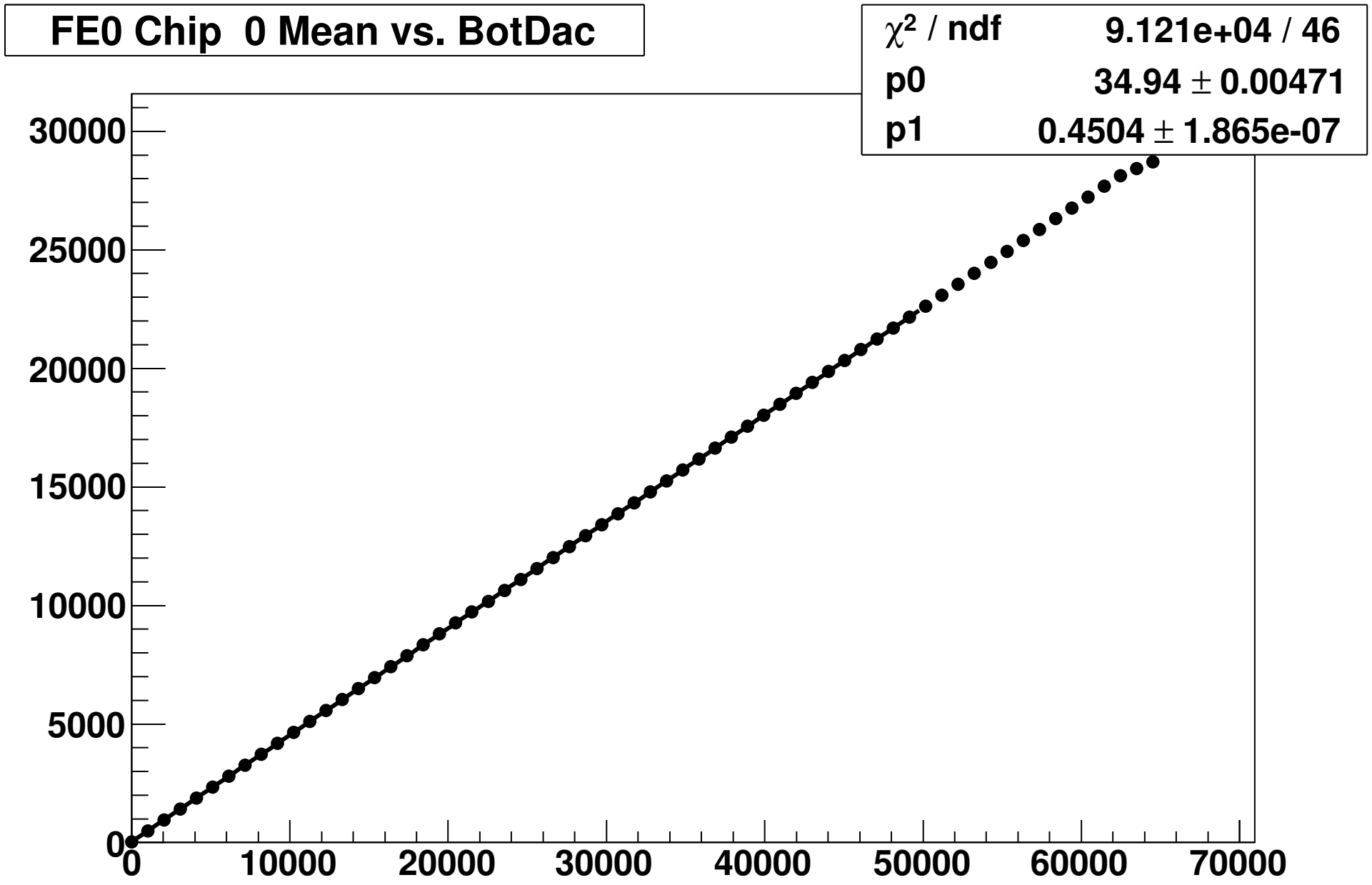
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 9.121e+04 / 46
p0 34.94 ± 0.00471
p1 0.4504 ± 1.865e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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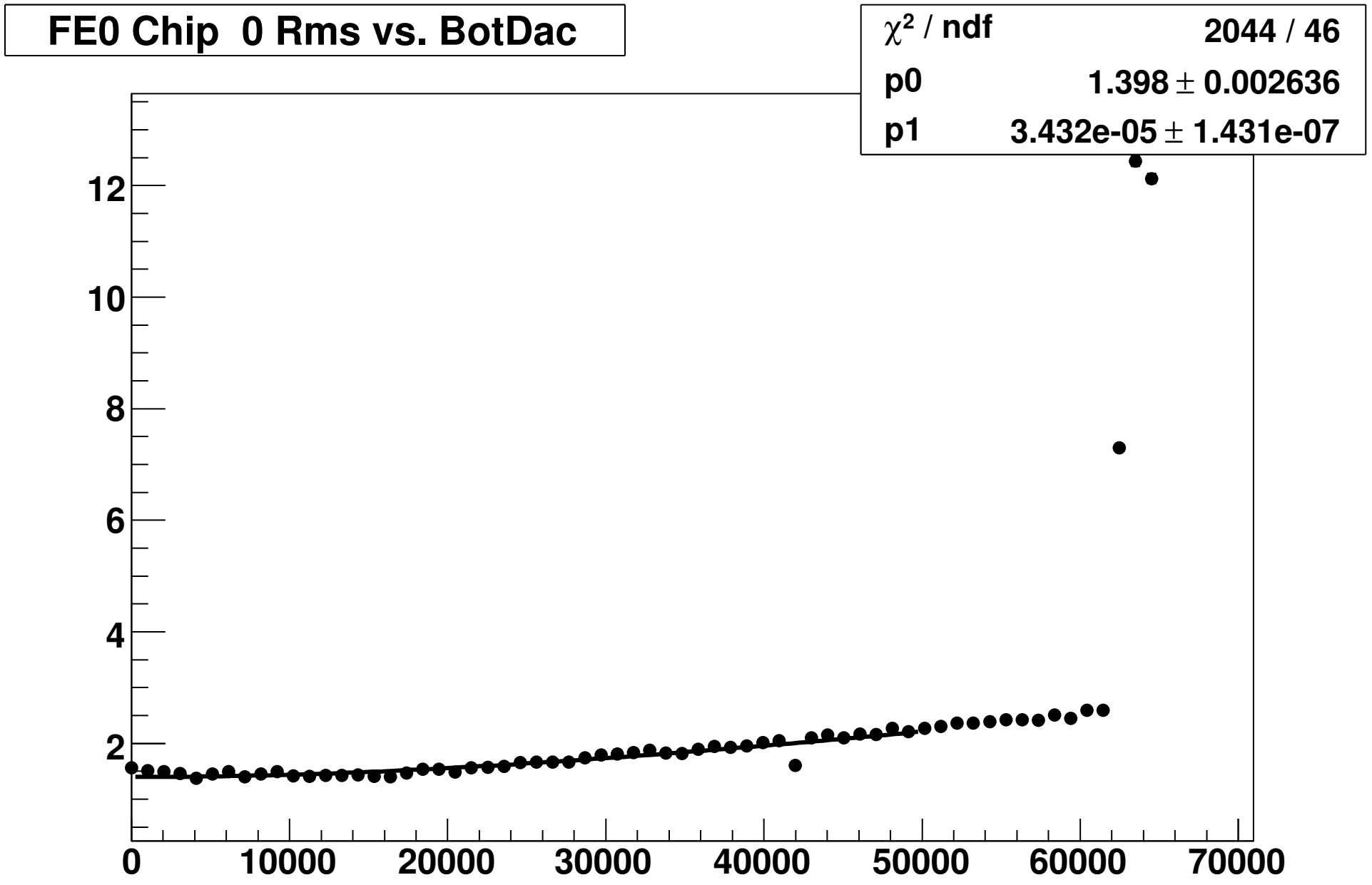
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 2044 / 46
p0 1.398 ± 0.002636
p1 3.432e-05 ± 1.431e-07
12
10
8
6
4
2
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20000
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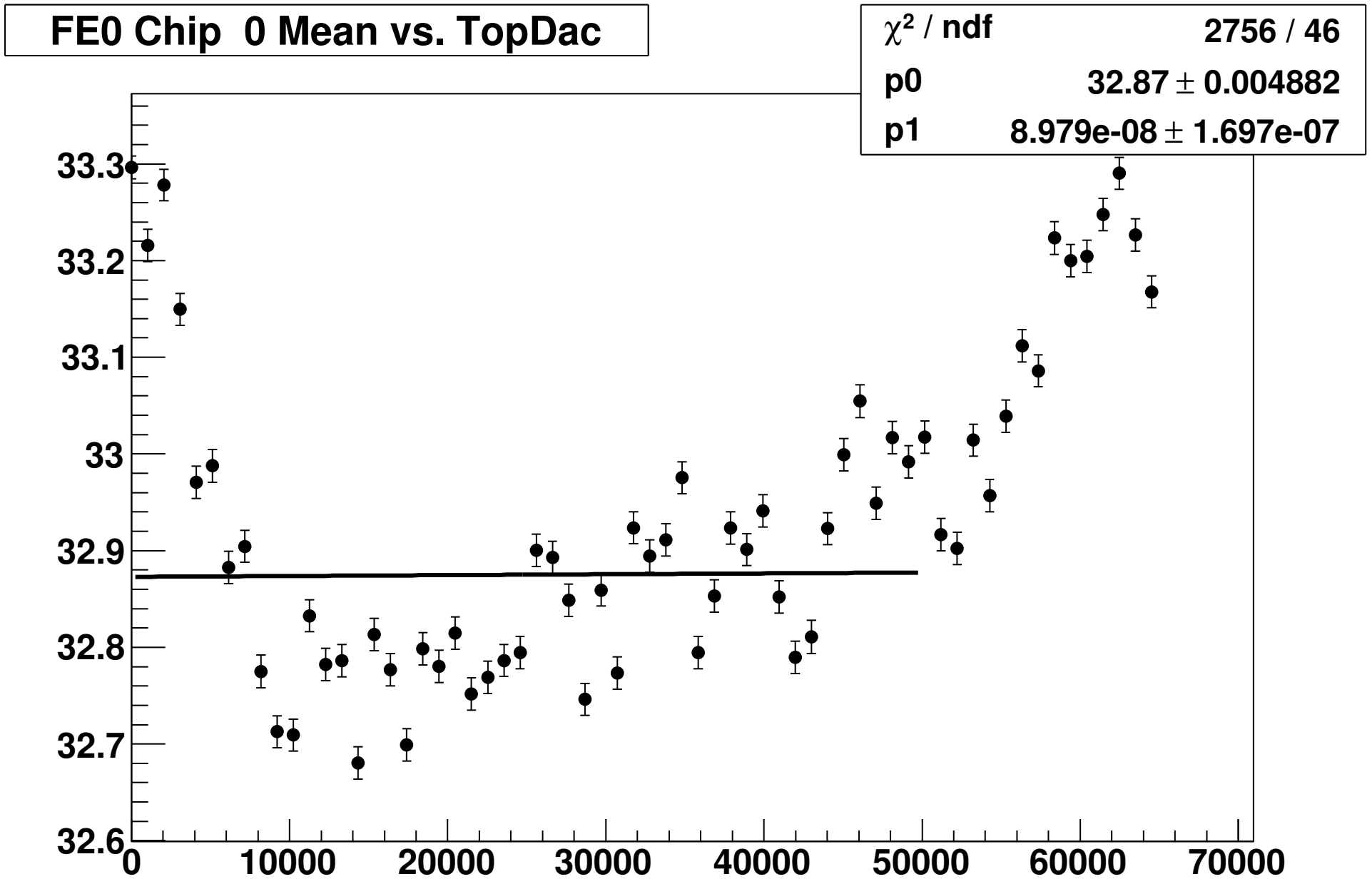
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 2756 / 46
p0 32.87 ± 0.004882
p1 8.979e-08 ± 1.697e-07
33.3
33.2
33.1
33
32.9
32.8
32.7
32.6
0
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40000
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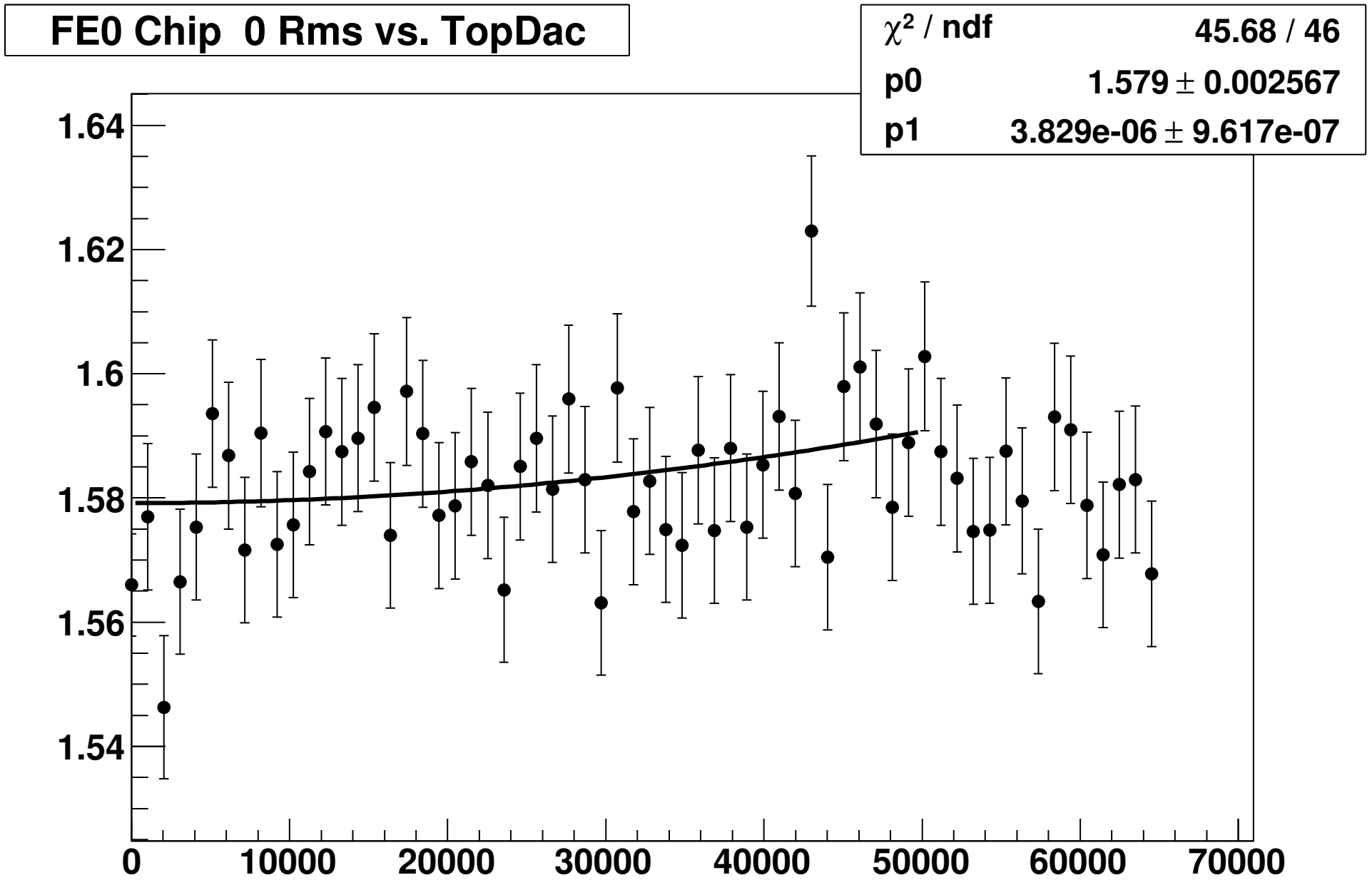
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 45.68 / 46
p0 1.579 ± 0.002567
p1 3.829e-06 ± 9.617e-07
1.64
1.62
1.6
1.58
1.56
1.54
0
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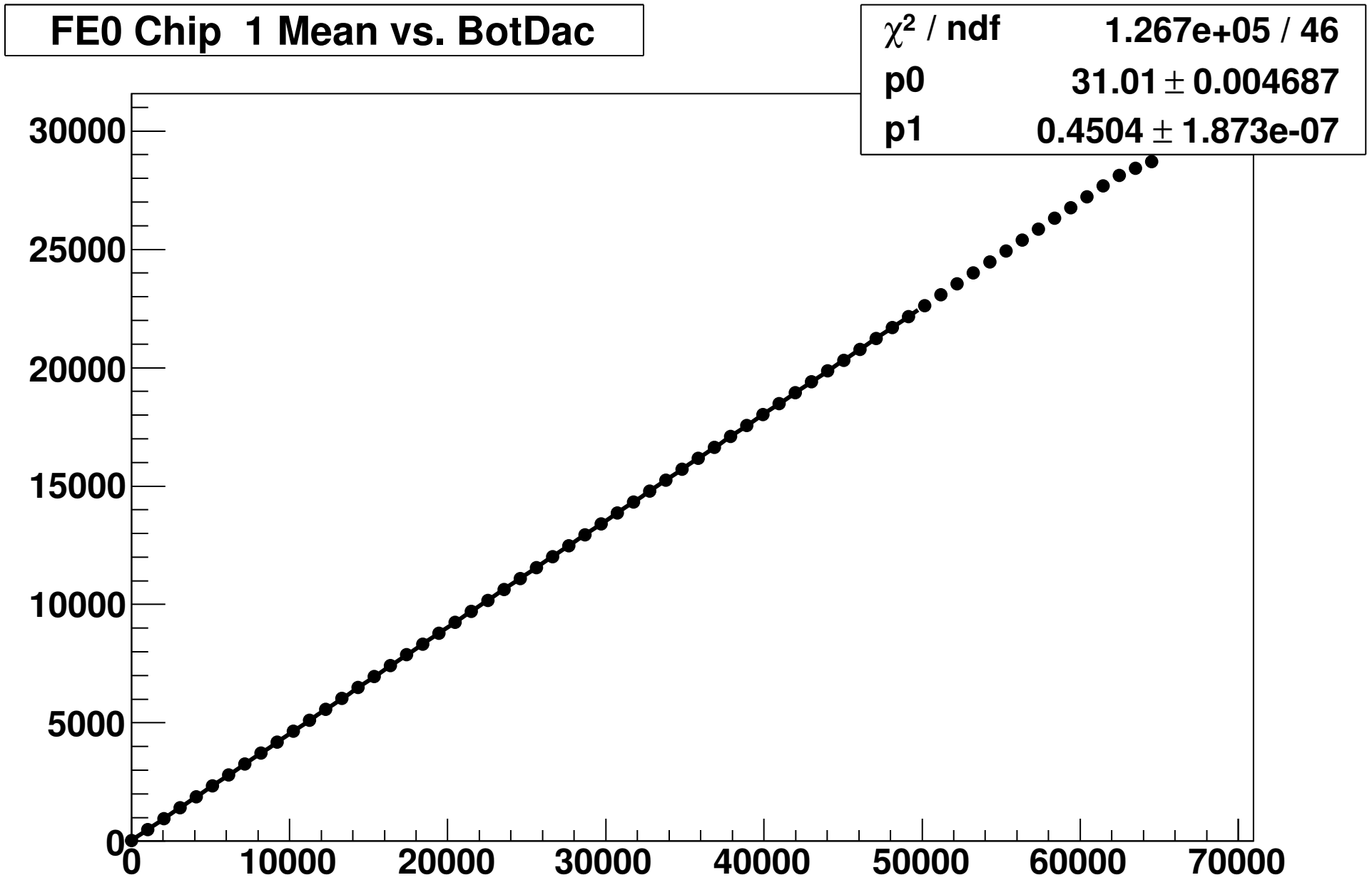
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.267e+05 / 46
p0 31.01 ± 0.004687
p1 0.4504 ± 1.873e-07
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0
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10000
20000
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40000
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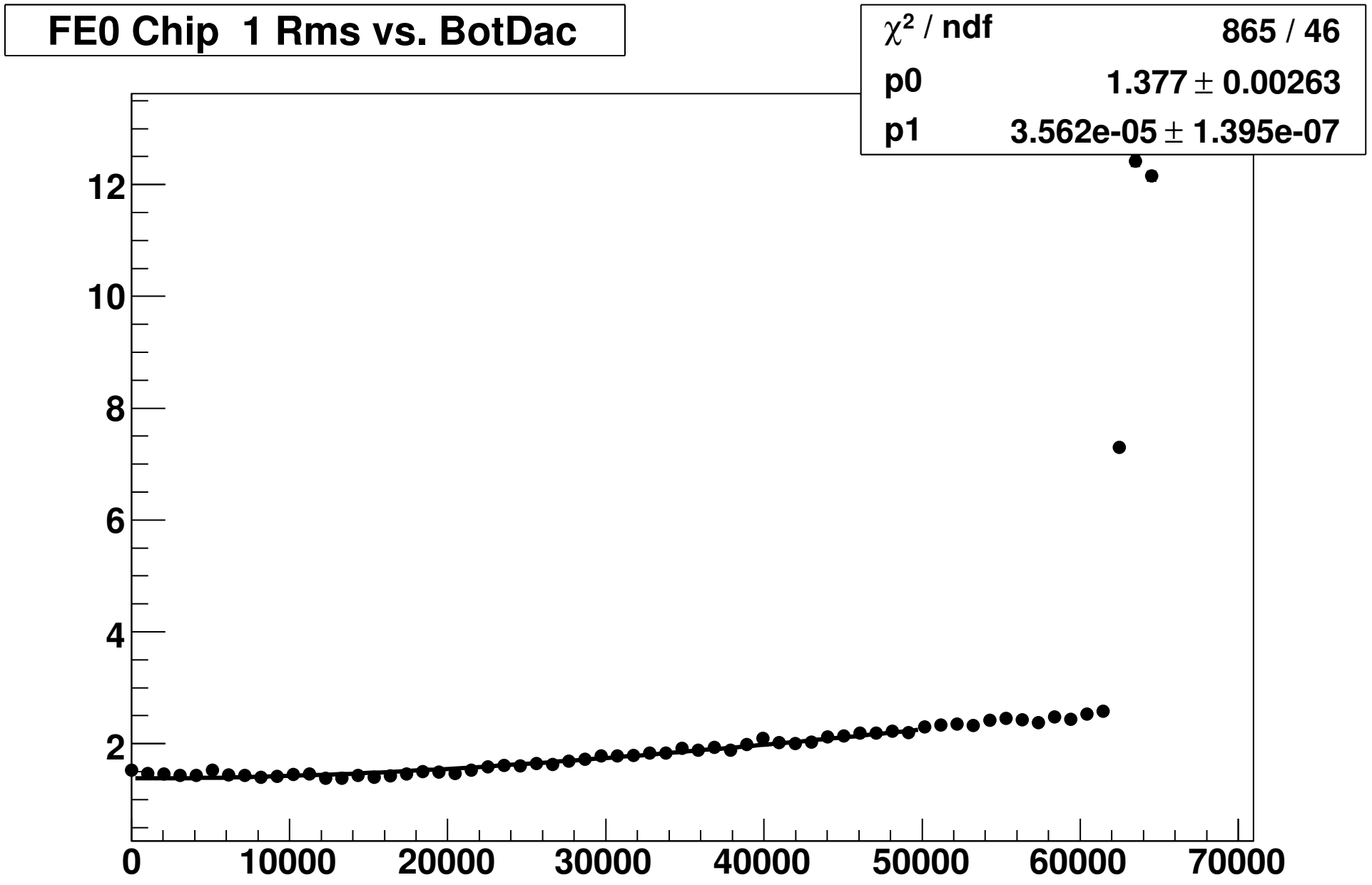
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 865 / 46
p0 1.377 ± 0.00263
p1 3.562e-05 ± 1.395e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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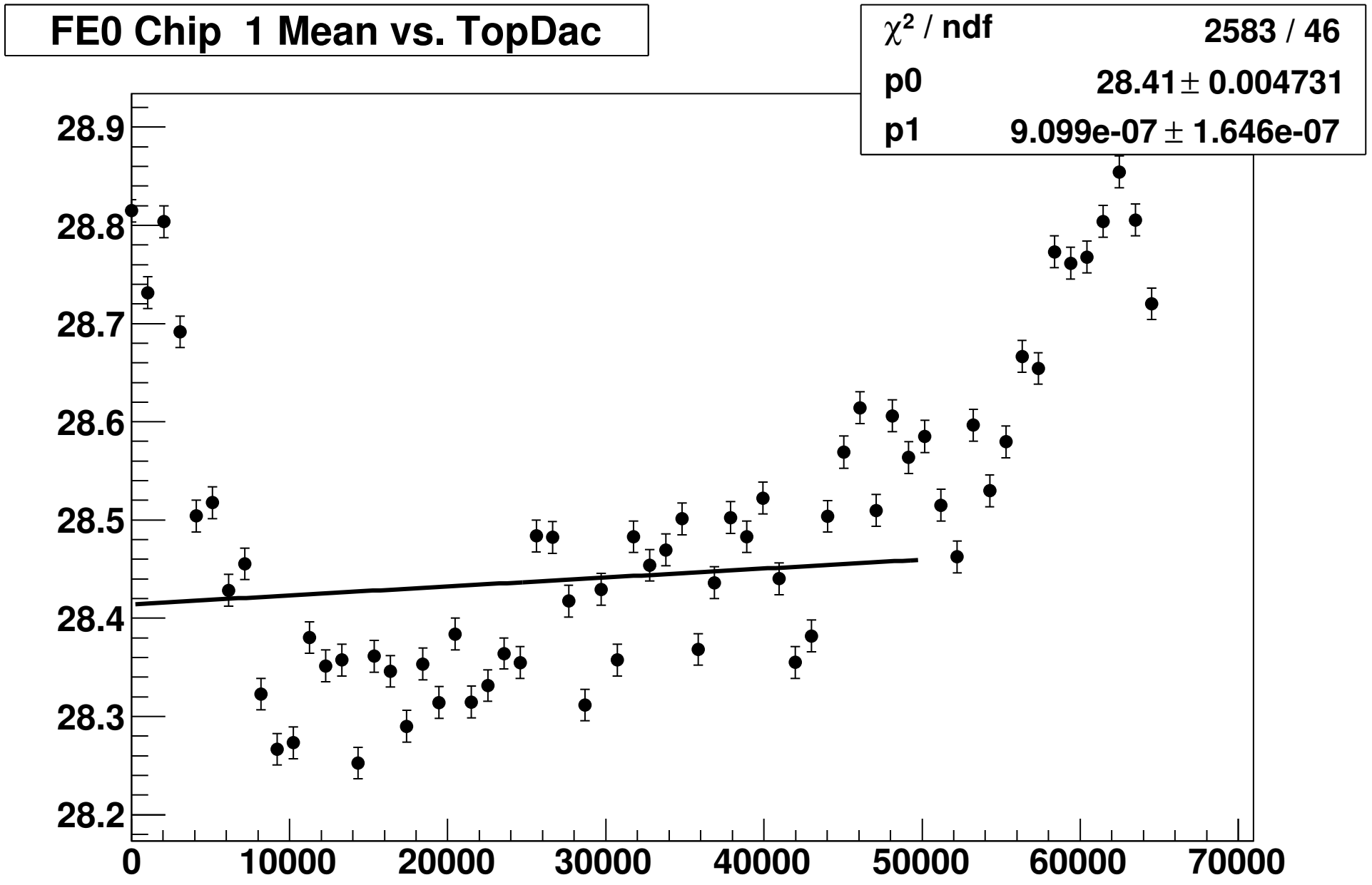
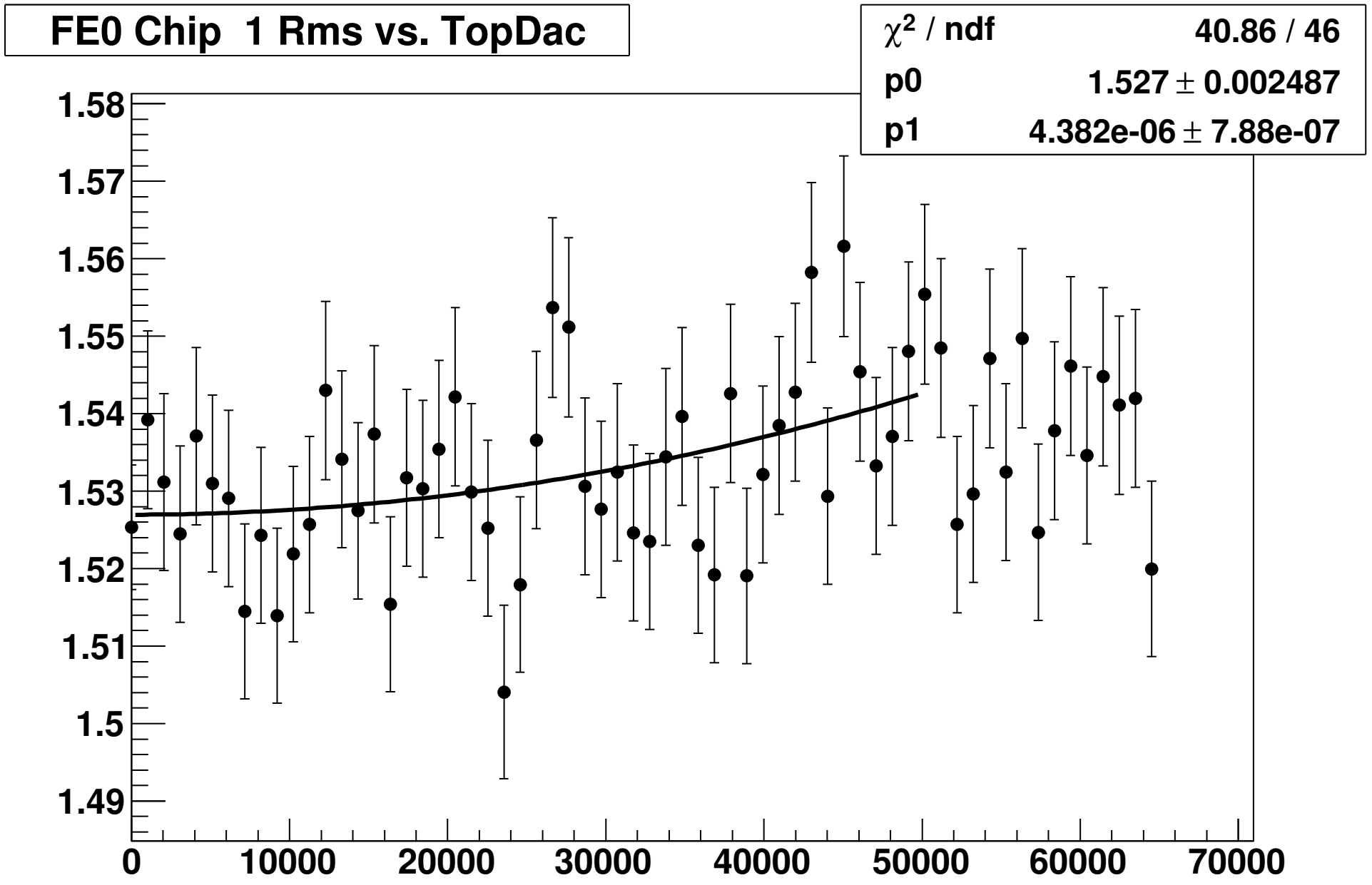

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 2583 / 46
p0 28.41 ± 0.004731
p1 9.099e-07 ± 1.646e-07
28.9
28.8
28.7
28.6
28.5
28.4
28.3
28.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 40.86 / 46
p0 1.527 ± 0.002487
p1 4.382e-06 ± 7.88e-07
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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50000
60000
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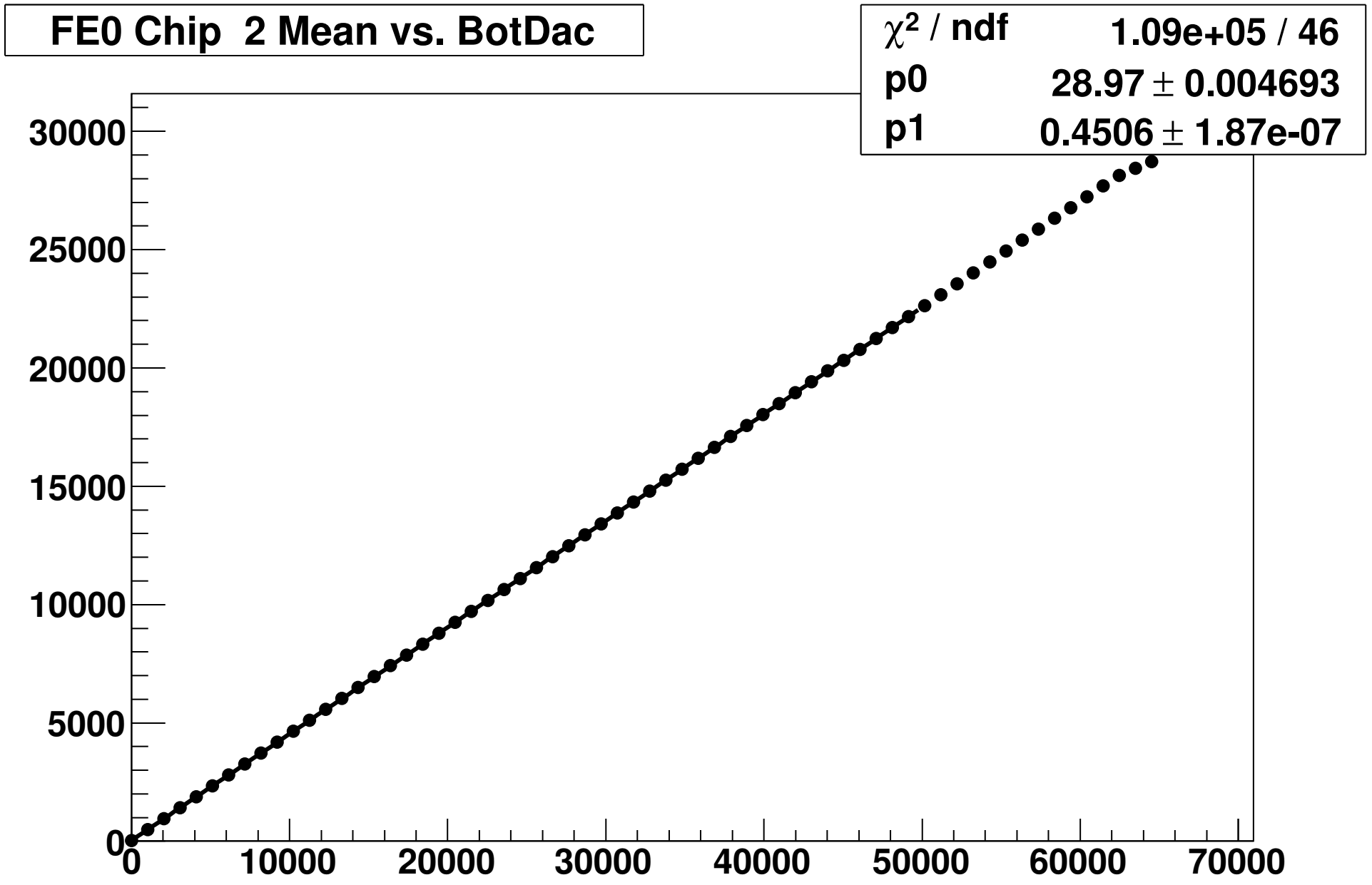
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.09e+05 / 46
p0 28.97 ± 0.004693
p1 0.4506 ± 1.87e-07
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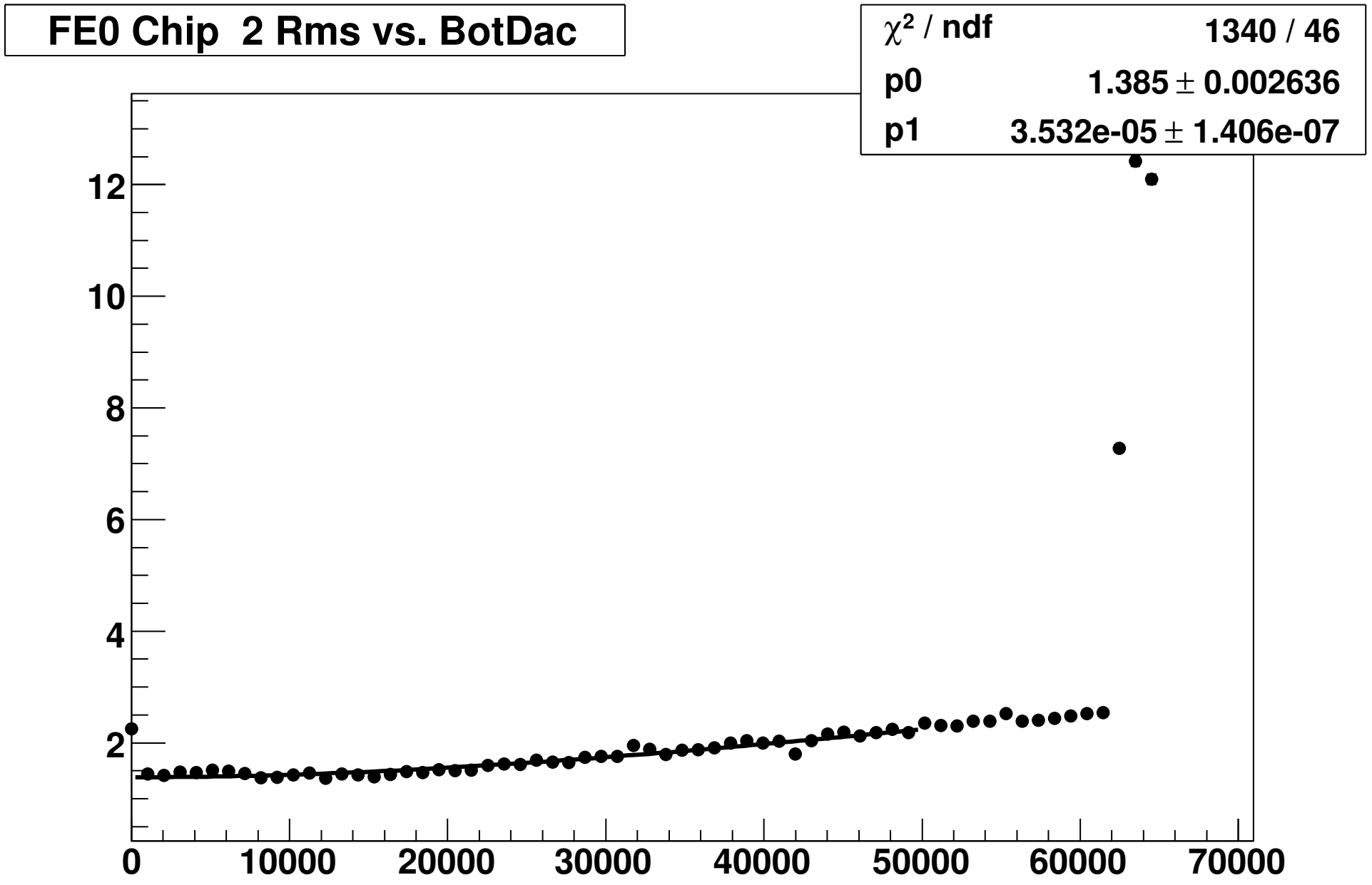
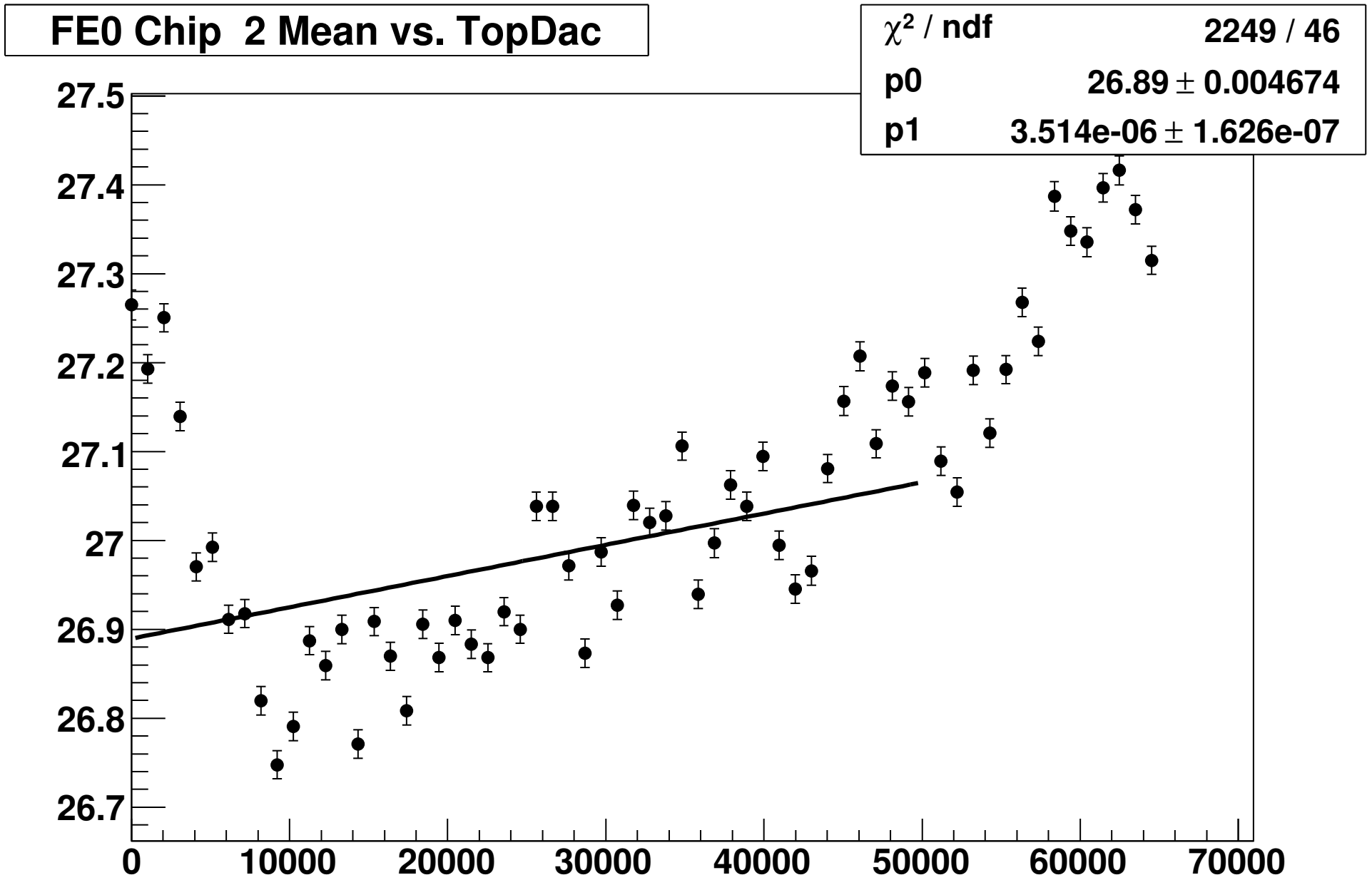
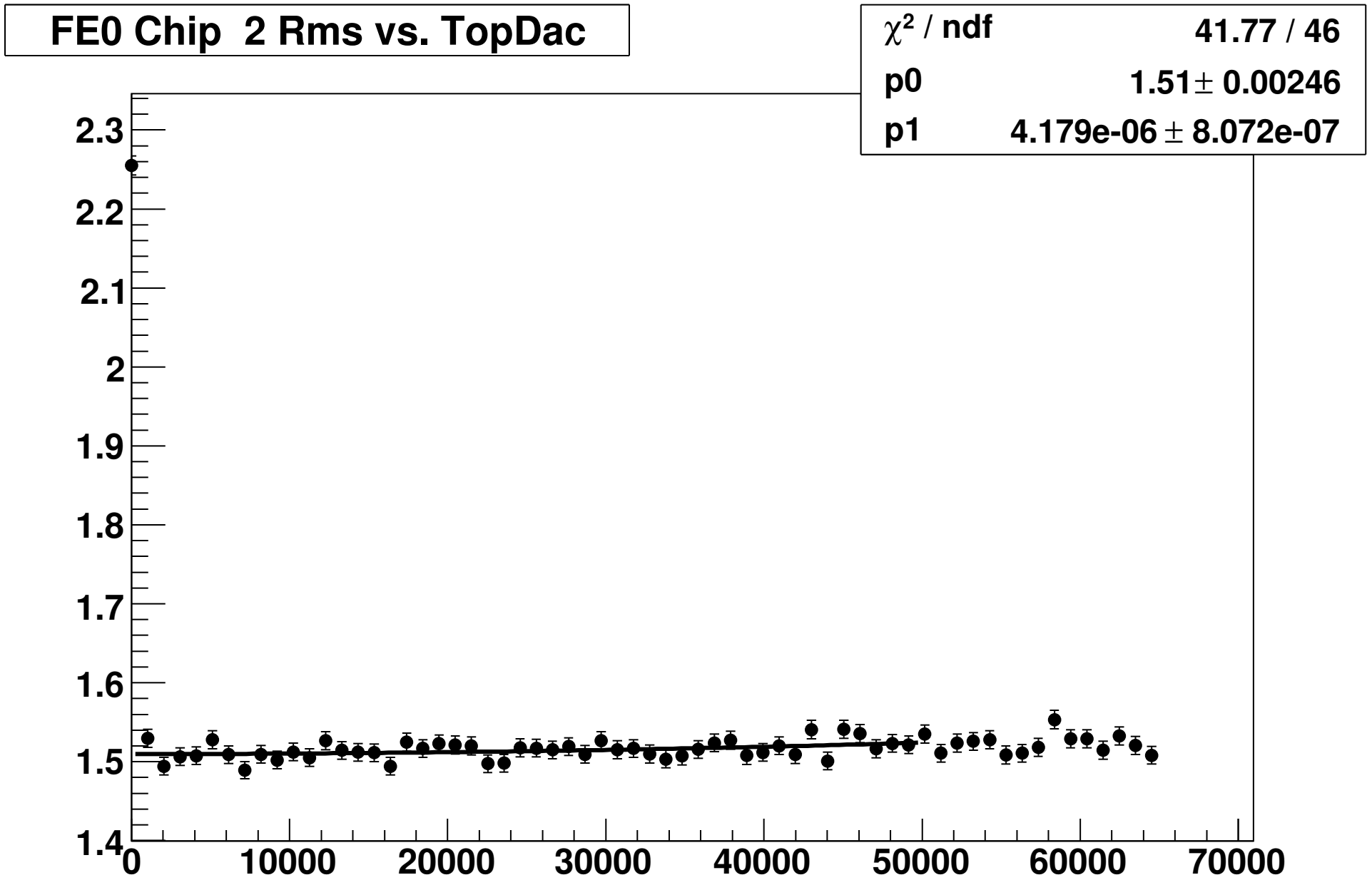
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 1340 / 46
p0 1.385 ± 0.002636
p1 3.532e-05 ± 1.406e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 2249 / 46
p0 26.89 ± 0.004674
p1 3.514e-06 ± 1.626e-07
27.5
27.4
27.3
27.2
27.1
27
26.9
26.8
26.7
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 41.77 / 46
p0 1.51 ± 0.00246
p1 4.179e-06 ± 8.072e-07
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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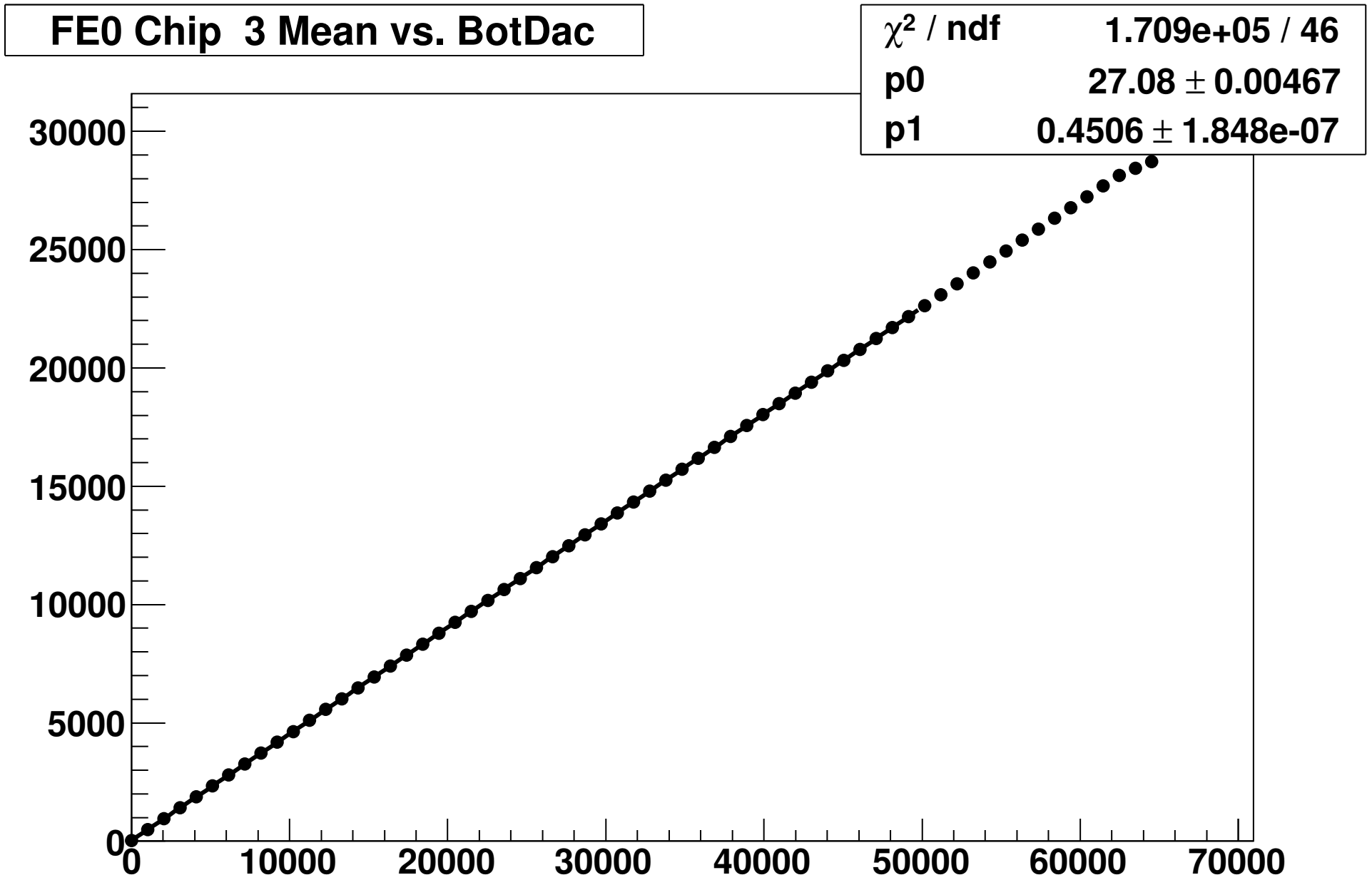
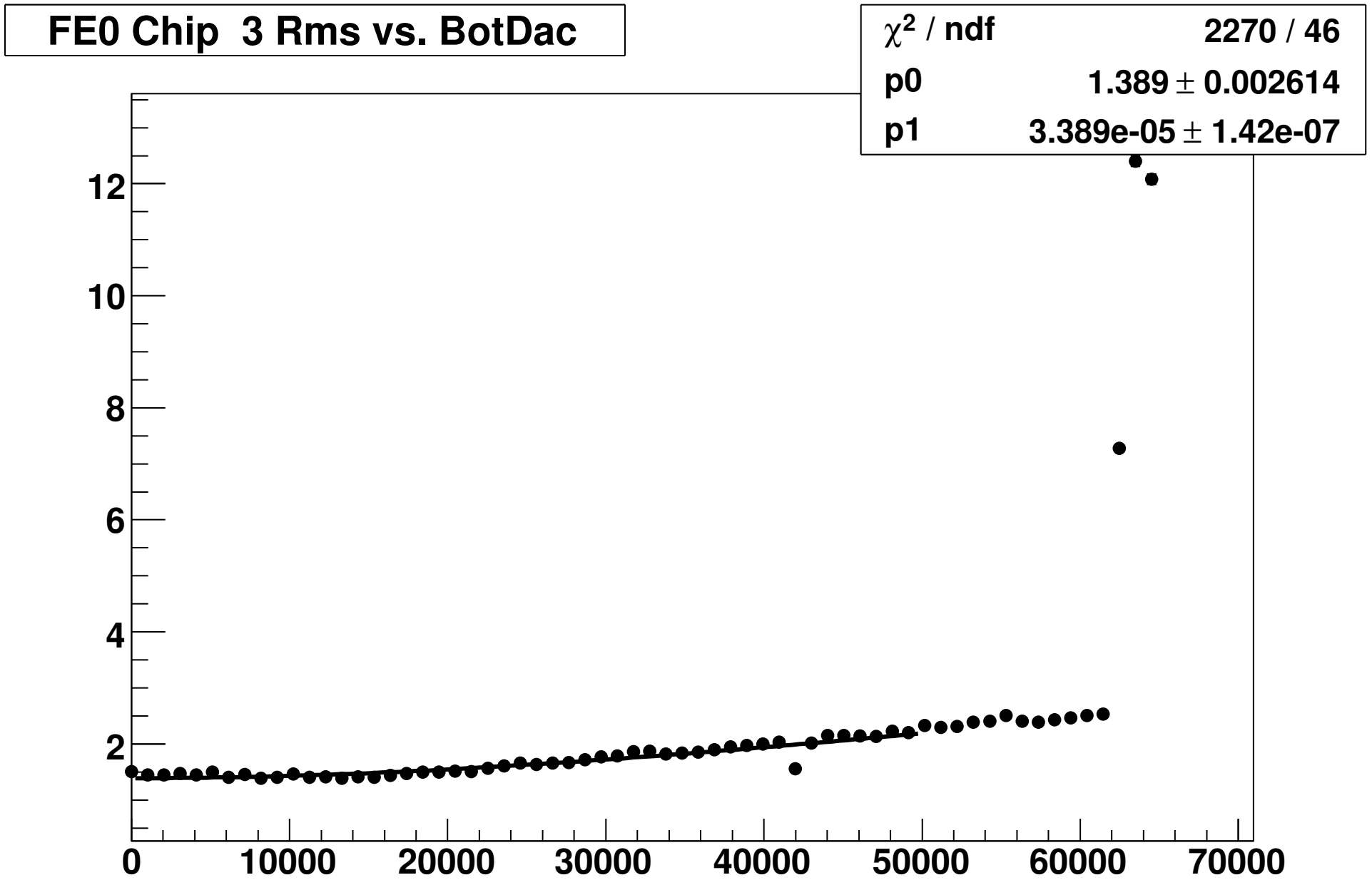
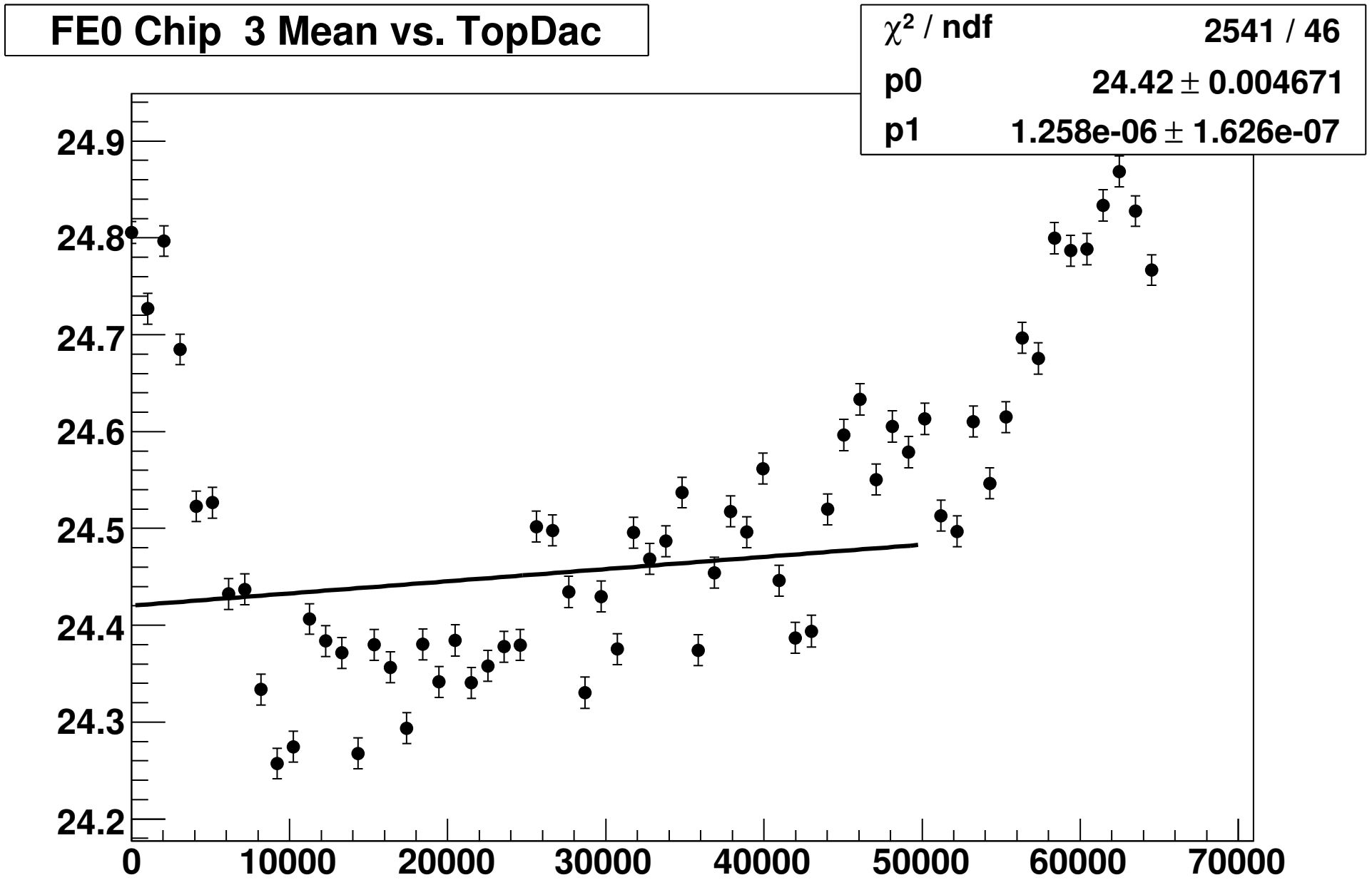
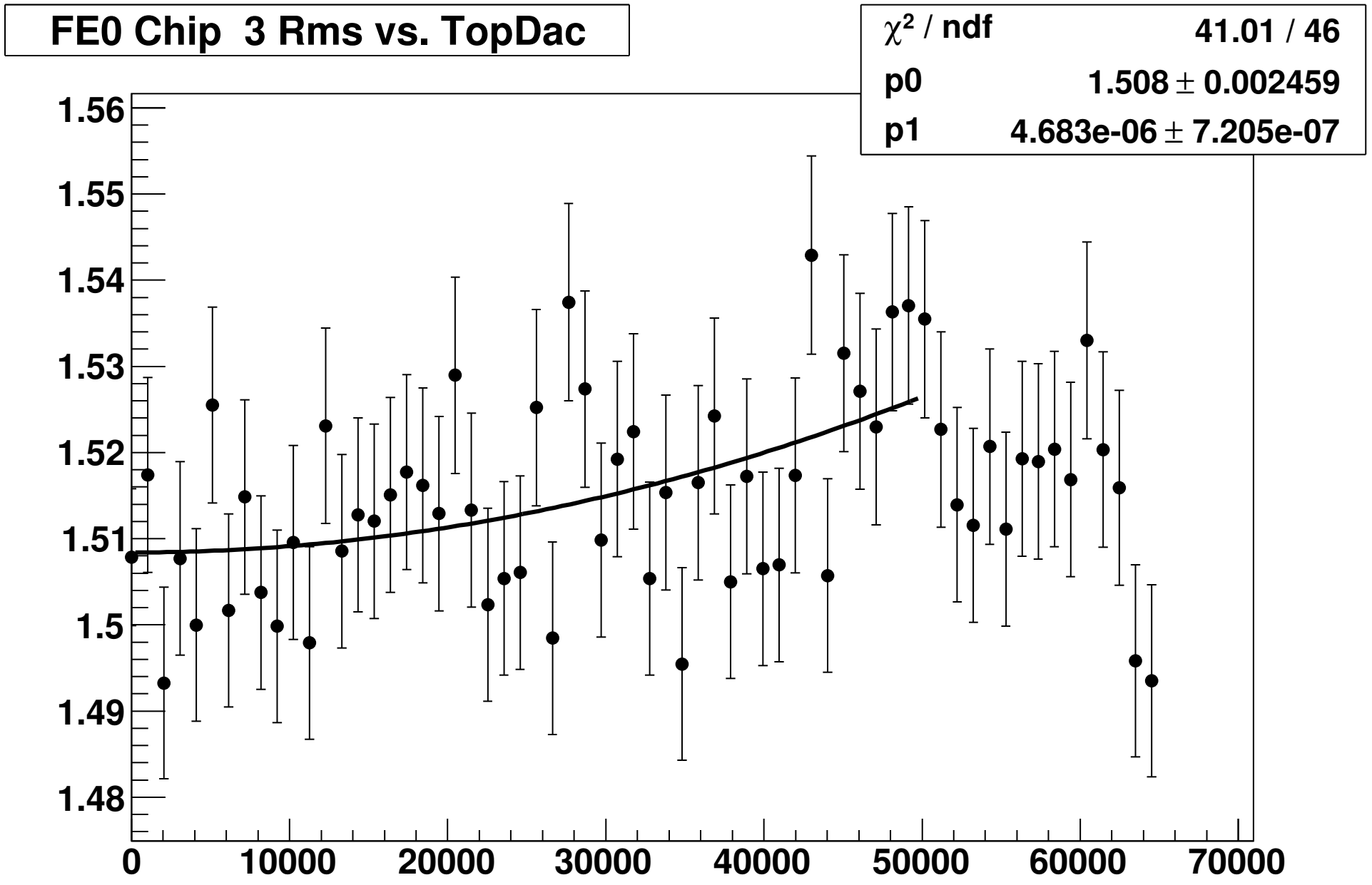

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 1.709e+05 / 46
p0 27.08 ± 0.00467
p1 0.4506 ± 1.848e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 2270 / 46
p0 1.389 ± 0.002614
p1 3.389e-05 ± 1.42e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 2541 / 46
p0 24.42 ± 0.004671
p1 1.258e-06 ± 1.626e-07
24.9
24.8
24.7
24.6
24.5
24.4
24.3
24.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 41.01 / 46
p0 1.508 ± 0.002459
p1 4.683e-06 ± 7.205e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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20000
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40000
50000
60000
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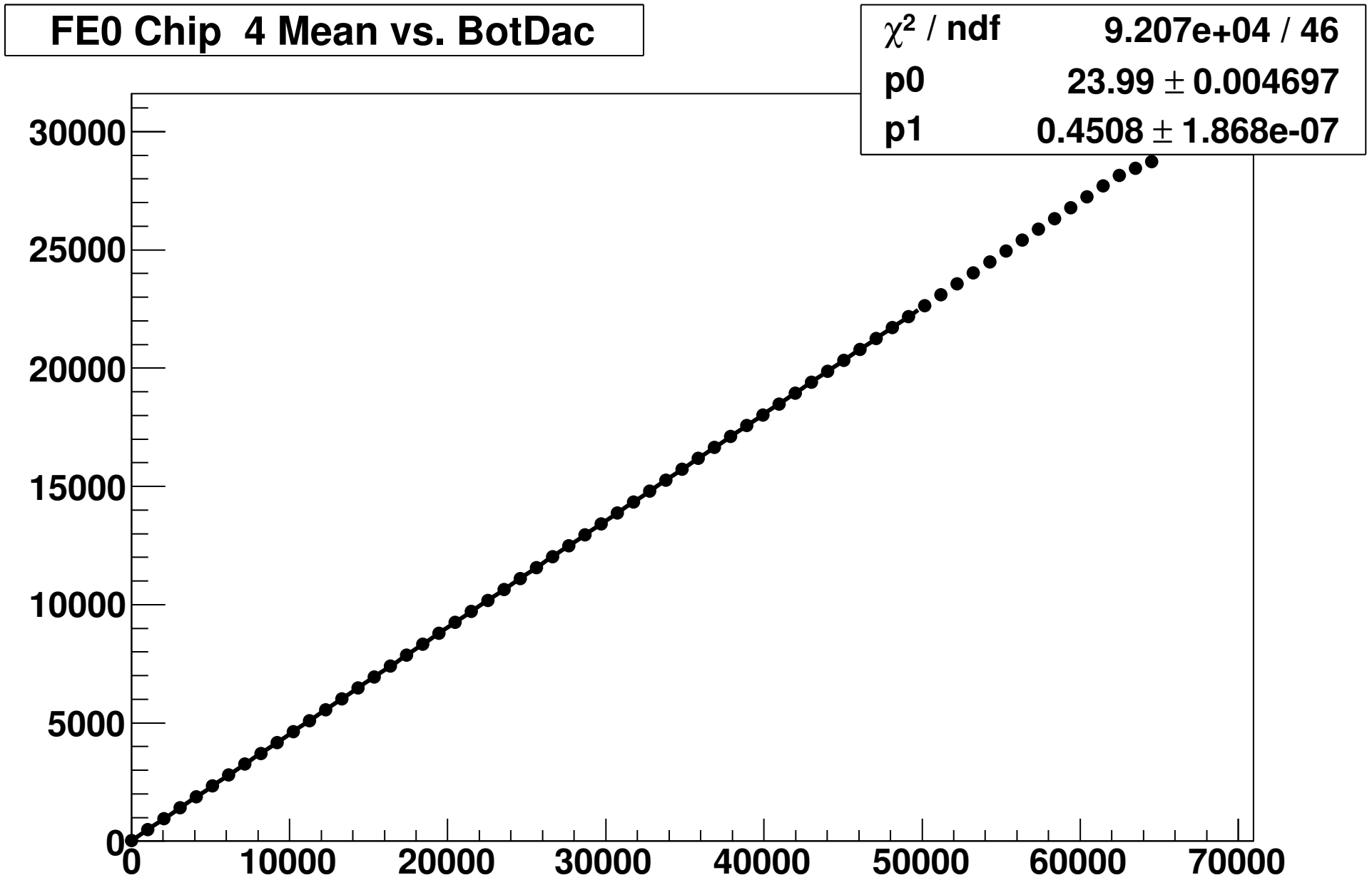
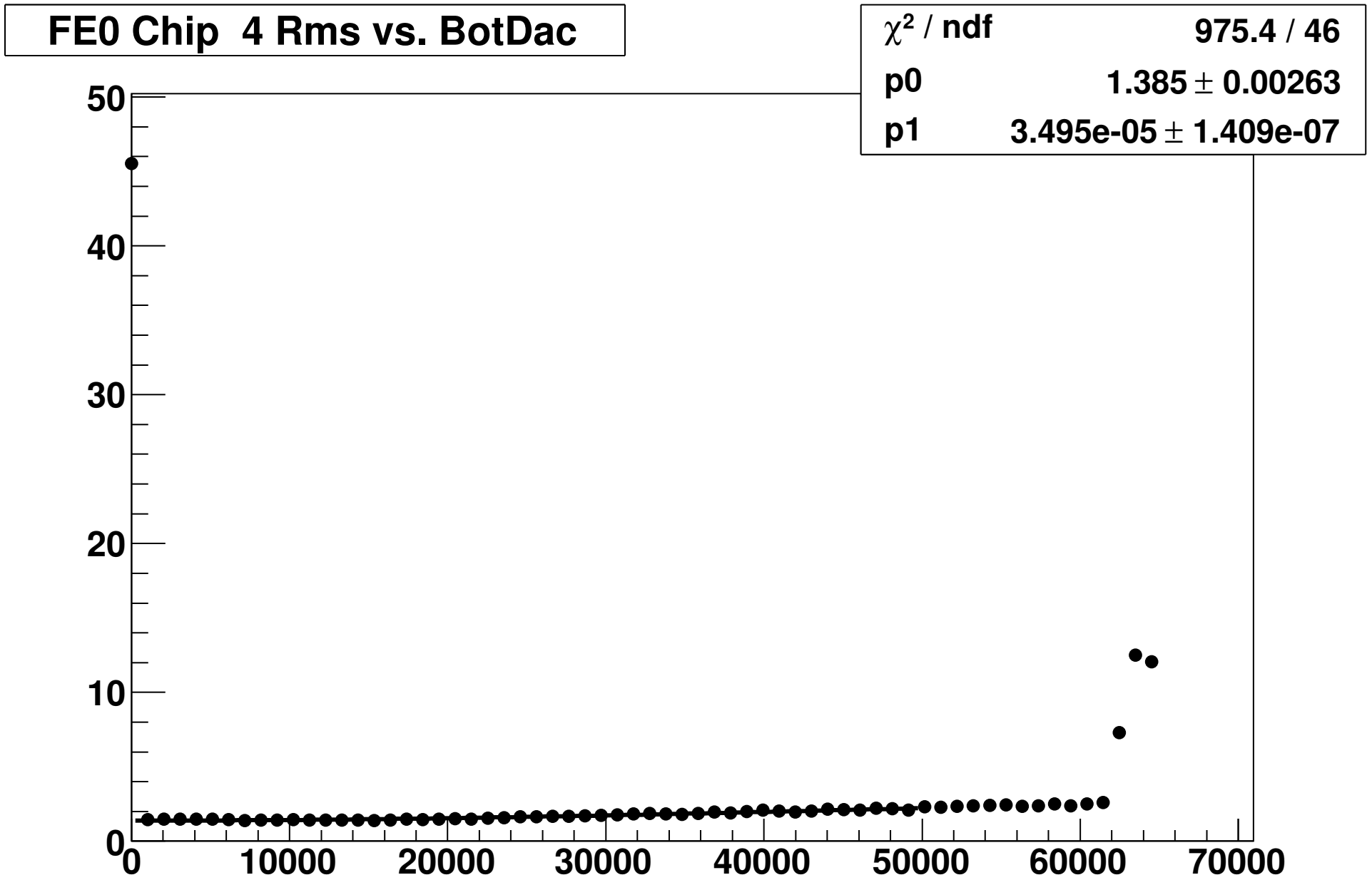
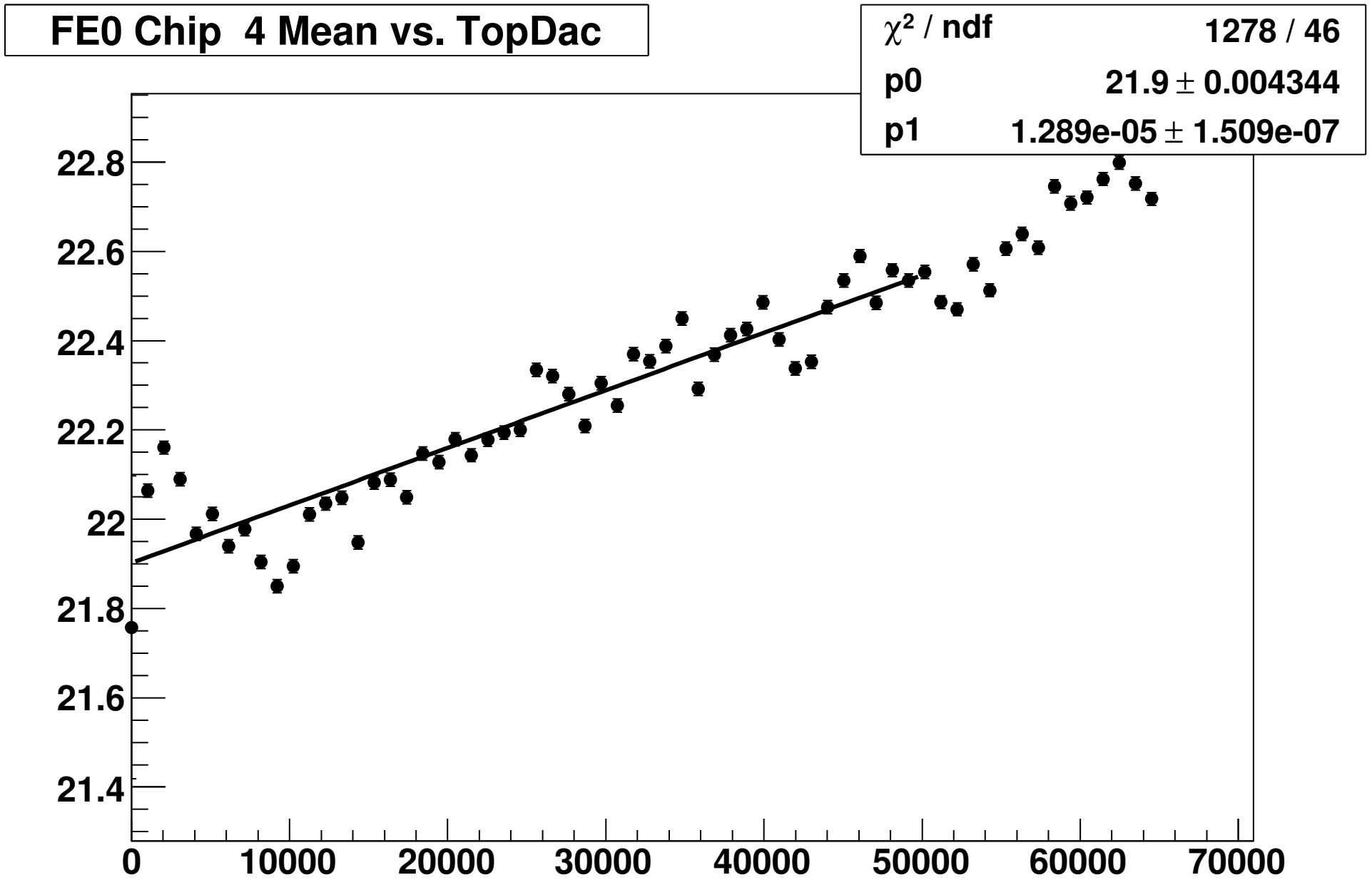

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 9.207e+04 / 46
p0 23.99 ± 0.004697
p1 0.4508 ± 1.868e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 975.4 / 46
p0 1.385 ± 0.00263
p1 3.495e-05 ± 1.409e-07
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 1278 / 46
p0 21.9 ± 0.004344
p1 1.289e-05 ± 1.509e-07
22.8
22.6
22.4
22.2
22
21.8
21.6
21.4
0
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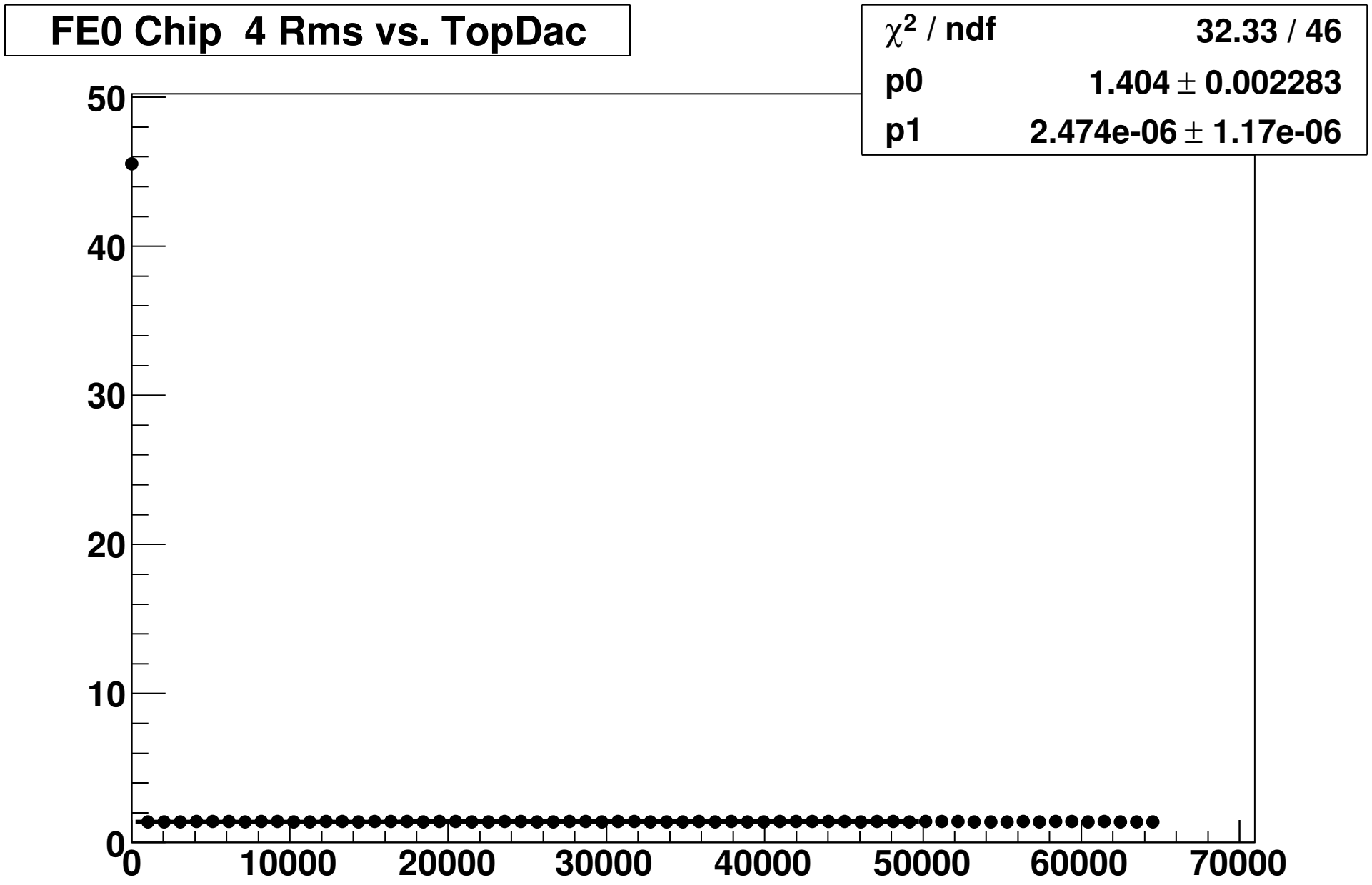
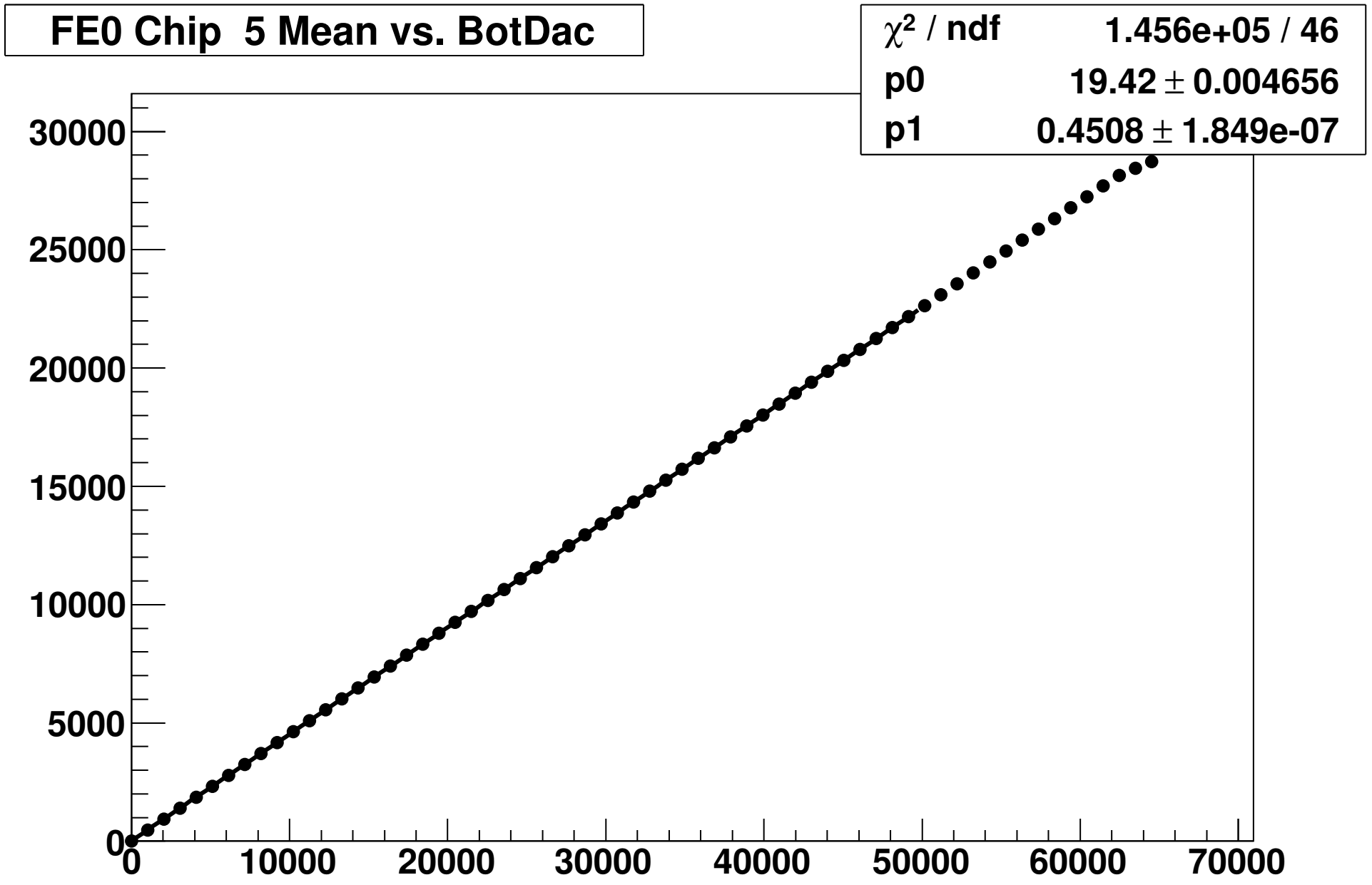
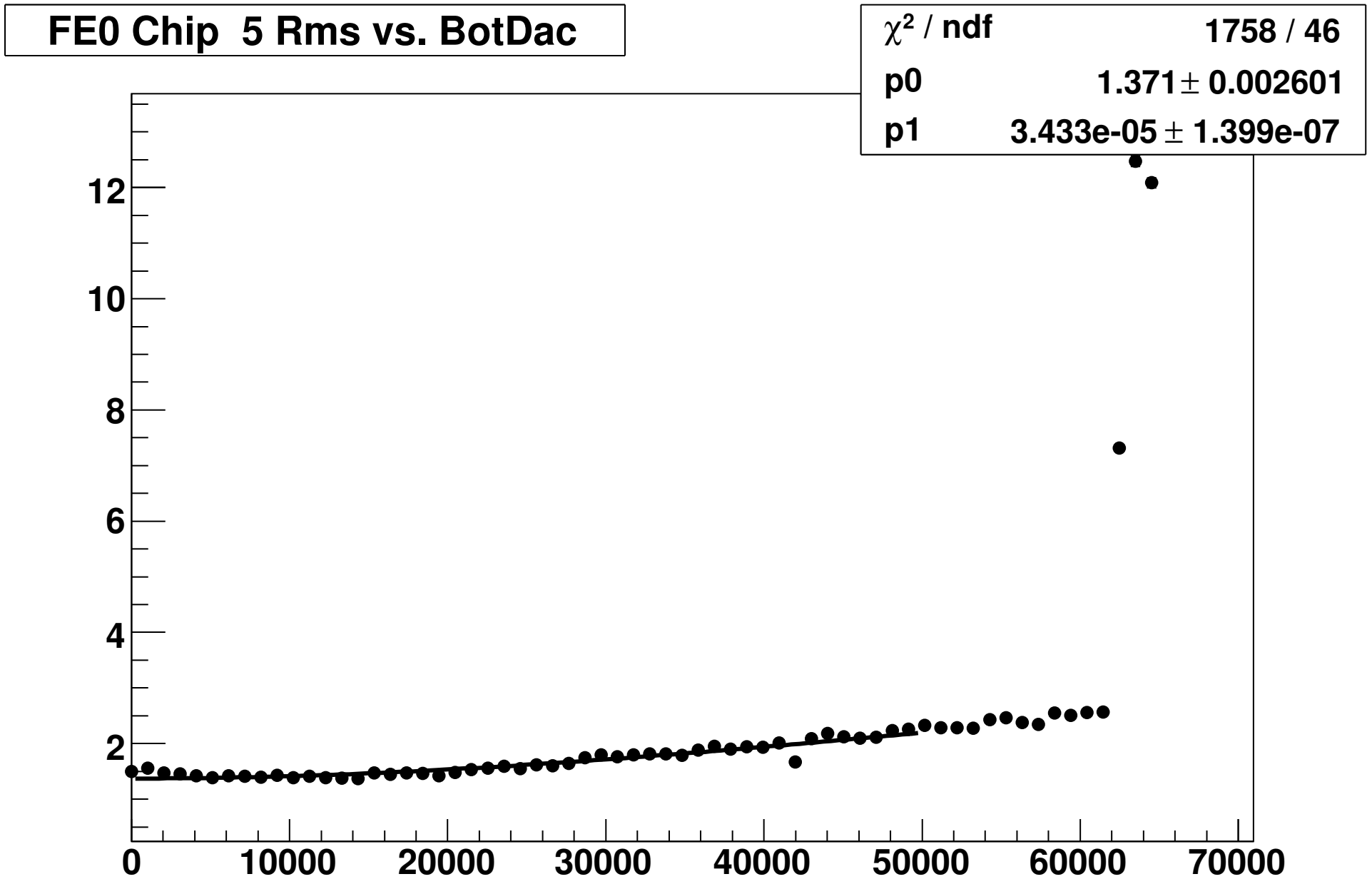
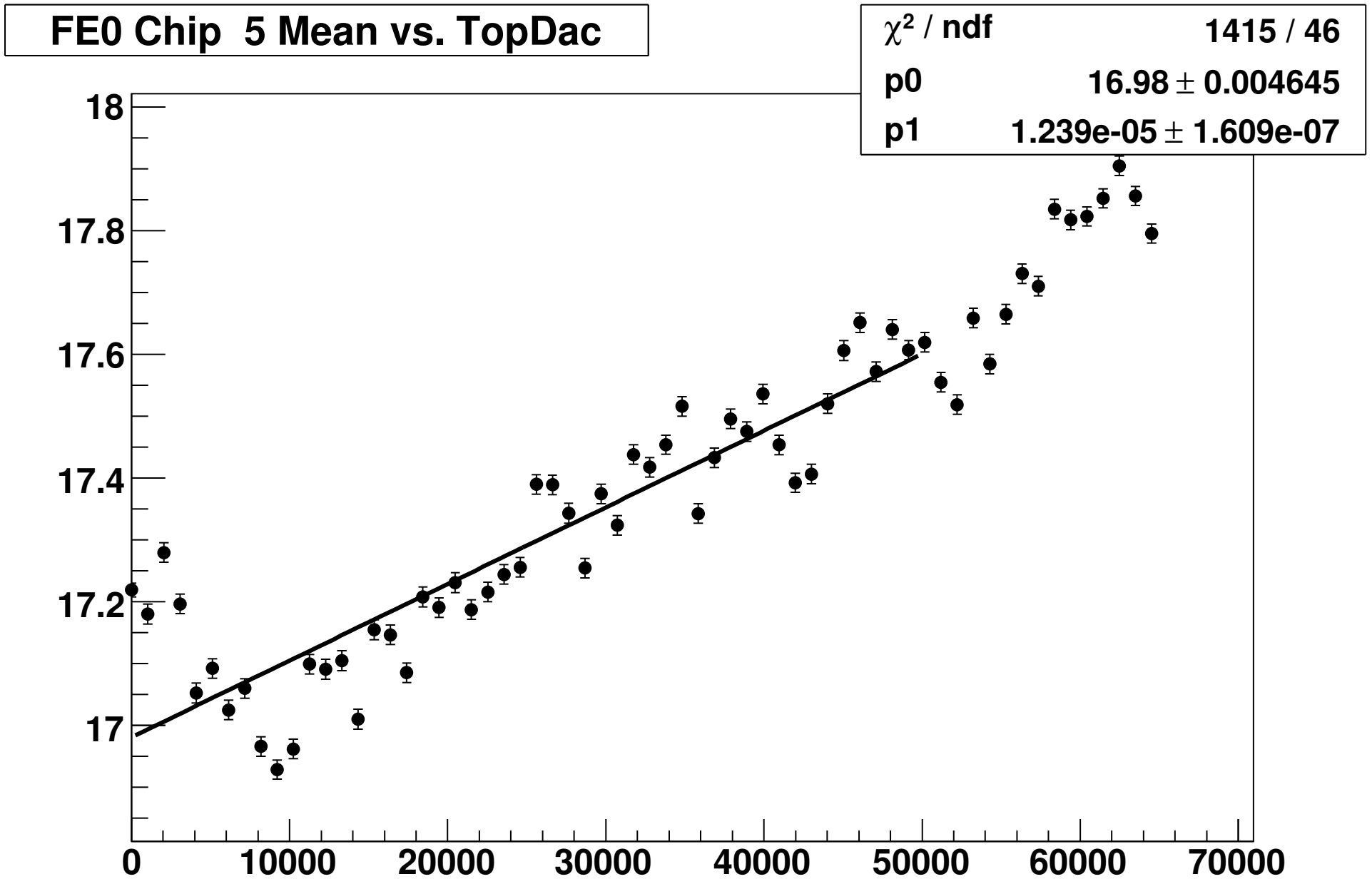
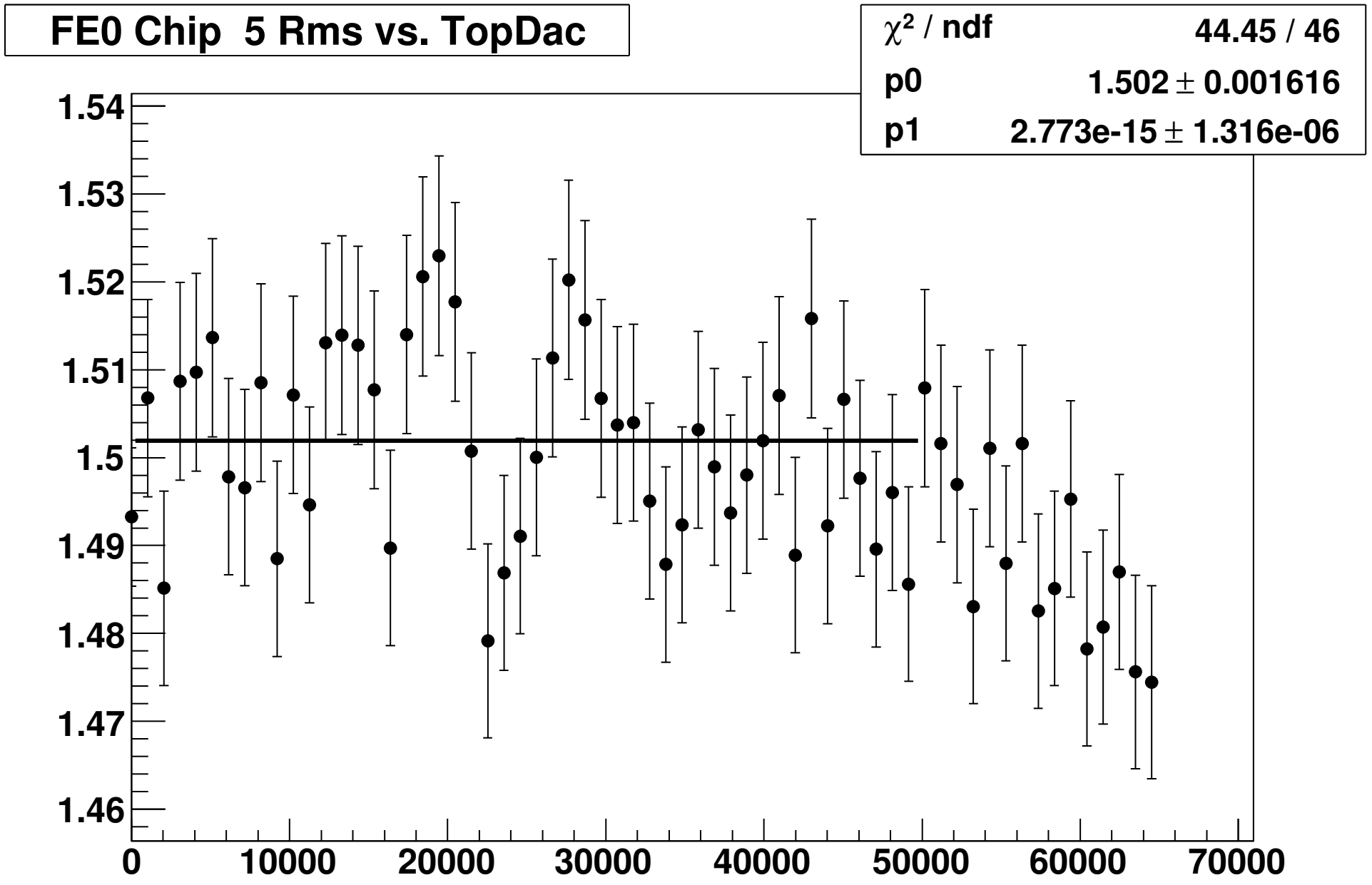
70000

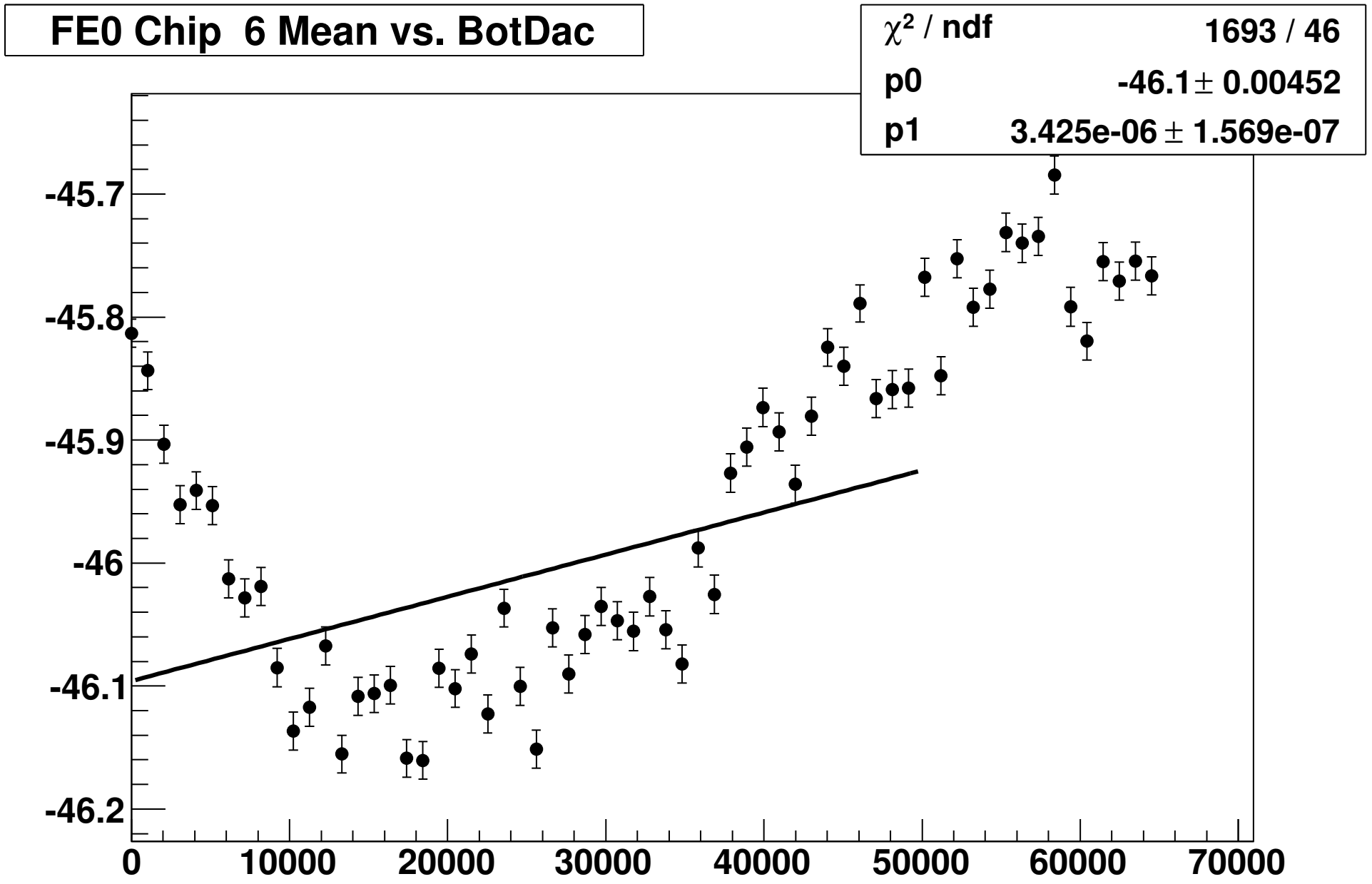

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 32.33 / 46
p0 1.404 ± 0.002283
p1 2.474e-06 ± 1.17e-06
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

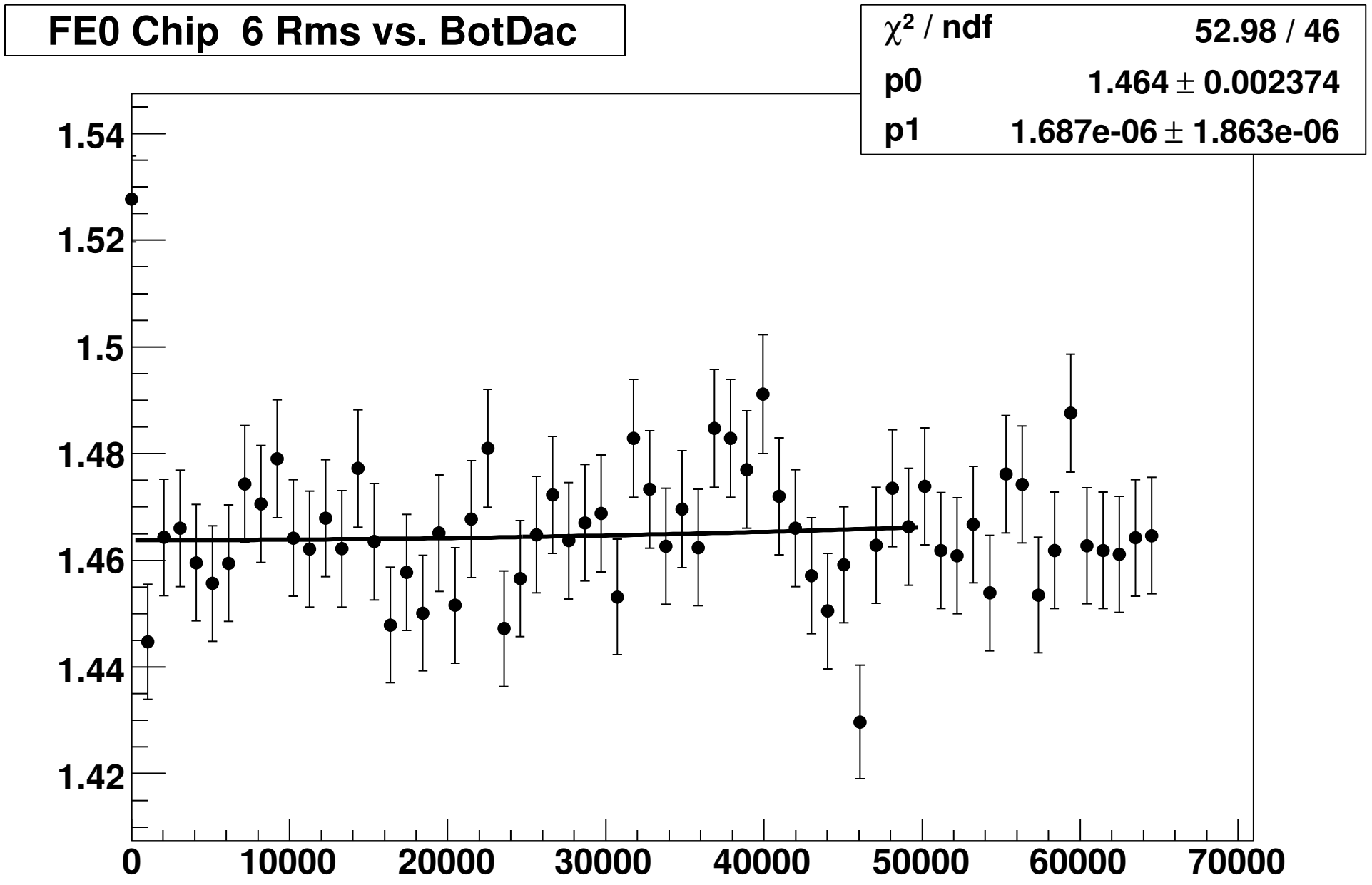

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 1.456e+05 / 46
p0 19.42 ± 0.004656
p1 0.4508 ± 1.849e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

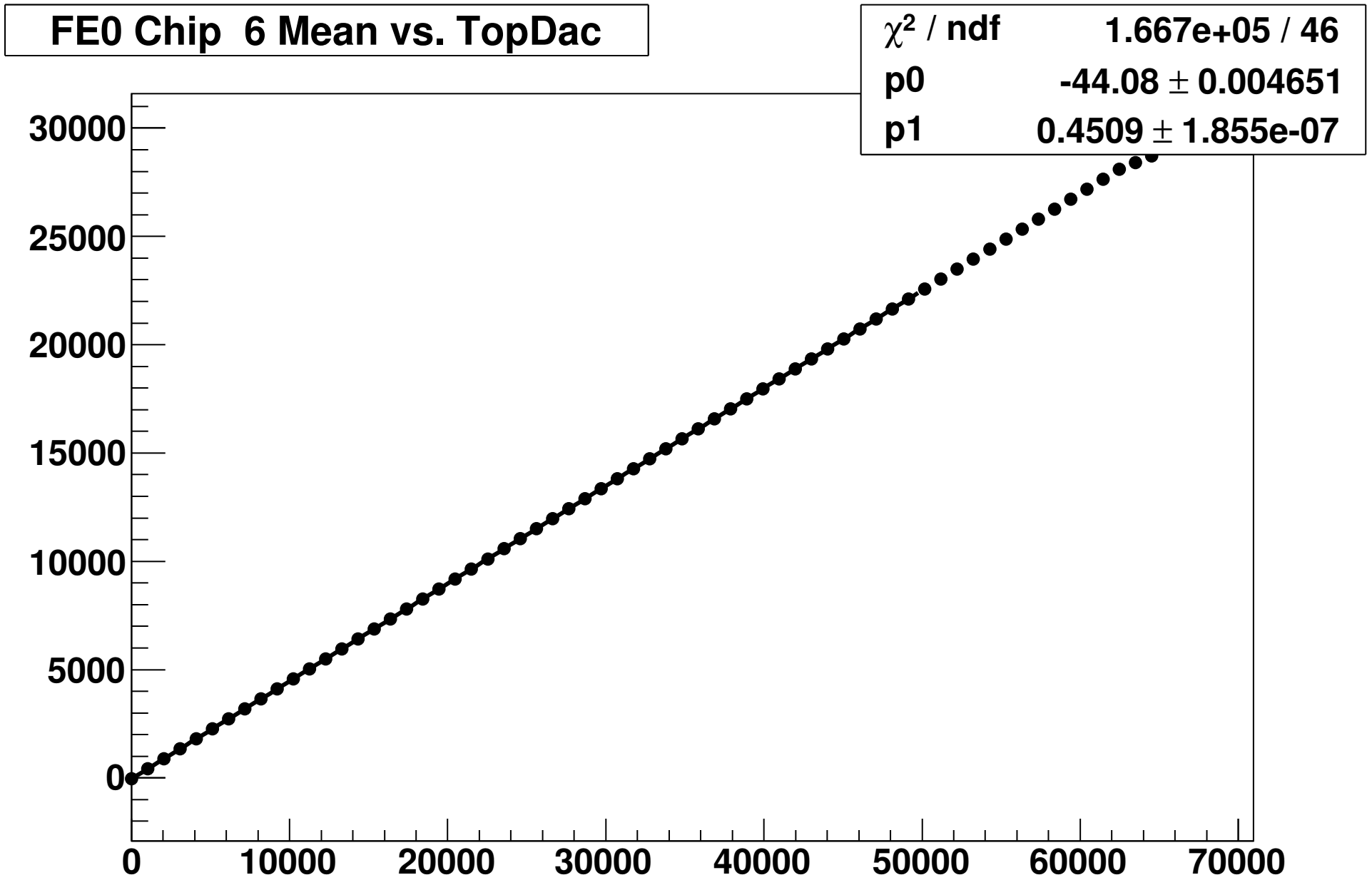

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 1758 / 46
p0 1.371 ± 0.002601
p1 3.433e-05 ± 1.399e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

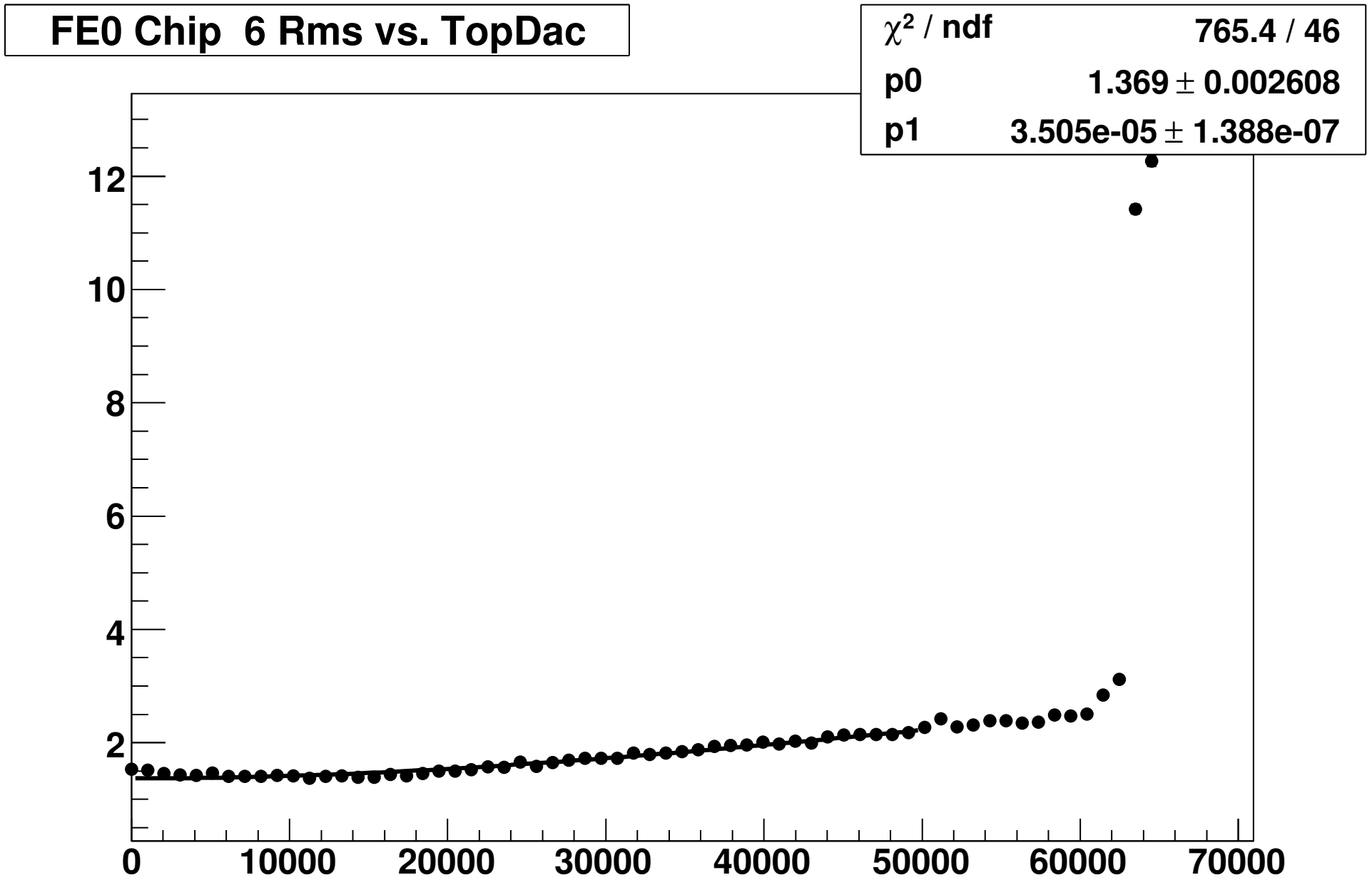

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 1415 / 46
p0 16.98 ± 0.004645
p1 1.239e-05 ± 1.609e-07
18
17.8
17.6
17.4
17.2
17
0
10000
20000
30000
40000
50000
60000
70000

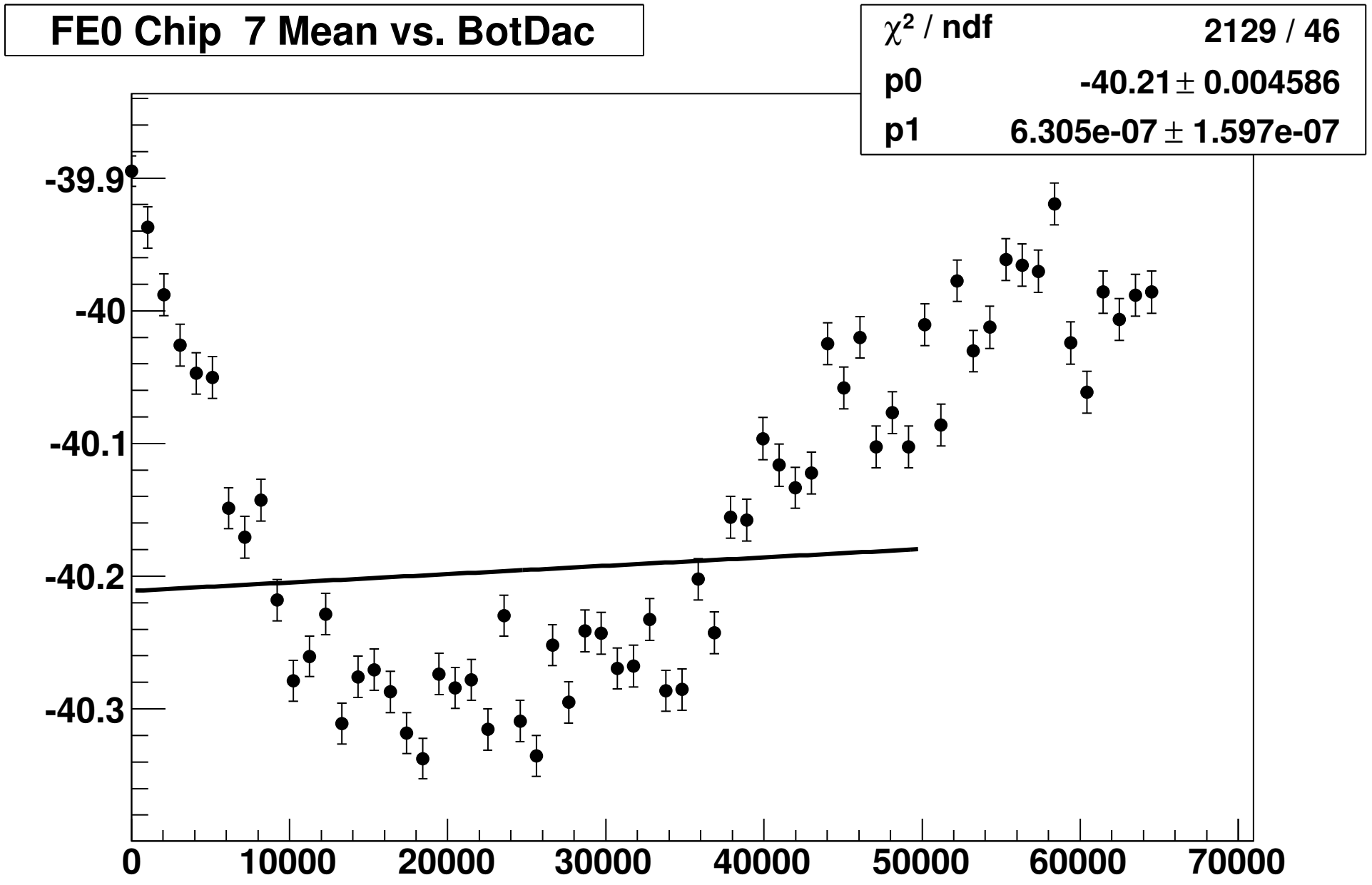

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 44.45 / 46
p0 1.502 ± 0.001616
p1 2.773e-15 ± 1.316e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

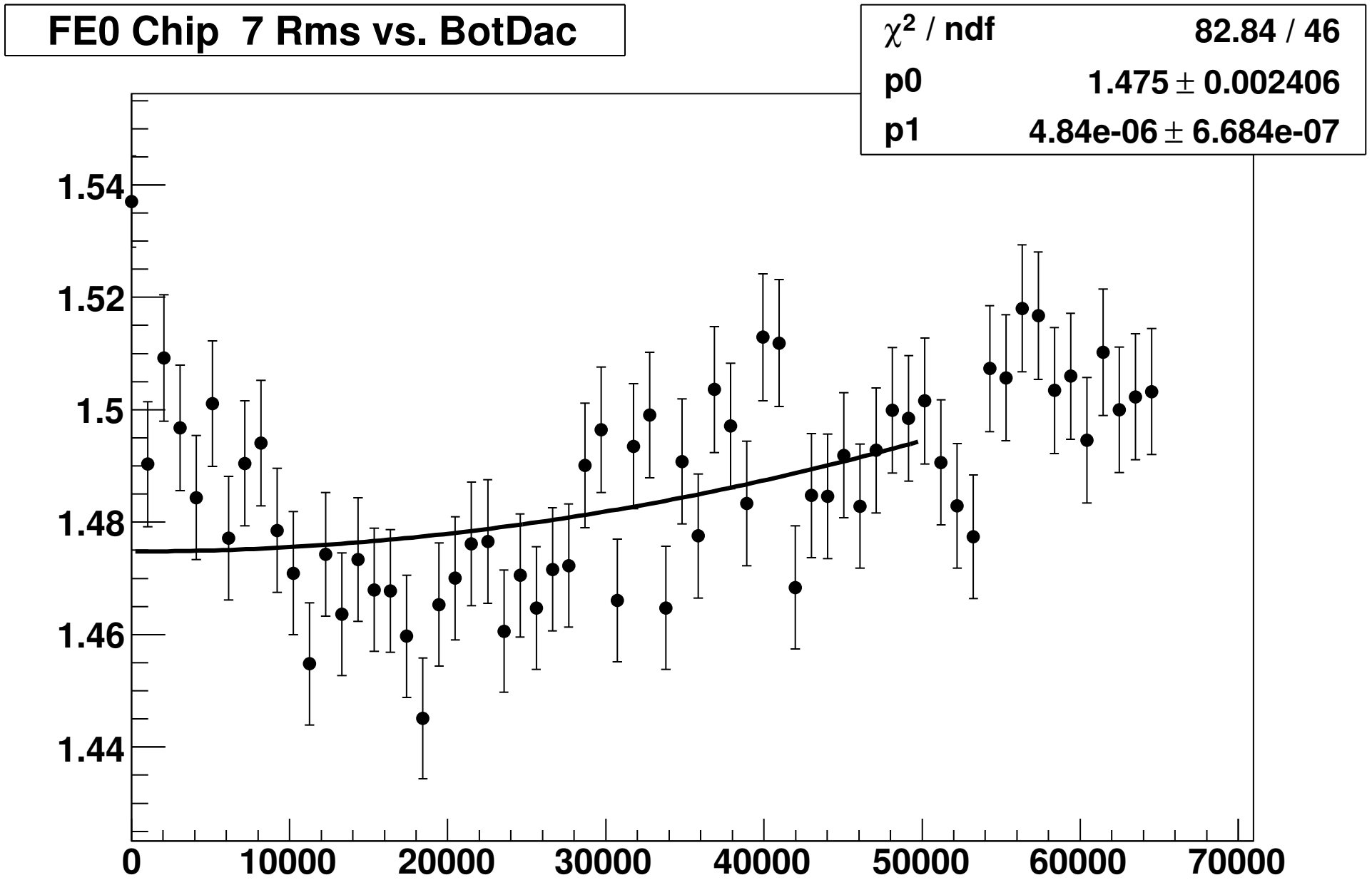

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 1693 / 46
p0 -46.1 ± 0.00452
p1 3.425e-06 ± 1.569e-07
-45.7
-45.8
-45.9
-46
-46.1
-46.2
0
10000
20000
30000
40000
50000
60000
70000

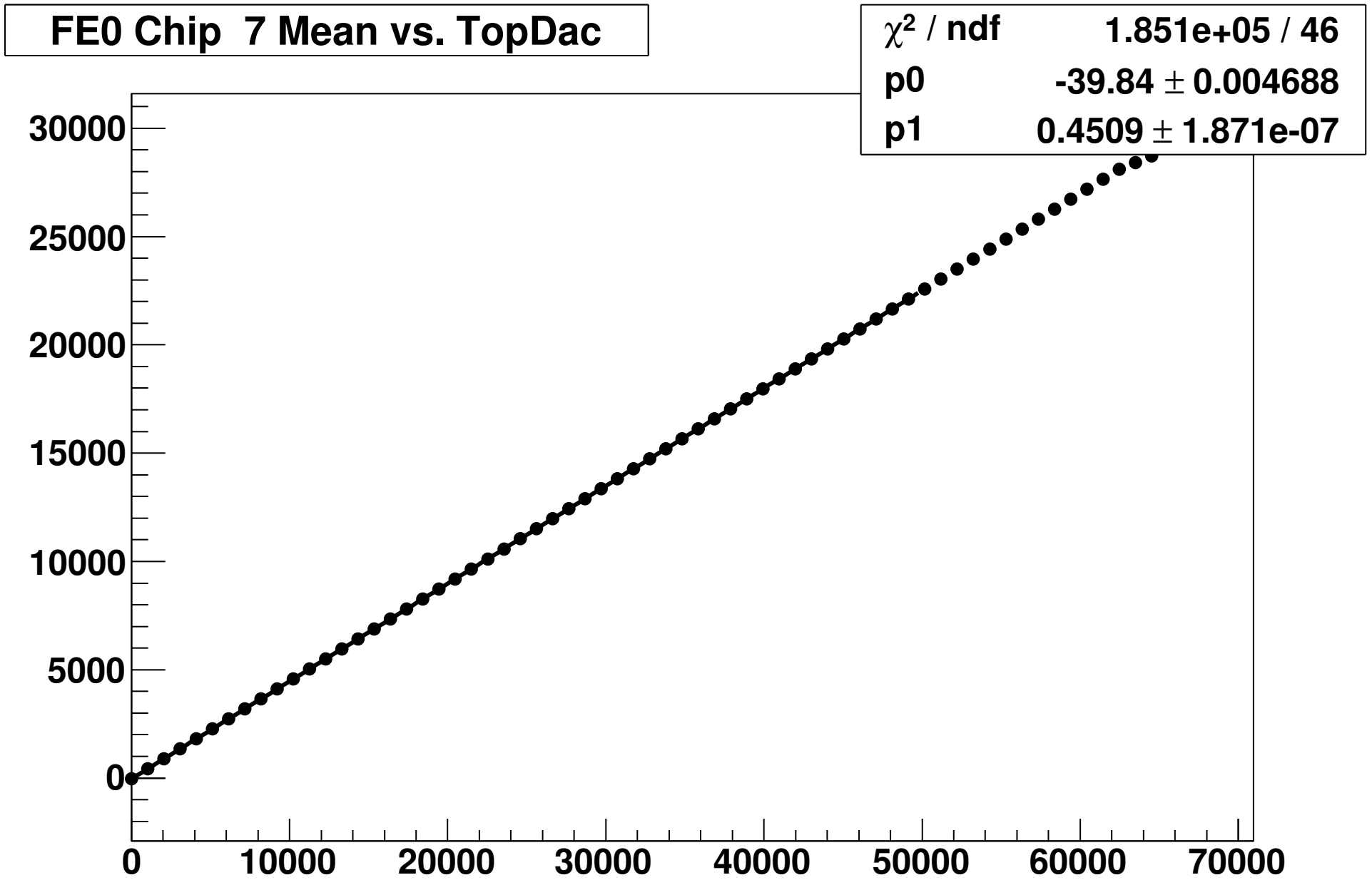

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 52.98 / 46
p0 1.464 ± 0.002374
p1 1.687e-06 ± 1.863e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

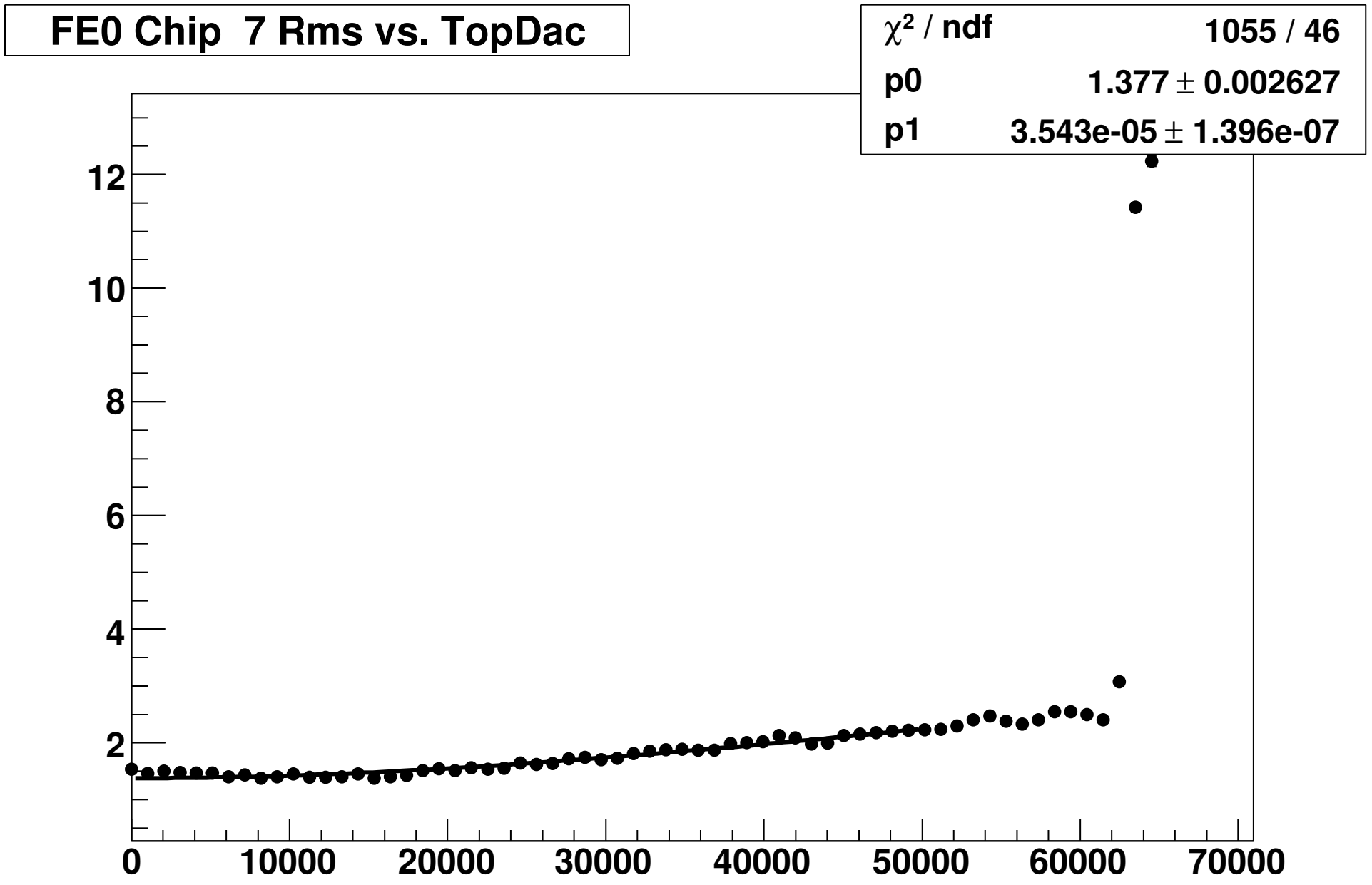

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 1.667e+05 / 46
p0 -44.08 ± 0.004651
p1 0.4509 ± 1.855e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

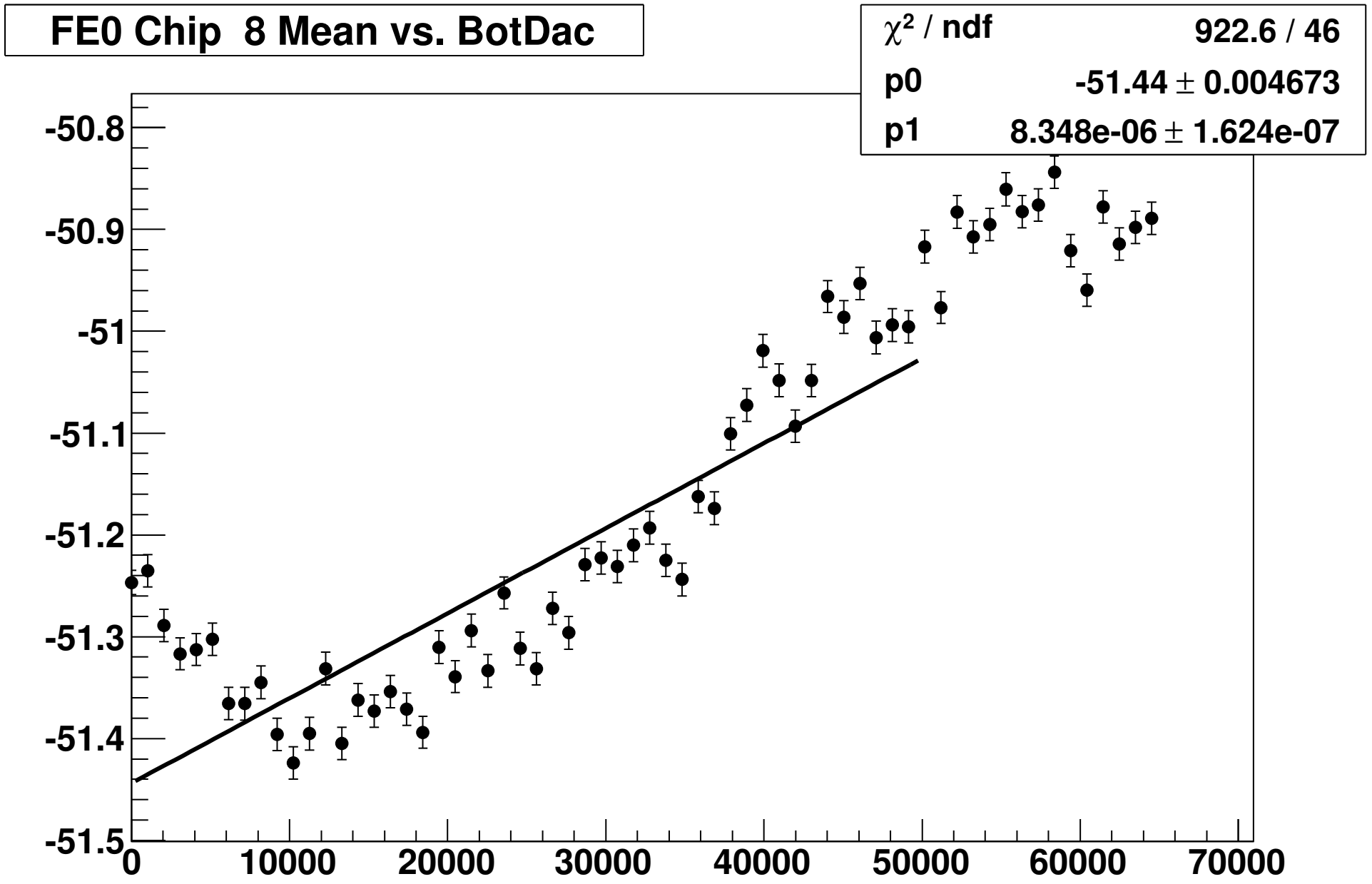

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 765.4 / 46
p0 1.369 ± 0.002608
p1 3.505e-05 ± 1.388e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

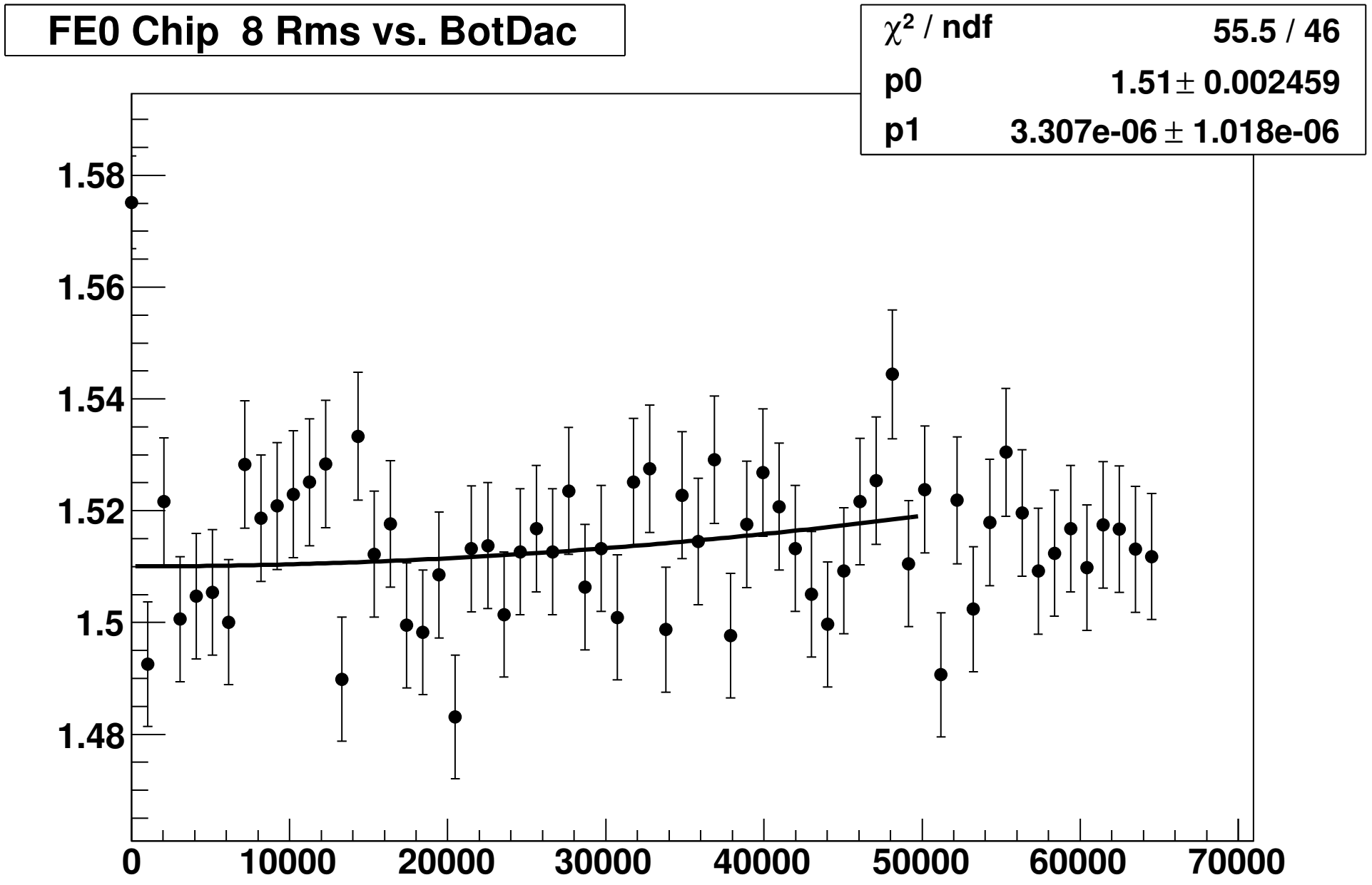

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 2129 / 46
p0 -40.21 ± 0.004586
p1 6.305e-07 ± 1.597e-07
-39.9
-40
-40.1
-40.2
-40.3
0
10000
20000
30000
40000
50000
60000
70000

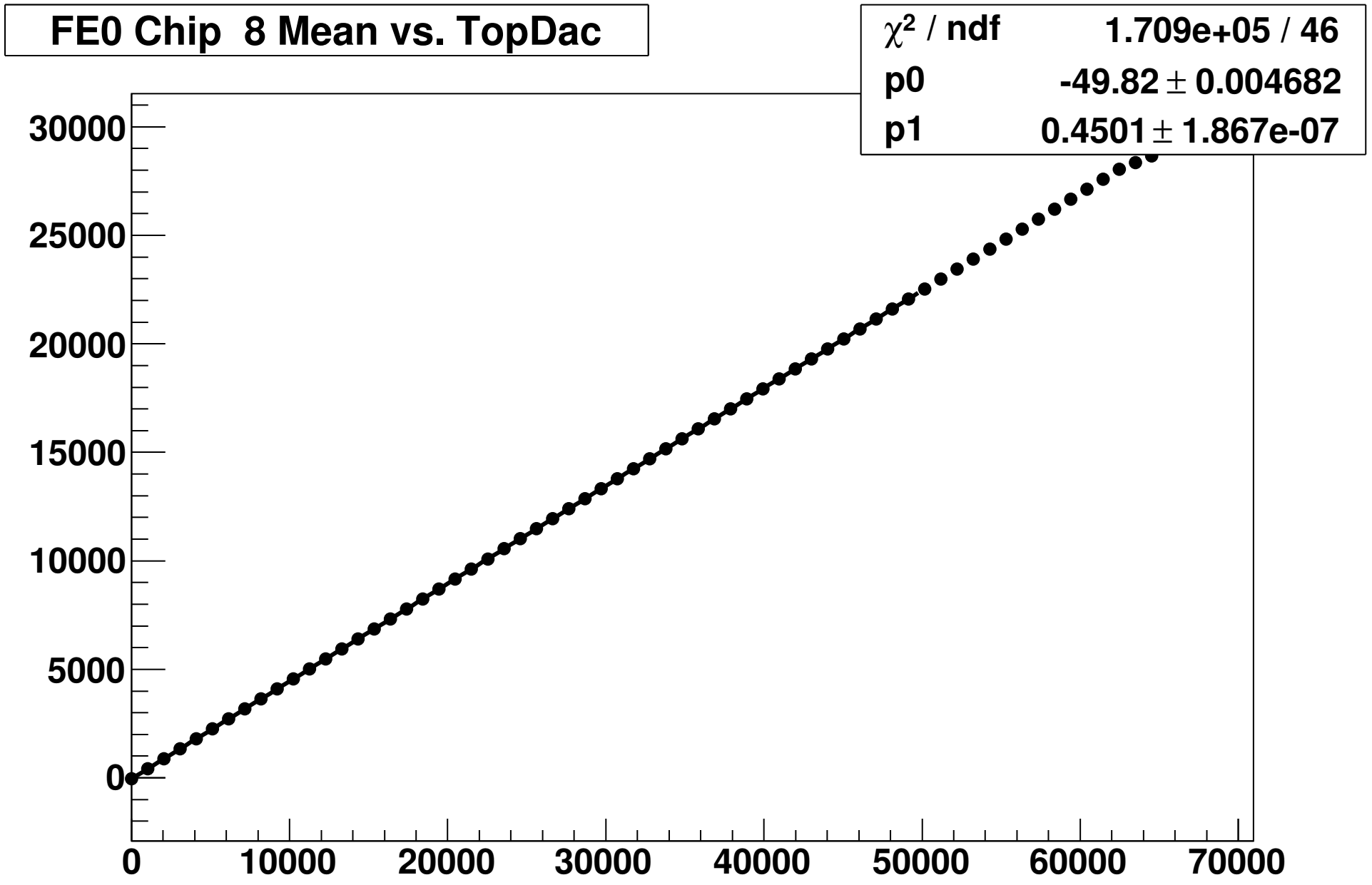

FE0 Chip 7 Rms vs. BotDac
χ² / ndf 82.84 / 46
p0 1.475 ± 0.002406
p1 4.84e-06 ± 6.684e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

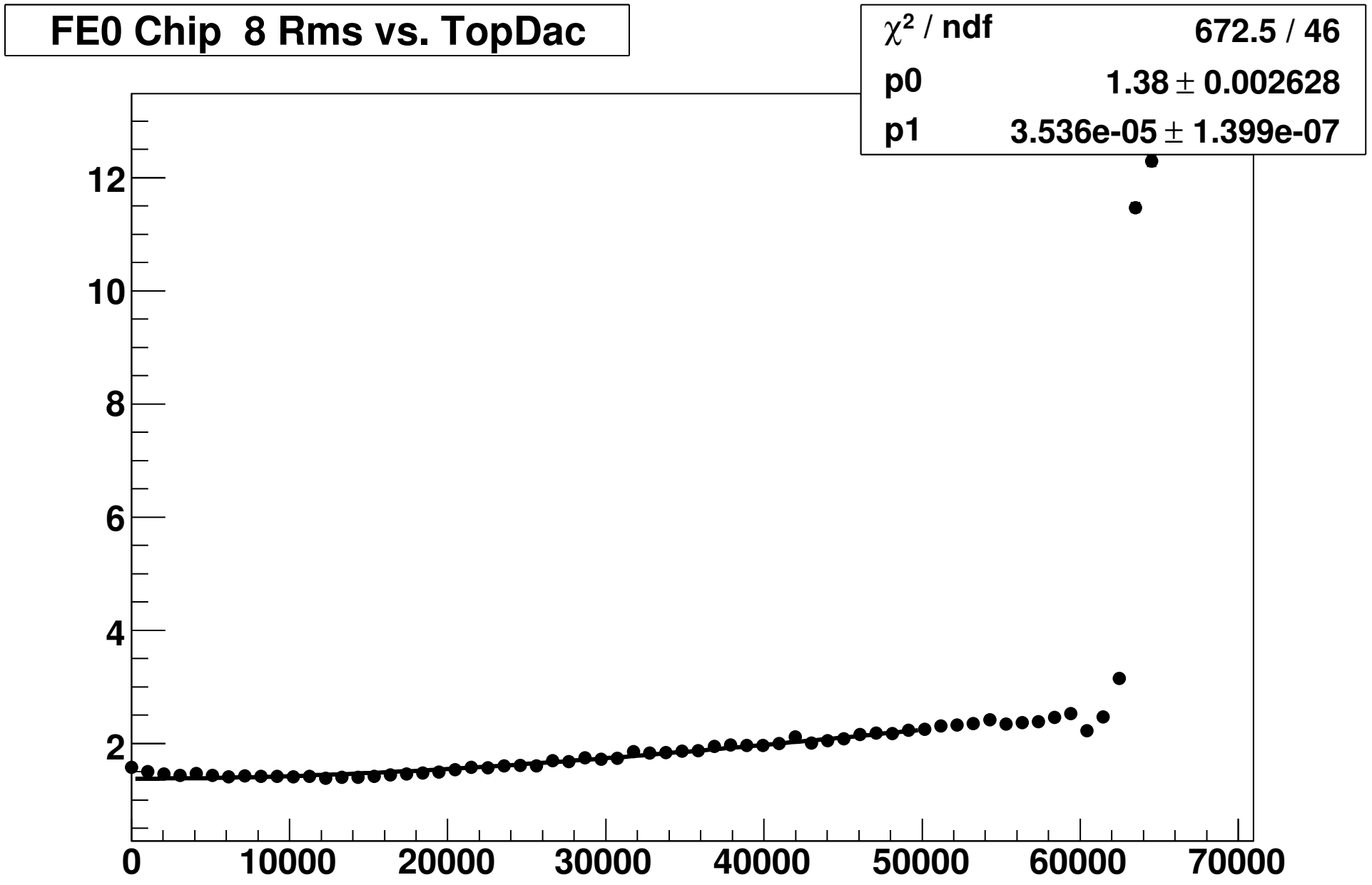

FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.851e+05 / 46
p0 -39.84 ± 0.004688
p1 0.4509 ± 1.871e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

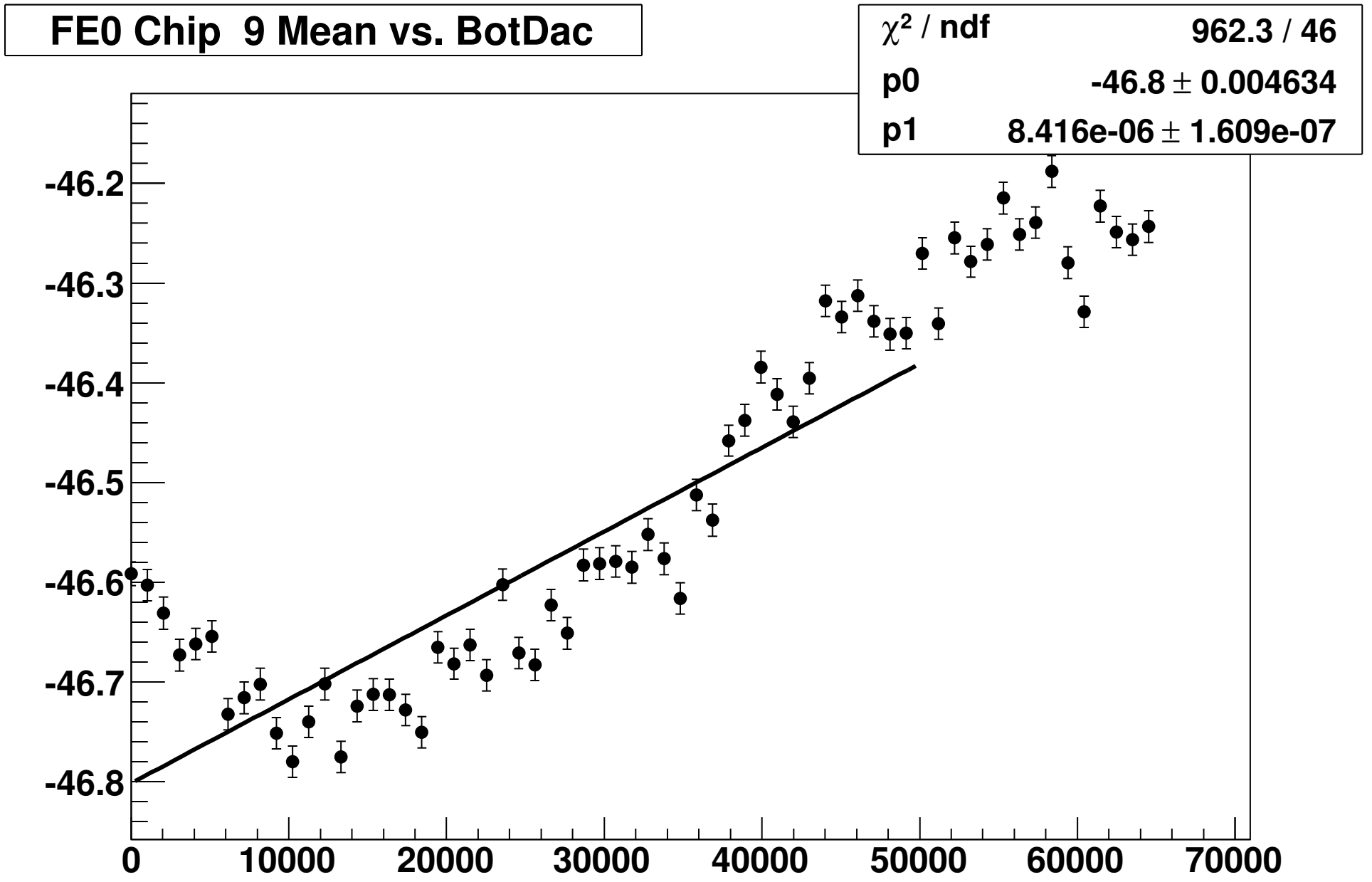

FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1055 / 46
p0 1.377 ± 0.002627
p1 3.543e-05 ± 1.396e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

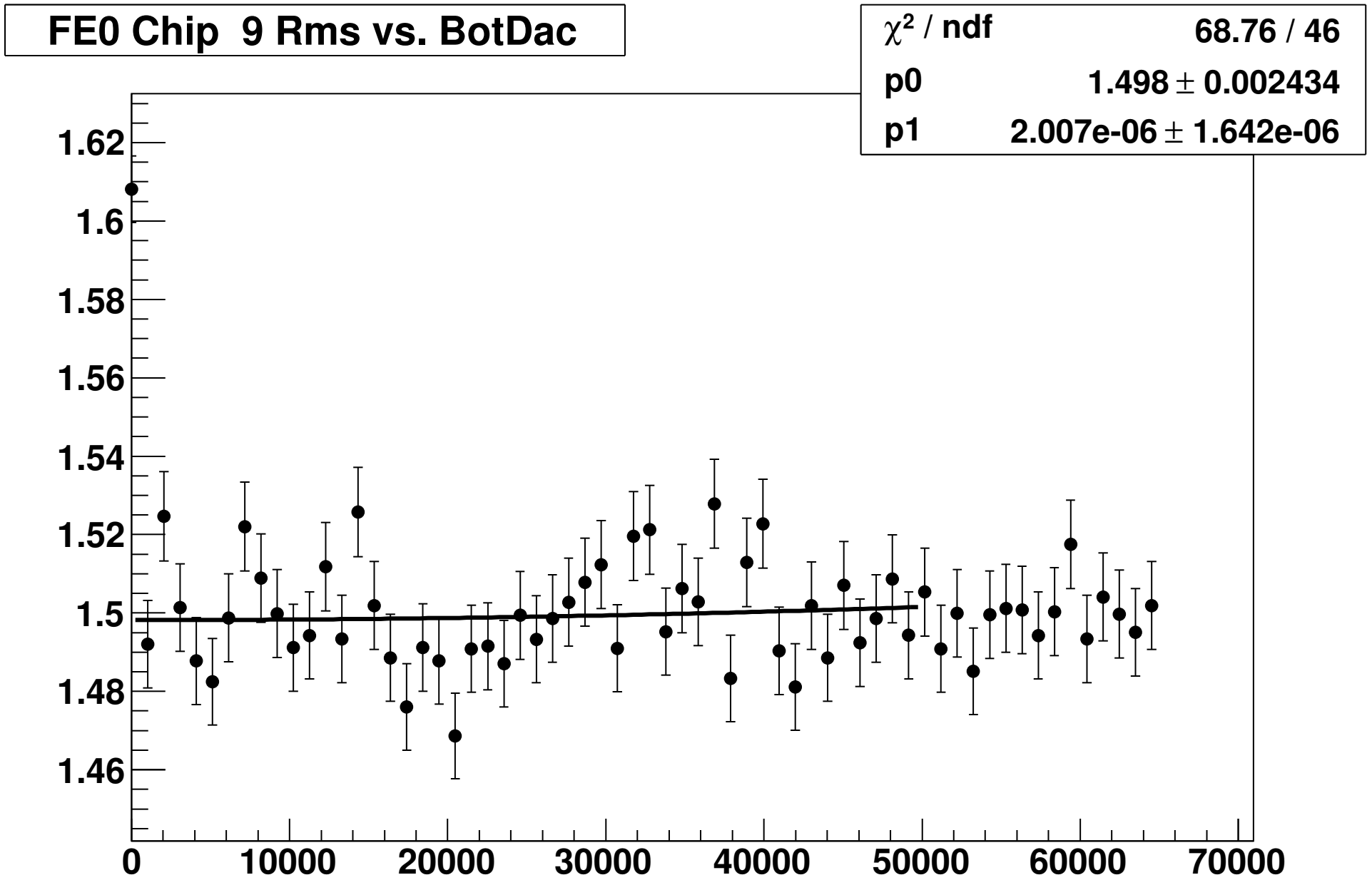

FE0 Chip 8 Mean vs. BotDac
χ² / ndf 922.6 / 46
p0 -51.44 ± 0.004673
p1 8.348e-06 ± 1.624e-07
-50.8
-50.9
-51
-51.1
-51.2
-51.3
-51.4
-51.5
0
10000
20000
30000
40000
50000
60000
70000

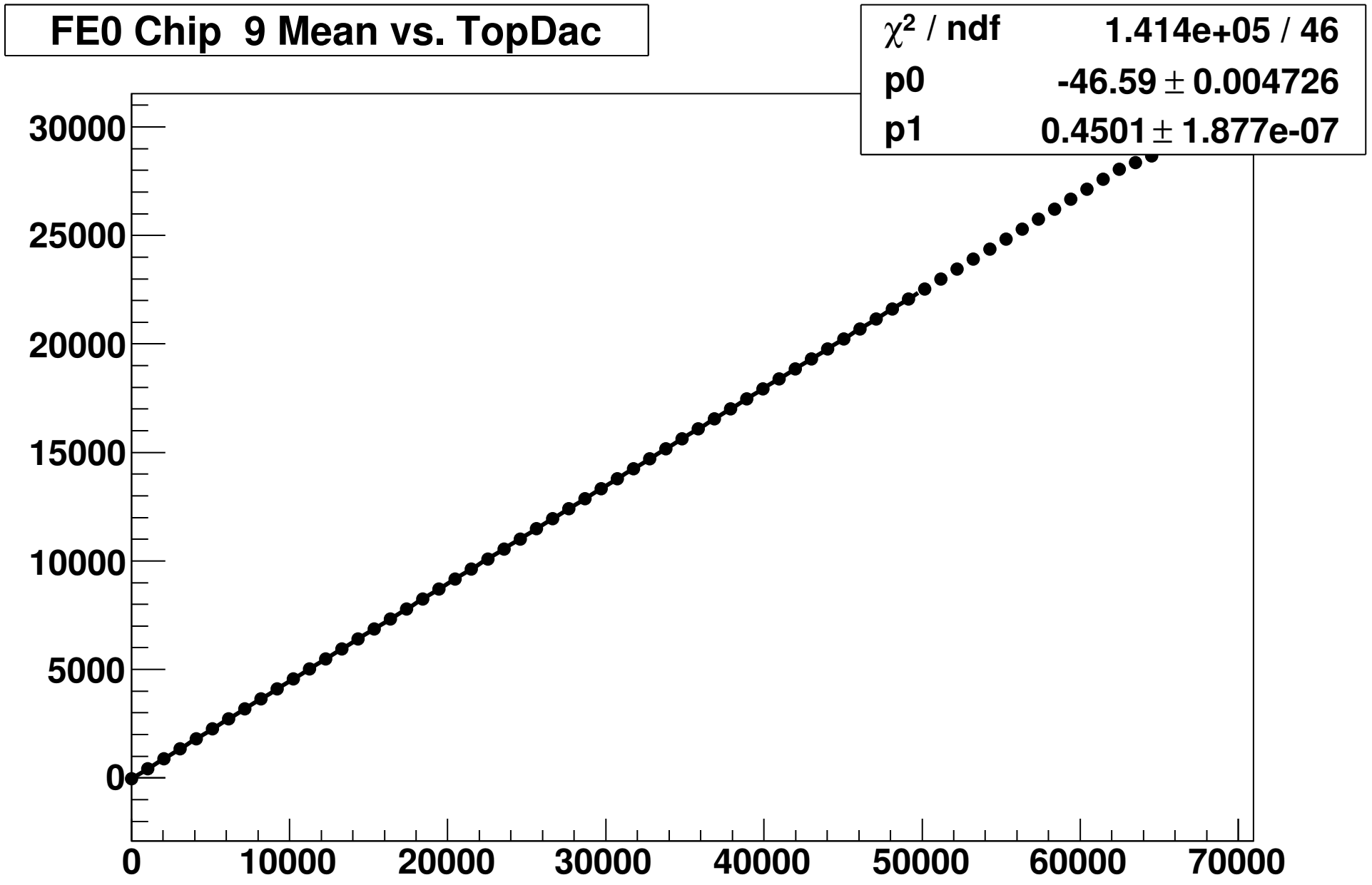

FE0 Chip 8 Rms vs. BotDac
χ² / ndf 55.5 / 46
p0 1.51 ± 0.002459
p1 3.307e-06 ± 1.018e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

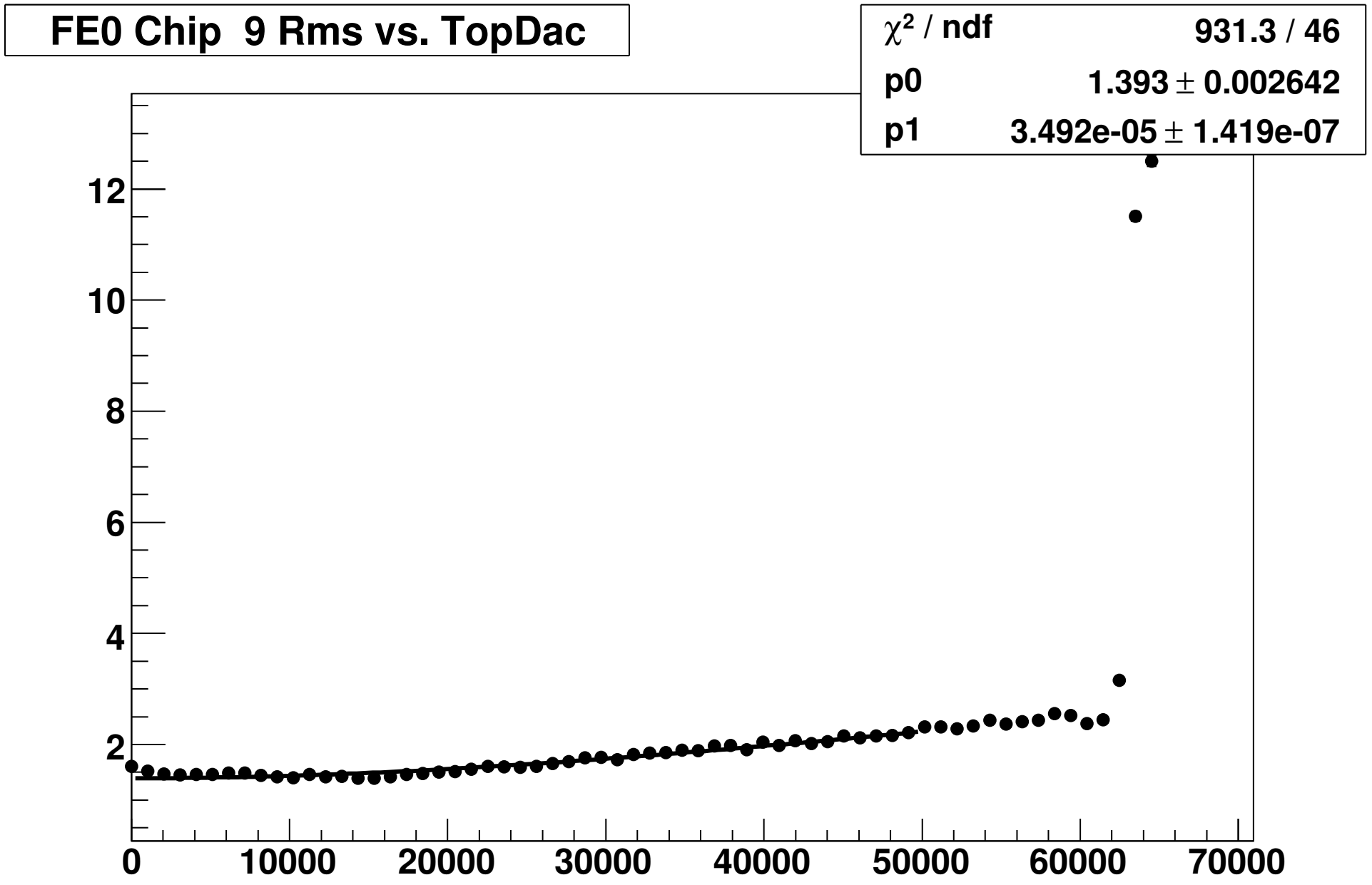

FE0 Chip 8 Mean vs. TopDac
χ² / ndf 1.709e+05 / 46
p0 -49.82 ± 0.004682
p1 0.4501 ± 1.867e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

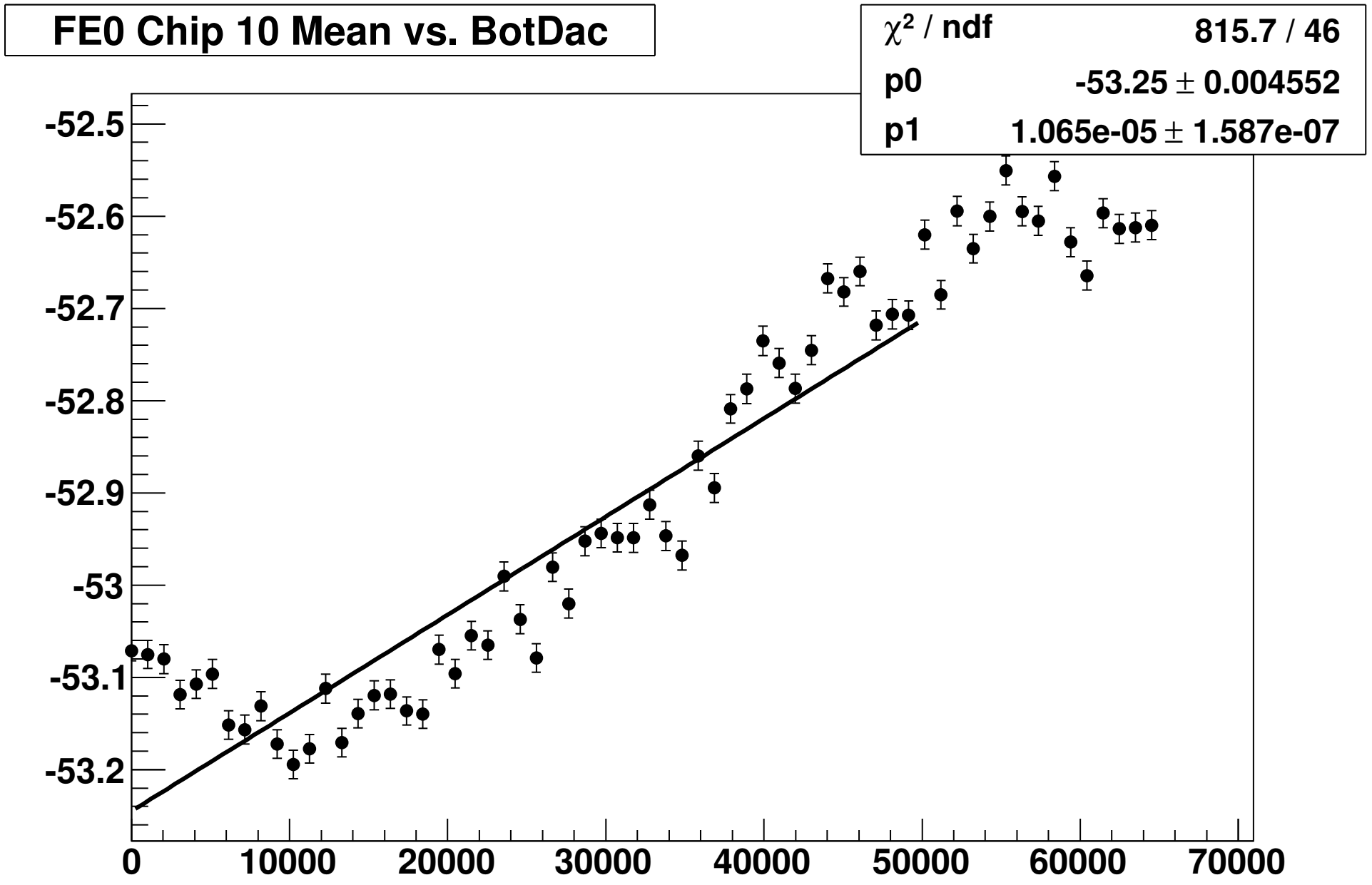

FE0 Chip 8 Rms vs. TopDac
χ² / ndf 672.5 / 46
p0 1.38 ± 0.002628
p1 3.536e-05 ± 1.399e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

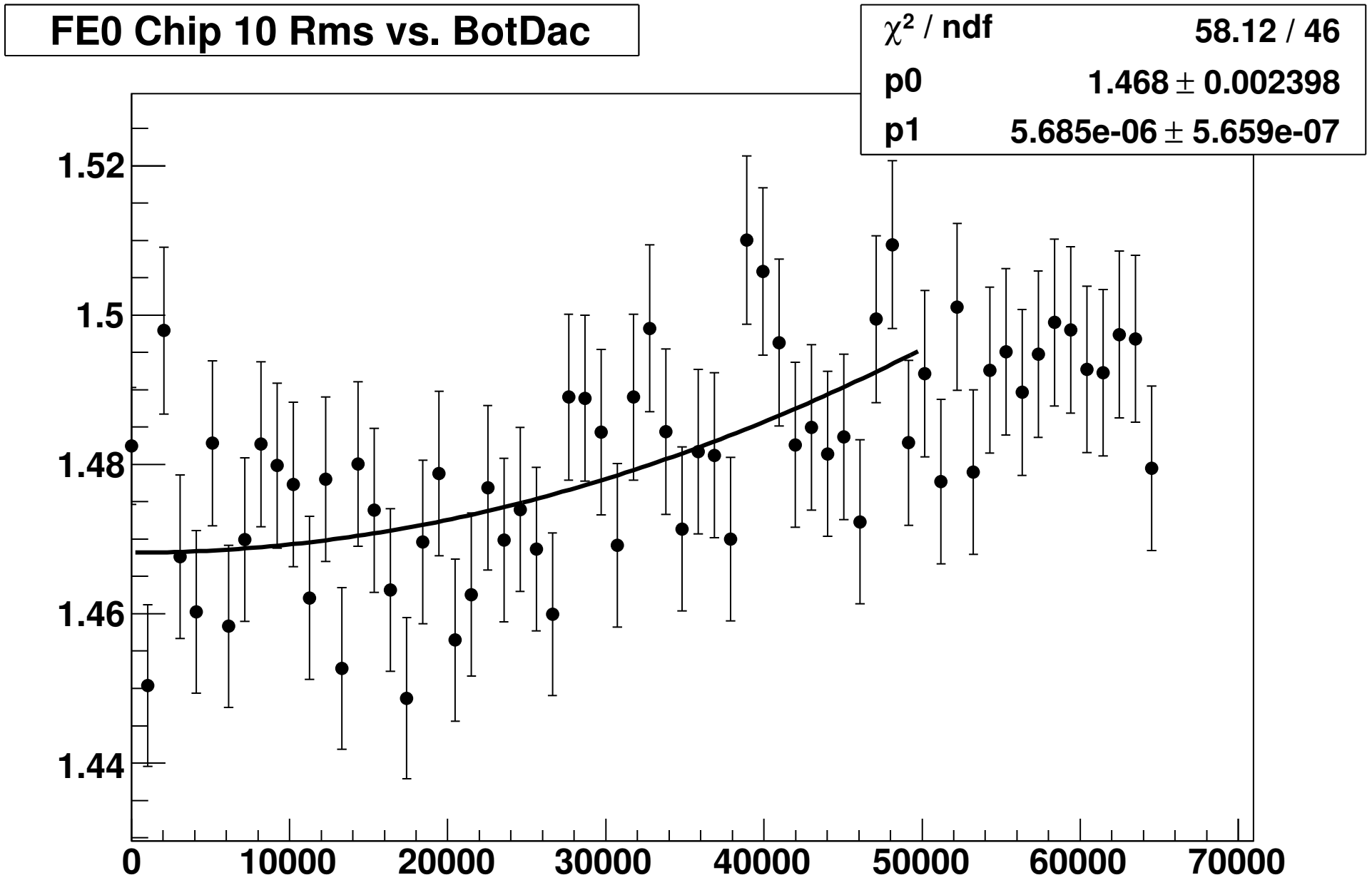

FE0 Chip 9 Mean vs. BotDac
χ² / ndf 962.3 / 46
p0 -46.8 ± 0.004634
p1 8.416e-06 ± 1.609e-07
-46.2
-46.3
-46.4
-46.5
-46.6
-46.7
-46.8
0
10000
20000
30000
40000
50000
60000
70000

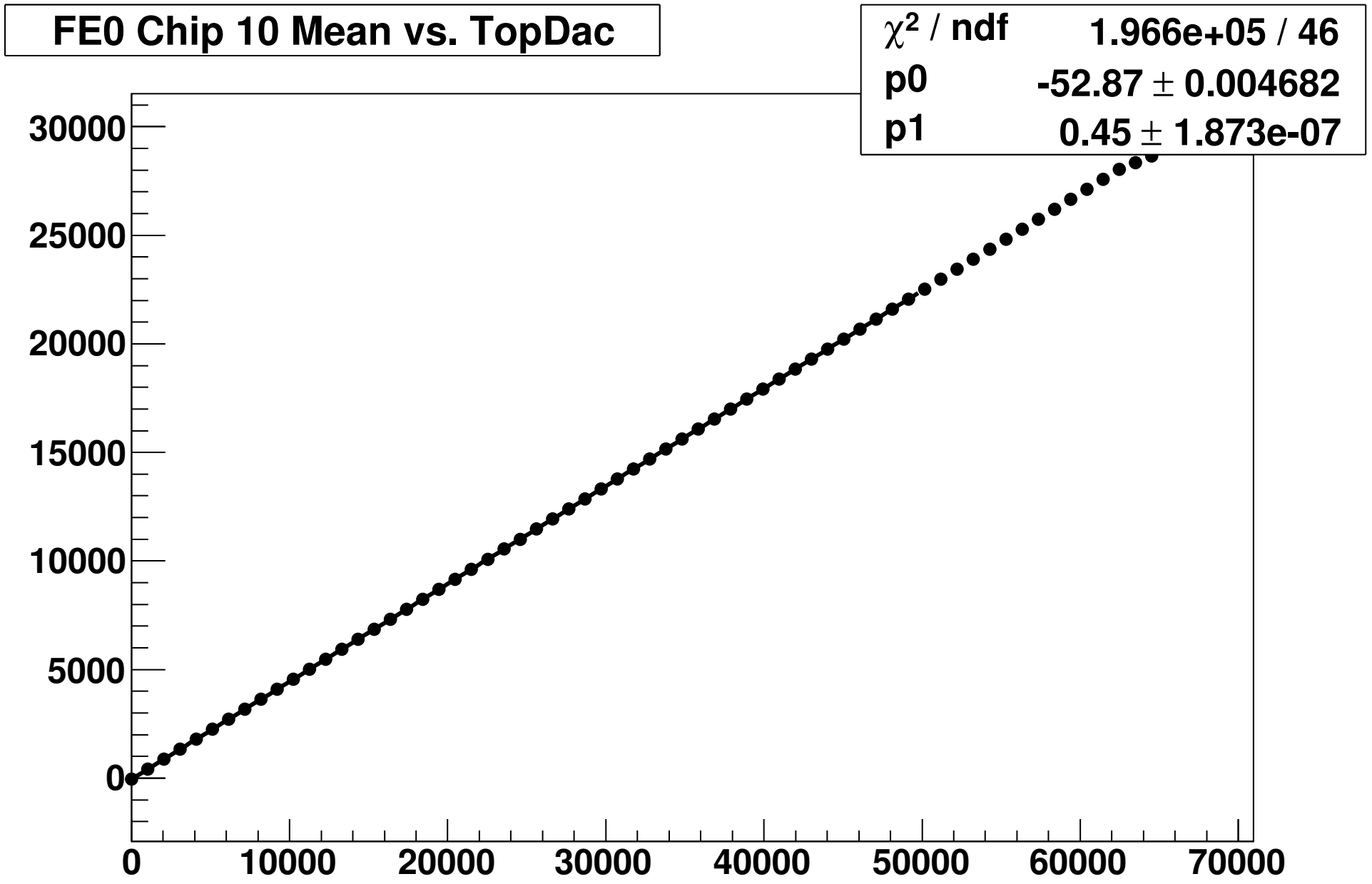

FE0 Chip 9 Rms vs. BotDac
χ² / ndf 68.76 / 46
p0 1.498 ± 0.002434
p1 2.007e-06 ± 1.642e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.414e+05 / 46
p0 -46.59 ± 0.004726
p1 0.4501 ± 1.877e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 931.3 / 46
p0 1.393 ± 0.002642
p1 3.492e-05 ± 1.419e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 815.7 / 46
p0 -53.25 ± 0.004552
p1 1.065e-05 ± 1.587e-07
-52.5
-52.6
-52.7
-52.8
-52.9
-53
-53.1
-53.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 58.12 / 46
p0 1.468 ± 0.002398
p1 5.685e-06 ± 5.659e-07
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.966e+05 / 46
p0 -52.87 ± 0.004682
p1 0.45 ± 1.873e-07
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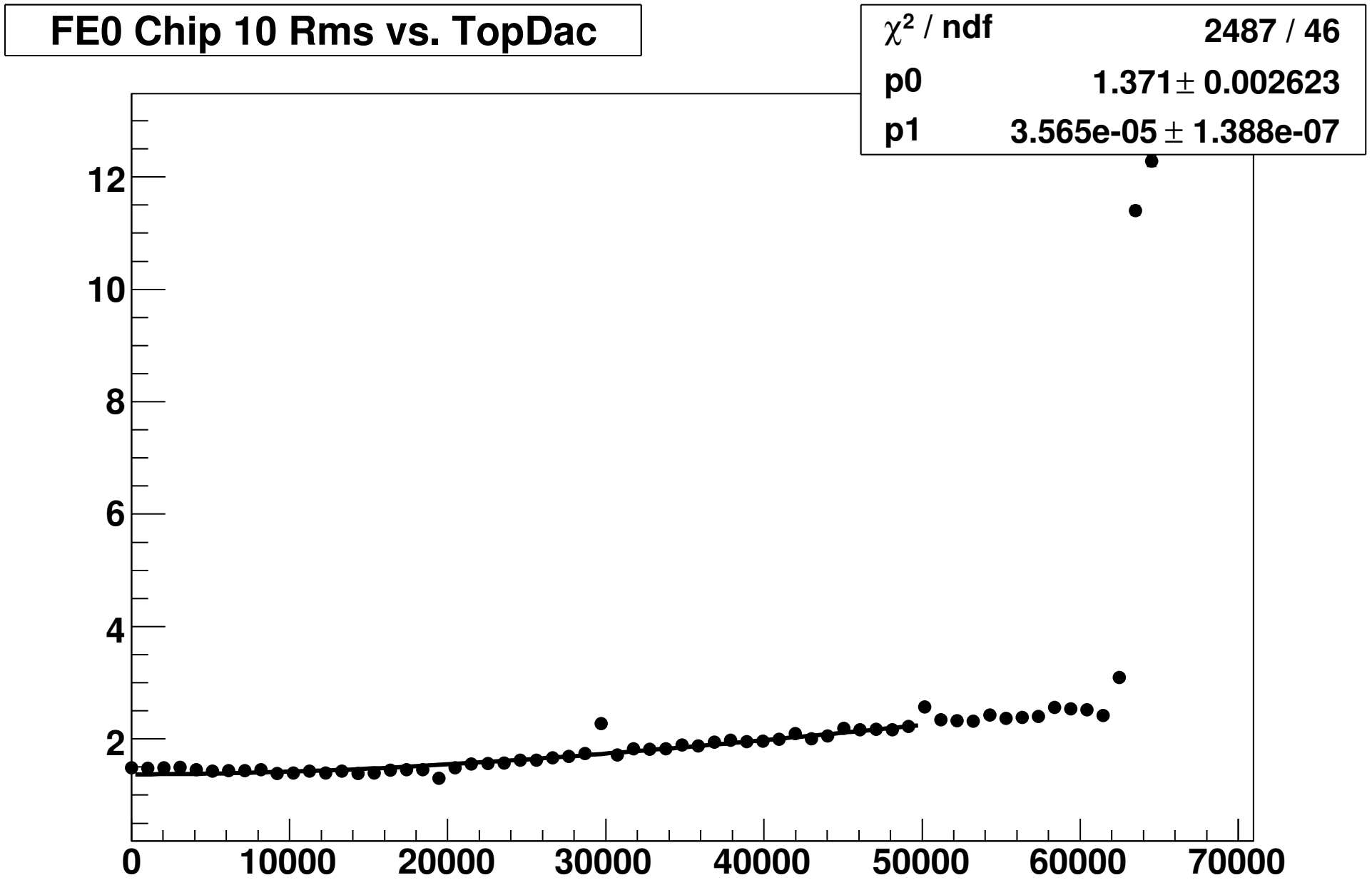
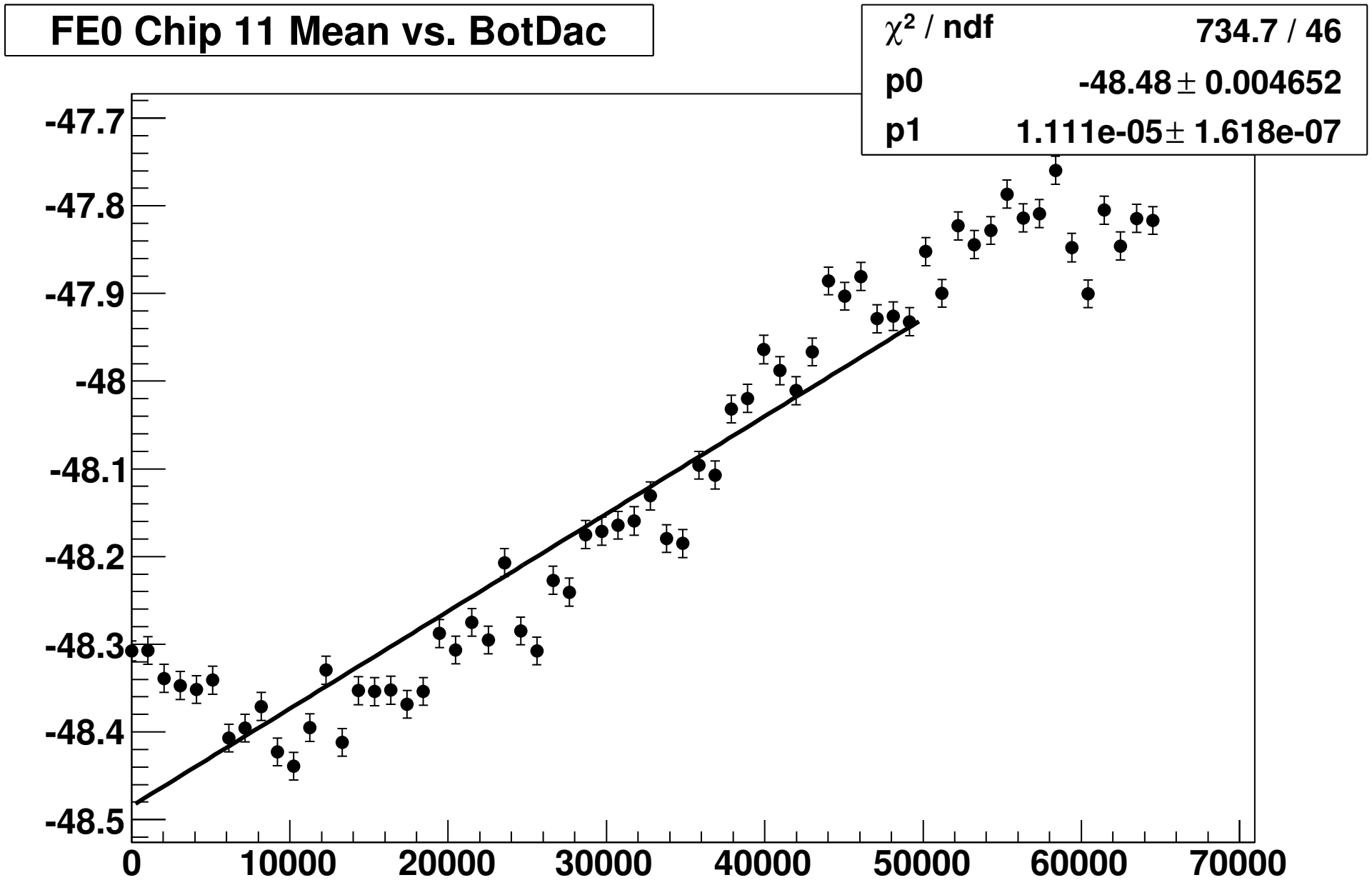
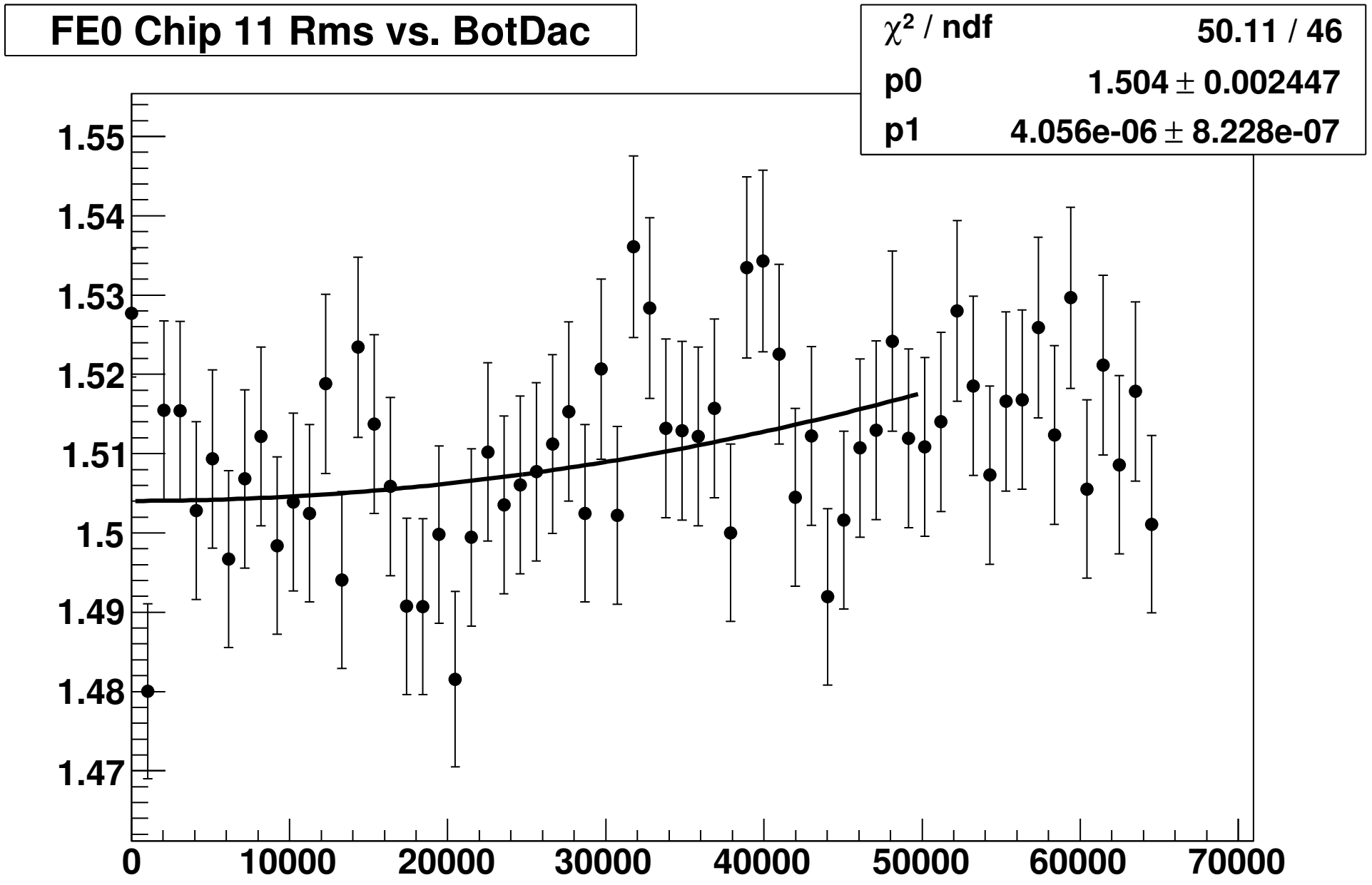
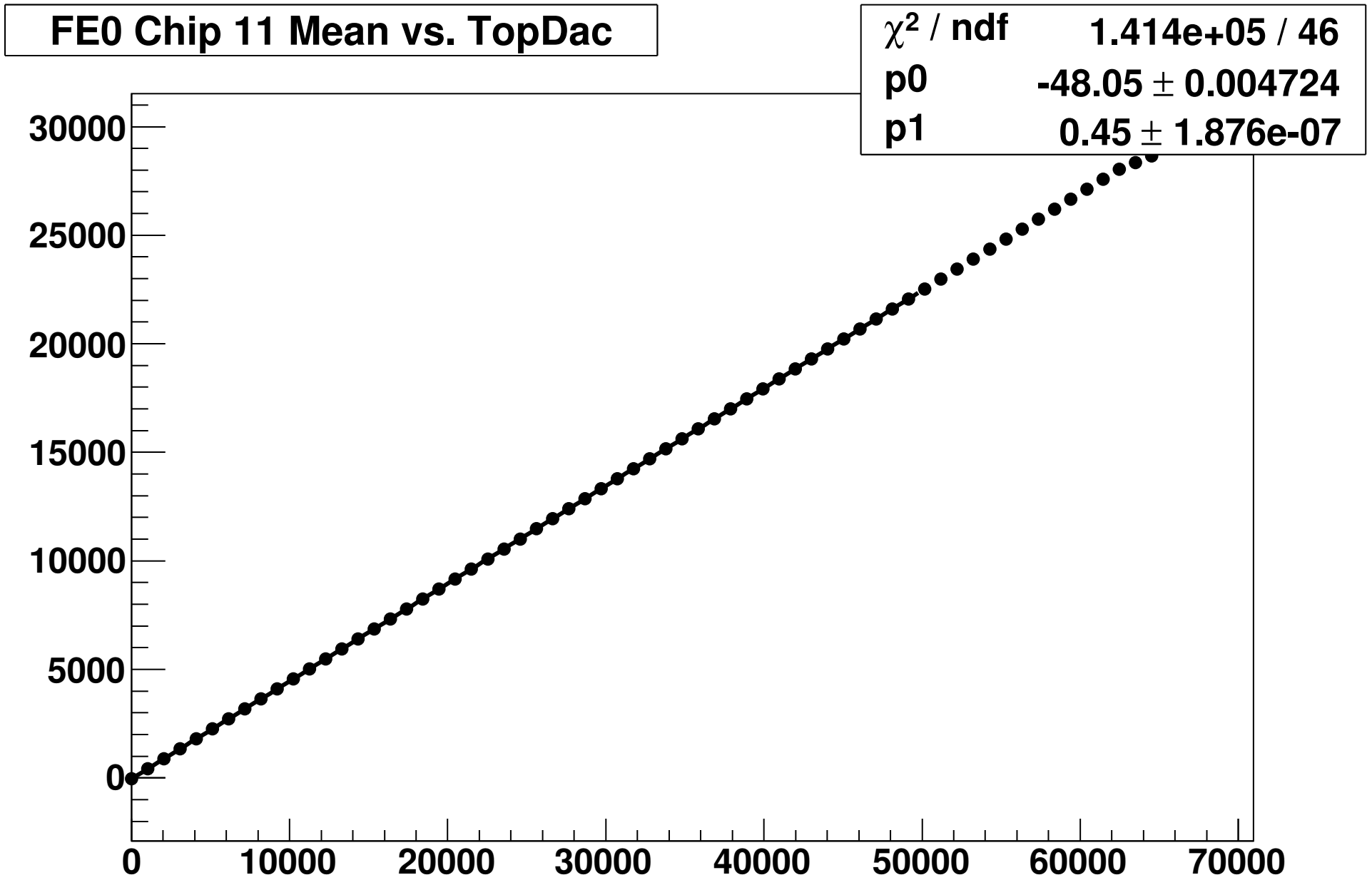
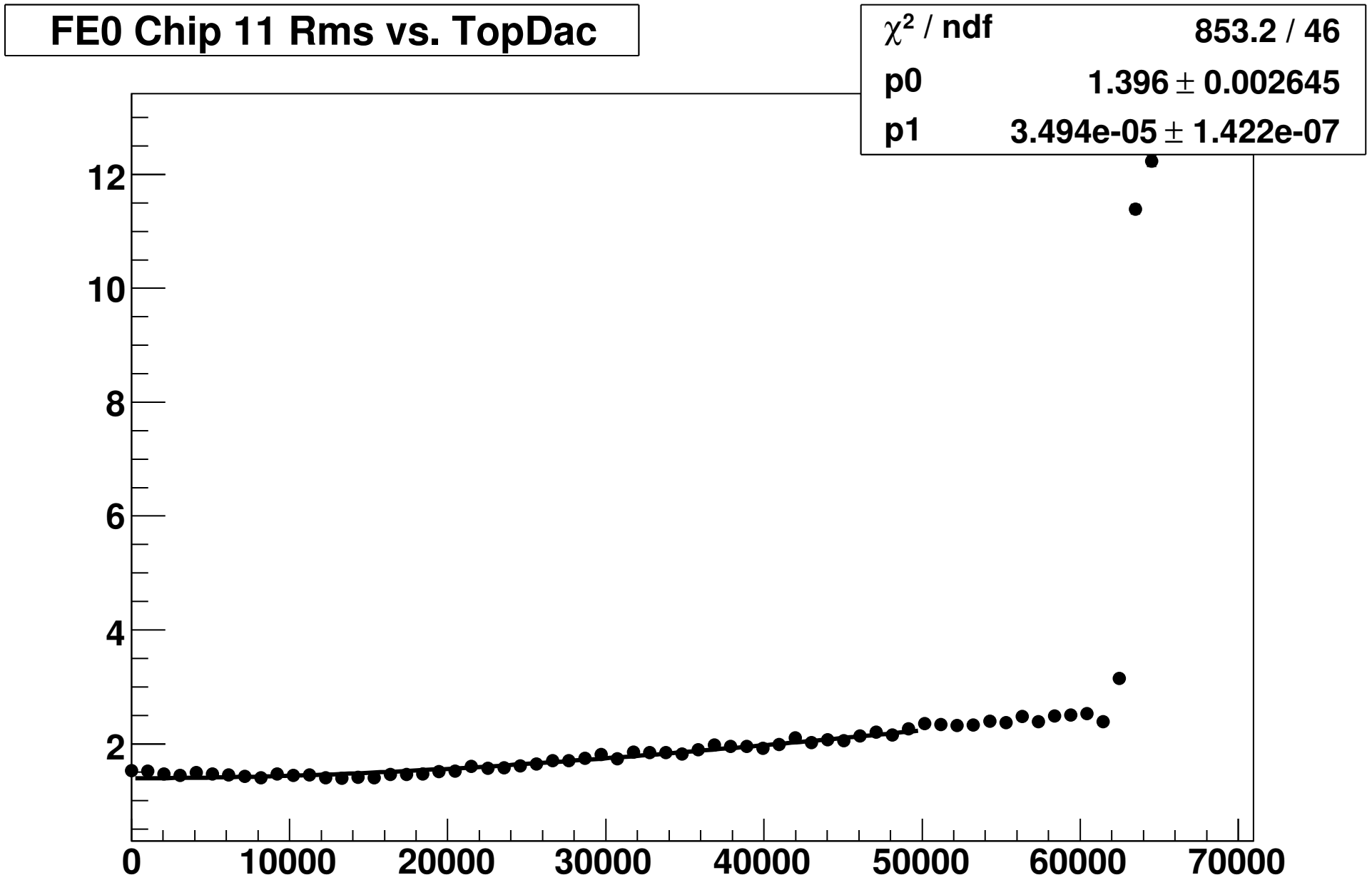
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

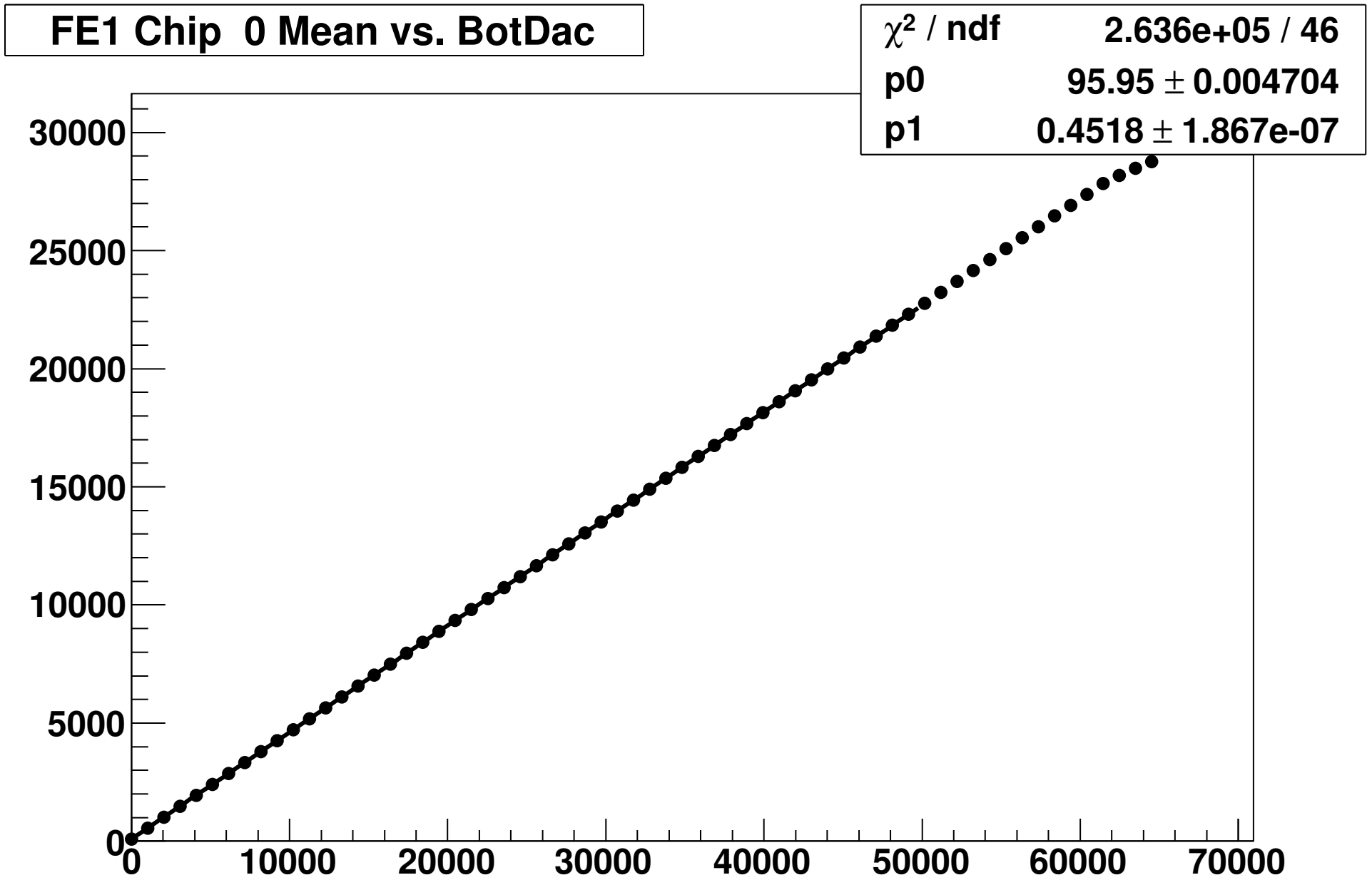

FE0 Chip 10 Rms vs. TopDac
χ² / ndf 2487 / 46
p0 1.371 ± 0.002623
p1 3.565e-05 ± 1.388e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

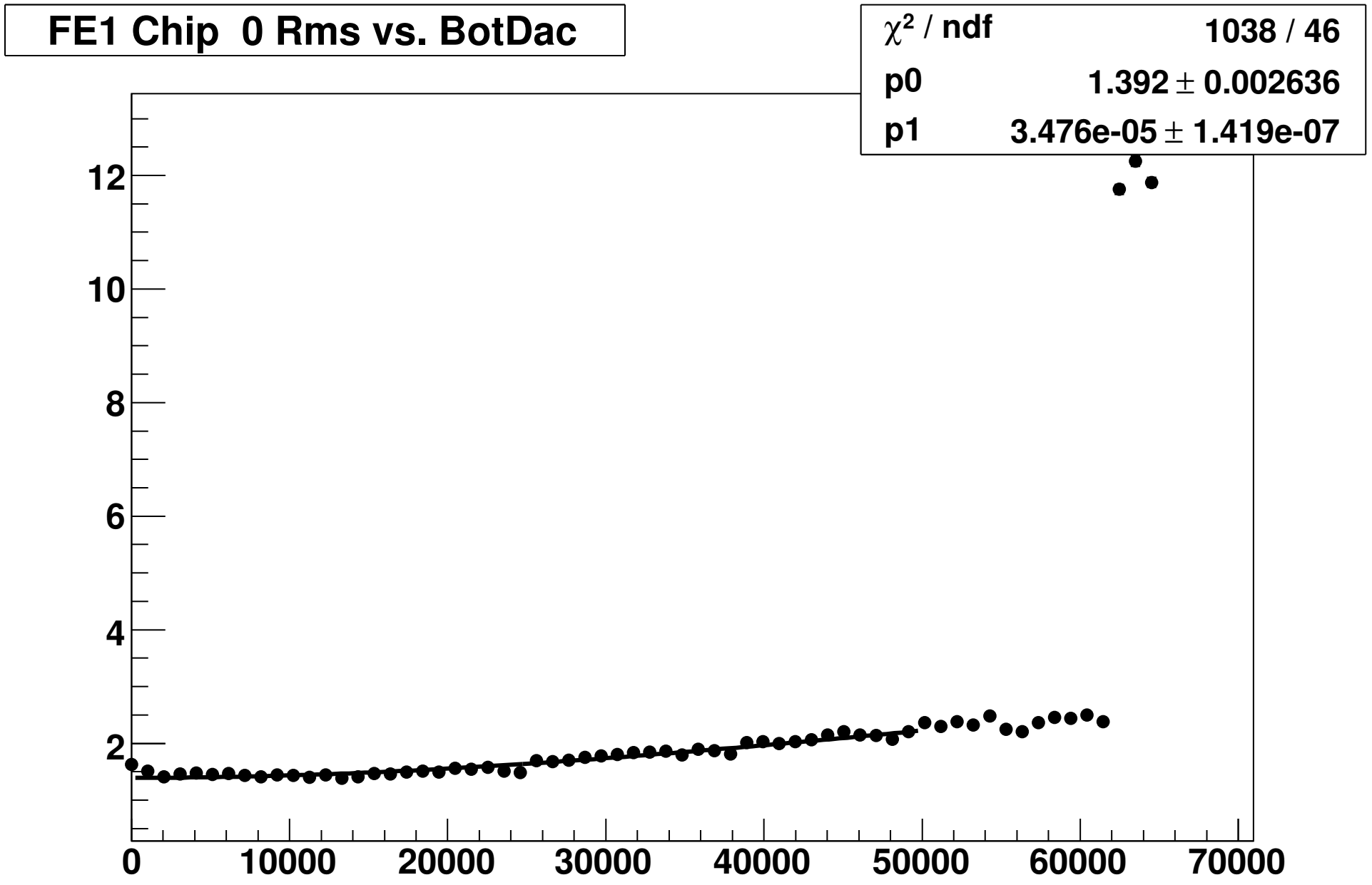

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 734.7 / 46
p0 -48.48 ± 0.004652
p1 1.111e-05 ± 1.618e-07
-47.7
-47.8
-47.9
-48
-48.1
-48.2
-48.3
-48.4
-48.5
0
10000
20000
30000
40000
50000
60000
70000

