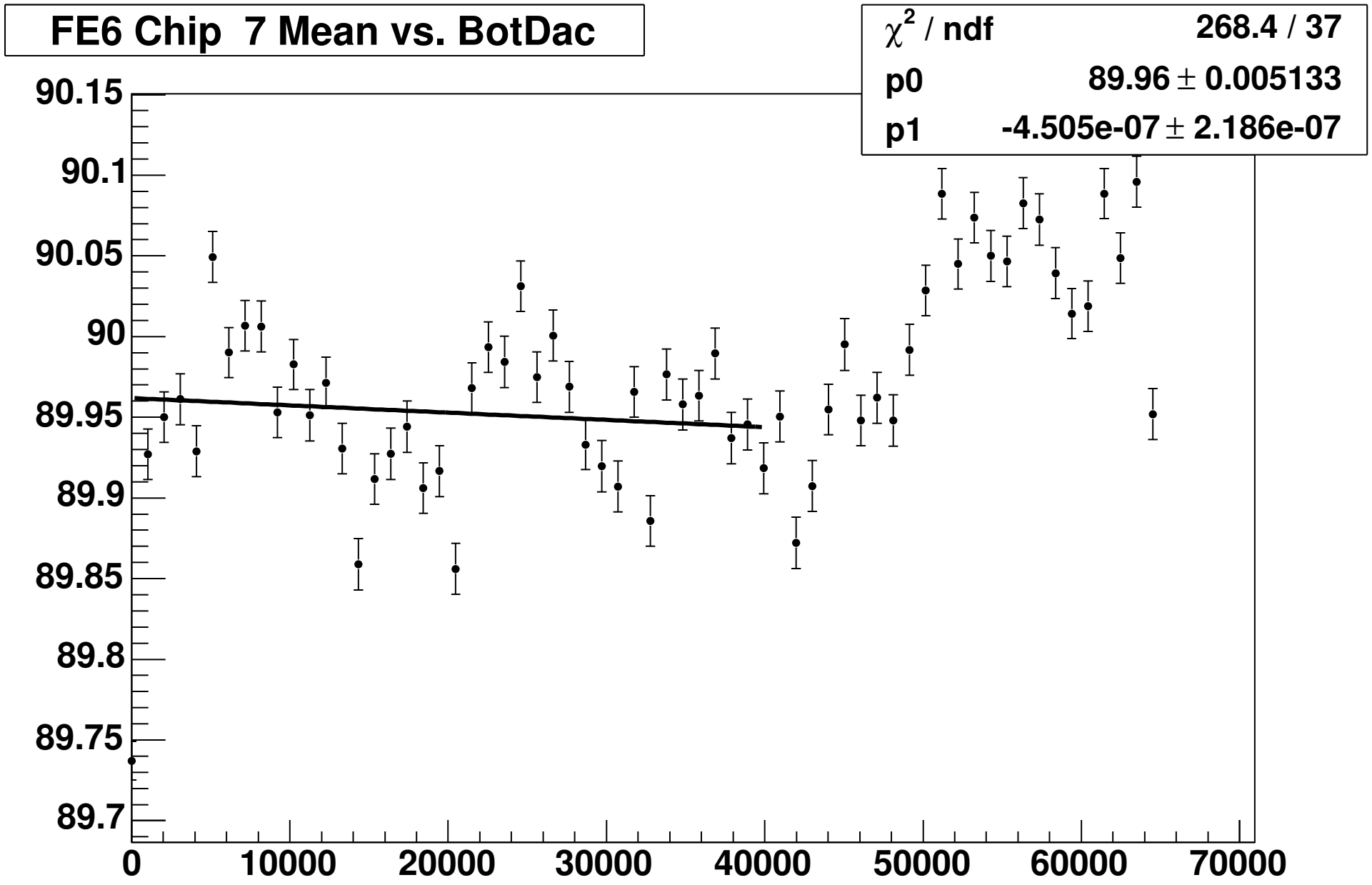

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 1.09e-29 / 37
p0 -5.255e-20 ± 1.601e-05
p1 -2.444e-25 ± 6.814e-10
×10⁻³
0.1
0.05
0
-0.05
-0.1
0
10000
20000
30000
40000
50000
60000
70000

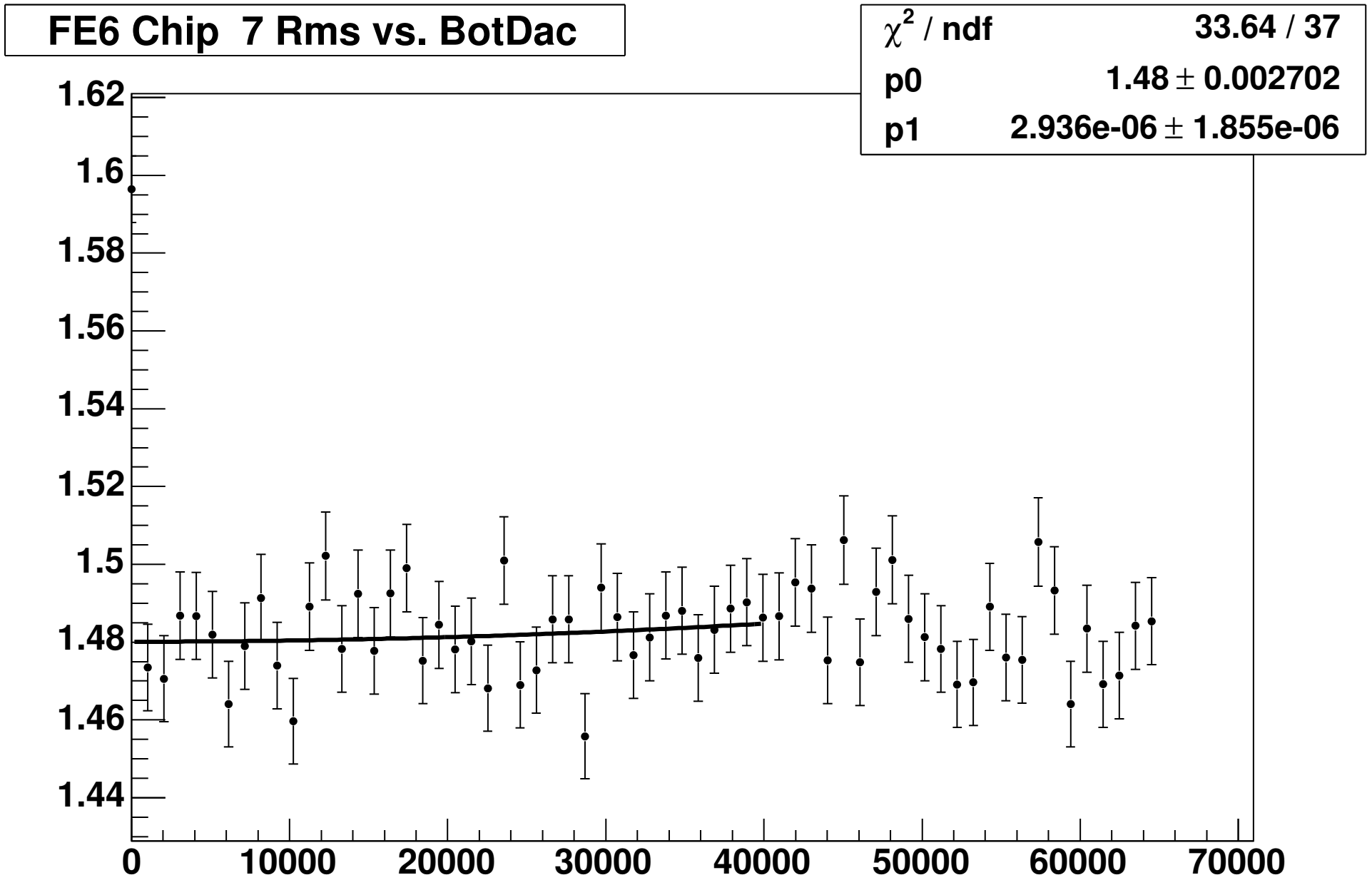

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 249.7 / 37
p0 86.03 ± 0.00491
p1 -7.014e-07 ± 2.089e-07
86.2
86.15
86.1
86.05
86
85.95
85.9
85.85
85.8
0
10000
20000
30000
40000
50000
60000
70000

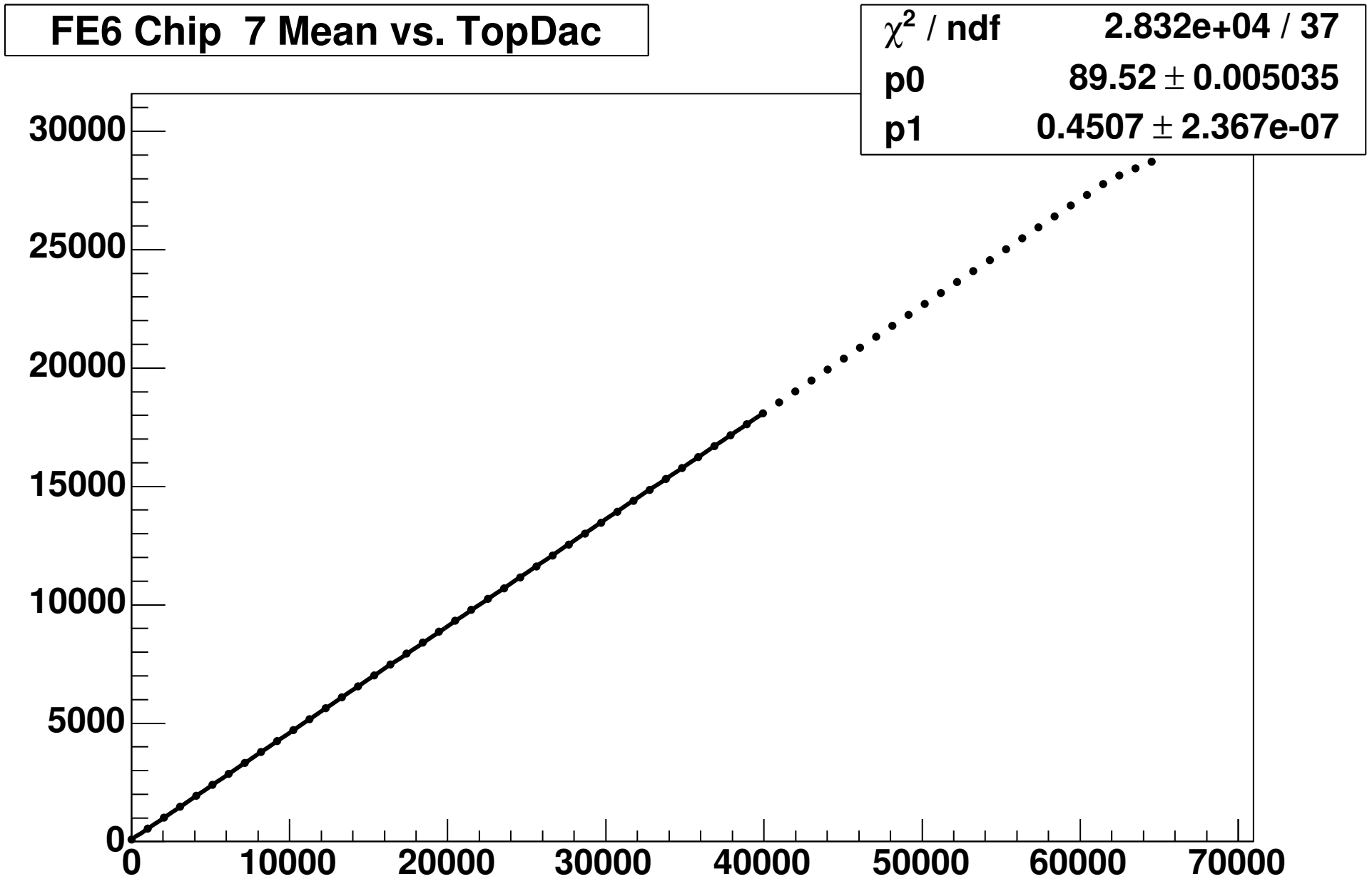

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 54.86 / 37
p0 1.417 ± 0.001707
p1 2.854e-12 ± 5.109e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000

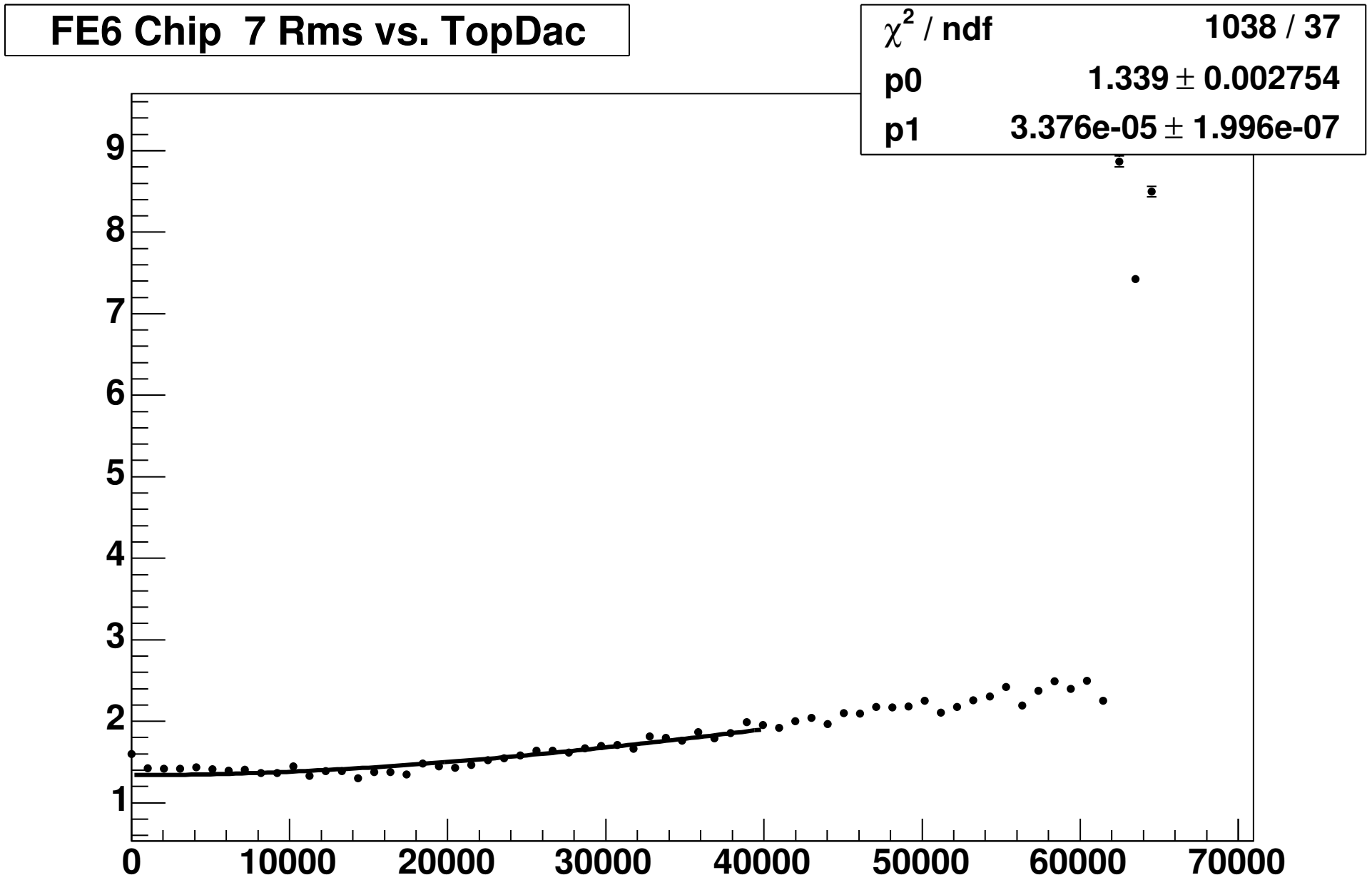

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 8.026e+04 / 37
p0 85.2 ± 0.004956
p1 0.4508 ± 2.337e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

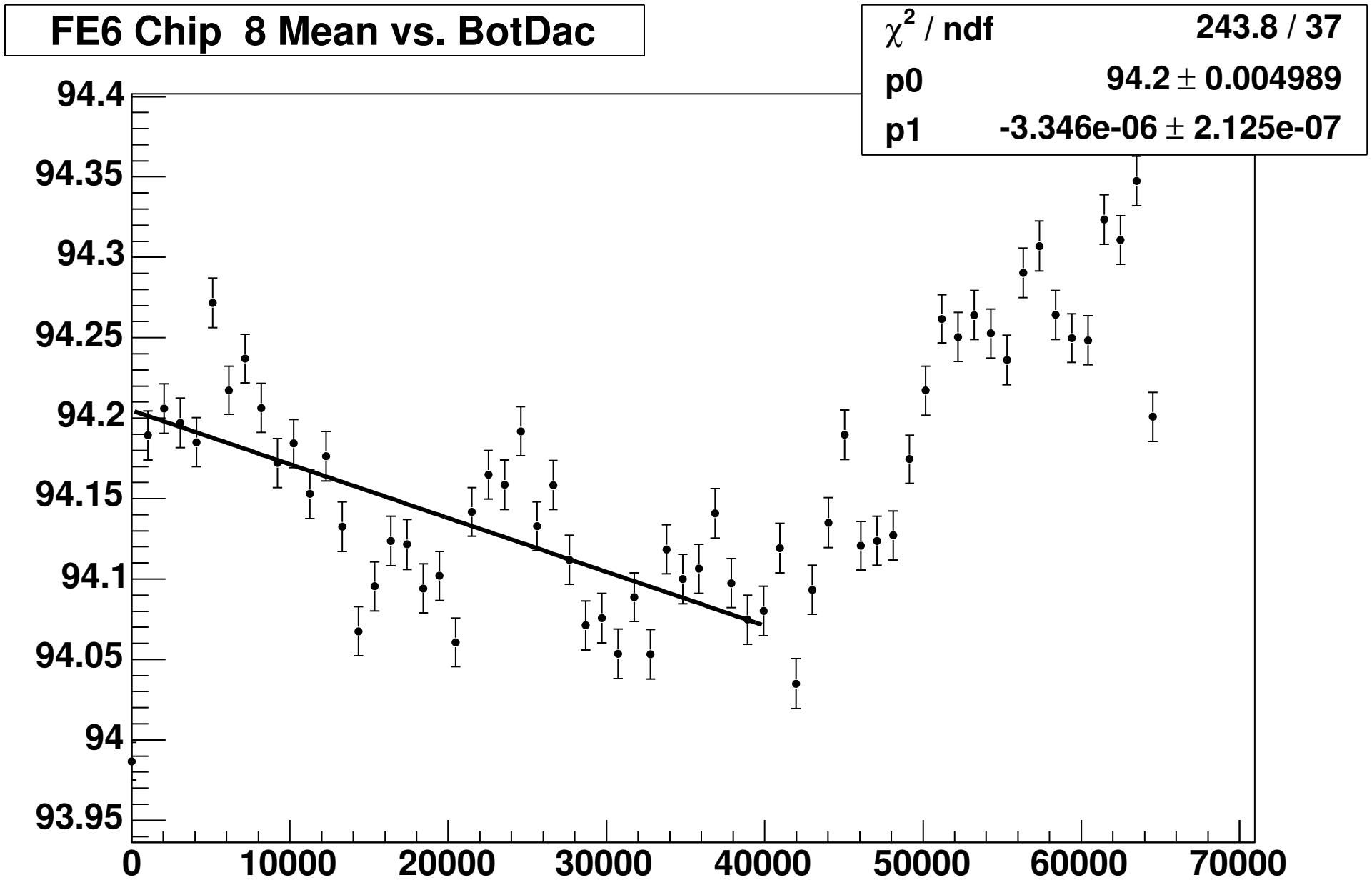

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 1069 / 37
p0 1.322 ± 0.002723
p1 3.395e-05 ± 1.953e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

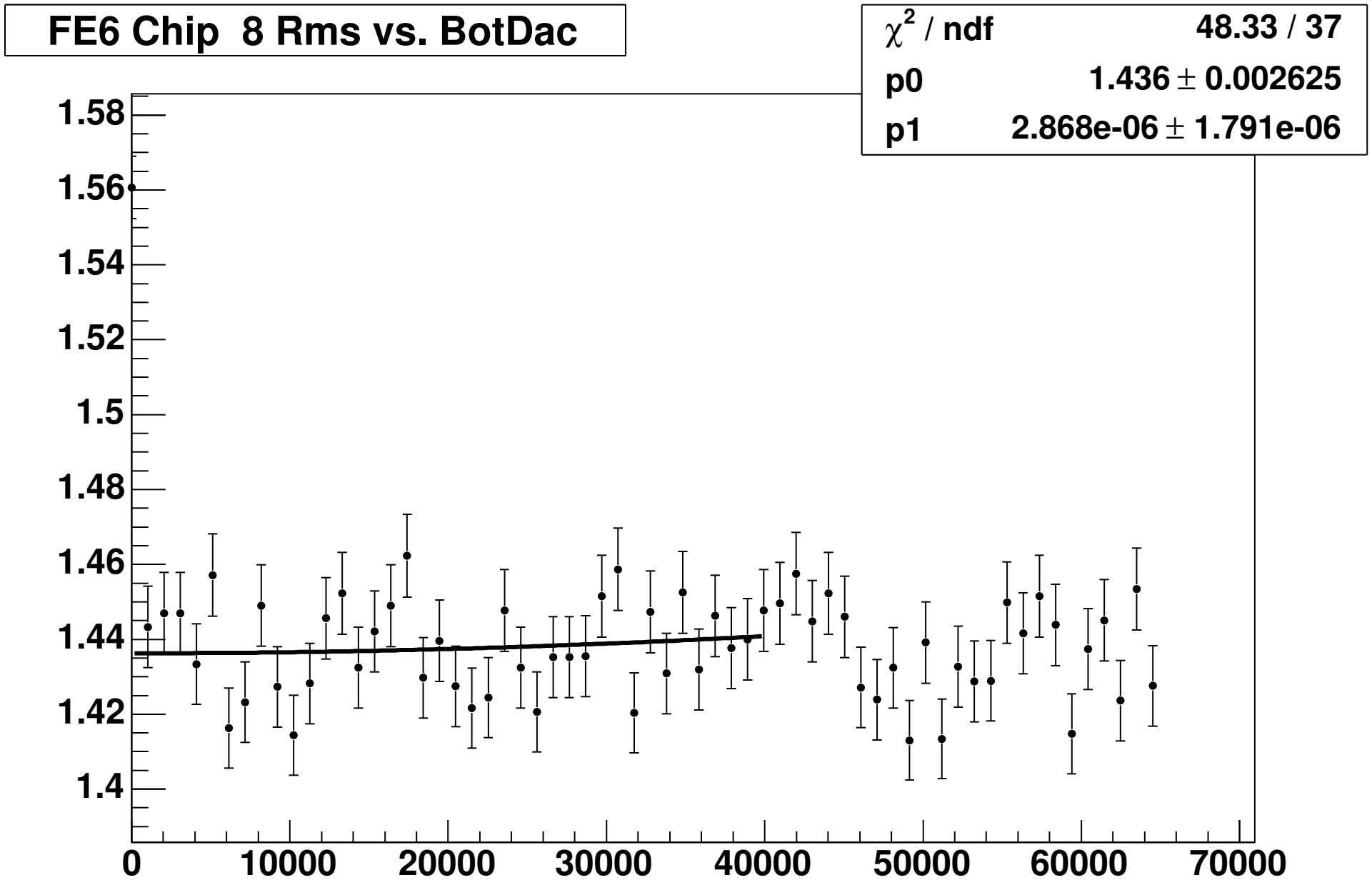

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 268.4 / 37
p0 89.96 ± 0.005133
p1 -4.505e-07 ± 2.186e-07
90.15
90.1
90.05
90
89.95
89.9
89.85
89.8
89.75
89.7
0
10000
20000
30000
40000
50000
60000
70000

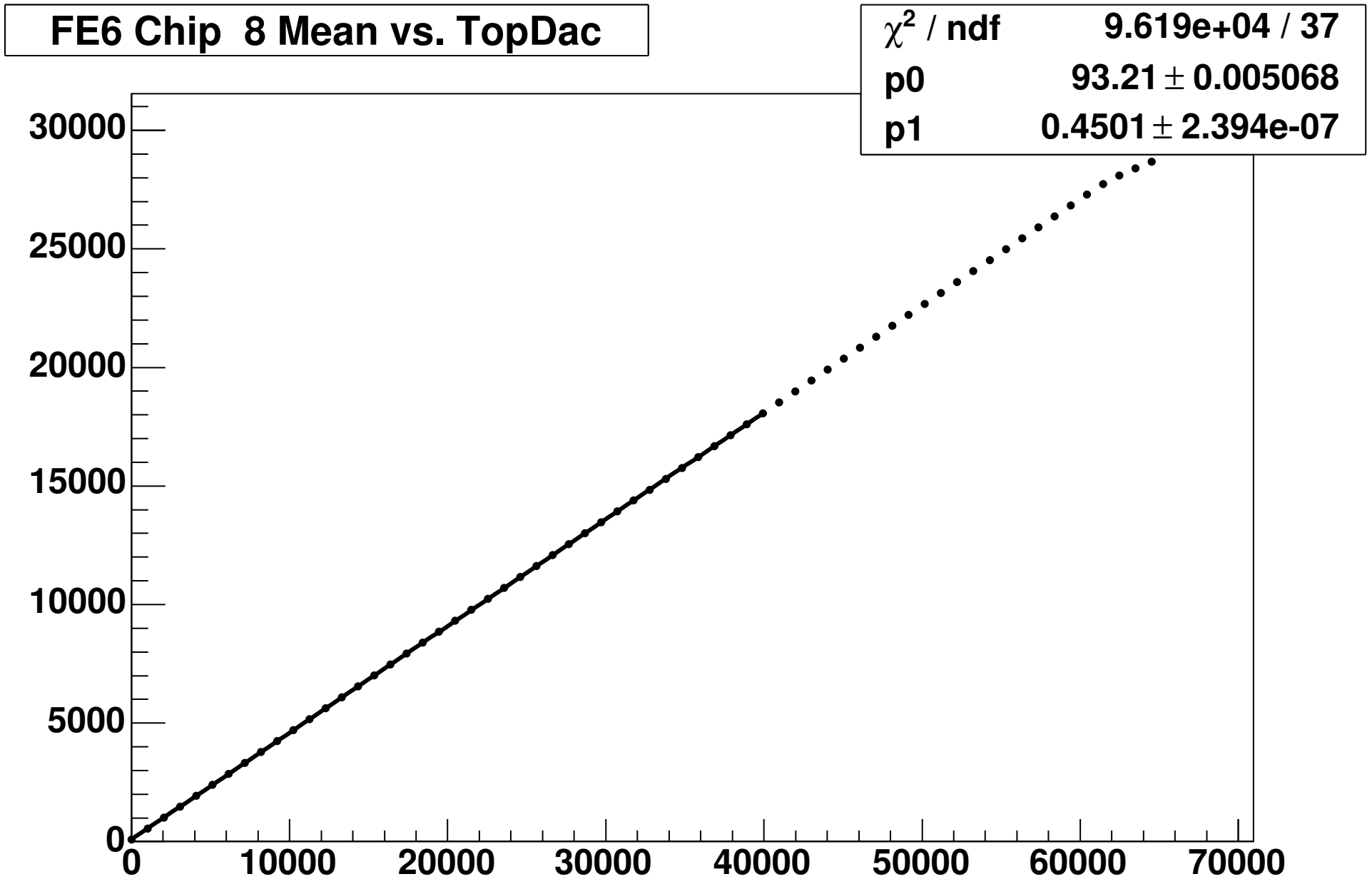

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 33.64 / 37
p0 1.48 ± 0.002702
p1 2.936e-06 ± 1.855e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

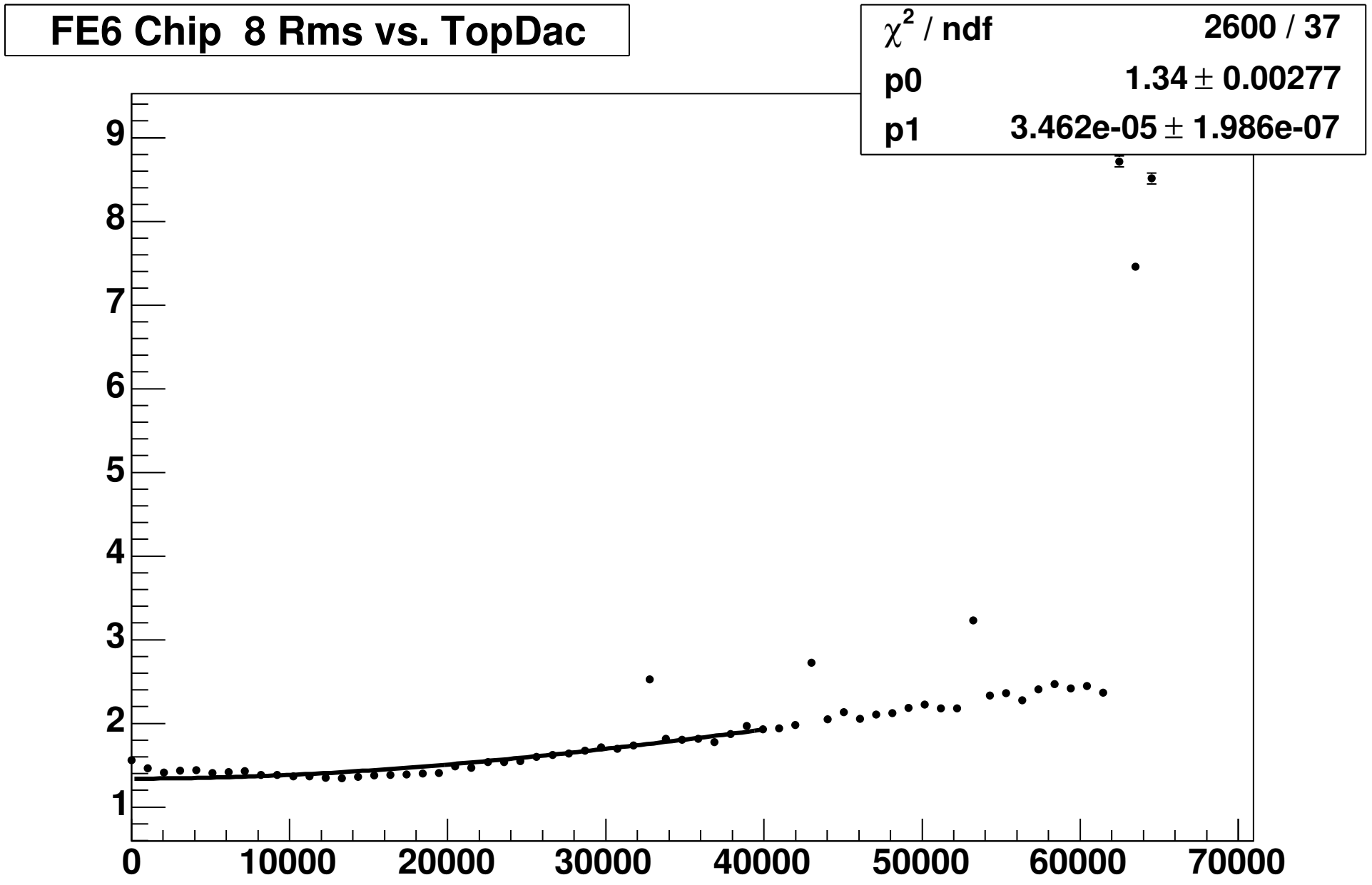

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 2.832e+04 / 37
p0 89.52 ± 0.005035
p1 0.4507 ± 2.367e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

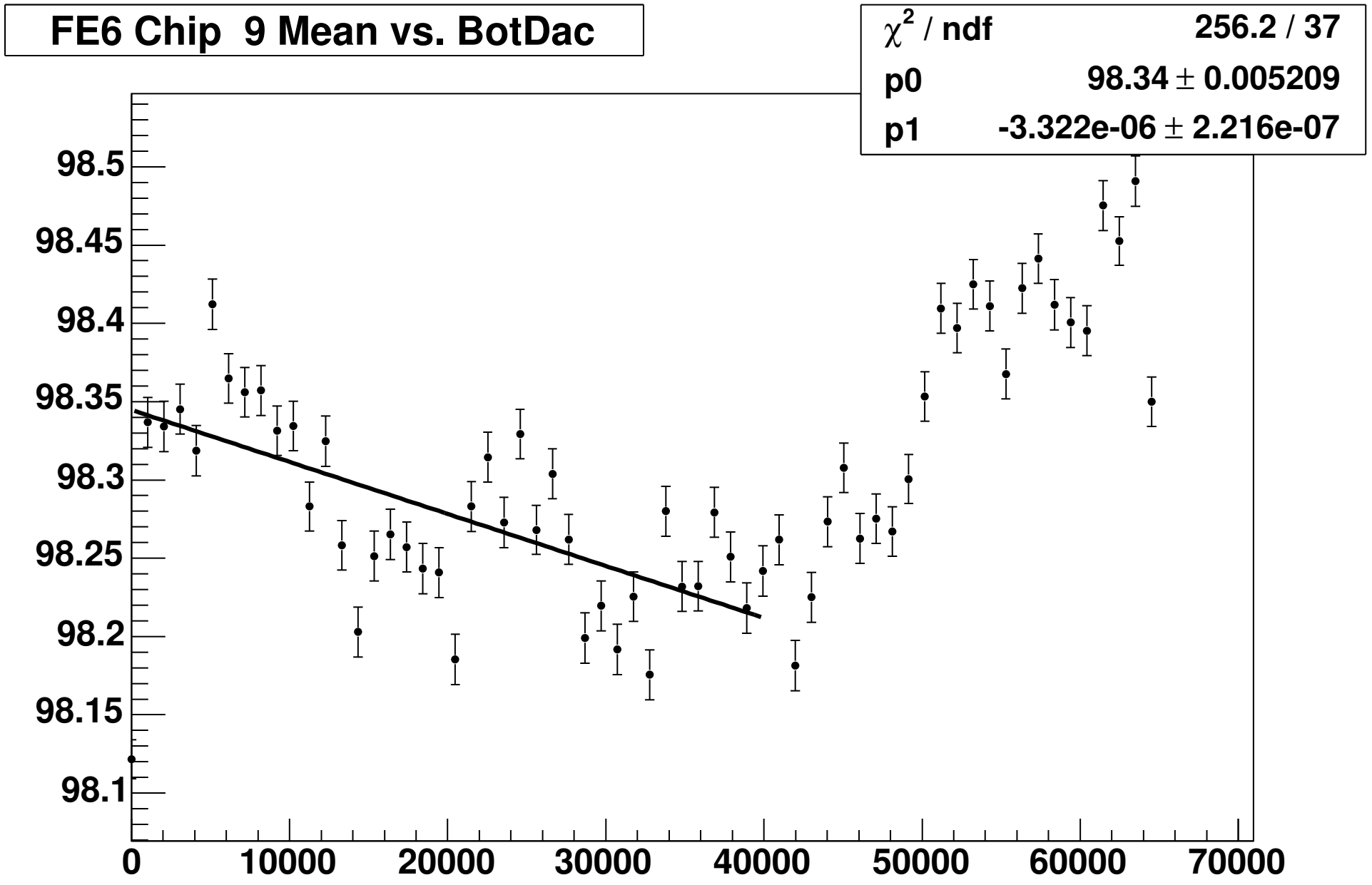

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1038 / 37
p0 1.339 ± 0.002754
p1 3.376e-05 ± 1.996e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

