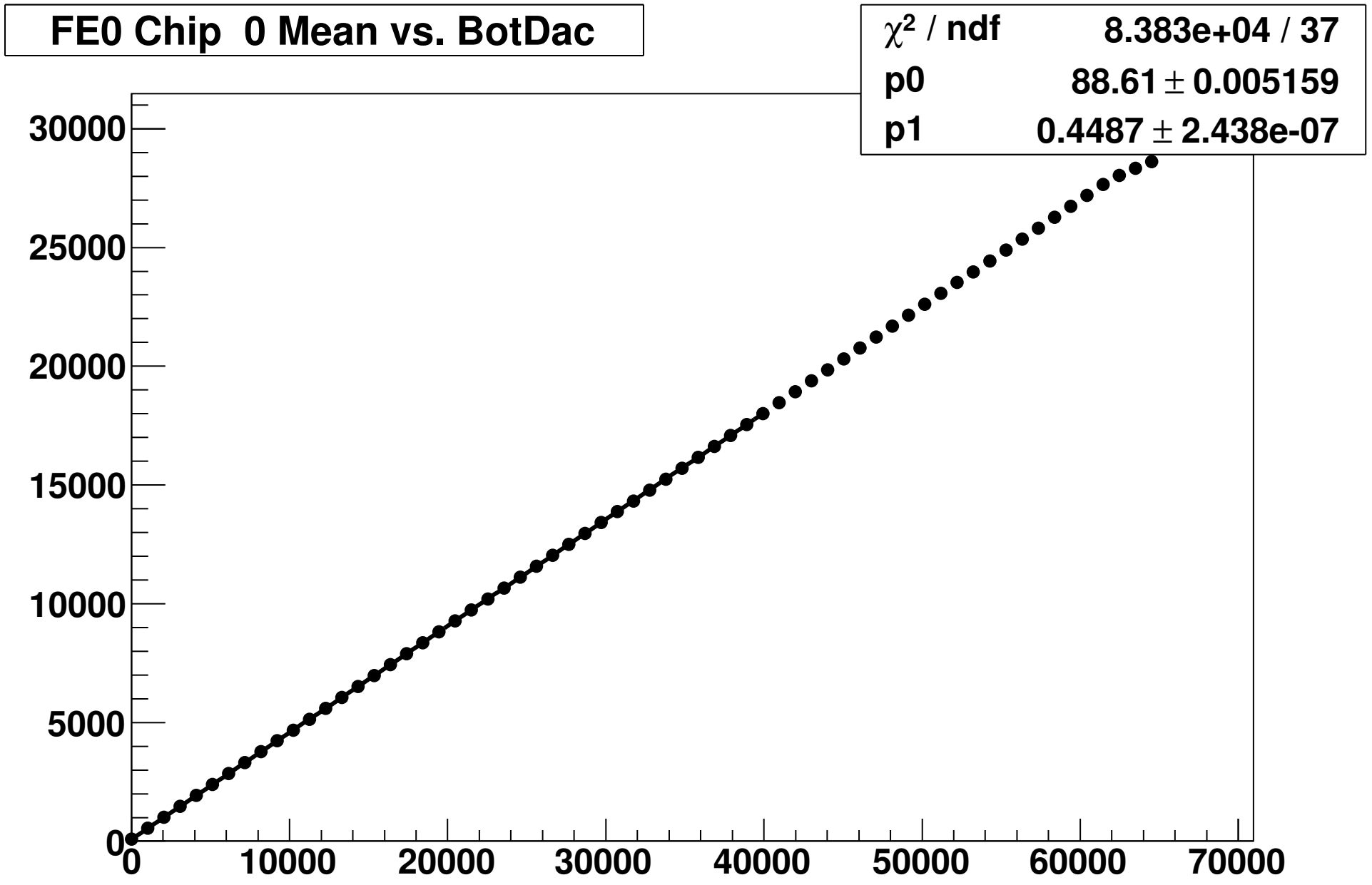
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 8.383e+04 / 37
p0 88.61 ± 0.005159
p1 0.4487 ± 2.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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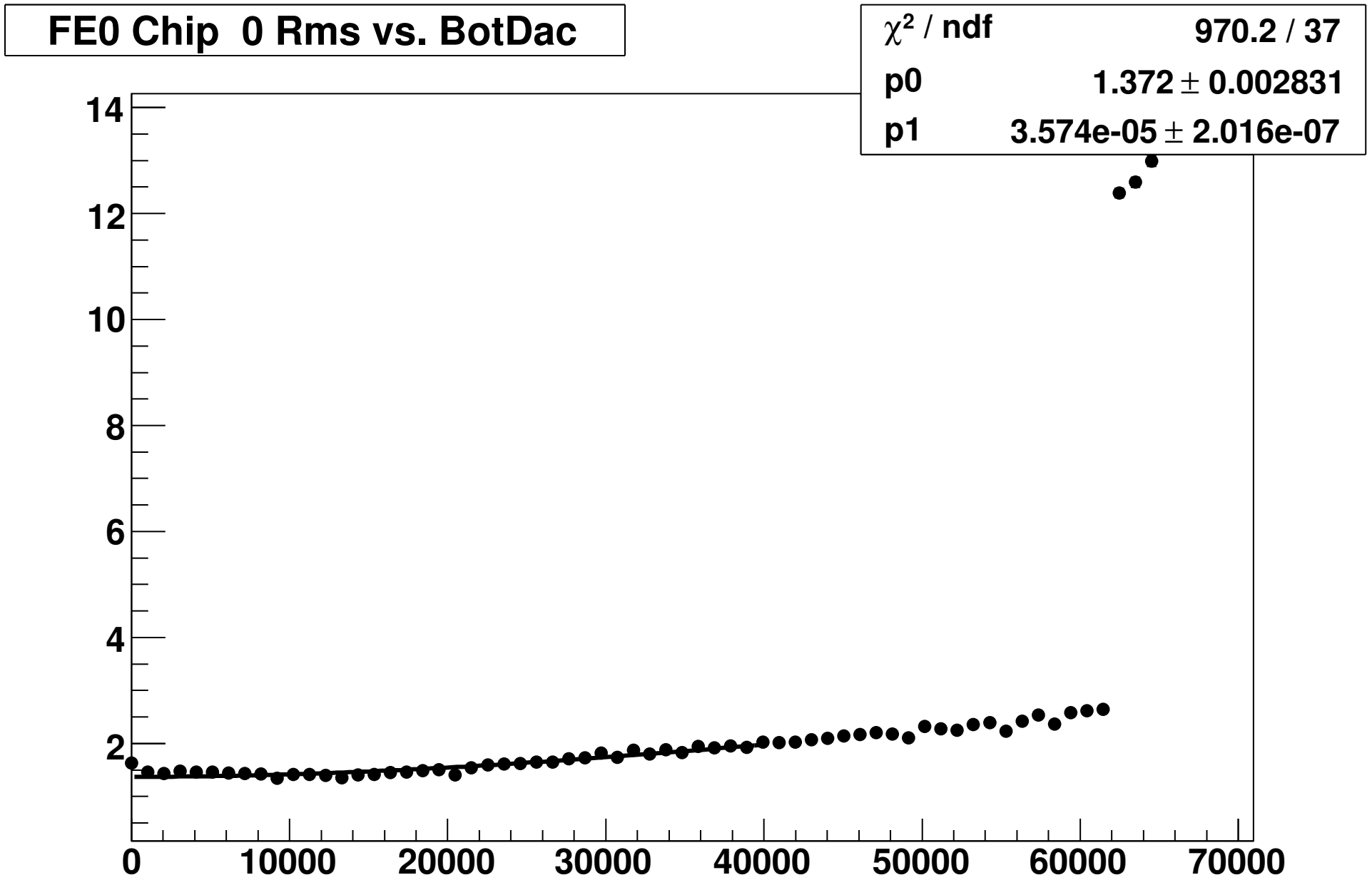
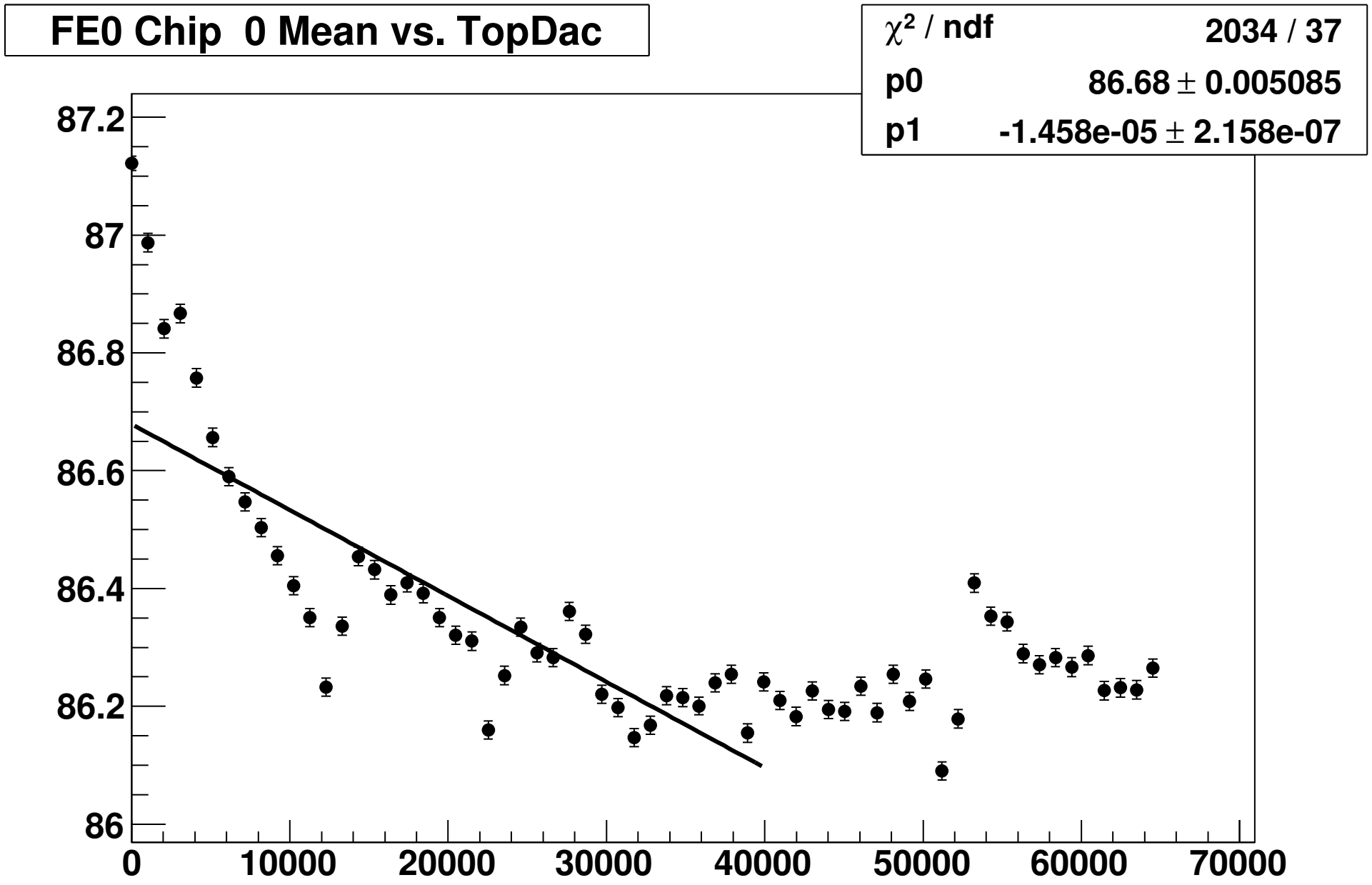

FE0 Chip 0 Rms vs. BotDac
χ² / ndf 970.2 / 37
p0 1.372 ± 0.002831
p1 3.574e-05 ± 2.016e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 2034 / 37
p0 86.68 ± 0.005085
p1 -1.458e-05 ± 2.158e-07
87.2
87
86.8
86.6
86.4
86.2
86
0
10000
20000
30000
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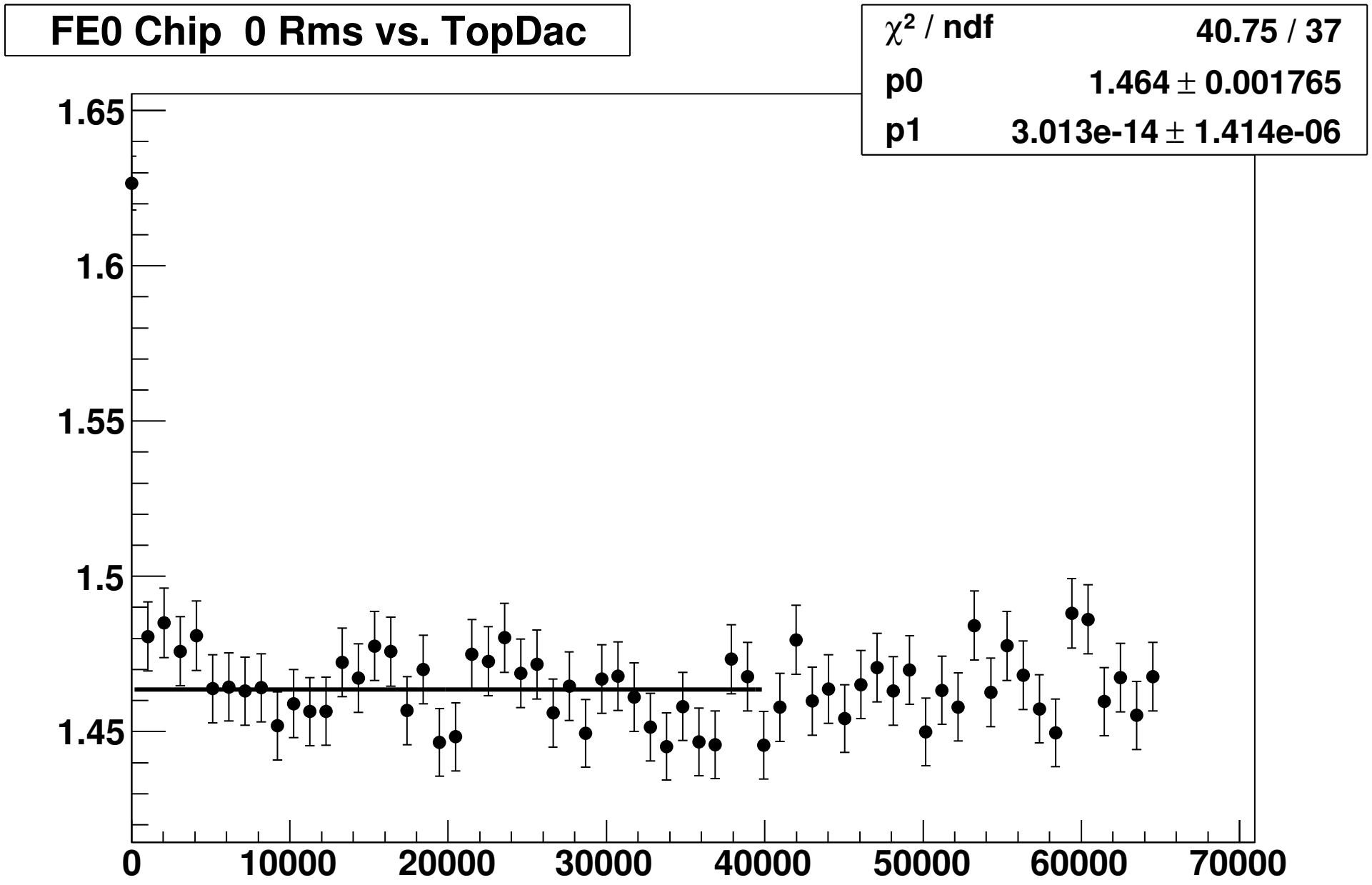
50000
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 40.75 / 37
p0 1.464 ± 0.001765
p1 3.013e-14 ± 1.414e-06
1.65
1.6
1.55
1.5
1.45
0
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20000
30000
40000
50000
60000
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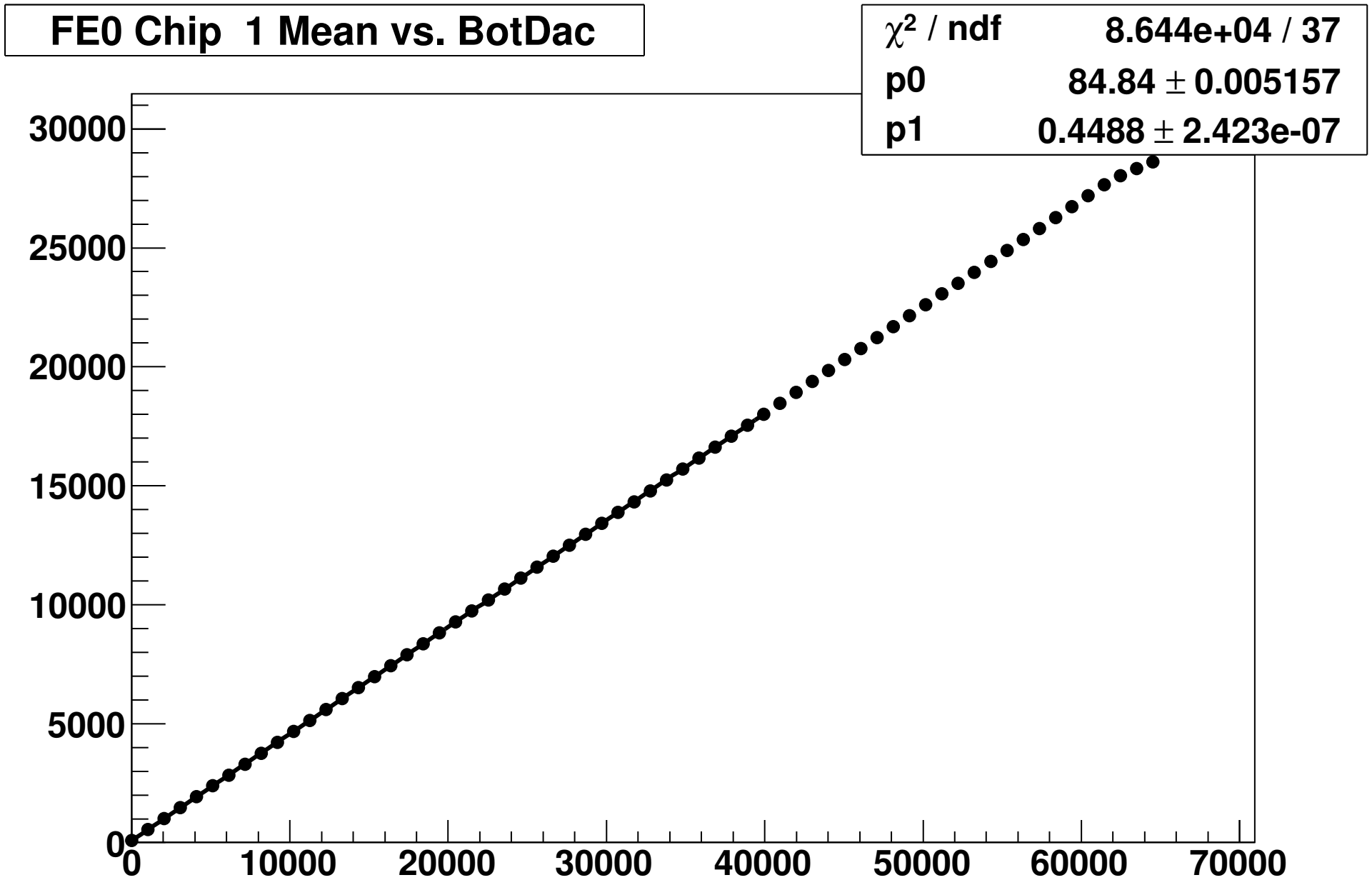
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 8.644e+04 / 37
p0 84.84 ± 0.005157
p1 0.4488 ± 2.423e-07
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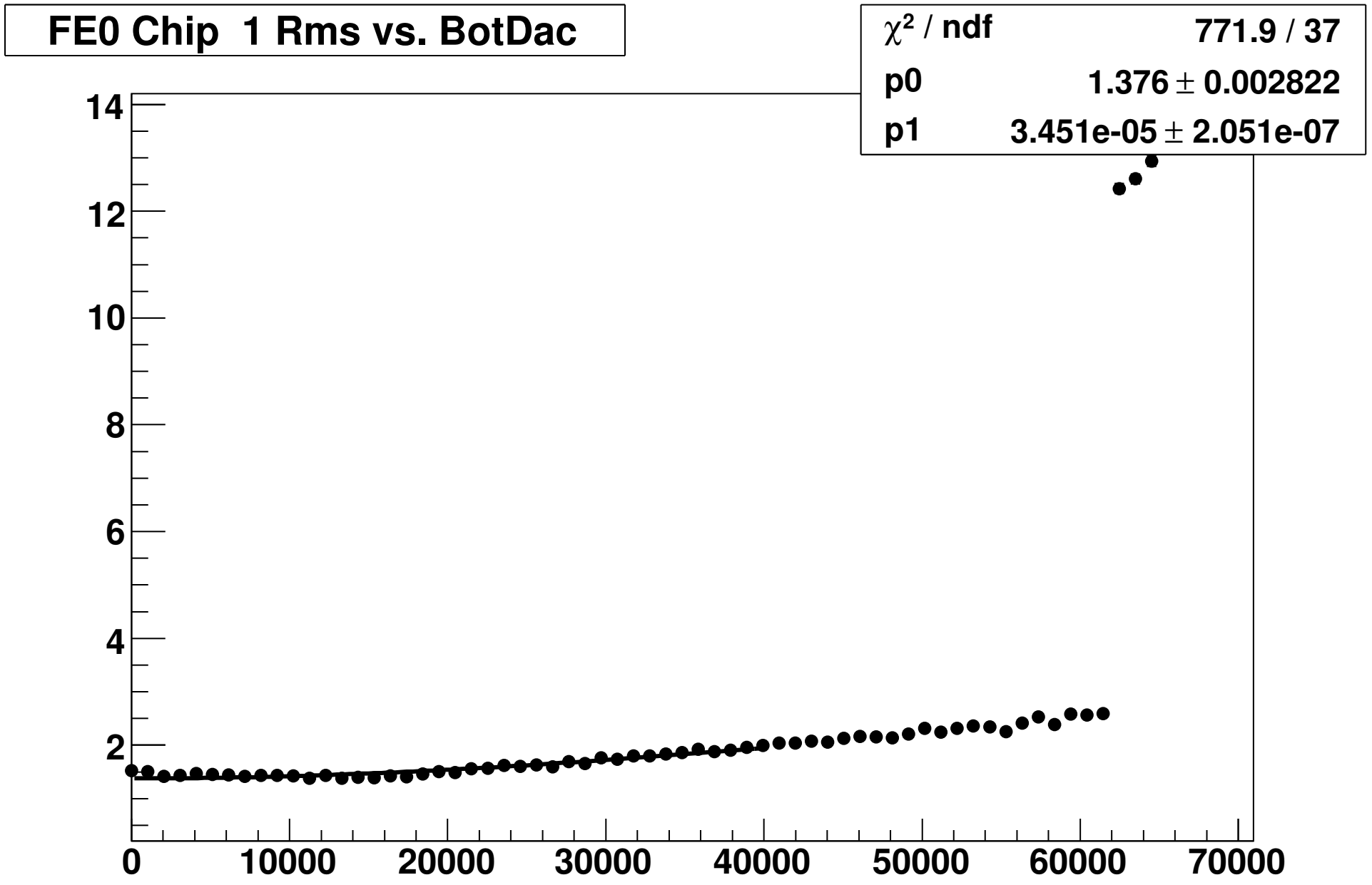
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 771.9 / 37
p0 1.376 ± 0.002822
p1 3.451e-05 ± 2.051e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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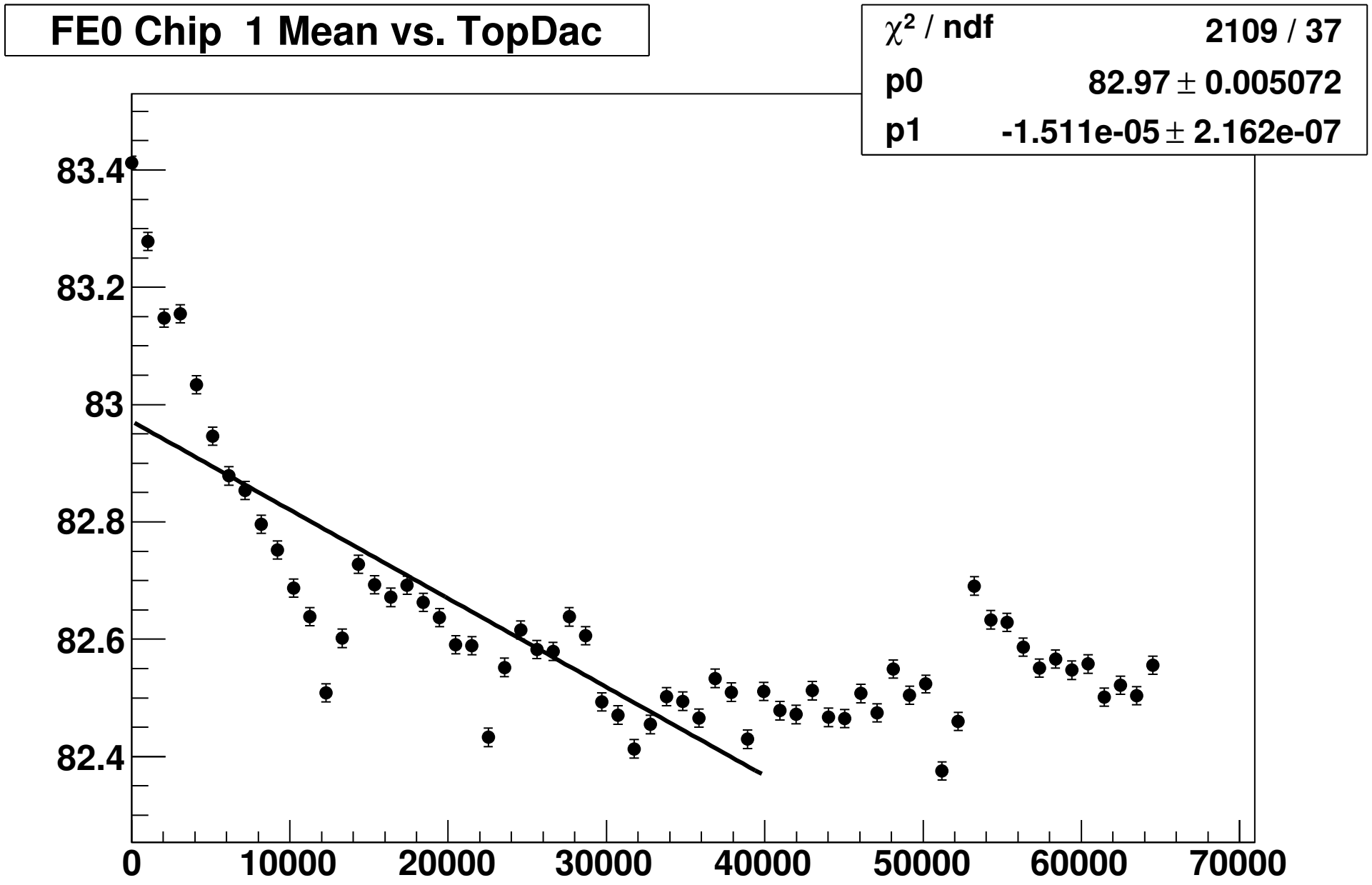
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 2109 / 37
p0 82.97 ± 0.005072
p1 -1.511e-05 ± 2.162e-07
83.4
83.2
83
82.8
82.6
82.4
0
10000
20000
30000
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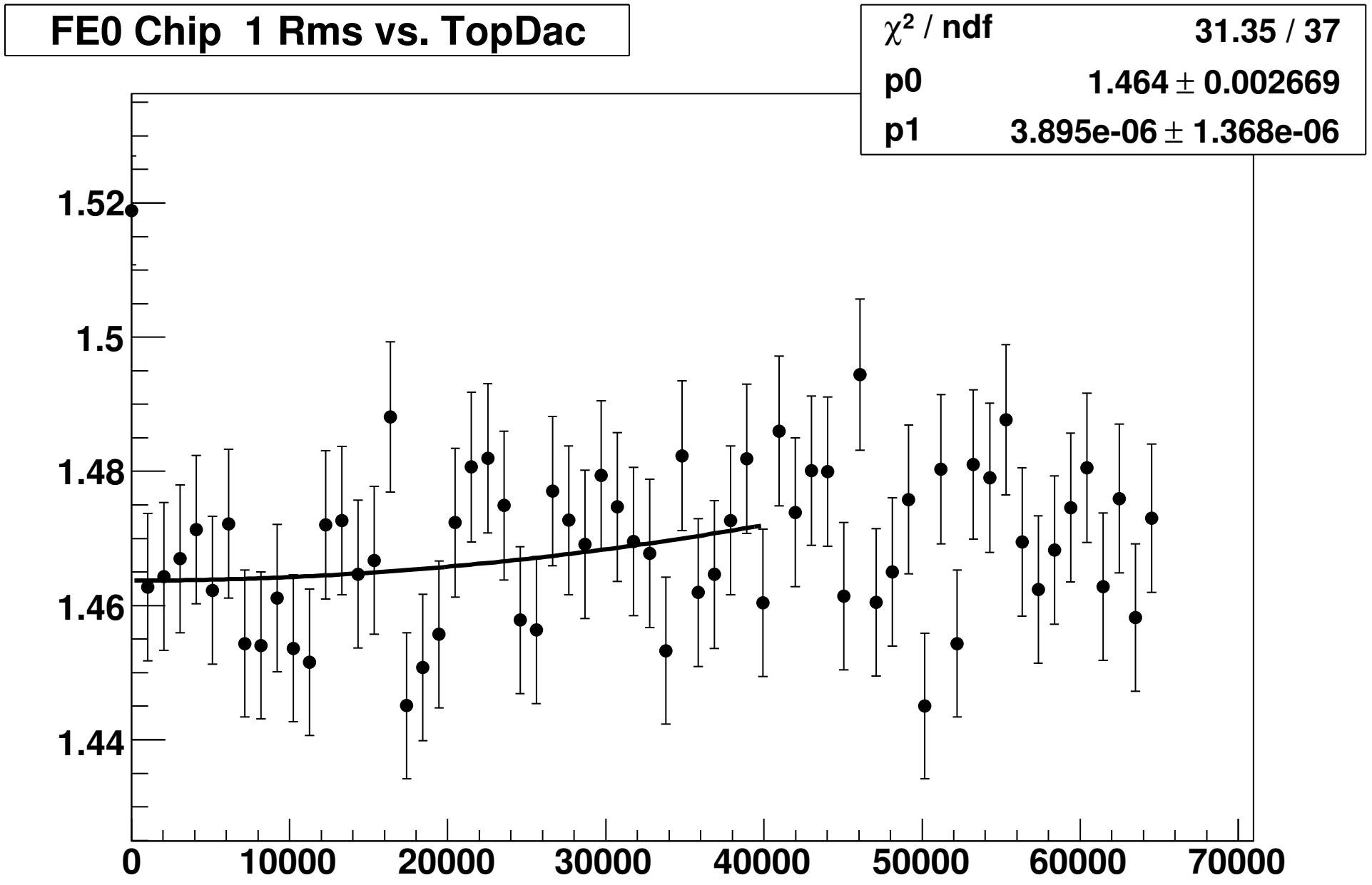
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 31.35 / 37
p0 1.464 ± 0.002669
p1 3.895e-06 ± 1.368e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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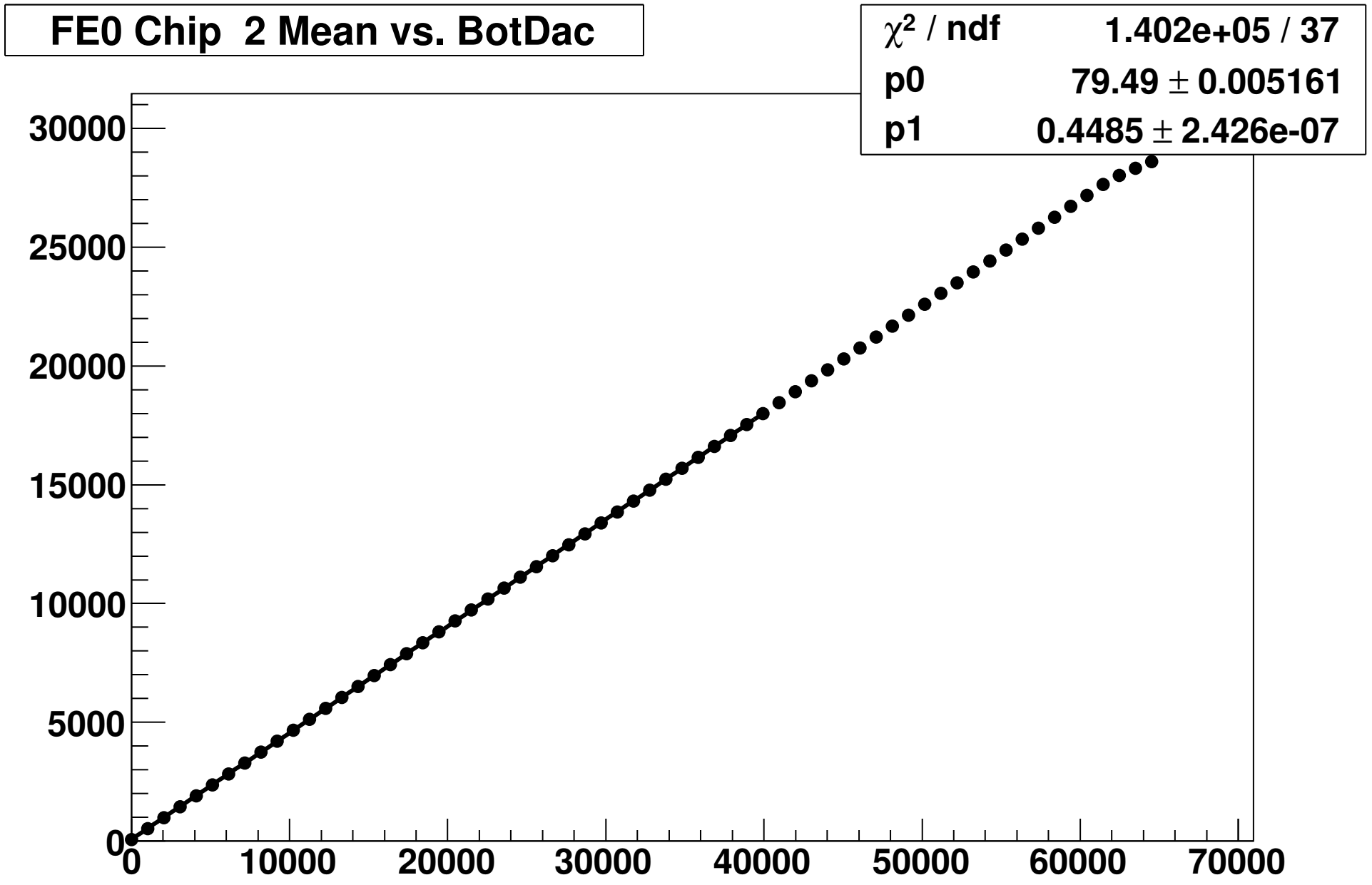
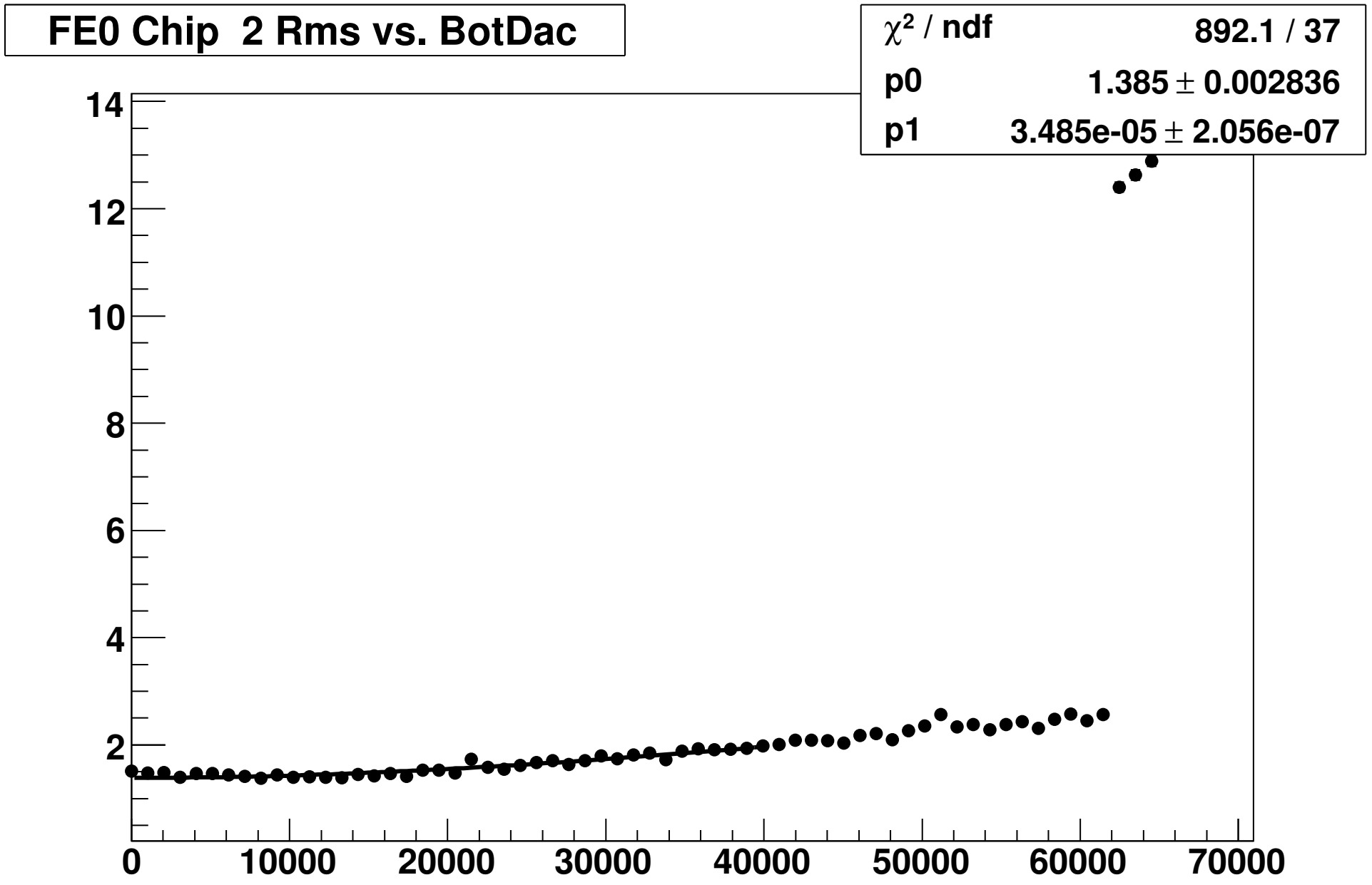
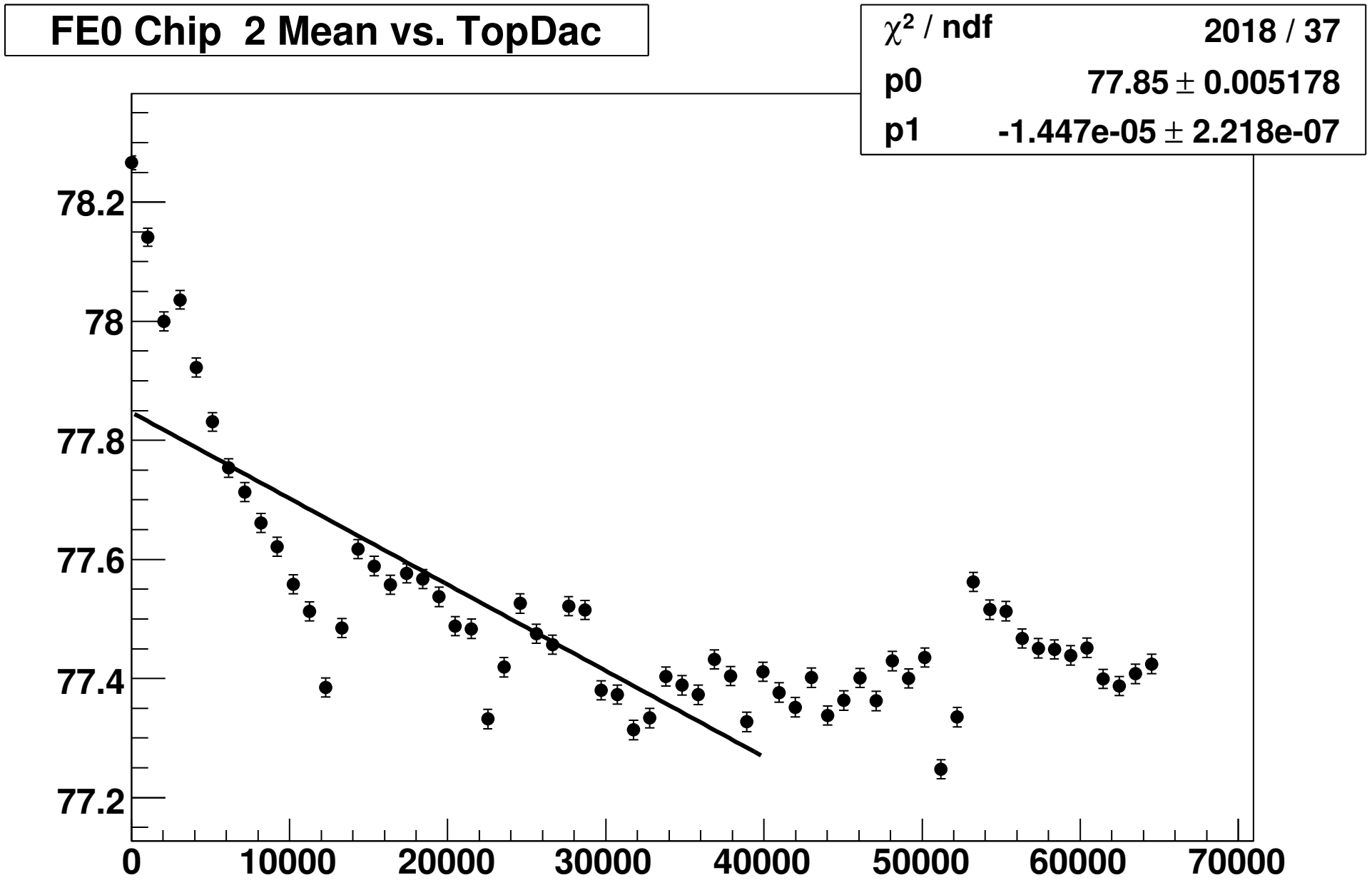
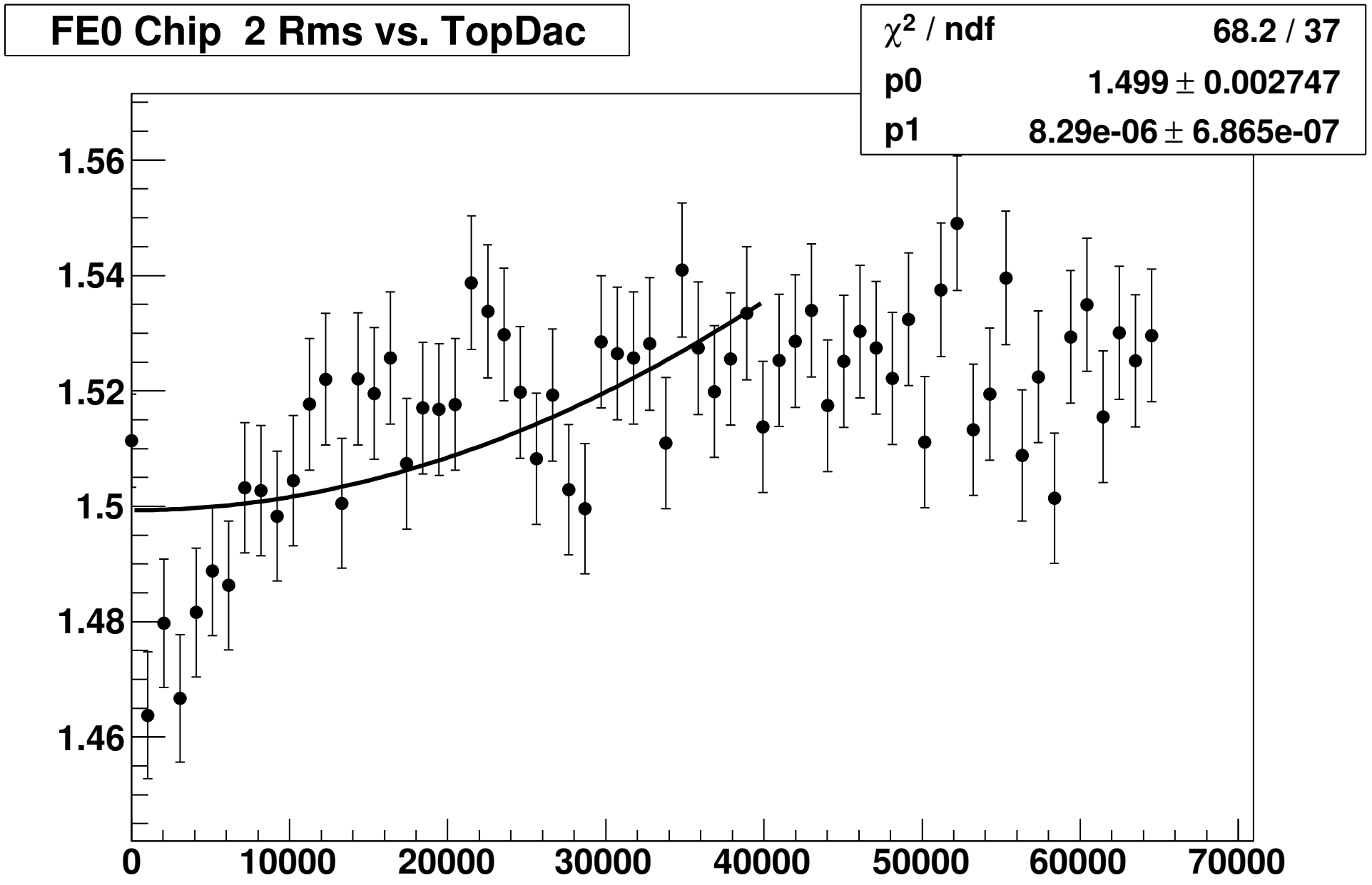
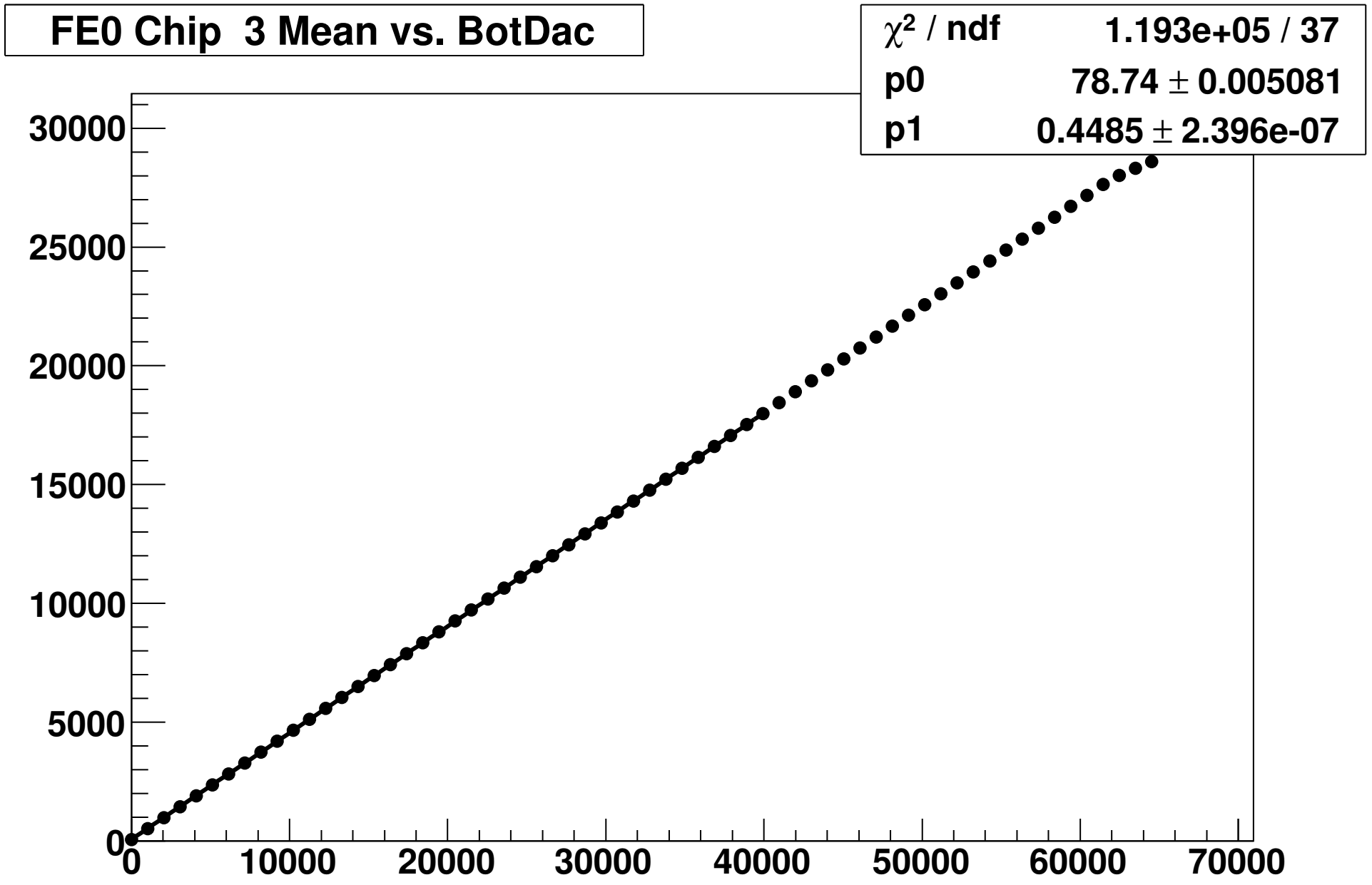
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.402e+05 / 37
p0 79.49 ± 0.005161
p1 0.4485 ± 2.426e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 892.1 / 37
p0 1.385 ± 0.002836
p1 3.485e-05 ± 2.056e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 2018 / 37
p0 77.85 ± 0.005178
p1 -1.447e-05 ± 2.218e-07
78.2
78
77.8
77.6
77.4
77.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 68.2 / 37
p0 1.499 ± 0.002747
p1 8.29e-06 ± 6.865e-07
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.193e+05 / 37
p0 78.74 ± 0.005081
p1 0.4485 ± 2.396e-07
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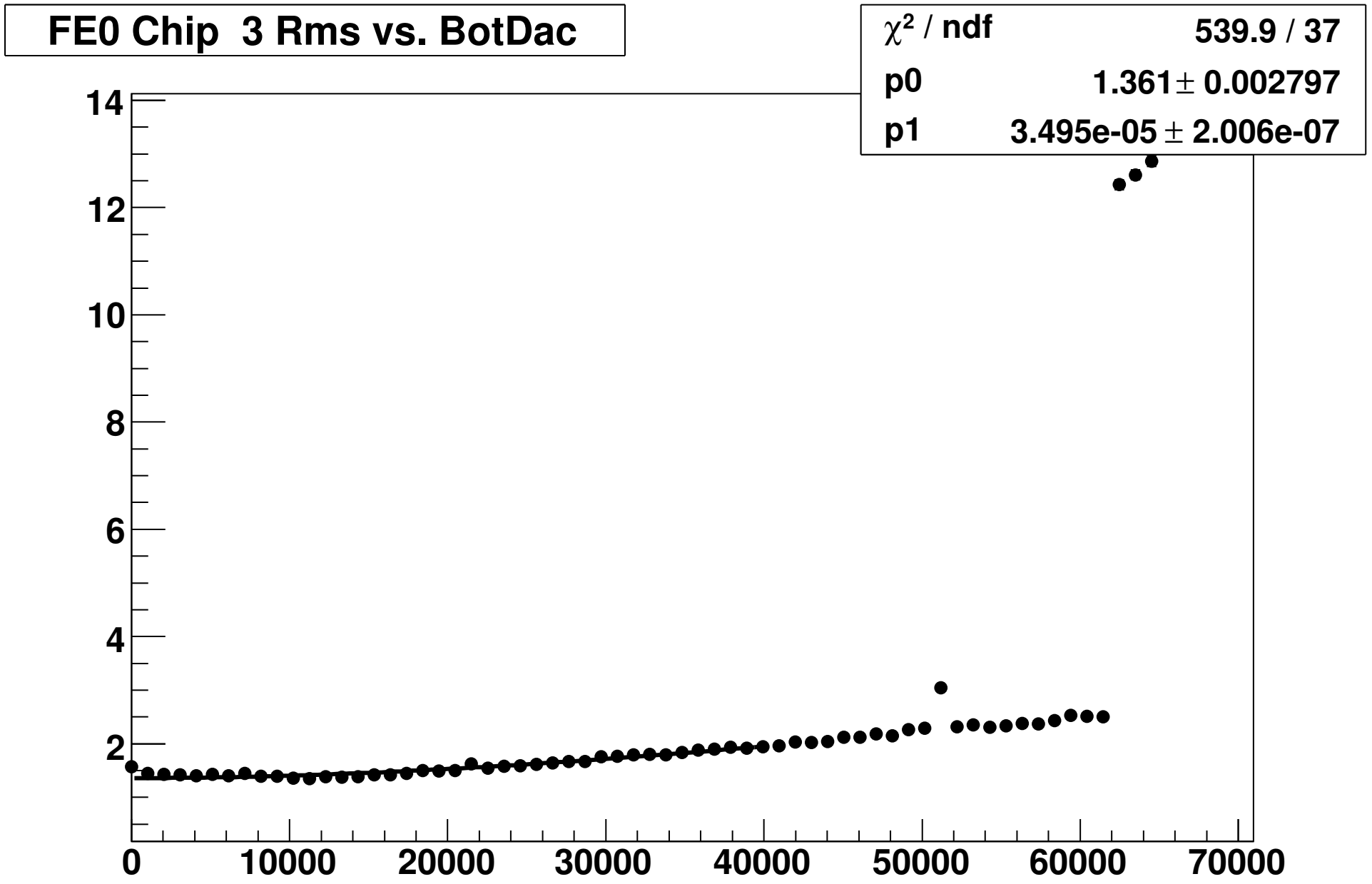
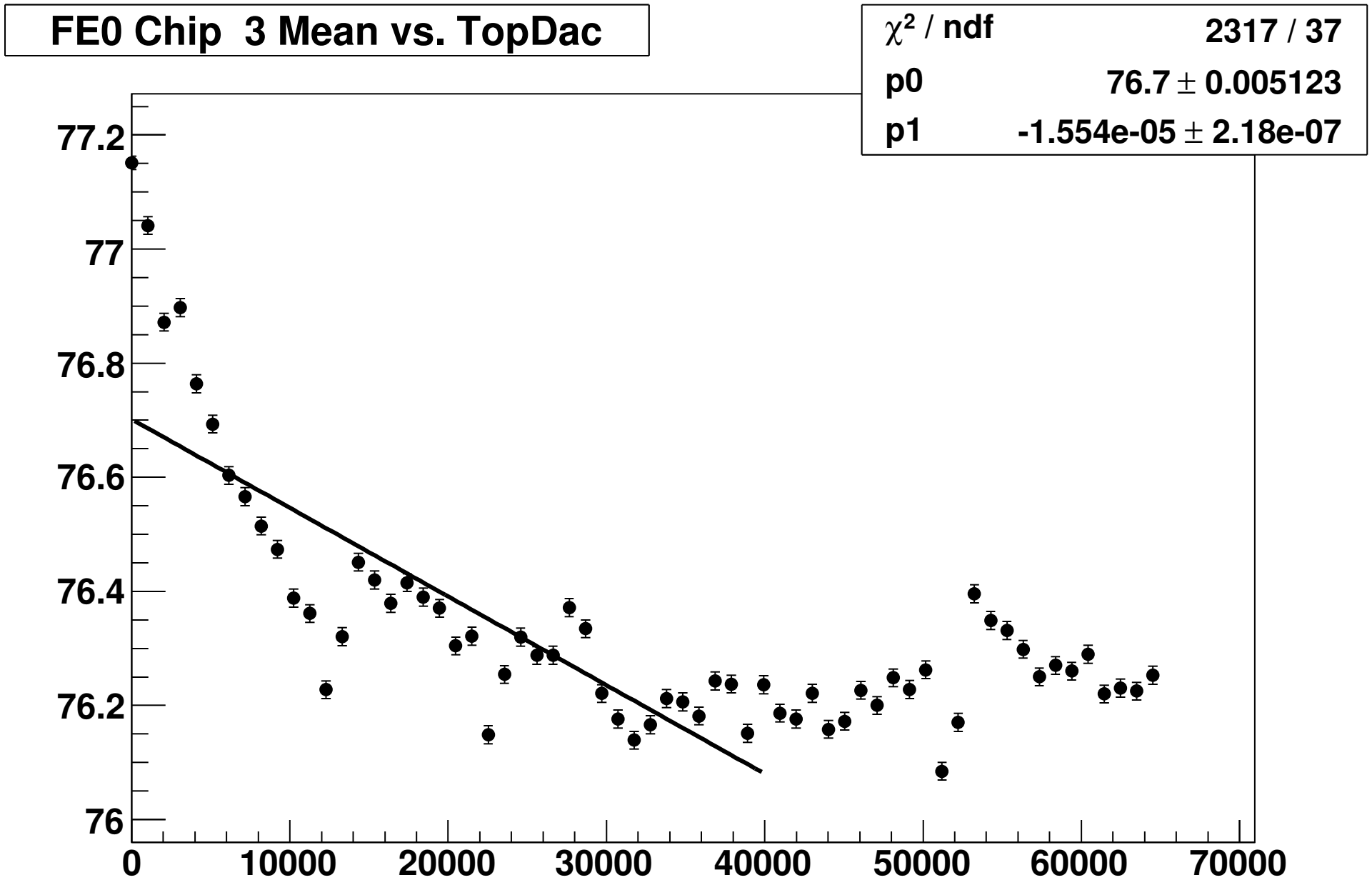
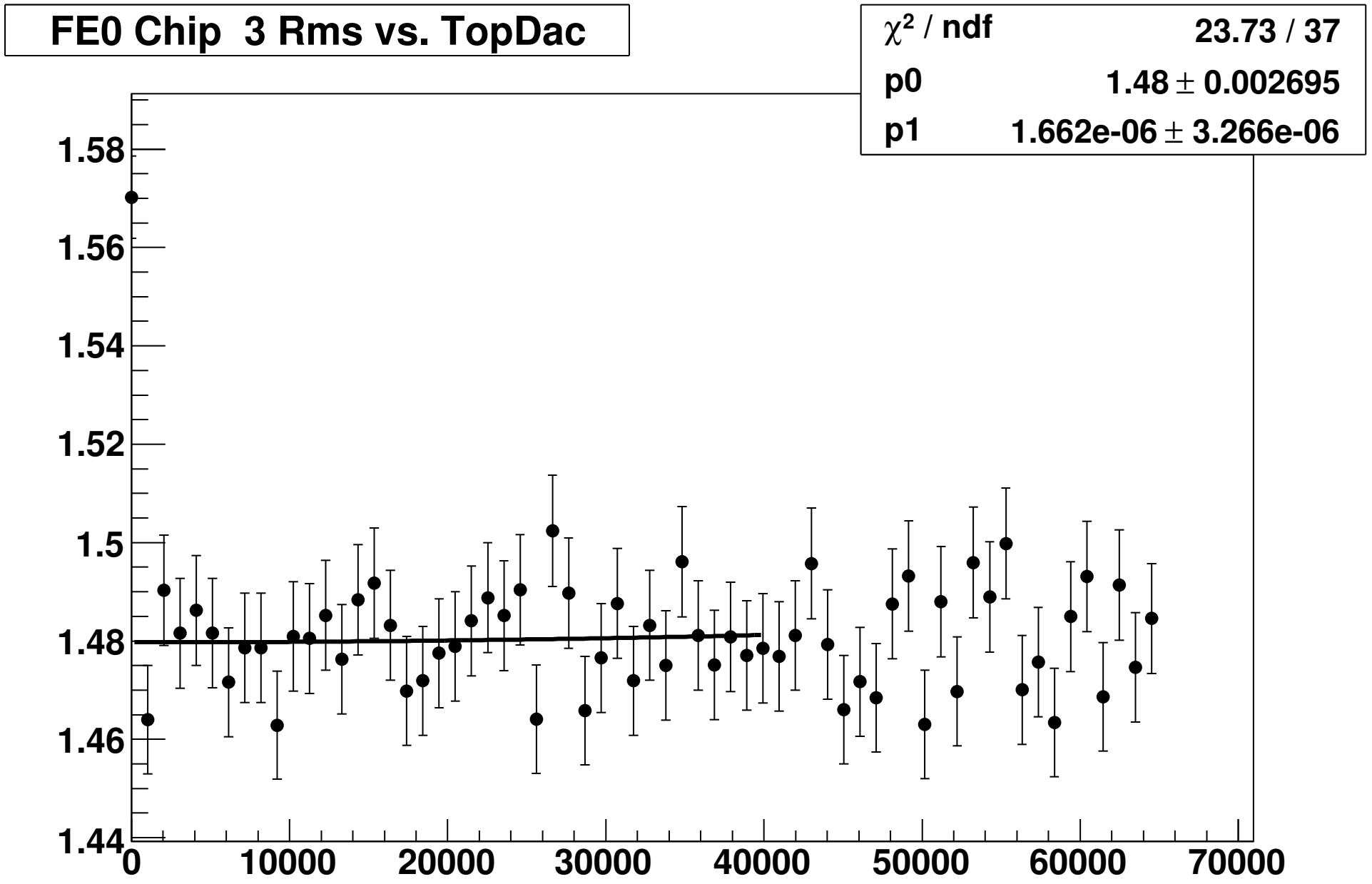
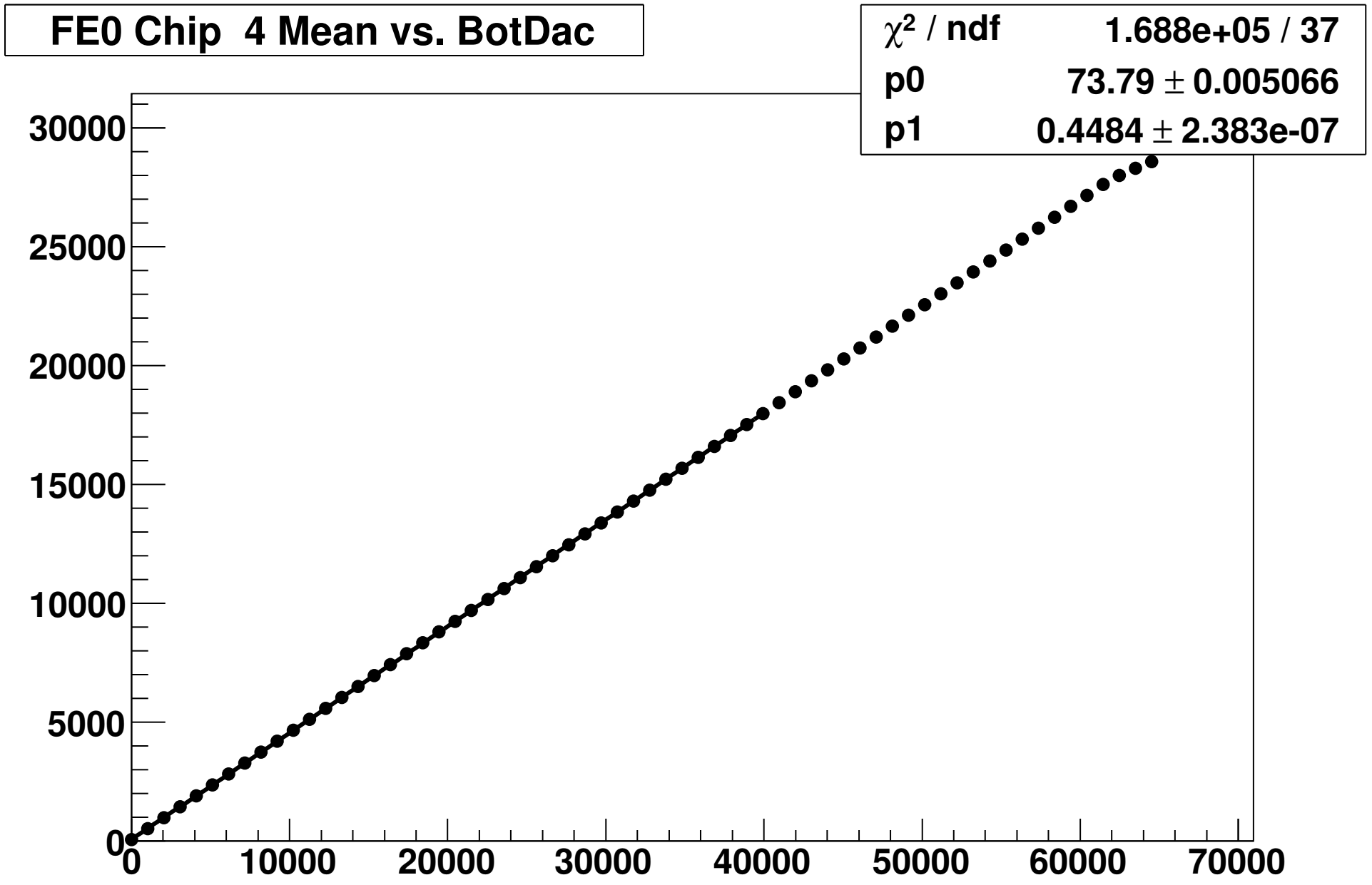
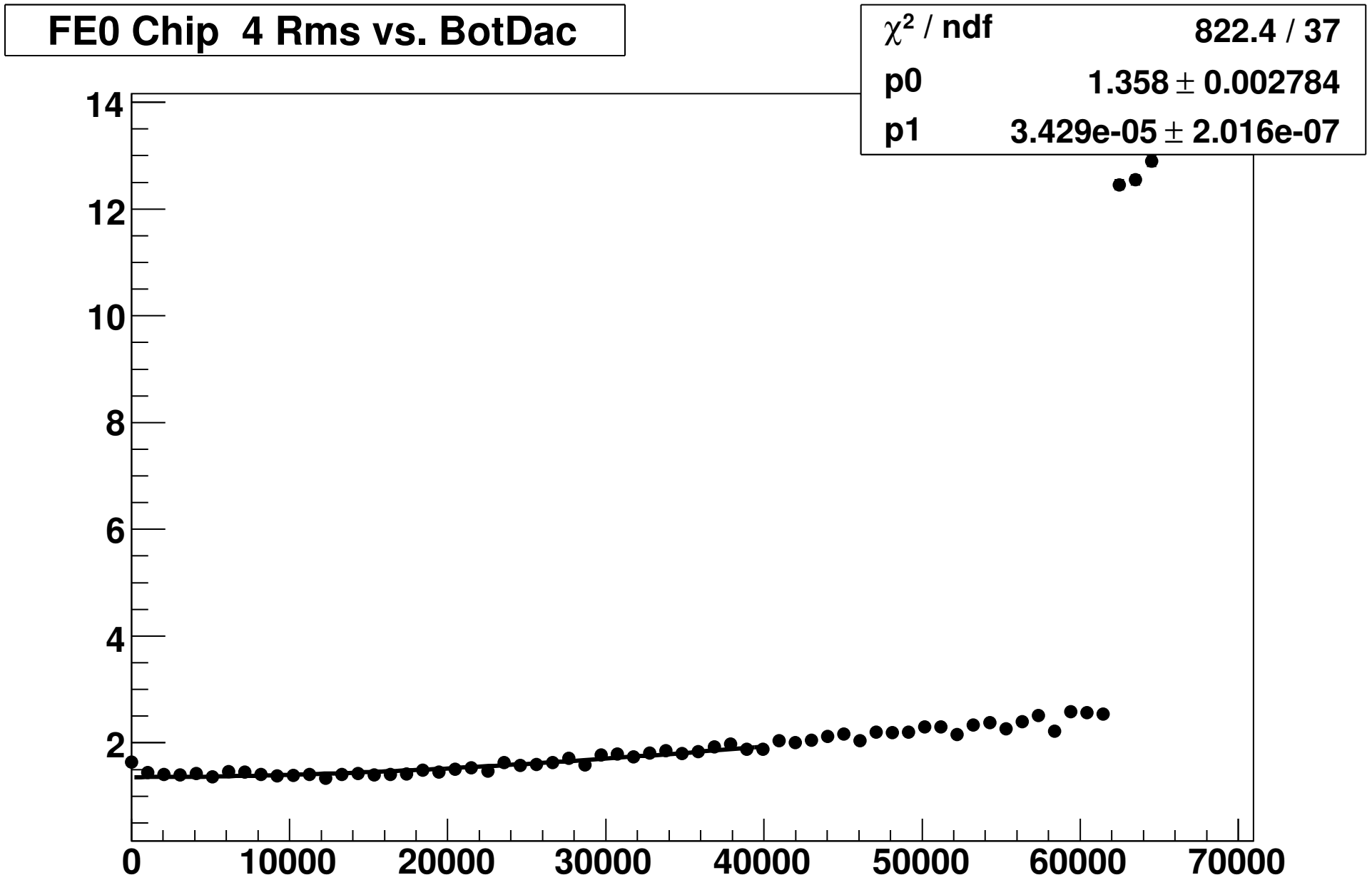
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

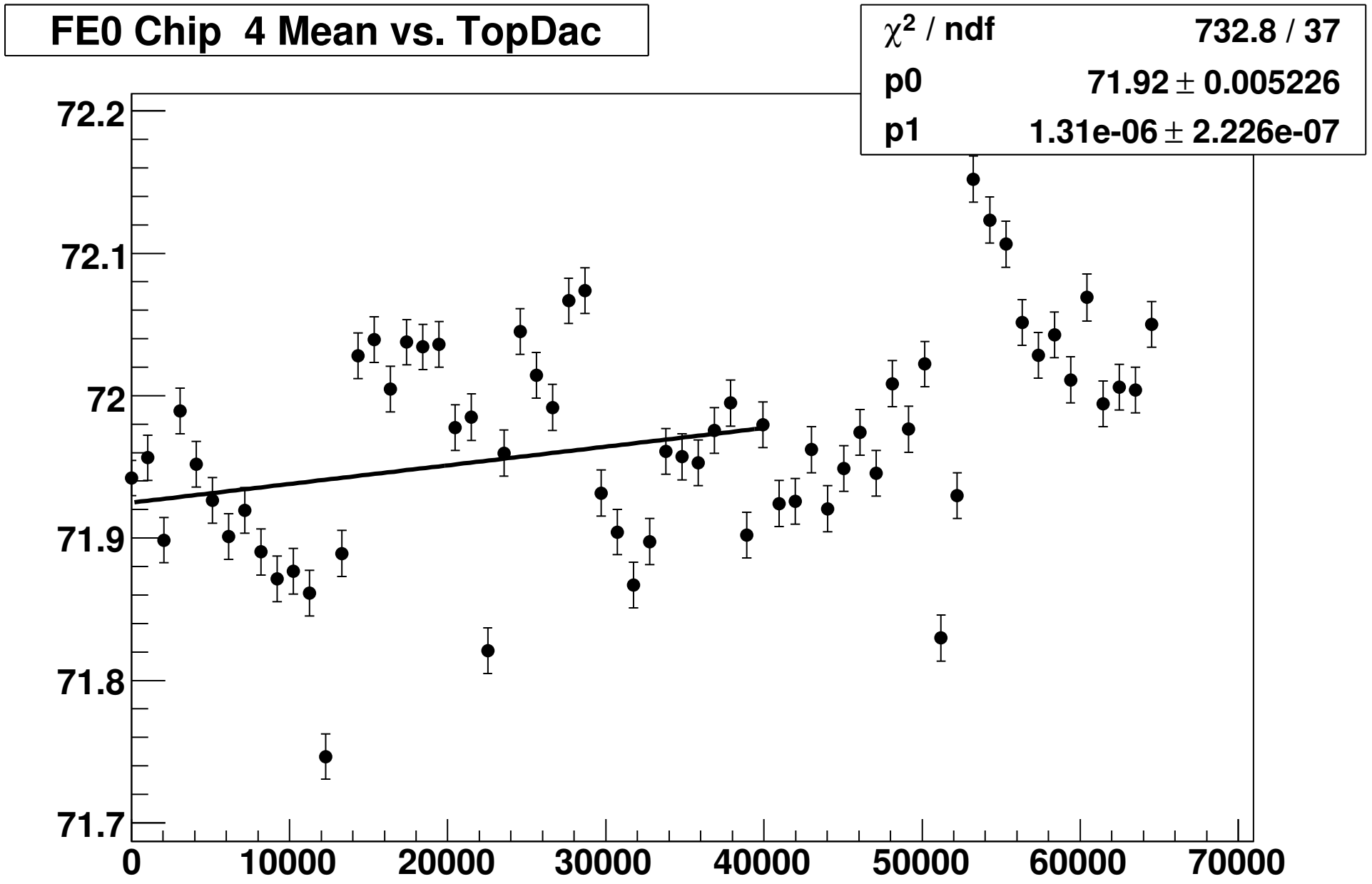

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 539.9 / 37
p0 1.361 ± 0.002797
p1 3.495e-05 ± 2.006e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

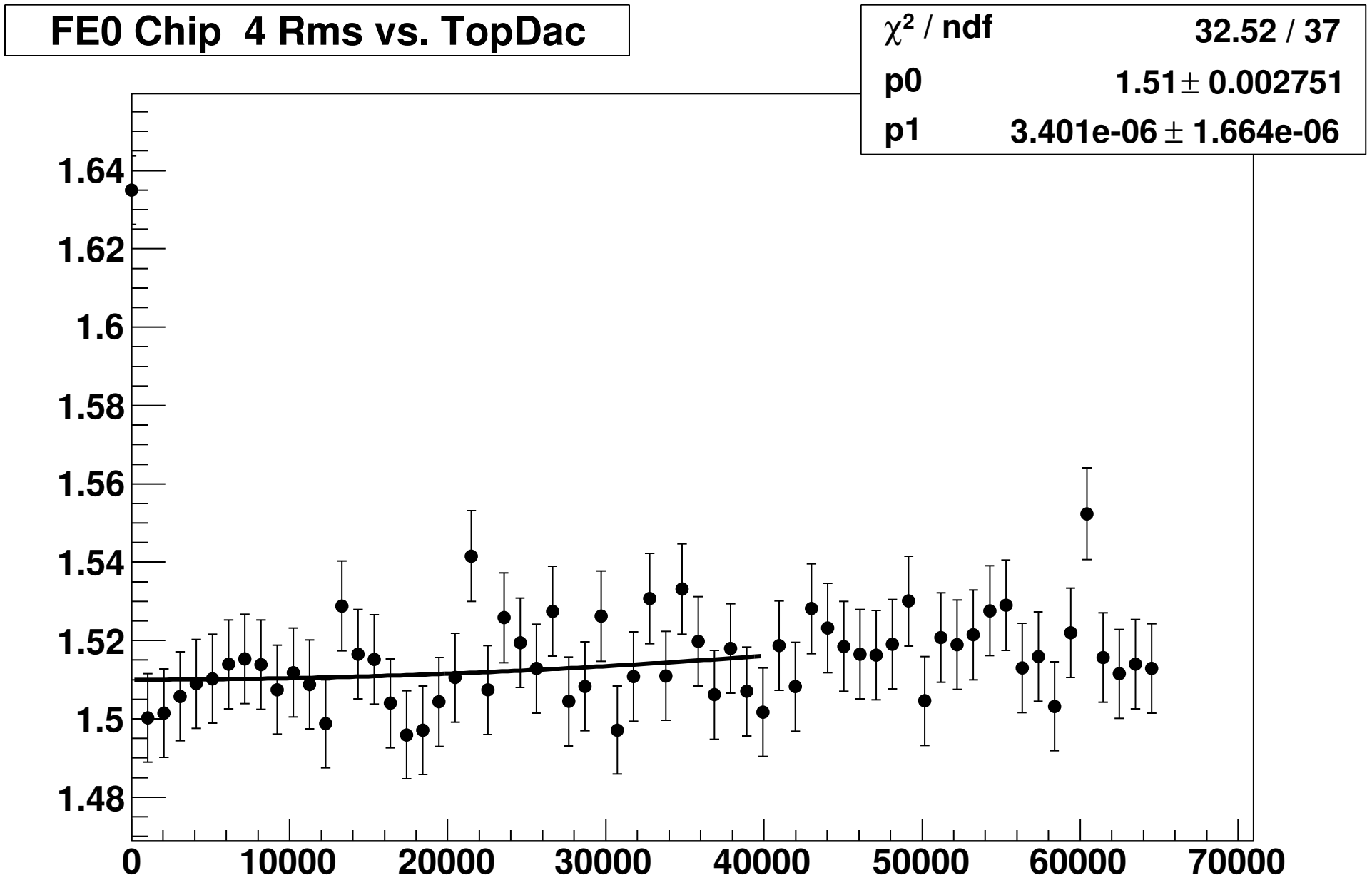

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 2317 / 37
p0 76.7 ± 0.005123
p1 -1.554e-05 ± 2.18e-07
77.2
77
76.8
76.6
76.4
76.2
76
0
10000
20000
30000
40000
50000
60000
70000

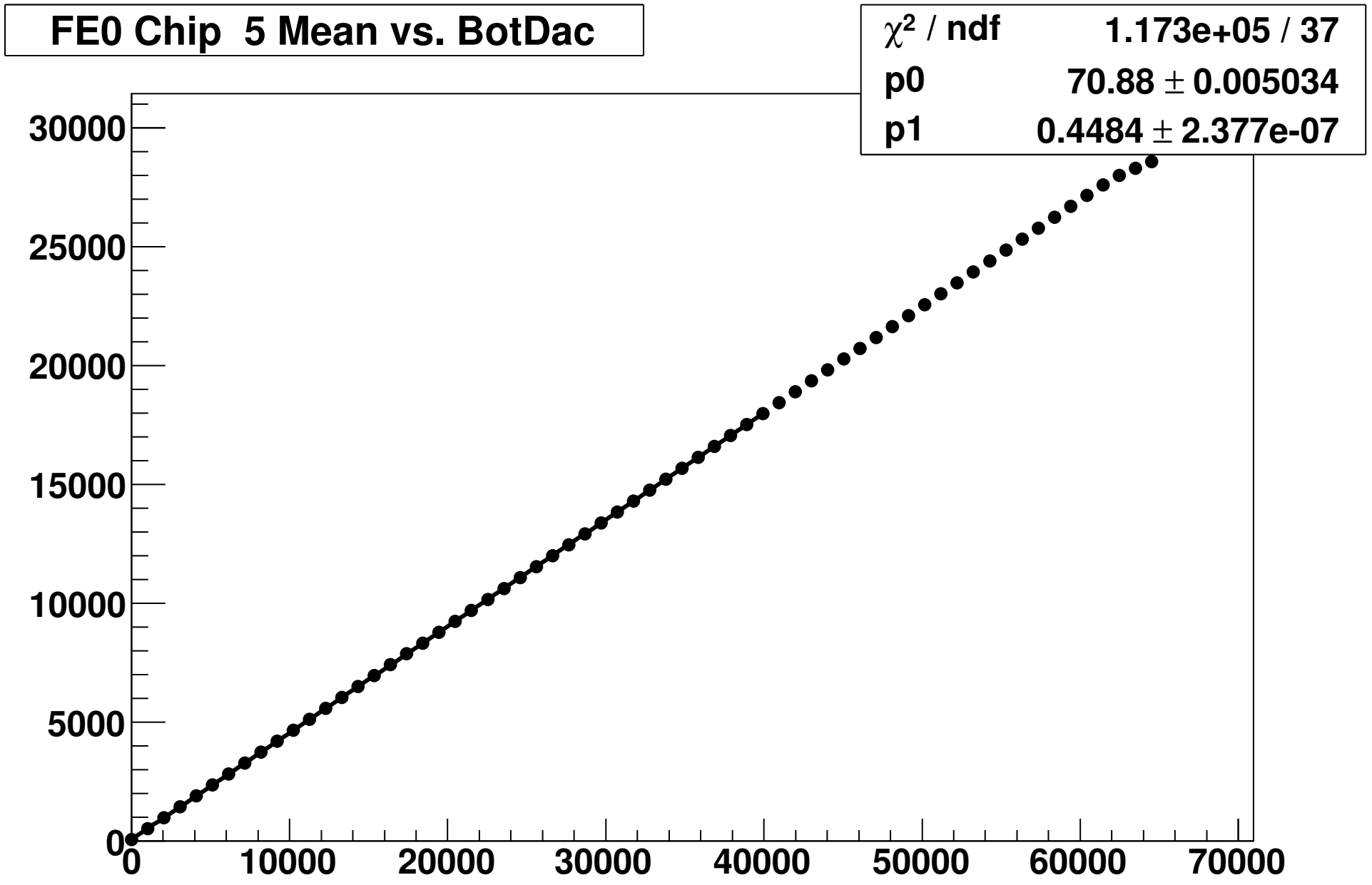

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 23.73 / 37
p0 1.48 ± 0.002695
p1 1.662e-06 ± 3.266e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

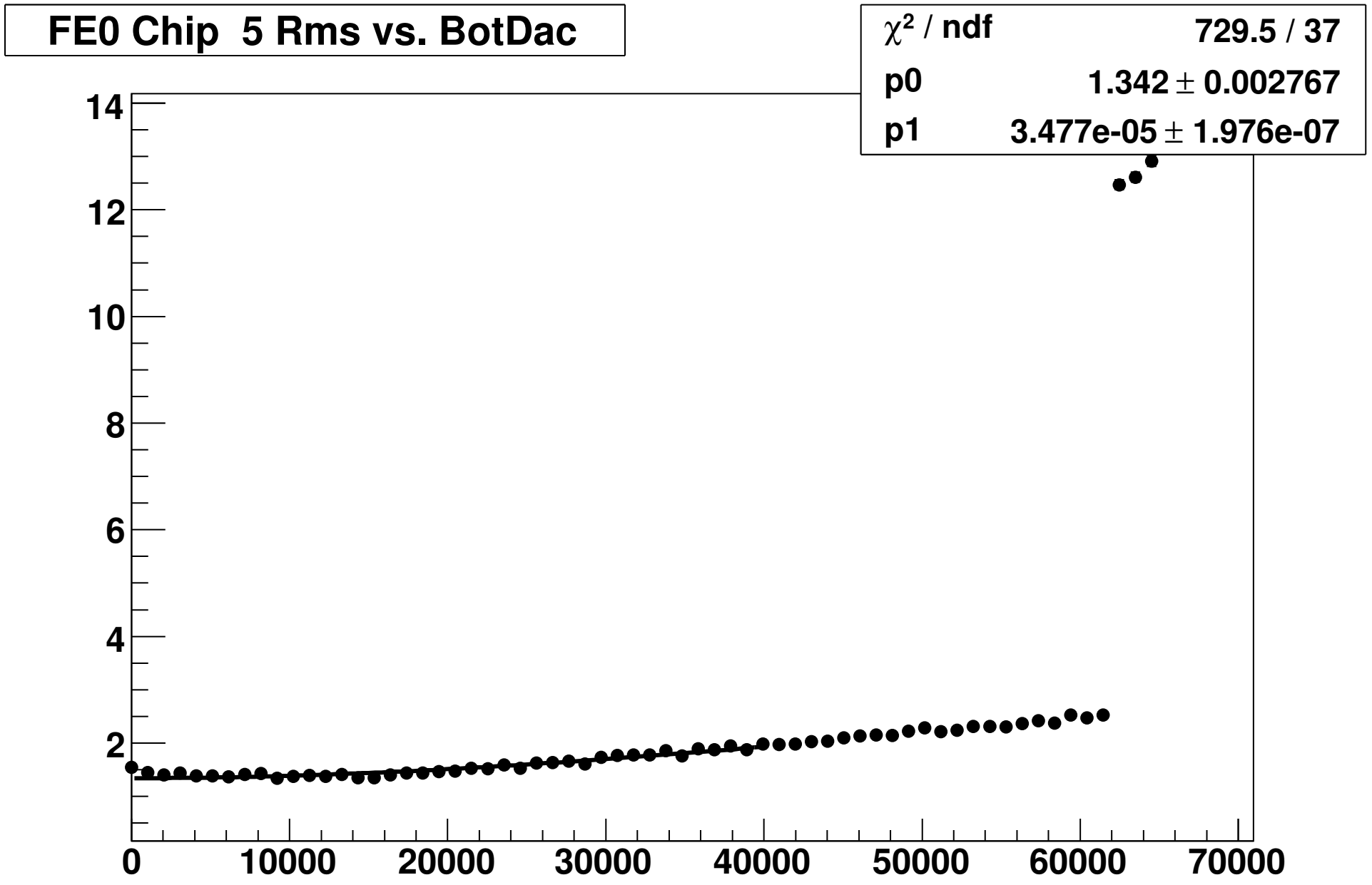

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 1.688e+05 / 37
p0 73.79 ± 0.005066
p1 0.4484 ± 2.383e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 822.4 / 37
p0 1.358 ± 0.002784
p1 3.429e-05 ± 2.016e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 732.8 / 37
p0 71.92 ± 0.005226
p1 1.31e-06 ± 2.226e-07
72.2
72.1
72
71.9
71.8
71.7
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 32.52 / 37
p0 1.51 ± 0.002751
p1 3.401e-06 ± 1.664e-06
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


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.173e+05 / 37
p0 70.88 ± 0.005034
p1 0.4484 ± 2.377e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 729.5 / 37
p0 1.342 ± 0.002767
p1 3.477e-05 ± 1.976e-07
14
12
10
8
6
4
2
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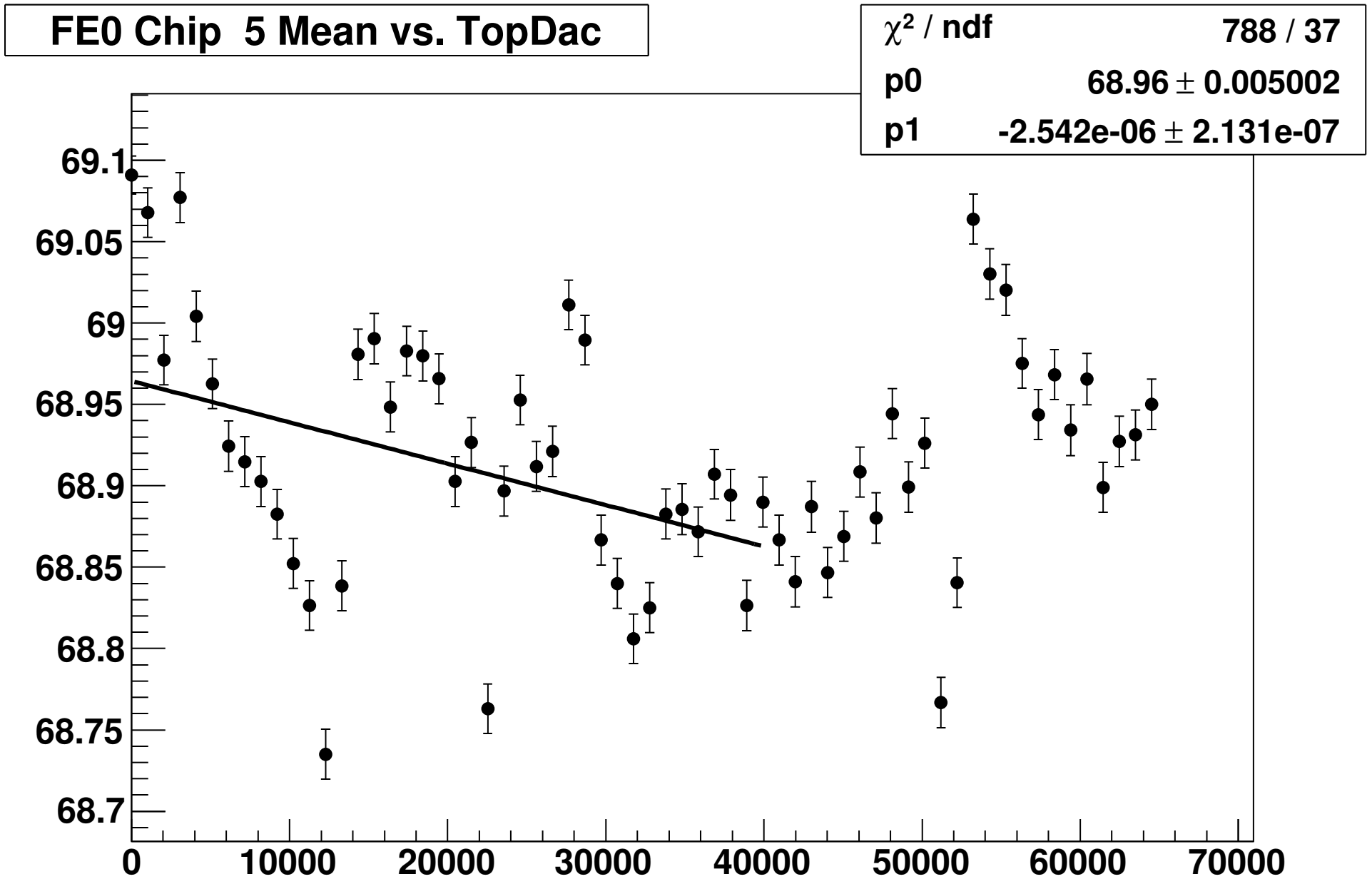
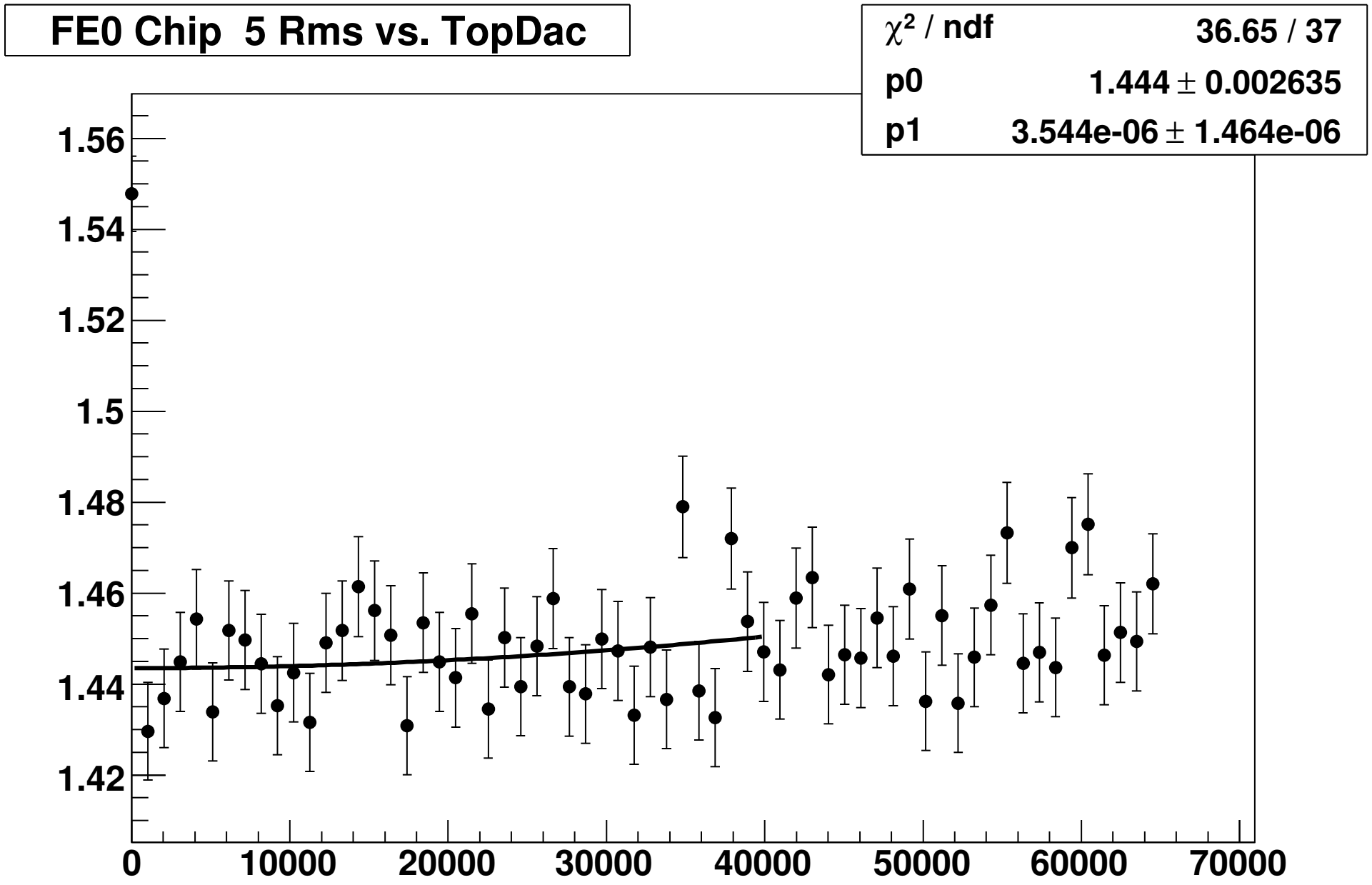
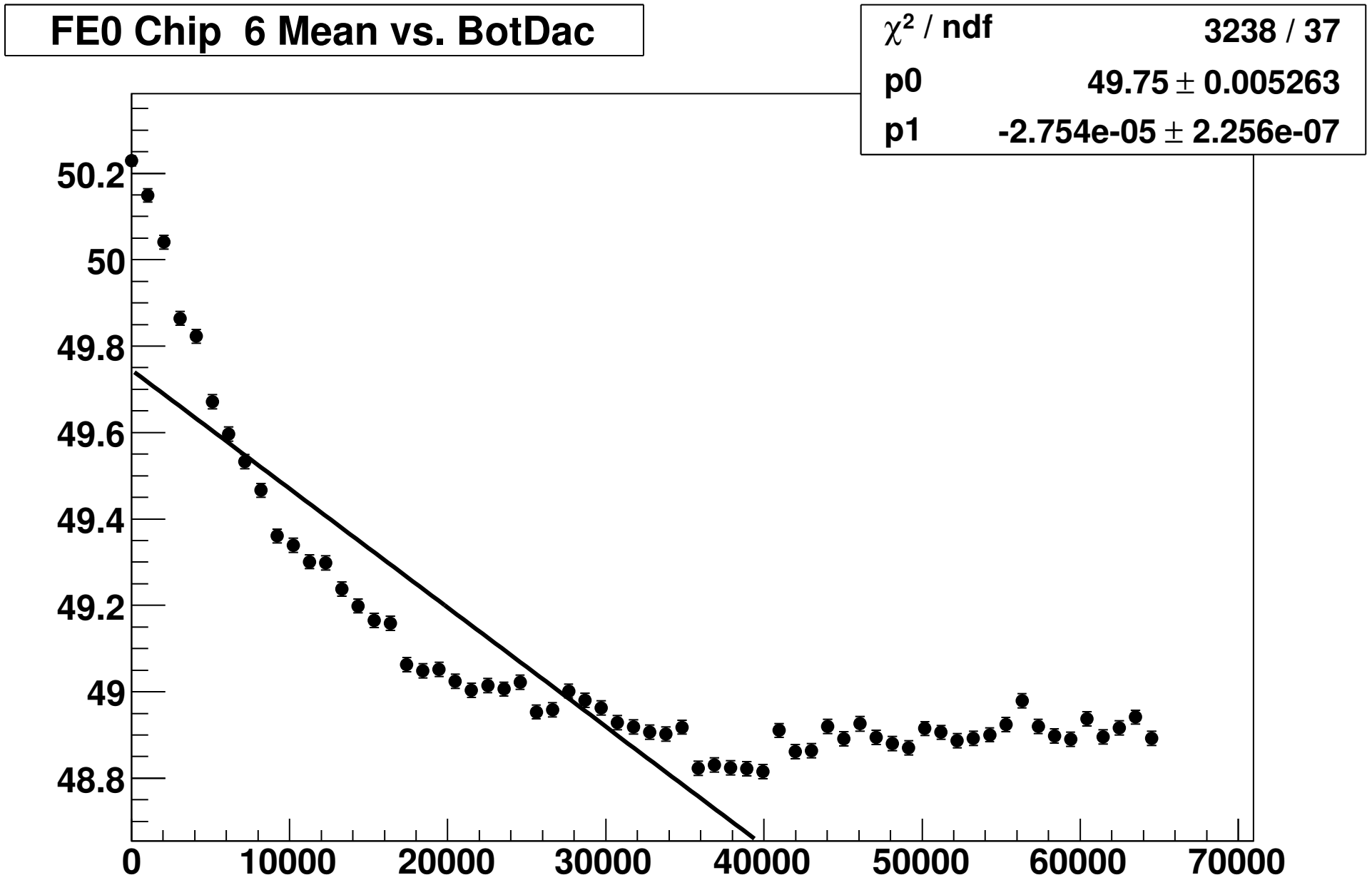
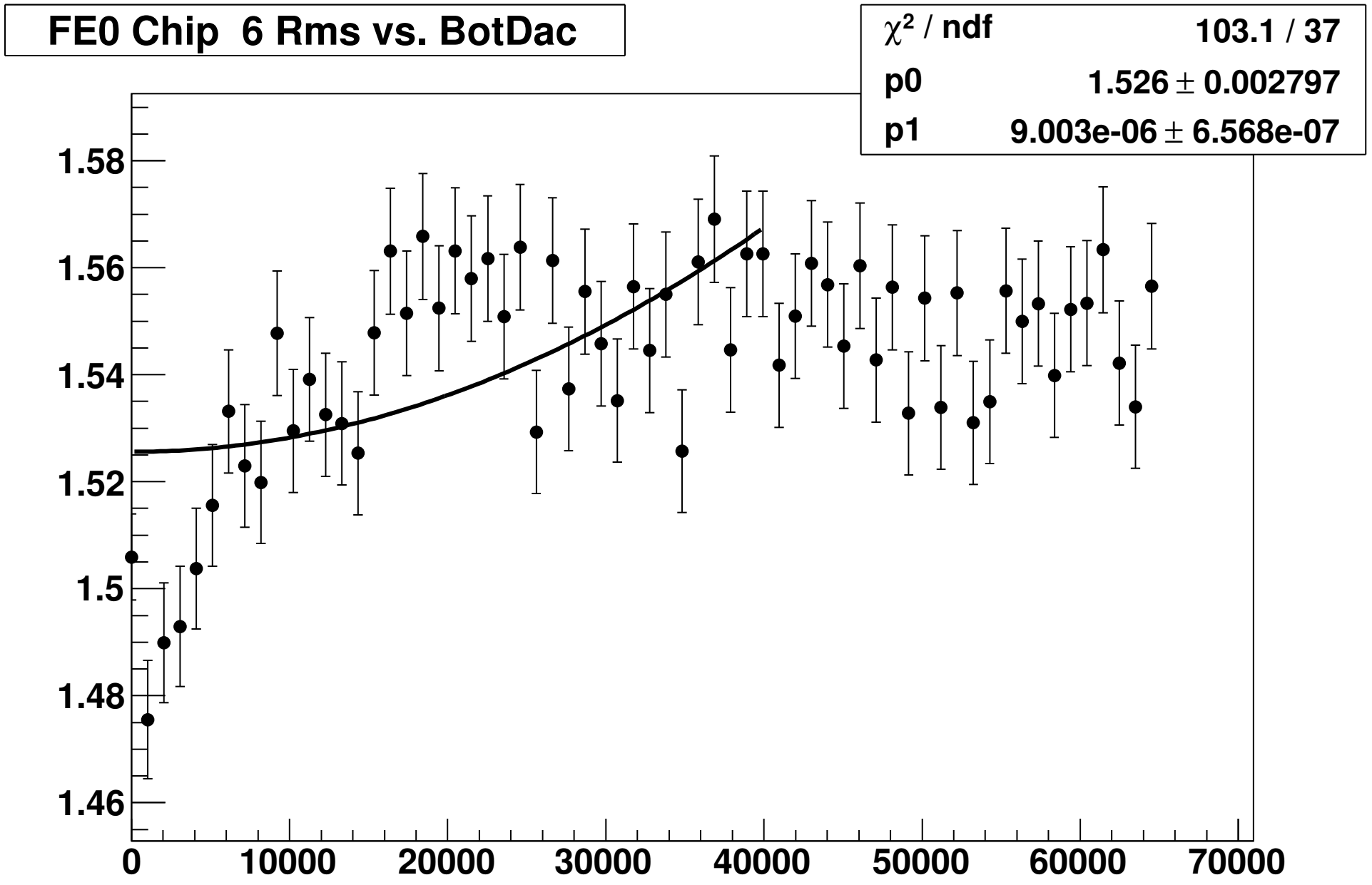
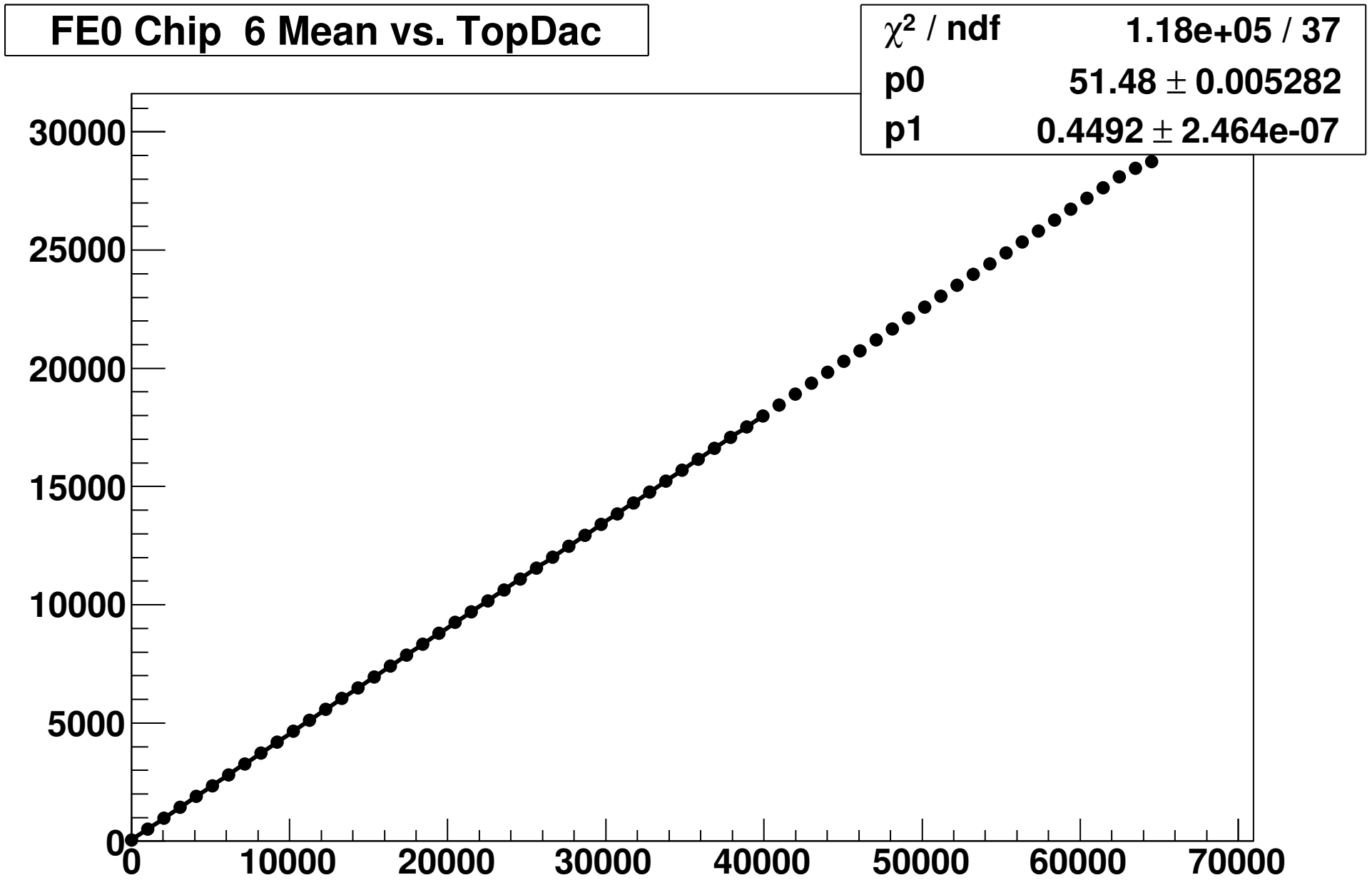
10000
20000
30000
40000
50000
60000
70000

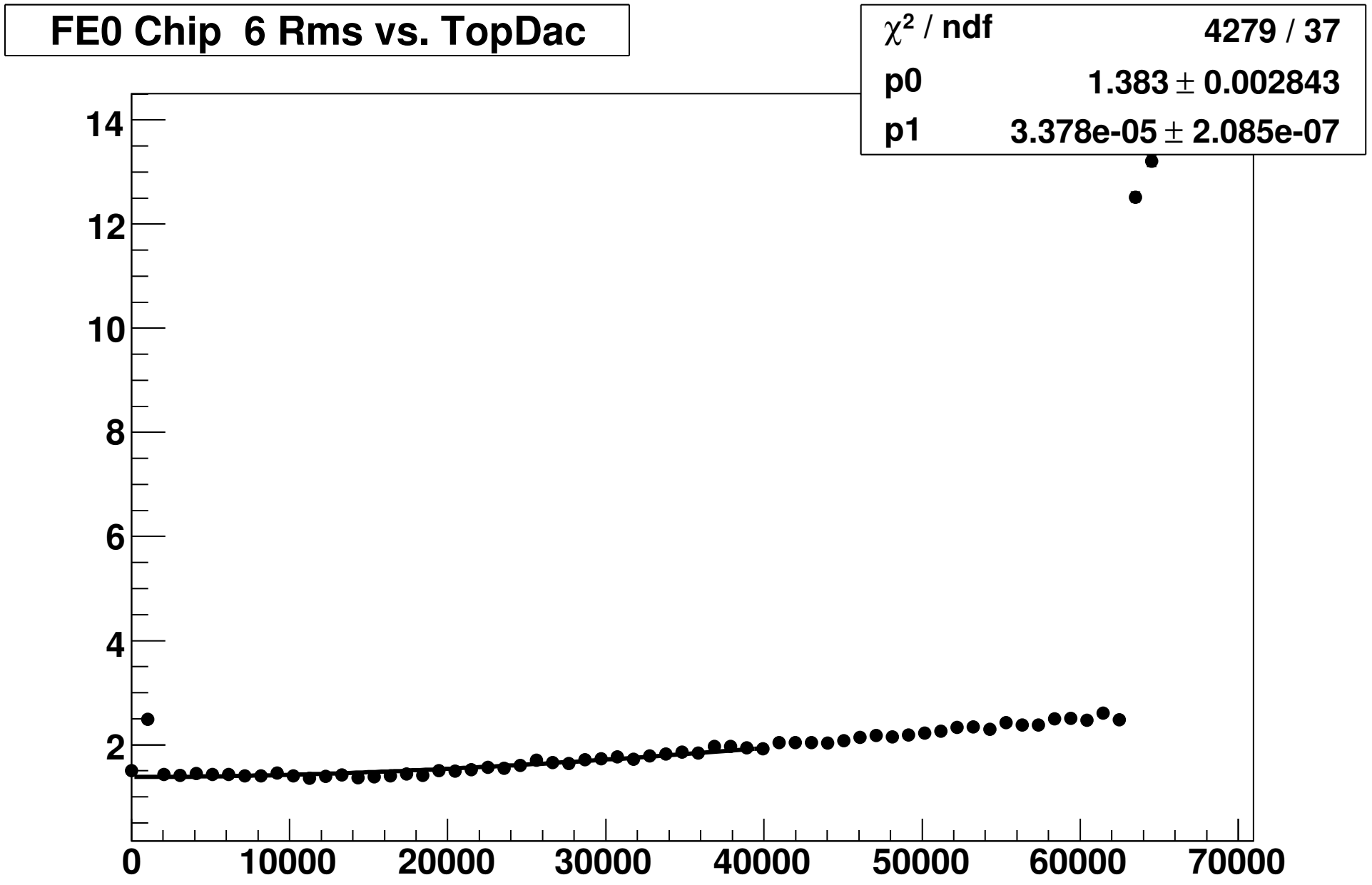

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 788 / 37
p0 68.96 ± 0.005002
p1 -2.542e-06 ± 2.131e-07
69.1
69.05
69
68.95
68.9
68.85
68.8
68.75
68.7
0
10000
20000
30000
40000
50000
60000
70000

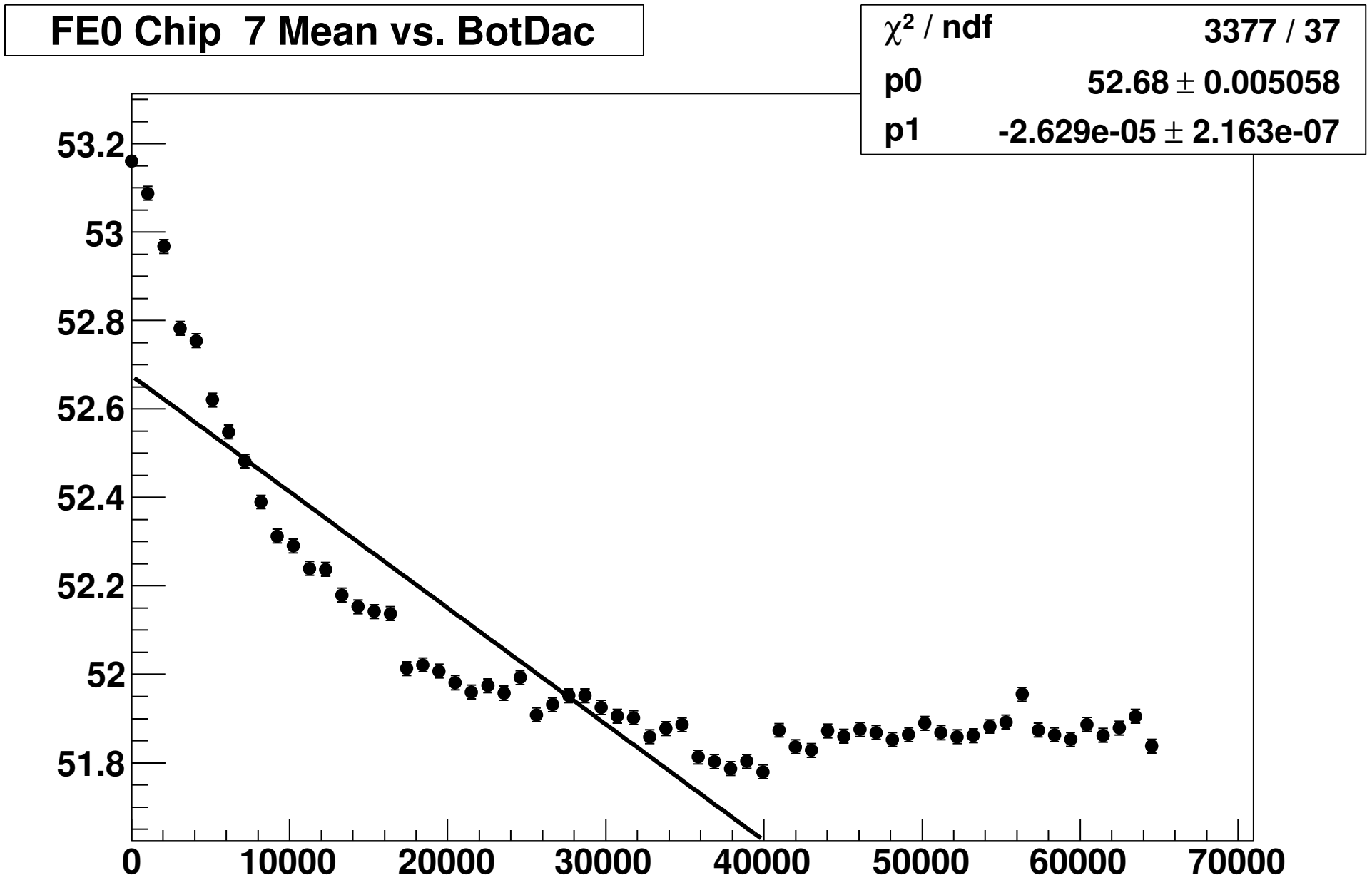

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 36.65 / 37
p0 1.444 ± 0.002635
p1 3.544e-06 ± 1.464e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

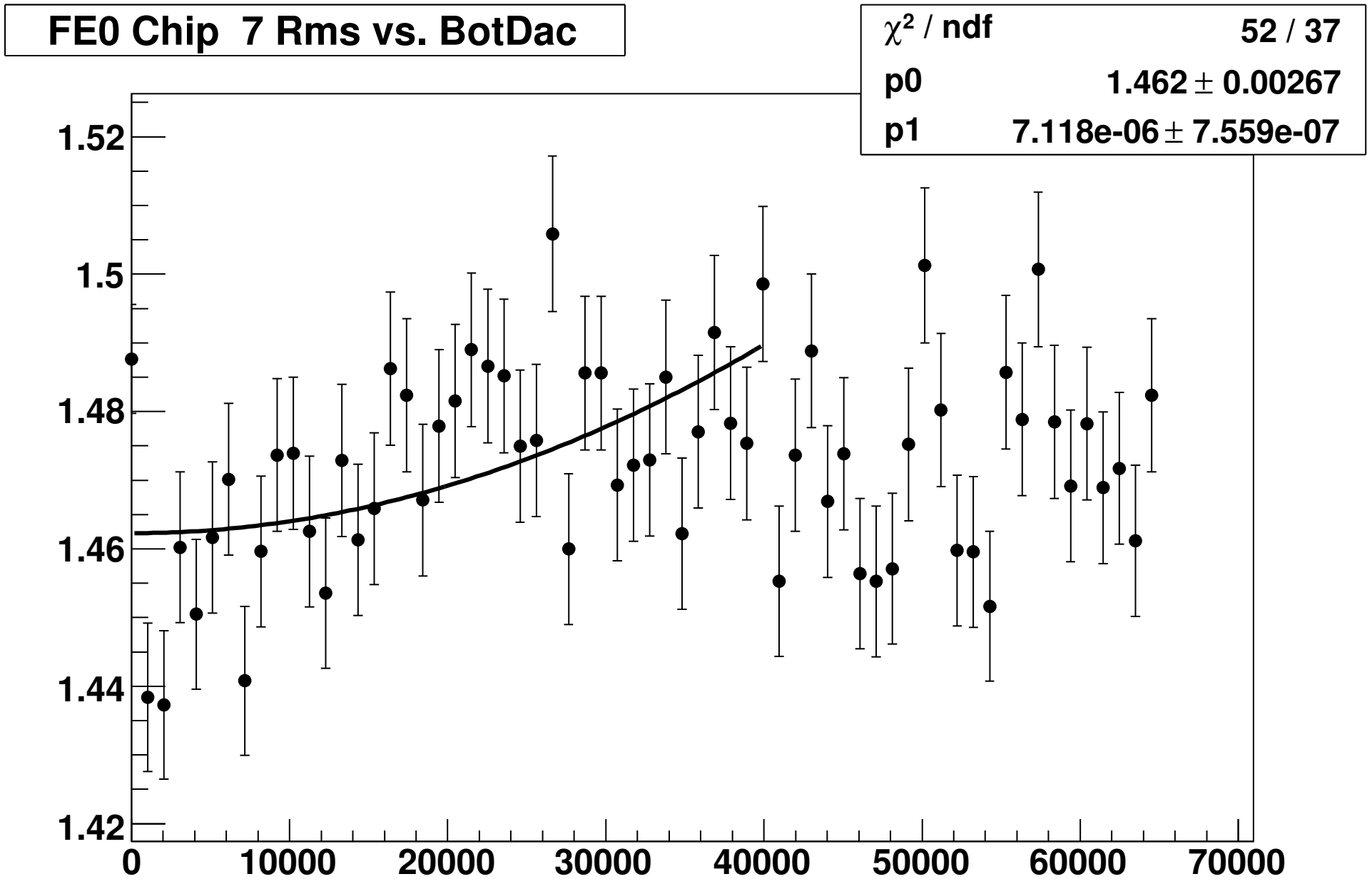

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 3238 / 37
p0 49.75 ± 0.005263
p1 -2.754e-05 ± 2.256e-07
50.2
50
49.8
49.6
49.4
49.2
49
48.8
0
10000
20000
30000
40000
50000
60000
70000

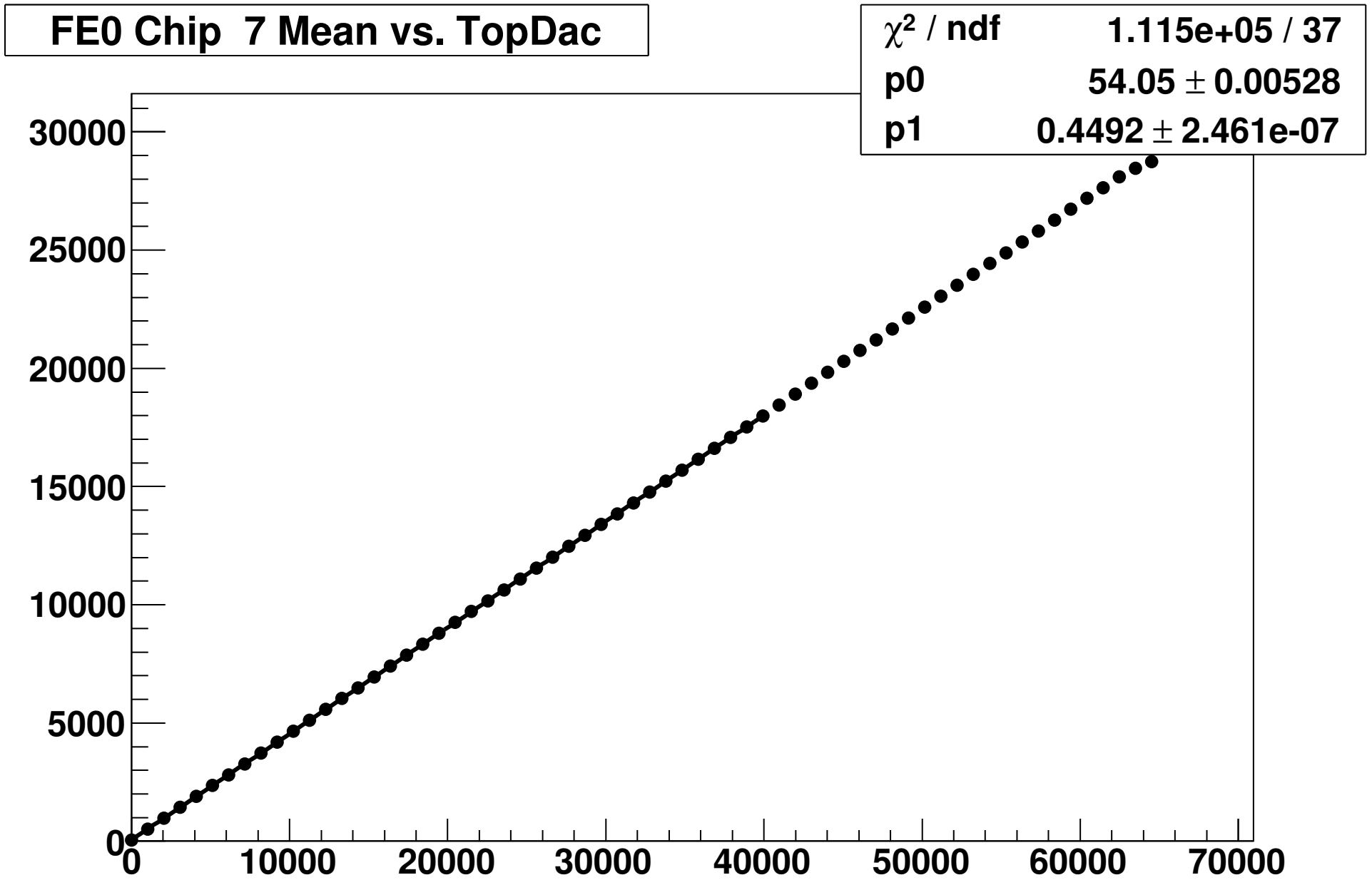

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 103.1 / 37
p0 1.526 ± 0.002797
p1 9.003e-06 ± 6.568e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

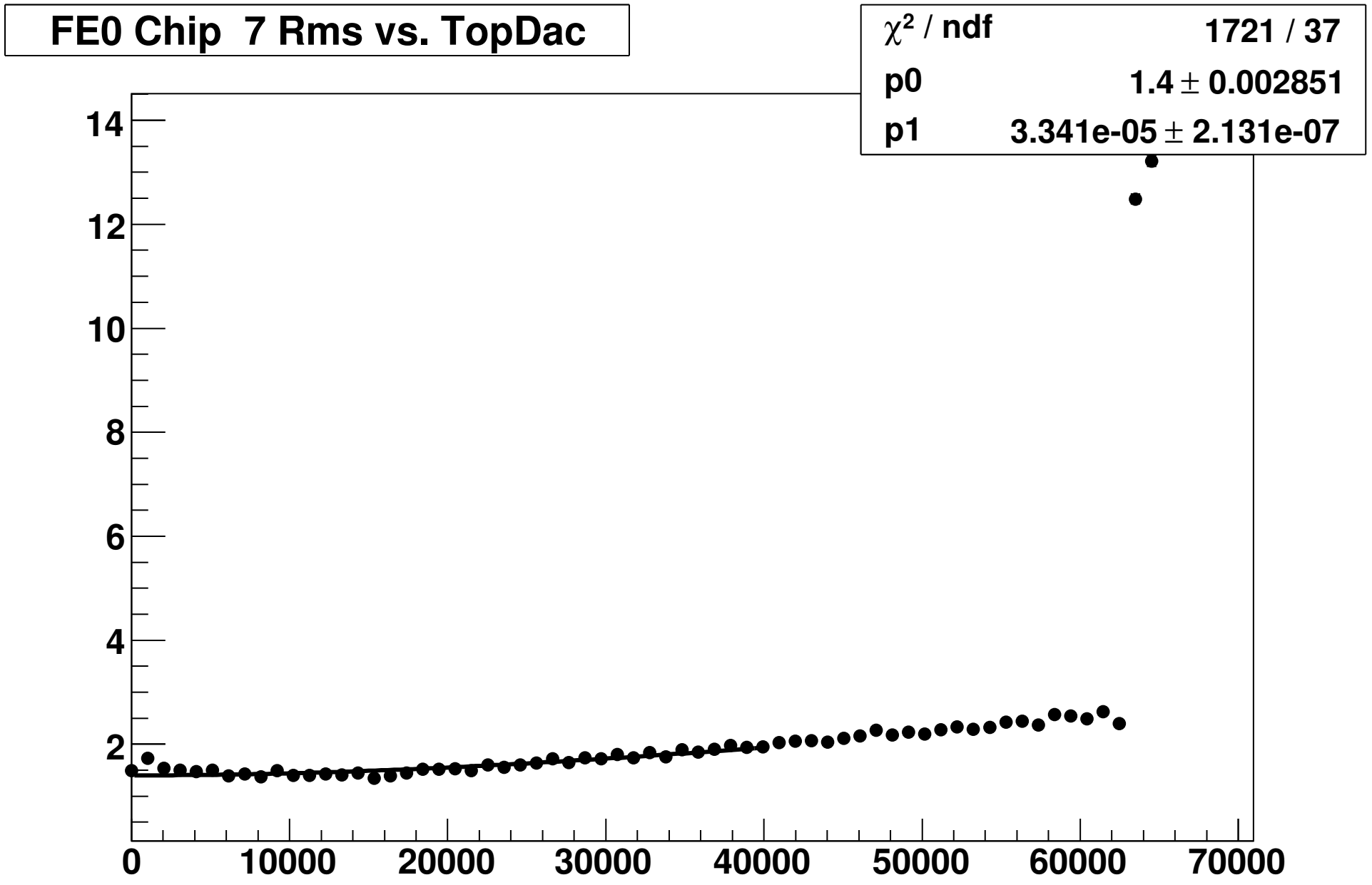

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.18e+05 / 37
p0 51.48 ± 0.005282
p1 0.4492 ± 2.464e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

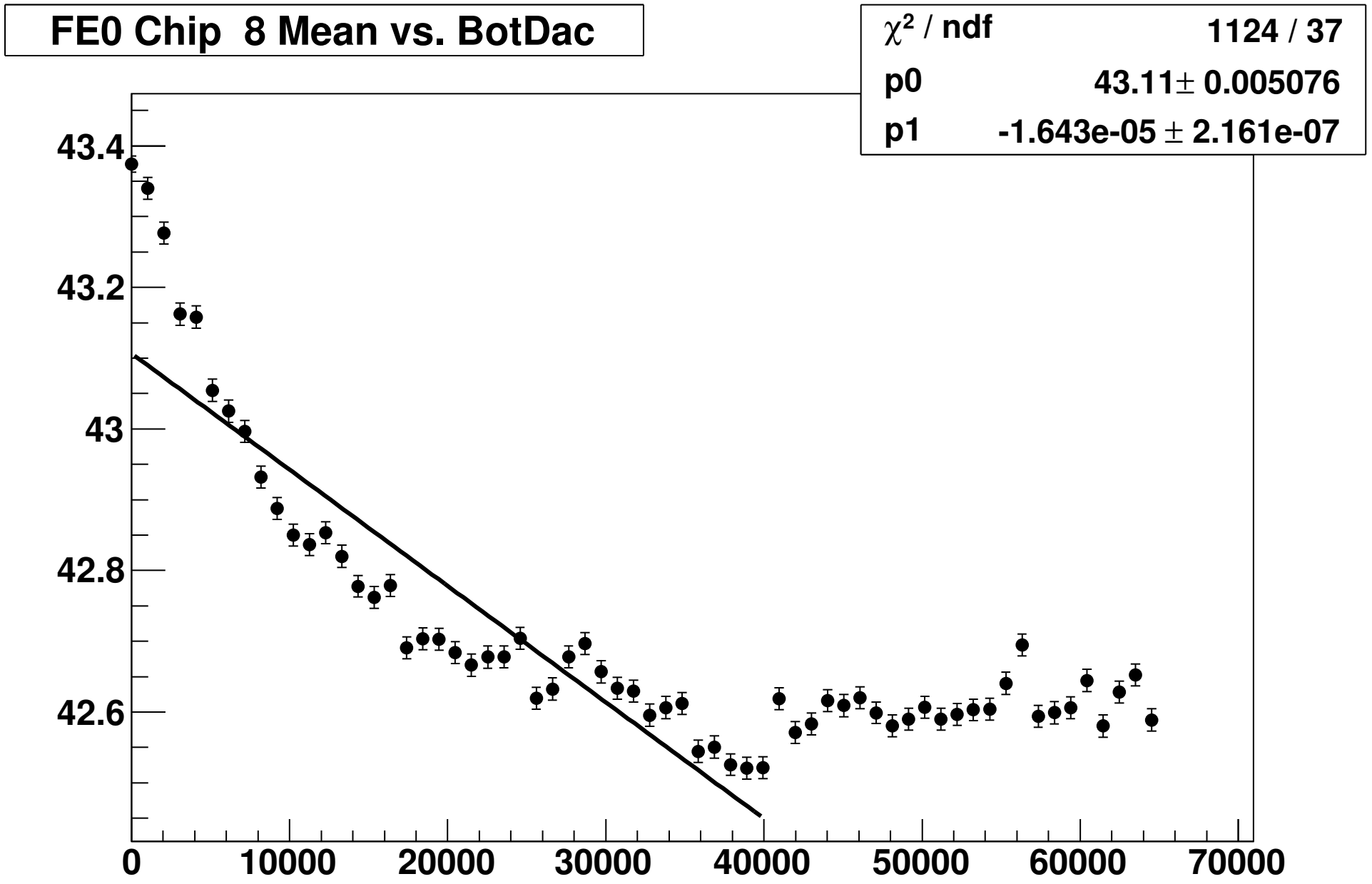

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 4279 / 37
p0 1.383 ± 0.002843
p1 3.378e-05 ± 2.085e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

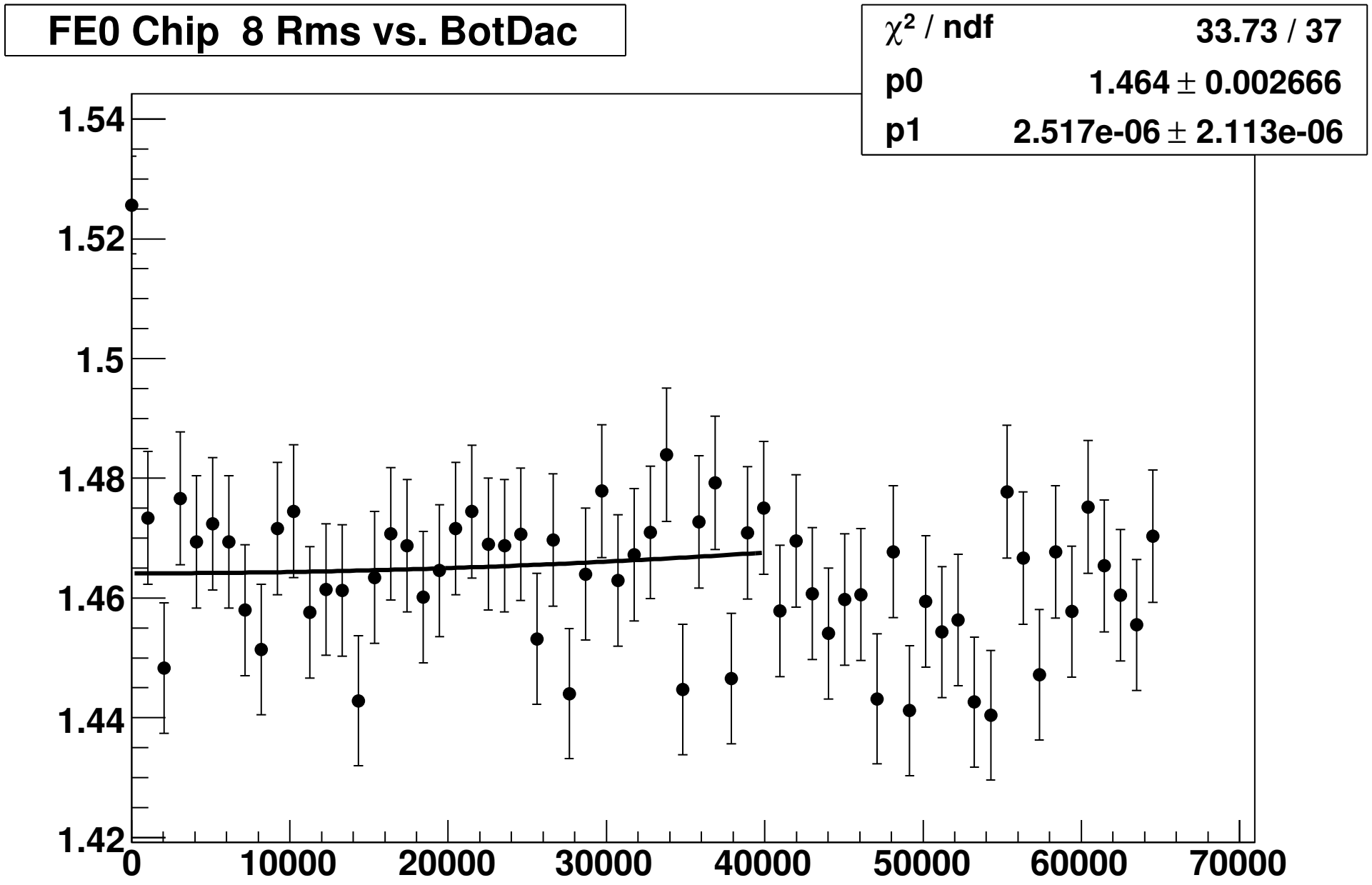

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 3377 / 37
p0 52.68 ± 0.005058
p1 -2.629e-05 ± 2.163e-07
53.2
53
52.8
52.6
52.4
52.2
52
51.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 52 / 37
p0 1.462 ± 0.00267
p1 7.118e-06 ± 7.559e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.115e+05 / 37
p0 54.05 ± 0.00528
p1 0.4492 ± 2.461e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1721 / 37
p0 1.4 ± 0.002851
p1 3.341e-05 ± 2.131e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 1124 / 37
p0 43.11 ± 0.005076
p1 -1.643e-05 ± 2.161e-07
43.4
43.2
43
42.8
42.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 33.73 / 37
p0 1.464 ± 0.002666
p1 2.517e-06 ± 2.113e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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30000
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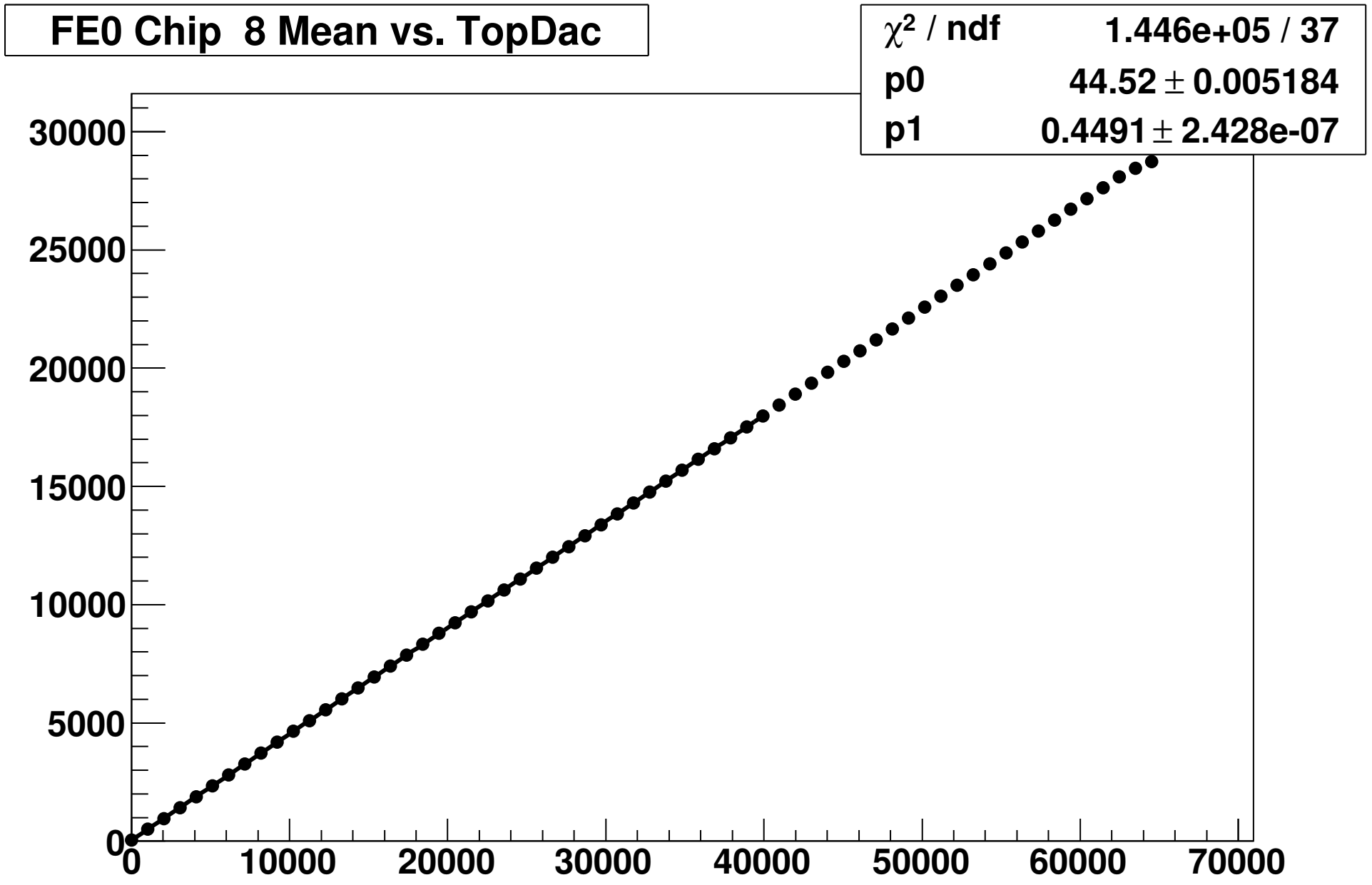
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.446e+05 / 37
p0 44.52 ± 0.005184
p1 0.4491 ± 2.428e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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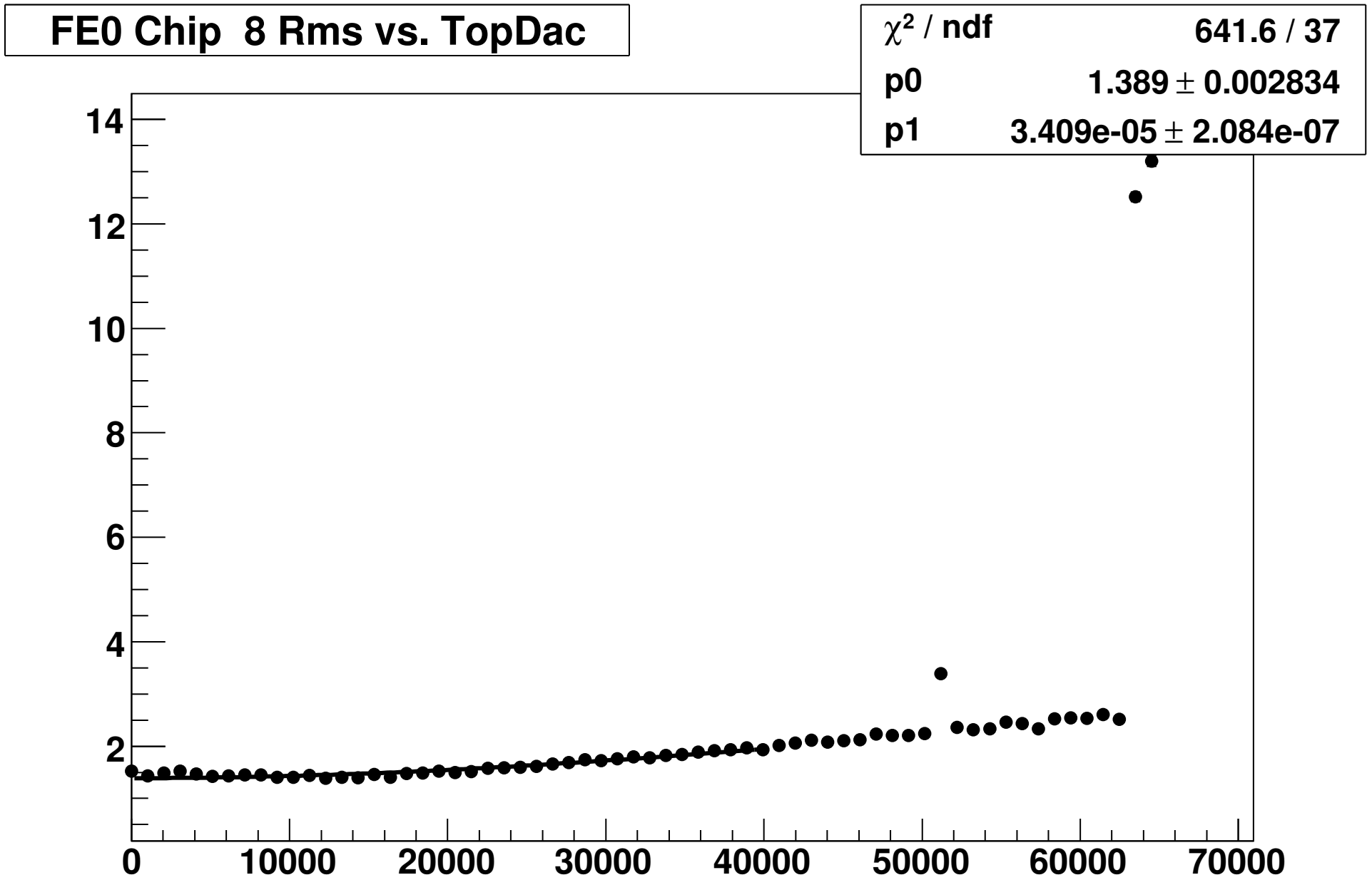
FE0 Chip 8 Rms vs. TopDac
χ² / ndf 641.6 / 37
p0 1.389 ± 0.002834
p1 3.409e-05 ± 2.084e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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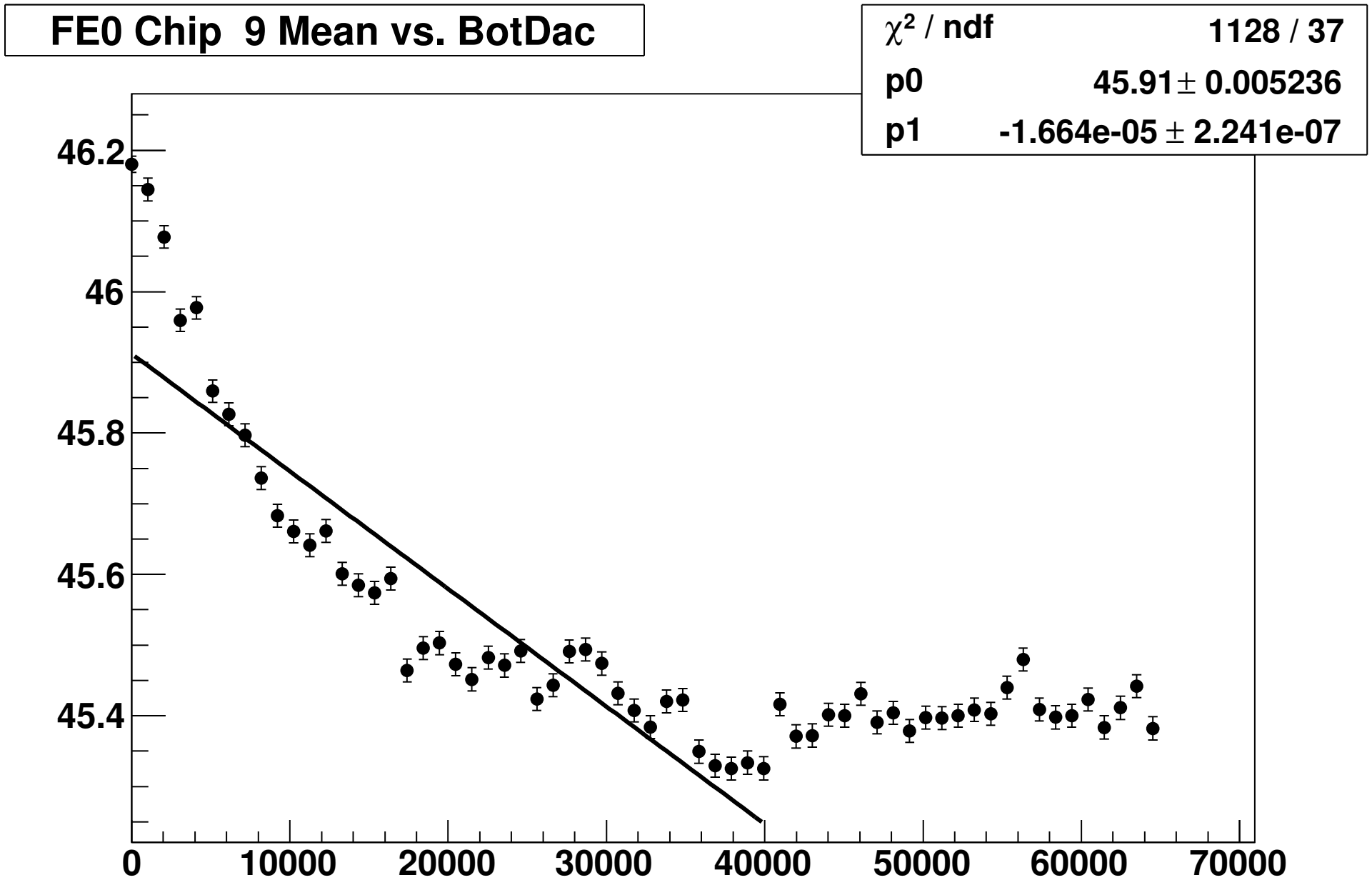
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 1128 / 37
p0 45.91 ± 0.005236
p1 -1.664e-05 ± 2.241e-07
46.2
46
45.8
45.6
45.4
0
10000
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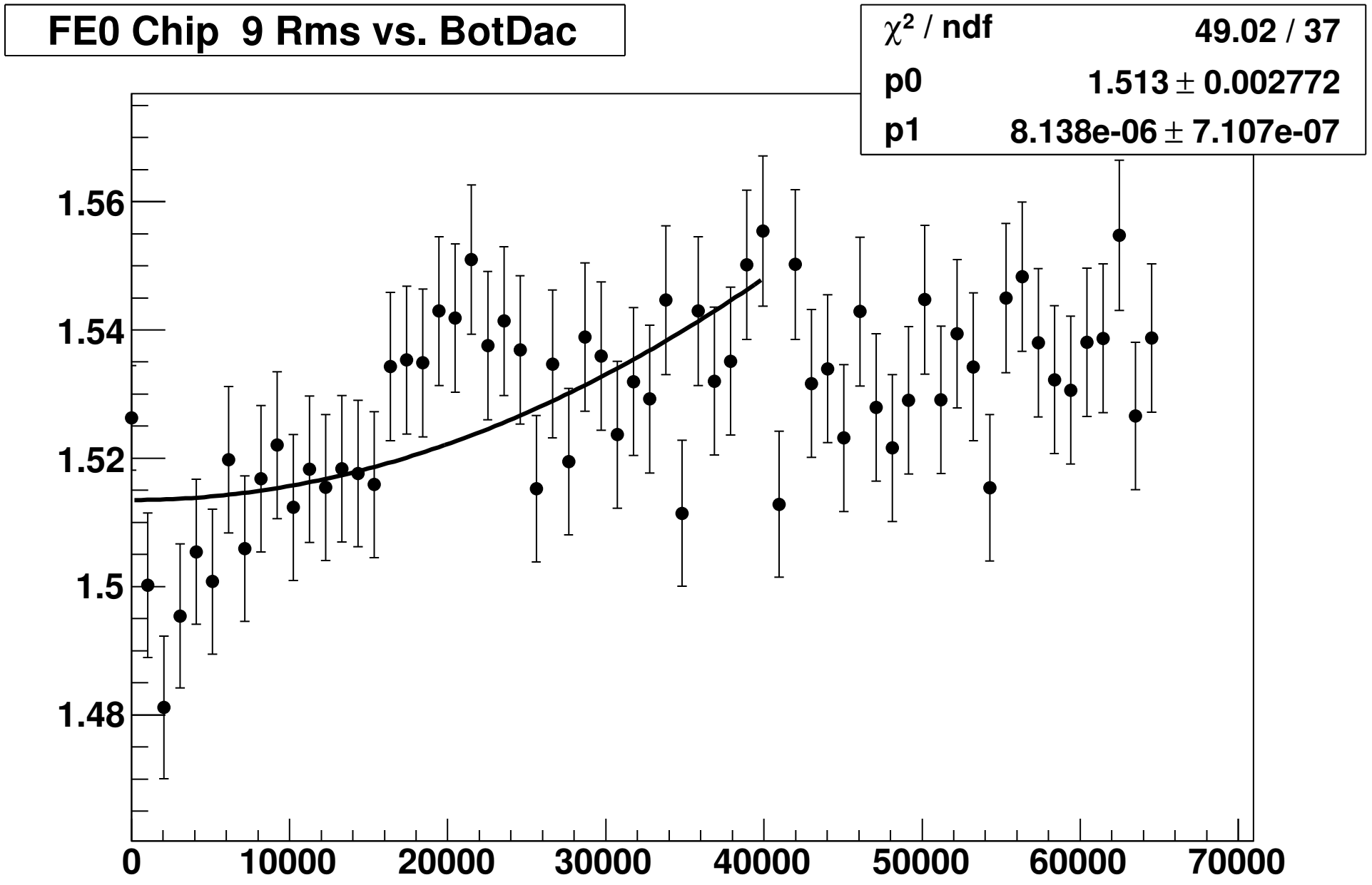
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 49.02 / 37
p0 1.513 ± 0.002772
p1 8.138e-06 ± 7.107e-07
1.56
1.54
1.52
1.5
1.48
0
10000
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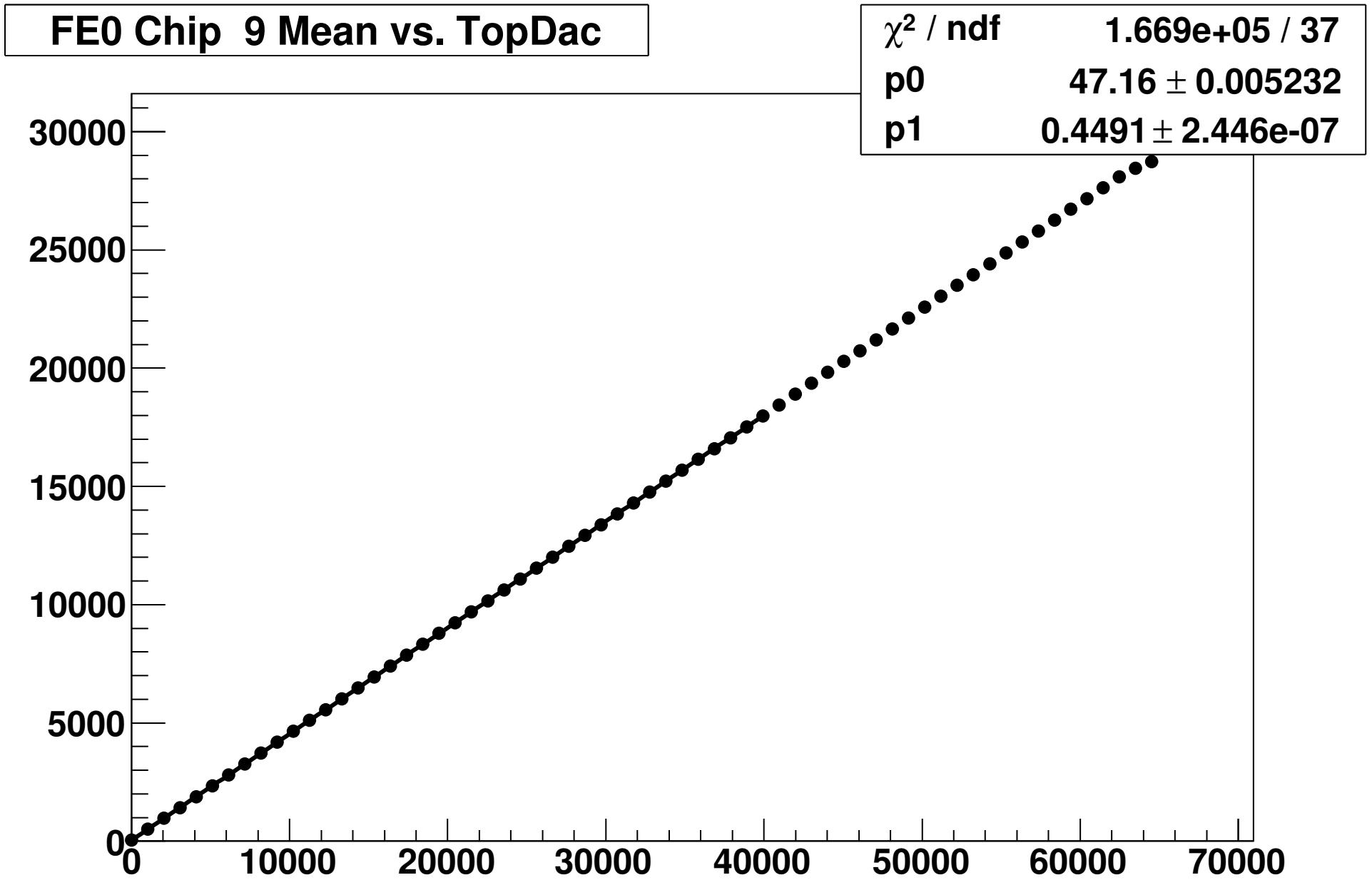
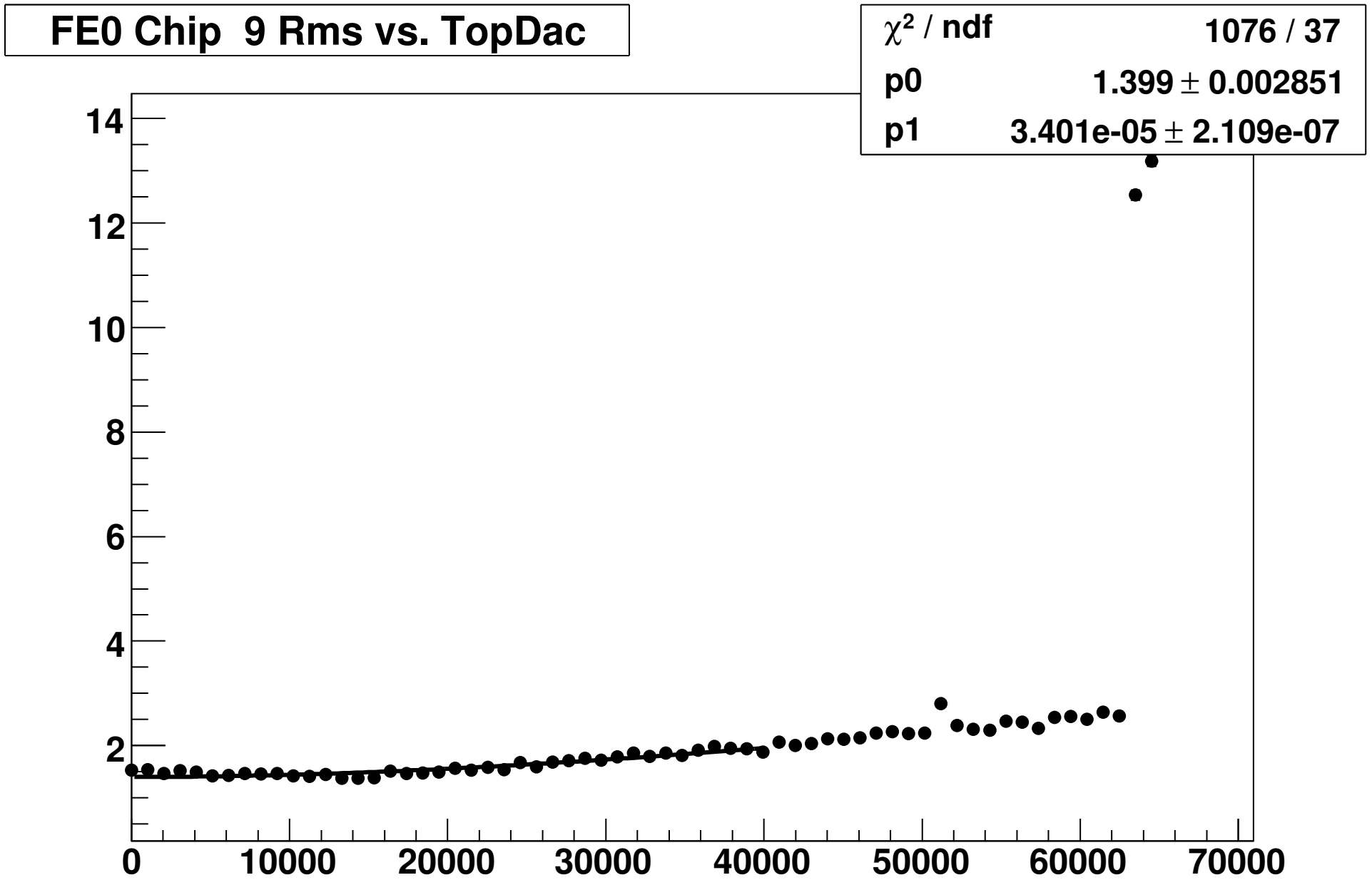
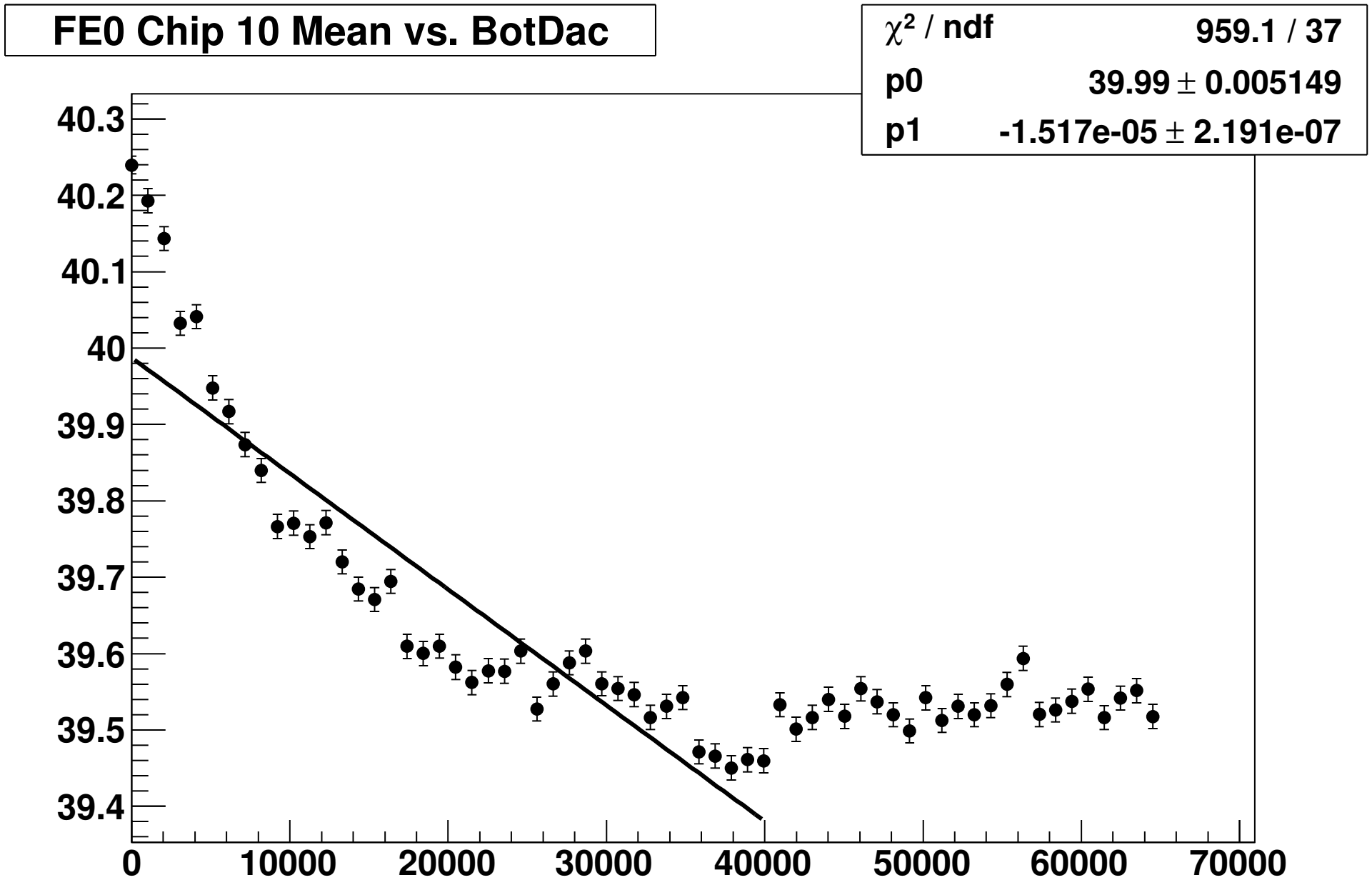
30000
40000
50000
60000
70000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.669e+05 / 37
p0 47.16 ± 0.005232
p1 0.4491 ± 2.446e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1076 / 37
p0 1.399 ± 0.002851
p1 3.401e-05 ± 2.109e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 959.1 / 37
p0 39.99 ± 0.005149
p1 -1.517e-05 ± 2.191e-07
40.3
40.2
40.1
40
39.9
39.8
39.7
39.6
39.5
39.4
0
10000
20000
30000
40000
50000
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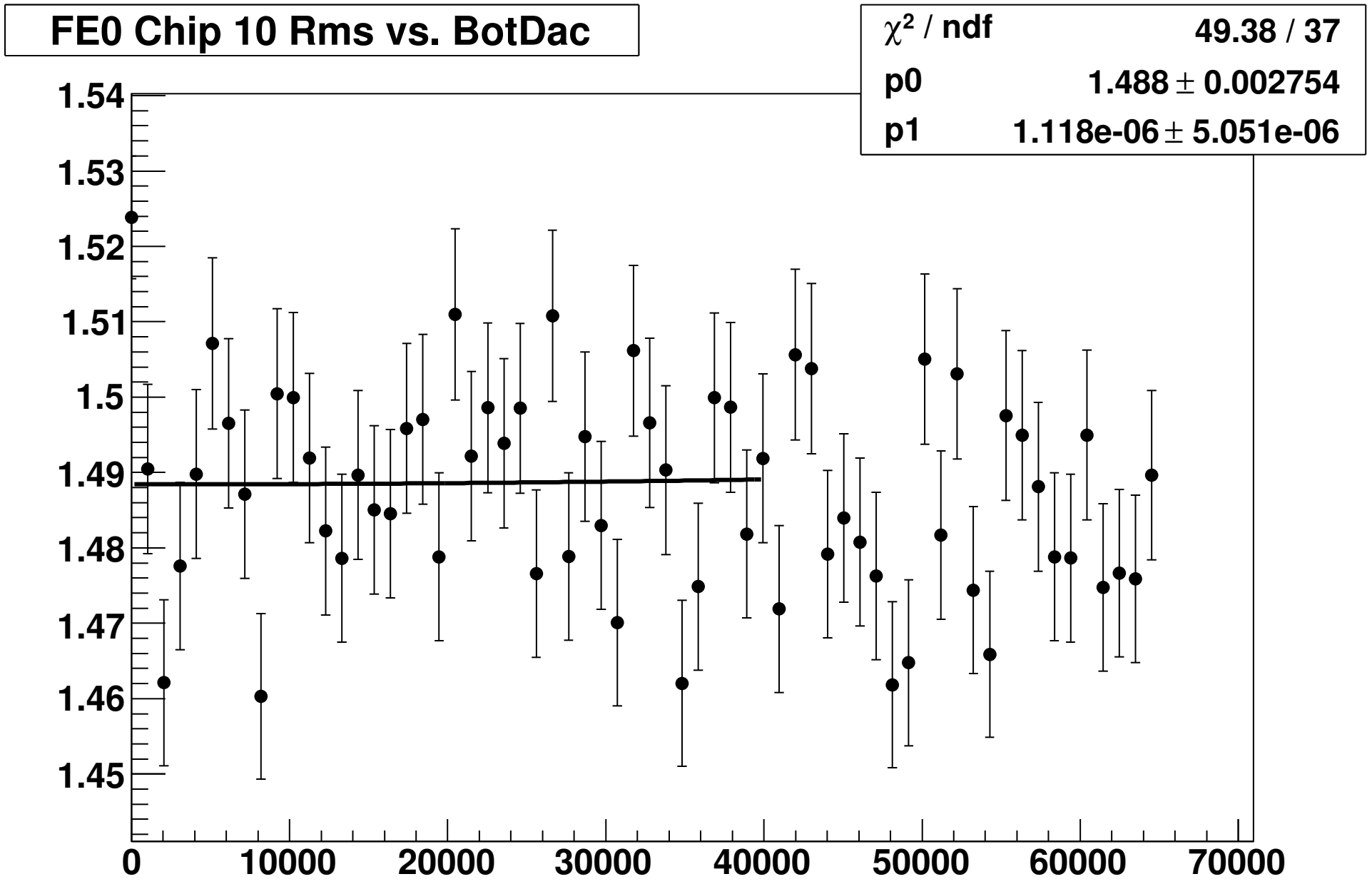
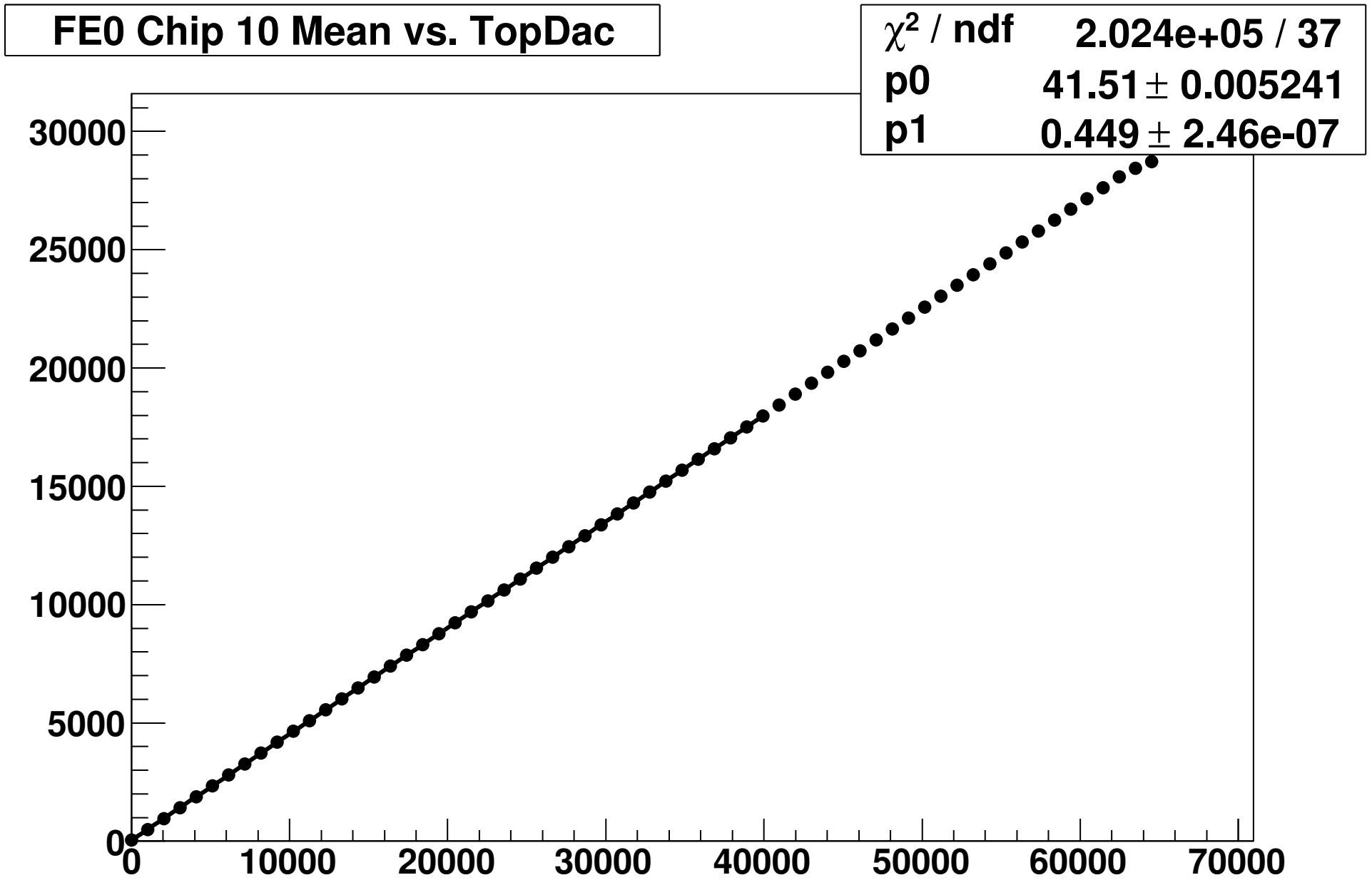
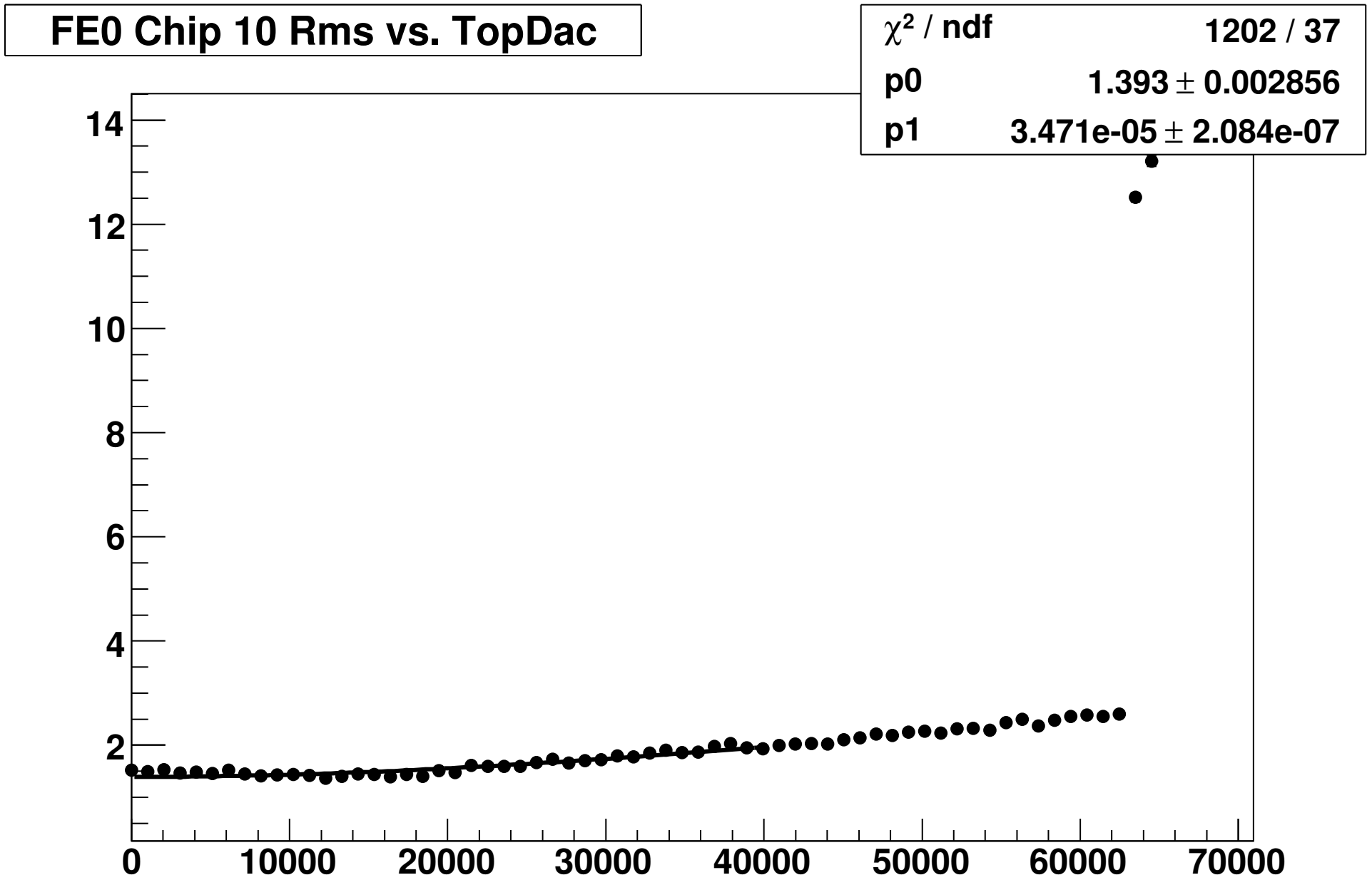
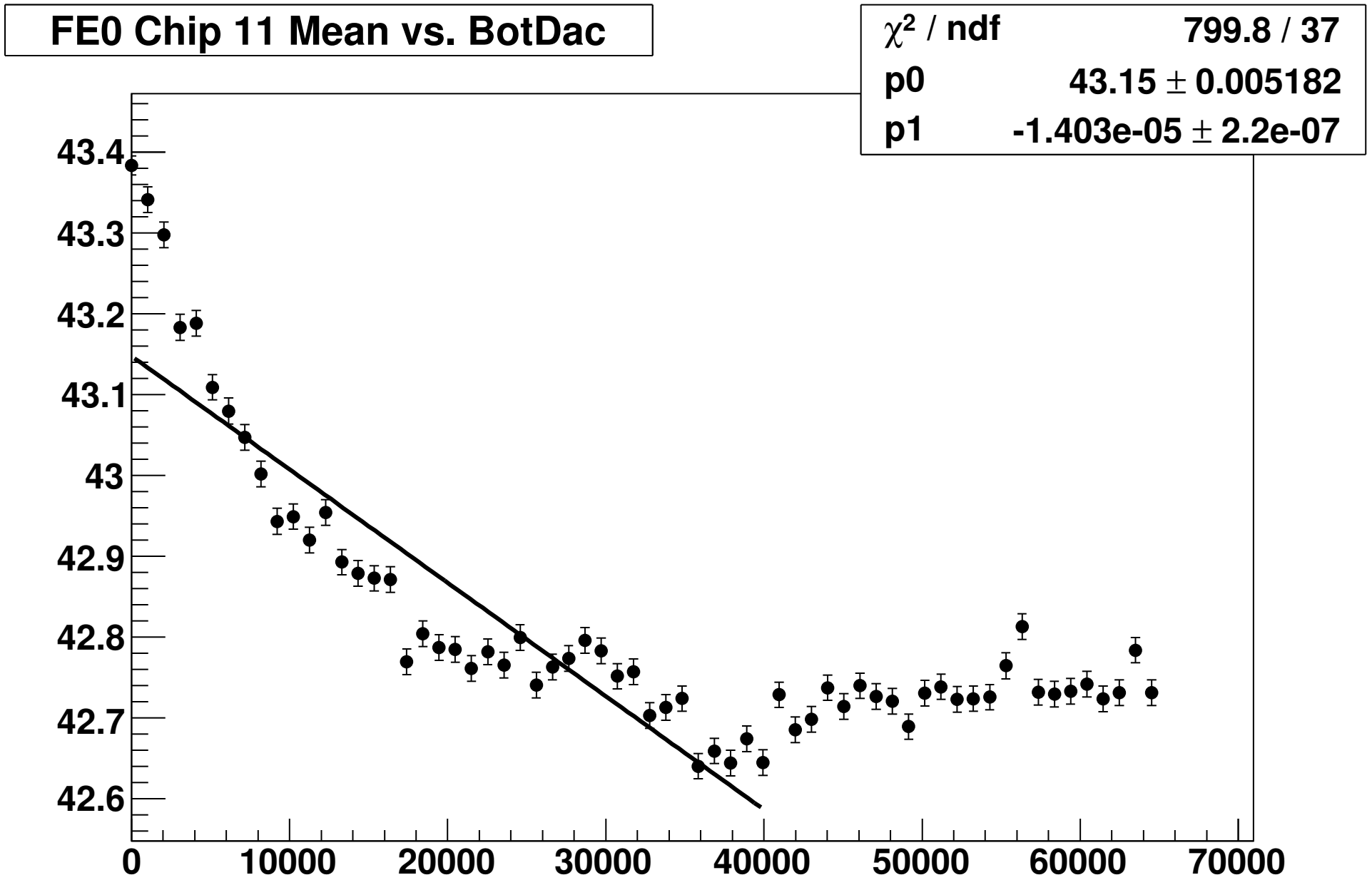
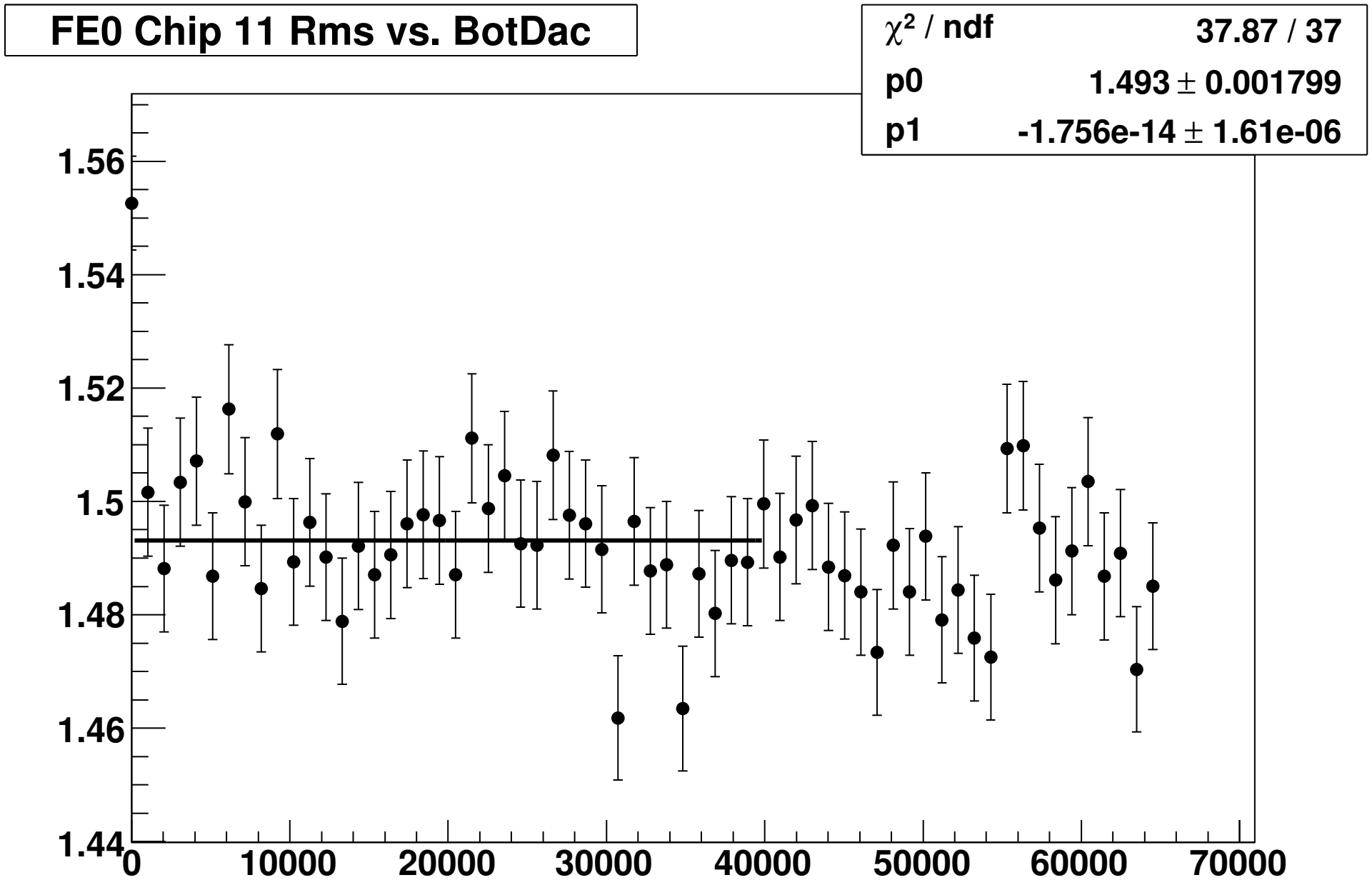
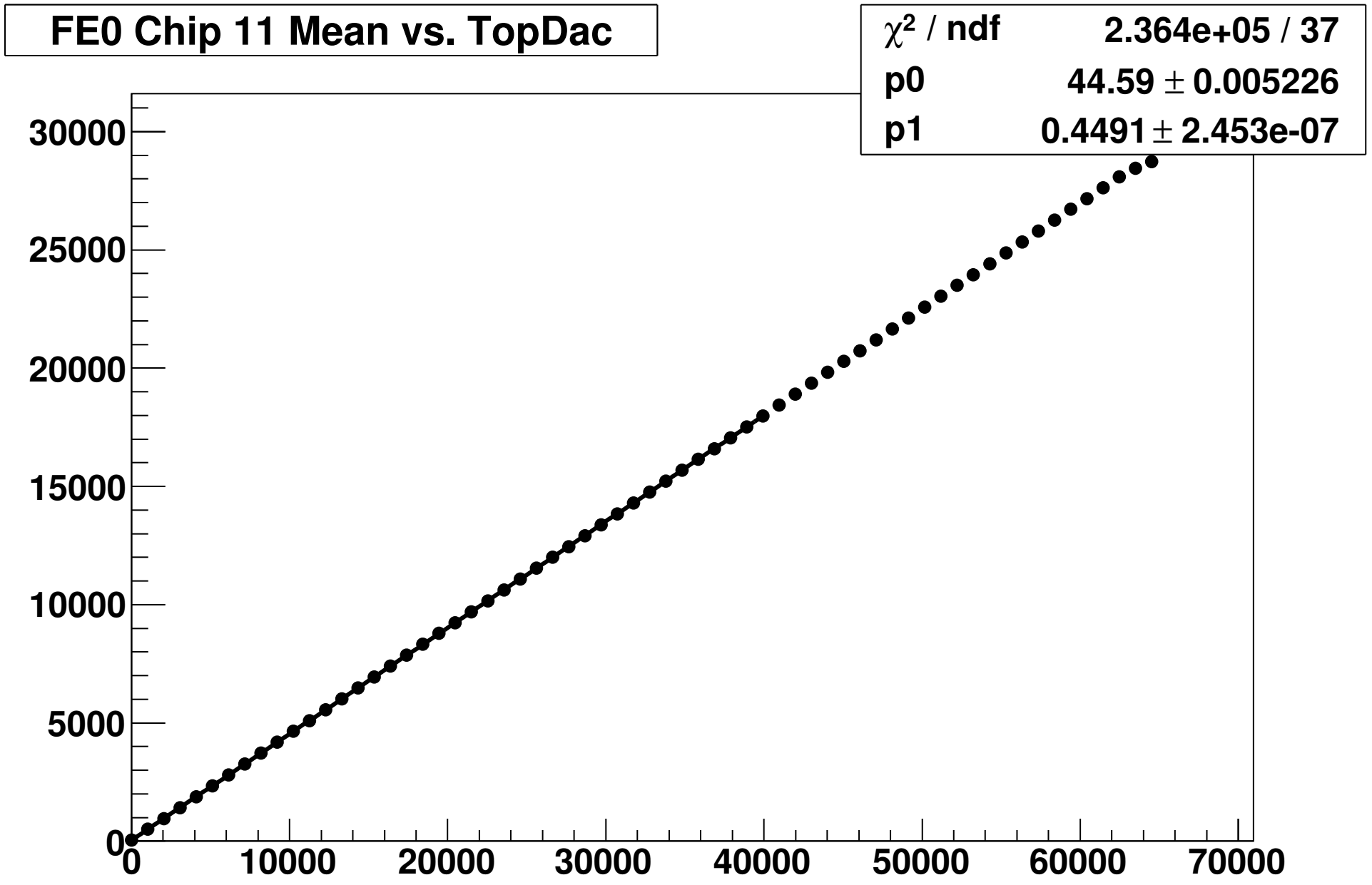

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 49.38 / 37
p0 1.488 ± 0.002754
p1 1.118e-06 ± 5.051e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

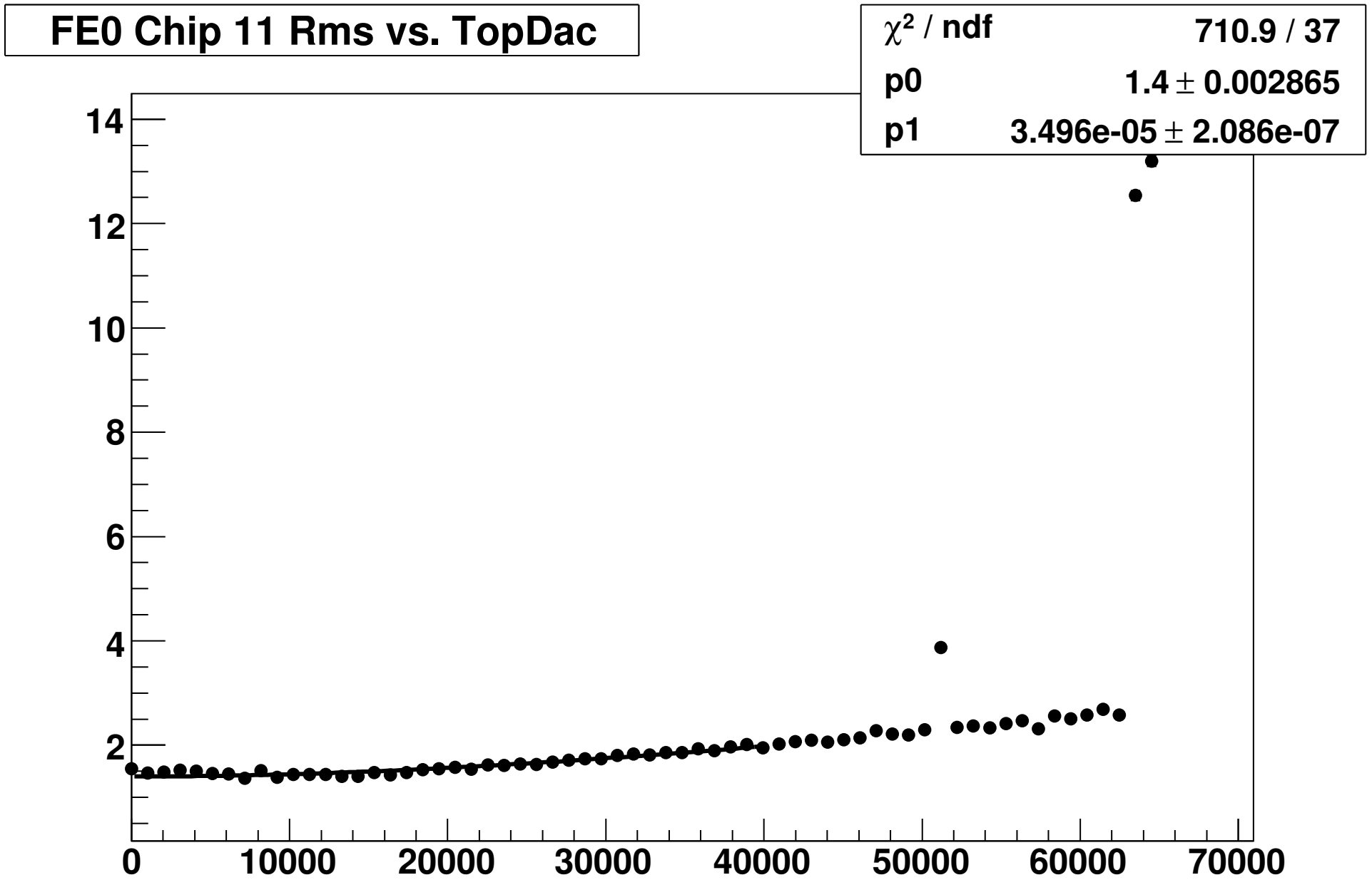

FE0 Chip 10 Mean vs. TopDac
χ² / ndf 2.024e+05 / 37
p0 41.51 ± 0.005241
p1 0.449 ± 2.46e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

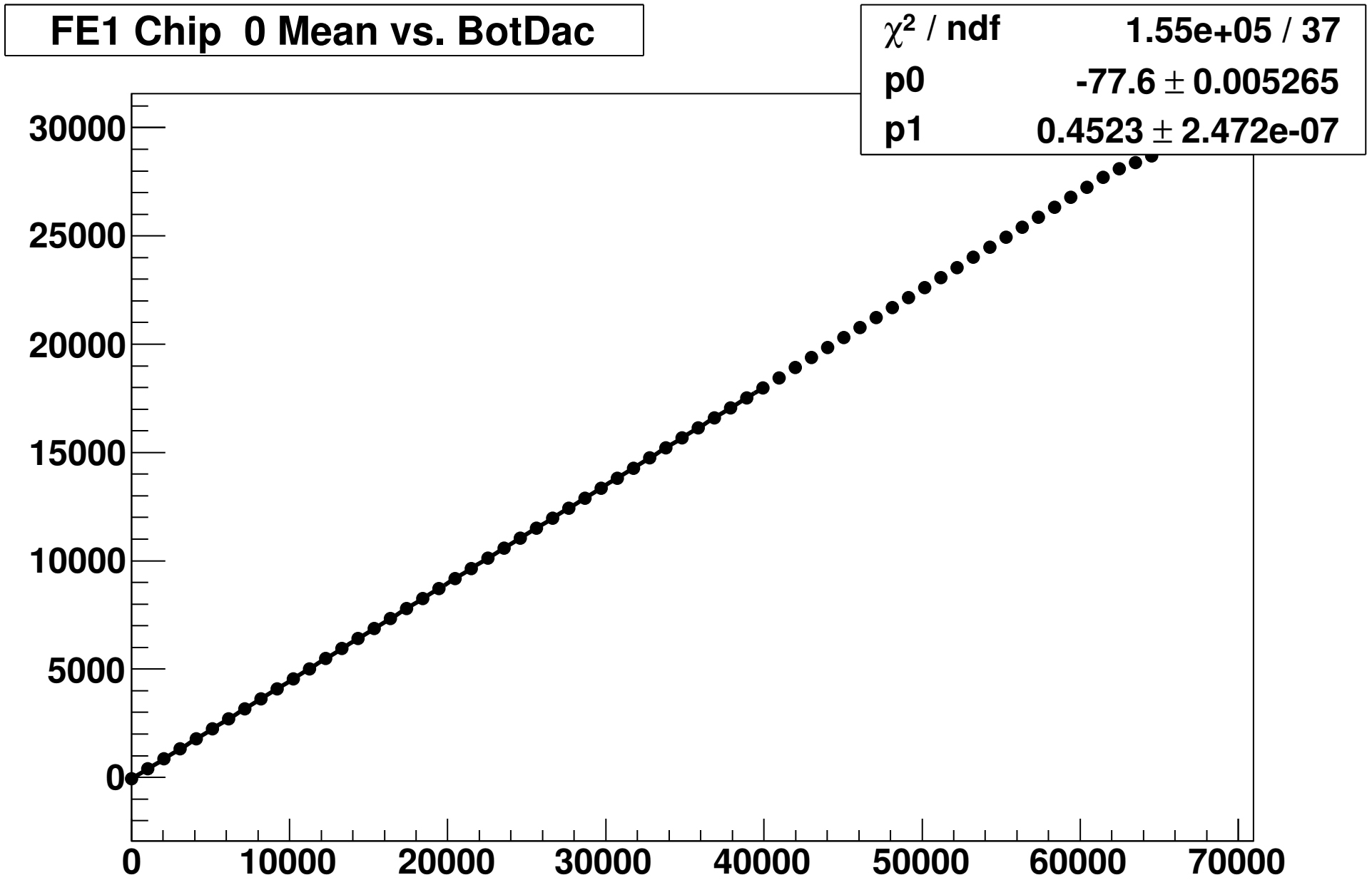

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 1202 / 37
p0 1.393 ± 0.002856
p1 3.471e-05 ± 2.084e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

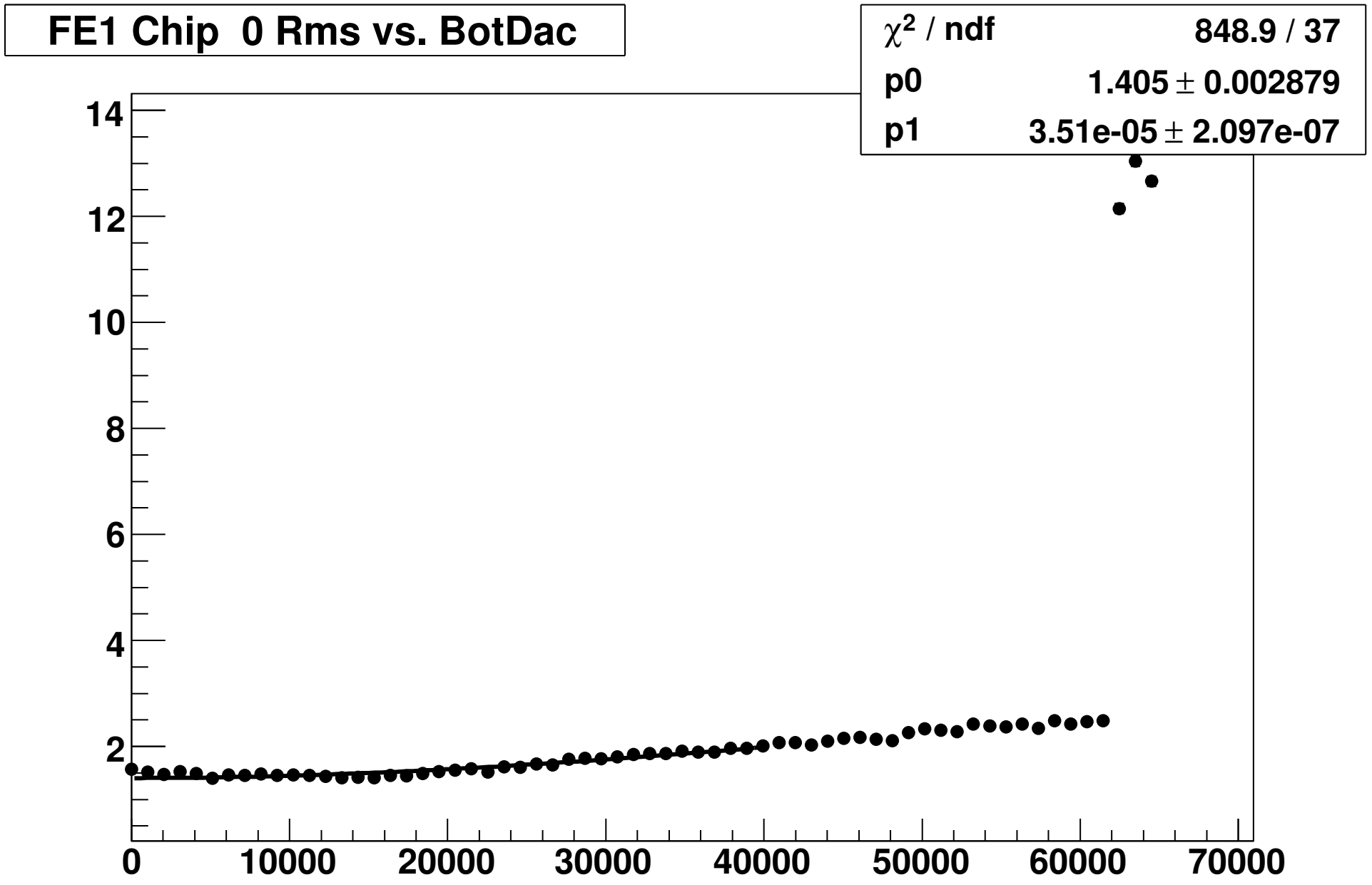

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 799.8 / 37
p0 43.15 ± 0.005182
p1 -1.403e-05 ± 2.2e-07
43.4
43.3
43.2
43.1
43
42.9
42.8
42.7
42.6
0
10000
20000
30000
40000
50000
60000
70000