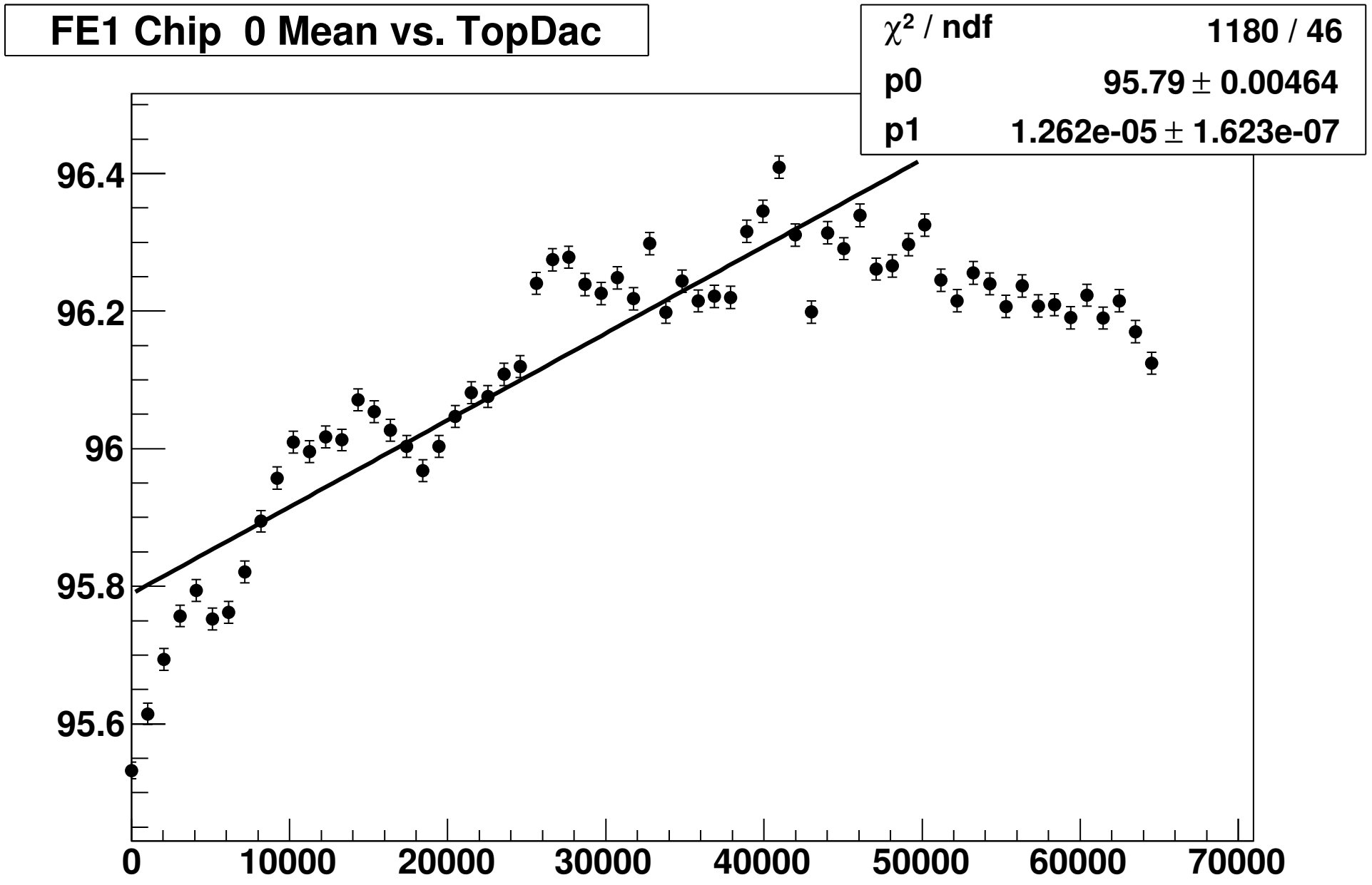

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 50.11 / 46
p0 1.504 ± 0.002447
p1 4.056e-06 ± 8.228e-07
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

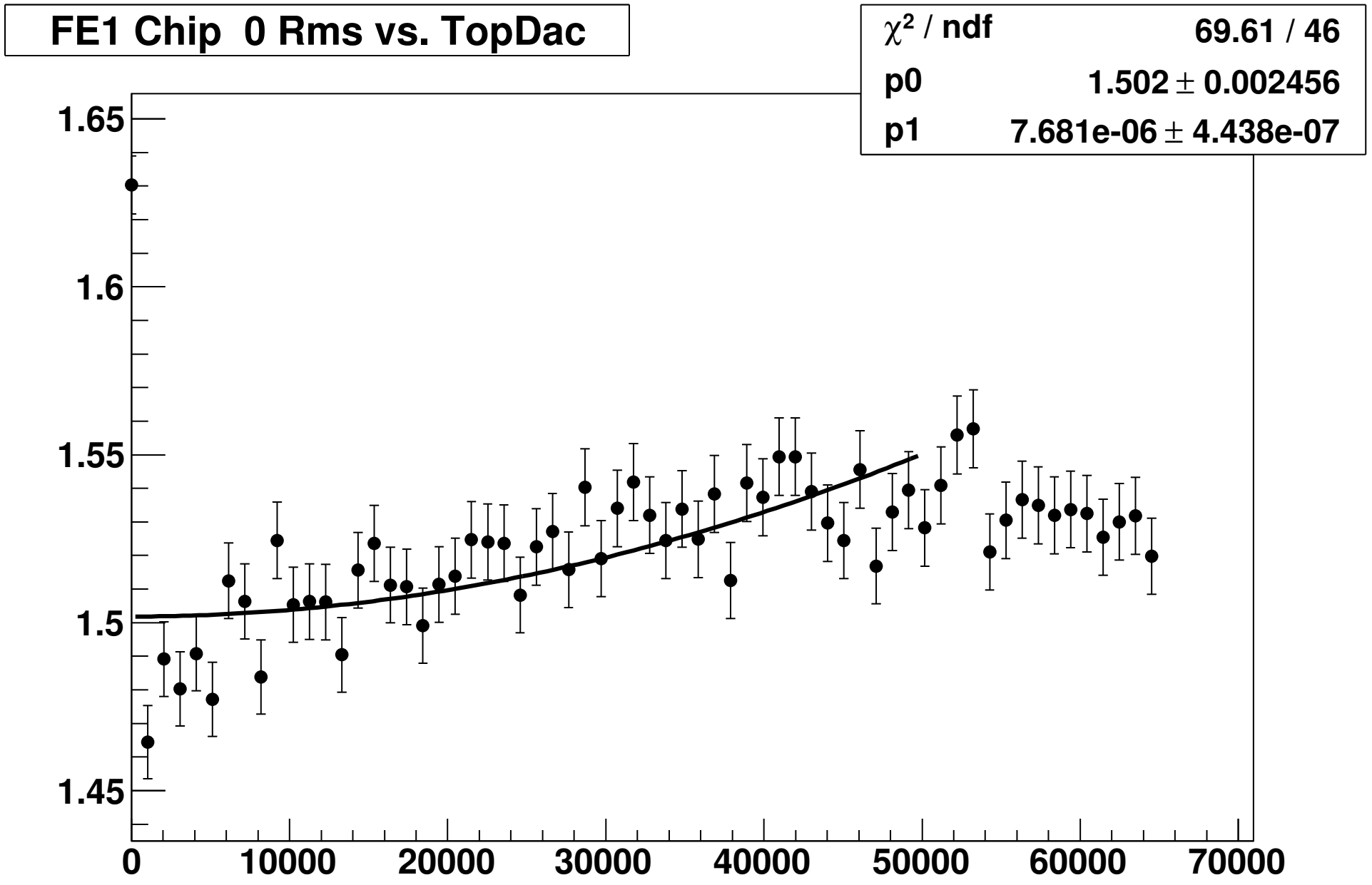

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.414e+05 / 46
p0 -48.05 ± 0.004724
p1 0.45 ± 1.876e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

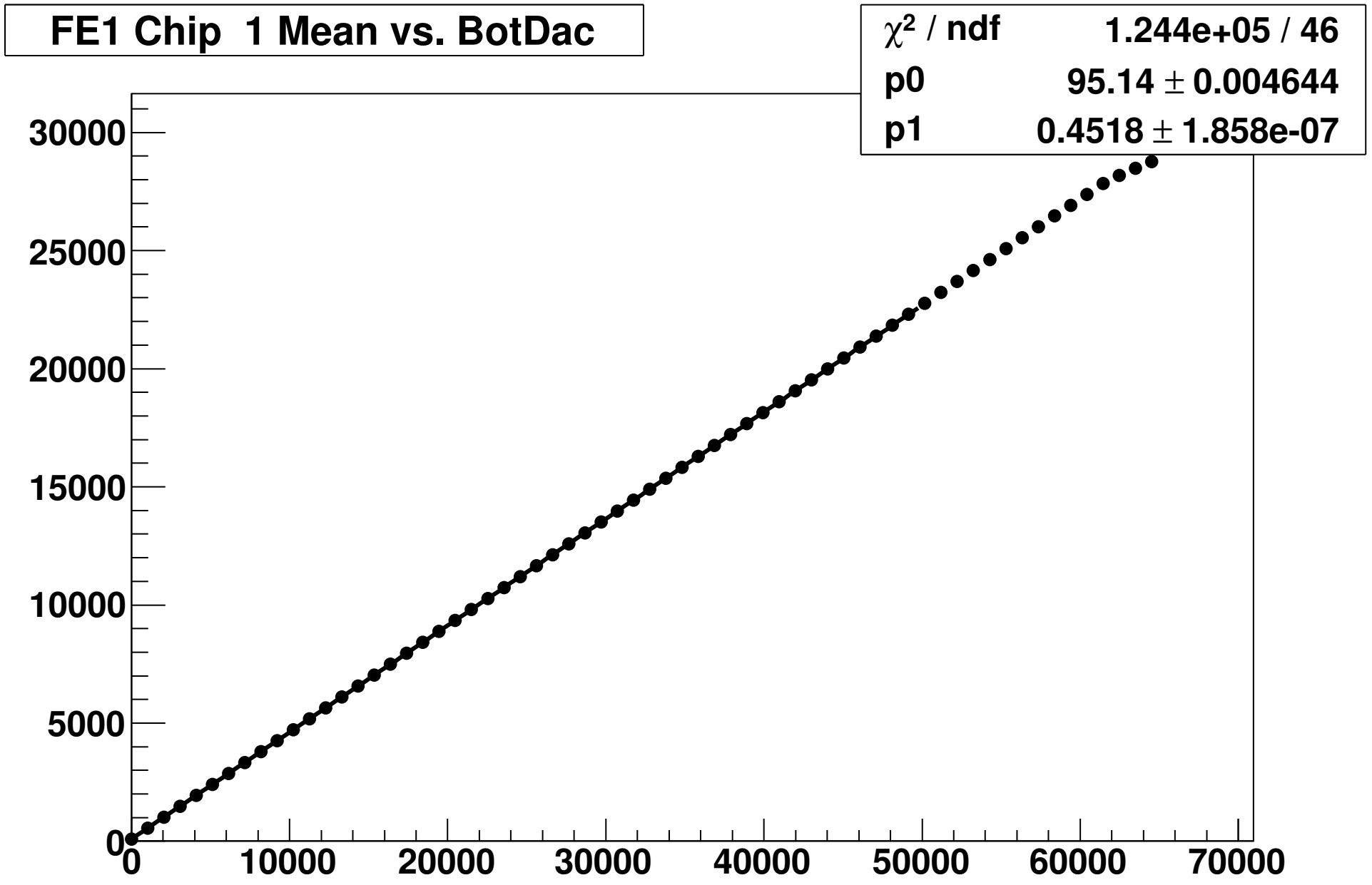

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 853.2 / 46
p0 1.396 ± 0.002645
p1 3.494e-05 ± 1.422e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 2.636e+05 / 46
p0 95.95 ± 0.004704
p1 0.4518 ± 1.867e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 1038 / 46
p0 1.392 ± 0.002636
p1 3.476e-05 ± 1.419e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 1180 / 46
p0 95.79 ± 0.00464
p1 1.262e-05 ± 1.623e-07
96.4
96.2
96
95.8
95.6
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 69.61 / 46
p0 1.502 ± 0.002456
p1 7.681e-06 ± 4.438e-07
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 1.244e+05 / 46
p0 95.14 ± 0.004644
p1 0.4518 ± 1.858e-07
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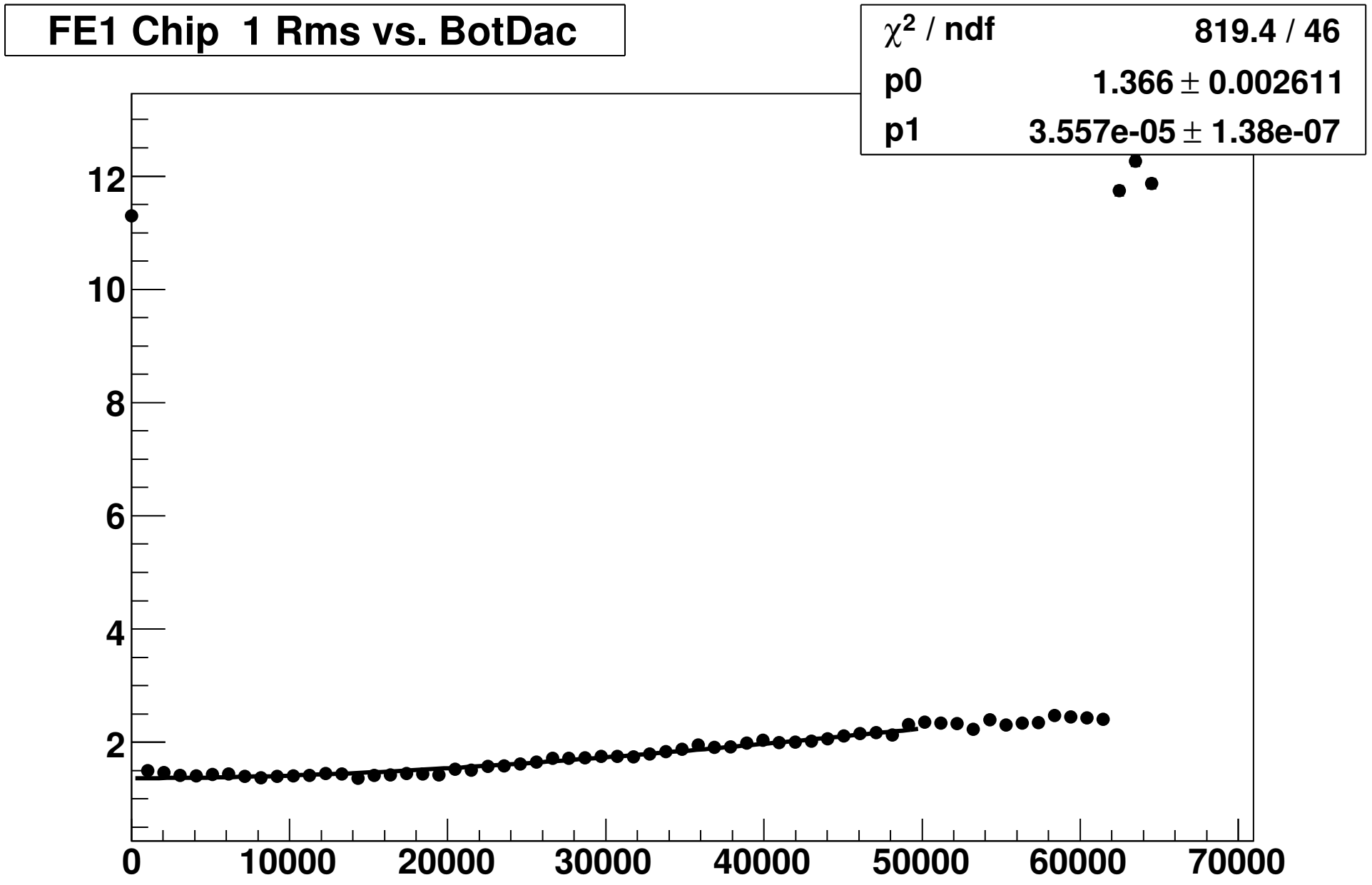
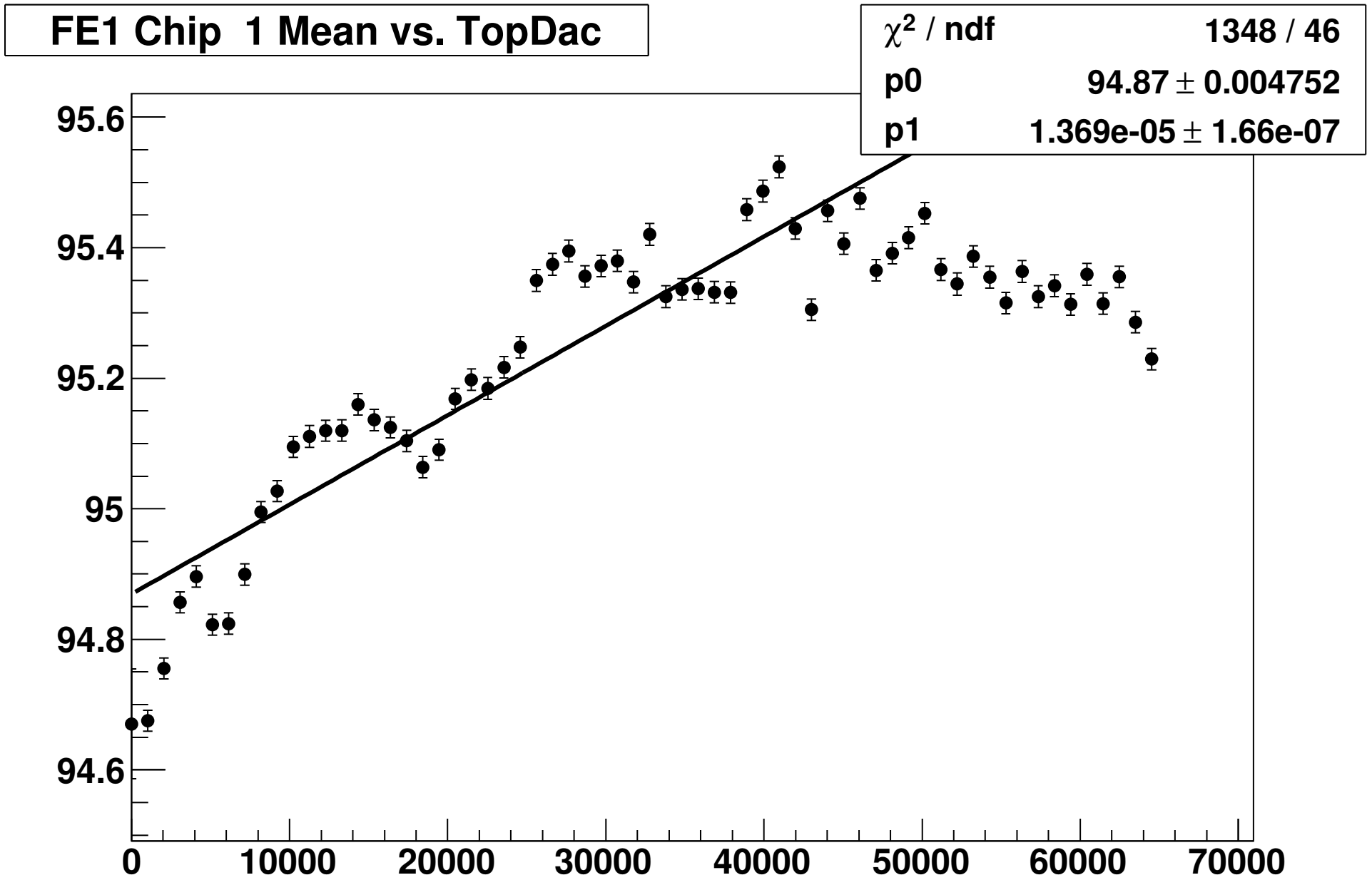
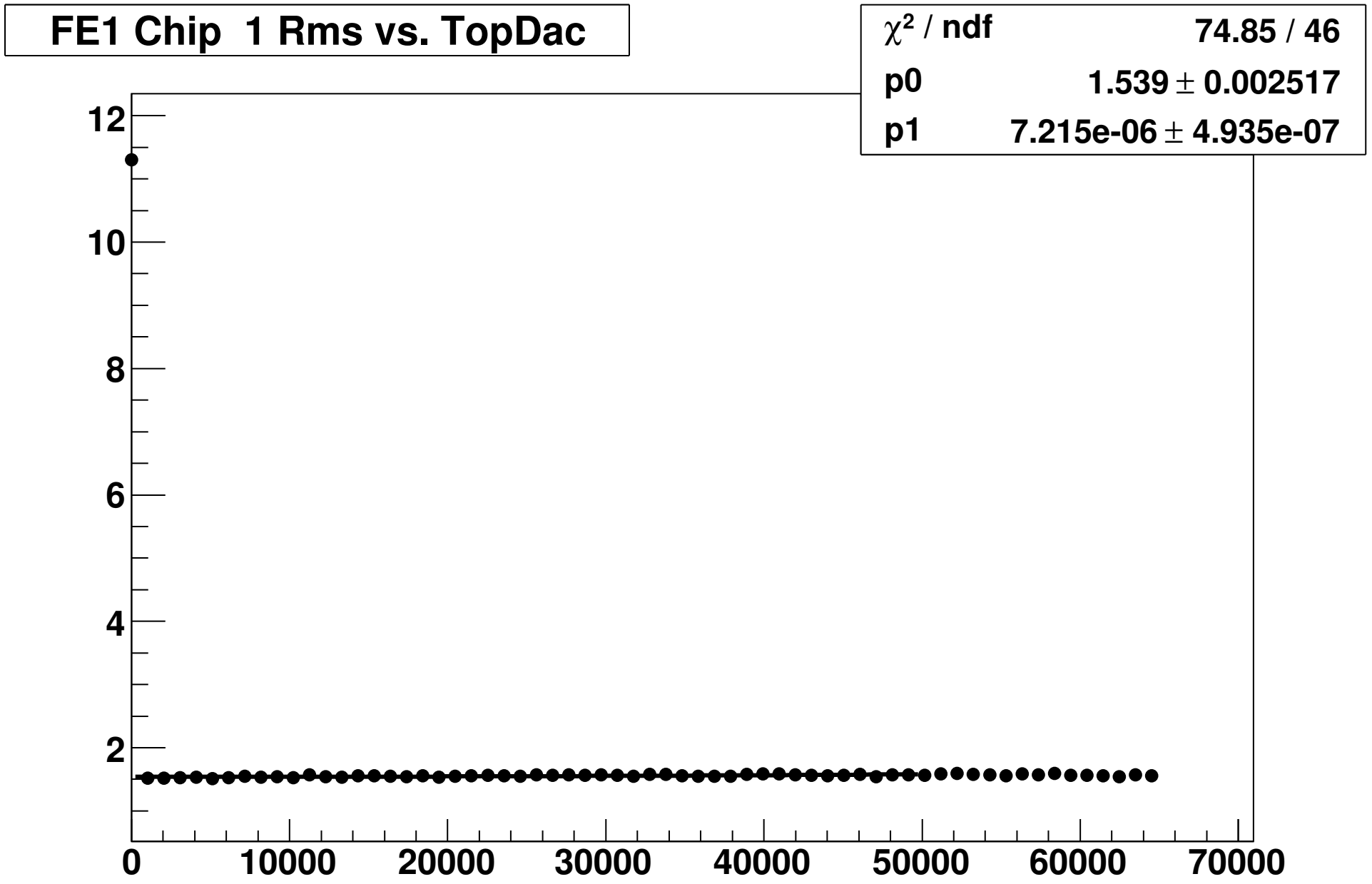
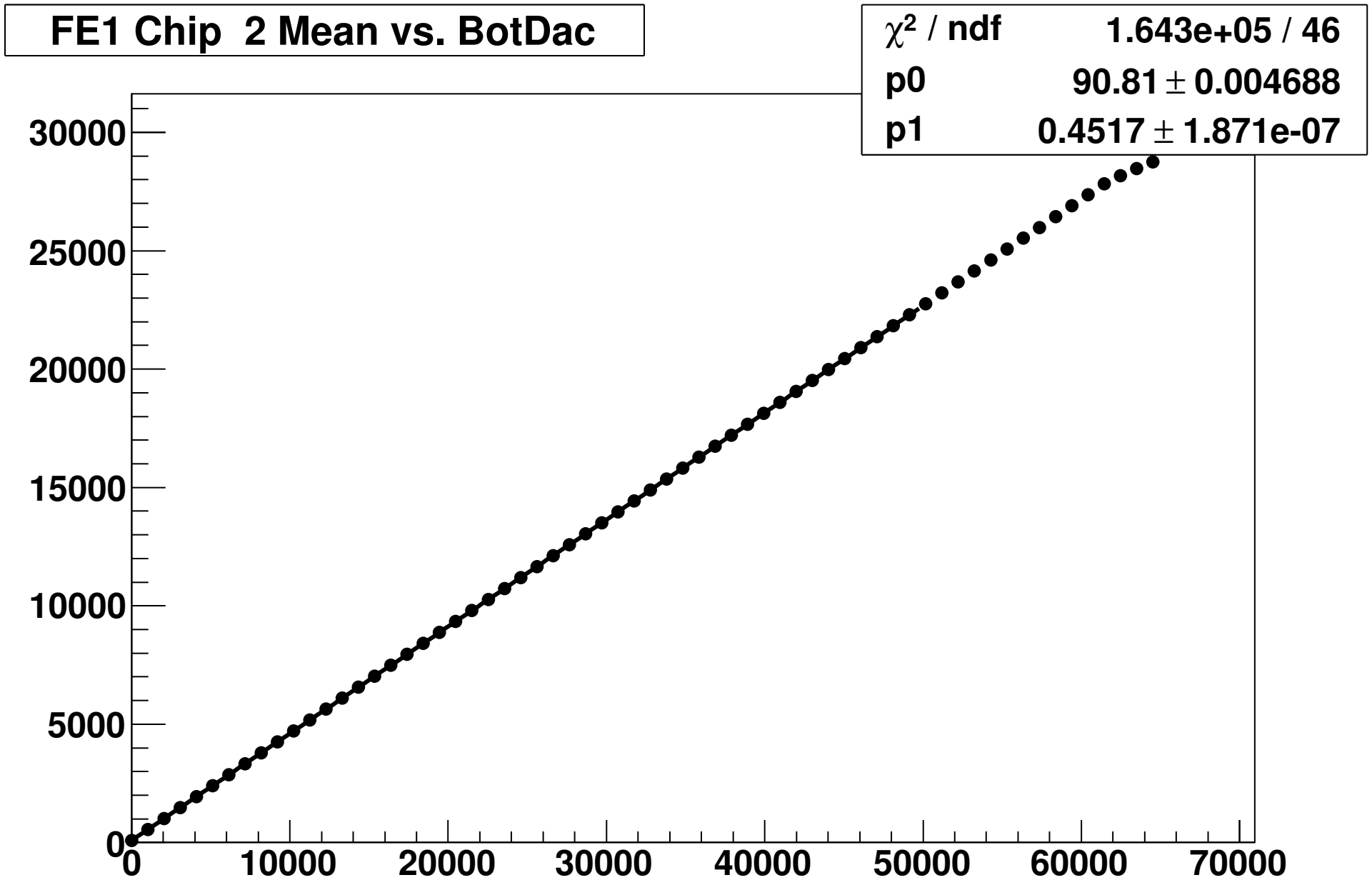
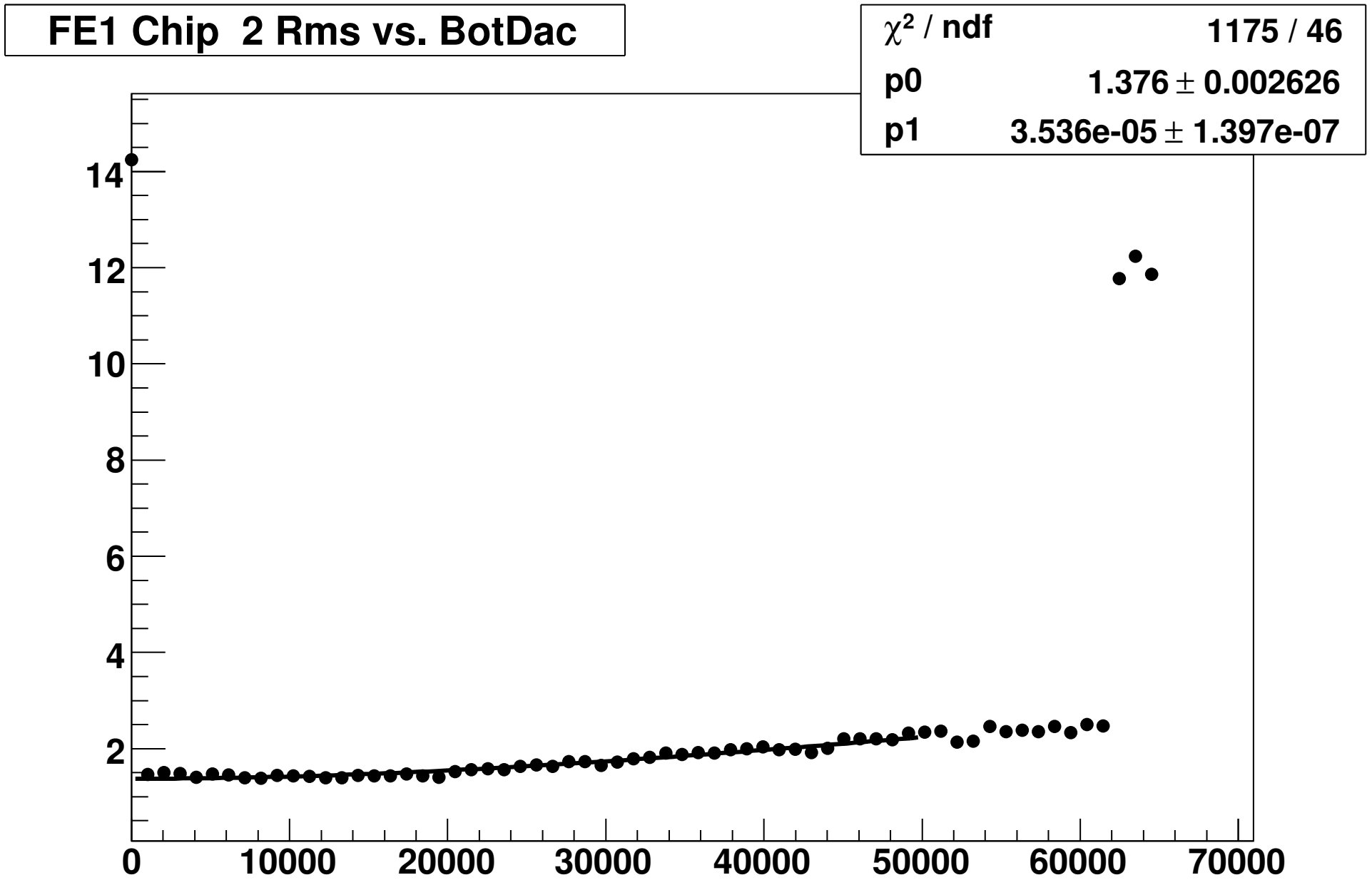
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

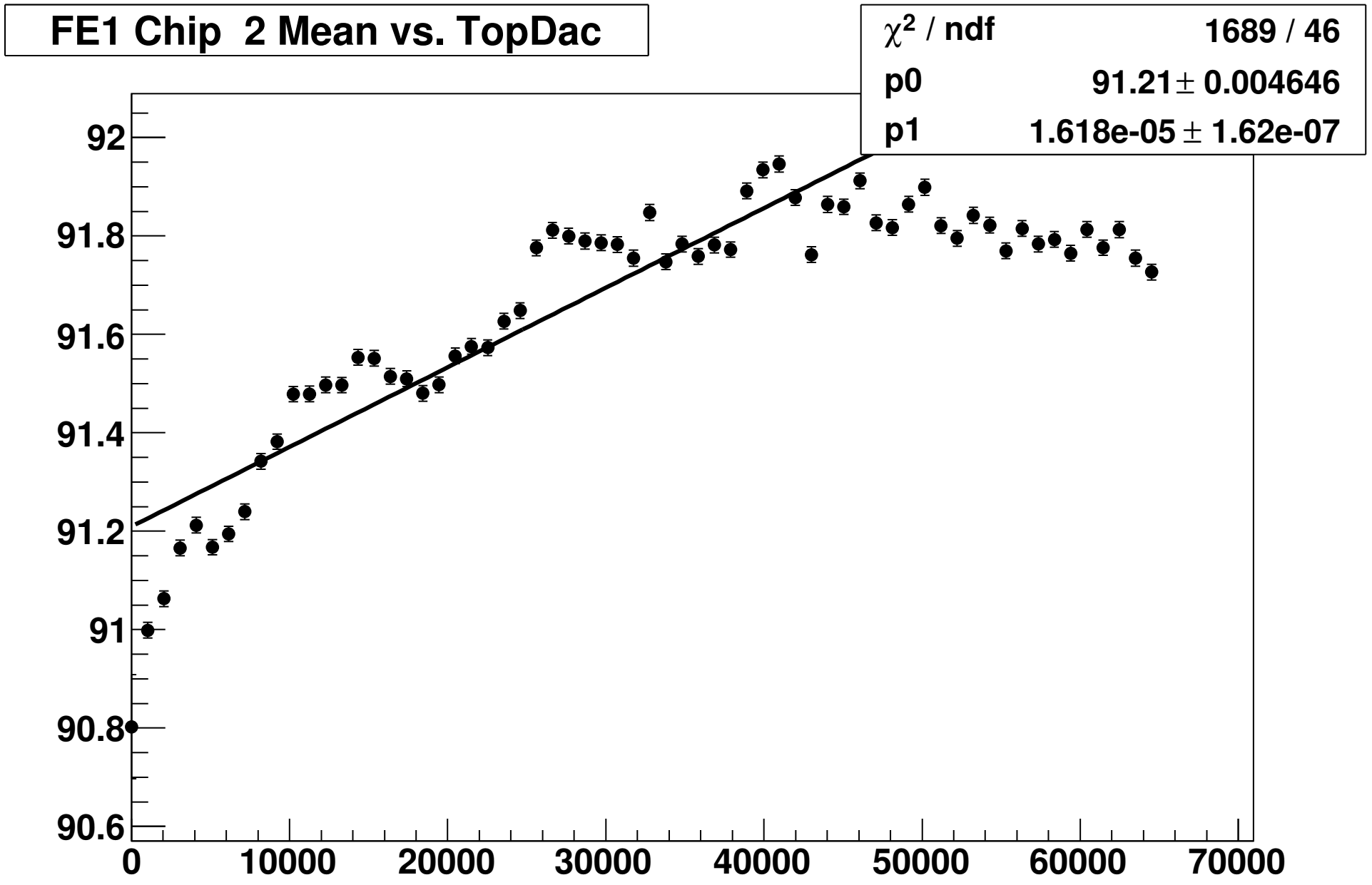

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 819.4 / 46
p0 1.366 ± 0.002611
p1 3.557e-05 ± 1.38e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

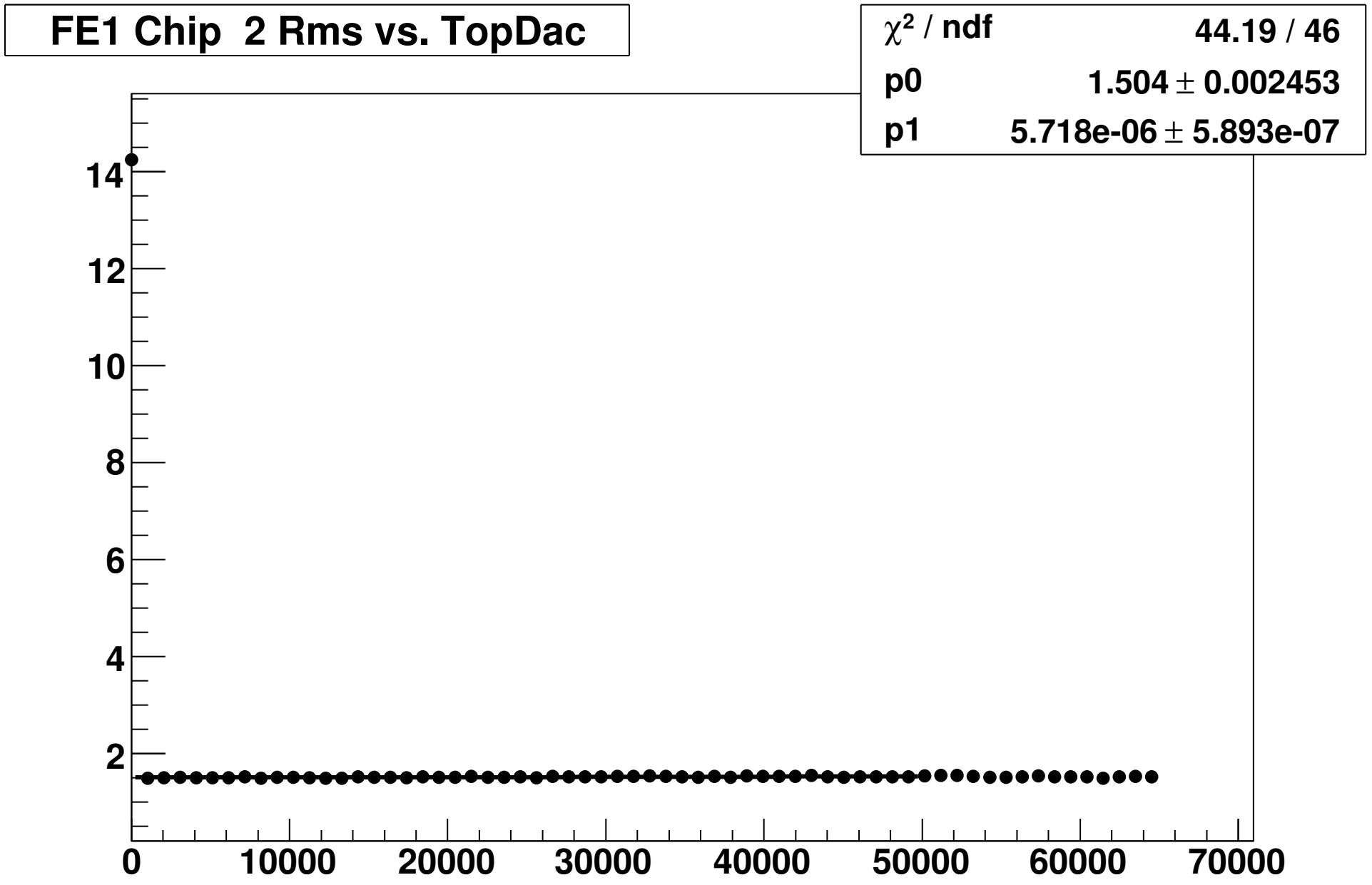

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 1348 / 46
p0 94.87 ± 0.004752
p1 1.369e-05 ± 1.66e-07
95.6
95.4
95.2
95
94.8
94.6
0
10000
20000
30000
40000
50000
60000
70000

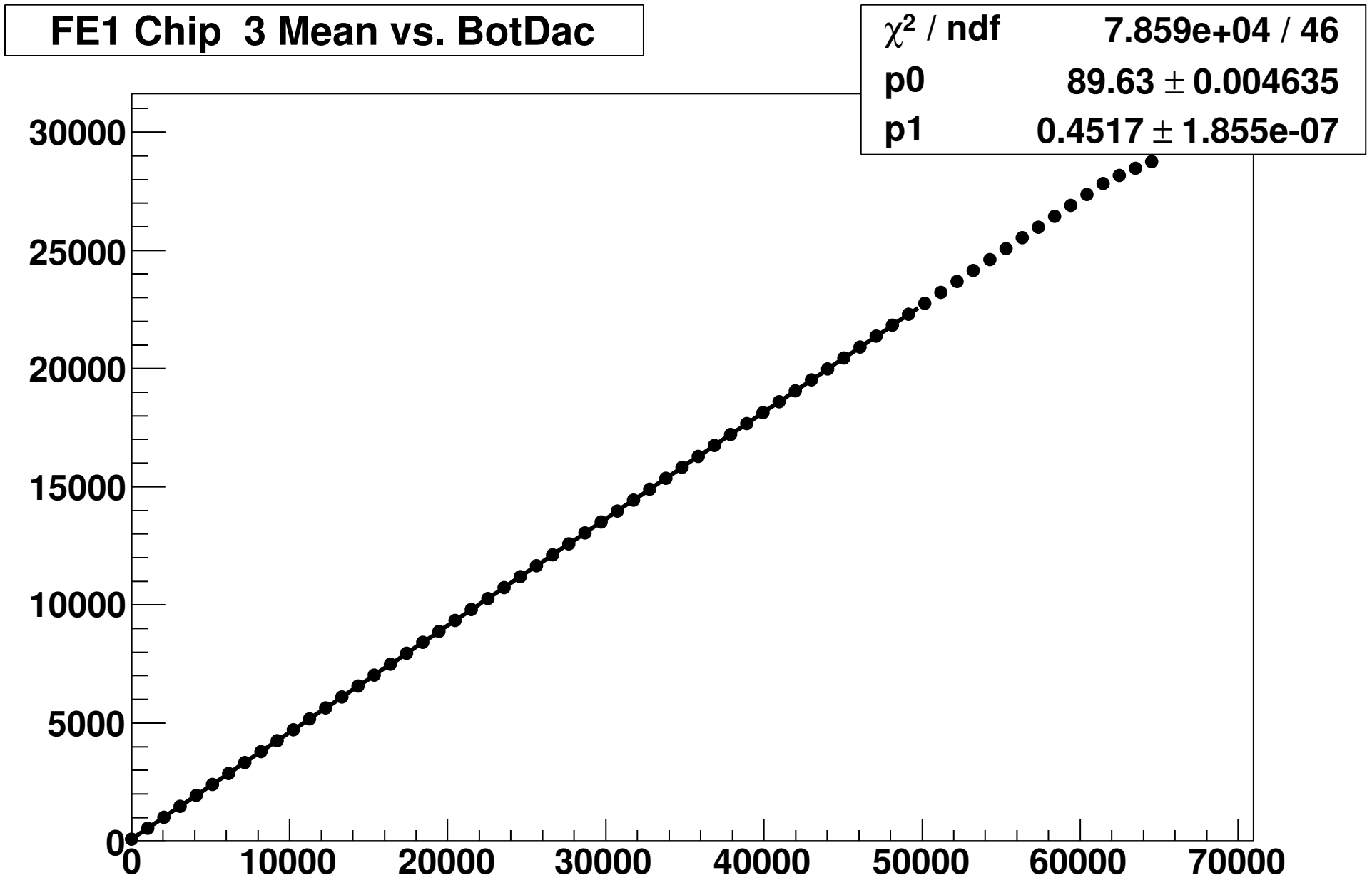

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 74.85 / 46
p0 1.539 ± 0.002517
p1 7.215e-06 ± 4.935e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

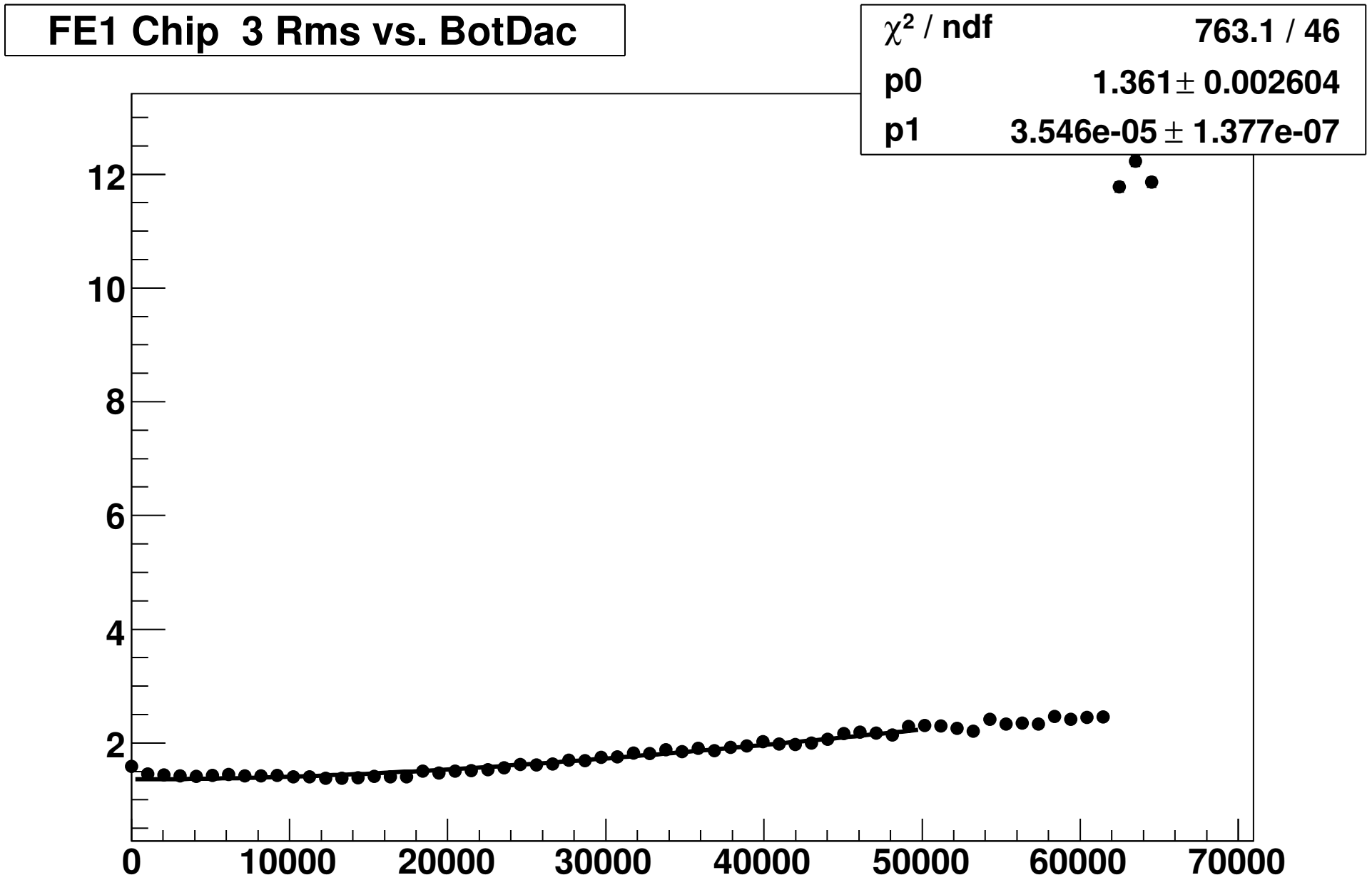

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 1.643e+05 / 46
p0 90.81 ± 0.004688
p1 0.4517 ± 1.871e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

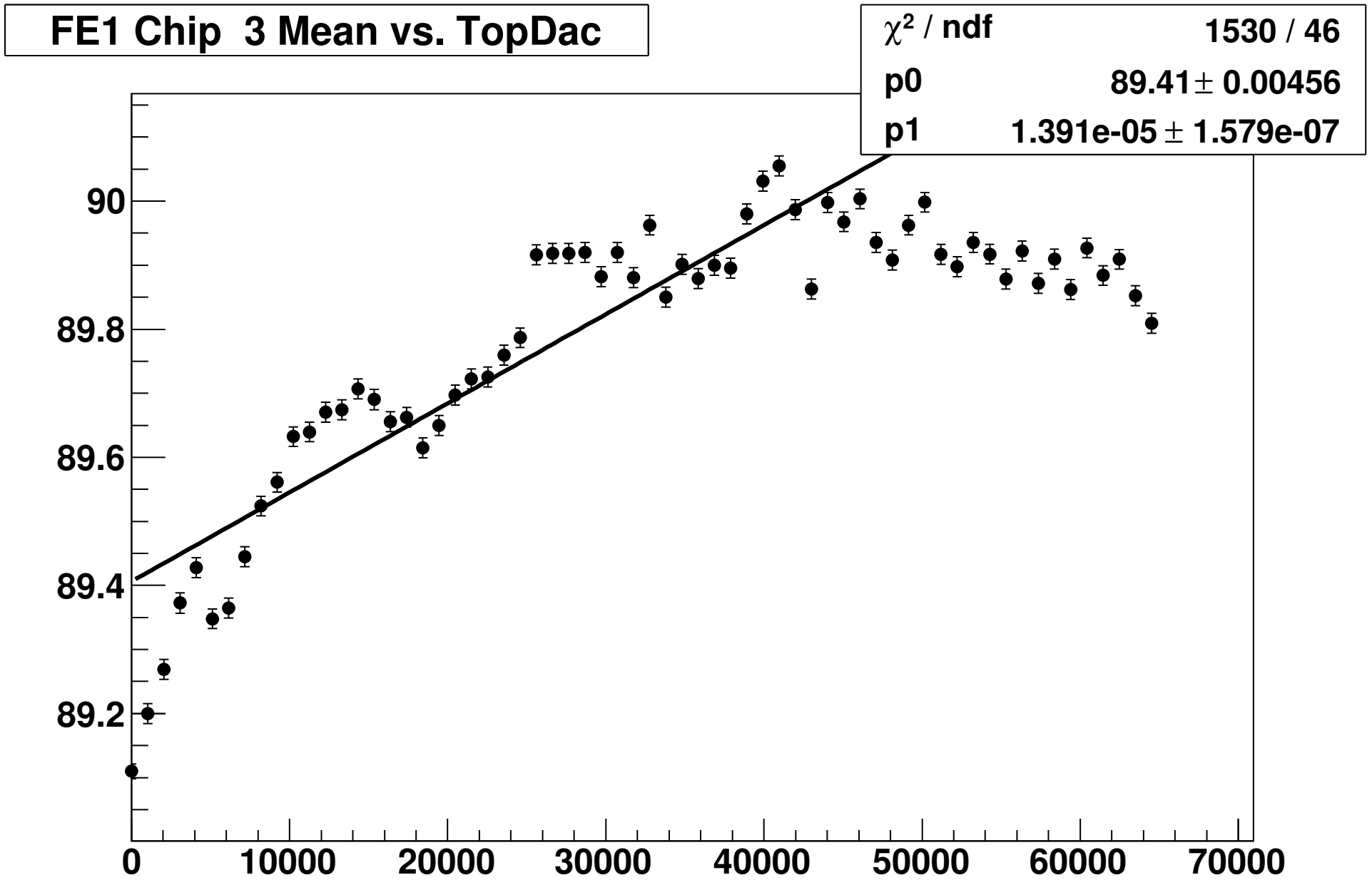

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1175 / 46
p0 1.376 ± 0.002626
p1 3.536e-05 ± 1.397e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

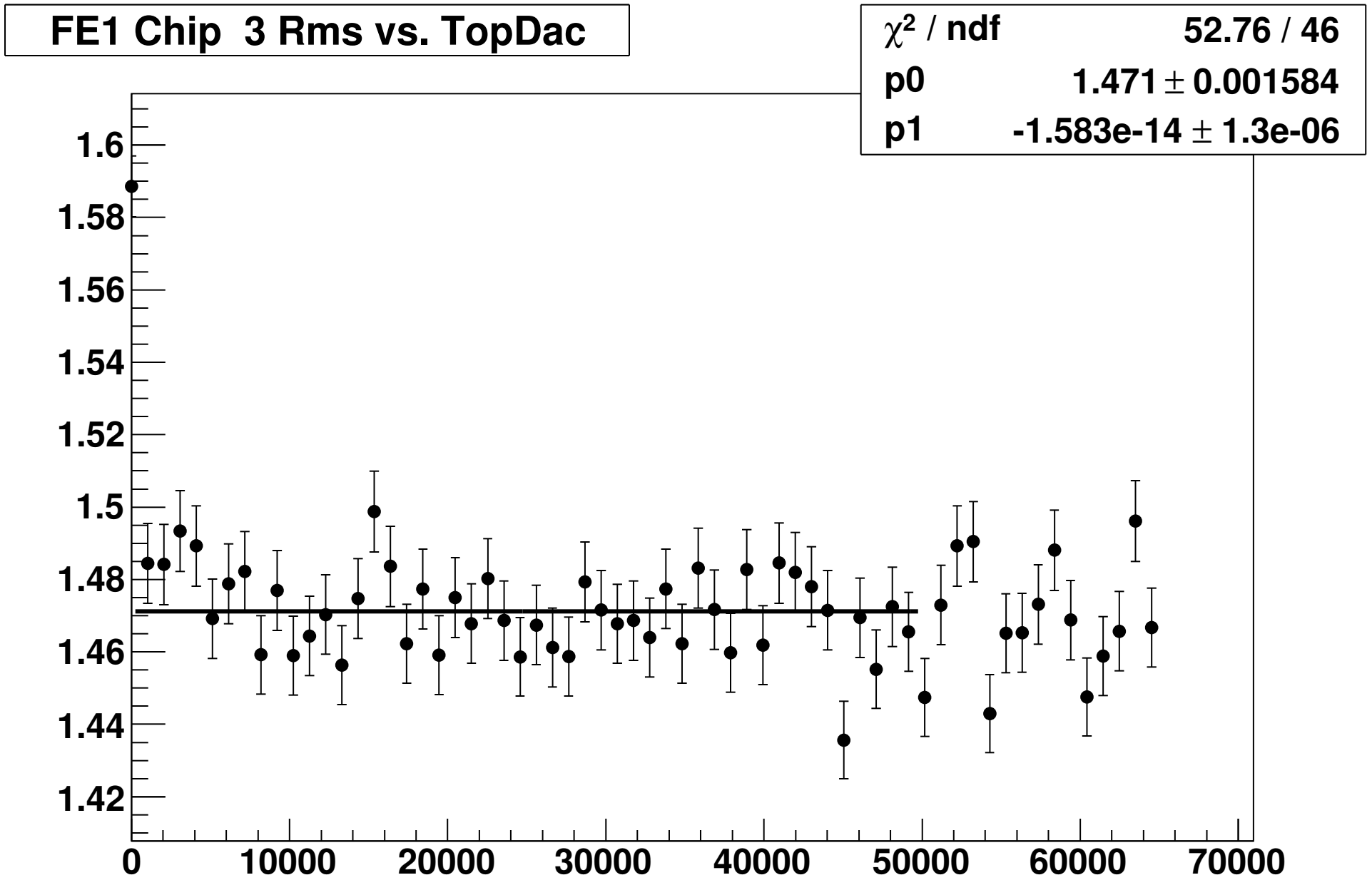

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 1689 / 46
p0 91.21 ± 0.004646
p1 1.618e-05 ± 1.62e-07
92
91.8
91.6
91.4
91.2
91
90.8
90.6
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Rms vs. TopDac
χ² / ndf 44.19 / 46
p0 1.504 ± 0.002453
p1 5.718e-06 ± 5.893e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. BotDac
χ² / ndf 7.859e+04 / 46
p0 89.63 ± 0.004635
p1 0.4517 ± 1.855e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 763.1 / 46
p0 1.361 ± 0.002604
p1 3.546e-05 ± 1.377e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 1530 / 46
p0 89.41 ± 0.00456
p1 1.391e-05 ± 1.579e-07
90
89.8
89.6
89.4
89.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 52.76 / 46
p0 1.471 ± 0.001584
p1 -1.583e-14 ± 1.3e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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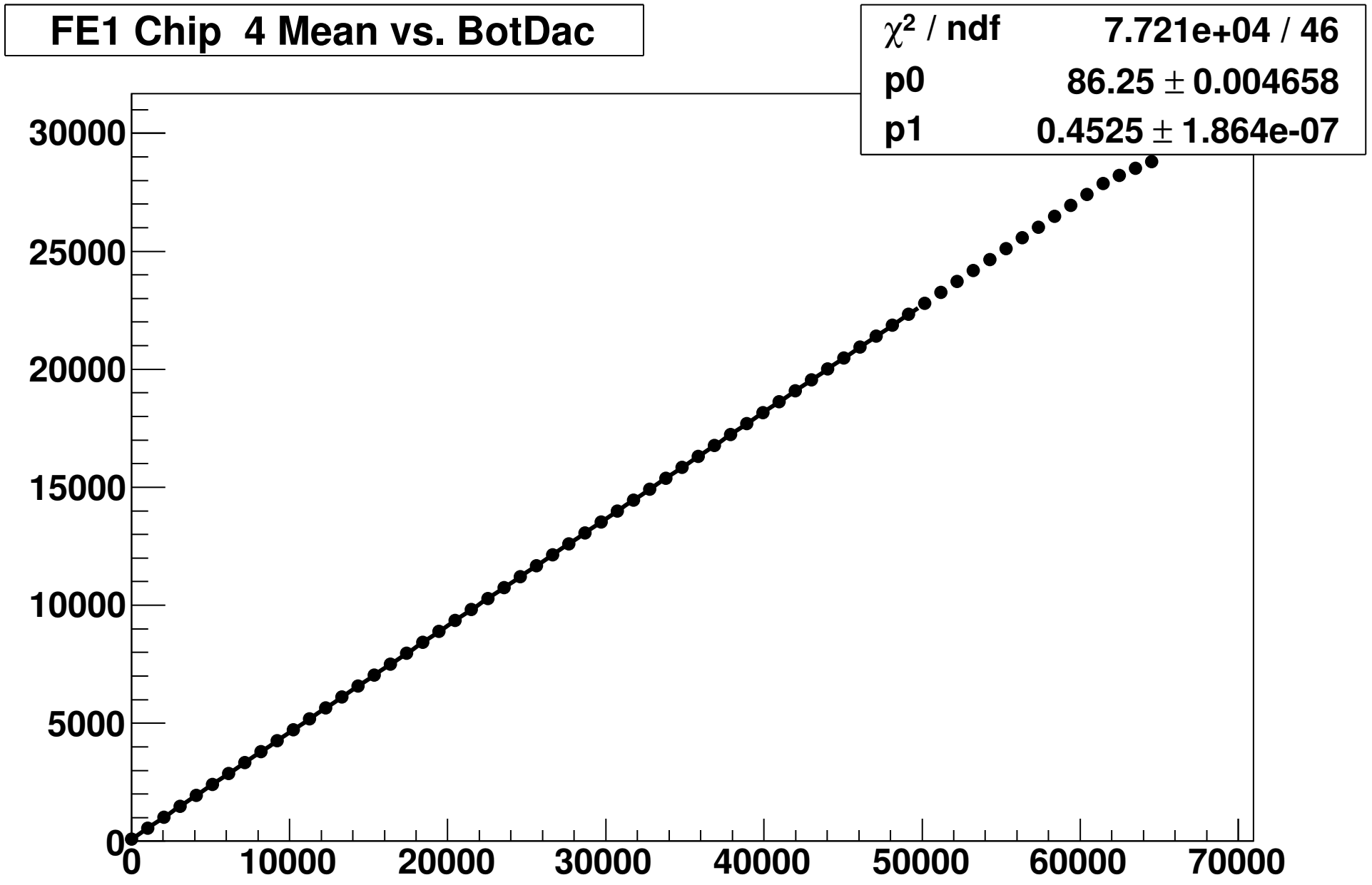
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 7.721e+04 / 46
p0 86.25 ± 0.004658
p1 0.4525 ± 1.864e-07
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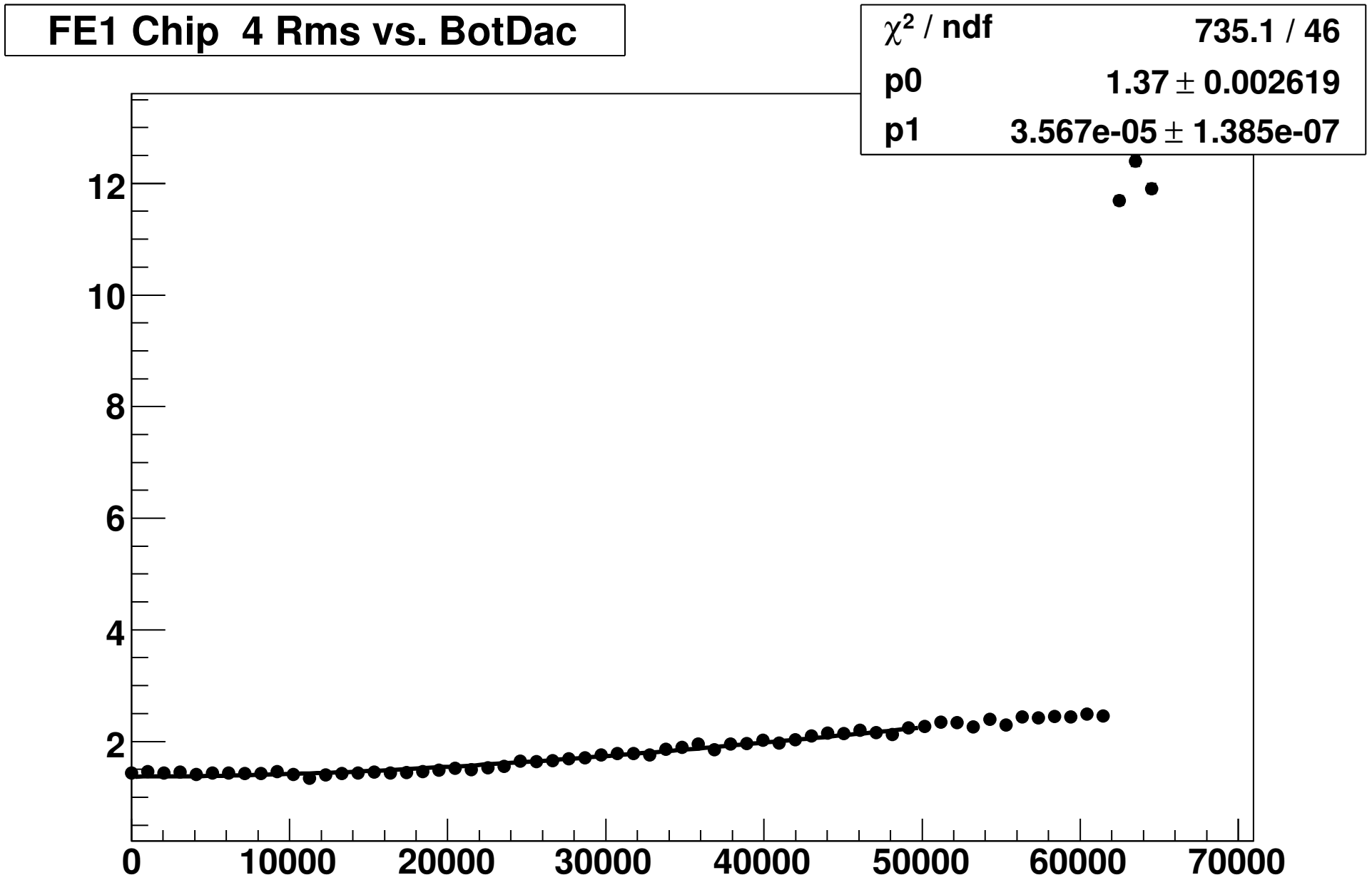
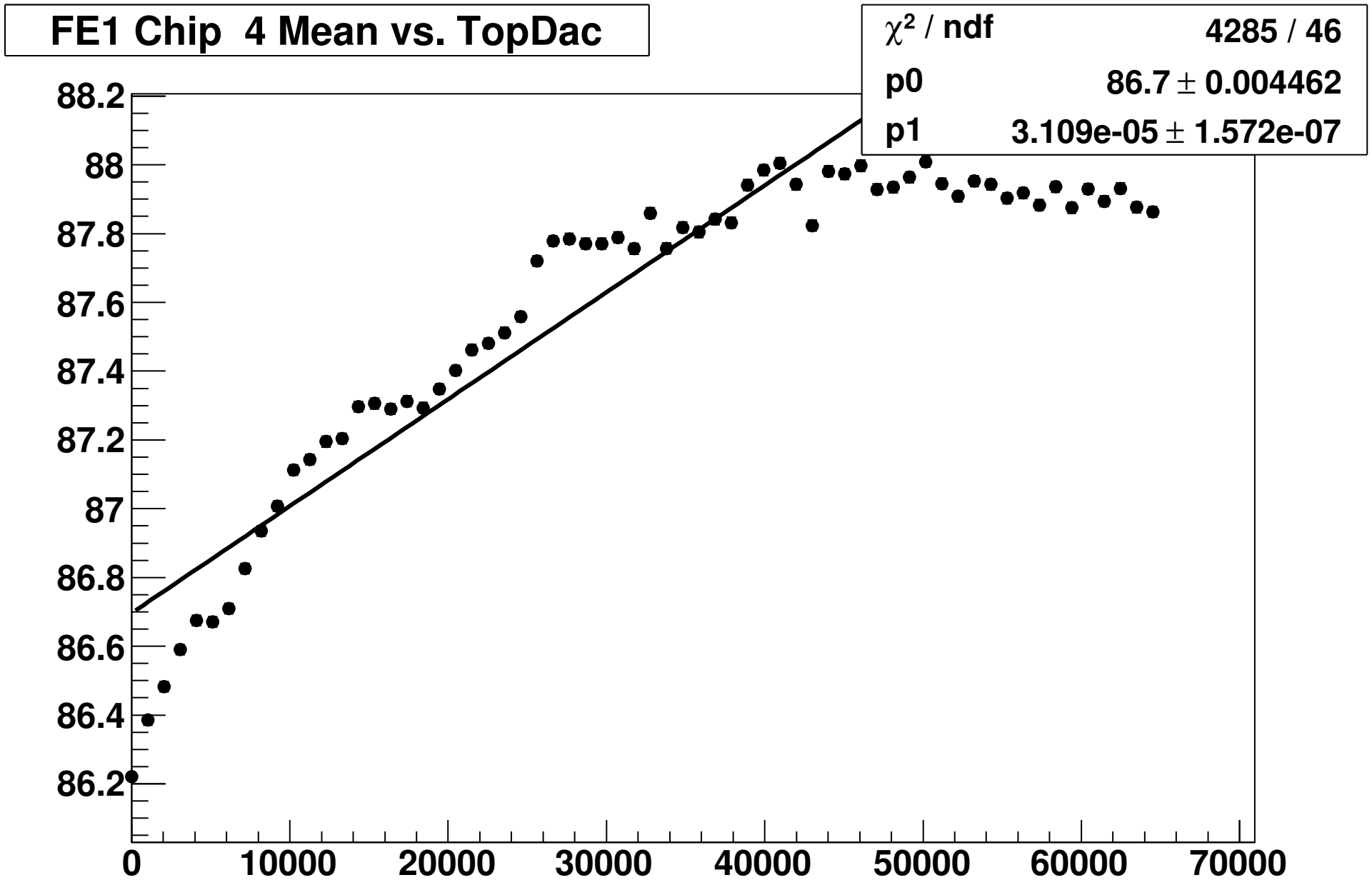
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 735.1 / 46
p0 1.37 ± 0.002619
p1 3.567e-05 ± 1.385e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 4285 / 46
p0 86.7 ± 0.004462
p1 3.109e-05 ± 1.572e-07
88.2
88
87.8
87.6
87.4
87.2
87
86.8
86.6
86.4
86.2
0
10000
20000
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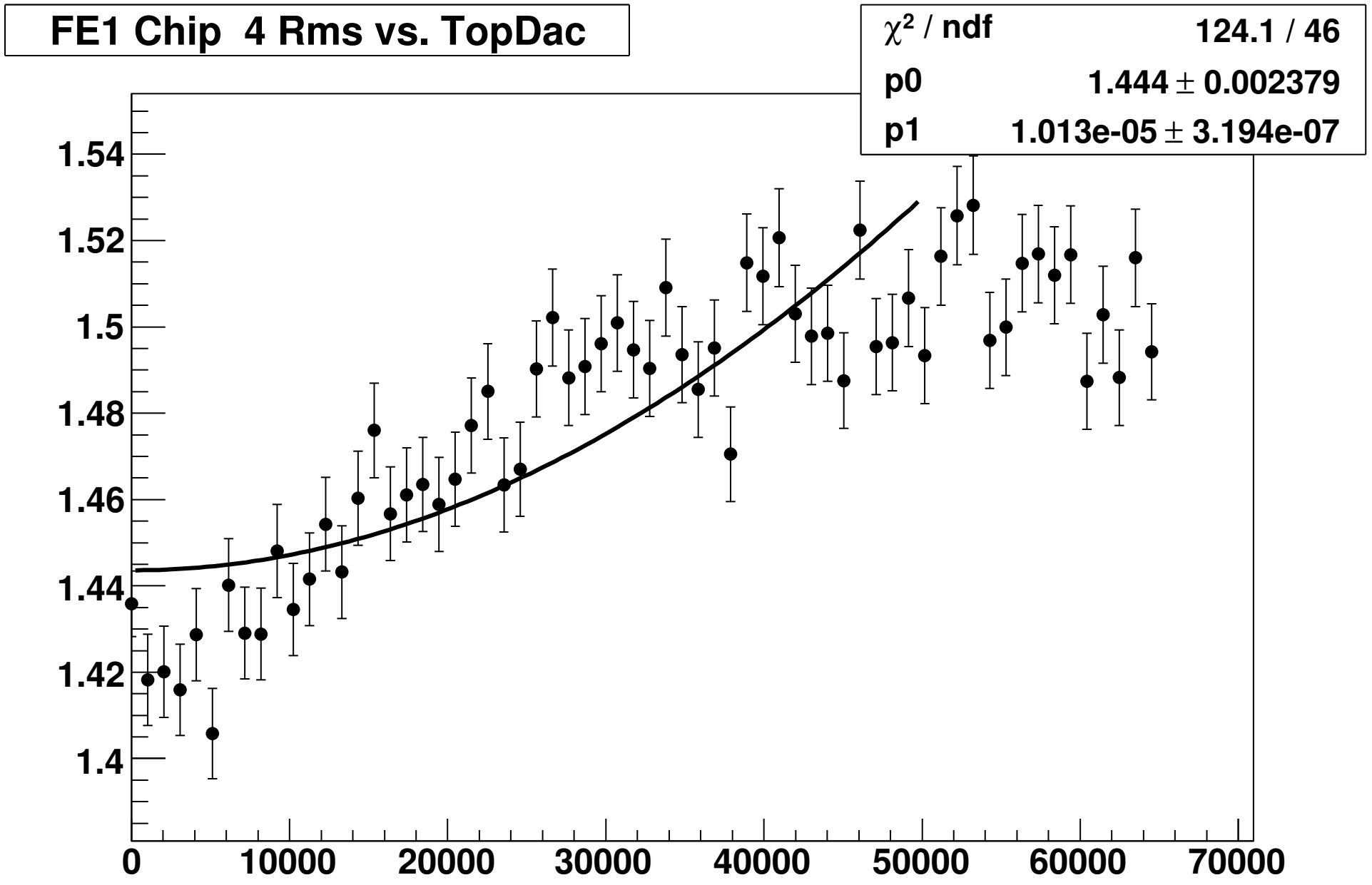
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 124.1 / 46
p0 1.444 ± 0.002379
p1 1.013e-05 ± 3.194e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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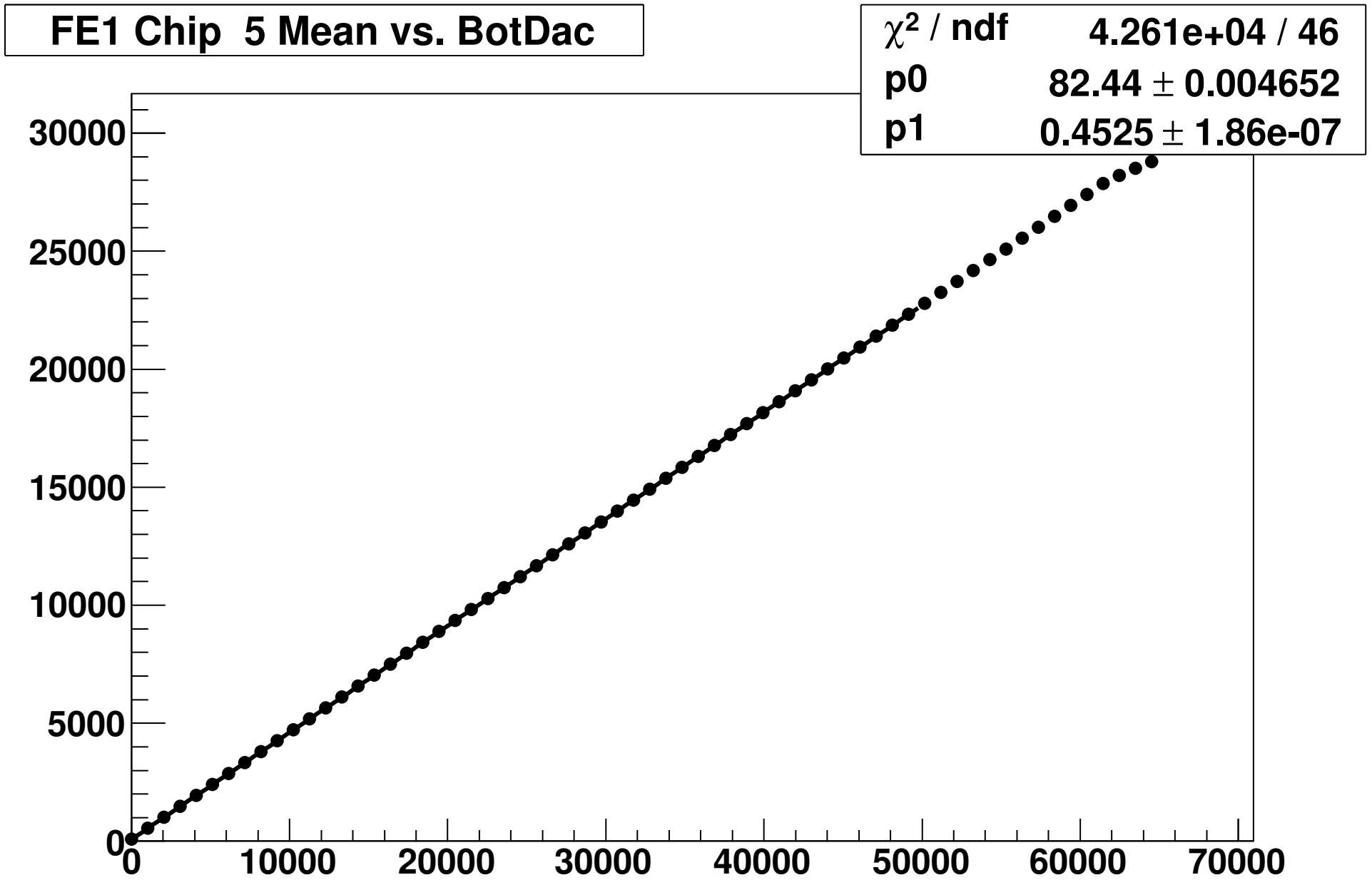
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 4.261e+04 / 46
p0 82.44 ± 0.004652
p1 0.4525 ± 1.86e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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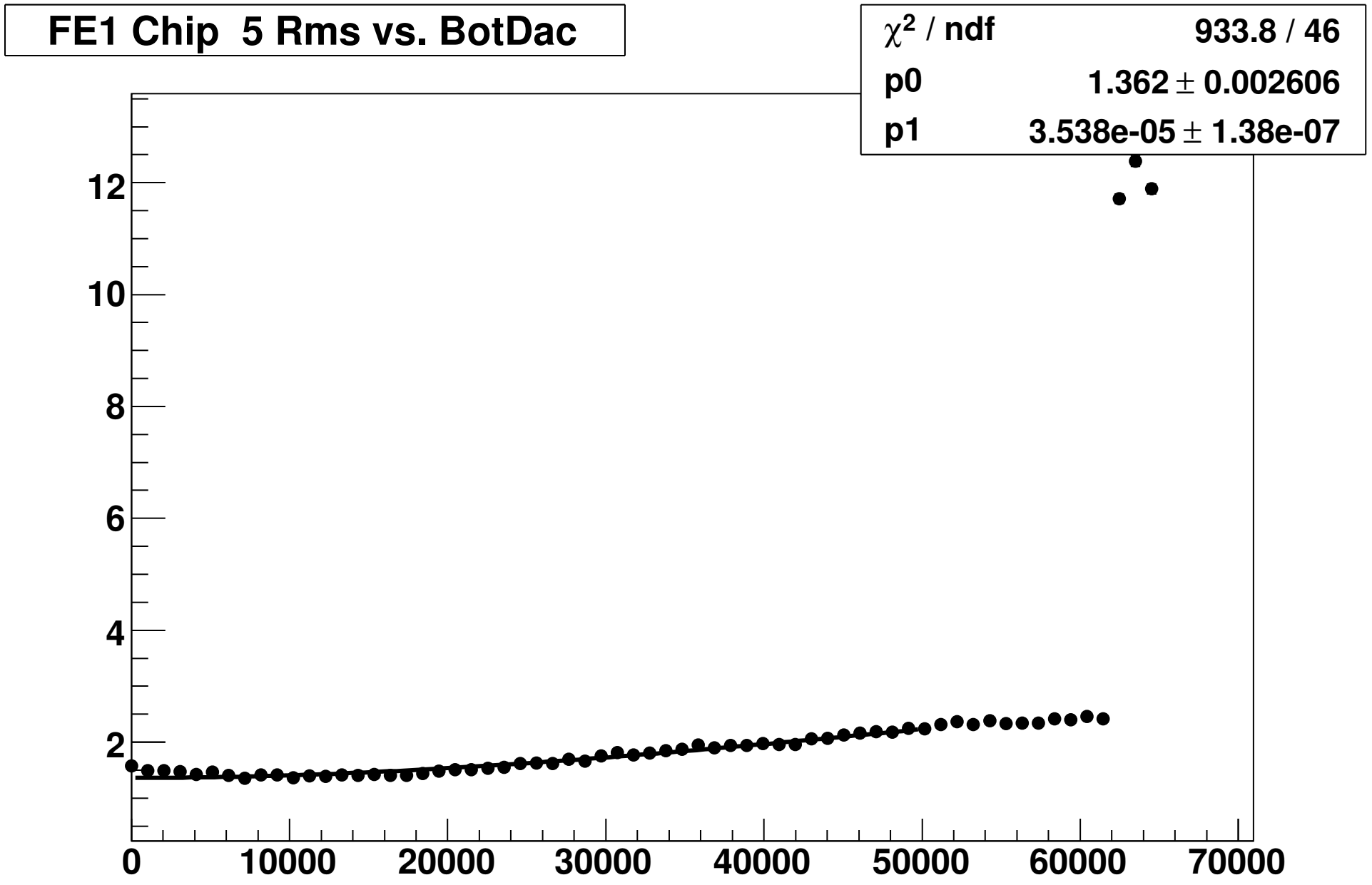
FE1 Chip 5 Rms vs. BotDac
χ² / ndf 933.8 / 46
p0 1.362 ± 0.002606
p1 3.538e-05 ± 1.38e-07
12
10
8
6
4
2
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10000
20000
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60000
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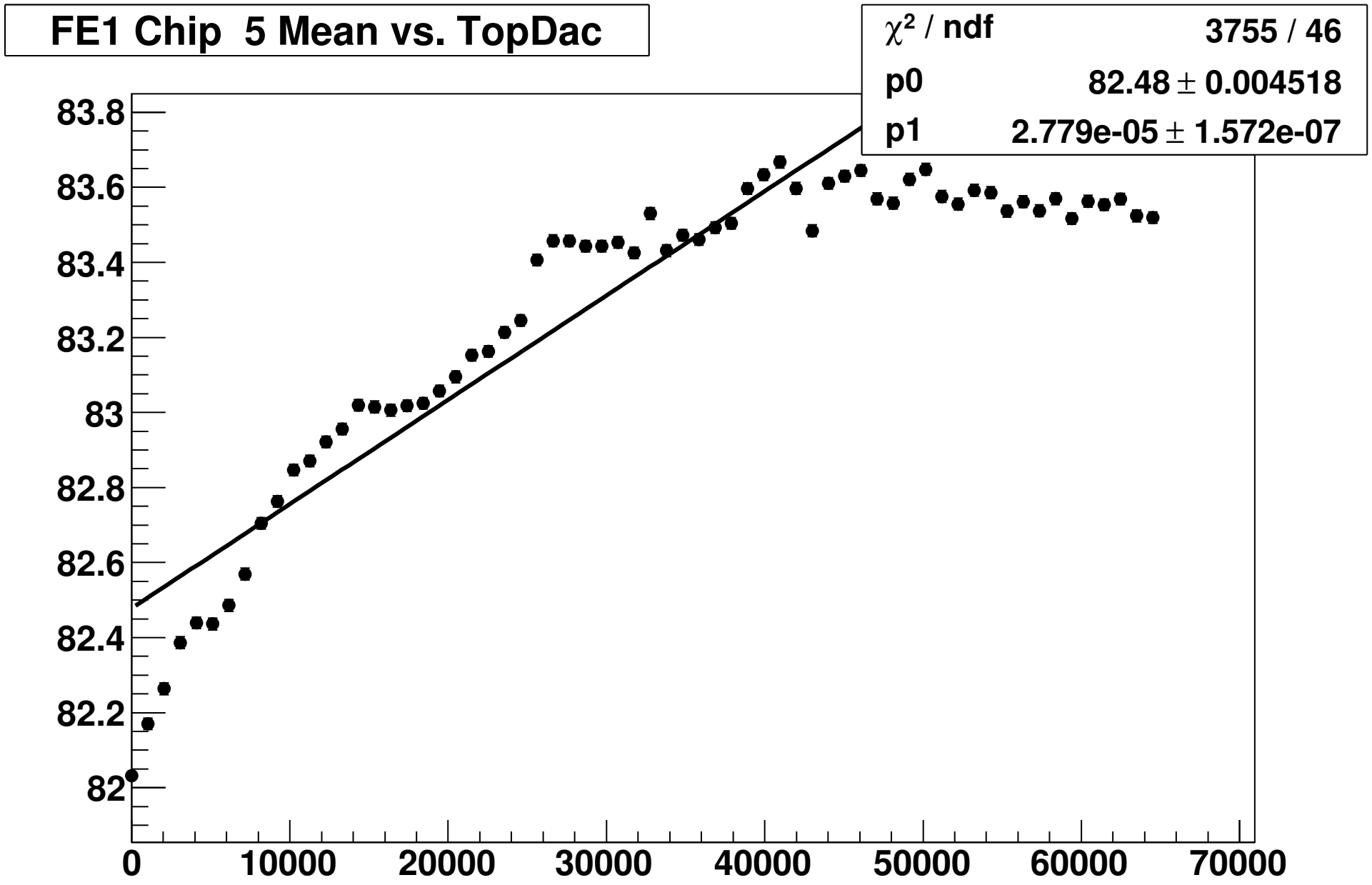
FE1 Chip 5 Mean vs. TopDac
χ² / ndf 3755 / 46
p0 82.48 ± 0.004518
p1 2.779e-05 ± 1.572e-07
83.8
83.6
83.4
83.2
83
82.8
82.6
82.4
82.2
82
0
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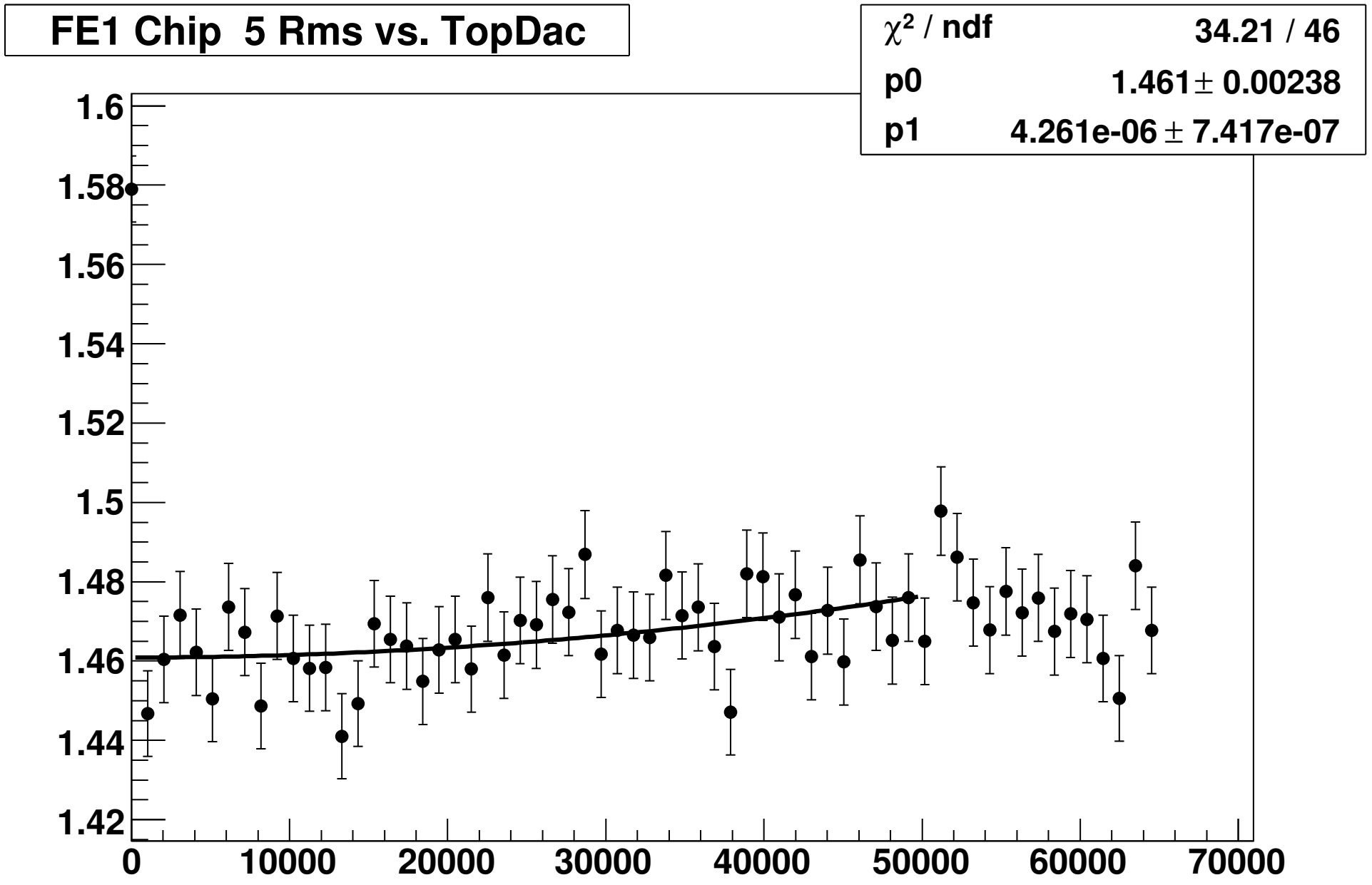
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 34.21 / 46
p0 1.461 ± 0.00238
p1 4.261e-06 ± 7.417e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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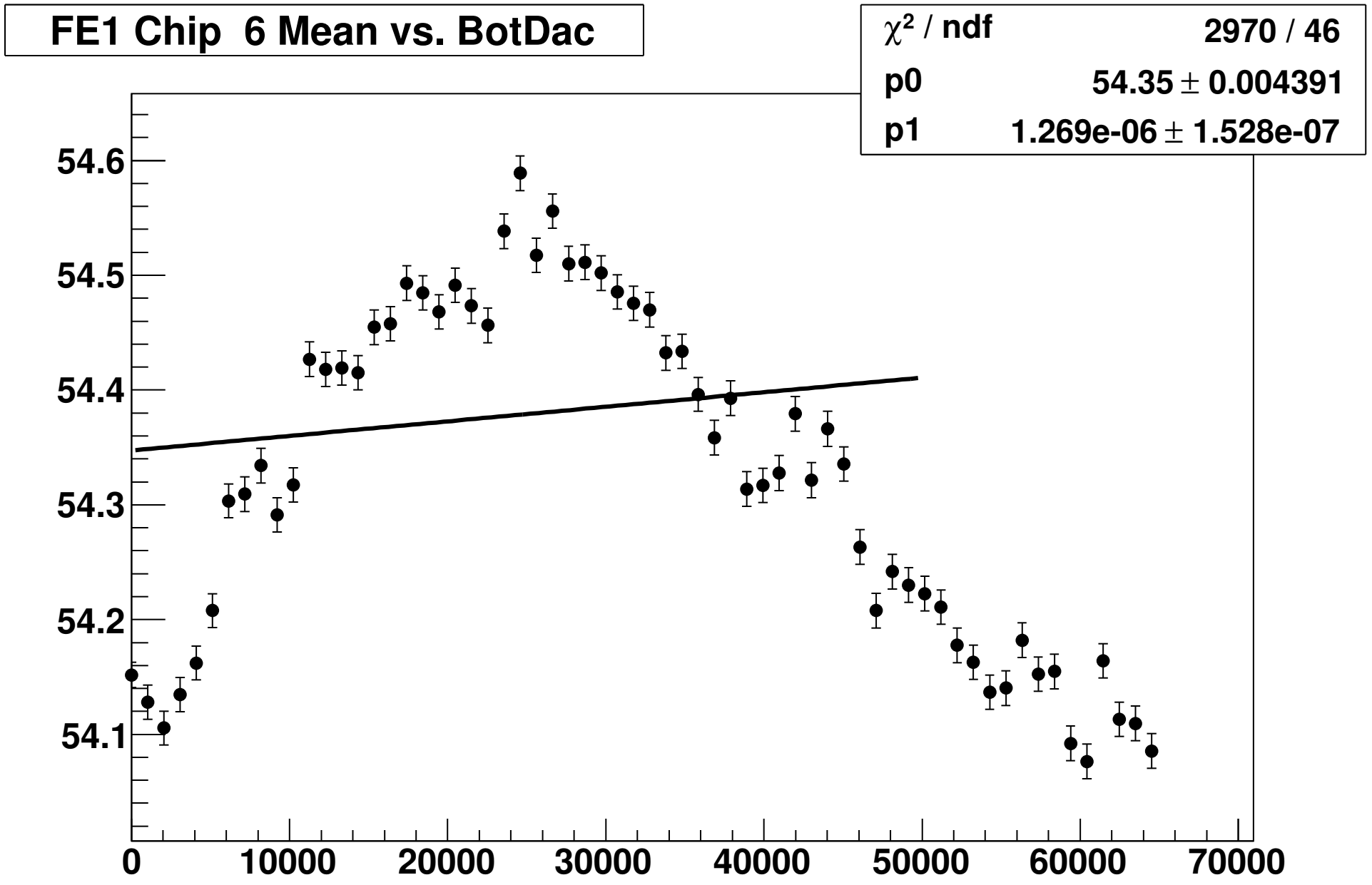
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 2970 / 46
p0 54.35 ± 0.004391
p1 1.269e-06 ± 1.528e-07
54.6
54.5
54.4
54.3
54.2
54.1
0
10000
20000
30000
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60000
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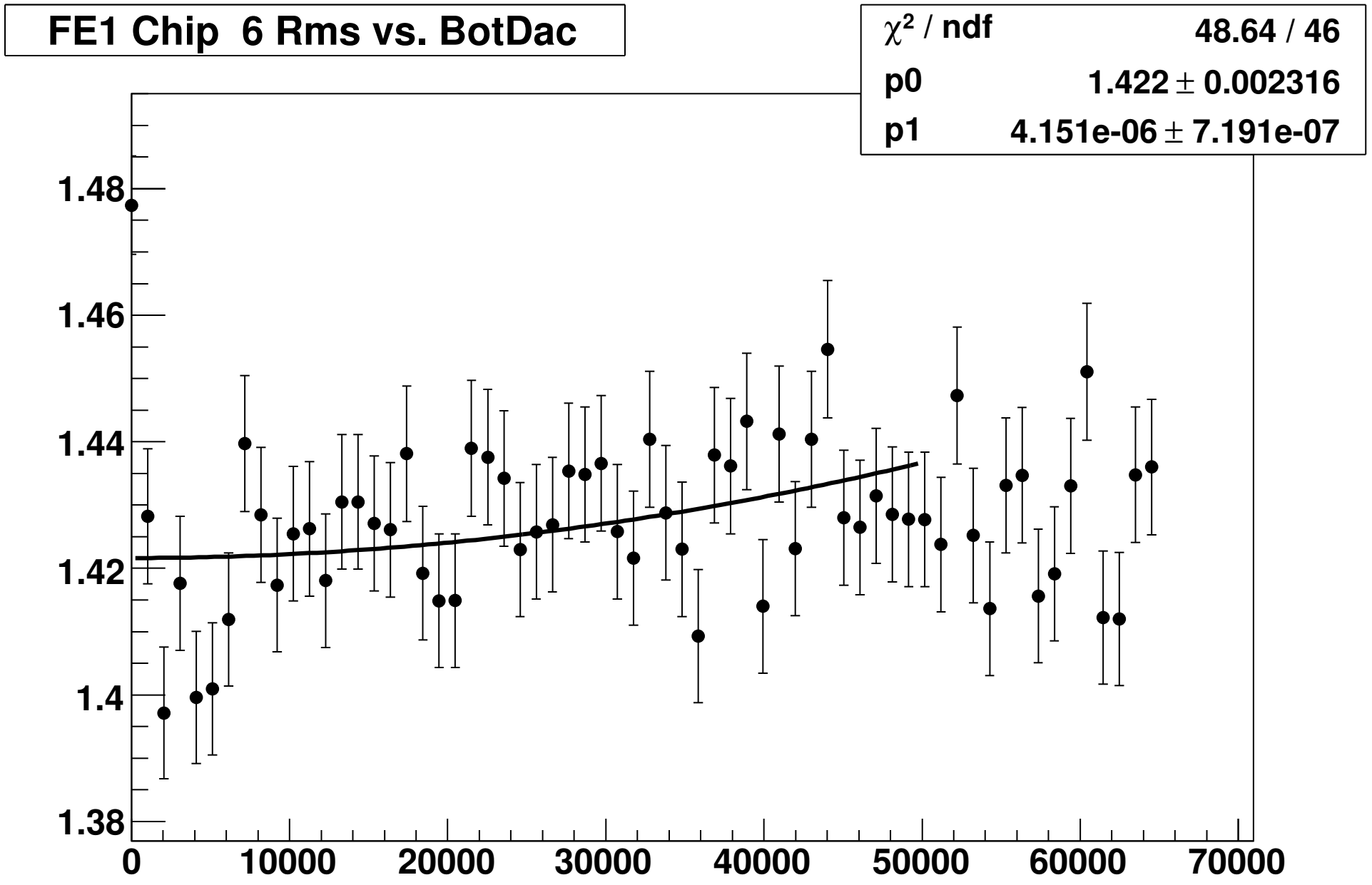
FE1 Chip 6 Rms vs. BotDac
χ² / ndf 48.64 / 46
p0 1.422 ± 0.002316
p1 4.151e-06 ± 7.191e-07
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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60000
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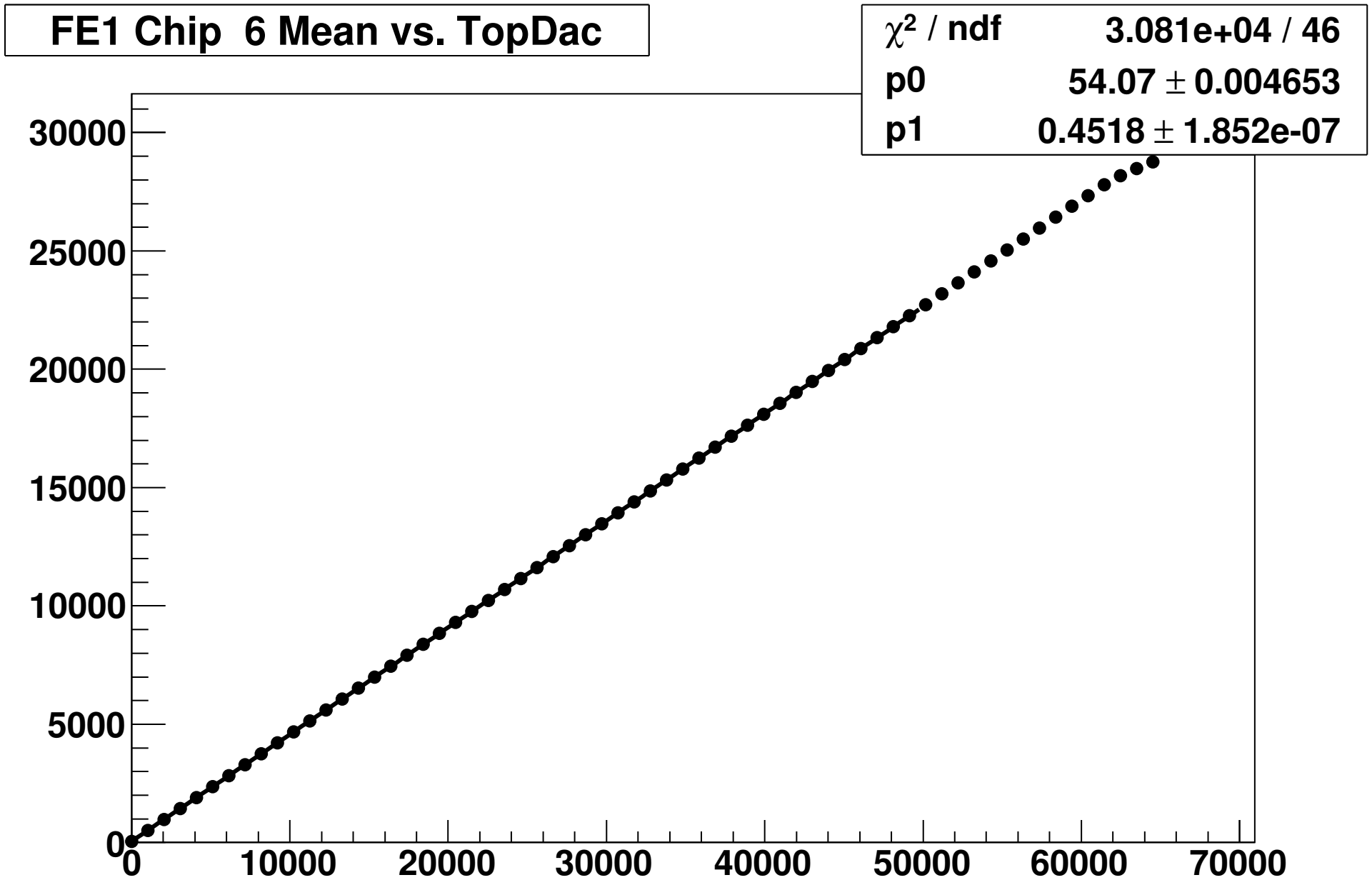
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 3.081e+04 / 46
p0 54.07 ± 0.004653
p1 0.4518 ± 1.852e-07
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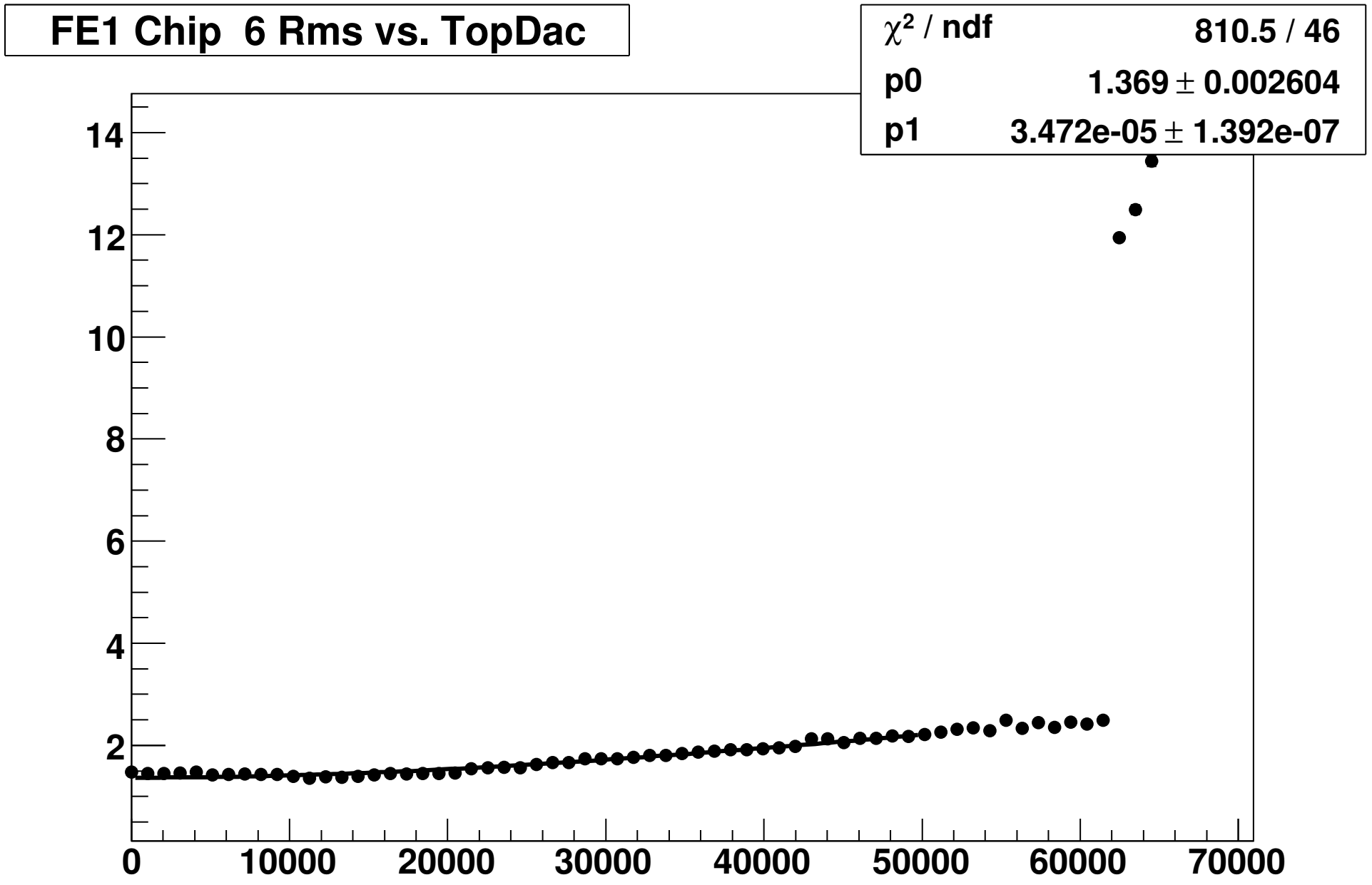
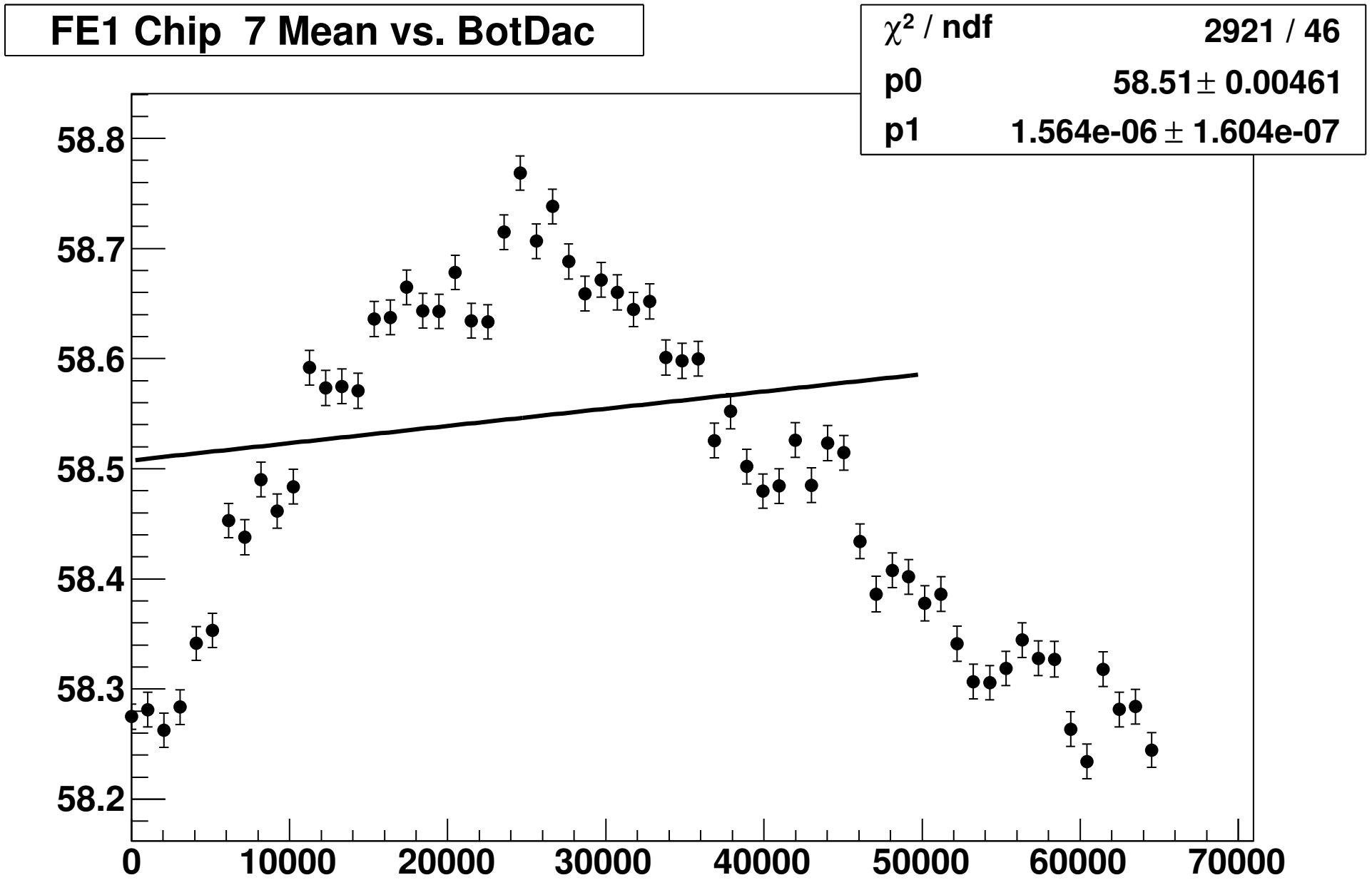
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 810.5 / 46
p0 1.369 ± 0.002604
p1 3.472e-05 ± 1.392e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. BotDac
χ² / ndf 2921 / 46
p0 58.51 ± 0.00461
p1 1.564e-06 ± 1.604e-07
58.8
58.7
58.6
58.5
58.4
58.3
58.2
0
10000
20000
30000
40000
50000
60000
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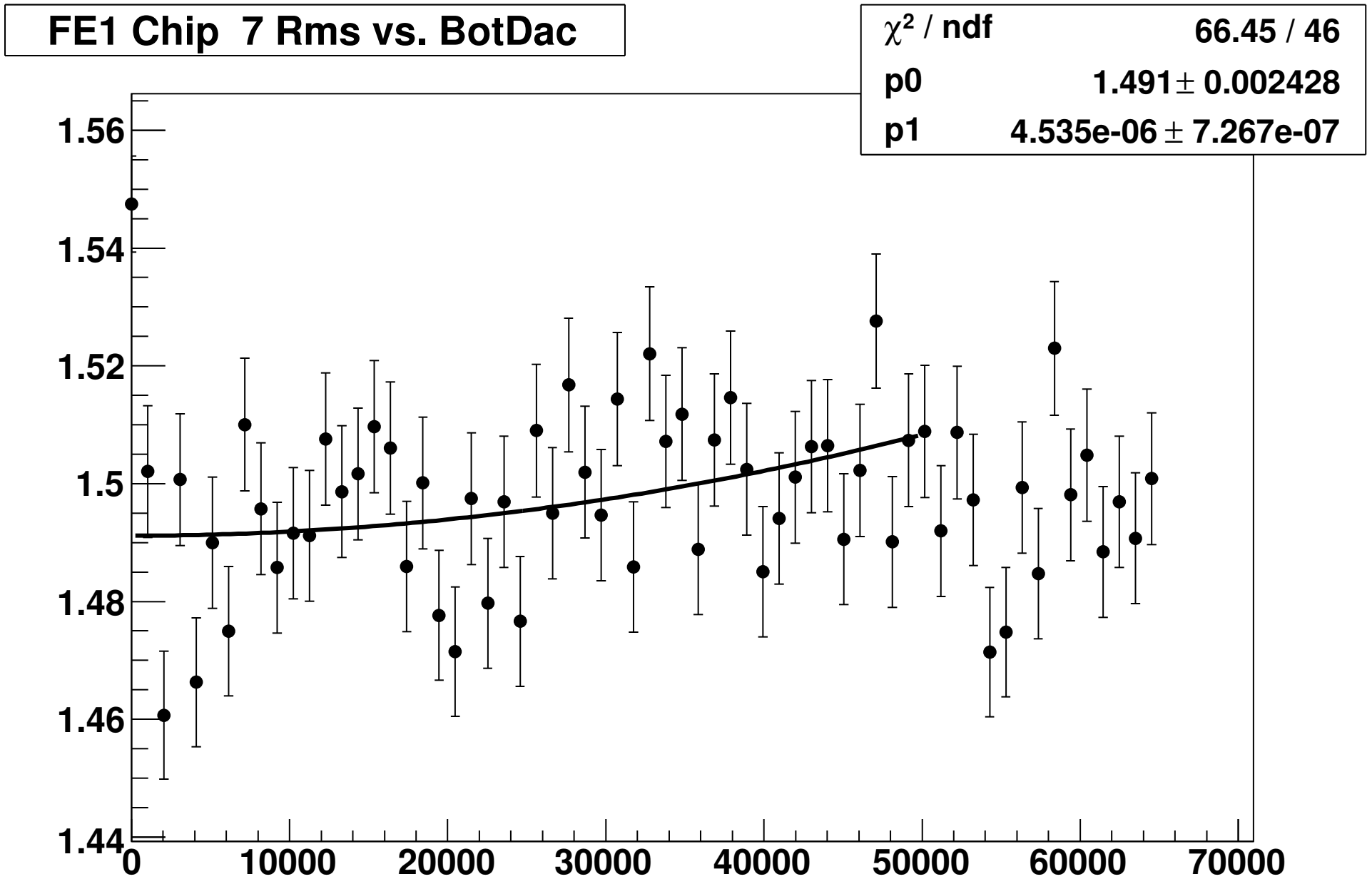
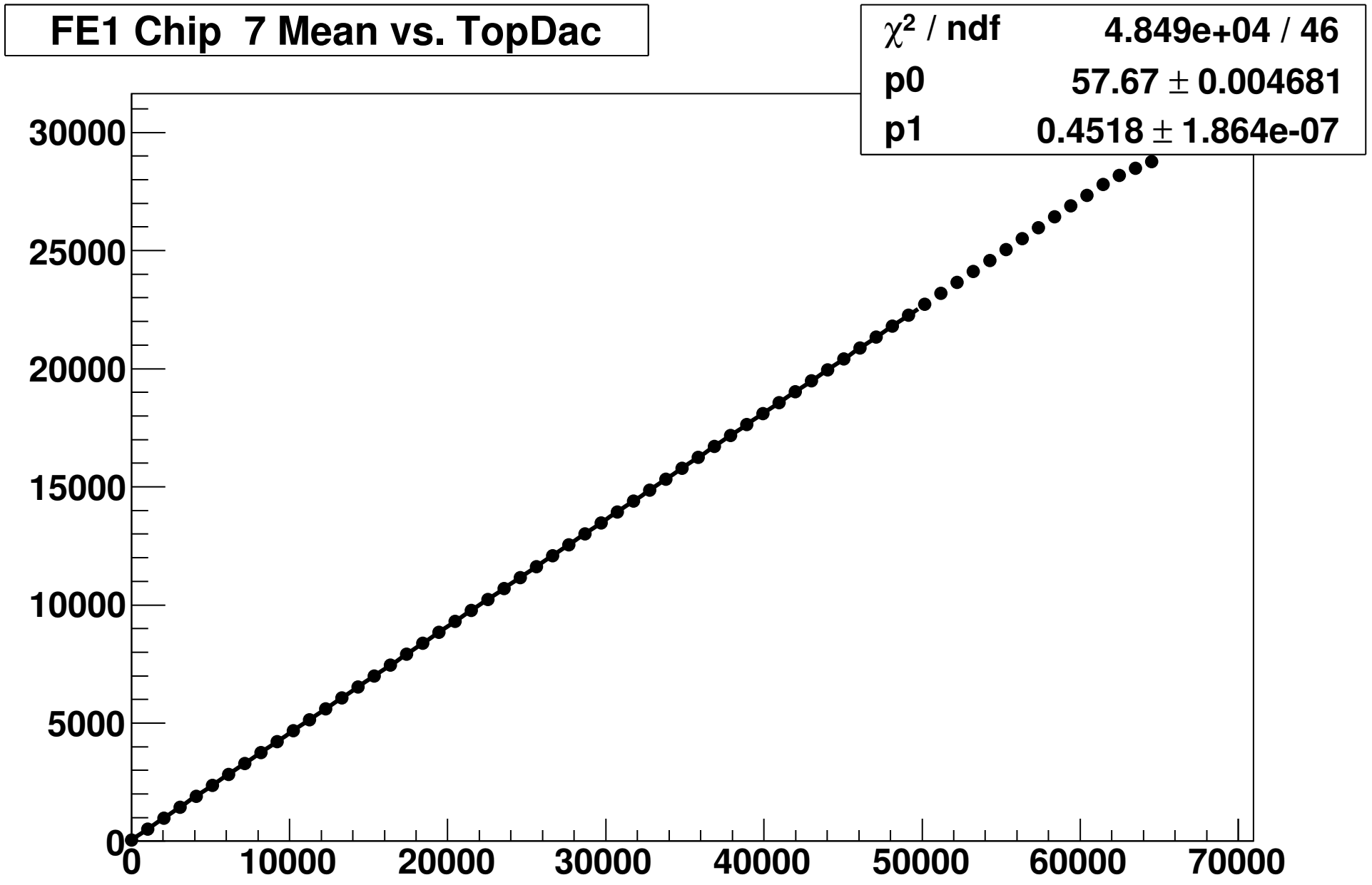
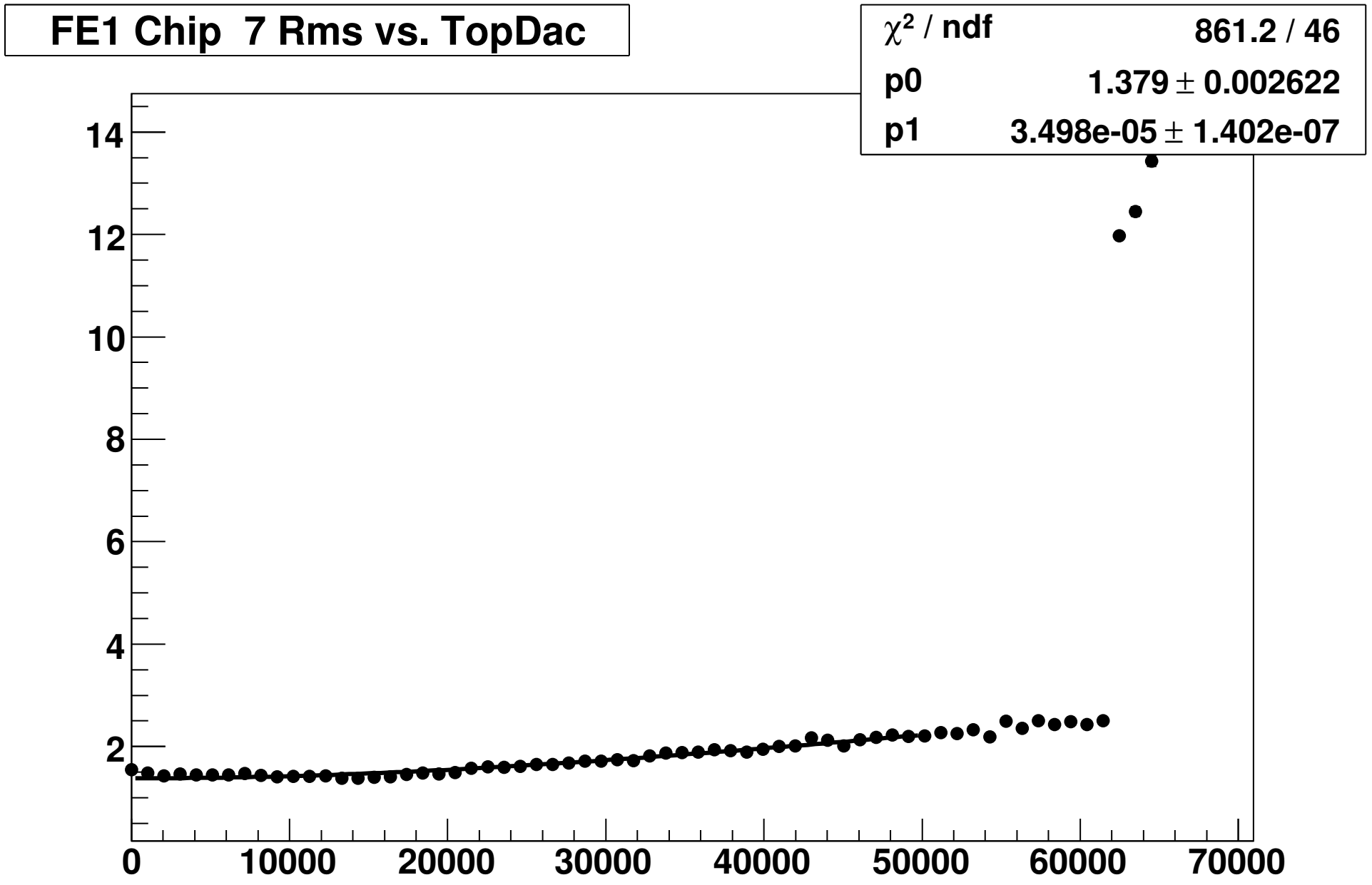

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 66.45 / 46
p0 1.491 ± 0.002428
p1 4.535e-06 ± 7.267e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 4.849e+04 / 46
p0 57.67 ± 0.004681
p1 0.4518 ± 1.864e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 861.2 / 46
p0 1.379 ± 0.002622
p1 3.498e-05 ± 1.402e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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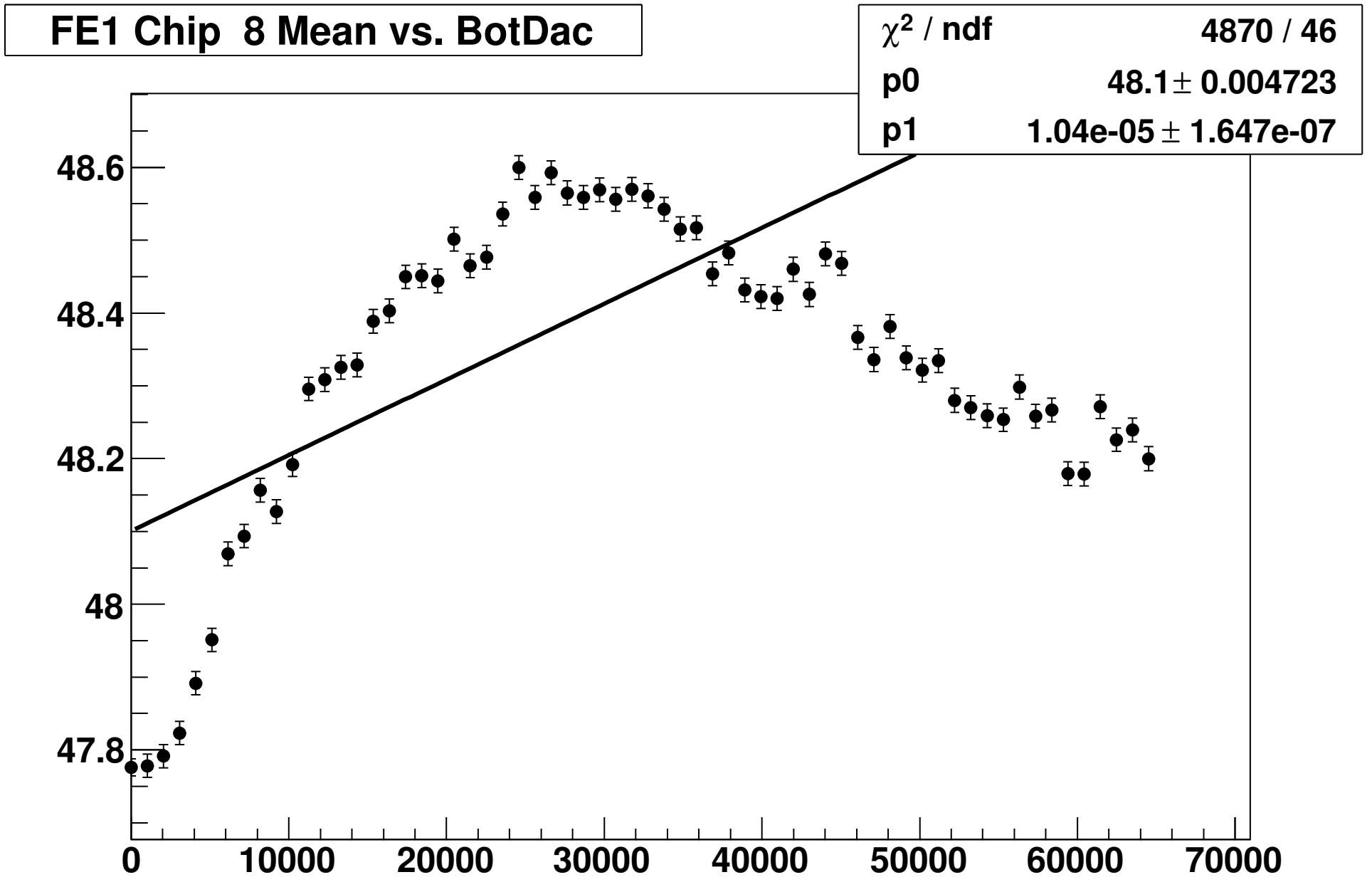
FE1 Chip 8 Mean vs. BotDac
χ² / ndf 4870 / 46
p0 48.1 ± 0.004723
p1 1.04e-05 ± 1.647e-07
48.6
48.4
48.2
48
47.8
0
10000
20000
30000
40000
50000
60000
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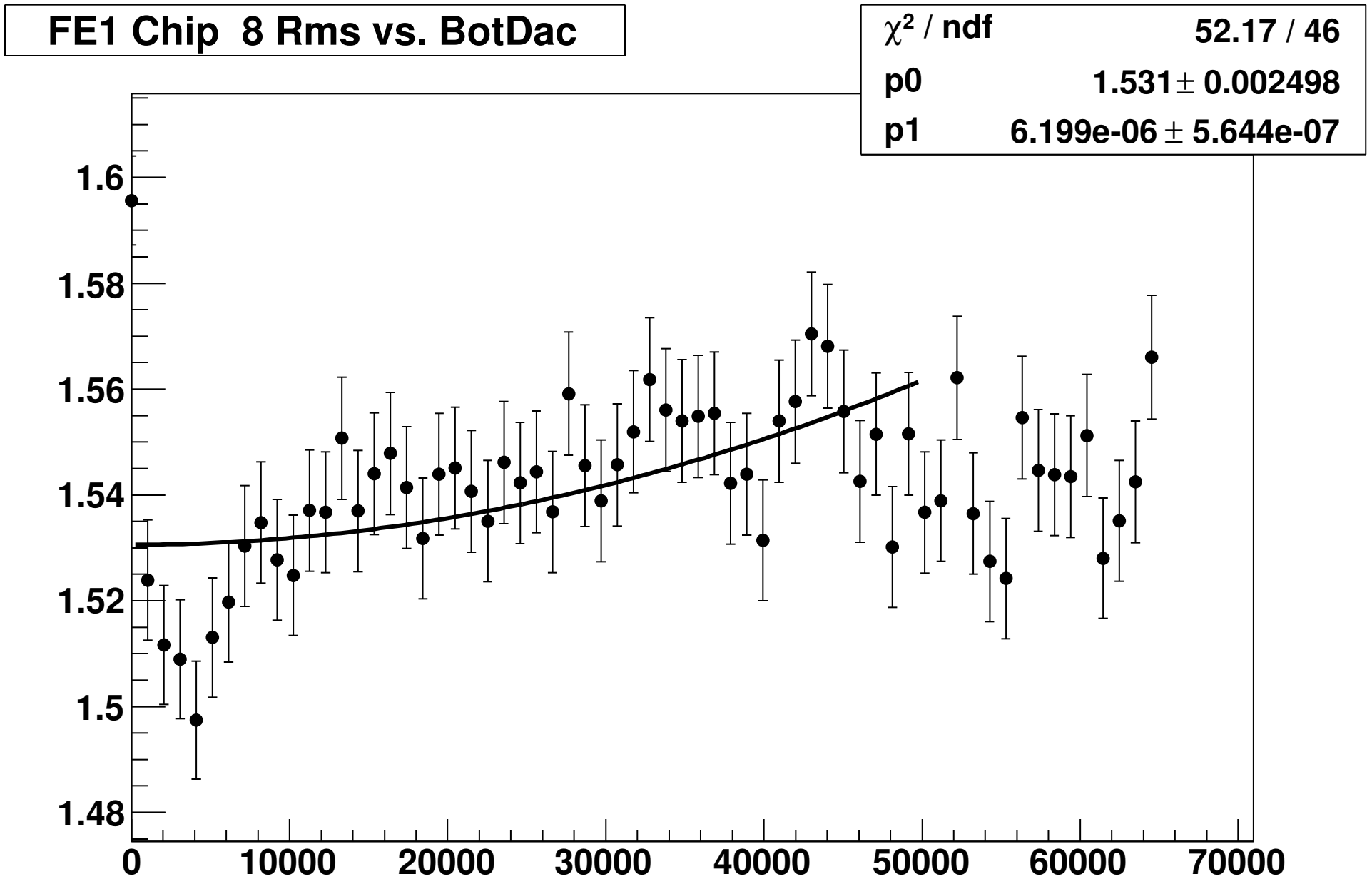
FE1 Chip 8 Rms vs. BotDac
χ² / ndf 52.17 / 46
p0 1.531 ± 0.002498
p1 6.199e-06 ± 5.644e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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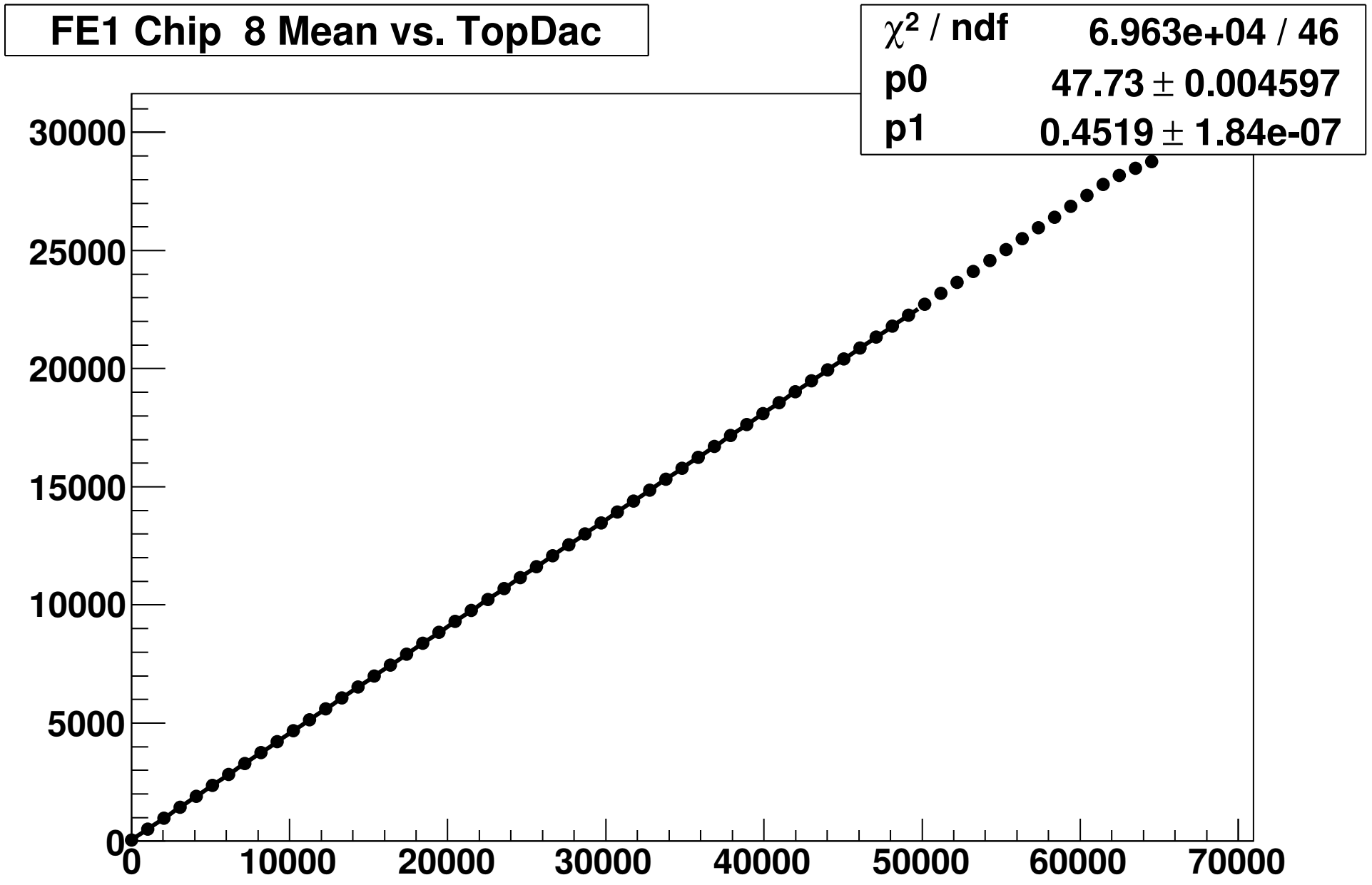
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 6.963e+04 / 46
p0 47.73 ± 0.004597
p1 0.4519 ± 1.84e-07
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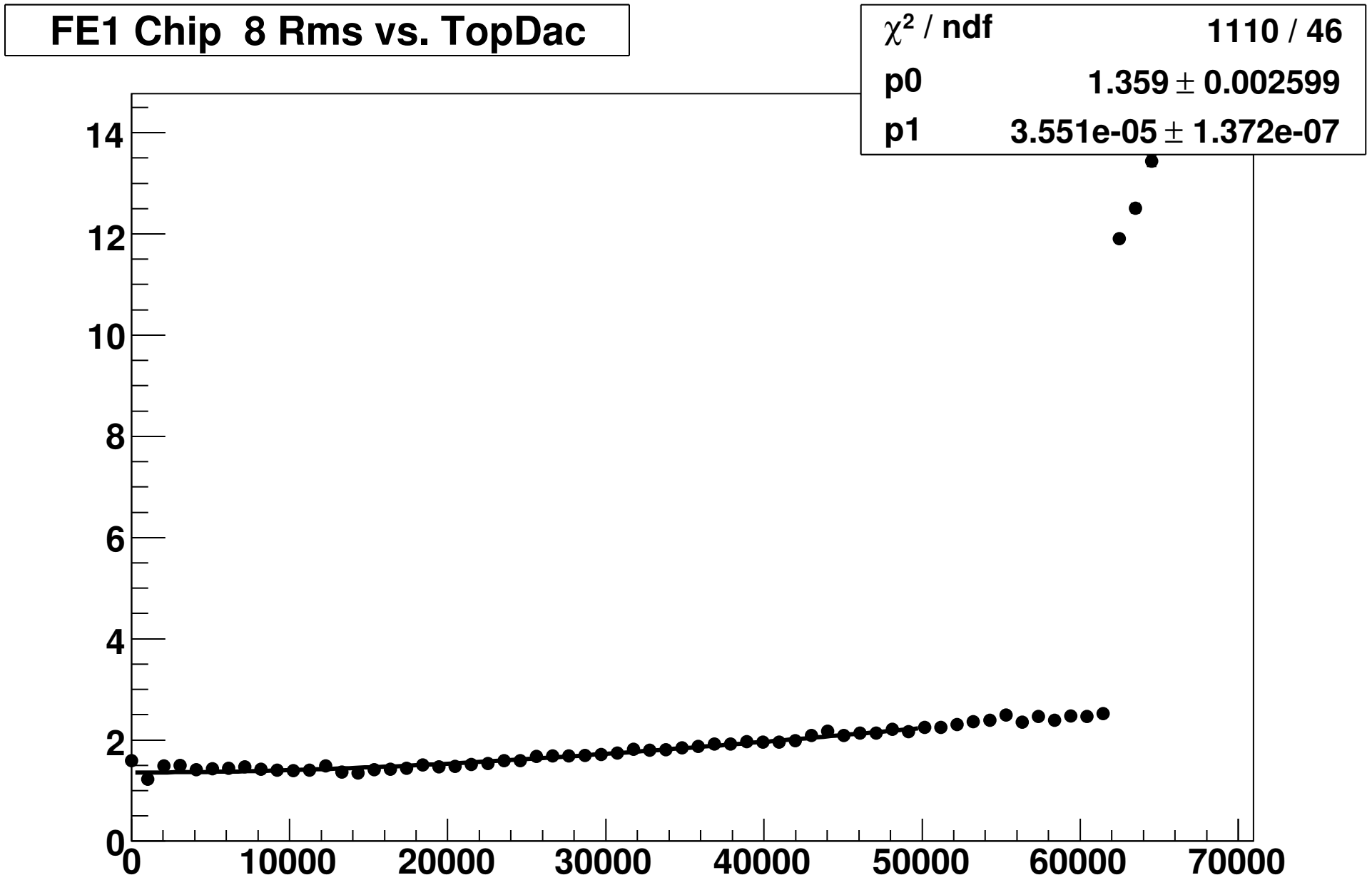
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1110 / 46
p0 1.359 ± 0.002599
p1 3.551e-05 ± 1.372e-07
14
12
10
8
6
4
2
0
0
10000
20000
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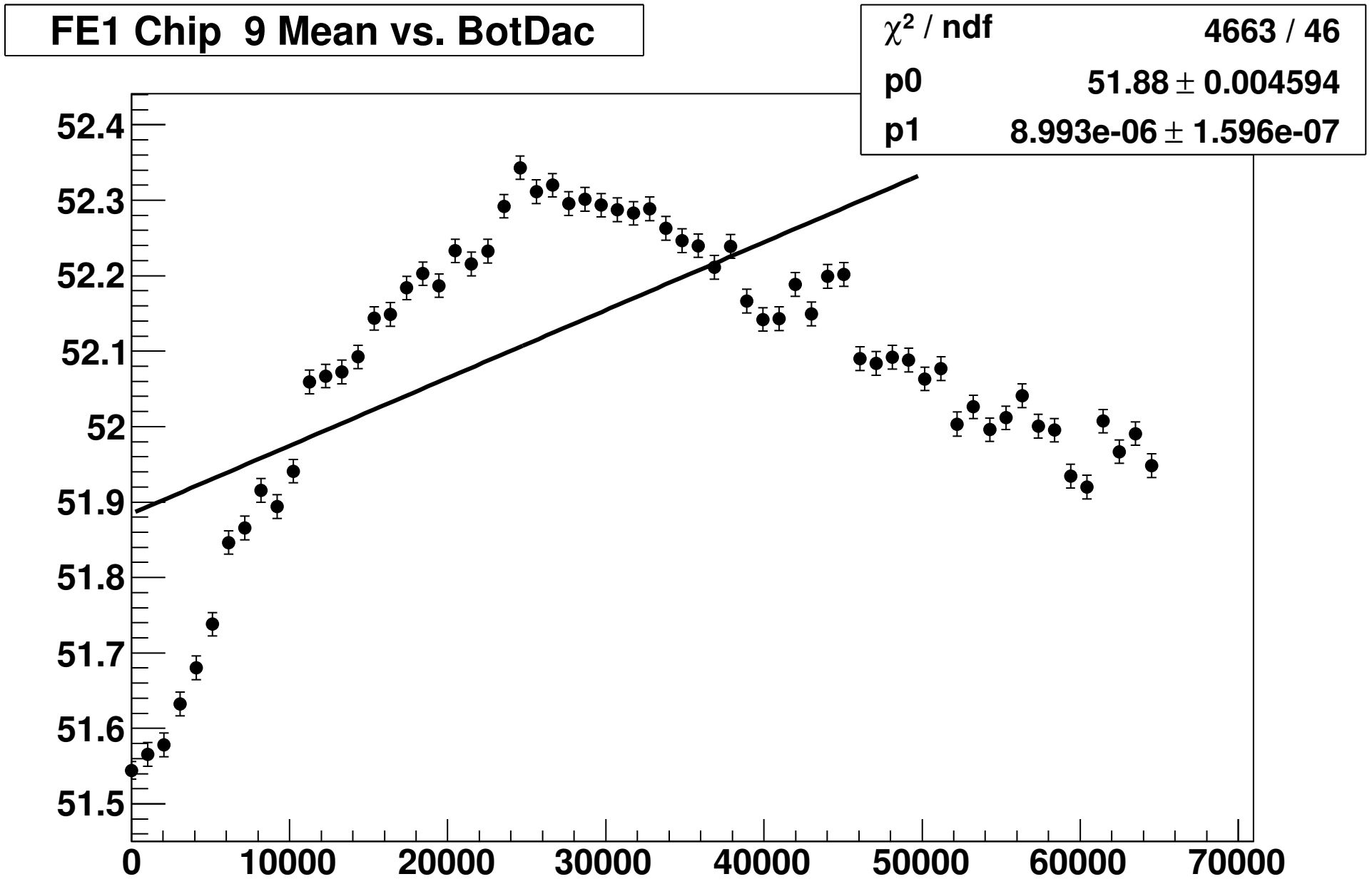
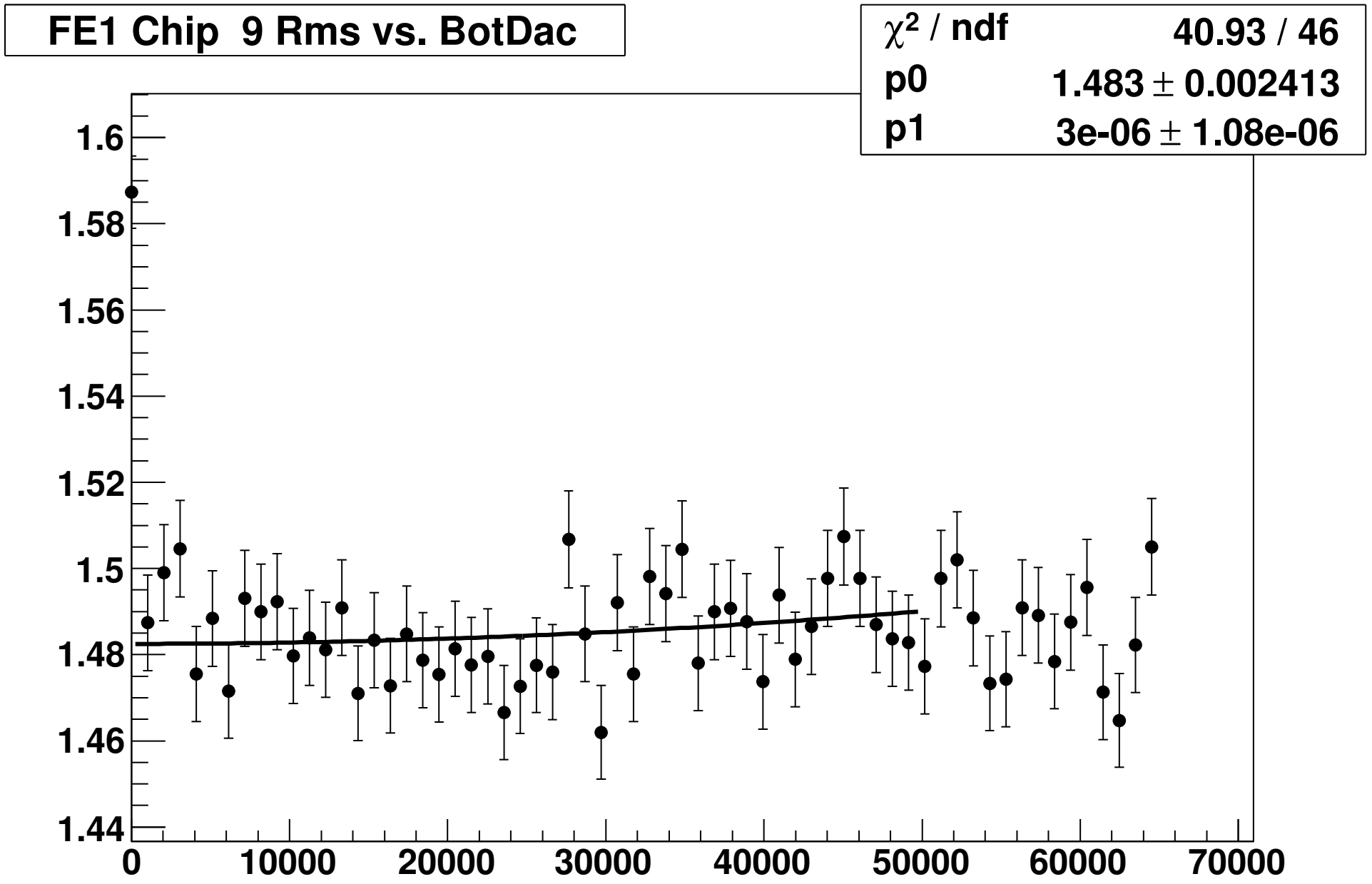
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 4663 / 46
p0 51.88 ± 0.004594
p1 8.993e-06 ± 1.596e-07
52.4
52.3
52.2
52.1
52
51.9
51.8
51.7
51.6
51.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 40.93 / 46
p0 1.483 ± 0.002413
p1 3e-06 ± 1.08e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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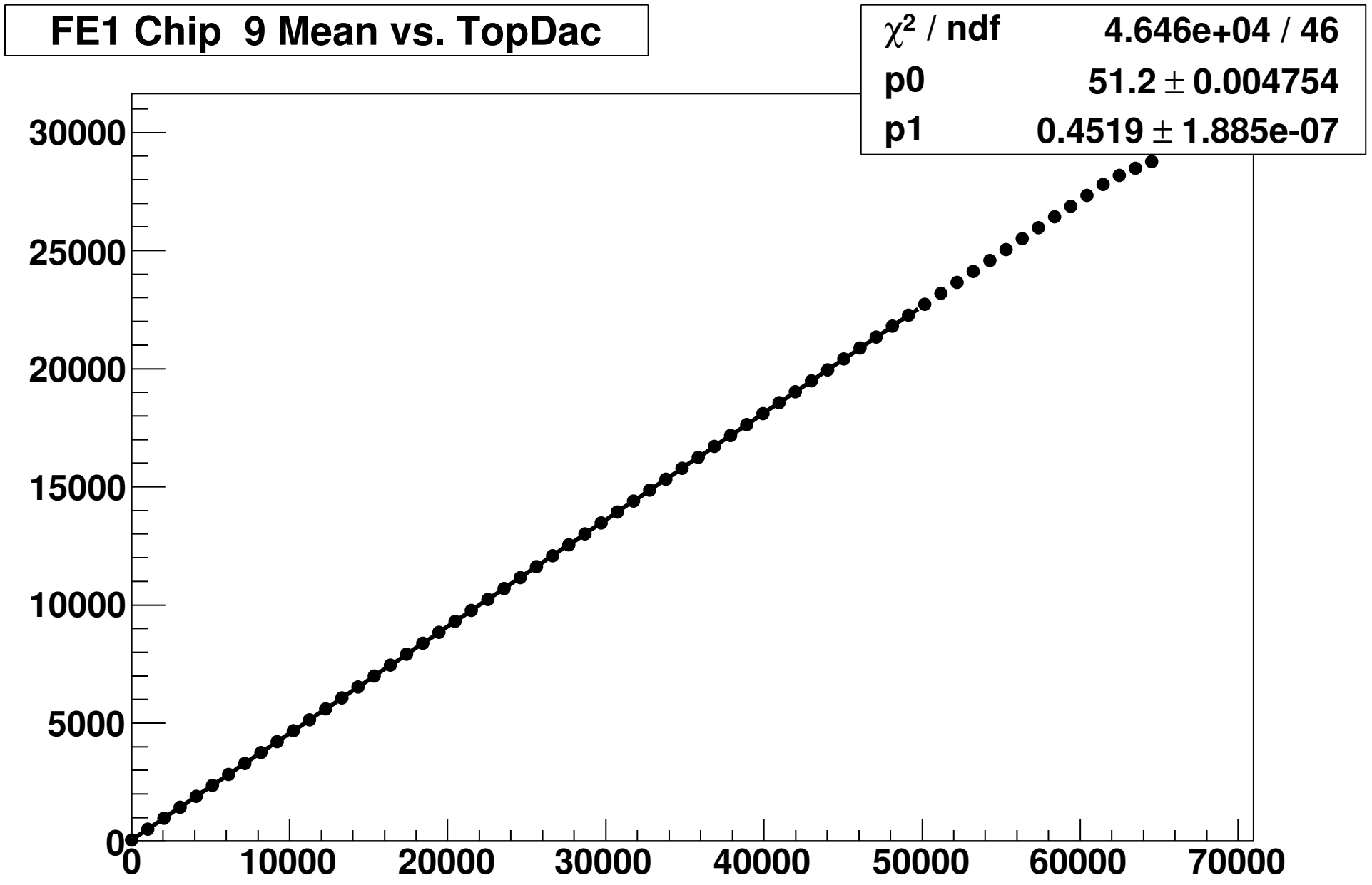
FE1 Chip 9 Mean vs. TopDac
χ² / ndf 4.646e+04 / 46
p0 51.2 ± 0.004754
p1 0.4519 ± 1.885e-07
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20000
15000
10000
5000
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20000
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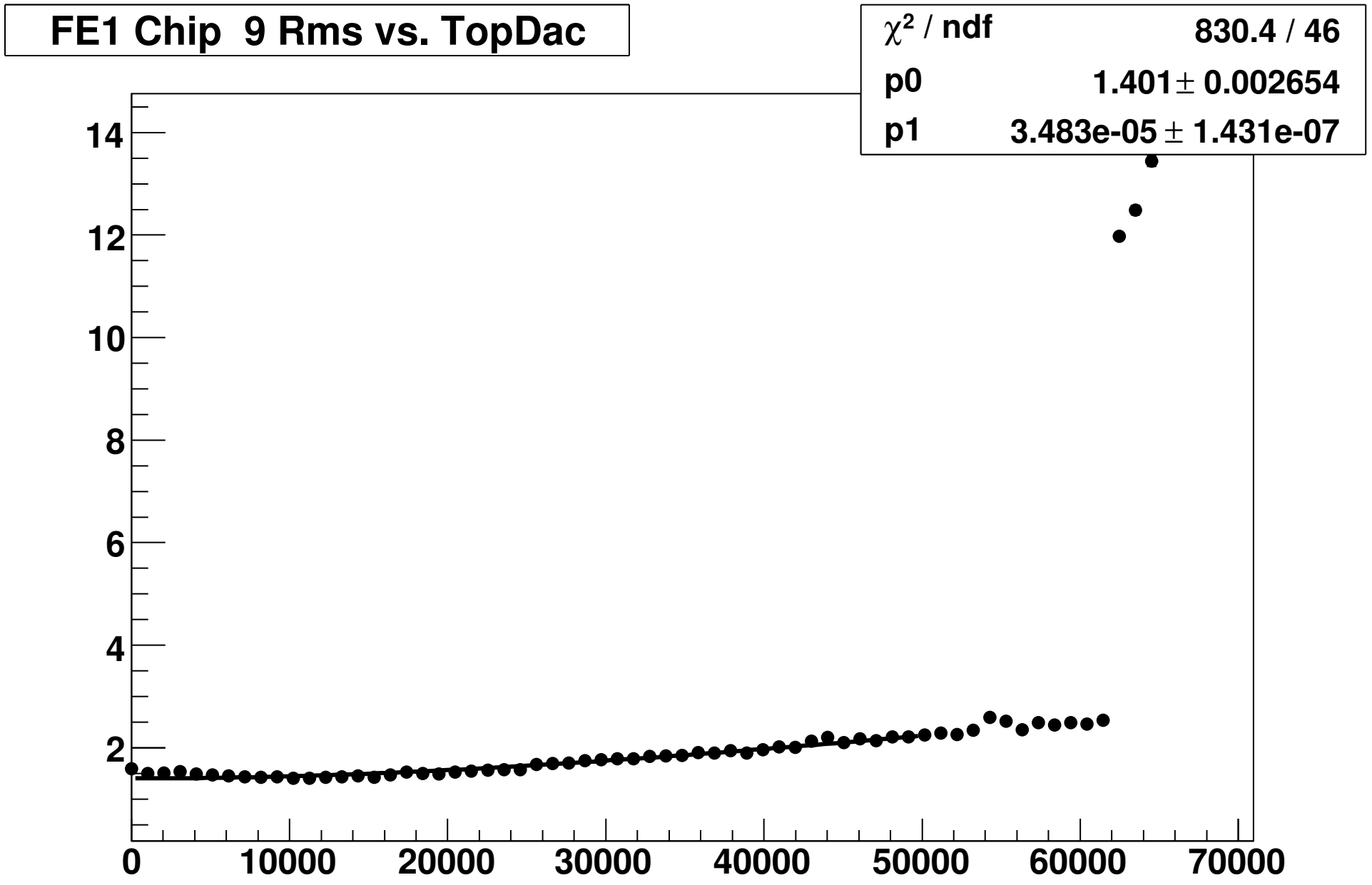
70000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 830.4 / 46
p0 1.401 ± 0.002654
p1 3.483e-05 ± 1.431e-07
14
12
10
8
6
4
2
0
10000
20000
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60000
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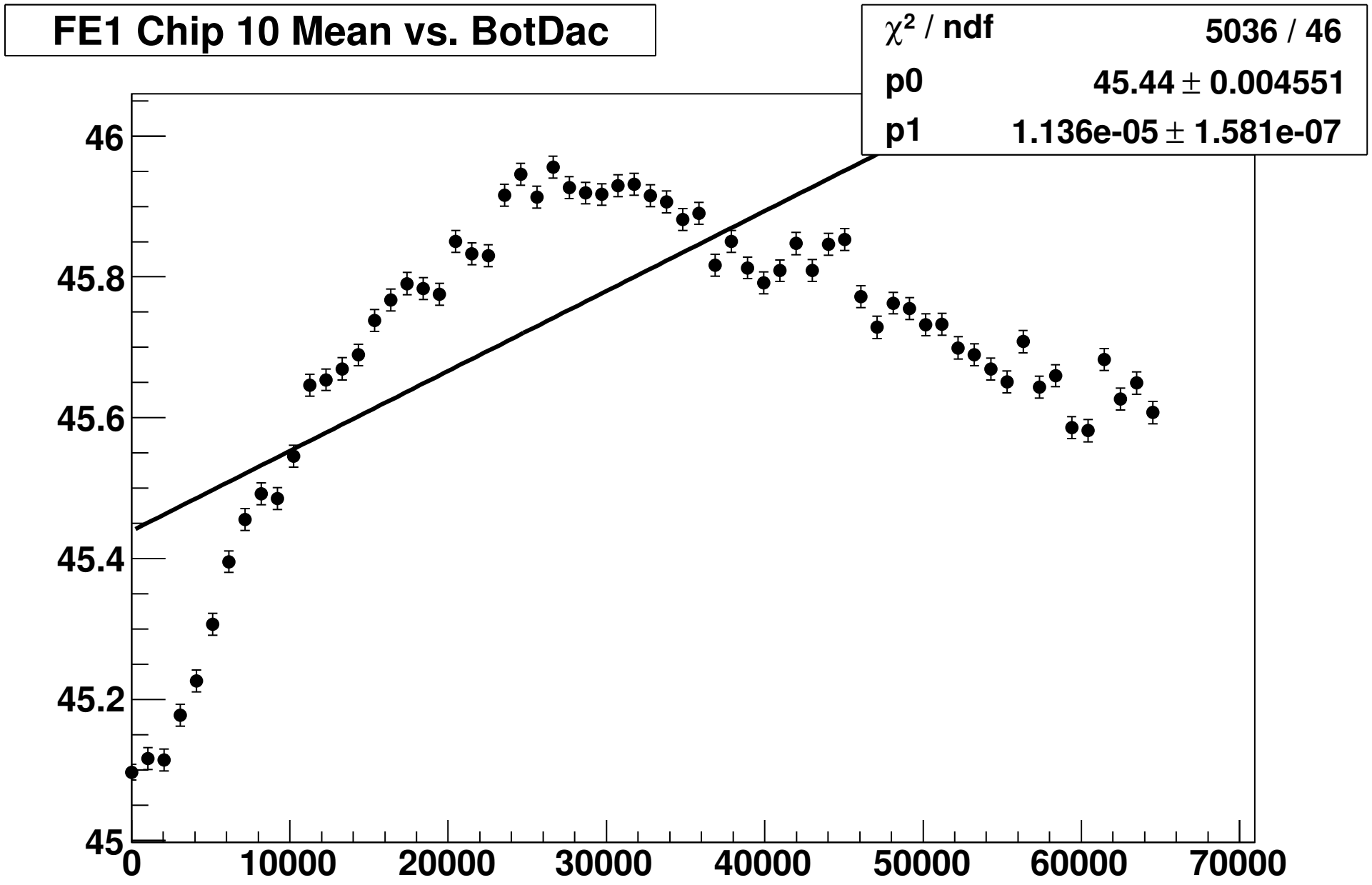
FE1 Chip 10 Mean vs. BotDac
χ² / ndf 5036 / 46
p0 45.44 ± 0.004551
p1 1.136e-05 ± 1.581e-07
46
45.8
45.6
45.4
45.2
45
0
10000
20000
30000
40000
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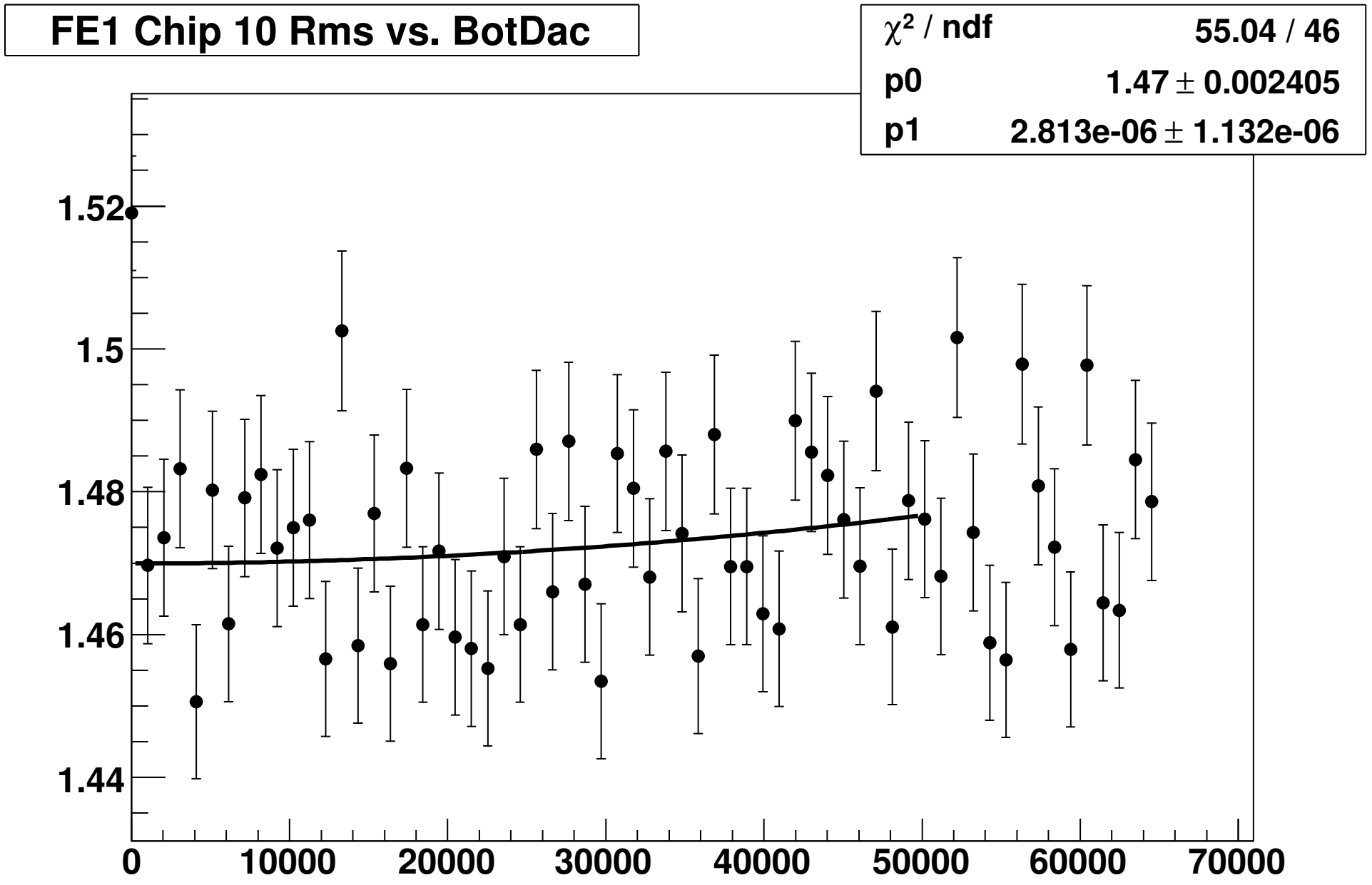
FE1 Chip 10 Rms vs. BotDac
χ² / ndf 55.04 / 46
p0 1.47 ± 0.002405
p1 2.813e-06 ± 1.132e-06
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
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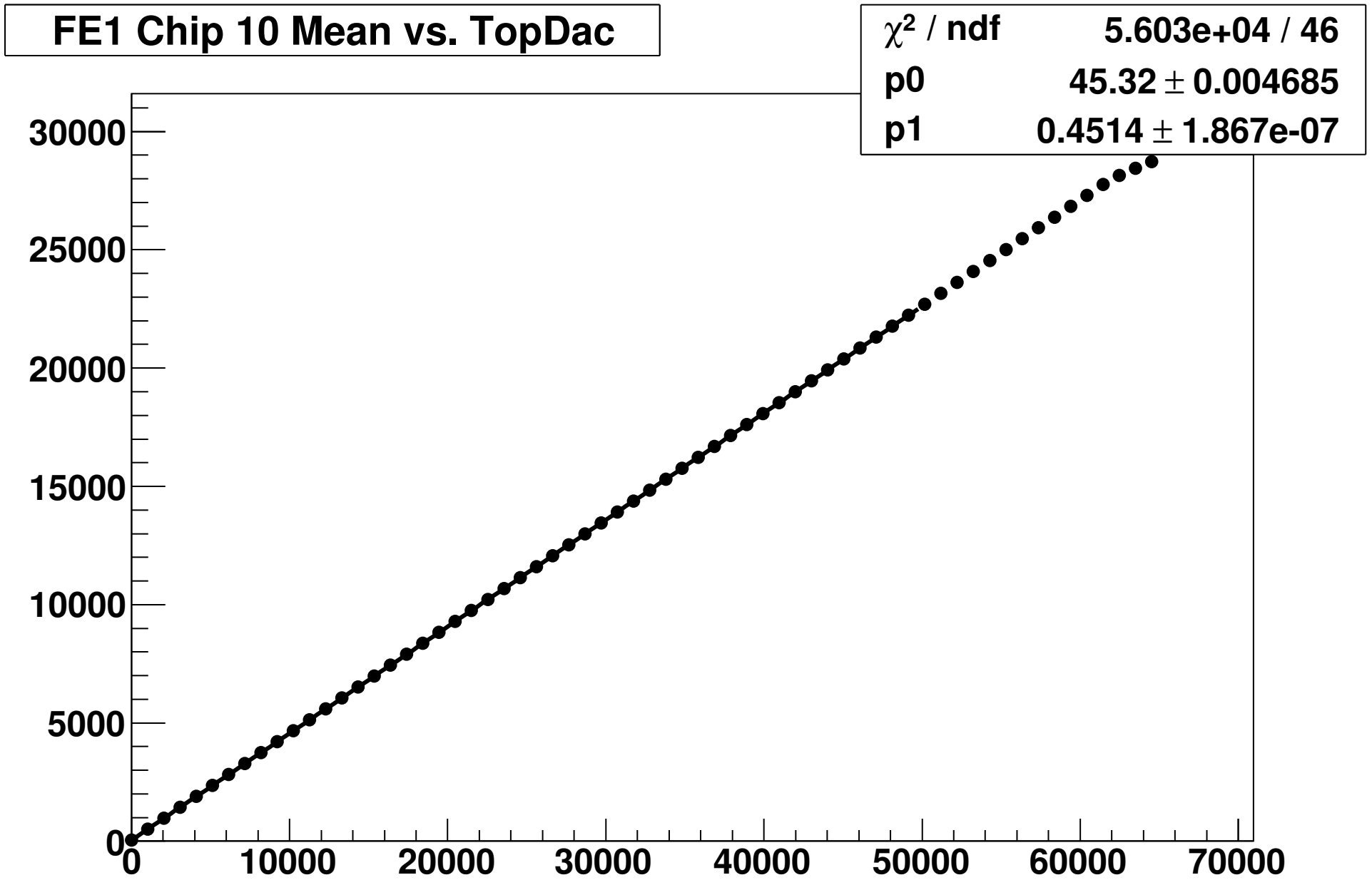
60000
70000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 5.603e+04 / 46
p0 45.32 ± 0.004685
p1 0.4514 ± 1.867e-07
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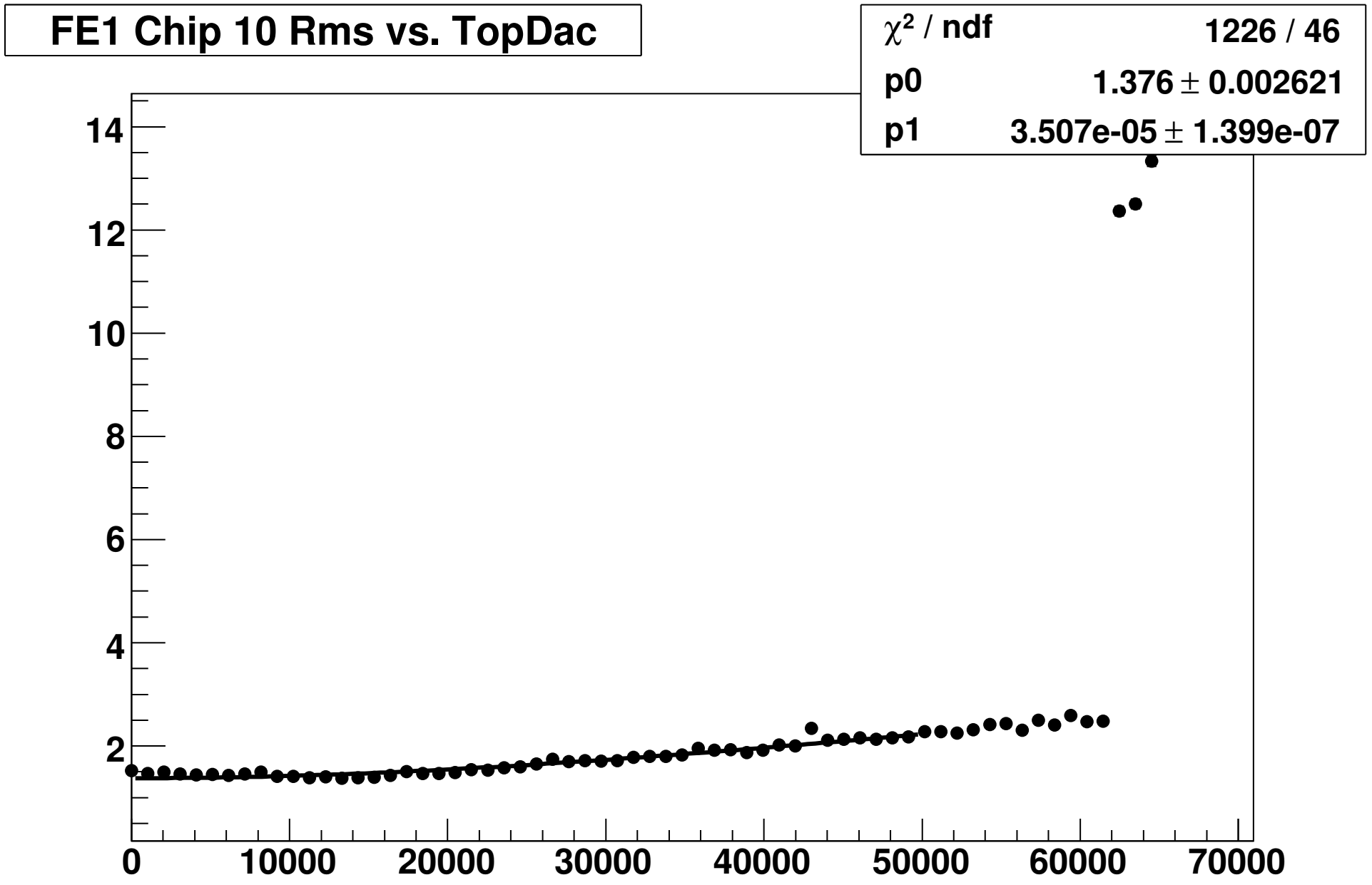
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1226 / 46
p0 1.376 ± 0.002621
p1 3.507e-05 ± 1.399e-07
14
12
10
8
6
4
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0
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20000
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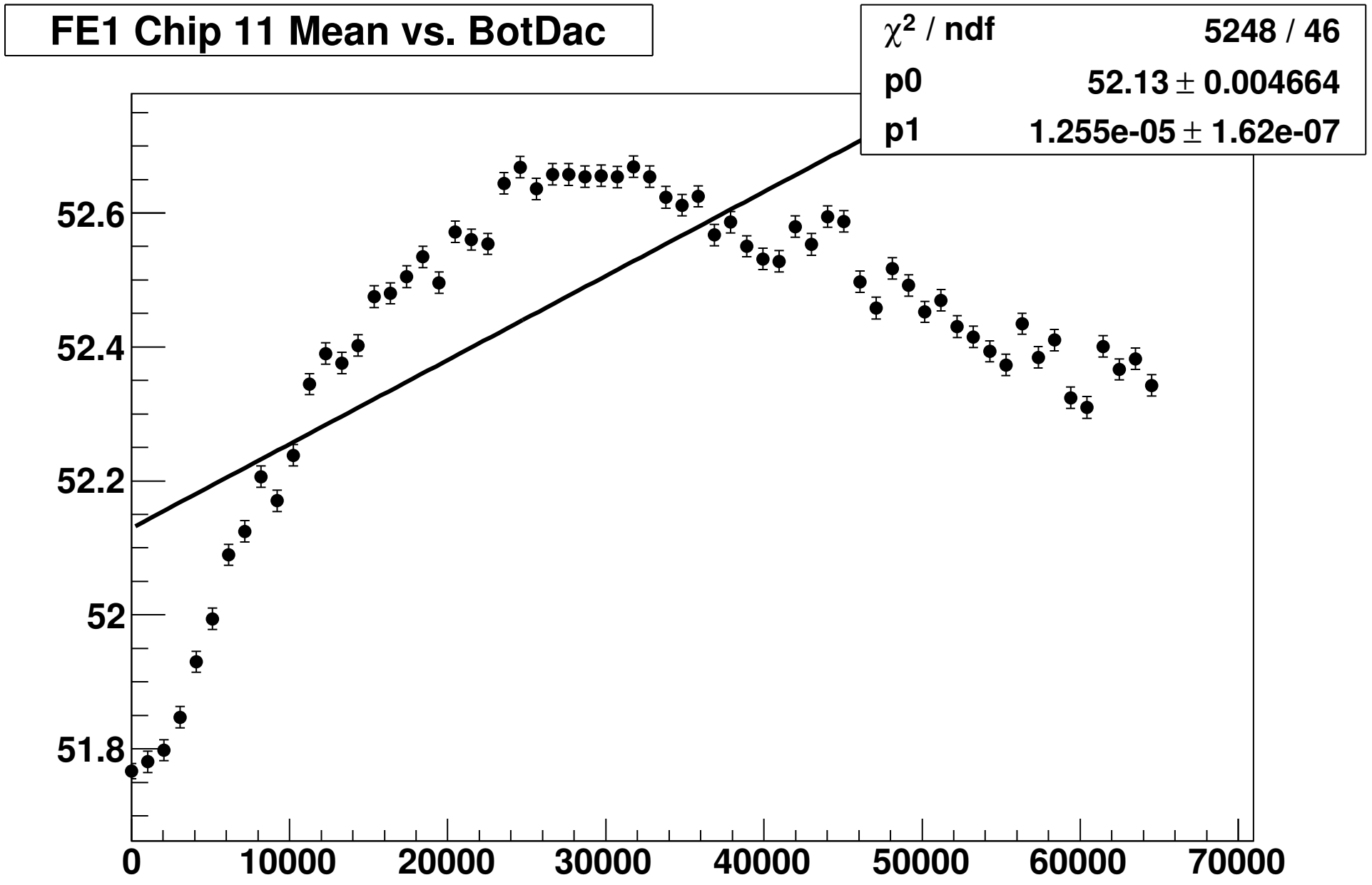
FE1 Chip 11 Mean vs. BotDac
χ² / ndf 5248 / 46
p0 52.13 ± 0.004664
p1 1.255e-05 ± 1.62e-07
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52.4
52.2
52
51.8
0
10000
20000
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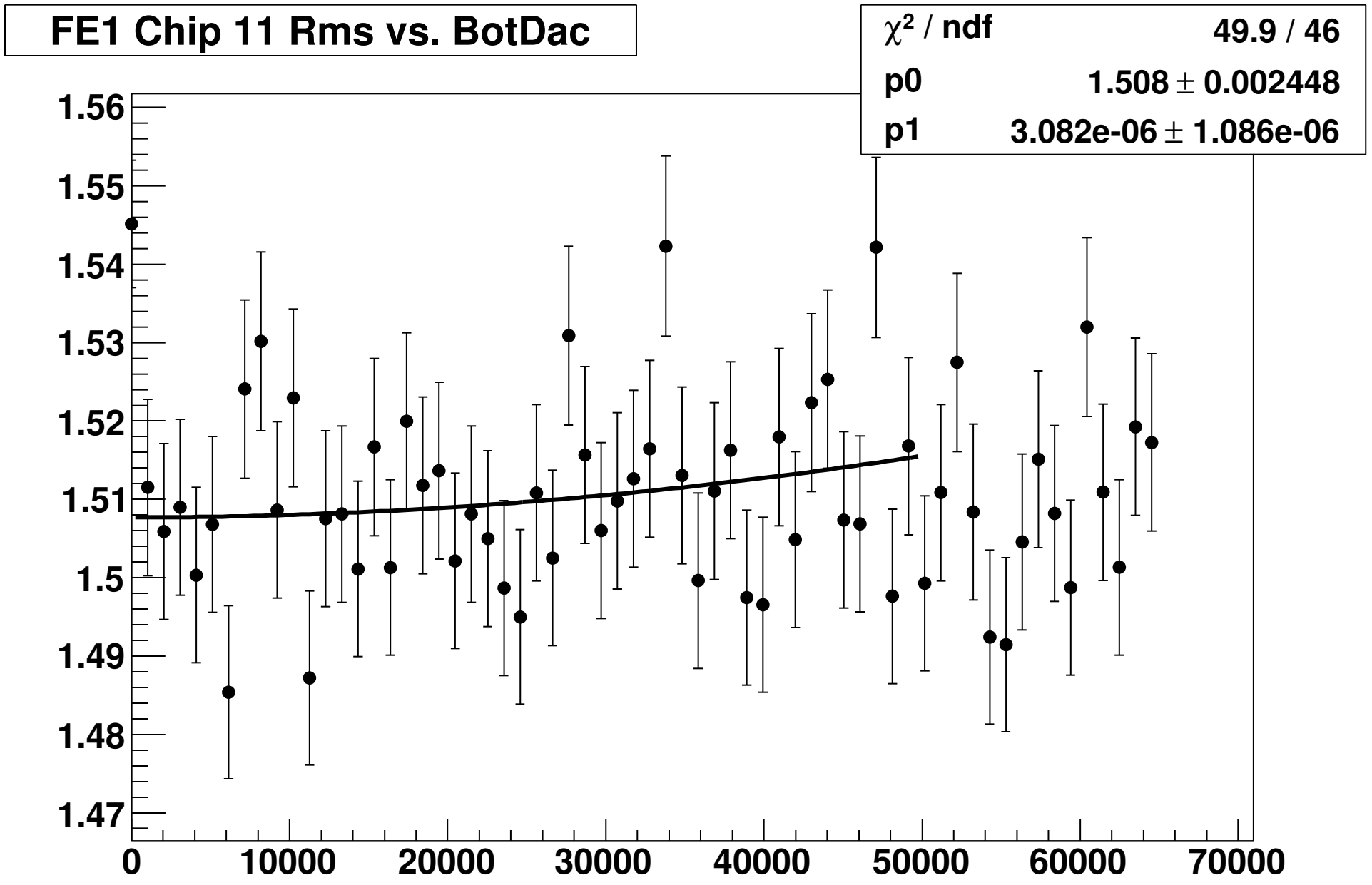
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 49.9 / 46
p0 1.508 ± 0.002448
p1 3.082e-06 ± 1.086e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
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60000
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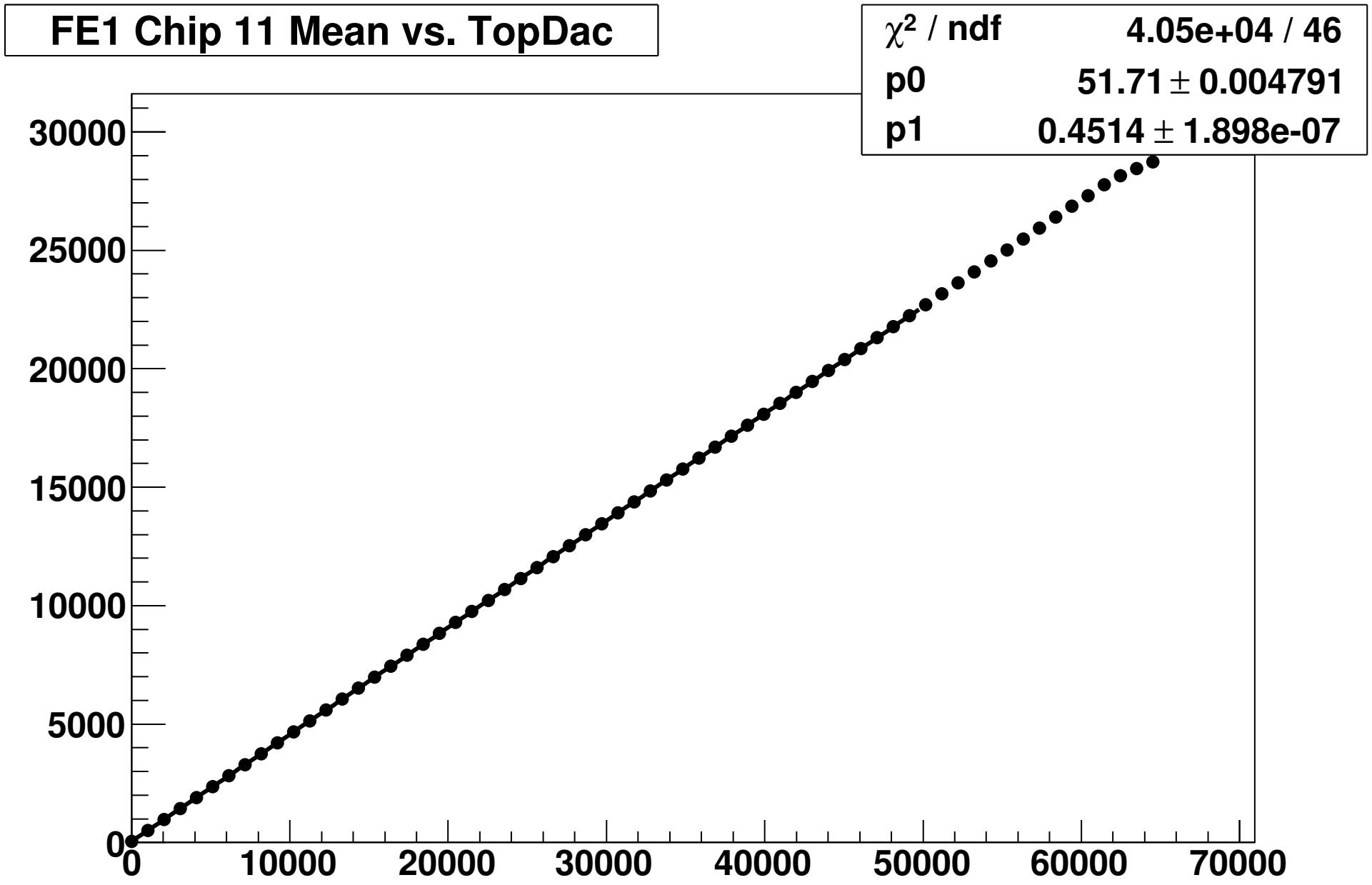
FE1 Chip 11 Mean vs. TopDac
χ² / ndf 4.05e+04 / 46
p0 51.71 ± 0.004791
p1 0.4514 ± 1.898e-07
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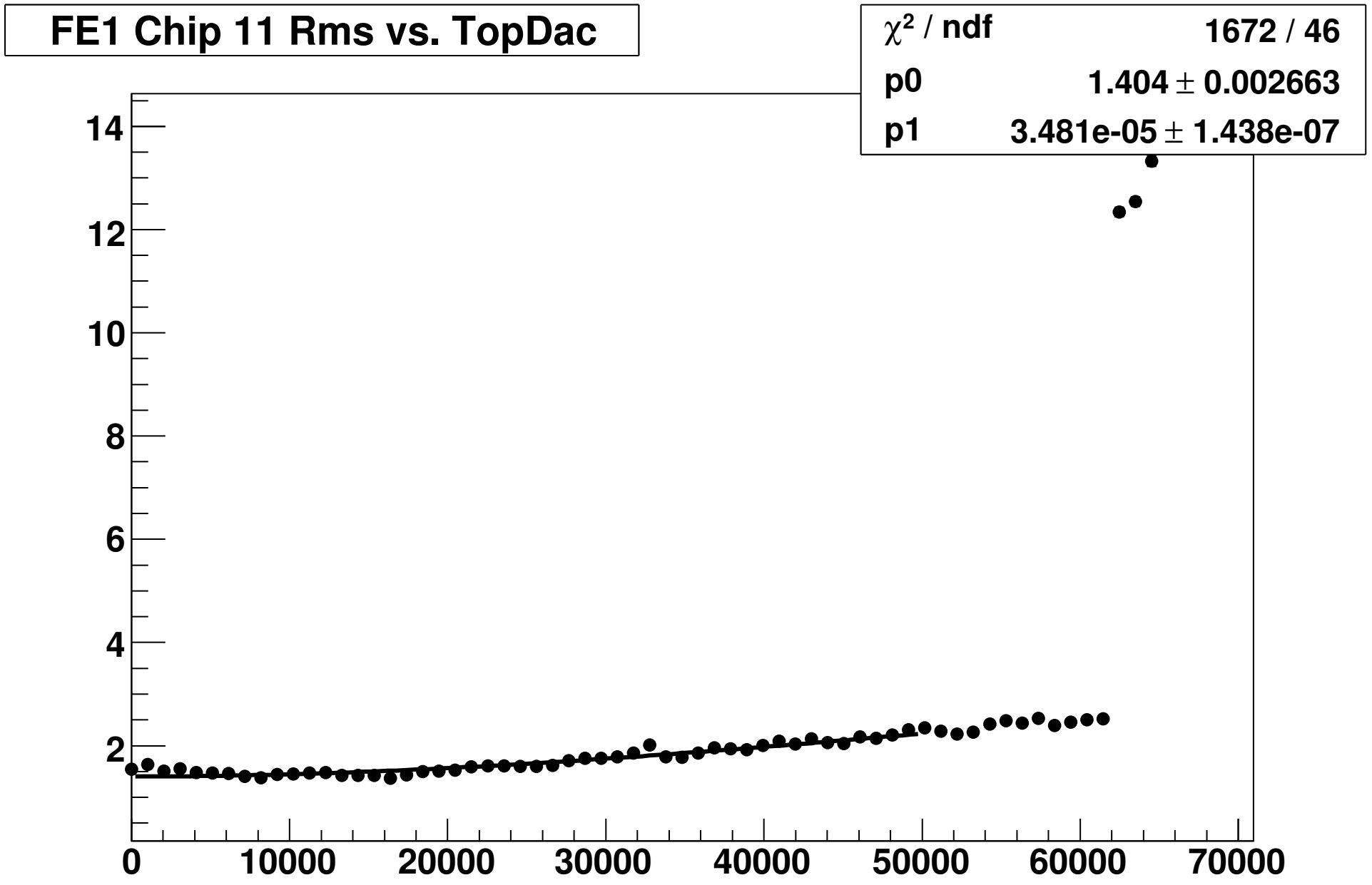
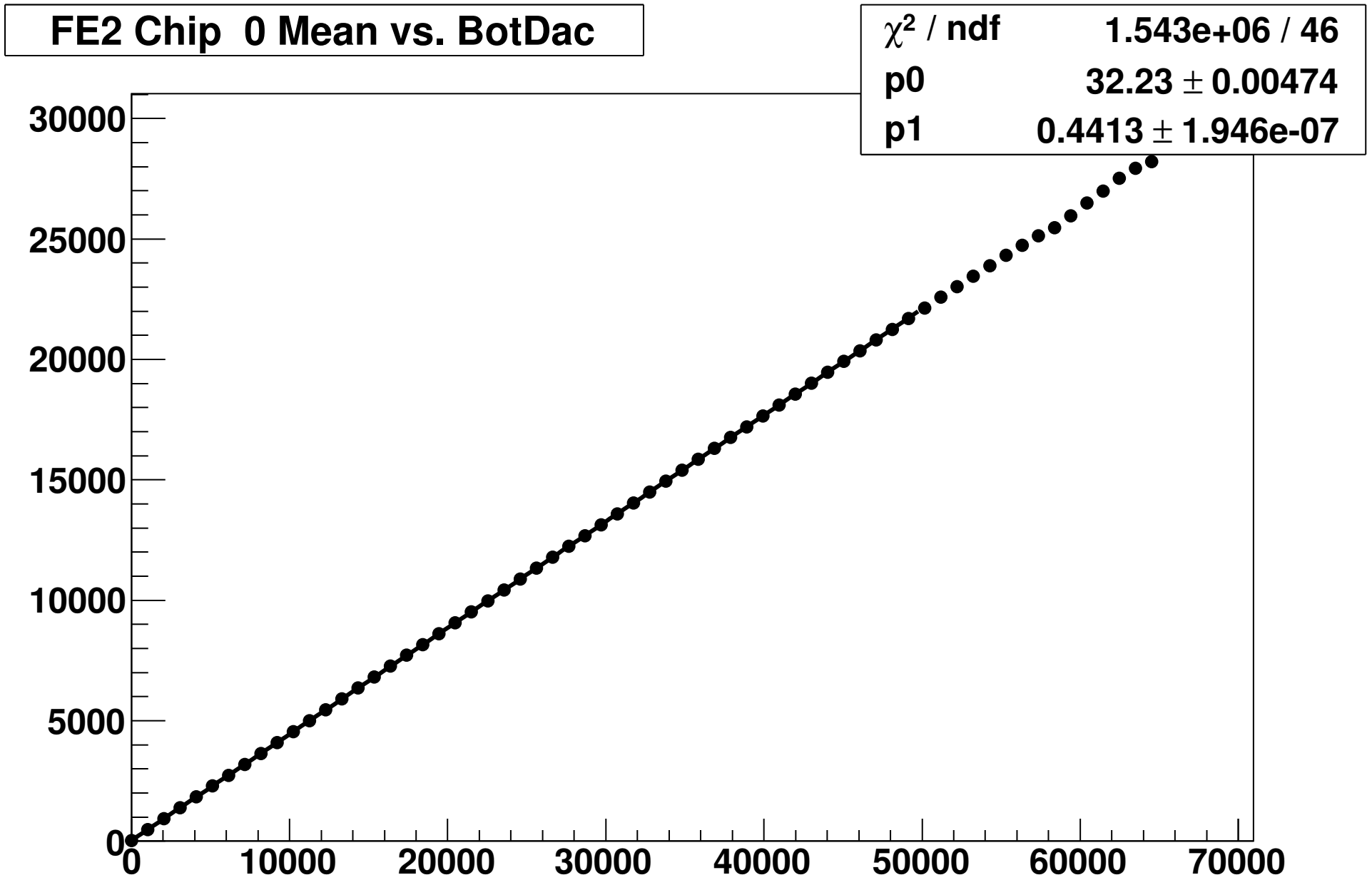
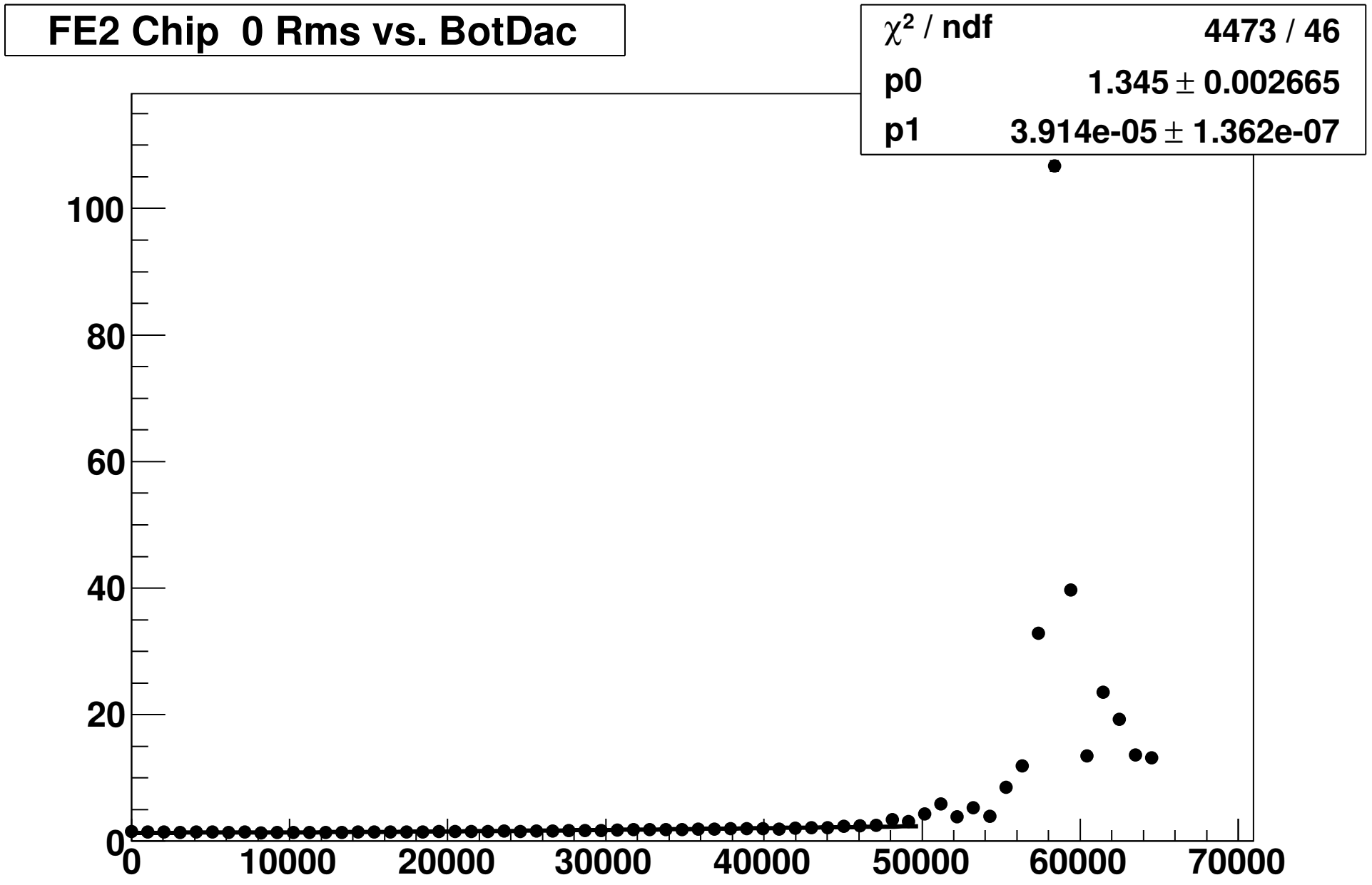
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 1672 / 46
p0 1.404 ± 0.002663
p1 3.481e-05 ± 1.438e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 1.543e+06 / 46
p0 32.23 ± 0.00474
p1 0.4413 ± 1.946e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 4473 / 46
p0 1.345 ± 0.002665
p1 3.914e-05 ± 1.362e-07
100
80
60
40
20
0
0
10000
20000
30000
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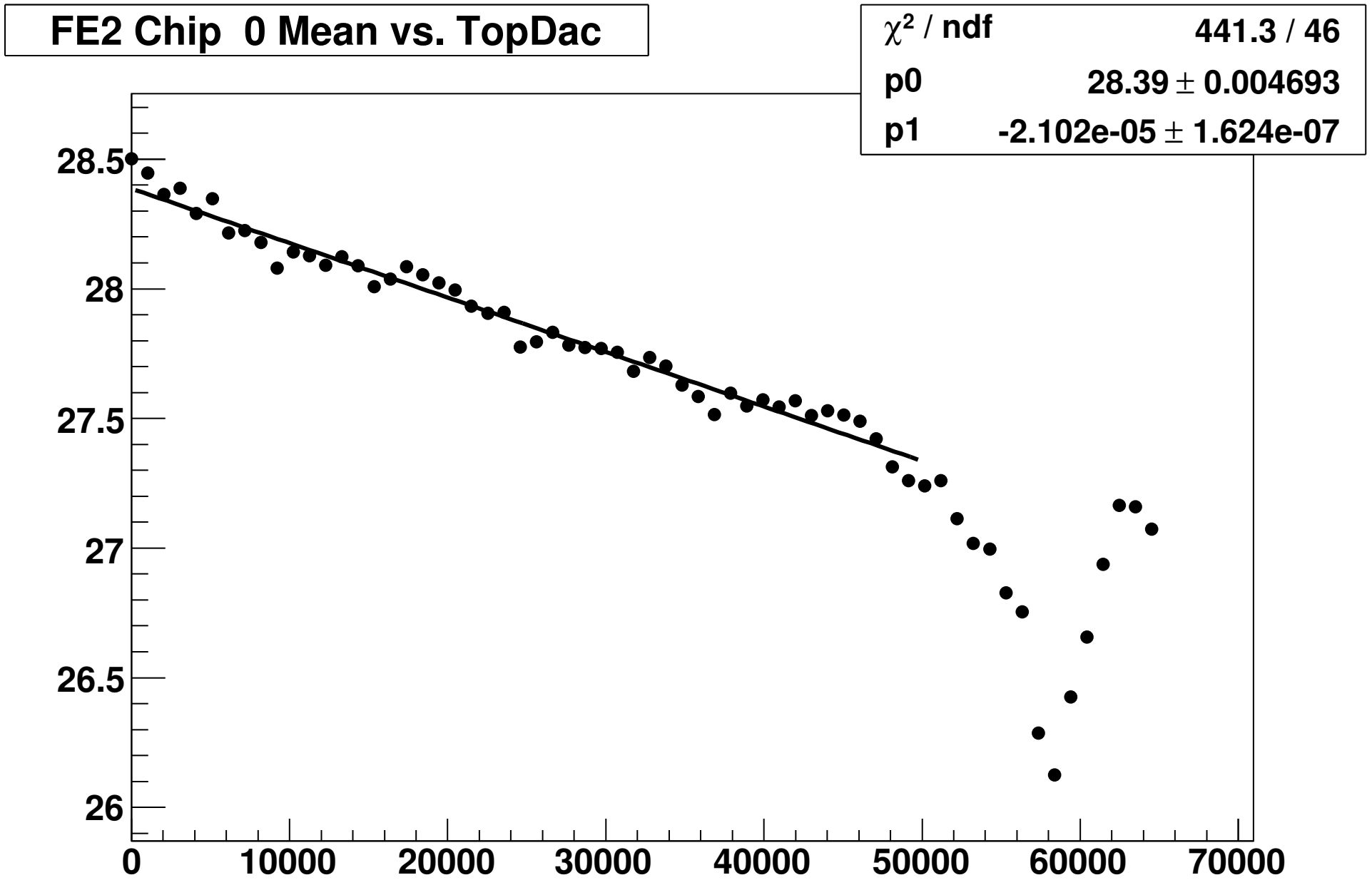
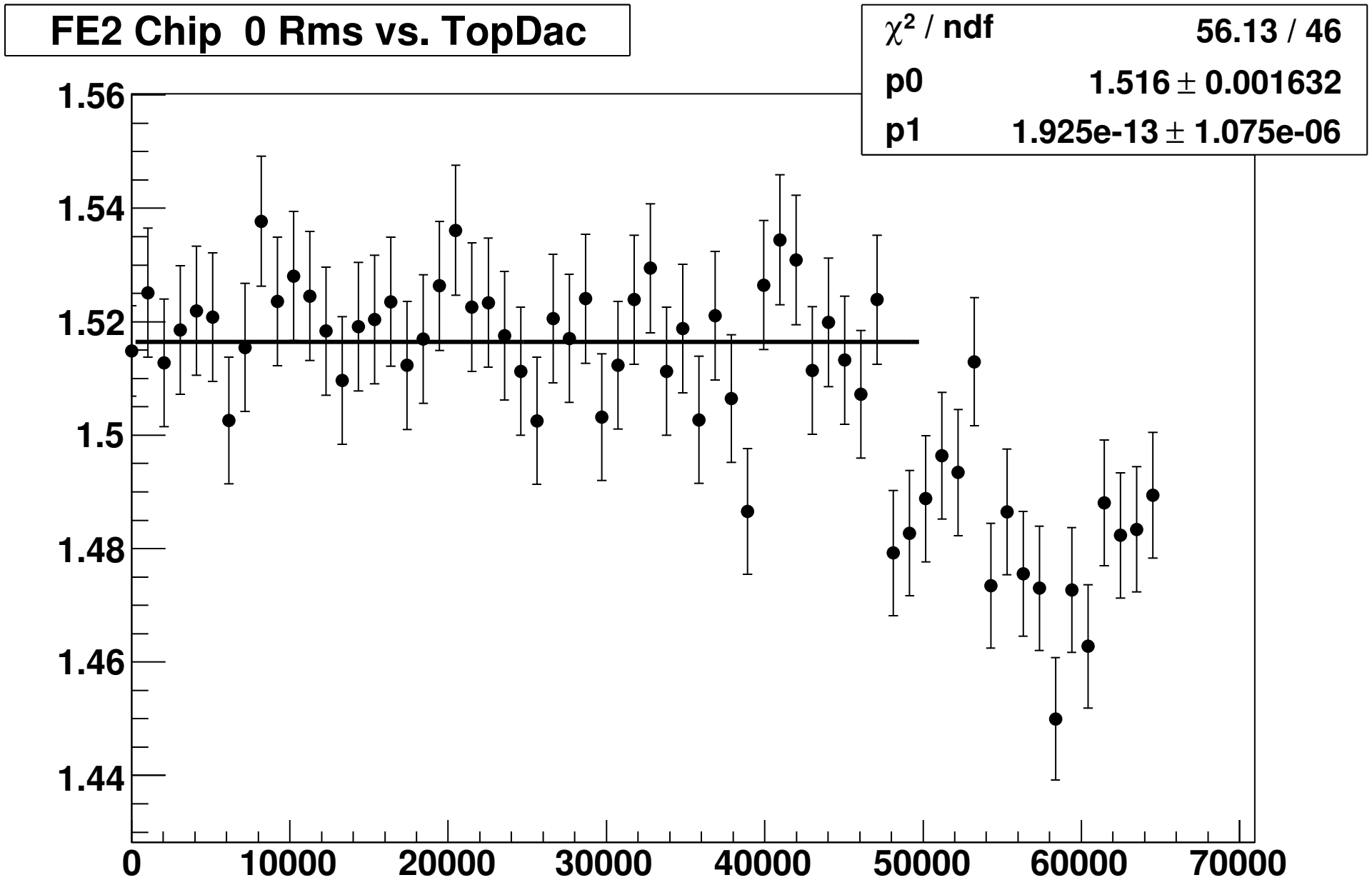
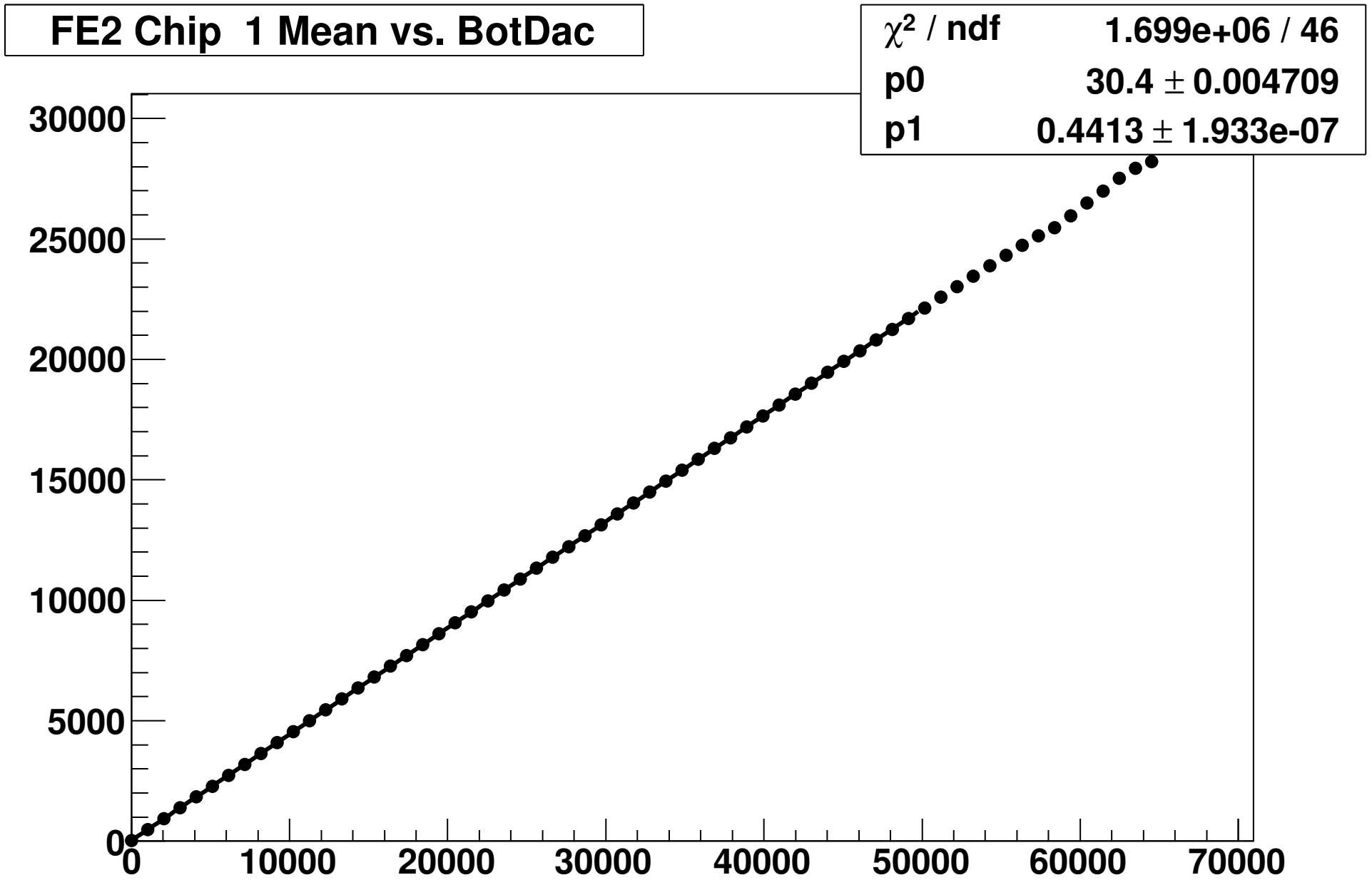
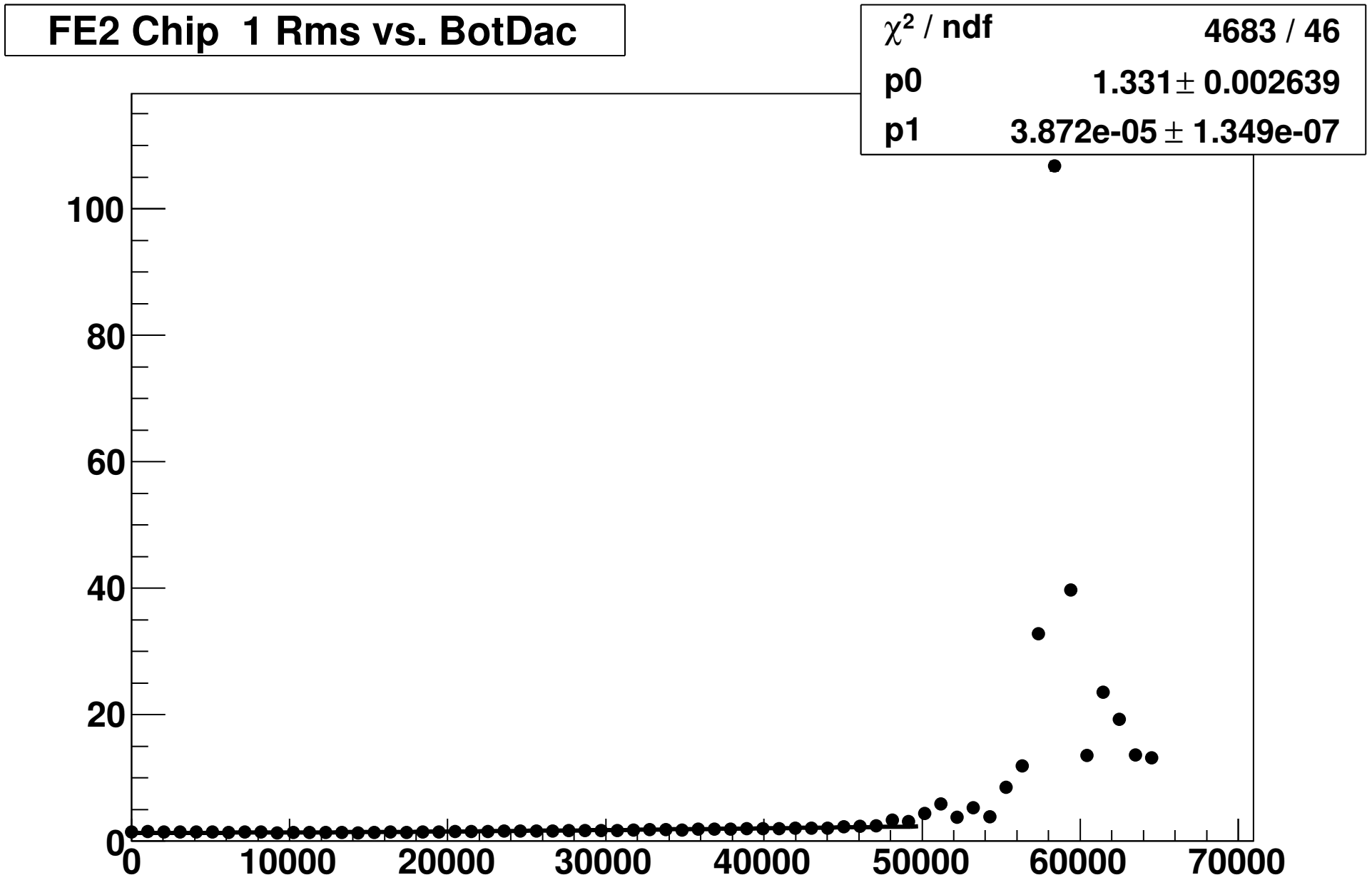
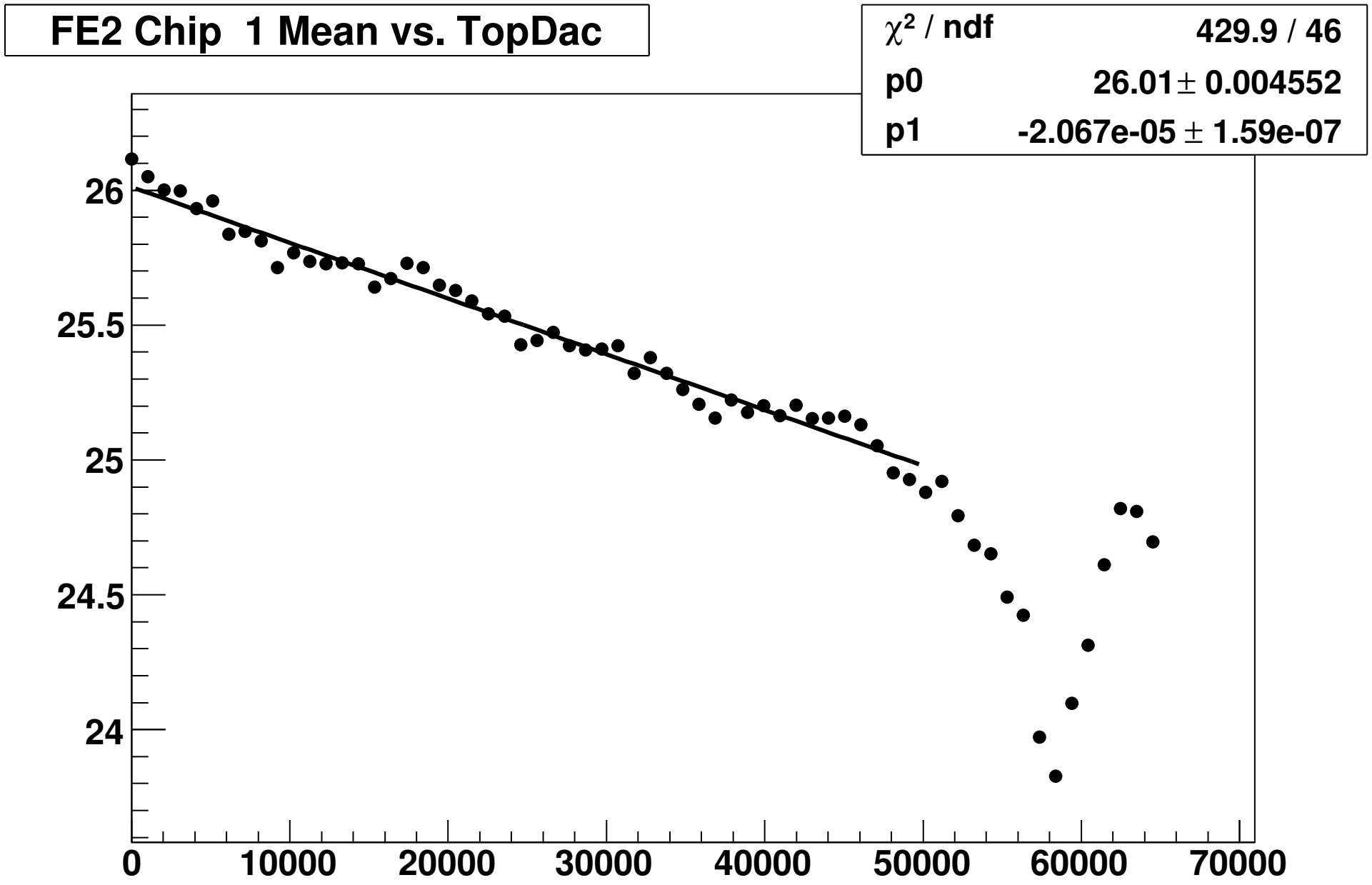
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 441.3 / 46
p0 28.39 ± 0.004693
p1 -2.102e-05 ± 1.624e-07
28.5
28
27.5
27
26.5
26
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 56.13 / 46
p0 1.516 ± 0.001632
p1 1.925e-13 ± 1.075e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.699e+06 / 46
p0 30.4 ± 0.004709
p1 0.4413 ± 1.933e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 4683 / 46
p0 1.331 ± 0.002639
p1 3.872e-05 ± 1.349e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 1 Mean vs. TopDac
χ² / ndf 429.9 / 46
p0 26.01 ± 0.004552
p1 -2.067e-05 ± 1.59e-07
26
25.5
25
24.5
24
0
10000
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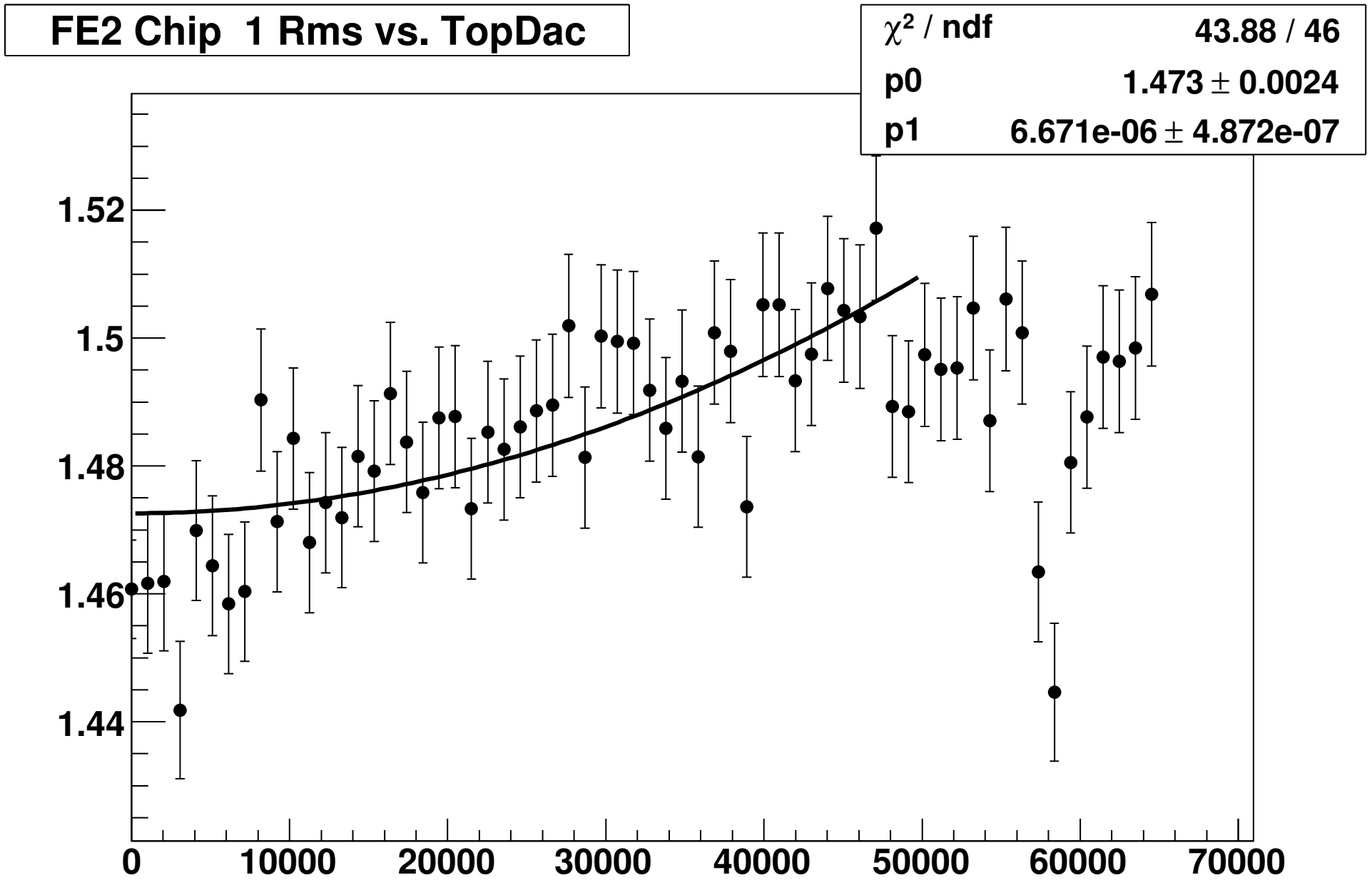
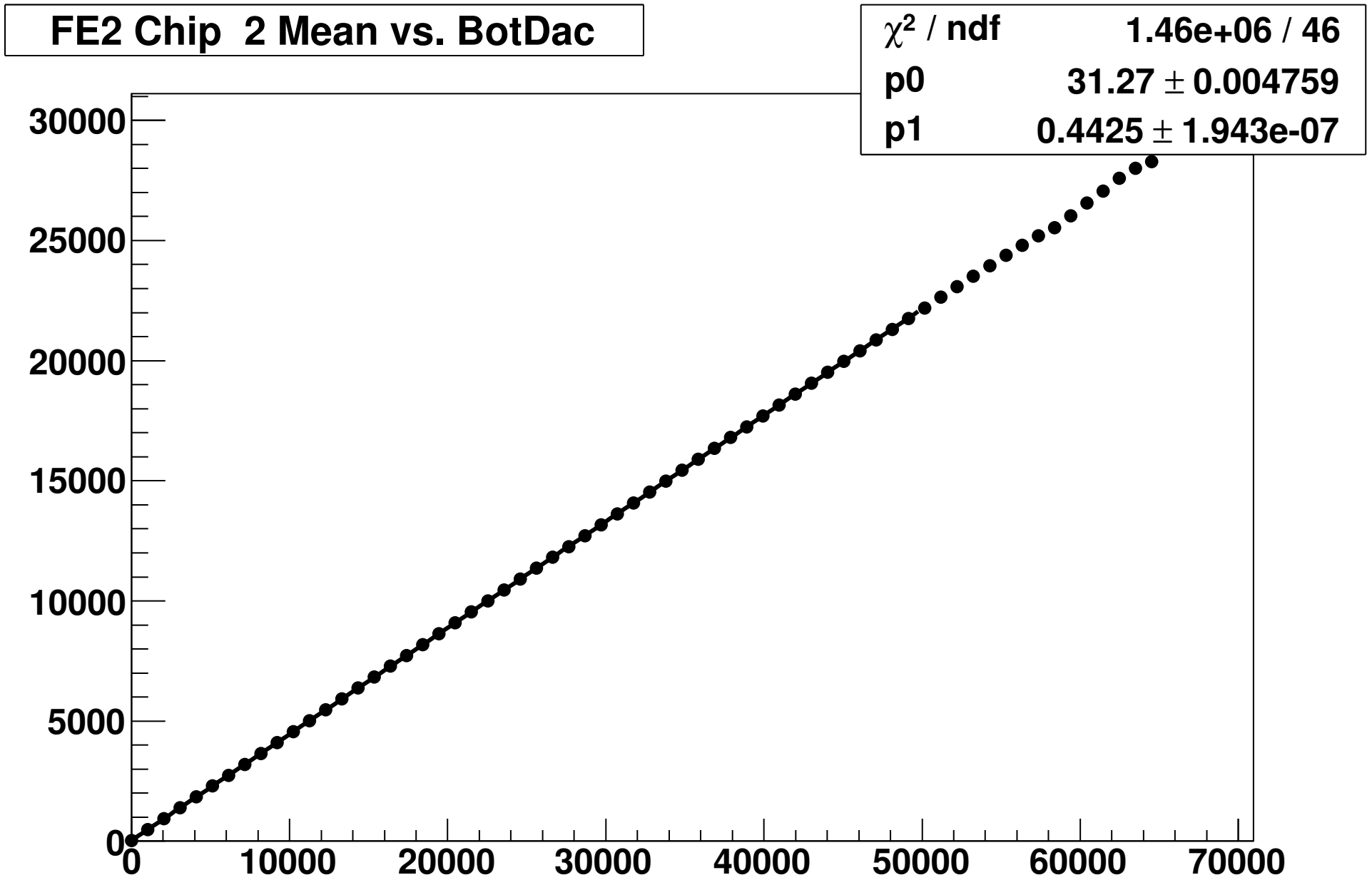
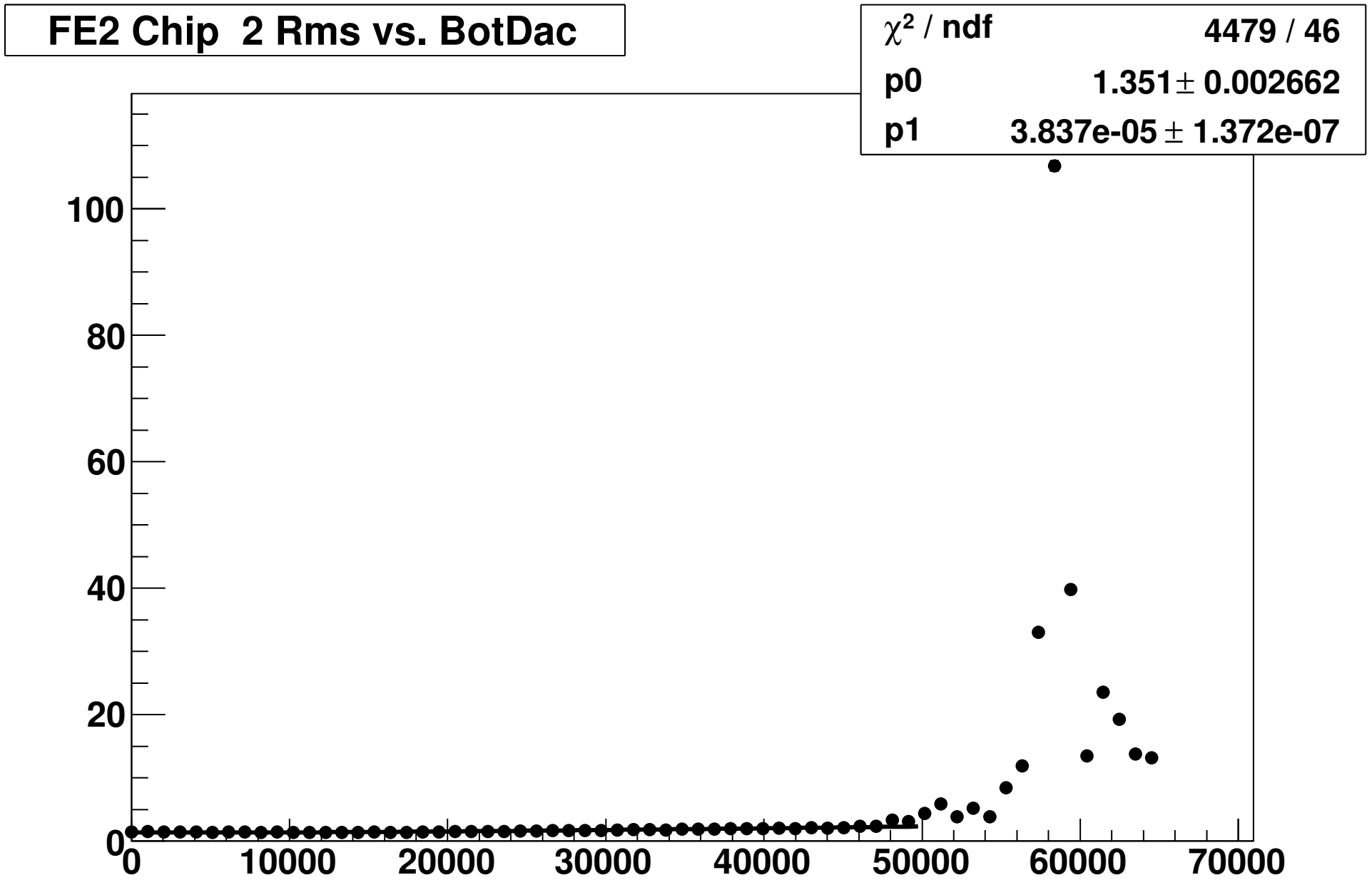
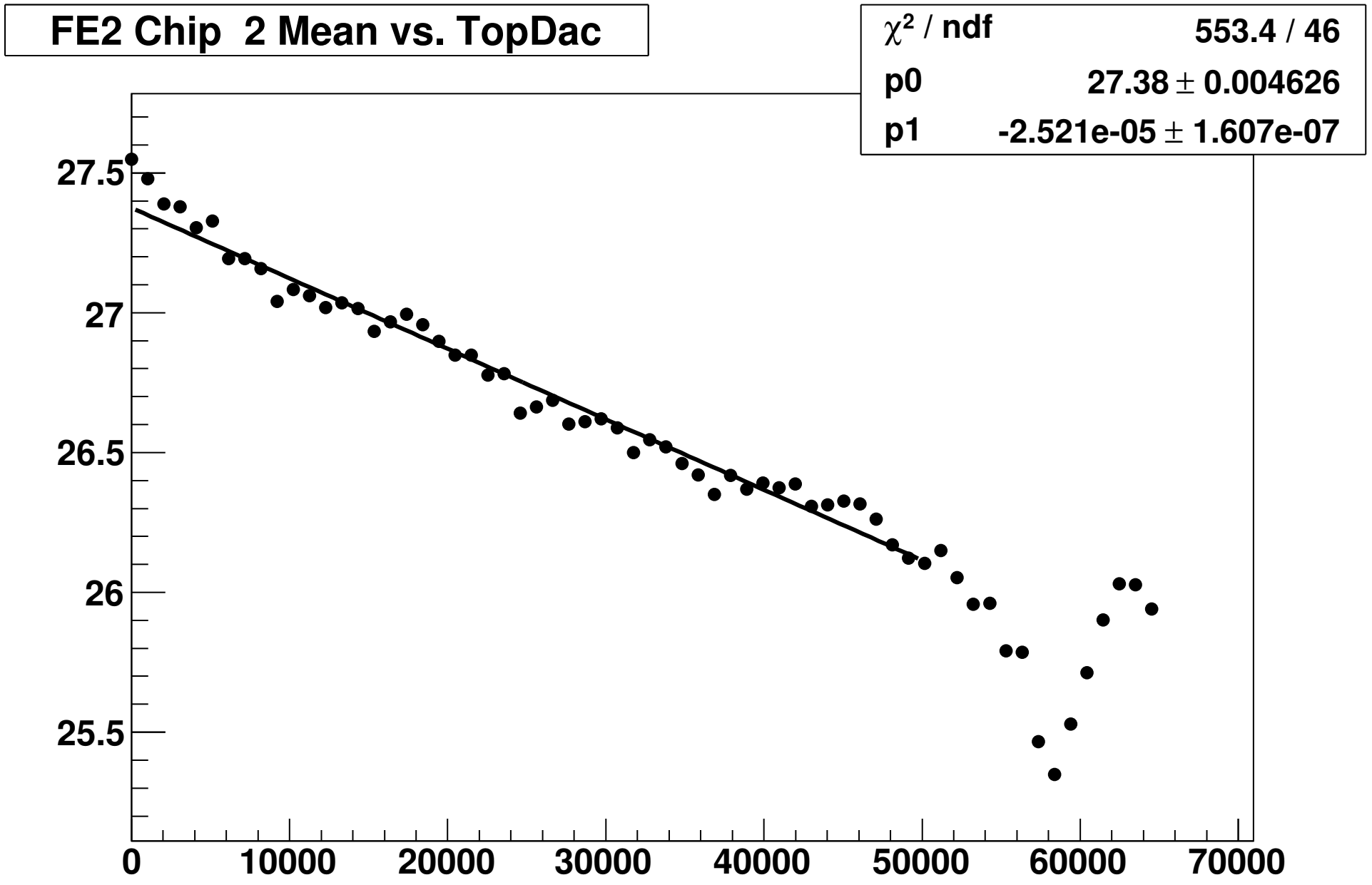
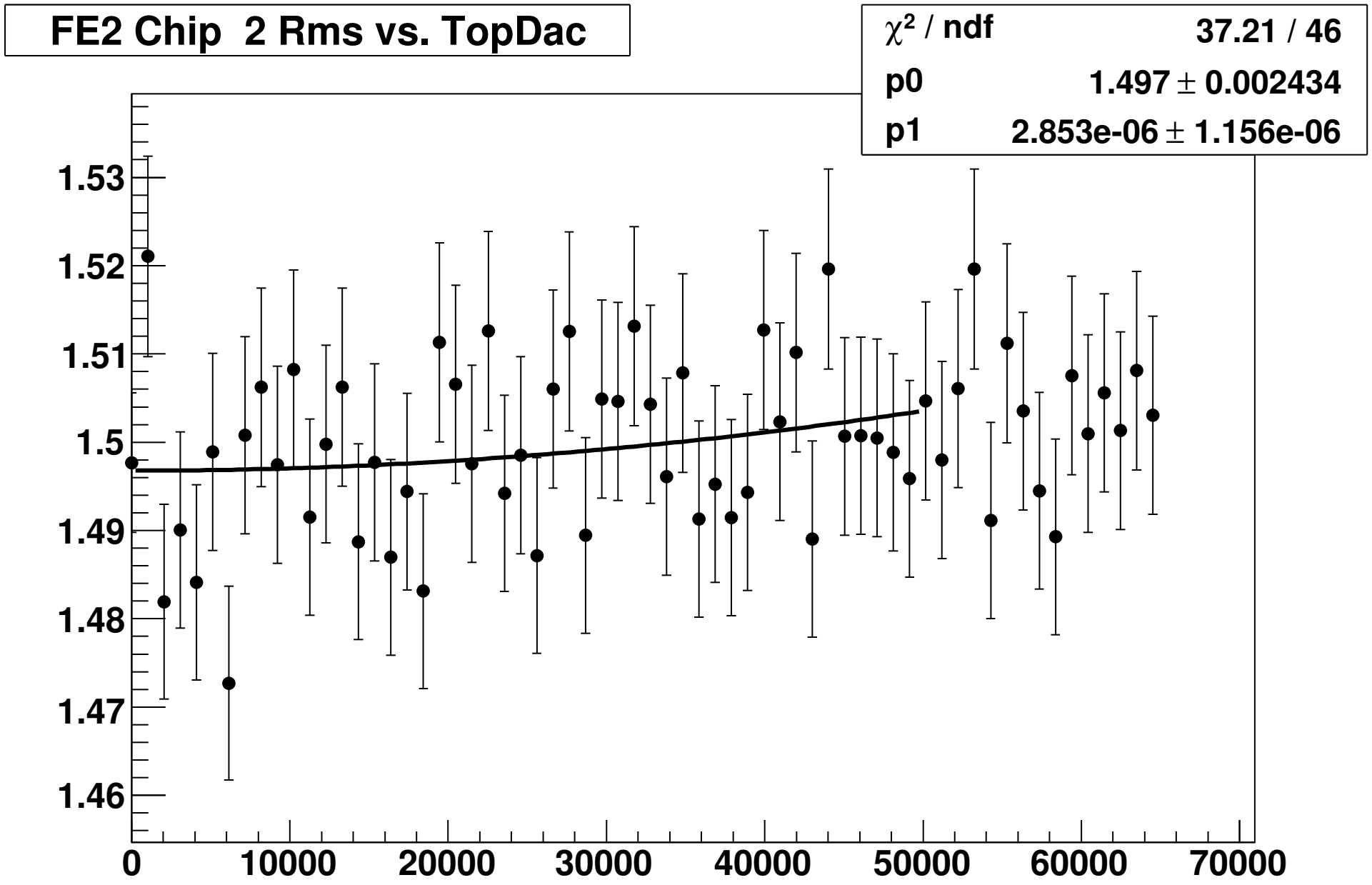
30000
40000
50000
60000
70000