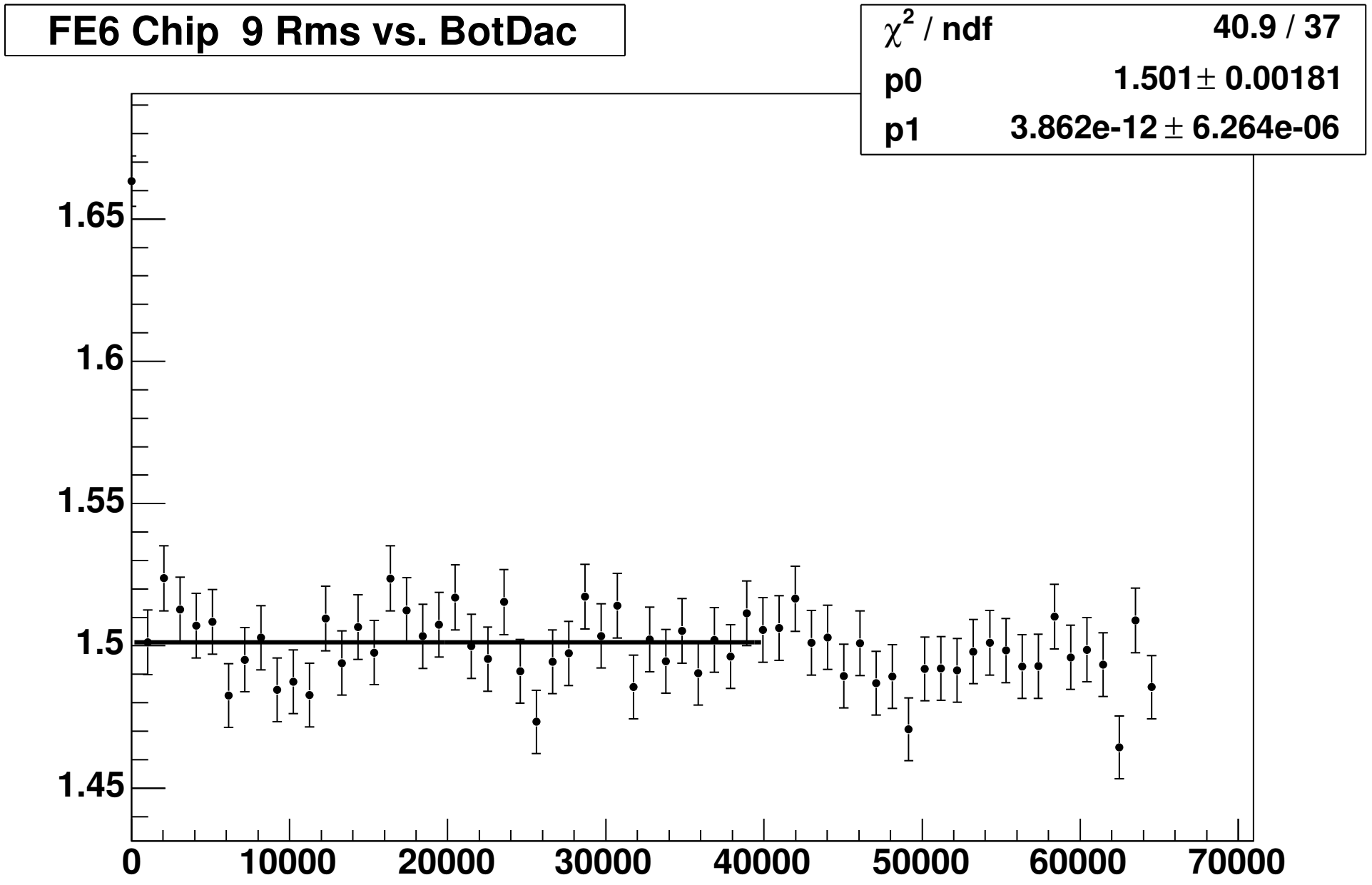

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 243.8 / 37
p0 94.2 ± 0.004989
p1 -3.346e-06 ± 2.125e-07
94.4
94.35
94.3
94.25
94.2
94.15
94.1
94.05
94
93.95
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. BotDac
χ² / ndf 48.33 / 37
p0 1.436 ± 0.002625
p1 2.868e-06 ± 1.791e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 9.619e+04 / 37
p0 93.21 ± 0.005068
p1 0.4501 ± 2.394e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 2600 / 37
p0 1.34 ± 0.00277
p1 3.462e-05 ± 1.986e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 256.2 / 37
p0 98.34 ± 0.005209
p1 -3.322e-06 ± 2.216e-07
98.5
98.45
98.4
98.35
98.3
98.25
98.2
98.15
98.1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 40.9 / 37
p0 1.501 ± 0.00181
p1 3.862e-12 ± 6.264e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
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60000
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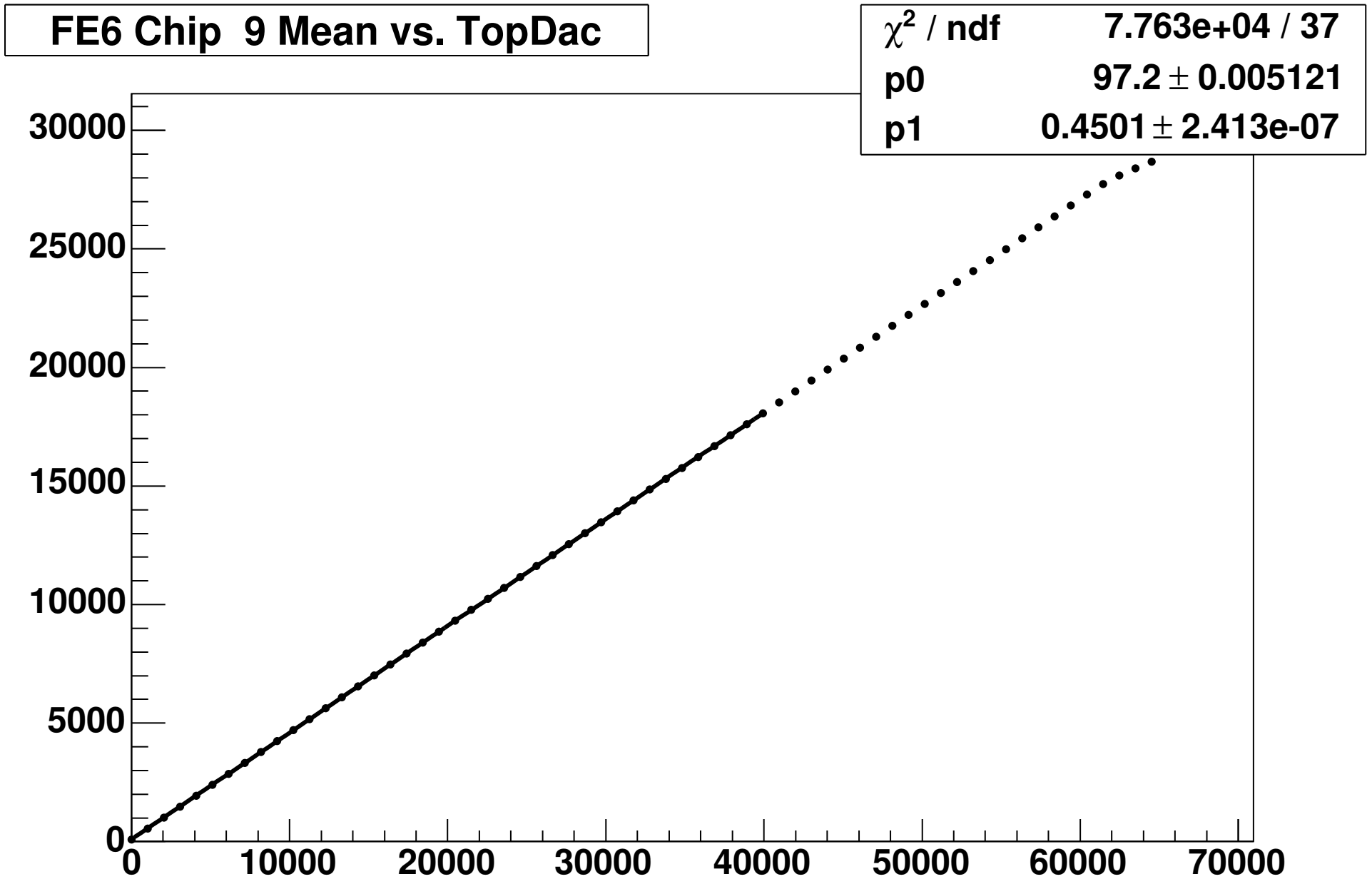
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 7.763e+04 / 37
p0 97.2 ± 0.005121
p1 0.4501 ± 2.413e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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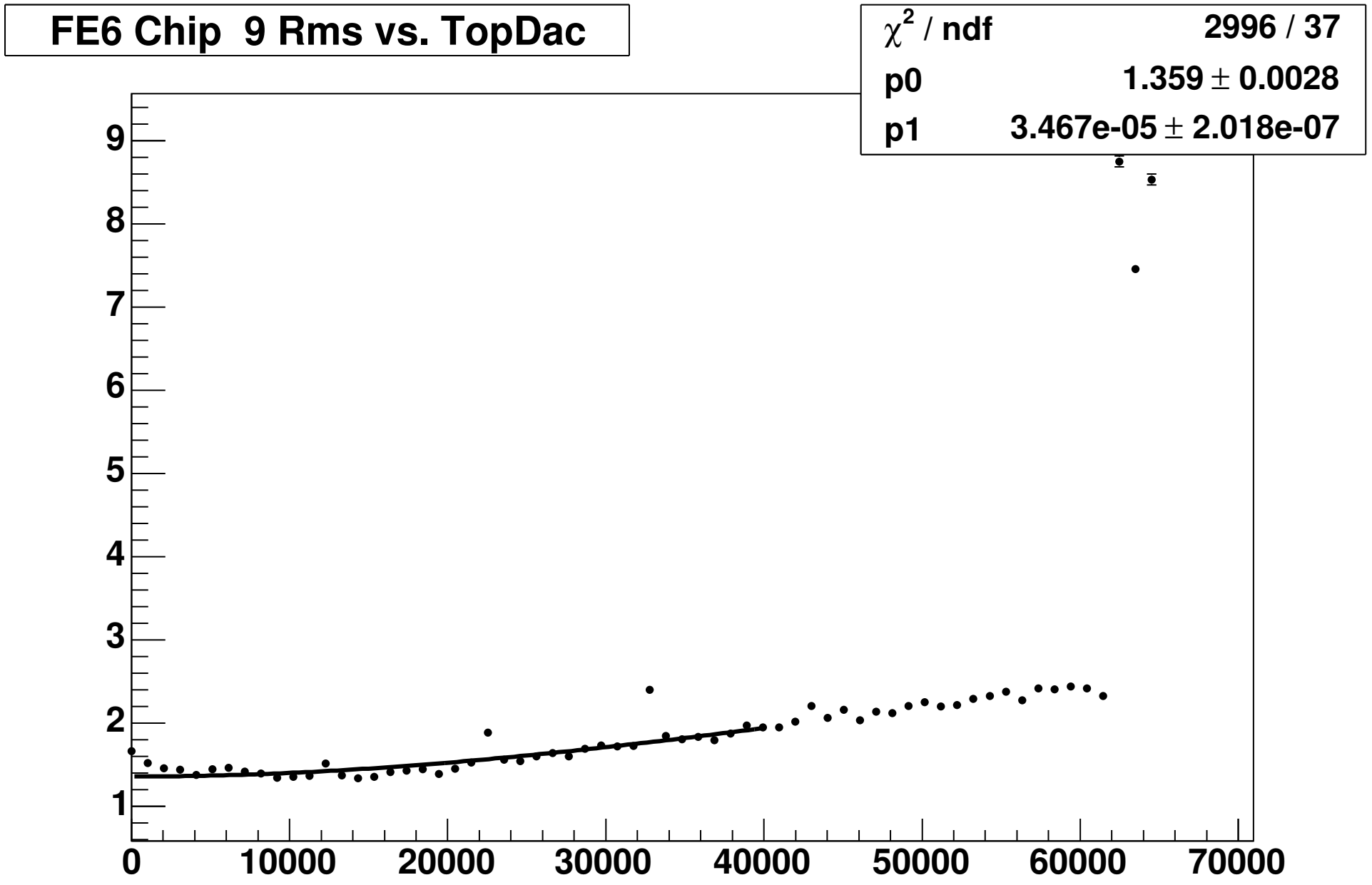
FE6 Chip 9 Rms vs. TopDac
χ² / ndf 2996 / 37
p0 1.359 ± 0.0028
p1 3.467e-05 ± 2.018e-07
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6
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4
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2
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0
10000
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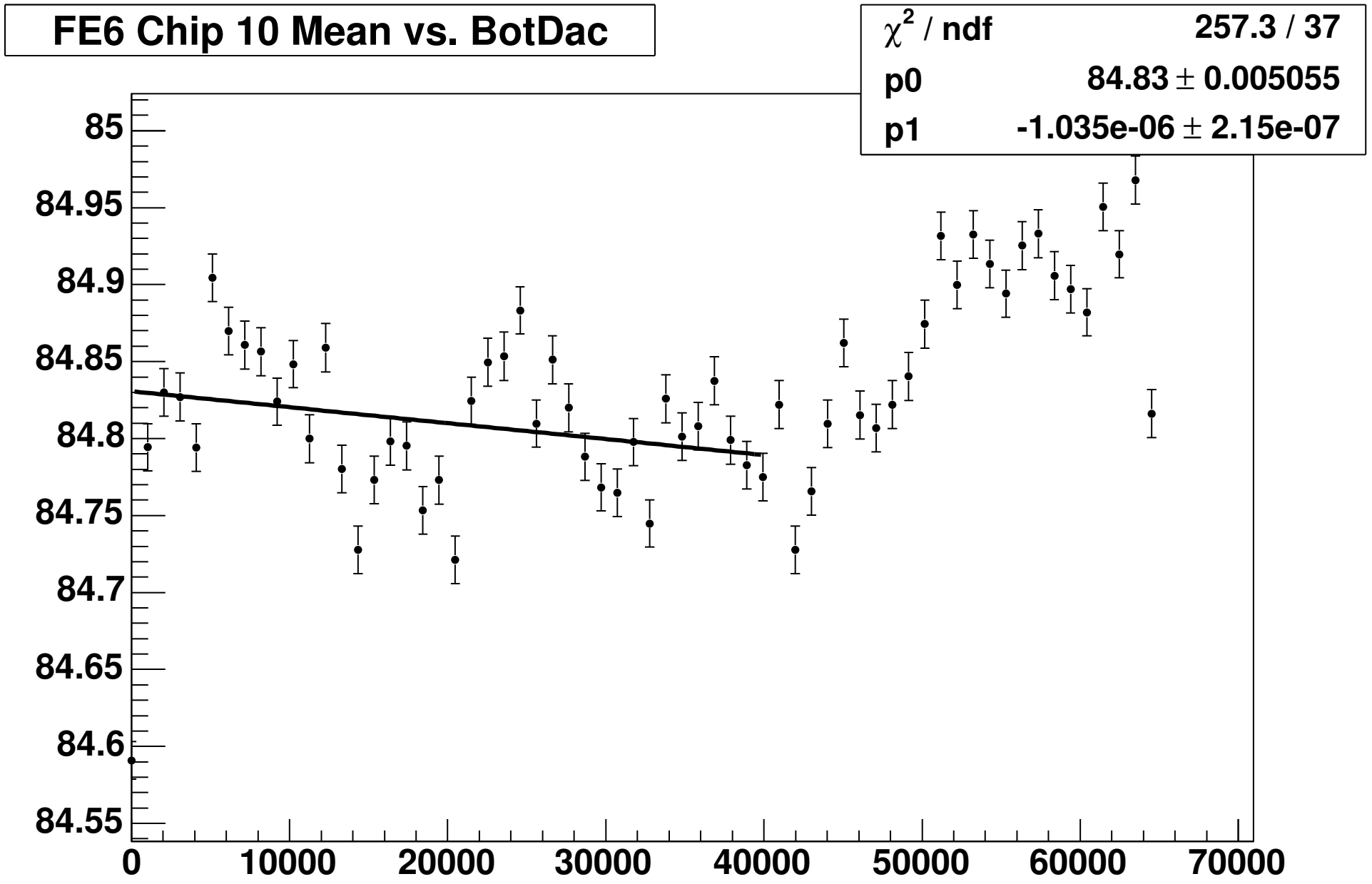
FE6 Chip 10 Mean vs. BotDac
χ² / ndf 257.3 / 37
p0 84.83 ± 0.005055
p1 -1.035e-06 ± 2.15e-07
85
84.95
84.9
84.85
84.8
84.75
84.7
84.65
84.6
84.55
0
10000
20000
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50000
60000
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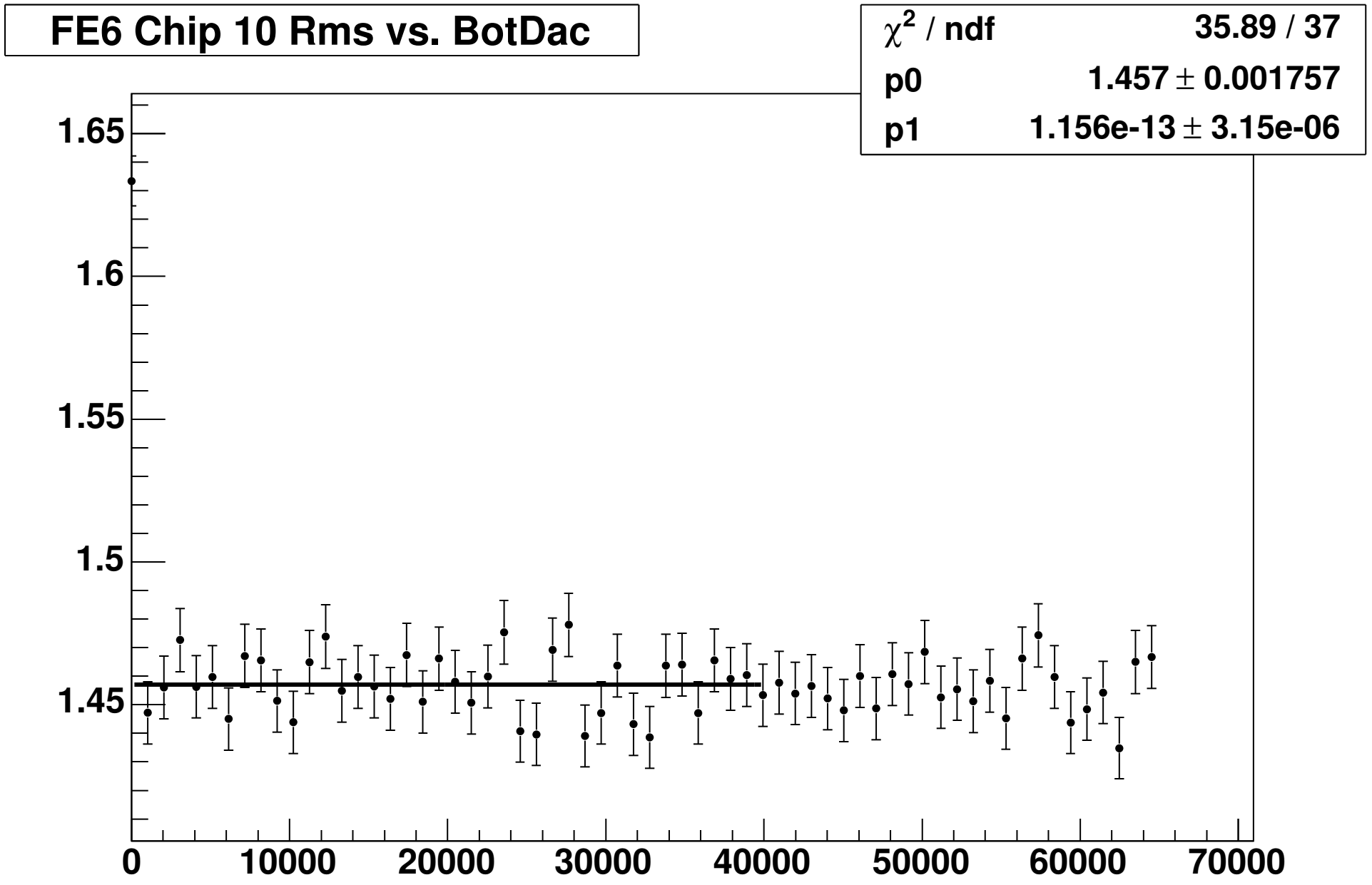
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 35.89 / 37
p0 1.457 ± 0.001757
p1 1.156e-13 ± 3.15e-06
1.65
1.6
1.55
1.5
1.45
0
10000
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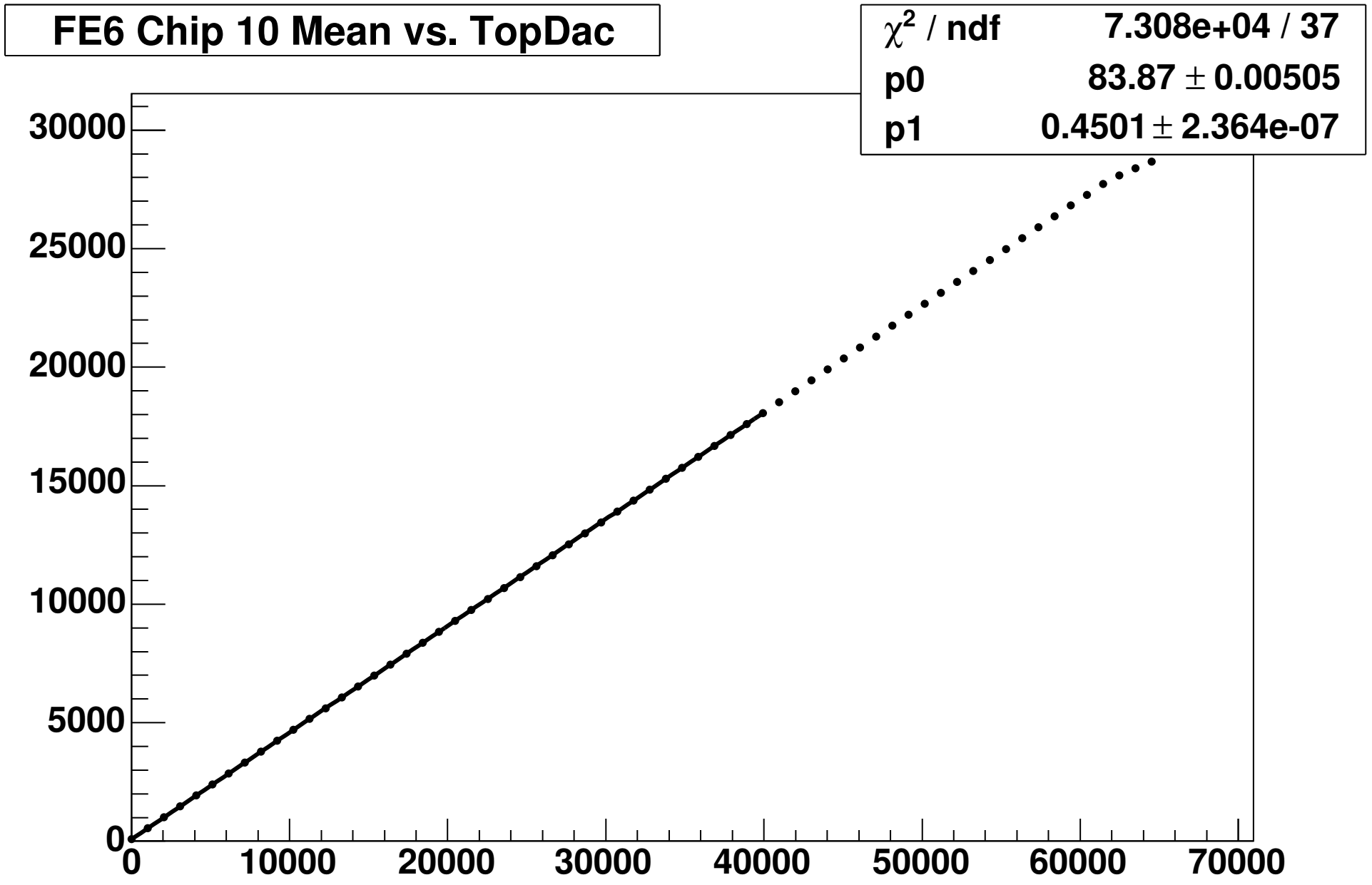
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 7.308e+04 / 37
p0 83.87 ± 0.00505
p1 0.4501 ± 2.364e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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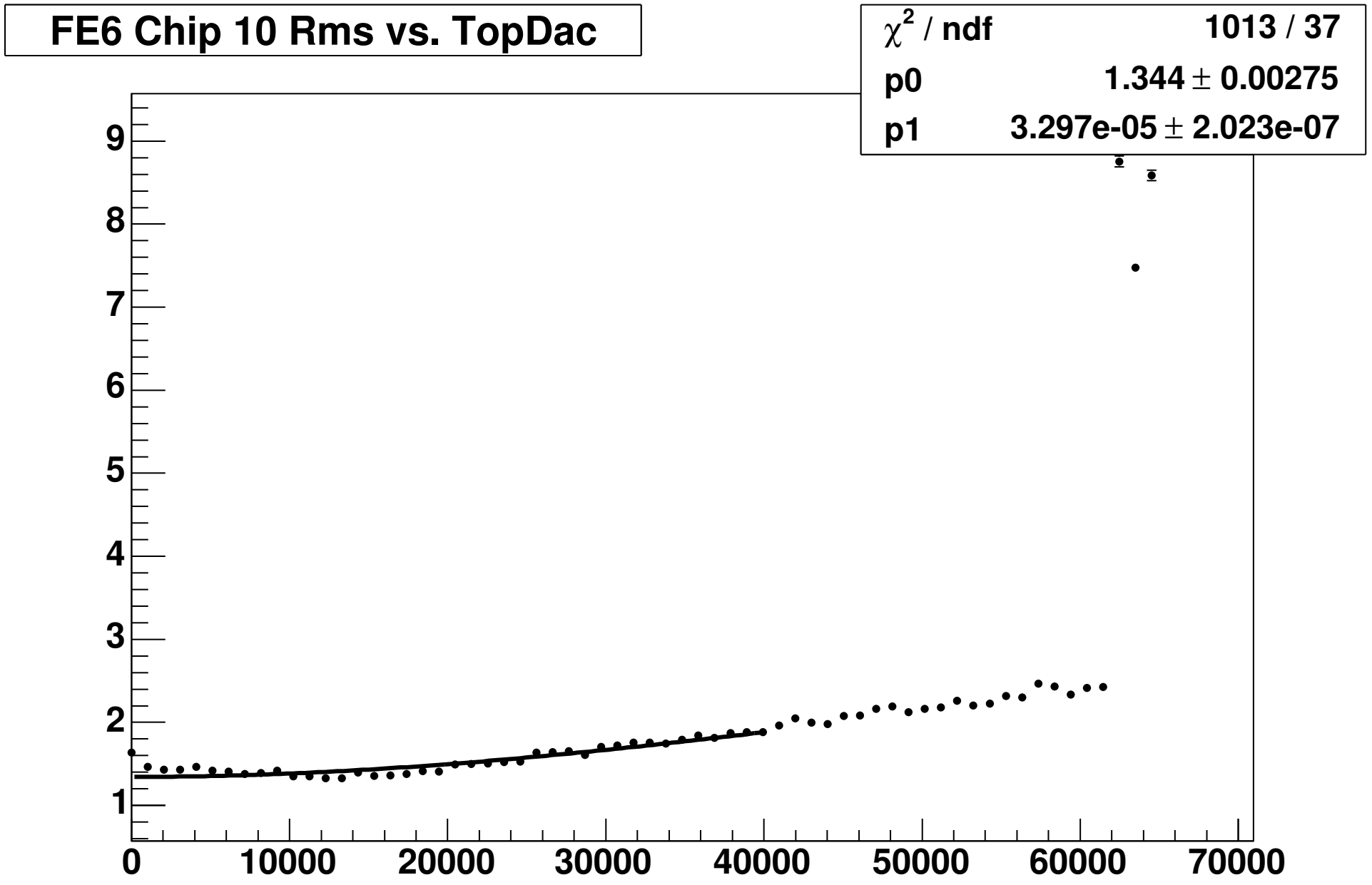
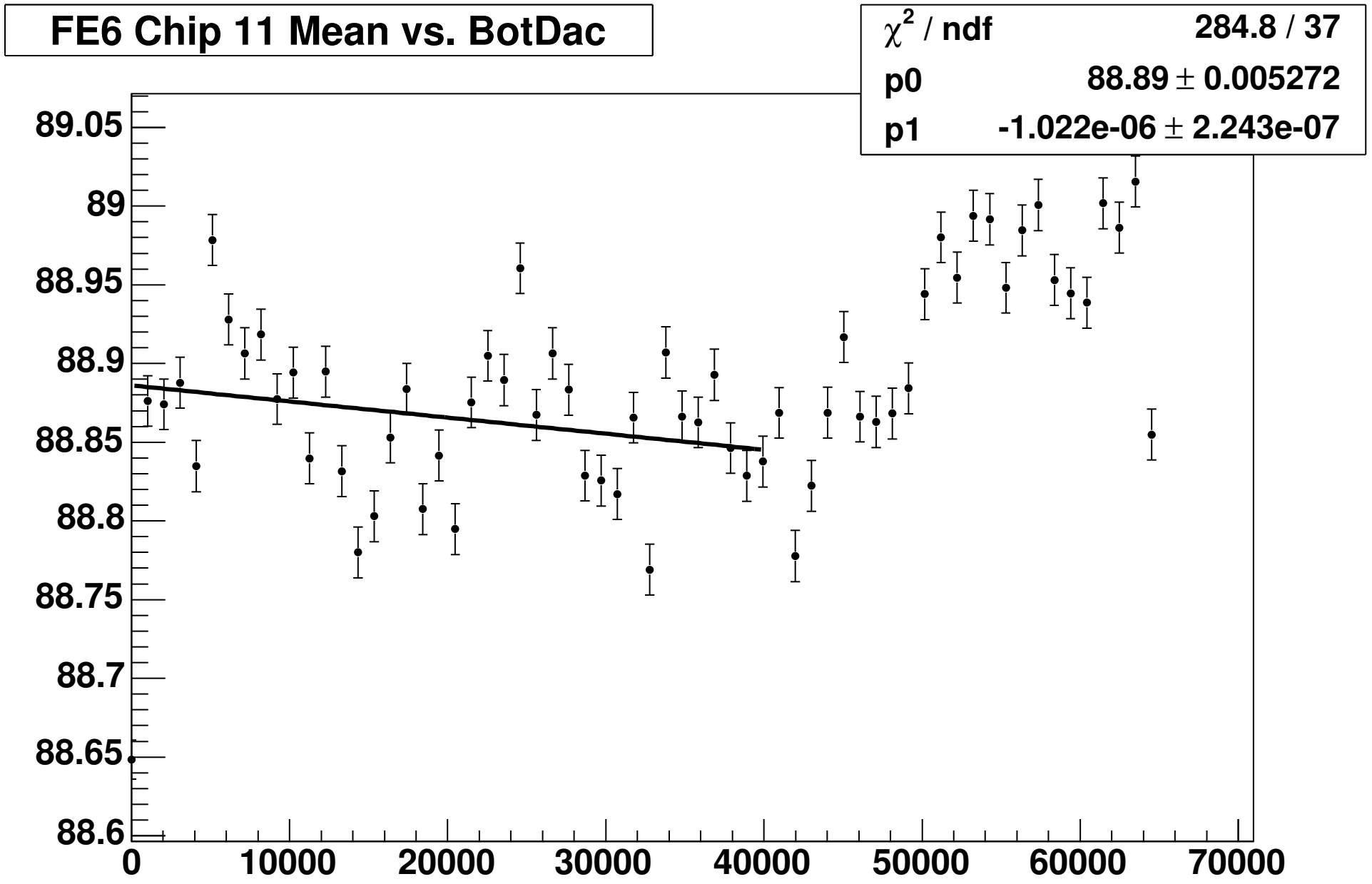
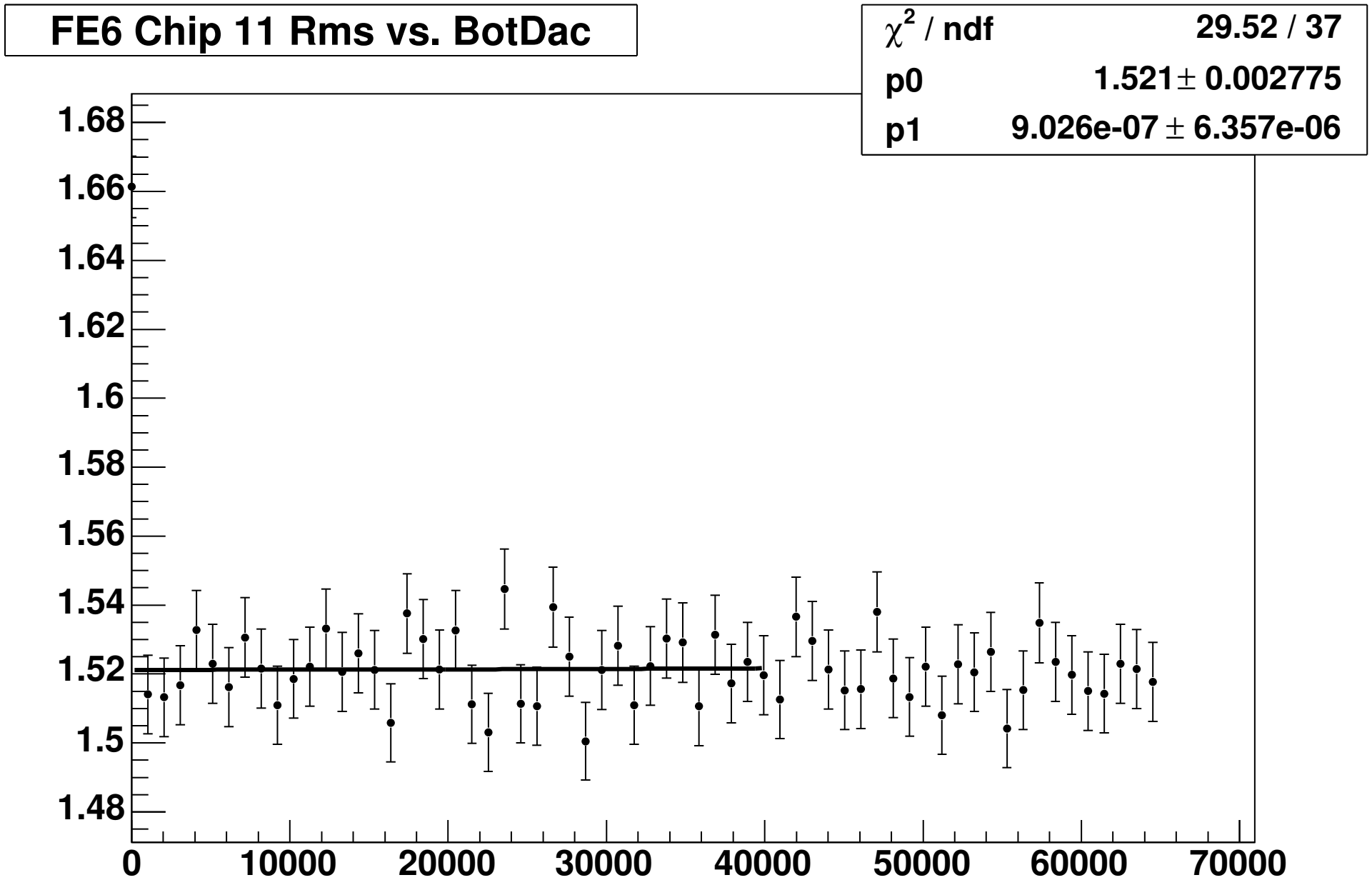
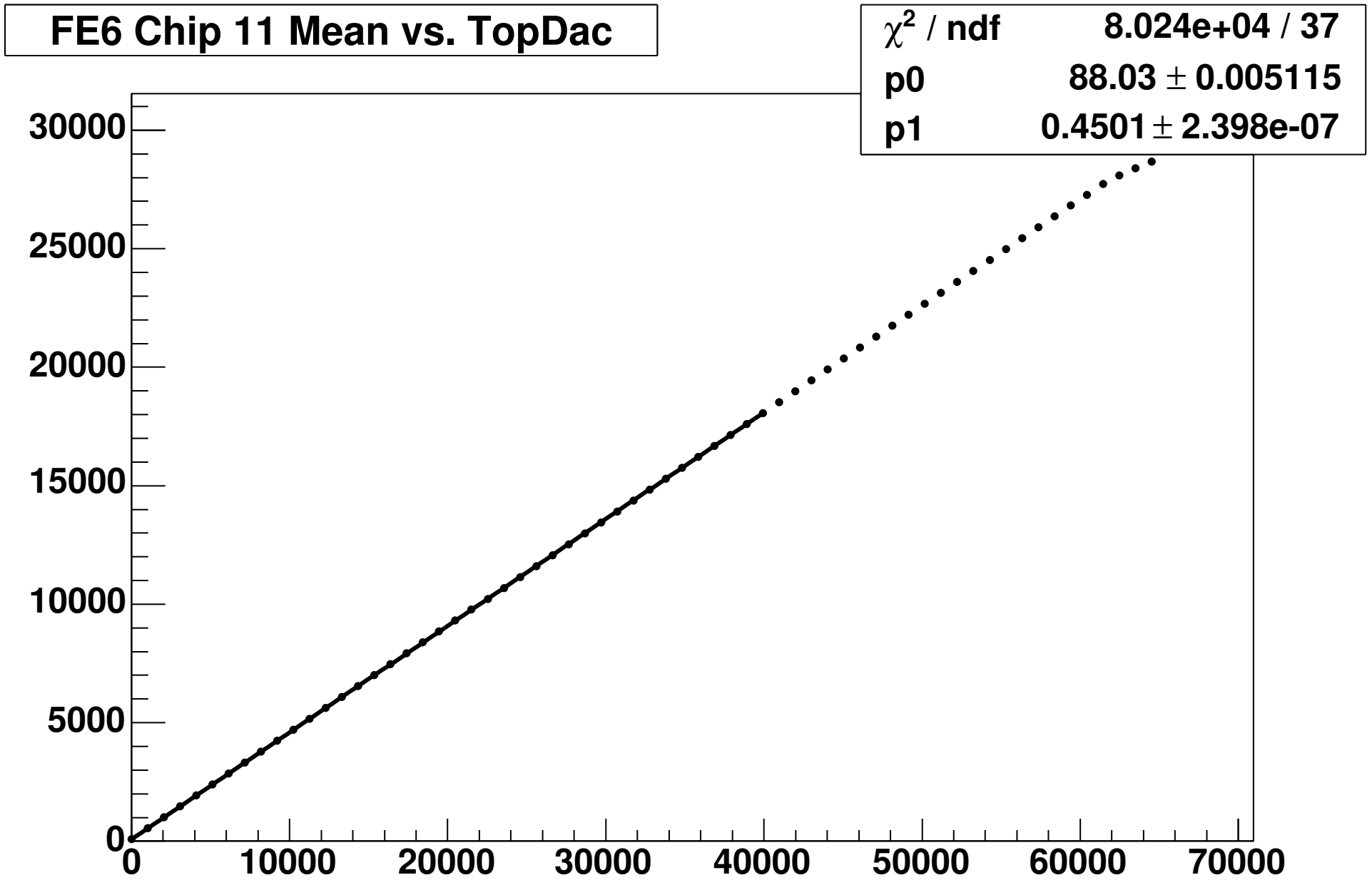

FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1013 / 37
p0 1.344 ± 0.00275
p1 3.297e-05 ± 2.023e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 284.8 / 37
p0 88.89 ± 0.005272
p1 -1.022e-06 ± 2.243e-07
89.05
89
88.95
88.9
88.85
88.8
88.75
88.7
88.65
88.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 29.52 / 37
p0 1.521 ± 0.002775
p1 9.026e-07 ± 6.357e-06
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 8.024e+04 / 37
p0 88.03 ± 0.005115
p1 0.4501 ± 2.398e-07
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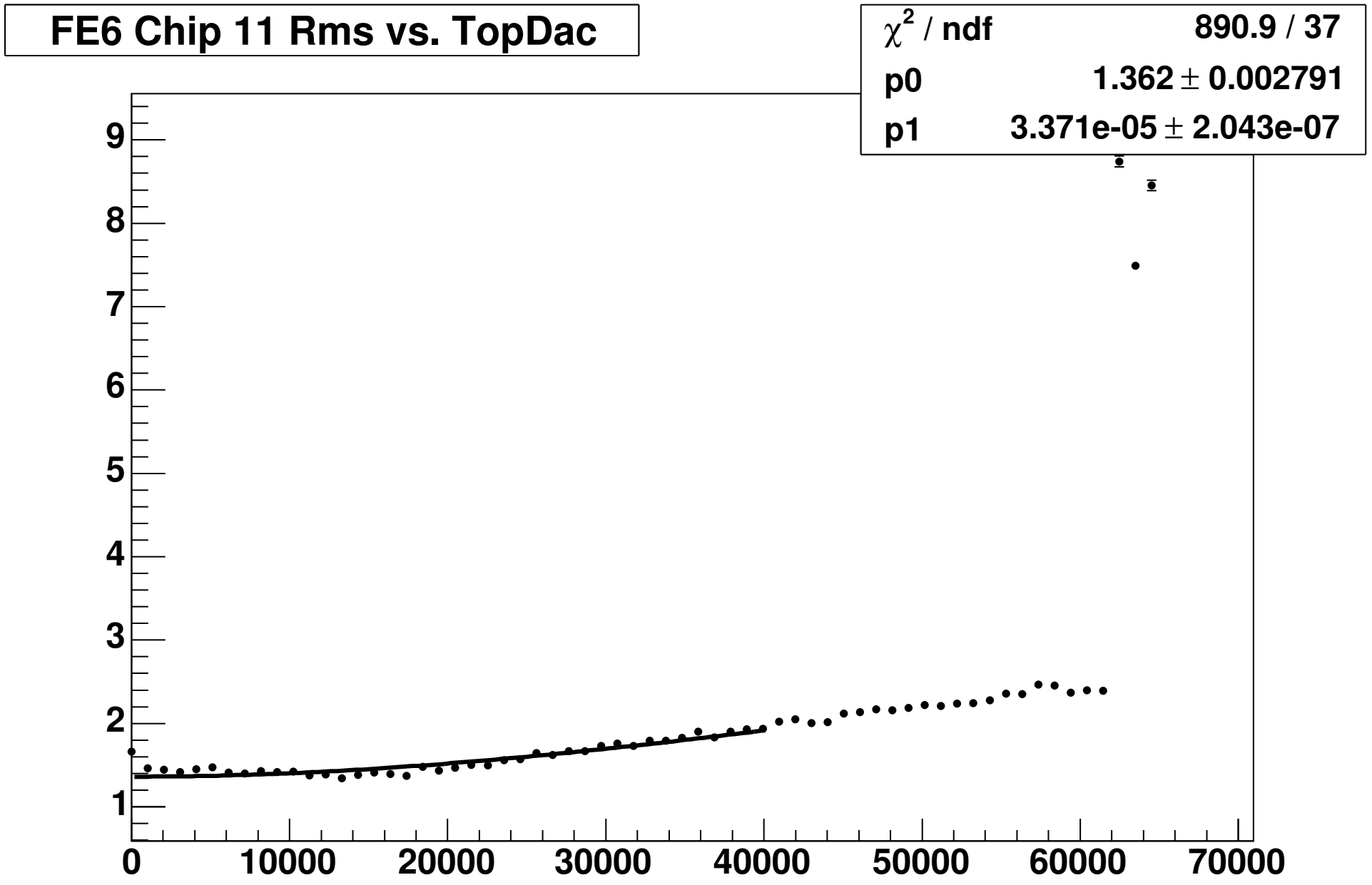
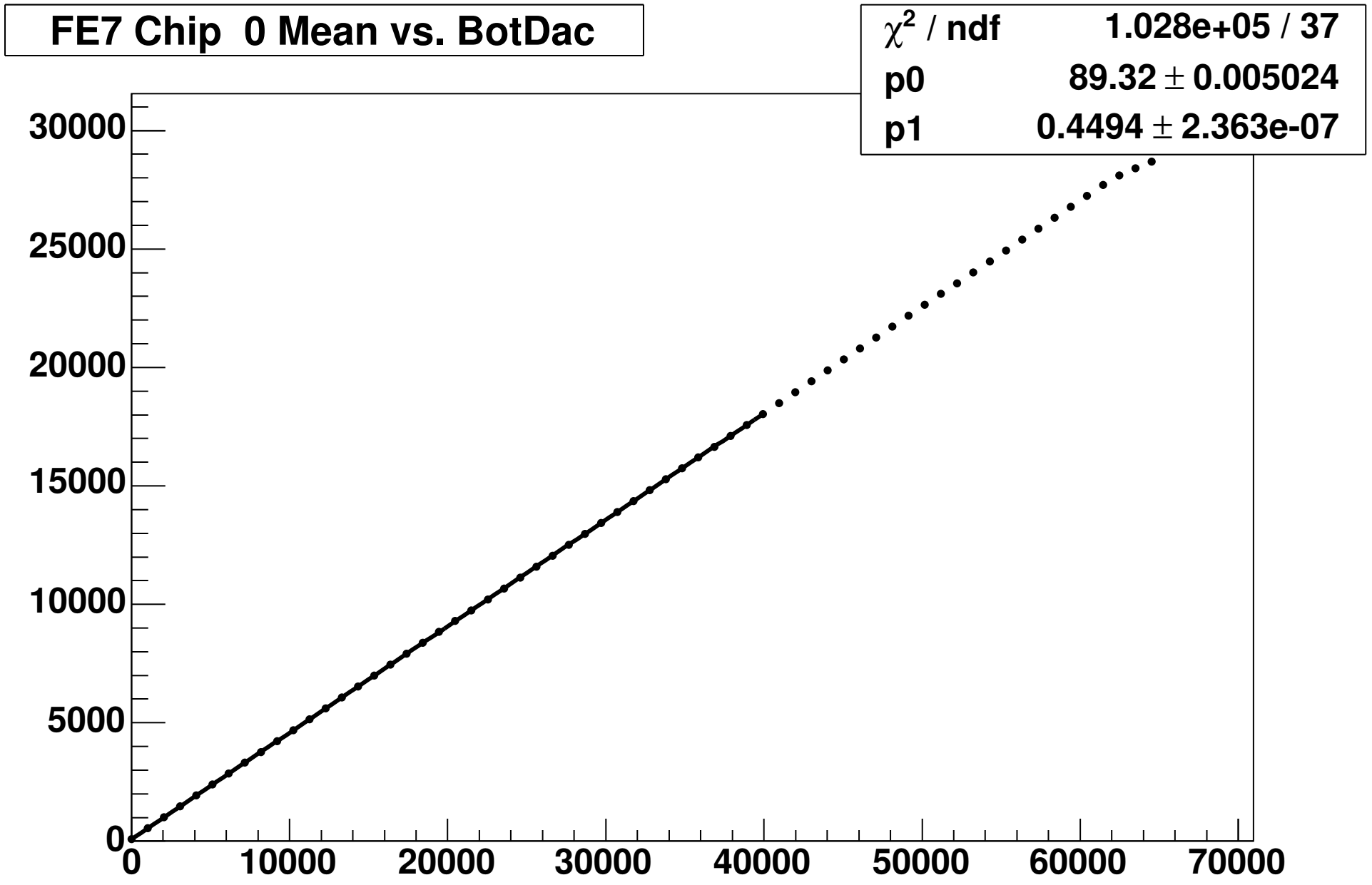
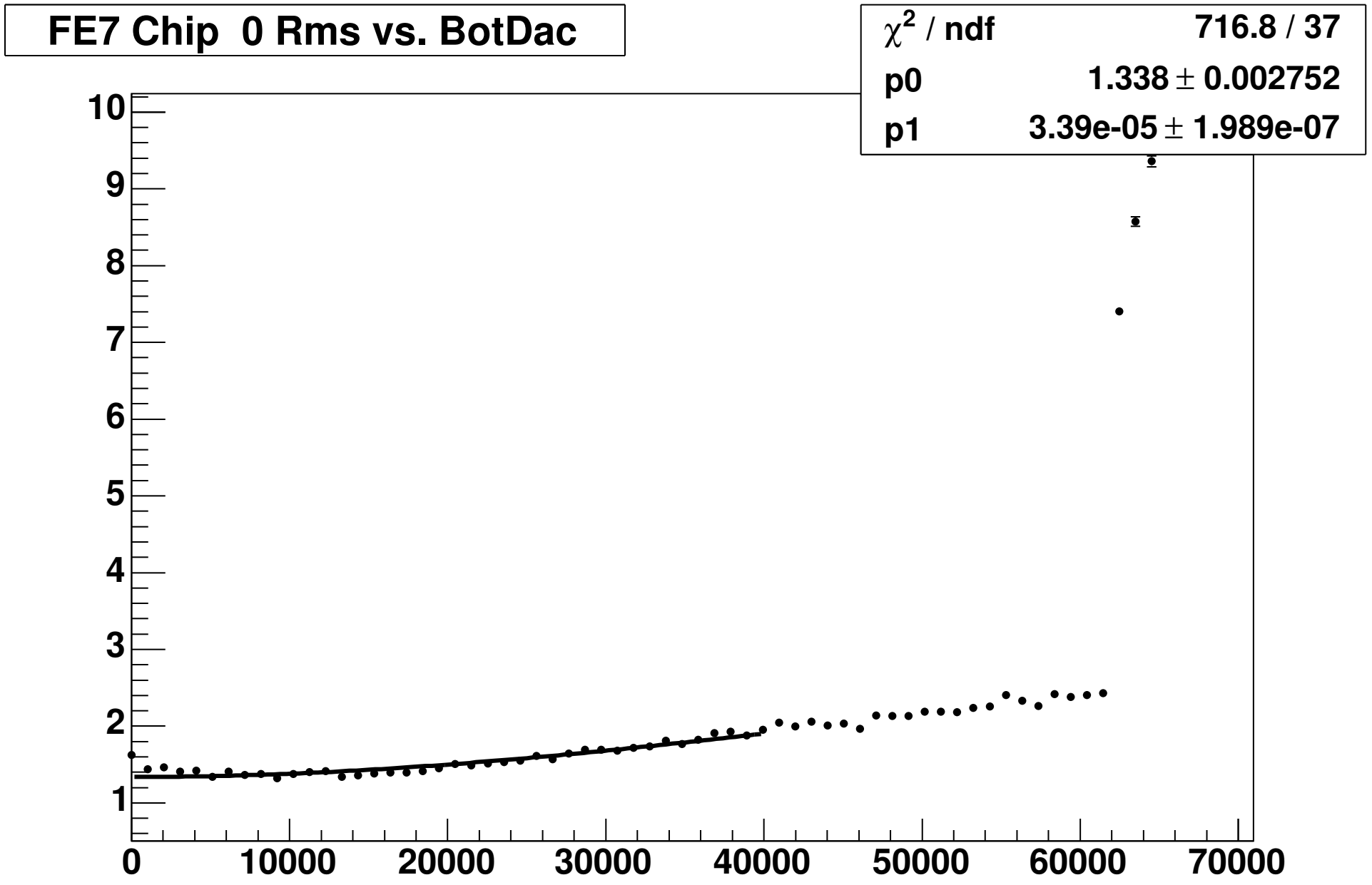
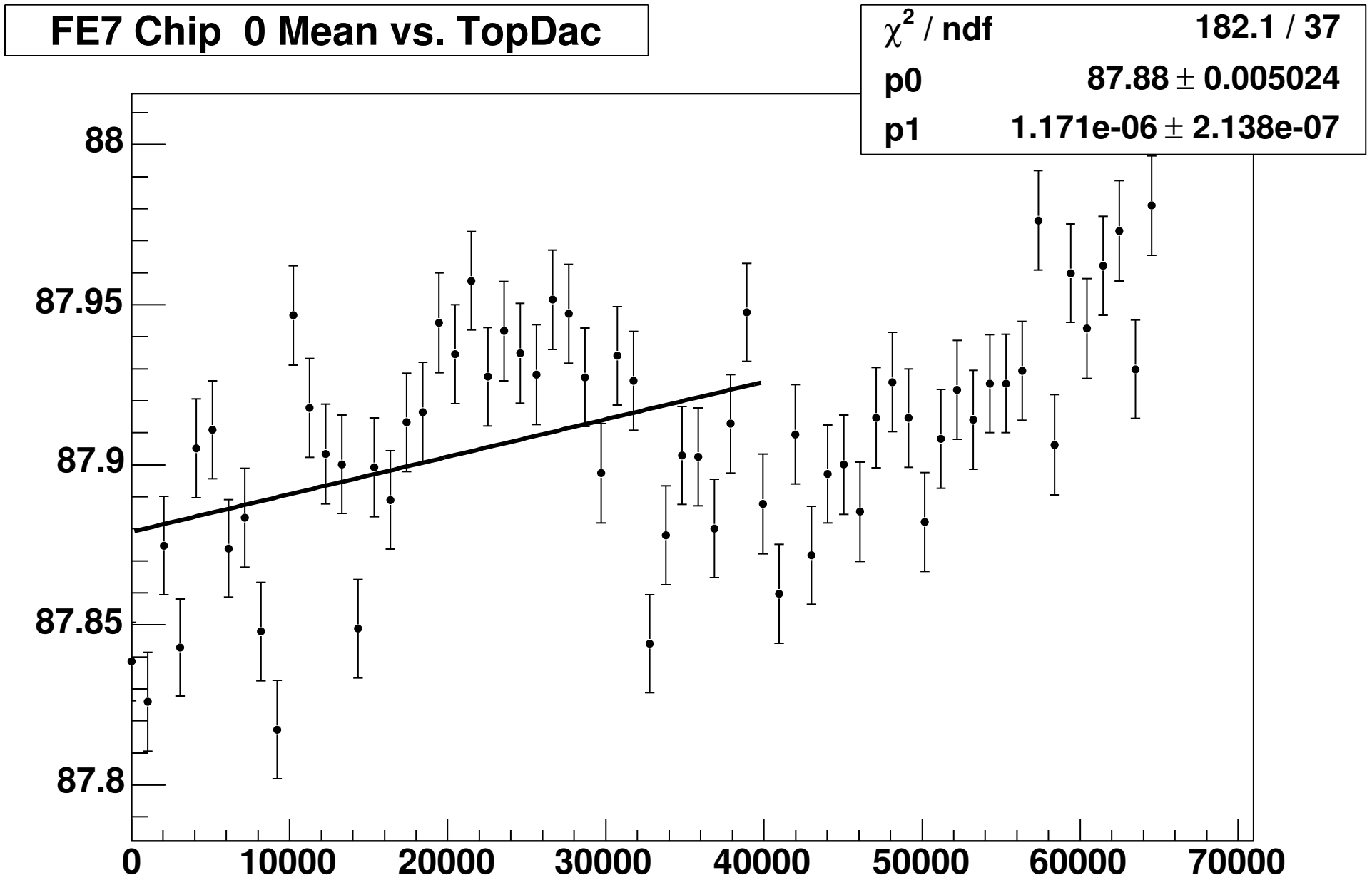
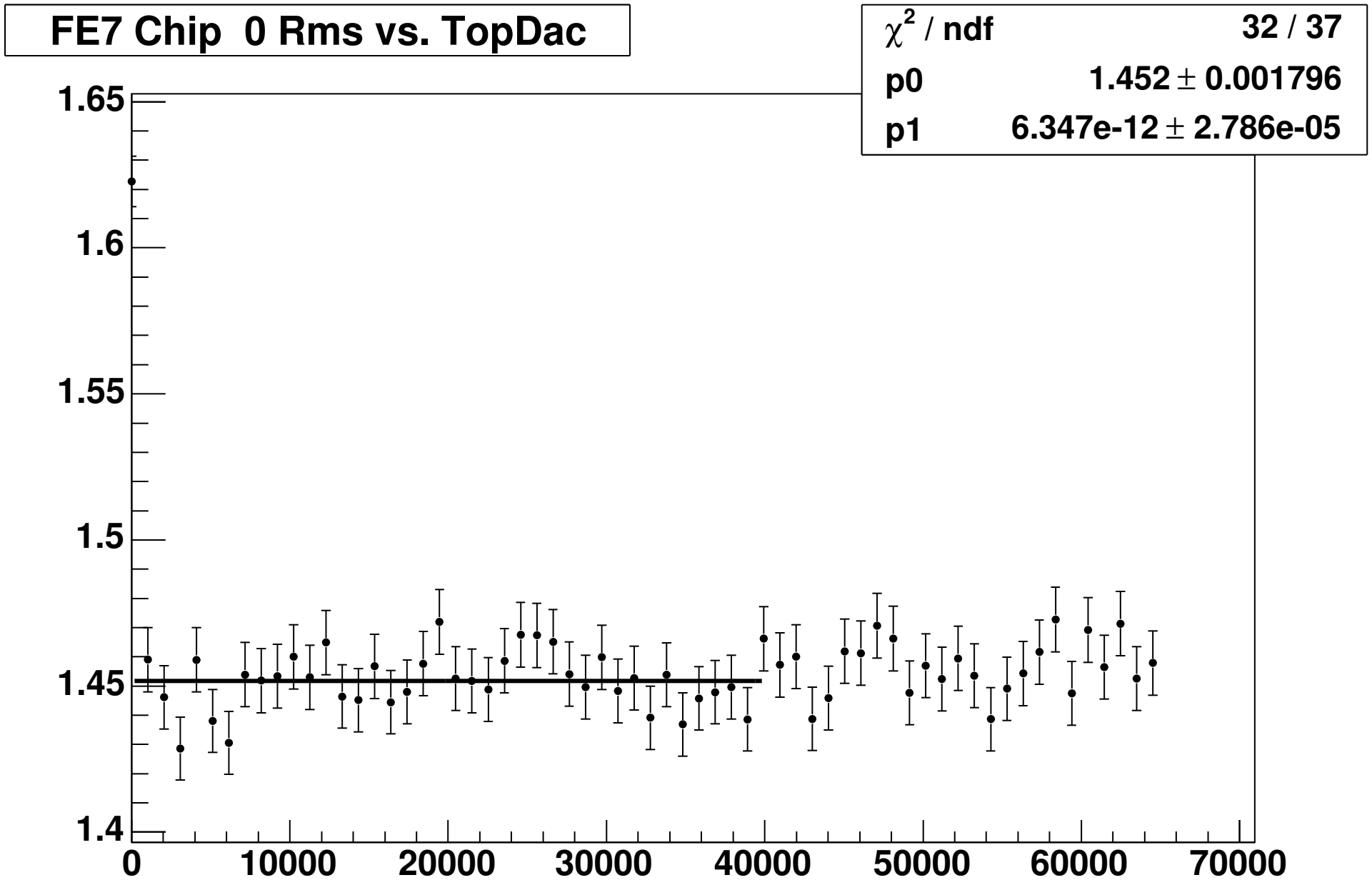
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 890.9 / 37
p0 1.362 ± 0.002791
p1 3.371e-05 ± 2.043e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.028e+05 / 37
p0 89.32 ± 0.005024
p1 0.4494 ± 2.363e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 716.8 / 37
p0 1.338 ± 0.002752
p1 3.39e-05 ± 1.989e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 182.1 / 37
p0 87.88 ± 0.005024
p1 1.171e-06 ± 2.138e-07
88
87.95
87.9
87.85
87.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 32 / 37
p0 1.452 ± 0.001796
p1 6.347e-12 ± 2.786e-05
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
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60000
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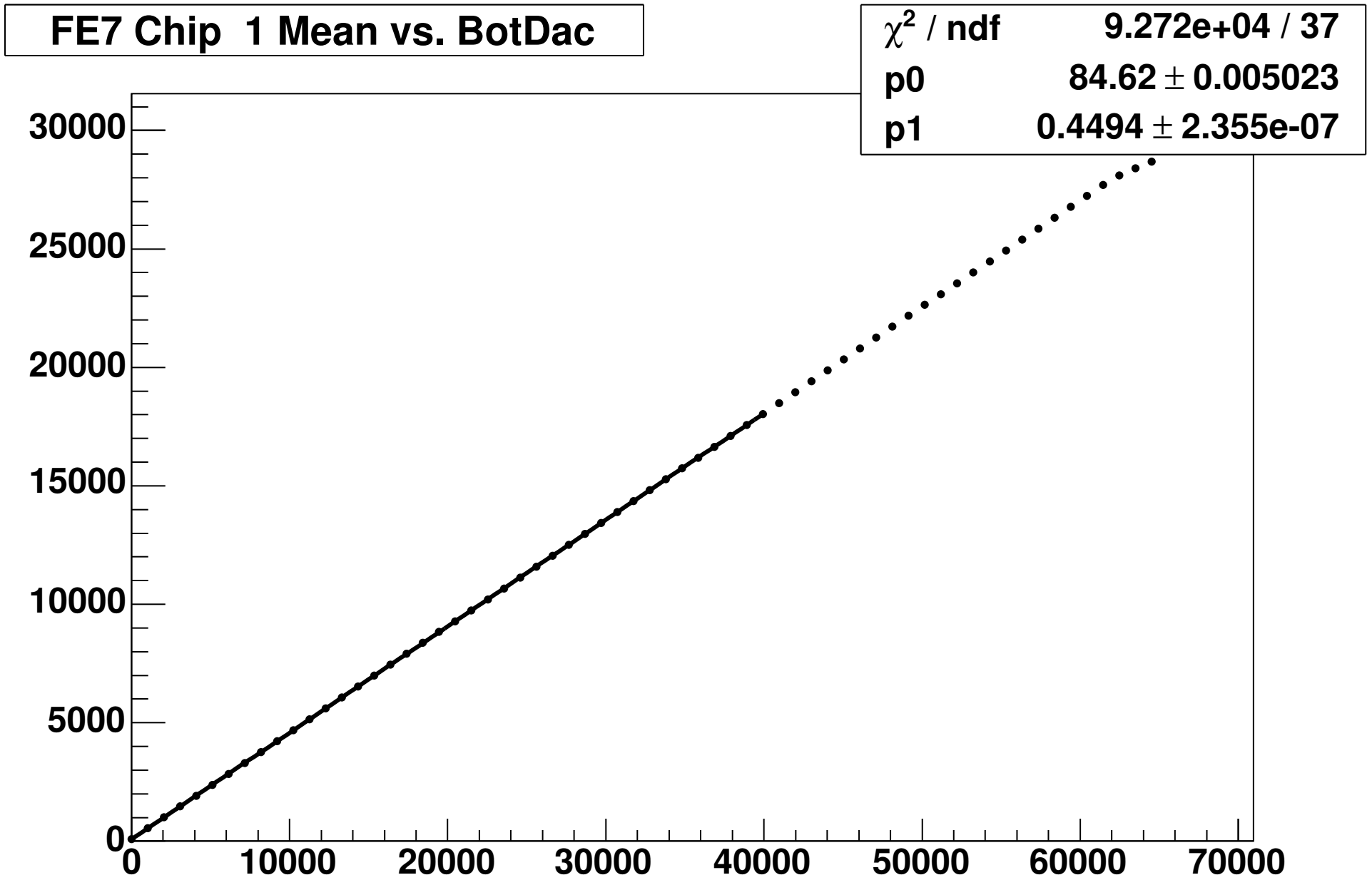
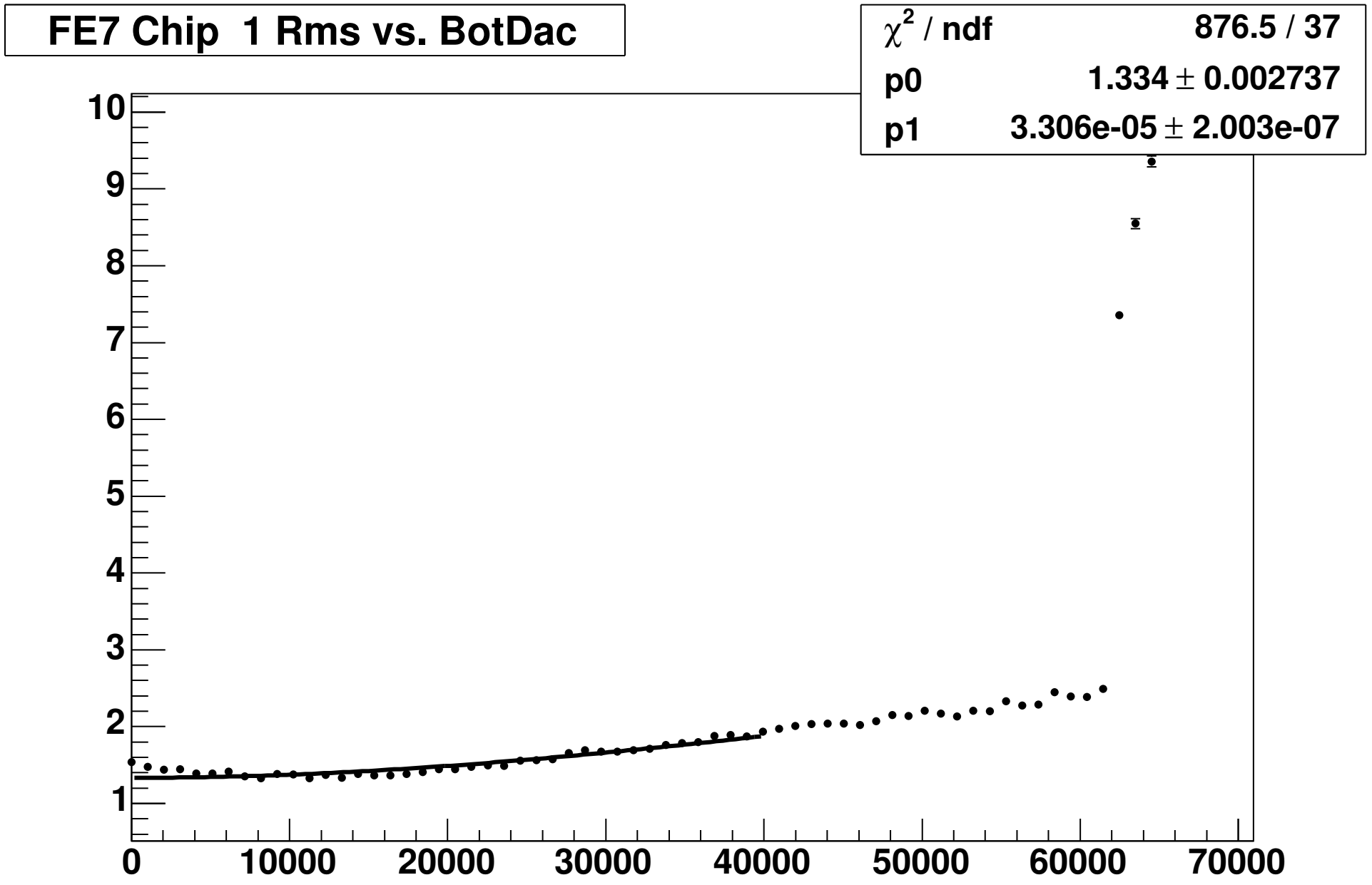
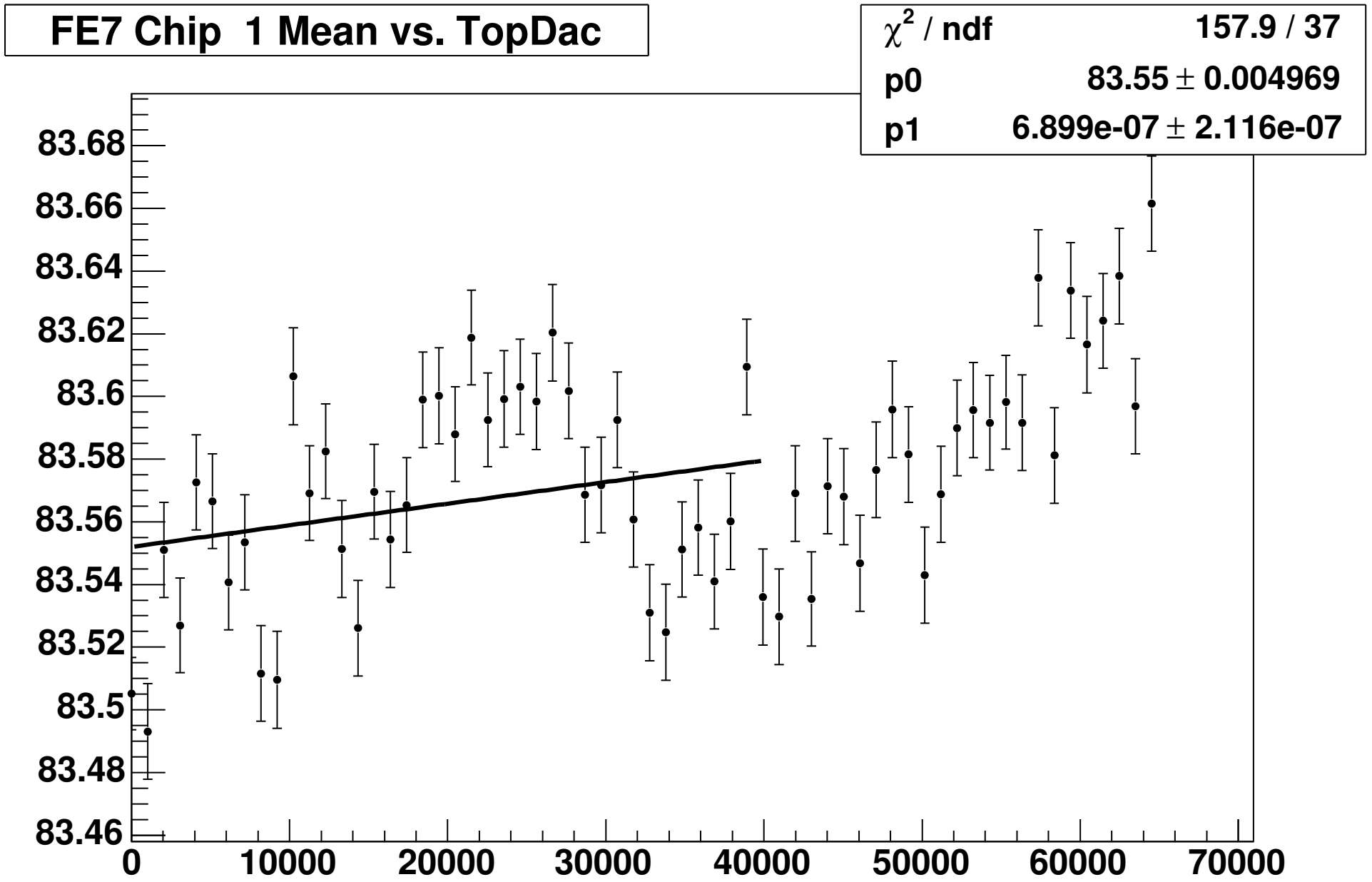
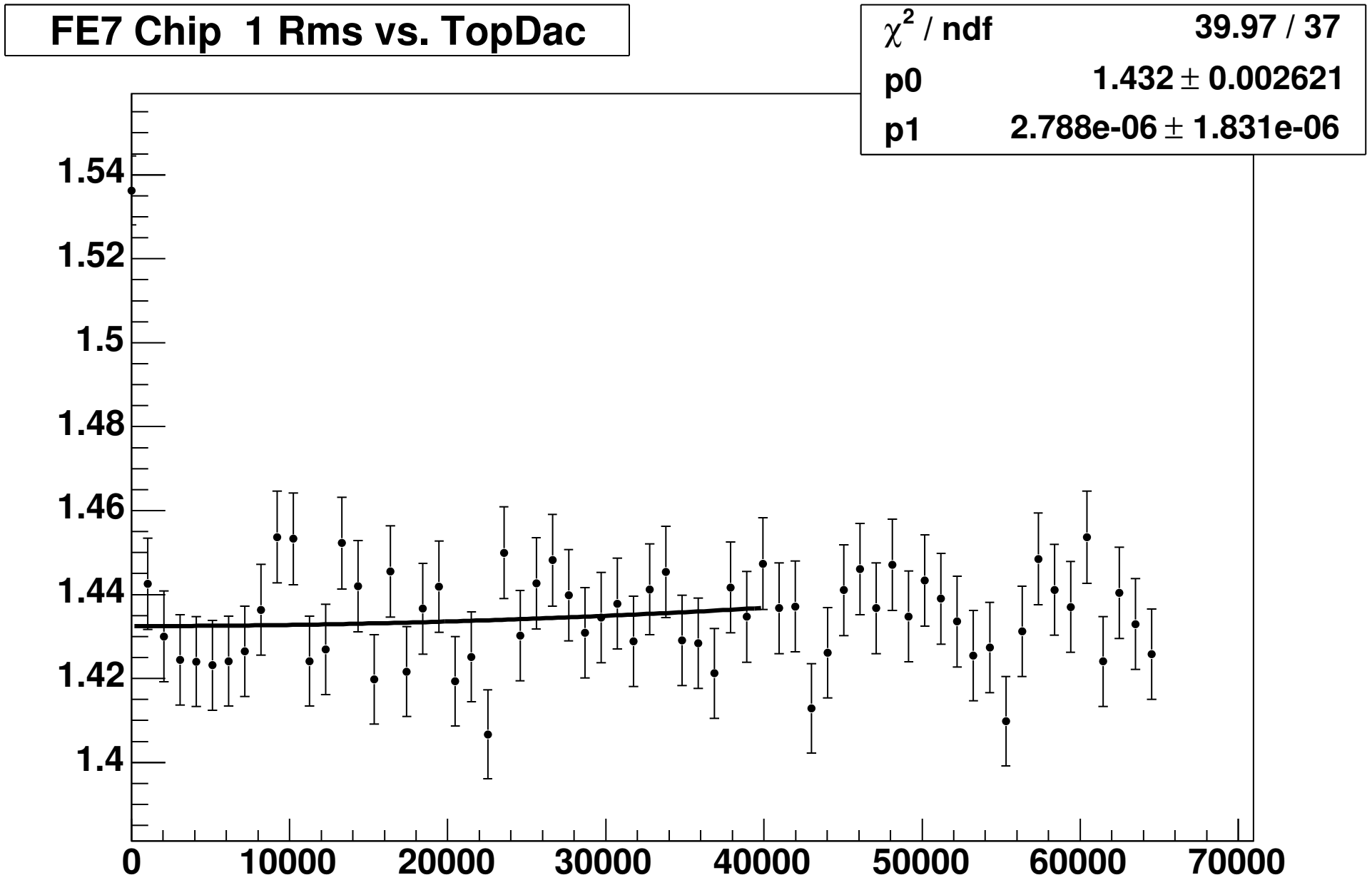
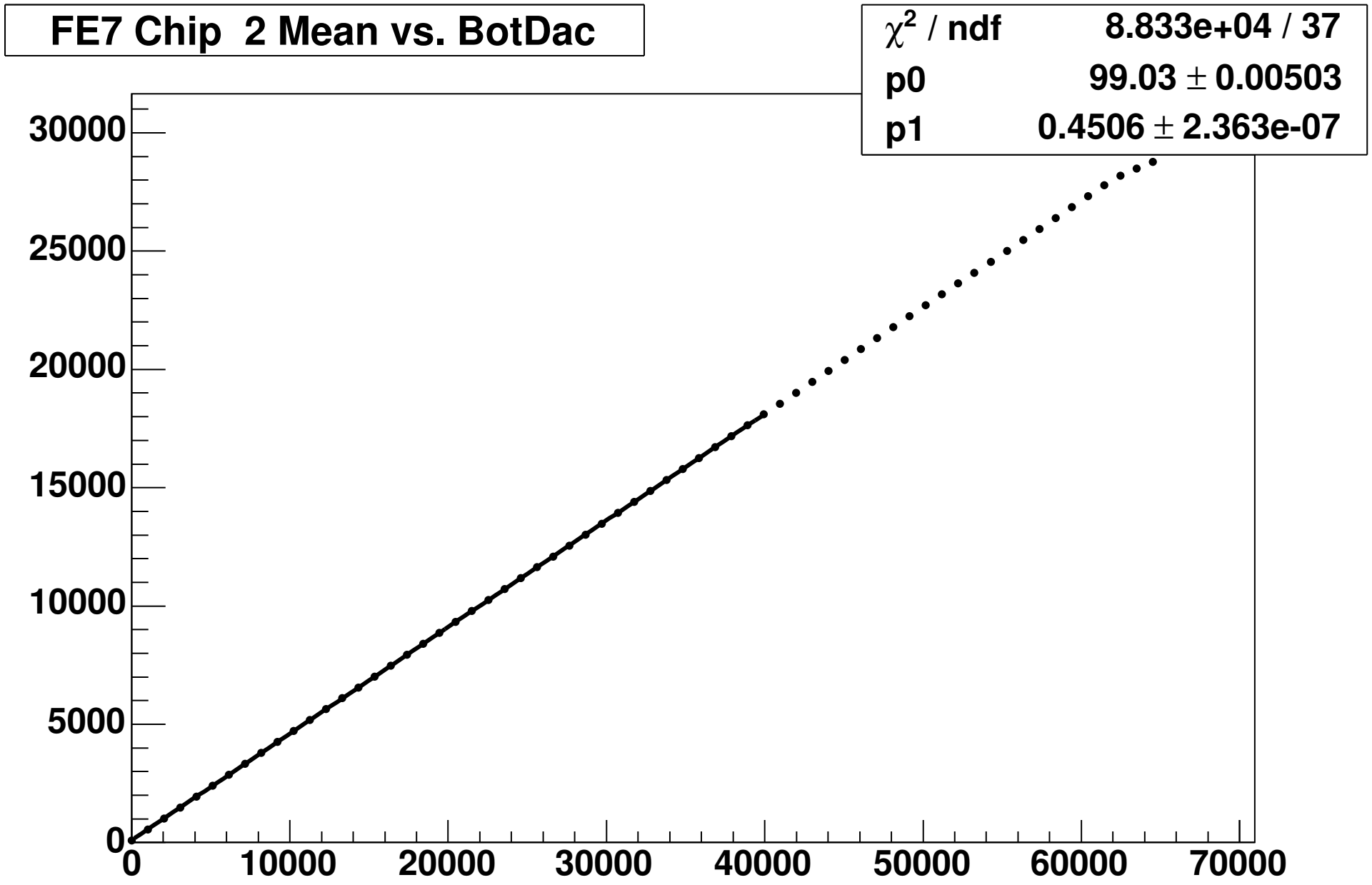
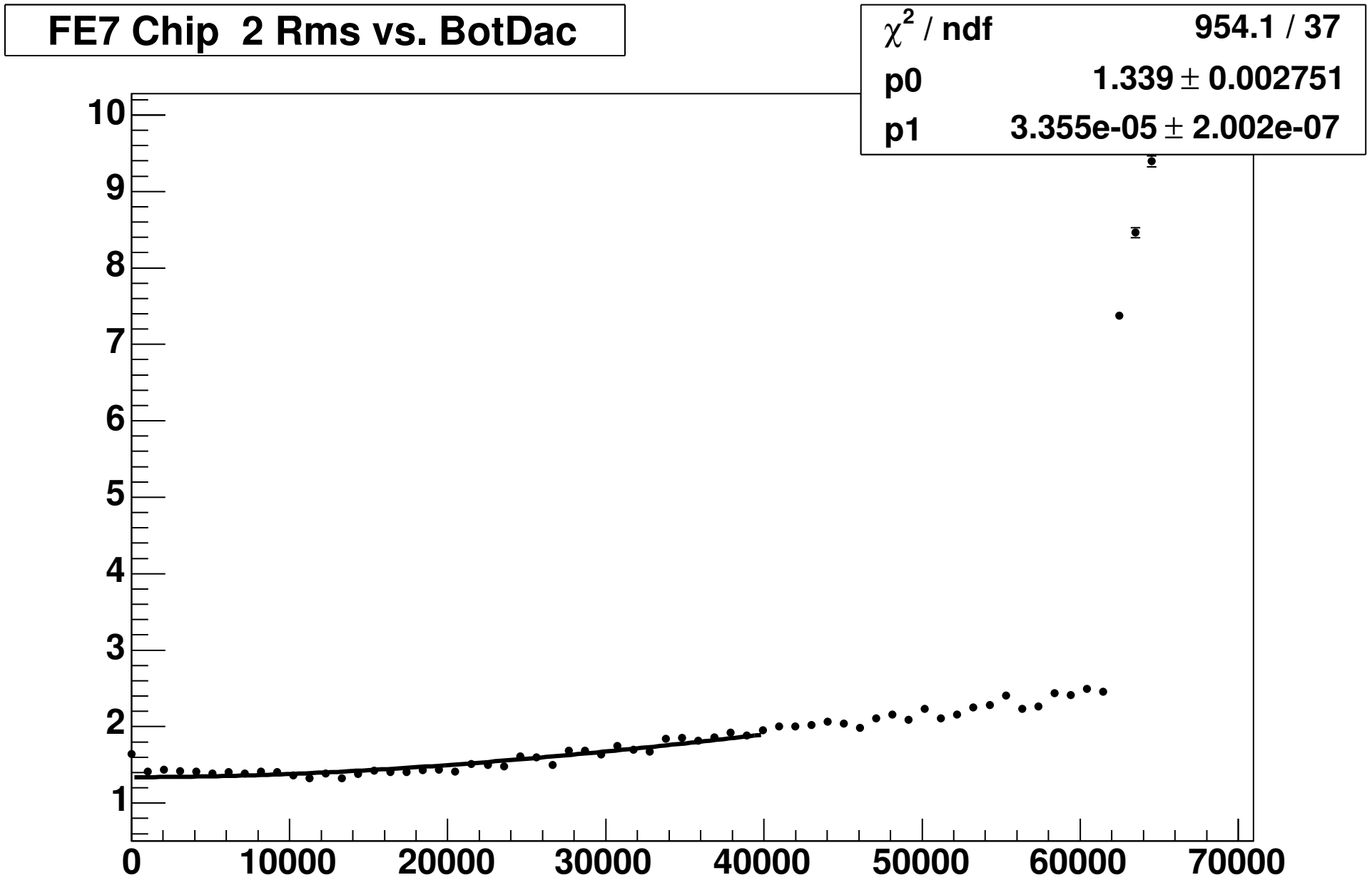

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 9.272e+04 / 37
p0 84.62 ± 0.005023
p1 0.4494 ± 2.355e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

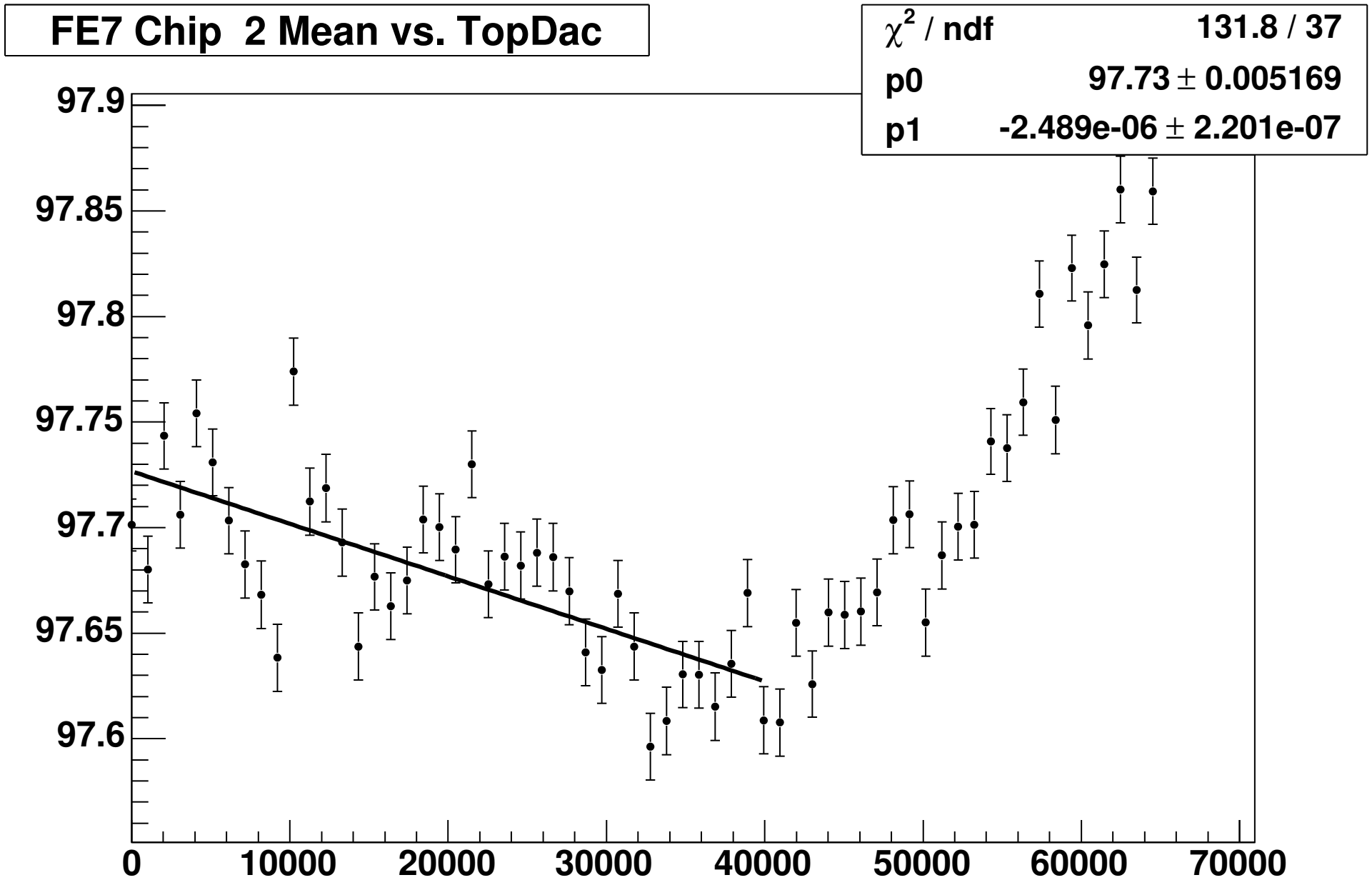

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 876.5 / 37
p0 1.334 ± 0.002737
p1 3.306e-05 ± 2.003e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

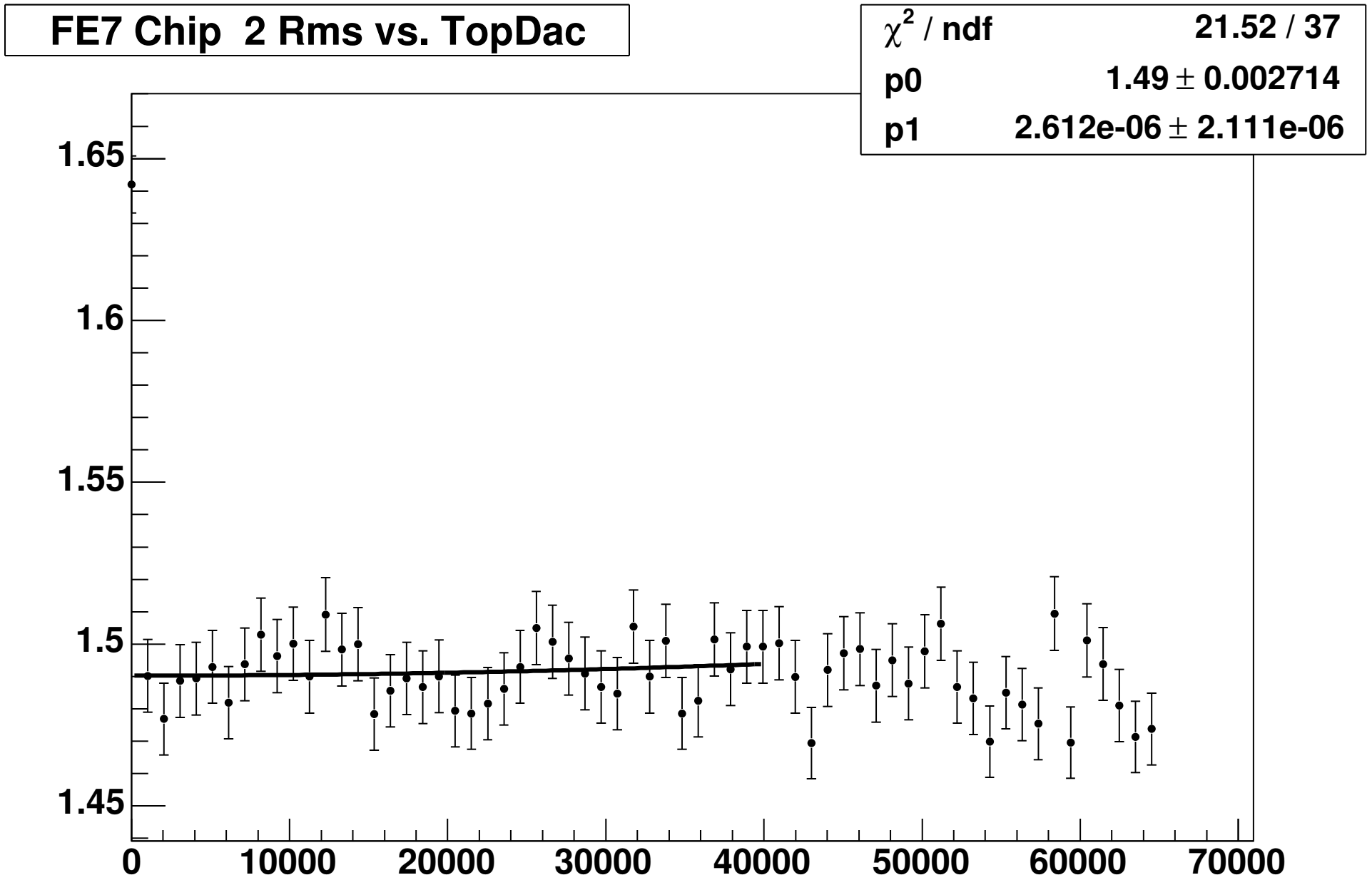

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 157.9 / 37
p0 83.55 ± 0.004969
p1 6.899e-07 ± 2.116e-07
83.68
83.66
83.64
83.62
83.6
83.58
83.56
83.54
83.52
83.5
83.48
83.46
0
10000
20000
30000
40000
50000
60000
70000