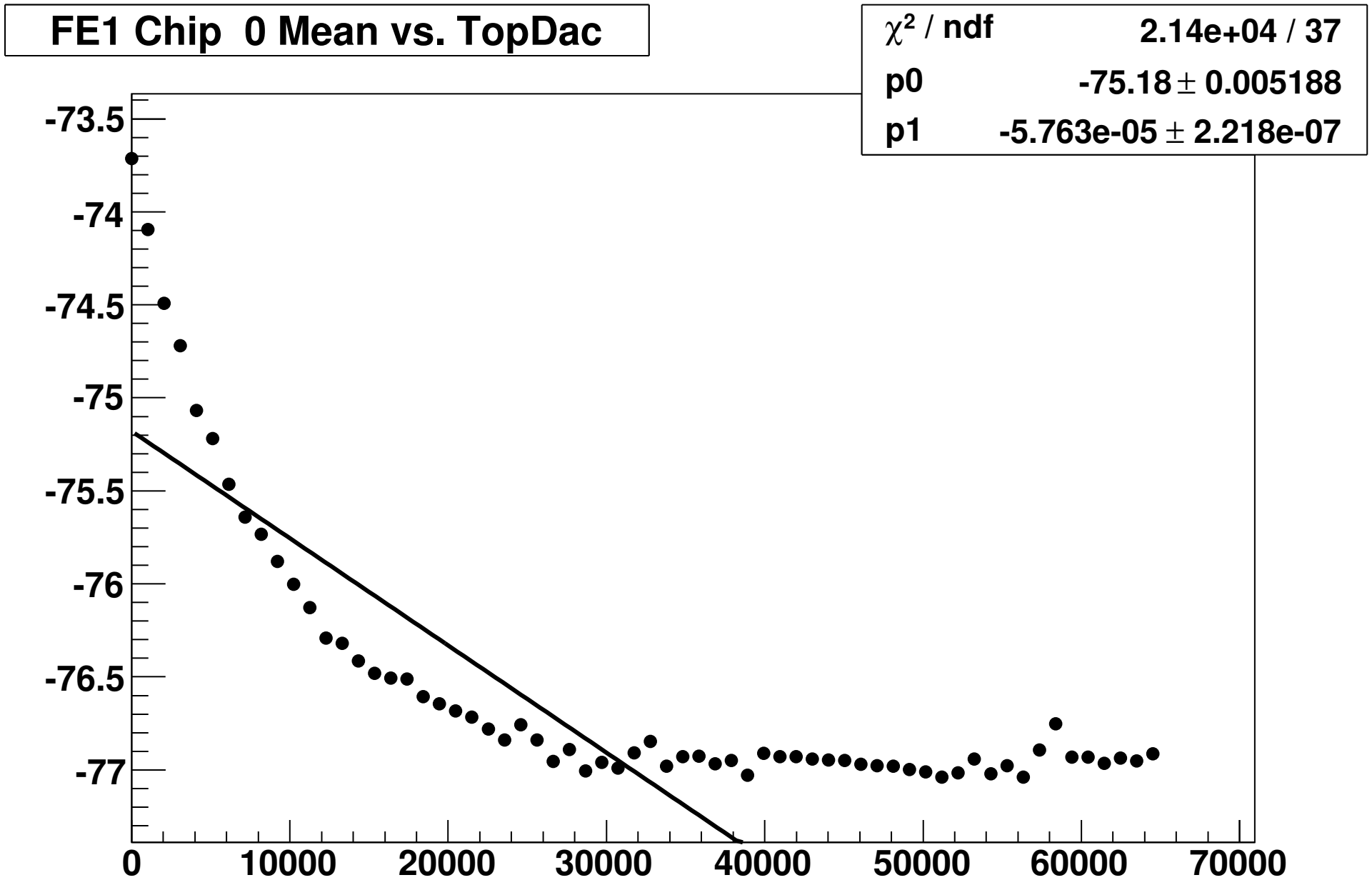

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 37.87 / 37
p0 1.493 ± 0.001799
p1 -1.756e-14 ± 1.61e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

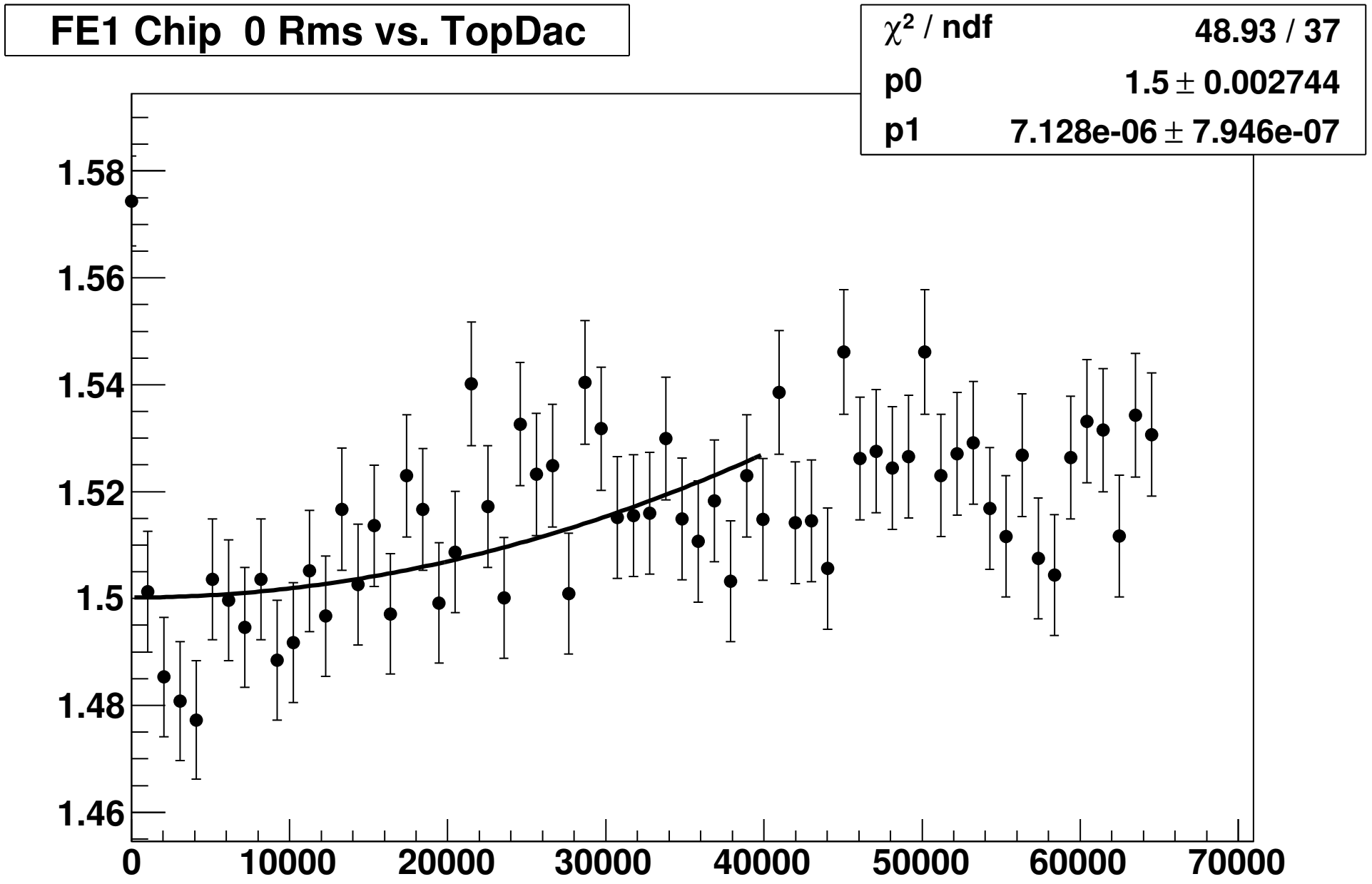

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 2.364e+05 / 37
p0 44.59 ± 0.005226
p1 0.4491 ± 2.453e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

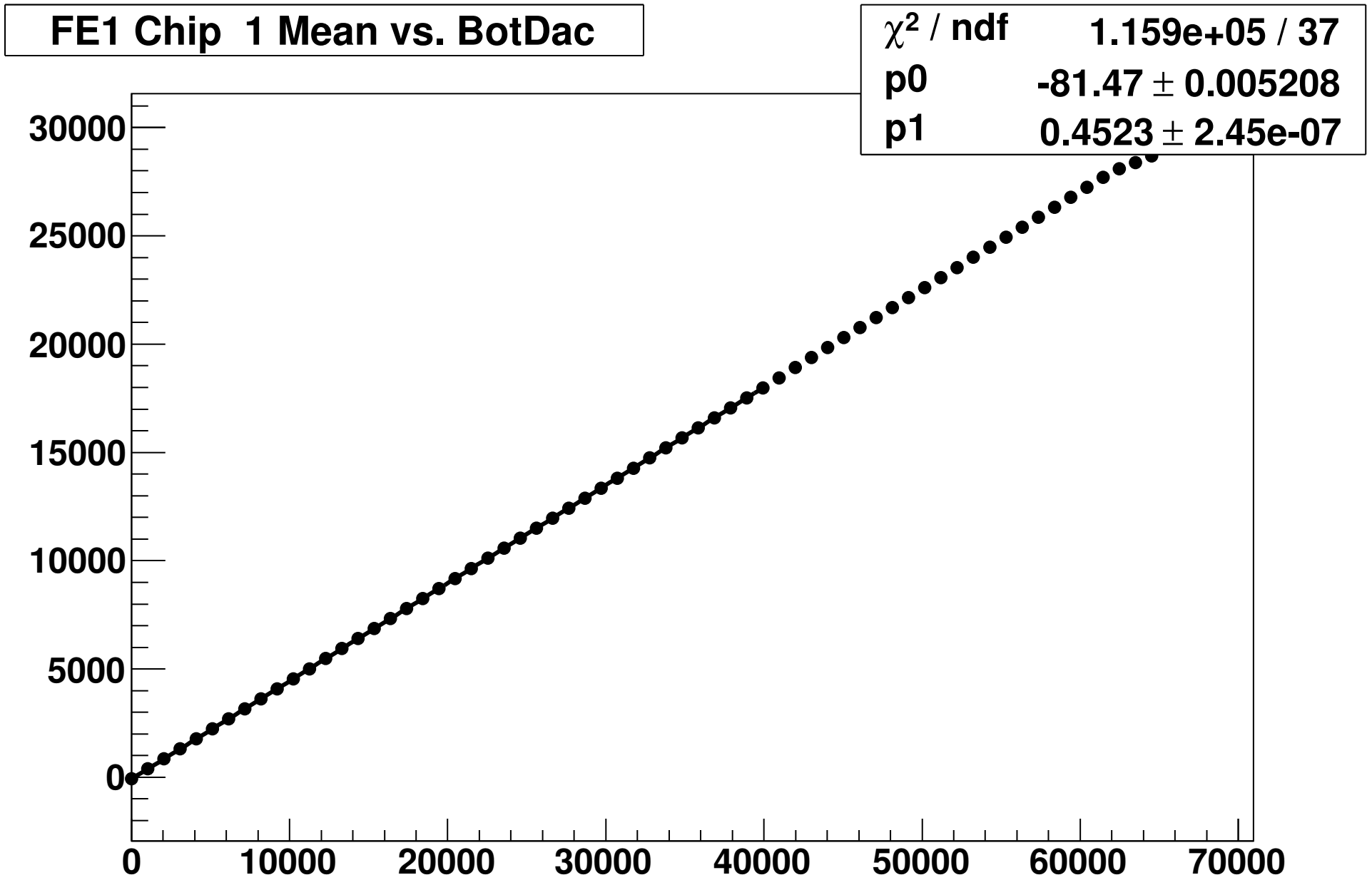

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 710.9 / 37
p0 1.4 ± 0.002865
p1 3.496e-05 ± 2.086e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 1.55e+05 / 37
p0 -77.6 ± 0.005265
p1 0.4523 ± 2.472e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 848.9 / 37
p0 1.405 ± 0.002879
p1 3.51e-05 ± 2.097e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 2.14e+04 / 37
p0 -75.18 ± 0.005188
p1 -5.763e-05 ± 2.218e-07
-73.5
-74
-74.5
-75
-75.5
-76
-76.5
-77
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 48.93 / 37
p0 1.5 ± 0.002744
p1 7.128e-06 ± 7.946e-07
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 1.159e+05 / 37
p0 -81.47 ± 0.005208
p1 0.4523 ± 2.45e-07
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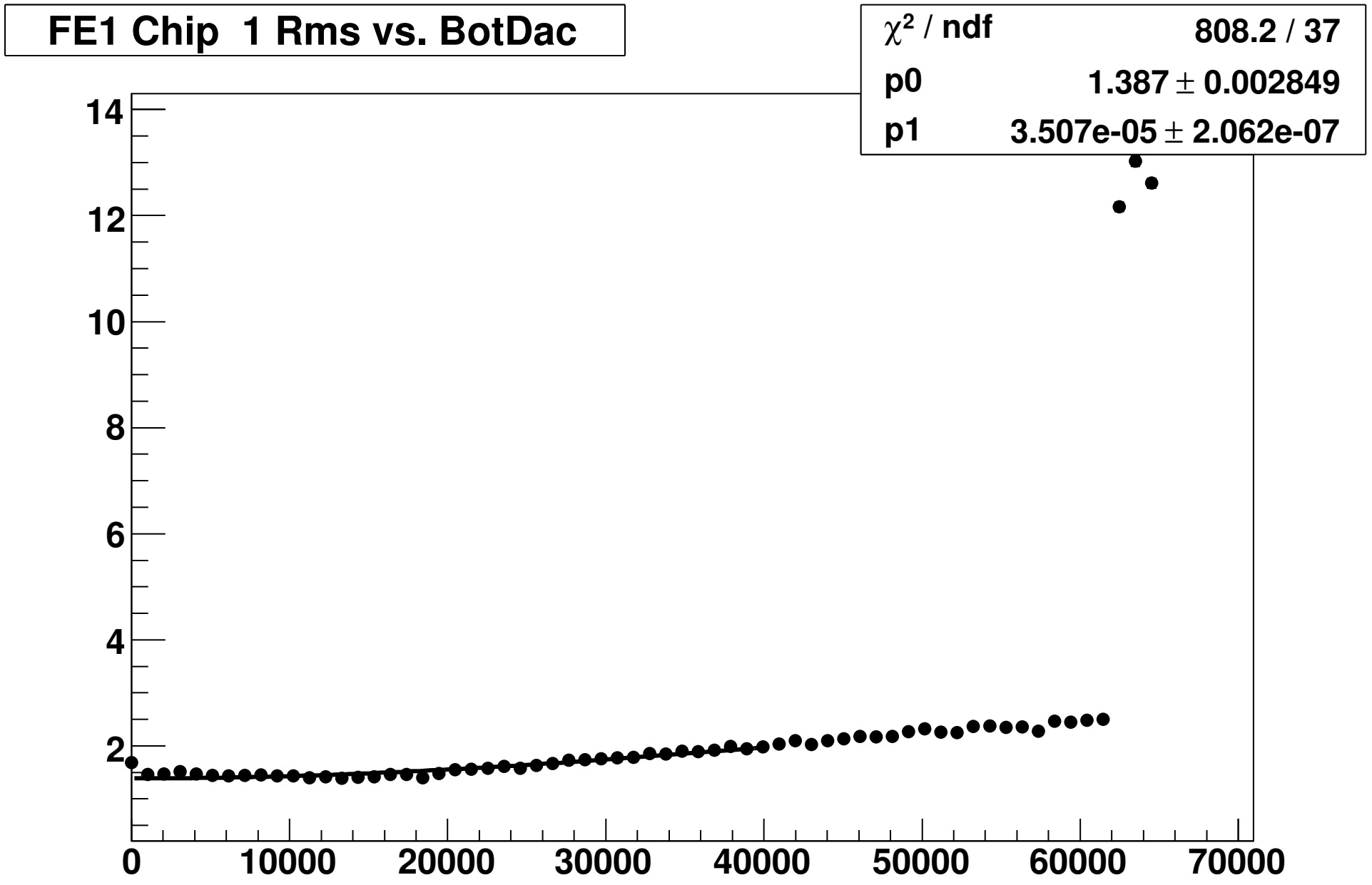
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 808.2 / 37
p0 1.387 ± 0.002849
p1 3.507e-05 ± 2.062e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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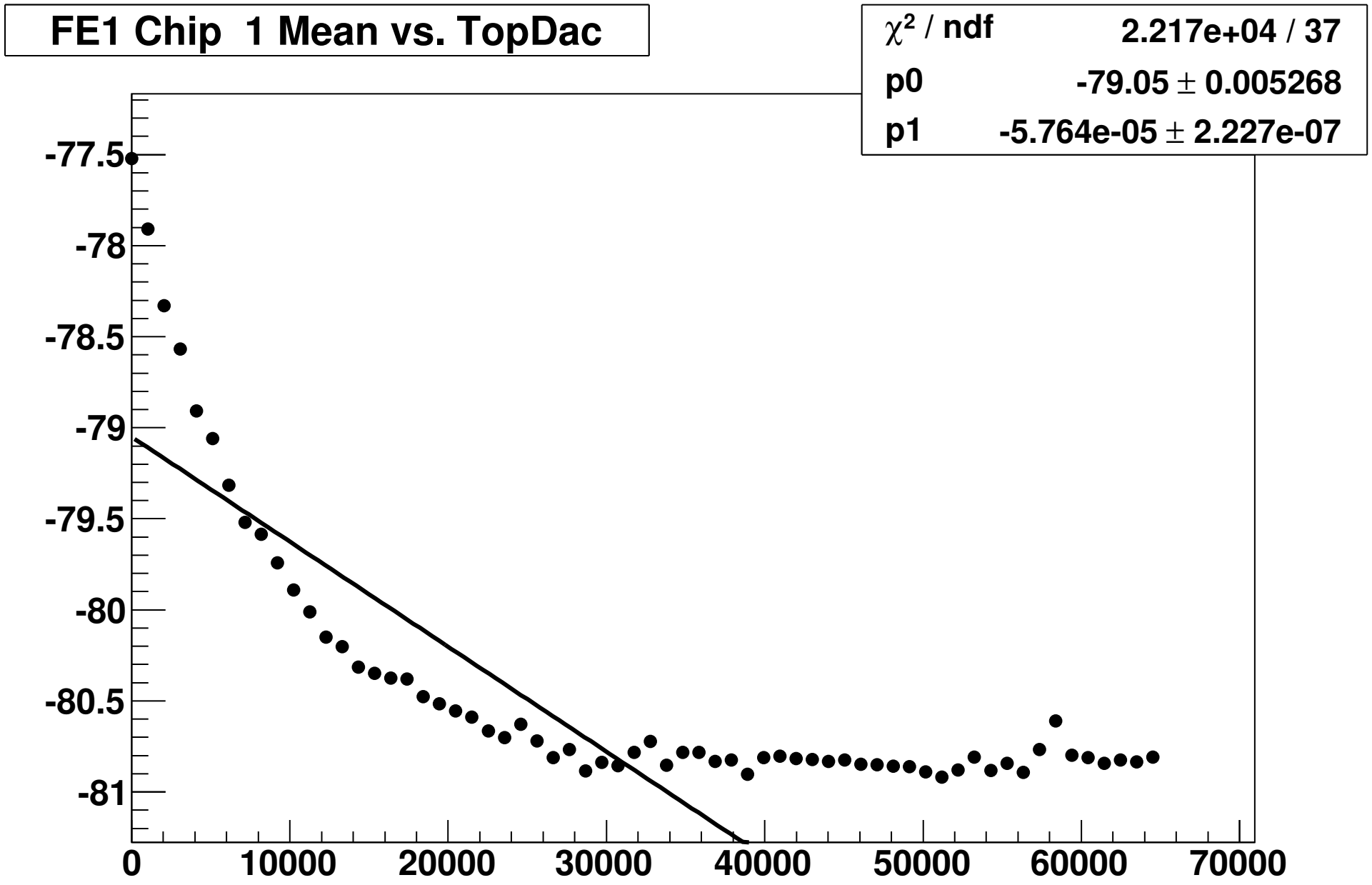
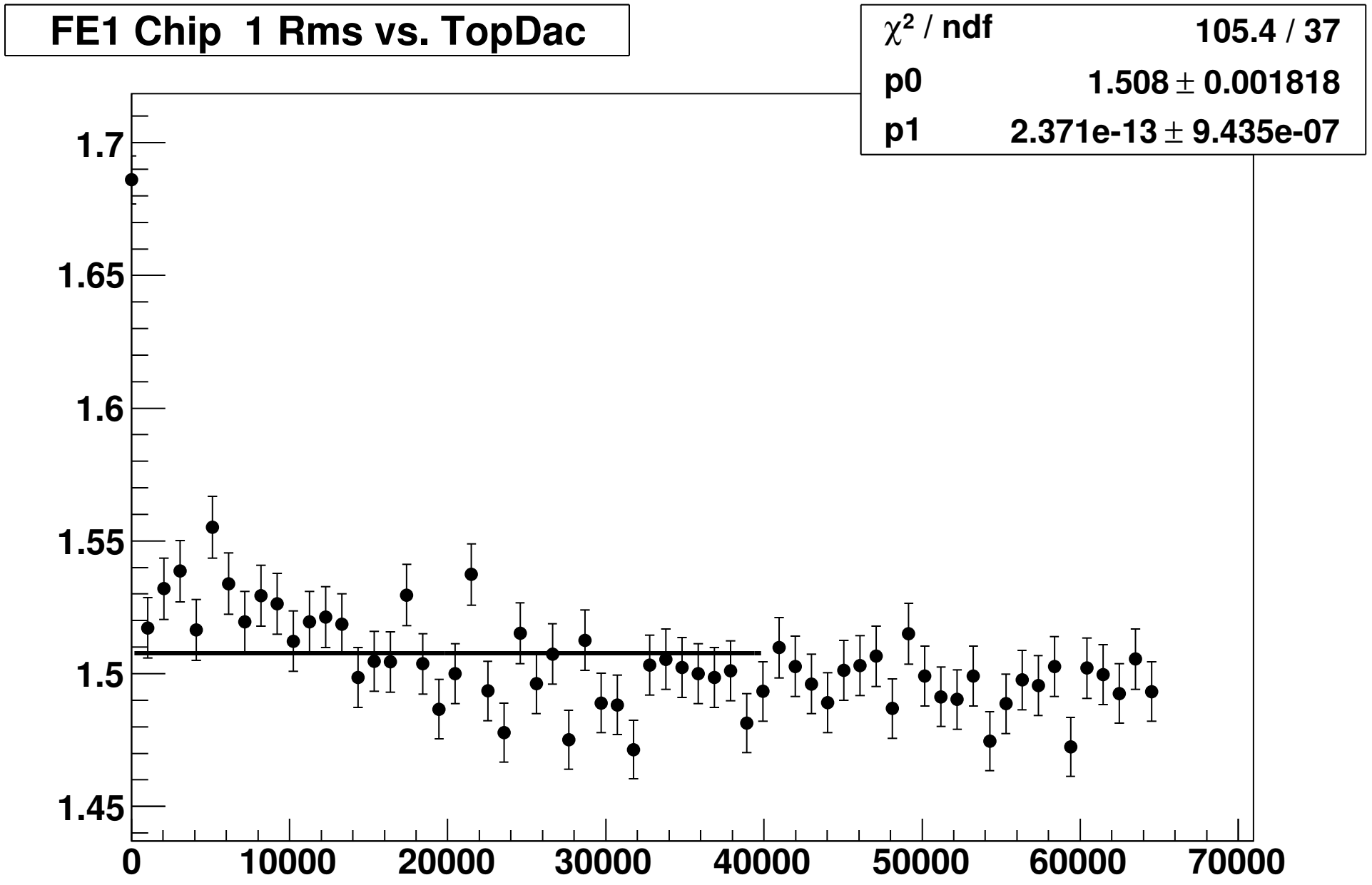
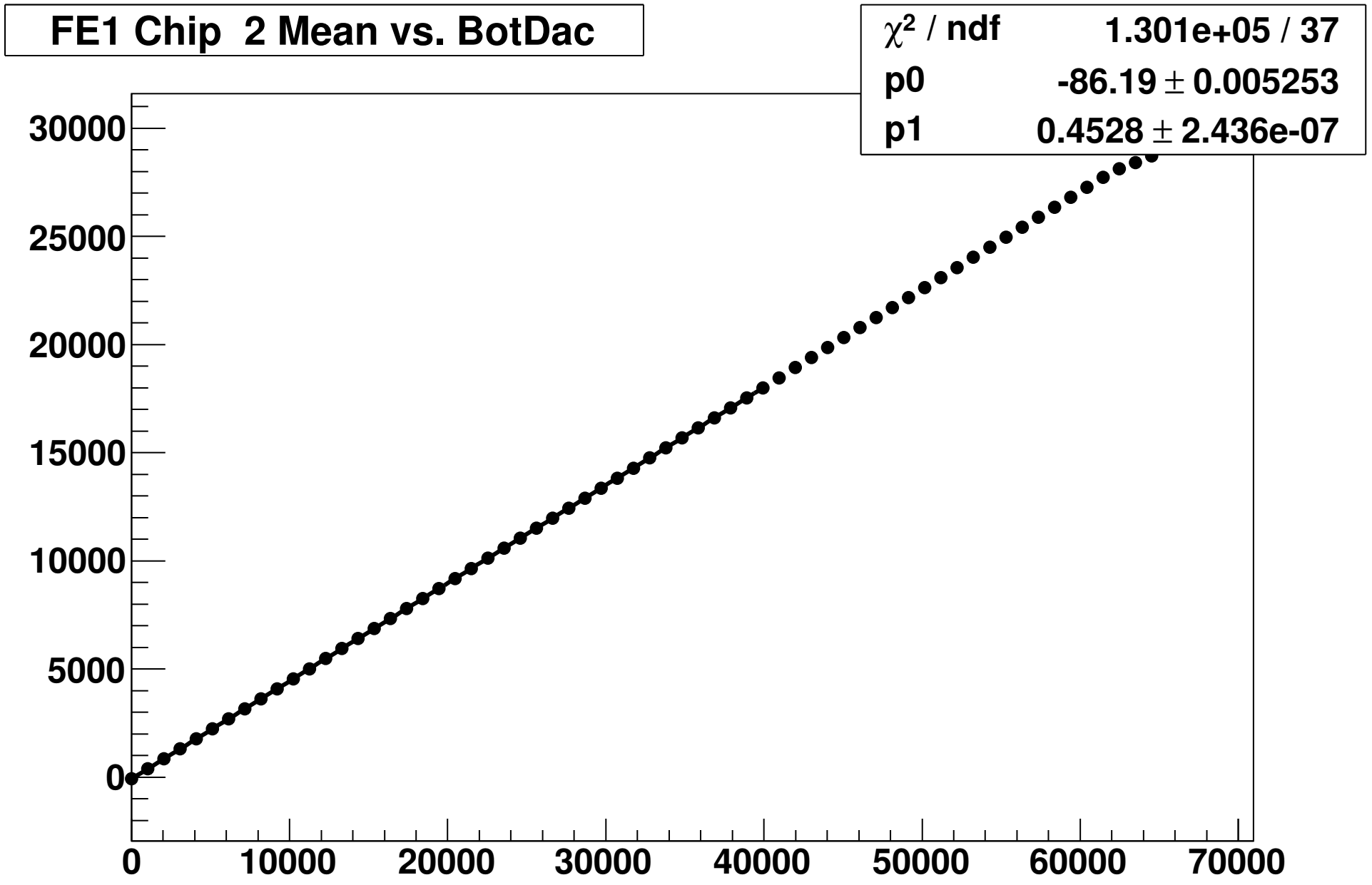
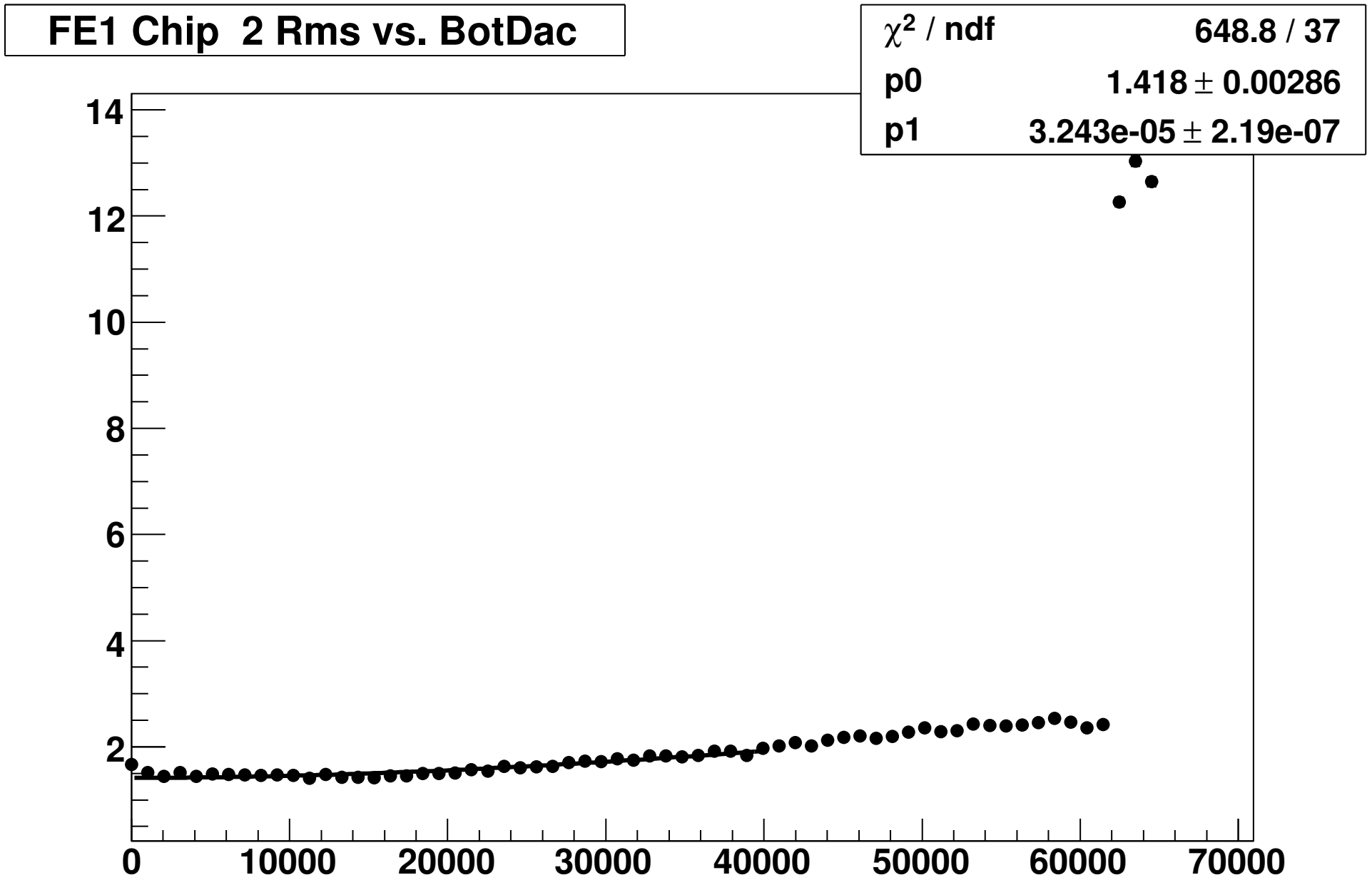
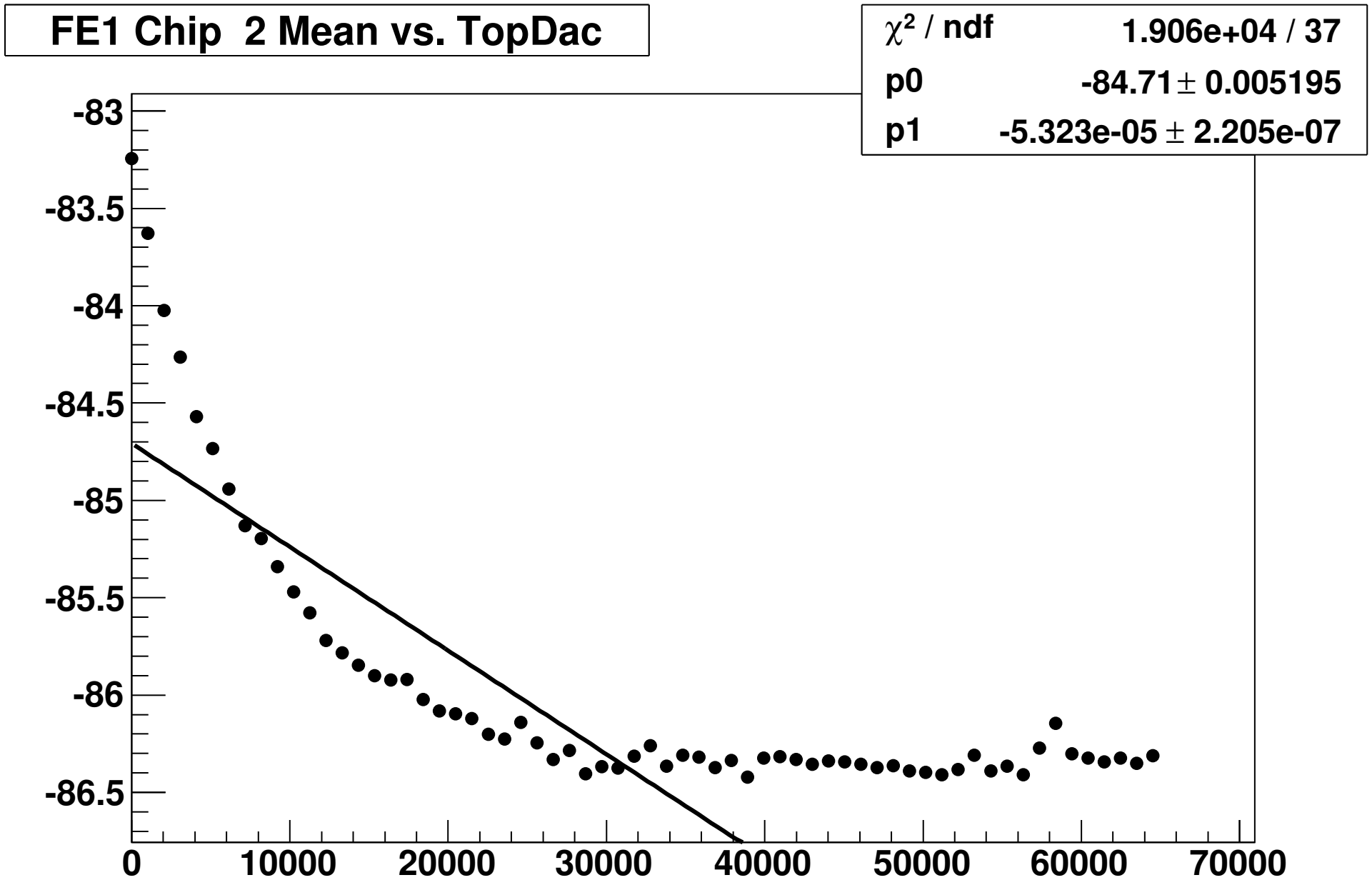
60000
70000

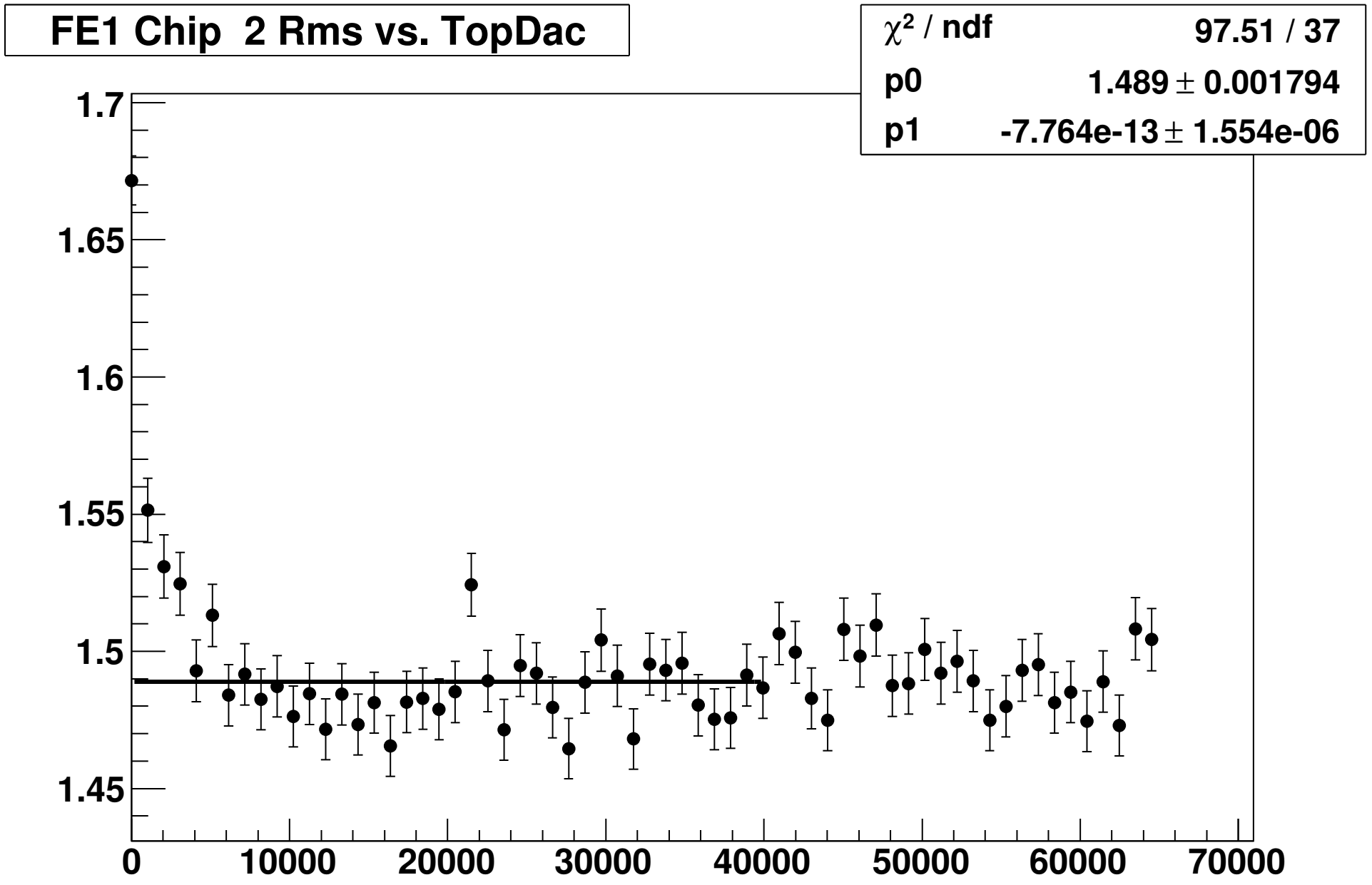

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 2.217e+04 / 37
p0 -79.05 ± 0.005268
p1 -5.764e-05 ± 2.227e-07
-77.5
-78
-78.5
-79
-79.5
-80
-80.5
-81
0
10000
20000
30000
40000
50000
60000
70000

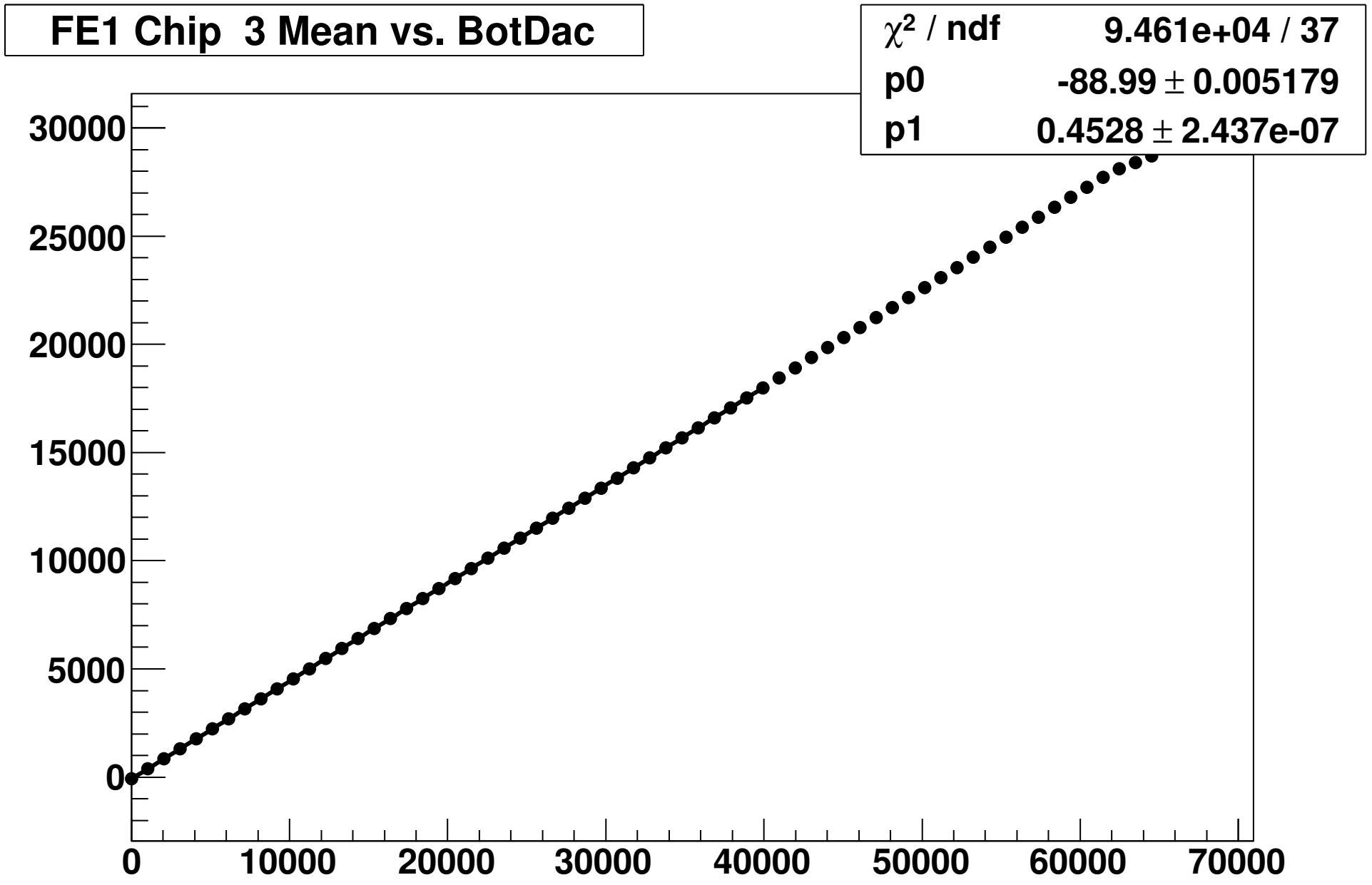

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 105.4 / 37
p0 1.508 ± 0.001818
p1 2.371e-13 ± 9.435e-07
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

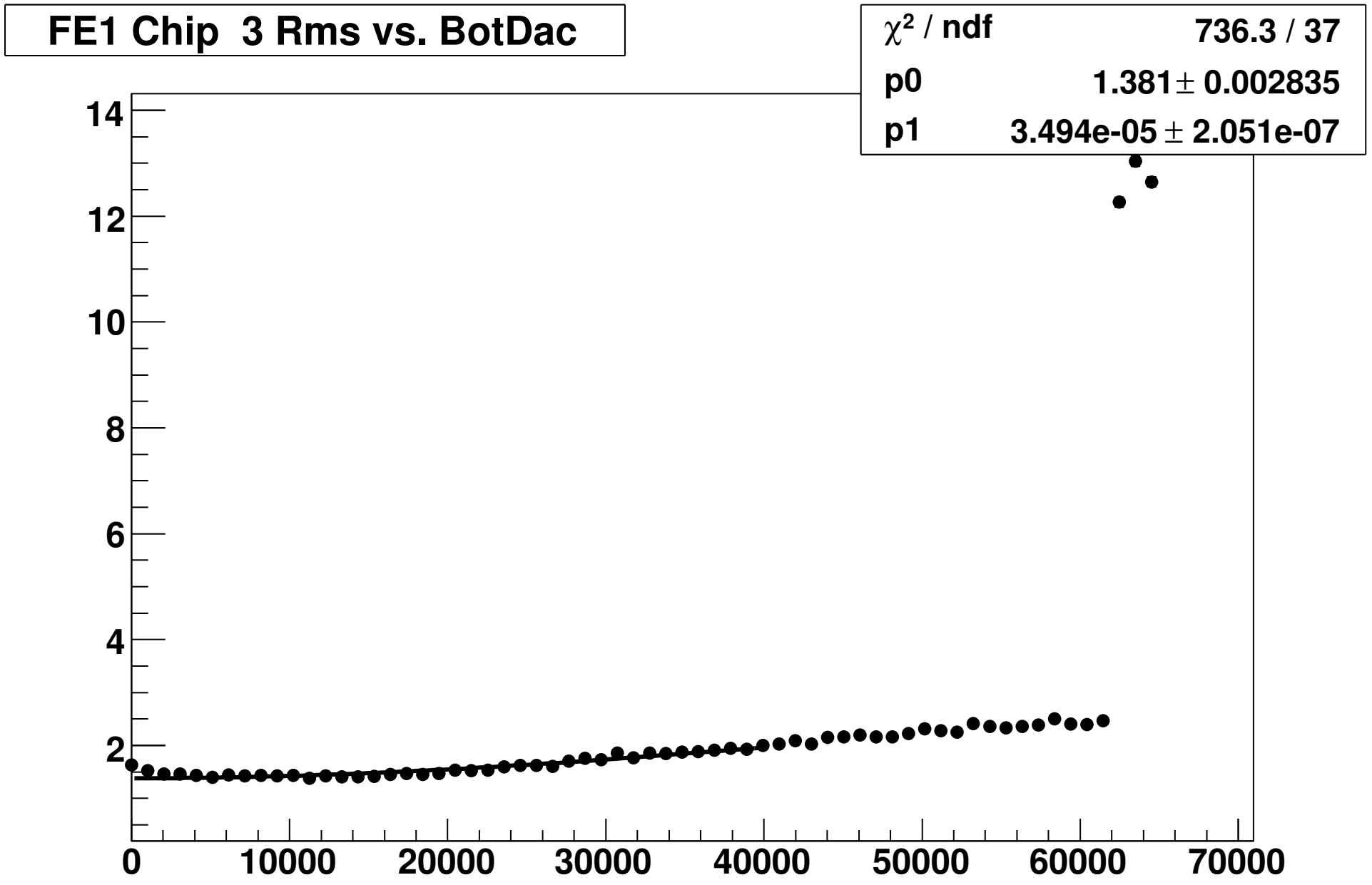

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.301e+05 / 37
p0 -86.19 ± 0.005253
p1 0.4528 ± 2.436e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

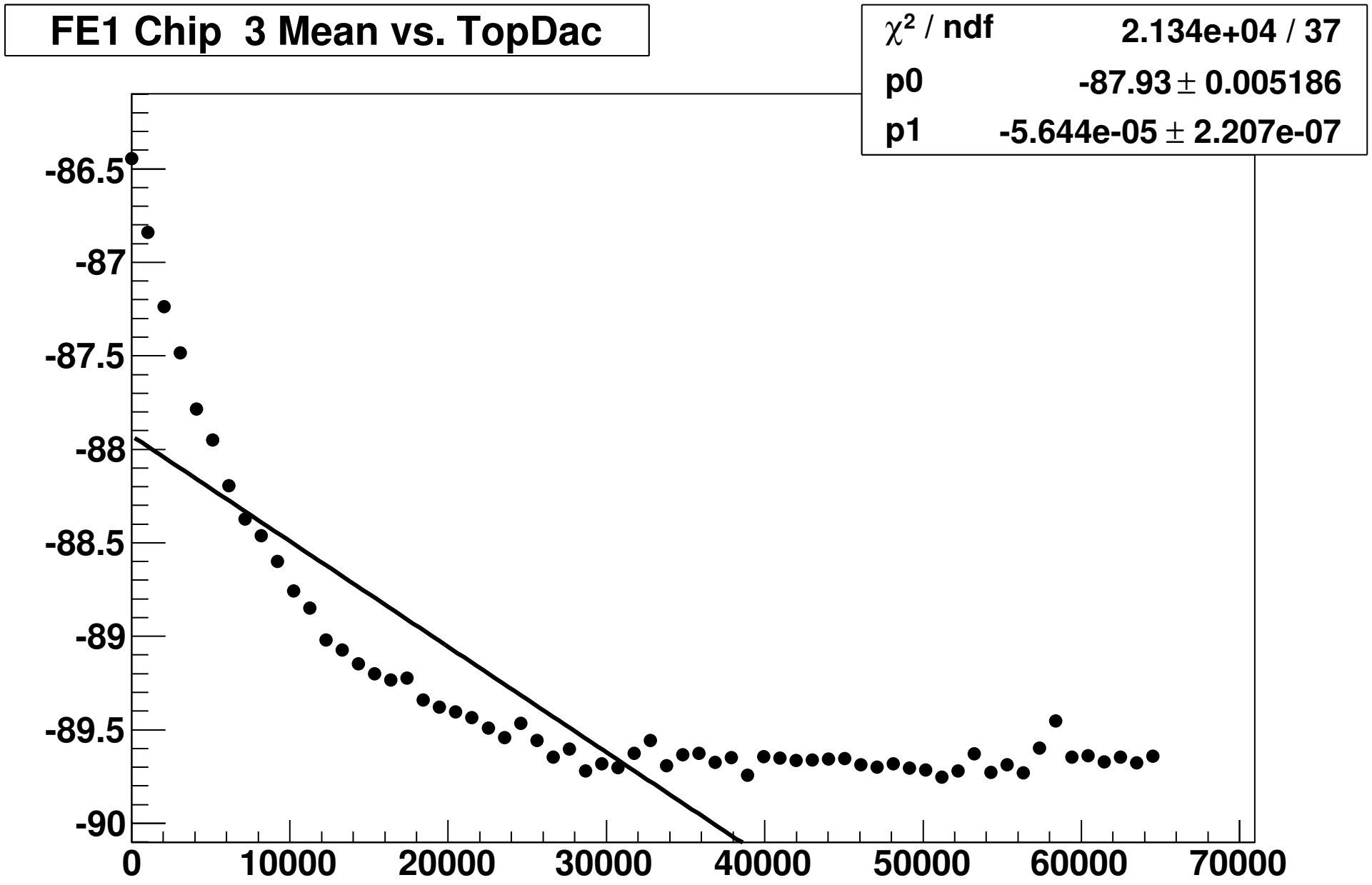

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 648.8 / 37
p0 1.418 ± 0.00286
p1 3.243e-05 ± 2.19e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Mean vs. TopDac
χ² / ndf 1.906e+04 / 37
p0 -84.71 ± 0.005195
p1 -5.323e-05 ± 2.205e-07
-83
-83.5
-84
-84.5
-85
-85.5
-86
-86.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 97.51 / 37
p0 1.489 ± 0.001794
p1 -7.764e-13 ± 1.554e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 9.461e+04 / 37
p0 -88.99 ± 0.005179
p1 0.4528 ± 2.437e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 736.3 / 37
p0 1.381 ± 0.002835
p1 3.494e-05 ± 2.051e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 2.134e+04 / 37
p0 -87.93 ± 0.005186
p1 -5.644e-05 ± 2.207e-07
-86.5
-87
-87.5
-88
-88.5
-89
-89.5
-90
0
10000
20000
30000
40000
50000
60000
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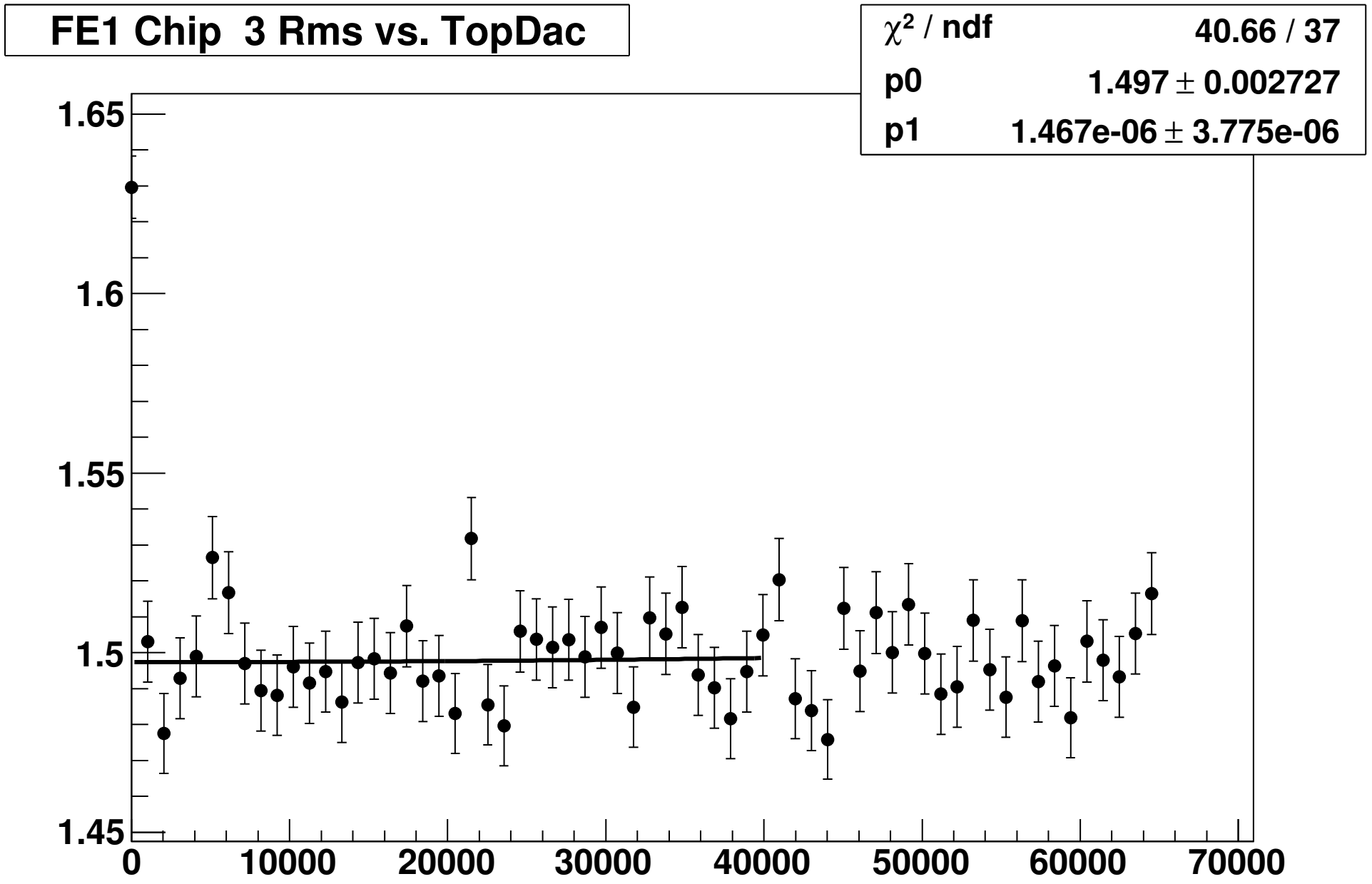
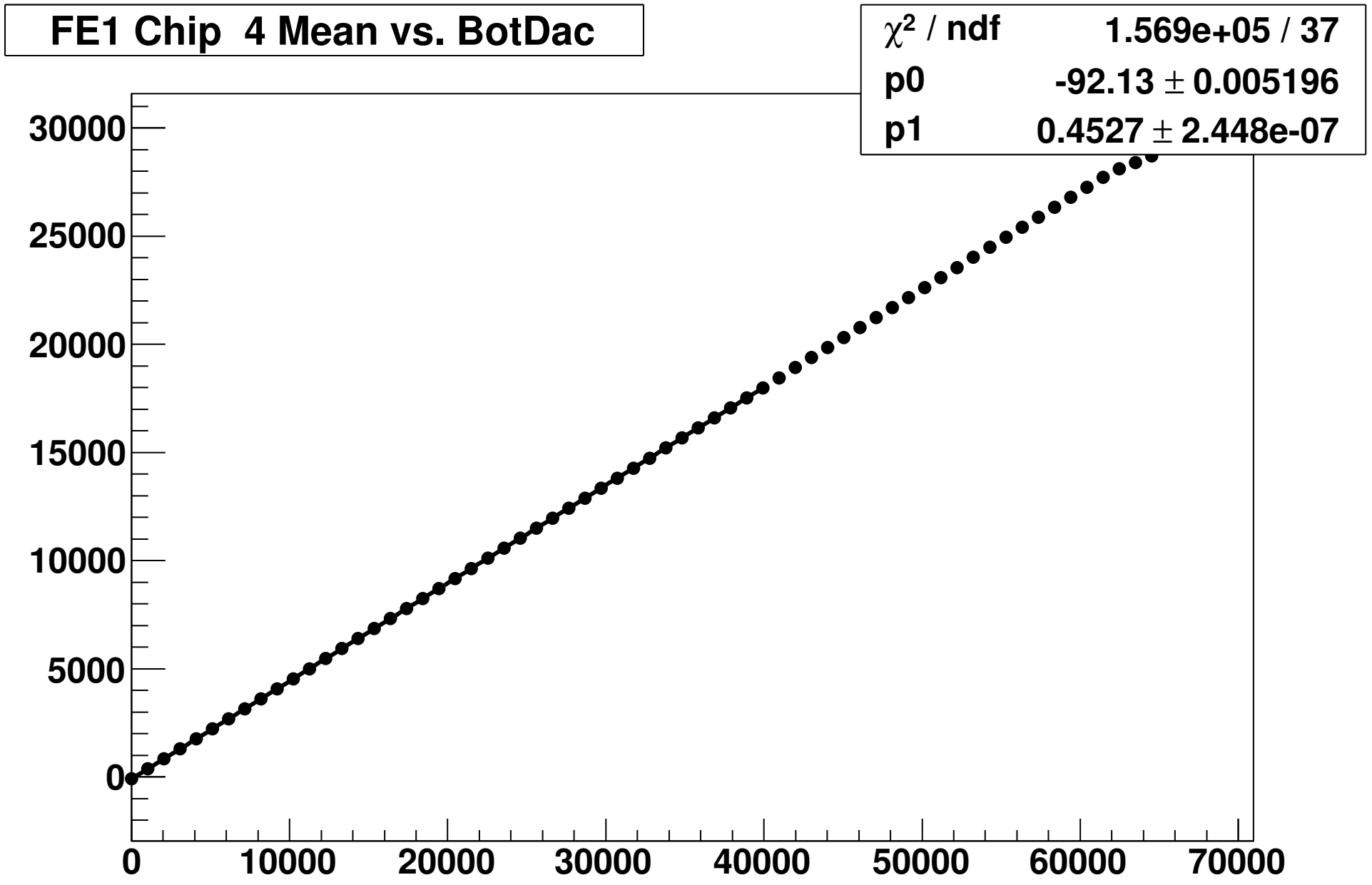
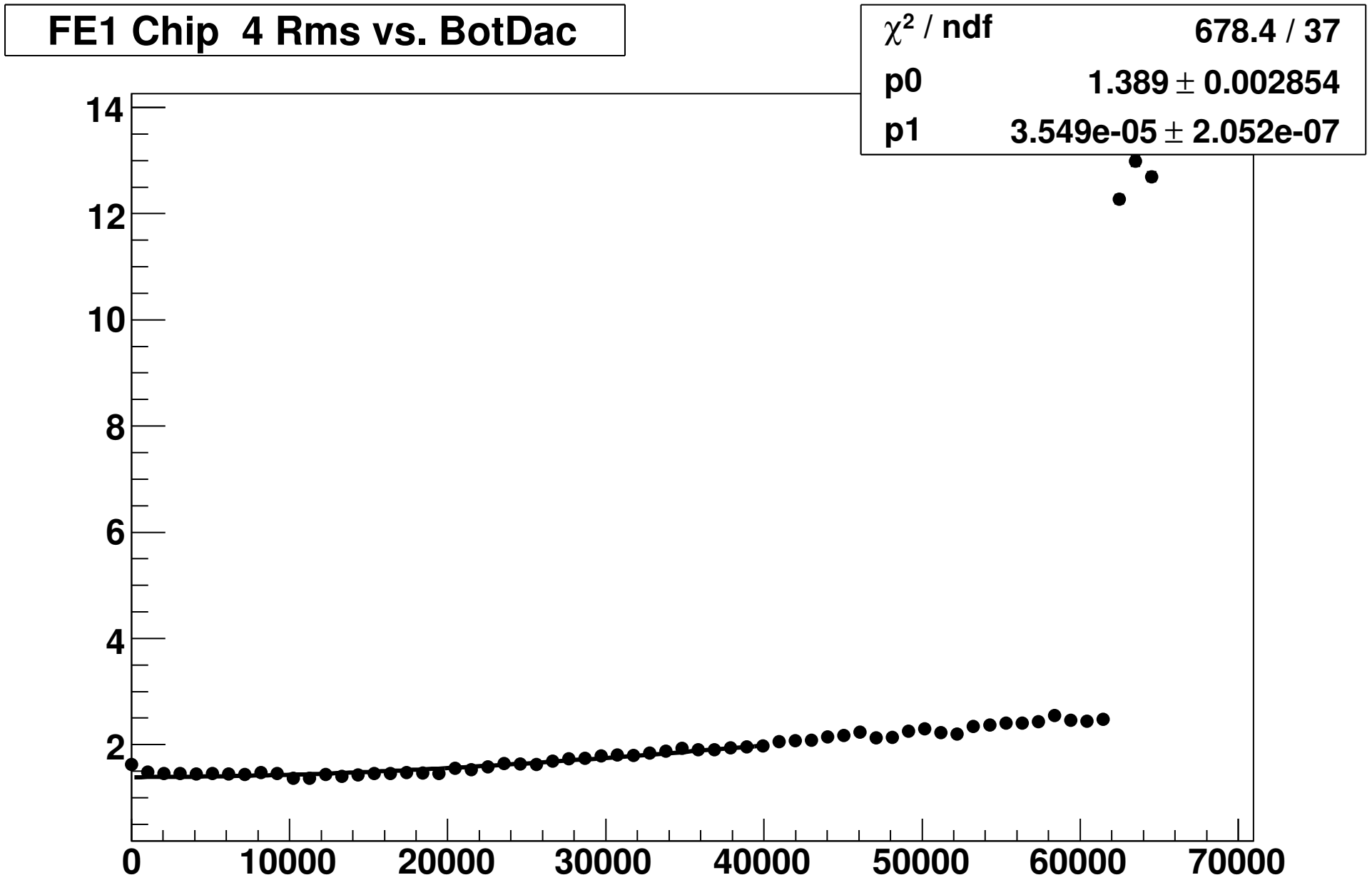

FE1 Chip 3 Rms vs. TopDac
χ² / ndf 40.66 / 37
p0 1.497 ± 0.002727
p1 1.467e-06 ± 3.775e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.569e+05 / 37
p0 -92.13 ± 0.005196
p1 0.4527 ± 2.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 678.4 / 37
p0 1.389 ± 0.002854
p1 3.549e-05 ± 2.052e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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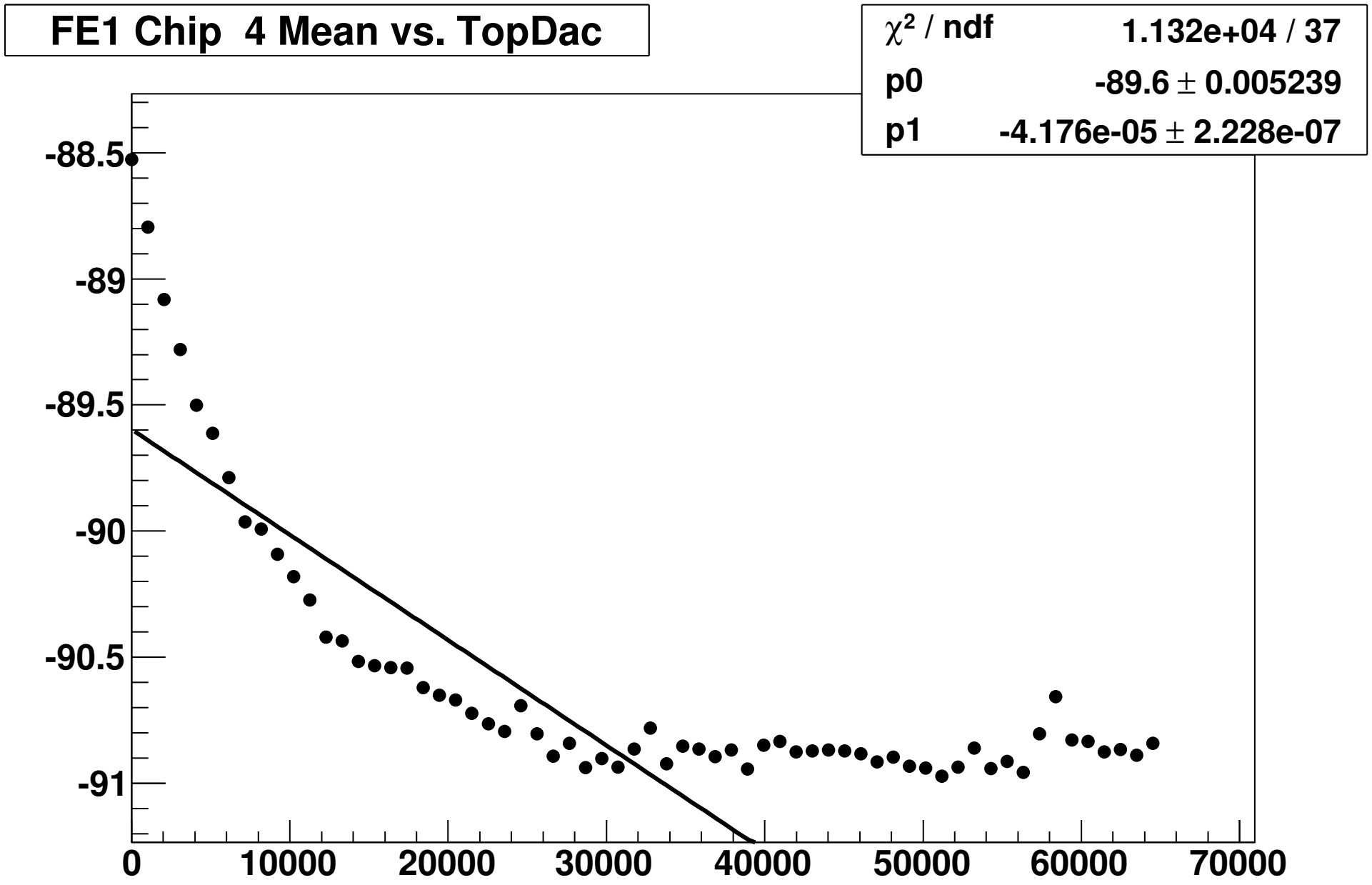
FE1 Chip 4 Mean vs. TopDac
χ² / ndf 1.132e+04 / 37
p0 -89.6 ± 0.005239
p1 -4.176e-05 ± 2.228e-07
-88.5
-89
-89.5
-90
-90.5
-91
0
10000
20000
30000
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50000
60000
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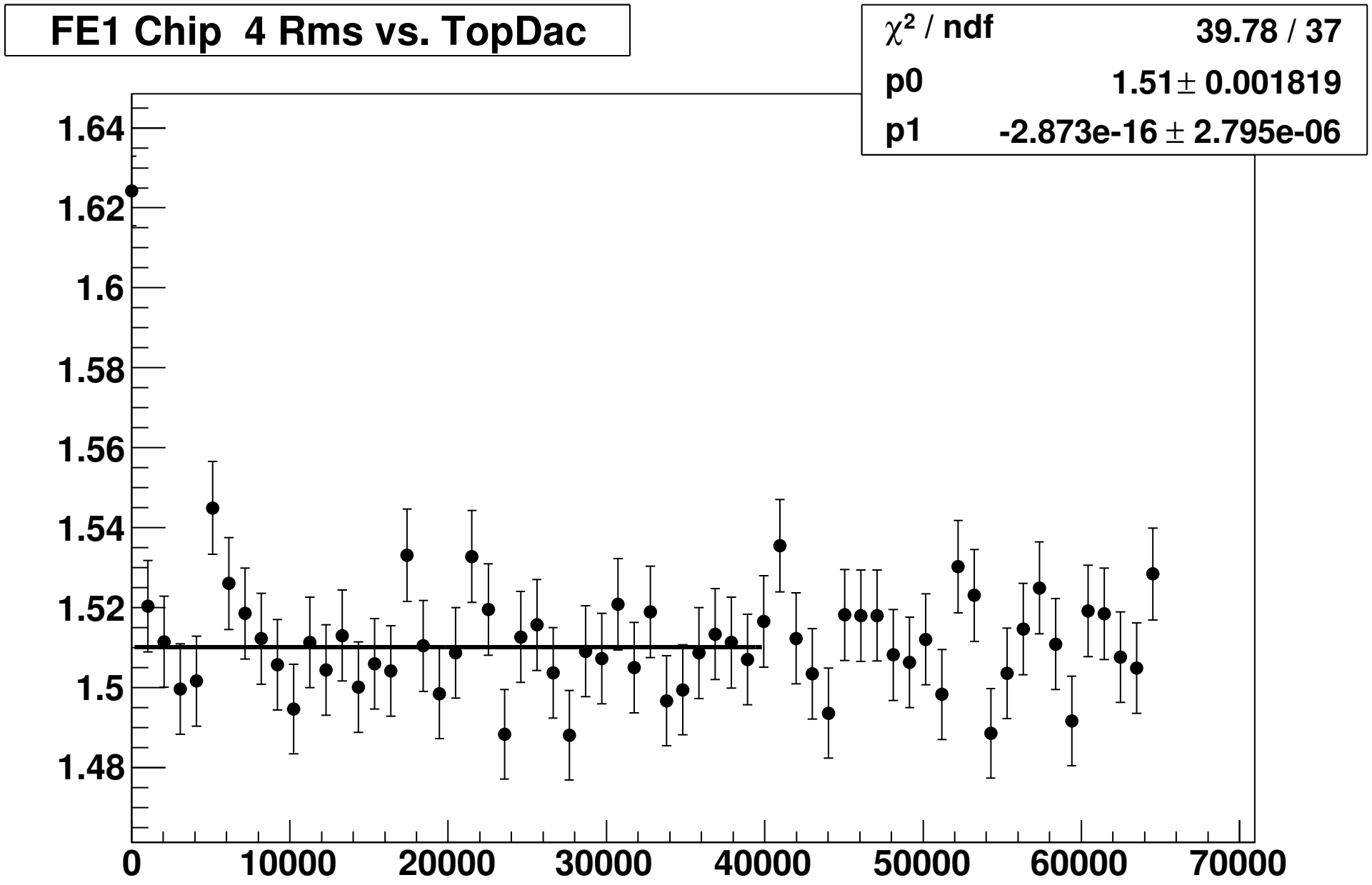
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 39.78 / 37
p0 1.51 ± 0.001819
p1 -2.873e-16 ± 2.795e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
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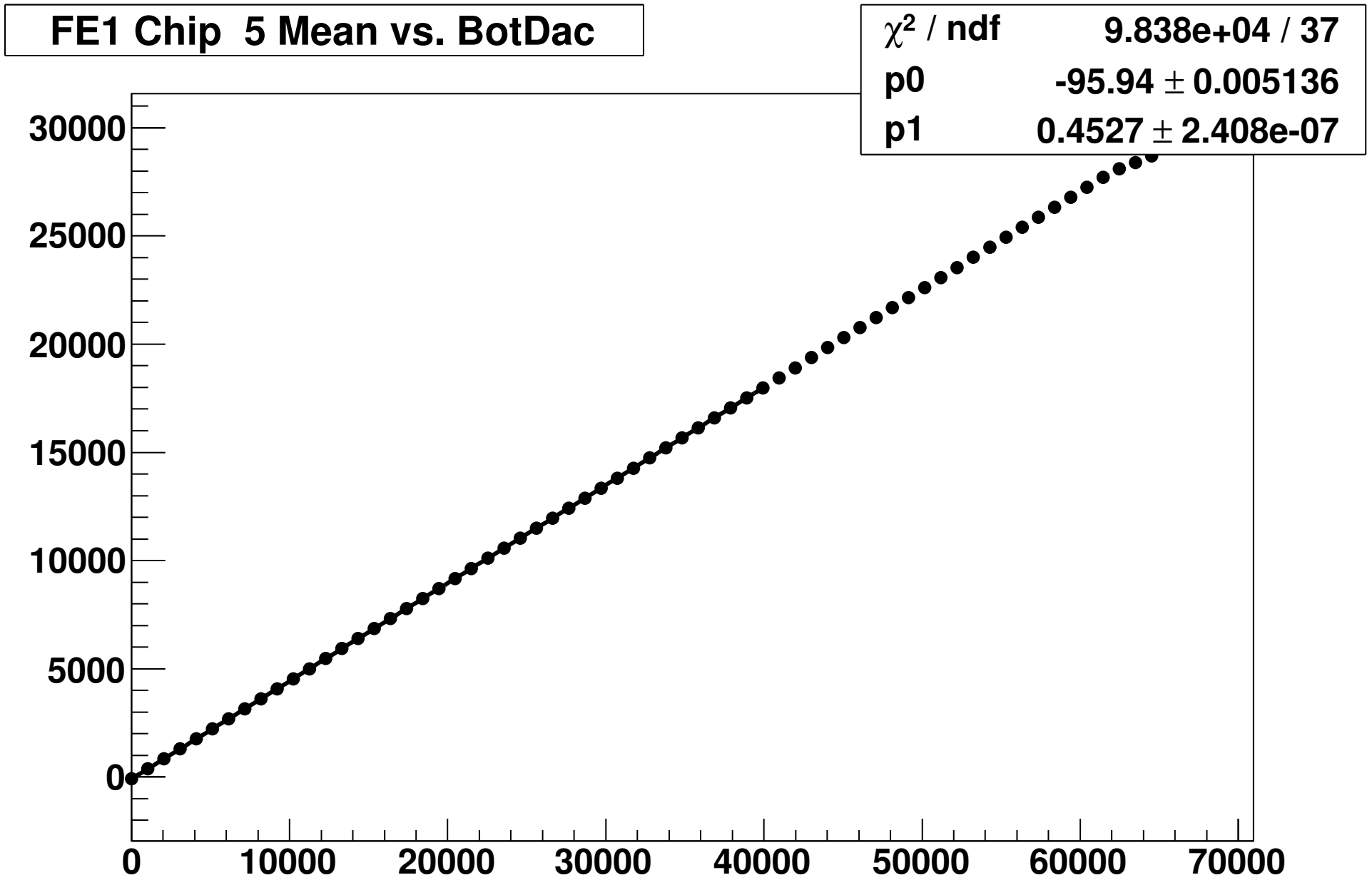
70000


FE1 Chip 5 Mean vs. BotDac
χ² / ndf 9.838e+04 / 37
p0 -95.94 ± 0.005136
p1 0.4527 ± 2.408e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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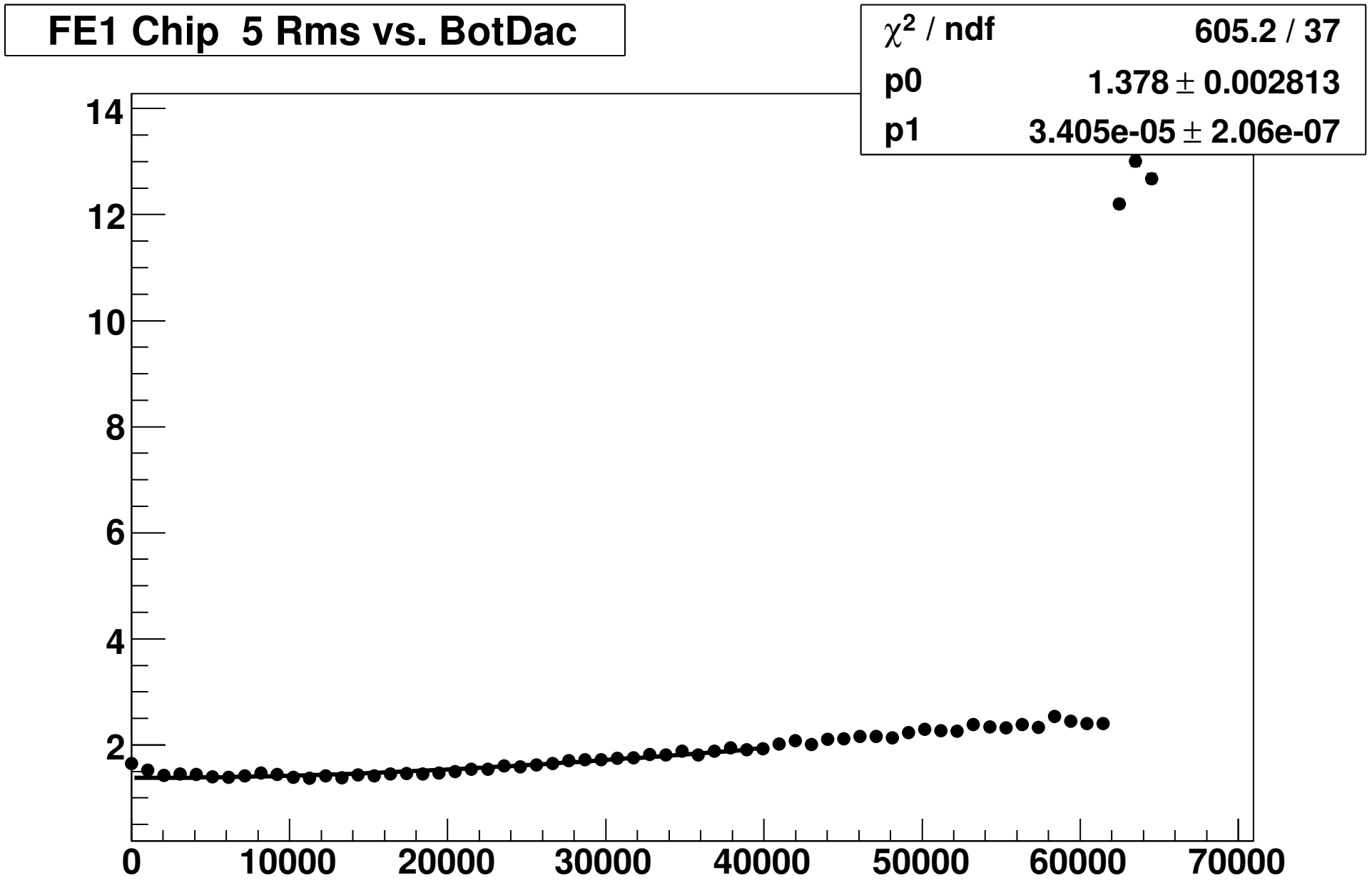
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 605.2 / 37
p0 1.378 ± 0.002813
p1 3.405e-05 ± 2.06e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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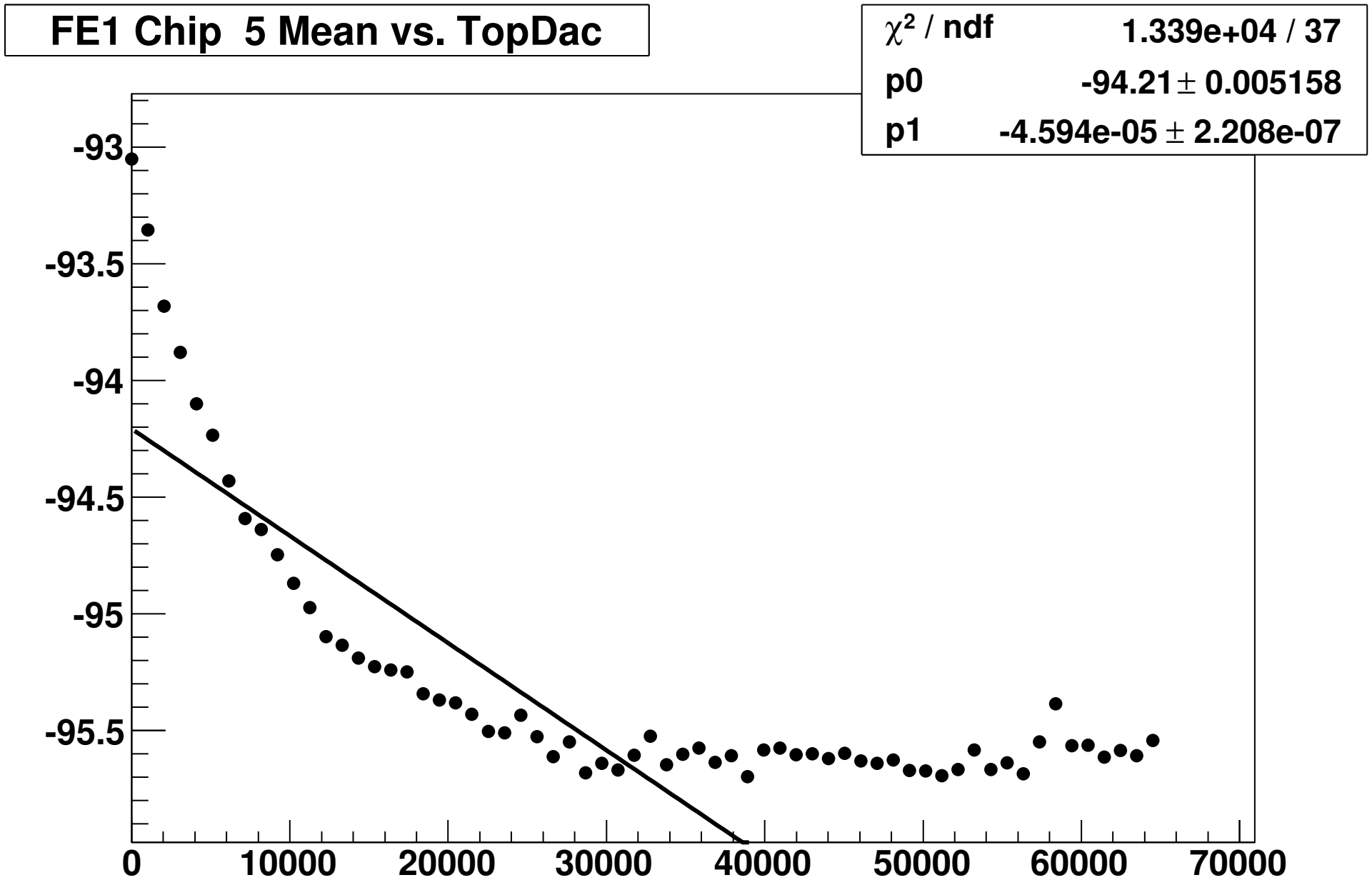
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 1.339e+04 / 37
p0 -94.21 ± 0.005158
p1 -4.594e-05 ± 2.208e-07
-93
-93.5
-94
-94.5
-95
-95.5
0
10000
20000
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60000
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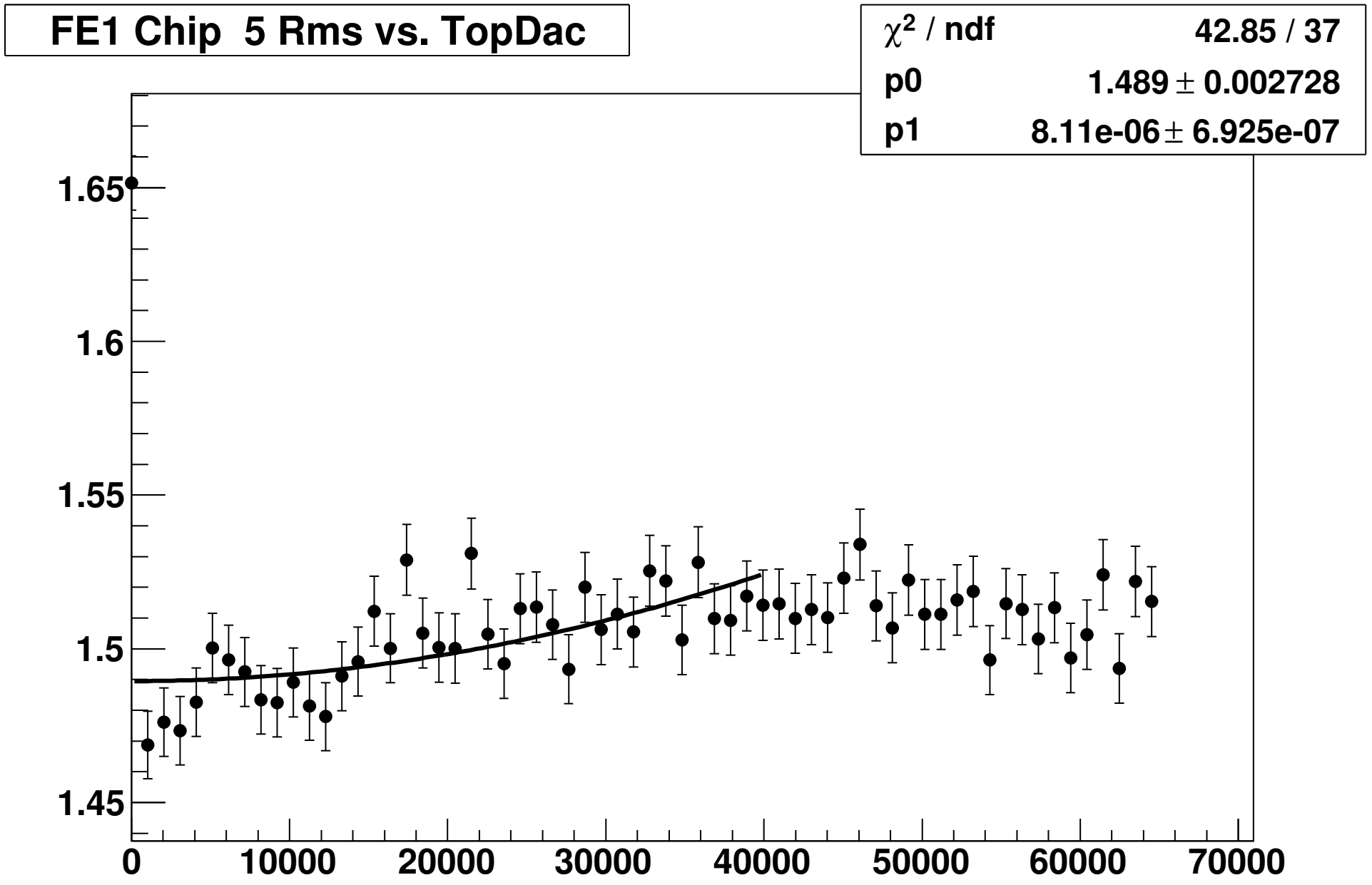
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 42.85 / 37
p0 1.489 ± 0.002728
p1 8.11e-06 ± 6.925e-07
1.65
1.6
1.55
1.5
1.45
0
10000
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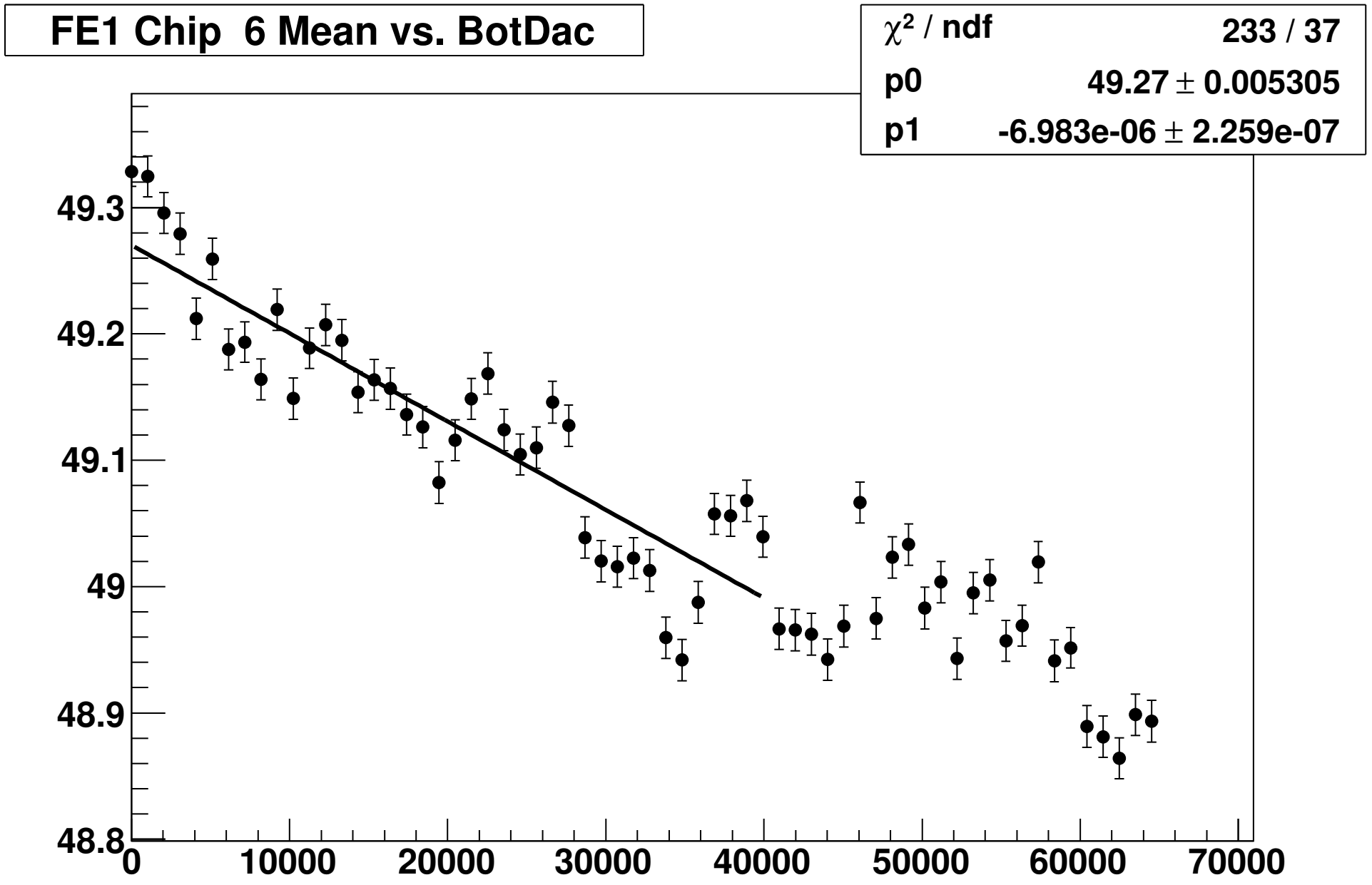
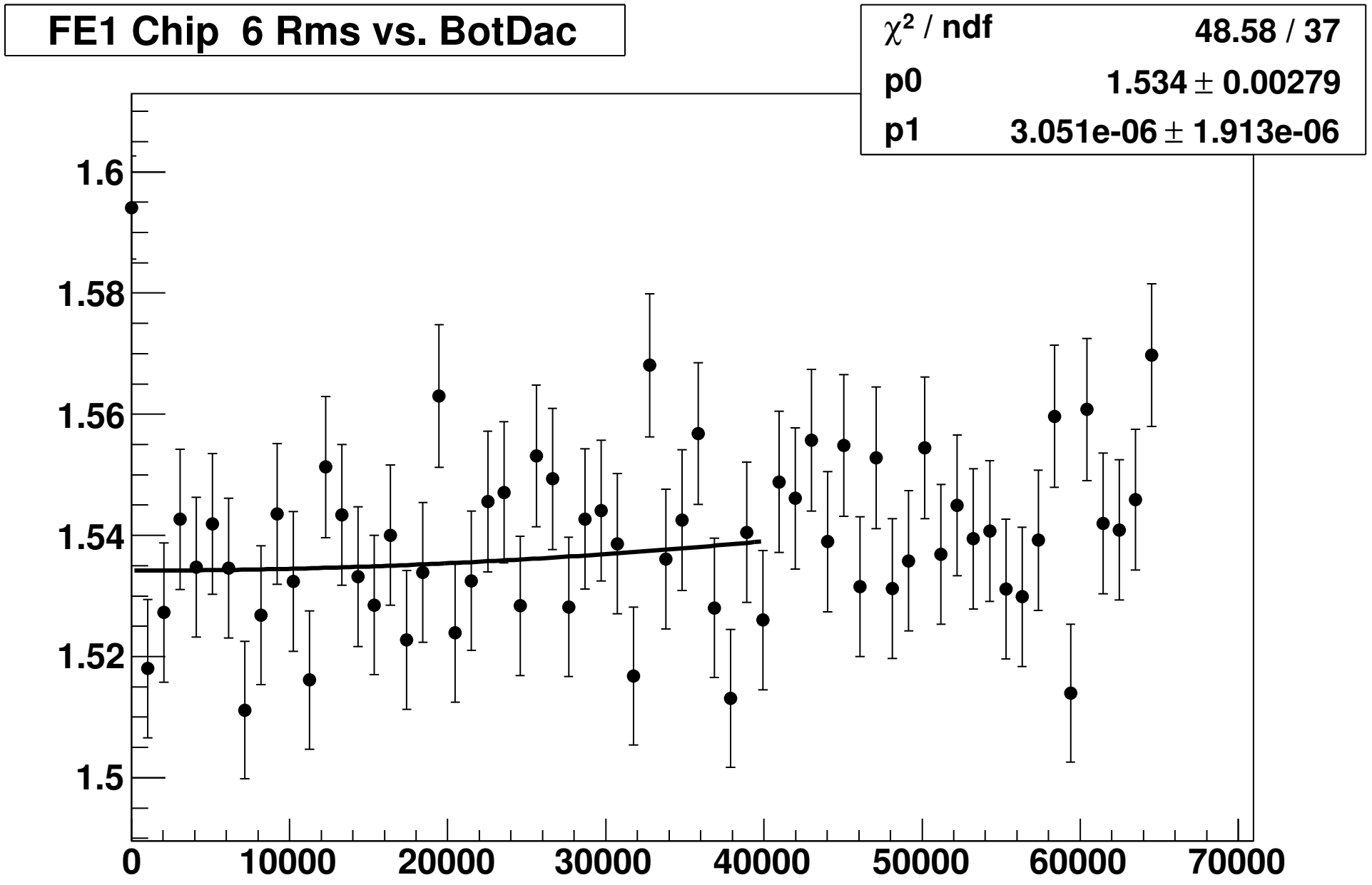
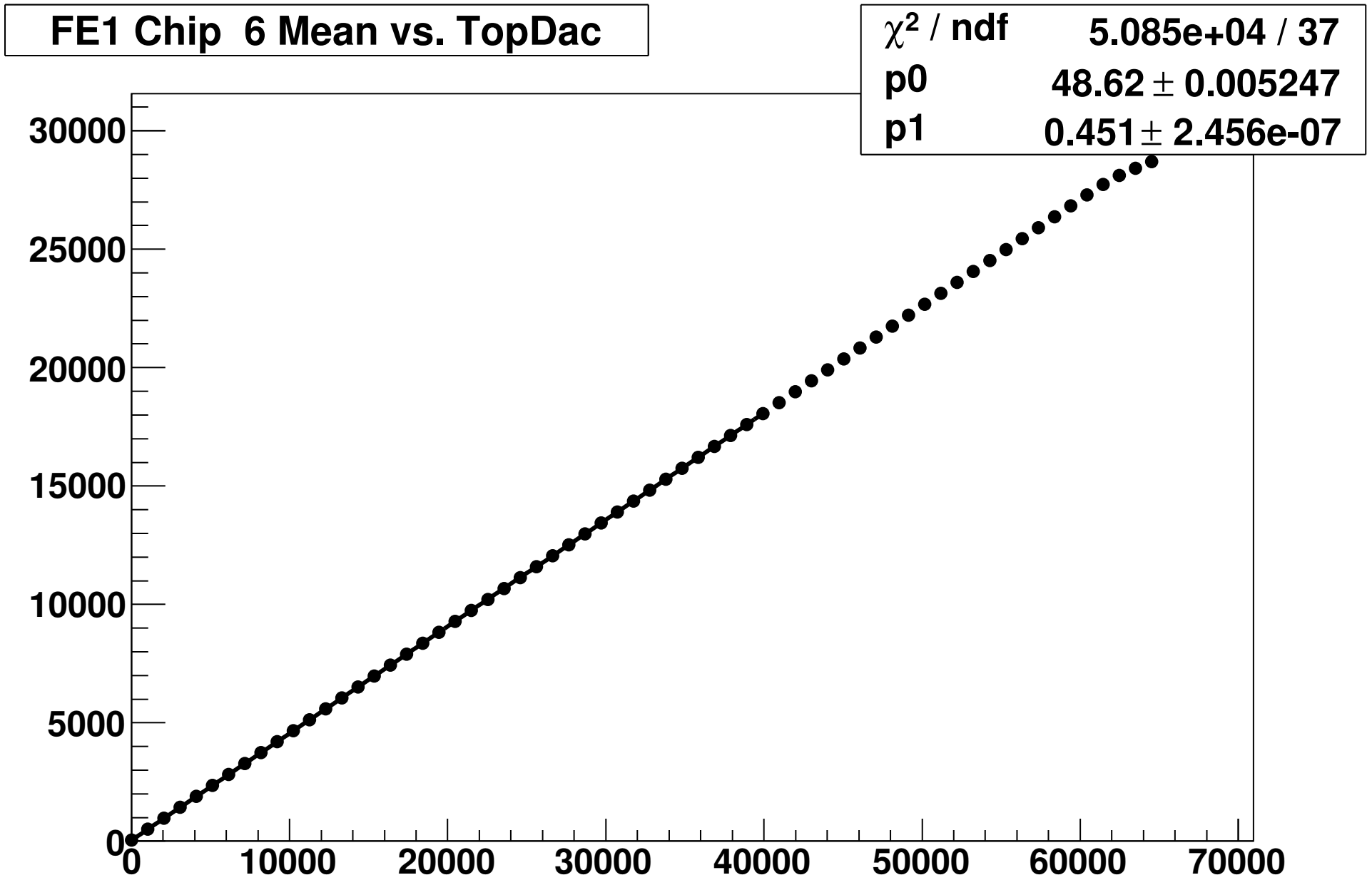
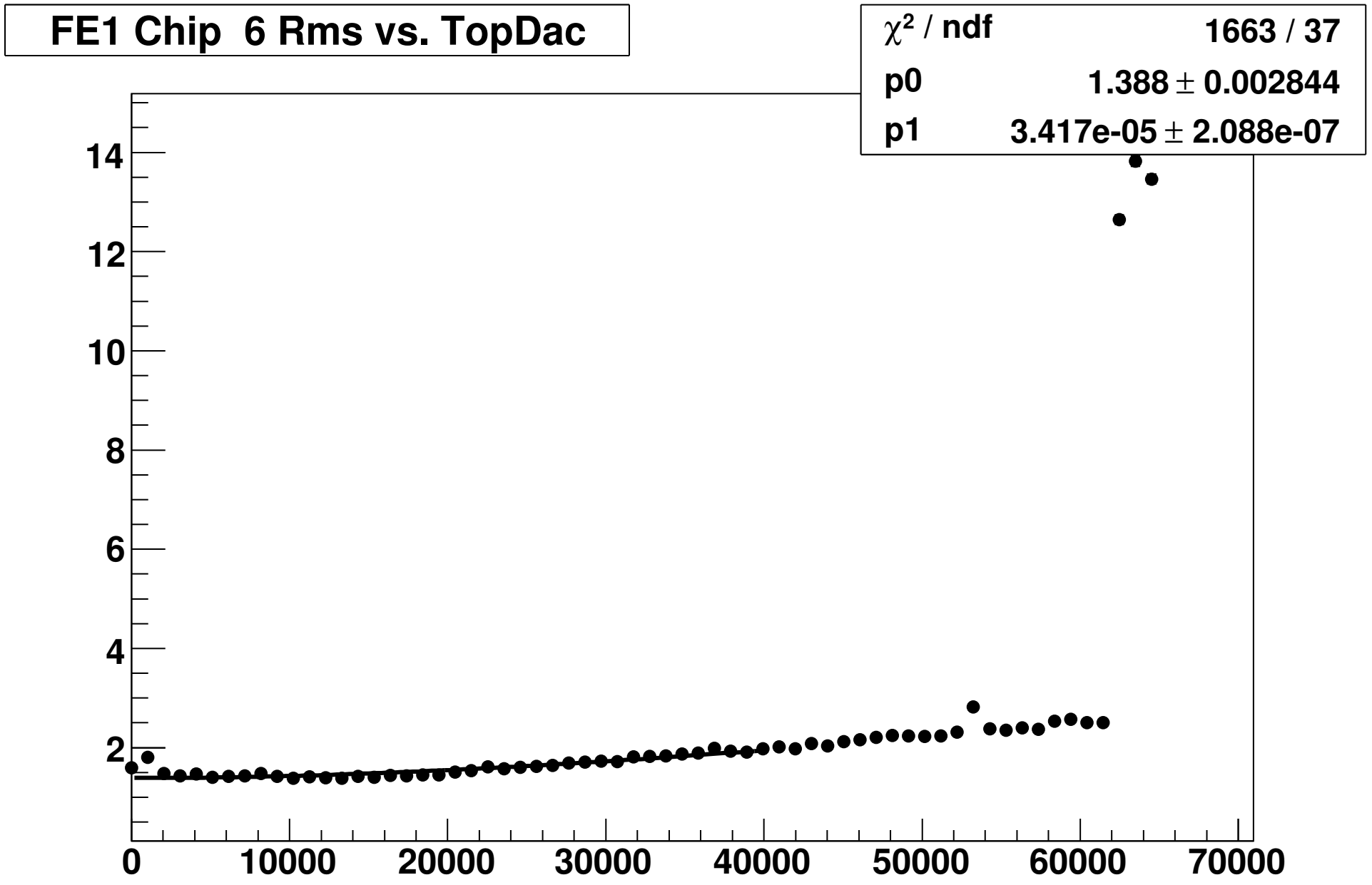
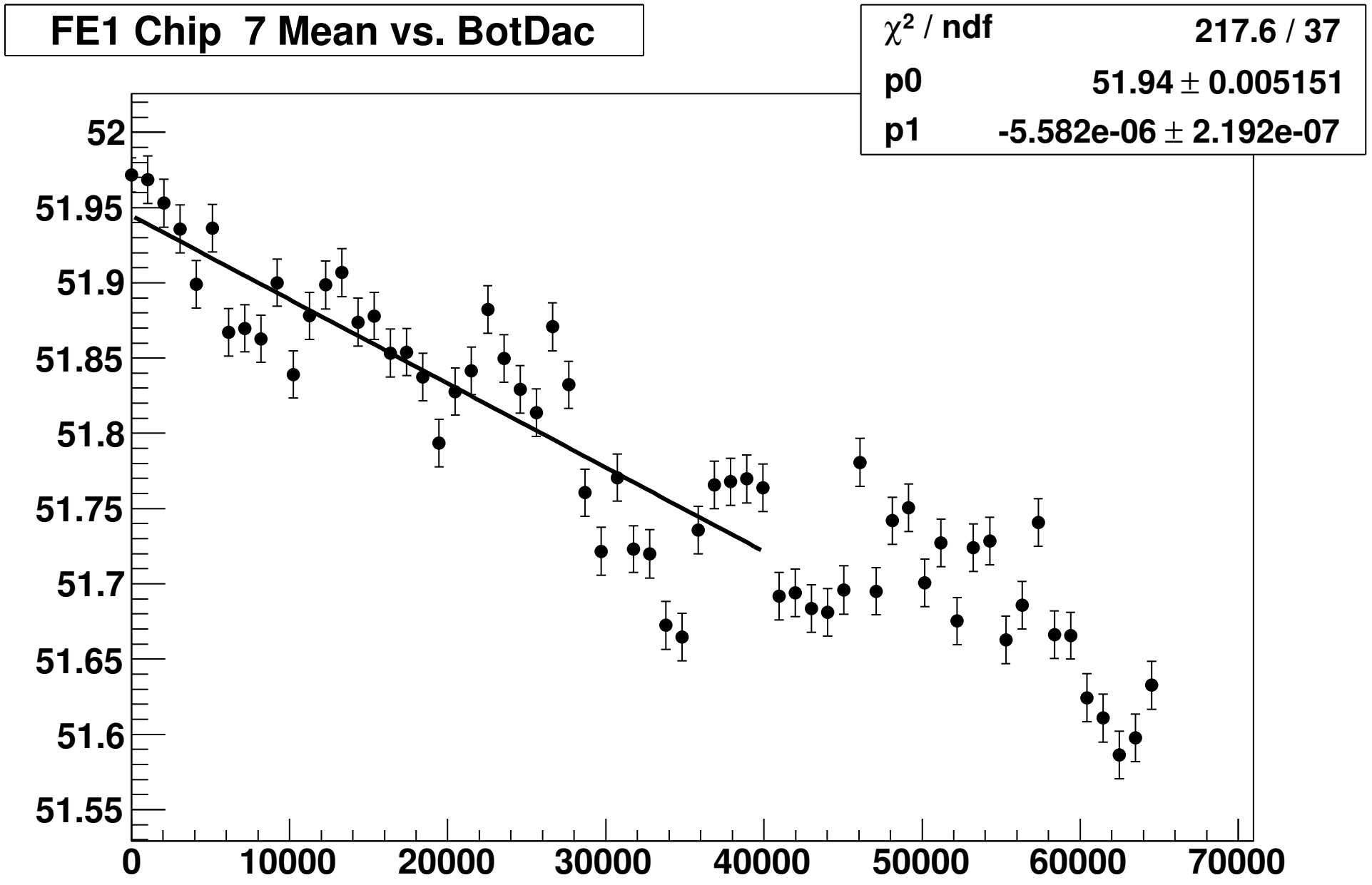
30000
40000
50000
60000
70000

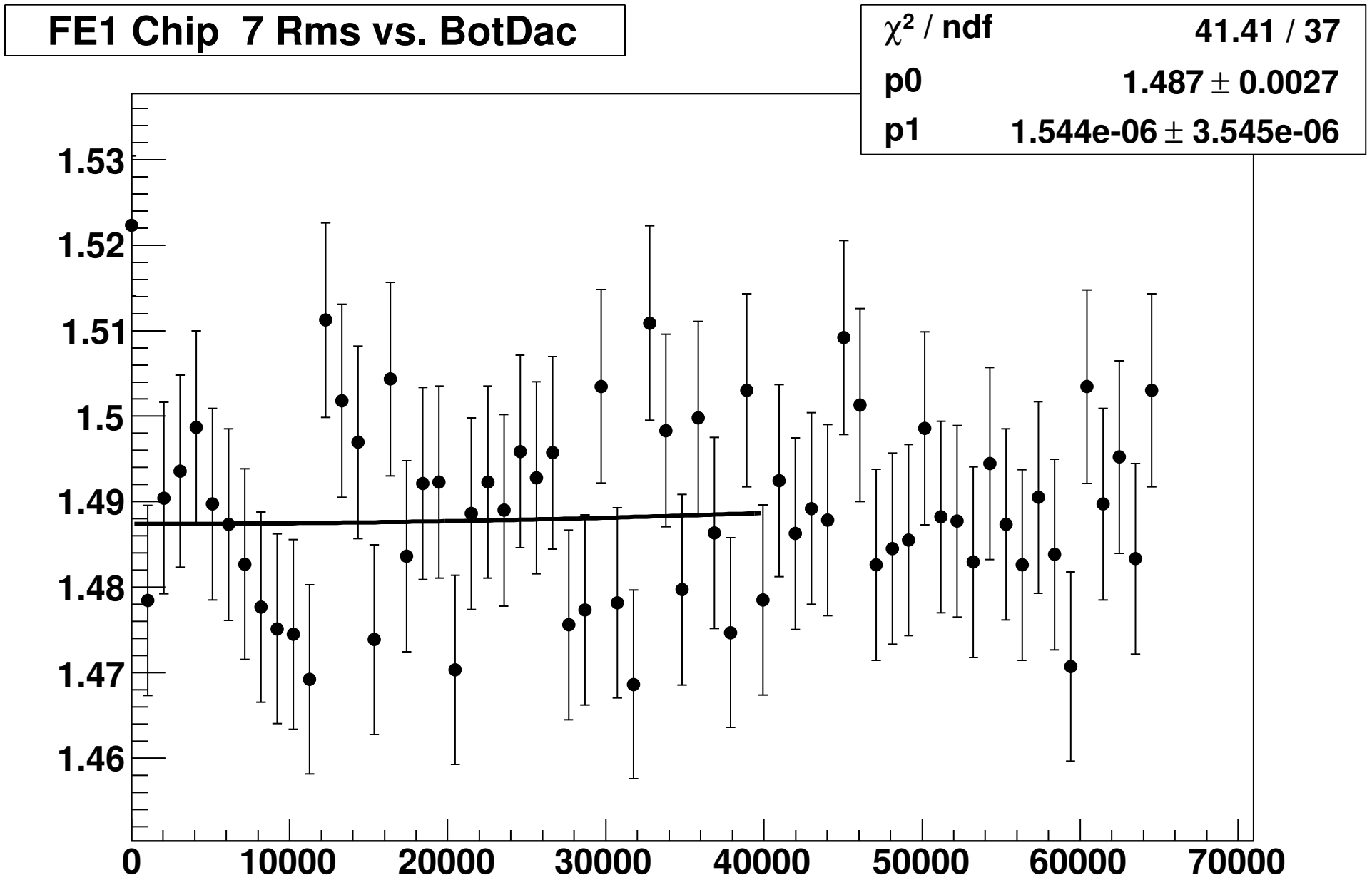

FE1 Chip 6 Mean vs. BotDac
χ² / ndf 233 / 37
p0 49.27 ± 0.005305
p1 -6.983e-06 ± 2.259e-07
49.3
49.2
49.1
49
48.9
48.8
0
10000
20000
30000
40000
50000
60000
70000

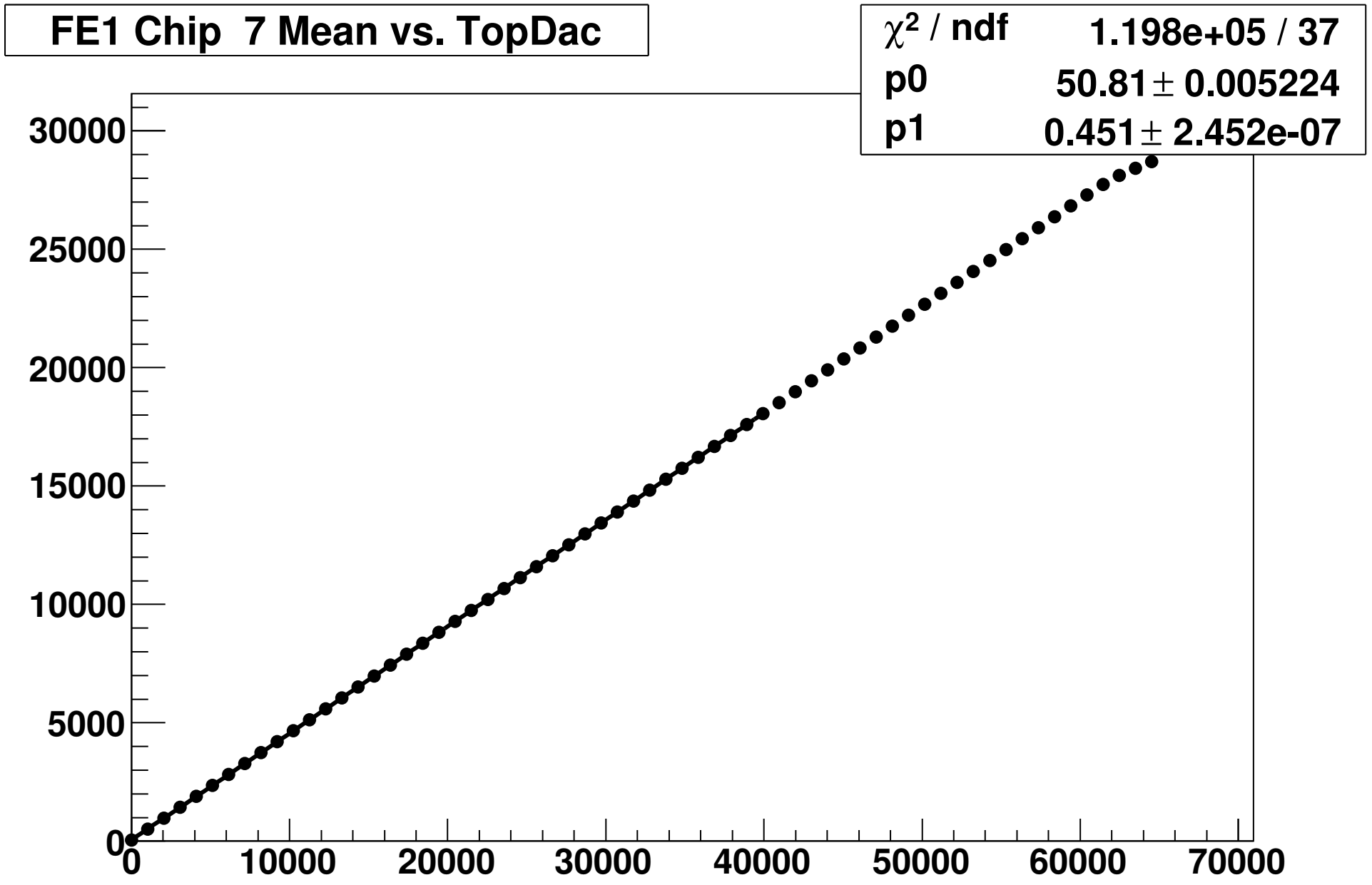

FE1 Chip 6 Rms vs. BotDac
χ² / ndf 48.58 / 37
p0 1.534 ± 0.00279
p1 3.051e-06 ± 1.913e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

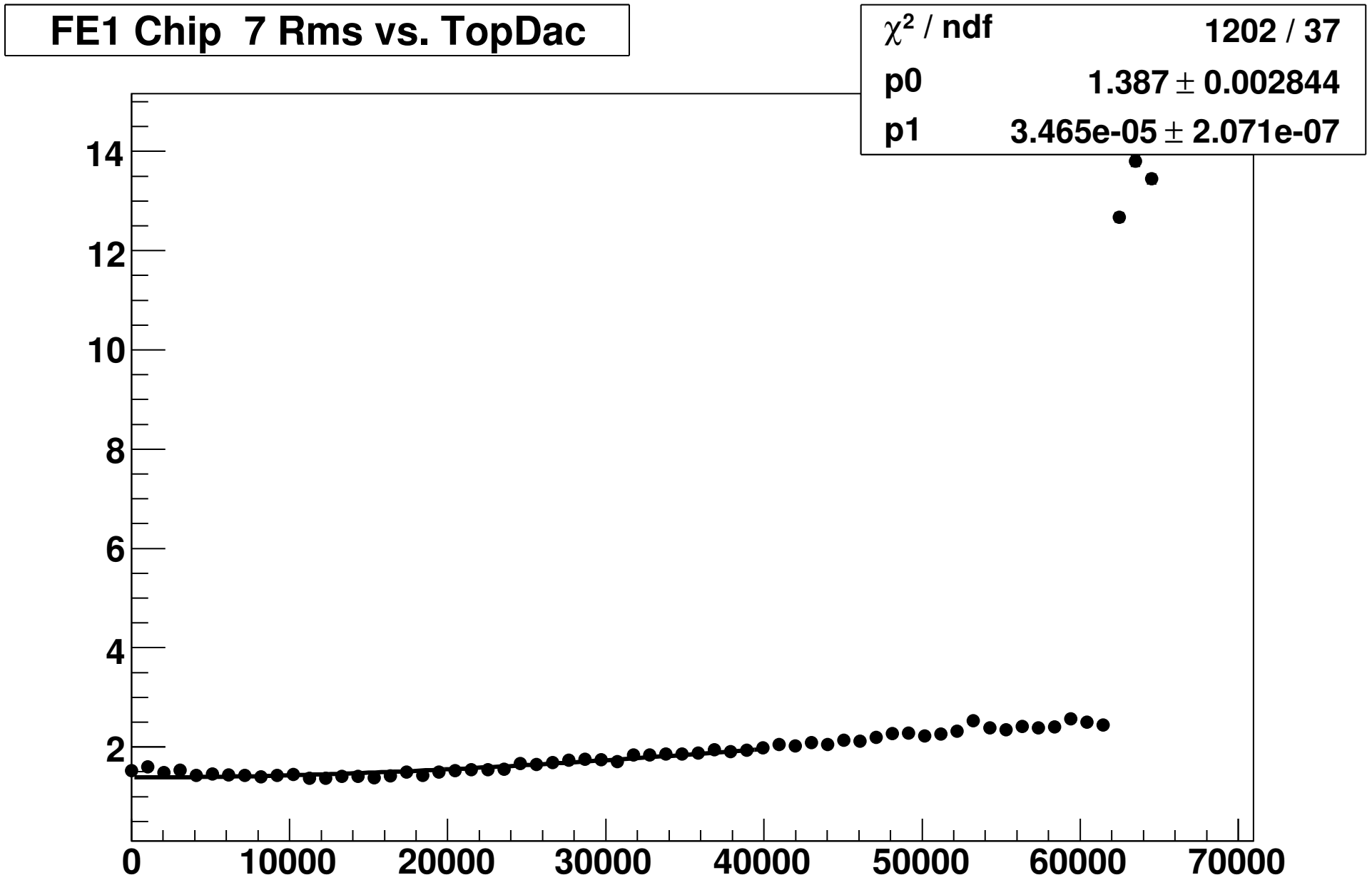

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 5.085e+04 / 37
p0 48.62 ± 0.005247
p1 0.451 ± 2.456e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

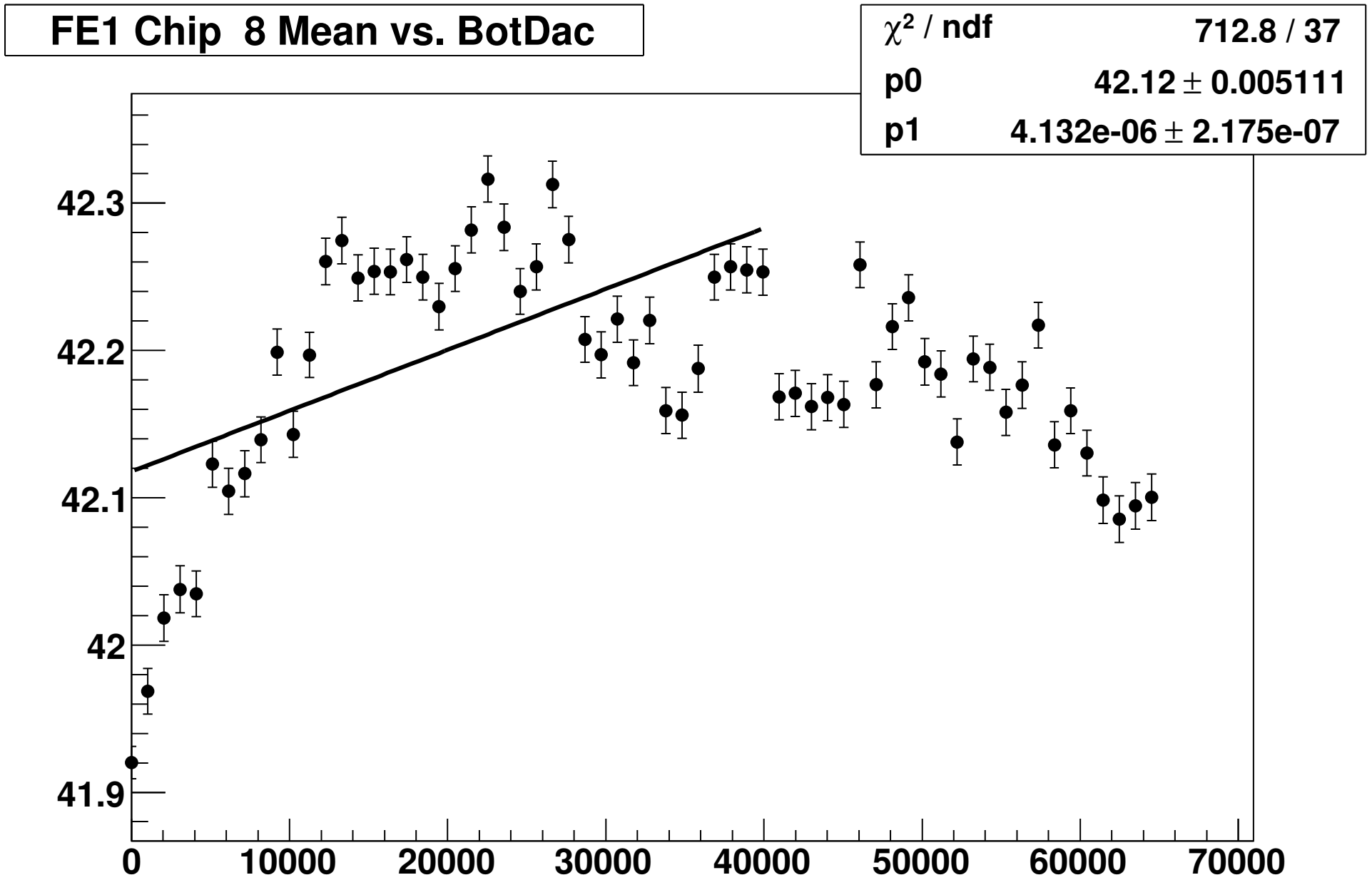

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 1663 / 37
p0 1.388 ± 0.002844
p1 3.417e-05 ± 2.088e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

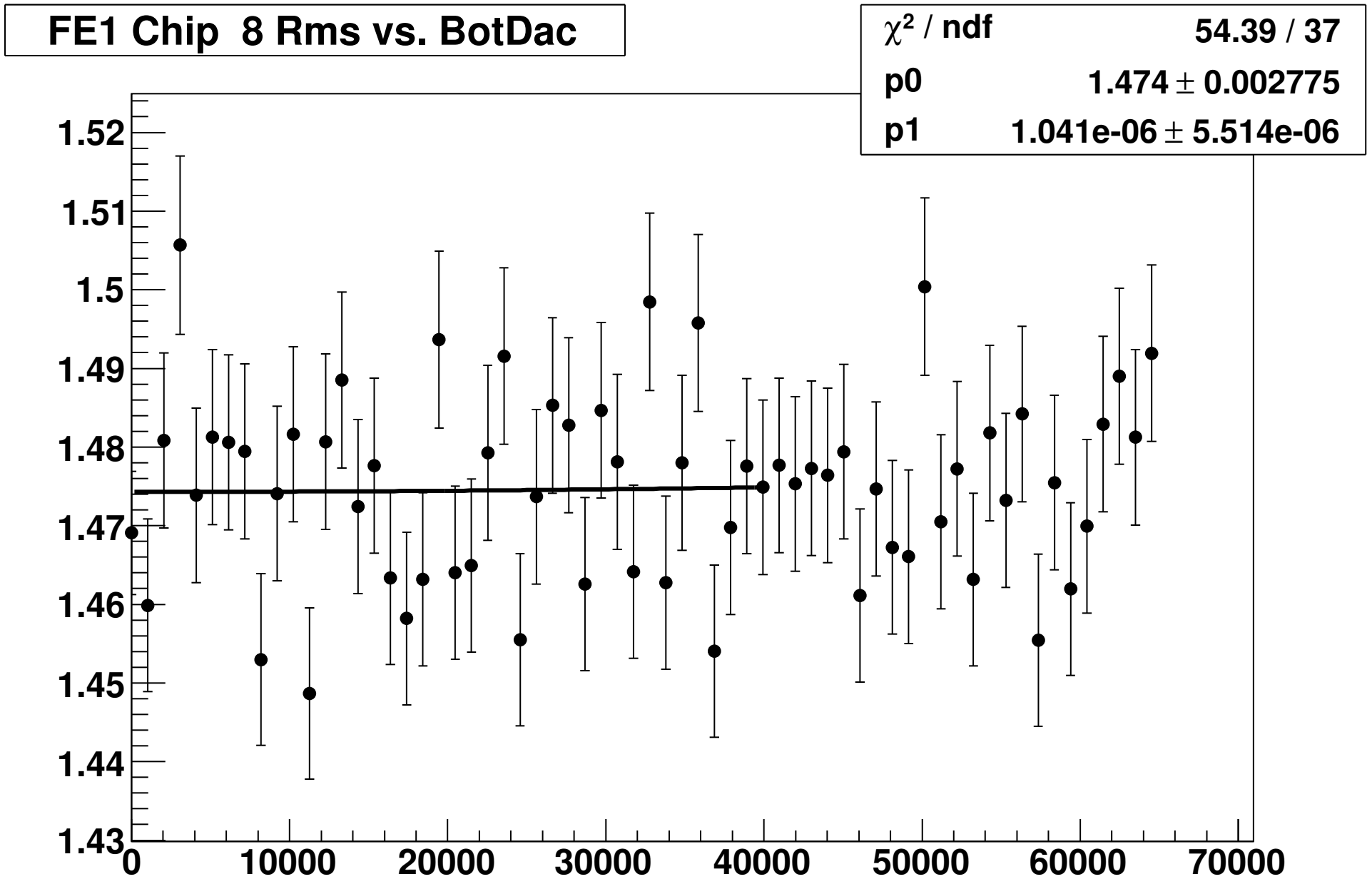

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 217.6 / 37
p0 51.94 ± 0.005151
p1 -5.582e-06 ± 2.192e-07
52
51.95
51.9
51.85
51.8
51.75
51.7
51.65
51.6
51.55
0
10000
20000
30000
40000
50000
60000
70000

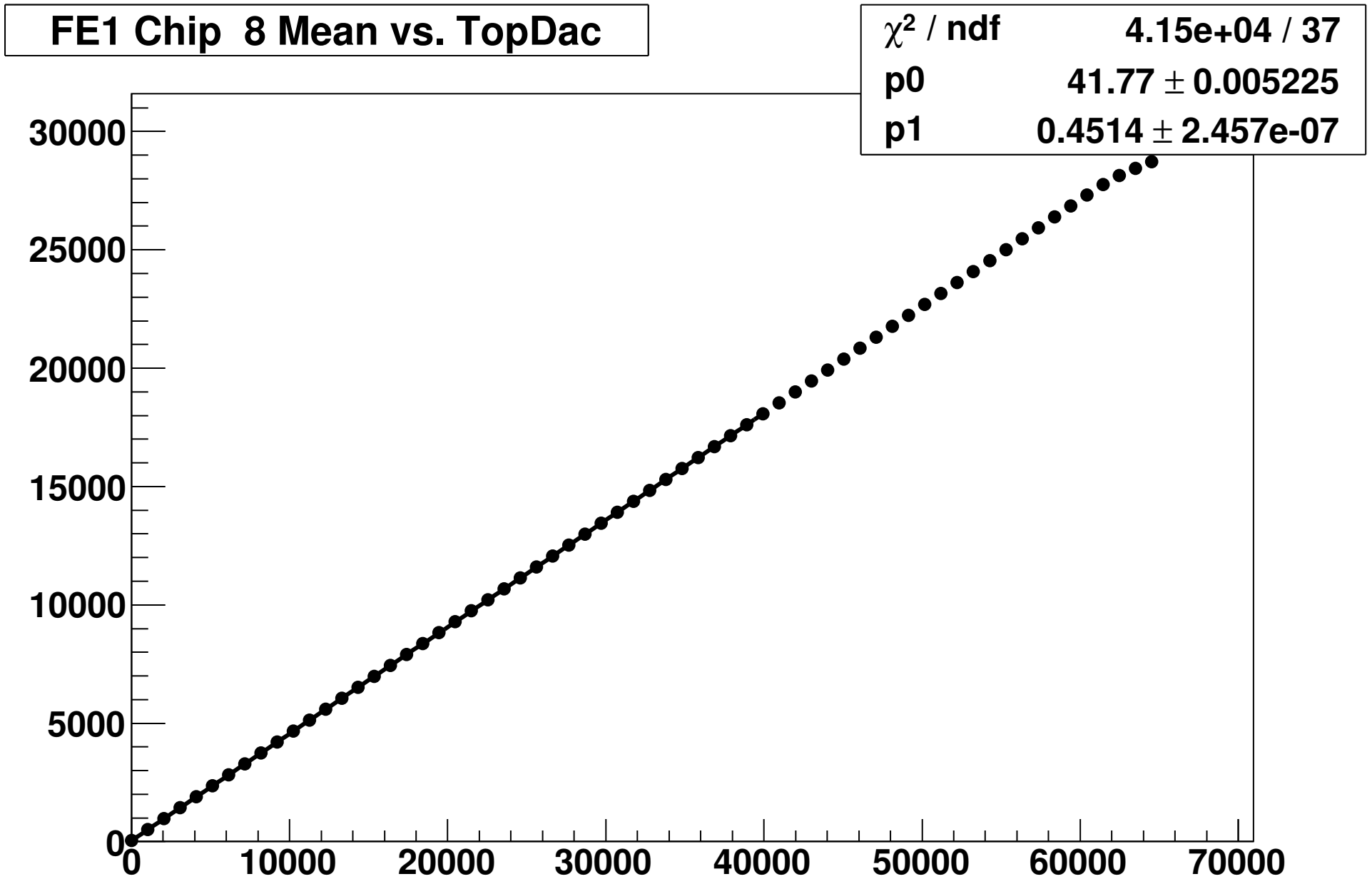

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 41.41 / 37
p0 1.487 ± 0.0027
p1 1.544e-06 ± 3.545e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

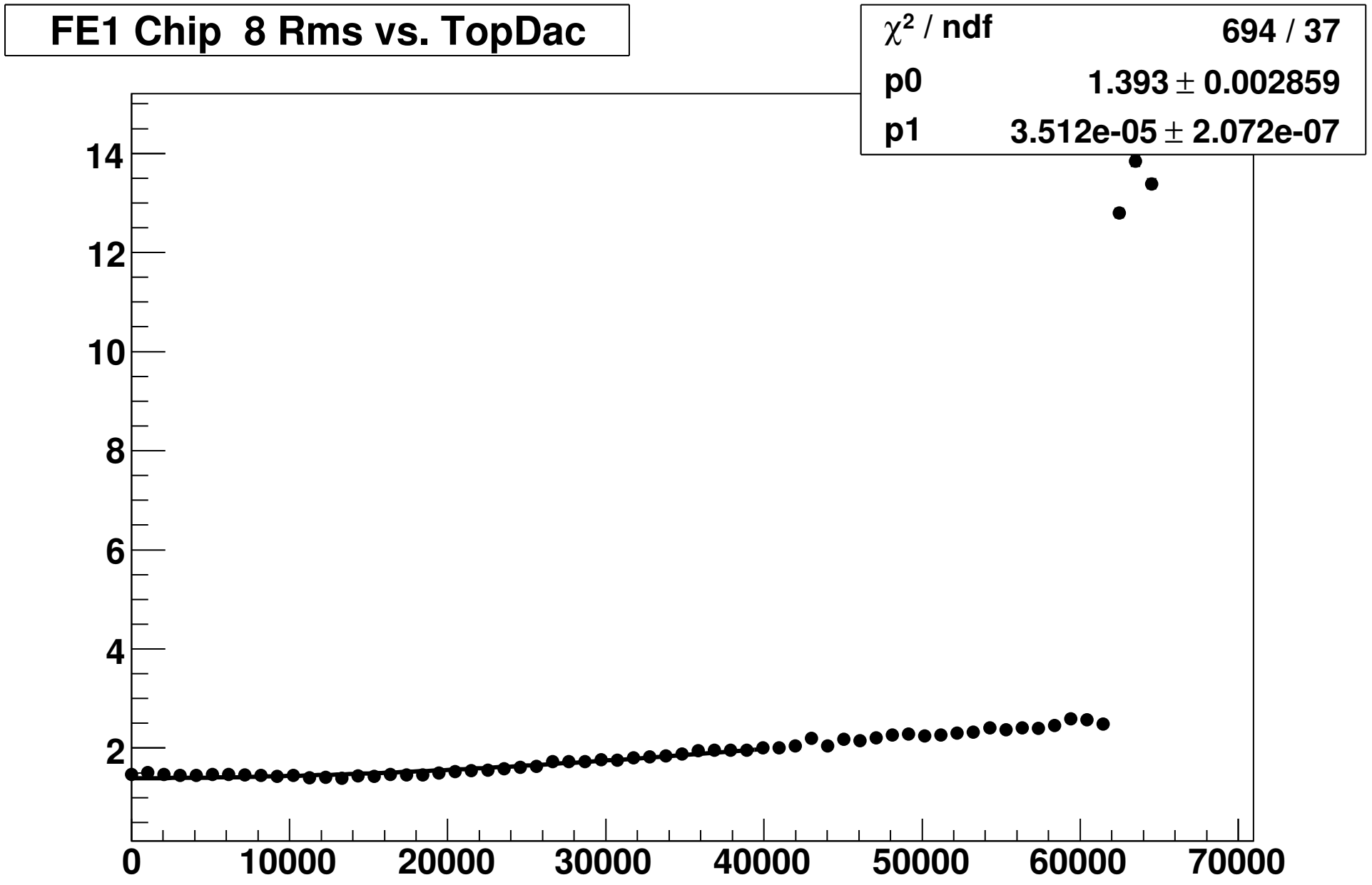

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 1.198e+05 / 37
p0 50.81 ± 0.005224
p1 0.451 ± 2.452e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

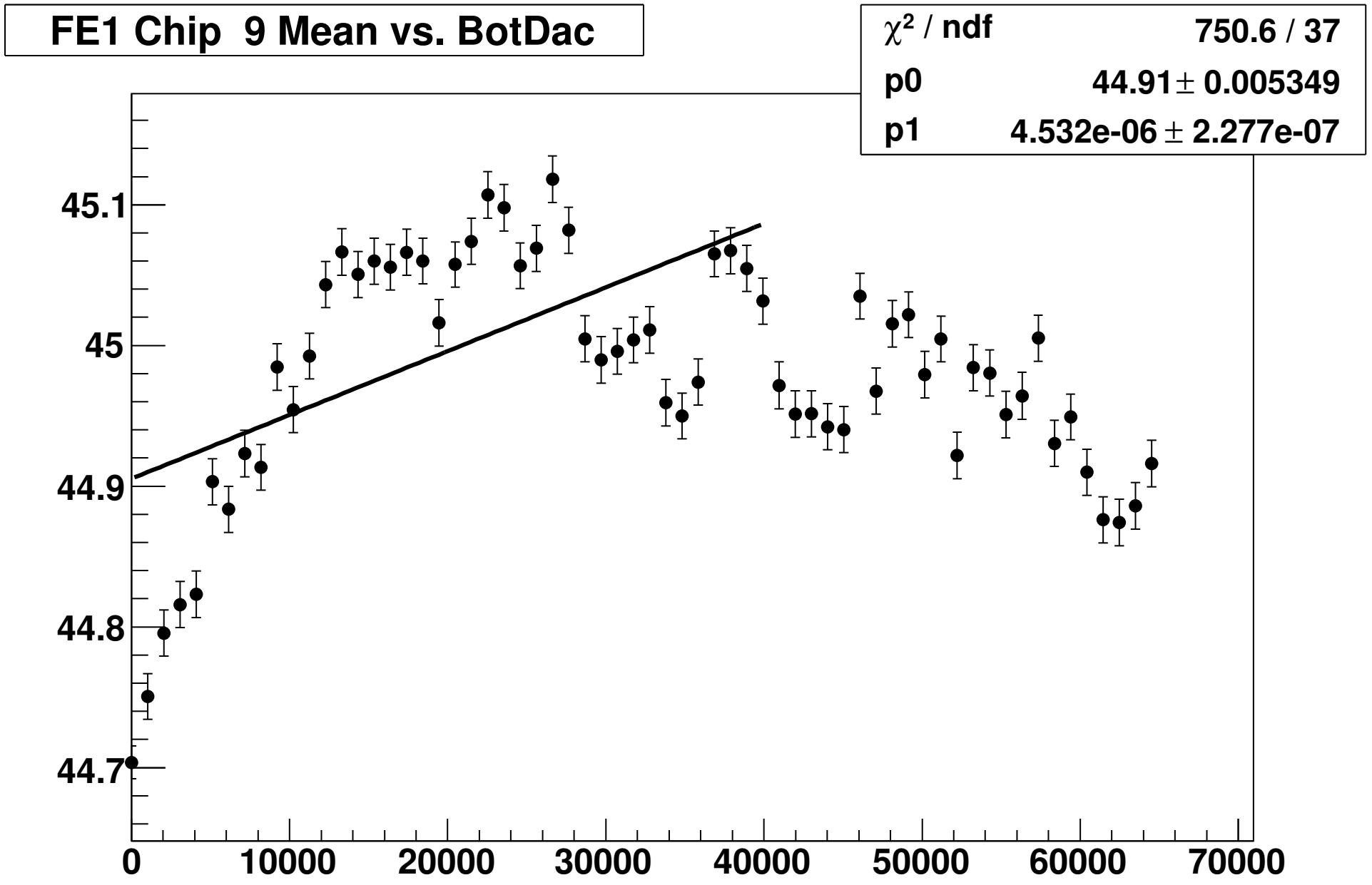

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1202 / 37
p0 1.387 ± 0.002844
p1 3.465e-05 ± 2.071e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

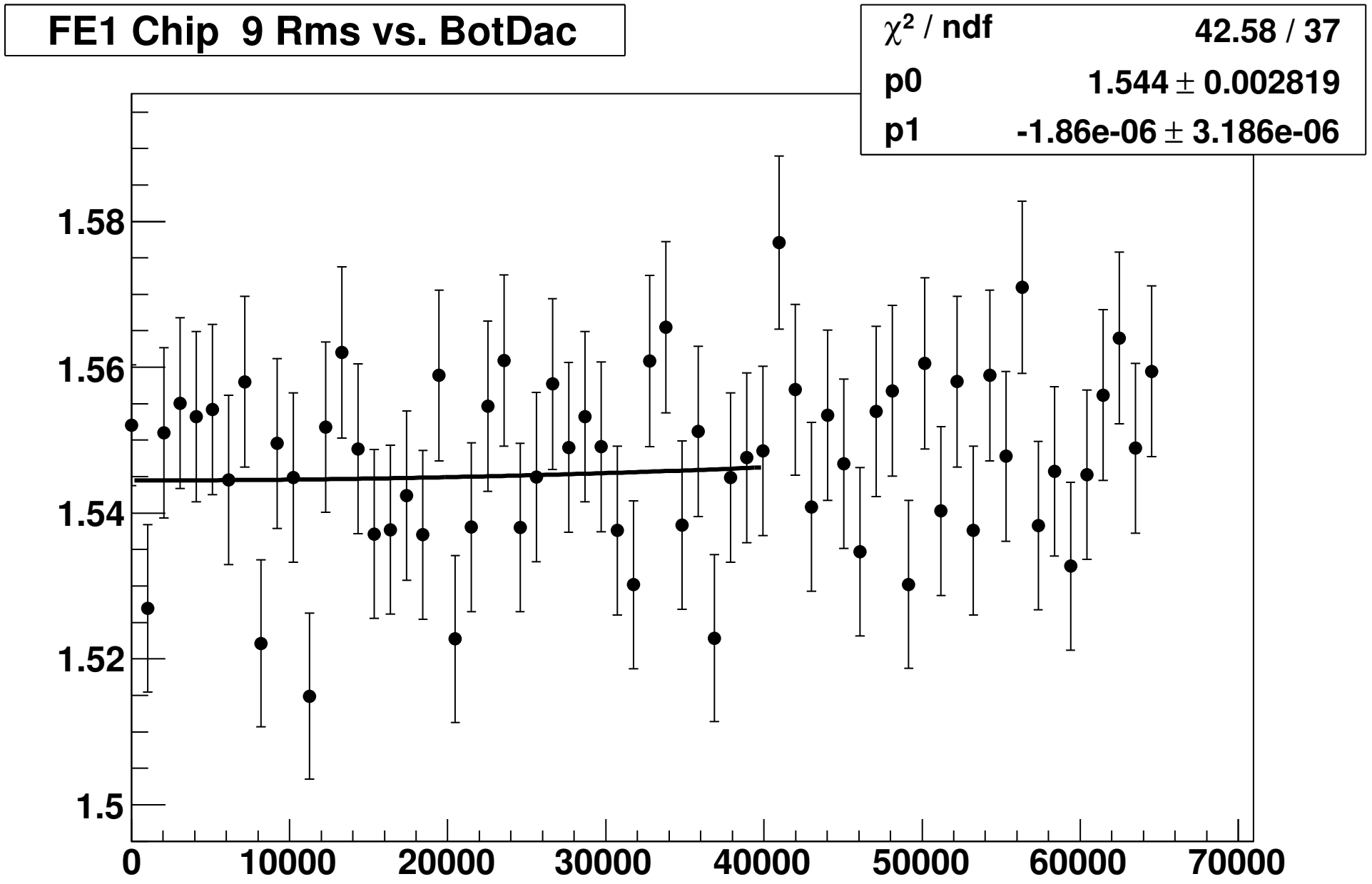

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 712.8 / 37
p0 42.12 ± 0.005111
p1 4.132e-06 ± 2.175e-07
42.3
42.2
42.1
42
41.9
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 54.39 / 37
p0 1.474 ± 0.002775
p1 1.041e-06 ± 5.514e-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


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 4.15e+04 / 37
p0 41.77 ± 0.005225
p1 0.4514 ± 2.457e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 694 / 37
p0 1.393 ± 0.002859
p1 3.512e-05 ± 2.072e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 750.6 / 37
p0 44.91 ± 0.005349
p1 4.532e-06 ± 2.277e-07
45.1
45
44.9
44.8
44.7
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 42.58 / 37
p0 1.544 ± 0.002819
p1 -1.86e-06 ± 3.186e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
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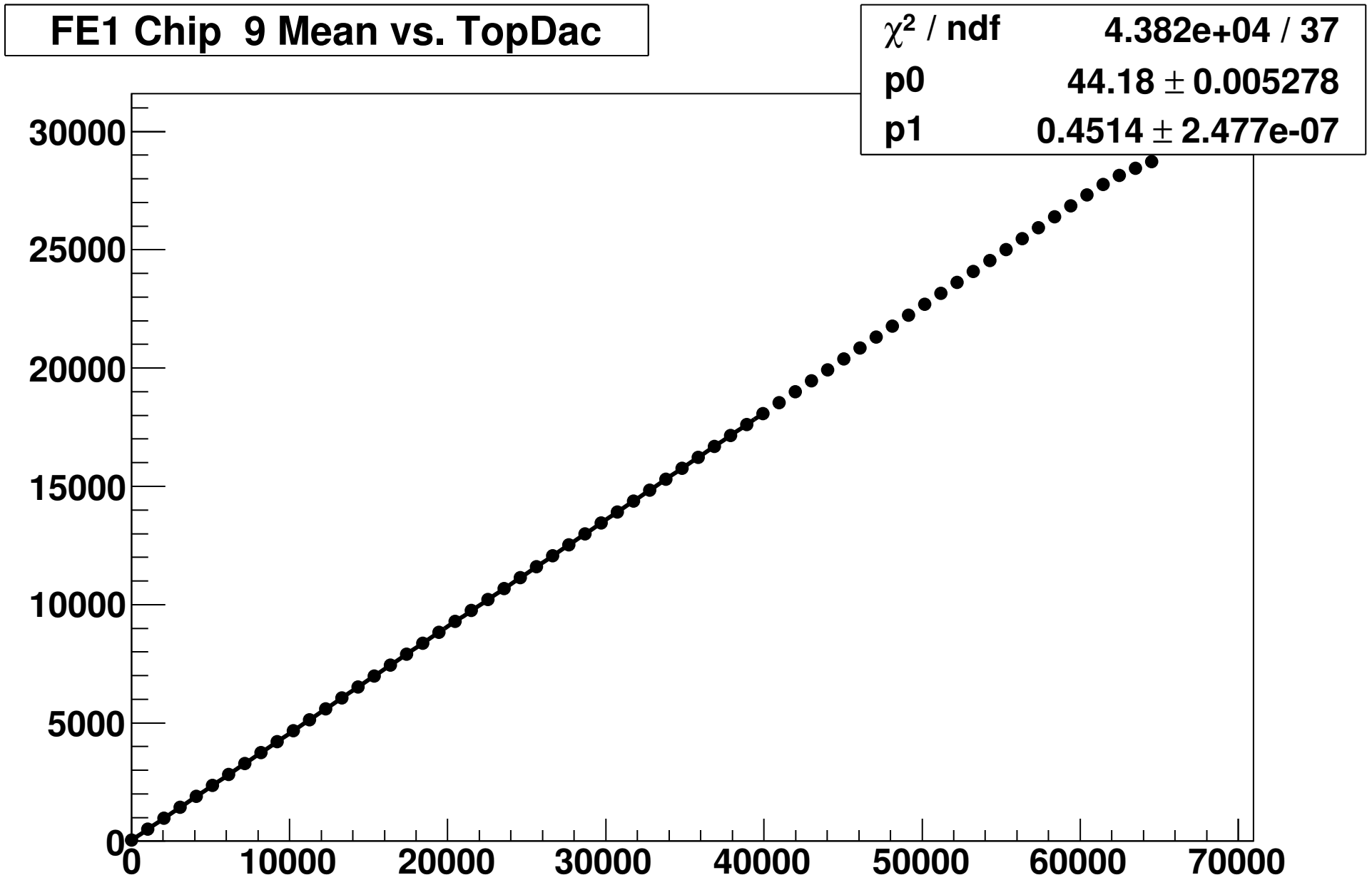
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 4.382e+04 / 37
p0 44.18 ± 0.005278
p1 0.4514 ± 2.477e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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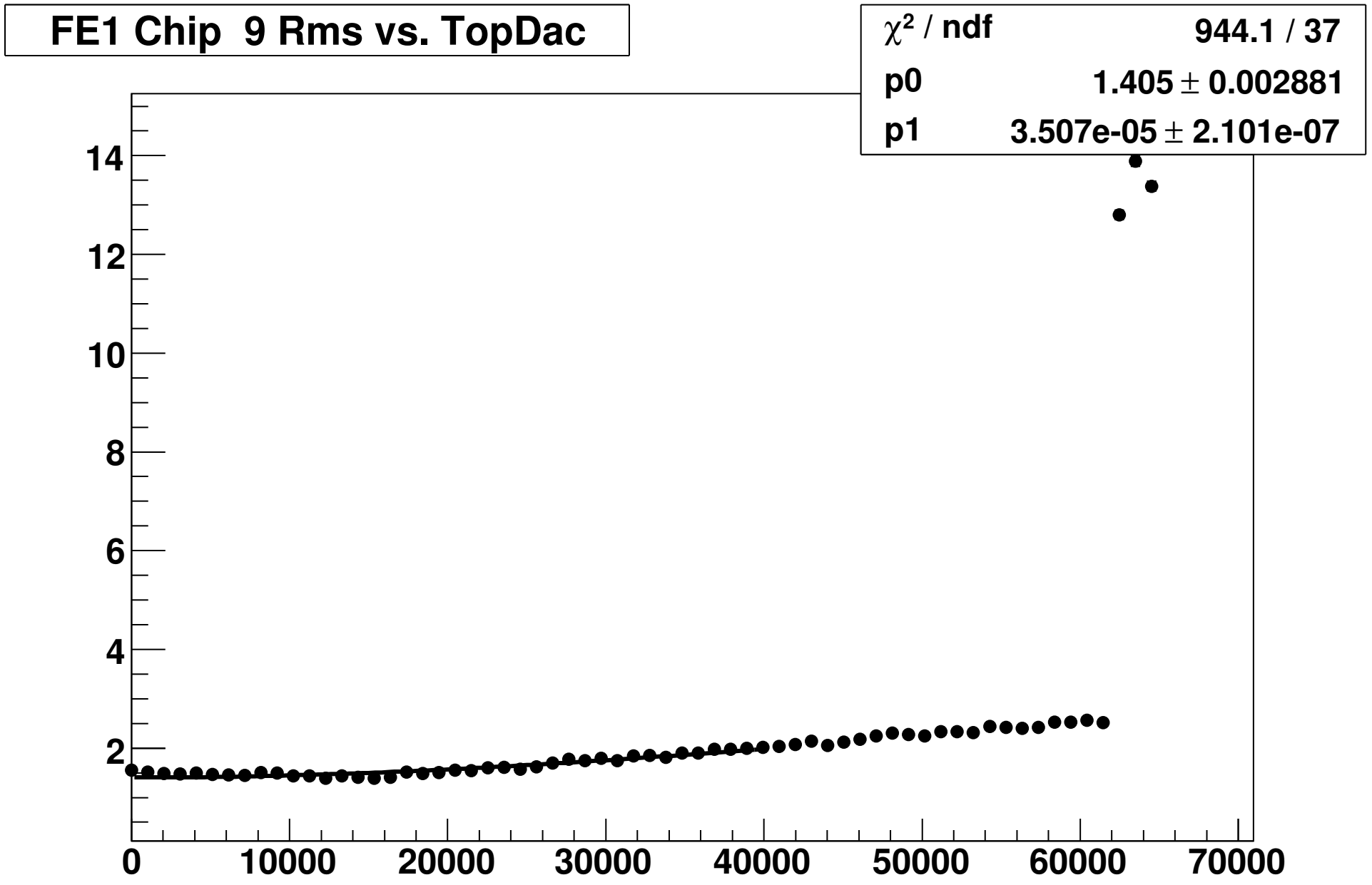
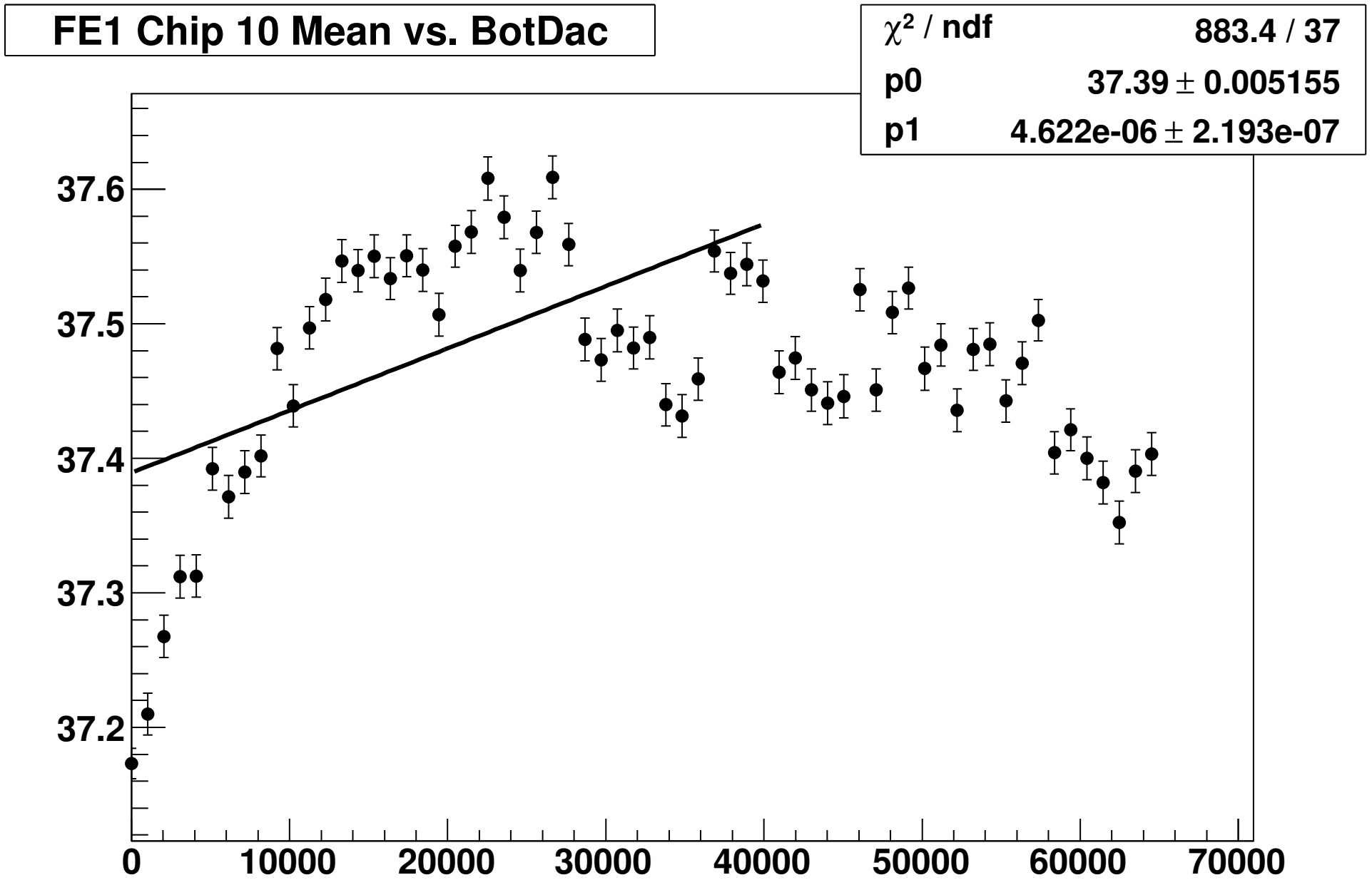
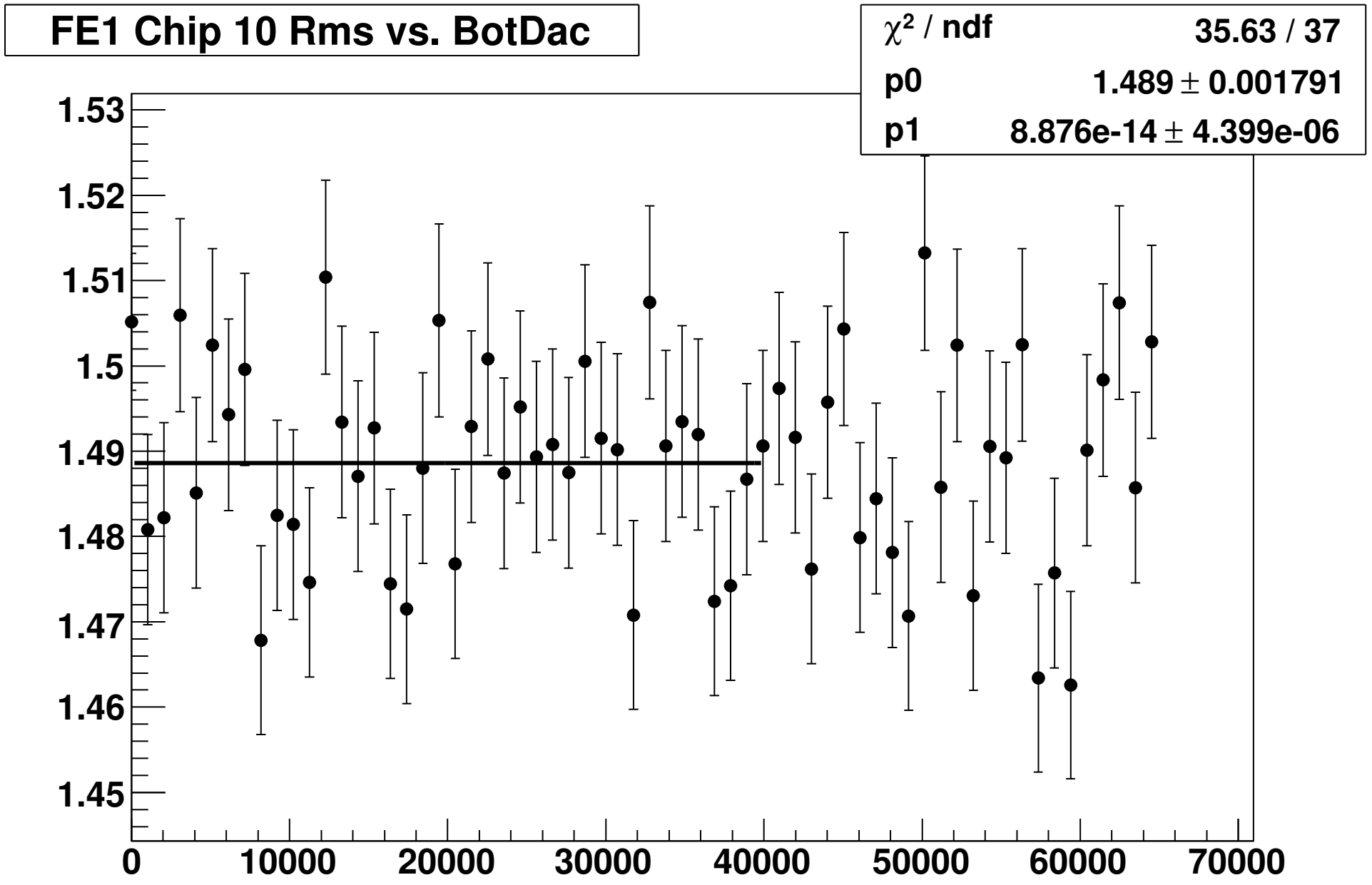
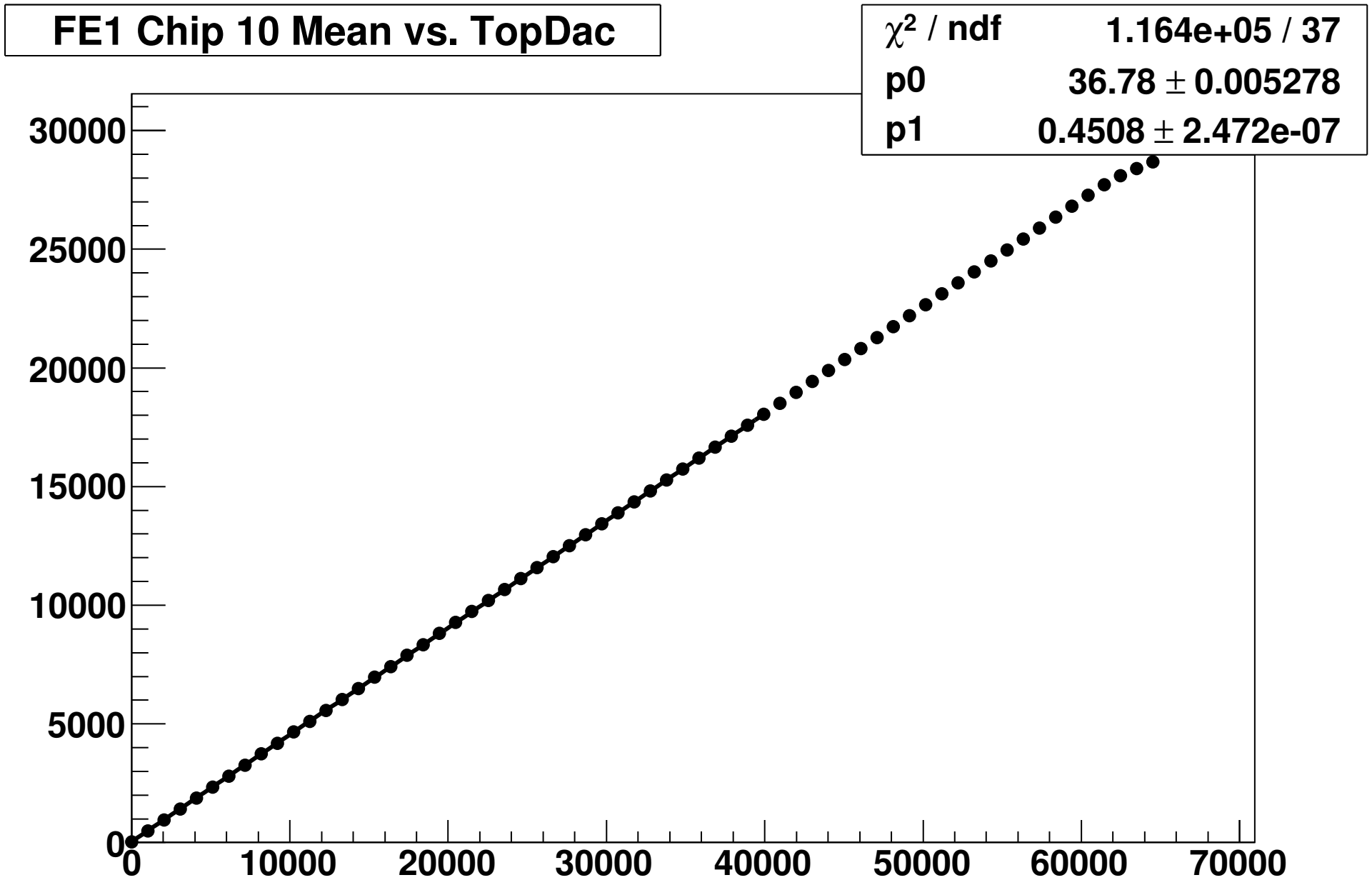

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 944.1 / 37
p0 1.405 ± 0.002881
p1 3.507e-05 ± 2.101e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 883.4 / 37
p0 37.39 ± 0.005155
p1 4.622e-06 ± 2.193e-07
37.6
37.5
37.4
37.3
37.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 35.63 / 37
p0 1.489 ± 0.001791
p1 8.876e-14 ± 4.399e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.164e+05 / 37
p0 36.78 ± 0.005278
p1 0.4508 ± 2.472e-07
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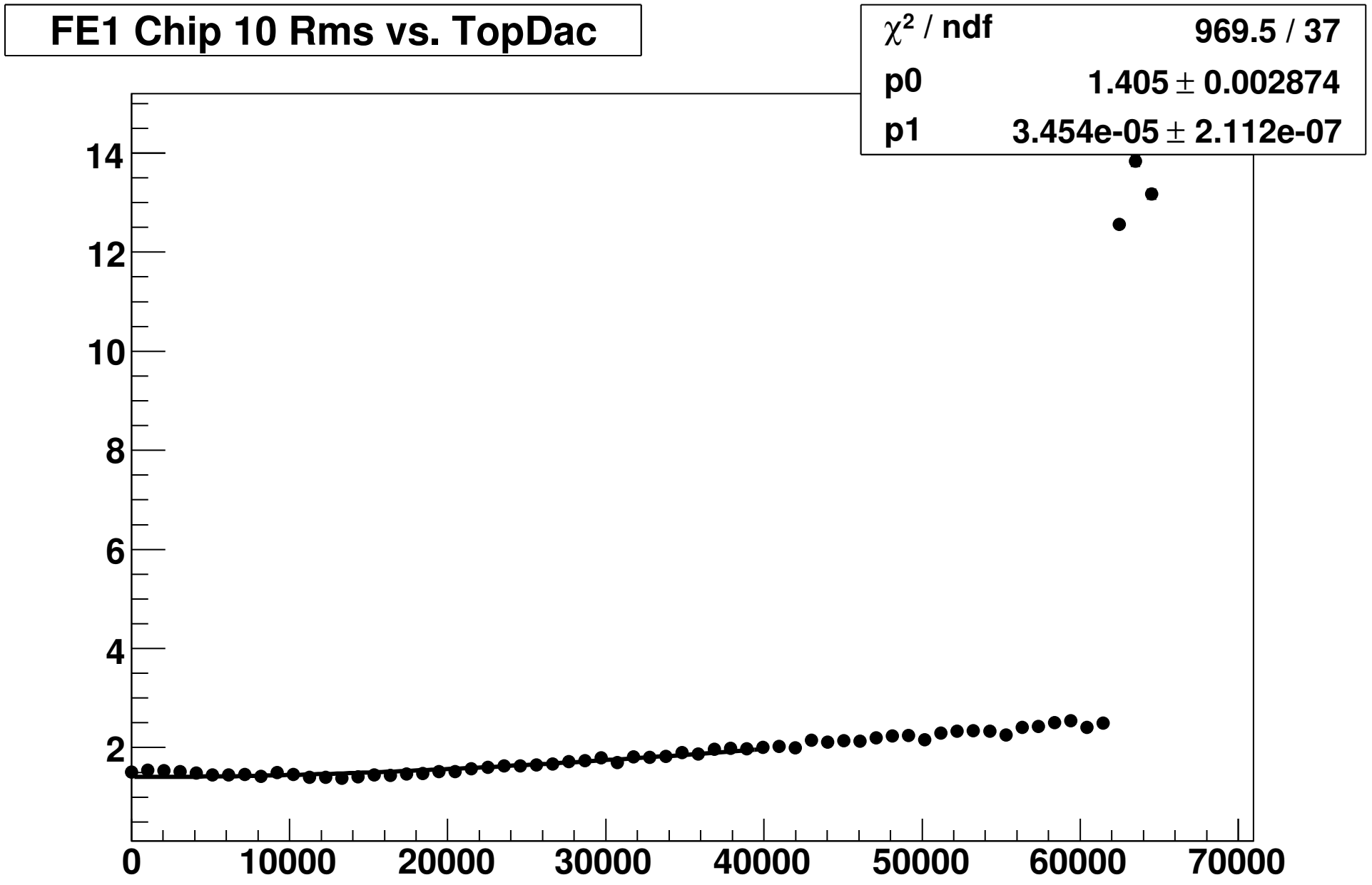
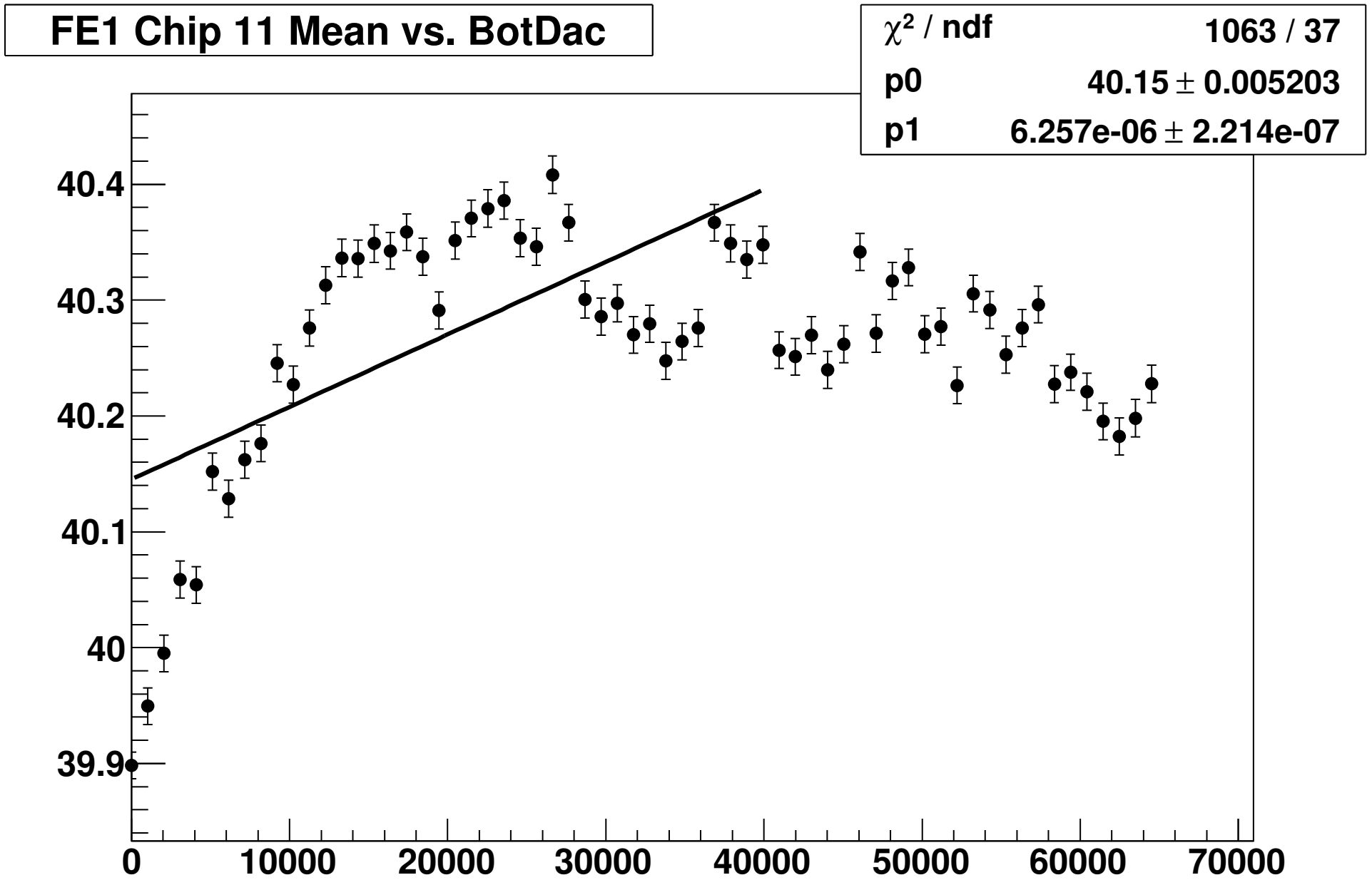
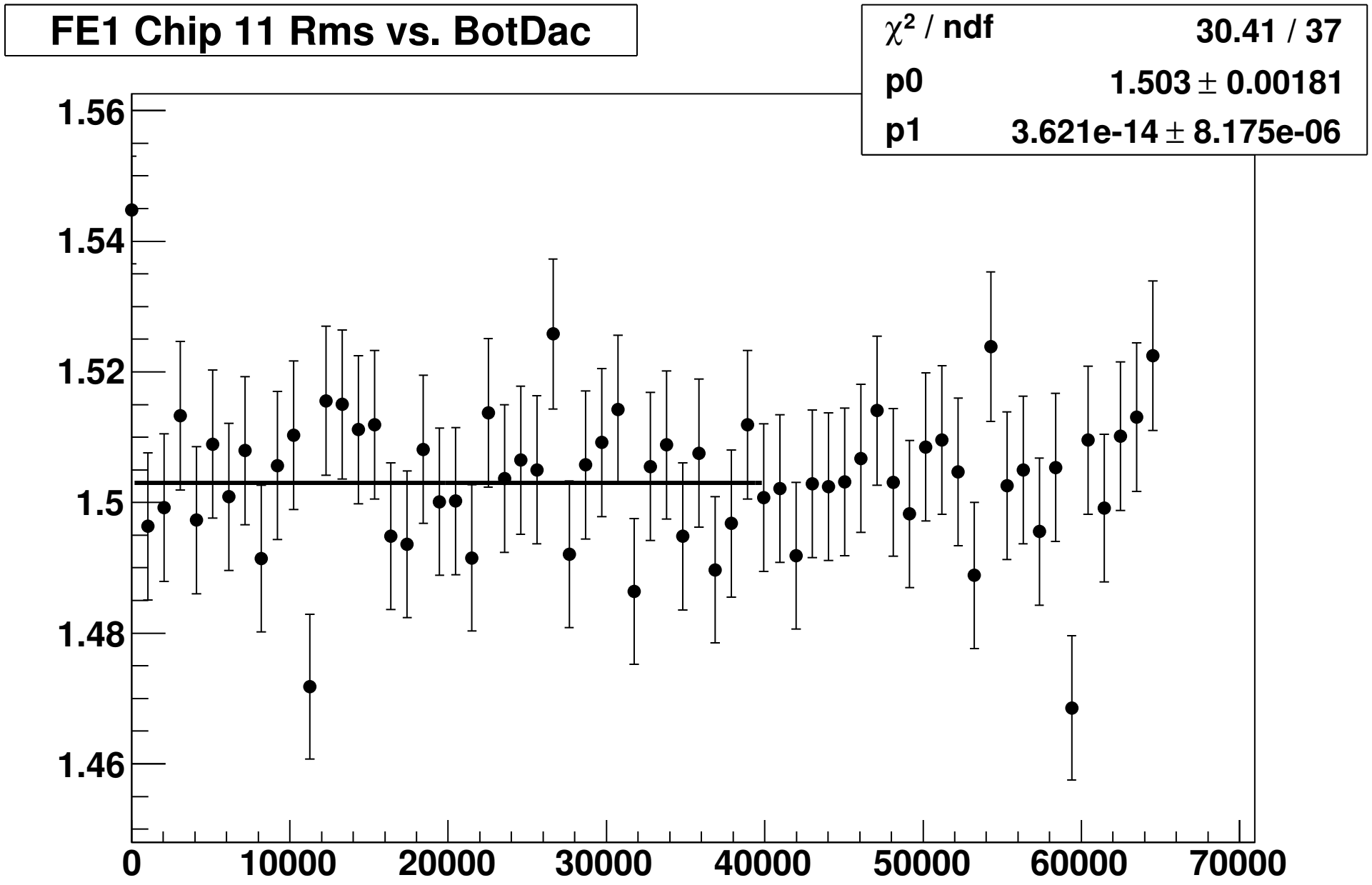
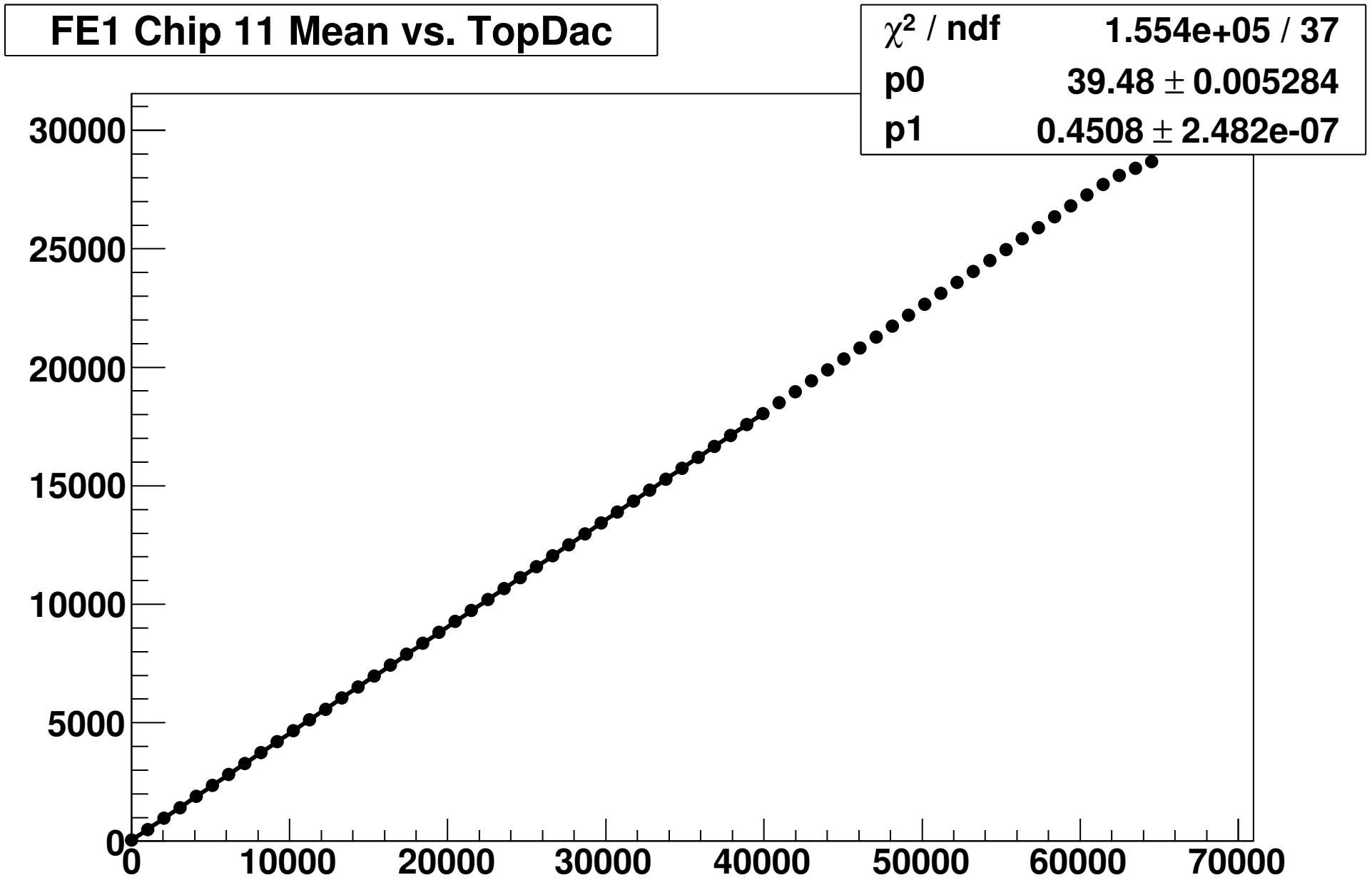
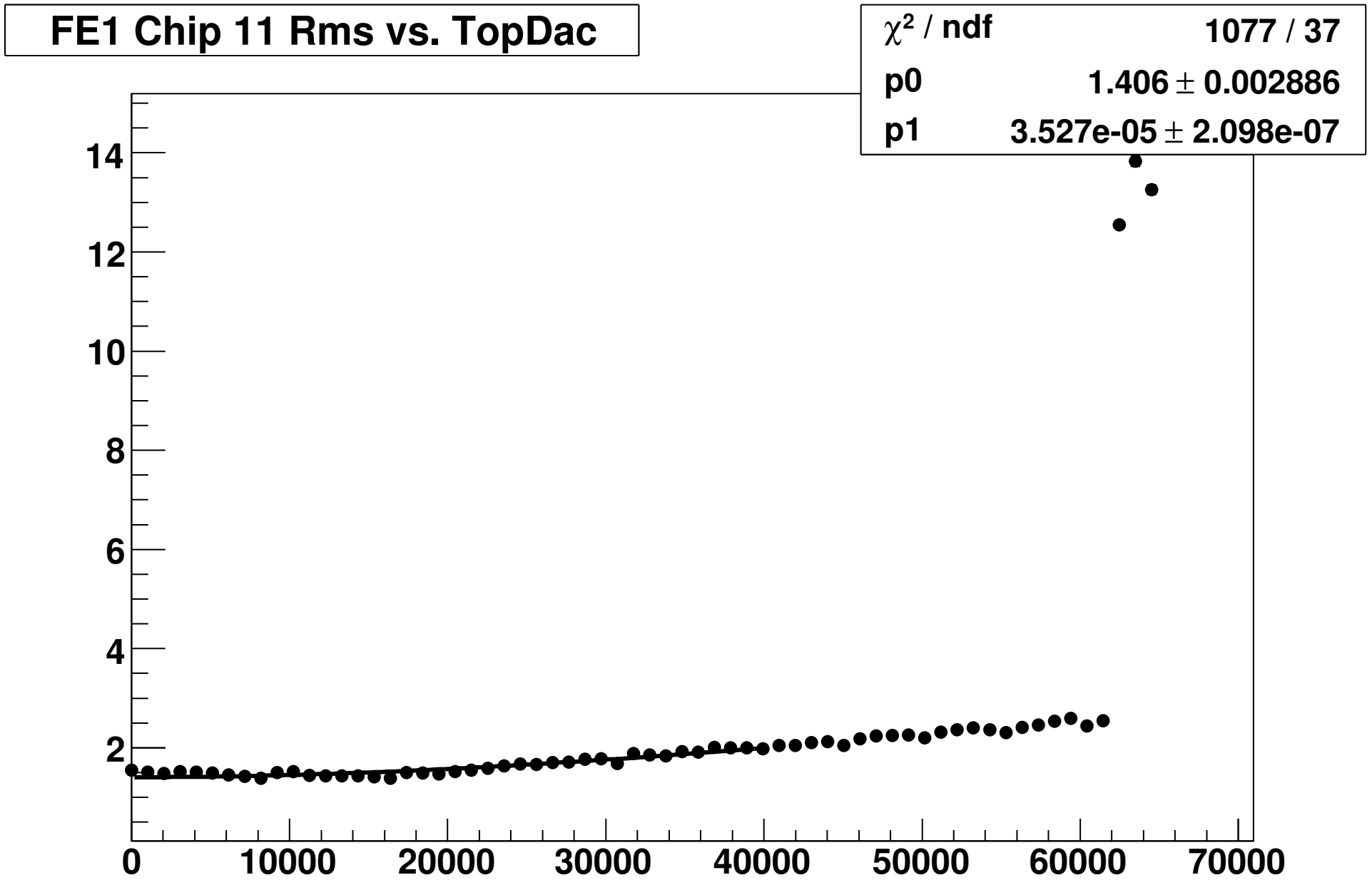
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

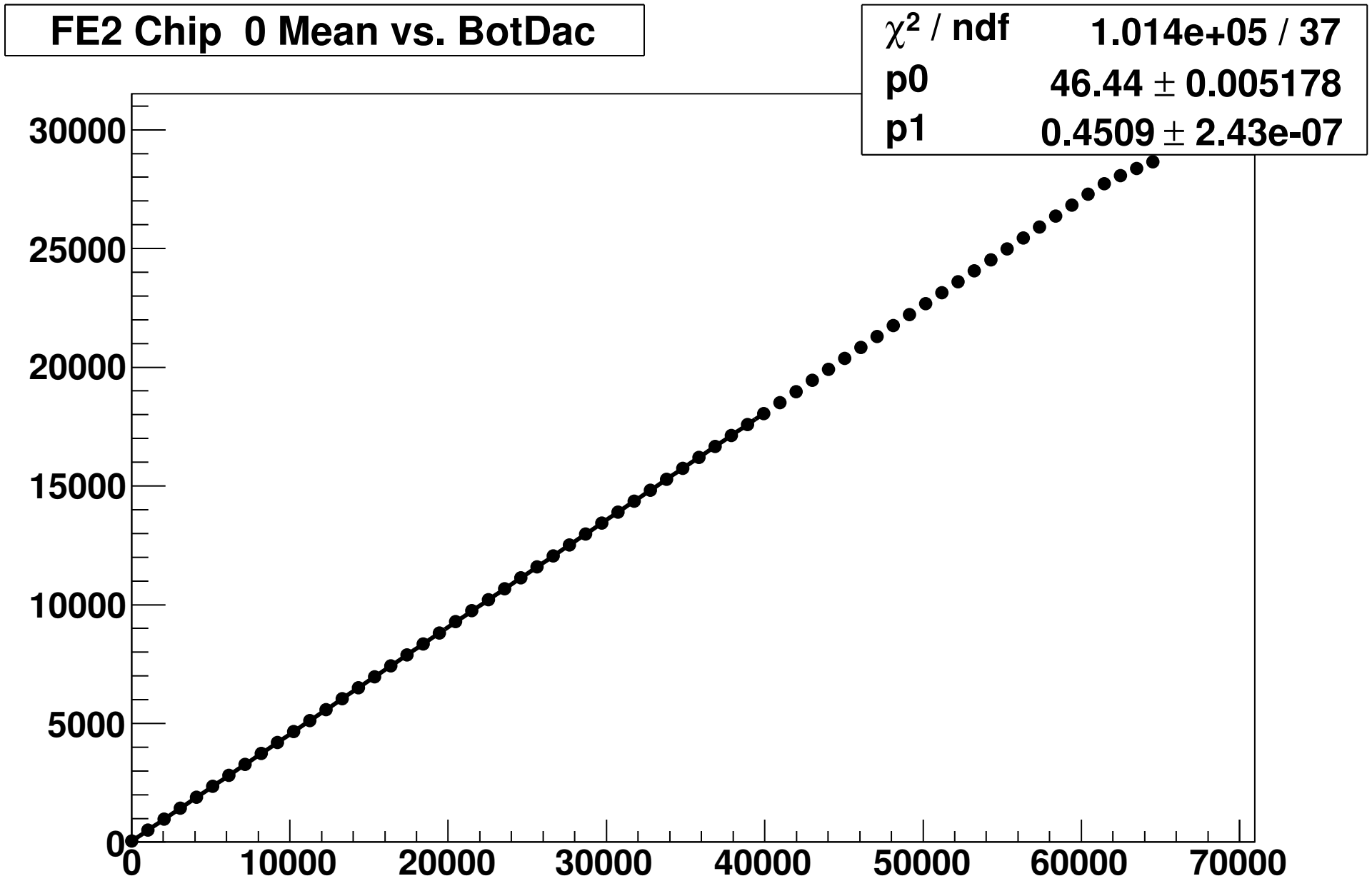

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 969.5 / 37
p0 1.405 ± 0.002874
p1 3.454e-05 ± 2.112e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

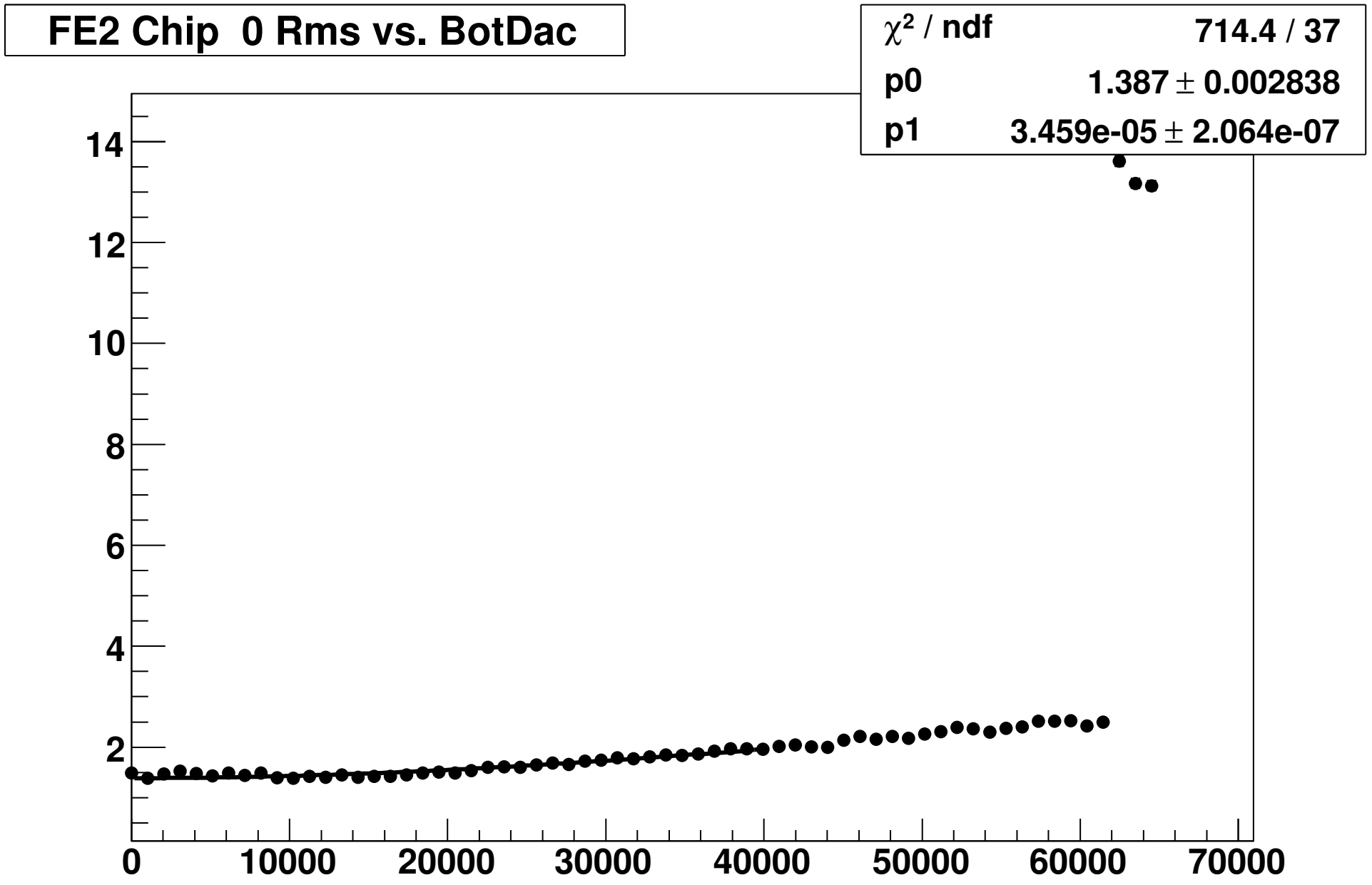

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 1063 / 37
p0 40.15 ± 0.005203
p1 6.257e-06 ± 2.214e-07
40.4
40.3
40.2
40.1
40
39.9
0
10000
20000
30000
40000
50000
60000
70000

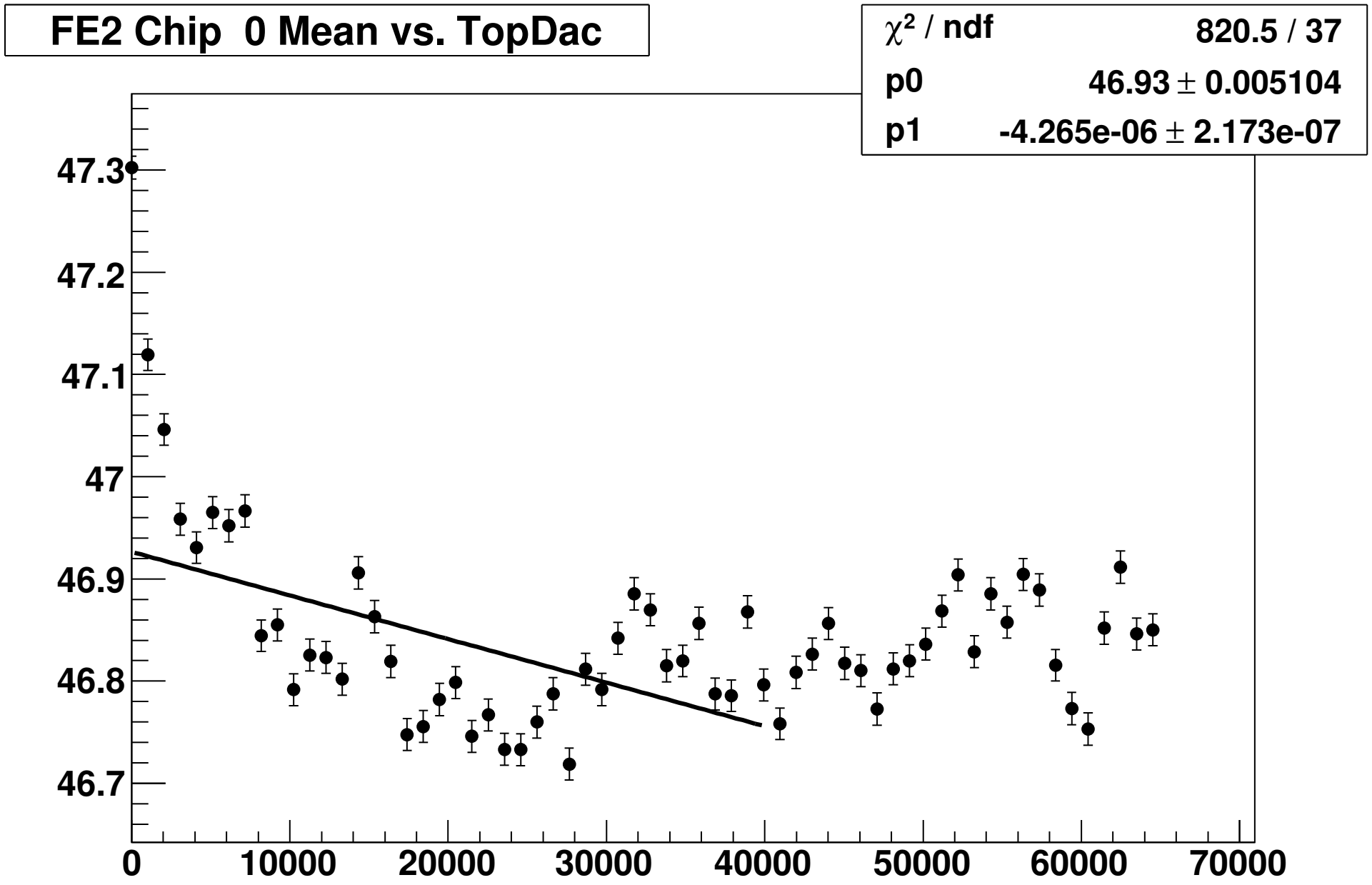

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 30.41 / 37
p0 1.503 ± 0.00181
p1 3.621e-14 ± 8.175e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

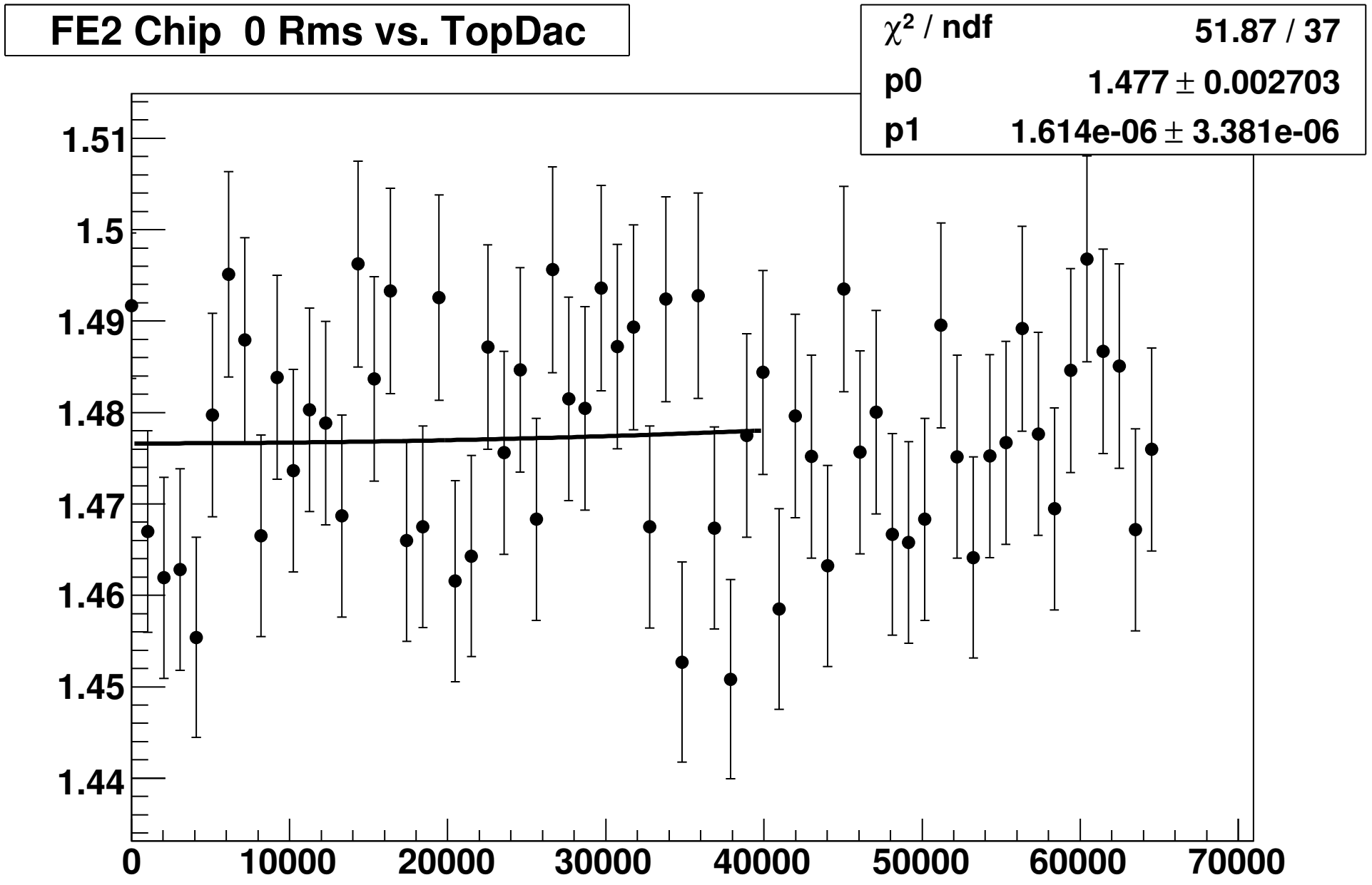

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.554e+05 / 37
p0 39.48 ± 0.005284
p1 0.4508 ± 2.482e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 1077 / 37
p0 1.406 ± 0.002886
p1 3.527e-05 ± 2.098e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.014e+05 / 37
p0 46.44 ± 0.005178
p1 0.4509 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 714.4 / 37
p0 1.387 ± 0.002838
p1 3.459e-05 ± 2.064e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 820.5 / 37
p0 46.93 ± 0.005104
p1 -4.265e-06 ± 2.173e-07
47.3
47.2
47.1
47
46.9
46.8
46.7
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 51.87 / 37
p0 1.477 ± 0.002703
p1 1.614e-06 ± 3.381e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
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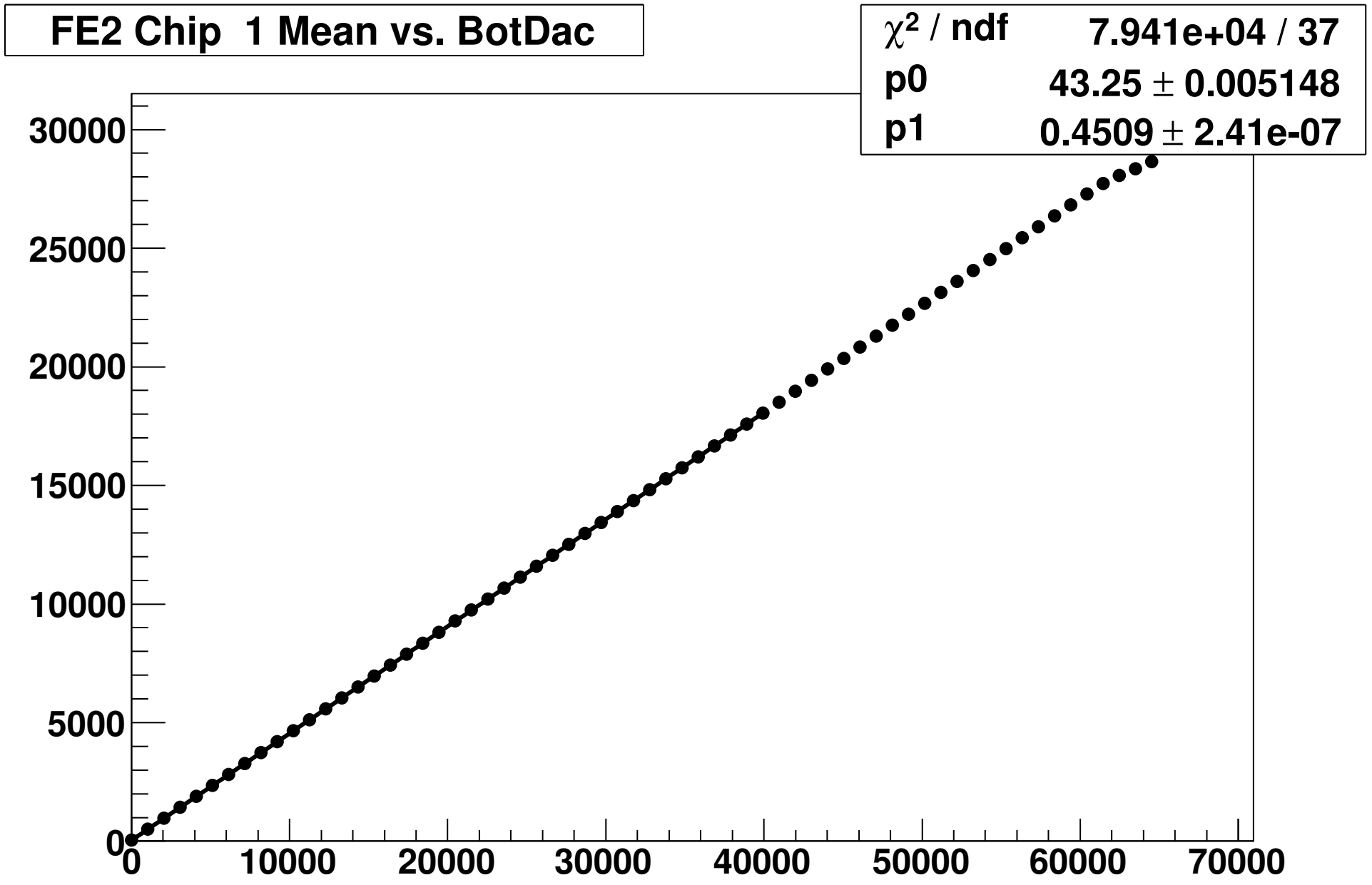
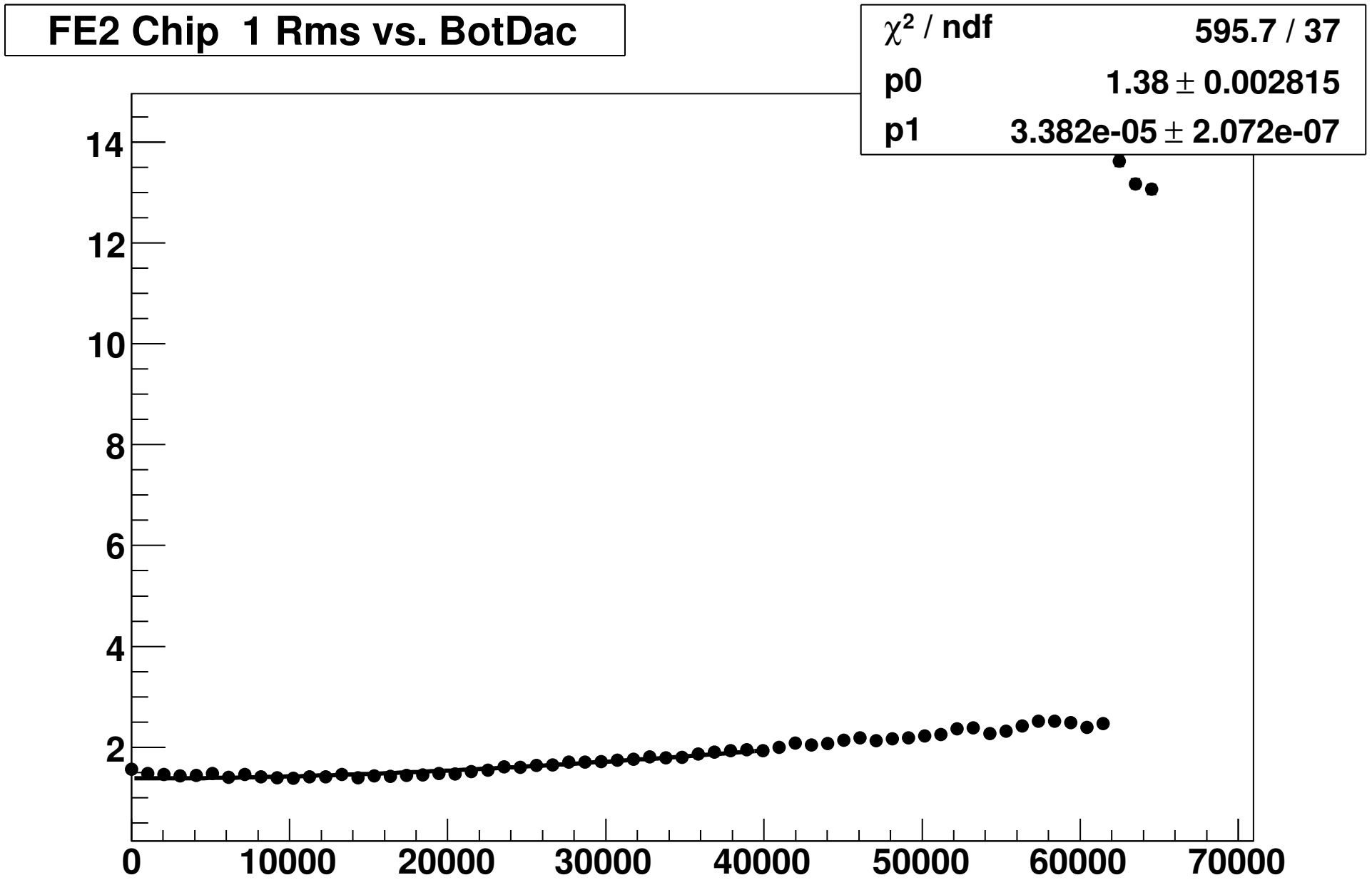