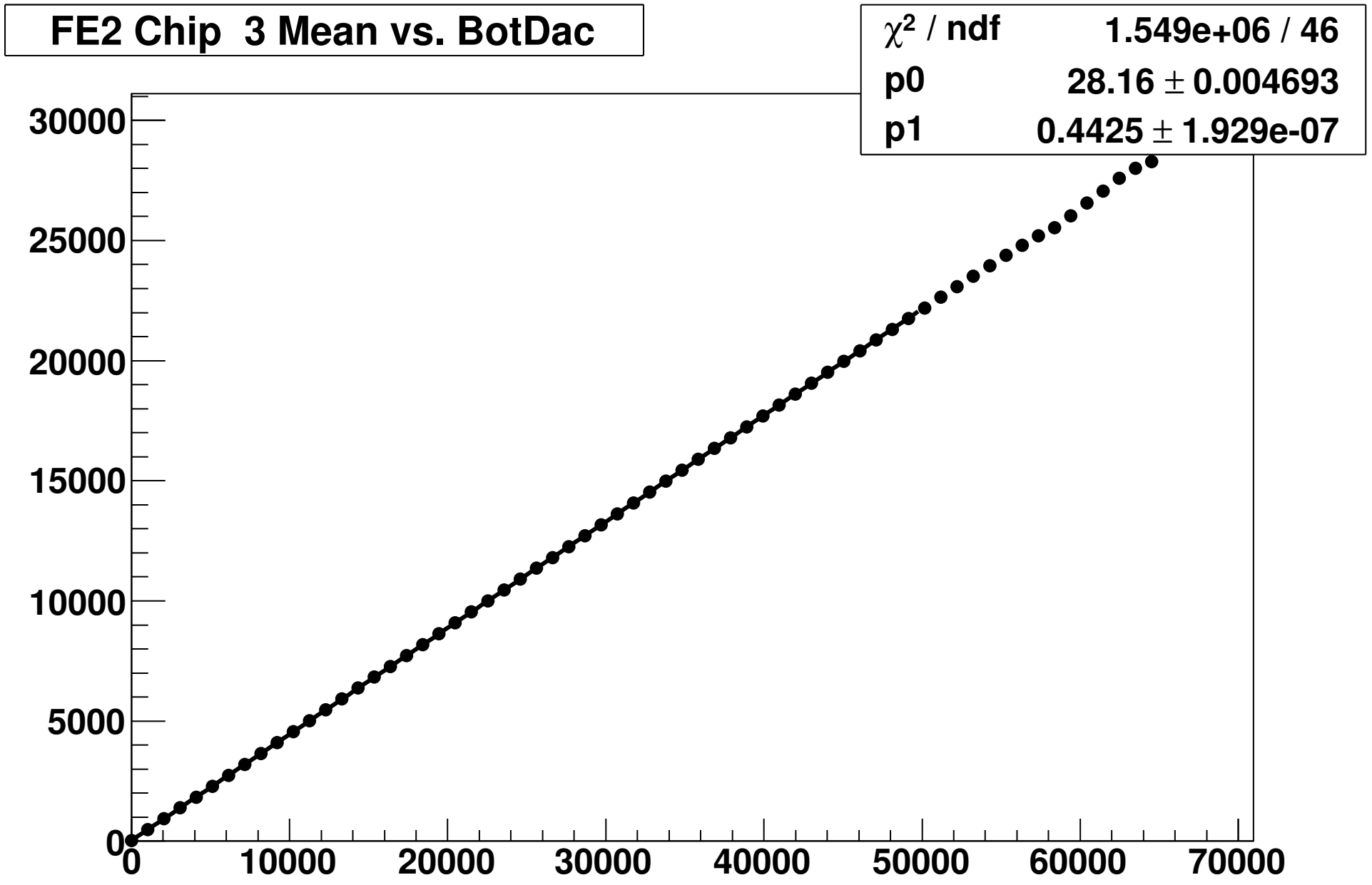

FE2 Chip 1 Rms vs. TopDac
χ² / ndf 43.88 / 46
p0 1.473 ± 0.0024
p1 6.671e-06 ± 4.872e-07
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

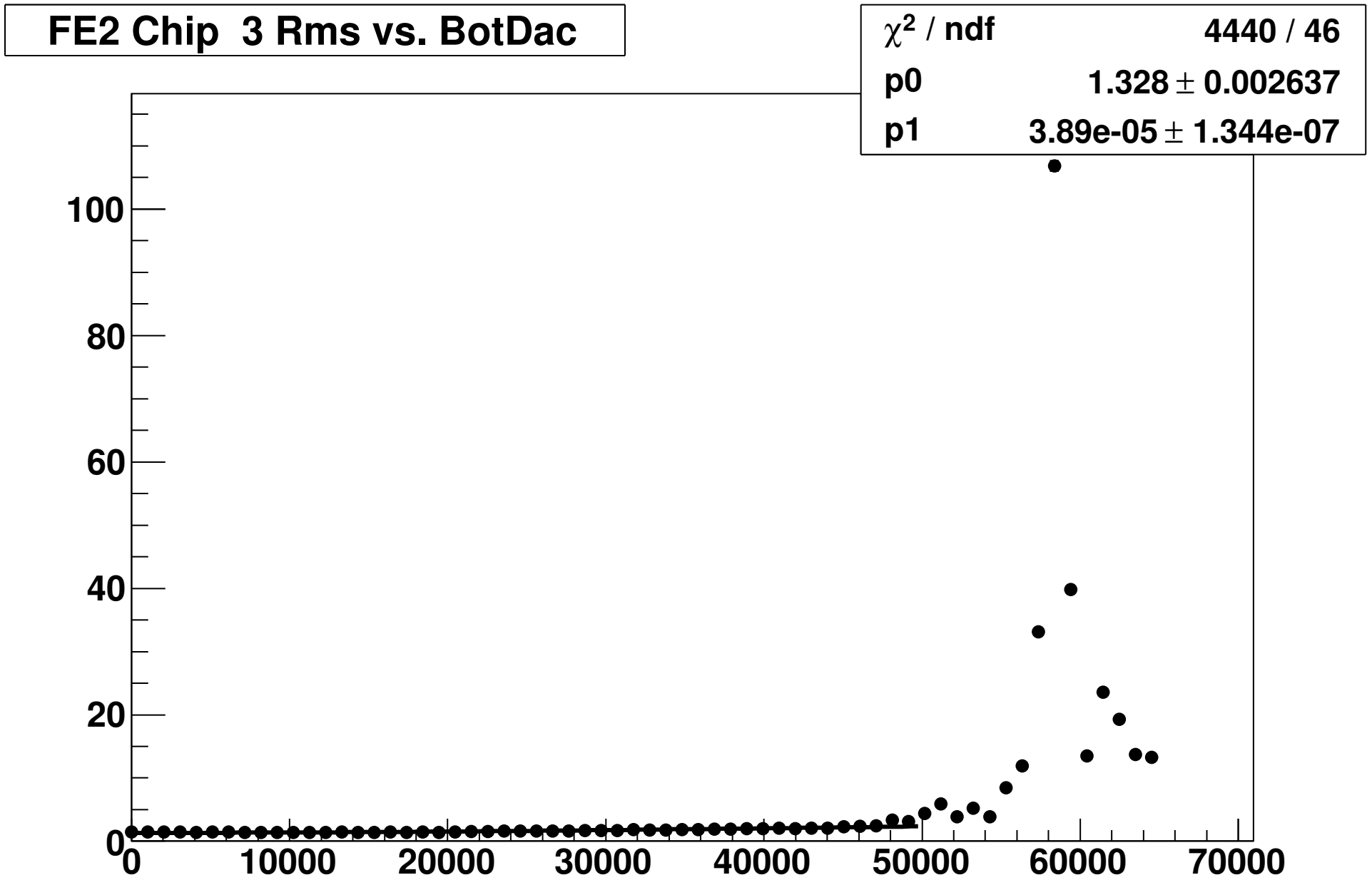

FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.46e+06 / 46
p0 31.27 ± 0.004759
p1 0.4425 ± 1.943e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

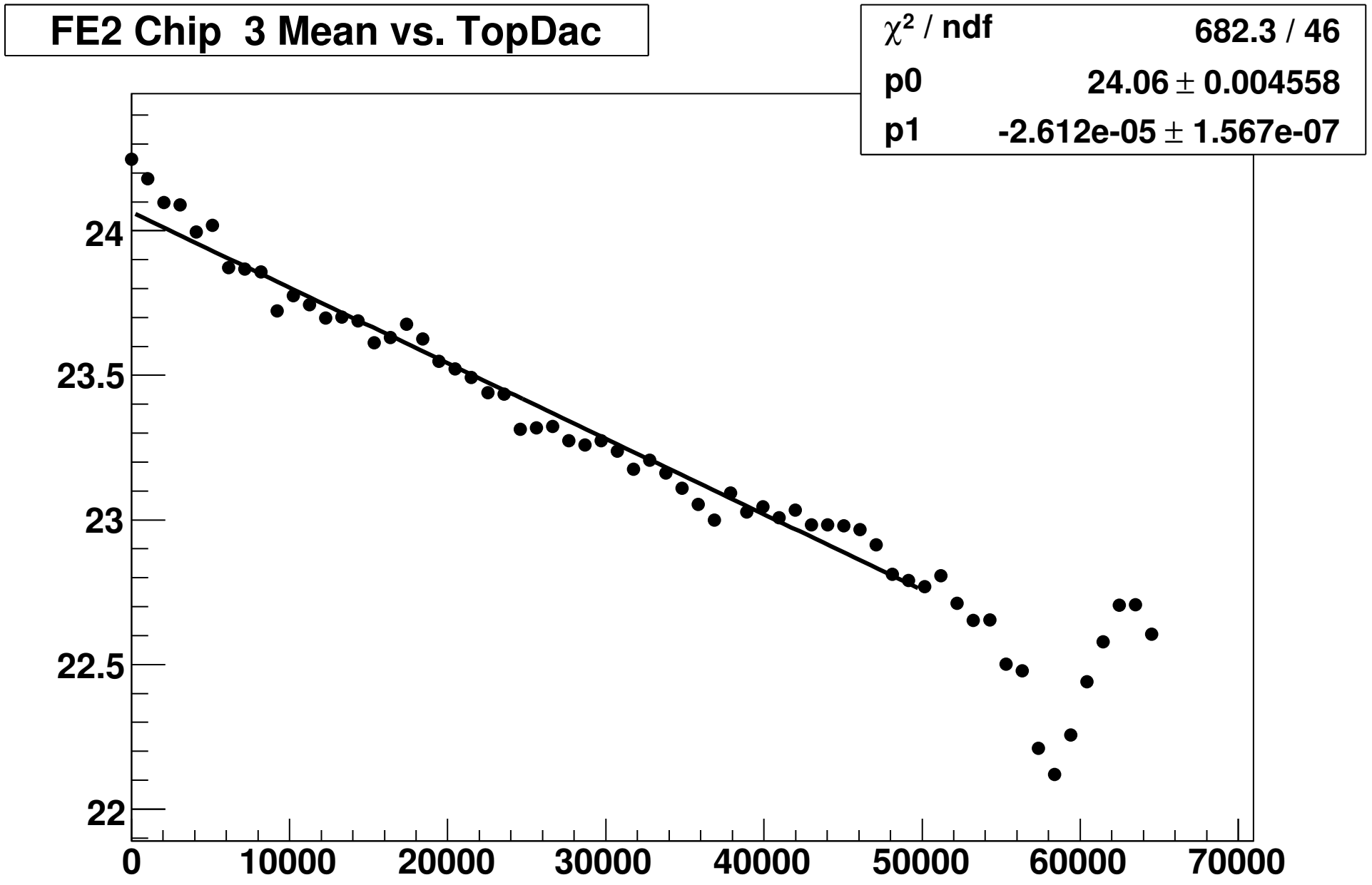

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 4479 / 46
p0 1.351 ± 0.002662
p1 3.837e-05 ± 1.372e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 553.4 / 46
p0 27.38 ± 0.004626
p1 -2.521e-05 ± 1.607e-07
27.5
27
26.5
26
25.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 37.21 / 46
p0 1.497 ± 0.002434
p1 2.853e-06 ± 1.156e-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


FE2 Chip 3 Mean vs. BotDac
χ² / ndf 1.549e+06 / 46
p0 28.16 ± 0.004693
p1 0.4425 ± 1.929e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 4440 / 46
p0 1.328 ± 0.002637
p1 3.89e-05 ± 1.344e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. TopDac
χ² / ndf 682.3 / 46
p0 24.06 ± 0.004558
p1 -2.612e-05 ± 1.567e-07
24
23.5
23
22.5
22
0
10000
20000
30000
40000
50000
60000
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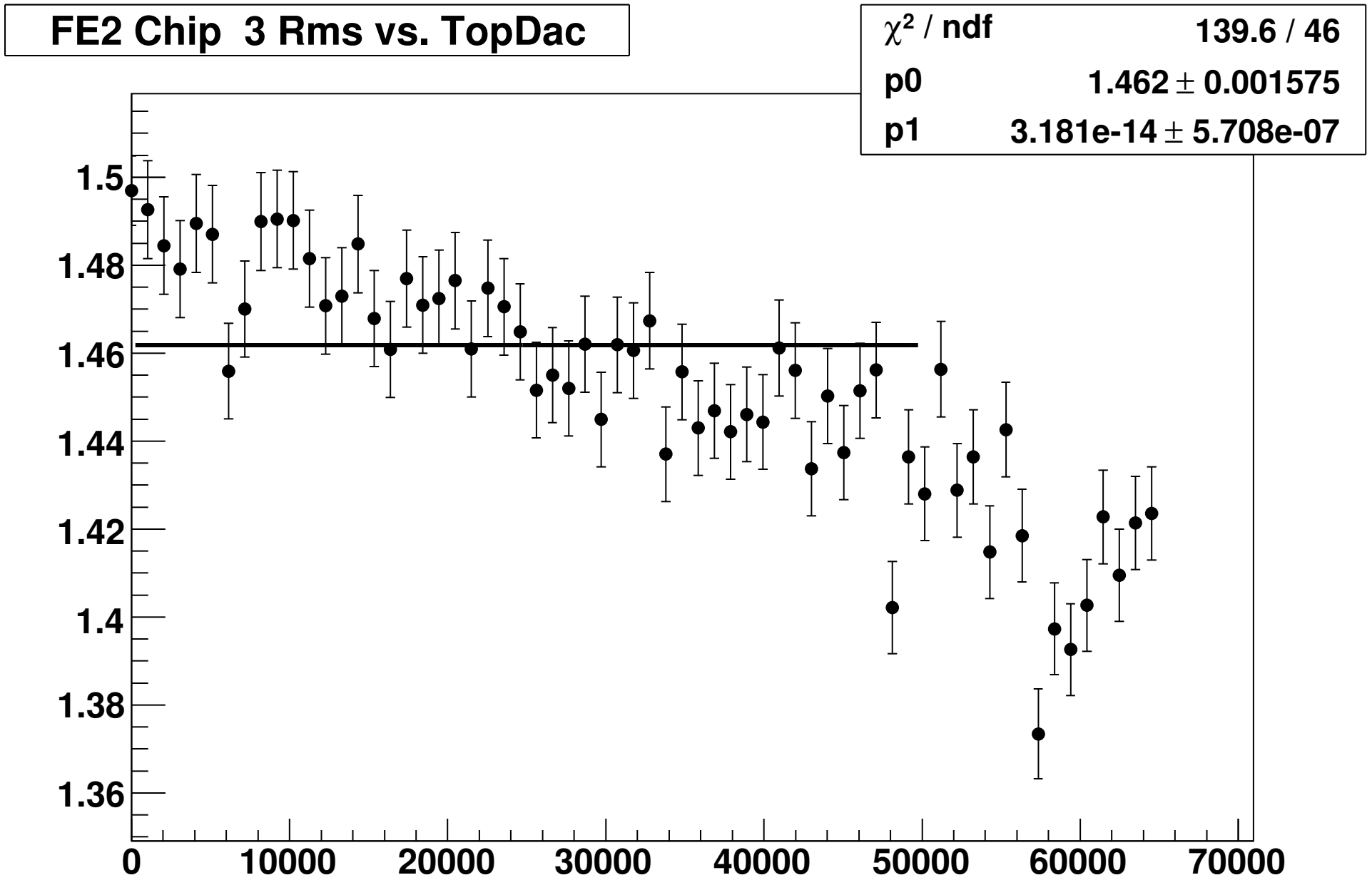
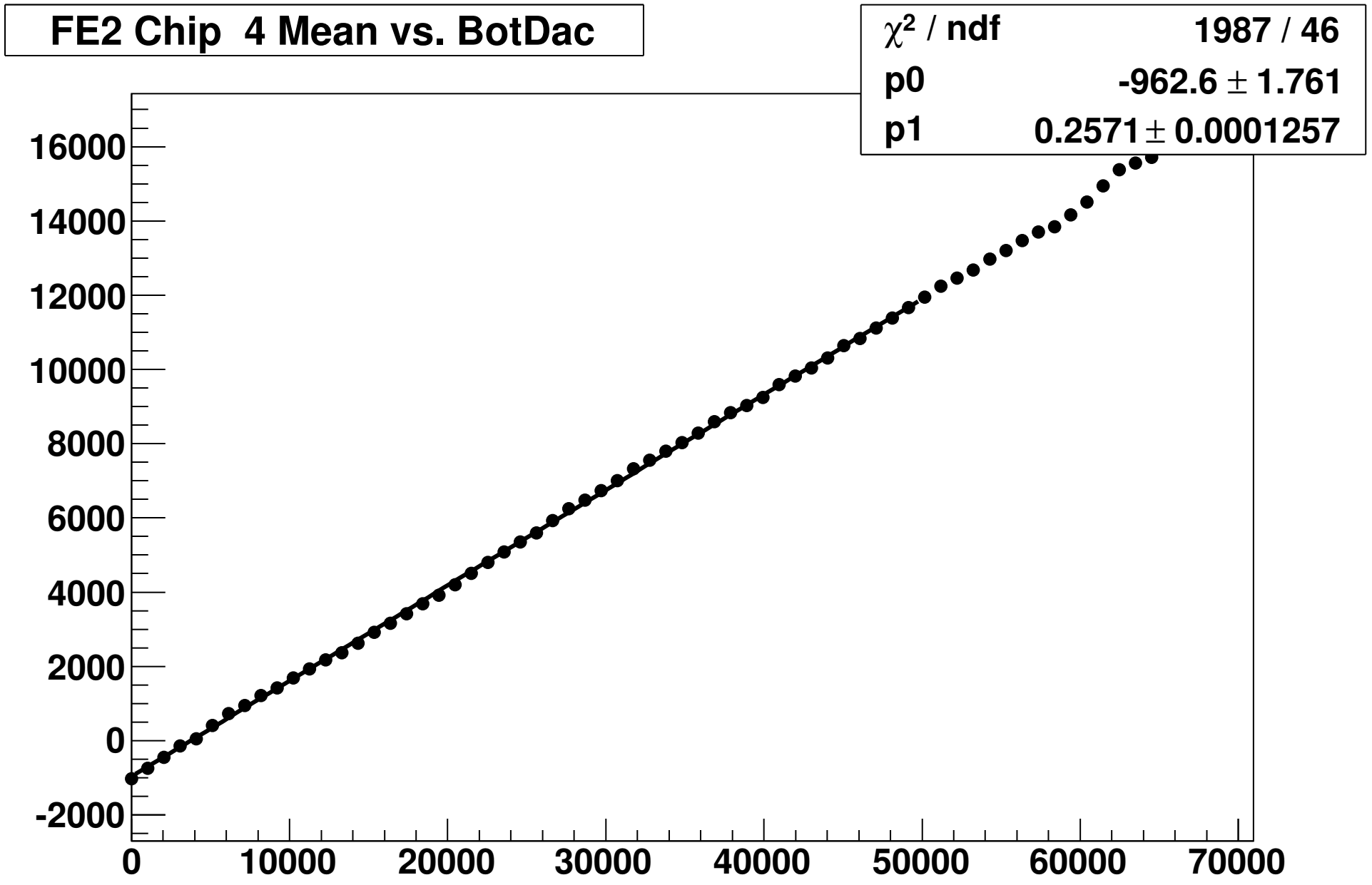
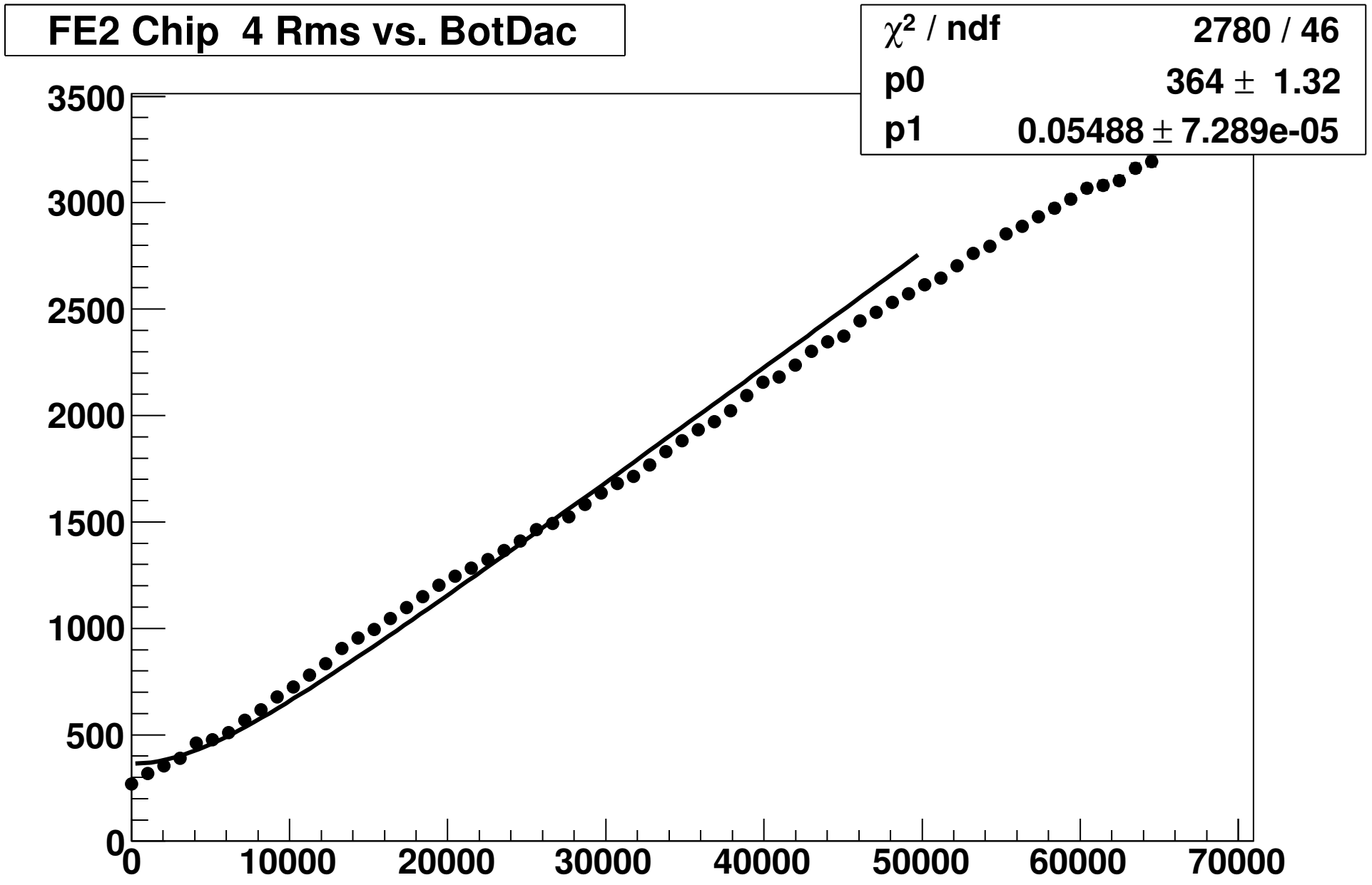
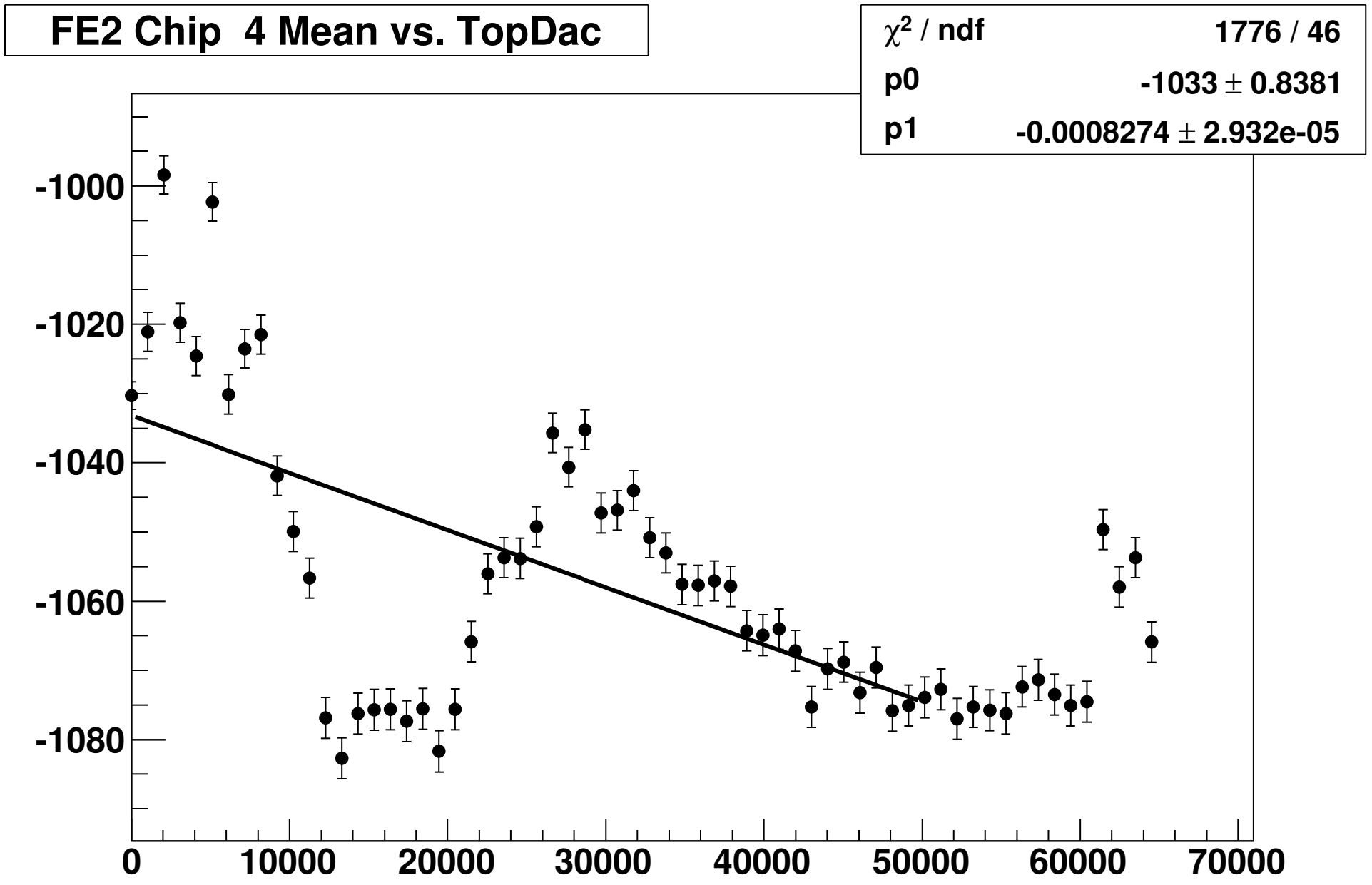
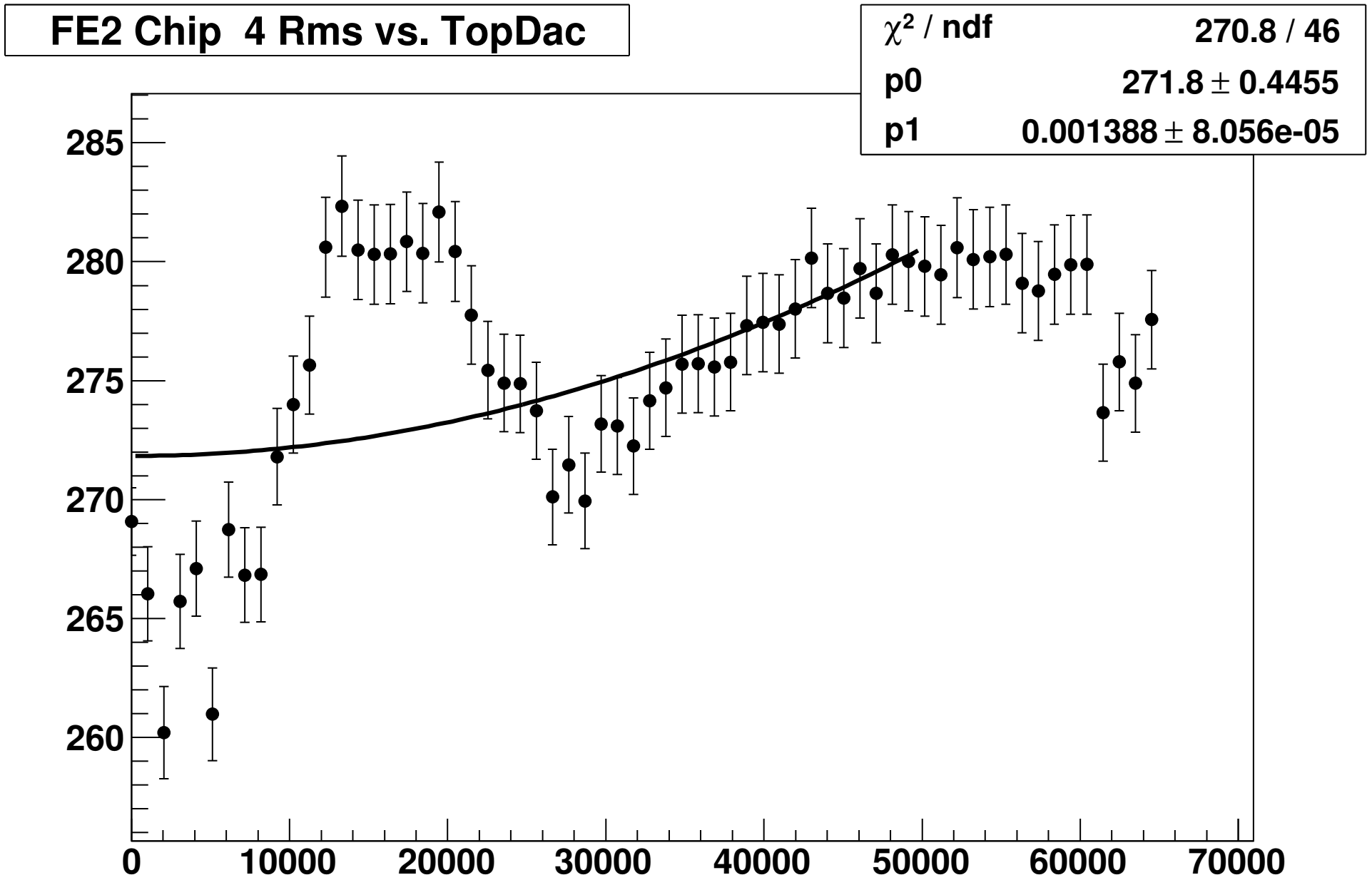
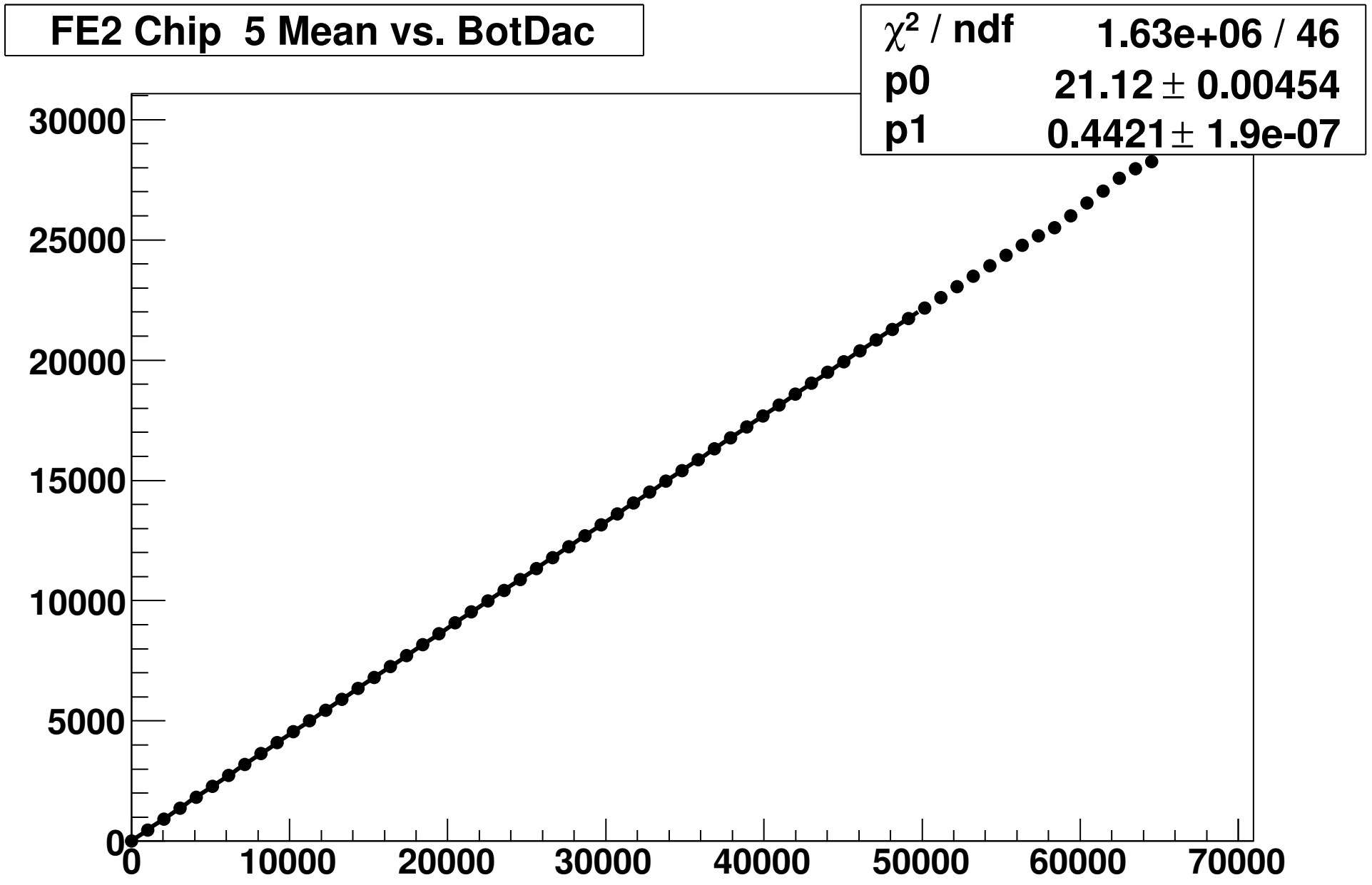

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 139.6 / 46
p0 1.462 ± 0.001575
p1 3.181e-14 ± 5.708e-07
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
0
10000
20000
30000
40000
50000
60000
70000

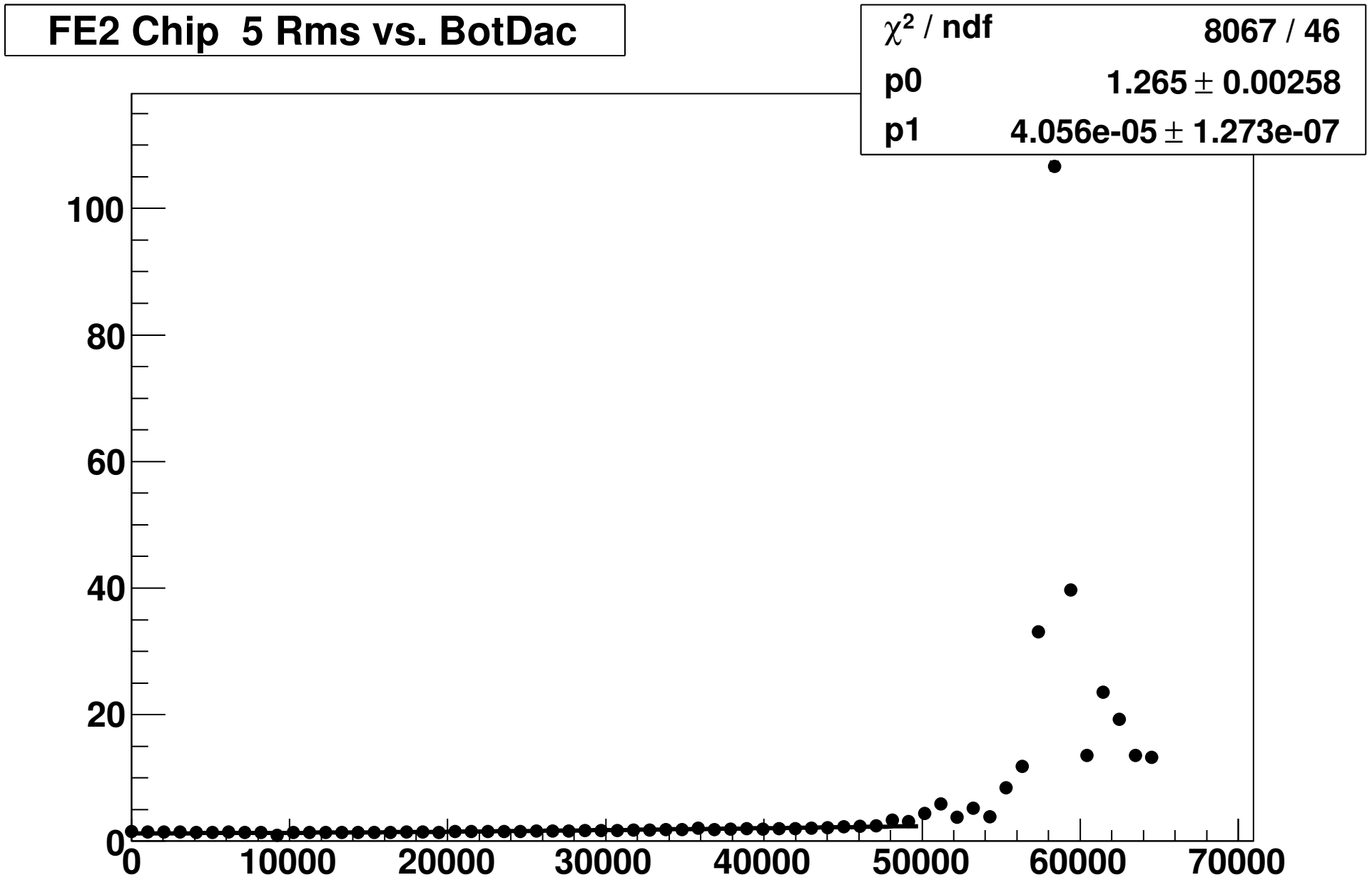

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 1987 / 46
p0 -962.6 ± 1.761
p1 0.2571 ± 0.0001257
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

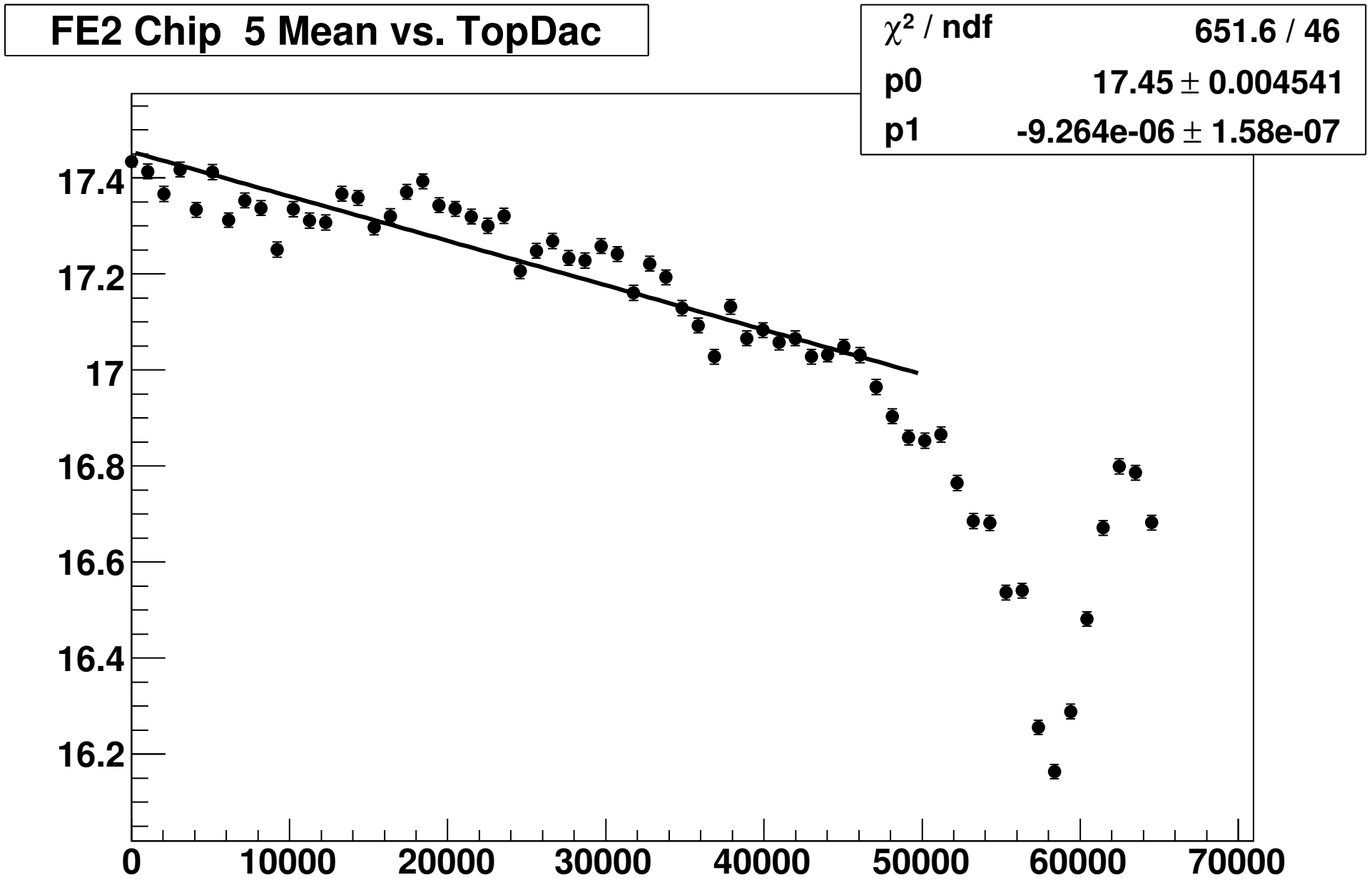

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 2780 / 46
p0 364 ± 1.32
p1 0.05488 ± 7.289e-05
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

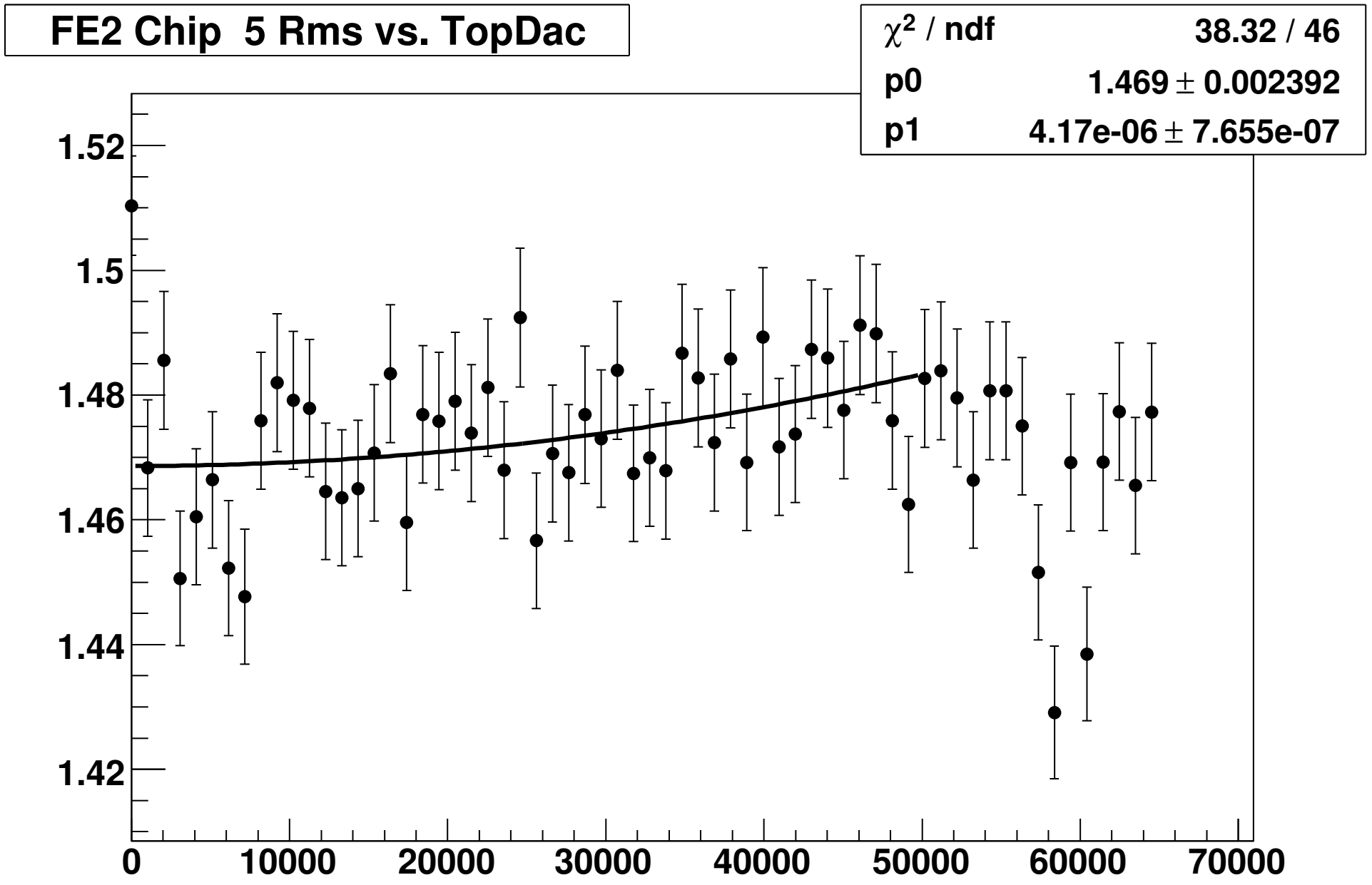

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 1776 / 46
p0 -1033 ± 0.8381
p1 -0.0008274 ± 2.932e-05
-1000
-1020
-1040
-1060
-1080
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 270.8 / 46
p0 271.8 ± 0.4455
p1 0.001388 ± 8.056e-05
285
280
275
270
265
260
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 1.63e+06 / 46
p0 21.12 ± 0.00454
p1 0.4421 ± 1.9e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 8067 / 46
p0 1.265 ± 0.00258
p1 4.056e-05 ± 1.273e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 651.6 / 46
p0 17.45 ± 0.004541
p1 -9.264e-06 ± 1.58e-07
17.4
17.2
17
16.8
16.6
16.4
16.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 38.32 / 46
p0 1.469 ± 0.002392
p1 4.17e-06 ± 7.655e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
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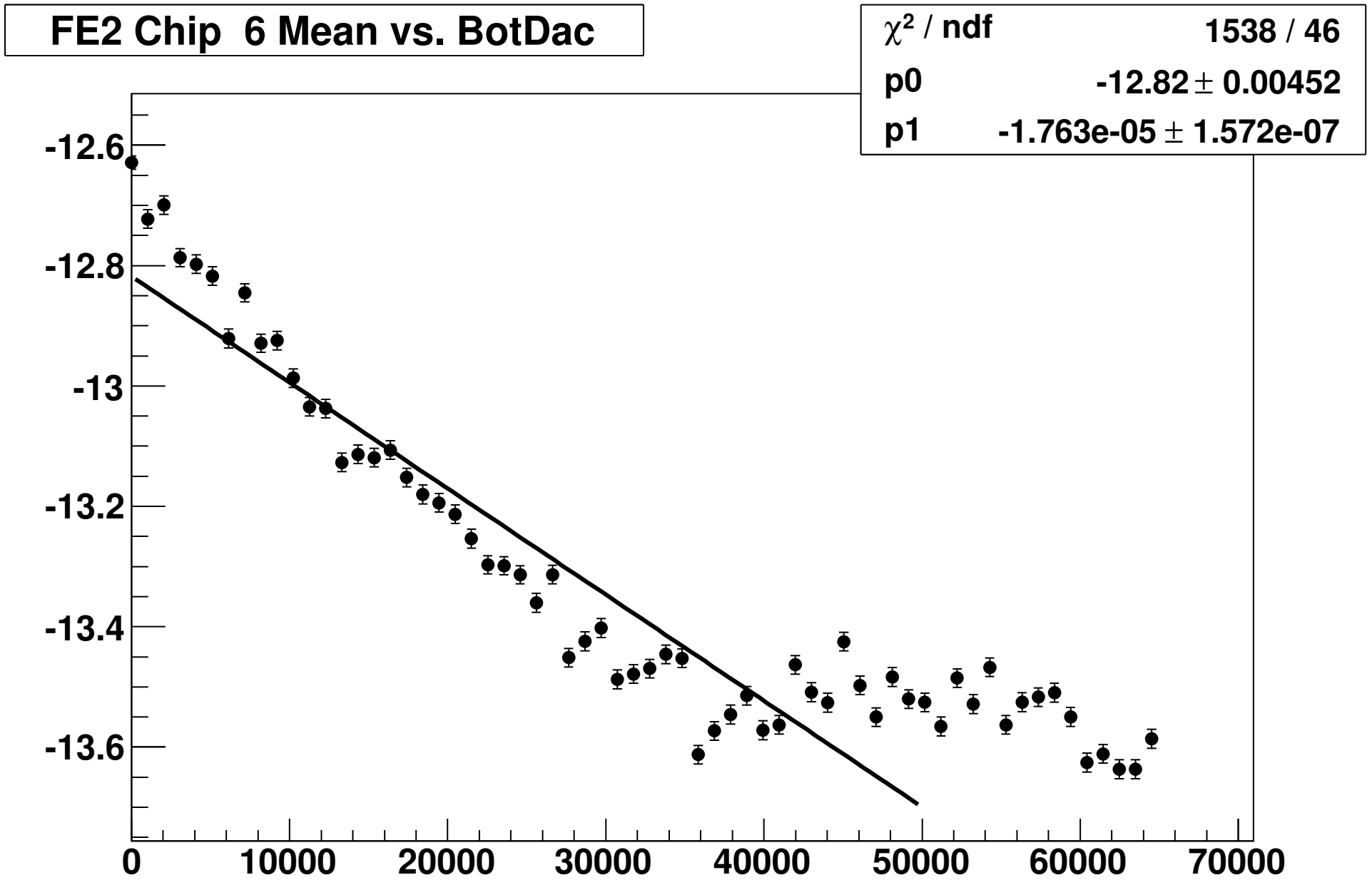
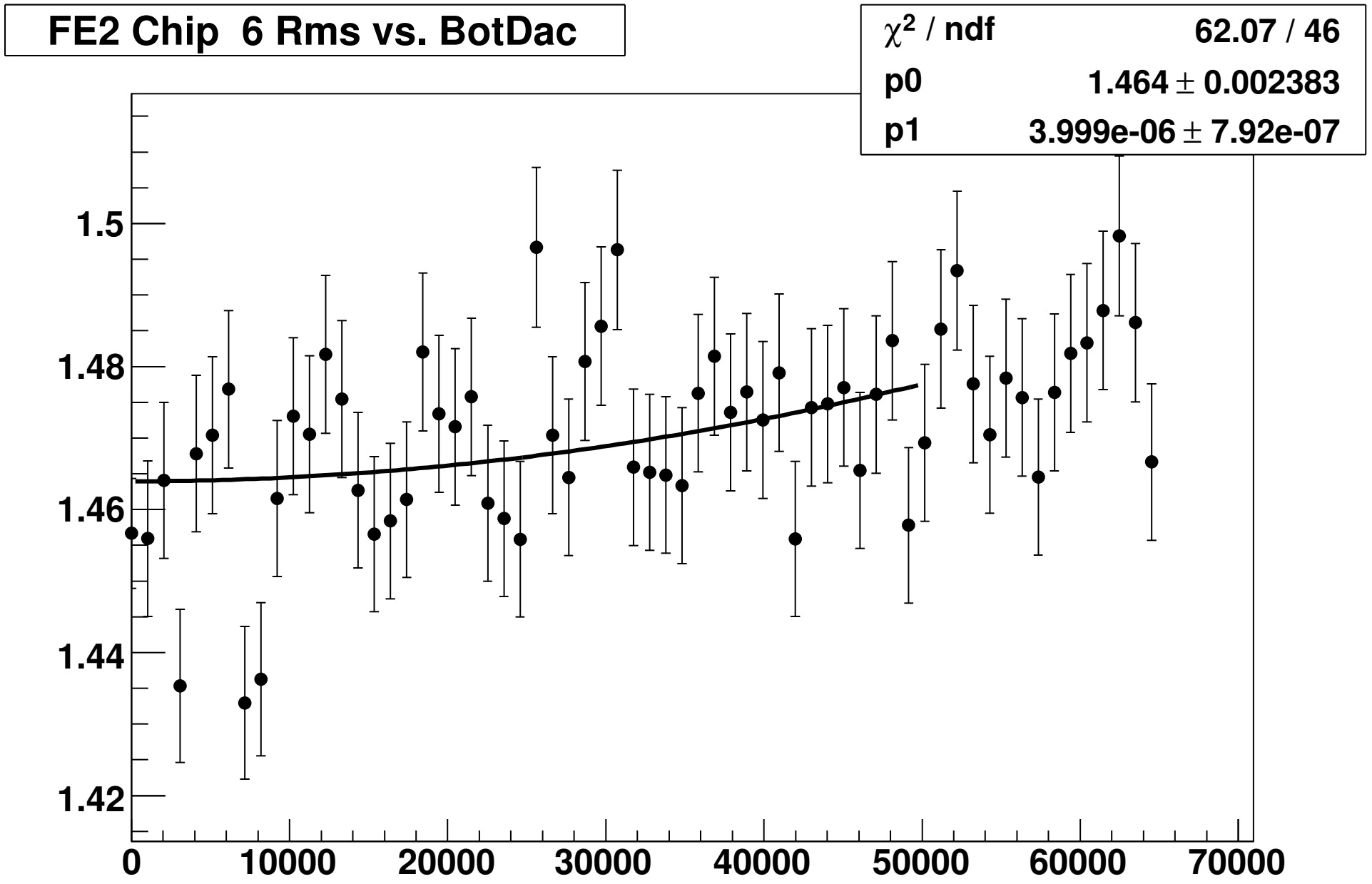

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 1538 / 46
p0 -12.82 ± 0.00452
p1 -1.763e-05 ± 1.572e-07
-12.6
-12.8
-13
-13.2
-13.4
-13.6
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 62.07 / 46
p0 1.464 ± 0.002383
p1 3.999e-06 ± 7.92e-07
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
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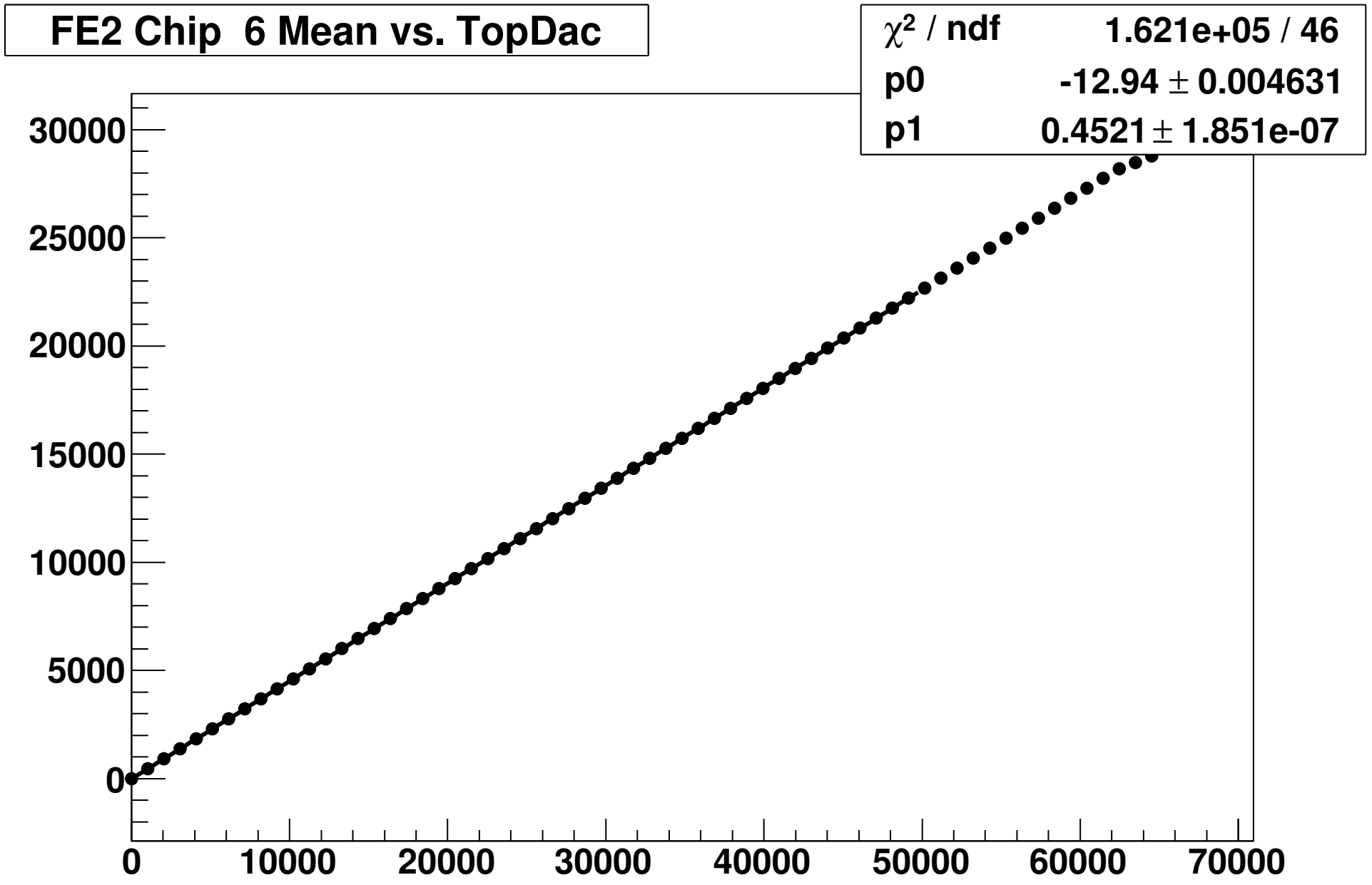
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.621e+05 / 46
p0 -12.94 ± 0.004631
p1 0.4521 ± 1.851e-07
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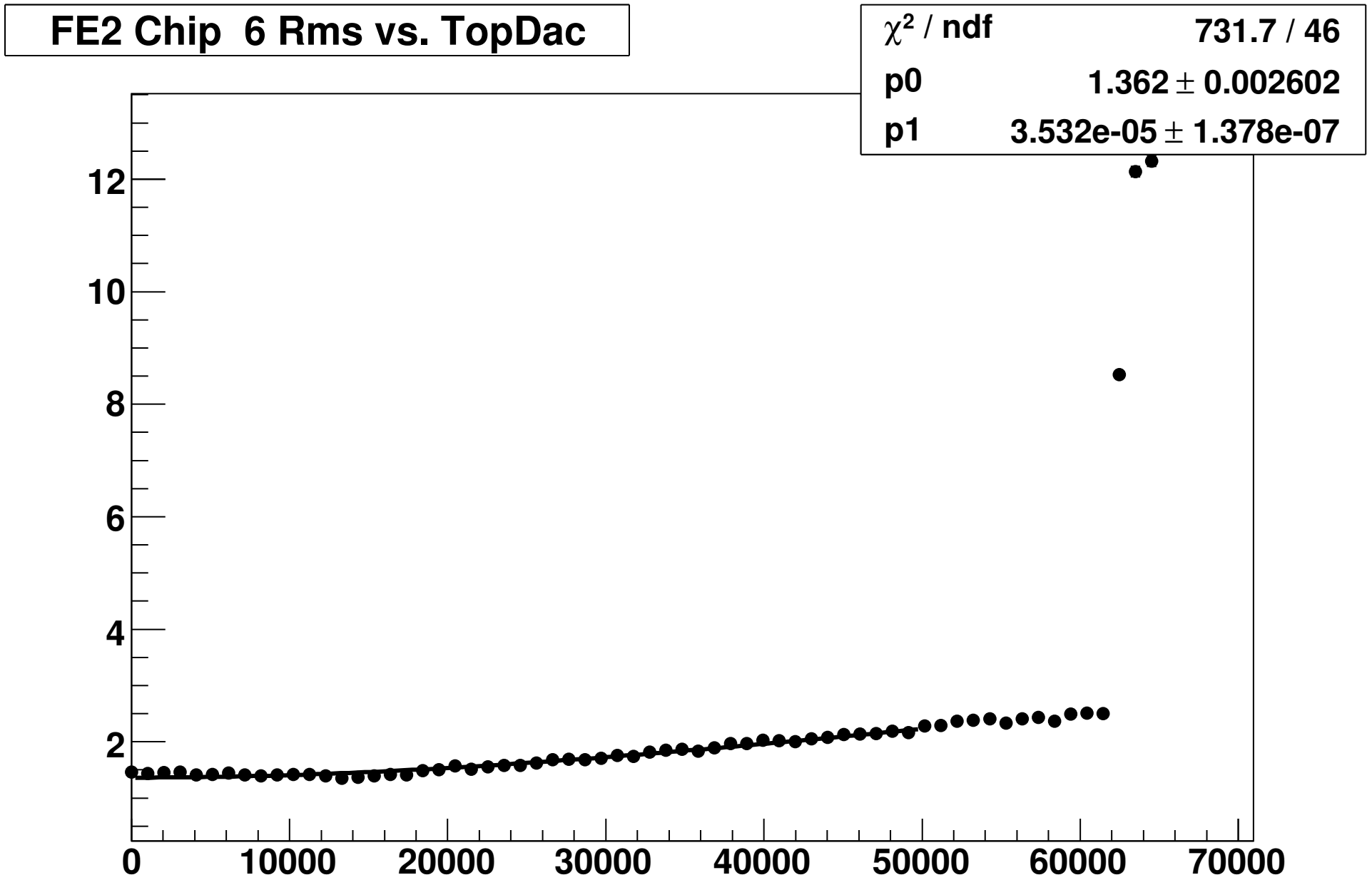
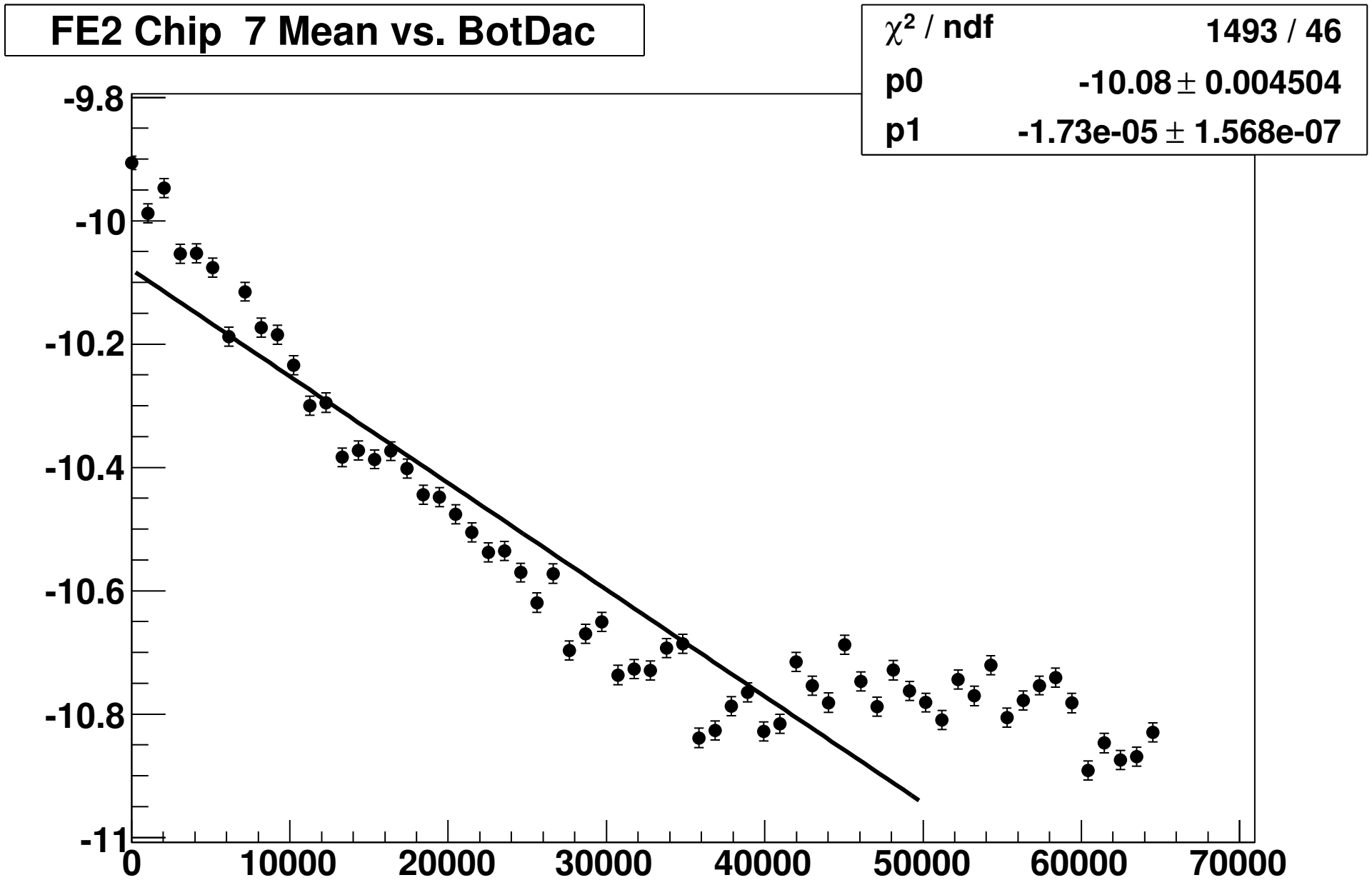
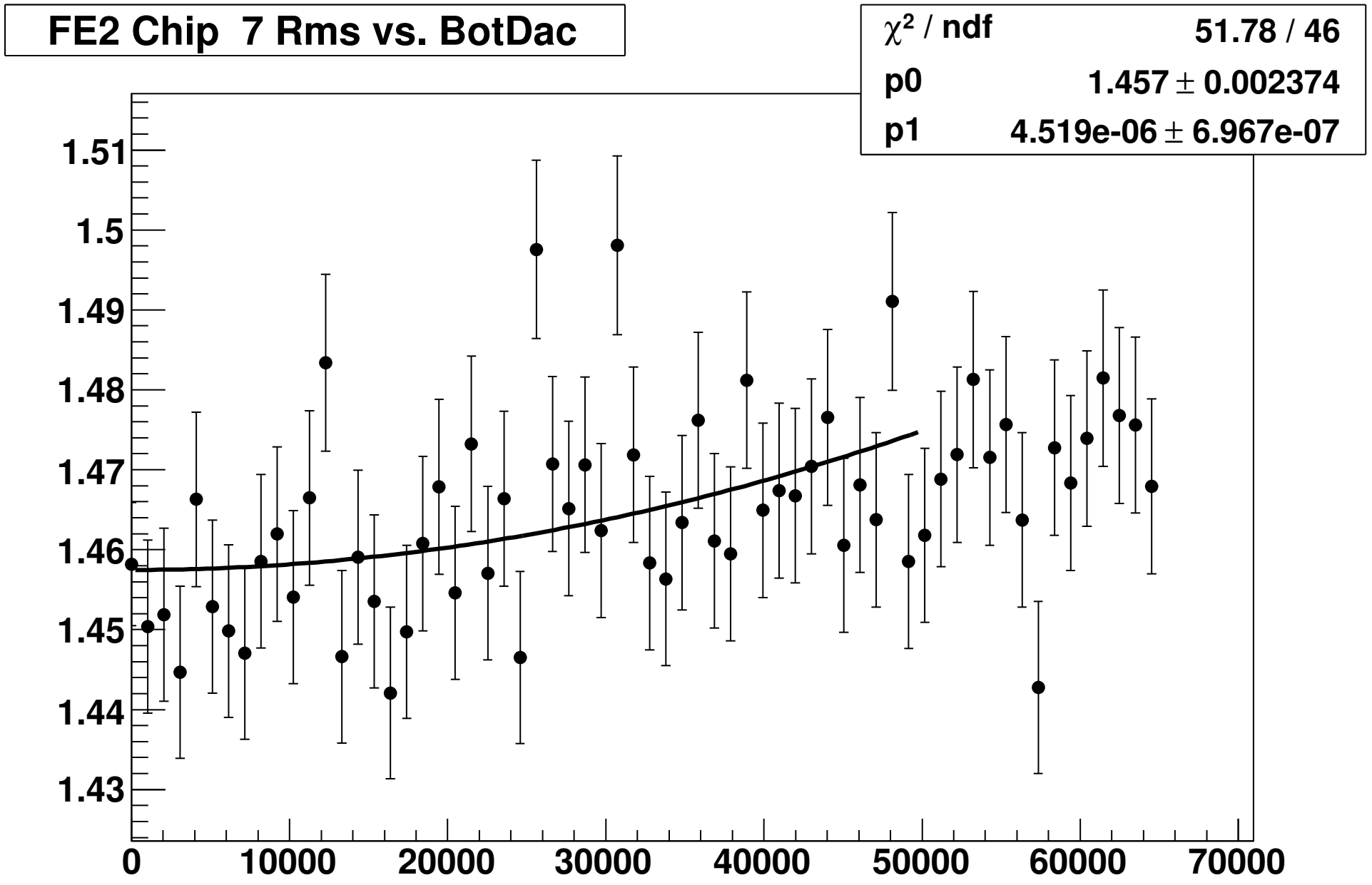
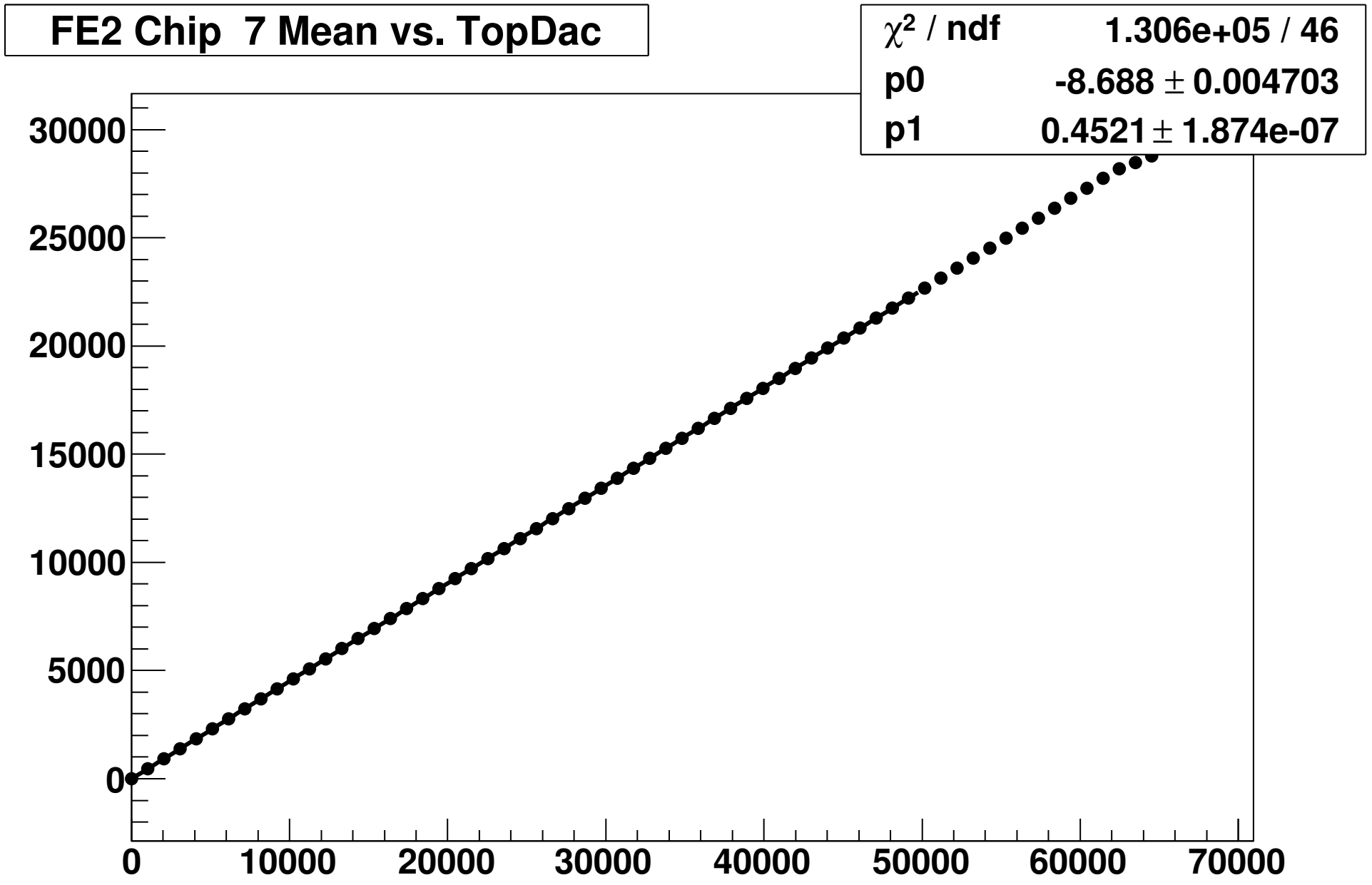
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 731.7 / 46
p0 1.362 ± 0.002602
p1 3.532e-05 ± 1.378e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 1493 / 46
p0 -10.08 ± 0.004504
p1 -1.73e-05 ± 1.568e-07
-9.8
-10
-10.2
-10.4
-10.6
-10.8
-11
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 51.78 / 46
p0 1.457 ± 0.002374
p1 4.519e-06 ± 6.967e-07
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 7 Mean vs. TopDac
χ² / ndf 1.306e+05 / 46
p0 -8.688 ± 0.004703
p1 0.4521 ± 1.874e-07
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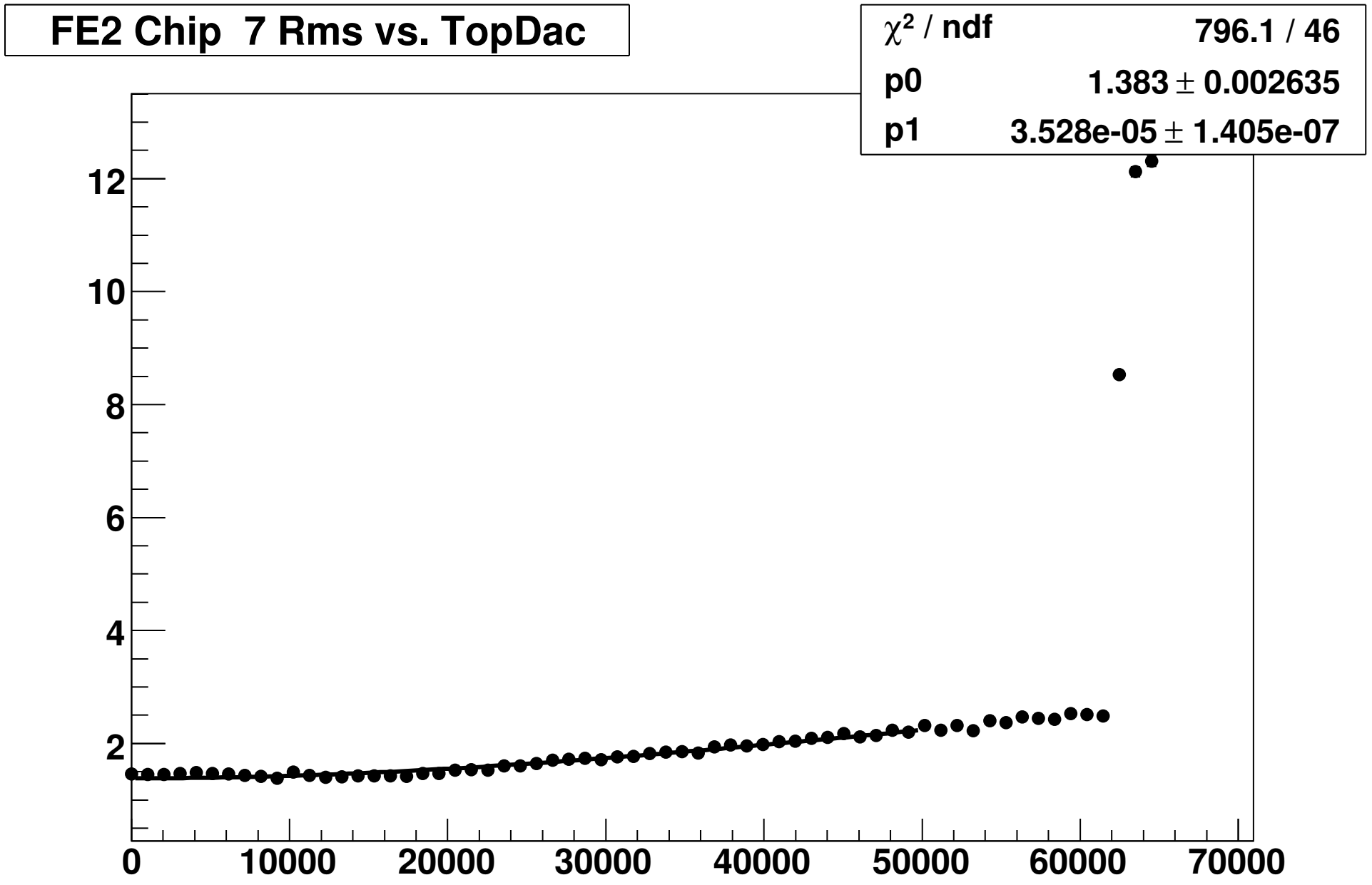
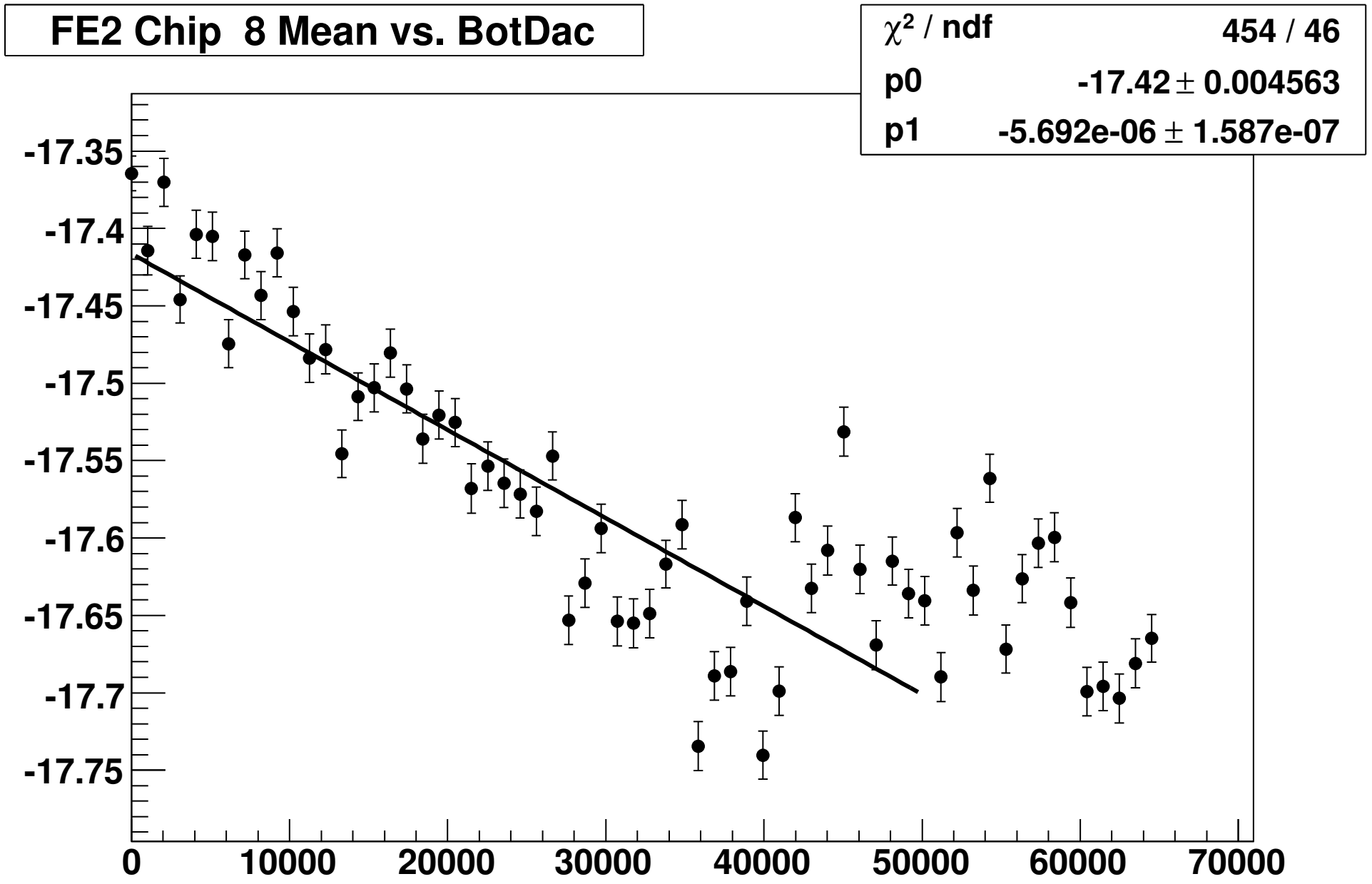
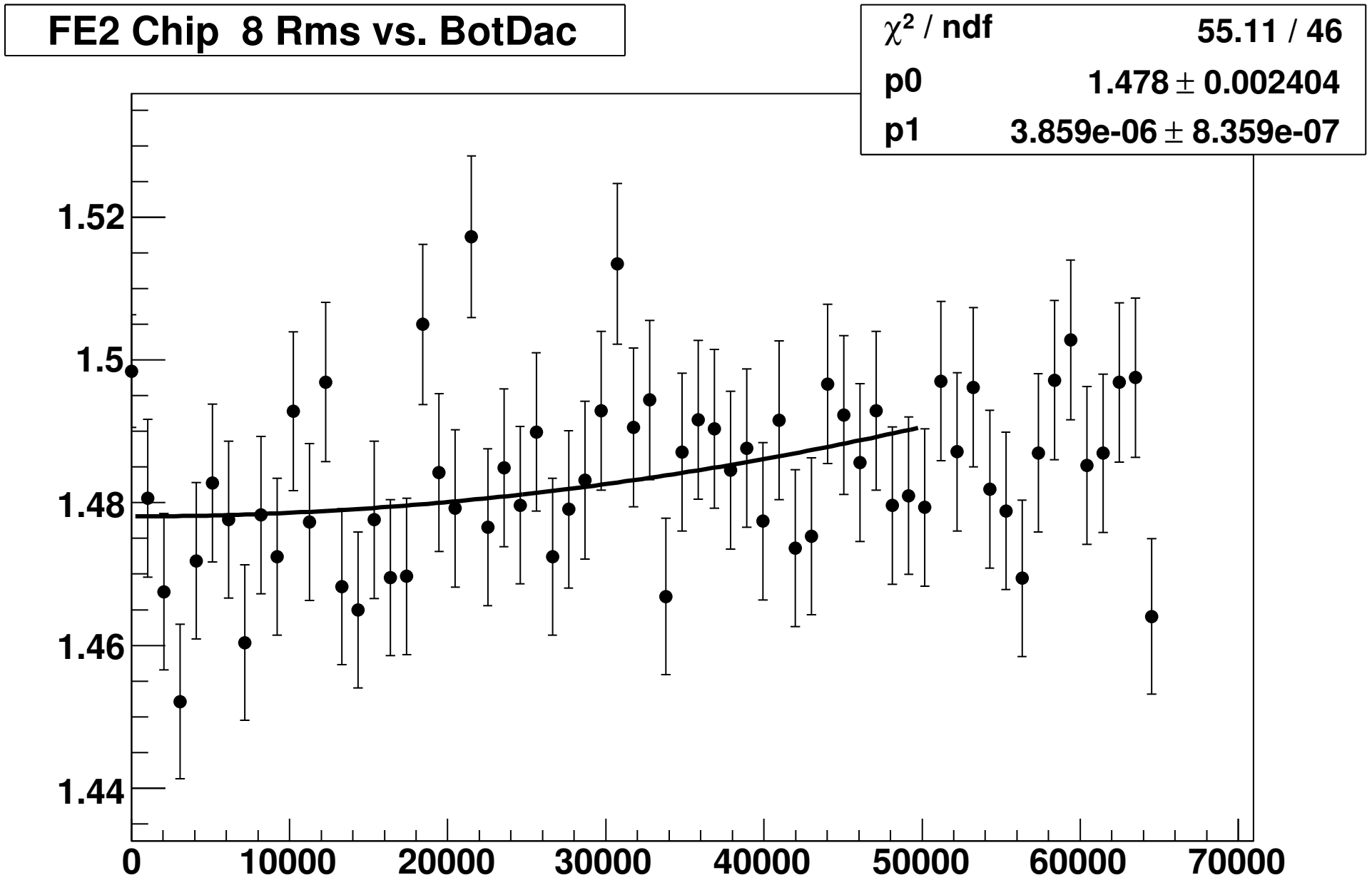
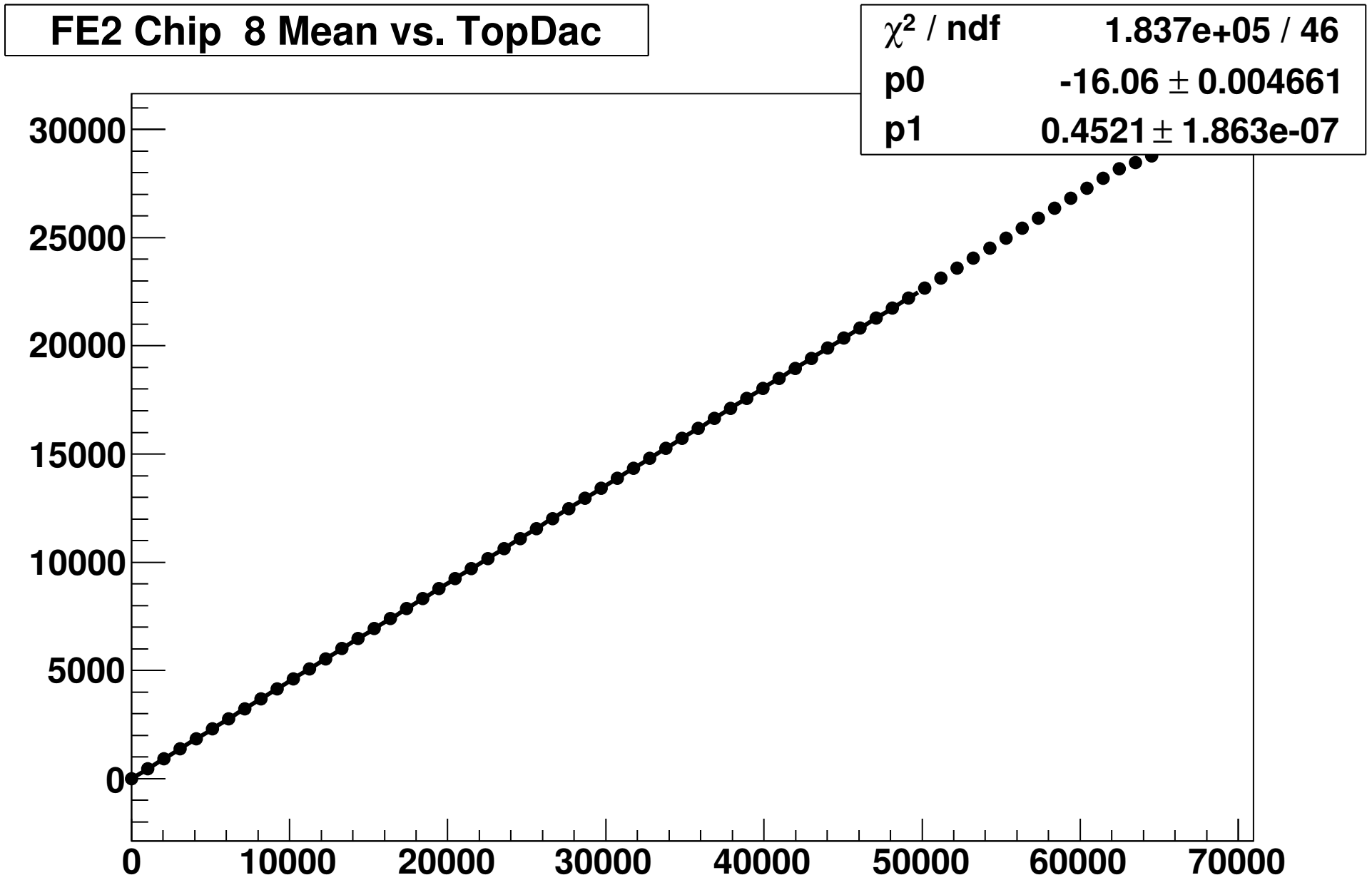
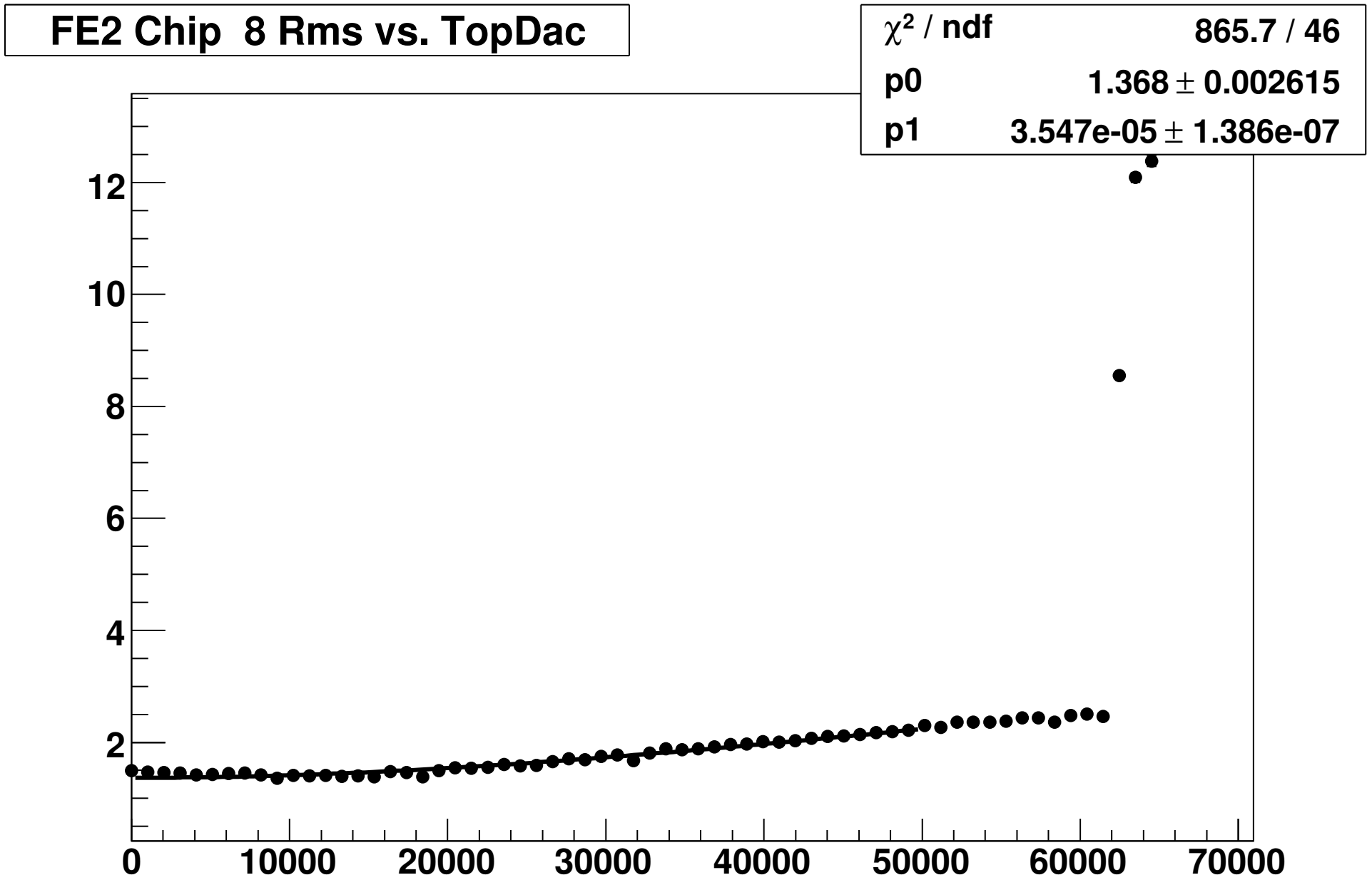
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

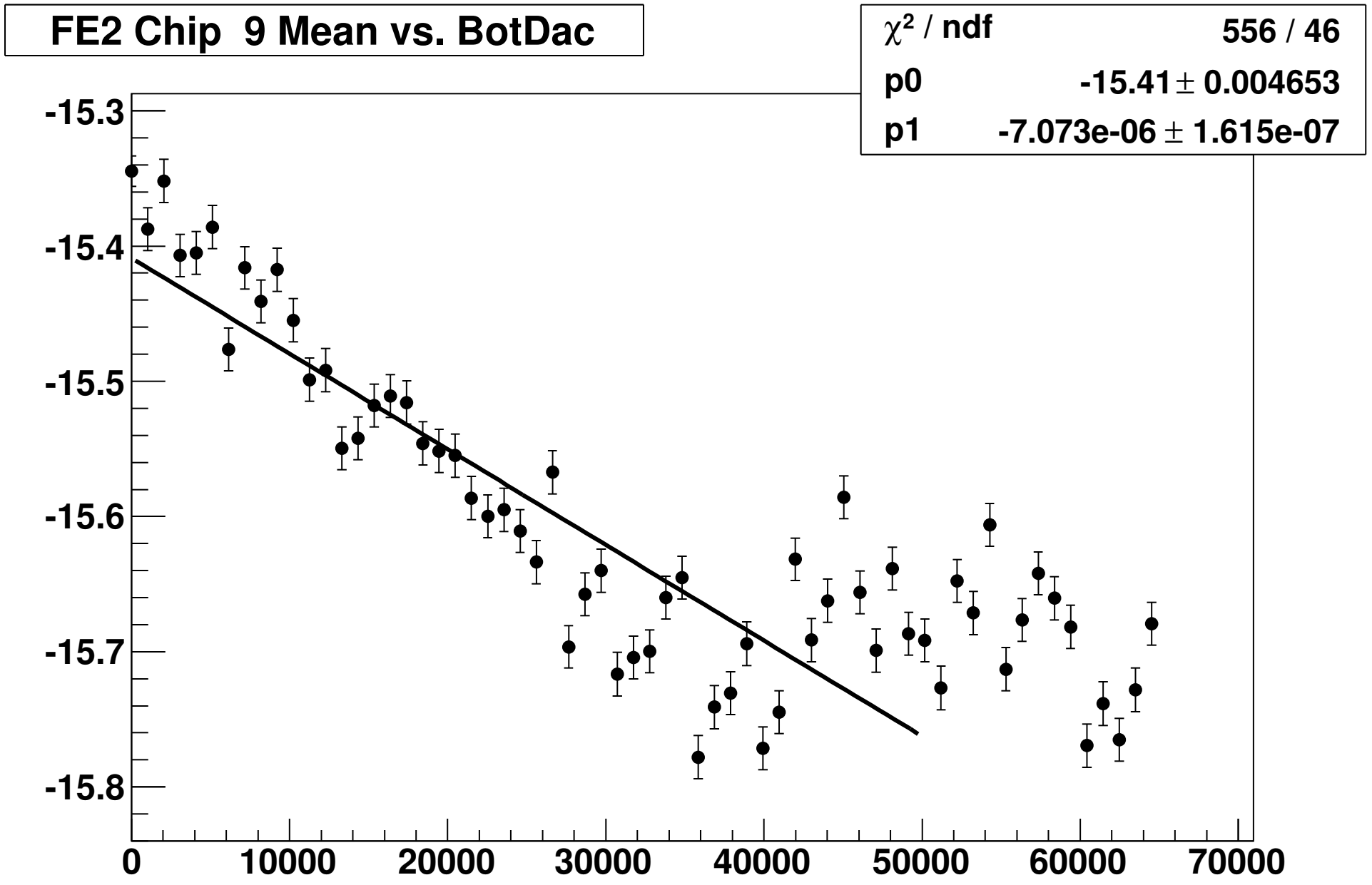

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 796.1 / 46
p0 1.383 ± 0.002635
p1 3.528e-05 ± 1.405e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 454 / 46
p0 -17.42 ± 0.004563
p1 -5.692e-06 ± 1.587e-07
-17.35
-17.4
-17.45
-17.5
-17.55
-17.6
-17.65
-17.7
-17.75
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 55.11 / 46
p0 1.478 ± 0.002404
p1 3.859e-06 ± 8.359e-07
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 1.837e+05 / 46
p0 -16.06 ± 0.004661
p1 0.4521 ± 1.863e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 865.7 / 46
p0 1.368 ± 0.002615
p1 3.547e-05 ± 1.386e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 556 / 46
p0 -15.41 ± 0.004653
p1 -7.073e-06 ± 1.615e-07
-15.3
-15.4
-15.5
-15.6
-15.7
-15.8
0
10000
20000
30000
40000
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60000
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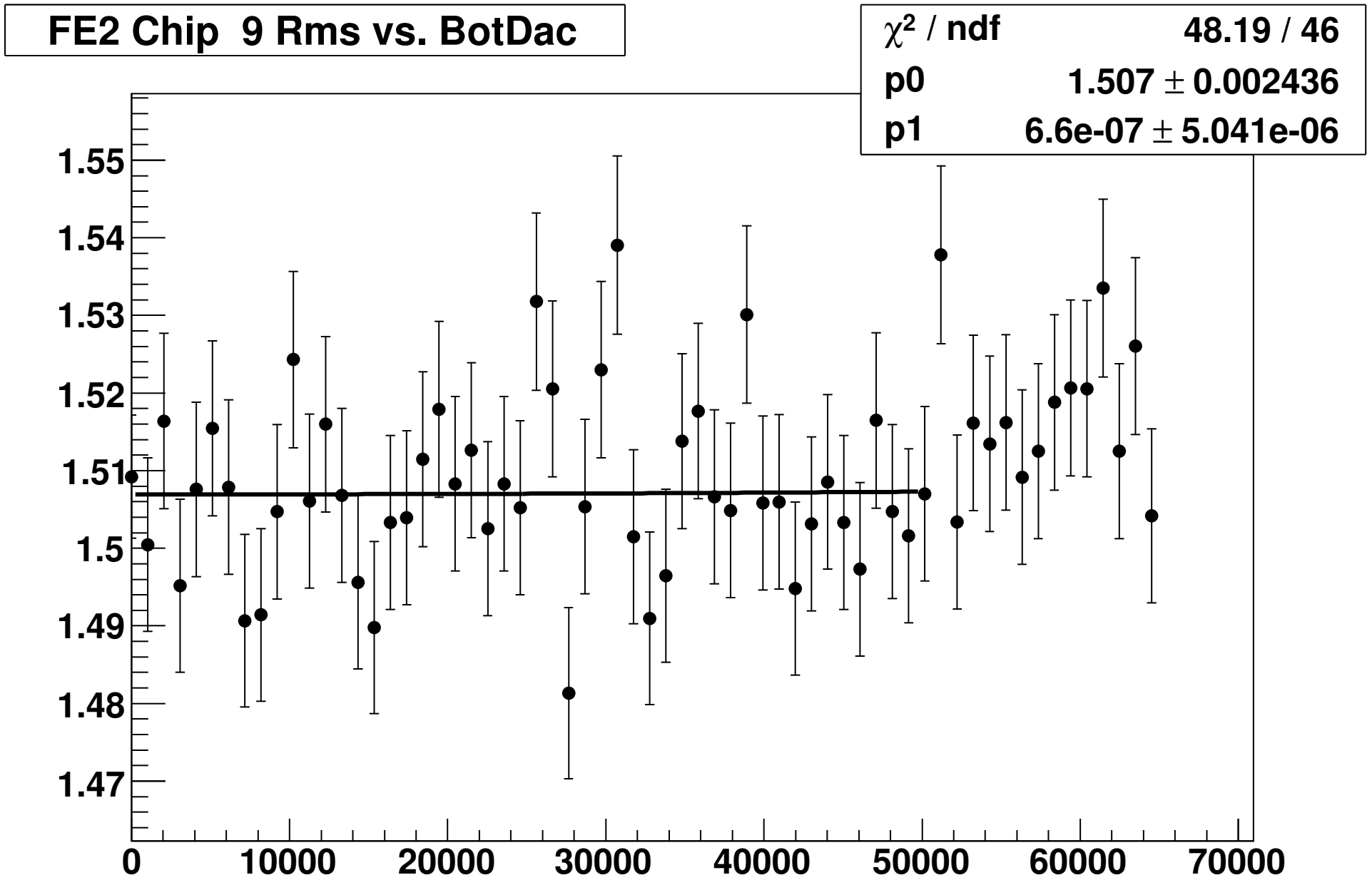
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 48.19 / 46
p0 1.507 ± 0.002436
p1 6.6e-07 ± 5.041e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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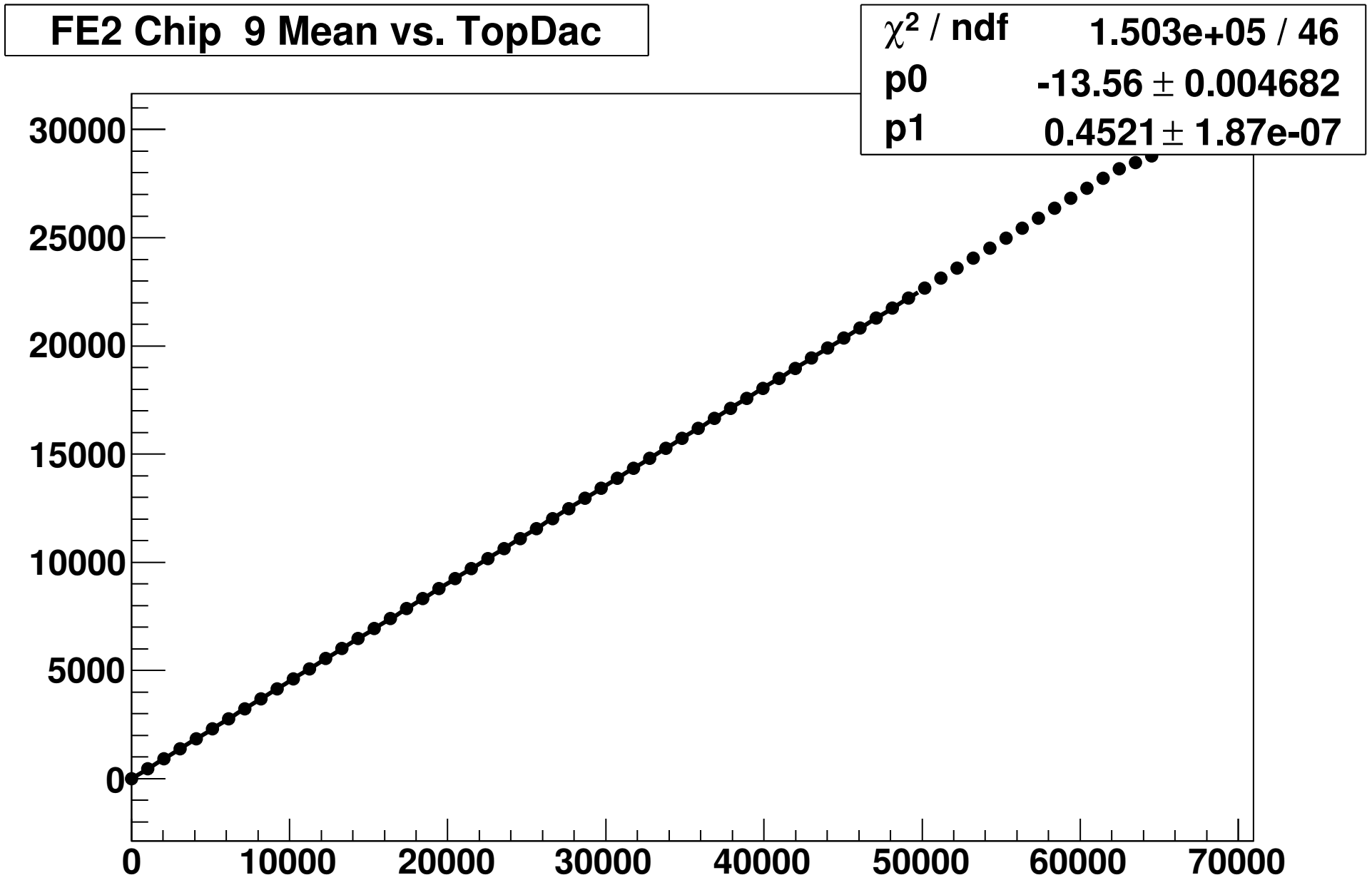
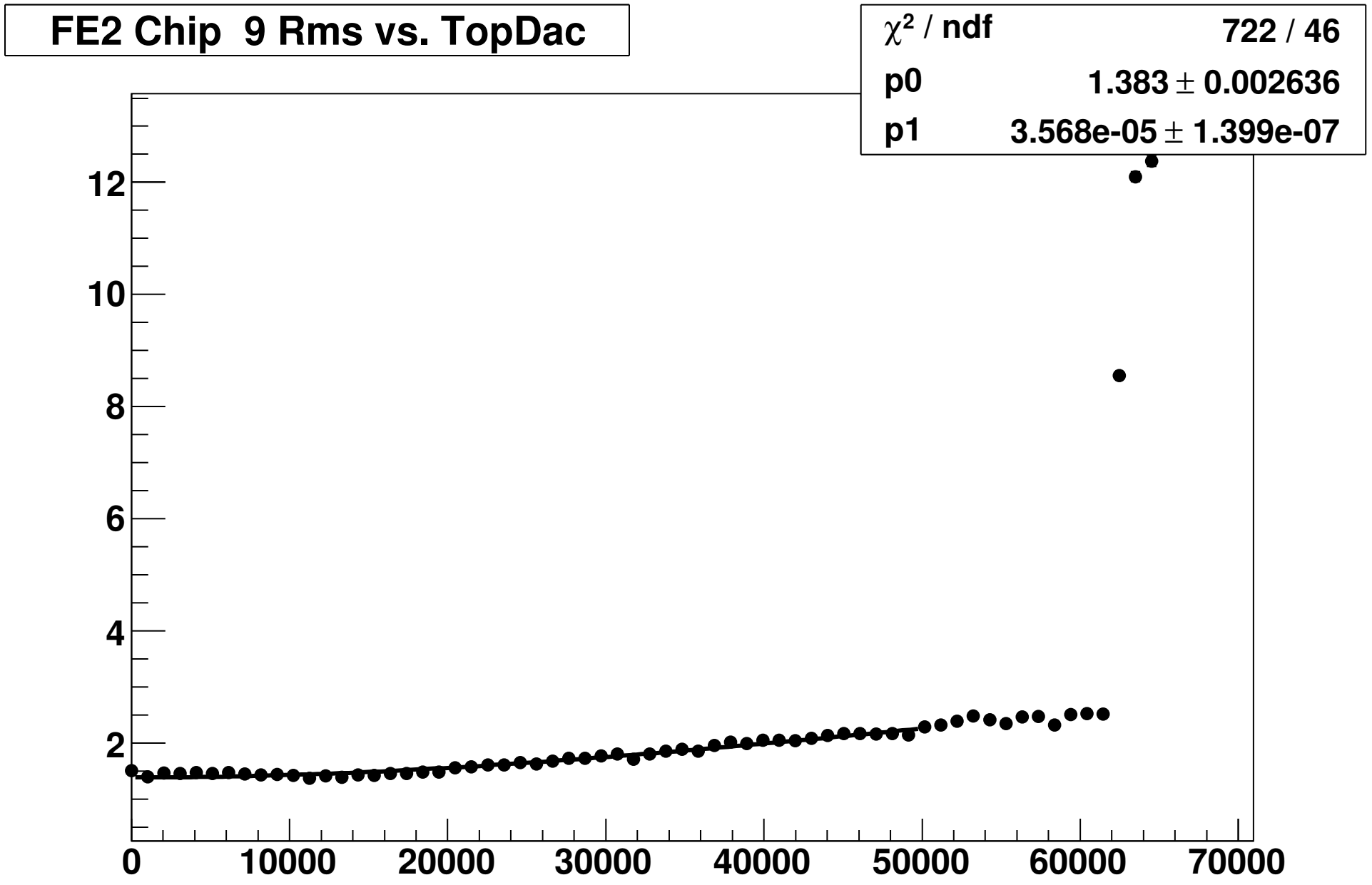
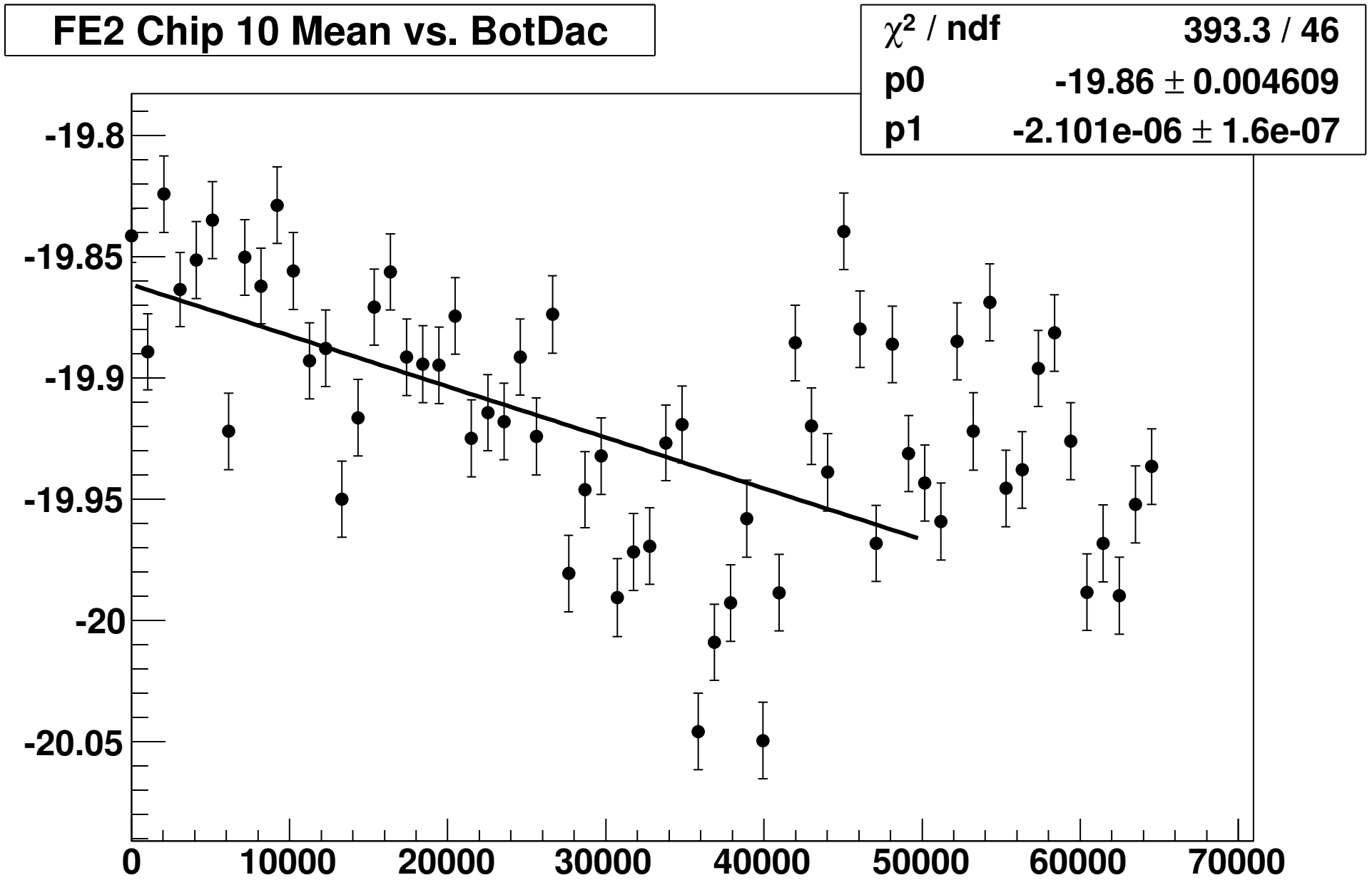
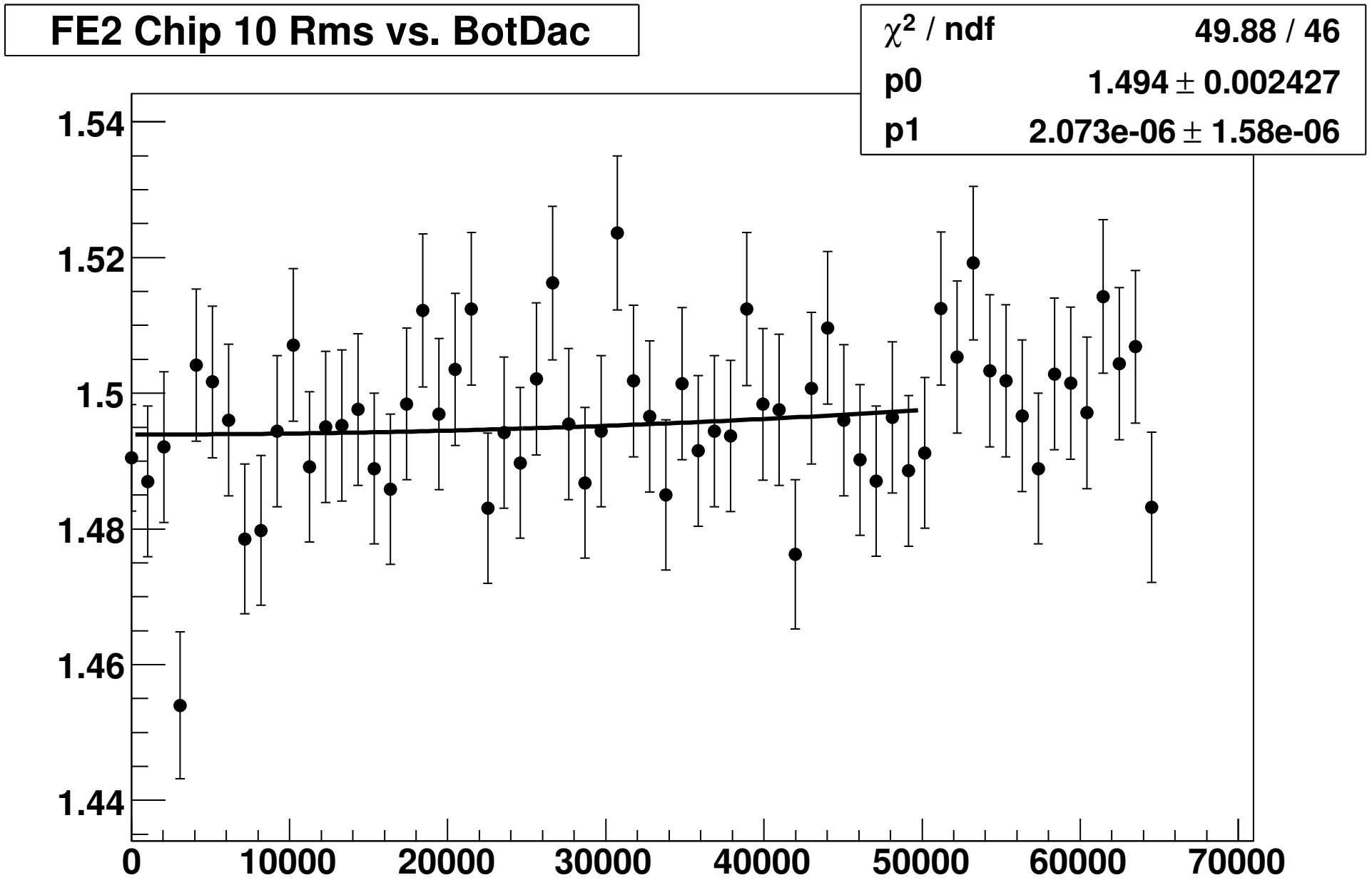
60000
70000


FE2 Chip 9 Mean vs. TopDac
χ² / ndf 1.503e+05 / 46
p0 -13.56 ± 0.004682
p1 0.4521 ± 1.87e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 722 / 46
p0 1.383 ± 0.002636
p1 3.568e-05 ± 1.399e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 393.3 / 46
p0 -19.86 ± 0.004609
p1 -2.101e-06 ± 1.6e-07
-19.8
-19.85
-19.9
-19.95
-20
-20.05
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. BotDac
χ² / ndf 49.88 / 46
p0 1.494 ± 0.002427
p1 2.073e-06 ± 1.58e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
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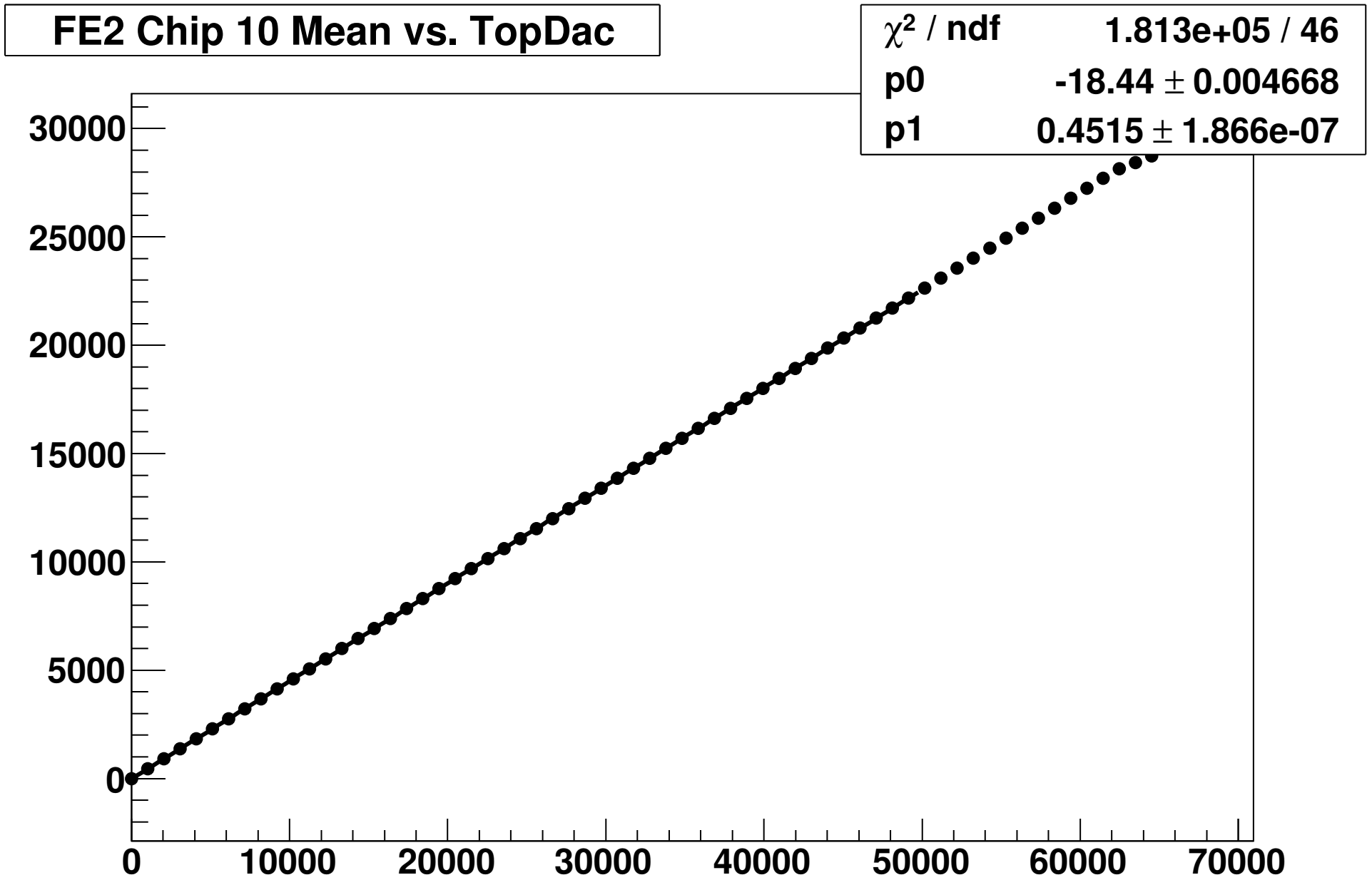
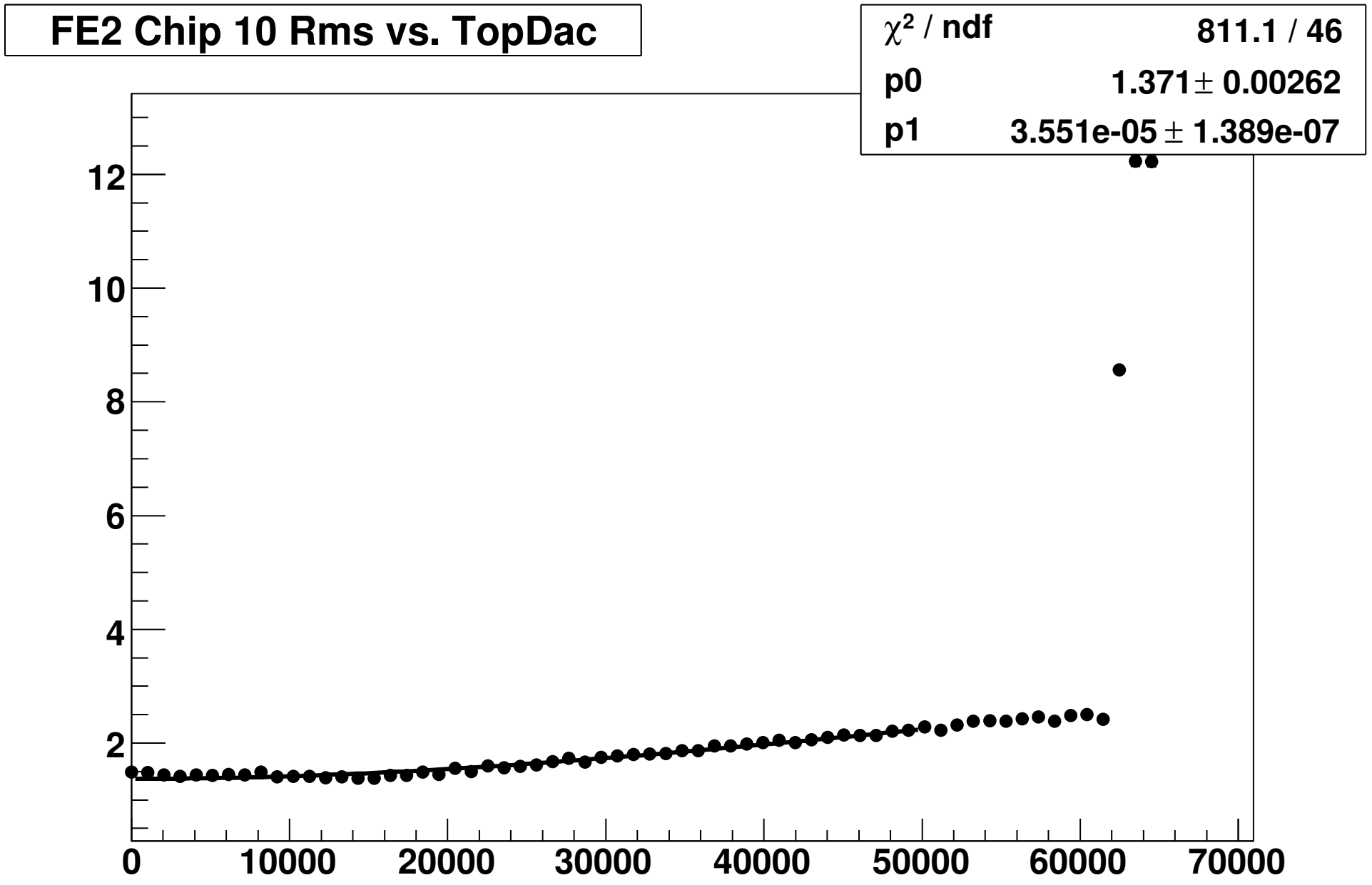
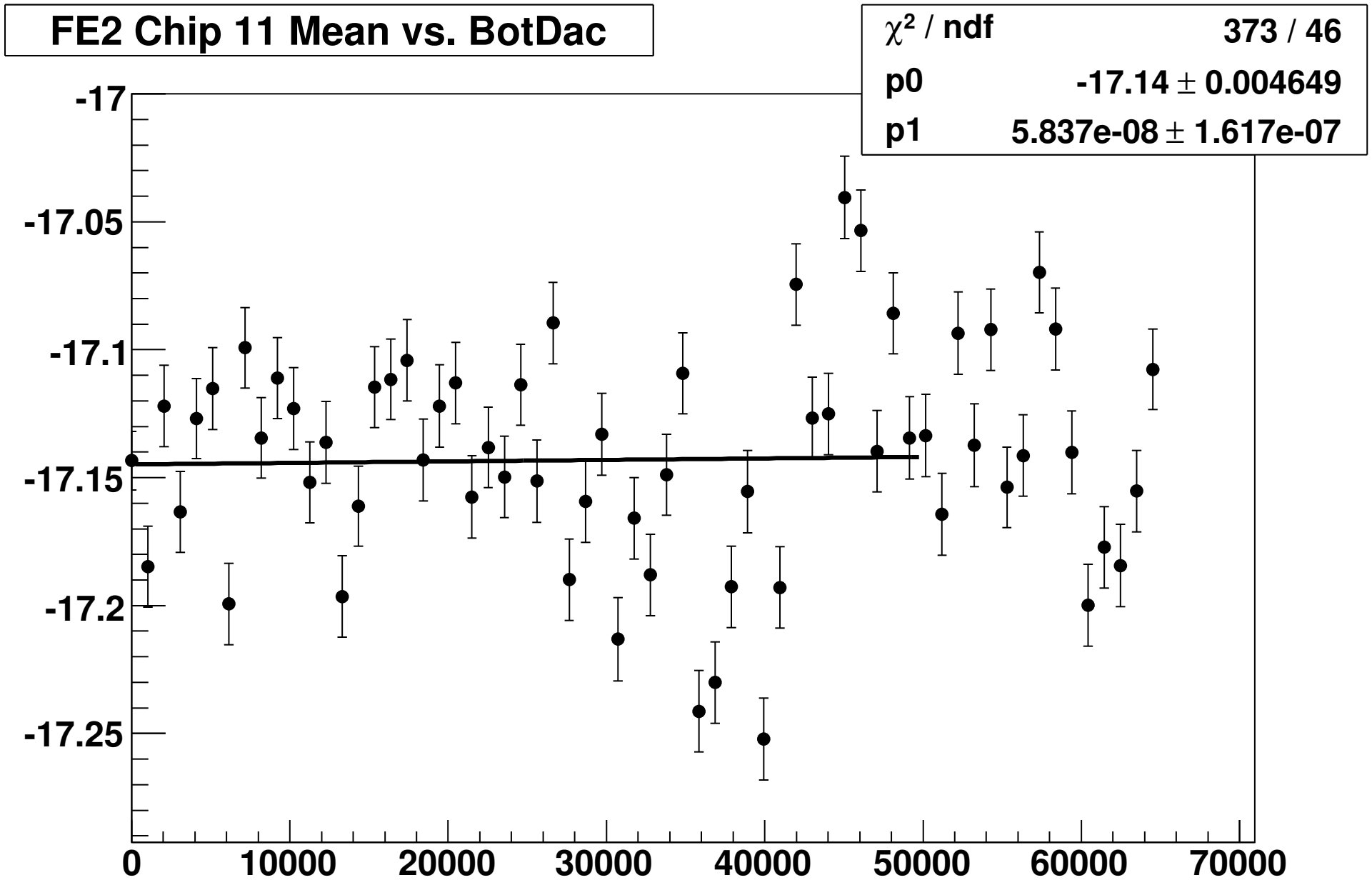
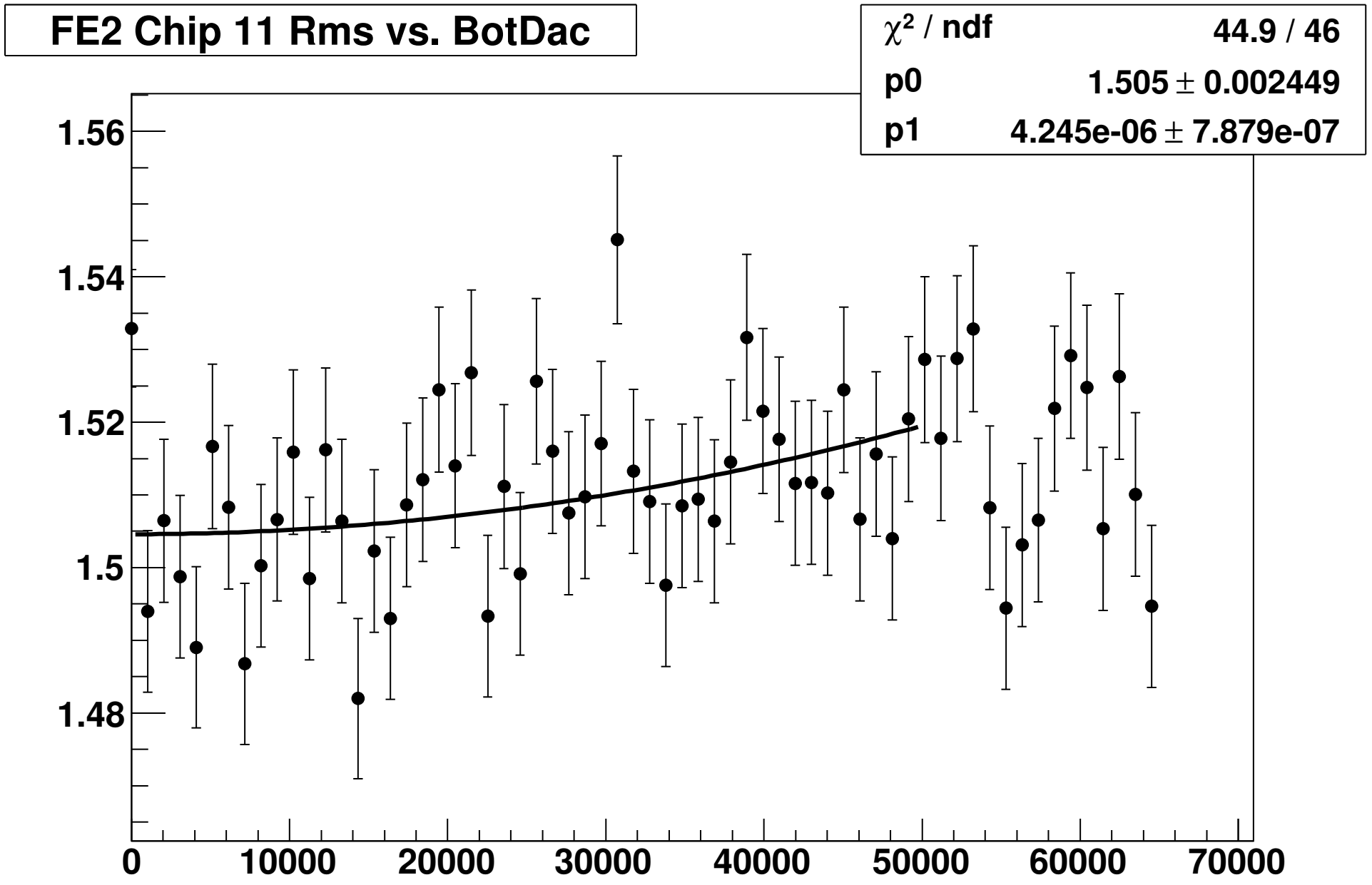

FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.813e+05 / 46
p0 -18.44 ± 0.004668
p1 0.4515 ± 1.866e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 811.1 / 46
p0 1.371 ± 0.00262
p1 3.551e-05 ± 1.389e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 373 / 46
p0 -17.14 ± 0.004649
p1 5.837e-08 ± 1.617e-07
-17
-17.05
-17.1
-17.15
-17.2
-17.25
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 44.9 / 46
p0 1.505 ± 0.002449
p1 4.245e-06 ± 7.879e-07
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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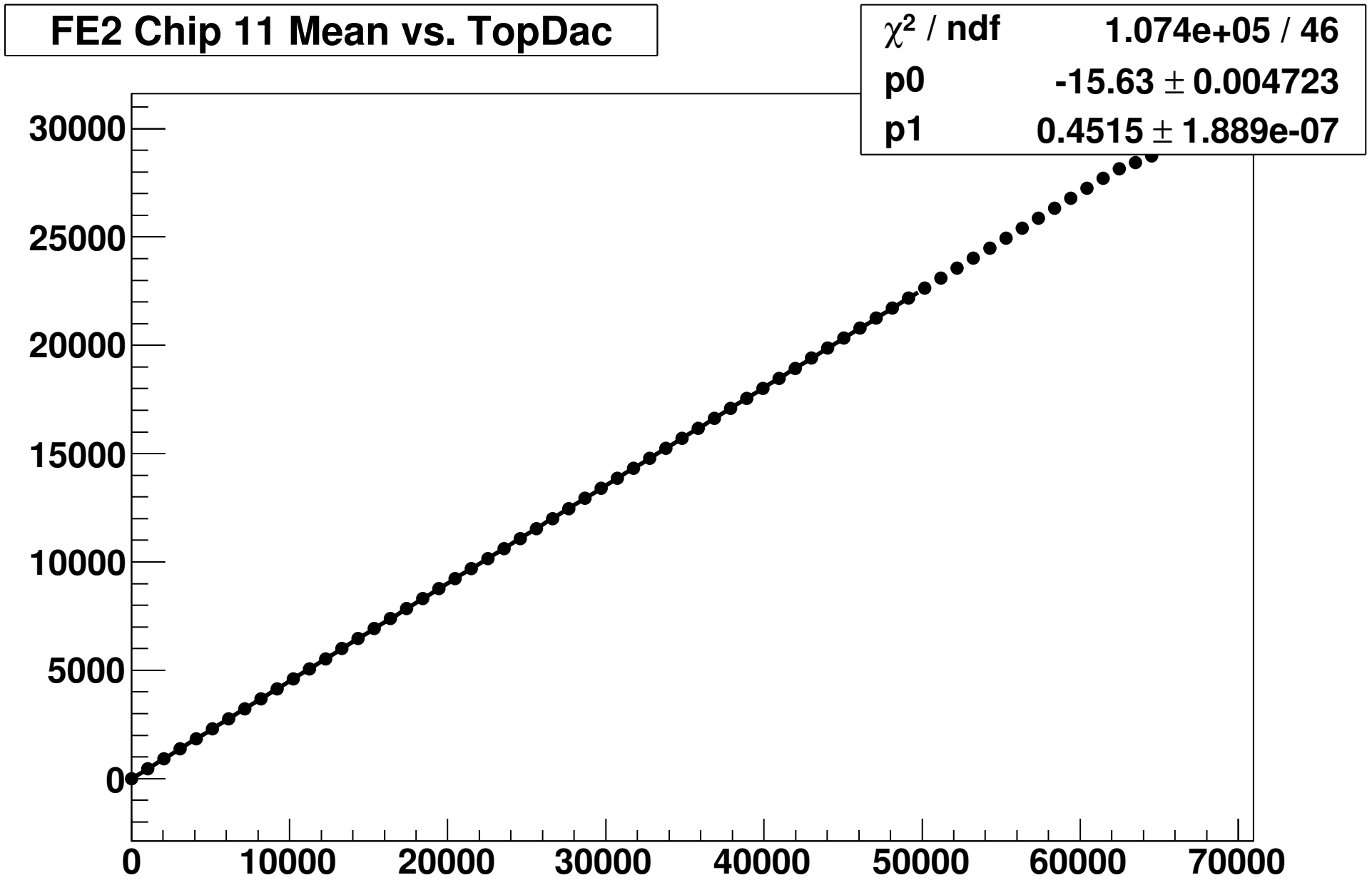
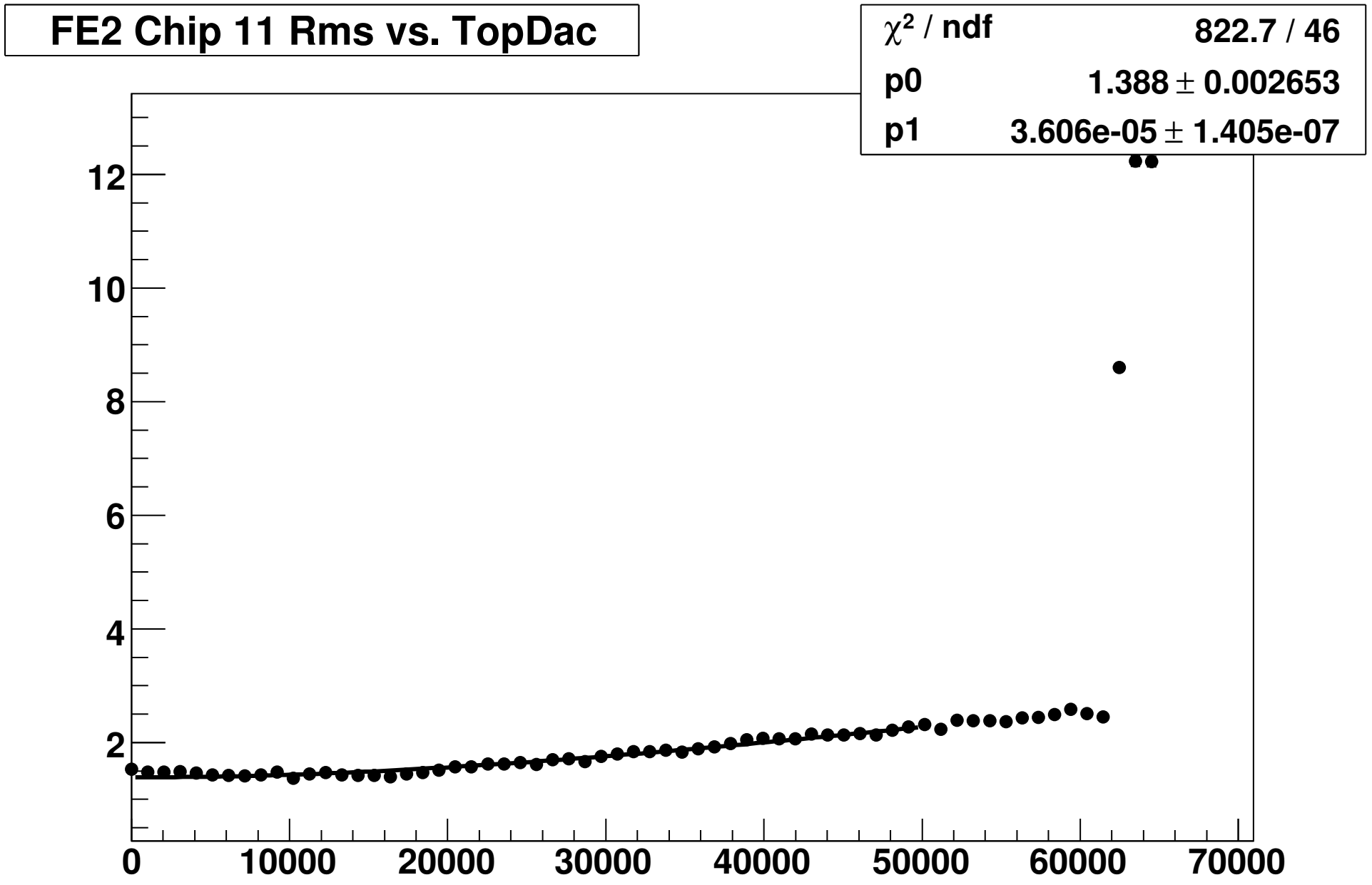
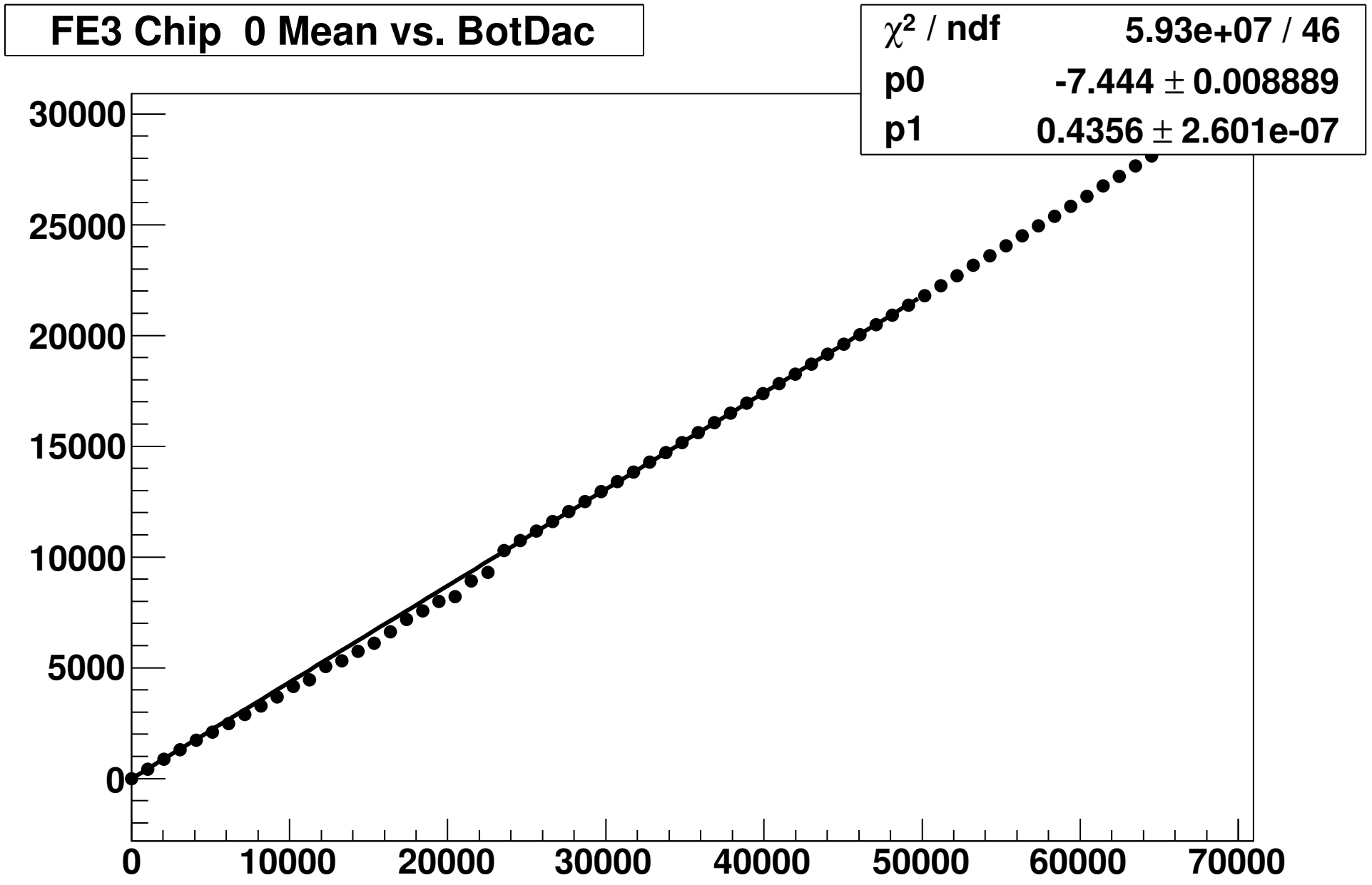
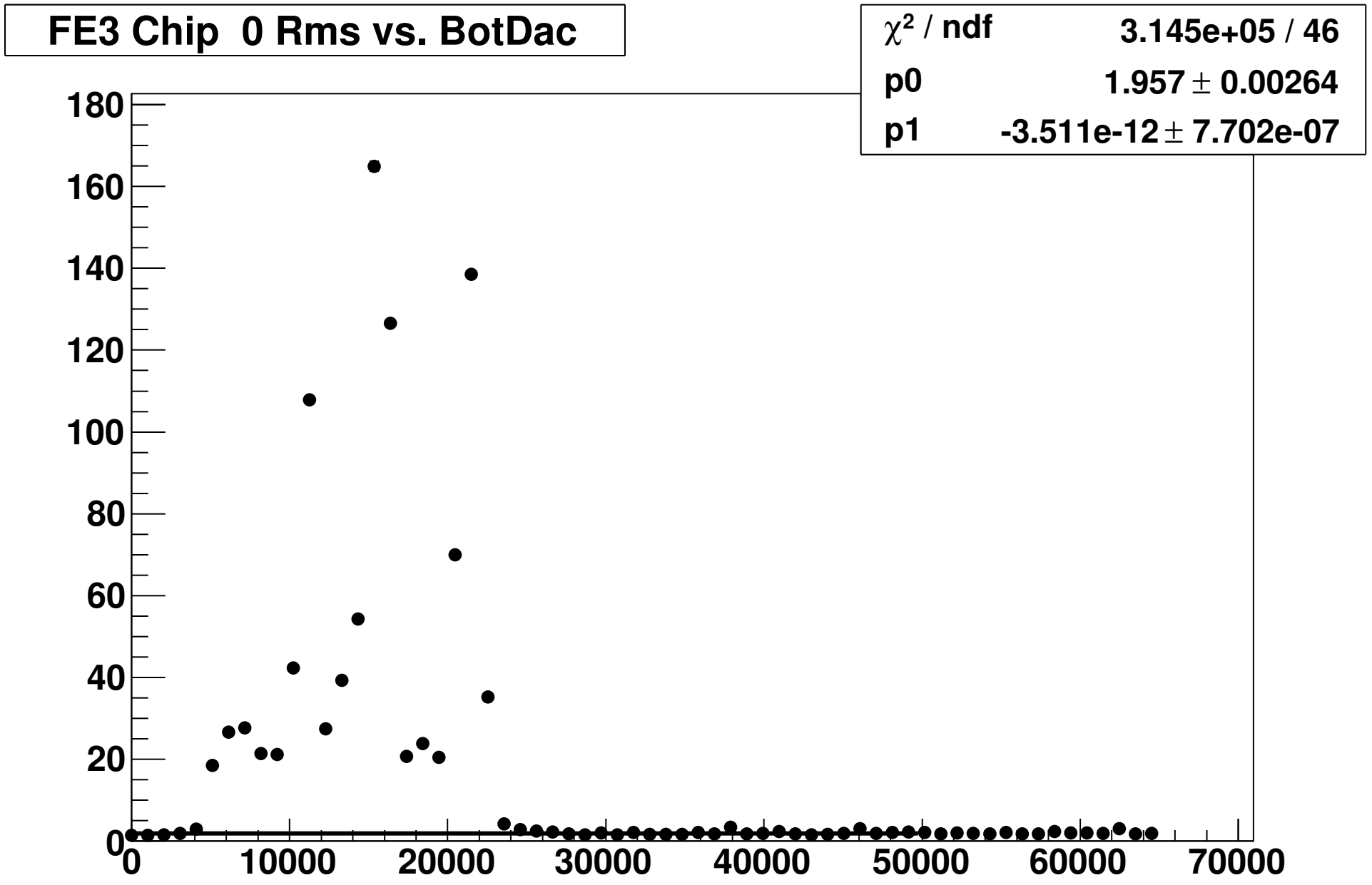
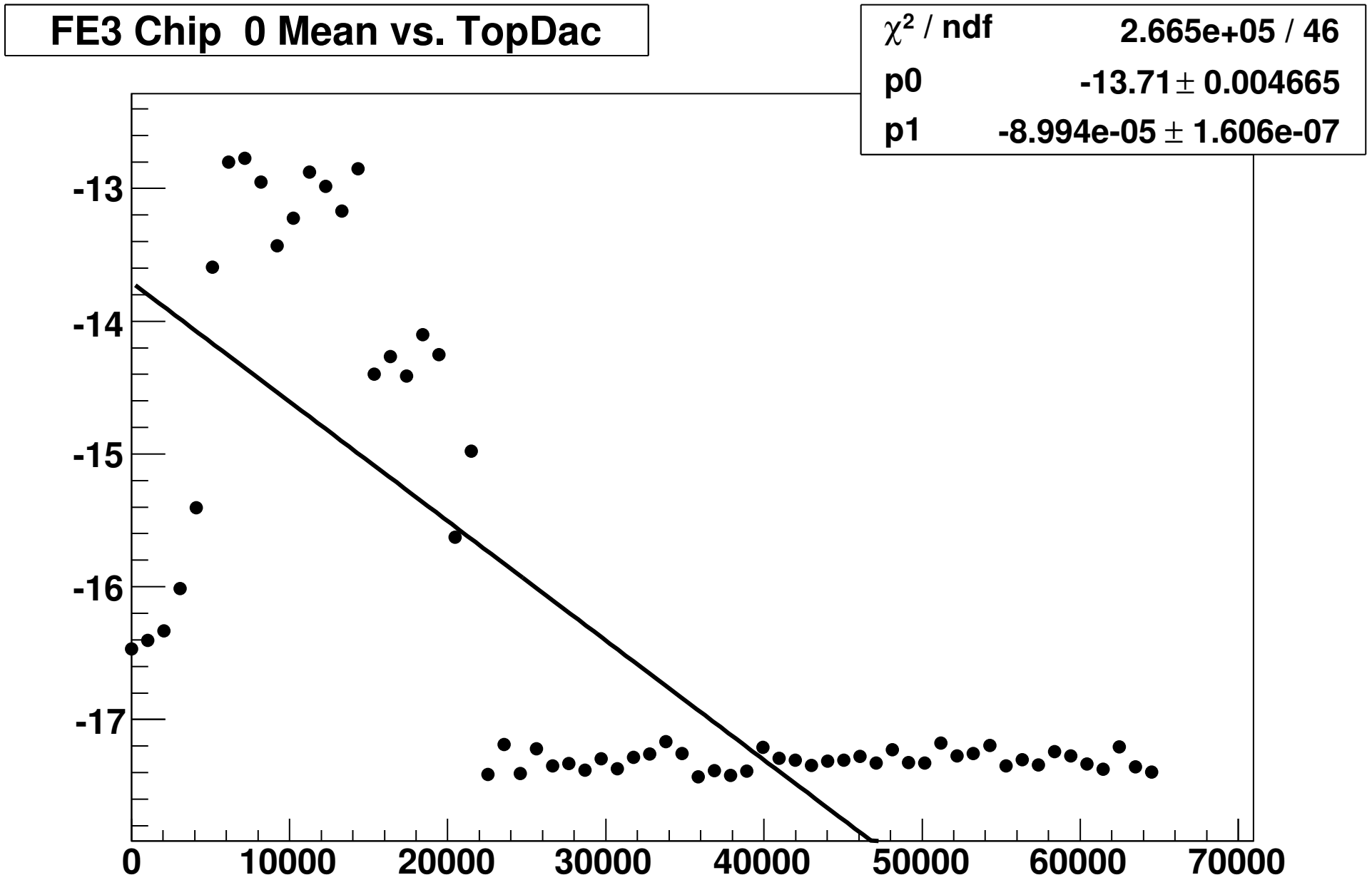
50000
60000
70000

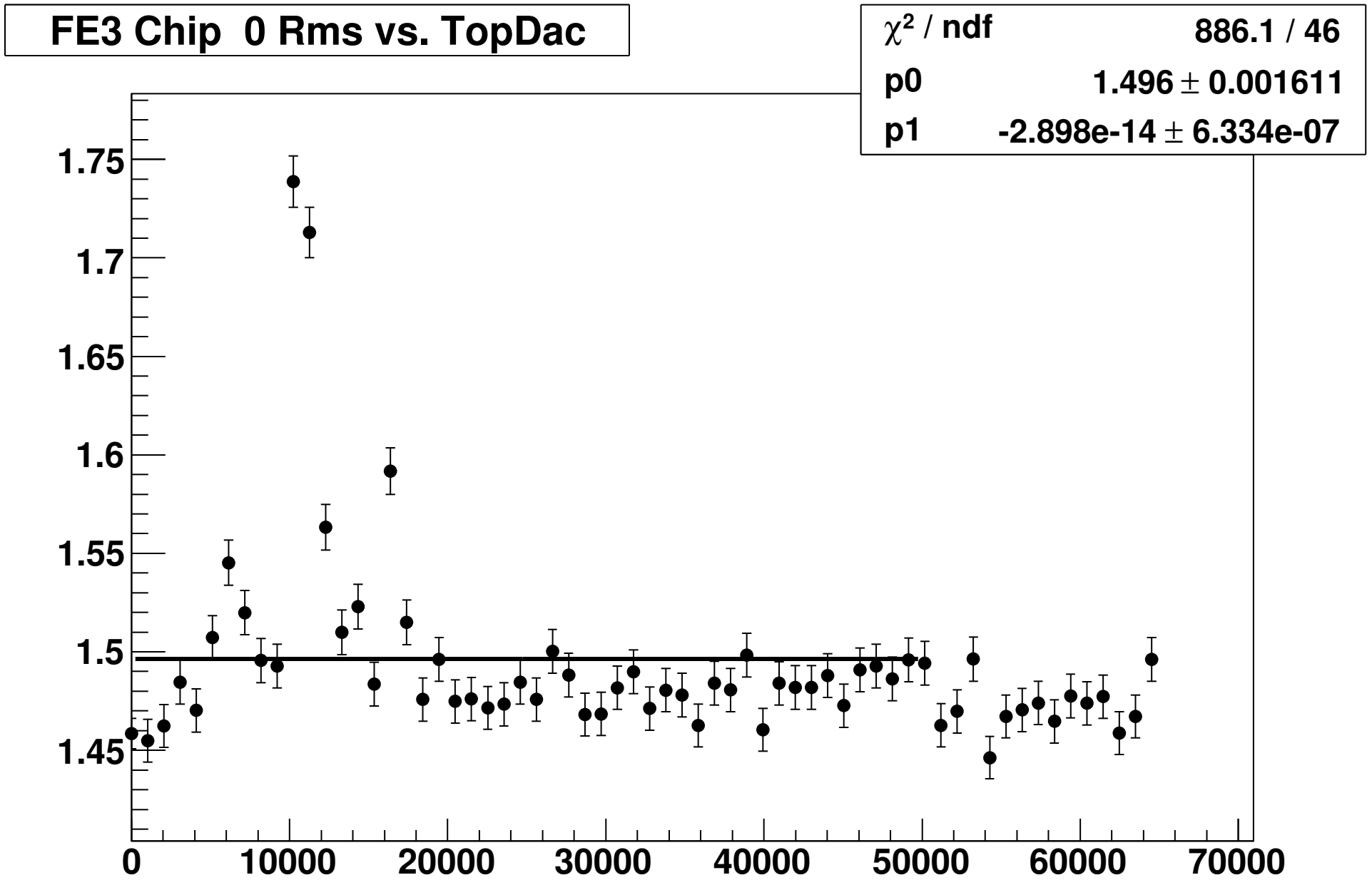

FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.074e+05 / 46
p0 -15.63 ± 0.004723
p1 0.4515 ± 1.889e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

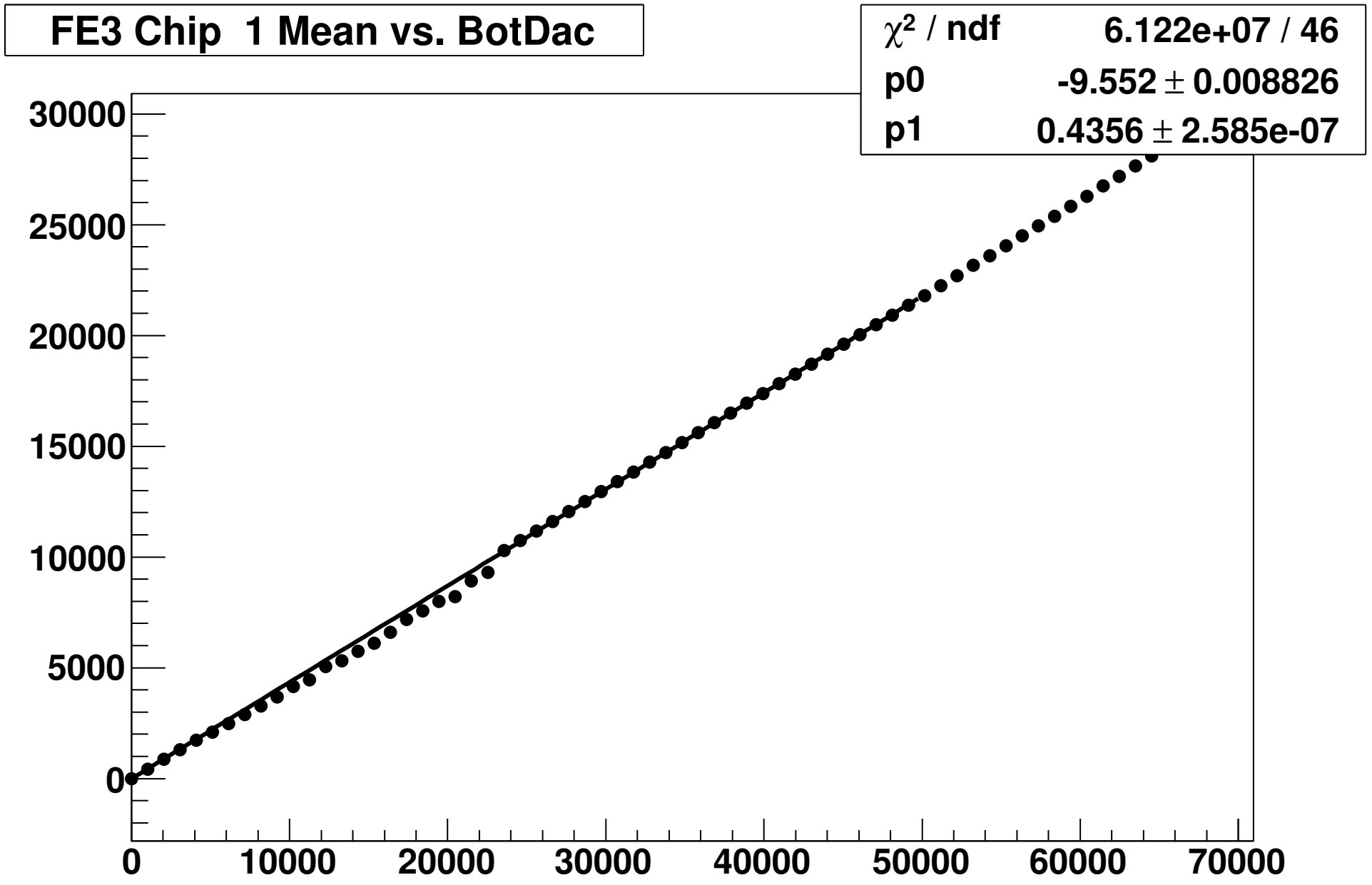

FE2 Chip 11 Rms vs. TopDac
χ² / ndf 822.7 / 46
p0 1.388 ± 0.002653
p1 3.606e-05 ± 1.405e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

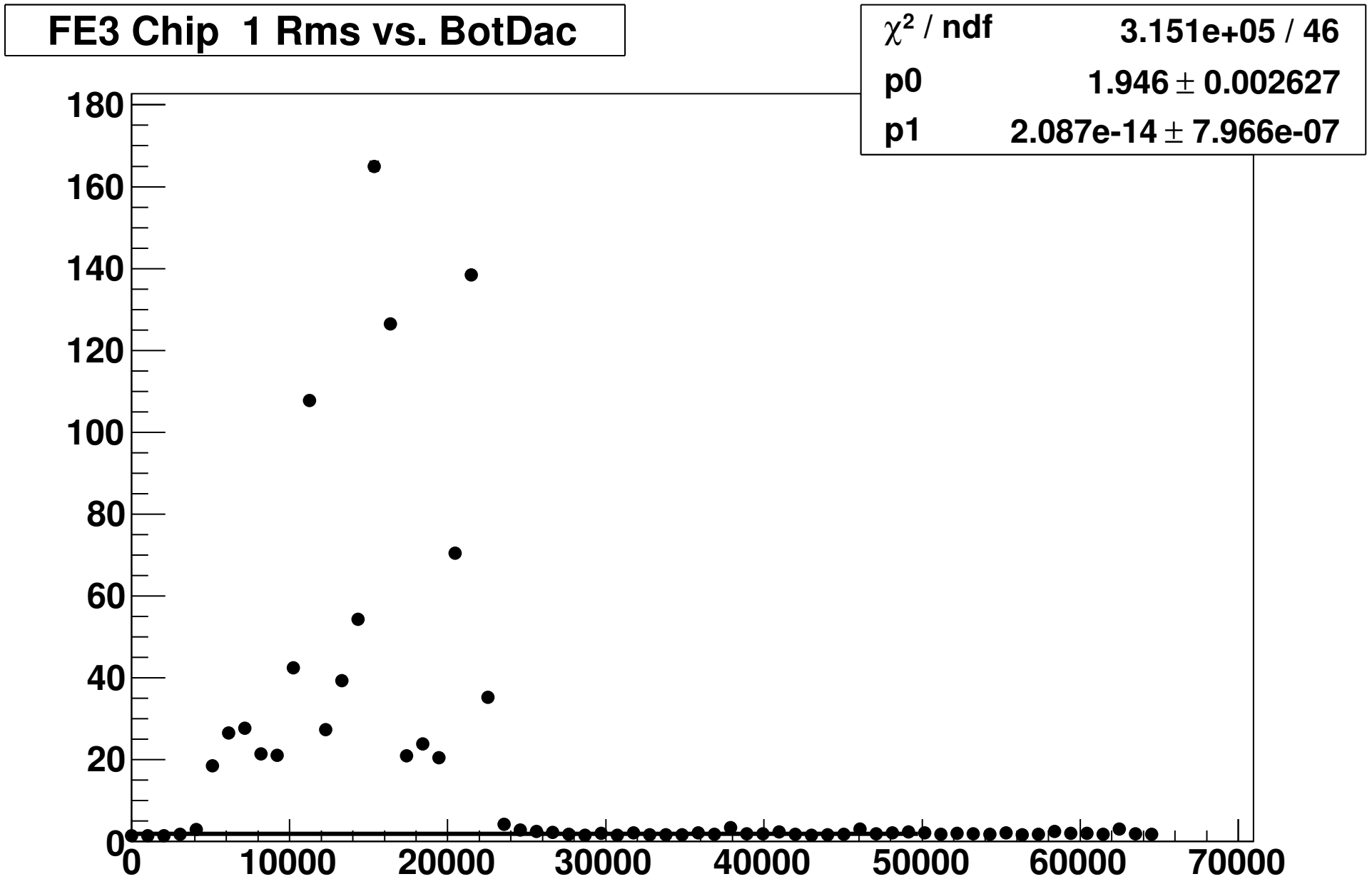

FE3 Chip 0 Mean vs. BotDac
χ² / ndf 5.93e+07 / 46
p0 -7.444 ± 0.008889
p1 0.4356 ± 2.601e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

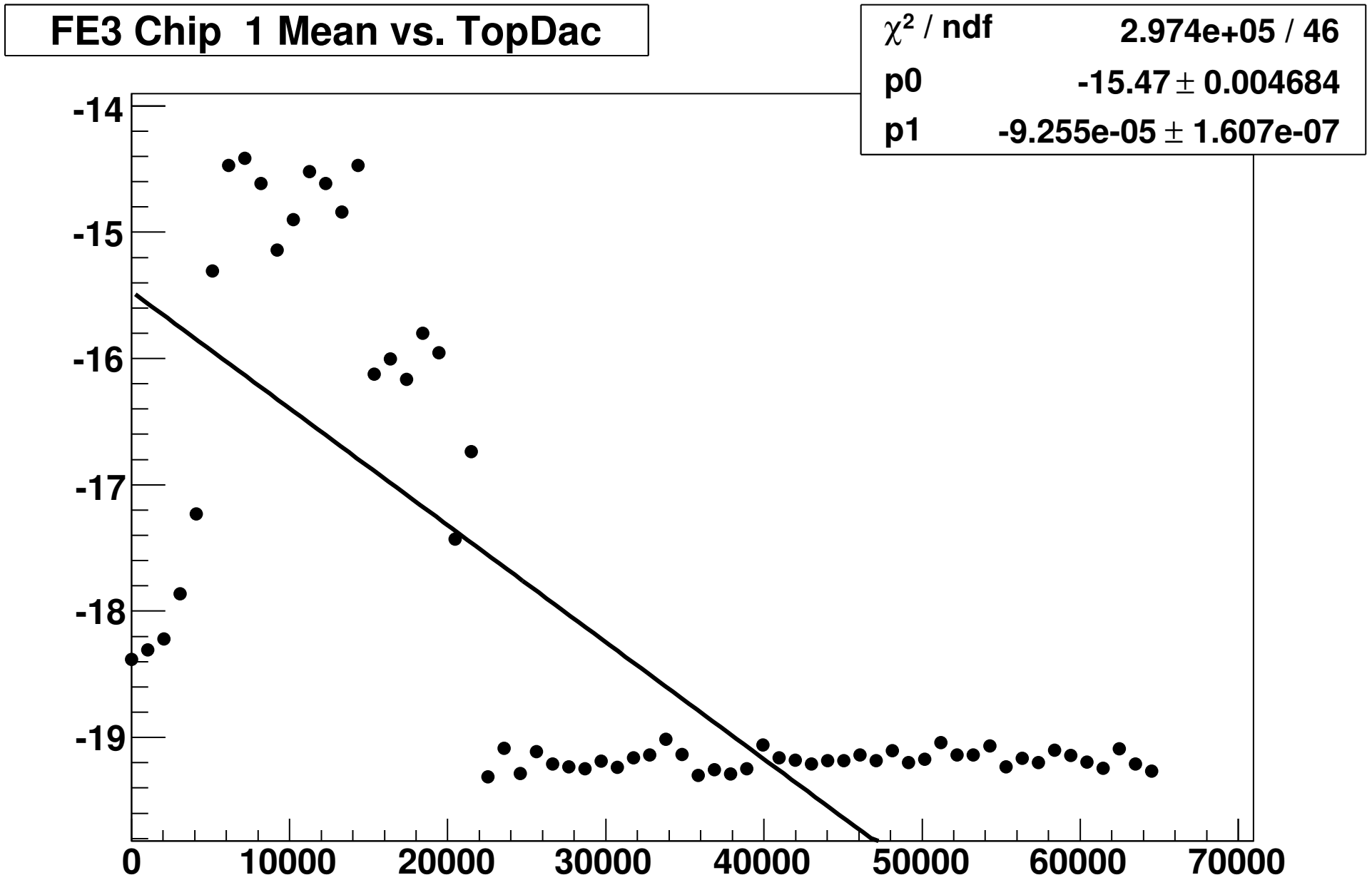

FE3 Chip 0 Rms vs. BotDac
χ² / ndf 3.145e+05 / 46
p0 1.957 ± 0.00264
p1 -3.511e-12 ± 7.702e-07
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