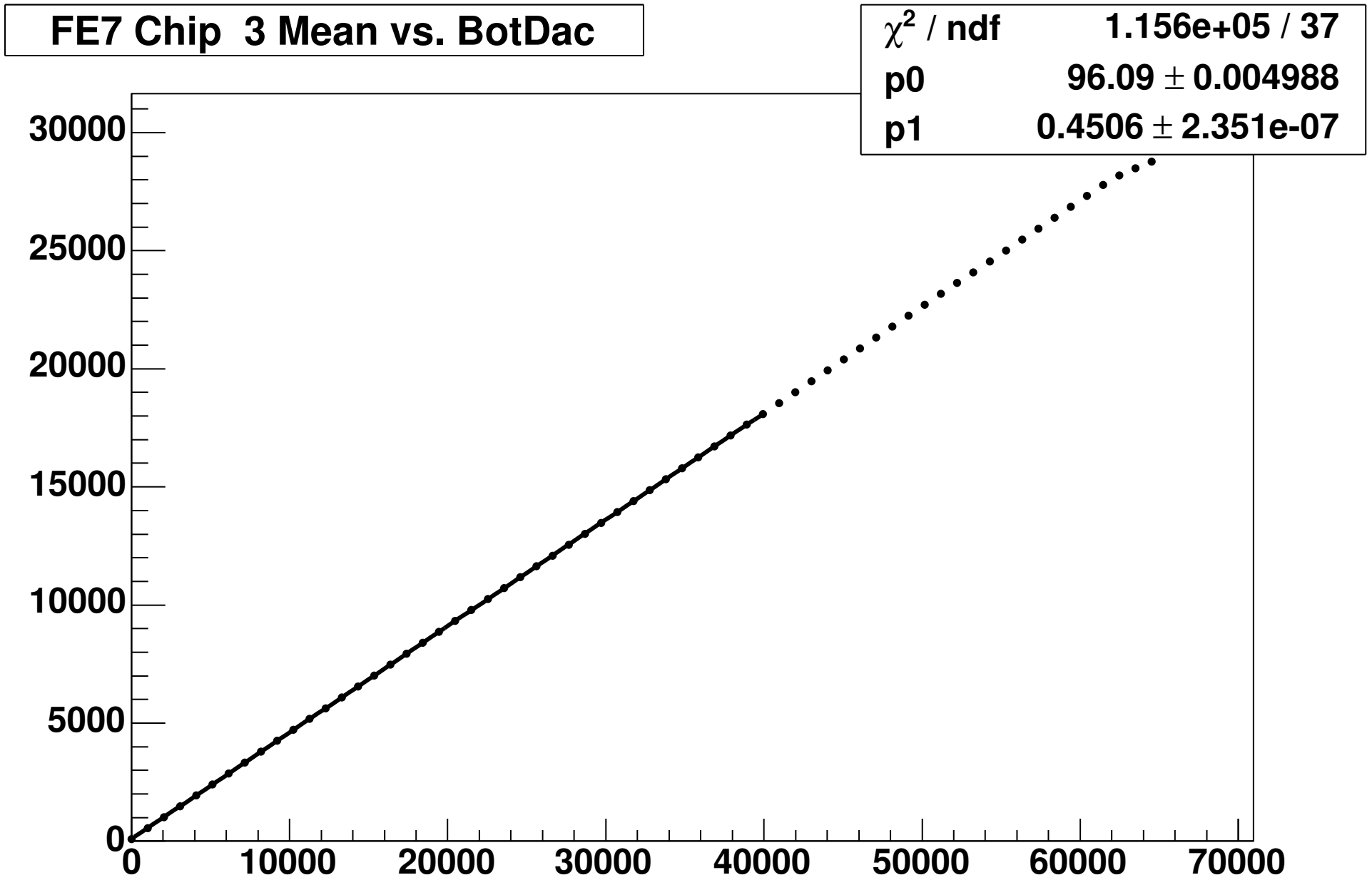

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 39.97 / 37
p0 1.432 ± 0.002621
p1 2.788e-06 ± 1.831e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

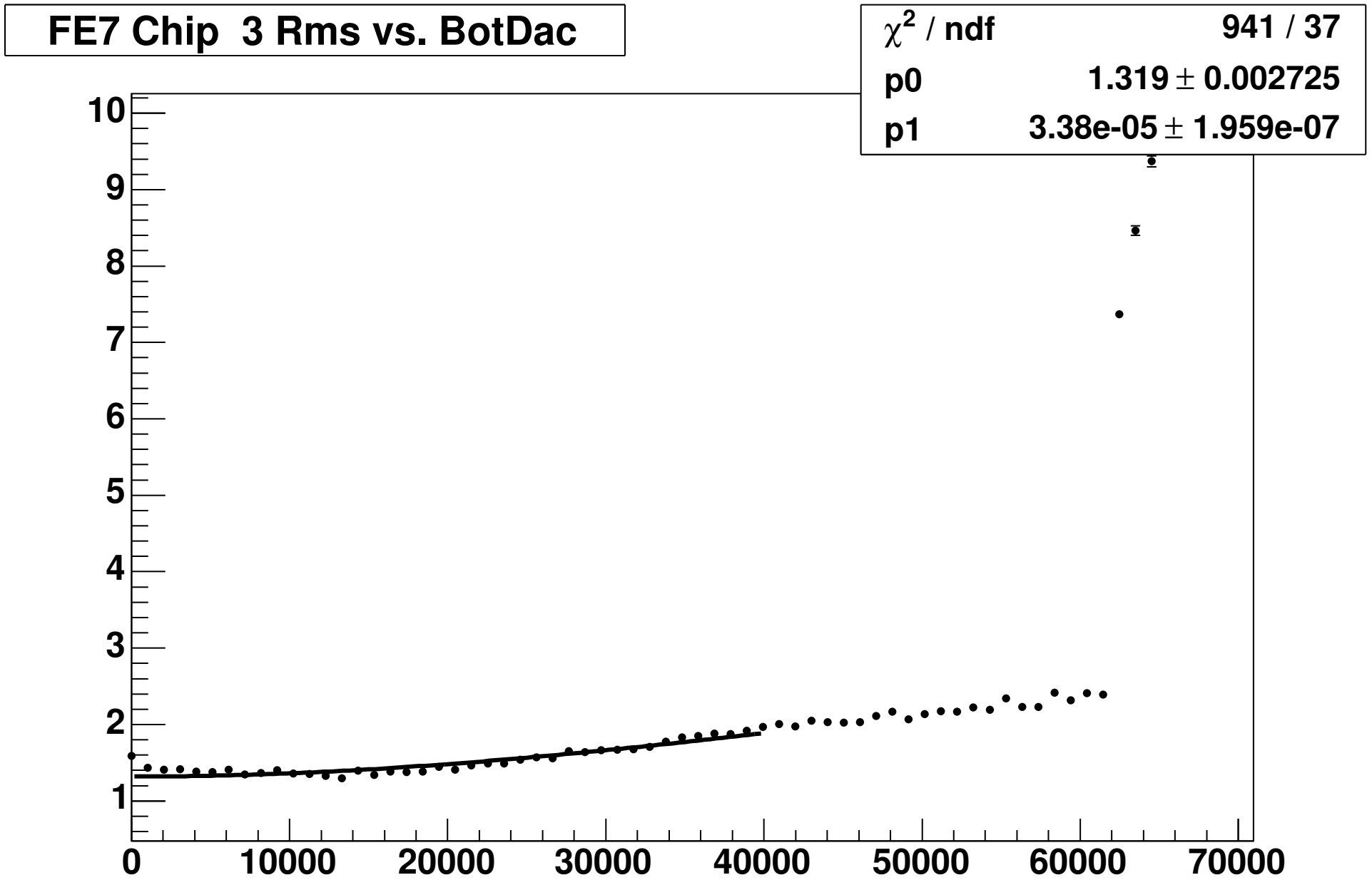

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 8.833e+04 / 37
p0 99.03 ± 0.00503
p1 0.4506 ± 2.363e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

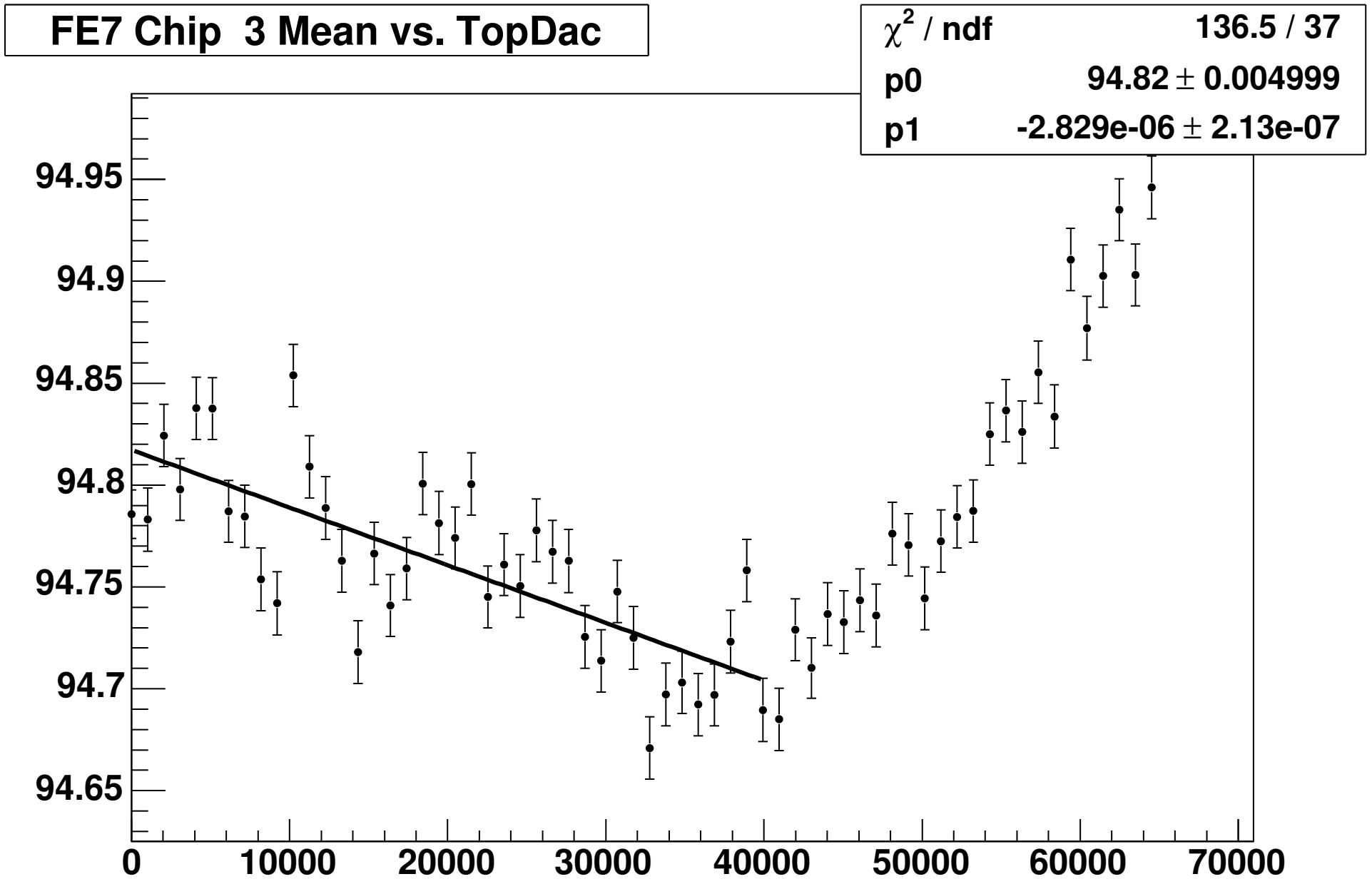

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 954.1 / 37
p0 1.339 ± 0.002751
p1 3.355e-05 ± 2.002e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

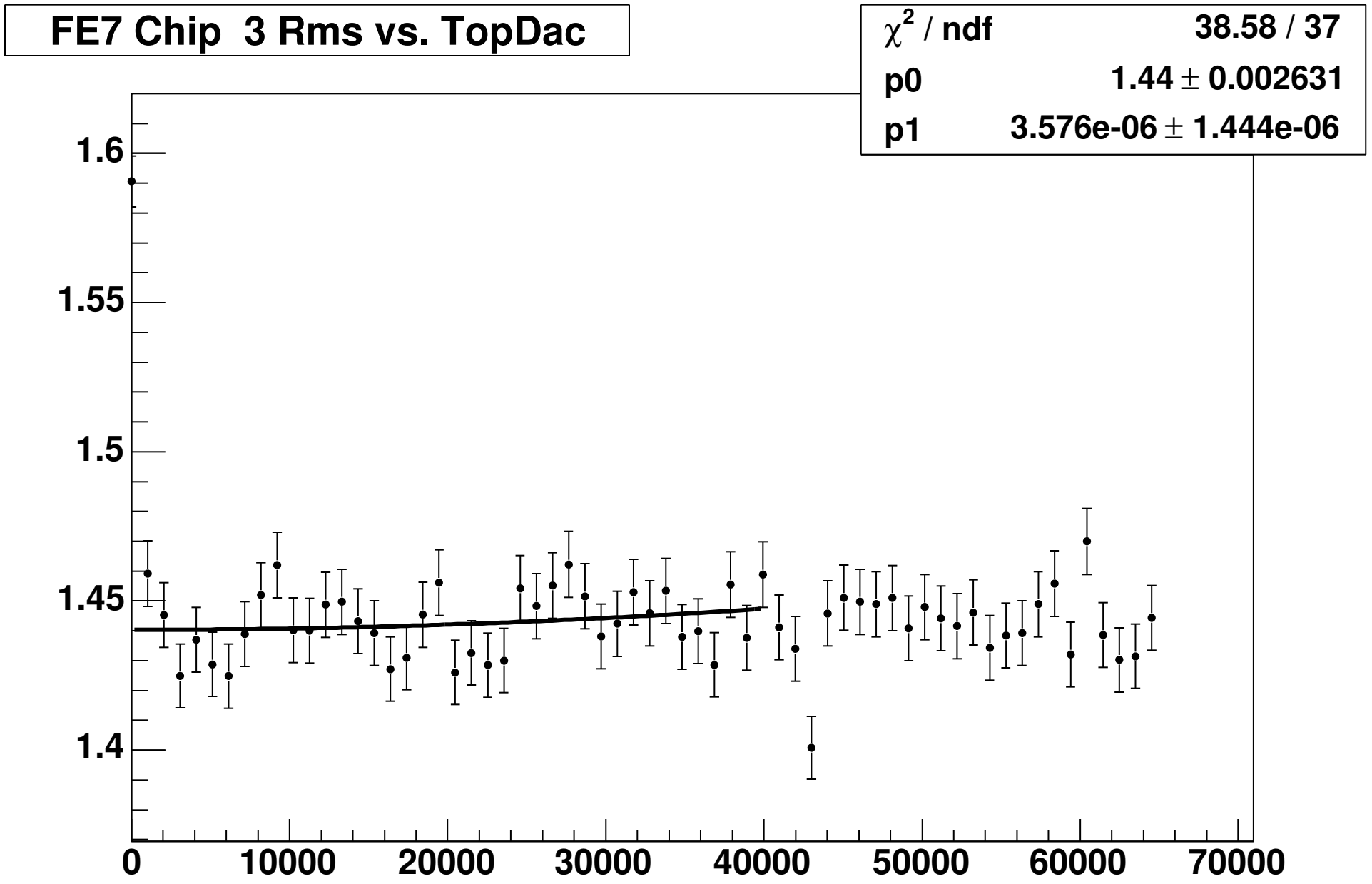

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 131.8 / 37
p0 97.73 ± 0.005169
p1 -2.489e-06 ± 2.201e-07
97.9
97.85
97.8
97.75
97.7
97.65
97.6
0
10000
20000
30000
40000
50000
60000
70000

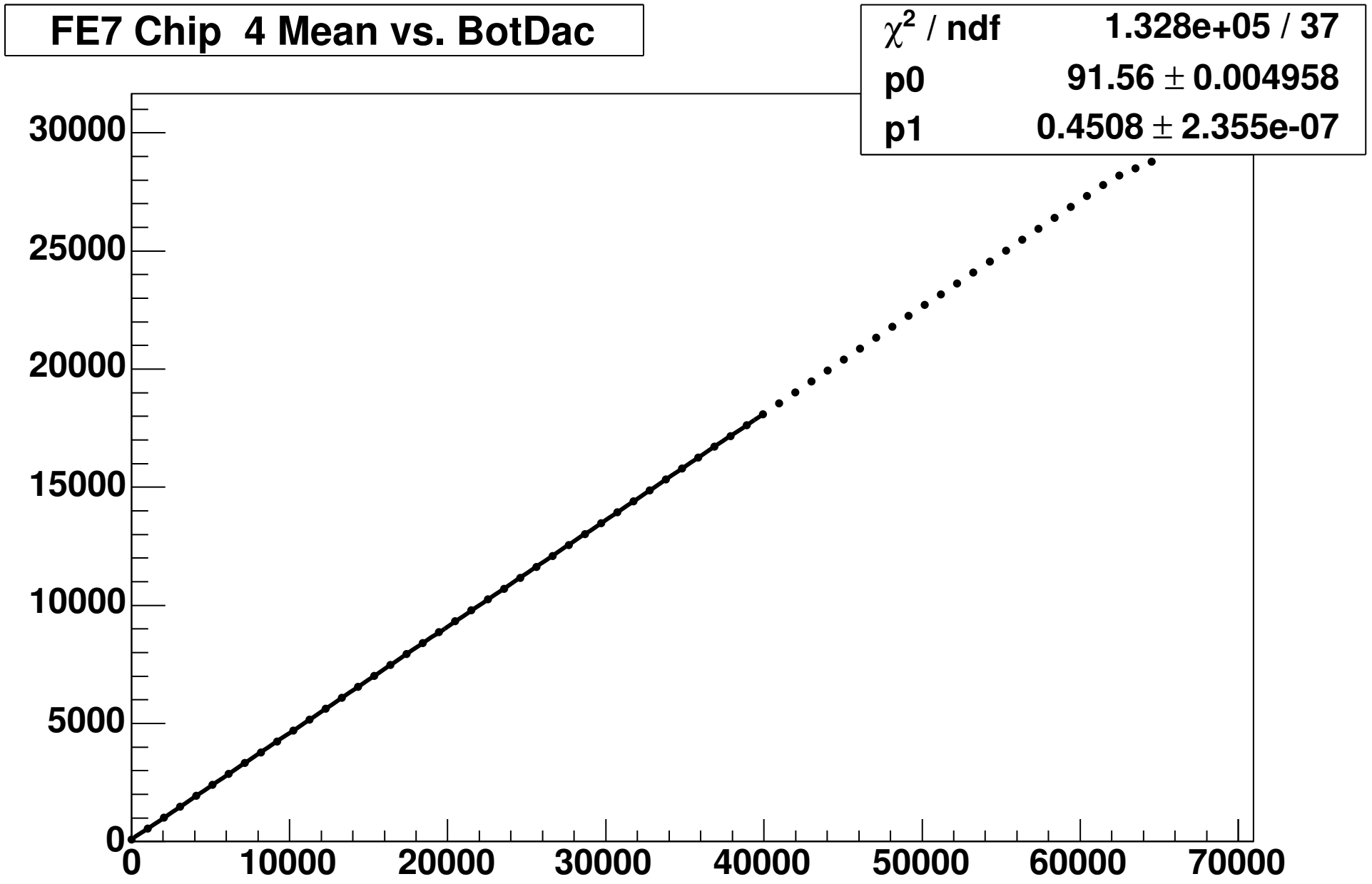

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 21.52 / 37
p0 1.49 ± 0.002714
p1 2.612e-06 ± 2.111e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

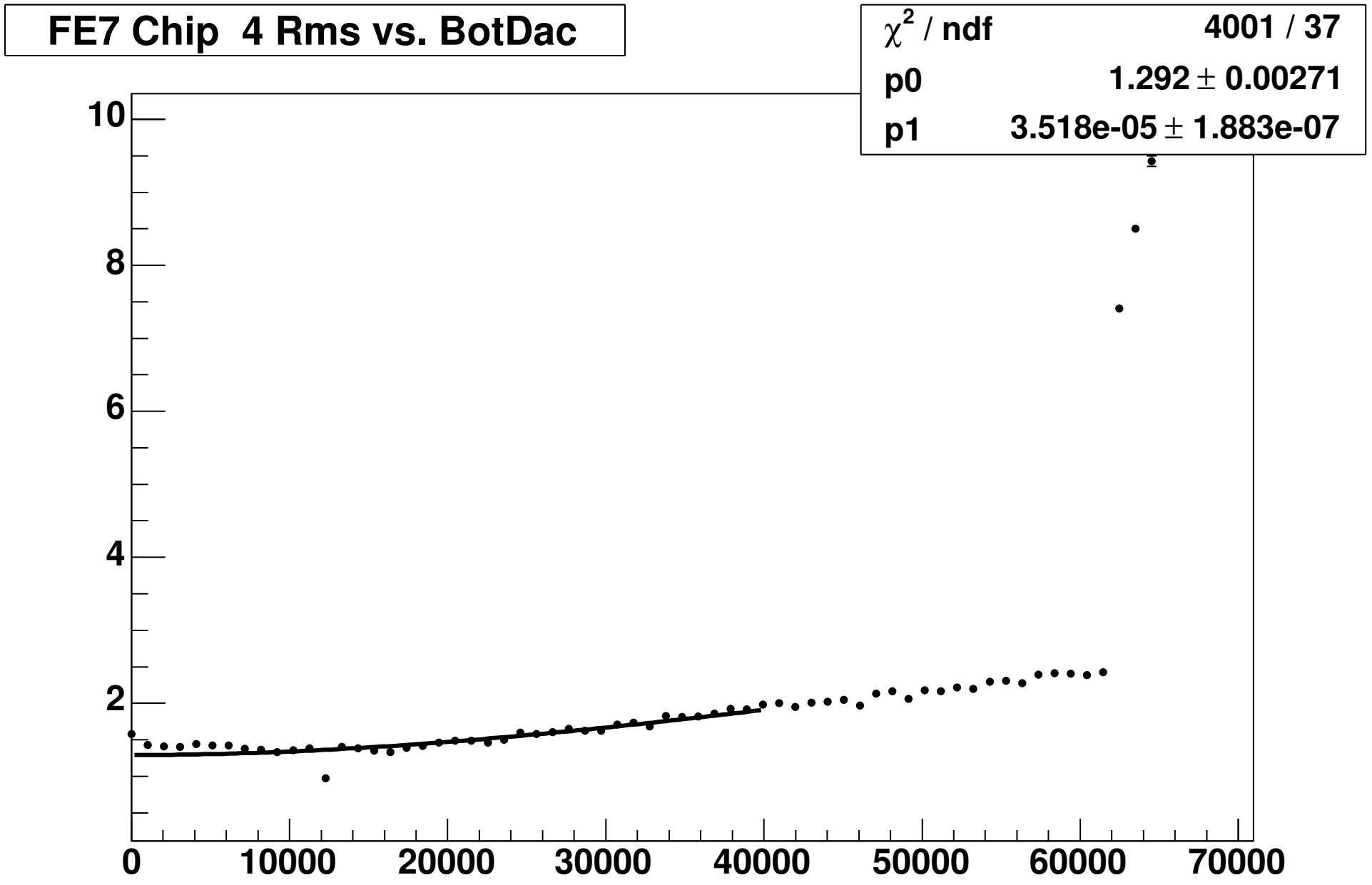

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.156e+05 / 37
p0 96.09 ± 0.004988
p1 0.4506 ± 2.351e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

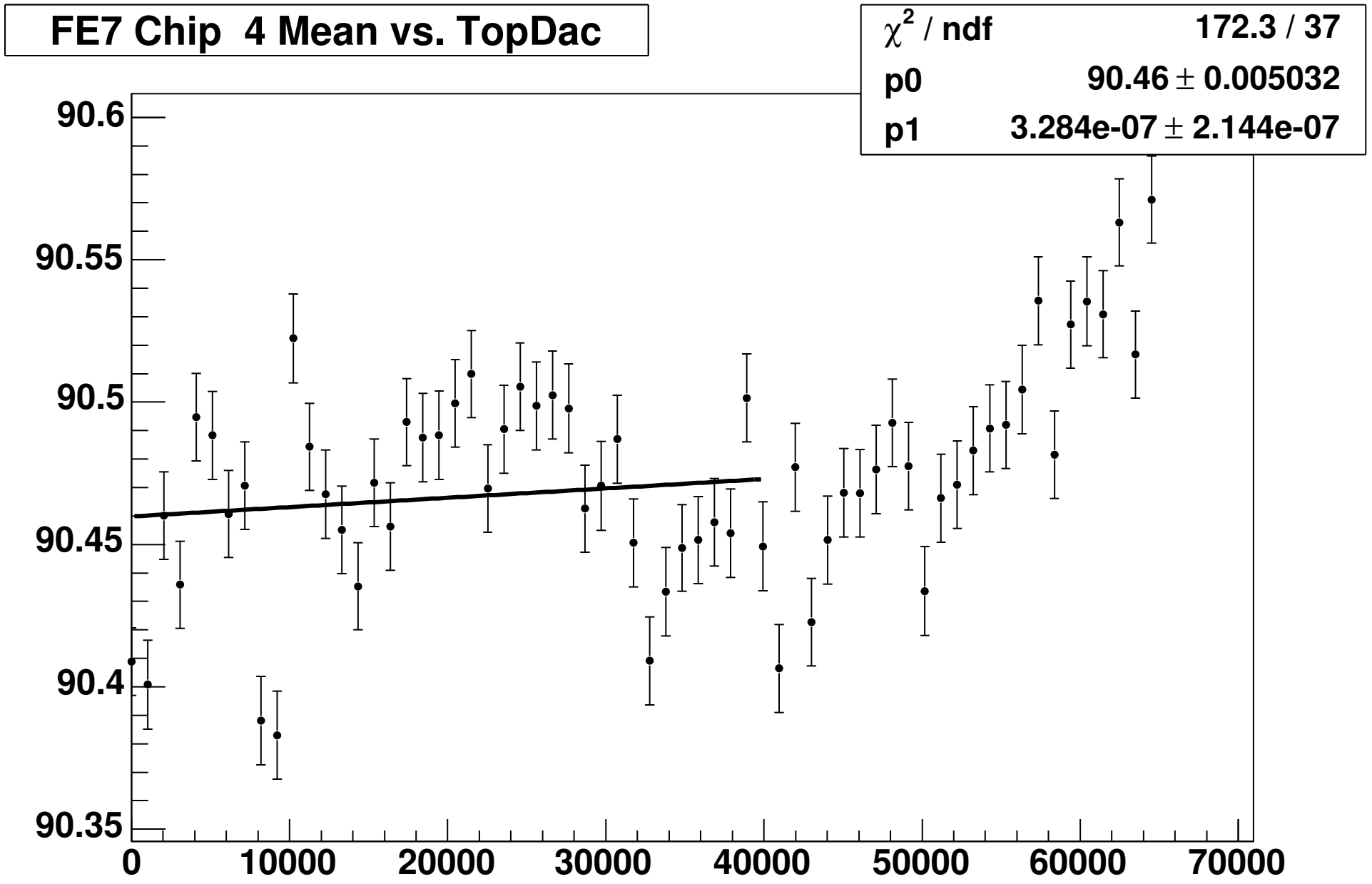

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 941 / 37
p0 1.319 ± 0.002725
p1 3.38e-05 ± 1.959e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

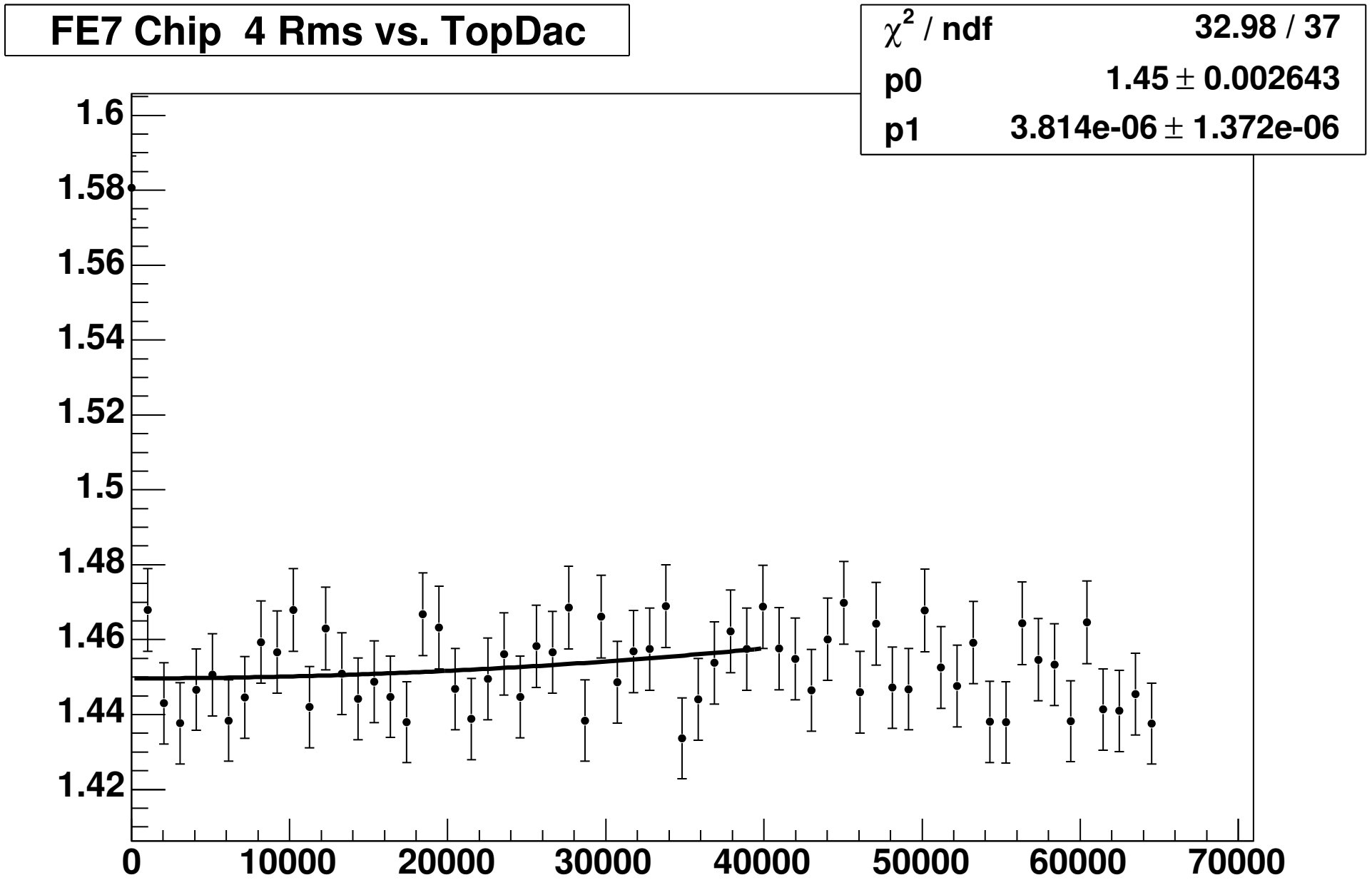

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 136.5 / 37
p0 94.82 ± 0.004999
p1 -2.829e-06 ± 2.13e-07
94.95
94.9
94.85
94.8
94.75
94.7
94.65
0
10000
20000
30000
40000
50000
60000
70000

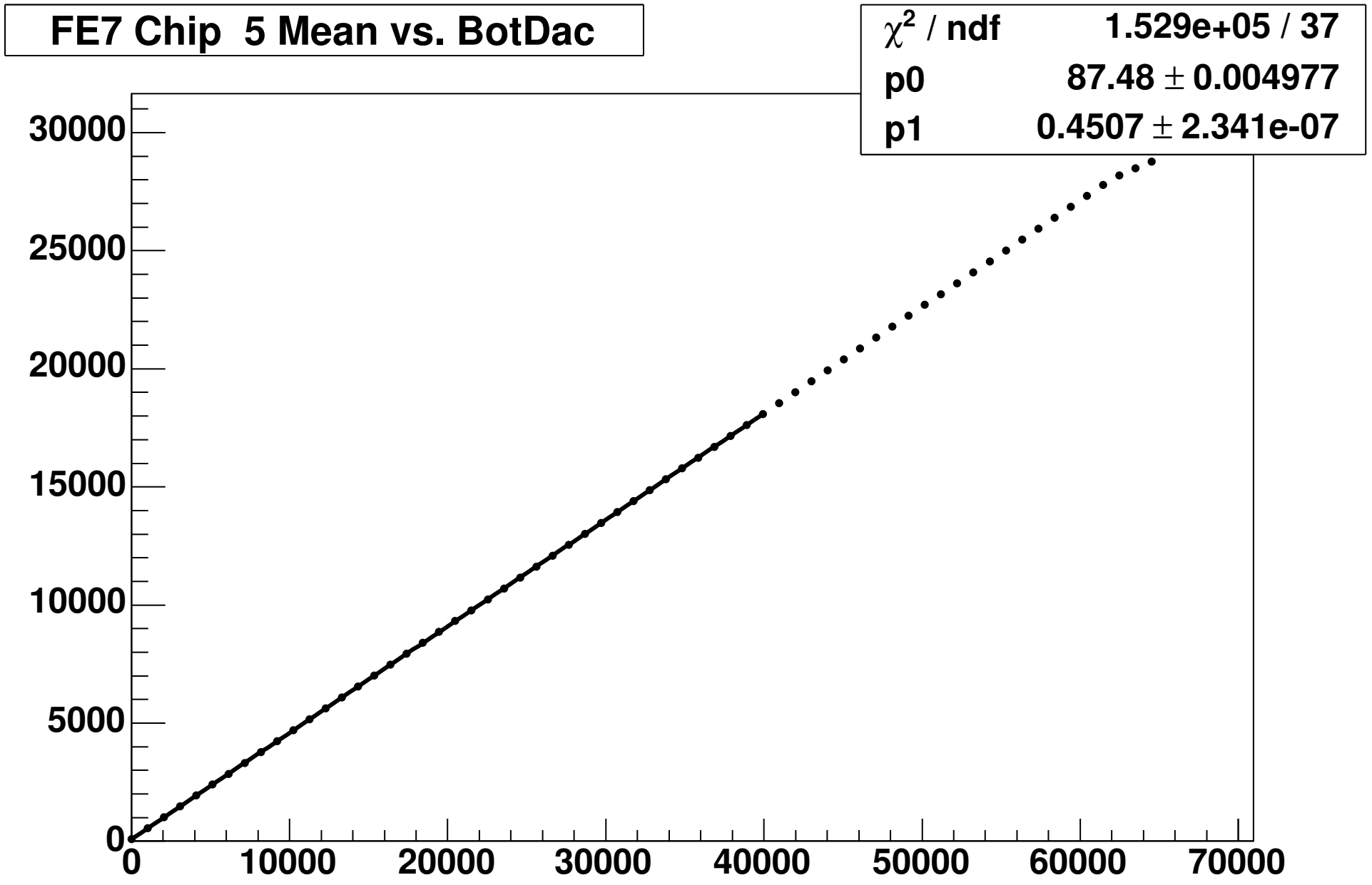

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 38.58 / 37
p0 1.44 ± 0.002631
p1 3.576e-06 ± 1.444e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

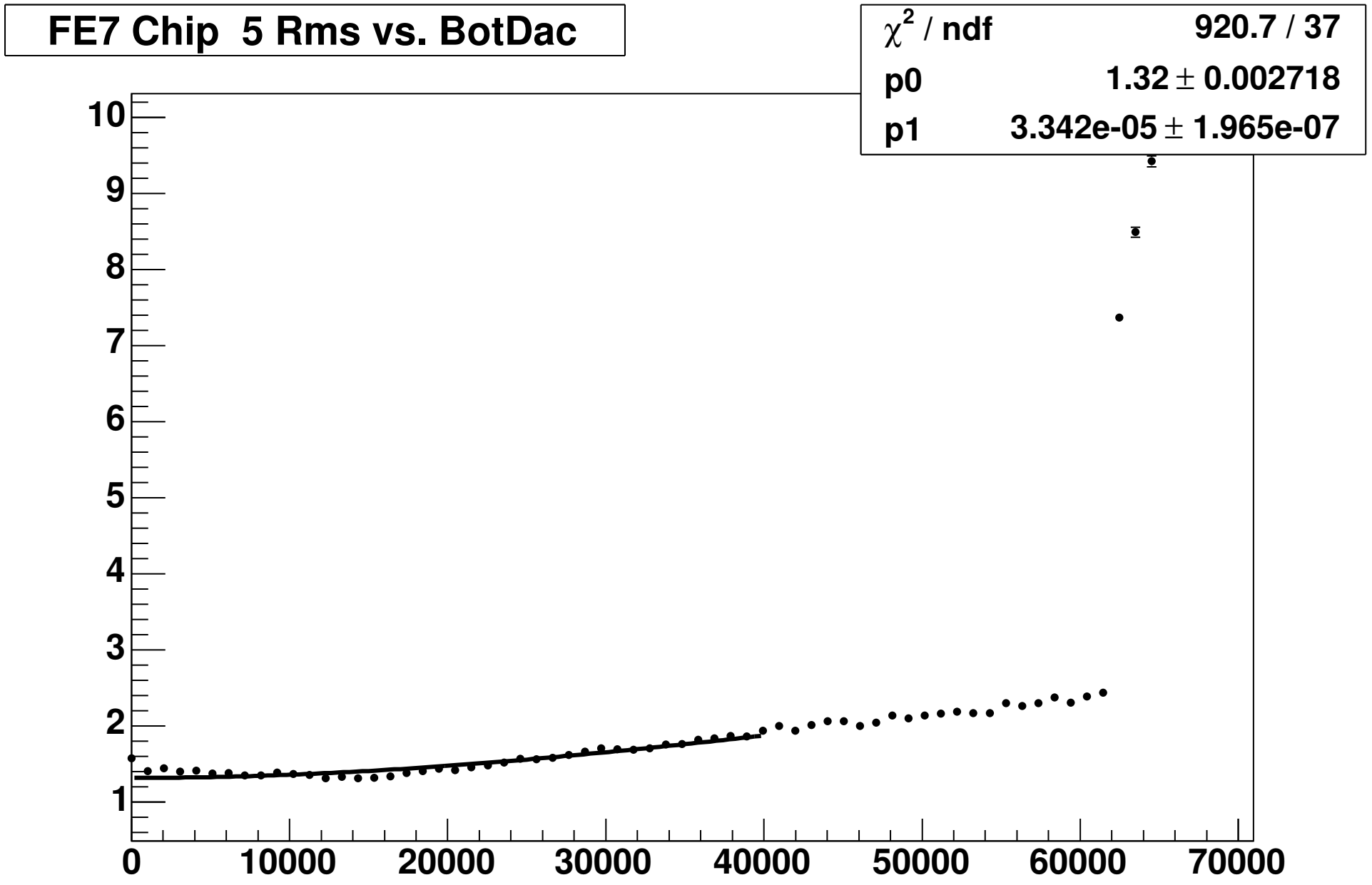

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.328e+05 / 37
p0 91.56 ± 0.004958
p1 0.4508 ± 2.355e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

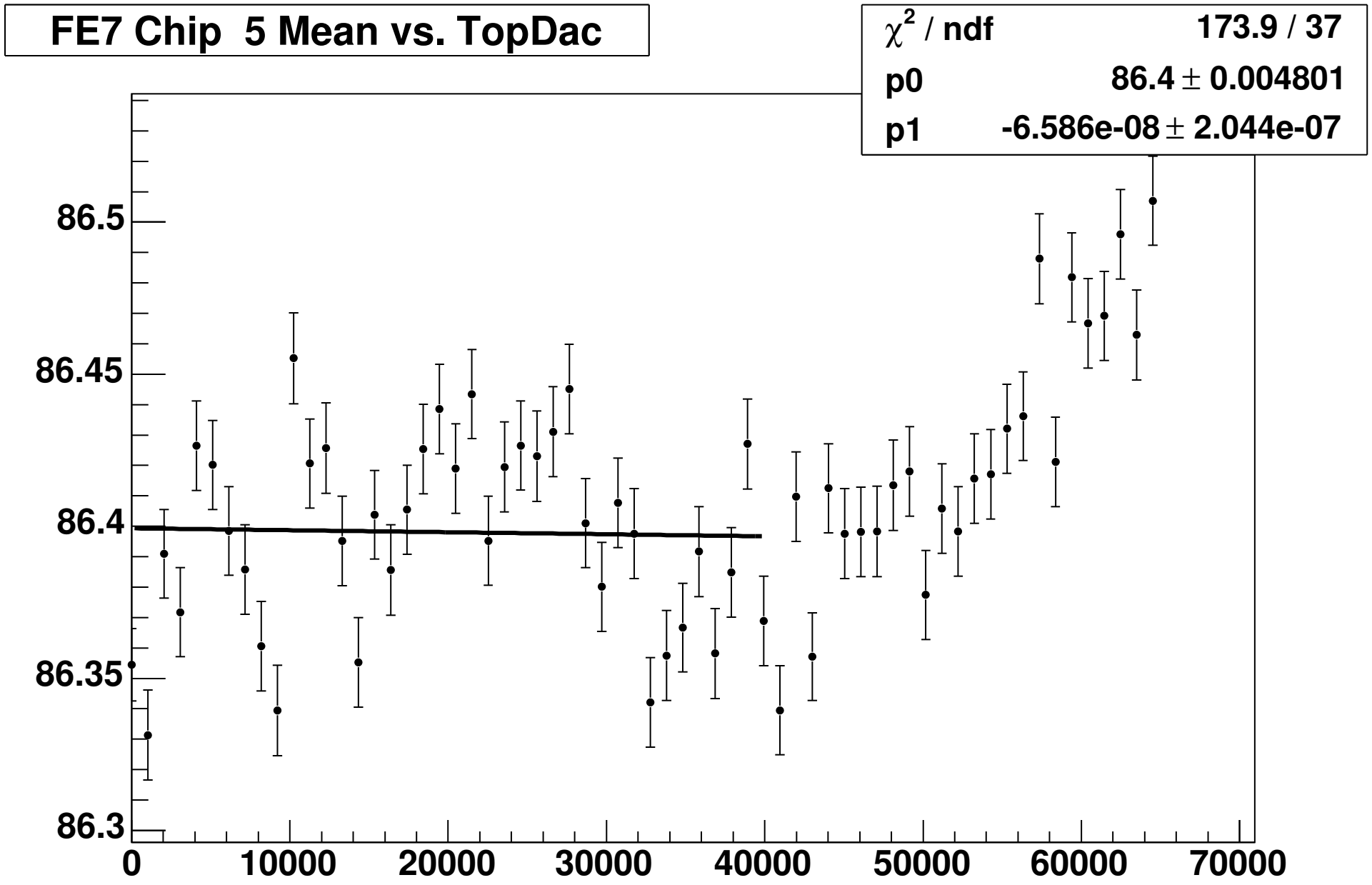

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 4001 / 37
p0 1.292 ± 0.00271
p1 3.518e-05 ± 1.883e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