FE2 Chip 1 Mean vs. BotDac
χ² / ndf 7.941e+04 / 37
p0 43.25 ± 0.005148
p1 0.4509 ± 2.41e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 595.7 / 37
p0 1.38 ± 0.002815
p1 3.382e-05 ± 2.072e-07
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12
10
8
6
4
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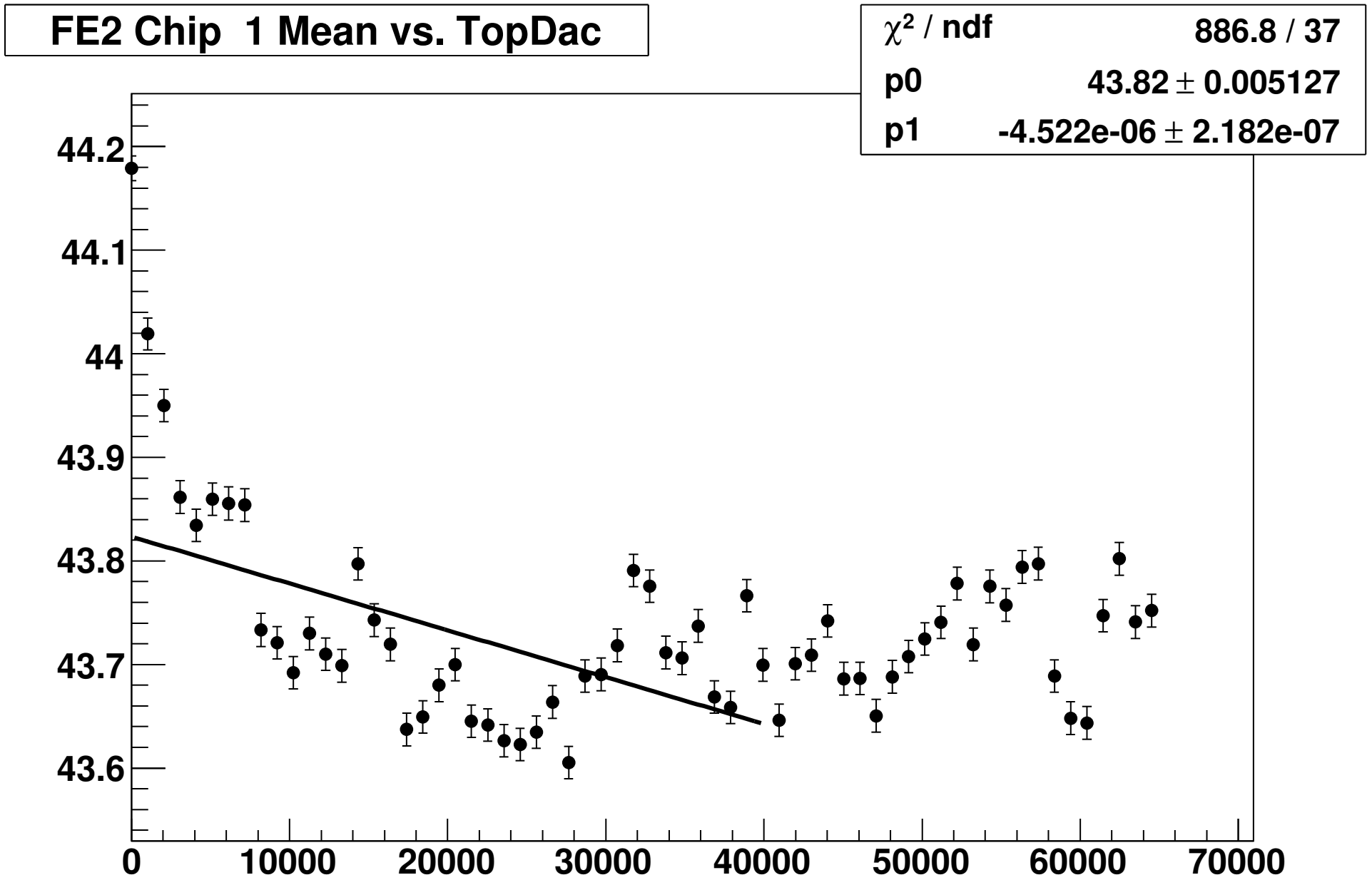
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 886.8 / 37
p0 43.82 ± 0.005127
p1 -4.522e-06 ± 2.182e-07
44.2
44.1
44
43.9
43.8
43.7
43.6
0
10000
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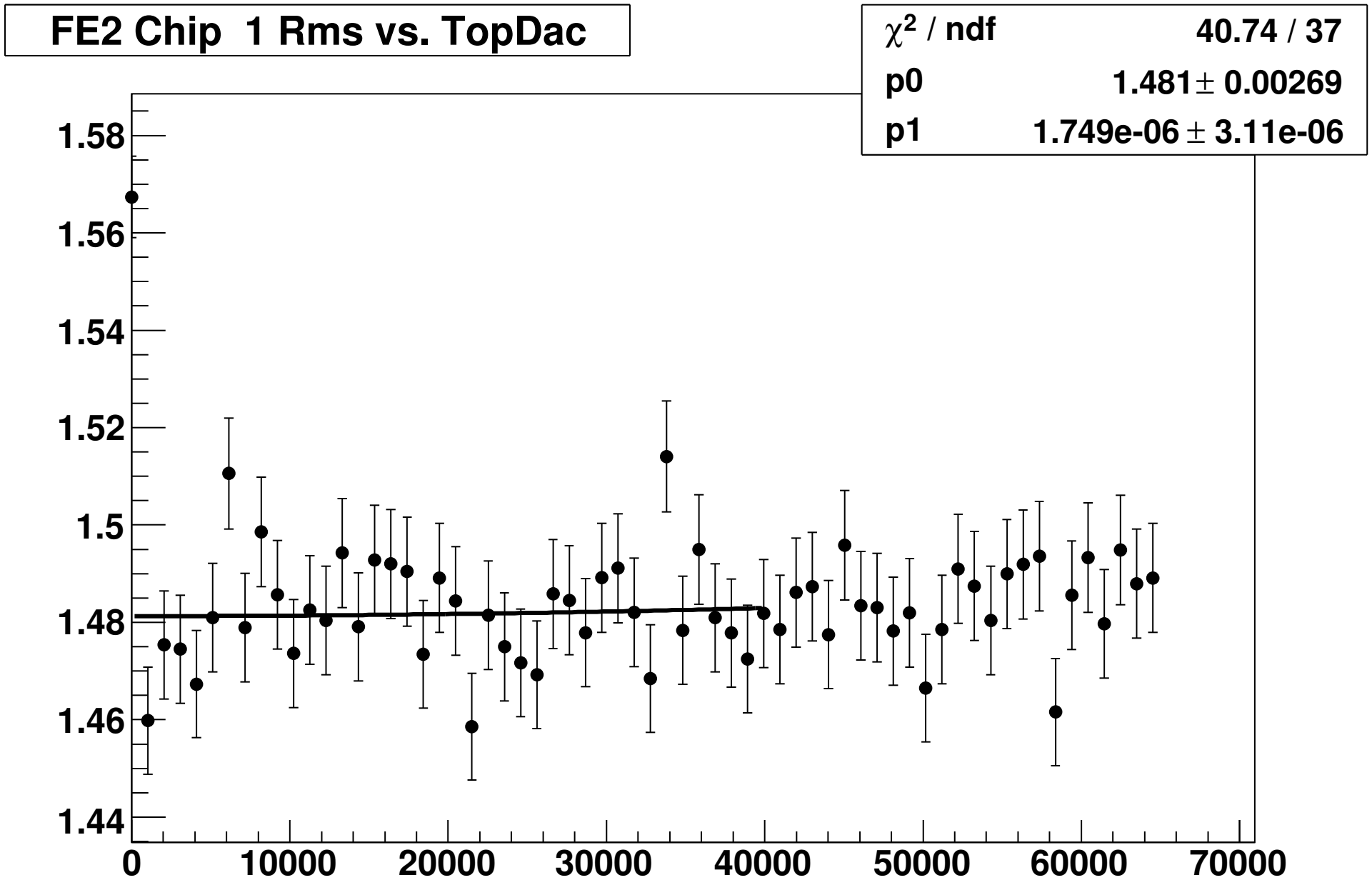
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 40.74 / 37
p0 1.481 ± 0.00269
p1 1.749e-06 ± 3.11e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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50000
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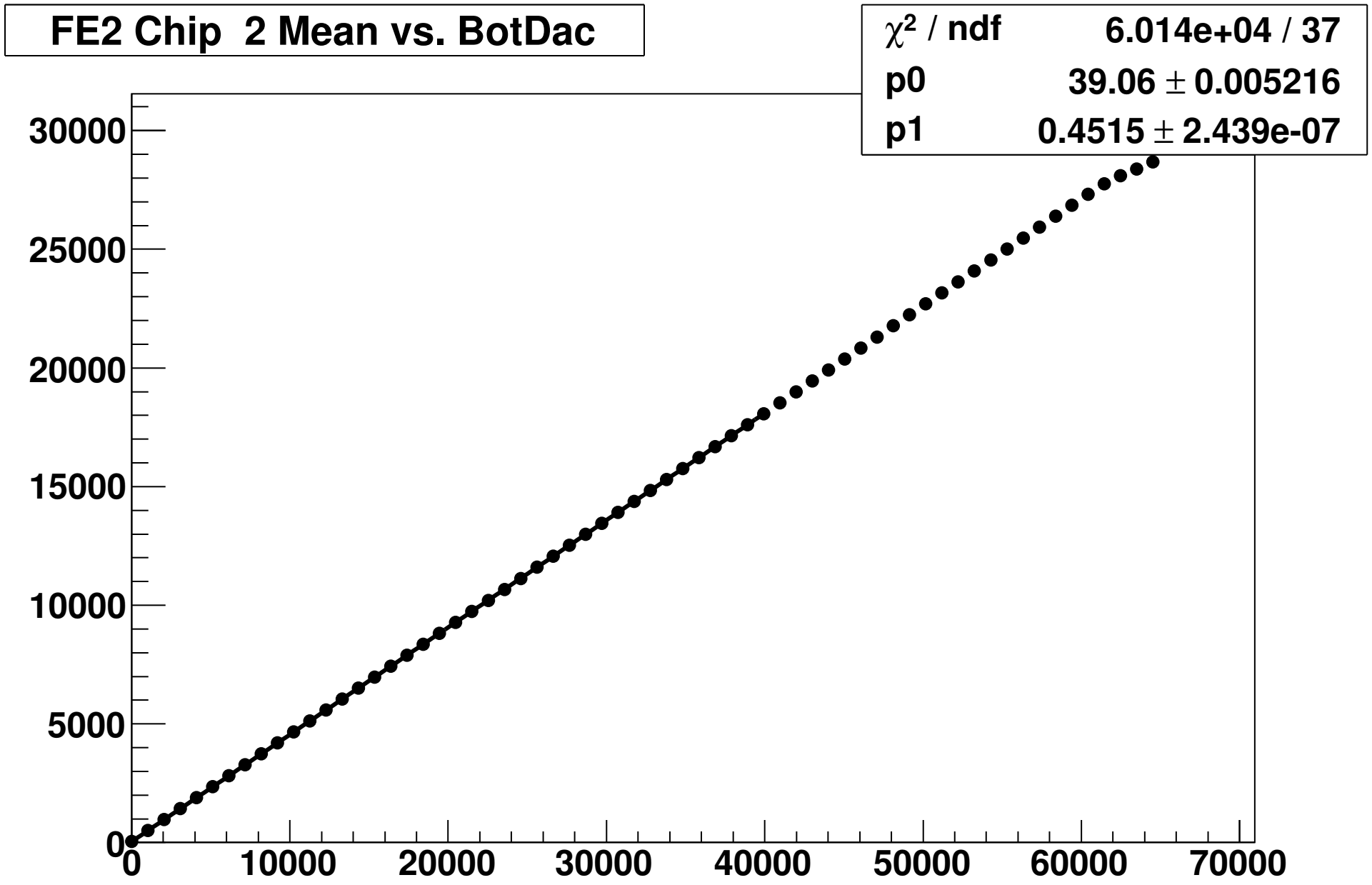
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 6.014e+04 / 37
p0 39.06 ± 0.005216
p1 0.4515 ± 2.439e-07
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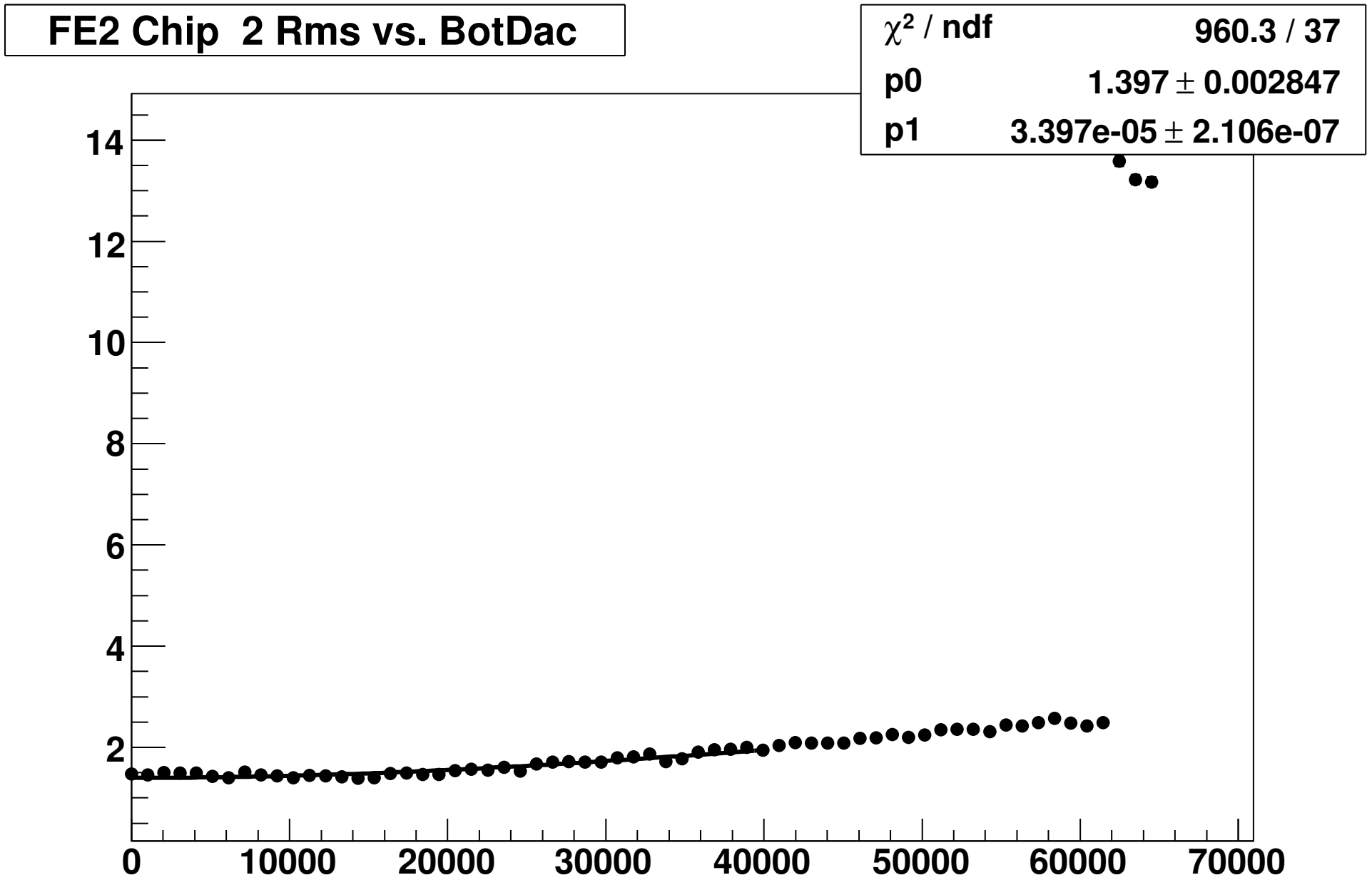
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 960.3 / 37
p0 1.397 ± 0.002847
p1 3.397e-05 ± 2.106e-07
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12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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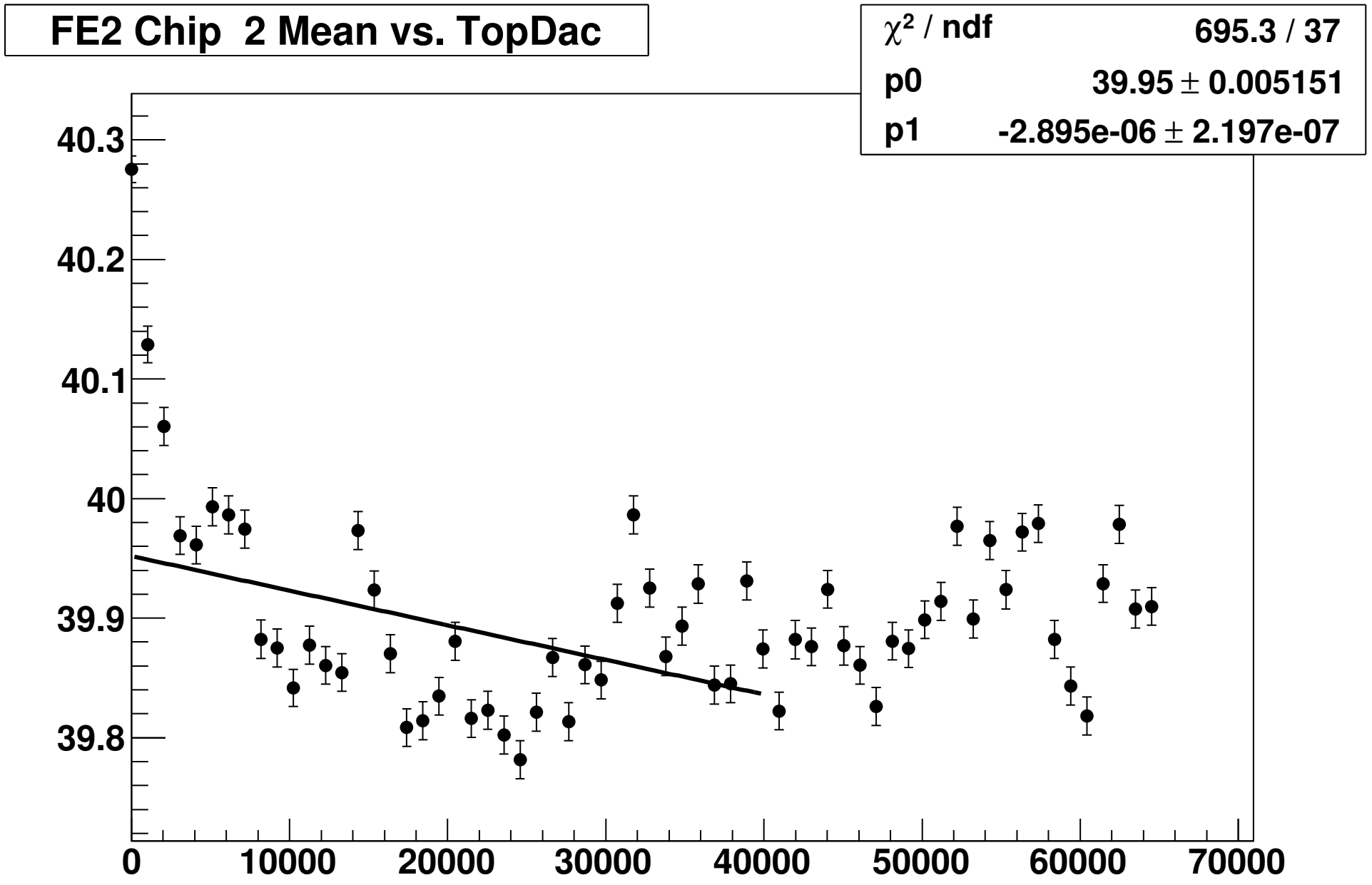
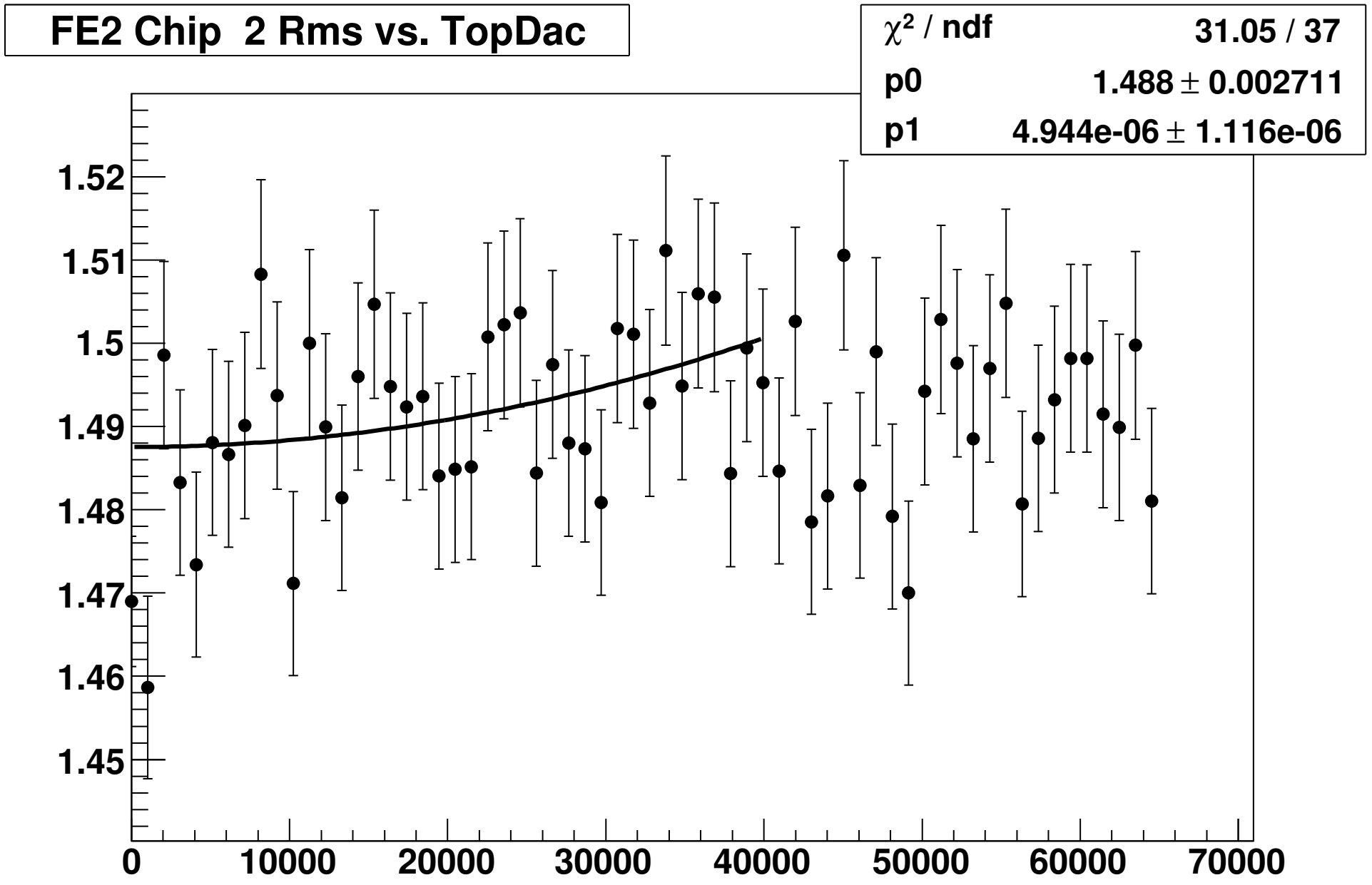

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 695.3 / 37
p0 39.95 ± 0.005151
p1 -2.895e-06 ± 2.197e-07
40.3
40.2
40.1
40
39.9
39.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 31.05 / 37
p0 1.488 ± 0.002711
p1 4.944e-06 ± 1.116e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
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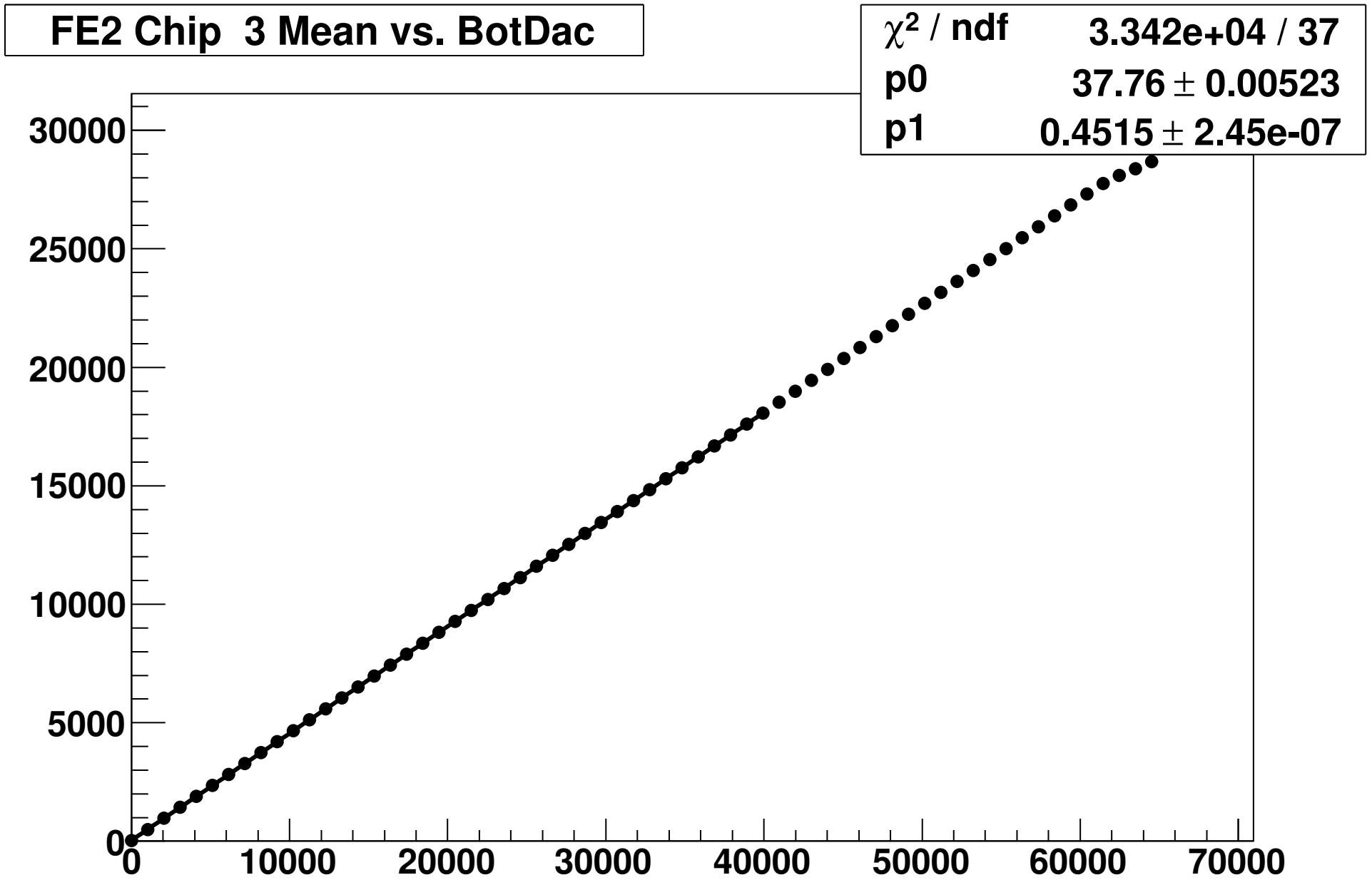
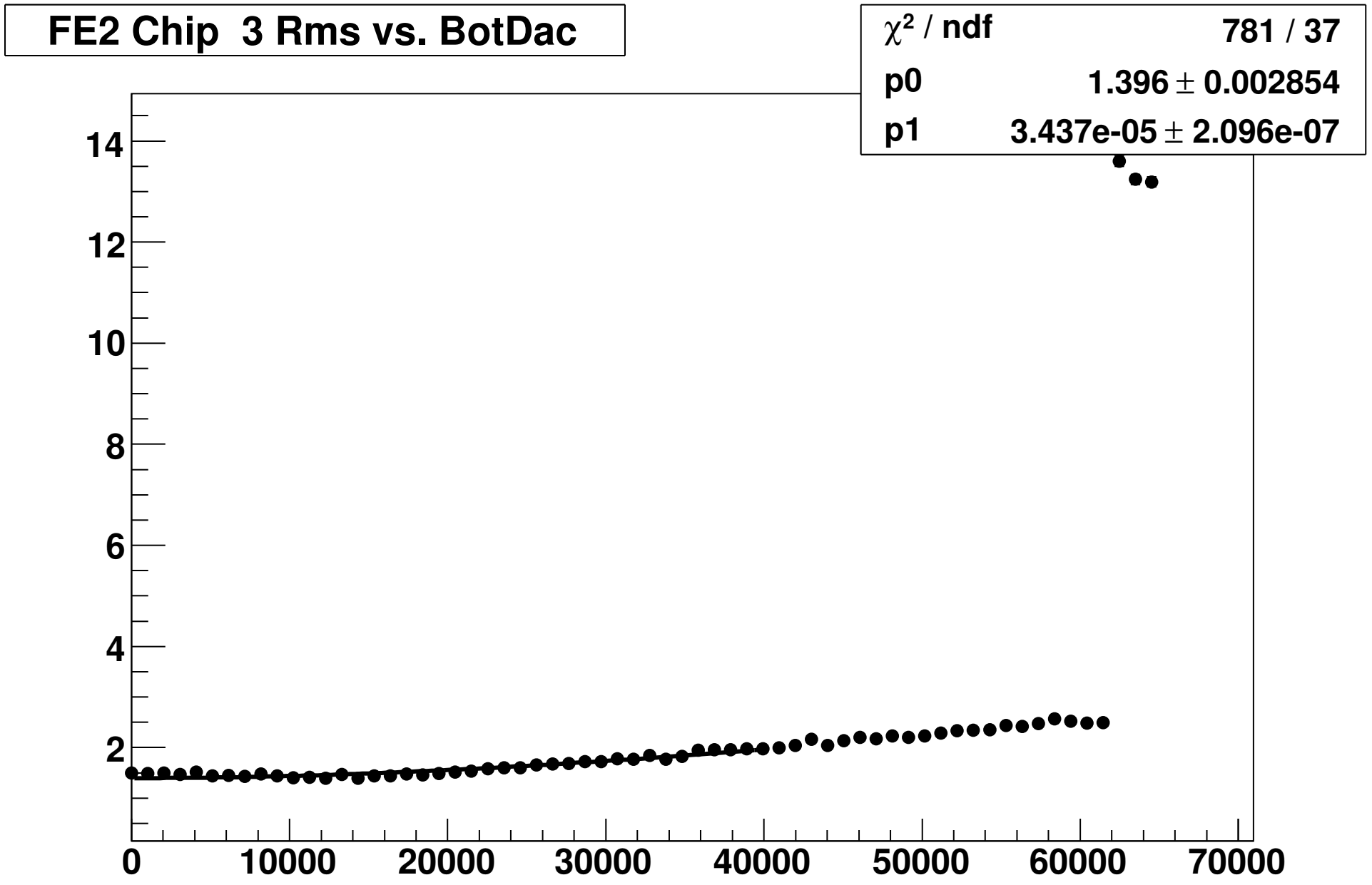
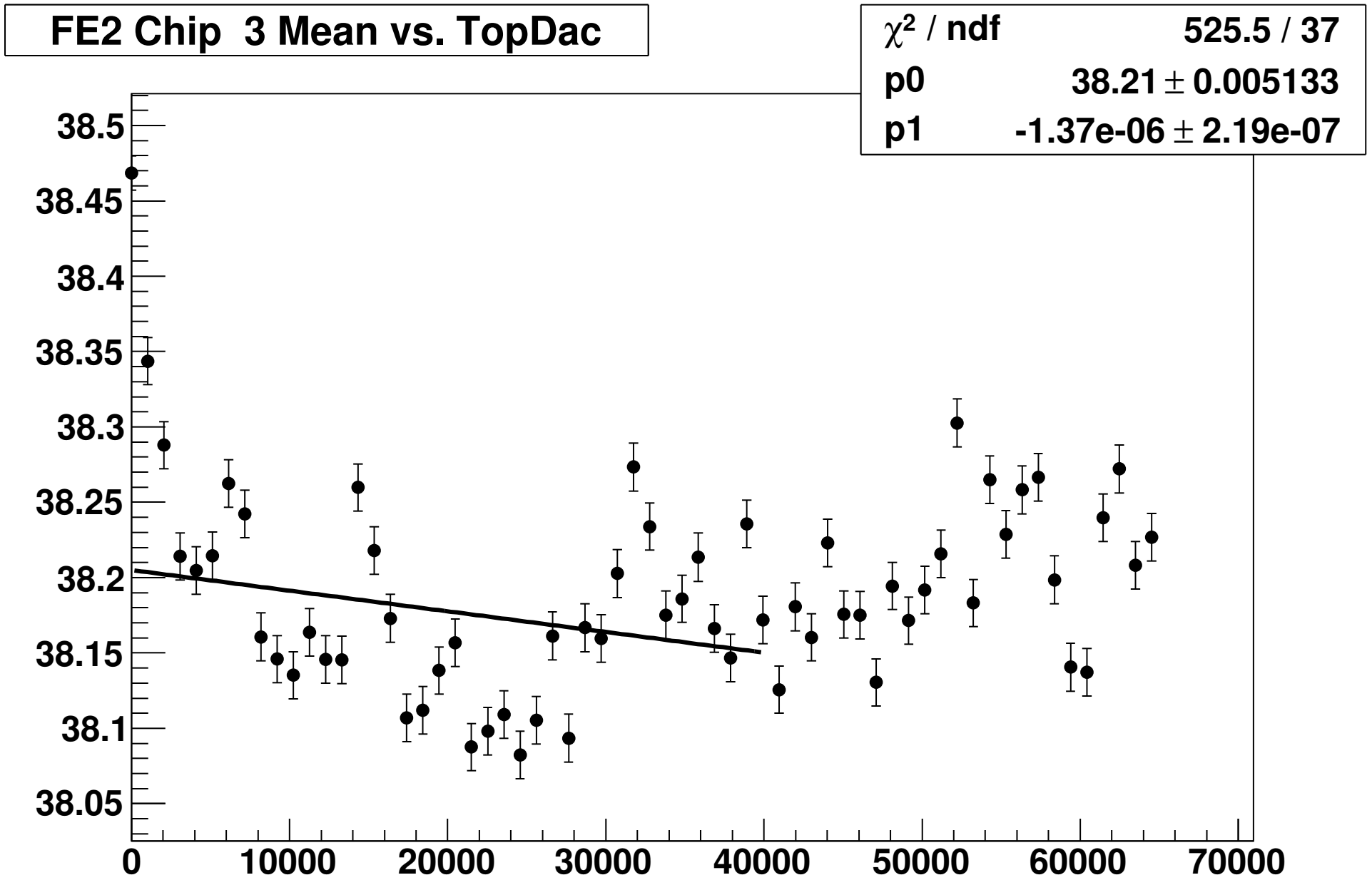

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 3.342e+04 / 37
p0 37.76 ± 0.00523
p1 0.4515 ± 2.45e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 781 / 37
p0 1.396 ± 0.002854
p1 3.437e-05 ± 2.096e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 525.5 / 37
p0 38.21 ± 0.005133
p1 -1.37e-06 ± 2.19e-07
38.5
38.45
38.4
38.35
38.3
38.25
38.2
38.15
38.1
38.05
0
10000
20000
30000
40000
50000
60000
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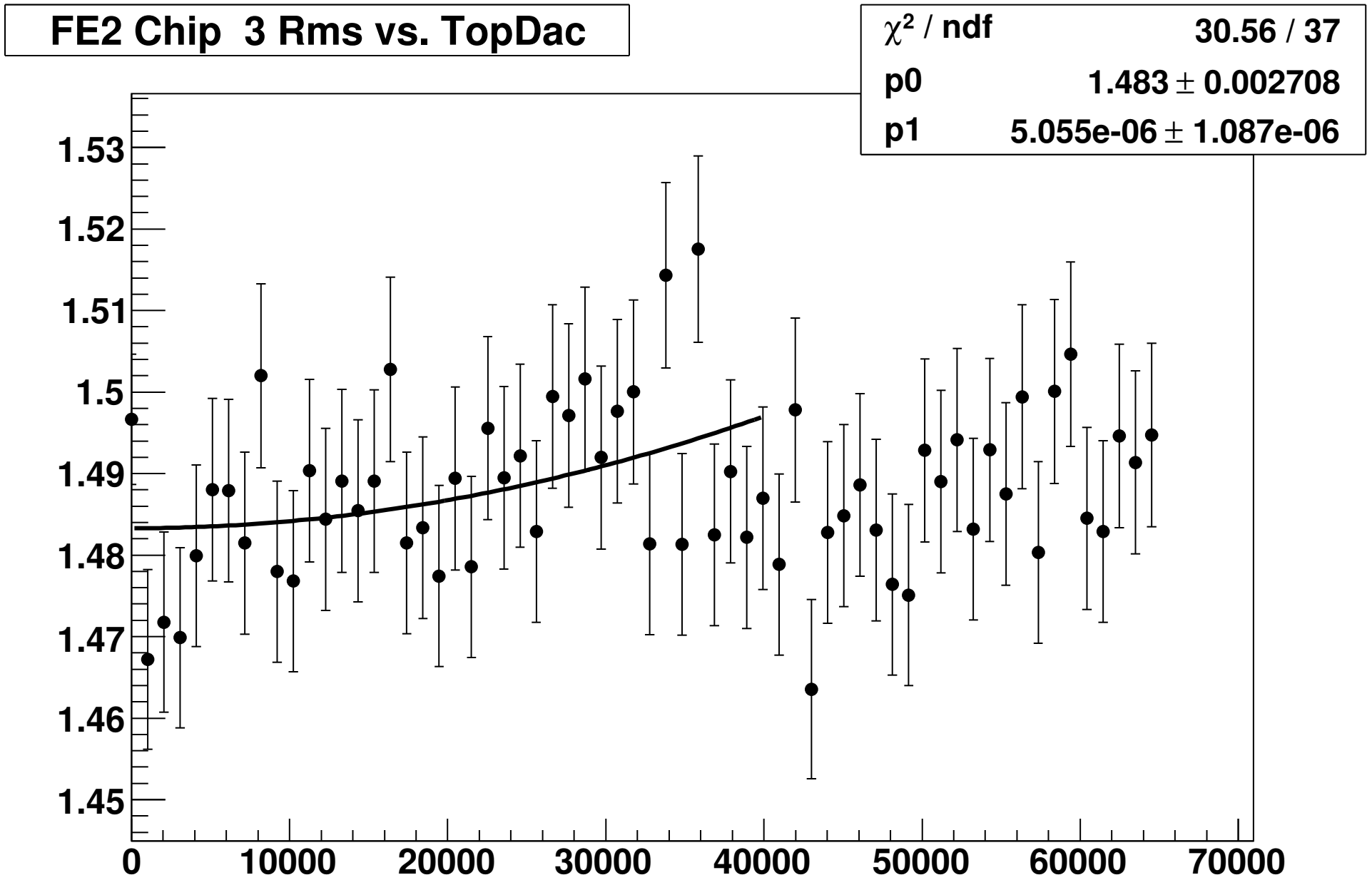
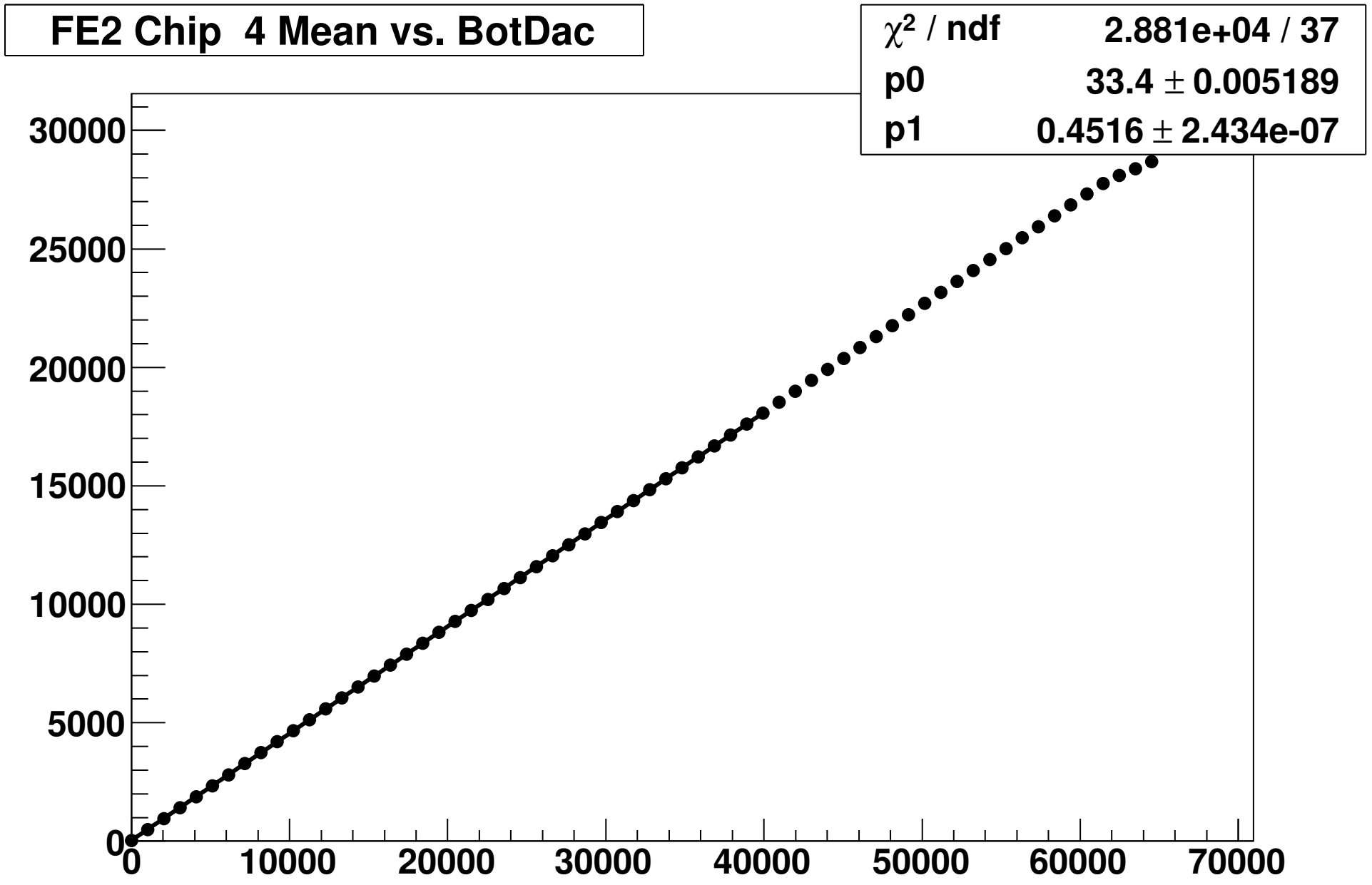
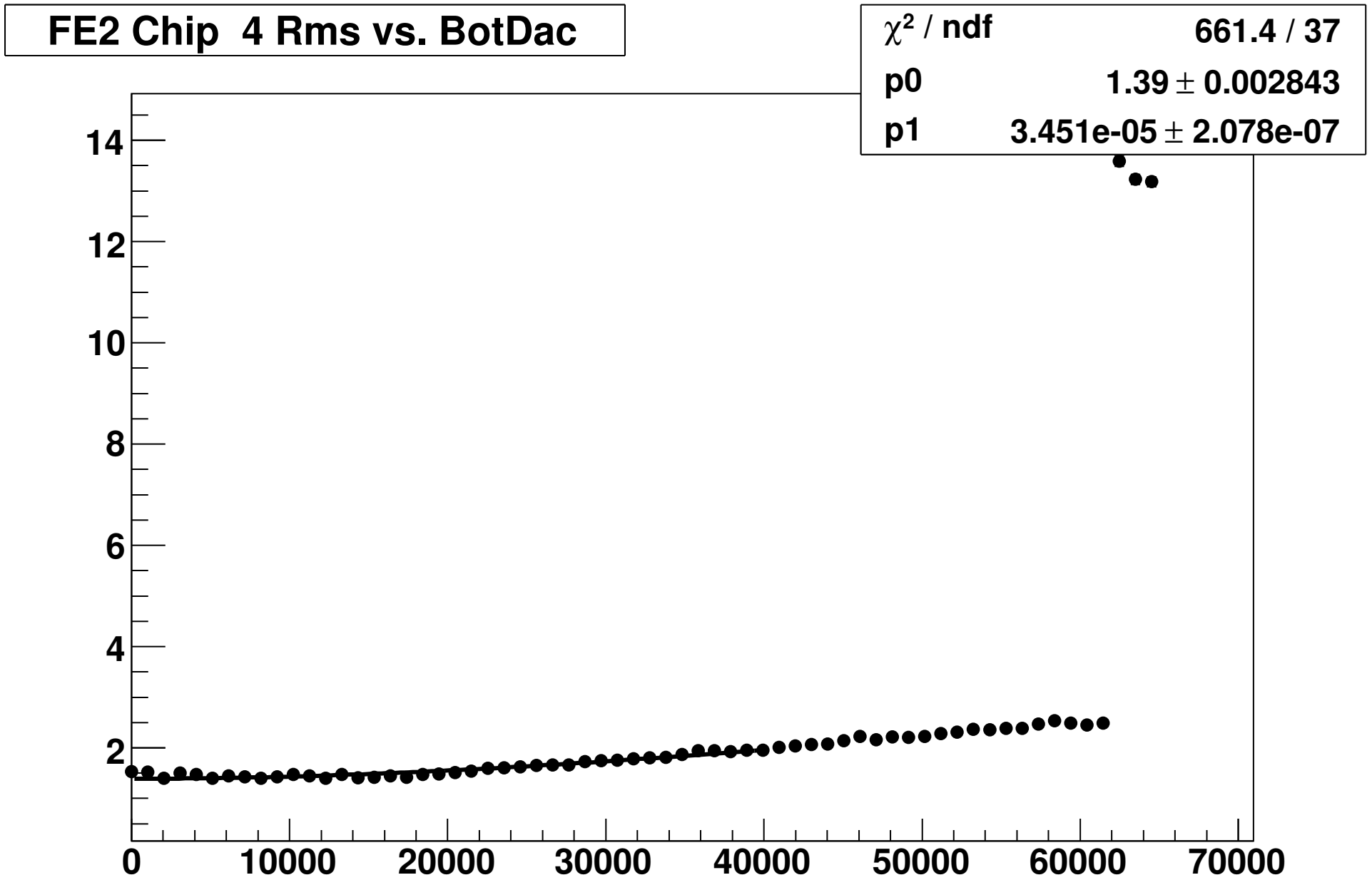
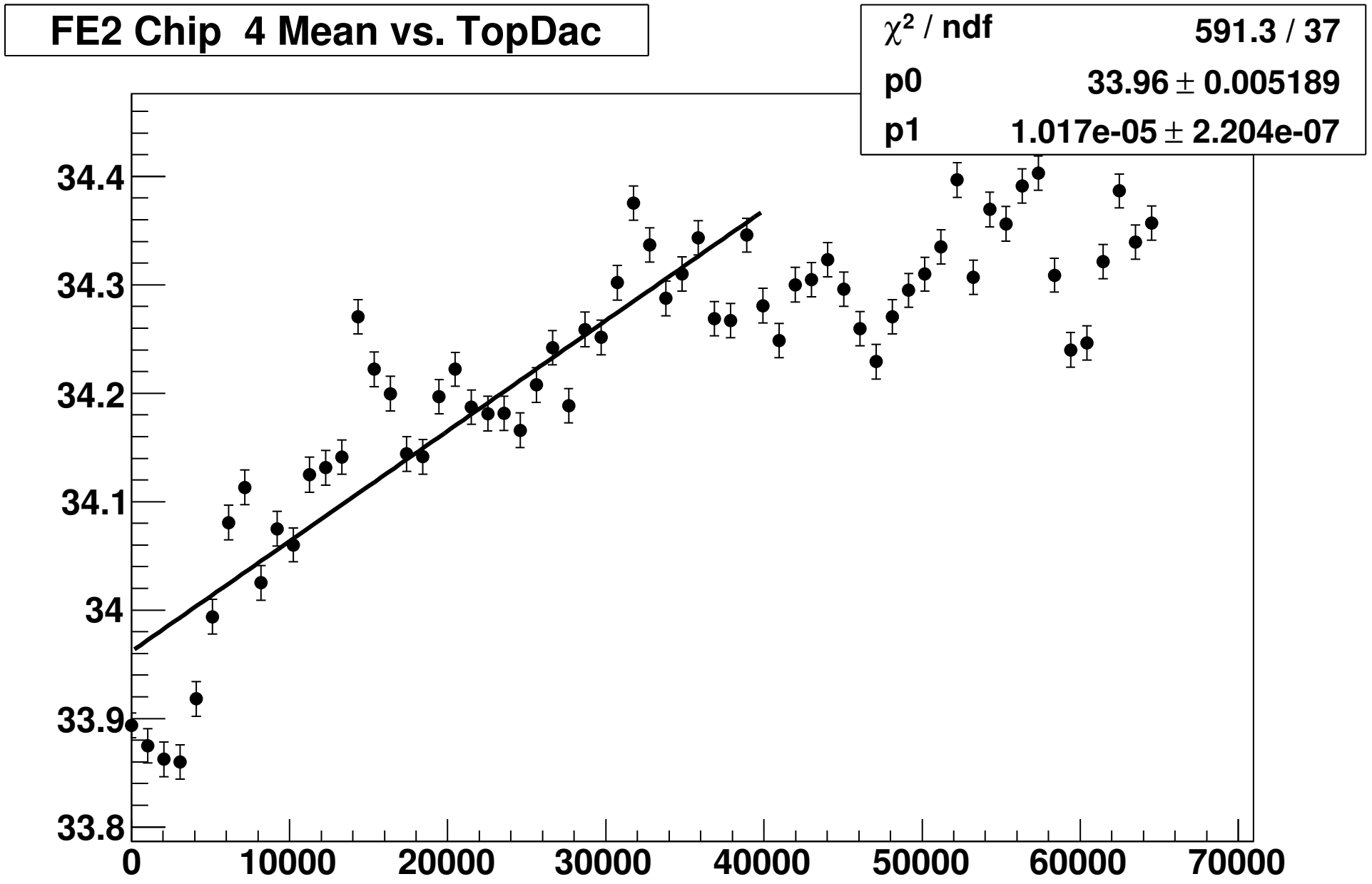
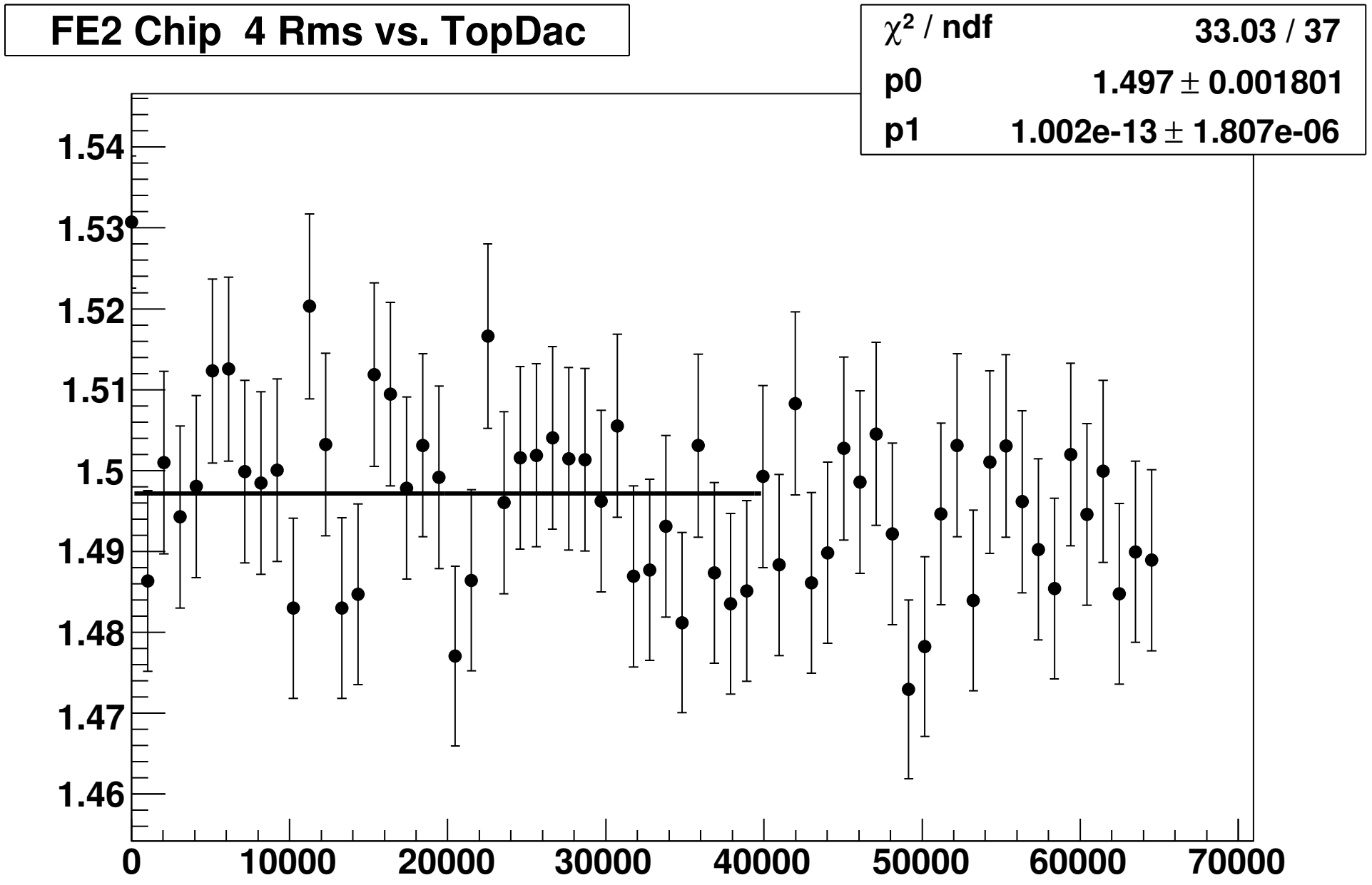
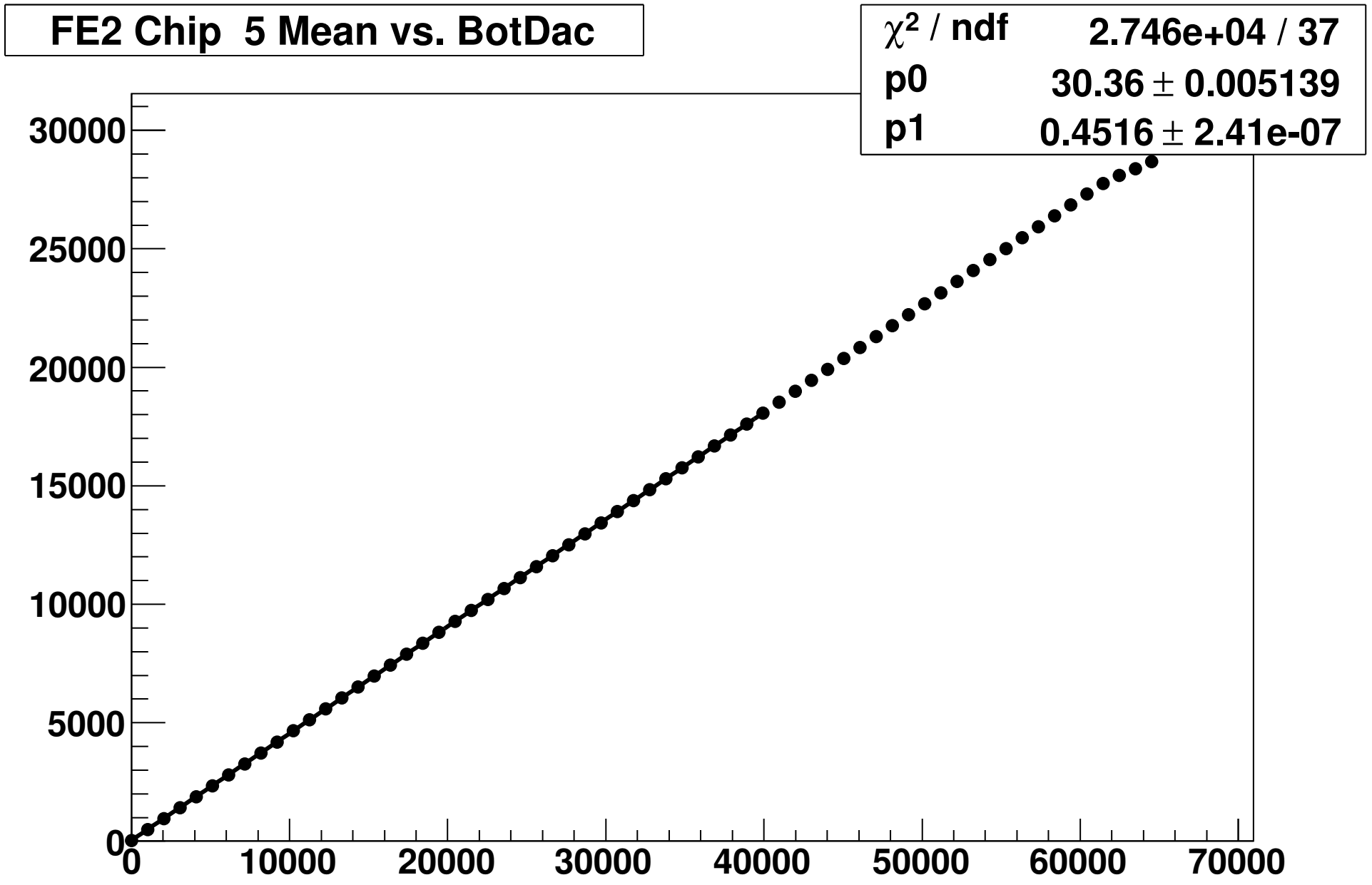

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 30.56 / 37
p0 1.483 ± 0.002708
p1 5.055e-06 ± 1.087e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

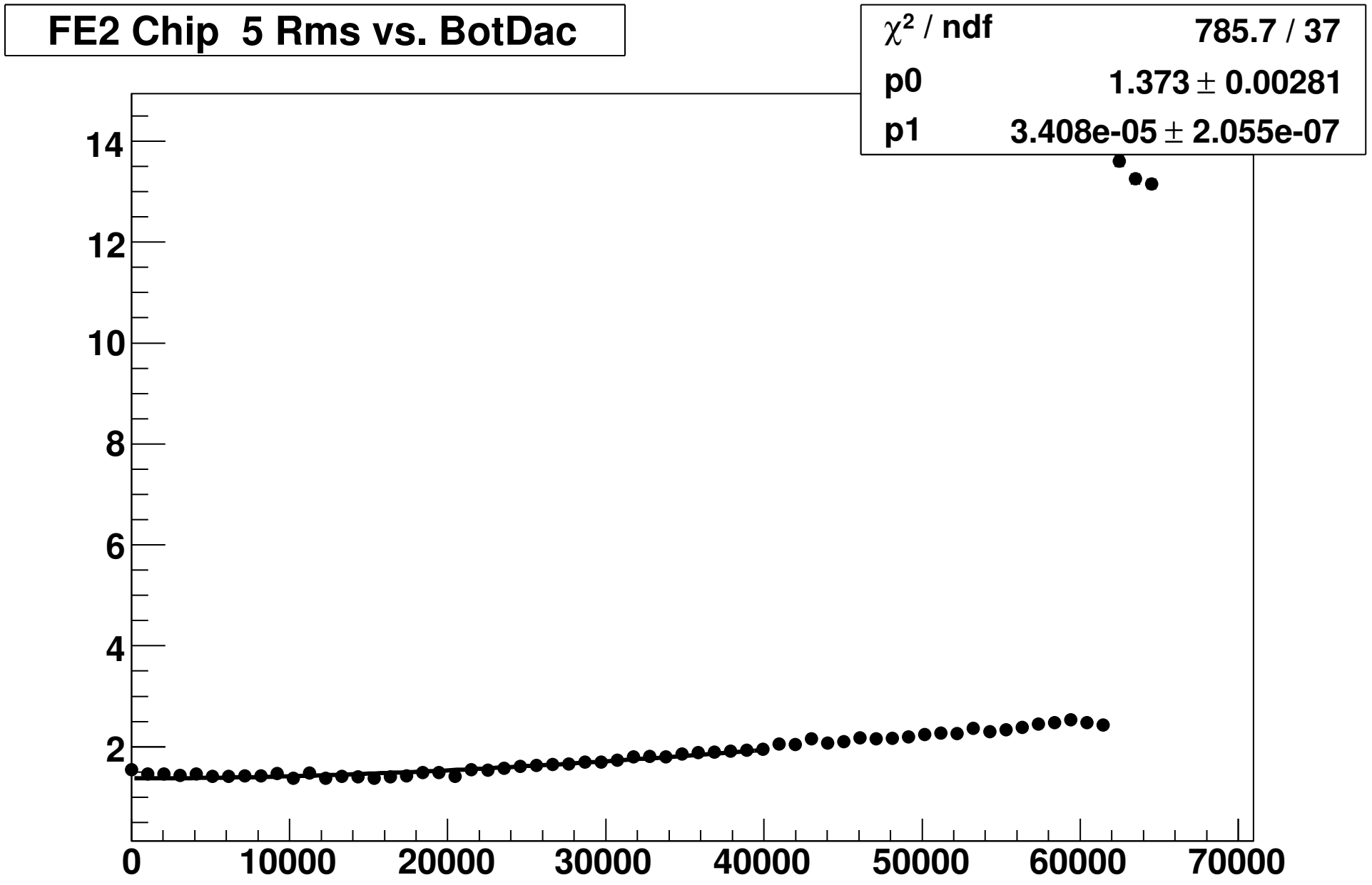

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 2.881e+04 / 37
p0 33.4 ± 0.005189
p1 0.4516 ± 2.434e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

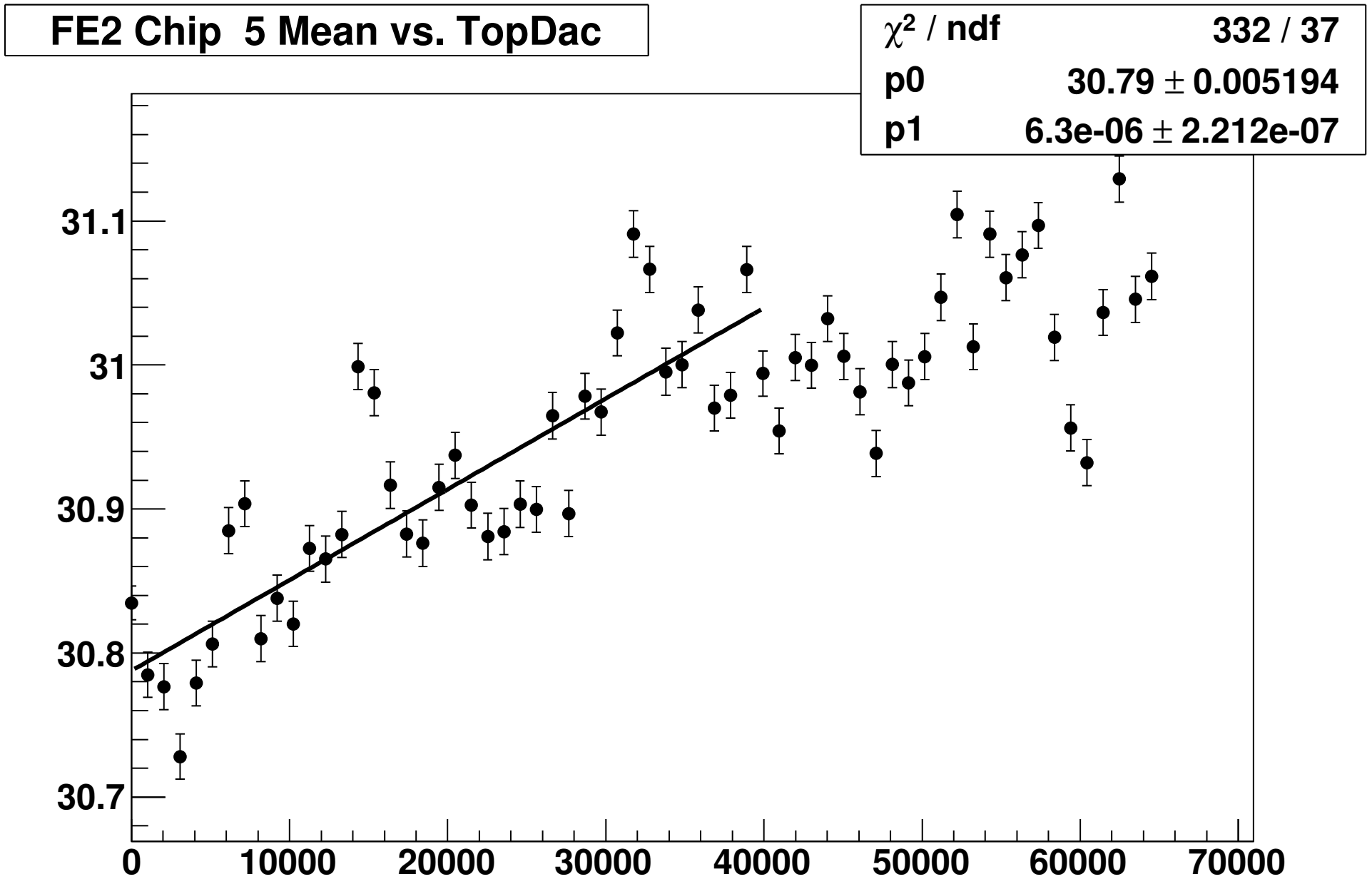

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 661.4 / 37
p0 1.39 ± 0.002843
p1 3.451e-05 ± 2.078e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

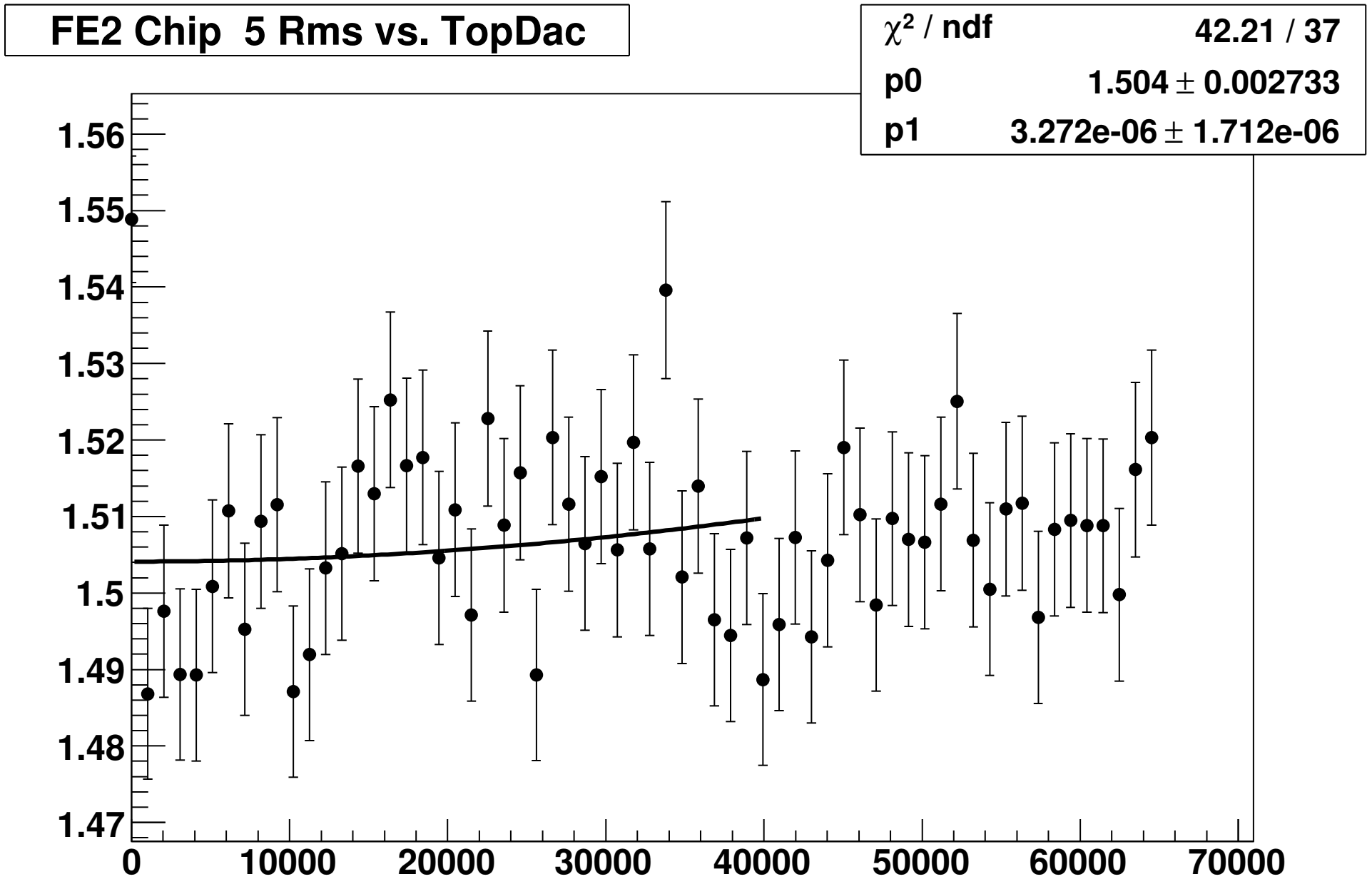

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 591.3 / 37
p0 33.96 ± 0.005189
p1 1.017e-05 ± 2.204e-07
34.4
34.3
34.2
34.1
34
33.9
33.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 33.03 / 37
p0 1.497 ± 0.001801
p1 1.002e-13 ± 1.807e-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


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 2.746e+04 / 37
p0 30.36 ± 0.005139
p1 0.4516 ± 2.41e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 785.7 / 37
p0 1.373 ± 0.00281
p1 3.408e-05 ± 2.055e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 332 / 37
p0 30.79 ± 0.005194
p1 6.3e-06 ± 2.212e-07
31.1
31
30.9
30.8
30.7
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 42.21 / 37
p0 1.504 ± 0.002733
p1 3.272e-06 ± 1.712e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
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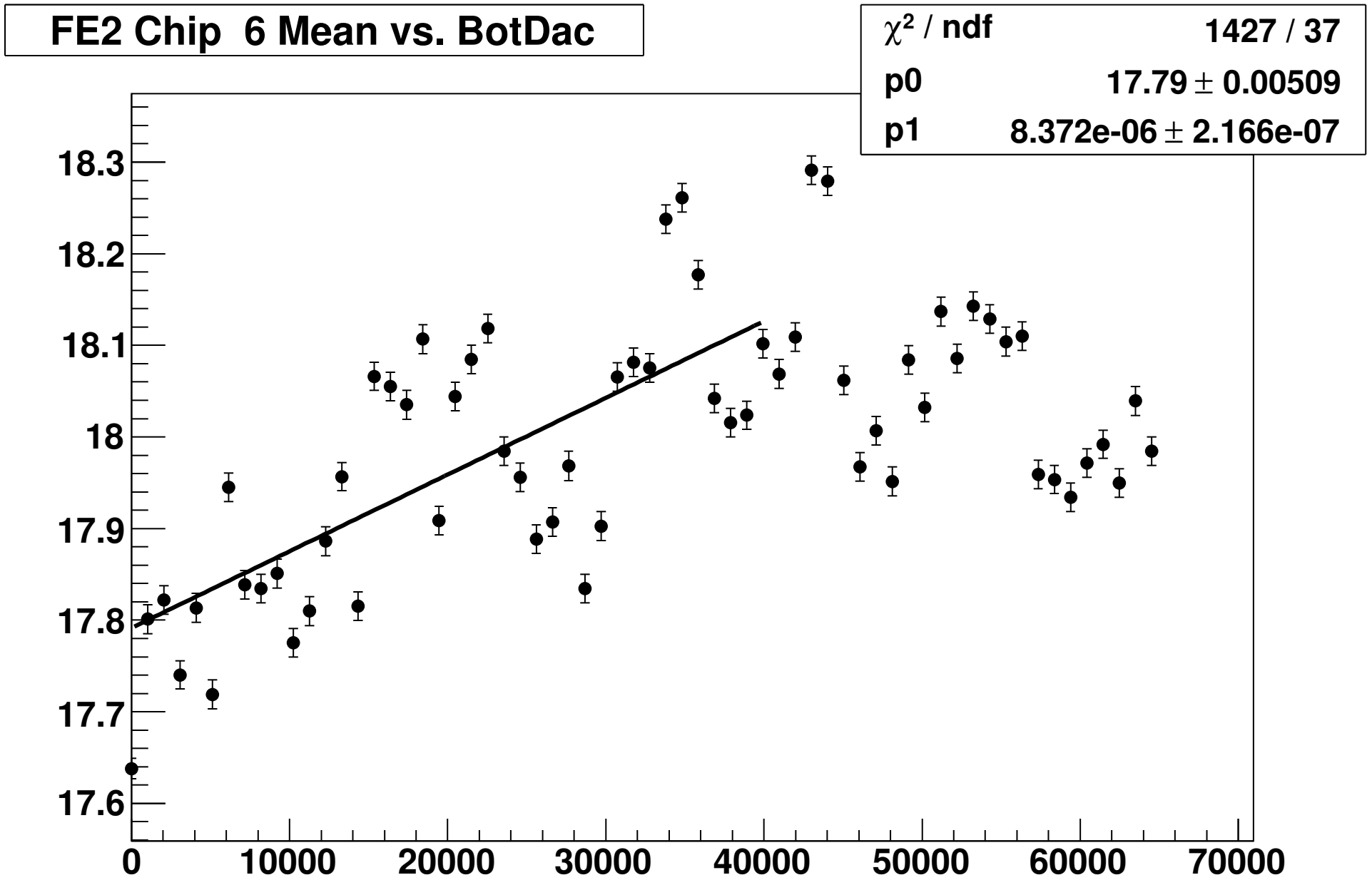
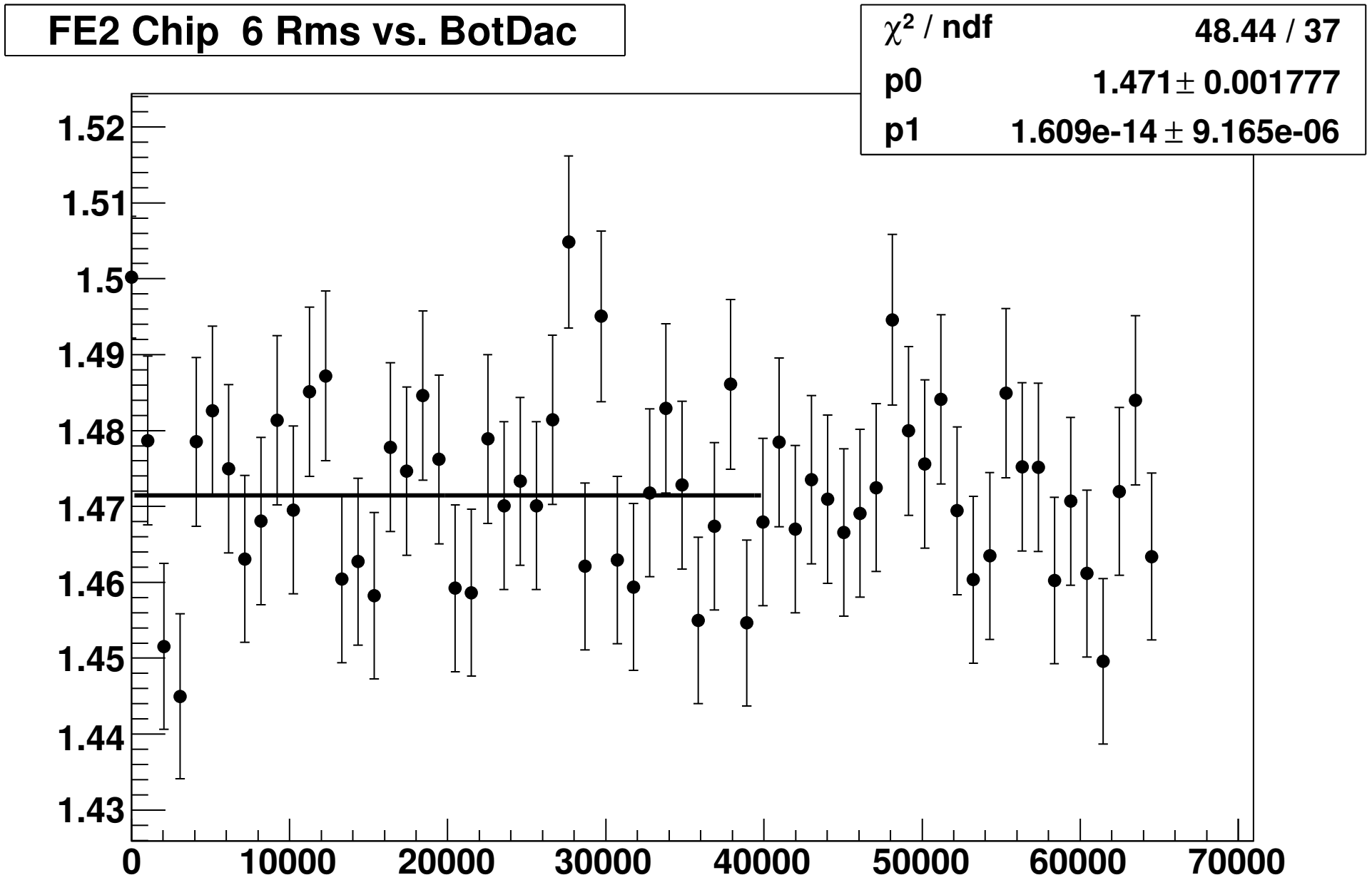
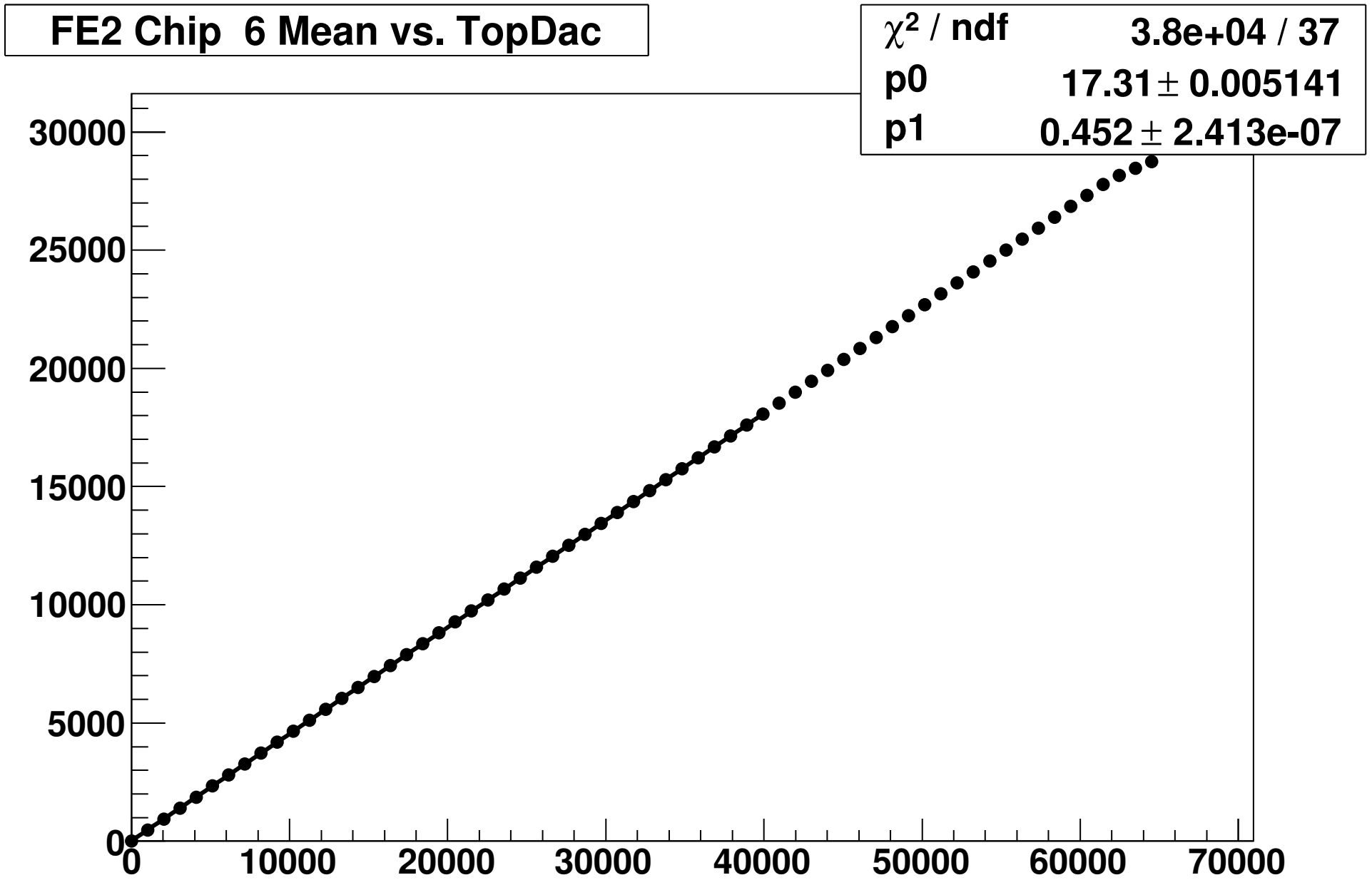
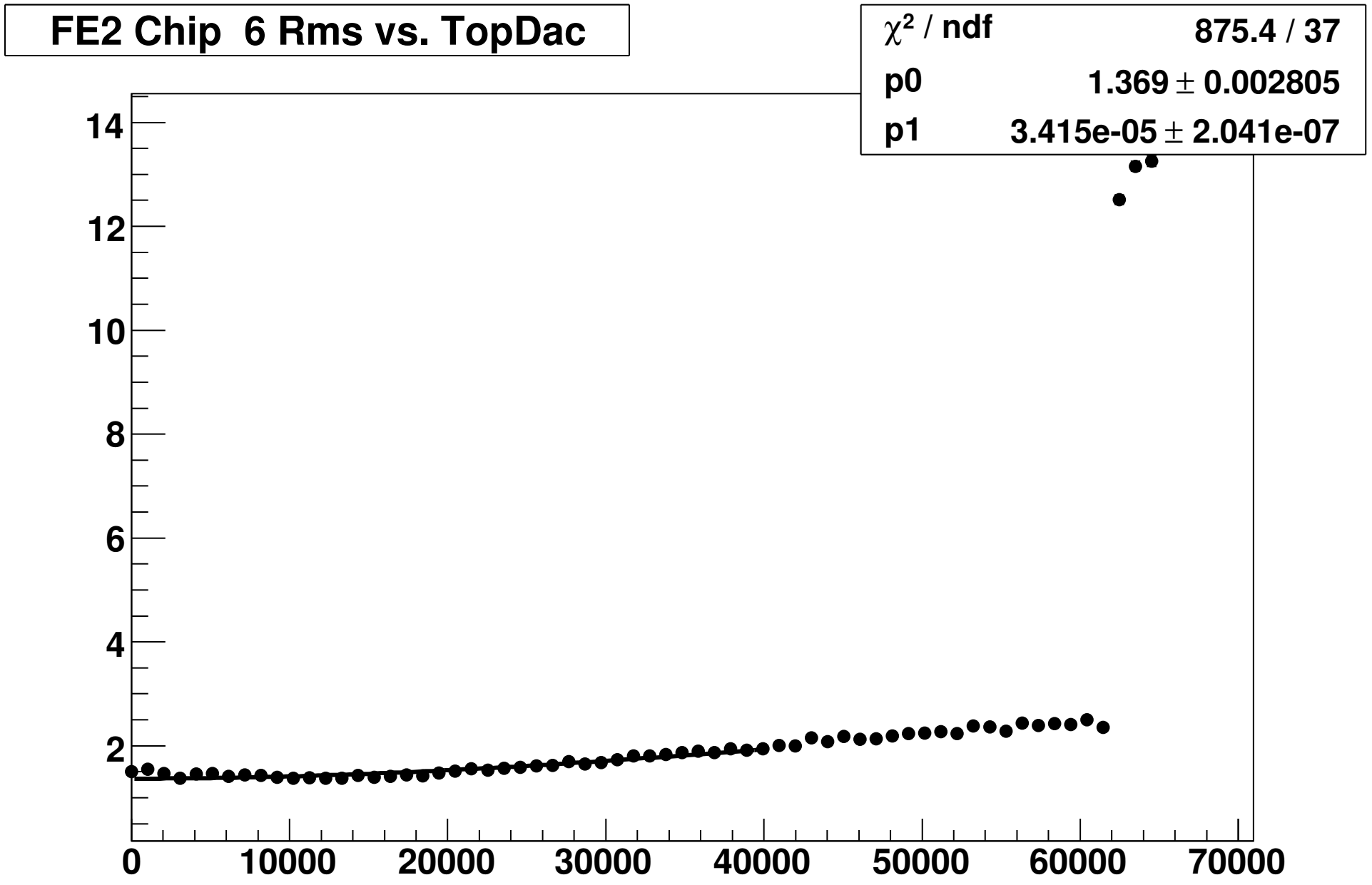
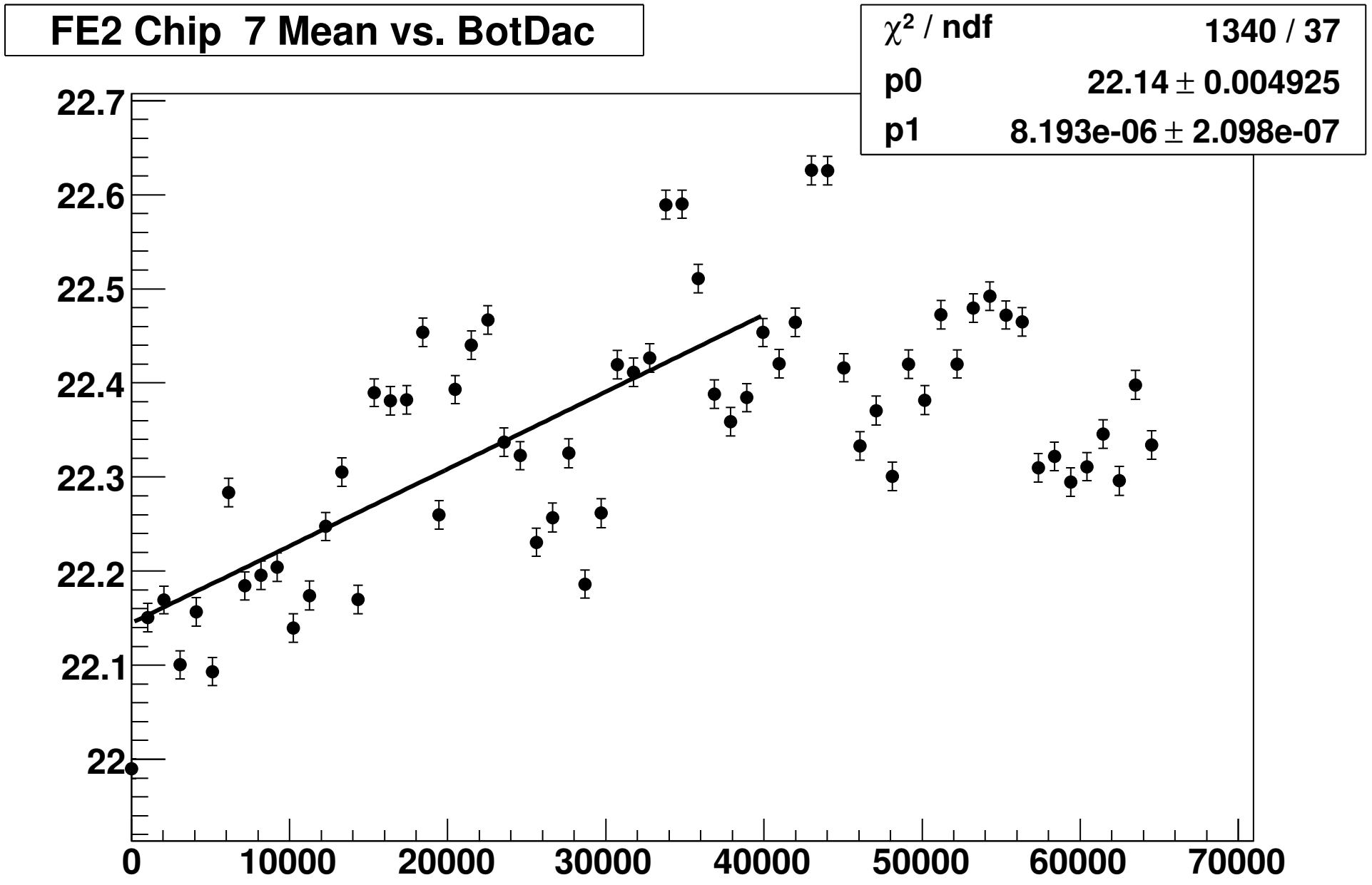
60000
70000

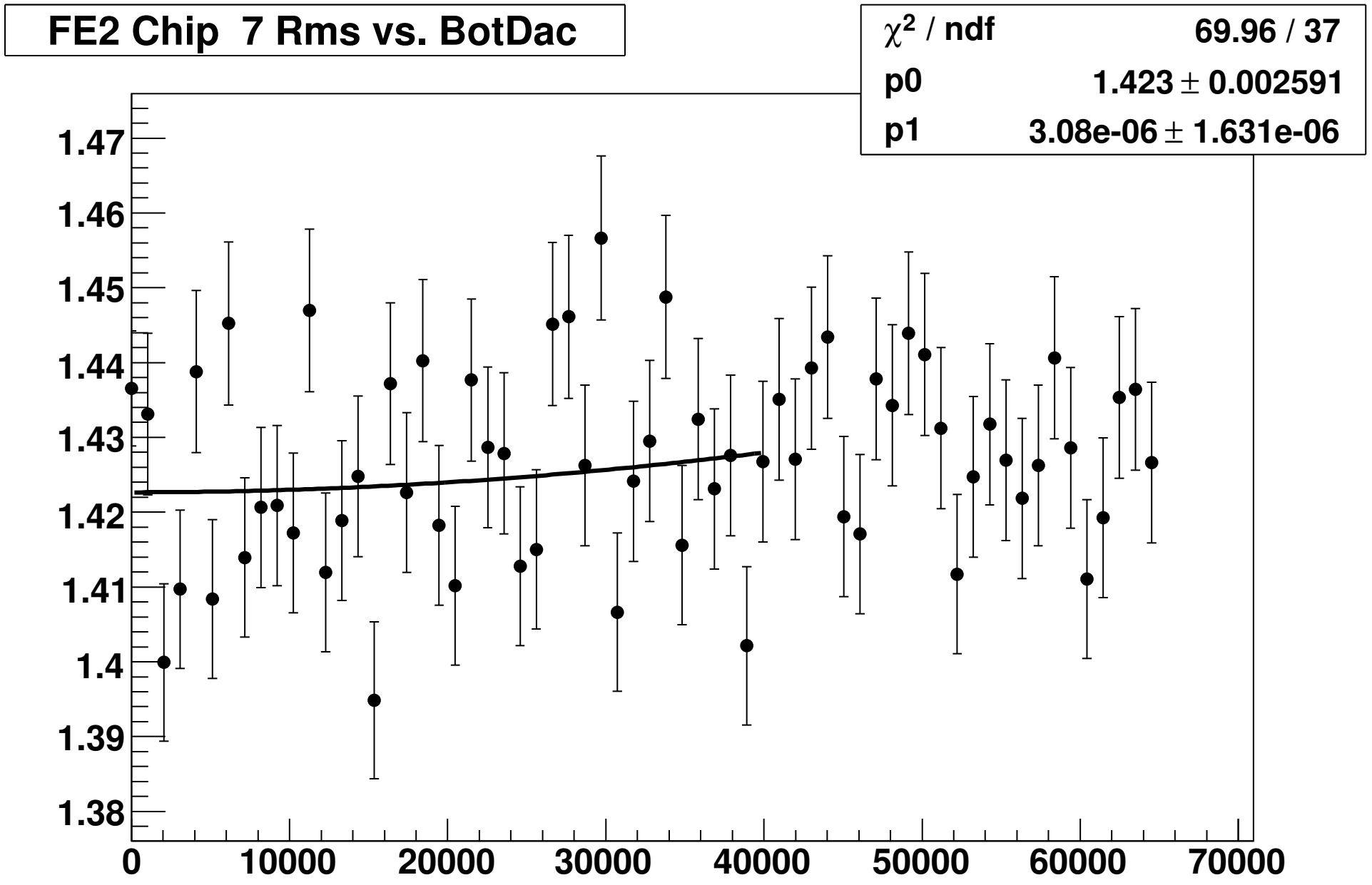

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 1427 / 37
p0 17.79 ± 0.00509
p1 8.372e-06 ± 2.166e-07
18.3
18.2
18.1
18
17.9
17.8
17.7
17.6
0
10000
20000
30000
40000
50000
60000
70000

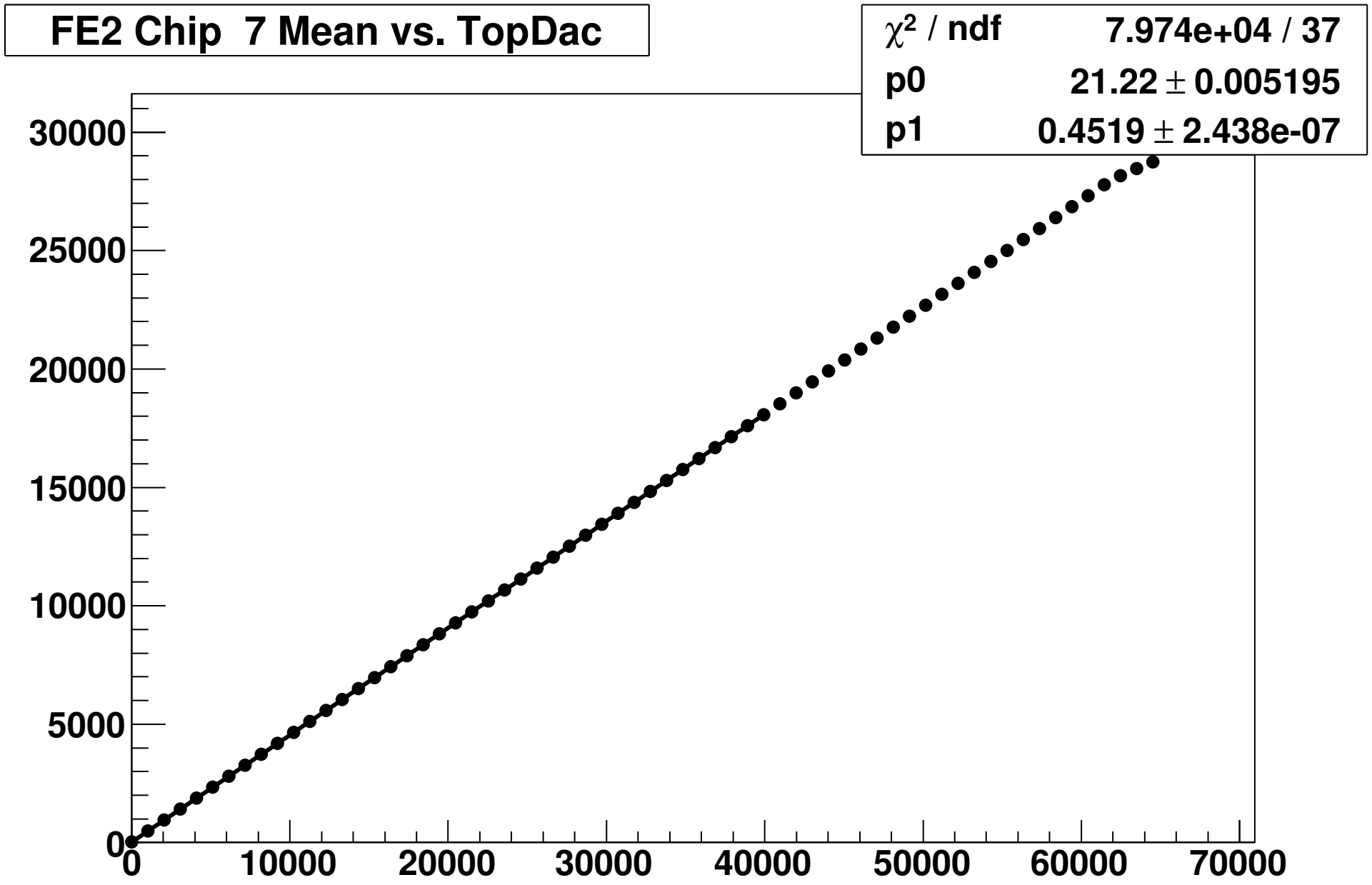

FE2 Chip 6 Rms vs. BotDac
χ² / ndf 48.44 / 37
p0 1.471 ± 0.001777
p1 1.609e-14 ± 9.165e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

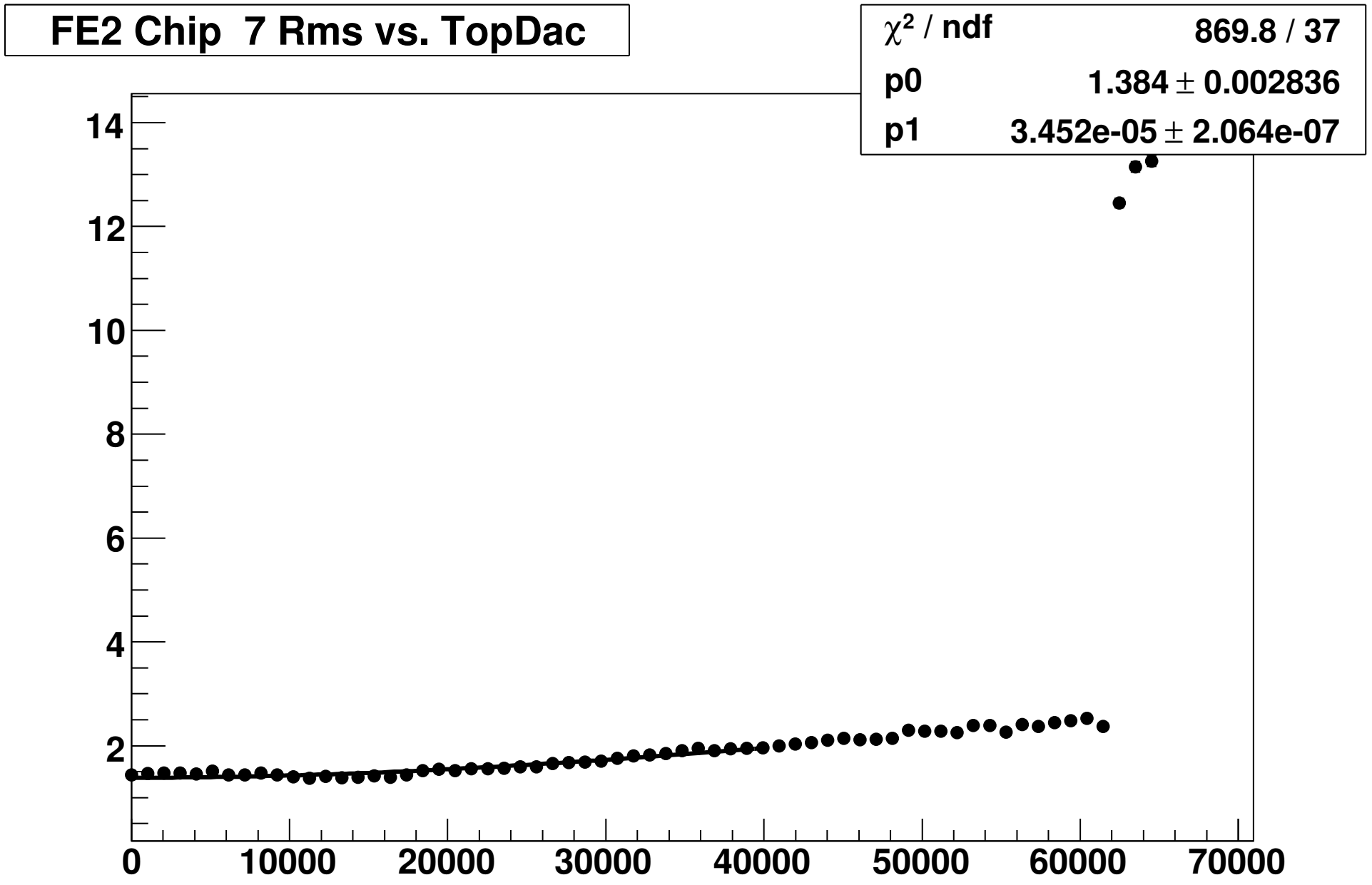

FE2 Chip 6 Mean vs. TopDac
χ² / ndf 3.8e+04 / 37
p0 17.31 ± 0.005141
p1 0.452 ± 2.413e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

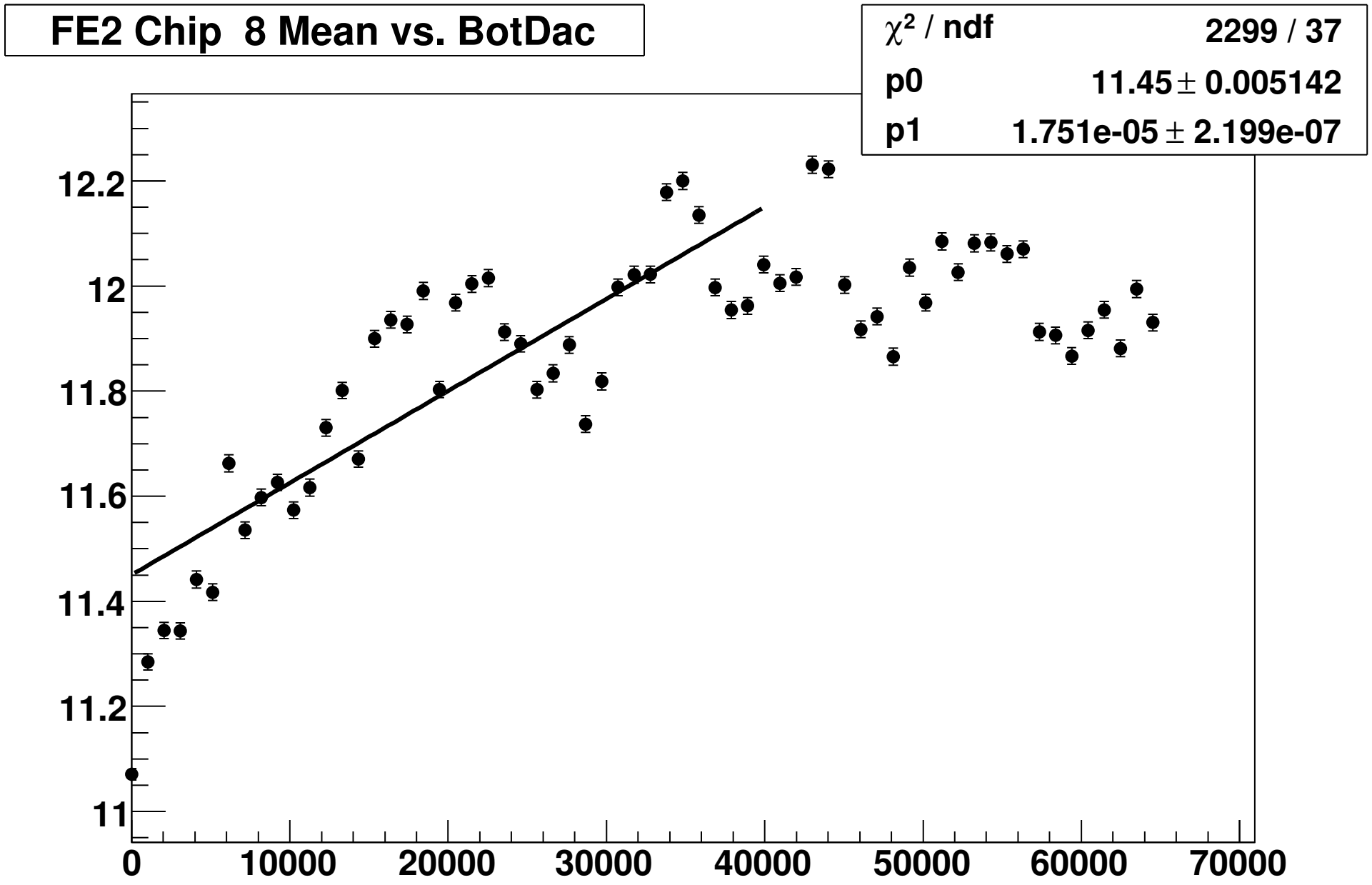

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 875.4 / 37
p0 1.369 ± 0.002805
p1 3.415e-05 ± 2.041e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

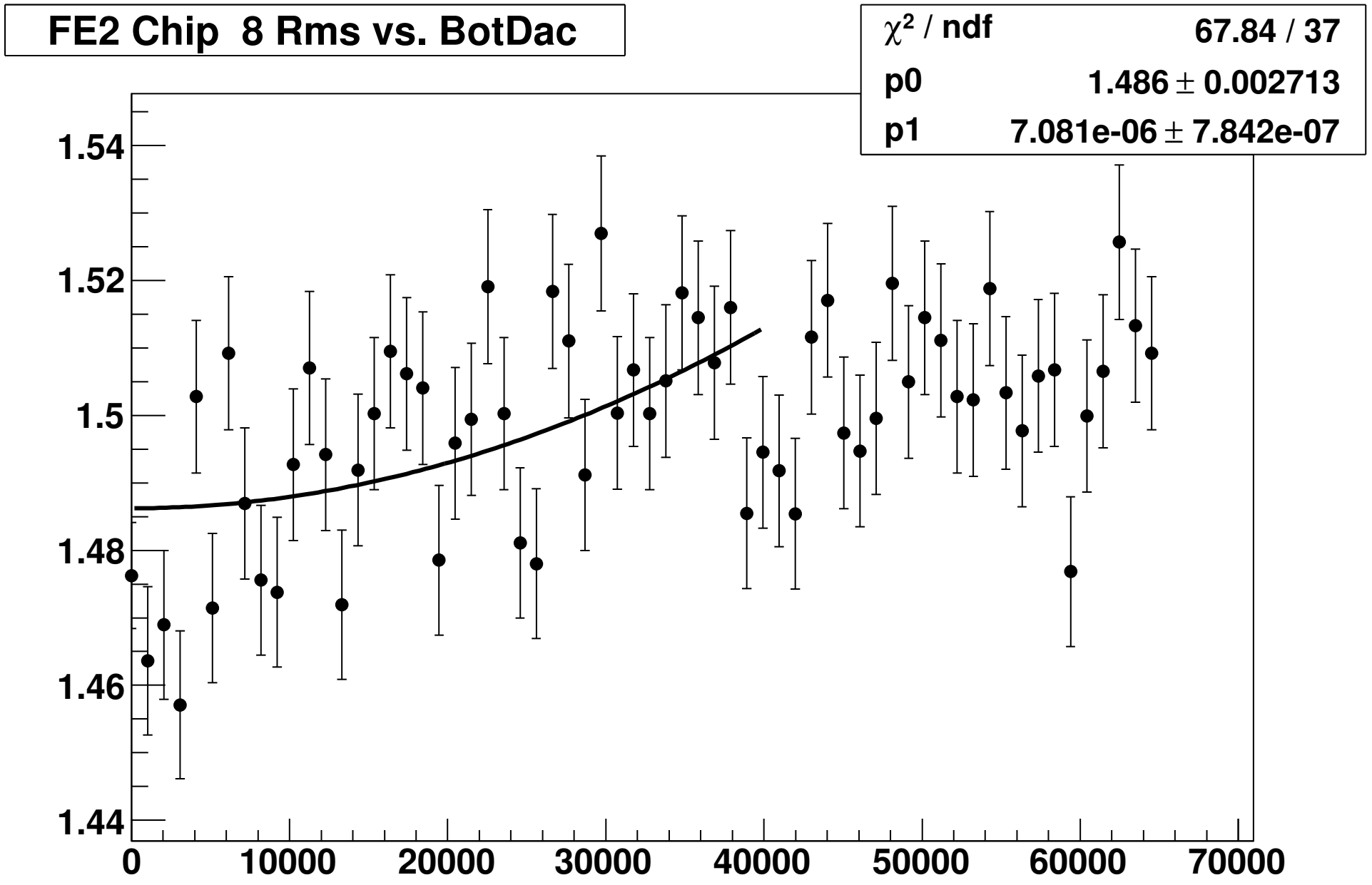

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 1340 / 37
p0 22.14 ± 0.004925
p1 8.193e-06 ± 2.098e-07
22.7
22.6
22.5
22.4
22.3
22.2
22.1
22
0
10000
20000
30000
40000
50000
60000
70000

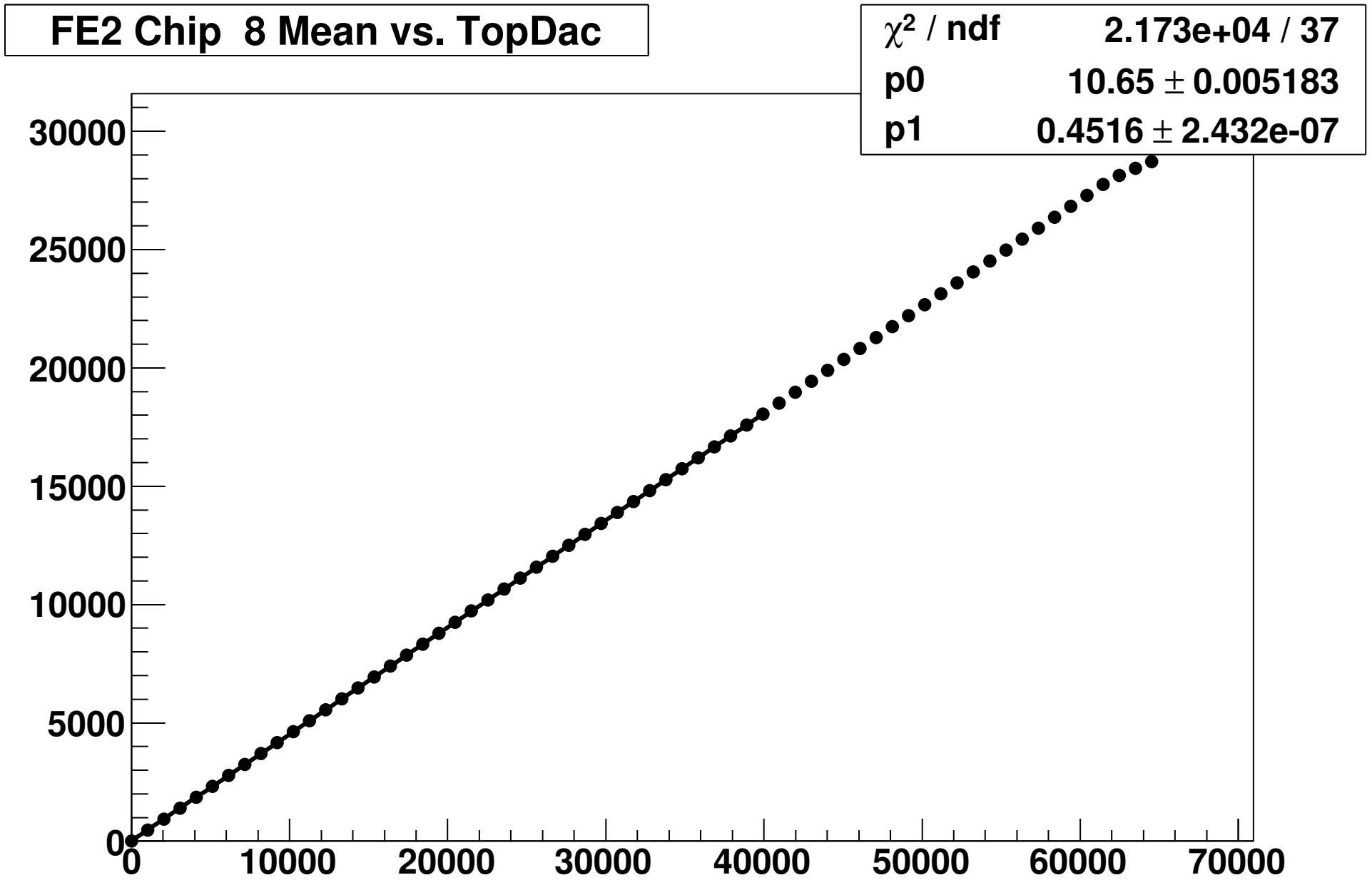

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 69.96 / 37
p0 1.423 ± 0.002591
p1 3.08e-06 ± 1.631e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000
70000

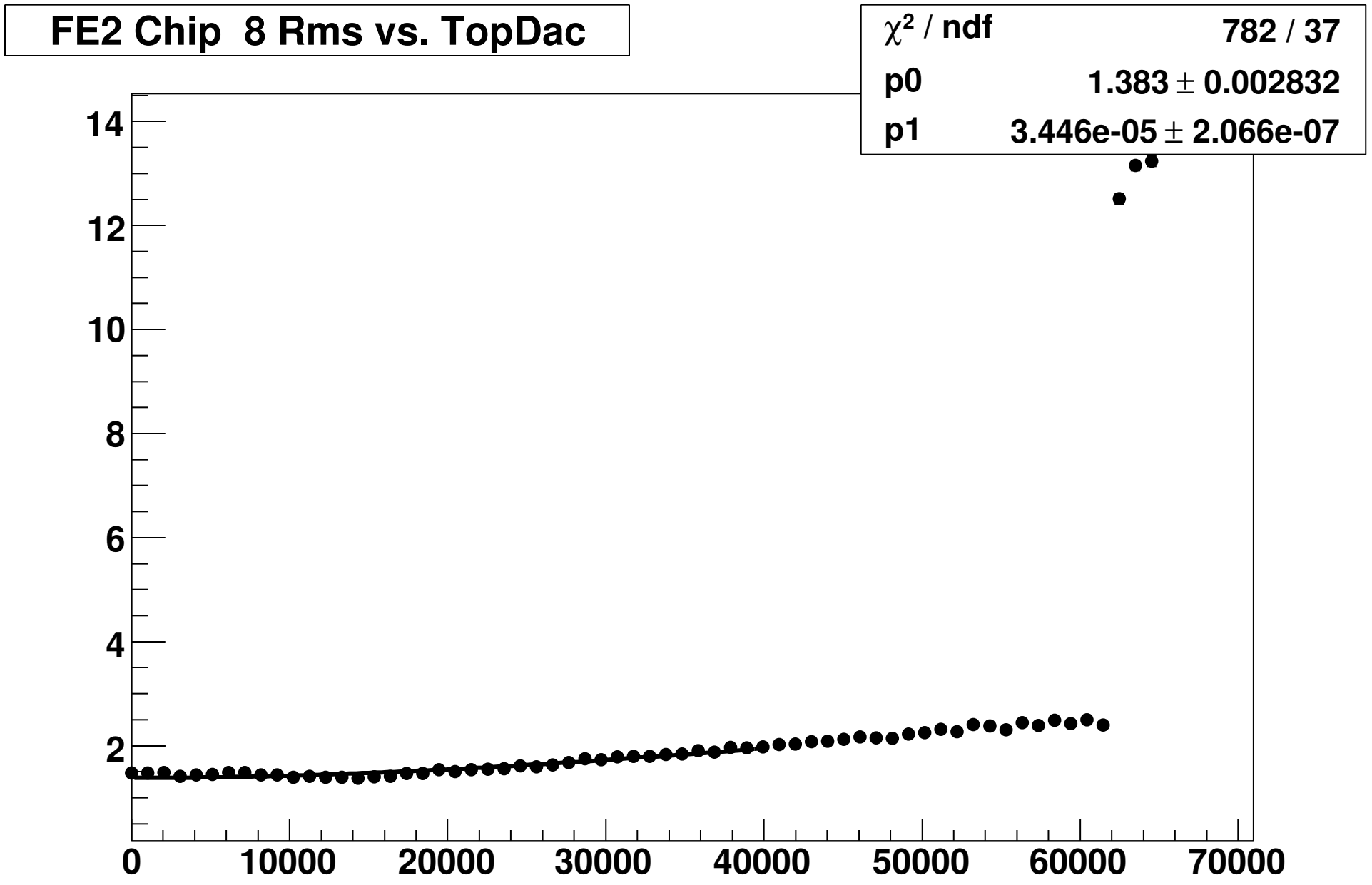

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 7.974e+04 / 37
p0 21.22 ± 0.005195
p1 0.4519 ± 2.438e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 869.8 / 37
p0 1.384 ± 0.002836
p1 3.452e-05 ± 2.064e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 2299 / 37
p0 11.45 ± 0.005142
p1 1.751e-05 ± 2.199e-07
12.2
12
11.8
11.6
11.4
11.2
11
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 67.84 / 37
p0 1.486 ± 0.002713
p1 7.081e-06 ± 7.842e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 2.173e+04 / 37
p0 10.65 ± 0.005183
p1 0.4516 ± 2.432e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 782 / 37
p0 1.383 ± 0.002832
p1 3.446e-05 ± 2.066e-07
14
12
10
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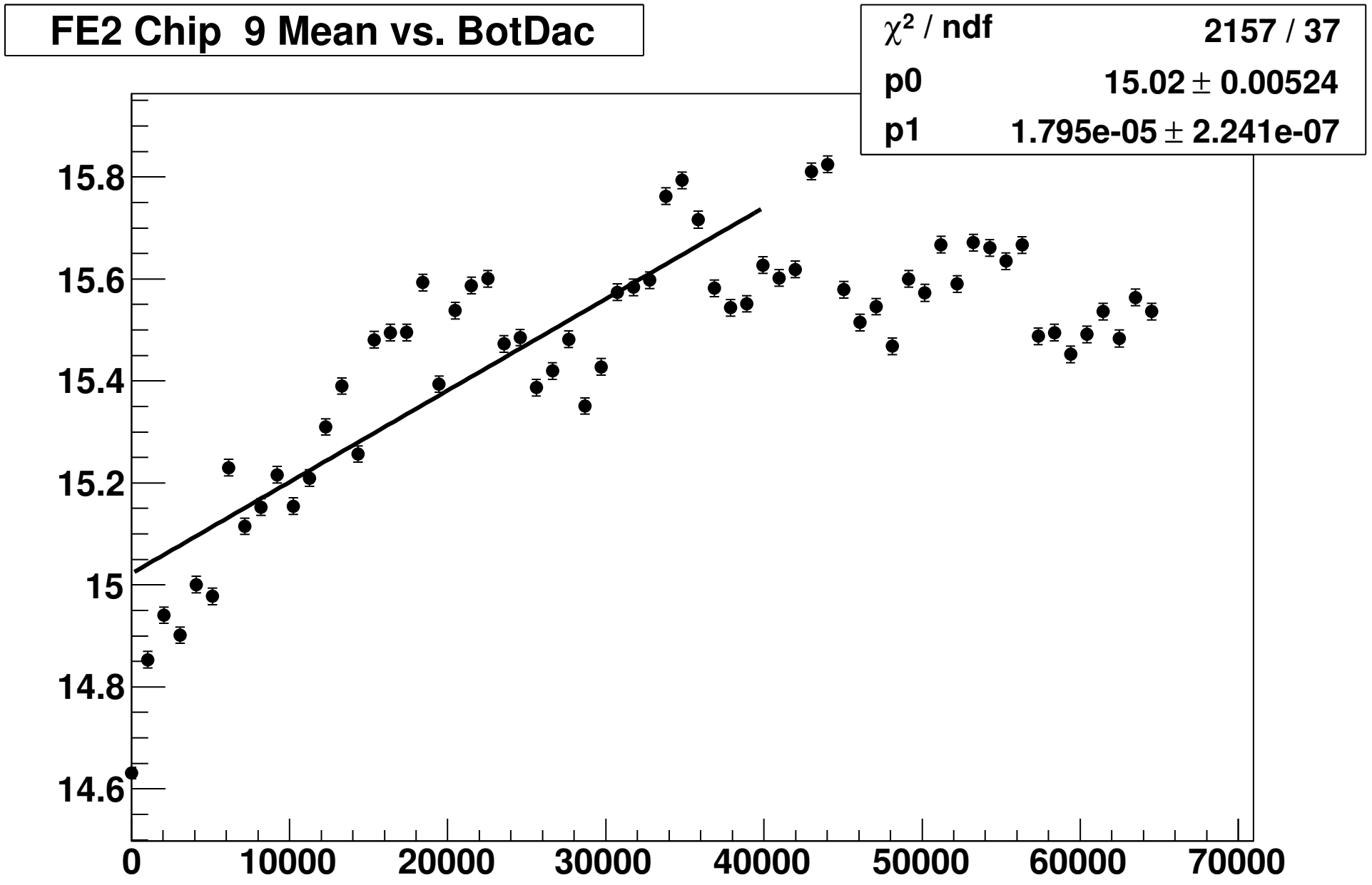
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 2157 / 37
p0 15.02 ± 0.00524
p1 1.795e-05 ± 2.241e-07
15.8
15.6
15.4
15.2
15
14.8
14.6
0
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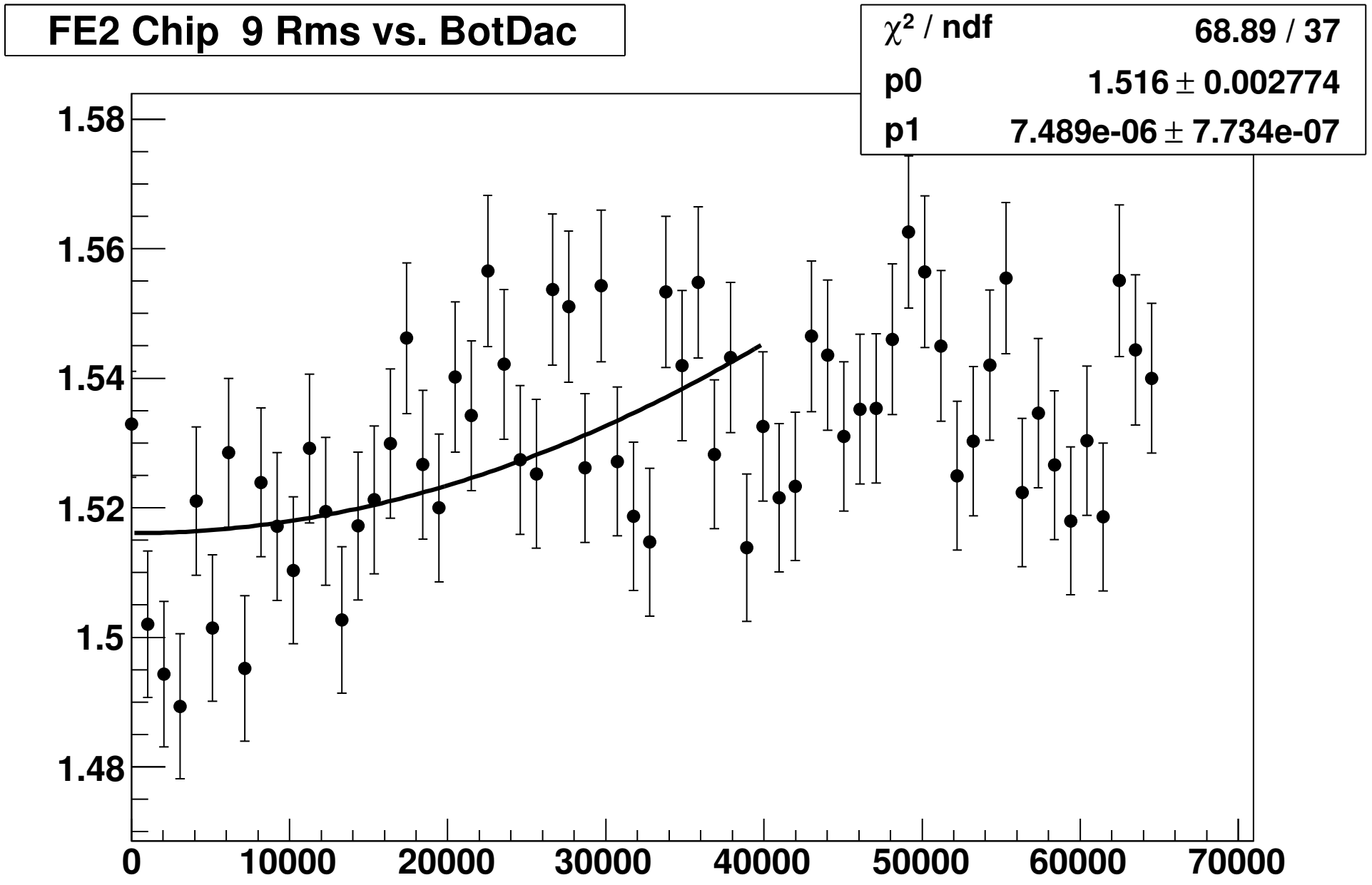
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 68.89 / 37
p0 1.516 ± 0.002774
p1 7.489e-06 ± 7.734e-07
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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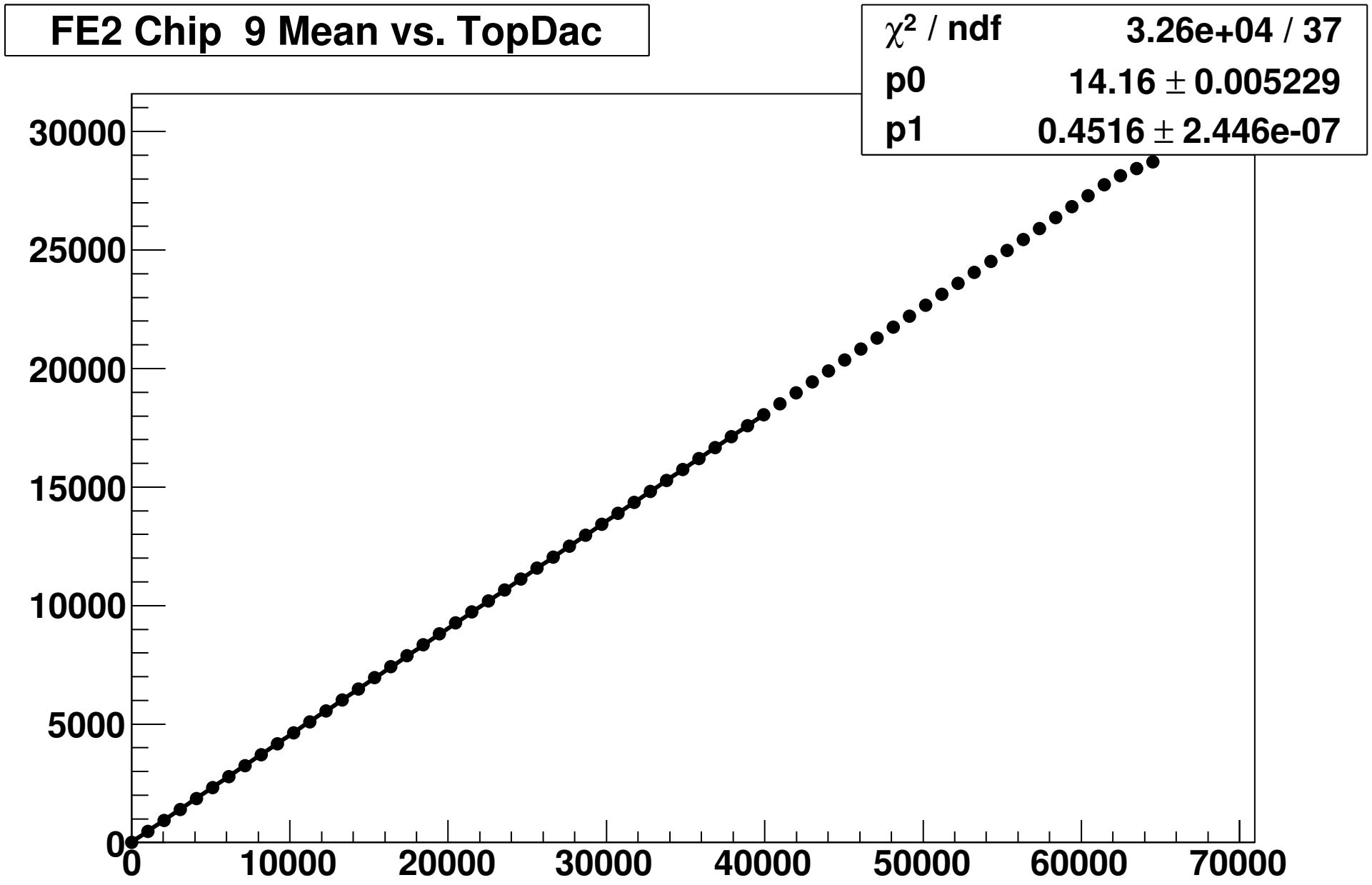
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 3.26e+04 / 37
p0 14.16 ± 0.005229
p1 0.4516 ± 2.446e-07
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25000
20000
15000
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5000
0
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20000
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40000
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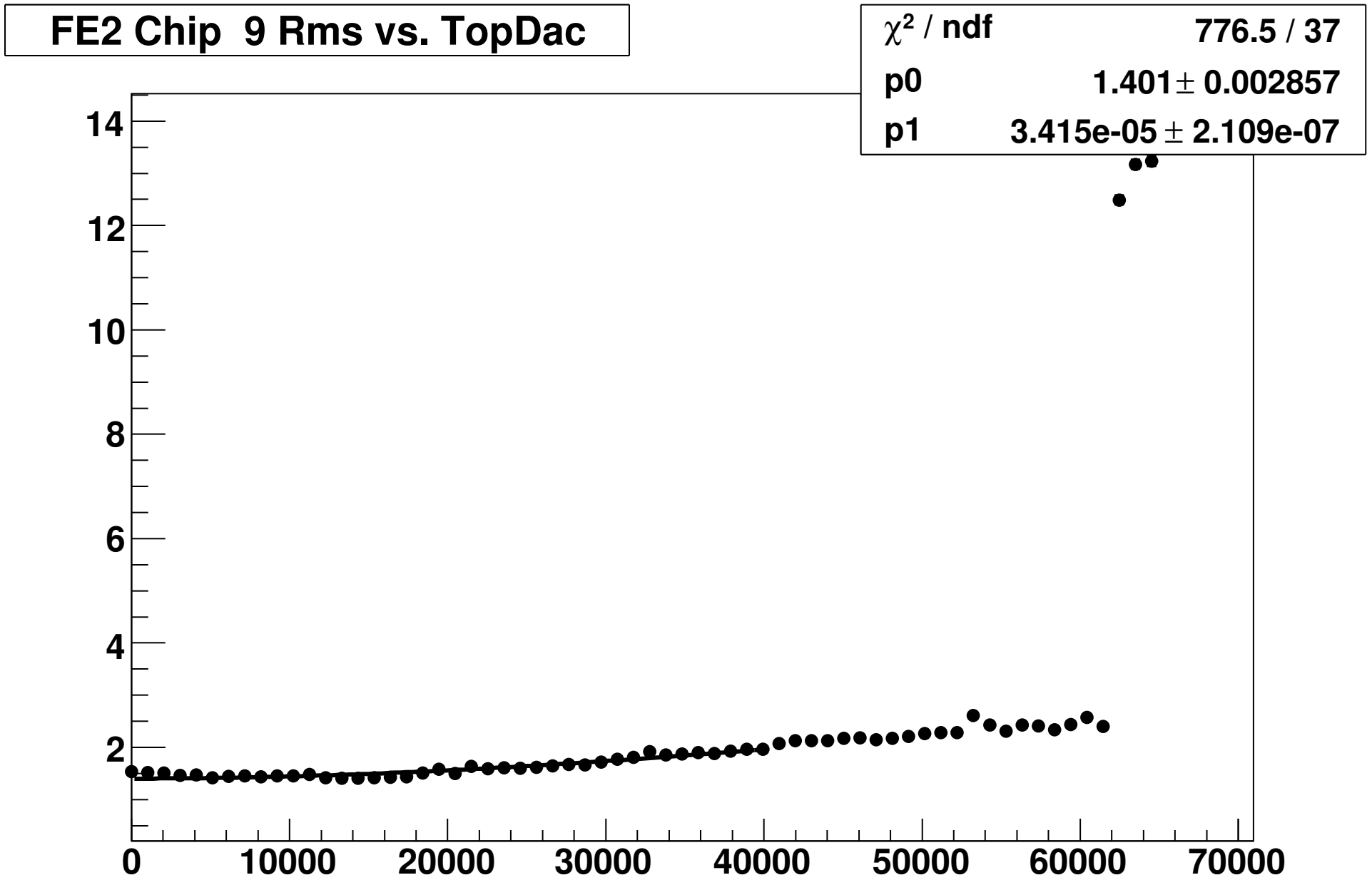
FE2 Chip 9 Rms vs. TopDac
χ² / ndf 776.5 / 37
p0 1.401 ± 0.002857
p1 3.415e-05 ± 2.109e-07
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12
10
8
6
4
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20000
30000
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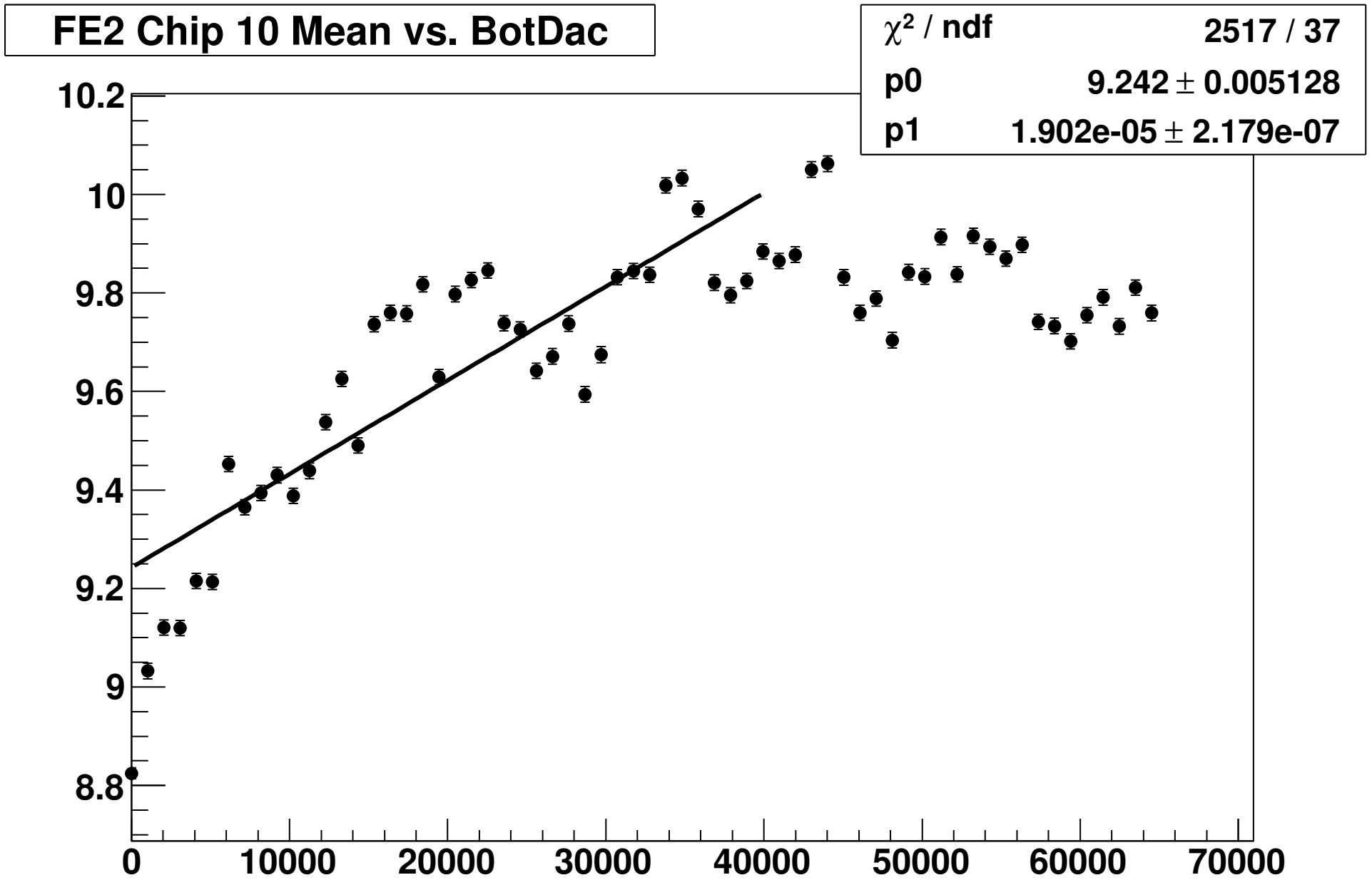
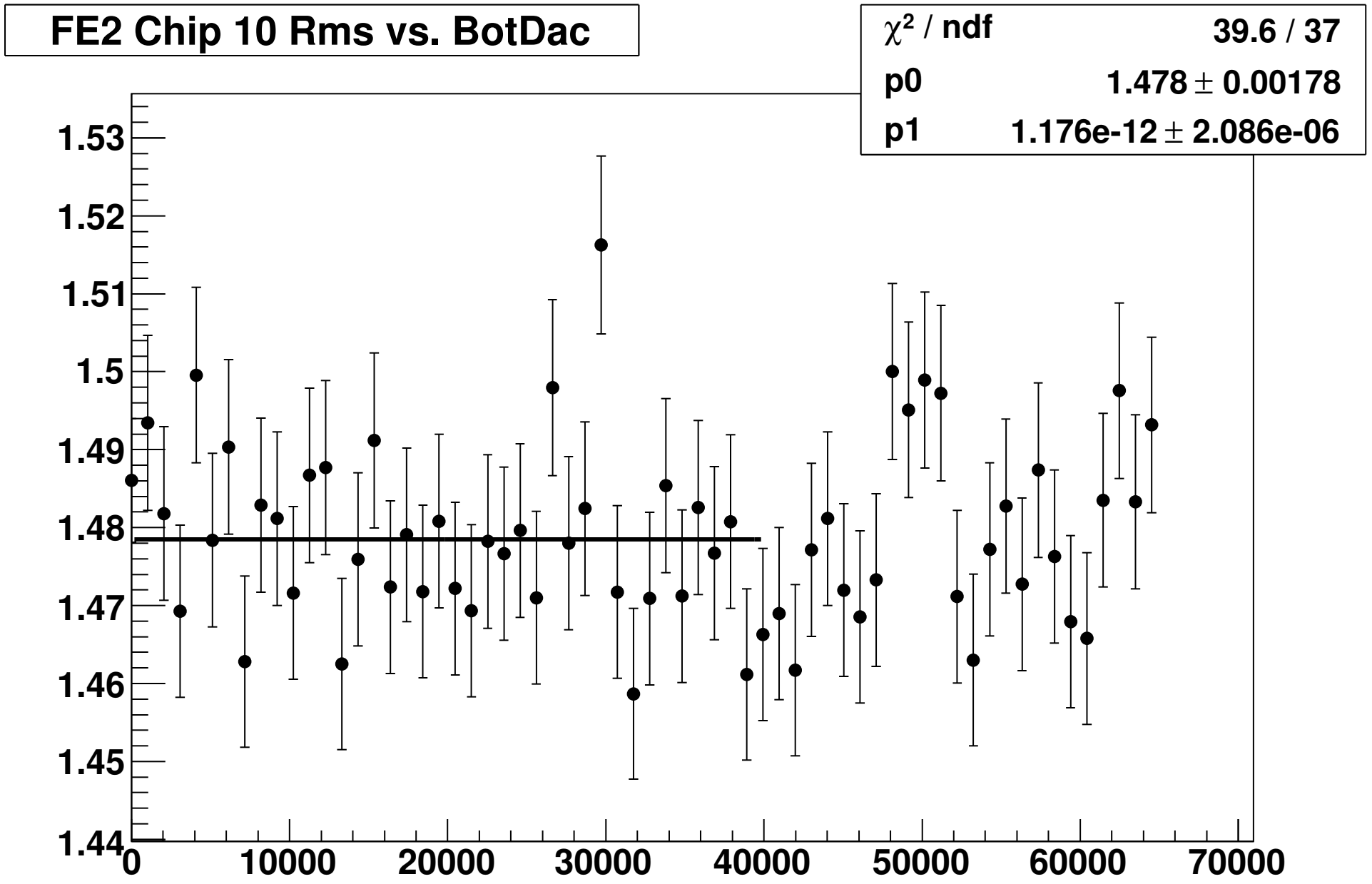

FE2 Chip 10 Mean vs. BotDac
χ² / ndf 2517 / 37
p0 9.242 ± 0.005128
p1 1.902e-05 ± 2.179e-07
10.2
10
9.8
9.6
9.4
9.2
9
8.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 39.6 / 37
p0 1.478 ± 0.00178
p1 1.176e-12 ± 2.086e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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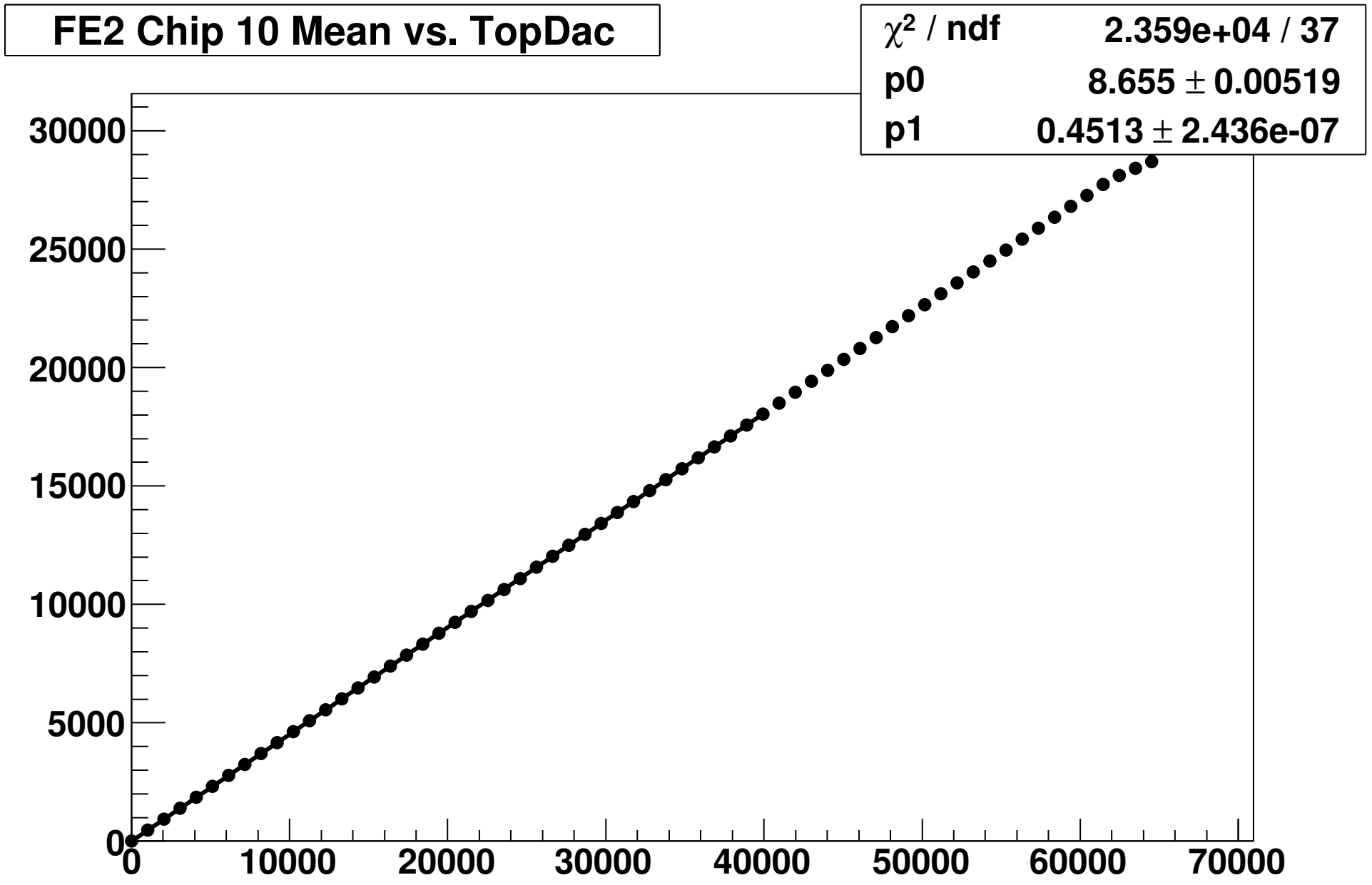
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 2.359e+04 / 37
p0 8.655 ± 0.00519
p1 0.4513 ± 2.436e-07
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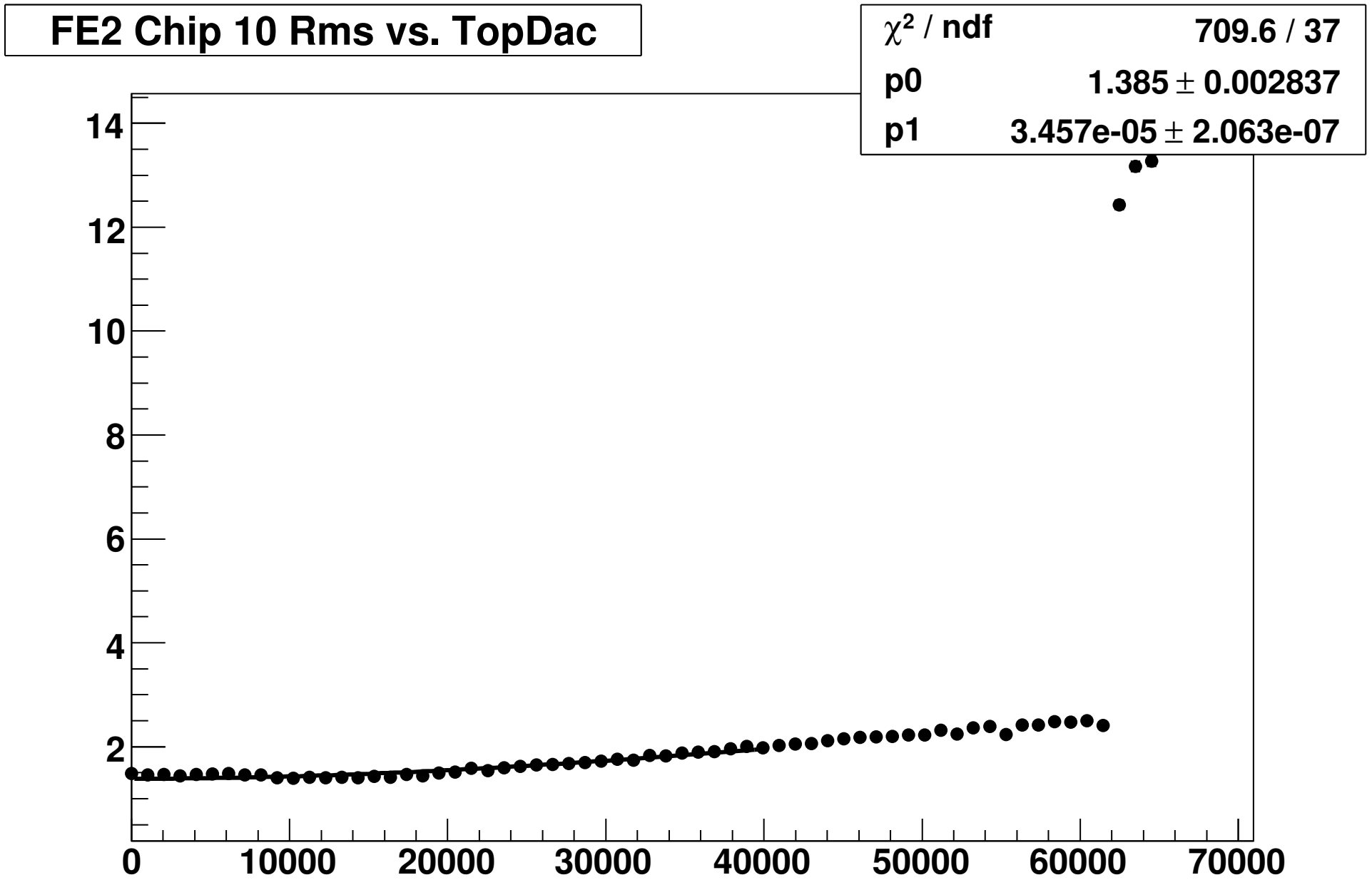
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 709.6 / 37
p0 1.385 ± 0.002837
p1 3.457e-05 ± 2.063e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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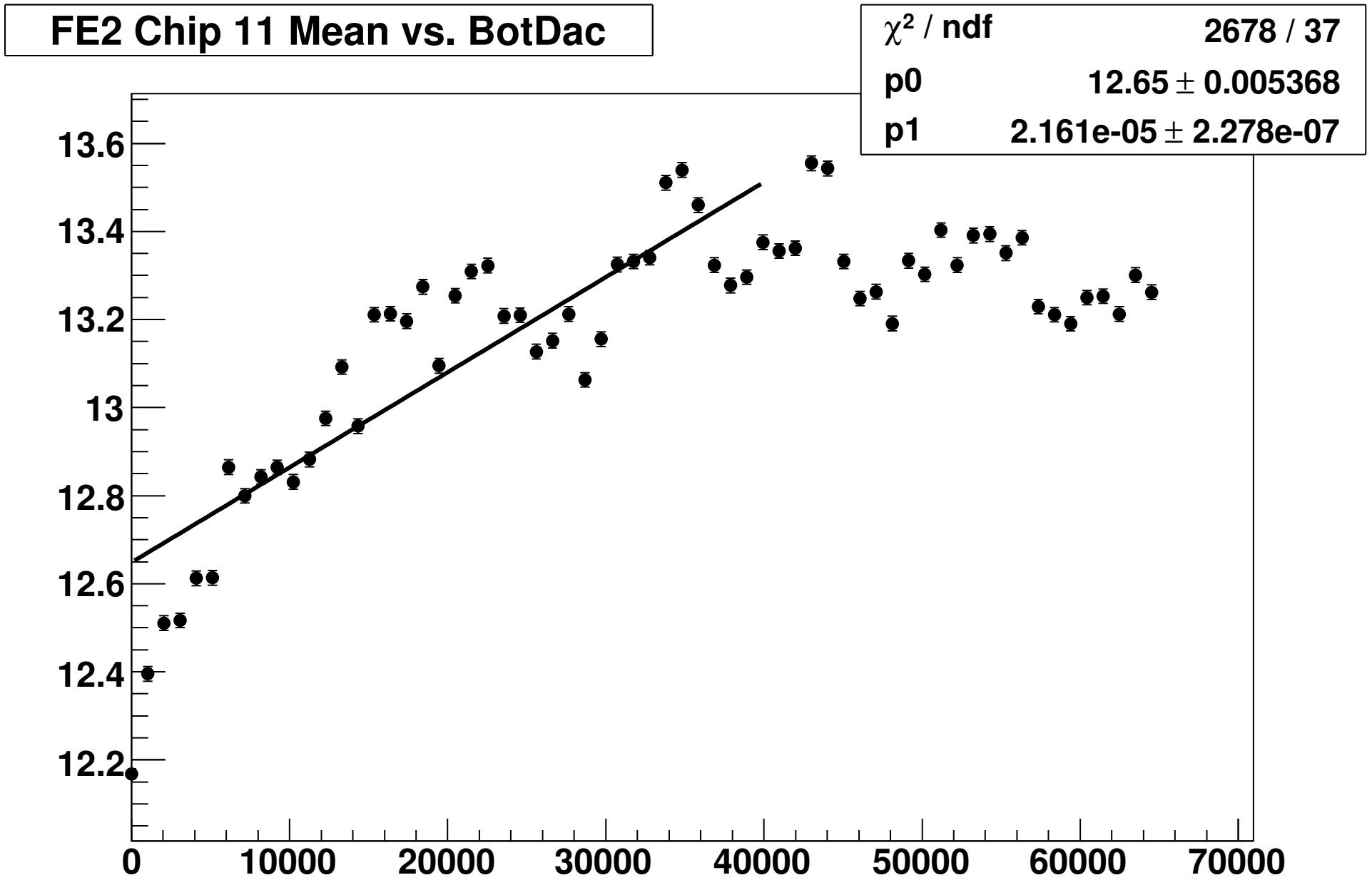
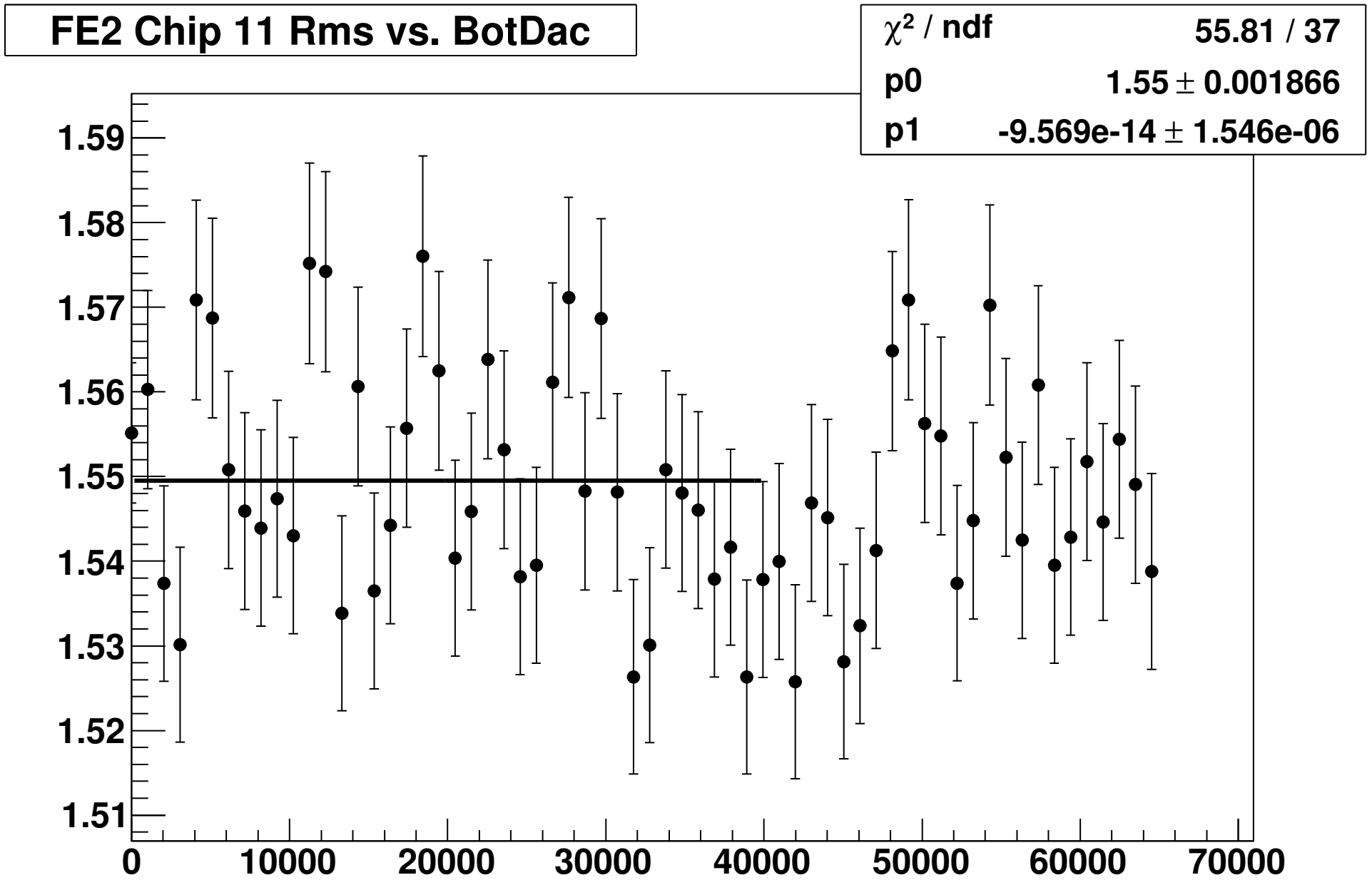

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 2678 / 37
p0 12.65 ± 0.005368
p1 2.161e-05 ± 2.278e-07
13.6
13.4
13.2
13
12.8
12.6
12.4
12.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 55.81 / 37
p0 1.55 ± 0.001866
p1 -9.569e-14 ± 1.546e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
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50000
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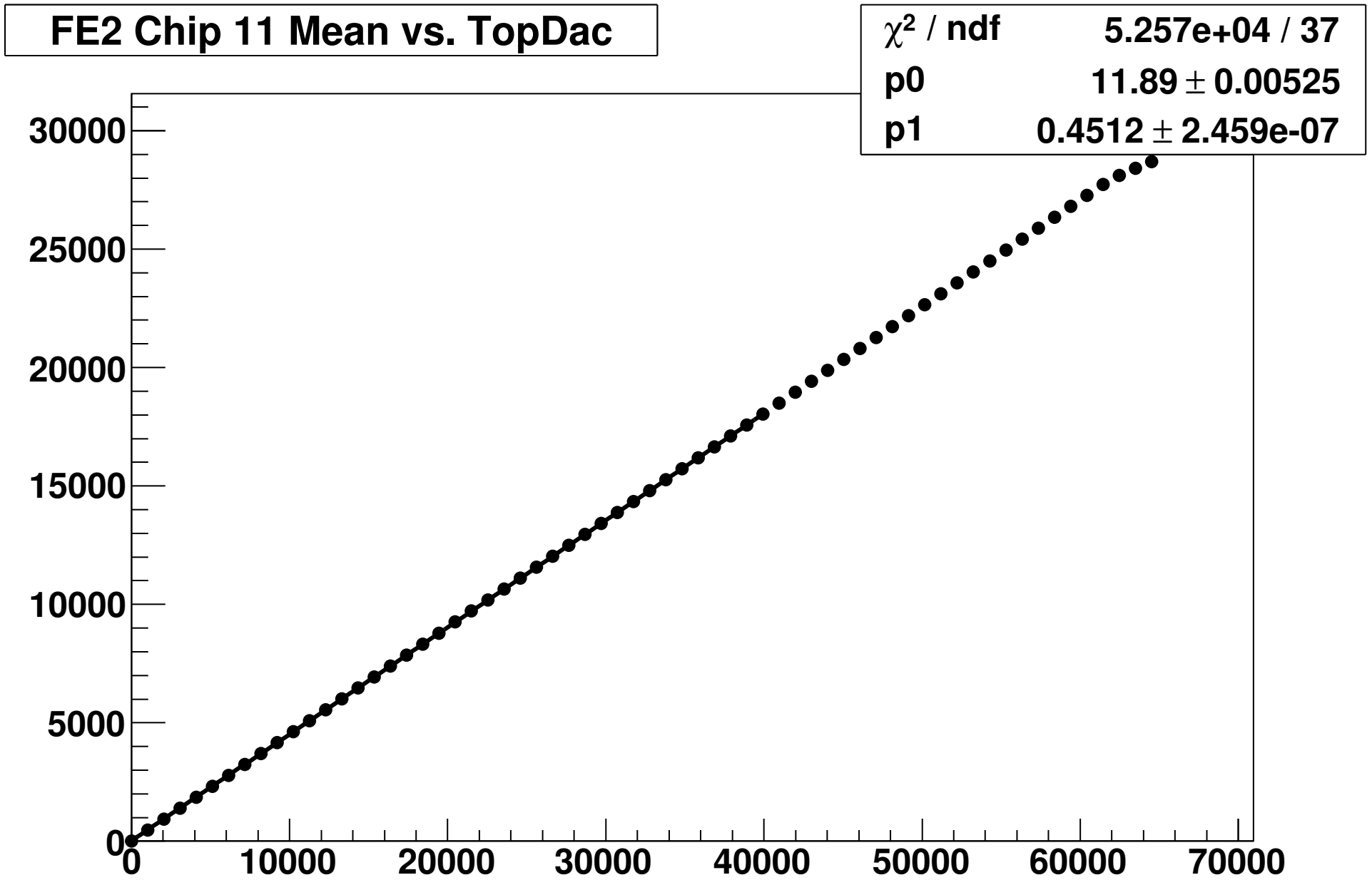
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 5.257e+04 / 37
p0 11.89 ± 0.00525
p1 0.4512 ± 2.459e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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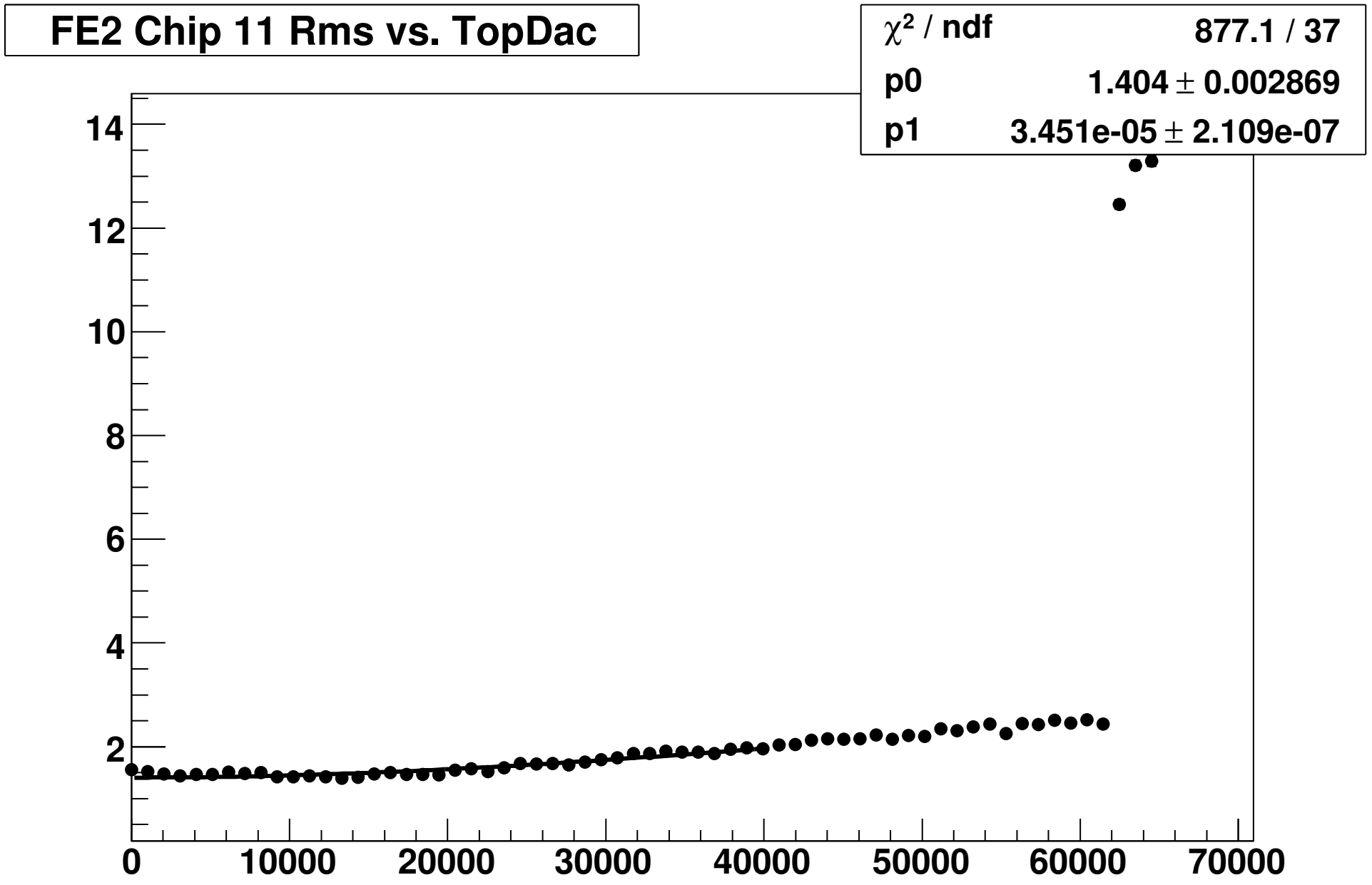
FE2 Chip 11 Rms vs. TopDac
χ² / ndf 877.1 / 37
p0 1.404 ± 0.002869
p1 3.451e-05 ± 2.109e-07
14
12
10
8
6
4
2
0
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20000
30000
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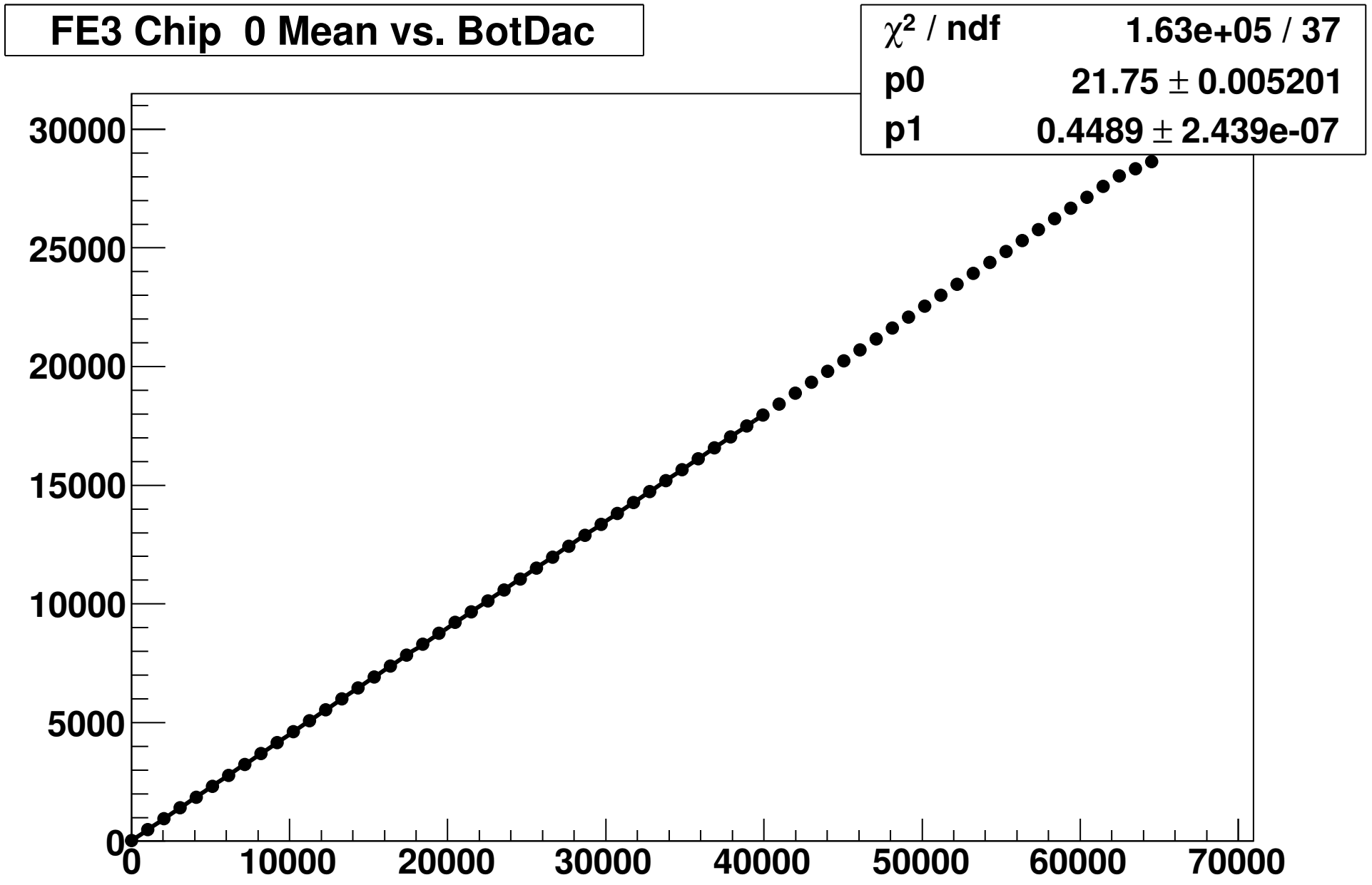
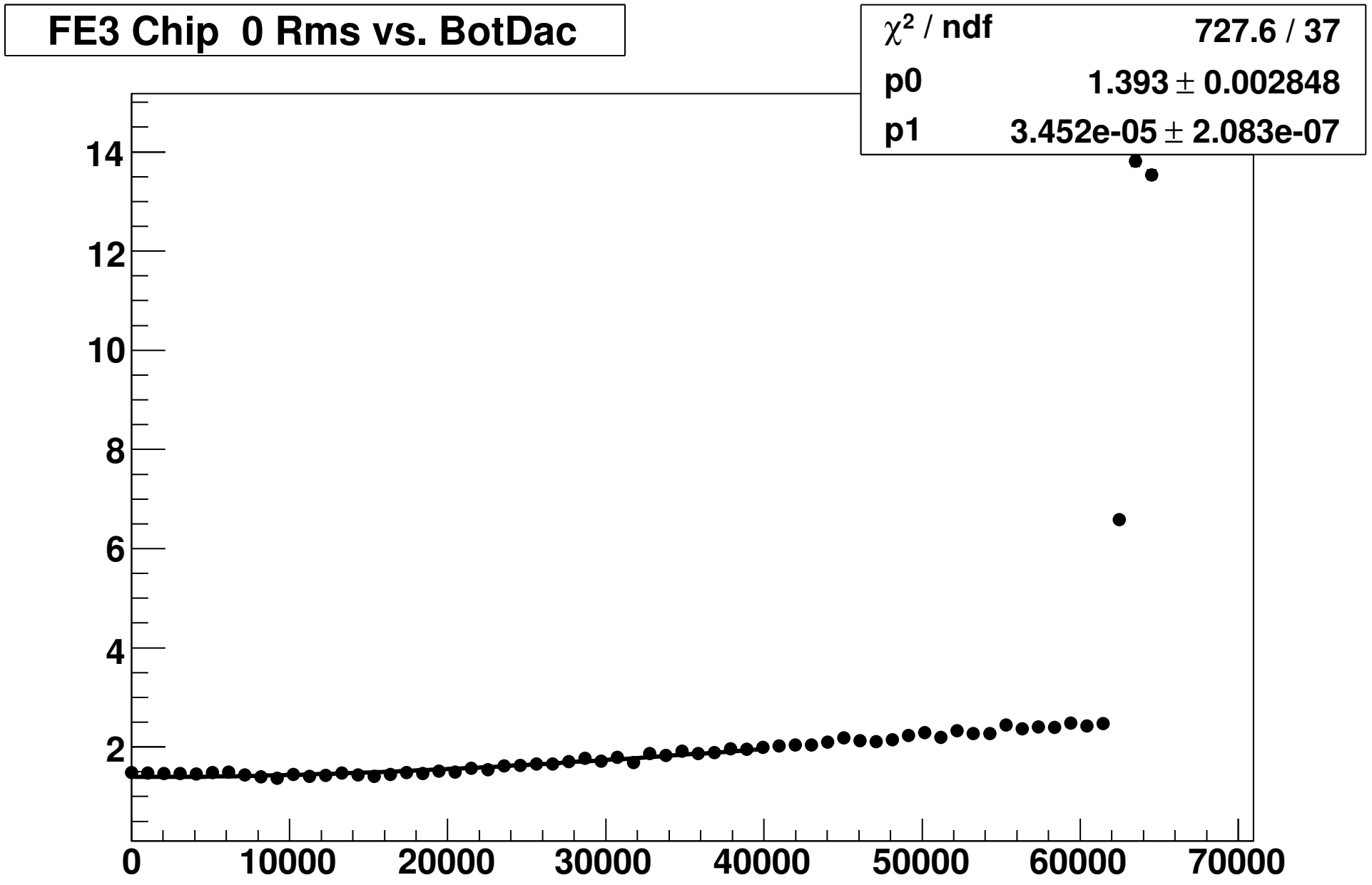

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 1.63e+05 / 37
p0 21.75 ± 0.005201
p1 0.4489 ± 2.439e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 727.6 / 37
p0 1.393 ± 0.002848
p1 3.452e-05 ± 2.083e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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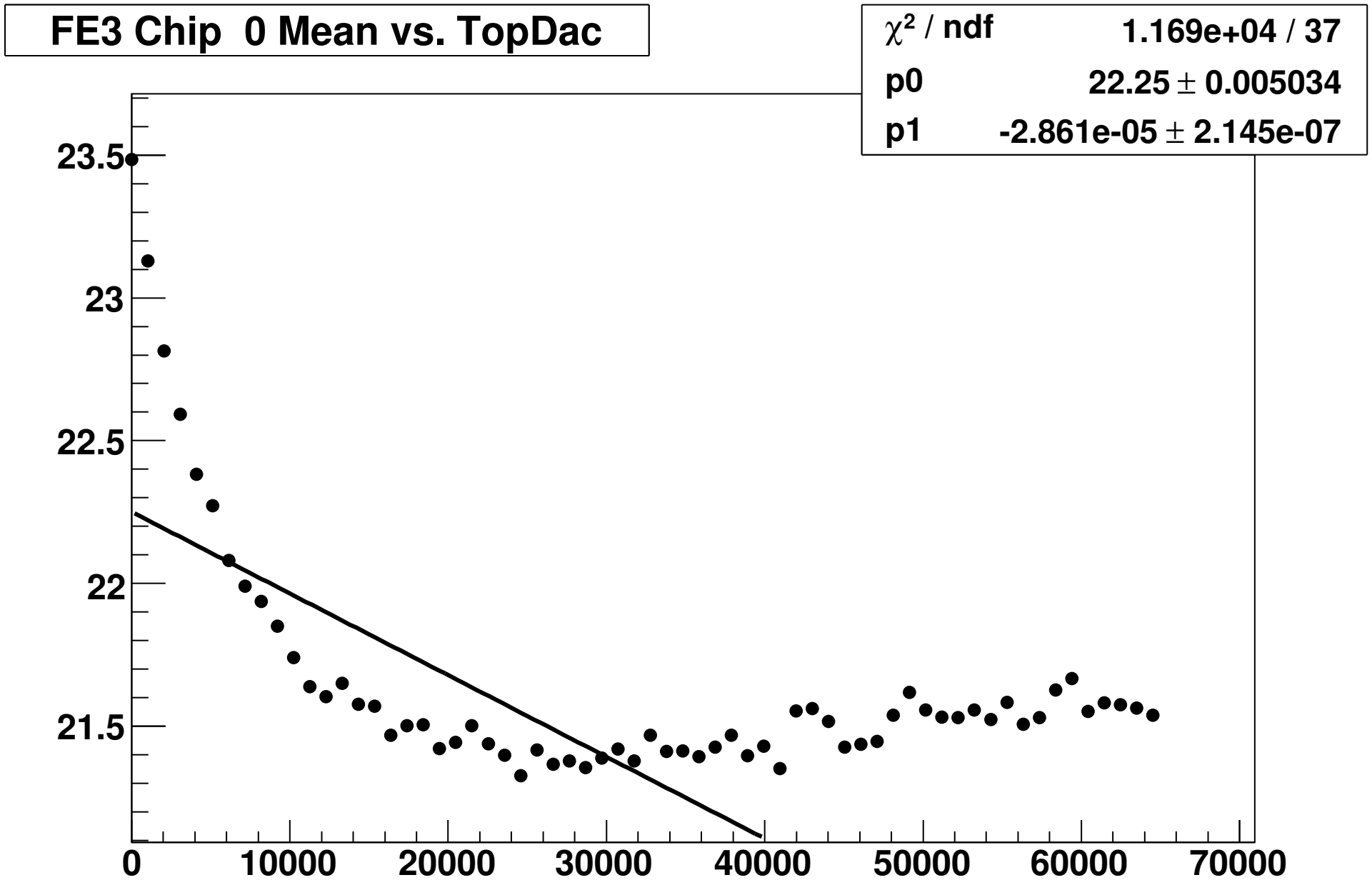
60000
70000


FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1.169e+04 / 37
p0 22.25 ± 0.005034
p1 -2.861e-05 ± 2.145e-07
23.5
23
22.5
22
21.5
0
10000
20000
30000
40000
50000
60000
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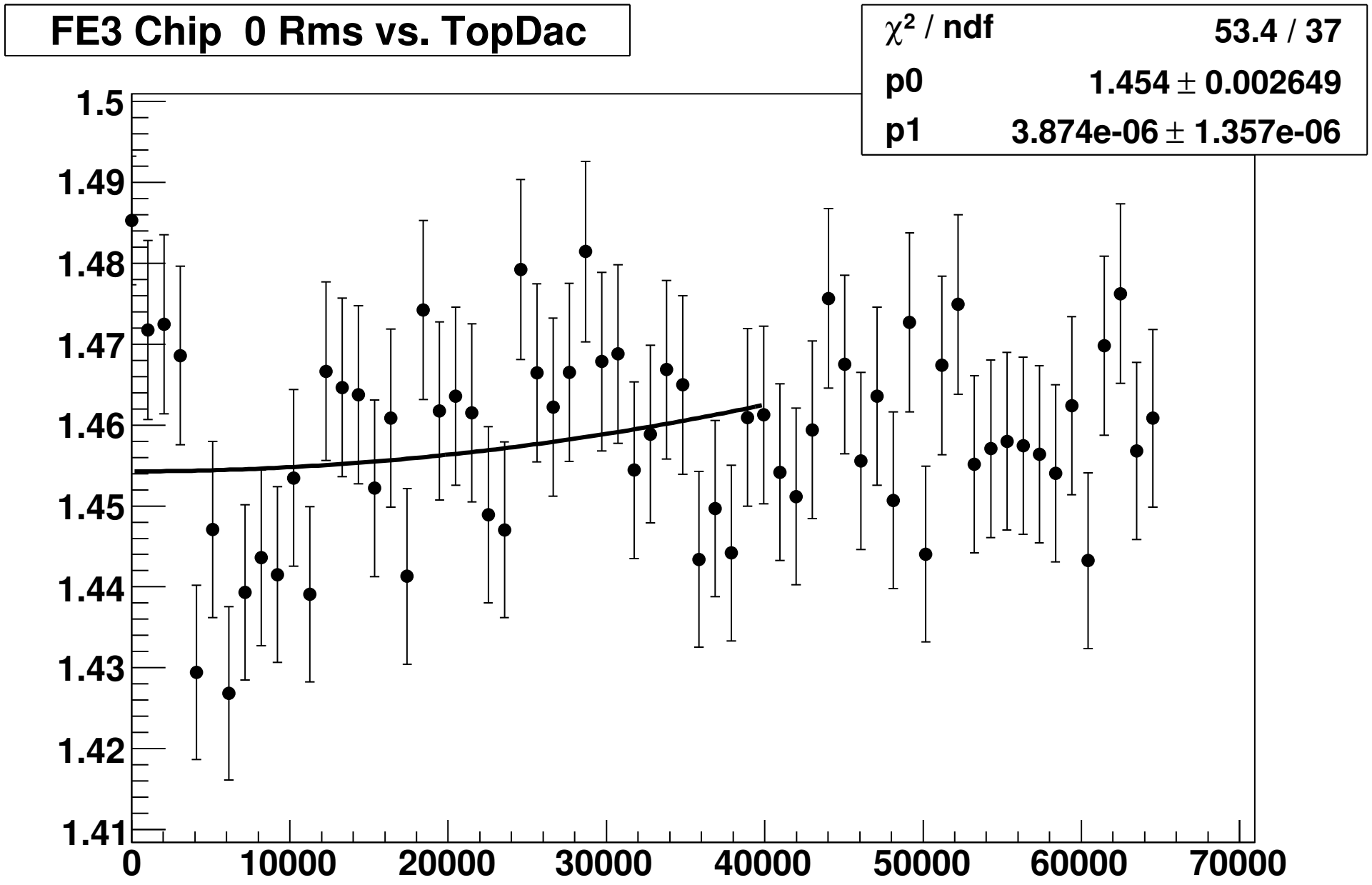
FE3 Chip 0 Rms vs. TopDac
χ² / ndf 53.4 / 37
p0 1.454 ± 0.002649
p1 3.874e-06 ± 1.357e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
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50000
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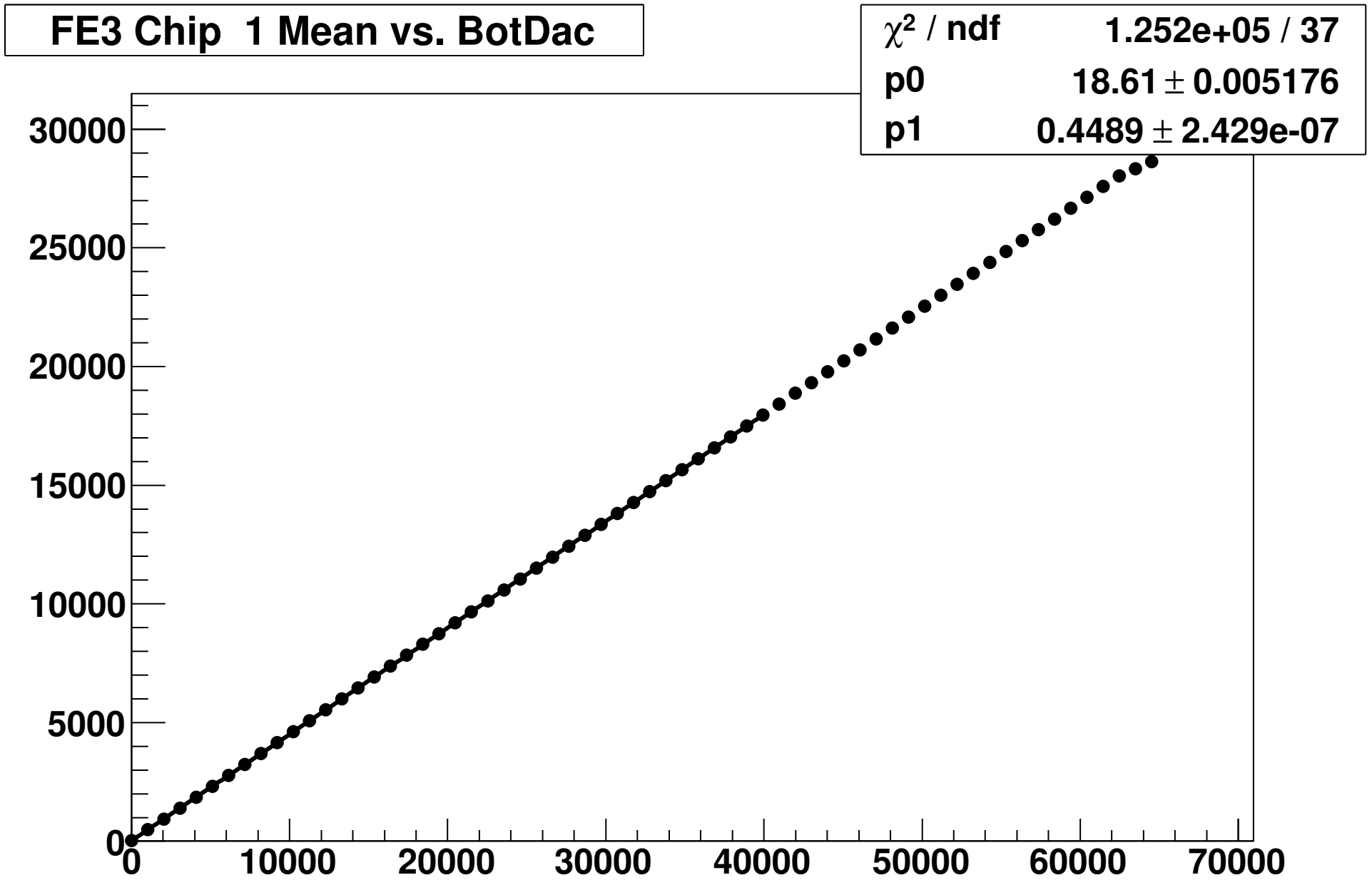
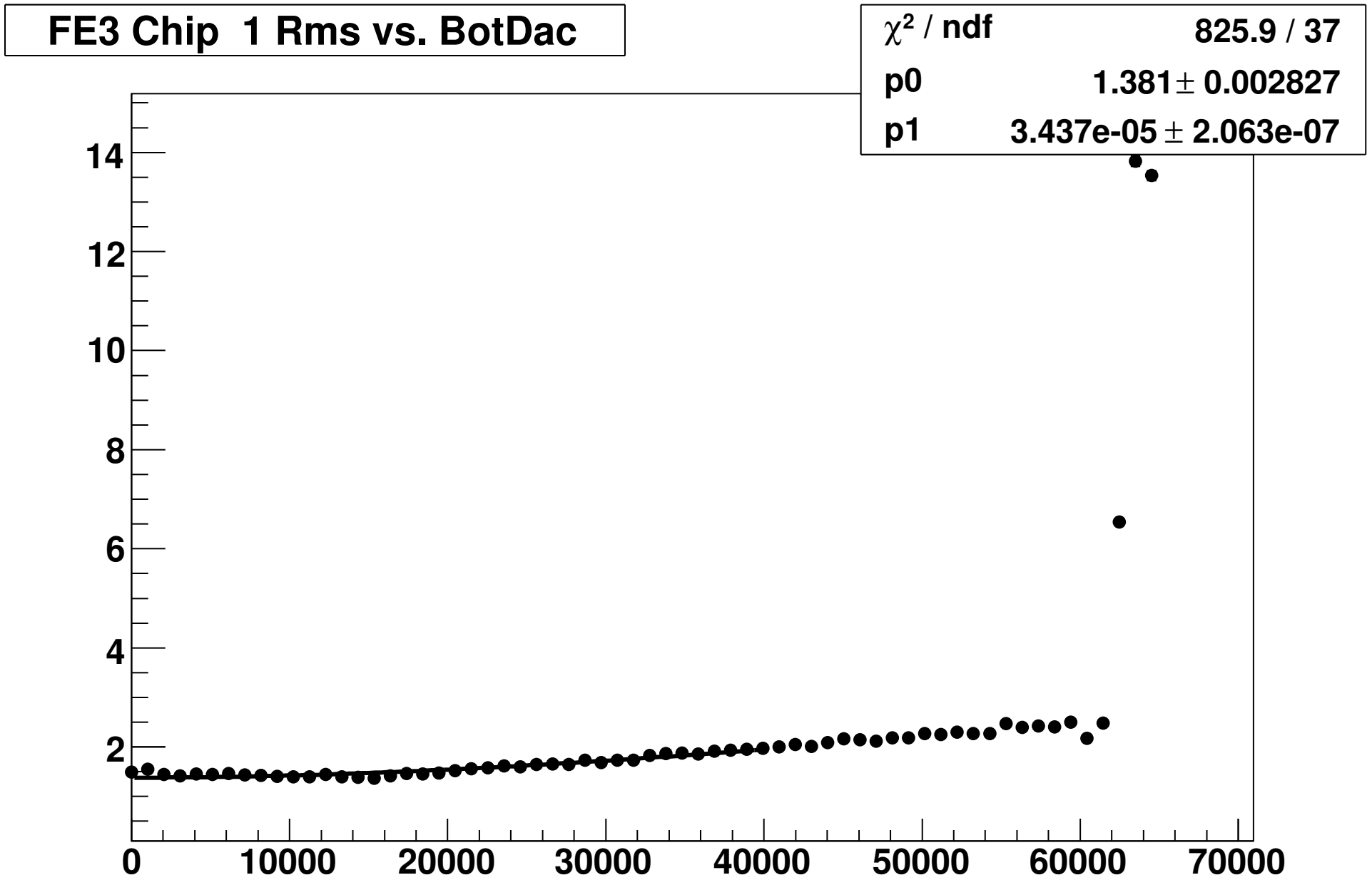