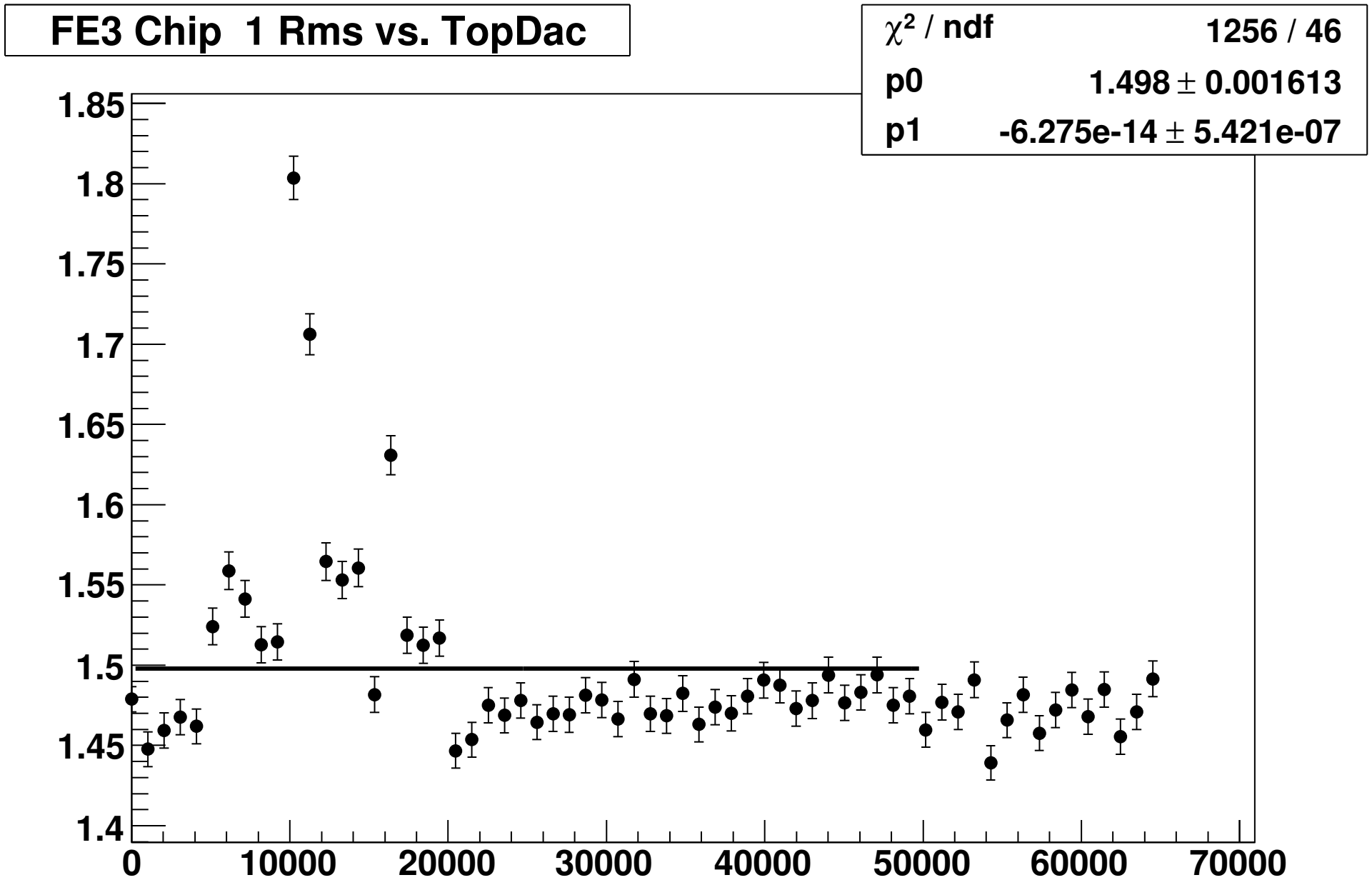

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 2.665e+05 / 46
p0 -13.71 ± 0.004665
p1 -8.994e-05 ± 1.606e-07
-13
-14
-15
-16
-17
0
10000
20000
30000
40000
50000
60000
70000

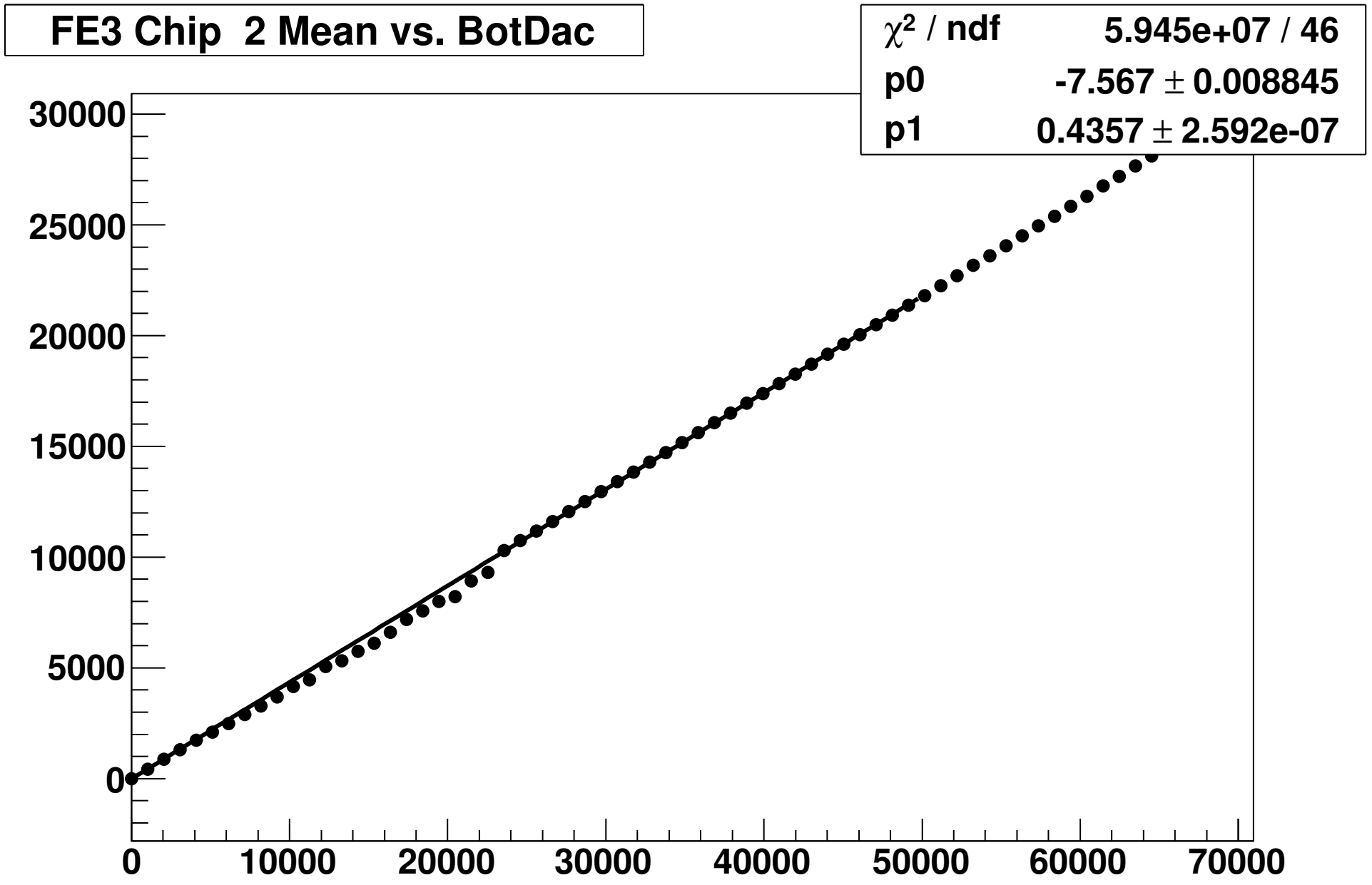

FE3 Chip 0 Rms vs. TopDac
χ² / ndf 886.1 / 46
p0 1.496 ± 0.001611
p1 -2.898e-14 ± 6.334e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

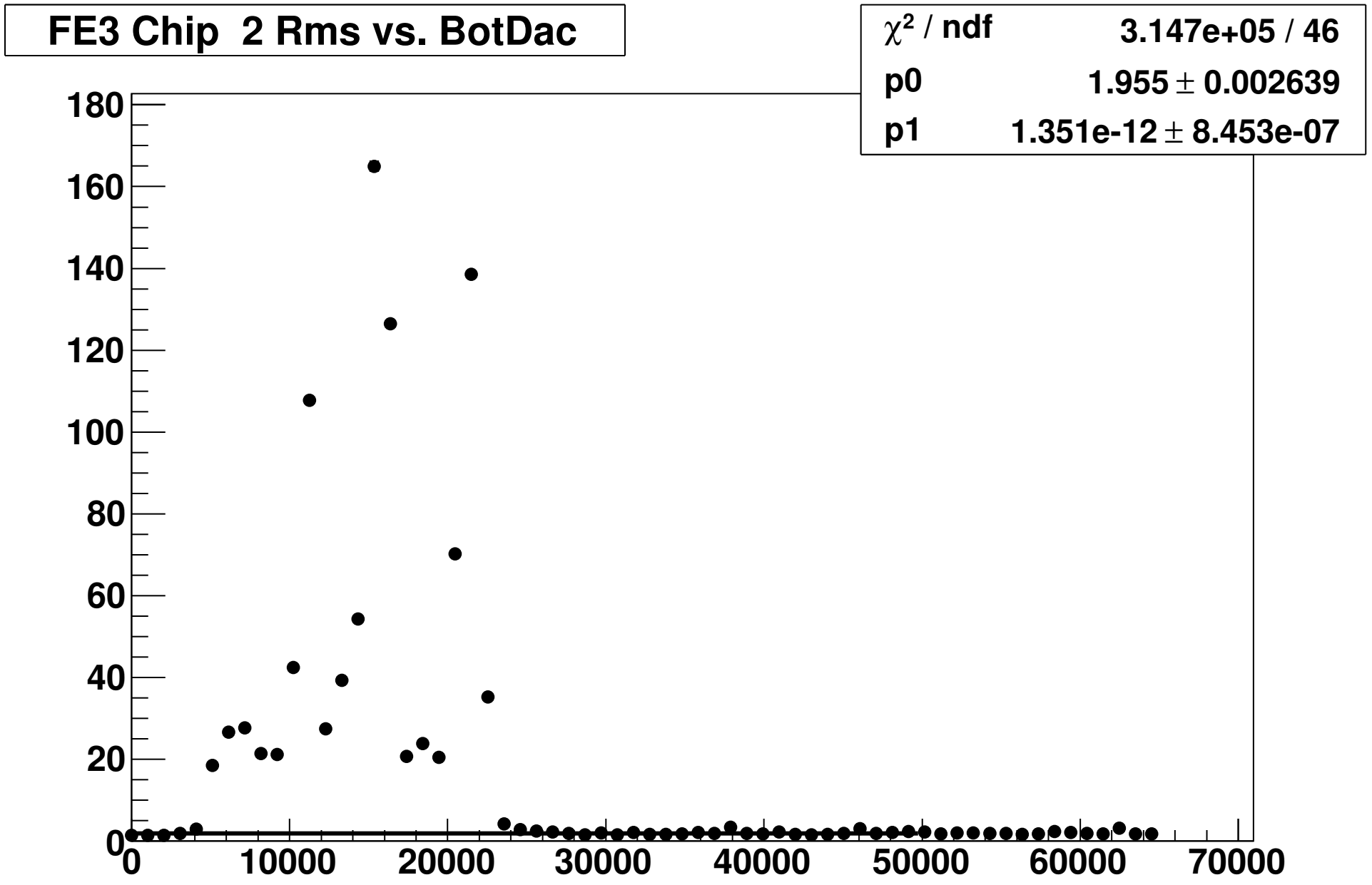

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 6.122e+07 / 46
p0 -9.552 ± 0.008826
p1 0.4356 ± 2.585e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

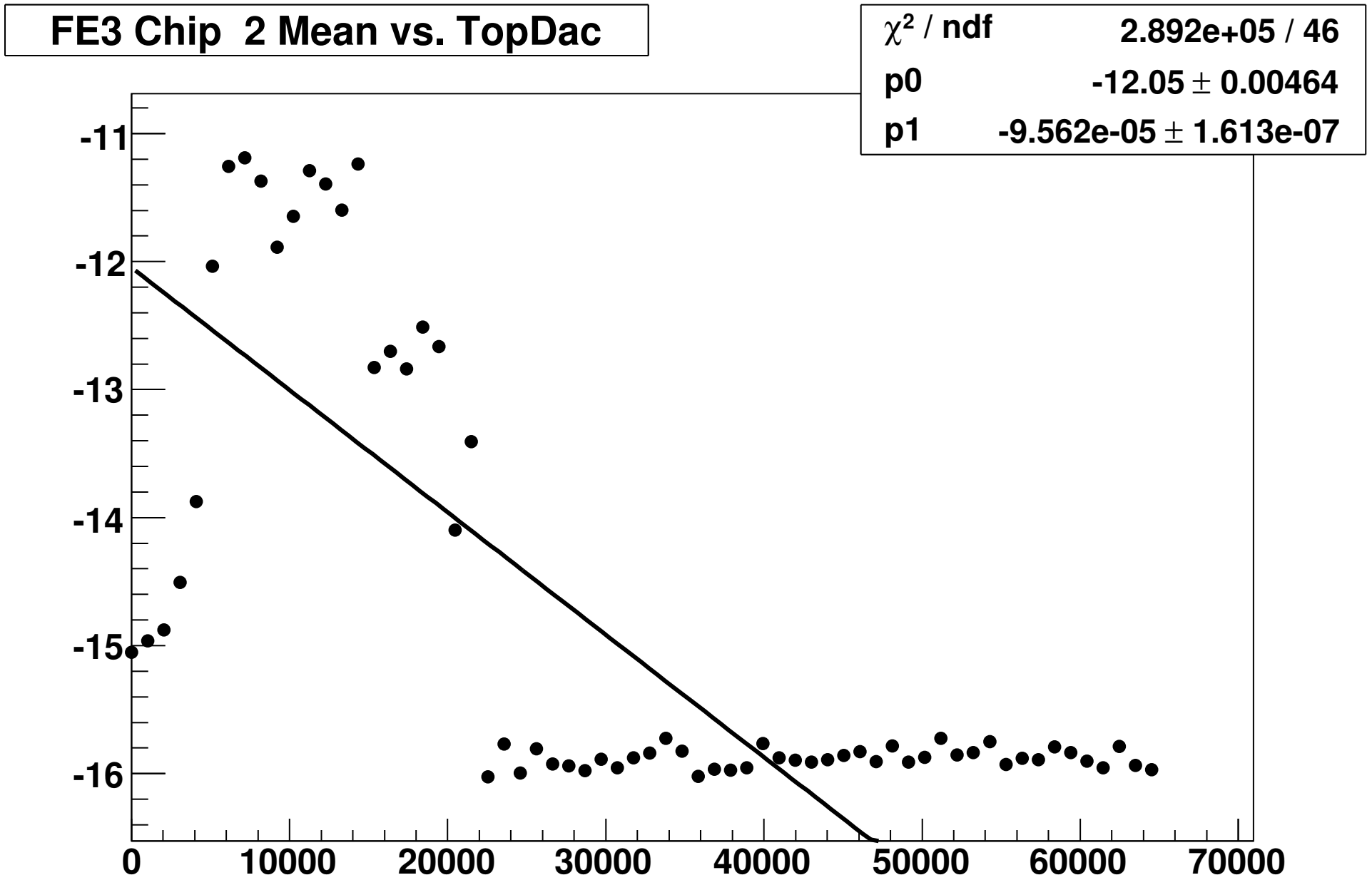

FE3 Chip 1 Rms vs. BotDac
χ² / ndf 3.151e+05 / 46
p0 1.946 ± 0.002627
p1 2.087e-14 ± 7.966e-07
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

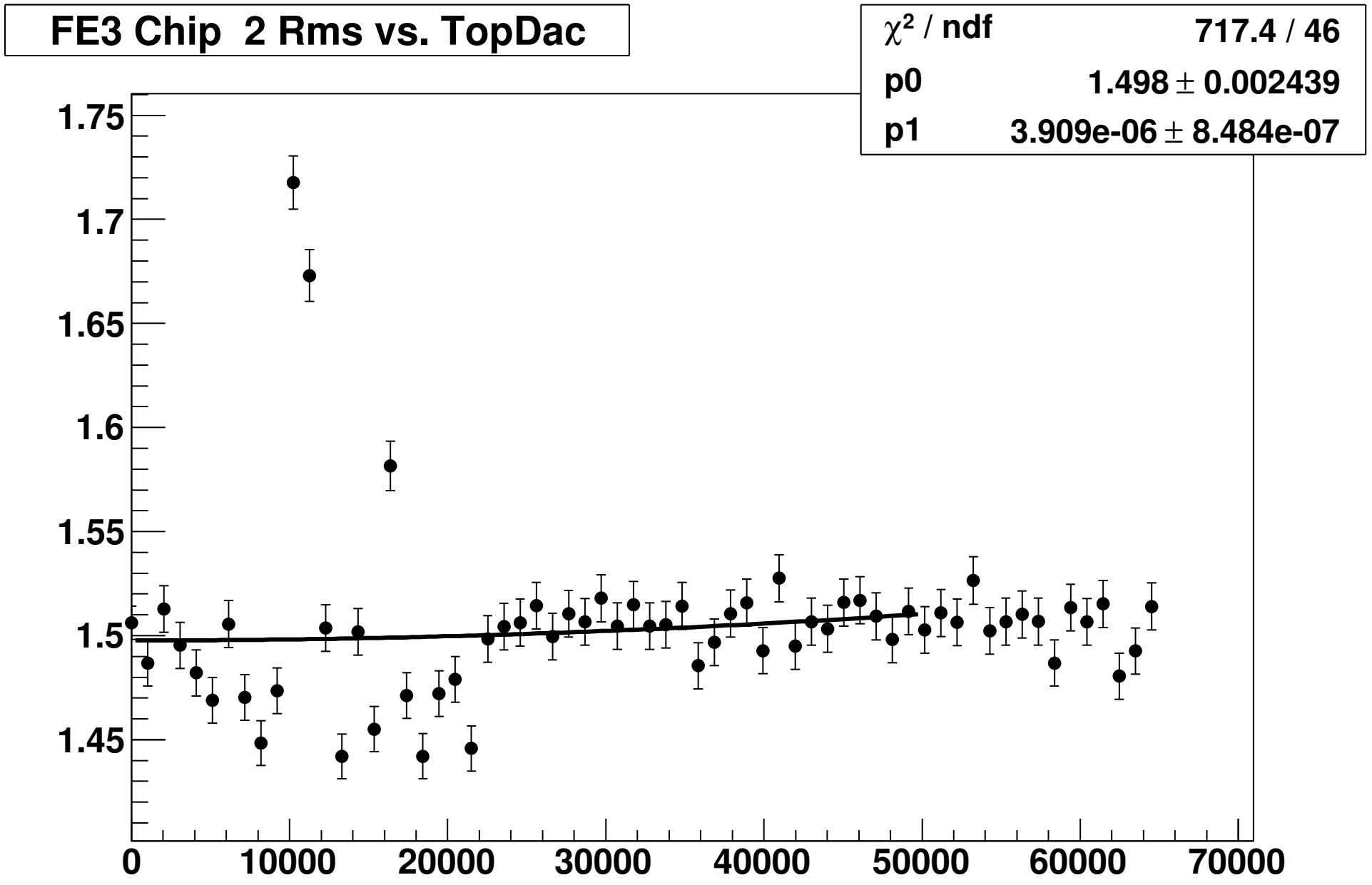

FE3 Chip 1 Mean vs. TopDac
χ² / ndf 2.974e+05 / 46
p0 -15.47 ± 0.004684
p1 -9.255e-05 ± 1.607e-07
-14
-15
-16
-17
-18
-19
0
10000
20000
30000
40000
50000
60000
70000

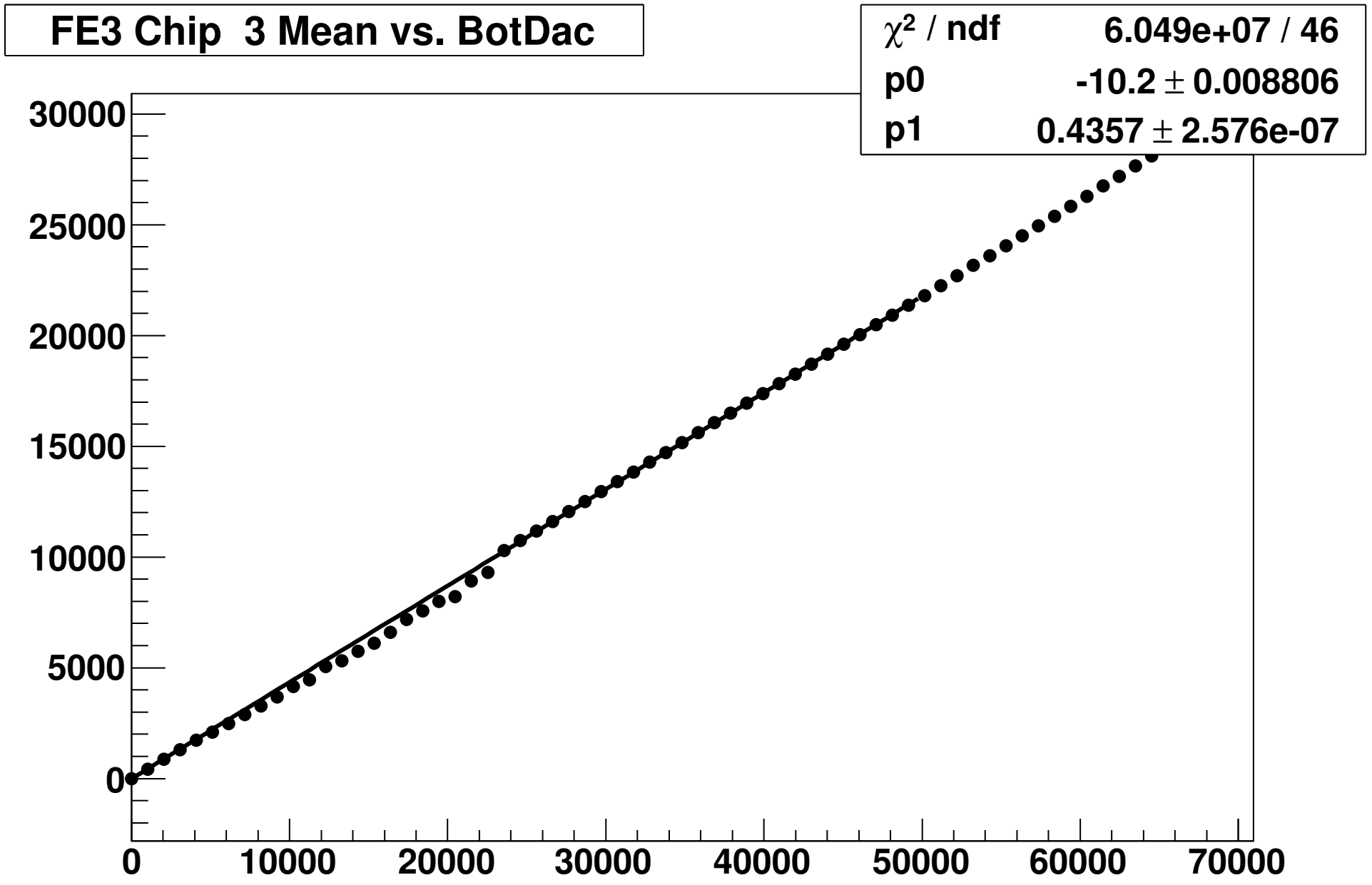

FE3 Chip 1 Rms vs. TopDac
χ² / ndf 1256 / 46
p0 1.498 ± 0.001613
p1 -6.275e-14 ± 5.421e-07
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

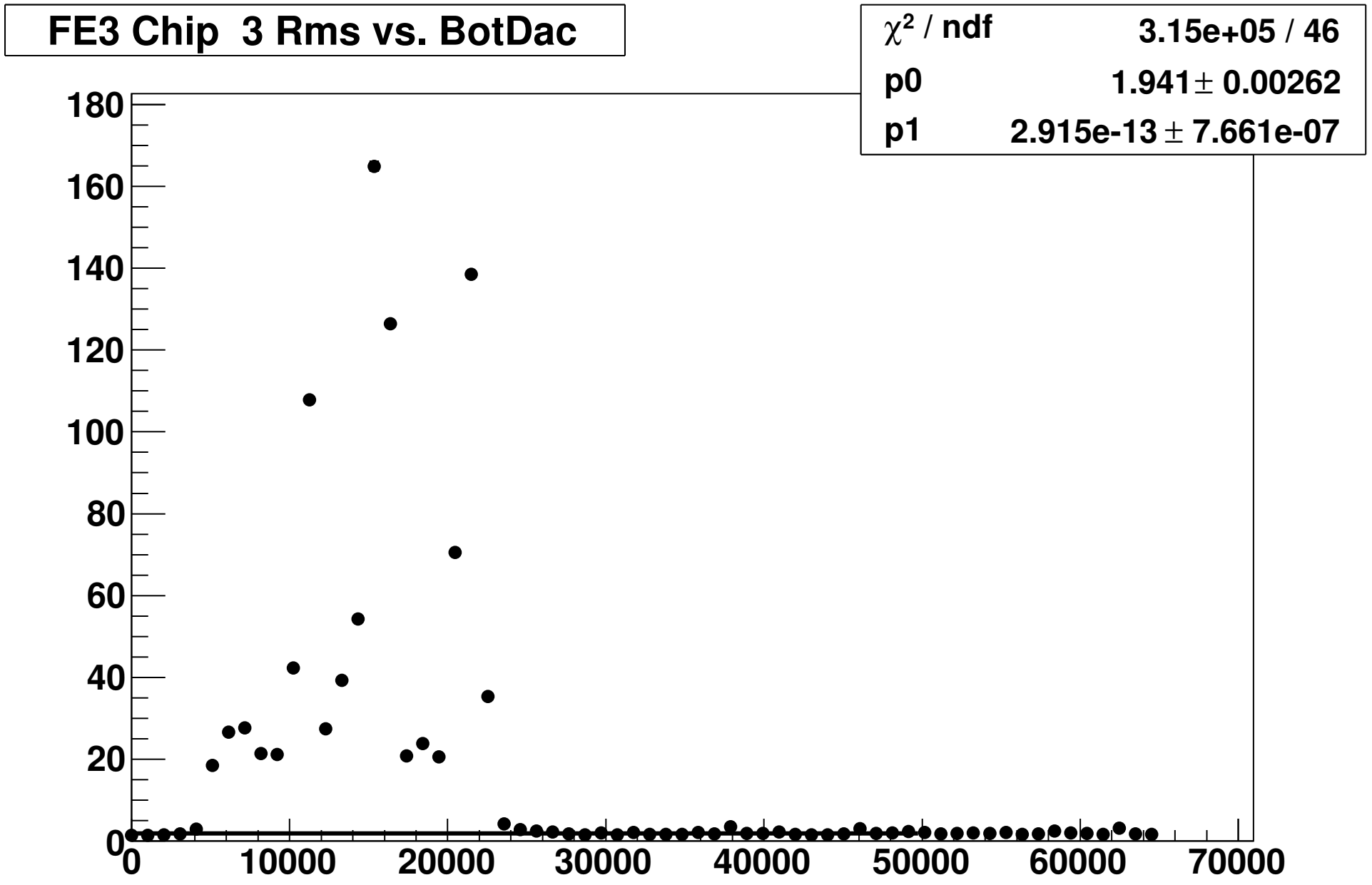

FE3 Chip 2 Mean vs. BotDac
χ² / ndf 5.945e+07 / 46
p0 -7.567 ± 0.008845
p1 0.4357 ± 2.592e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

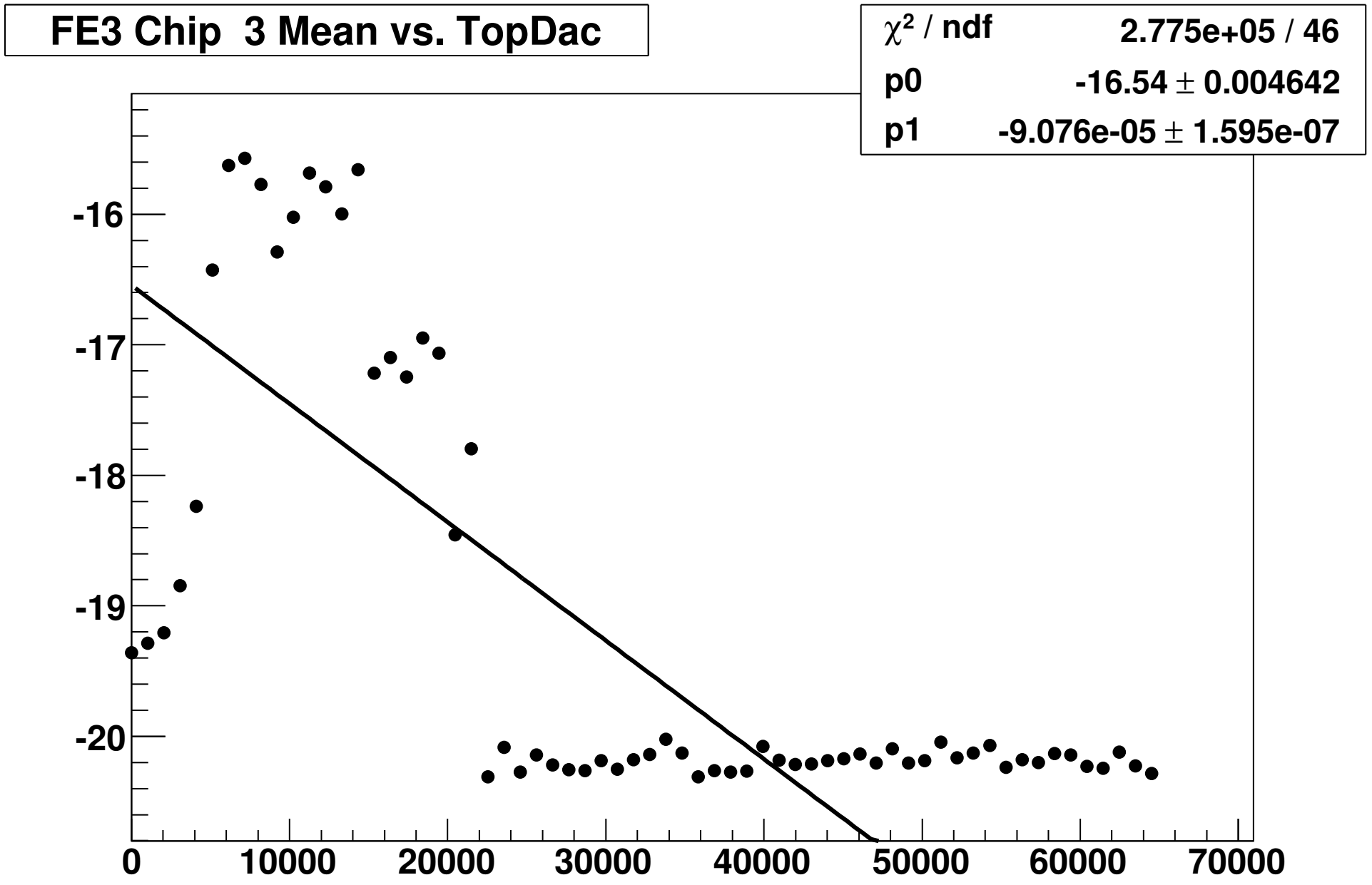

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 3.147e+05 / 46
p0 1.955 ± 0.002639
p1 1.351e-12 ± 8.453e-07
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

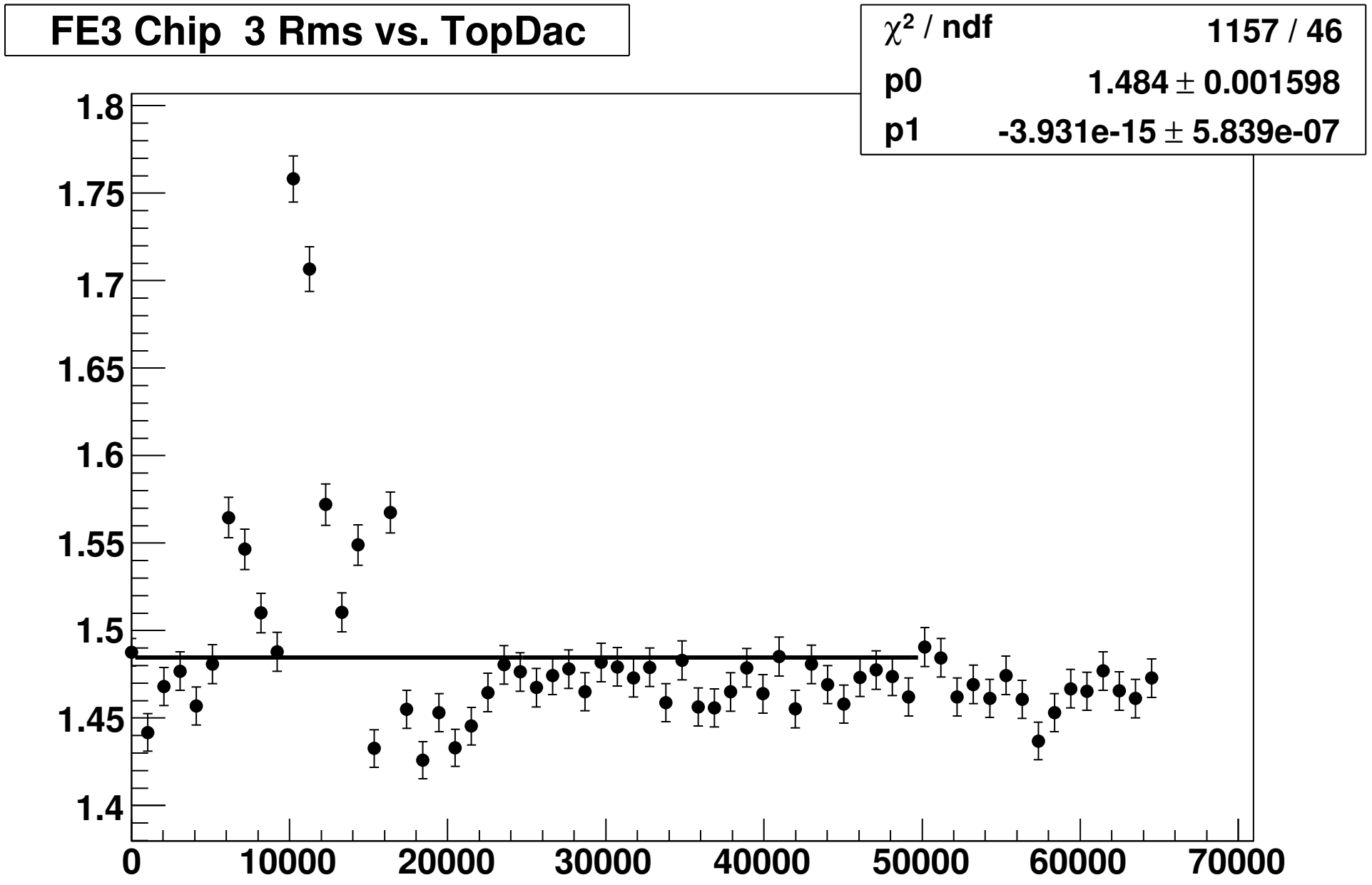

FE3 Chip 2 Mean vs. TopDac
χ² / ndf 2.892e+05 / 46
p0 -12.05 ± 0.00464
p1 -9.562e-05 ± 1.613e-07
-11
-12
-13
-14
-15
-16
0
10000
20000
30000
40000
50000
60000
70000

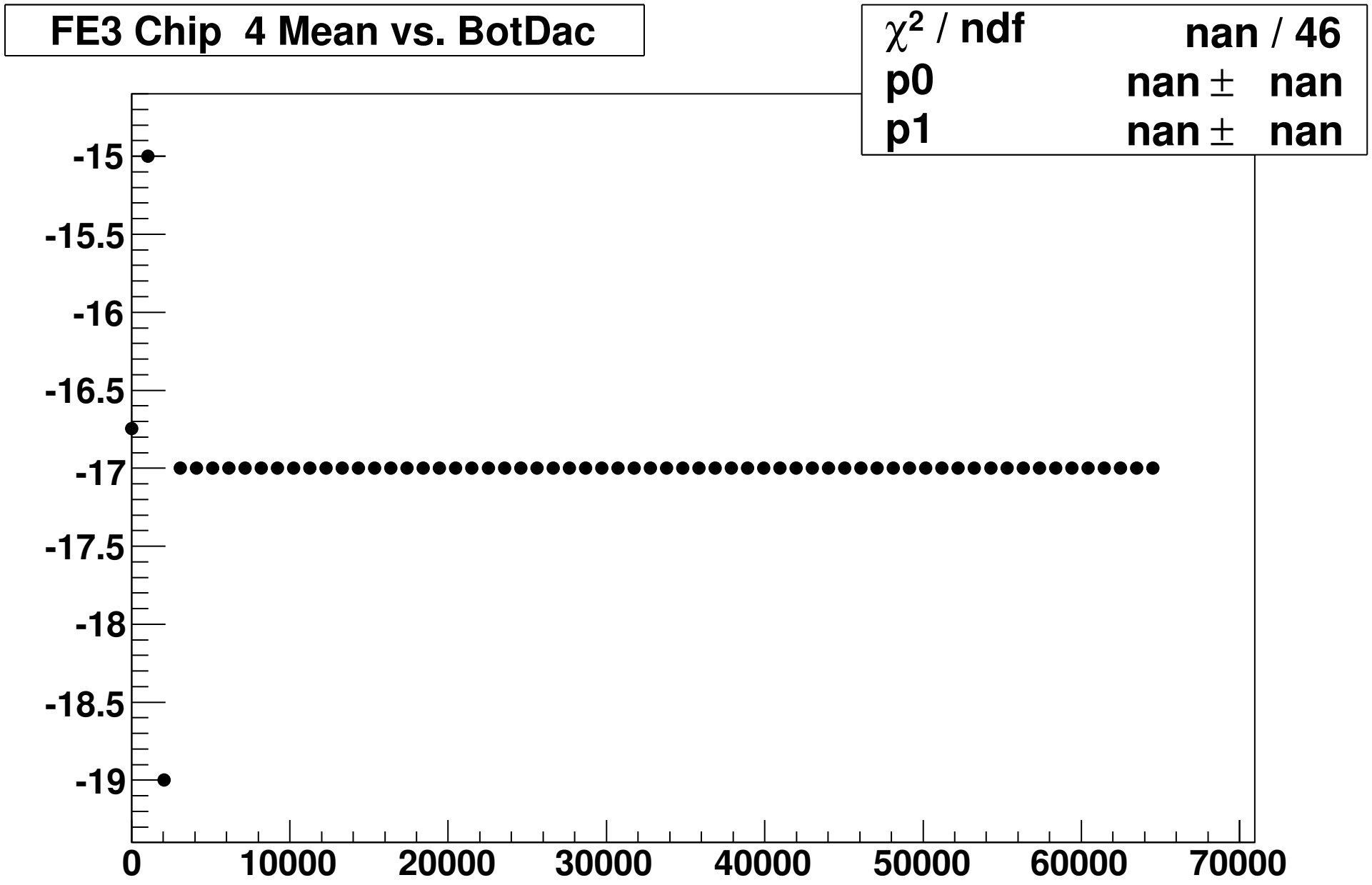

FE3 Chip 2 Rms vs. TopDac
χ² / ndf 717.4 / 46
p0 1.498 ± 0.002439
p1 3.909e-06 ± 8.484e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

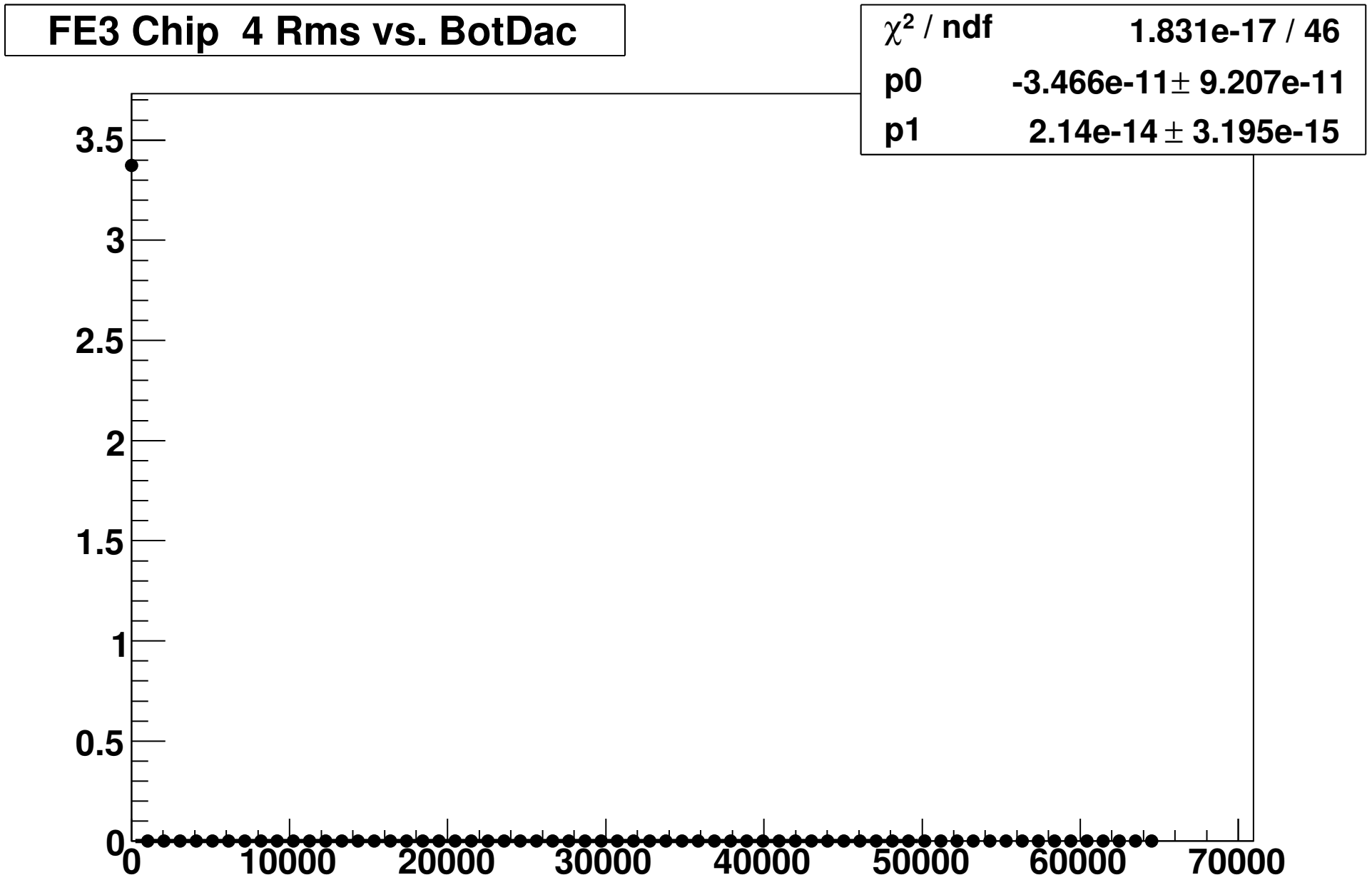

FE3 Chip 3 Mean vs. BotDac
χ² / ndf 6.049e+07 / 46
p0 -10.2 ± 0.008806
p1 0.4357 ± 2.576e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

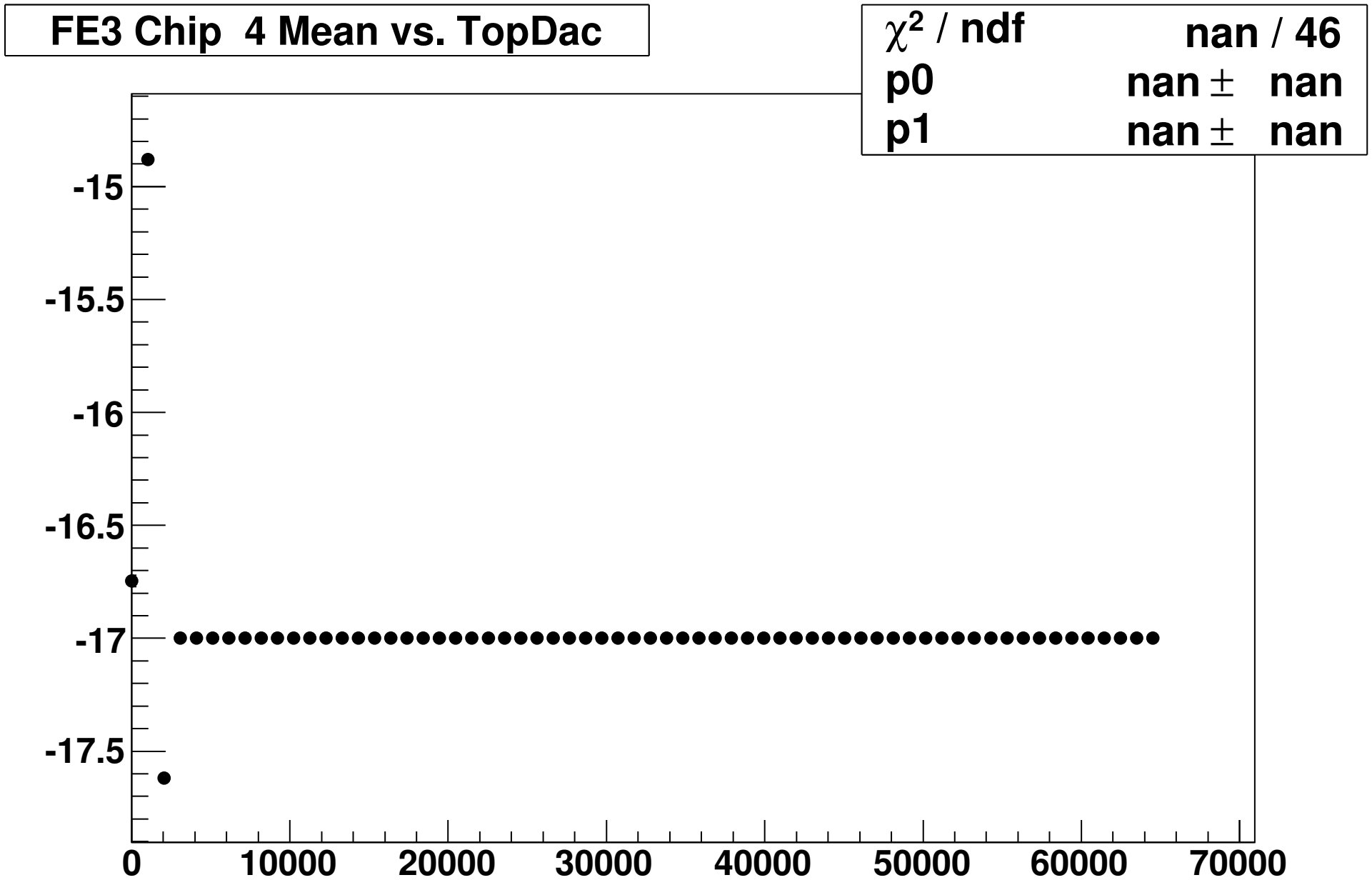

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 3.15e+05 / 46
p0 1.941 ± 0.00262
p1 2.915e-13 ± 7.661e-07
180
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

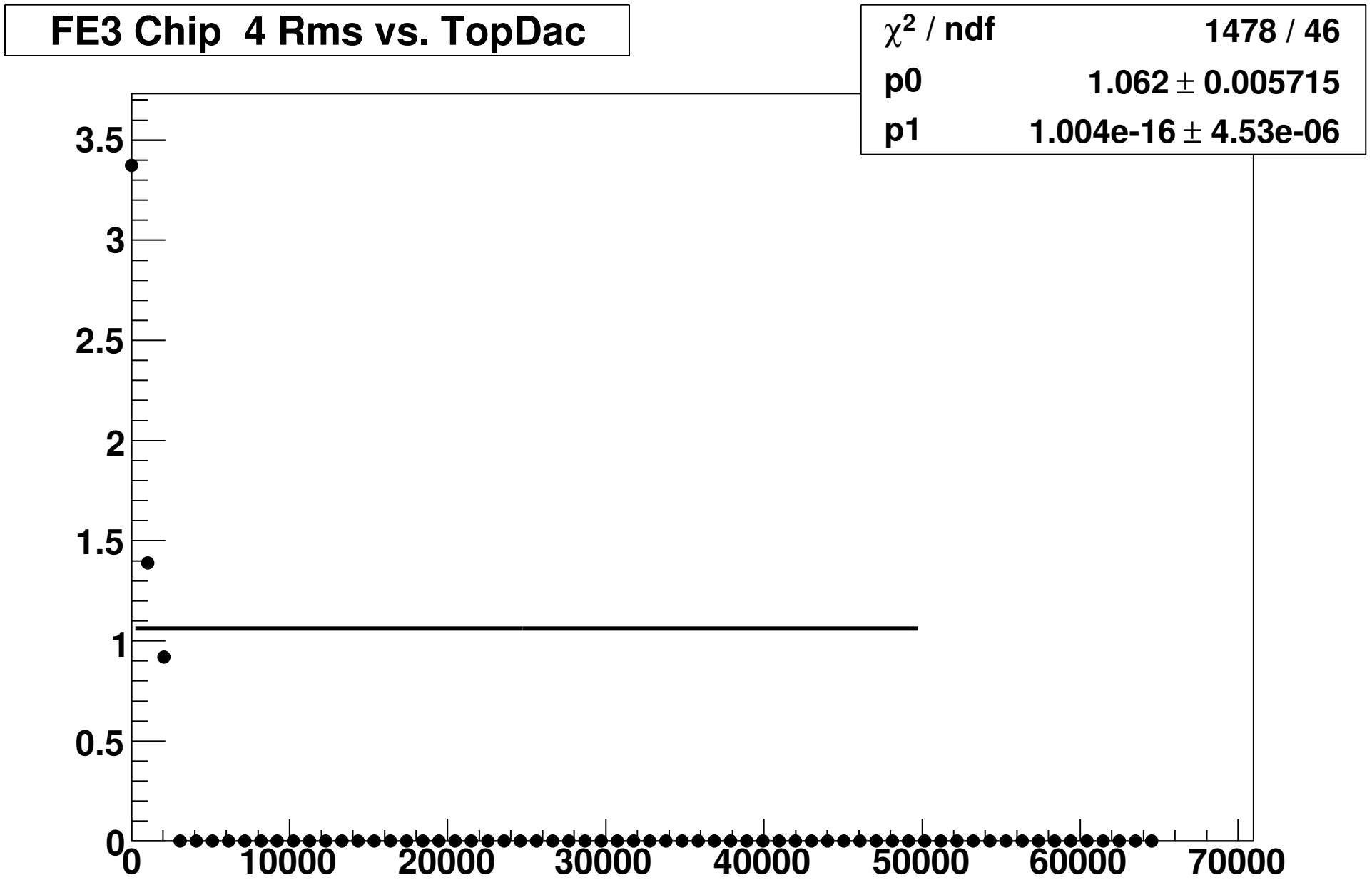

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 2.775e+05 / 46
p0 -16.54 ± 0.004642
p1 -9.076e-05 ± 1.595e-07
-16
-17
-18
-19
-20
0
10000
20000
30000
40000
50000
60000
70000

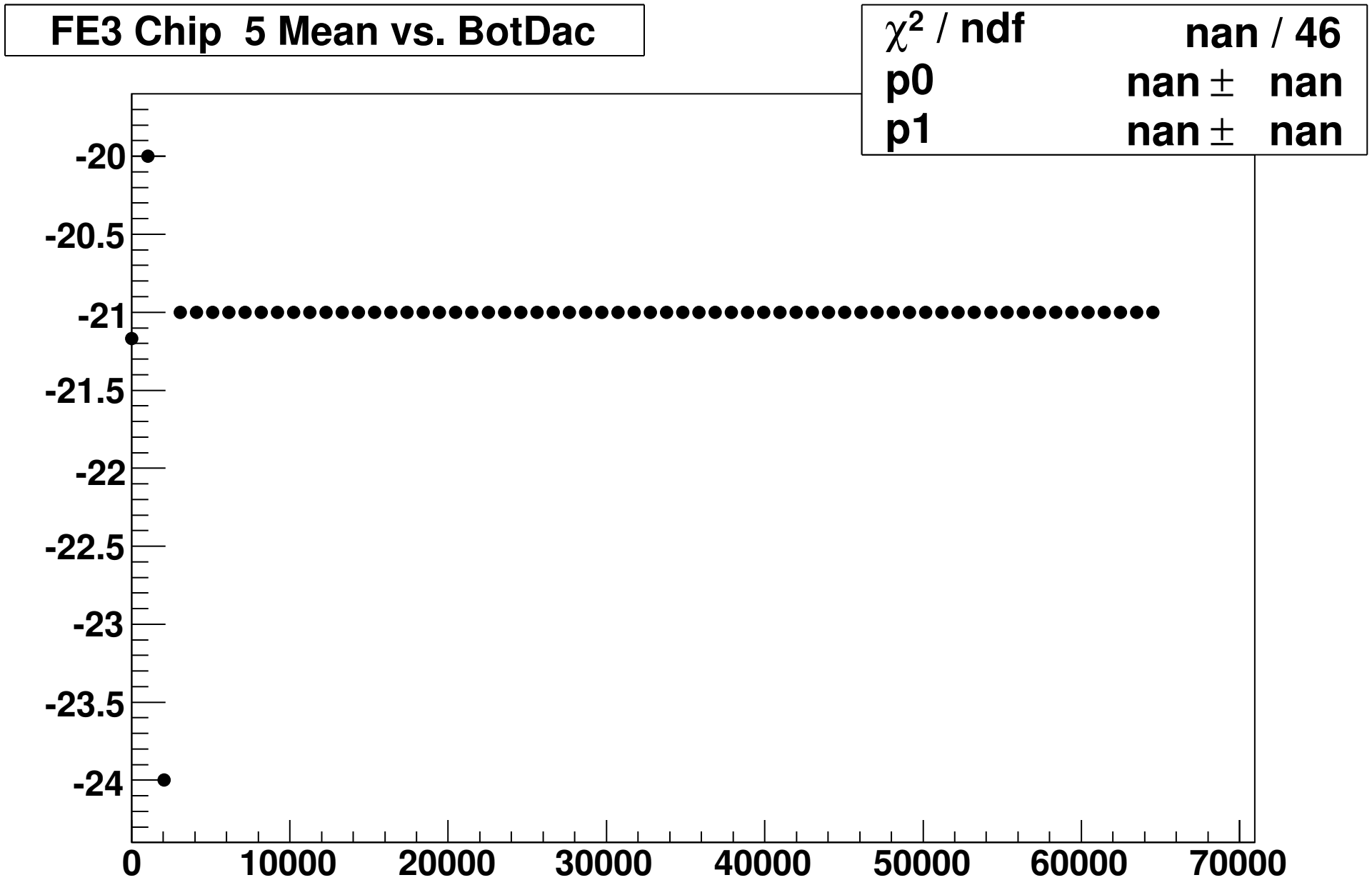

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 1157 / 46
p0 1.484 ± 0.001598
p1 -3.931e-15 ± 5.839e-07
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

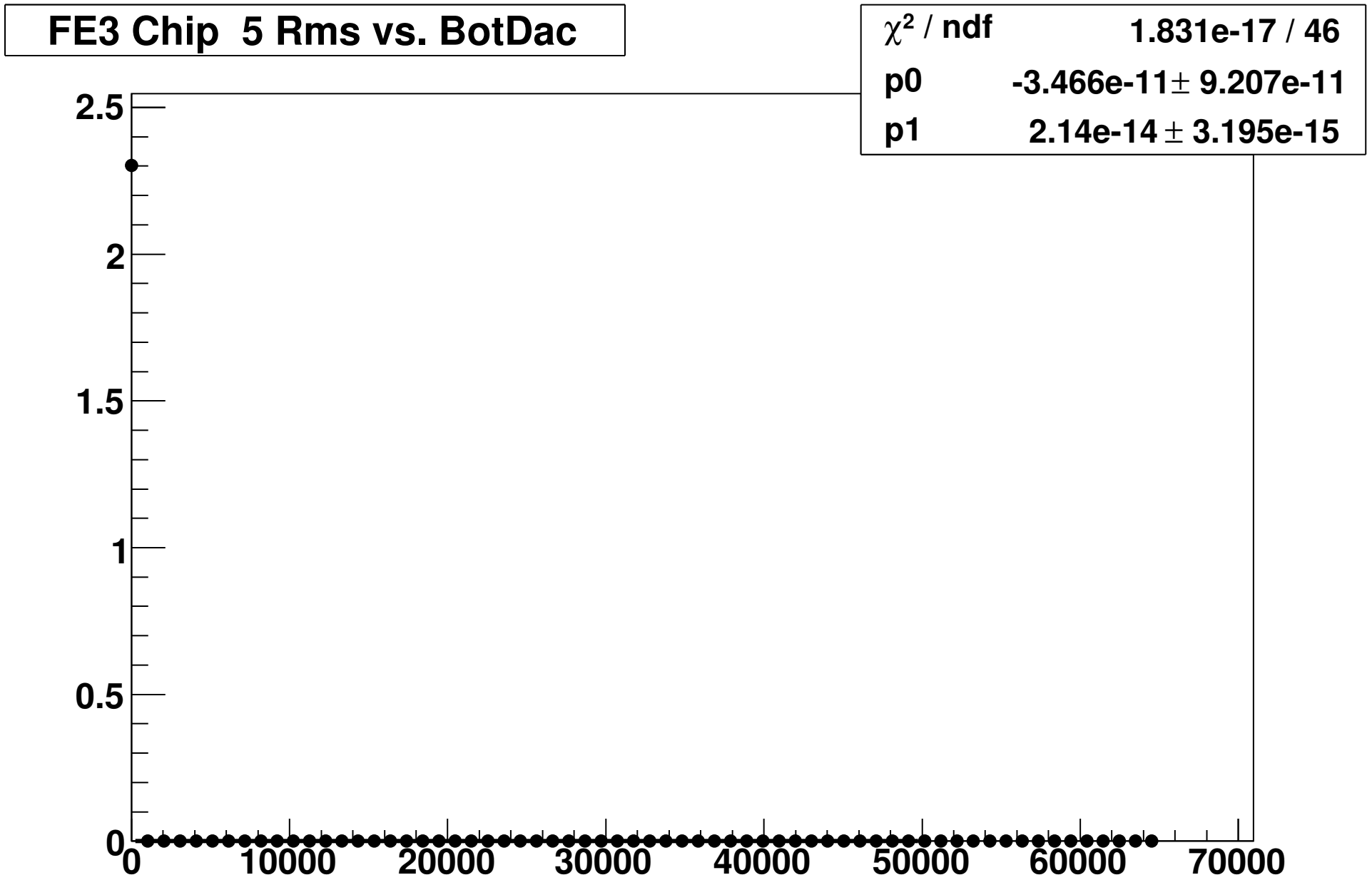

FE3 Chip 4 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
-15
-15.5
-16
-16.5
-17
-17.5
-18
-18.5
-19
0
10000
20000
30000
40000
50000
60000
70000

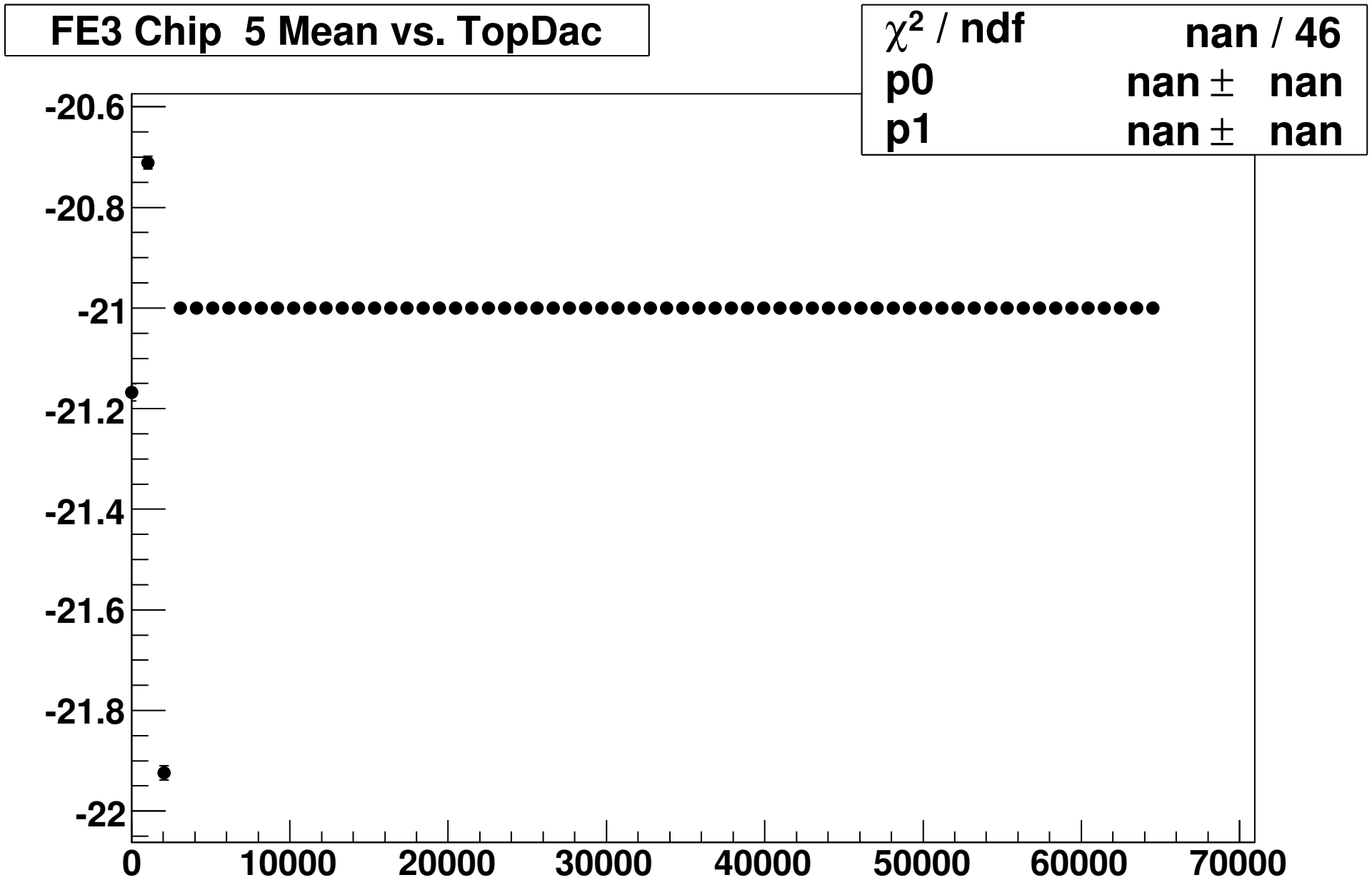

FE3 Chip 4 Rms vs. BotDac
χ² / ndf 1.831e-17 / 46
p0 -3.466e-11 ± 9.207e-11
p1 2.14e-14 ± 3.195e-15
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

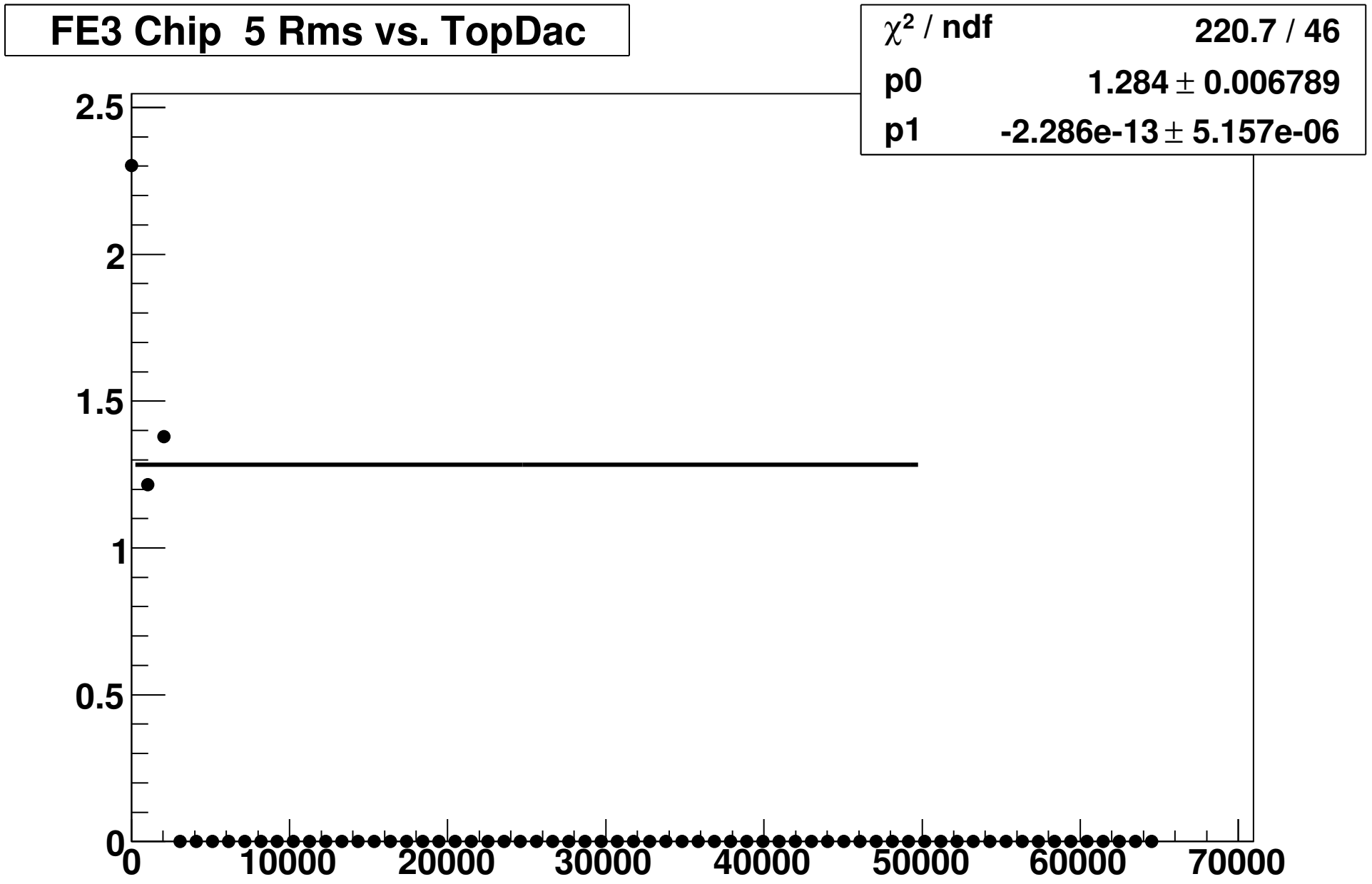

FE3 Chip 4 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
-15
-15.5
-16
-16.5
-17
-17.5
0
10000
20000
30000
40000
50000
60000
70000

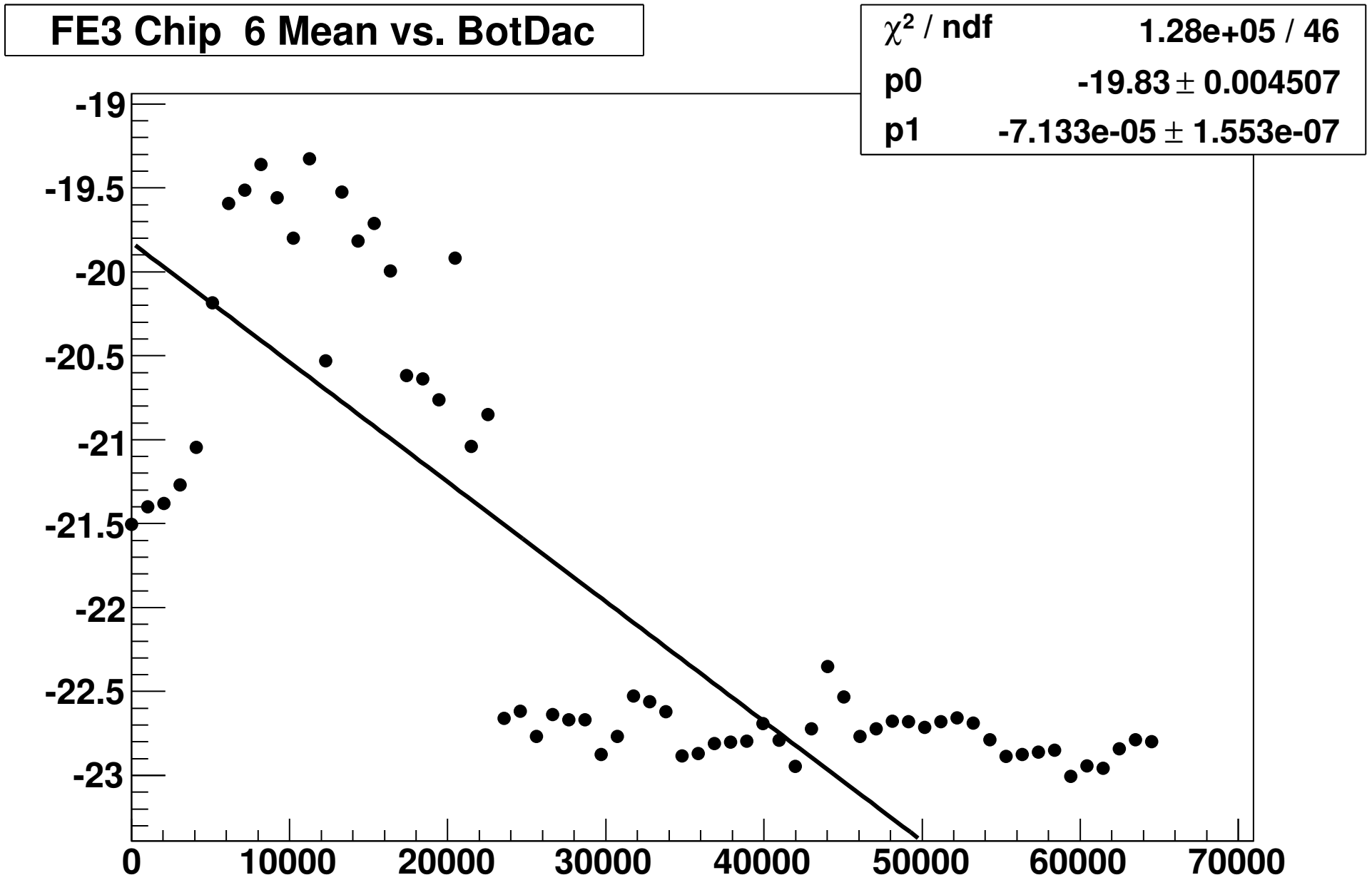

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 1478 / 46
p0 1.062 ± 0.005715
p1 1.004e-16 ± 4.53e-06
3.5
3
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

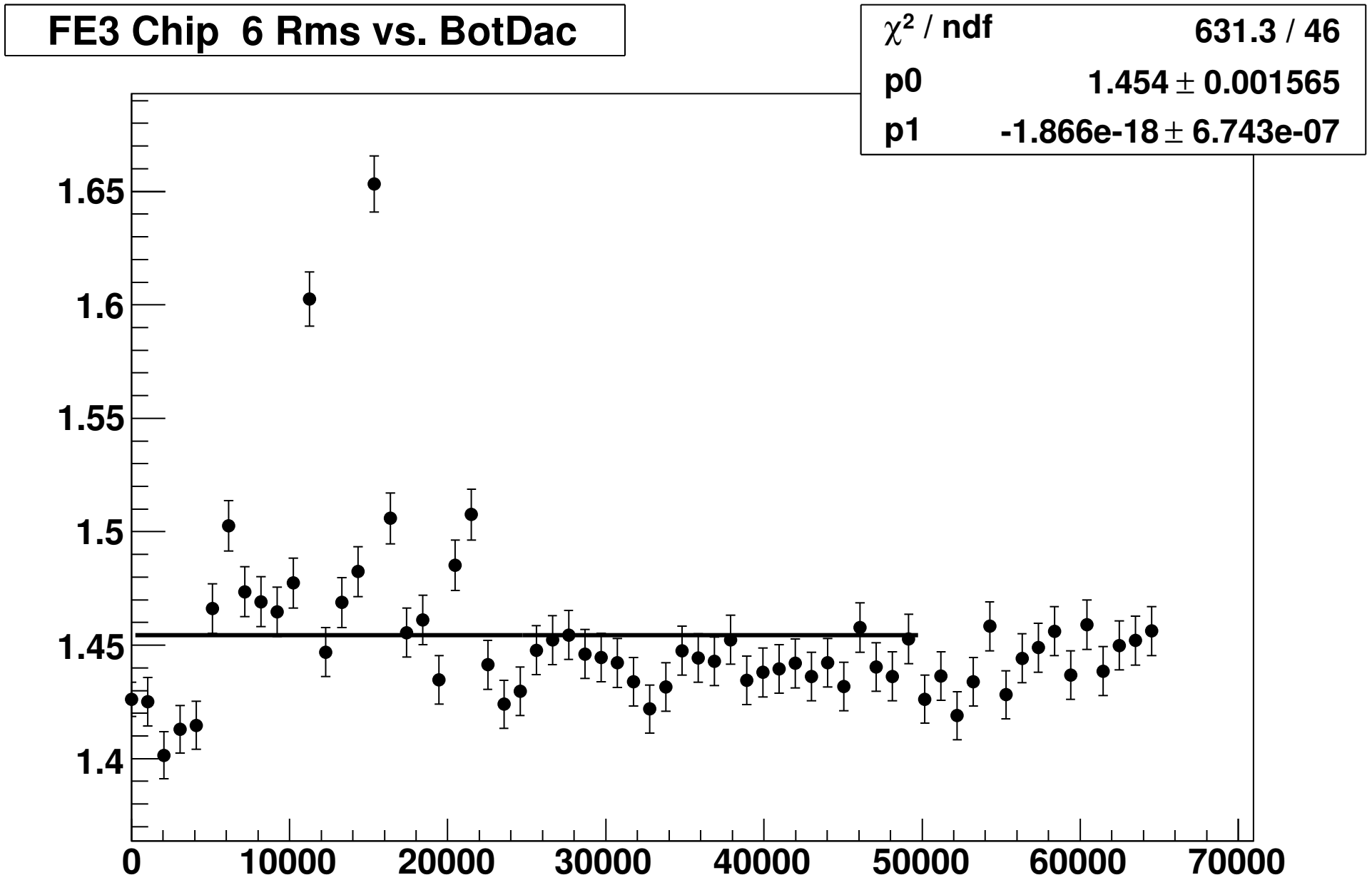

FE3 Chip 5 Mean vs. BotDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
-20
-20.5
-21
-21.5
-22
-22.5
-23
-23.5
-24
0
10000
20000
30000
40000
50000
60000
70000

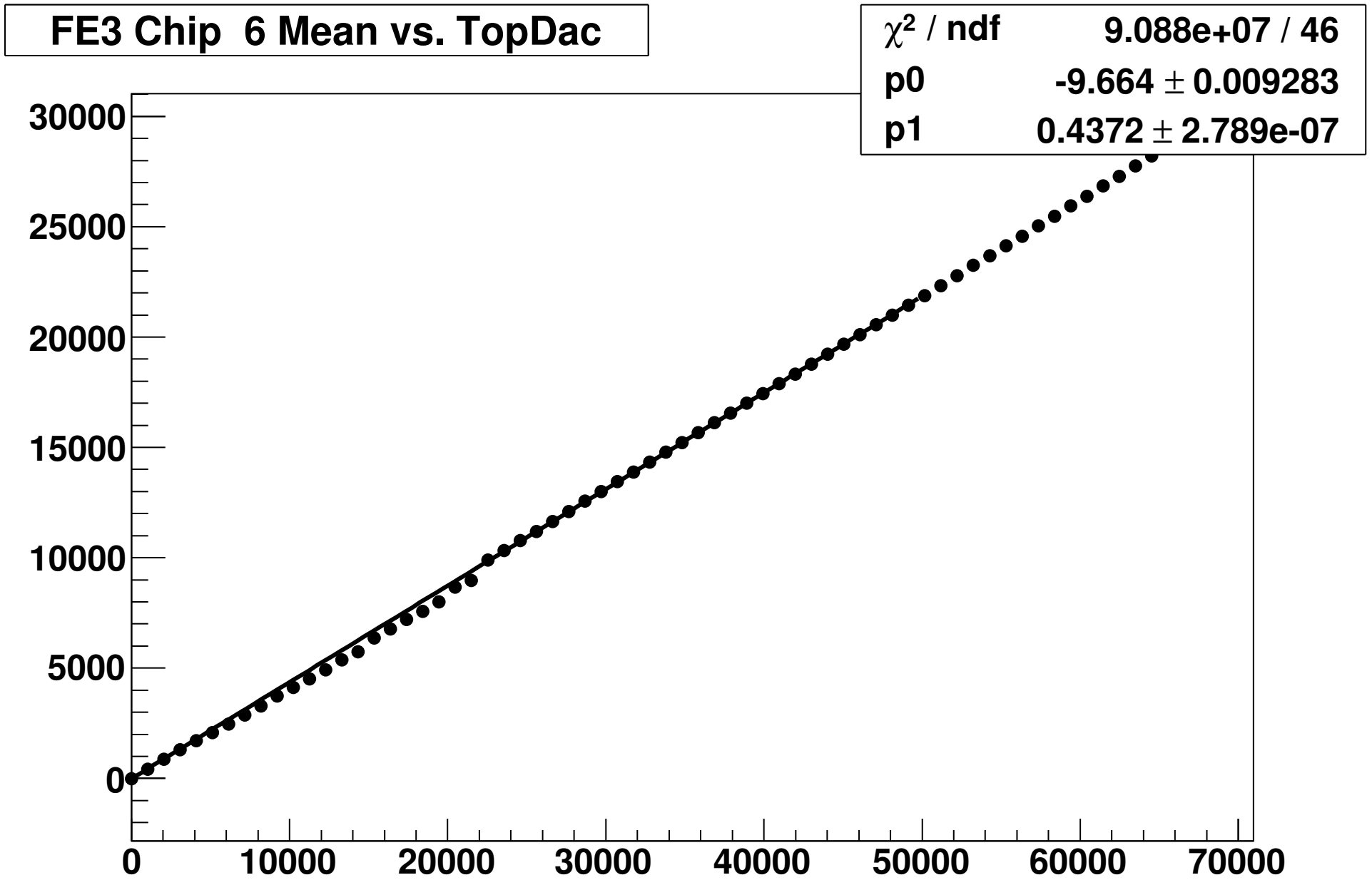

FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1.831e-17 / 46
p0 -3.466e-11 ± 9.207e-11
p1 2.14e-14 ± 3.195e-15
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

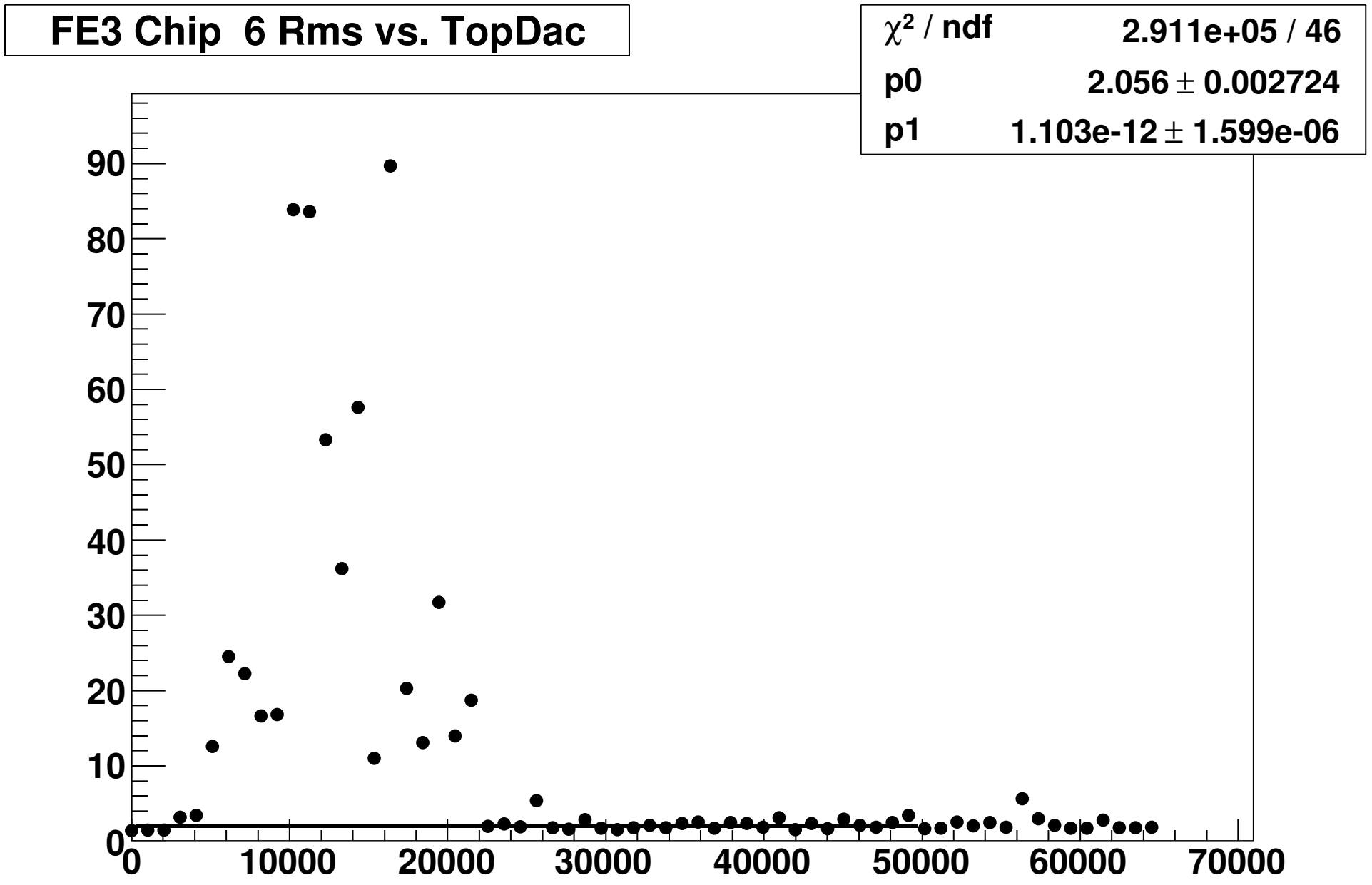

FE3 Chip 5 Mean vs. TopDac
χ² / ndf nan / 46
p0 nan ± nan
p1 nan ± nan
-20.6
-20.8
-21
-21.2
-21.4
-21.6
-21.8
-22
0
10000
20000
30000
40000
50000
60000
70000

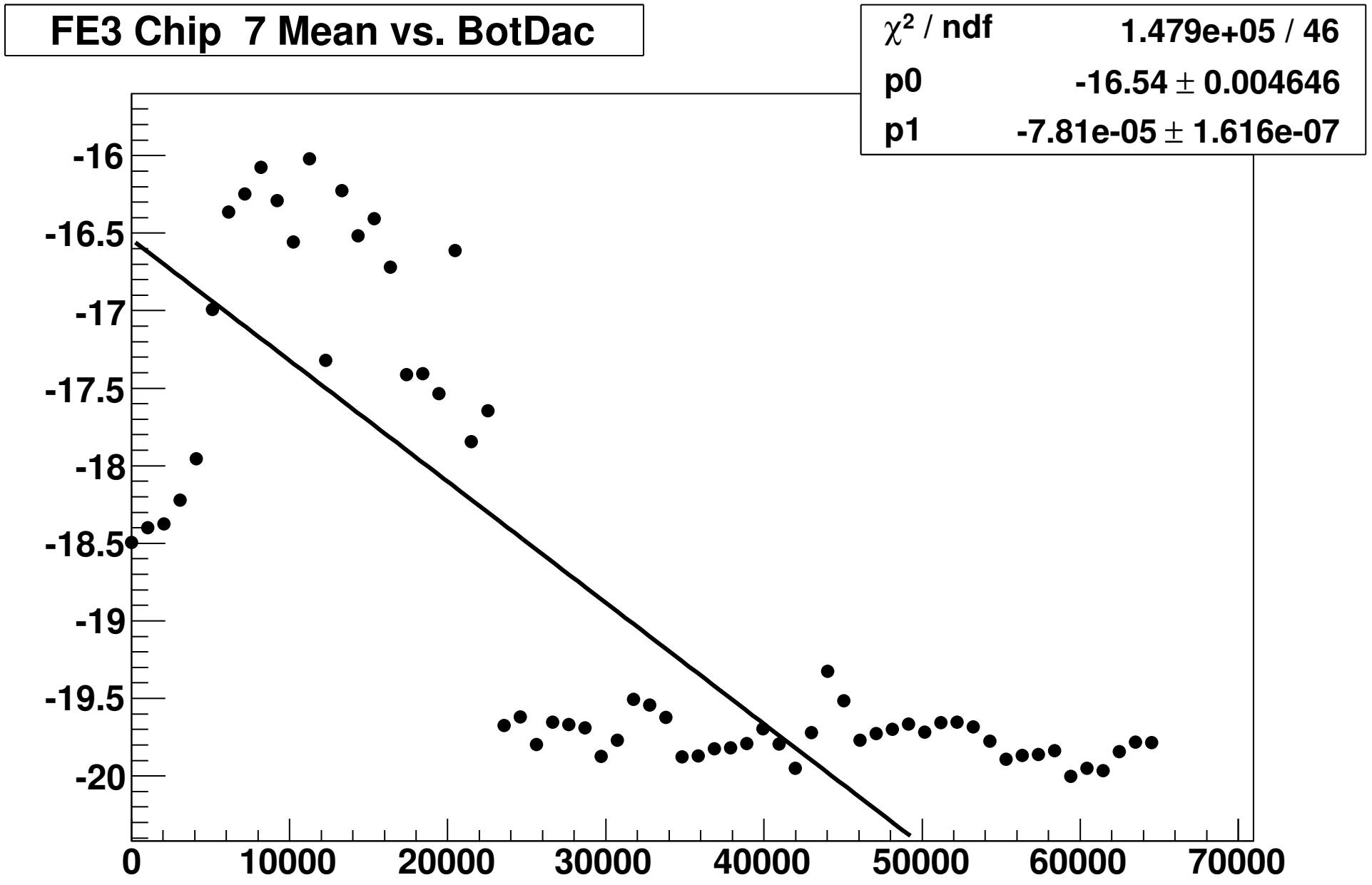

FE3 Chip 5 Rms vs. TopDac
χ² / ndf 220.7 / 46
p0 1.284 ± 0.006789
p1 -2.286e-13 ± 5.157e-06
2.5
2
1.5
1
0.5
0
0
10000
20000
30000
40000
50000
60000
70000

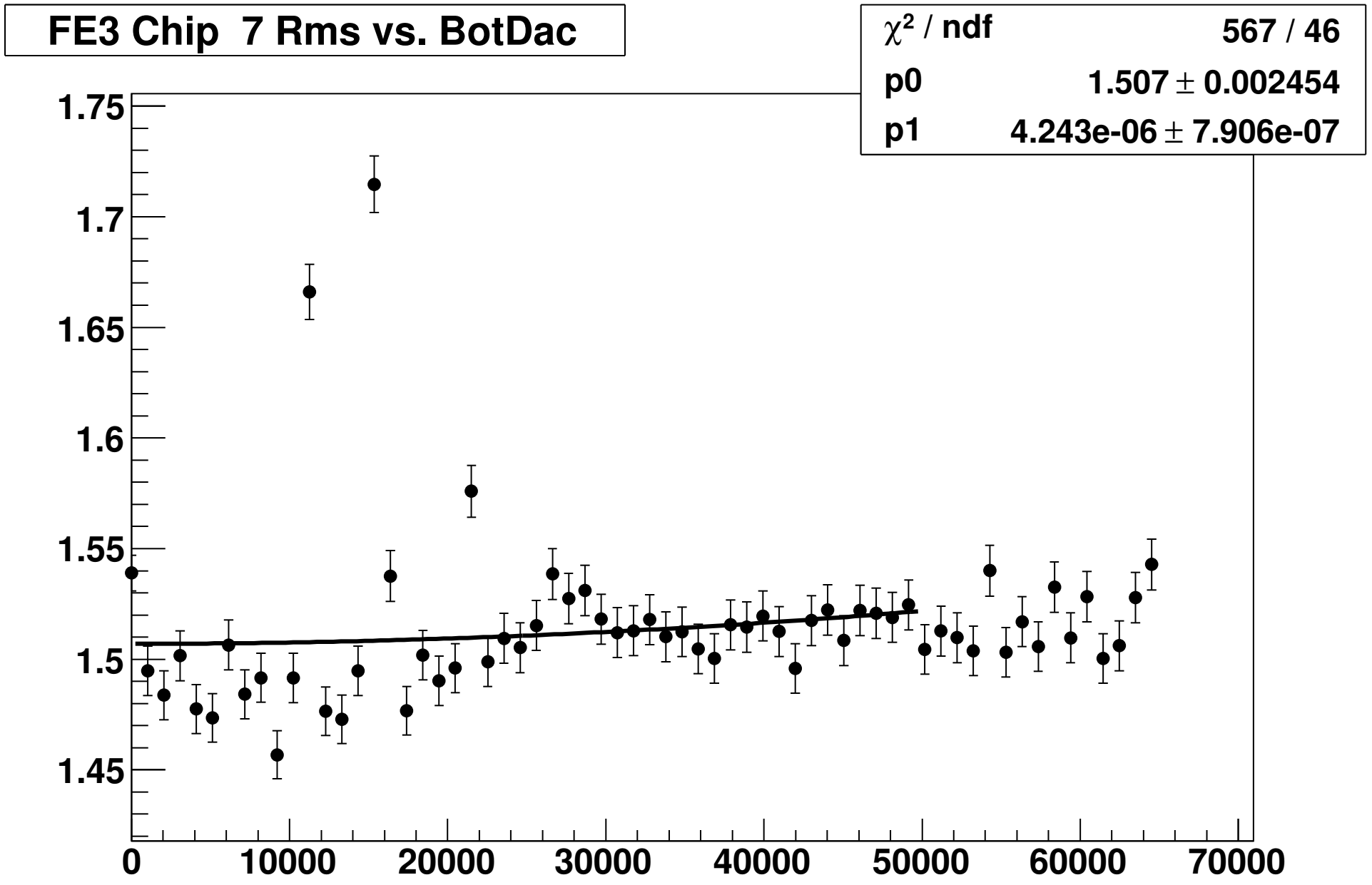

FE3 Chip 6 Mean vs. BotDac
χ² / ndf 1.28e+05 / 46
p0 -19.83 ± 0.004507
p1 -7.133e-05 ± 1.553e-07
-19
-19.5
-20
-20.5
-21
-21.5
-22
-22.5
-23
0
10000
20000
30000
40000
50000
60000
70000

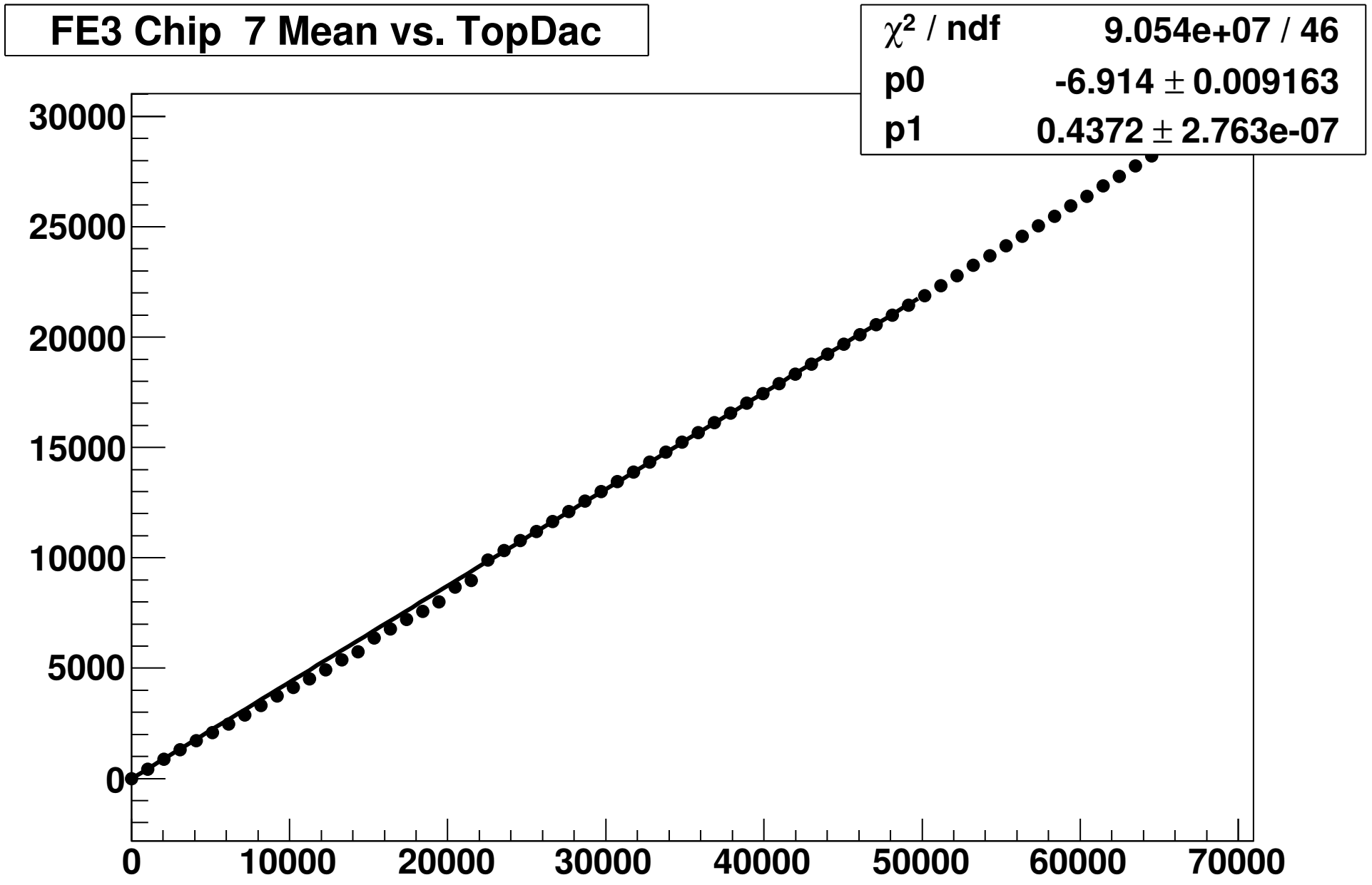

FE3 Chip 6 Rms vs. BotDac
χ² / ndf 631.3 / 46
p0 1.454 ± 0.001565
p1 -1.866e-18 ± 6.743e-07
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

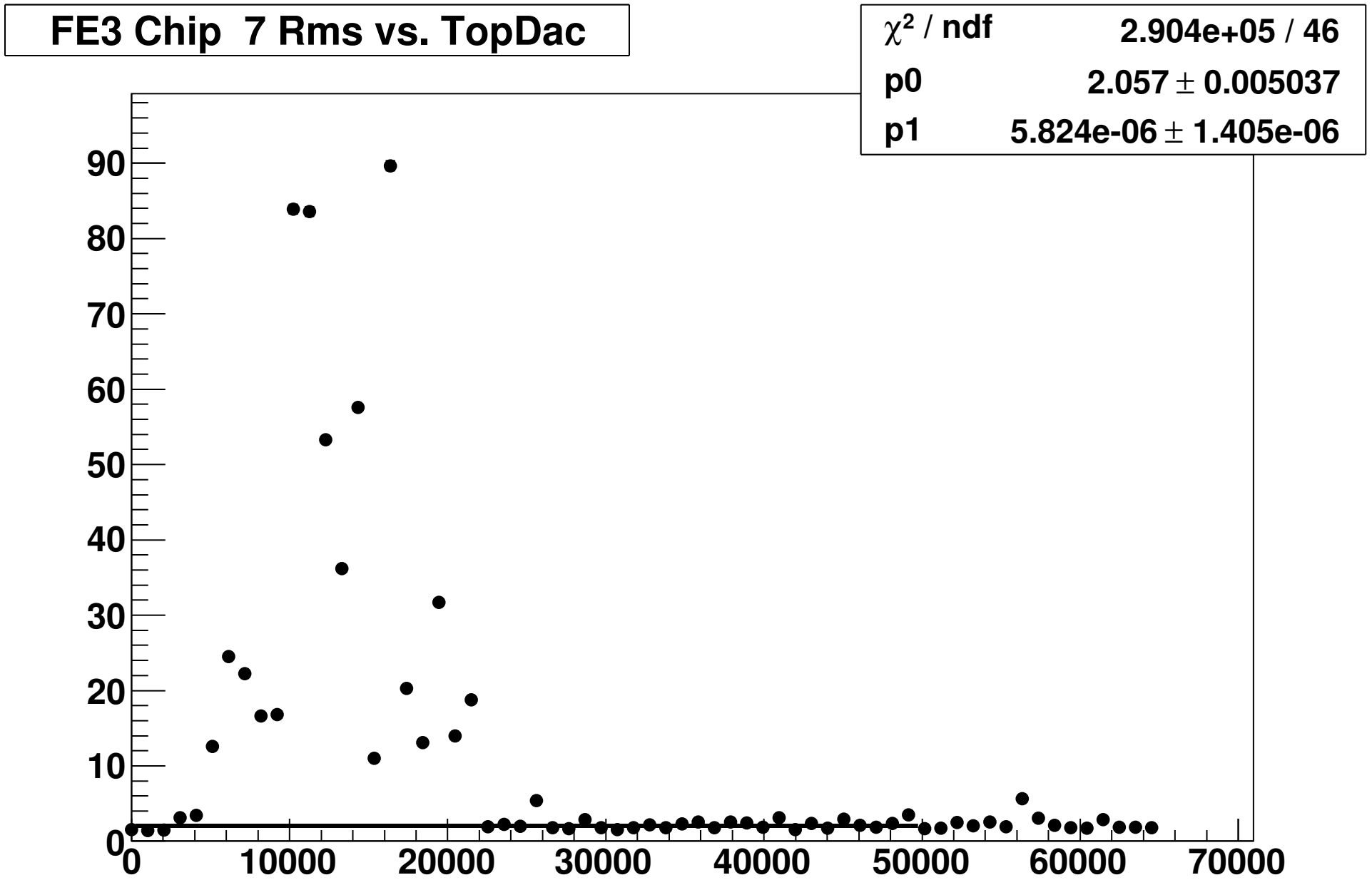

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 9.088e+07 / 46
p0 -9.664 ± 0.009283
p1 0.4372 ± 2.789e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

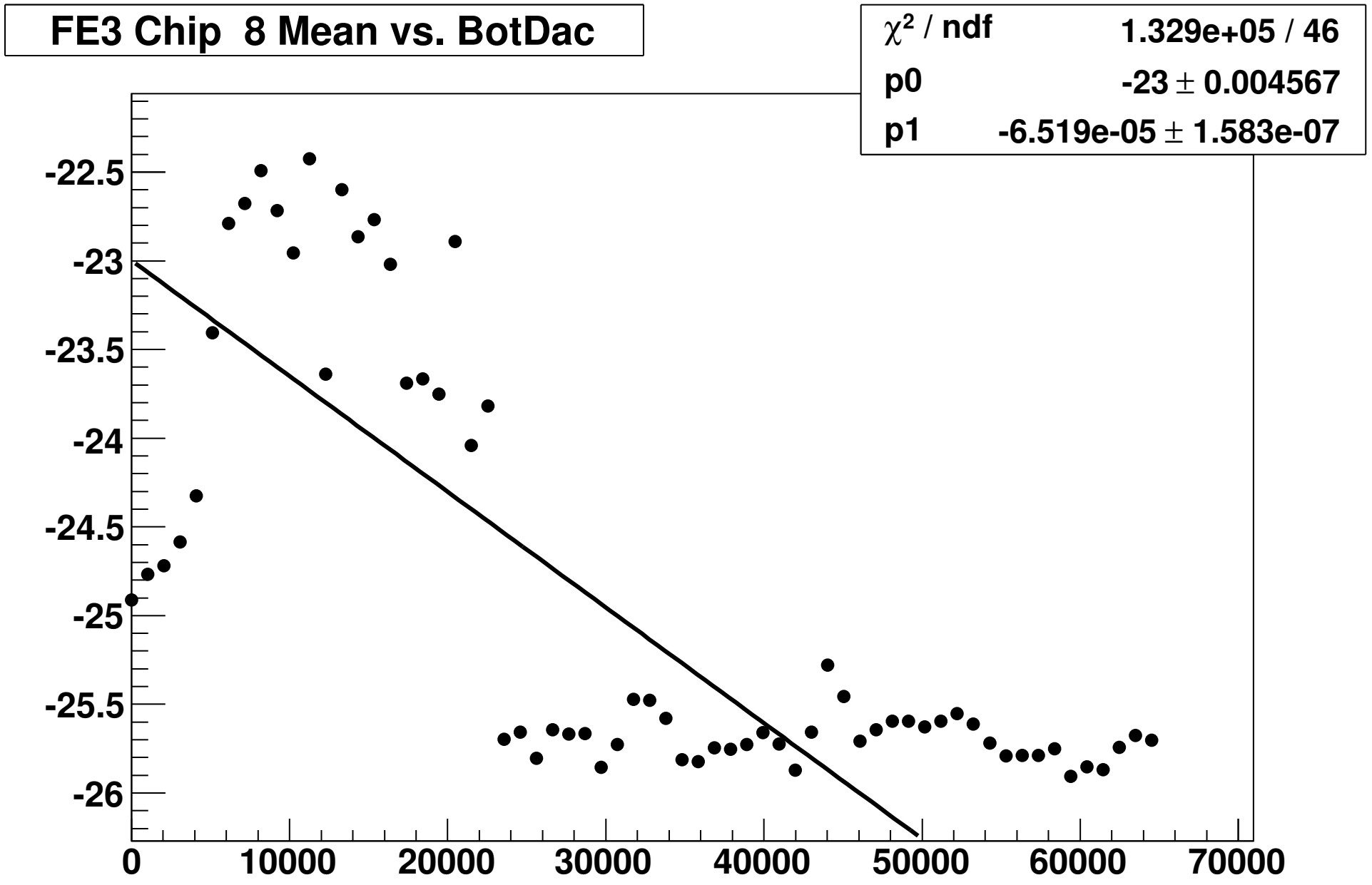

FE3 Chip 6 Rms vs. TopDac
χ² / ndf 2.911e+05 / 46
p0 2.056 ± 0.002724
p1 1.103e-12 ± 1.599e-06
90
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

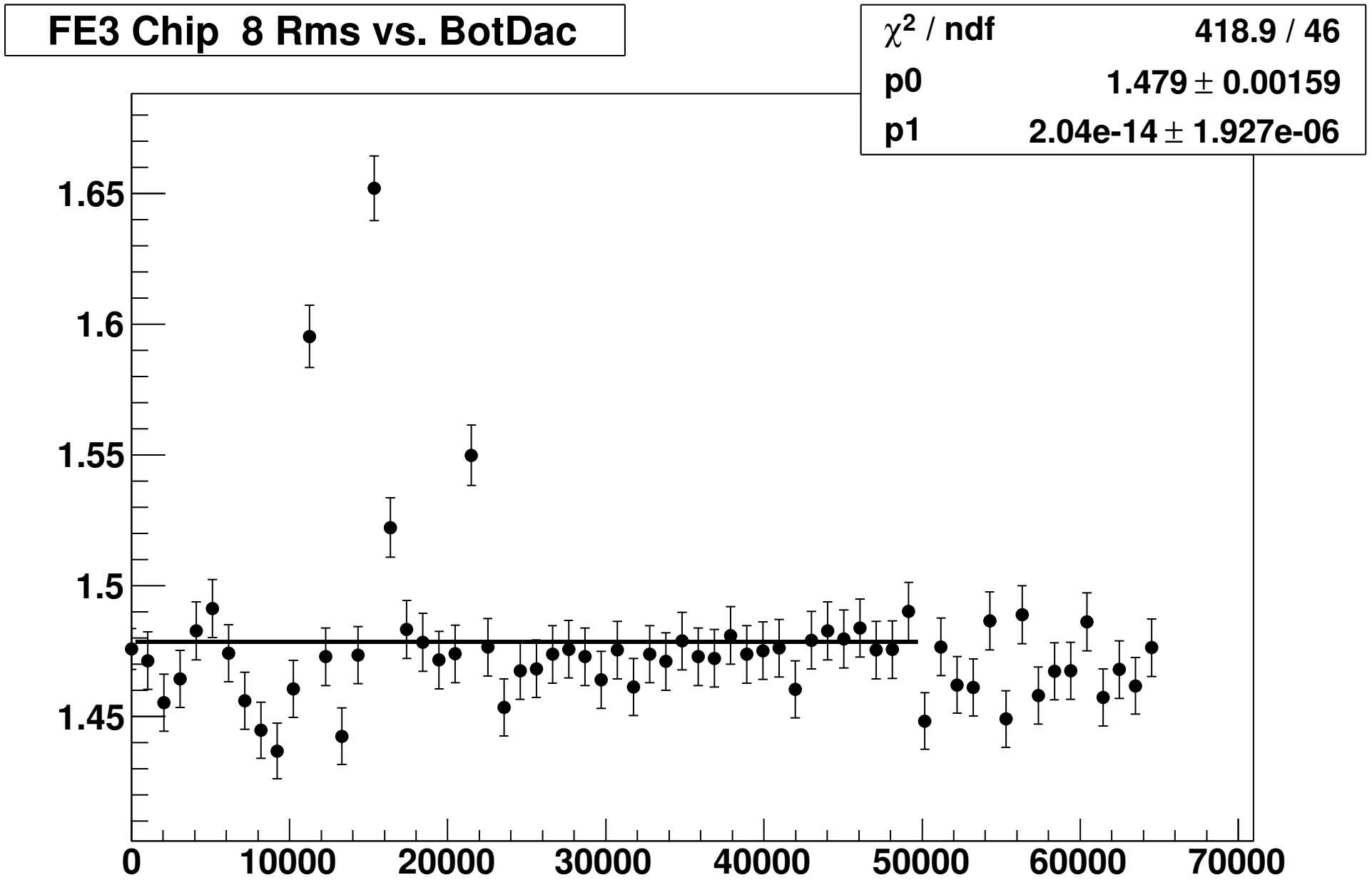

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 1.479e+05 / 46
p0 -16.54 ± 0.004646
p1 -7.81e-05 ± 1.616e-07
-16
-16.5
-17
-17.5
-18
-18.5
-19
-19.5
-20
0
10000
20000
30000
40000
50000
60000
70000

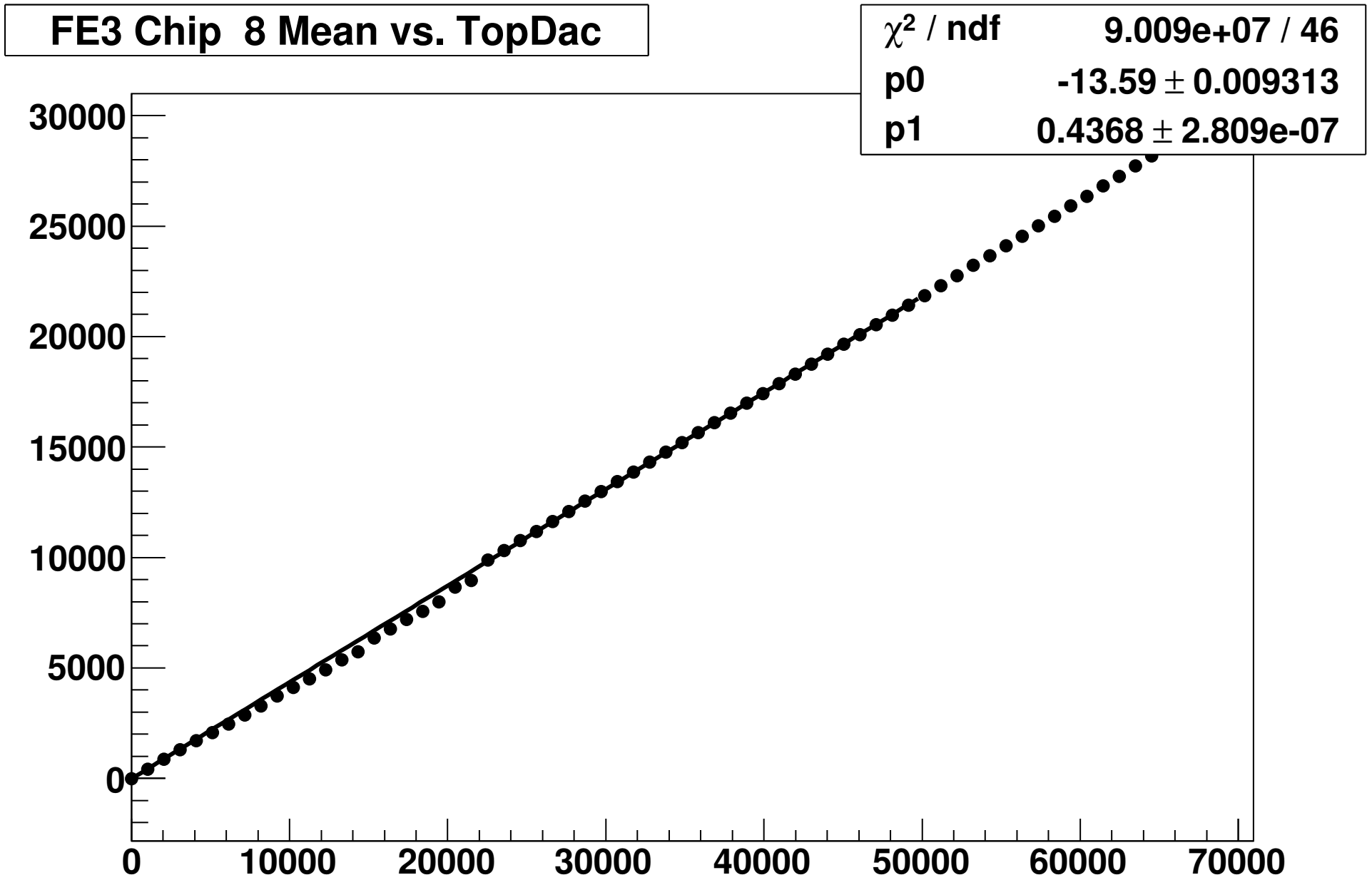

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 567 / 46
p0 1.507 ± 0.002454
p1 4.243e-06 ± 7.906e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

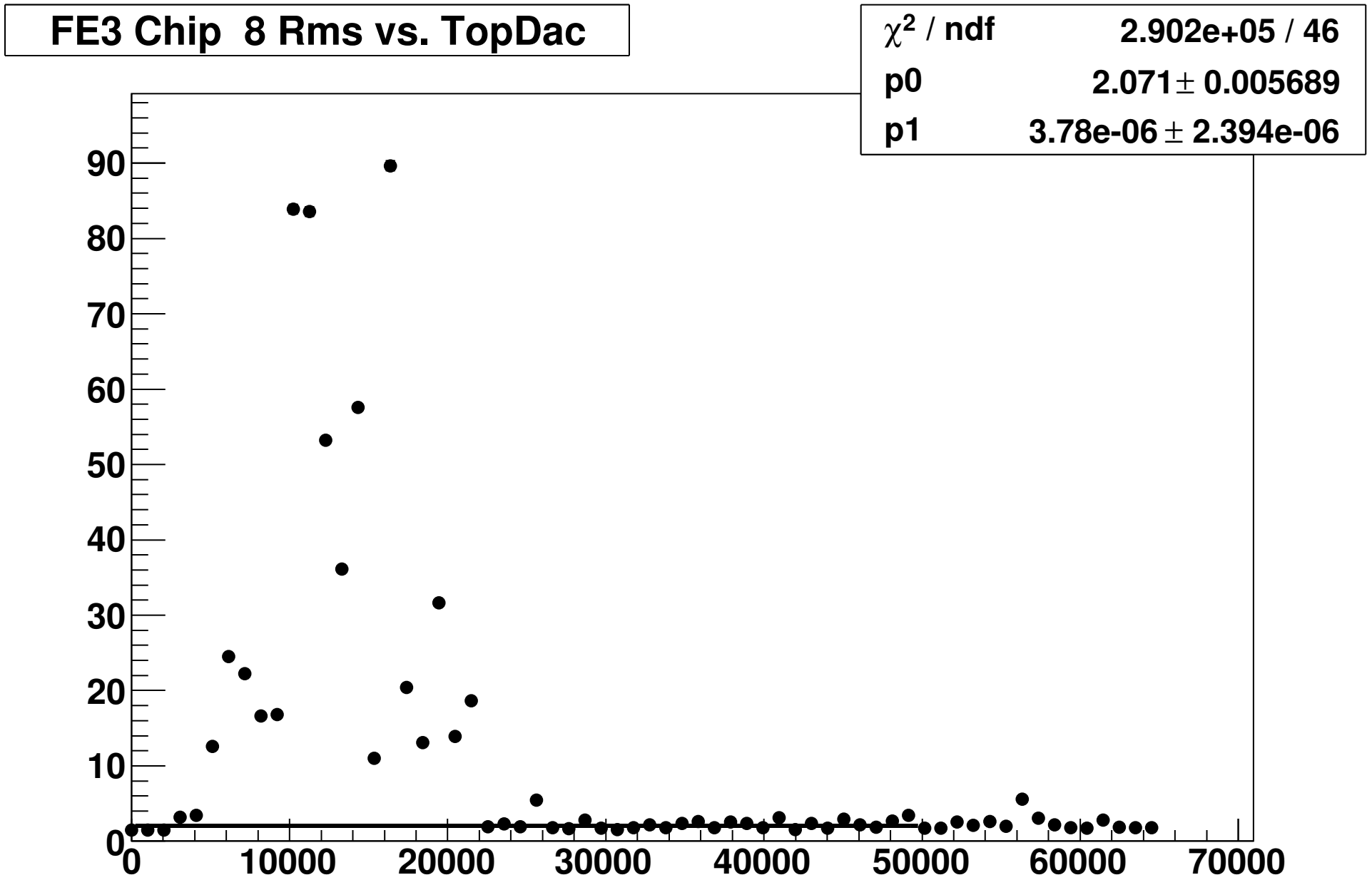

FE3 Chip 7 Mean vs. TopDac
χ² / ndf 9.054e+07 / 46
p0 -6.914 ± 0.009163
p1 0.4372 ± 2.763e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

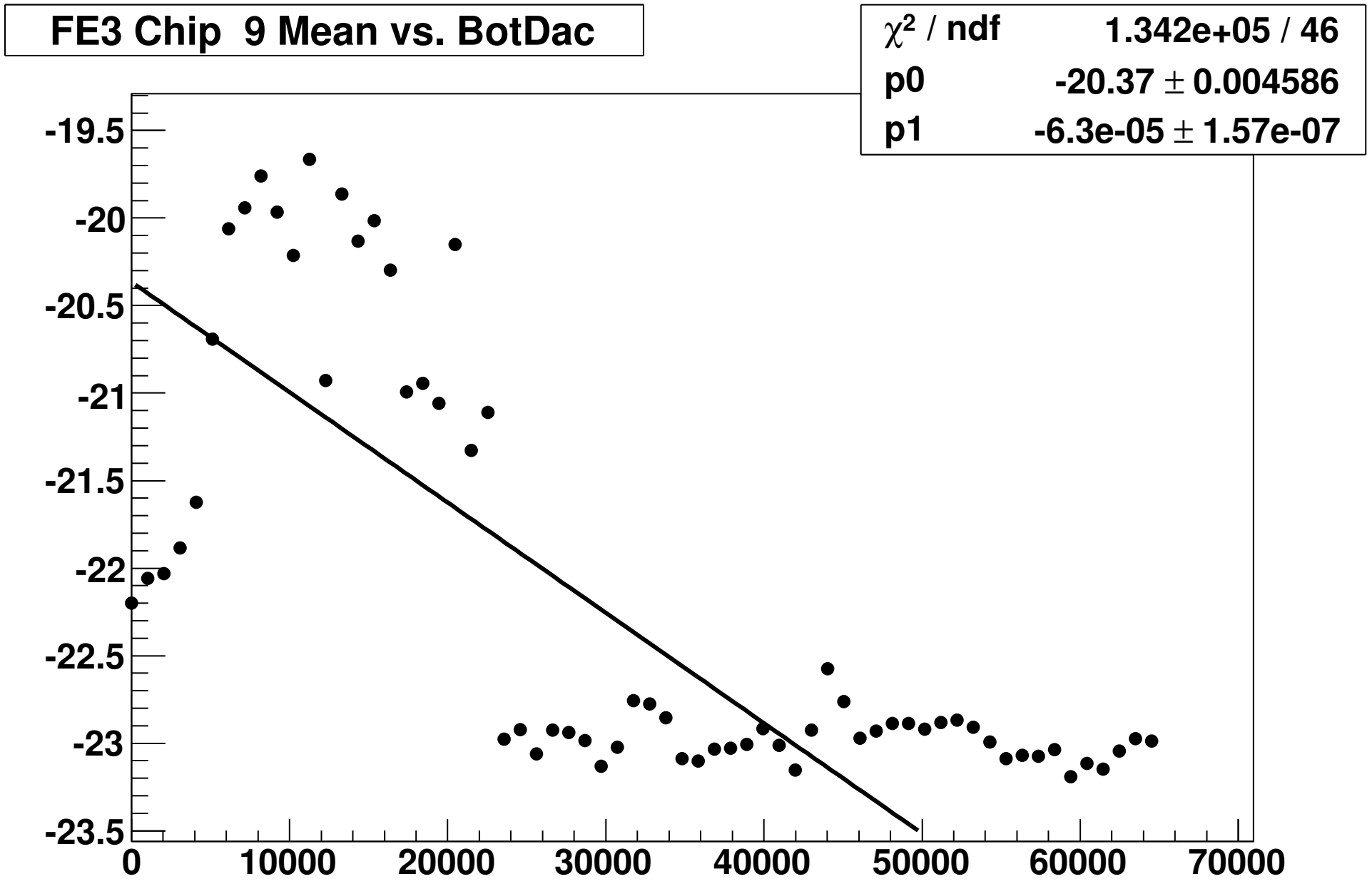

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 2.904e+05 / 46
p0 2.057 ± 0.005037
p1 5.824e-06 ± 1.405e-06
0
10
20
30
40
50
60
70
80
90
0
10000
20000
30000
40000
50000
60000
70000

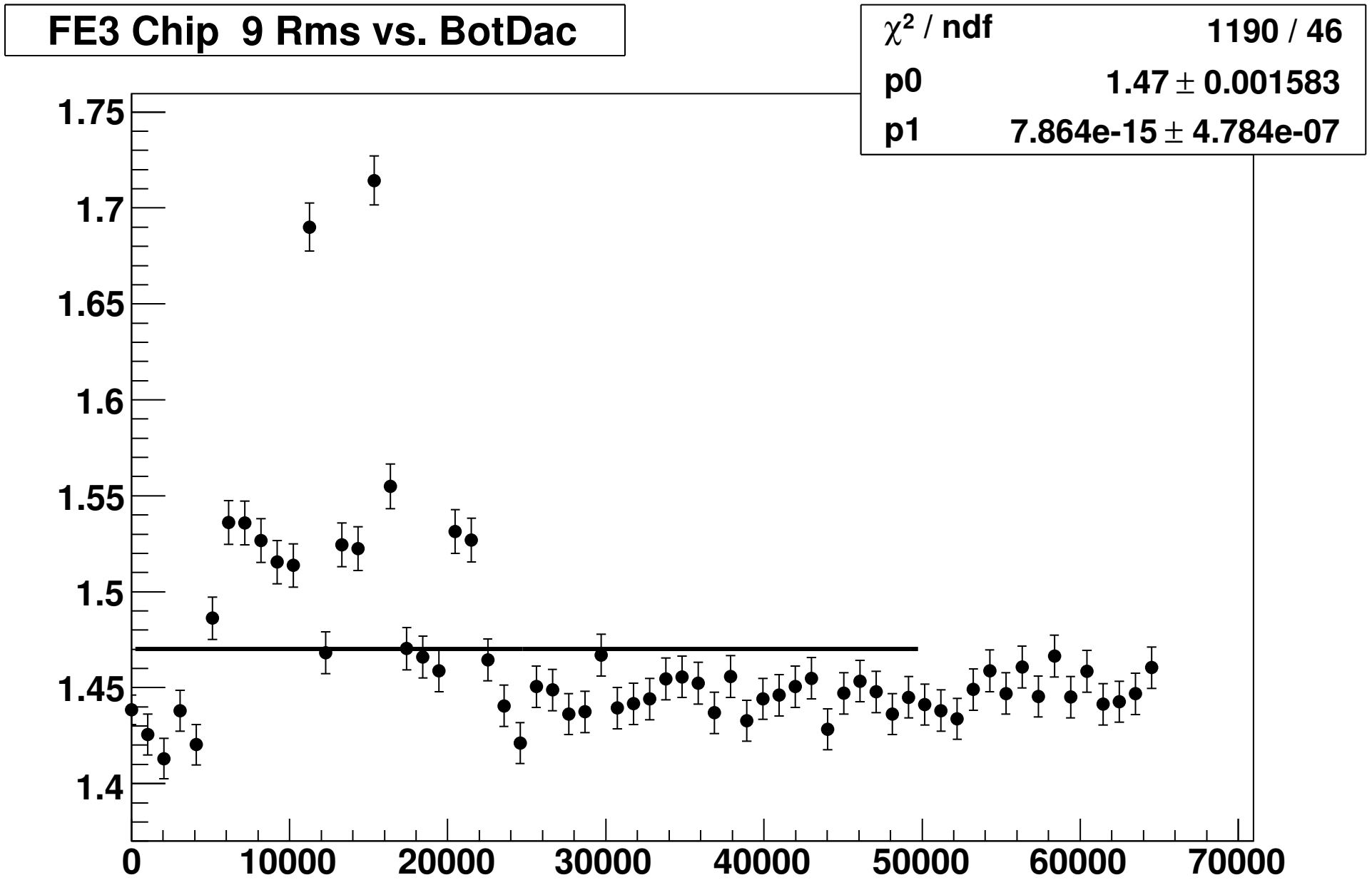

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 1.329e+05 / 46
p0 -23 ± 0.004567
p1 -6.519e-05 ± 1.583e-07
-22.5
-23
-23.5
-24
-24.5
-25
-25.5
-26
0
10000
20000
30000
40000
50000
60000
70000

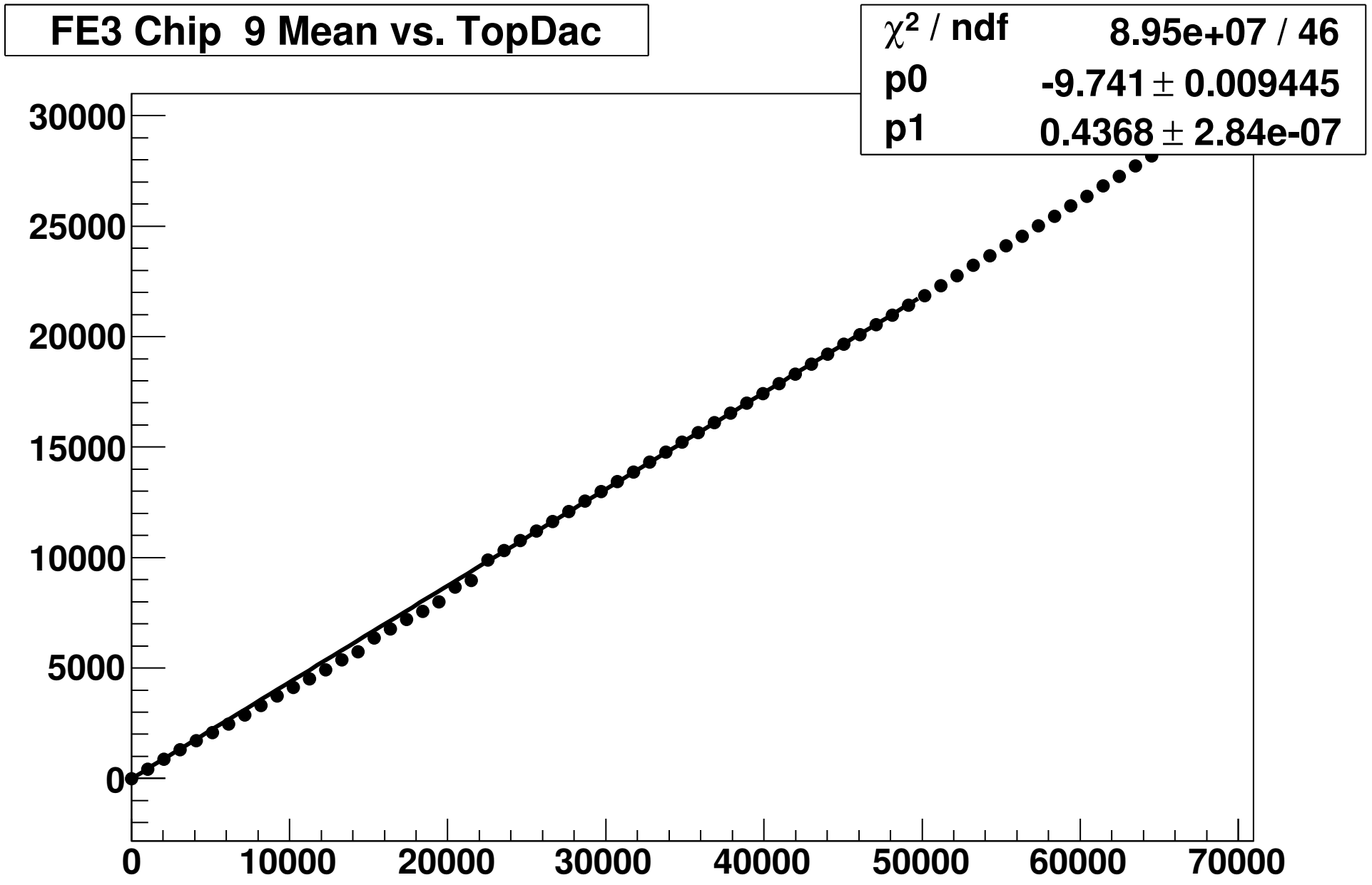

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 418.9 / 46
p0 1.479 ± 0.00159
p1 2.04e-14 ± 1.927e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

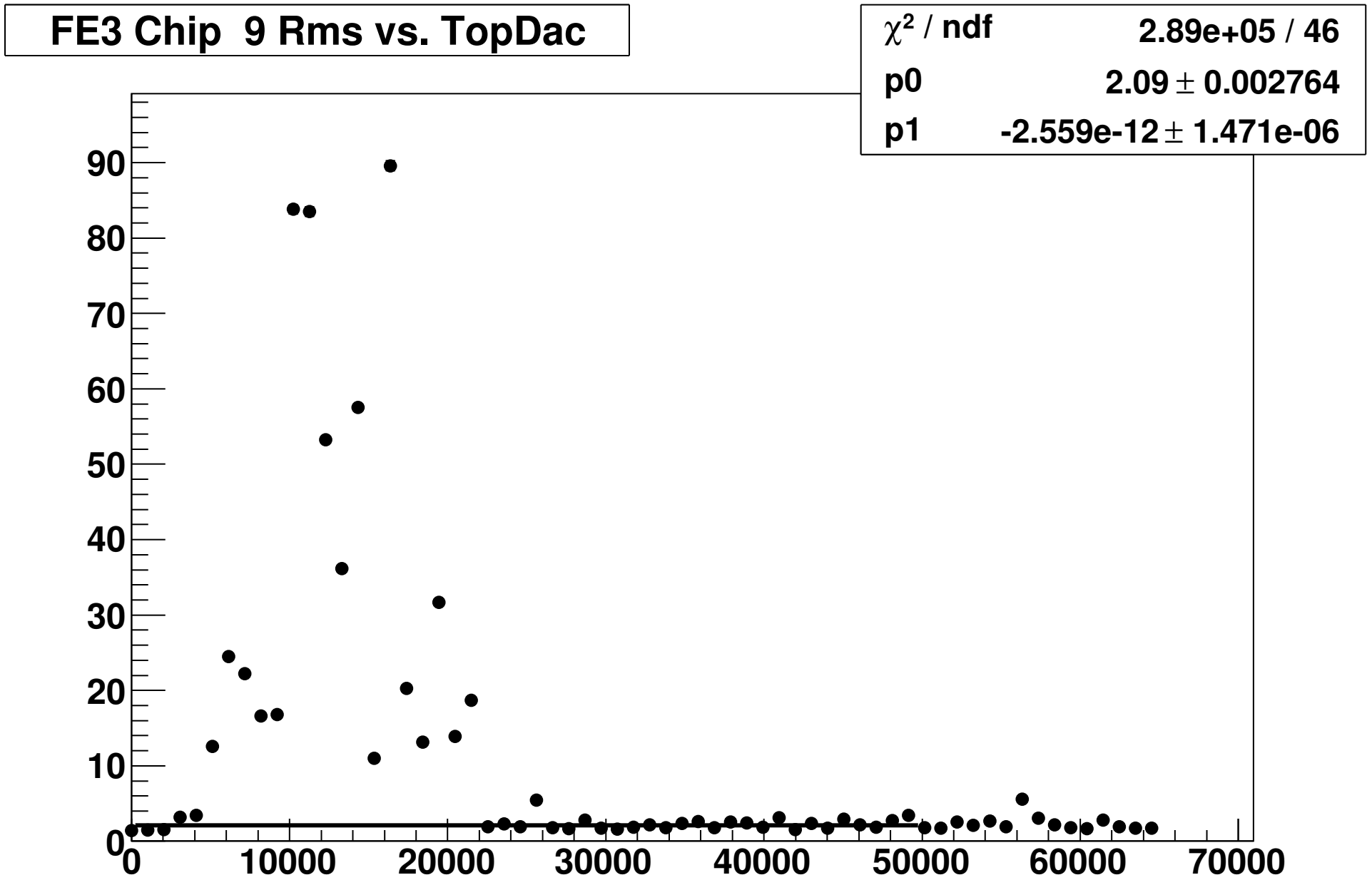

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 9.009e+07 / 46
p0 -13.59 ± 0.009313
p1 0.4368 ± 2.809e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

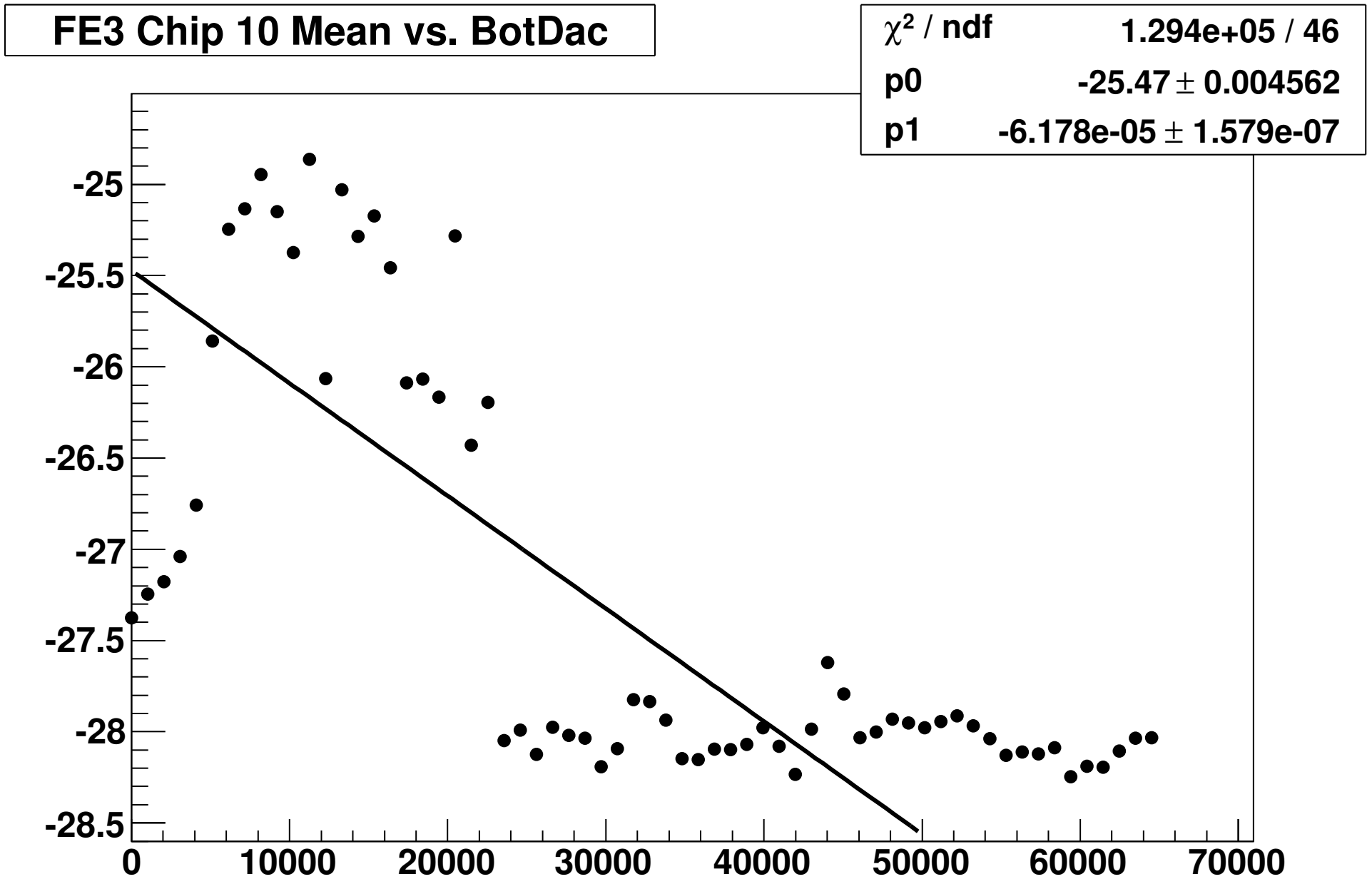

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 2.902e+05 / 46
p0 2.071 ± 0.005689
p1 3.78e-06 ± 2.394e-06
0
10
20
30
40
50
60
70
80
90
0
10000
20000
30000
40000
50000
60000
70000

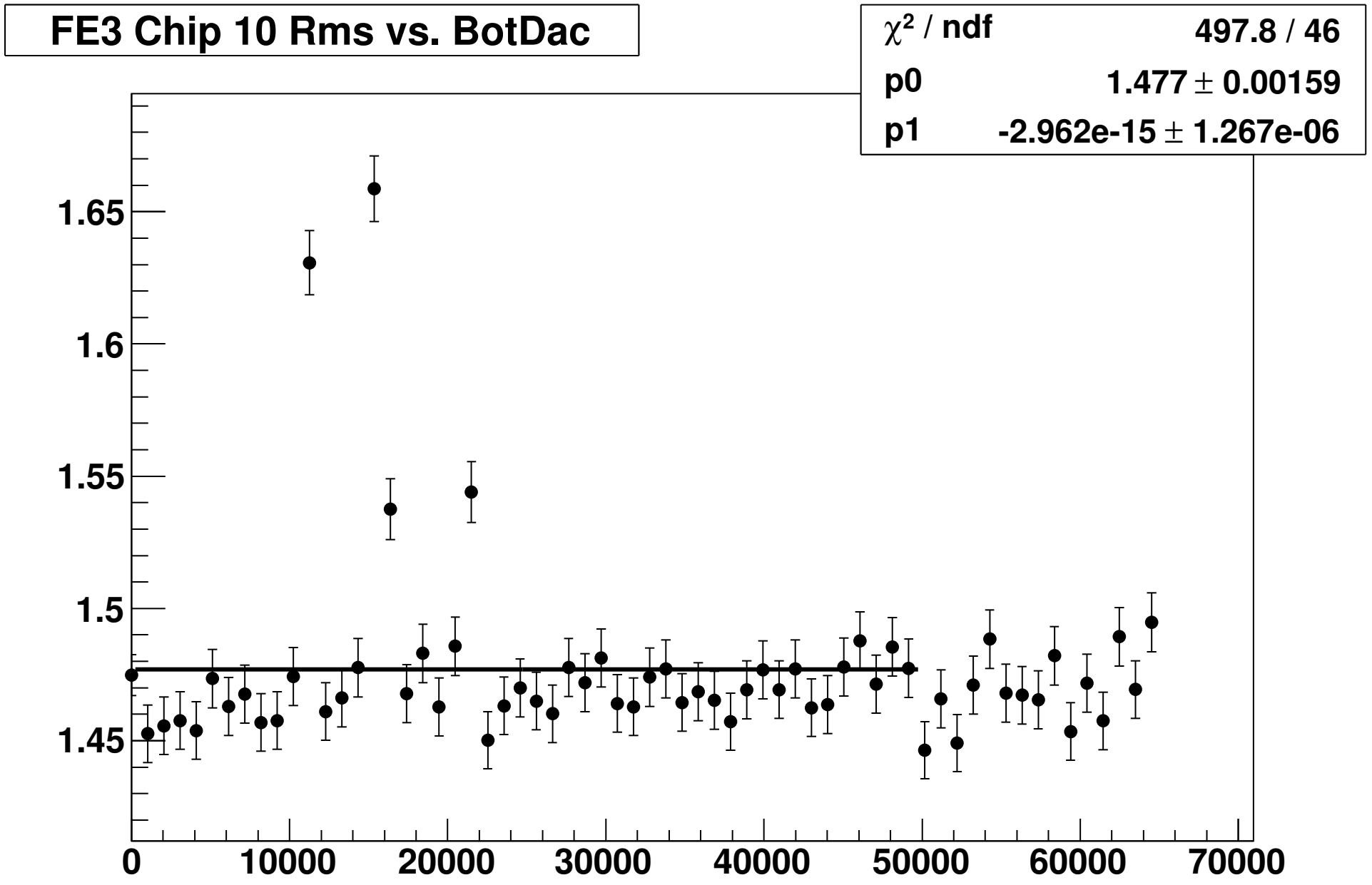

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 1.342e+05 / 46
p0 -20.37 ± 0.004586
p1 -6.3e-05 ± 1.57e-07
-19.5
-20
-20.5
-21
-21.5
-22
-22.5
-23
-23.5
0
10000
20000
30000
40000
50000
60000
70000

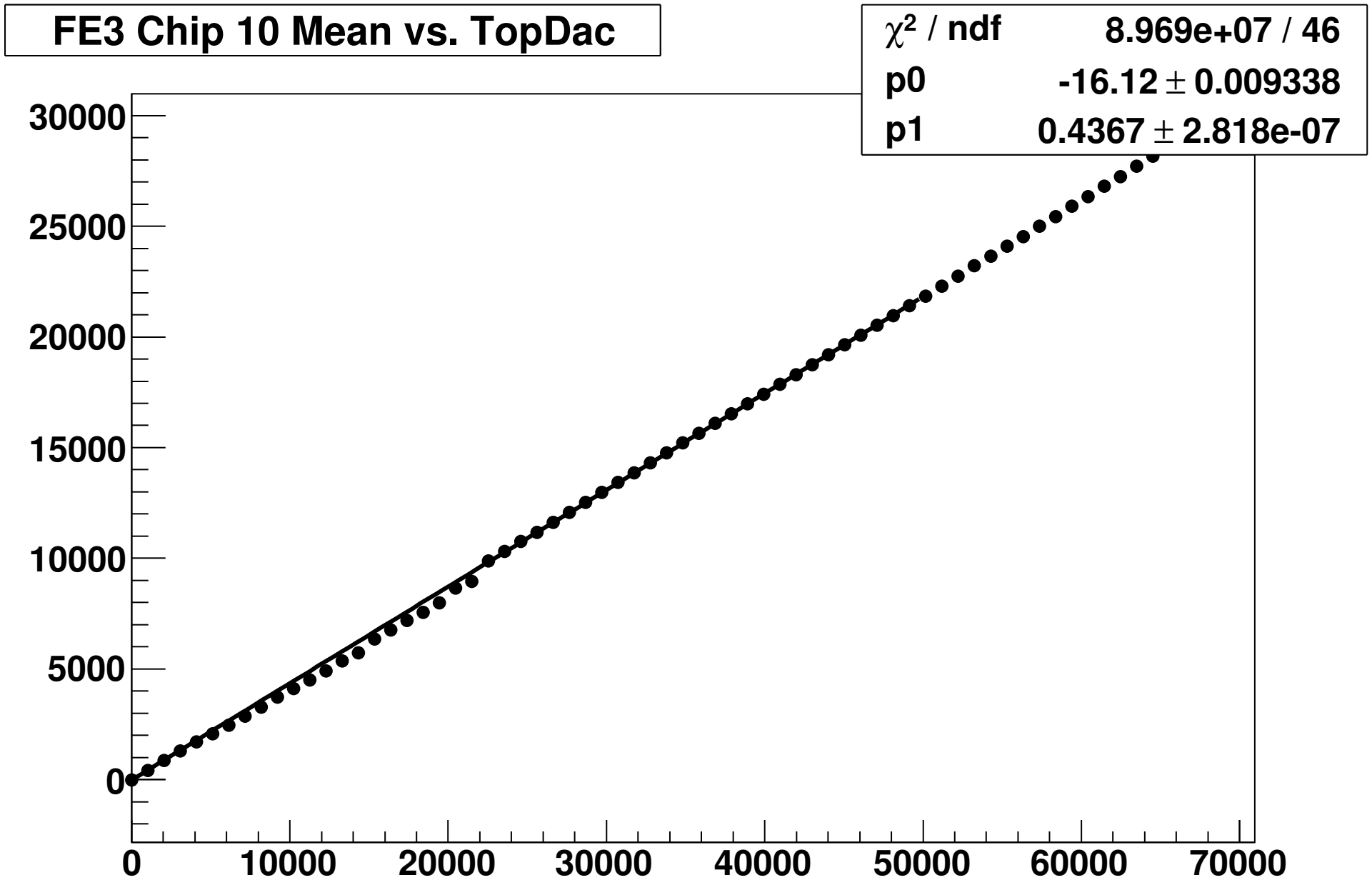

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 1190 / 46
p0 1.47 ± 0.001583
p1 7.864e-15 ± 4.784e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000

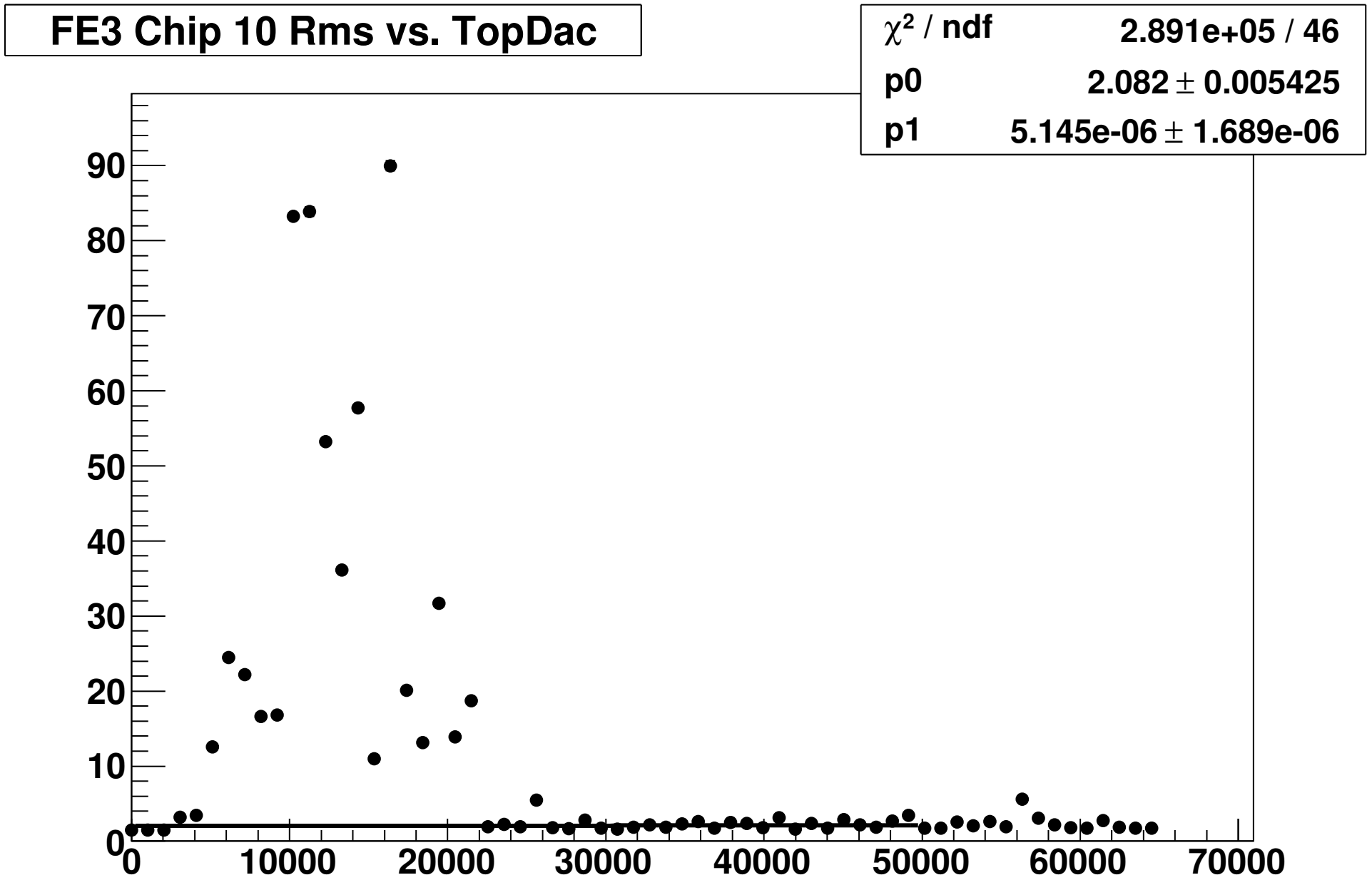

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 8.95e+07 / 46
p0 -9.741 ± 0.009445
p1 0.4368 ± 2.84e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

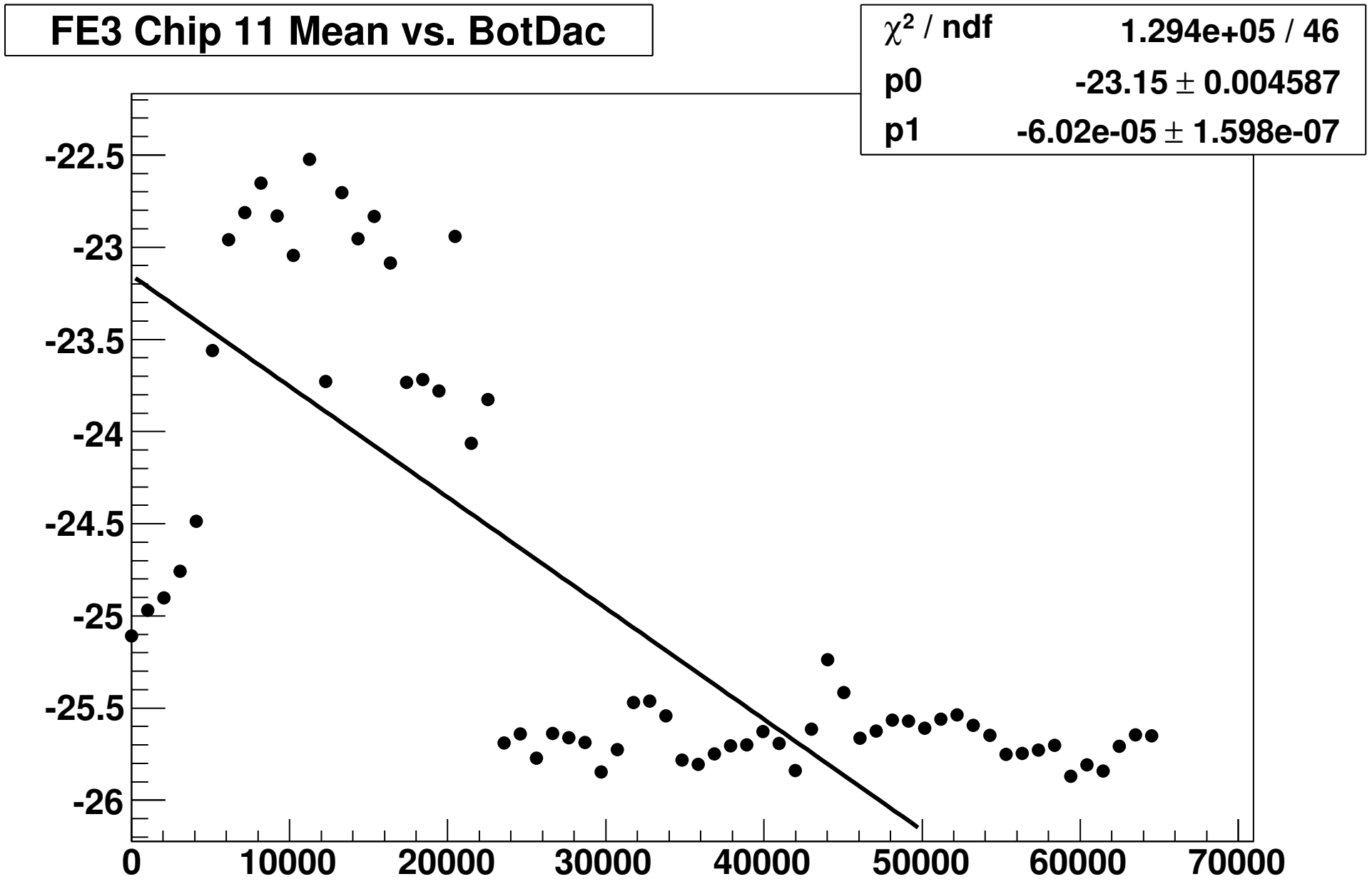

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 2.89e+05 / 46
p0 2.09 ± 0.002764
p1 -2.559e-12 ± 1.471e-06
90
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

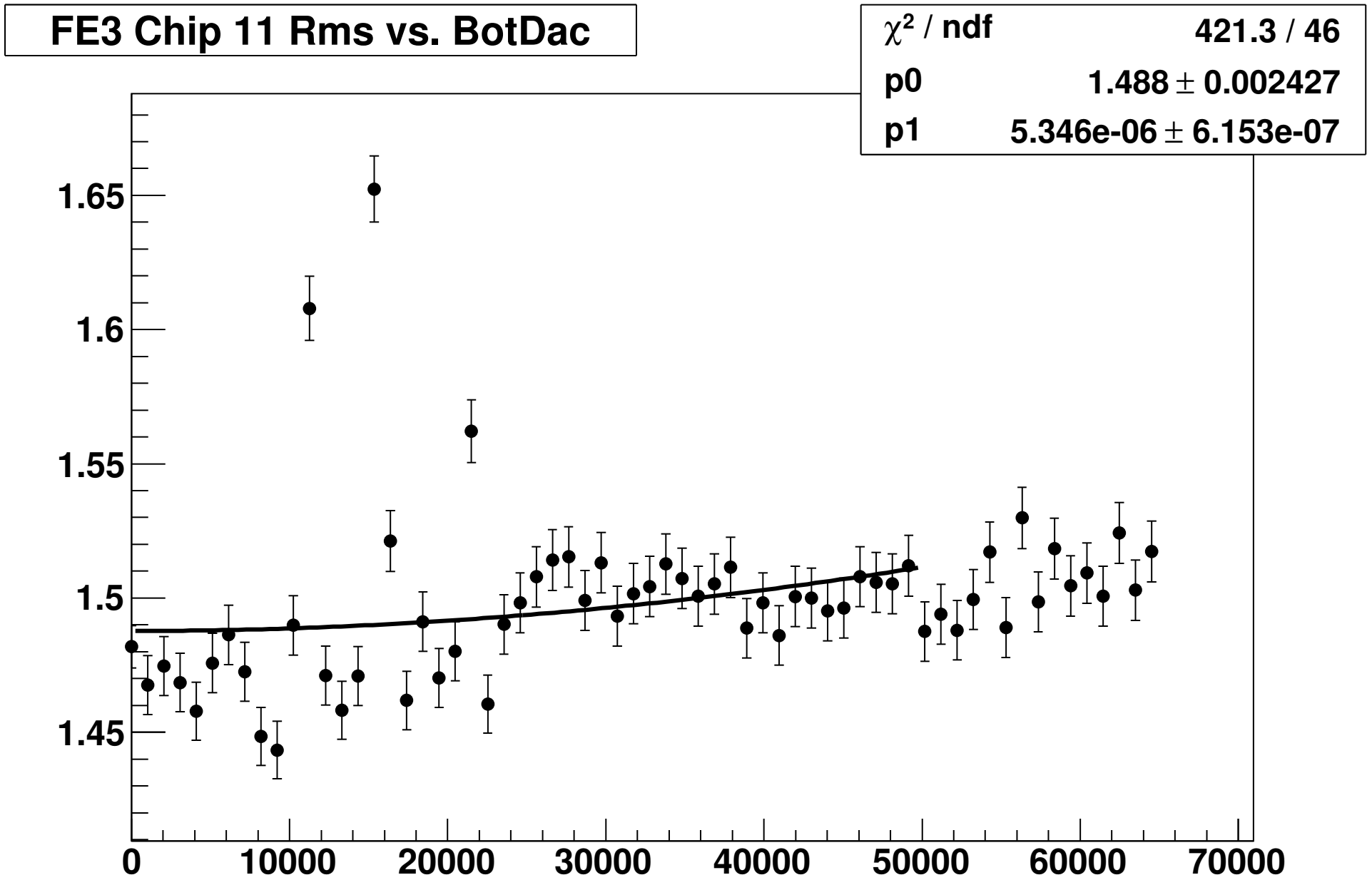

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 1.294e+05 / 46
p0 -25.47 ± 0.004562
p1 -6.178e-05 ± 1.579e-07
-25
-25.5
-26
-26.5
-27
-27.5
-28
-28.5
0
10000
20000
30000
40000
50000
60000
70000

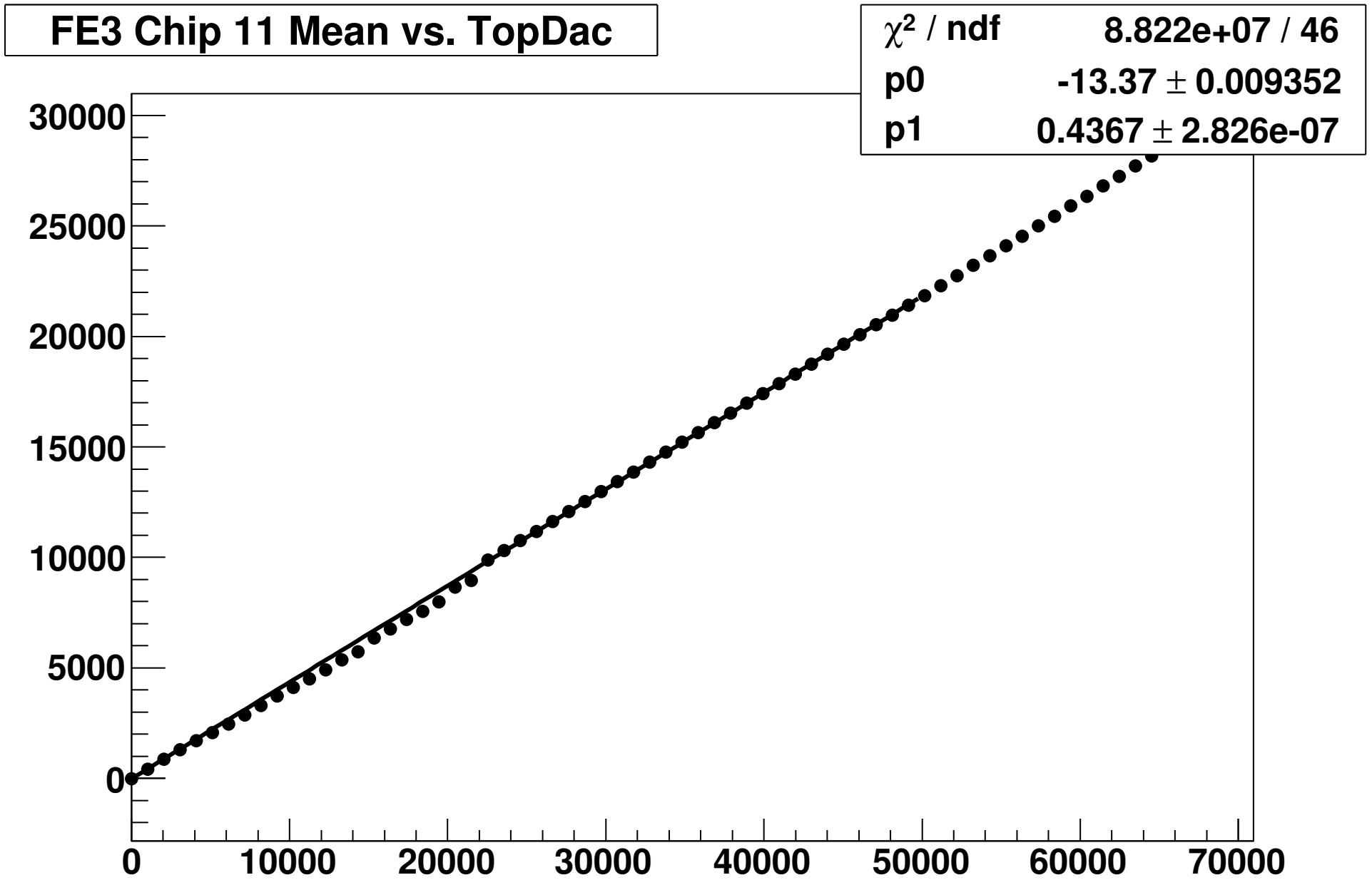

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 497.8 / 46
p0 1.477 ± 0.00159
p1 -2.962e-15 ± 1.267e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

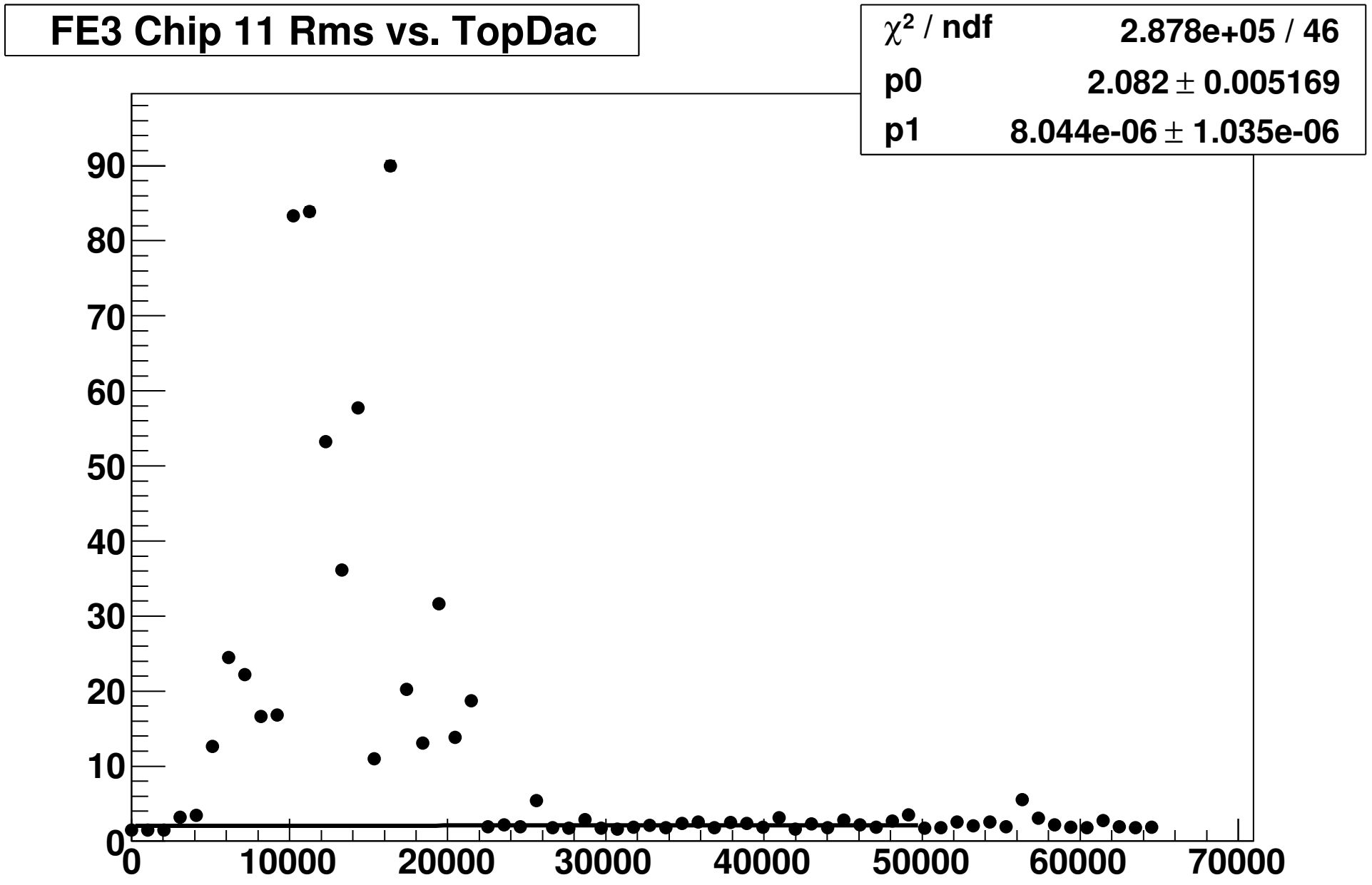

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 8.969e+07 / 46
p0 -16.12 ± 0.009338
p1 0.4367 ± 2.818e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

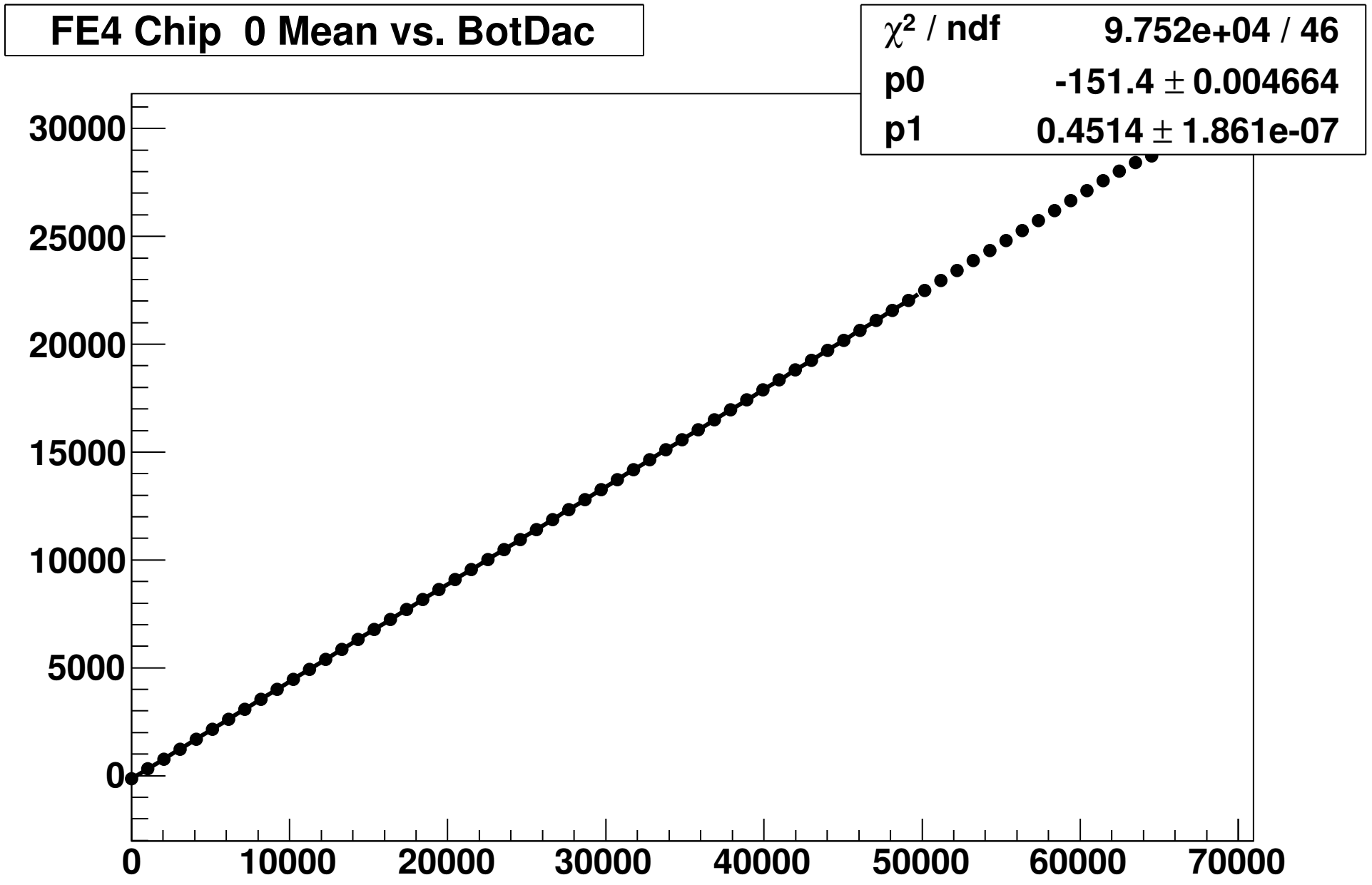

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 2.891e+05 / 46
p0 2.082 ± 0.005425
p1 5.145e-06 ± 1.689e-06
90
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

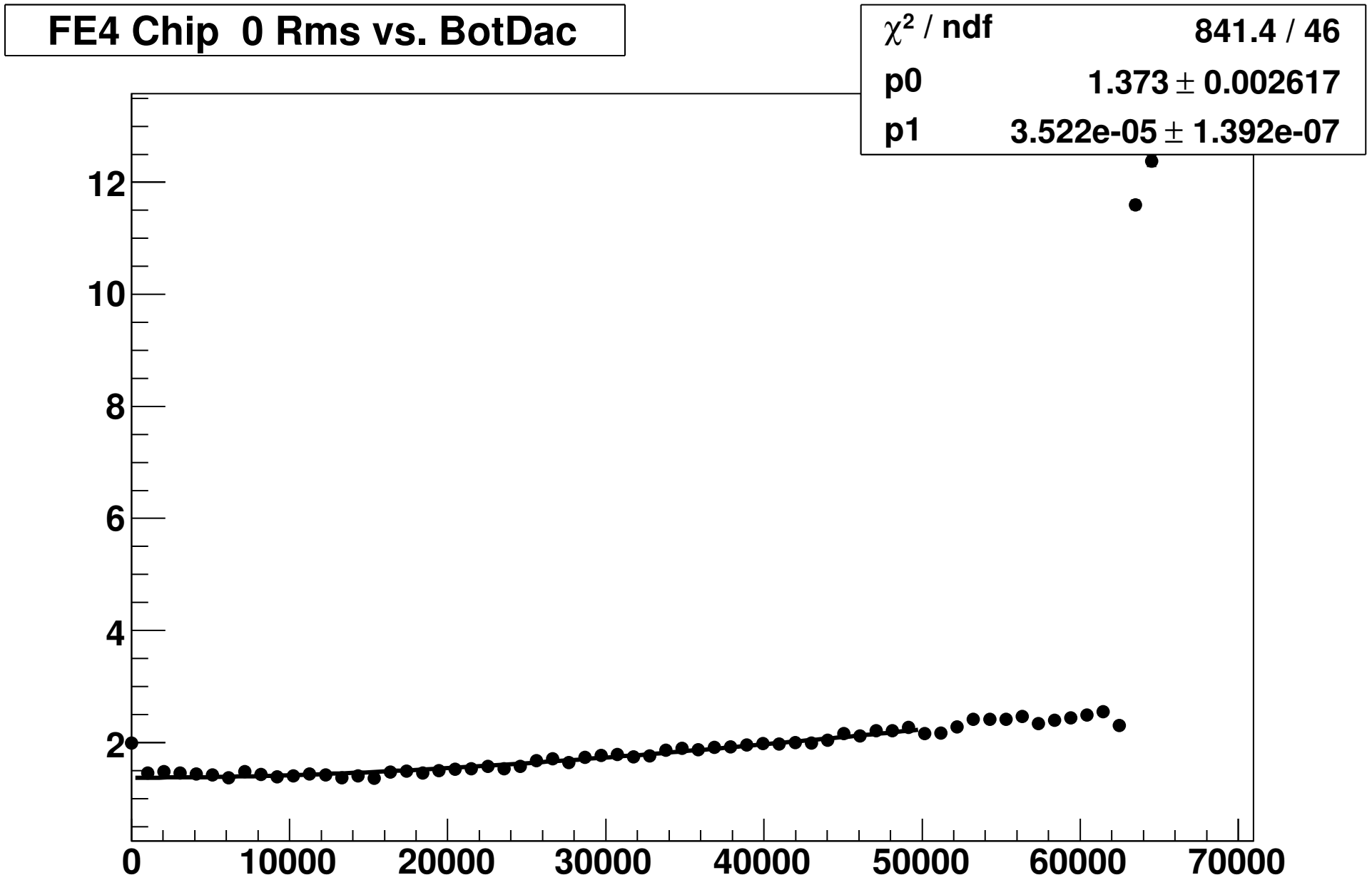

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 1.294e+05 / 46
p0 -23.15 ± 0.004587
p1 -6.02e-05 ± 1.598e-07
-22.5
-23
-23.5
-24
-24.5
-25
-25.5
-26
0
10000
20000
30000
40000
50000
60000
70000

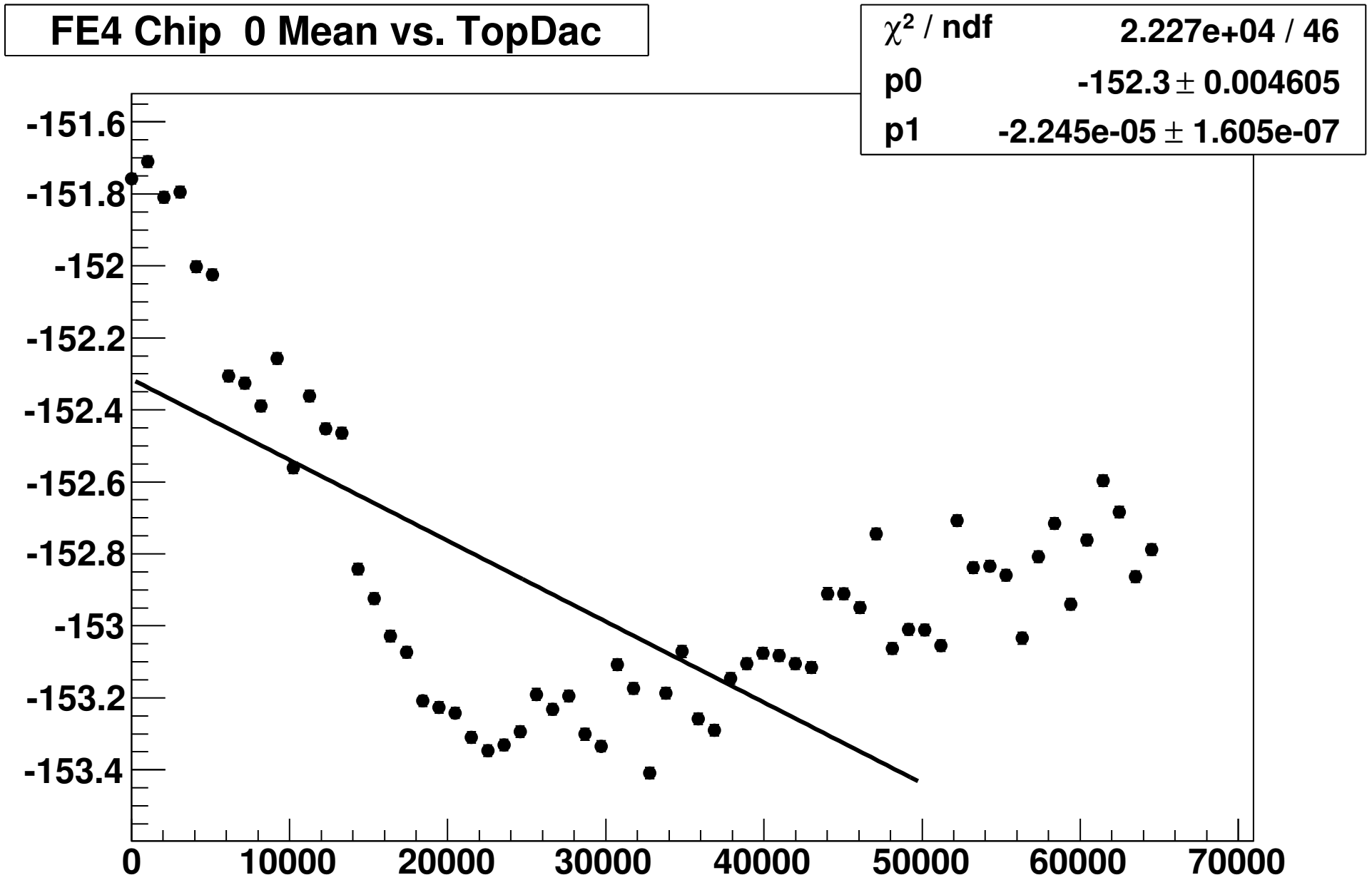

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 421.3 / 46
p0 1.488 ± 0.002427
p1 5.346e-06 ± 6.153e-07
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

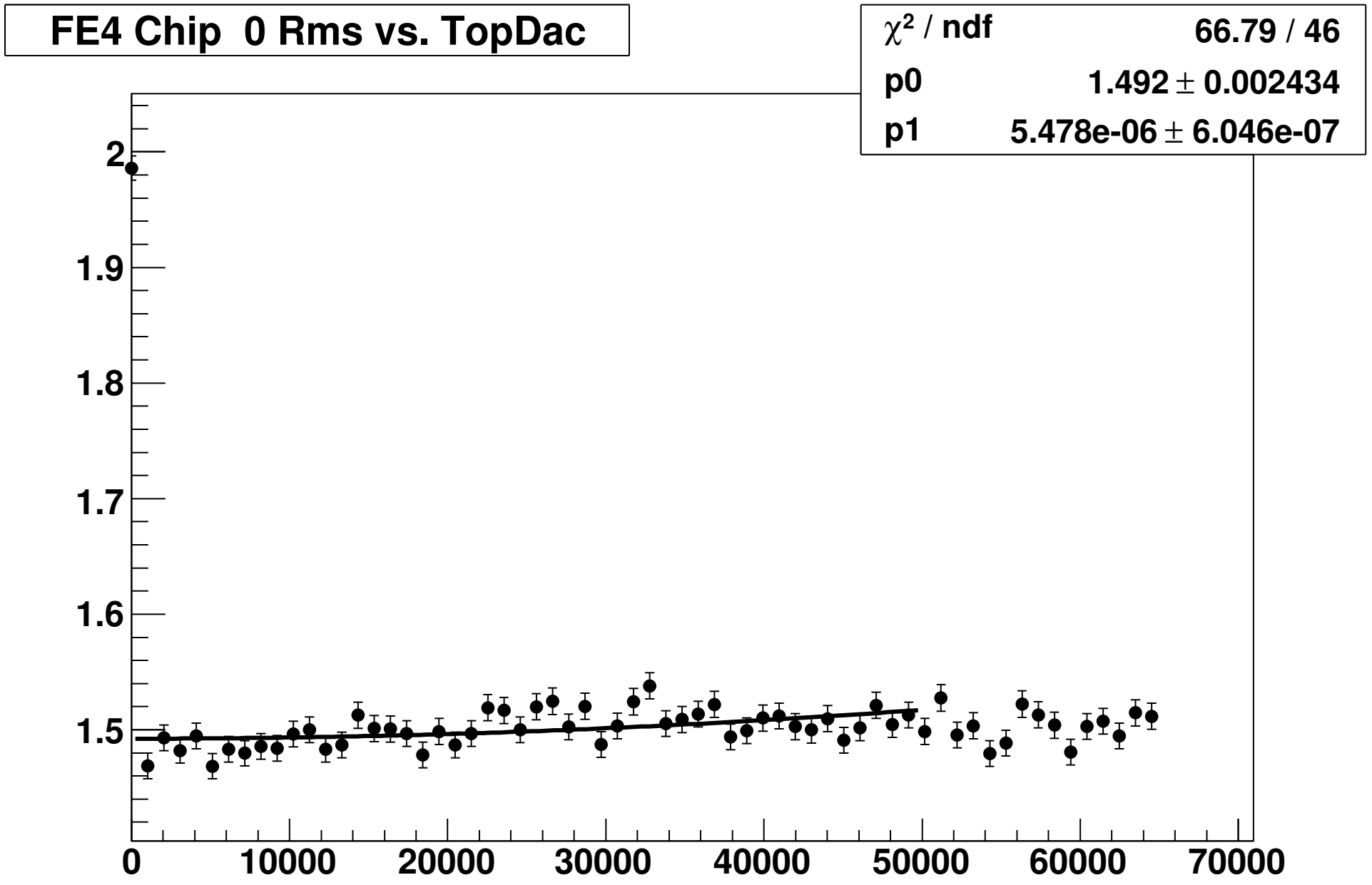

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 8.822e+07 / 46
p0 -13.37 ± 0.009352
p1 0.4367 ± 2.826e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

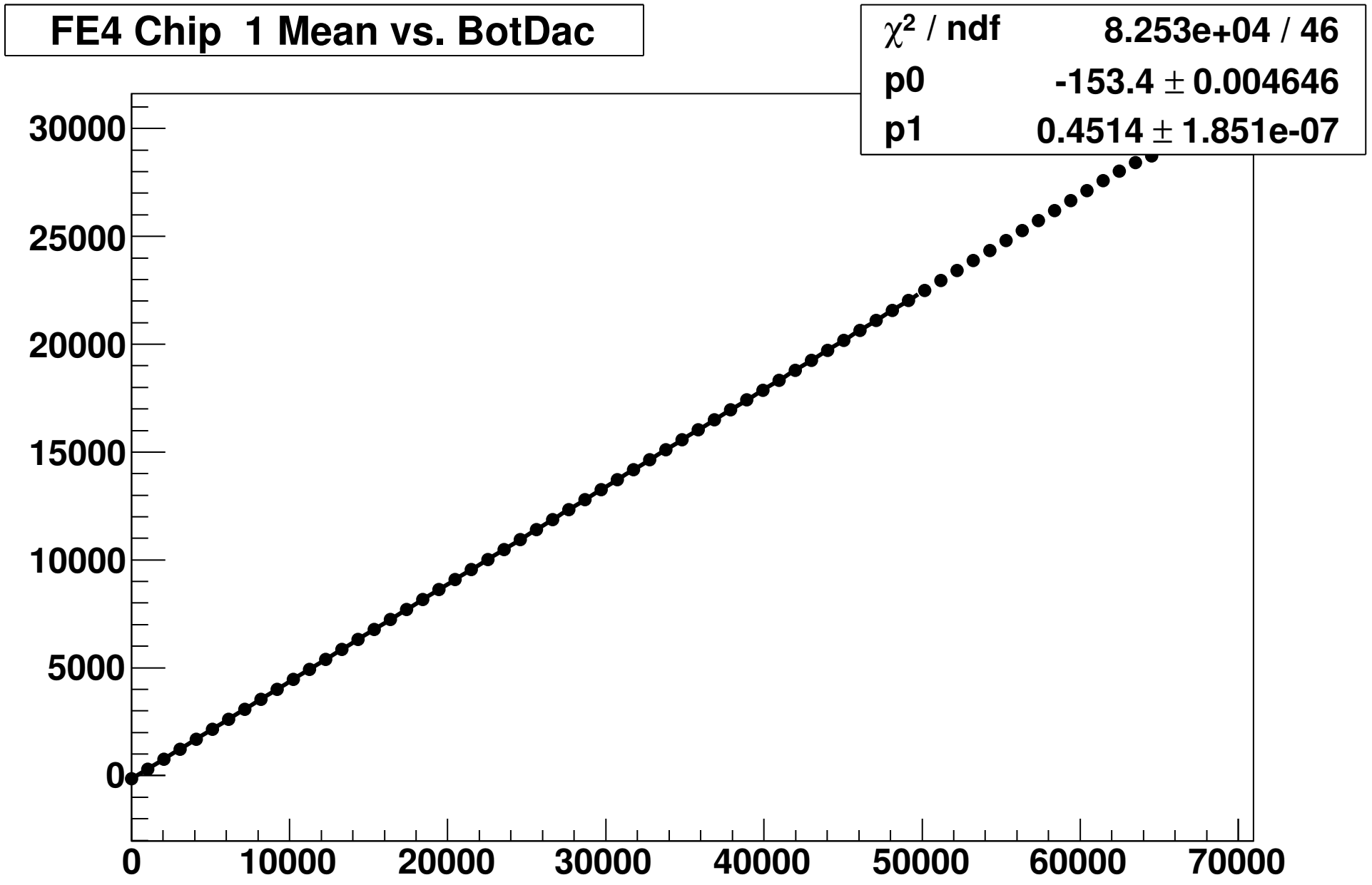

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 2.878e+05 / 46
p0 2.082 ± 0.005169
p1 8.044e-06 ± 1.035e-06
90
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