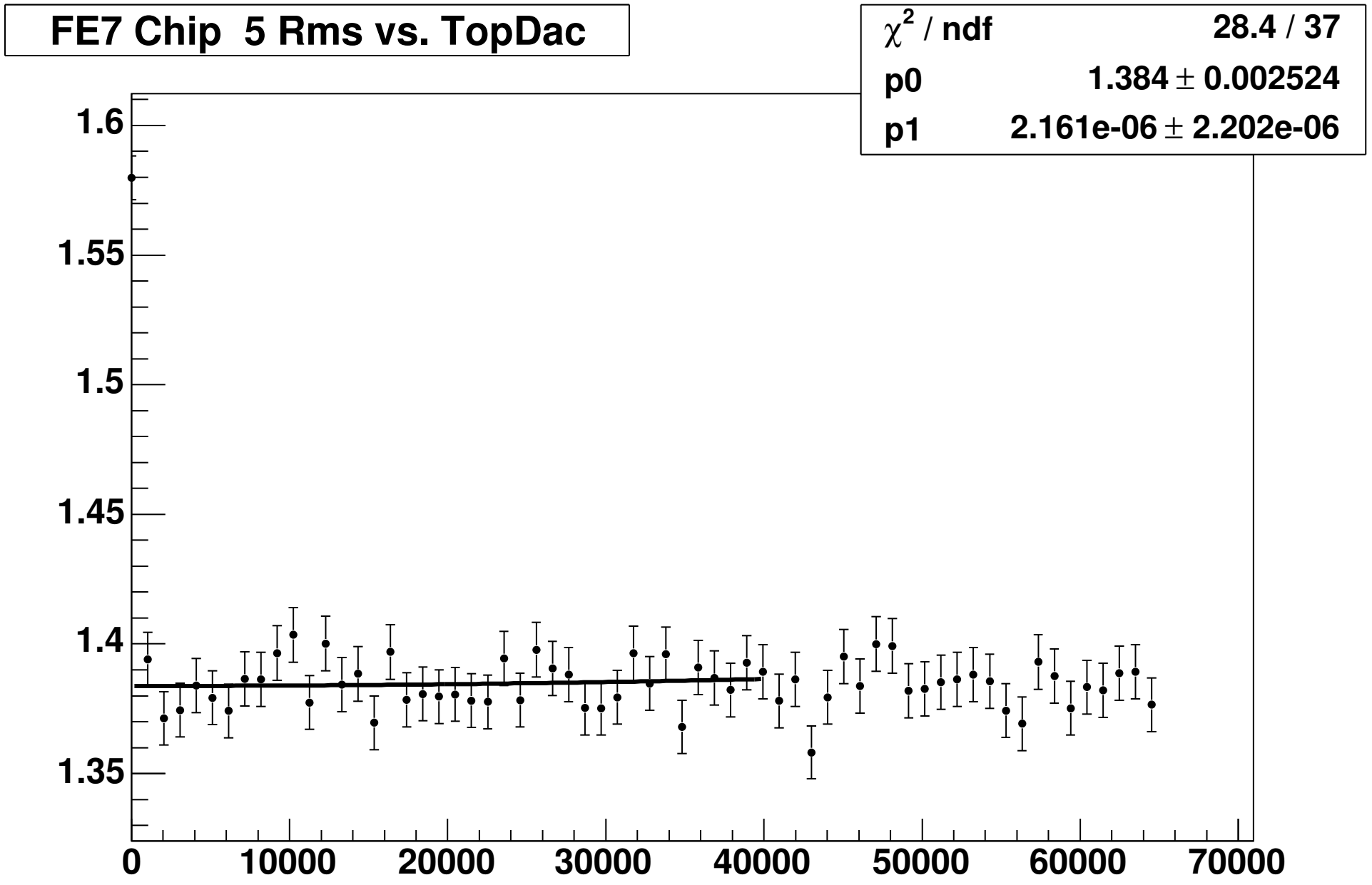

FE7 Chip 4 Mean vs. TopDac
χ^2 / ndf 172.3 / 37
p0 90.46 ± 0.005032
p1 3.284e-07 ± 2.144e-07
90.6
90.55
90.5
90.45
90.4
90.35
0
10000
20000
30000
40000
50000
60000
70000

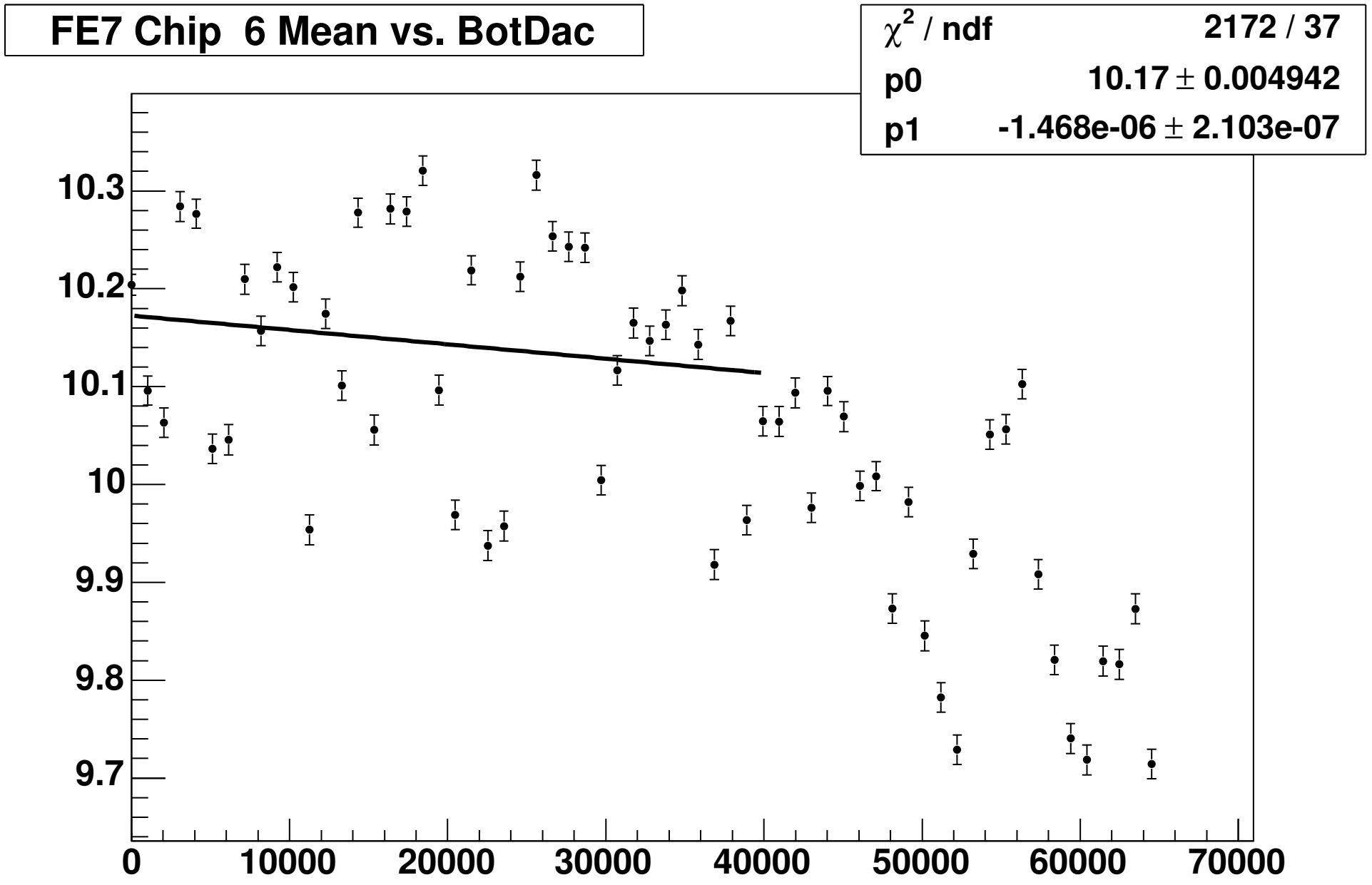

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 32.98 / 37
p0 1.45 ± 0.002643
p1 3.814e-06 ± 1.372e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

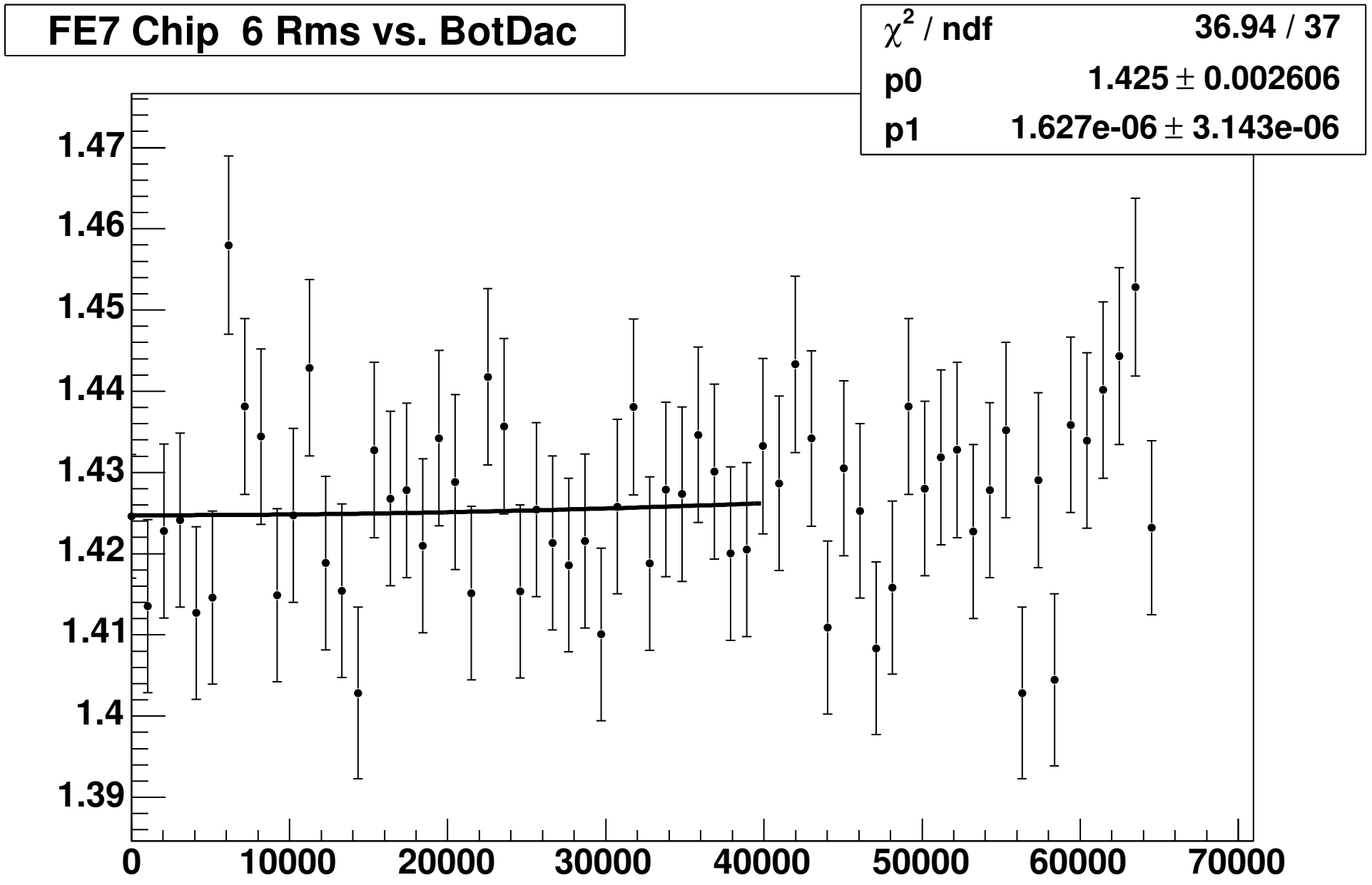

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.529e+05 / 37
p0 87.48 ± 0.004977
p1 0.4507 ± 2.341e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

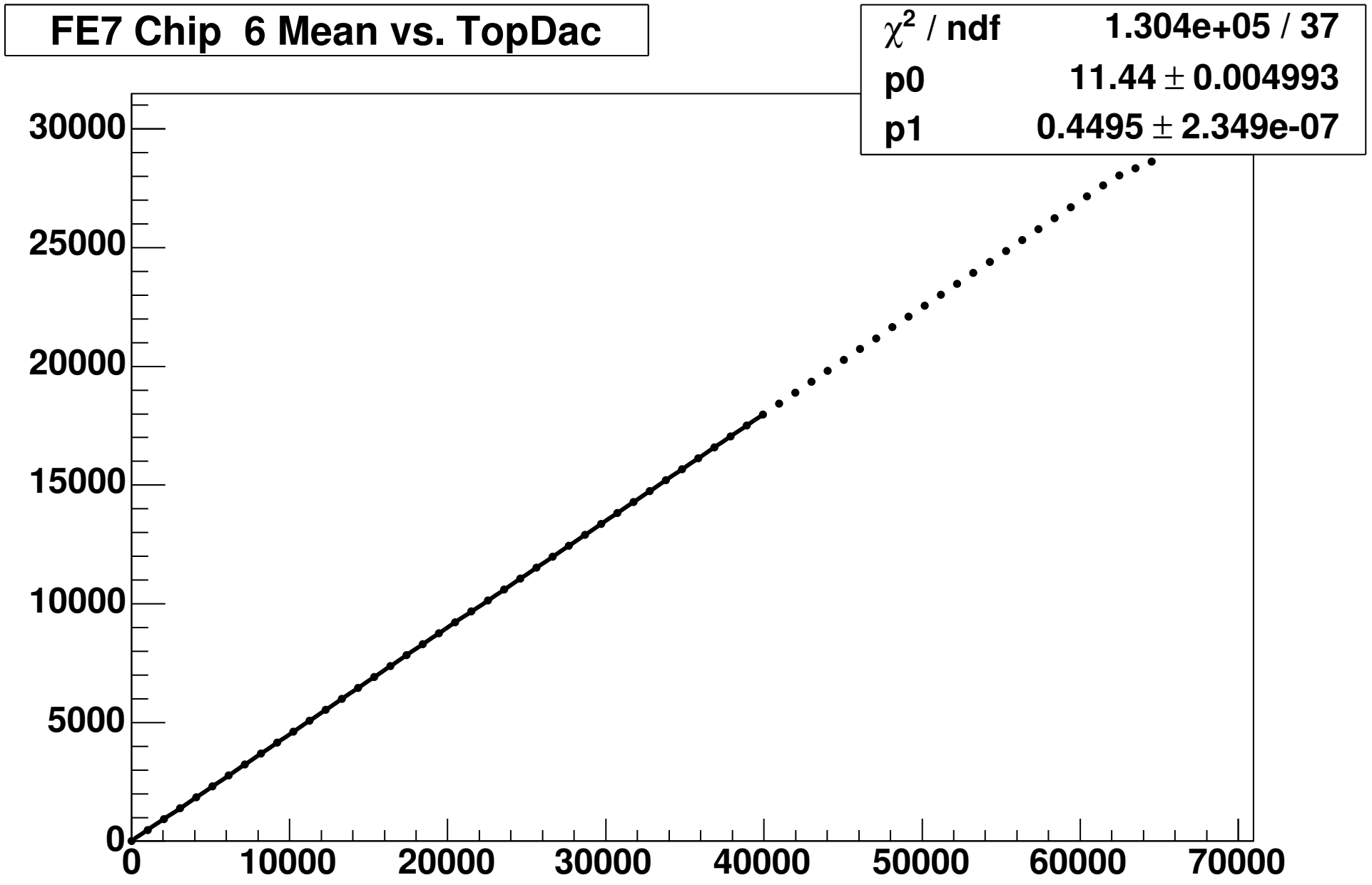

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 920.7 / 37
p0 1.32 ± 0.002718
p1 3.342e-05 ± 1.965e-07
10
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

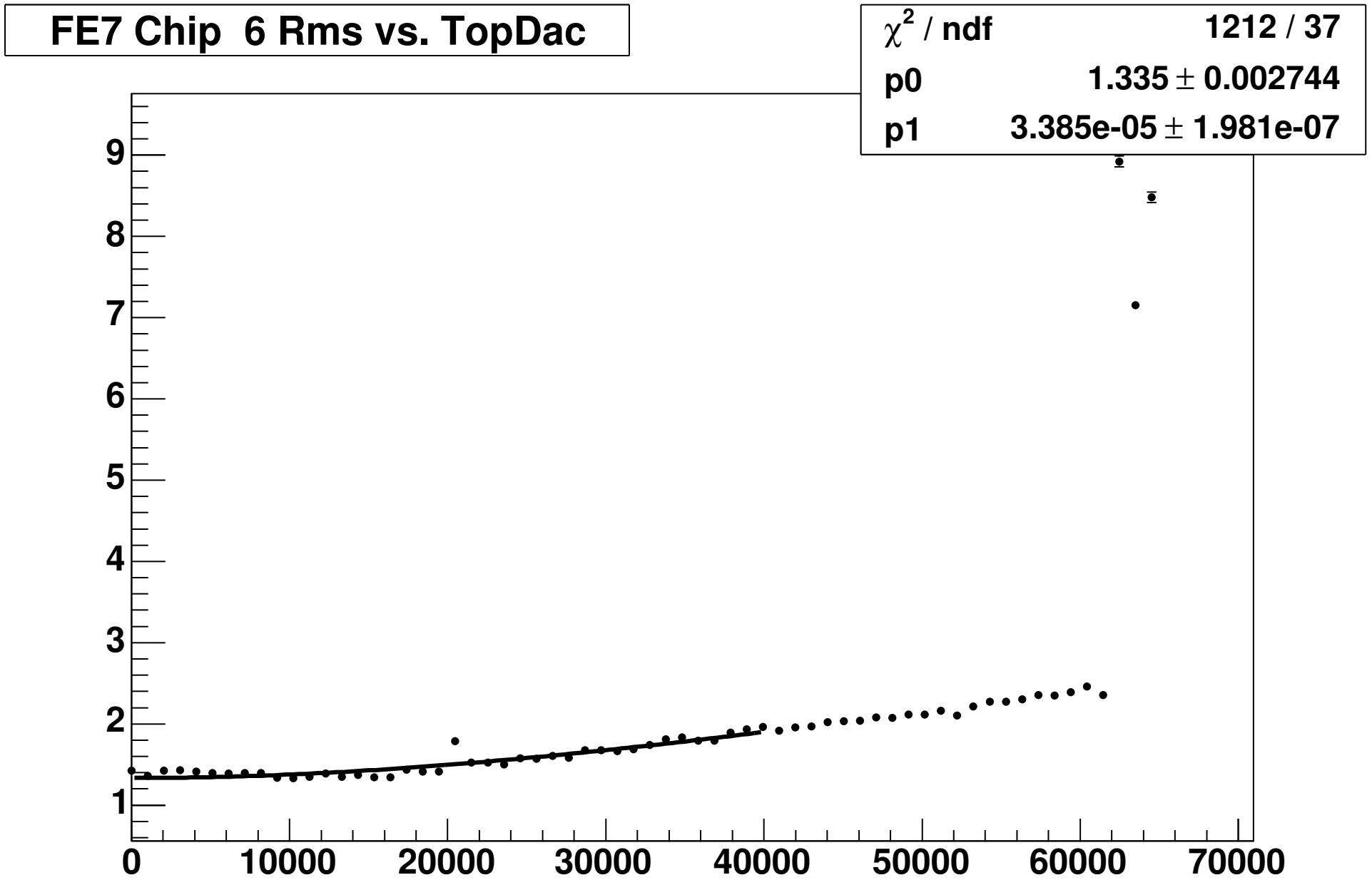

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 173.9 / 37
p0 86.4 ± 0.004801
p1 -6.586e-08 ± 2.044e-07
86.5
86.45
86.4
86.35
86.3
0
10000
20000
30000
40000
50000
60000
70000

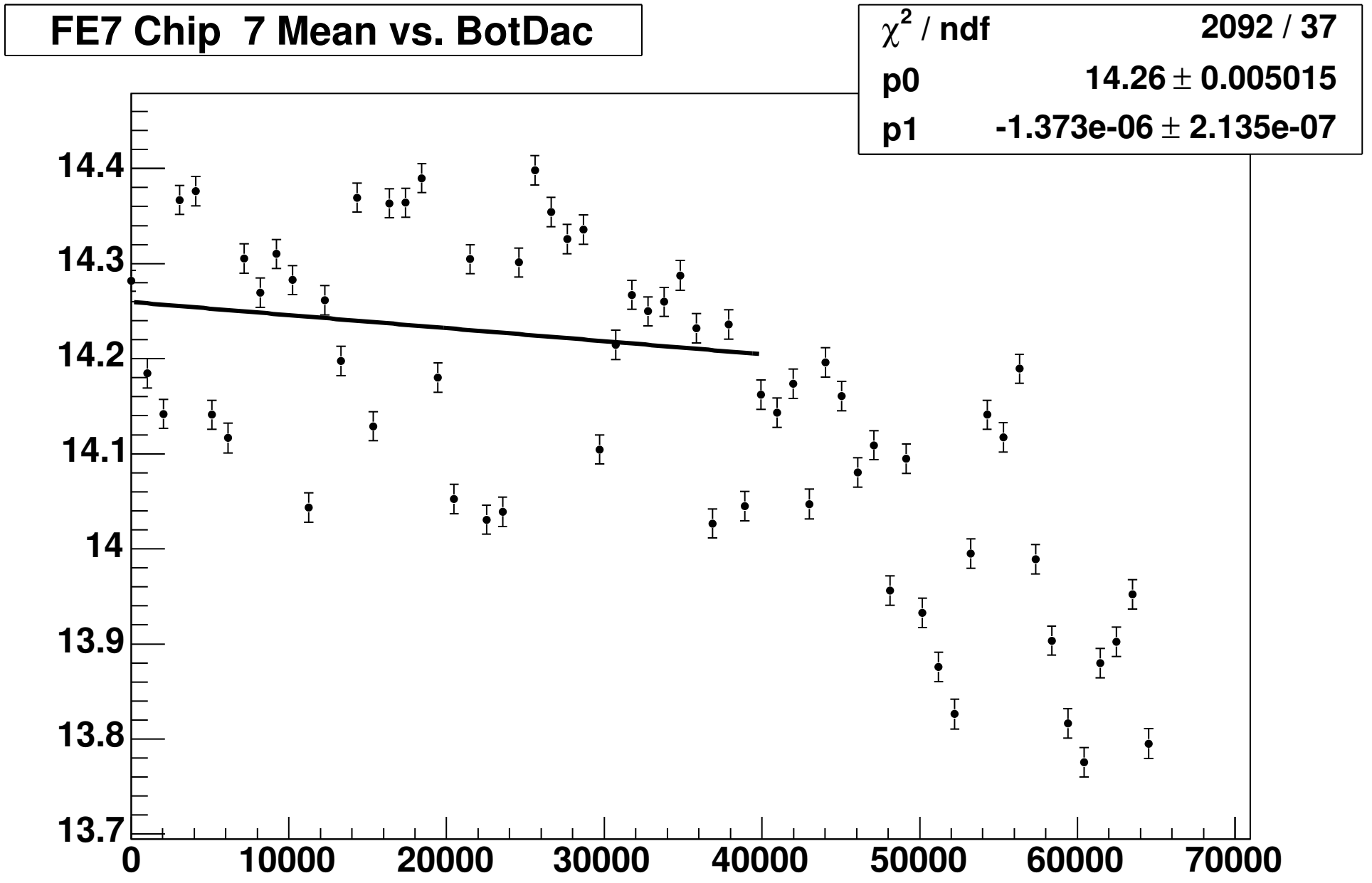

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 28.4 / 37
p0 1.384 ± 0.002524
p1 2.161e-06 ± 2.202e-06
1.6
1.55
1.5
1.45
1.4
1.35
0
10000
20000
30000
40000
50000
60000
70000

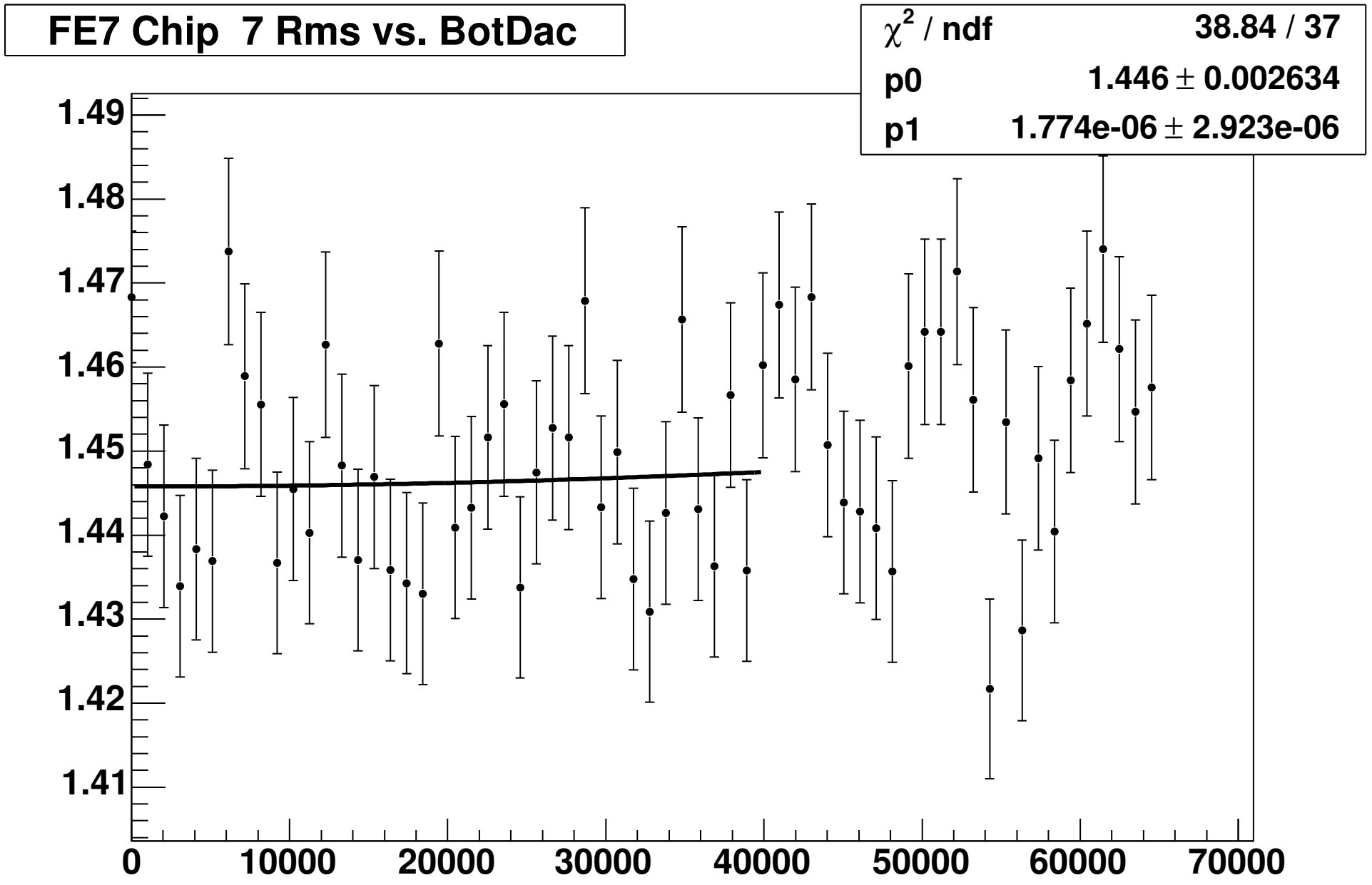

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 2172 / 37
p0 10.17 ± 0.004942
p1 -1.468e-06 ± 2.103e-07
10.3
10.2
10.1
10
9.9
9.8
9.7
0
10000
20000
30000
40000
50000
60000
70000

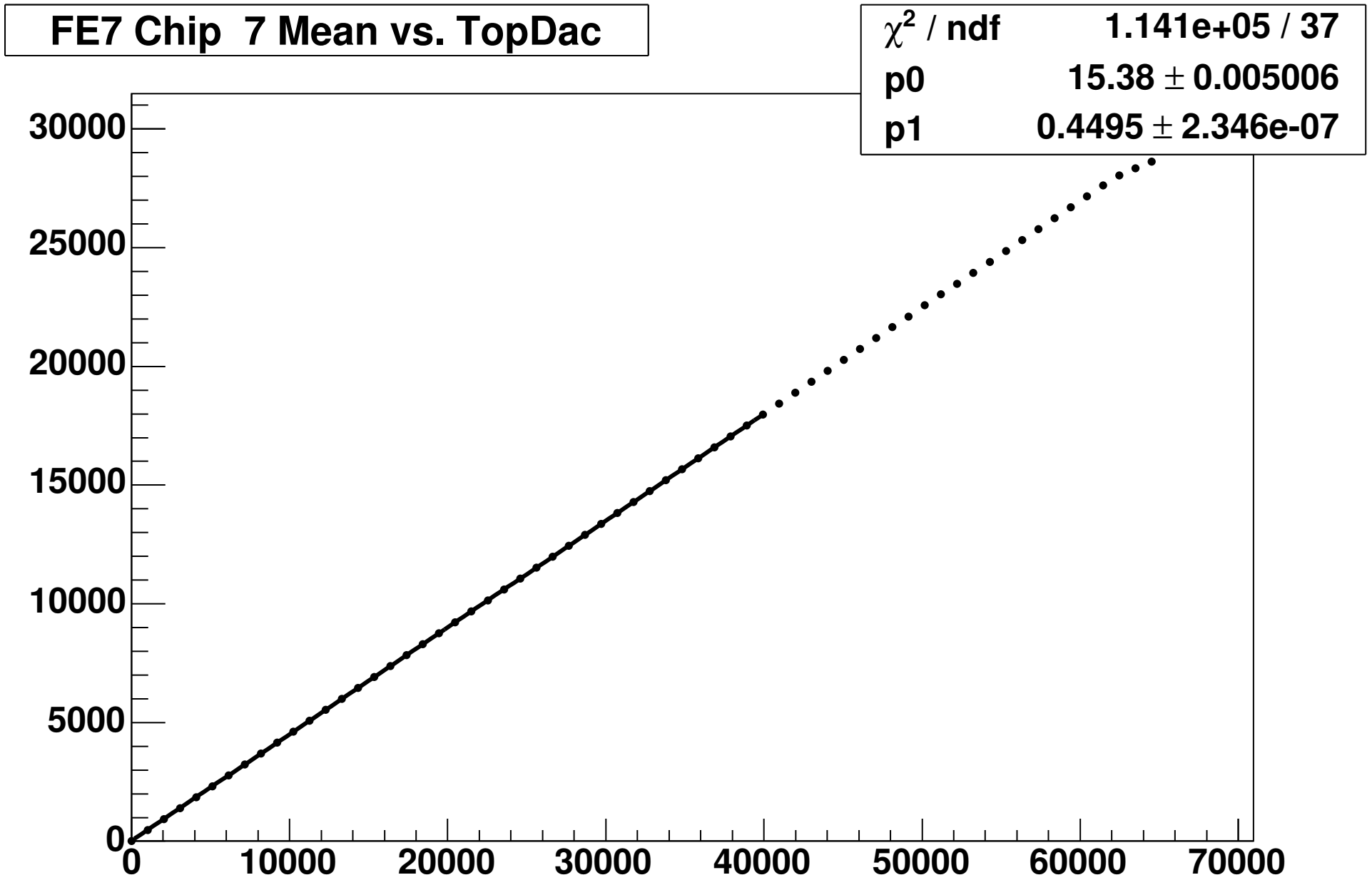

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 36.94 / 37
p0 1.425 ± 0.002606
p1 1.627e-06 ± 3.143e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000

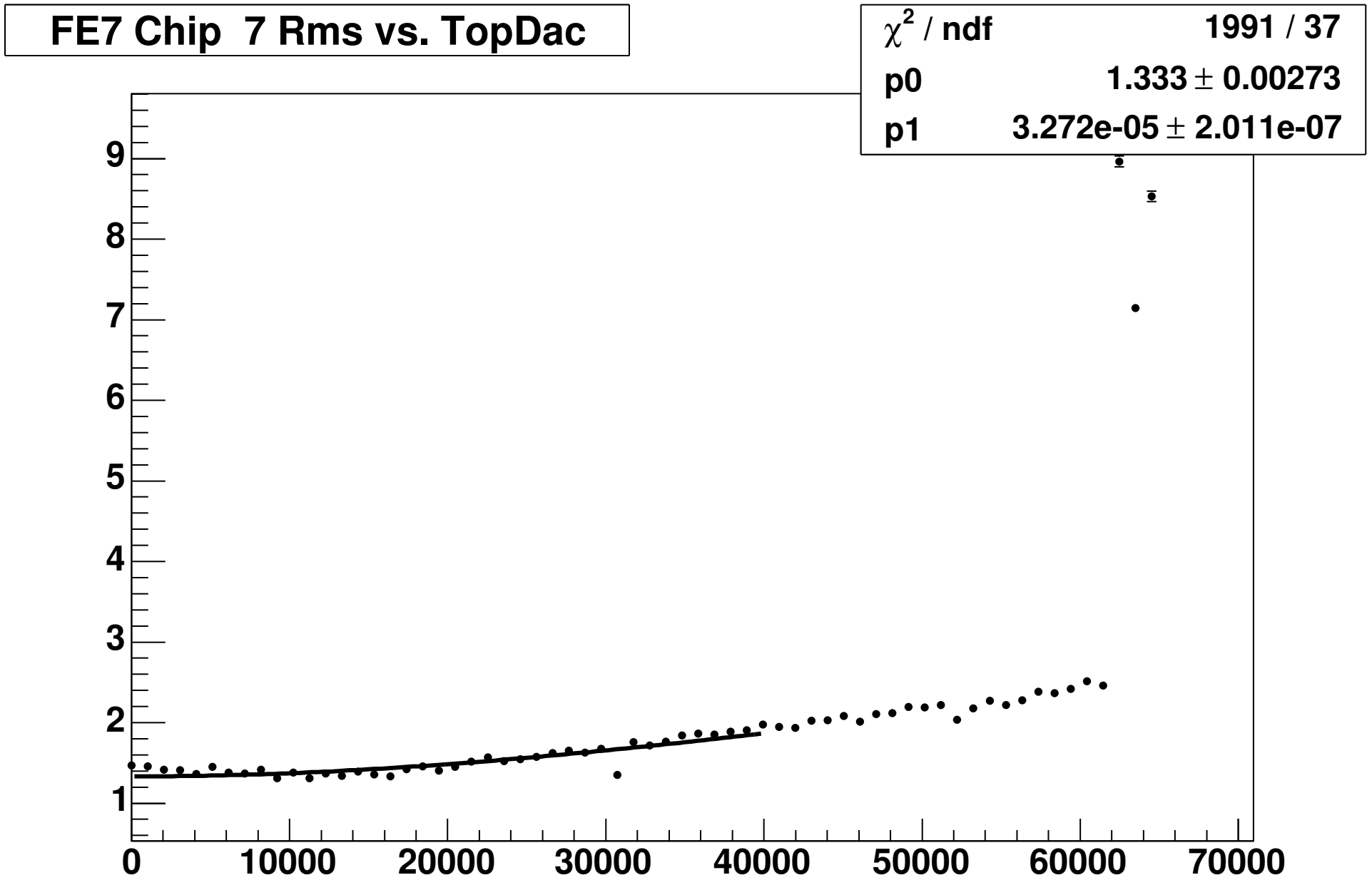

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.304e+05 / 37
p0 11.44 ± 0.004993
p1 0.4495 ± 2.349e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

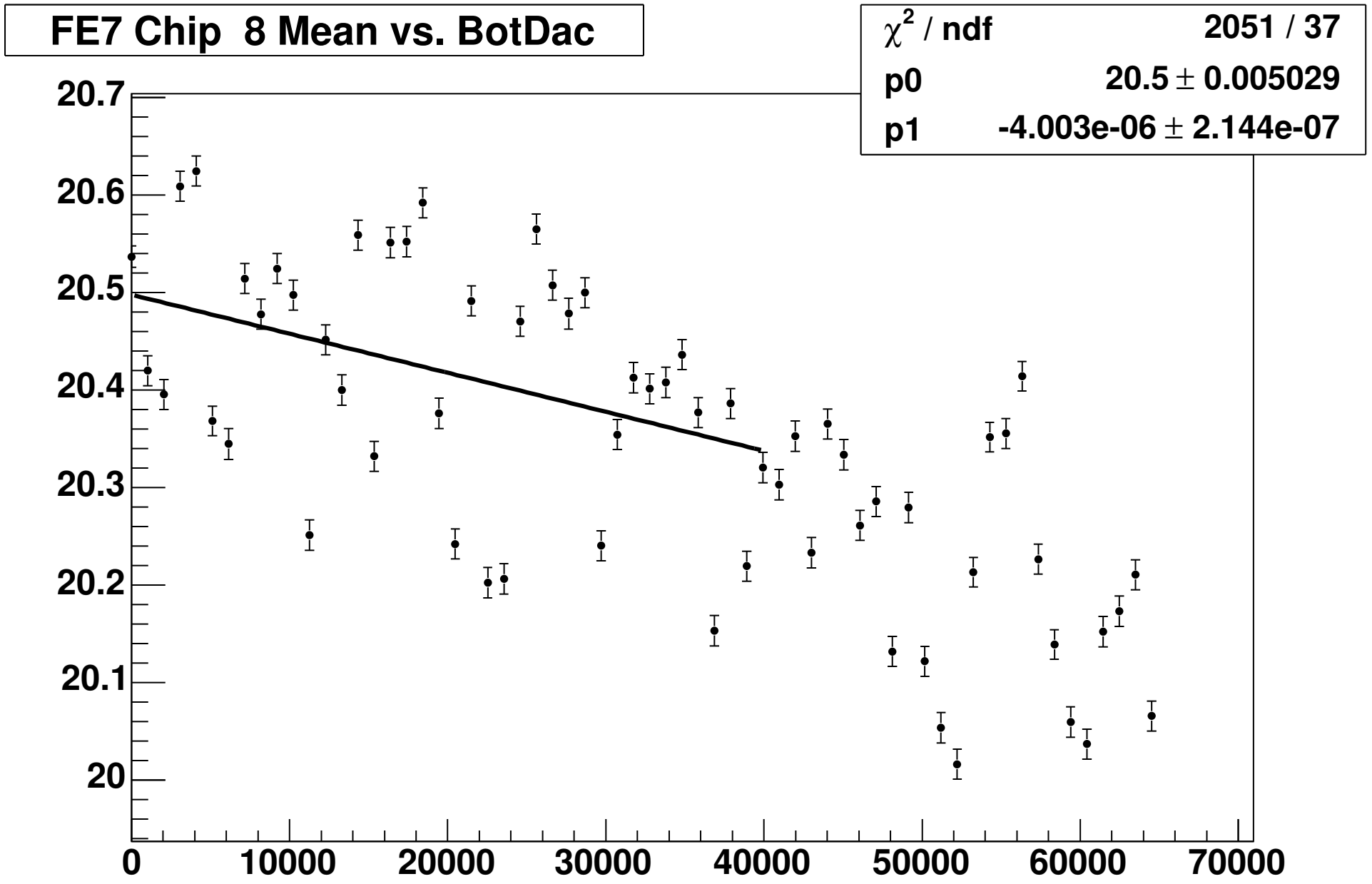

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1212 / 37
p0 1.335 ± 0.002744
p1 3.385e-05 ± 1.981e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