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.252e+05 / 37
p0 18.61 ± 0.005176
p1 0.4489 ± 2.429e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 825.9 / 37
p0 1.381 ± 0.002827
p1 3.437e-05 ± 2.063e-07
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12
10
8
6
4
2
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20000
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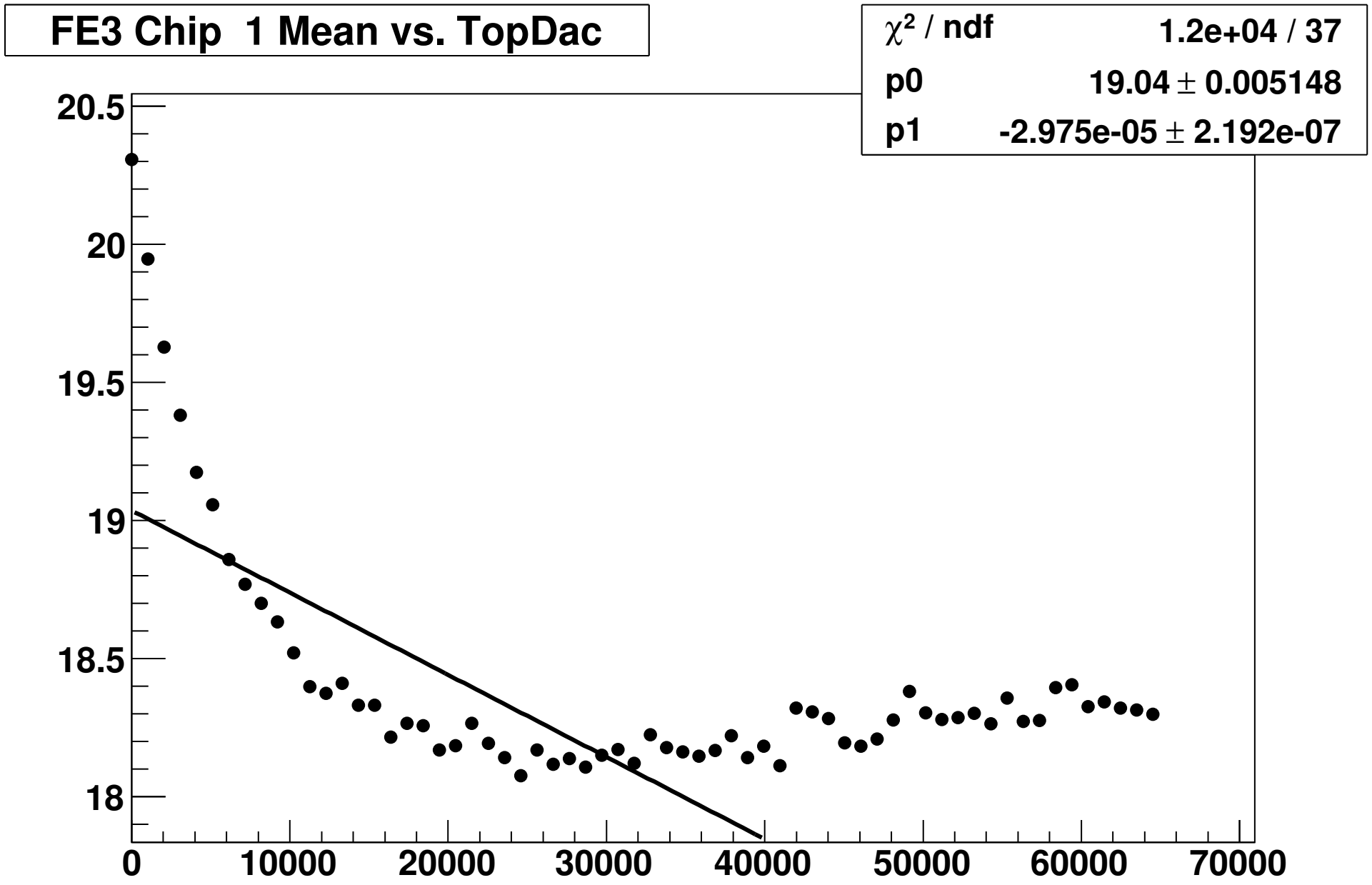
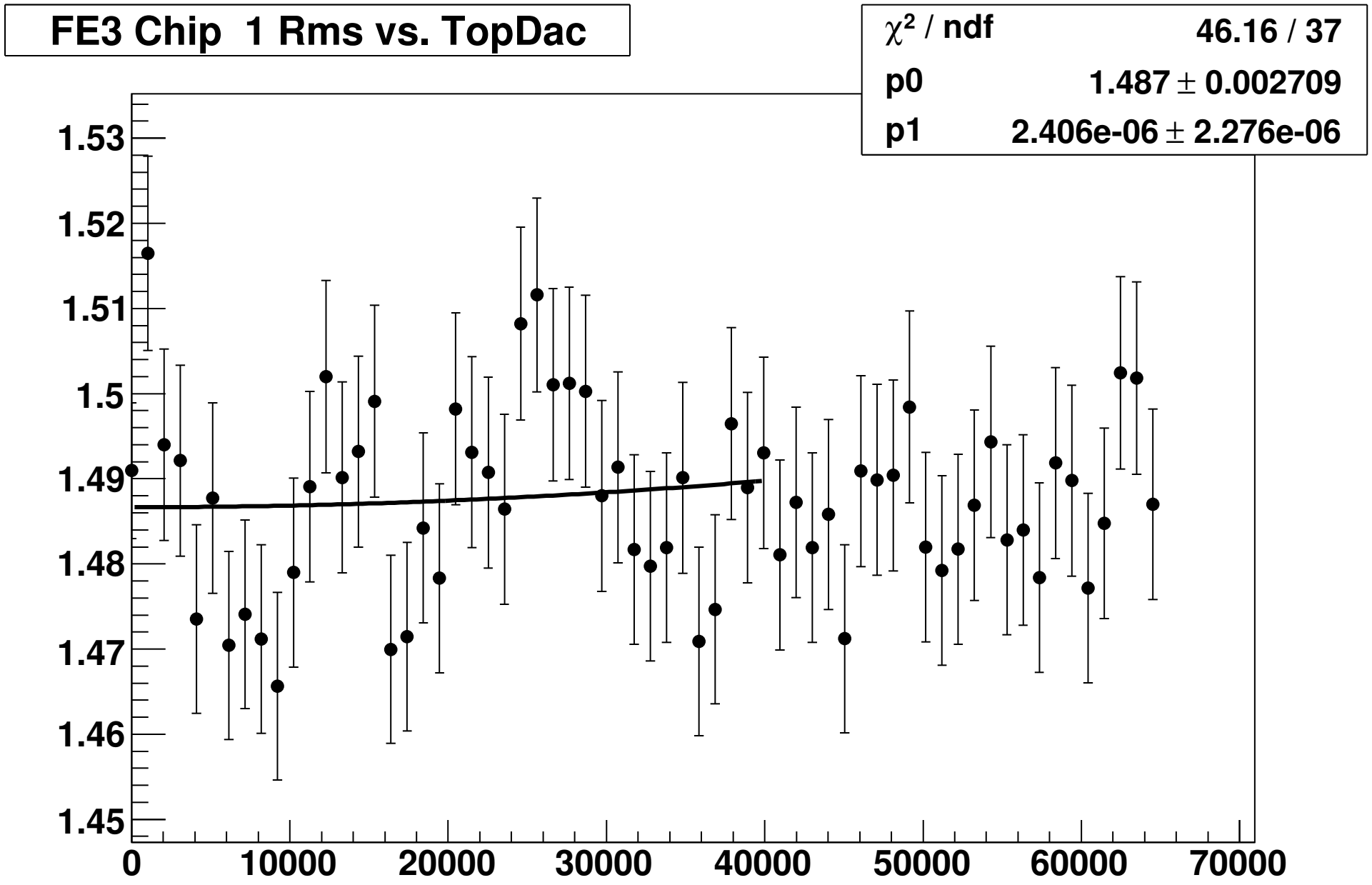

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1.2e+04 / 37
p0 19.04 ± 0.005148
p1 -2.975e-05 ± 2.192e-07
20.5
20
19.5
19
18.5
18
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 46.16 / 37
p0 1.487 ± 0.002709
p1 2.406e-06 ± 2.276e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
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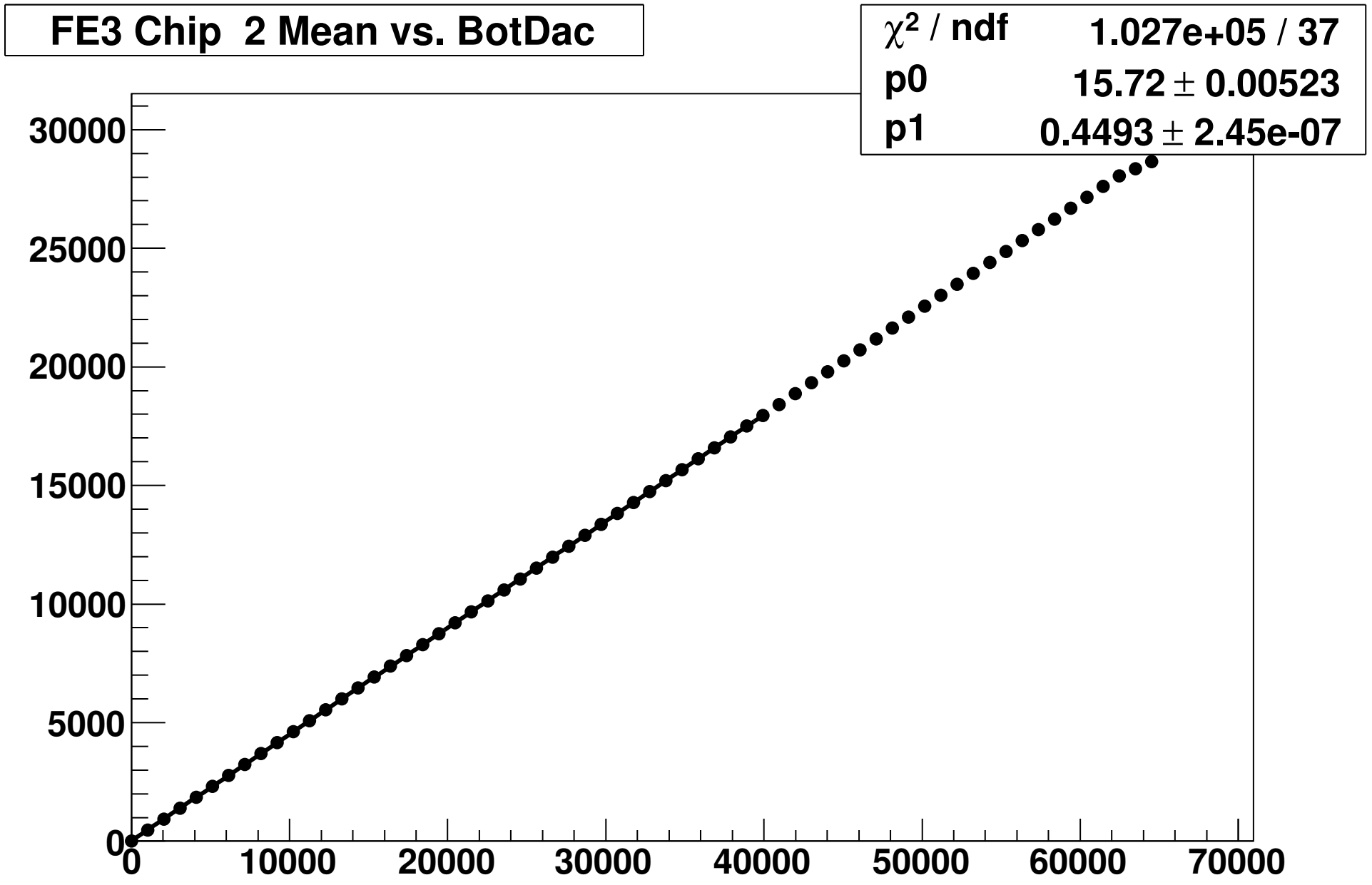
FE3 Chip 2 Mean vs. BotDac
χ² / ndf 1.027e+05 / 37
p0 15.72 ± 0.00523
p1 0.4493 ± 2.45e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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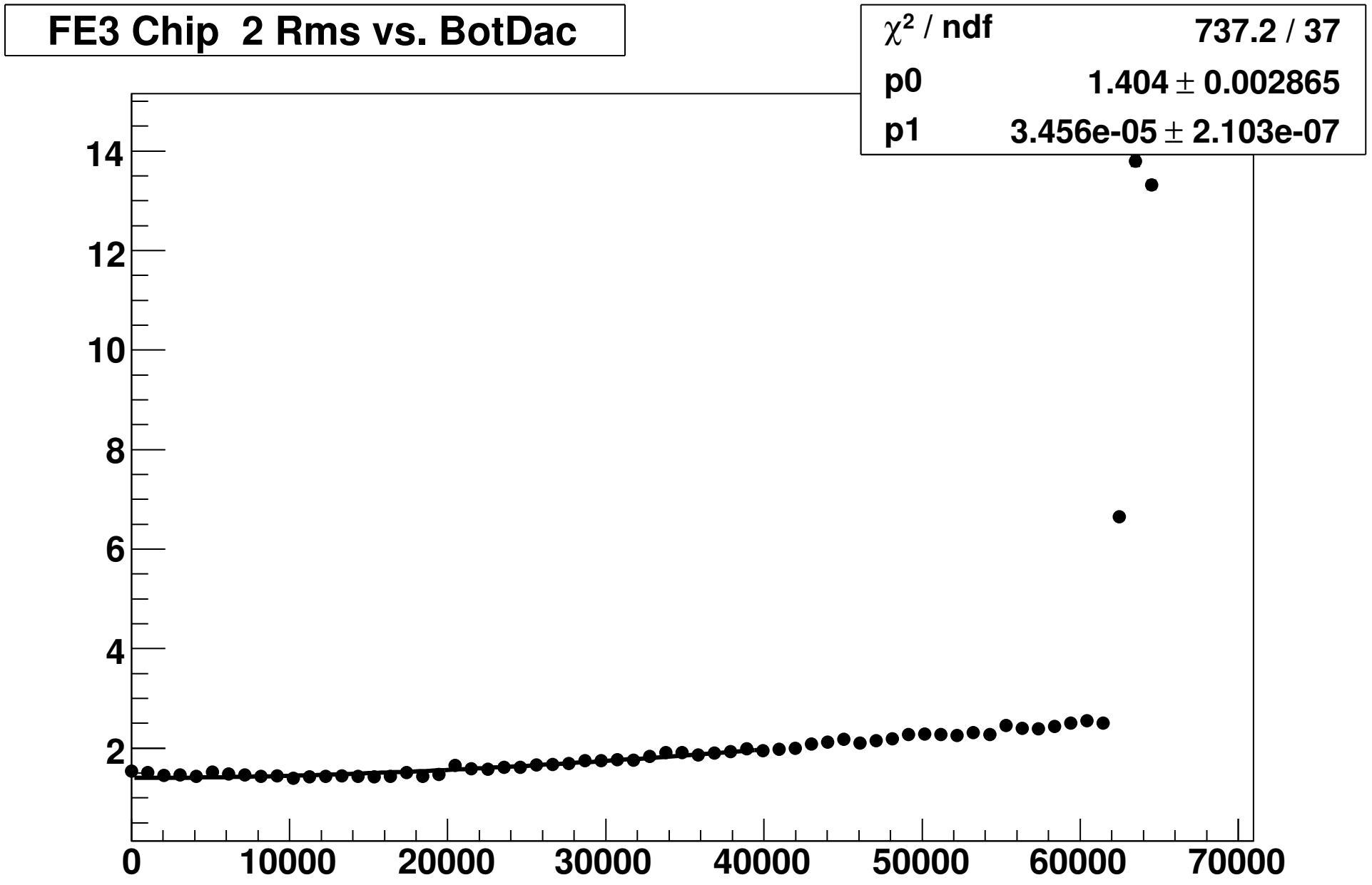
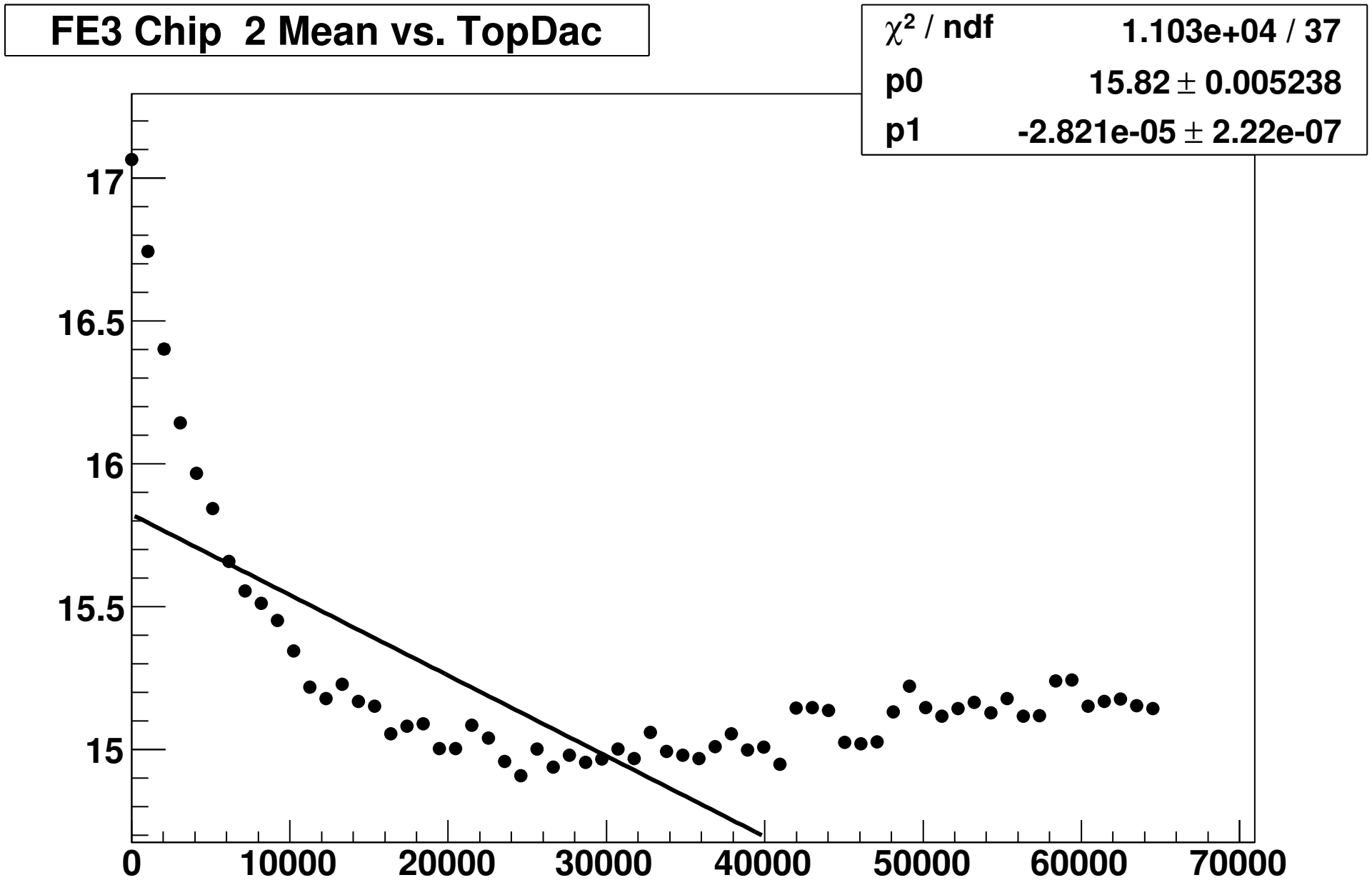

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 737.2 / 37
p0 1.404 ± 0.002865
p1 3.456e-05 ± 2.103e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1.103e+04 / 37
p0 15.82 ± 0.005238
p1 -2.821e-05 ± 2.22e-07
17
16.5
16
15.5
15
0
10000
20000
30000
40000
50000
60000
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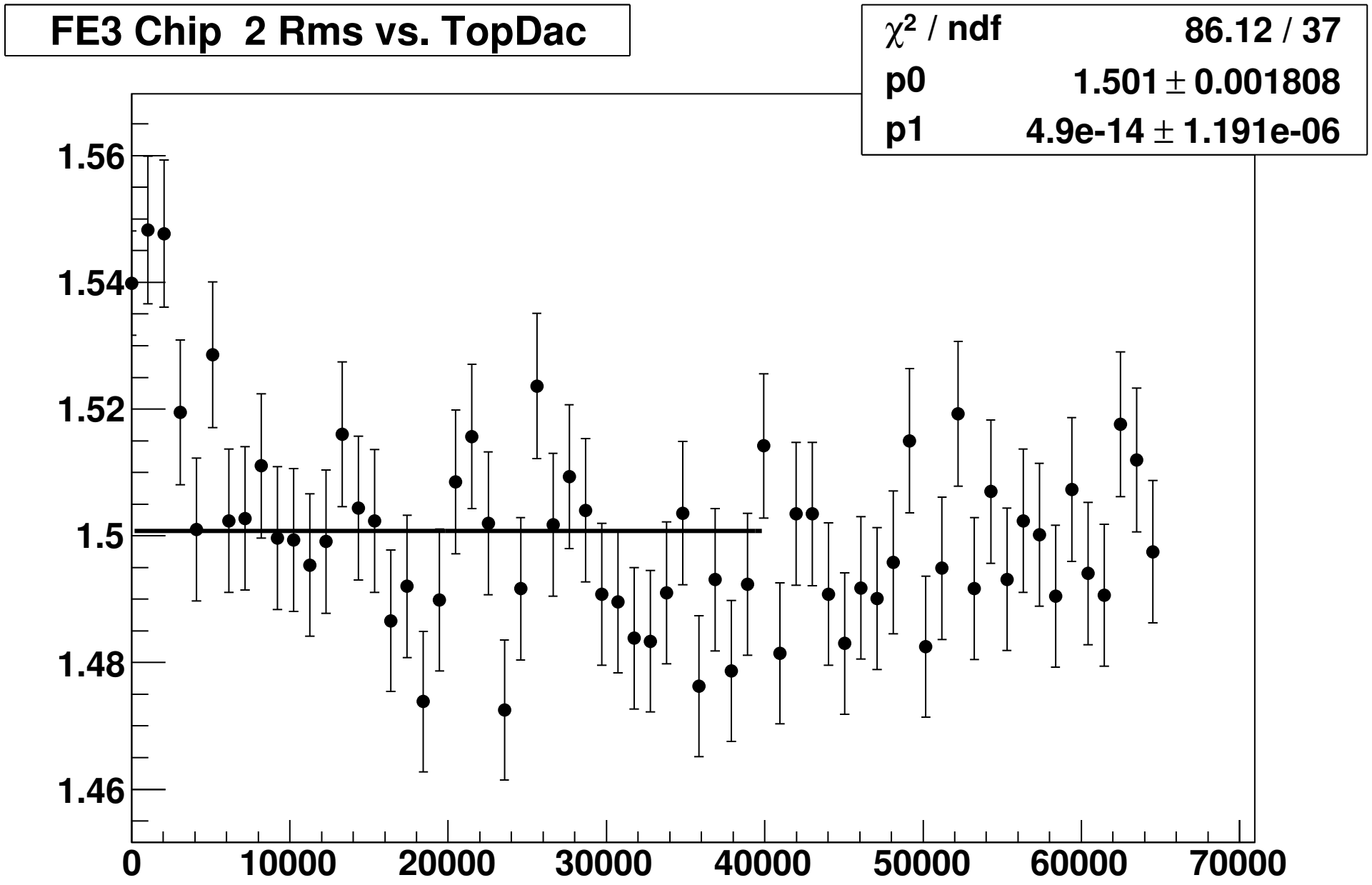
FE3 Chip 2 Rms vs. TopDac
χ² / ndf 86.12 / 37
p0 1.501 ± 0.001808
p1 4.9e-14 ± 1.191e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
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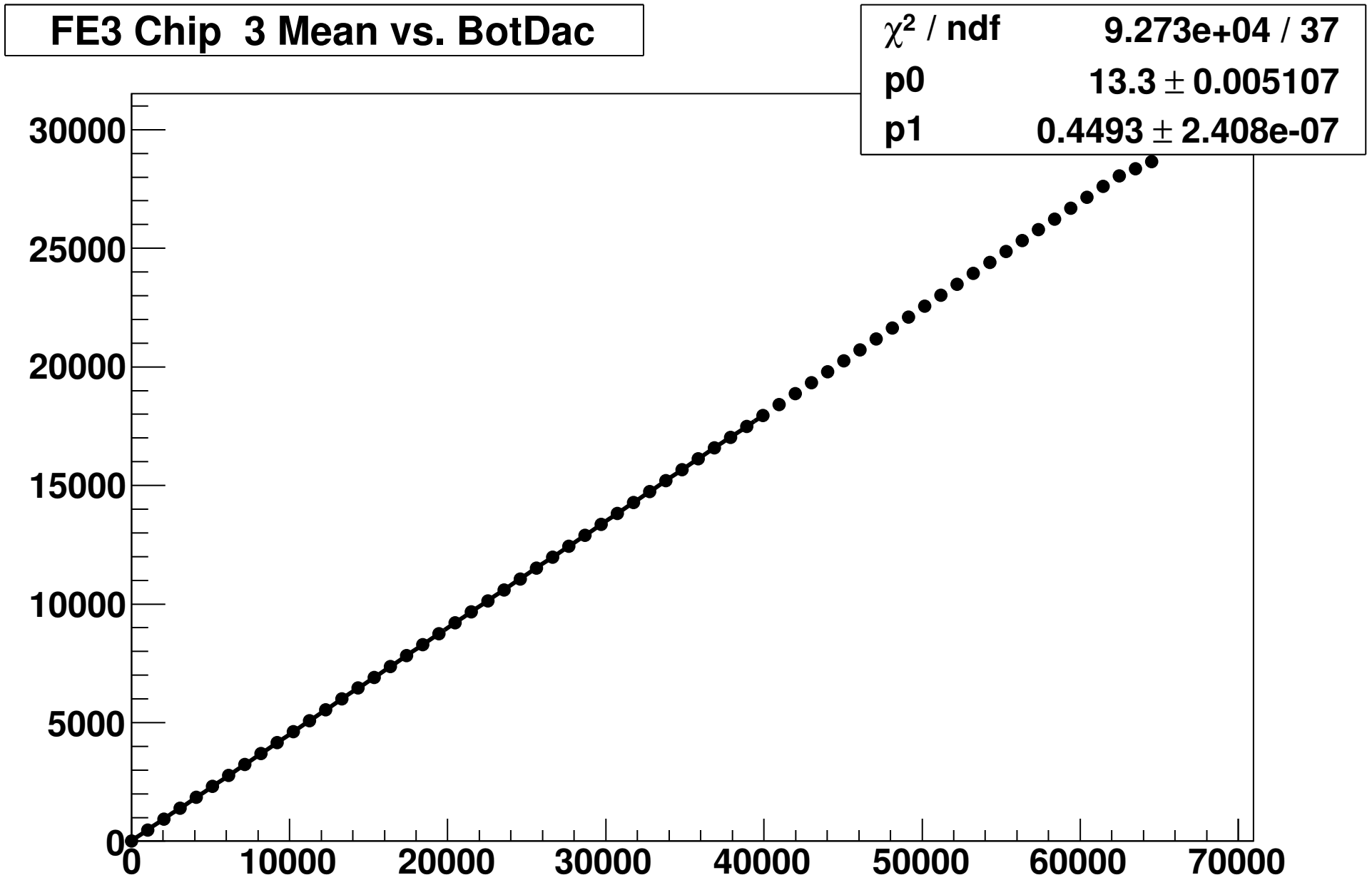
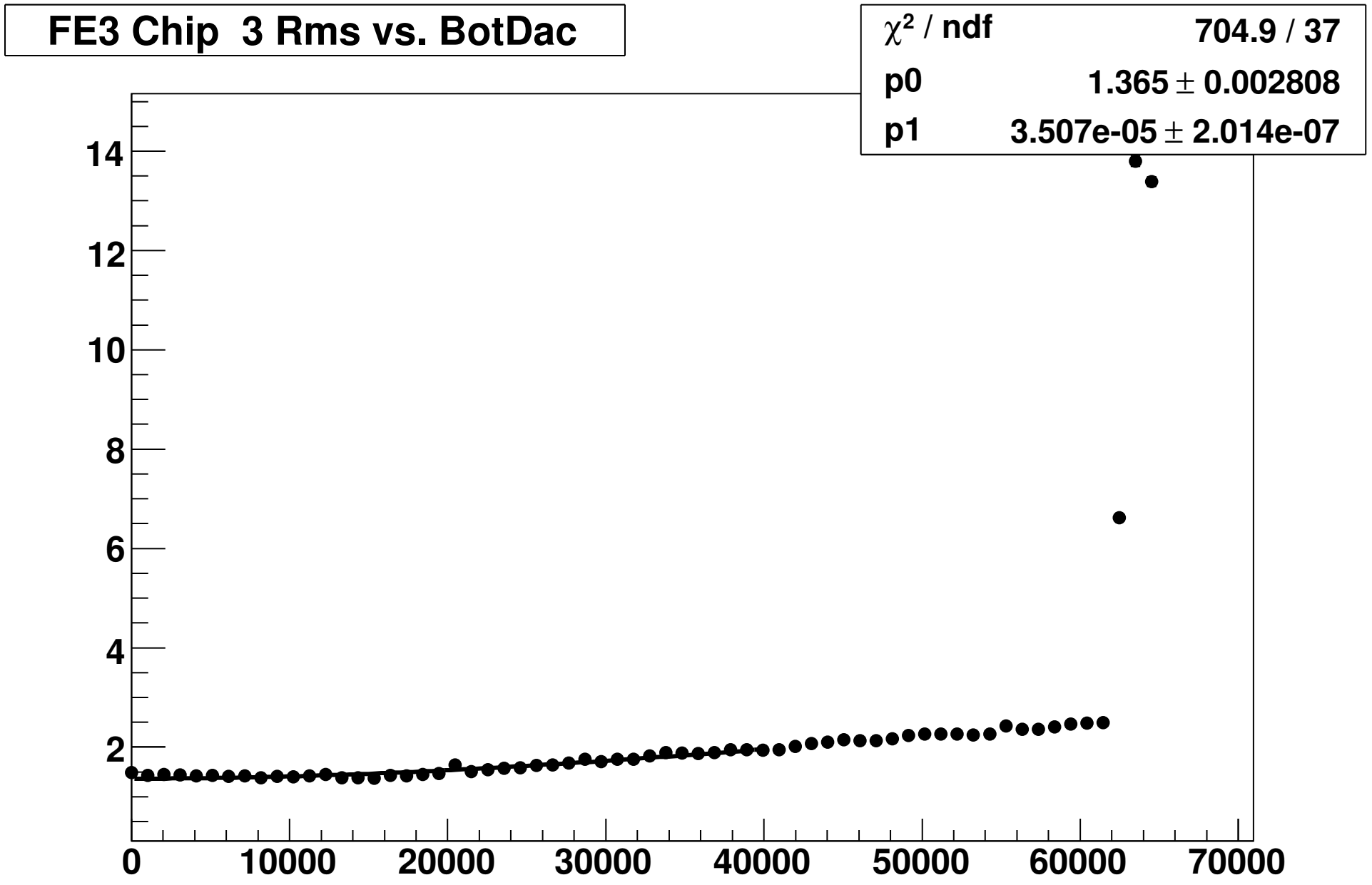
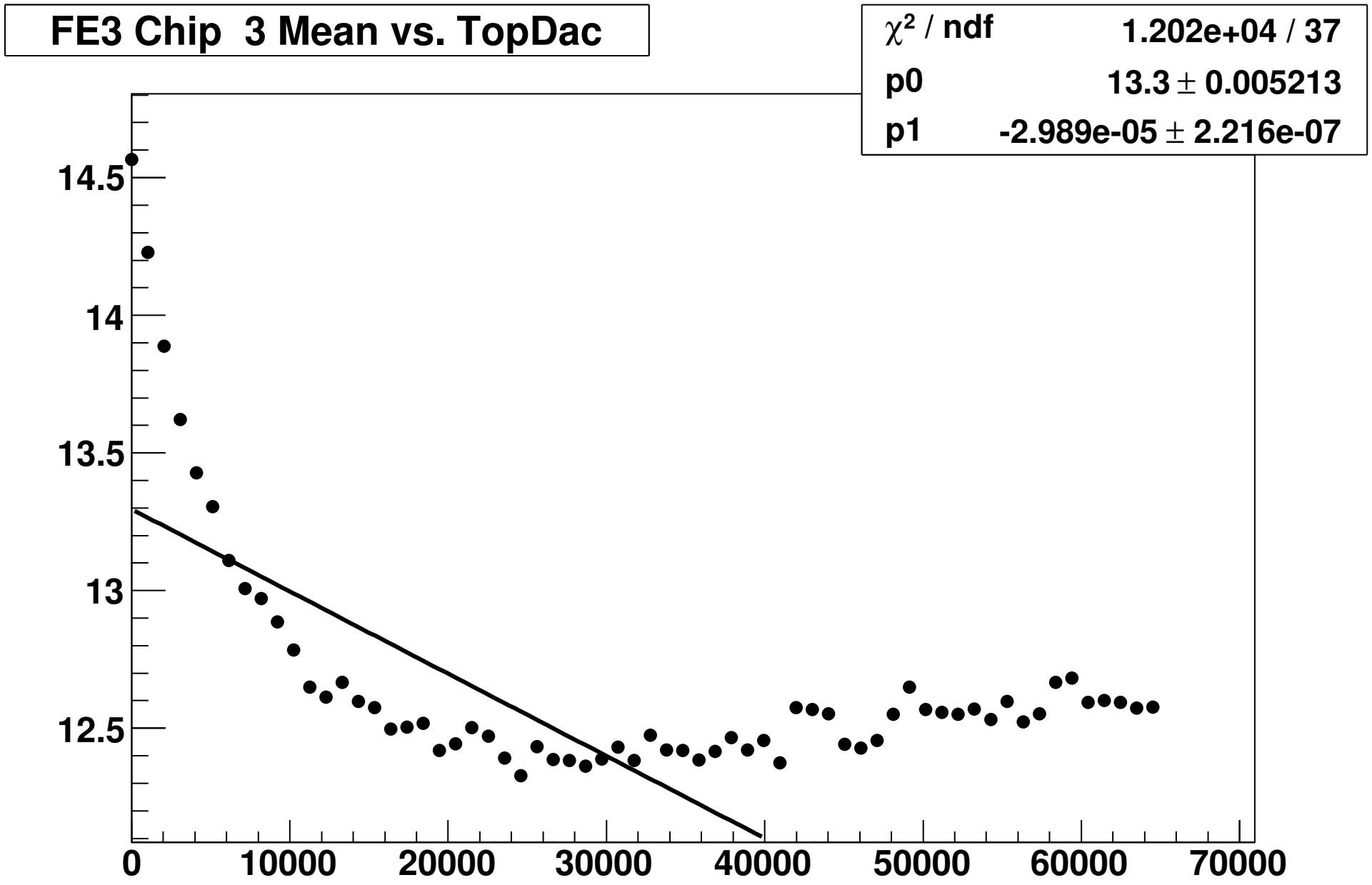
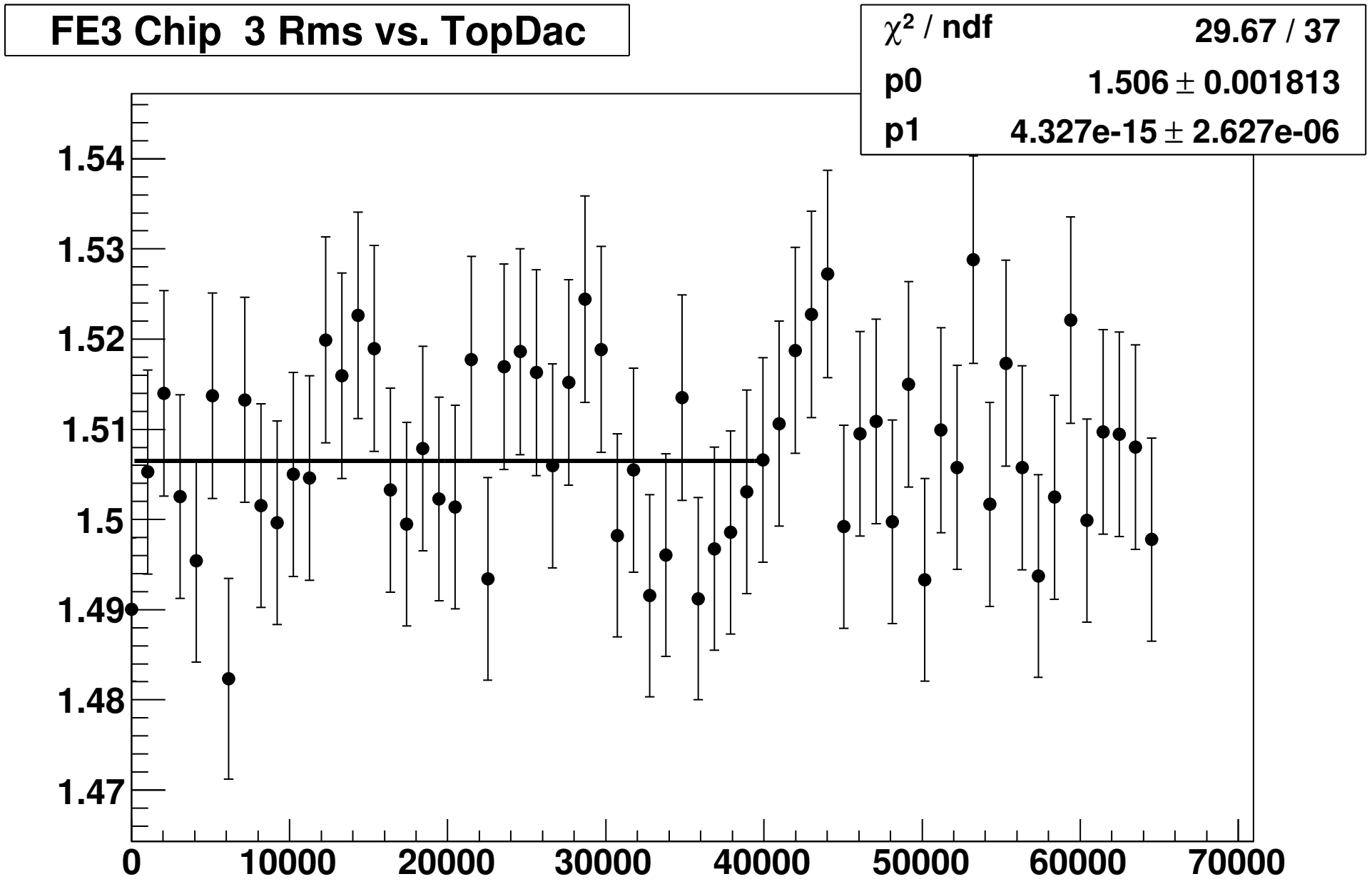
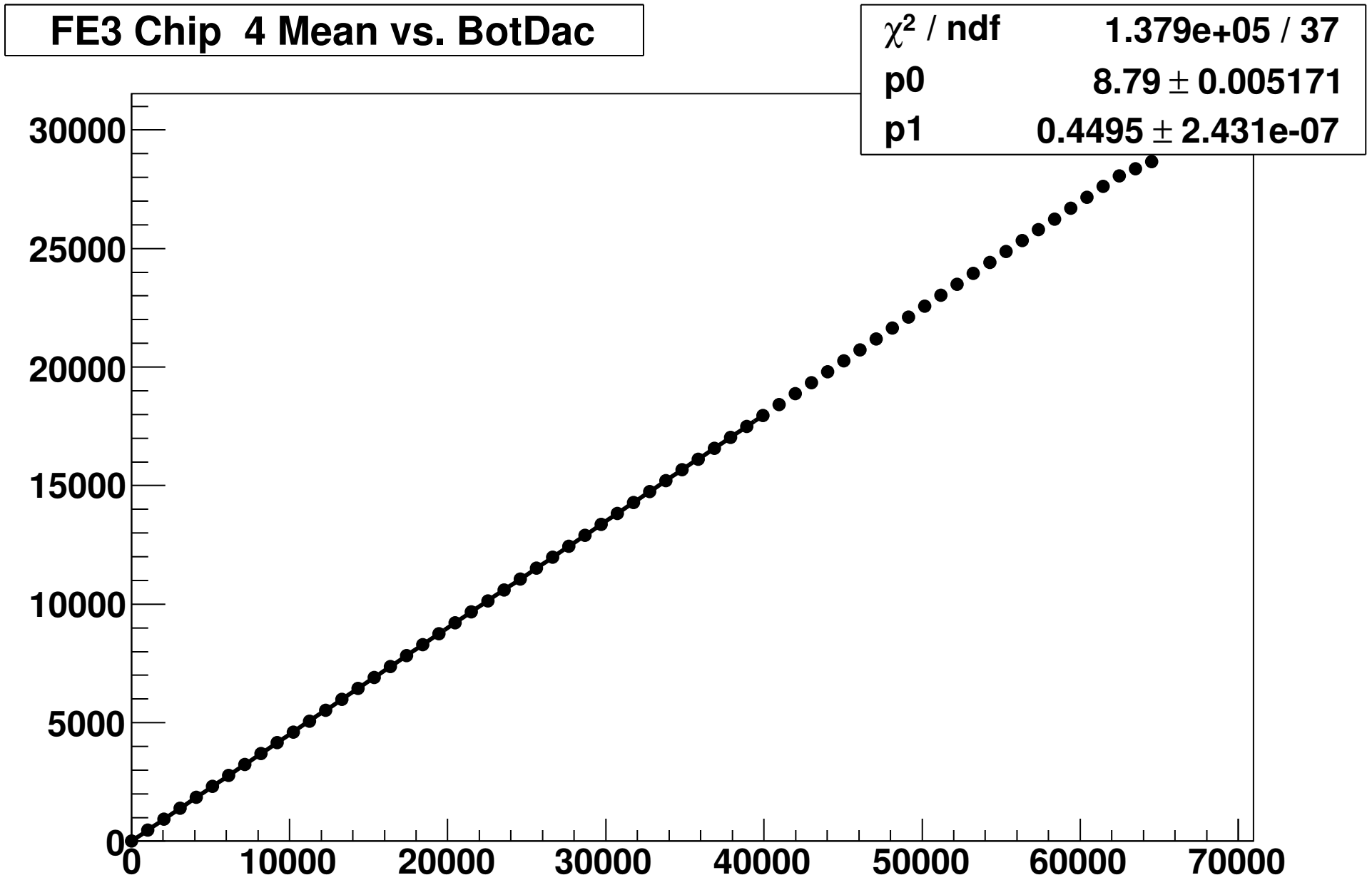
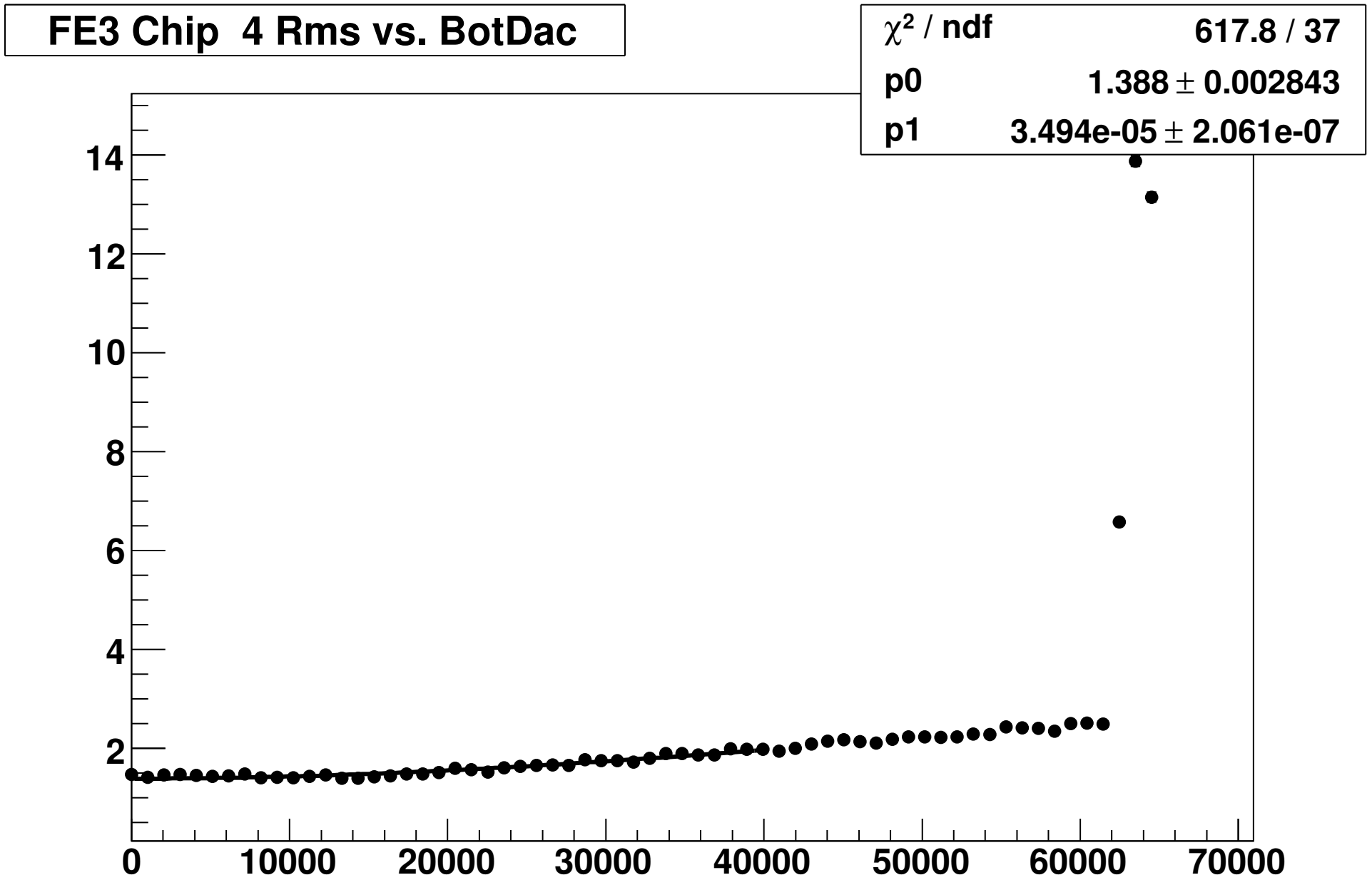

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 9.273e+04 / 37
p0 13.3 ± 0.005107
p1 0.4493 ± 2.408e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 704.9 / 37
p0 1.365 ± 0.002808
p1 3.507e-05 ± 2.014e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1.202e+04 / 37
p0 13.3 ± 0.005213
p1 -2.989e-05 ± 2.216e-07
14.5
14
13.5
13
12.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 29.67 / 37
p0 1.506 ± 0.001813
p1 4.327e-15 ± 2.627e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 1.379e+05 / 37
p0 8.79 ± 0.005171
p1 0.4495 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 617.8 / 37
p0 1.388 ± 0.002843
p1 3.494e-05 ± 2.061e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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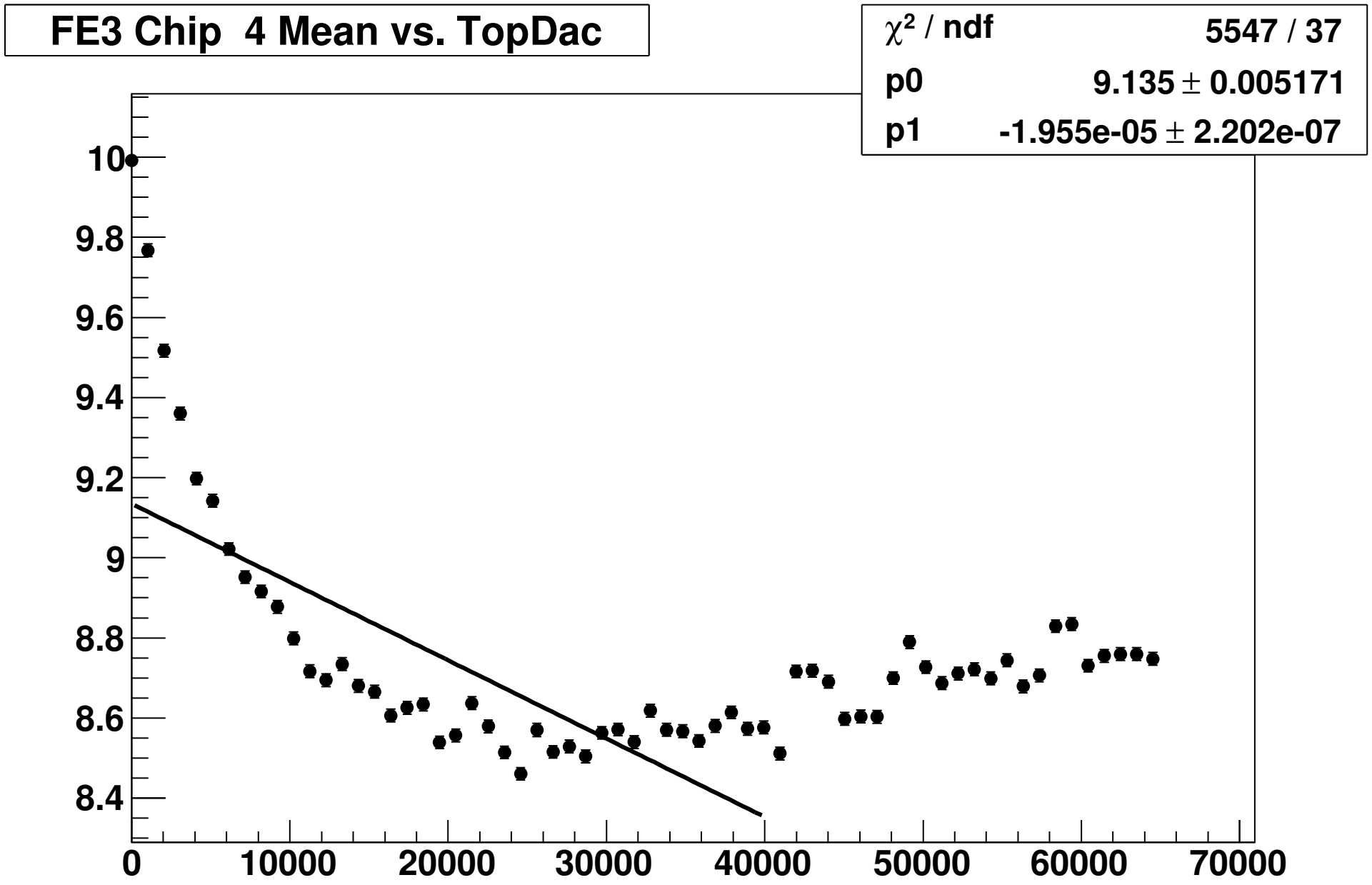
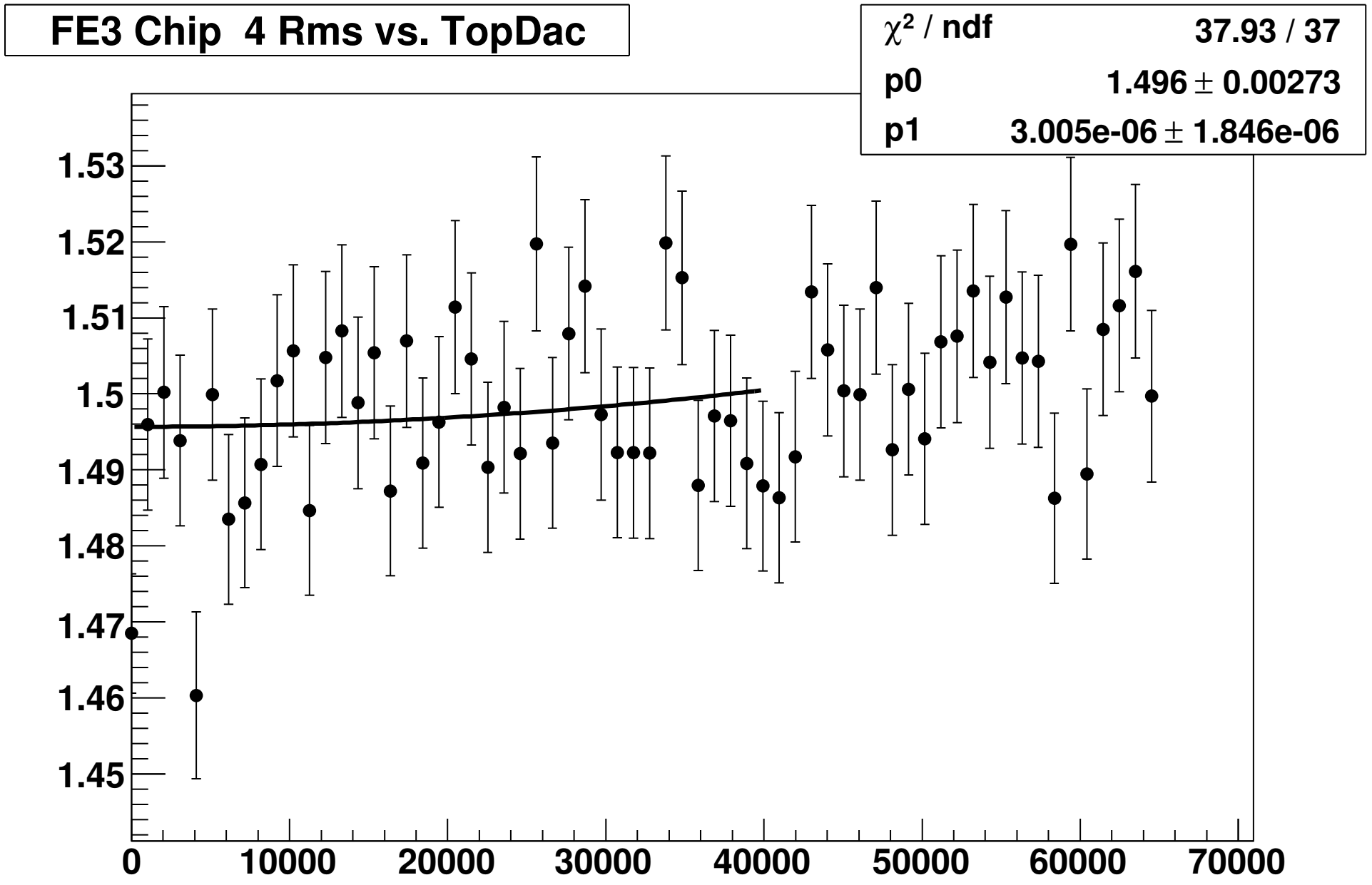

FE3 Chip 4 Mean vs. TopDac
χ² / ndf 5547 / 37
p0 9.135 ± 0.005171
p1 -1.955e-05 ± 2.202e-07
10
9.8
9.6
9.4
9.2
9
8.8
8.6
8.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 37.93 / 37
p0 1.496 ± 0.00273
p1 3.005e-06 ± 1.846e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
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10000
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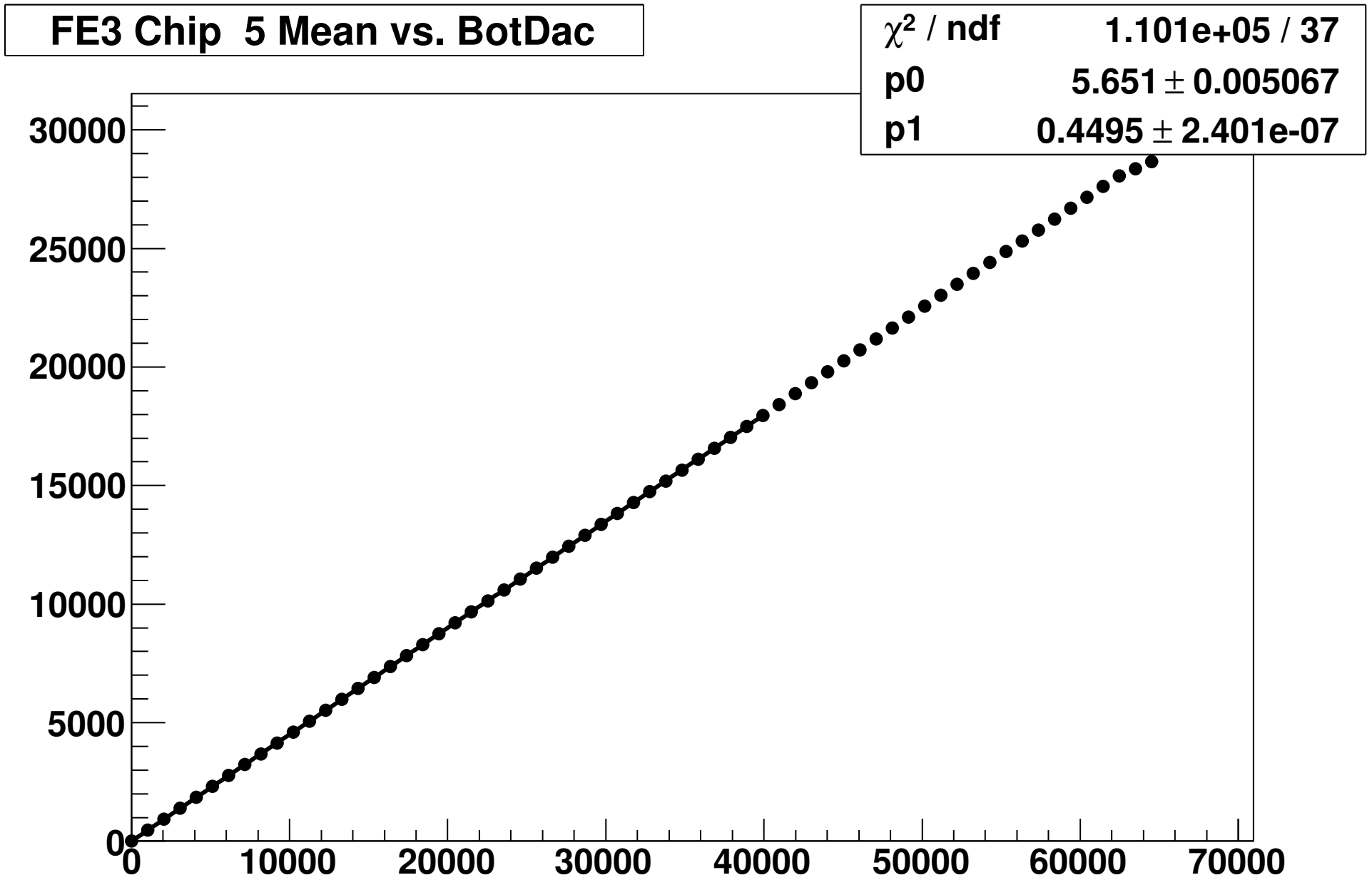
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.101e+05 / 37
p0 5.651 ± 0.005067
p1 0.4495 ± 2.401e-07
30000
25000
20000
15000
10000
5000
0
0
10000
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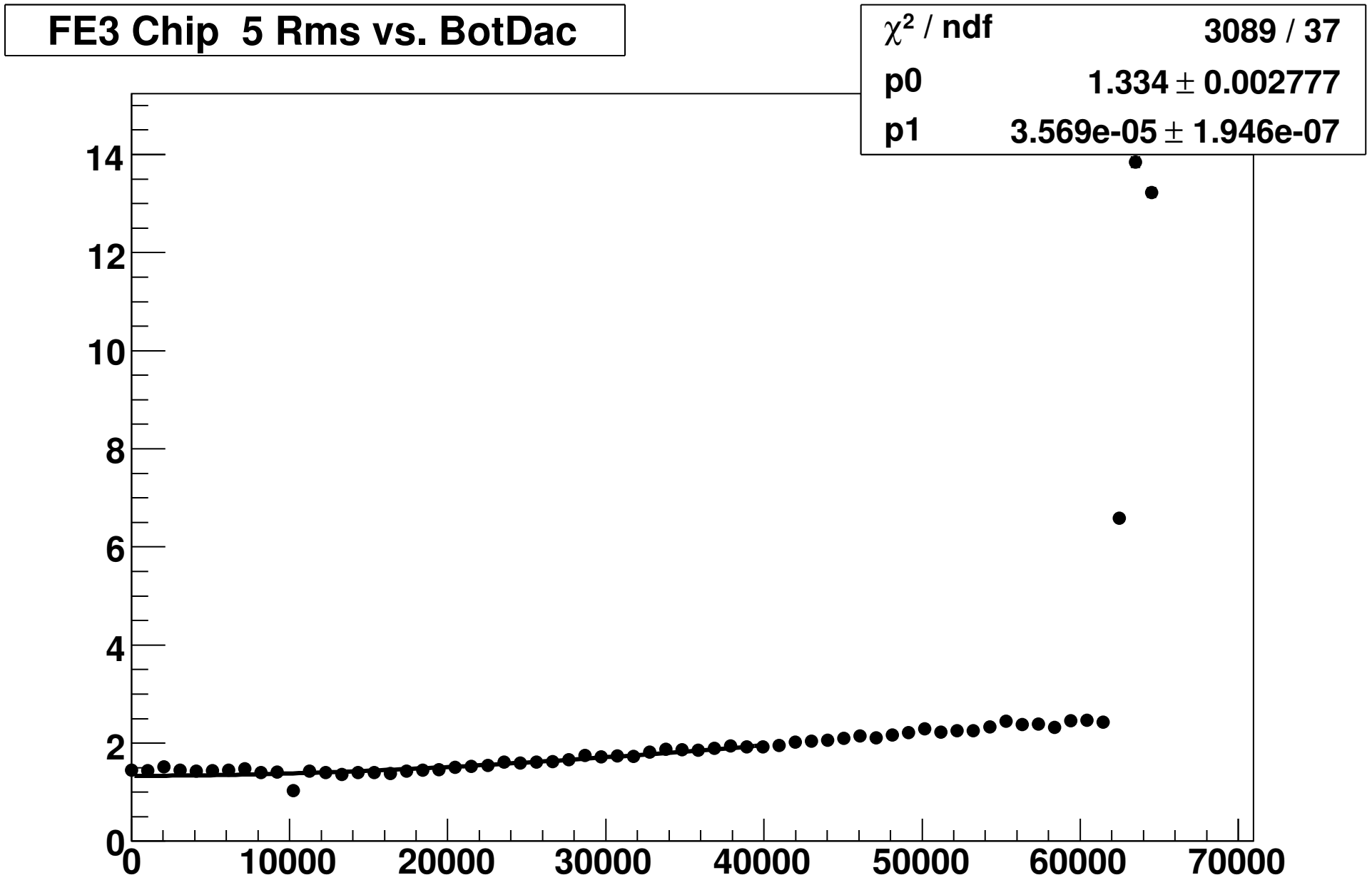
FE3 Chip 5 Rms vs. BotDac
χ² / ndf 3089 / 37
p0 1.334 ± 0.002777
p1 3.569e-05 ± 1.946e-07
0
2
4
6
8
10
12
14
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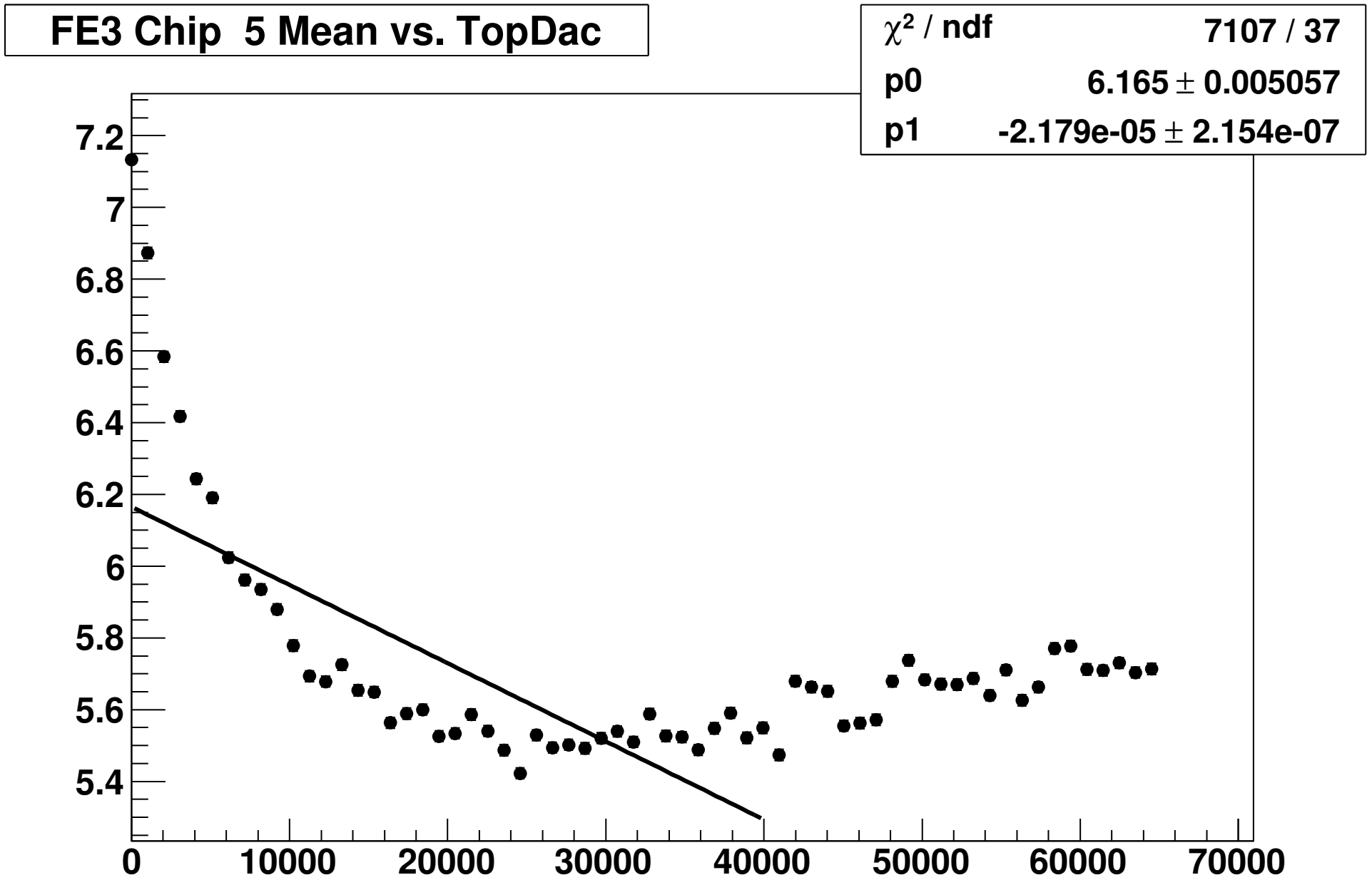
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 7107 / 37
p0 6.165 ± 0.005057
p1 -2.179e-05 ± 2.154e-07
7.2
7
6.8
6.6
6.4
6.2
6
5.8
5.6
5.4
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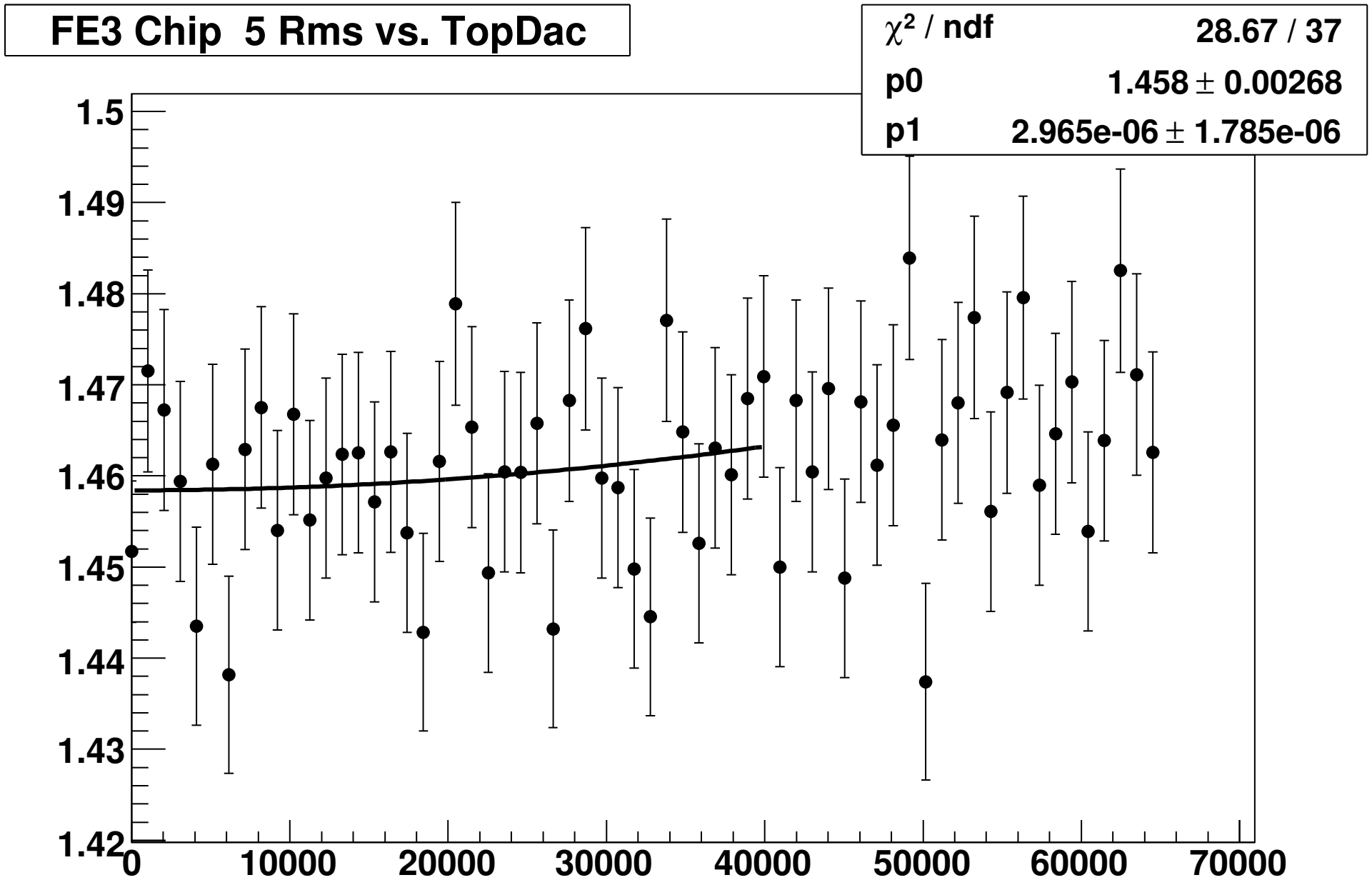
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 28.67 / 37
p0 1.458 ± 0.00268
p1 2.965e-06 ± 1.785e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
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60000
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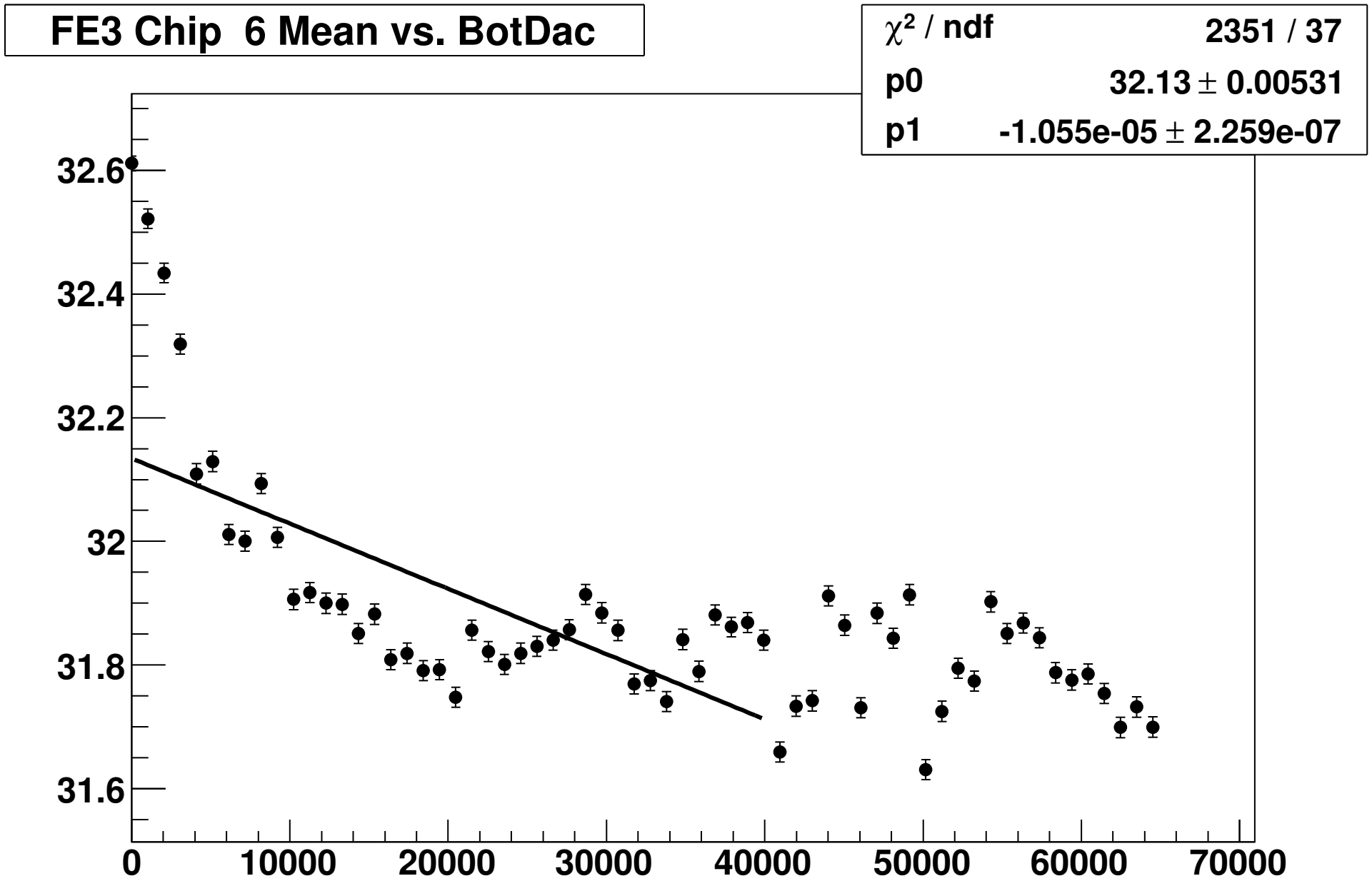
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 2351 / 37
p0 32.13 ± 0.00531
p1 -1.055e-05 ± 2.259e-07
32.6
32.4
32.2
32
31.8
31.6
0
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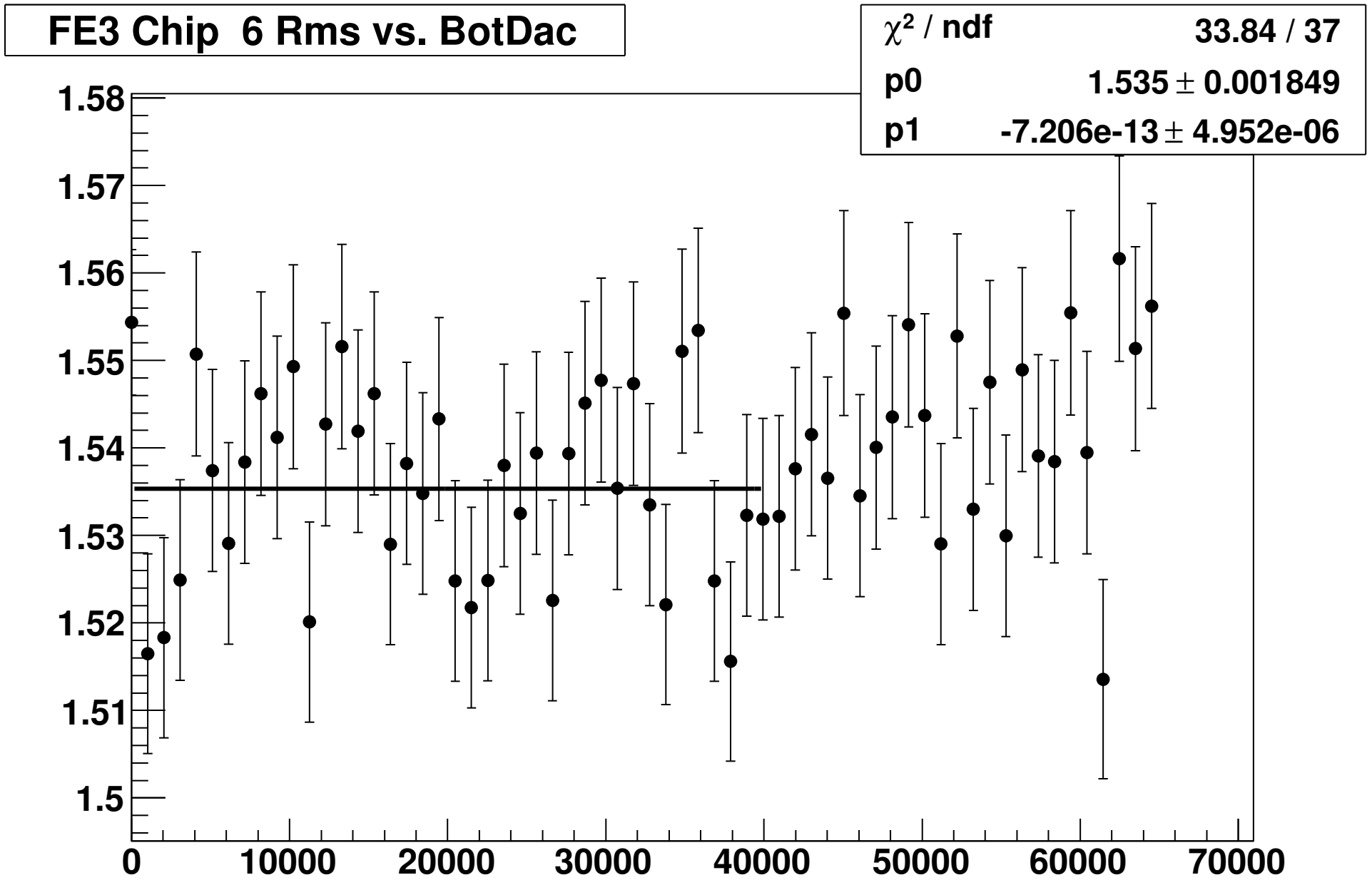
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 33.84 / 37
p0 1.535 ± 0.001849
p1 -7.206e-13 ± 4.952e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
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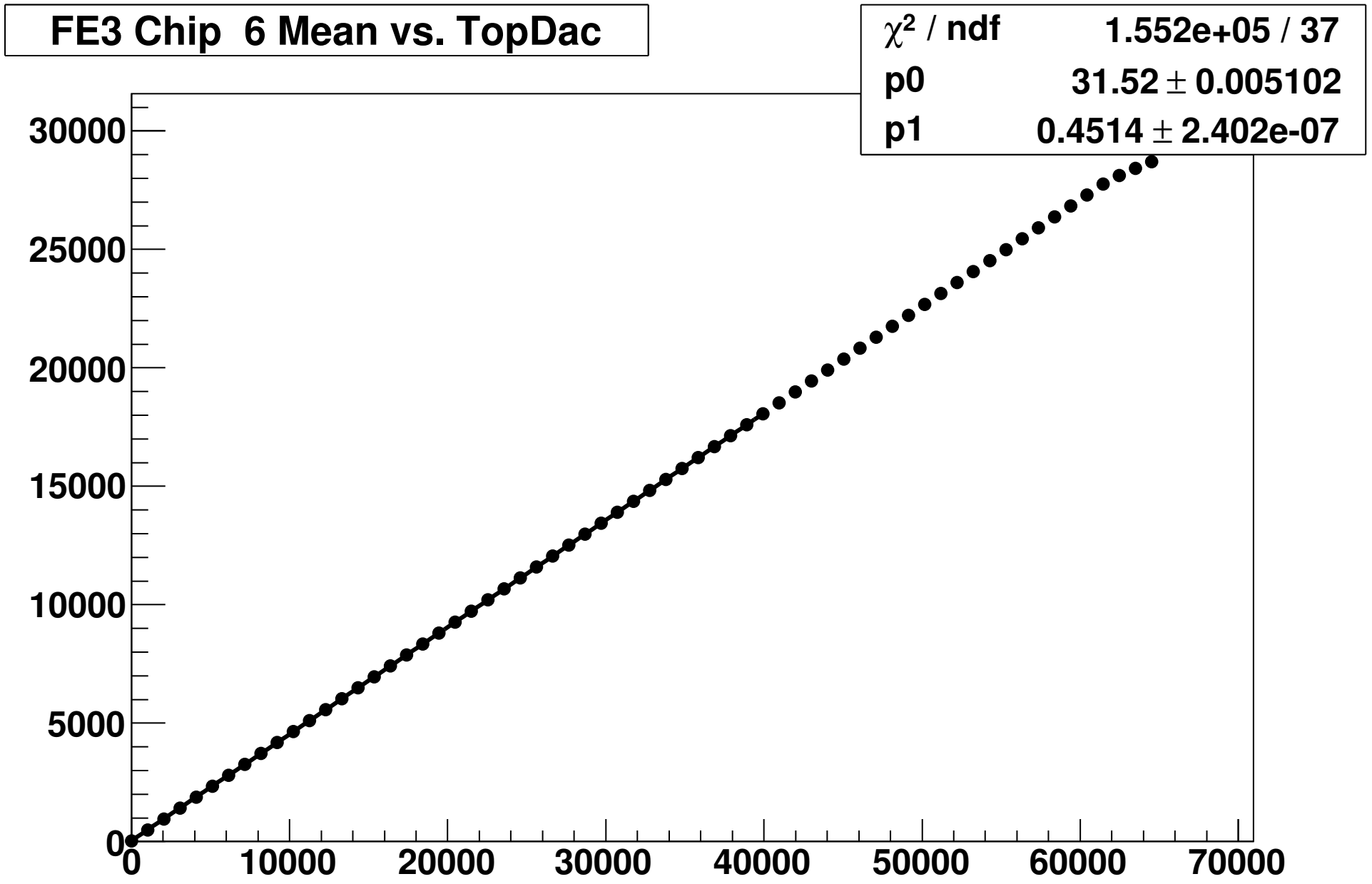
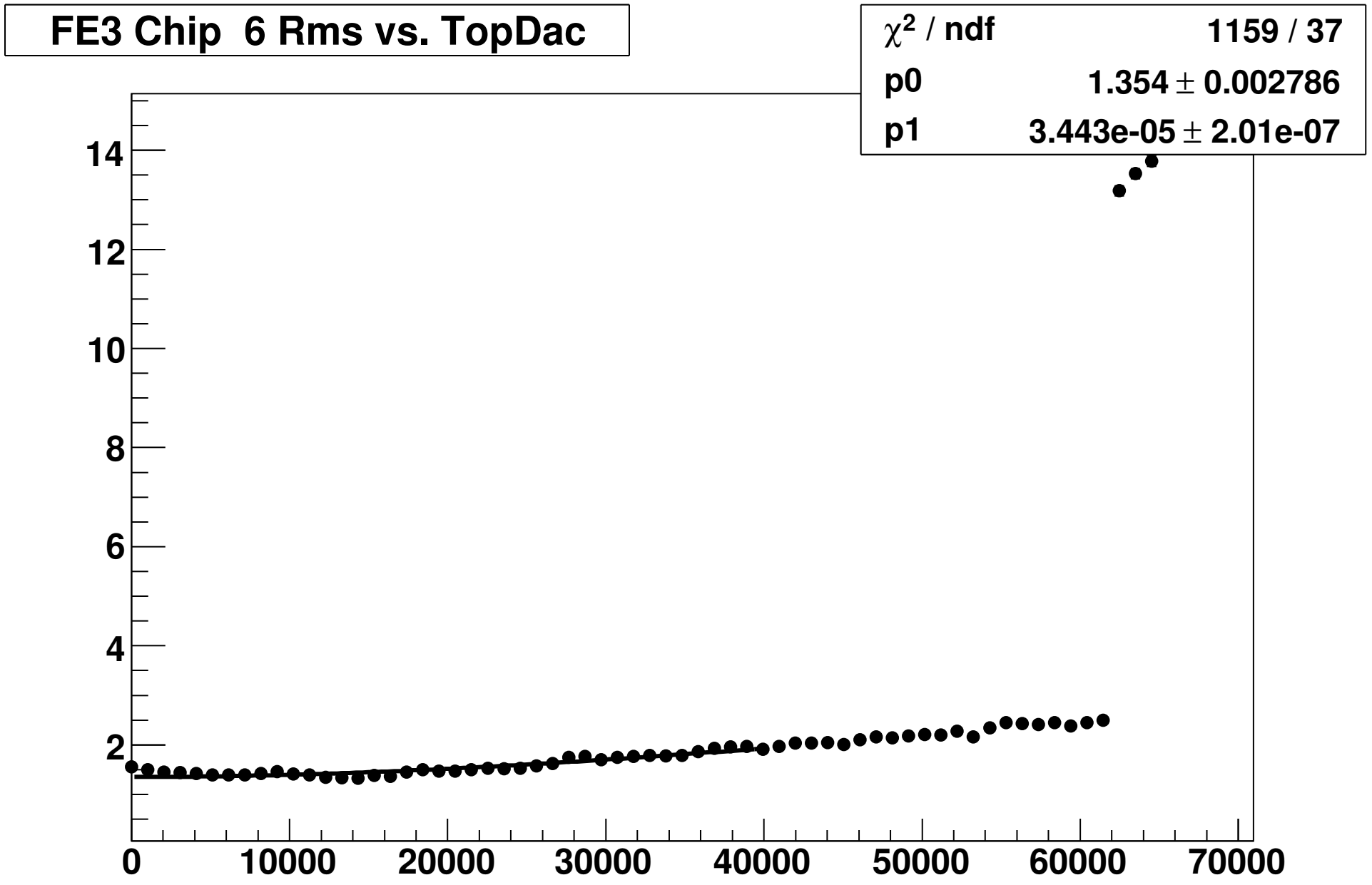

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 1.552e+05 / 37
p0 31.52 ± 0.005102
p1 0.4514 ± 2.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1159 / 37
p0 1.354 ± 0.002786
p1 3.443e-05 ± 2.01e-07
14
12
10
8
6
4
2
0
10000
20000
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50000
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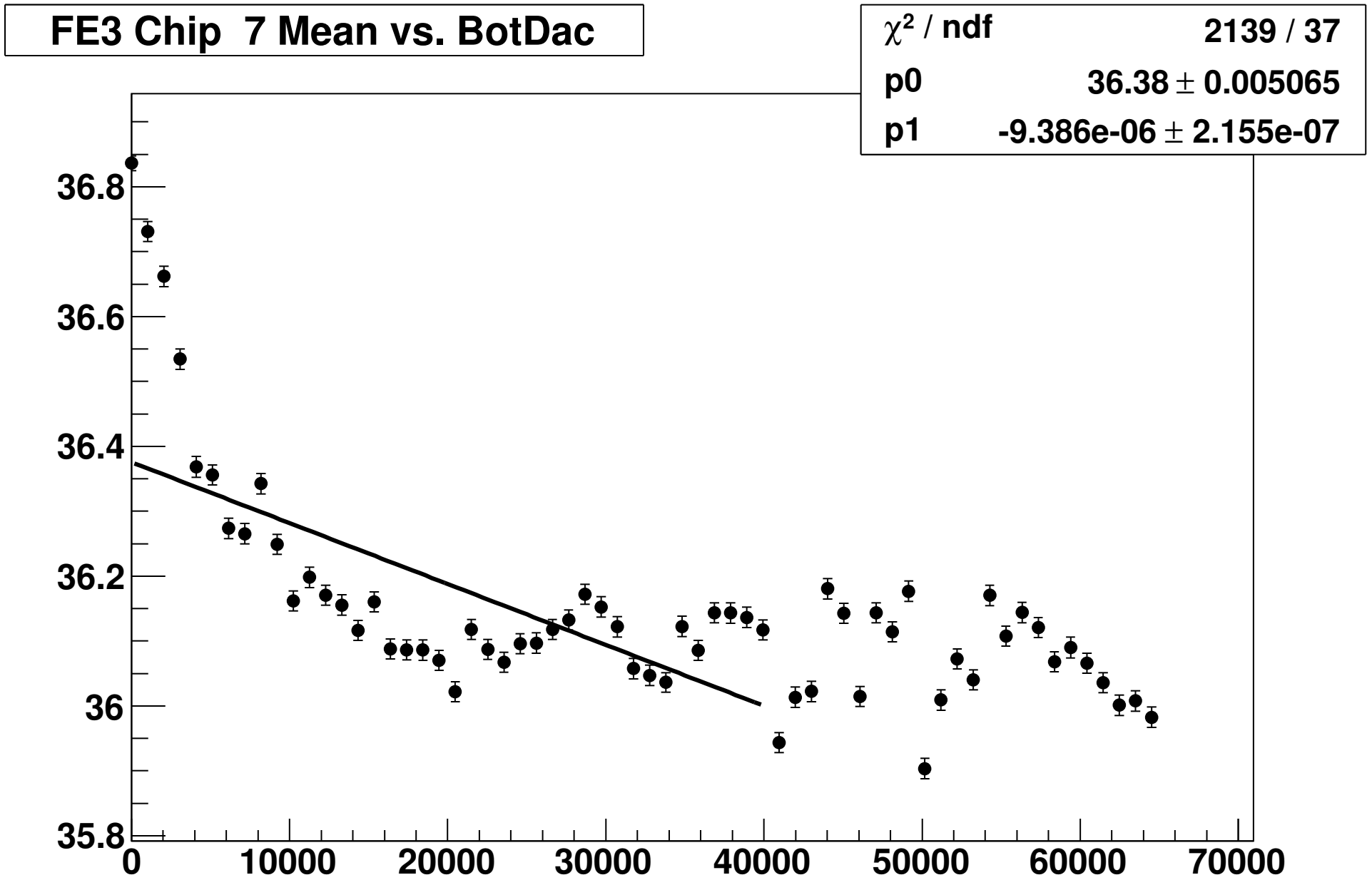
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 2139 / 37
p0 36.38 ± 0.005065
p1 -9.386e-06 ± 2.155e-07
36.8
36.6
36.4
36.2
36
35.8
0
10000
20000
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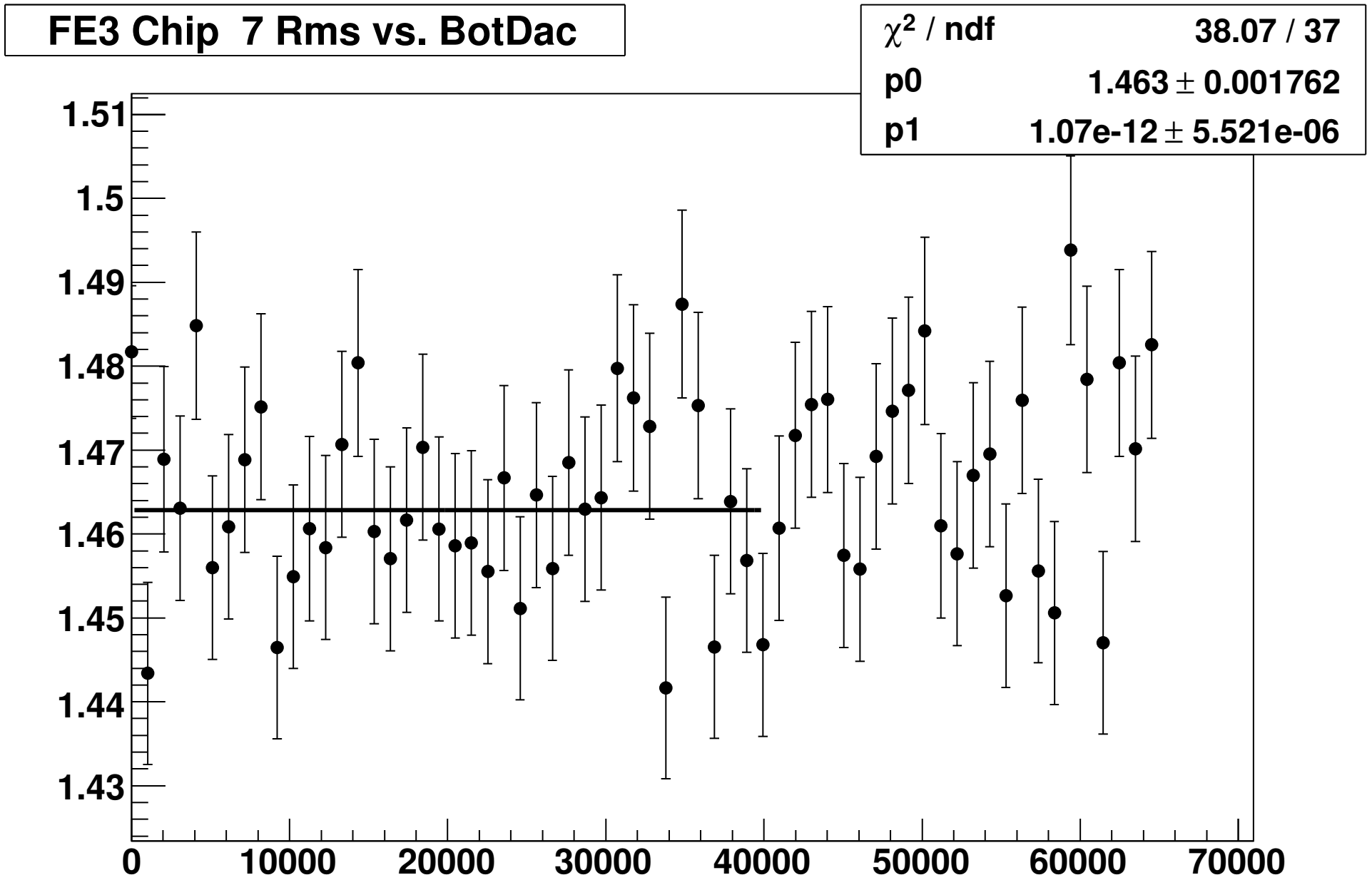
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 38.07 / 37
p0 1.463 ± 0.001762
p1 1.07e-12 ± 5.521e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
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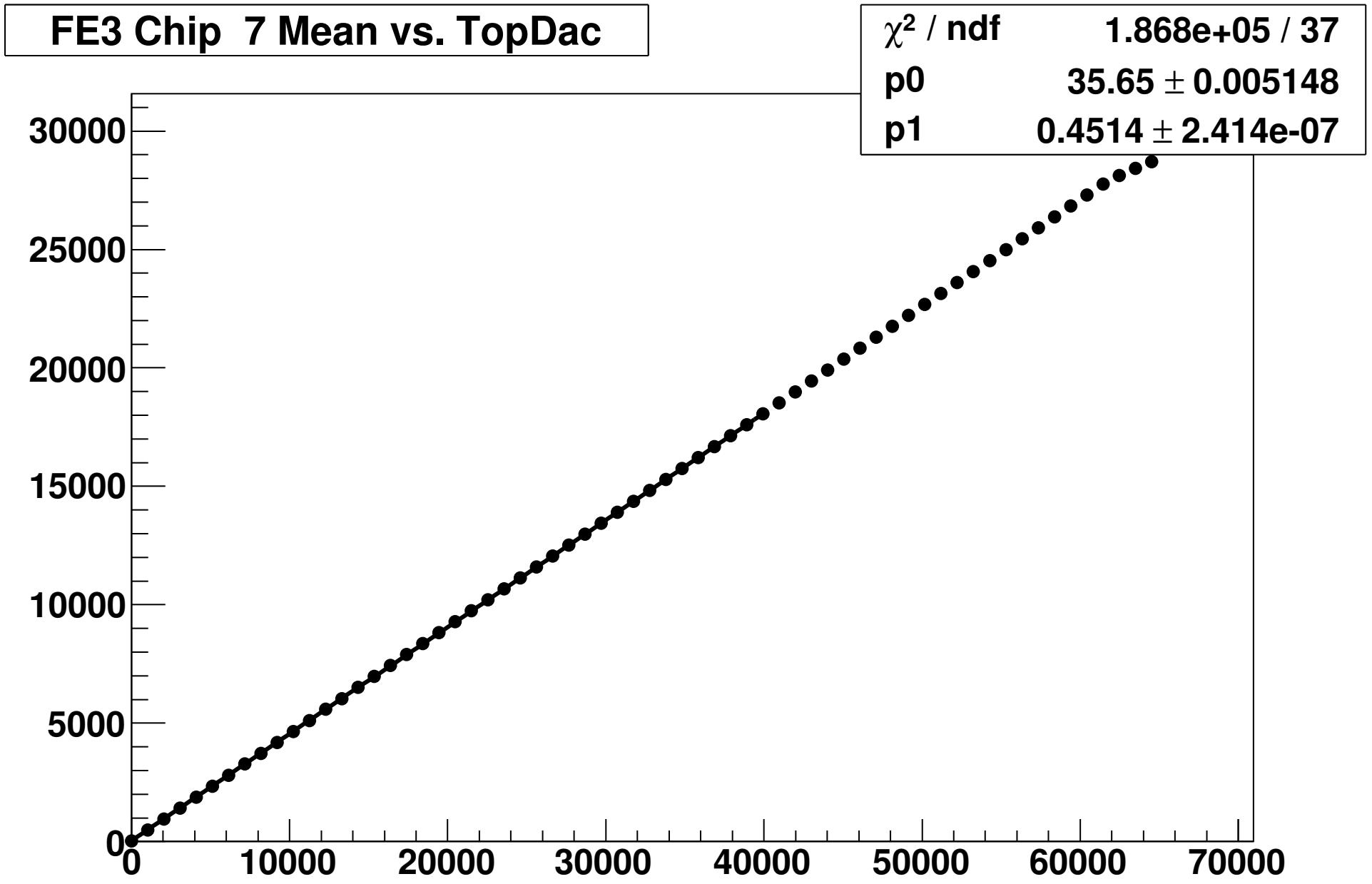
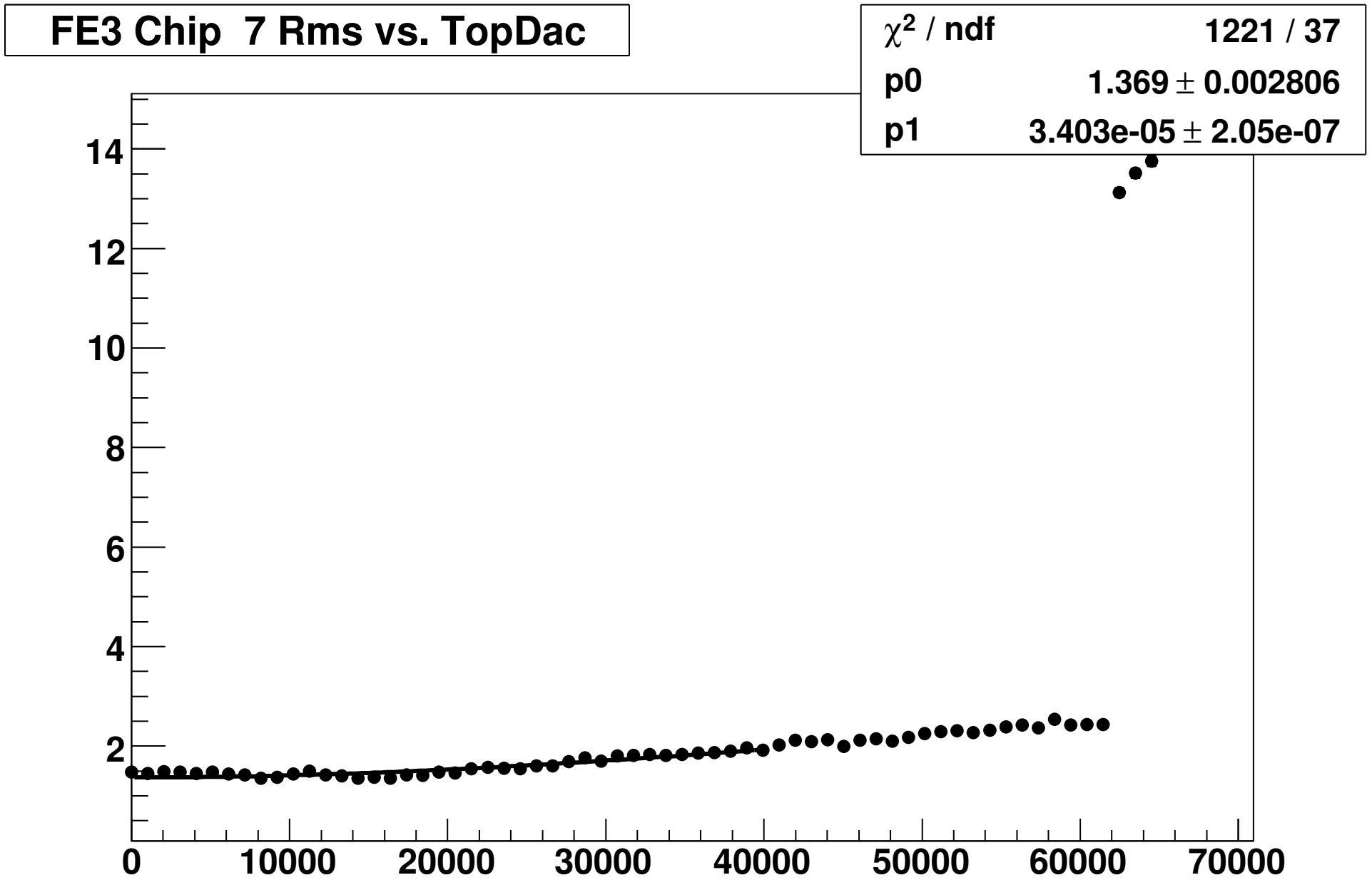
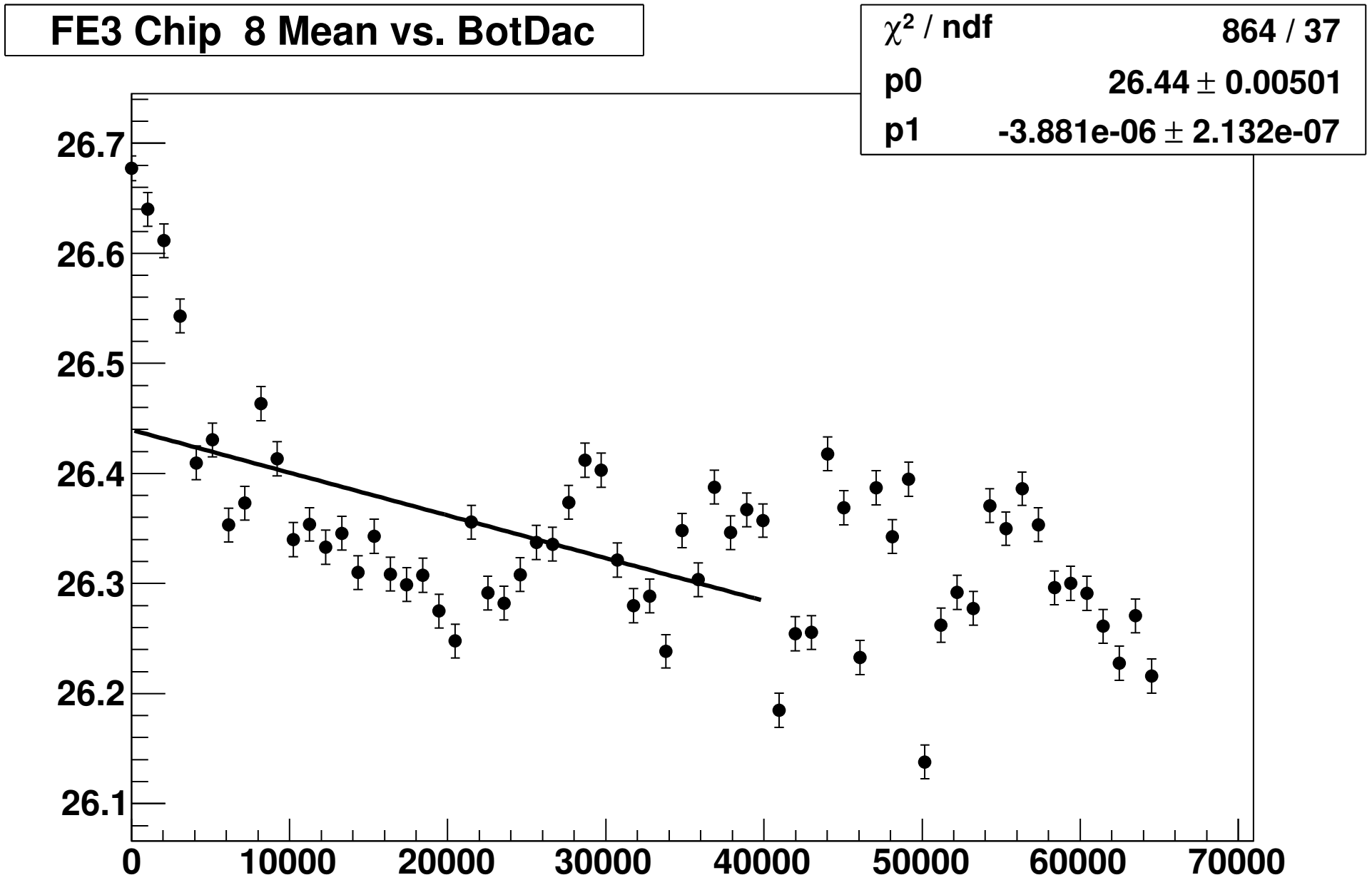
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.868e+05 / 37
p0 35.65 ± 0.005148
p1 0.4514 ± 2.414e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 1221 / 37
p0 1.369 ± 0.002806
p1 3.403e-05 ± 2.05e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 864 / 37
p0 26.44 ± 0.00501
p1 -3.881e-06 ± 2.132e-07
26.7
26.6
26.5
26.4
26.3
26.2
26.1
0
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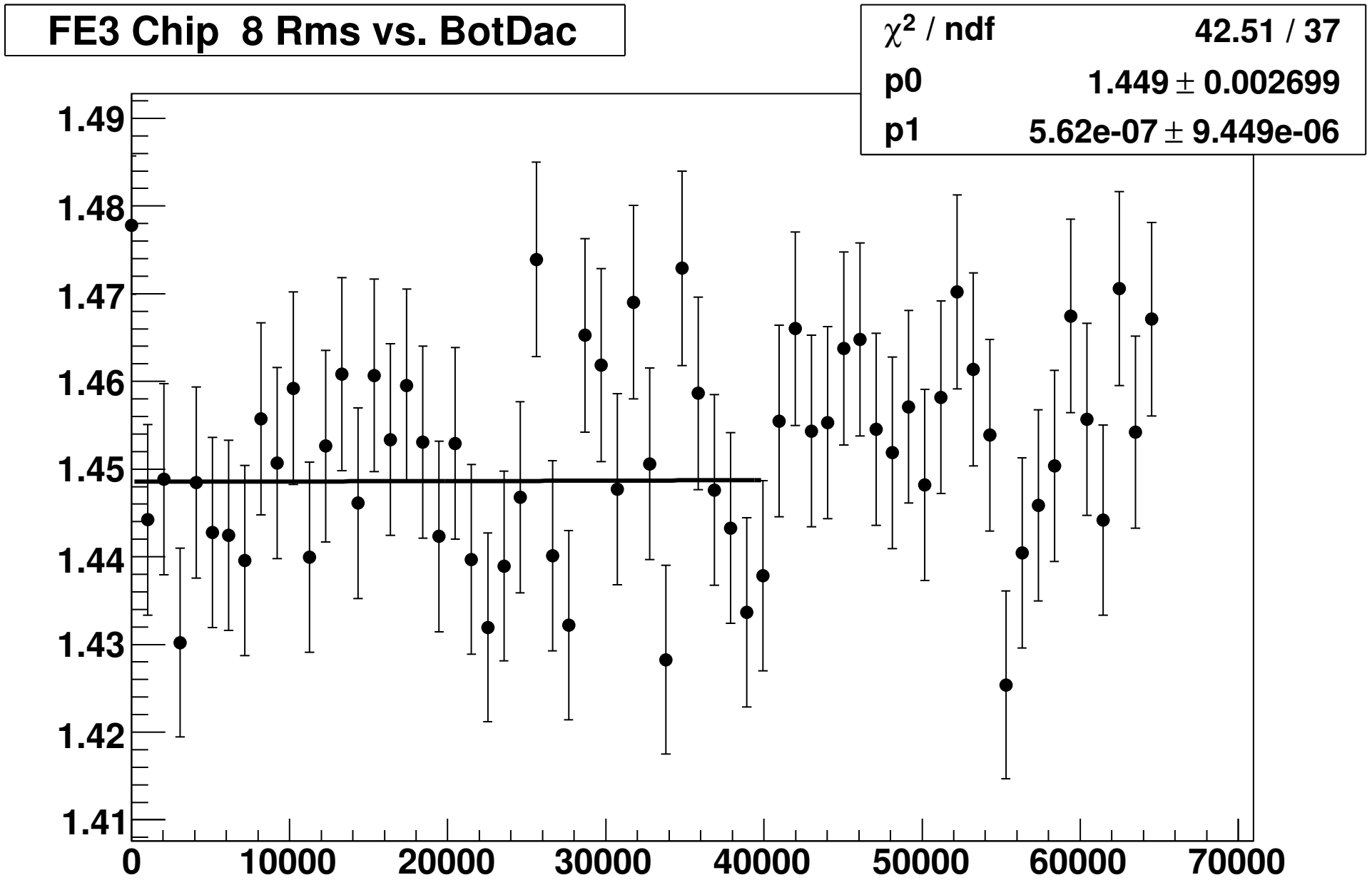
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 42.51 / 37
p0 1.449 ± 0.002699
p1 5.62e-07 ± 9.449e-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
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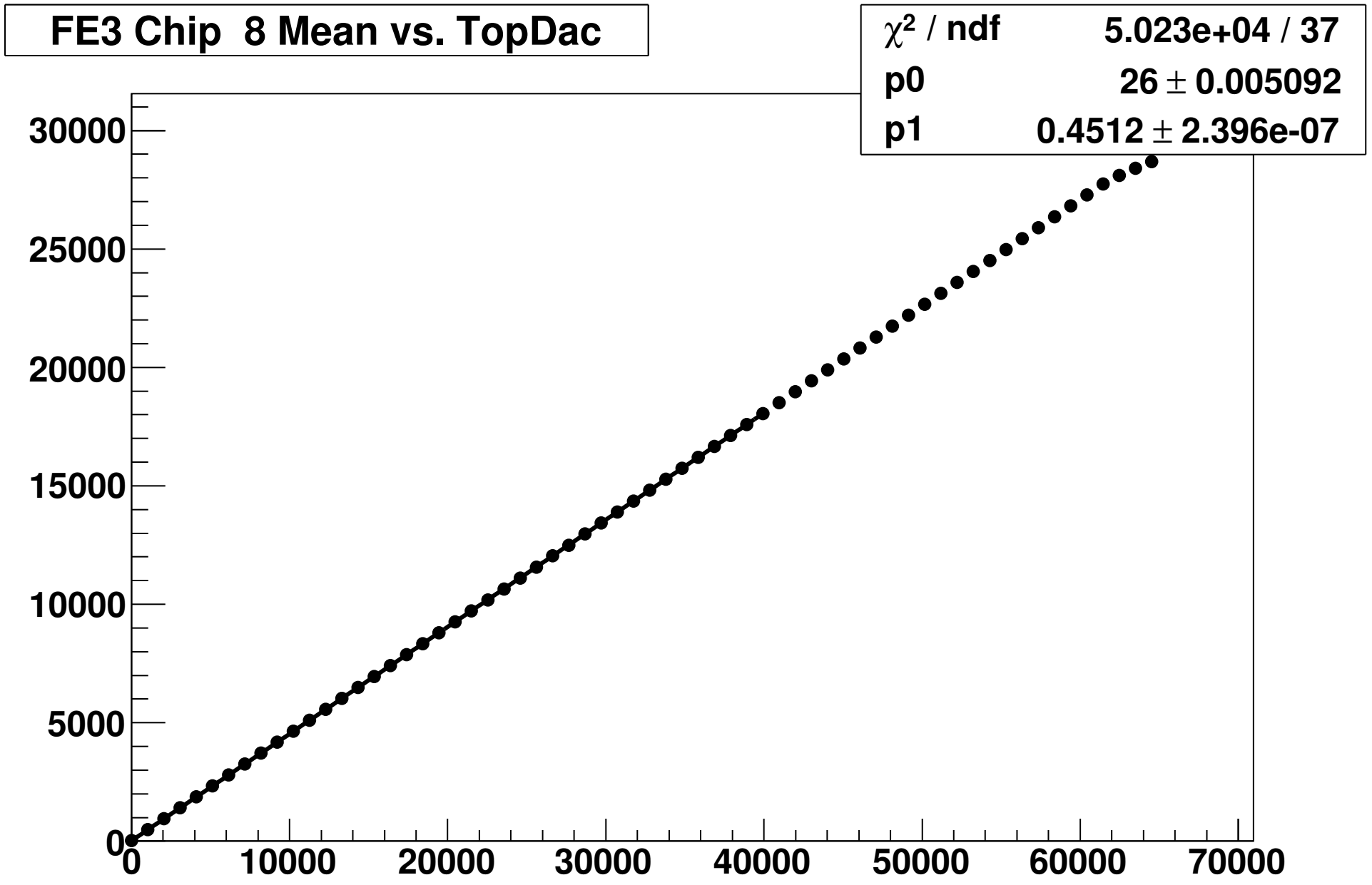
FE3 Chip 8 Mean vs. TopDac
χ² / ndf 5.023e+04 / 37
p0 26 ± 0.005092
p1 0.4512 ± 2.396e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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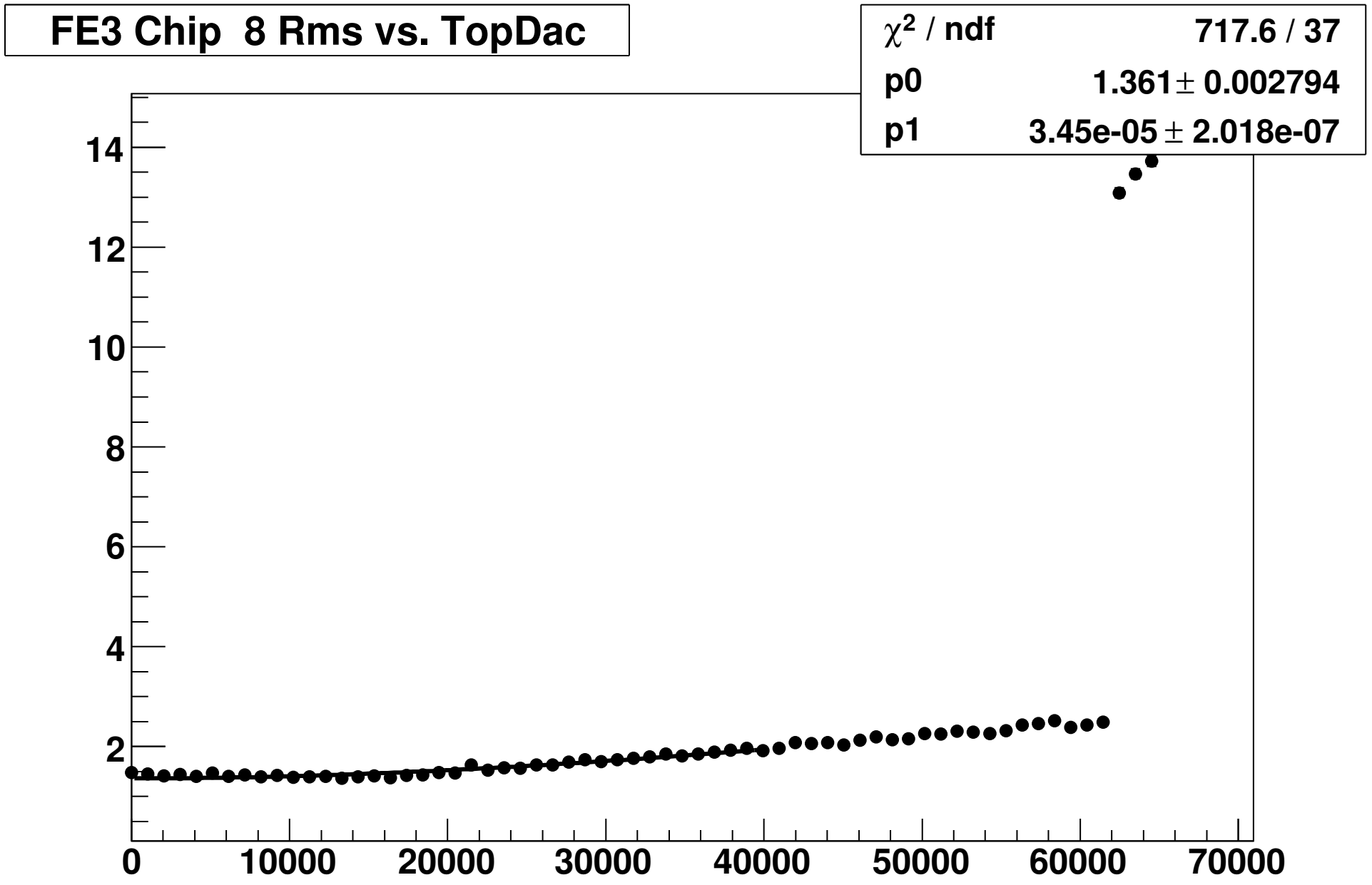
FE3 Chip 8 Rms vs. TopDac
χ² / ndf 717.6 / 37
p0 1.361 ± 0.002794
p1 3.45e-05 ± 2.018e-07
14
12
10
8
6
4
2
0
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20000
30000
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60000
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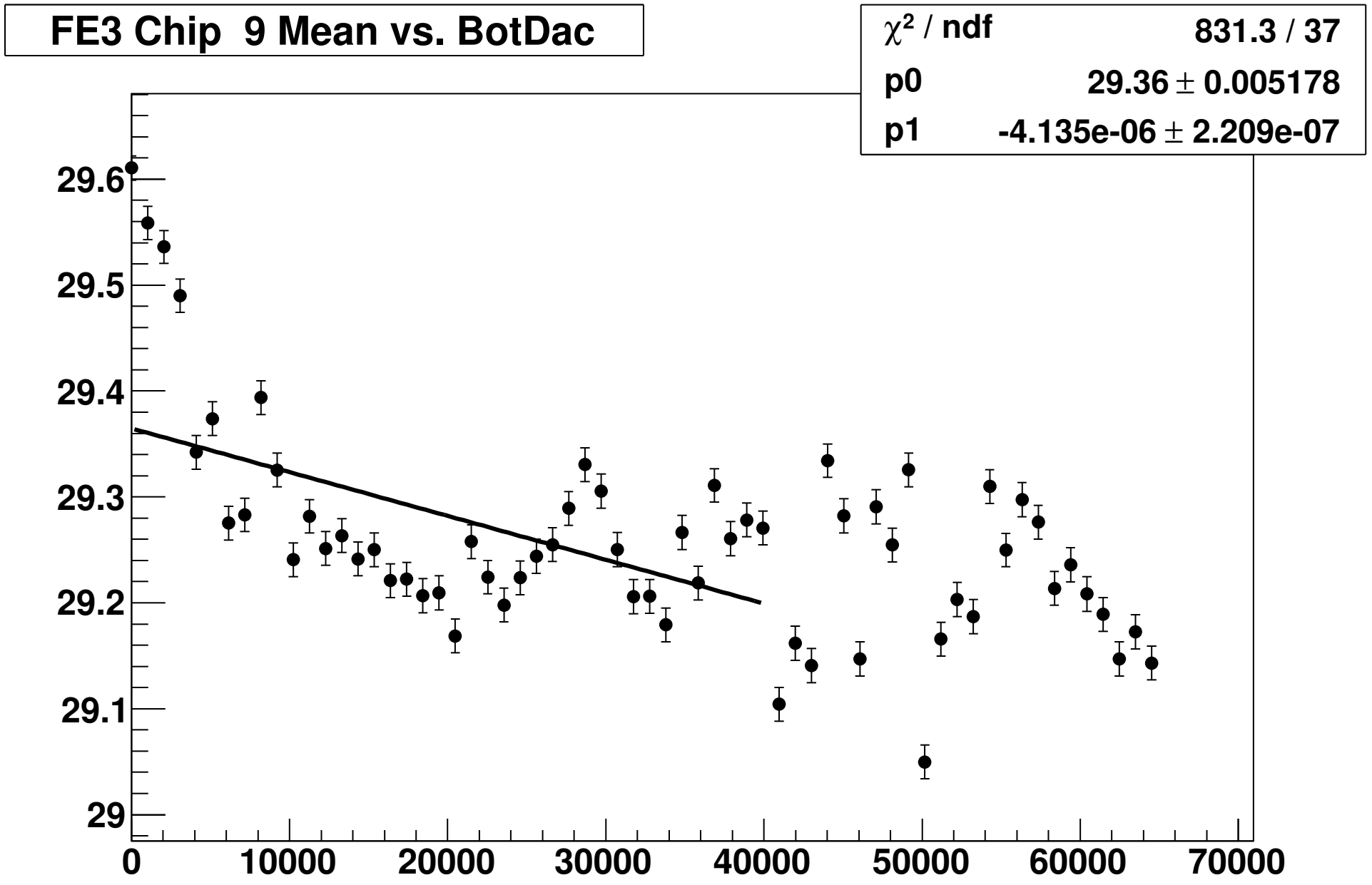
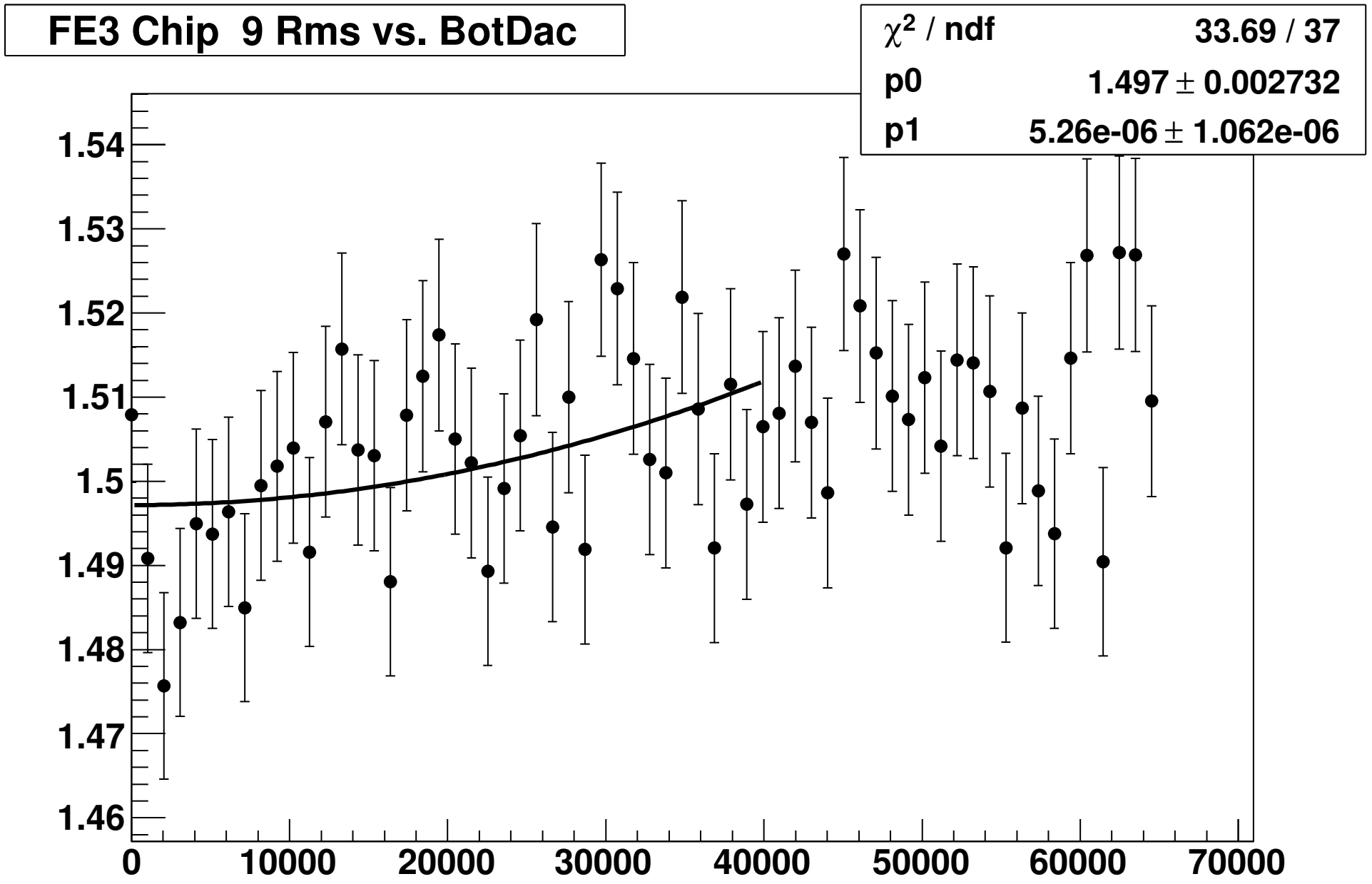
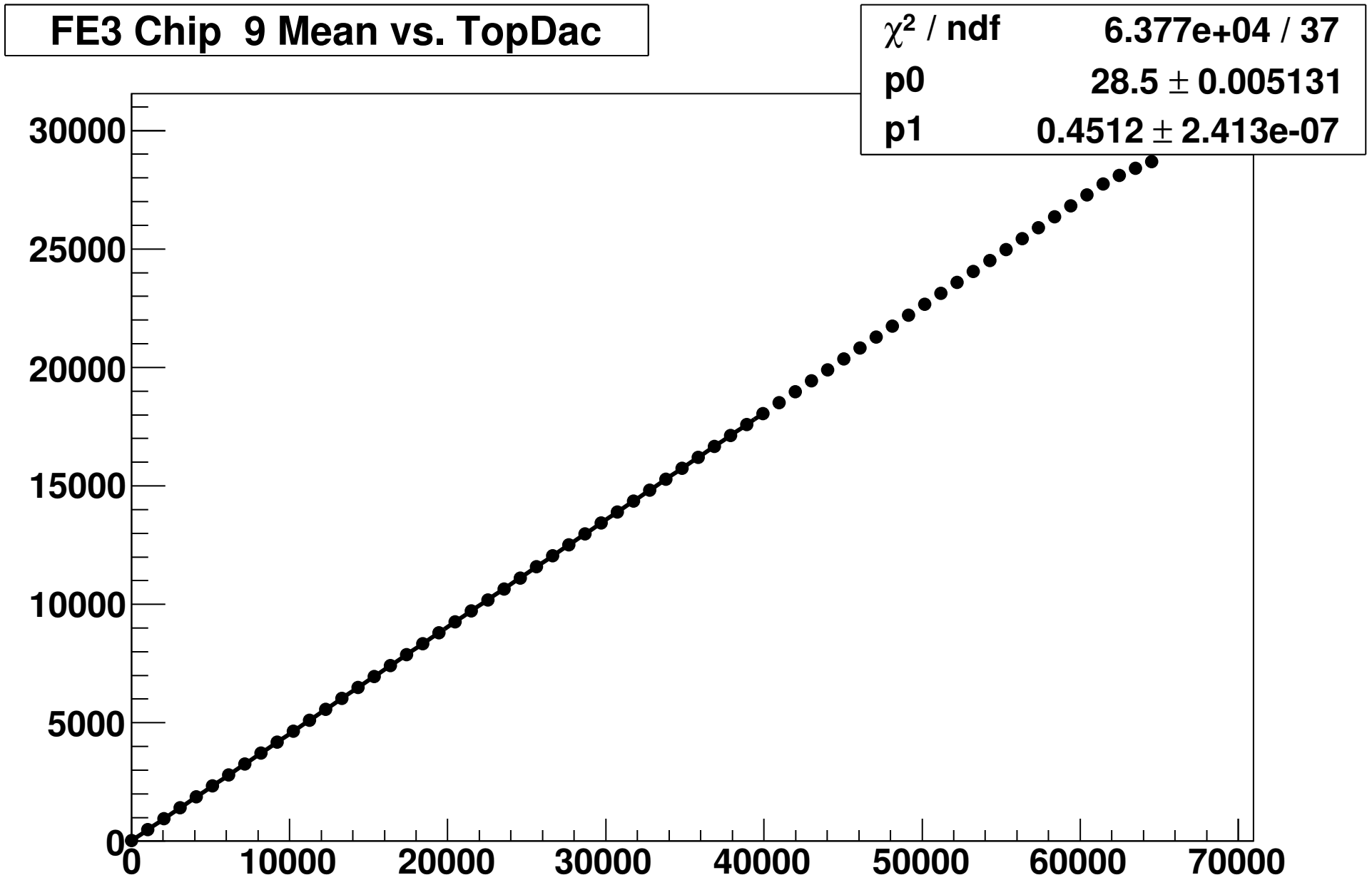

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 831.3 / 37
p0 29.36 ± 0.005178
p1 -4.135e-06 ± 2.209e-07
29.6
29.5
29.4
29.3
29.2
29.1
29
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 33.69 / 37
p0 1.497 ± 0.002732
p1 5.26e-06 ± 1.062e-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 9 Mean vs. TopDac
χ² / ndf 6.377e+04 / 37
p0 28.5 ± 0.005131
p1 0.4512 ± 2.413e-07
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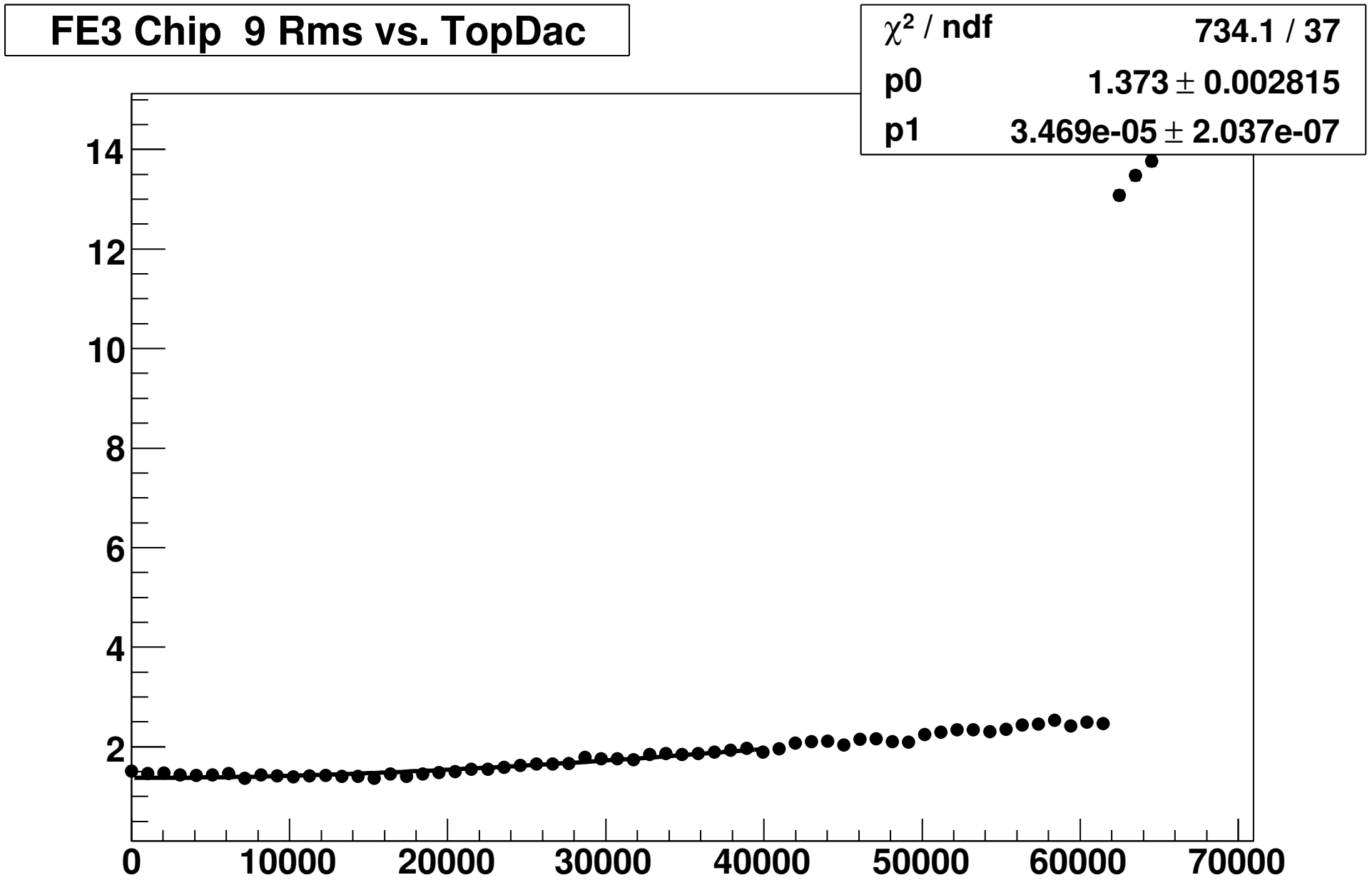
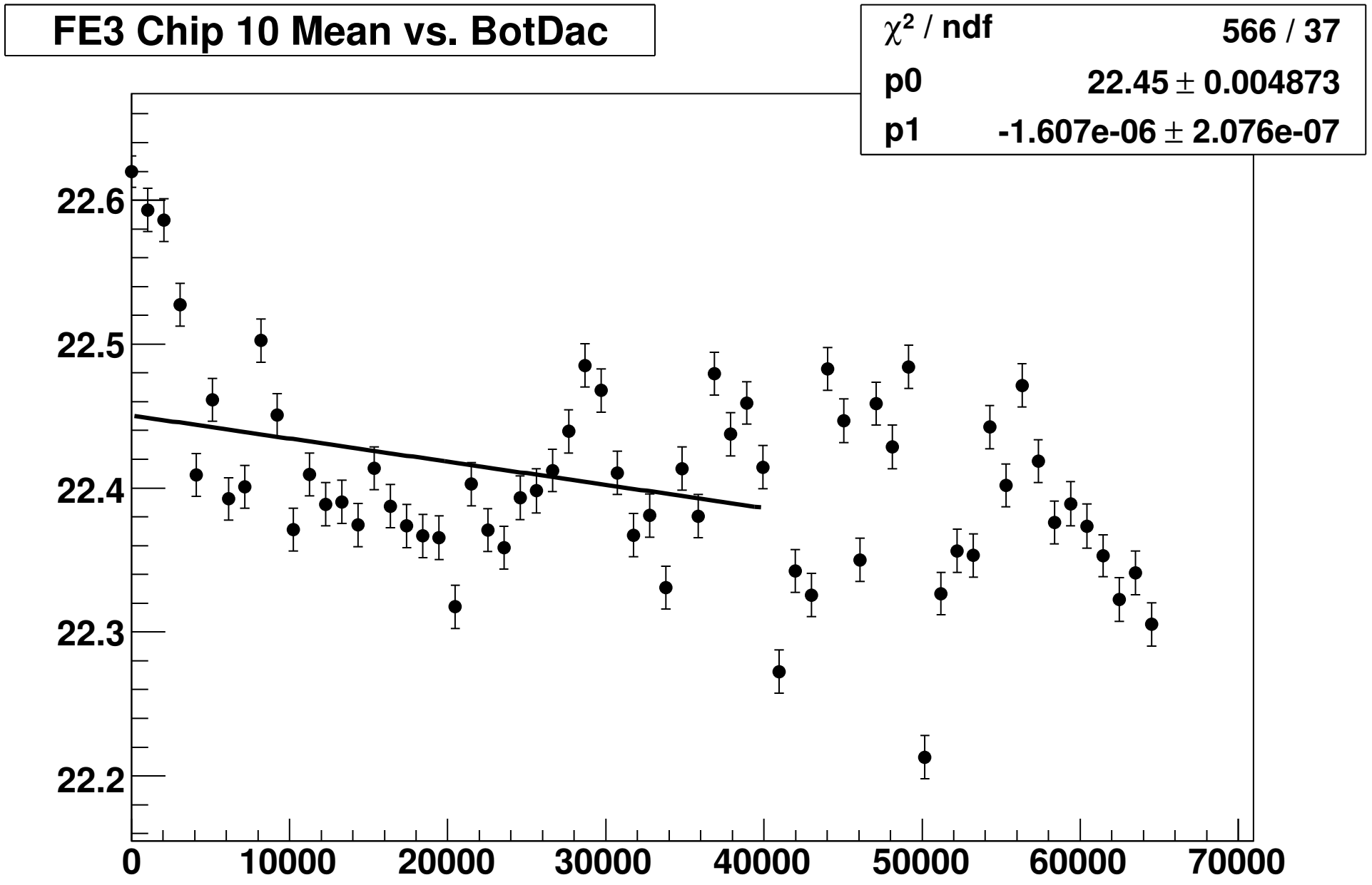
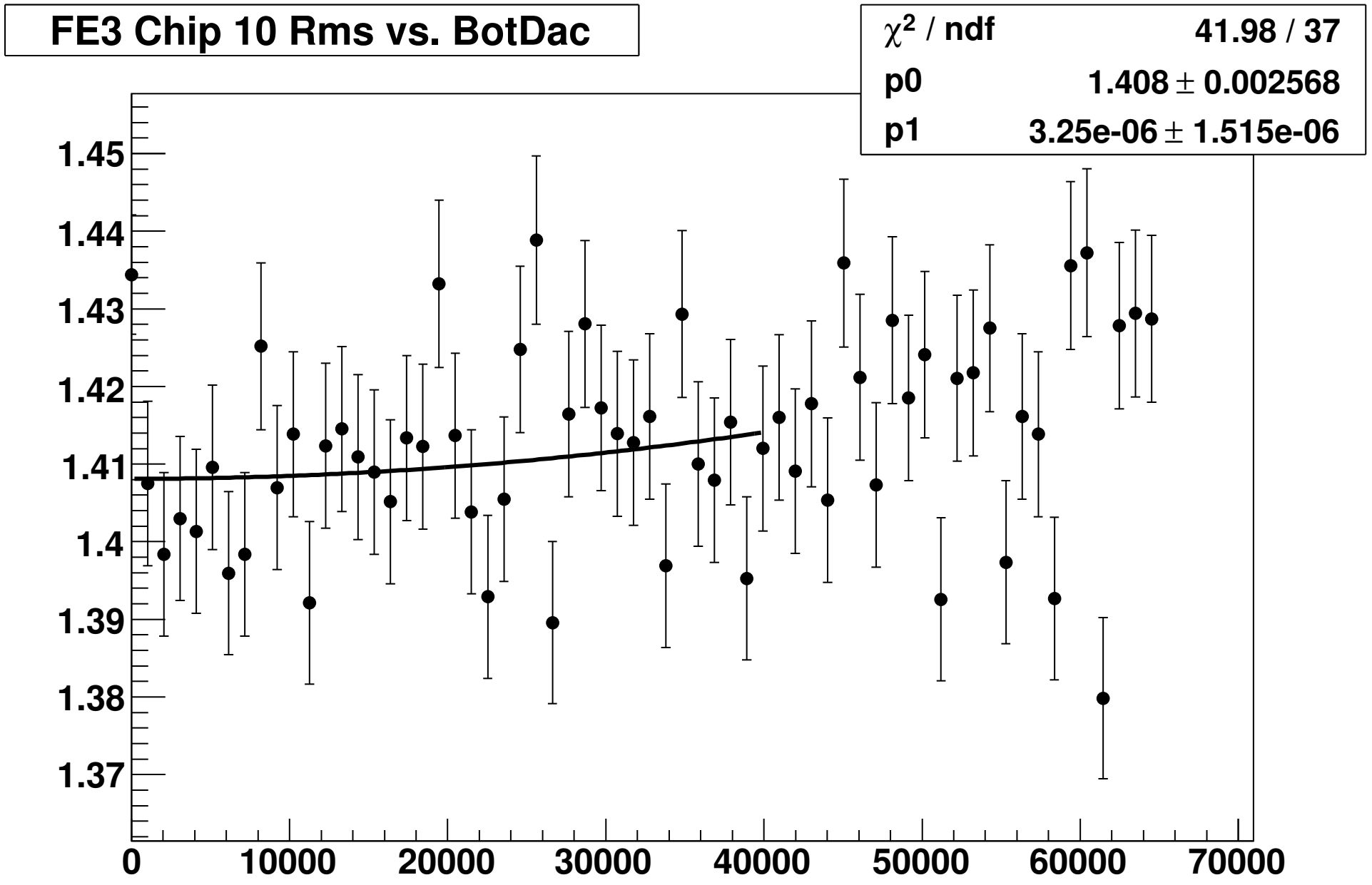
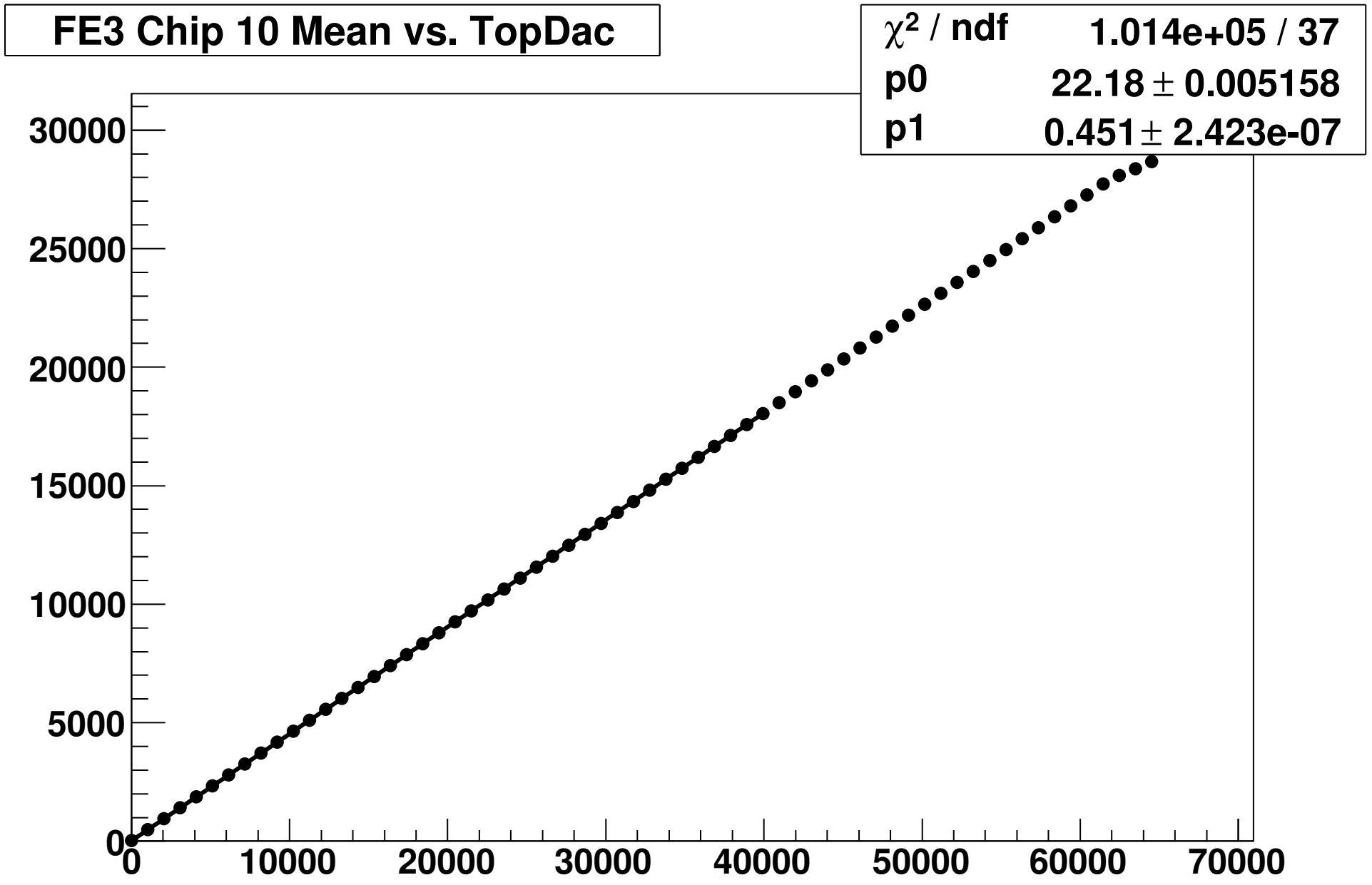
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 734.1 / 37
p0 1.373 ± 0.002815
p1 3.469e-05 ± 2.037e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 566 / 37
p0 22.45 ± 0.004873
p1 -1.607e-06 ± 2.076e-07
22.6
22.5
22.4
22.3
22.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 41.98 / 37
p0 1.408 ± 0.002568
p1 3.25e-06 ± 1.515e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 1.014e+05 / 37
p0 22.18 ± 0.005158
p1 0.451 ± 2.423e-07
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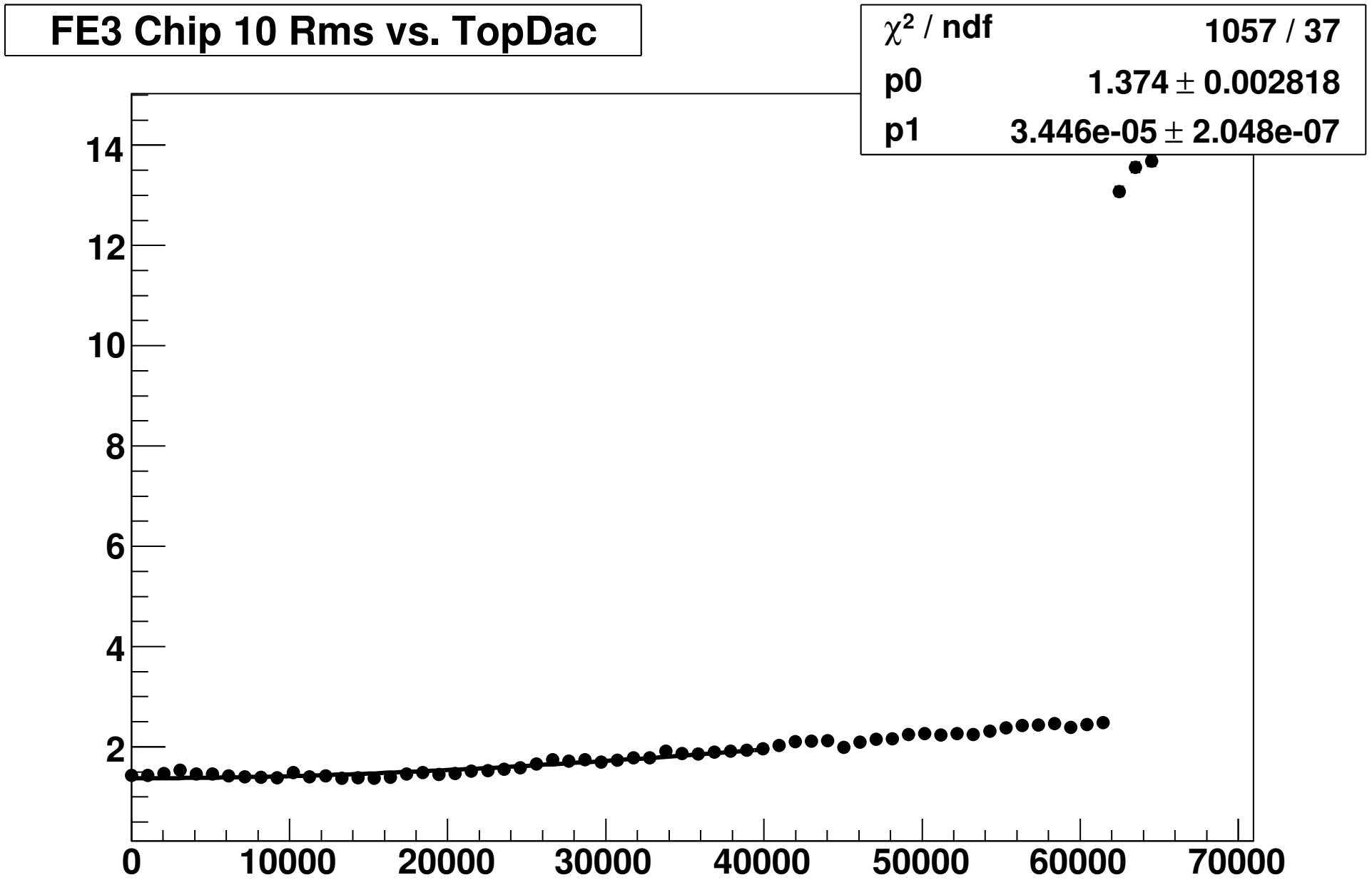
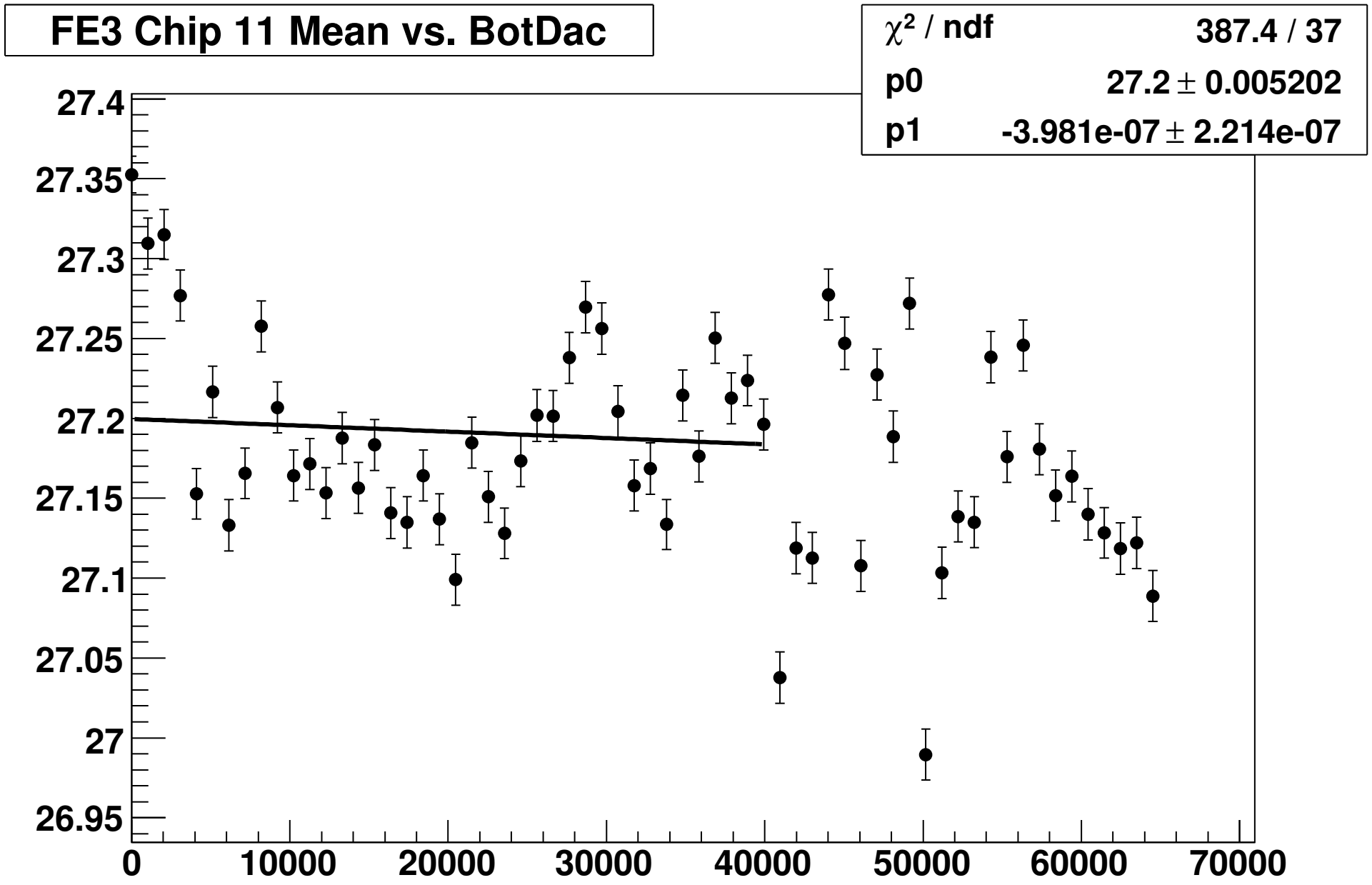
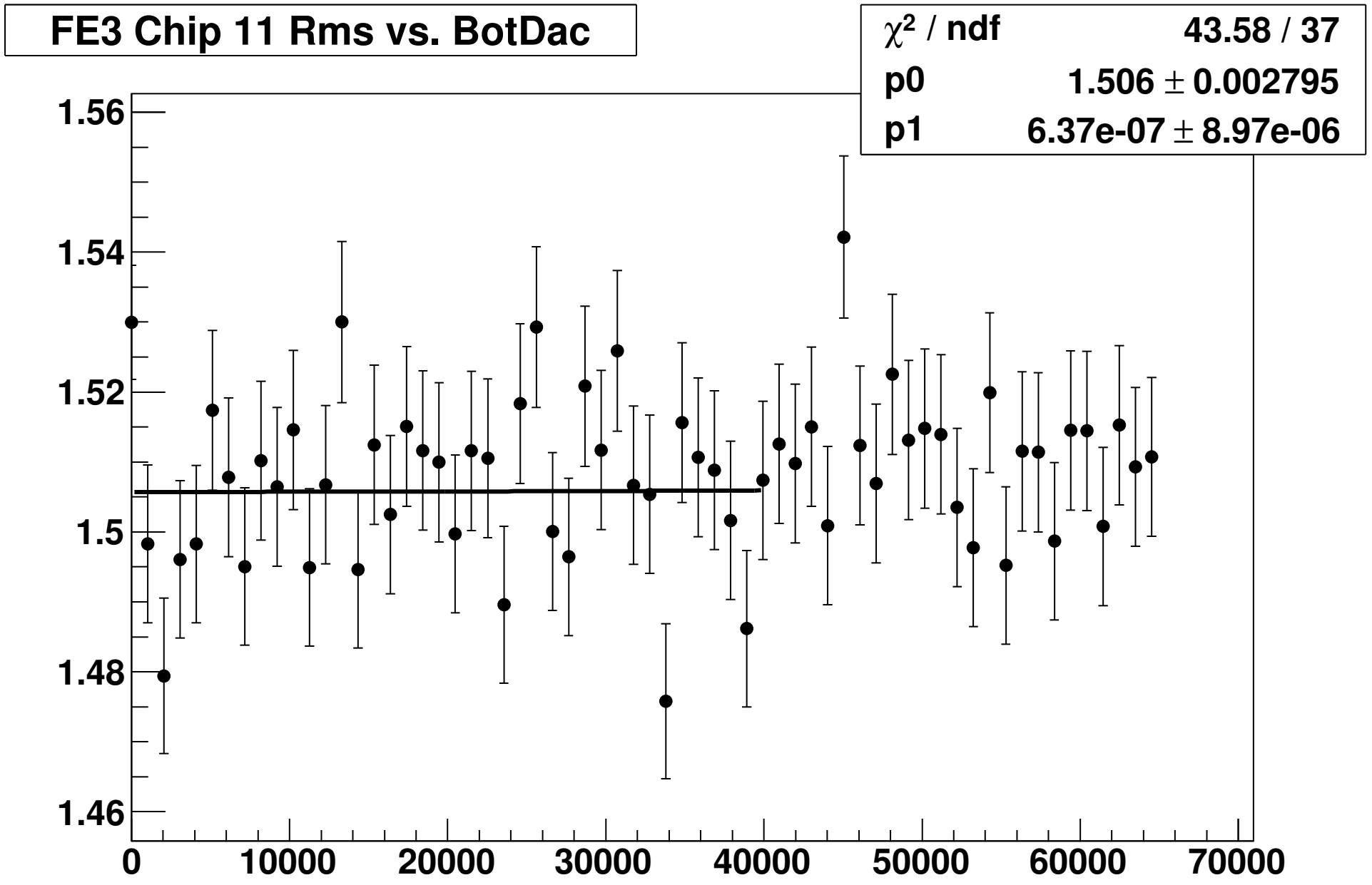
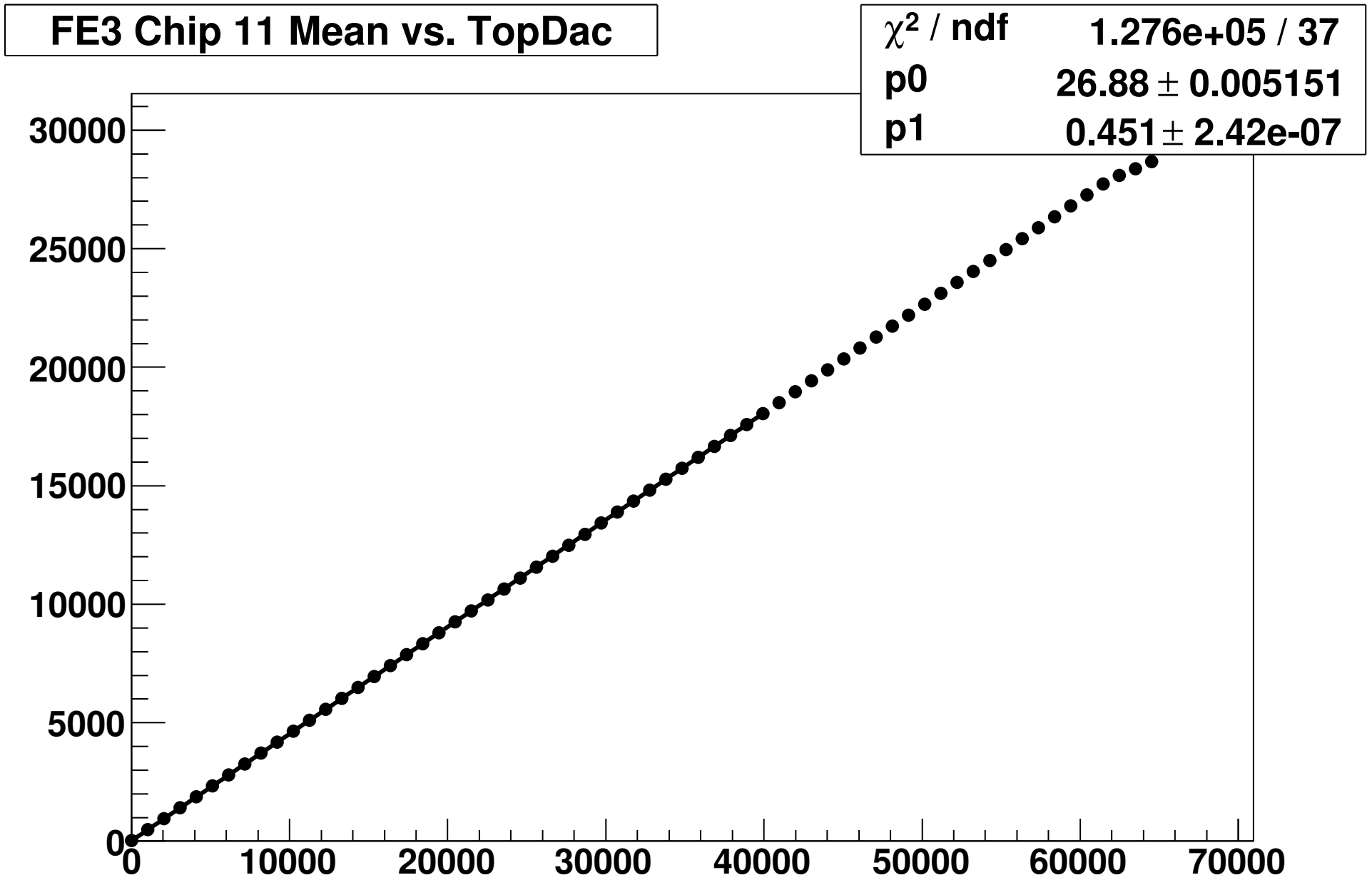
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 1057 / 37
p0 1.374 ± 0.002818
p1 3.446e-05 ± 2.048e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 387.4 / 37
p0 27.2 ± 0.005202
p1 -3.981e-07 ± 2.214e-07
27.4
27.35
27.3
27.25
27.2
27.15
27.1
27.05
27
26.95
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 43.58 / 37
p0 1.506 ± 0.002795
p1 6.37e-07 ± 8.97e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. TopDac
χ² / ndf 1.276e+05 / 37
p0 26.88 ± 0.005151
p1 0.451 ± 2.42e-07
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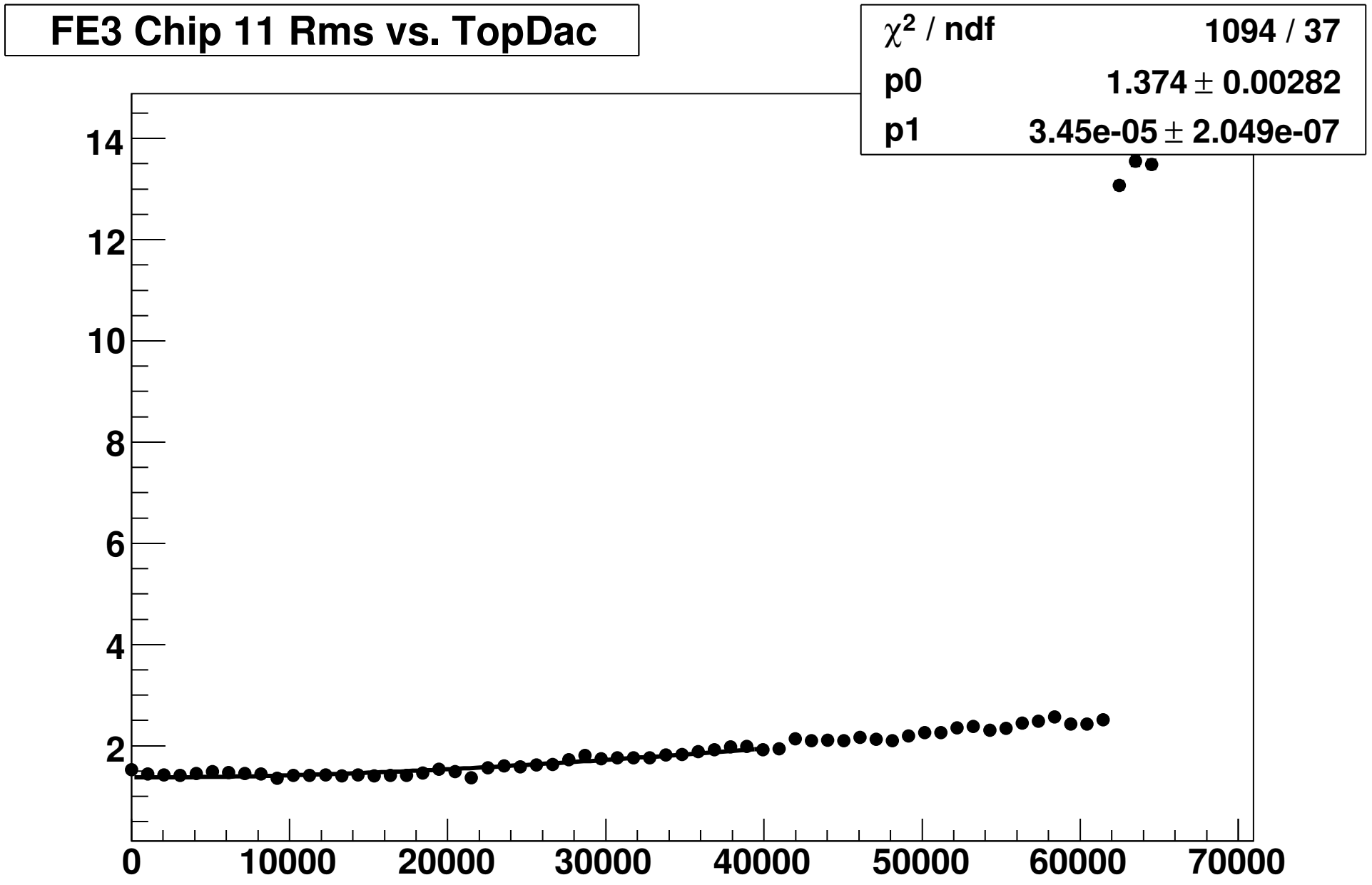
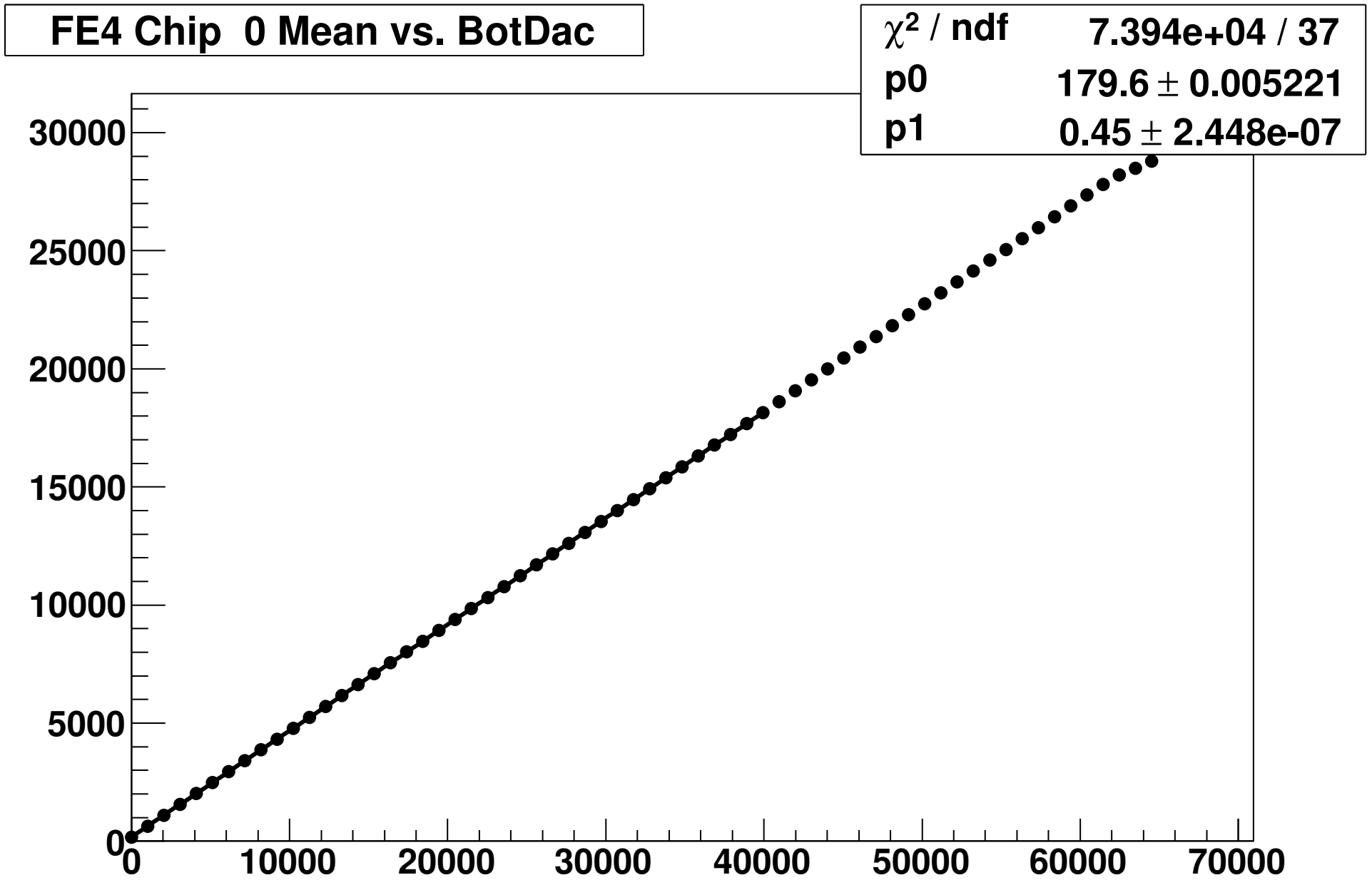
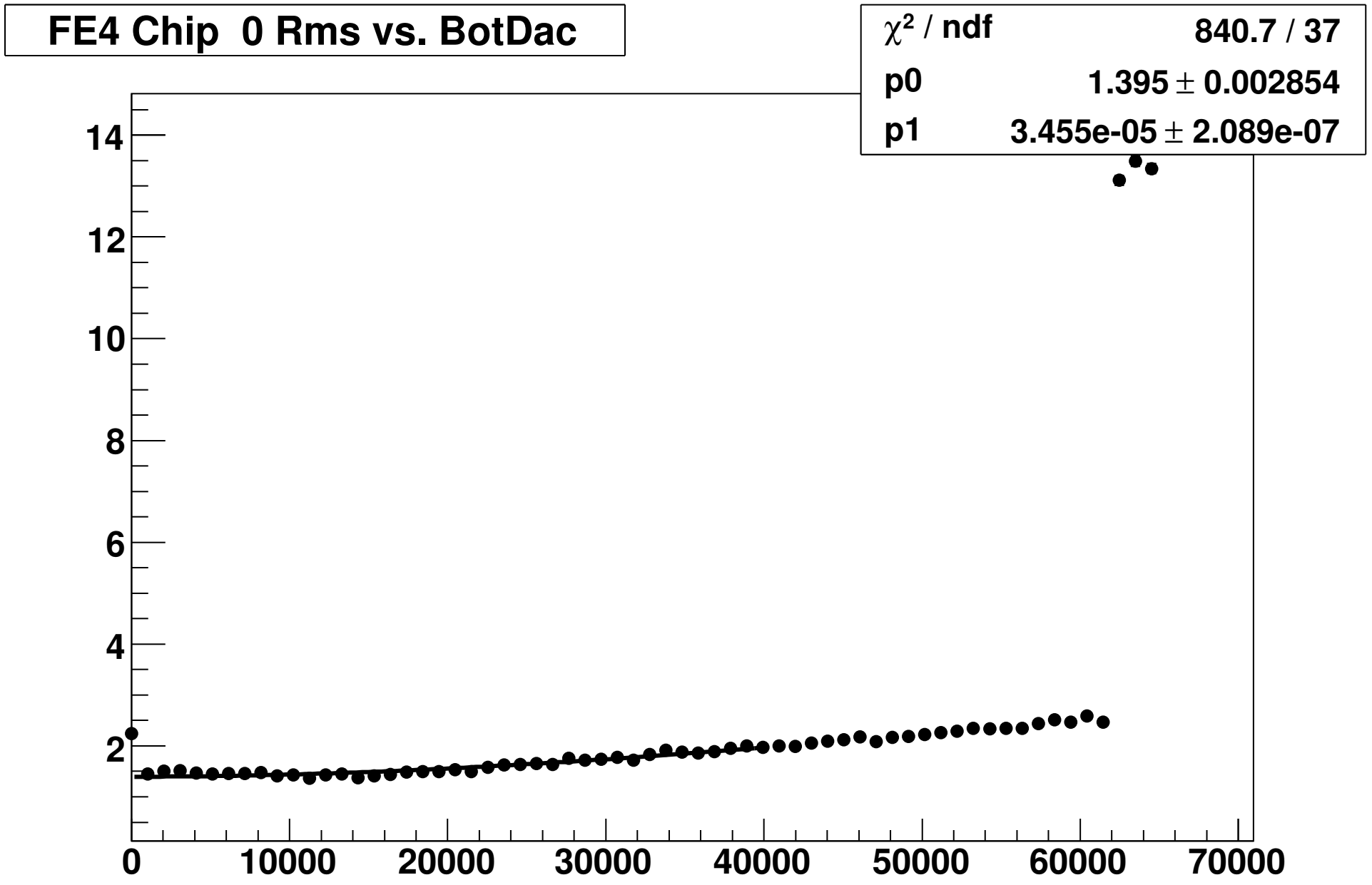
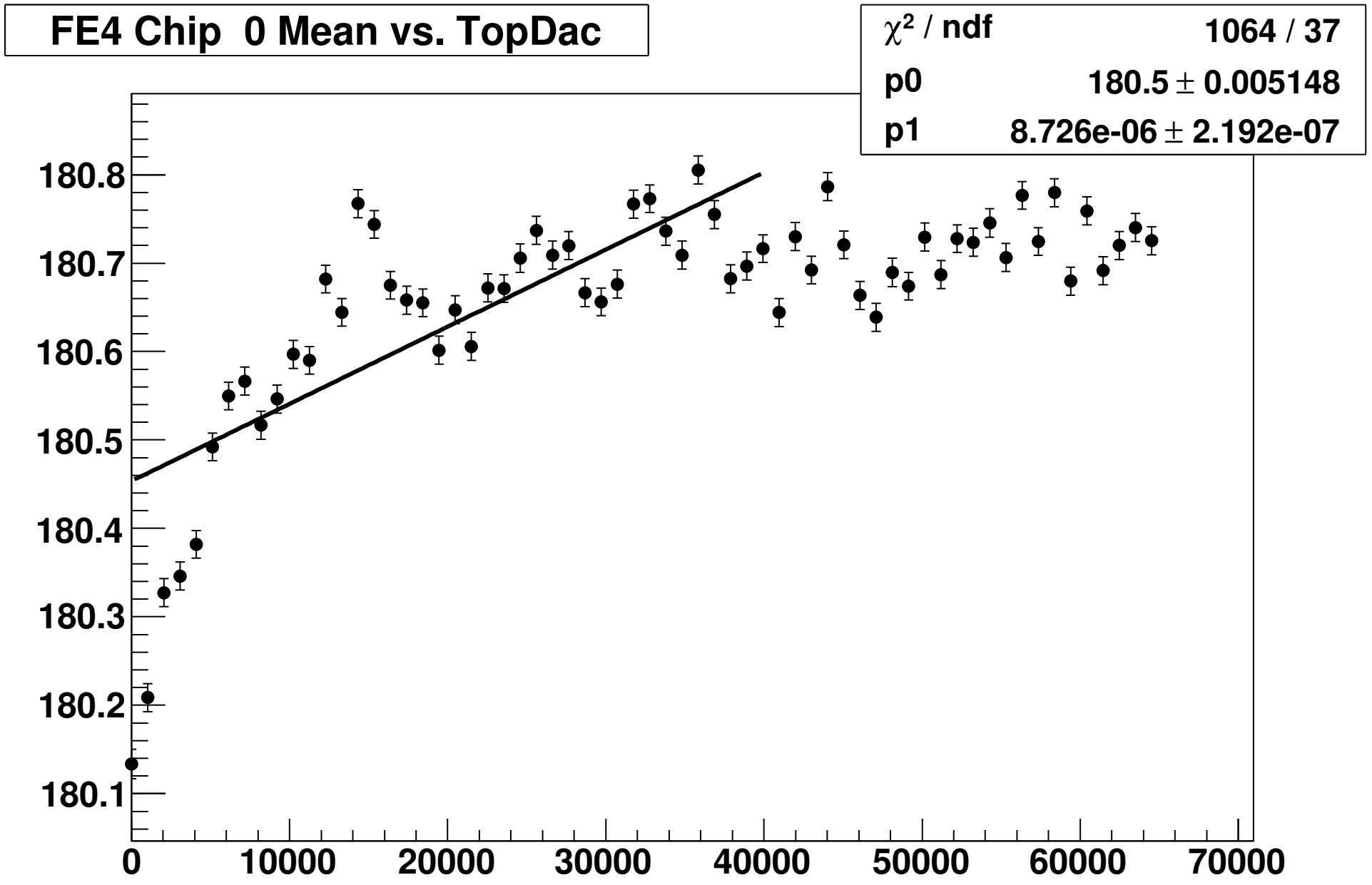
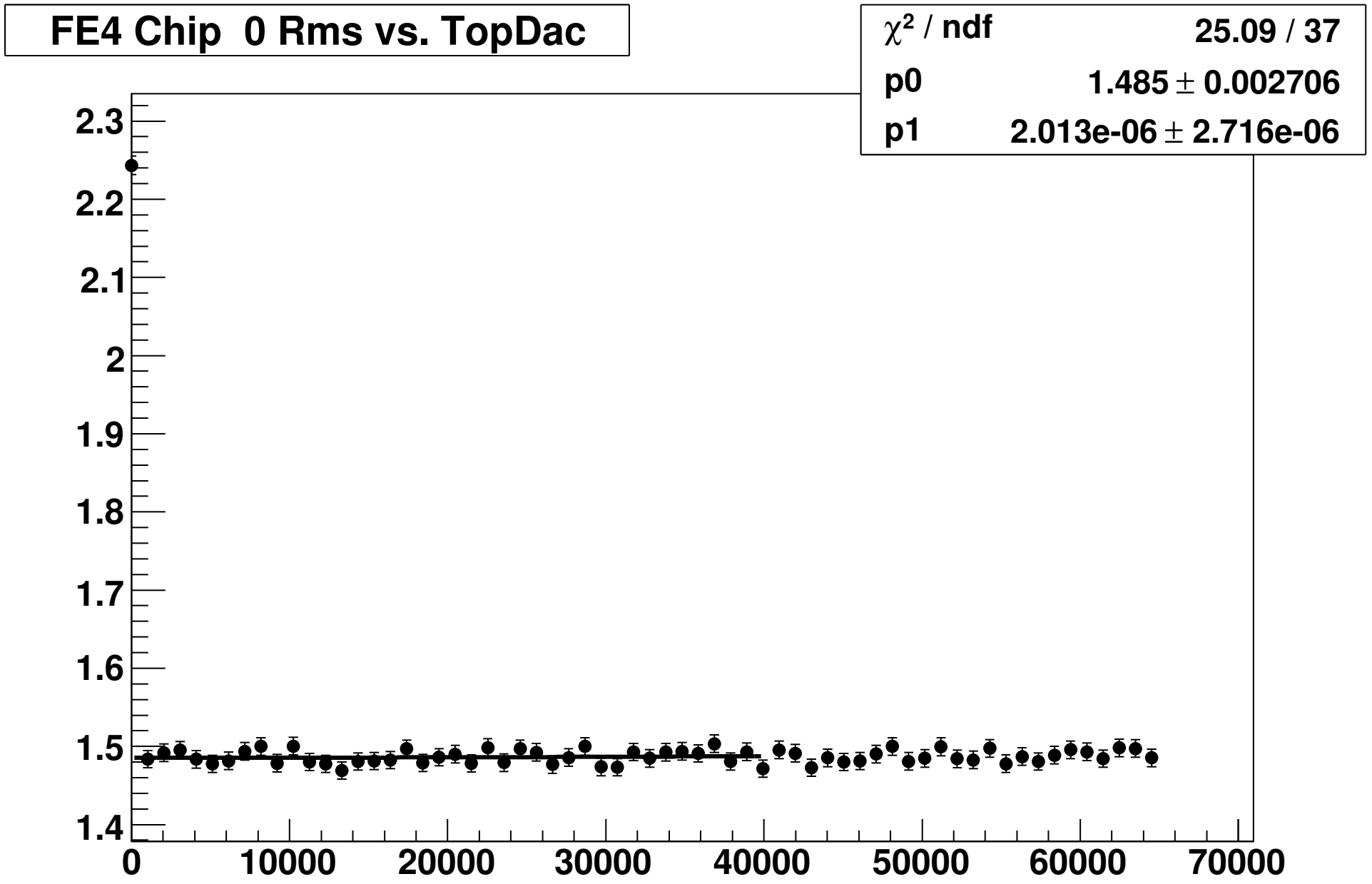
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1094 / 37
p0 1.374 ± 0.00282
p1 3.45e-05 ± 2.049e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 7.394e+04 / 37
p0 179.6 ± 0.005221
p1 0.45 ± 2.448e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 840.7 / 37
p0 1.395 ± 0.002854
p1 3.455e-05 ± 2.089e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 1064 / 37
p0 180.5 ± 0.005148
p1 8.726e-06 ± 2.192e-07
180.8
180.7
180.6
180.5
180.4
180.3
180.2
180.1
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 25.09 / 37
p0 1.485 ± 0.002706
p1 2.013e-06 ± 2.716e-06
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000
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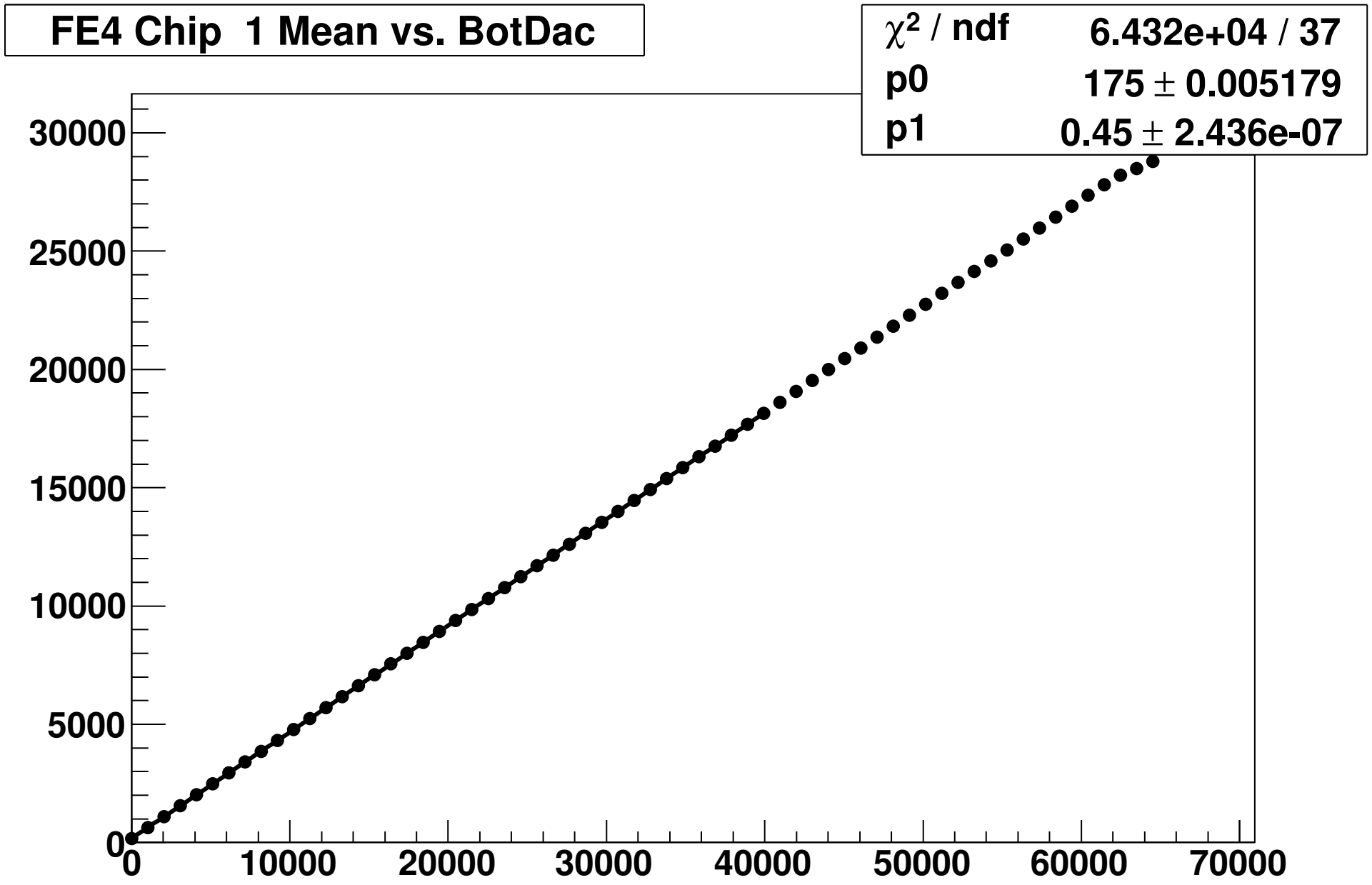
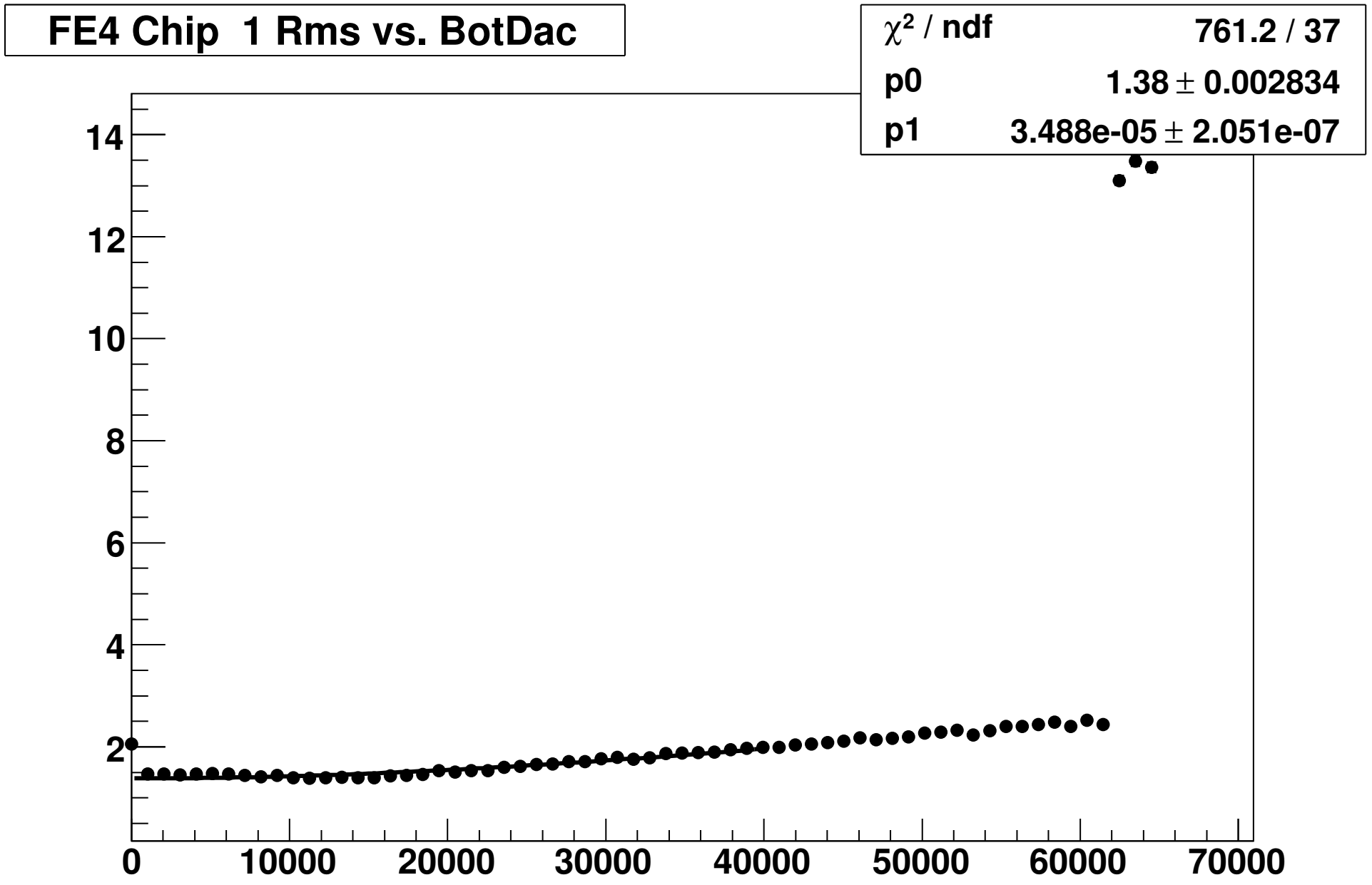
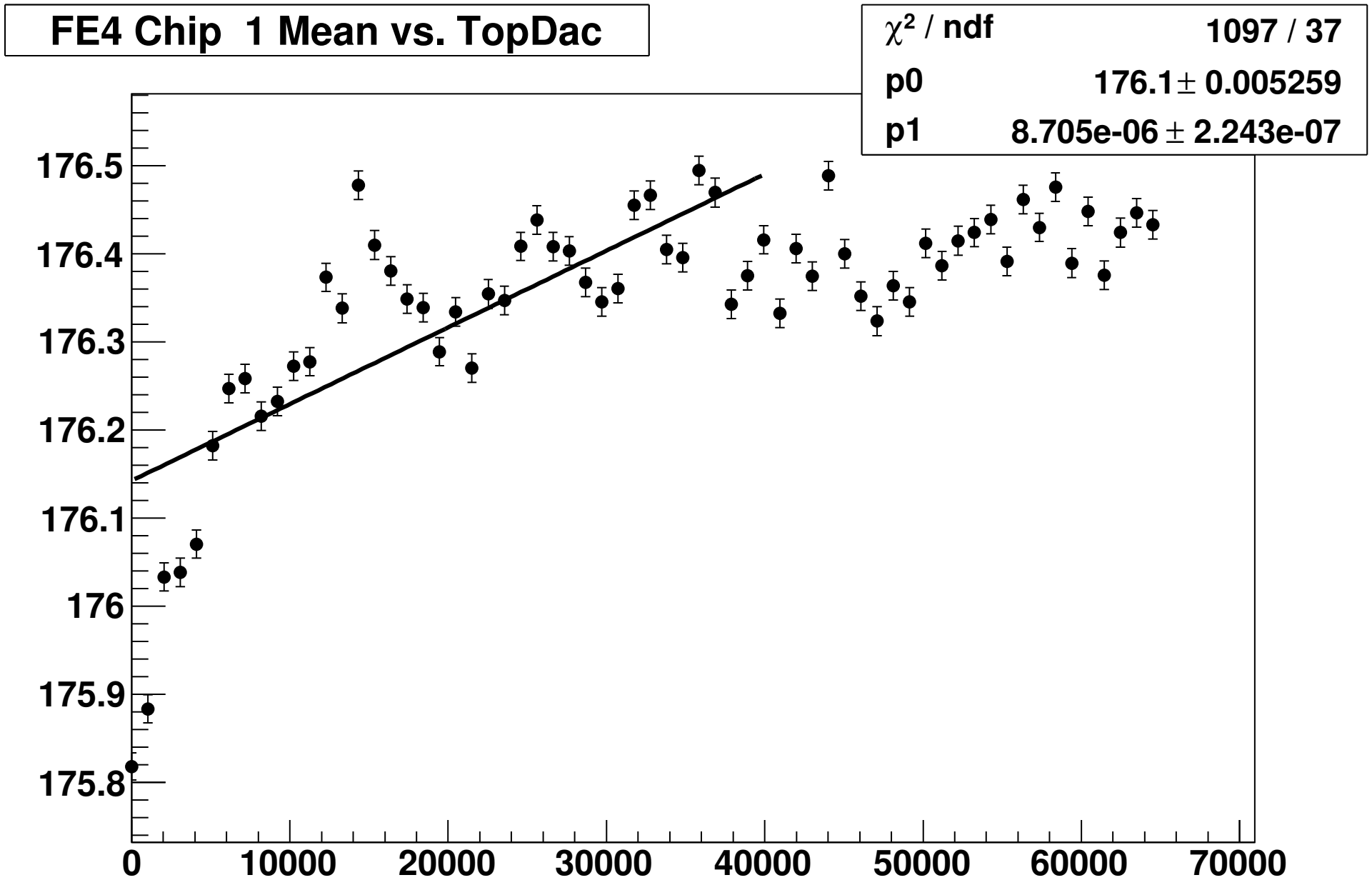