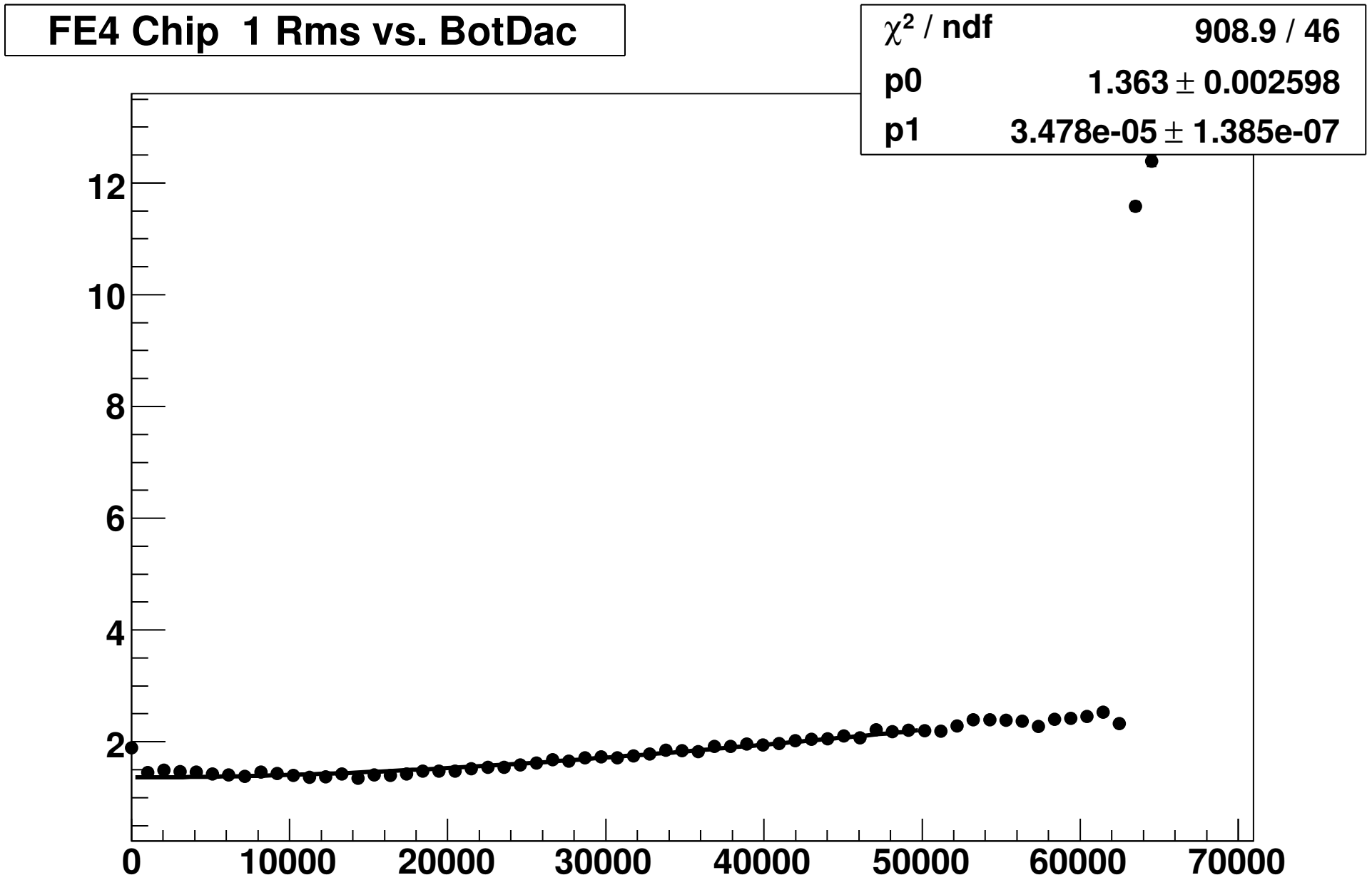

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 9.752e+04 / 46
p0 -151.4 ± 0.004664
p1 0.4514 ± 1.861e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 841.4 / 46
p0 1.373 ± 0.002617
p1 3.522e-05 ± 1.392e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 2.227e+04 / 46
p0 -152.3 ± 0.004605
p1 -2.245e-05 ± 1.605e-07
-151.6
-151.8
-152
-152.2
-152.4
-152.6
-152.8
-153
-153.2
-153.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 66.79 / 46
p0 1.492 ± 0.002434
p1 5.478e-06 ± 6.046e-07
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 8.253e+04 / 46
p0 -153.4 ± 0.004646
p1 0.4514 ± 1.851e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 908.9 / 46
p0 1.363 ± 0.002598
p1 3.478e-05 ± 1.385e-07
12
10
8
6
4
2
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30000
40000
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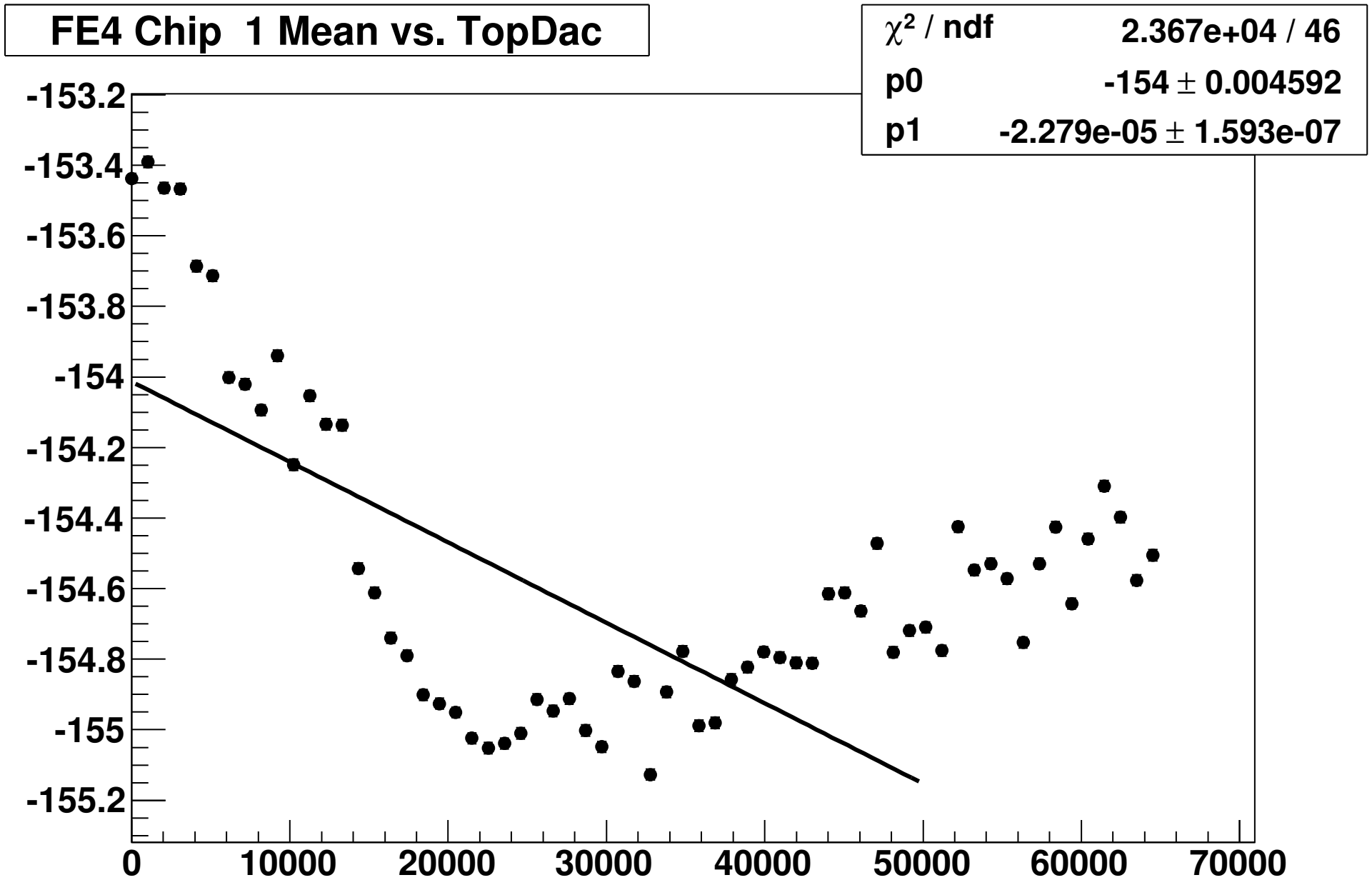
FE4 Chip 1 Mean vs. TopDac
χ² / ndf 2.367e+04 / 46
p0 -154 ± 0.004592
p1 -2.279e-05 ± 1.593e-07
-153.2
-153.4
-153.6
-153.8
-154
-154.2
-154.4
-154.6
-154.8
-155
-155.2
0
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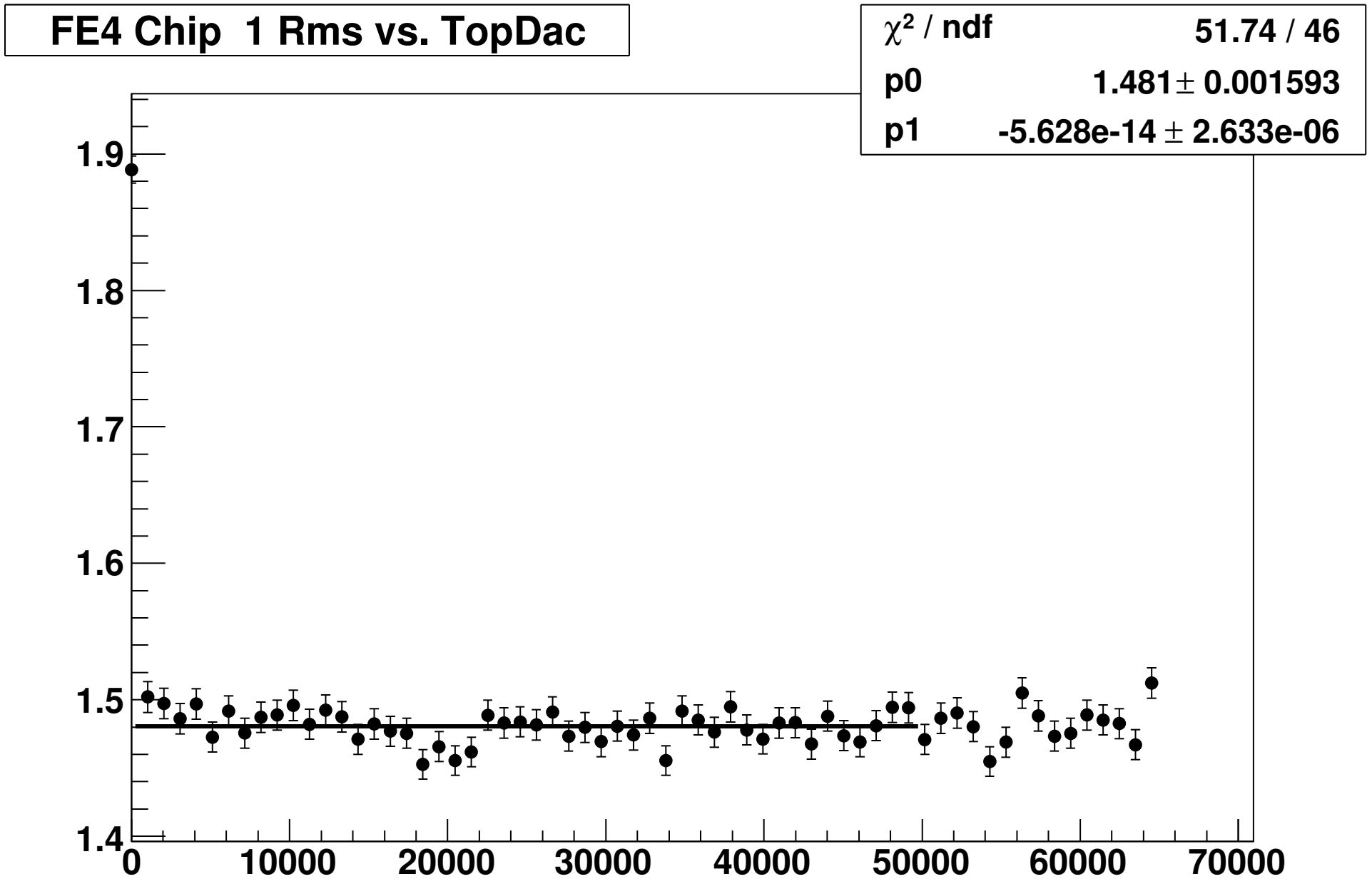
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 51.74 / 46
p0 1.481 ± 0.001593
p1 -5.628e-14 ± 2.633e-06
1.9
1.8
1.7
1.6
1.5
1.4
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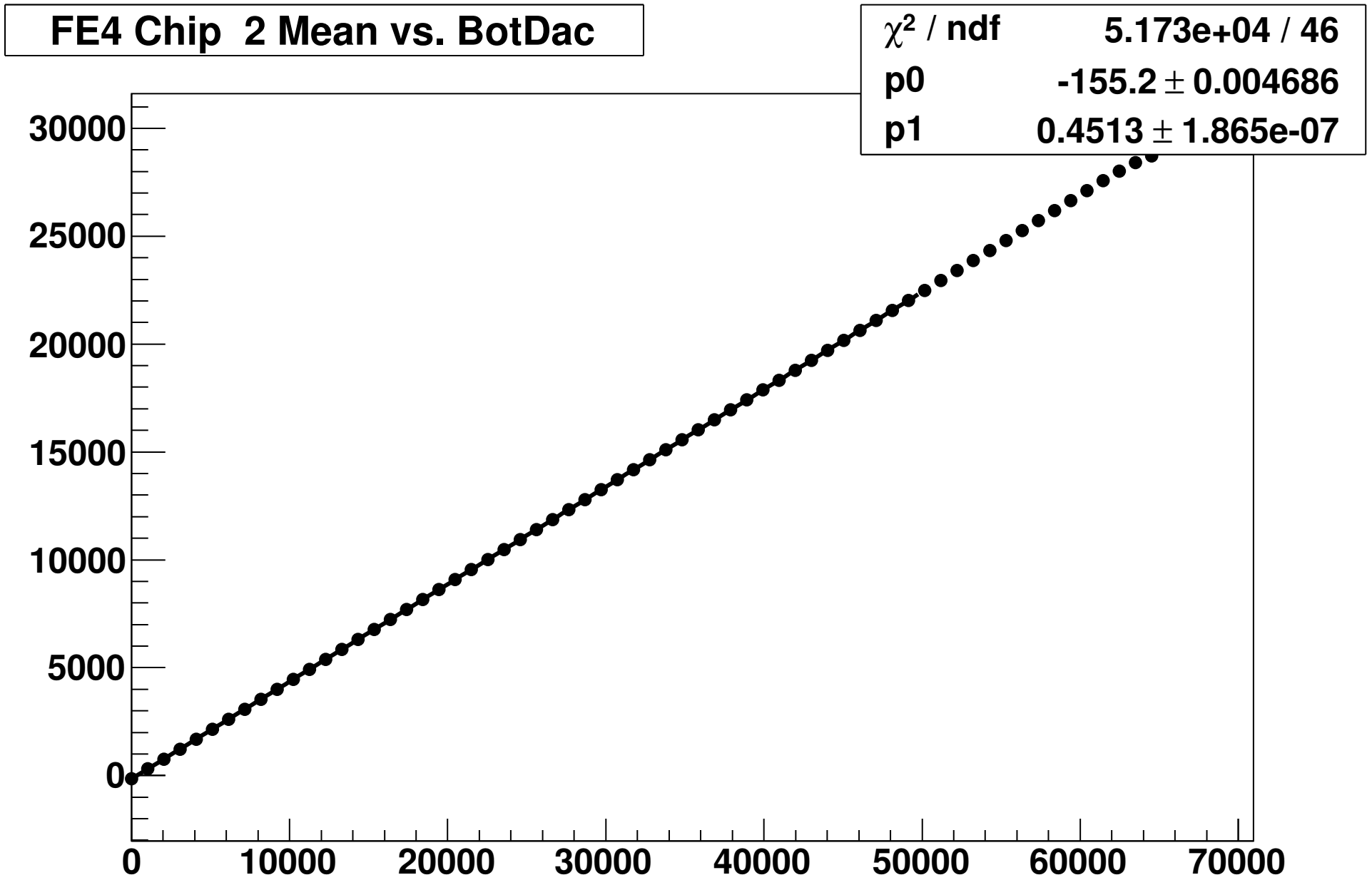
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 5.173e+04 / 46
p0 -155.2 ± 0.004686
p1 0.4513 ± 1.865e-07
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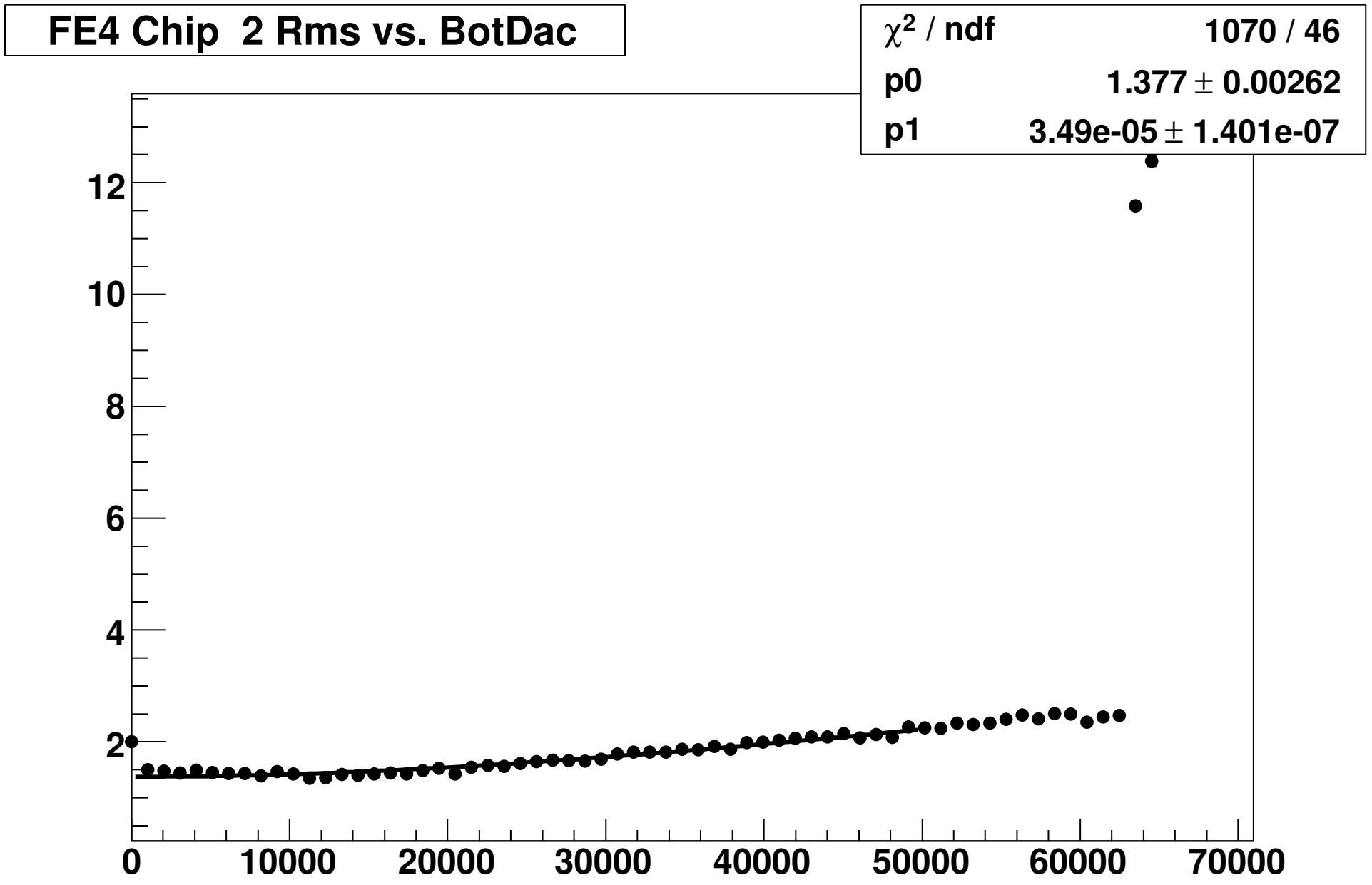
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1070 / 46
p0 1.377 ± 0.00262
p1 3.49e-05 ± 1.401e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
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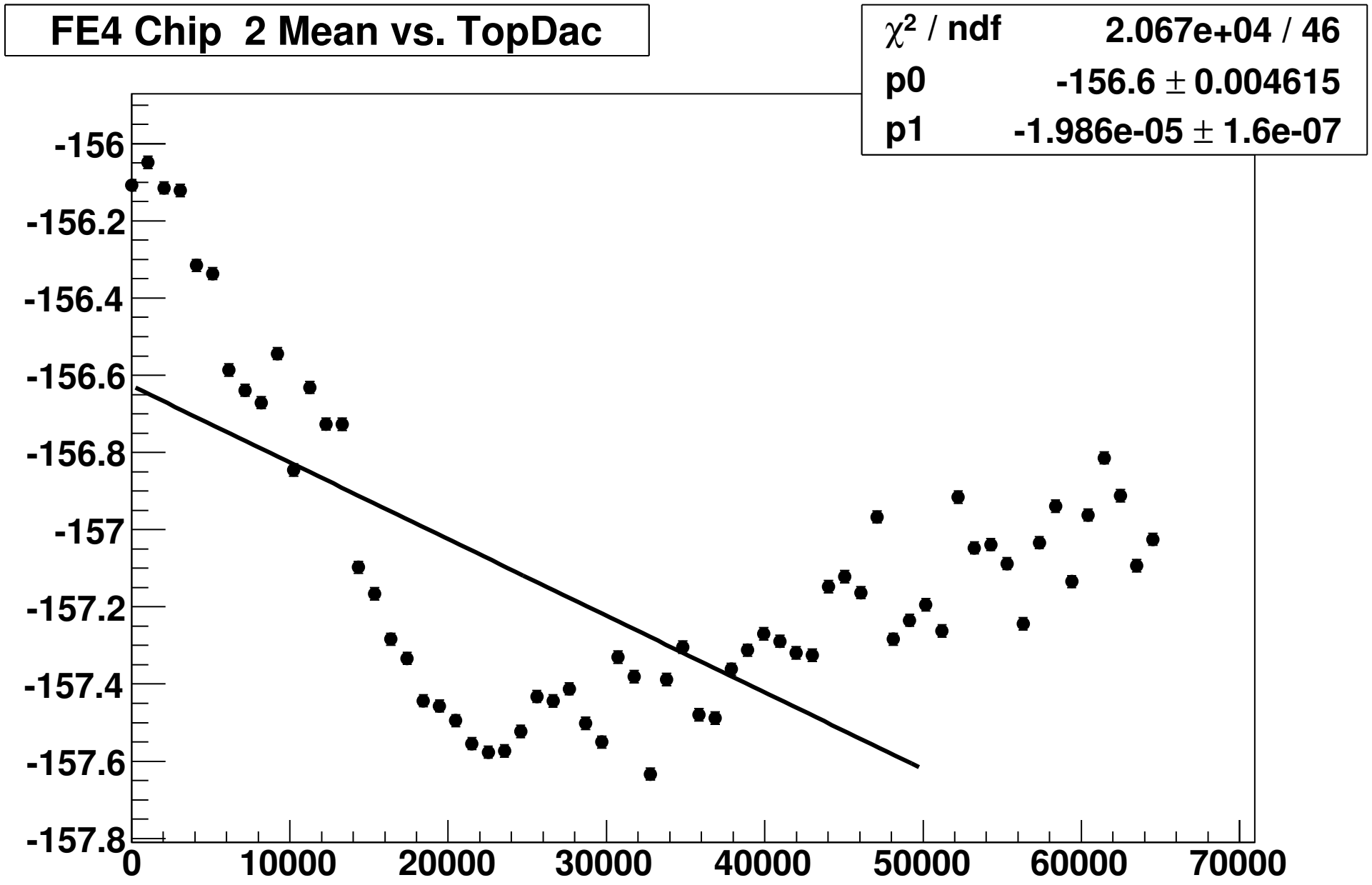
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 2.067e+04 / 46
p0 -156.6 ± 0.004615
p1 -1.986e-05 ± 1.6e-07
-156
-156.2
-156.4
-156.6
-156.8
-157
-157.2
-157.4
-157.6
-157.8
0
10000
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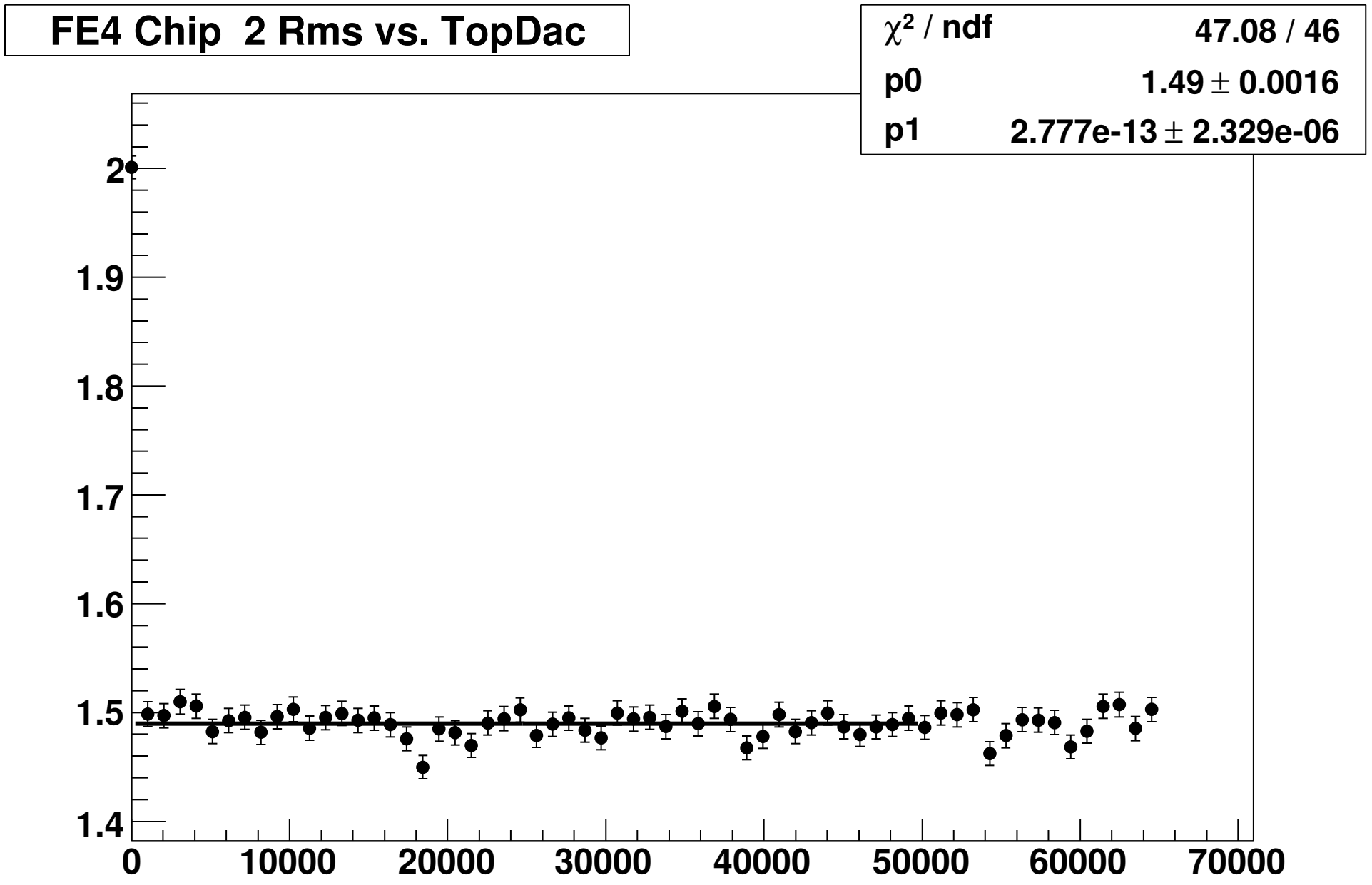
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 47.08 / 46
p0 1.49 ± 0.0016
p1 2.777e-13 ± 2.329e-06
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
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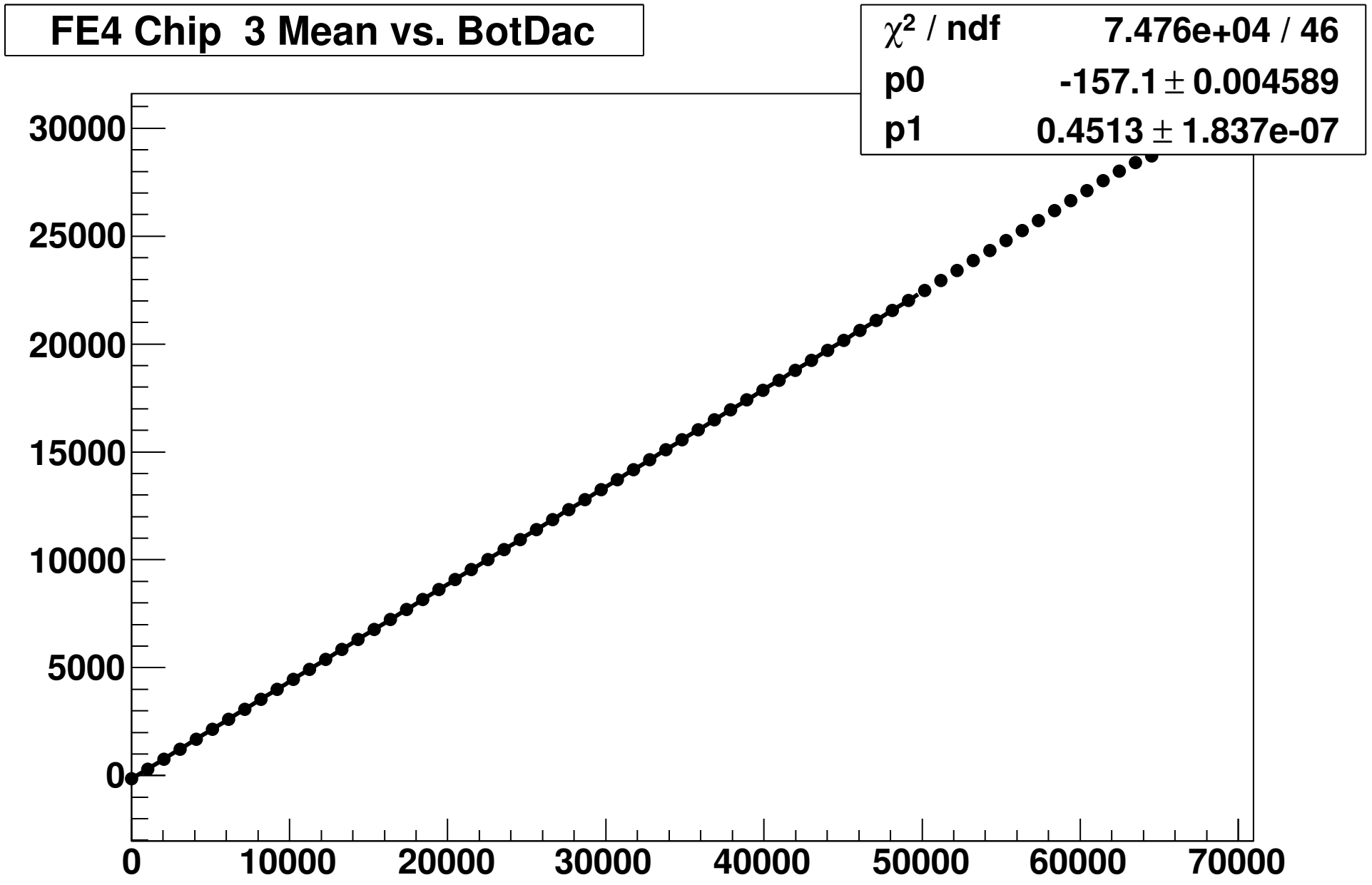
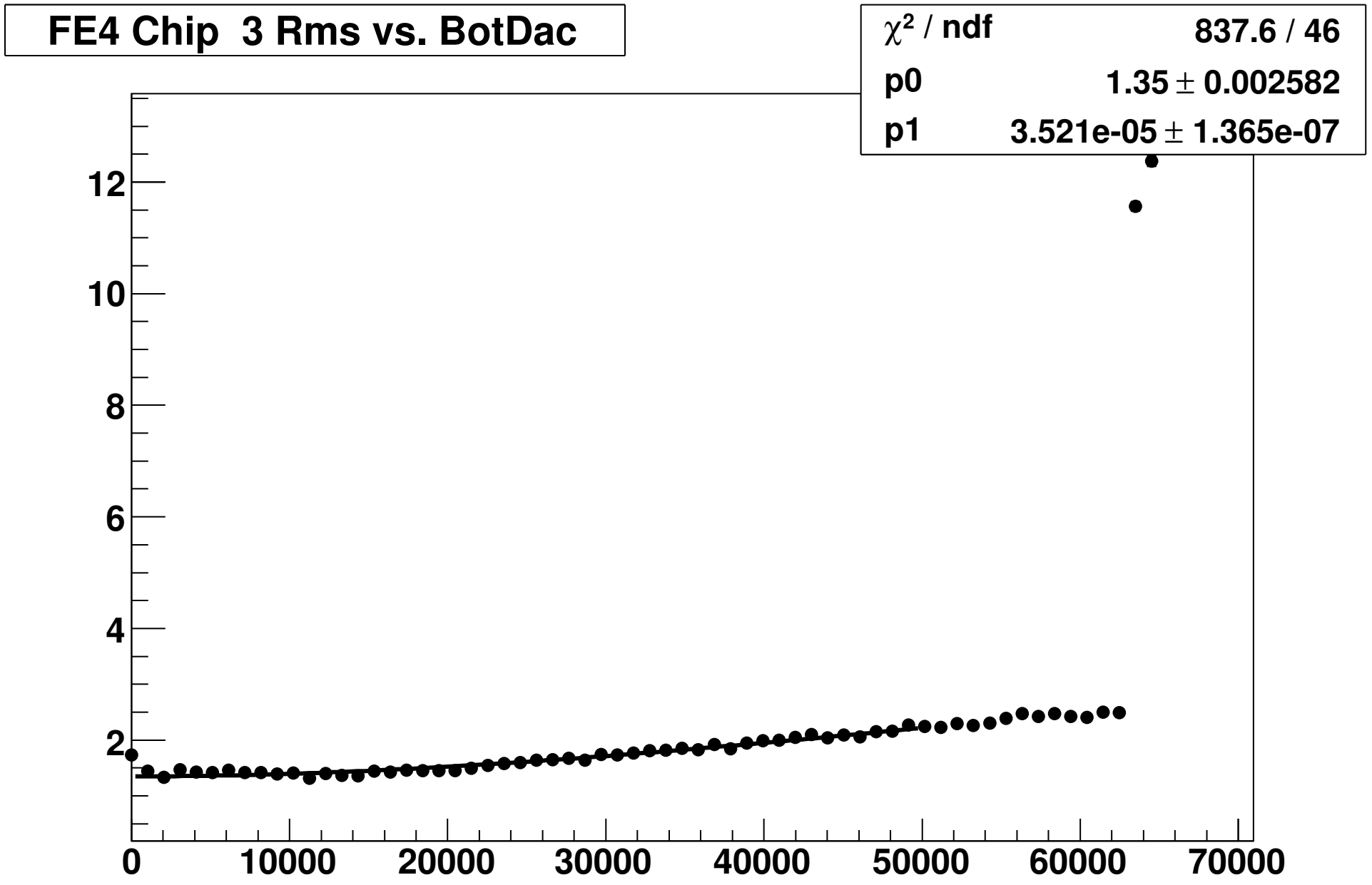
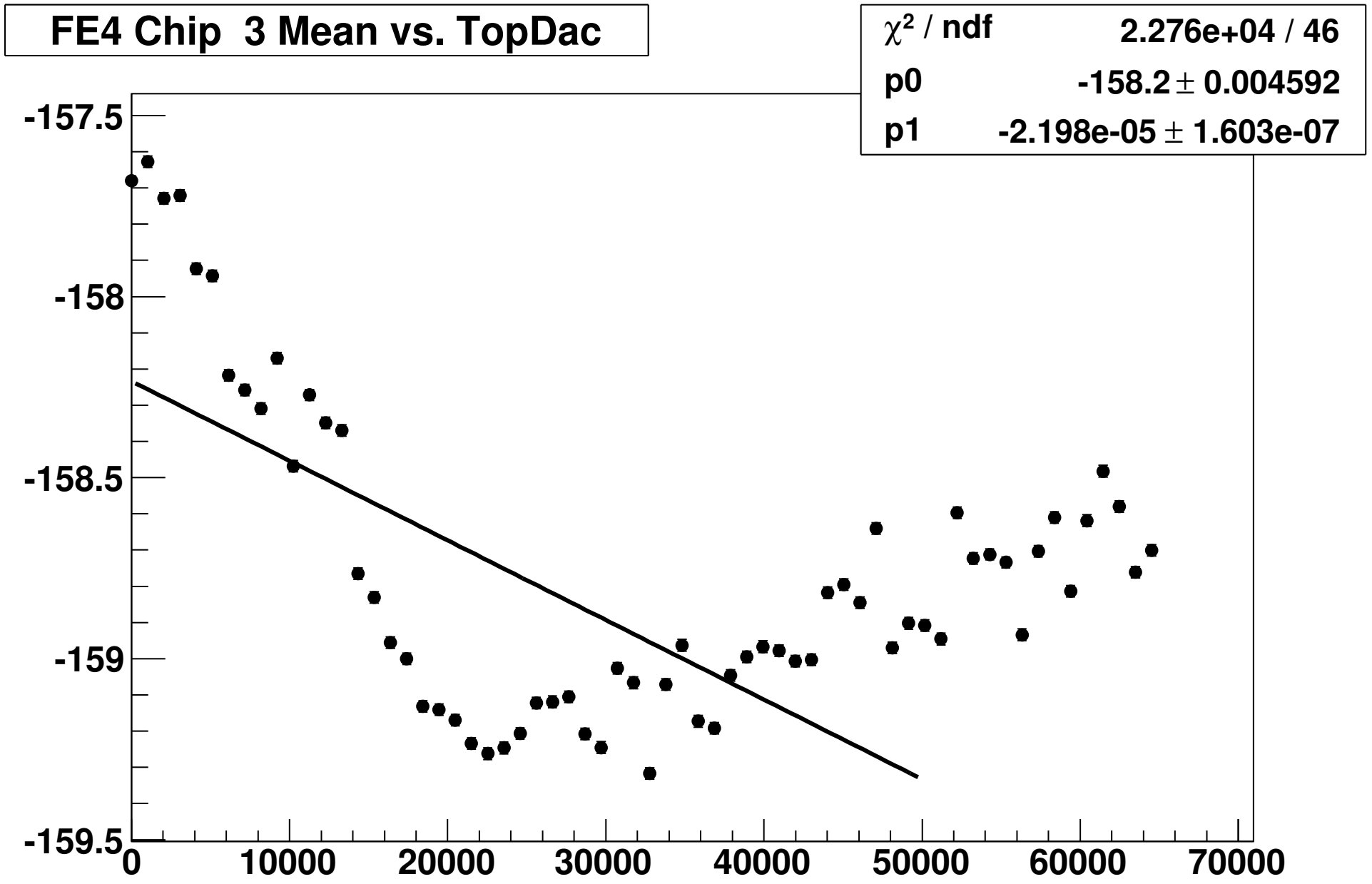

FE4 Chip 3 Mean vs. BotDac
χ² / ndf 7.476e+04 / 46
p0 -157.1 ± 0.004589
p1 0.4513 ± 1.837e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 837.6 / 46
p0 1.35 ± 0.002582
p1 3.521e-05 ± 1.365e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 2.276e+04 / 46
p0 -158.2 ± 0.004592
p1 -2.198e-05 ± 1.603e-07
-157.5
-158
-158.5
-159
-159.5
0
10000
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40000
50000
60000
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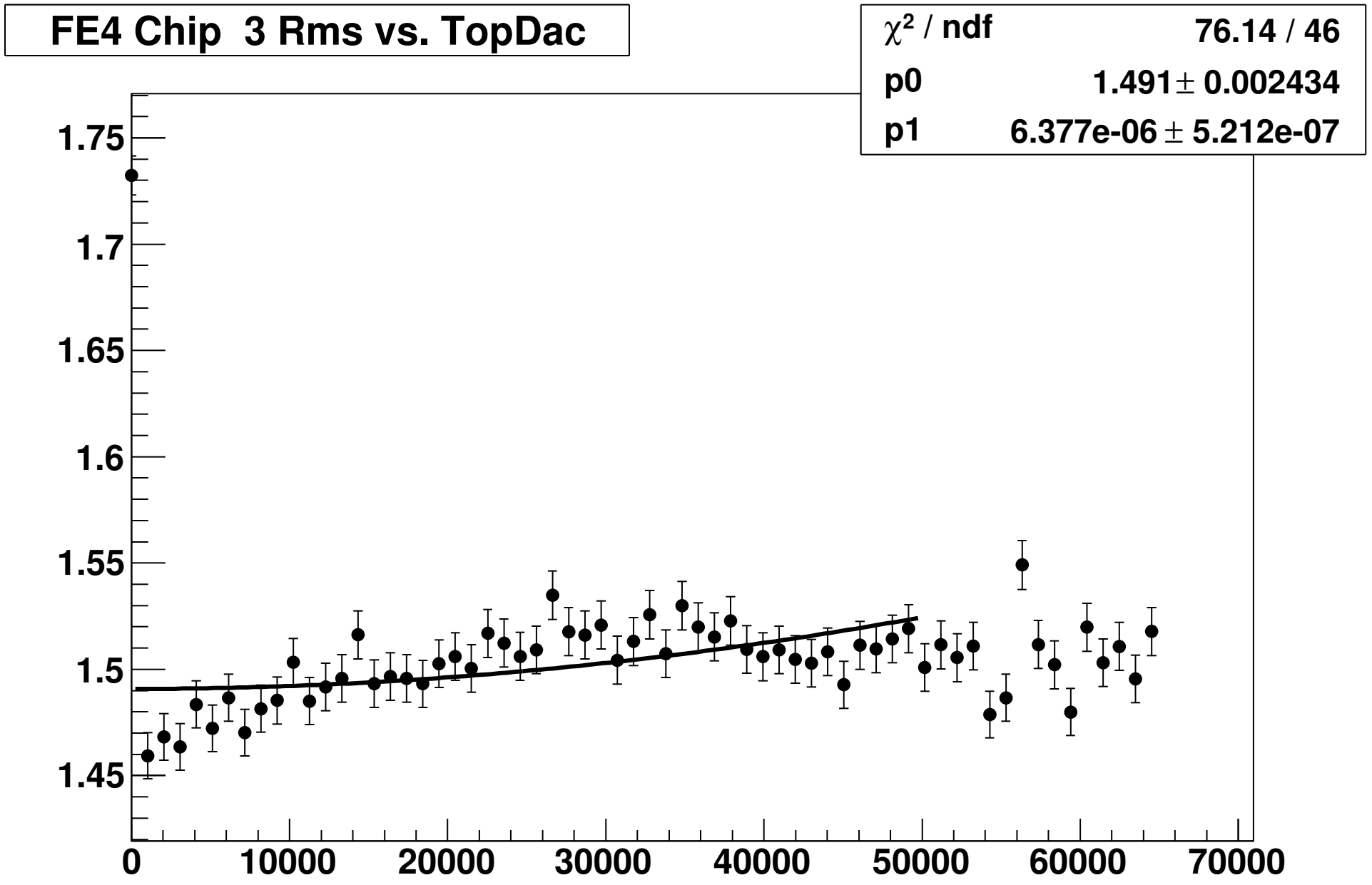
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 76.14 / 46
p0 1.491 ± 0.002434
p1 6.377e-06 ± 5.212e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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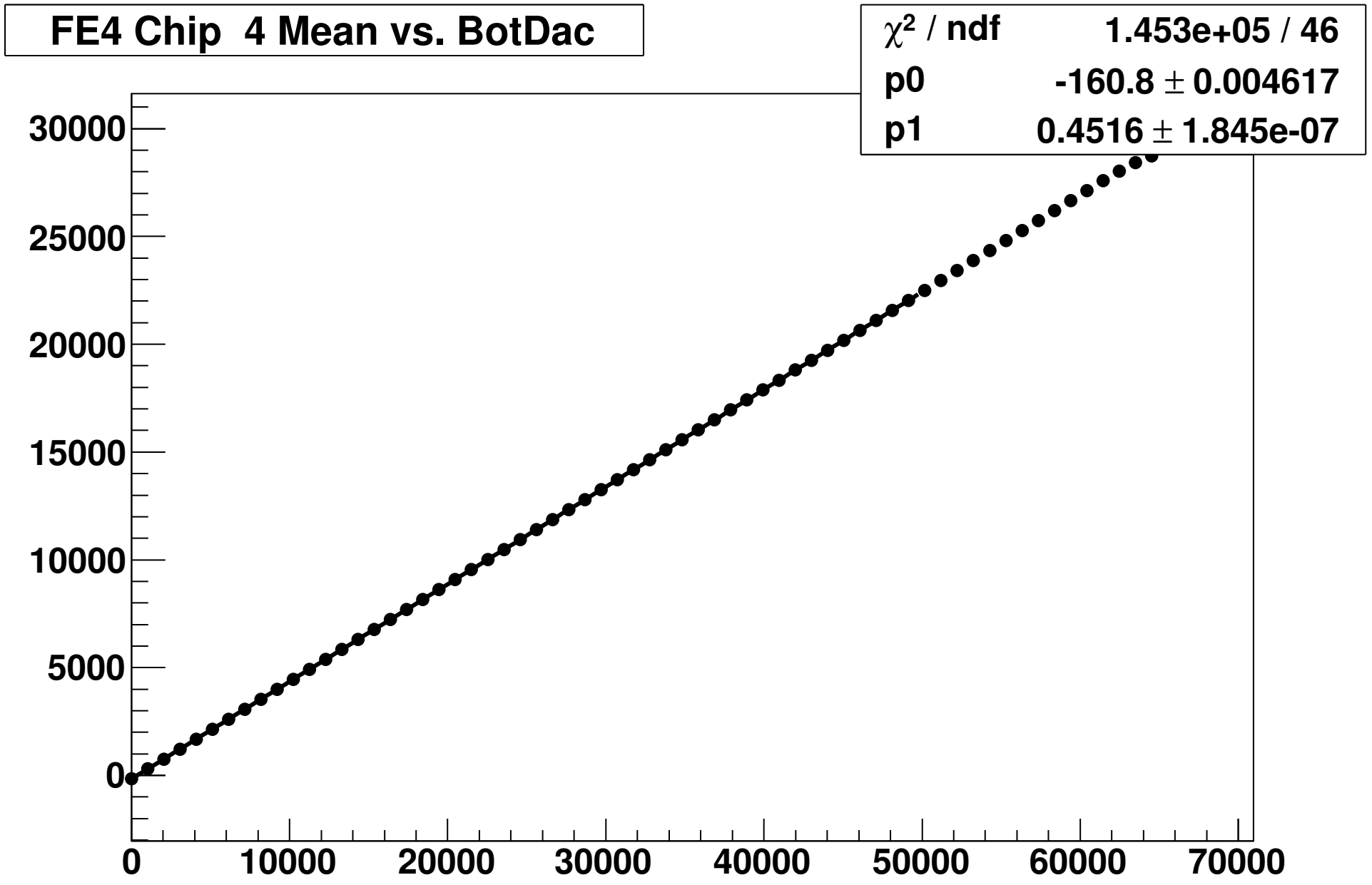
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 1.453e+05 / 46
p0 -160.8 ± 0.004617
p1 0.4516 ± 1.845e-07
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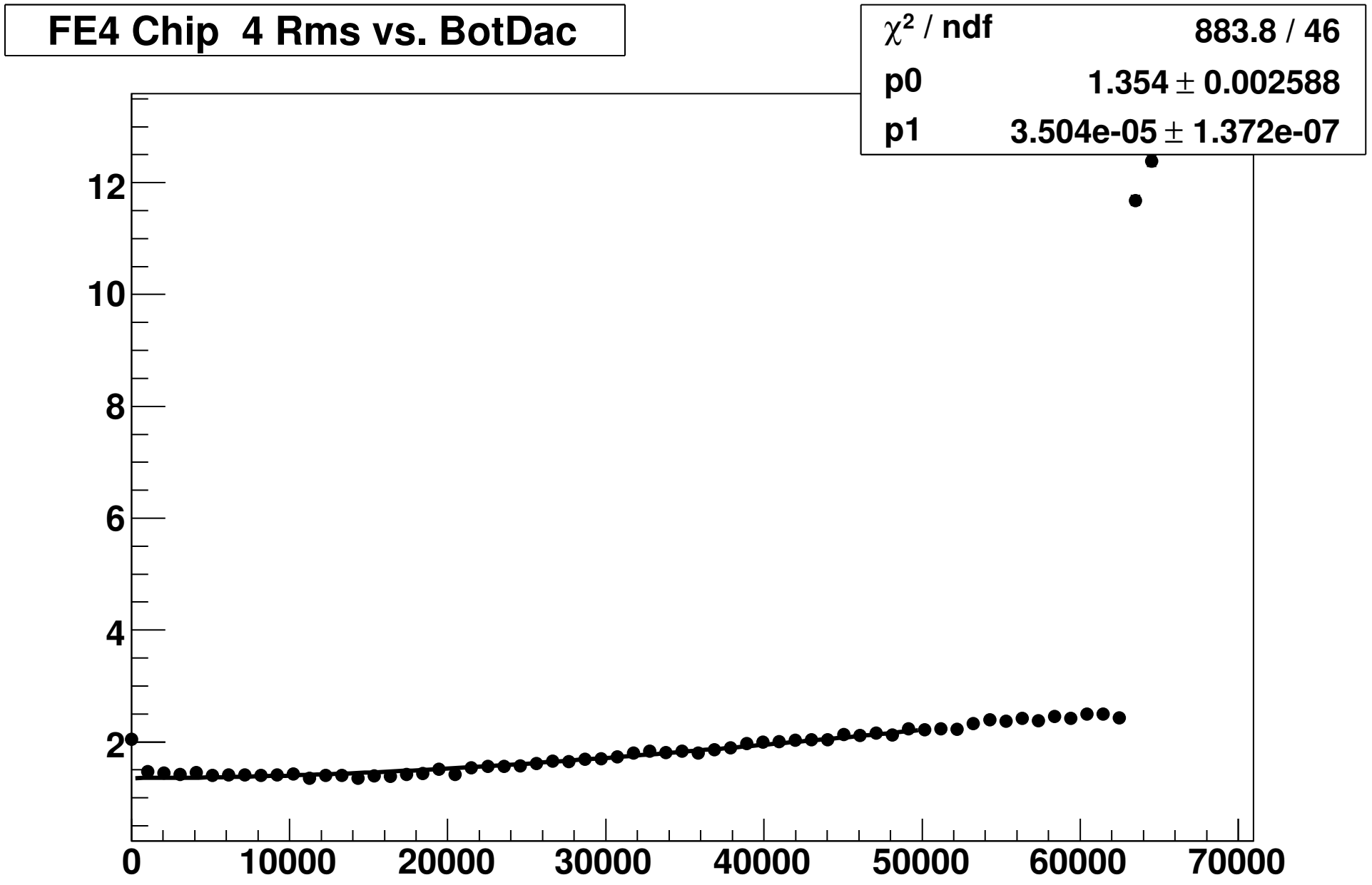
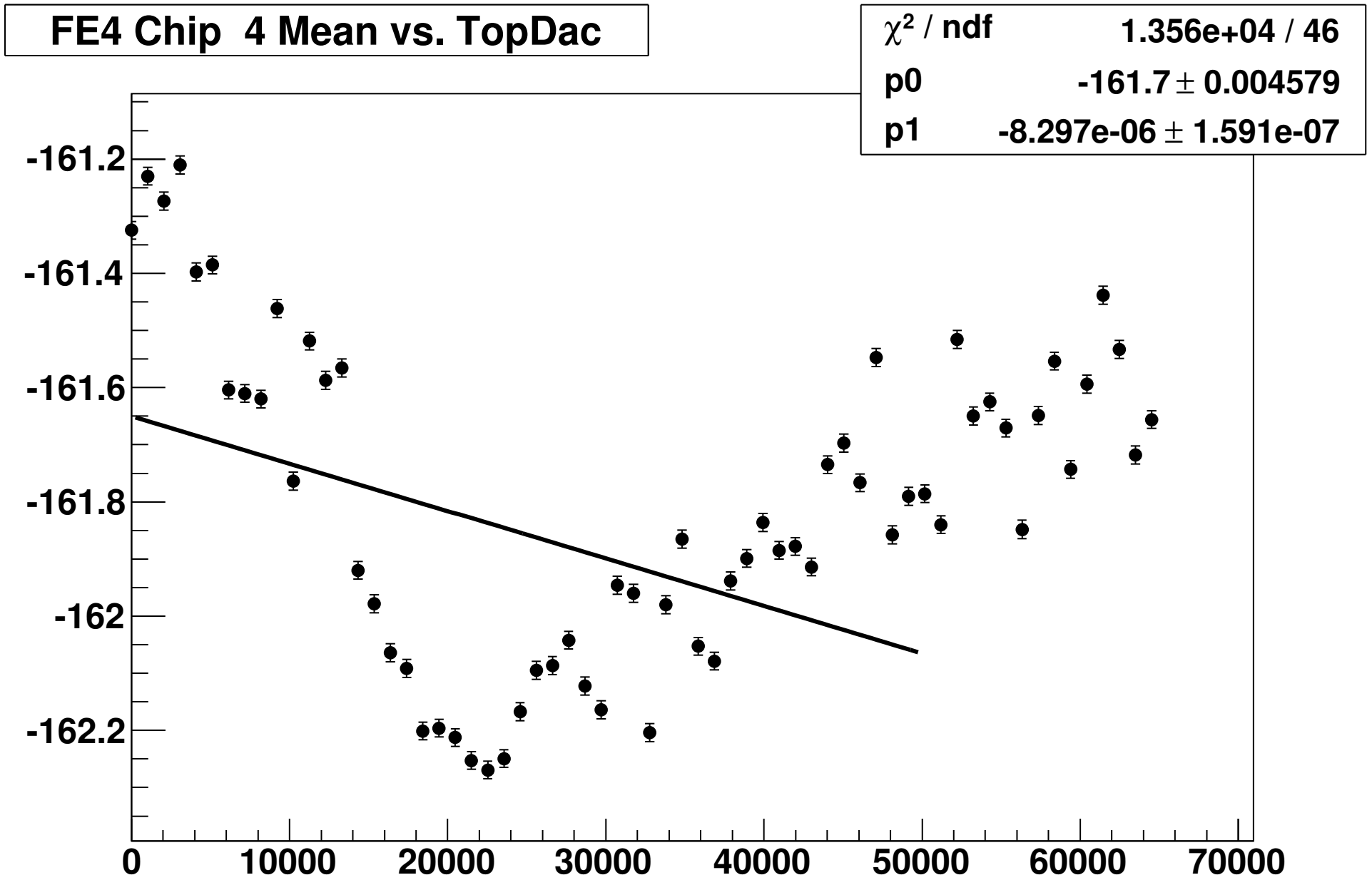
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 883.8 / 46
p0 1.354 ± 0.002588
p1 3.504e-05 ± 1.372e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 1.356e+04 / 46
p0 -161.7 ± 0.004579
p1 -8.297e-06 ± 1.591e-07
-161.2
-161.4
-161.6
-161.8
-162
-162.2
0
10000
20000
30000
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60000
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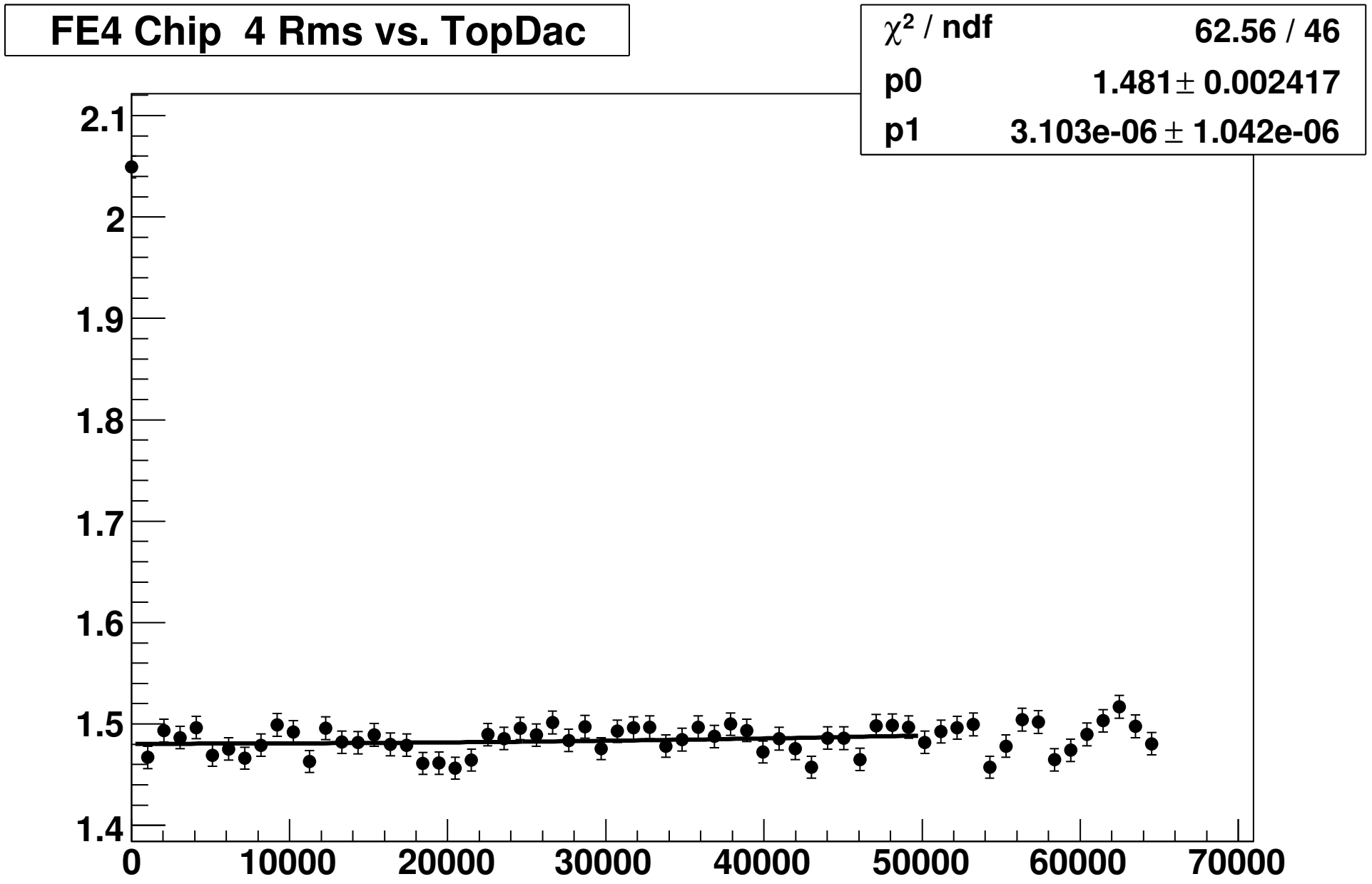
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 62.56 / 46
p0 1.481 ± 0.002417
p1 3.103e-06 ± 1.042e-06
2.1
2
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000
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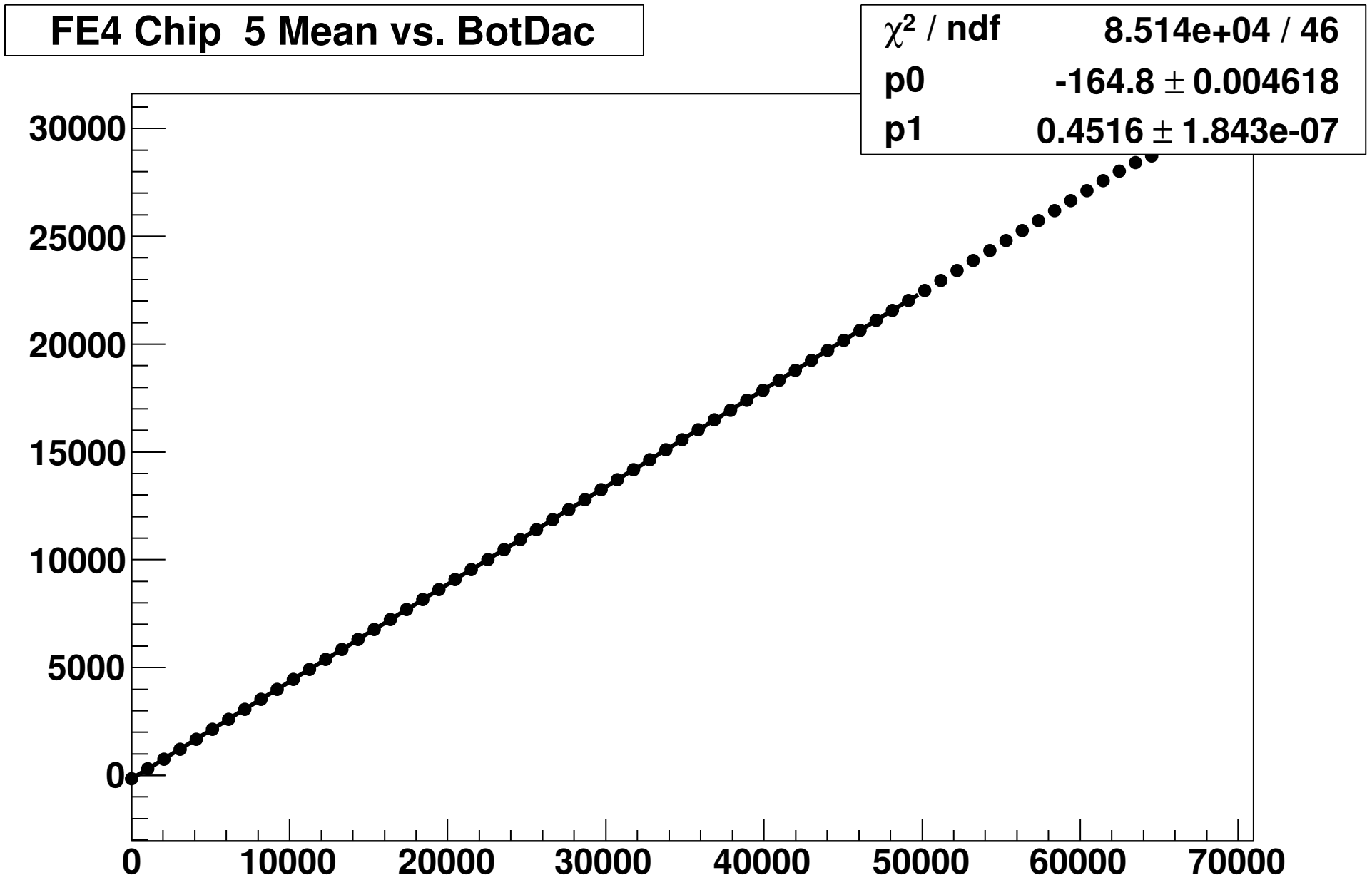
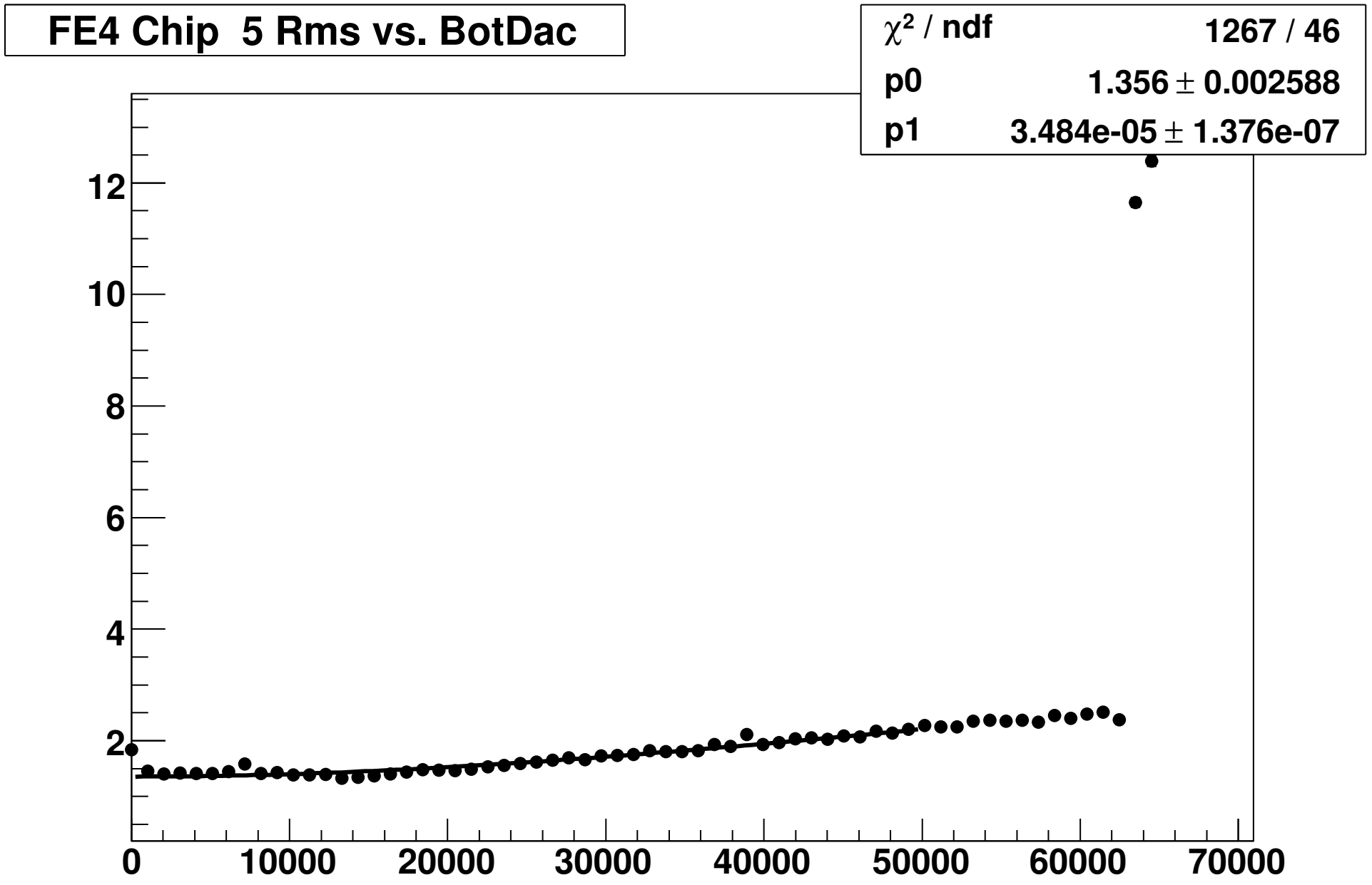

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 8.514e+04 / 46
p0 -164.8 ± 0.004618
p1 0.4516 ± 1.843e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 1267 / 46
p0 1.356 ± 0.002588
p1 3.484e-05 ± 1.376e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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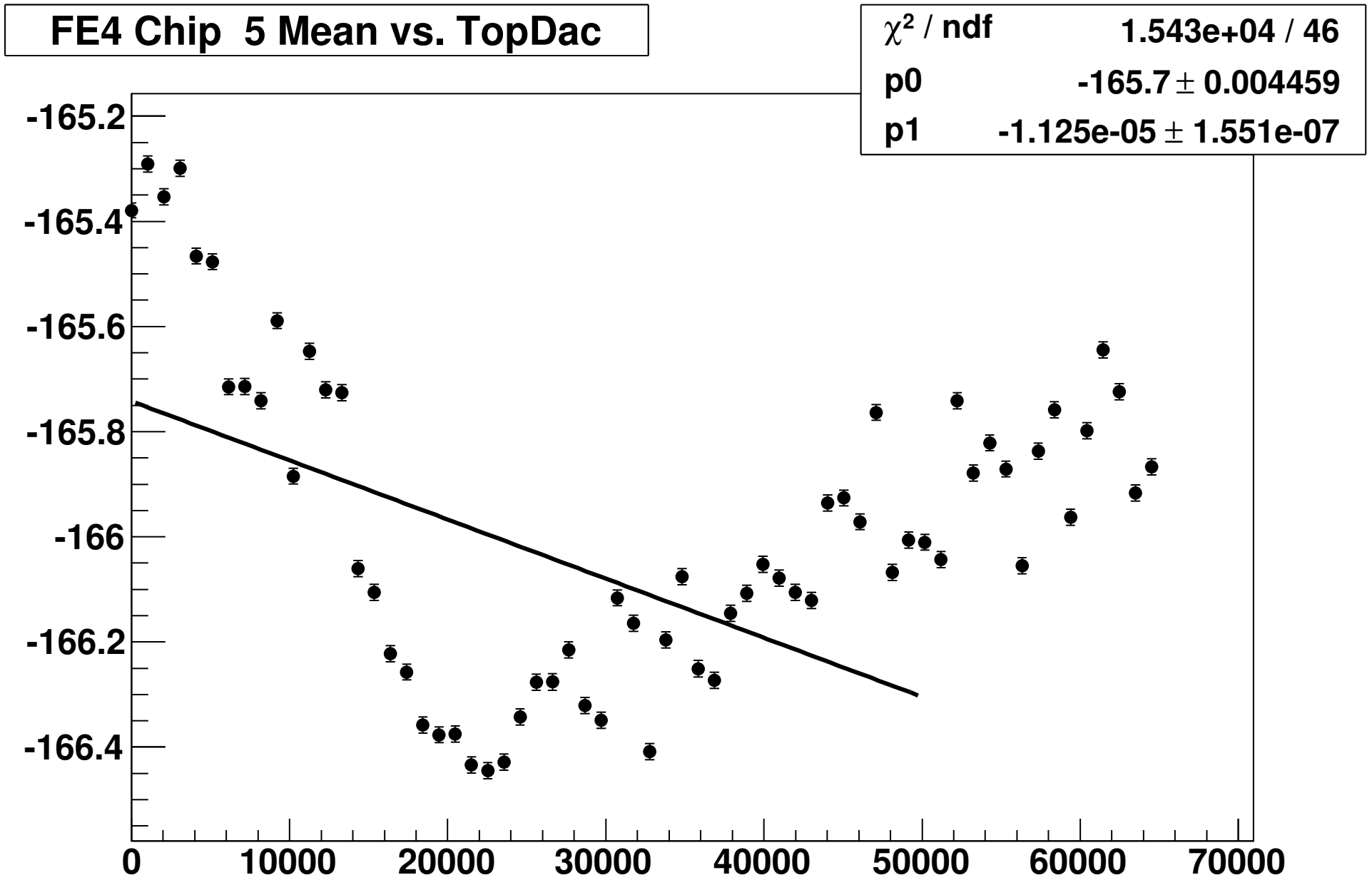
FE4 Chip 5 Mean vs. TopDac
χ² / ndf 1.543e+04 / 46
p0 -165.7 ± 0.004459
p1 -1.125e-05 ± 1.551e-07
-165.2
-165.4
-165.6
-165.8
-166
-166.2
-166.4
0
10000
20000
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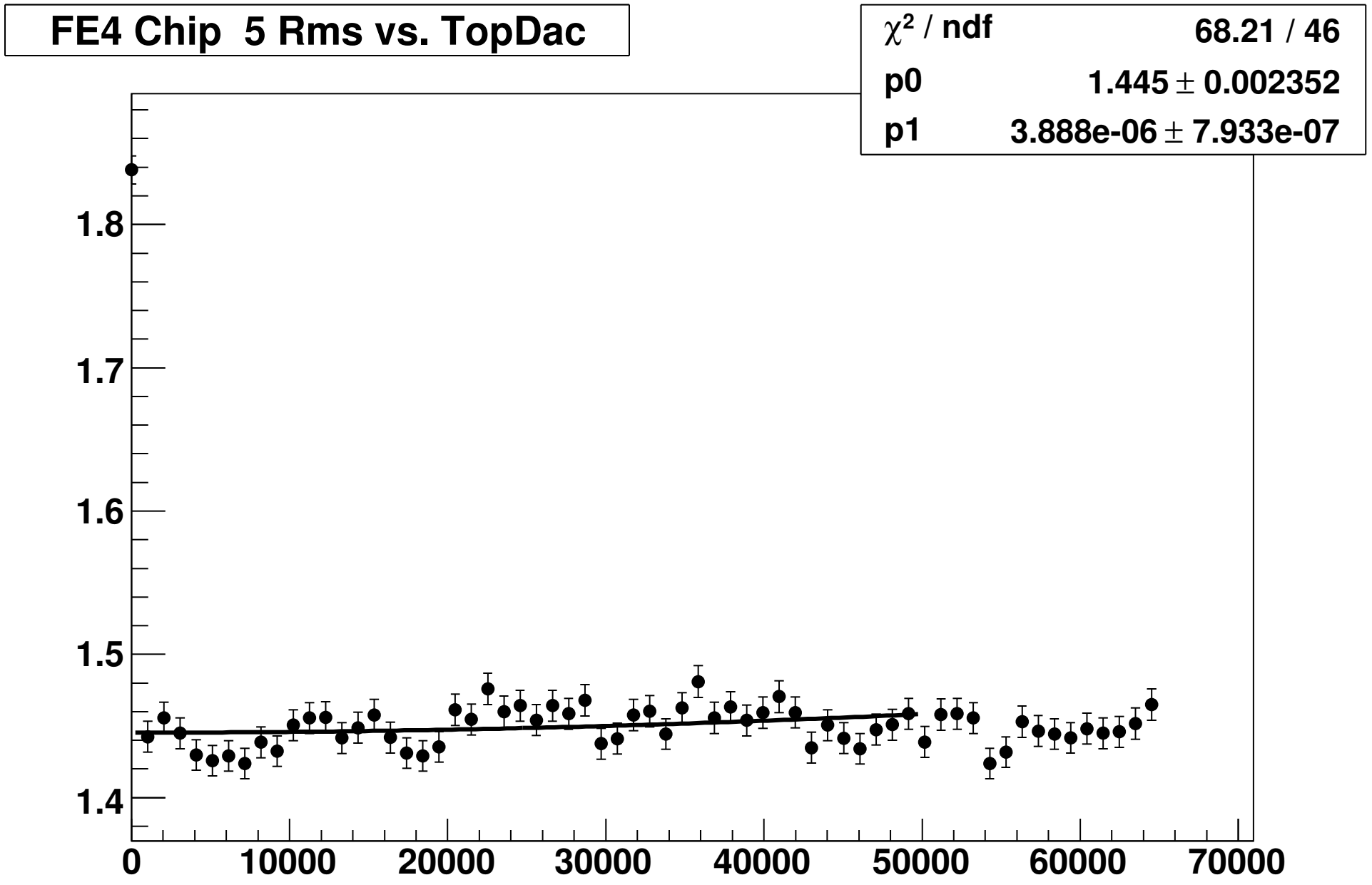
60000
70000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 68.21 / 46
p0 1.445 ± 0.002352
p1 3.888e-06 ± 7.933e-07
1.8
1.7
1.6
1.5
1.4
0
10000
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60000
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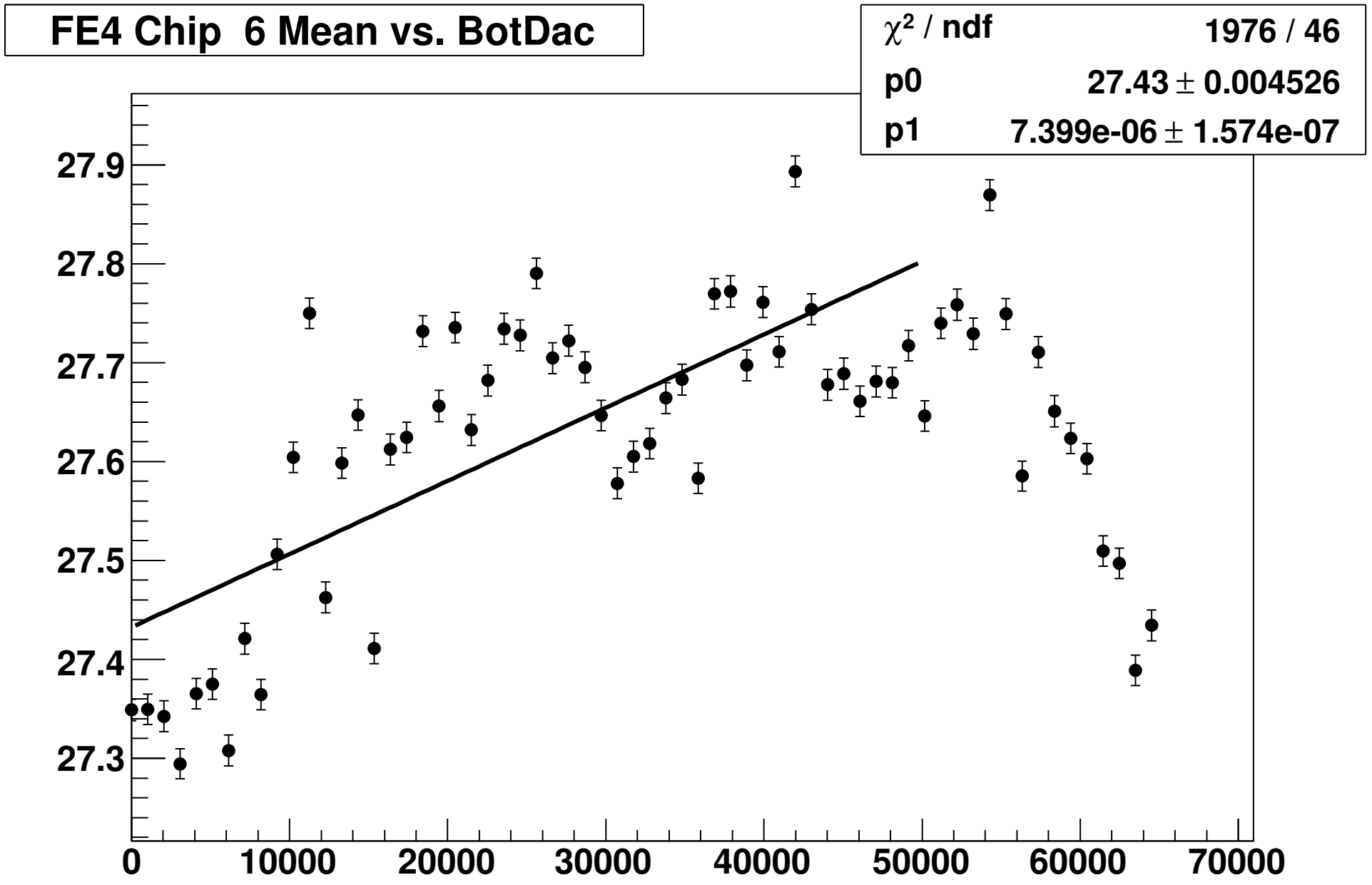
FE4 Chip 6 Mean vs. BotDac
χ² / ndf 1976 / 46
p0 27.43 ± 0.004526
p1 7.399e-06 ± 1.574e-07
27.9
27.8
27.7
27.6
27.5
27.4
27.3
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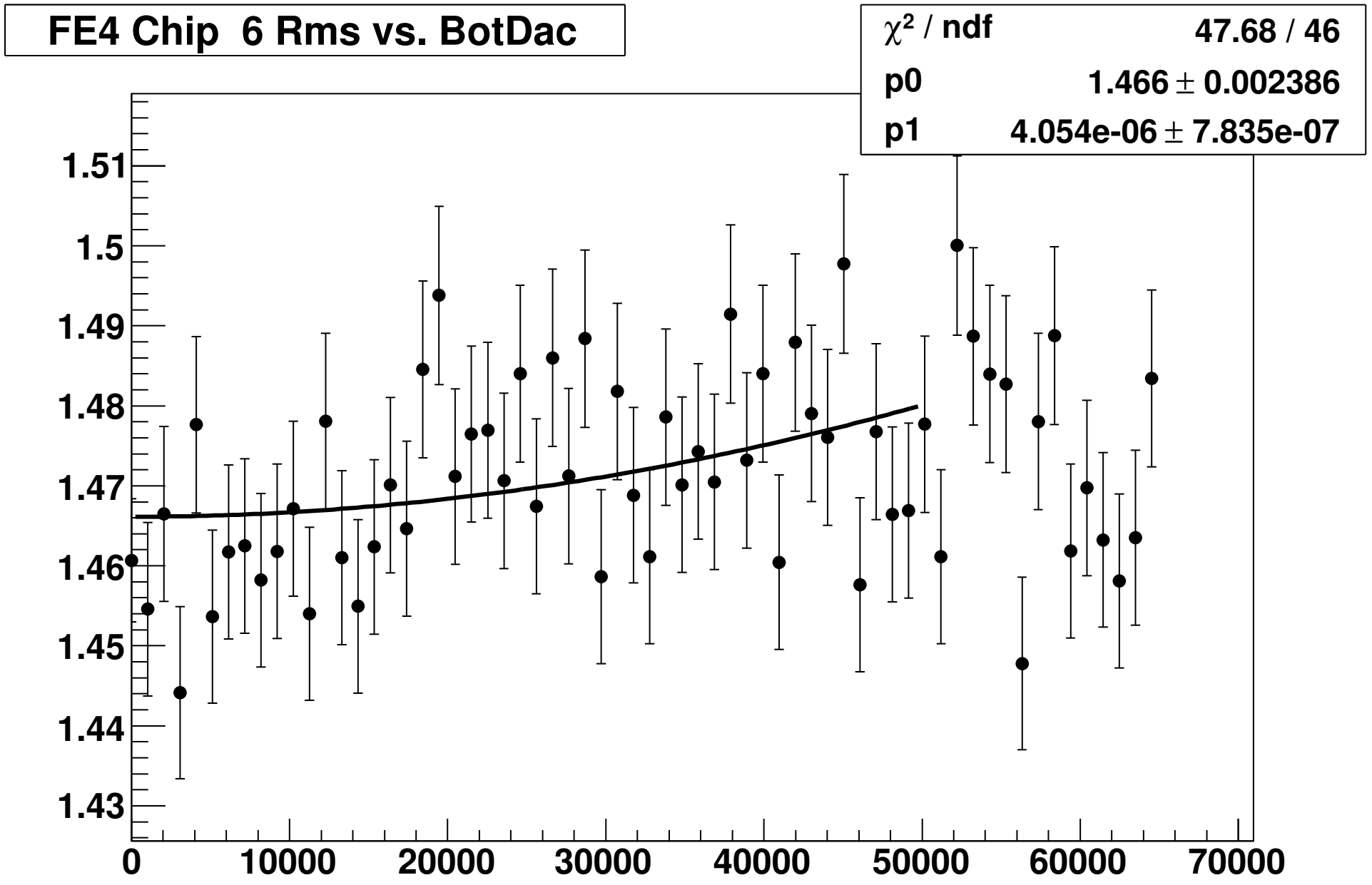
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 47.68 / 46
p0 1.466 ± 0.002386
p1 4.054e-06 ± 7.835e-07
1.51
1.5
1.49
1.48
1.47
1.46
1.45
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1.43
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20000
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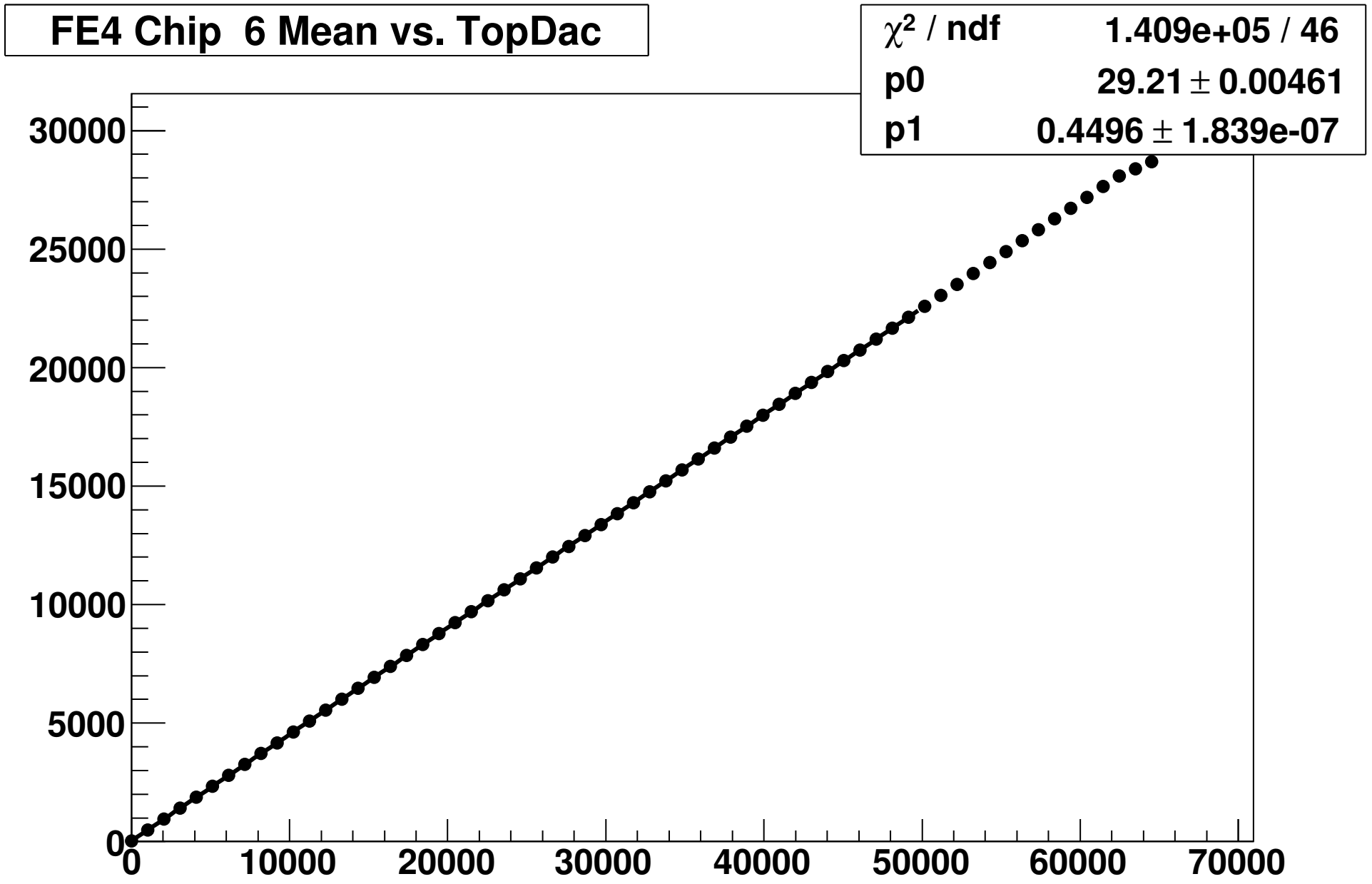
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.409e+05 / 46
p0 29.21 ± 0.00461
p1 0.4496 ± 1.839e-07
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25000
20000
15000
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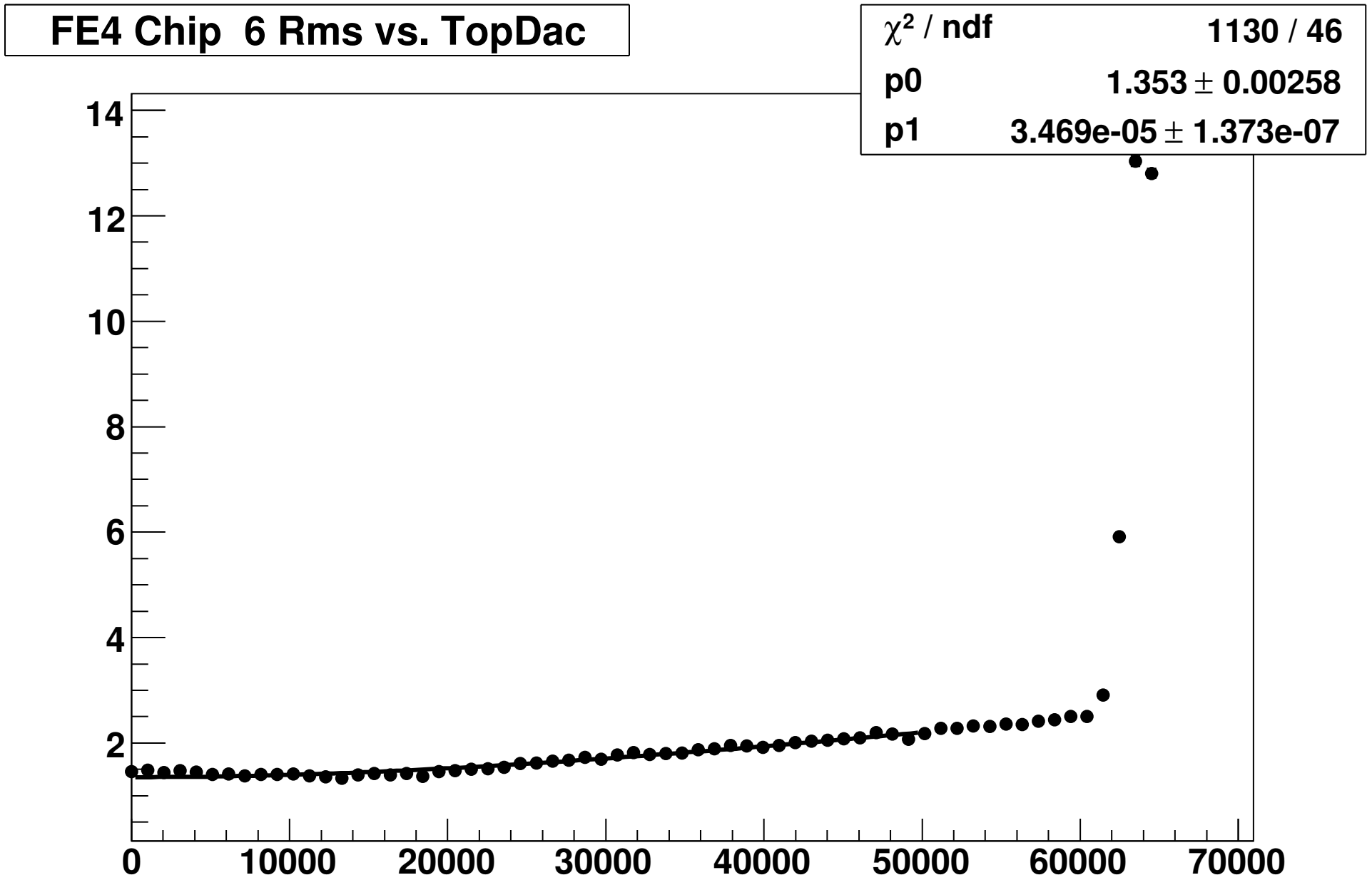
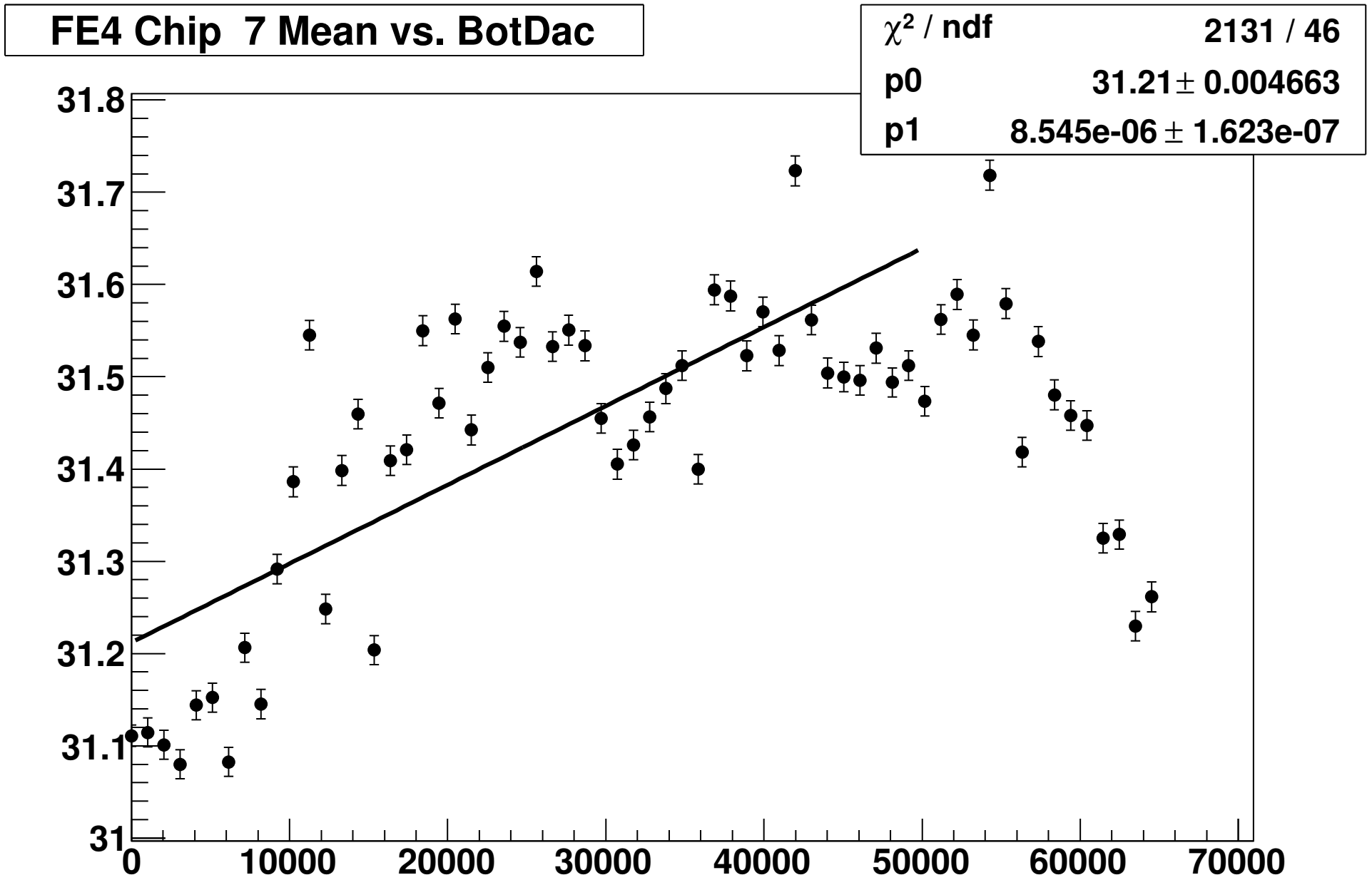
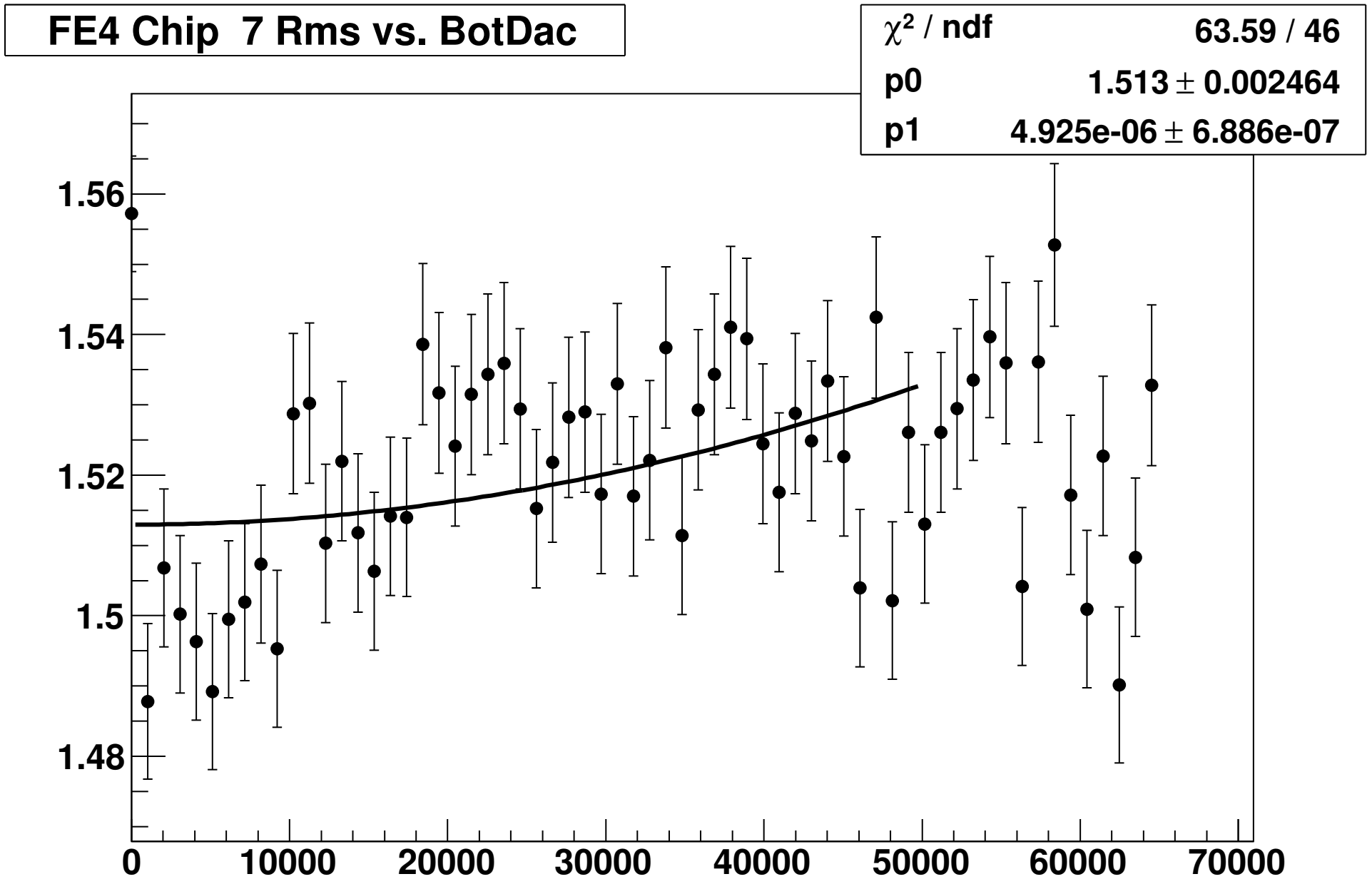
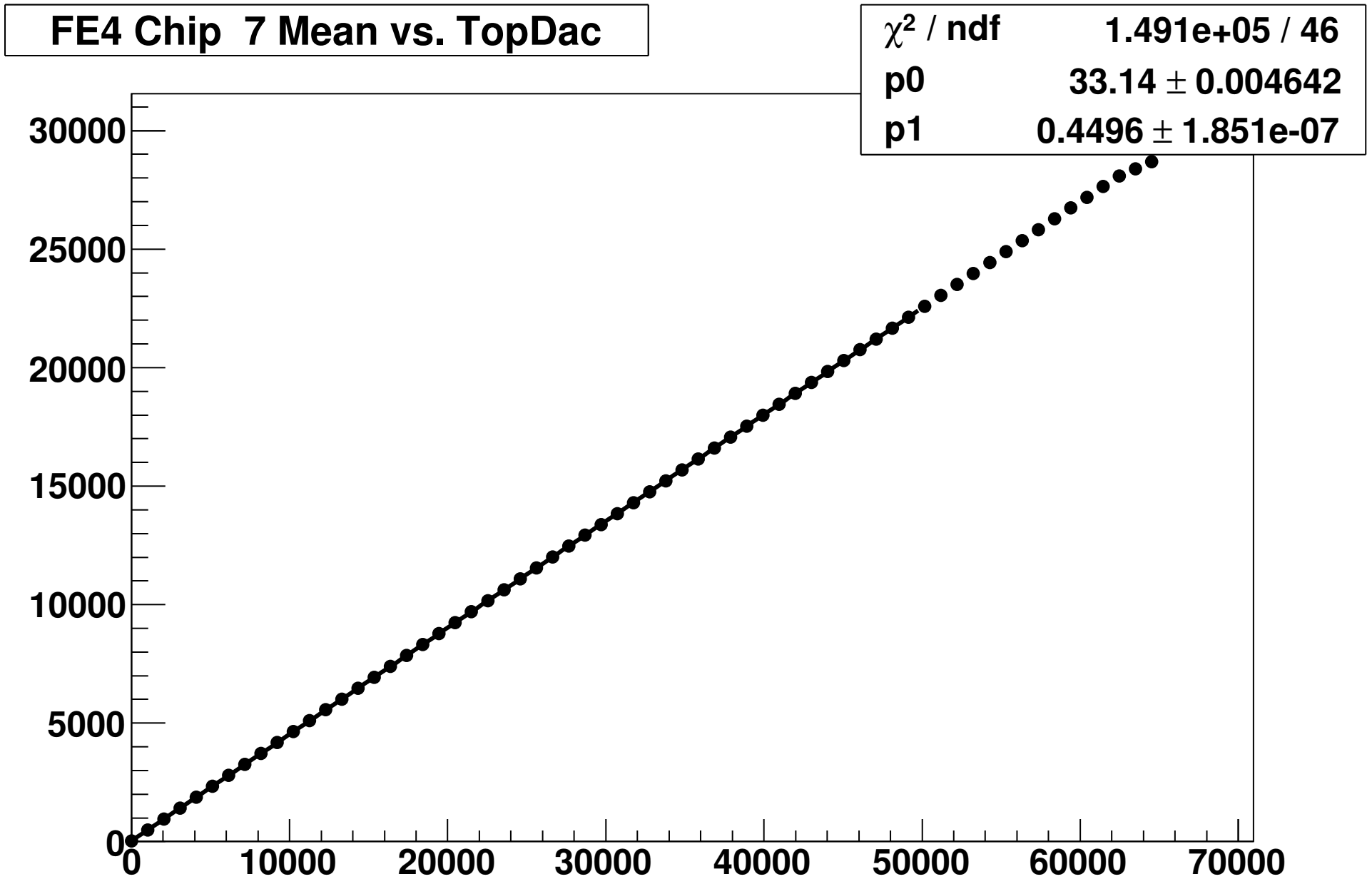
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 1130 / 46
p0 1.353 ± 0.00258
p1 3.469e-05 ± 1.373e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 2131 / 46
p0 31.21 ± 0.004663
p1 8.545e-06 ± 1.623e-07
31.8
31.7
31.6
31.5
31.4
31.3
31.2
31.1
31
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 63.59 / 46
p0 1.513 ± 0.002464
p1 4.925e-06 ± 6.886e-07
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.491e+05 / 46
p0 33.14 ± 0.004642
p1 0.4496 ± 1.851e-07
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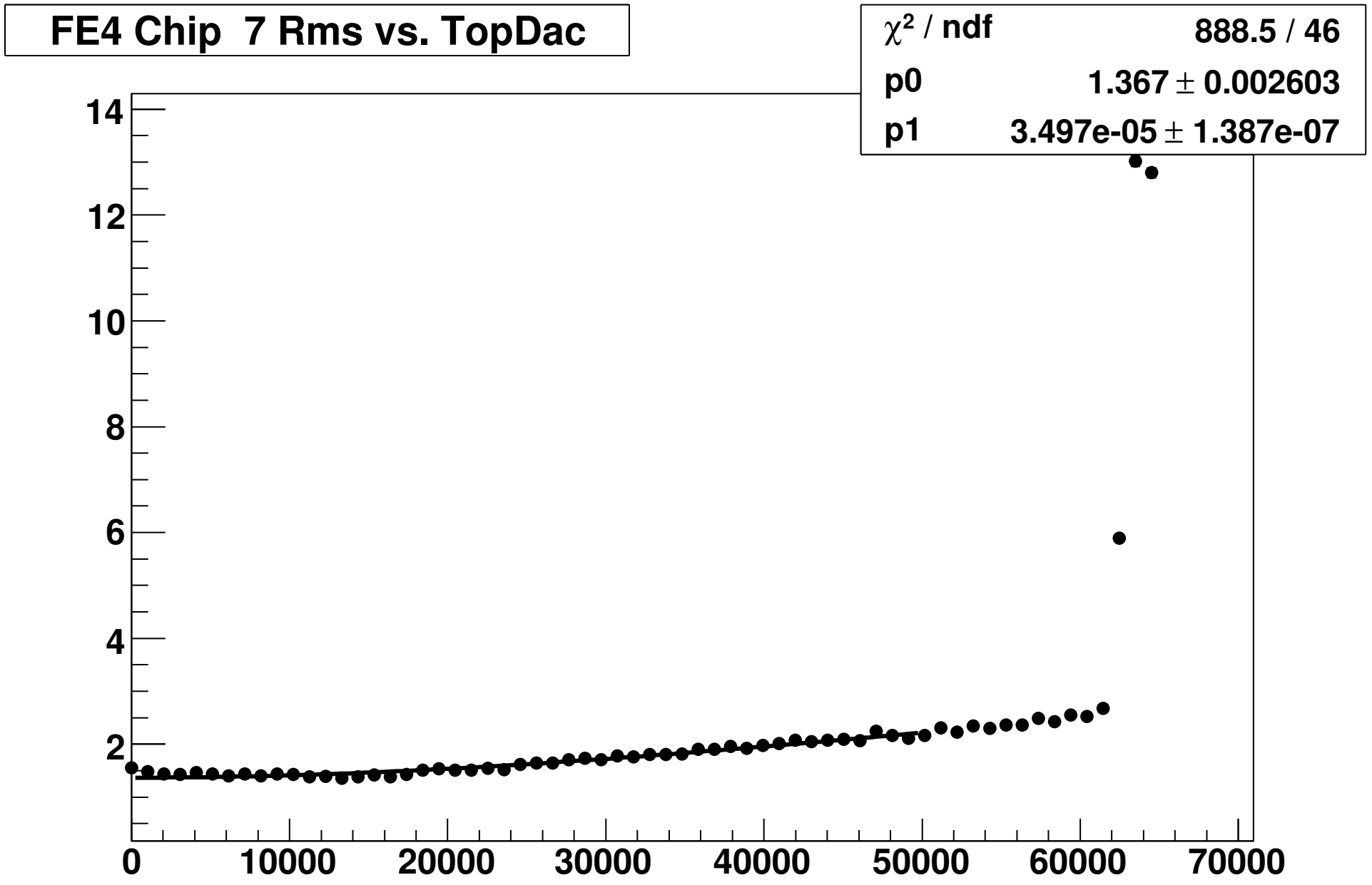
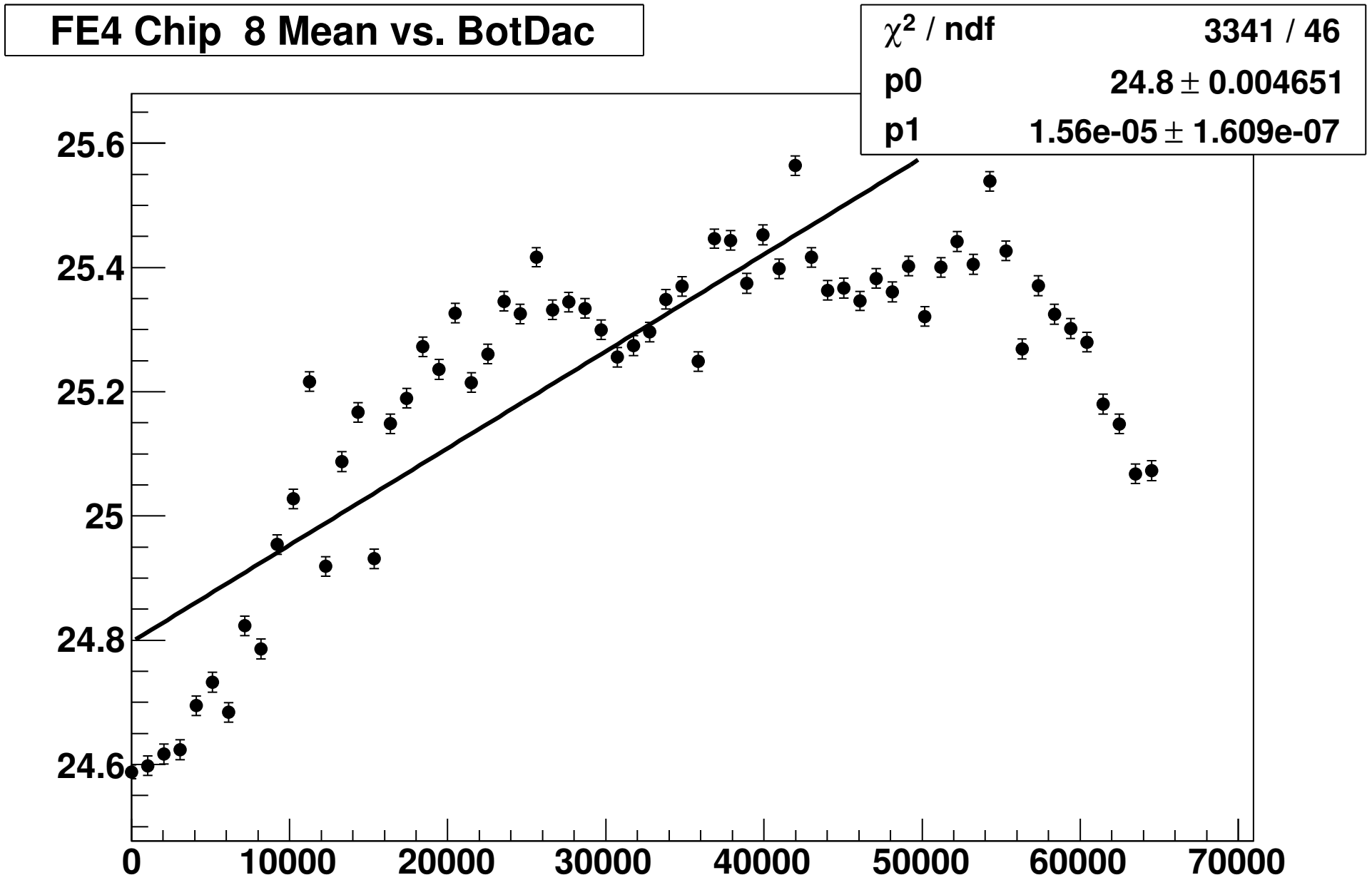
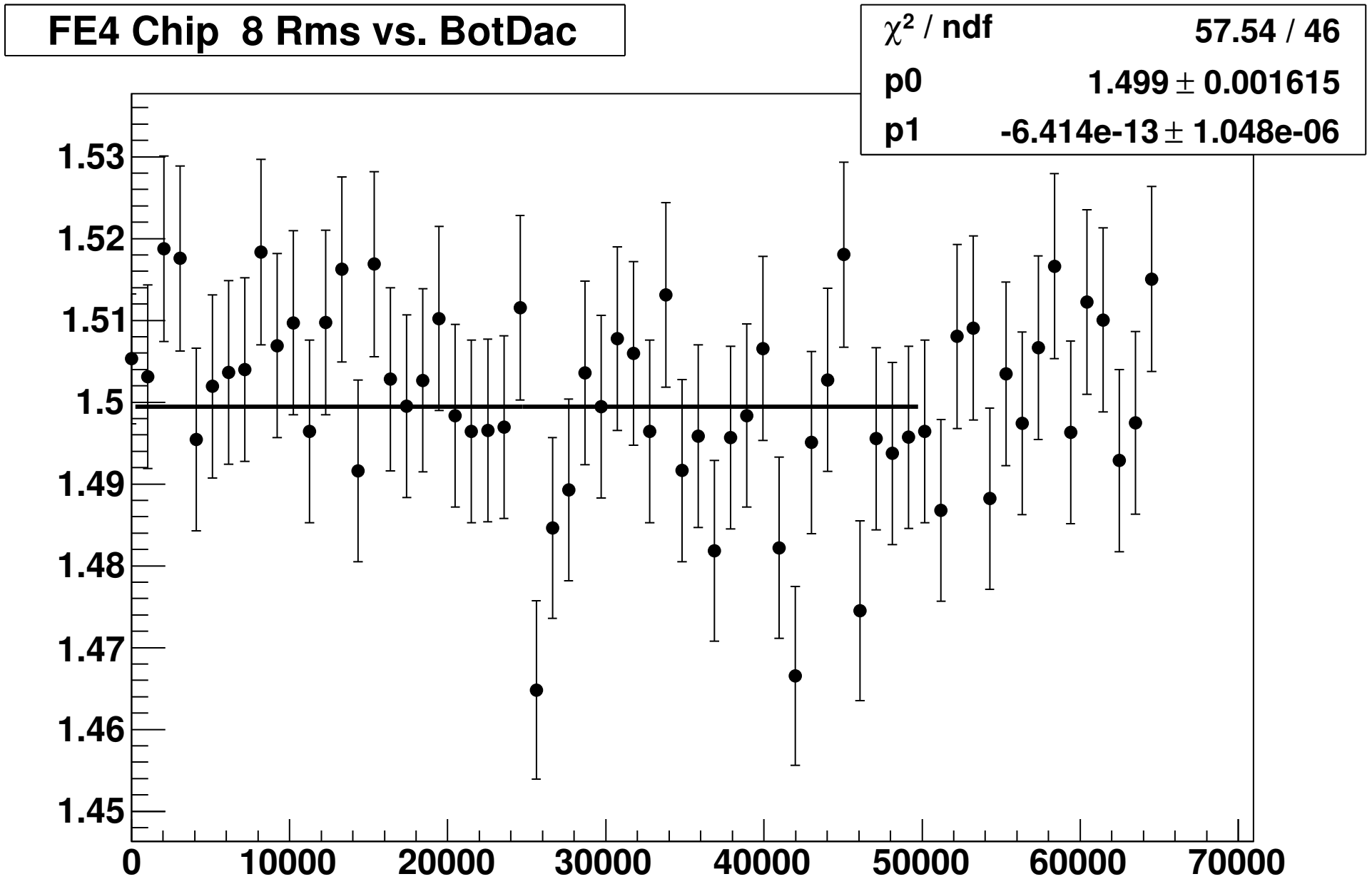
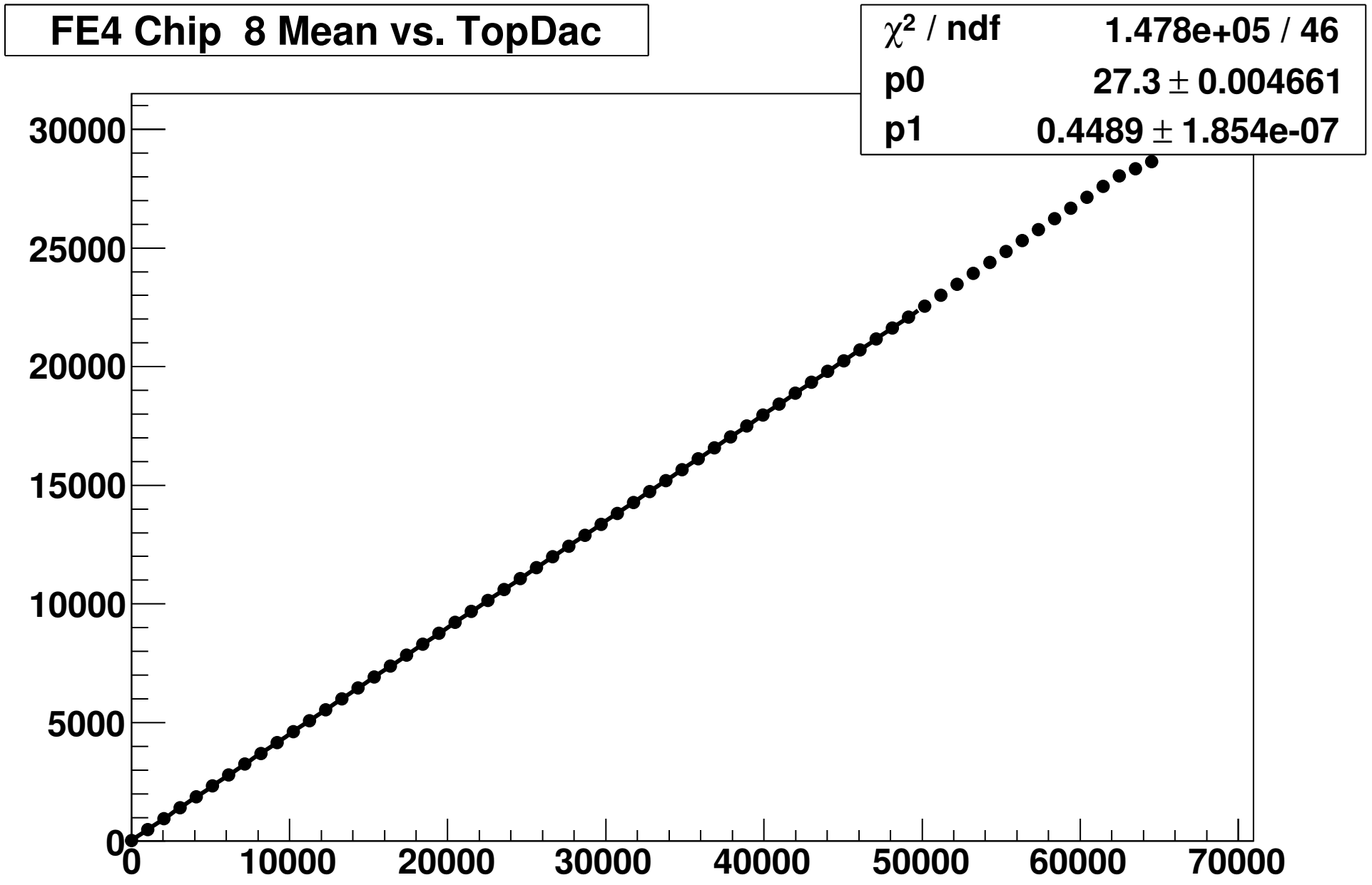
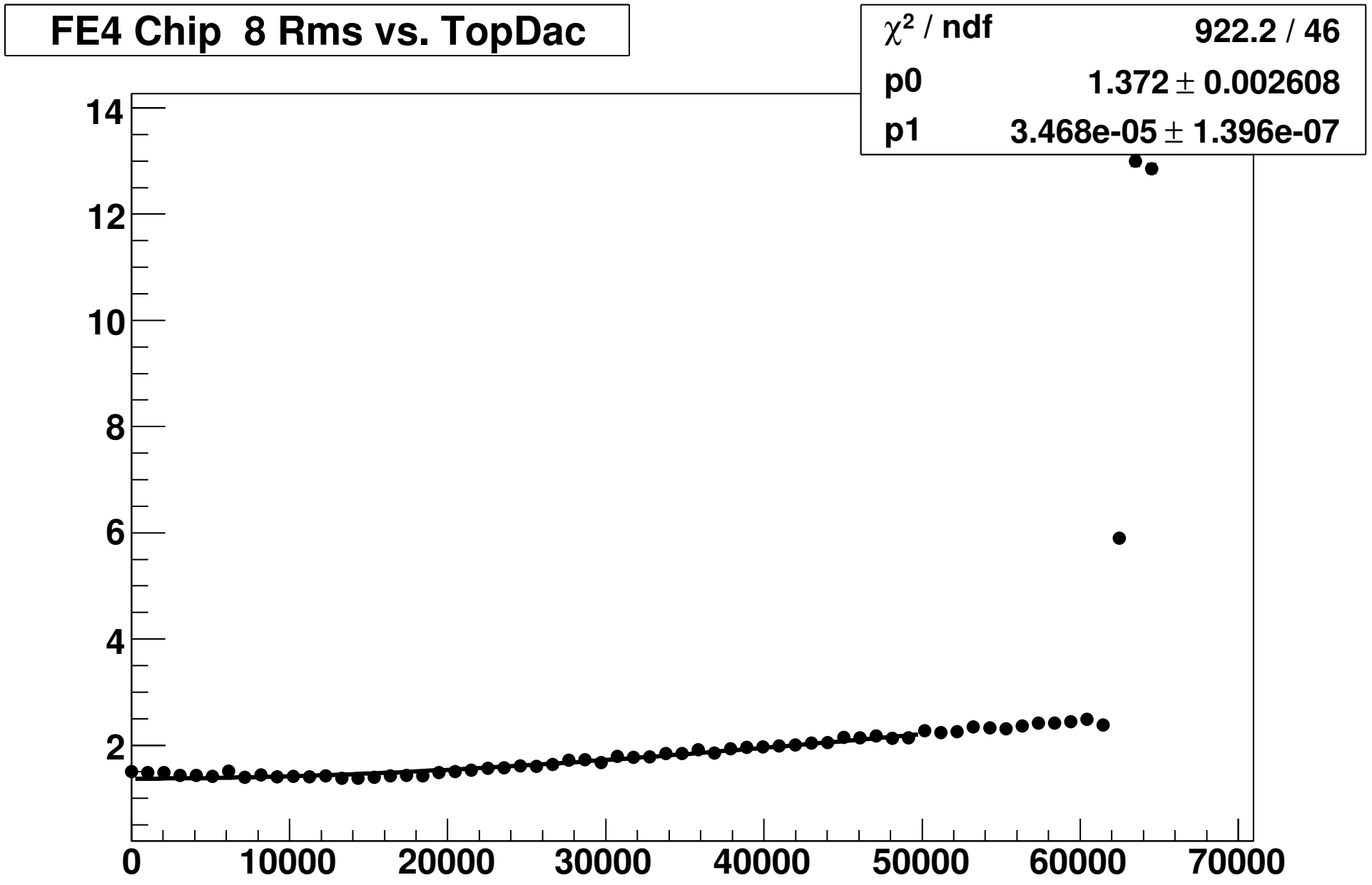
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

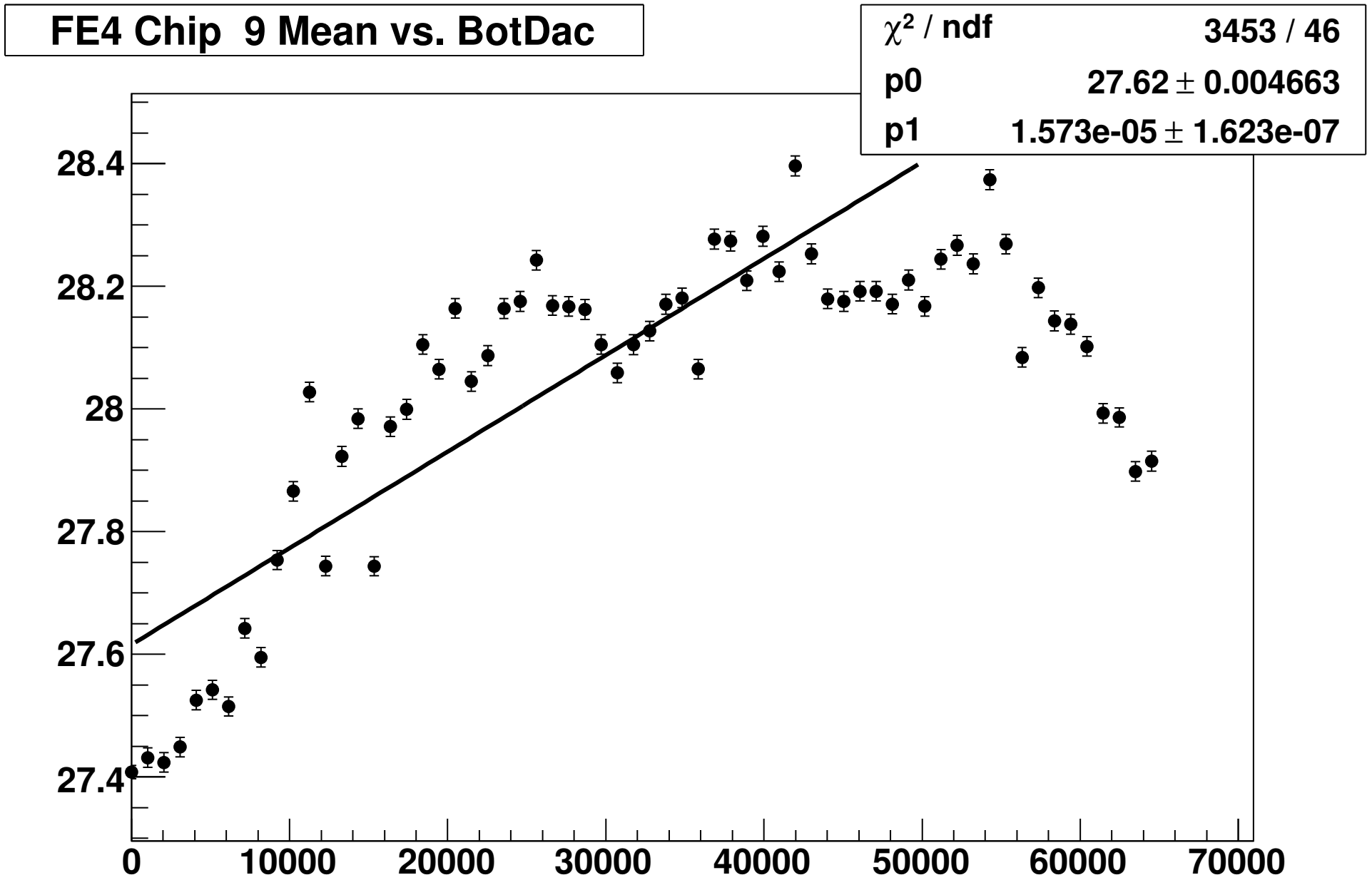

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 888.5 / 46
p0 1.367 ± 0.002603
p1 3.497e-05 ± 1.387e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

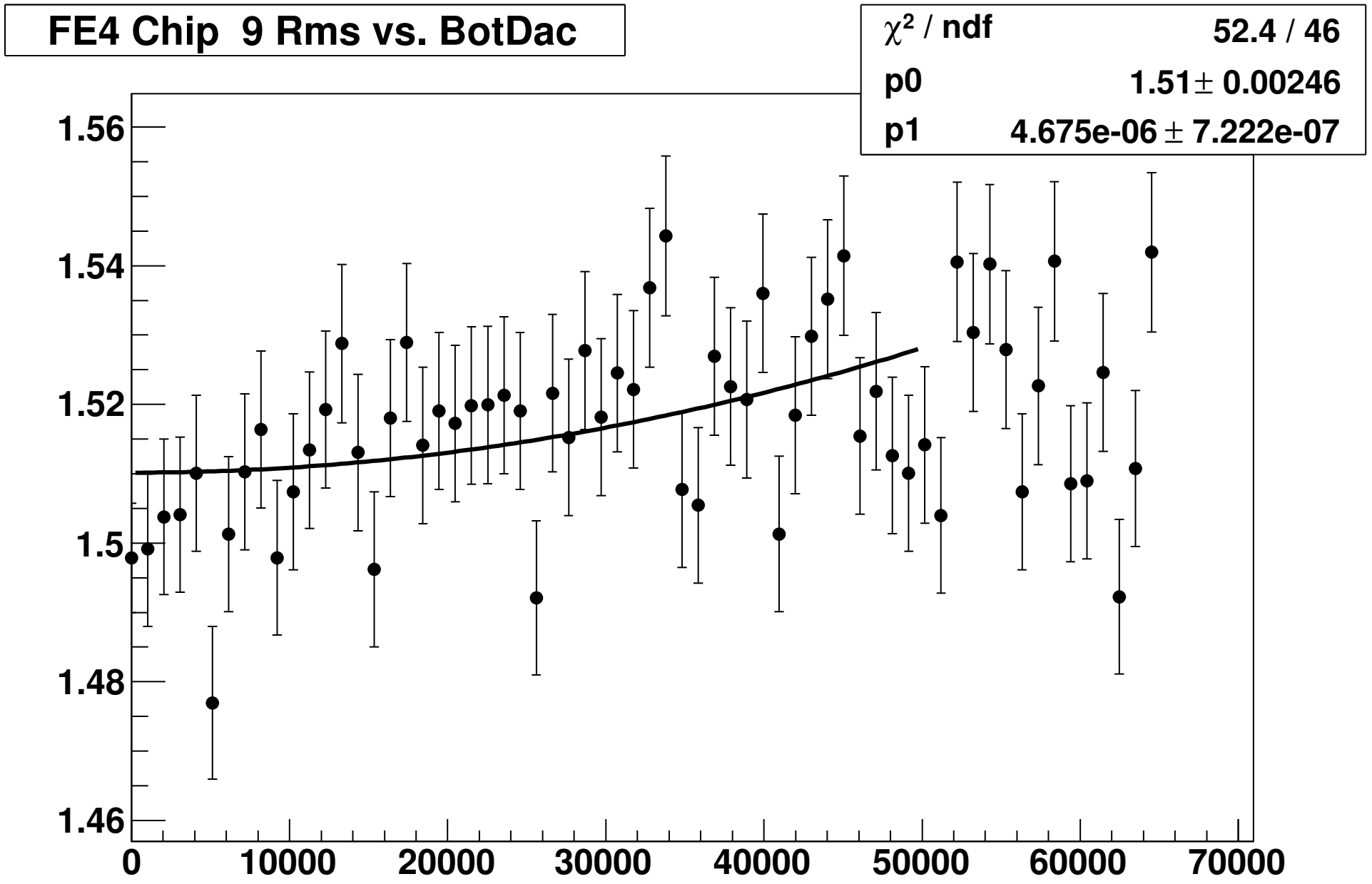

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 3341 / 46
p0 24.8 ± 0.004651
p1 1.56e-05 ± 1.609e-07
25.6
25.4
25.2
25
24.8
24.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 57.54 / 46
p0 1.499 ± 0.001615
p1 -6.414e-13 ± 1.048e-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


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 1.478e+05 / 46
p0 27.3 ± 0.004661
p1 0.4489 ± 1.854e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 922.2 / 46
p0 1.372 ± 0.002608
p1 3.468e-05 ± 1.396e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 3453 / 46
p0 27.62 ± 0.004663
p1 1.573e-05 ± 1.623e-07
28.4
28.2
28
27.8
27.6
27.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 52.4 / 46
p0 1.51 ± 0.00246
p1 4.675e-06 ± 7.222e-07
1.56
1.54
1.52
1.5
1.48
1.46
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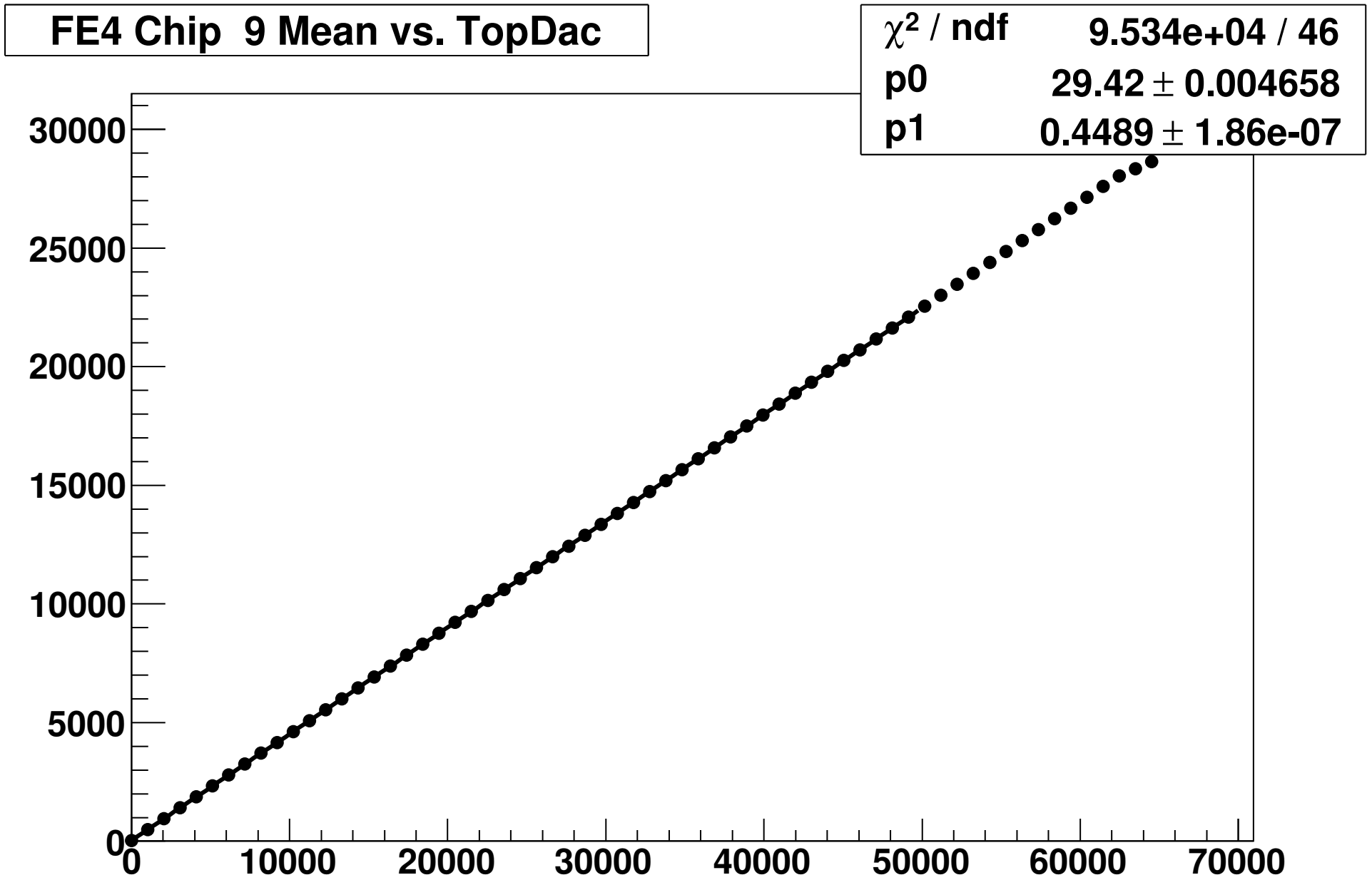
FE4 Chip 9 Mean vs. TopDac
χ² / ndf 9.534e+04 / 46
p0 29.42 ± 0.004658
p1 0.4489 ± 1.86e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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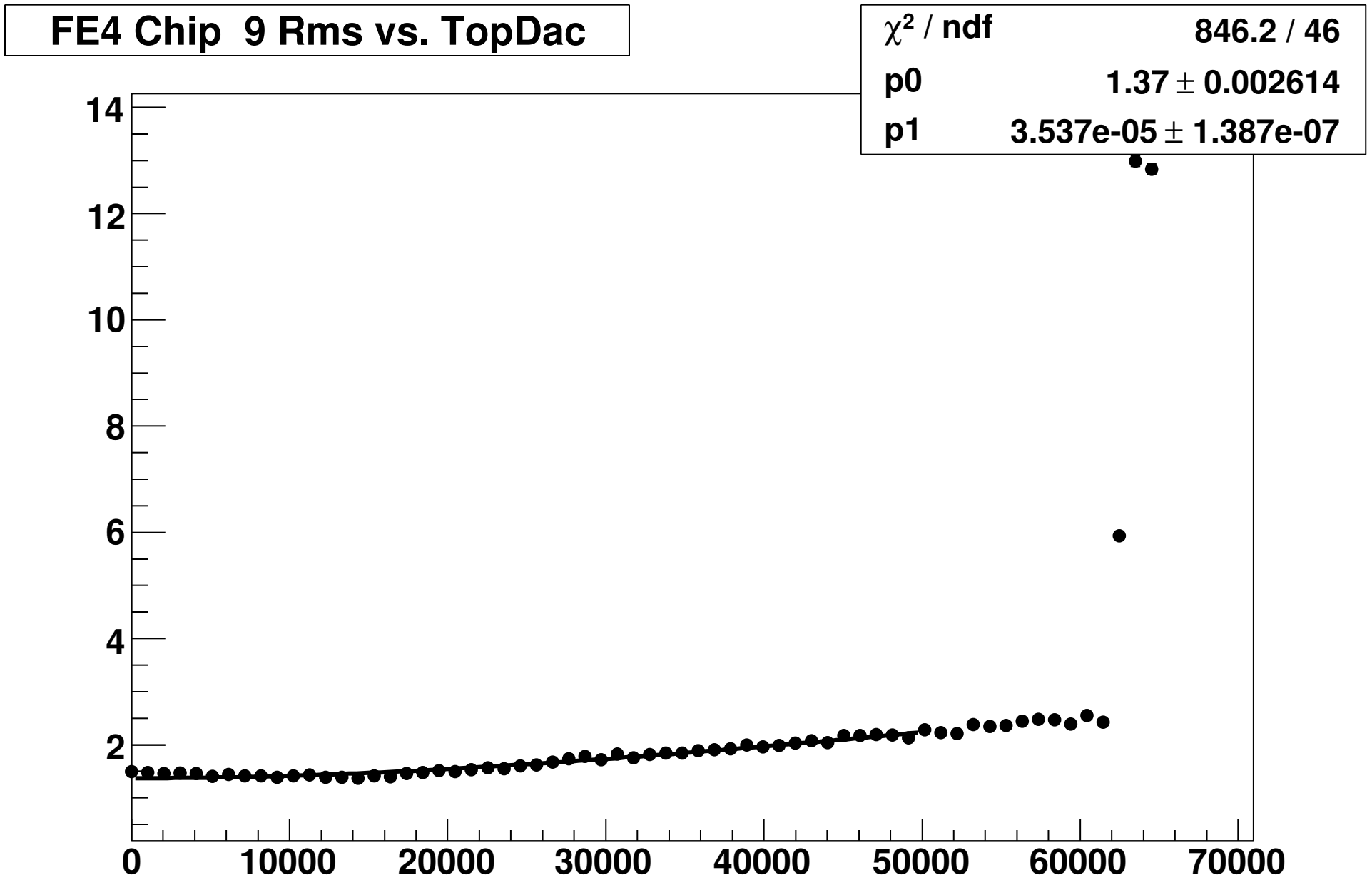
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 846.2 / 46
p0 1.37 ± 0.002614
p1 3.537e-05 ± 1.387e-07
14
12
10
8
6
4
2
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10000
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30000
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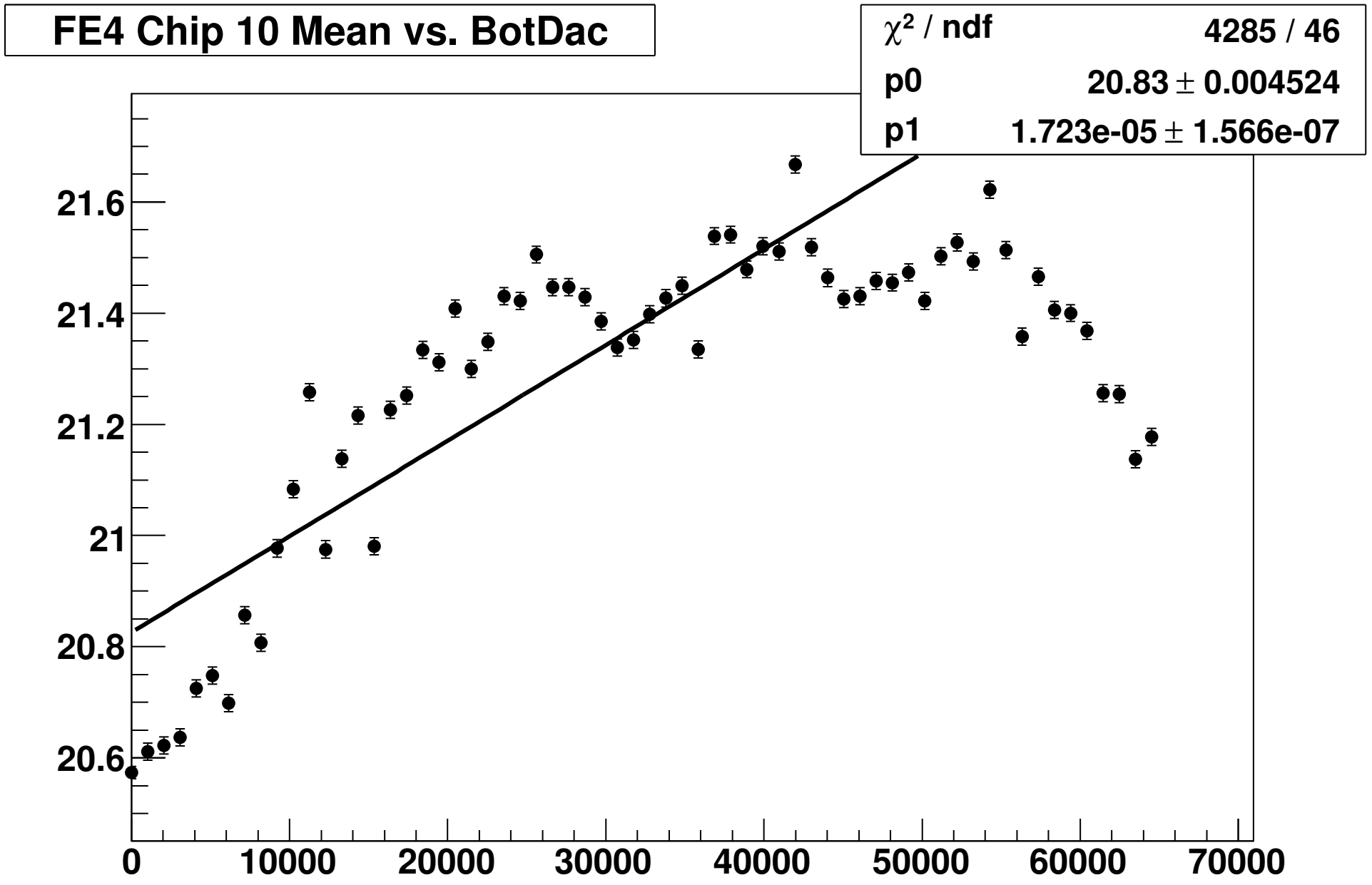
70000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 4285 / 46
p0 20.83 ± 0.004524
p1 1.723e-05 ± 1.566e-07
21.6
21.4
21.2
21
20.8
20.6
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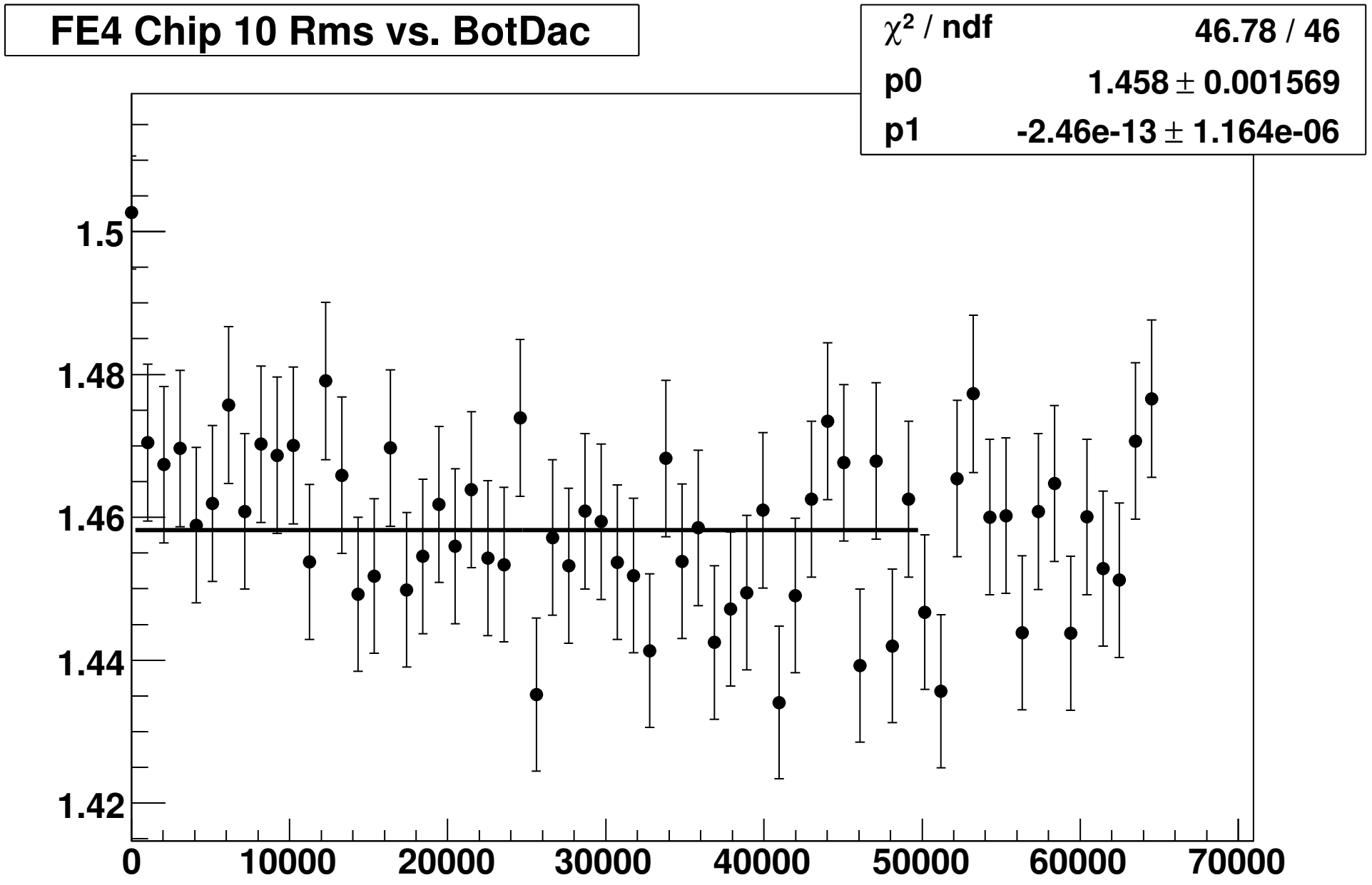
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 46.78 / 46
p0 1.458 ± 0.001569
p1 -2.46e-13 ± 1.164e-06
1.5
1.48
1.46
1.44
1.42
0
10000
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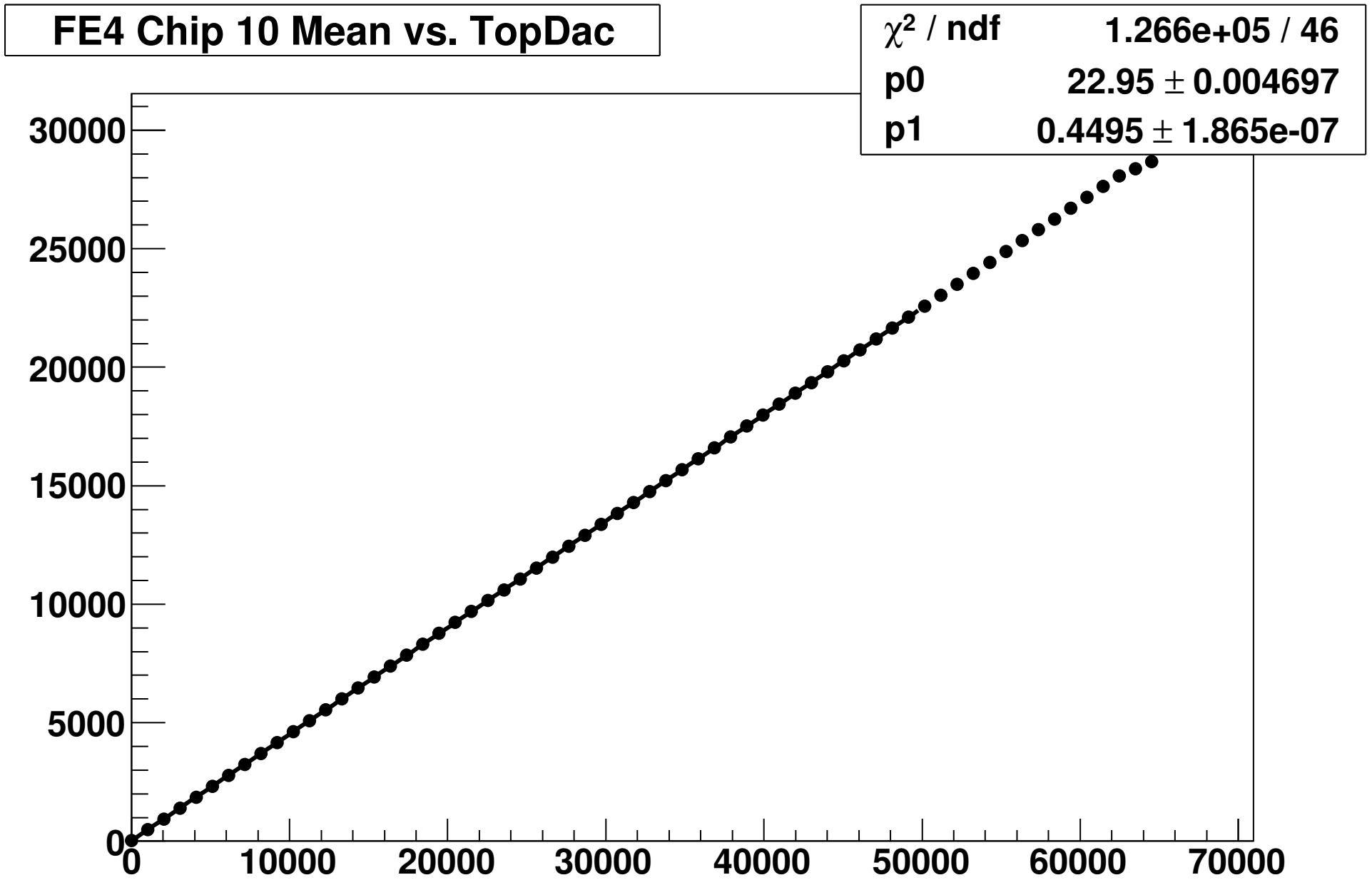
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 1.266e+05 / 46
p0 22.95 ± 0.004697
p1 0.4495 ± 1.865e-07
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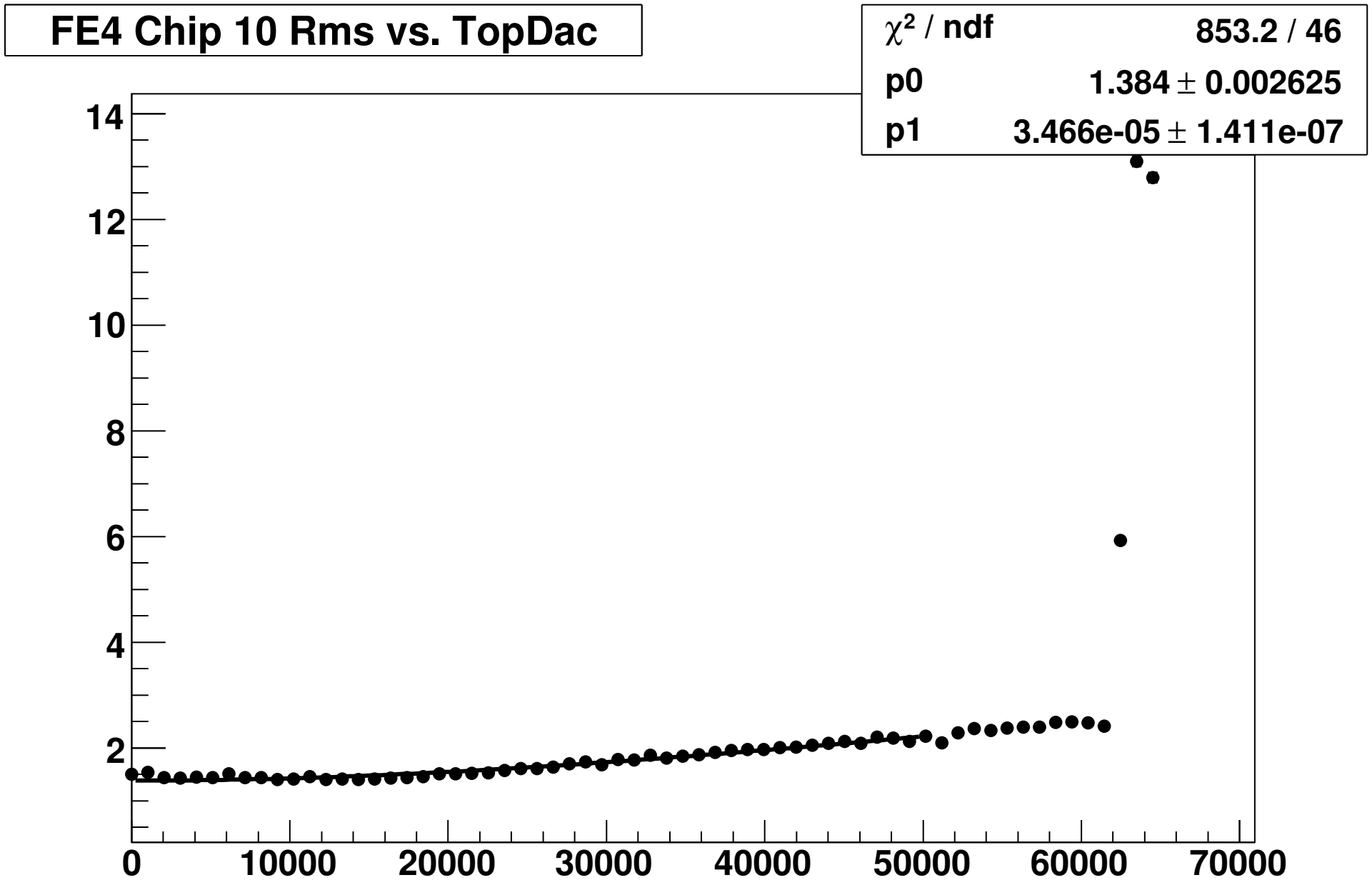
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 853.2 / 46
p0 1.384 ± 0.002625
p1 3.466e-05 ± 1.411e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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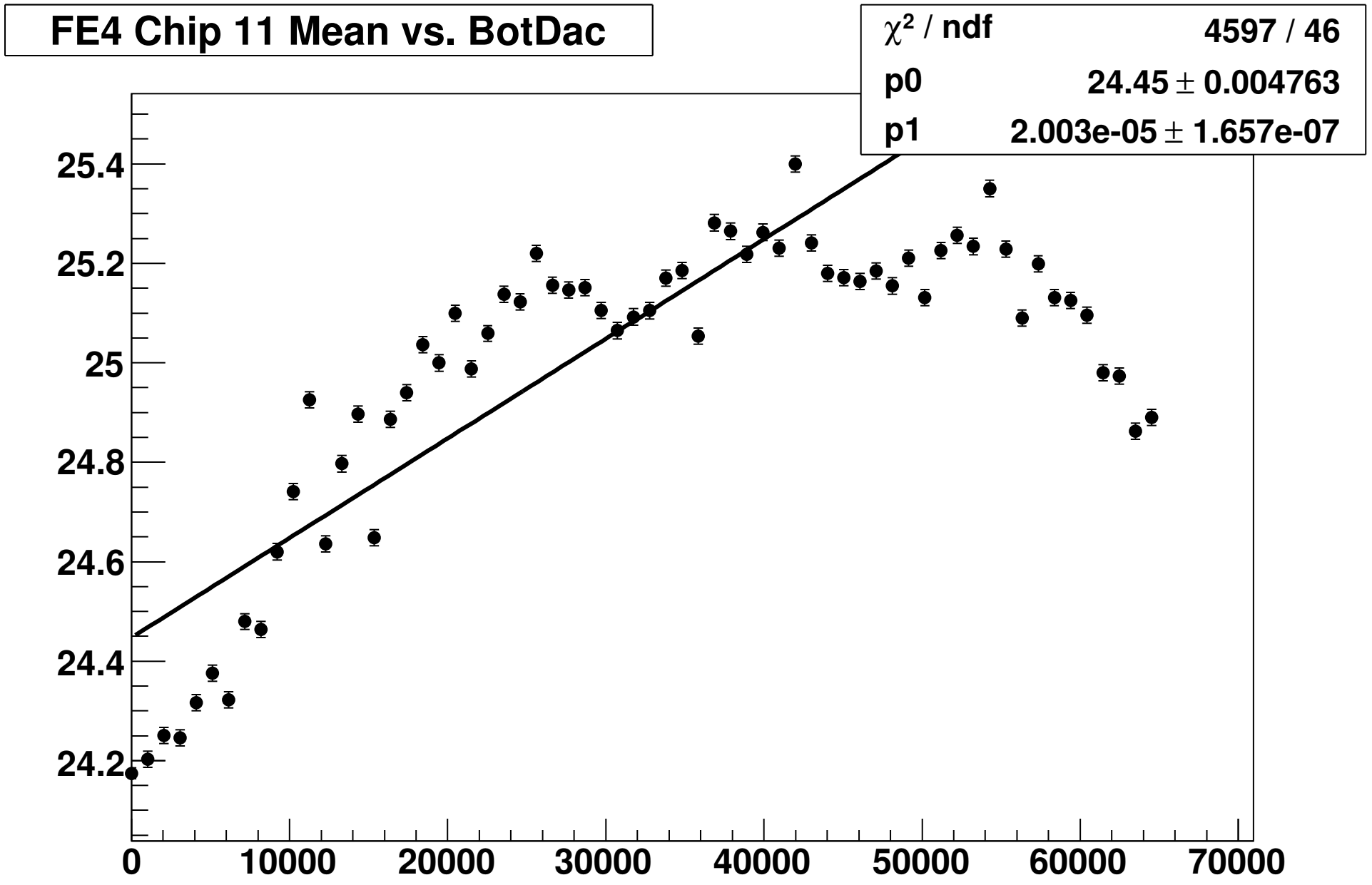
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 4597 / 46
p0 24.45 ± 0.004763
p1 2.003e-05 ± 1.657e-07
25.4
25.2
25
24.8
24.6
24.4
24.2
0
10000
20000
30000
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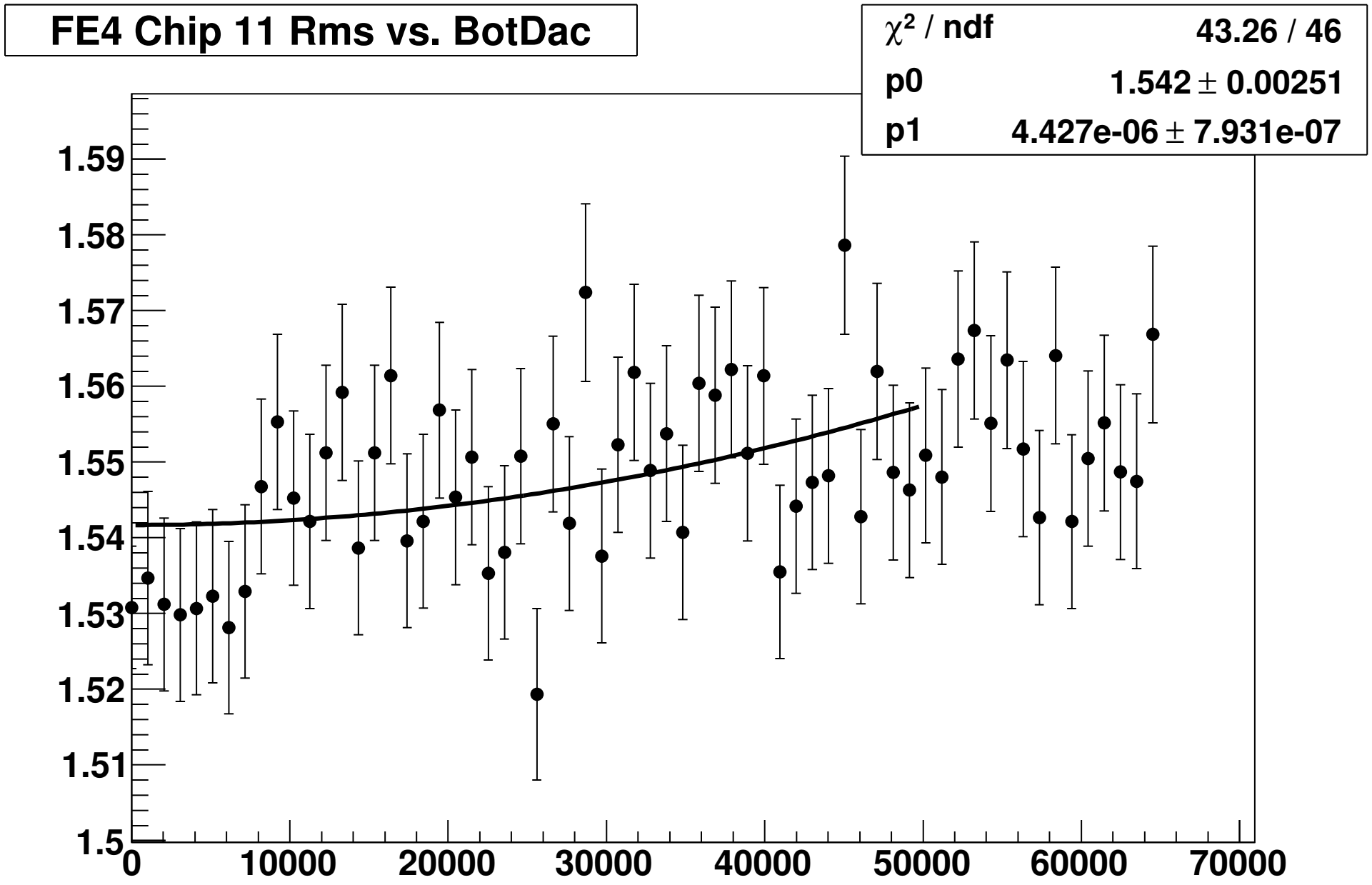
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 43.26 / 46
p0 1.542 ± 0.00251
p1 4.427e-06 ± 7.931e-07
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
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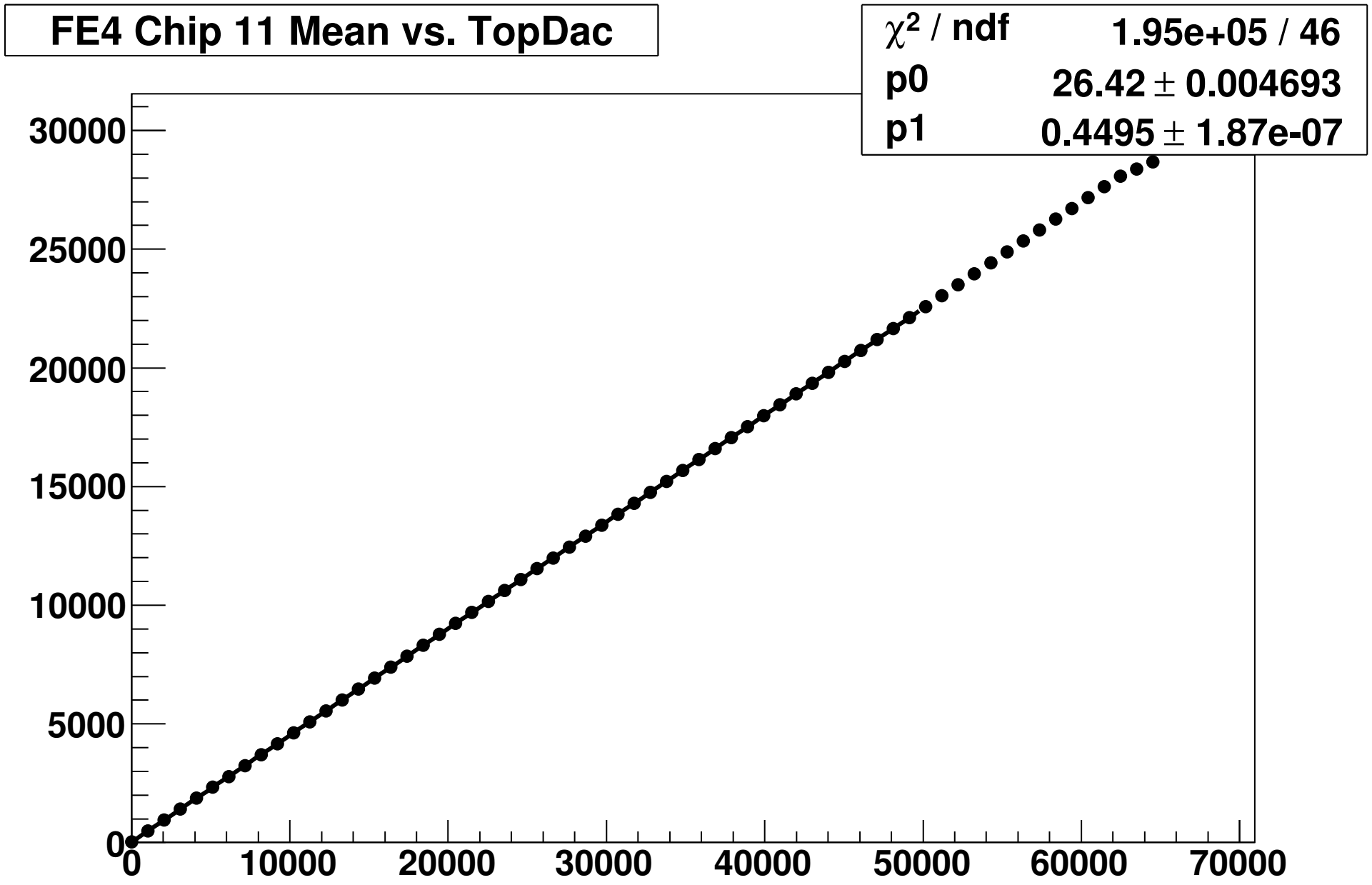
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 1.95e+05 / 46
p0 26.42 ± 0.004693
p1 0.4495 ± 1.87e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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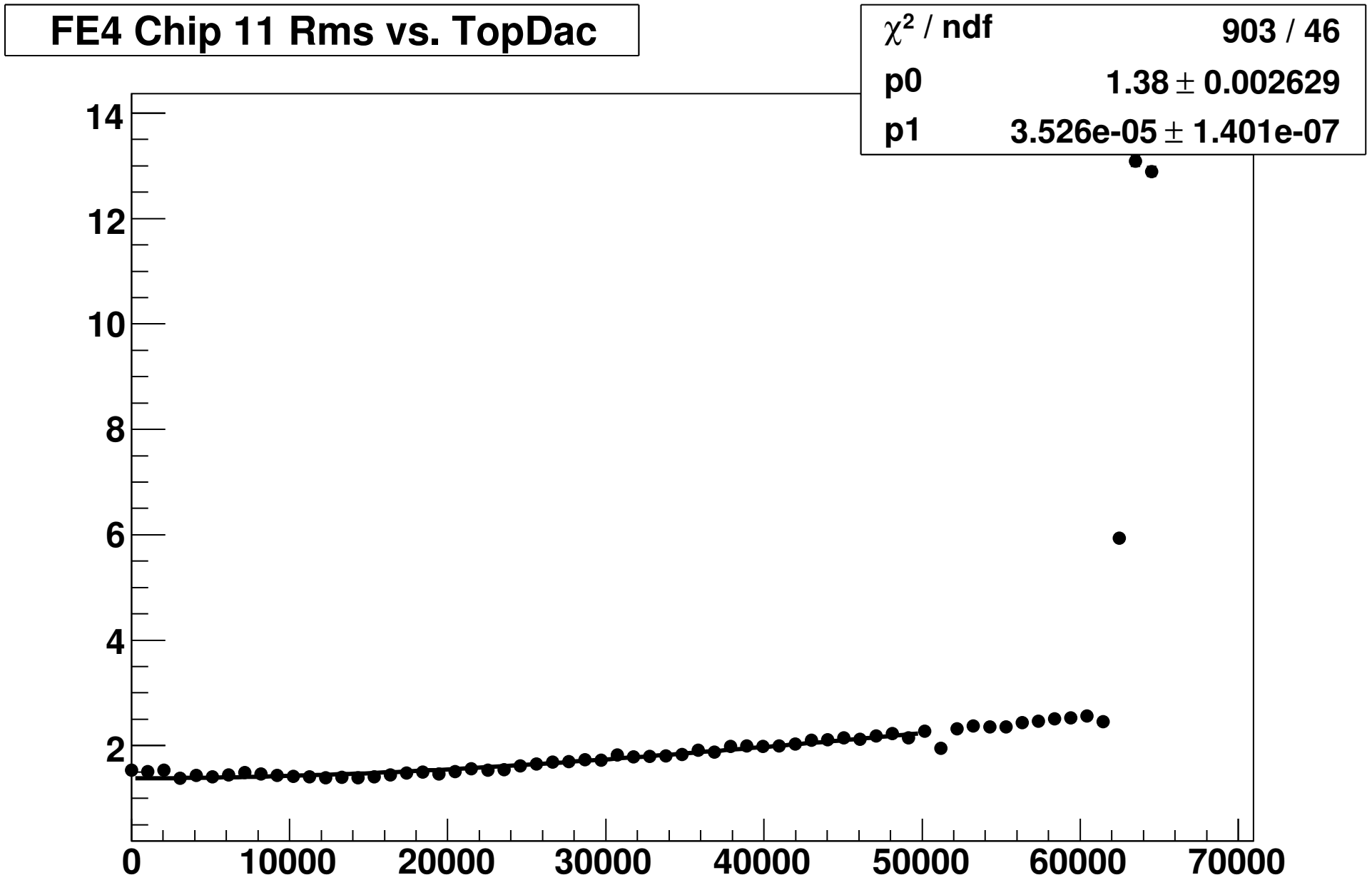
FE4 Chip 11 Rms vs. TopDac
χ² / ndf 903 / 46
p0 1.38 ± 0.002629
p1 3.526e-05 ± 1.401e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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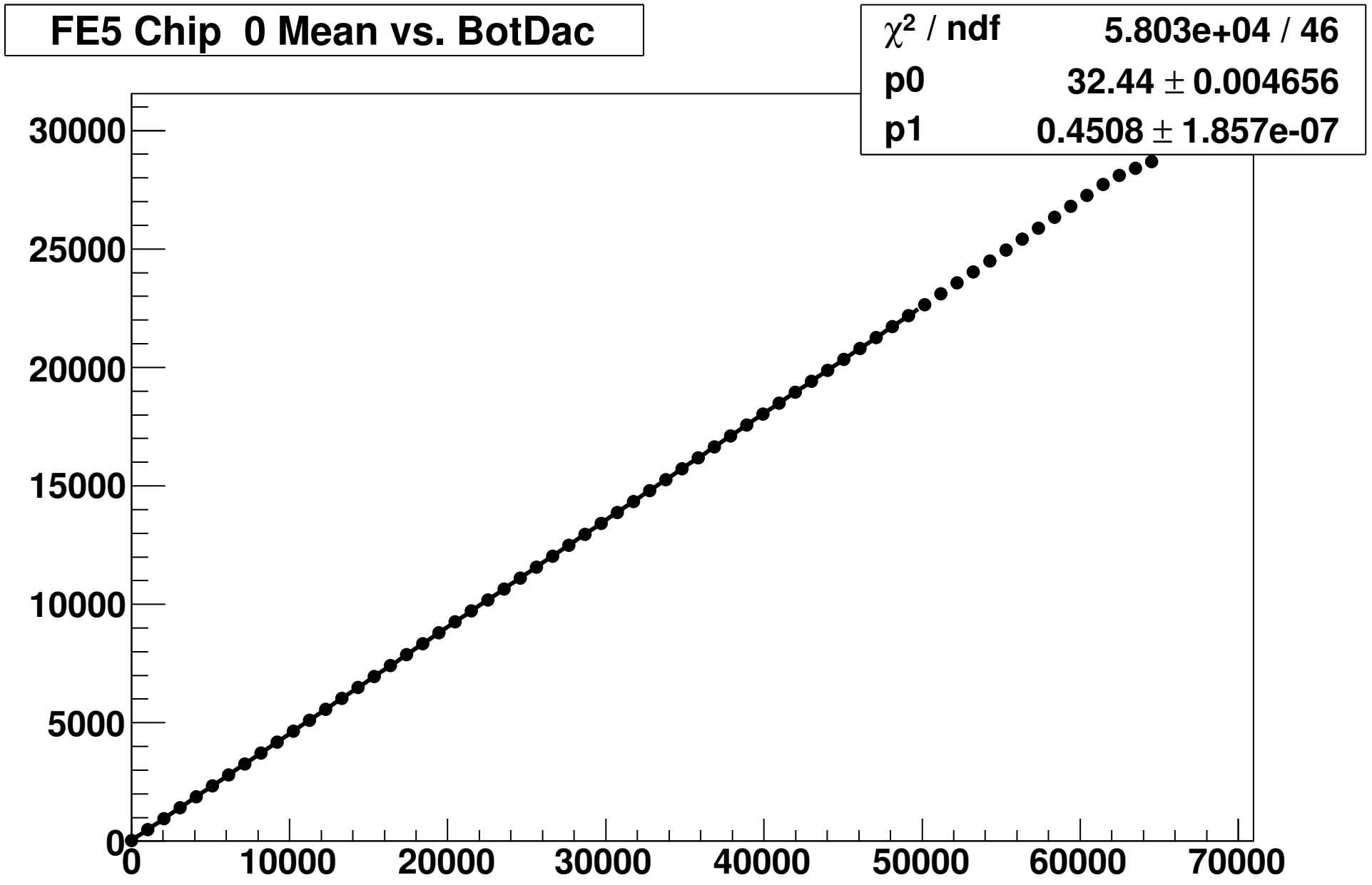
FE5 Chip 0 Mean vs. BotDac
χ² / ndf 5.803e+04 / 46
p0 32.44 ± 0.004656
p1 0.4508 ± 1.857e-07
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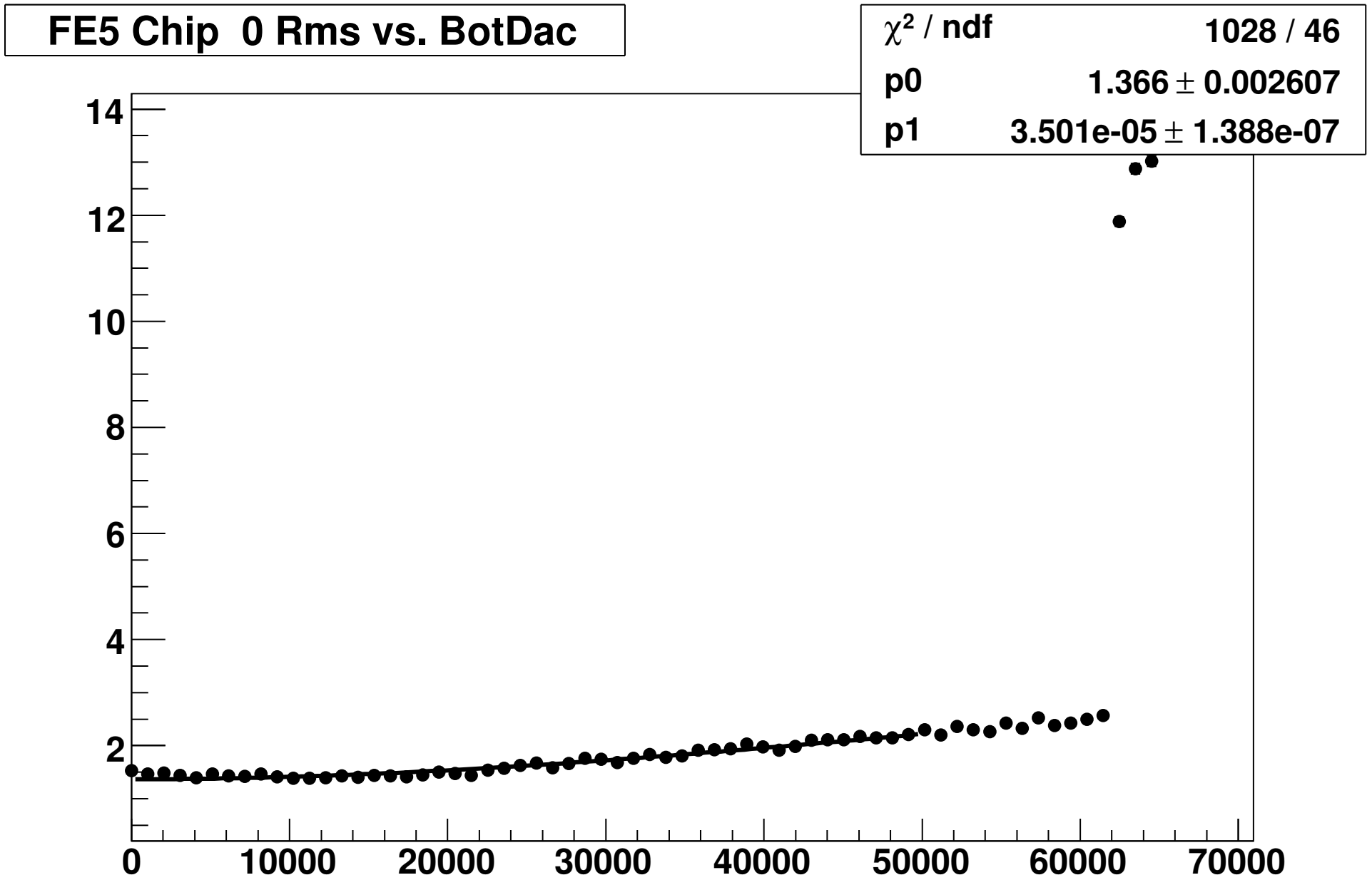
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1028 / 46
p0 1.366 ± 0.002607
p1 3.501e-05 ± 1.388e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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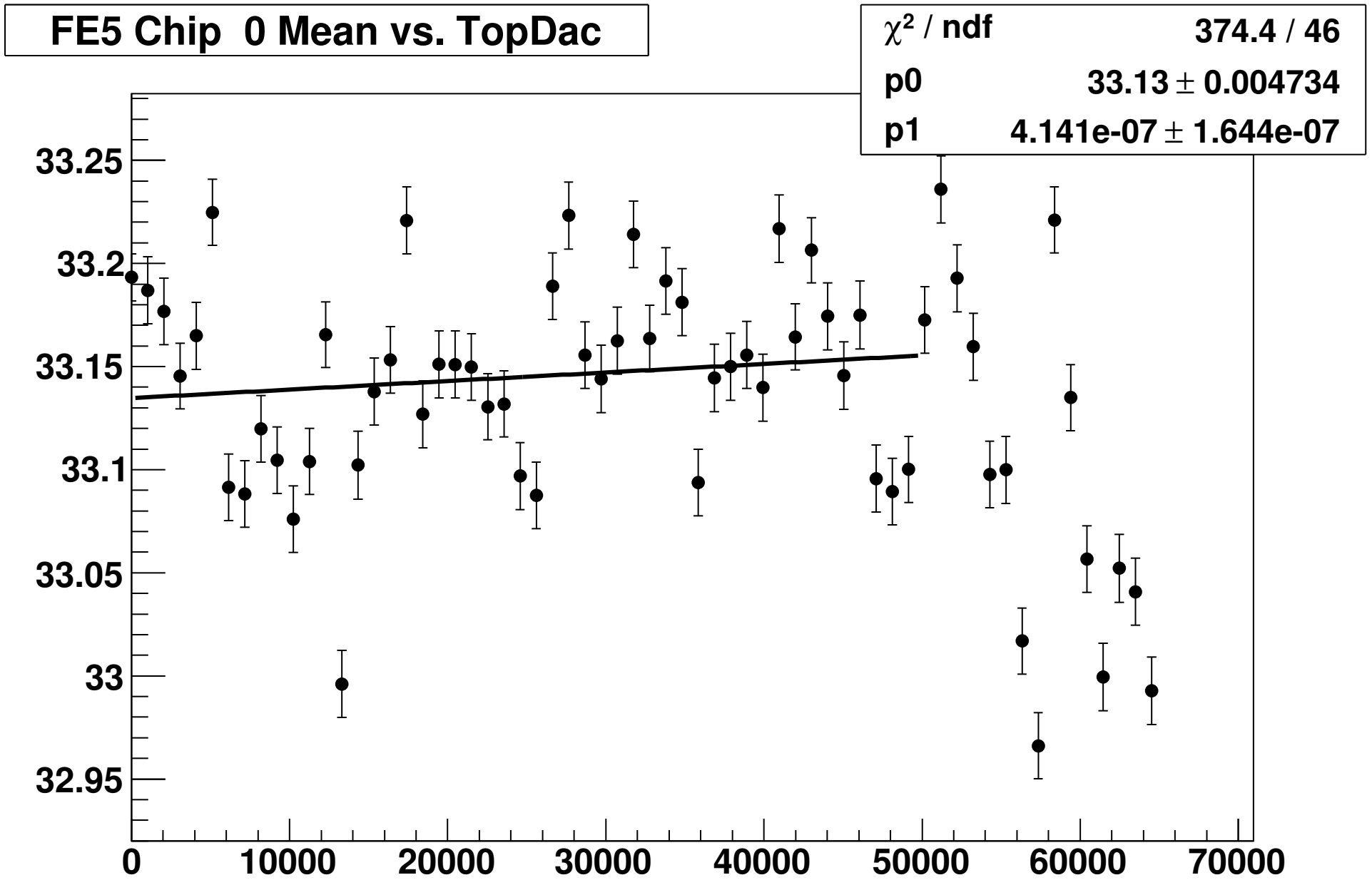
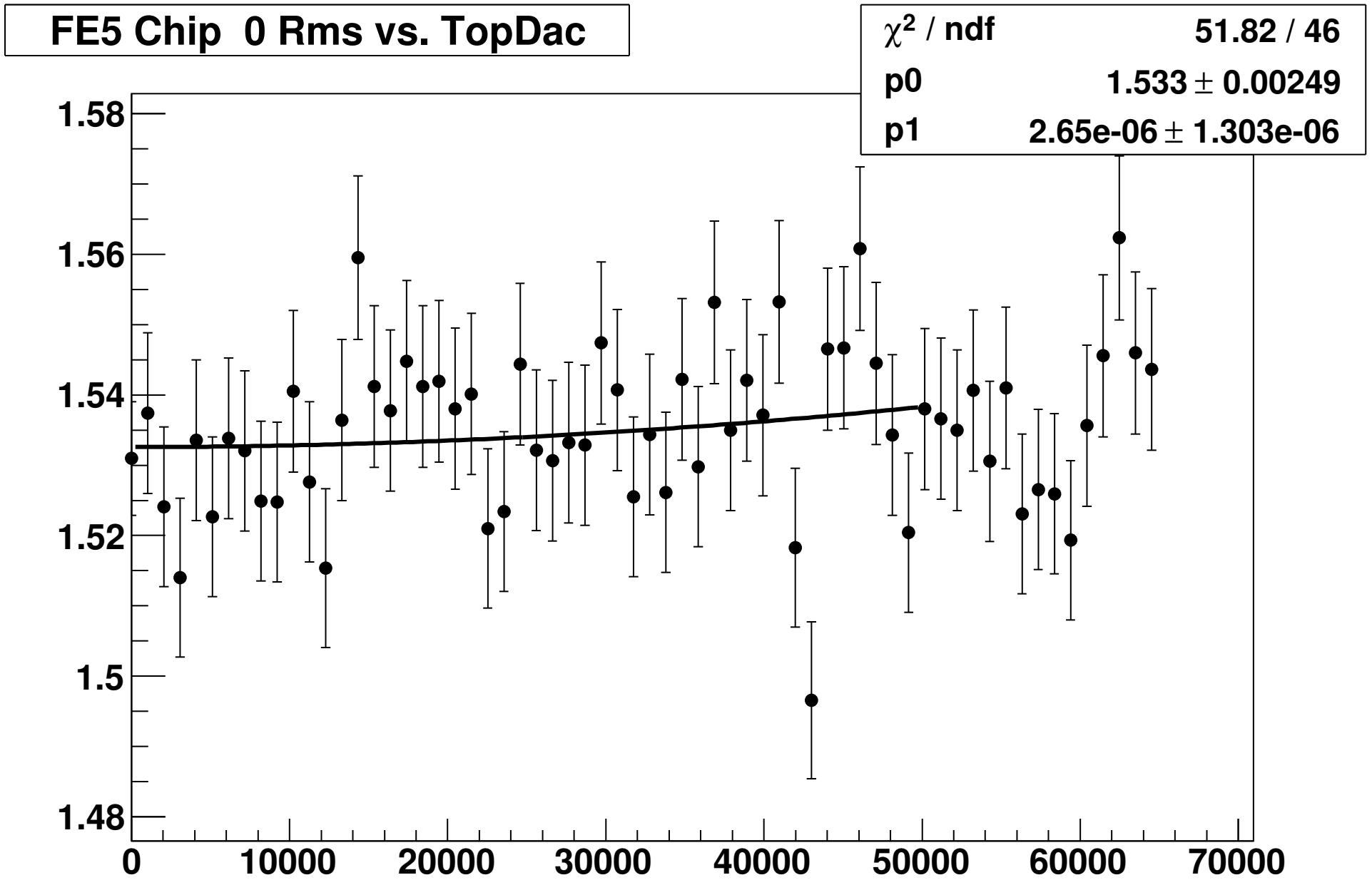
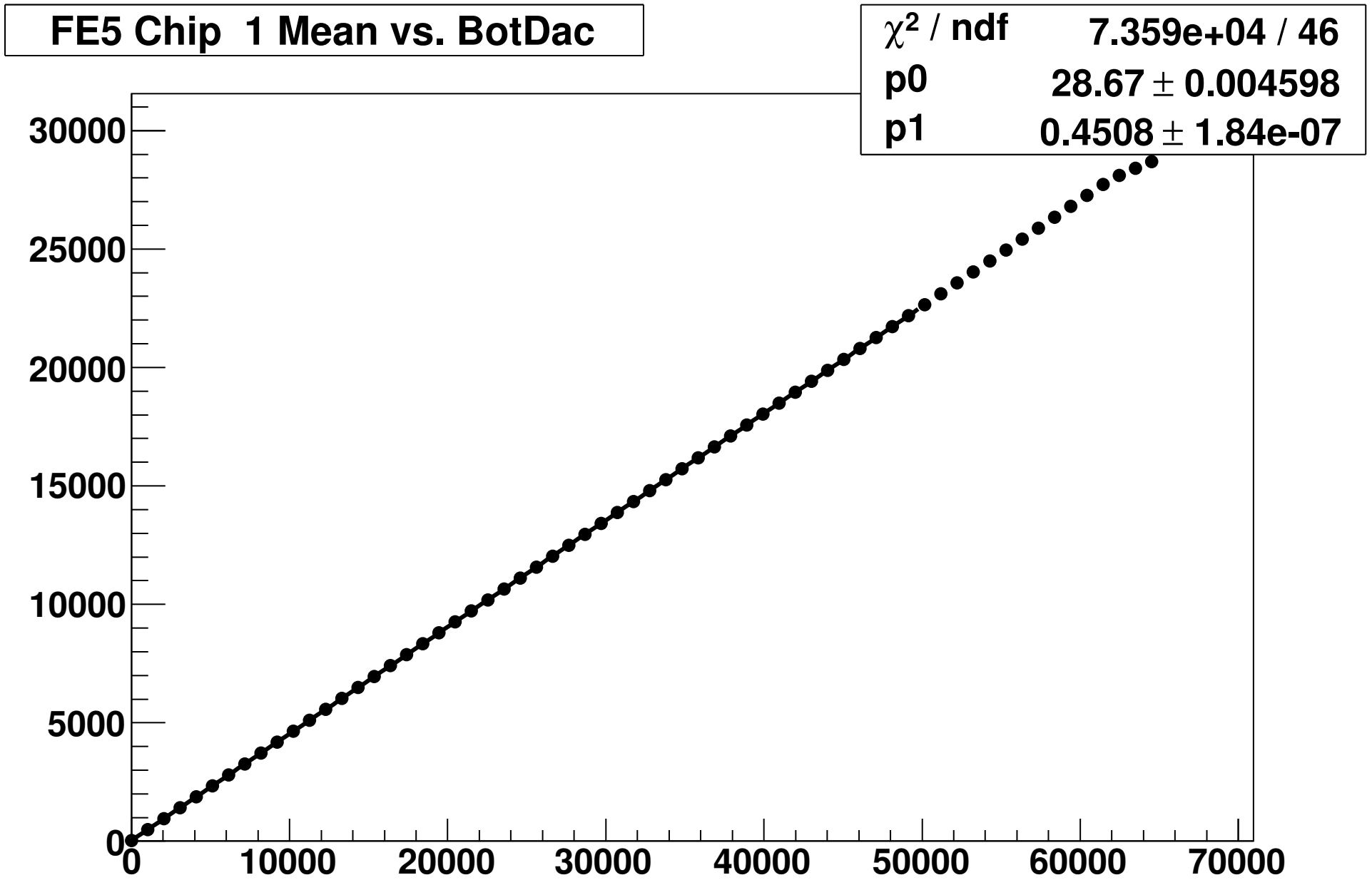
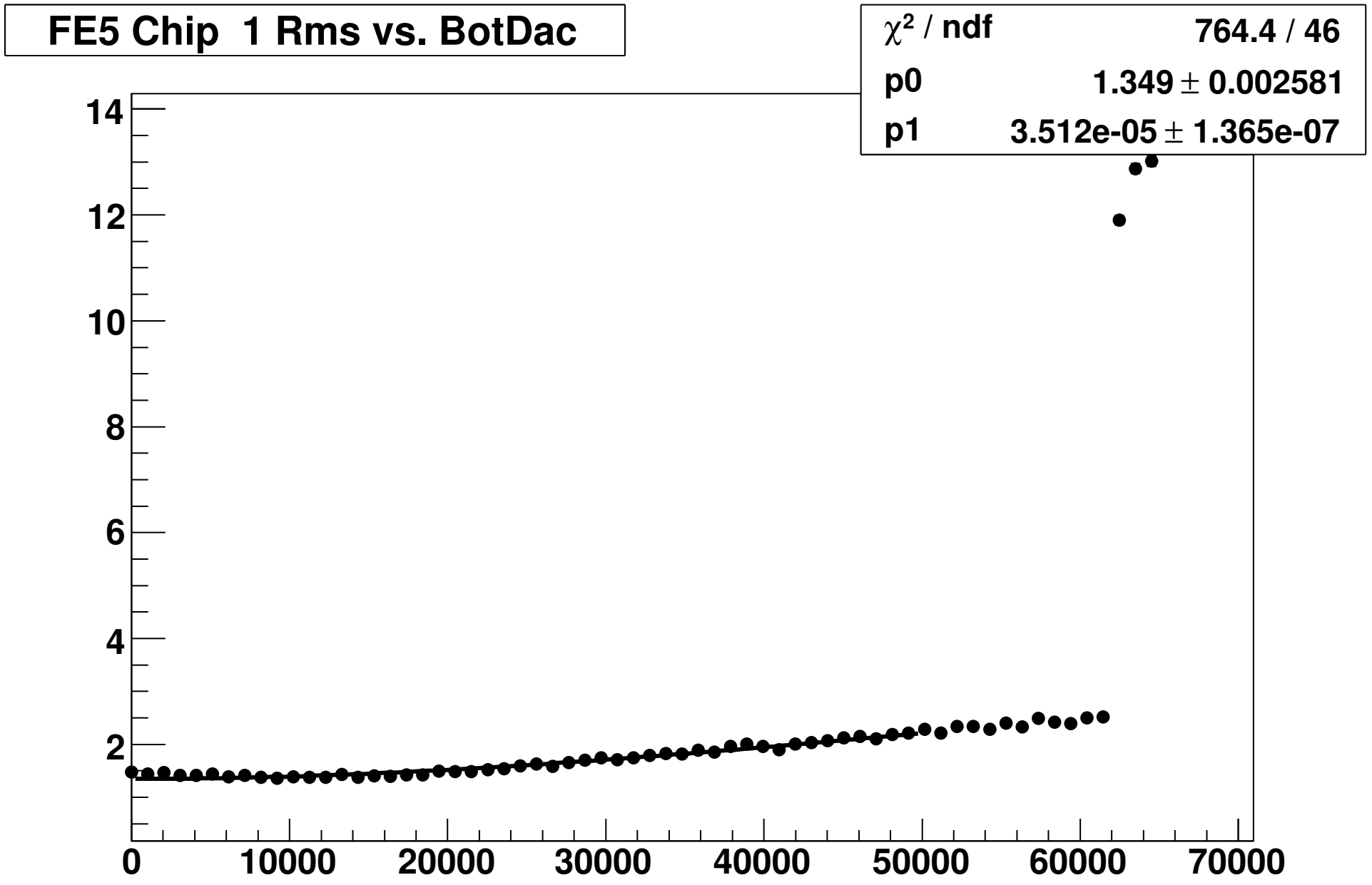
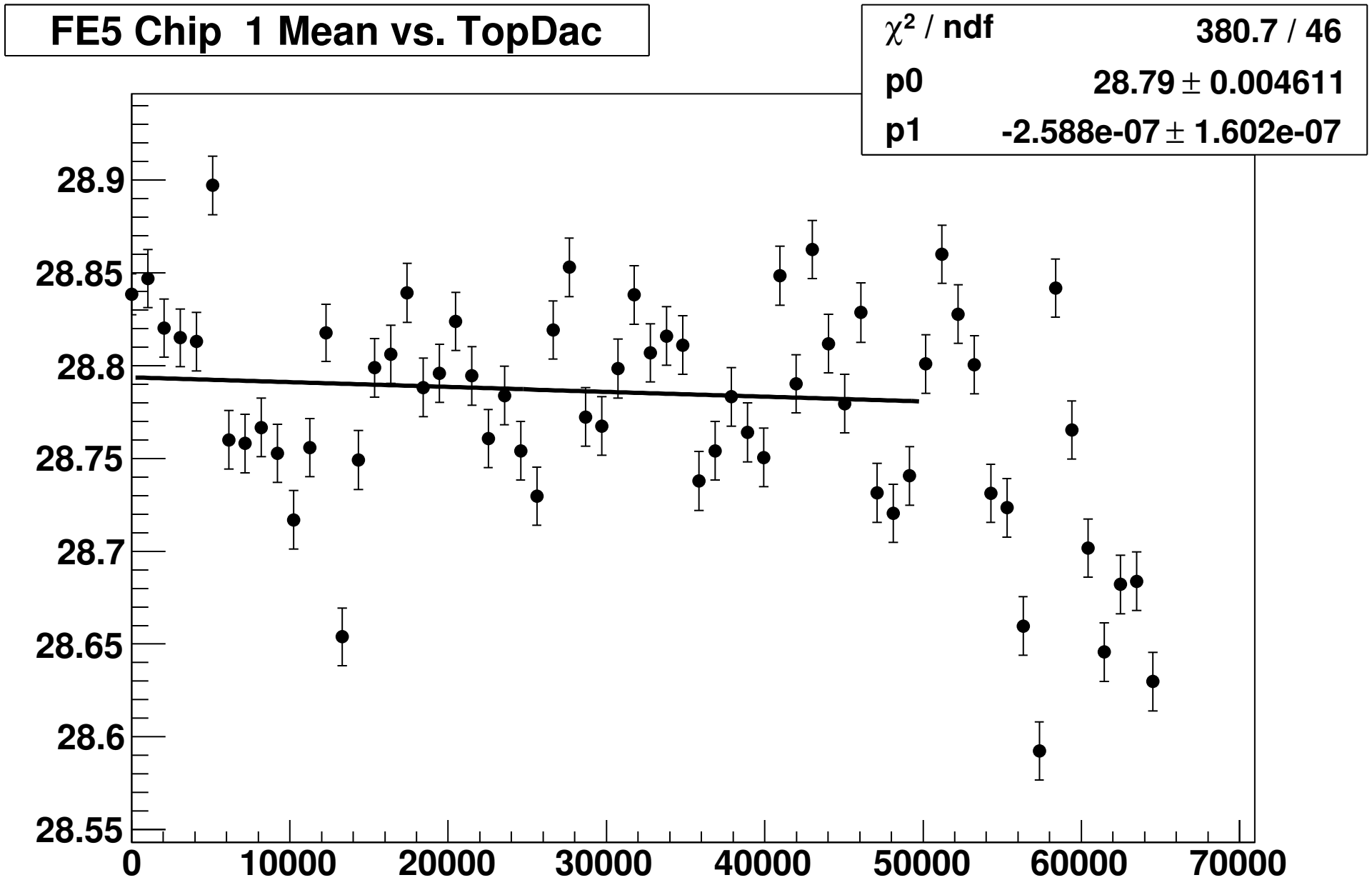
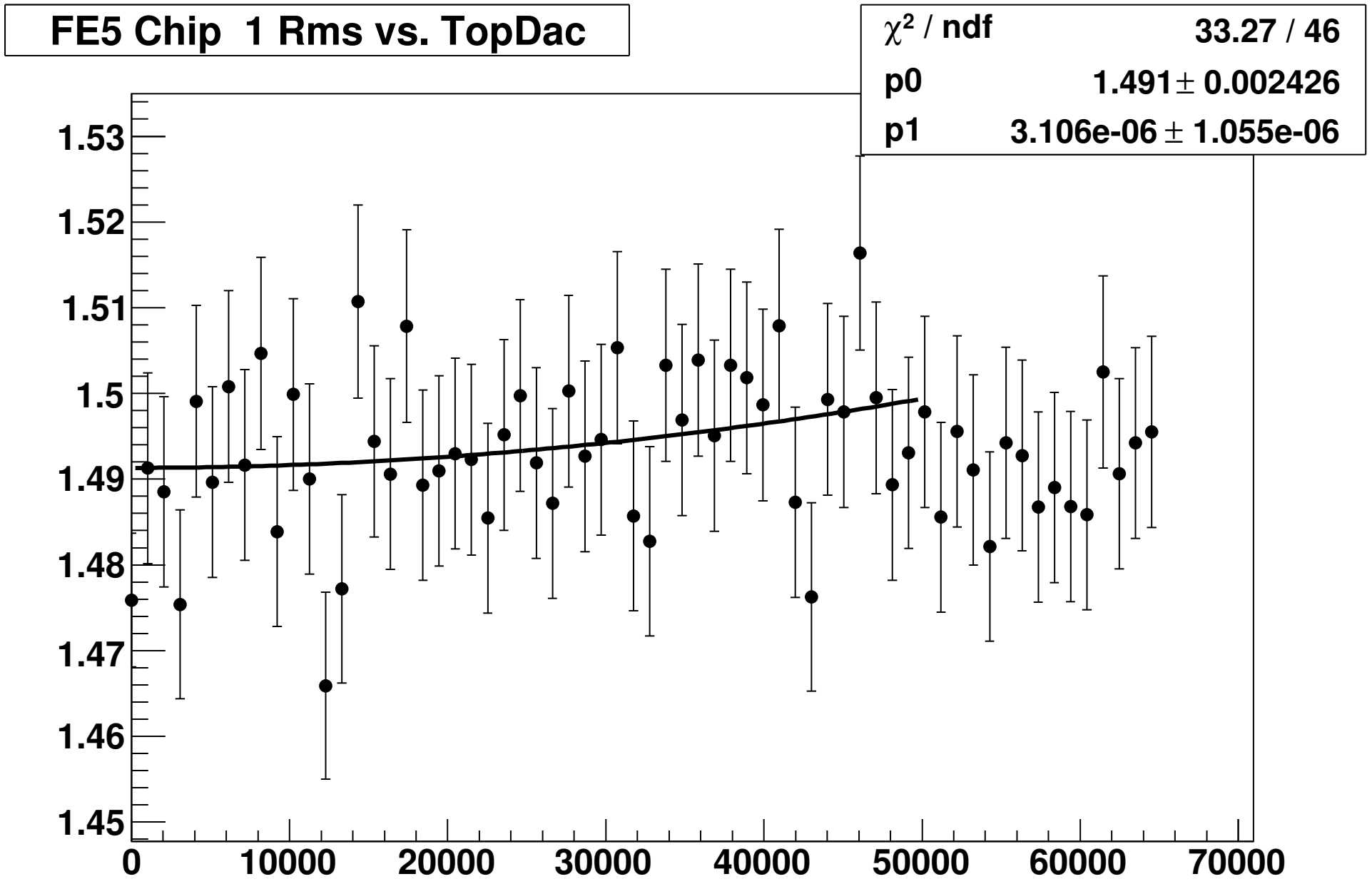

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 374.4 / 46
p0 33.13 ± 0.004734
p1 4.141e-07 ± 1.644e-07
33.25
33.2
33.15
33.1
33.05
33
32.95
0
10000
20000
30000
40000
50000
60000
70000

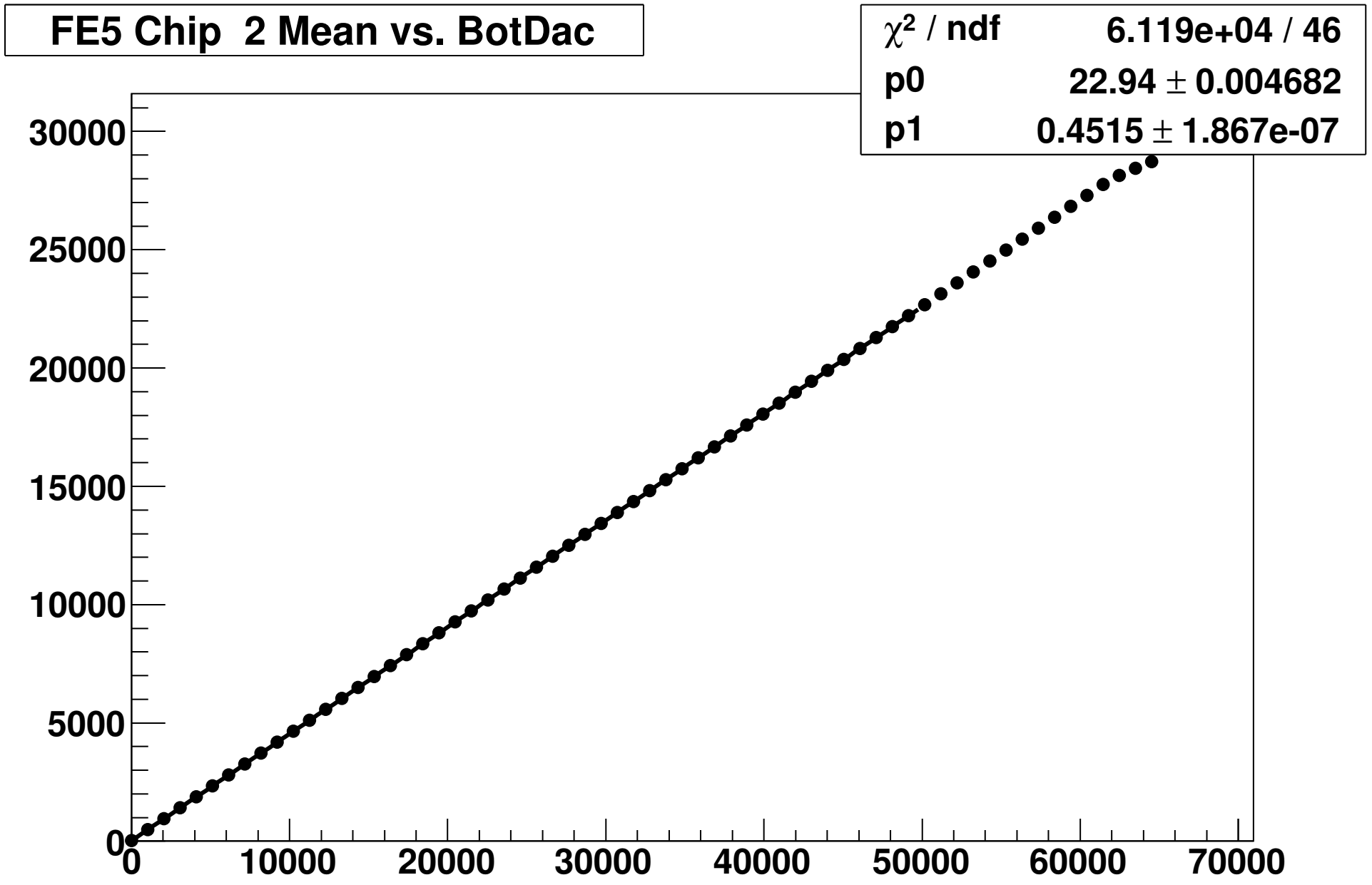

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 51.82 / 46
p0 1.533 ± 0.00249
p1 2.65e-06 ± 1.303e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 7.359e+04 / 46
p0 28.67 ± 0.004598
p1 0.4508 ± 1.84e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 764.4 / 46
p0 1.349 ± 0.002581
p1 3.512e-05 ± 1.365e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 380.7 / 46
p0 28.79 ± 0.004611
p1 -2.588e-07 ± 1.602e-07
28.9
28.85
28.8
28.75
28.7
28.65
28.6
28.55
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. TopDac
χ² / ndf 33.27 / 46
p0 1.491 ± 0.002426
p1 3.106e-06 ± 1.055e-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