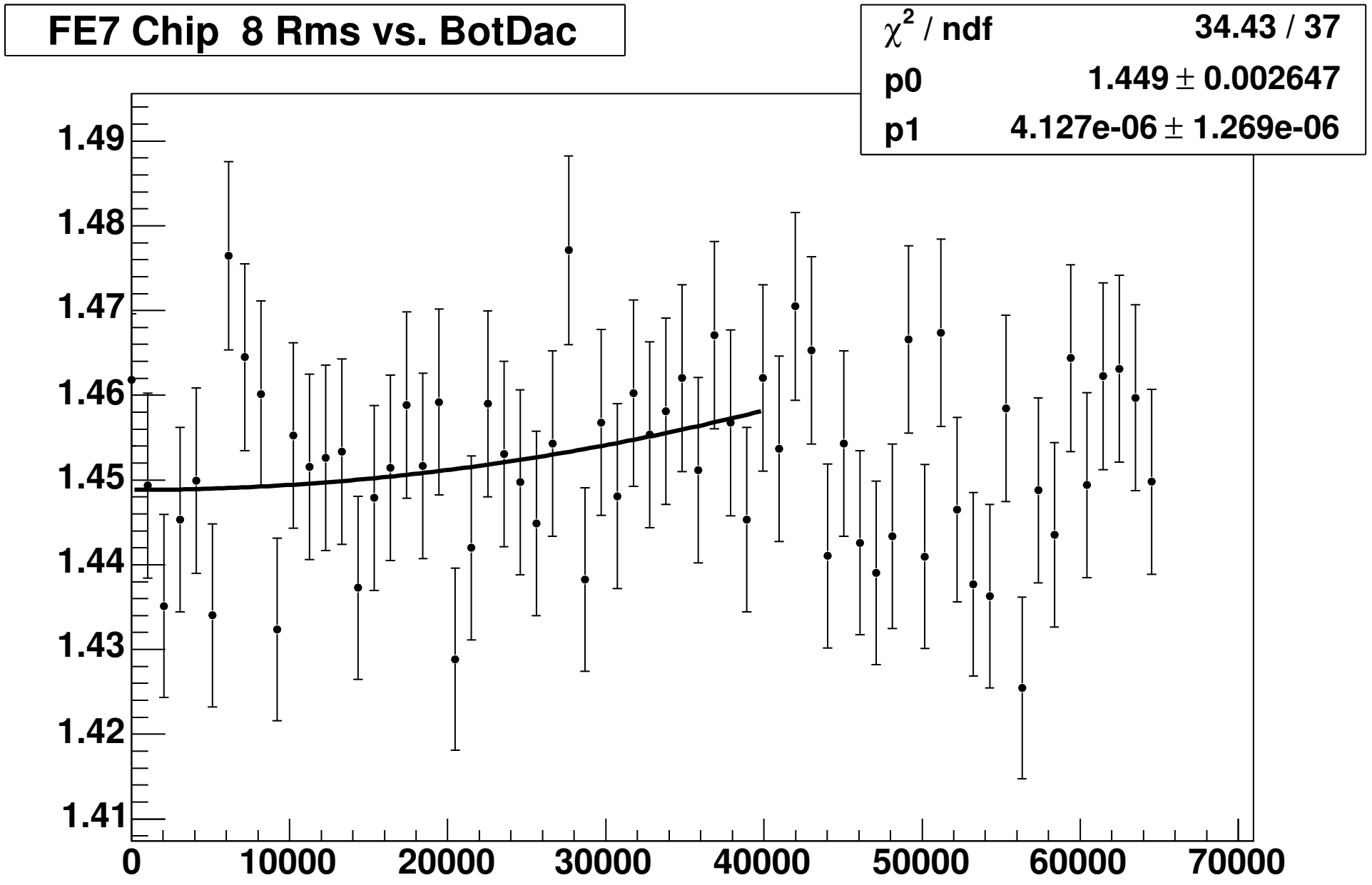

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 2092 / 37
p0 14.26 ± 0.005015
p1 -1.373e-06 ± 2.135e-07
14.4
14.3
14.2
14.1
14
13.9
13.8
13.7
0
10000
20000
30000
40000
50000
60000
70000

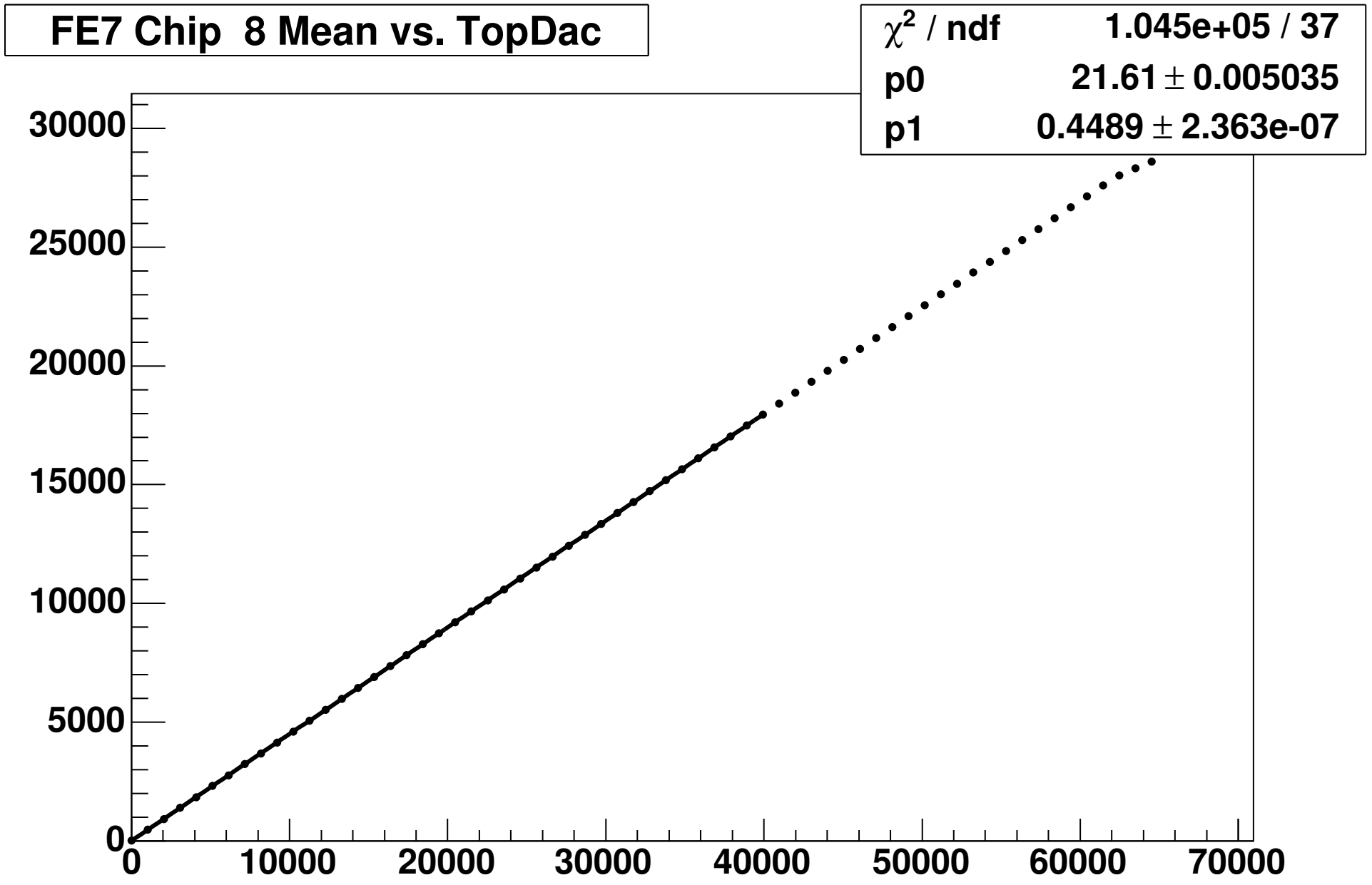

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 38.84 / 37
p0 1.446 ± 0.002634
p1 1.774e-06 ± 2.923e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

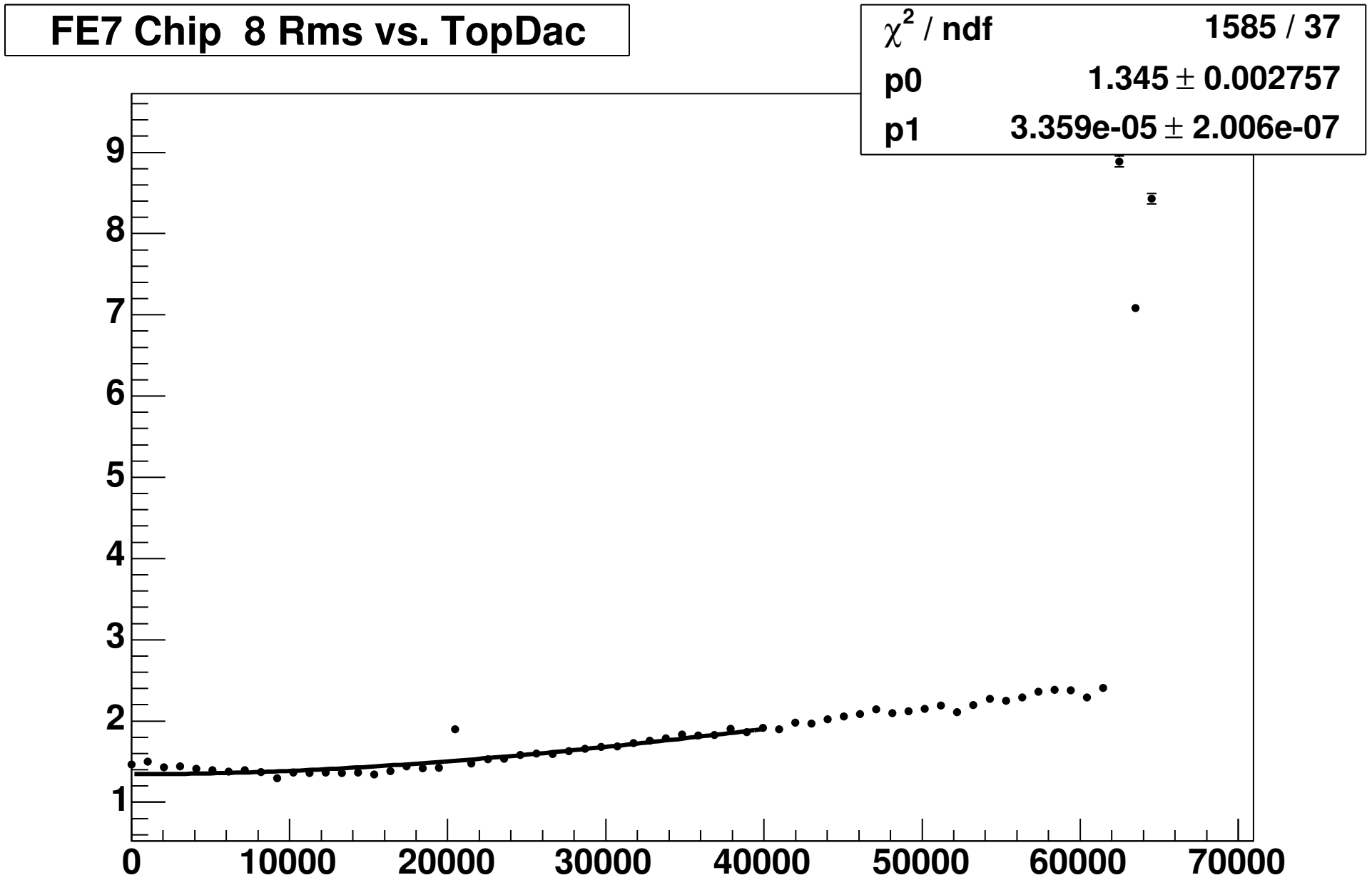

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 1.141e+05 / 37
p0 15.38 ± 0.005006
p1 0.4495 ± 2.346e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

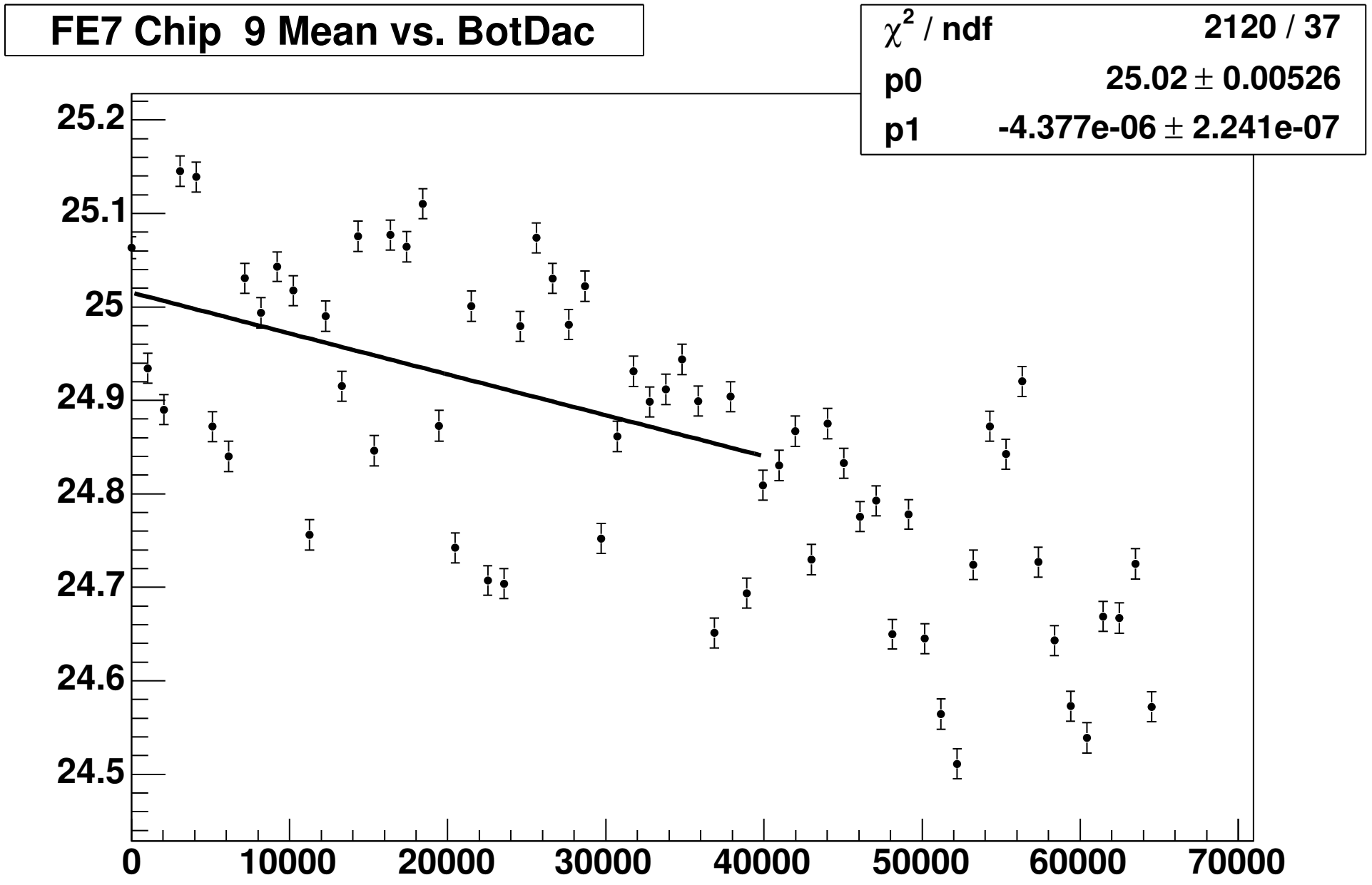

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1991 / 37
p0 1.333 ± 0.00273
p1 3.272e-05 ± 2.011e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

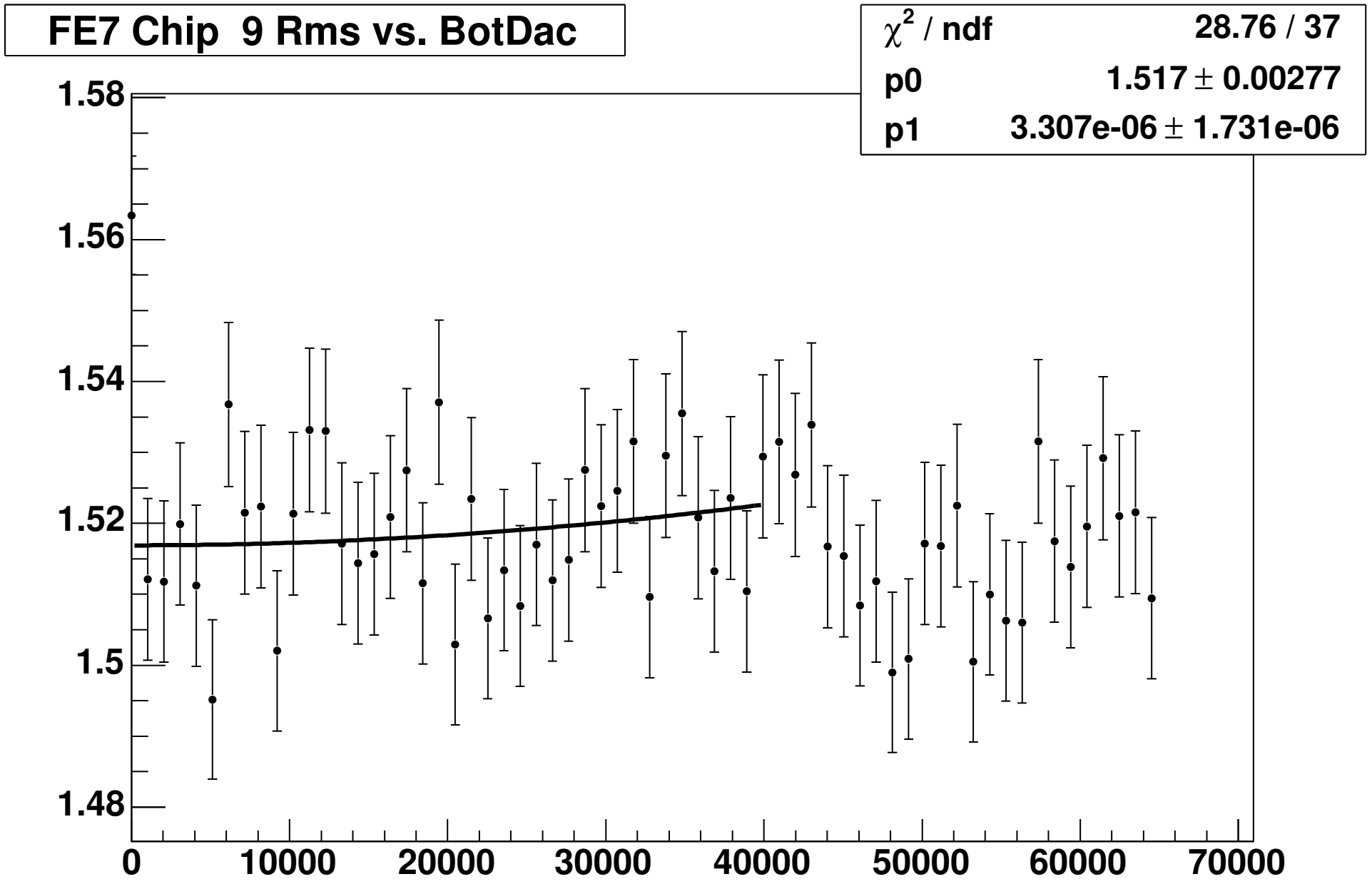

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 2051 / 37
p0 20.5 ± 0.005029
p1 -4.003e-06 ± 2.144e-07
20.7
20.6
20.5
20.4
20.3
20.2
20.1
20
0
10000
20000
30000
40000
50000
60000
70000

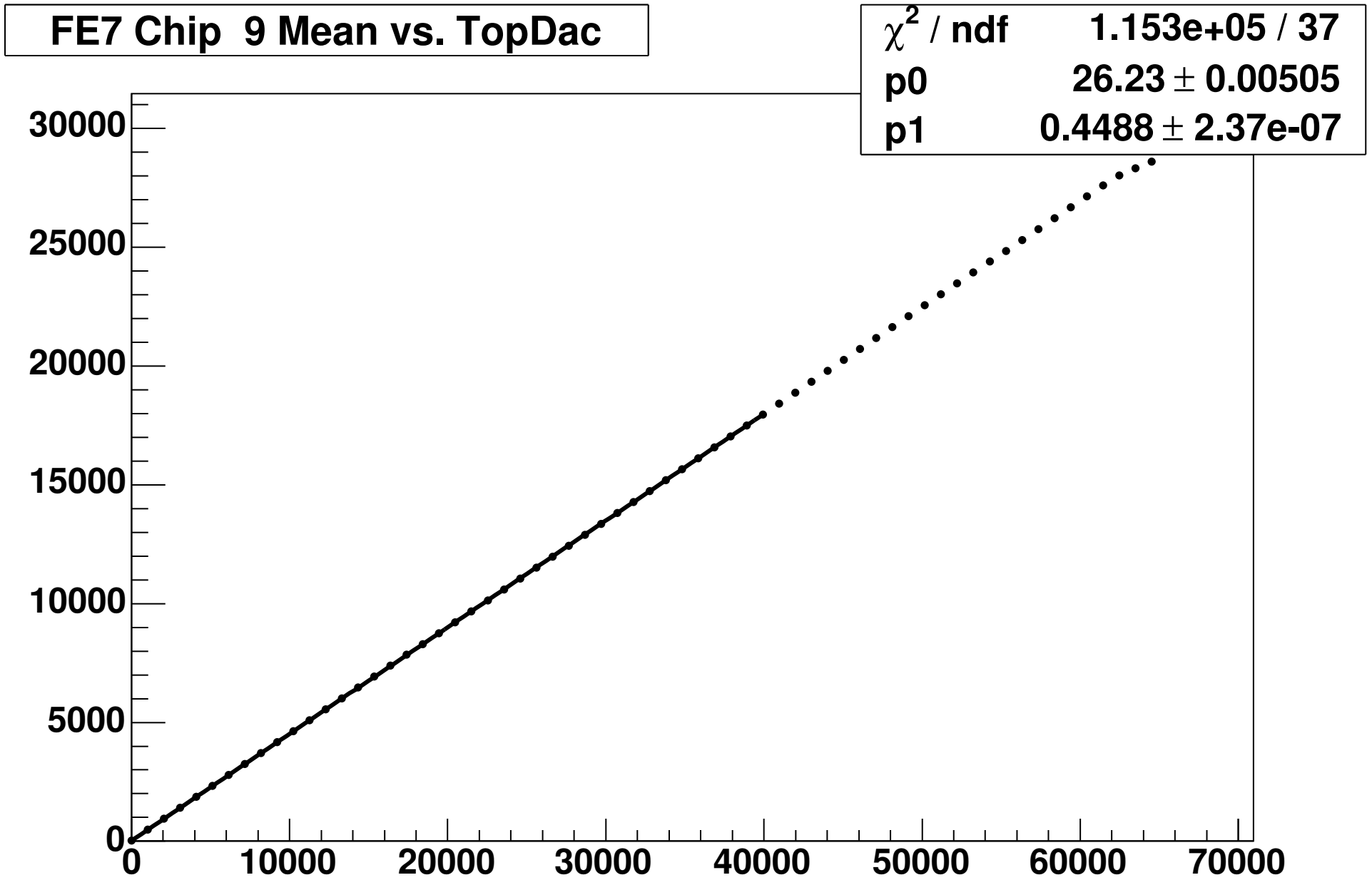

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 34.43 / 37
p0 1.449 ± 0.002647
p1 4.127e-06 ± 1.269e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

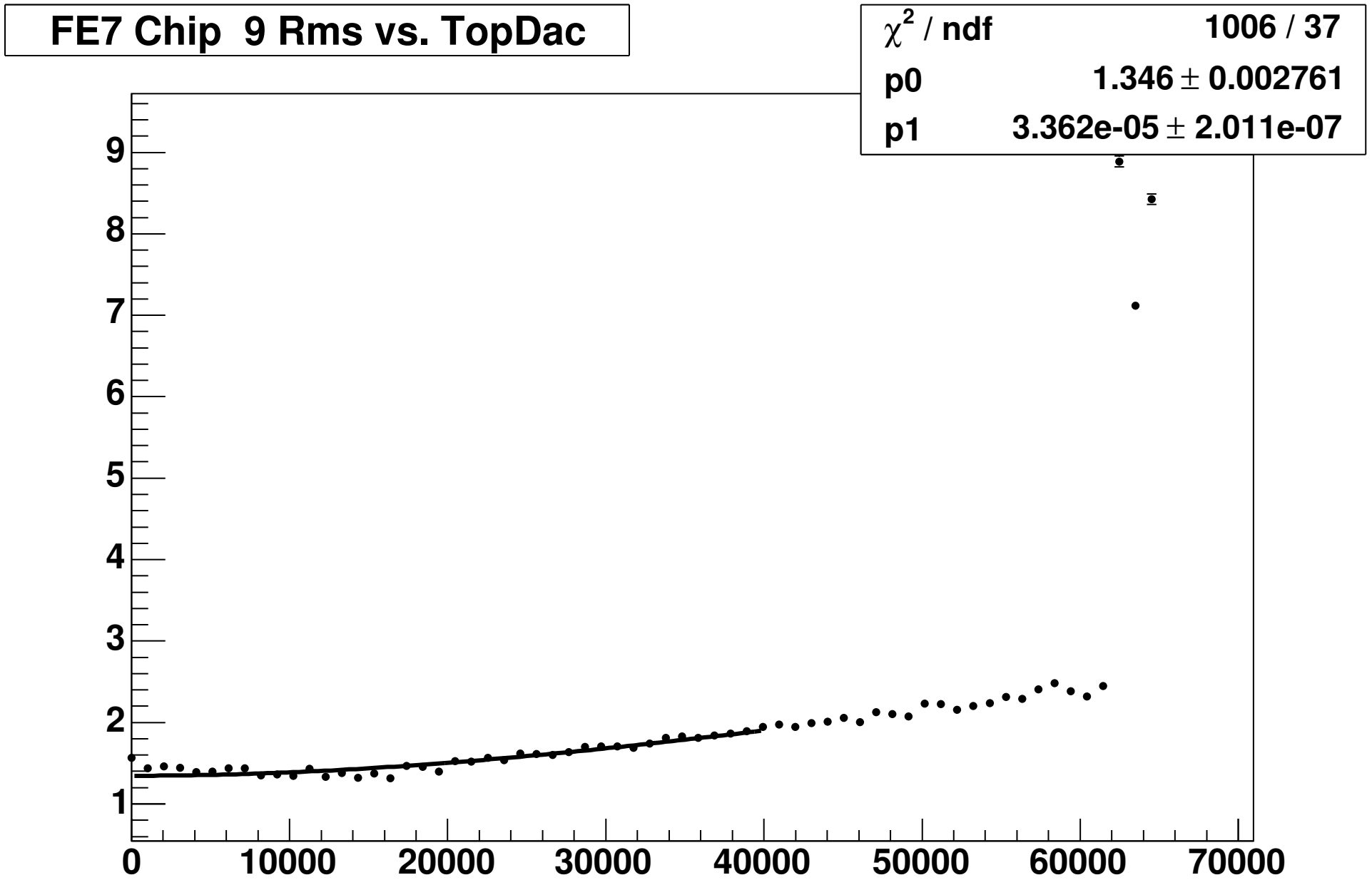

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 1.045e+05 / 37
p0 21.61 ± 0.005035
p1 0.4489 ± 2.363e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

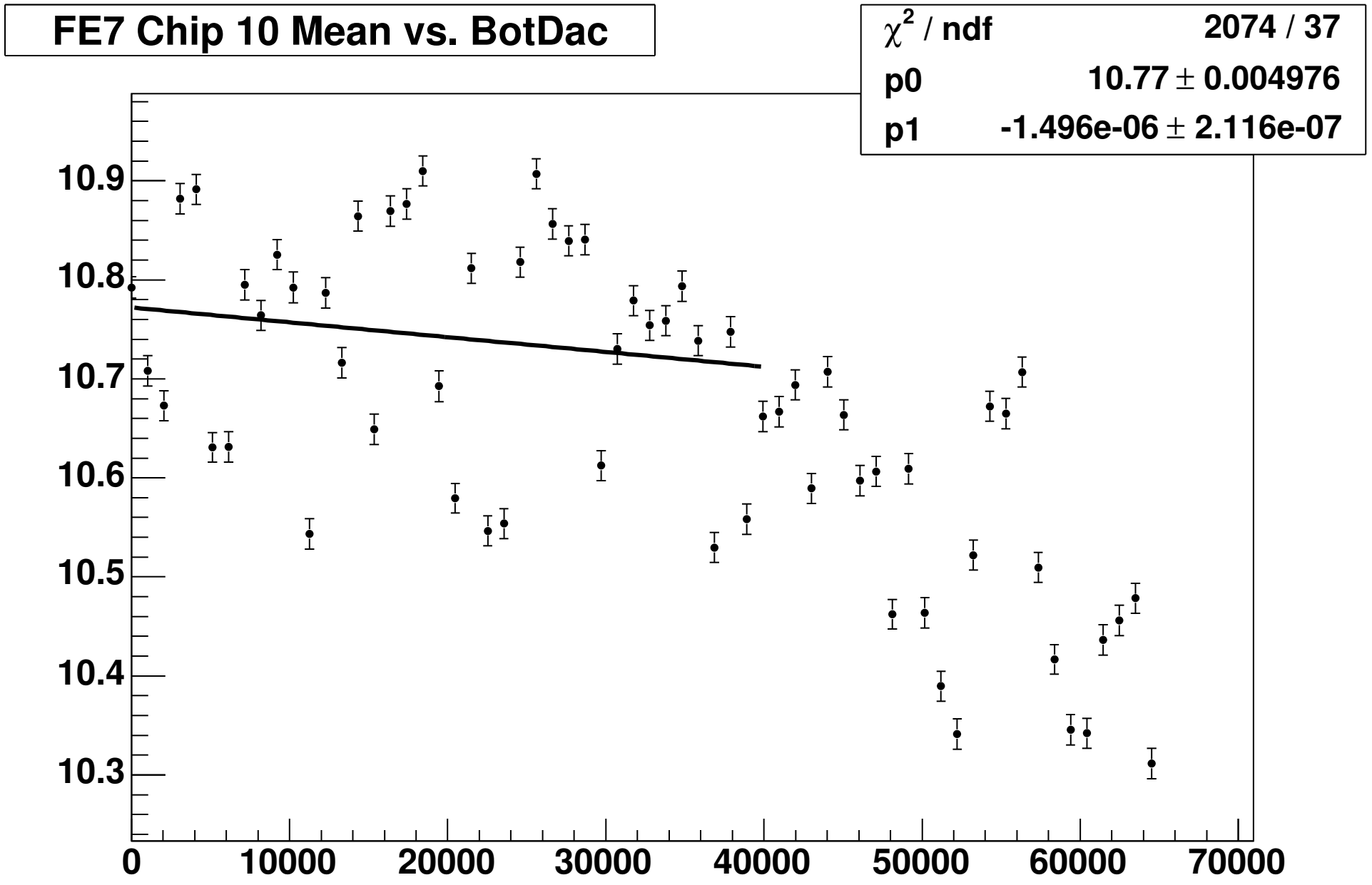

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 1585 / 37
p0 1.345 ± 0.002757
p1 3.359e-05 ± 2.006e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

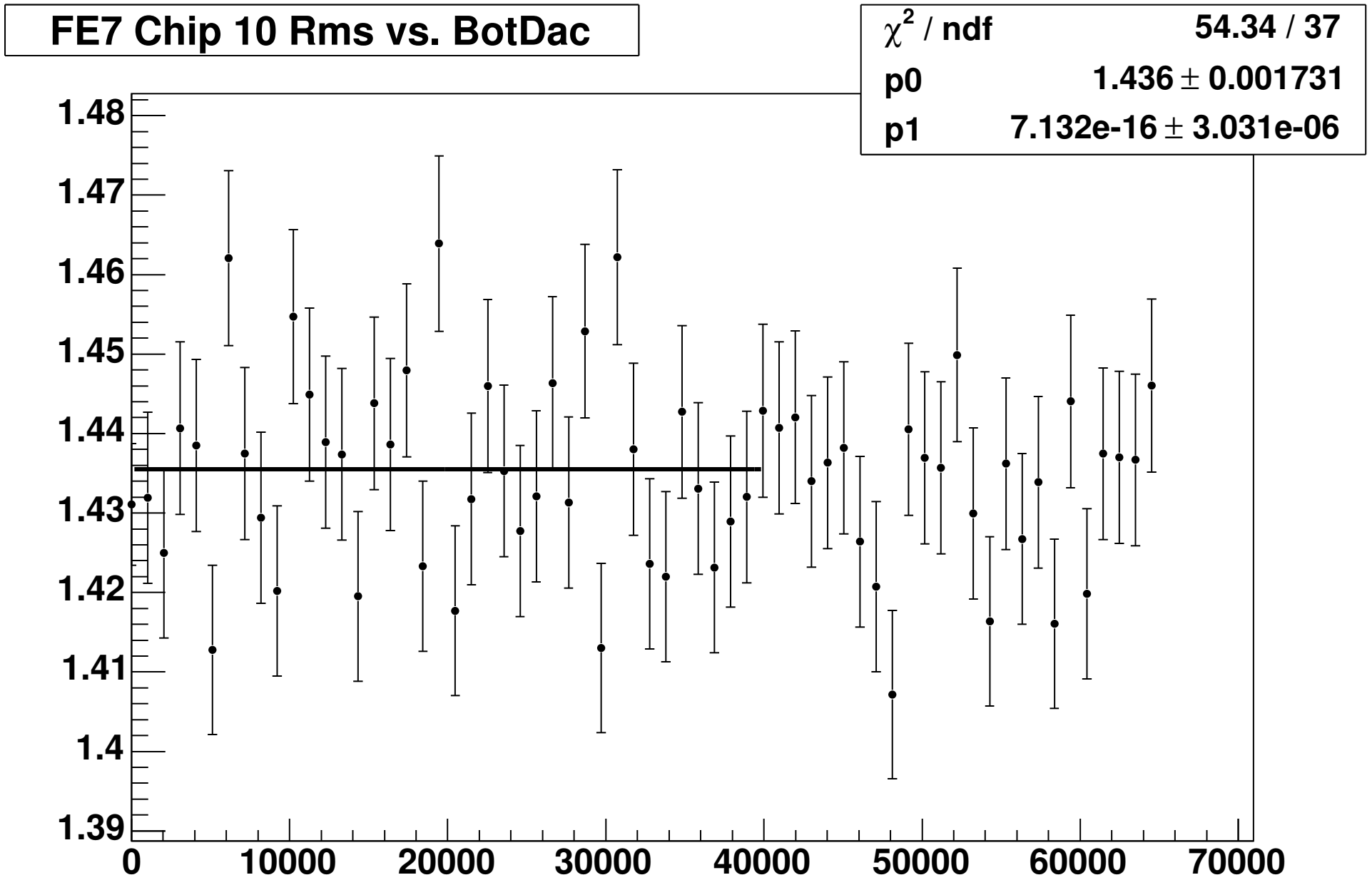

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 2120 / 37
p0 25.02 ± 0.00526
p1 -4.377e-06 ± 2.241e-07
25.2
25.1
25
24.9
24.8
24.7
24.6
24.5
0
10000
20000
30000
40000
50000
60000
70000

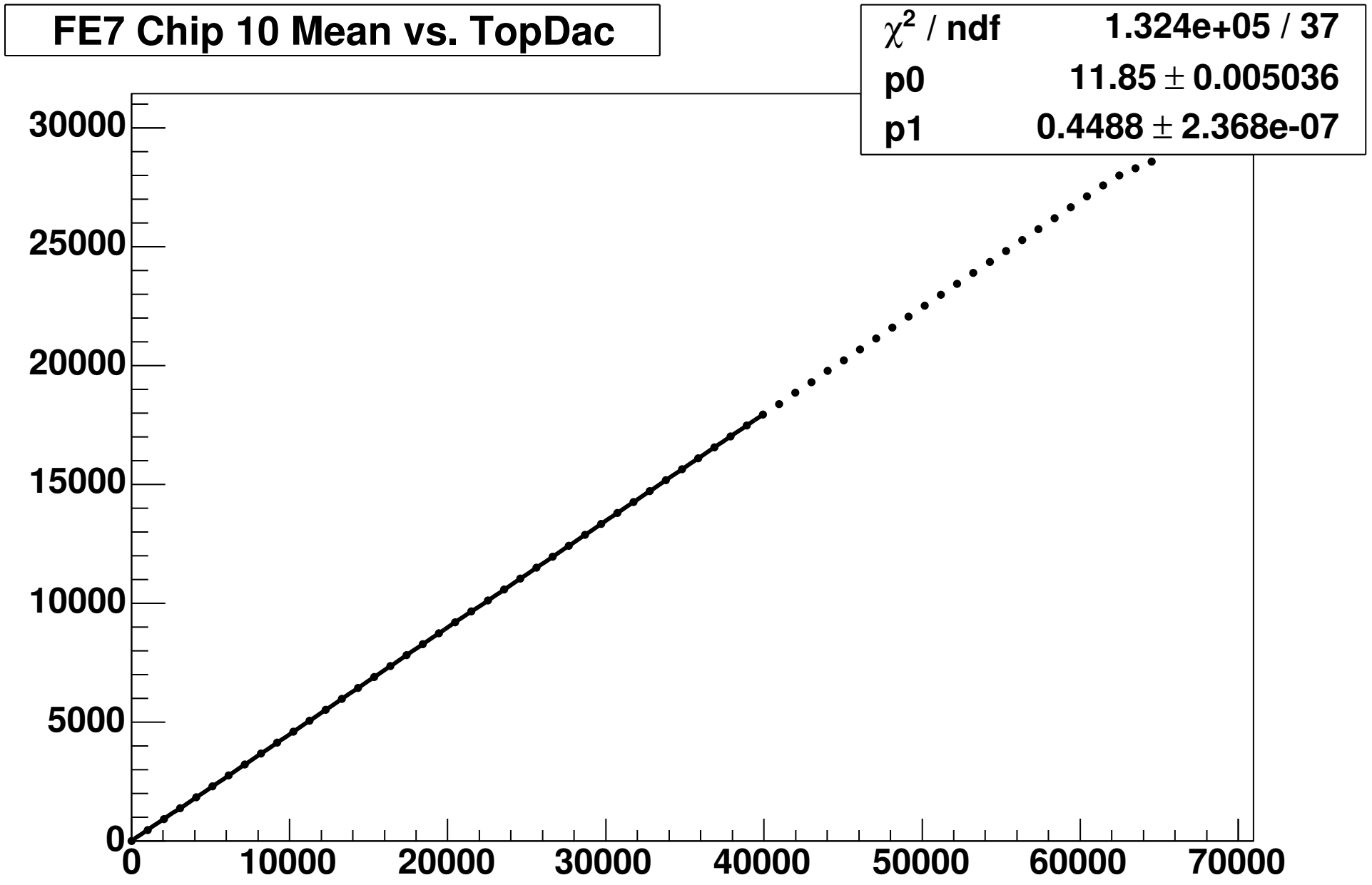

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 28.76 / 37
p0 1.517 ± 0.00277
p1 3.307e-06 ± 1.731e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

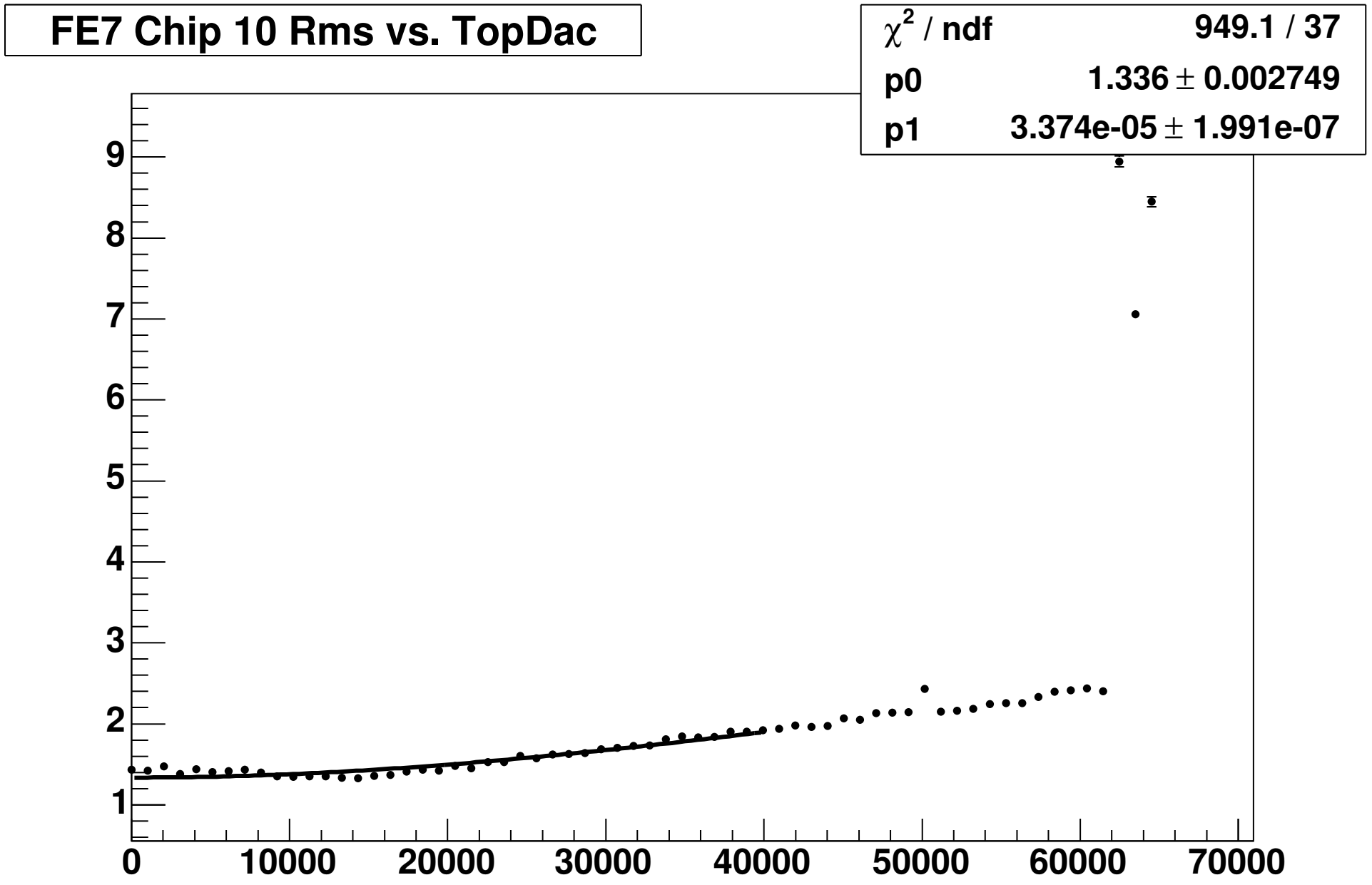

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.153e+05 / 37
p0 26.23 ± 0.00505
p1 0.4488 ± 2.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