FE4 Chip 1 Mean vs. BotDac
χ² / ndf 6.432e+04 / 37
p0 175 ± 0.005179
p1 0.45 ± 2.436e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 761.2 / 37
p0 1.38 ± 0.002834
p1 3.488e-05 ± 2.051e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 1097 / 37
p0 176.1 ± 0.005259
p1 8.705e-06 ± 2.243e-07
176.5
176.4
176.3
176.2
176.1
176
175.9
175.8
0
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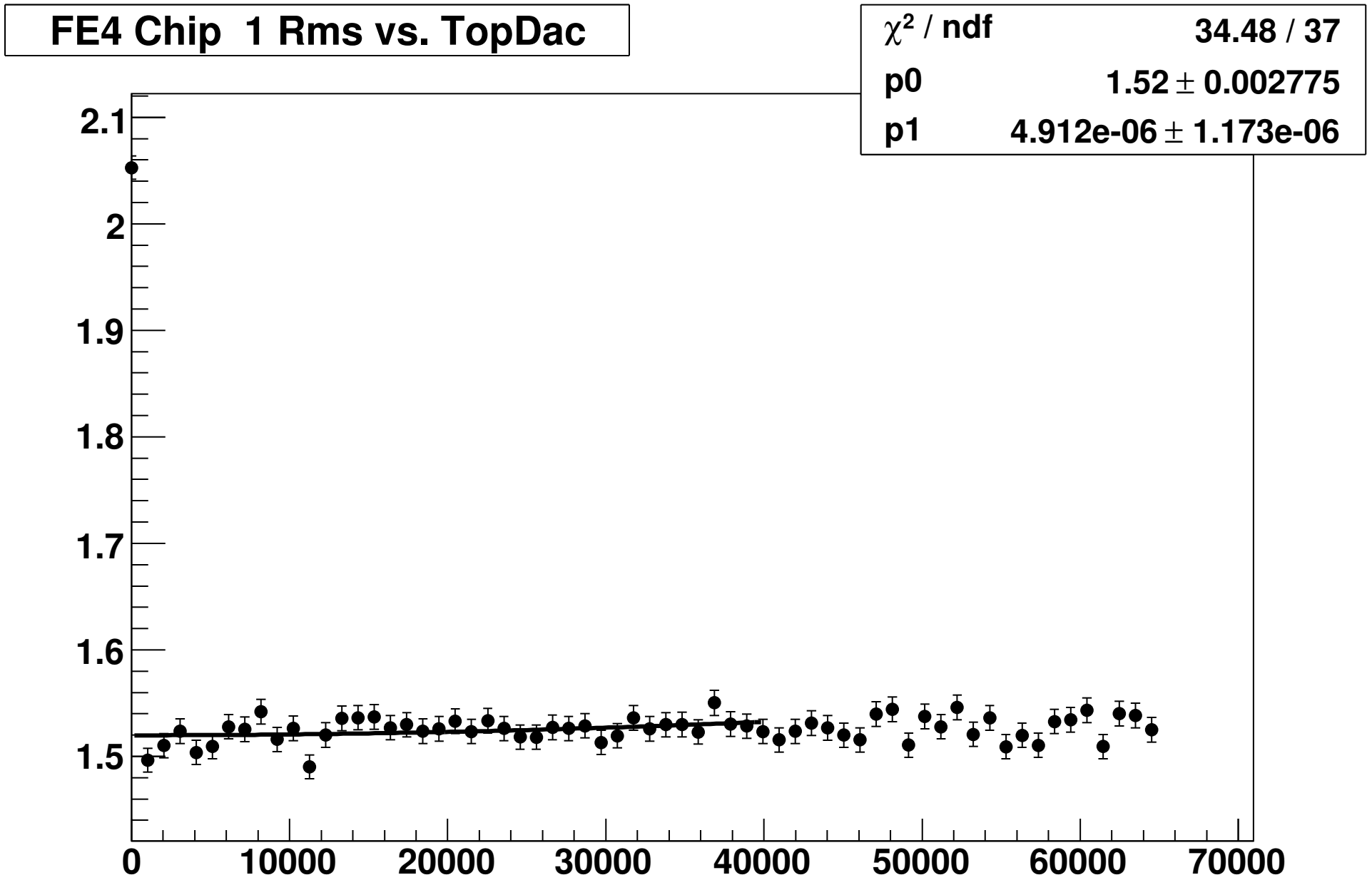
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 34.48 / 37
p0 1.52 ± 0.002775
p1 4.912e-06 ± 1.173e-06
2.1
2
1.9
1.8
1.7
1.6
1.5
0
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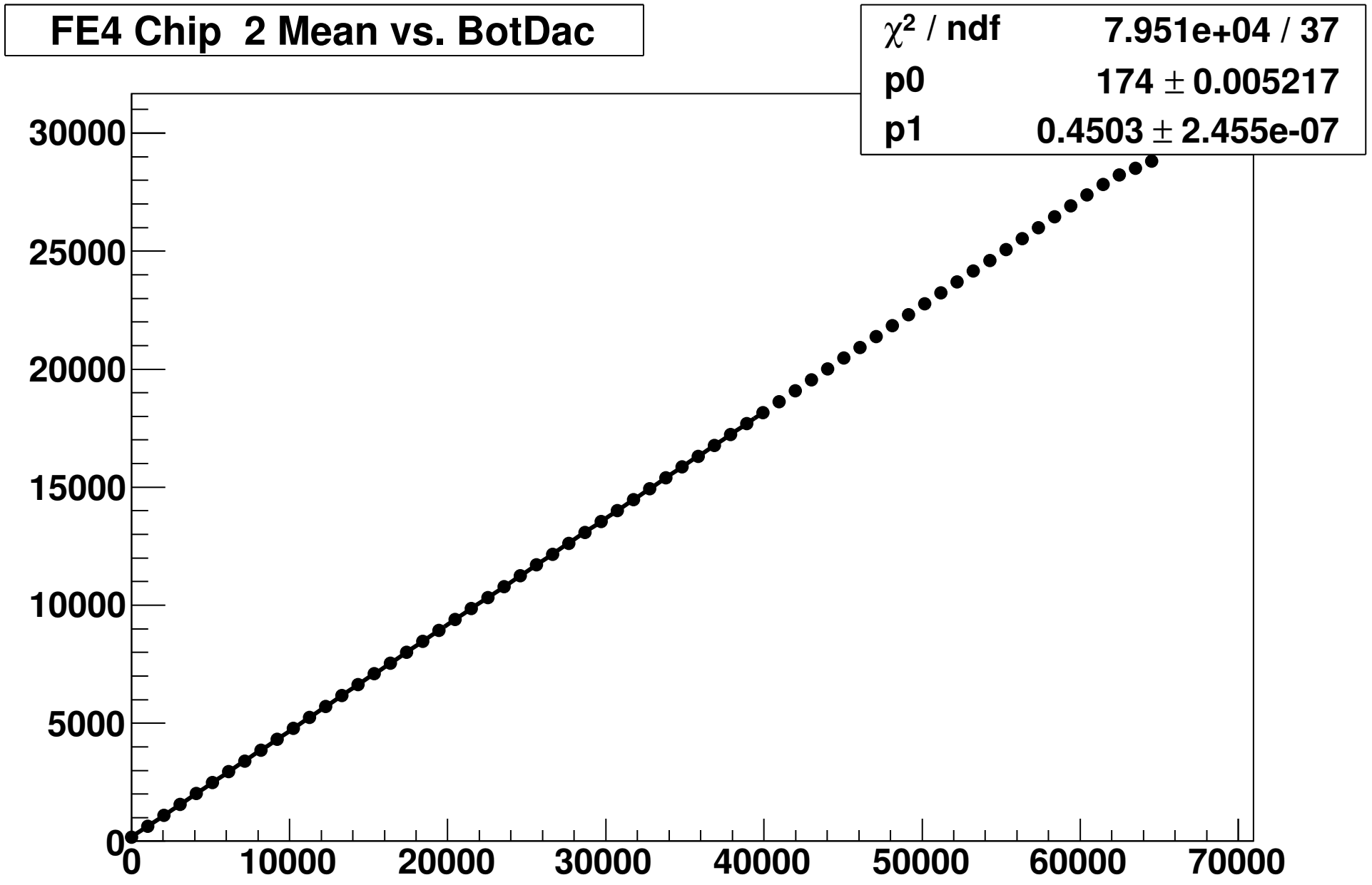
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 7.951e+04 / 37
p0 174 ± 0.005217
p1 0.4503 ± 2.455e-07
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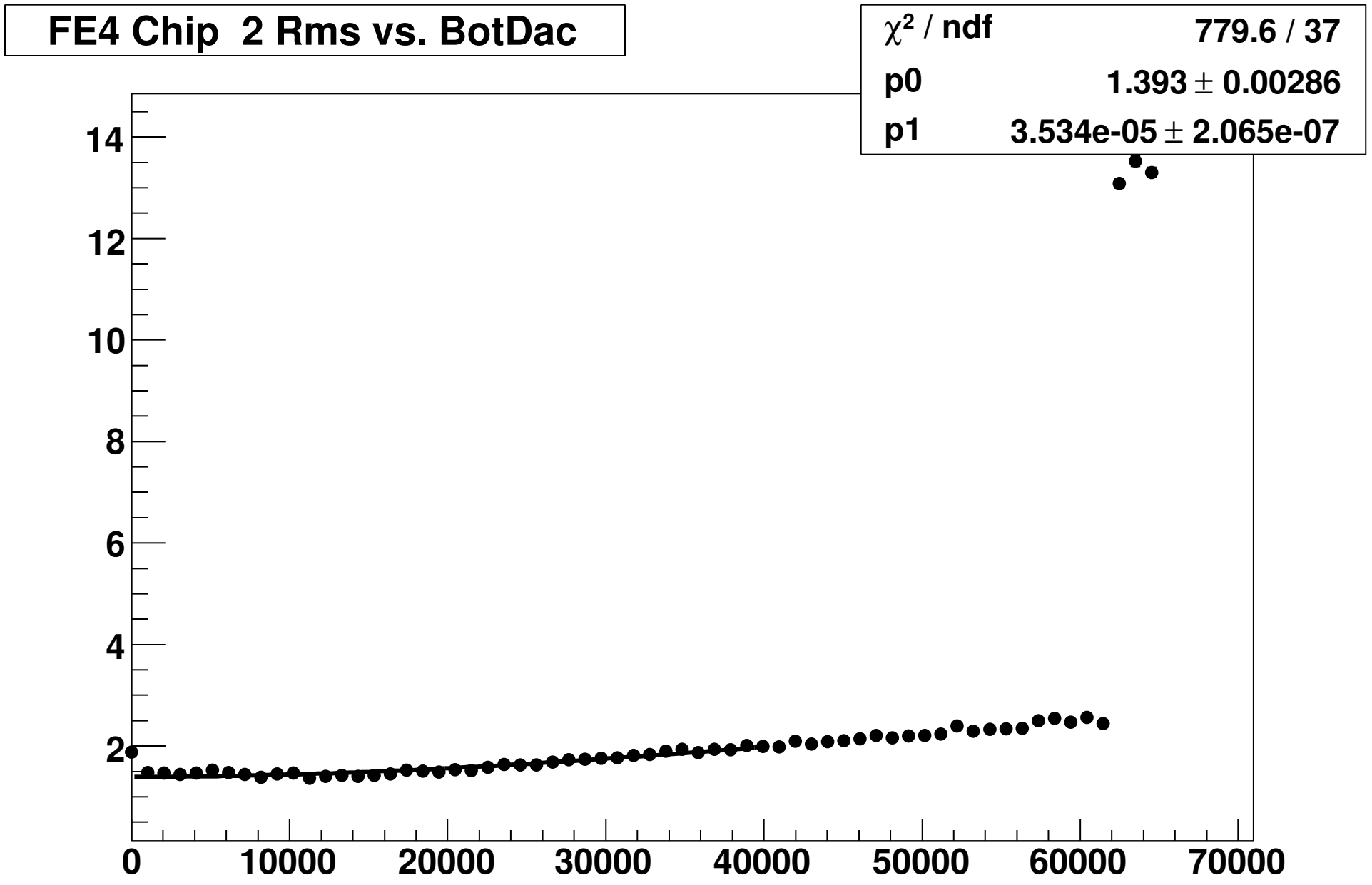
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 779.6 / 37
p0 1.393 ± 0.00286
p1 3.534e-05 ± 2.065e-07
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12
10
8
6
4
2
0
10000
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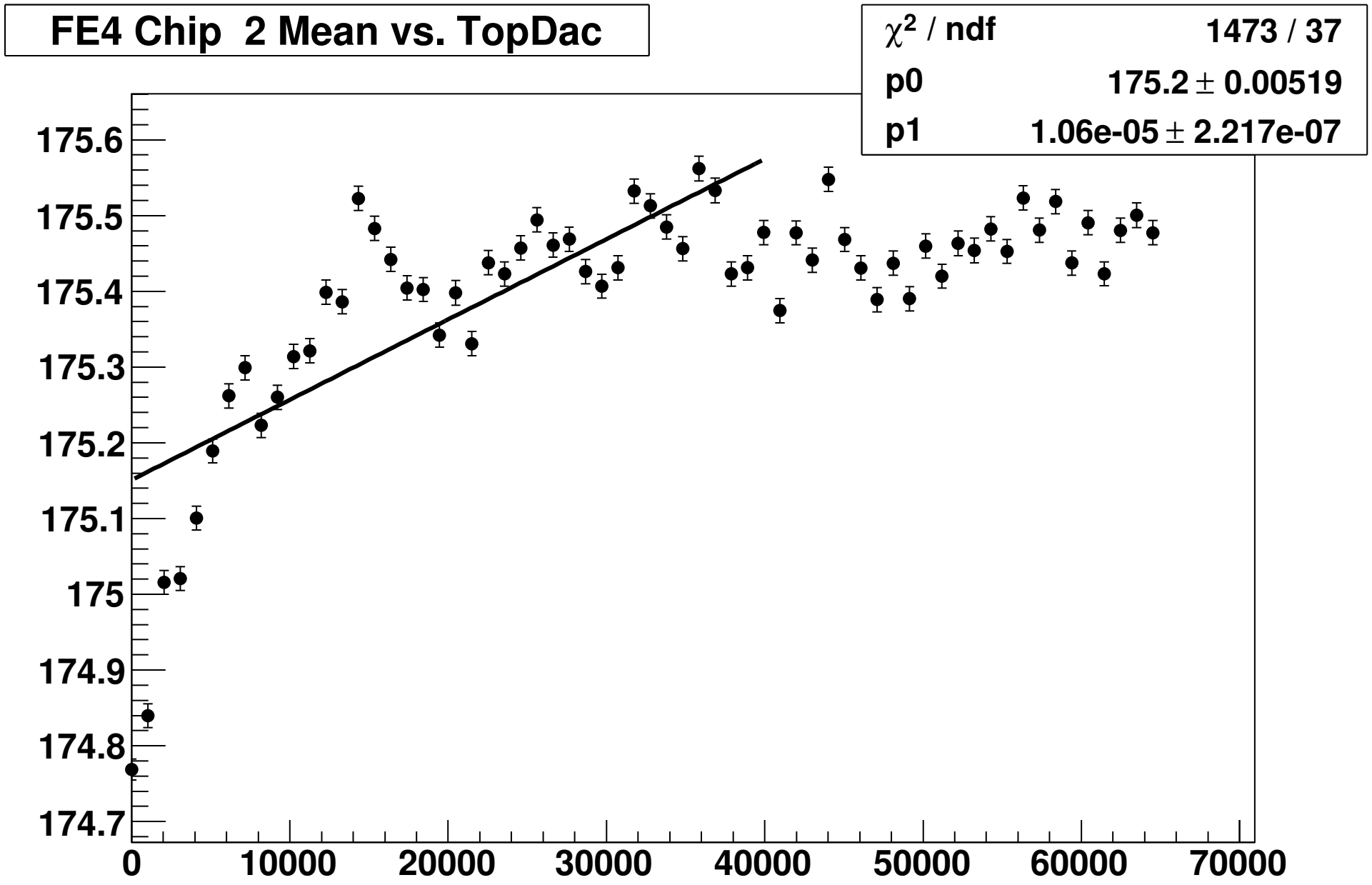
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 1473 / 37
p0 175.2 ± 0.00519
p1 1.06e-05 ± 2.217e-07
175.6
175.5
175.4
175.3
175.2
175.1
175
174.9
174.8
174.7
0
10000
20000
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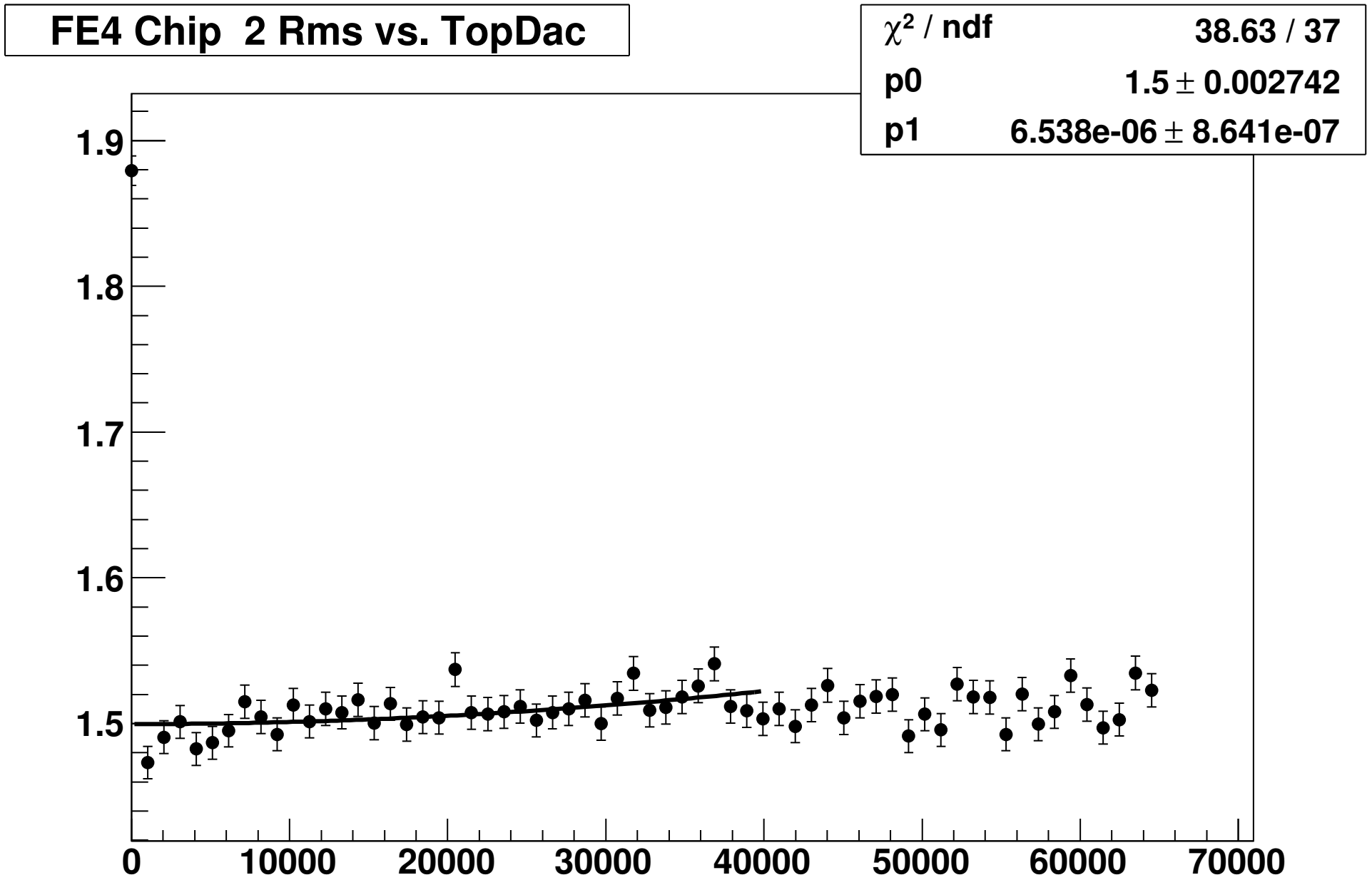
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 38.63 / 37
p0 1.5 ± 0.002742
p1 6.538e-06 ± 8.641e-07
1.9
1.8
1.7
1.6
1.5
0
10000
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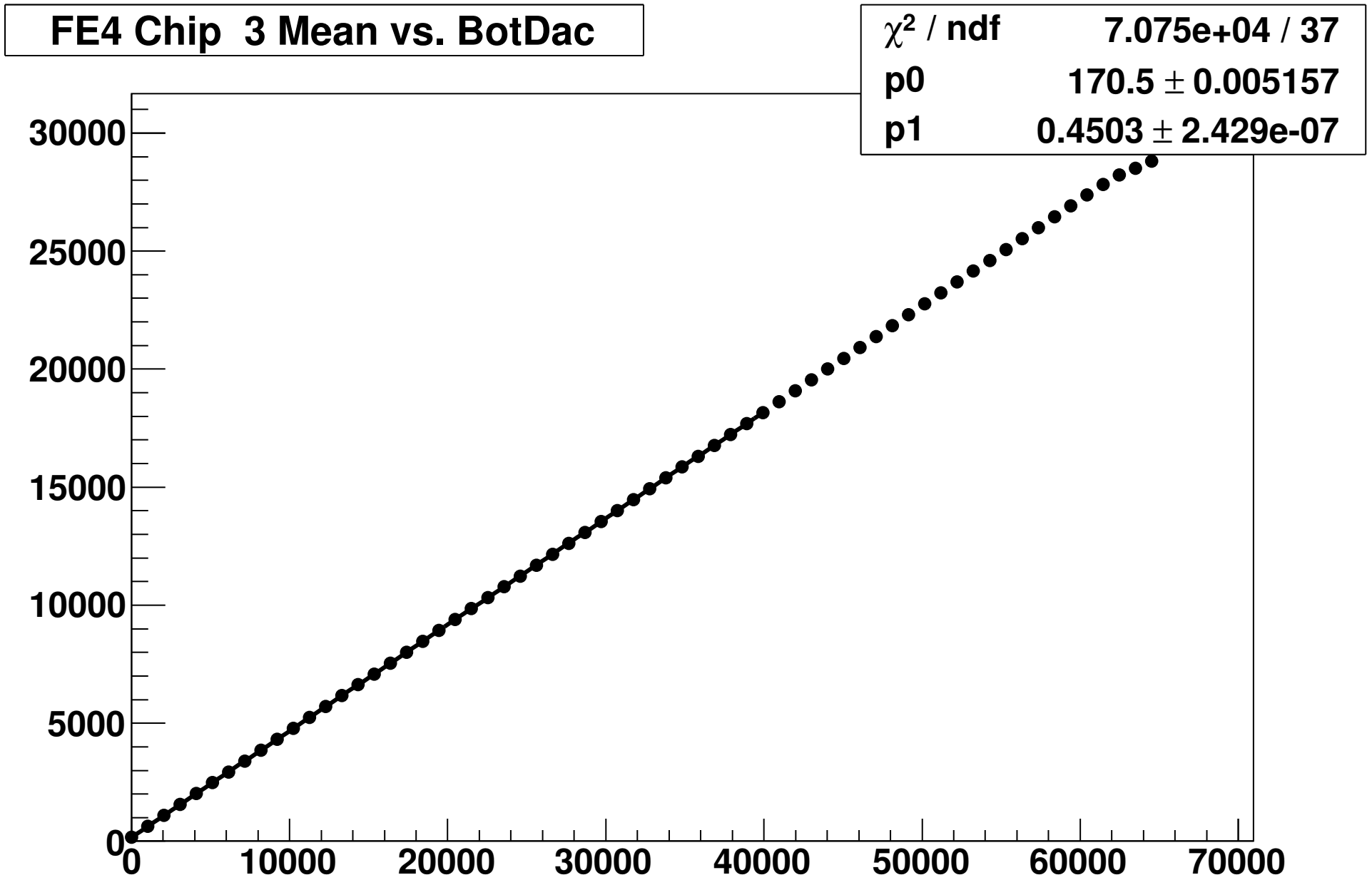
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 7.075e+04 / 37
p0 170.5 ± 0.005157
p1 0.4503 ± 2.429e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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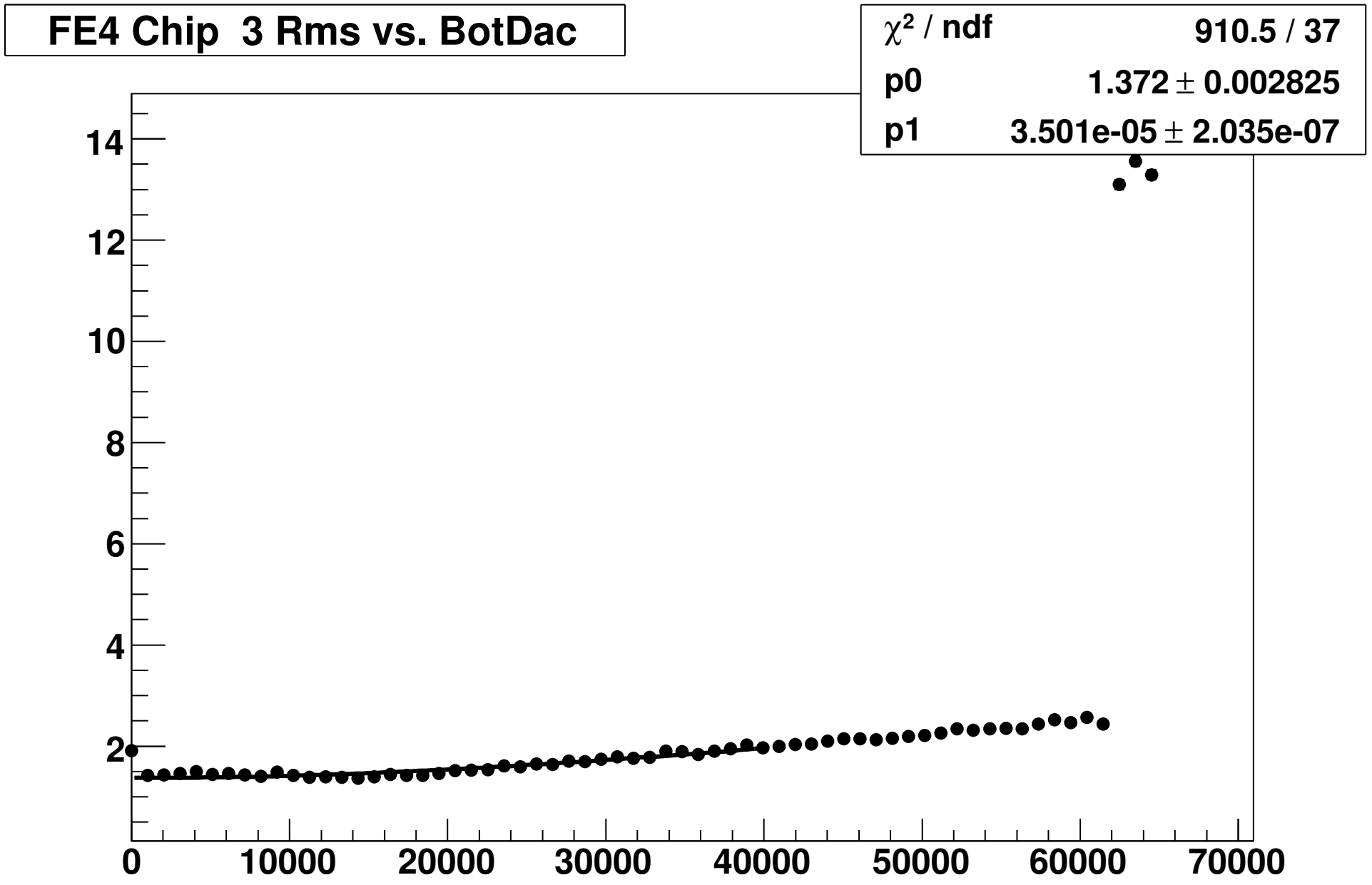
FE4 Chip 3 Rms vs. BotDac
χ² / ndf 910.5 / 37
p0 1.372 ± 0.002825
p1 3.501e-05 ± 2.035e-07
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12
10
8
6
4
2
0
10000
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30000
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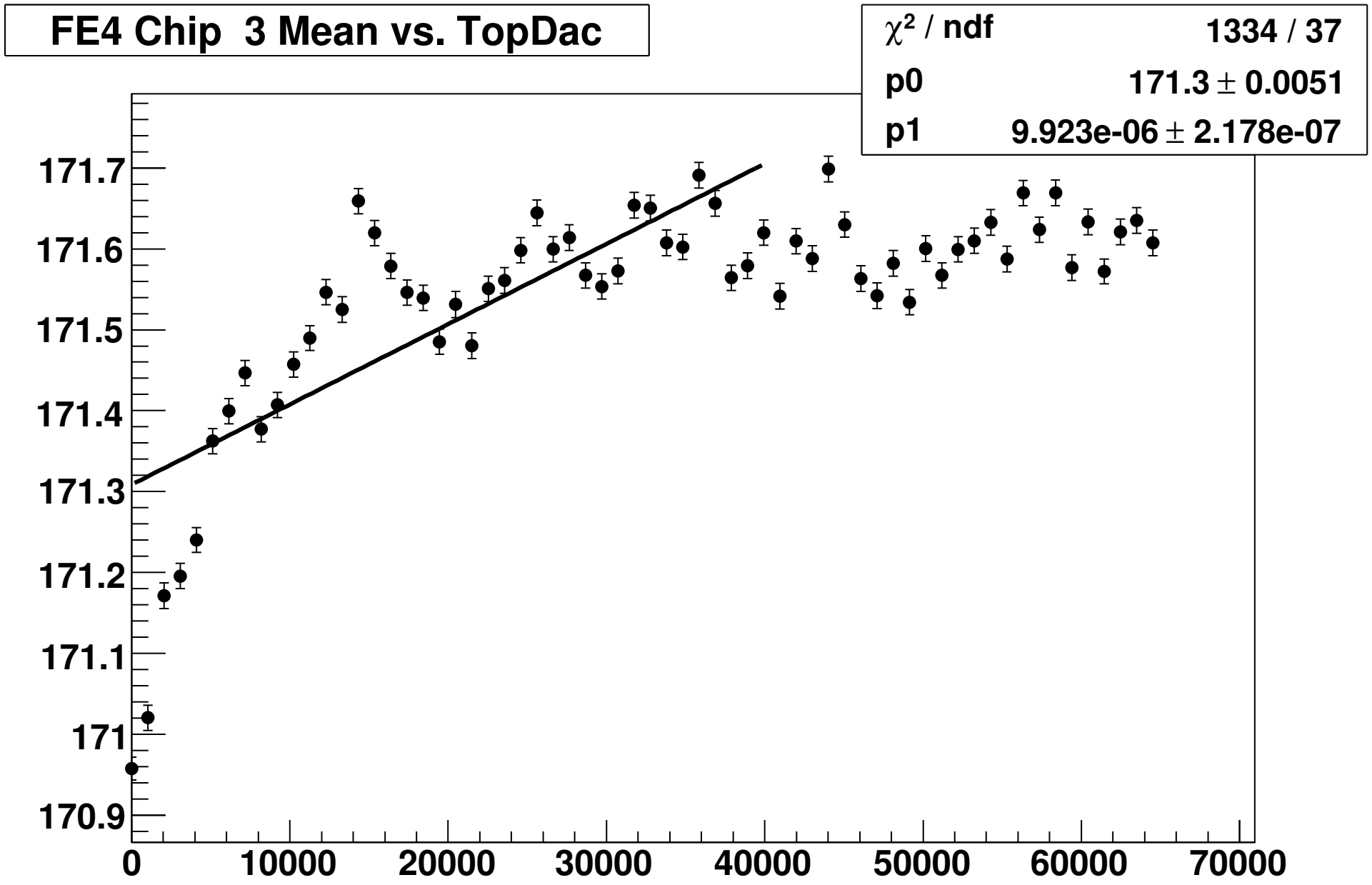
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 1334 / 37
p0 171.3 ± 0.0051
p1 9.923e-06 ± 2.178e-07
171.7
171.6
171.5
171.4
171.3
171.2
171.1
171
170.9
0
10000
20000
30000
40000
50000
60000
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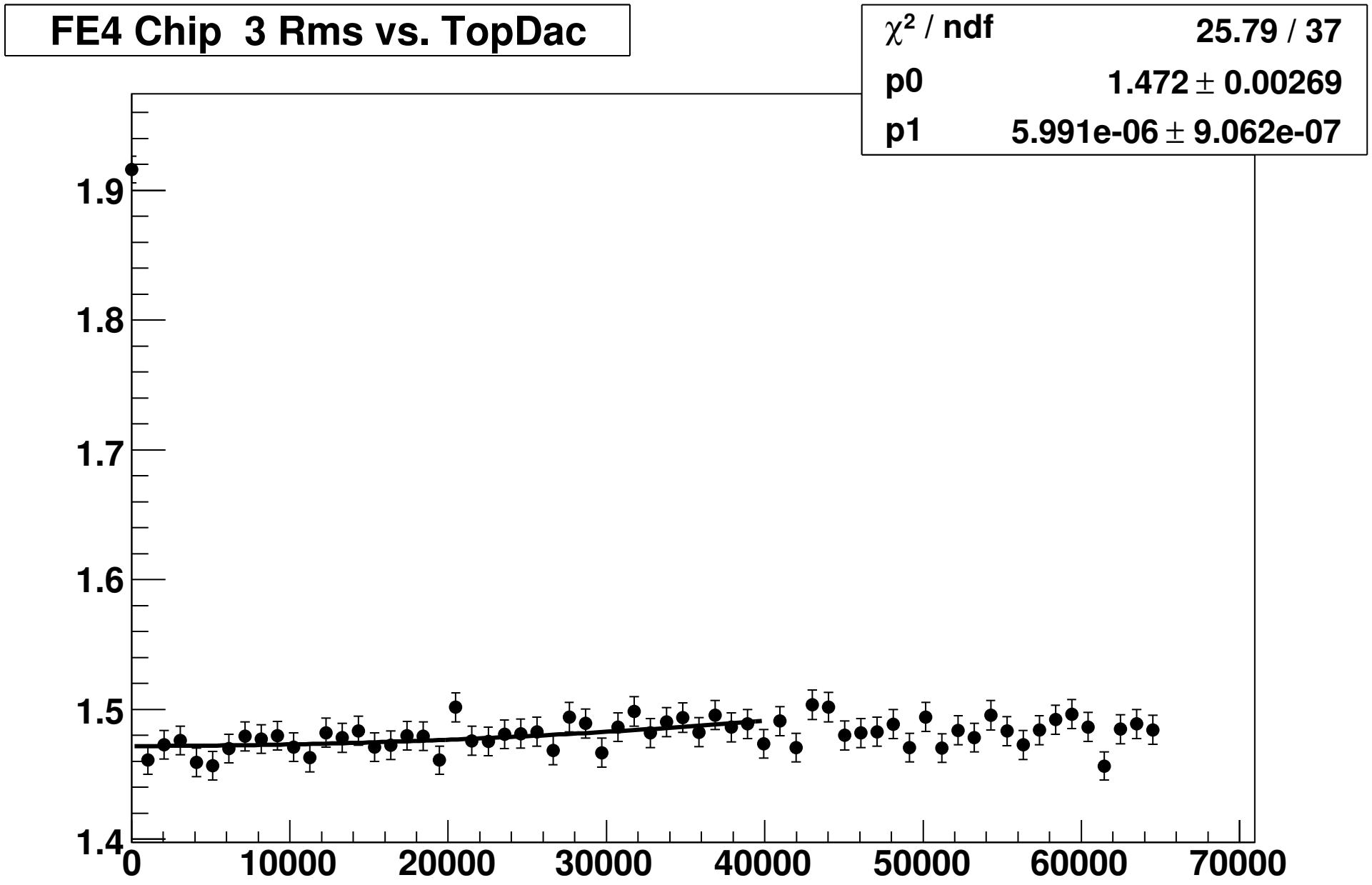
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 25.79 / 37
p0 1.472 ± 0.00269
p1 5.991e-06 ± 9.062e-07
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
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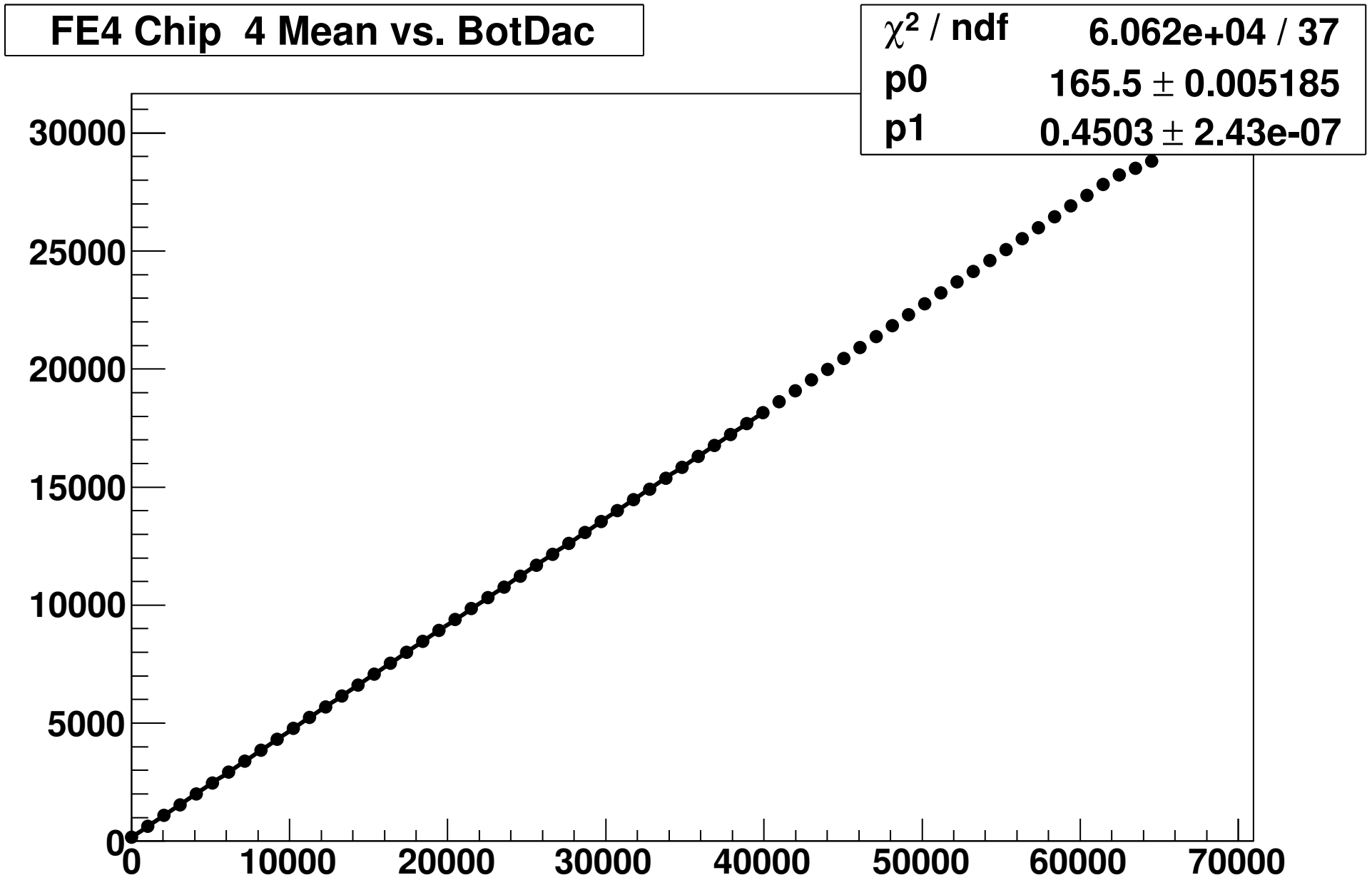
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 6.062e+04 / 37
p0 165.5 ± 0.005185
p1 0.4503 ± 2.43e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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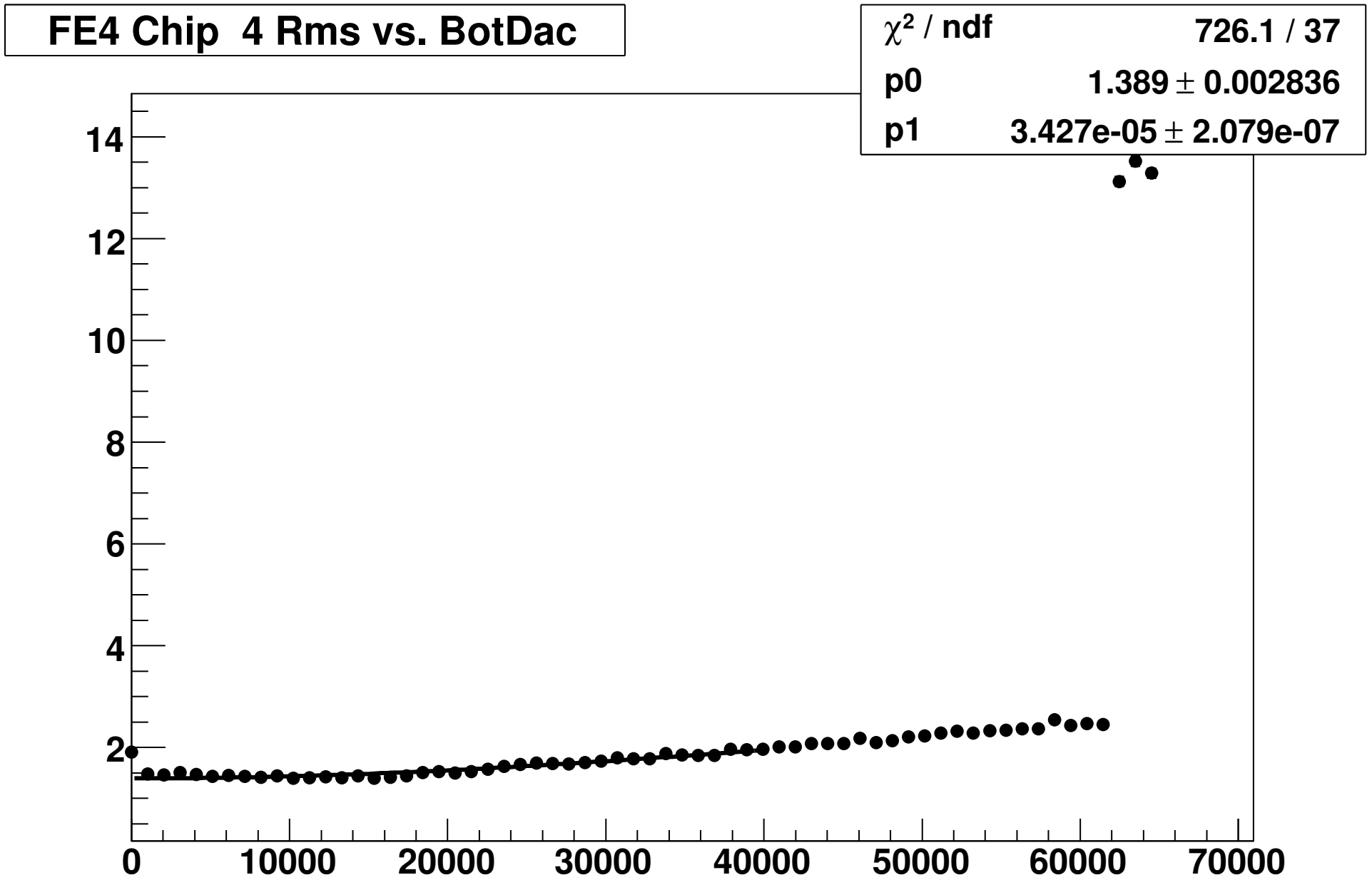
FE4 Chip 4 Rms vs. BotDac
χ² / ndf 726.1 / 37
p0 1.389 ± 0.002836
p1 3.427e-05 ± 2.079e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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60000
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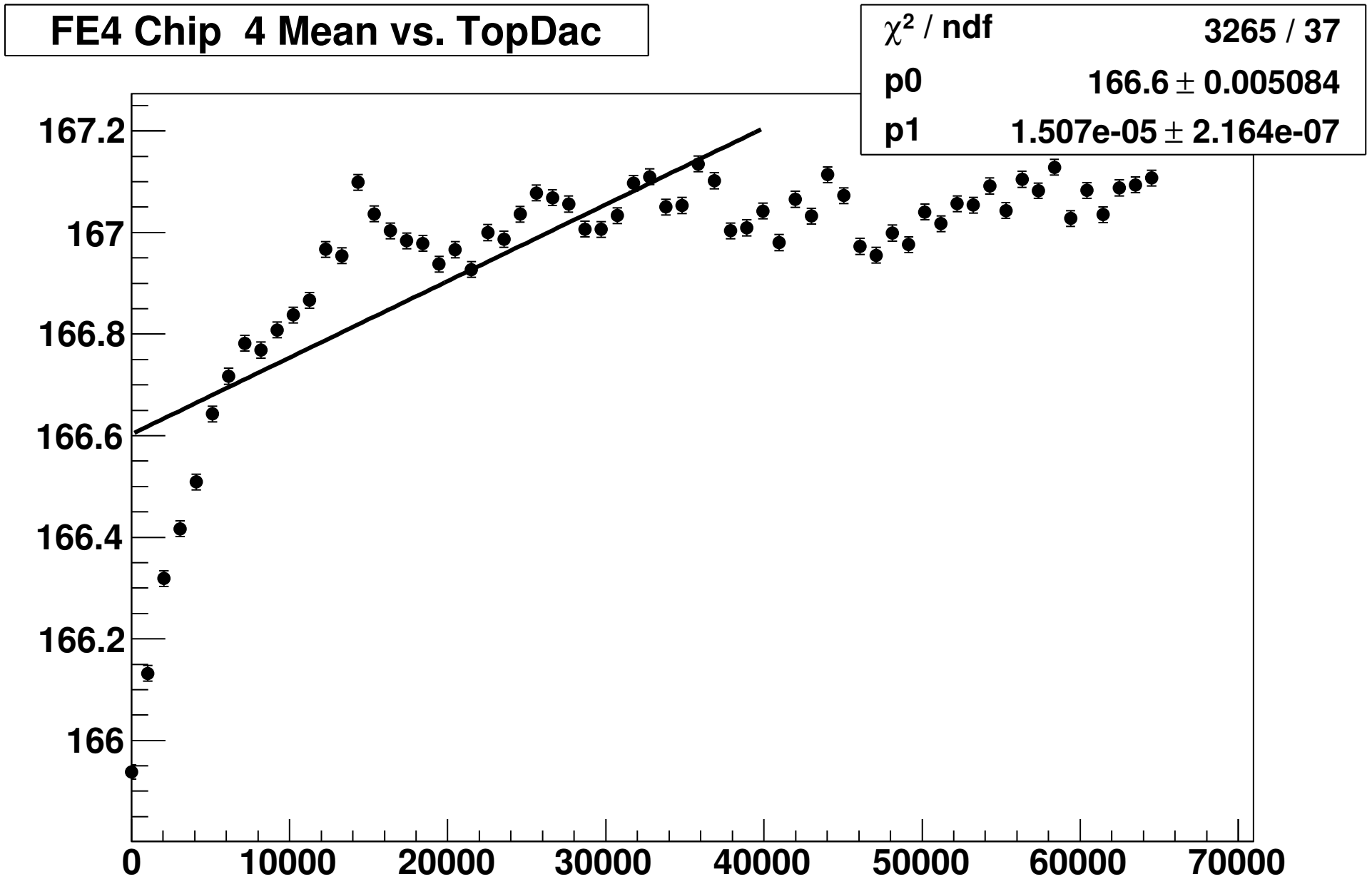
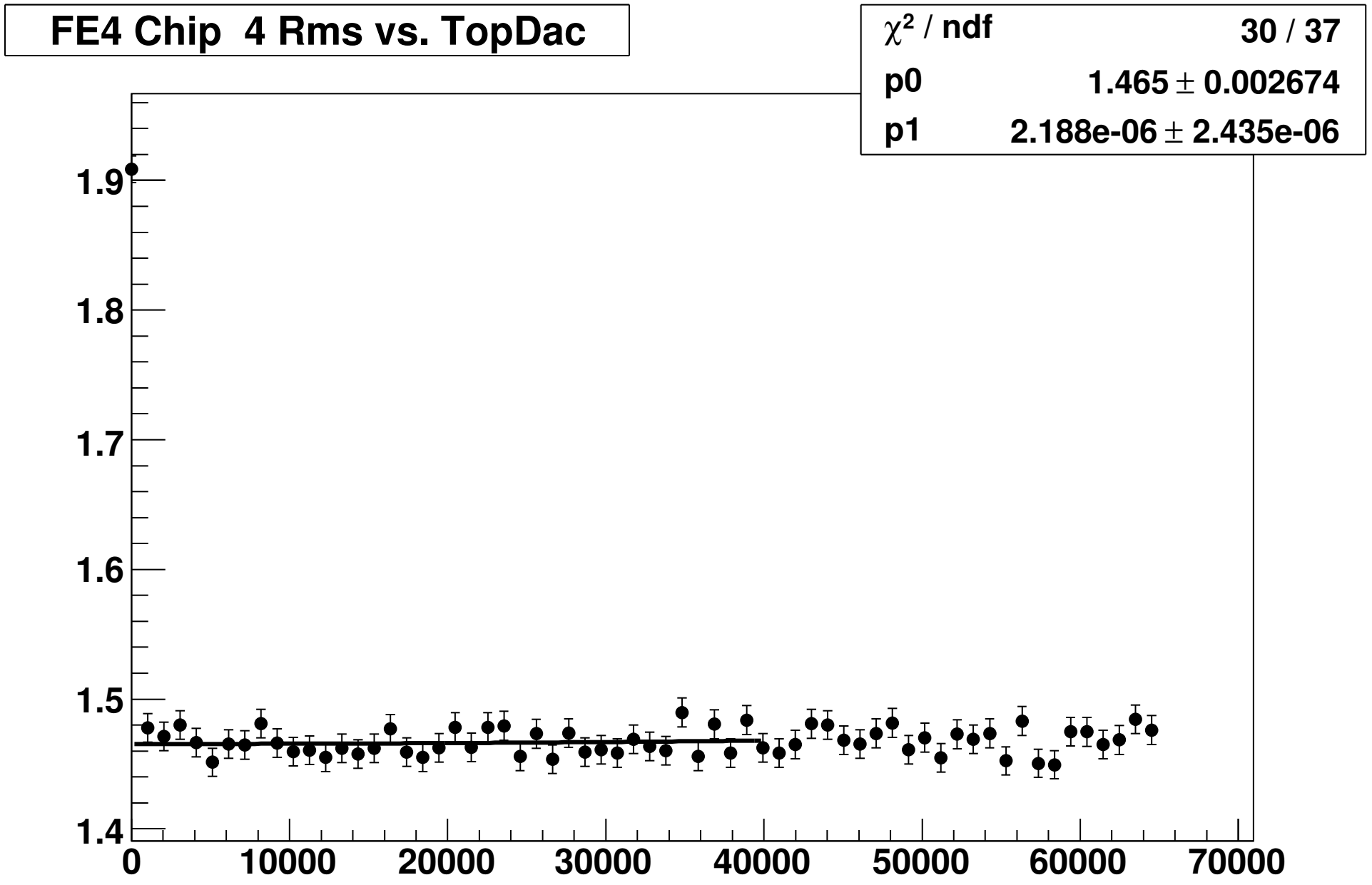

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 3265 / 37
p0 166.6 ± 0.005084
p1 1.507e-05 ± 2.164e-07
167.2
167
166.8
166.6
166.4
166.2
166
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 30 / 37
p0 1.465 ± 0.002674
p1 2.188e-06 ± 2.435e-06
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
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60000
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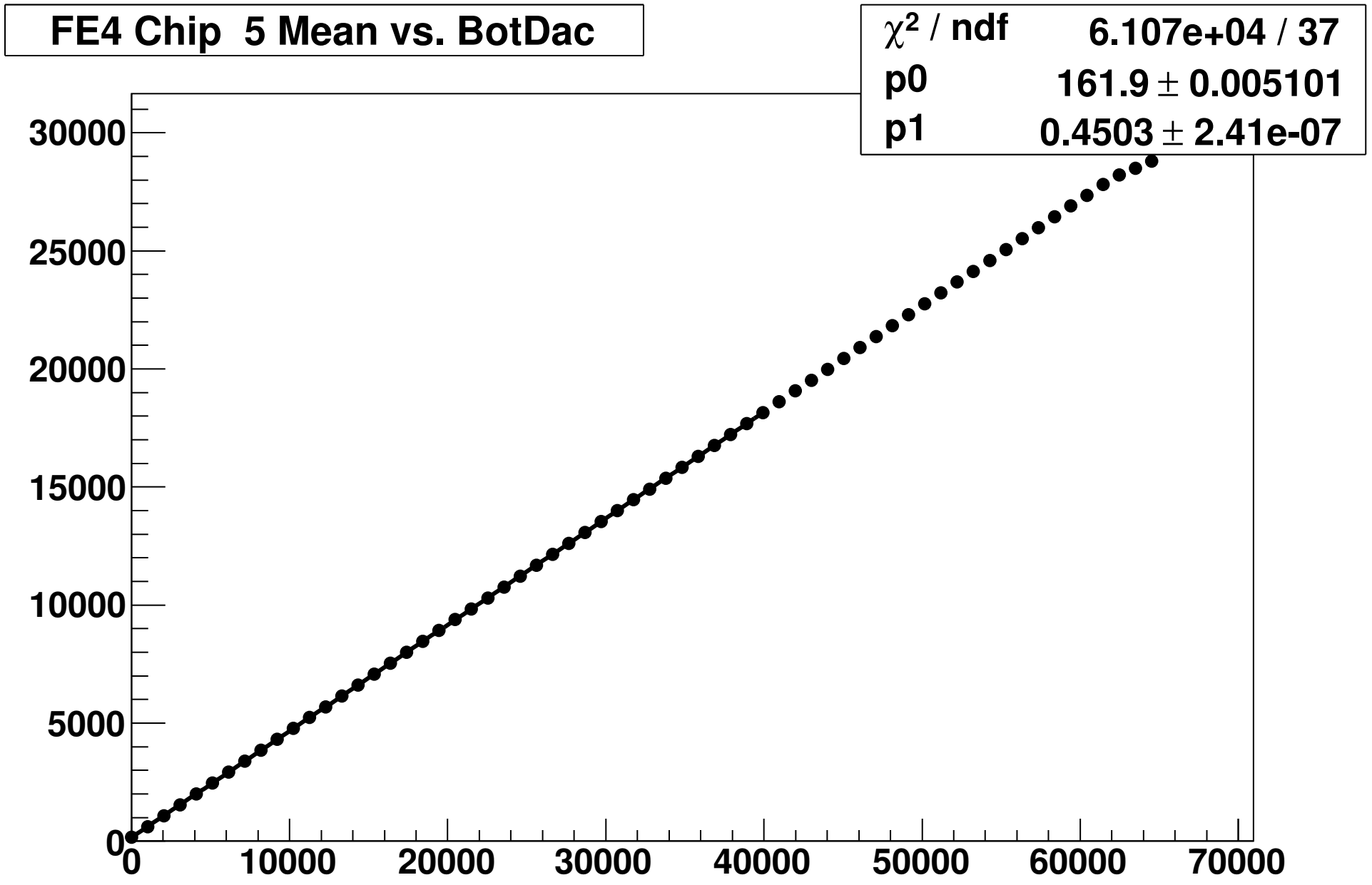
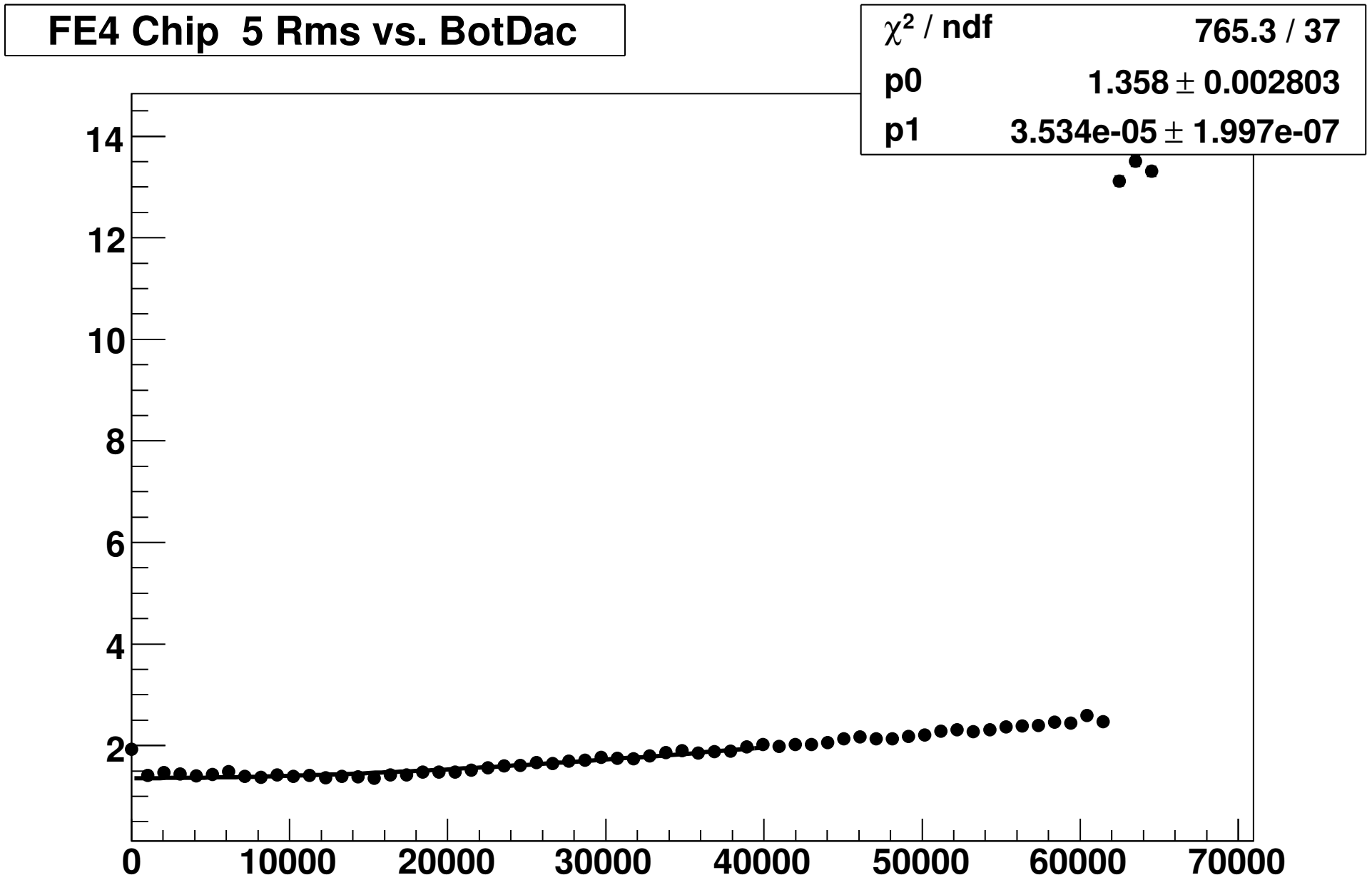
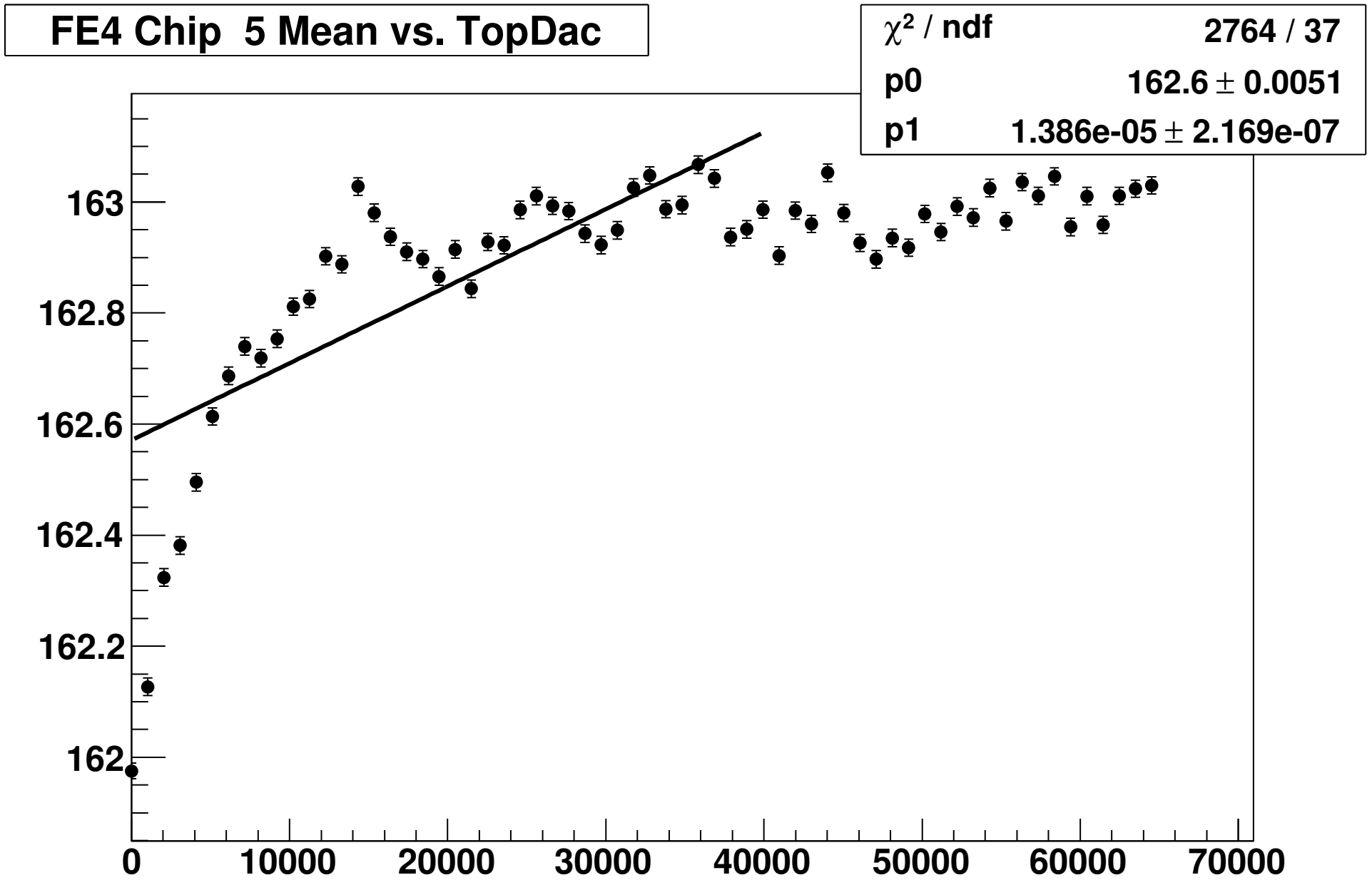
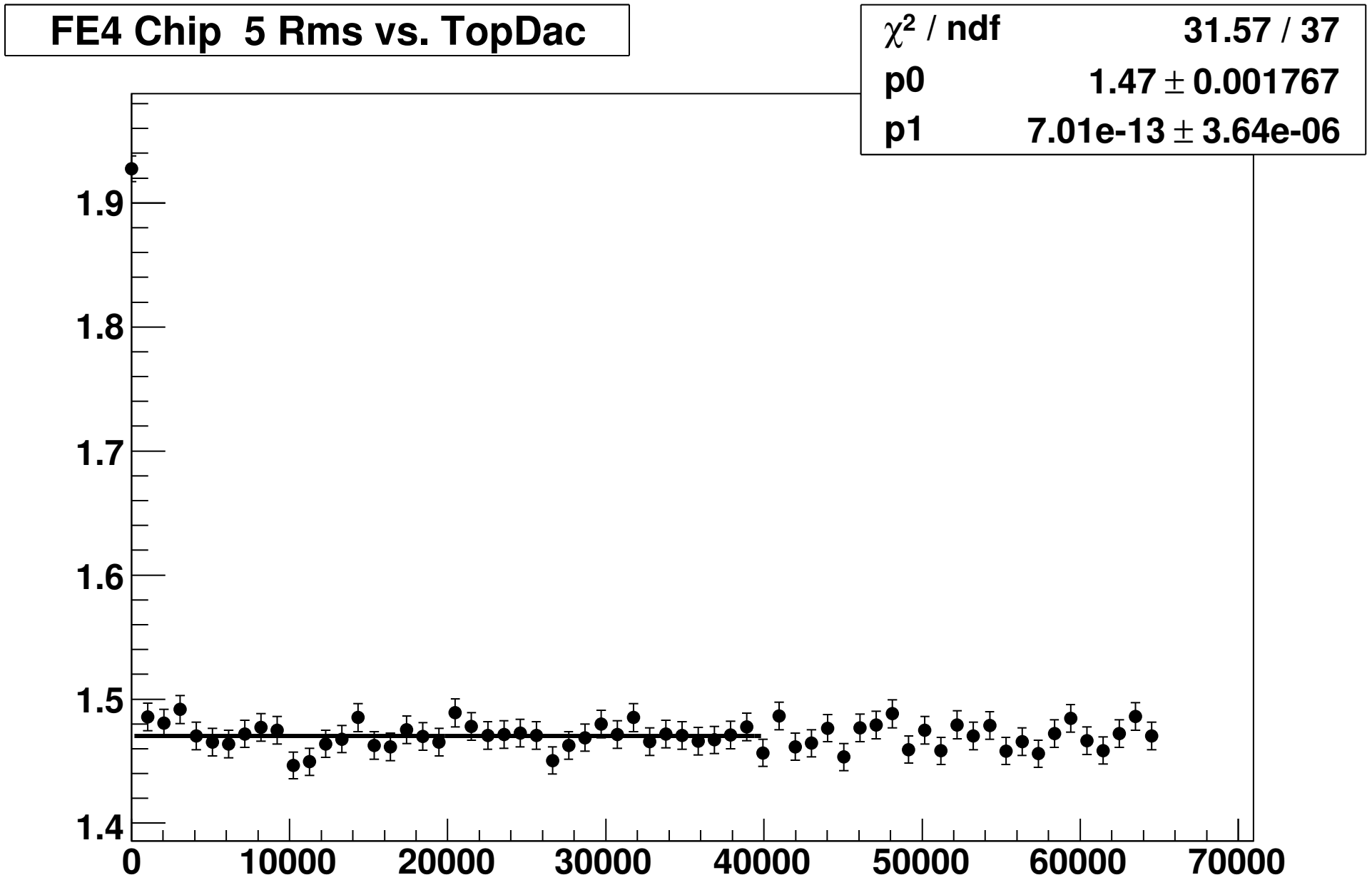

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 6.107e+04 / 37
p0 161.9 ± 0.005101
p1 0.4503 ± 2.41e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 765.3 / 37
p0 1.358 ± 0.002803
p1 3.534e-05 ± 1.997e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 2764 / 37
p0 162.6 ± 0.0051
p1 1.386e-05 ± 2.169e-07
163
162.8
162.6
162.4
162.2
162
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 31.57 / 37
p0 1.47 ± 0.001767
p1 7.01e-13 ± 3.64e-06
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
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50000
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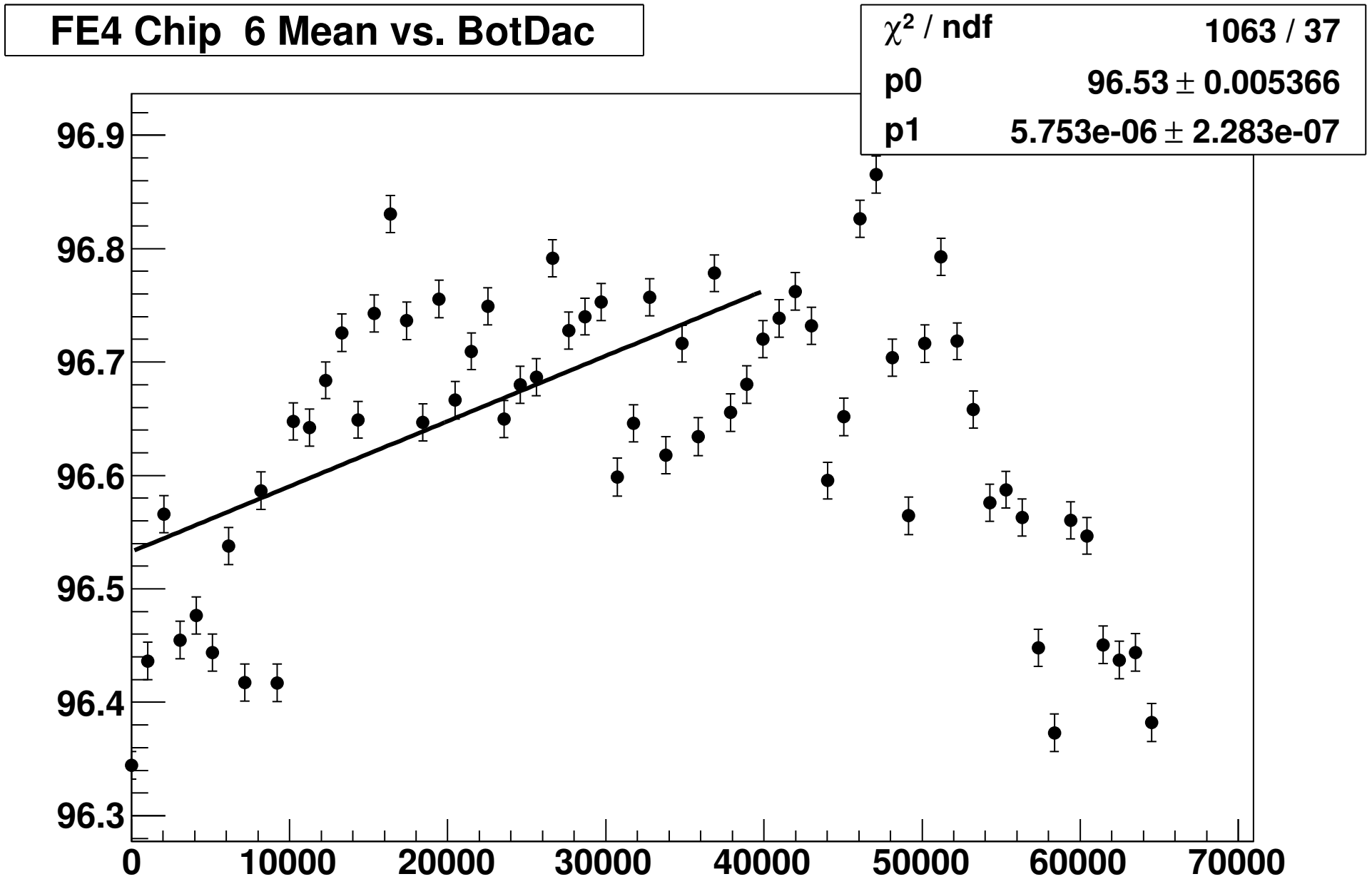
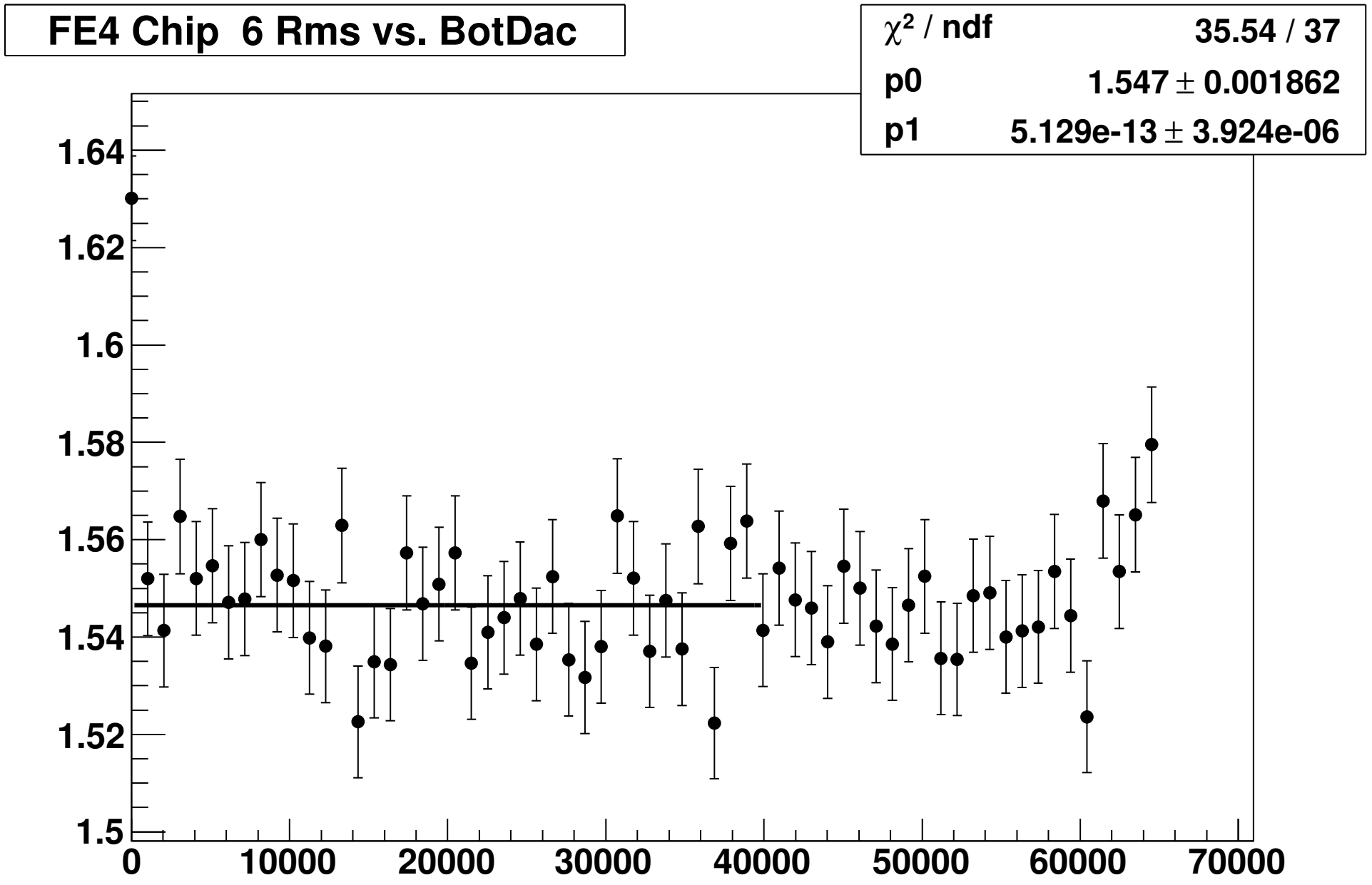

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 1063 / 37
p0 96.53 ± 0.005366
p1 5.753e-06 ± 2.283e-07
96.9
96.8
96.7
96.6
96.5
96.4
96.3
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 35.54 / 37
p0 1.547 ± 0.001862
p1 5.129e-13 ± 3.924e-06
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
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50000
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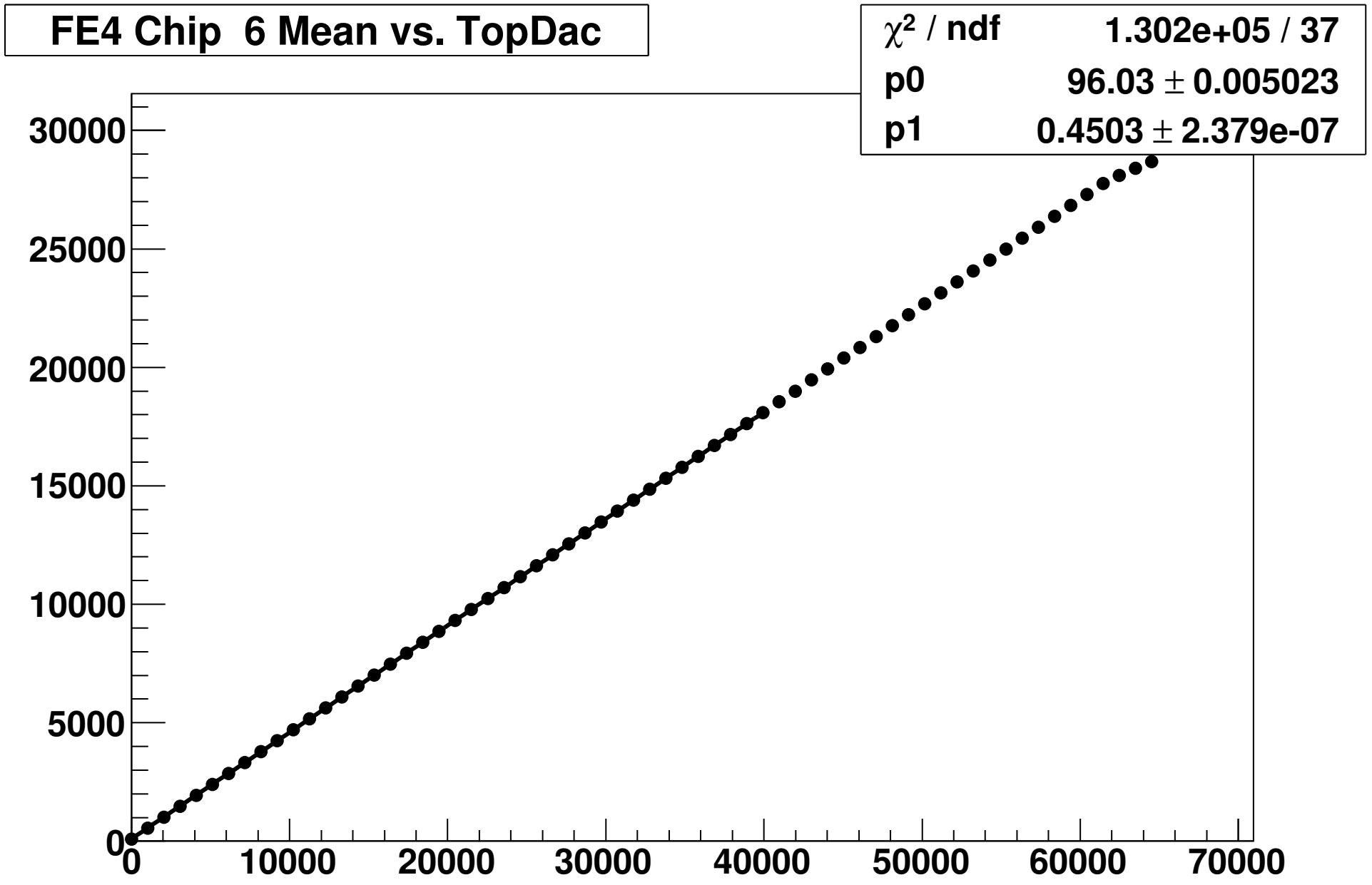
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.302e+05 / 37
p0 96.03 ± 0.005023
p1 0.4503 ± 2.379e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
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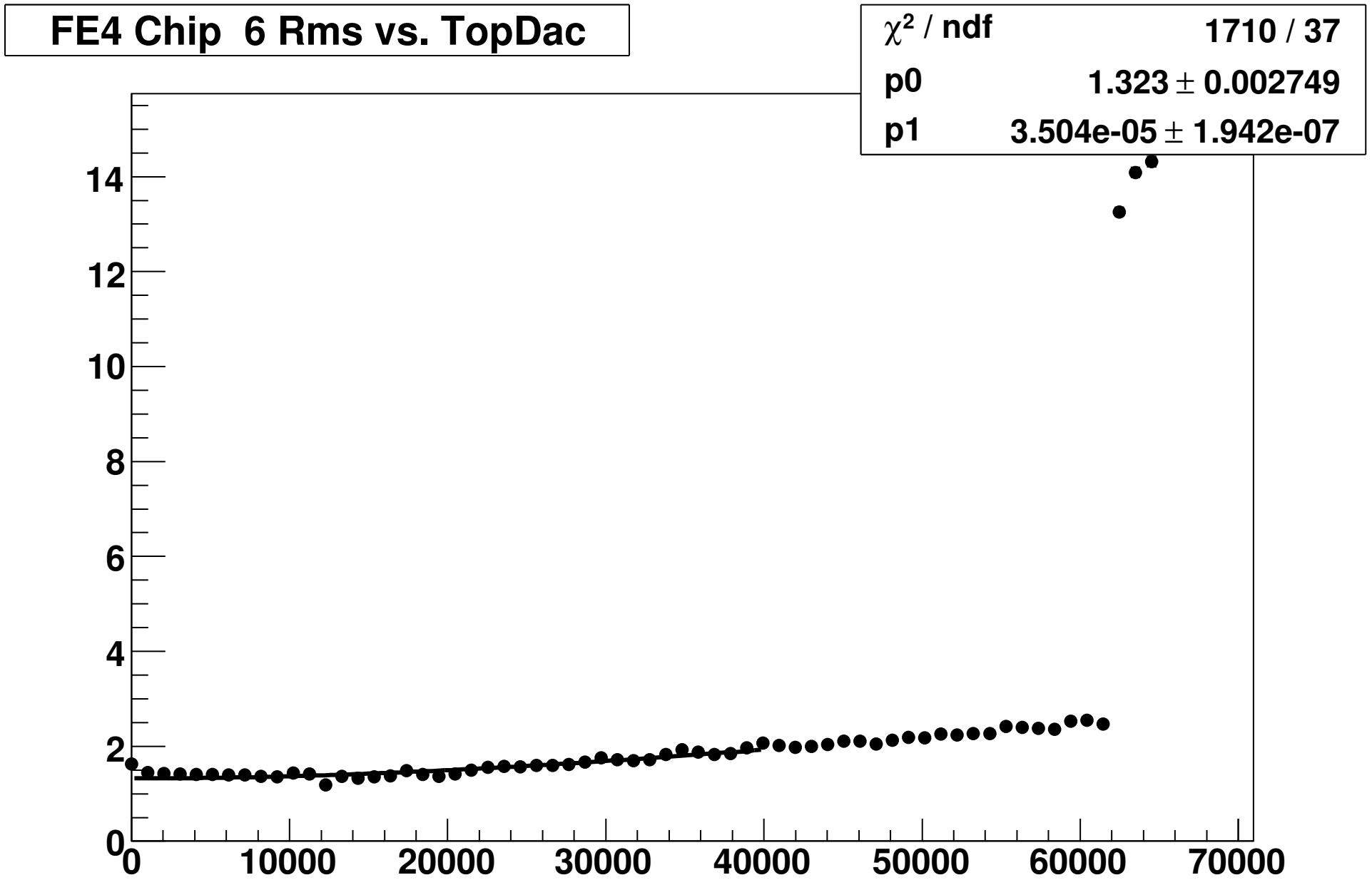
FE4 Chip 6 Rms vs. TopDac
χ² / ndf 1710 / 37
p0 1.323 ± 0.002749
p1 3.504e-05 ± 1.942e-07
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
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60000
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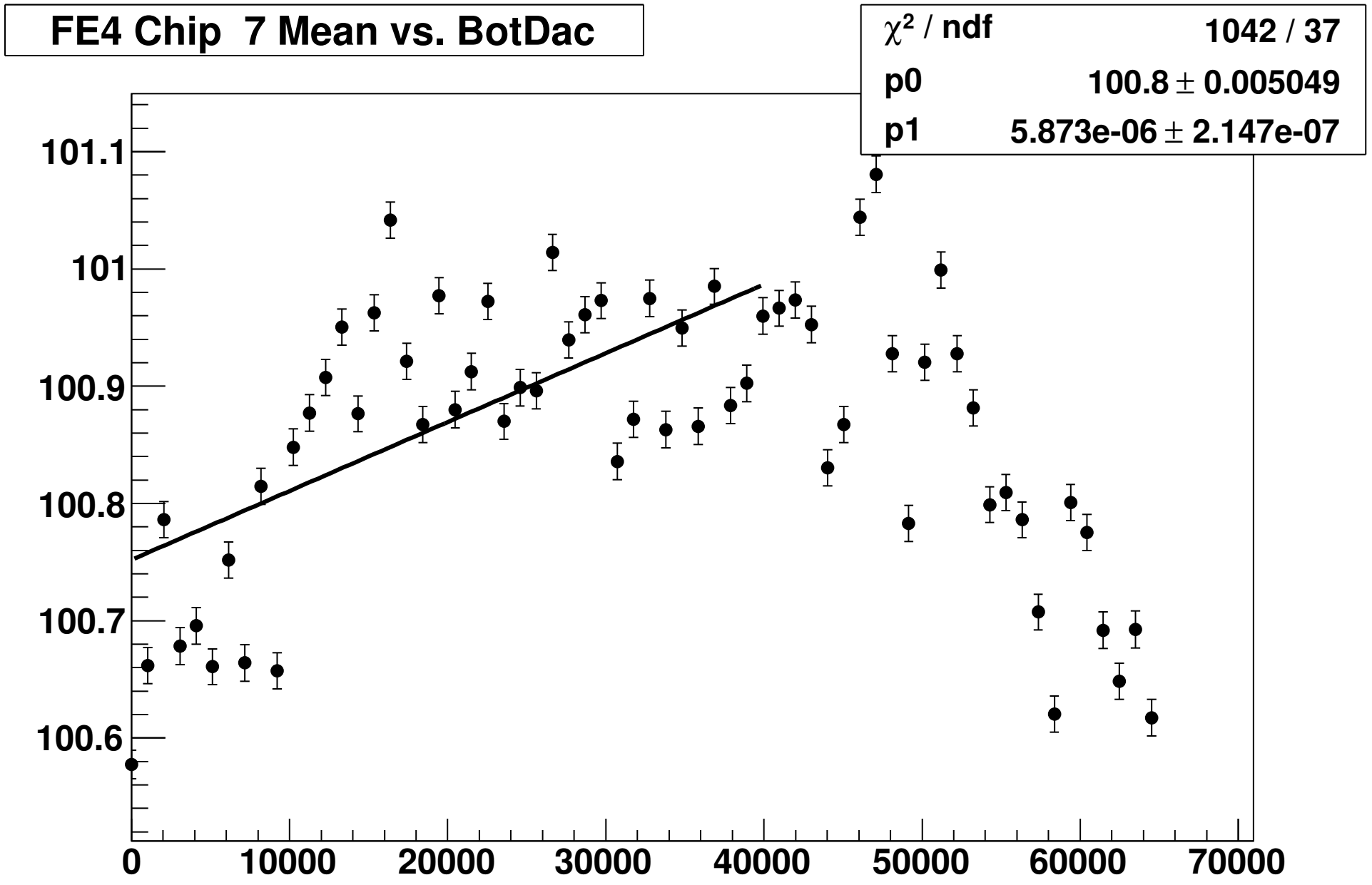
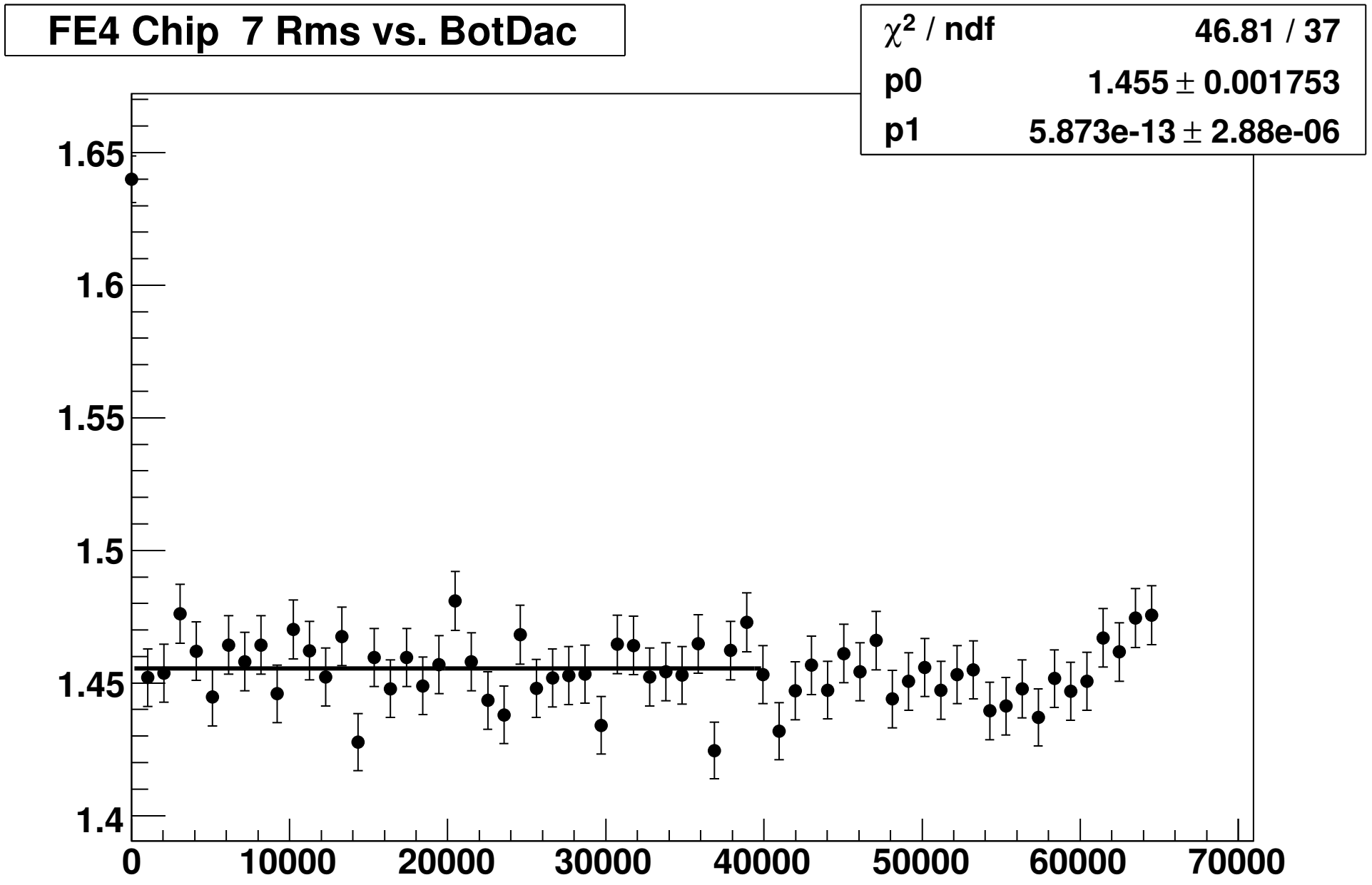

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 1042 / 37
p0 100.8 ± 0.005049
p1 5.873e-06 ± 2.147e-07
101.1
101
100.9
100.8
100.7
100.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 46.81 / 37
p0 1.455 ± 0.001753
p1 5.873e-13 ± 2.88e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
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50000
60000
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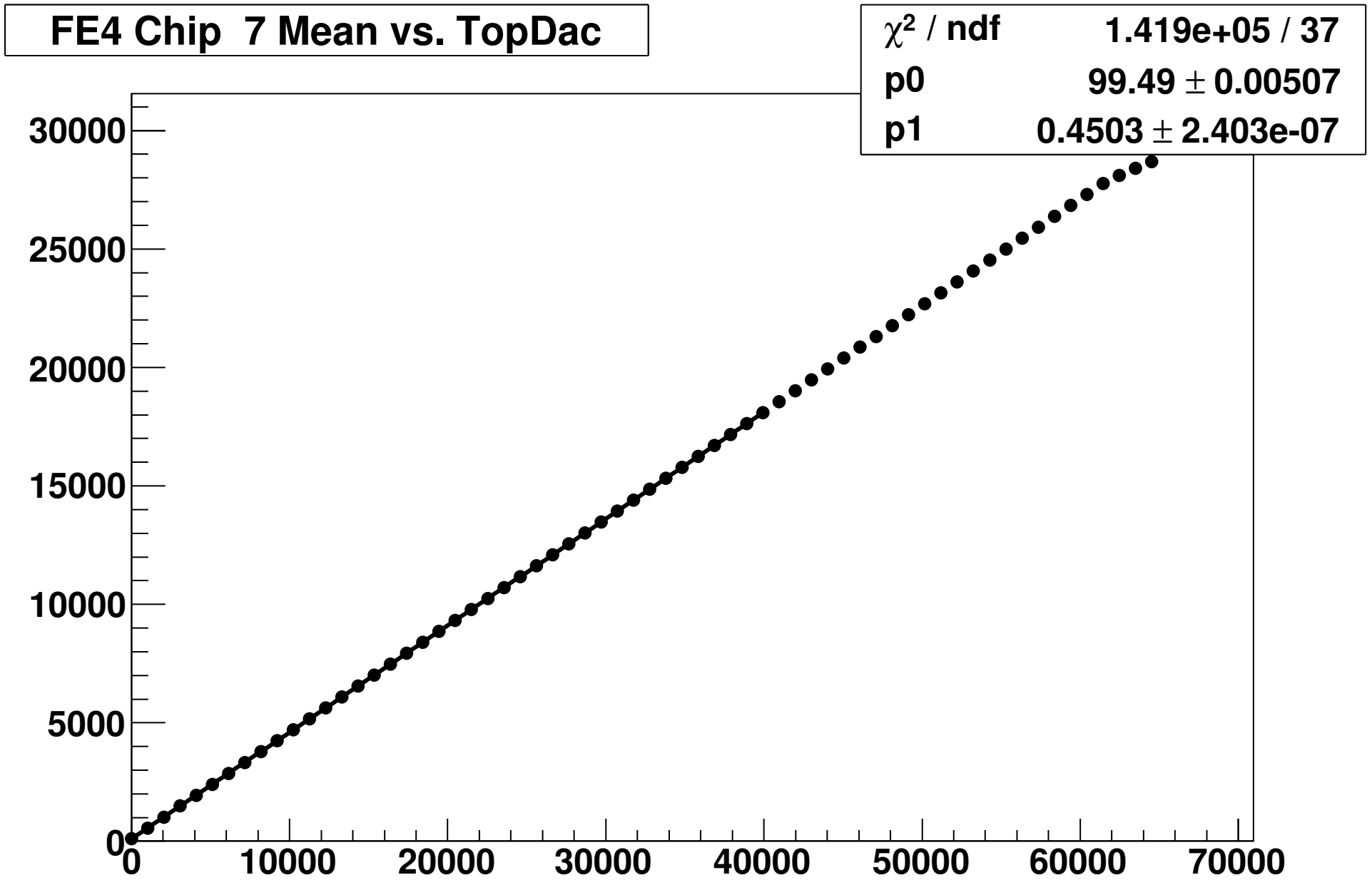
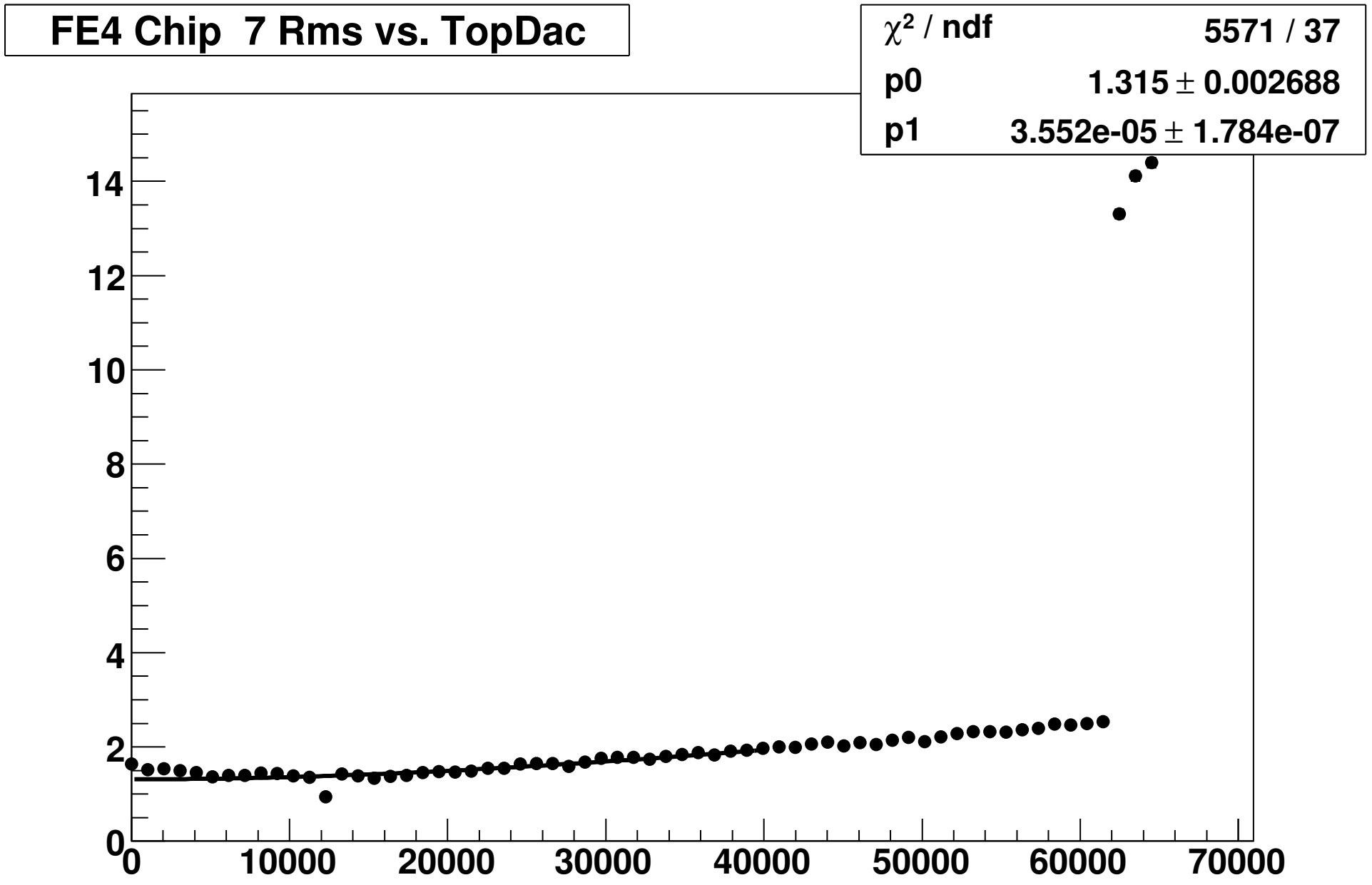

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.419e+05 / 37
p0 99.49 ± 0.00507
p1 0.4503 ± 2.403e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 5571 / 37
p0 1.315 ± 0.002688
p1 3.552e-05 ± 1.784e-07
0
2
4
6
8
10
12
14
0
10000
20000
30000
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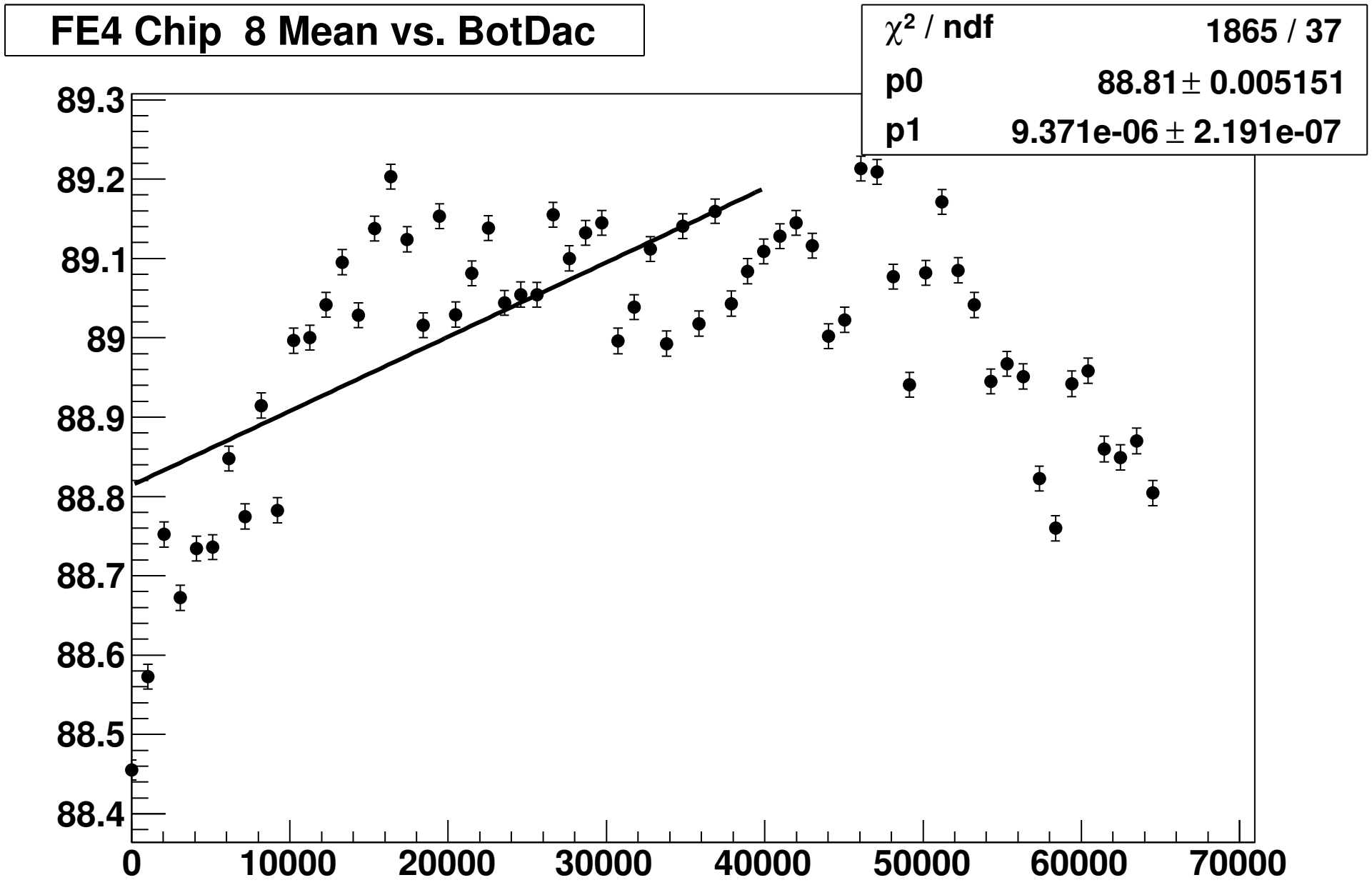
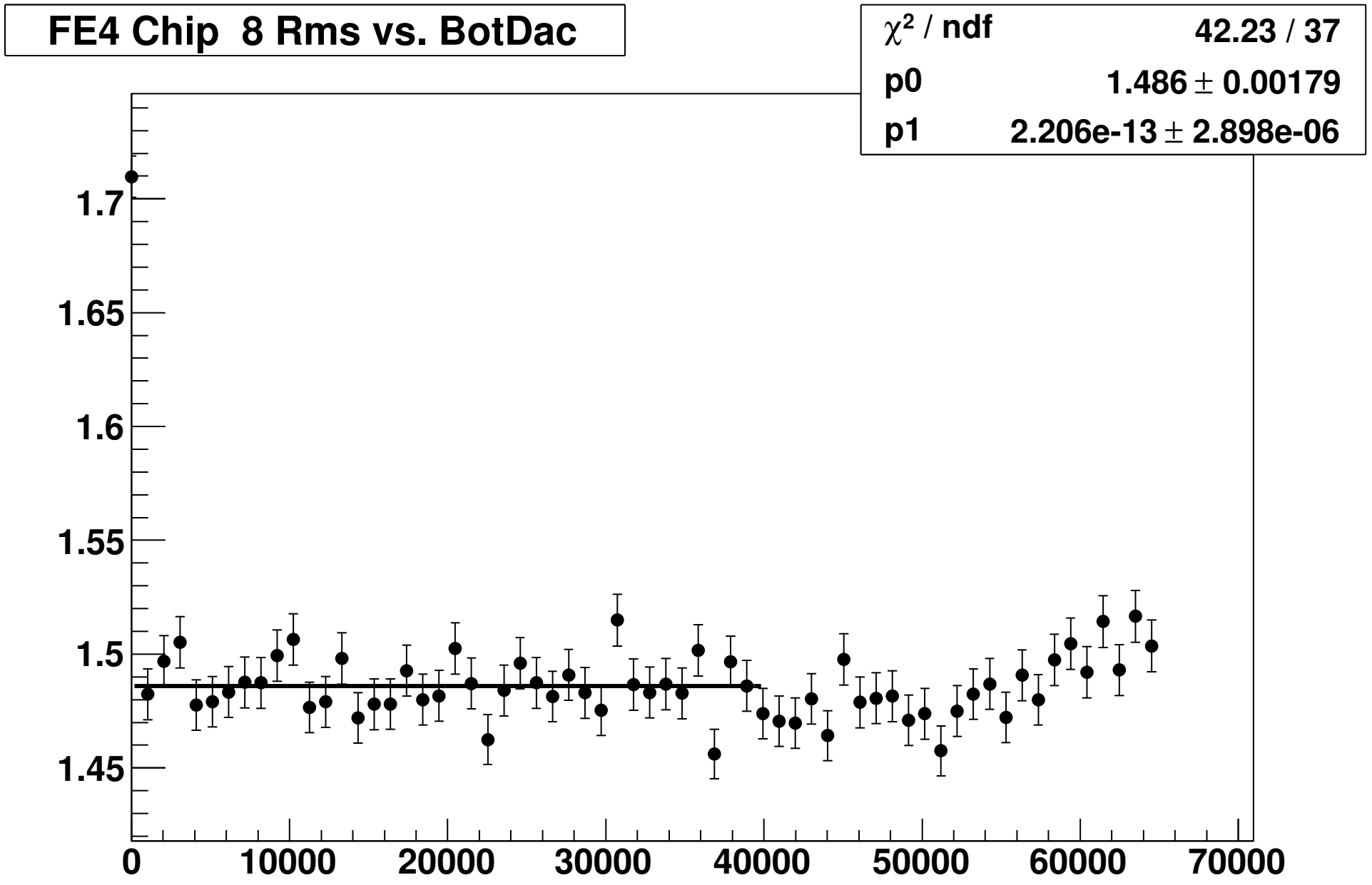

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 1865 / 37
p0 88.81 ± 0.005151
p1 9.371e-06 ± 2.191e-07
89.3
89.2
89.1
89
88.9
88.8
88.7
88.6
88.5
88.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 42.23 / 37
p0 1.486 ± 0.00179
p1 2.206e-13 ± 2.898e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
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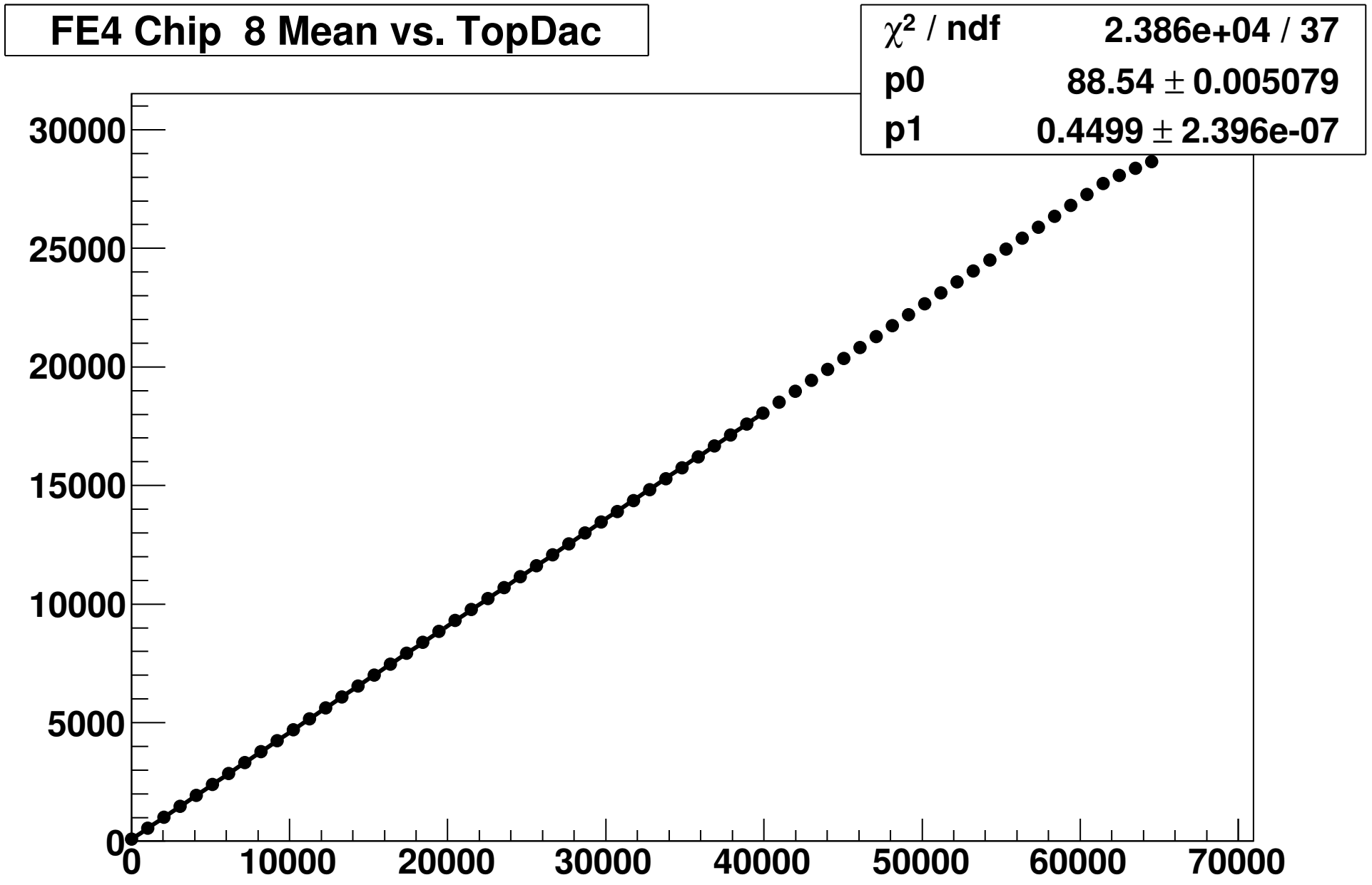
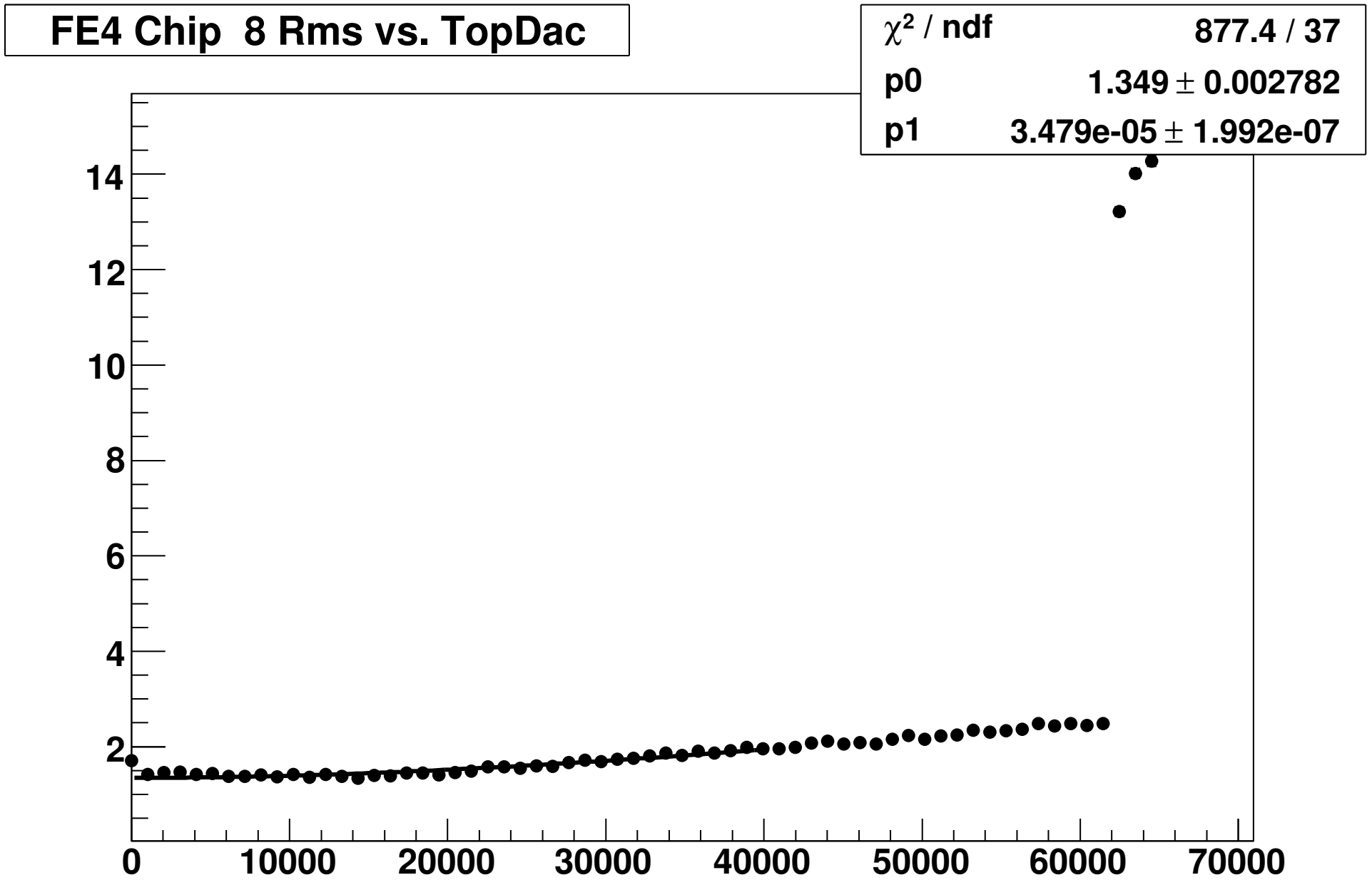
60000
70000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 2.386e+04 / 37
p0 88.54 ± 0.005079
p1 0.4499 ± 2.396e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 877.4 / 37
p0 1.349 ± 0.002782
p1 3.479e-05 ± 1.992e-07
14
12
10
8
6
4
2
0
10000
20000
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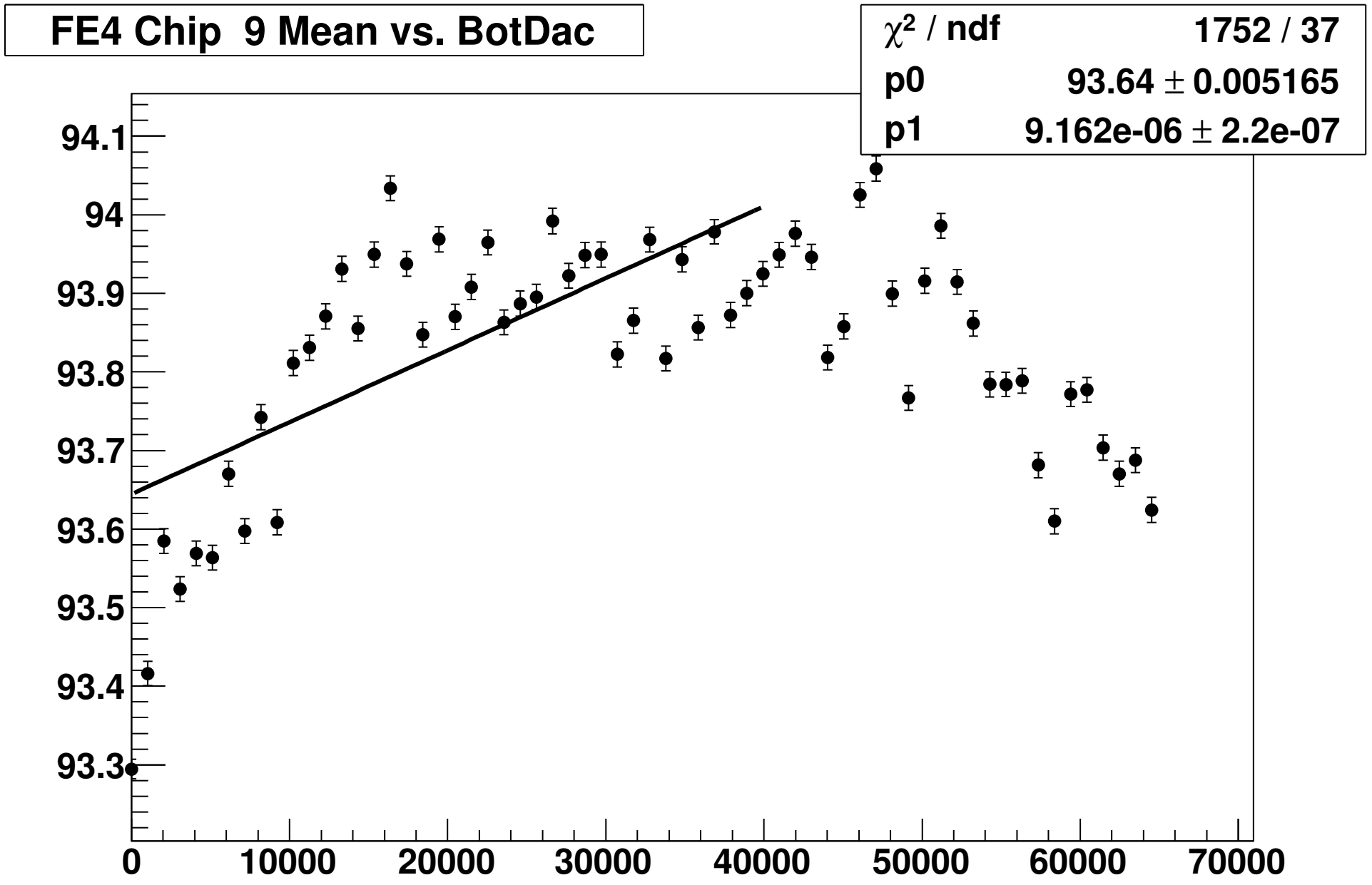
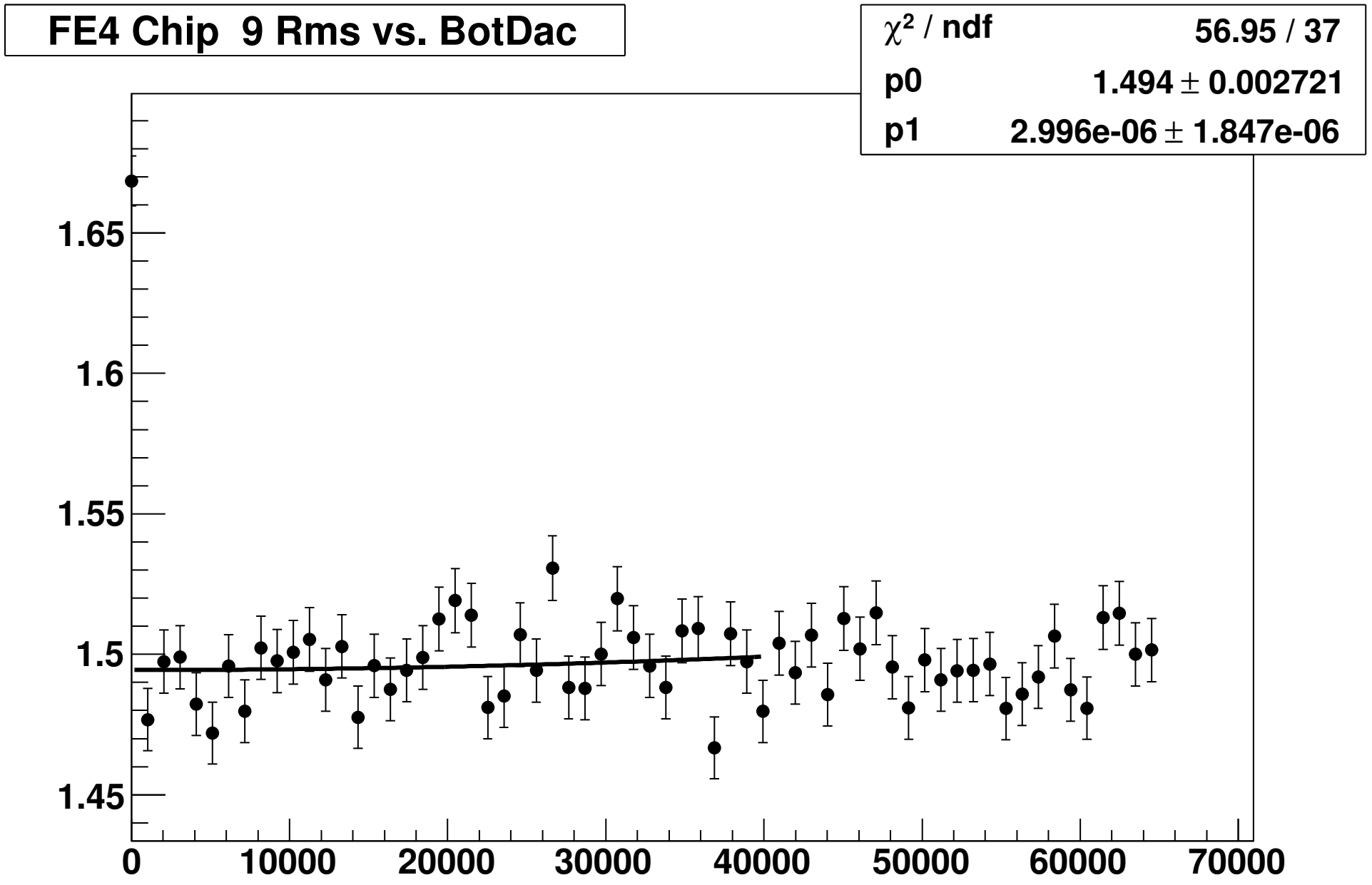

FE4 Chip 9 Mean vs. BotDac
χ² / ndf 1752 / 37
p0 93.64 ± 0.005165
p1 9.162e-06 ± 2.2e-07
94.1
94
93.9
93.8
93.7
93.6
93.5
93.4
93.3
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 56.95 / 37
p0 1.494 ± 0.002721
p1 2.996e-06 ± 1.847e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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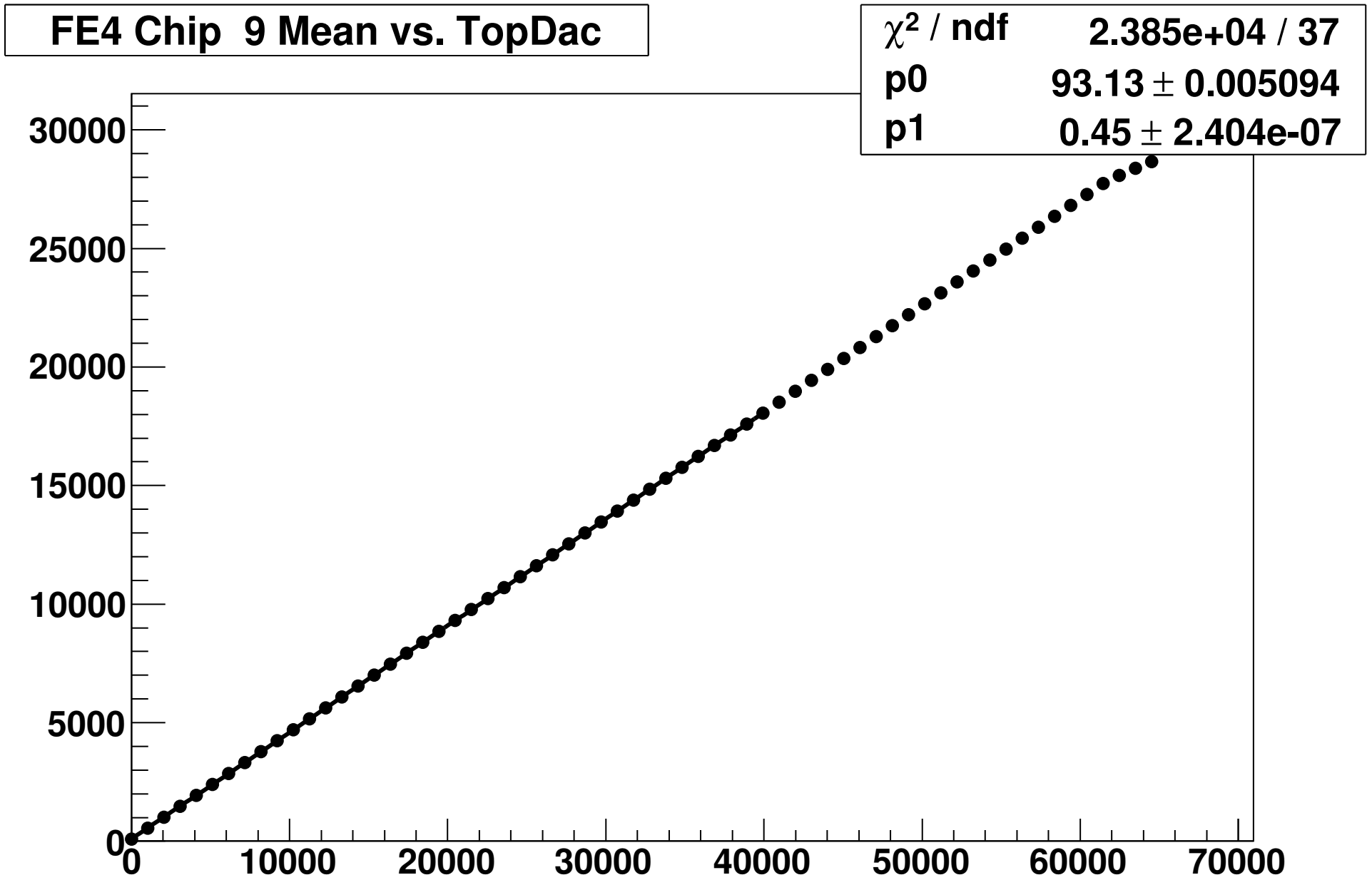
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 2.385e+04 / 37
p0 93.13 ± 0.005094
p1 0.45 ± 2.404e-07
30000
25000
20000
15000
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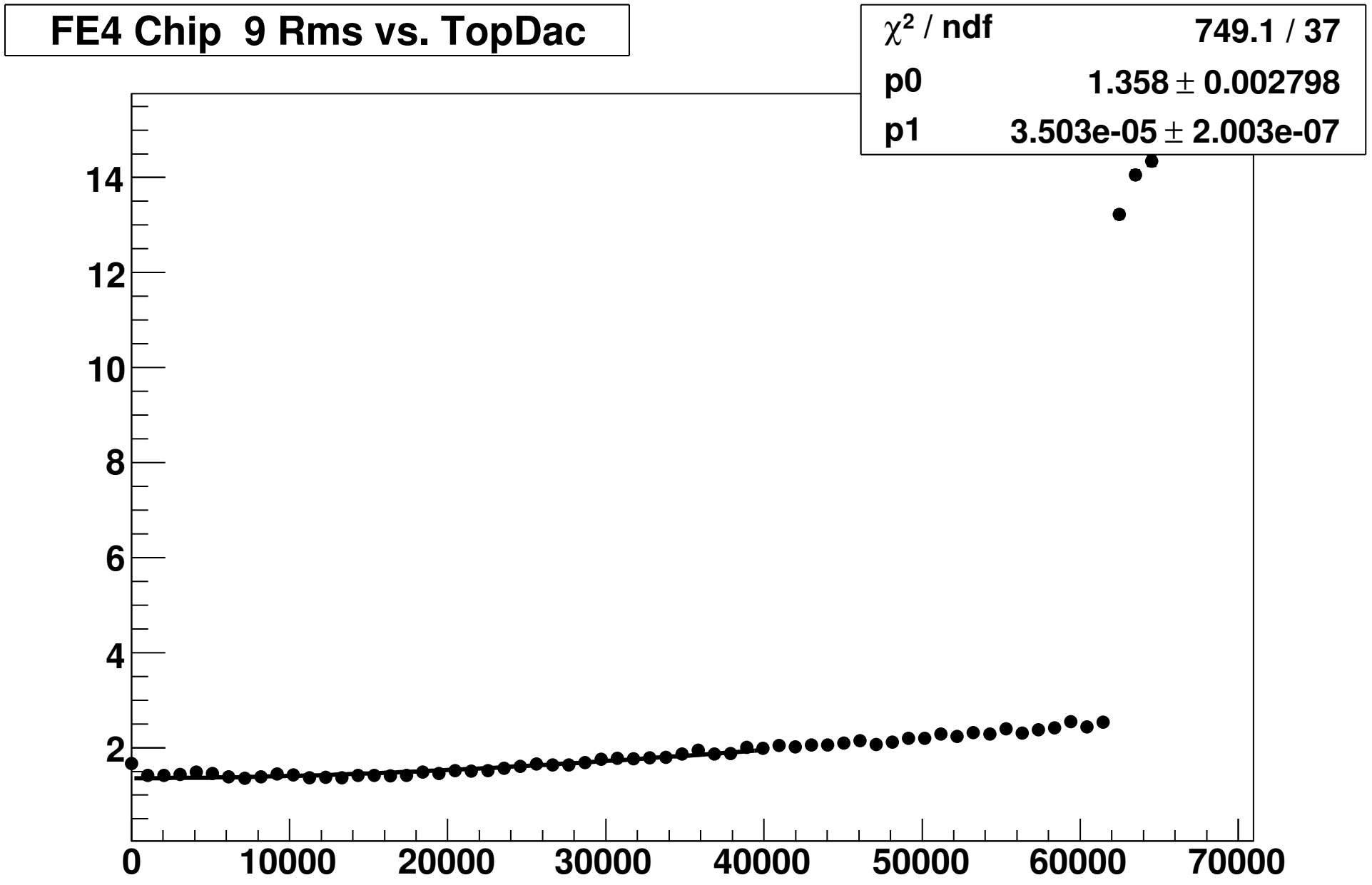
FE4 Chip 9 Rms vs. TopDac
χ² / ndf 749.1 / 37
p0 1.358 ± 0.002798
p1 3.503e-05 ± 2.003e-07
14
12
10
8
6
4
2
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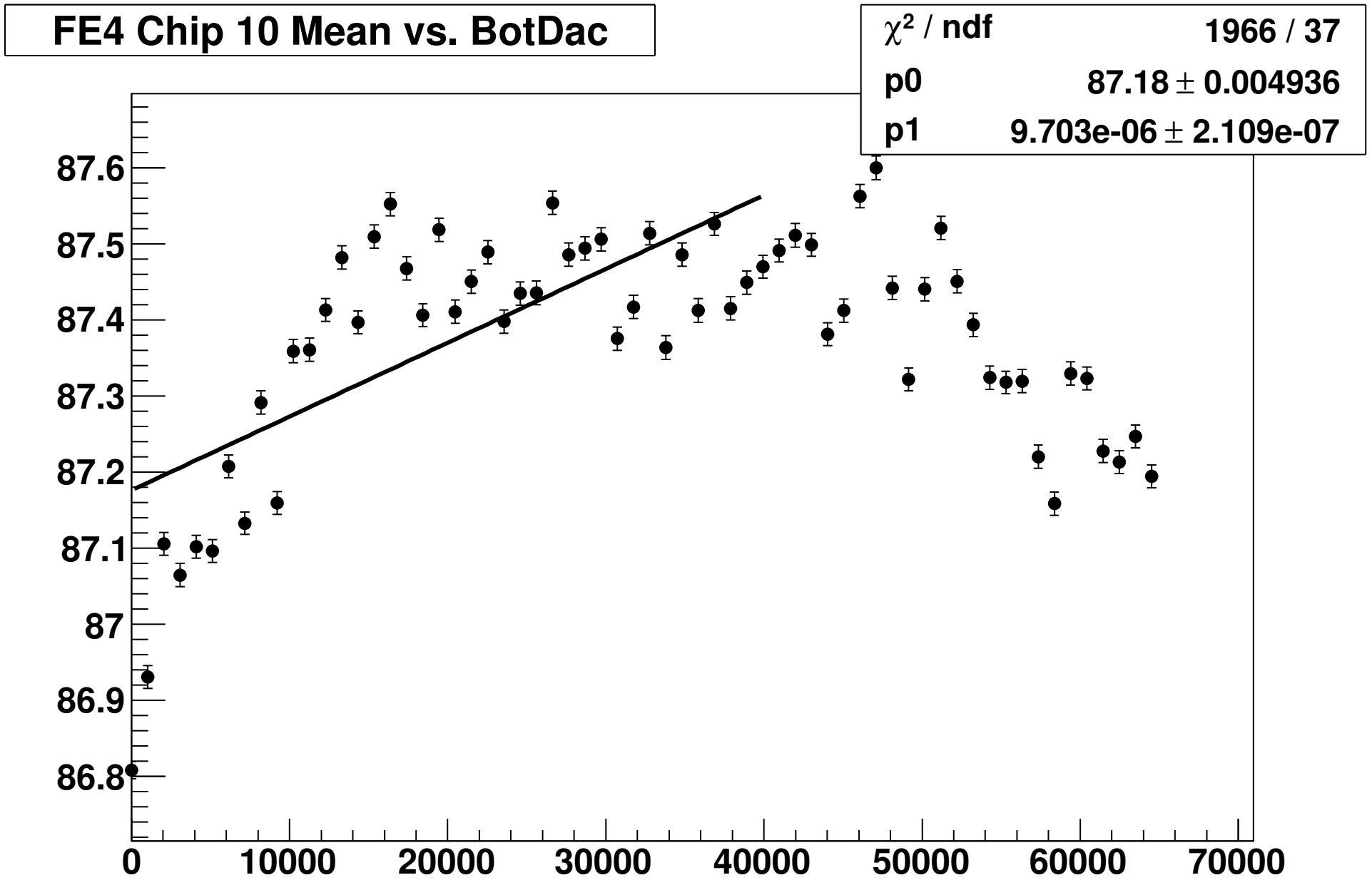
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 1966 / 37
p0 87.18 ± 0.004936
p1 9.703e-06 ± 2.109e-07
87.6
87.5
87.4
87.3
87.2
87.1
87
86.9
86.8
0
10000
20000
30000
40000
50000
60000
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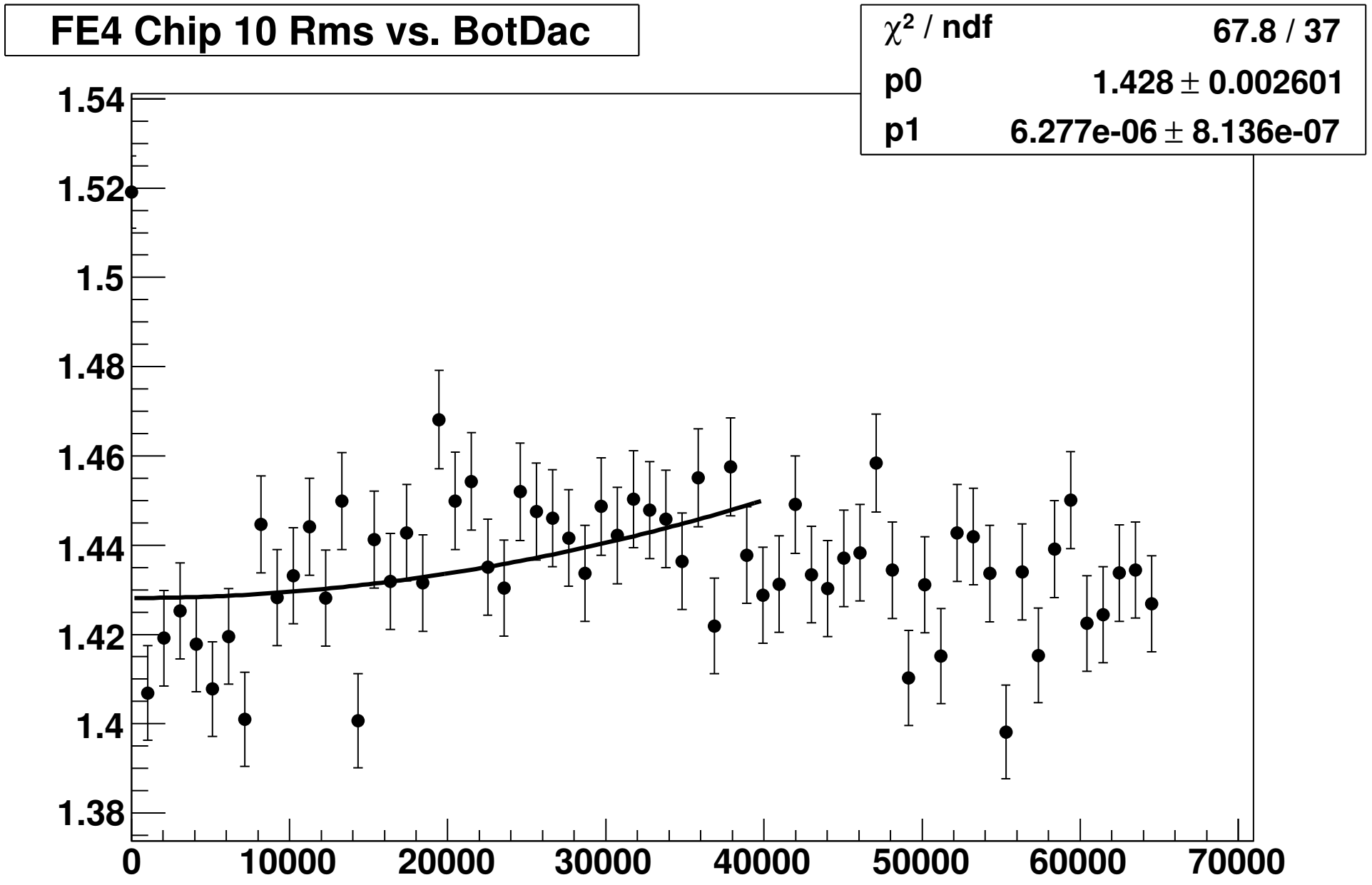
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 67.8 / 37
p0 1.428 ± 0.002601
p1 6.277e-06 ± 8.136e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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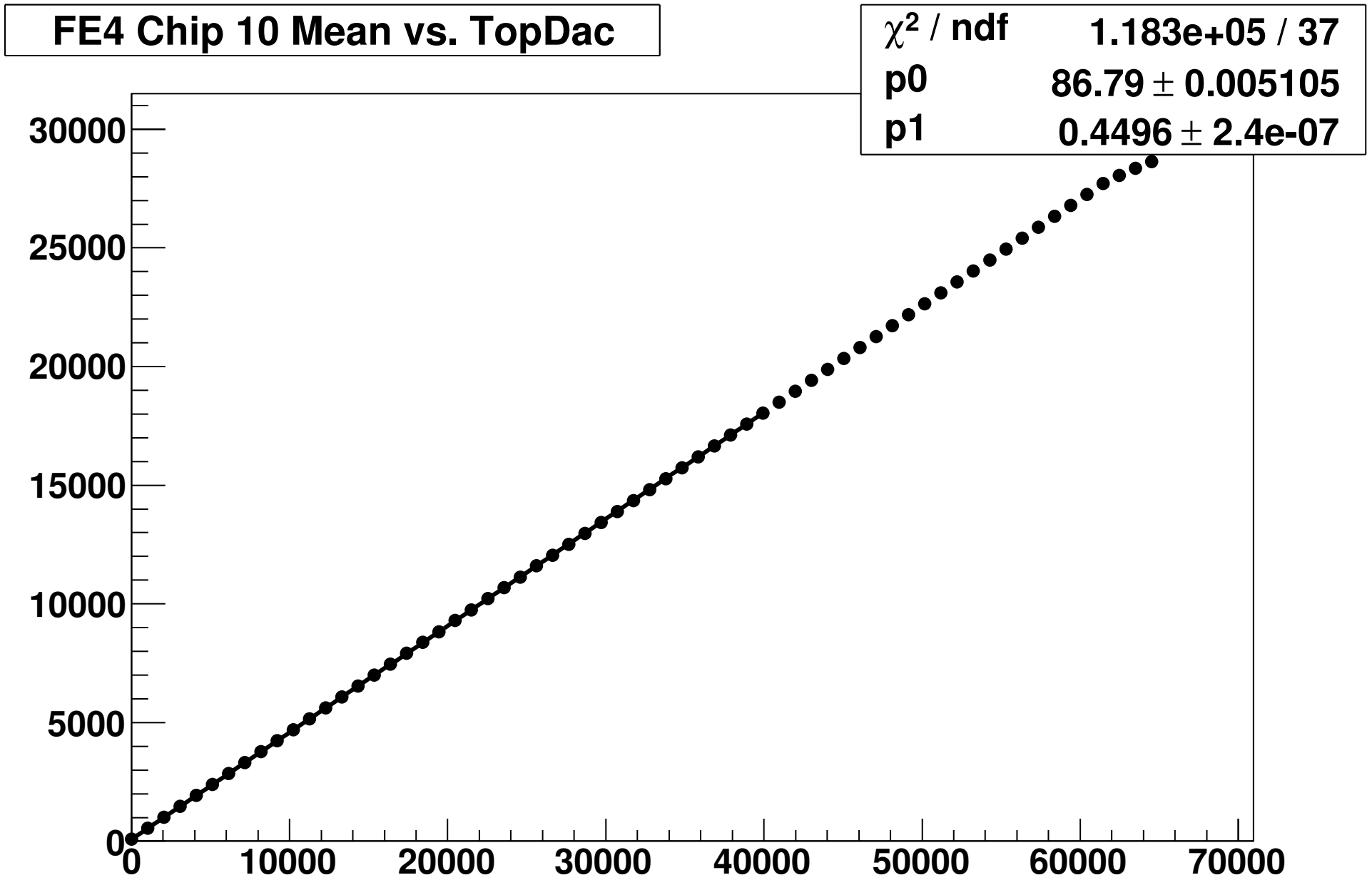
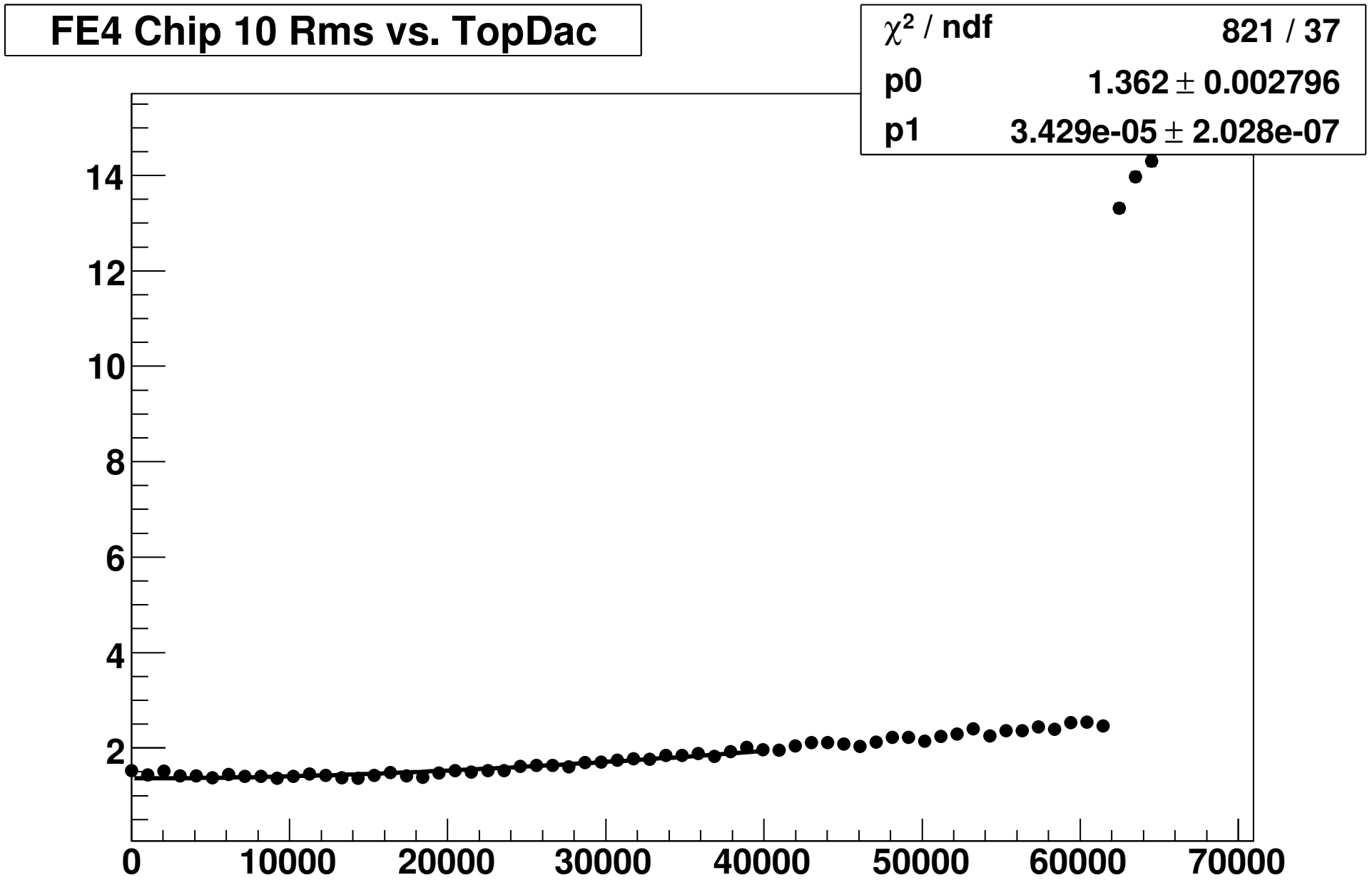
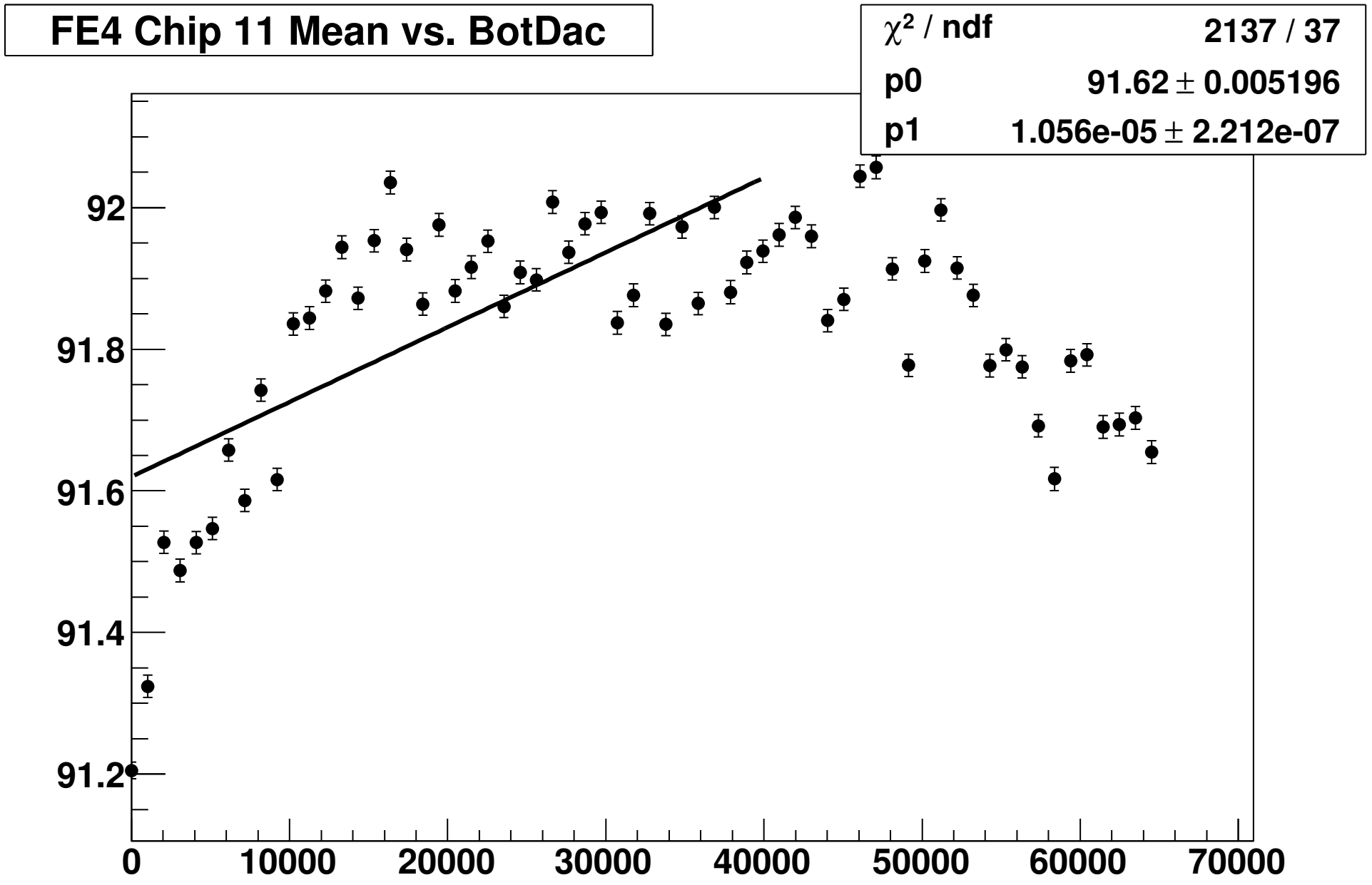
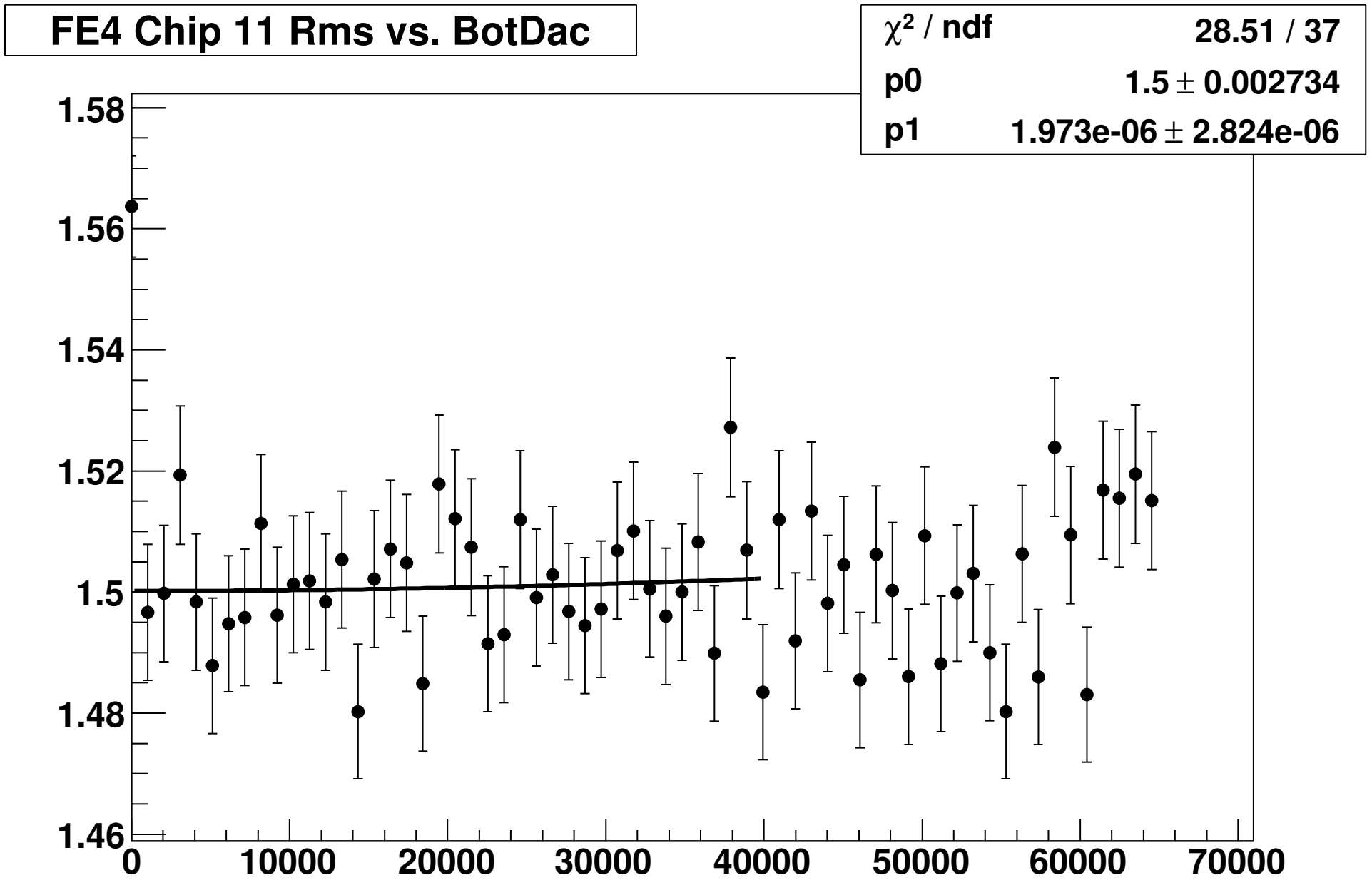
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 1.183e+05 / 37
p0 86.79 ± 0.005105
p1 0.4496 ± 2.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 821 / 37
p0 1.362 ± 0.002796
p1 3.429e-05 ± 2.028e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 2137 / 37
p0 91.62 ± 0.005196
p1 1.056e-05 ± 2.212e-07
92
91.8
91.6
91.4
91.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 28.51 / 37
p0 1.5 ± 0.002734
p1 1.973e-06 ± 2.824e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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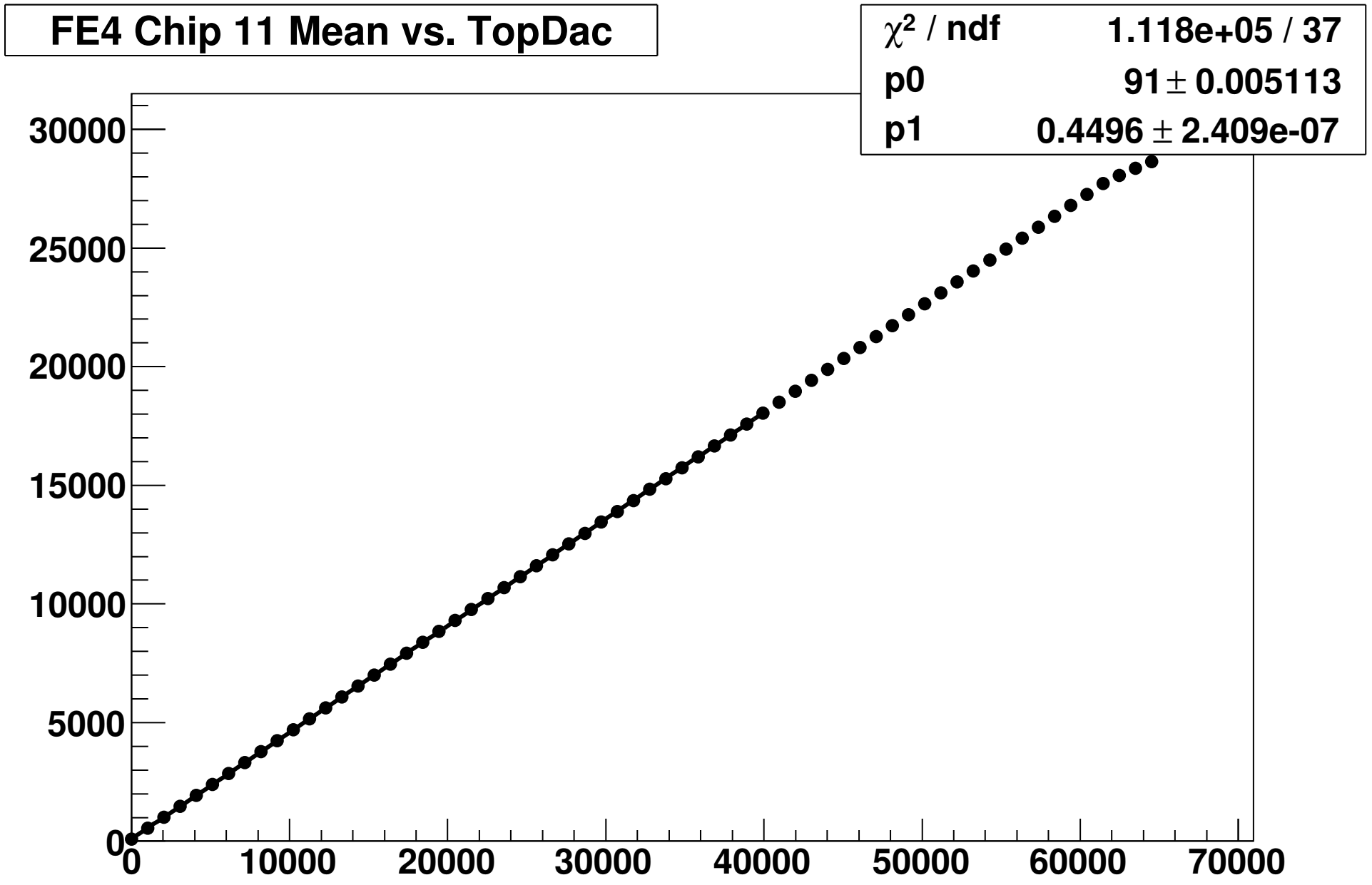
40000
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 1.118e+05 / 37
p0 91 ± 0.005113
p1 0.4496 ± 2.409e-07
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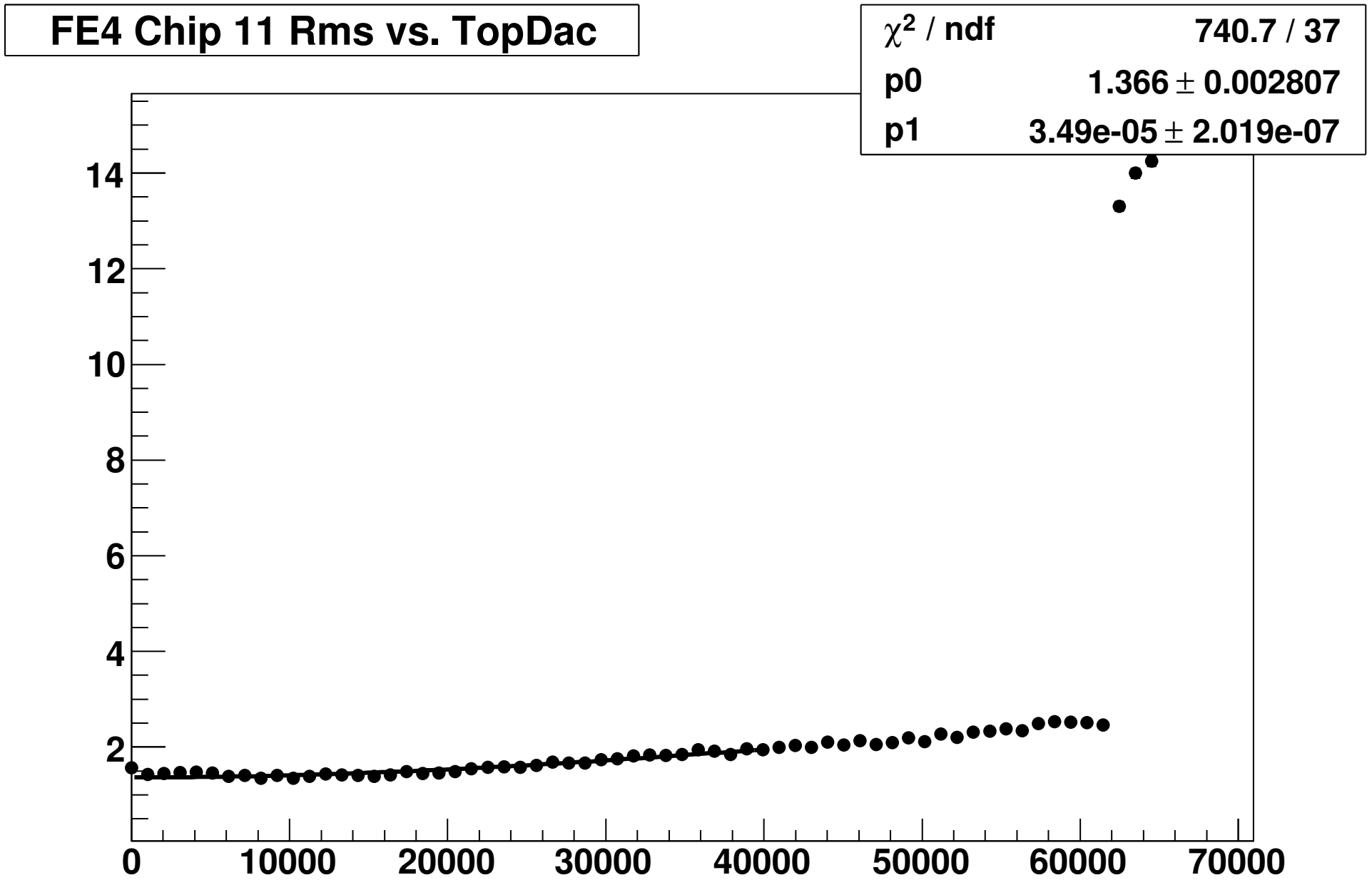
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 740.7 / 37
p0 1.366 ± 0.002807
p1 3.49e-05 ± 2.019e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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60000
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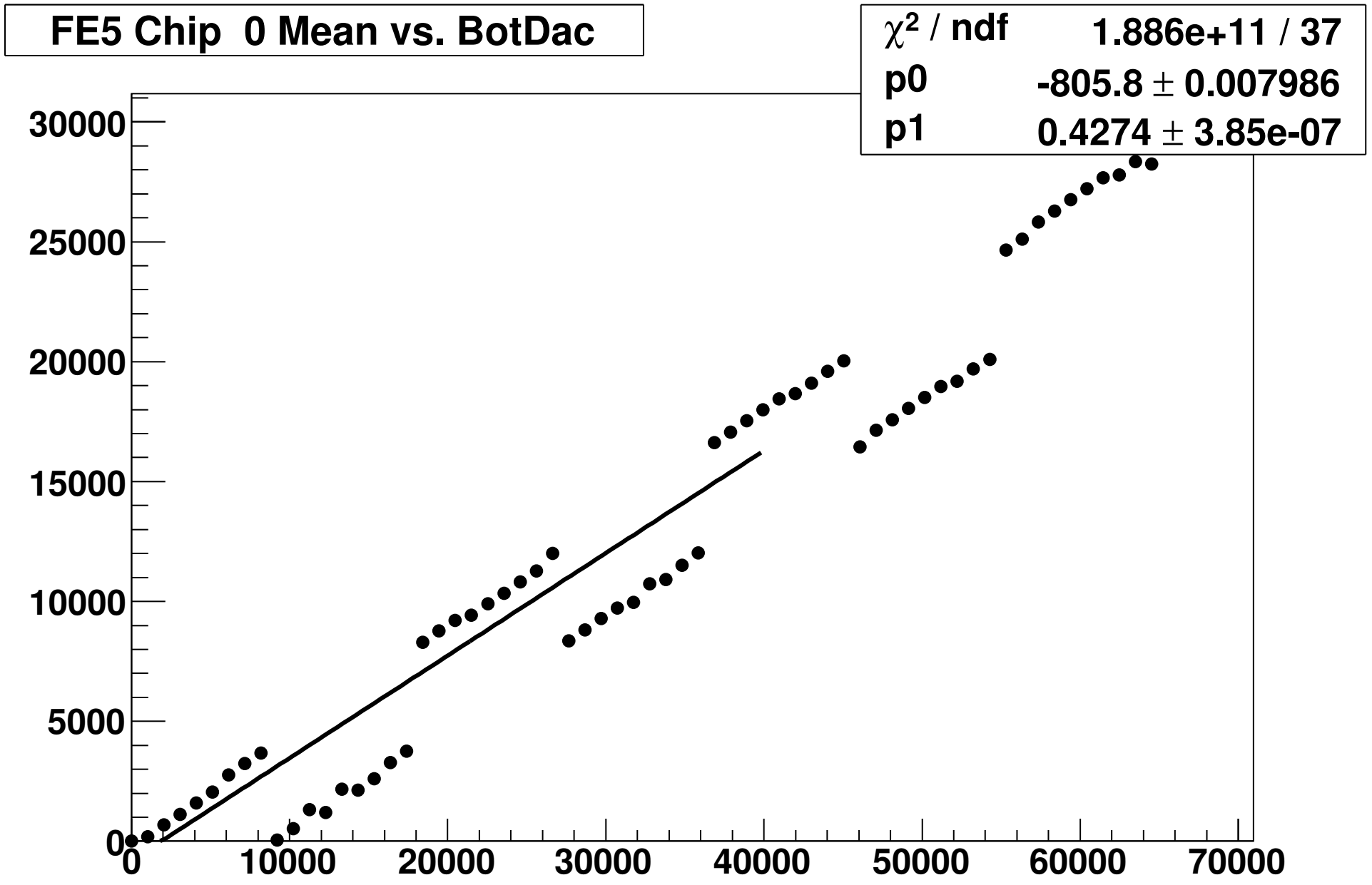
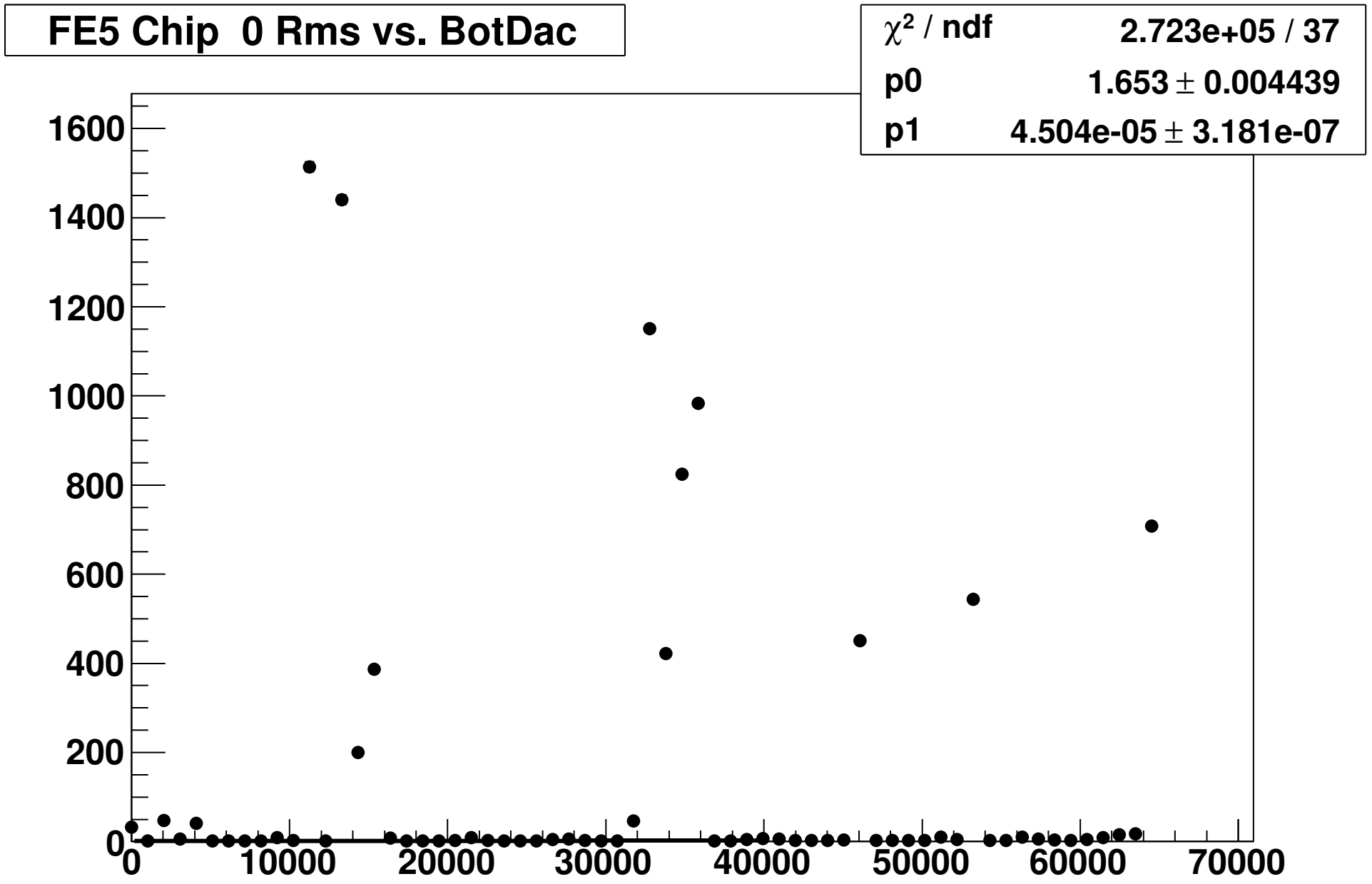
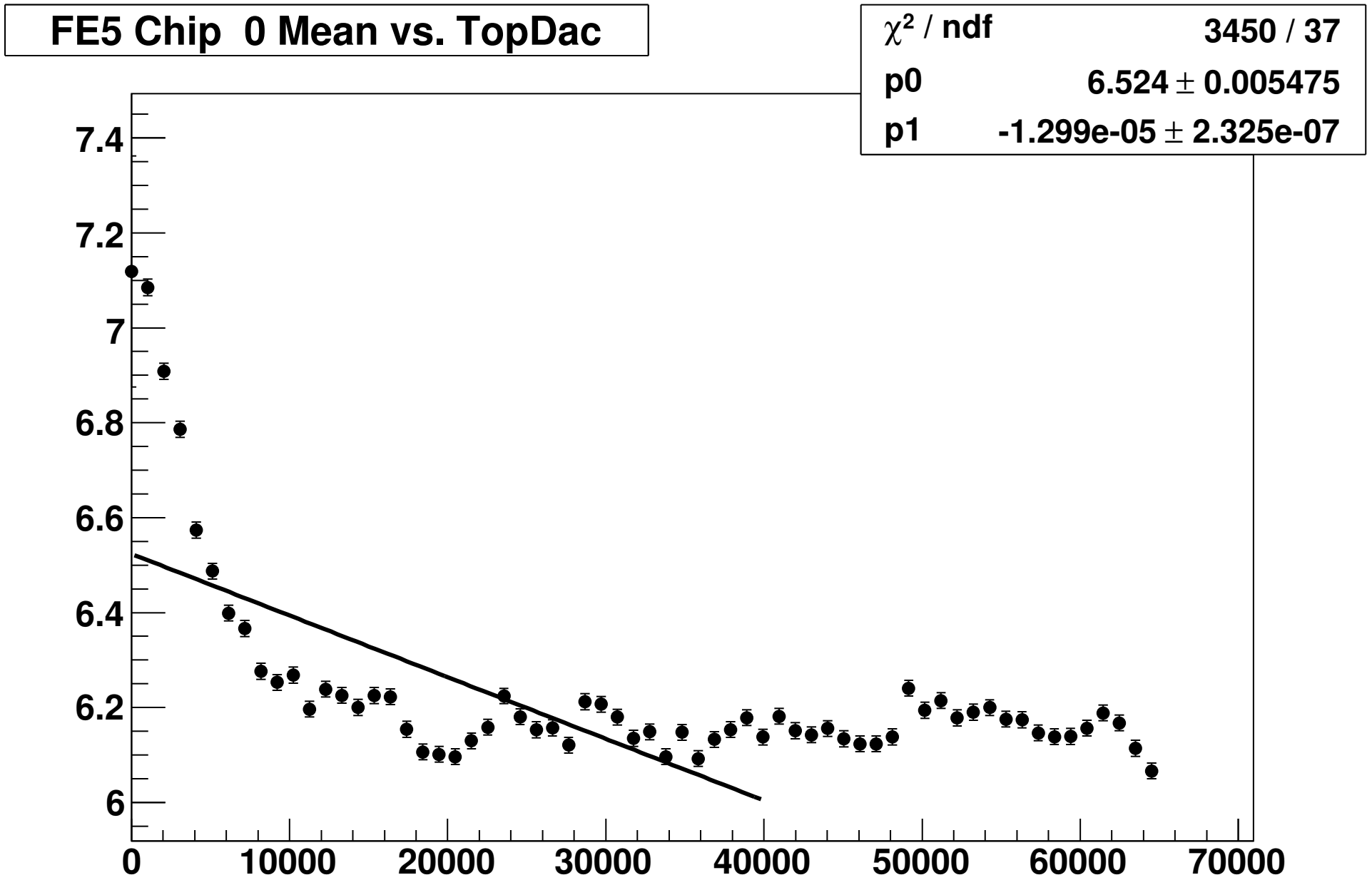
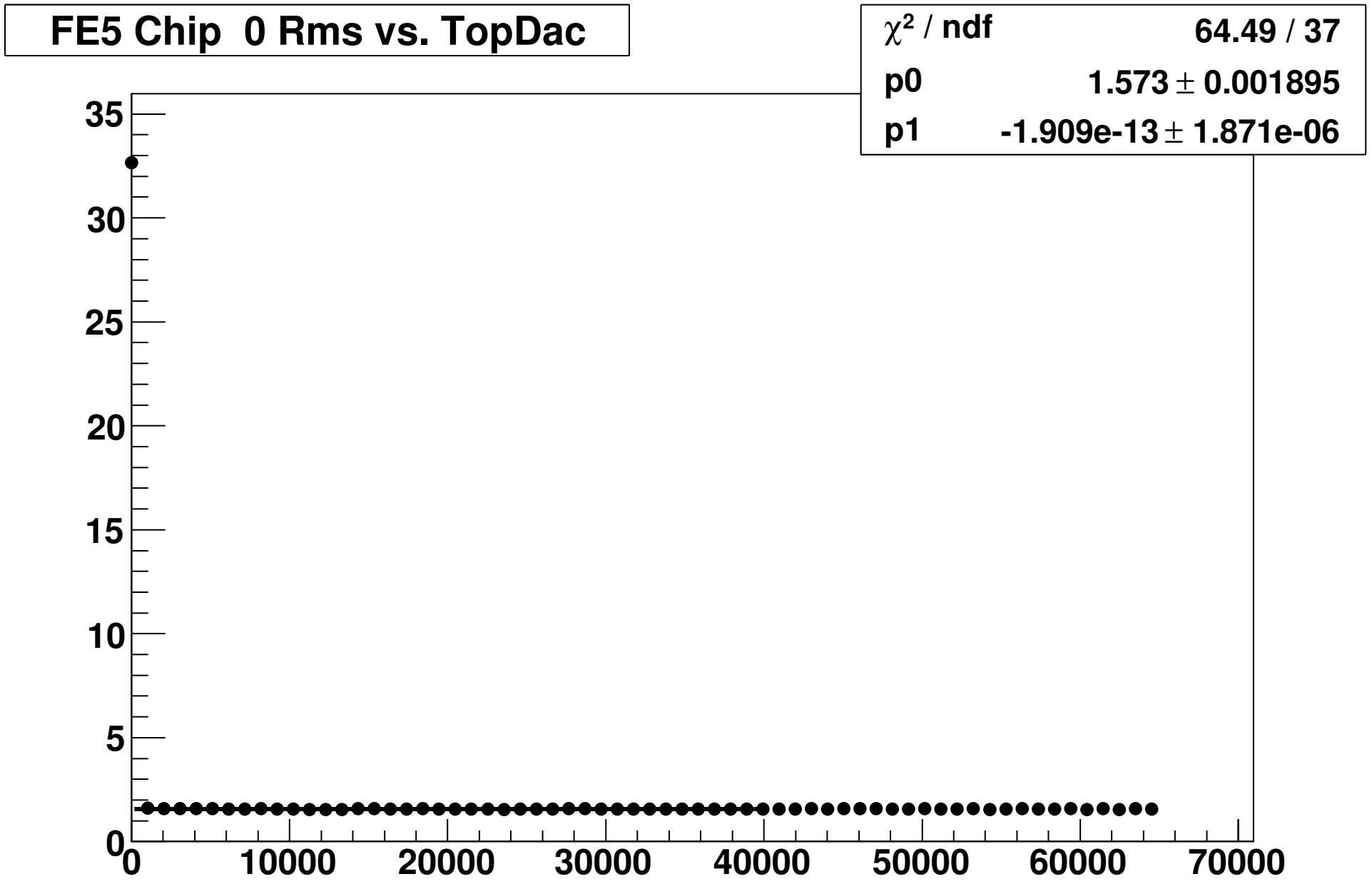
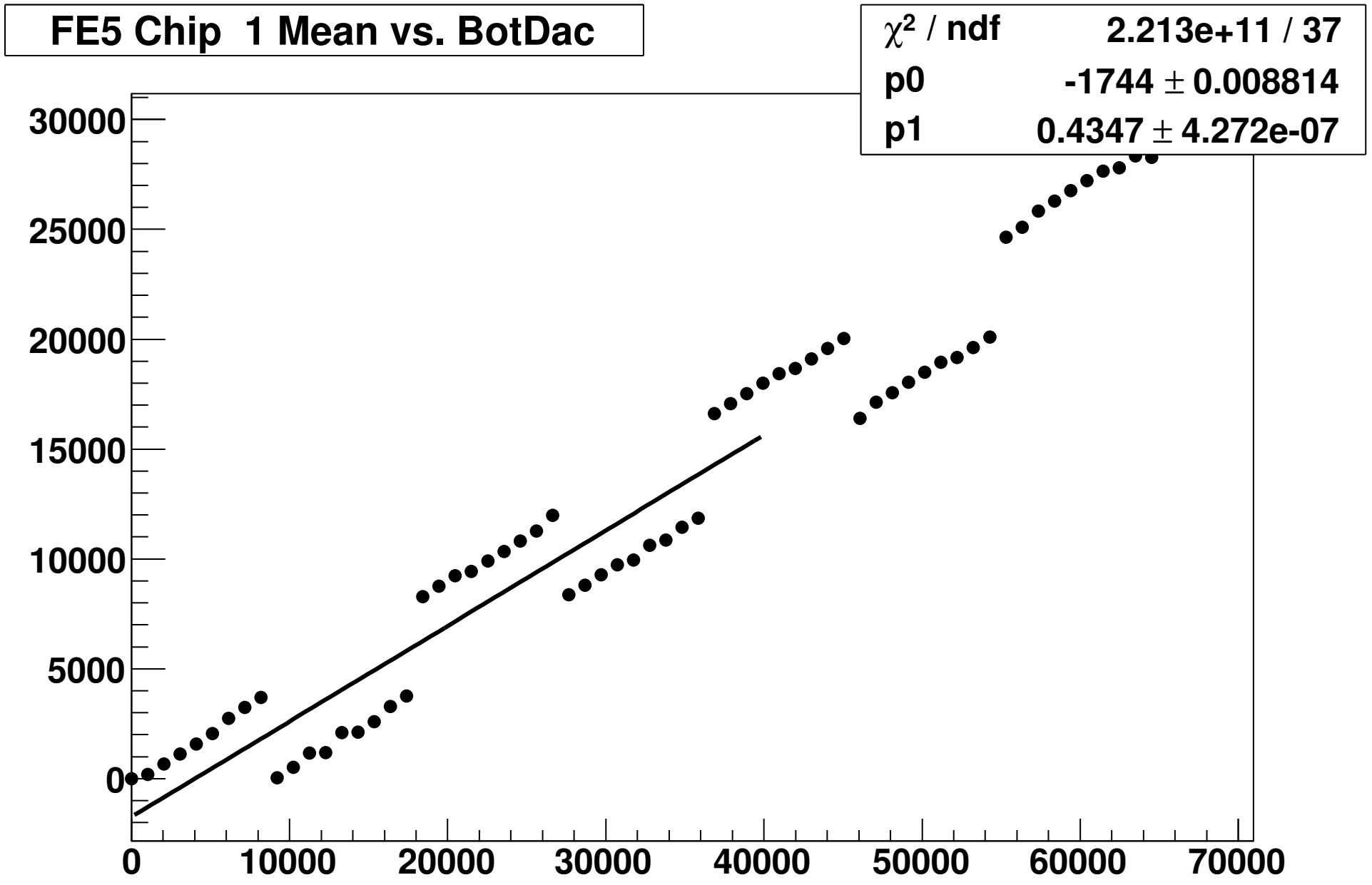
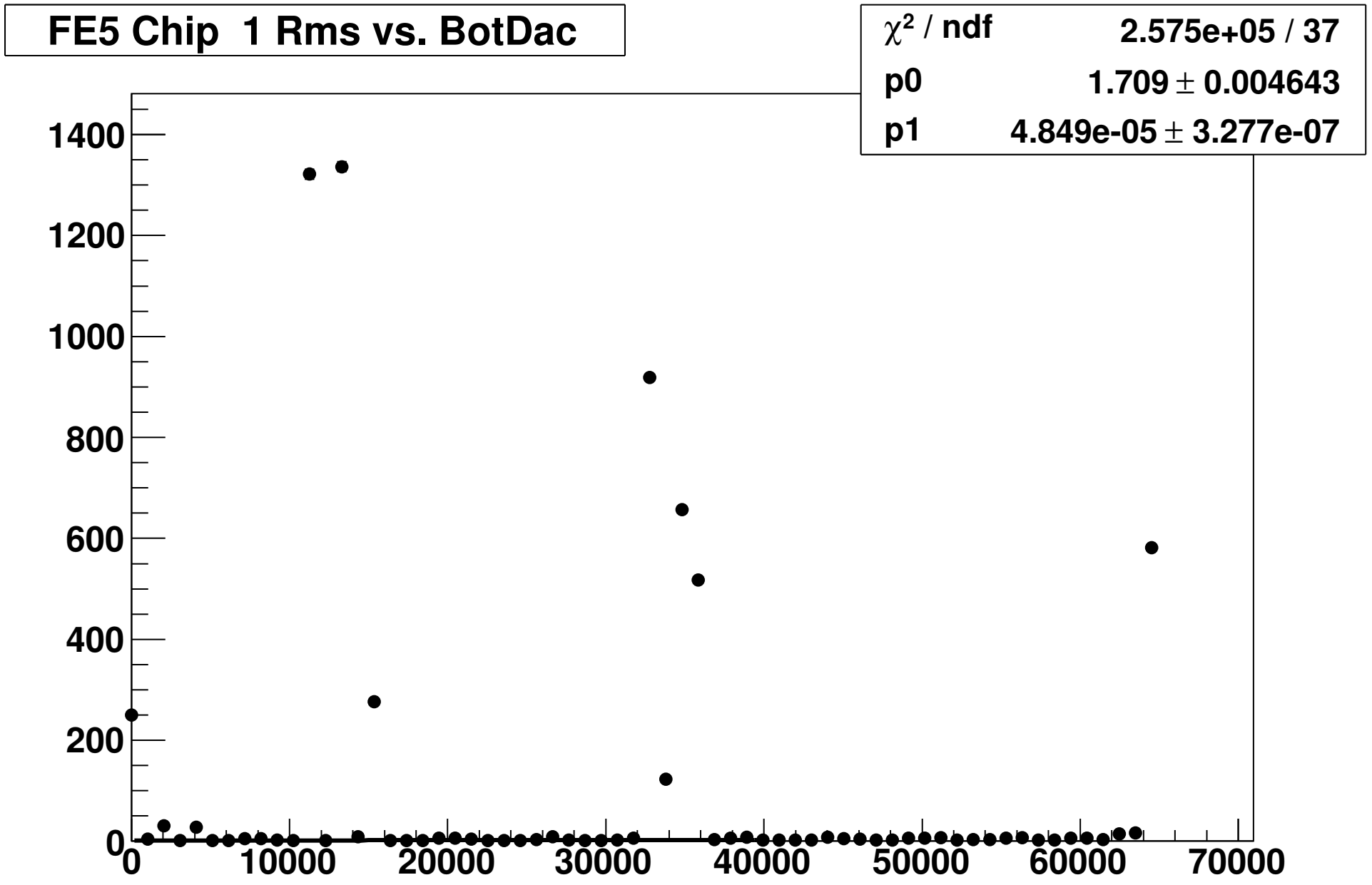

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.886e+11 / 37
p0 -805.8 ± 0.007986
p1 0.4274 ± 3.85e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

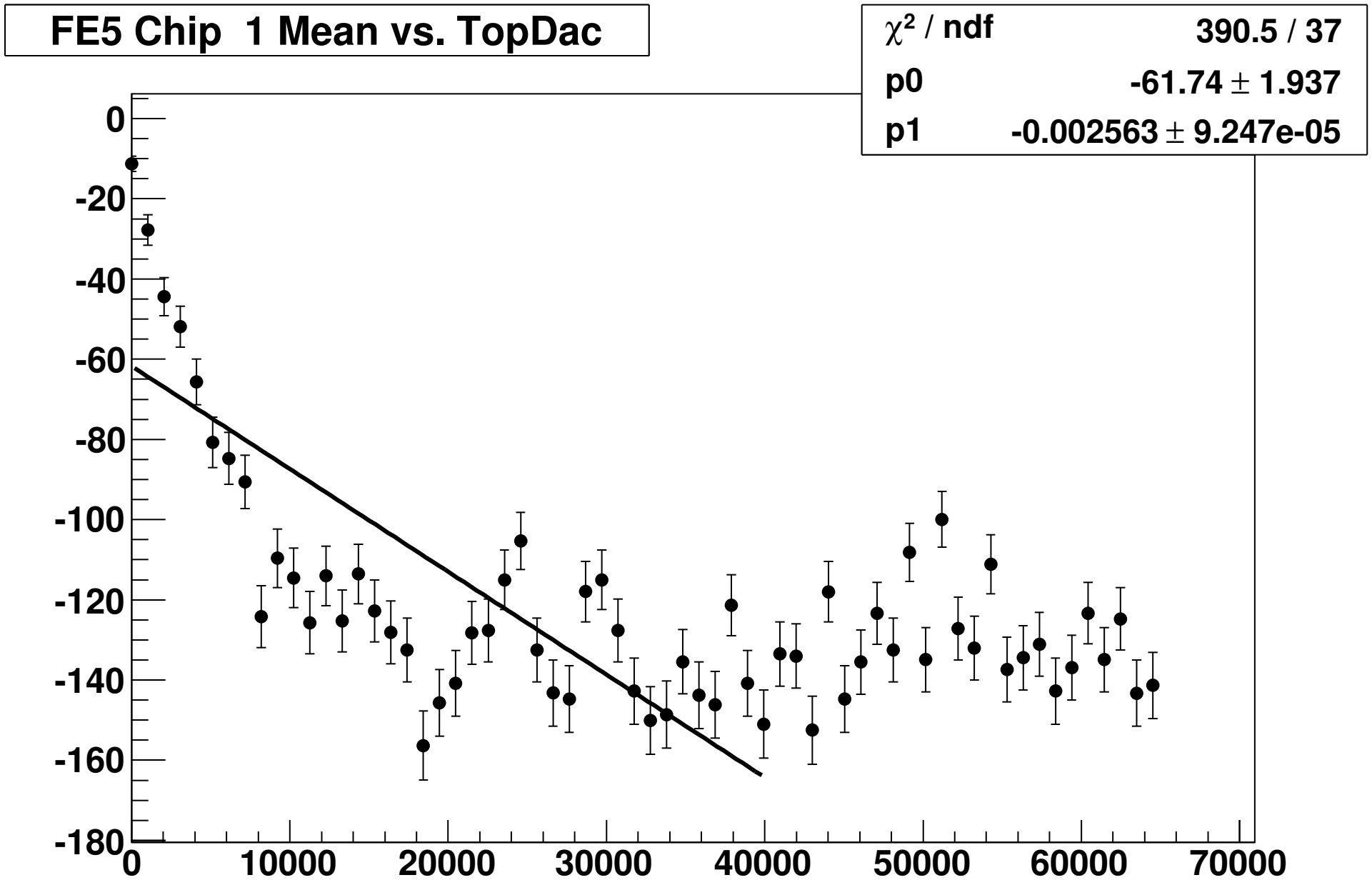

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 2.723e+05 / 37
p0 1.653 ± 0.004439
p1 4.504e-05 ± 3.181e-07
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 3450 / 37
p0 6.524 ± 0.005475
p1 -1.299e-05 ± 2.325e-07
7.4
7.2
7
6.8
6.6
6.4
6.2
6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 64.49 / 37
p0 1.573 ± 0.001895
p1 -1.909e-13 ± 1.871e-06
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 2.213e+11 / 37
p0 -1744 ± 0.008814
p1 0.4347 ± 4.272e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 2.575e+05 / 37
p0 1.709 ± 0.004643
p1 4.849e-05 ± 3.277e-07
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 390.5 / 37
p0 -61.74 ± 1.937
p1 -0.002563 ± 9.247e-05
0
-20
-40
-60
-80
-100
-120
-140
-160
-180
0
10000
20000
30000
40000
50000
60000
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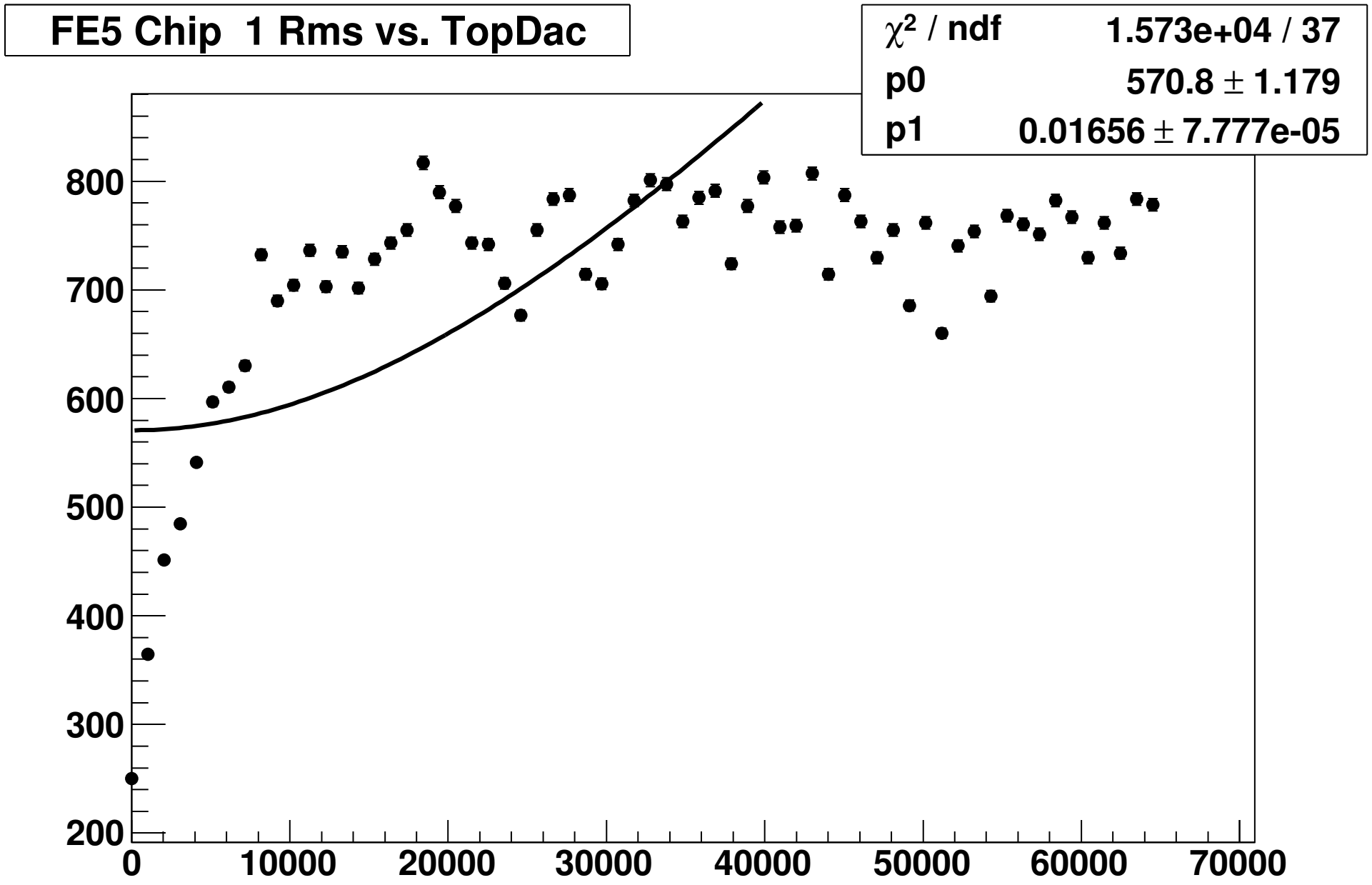
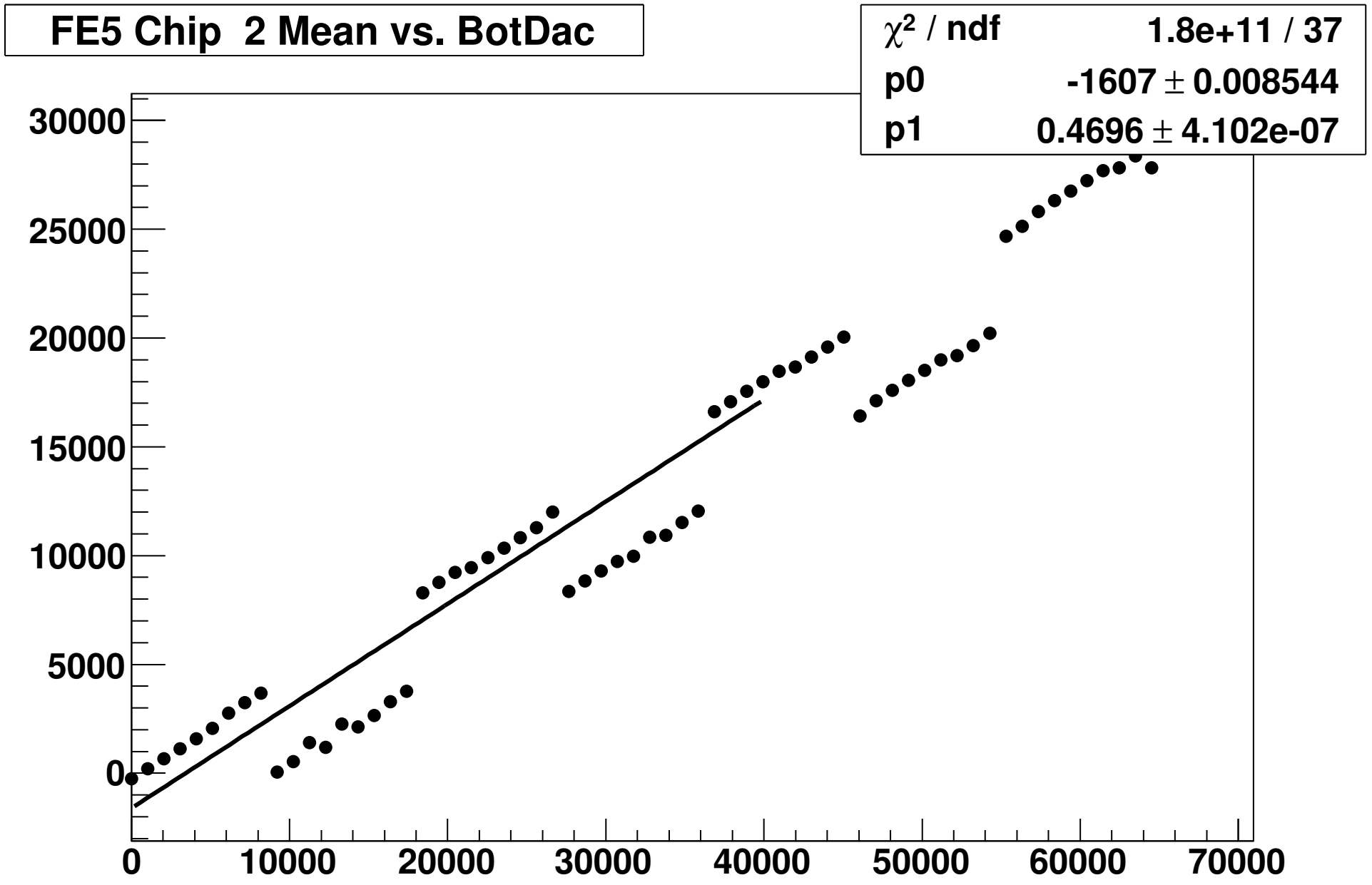
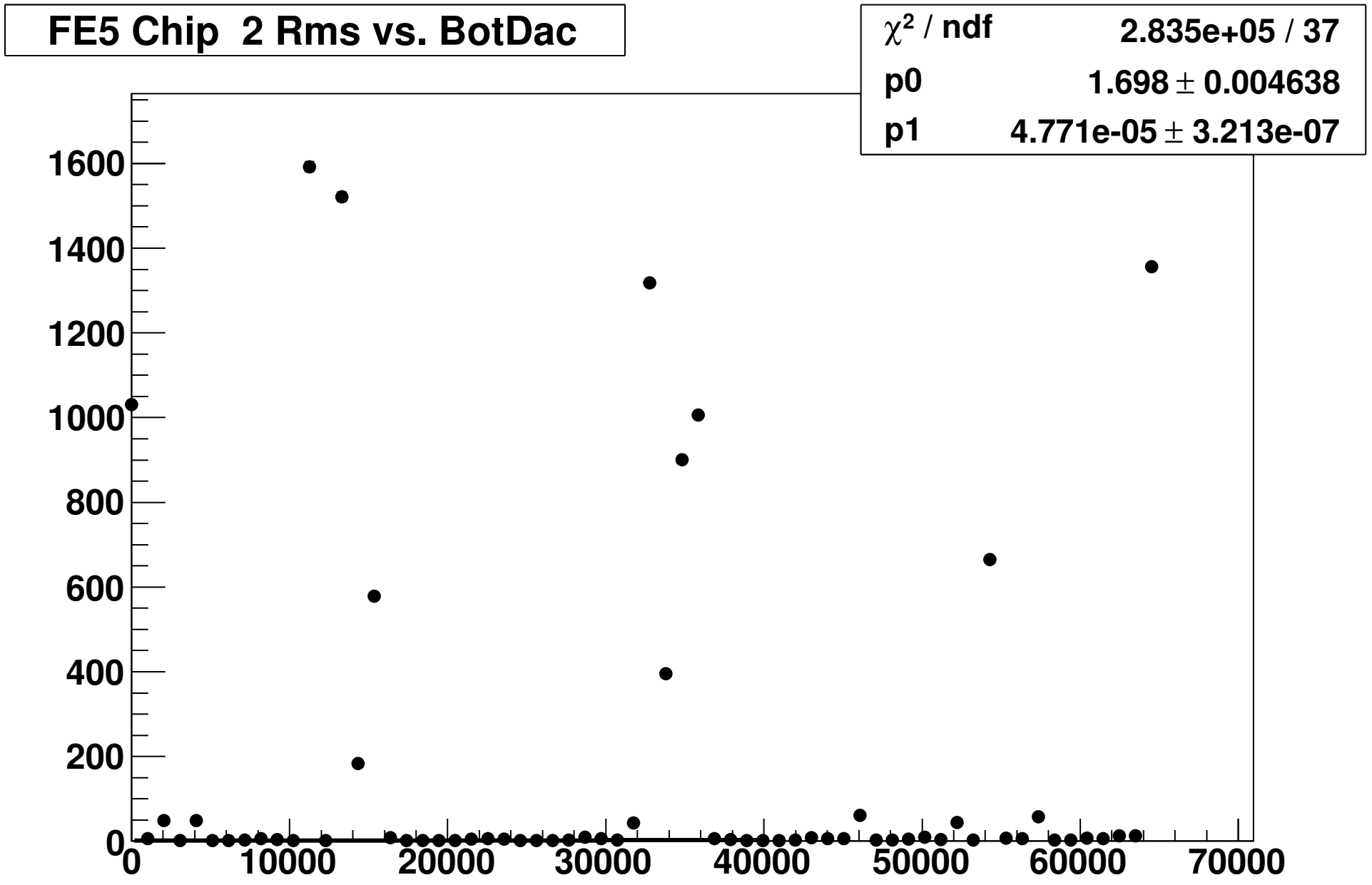
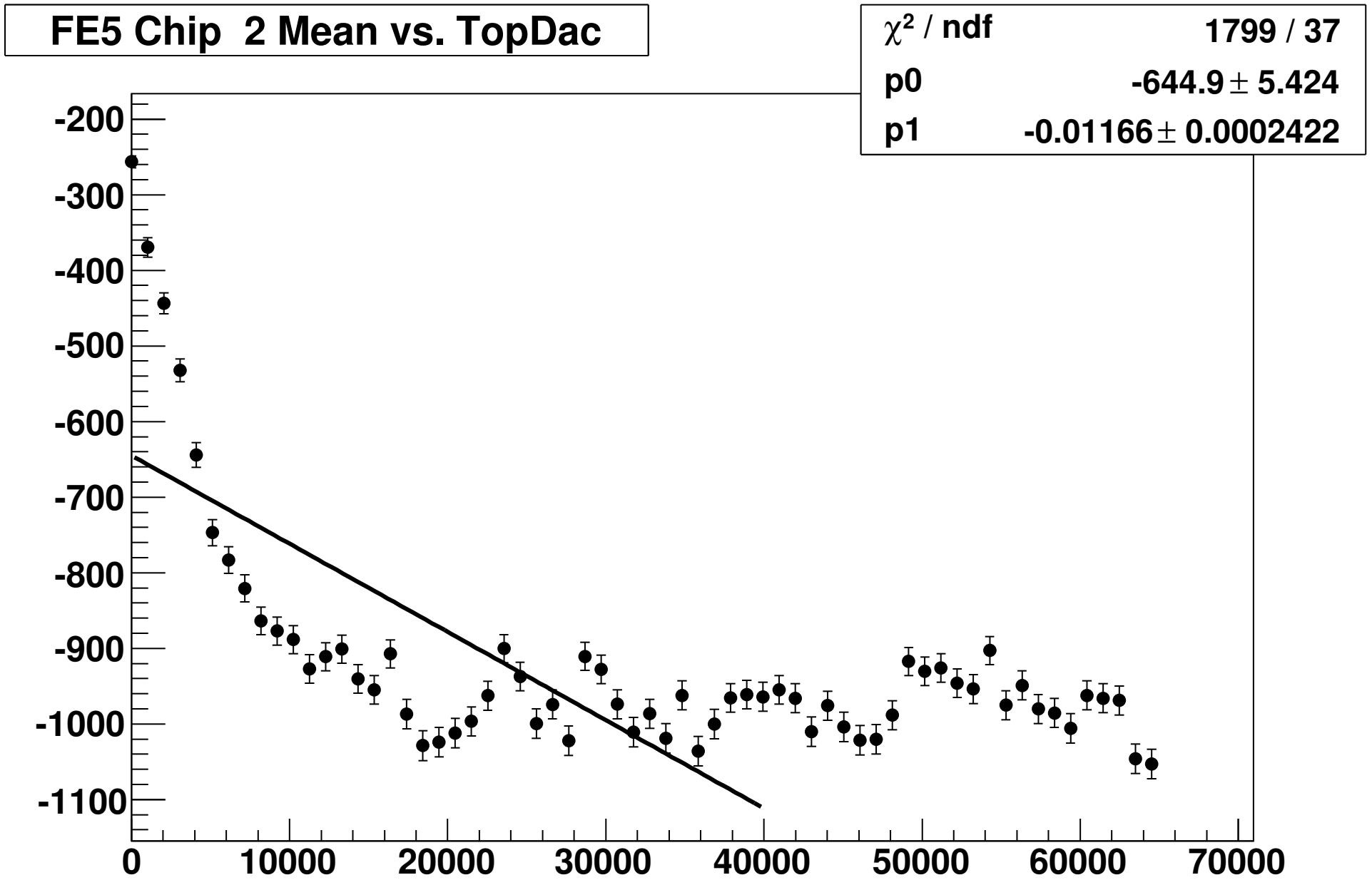
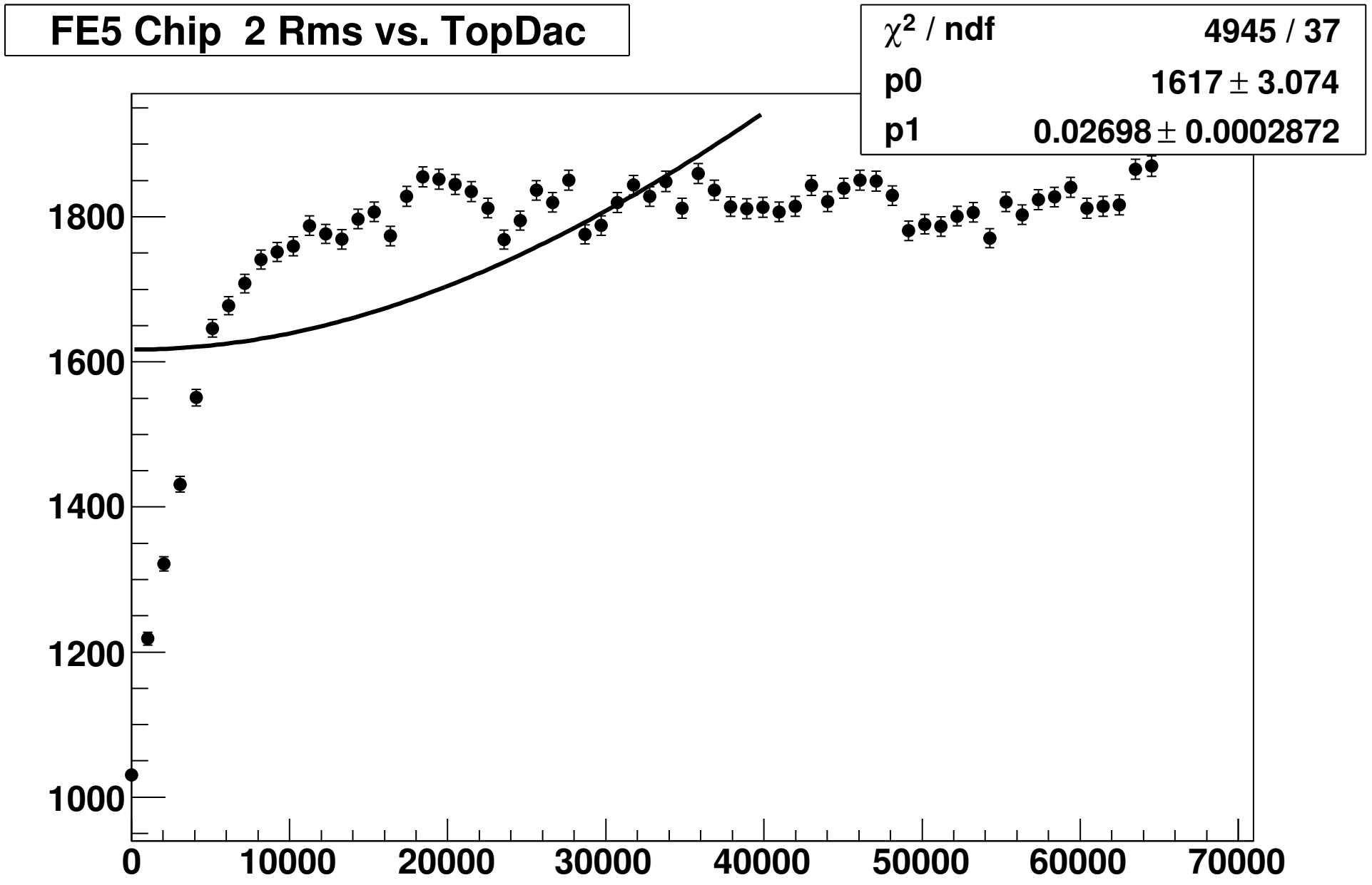
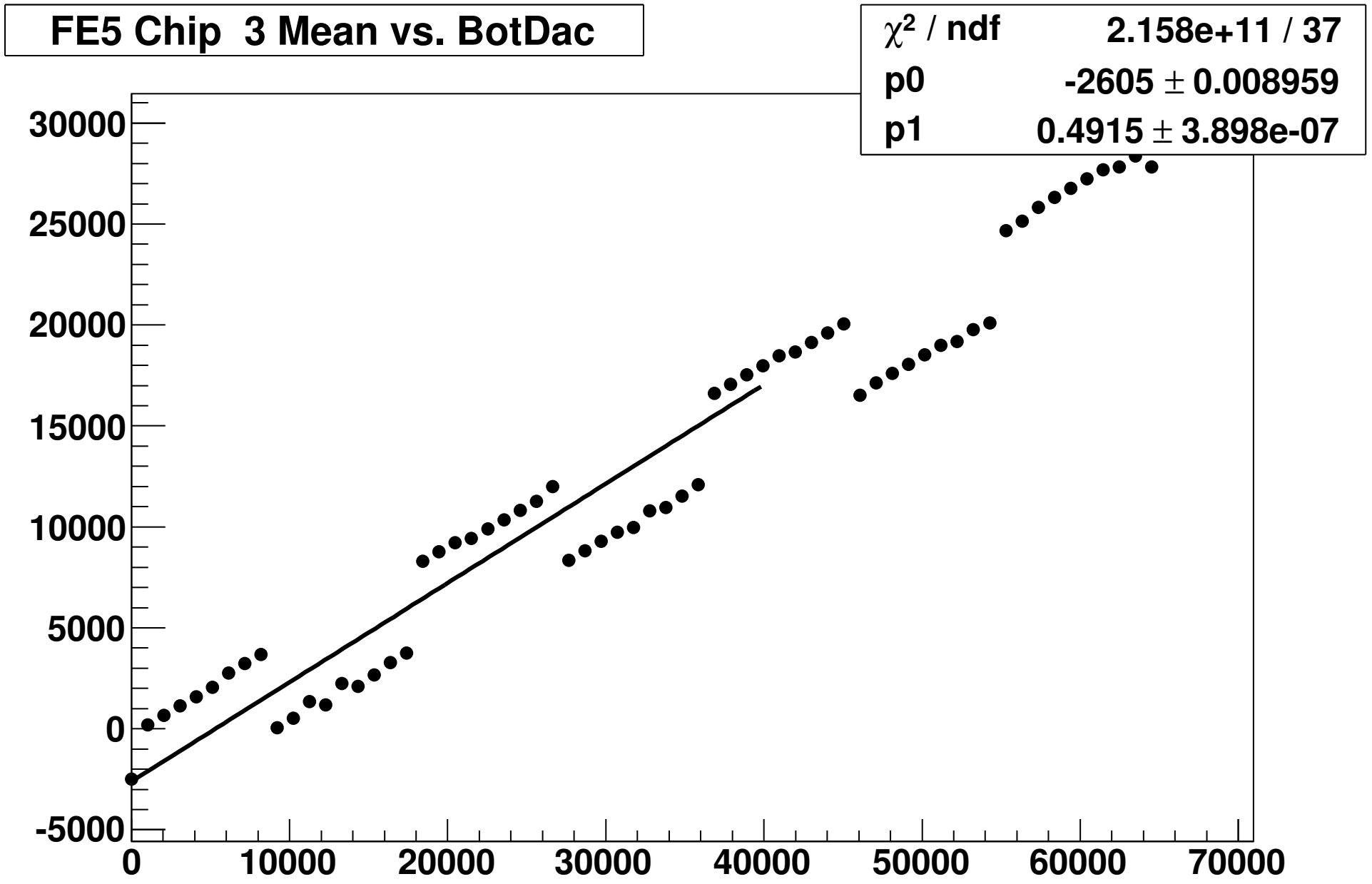