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 6.119e+04 / 46
p0 22.94 ± 0.004682
p1 0.4515 ± 1.867e-07
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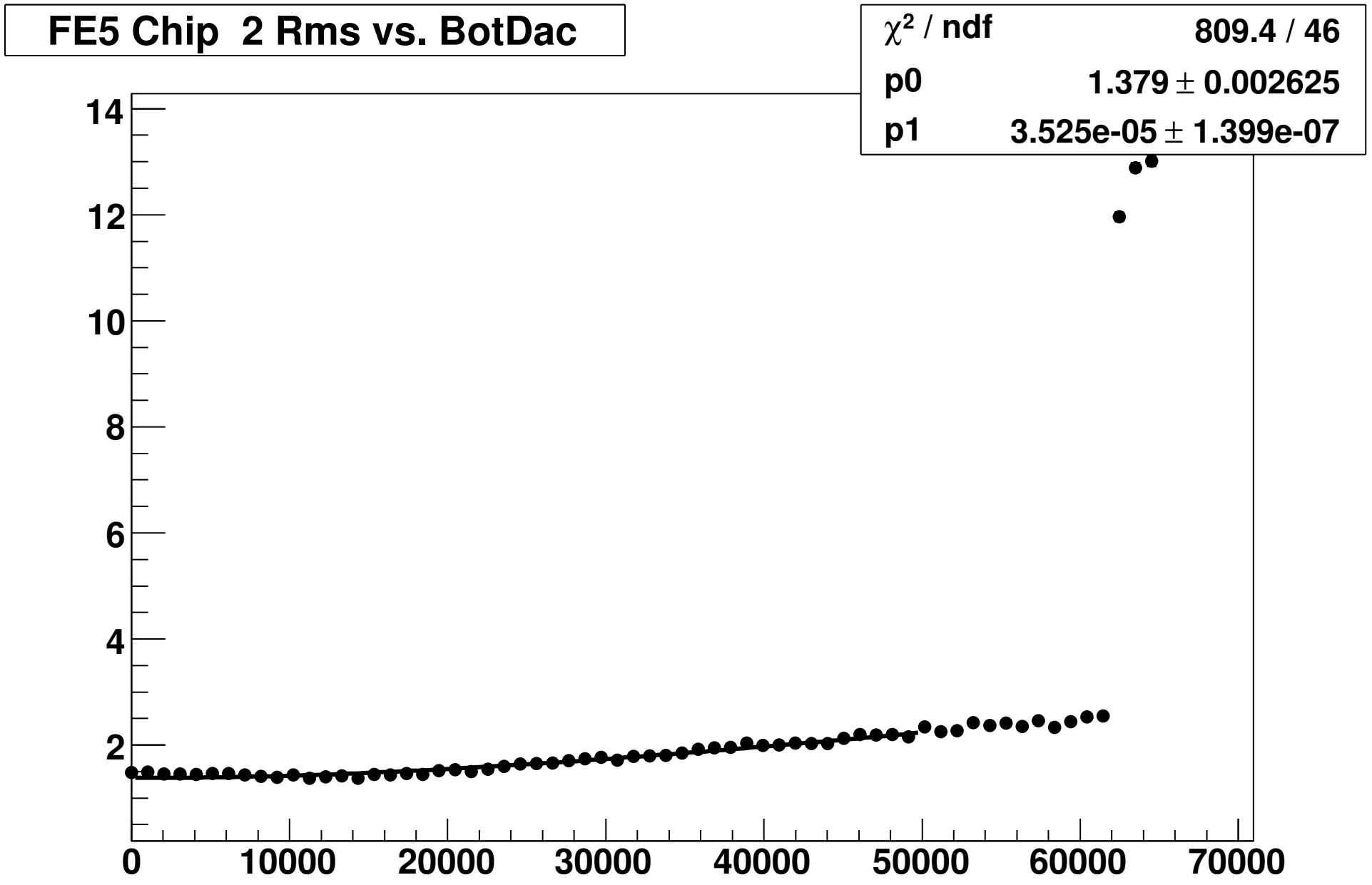
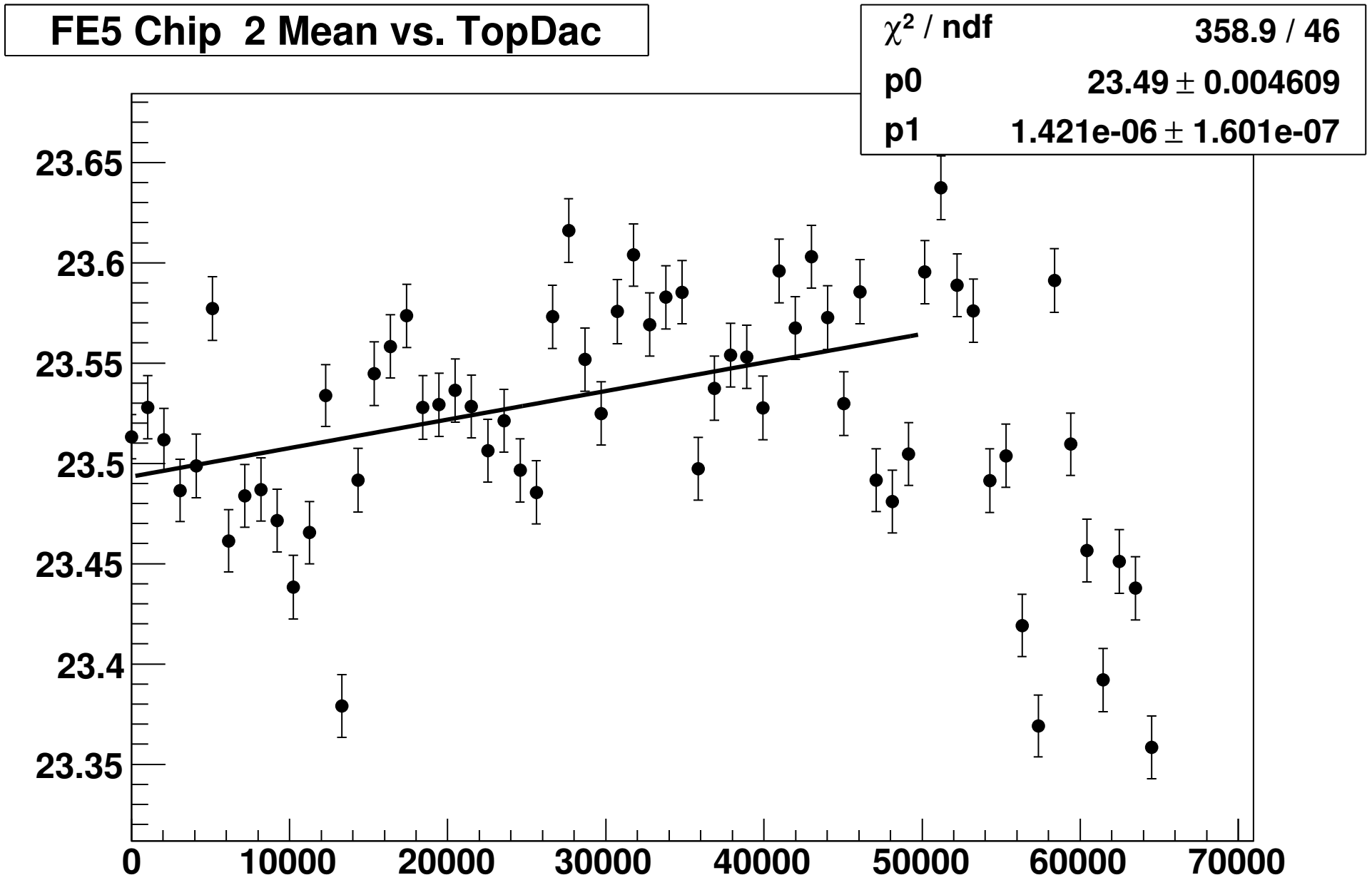
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 809.4 / 46
p0 1.379 ± 0.002625
p1 3.525e-05 ± 1.399e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 358.9 / 46
p0 23.49 ± 0.004609
p1 1.421e-06 ± 1.601e-07
23.65
23.6
23.55
23.5
23.45
23.4
23.35
0
10000
20000
30000
40000
50000
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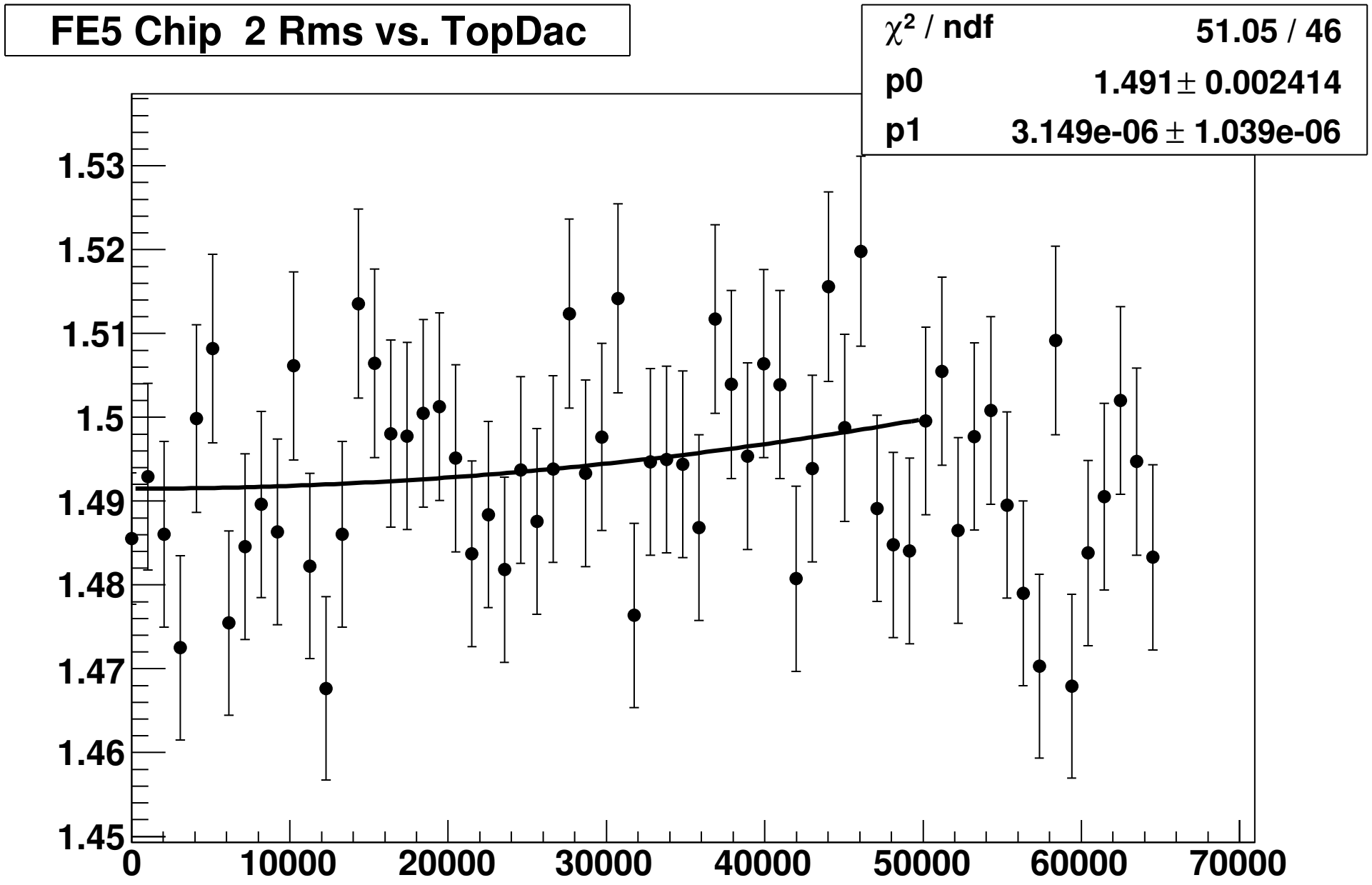
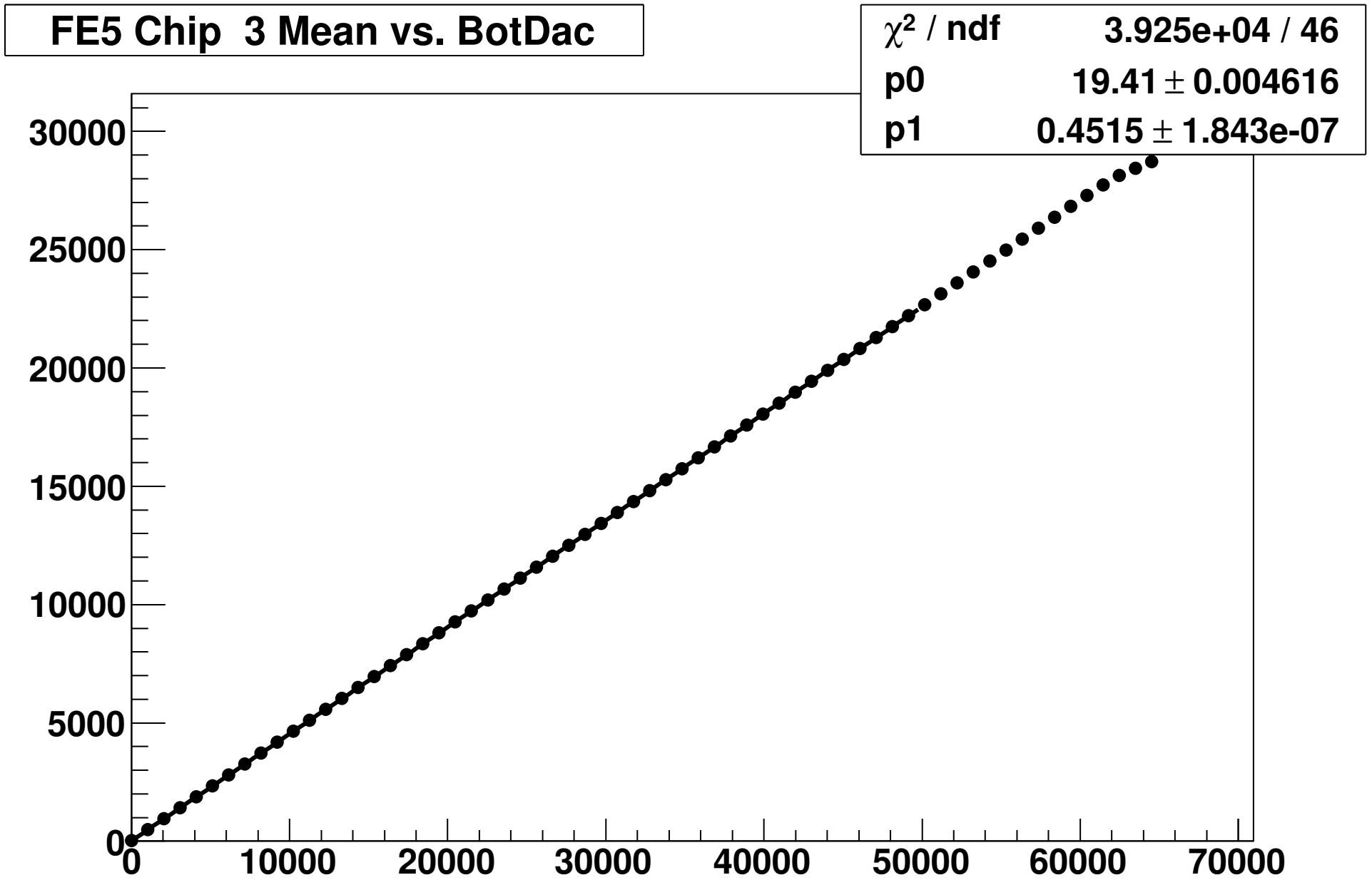
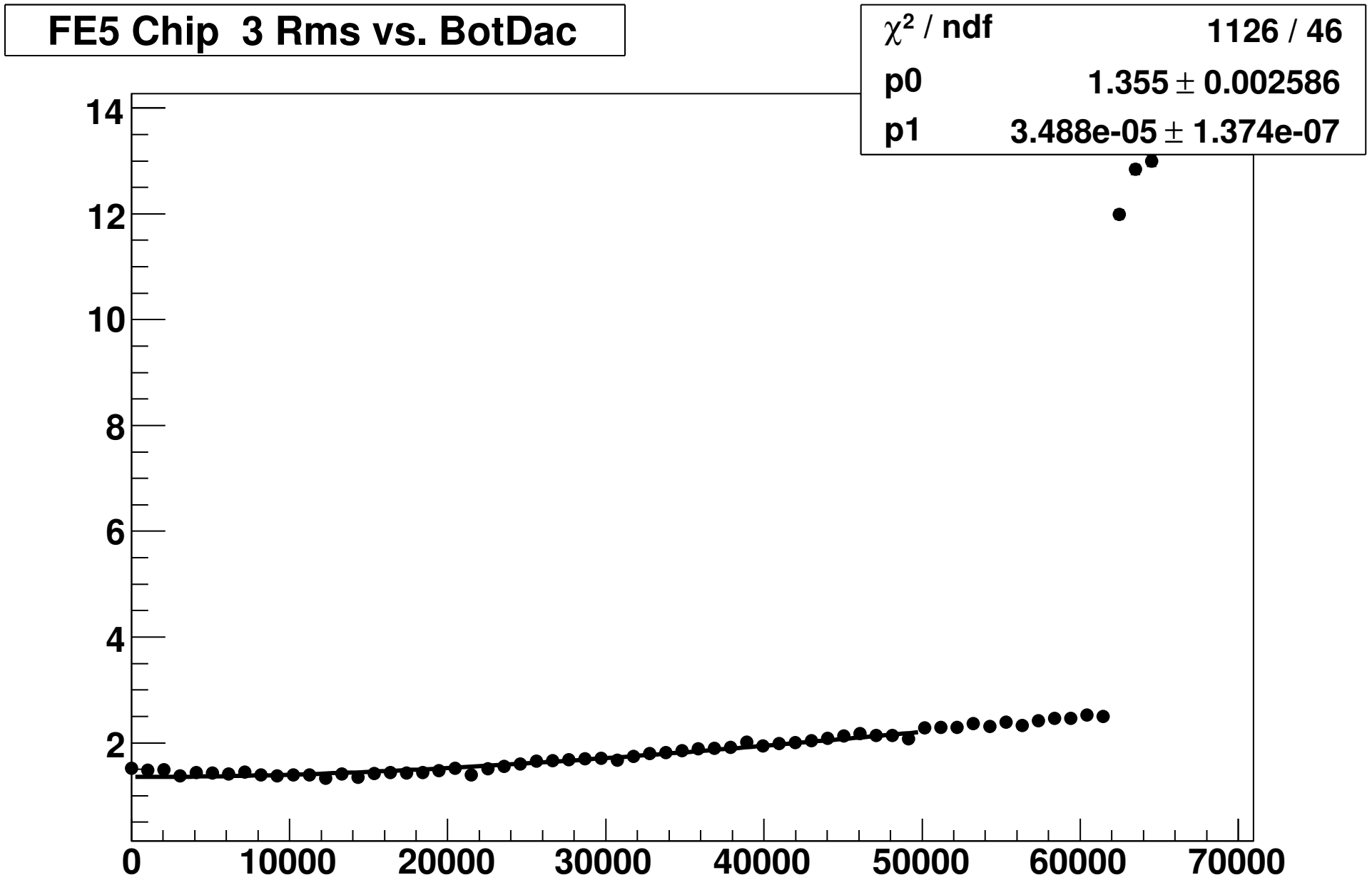
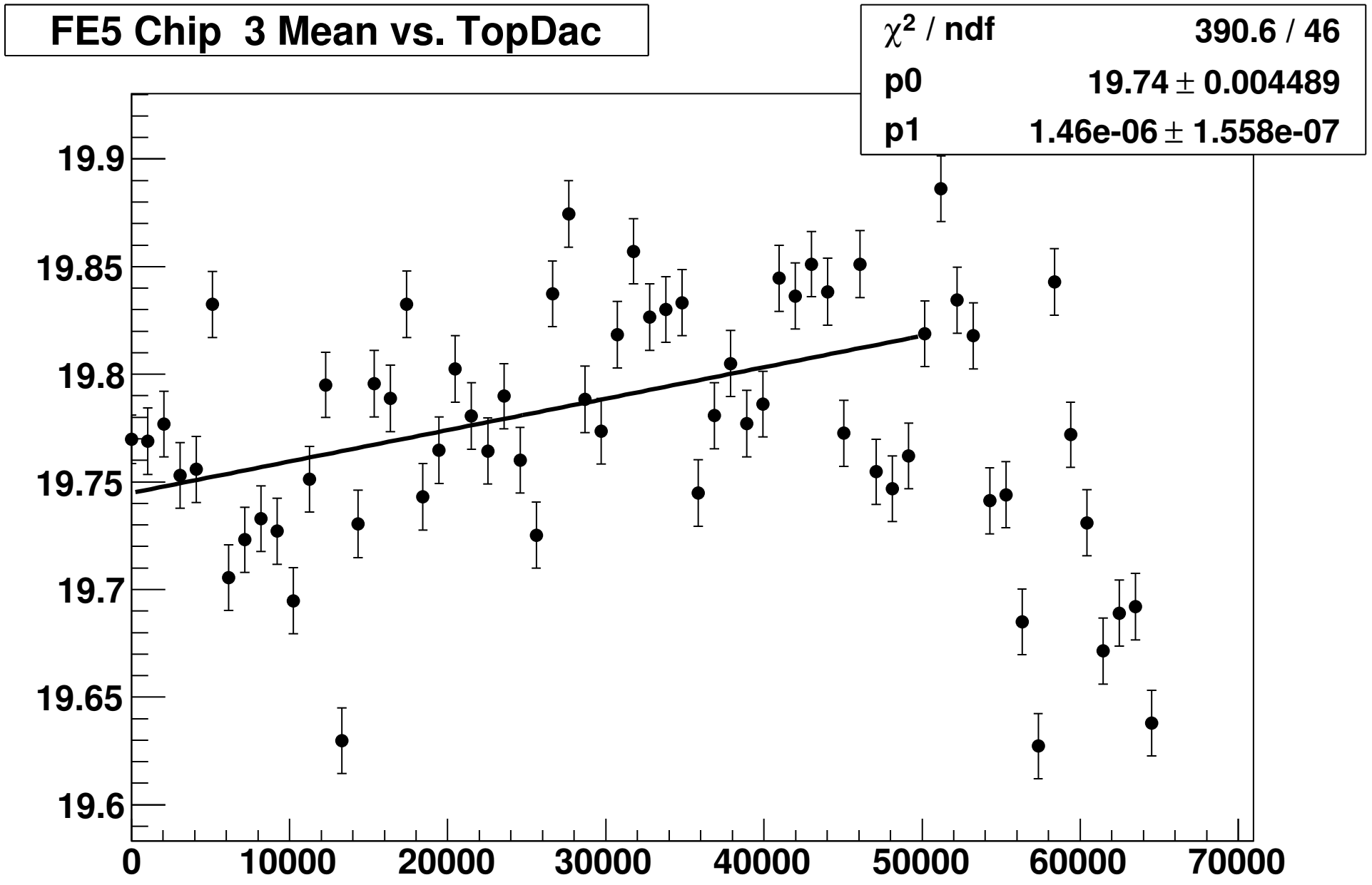
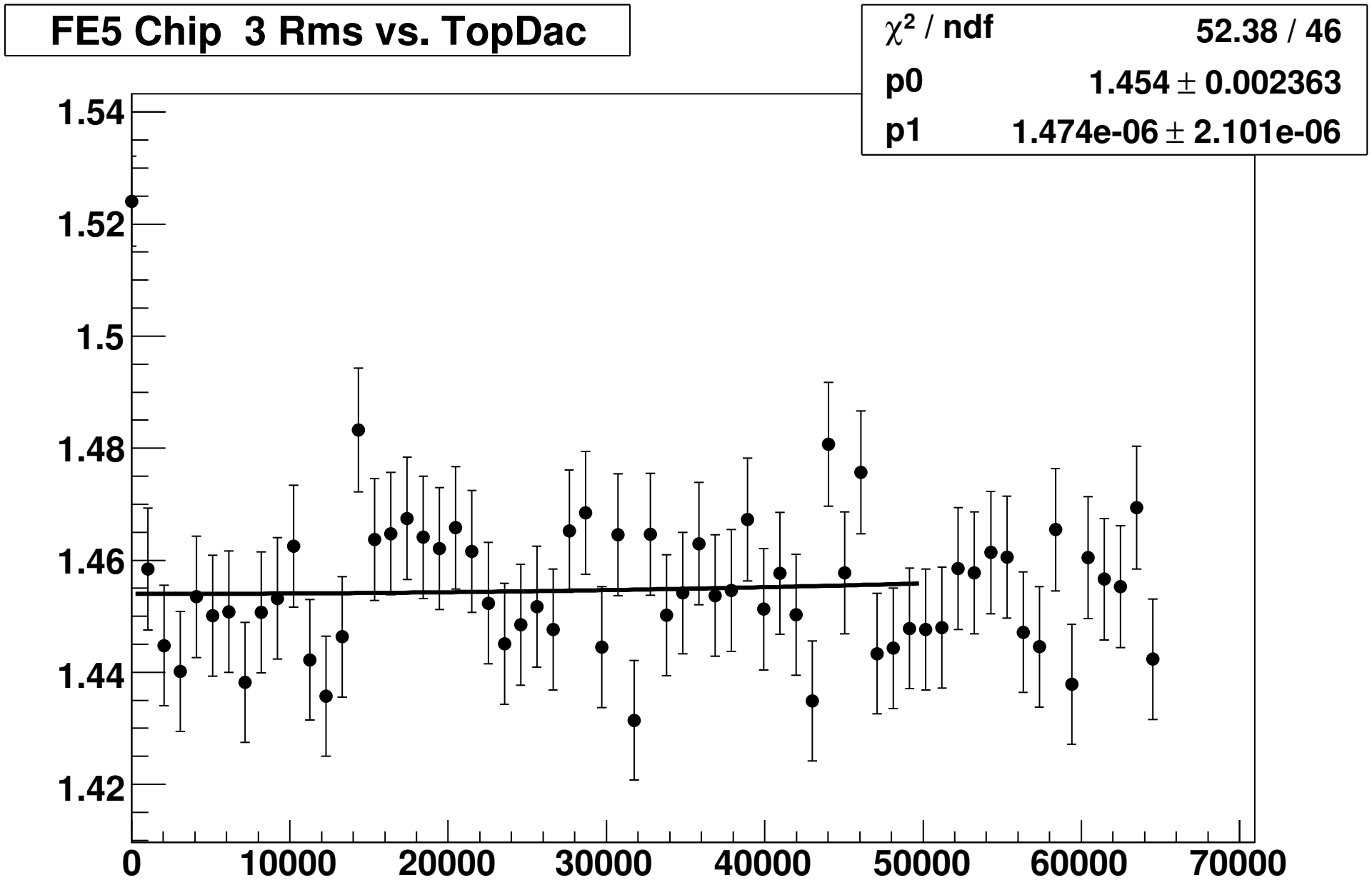
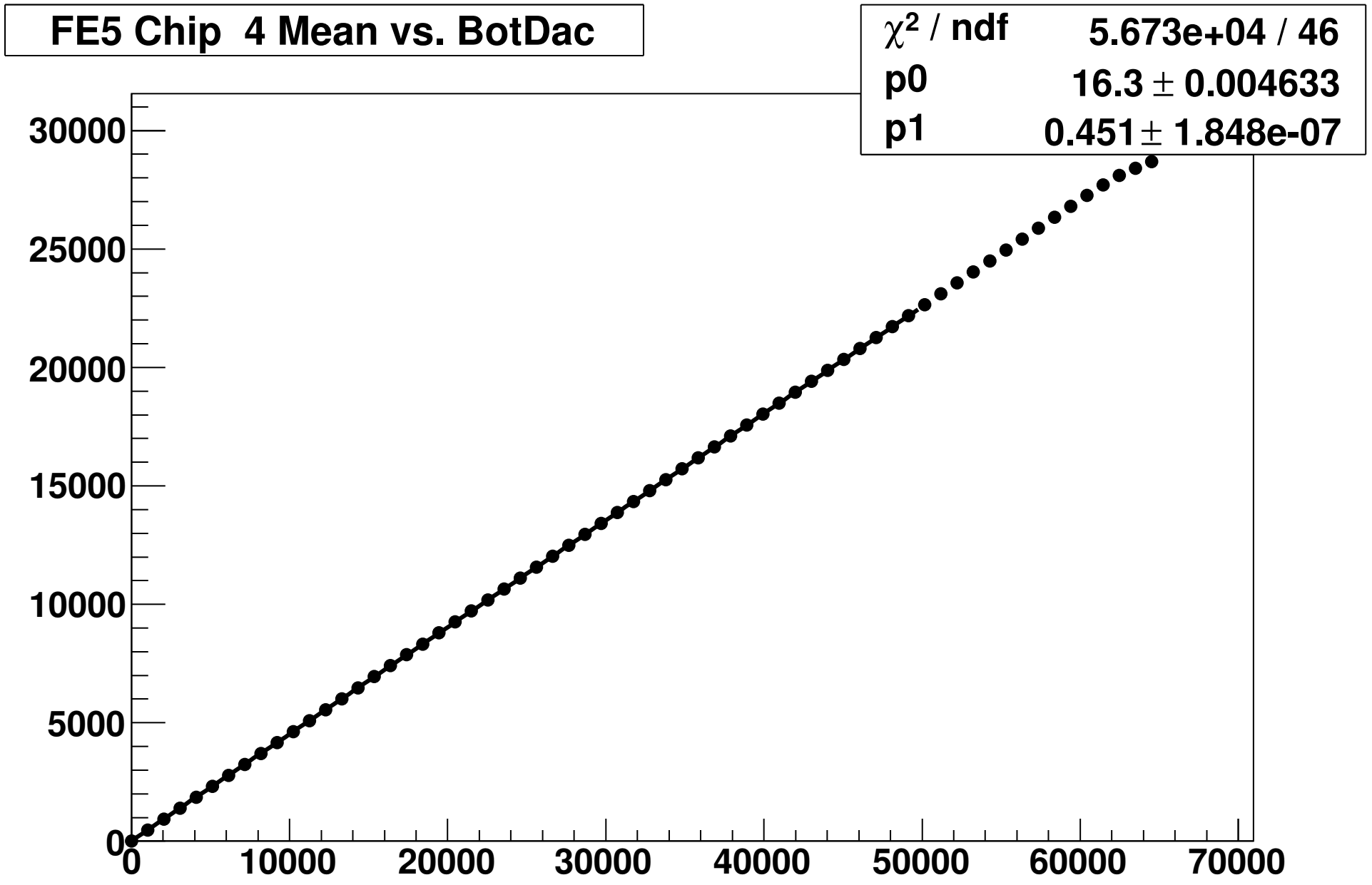

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 51.05 / 46
p0 1.491 ± 0.002414
p1 3.149e-06 ± 1.039e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

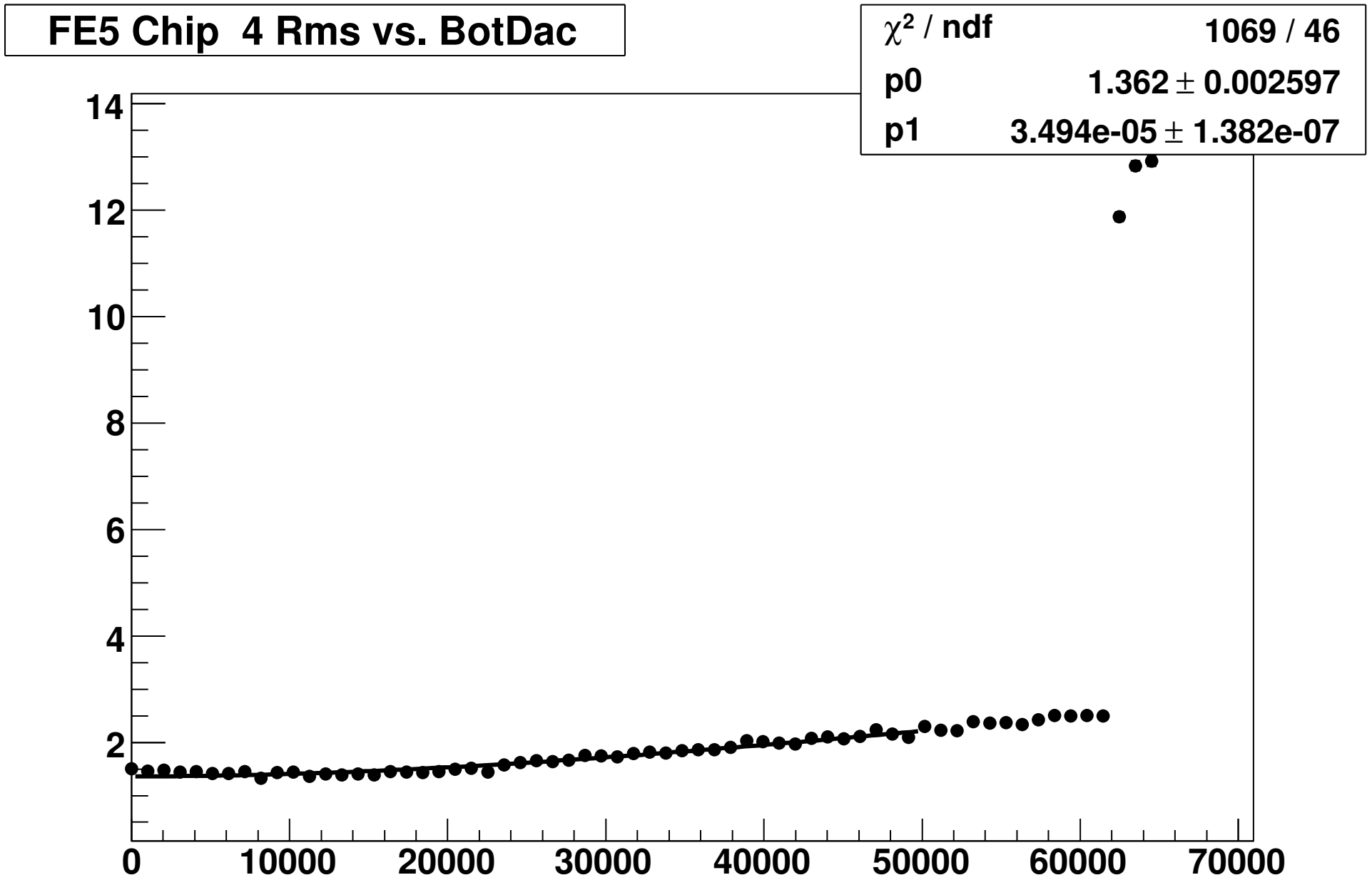

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 3.925e+04 / 46
p0 19.41 ± 0.004616
p1 0.4515 ± 1.843e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

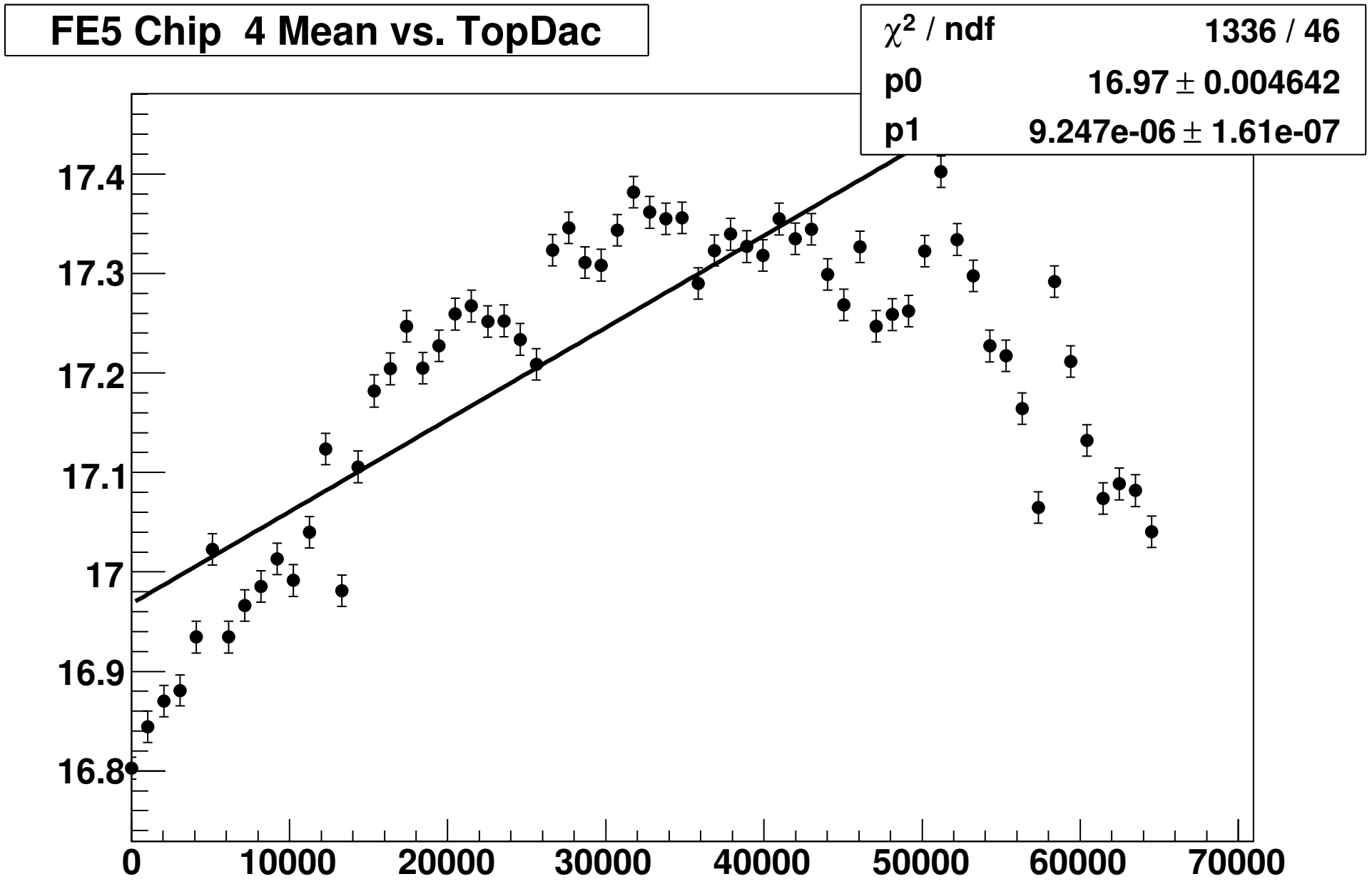

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1126 / 46
p0 1.355 ± 0.002586
p1 3.488e-05 ± 1.374e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

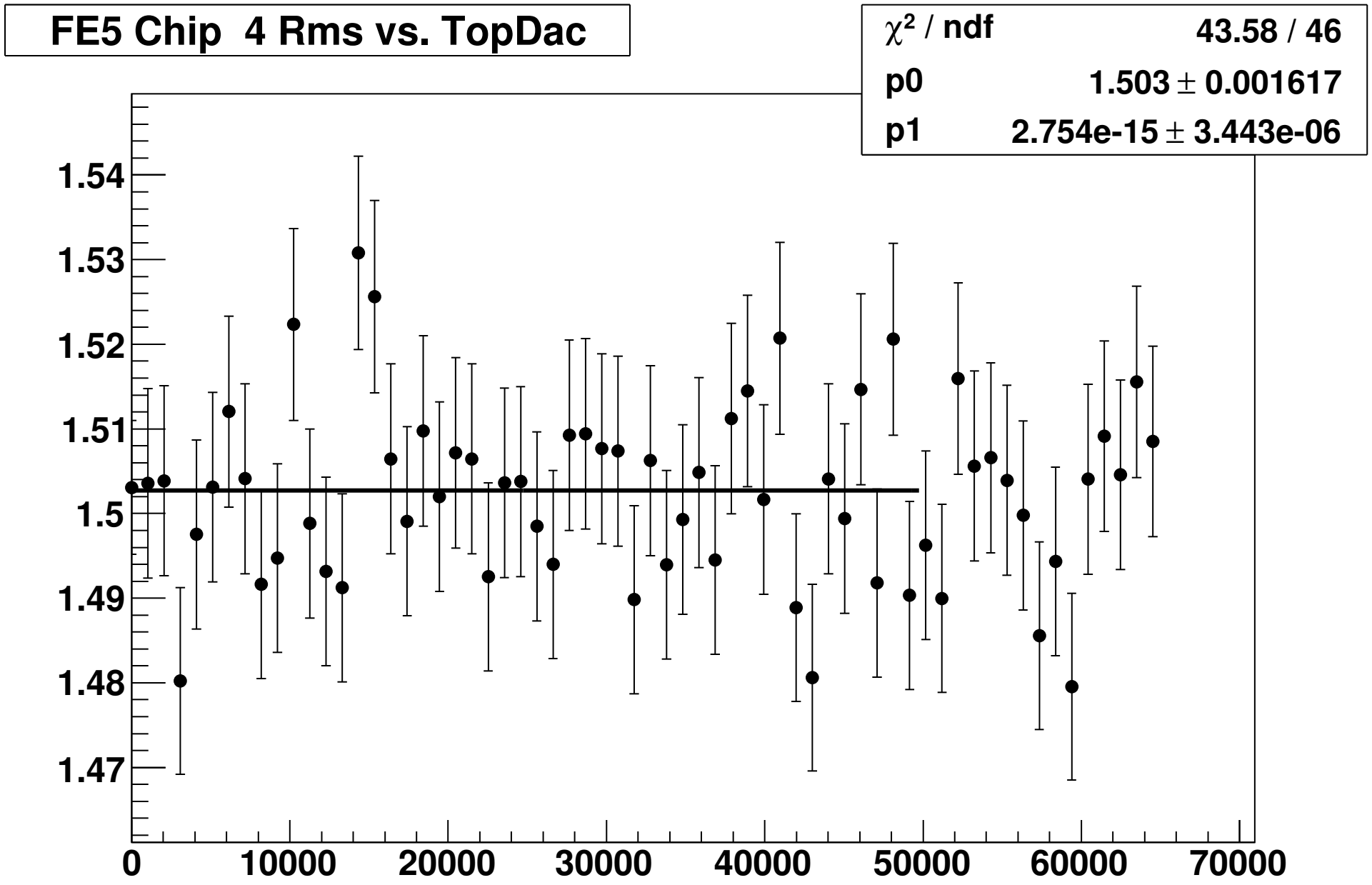

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 390.6 / 46
p0 19.74 ± 0.004489
p1 1.46e-06 ± 1.558e-07
19.9
19.85
19.8
19.75
19.7
19.65
19.6
0
10000
20000
30000
40000
50000
60000
70000

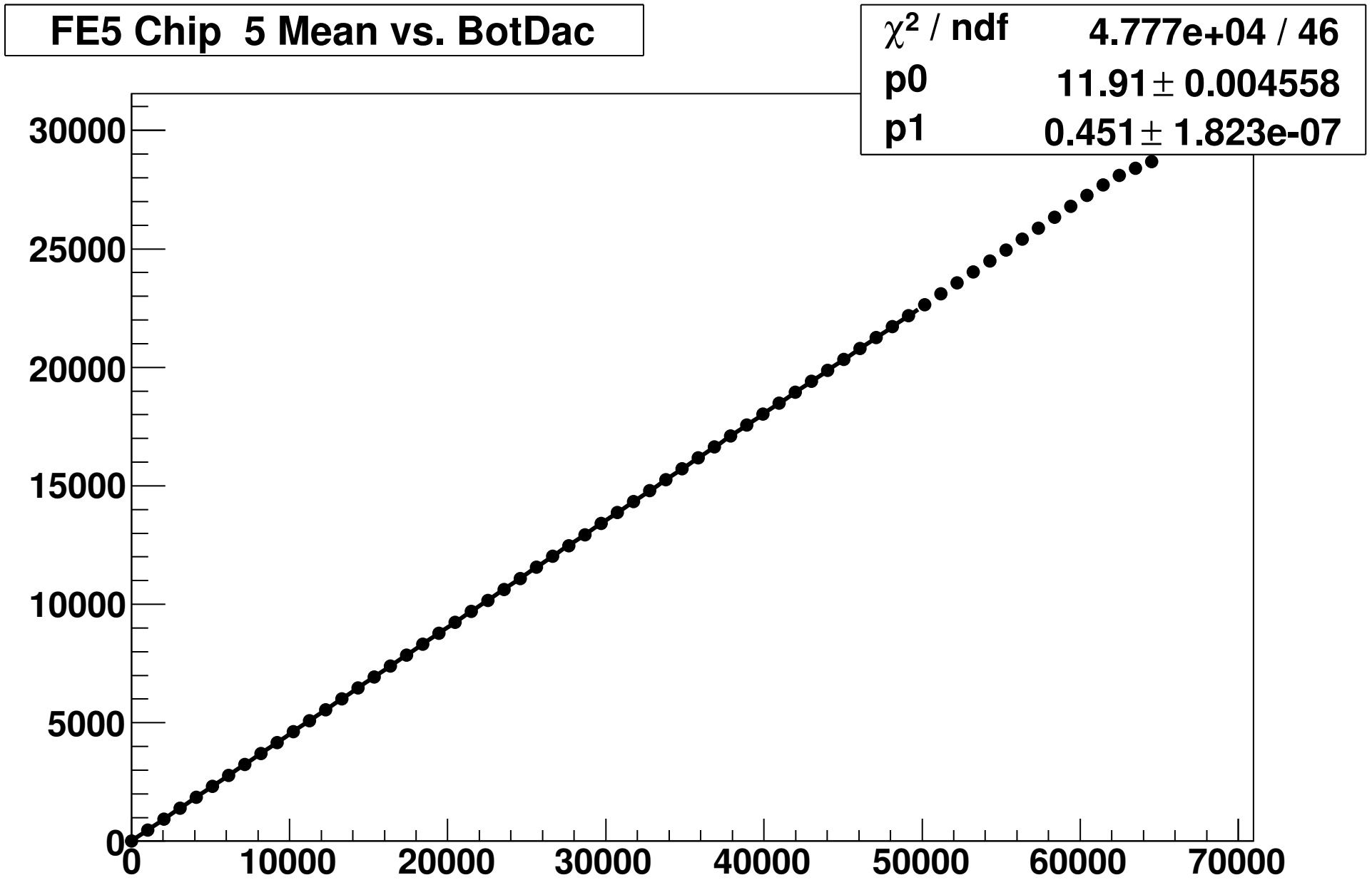

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 52.38 / 46
p0 1.454 ± 0.002363
p1 1.474e-06 ± 2.101e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

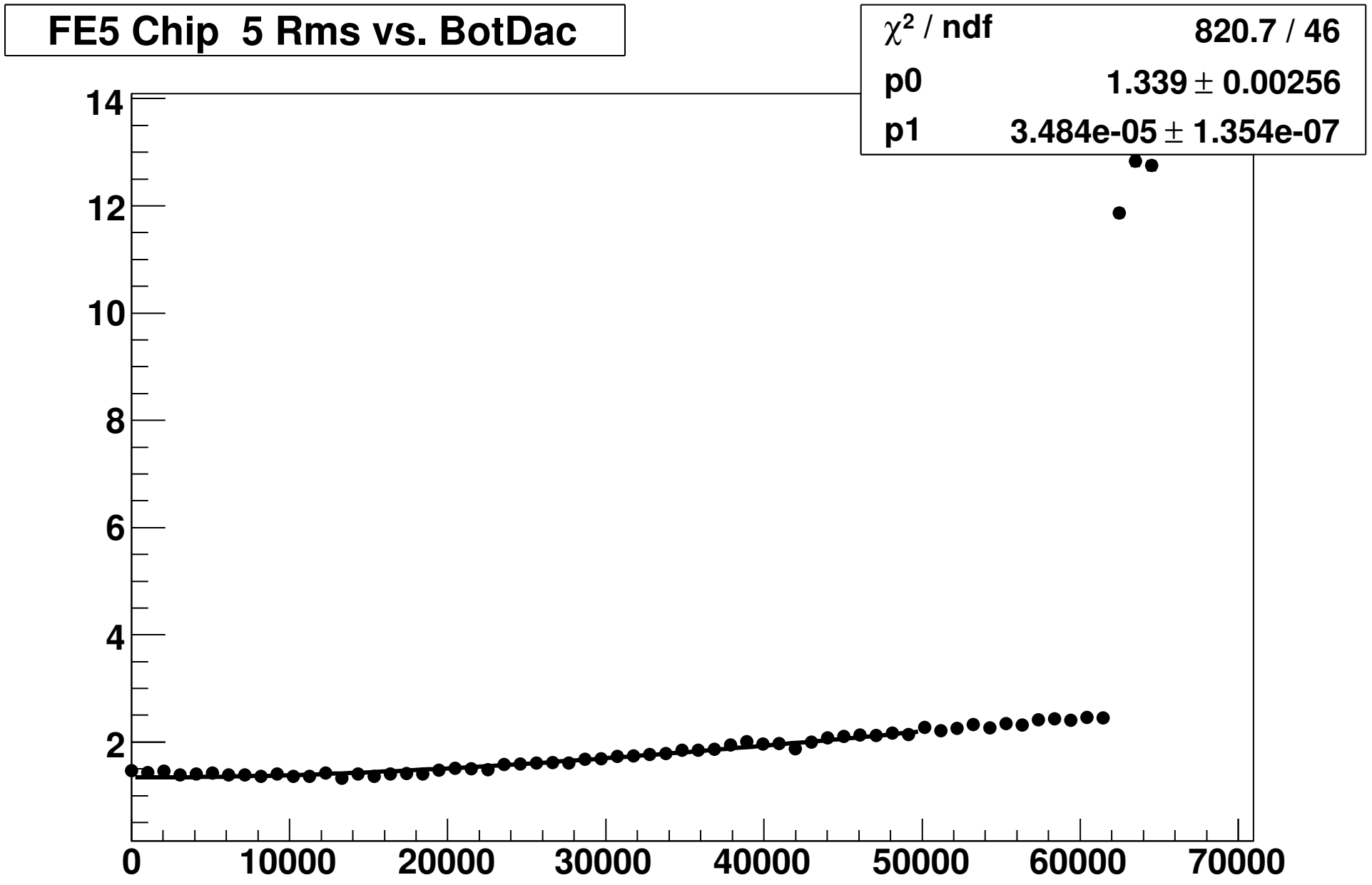

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 5.673e+04 / 46
p0 16.3 ± 0.004633
p1 0.451 ± 1.848e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

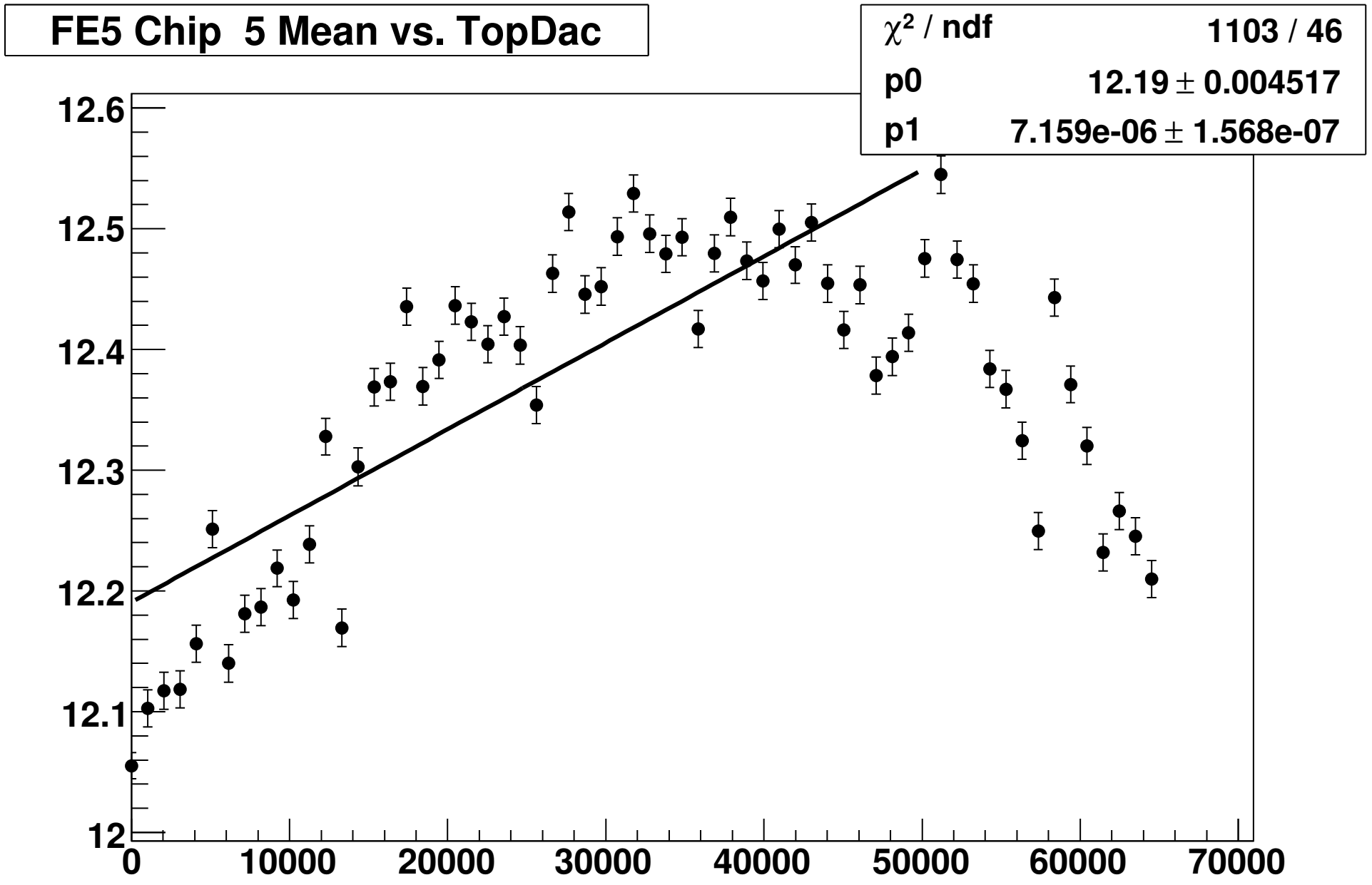

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 1069 / 46
p0 1.362 ± 0.002597
p1 3.494e-05 ± 1.382e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 1336 / 46
p0 16.97 ± 0.004642
p1 9.247e-06 ± 1.61e-07
17.4
17.3
17.2
17.1
17
16.9
16.8
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. TopDac
χ² / ndf 43.58 / 46
p0 1.503 ± 0.001617
p1 2.754e-15 ± 3.443e-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


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 4.777e+04 / 46
p0 11.91 ± 0.004558
p1 0.451 ± 1.823e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 820.7 / 46
p0 1.339 ± 0.00256
p1 3.484e-05 ± 1.354e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 1103 / 46
p0 12.19 ± 0.004517
p1 7.159e-06 ± 1.568e-07
12.6
12.5
12.4
12.3
12.2
12.1
12
0
10000
20000
30000
40000
50000
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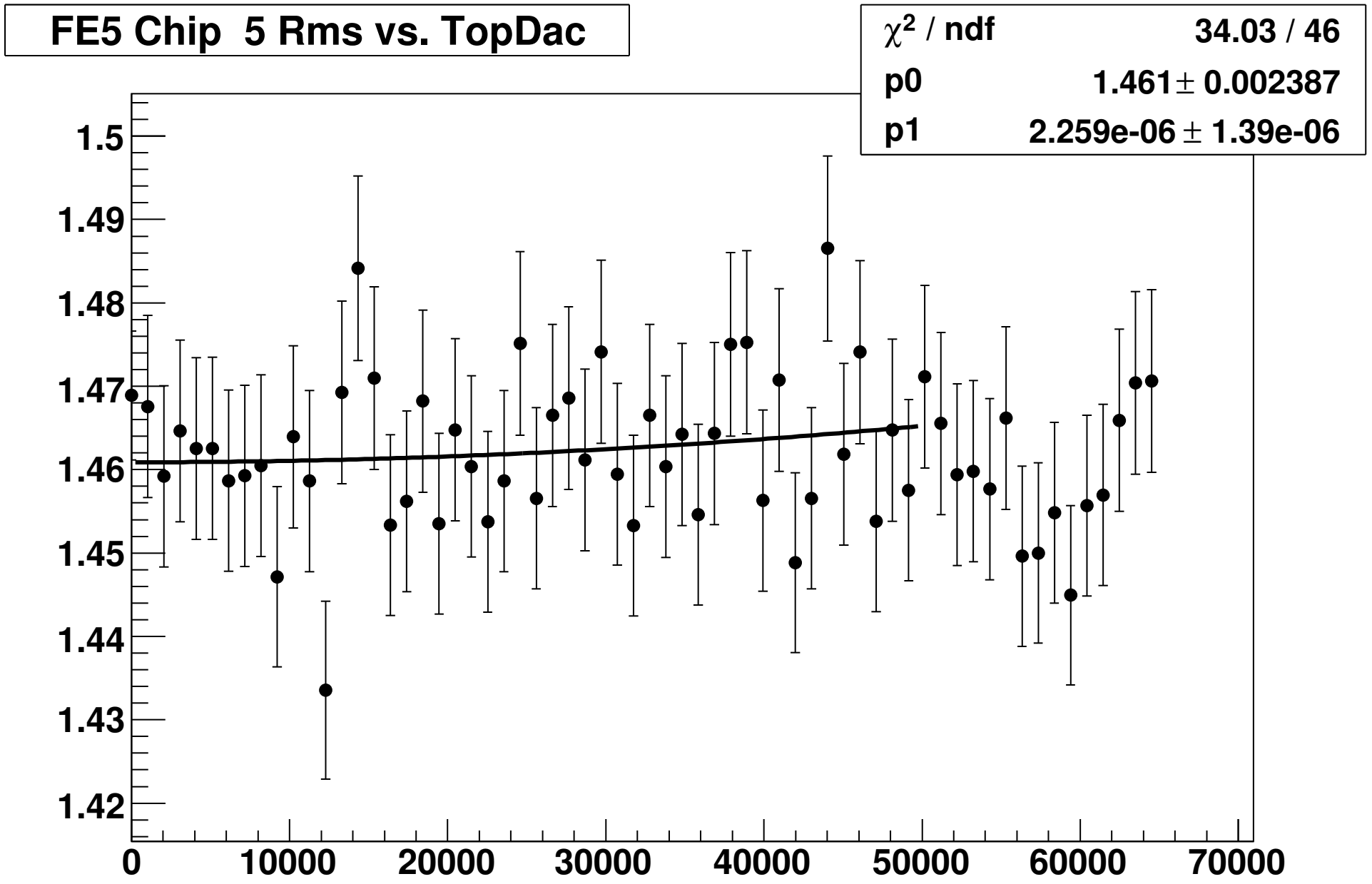
FE5 Chip 5 Rms vs. TopDac
χ² / ndf 34.03 / 46
p0 1.461 ± 0.002387
p1 2.259e-06 ± 1.39e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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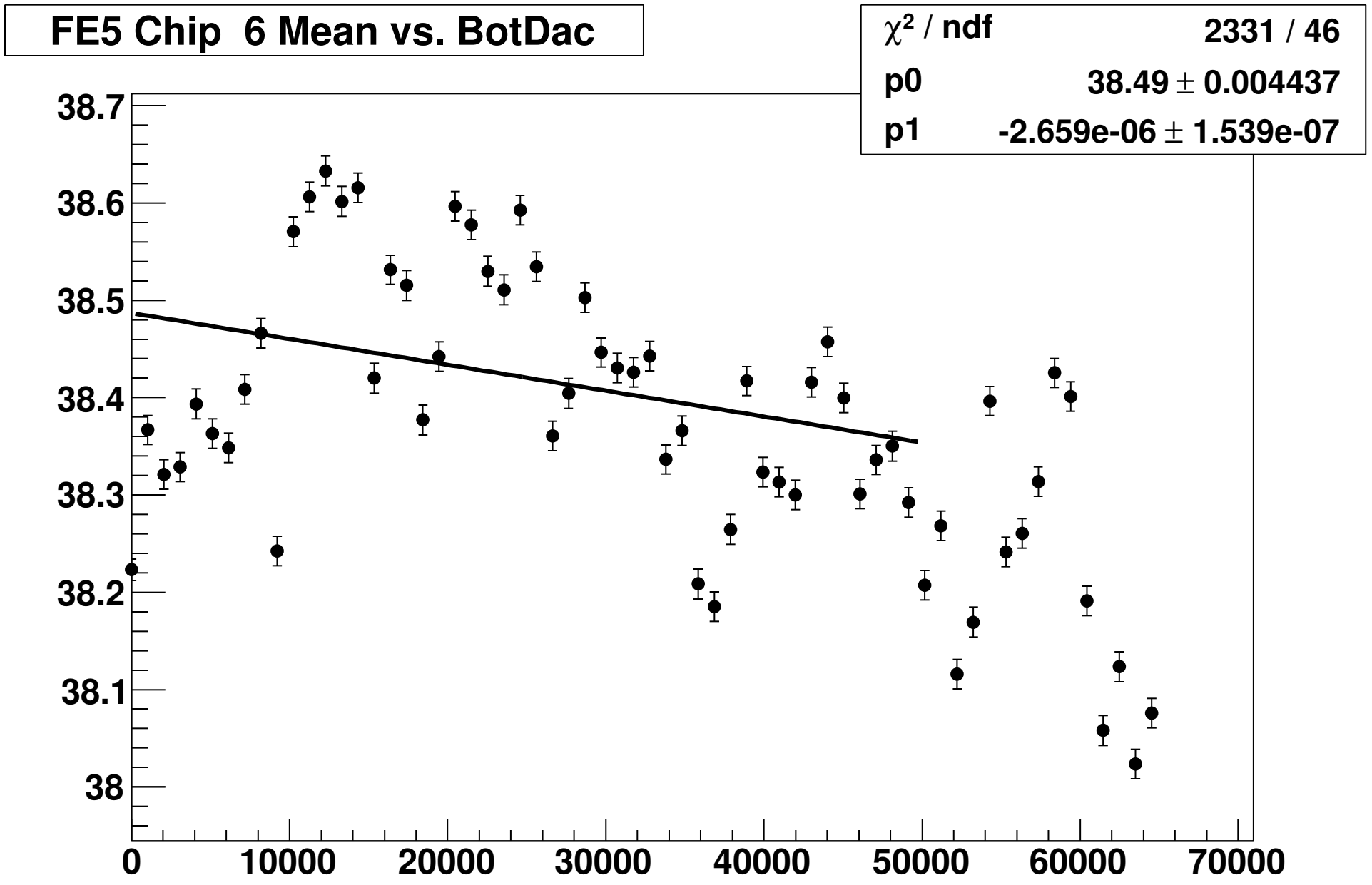
FE5 Chip 6 Mean vs. BotDac
χ² / ndf 2331 / 46
p0 38.49 ± 0.004437
p1 -2.659e-06 ± 1.539e-07
38.7
38.6
38.5
38.4
38.3
38.2
38.1
38
0
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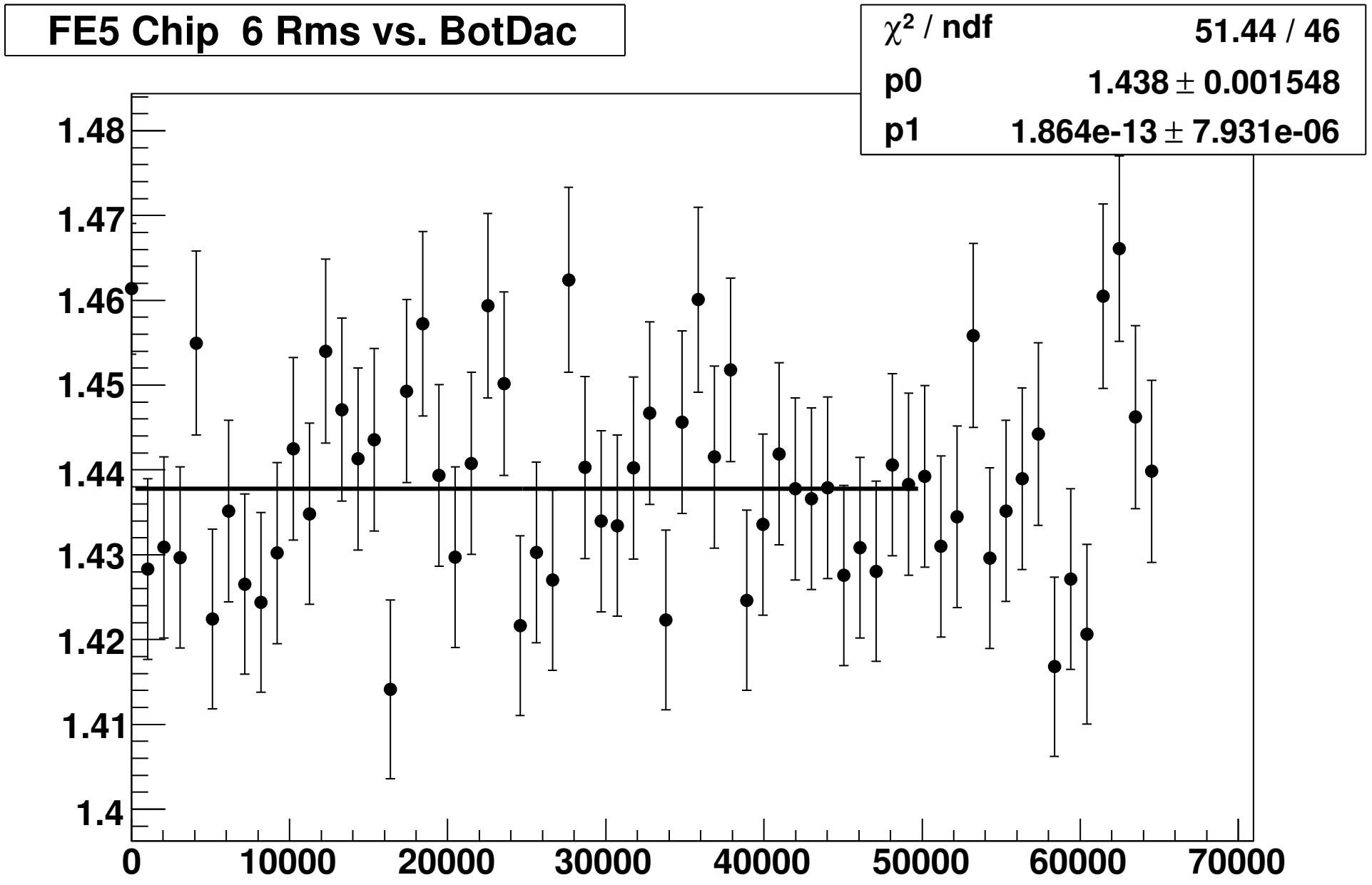
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 51.44 / 46
p0 1.438 ± 0.001548
p1 1.864e-13 ± 7.931e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
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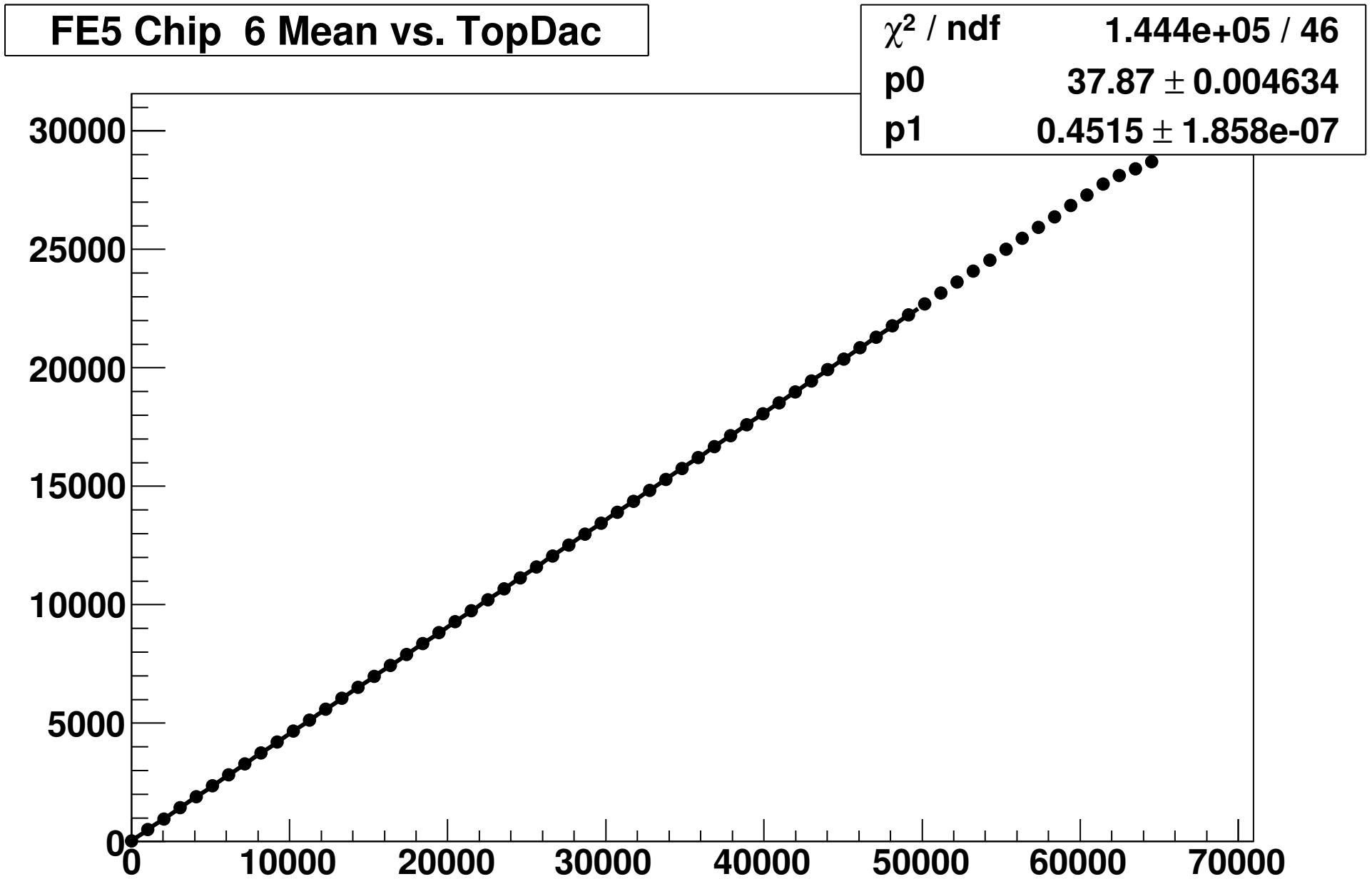
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.444e+05 / 46
p0 37.87 ± 0.004634
p1 0.4515 ± 1.858e-07
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15000
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5000
0
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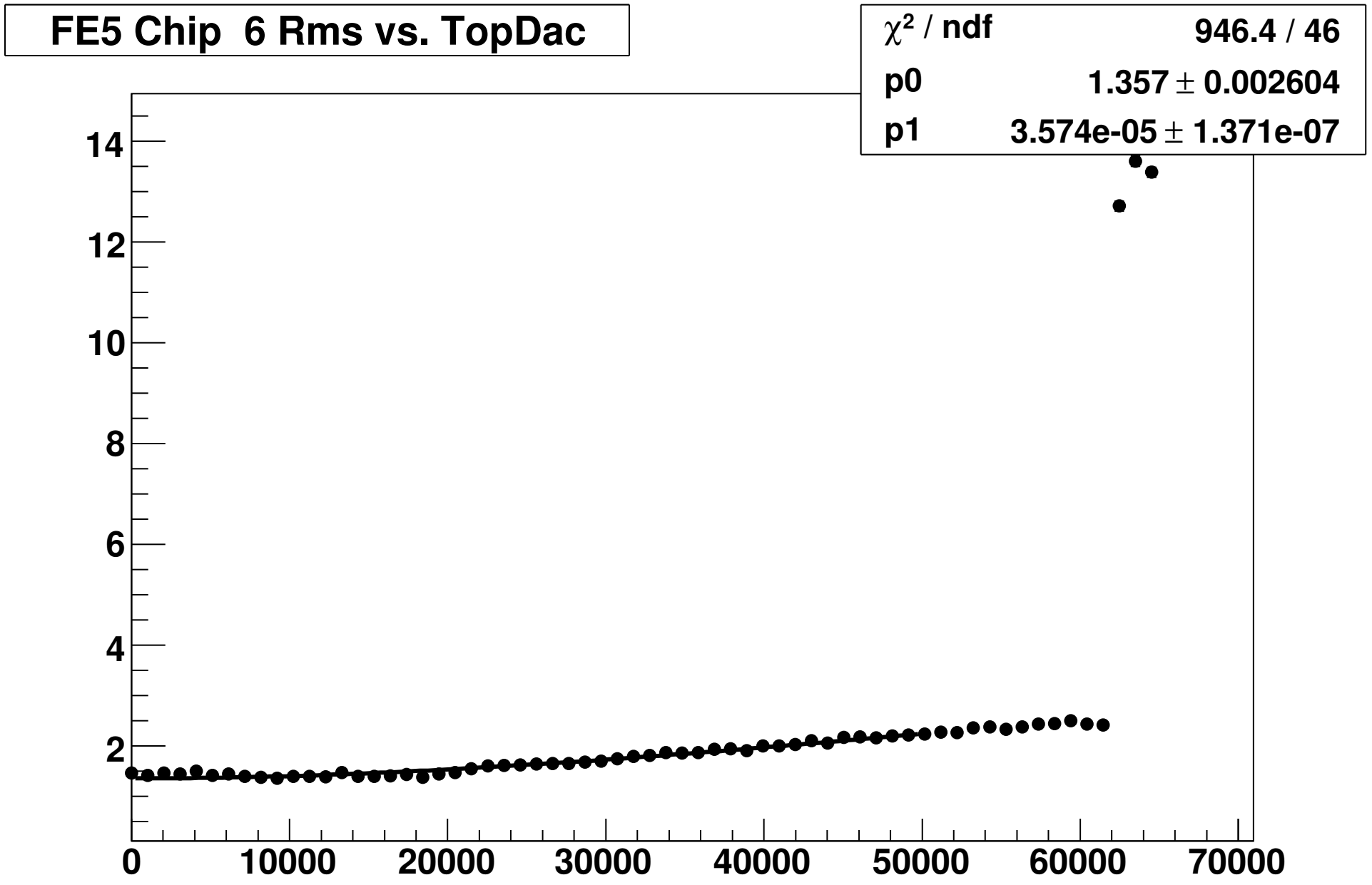
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 946.4 / 46
p0 1.357 ± 0.002604
p1 3.574e-05 ± 1.371e-07
14
12
10
8
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4
2
0
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20000
30000
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60000
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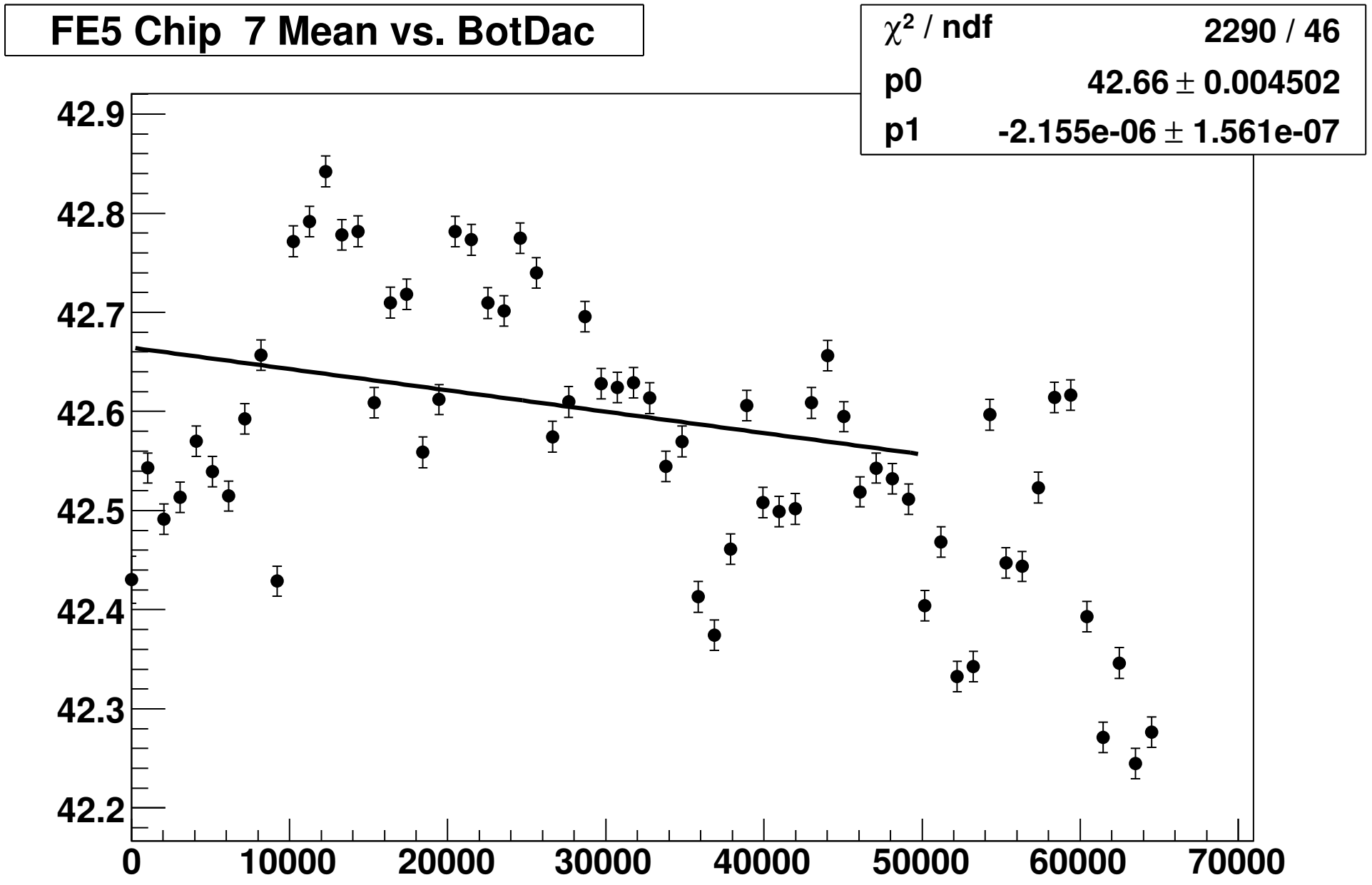
FE5 Chip 7 Mean vs. BotDac
χ² / ndf 2290 / 46
p0 42.66 ± 0.004502
p1 -2.155e-06 ± 1.561e-07
42.9
42.8
42.7
42.6
42.5
42.4
42.3
42.2
0
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60000
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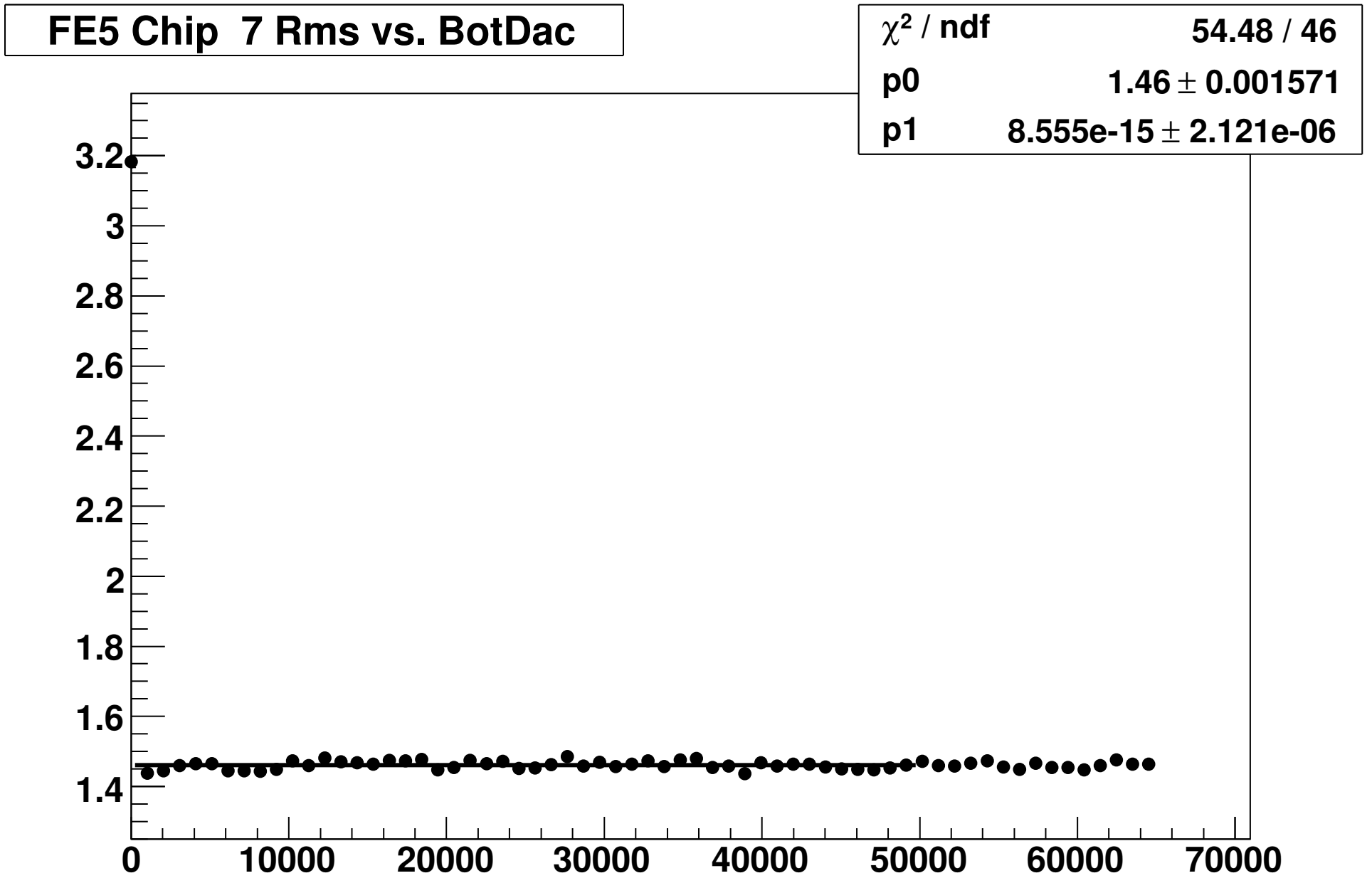
FE5 Chip 7 Rms vs. BotDac
χ² / ndf 54.48 / 46
p0 1.46 ± 0.001571
p1 8.555e-15 ± 2.121e-06
3.2
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
0
10000
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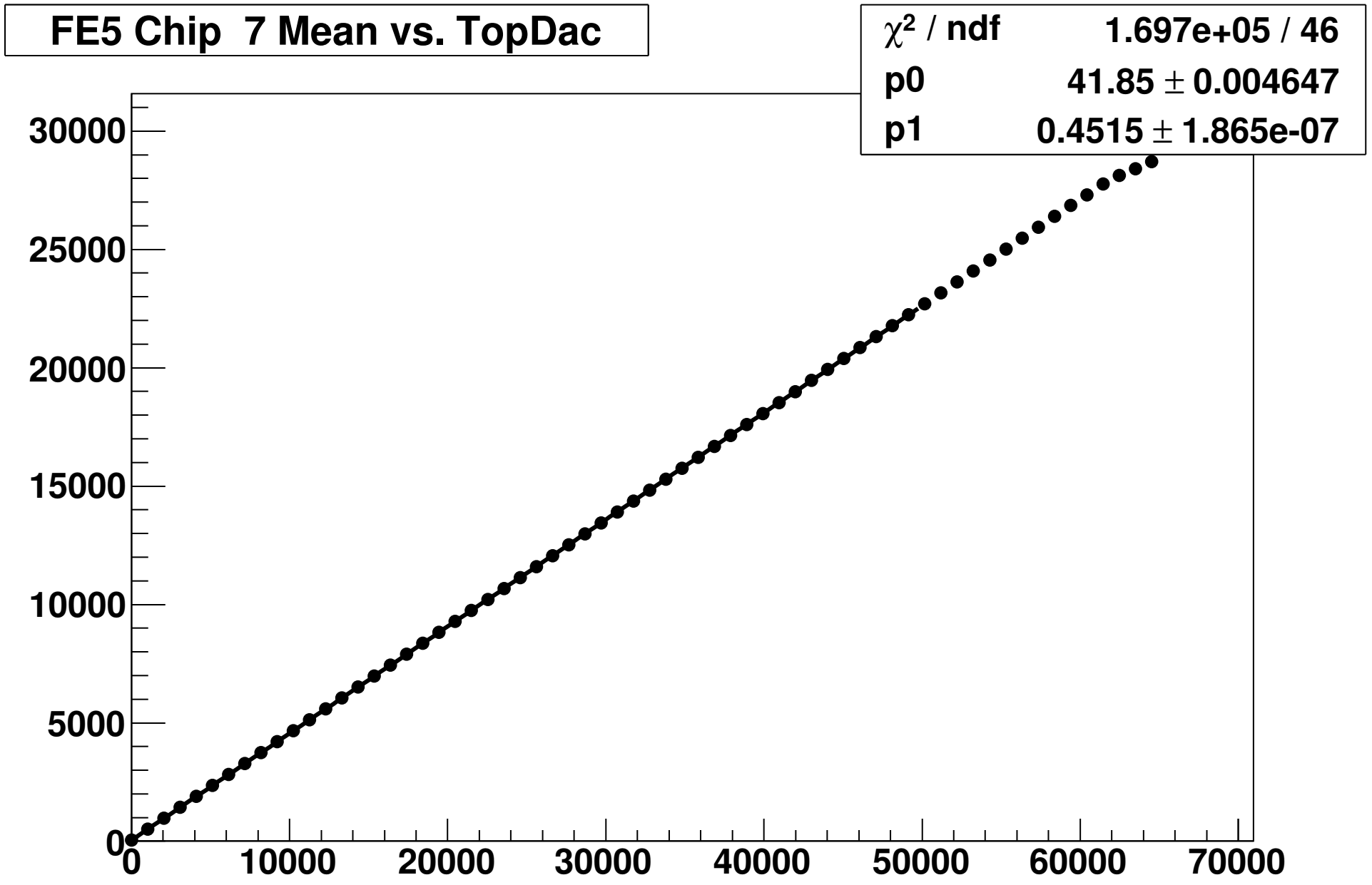
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.697e+05 / 46
p0 41.85 ± 0.004647
p1 0.4515 ± 1.865e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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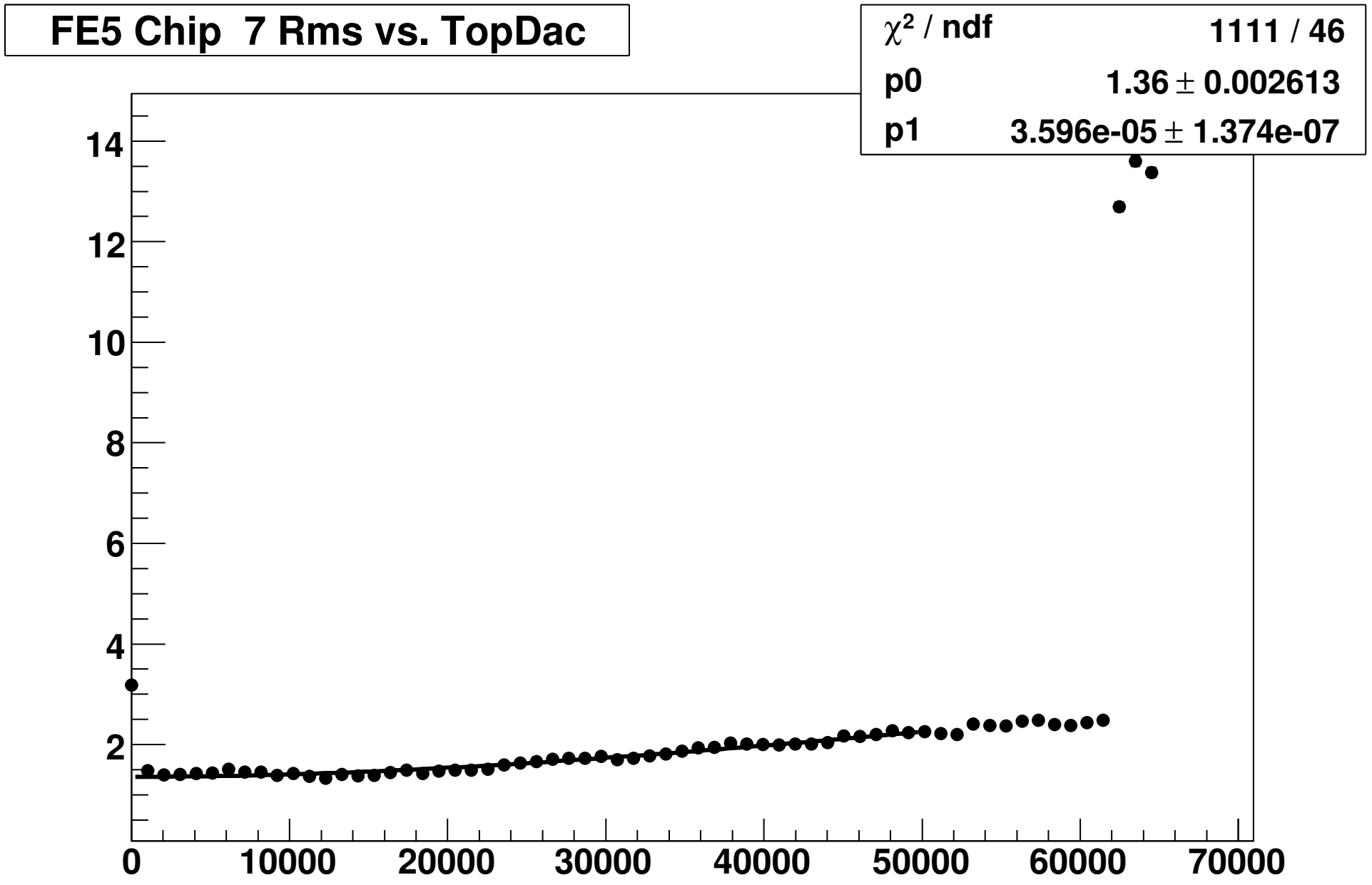
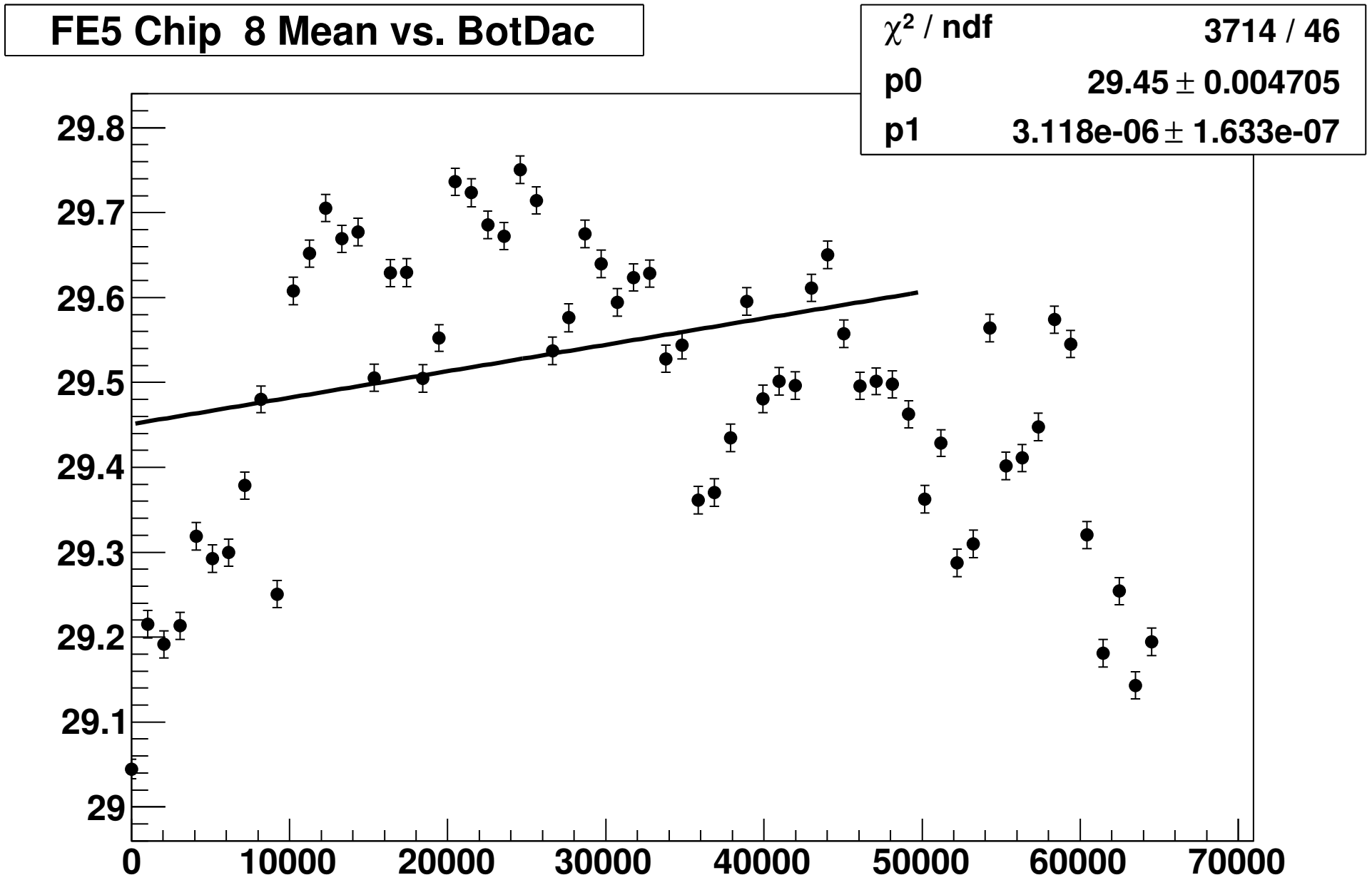

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1111 / 46
p0 1.36 ± 0.002613
p1 3.596e-05 ± 1.374e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 3714 / 46
p0 29.45 ± 0.004705
p1 3.118e-06 ± 1.633e-07
29.8
29.7
29.6
29.5
29.4
29.3
29.2
29.1
29
0
10000
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30000
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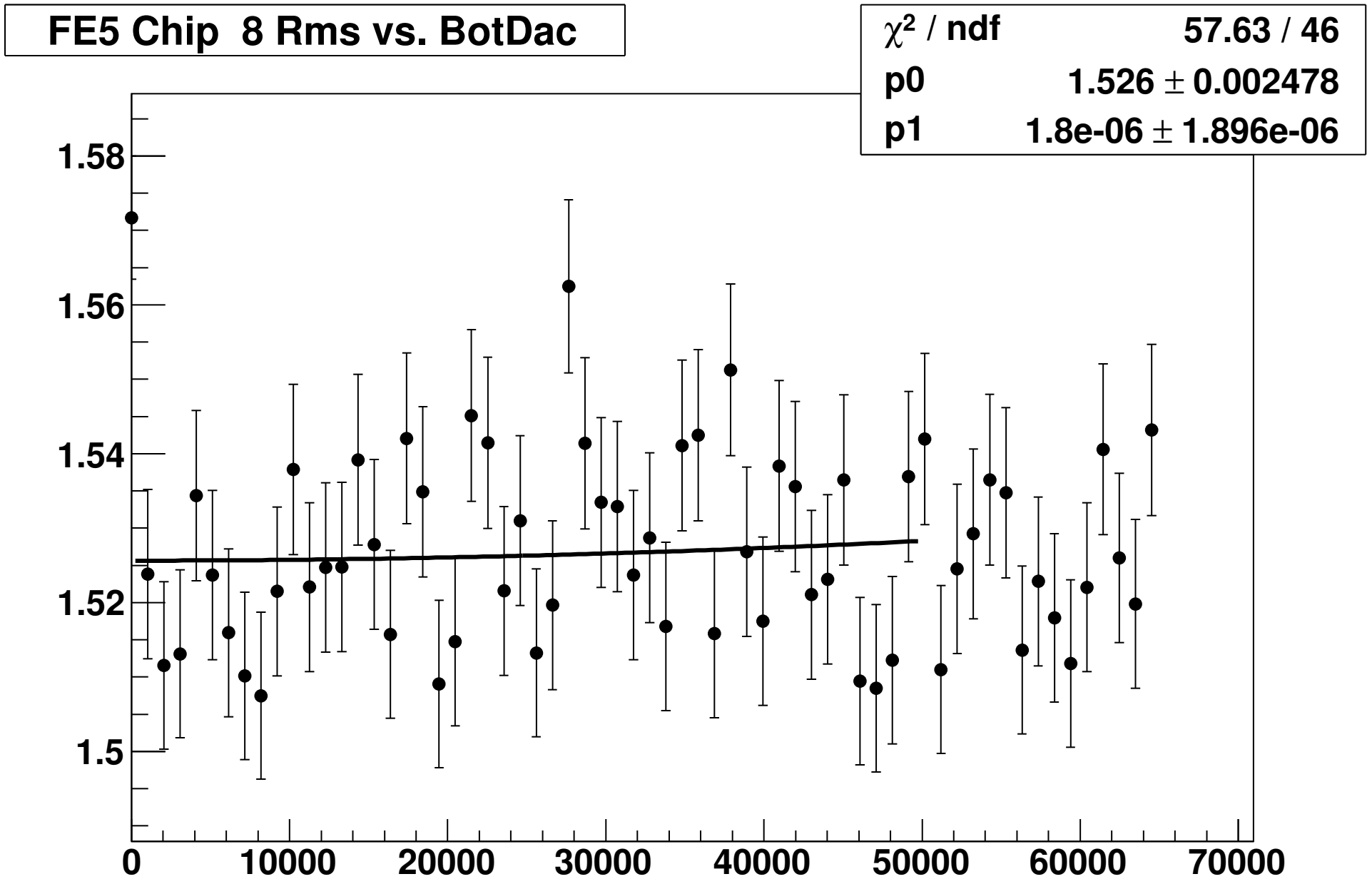
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 57.63 / 46
p0 1.526 ± 0.002478
p1 1.8e-06 ± 1.896e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
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60000
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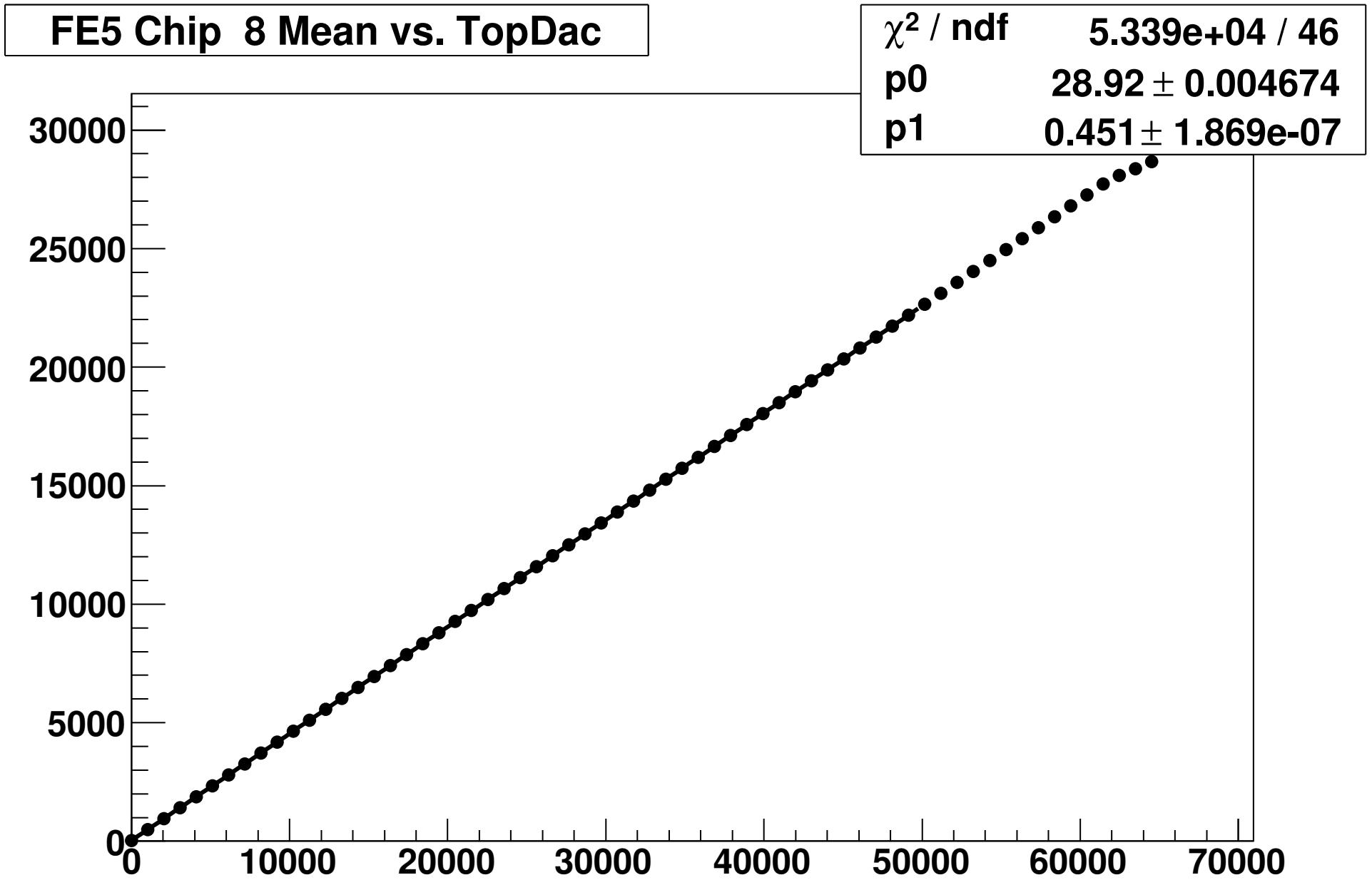
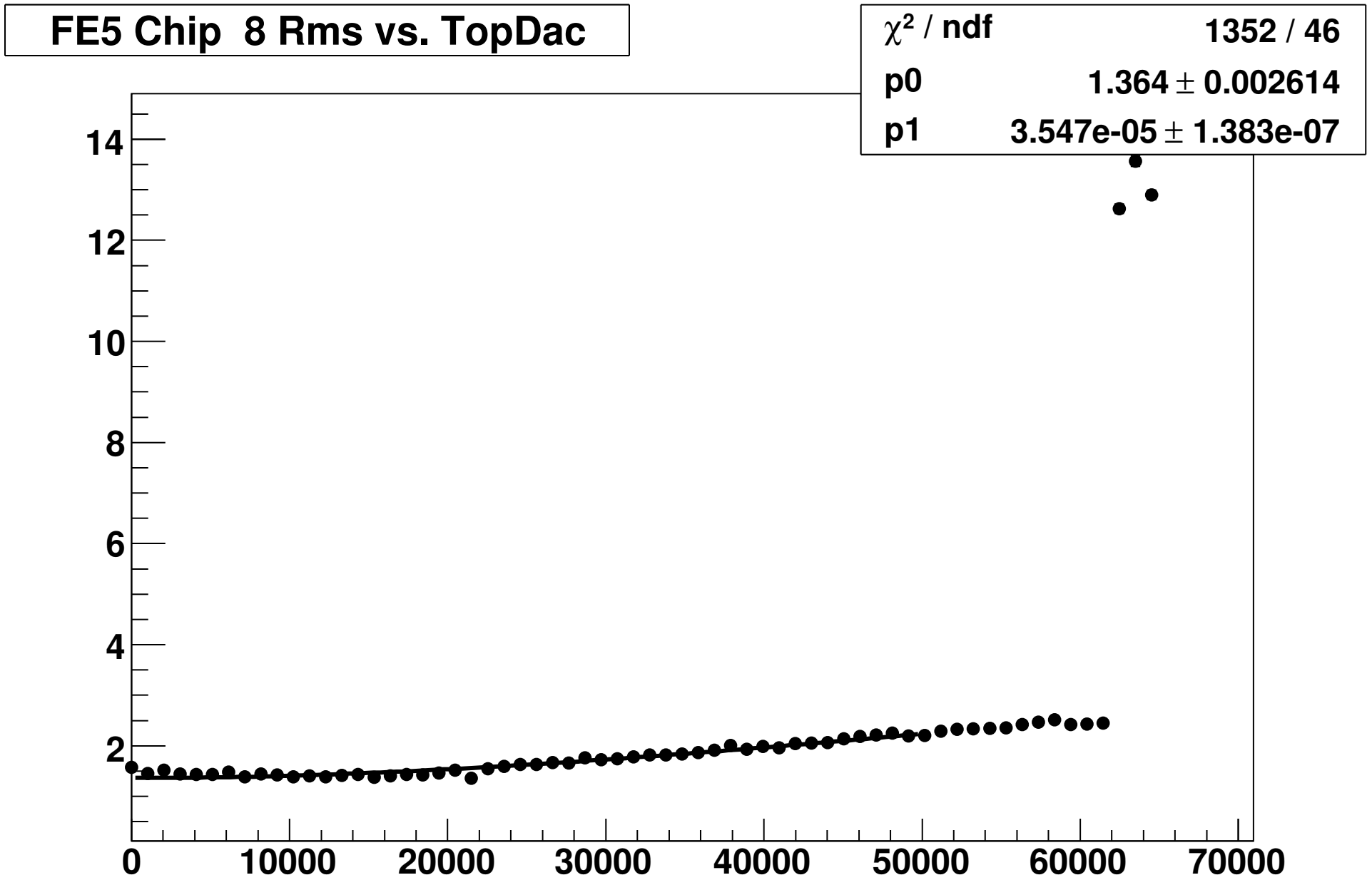
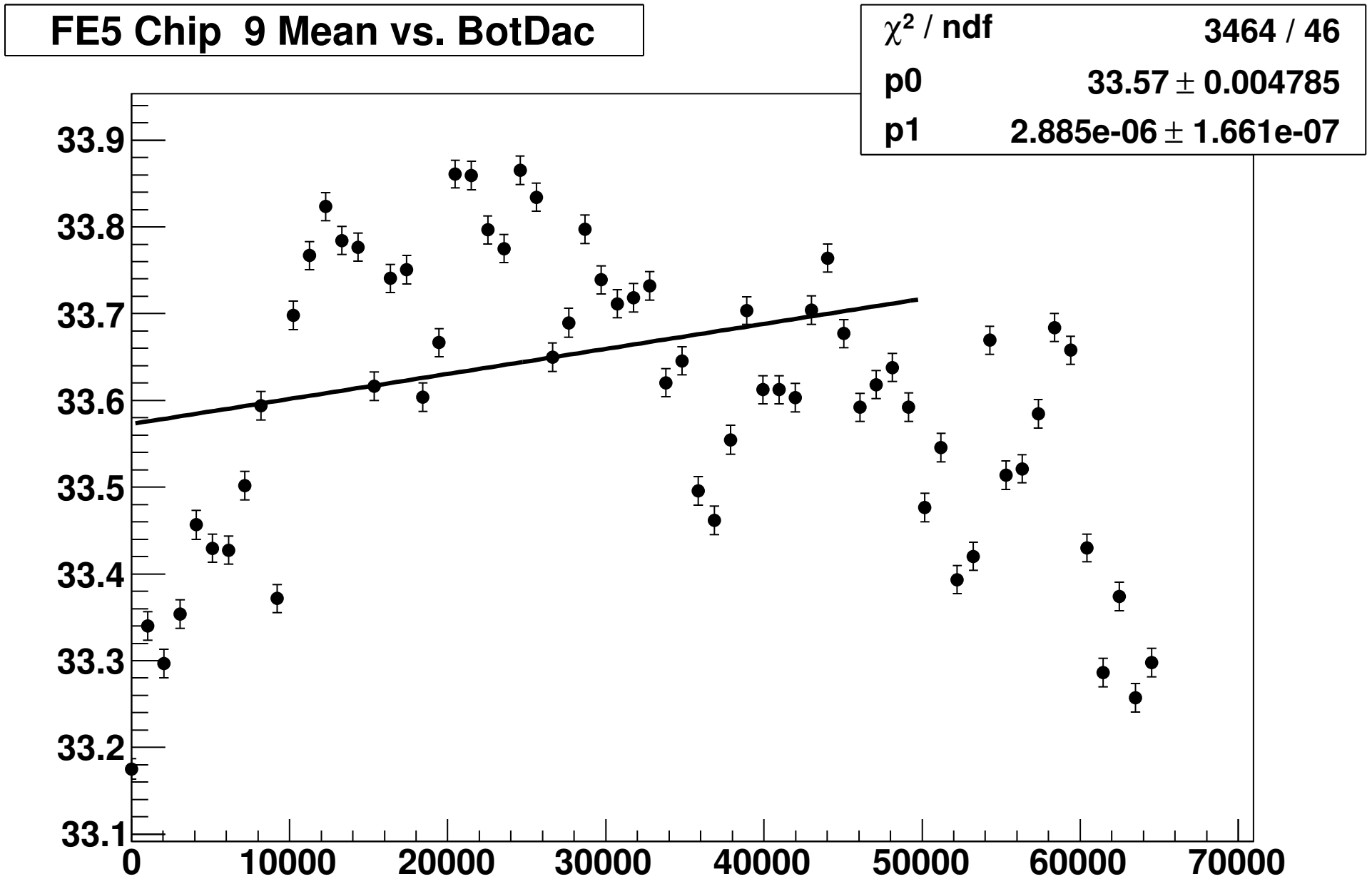
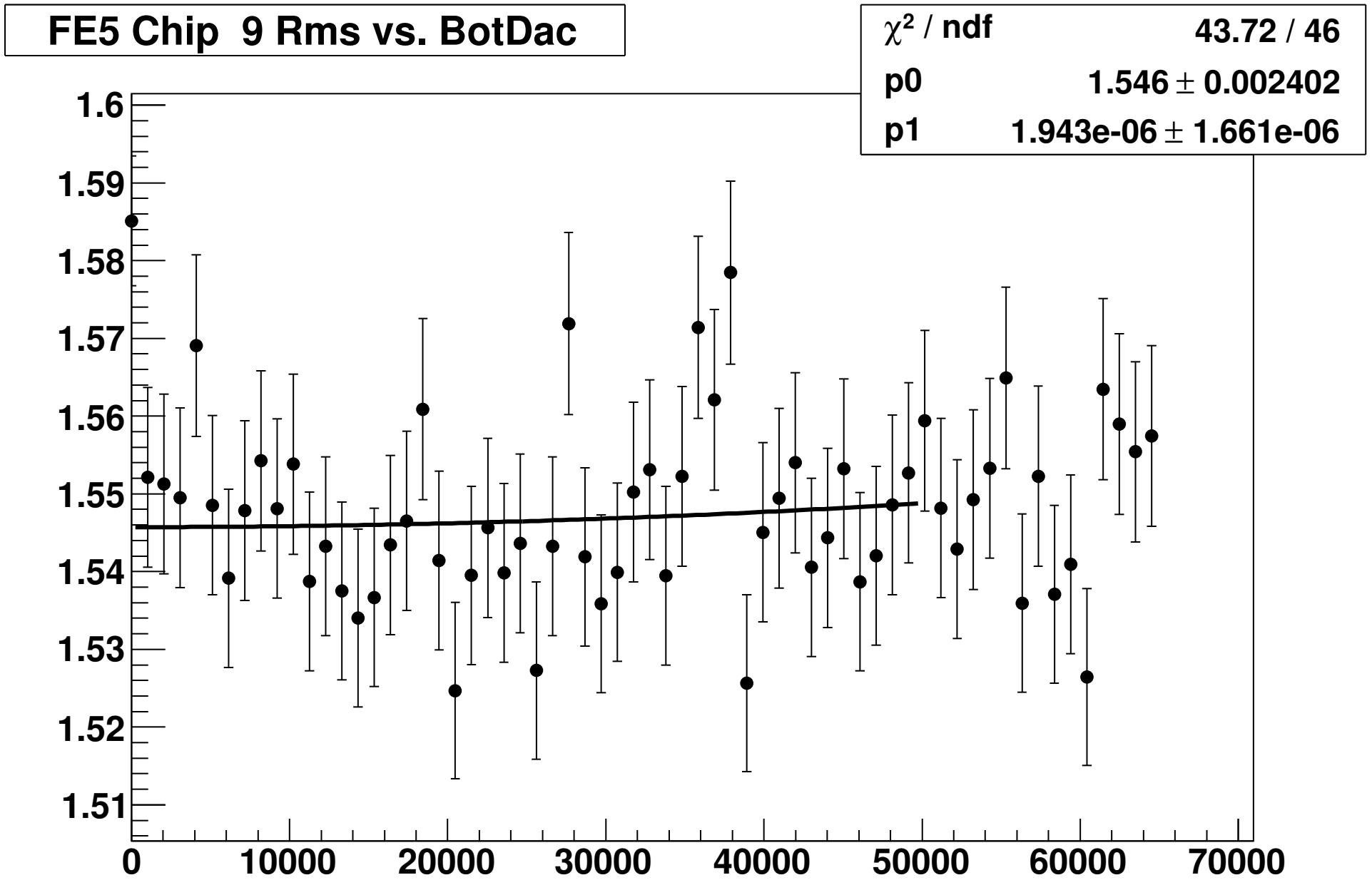

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 5.339e+04 / 46
p0 28.92 ± 0.004674
p1 0.451 ± 1.869e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 1352 / 46
p0 1.364 ± 0.002614
p1 3.547e-05 ± 1.383e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 3464 / 46
p0 33.57 ± 0.004785
p1 2.885e-06 ± 1.661e-07
33.9
33.8
33.7
33.6
33.5
33.4
33.3
33.2
33.1
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 43.72 / 46
p0 1.546 ± 0.002402
p1 1.943e-06 ± 1.661e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
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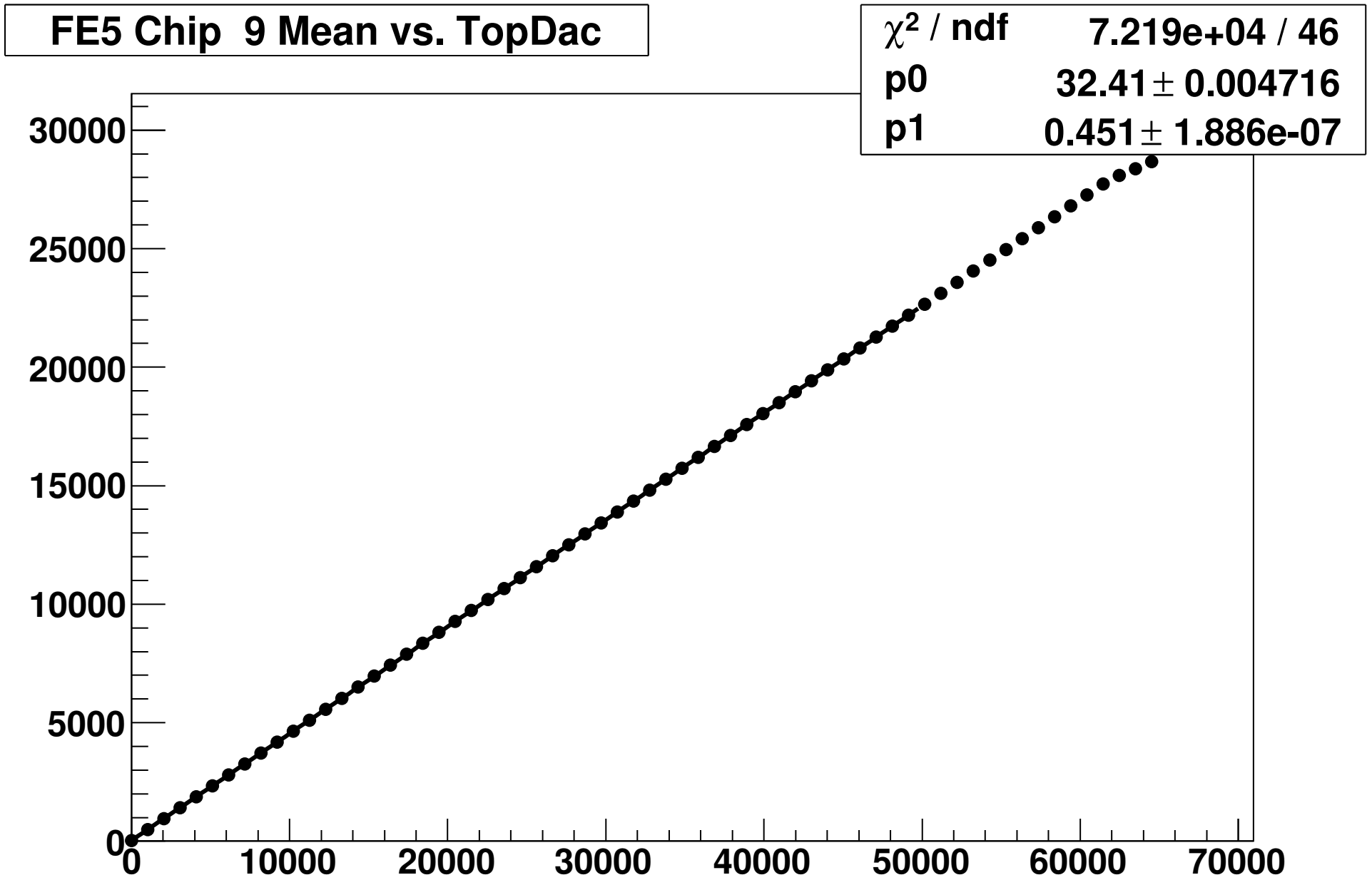
FE5 Chip 9 Mean vs. TopDac
χ² / ndf 7.219e+04 / 46
p0 32.41 ± 0.004716
p1 0.451 ± 1.886e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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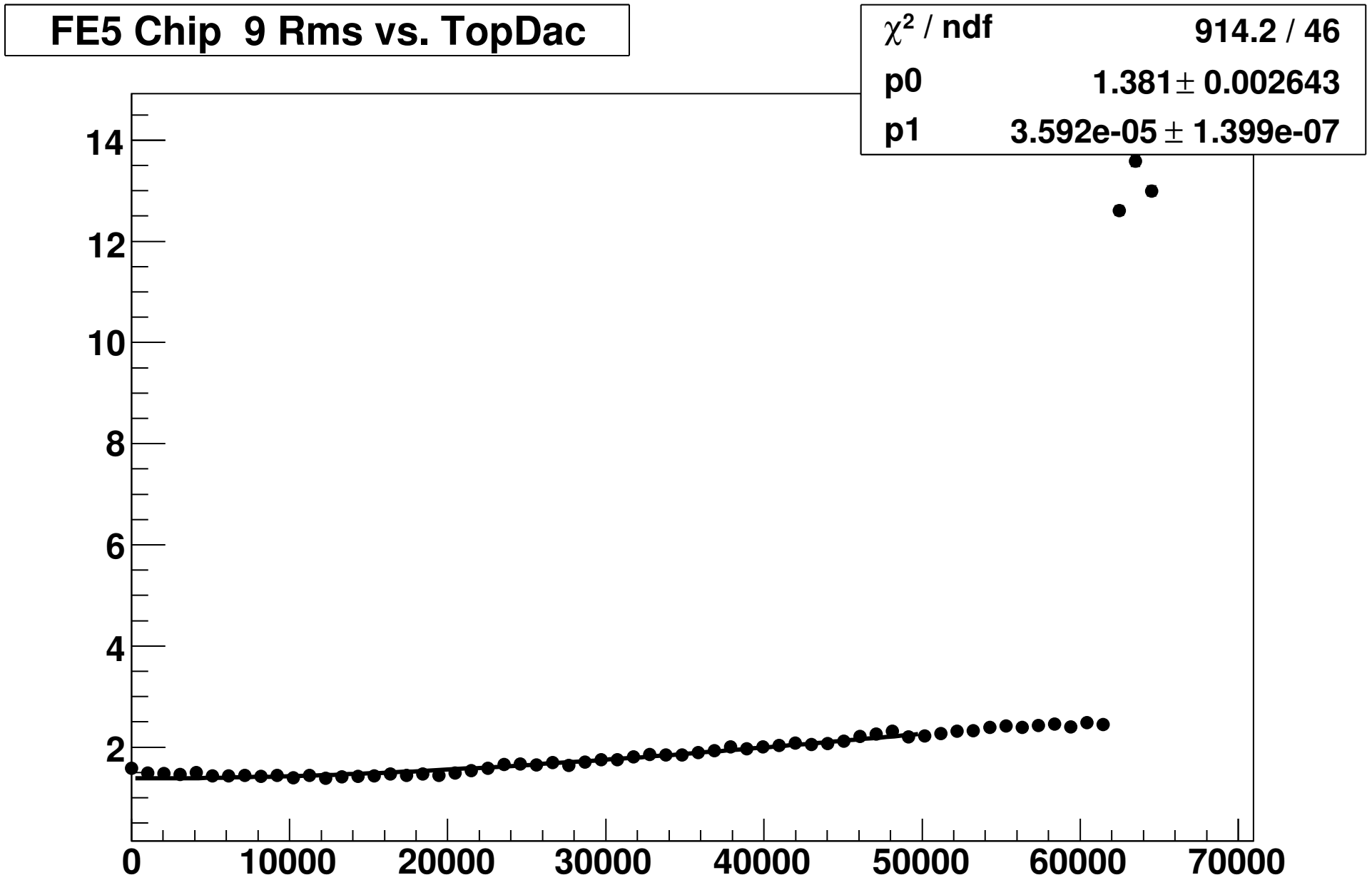
FE5 Chip 9 Rms vs. TopDac
χ² / ndf 914.2 / 46
p0 1.381 ± 0.002643
p1 3.592e-05 ± 1.399e-07
14
12
10
8
6
4
2
0
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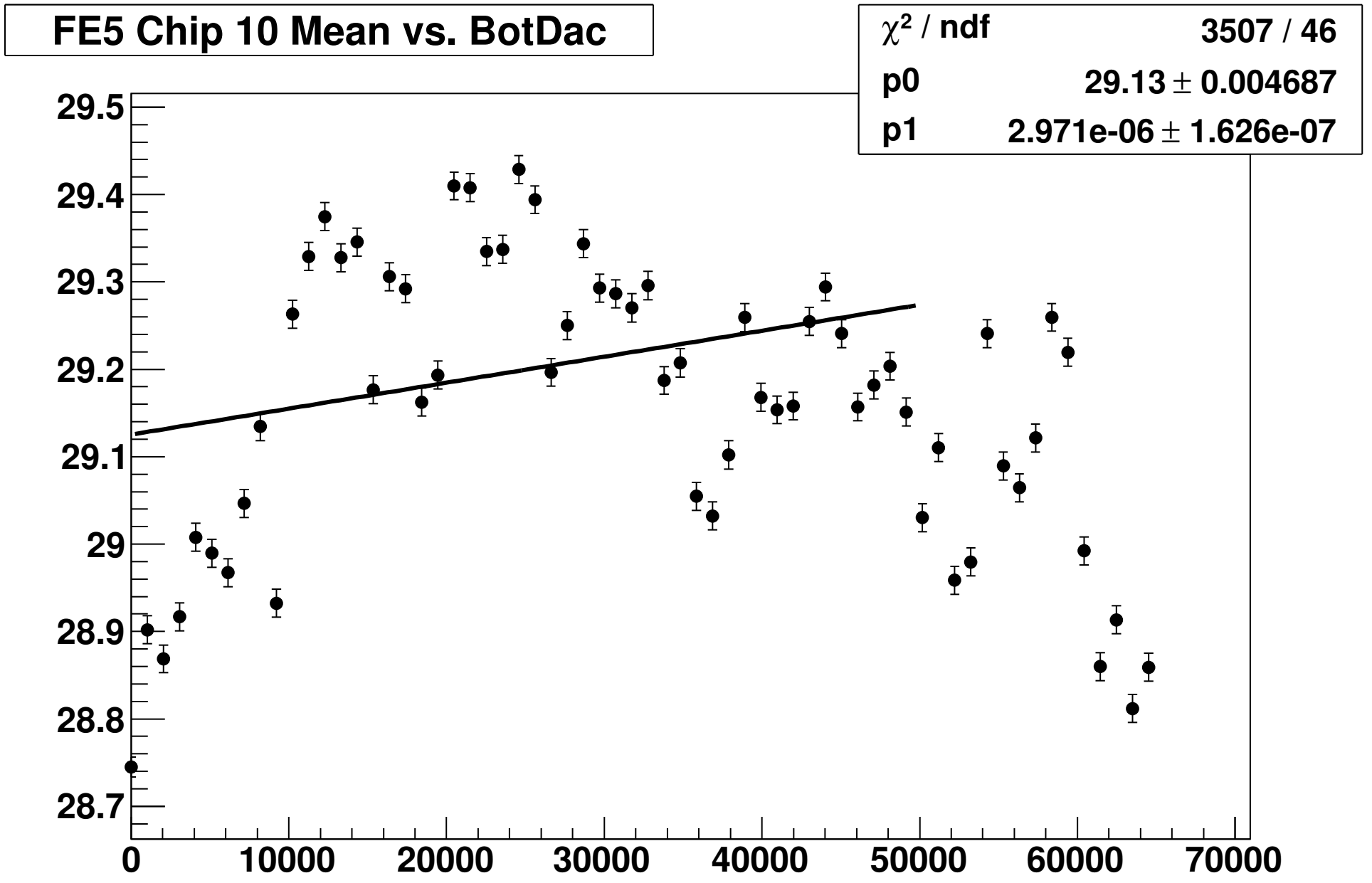
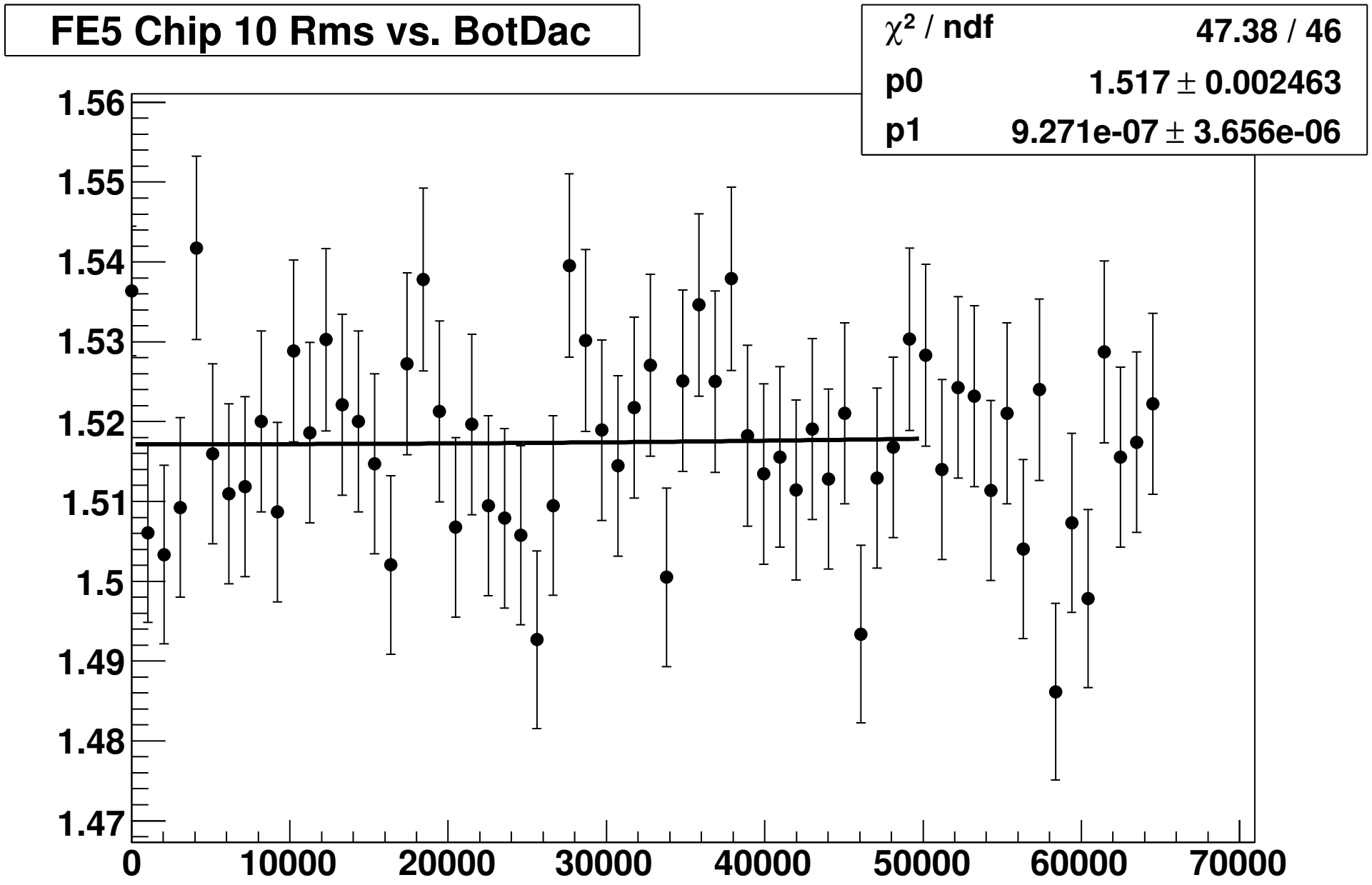
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 3507 / 46
p0 29.13 ± 0.004687
p1 2.971e-06 ± 1.626e-07
29.5
29.4
29.3
29.2
29.1
29
28.9
28.8
28.7
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 47.38 / 46
p0 1.517 ± 0.002463
p1 9.271e-07 ± 3.656e-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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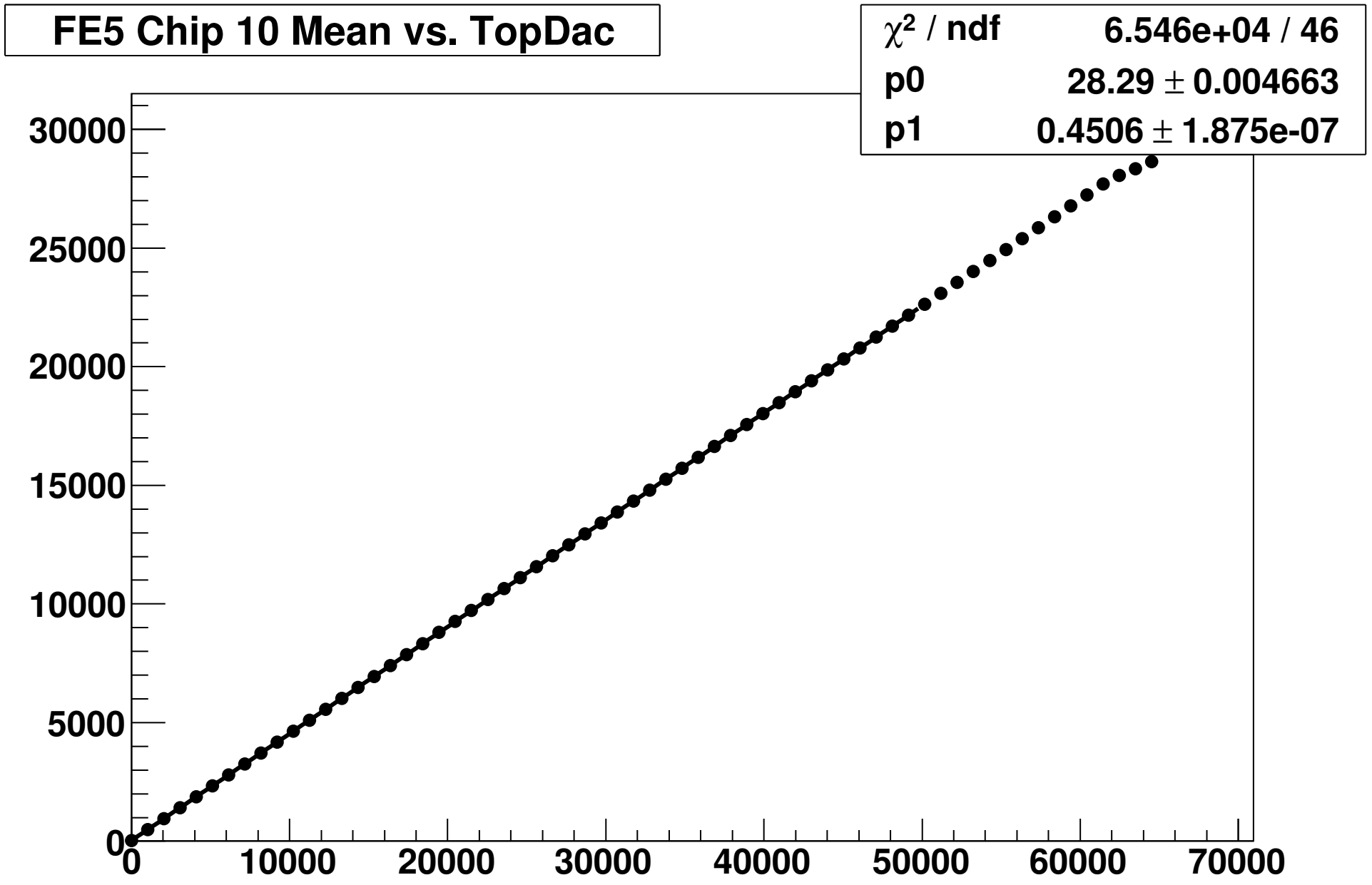
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 6.546e+04 / 46
p0 28.29 ± 0.004663
p1 0.4506 ± 1.875e-07
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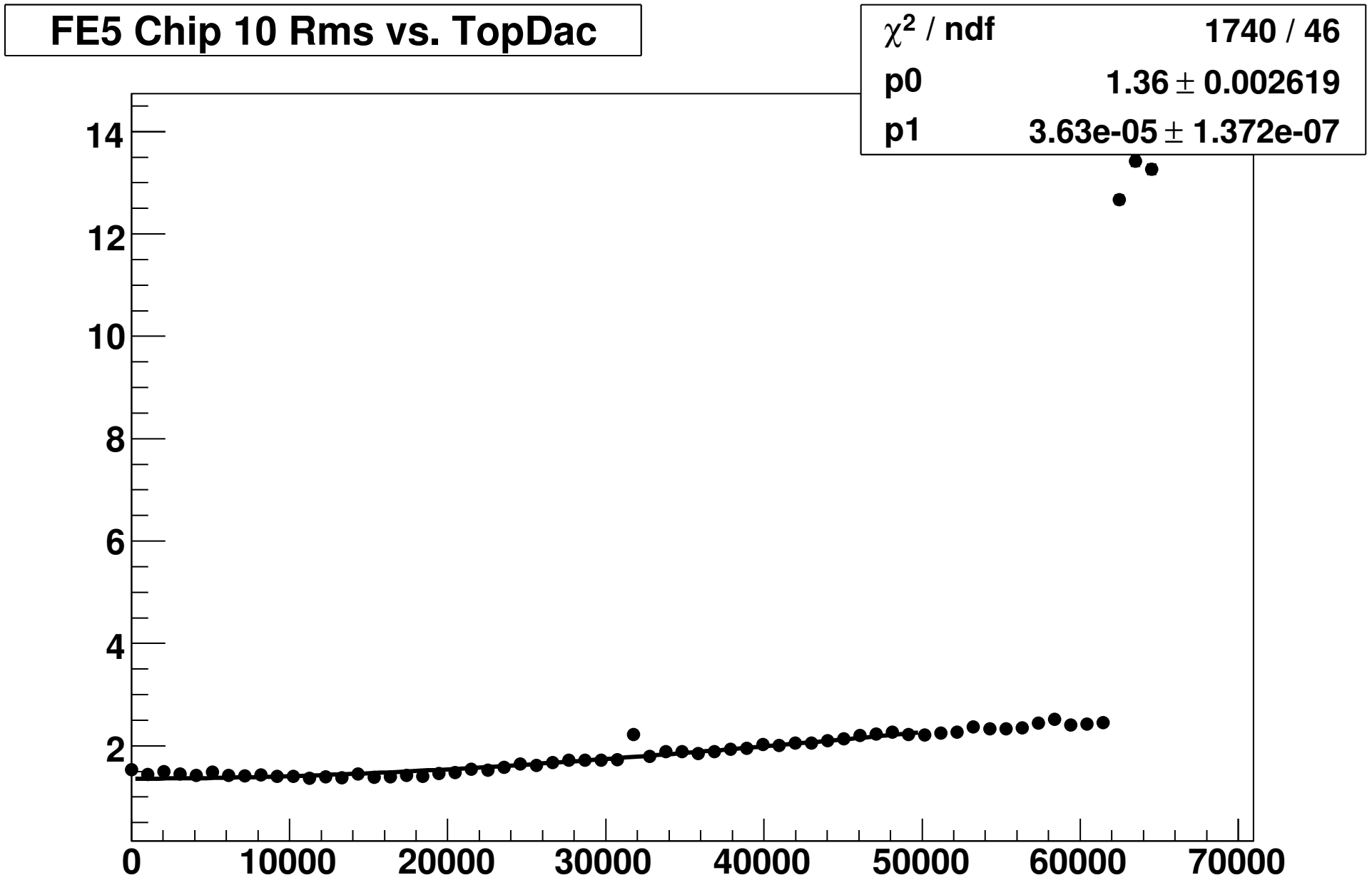
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 1740 / 46
p0 1.36 ± 0.002619
p1 3.63e-05 ± 1.372e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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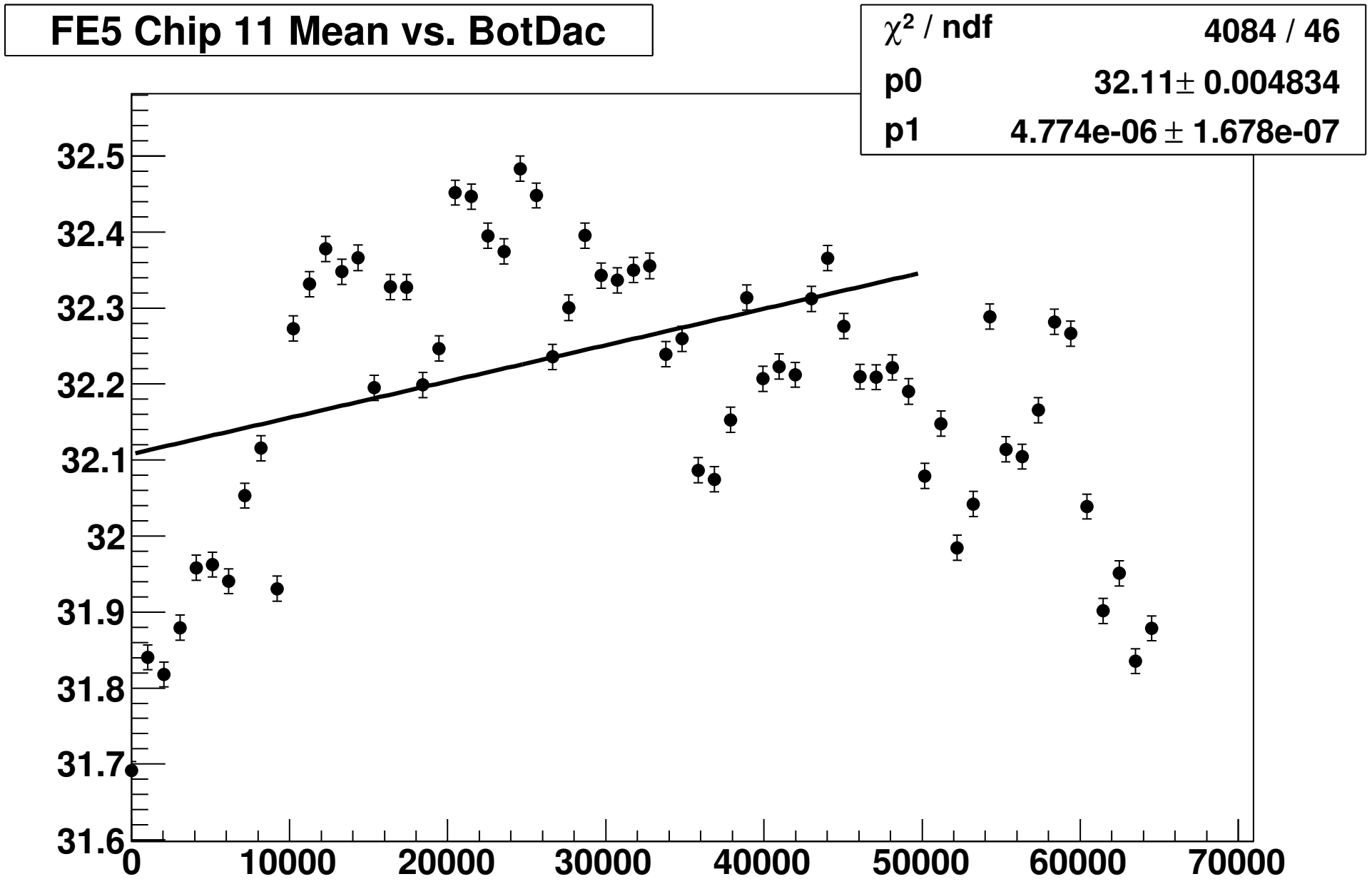
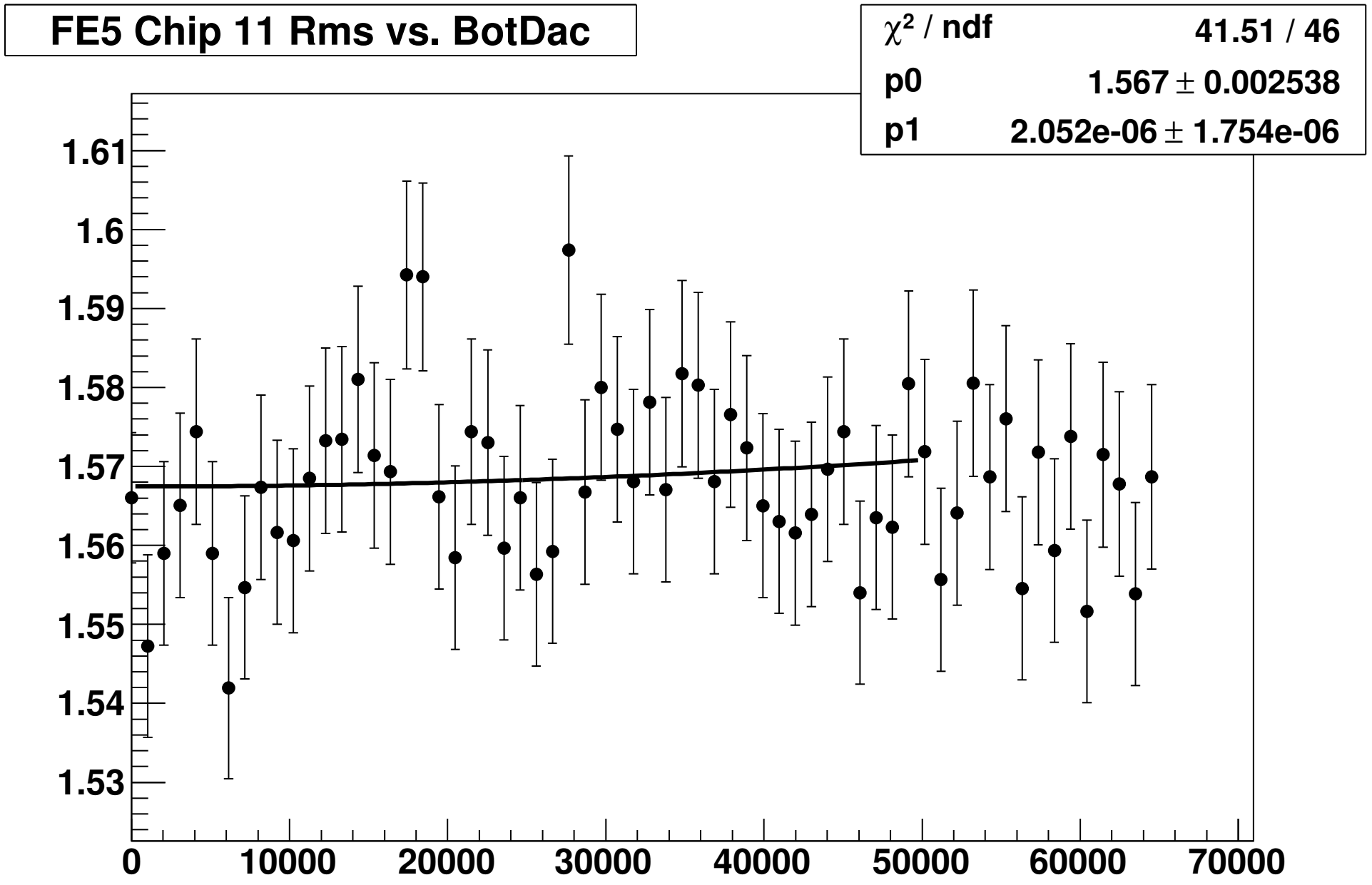
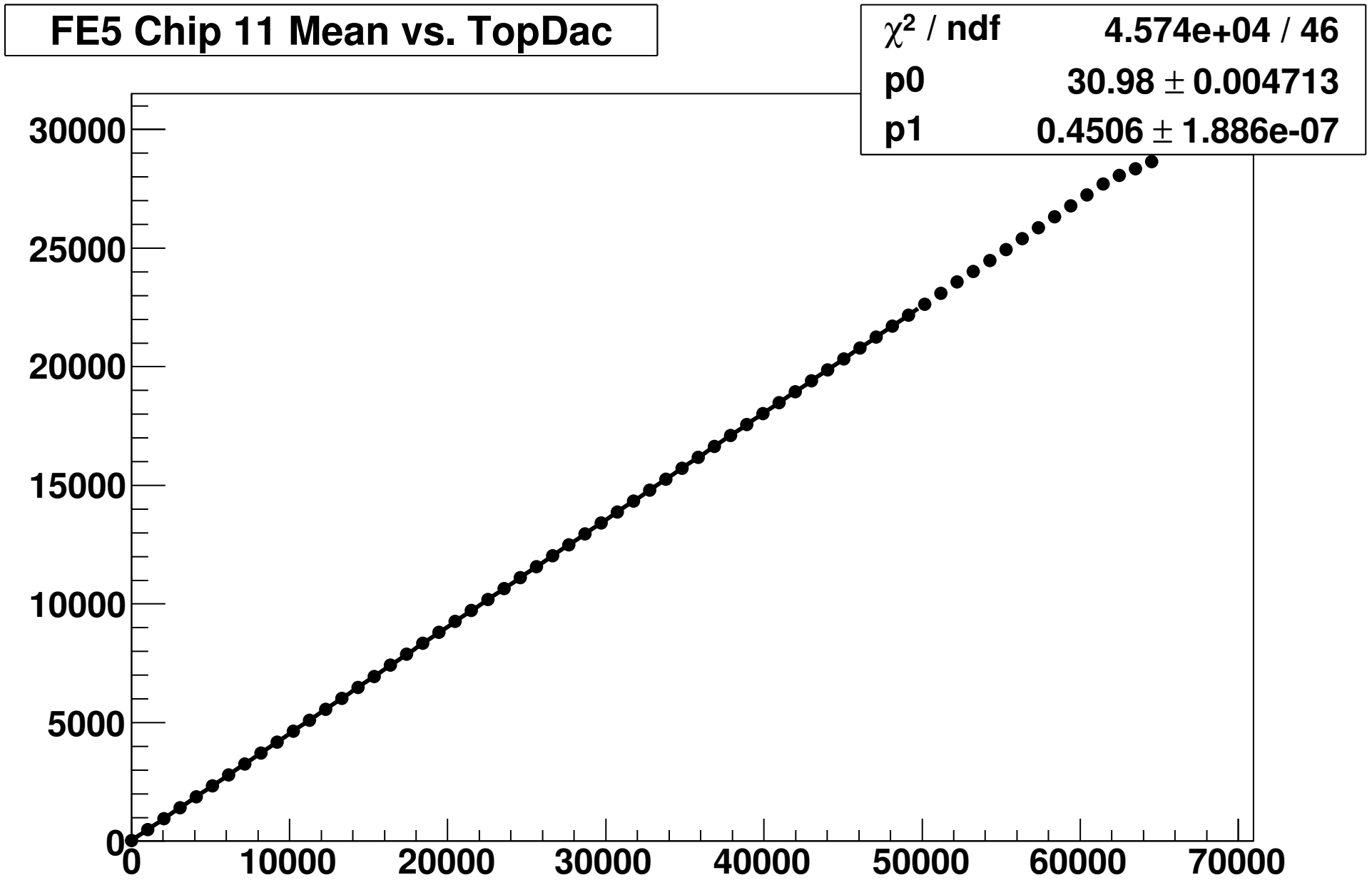
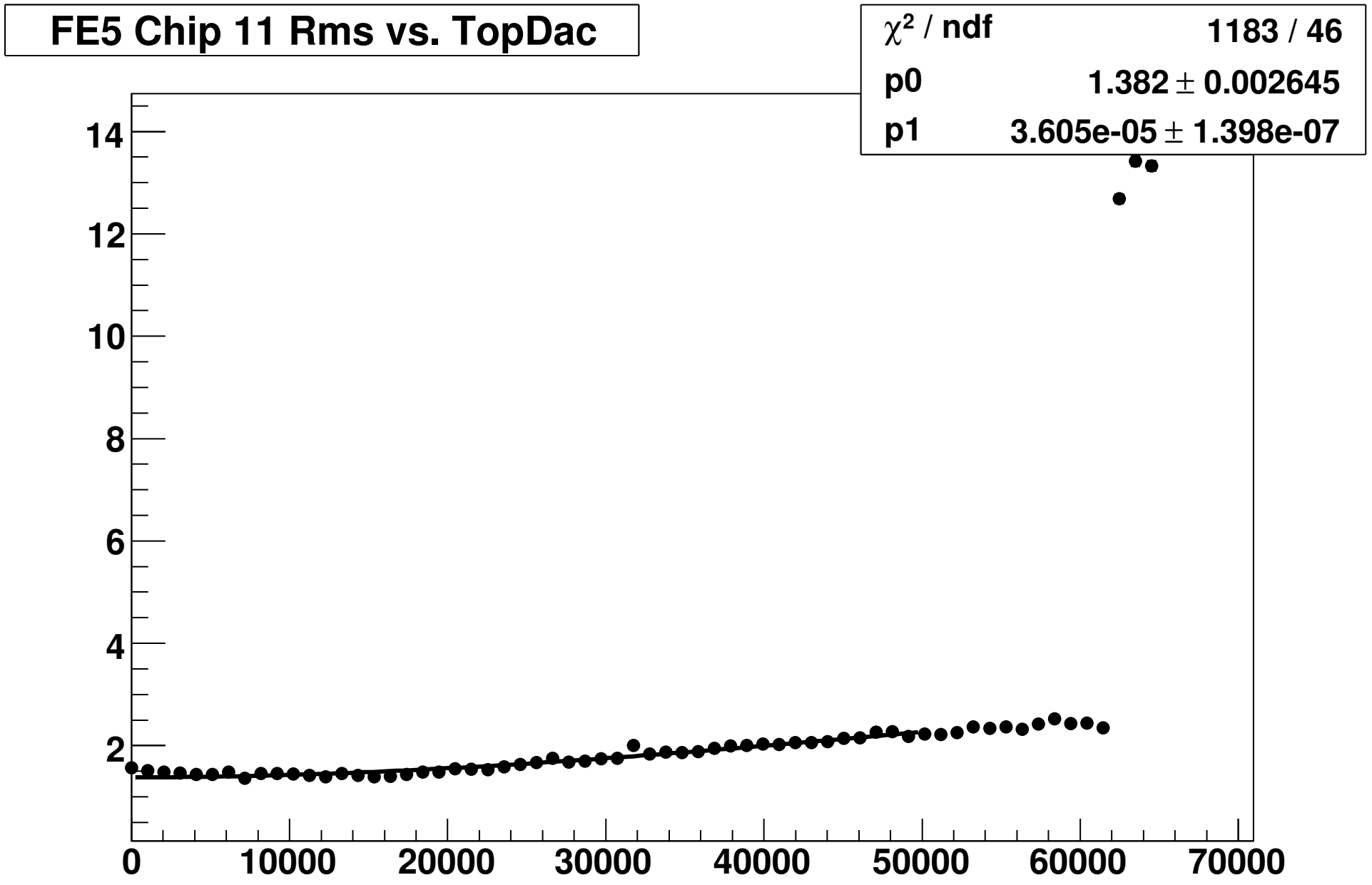
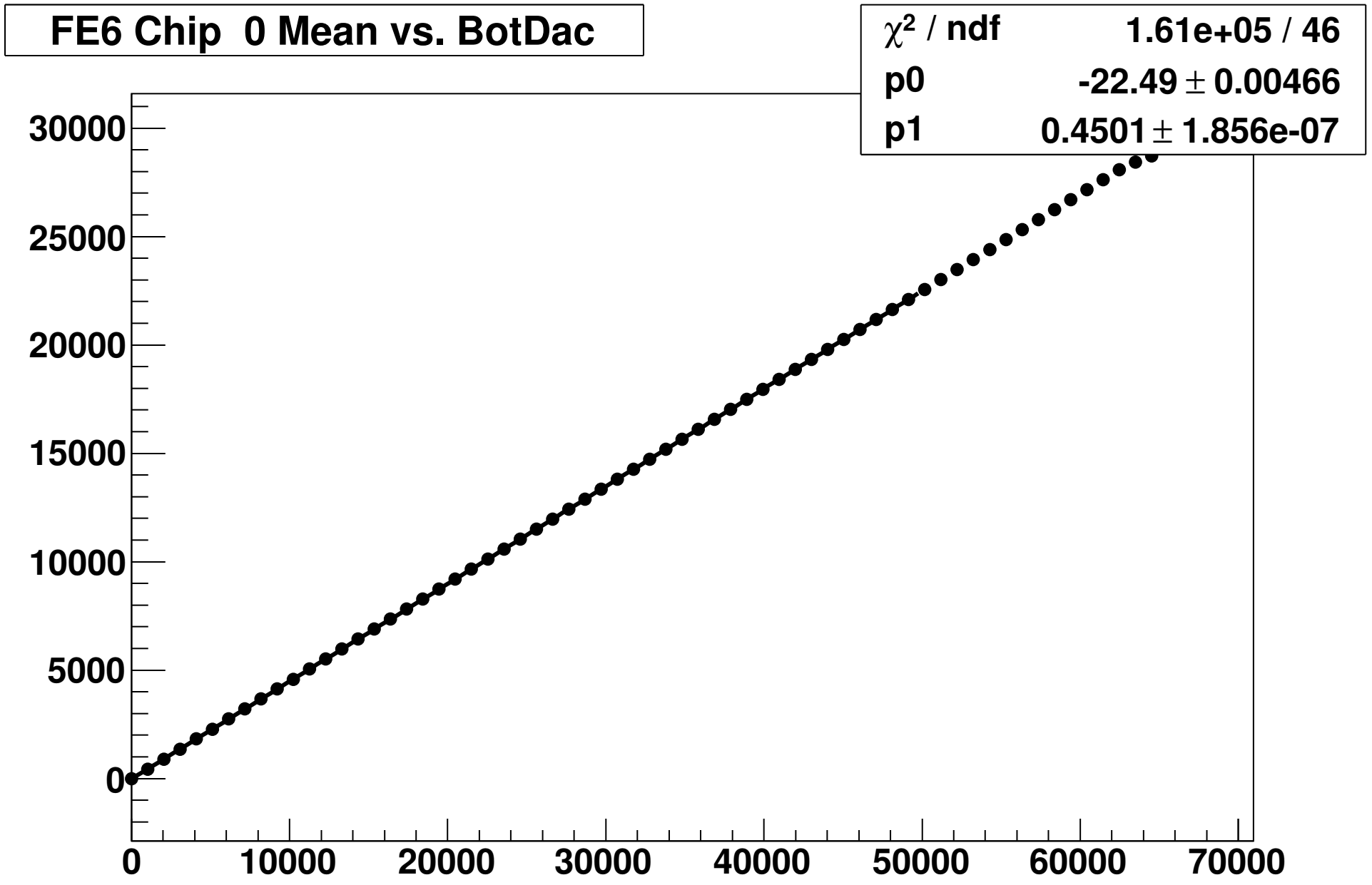
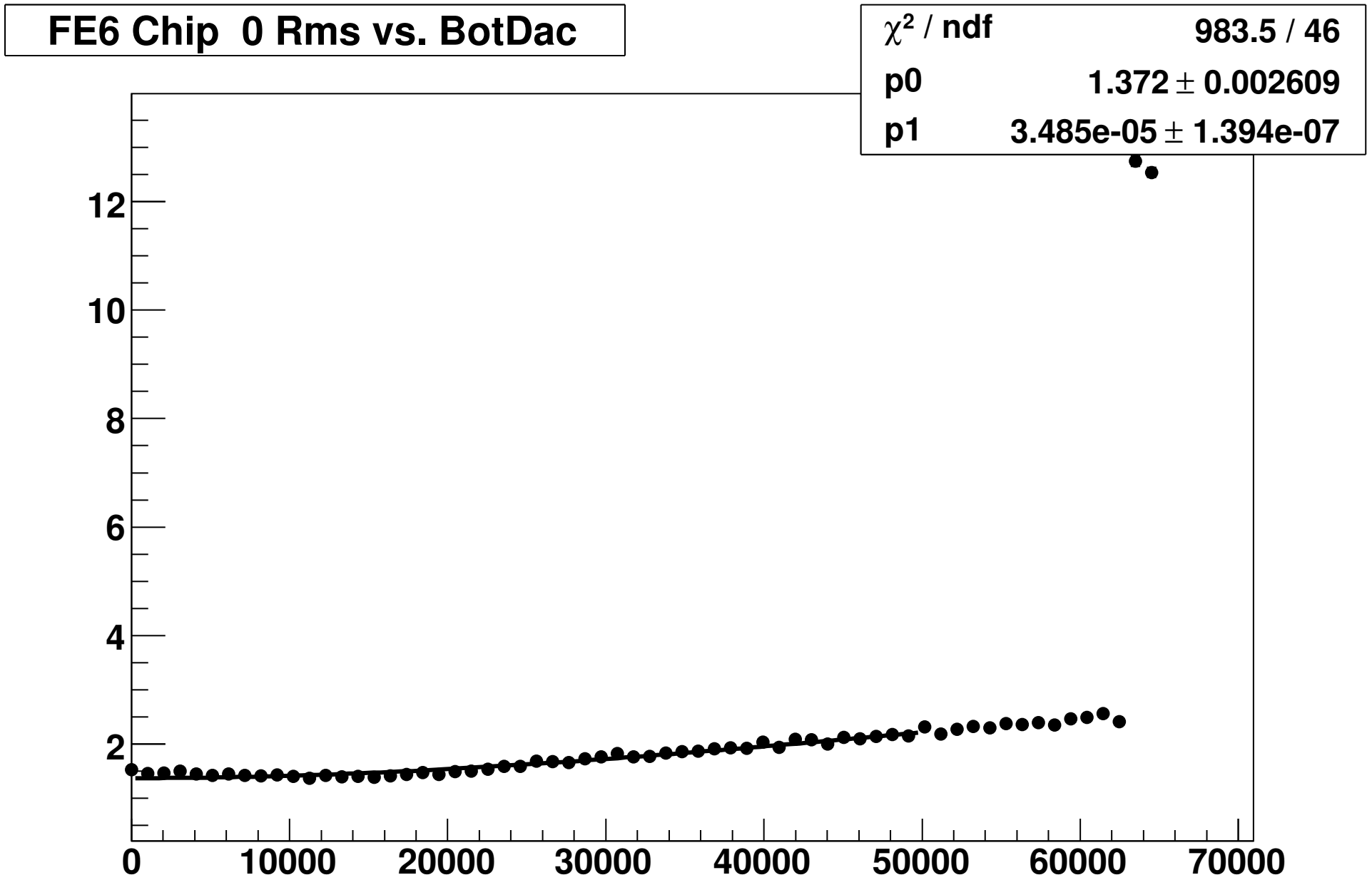

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 4084 / 46
p0 32.11 ± 0.004834
p1 4.774e-06 ± 1.678e-07
32.5
32.4
32.3
32.2
32.1
32
31.9
31.8
31.7
31.6
0
10000
20000
30000
40000
50000
60000
70000

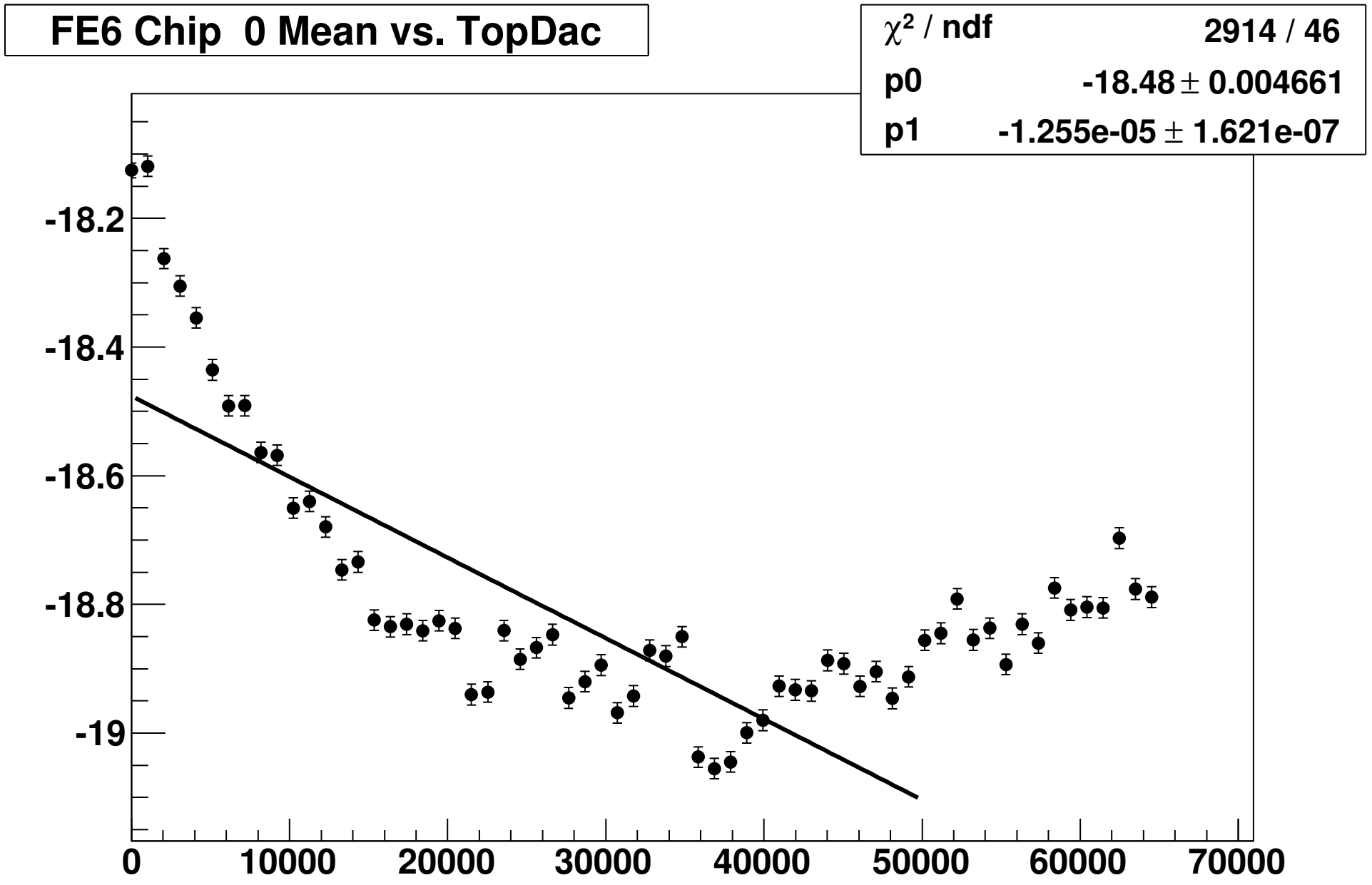

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 41.51 / 46
p0 1.567 ± 0.002538
p1 2.052e-06 ± 1.754e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000

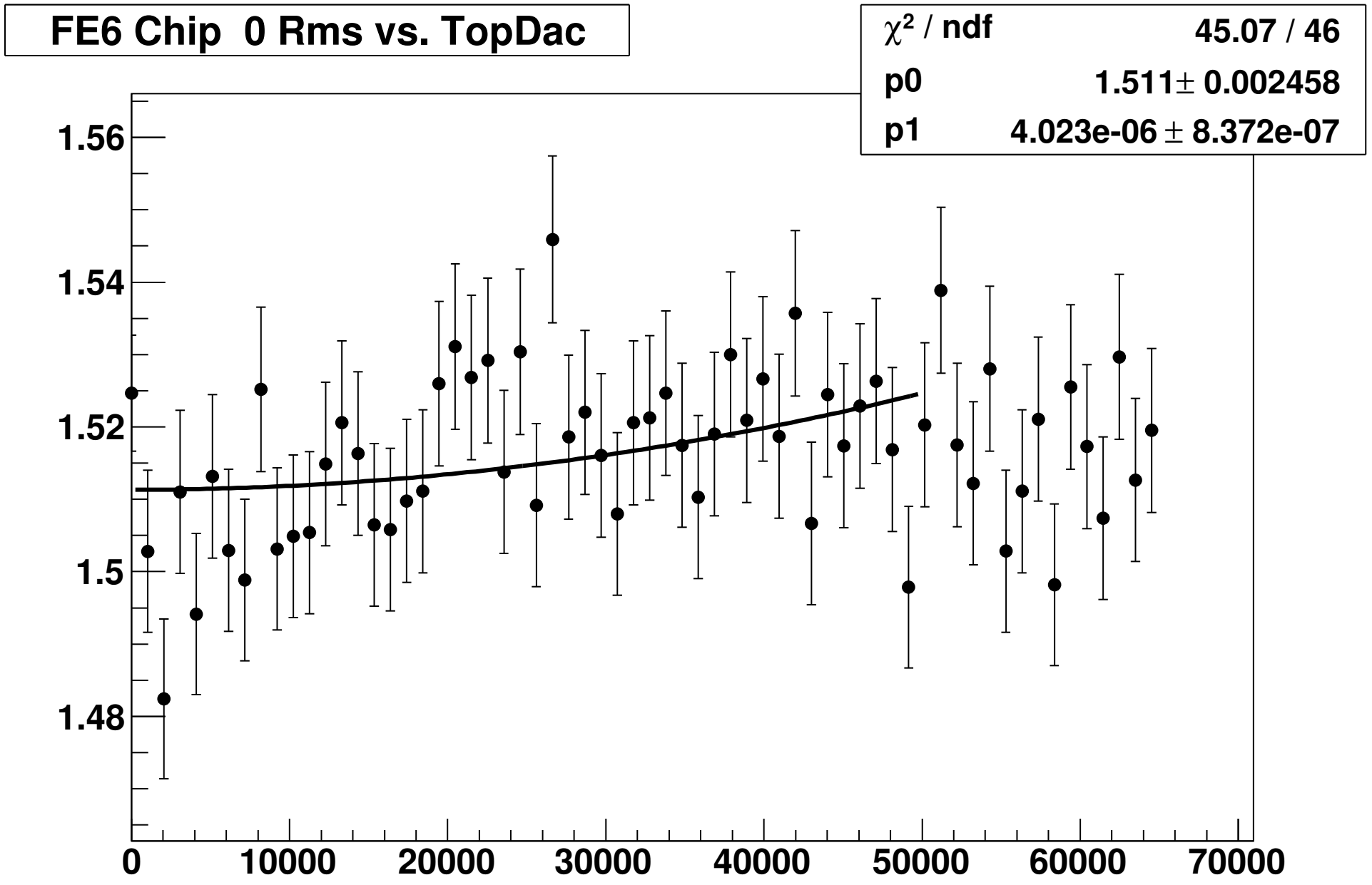

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 4.574e+04 / 46
p0 30.98 ± 0.004713
p1 0.4506 ± 1.886e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

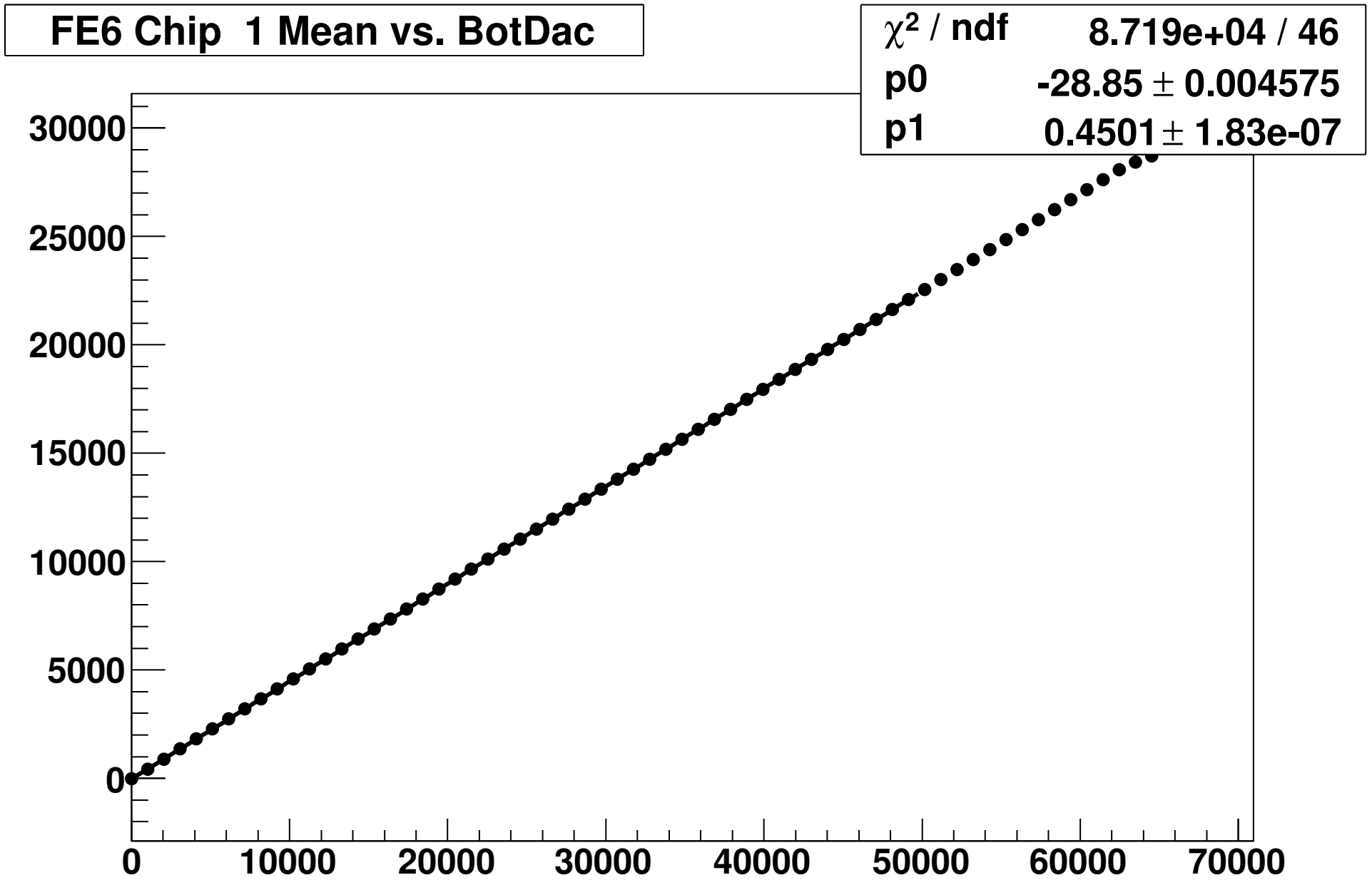

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1183 / 46
p0 1.382 ± 0.002645
p1 3.605e-05 ± 1.398e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

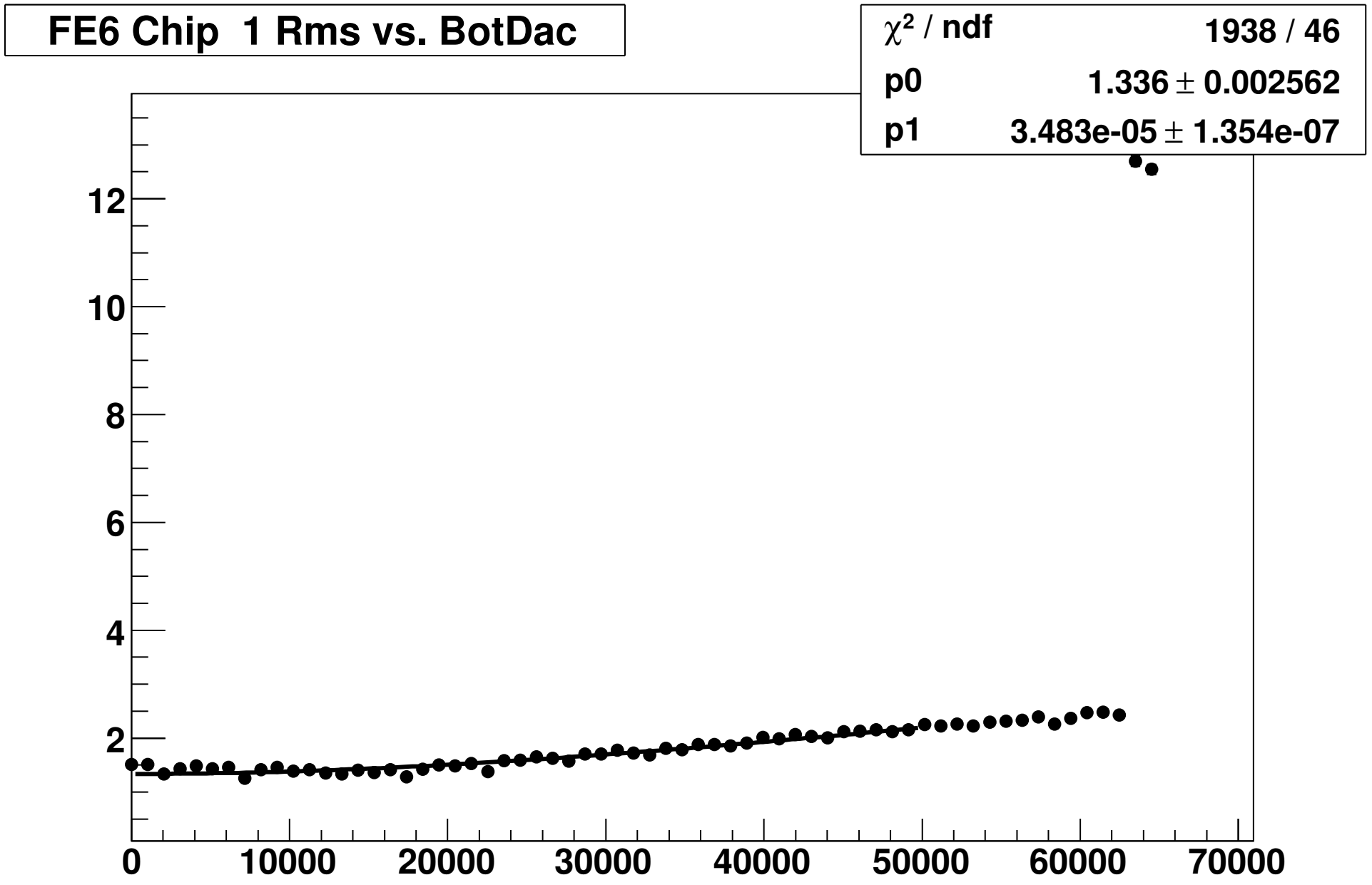

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.61e+05 / 46
p0 -22.49 ± 0.00466
p1 0.4501 ± 1.856e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

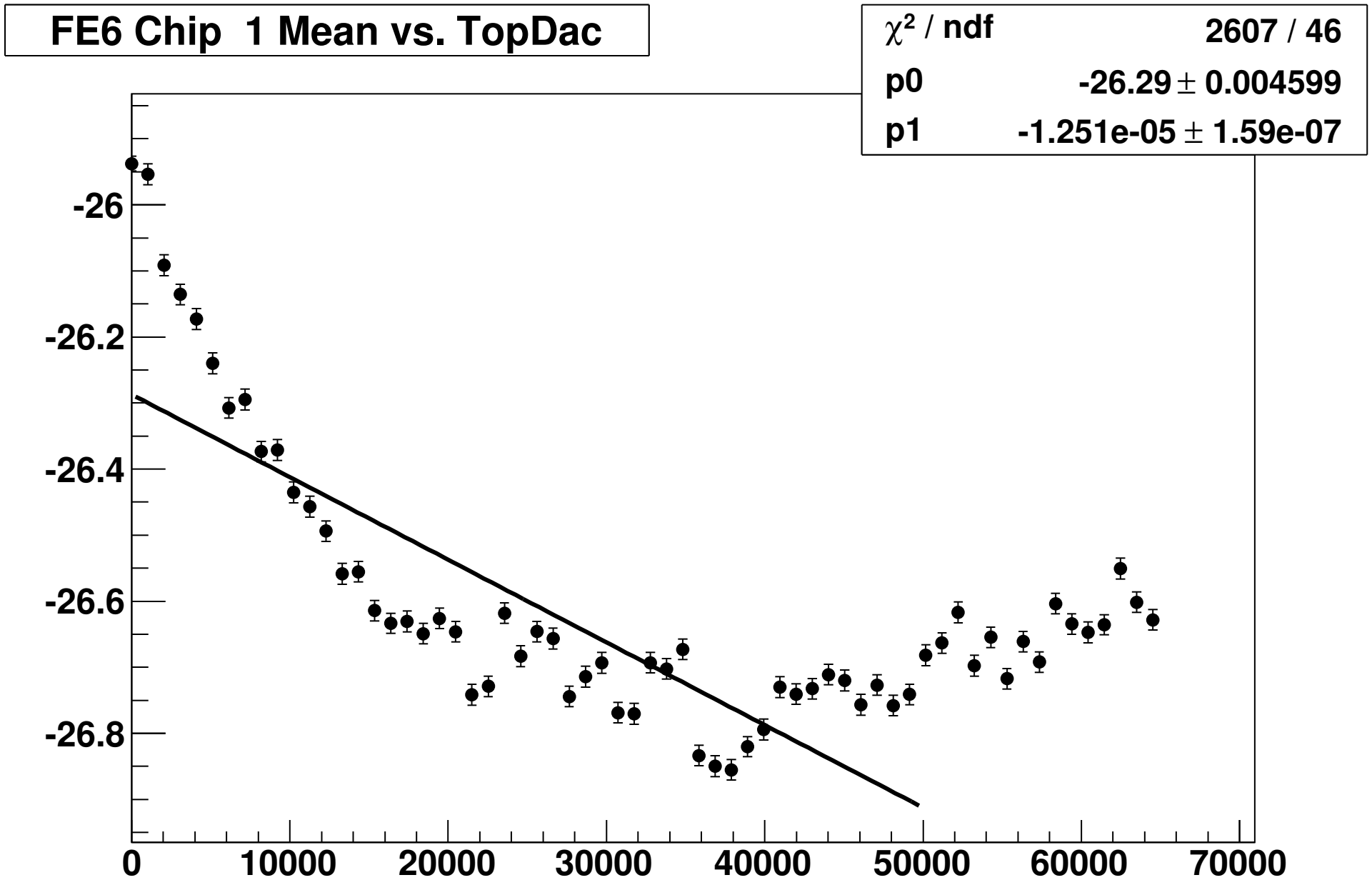

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 983.5 / 46
p0 1.372 ± 0.002609
p1 3.485e-05 ± 1.394e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

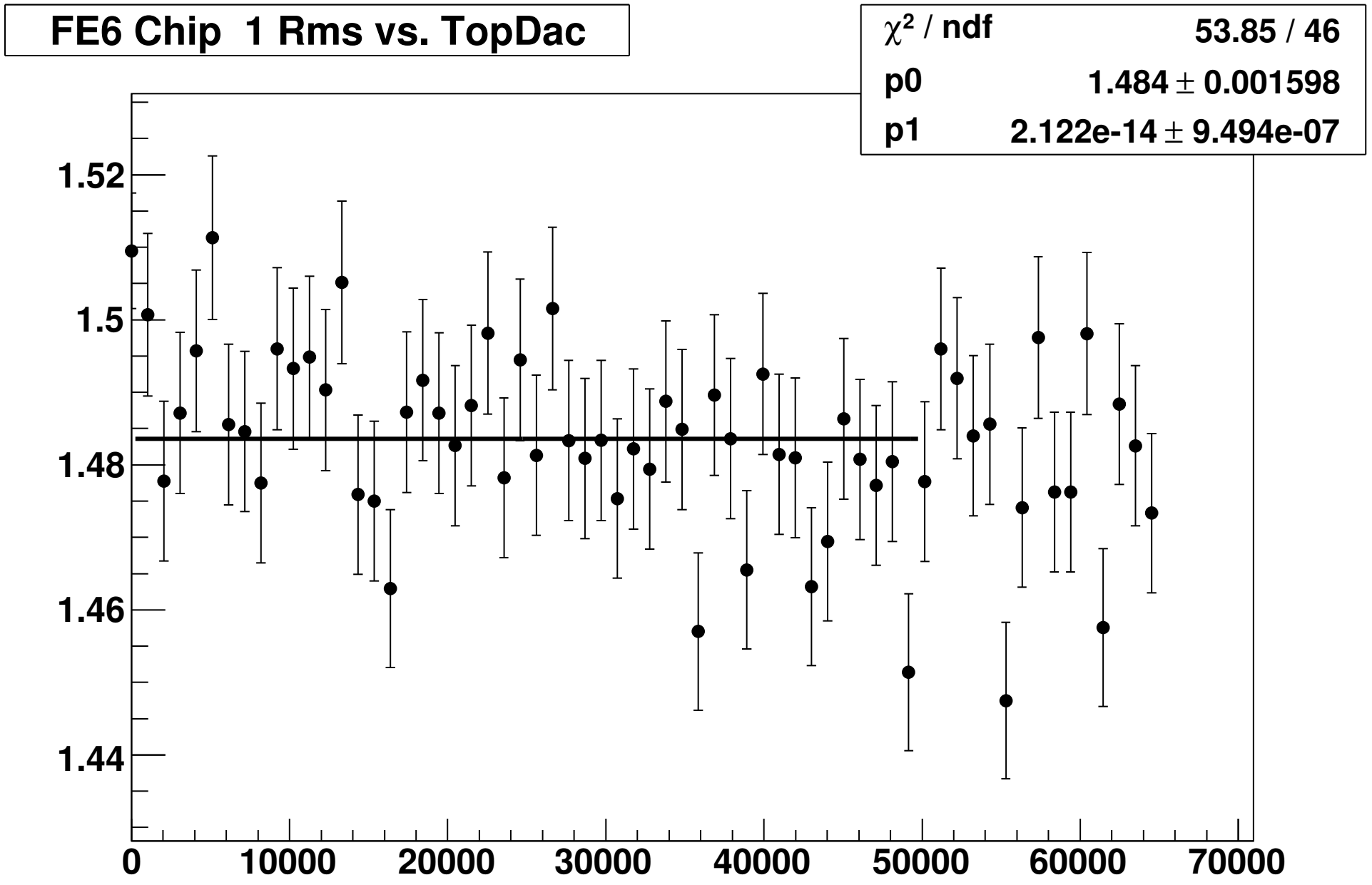

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 2914 / 46
p0 -18.48 ± 0.004661
p1 -1.255e-05 ± 1.621e-07
-18.2
-18.4
-18.6
-18.8
-19
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. TopDac
χ² / ndf 45.07 / 46
p0 1.511 ± 0.002458
p1 4.023e-06 ± 8.372e-07
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 8.719e+04 / 46
p0 -28.85 ± 0.004575
p1 0.4501 ± 1.83e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 1938 / 46
p0 1.336 ± 0.002562
p1 3.483e-05 ± 1.354e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 2607 / 46
p0 -26.29 ± 0.004599
p1 -1.251e-05 ± 1.59e-07
-26
-26.2
-26.4
-26.6
-26.8
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 53.85 / 46
p0 1.484 ± 0.001598
p1 2.122e-14 ± 9.494e-07
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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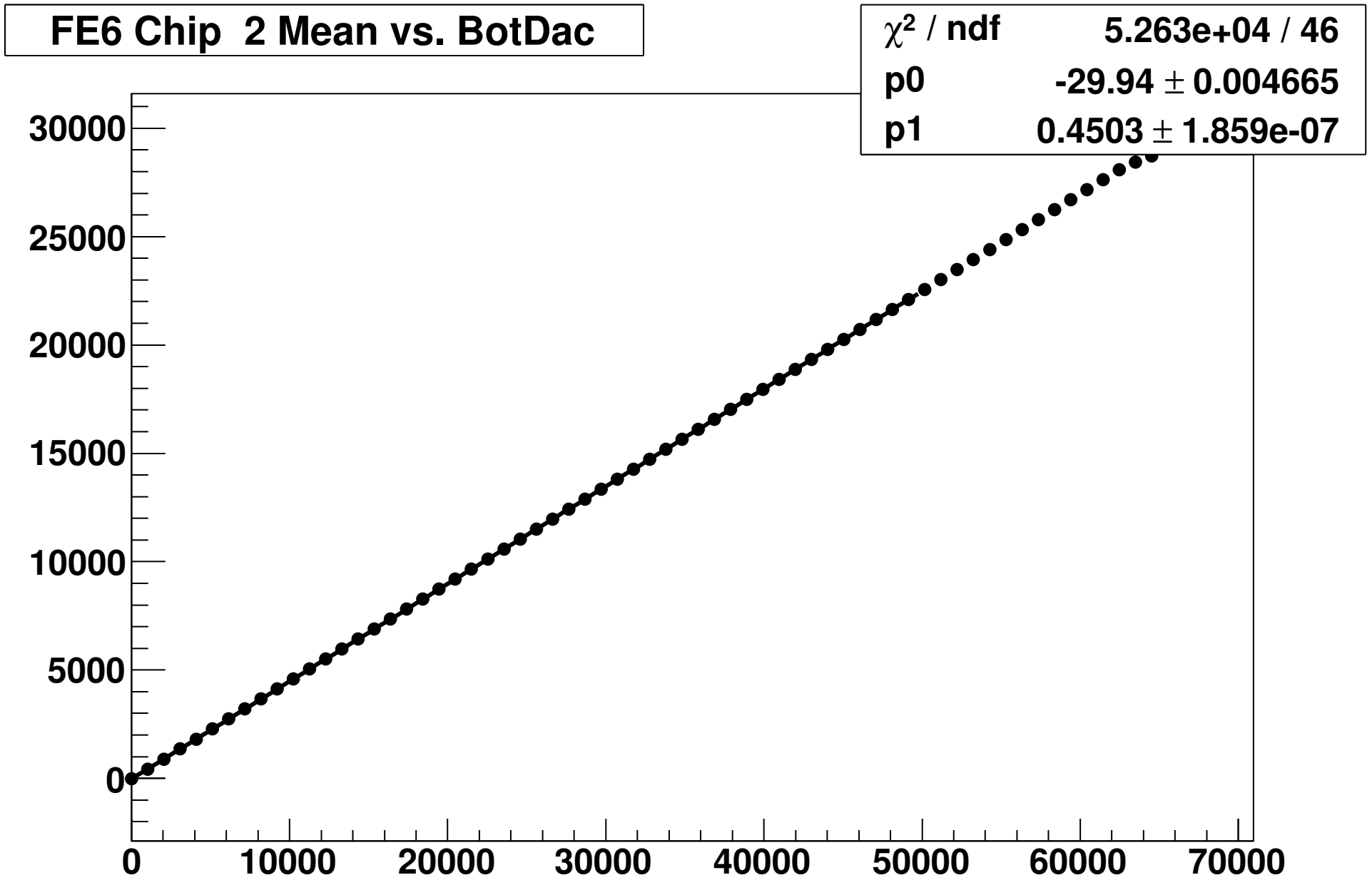
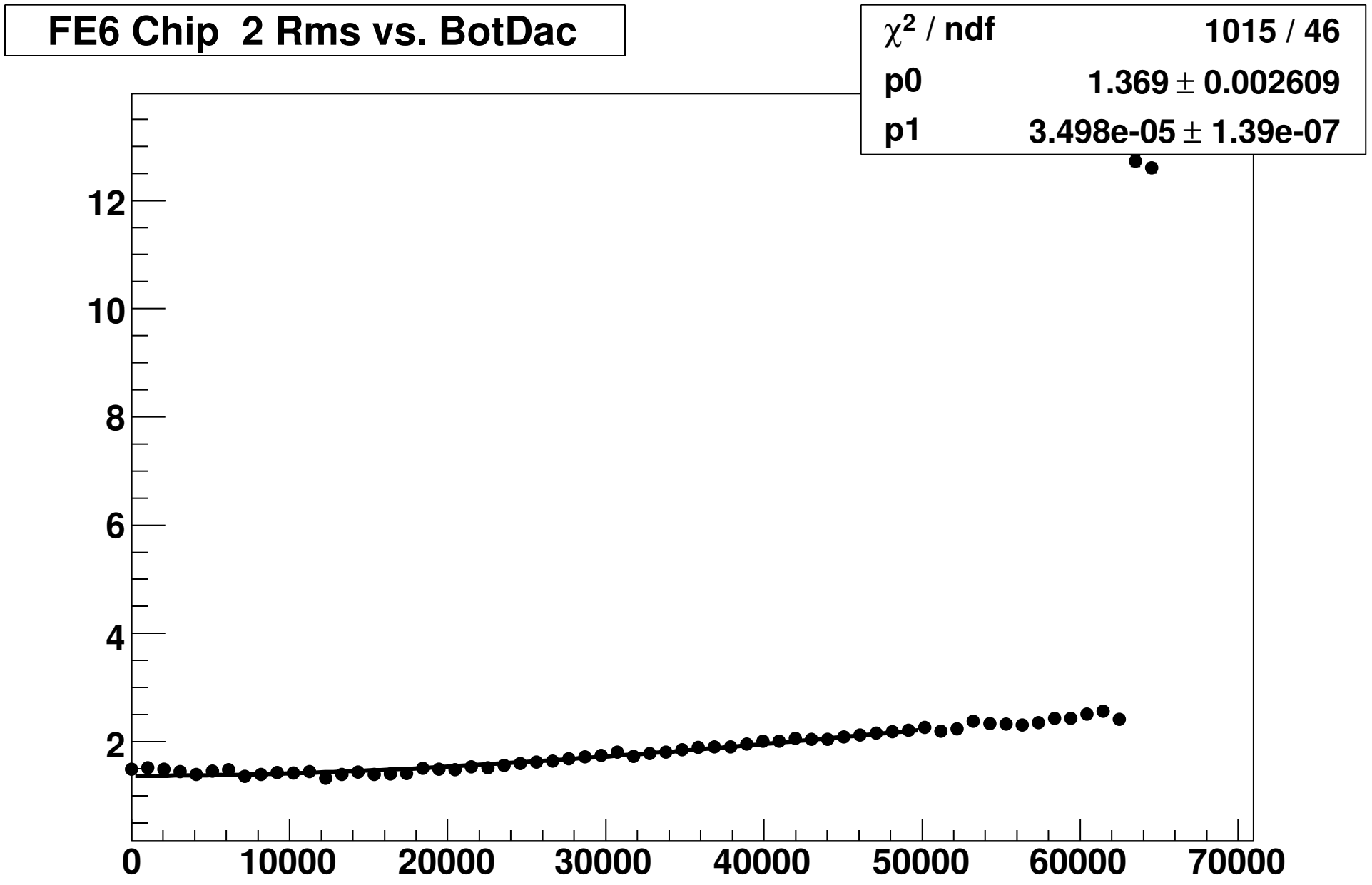
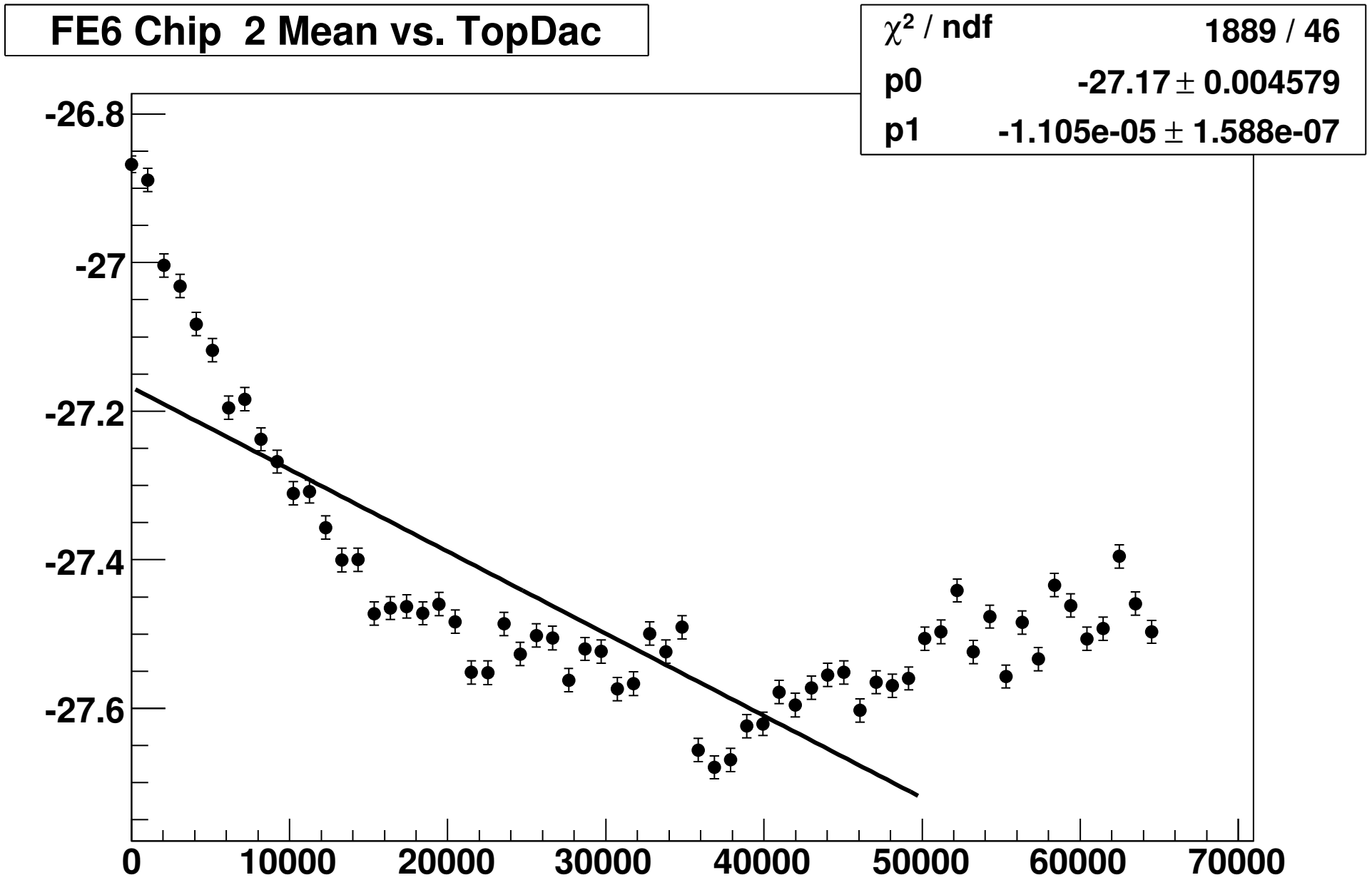
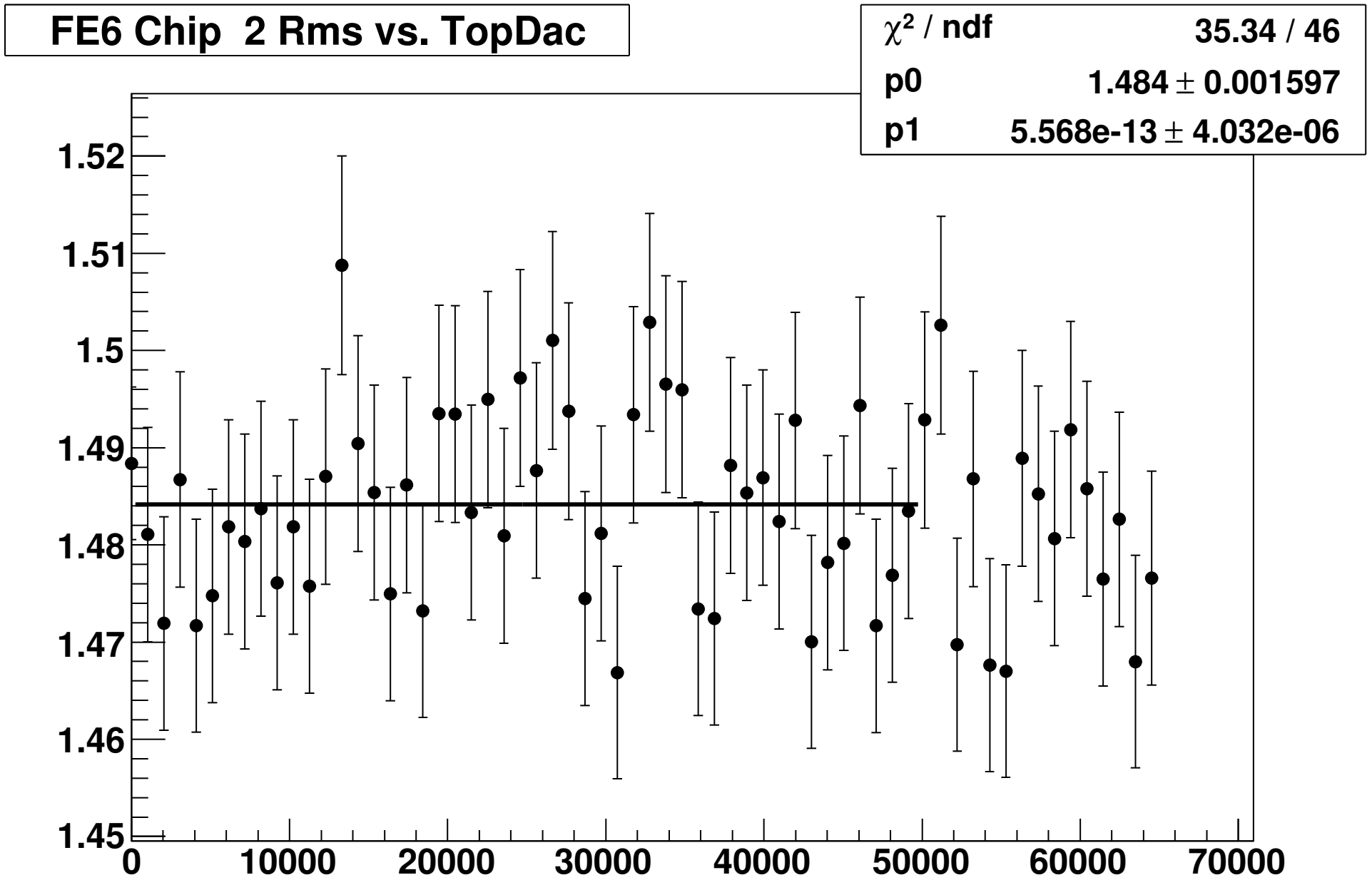
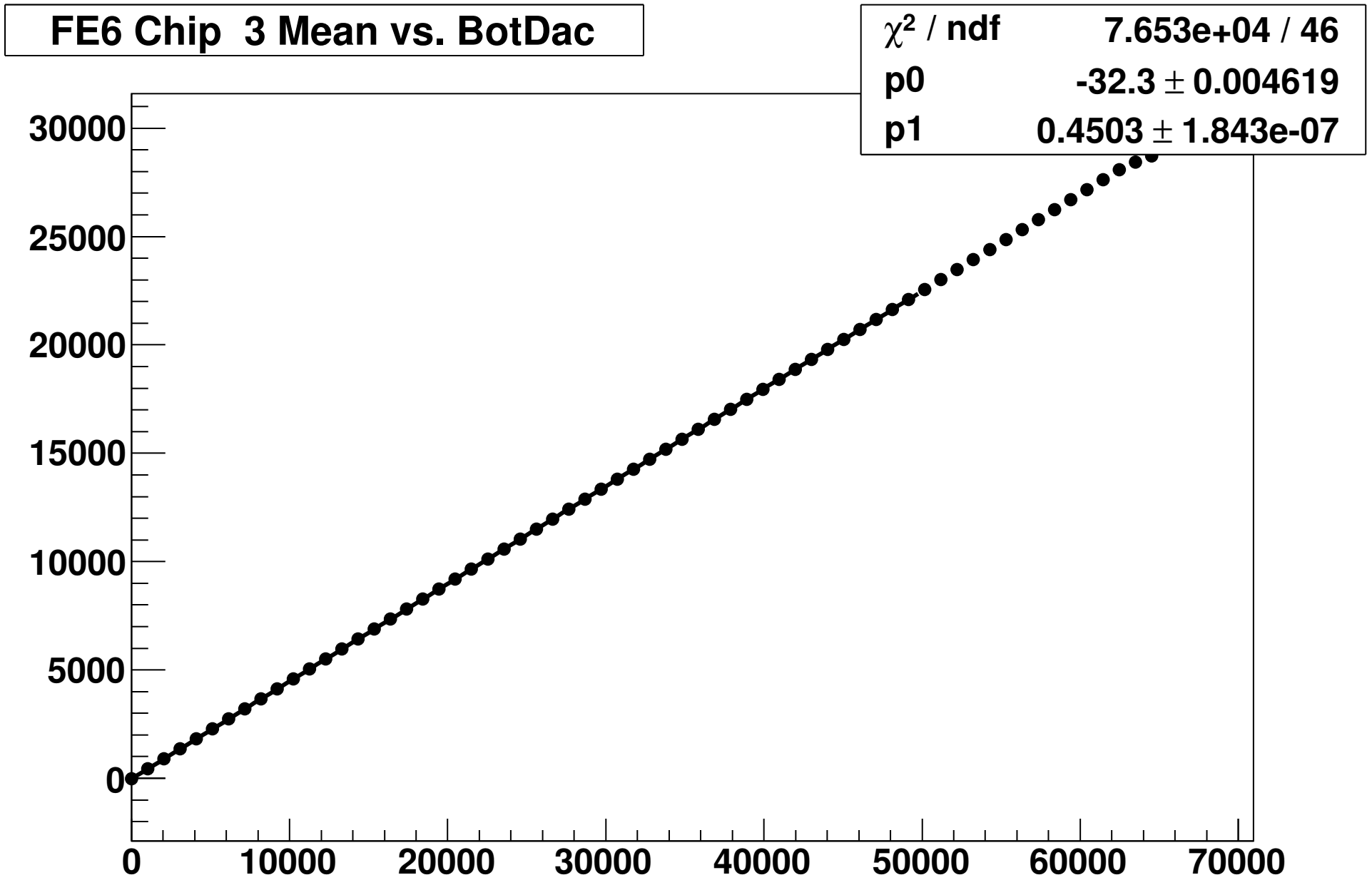
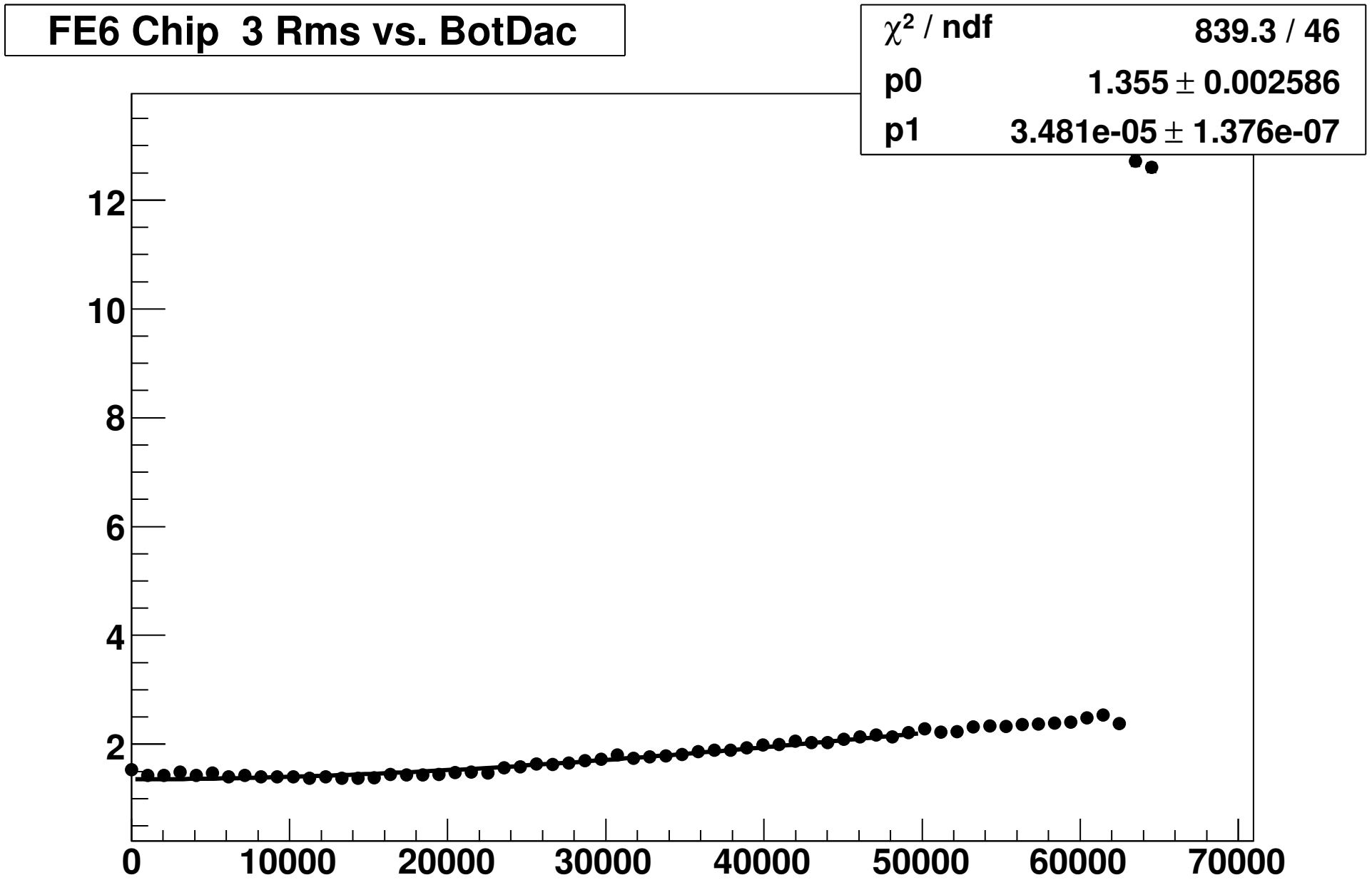