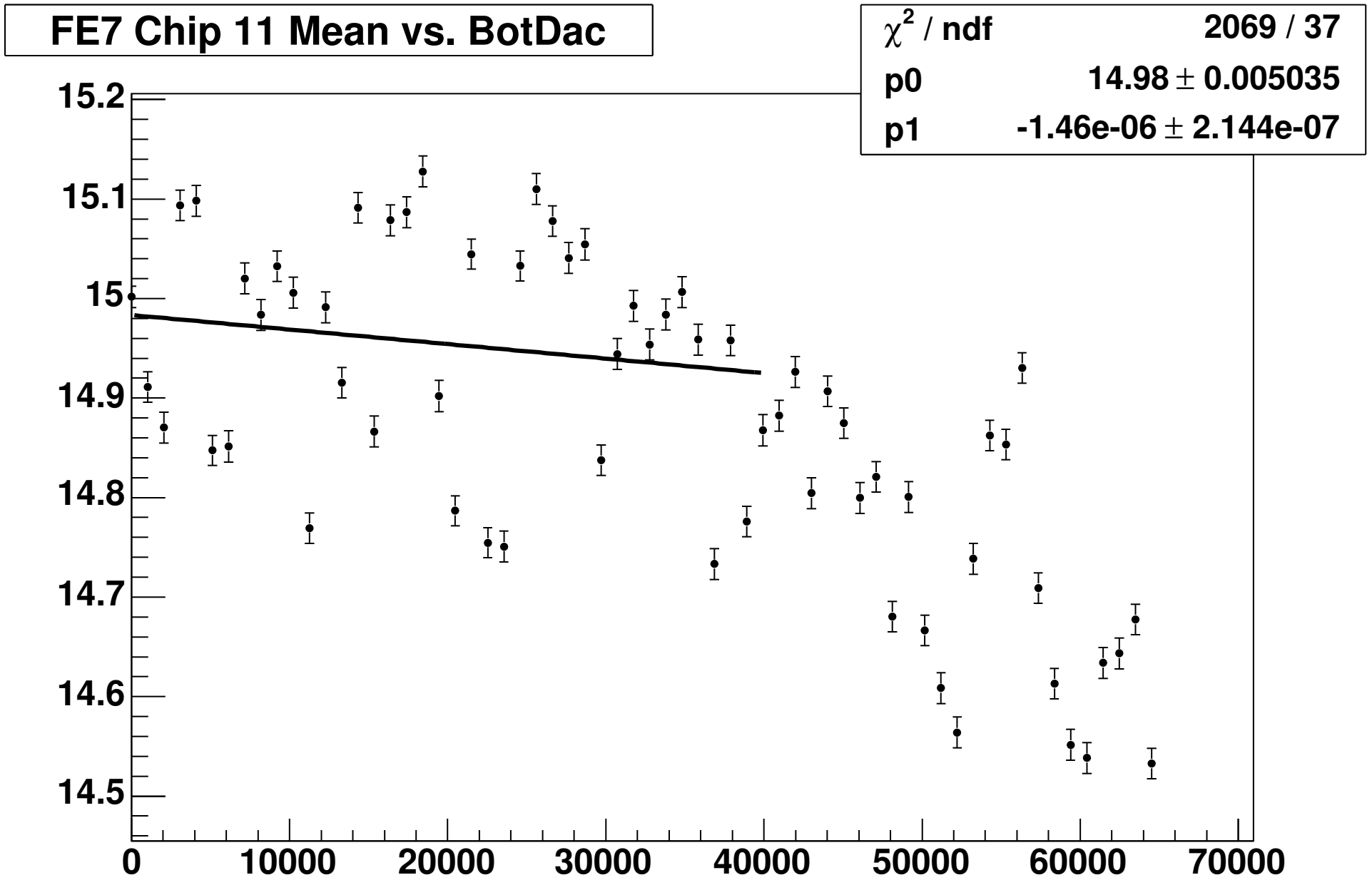

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1006 / 37
p0 1.346 ± 0.002761
p1 3.362e-05 ± 2.011e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

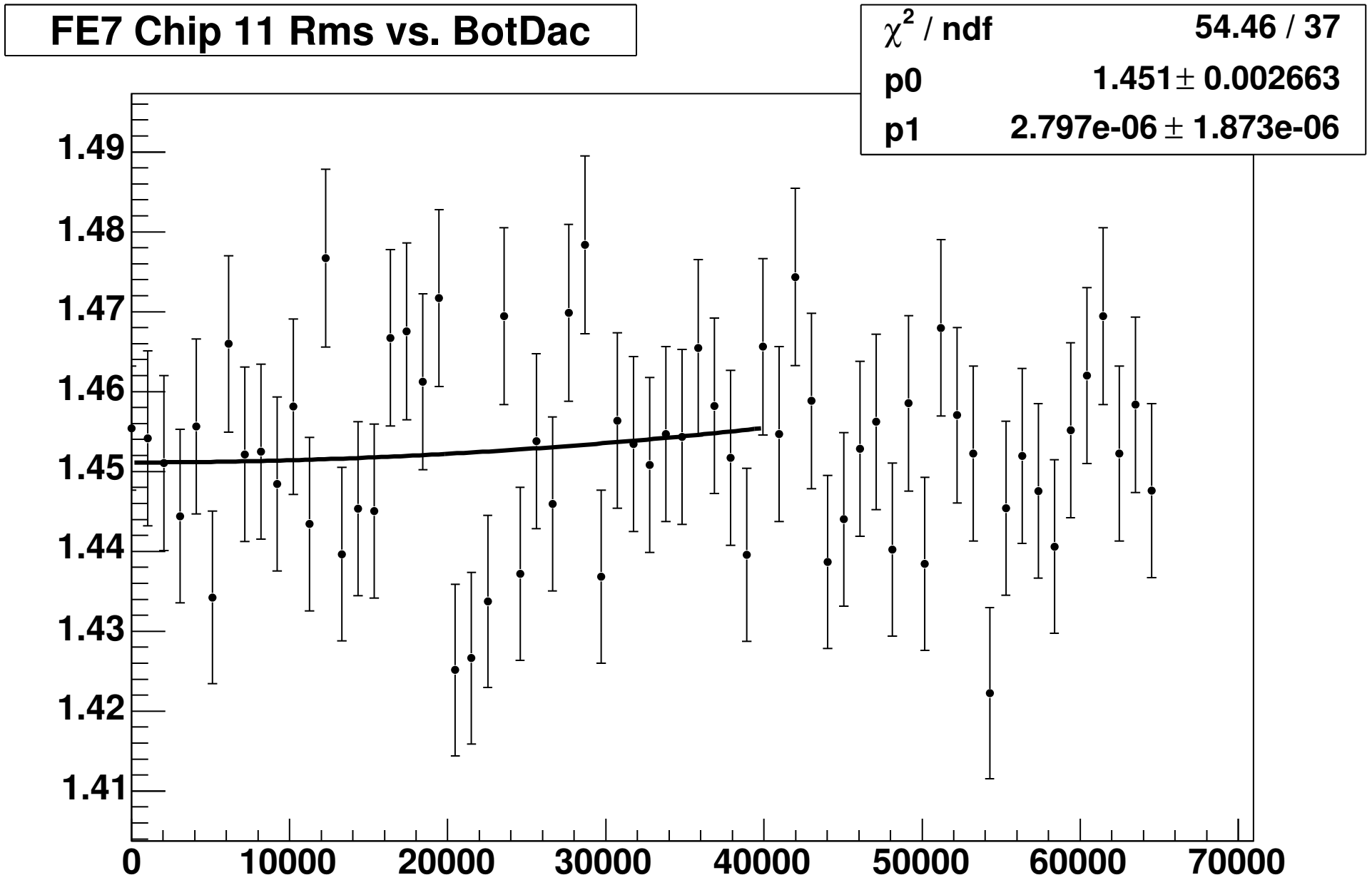

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 2074 / 37
p0 10.77 ± 0.004976
p1 -1.496e-06 ± 2.116e-07
10.9
10.8
10.7
10.6
10.5
10.4
10.3
0
10000
20000
30000
40000
50000
60000
70000

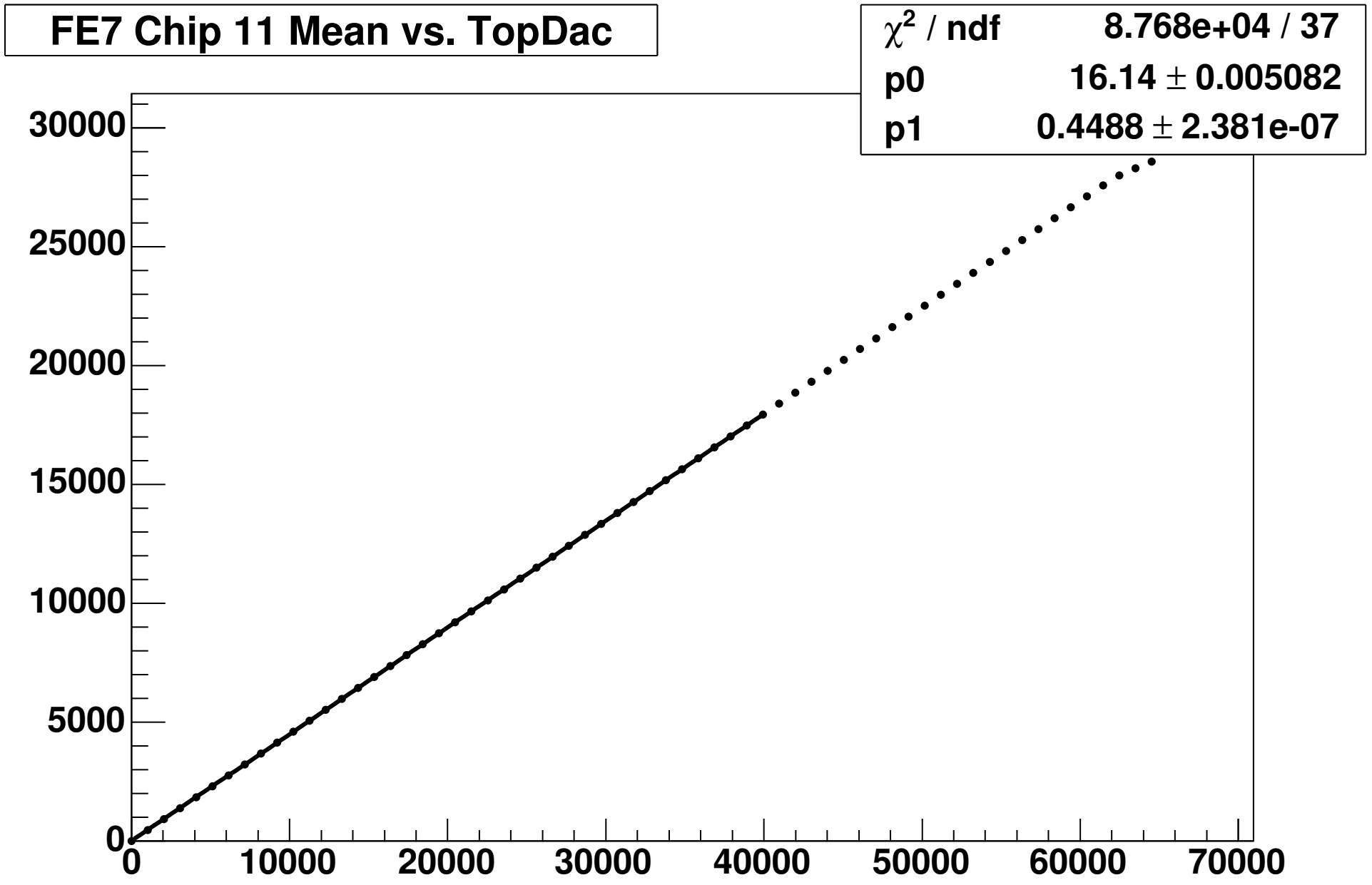

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 54.34 / 37
p0 1.436 ± 0.001731
p1 7.132e-16 ± 3.031e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000

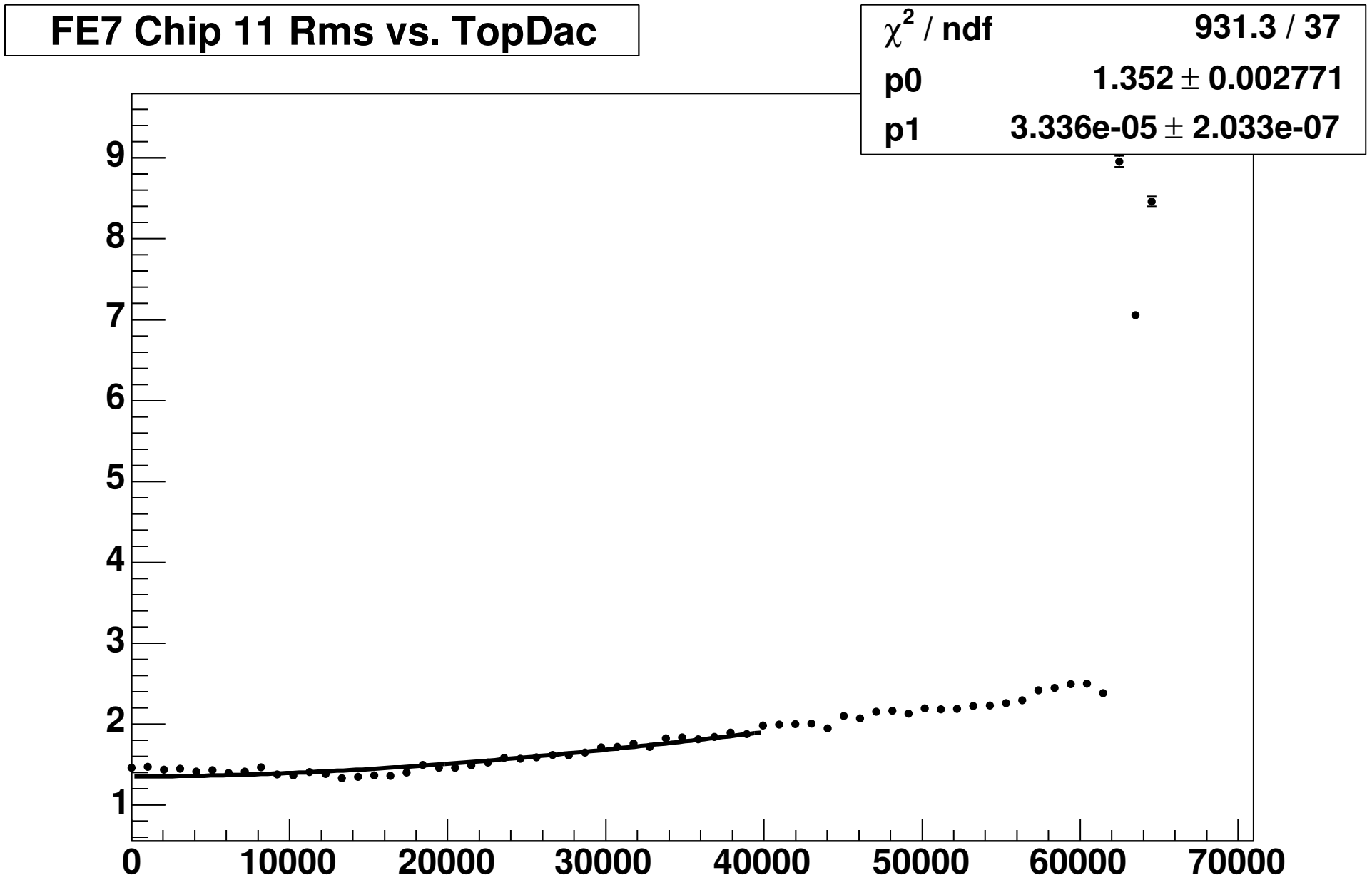

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.324e+05 / 37
p0 11.85 ± 0.005036
p1 0.4488 ± 2.368e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

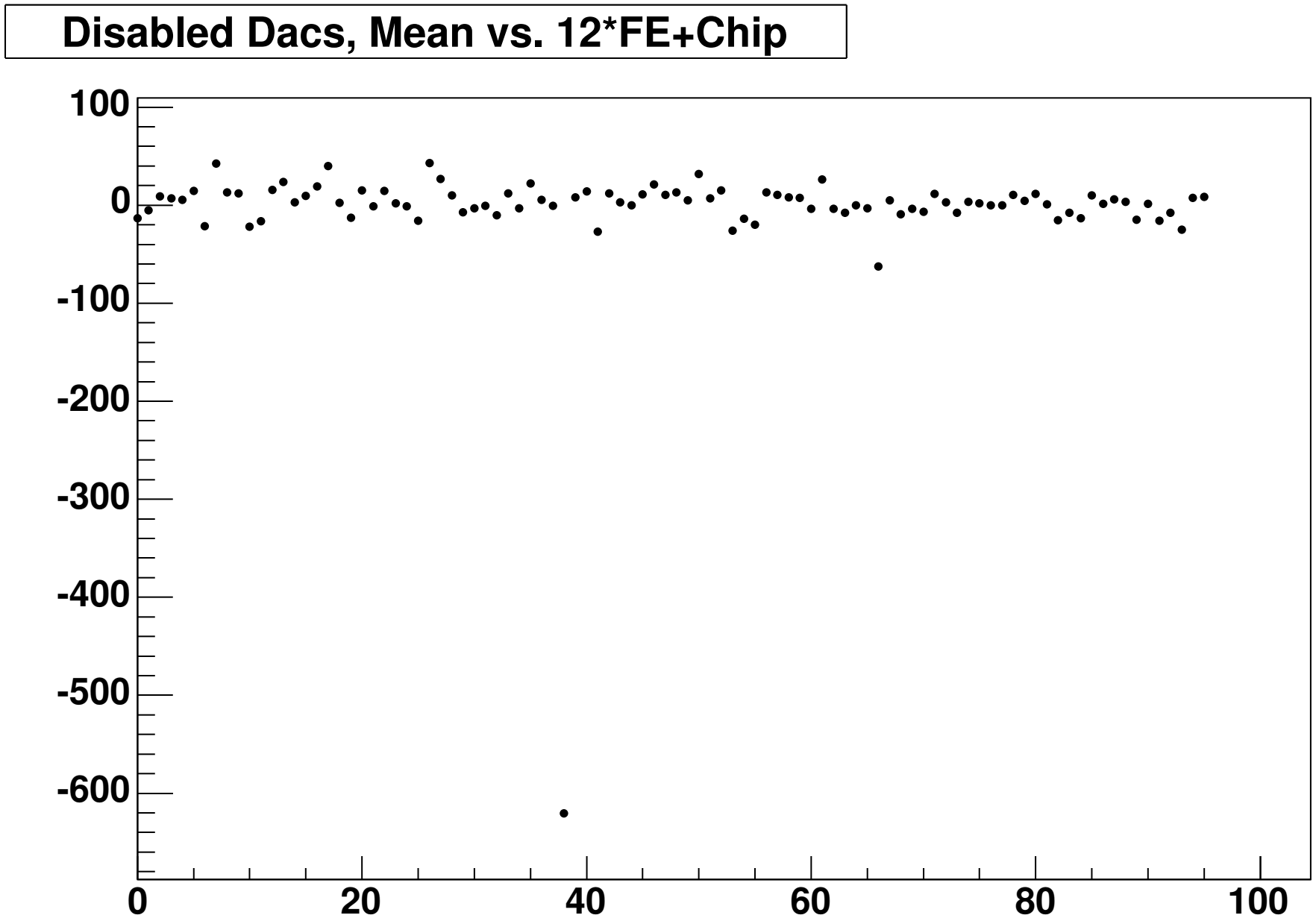

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 949.1 / 37
p0 1.336 ± 0.002749
p1 3.374e-05 ± 1.991e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

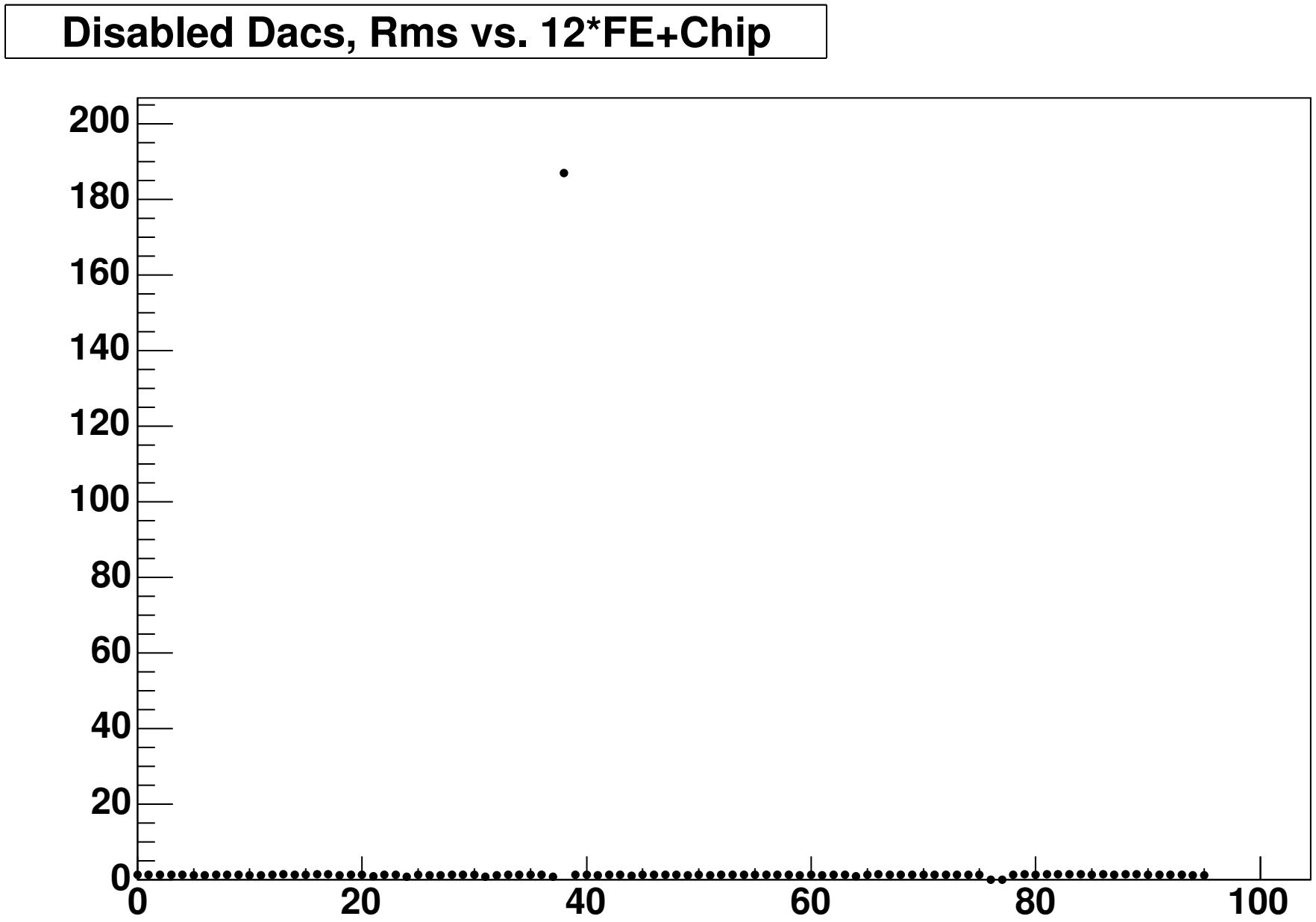

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 2069 / 37
p0 14.98 ± 0.005035
p1 -1.46e-06 ± 2.144e-07
15.2
15.1
15
14.9
14.8
14.7
14.6
14.5
0
10000
20000
30000
40000
50000
60000
70000

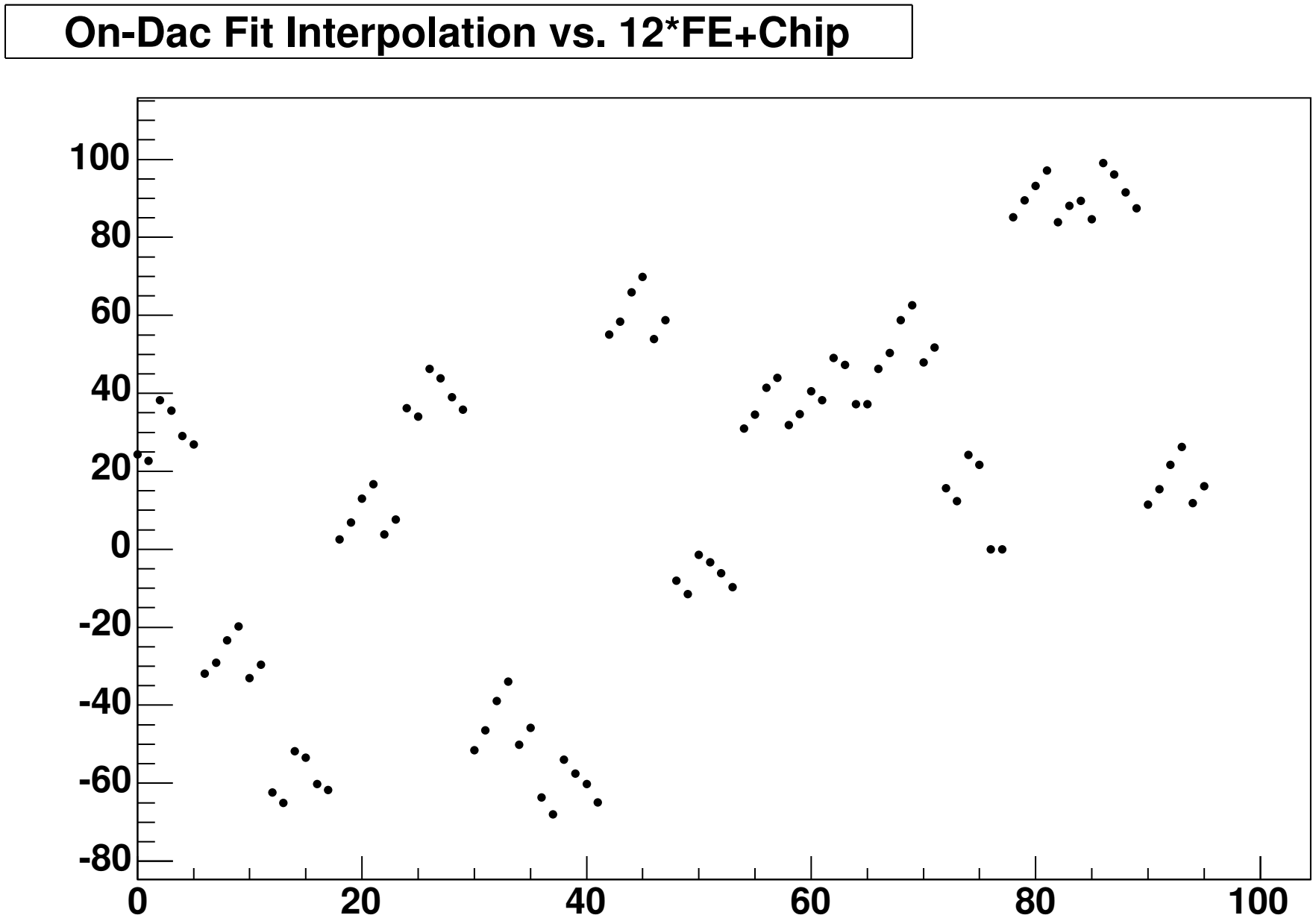

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 54.46 / 37
p0 1.451 ± 0.002663
p1 2.797e-06 ± 1.873e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

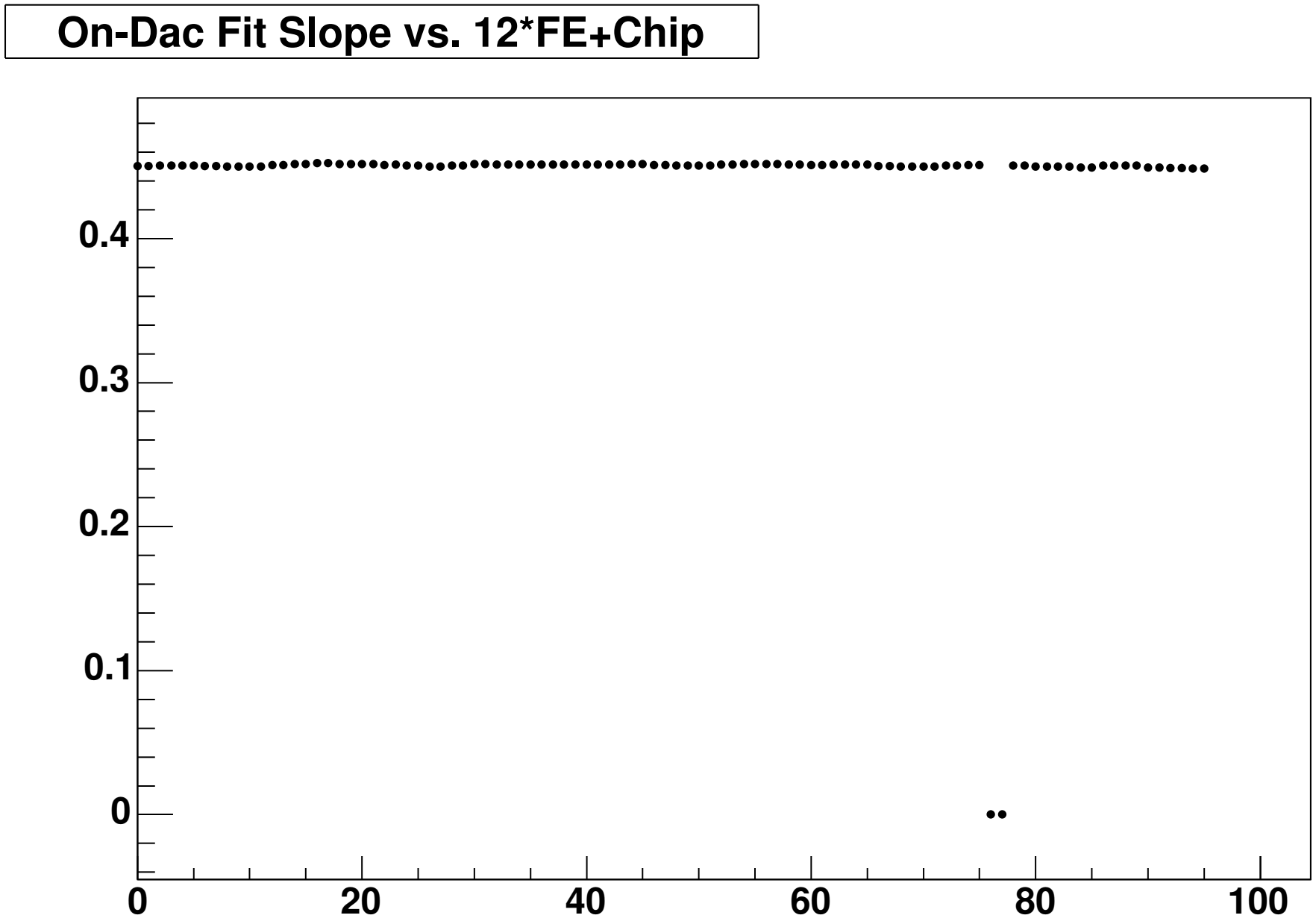

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 8.768e+04 / 37
p0 16.14 ± 0.005082
p1 0.4488 ± 2.381e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

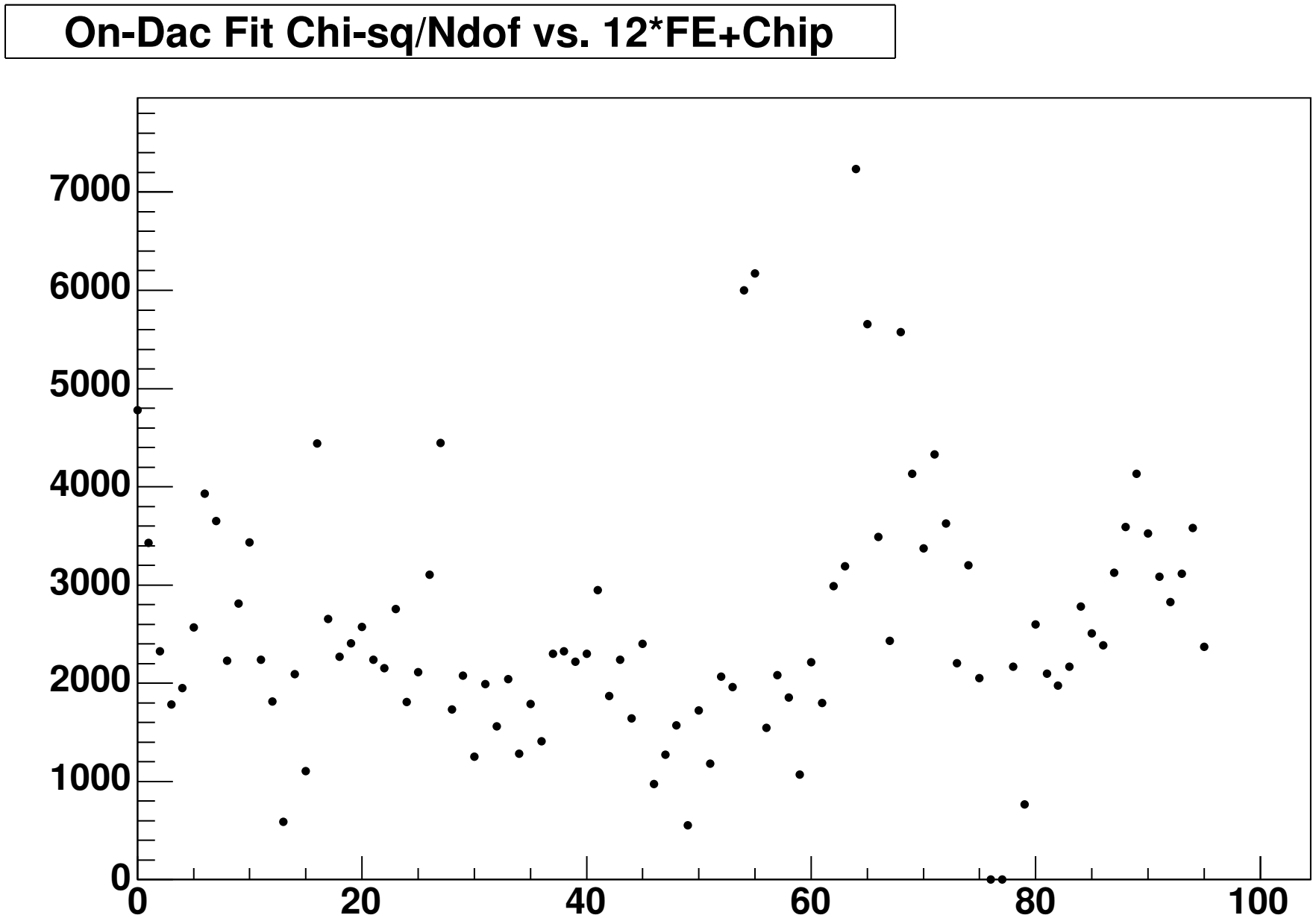

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 931.3 / 37
p0 1.352 ± 0.002771
p1 3.336e-05 ± 2.033e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000
70000

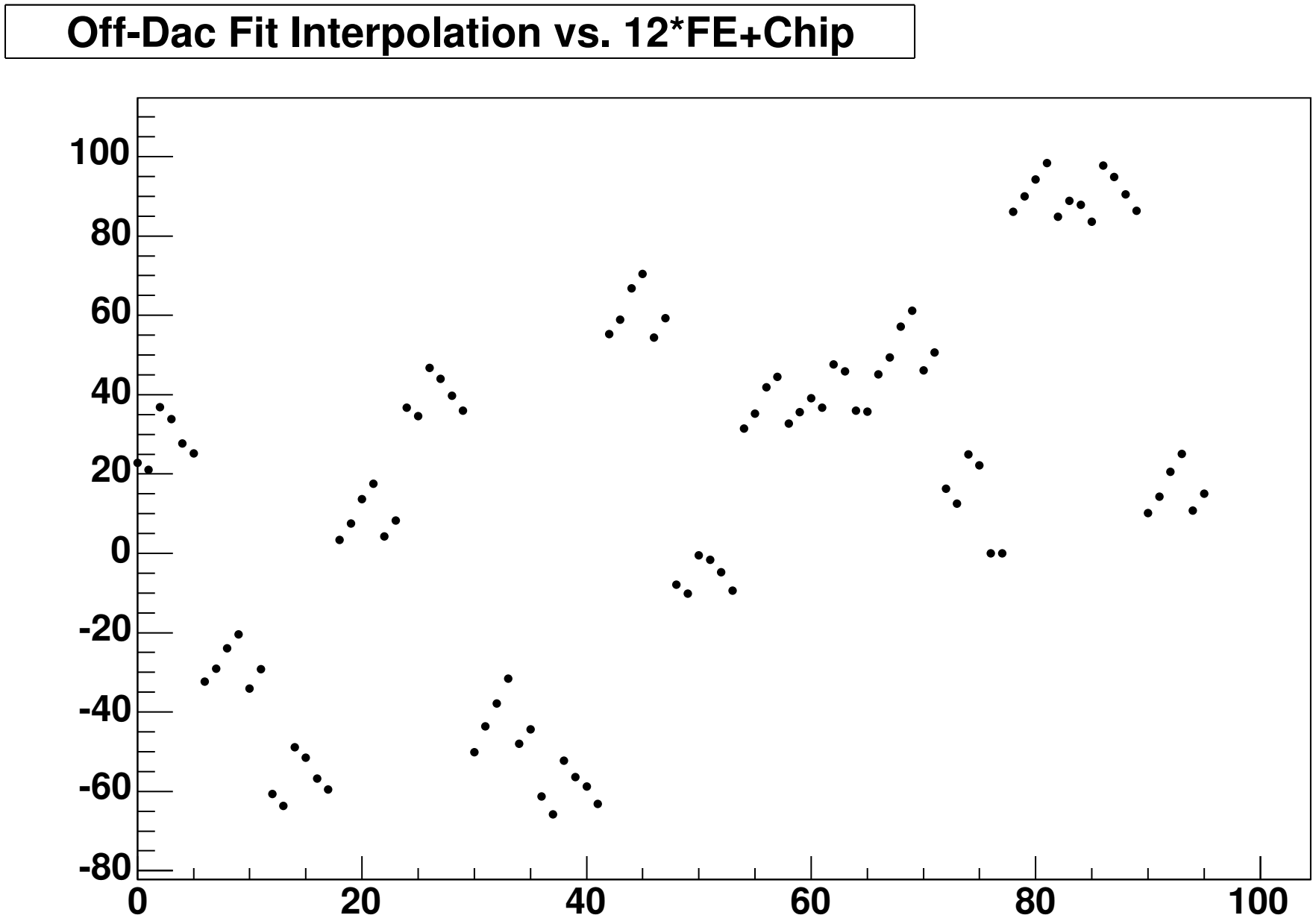

Disabled Dacs, Mean vs. 12*FE+Chip
100
0
-100
-200
-300
-400
-500
-600
0
20
40
60
80
100

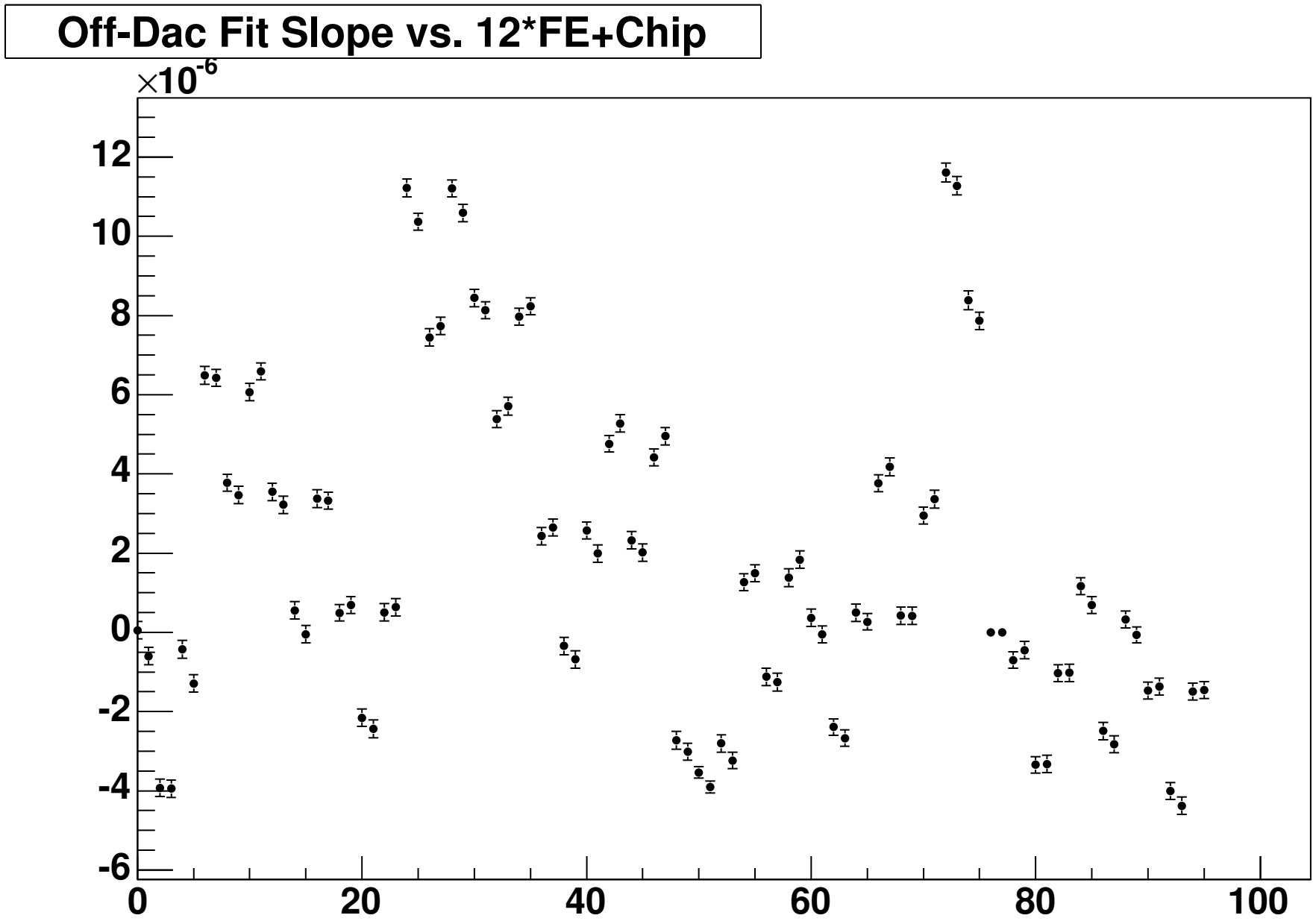

Disabled Dacs, Rms vs. 12*FE+Chip
200
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