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 1.573e+04 / 37
p0 570.8 ± 1.179
p1 0.01656 ± 7.777e-05
800
700
600
500
400
300
200
0
10000
20000
30000
40000
50000
60000
70000

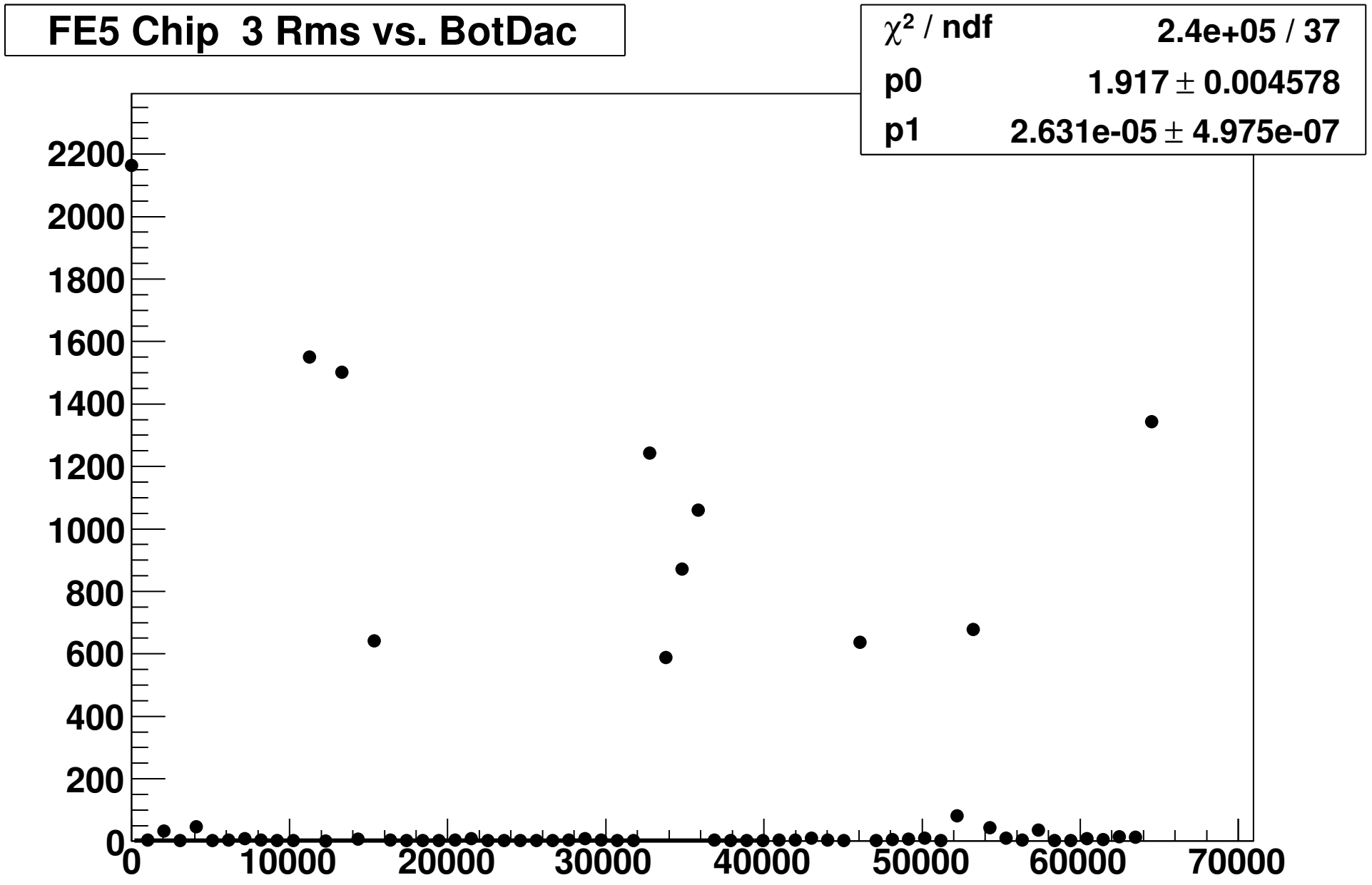

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.8e+11 / 37
p0 -1607 ± 0.008544
p1 0.4696 ± 4.102e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

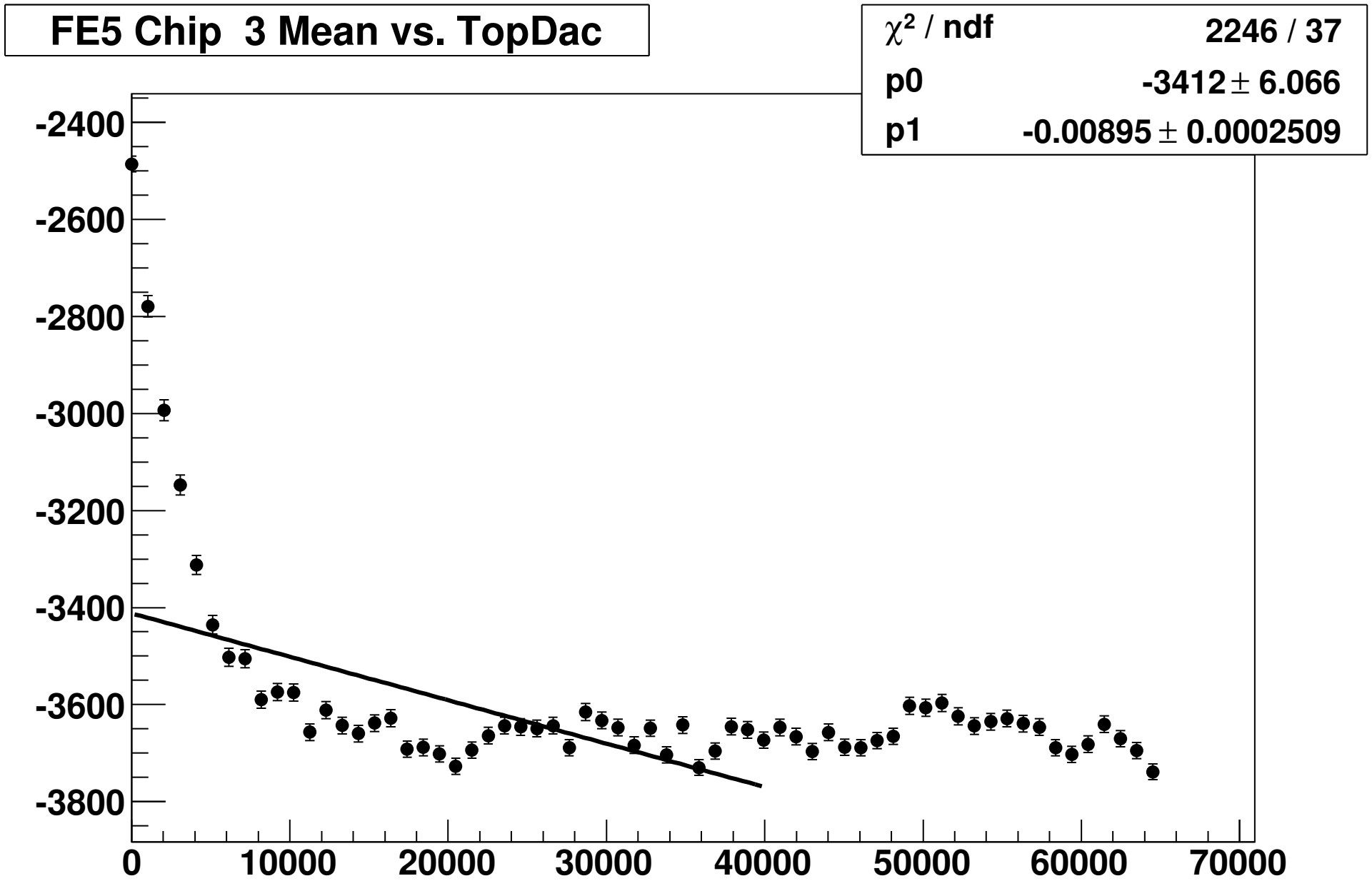

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 2.835e+05 / 37
p0 1.698 ± 0.004638
p1 4.771e-05 ± 3.213e-07
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

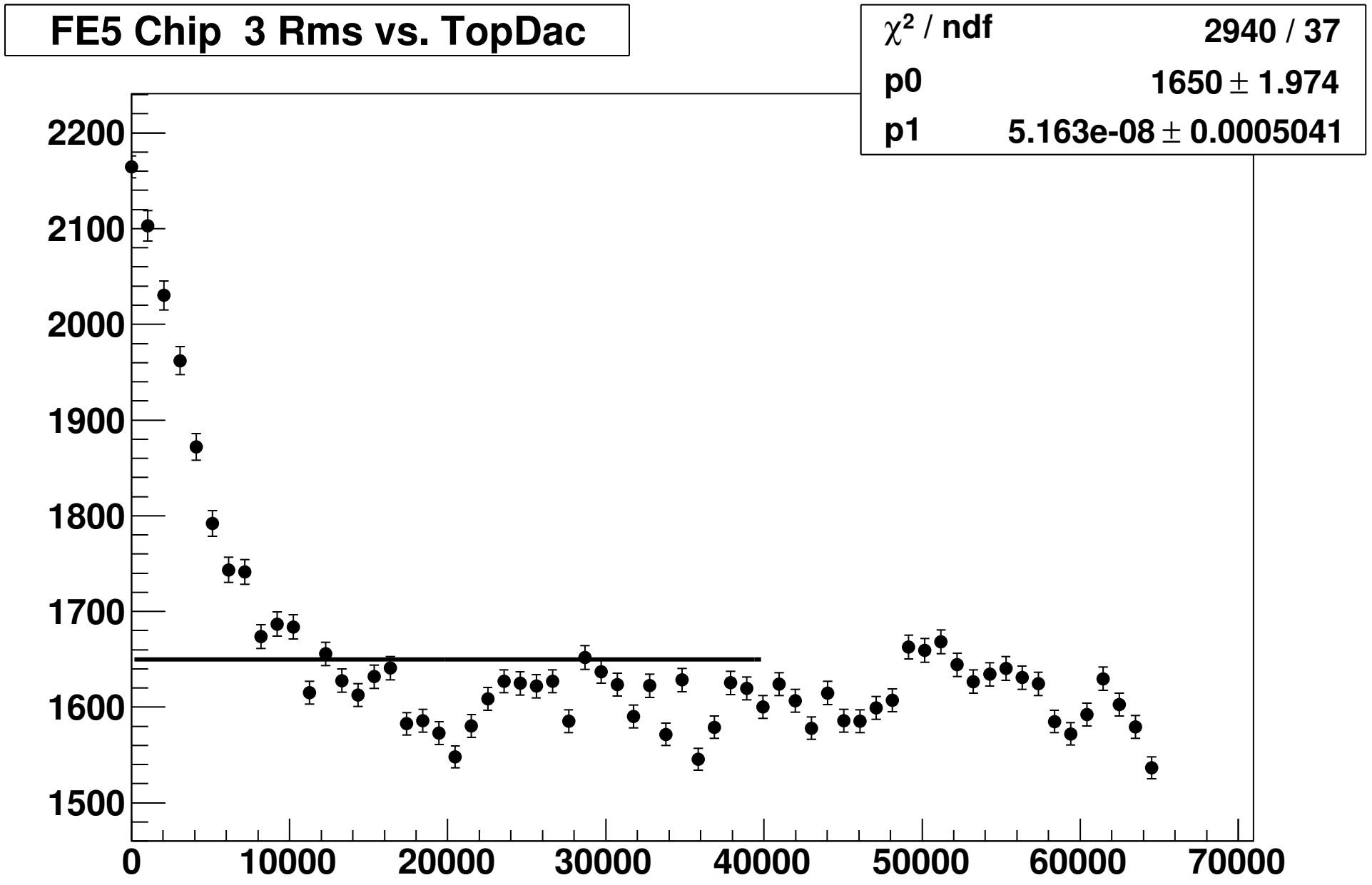

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 1799 / 37
p0 -644.9 ± 5.424
p1 -0.01166 ± 0.0002422
-200
-300
-400
-500
-600
-700
-800
-900
-1000
-1100
0
10000
20000
30000
40000
50000
60000
70000

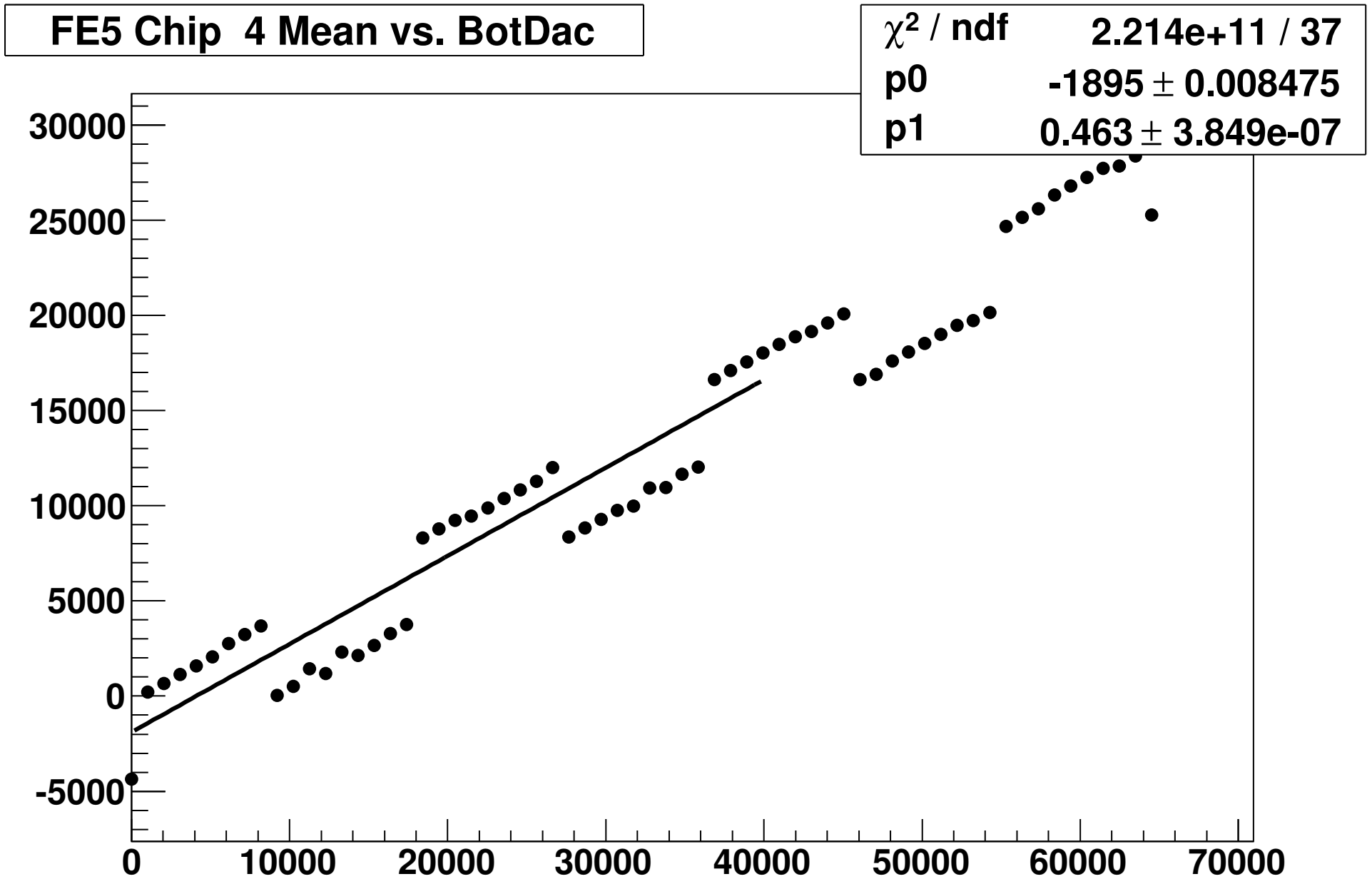

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 4945 / 37
p0 1617 ± 3.074
p1 0.02698 ± 0.0002872
1800
1600
1400
1200
1000
0
10000
20000
30000
40000
50000
60000
70000

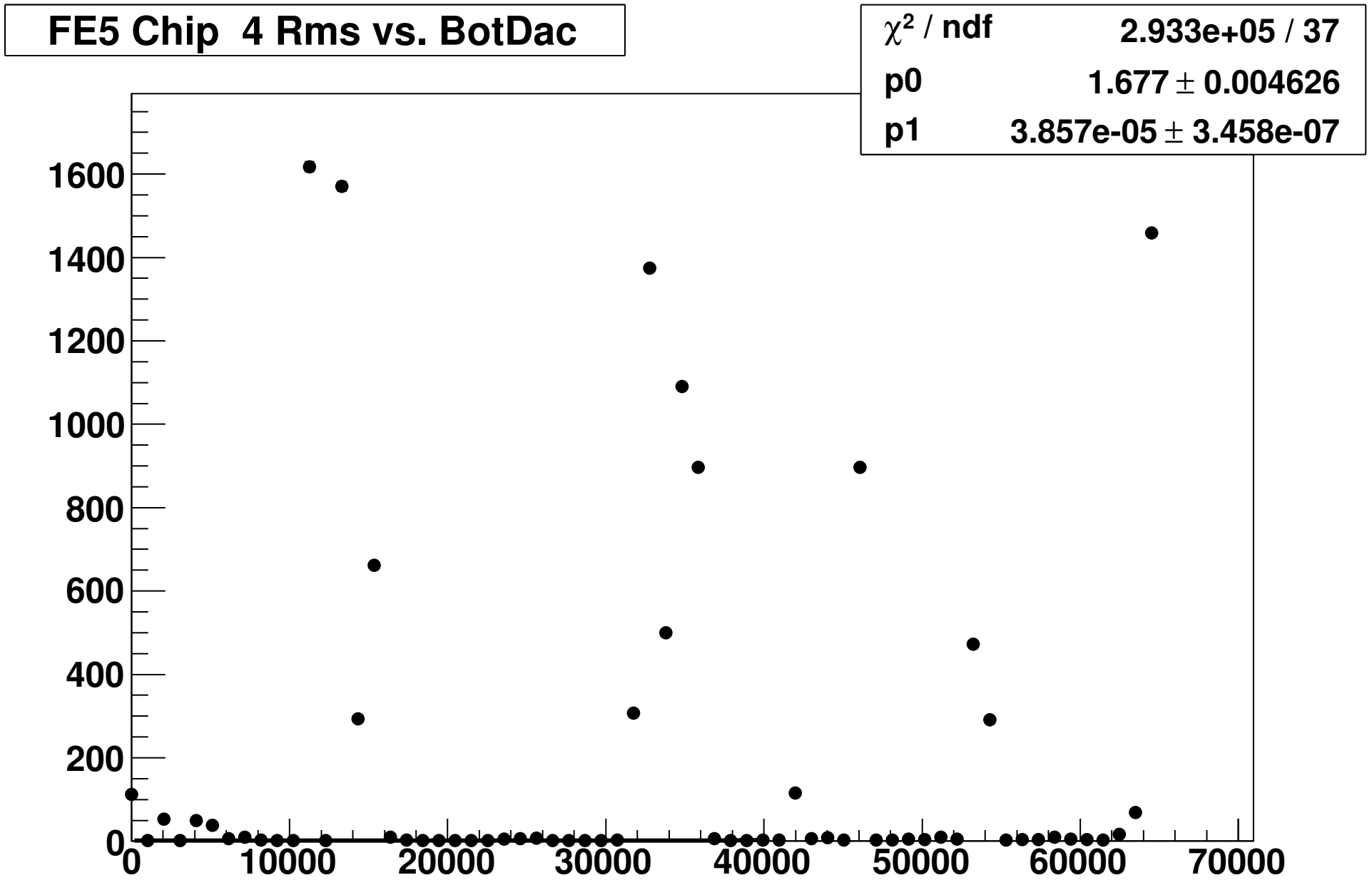

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 2.158e+11 / 37
p0 -2605 ± 0.008959
p1 0.4915 ± 3.898e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

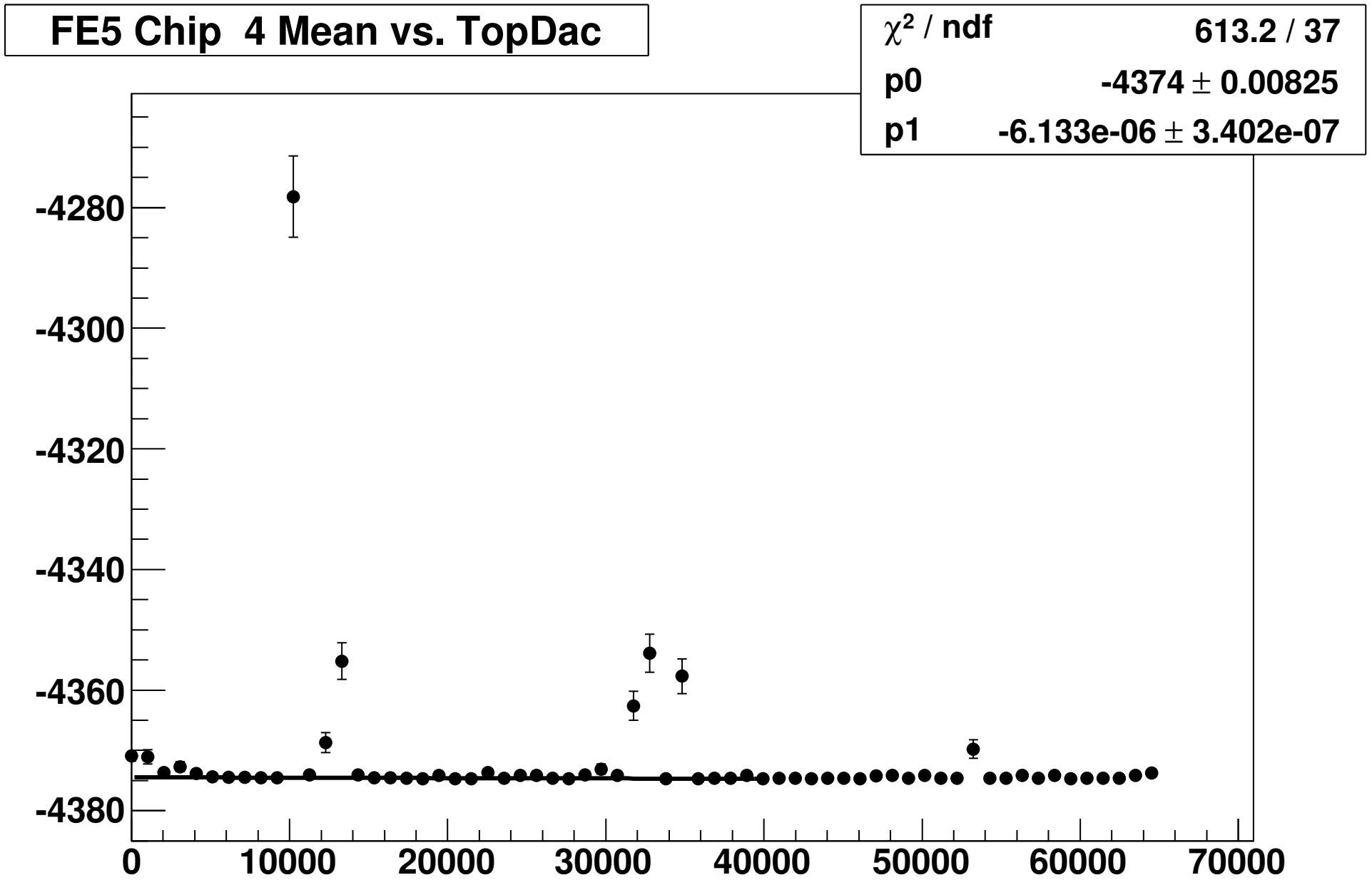

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 2.4e+05 / 37
p0 1.917 ± 0.004578
p1 2.631e-05 ± 4.975e-07
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

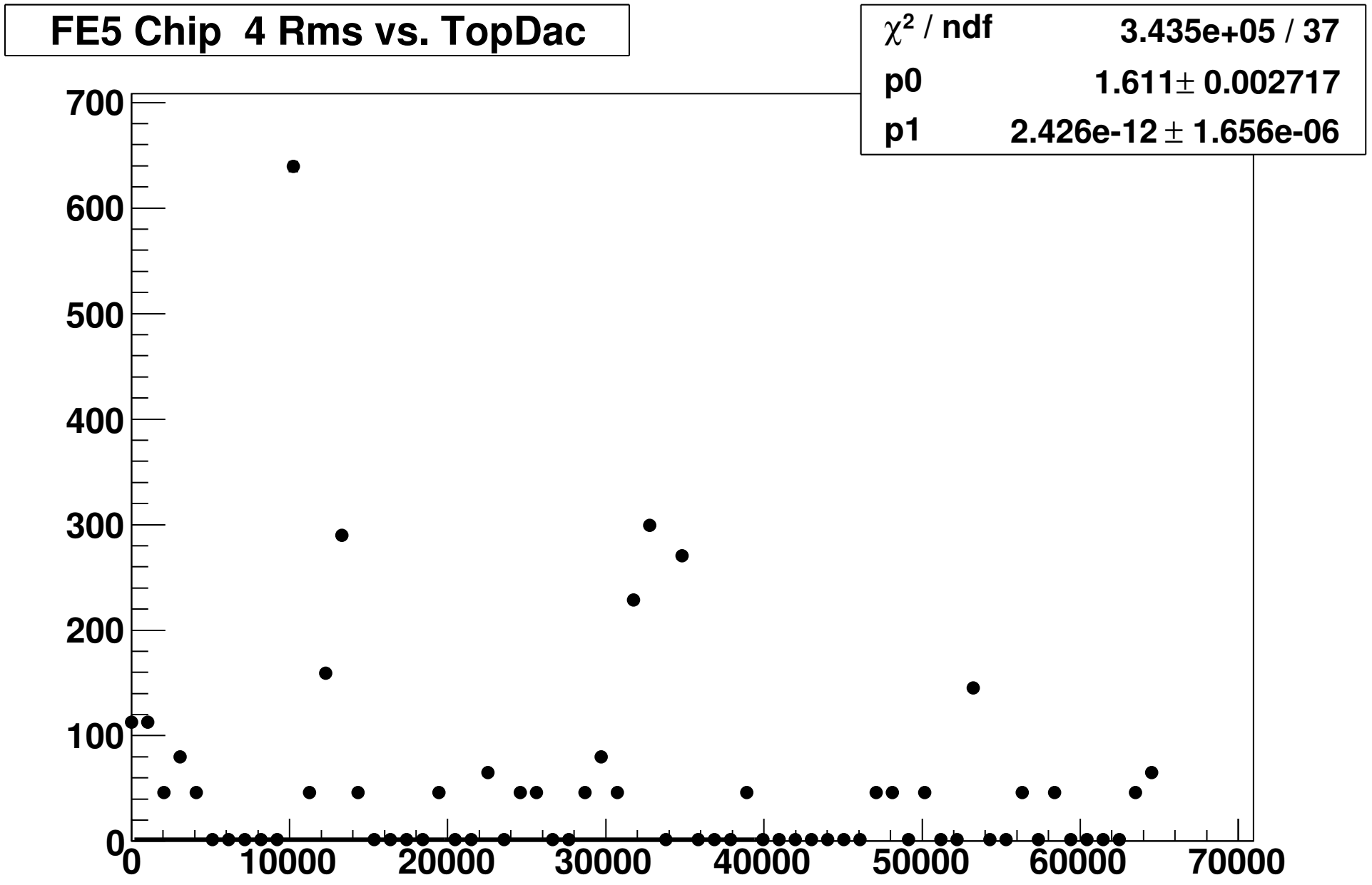

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 2246 / 37
p0 -3412 ± 6.066
p1 -0.00895 ± 0.0002509
-2400
-2600
-2800
-3000
-3200
-3400
-3600
-3800
0
10000
20000
30000
40000
50000
60000
70000

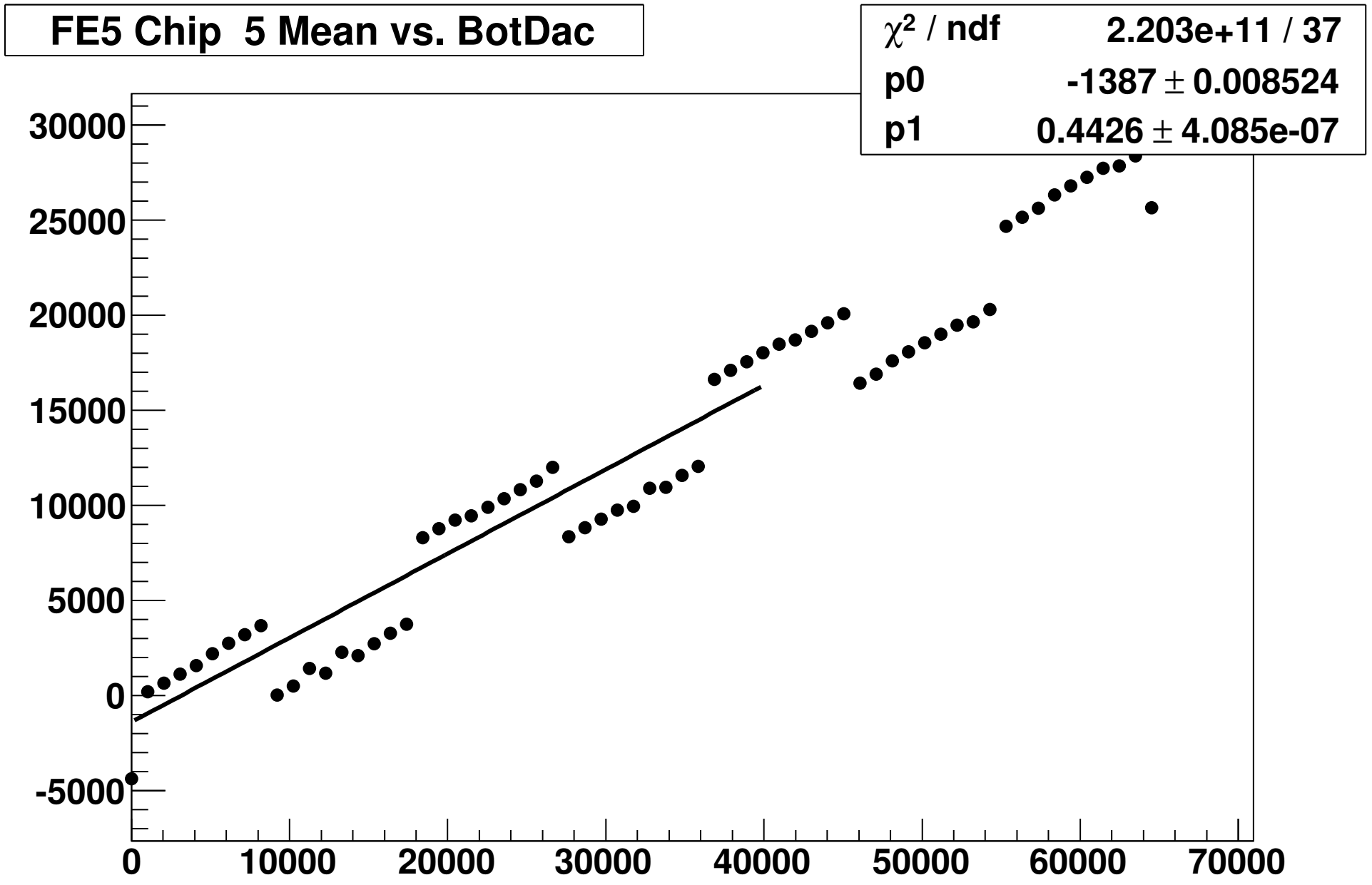

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 2940 / 37
p0 1650 ± 1.974
p1 5.163e-08 ± 0.0005041
2200
2100
2000
1900
1800
1700
1600
1500
0
10000
20000
30000
40000
50000
60000
70000

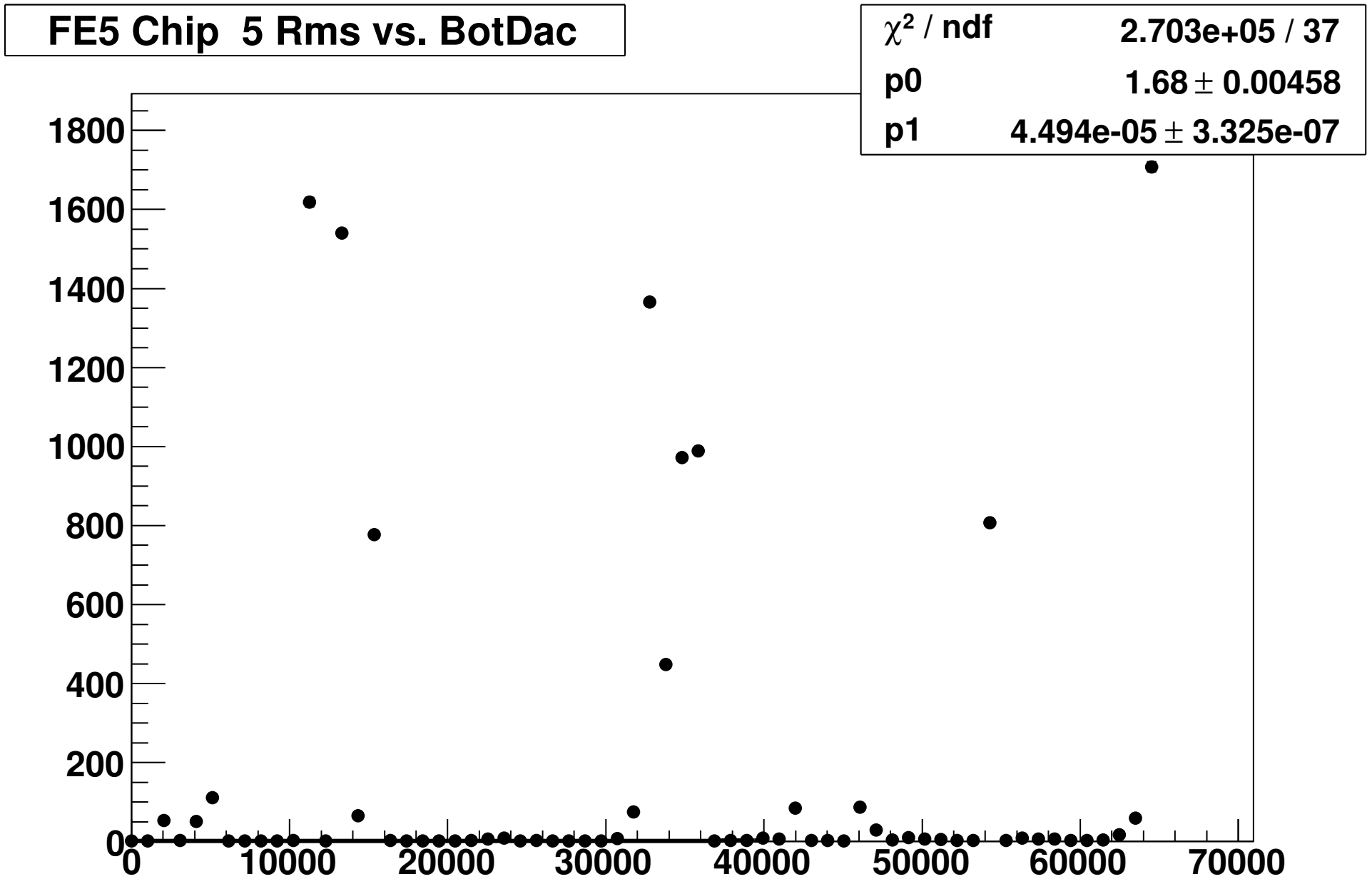

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 2.214e+11 / 37
p0 -1895 ± 0.008475
p1 0.463 ± 3.849e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

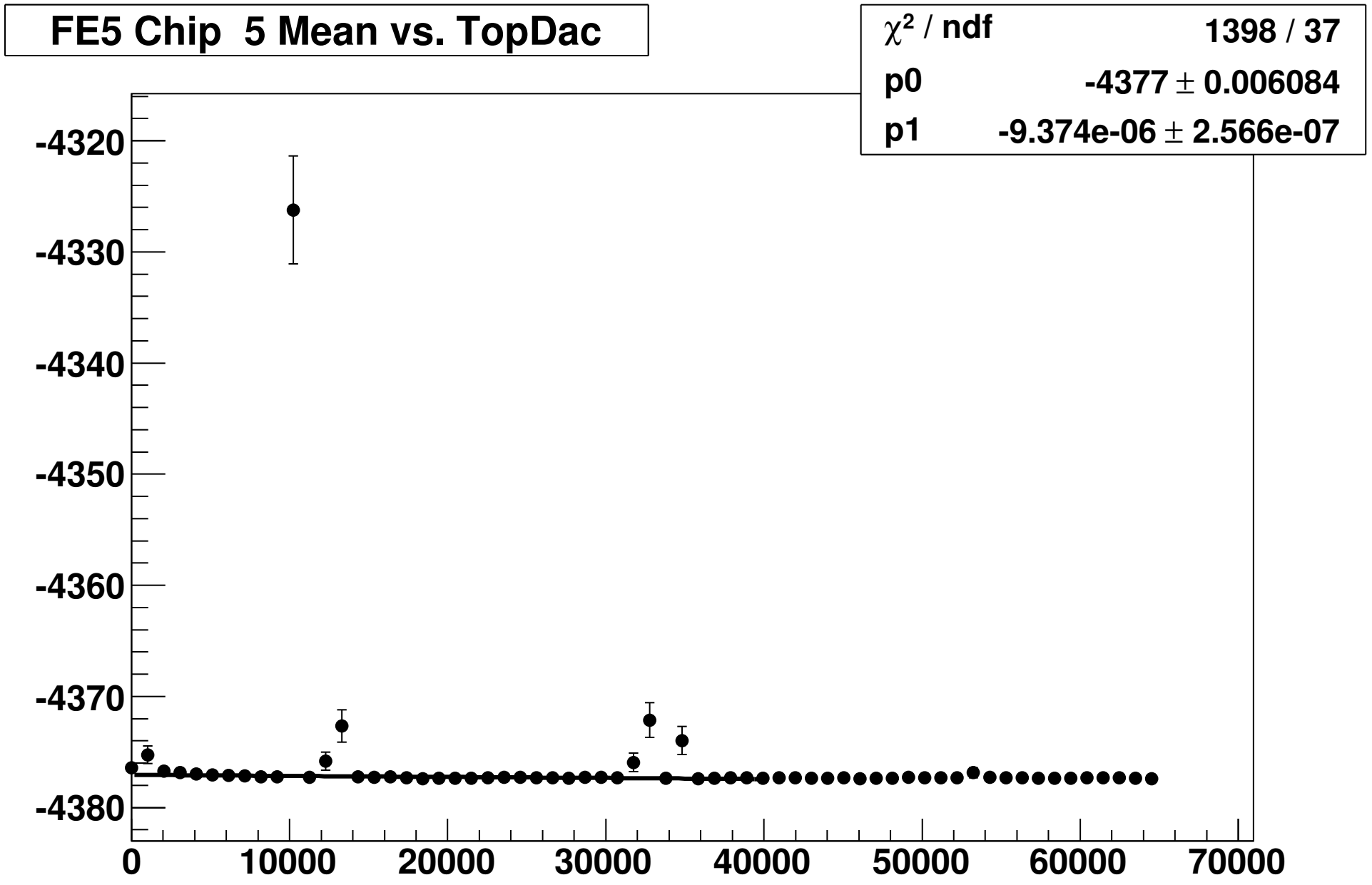

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 2.933e+05 / 37
p0 1.677 ± 0.004626
p1 3.857e-05 ± 3.458e-07
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

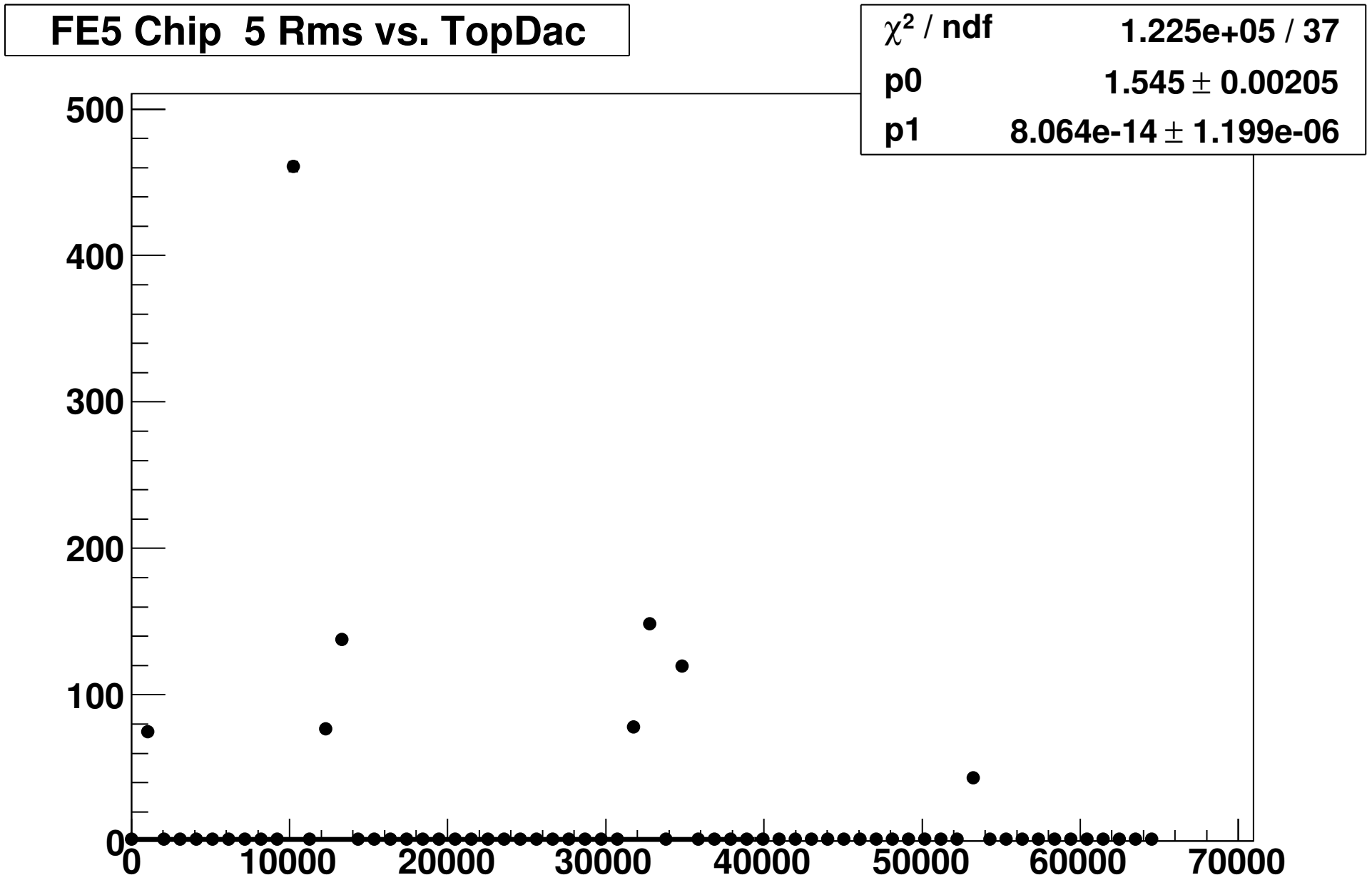

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 613.2 / 37
p0 -4374 ± 0.00825
p1 -6.133e-06 ± 3.402e-07
-4280
-4300
-4320
-4340
-4360
-4380
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 3.435e+05 / 37
p0 1.611 ± 0.002717
p1 2.426e-12 ± 1.656e-06
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 2.203e+11 / 37
p0 -1387 ± 0.008524
p1 0.4426 ± 4.085e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 2.703e+05 / 37
p0 1.68 ± 0.00458
p1 4.494e-05 ± 3.325e-07
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 1398 / 37
p0 -4377 ± 0.006084
p1 -9.374e-06 ± 2.566e-07
-4320
-4330
-4340
-4350
-4360
-4370
-4380
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 1.225e+05 / 37
p0 1.545 ± 0.00205
p1 8.064e-14 ± 1.199e-06
500
400
300
200
100
0
0
10000
20000
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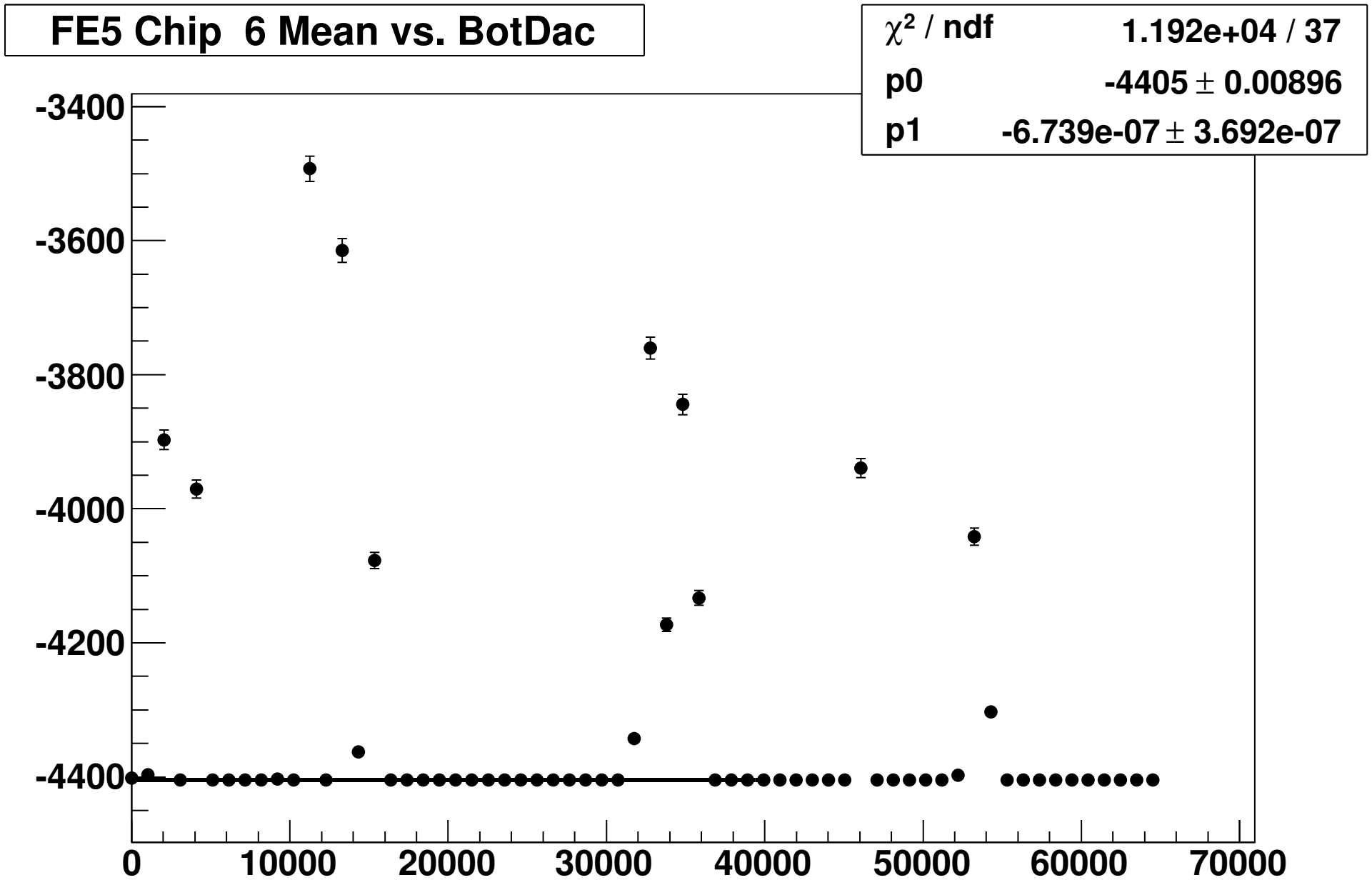
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 1.192e+04 / 37
p0 -4405 ± 0.00896
p1 -6.739e-07 ± 3.692e-07
-3400
-3600
-3800
-4000
-4200
-4400
0
10000
20000
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40000
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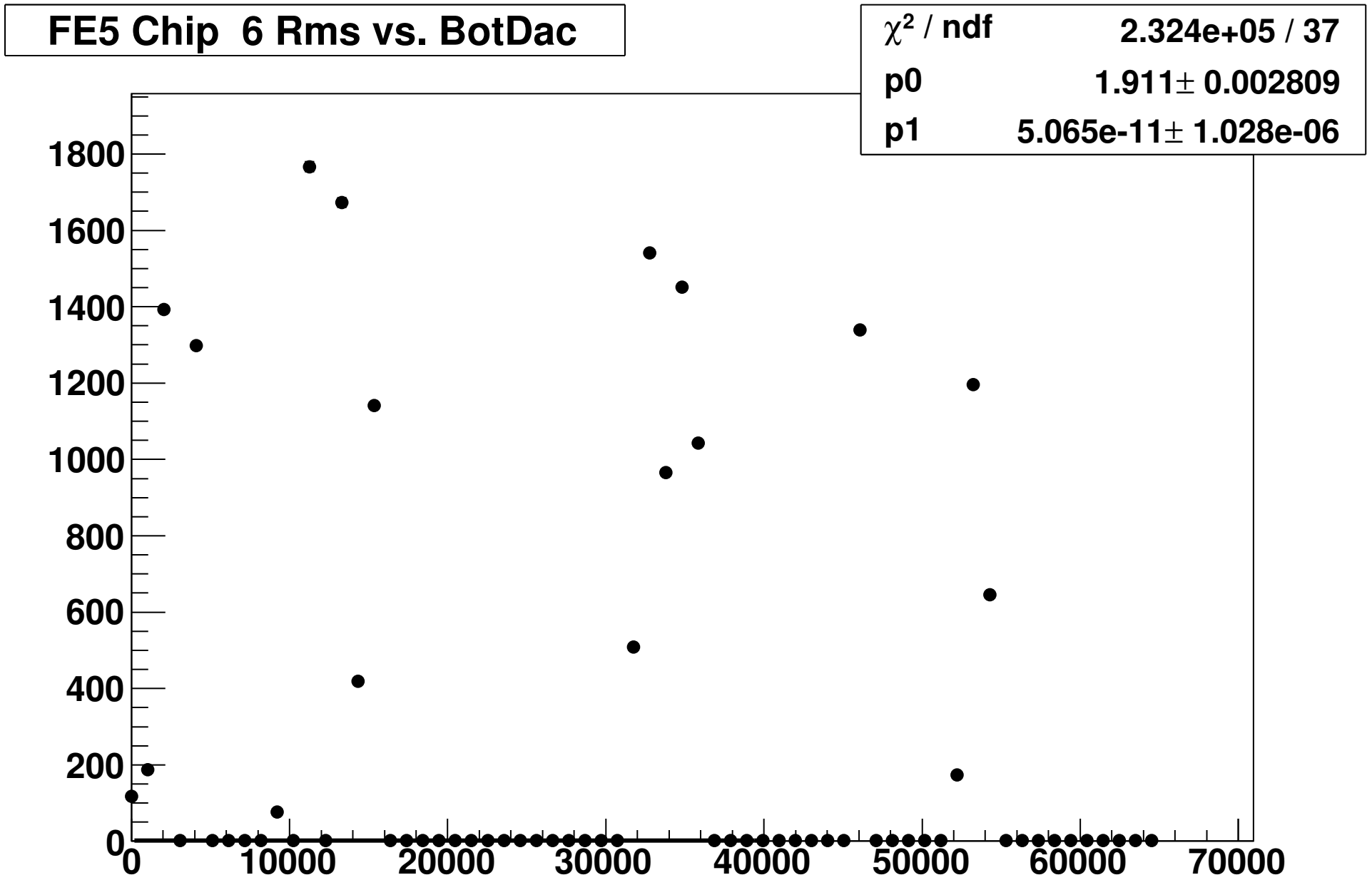
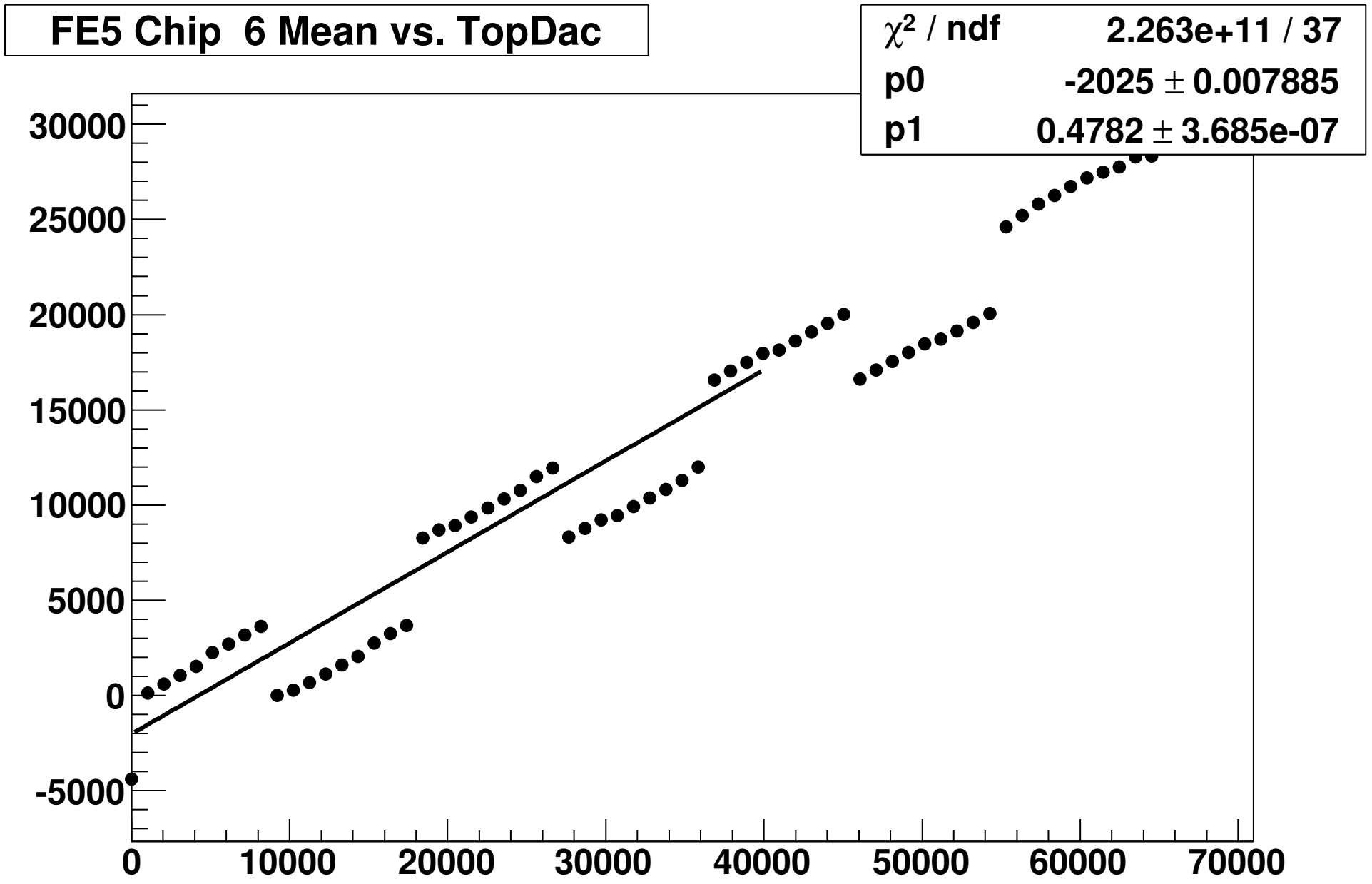

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 2.324e+05 / 37
p0 1.911± 0.002809
p1 5.065e-11± 1.028e-06
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 2.263e+11 / 37
p0 -2025 ± 0.007885
p1 0.4782 ± 3.685e-07
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25000
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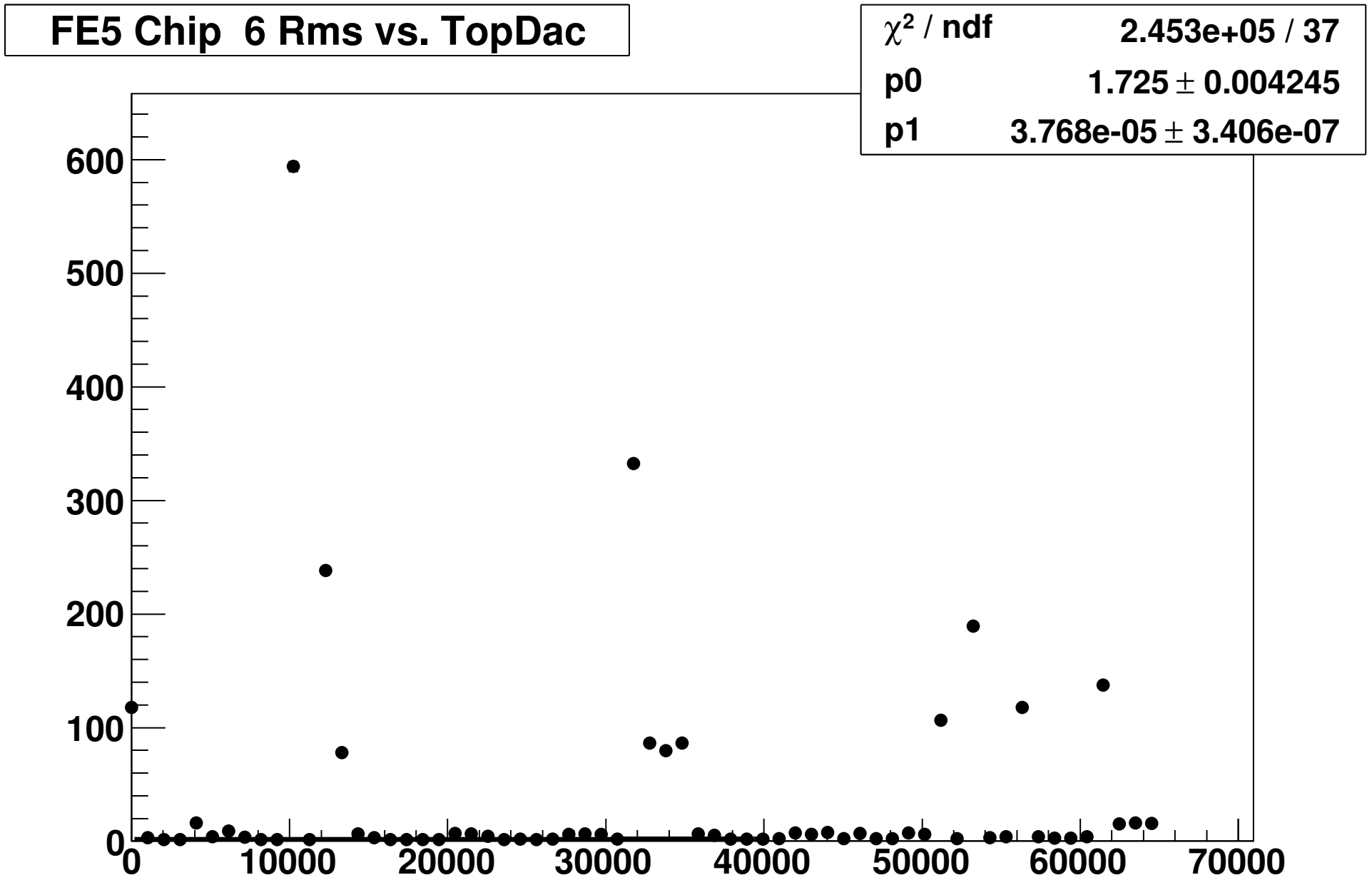
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 2.453e+05 / 37
p0 1.725 ± 0.004245
p1 3.768e-05 ± 3.406e-07
600
500
400
300
200
100
0
0
10000
20000
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40000
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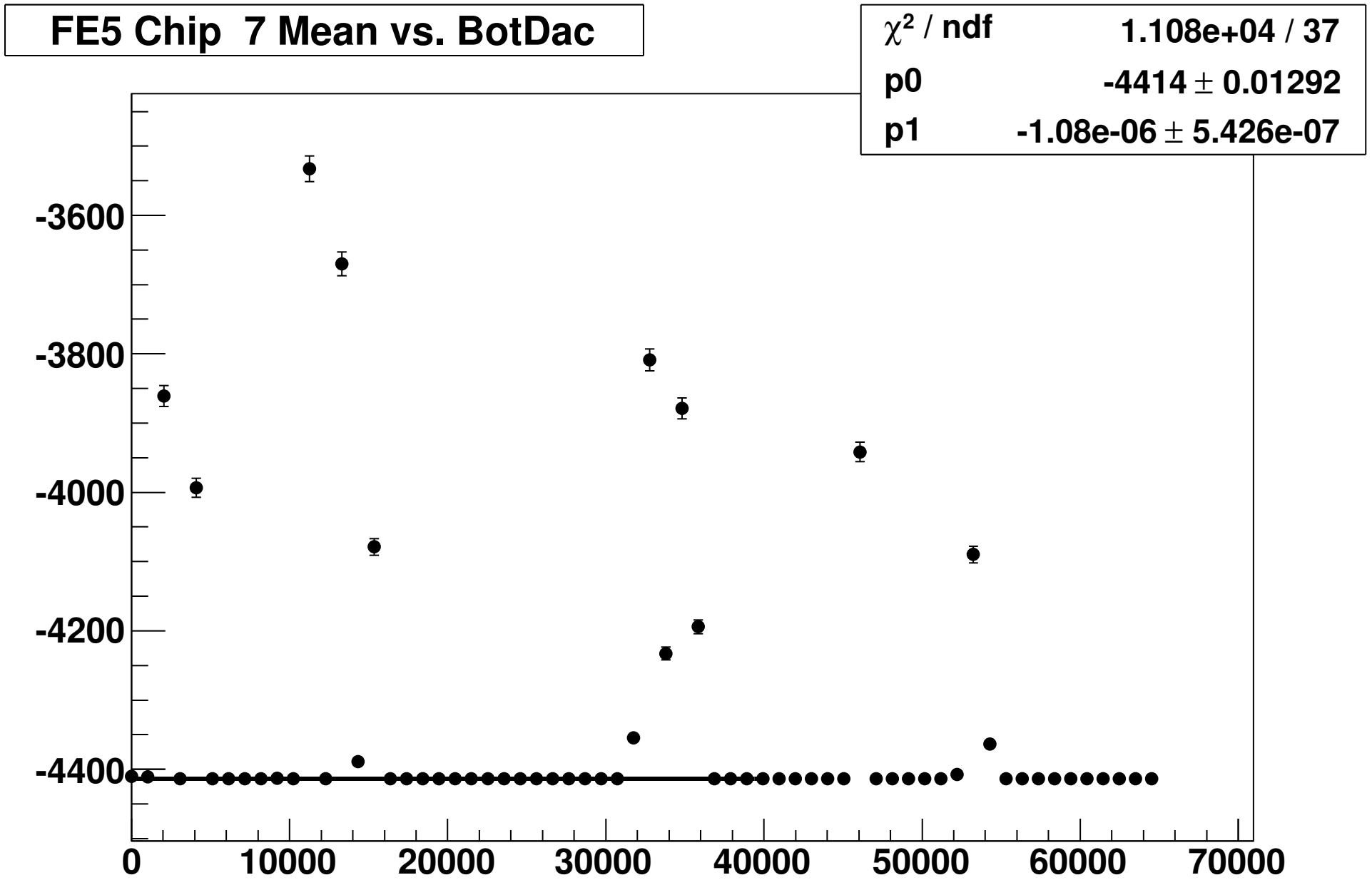
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 1.108e+04 / 37
p0 -4414 ± 0.01292
p1 -1.08e-06 ± 5.426e-07
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-3800
-4000
-4200
-4400
0
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20000
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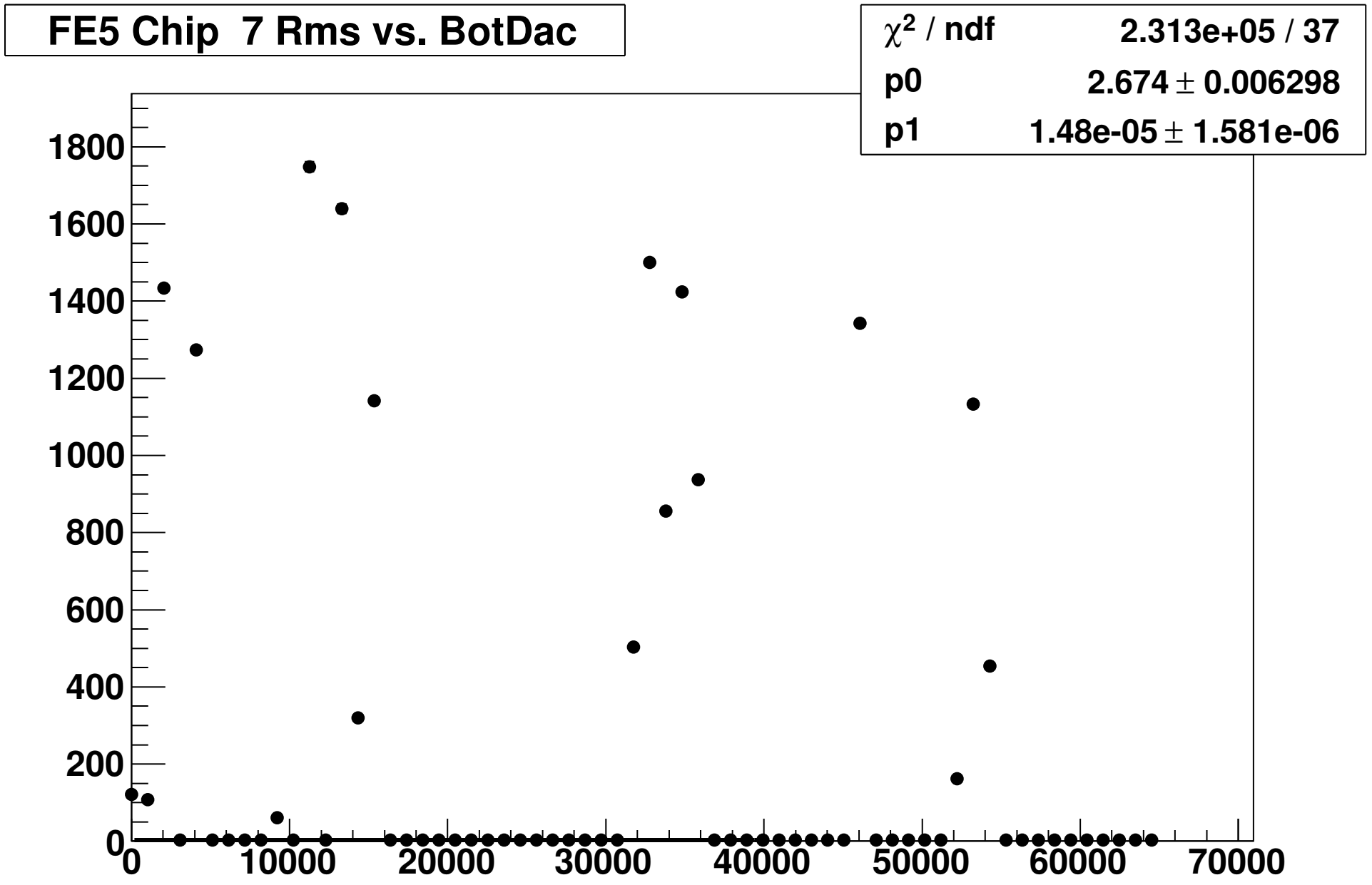
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 2.313e+05 / 37
p0 2.674 ± 0.006298
p1 1.48e-05 ± 1.581e-06
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
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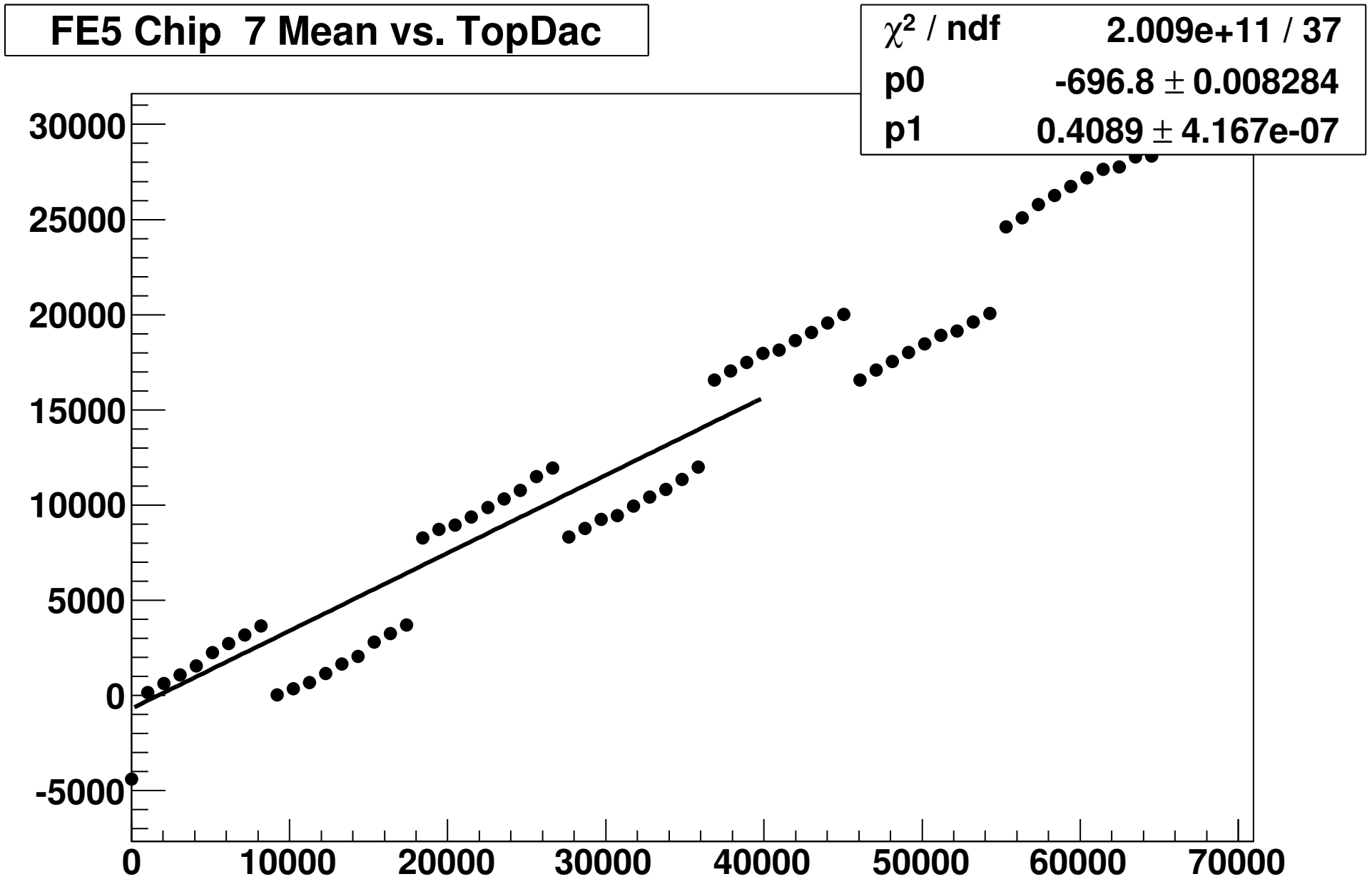
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 2.009e+11 / 37
p0 -696.8 ± 0.008284
p1 0.4089 ± 4.167e-07
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20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
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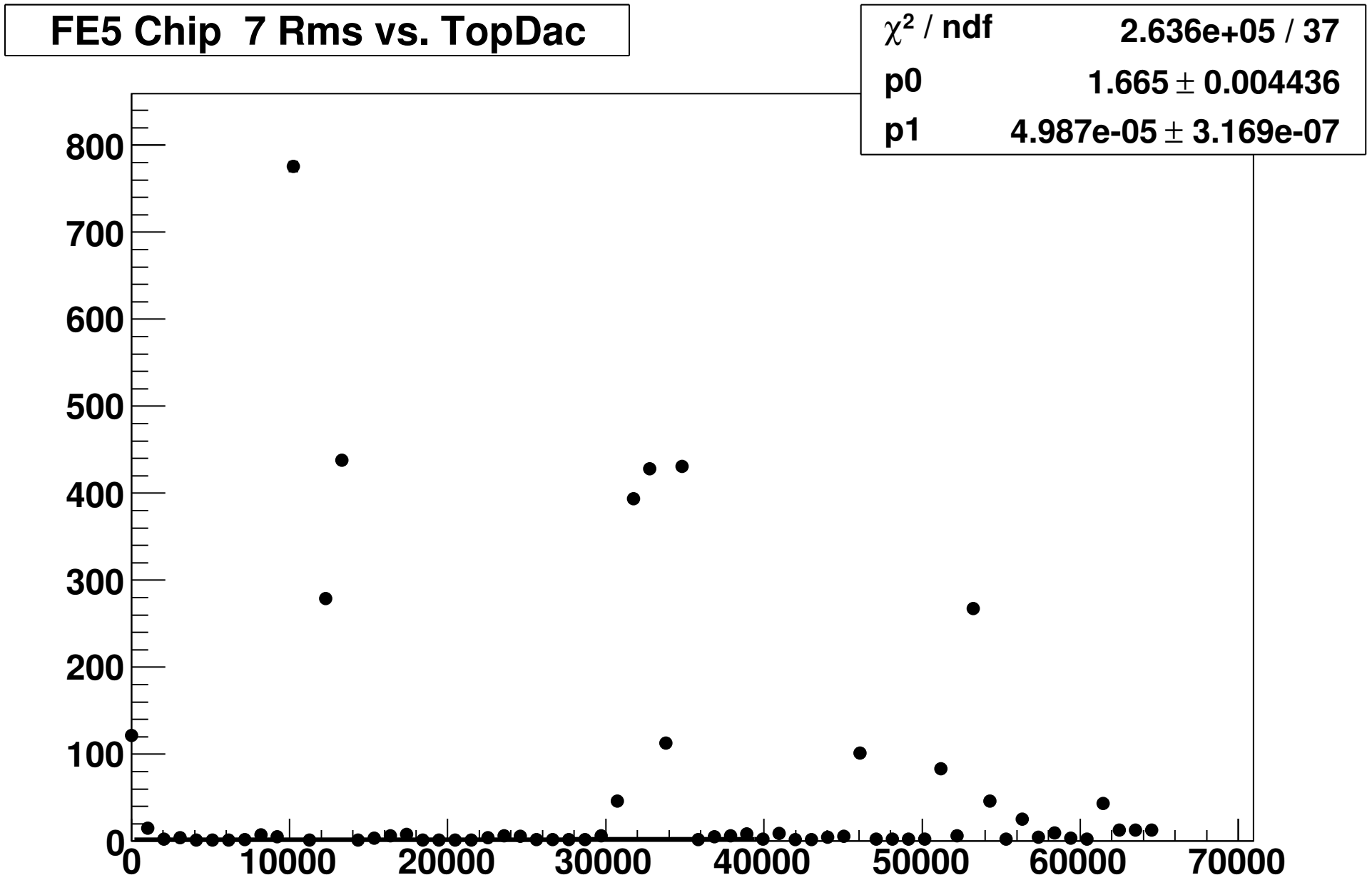
FE5 Chip 7 Rms vs. TopDac
χ² / ndf 2.636e+05 / 37
p0 1.665 ± 0.004436
p1 4.987e-05 ± 3.169e-07
800
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
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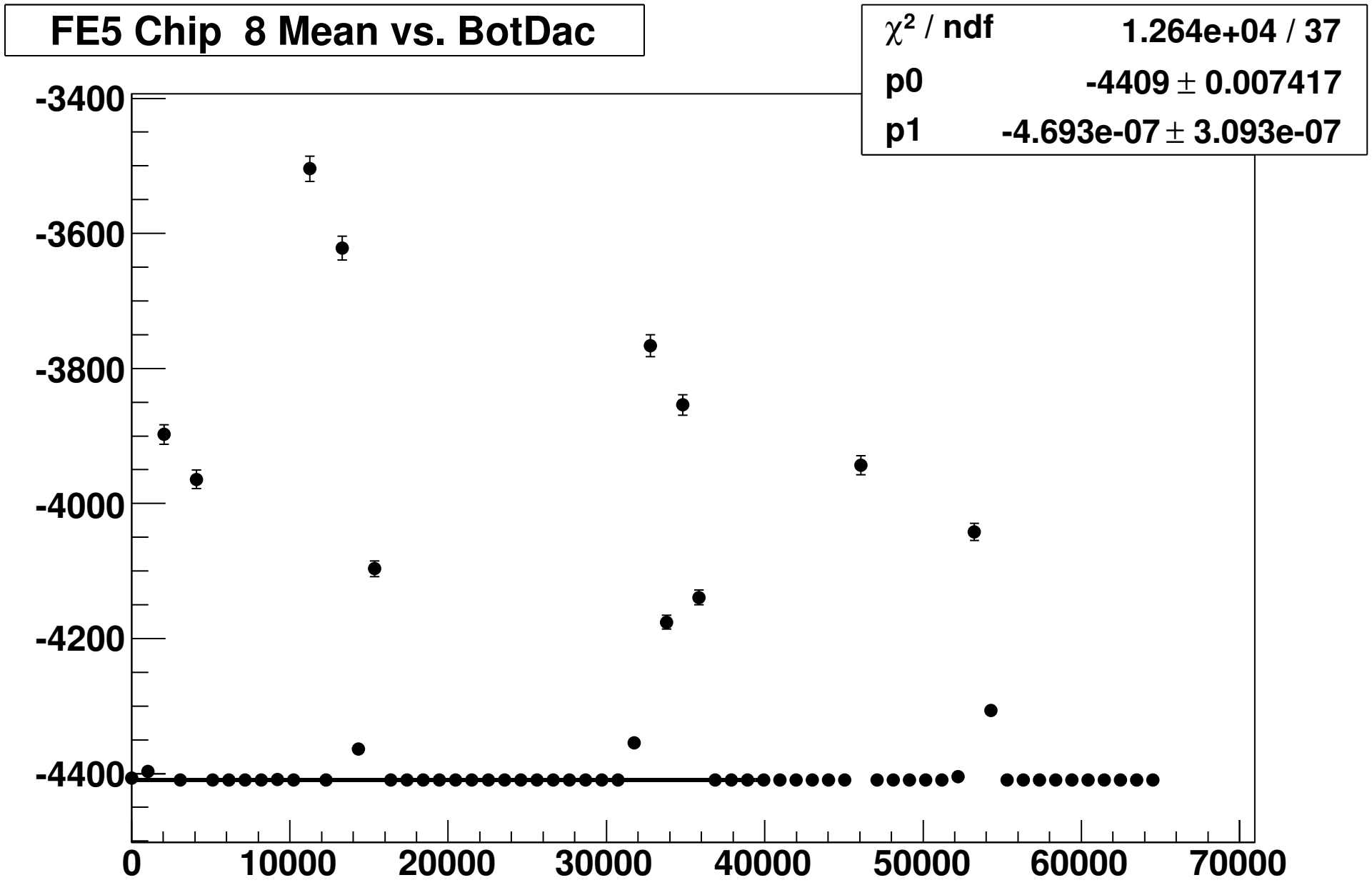
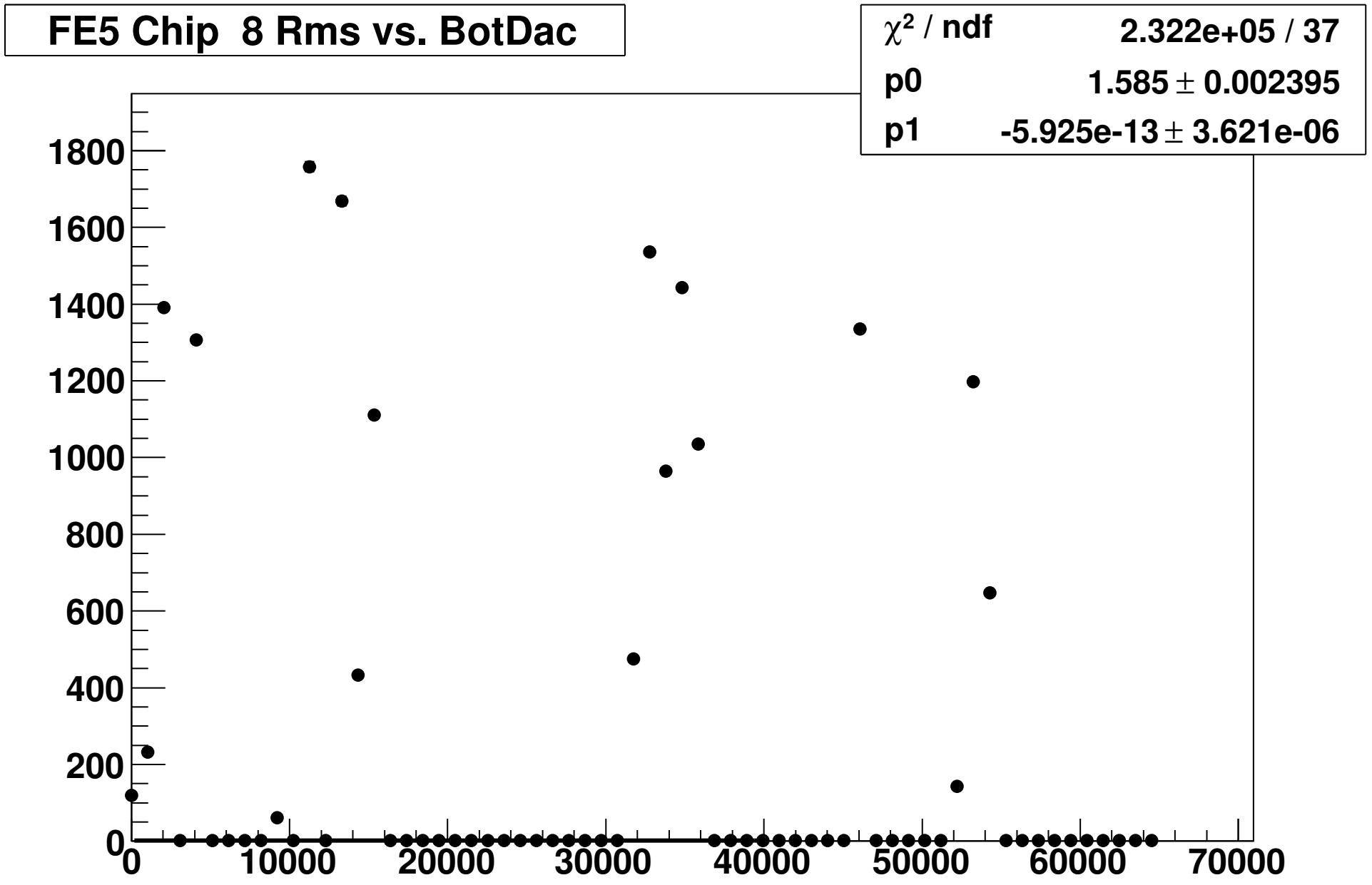
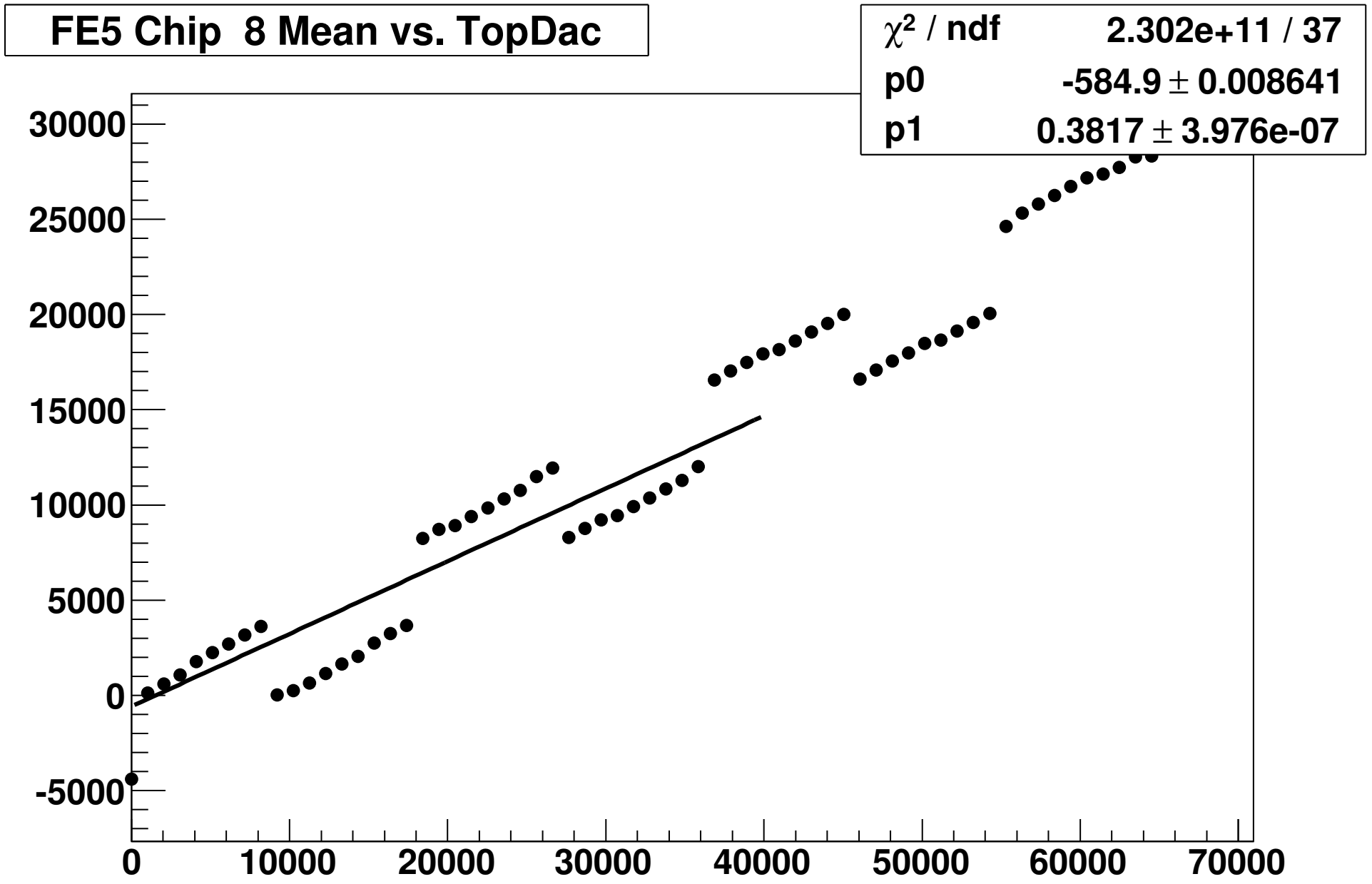
70000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 1.264e+04 / 37
p0 -4409 ± 0.007417
p1 -4.693e-07 ± 3.093e-07
-3400
-3600
-3800
-4000
-4200
-4400
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 2.322e+05 / 37
p0 1.585 ± 0.002395
p1 -5.925e-13 ± 3.621e-06
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 2.302e+11 / 37
p0 -584.9 ± 0.008641
p1 0.3817 ± 3.976e-07
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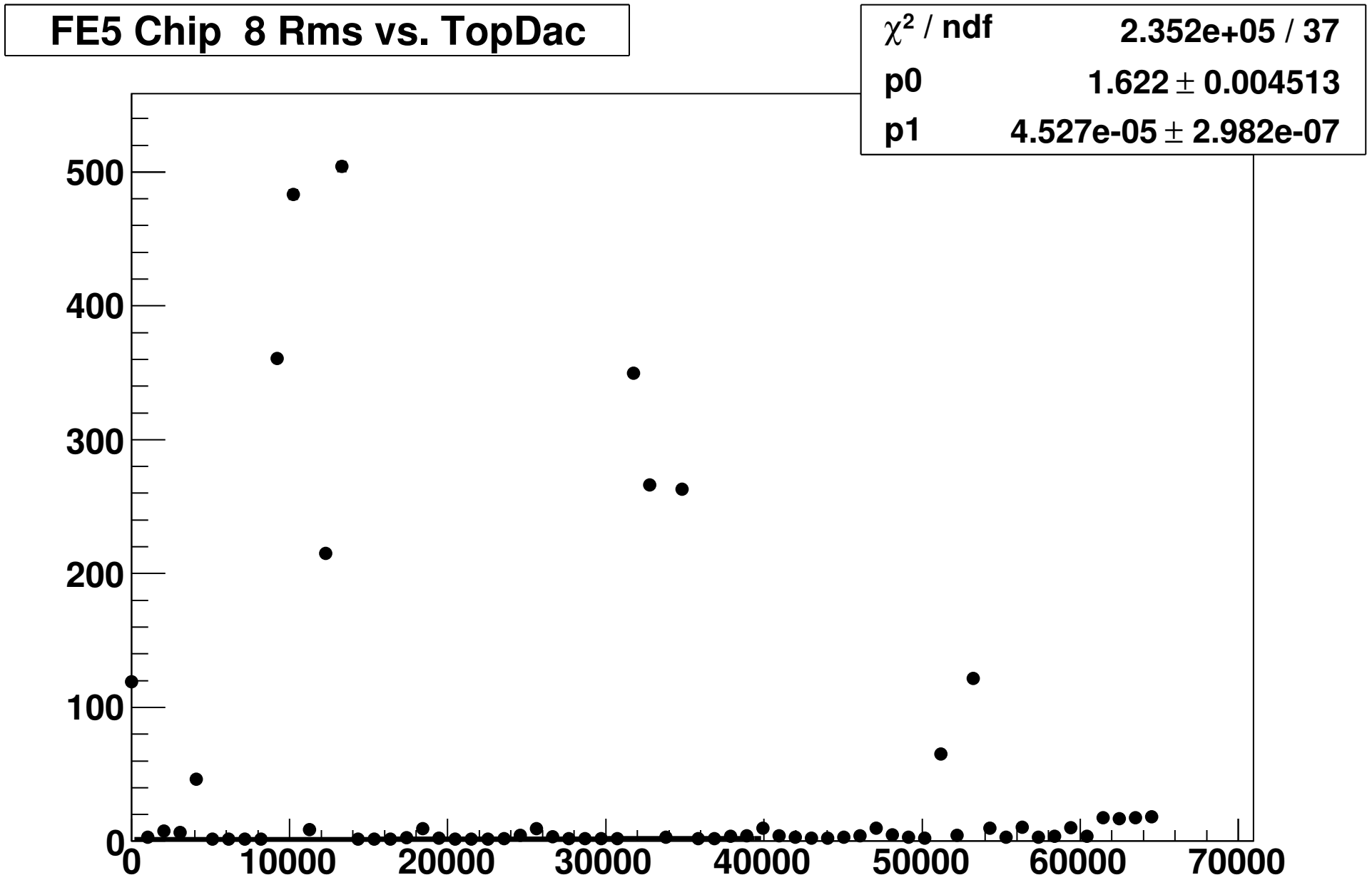
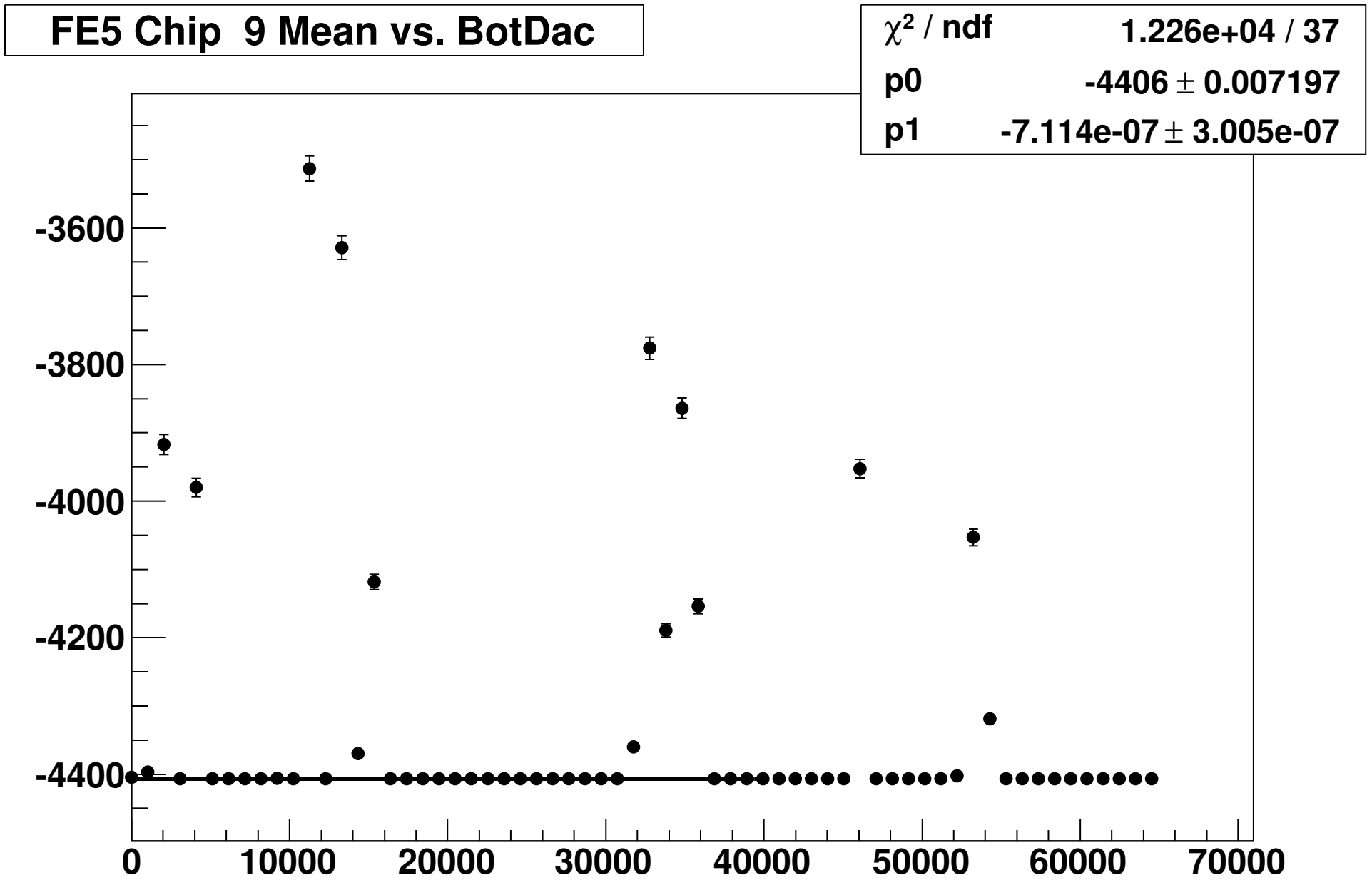
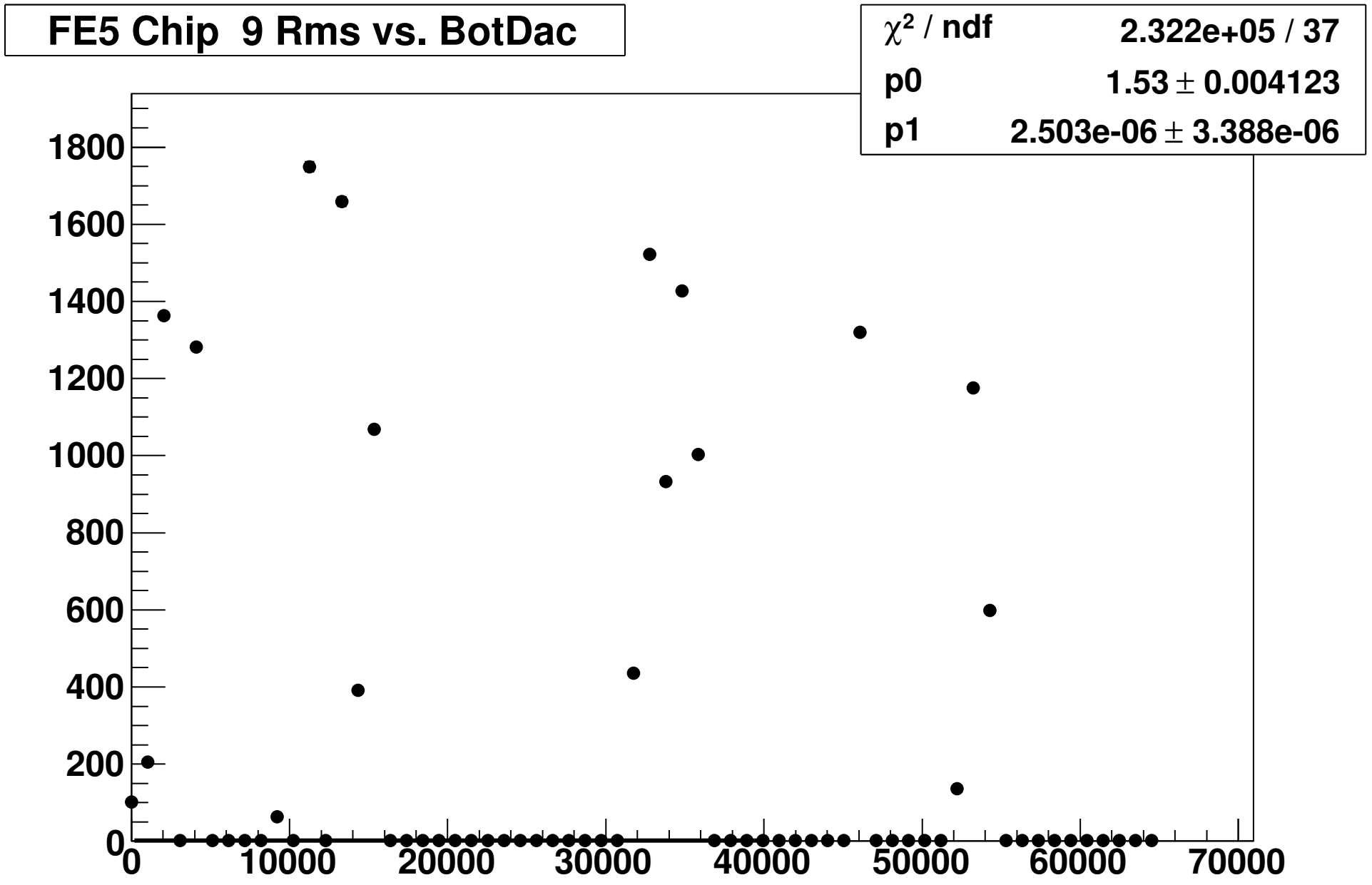
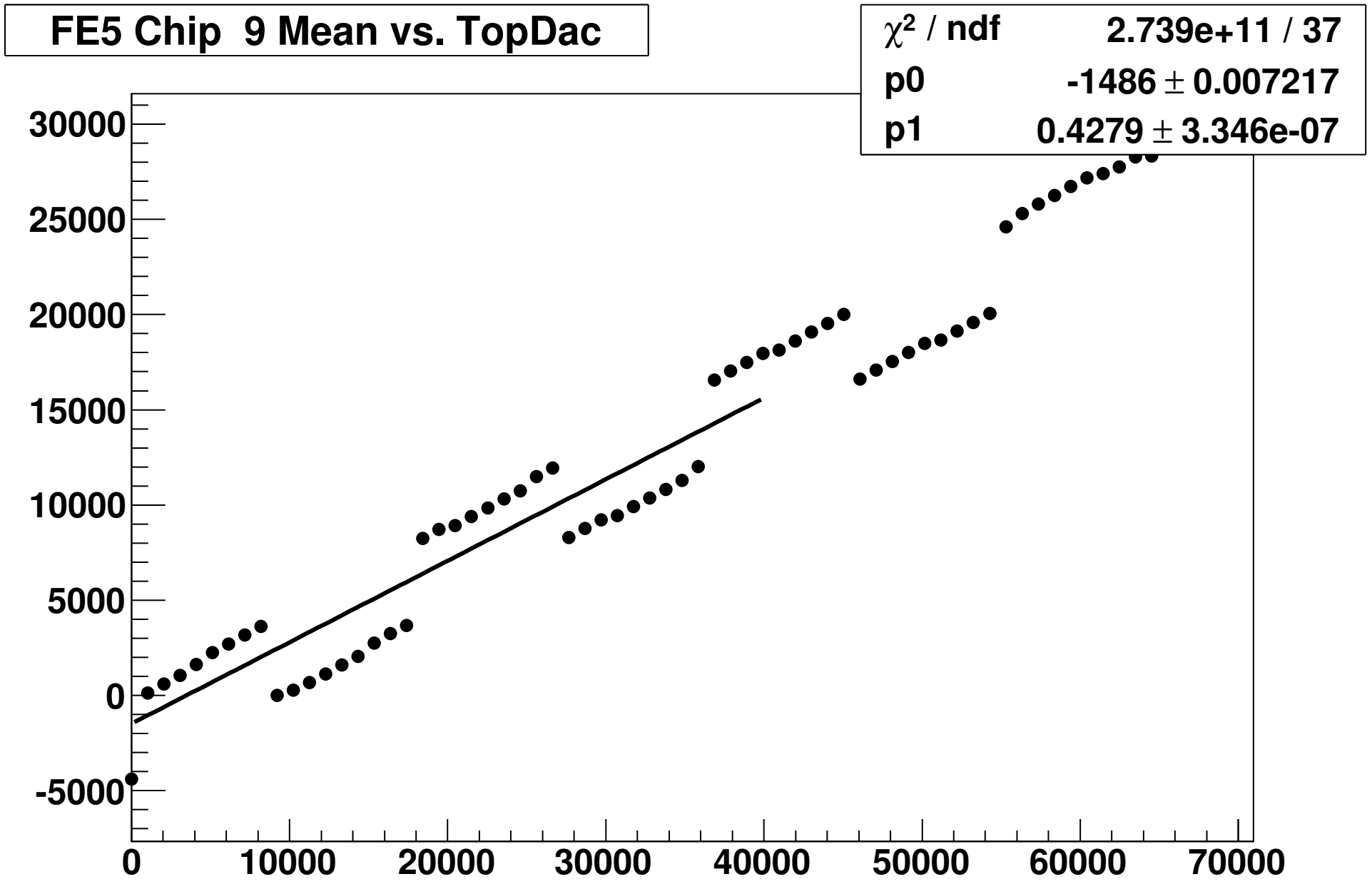
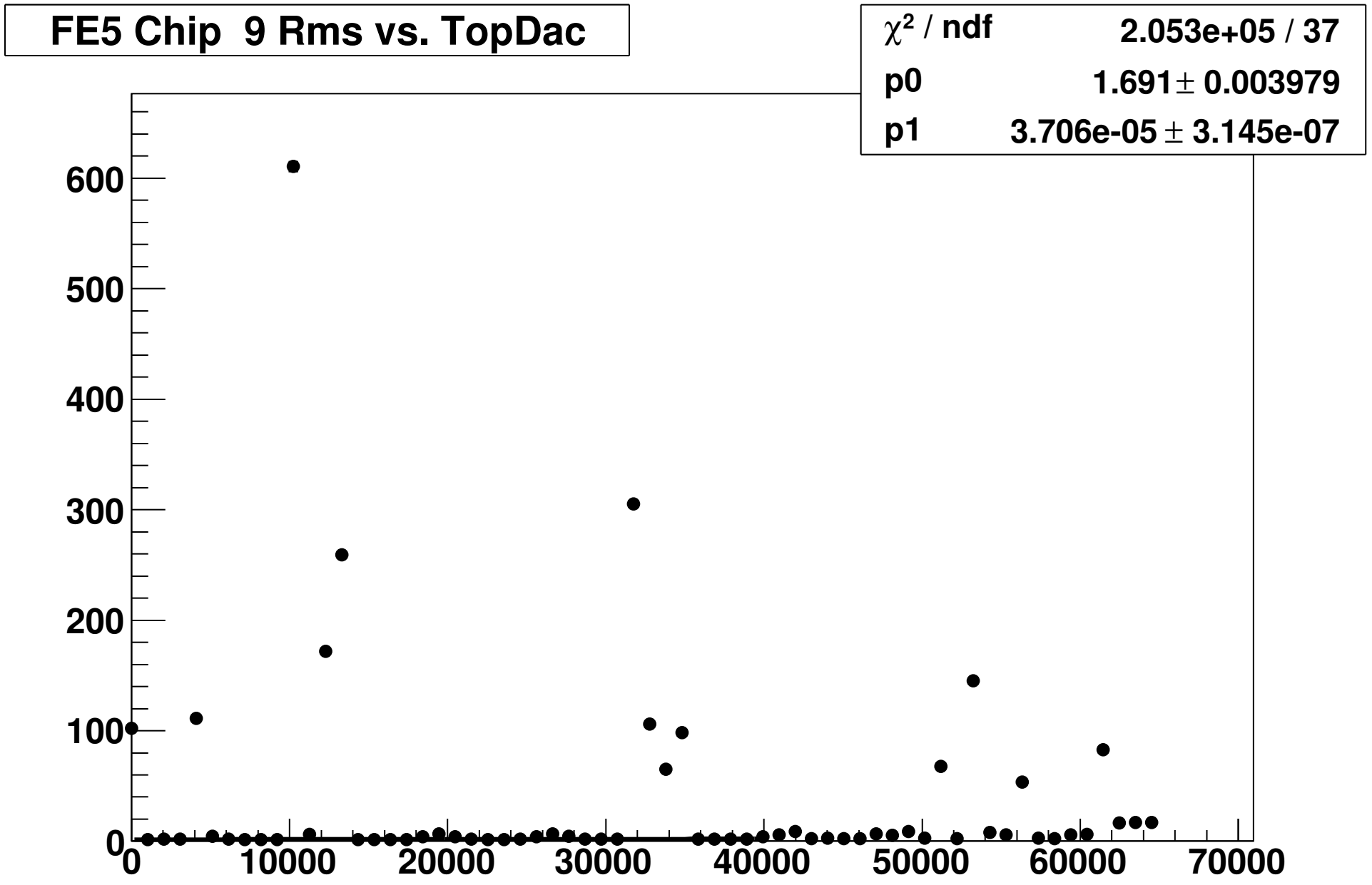
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

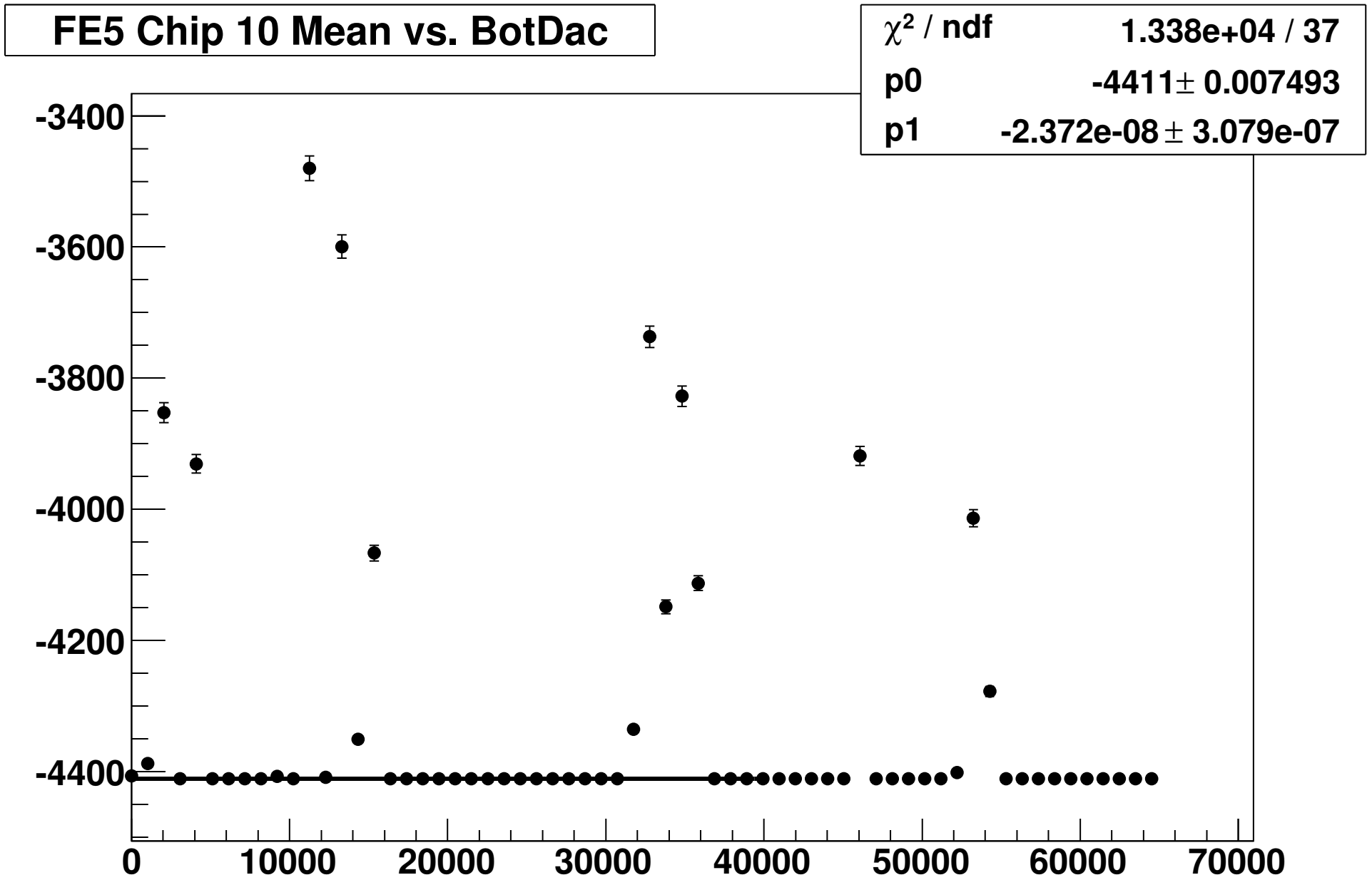

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 2.352e+05 / 37
p0 1.622 ± 0.004513
p1 4.527e-05 ± 2.982e-07
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

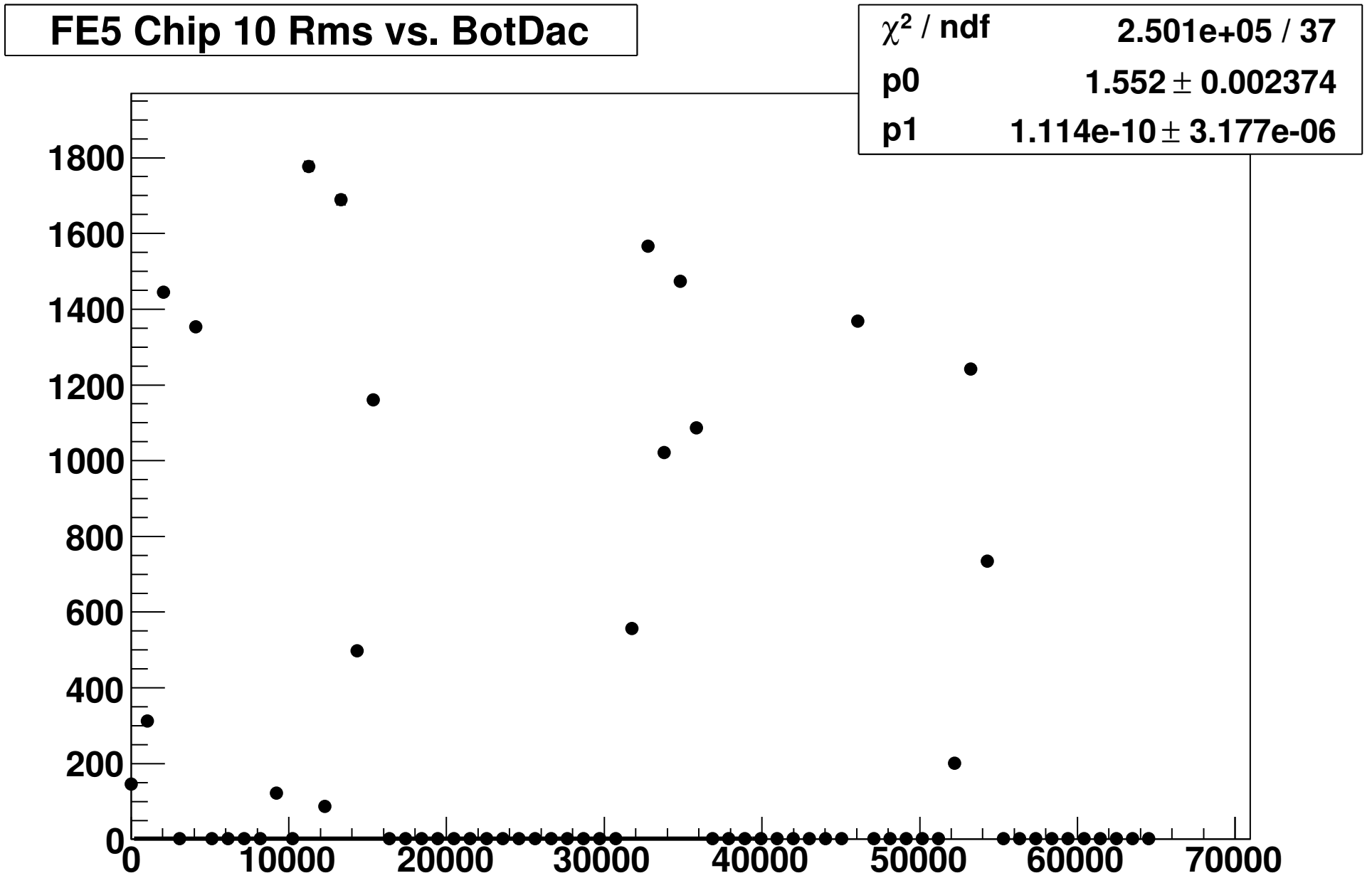

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 1.226e+04 / 37
p0 -4406 ± 0.007197
p1 -7.114e-07 ± 3.005e-07
-3600
-3800
-4000
-4200
-4400
0
10000
20000
30000
40000
50000
60000
70000

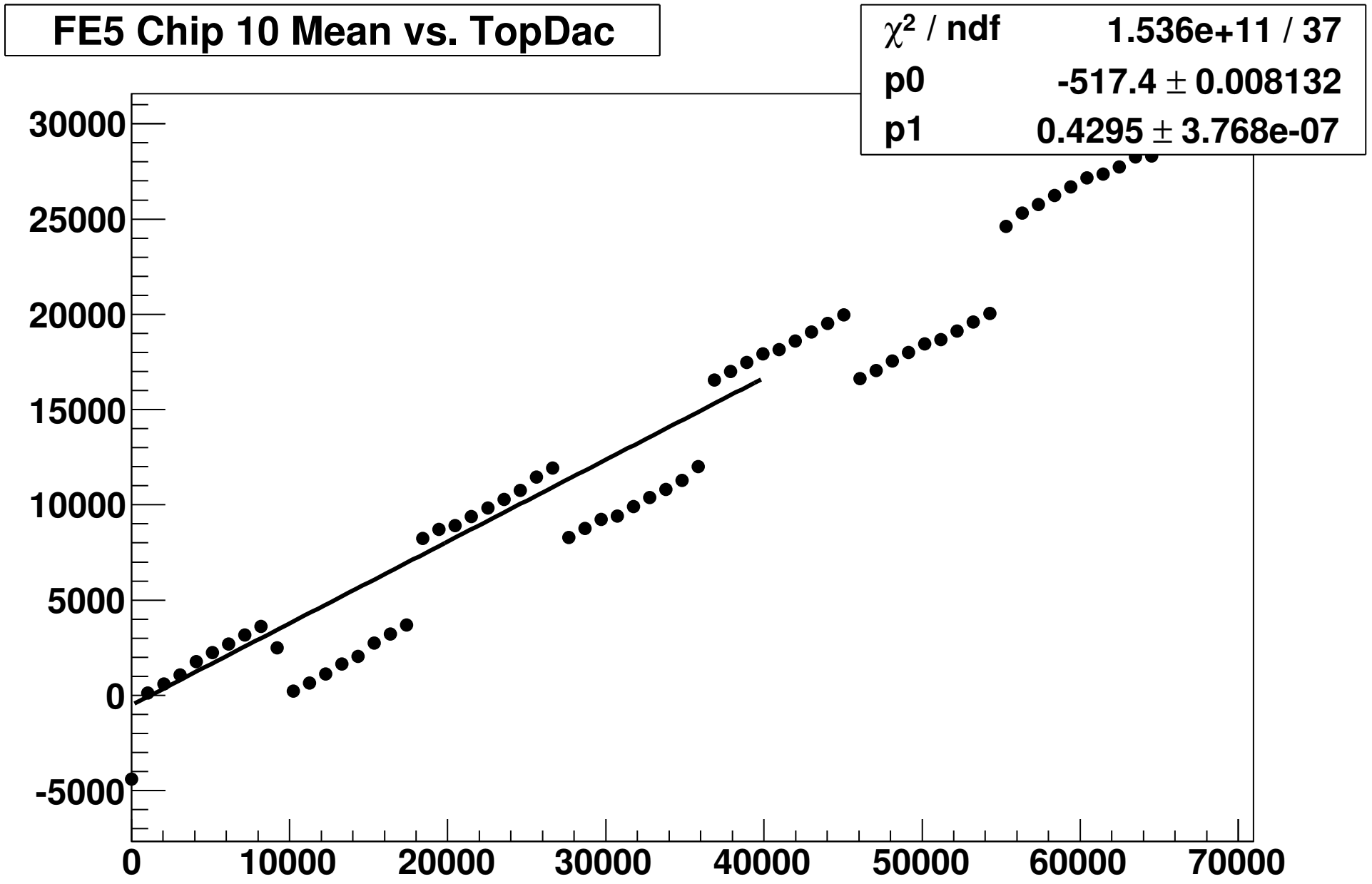

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 2.322e+05 / 37
p0 1.53 ± 0.004123
p1 2.503e-06 ± 3.388e-06
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

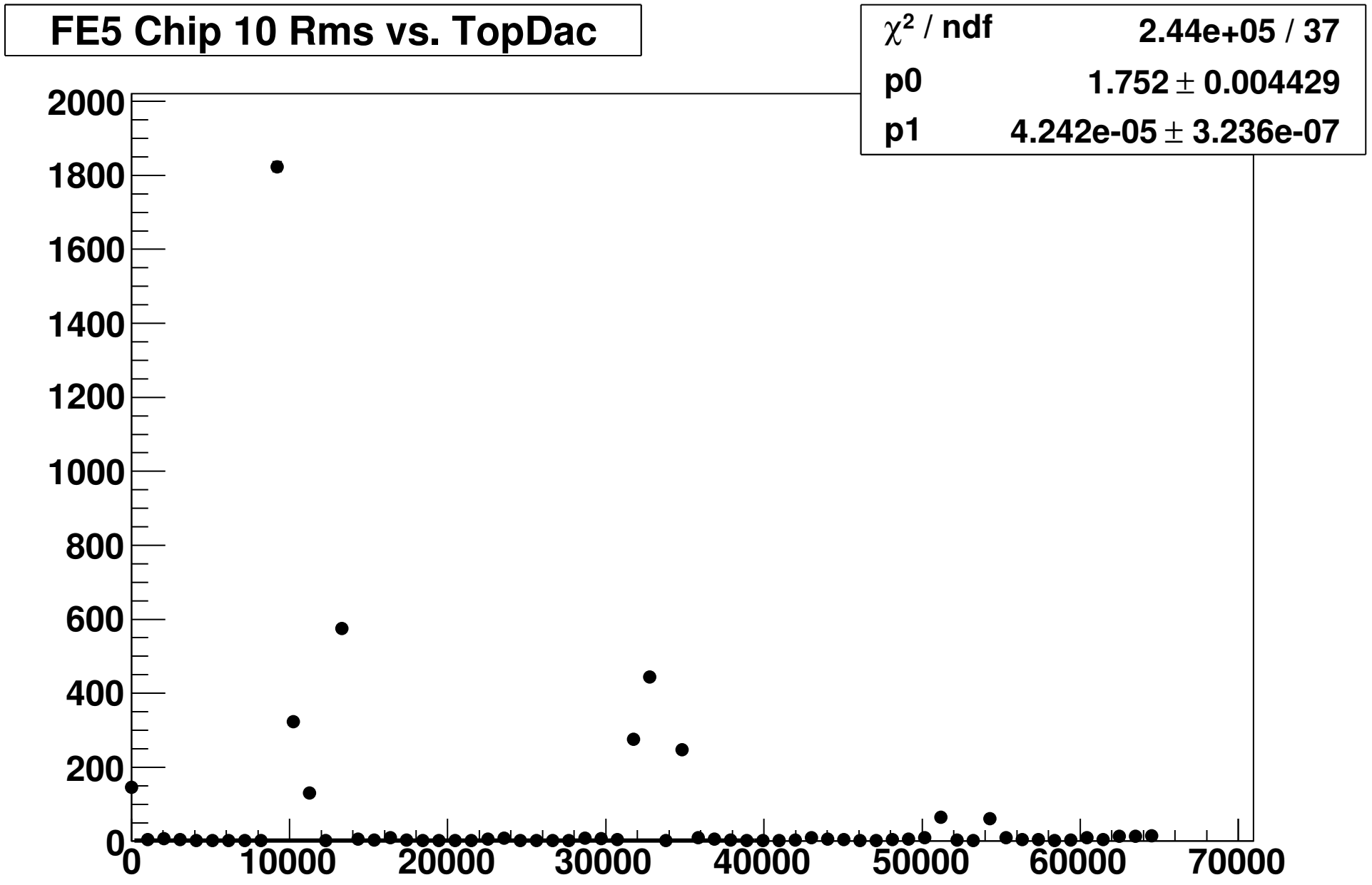

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 2.739e+11 / 37
p0 -1486 ± 0.007217
p1 0.4279 ± 3.346e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

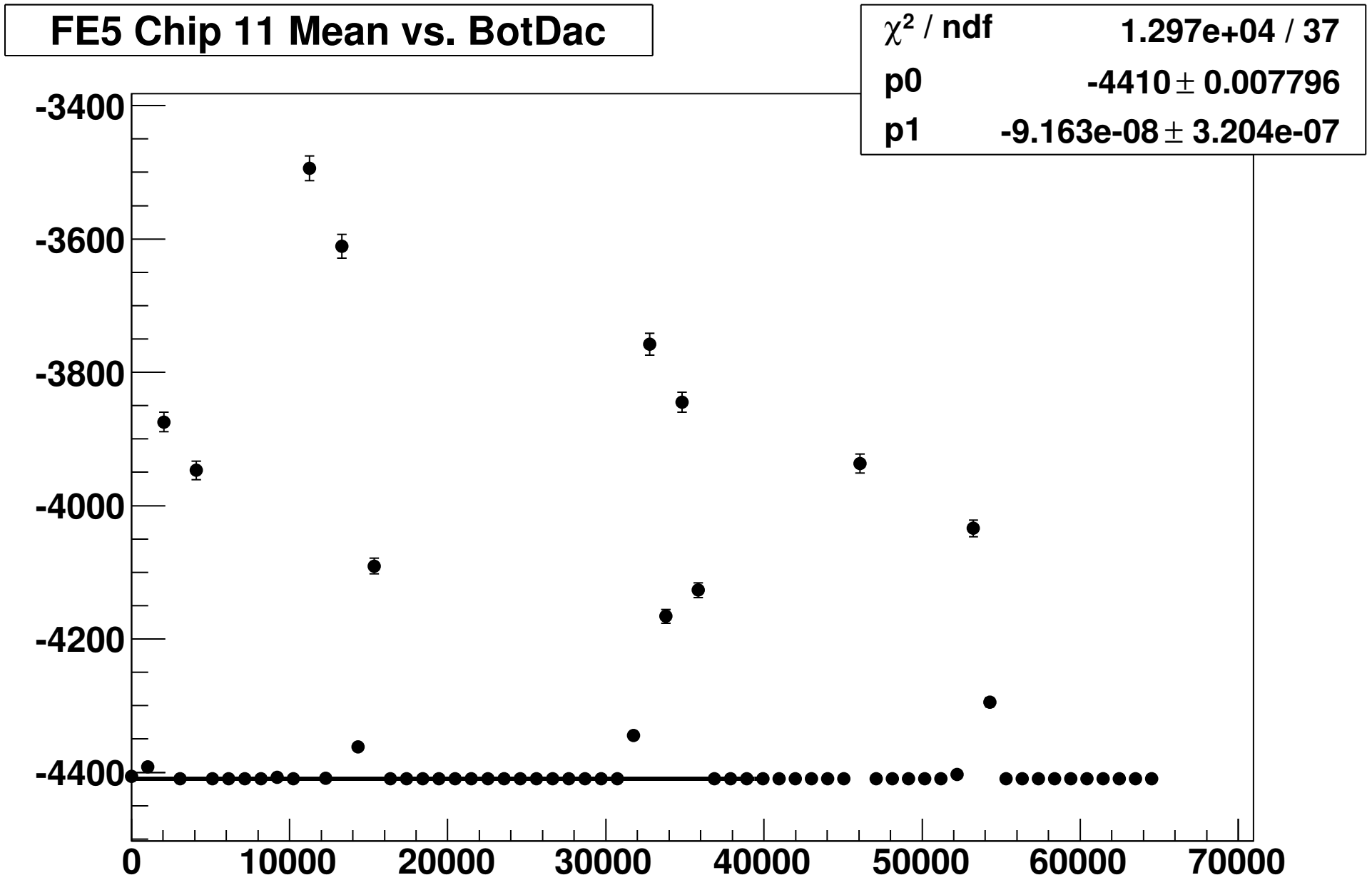

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 2.053e+05 / 37
p0 1.691 ± 0.003979
p1 3.706e-05 ± 3.145e-07
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

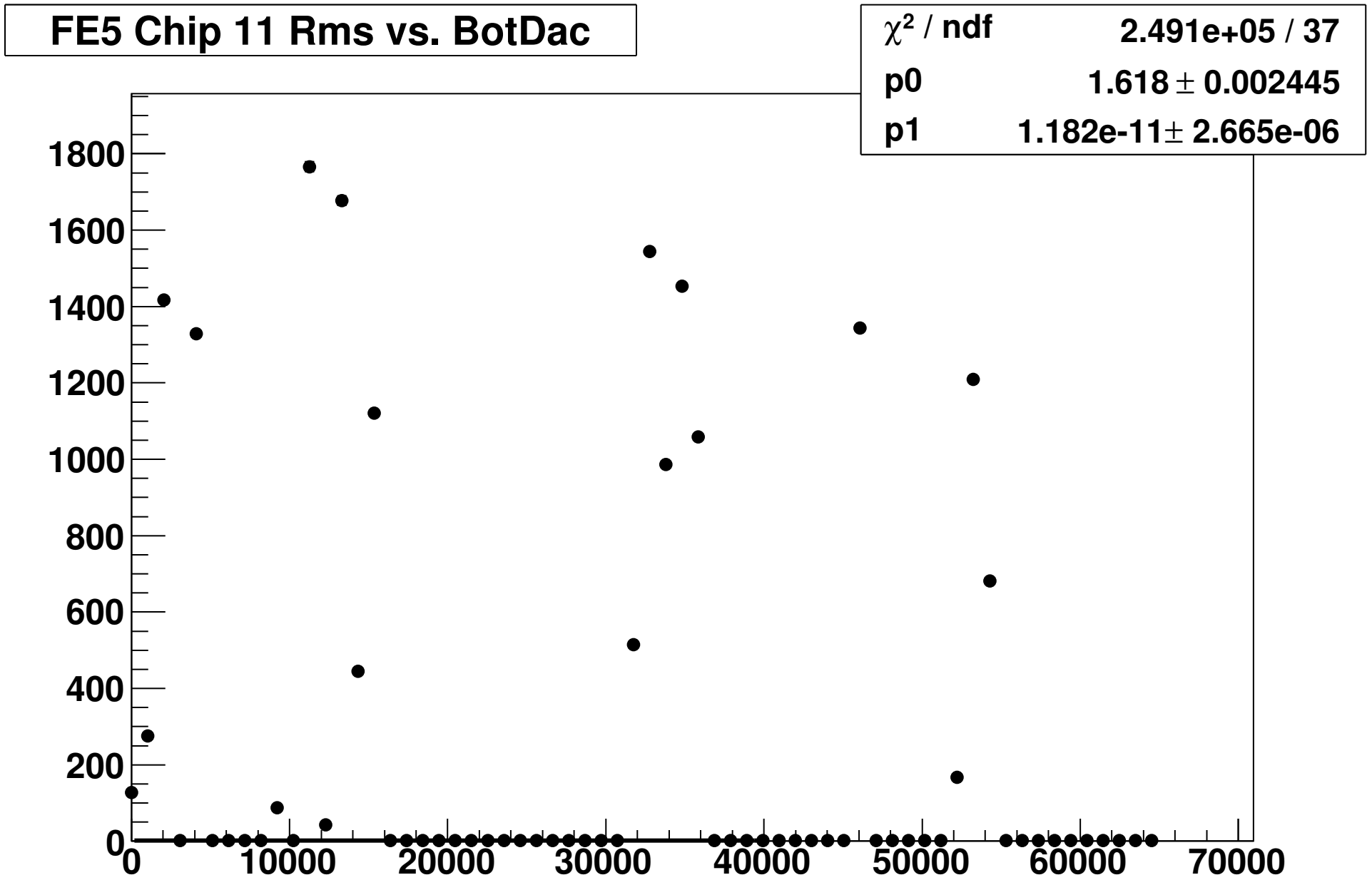

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 1.338e+04 / 37
p0 -4411 ± 0.007493
p1 -2.372e-08 ± 3.079e-07
-3400
-3600
-3800
-4000
-4200
-4400
0
10000
20000
30000
40000
50000
60000
70000

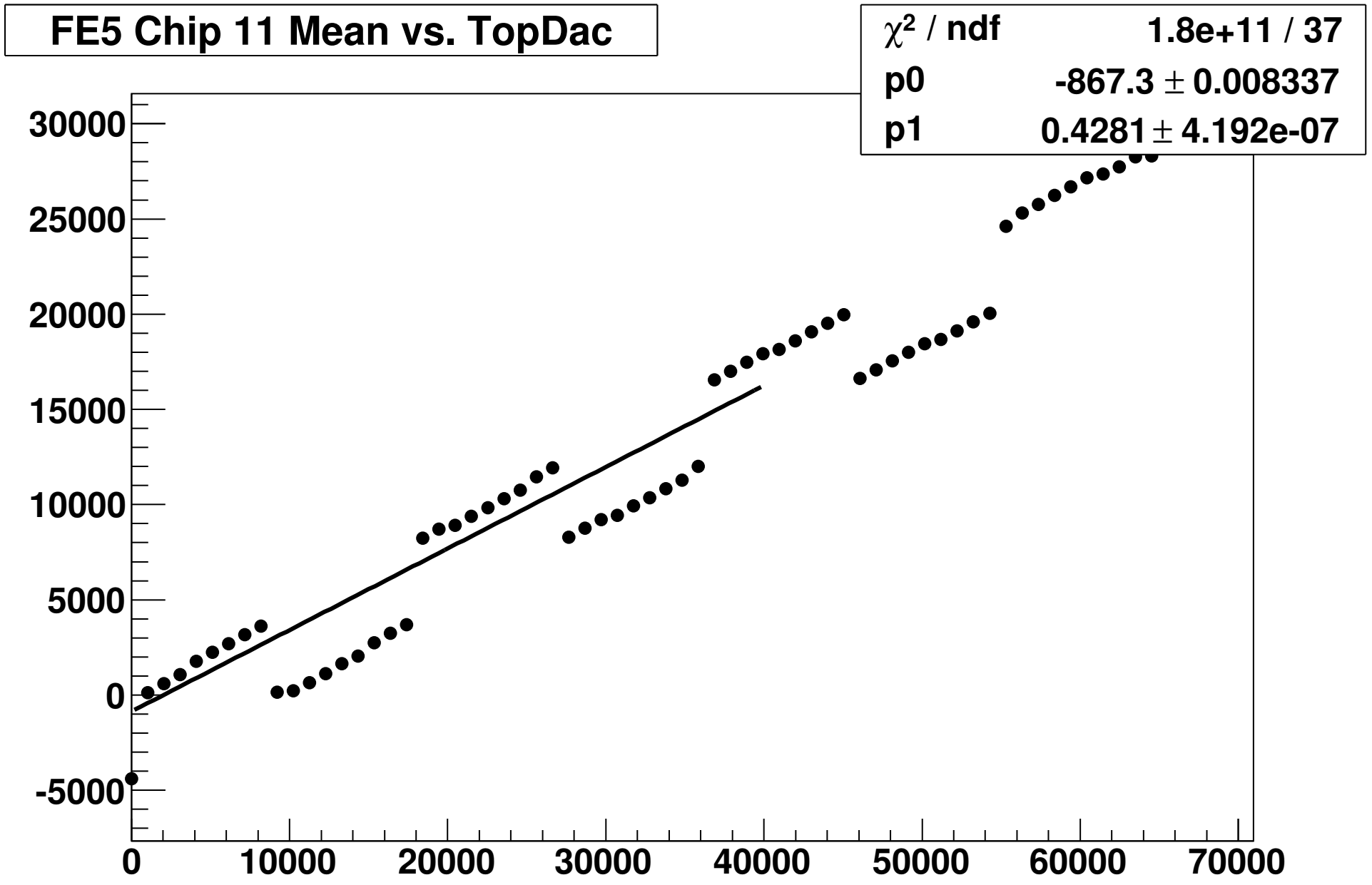

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 2.501e+05 / 37
p0 1.552 ± 0.002374
p1 1.114e-10 ± 3.177e-06
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

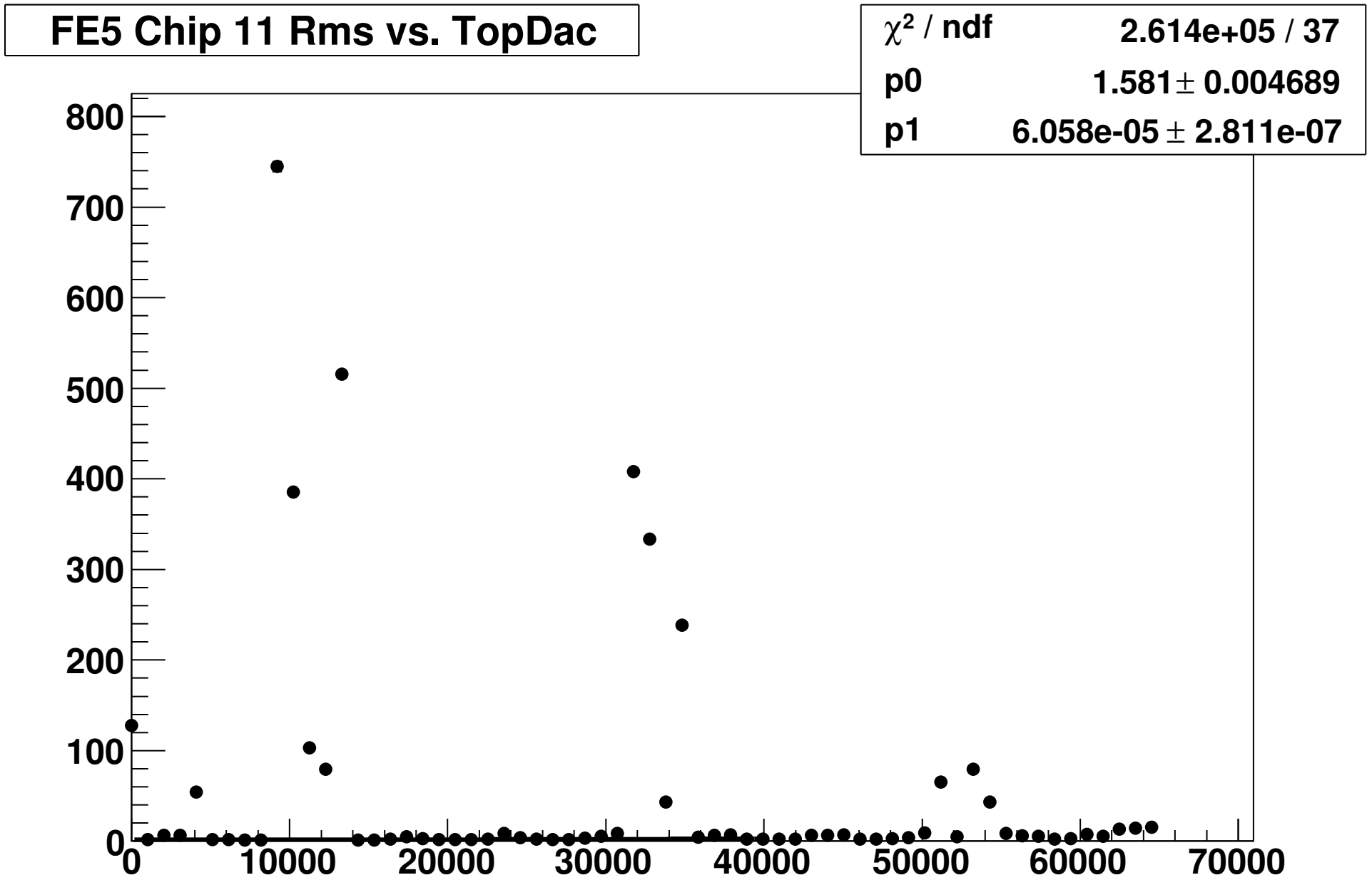

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.536e+11 / 37
p0 -517.4 ± 0.008132
p1 0.4295 ± 3.768e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

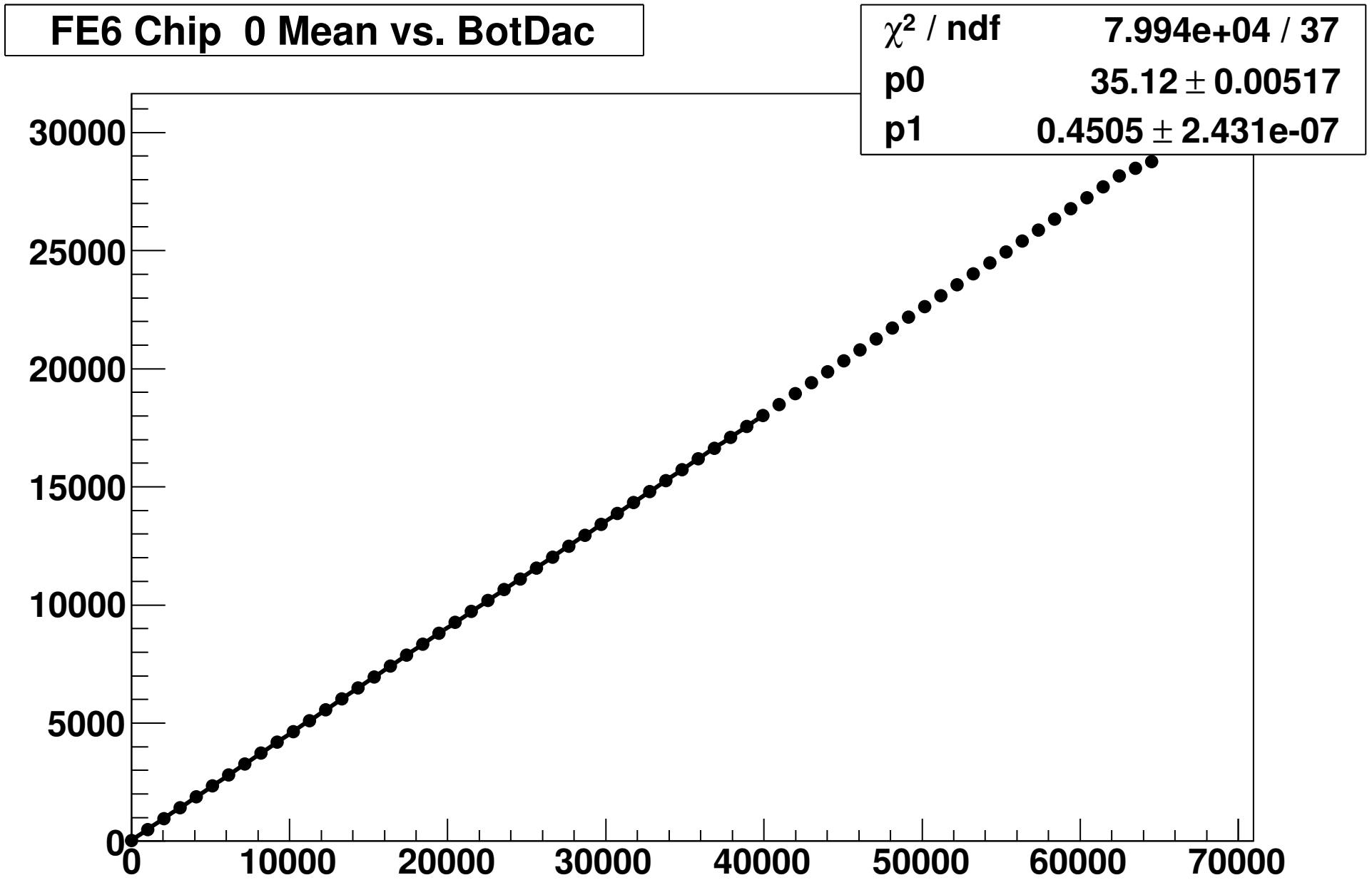

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 2.44e+05 / 37
p0 1.752 ± 0.004429
p1 4.242e-05 ± 3.236e-07
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

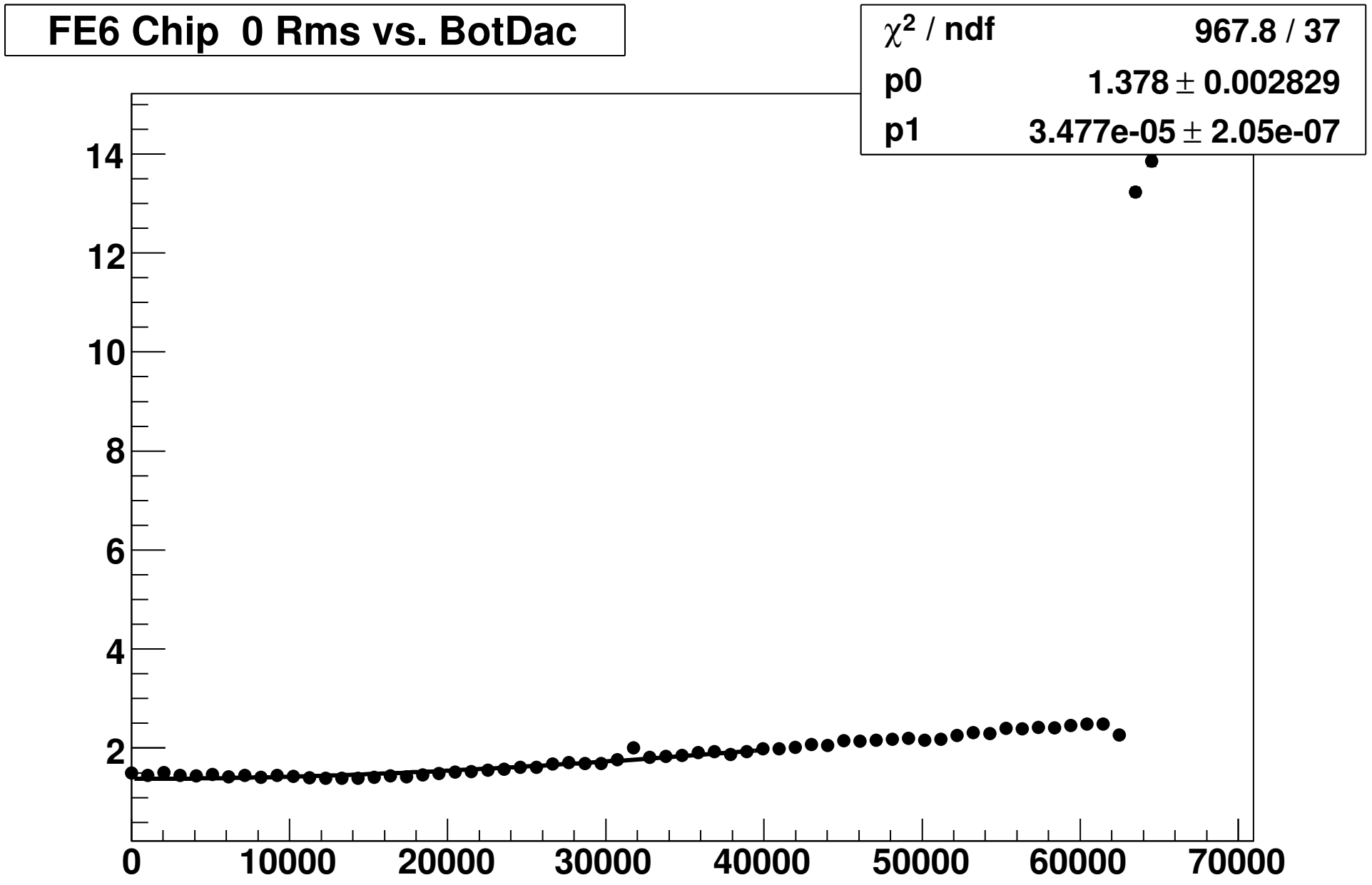

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 1.297e+04 / 37
p0 -4410 ± 0.007796
p1 -9.163e-08 ± 3.204e-07
-3400
-3600
-3800
-4000
-4200
-4400
0
10000
20000
30000
40000
50000
60000
70000

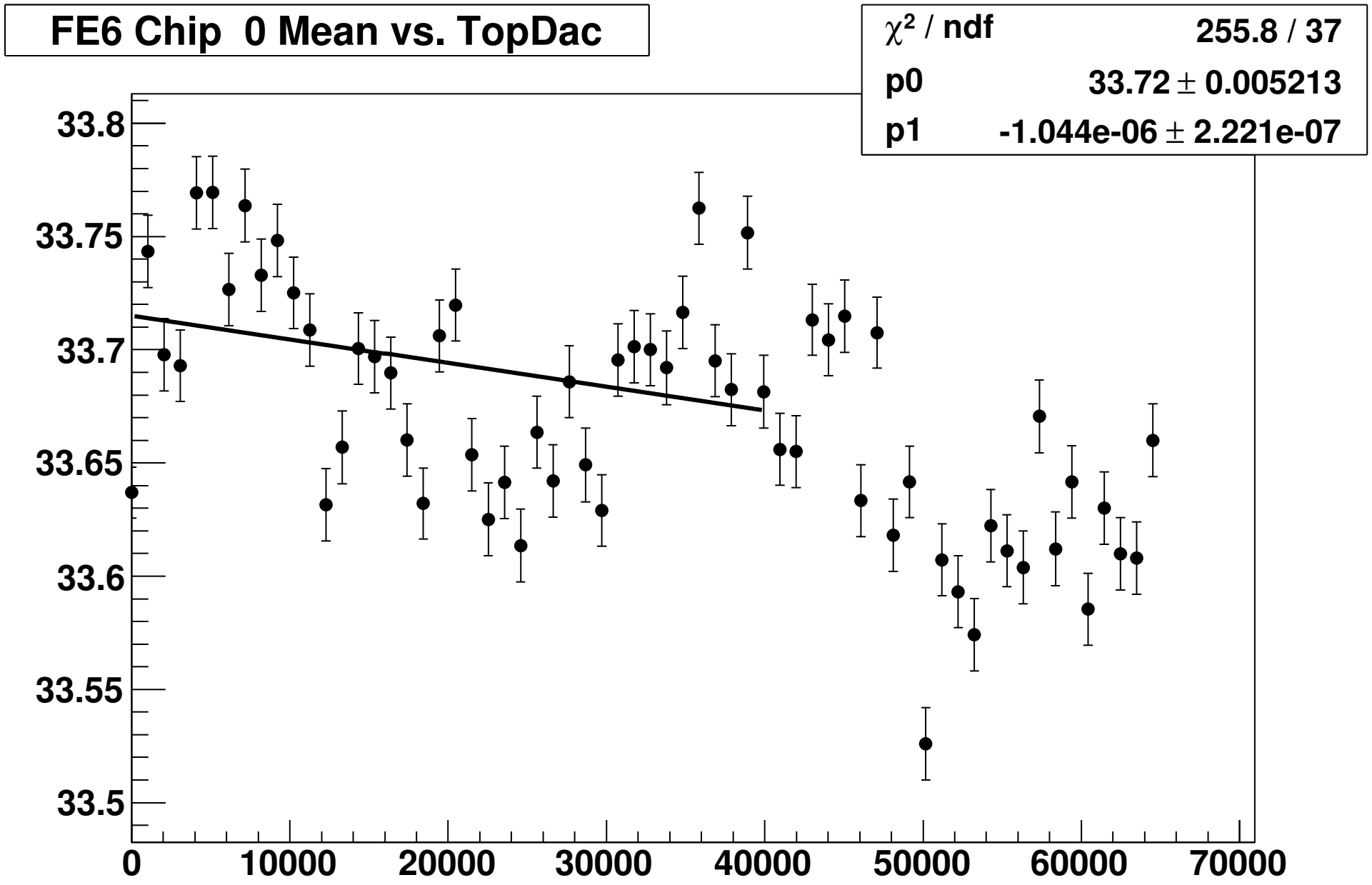

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 2.491e+05 / 37
p0 1.618 ± 0.002445
p1 1.182e-11 ± 2.665e-06
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

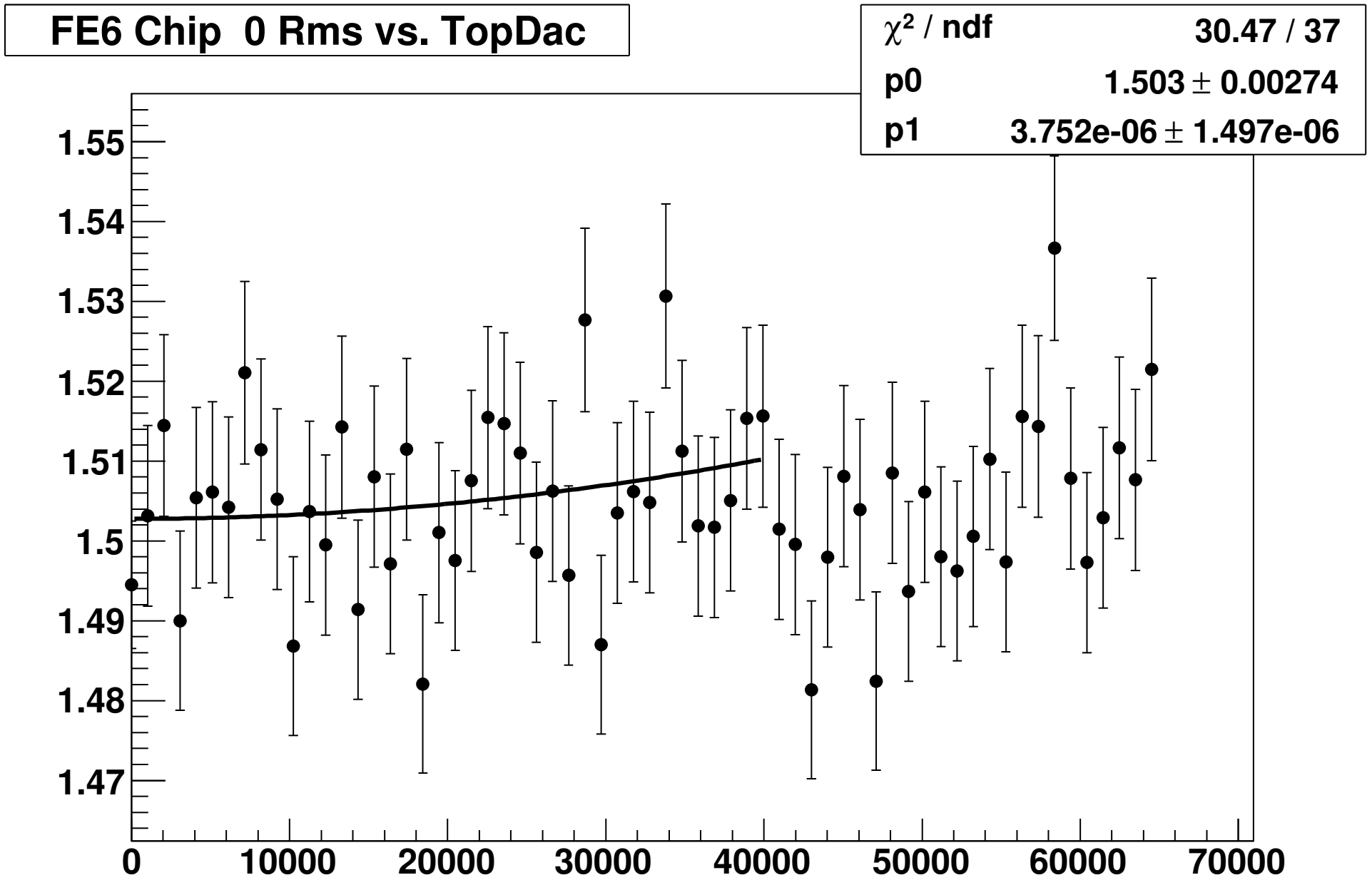

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 1.8e+11 / 37
p0 -867.3 ± 0.008337
p1 0.4281 ± 4.192e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

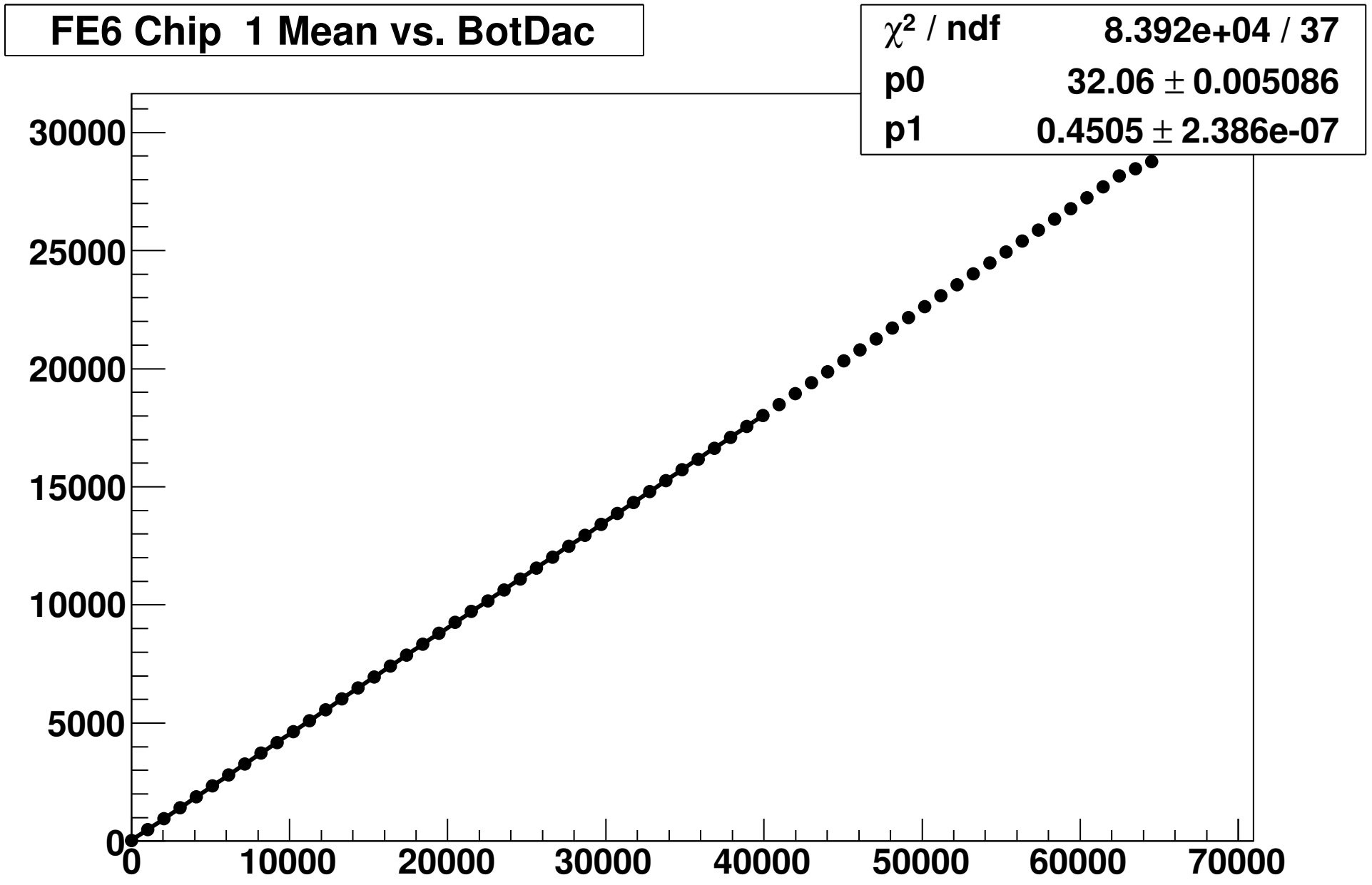

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 2.614e+05 / 37
p0 1.581 ± 0.004689
p1 6.058e-05 ± 2.811e-07
800
700
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

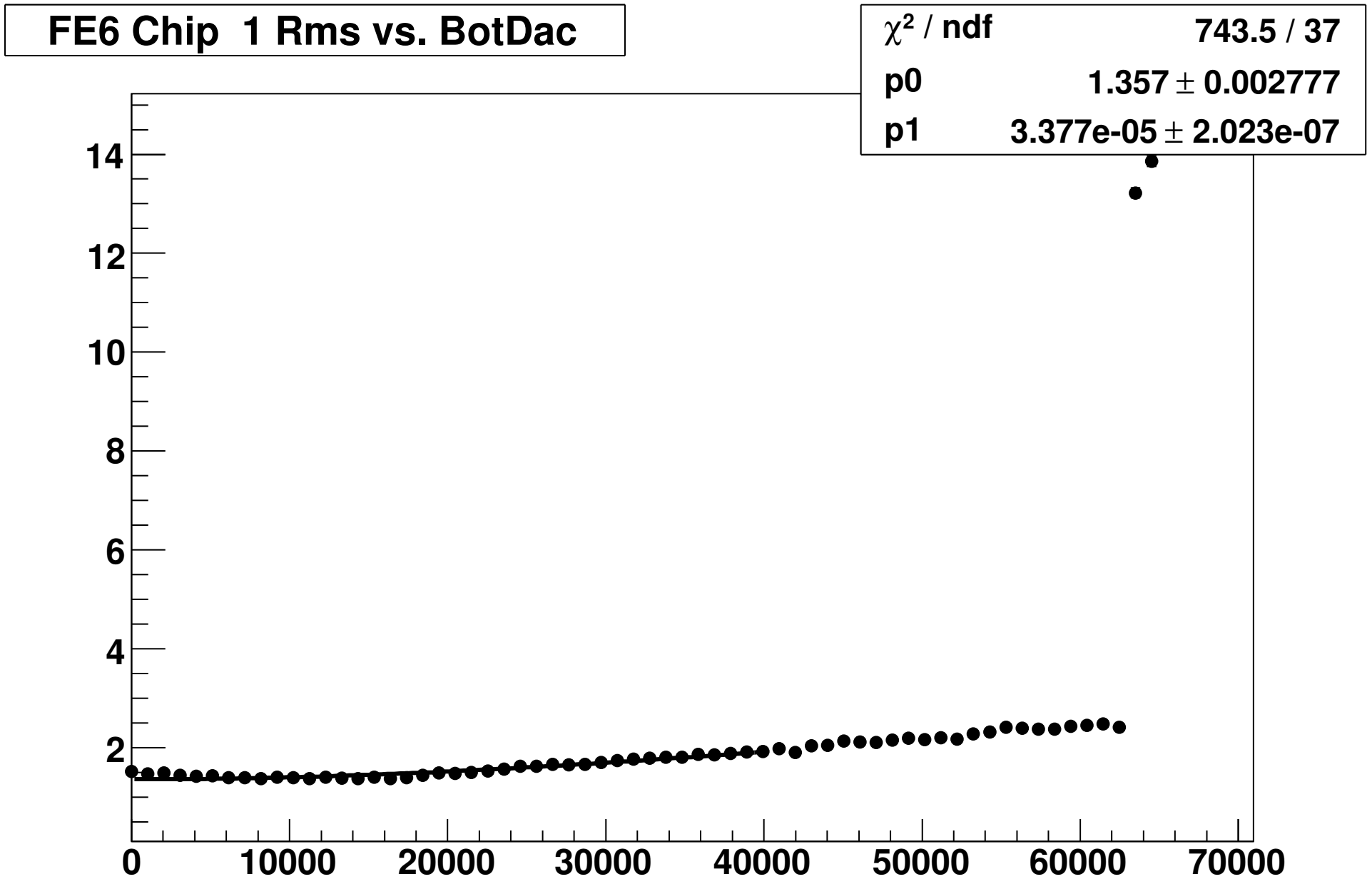

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 7.994e+04 / 37
p0 35.12 ± 0.00517
p1 0.4505 ± 2.431e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

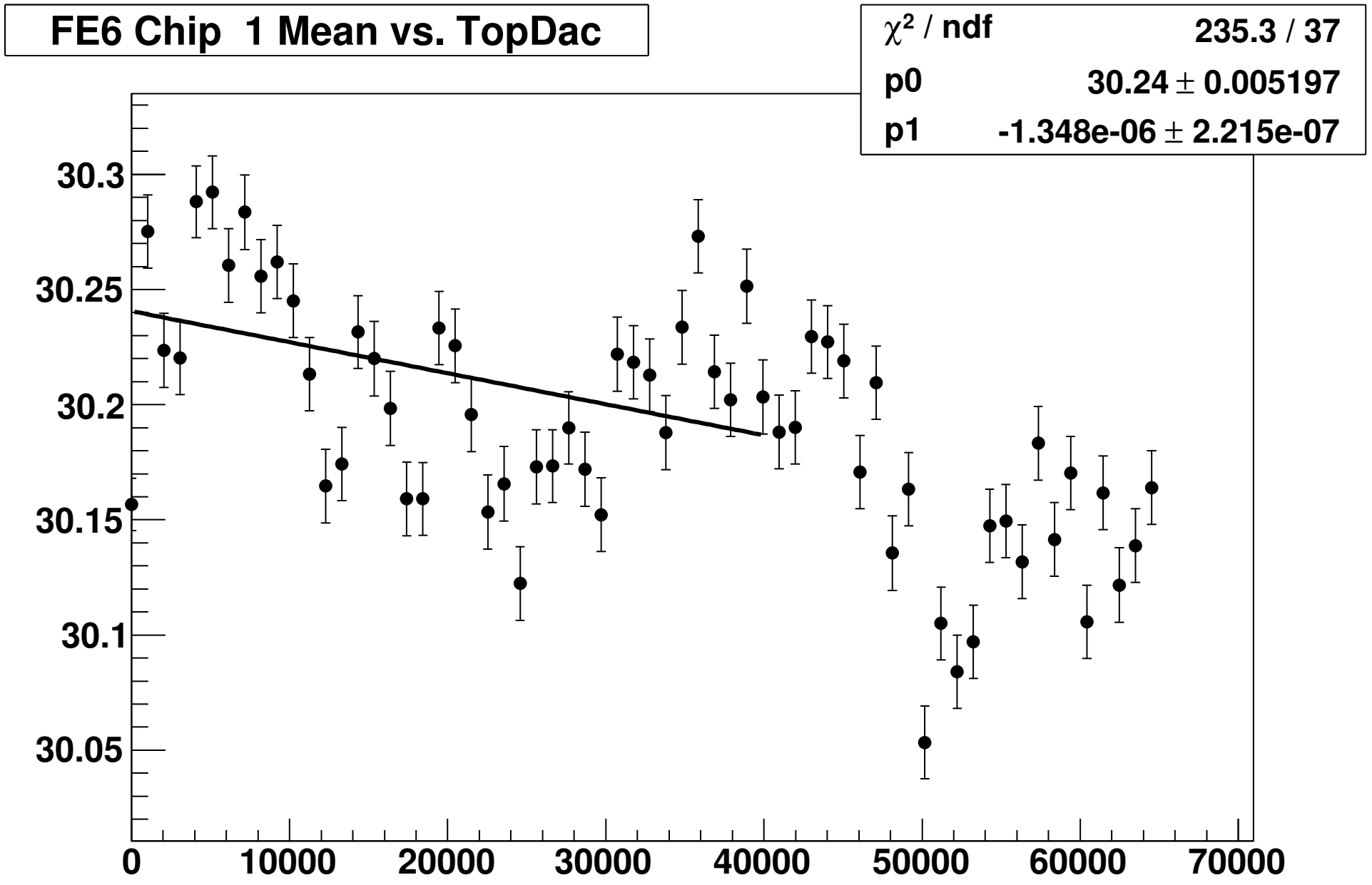

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 967.8 / 37
p0 1.378 ± 0.002829
p1 3.477e-05 ± 2.05e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

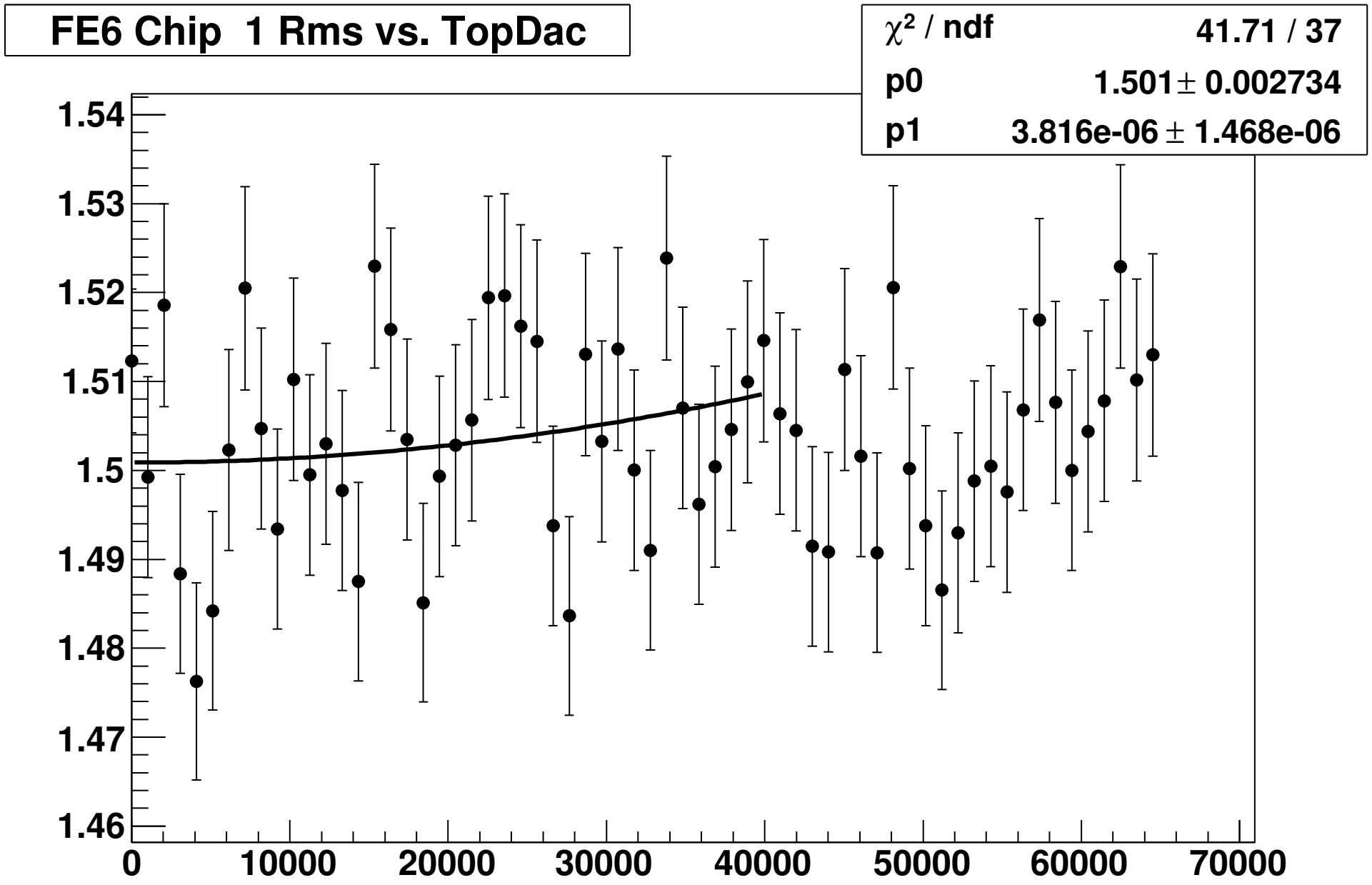

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 255.8 / 37
p0 33.72 ± 0.005213
p1 -1.044e-06 ± 2.221e-07
33.8
33.75
33.7
33.65
33.6
33.55
33.5
0
10000
20000
30000
40000
50000
60000
70000

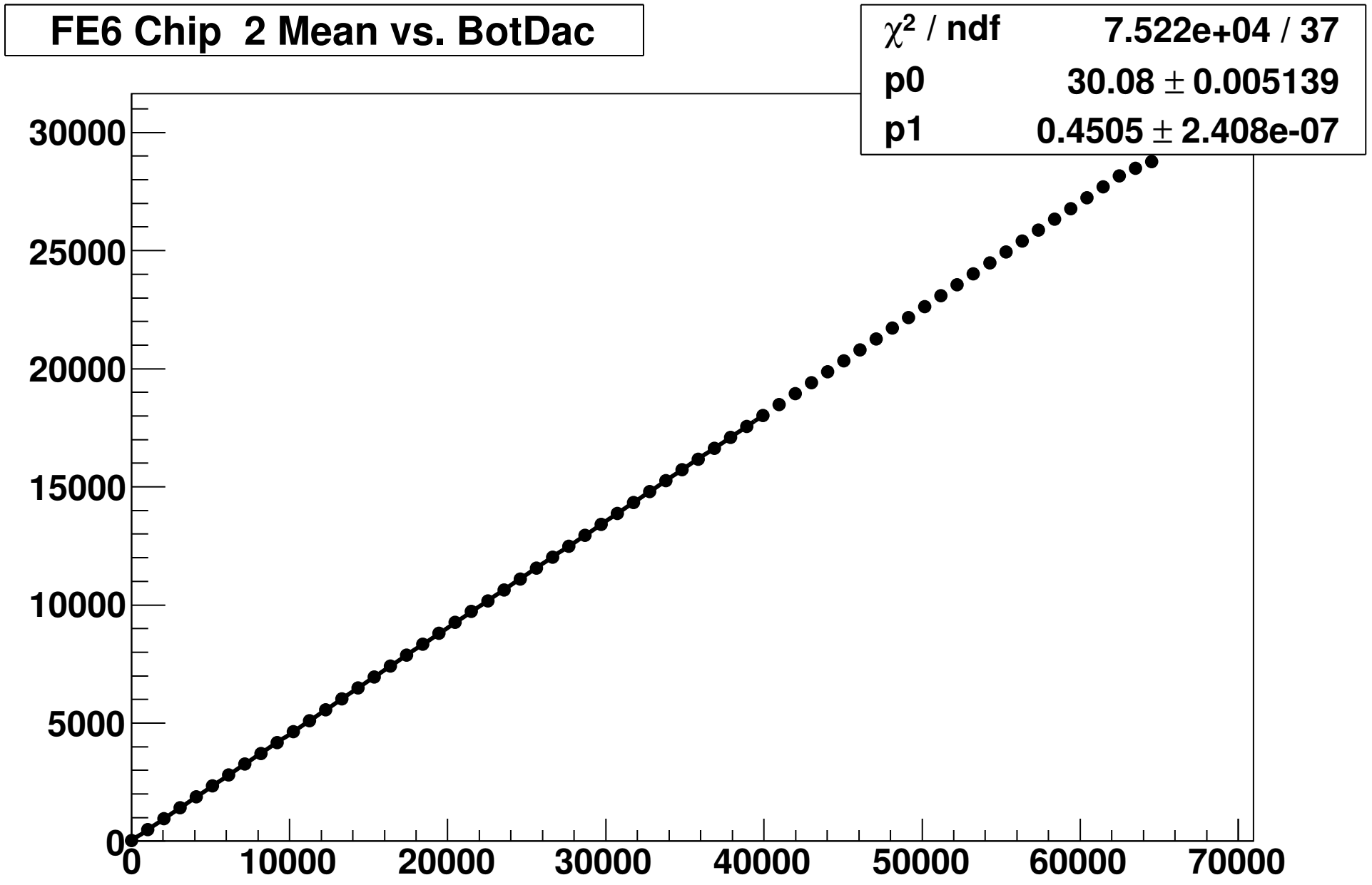

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 30.47 / 37
p0 1.503 ± 0.00274
p1 3.752e-06 ± 1.497e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 8.392e+04 / 37
p0 32.06 ± 0.005086
p1 0.4505 ± 2.386e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 743.5 / 37
p0 1.357 ± 0.002777
p1 3.377e-05 ± 2.023e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 235.3 / 37
p0 30.24 ± 0.005197
p1 -1.348e-06 ± 2.215e-07
30.3
30.25
30.2
30.15
30.1
30.05
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 41.71 / 37
p0 1.501 ± 0.002734
p1 3.816e-06 ± 1.468e-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