FE6 Chip 2 Mean vs. BotDac
χ² / ndf 5.263e+04 / 46
p0 -29.94 ± 0.004665
p1 0.4503 ± 1.859e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

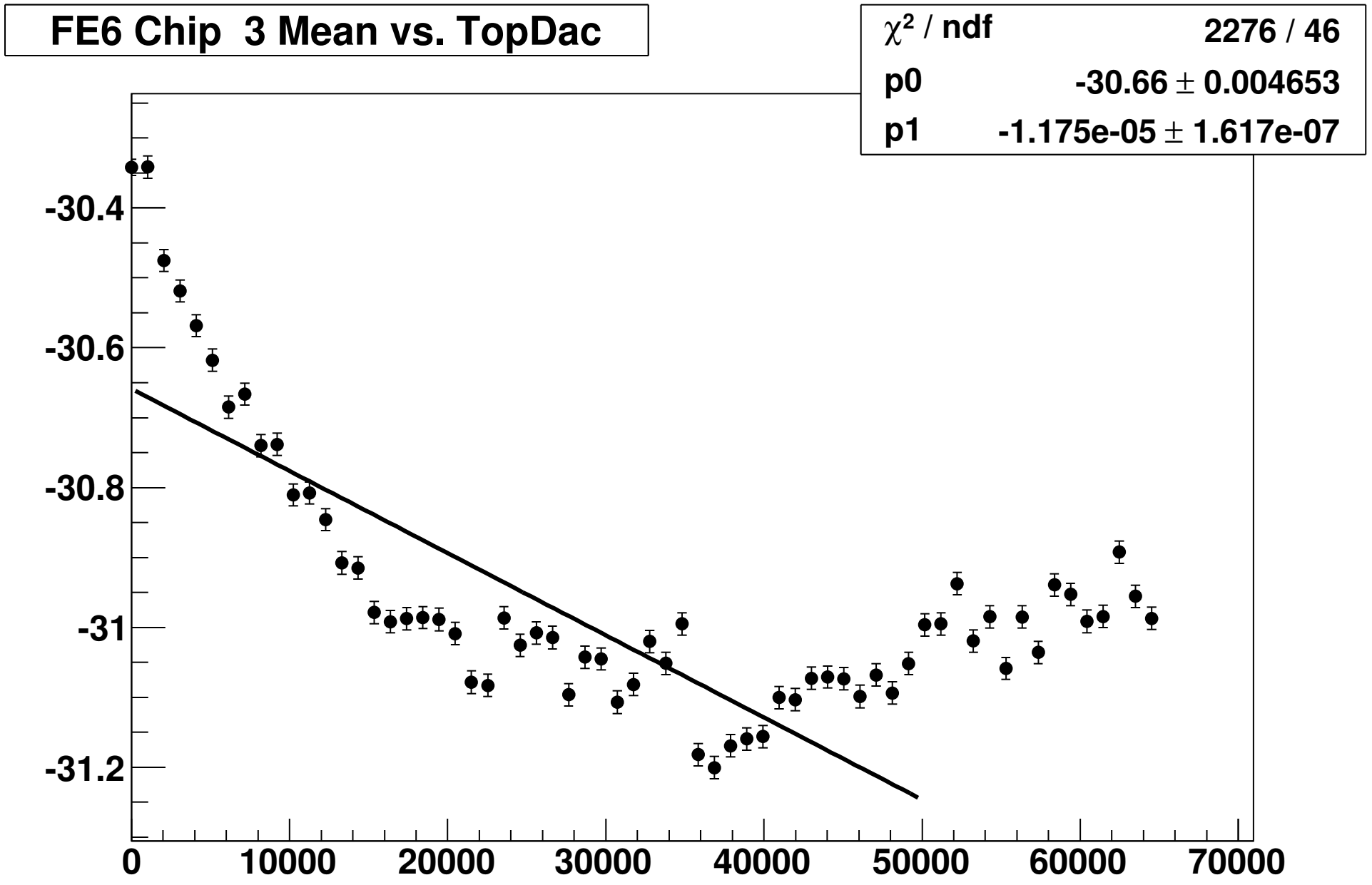

FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1015 / 46
p0 1.369 ± 0.002609
p1 3.498e-05 ± 1.39e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

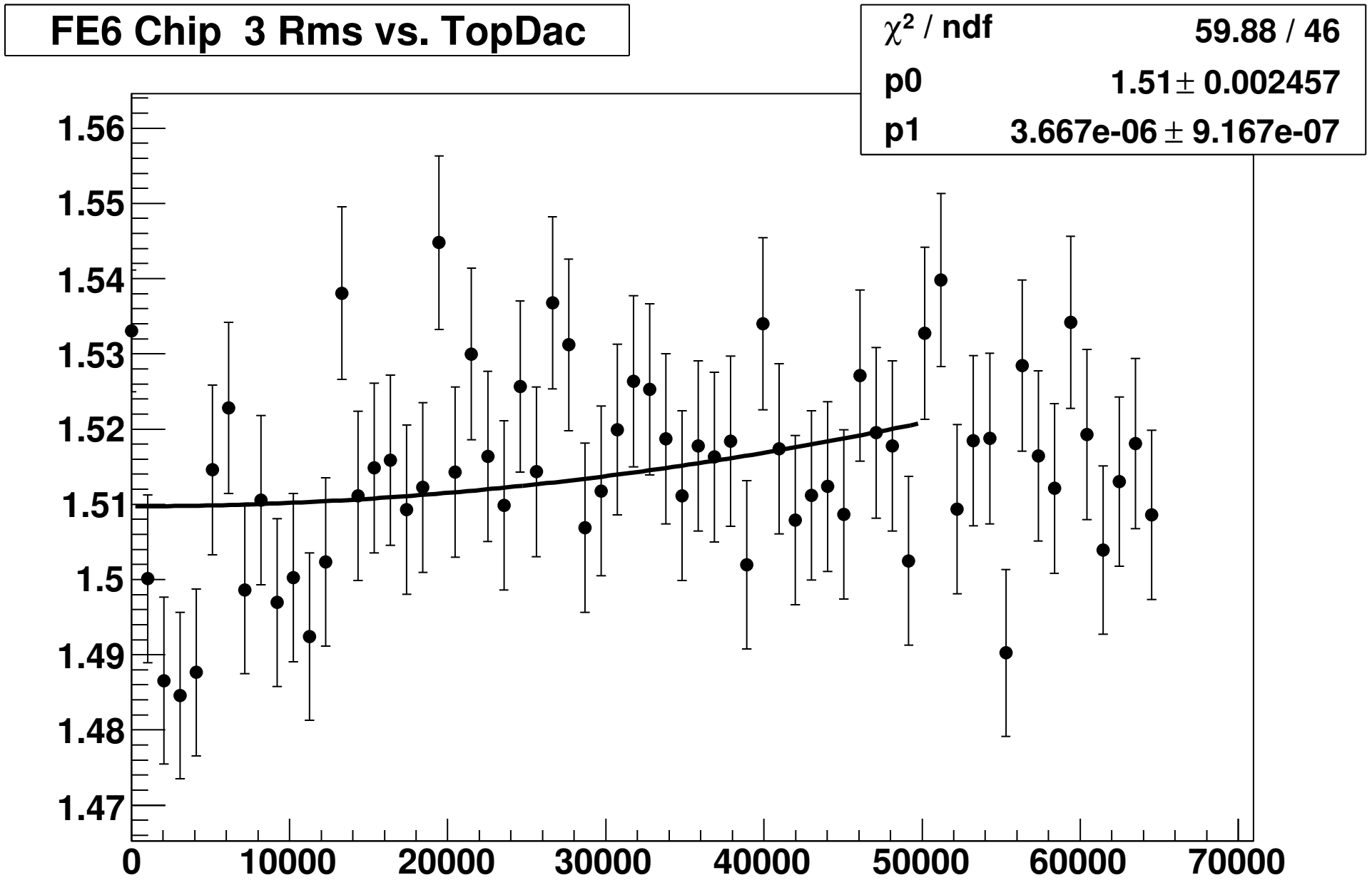

FE6 Chip 2 Mean vs. TopDac
χ² / ndf 1889 / 46
p0 -27.17 ± 0.004579
p1 -1.105e-05 ± 1.588e-07
-26.8
-27
-27.2
-27.4
-27.6
0
10000
20000
30000
40000
50000
60000
70000

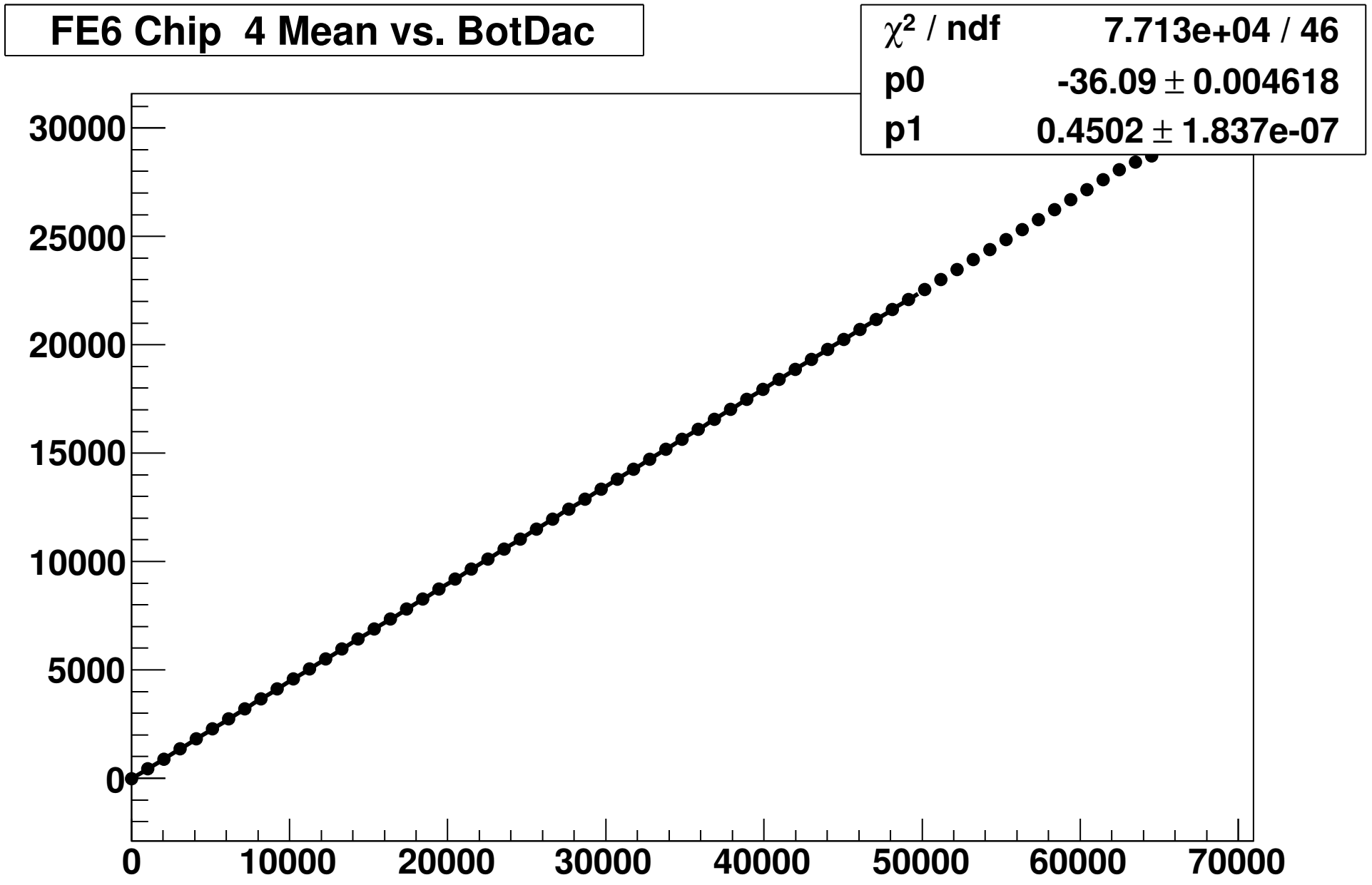

FE6 Chip 2 Rms vs. TopDac
χ² / ndf 35.34 / 46
p0 1.484 ± 0.001597
p1 5.568e-13 ± 4.032e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

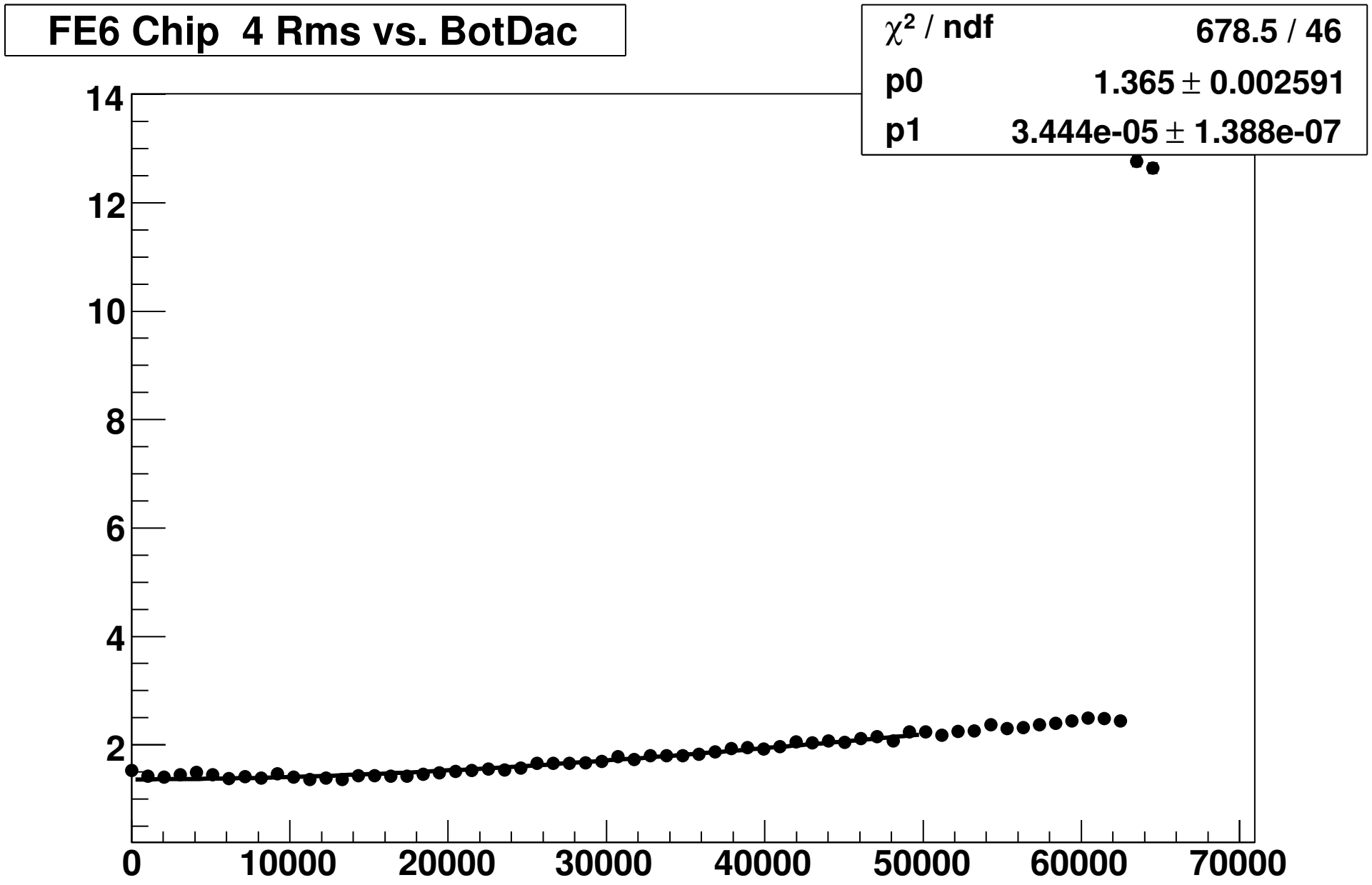

FE6 Chip 3 Mean vs. BotDac
χ² / ndf 7.653e+04 / 46
p0 -32.3 ± 0.004619
p1 0.4503 ± 1.843e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

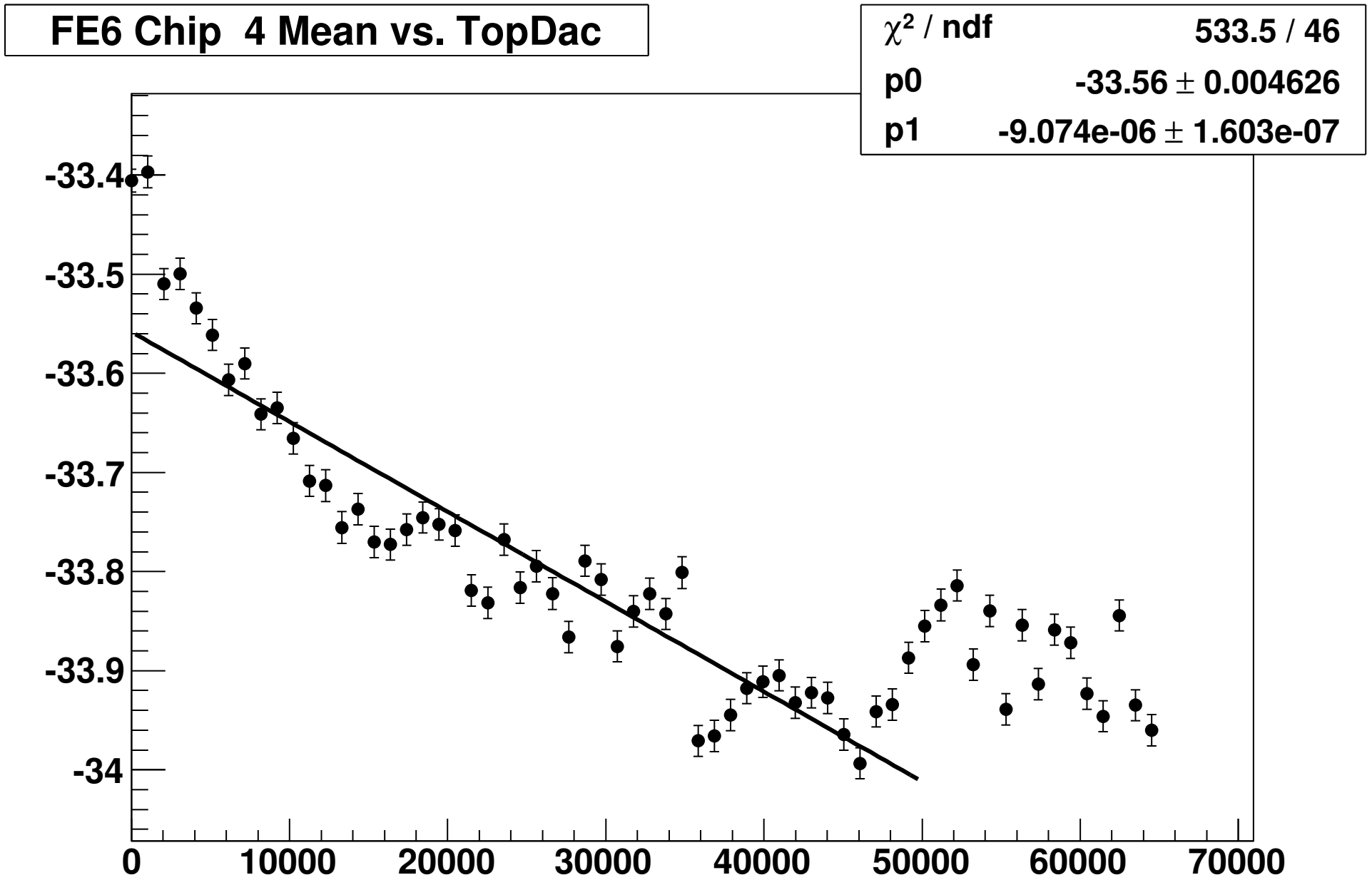

FE6 Chip 3 Rms vs. BotDac
χ² / ndf 839.3 / 46
p0 1.355 ± 0.002586
p1 3.481e-05 ± 1.376e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

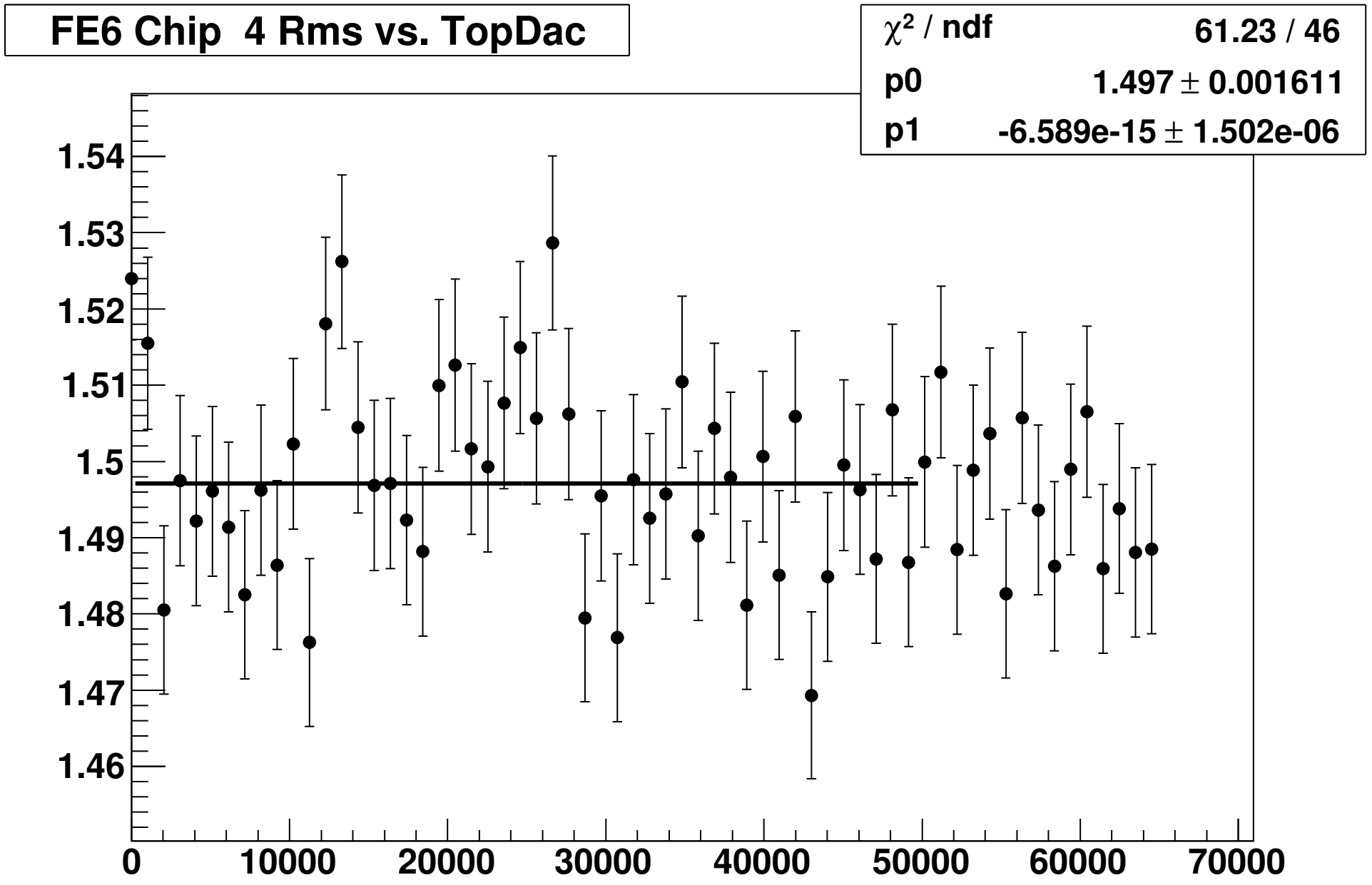

FE6 Chip 3 Mean vs. TopDac
χ² / ndf 2276 / 46
p0 -30.66 ± 0.004653
p1 -1.175e-05 ± 1.617e-07
-30.4
-30.6
-30.8
-31
-31.2
0
10000
20000
30000
40000
50000
60000
70000

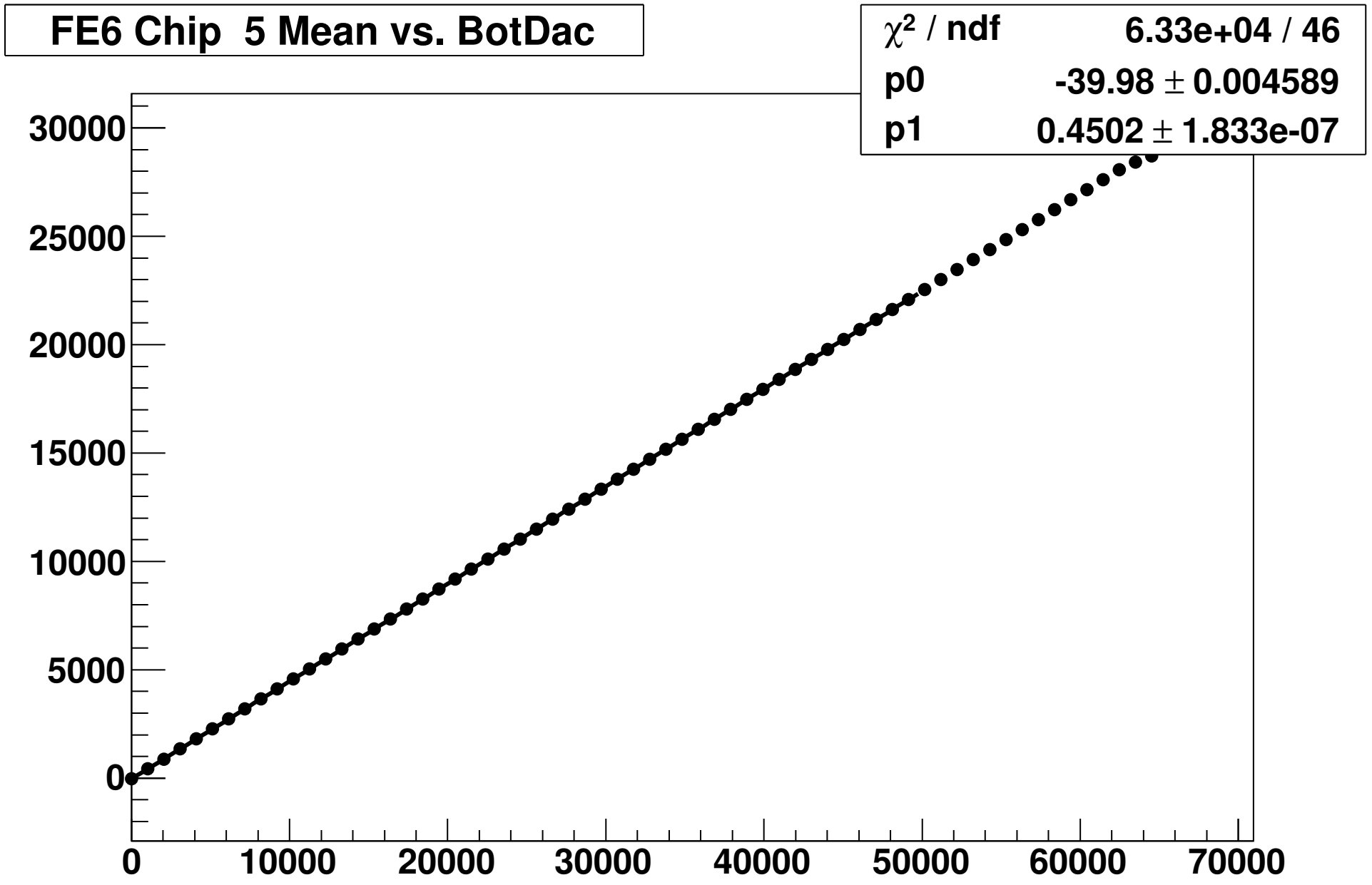

FE6 Chip 3 Rms vs. TopDac
χ² / ndf 59.88 / 46
p0 1.51 ± 0.002457
p1 3.667e-06 ± 9.167e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

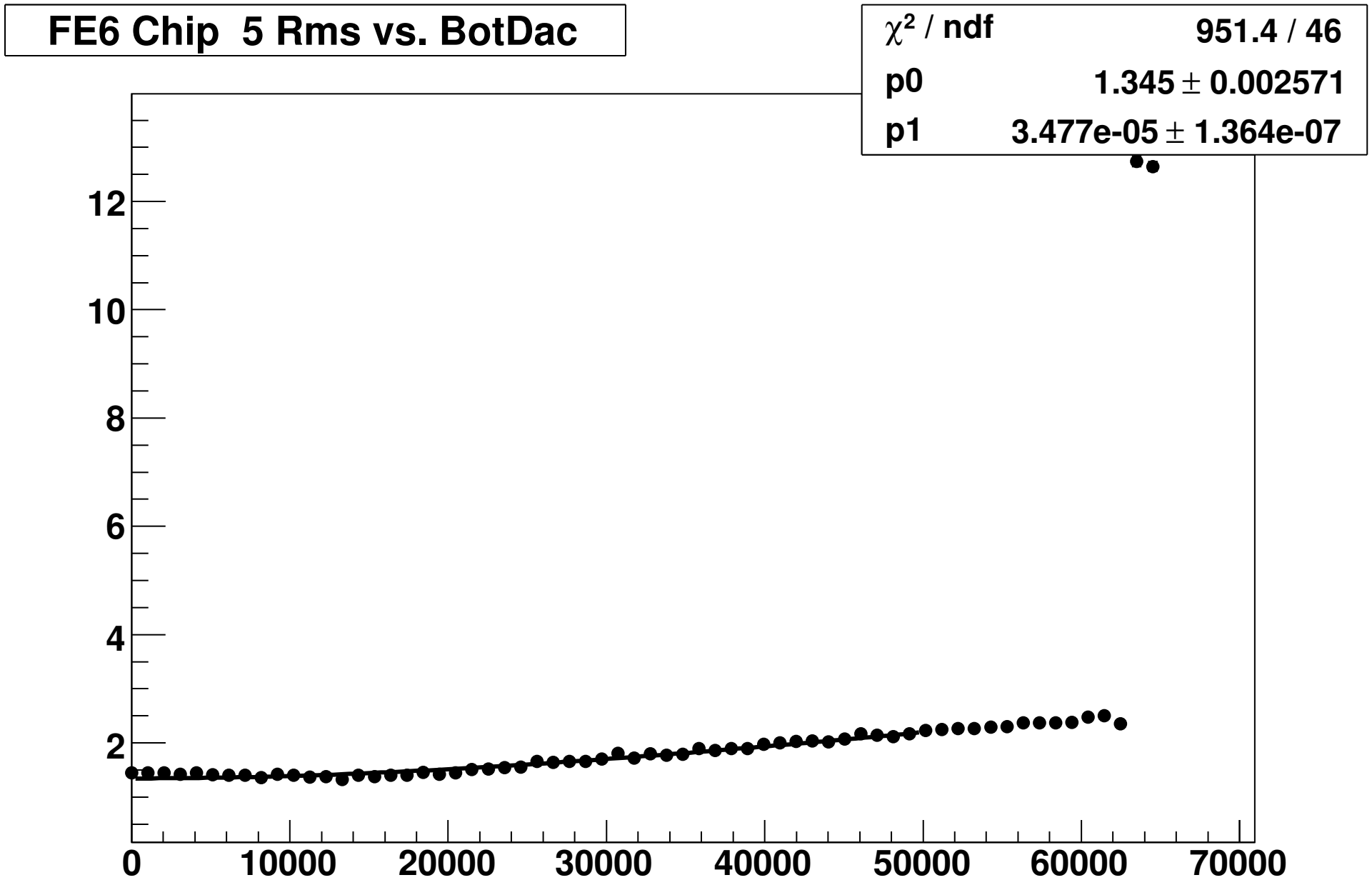

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 7.713e+04 / 46
p0 -36.09 ± 0.004618
p1 0.4502 ± 1.837e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

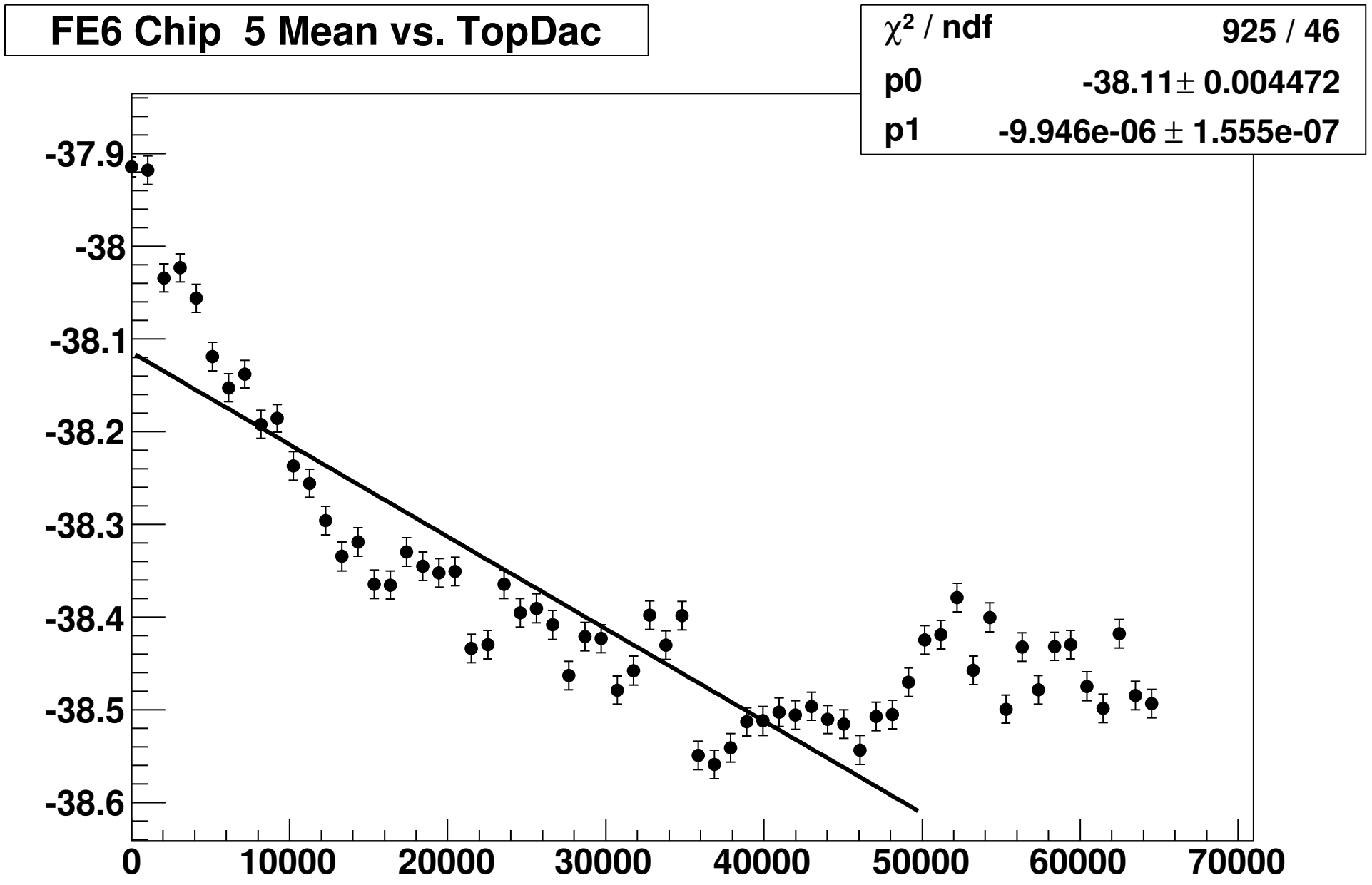

FE6 Chip 4 Rms vs. BotDac
χ² / ndf 678.5 / 46
p0 1.365 ± 0.002591
p1 3.444e-05 ± 1.388e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

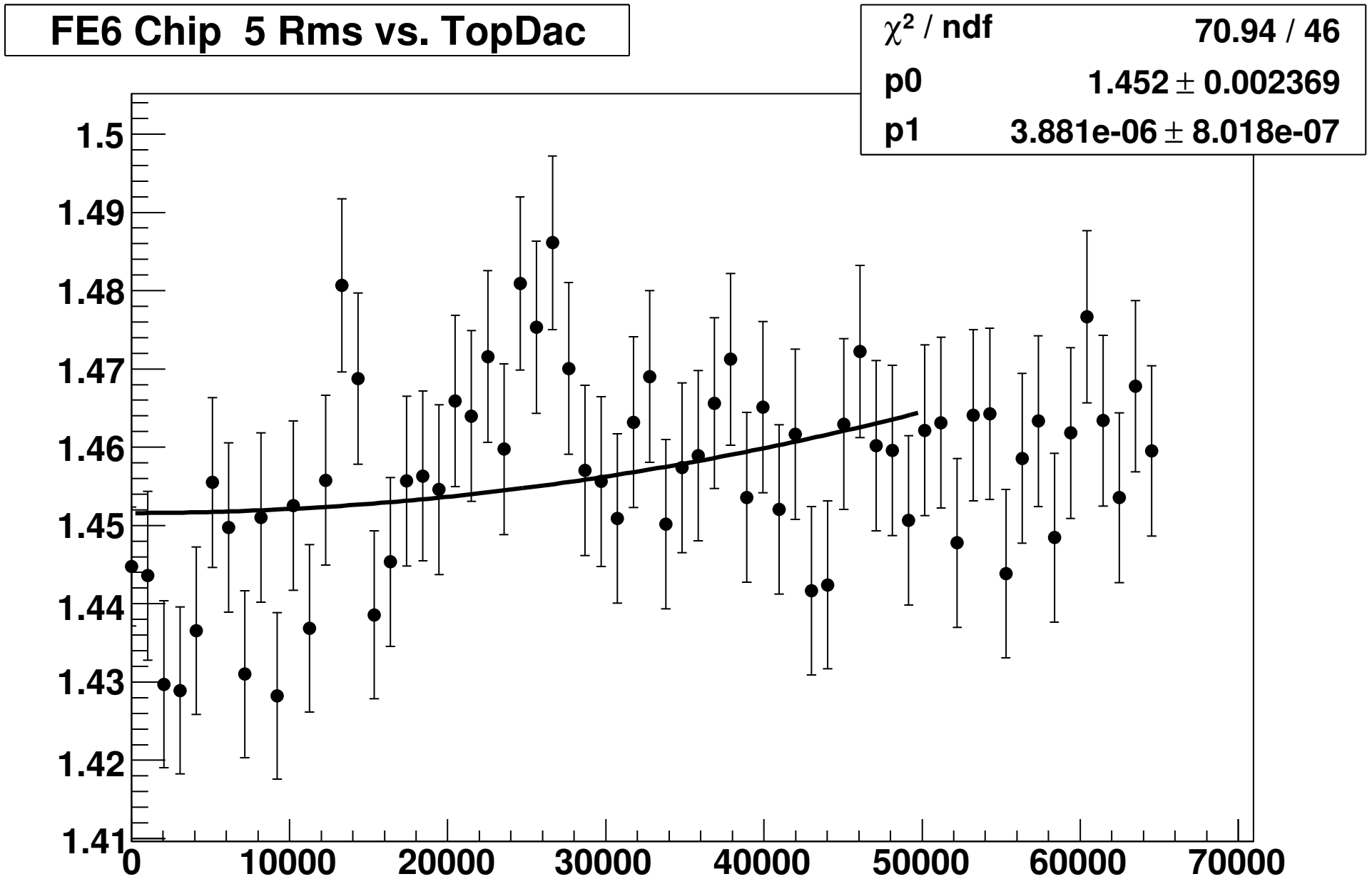

FE6 Chip 4 Mean vs. TopDac
χ² / ndf 533.5 / 46
p0 -33.56 ± 0.004626
p1 -9.074e-06 ± 1.603e-07
-33.4
-33.5
-33.6
-33.7
-33.8
-33.9
-34
0
10000
20000
30000
40000
50000
60000
70000

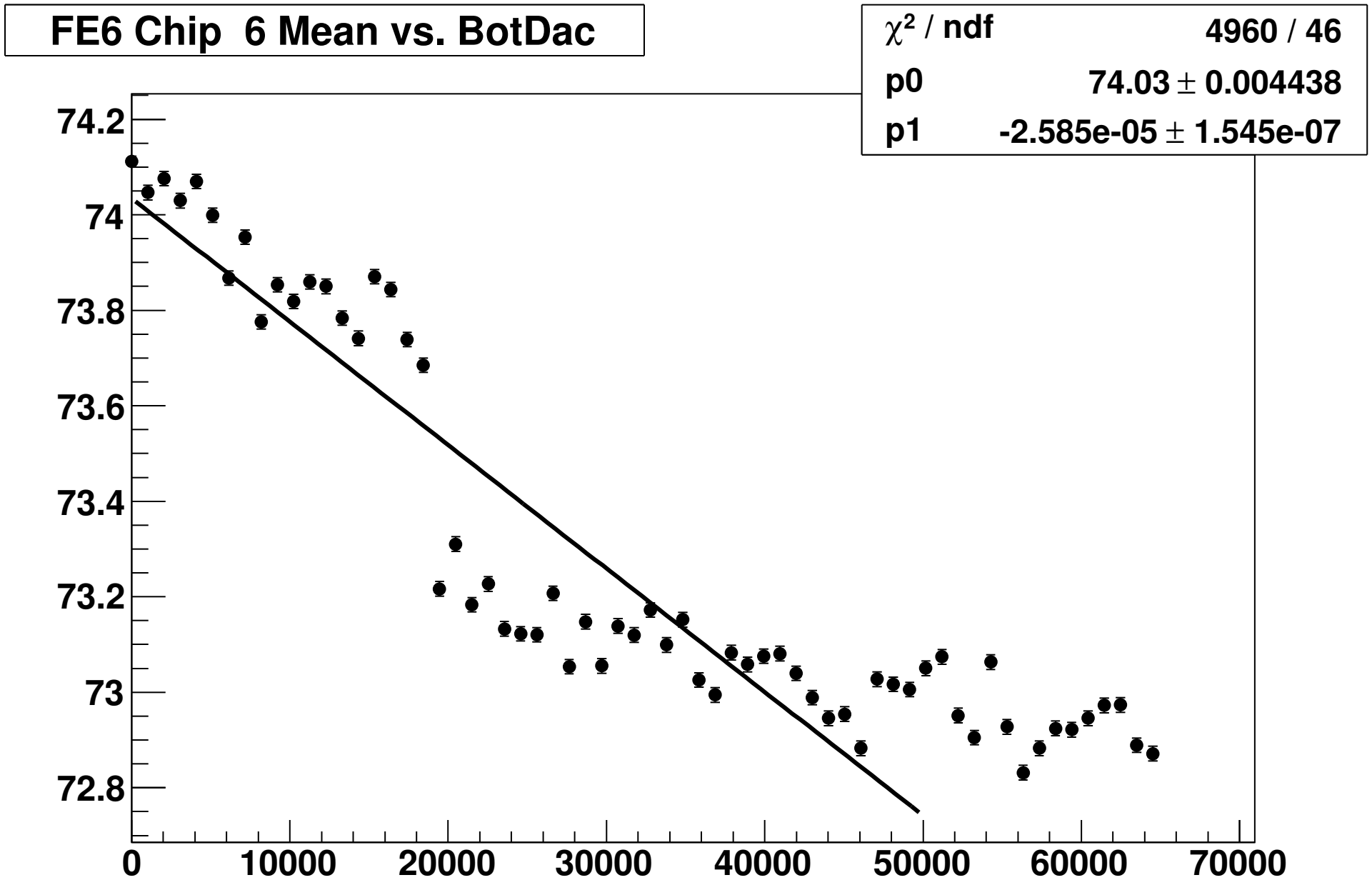

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 61.23 / 46
p0 1.497 ± 0.001611
p1 -6.589e-15 ± 1.502e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

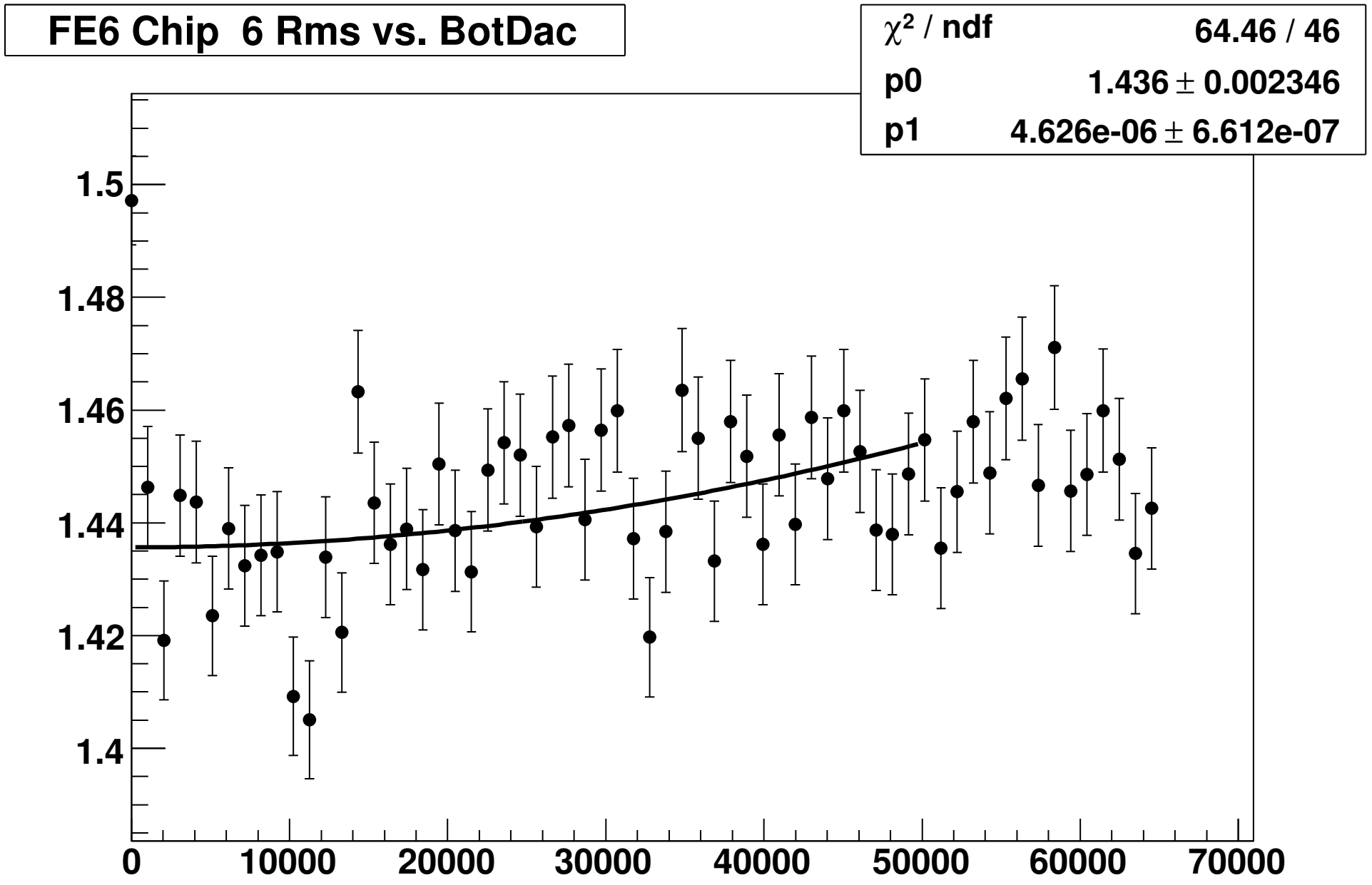

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 6.33e+04 / 46
p0 -39.98 ± 0.004589
p1 0.4502 ± 1.833e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

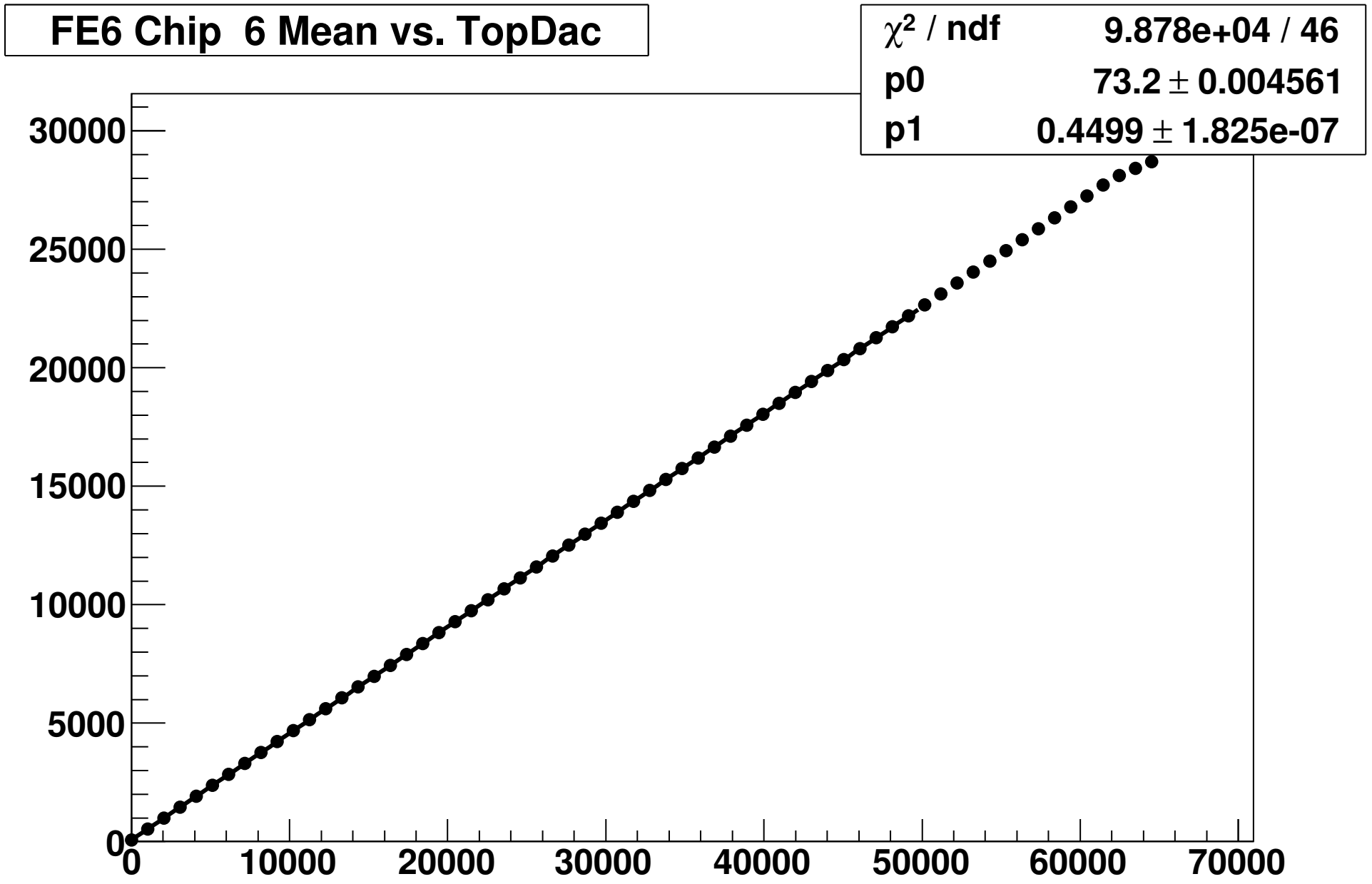

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 951.4 / 46
p0 1.345 ± 0.002571
p1 3.477e-05 ± 1.364e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

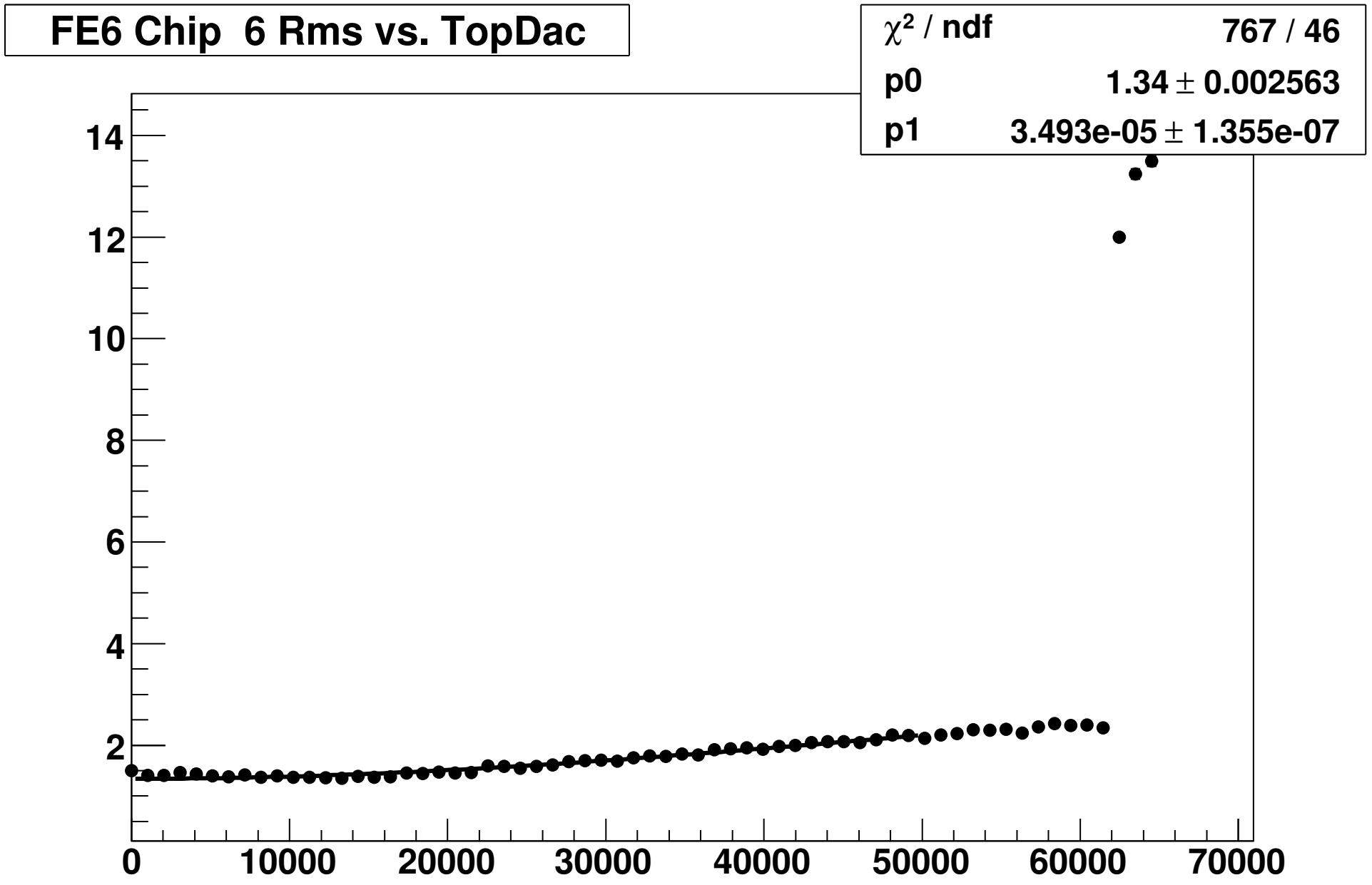

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 925 / 46
p0 -38.11 ± 0.004472
p1 -9.946e-06 ± 1.555e-07
-37.9
-38
-38.1
-38.2
-38.3
-38.4
-38.5
-38.6
0
10000
20000
30000
40000
50000
60000
70000

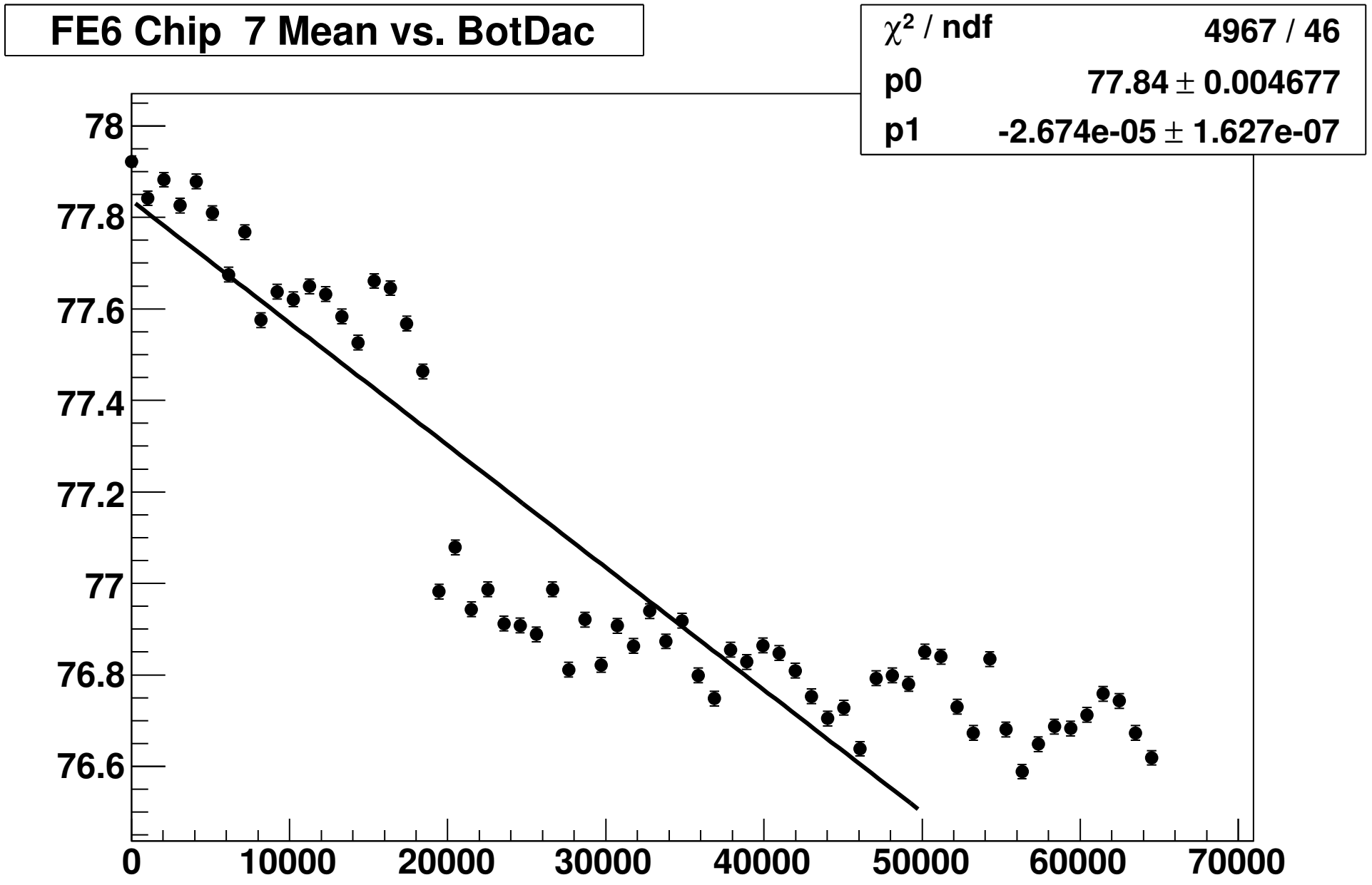

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 70.94 / 46
p0 1.452 ± 0.002369
p1 3.881e-06 ± 8.018e-07
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

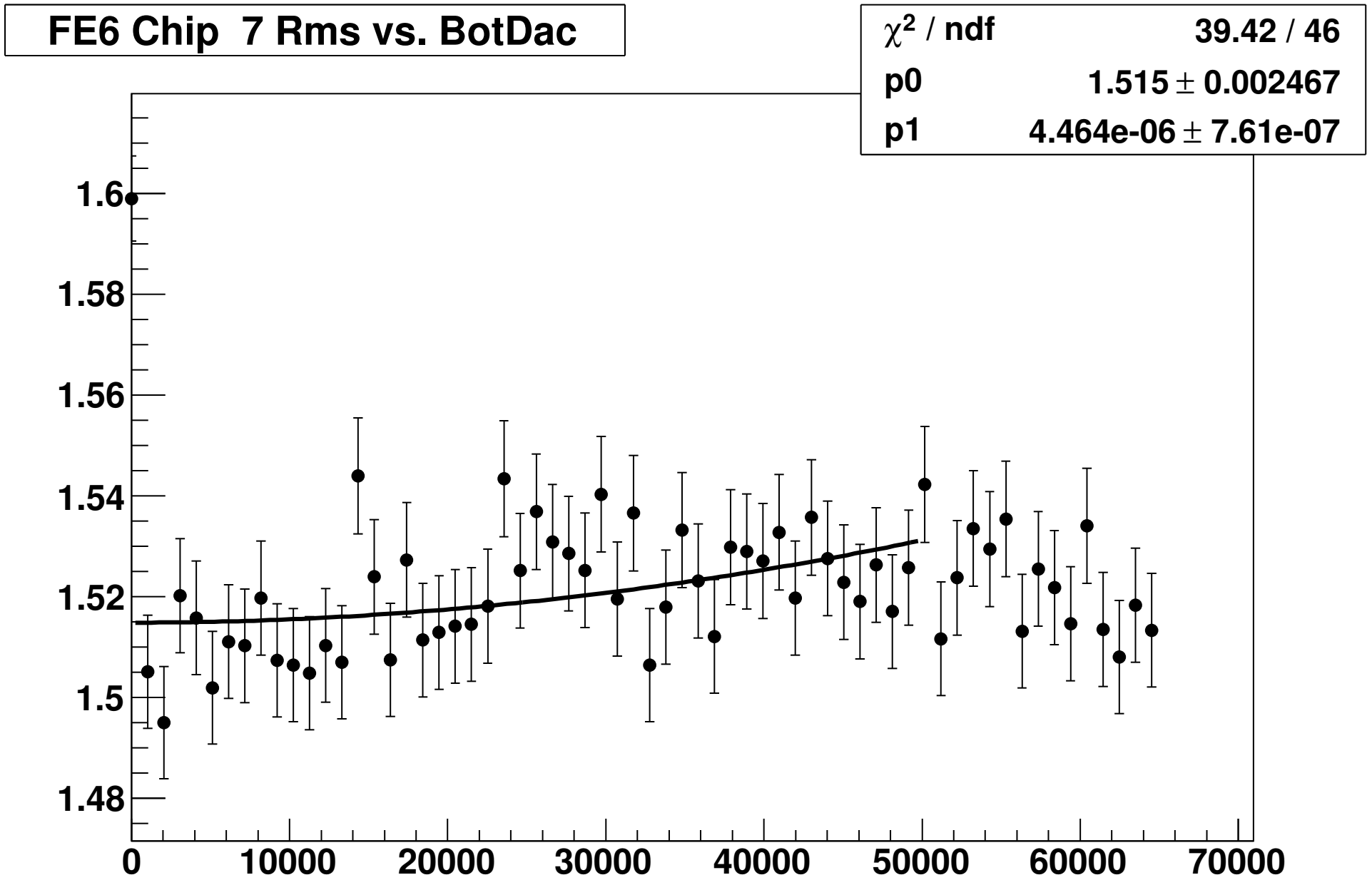

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 4960 / 46
p0 74.03 ± 0.004438
p1 -2.585e-05 ± 1.545e-07
74.2
74
73.8
73.6
73.4
73.2
73
72.8
0
10000
20000
30000
40000
50000
60000
70000

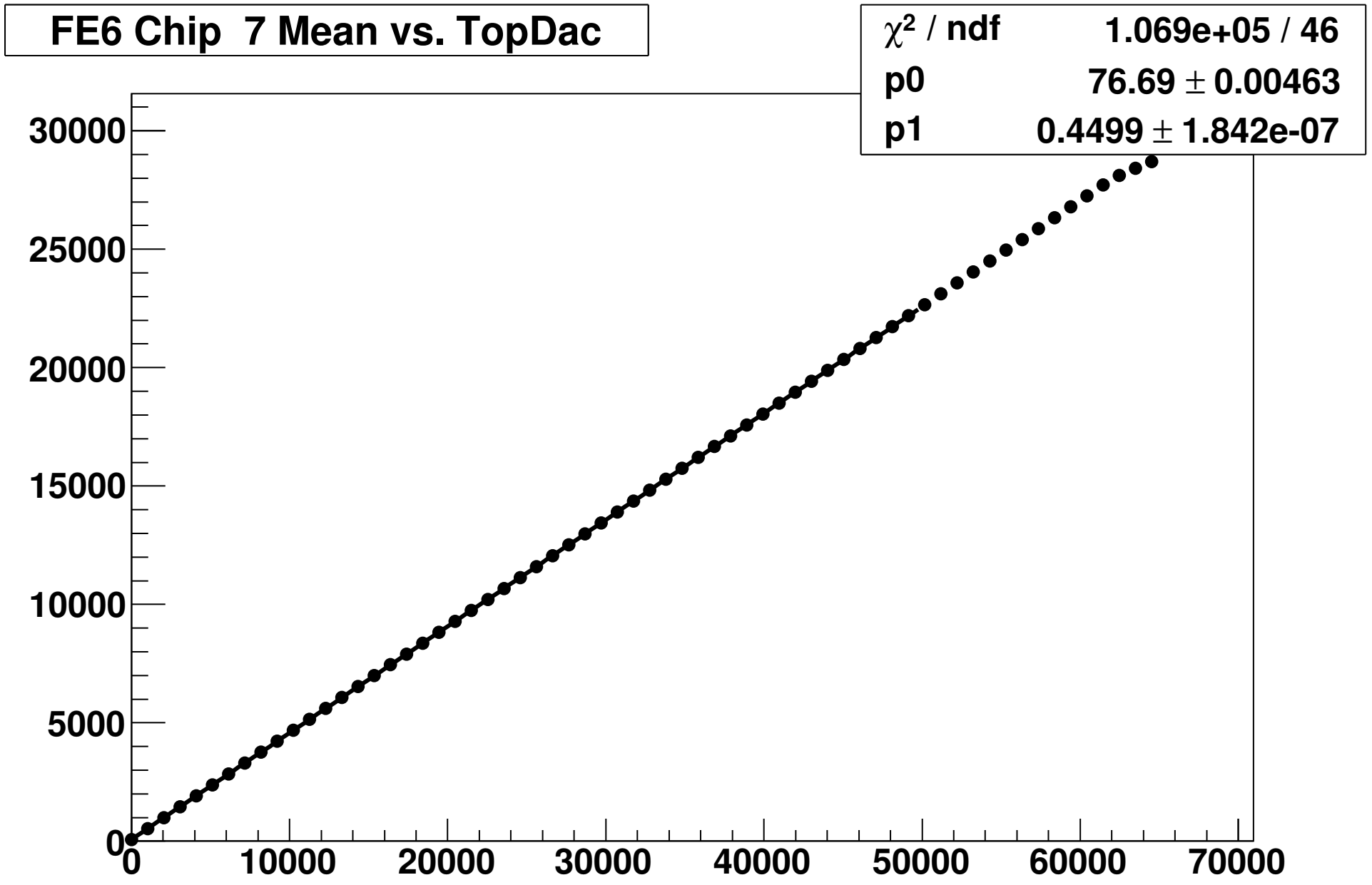

FE6 Chip 6 Rms vs. BotDac
χ² / ndf 64.46 / 46
p0 1.436 ± 0.002346
p1 4.626e-06 ± 6.612e-07
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

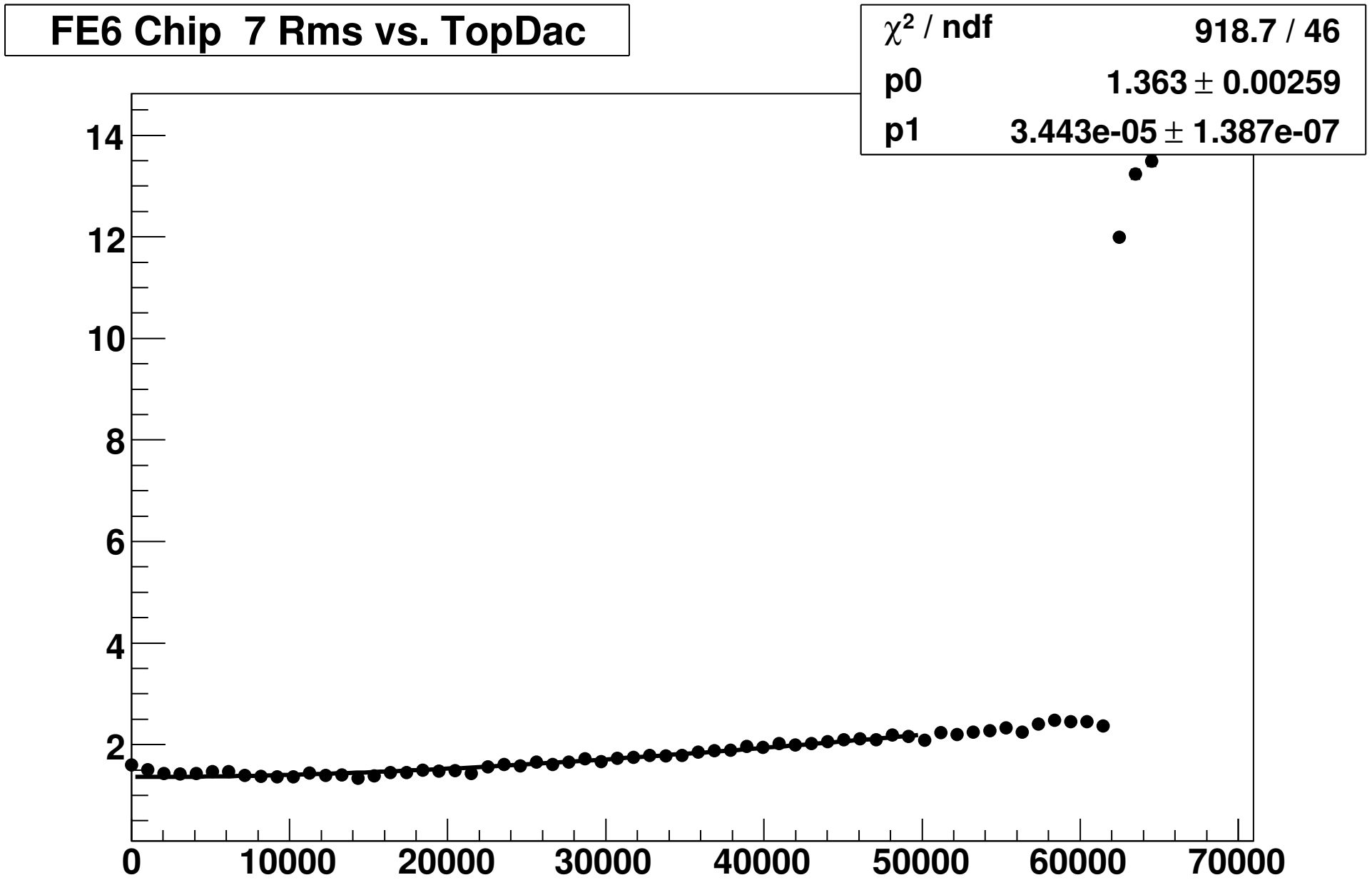

FE6 Chip 6 Mean vs. TopDac
χ² / ndf 9.878e+04 / 46
p0 73.2 ± 0.004561
p1 0.4499 ± 1.825e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

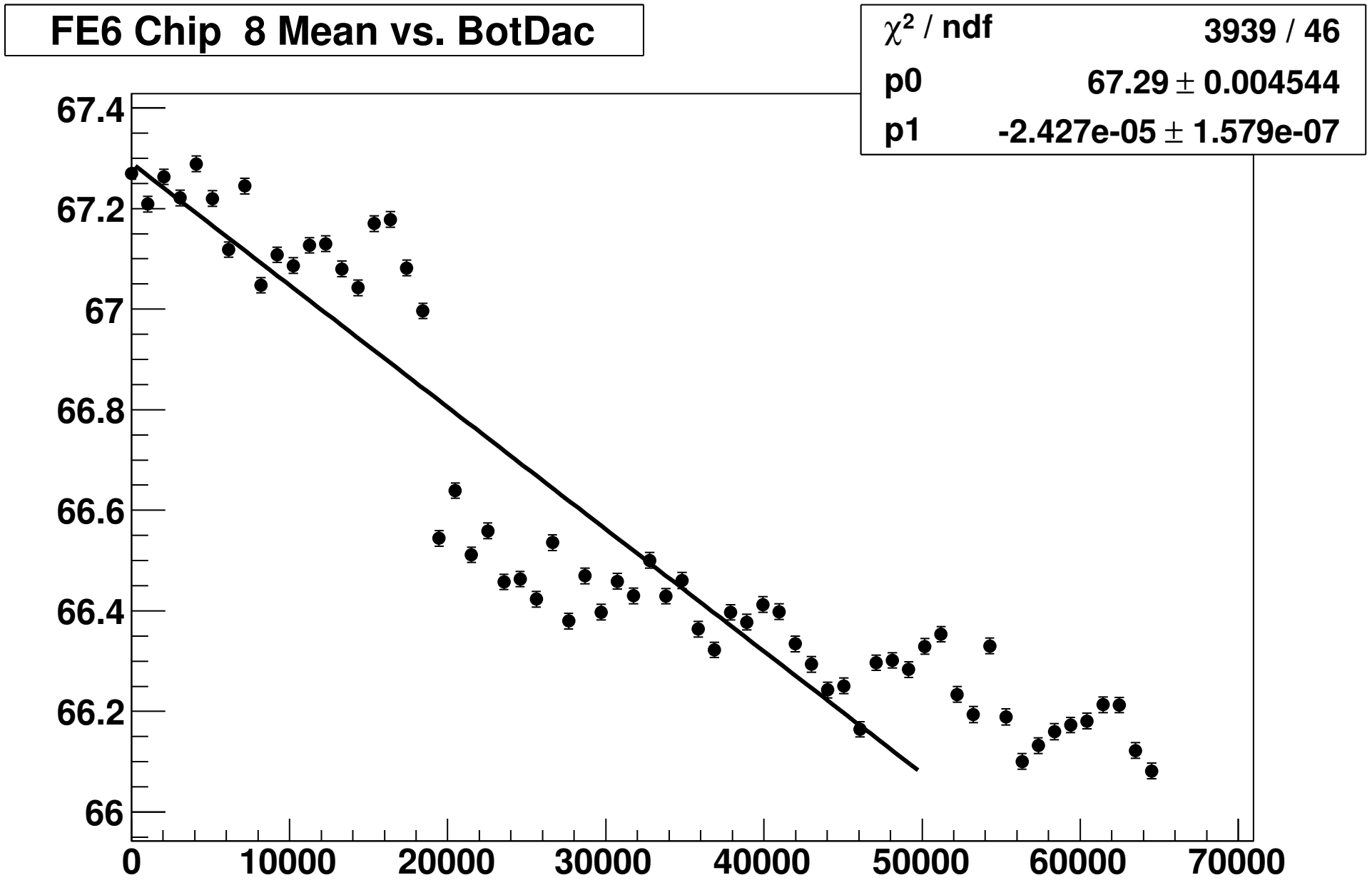

FE6 Chip 6 Rms vs. TopDac
χ² / ndf 767 / 46
p0 1.34 ± 0.002563
p1 3.493e-05 ± 1.355e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

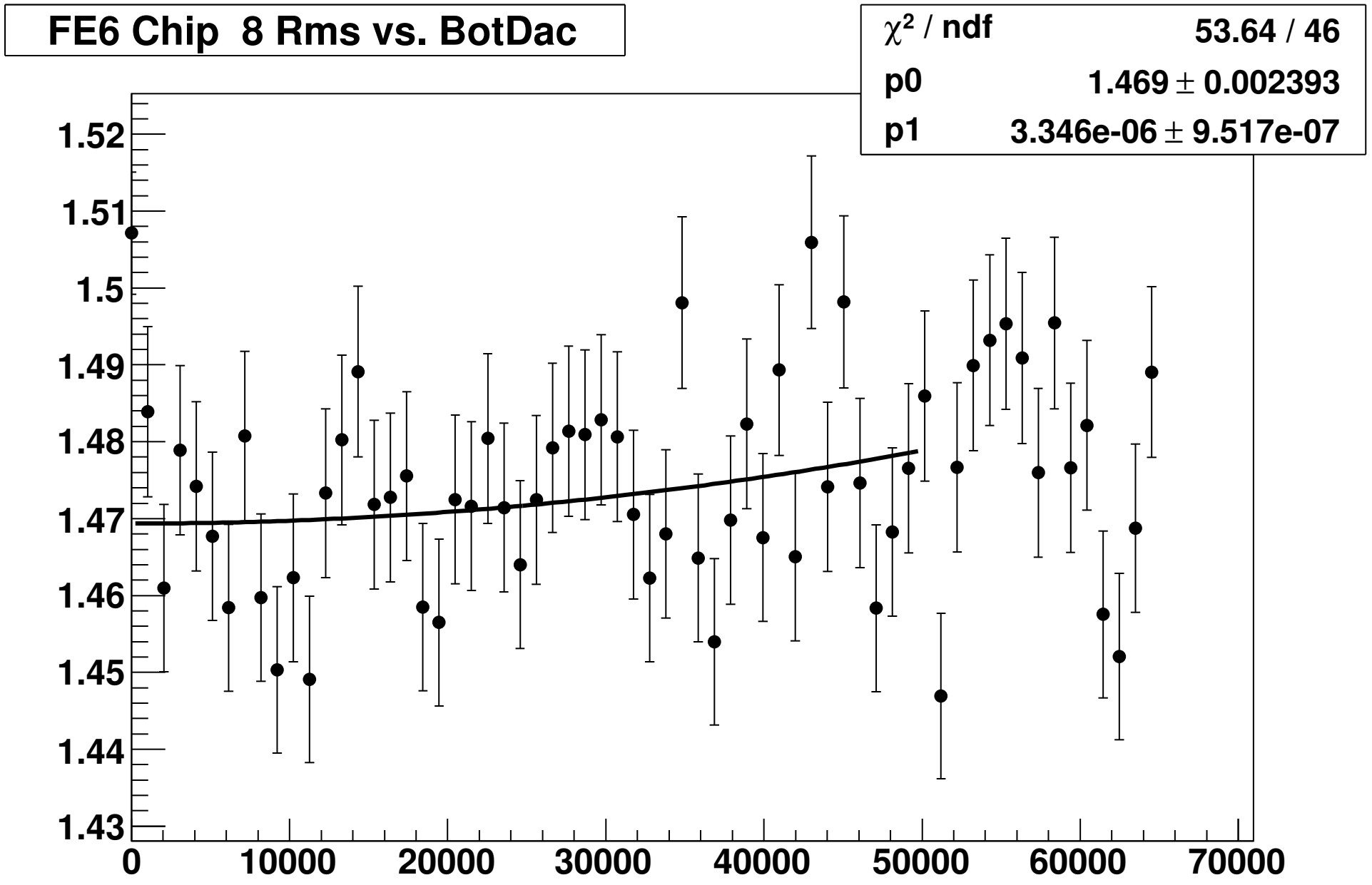

FE6 Chip 7 Mean vs. BotDac
χ² / ndf 4967 / 46
p0 77.84 ± 0.004677
p1 -2.674e-05 ± 1.627e-07
78
77.8
77.6
77.4
77.2
77
76.8
76.6
0
10000
20000
30000
40000
50000
60000
70000

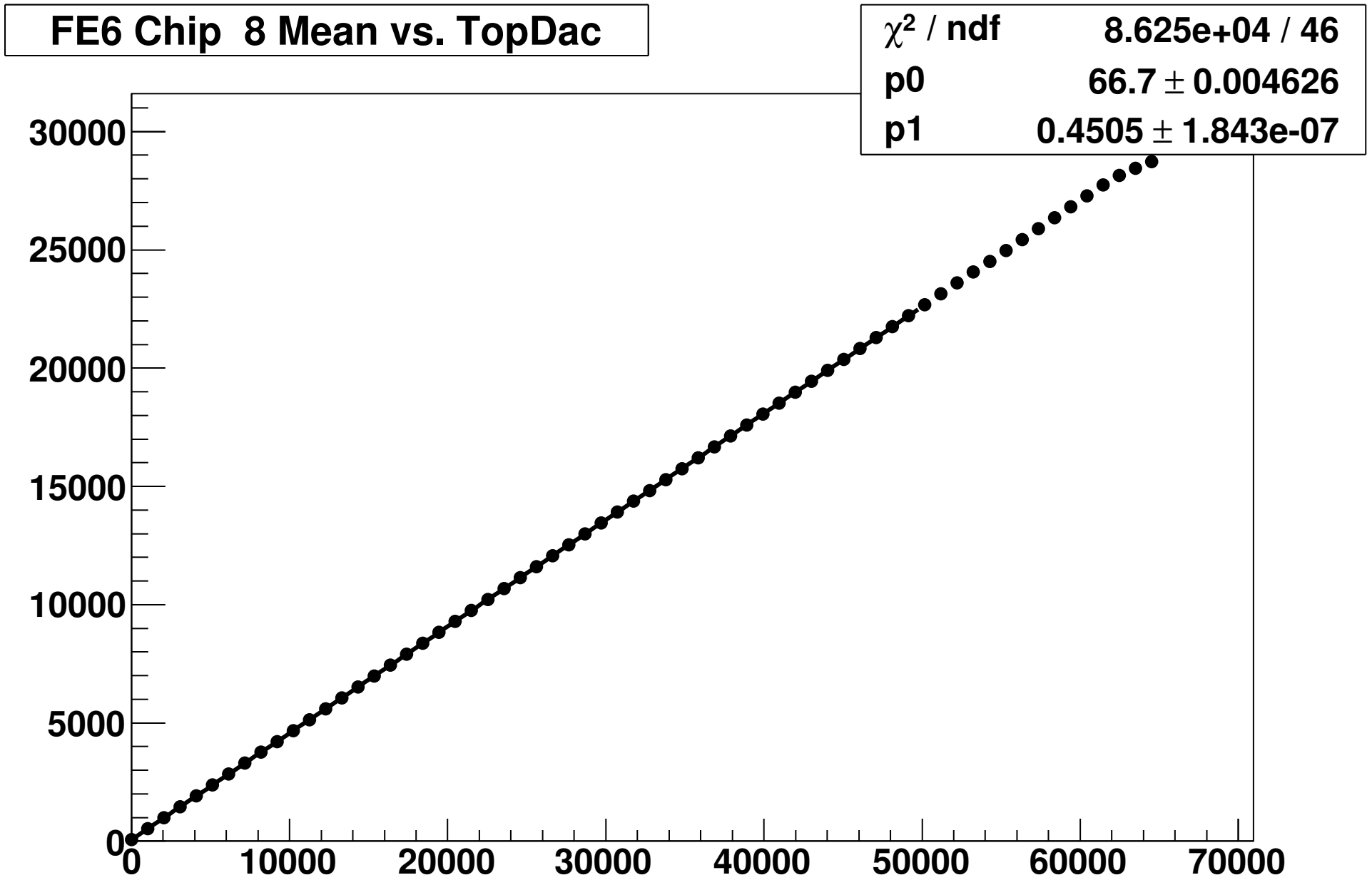

FE6 Chip 7 Rms vs. BotDac
χ² / ndf 39.42 / 46
p0 1.515 ± 0.002467
p1 4.464e-06 ± 7.61e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

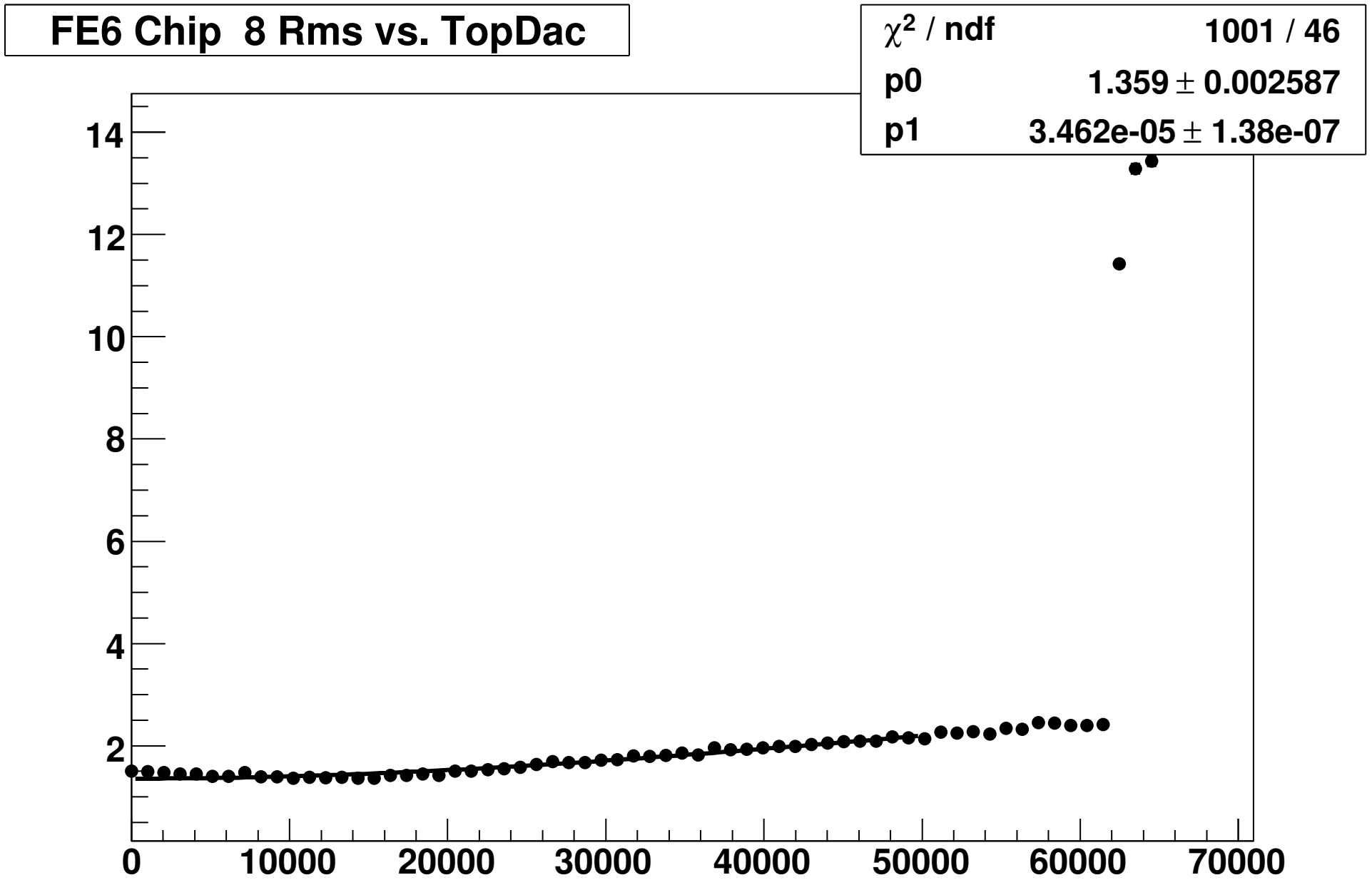

FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.069e+05 / 46
p0 76.69 ± 0.00463
p1 0.4499 ± 1.842e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

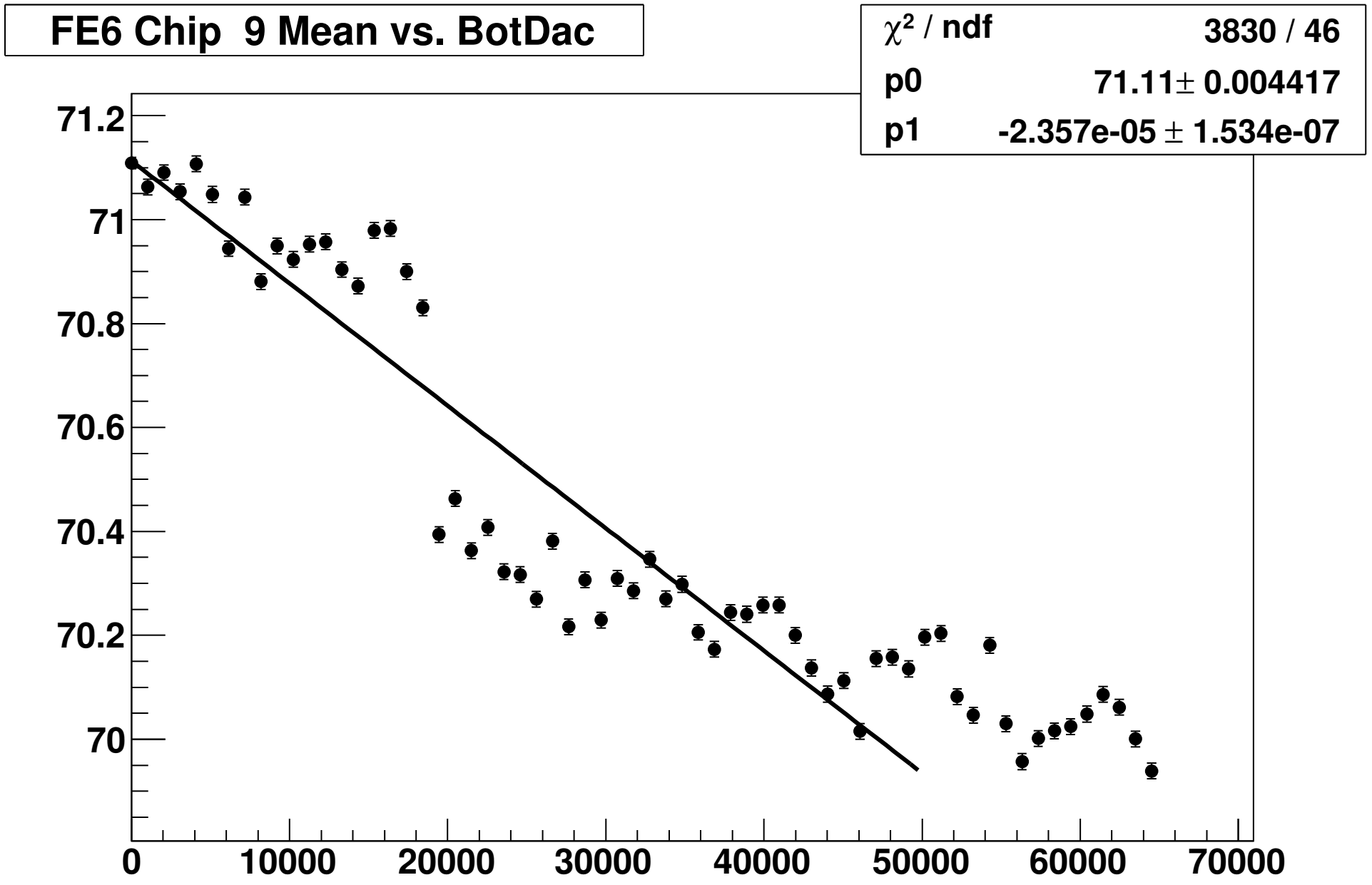

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 918.7 / 46
p0 1.363 ± 0.00259
p1 3.443e-05 ± 1.387e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

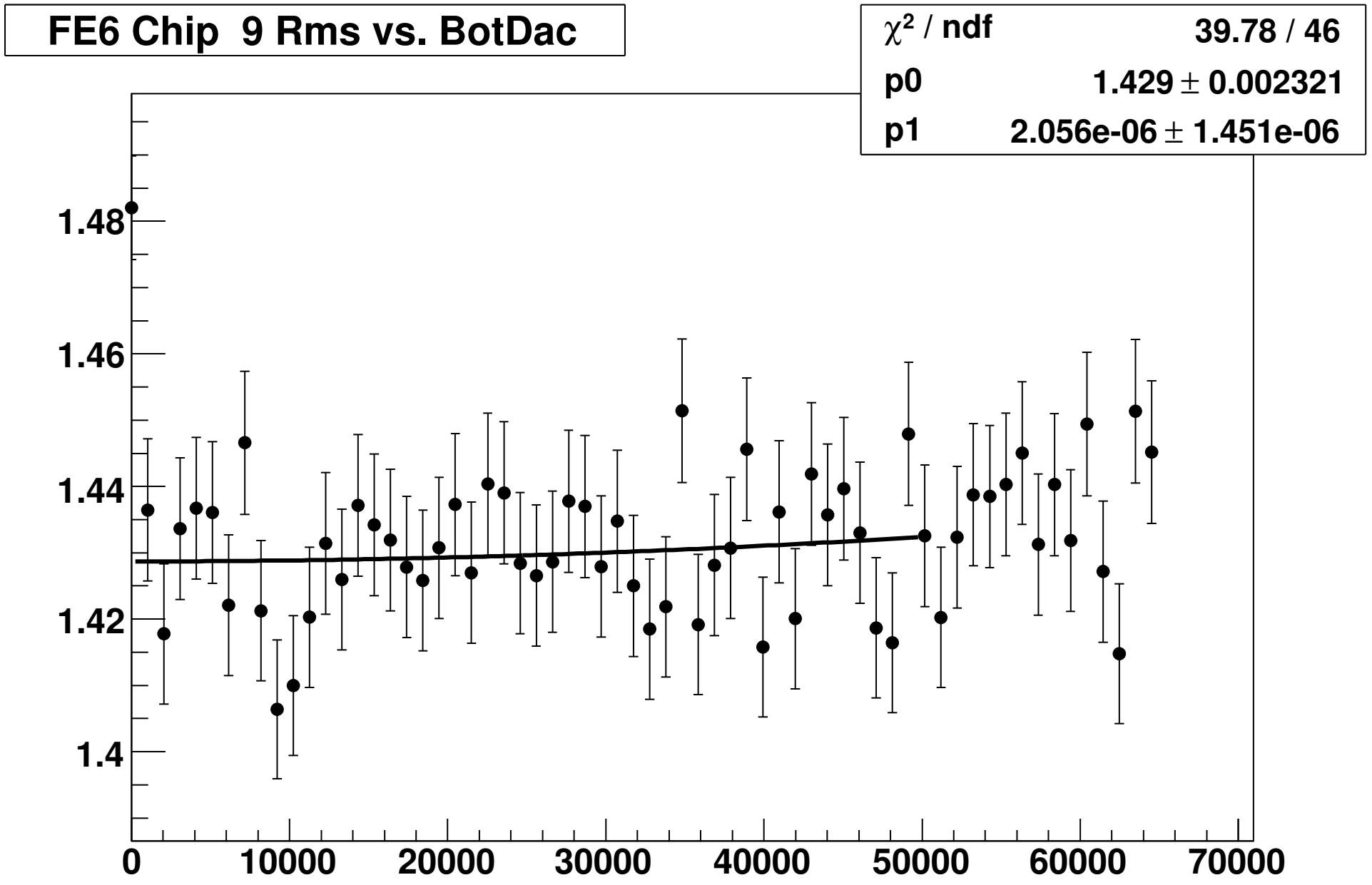

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 3939 / 46
p0 67.29 ± 0.004544
p1 -2.427e-05 ± 1.579e-07
67.4
67.2
67
66.8
66.6
66.4
66.2
66
0
10000
20000
30000
40000
50000
60000
70000

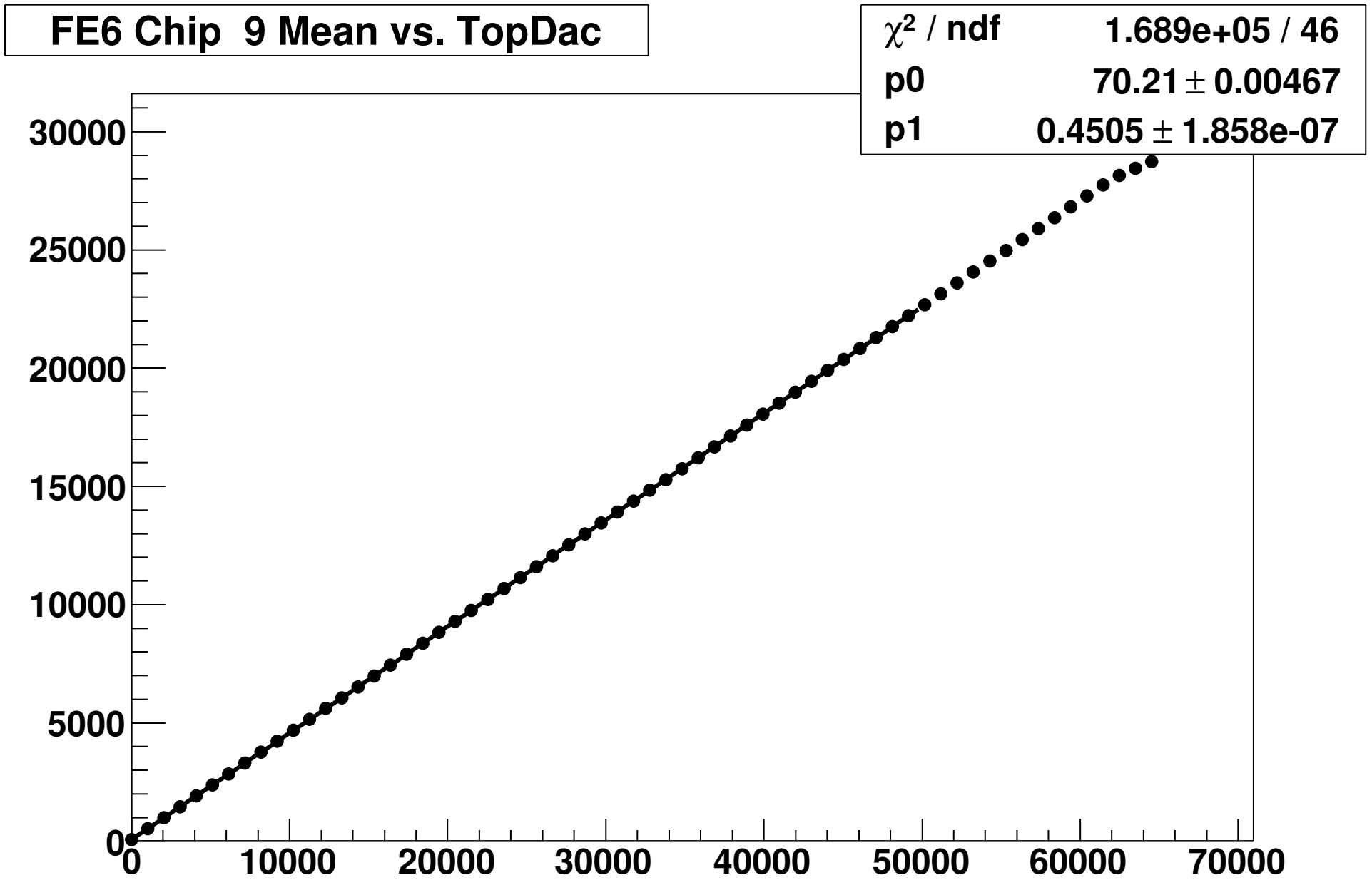

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 53.64 / 46
p0 1.469 ± 0.002393
p1 3.346e-06 ± 9.517e-07
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

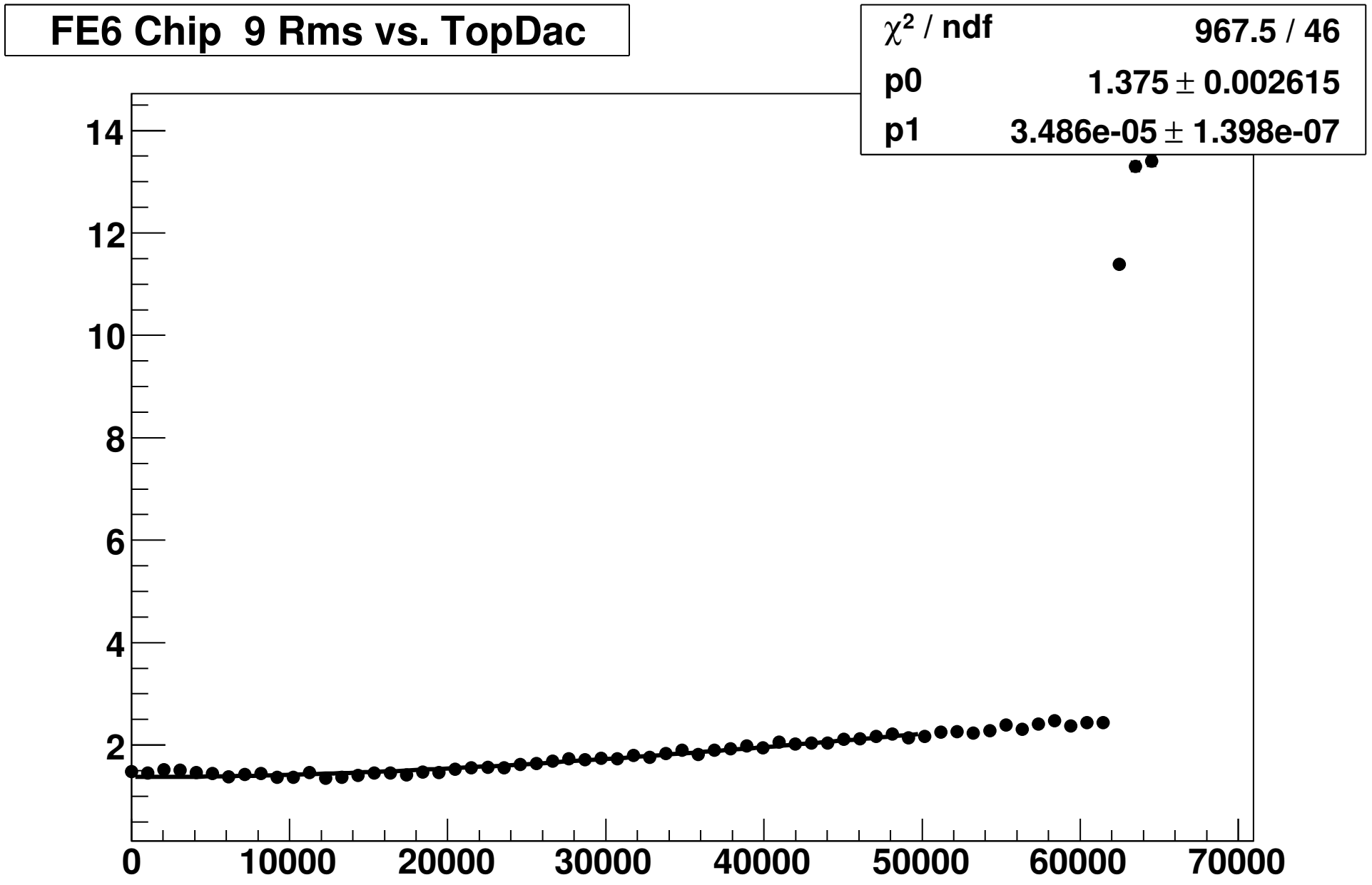

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 8.625e+04 / 46
p0 66.7 ± 0.004626
p1 0.4505 ± 1.843e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

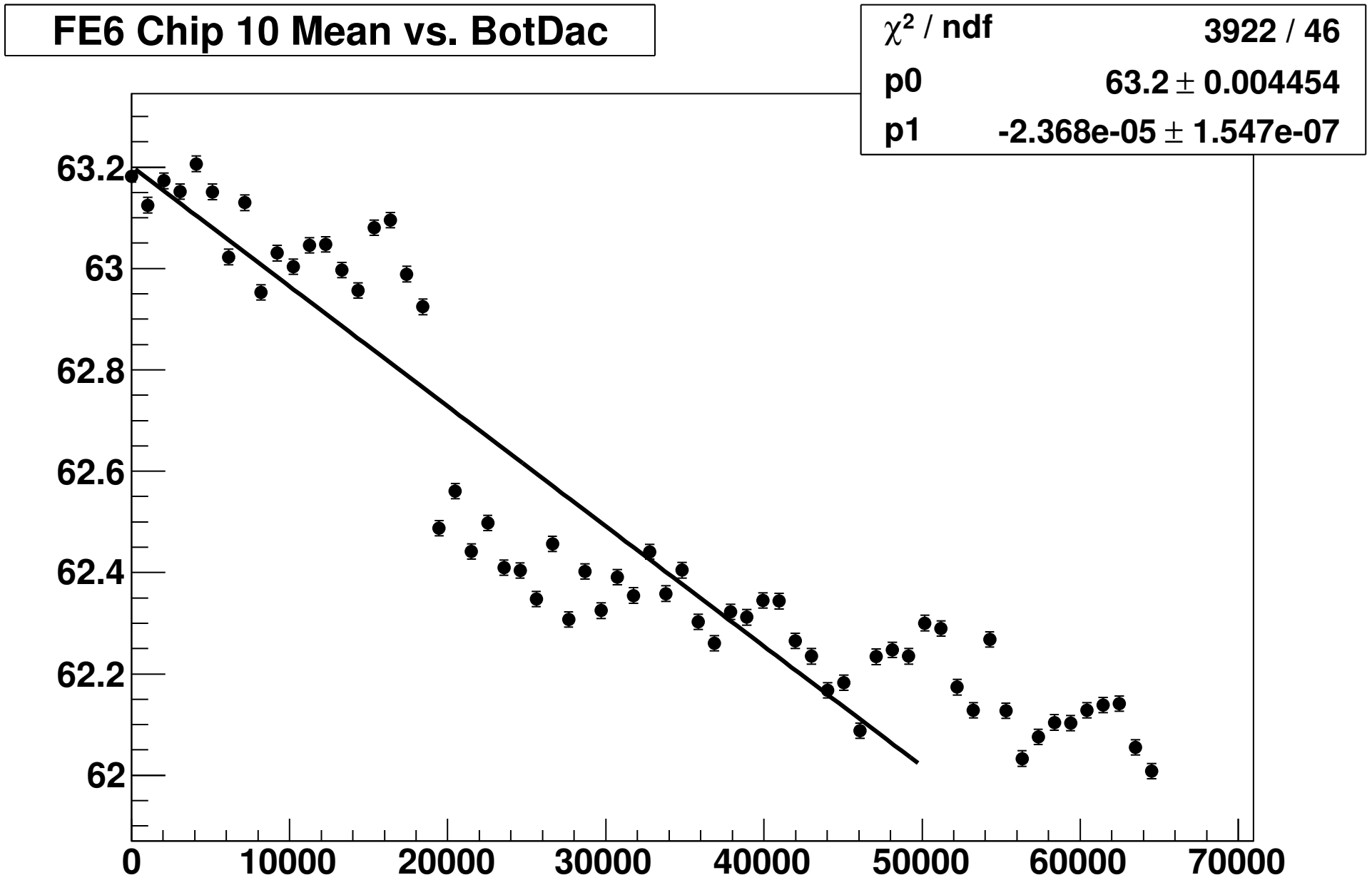

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 1001 / 46
p0 1.359 ± 0.002587
p1 3.462e-05 ± 1.38e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 3830 / 46
p0 71.11 ± 0.004417
p1 -2.357e-05 ± 1.534e-07
71.2
71
70.8
70.6
70.4
70.2
70
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 39.78 / 46
p0 1.429 ± 0.002321
p1 2.056e-06 ± 1.451e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.689e+05 / 46
p0 70.21 ± 0.00467
p1 0.4505 ± 1.858e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 967.5 / 46
p0 1.375 ± 0.002615
p1 3.486e-05 ± 1.398e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 3922 / 46
p0 63.2 ± 0.004454
p1 -2.368e-05 ± 1.547e-07
63.2
63
62.8
62.6
62.4
62.2
62
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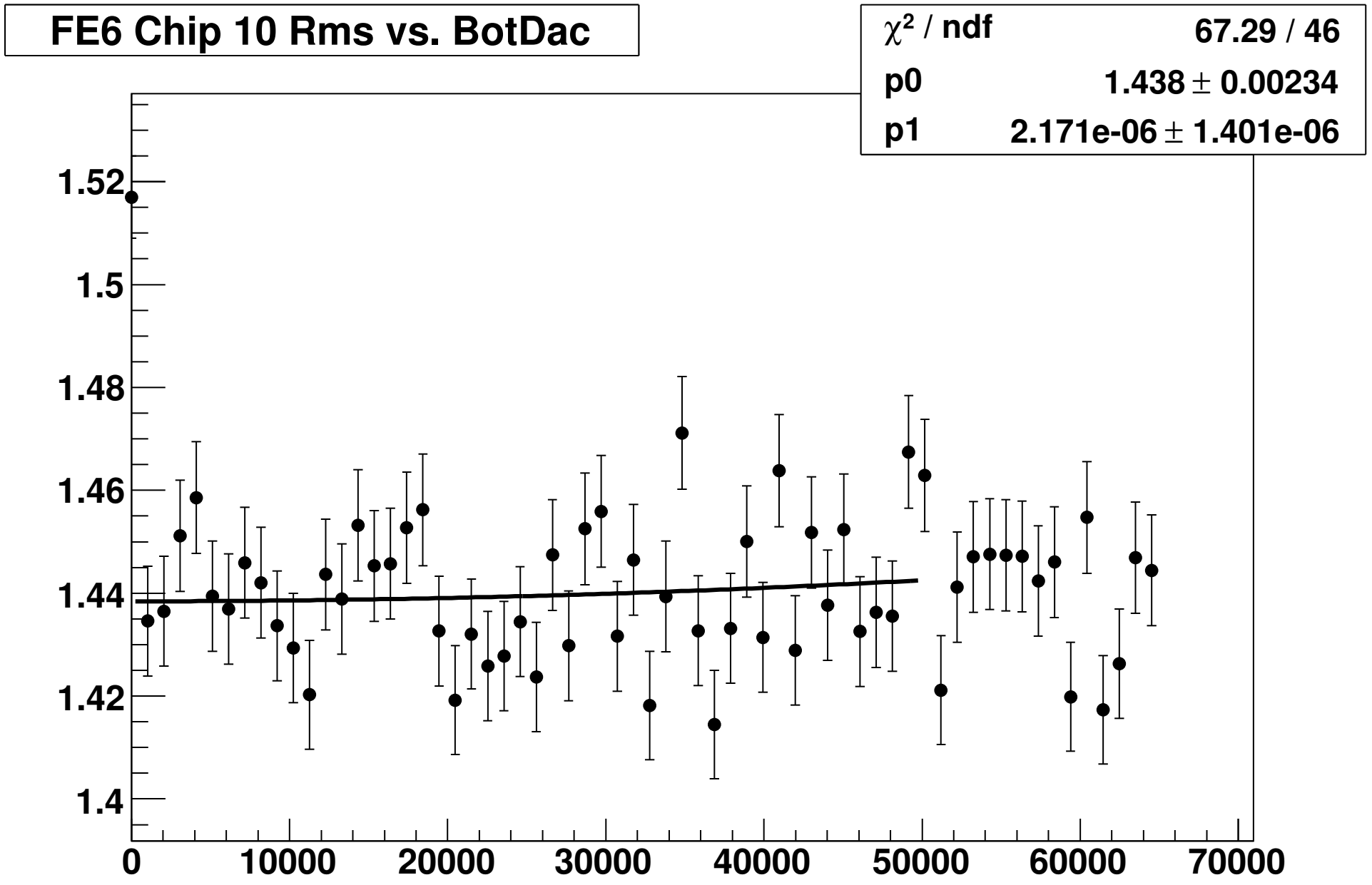
FE6 Chip 10 Rms vs. BotDac
χ² / ndf 67.29 / 46
p0 1.438 ± 0.00234
p1 2.171e-06 ± 1.401e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
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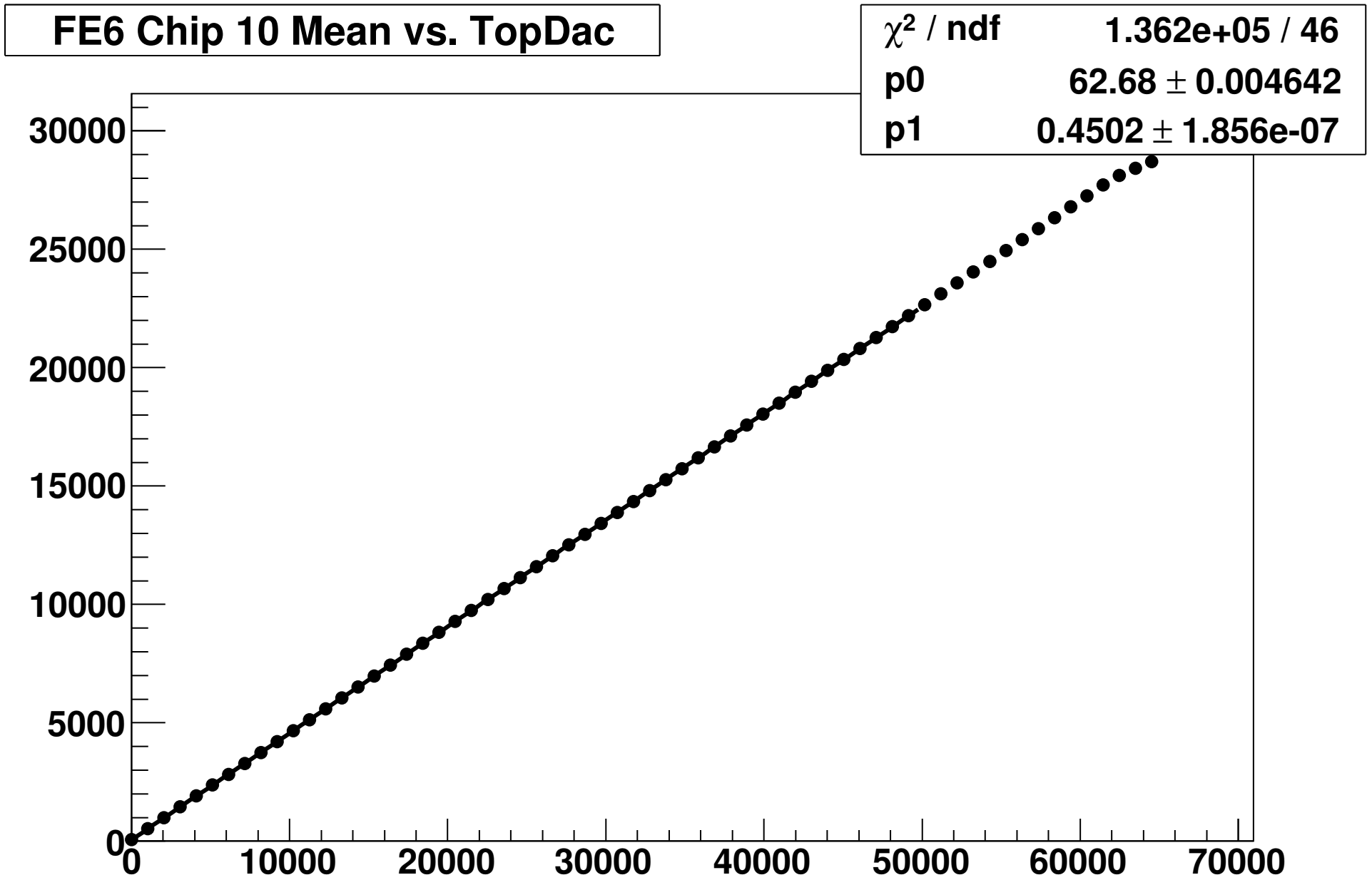
FE6 Chip 10 Mean vs. TopDac
χ² / ndf 1.362e+05 / 46
p0 62.68 ± 0.004642
p1 0.4502 ± 1.856e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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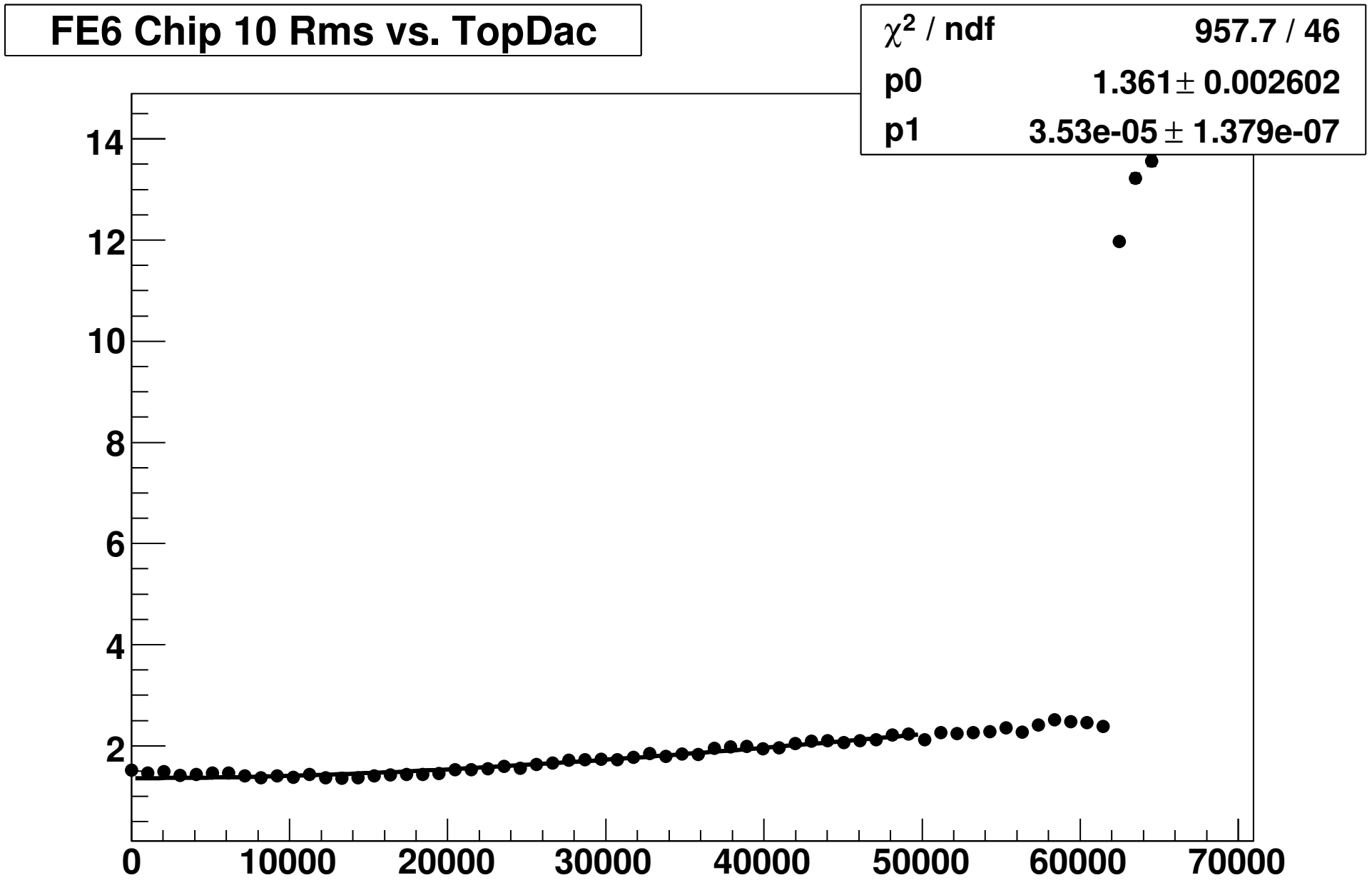
FE6 Chip 10 Rms vs. TopDac
χ² / ndf 957.7 / 46
p0 1.361 ± 0.002602
p1 3.53e-05 ± 1.379e-07
14
12
10
8
6
4
2
0
10000
20000
30000
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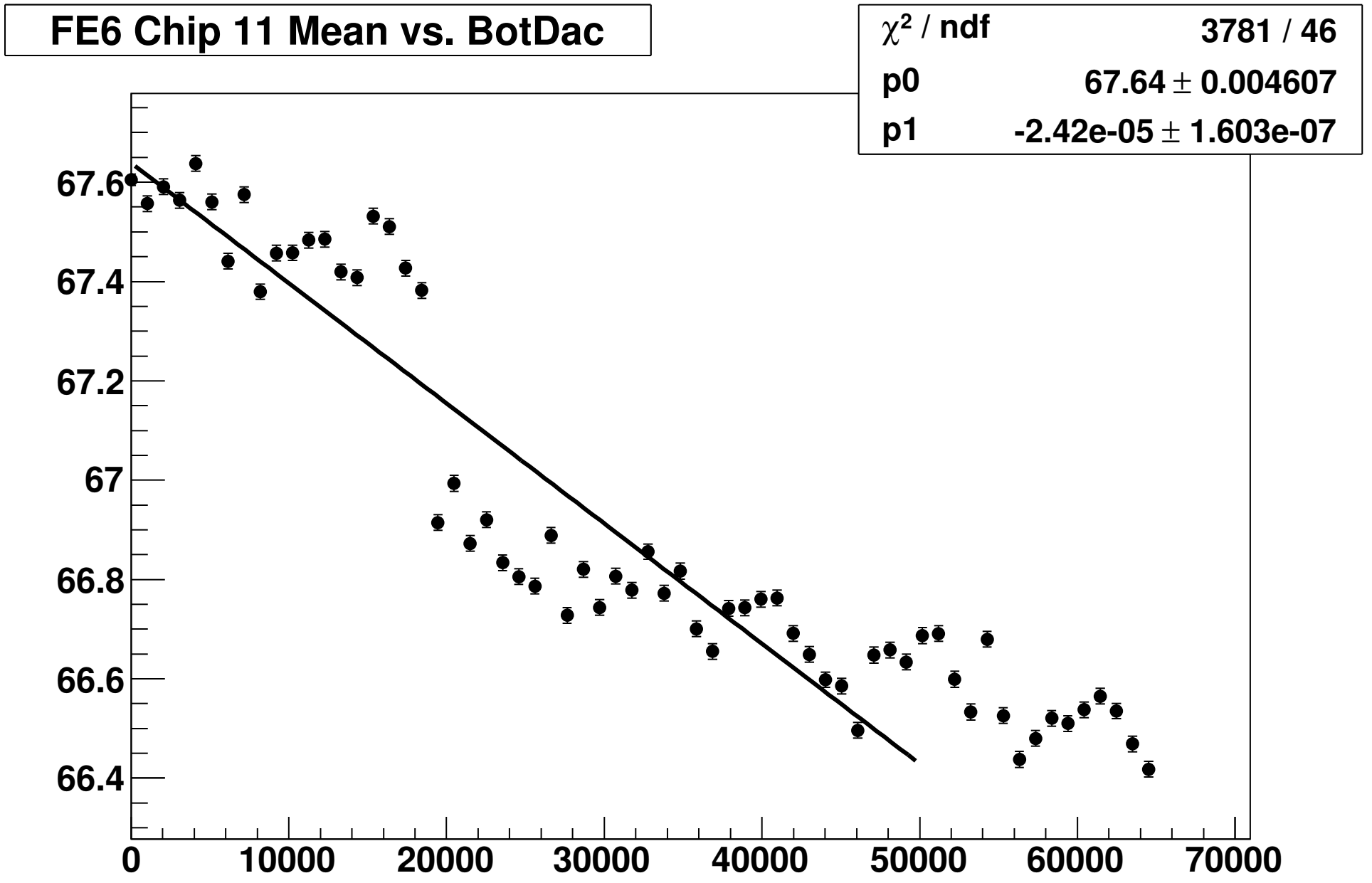
60000
70000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 3781 / 46
p0 67.64 ± 0.004607
p1 -2.42e-05 ± 1.603e-07
67.6
67.4
67.2
67
66.8
66.6
66.4
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60000
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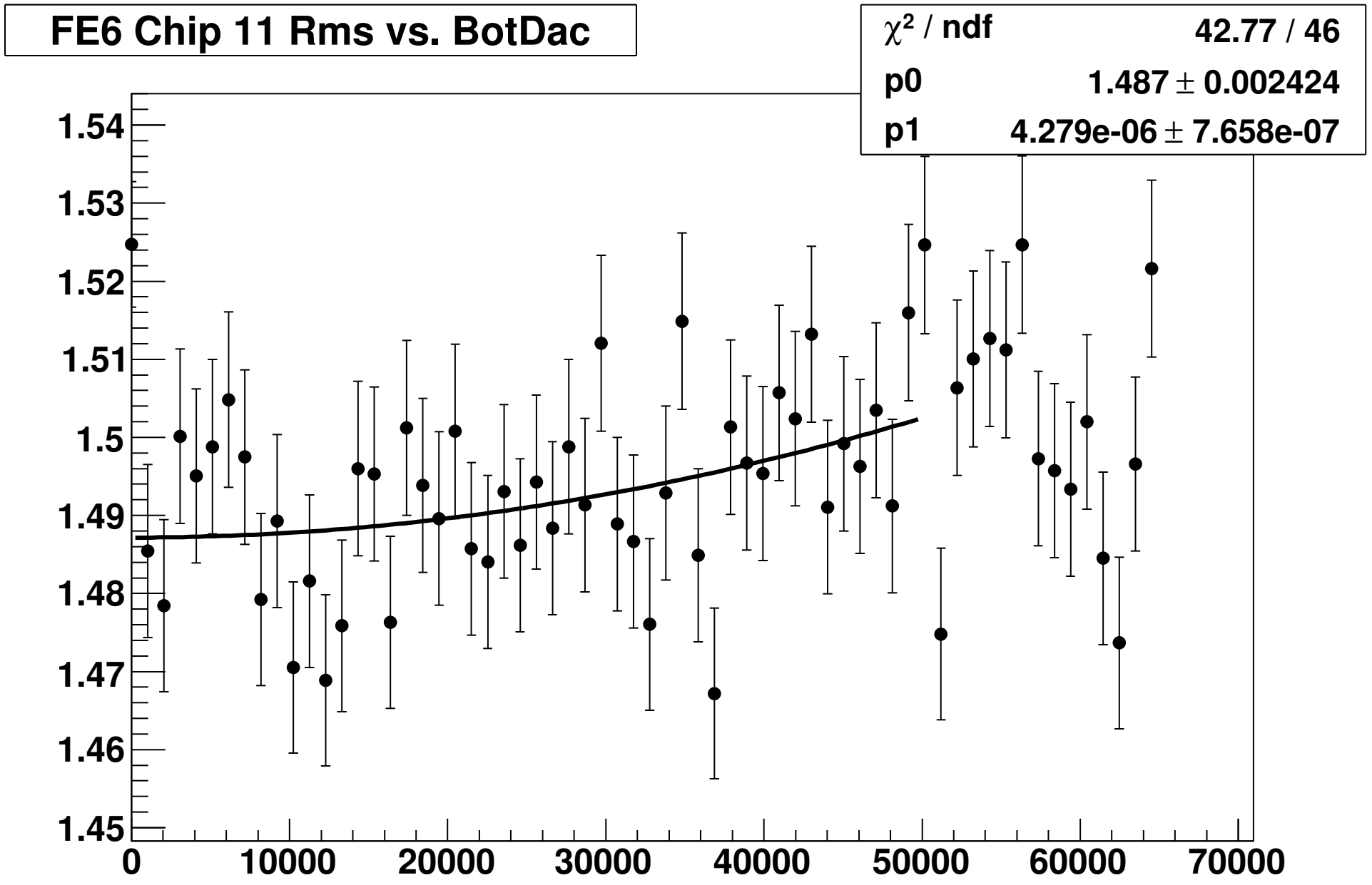
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 42.77 / 46
p0 1.487 ± 0.002424
p1 4.279e-06 ± 7.658e-07
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
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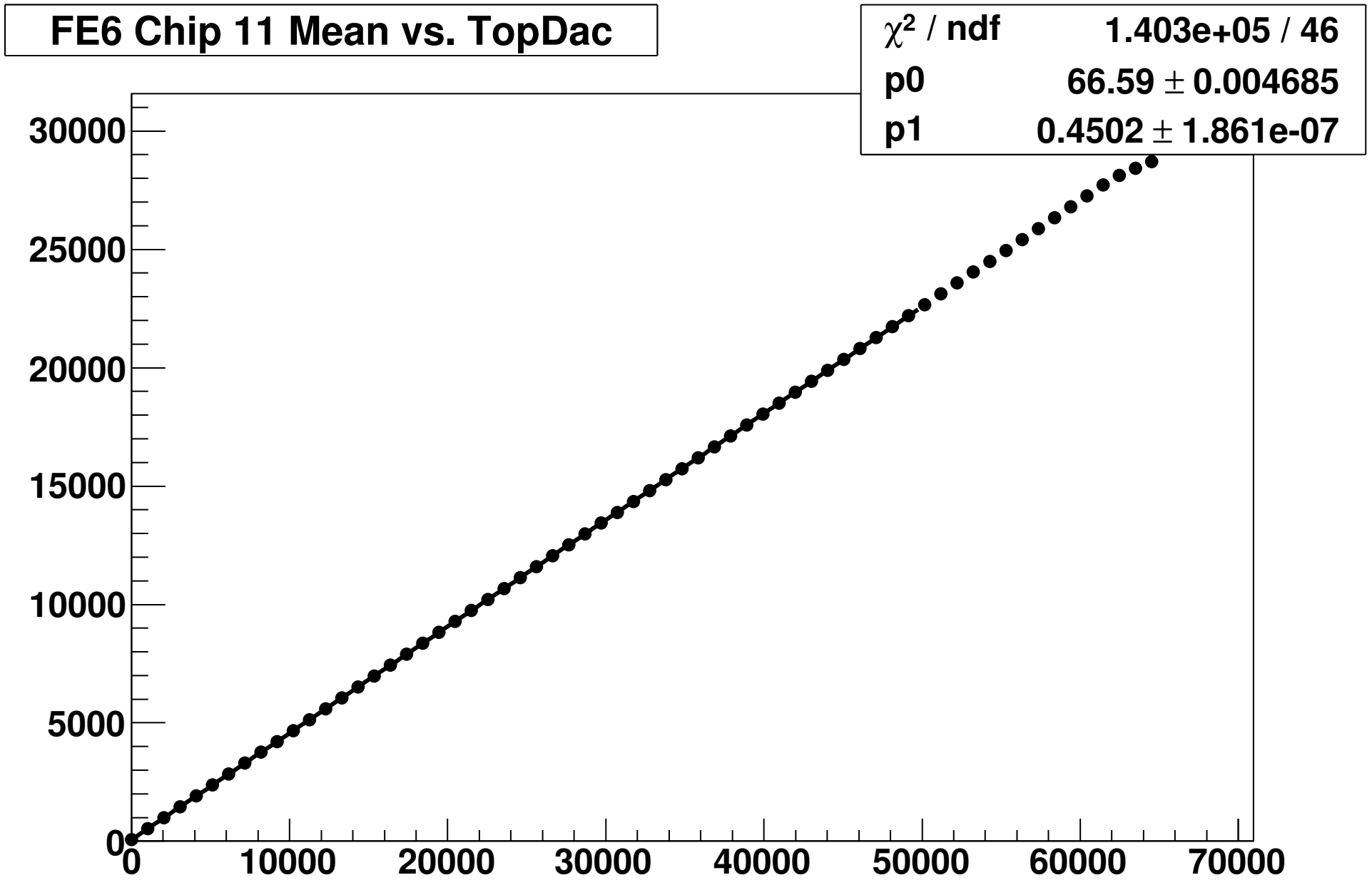
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.403e+05 / 46
p0 66.59 ± 0.004685
p1 0.4502 ± 1.861e-07
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15000
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5000
0
0
10000
20000
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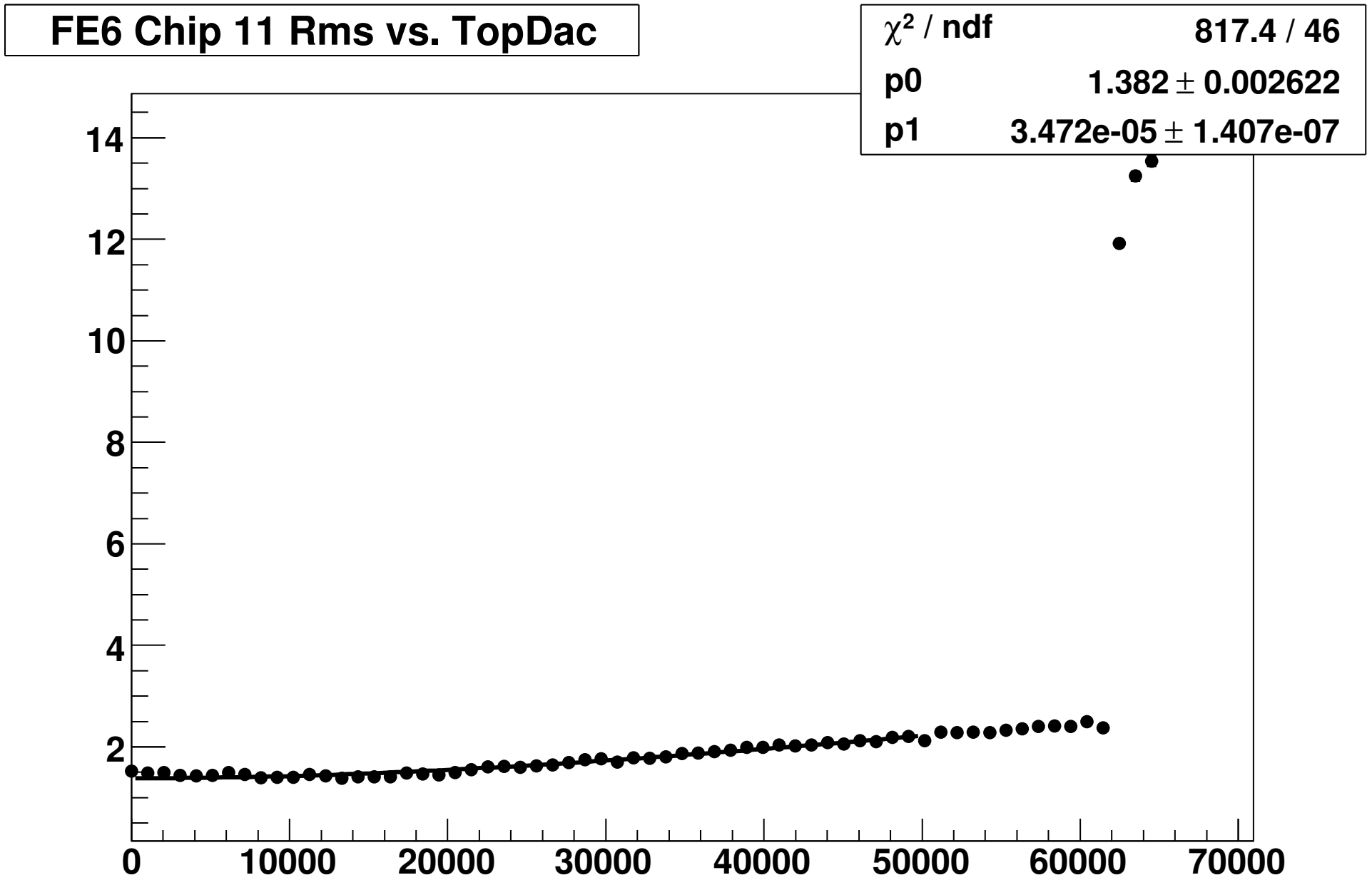
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 817.4 / 46
p0 1.382 ± 0.002622
p1 3.472e-05 ± 1.407e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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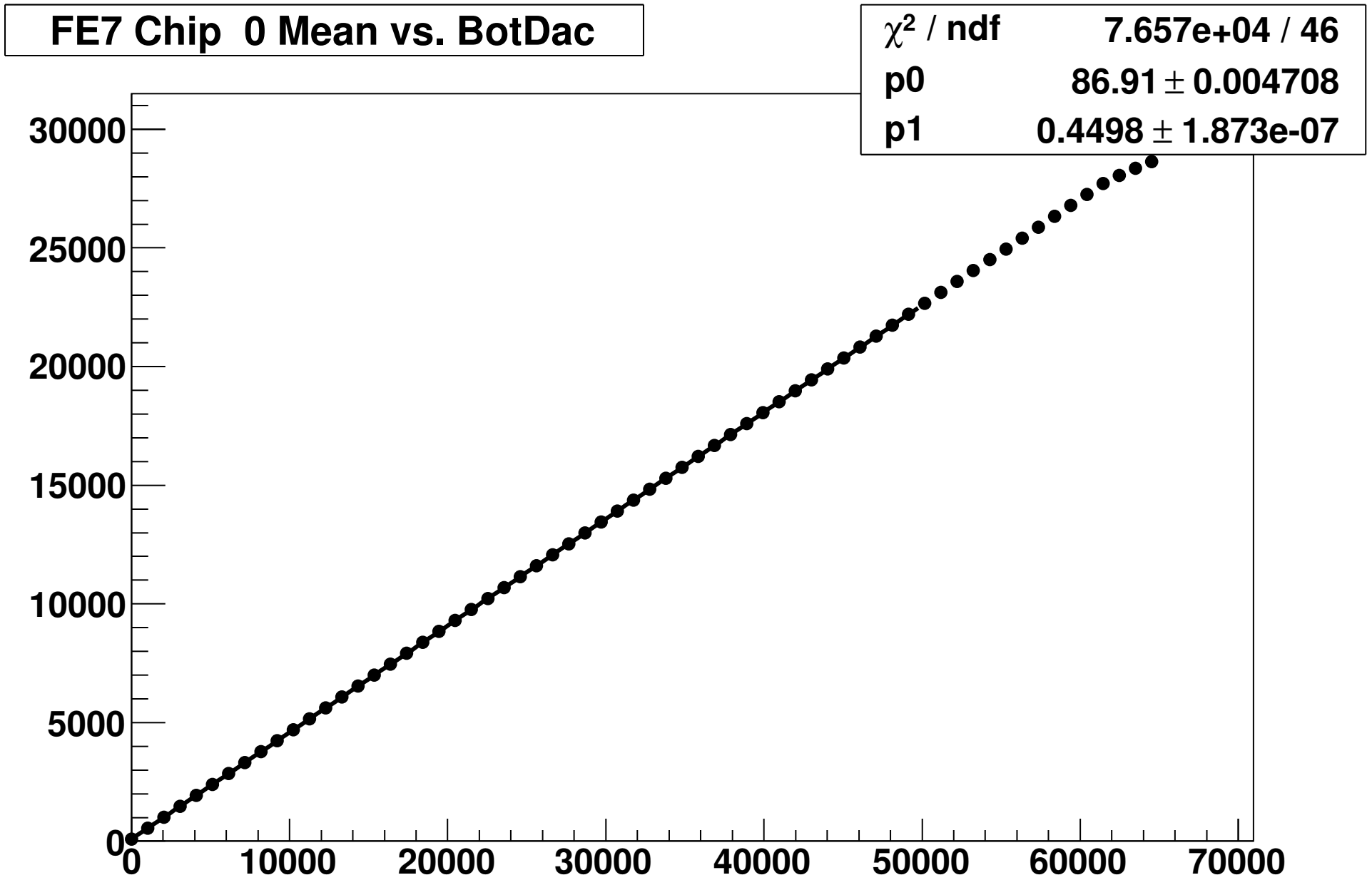
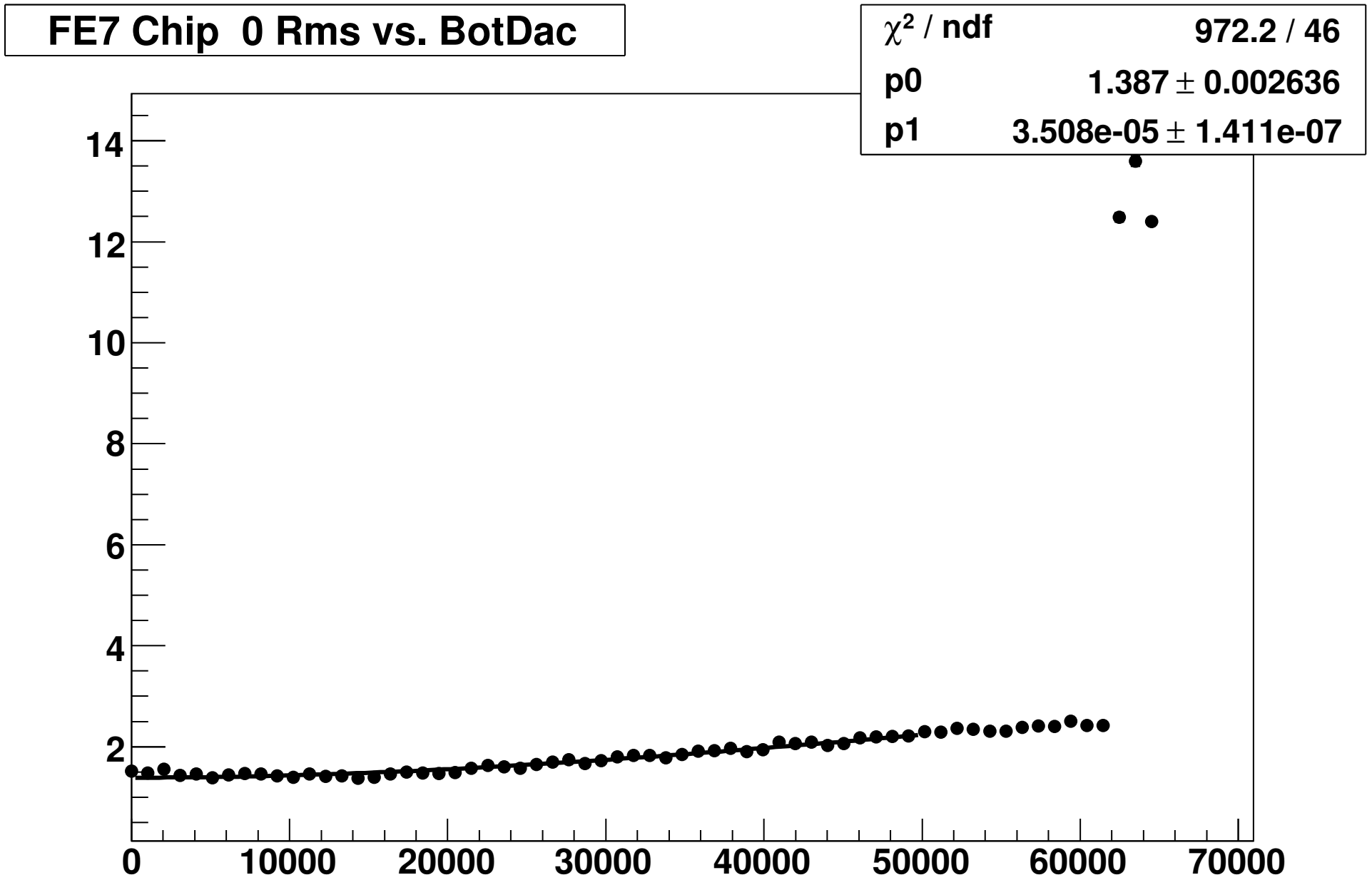
70000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 7.657e+04 / 46
p0 86.91 ± 0.004708
p1 0.4498 ± 1.873e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 972.2 / 46
p0 1.387 ± 0.002636
p1 3.508e-05 ± 1.411e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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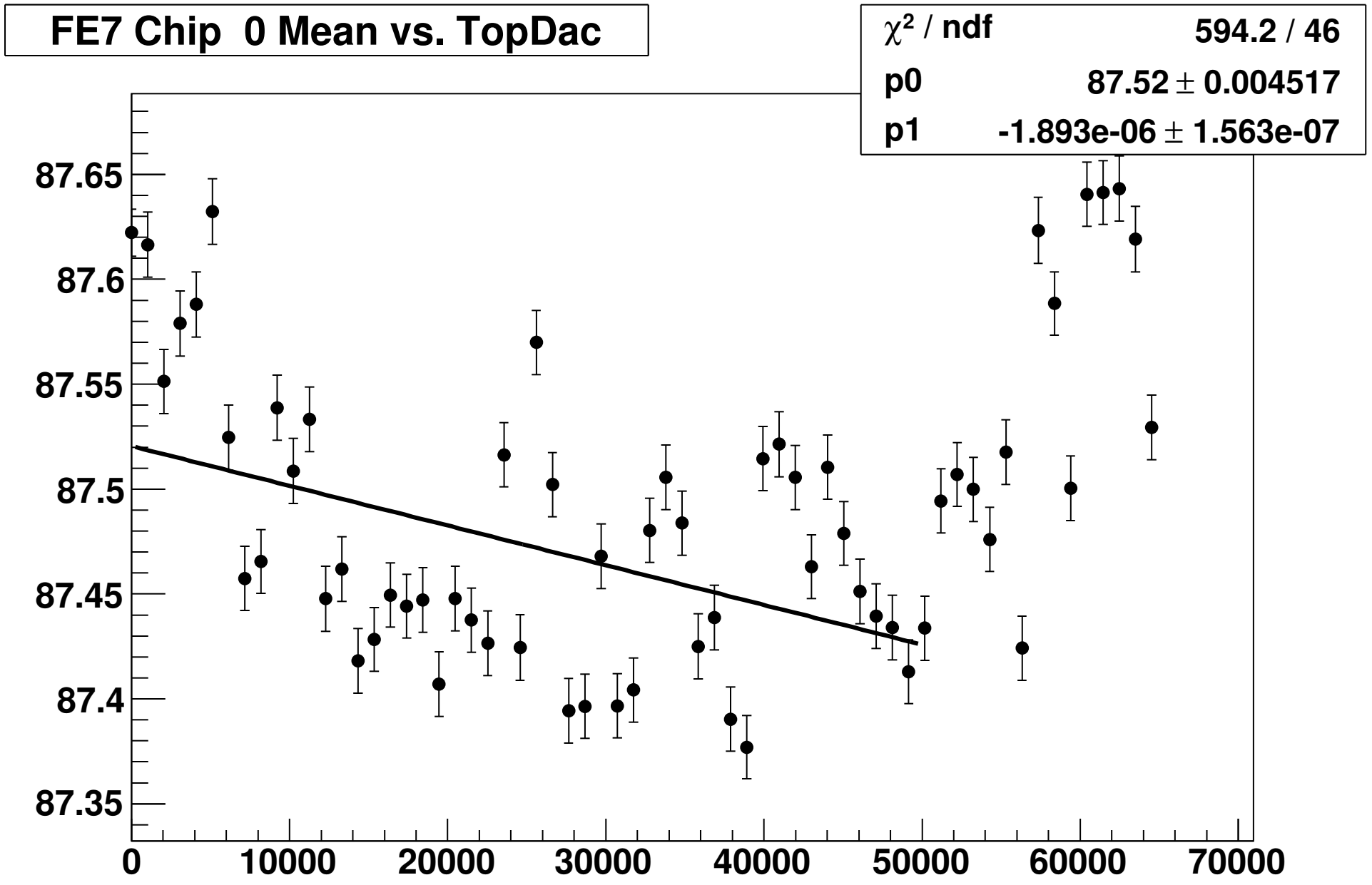
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 594.2 / 46
p0 87.52 ± 0.004517
p1 -1.893e-06 ± 1.563e-07
87.65
87.6
87.55
87.5
87.45
87.4
87.35
0
10000
20000
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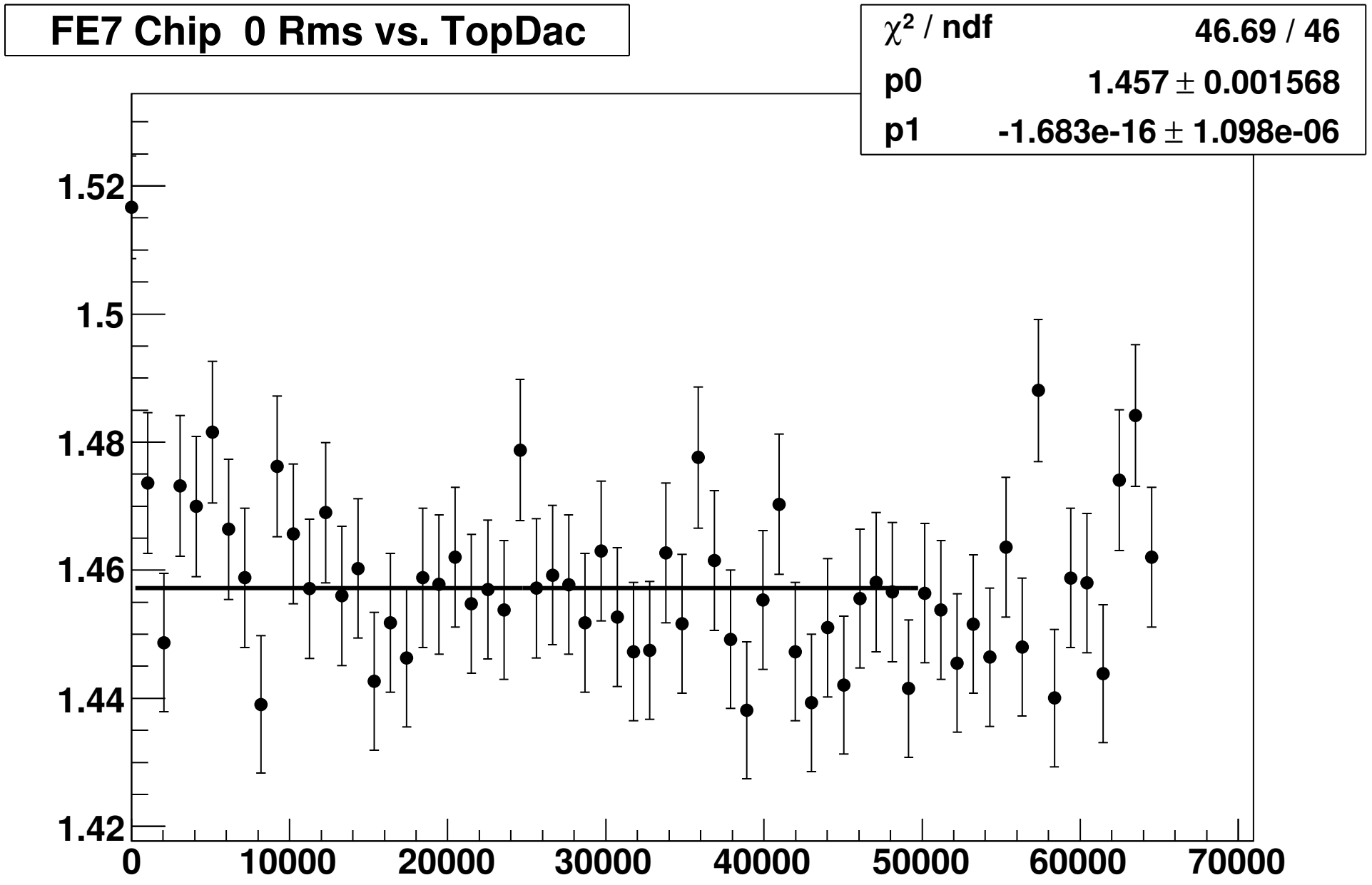
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 46.69 / 46
p0 1.457 ± 0.001568
p1 -1.683e-16 ± 1.098e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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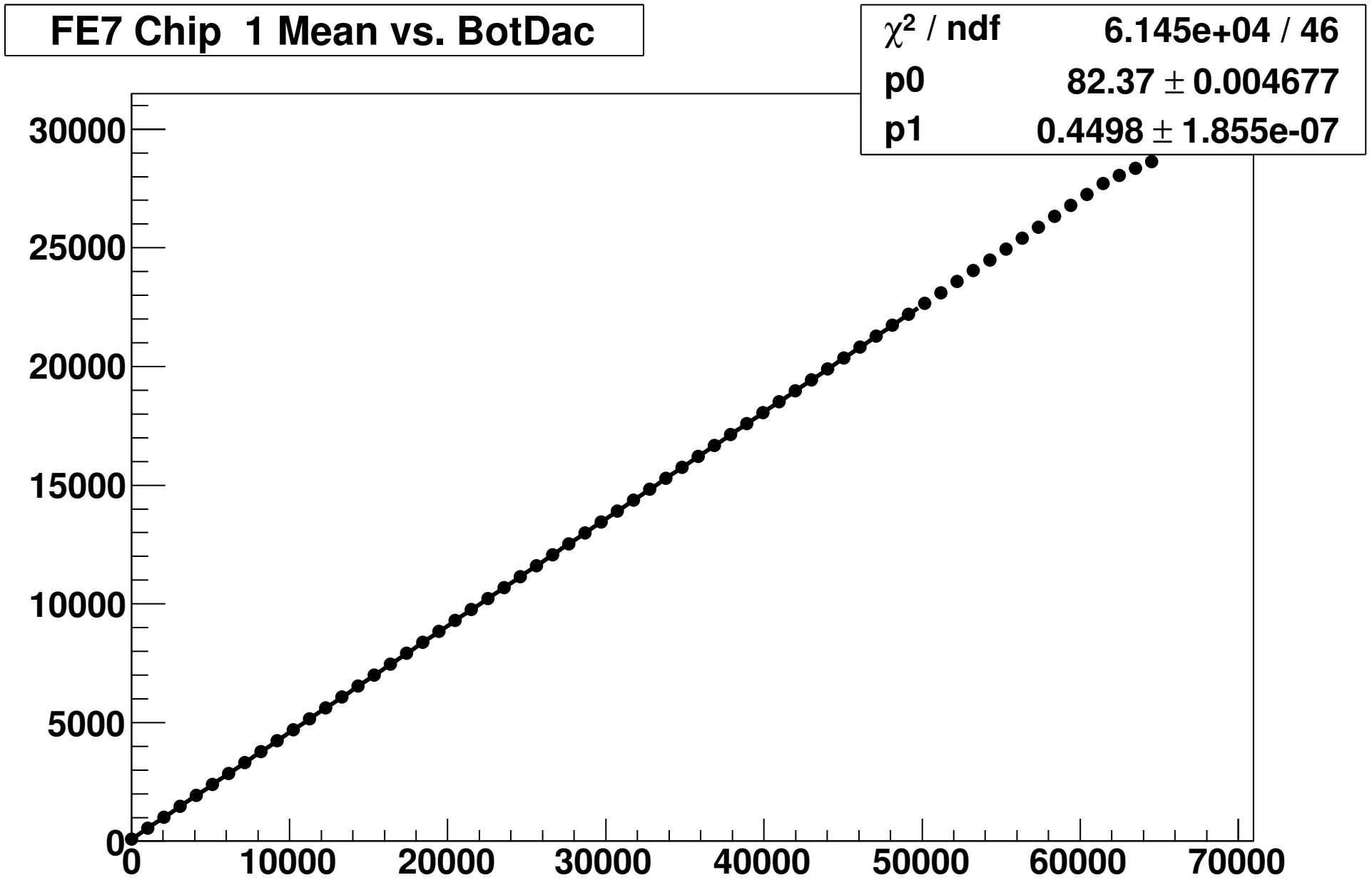
40000
50000
60000
70000


FE7 Chip 1 Mean vs. BotDac
χ² / ndf 6.145e+04 / 46
p0 82.37 ± 0.004677
p1 0.4498 ± 1.855e-07
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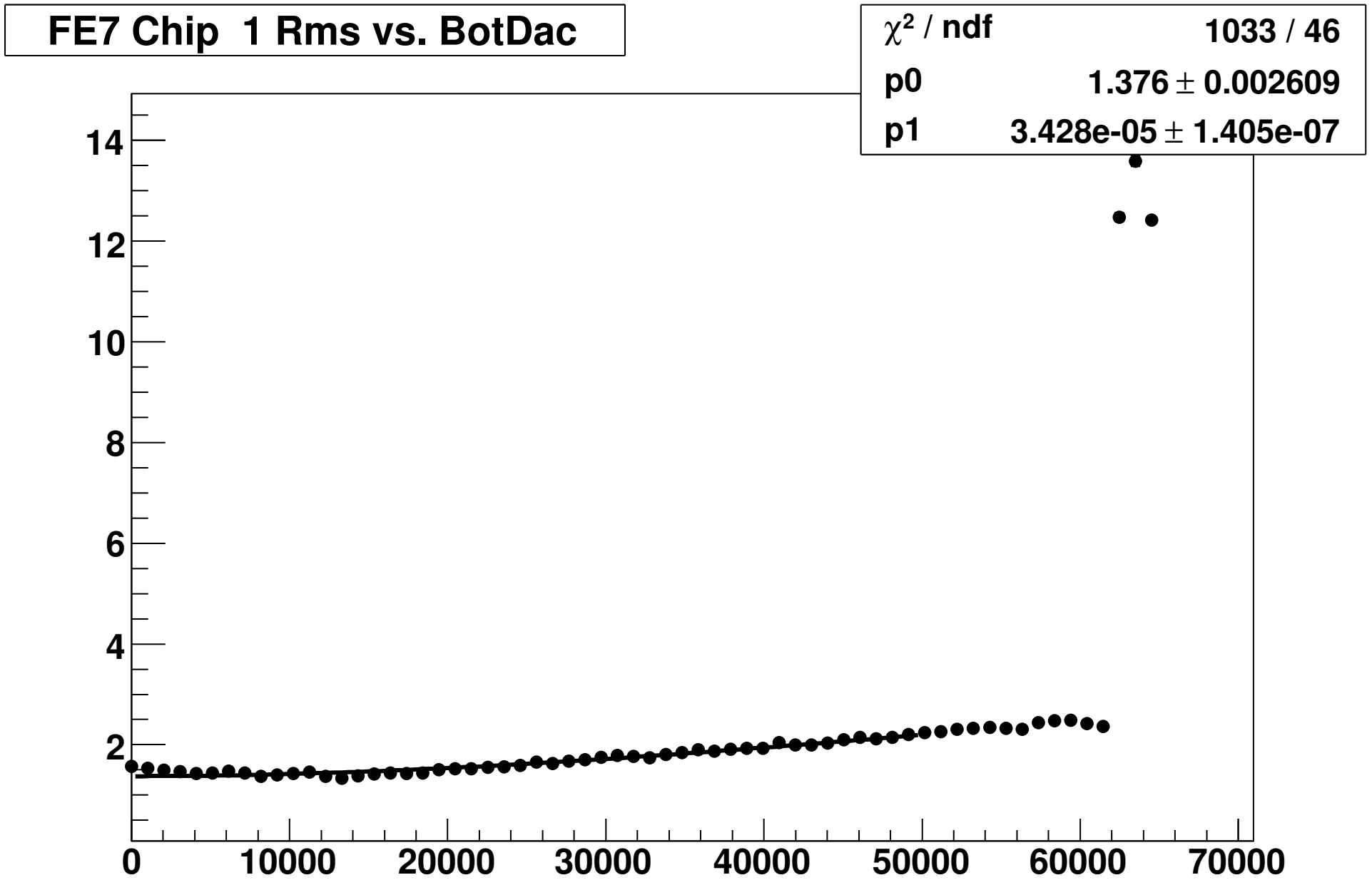
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1033 / 46
p0 1.376 ± 0.002609
p1 3.428e-05 ± 1.405e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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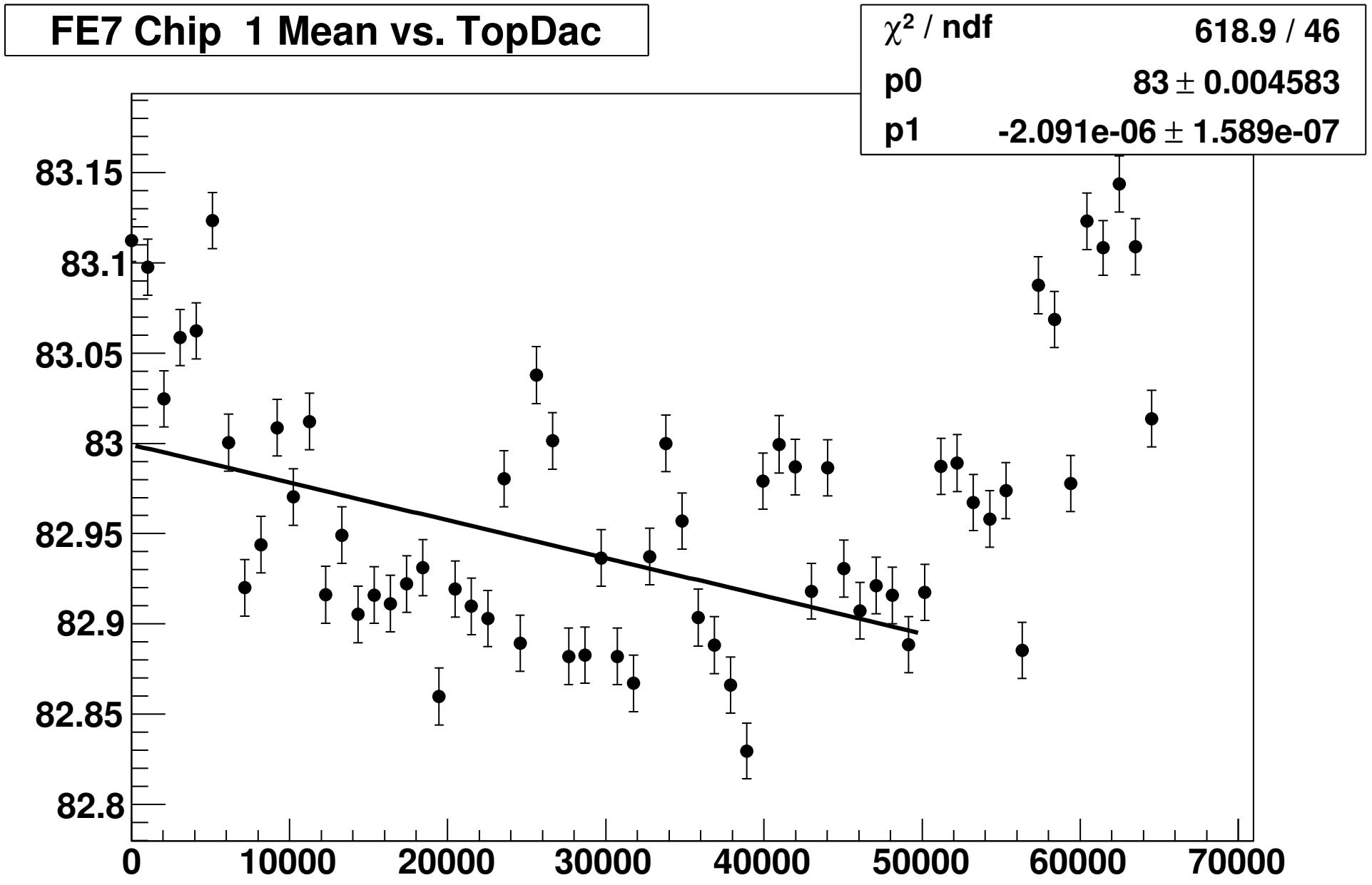
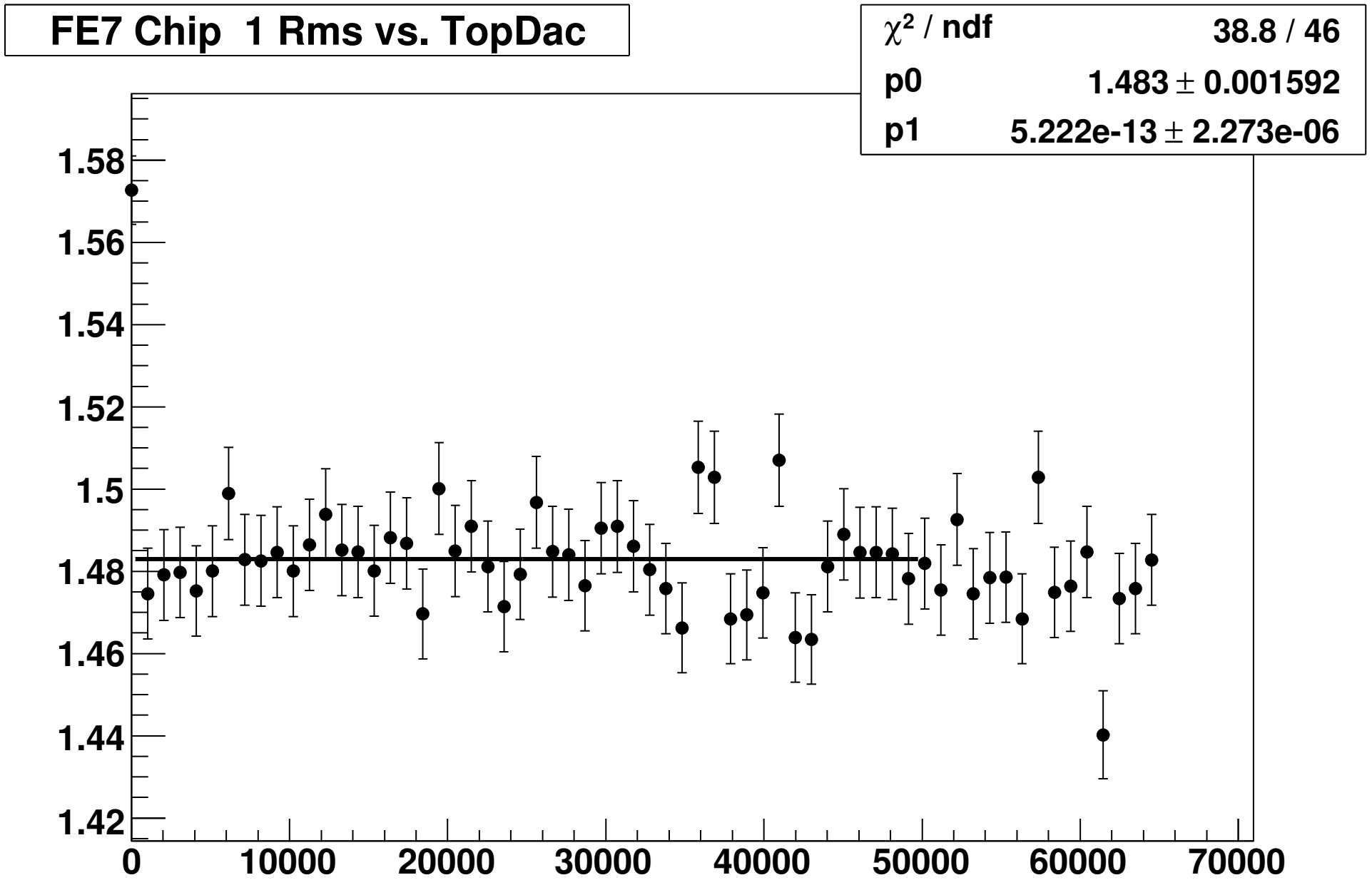

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 618.9 / 46
p0 83 ± 0.004583
p1 -2.091e-06 ± 1.589e-07
83.15
83.1
83.05
83
82.95
82.9
82.85
82.8
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 38.8 / 46
p0 1.483 ± 0.001592
p1 5.222e-13 ± 2.273e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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50000
60000
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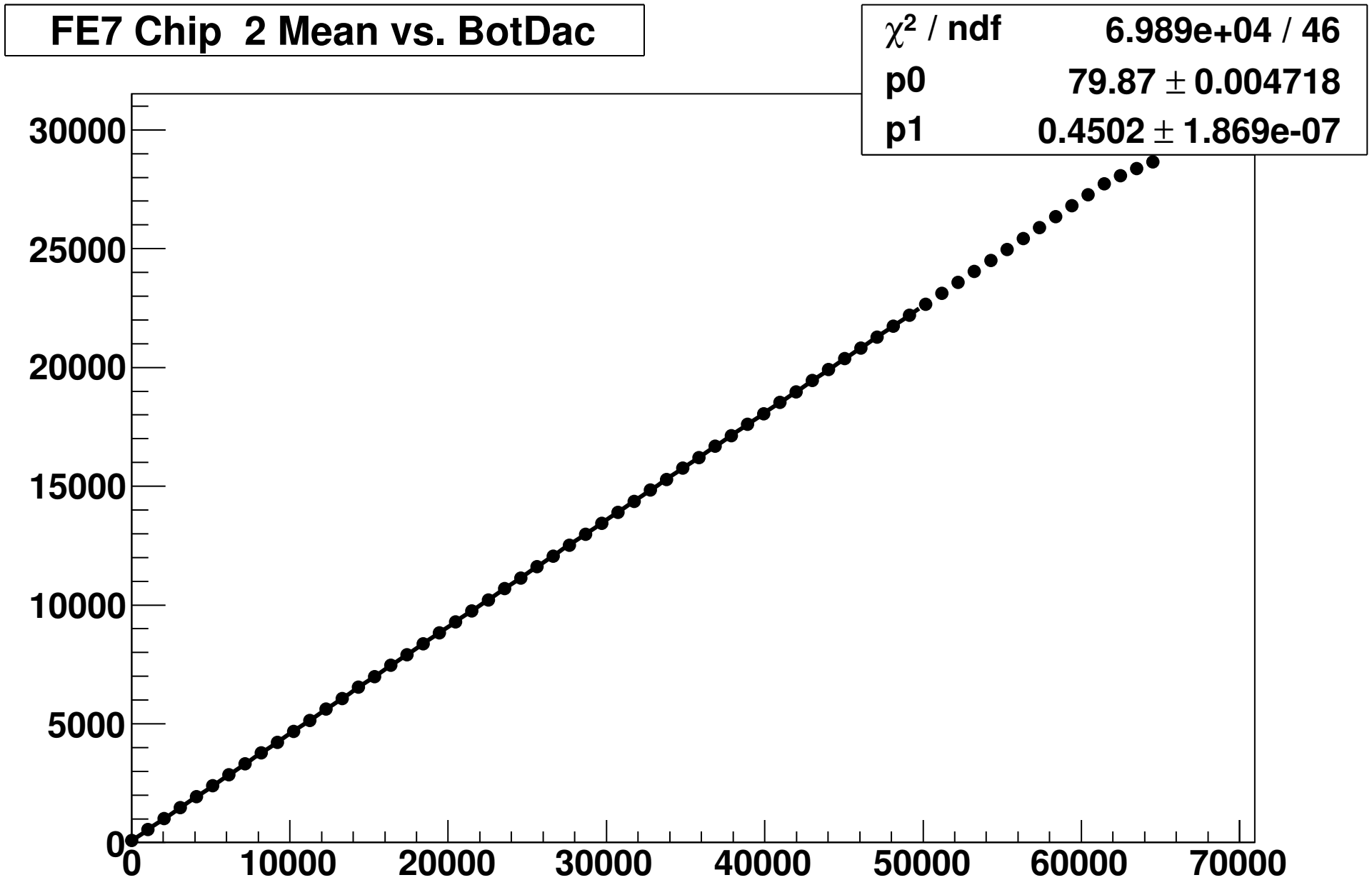
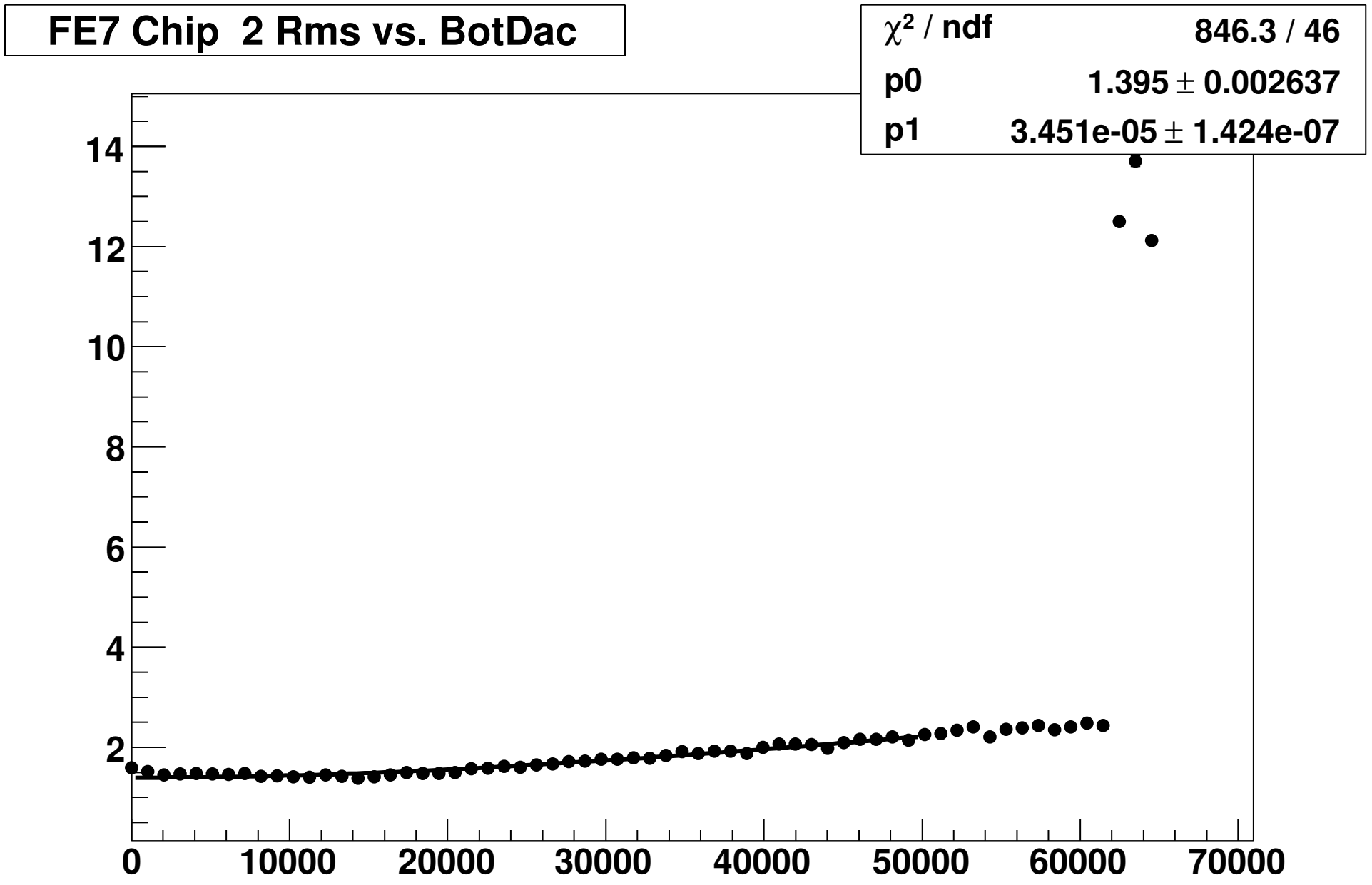
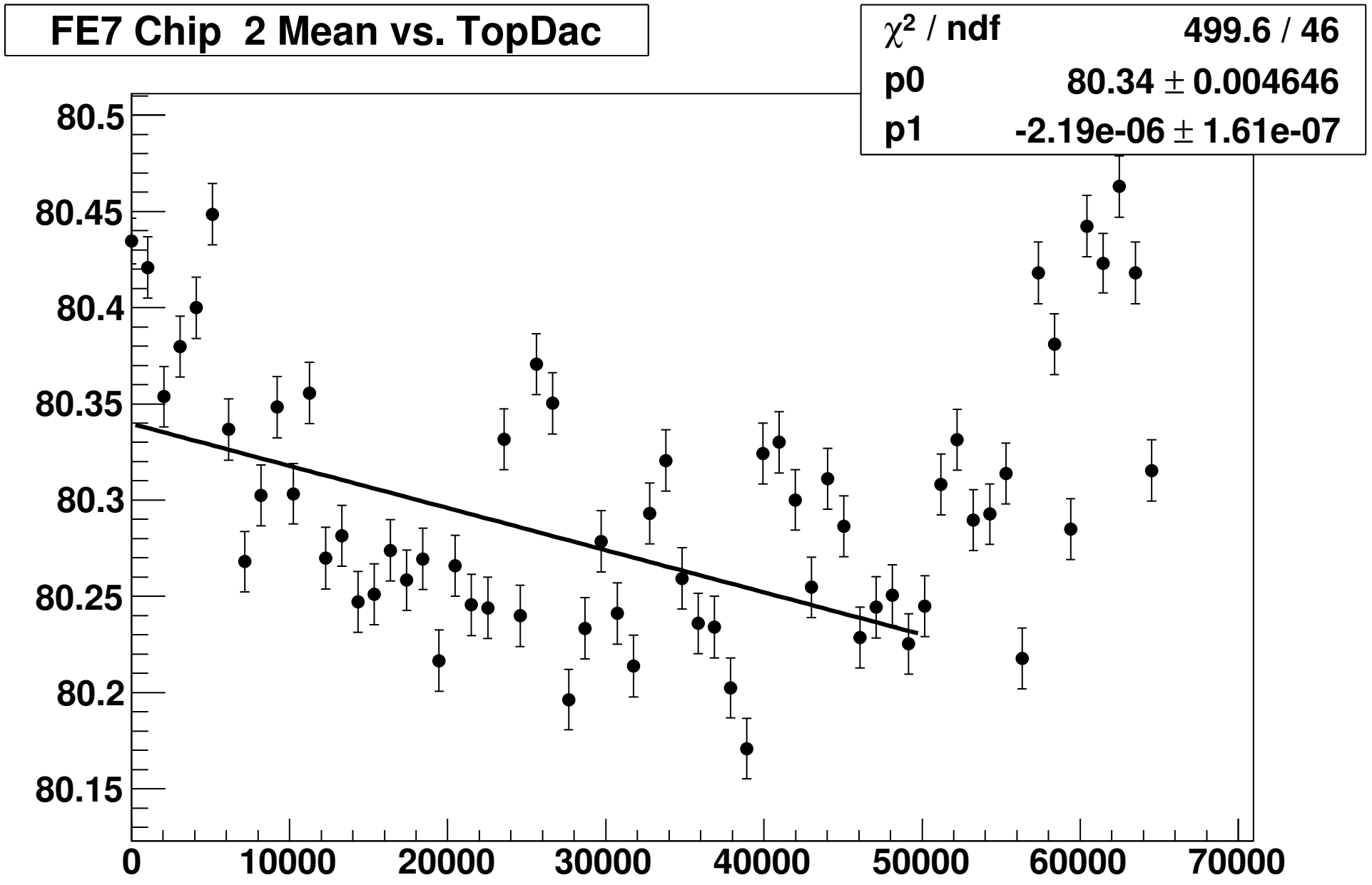
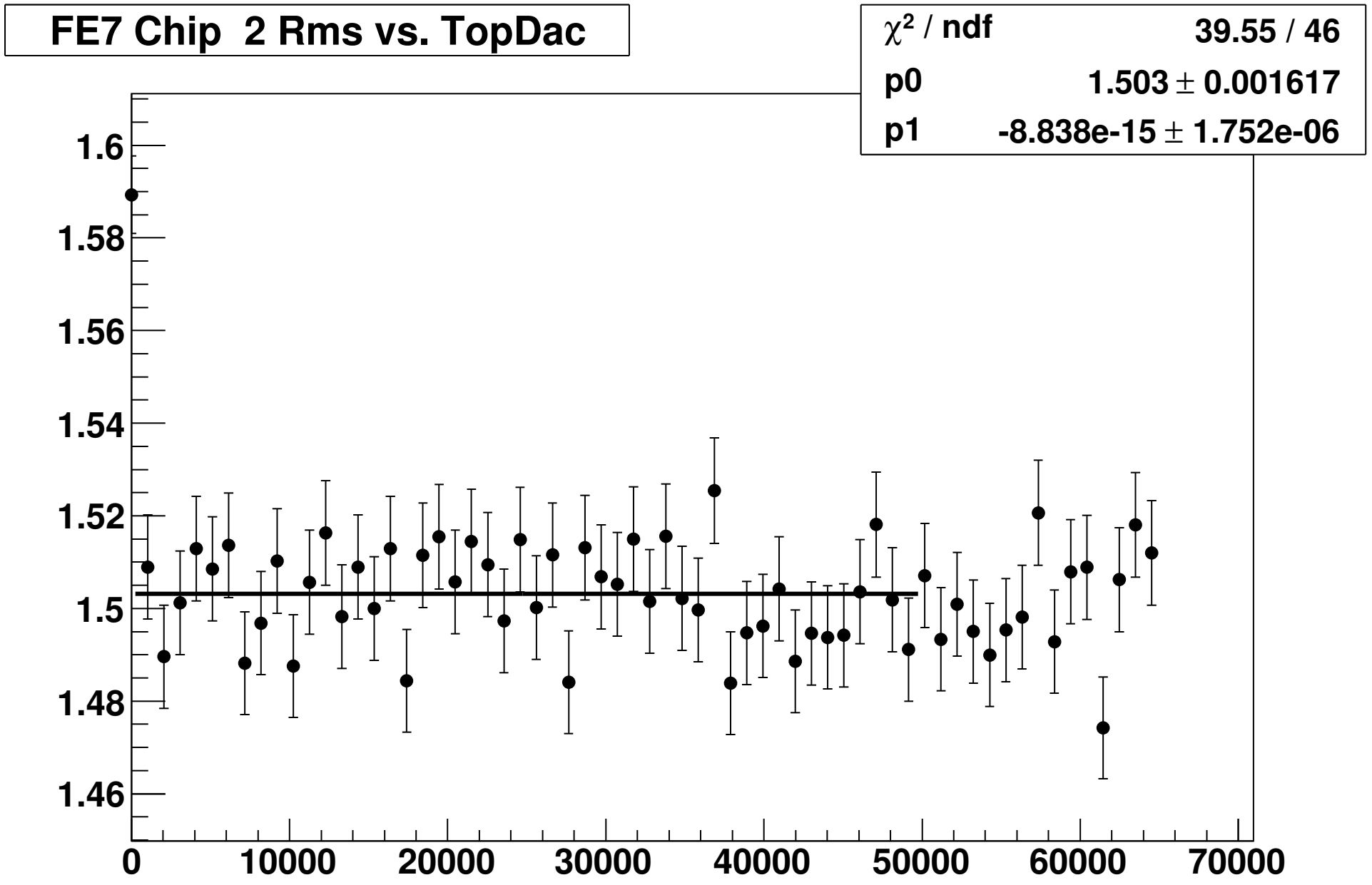
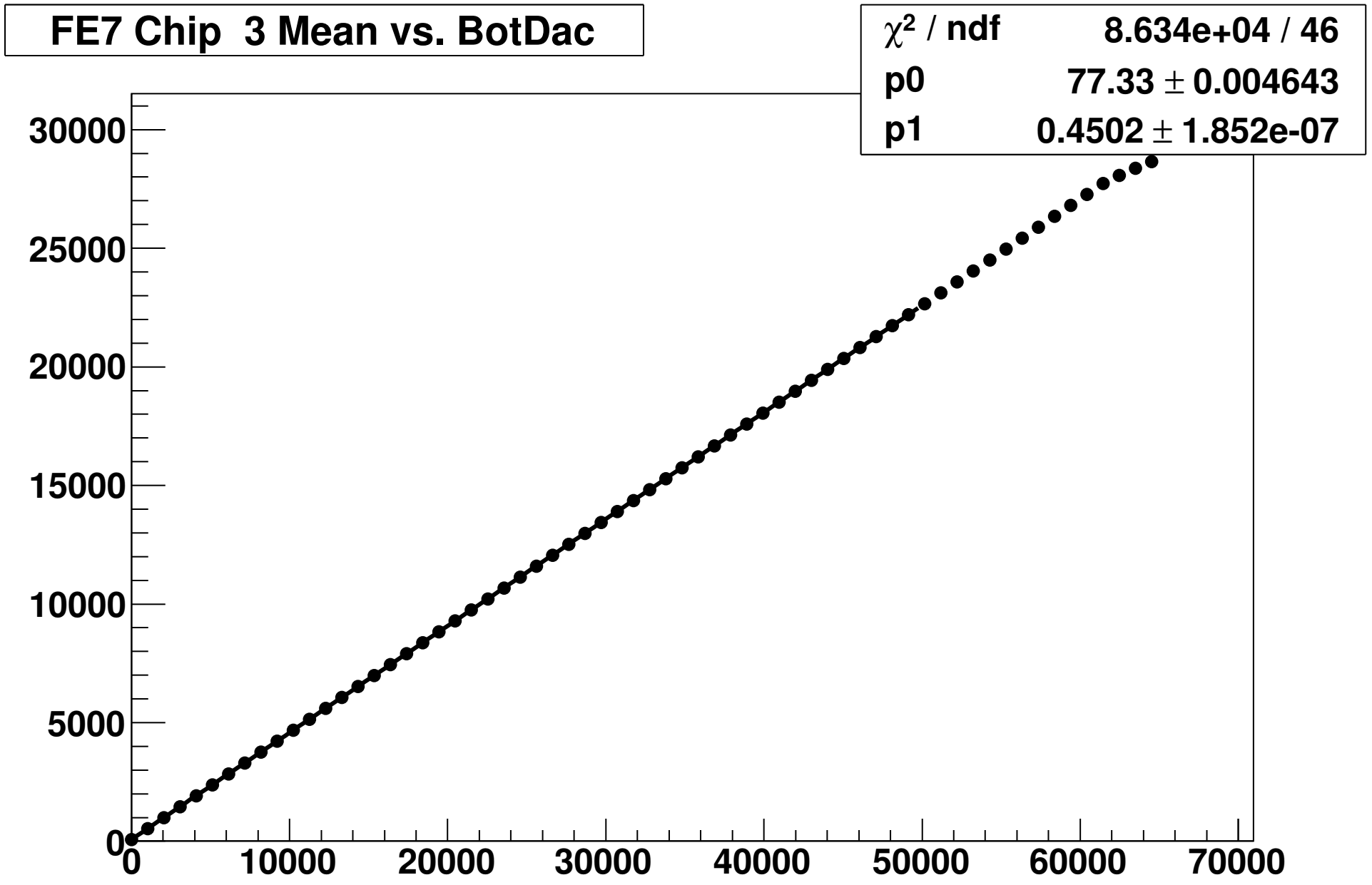