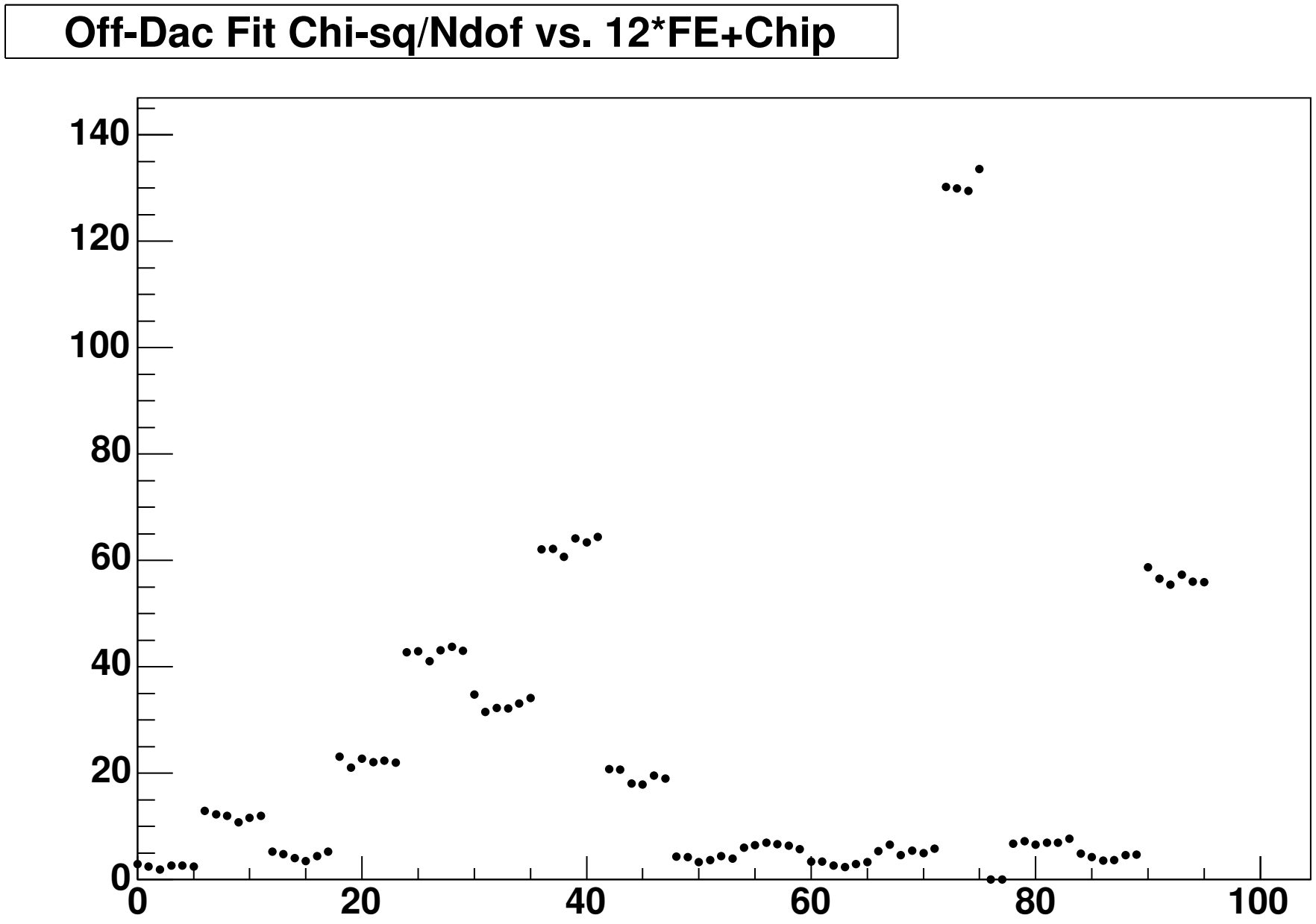

On-Dac Fit Interpolation vs. 12*FE+Chip
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

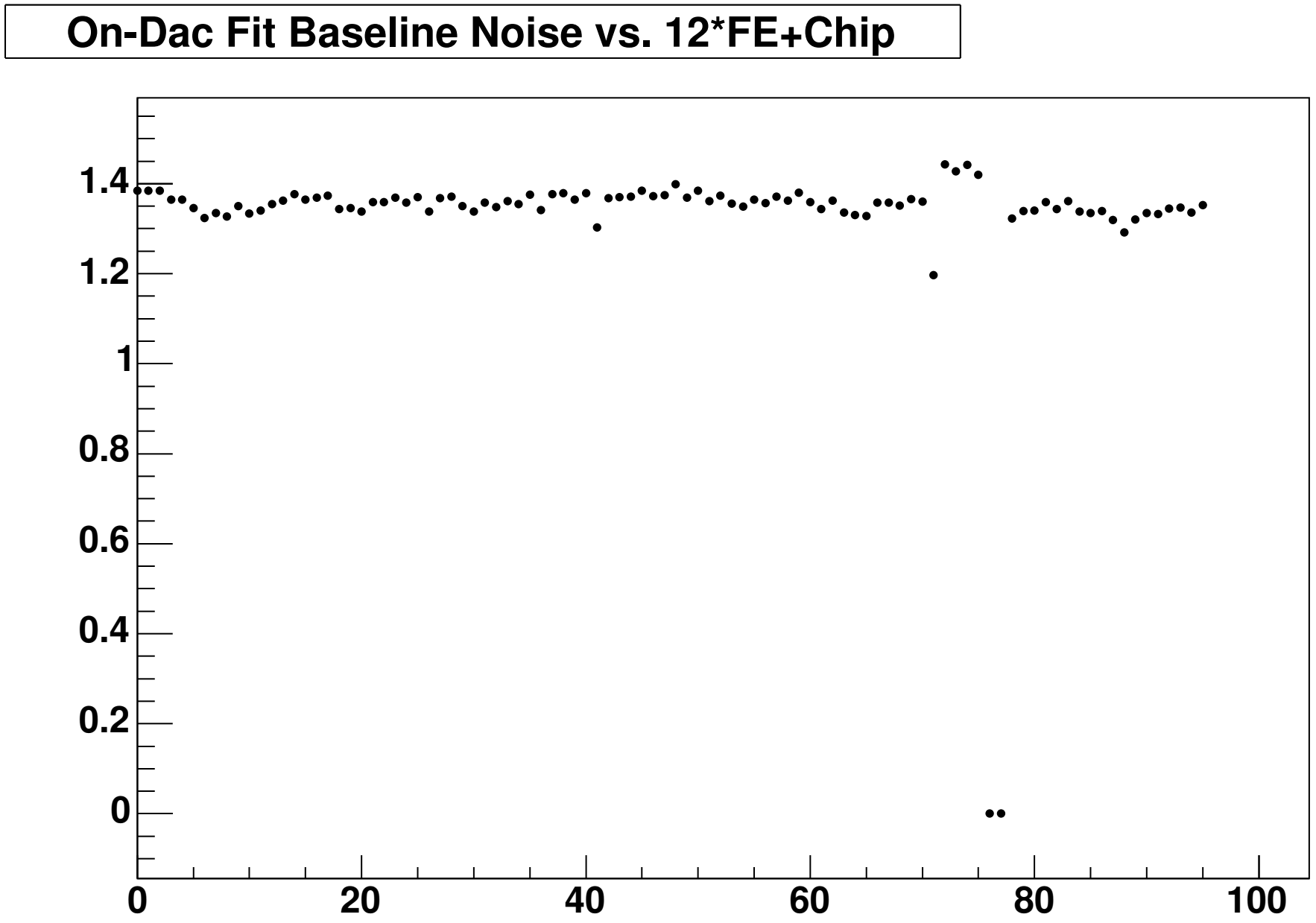

On-Dac Fit Slope vs. 12*FE+Chip
0.4
0.3
0.2
0.1
0
0
20
40
60
80
100

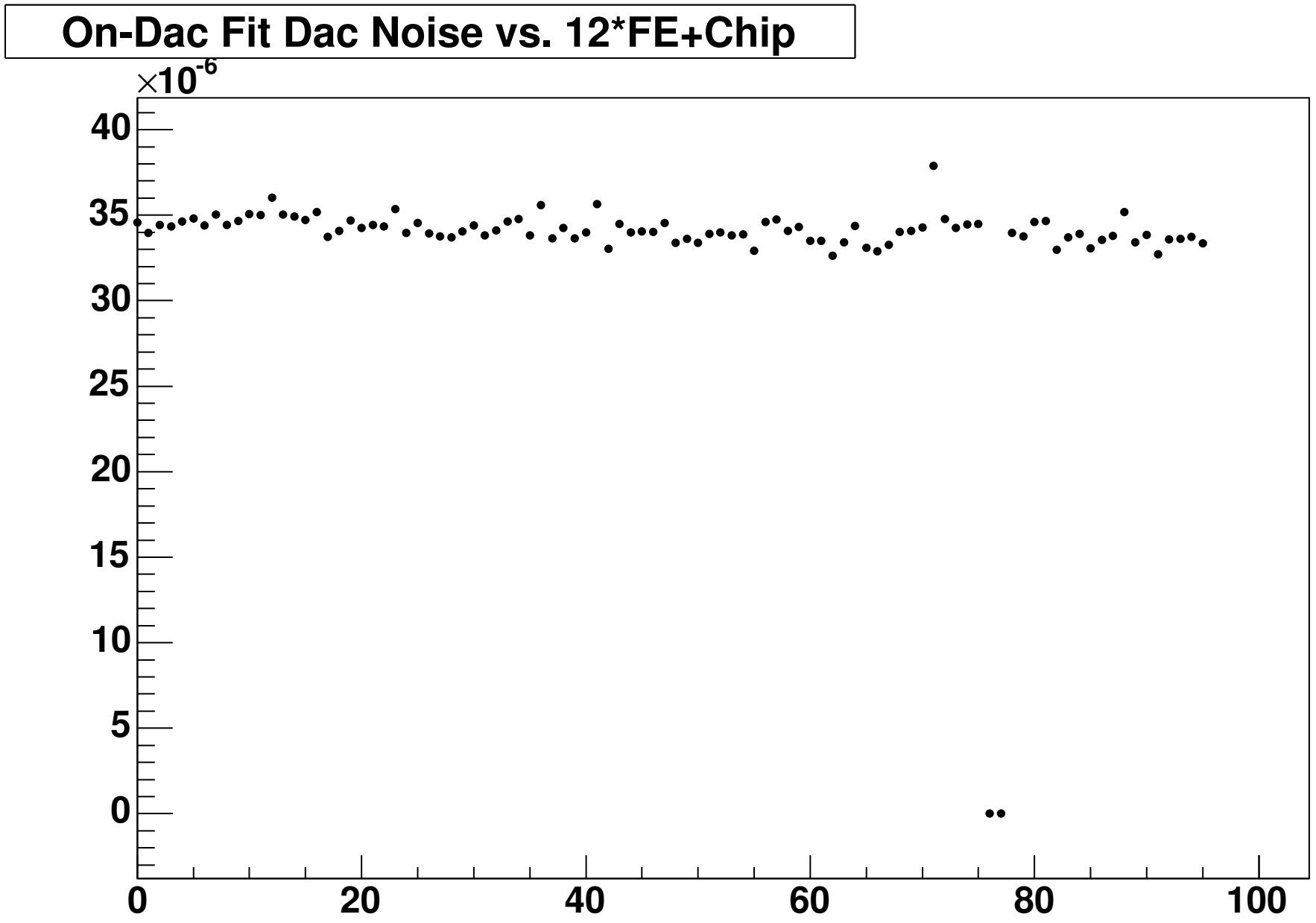

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

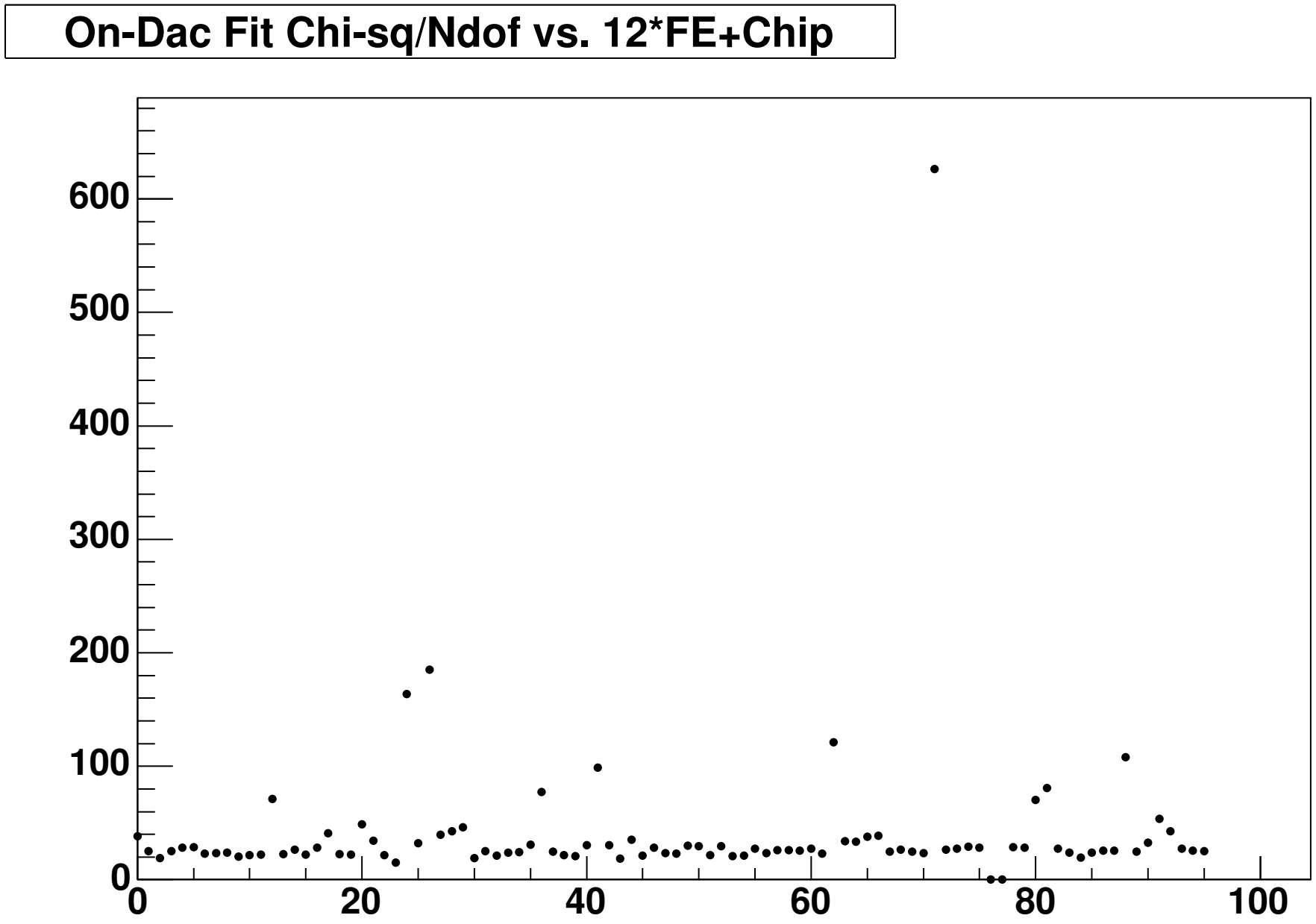

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

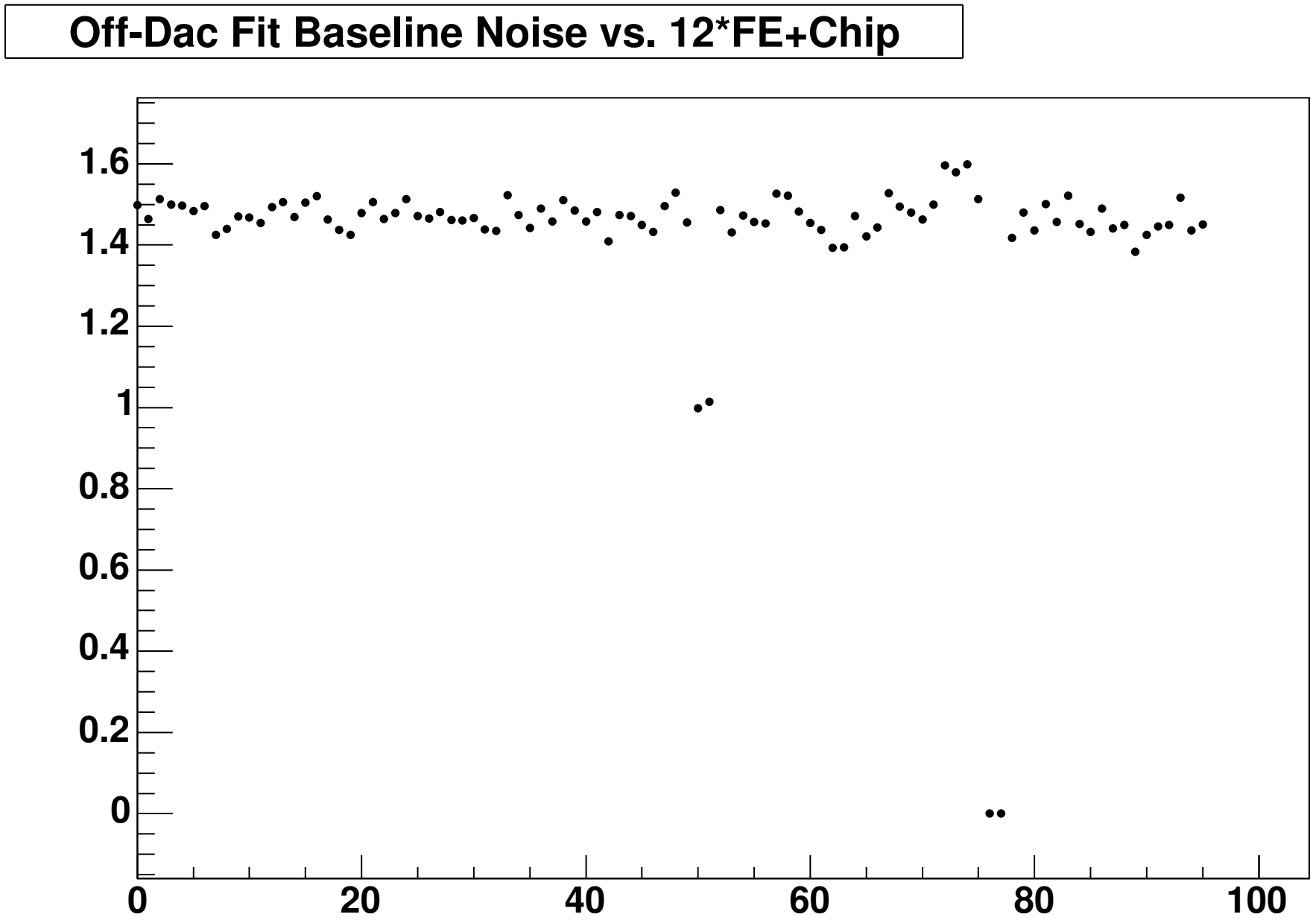

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
12
10
8
6
4
2
0
-2
-4
-6
0
20
40
60
80
100

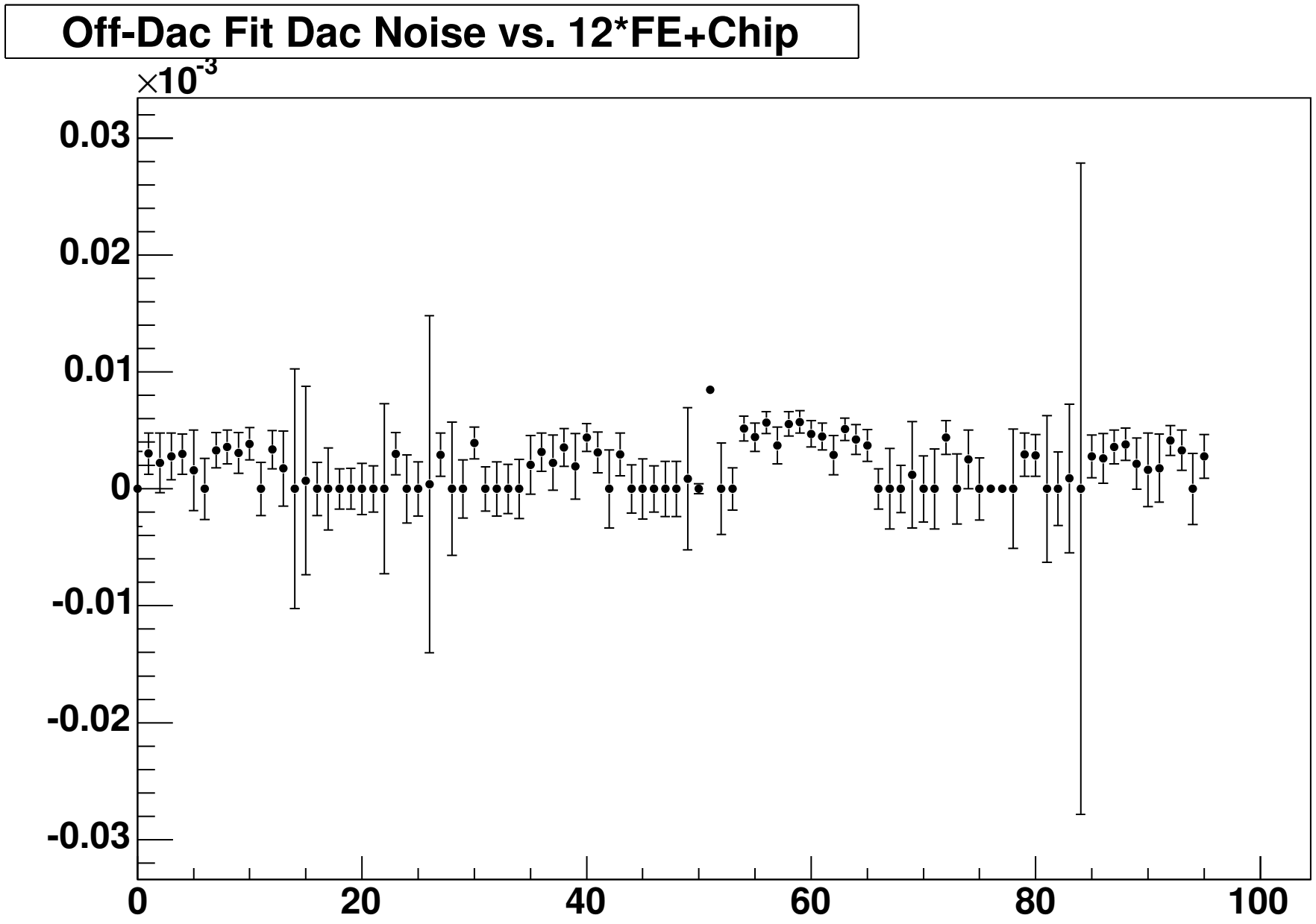

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
140
120
100
80
60
40
20
0
0
20
40
60
80
100

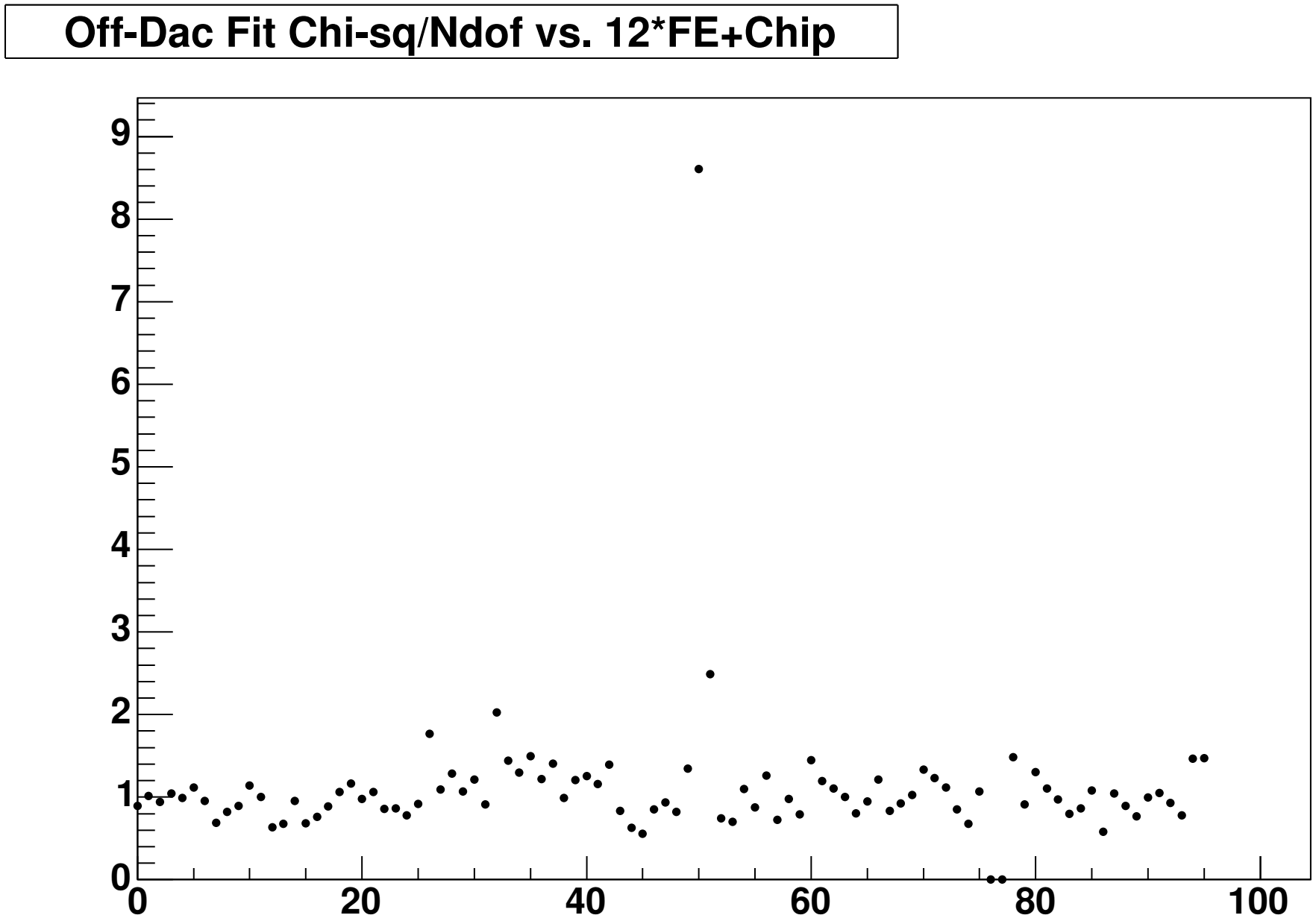

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100

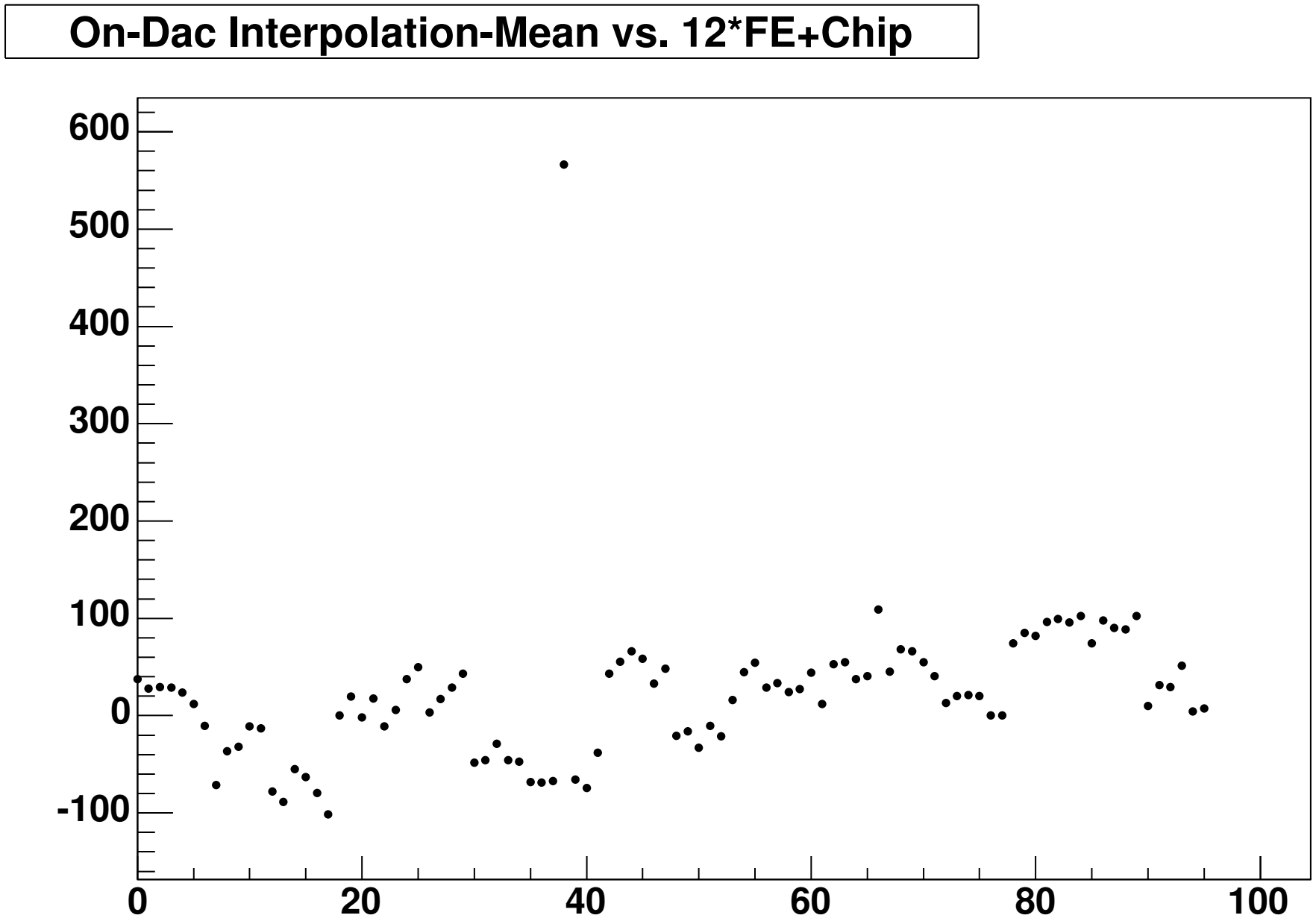

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100

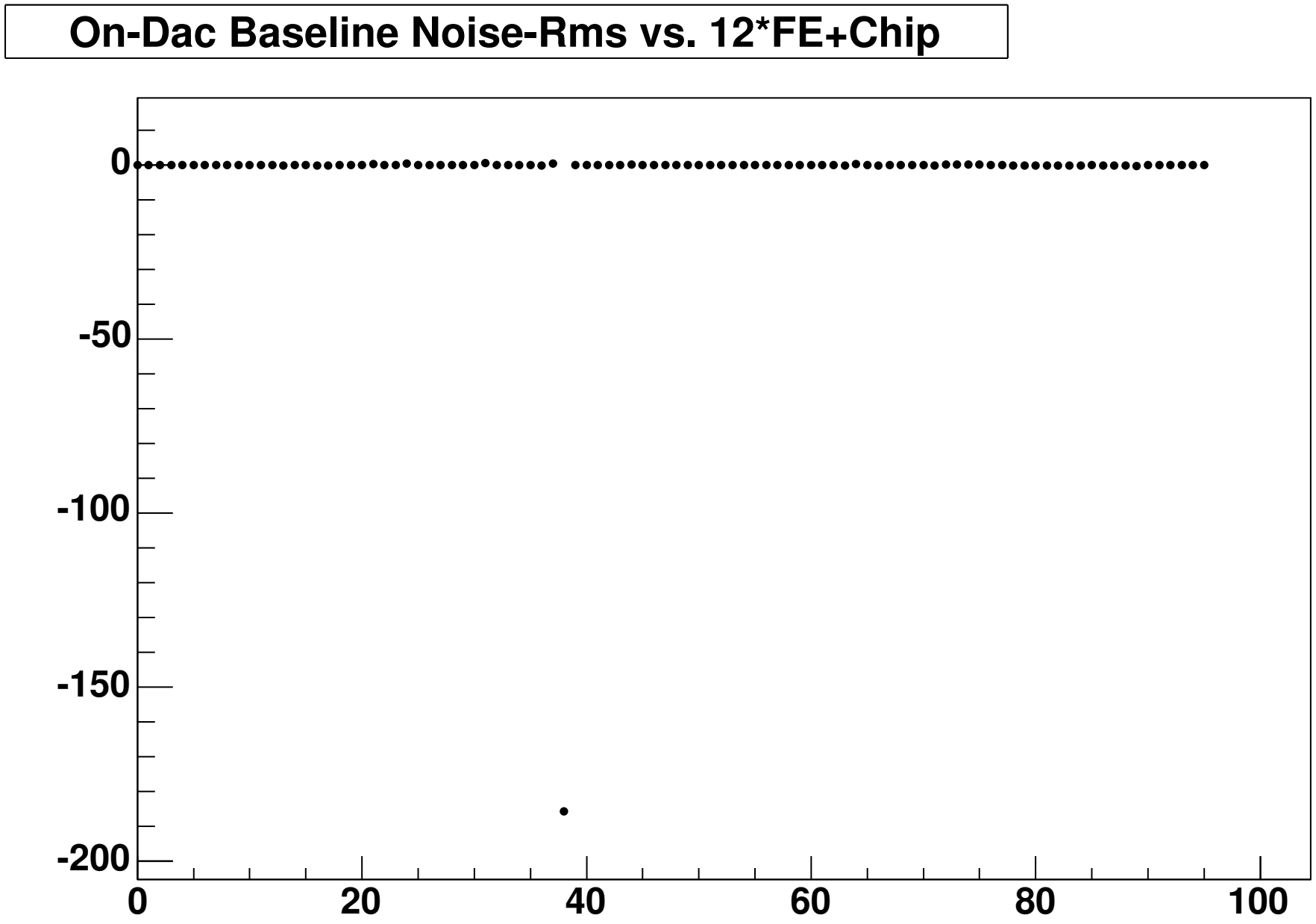

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
600
500
400
300
200
100
0
0
20
40
60
80
100

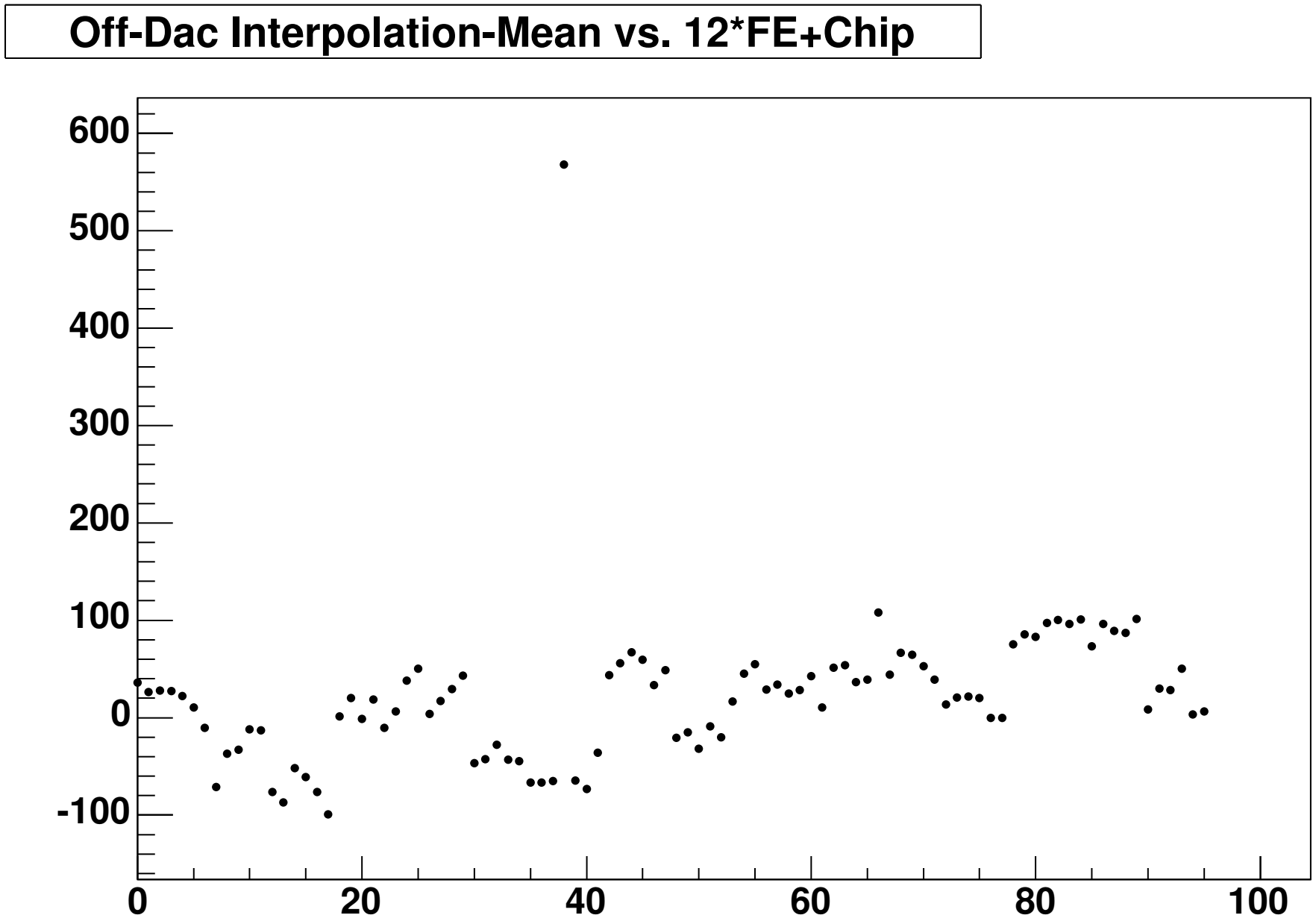

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
20
40
60
80
100

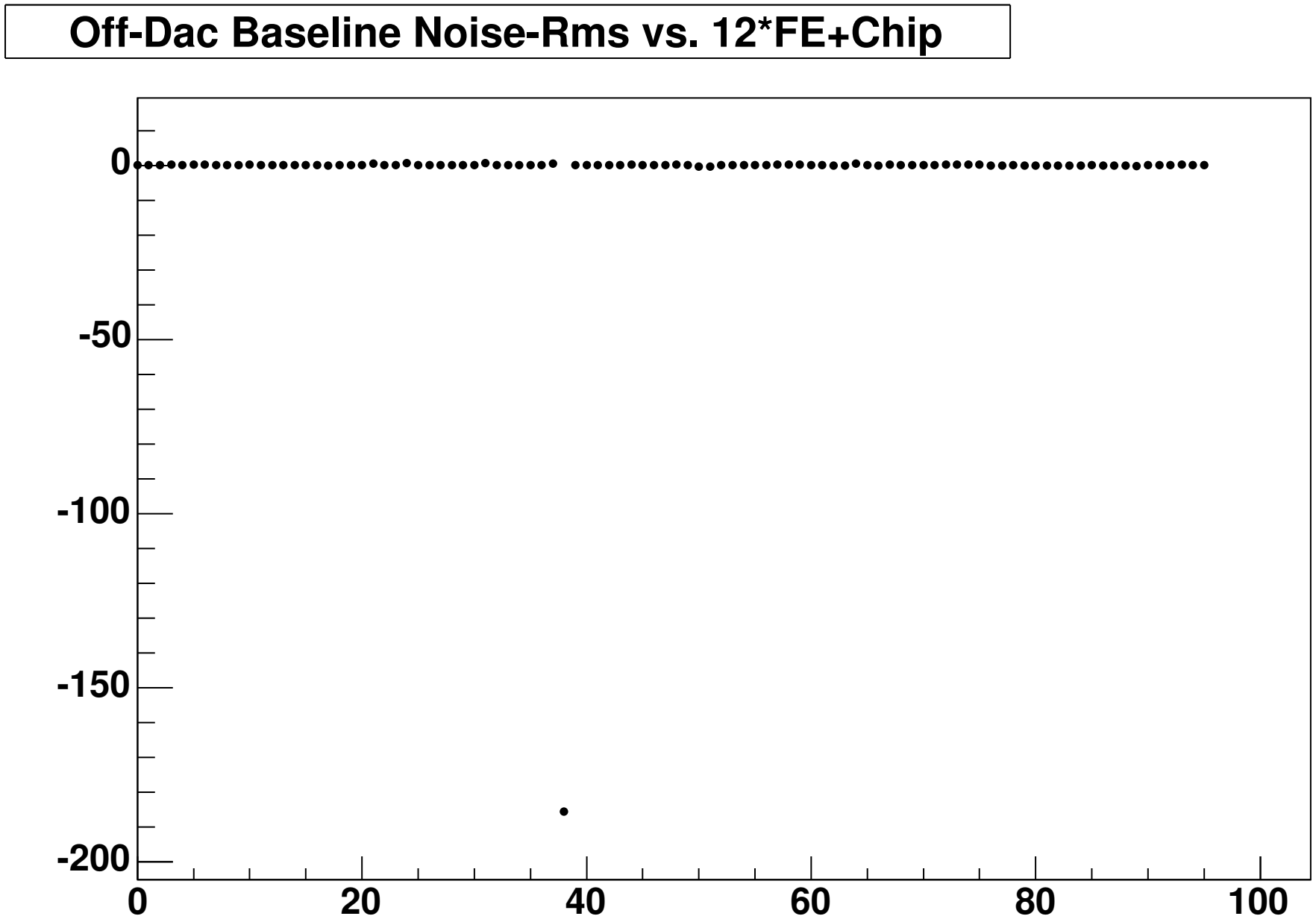

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0
1
2
3
4
5
6
7
8
9
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
600
500
400
300
200
100
0
-100
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-50
-100
-150
-200
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
600
500
400
300
200
100
0
-100
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-50
-100
-150
-200
0
20
40
60
80
100