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 7.522e+04 / 37
p0 30.08 ± 0.005139
p1 0.4505 ± 2.408e-07
30000
25000
20000
15000
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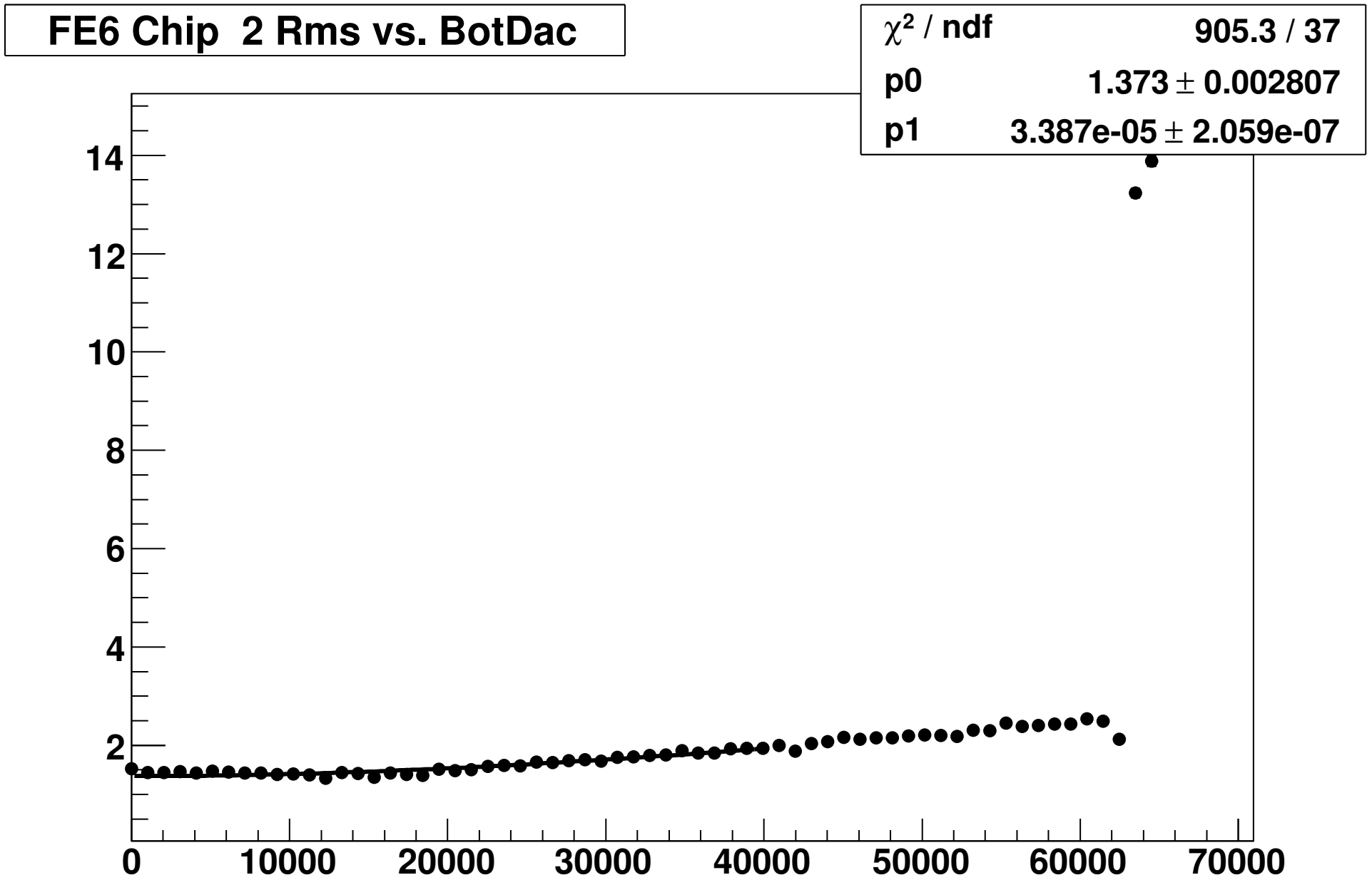
FE6 Chip 2 Rms vs. BotDac
χ² / ndf 905.3 / 37
p0 1.373 ± 0.002807
p1 3.387e-05 ± 2.059e-07
14
12
10
8
6
4
2
0
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20000
30000
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50000
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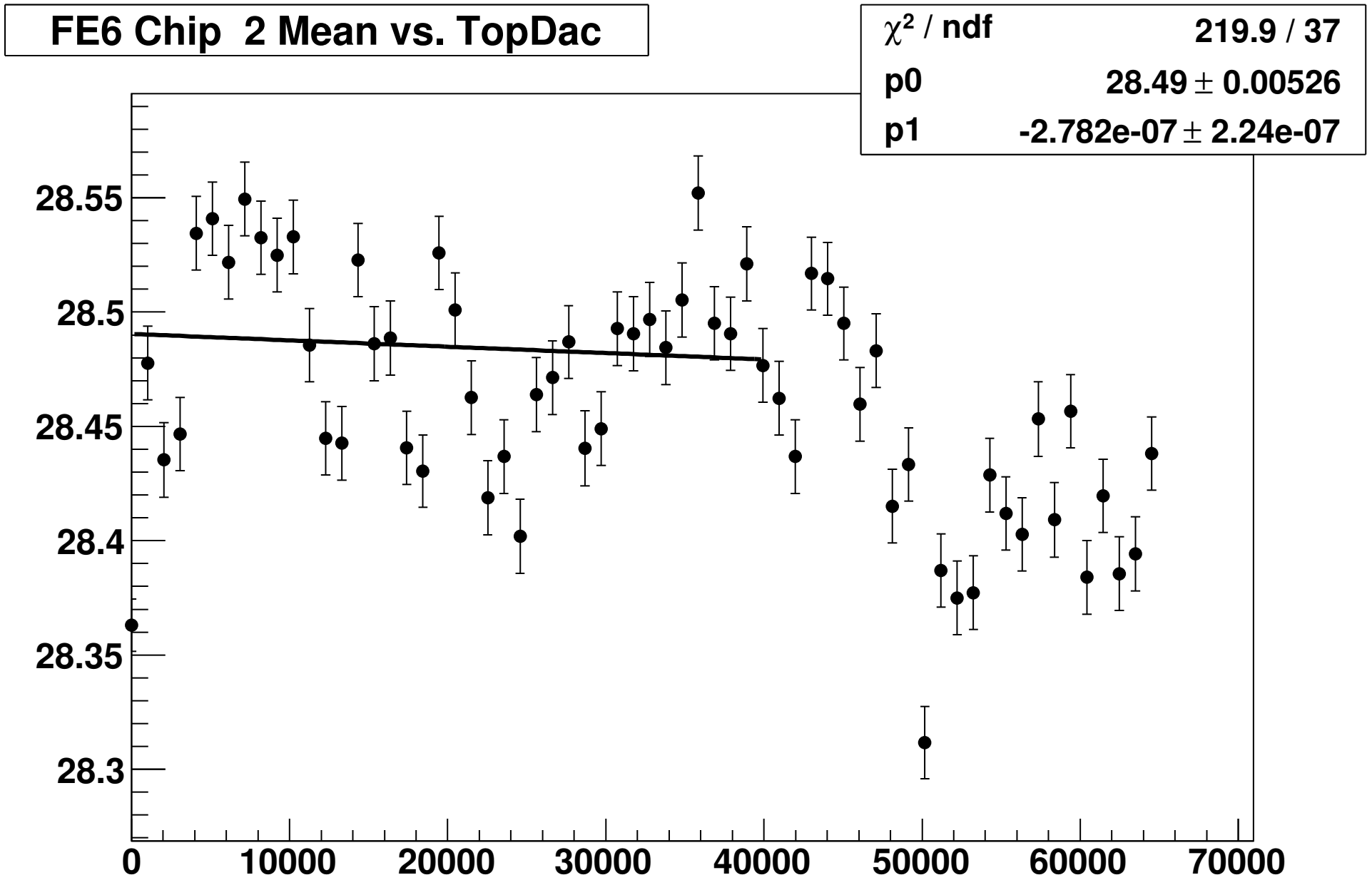
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 219.9 / 37
p0 28.49 ± 0.00526
p1 -2.782e-07 ± 2.24e-07
28.55
28.5
28.45
28.4
28.35
28.3
0
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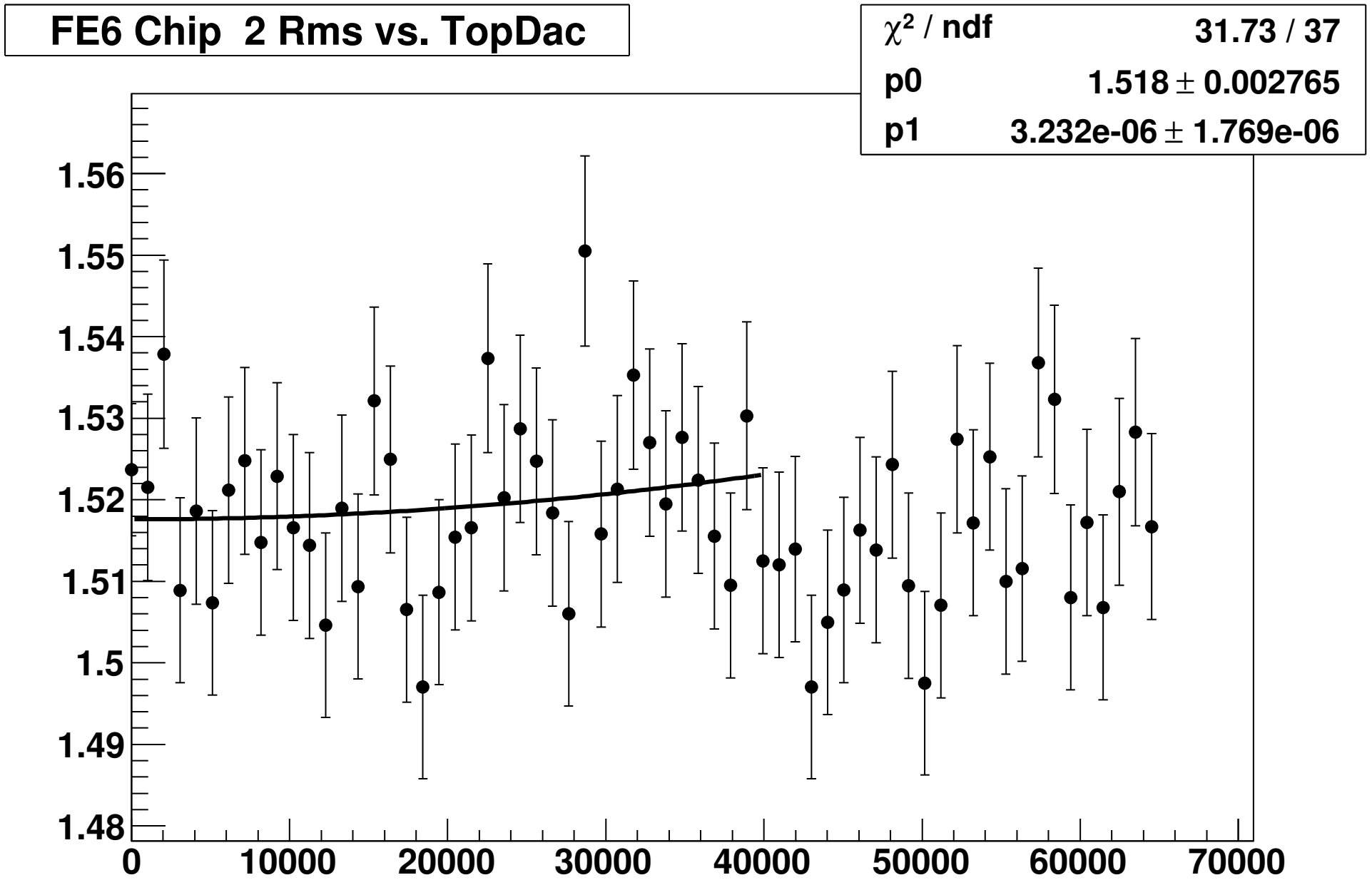
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 31.73 / 37
p0 1.518 ± 0.002765
p1 3.232e-06 ± 1.769e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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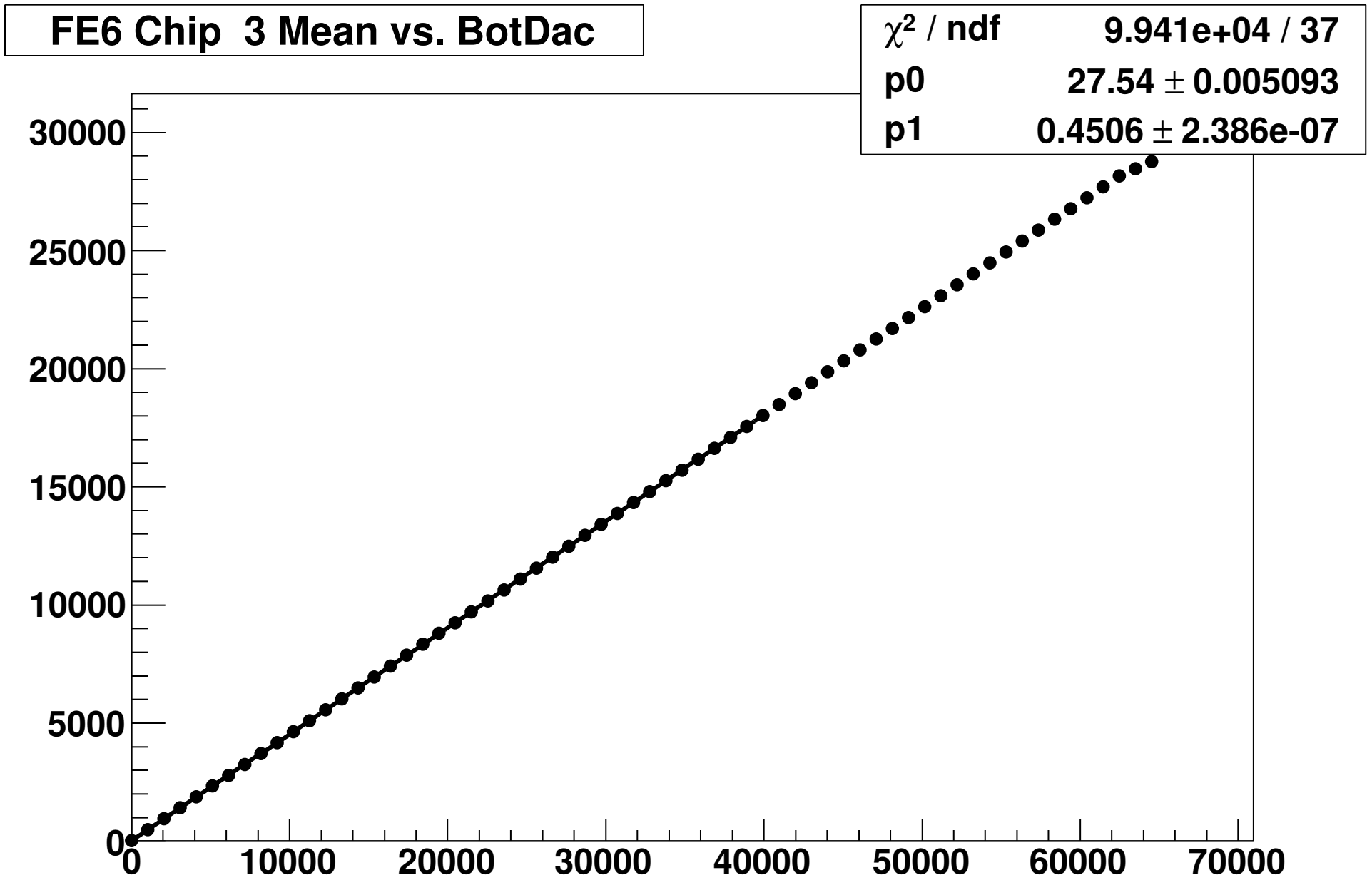
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 9.941e+04 / 37
p0 27.54 ± 0.005093
p1 0.4506 ± 2.386e-07
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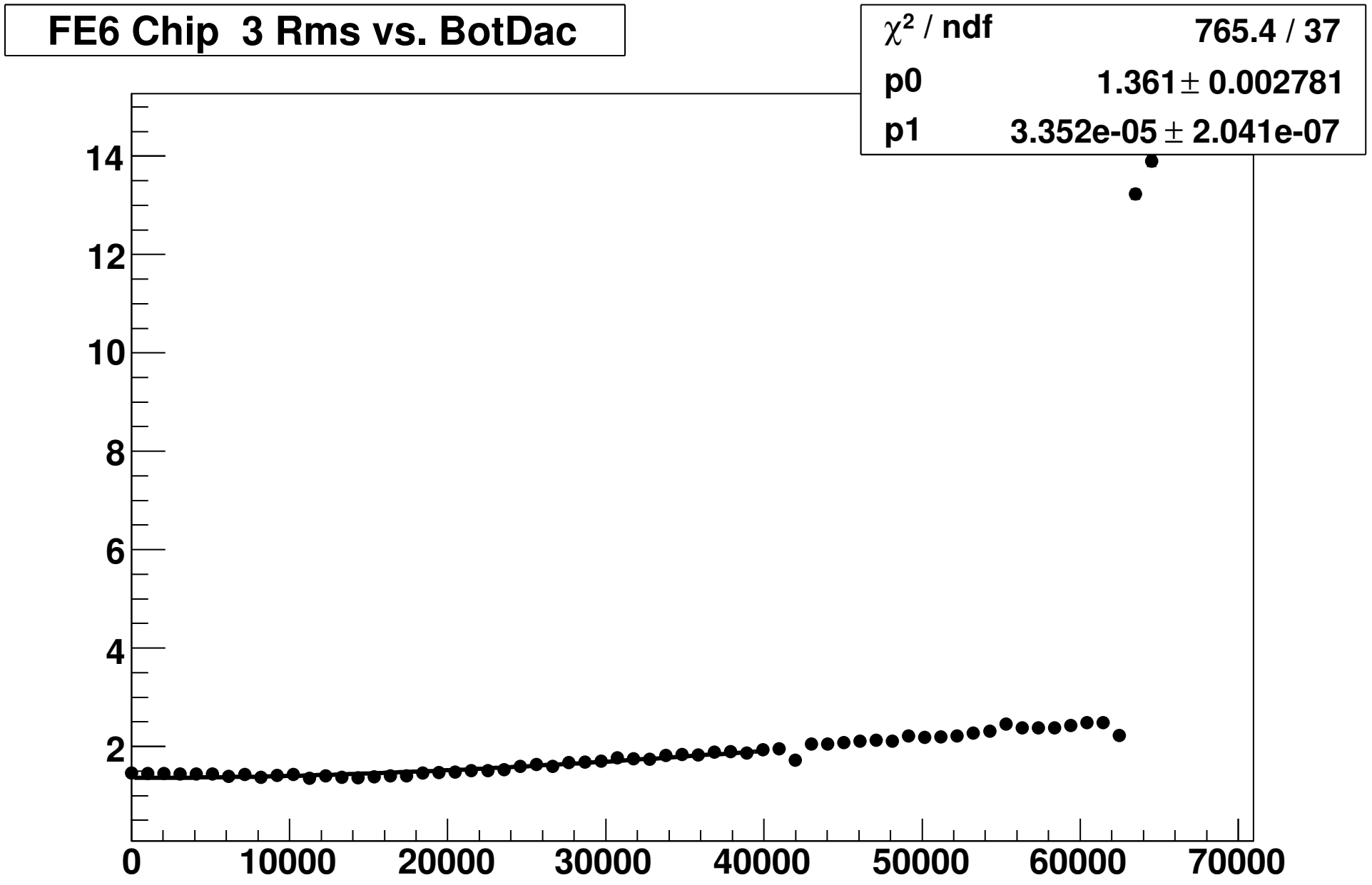
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 765.4 / 37
p0 1.361 ± 0.002781
p1 3.352e-05 ± 2.041e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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60000
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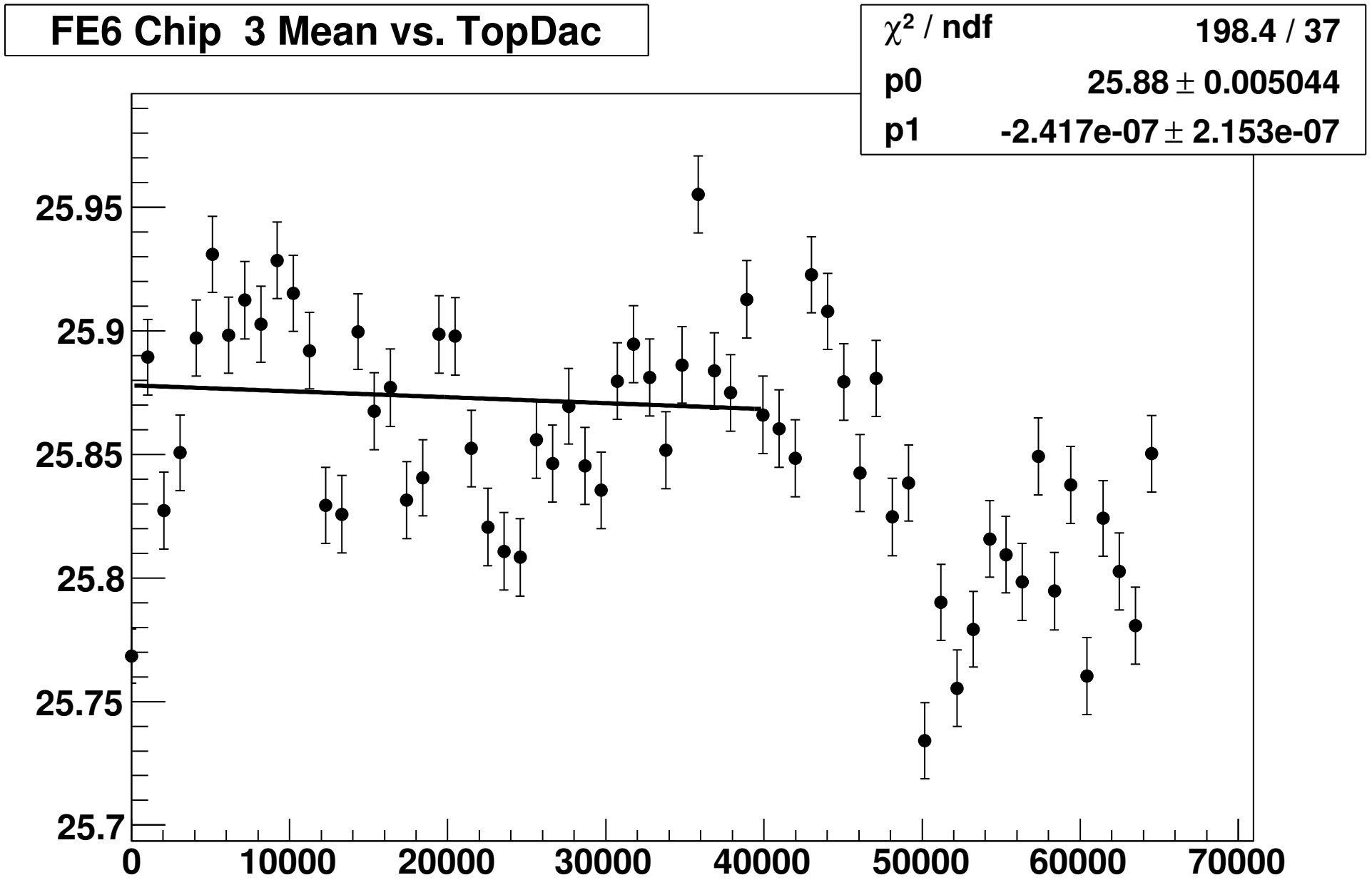
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 198.4 / 37
p0 25.88 ± 0.005044
p1 -2.417e-07 ± 2.153e-07
25.95
25.9
25.85
25.8
25.75
25.7
0
10000
20000
30000
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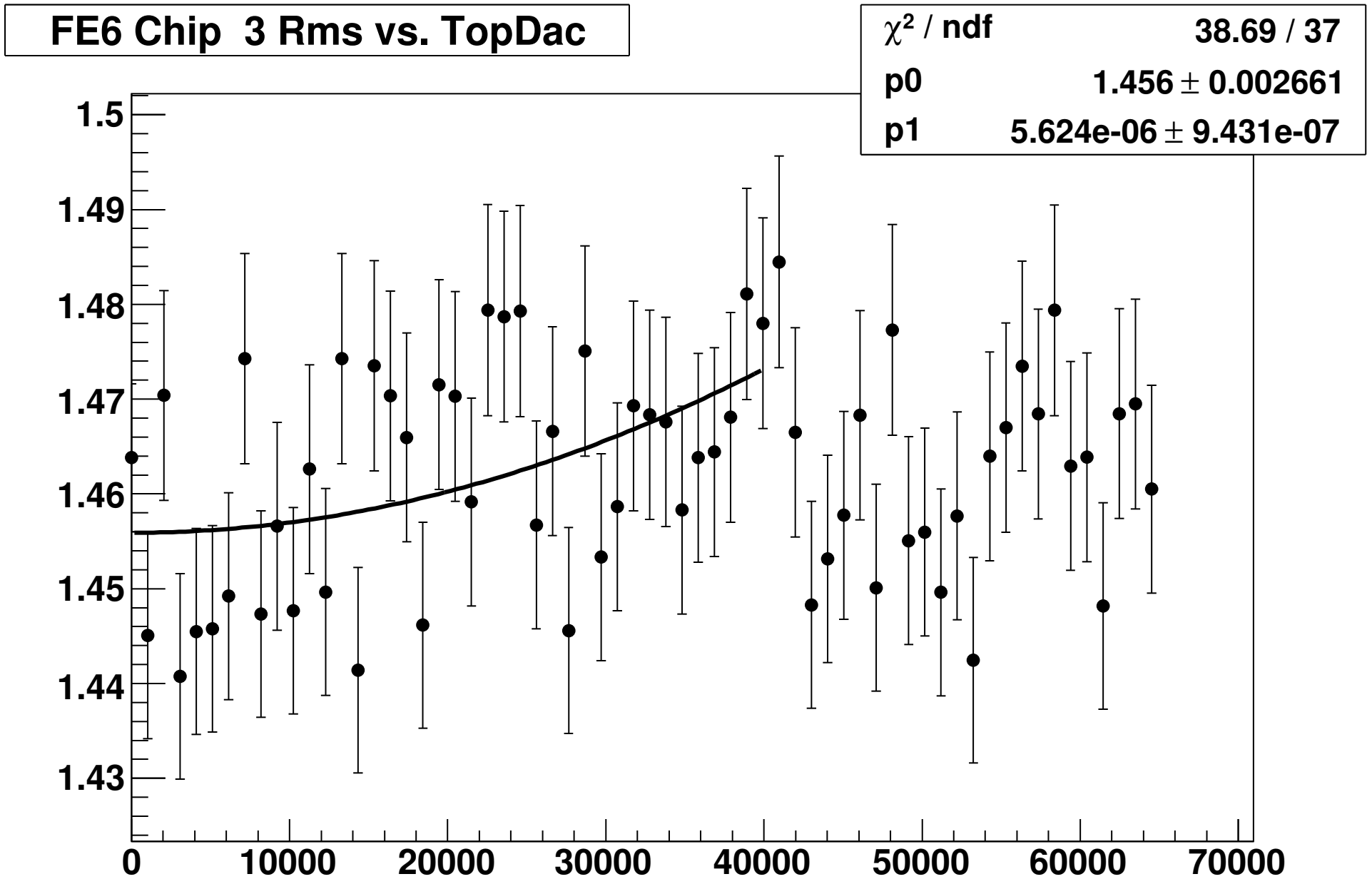
50000
60000
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 38.69 / 37
p0 1.456 ± 0.002661
p1 5.624e-06 ± 9.431e-07
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
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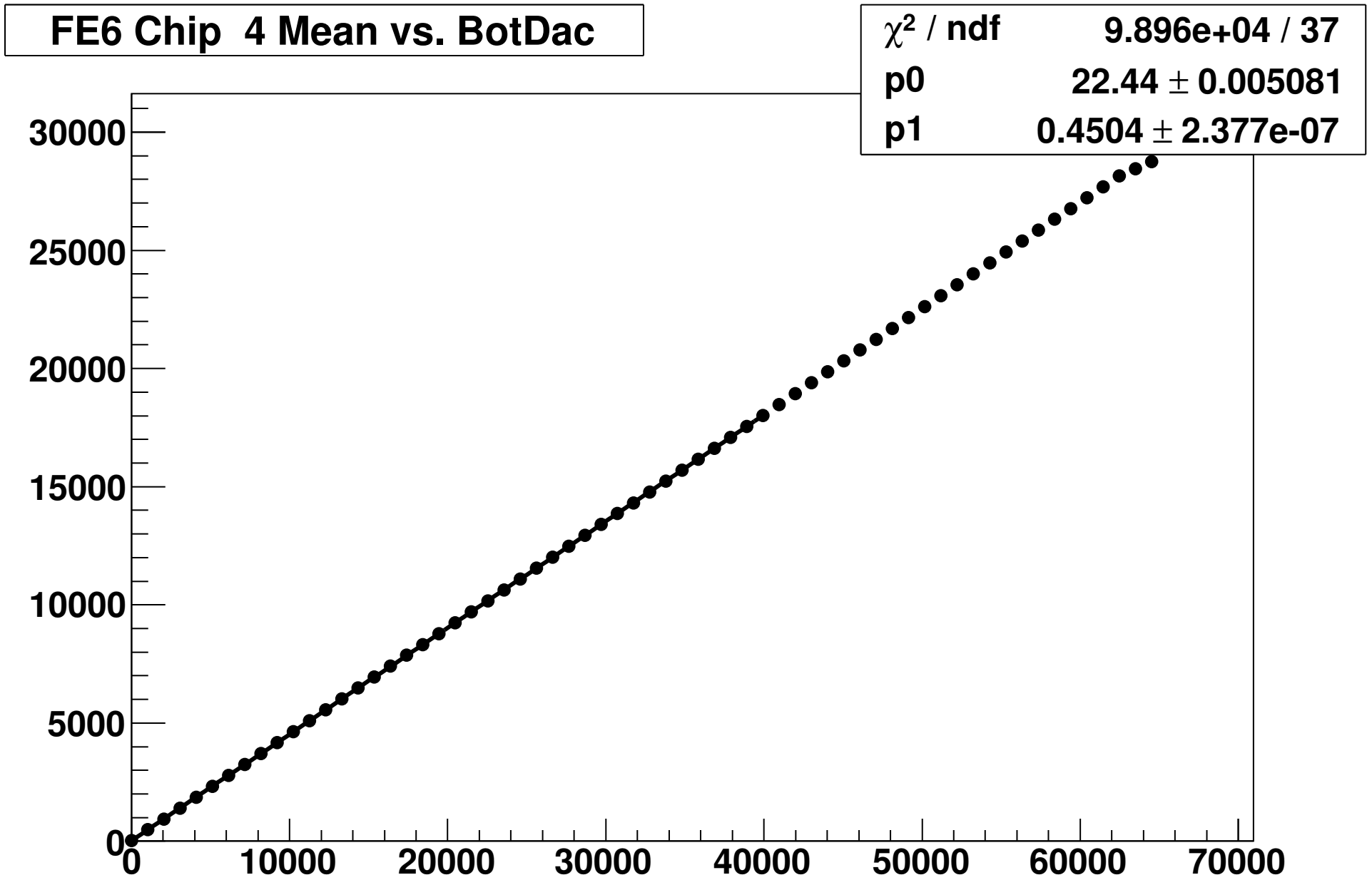
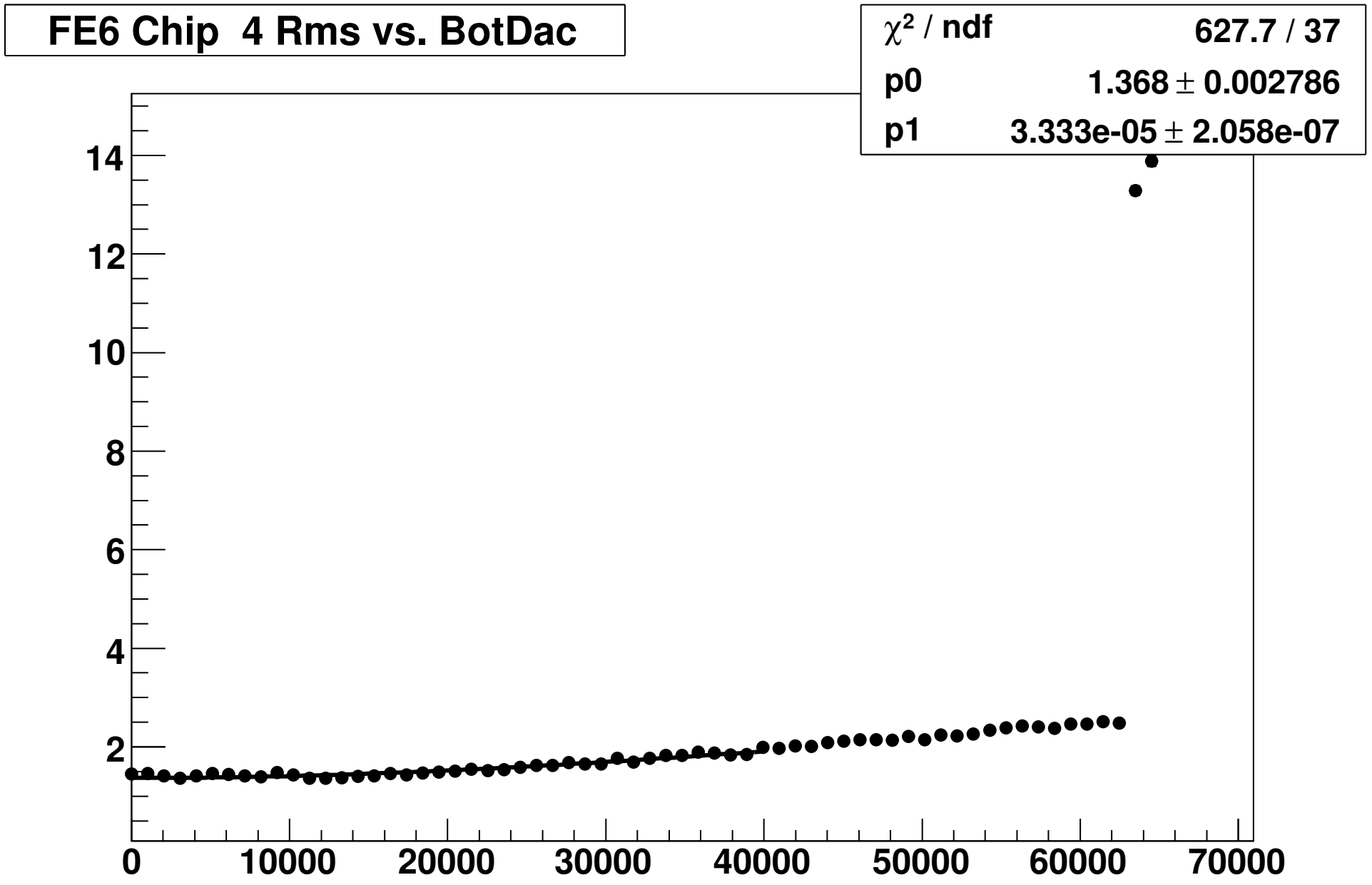
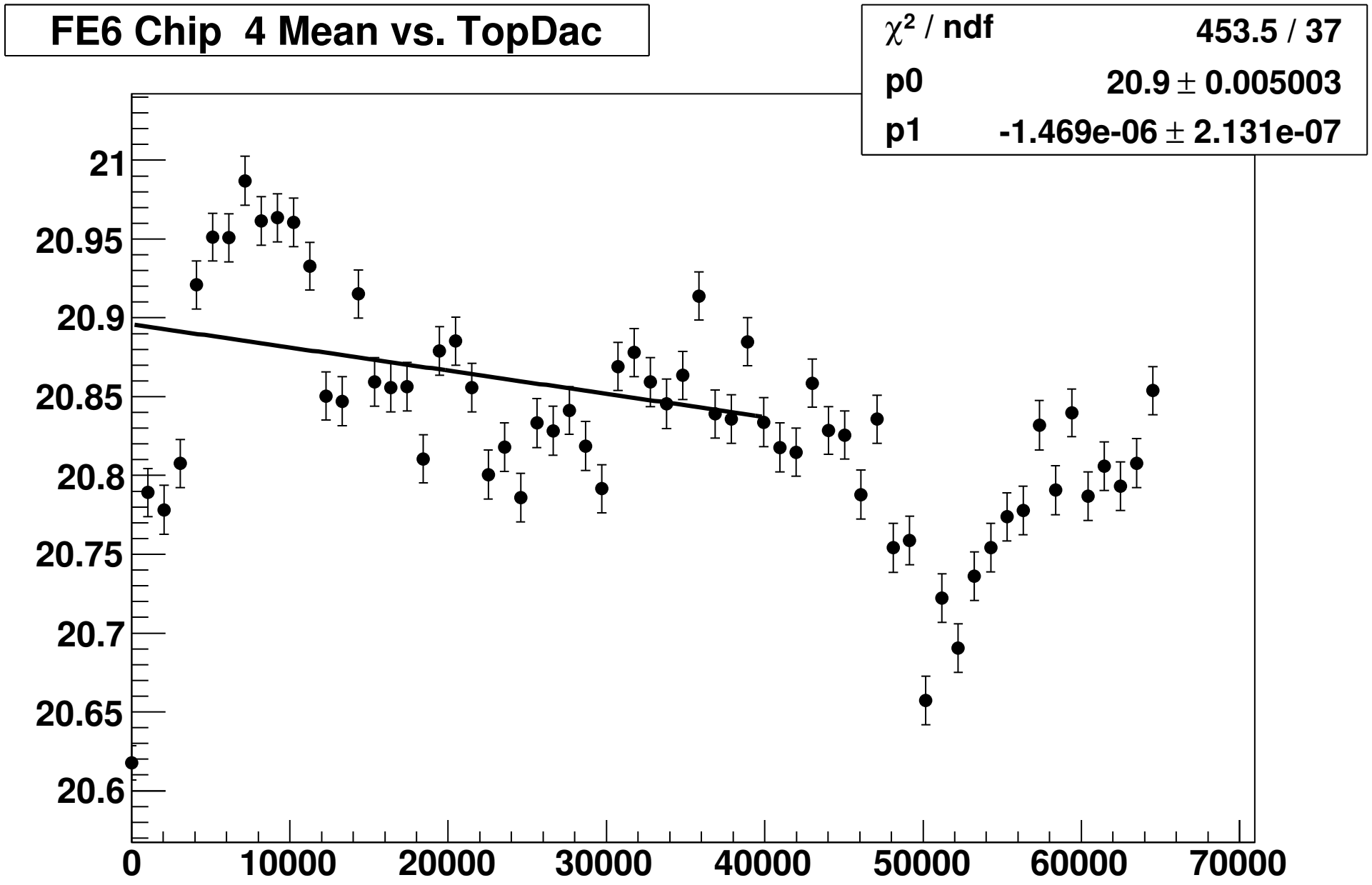

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 9.896e+04 / 37
p0 22.44 ± 0.005081
p1 0.4504 ± 2.377e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 627.7 / 37
p0 1.368 ± 0.002786
p1 3.333e-05 ± 2.058e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 453.5 / 37
p0 20.9 ± 0.005003
p1 -1.469e-06 ± 2.131e-07
21
20.95
20.9
20.85
20.8
20.75
20.7
20.65
20.6
0
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20000
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50000
60000
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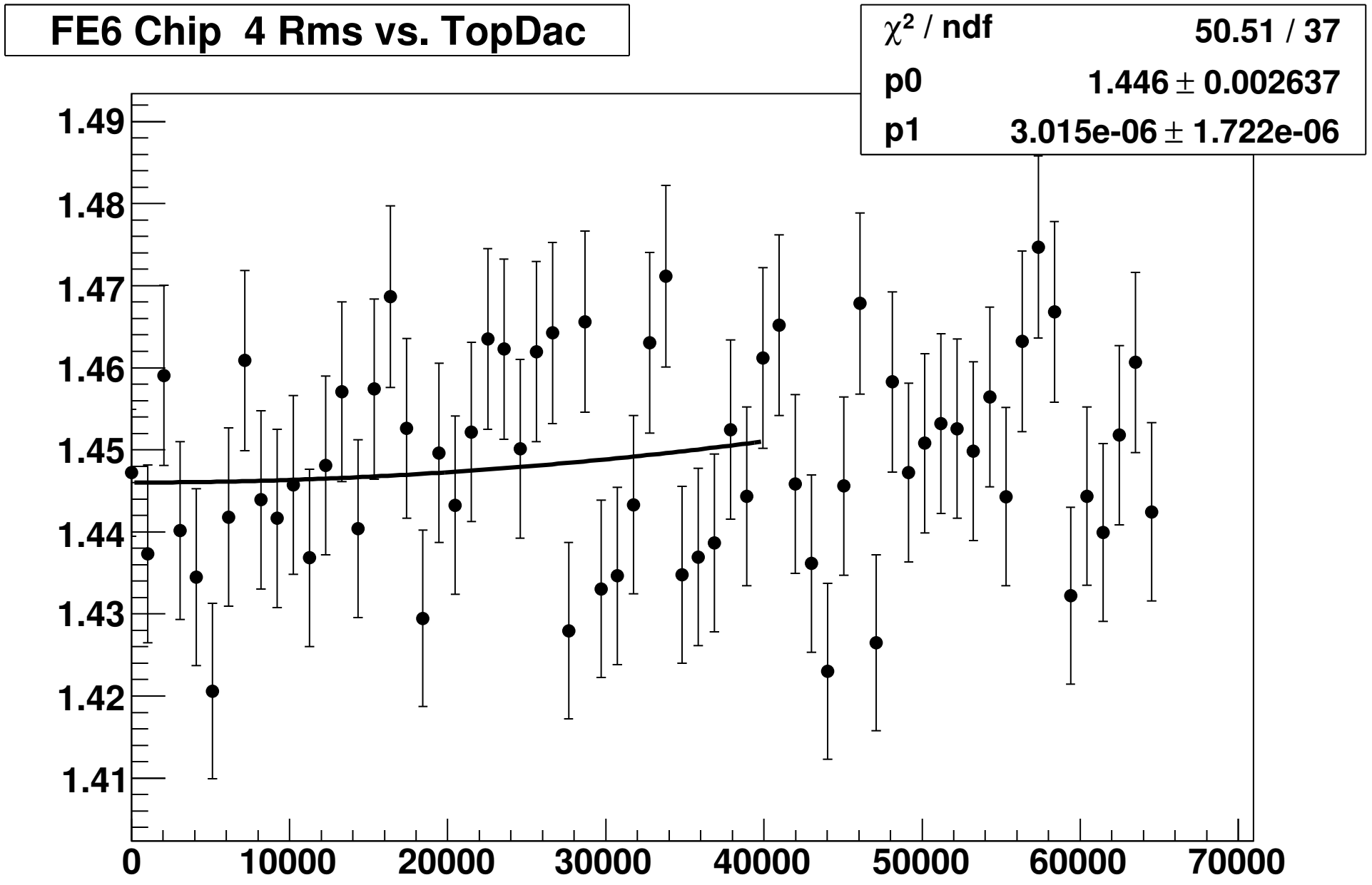
FE6 Chip 4 Rms vs. TopDac
χ² / ndf 50.51 / 37
p0 1.446 ± 0.002637
p1 3.015e-06 ± 1.722e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
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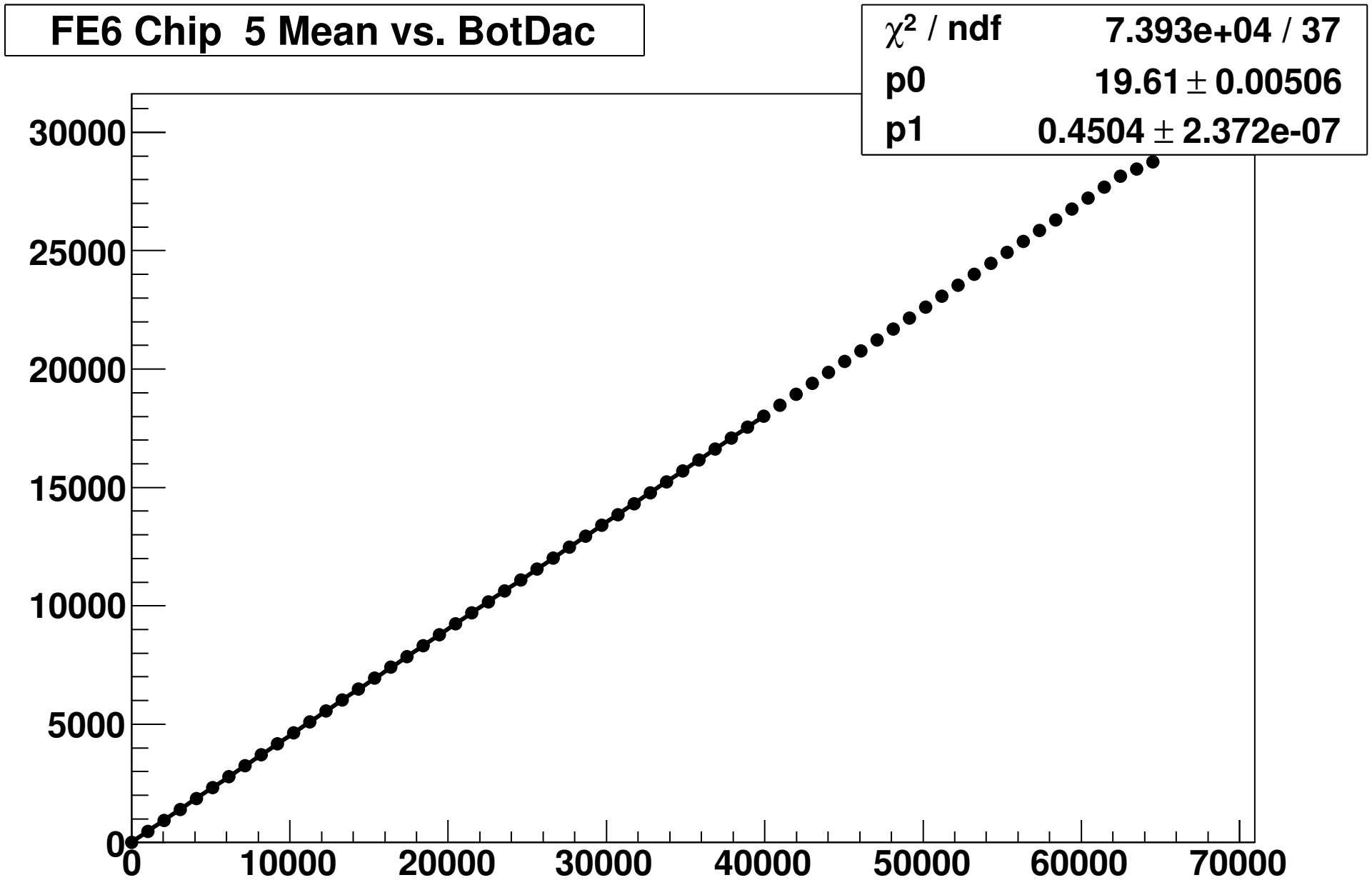
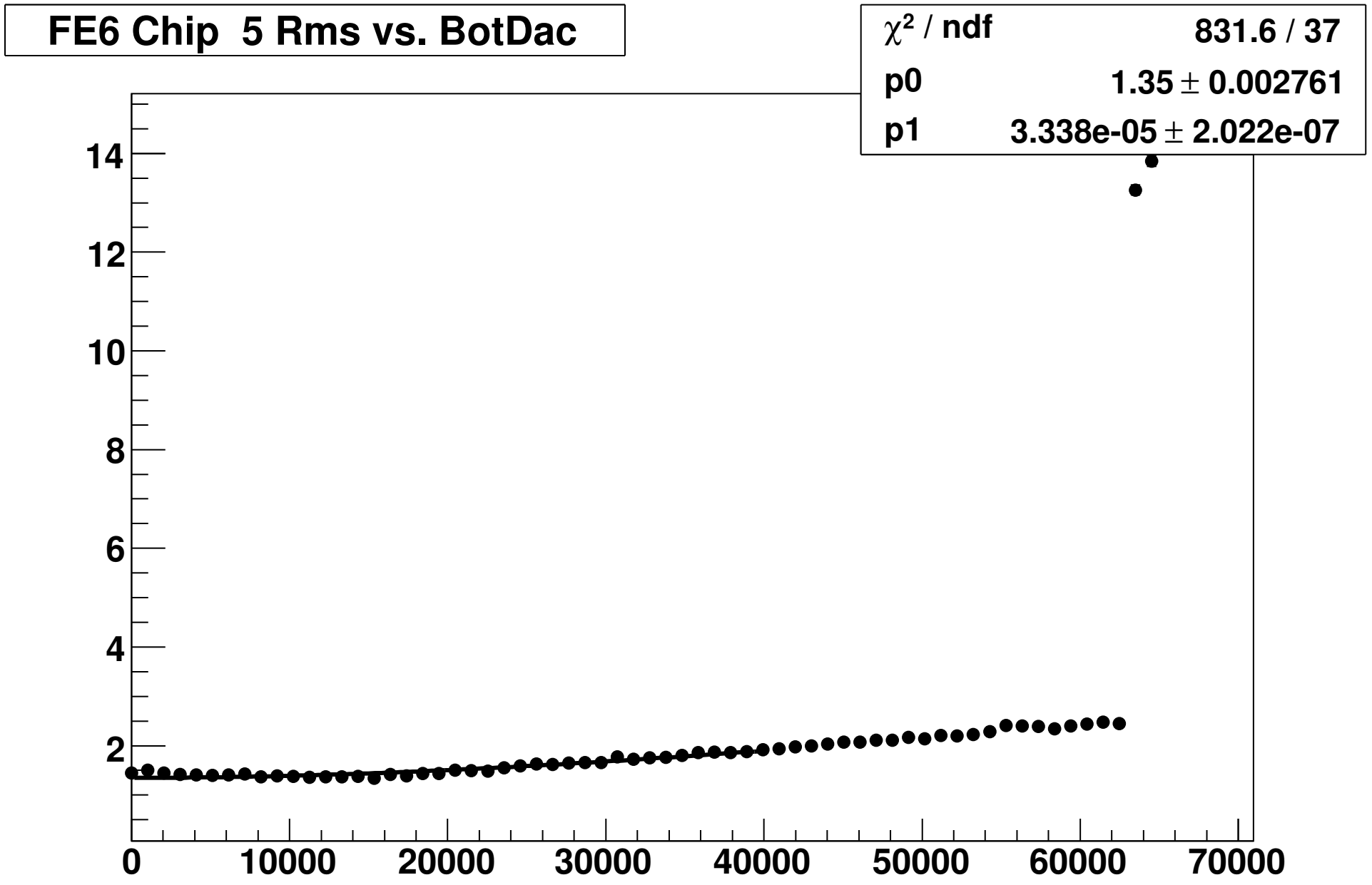
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 7.393e+04 / 37
p0 19.61 ± 0.00506
p1 0.4504 ± 2.372e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 831.6 / 37
p0 1.35 ± 0.002761
p1 3.338e-05 ± 2.022e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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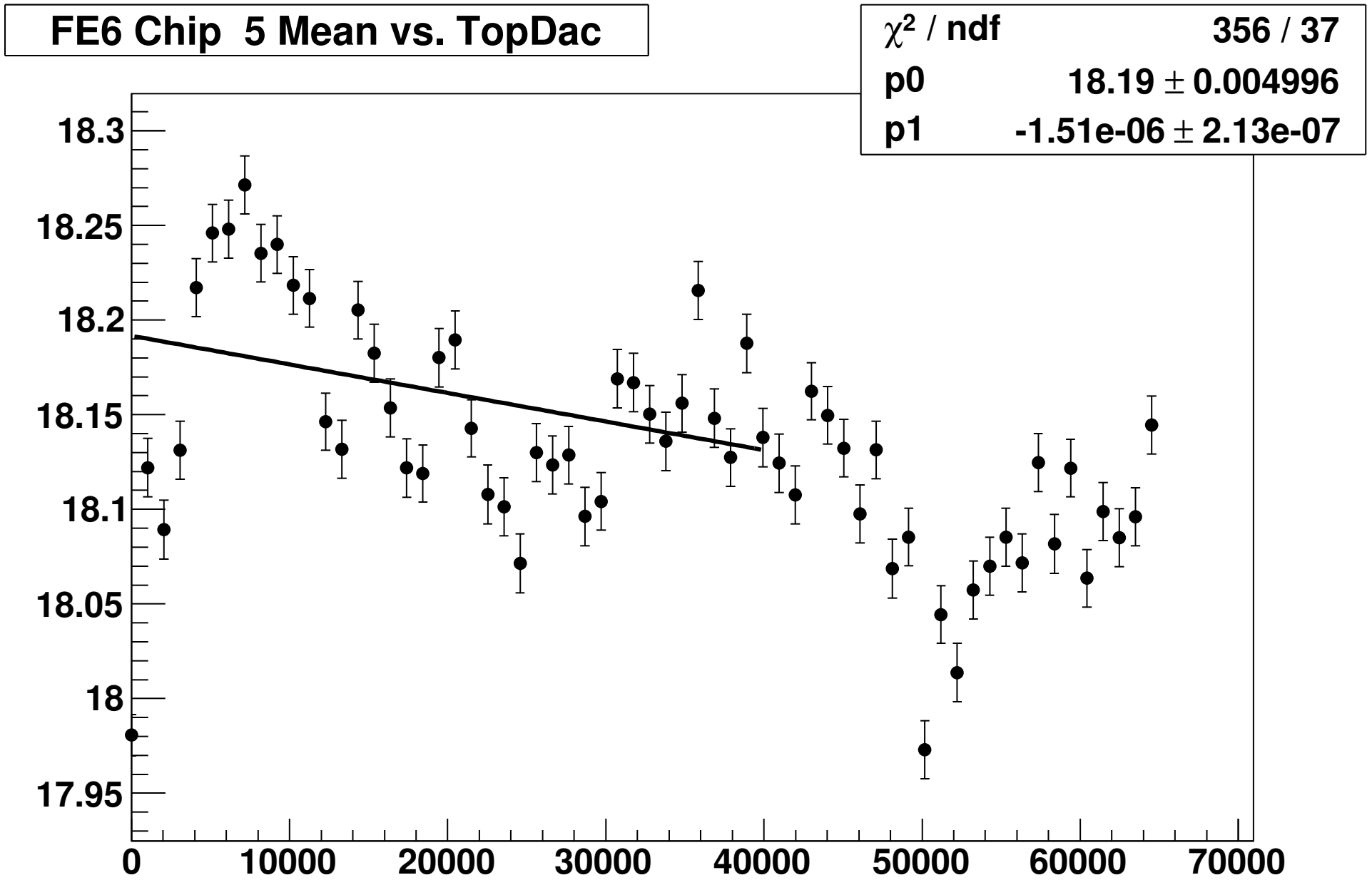
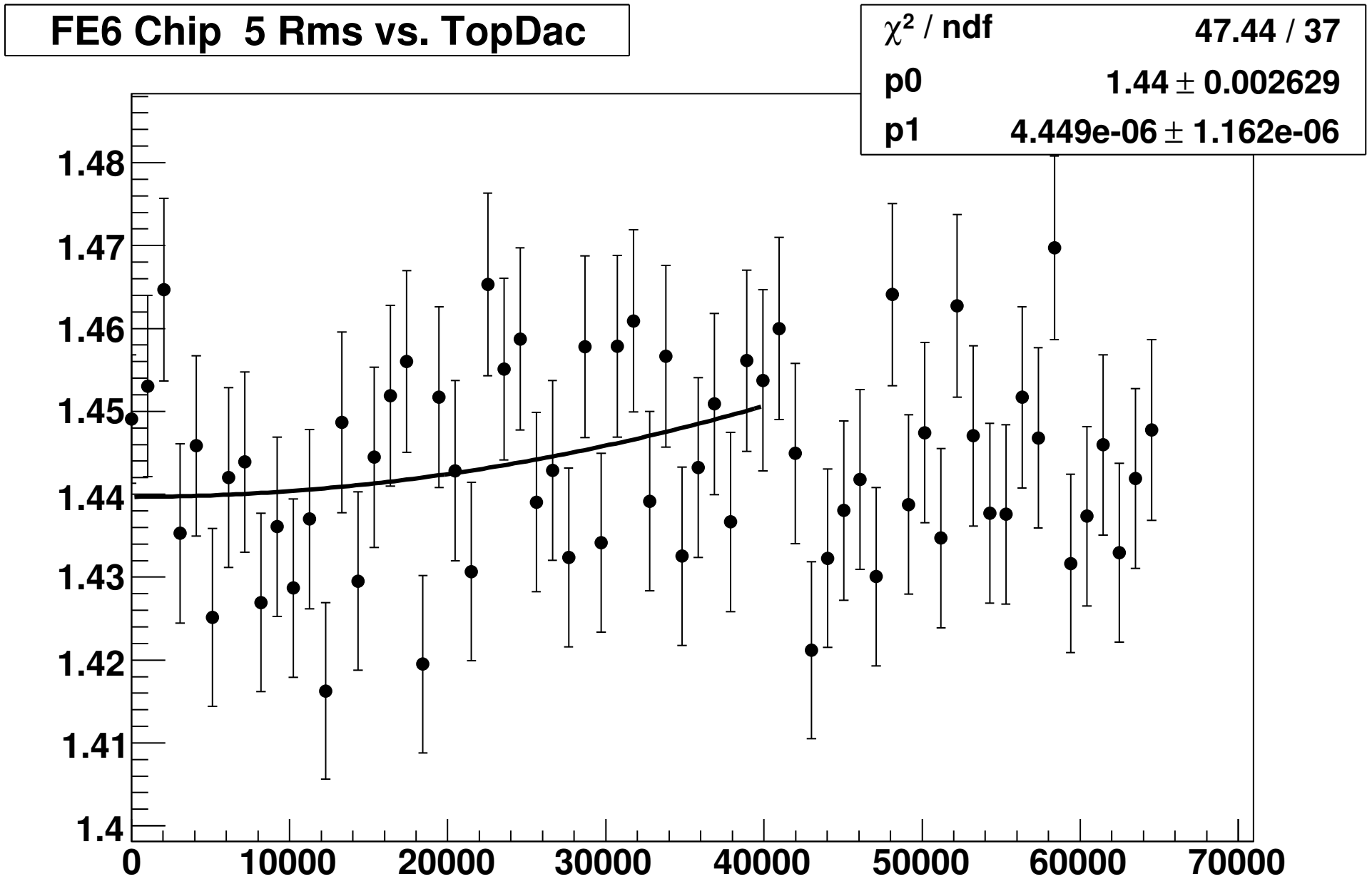

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 356 / 37
p0 18.19 ± 0.004996
p1 -1.51e-06 ± 2.13e-07
18.3
18.25
18.2
18.15
18.1
18.05
18
17.95
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 47.44 / 37
p0 1.44 ± 0.002629
p1 4.449e-06 ± 1.162e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
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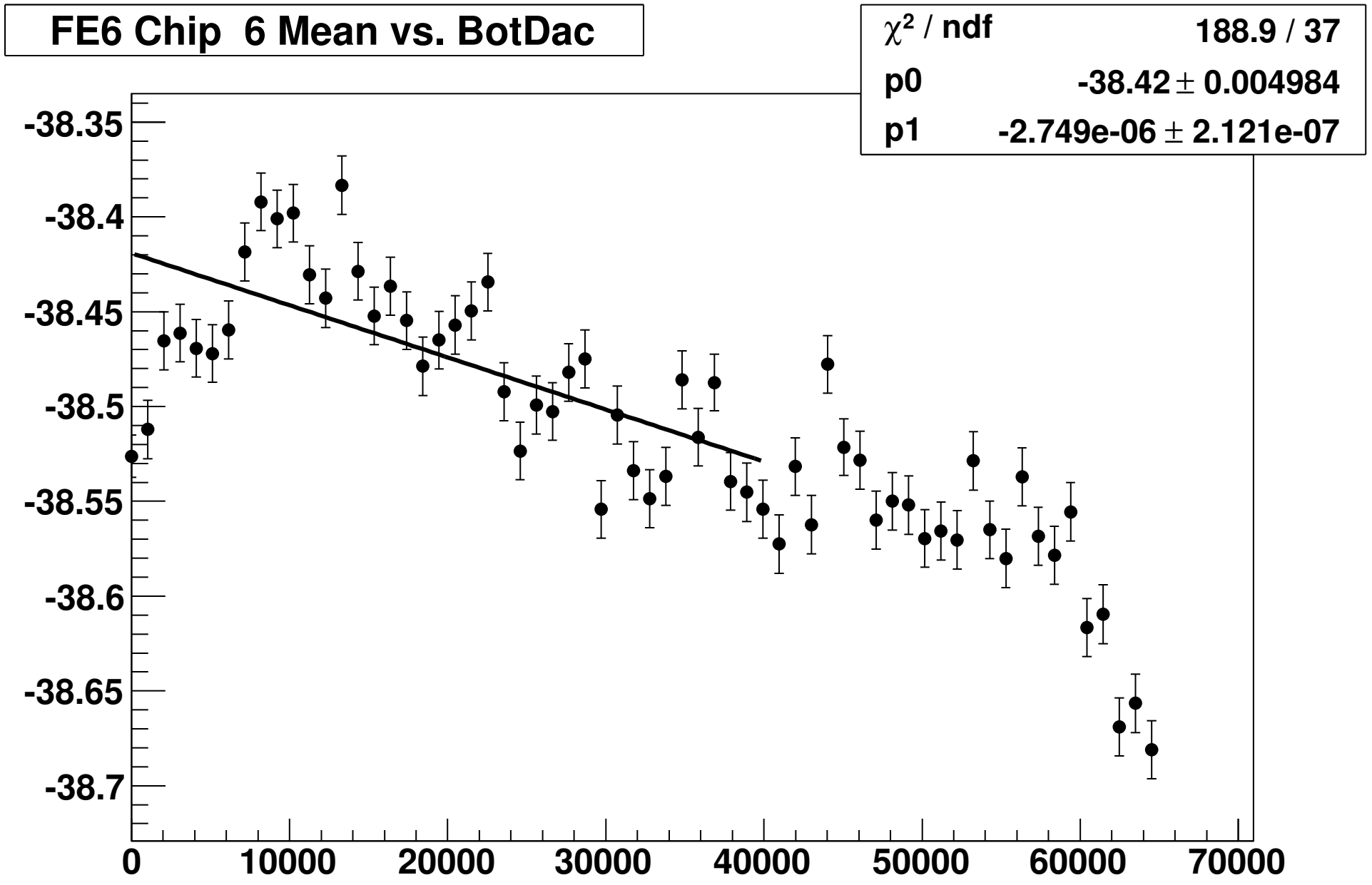
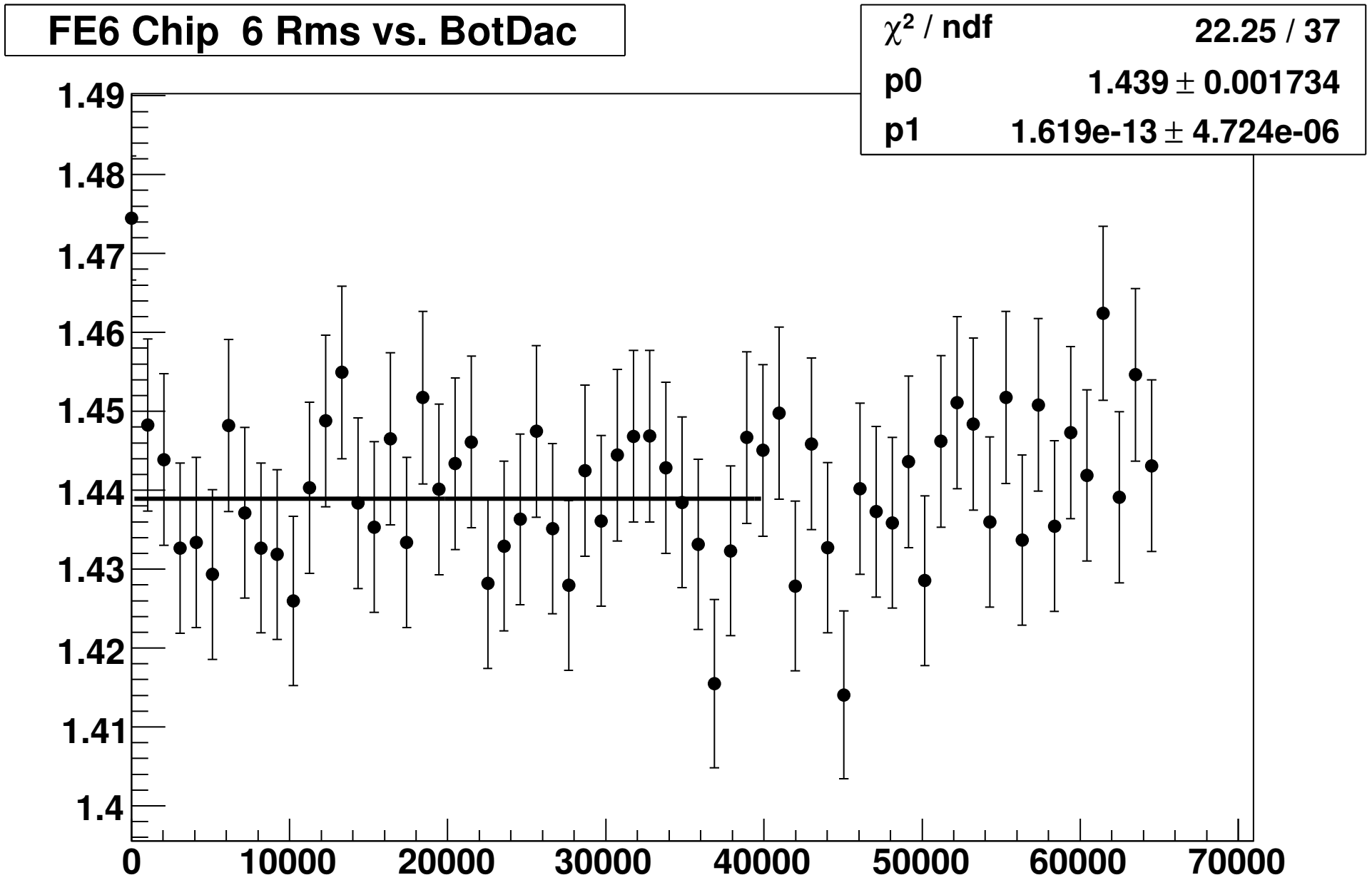
40000
50000
60000
70000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 188.9 / 37
p0 -38.42 ± 0.004984
p1 -2.749e-06 ± 2.121e-07
-38.35
-38.4
-38.45
-38.5
-38.55
-38.6
-38.65
-38.7
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 22.25 / 37
p0 1.439 ± 0.001734
p1 1.619e-13 ± 4.724e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
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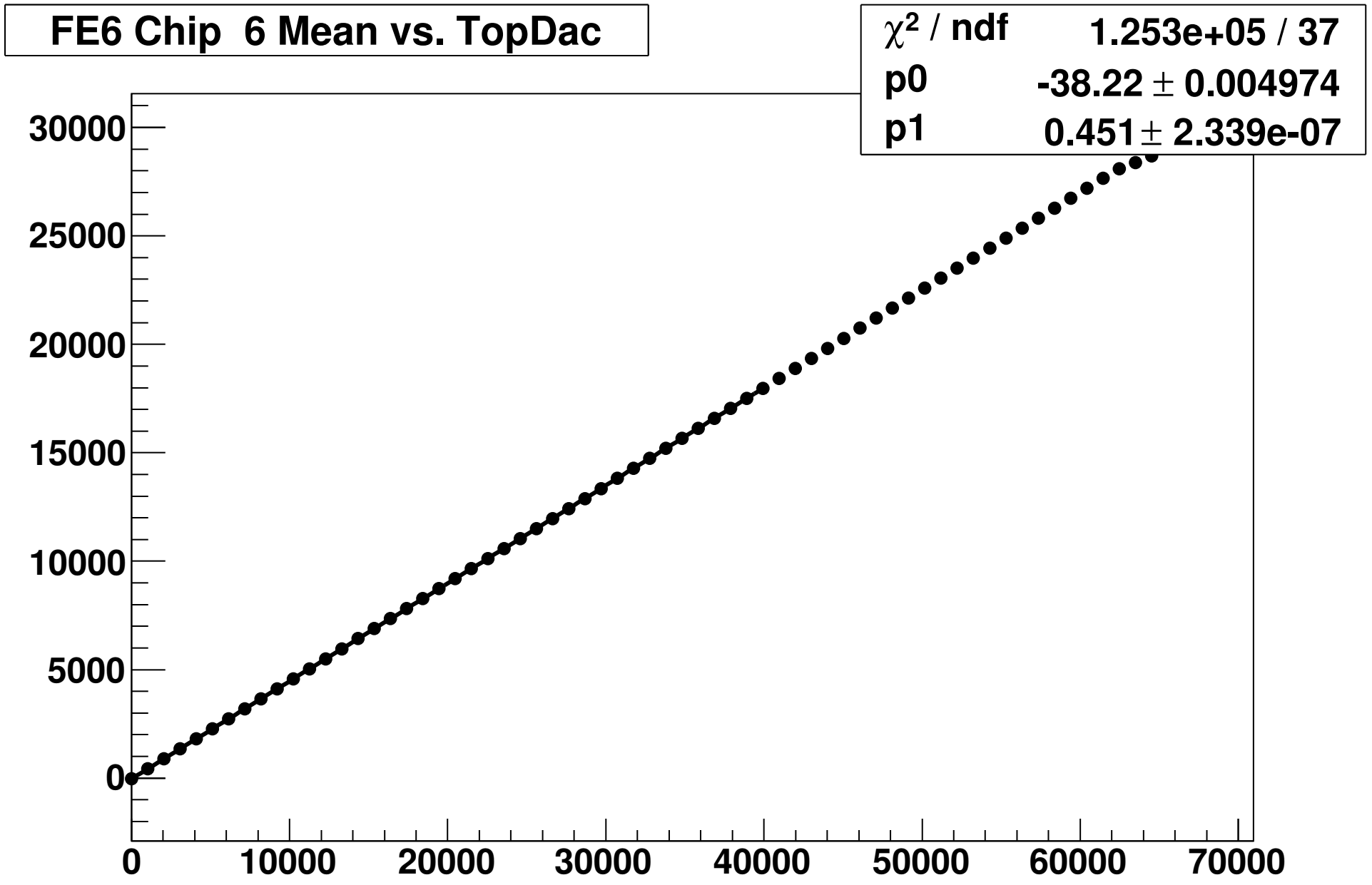
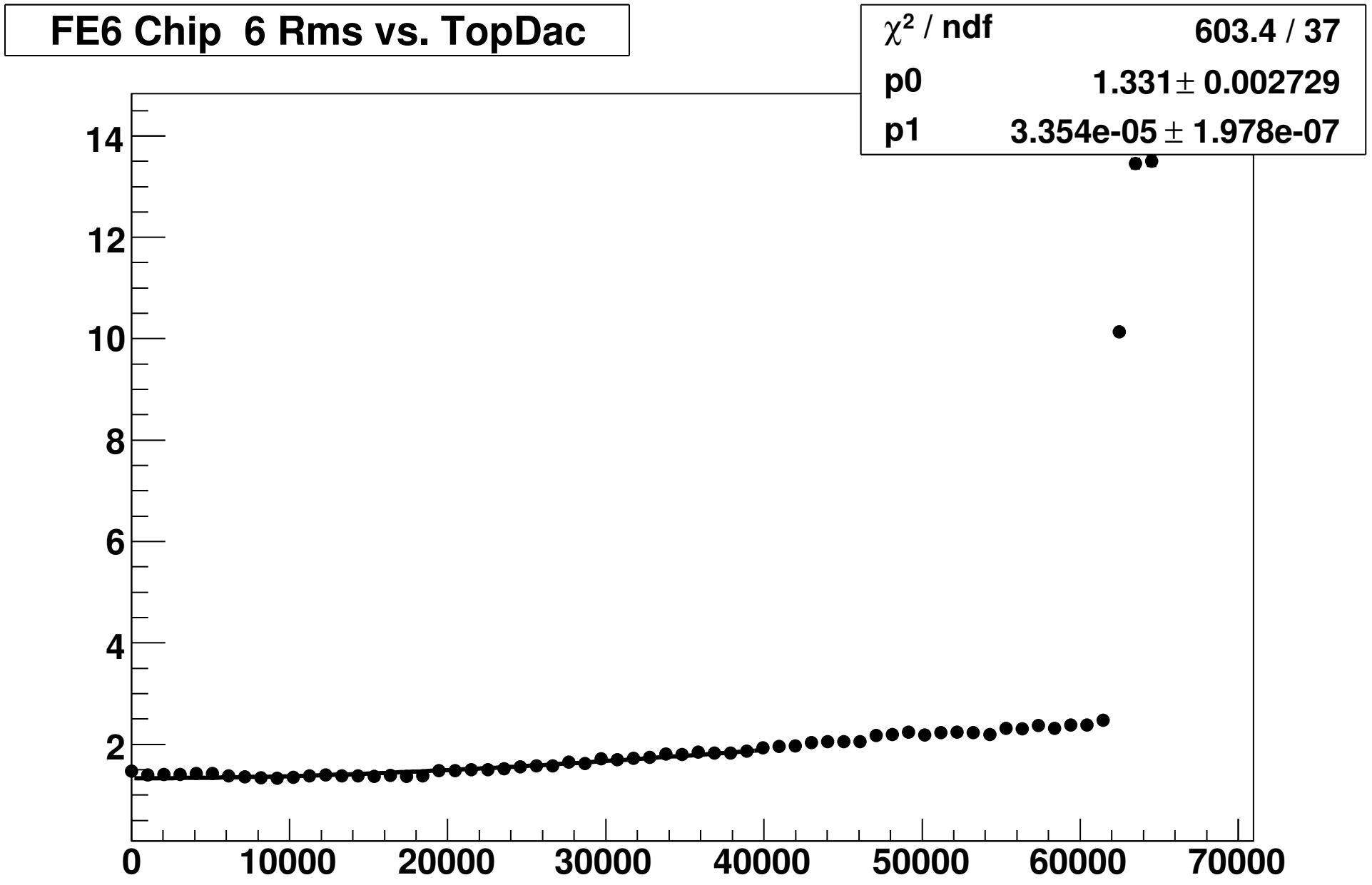
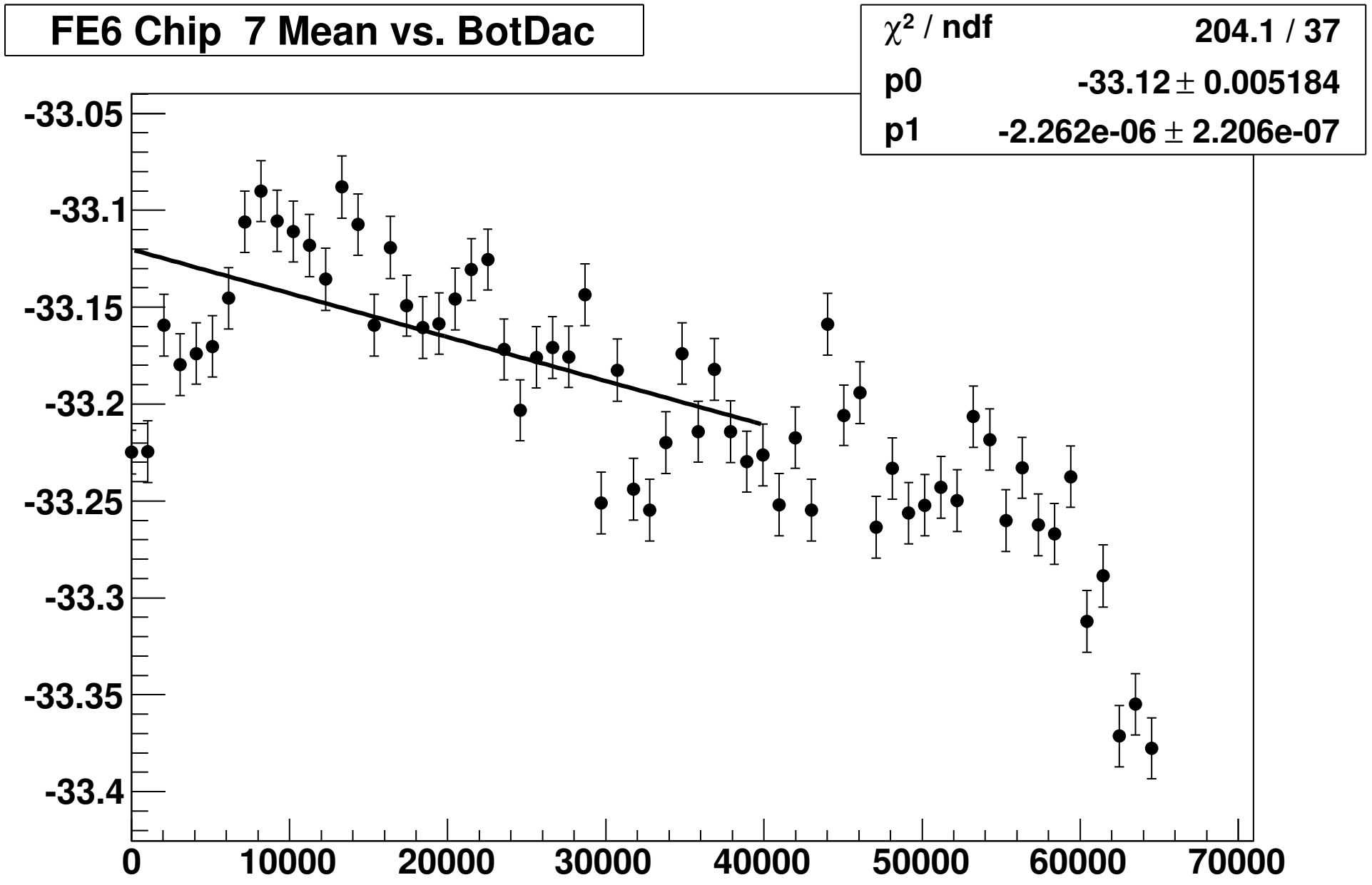
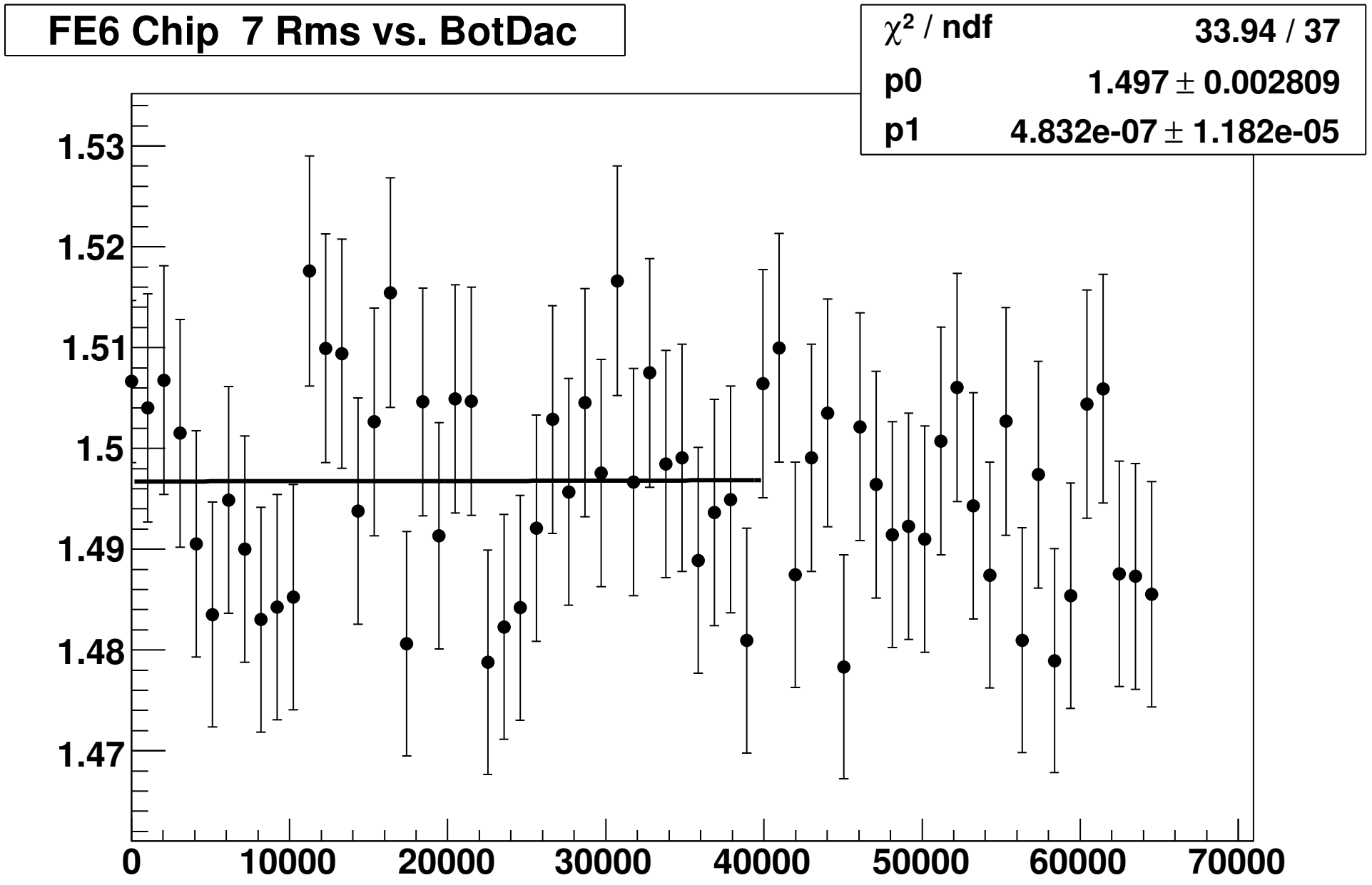

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.253e+05 / 37
p0 -38.22 ± 0.004974
p1 0.451 ± 2.339e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 603.4 / 37
p0 1.331 ± 0.002729
p1 3.354e-05 ± 1.978e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 204.1 / 37
p0 -33.12 ± 0.005184
p1 -2.262e-06 ± 2.206e-07
-33.05
-33.1
-33.15
-33.2
-33.25
-33.3
-33.35
-33.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 33.94 / 37
p0 1.497 ± 0.002809
p1 4.832e-07 ± 1.182e-05
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
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50000
60000
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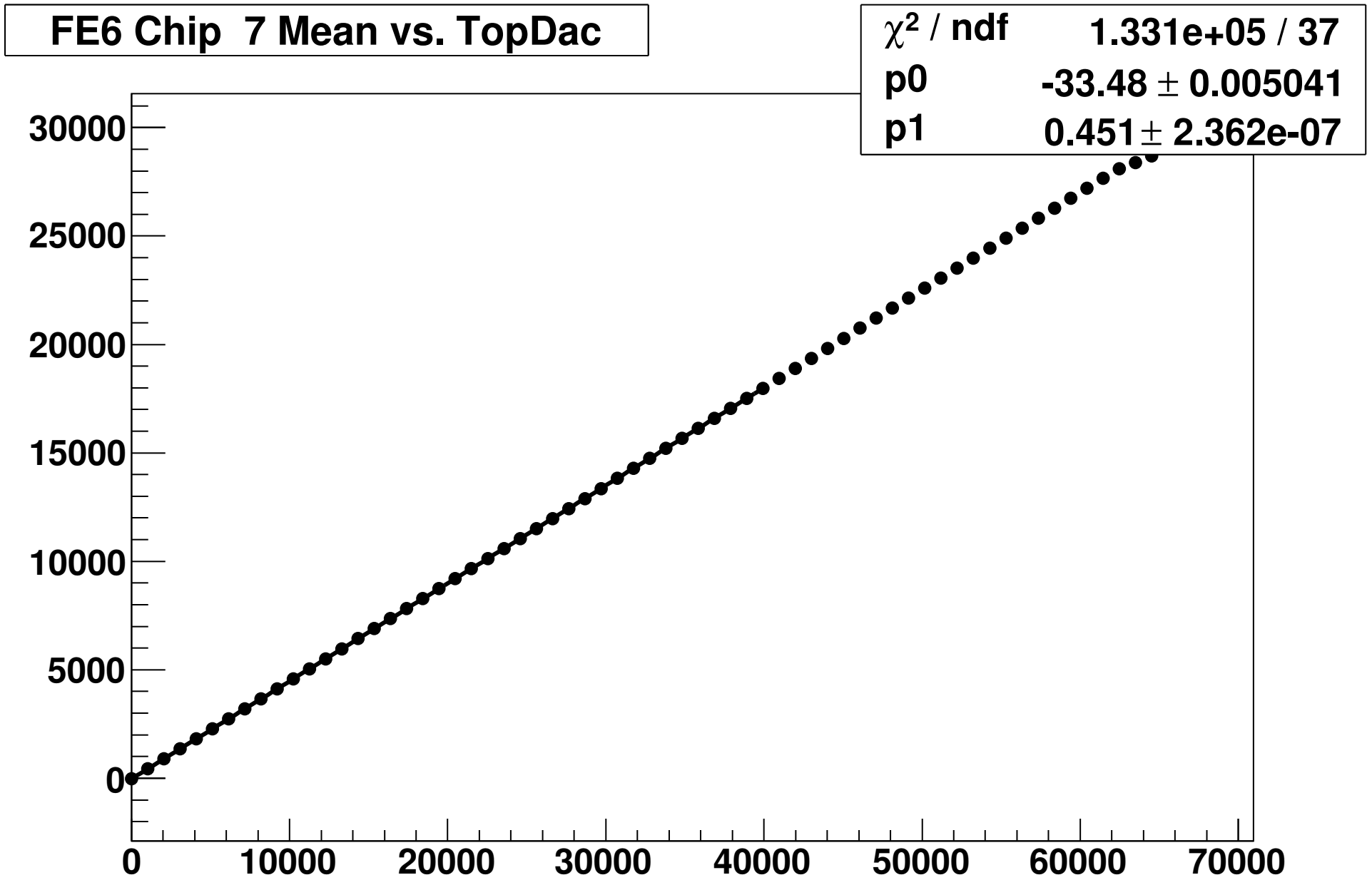
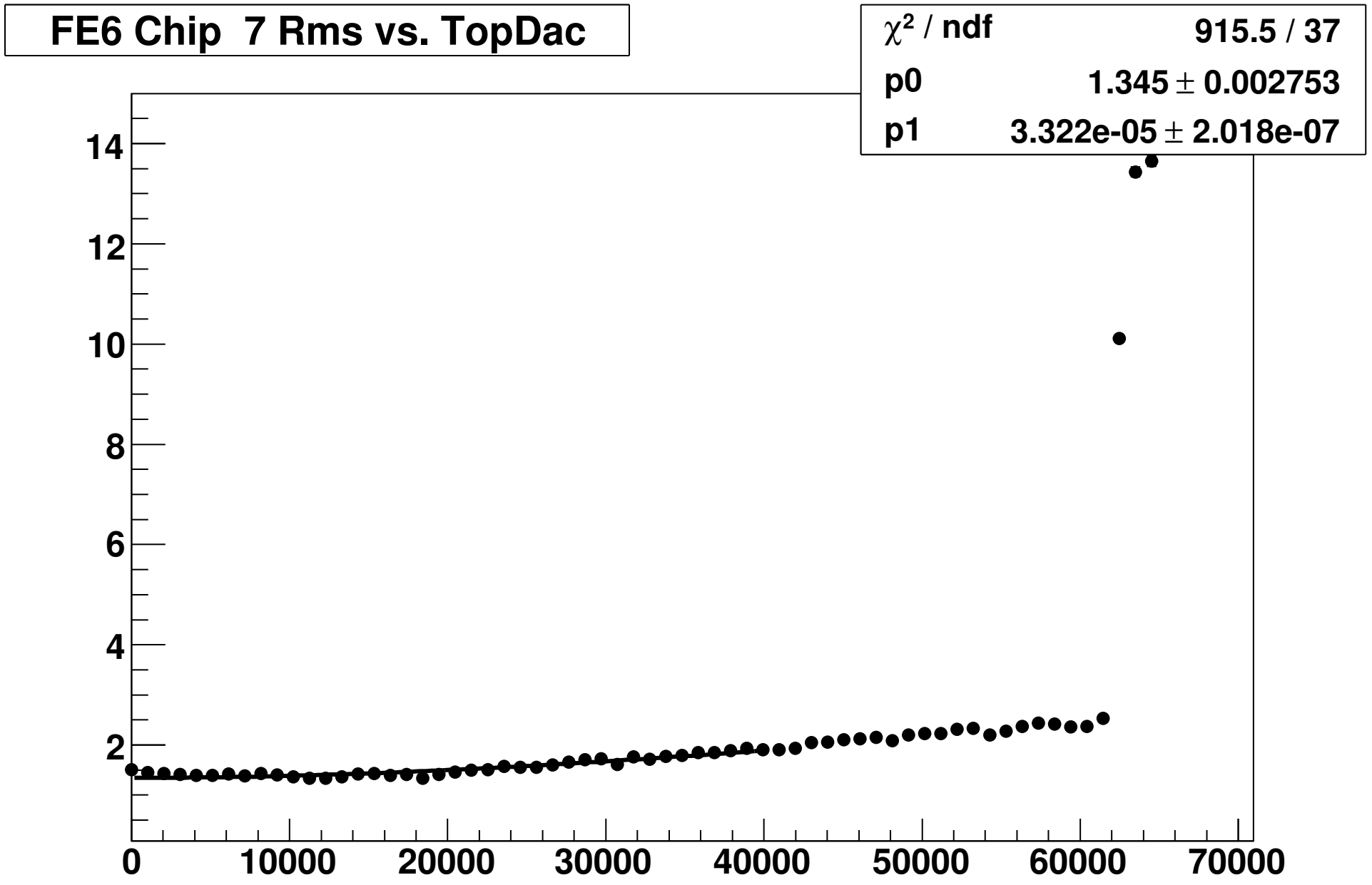
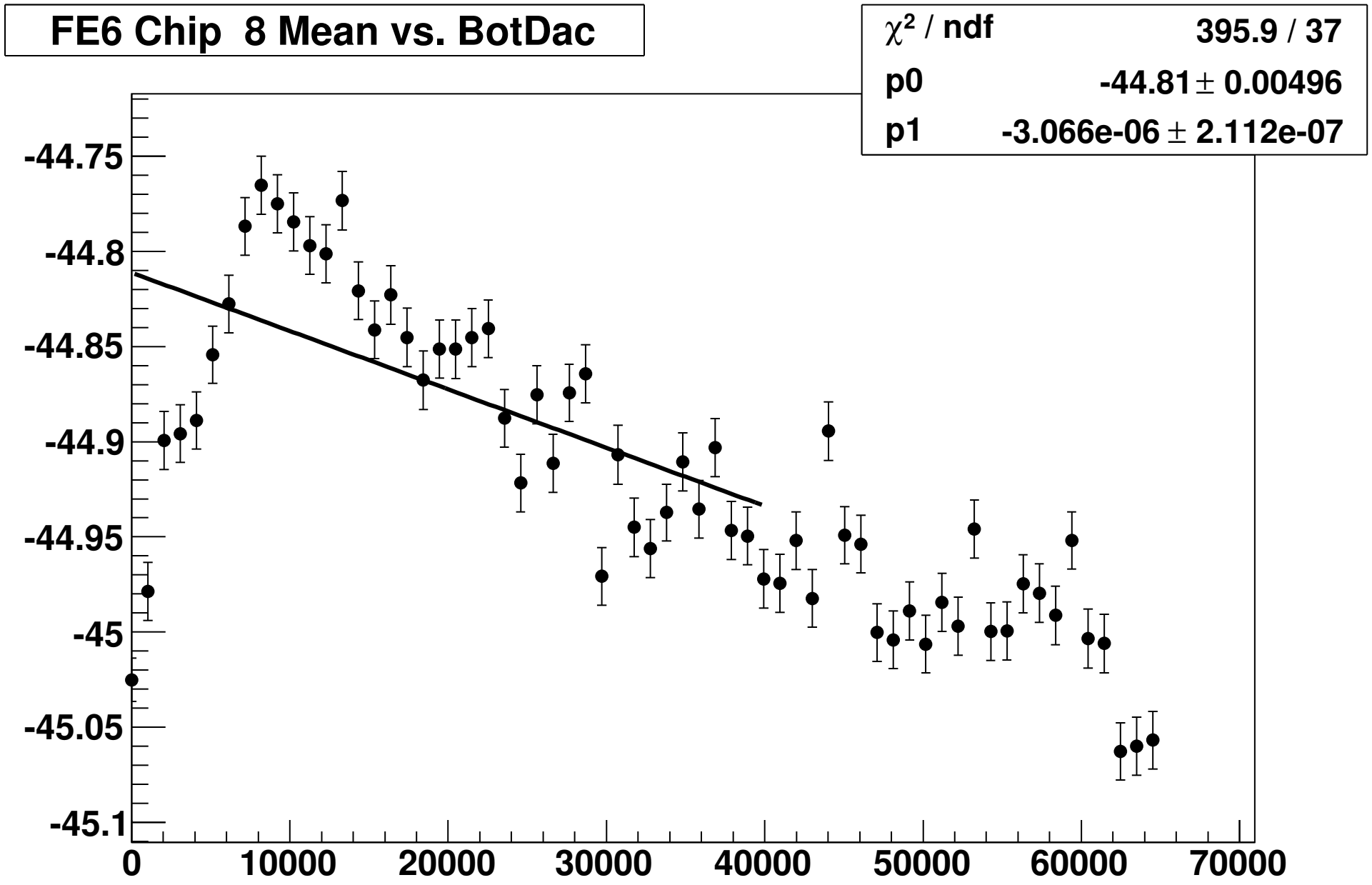
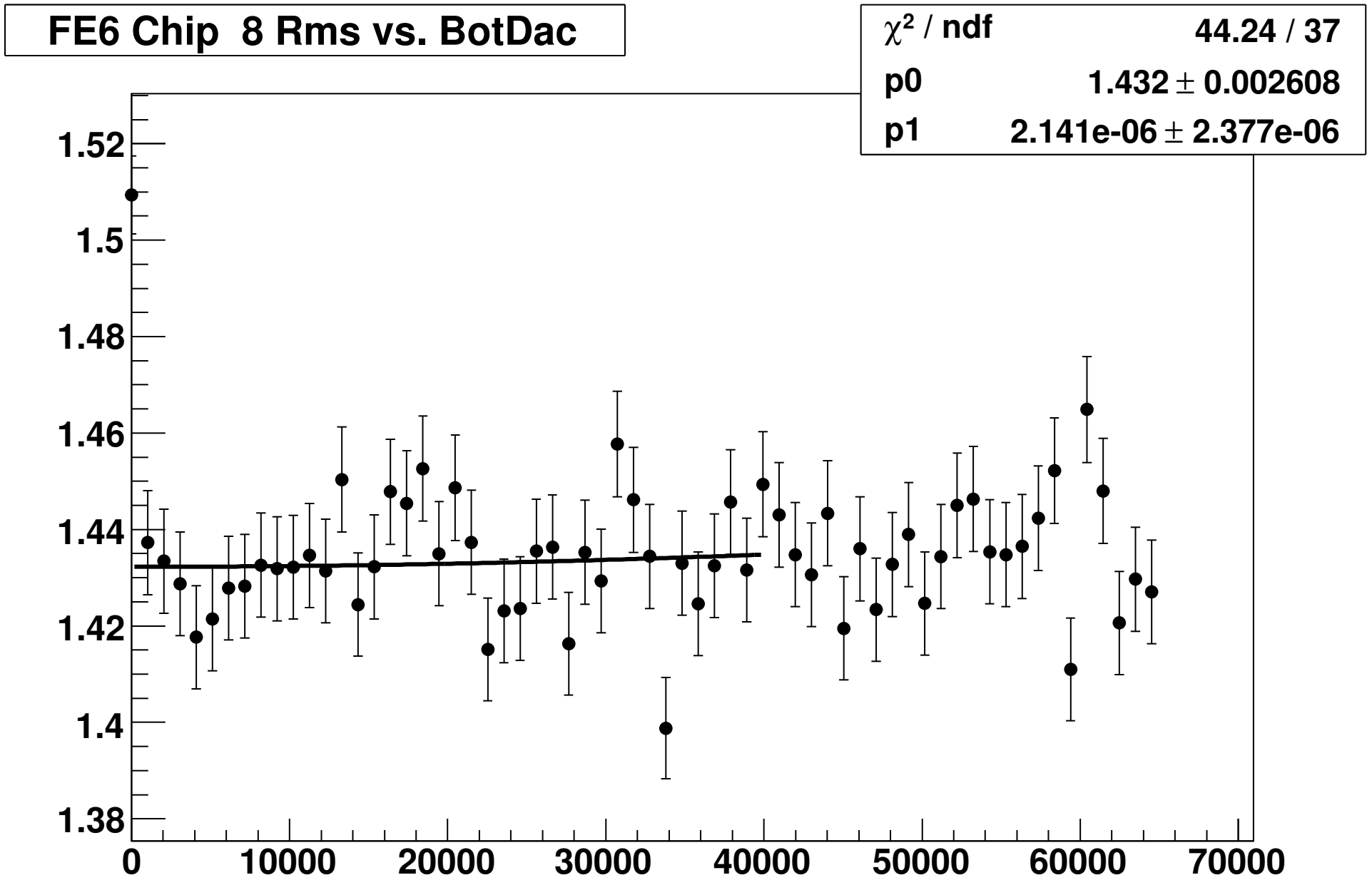
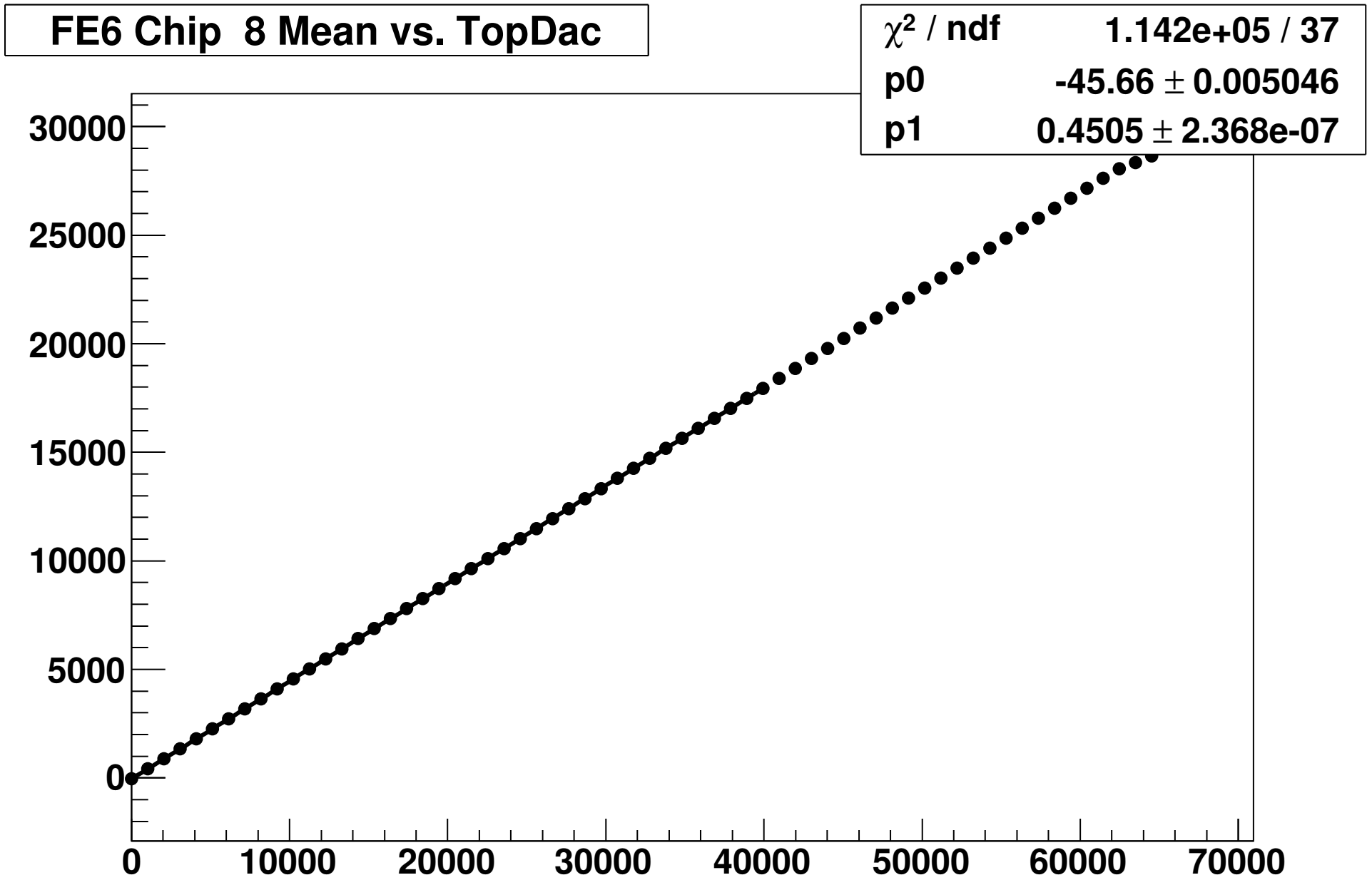
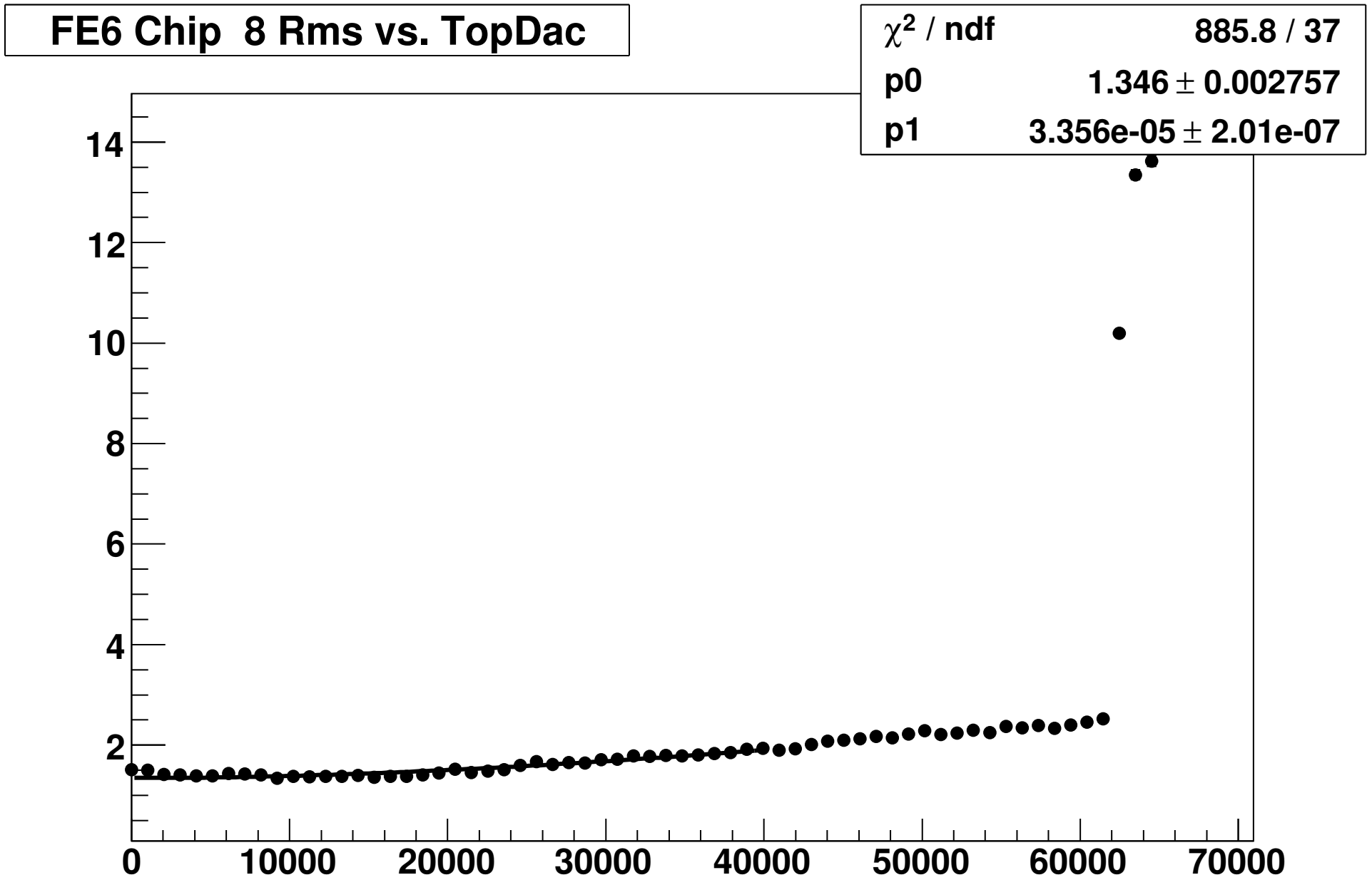

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.331e+05 / 37
p0 -33.48 ± 0.005041
p1 0.451 ± 2.362e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

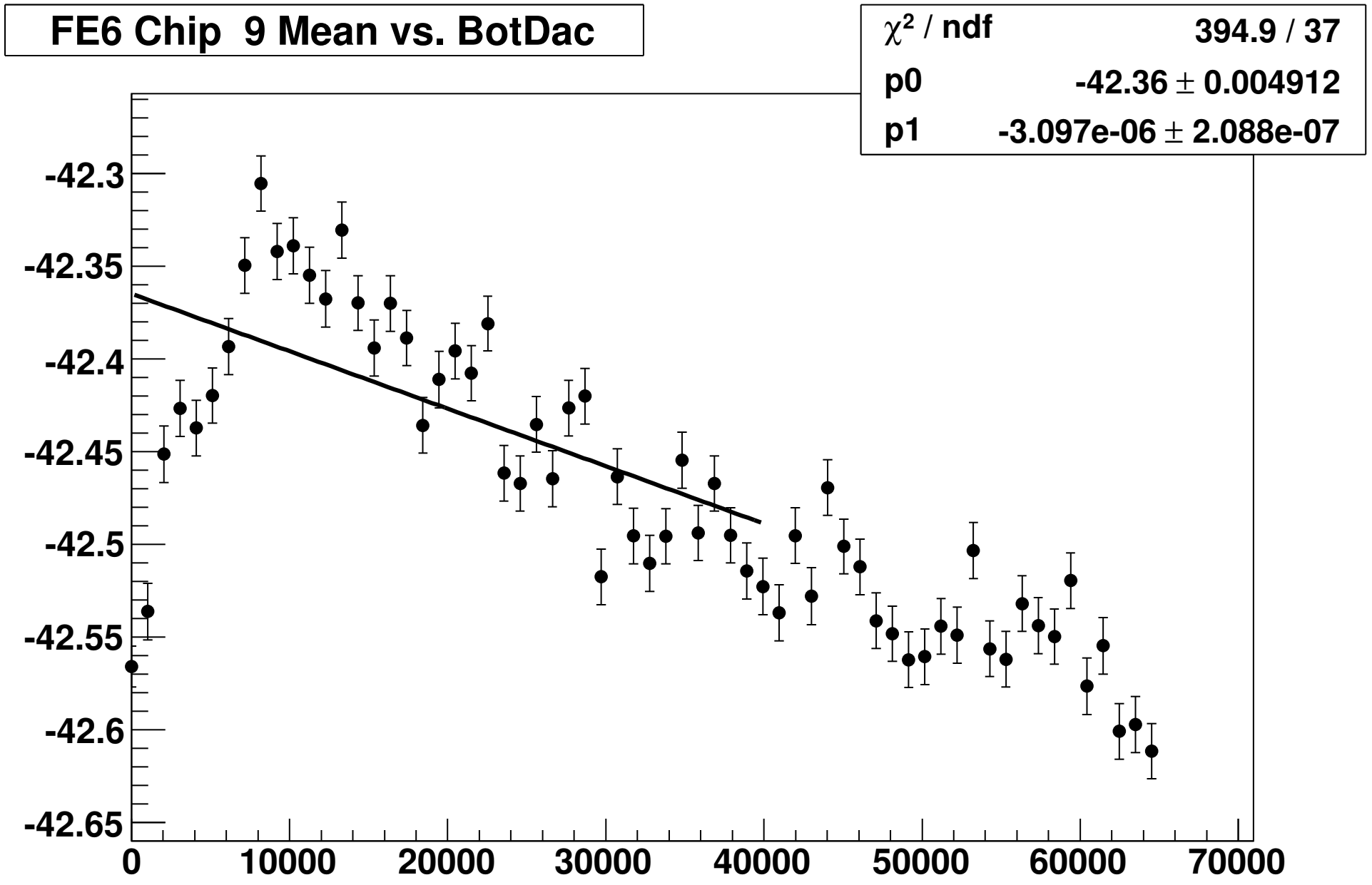

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 915.5 / 37
p0 1.345 ± 0.002753
p1 3.322e-05 ± 2.018e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

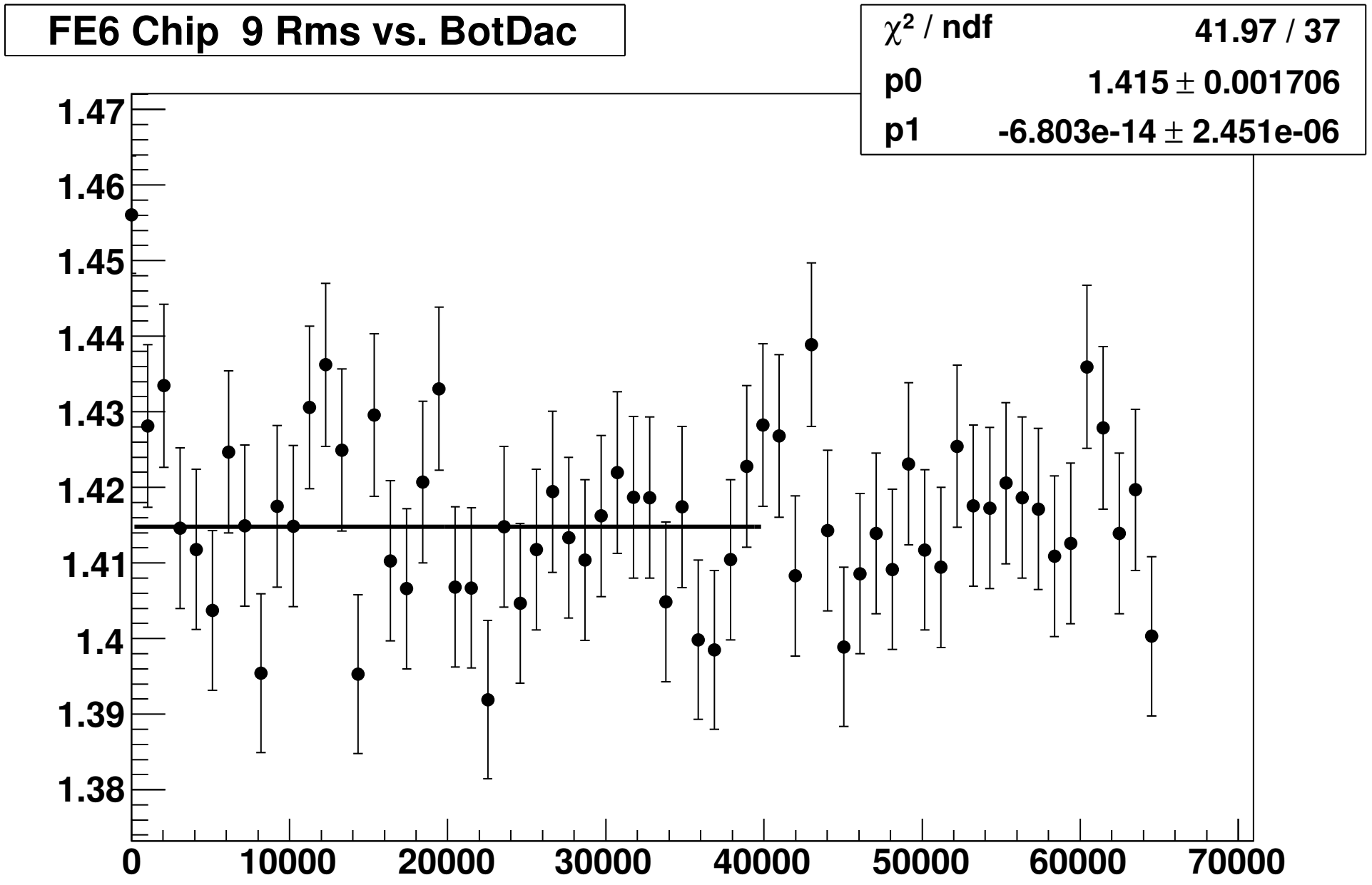

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 395.9 / 37
p0 -44.81 ± 0.00496
p1 -3.066e-06 ± 2.112e-07
-44.75
-44.8
-44.85
-44.9
-44.95
-45
-45.05
-45.1
0
10000
20000
30000
40000
50000
60000
70000

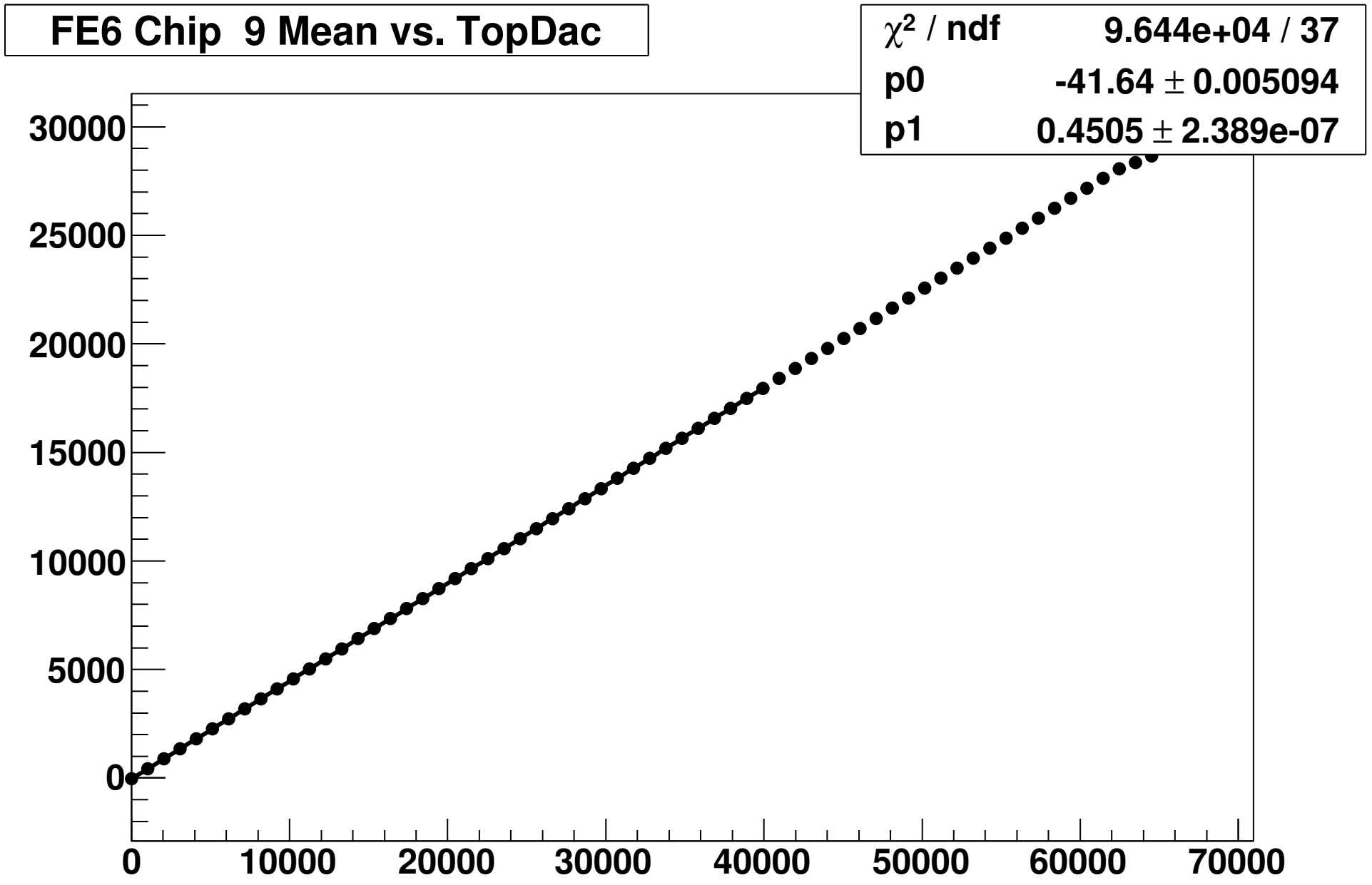

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 44.24 / 37
p0 1.432 ± 0.002608
p1 2.141e-06 ± 2.377e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.142e+05 / 37
p0 -45.66 ± 0.005046
p1 0.4505 ± 2.368e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 8 Rms vs. TopDac
χ² / ndf 885.8 / 37
p0 1.346 ± 0.002757
p1 3.356e-05 ± 2.01e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 394.9 / 37
p0 -42.36 ± 0.004912
p1 -3.097e-06 ± 2.088e-07
-42.3
-42.35
-42.4
-42.45
-42.5
-42.55
-42.6
-42.65
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 41.97 / 37
p0 1.415 ± 0.001706
p1 -6.803e-14 ± 2.451e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 9.644e+04 / 37
p0 -41.64 ± 0.005094
p1 0.4505 ± 2.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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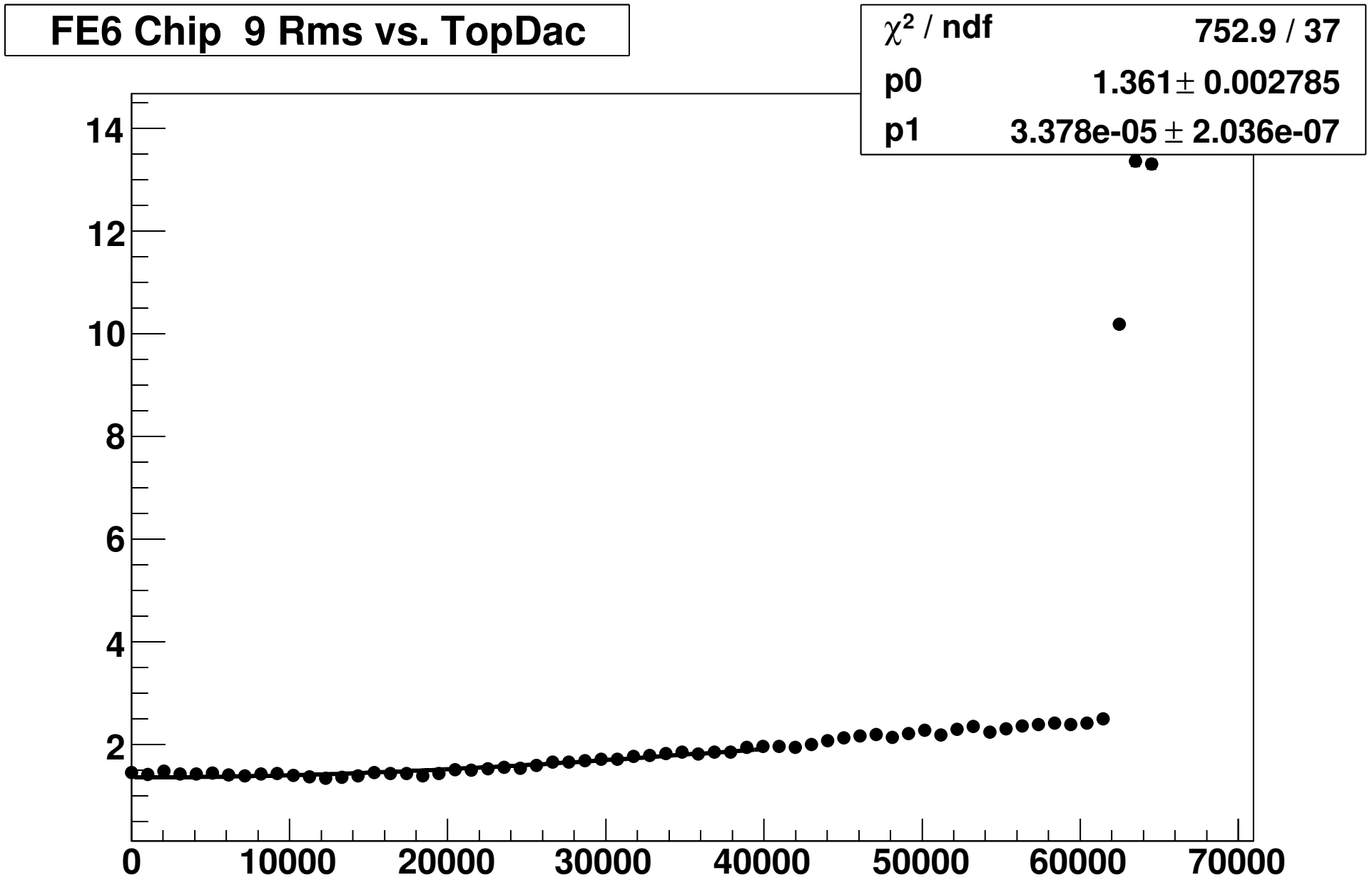
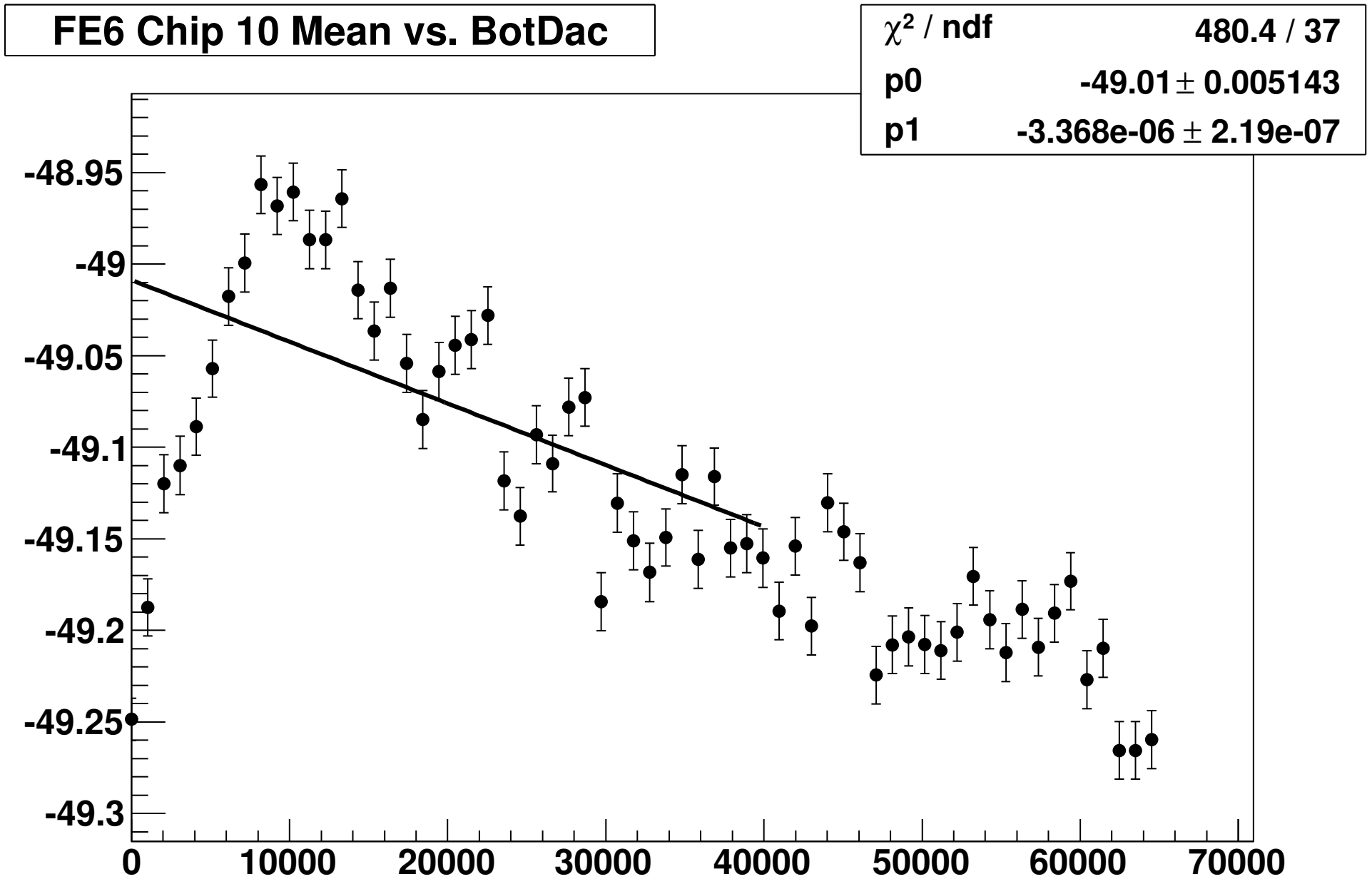
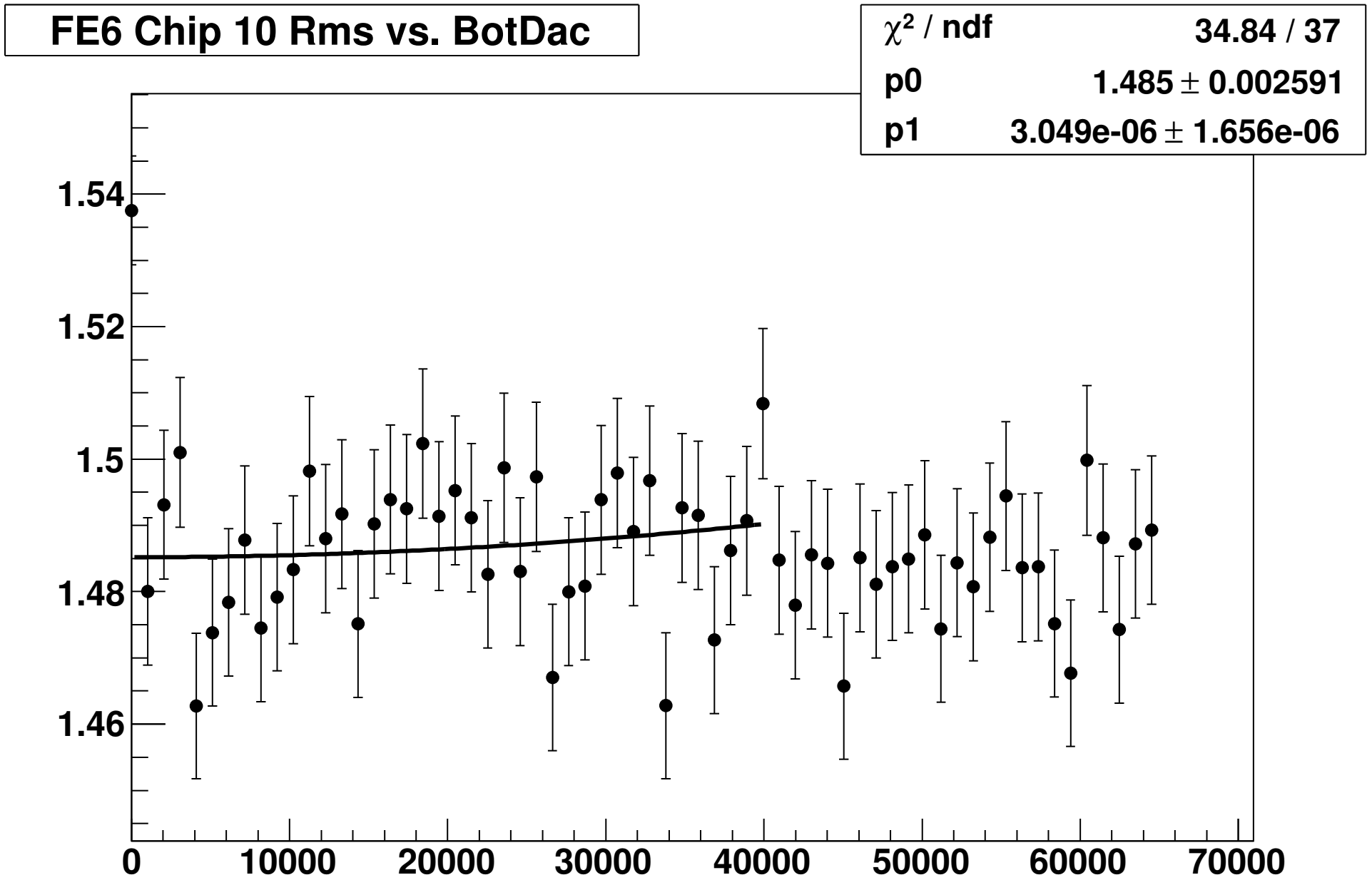
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 752.9 / 37
p0 1.361 ± 0.002785
p1 3.378e-05 ± 2.036e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 480.4 / 37
p0 -49.01 ± 0.005143
p1 -3.368e-06 ± 2.19e-07
-48.95
-49
-49.05
-49.1
-49.15
-49.2
-49.25
-49.3
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 34.84 / 37
p0 1.485 ± 0.002591
p1 3.049e-06 ± 1.656e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
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60000
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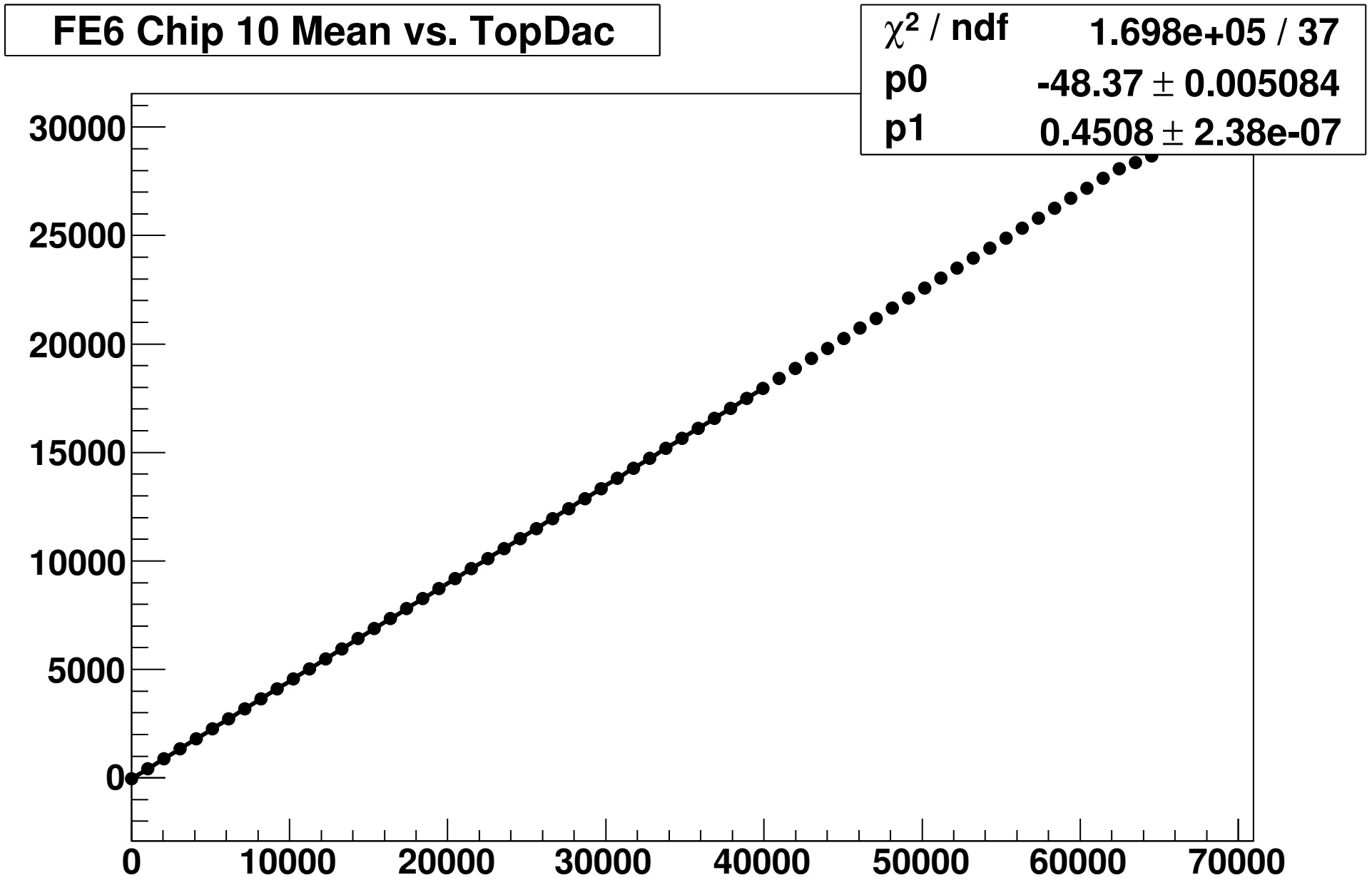
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.698e+05 / 37
p0 -48.37 ± 0.005084
p1 0.4508 ± 2.38e-07
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20000
15000
10000
5000
0
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10000
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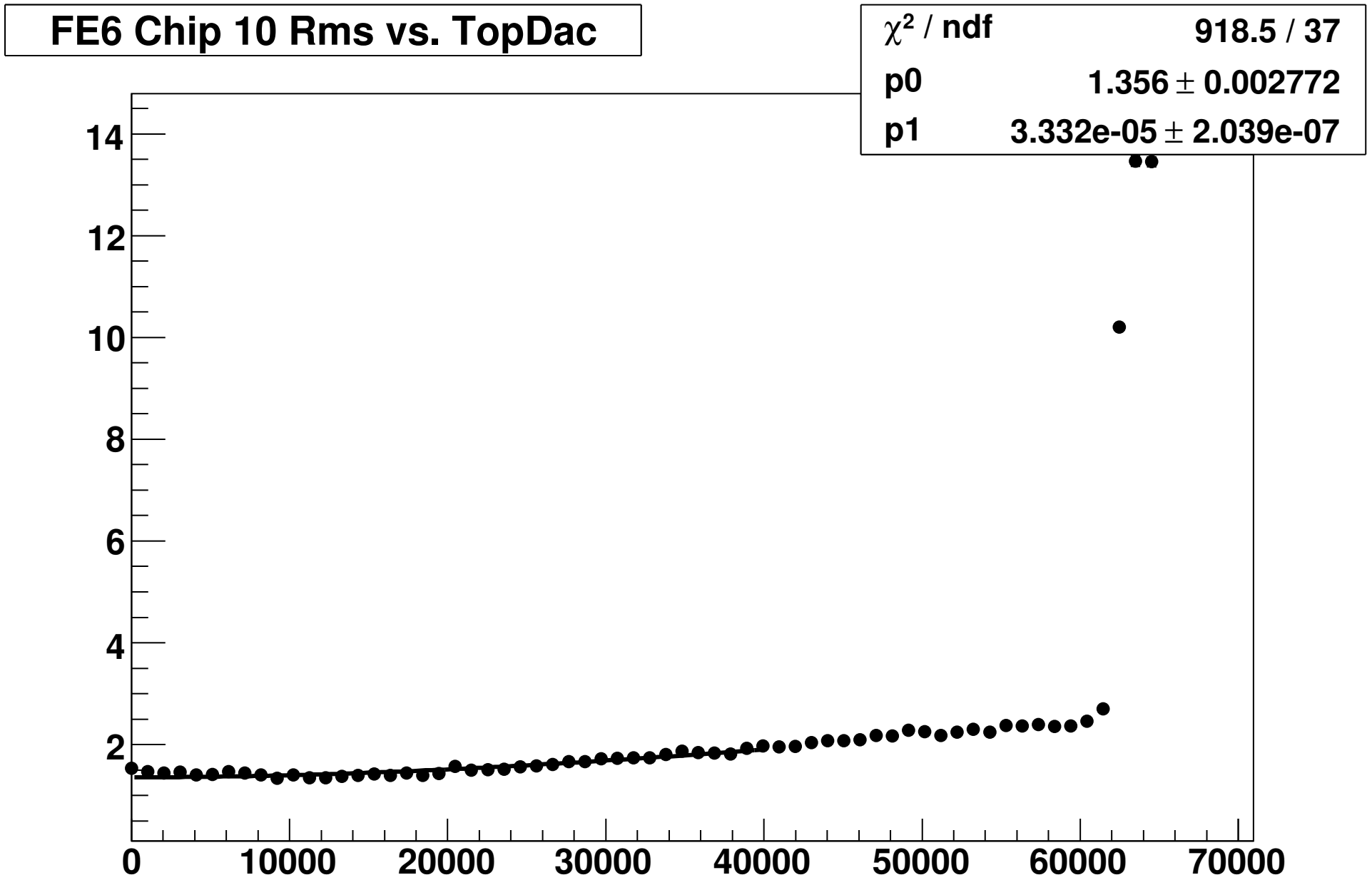
FE6 Chip 10 Rms vs. TopDac
χ² / ndf 918.5 / 37
p0 1.356 ± 0.002772
p1 3.332e-05 ± 2.039e-07
14
12
10
8
6
4
2
0
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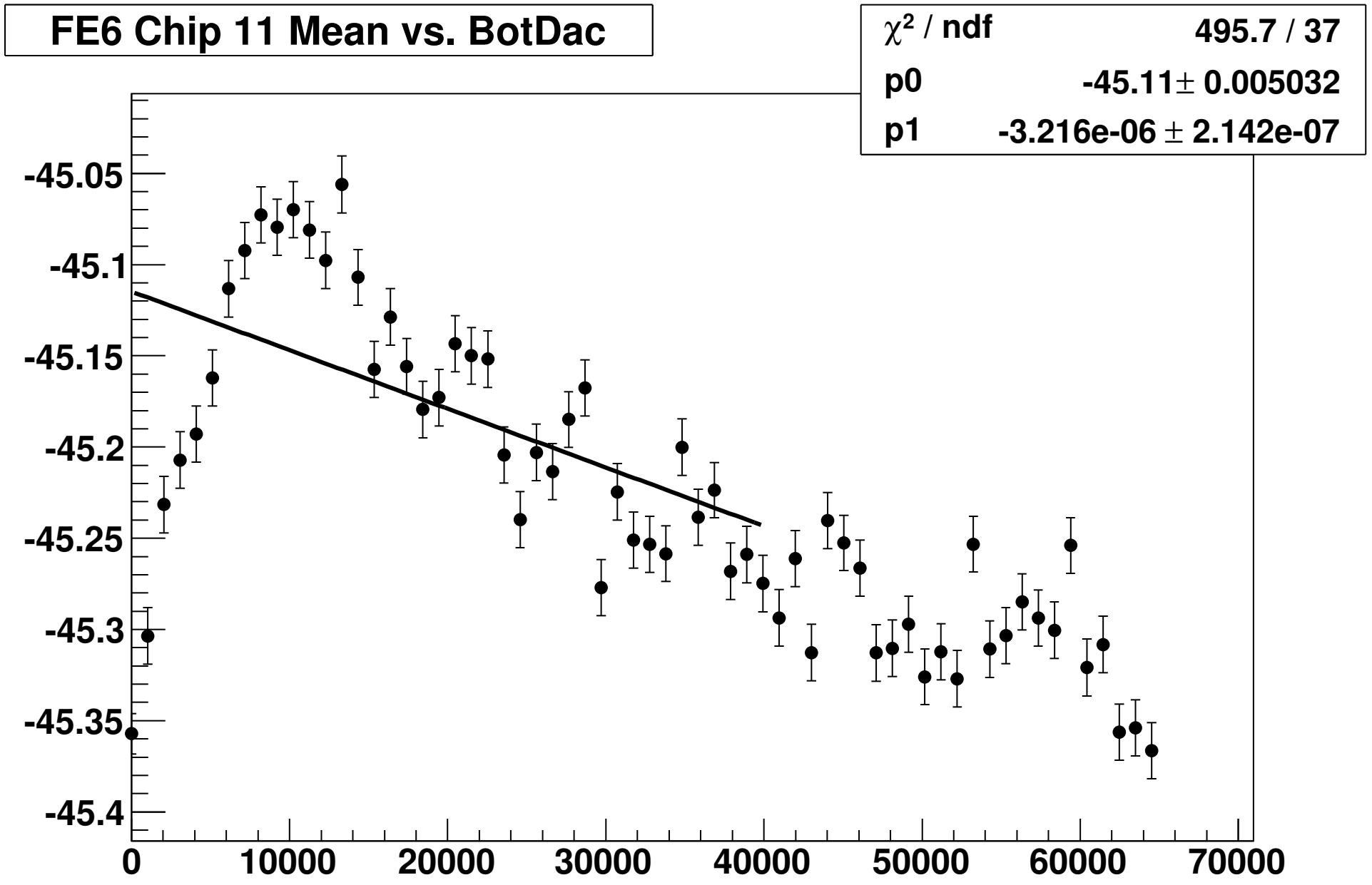
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 495.7 / 37
p0 -45.11 ± 0.005032
p1 -3.216e-06 ± 2.142e-07
-45.05
-45.1
-45.15
-45.2
-45.25
-45.3
-45.35
-45.4
0
10000
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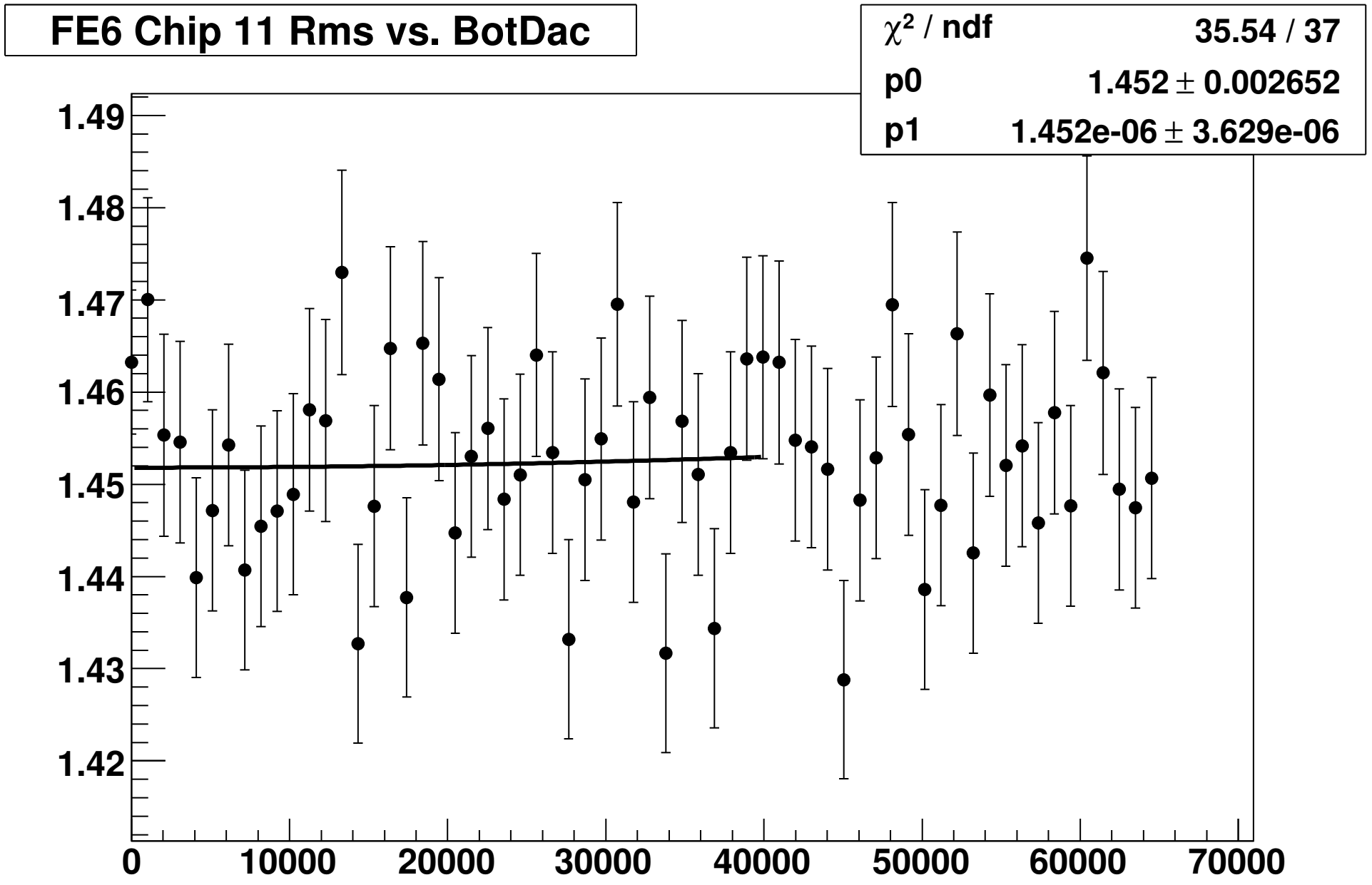
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 35.54 / 37
p0 1.452 ± 0.002652
p1 1.452e-06 ± 3.629e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
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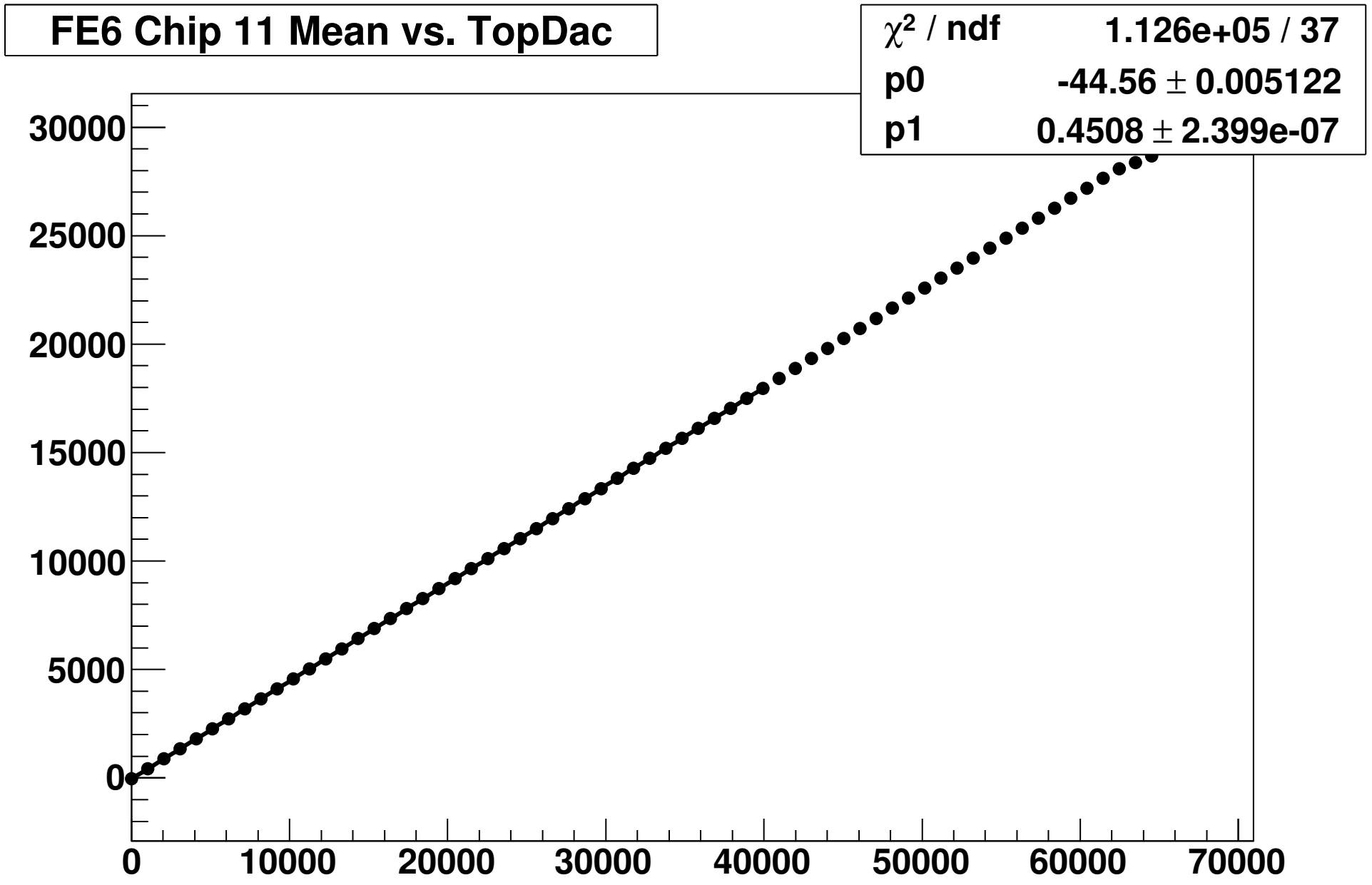
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.126e+05 / 37
p0 -44.56 ± 0.005122
p1 0.4508 ± 2.399e-07
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15000
10000
5000
0
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10000
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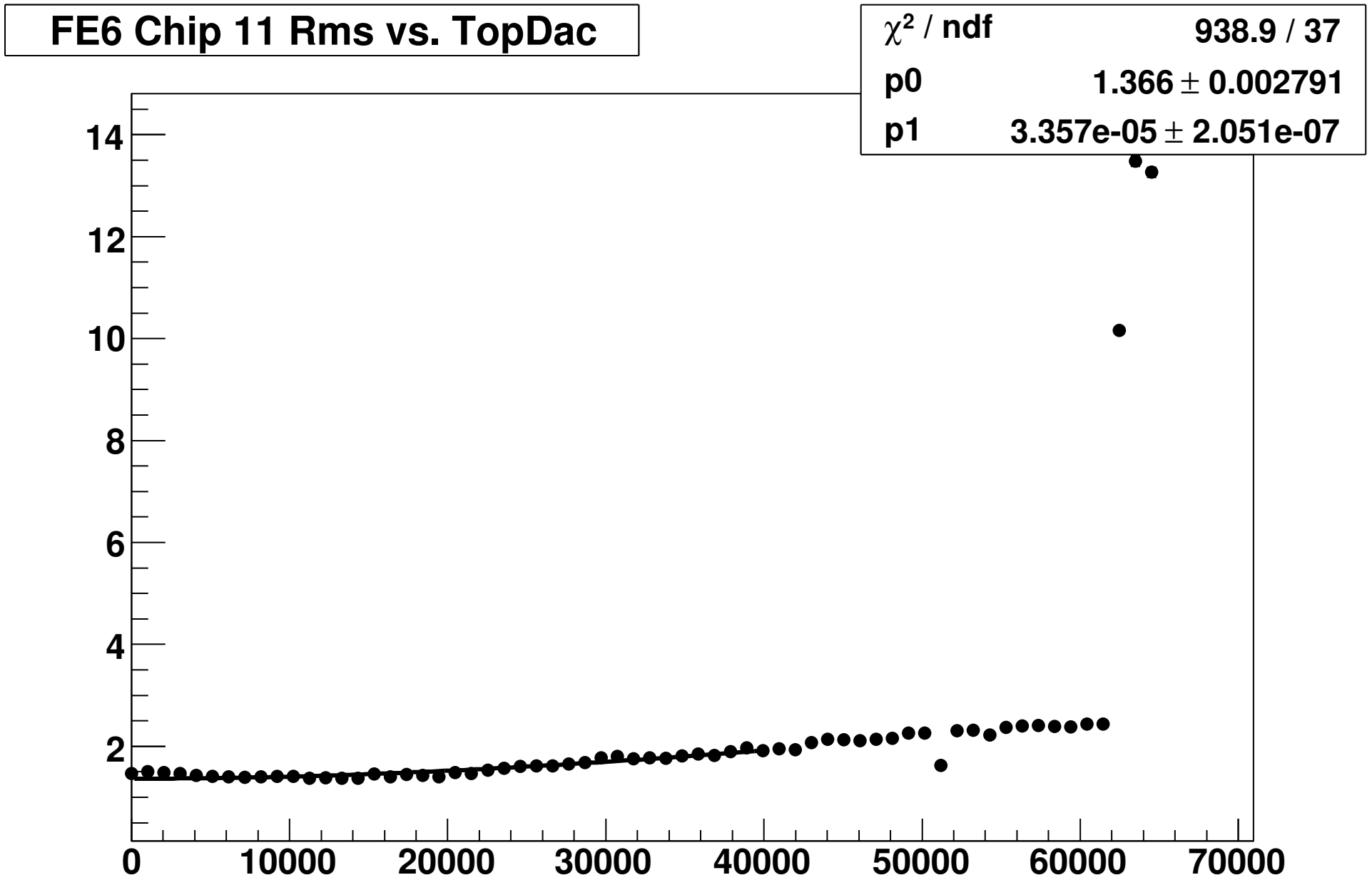
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 938.9 / 37
p0 1.366 ± 0.002791
p1 3.357e-05 ± 2.051e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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50000
60000
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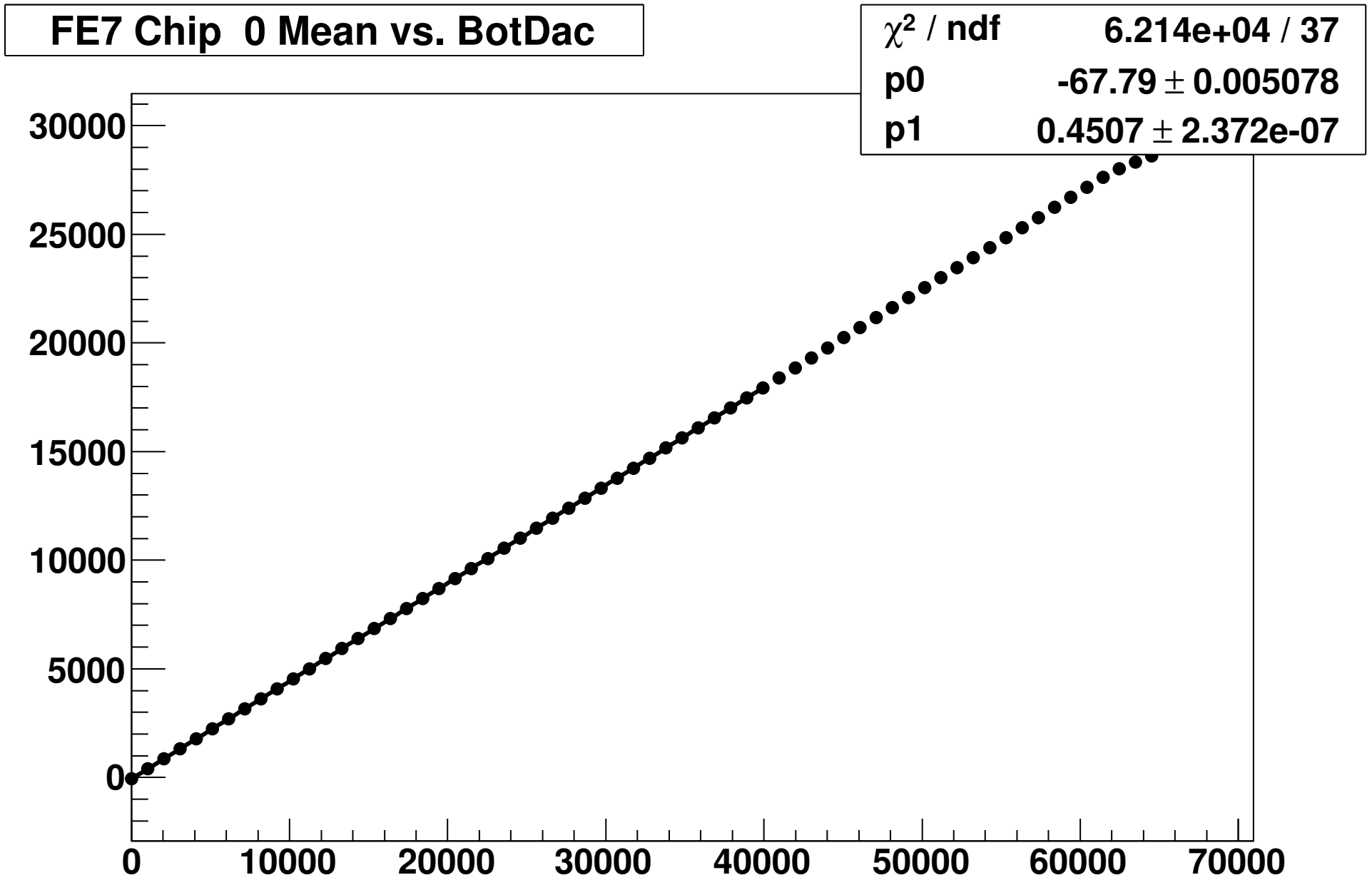
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 6.214e+04 / 37
p0 -67.79 ± 0.005078
p1 0.4507 ± 2.372e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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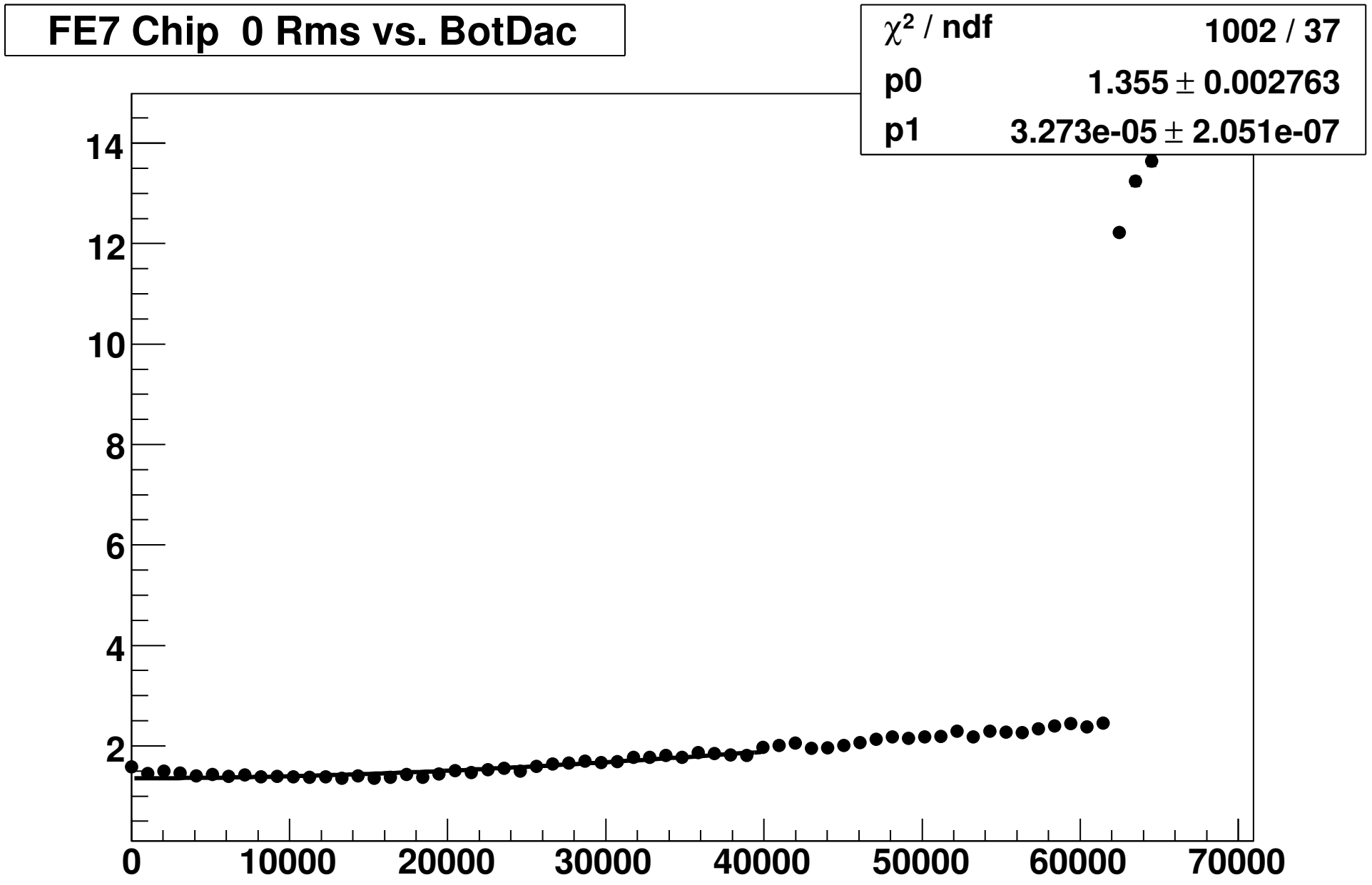
FE7 Chip 0 Rms vs. BotDac
χ² / ndf 1002 / 37
p0 1.355 ± 0.002763
p1 3.273e-05 ± 2.051e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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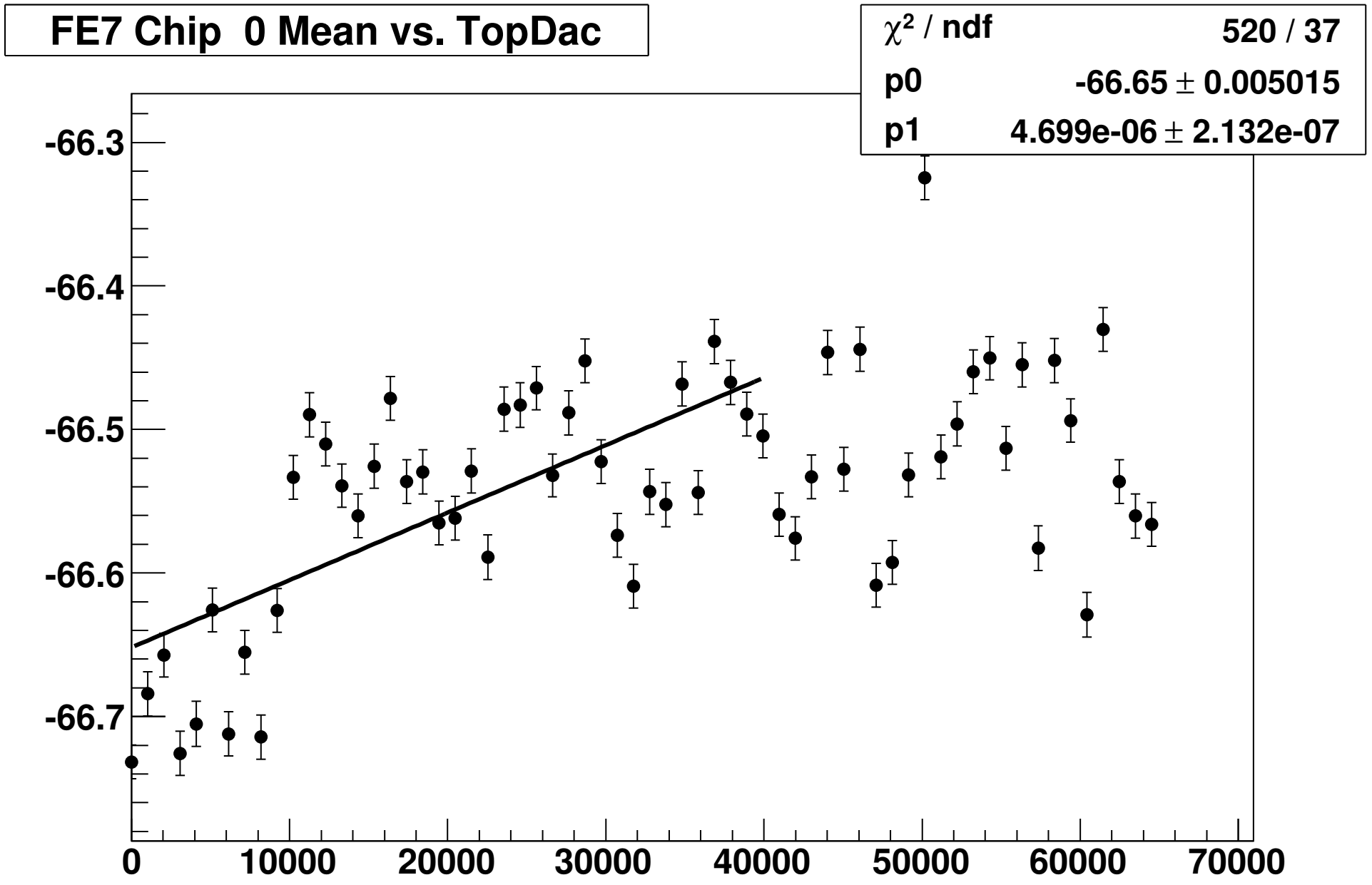
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 520 / 37
p0 -66.65 ± 0.005015
p1 4.699e-06 ± 2.132e-07
-66.3
-66.4
-66.5
-66.6
-66.7
0
10000
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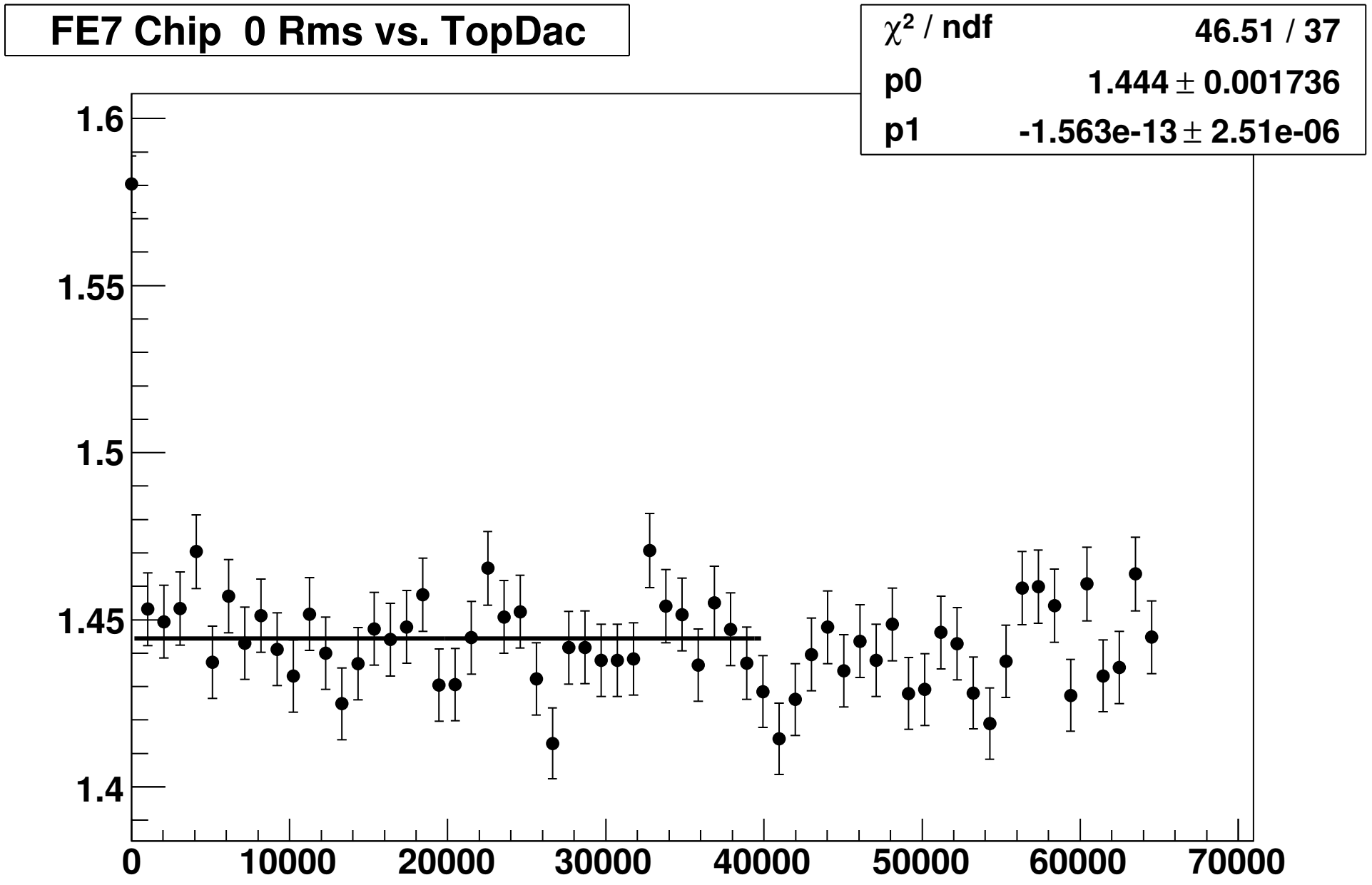
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 46.51 / 37
p0 1.444 ± 0.001736
p1 -1.563e-13 ± 2.51e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
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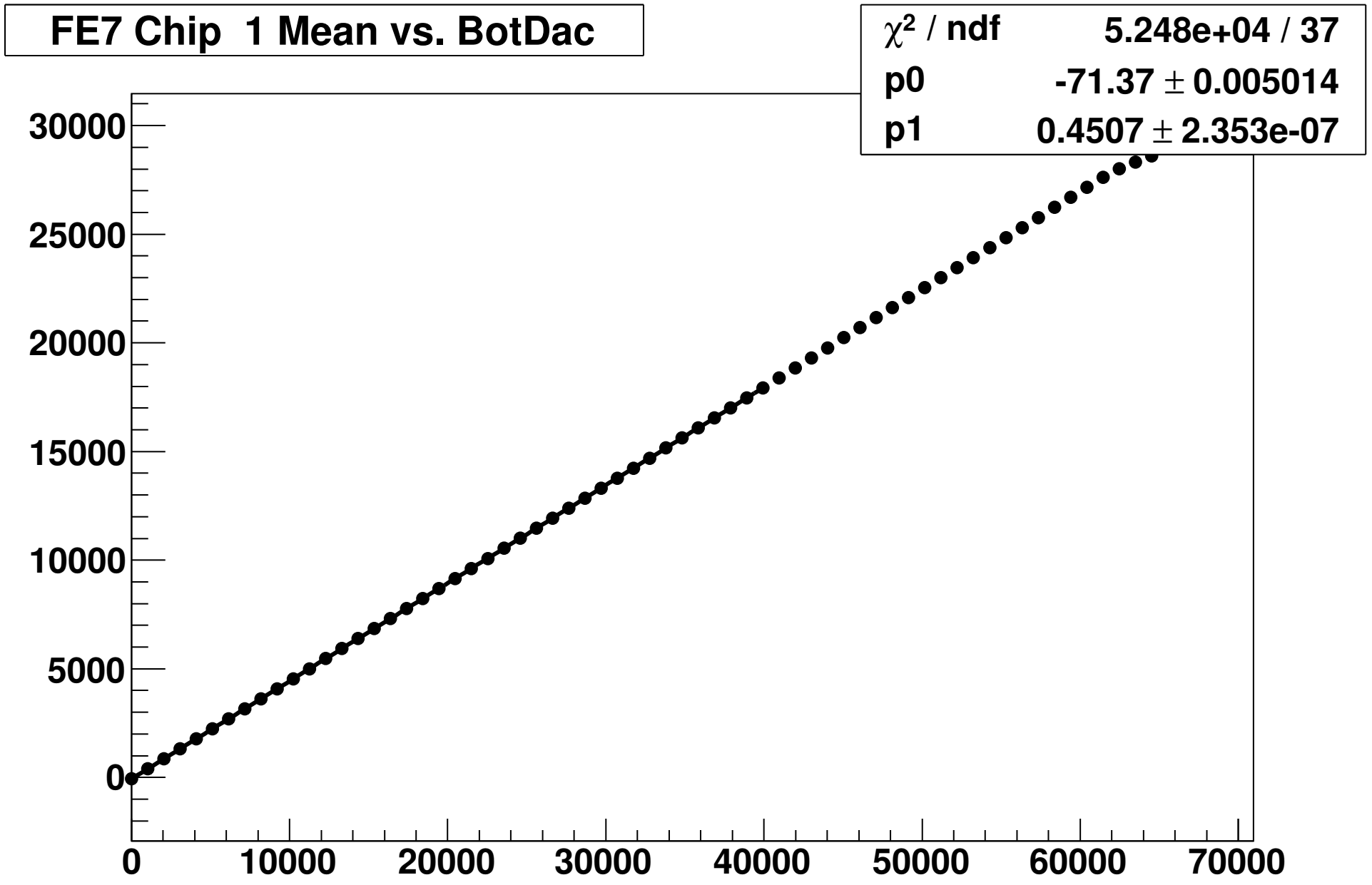
FE7 Chip 1 Mean vs. BotDac
χ² / ndf 5.248e+04 / 37
p0 -71.37 ± 0.005014
p1 0.4507 ± 2.353e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
50000
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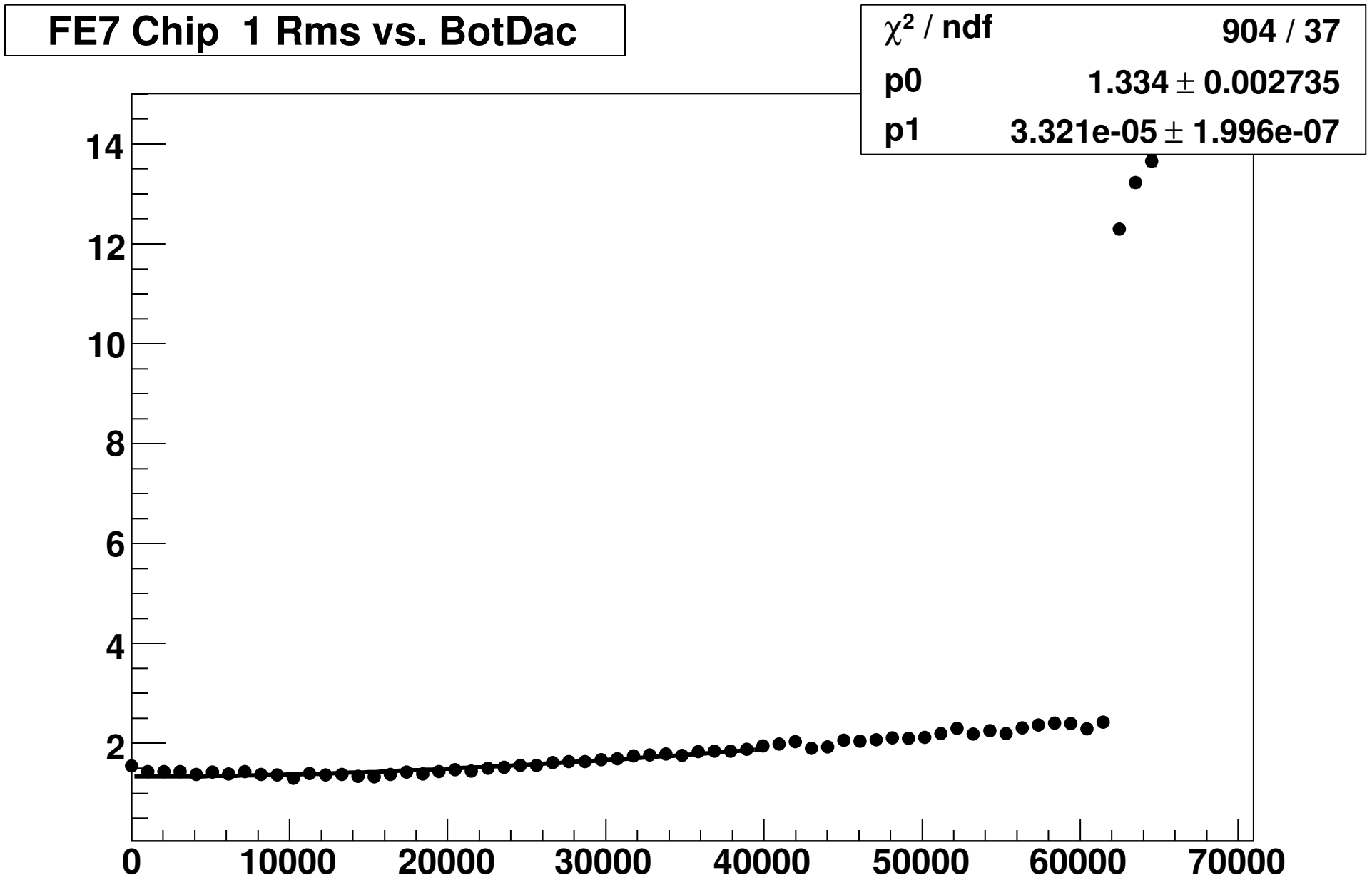
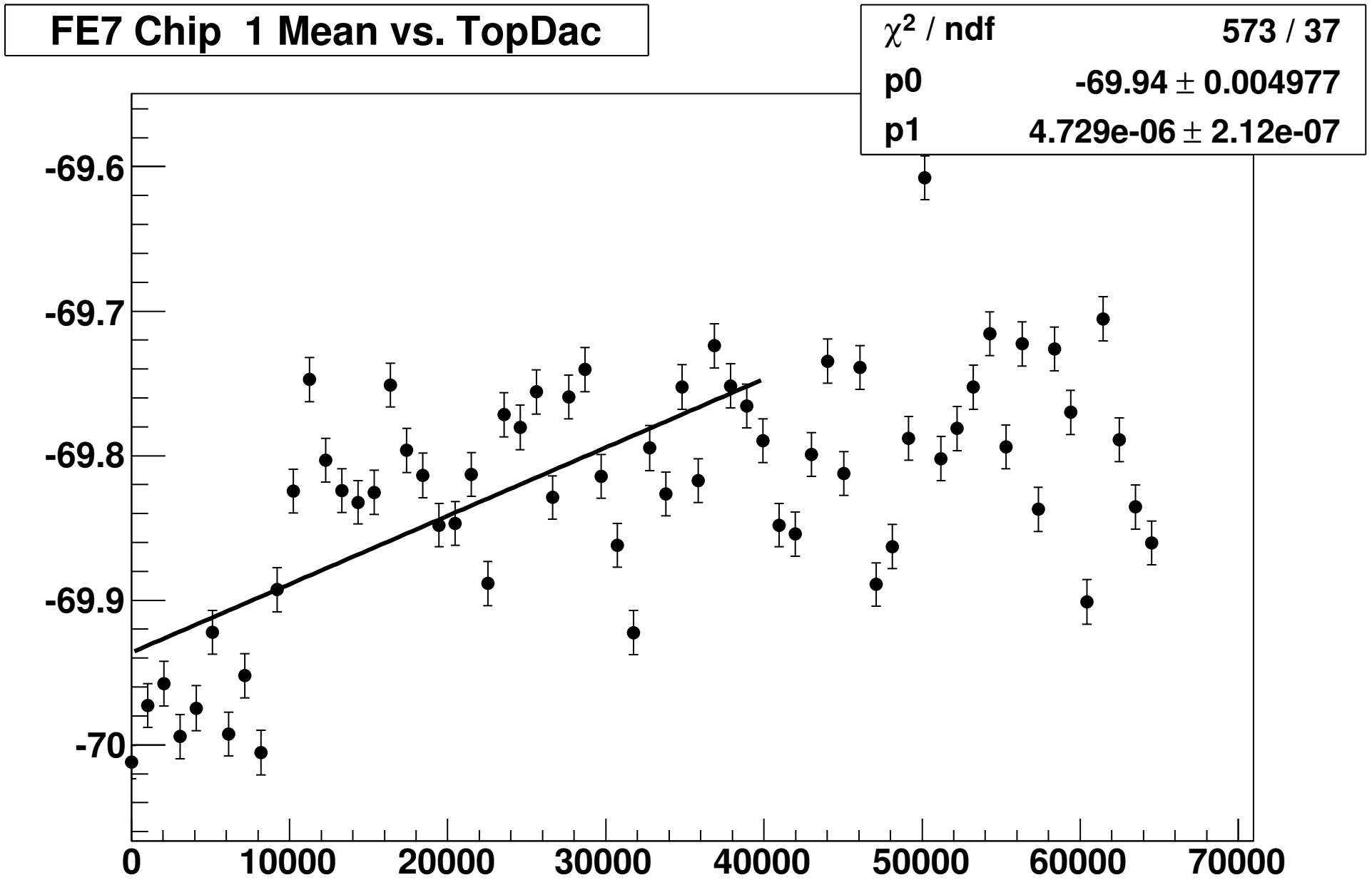
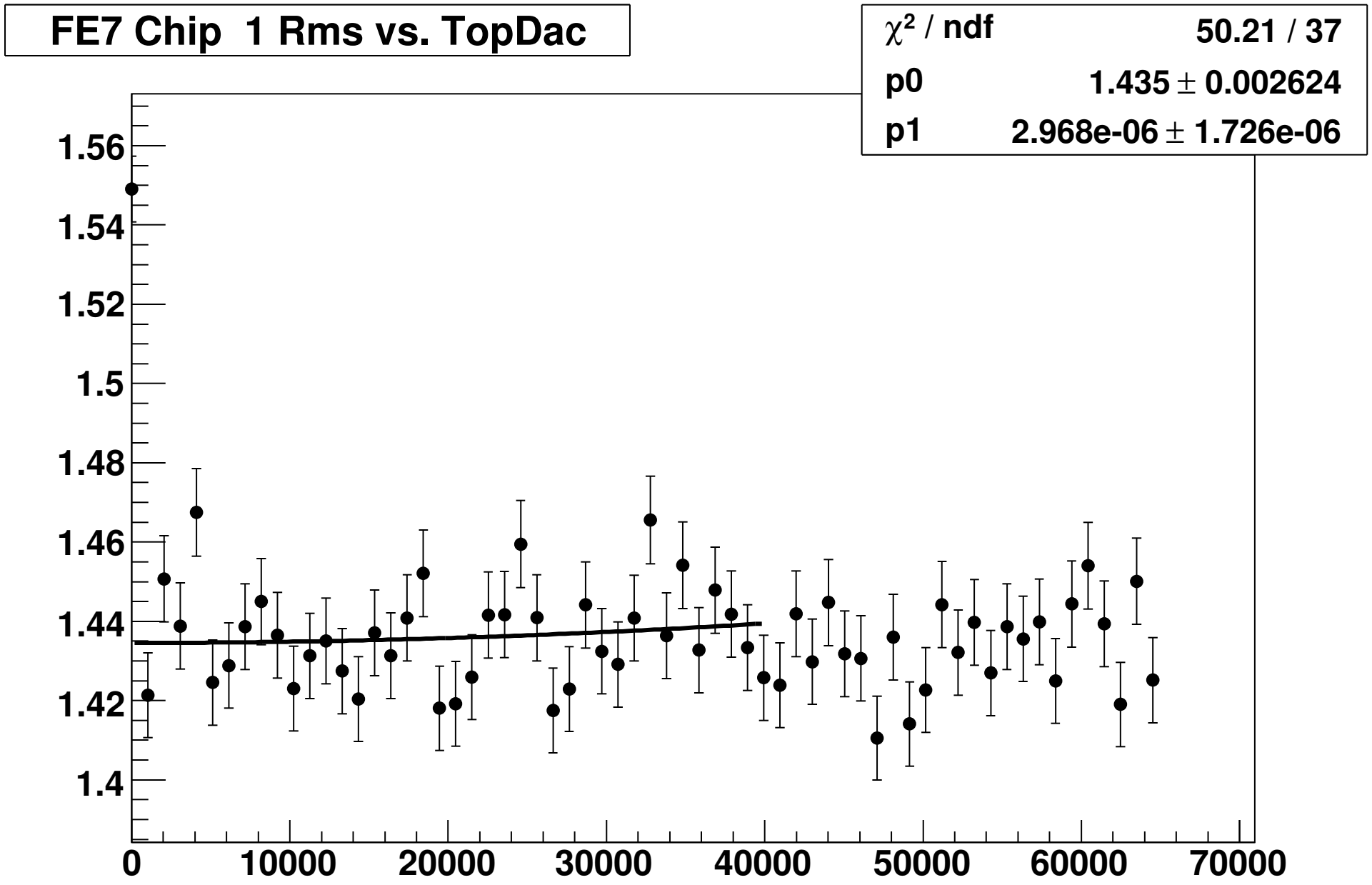
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 904 / 37
p0 1.334 ± 0.002735
p1 3.321e-05 ± 1.996e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 573 / 37
p0 -69.94 ± 0.004977
p1 4.729e-06 ± 2.12e-07
-69.6
-69.7
-69.8
-69.9
-70
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 50.21 / 37
p0 1.435 ± 0.002624
p1 2.968e-06 ± 1.726e-06
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
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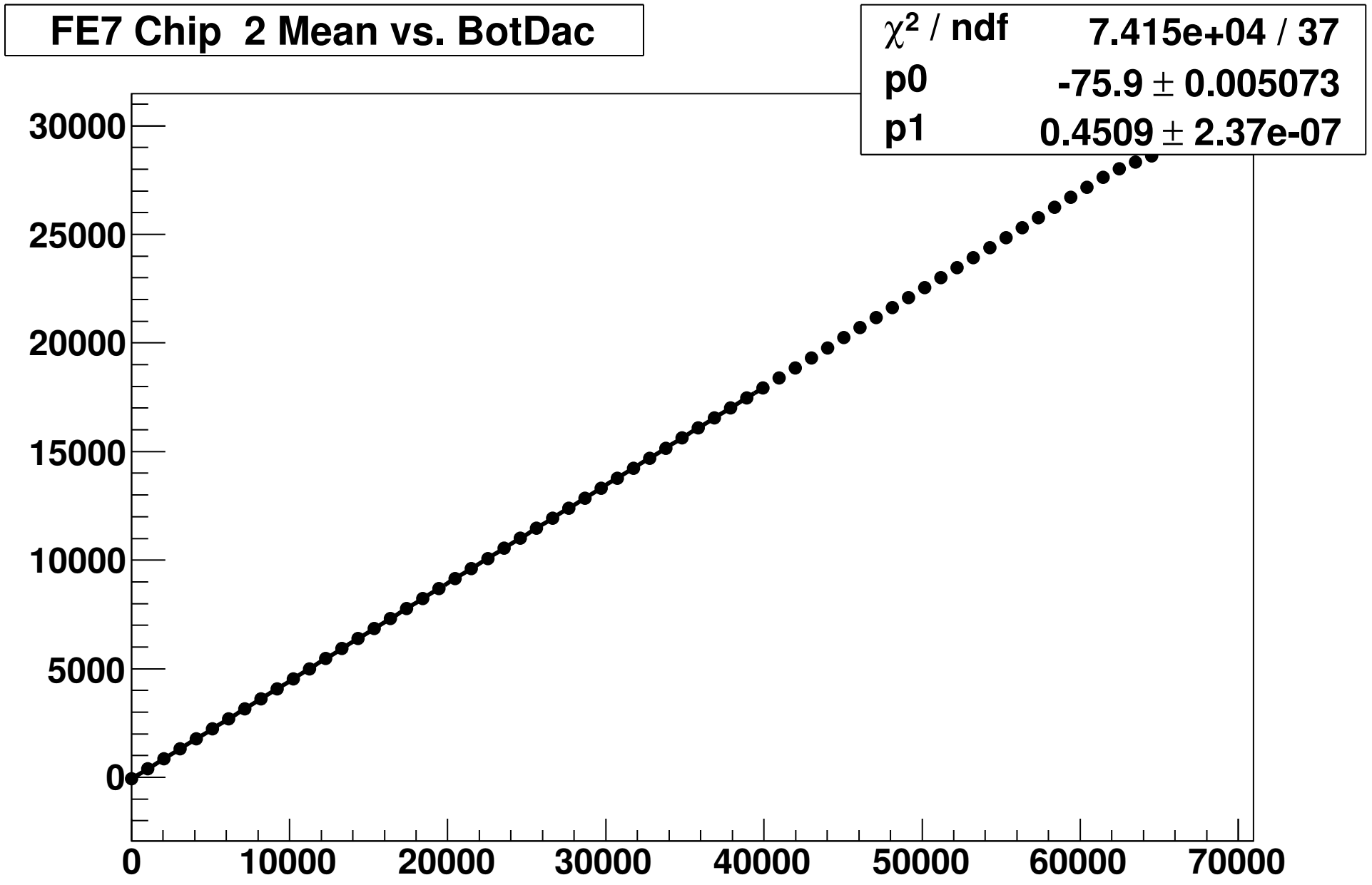
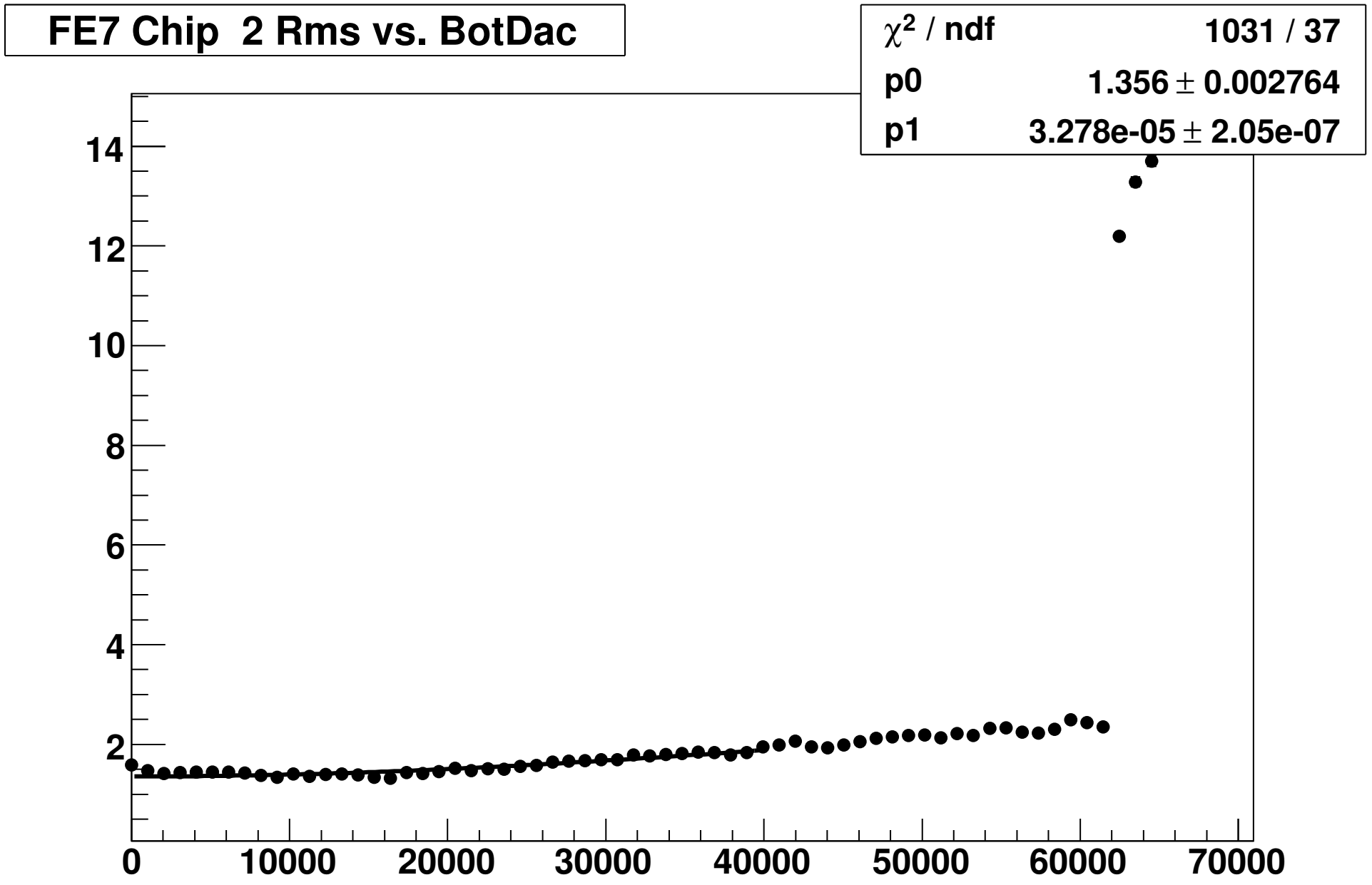
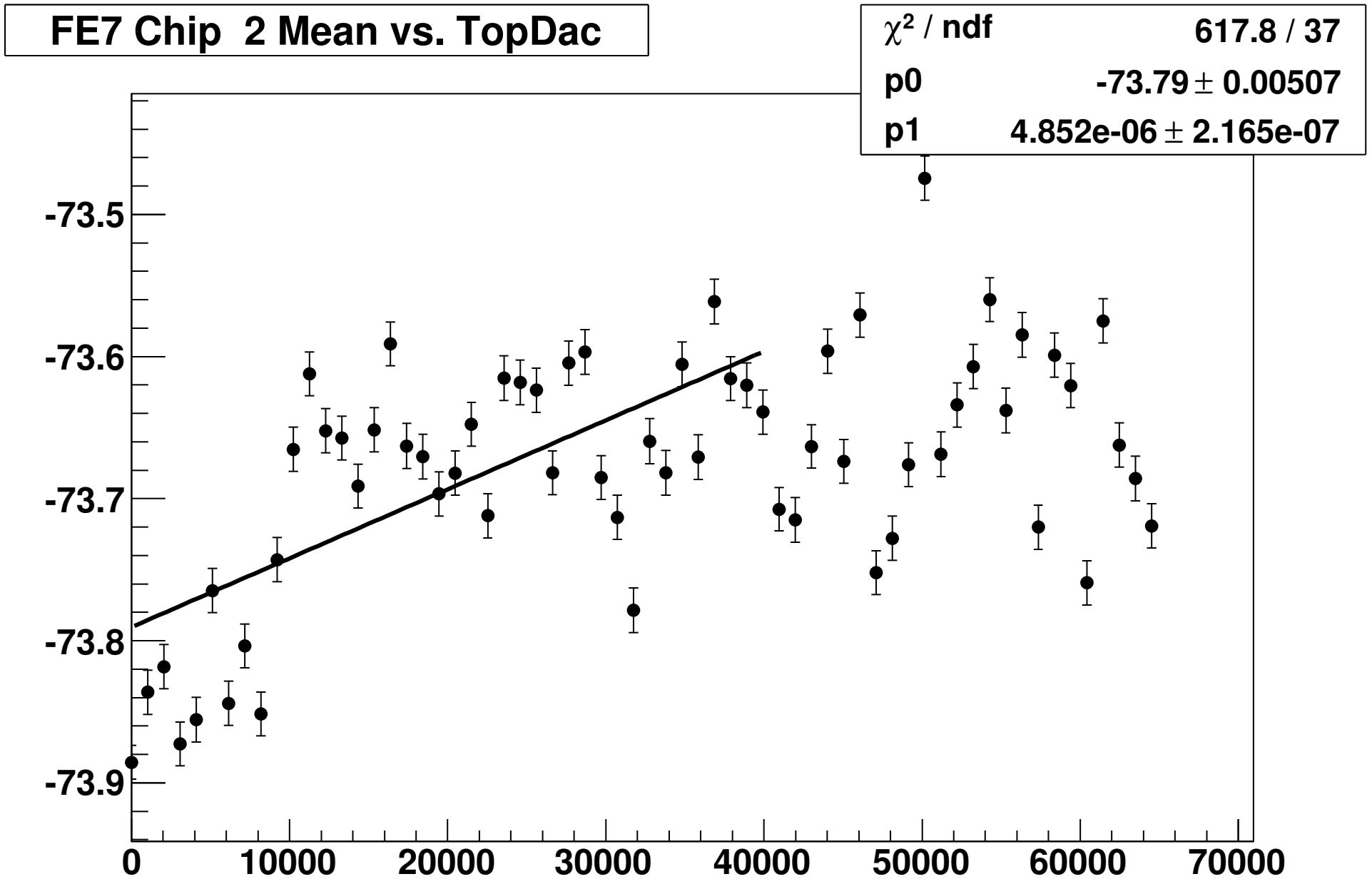
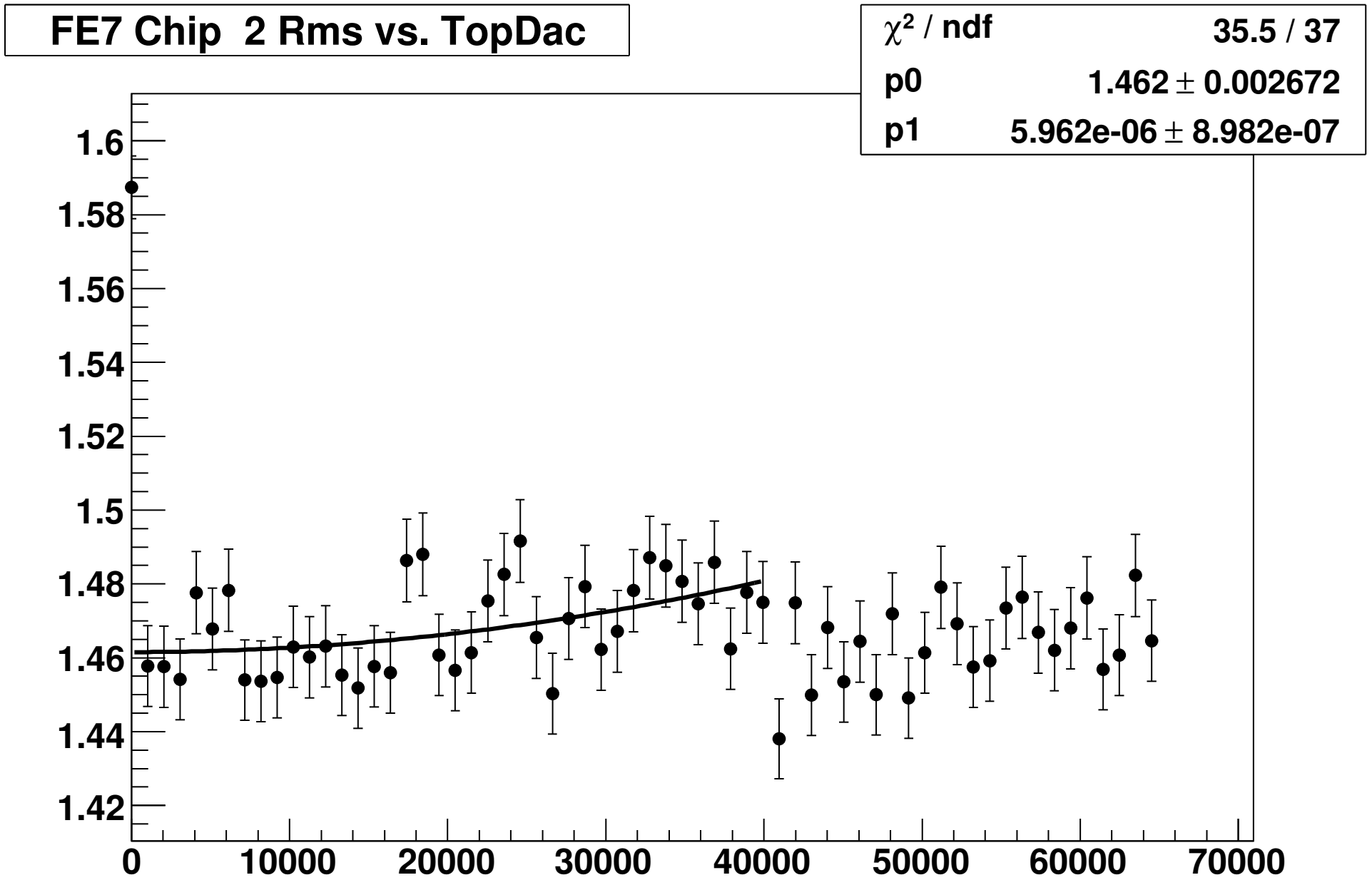
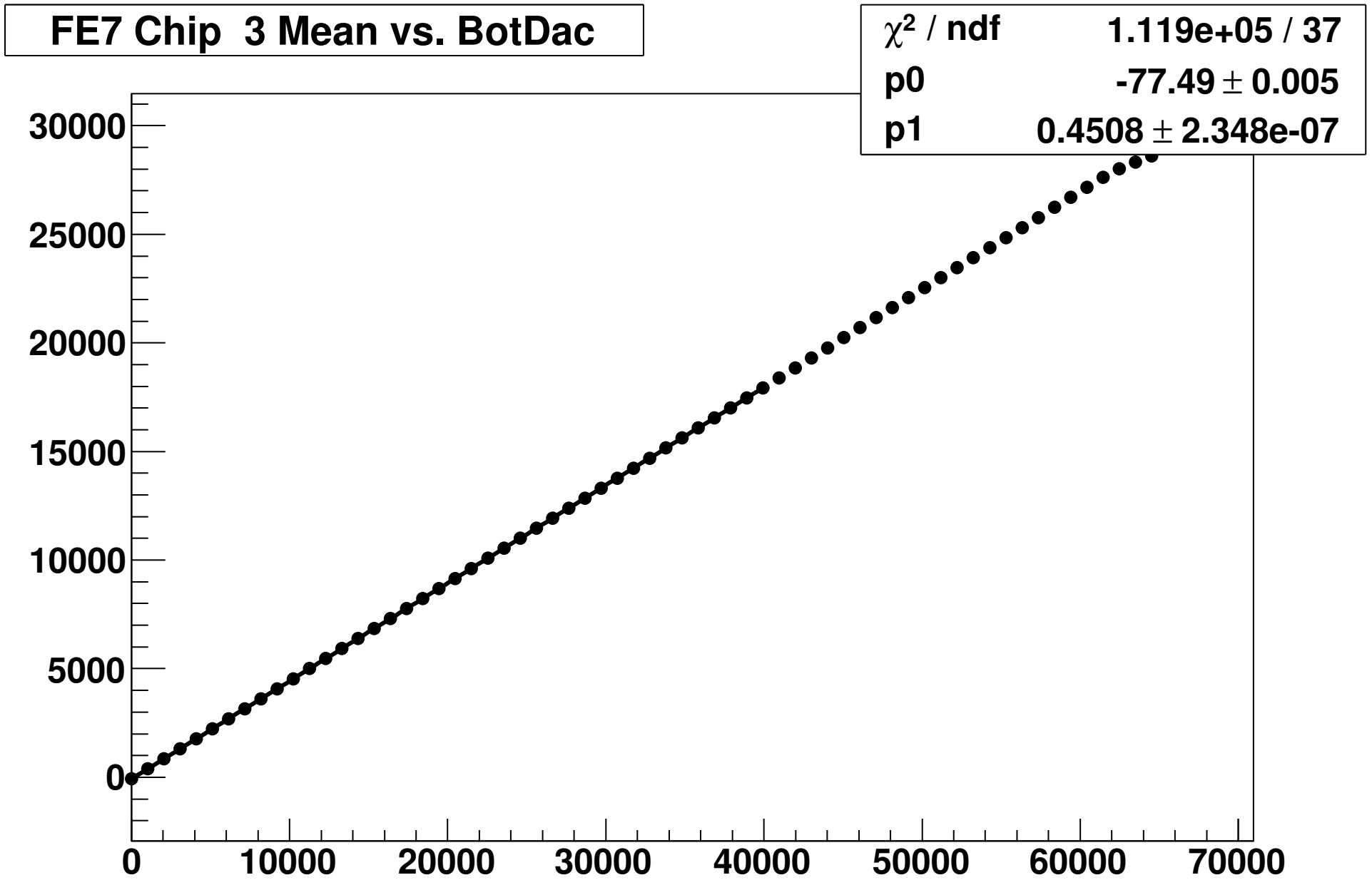
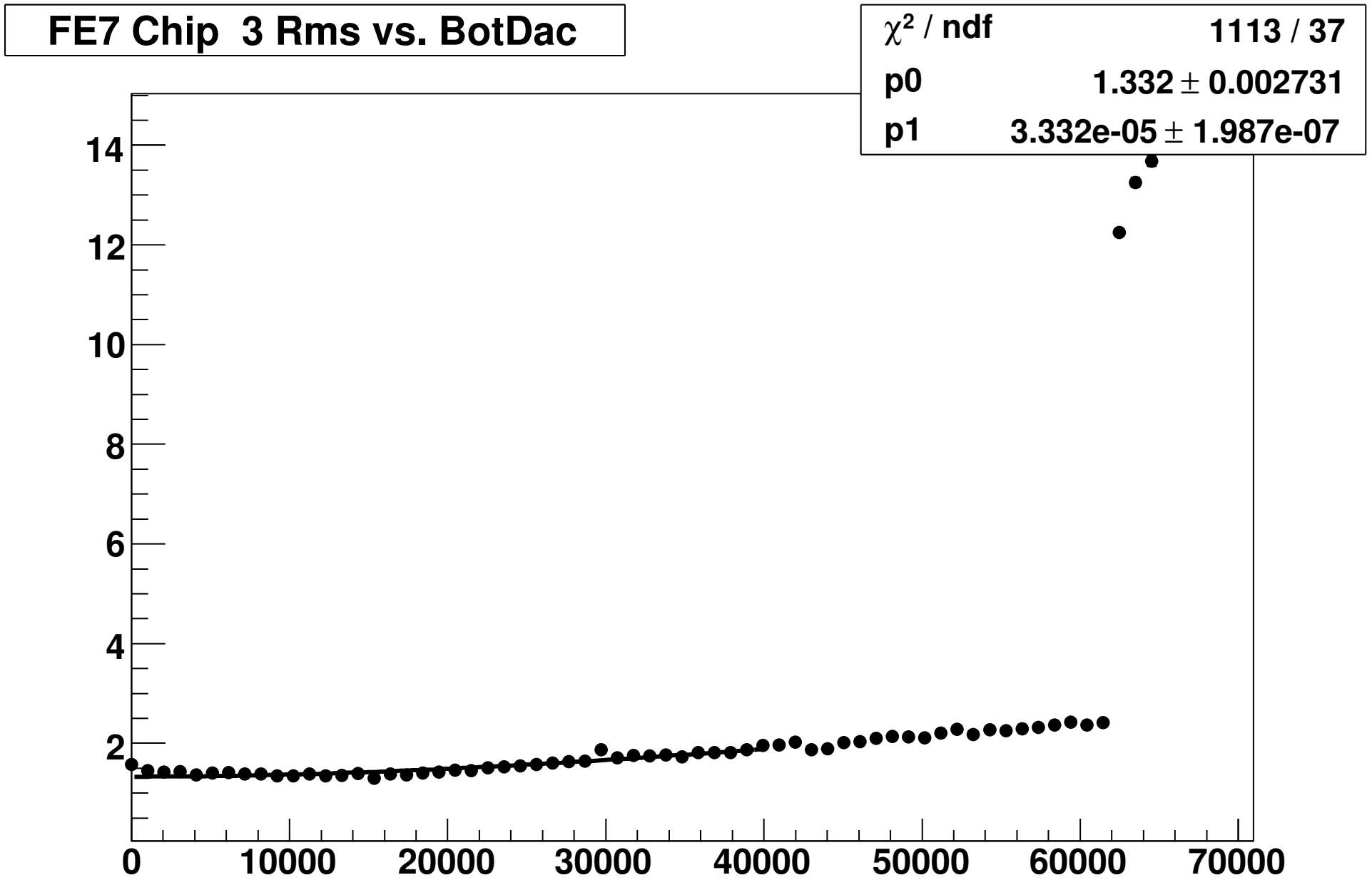