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 6.989e+04 / 46
p0 79.87 ± 0.004718
p1 0.4502 ± 1.869e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 846.3 / 46
p0 1.395 ± 0.002637
p1 3.451e-05 ± 1.424e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 499.6 / 46
p0 80.34 ± 0.004646
p1 -2.19e-06 ± 1.61e-07
80.5
80.45
80.4
80.35
80.3
80.25
80.2
80.15
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 39.55 / 46
p0 1.503 ± 0.001617
p1 -8.838e-15 ± 1.752e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 8.634e+04 / 46
p0 77.33 ± 0.004643
p1 0.4502 ± 1.852e-07
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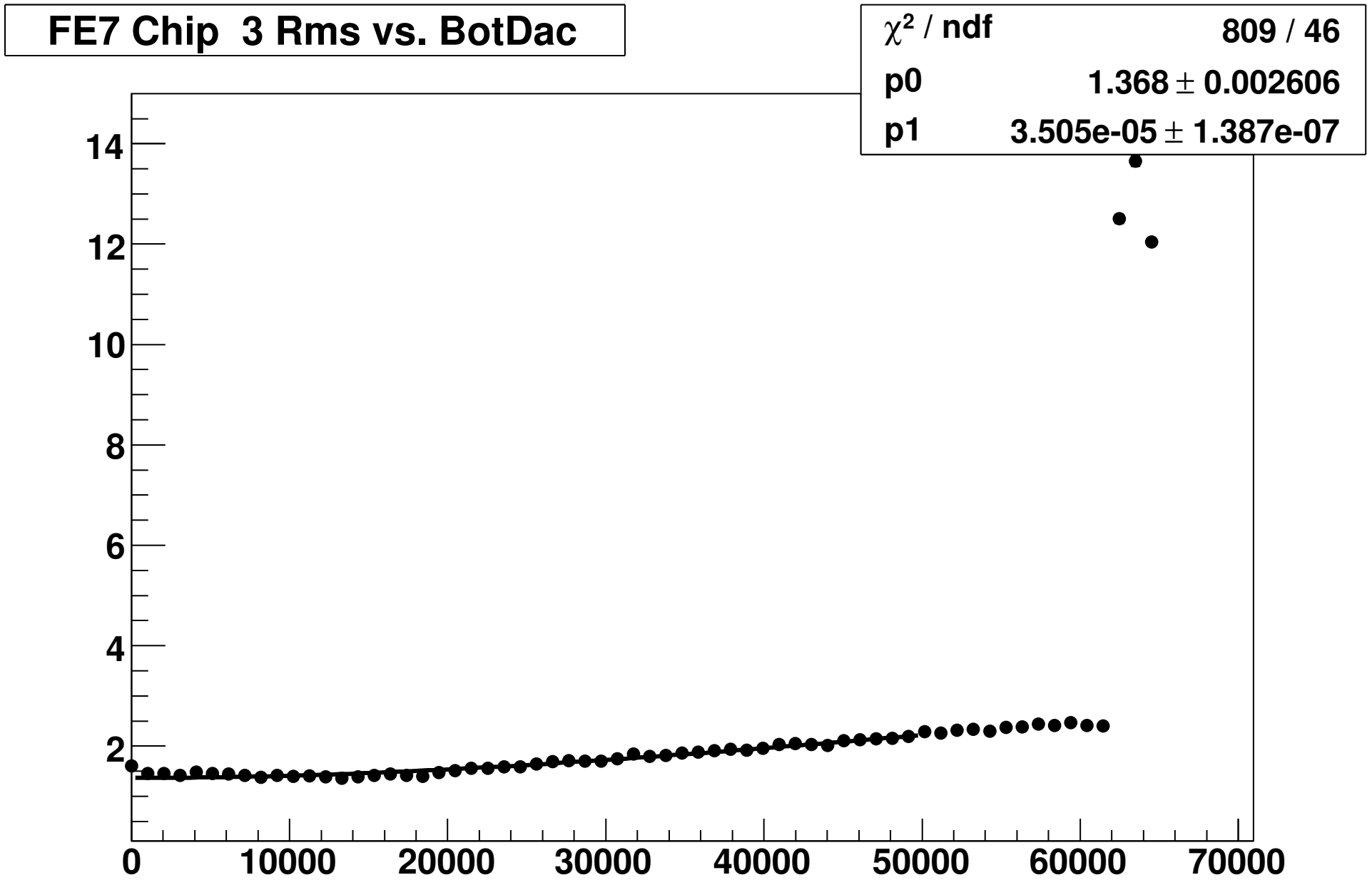
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 809 / 46
p0 1.368 ± 0.002606
p1 3.505e-05 ± 1.387e-07
14
12
10
8
6
4
2
0
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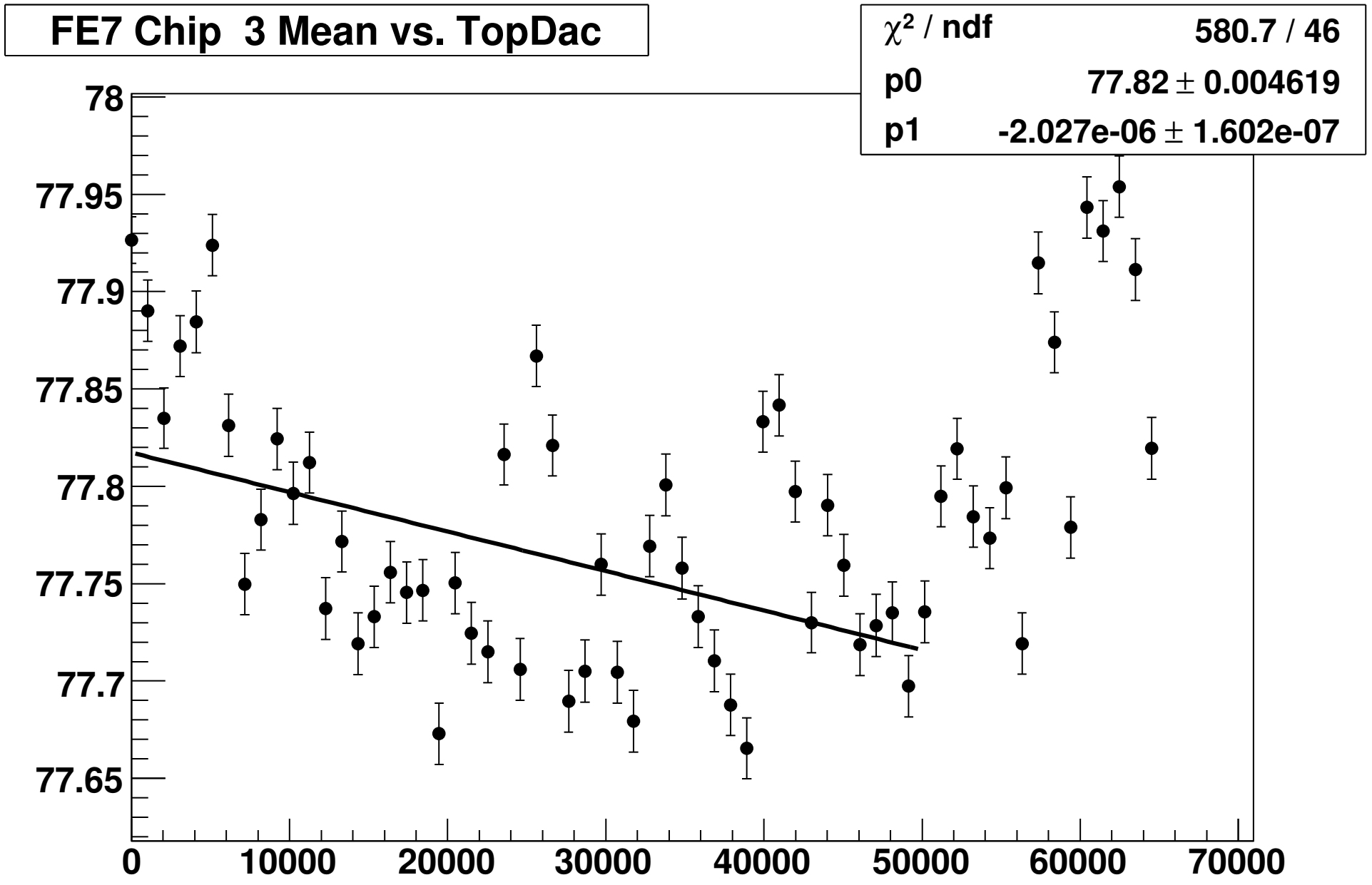
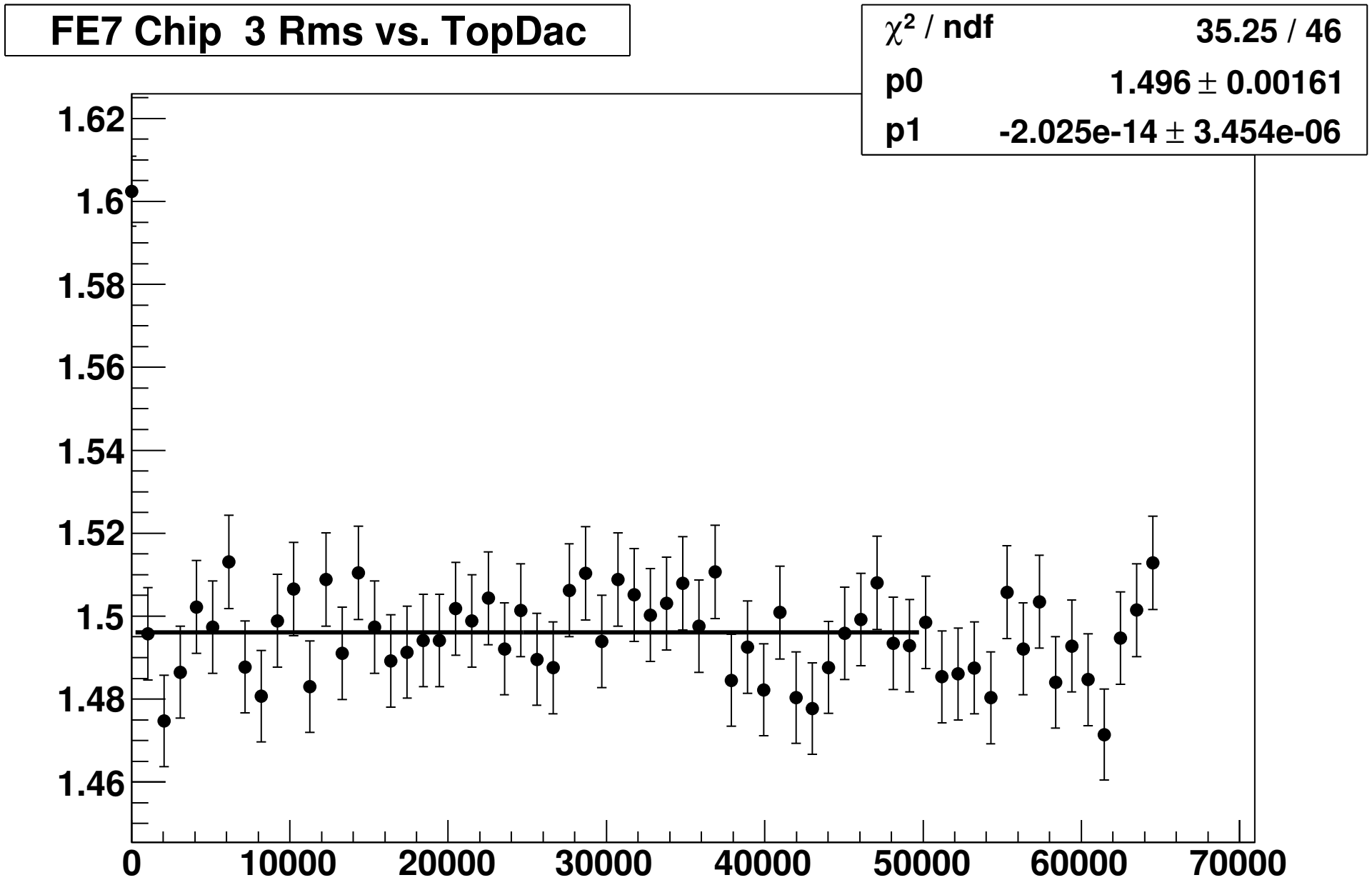
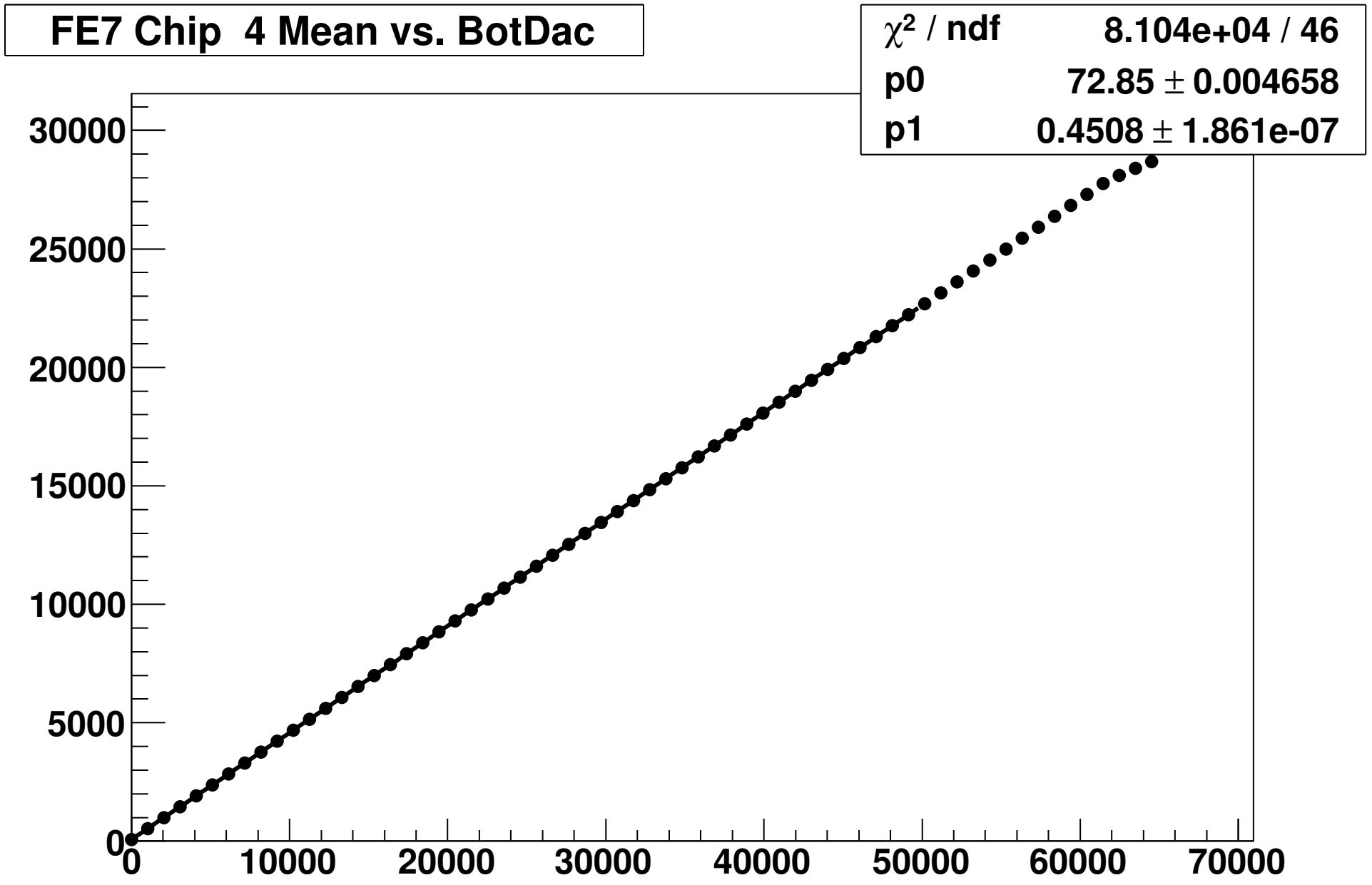
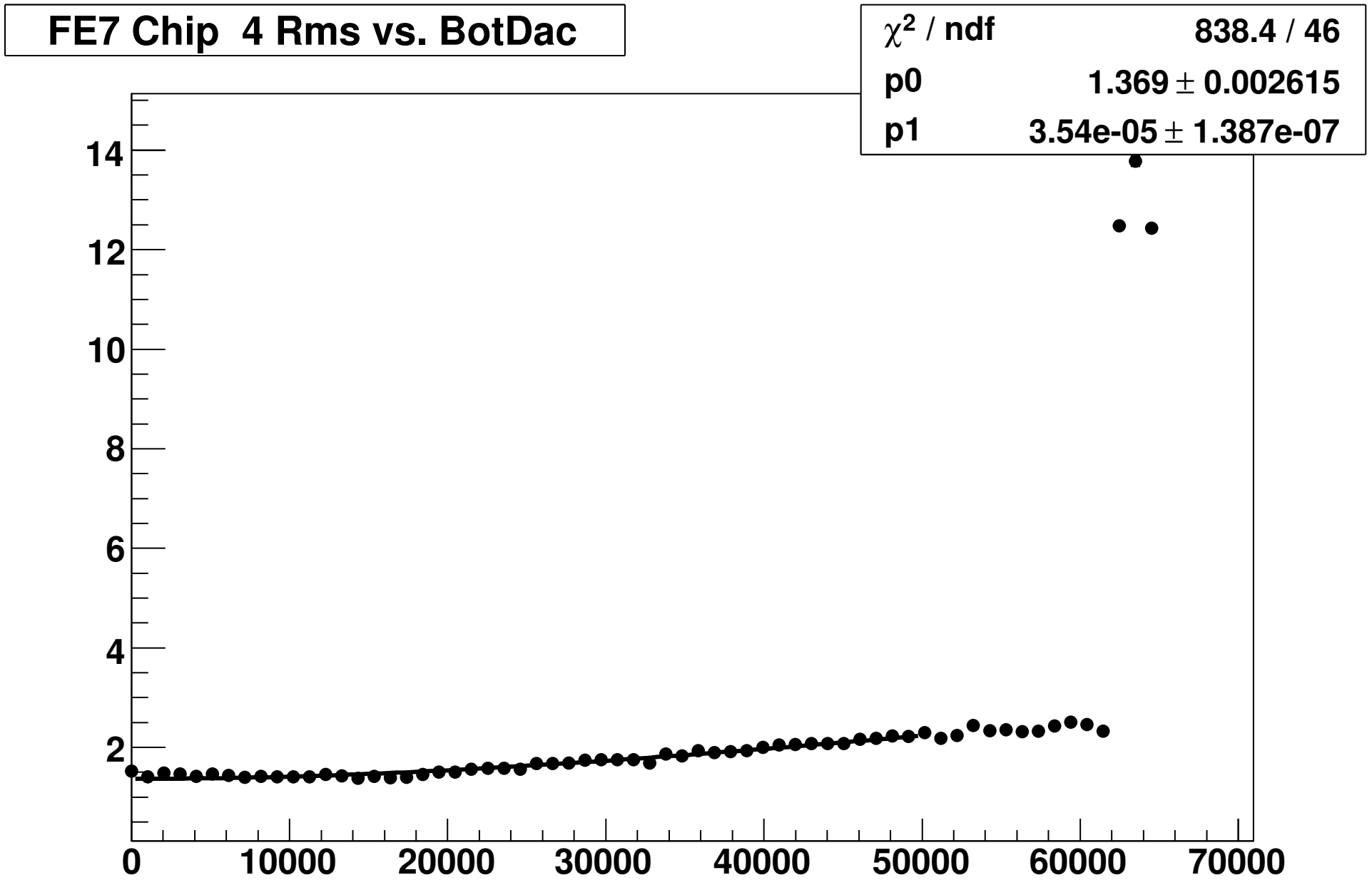
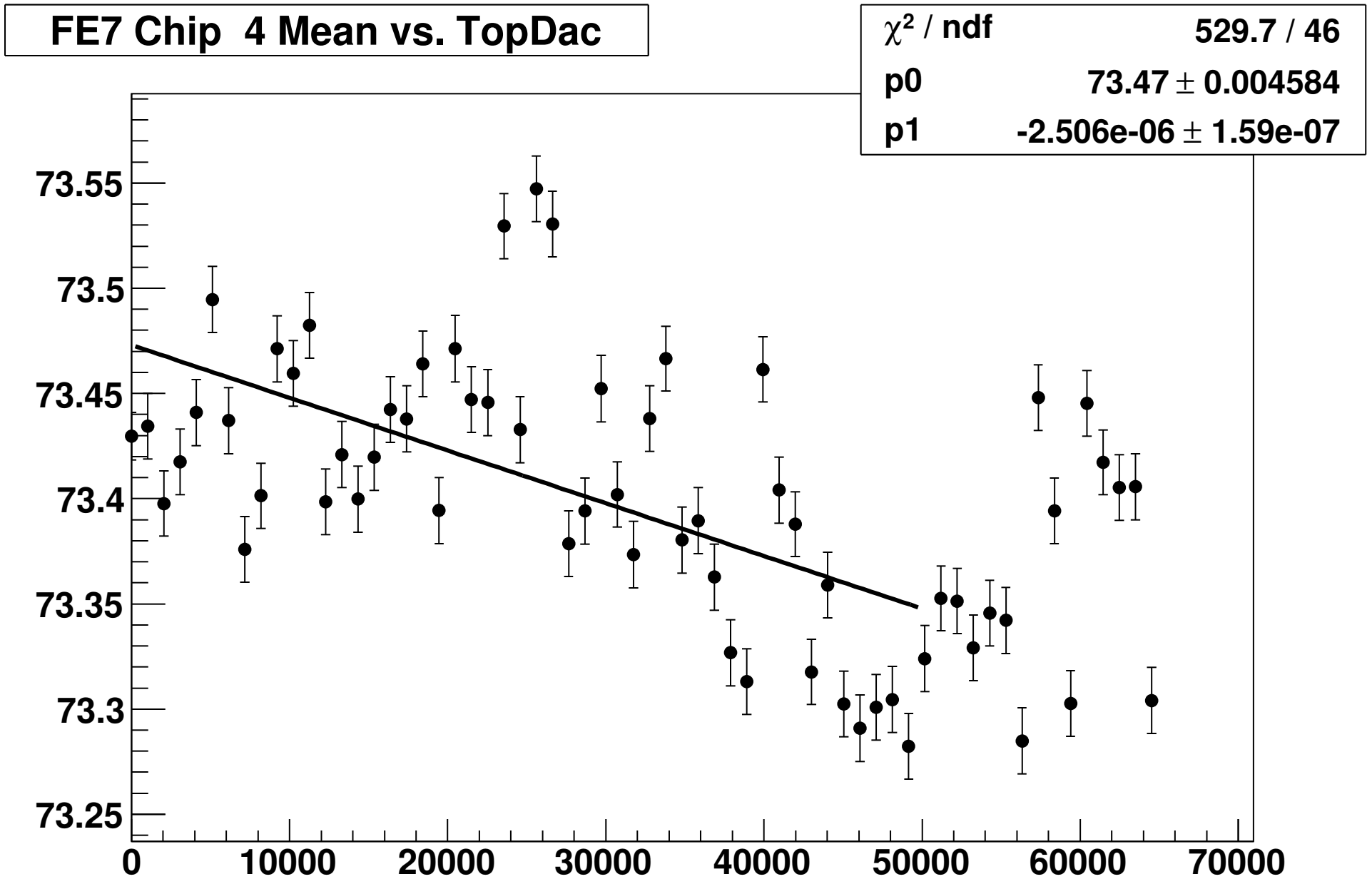
20000
30000
40000
50000
60000
70000

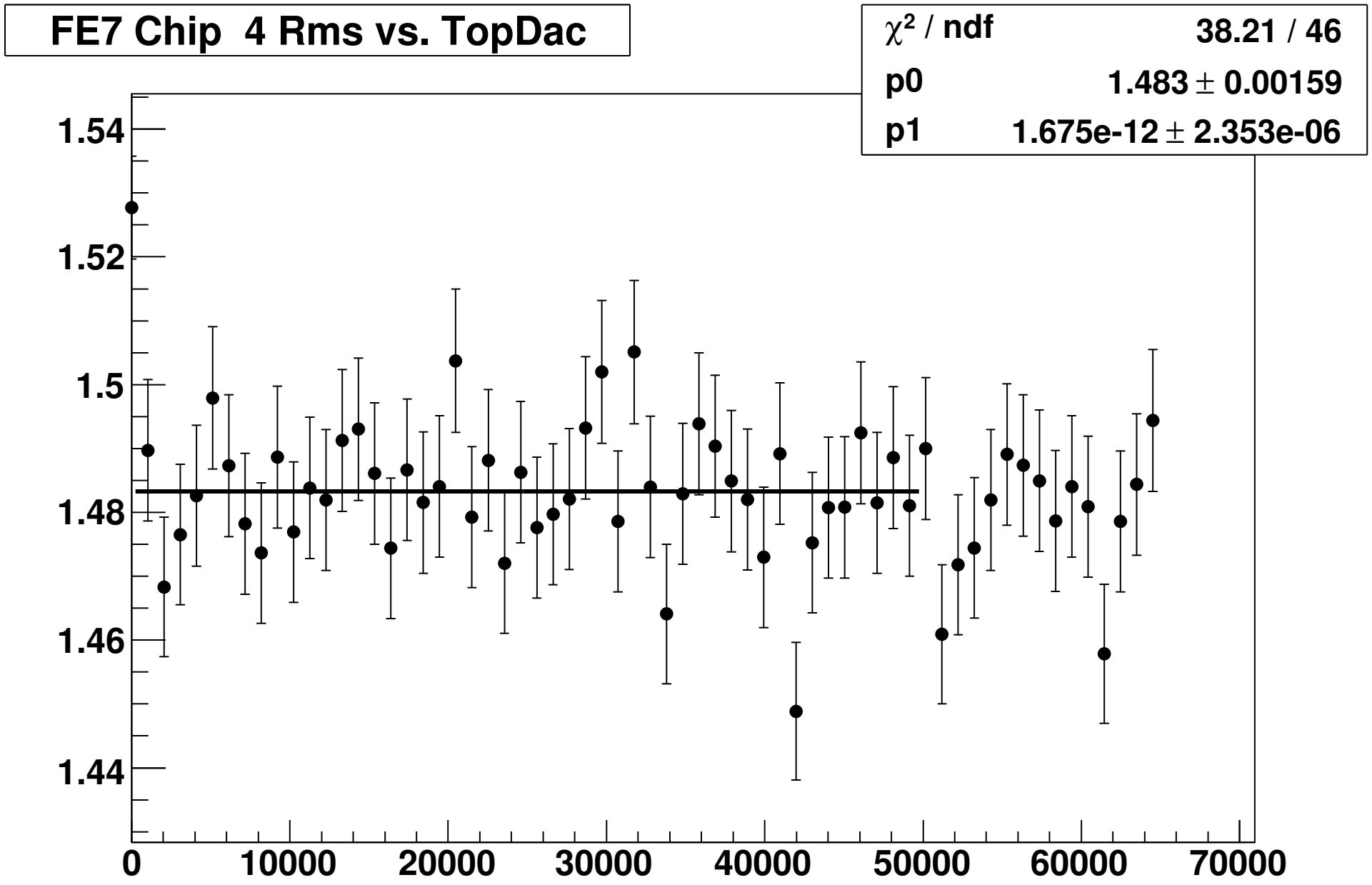

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 580.7 / 46
p0 77.82 ± 0.004619
p1 -2.027e-06 ± 1.602e-07
78
77.95
77.9
77.85
77.8
77.75
77.7
77.65
0
10000
20000
30000
40000
50000
60000
70000

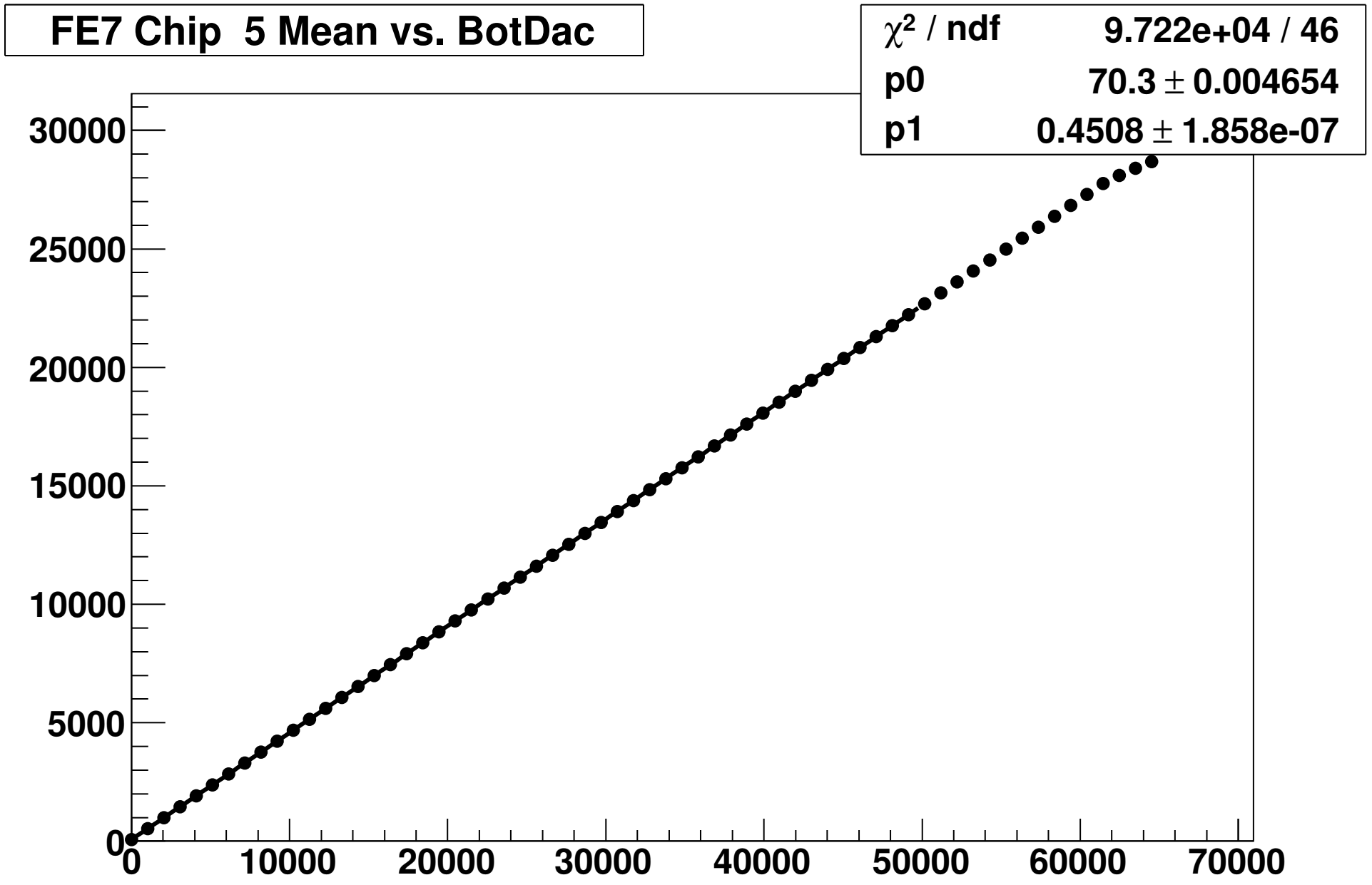

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 35.25 / 46
p0 1.496 ± 0.00161
p1 -2.025e-14 ± 3.454e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

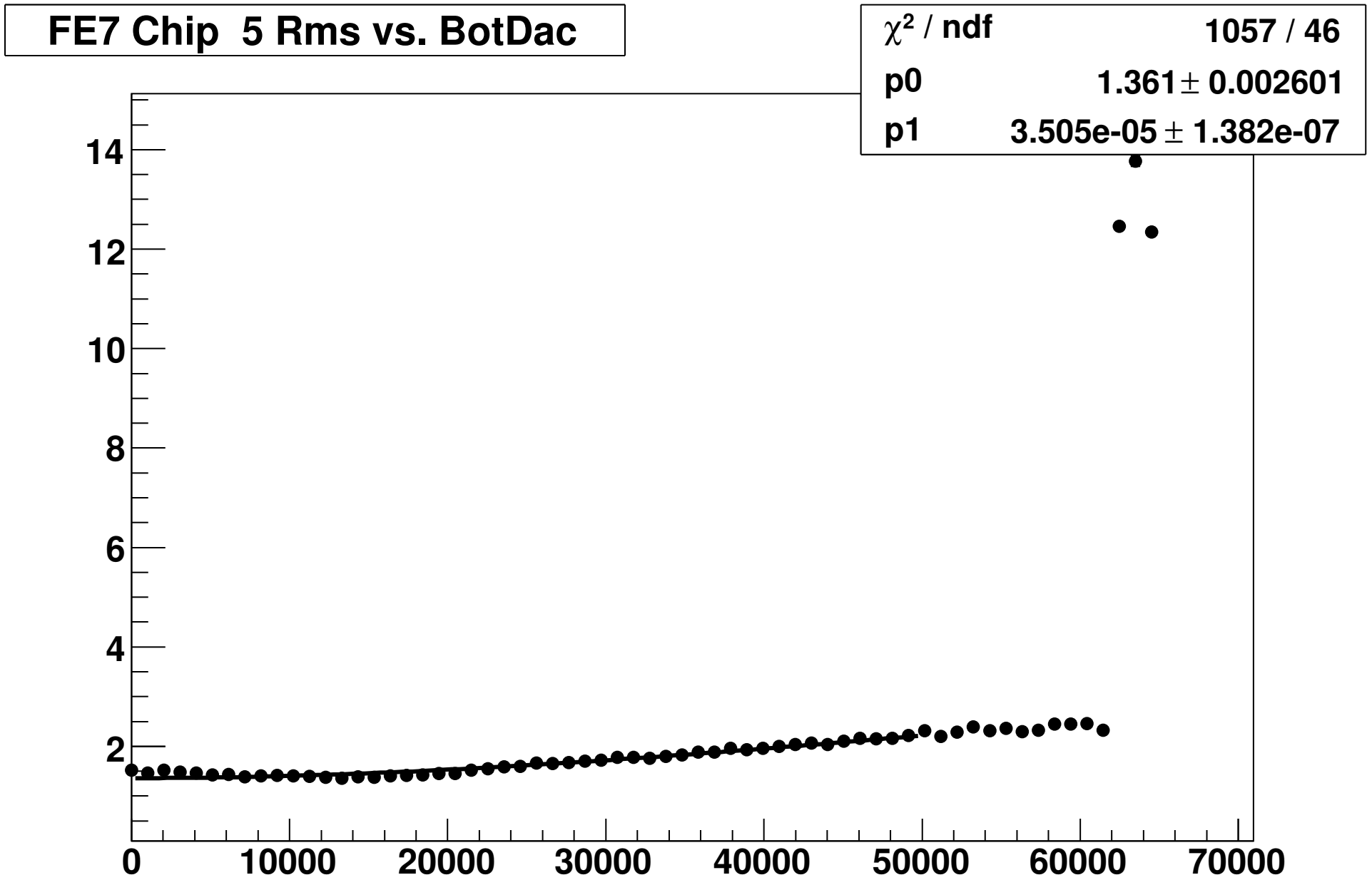

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 8.104e+04 / 46
p0 72.85 ± 0.004658
p1 0.4508 ± 1.861e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

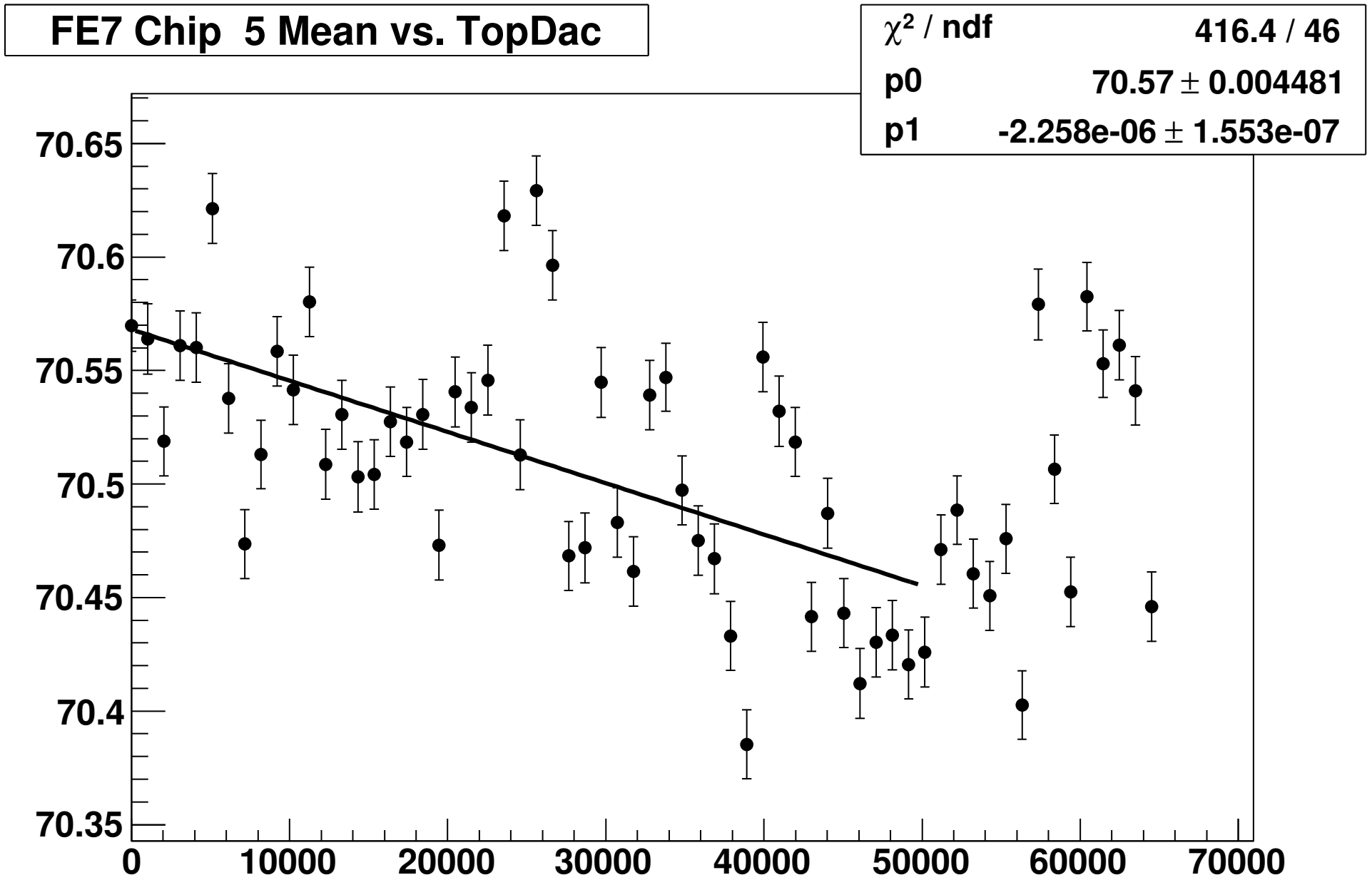

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 838.4 / 46
p0 1.369 ± 0.002615
p1 3.54e-05 ± 1.387e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

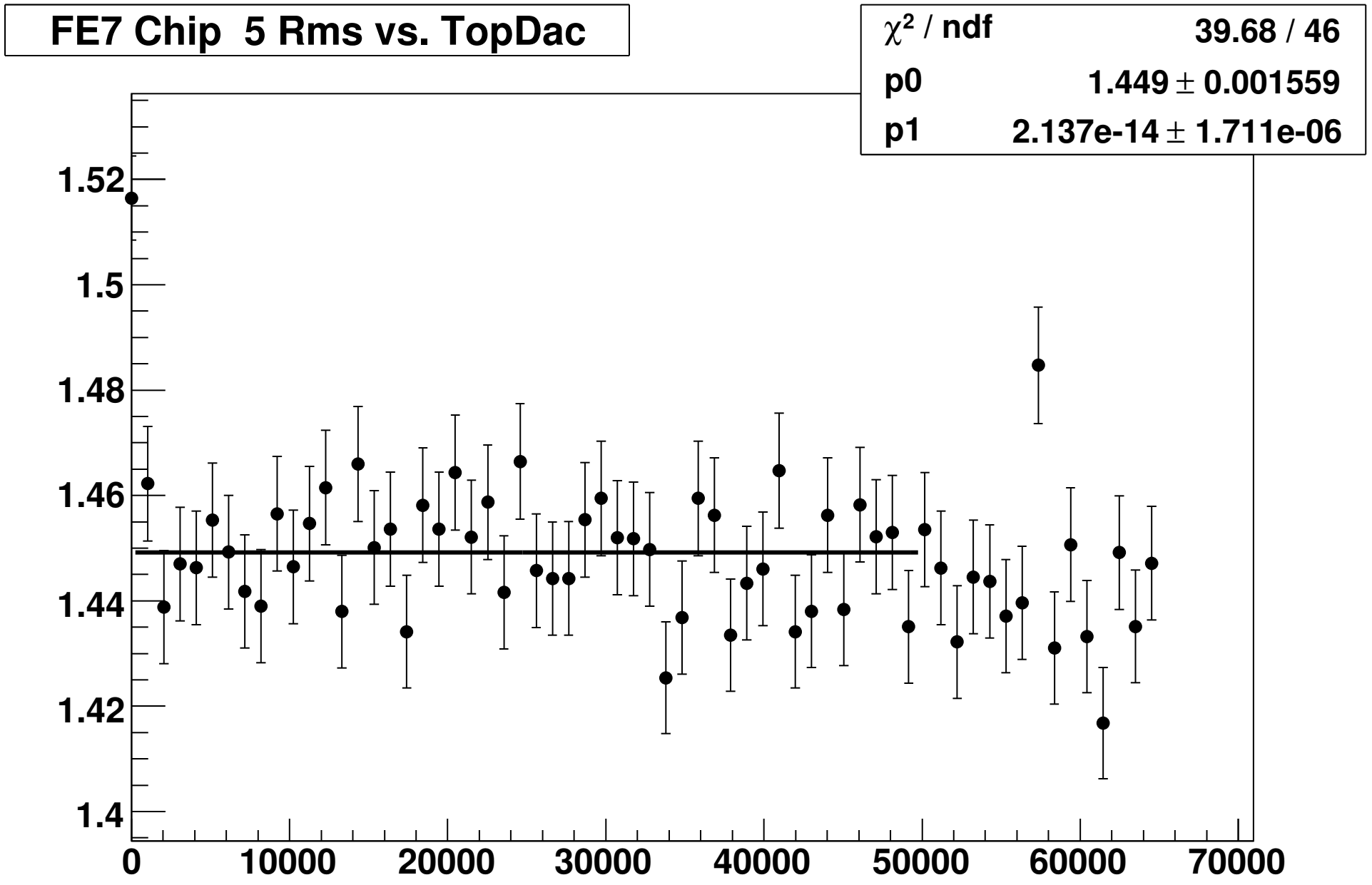

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 529.7 / 46
p0 73.47 ± 0.004584
p1 -2.506e-06 ± 1.59e-07
73.55
73.5
73.45
73.4
73.35
73.3
73.25
0
10000
20000
30000
40000
50000
60000
70000

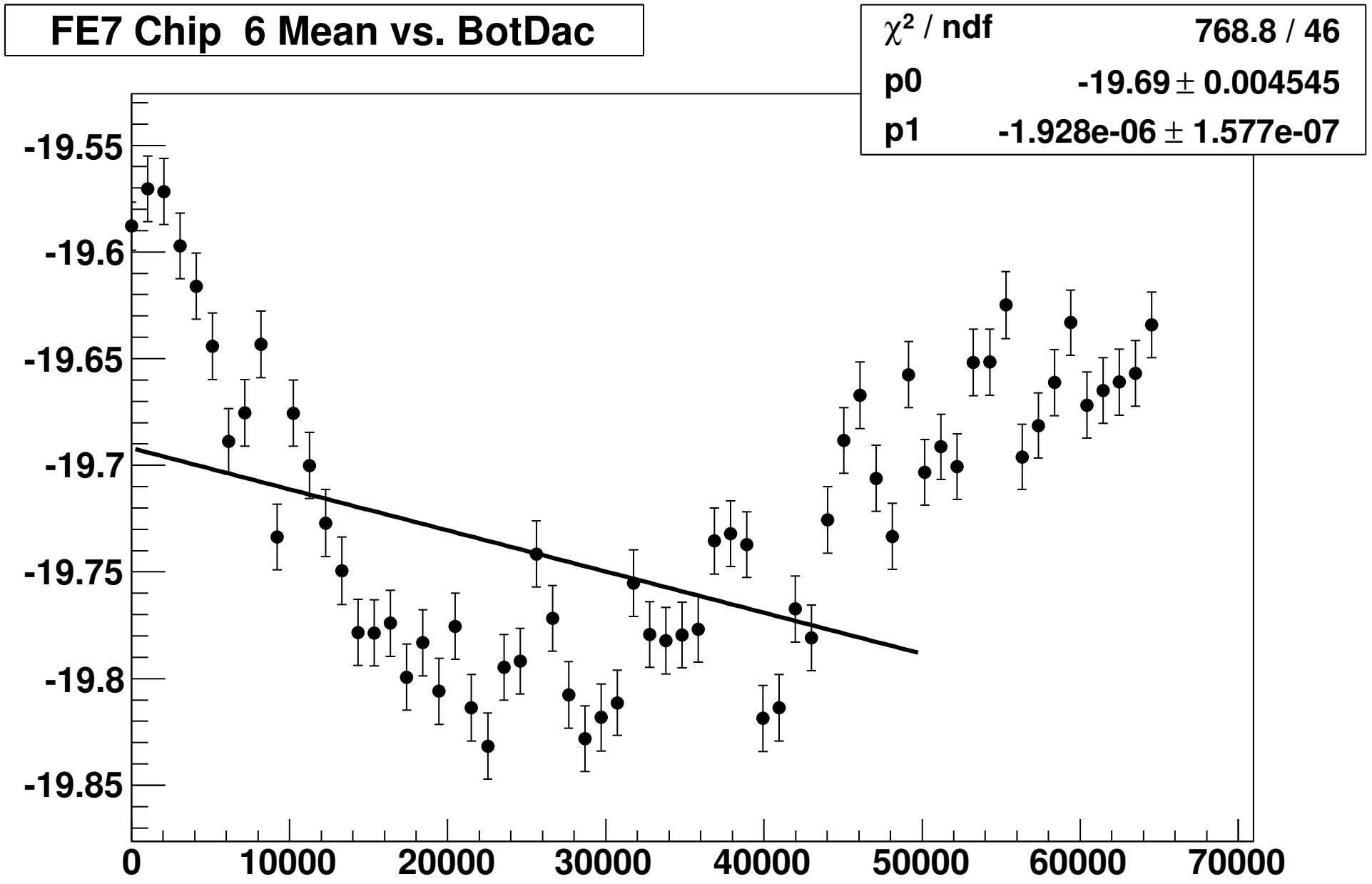

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 38.21 / 46
p0 1.483 ± 0.00159
p1 1.675e-12 ± 2.353e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

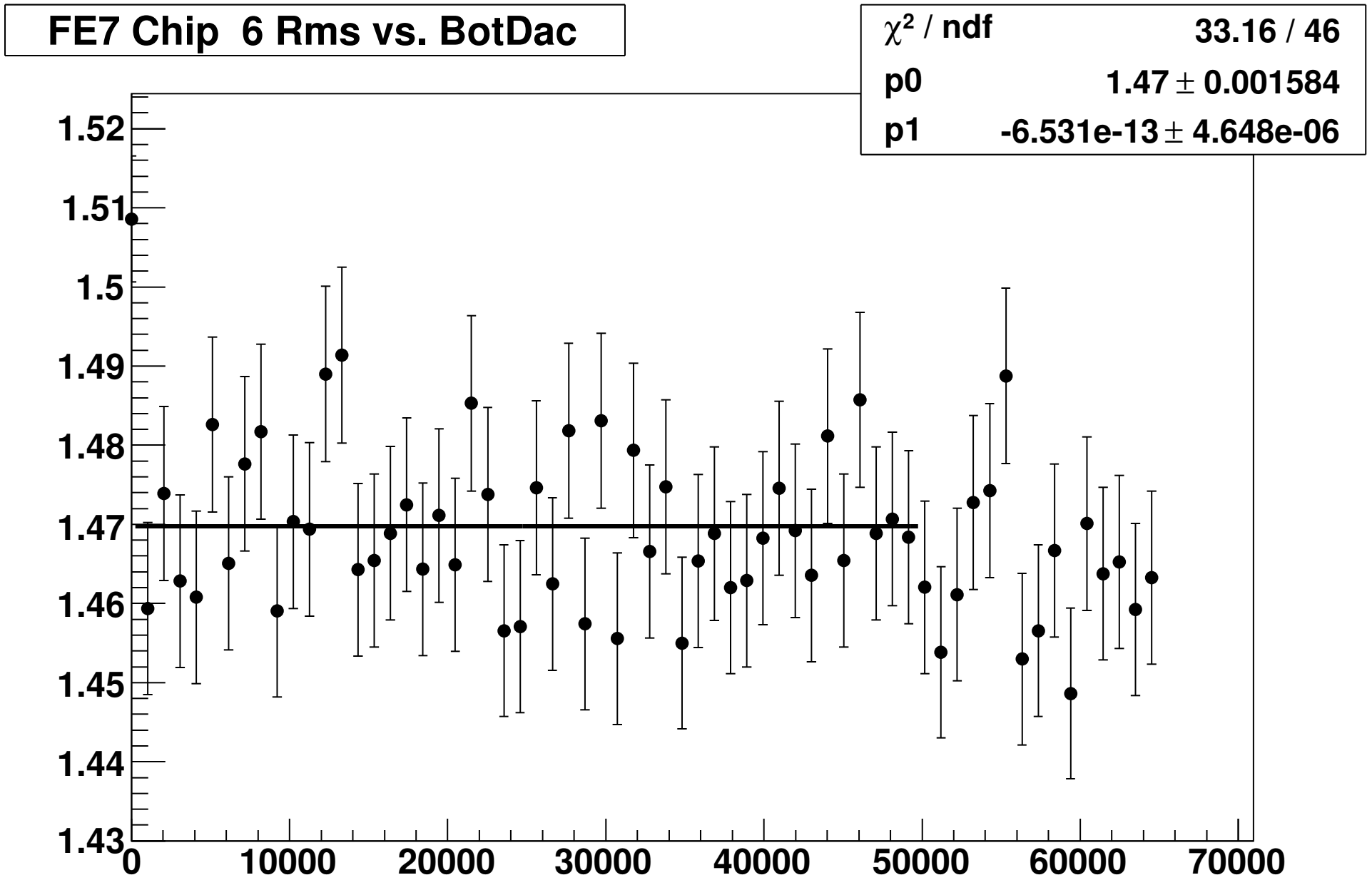

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 9.722e+04 / 46
p0 70.3 ± 0.004654
p1 0.4508 ± 1.858e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

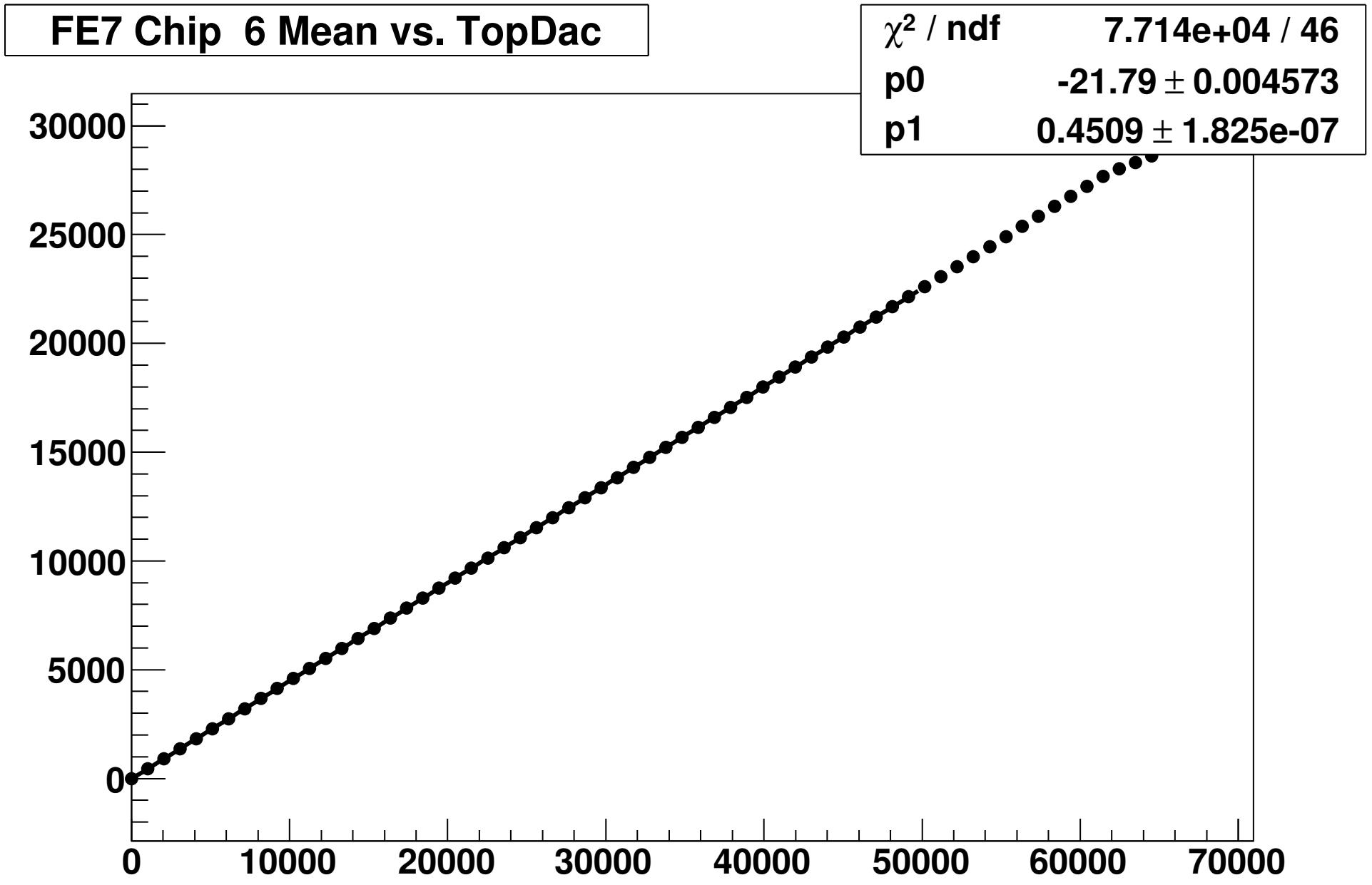

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 1057 / 46
p0 1.361 ± 0.002601
p1 3.505e-05 ± 1.382e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

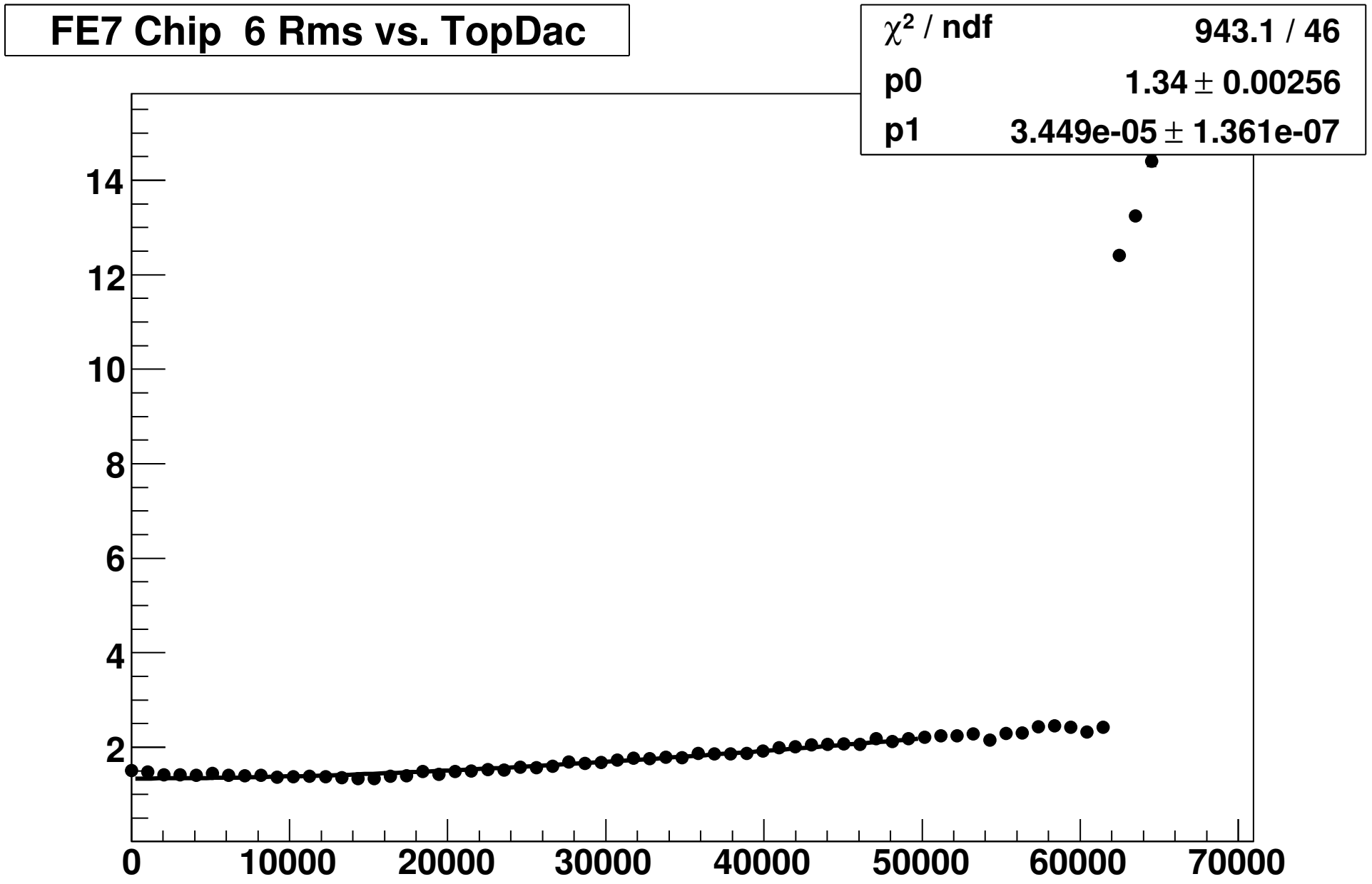

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 416.4 / 46
p0 70.57 ± 0.004481
p1 -2.258e-06 ± 1.553e-07
70.65
70.6
70.55
70.5
70.45
70.4
70.35
0
10000
20000
30000
40000
50000
60000
70000

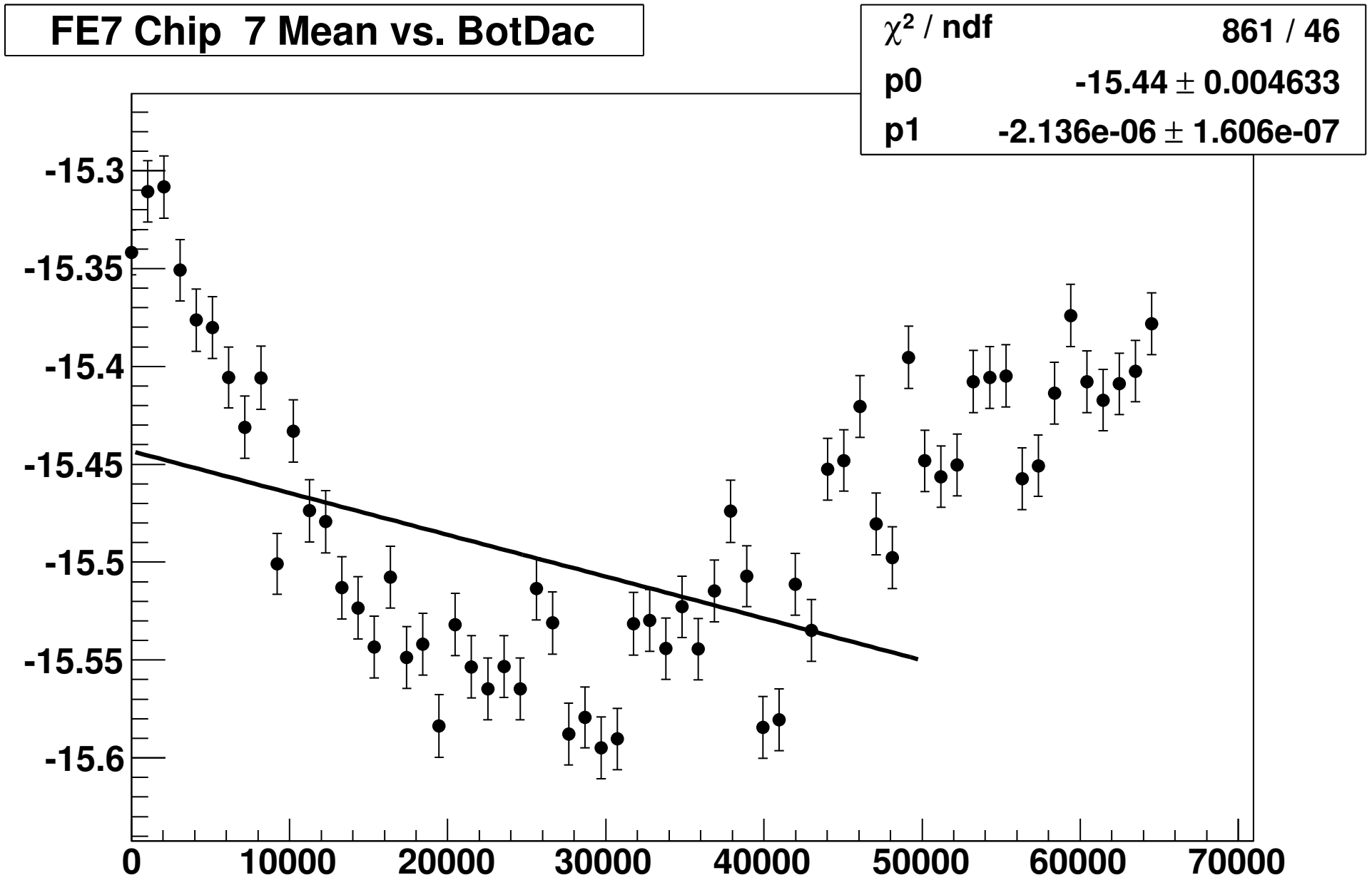

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 39.68 / 46
p0 1.449 ± 0.001559
p1 2.137e-14 ± 1.711e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

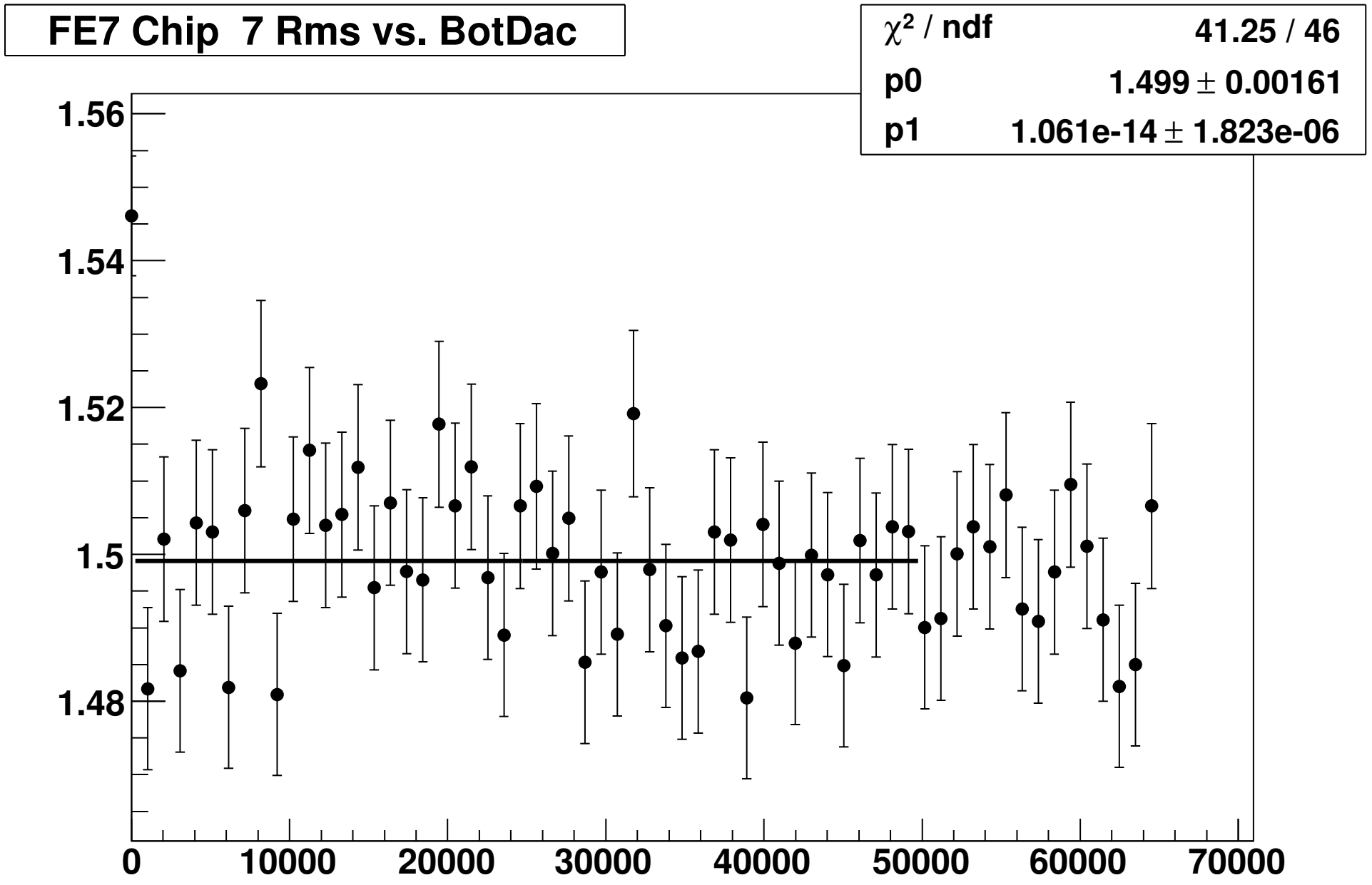

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 768.8 / 46
p0 -19.69 ± 0.004545
p1 -1.928e-06 ± 1.577e-07
-19.55
-19.6
-19.65
-19.7
-19.75
-19.8
-19.85
0
10000
20000
30000
40000
50000
60000
70000

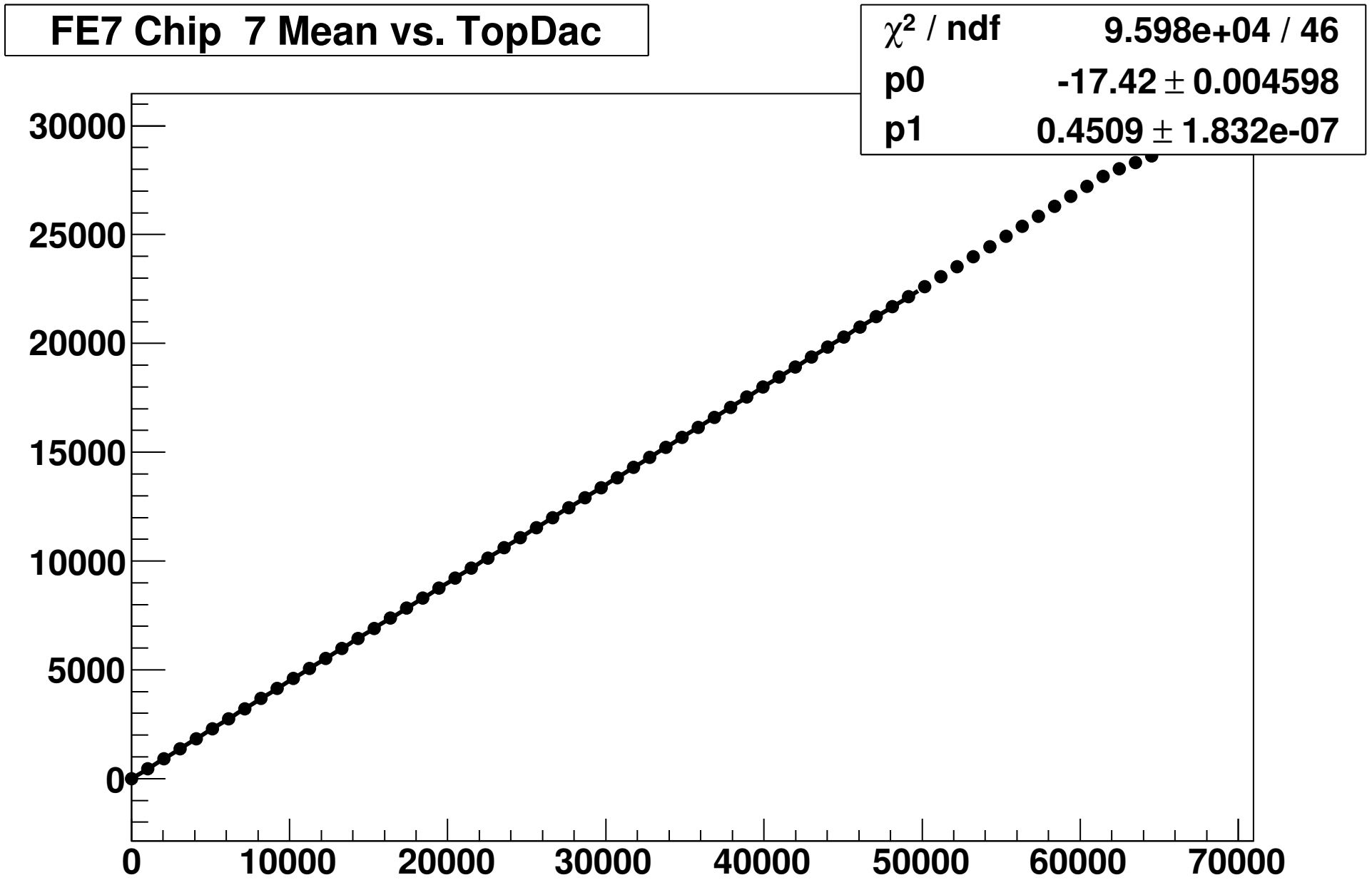

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 33.16 / 46
p0 1.47 ± 0.001584
p1 -6.531e-13 ± 4.648e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

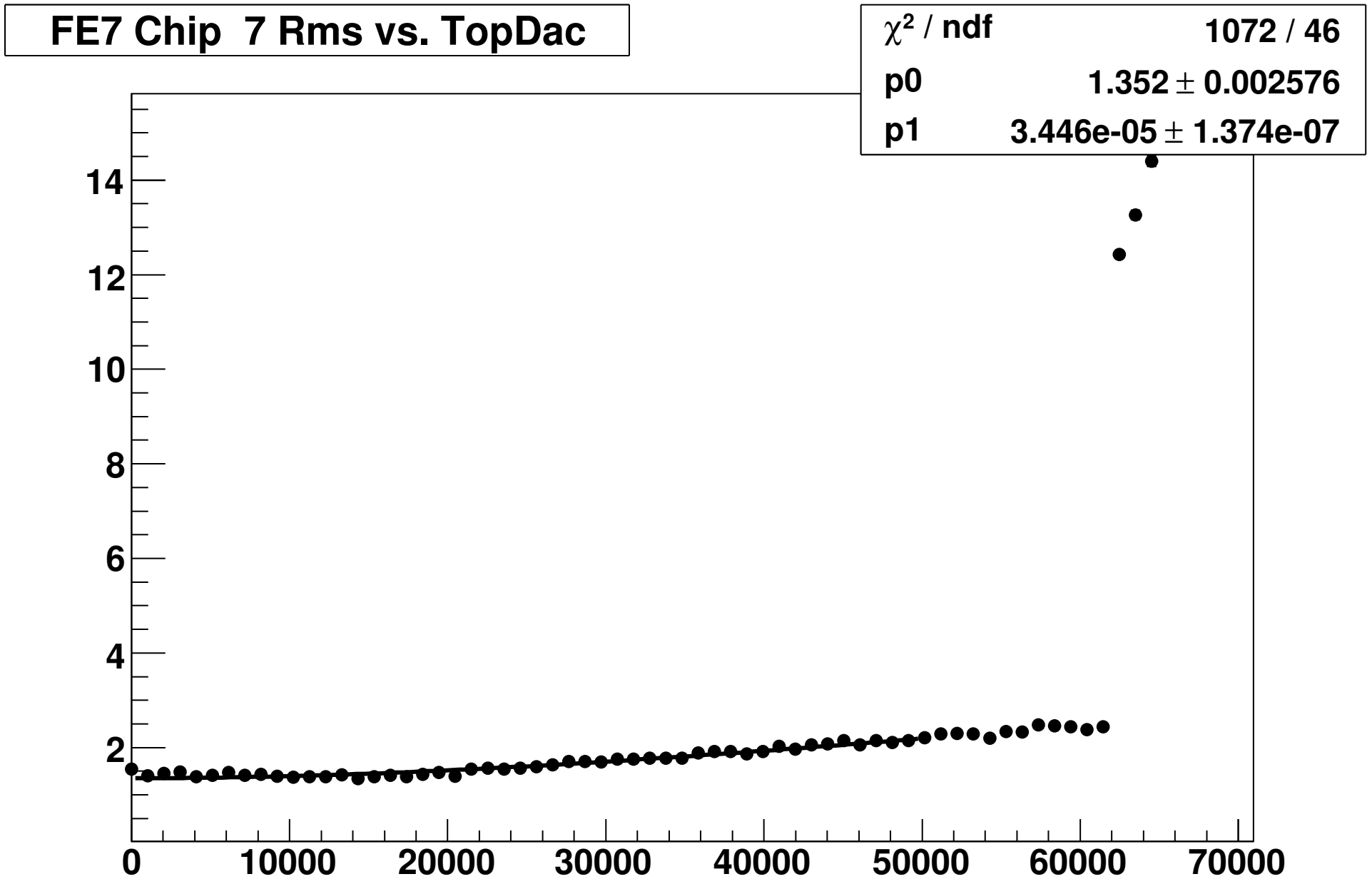

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 7.714e+04 / 46
p0 -21.79 ± 0.004573
p1 0.4509 ± 1.825e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

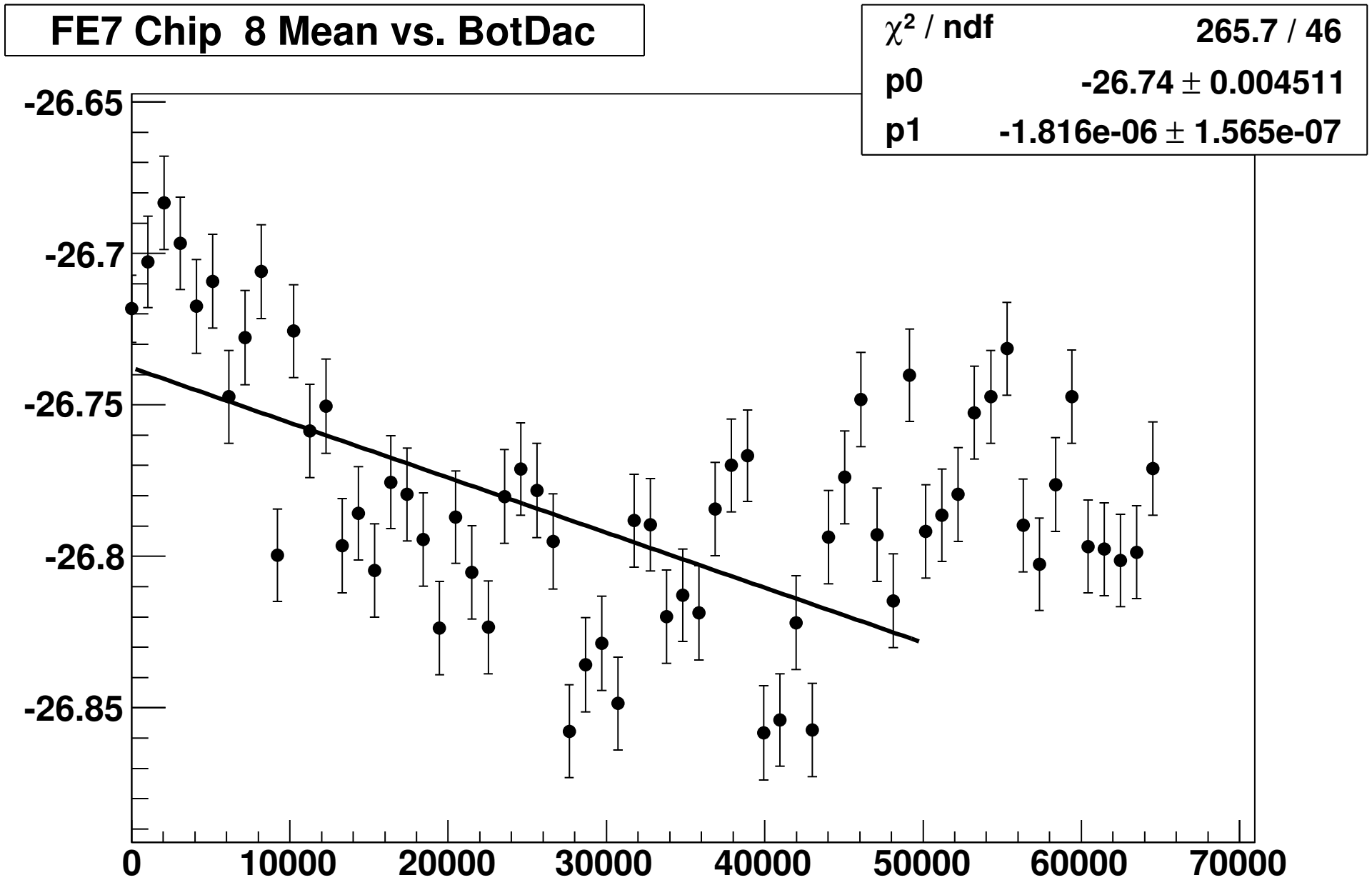

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 943.1 / 46
p0 1.34 ± 0.00256
p1 3.449e-05 ± 1.361e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

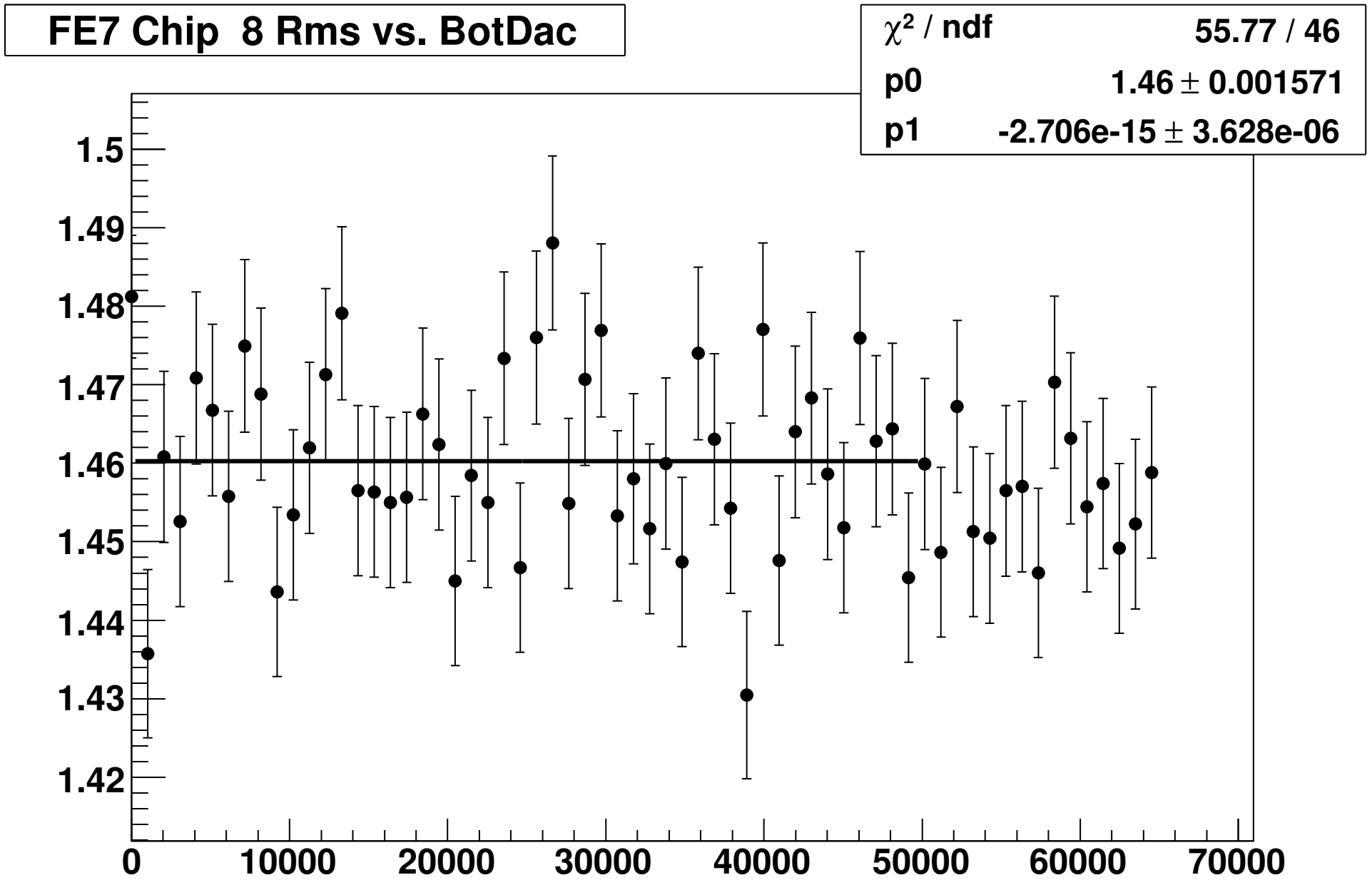

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 861 / 46
p0 -15.44 ± 0.004633
p1 -2.136e-06 ± 1.606e-07
-15.3
-15.35
-15.4
-15.45
-15.5
-15.55
-15.6
0
10000
20000
30000
40000
50000
60000
70000

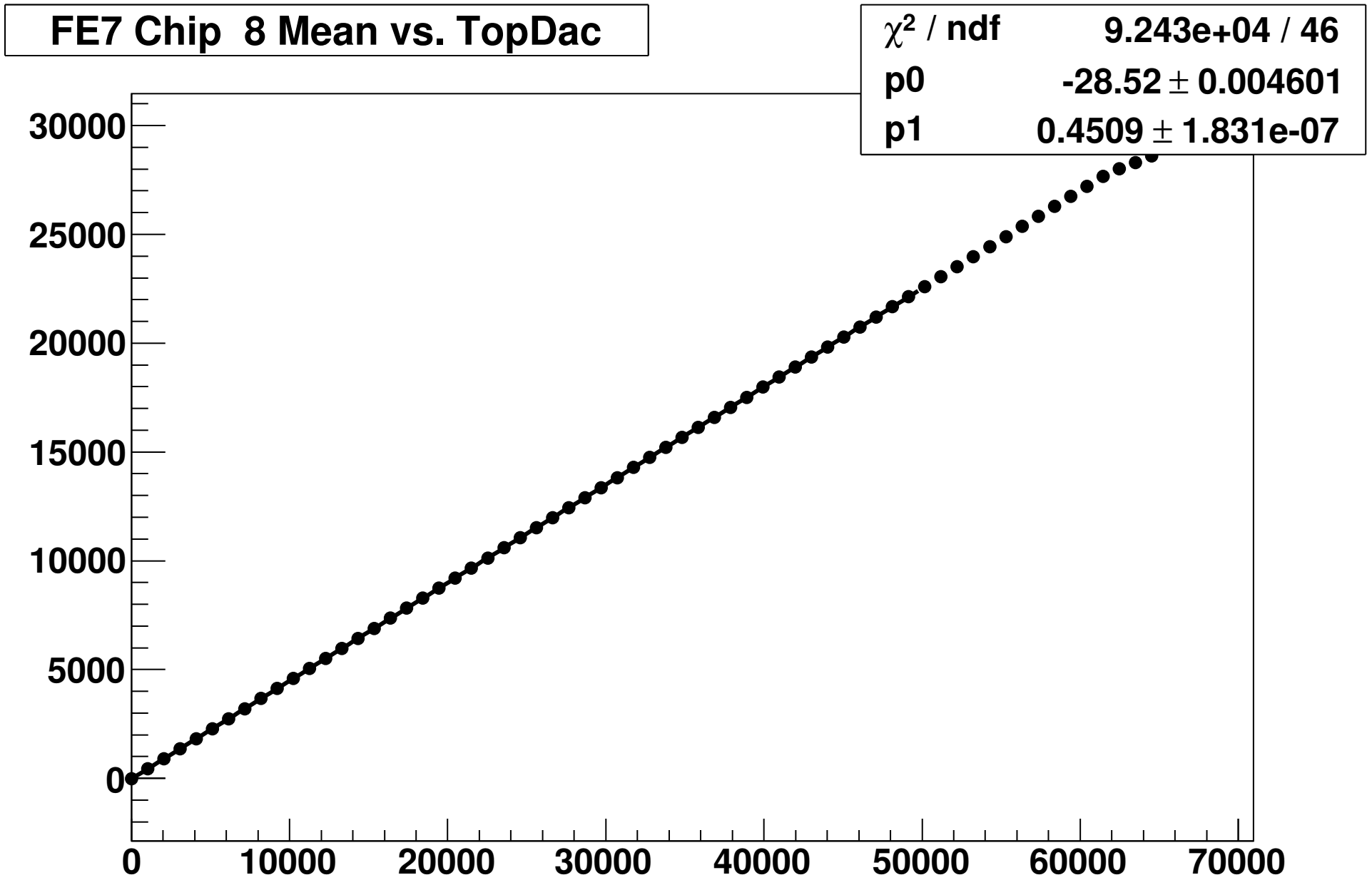

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 41.25 / 46
p0 1.499 ± 0.00161
p1 1.061e-14 ± 1.823e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

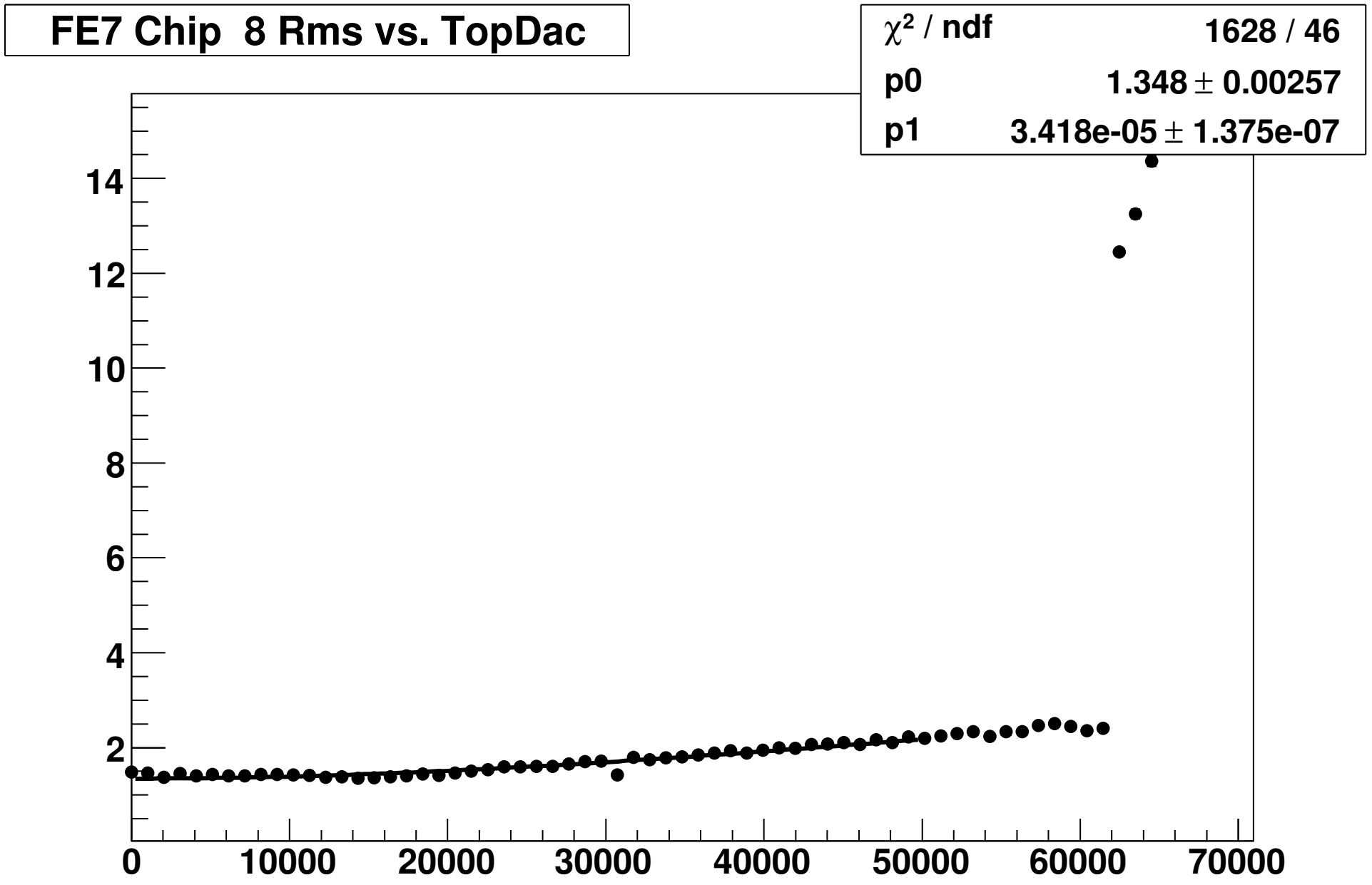

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 9.598e+04 / 46
p0 -17.42 ± 0.004598
p1 0.4509 ± 1.832e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

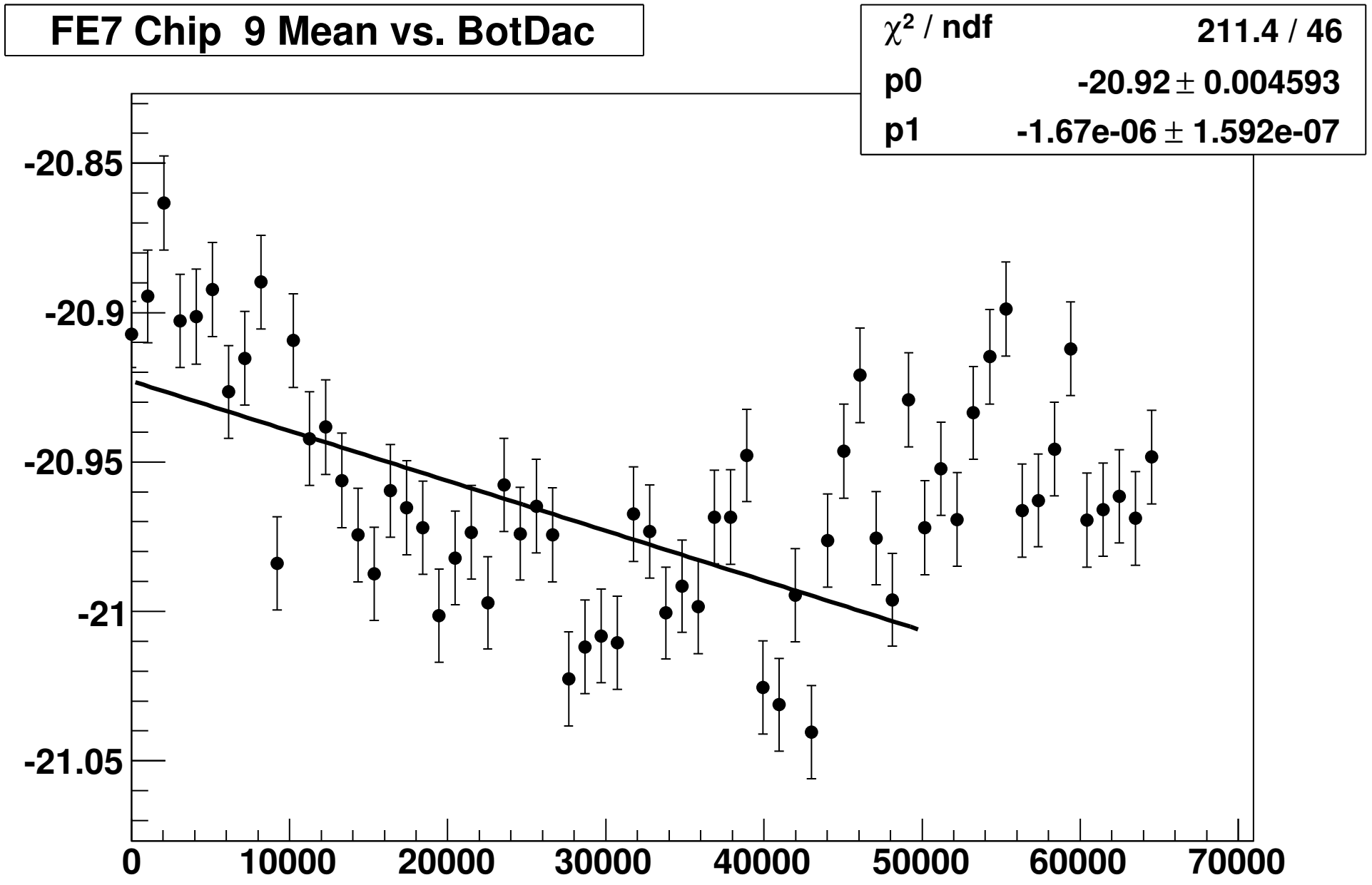

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1072 / 46
p0 1.352 ± 0.002576
p1 3.446e-05 ± 1.374e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

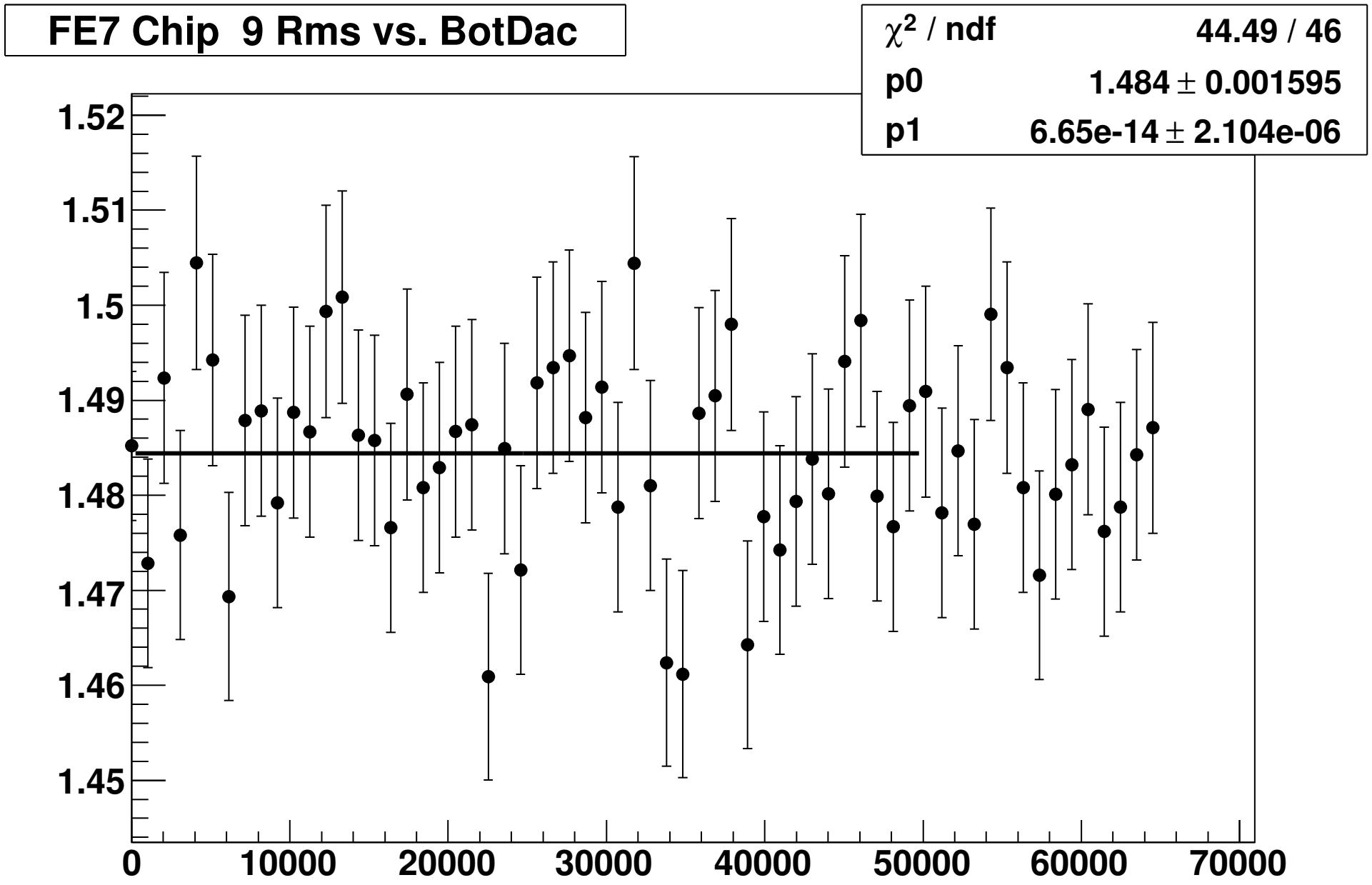

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 265.7 / 46
p0 -26.74 ± 0.004511
p1 -1.816e-06 ± 1.565e-07
-26.65
-26.7
-26.75
-26.8
-26.85
0
10000
20000
30000
40000
50000
60000
70000

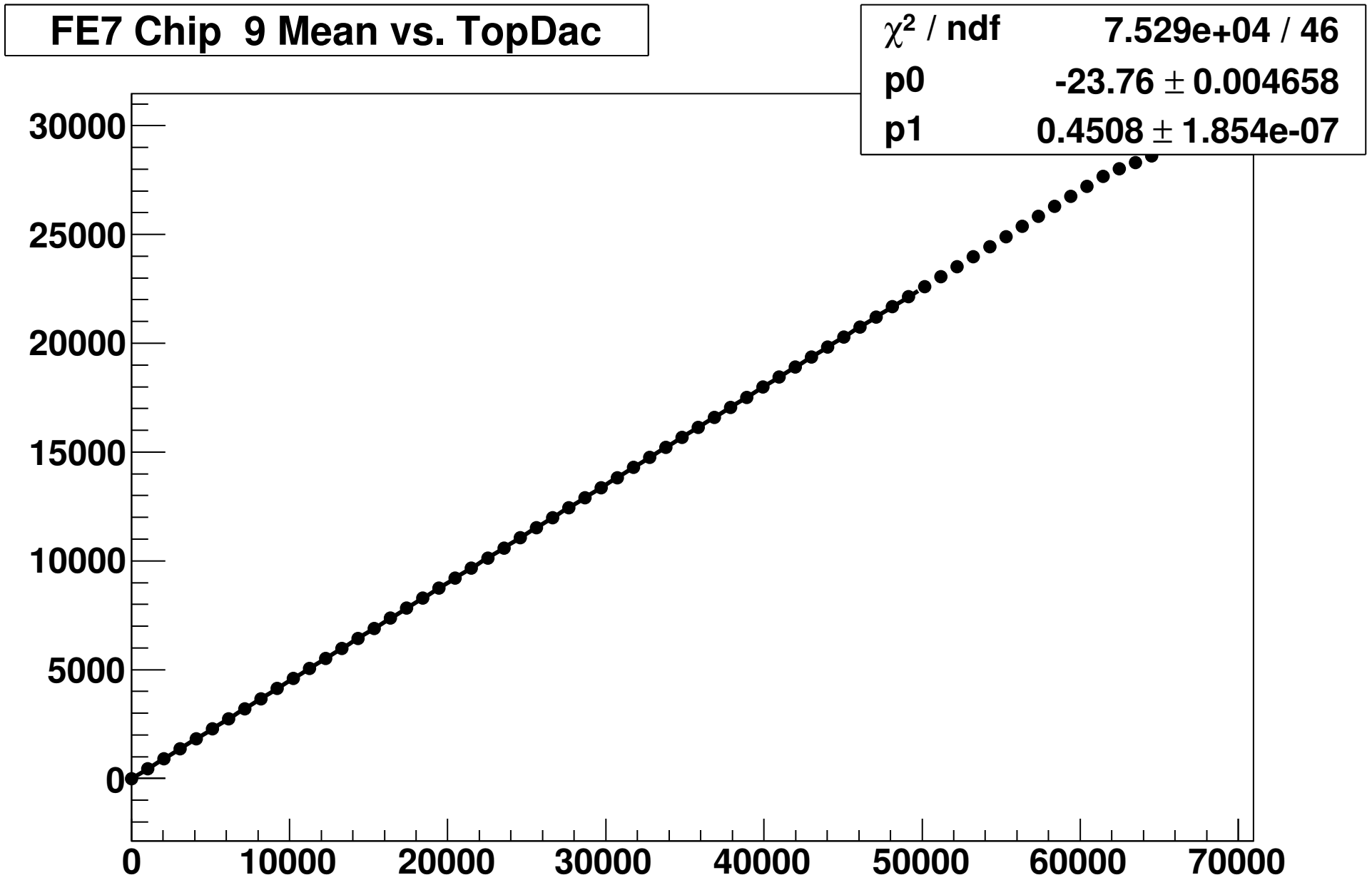

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 55.77 / 46
p0 1.46 ± 0.001571
p1 -2.706e-15 ± 3.628e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

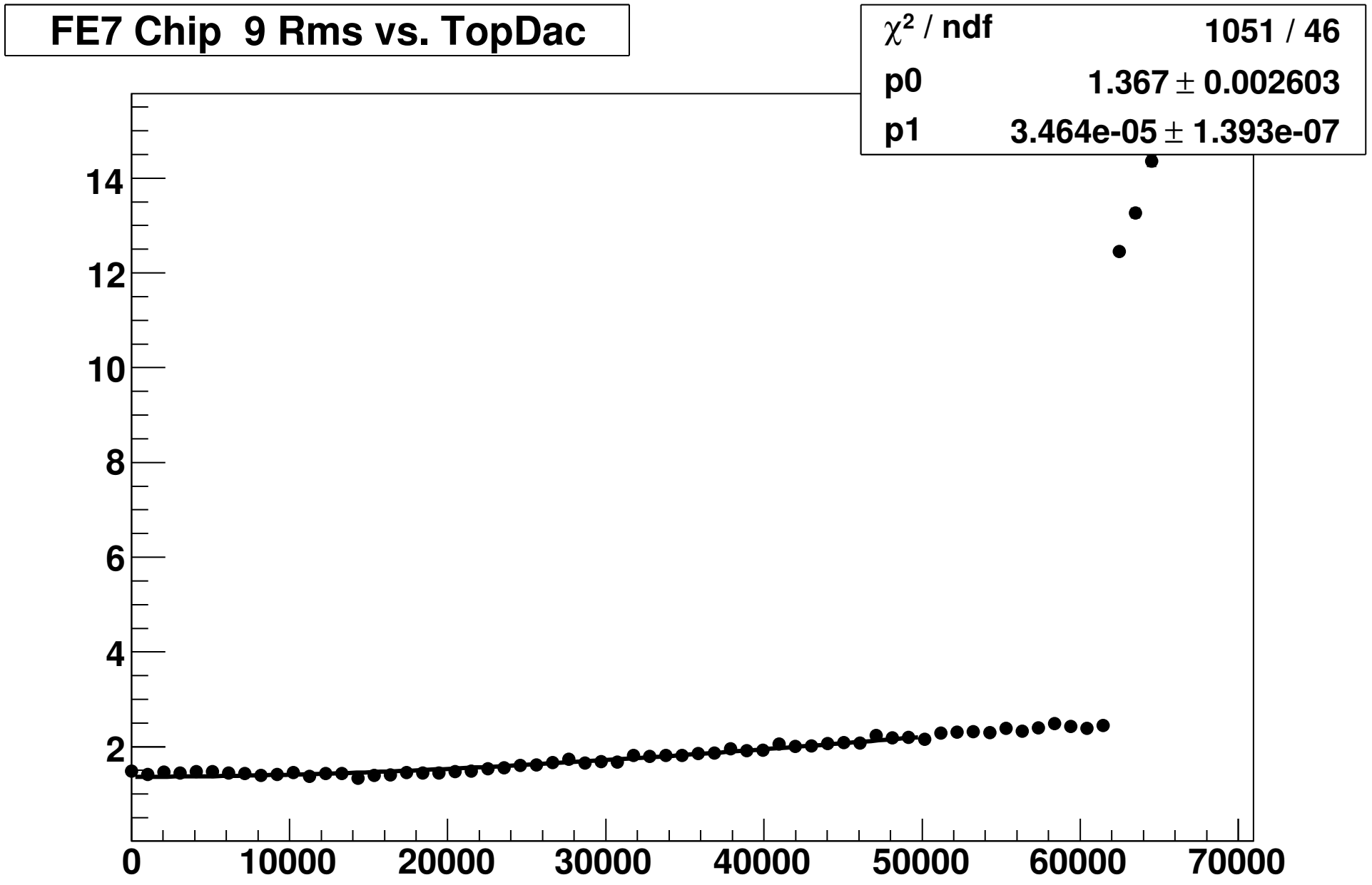

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 9.243e+04 / 46
p0 -28.52 ± 0.004601
p1 0.4509 ± 1.831e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

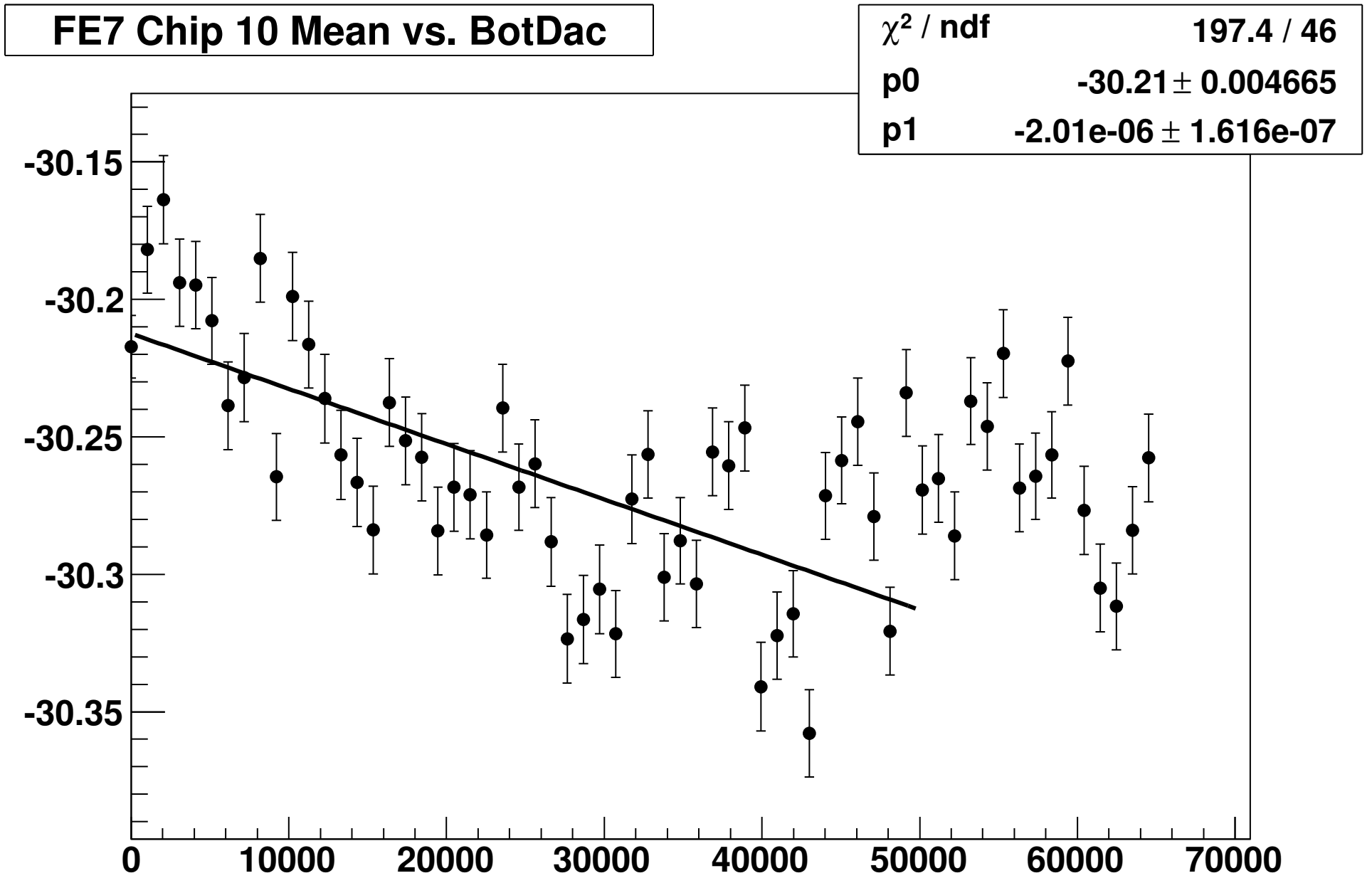

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 1628 / 46
p0 1.348 ± 0.00257
p1 3.418e-05 ± 1.375e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

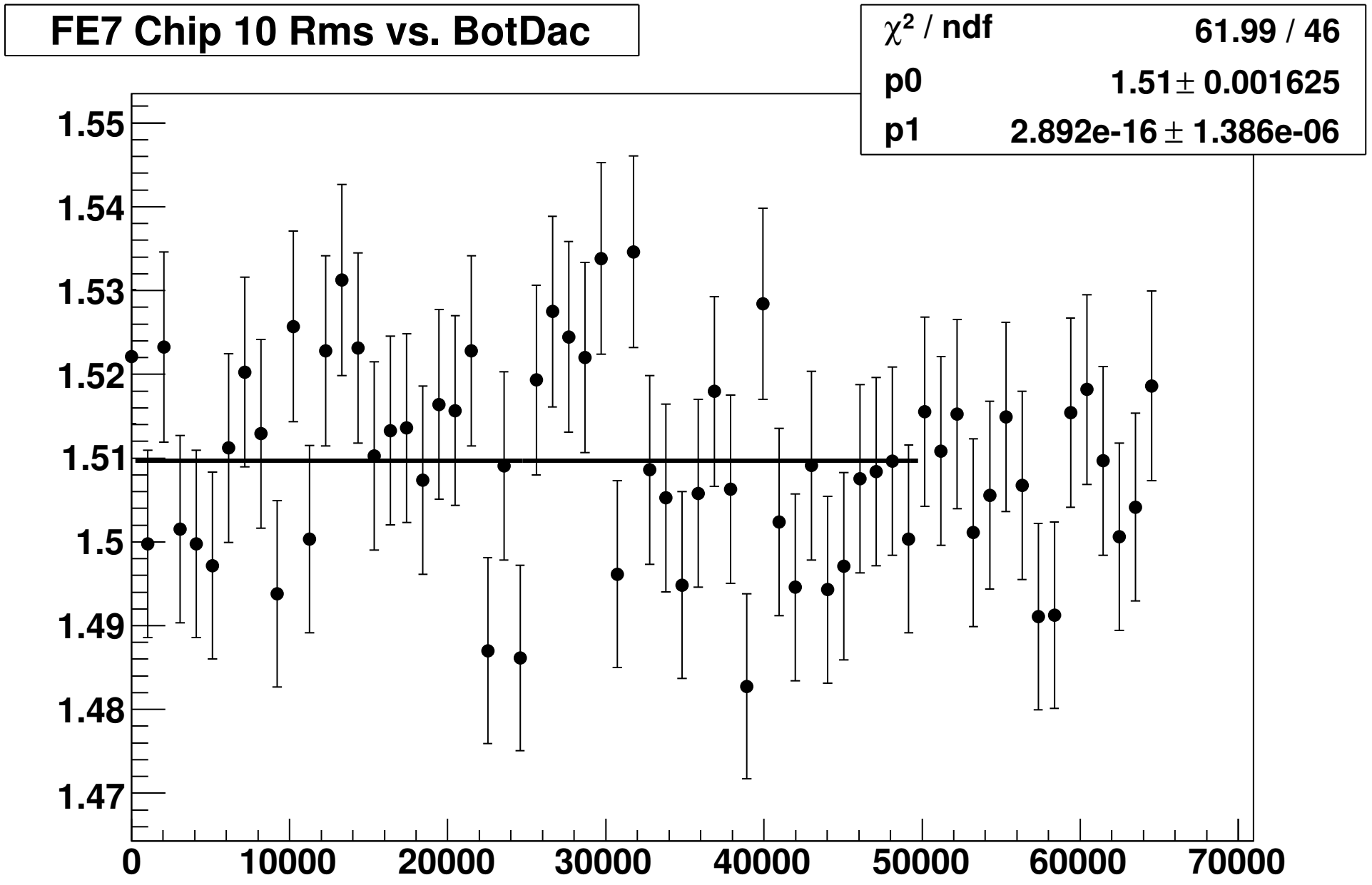

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 211.4 / 46
p0 -20.92 ± 0.004593
p1 -1.67e-06 ± 1.592e-07
-20.85
-20.9
-20.95
-21
-21.05
0
10000
20000
30000
40000
50000
60000
70000

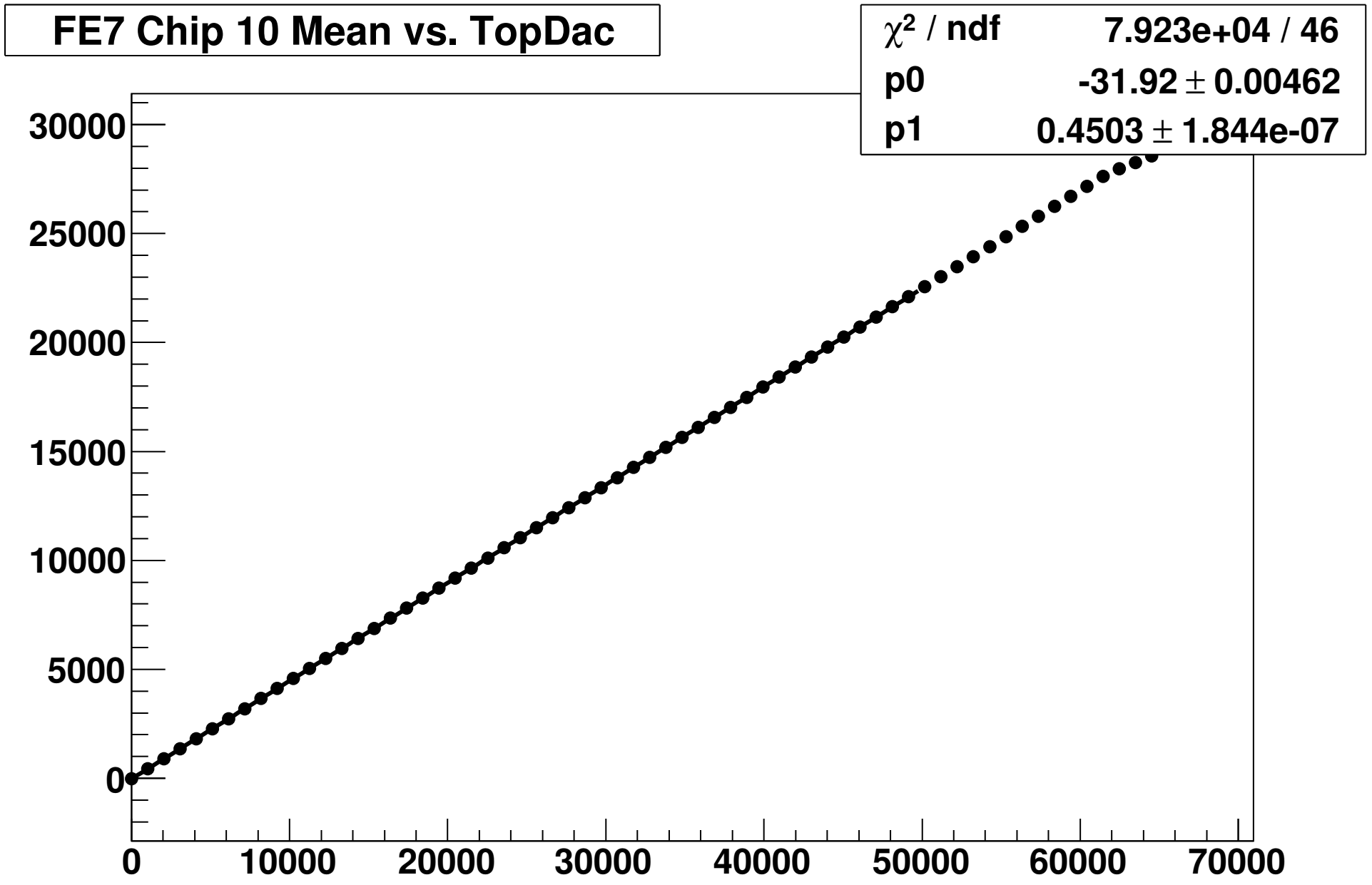

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 44.49 / 46
p0 1.484 ± 0.001595
p1 6.65e-14 ± 2.104e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

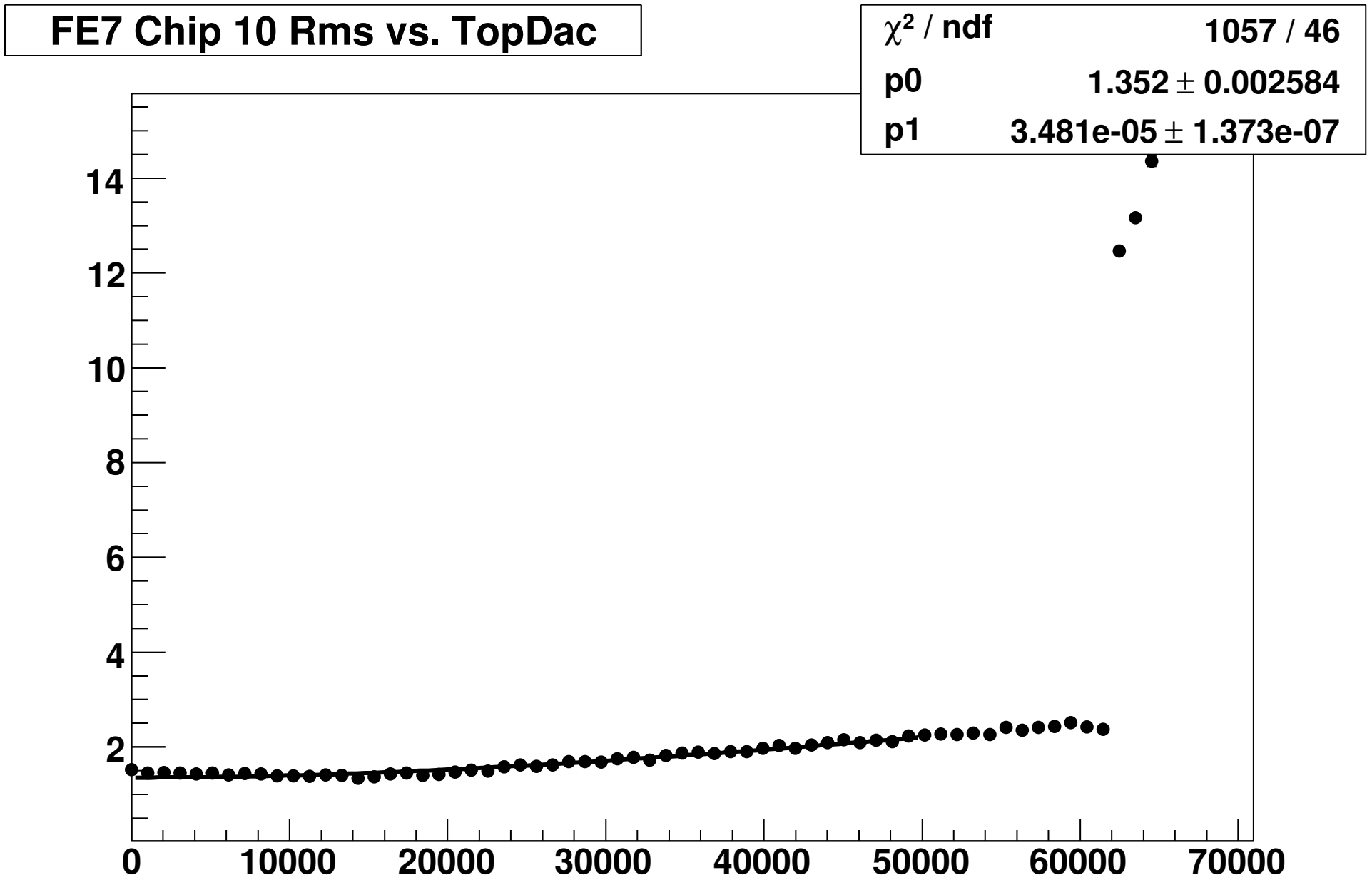

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 7.529e+04 / 46
p0 -23.76 ± 0.004658
p1 0.4508 ± 1.854e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

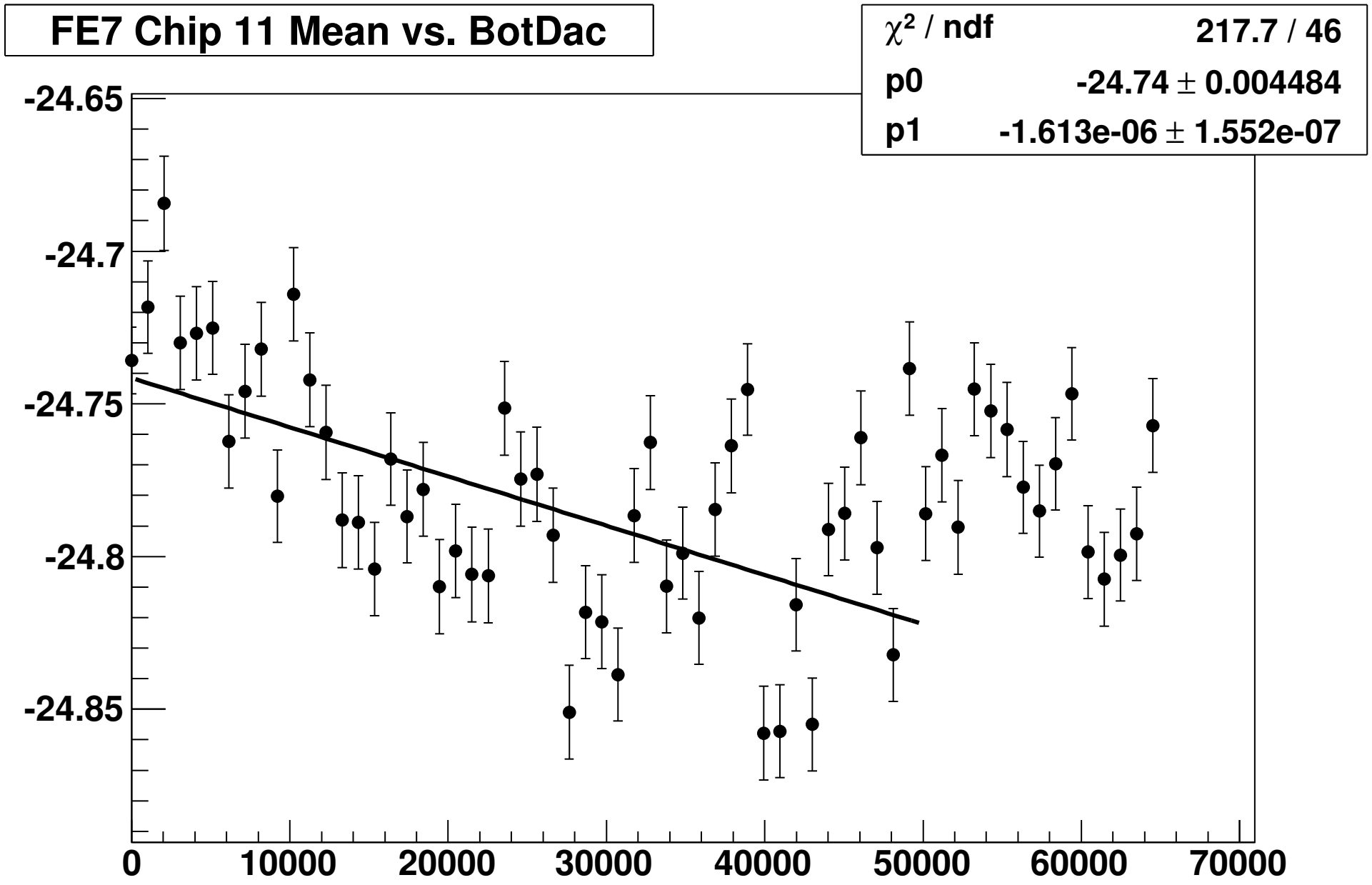

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1051 / 46
p0 1.367 ± 0.002603
p1 3.464e-05 ± 1.393e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

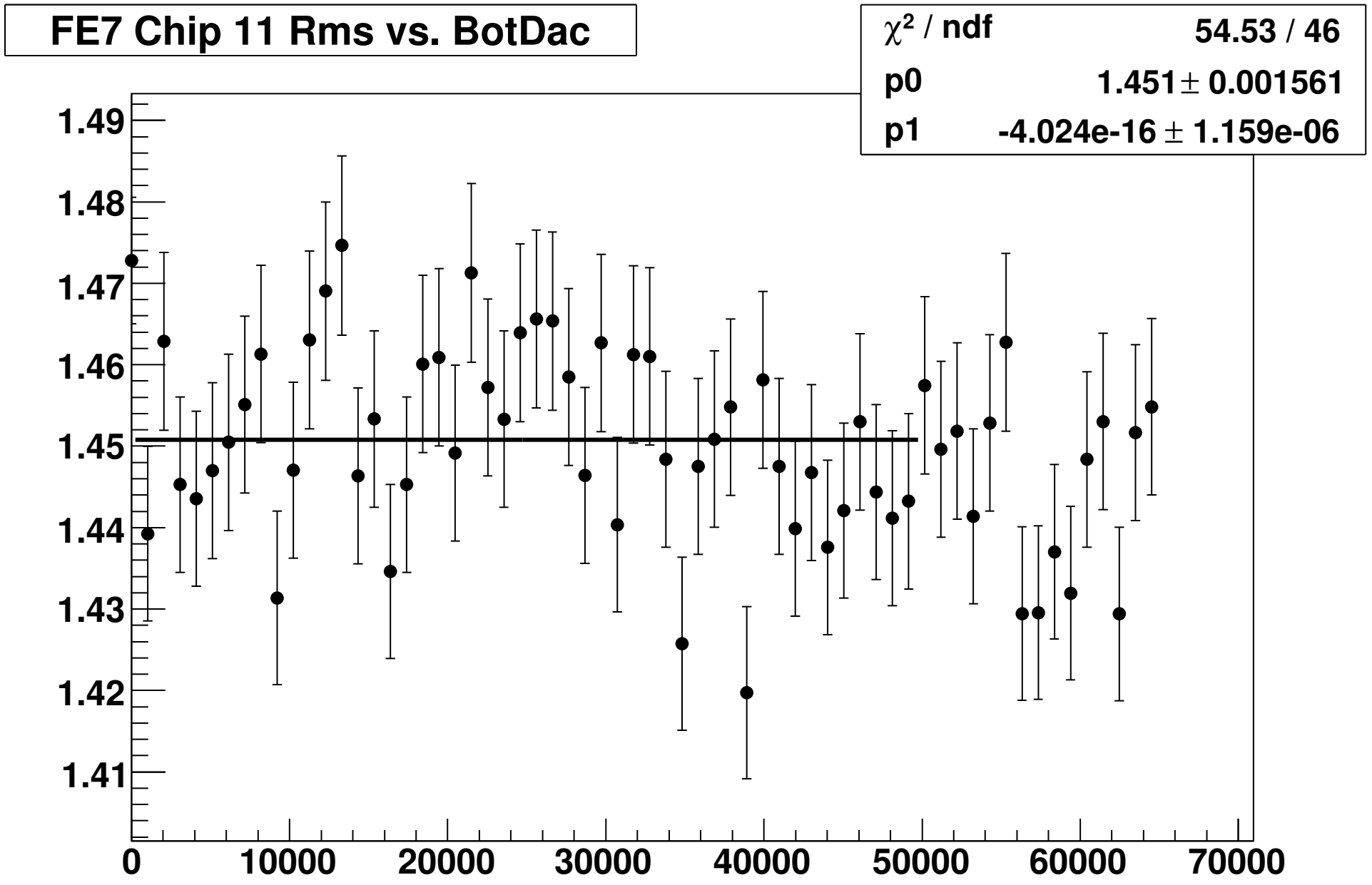

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 197.4 / 46
p0 -30.21 ± 0.004665
p1 -2.01e-06 ± 1.616e-07
-30.15
-30.2
-30.25
-30.3
-30.35
0
10000
20000
30000
40000
50000
60000
70000

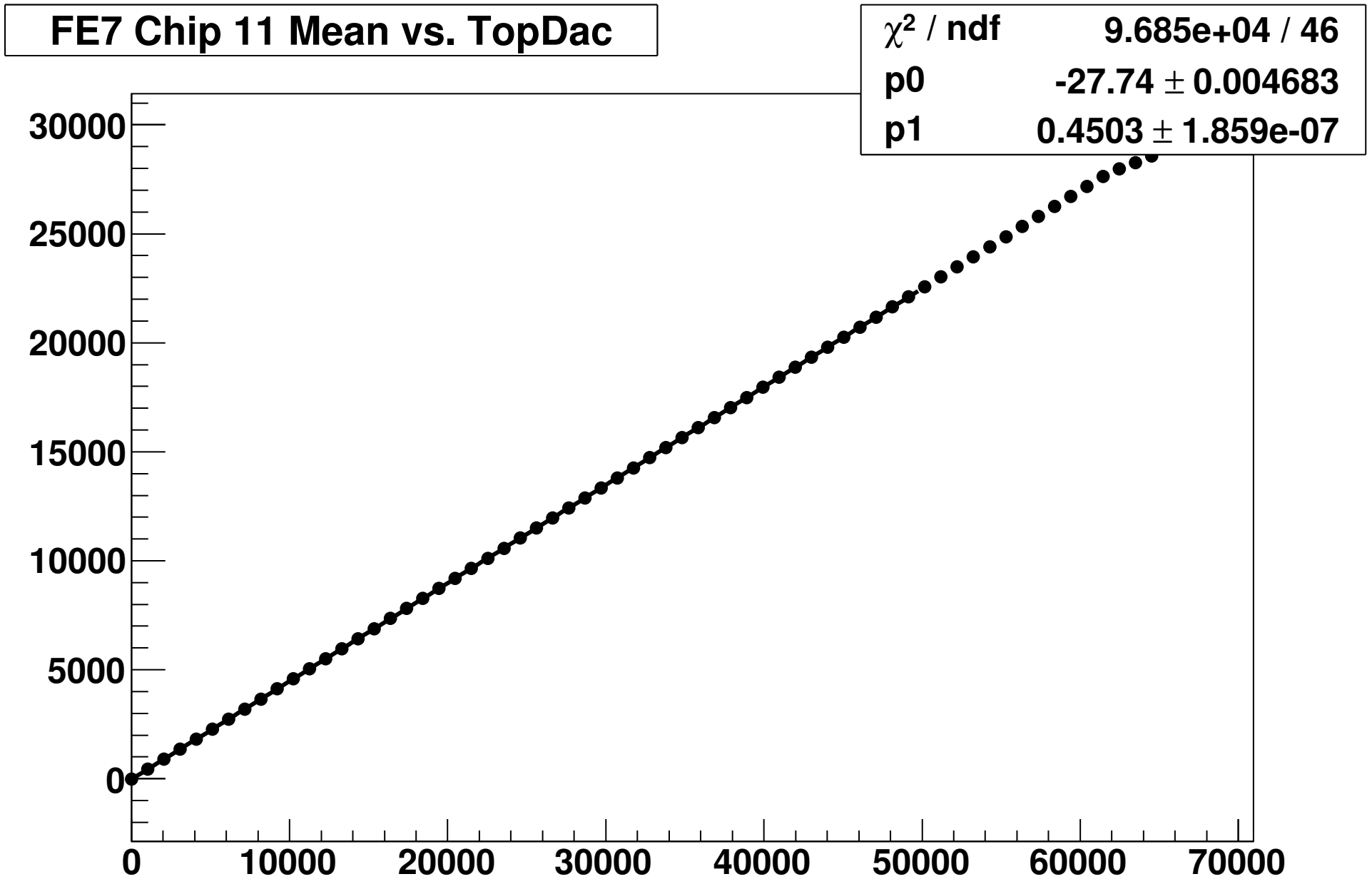

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 61.99 / 46
p0 1.51 ± 0.001625
p1 2.892e-16 ± 1.386e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

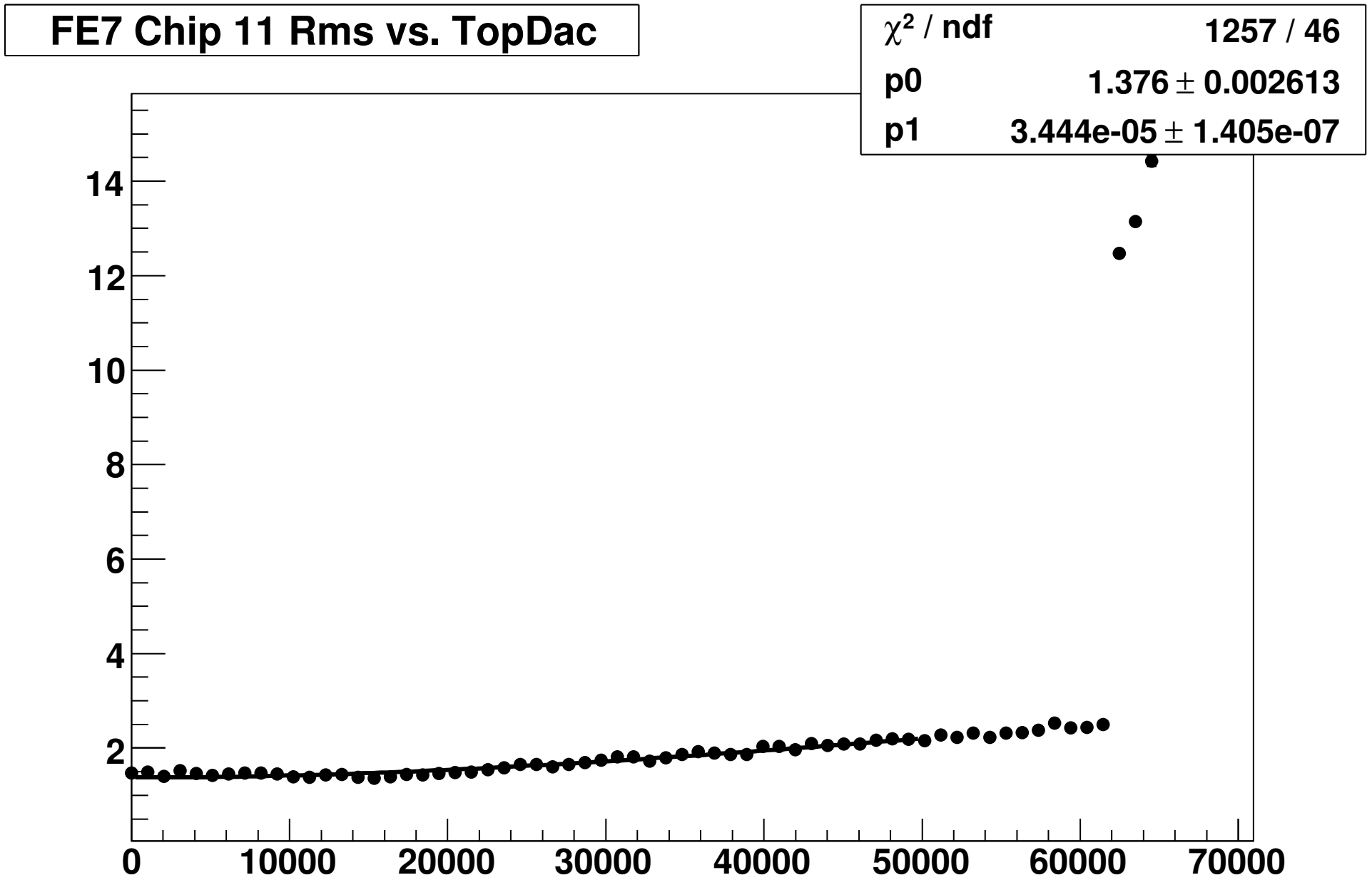

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 7.923e+04 / 46
p0 -31.92 ± 0.00462
p1 0.4503 ± 1.844e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

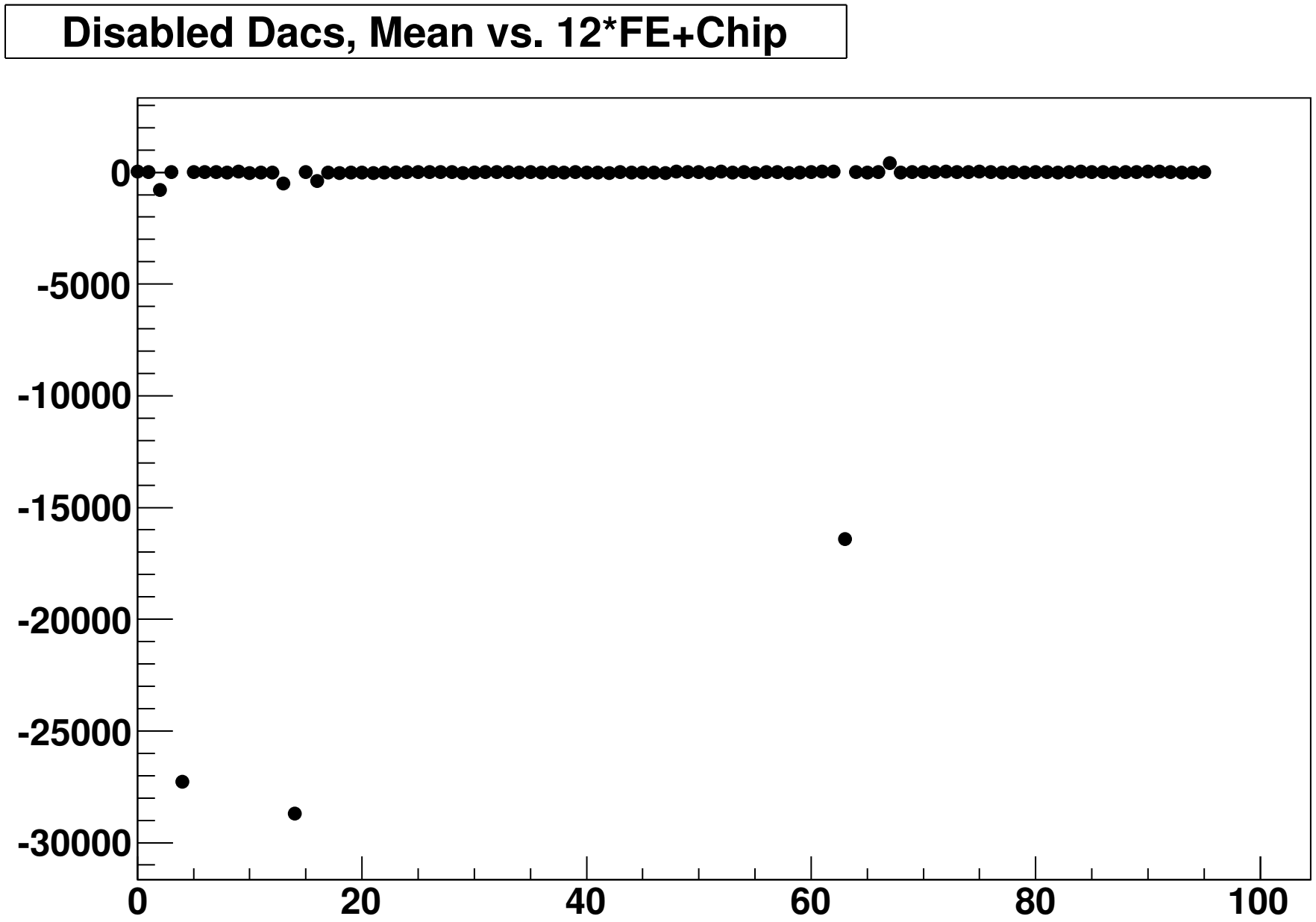

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 1057 / 46
p0 1.352 ± 0.002584
p1 3.481e-05 ± 1.373e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

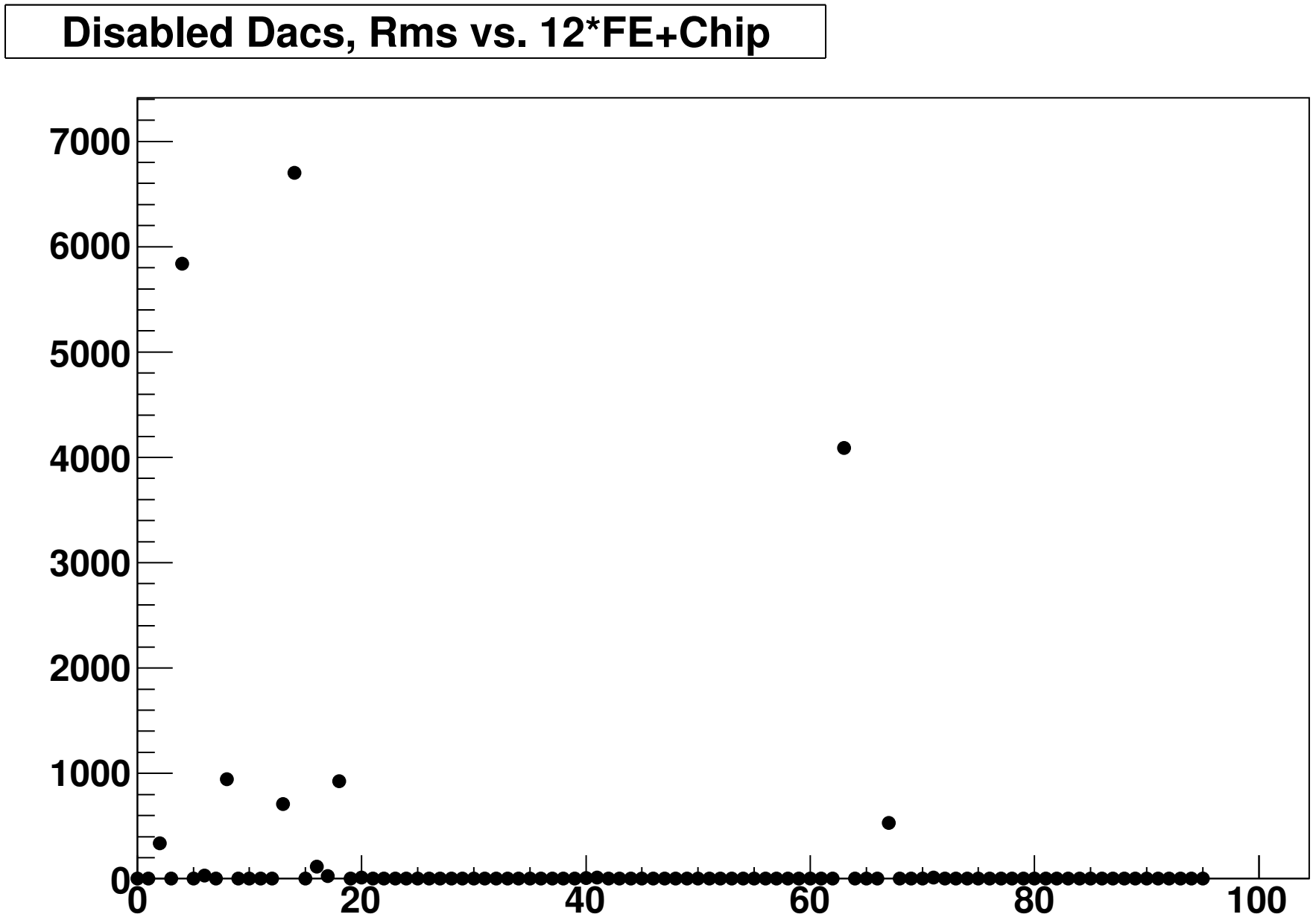

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 217.7 / 46
p0 -24.74 ± 0.004484
p1 -1.613e-06 ± 1.552e-07
-24.65
-24.7
-24.75
-24.8
-24.85
0
10000
20000
30000
40000
50000
60000
70000

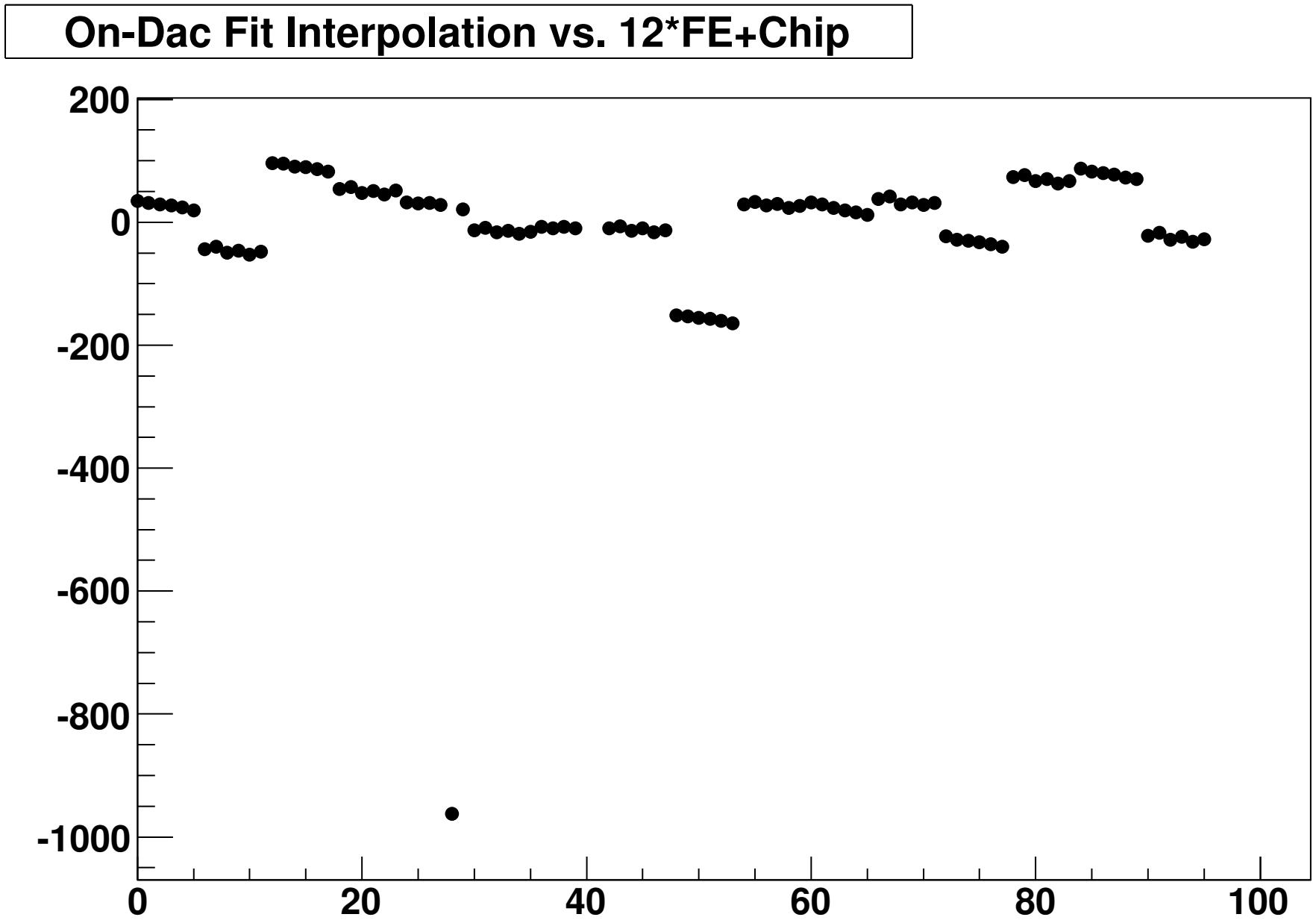

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 54.53 / 46
p0 1.451 ± 0.001561
p1 -4.024e-16 ± 1.159e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

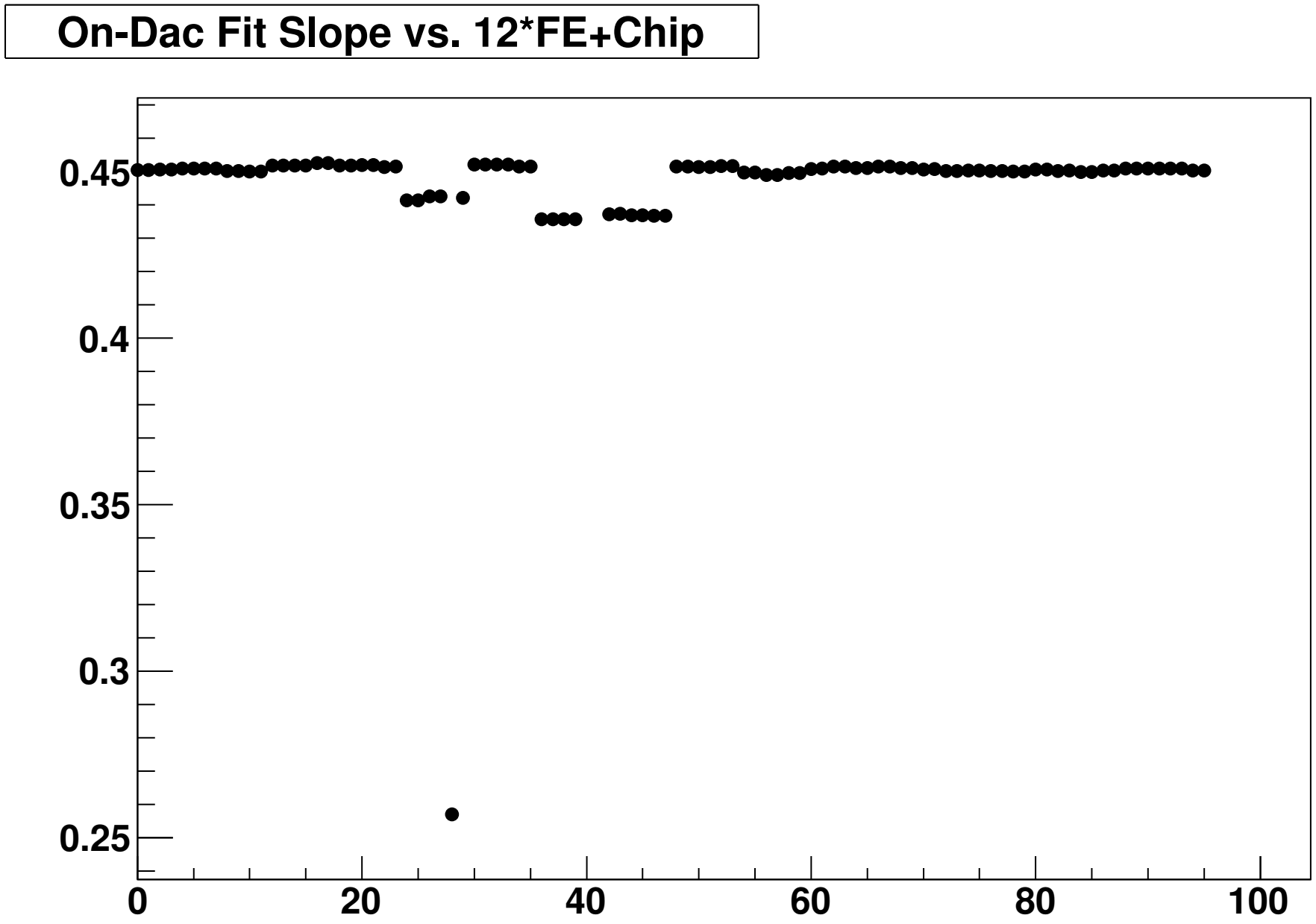

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 9.685e+04 / 46
p0 -27.74 ± 0.004683
p1 0.4503 ± 1.859e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

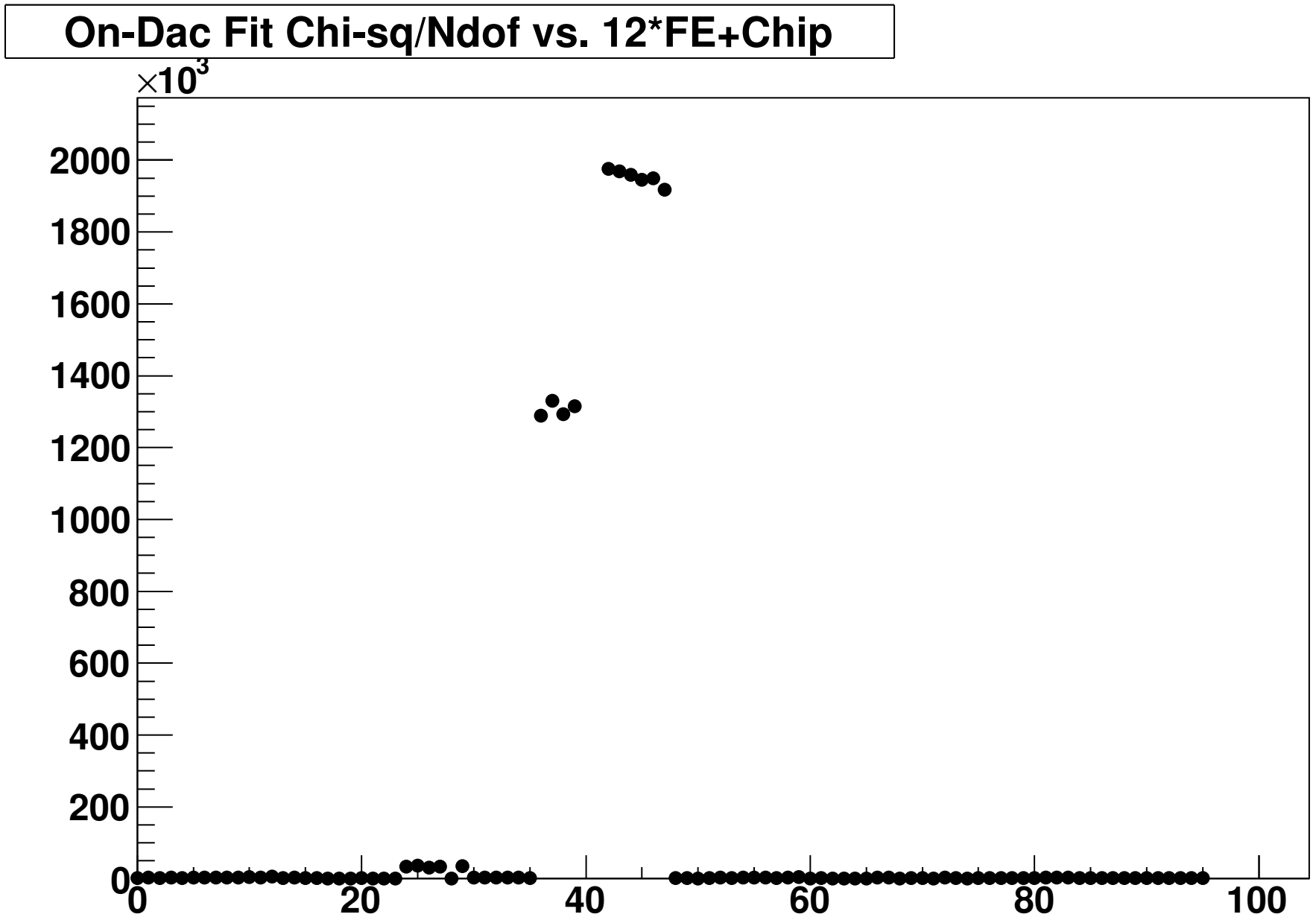

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1257 / 46
p0 1.376 ± 0.002613
p1 3.444e-05 ± 1.405e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

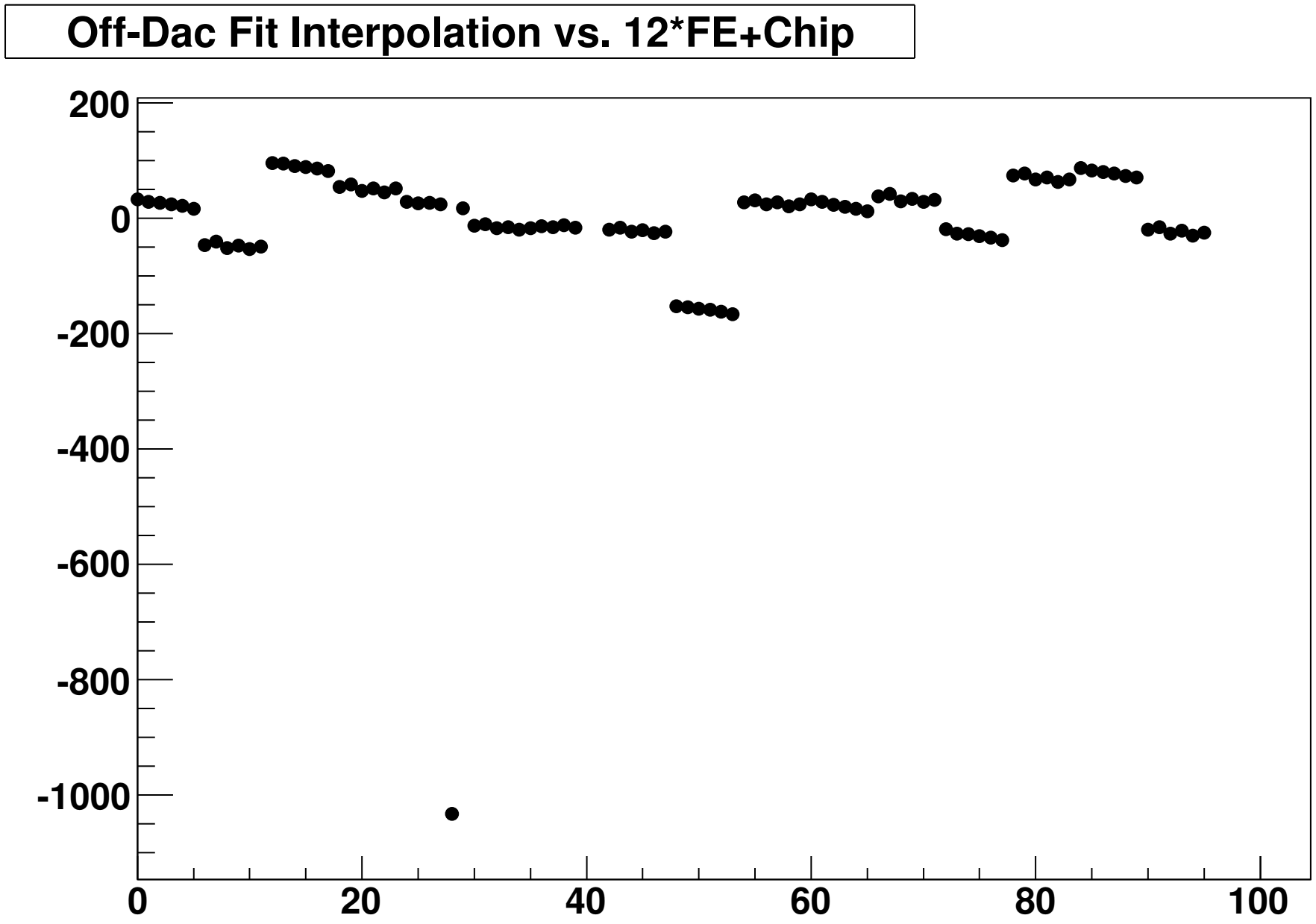

Disabled Dacs, Mean vs. 12*FE+Chip
0
-5000
-10000
-15000
-20000
-25000
-30000
0
20
40
60
80
100

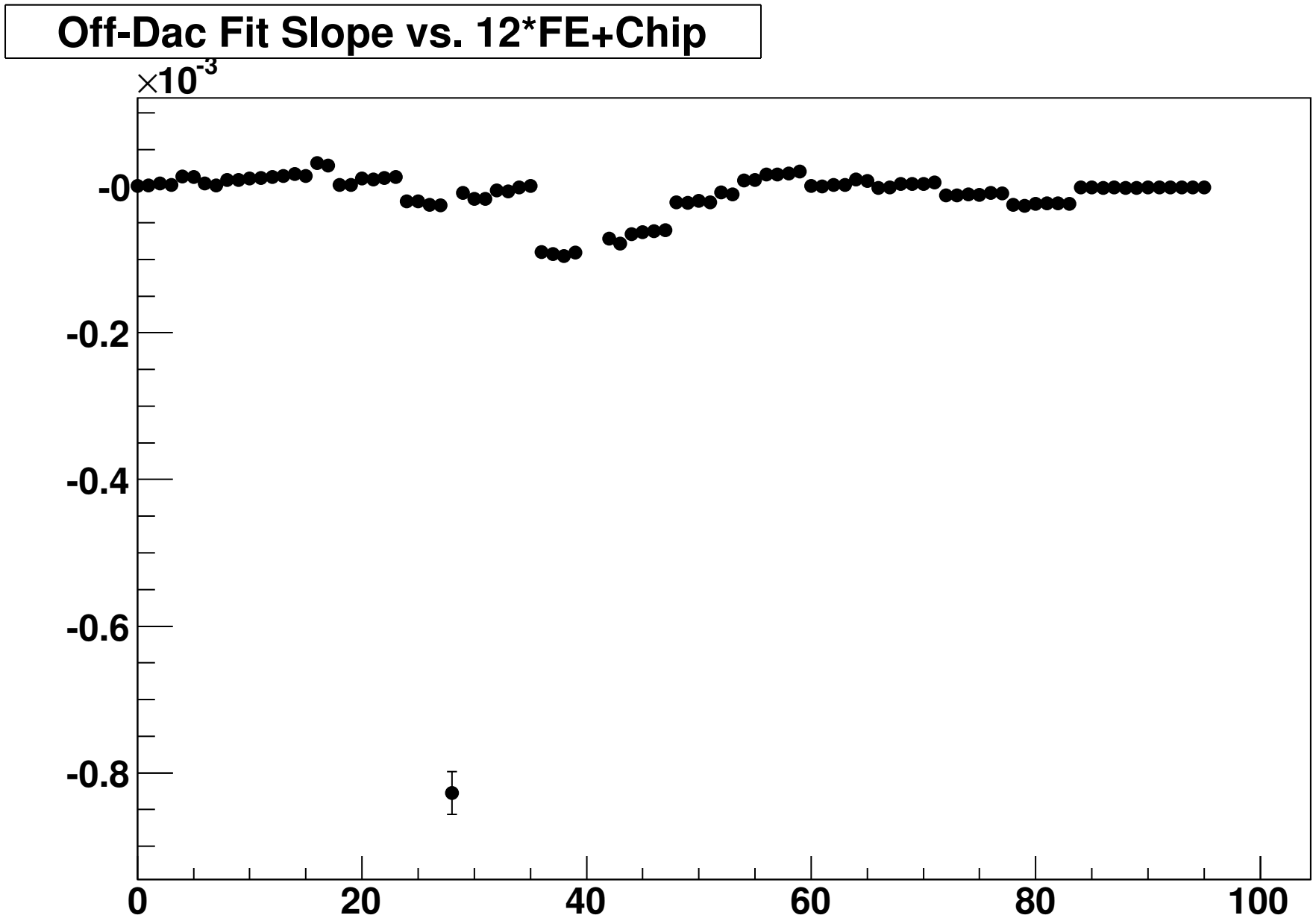

Disabled Dacs, Rms vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

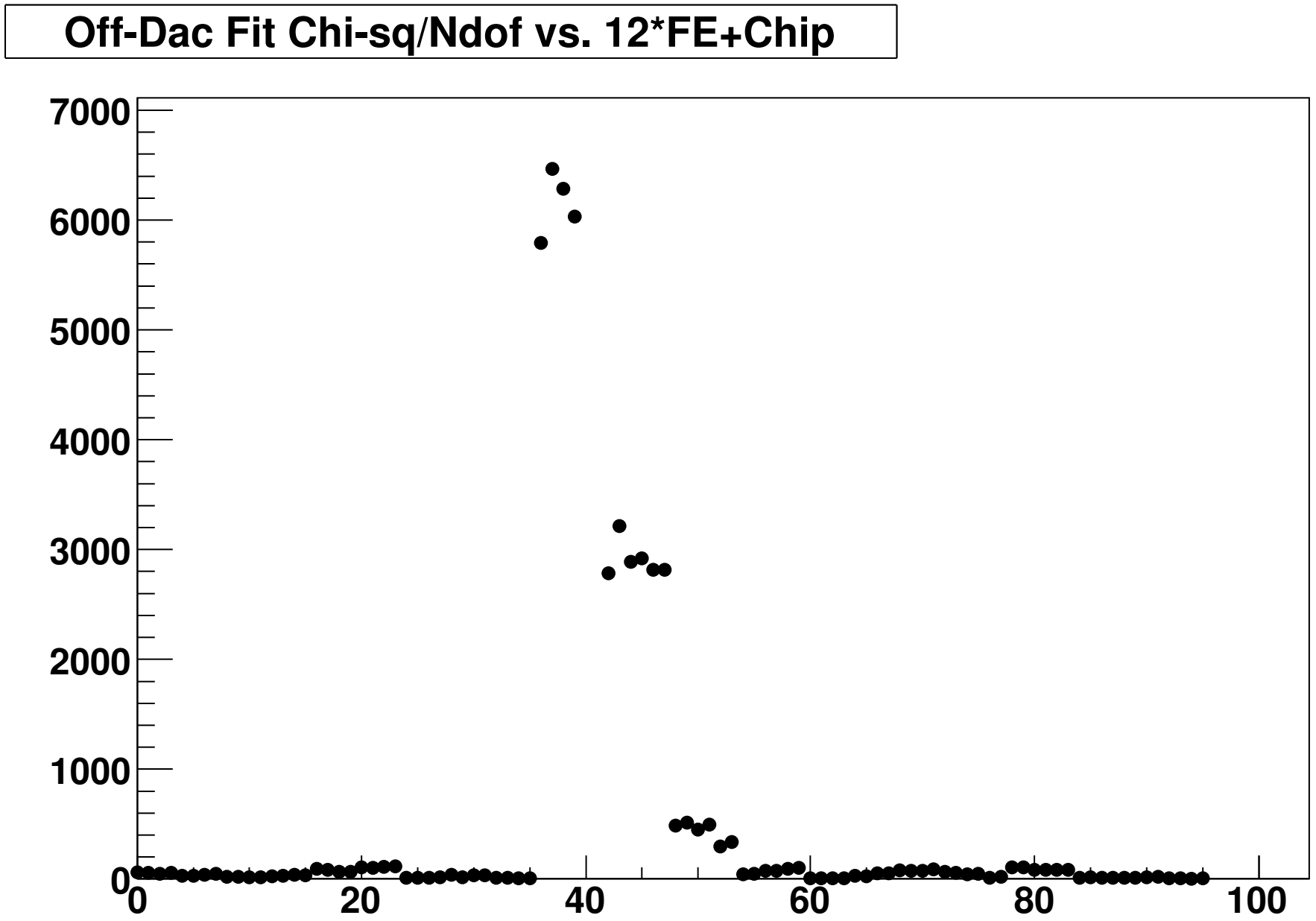

On-Dac Fit Interpolation vs. 12*FE+Chip
200
0
-200
-400
-600
-800
-1000
0
20
40
60
80
100

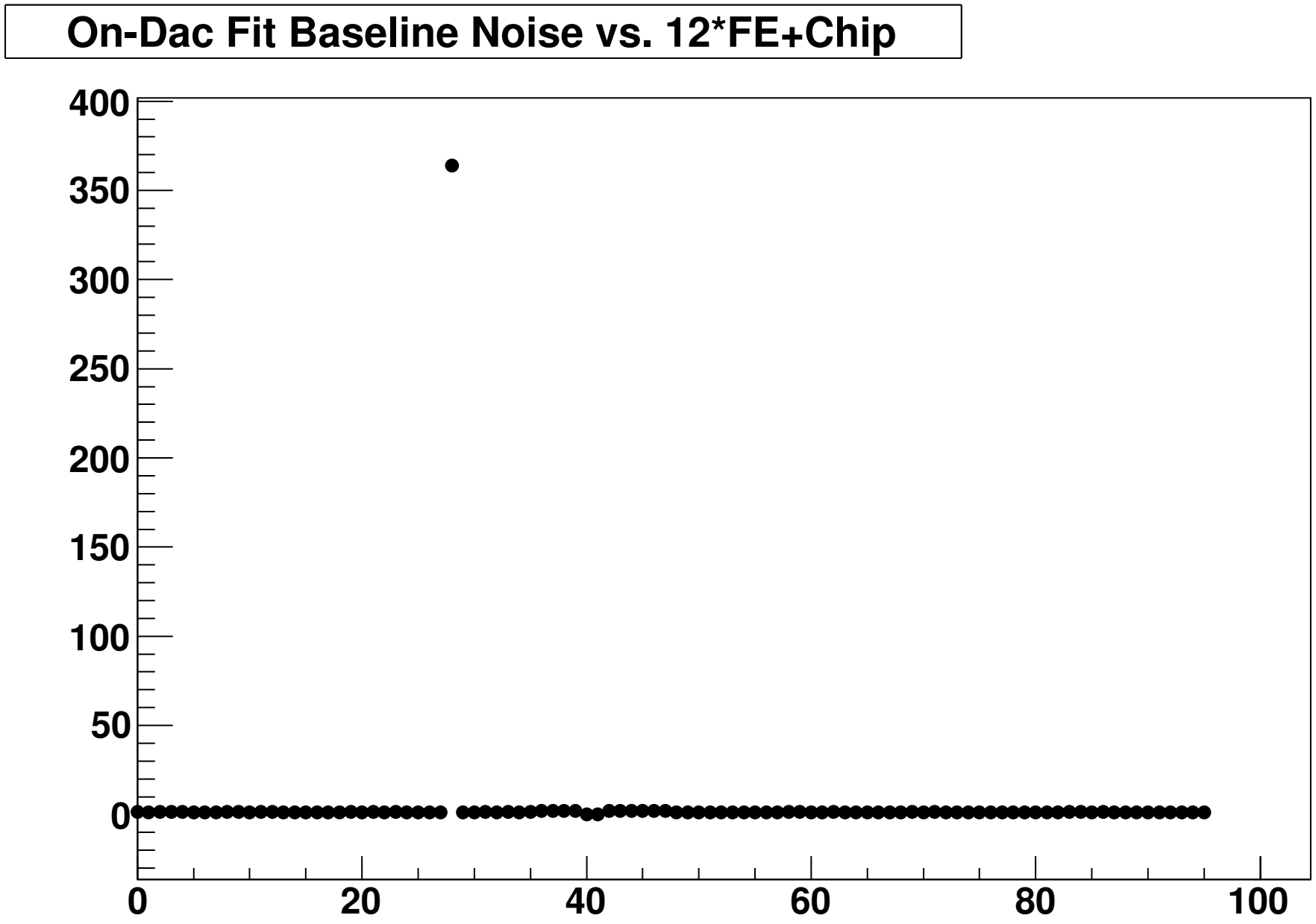

On-Dac Fit Slope vs. 12*FE+Chip
0.45
0.4
0.35
0.3
0.25
0
20
40
60
80
100

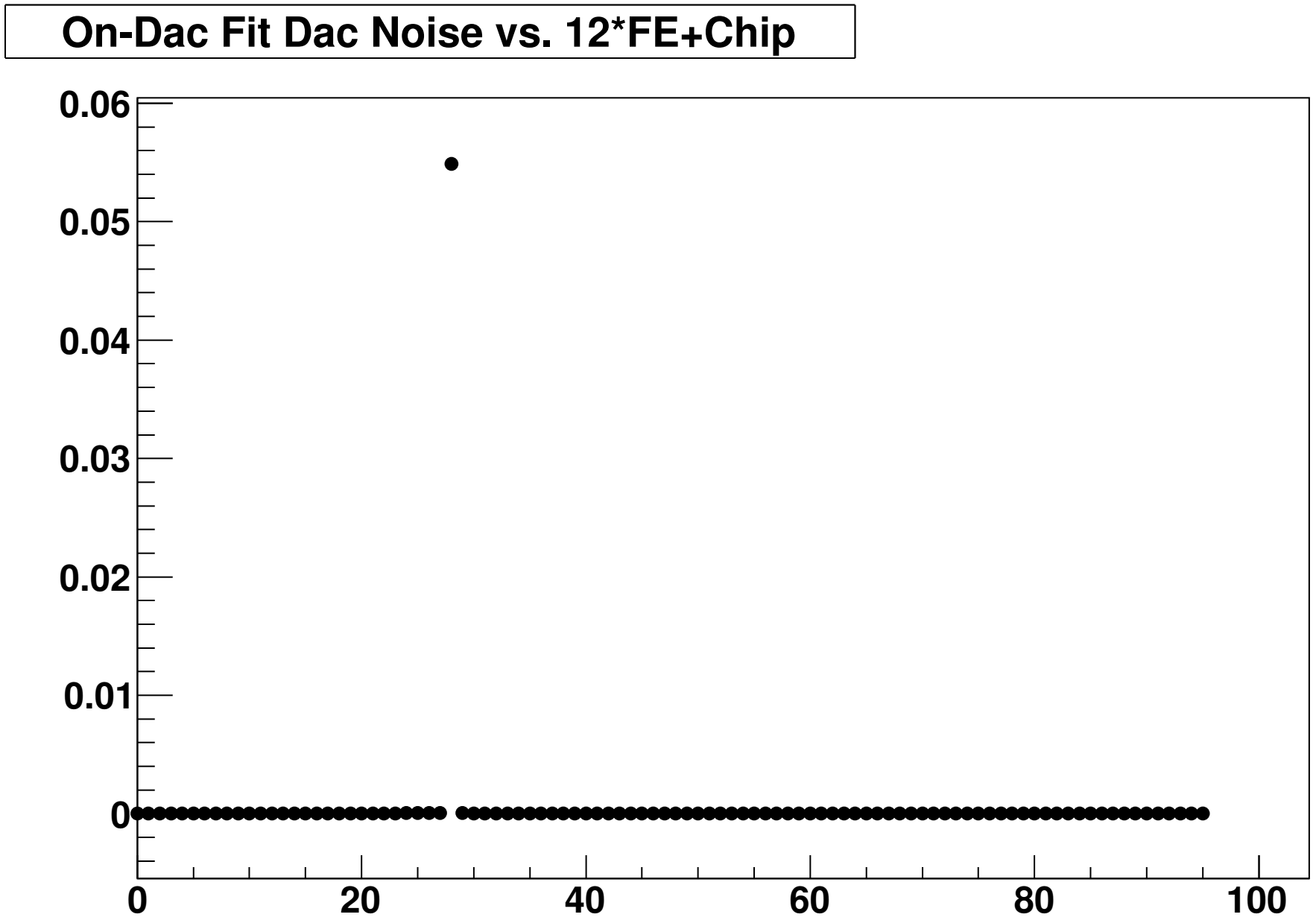

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^3
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100

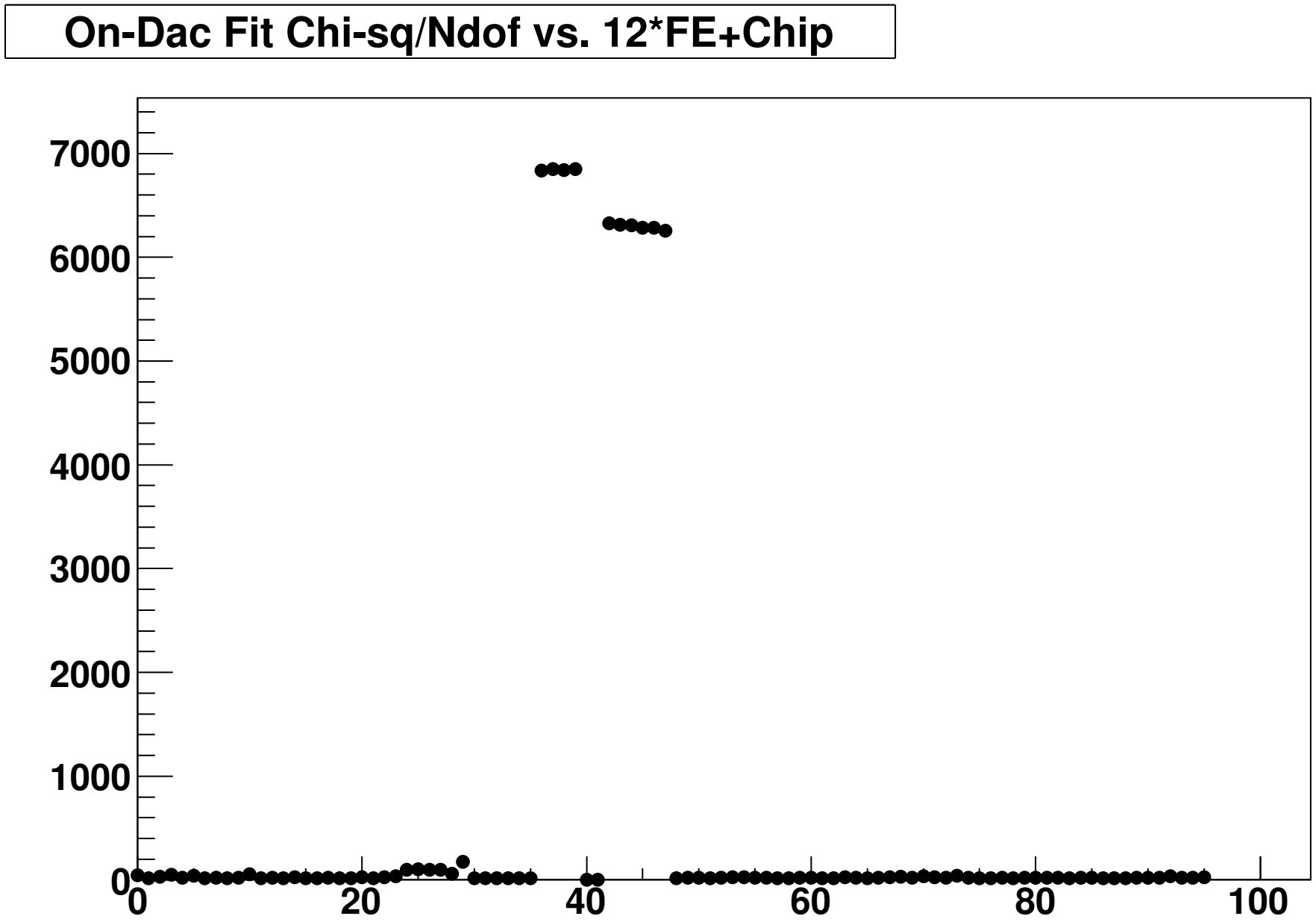

Off-Dac Fit Interpolation vs. 12*FE+Chip
200
0
-200
-400
-600
-800
-1000
0
20
40
60
80
100

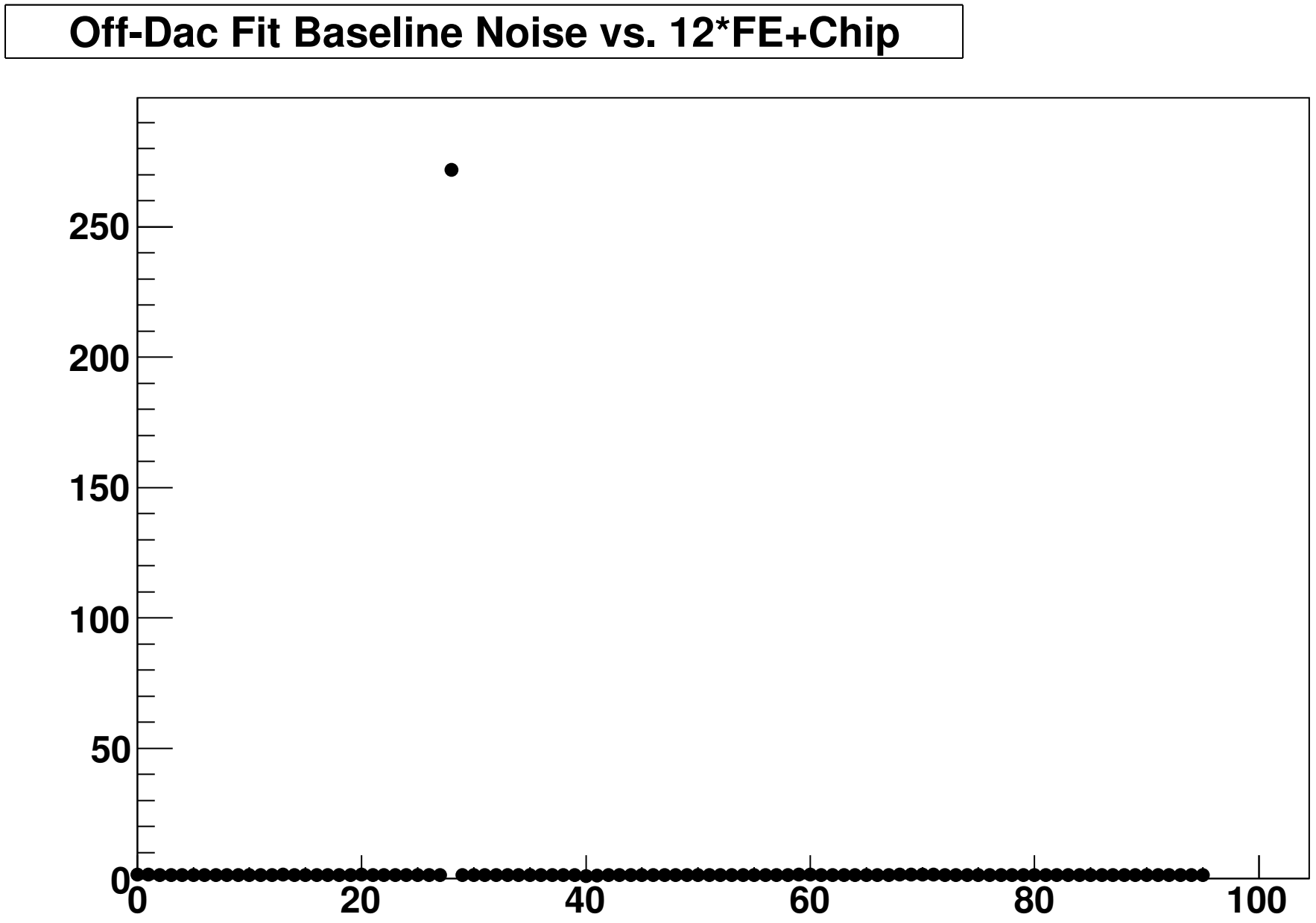

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-3
-0
-0.2
-0.4
-0.6
-0.8
0
20
40
60
80
100

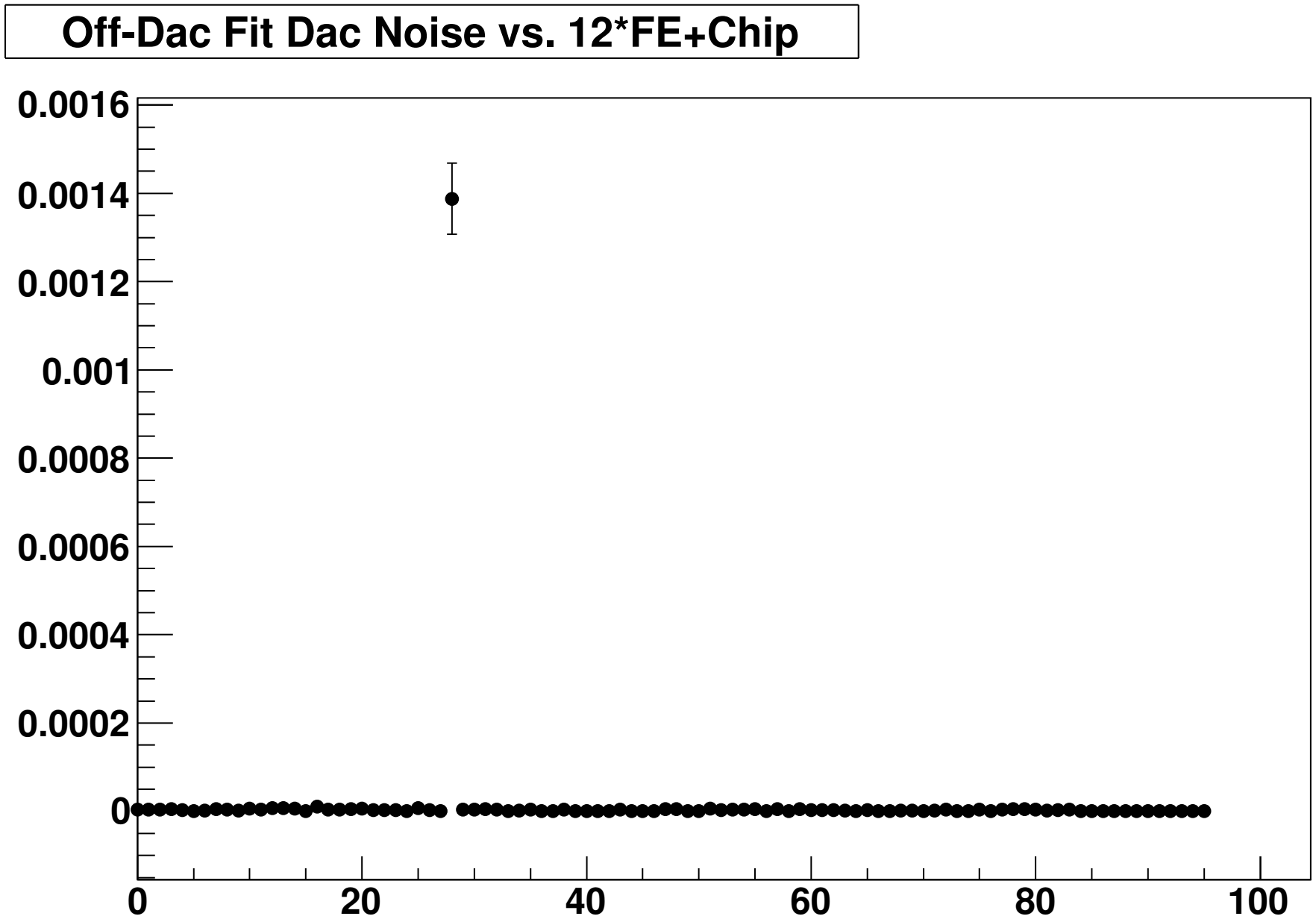

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

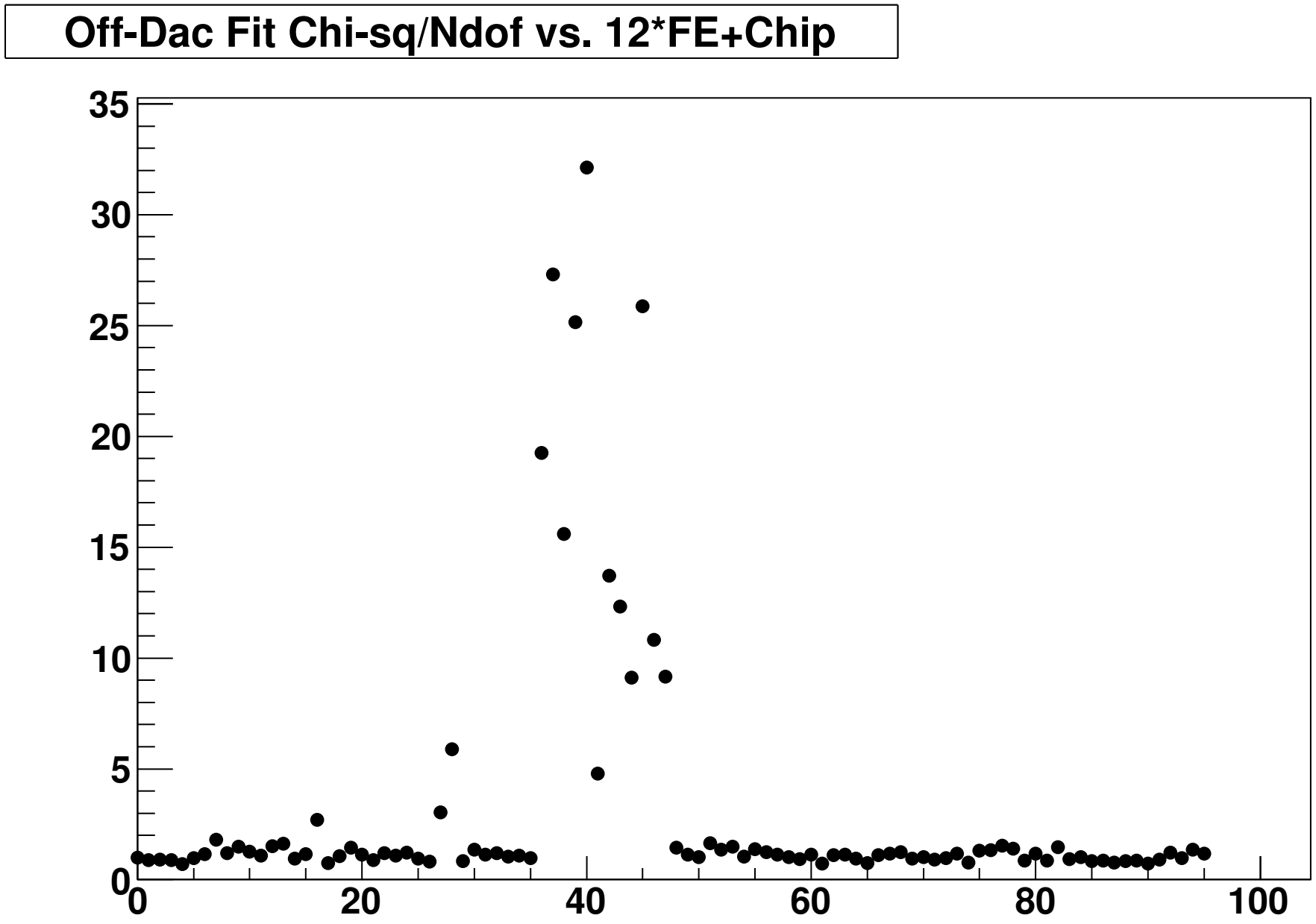

On-Dac Fit Baseline Noise vs. 12*FE+Chip
400
350
300
250
200
150
100
50
0
0
20
40
60
80
100

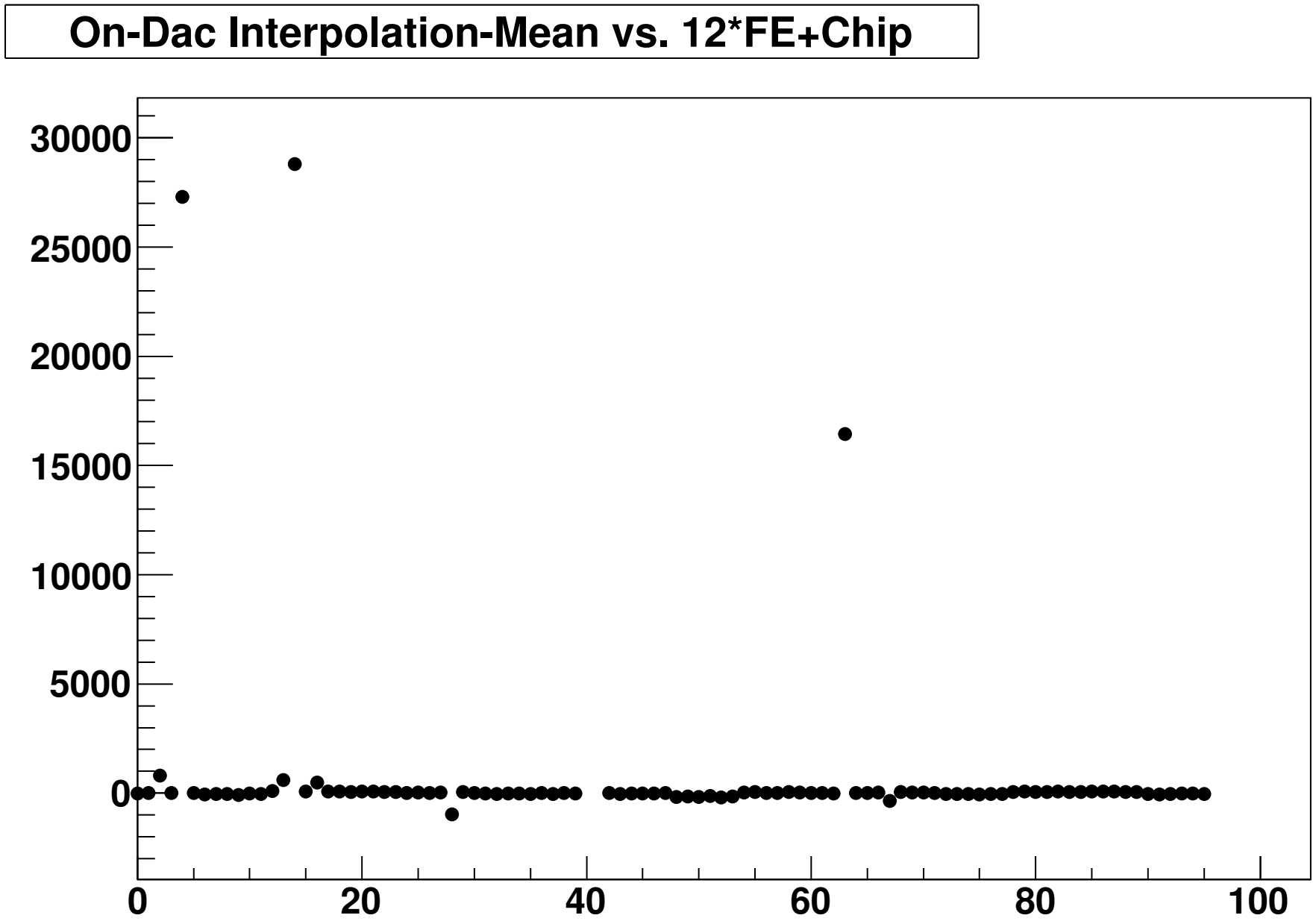

On-Dac Fit Dac Noise vs. 12*FE+Chip
0.06
0.05
0.04
0.03
0.02
0.01
0
0
20
40
60
80
100

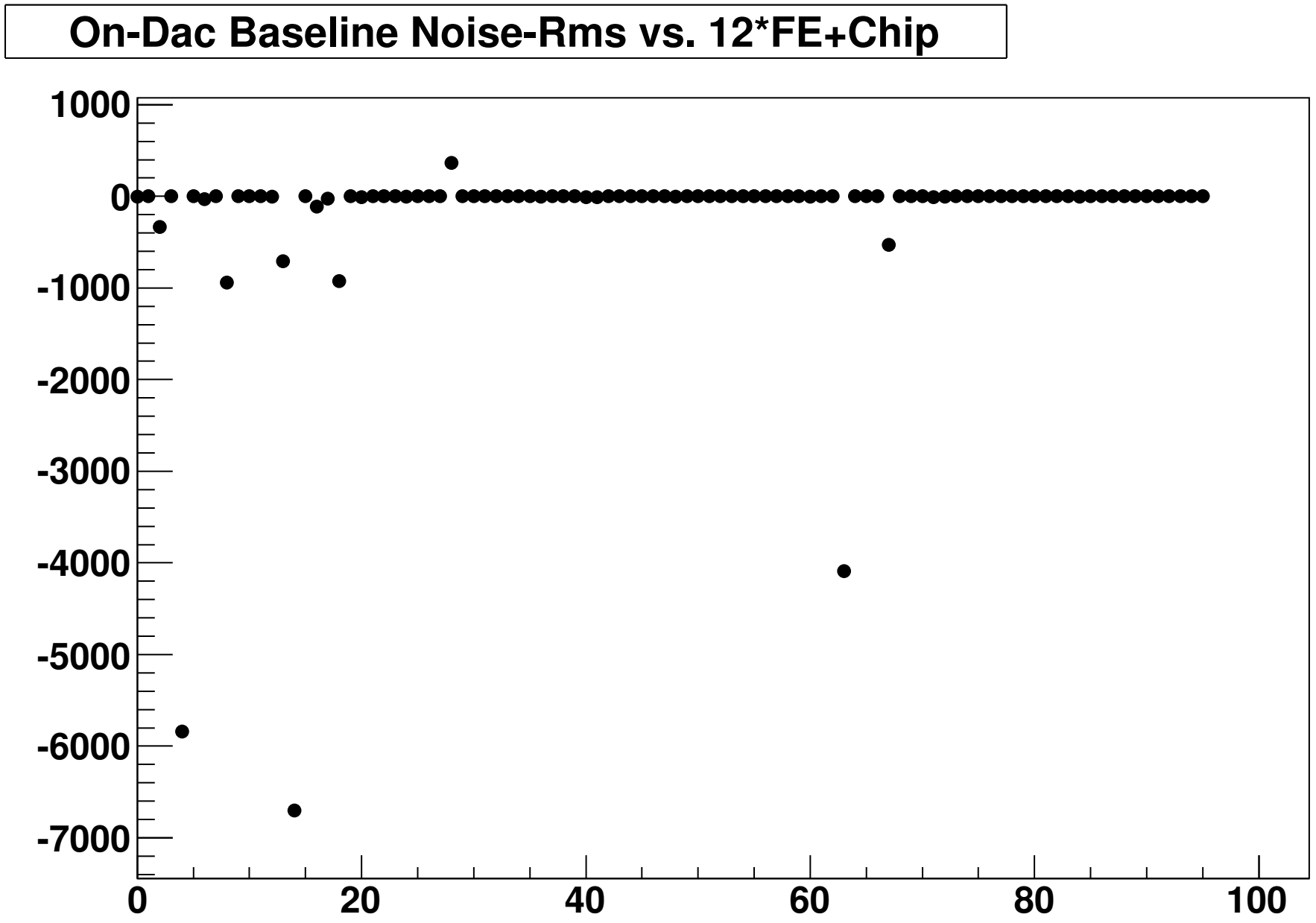

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

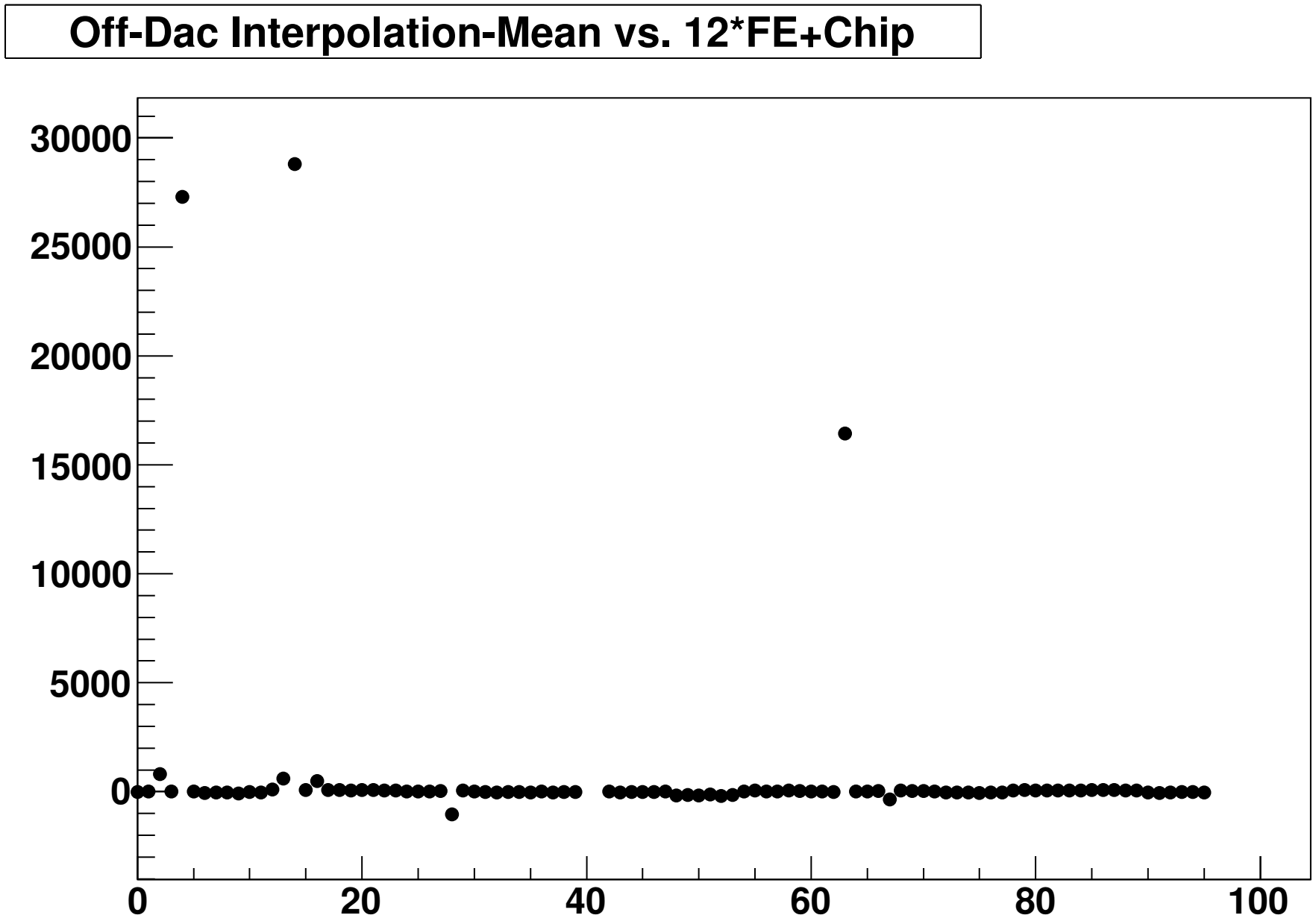

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
250
200
150
100
50
0
0
20
40
60
80
100

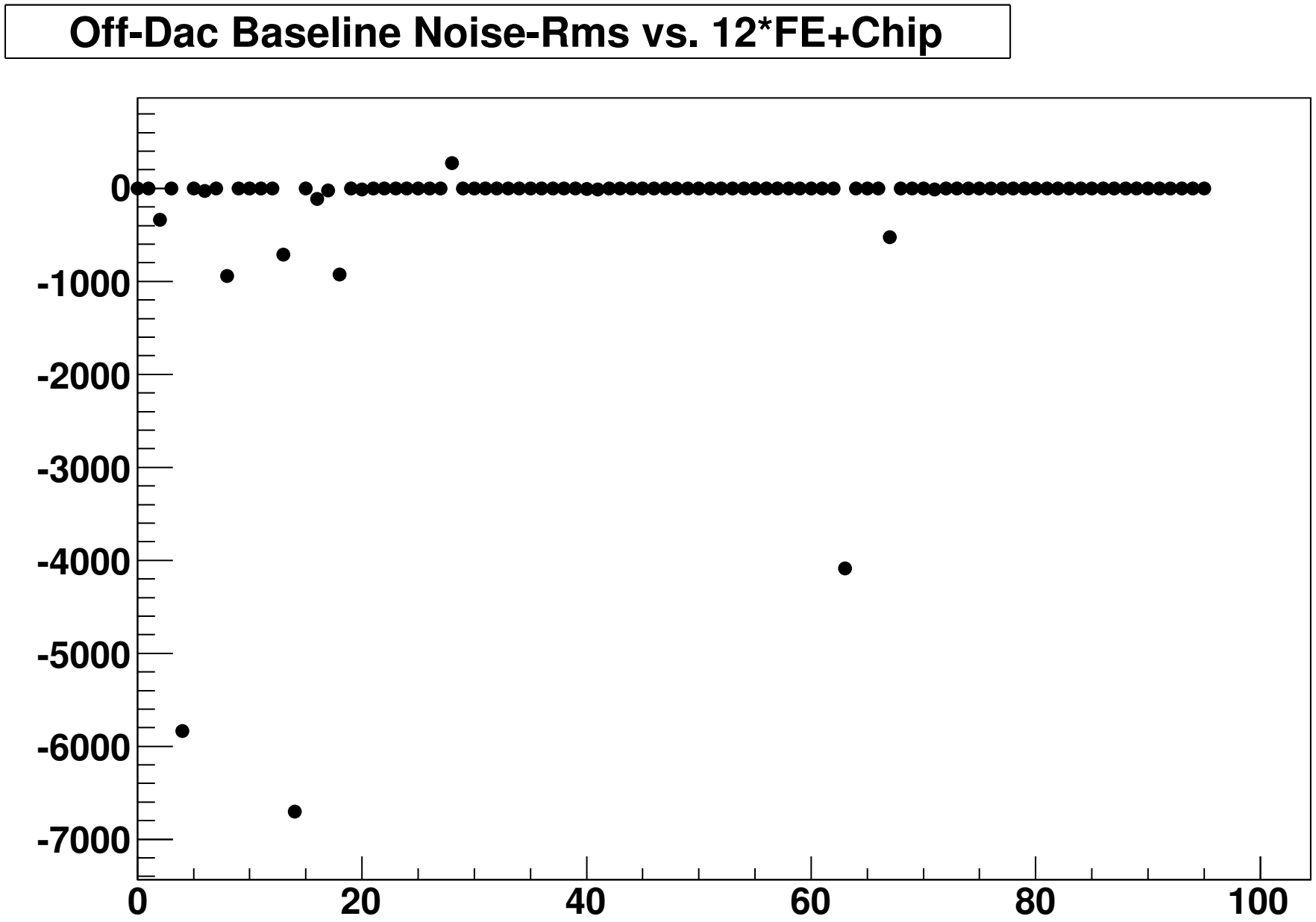

Off-Dac Fit Dac Noise vs. 12*FE+Chip
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
35
30
25
20
15
10
5
0
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
1000
0
-1000
-2000
-3000
-4000
-5000
-6000
-7000
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
30000
25000
20000
15000
10000
5000
0
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
-5000
-6000
-7000
0
20
40
60
80
100