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 7.415e+04 / 37
p0 -75.9 ± 0.005073
p1 0.4509 ± 2.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 1031 / 37
p0 1.356 ± 0.002764
p1 3.278e-05 ± 2.05e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 617.8 / 37
p0 -73.79 ± 0.00507
p1 4.852e-06 ± 2.165e-07
-73.5
-73.6
-73.7
-73.8
-73.9
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 35.5 / 37
p0 1.462 ± 0.002672
p1 5.962e-06 ± 8.982e-07
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 3 Mean vs. BotDac
χ² / ndf 1.119e+05 / 37
p0 -77.49 ± 0.005
p1 0.4508 ± 2.348e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1113 / 37
p0 1.332 ± 0.002731
p1 3.332e-05 ± 1.987e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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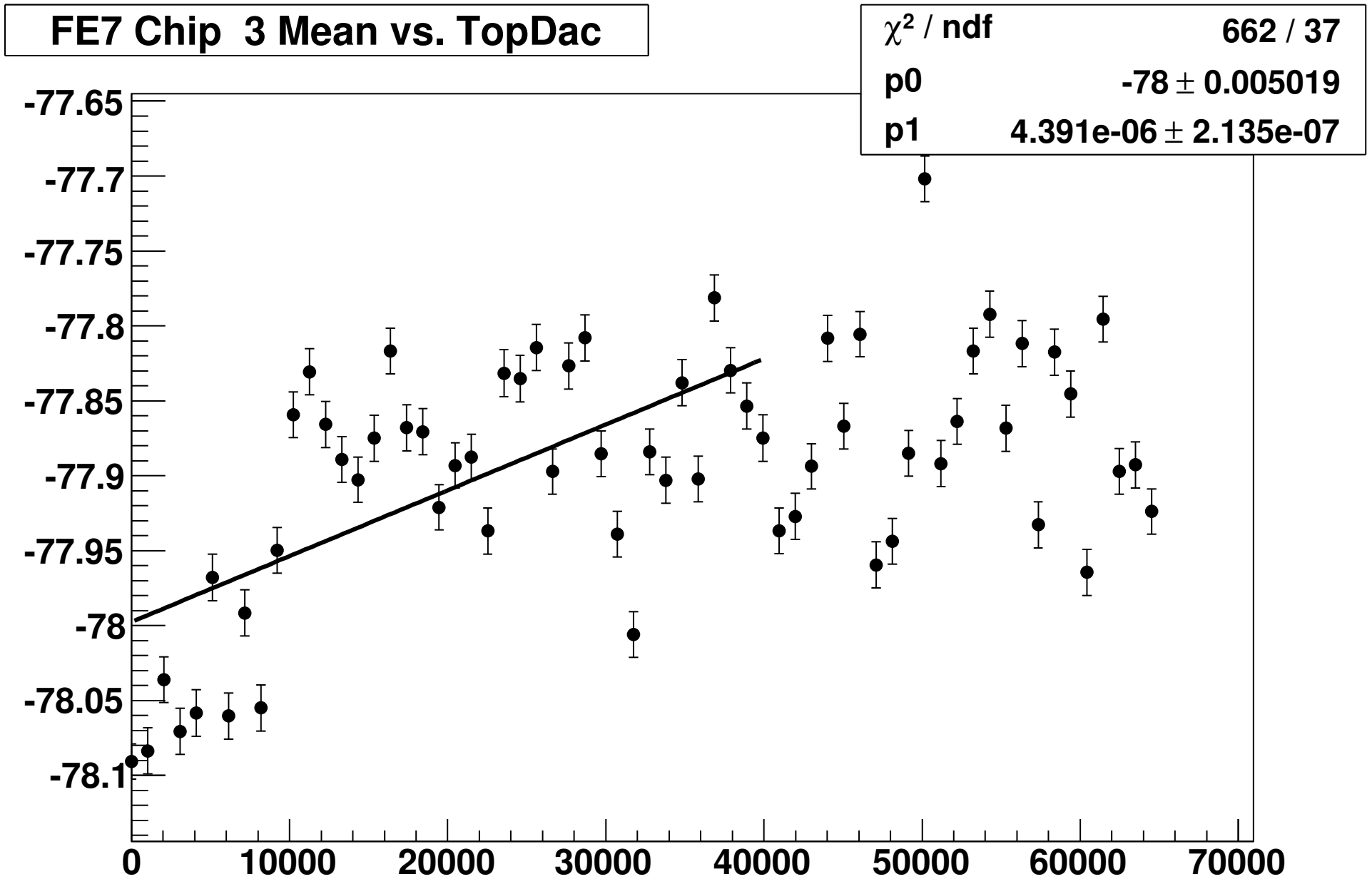
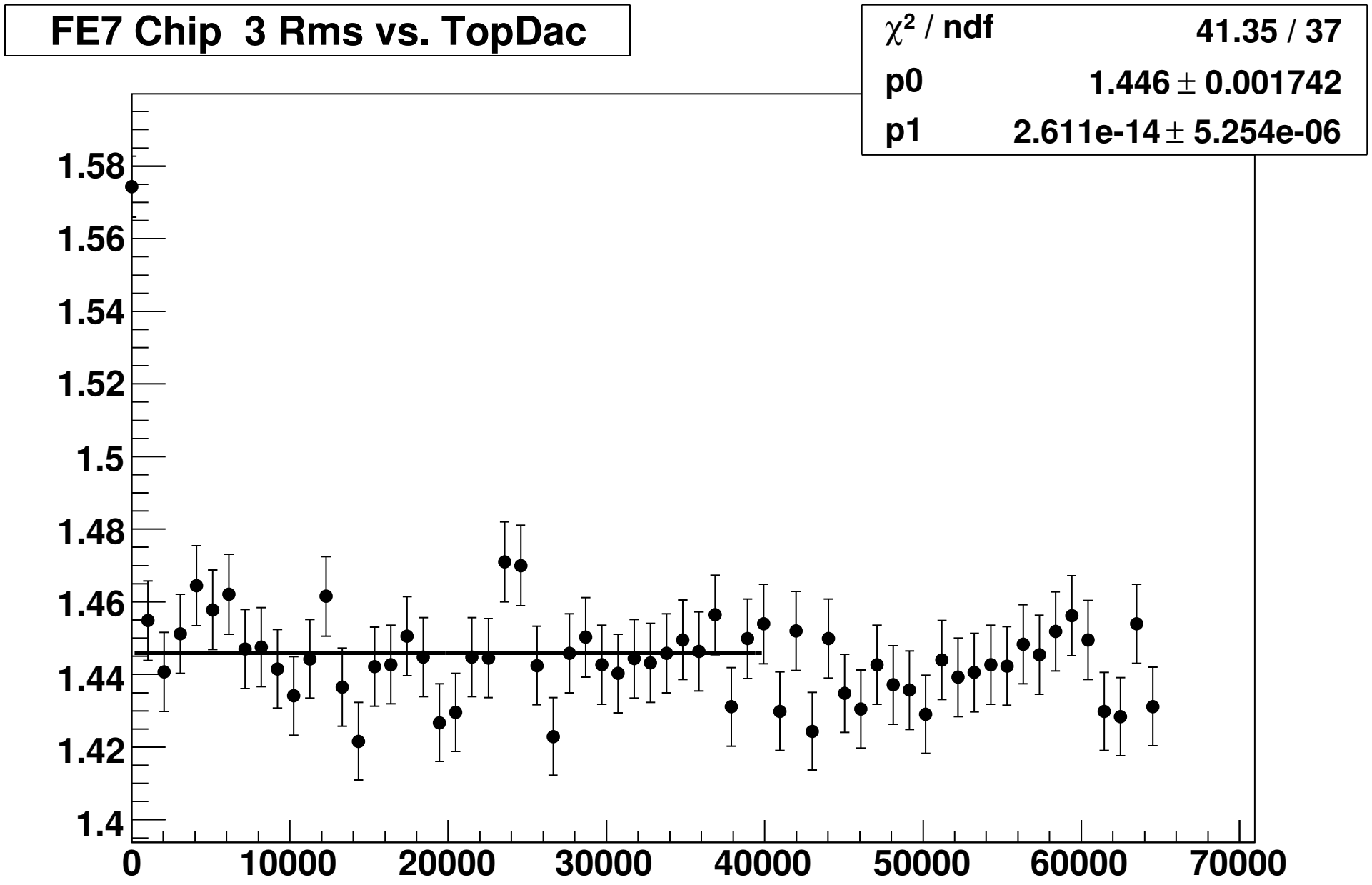
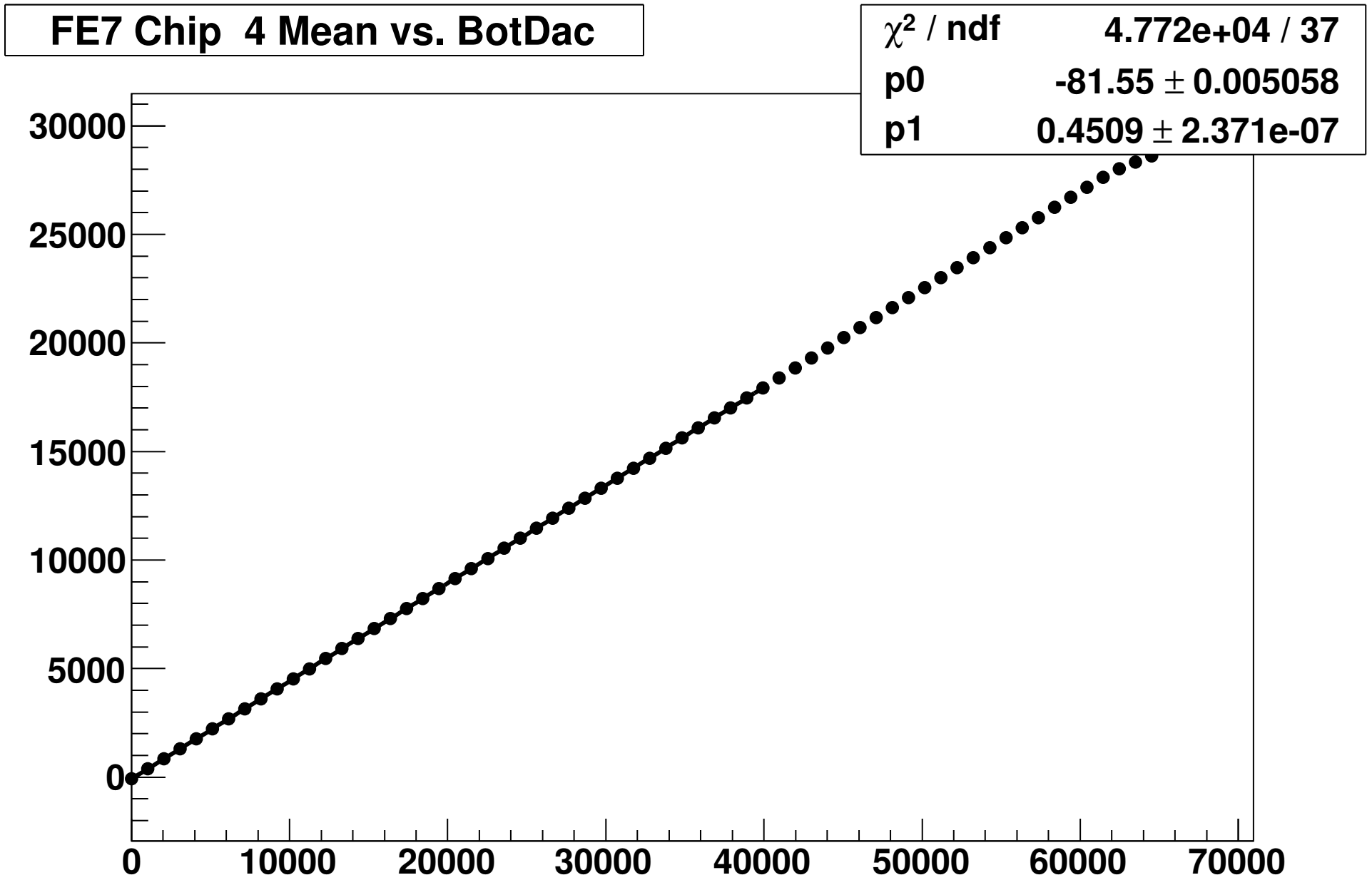
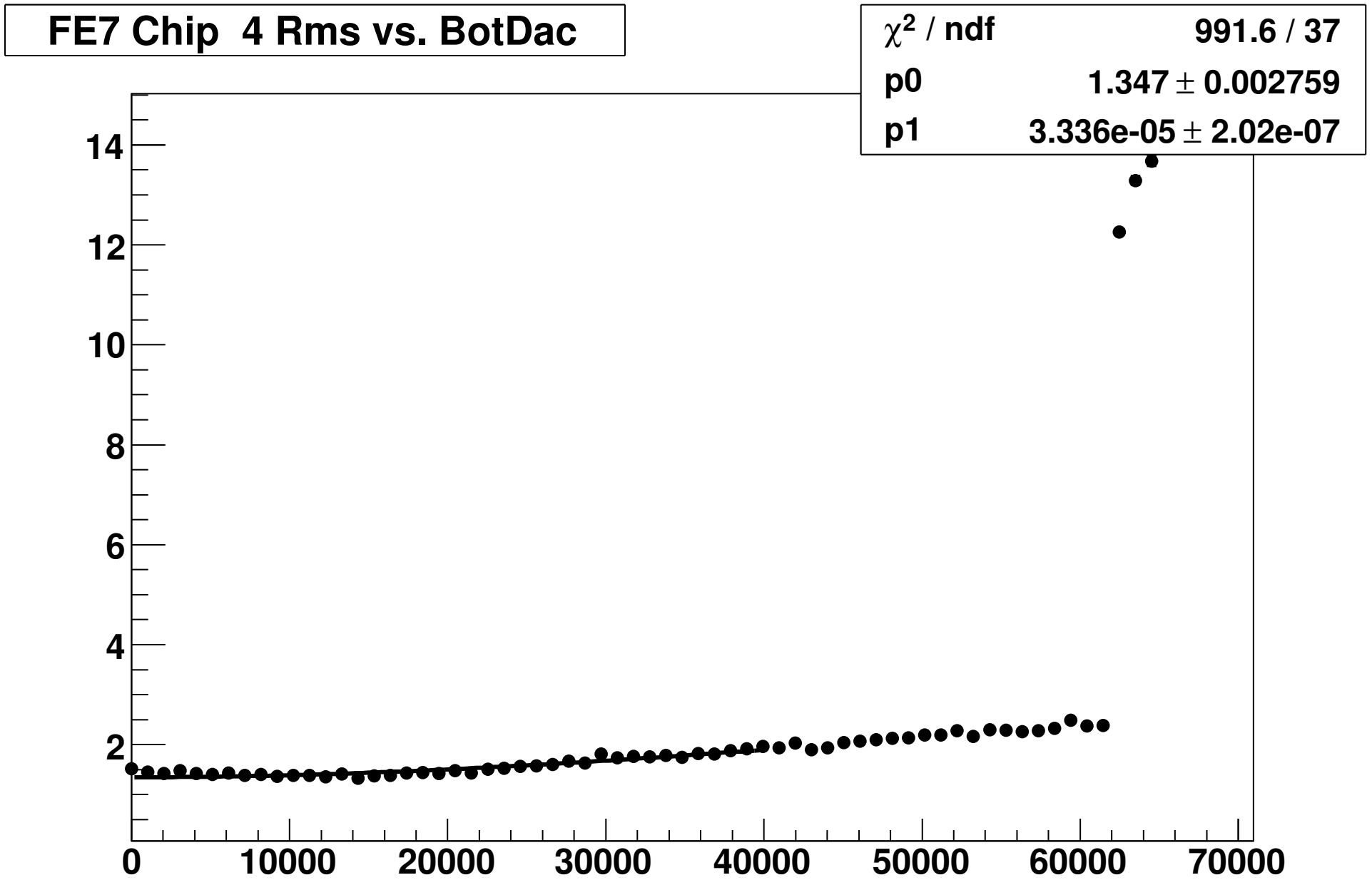
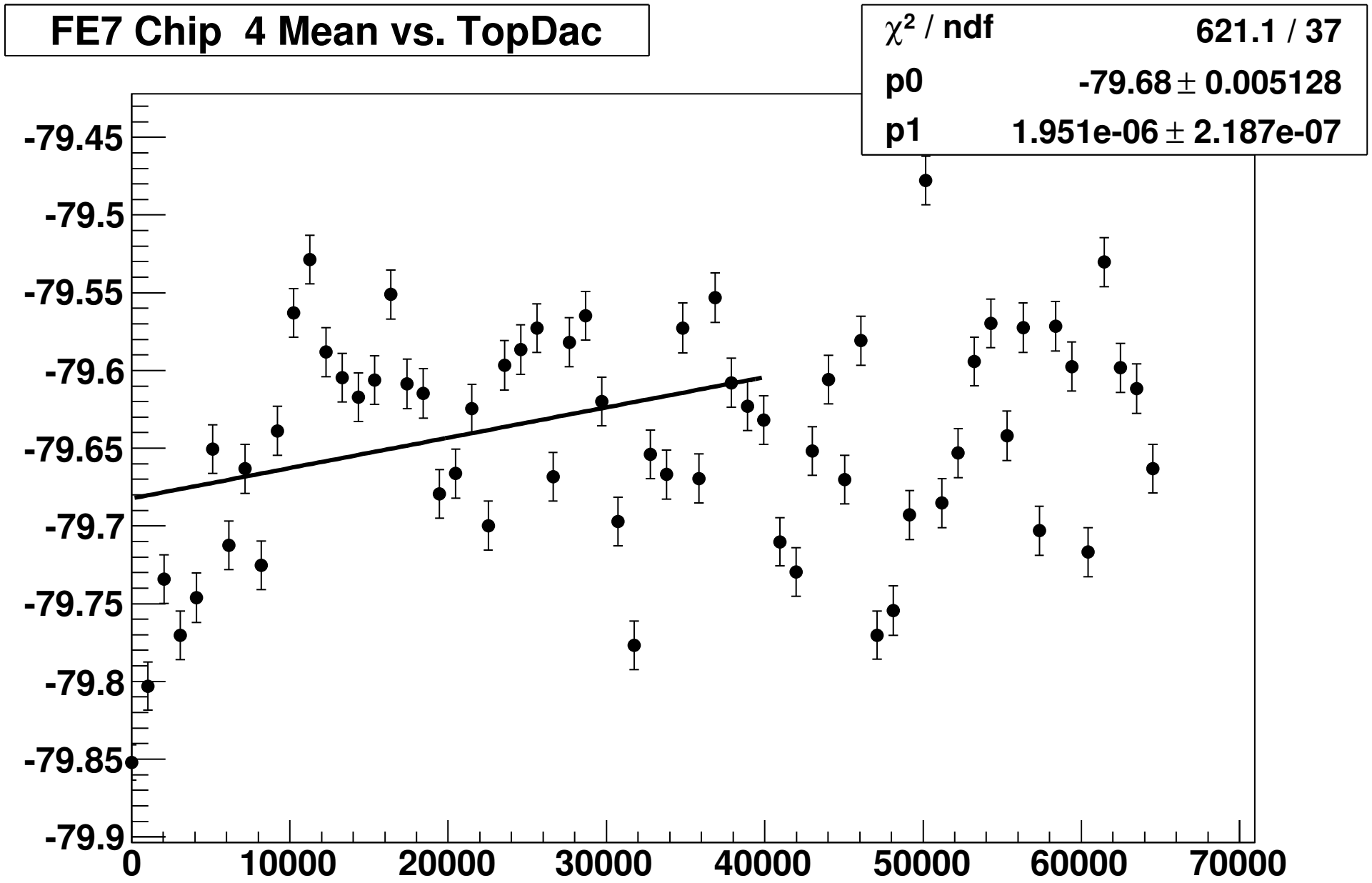
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 662 / 37
p0 -78 ± 0.005019
p1 4.391e-06 ± 2.135e-07
-77.65
-77.7
-77.75
-77.8
-77.85
-77.9
-77.95
-78
-78.05
-78.1
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. TopDac
χ² / ndf 41.35 / 37
p0 1.446 ± 0.001742
p1 2.611e-14 ± 5.254e-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


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 4.772e+04 / 37
p0 -81.55 ± 0.005058
p1 0.4509 ± 2.371e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 991.6 / 37
p0 1.347 ± 0.002759
p1 3.336e-05 ± 2.02e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. TopDac
χ² / ndf 621.1 / 37
p0 -79.68 ± 0.005128
p1 1.951e-06 ± 2.187e-07
-79.45
-79.5
-79.55
-79.6
-79.65
-79.7
-79.75
-79.8
-79.85
-79.9
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50000
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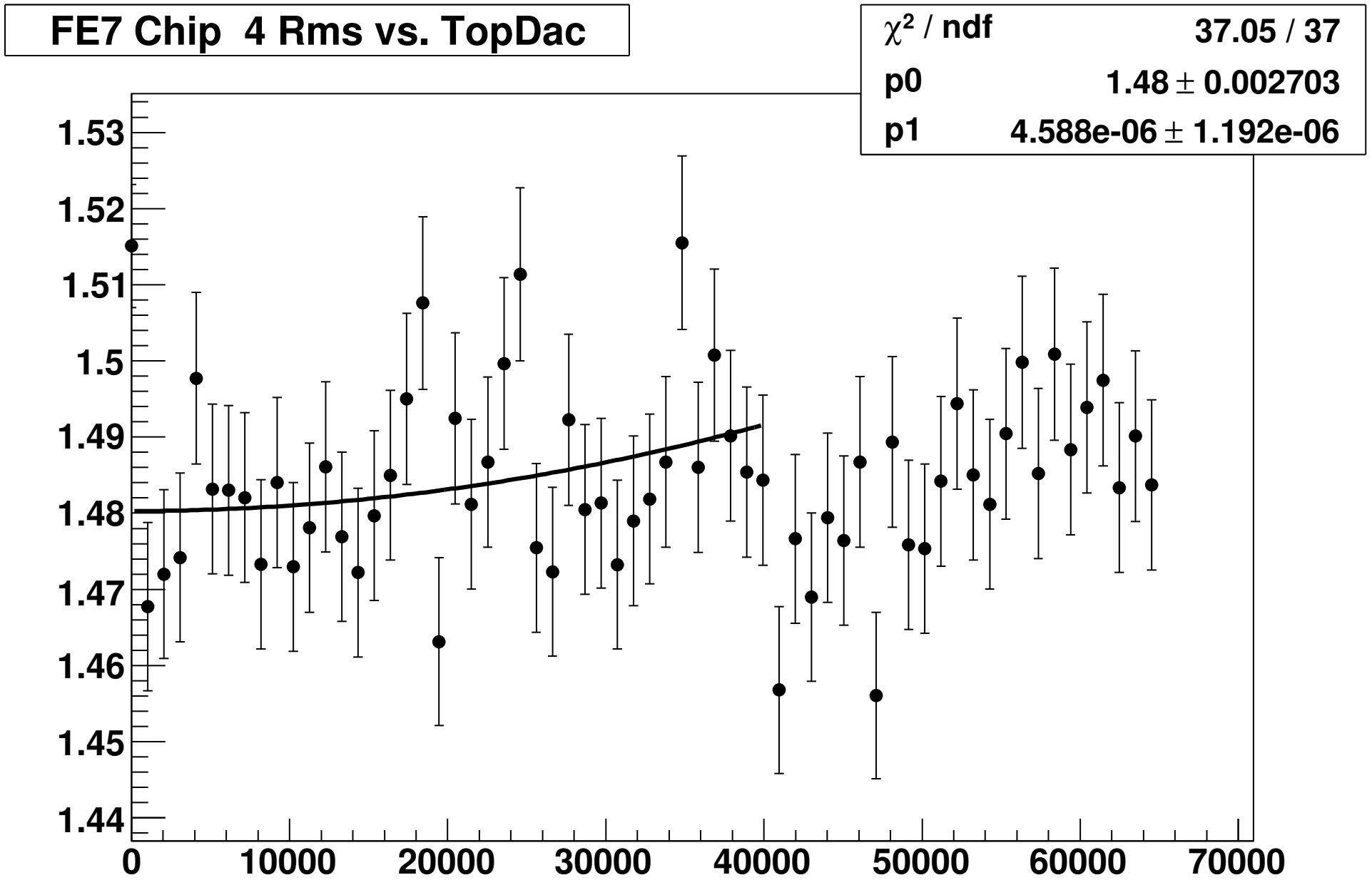
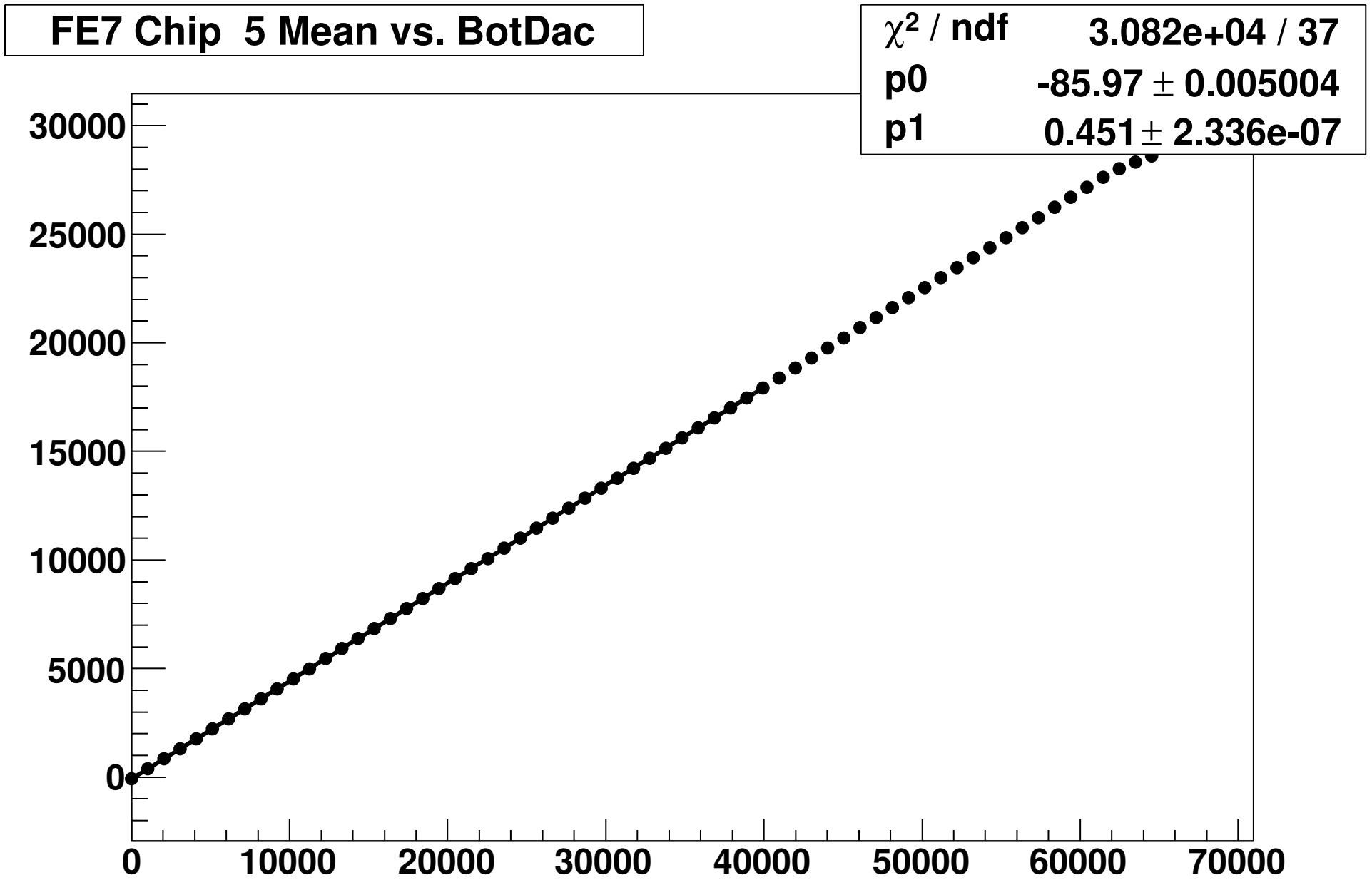
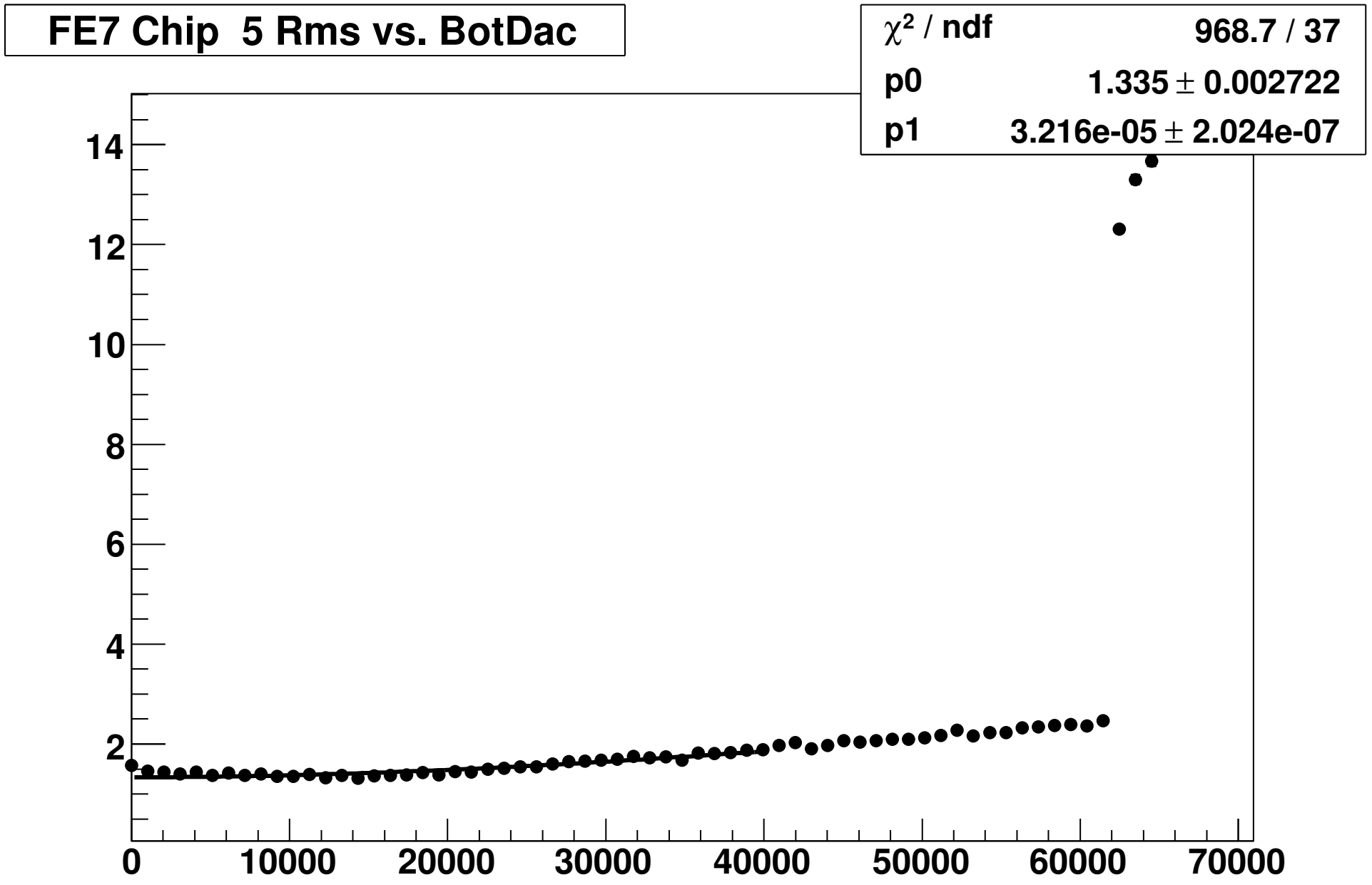
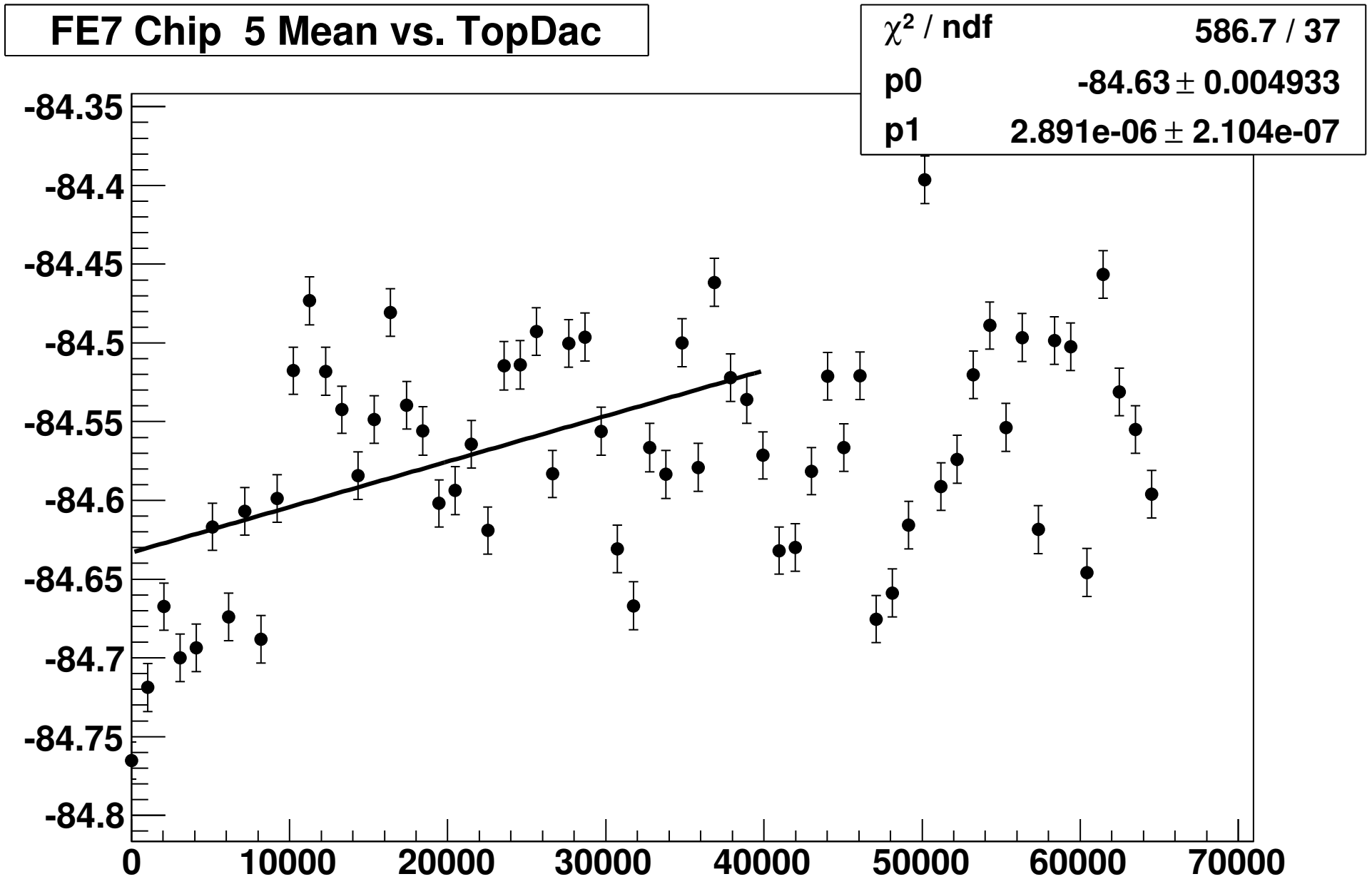
70000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 37.05 / 37
p0 1.48 ± 0.002703
p1 4.588e-06 ± 1.192e-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


FE7 Chip 5 Mean vs. BotDac
χ² / ndf 3.082e+04 / 37
p0 -85.97 ± 0.005004
p1 0.451 ± 2.336e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 968.7 / 37
p0 1.335 ± 0.002722
p1 3.216e-05 ± 2.024e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Mean vs. TopDac
χ² / ndf 586.7 / 37
p0 -84.63 ± 0.004933
p1 2.891e-06 ± 2.104e-07
-84.35
-84.4
-84.45
-84.5
-84.55
-84.6
-84.65
-84.7
-84.75
-84.8
0
10000
20000
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60000
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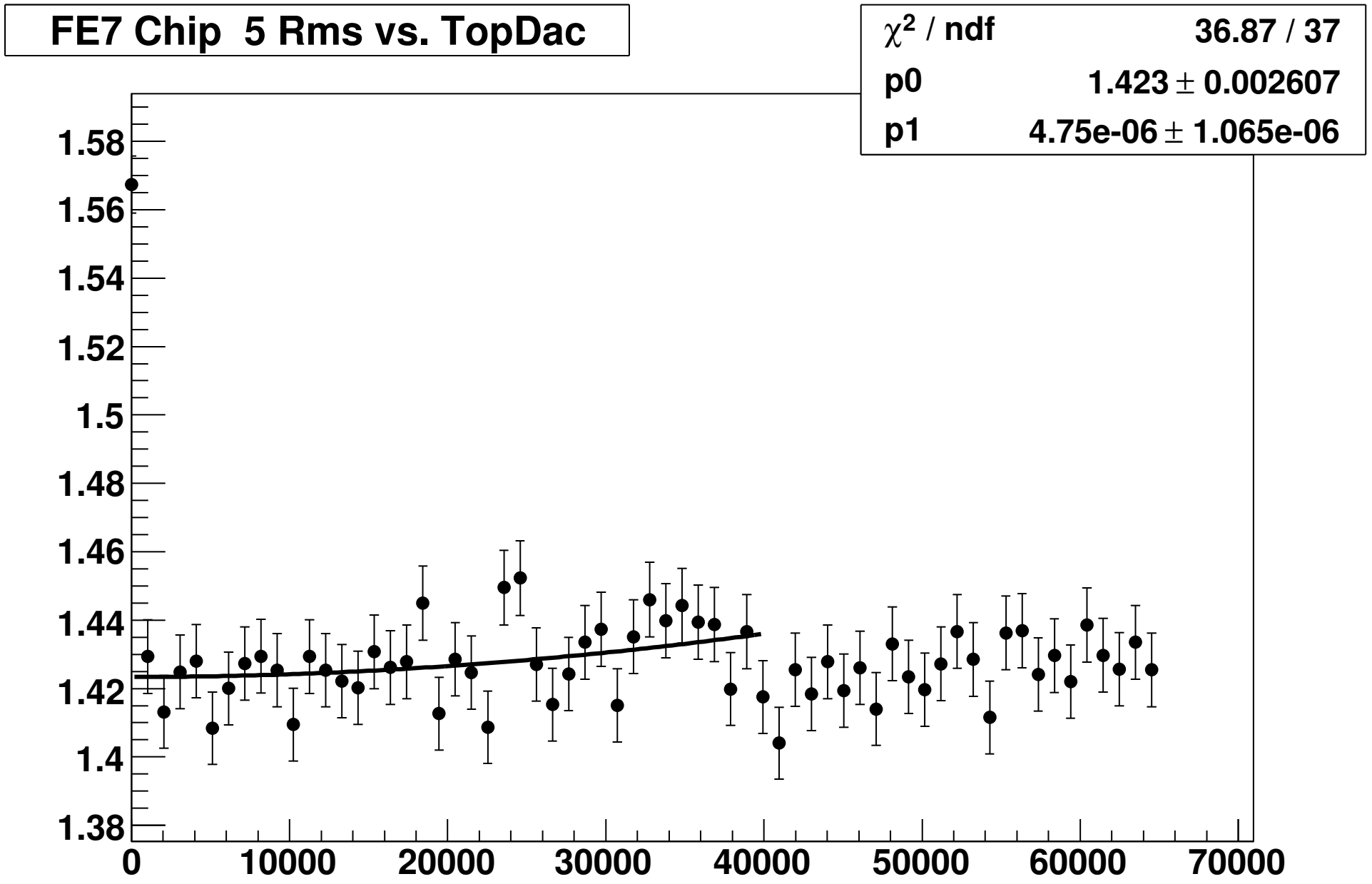
FE7 Chip 5 Rms vs. TopDac
χ² / ndf 36.87 / 37
p0 1.423 ± 0.002607
p1 4.75e-06 ± 1.065e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
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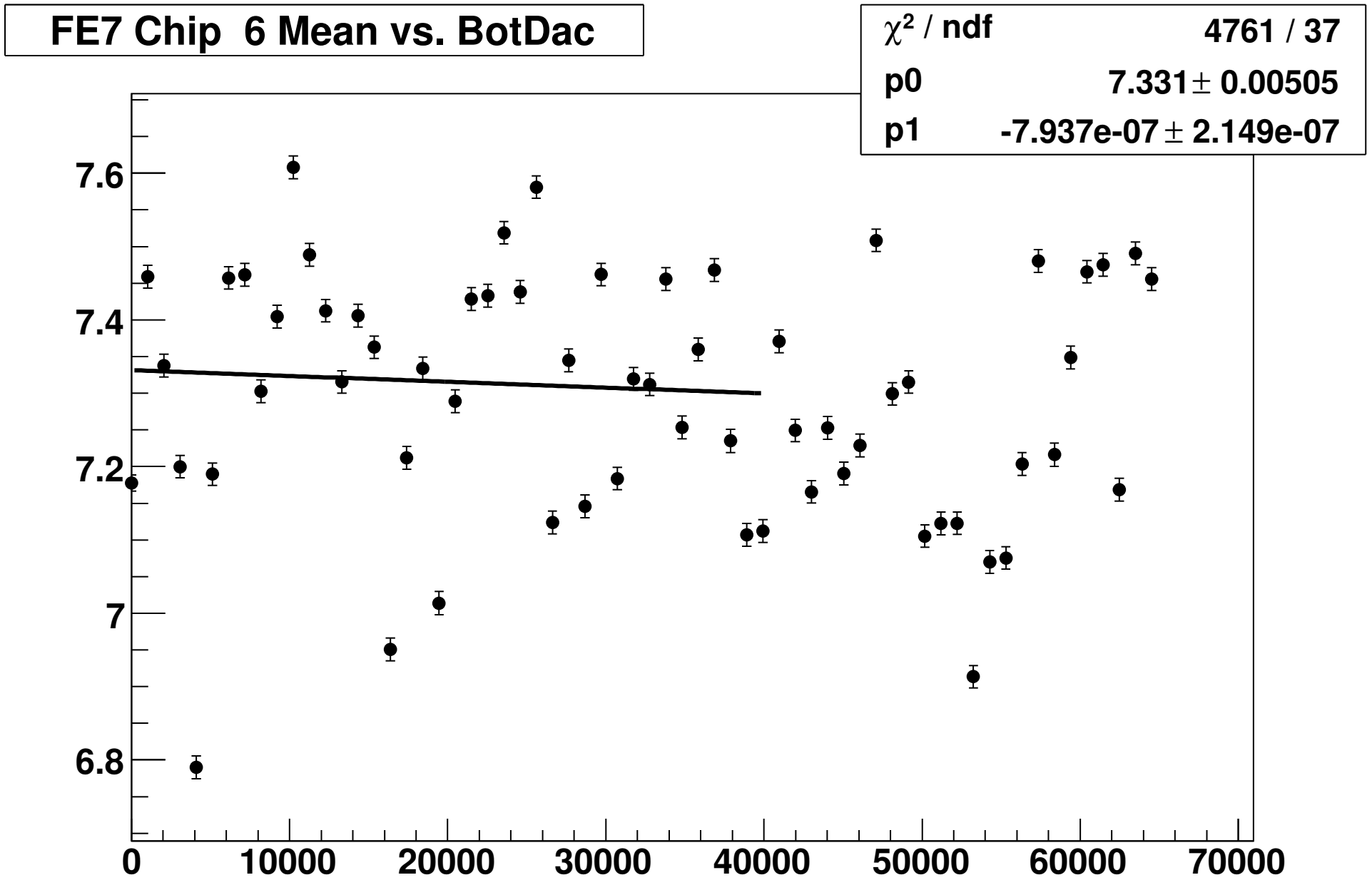
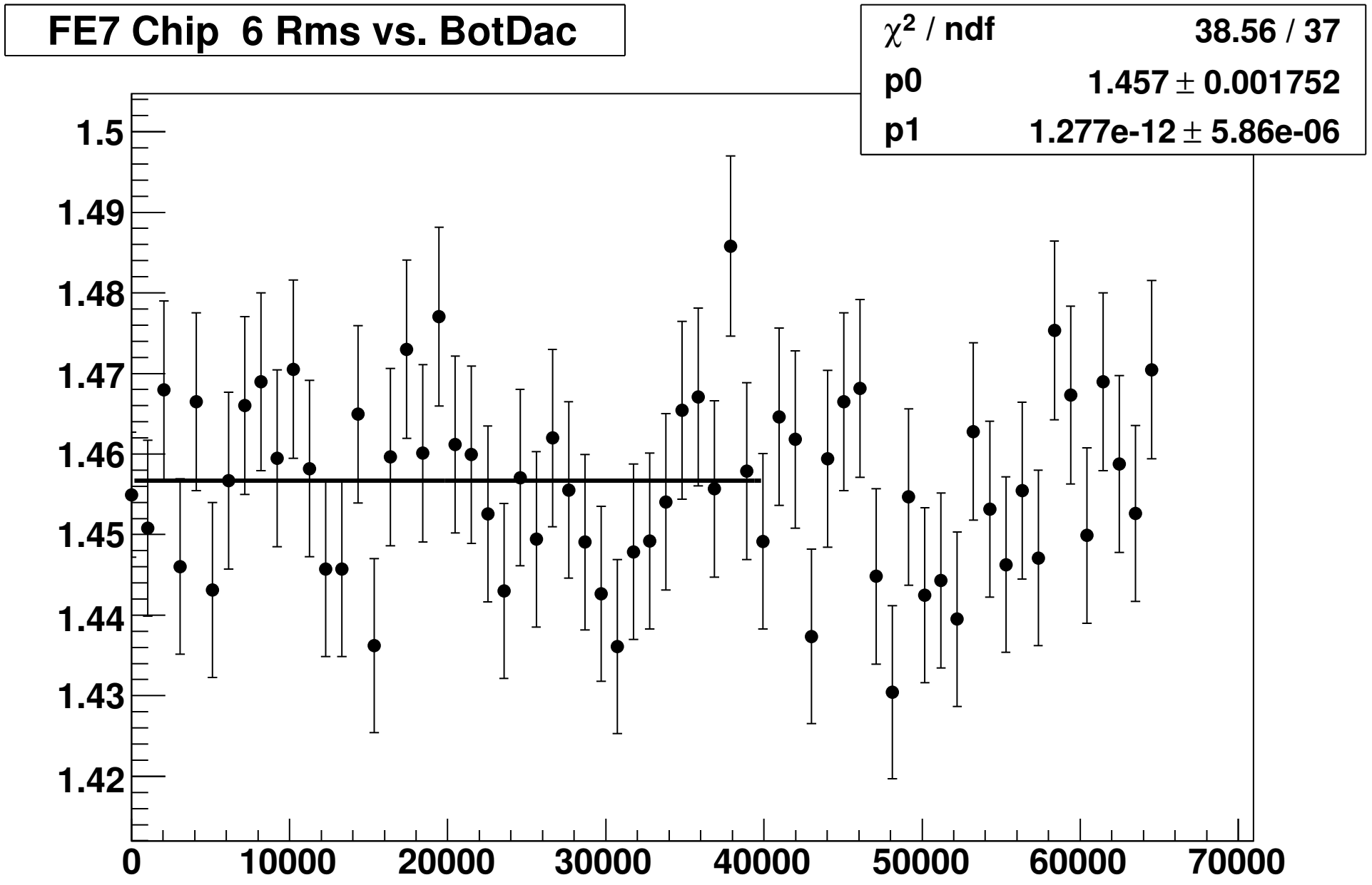
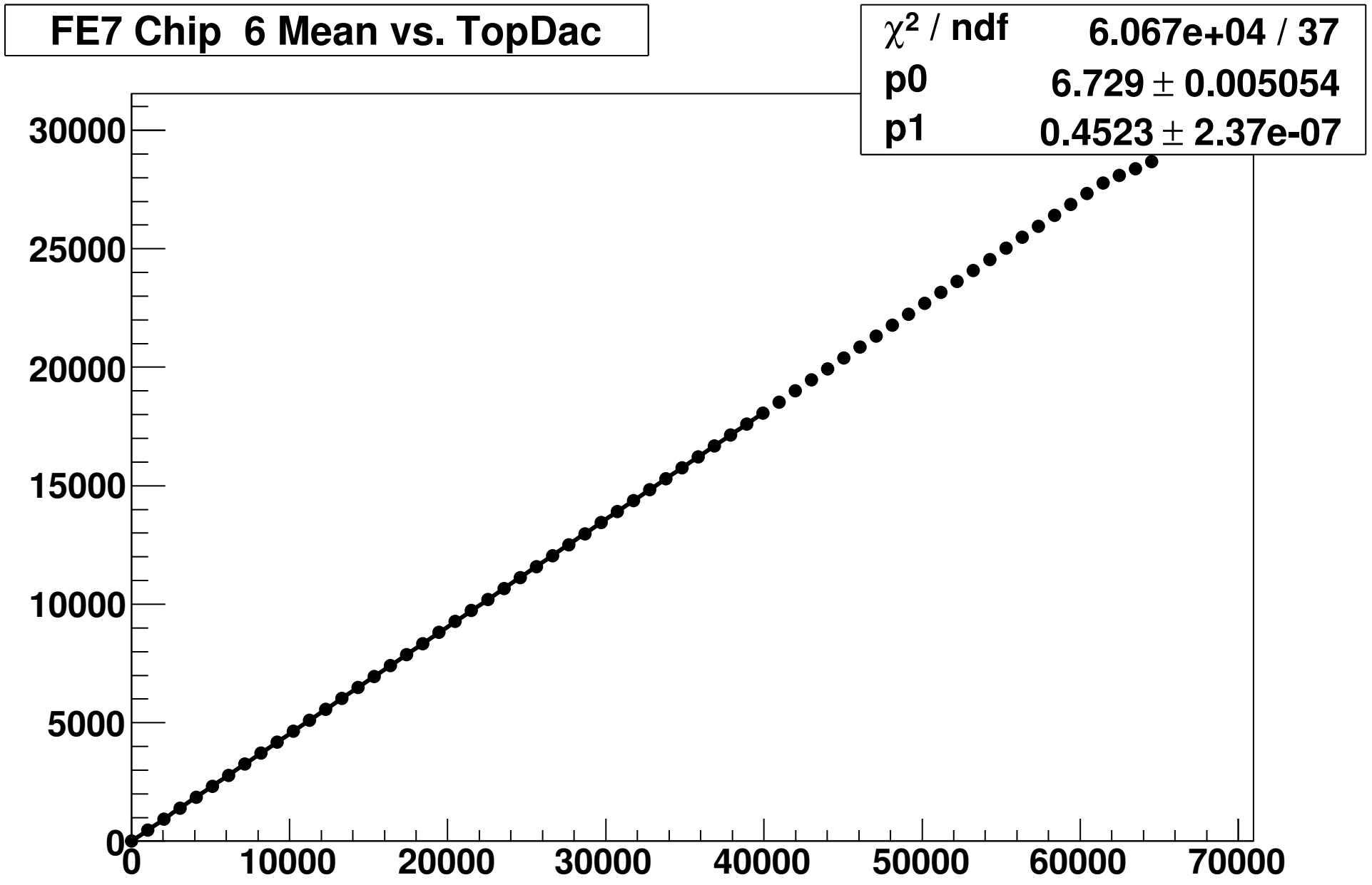
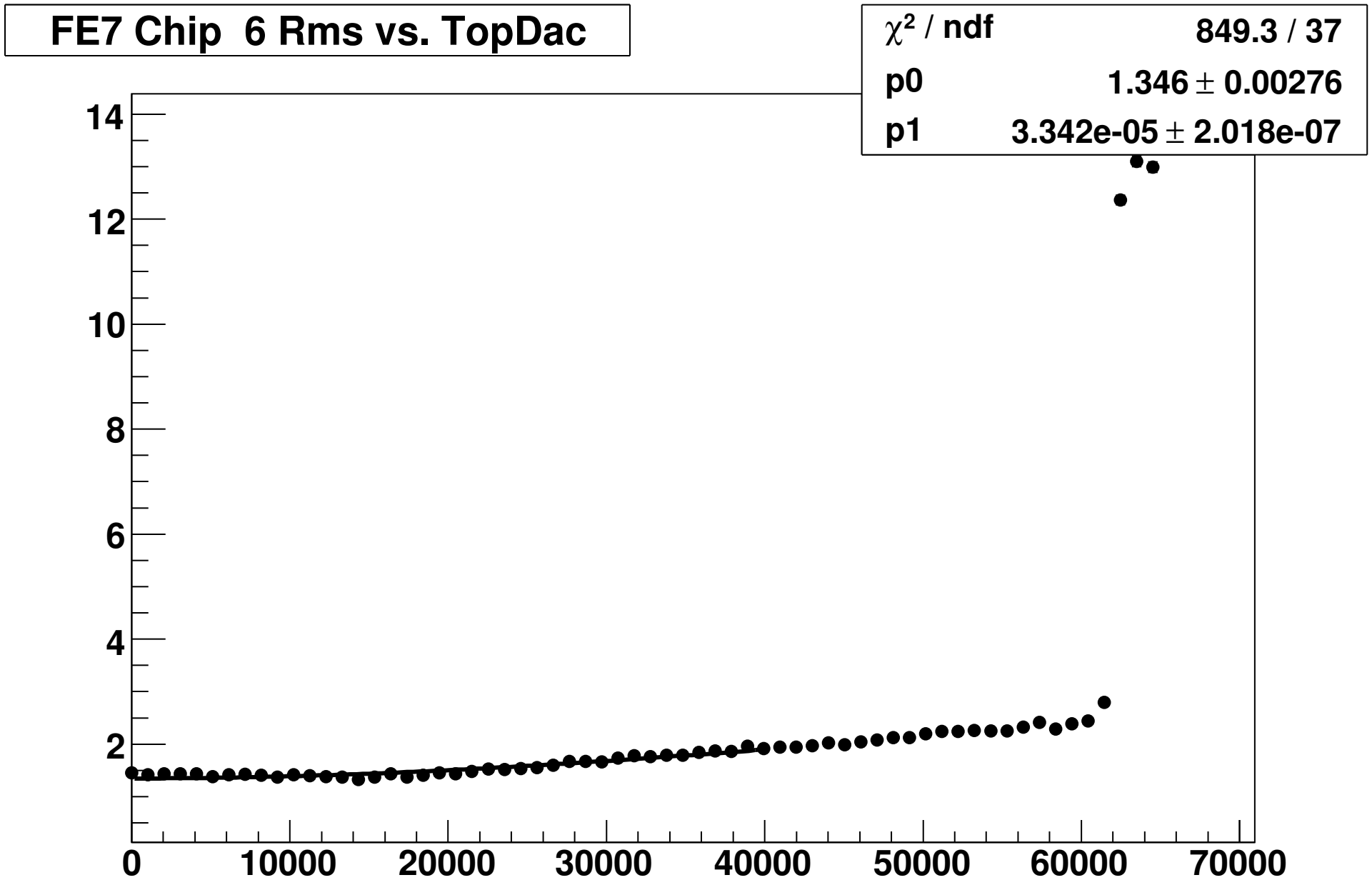
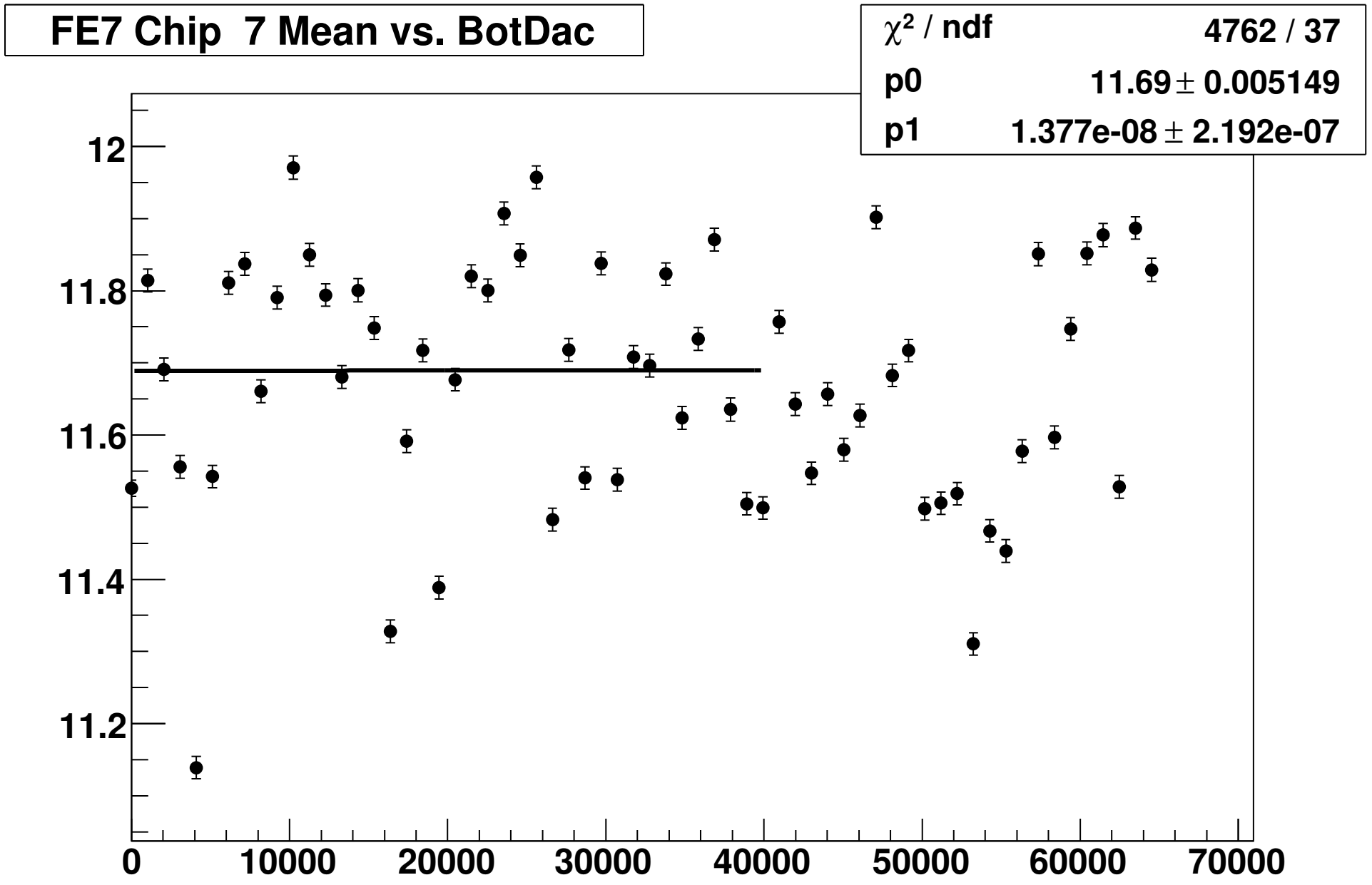
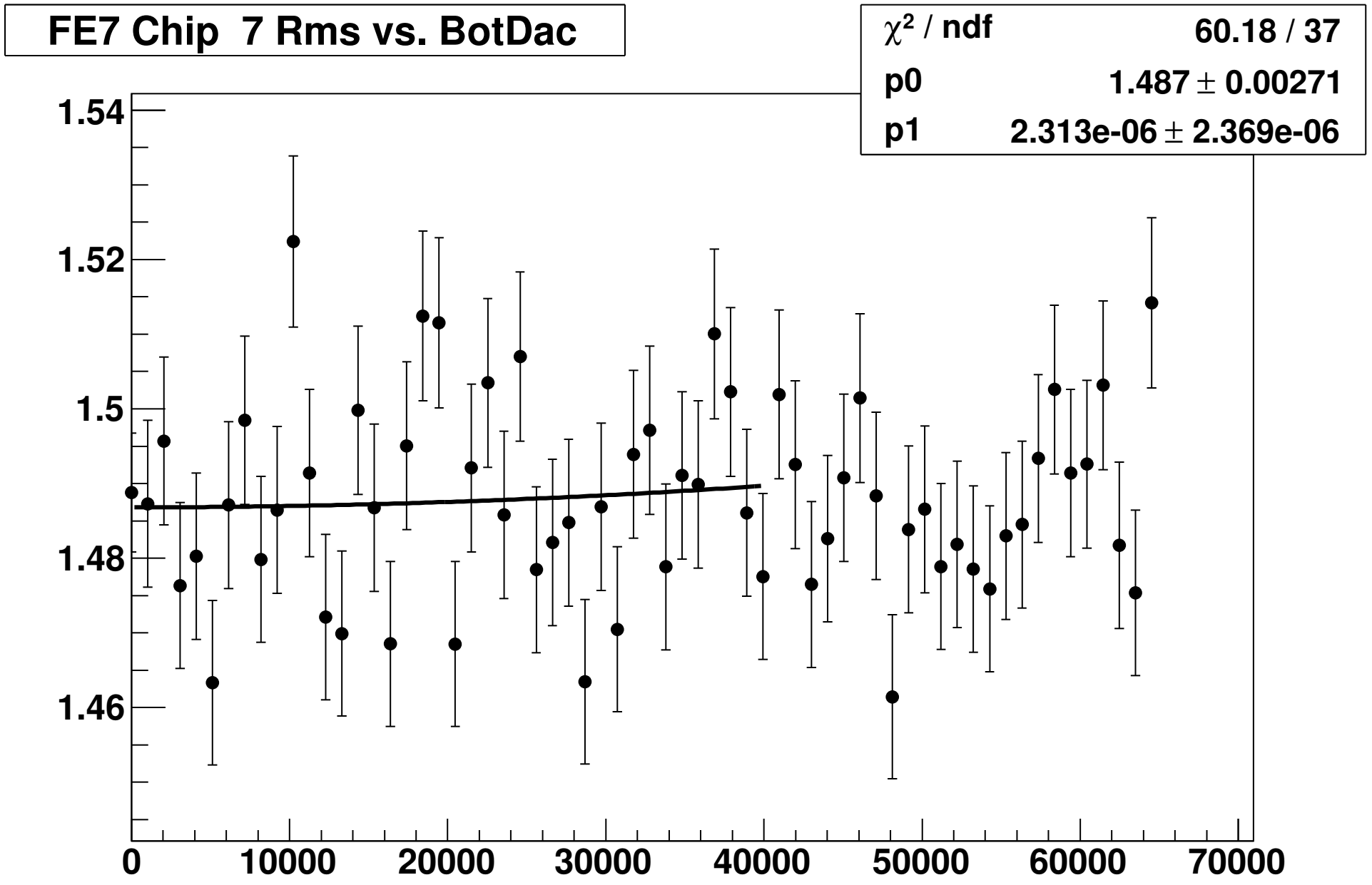

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 4761 / 37
p0 7.331 ± 0.00505
p1 -7.937e-07 ± 2.149e-07
7.6
7.4
7.2
7
6.8
0
10000
20000
30000
40000
50000
60000
70000

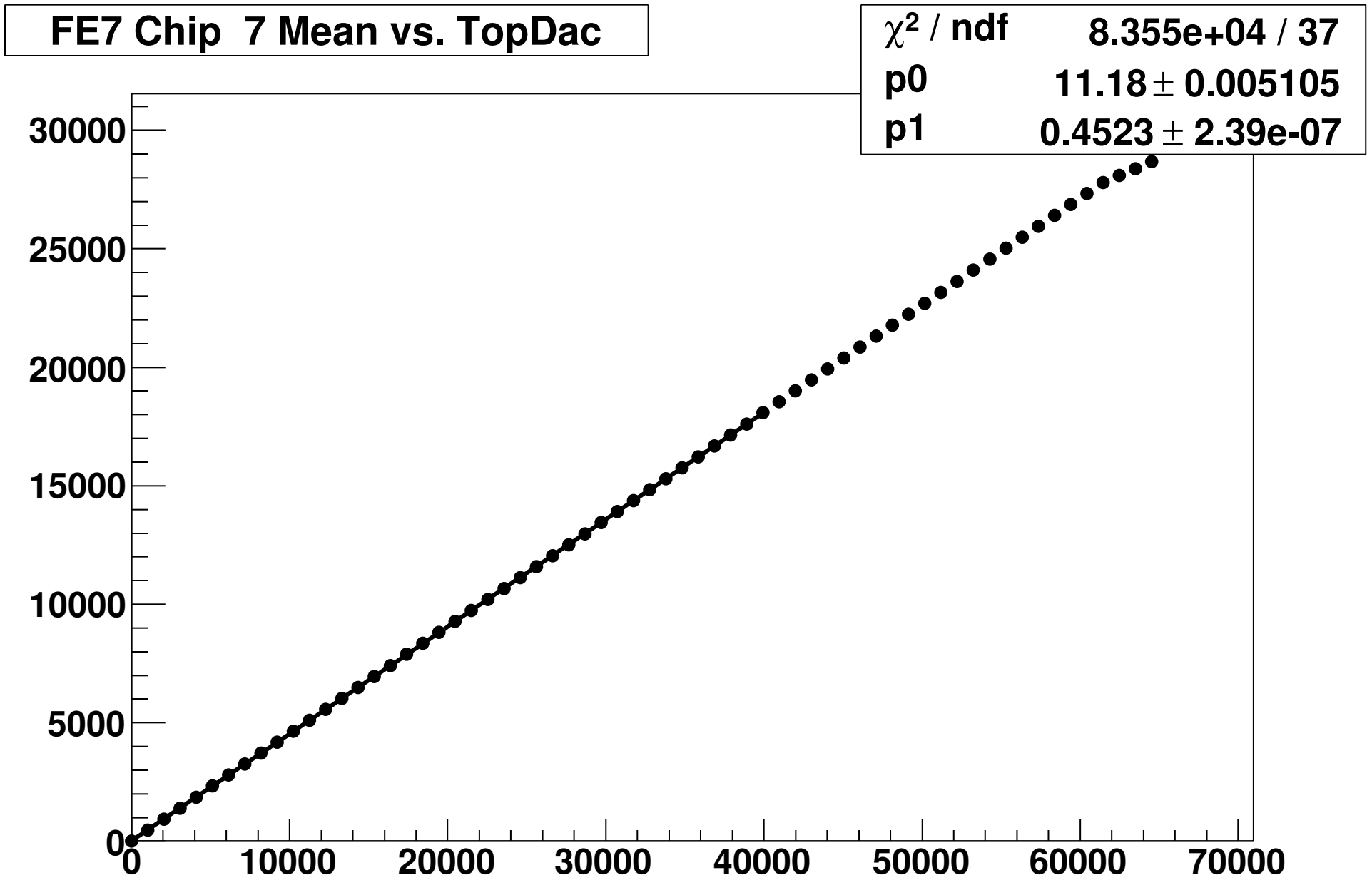

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 38.56 / 37
p0 1.457 ± 0.001752
p1 1.277e-12 ± 5.86e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

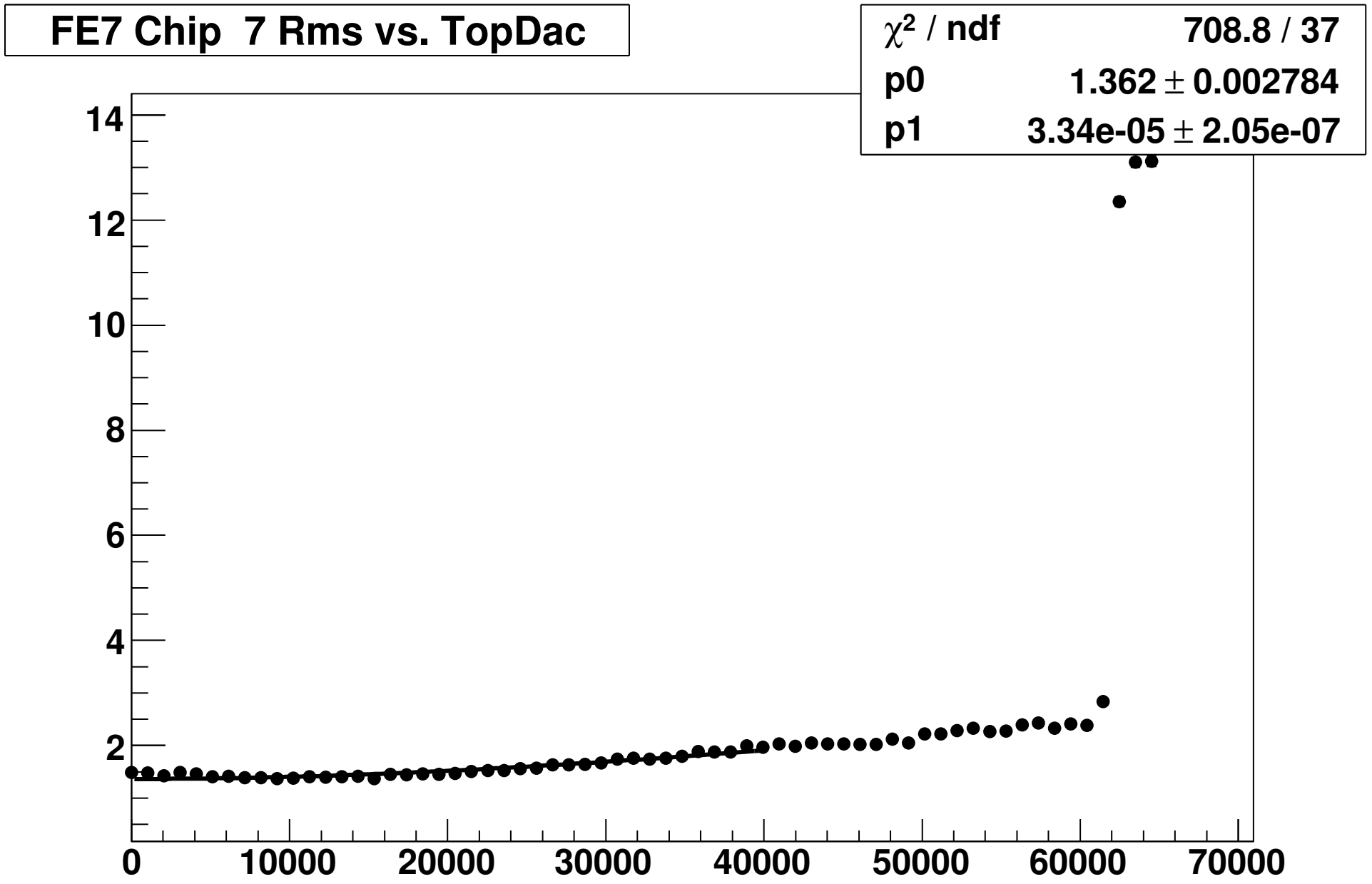

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 6.067e+04 / 37
p0 6.729 ± 0.005054
p1 0.4523 ± 2.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

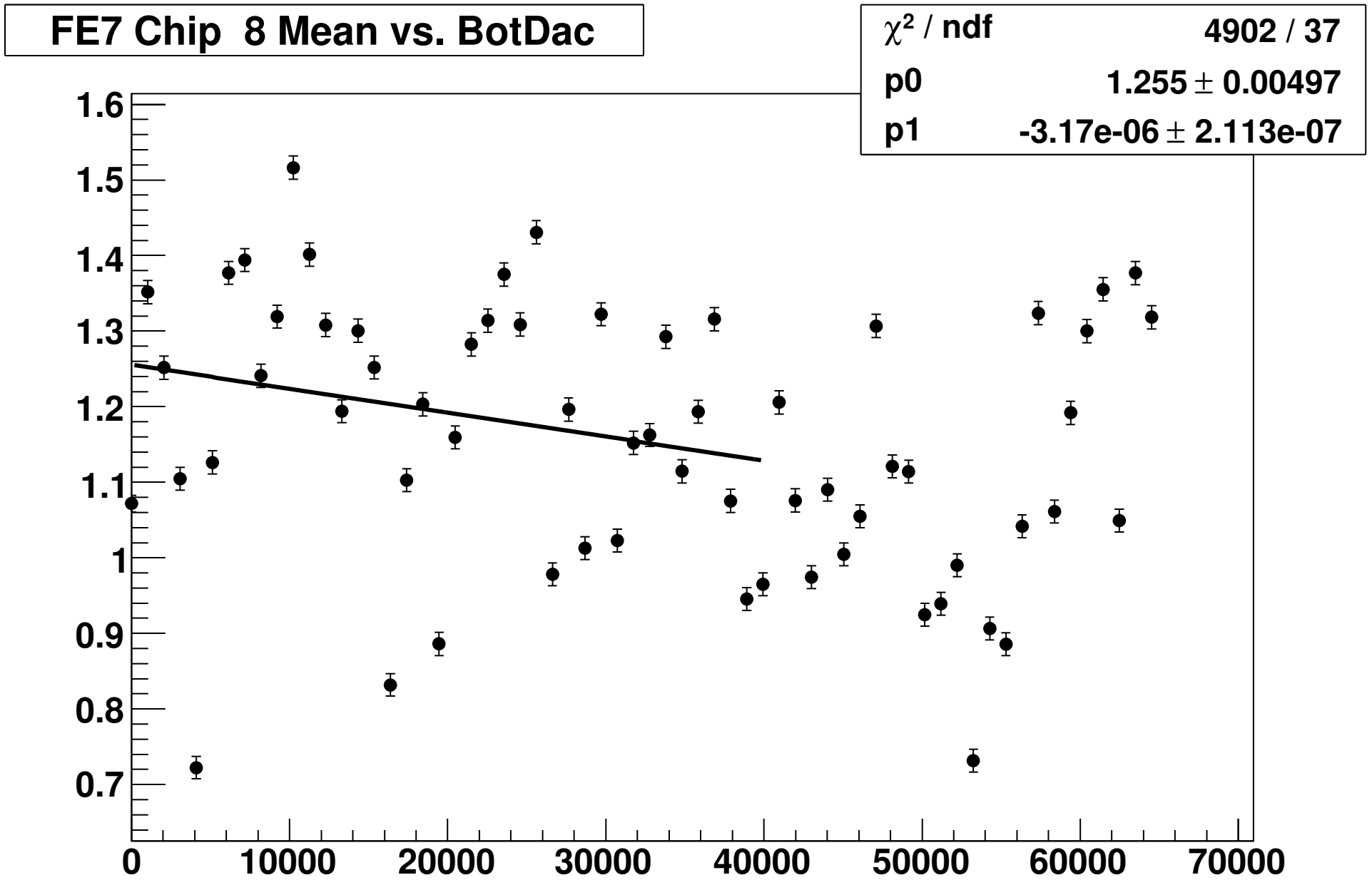

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 849.3 / 37
p0 1.346 ± 0.00276
p1 3.342e-05 ± 2.018e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

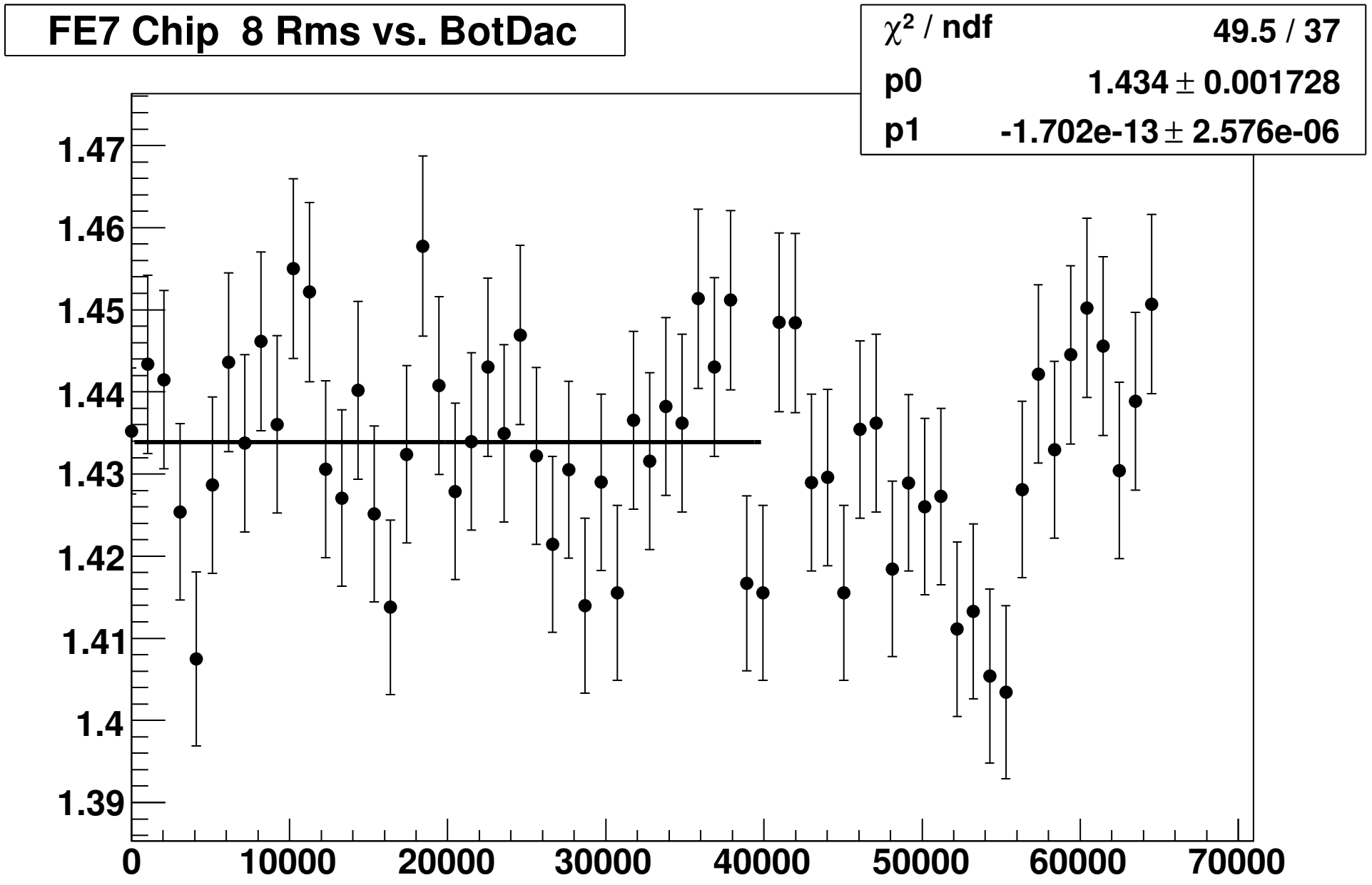

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 4762 / 37
p0 11.69 ± 0.005149
p1 1.377e-08 ± 2.192e-07
12
11.8
11.6
11.4
11.2
0
10000
20000
30000
40000
50000
60000
70000

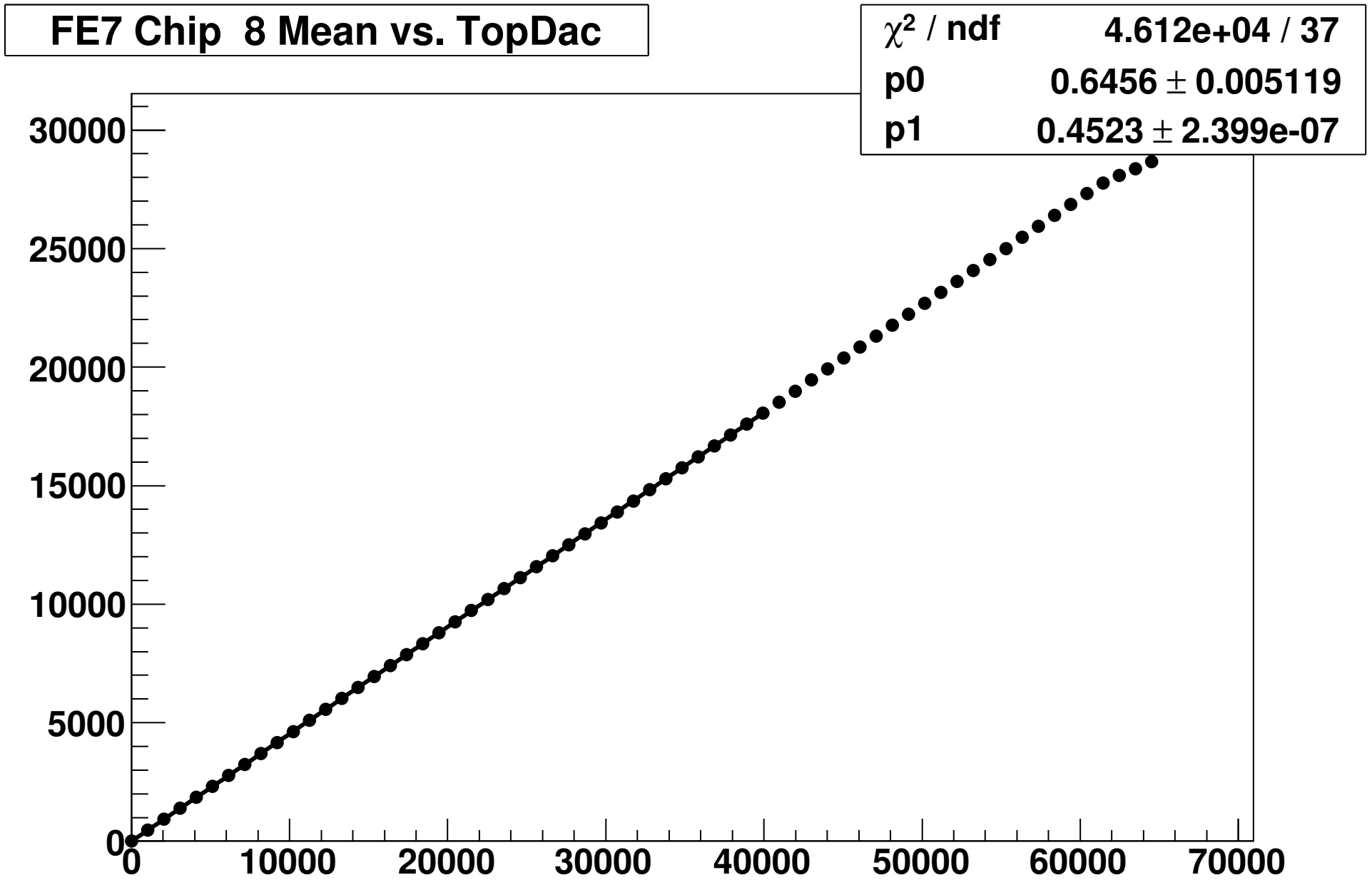

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 60.18 / 37
p0 1.487 ± 0.00271
p1 2.313e-06 ± 2.369e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

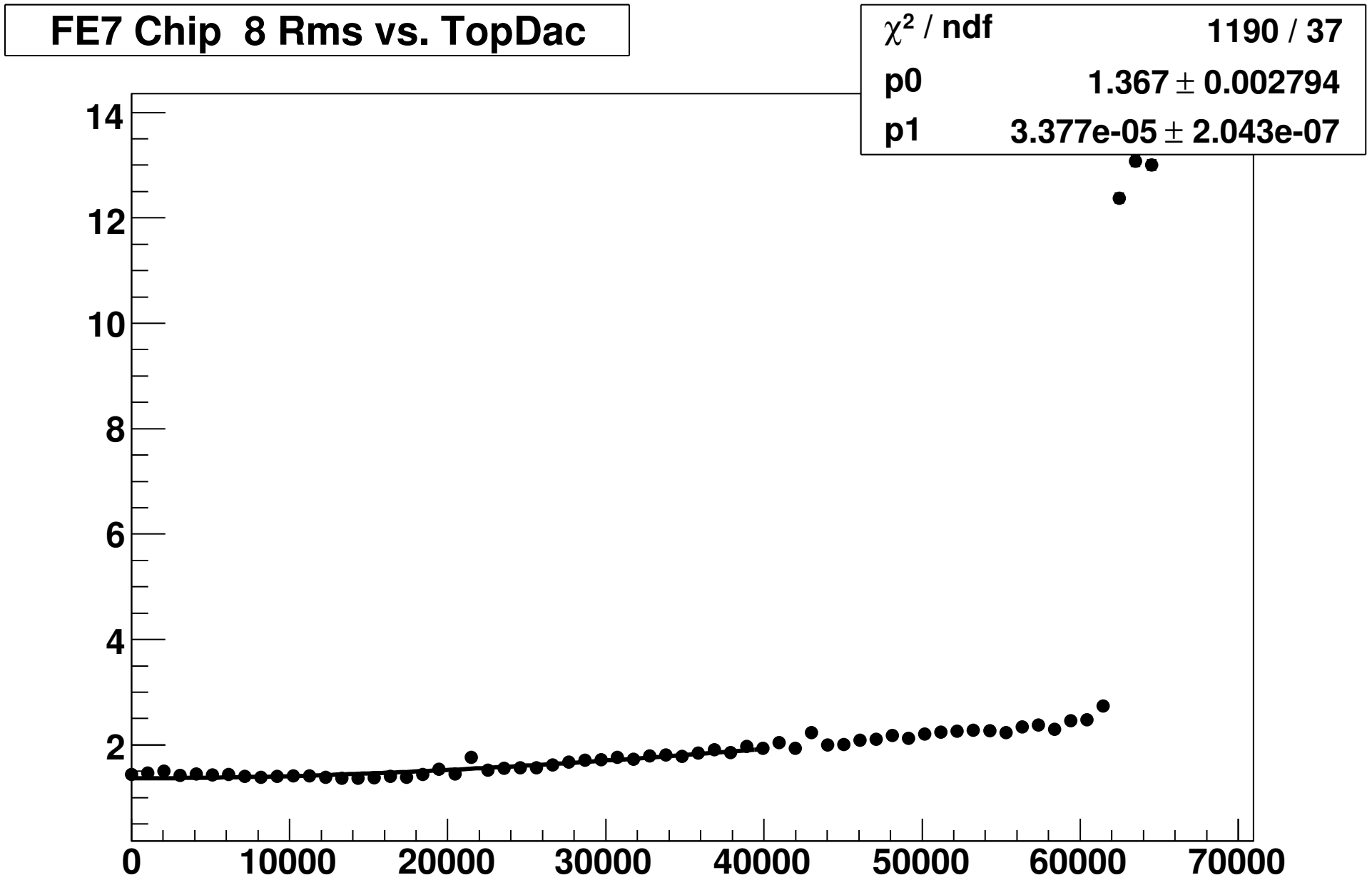

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 8.355e+04 / 37
p0 11.18 ± 0.005105
p1 0.4523 ± 2.39e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

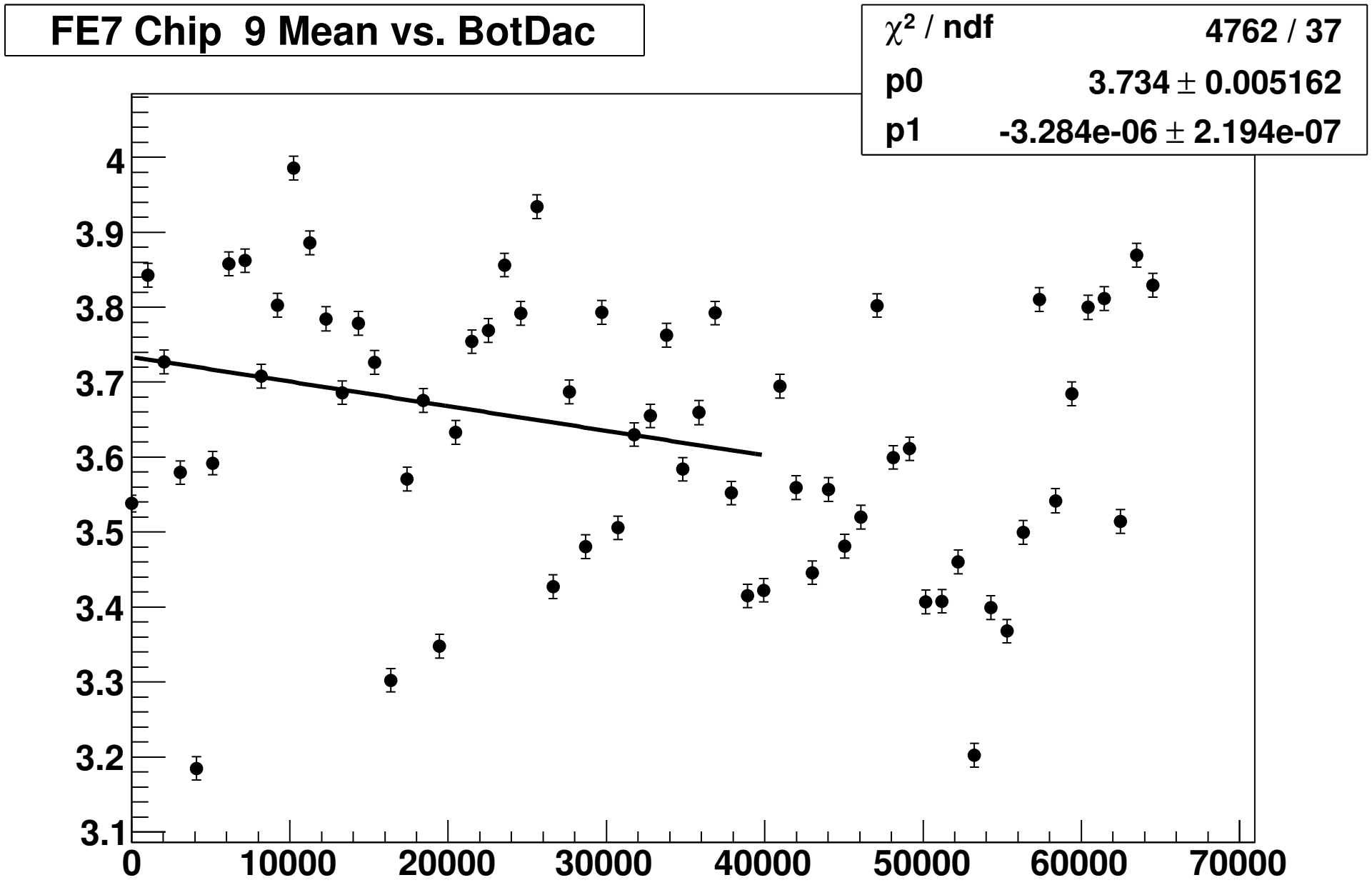

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 708.8 / 37
p0 1.362 ± 0.002784
p1 3.34e-05 ± 2.05e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

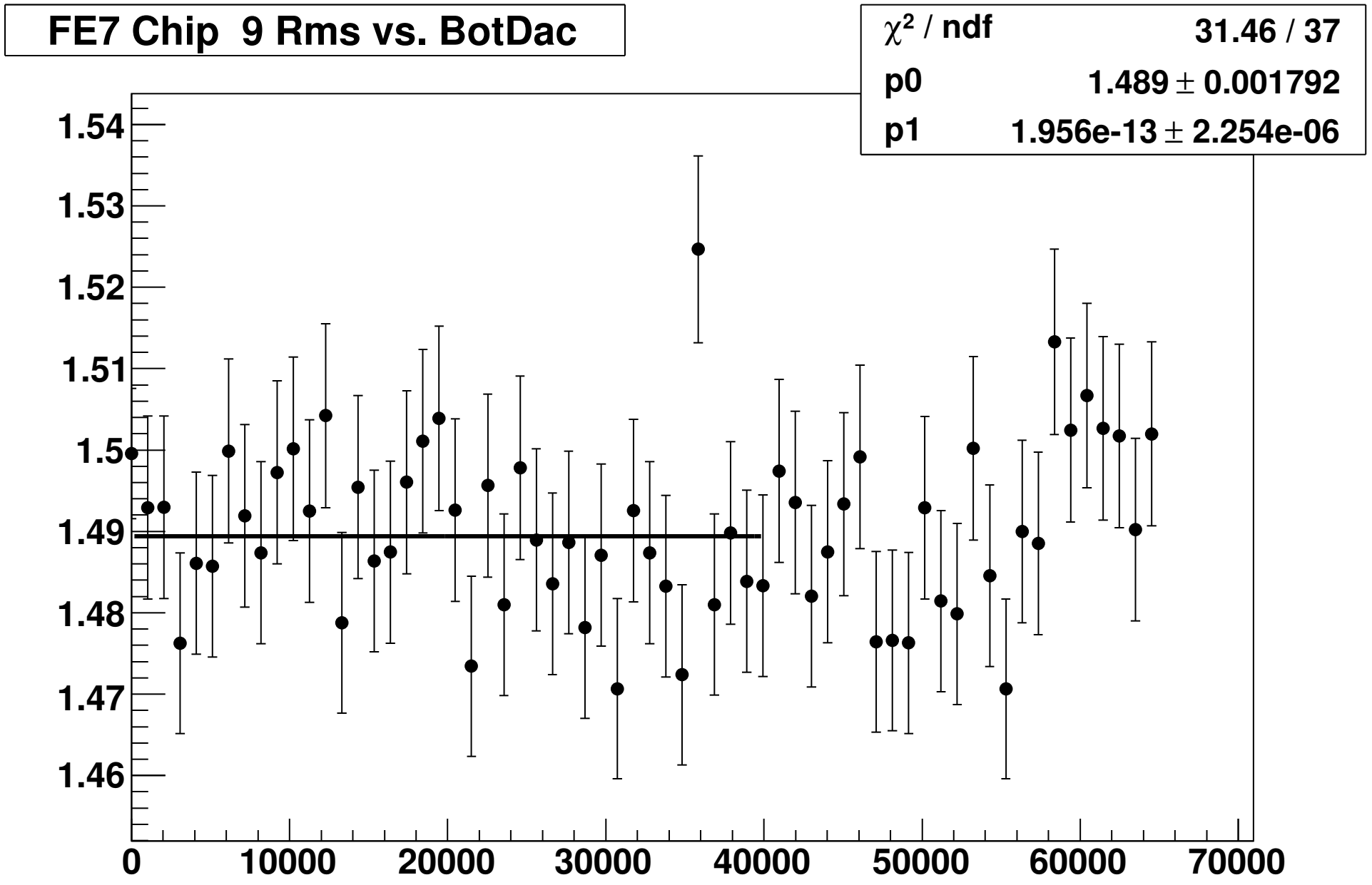

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 4902 / 37
p0 1.255 ± 0.00497
p1 -3.17e-06 ± 2.113e-07
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0
10000
20000
30000
40000
50000
60000
70000

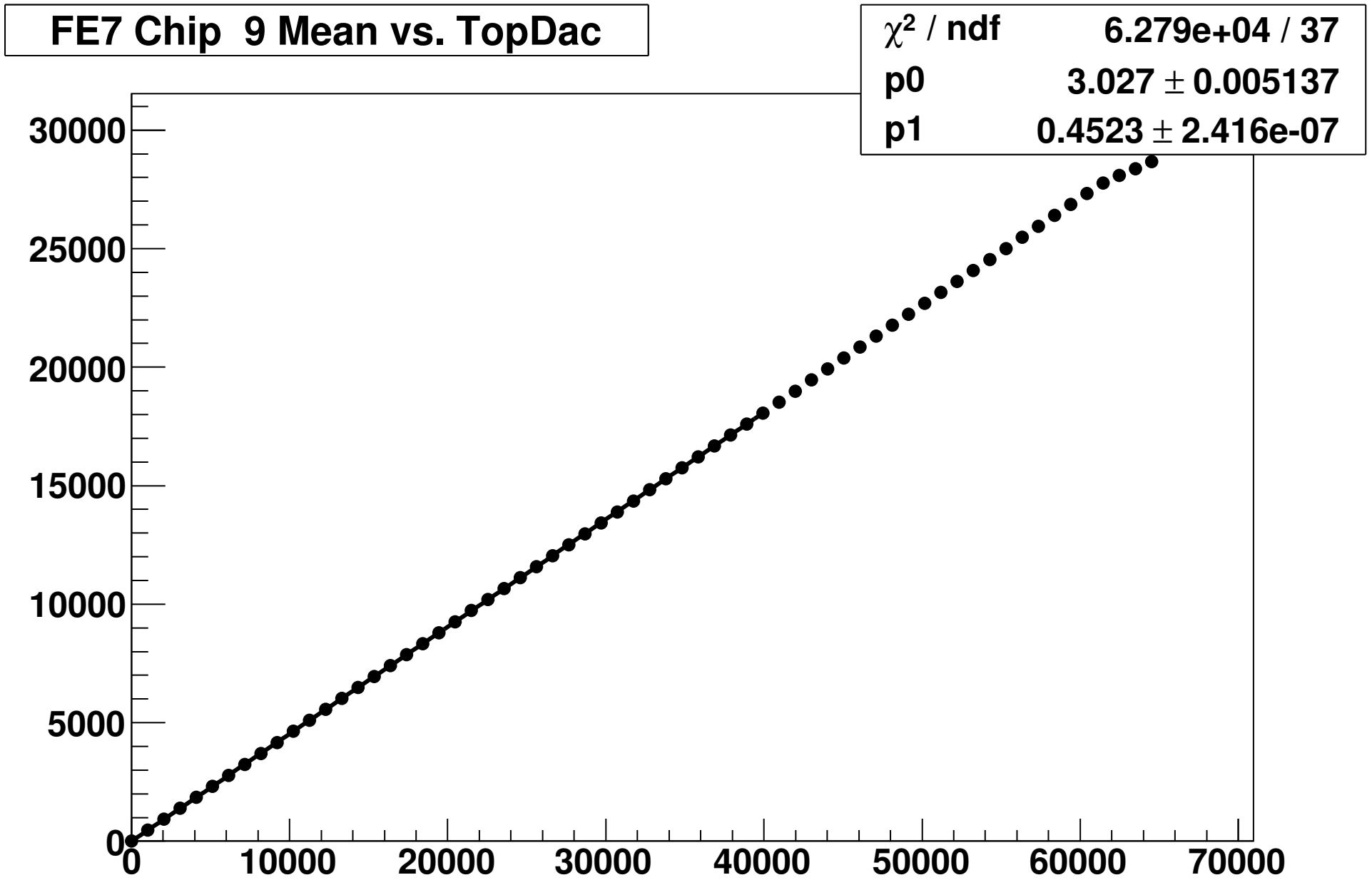

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 49.5 / 37
p0 1.434 ± 0.001728
p1 -1.702e-13 ± 2.576e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000
70000

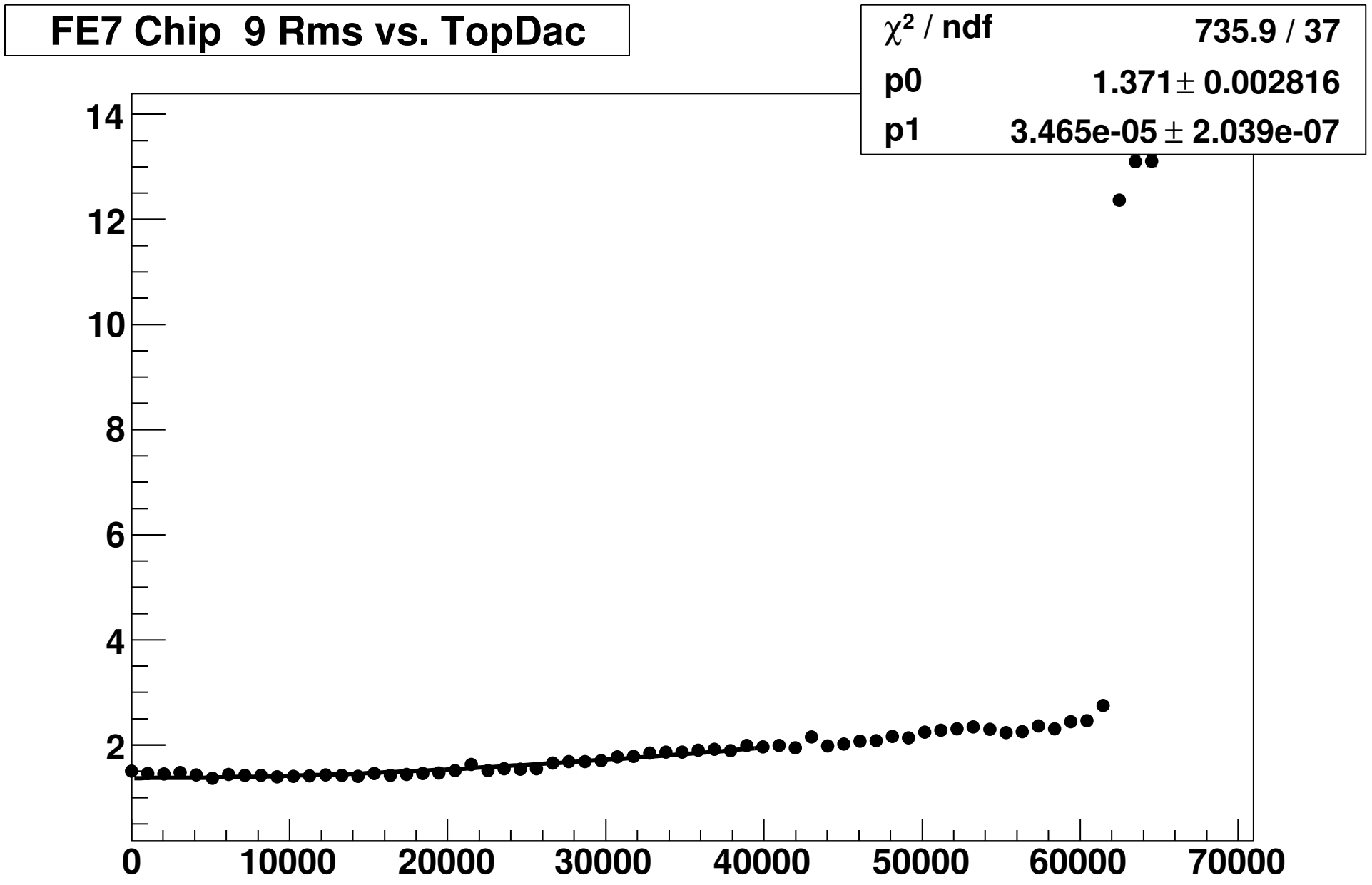

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 4.612e+04 / 37
p0 0.6456 ± 0.005119
p1 0.4523 ± 2.399e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

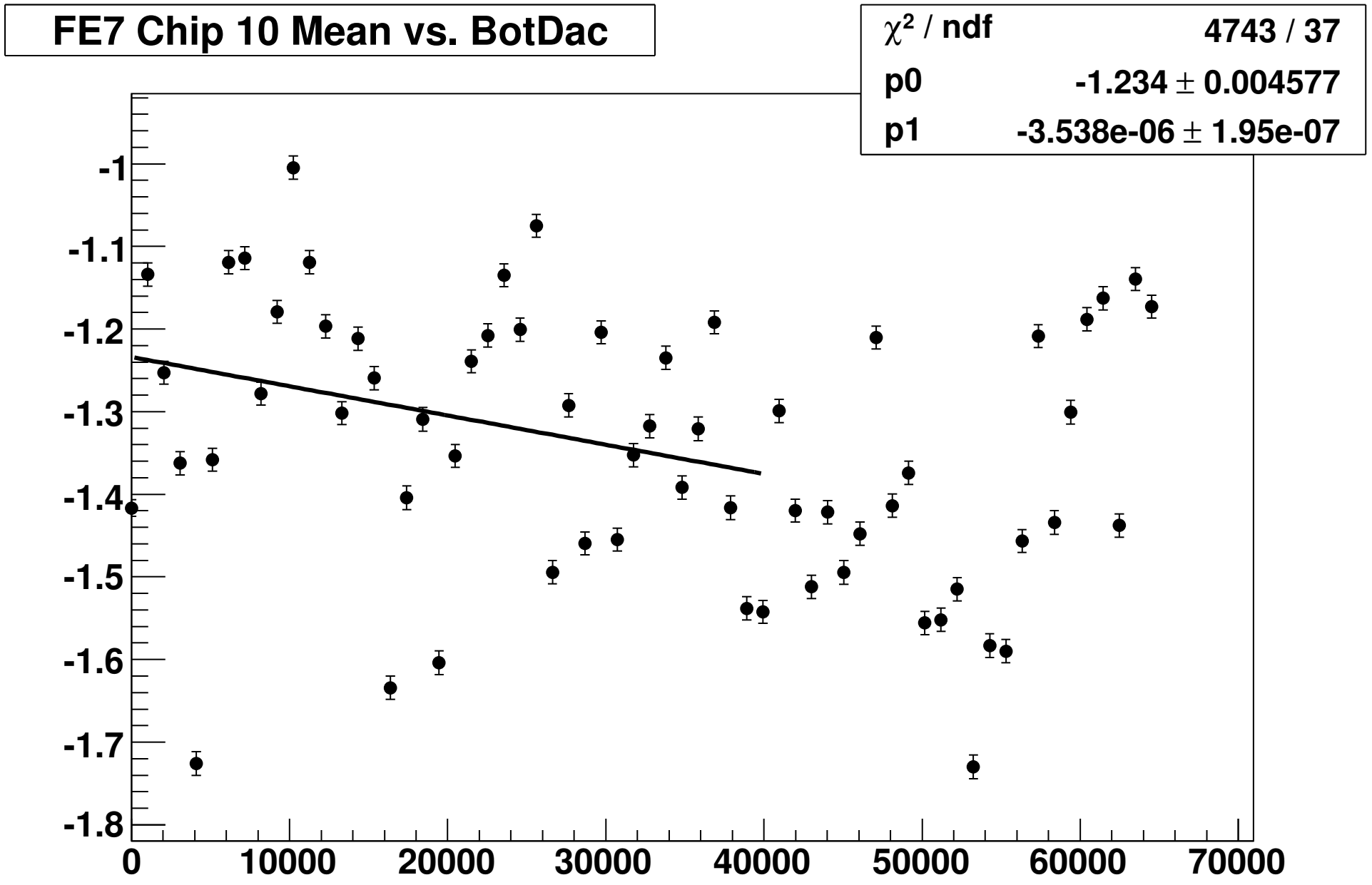

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 1190 / 37
p0 1.367 ± 0.002794
p1 3.377e-05 ± 2.043e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

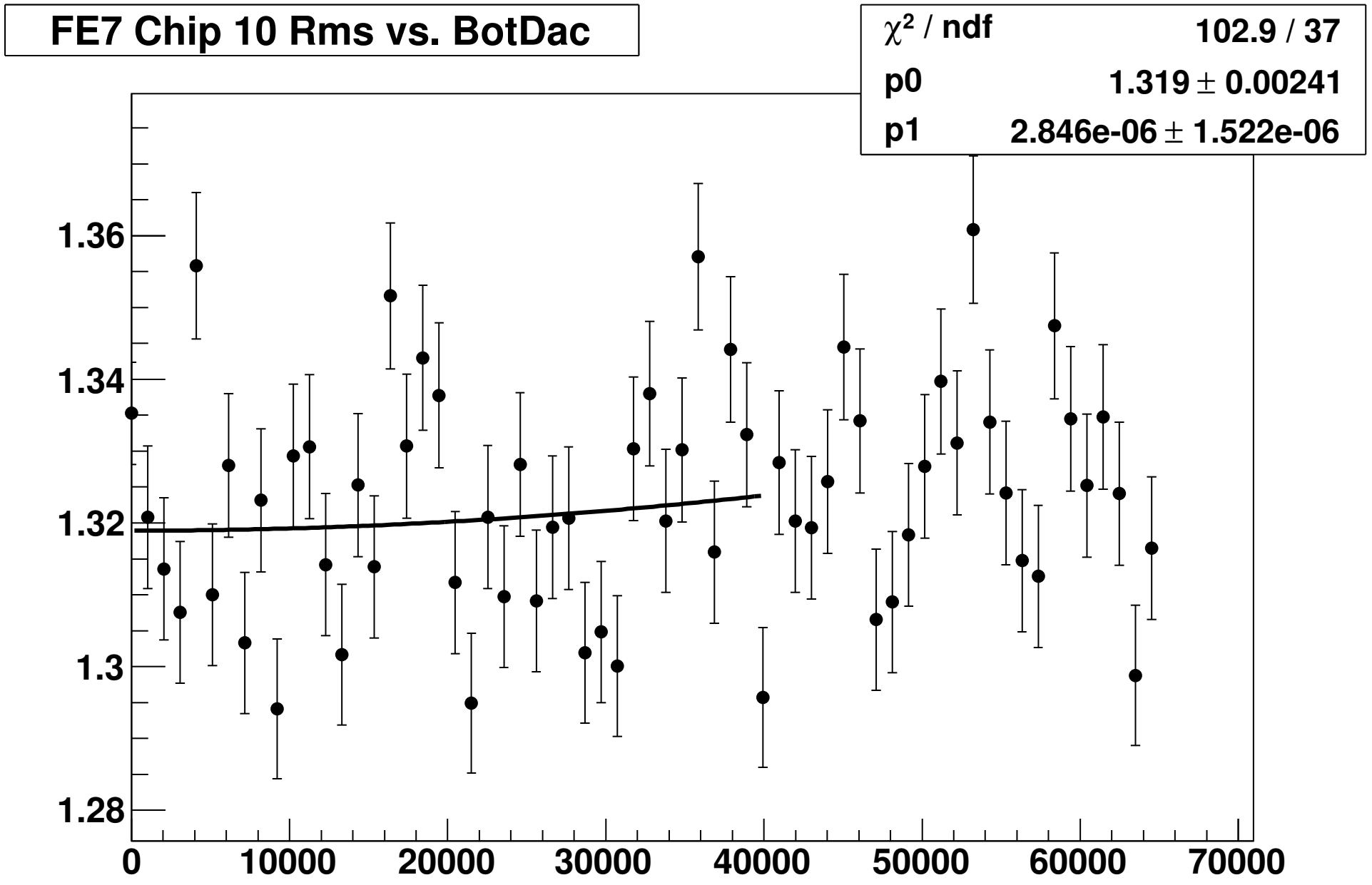

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 4762 / 37
p0 3.734 ± 0.005162
p1 -3.284e-06 ± 2.194e-07
4
3.9
3.8
3.7
3.6
3.5
3.4
3.3
3.2
3.1
0
10000
20000
30000
40000
50000
60000
70000

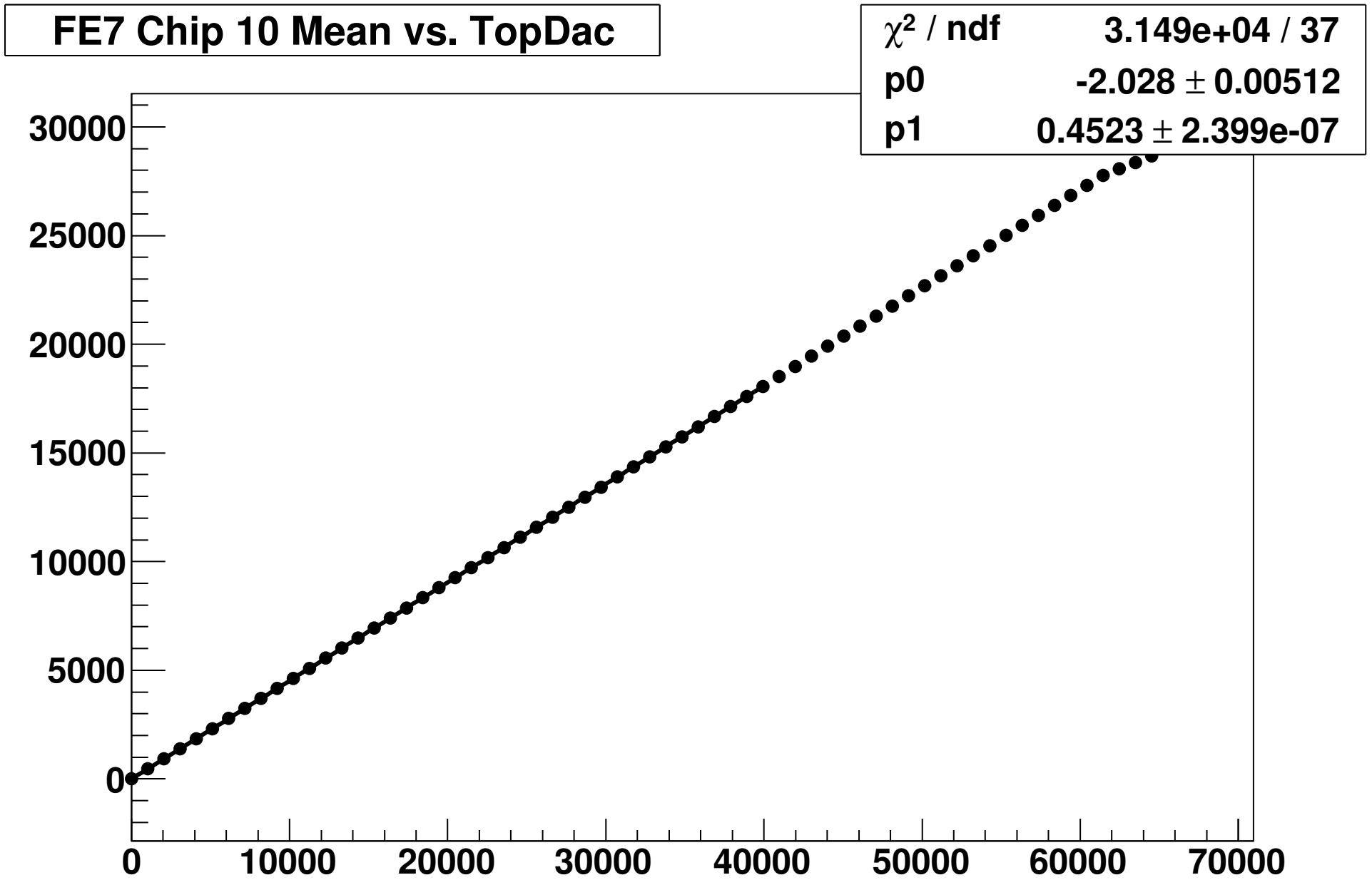

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 31.46 / 37
p0 1.489 ± 0.001792
p1 1.956e-13 ± 2.254e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

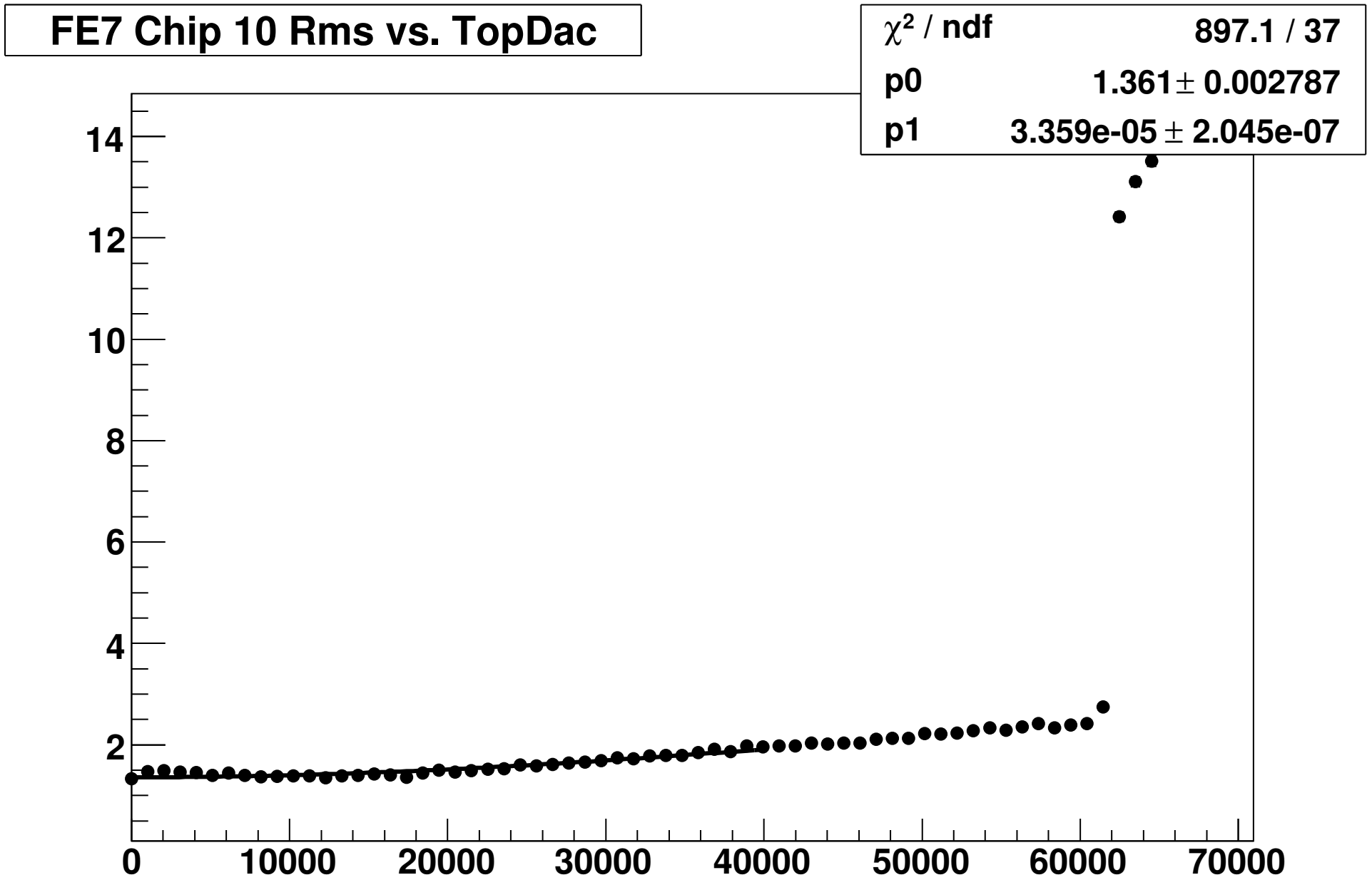

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 6.279e+04 / 37
p0 3.027 ± 0.005137
p1 0.4523 ± 2.416e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

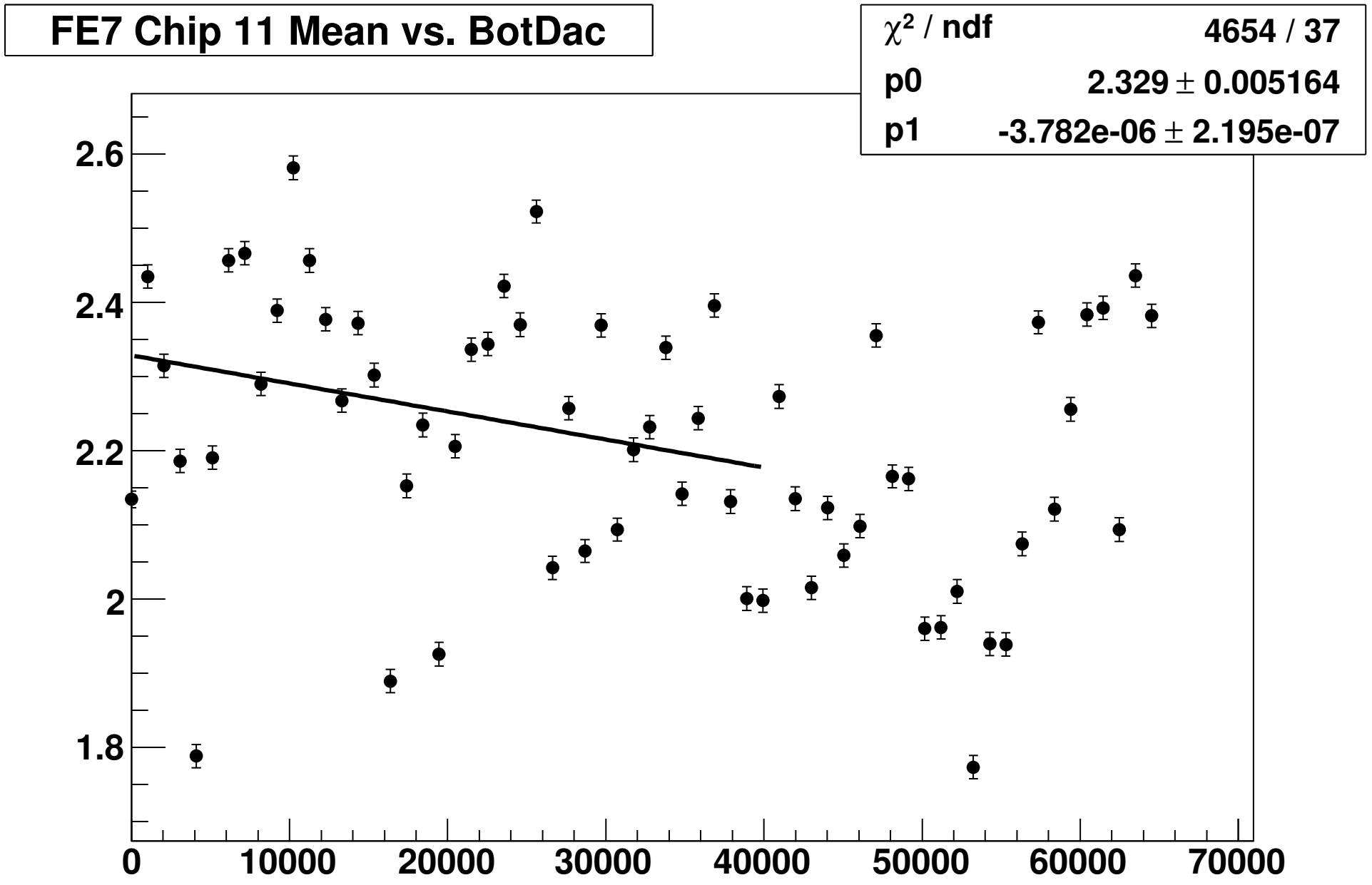

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 735.9 / 37
p0 1.371 ± 0.002816
p1 3.465e-05 ± 2.039e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

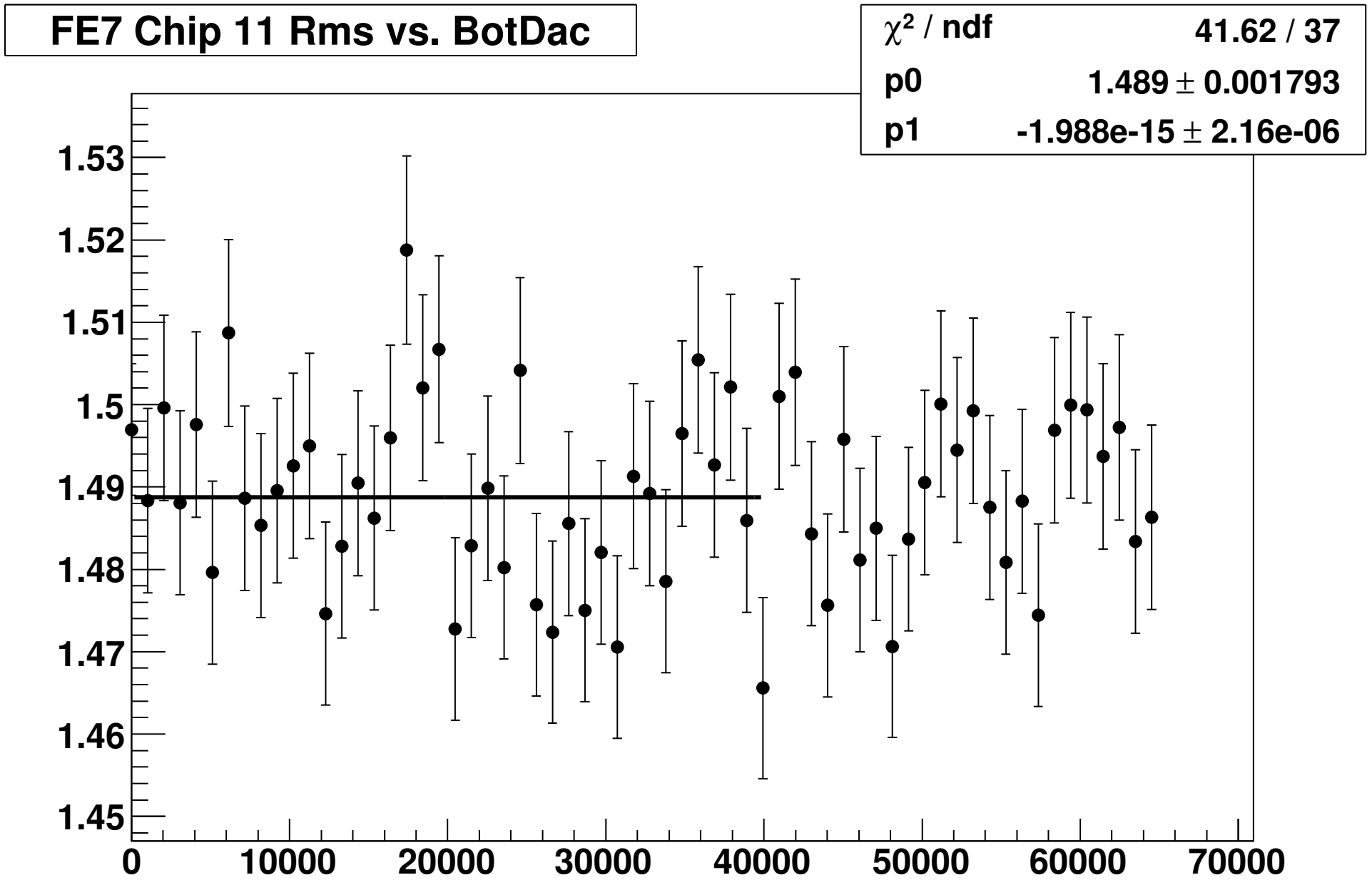

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 4743 / 37
p0 -1.234 ± 0.004577
p1 -3.538e-06 ± 1.95e-07
-1
-1.1
-1.2
-1.3
-1.4
-1.5
-1.6
-1.7
-1.8
0
10000
20000
30000
40000
50000
60000
70000

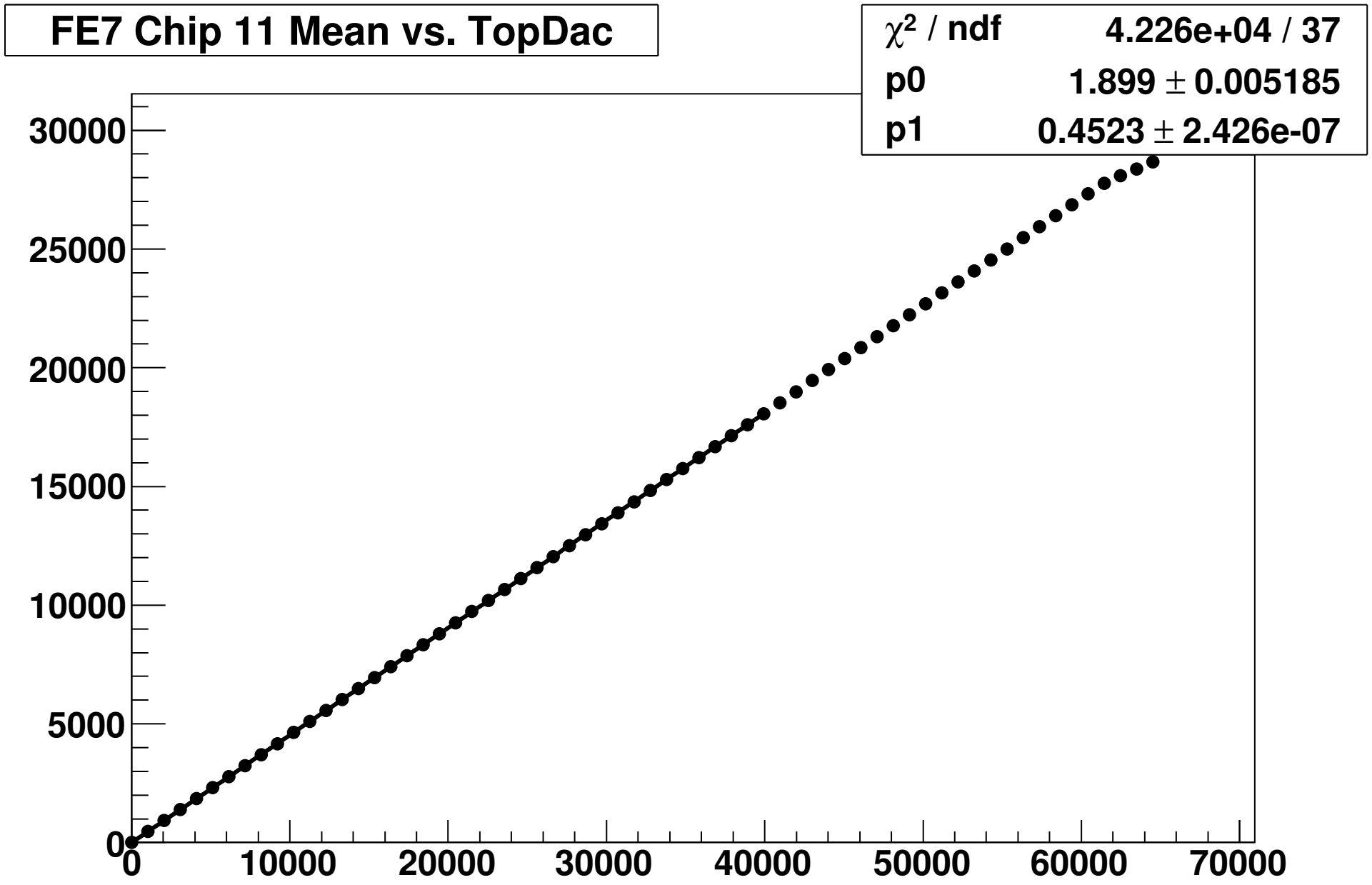

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 102.9 / 37
p0 1.319 ± 0.00241
p1 2.846e-06 ± 1.522e-06
1.36
1.34
1.32
1.3
1.28
0
10000
20000
30000
40000
50000
60000
70000

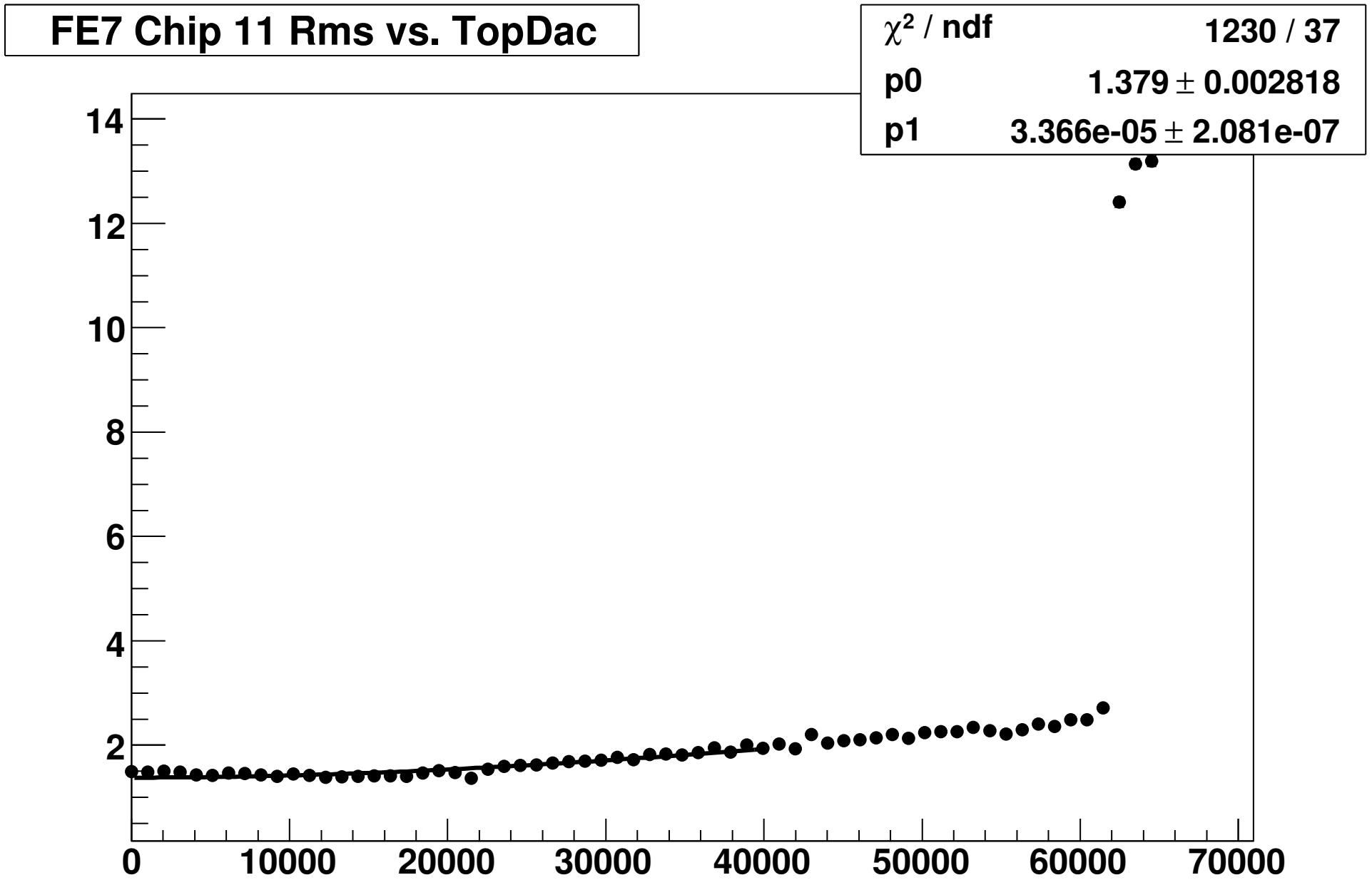

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 3.149e+04 / 37
p0 -2.028 ± 0.00512
p1 0.4523 ± 2.399e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

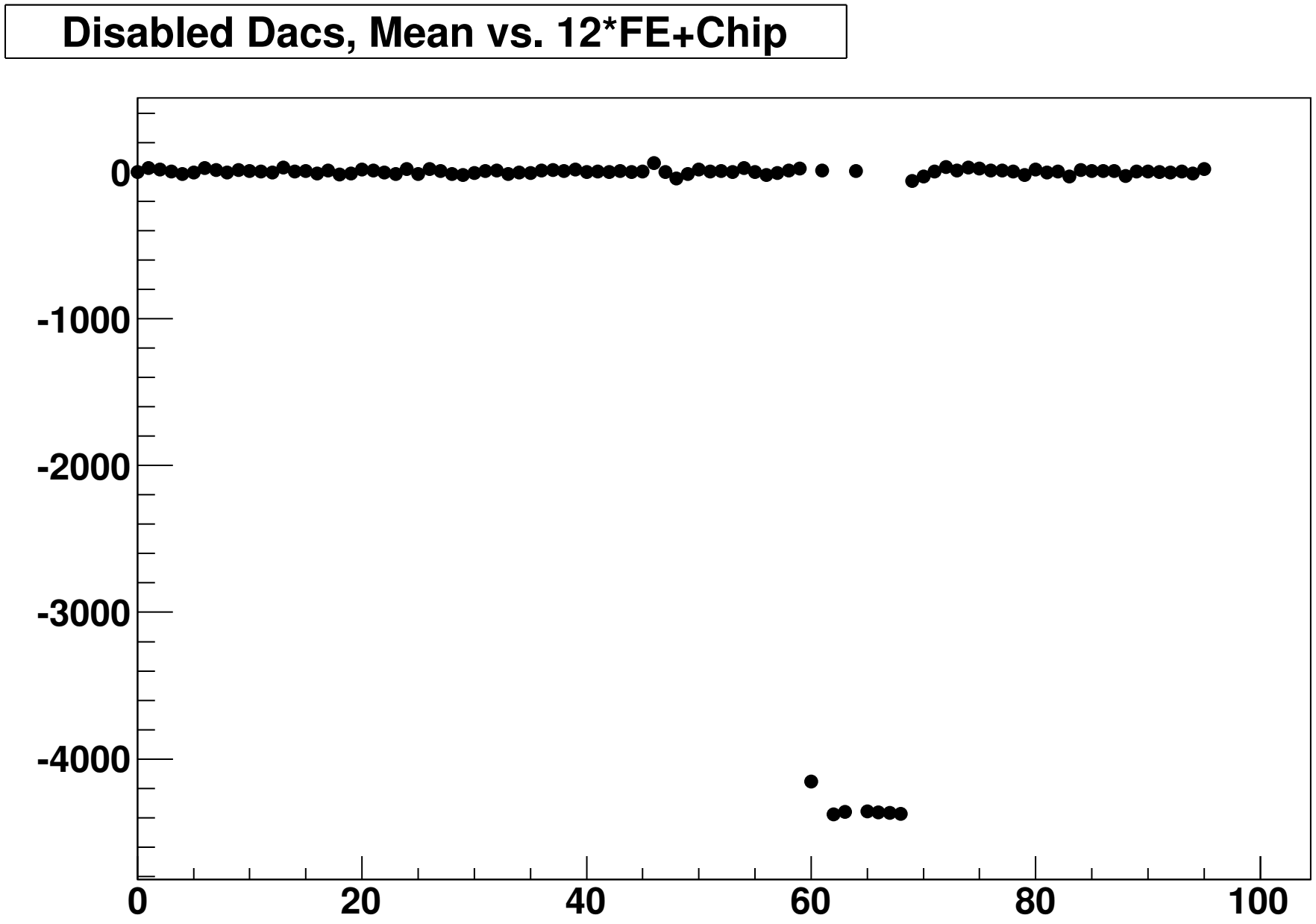

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 897.1 / 37
p0 1.361 ± 0.002787
p1 3.359e-05 ± 2.045e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

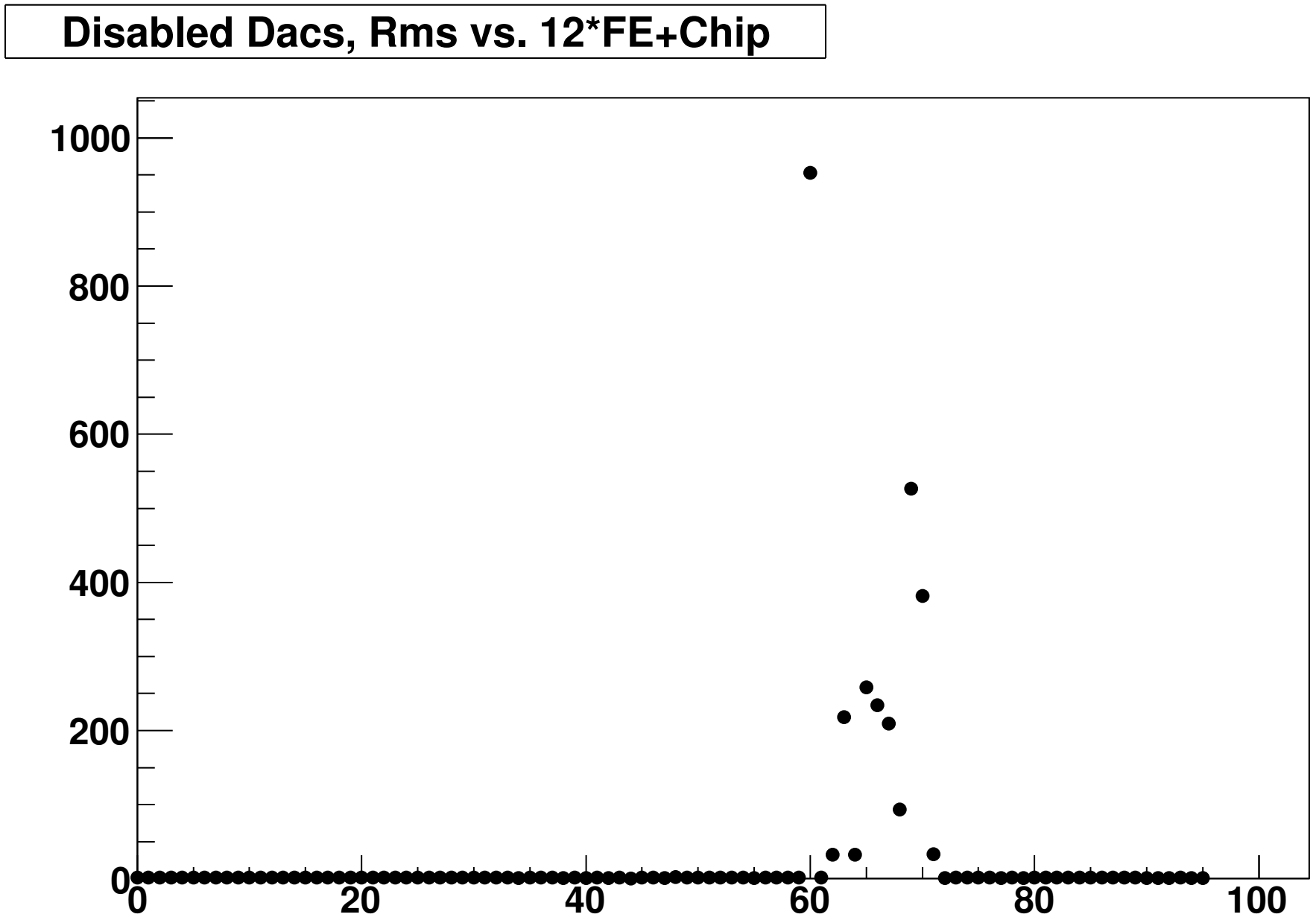

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 4654 / 37
p0 2.329 ± 0.005164
p1 -3.782e-06 ± 2.195e-07
2.6
2.4
2.2
2
1.8
0
10000
20000
30000
40000
50000
60000
70000

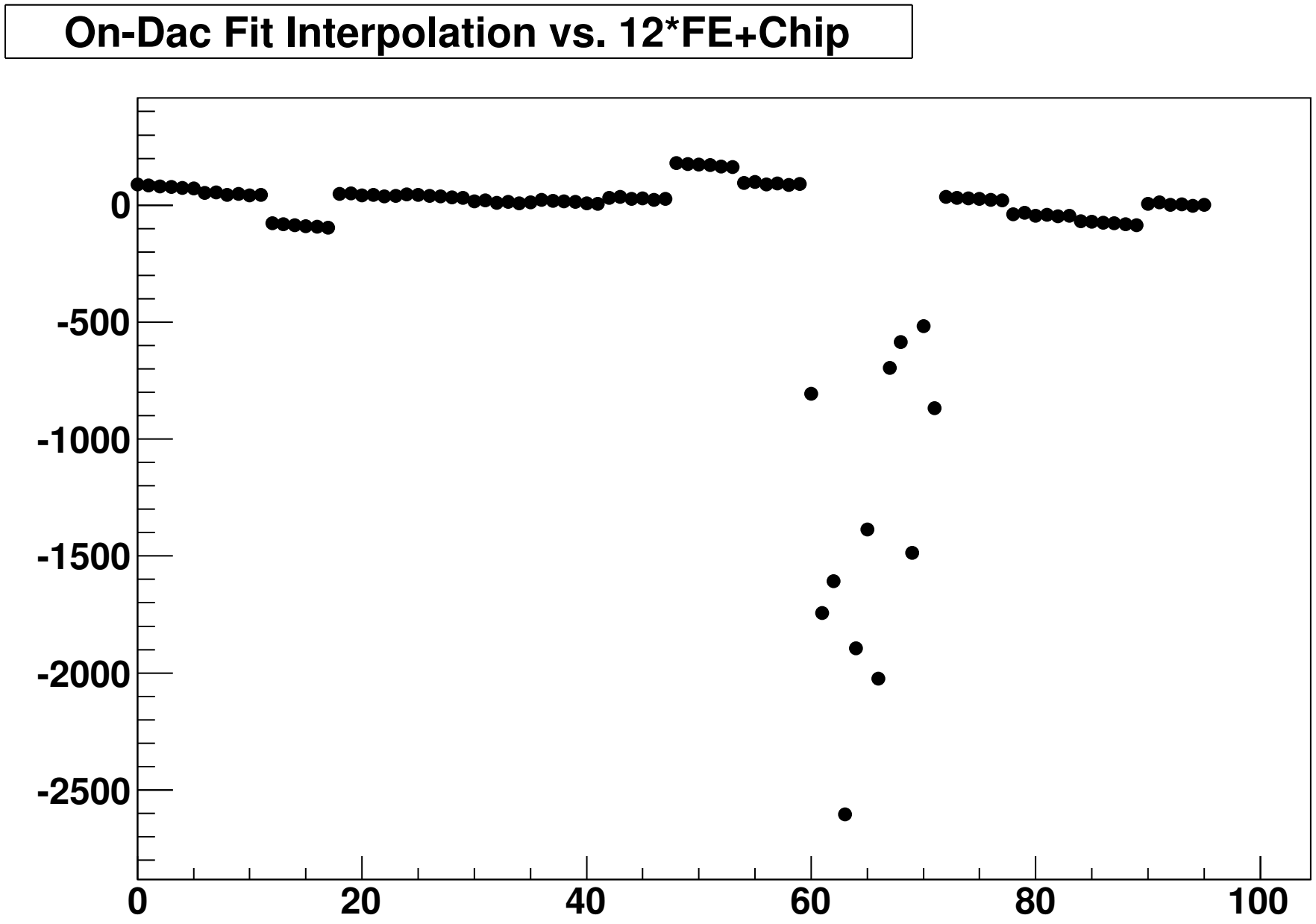

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 41.62 / 37
p0 1.489 ± 0.001793
p1 -1.988e-15 ± 2.16e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

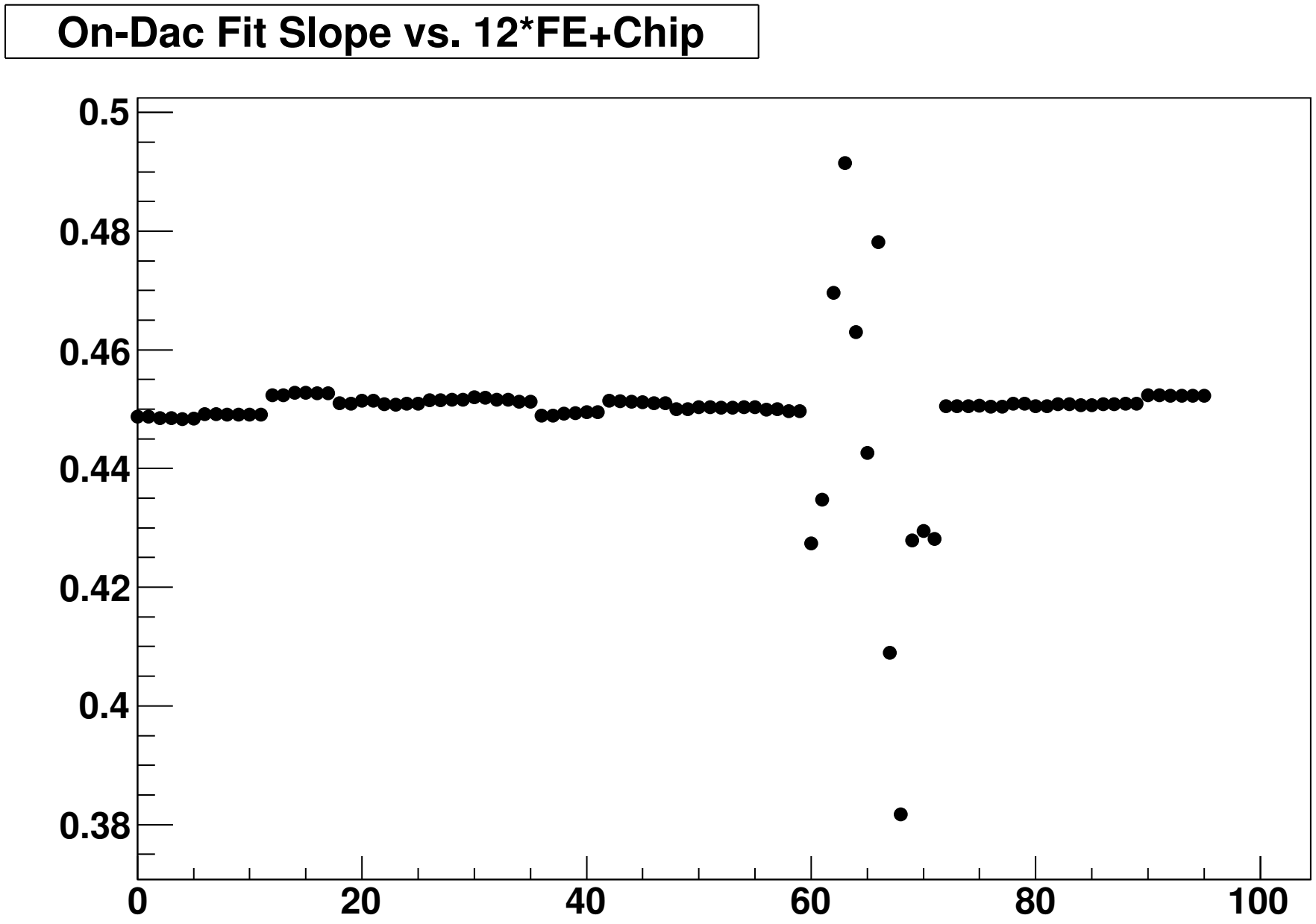

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 4.226e+04 / 37
p0 1.899 ± 0.005185
p1 0.4523 ± 2.426e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

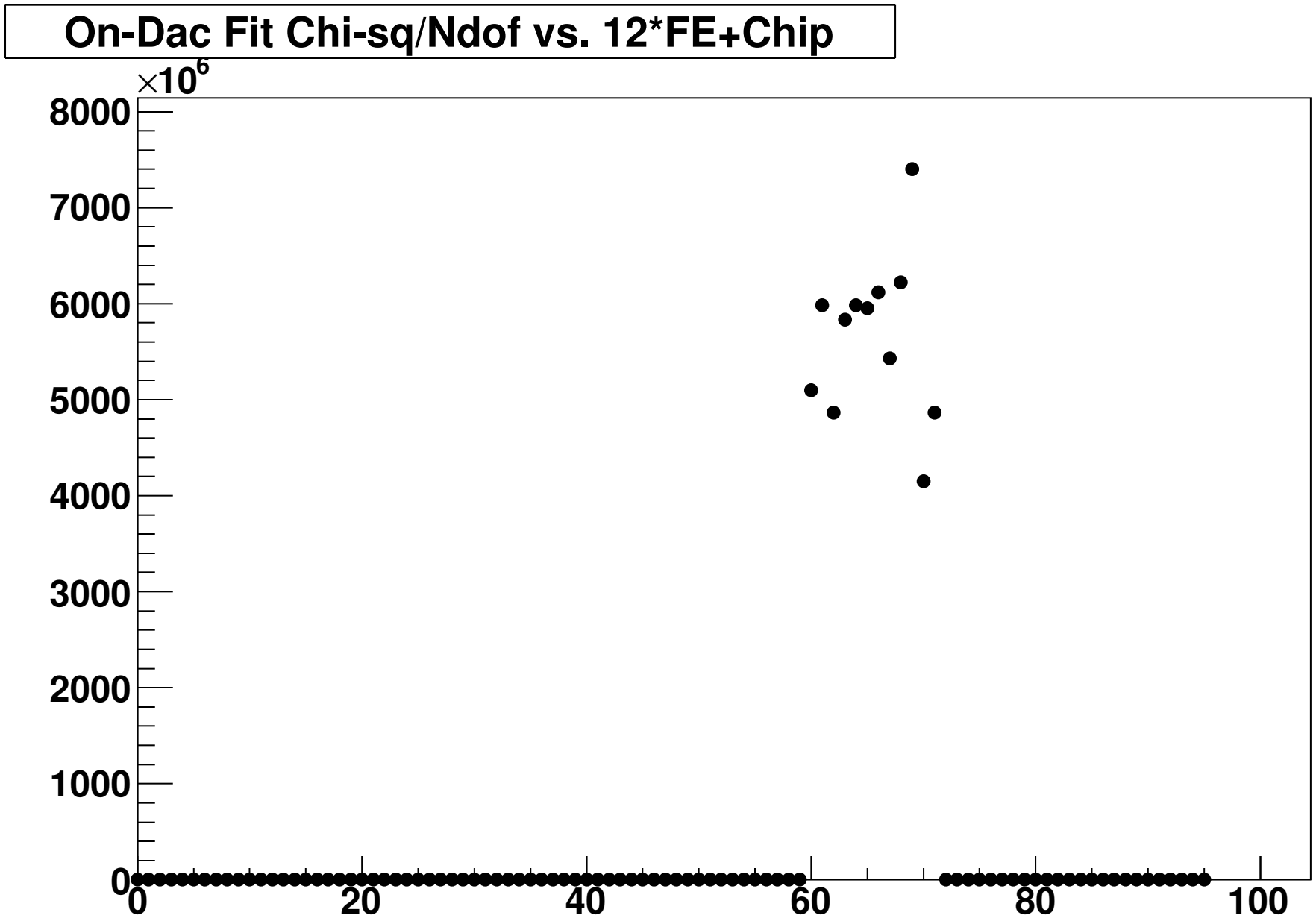

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1230 / 37
p0 1.379 ± 0.002818
p1 3.366e-05 ± 2.081e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

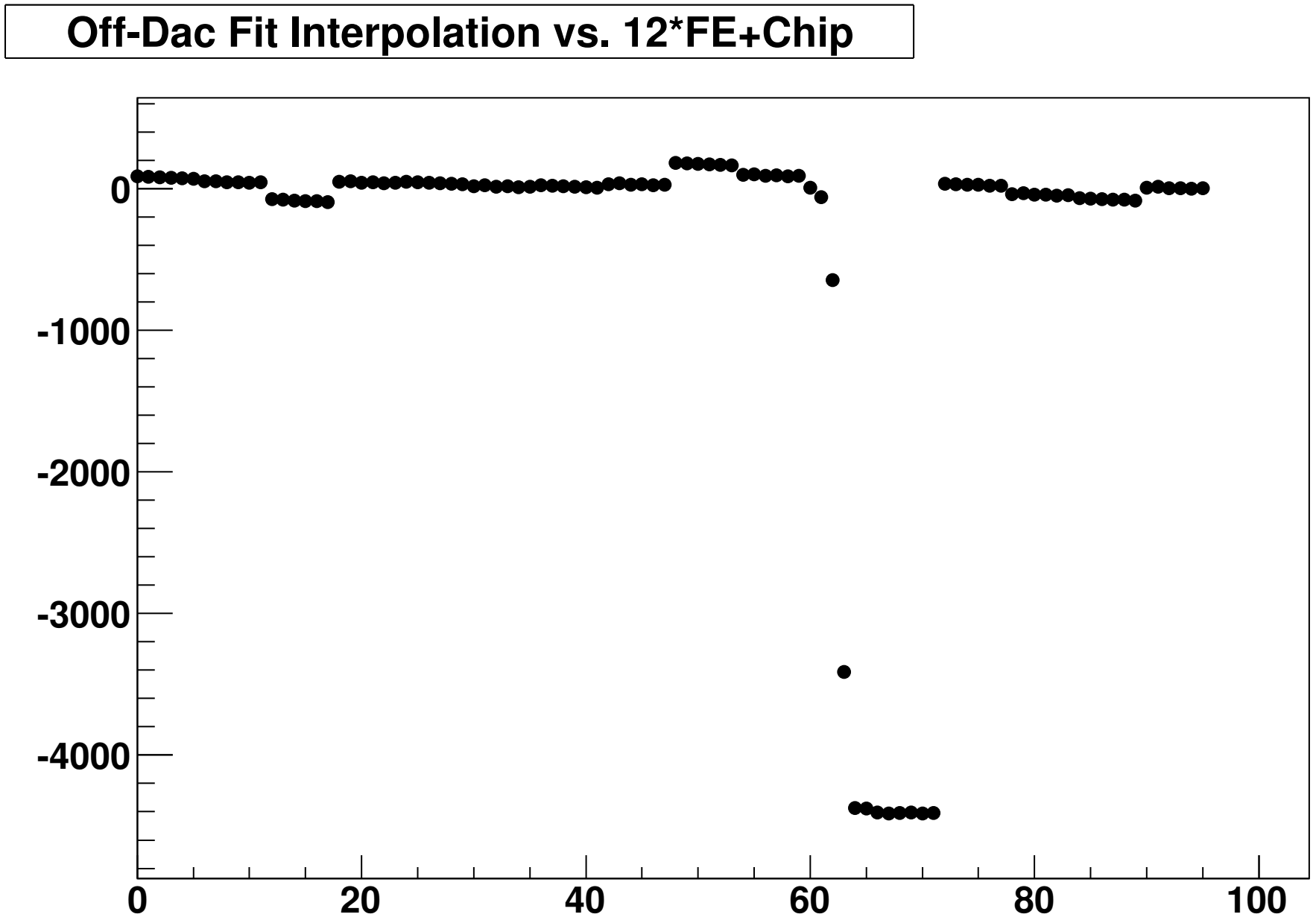

Disabled Dacs, Mean vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
0
20
40
60
80
100

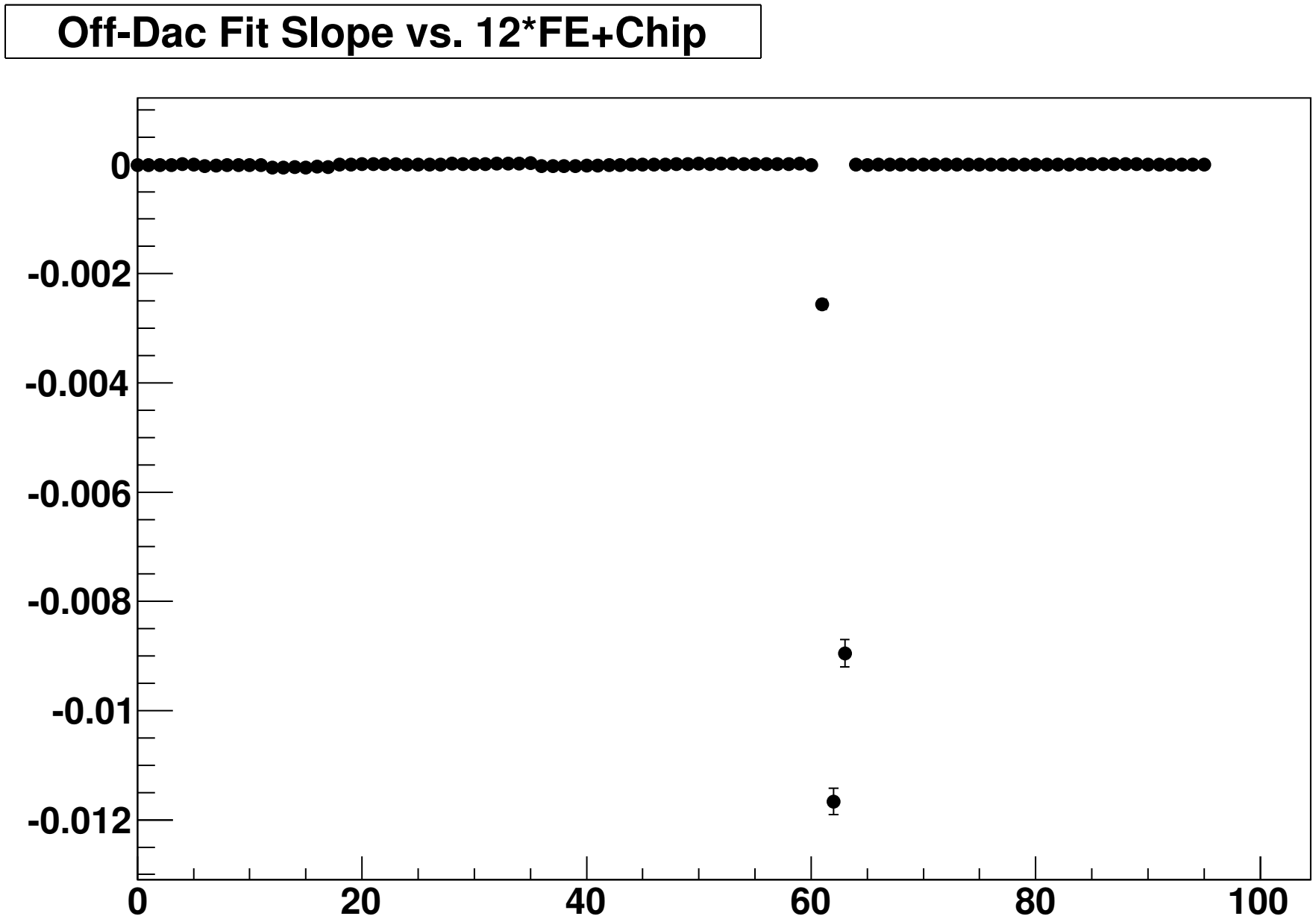

Disabled Dacs, Rms vs. 12*FE+Chip
1000
800
600
400
200
0
0
20
40
60
80
100

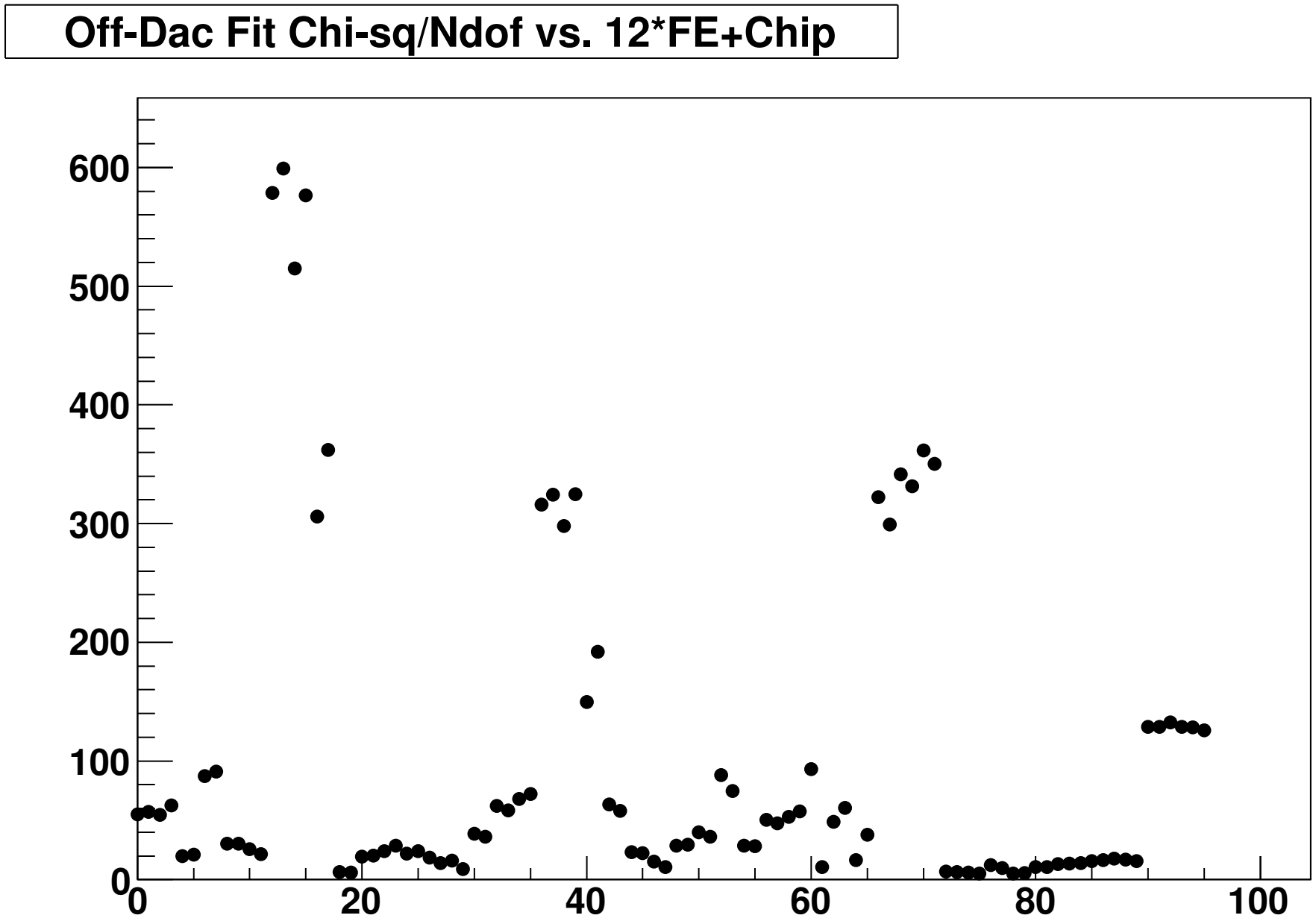

On-Dac Fit Interpolation vs. 12*FE+Chip
0
-500
-1000
-1500
-2000
-2500
0
20
40
60
80
100

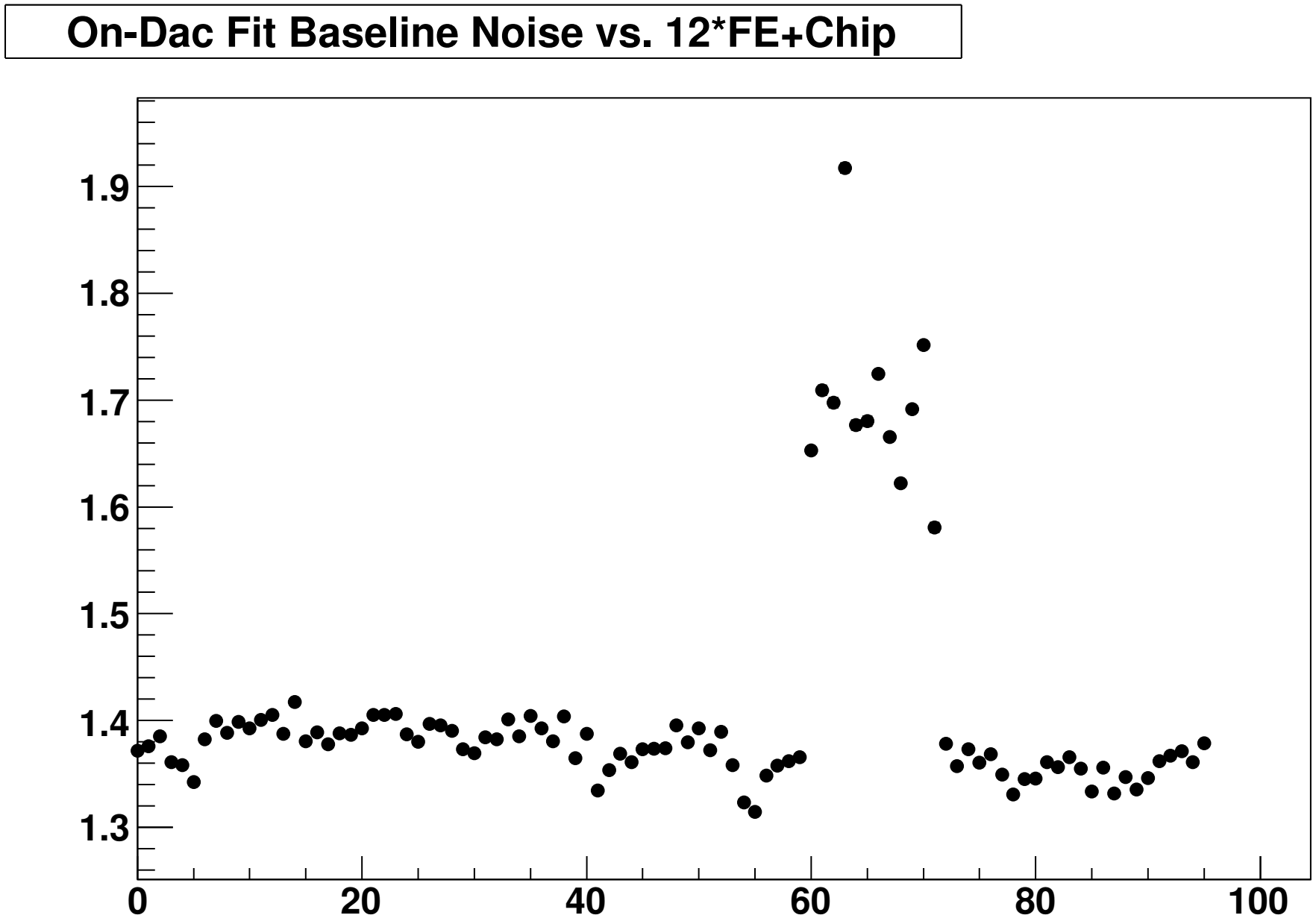

On-Dac Fit Slope vs. 12*FE+Chip
0.5
0.48
0.46
0.44
0.42
0.4
0.38
0
20
40
60
80
100

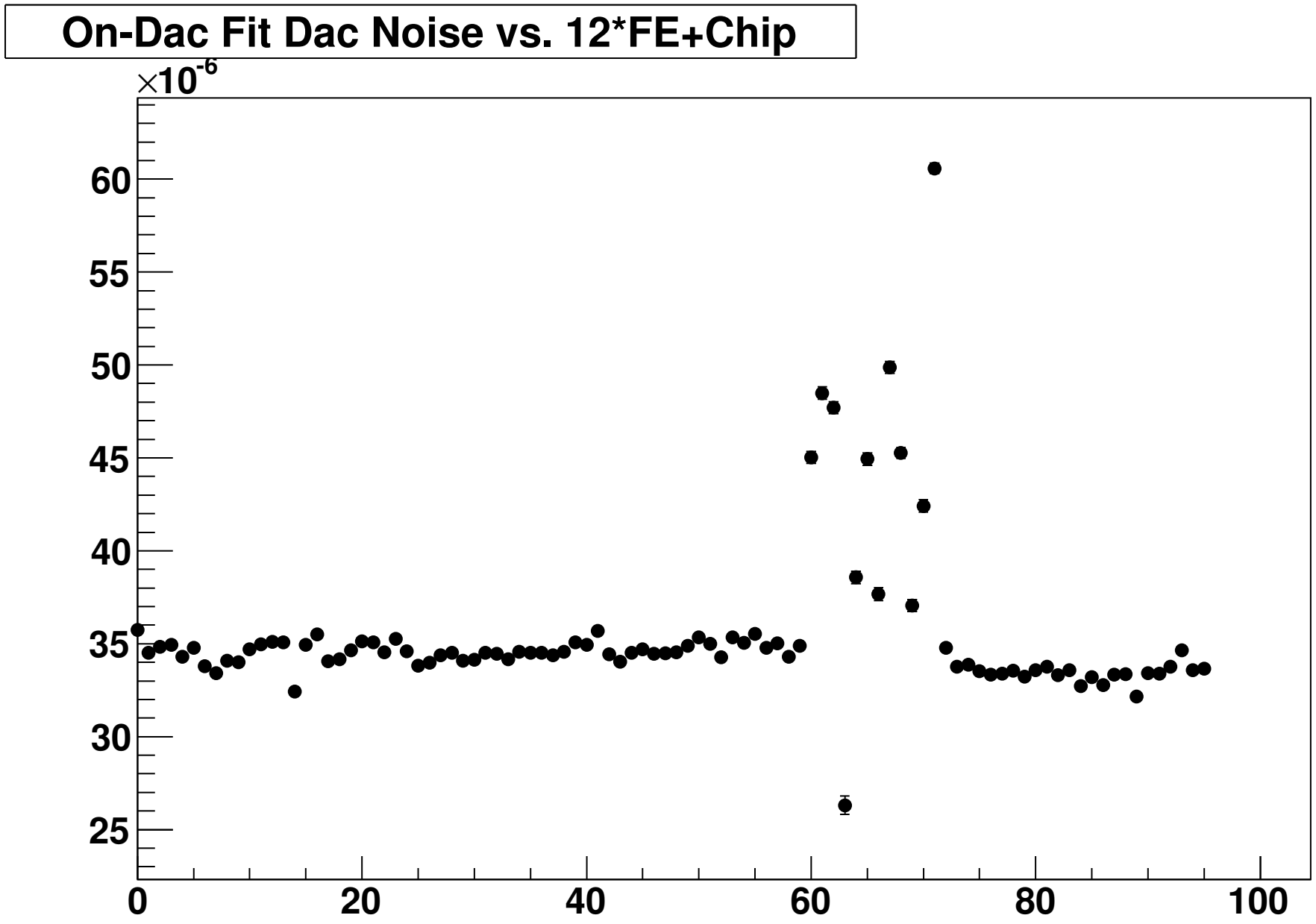

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^6
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

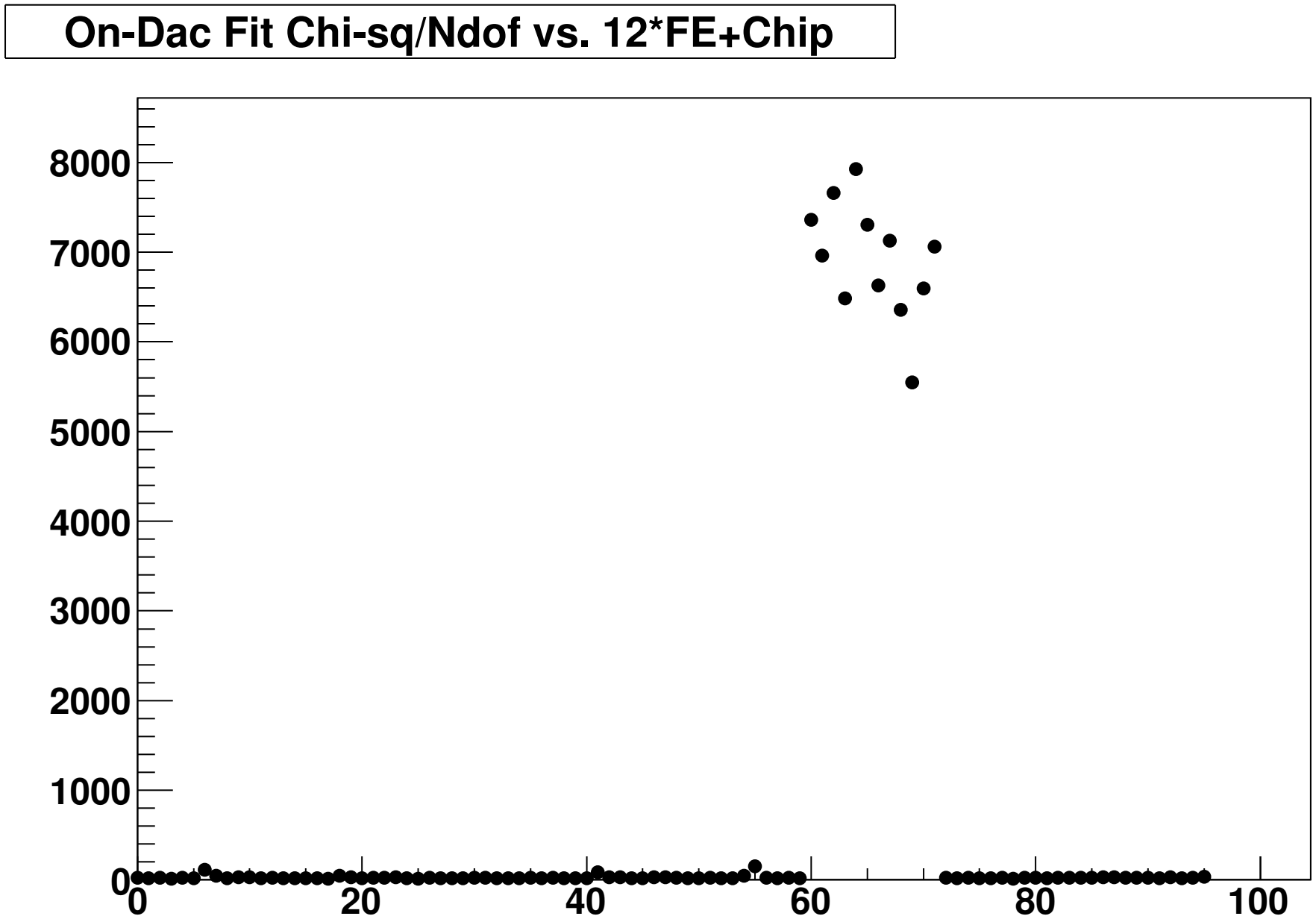

Off-Dac Fit Interpolation vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
0
20
40
60
80
100

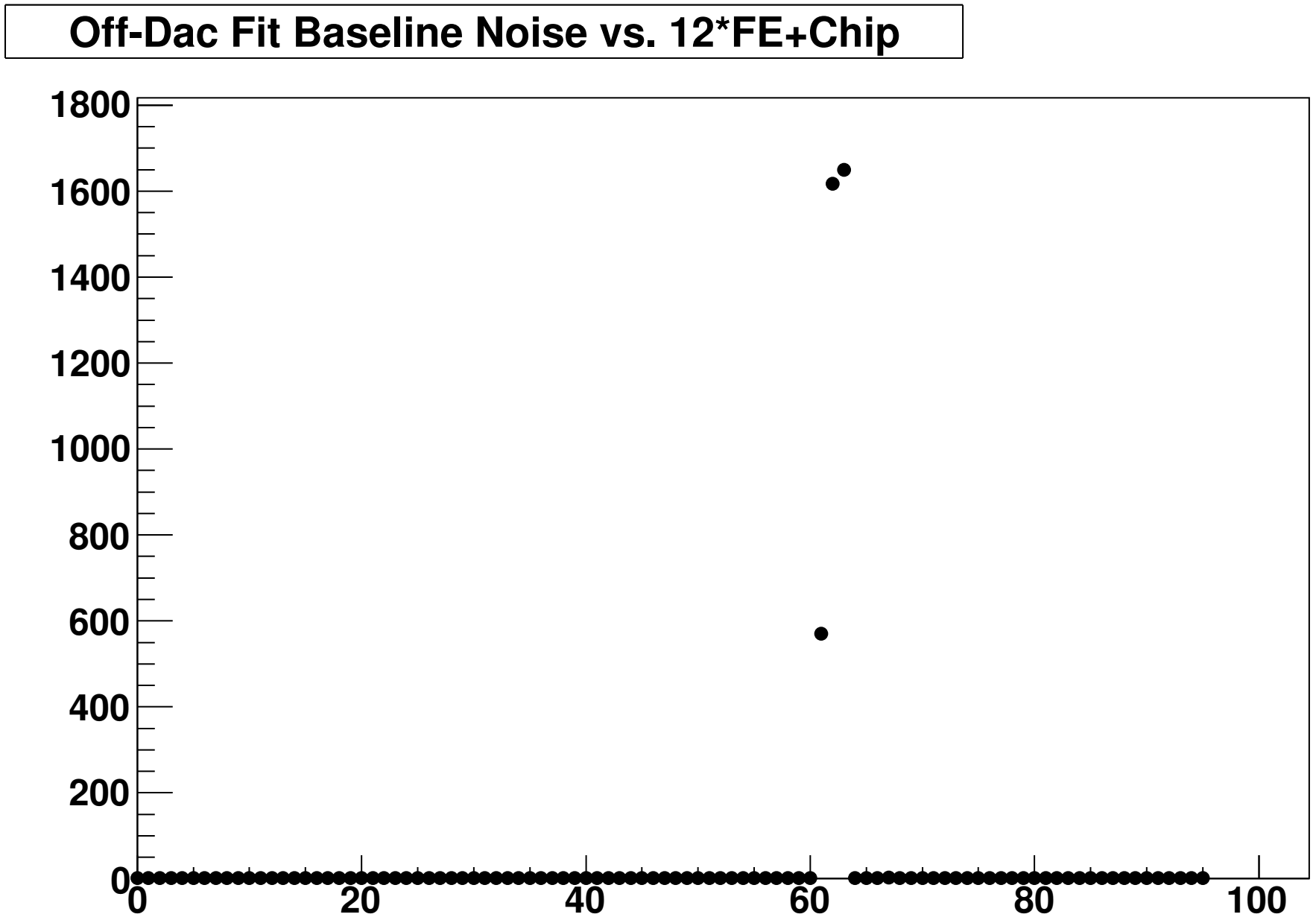

Off-Dac Fit Slope vs. 12*FE+Chip
0
-0.002
-0.004
-0.006
-0.008
-0.01
-0.012
0
20
40
60
80
100

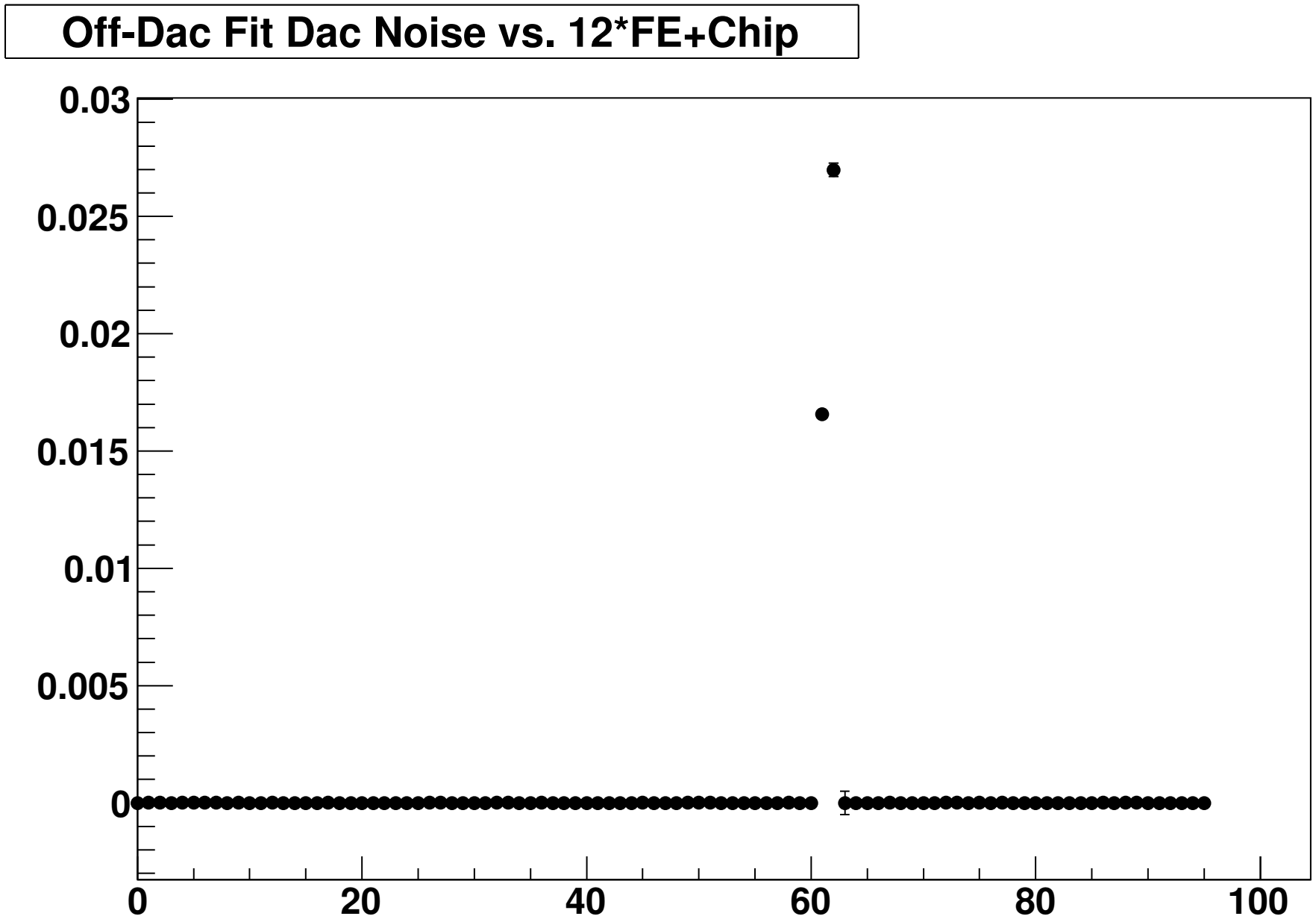

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
600
500
400
300
200
100
0
0
20
40
60
80
100

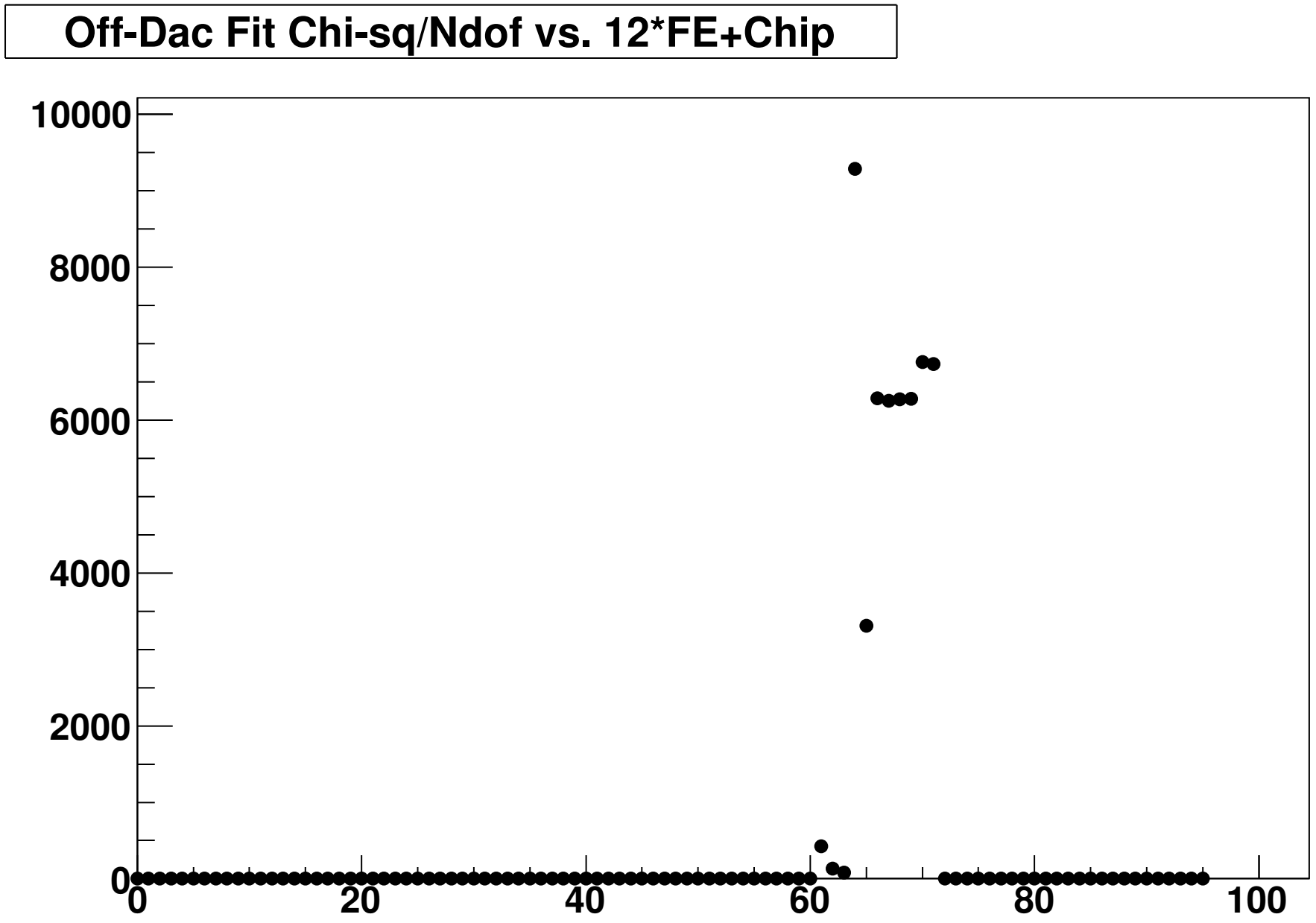

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.9
1.8
1.7
1.6
1.5
1.4
1.3
0
20
40
60
80
100

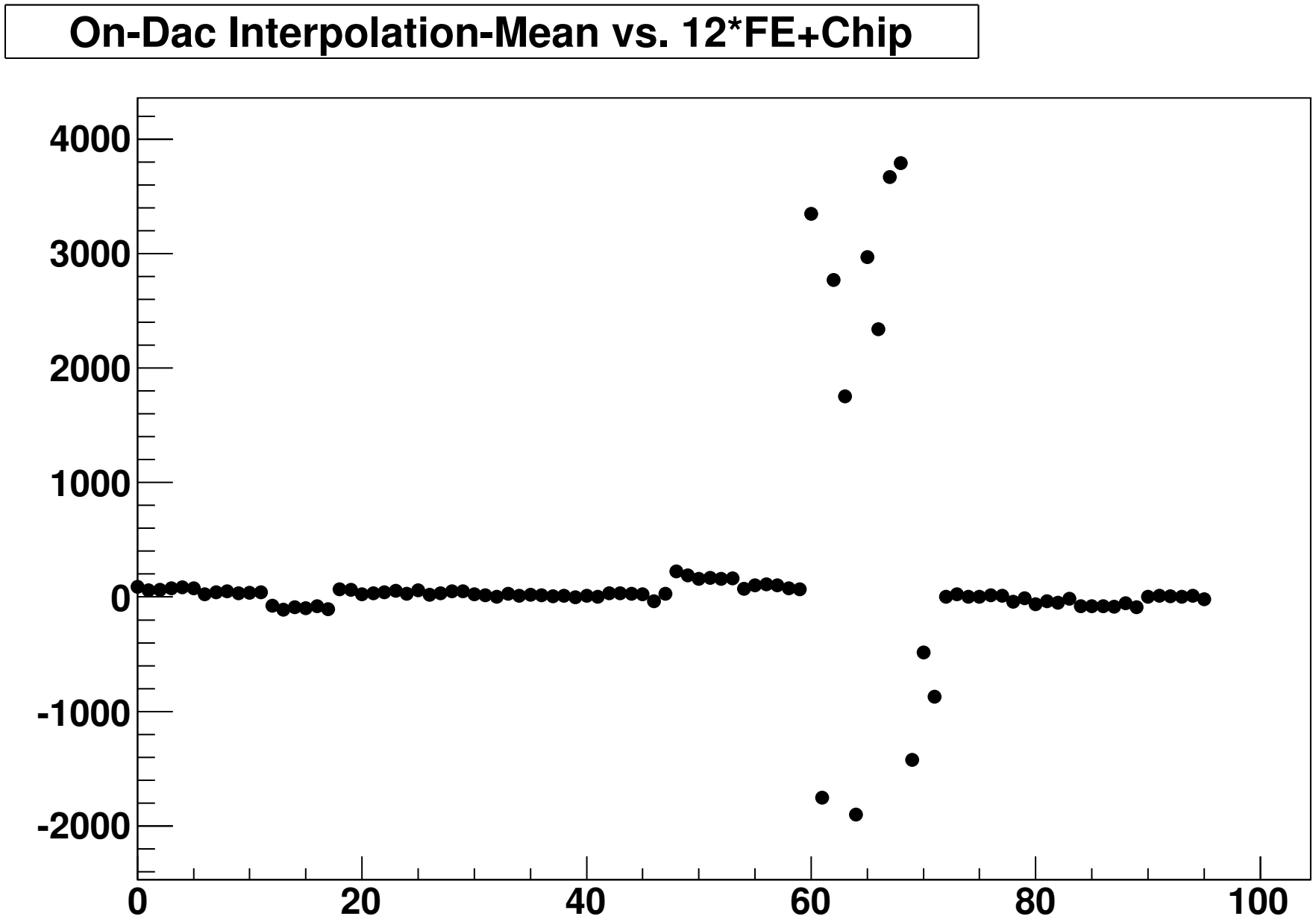

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
60
55
50
45
40
35
30
25
0
20
40
60
80
100

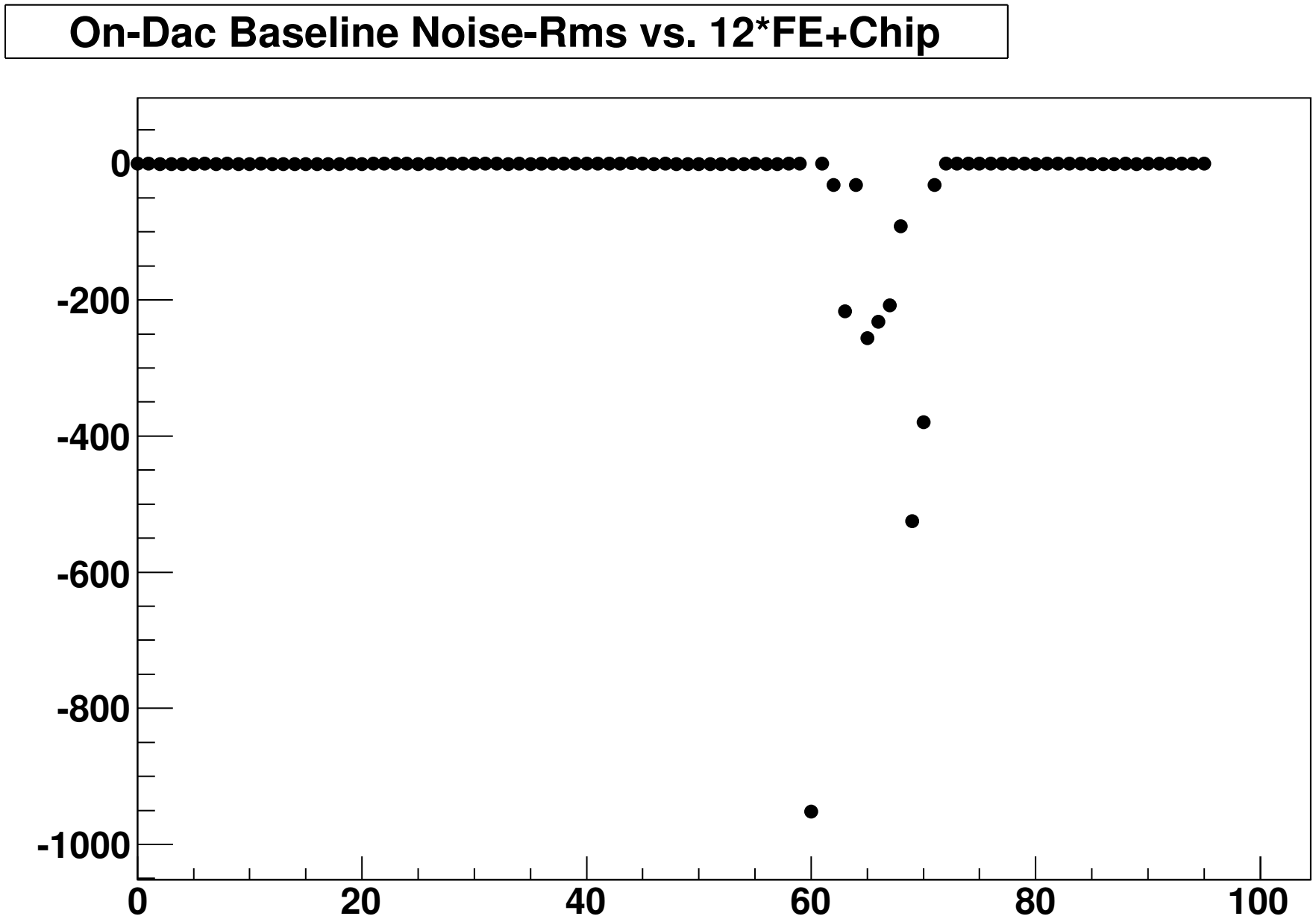

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

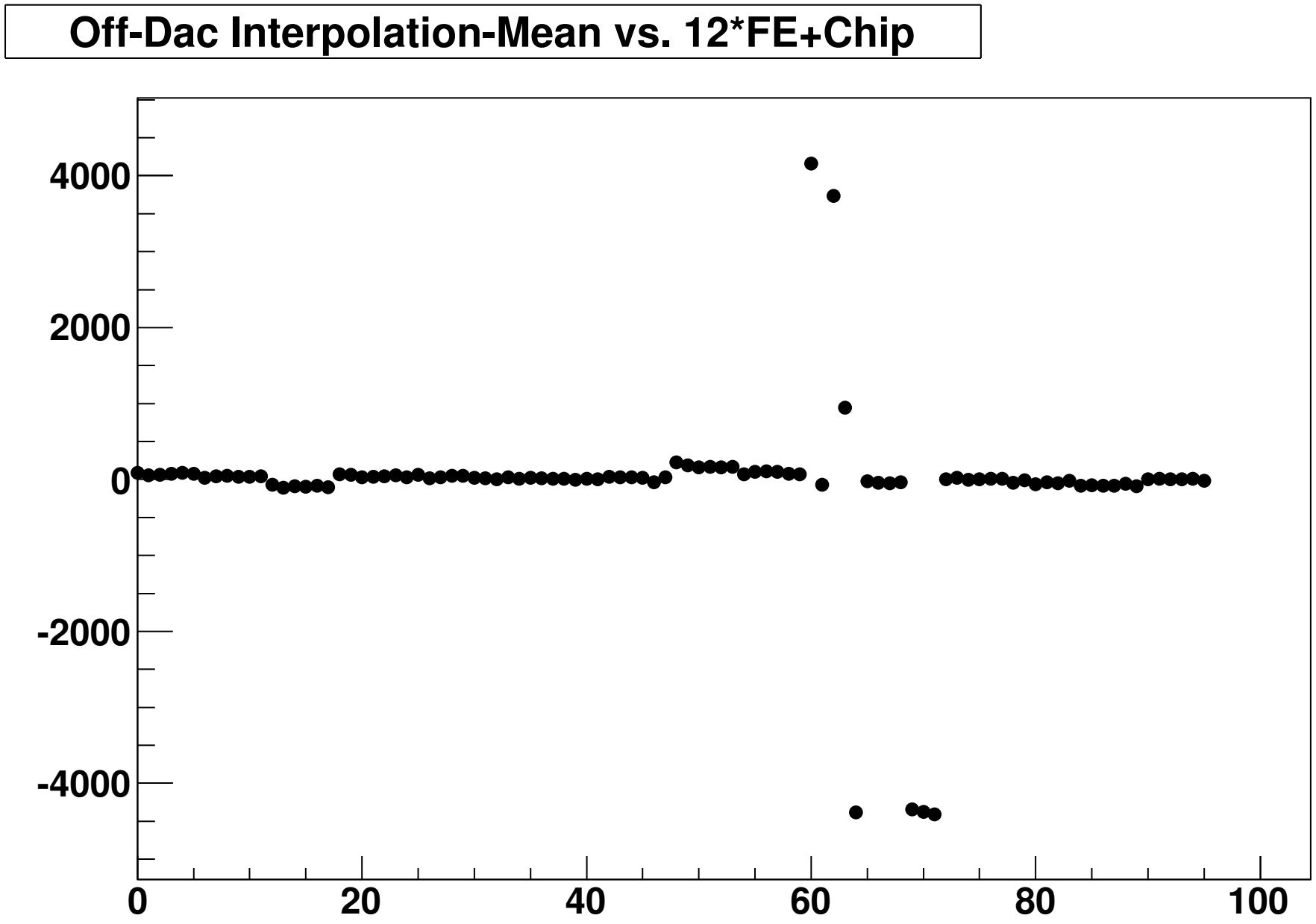

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100

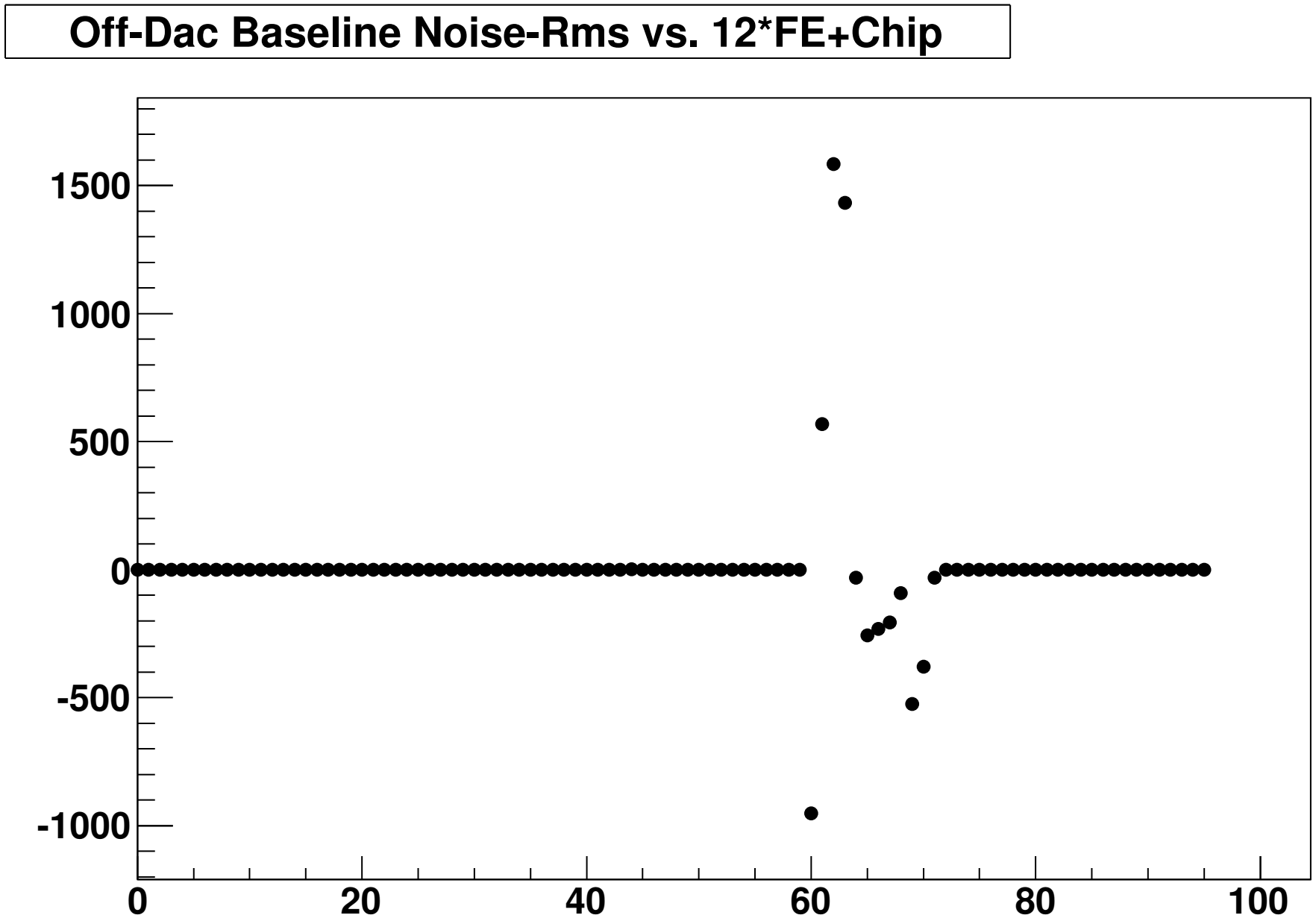

Off-Dac Fit Dac Noise vs. 12*FE+Chip
0.03
0.025
0.02
0.015
0.01
0.005
0
0
20
40
60
80
100


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


On-Dac Interpolation-Mean vs. 12*FE+Chip
4000
3000
2000
1000
0
-1000
-2000
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-200
-400
-600
-800
-1000
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
4000
2000
0
-2000
-4000
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
1500
1000
500
0
-500
-1000
0
20
40
60
80
100