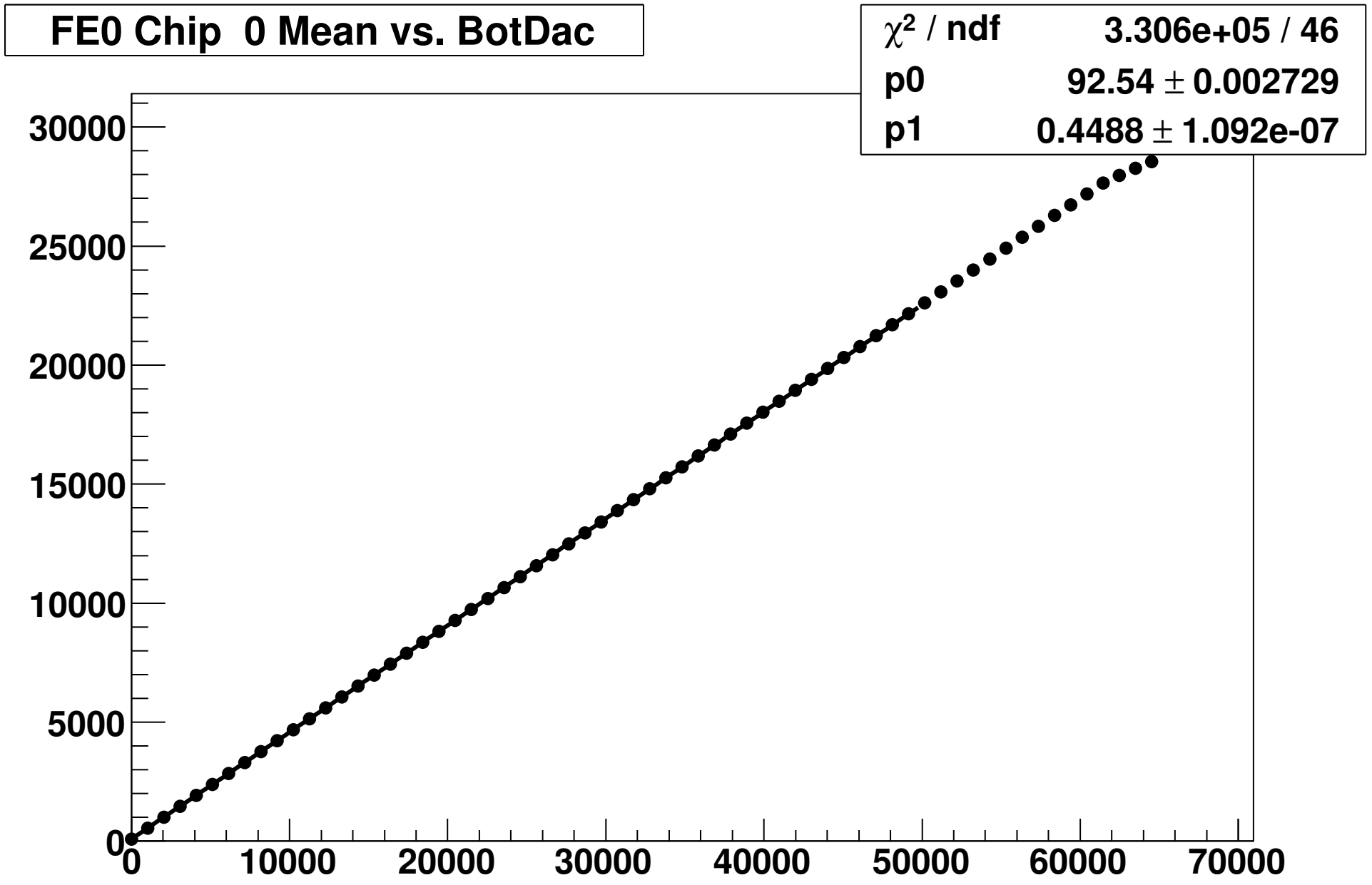
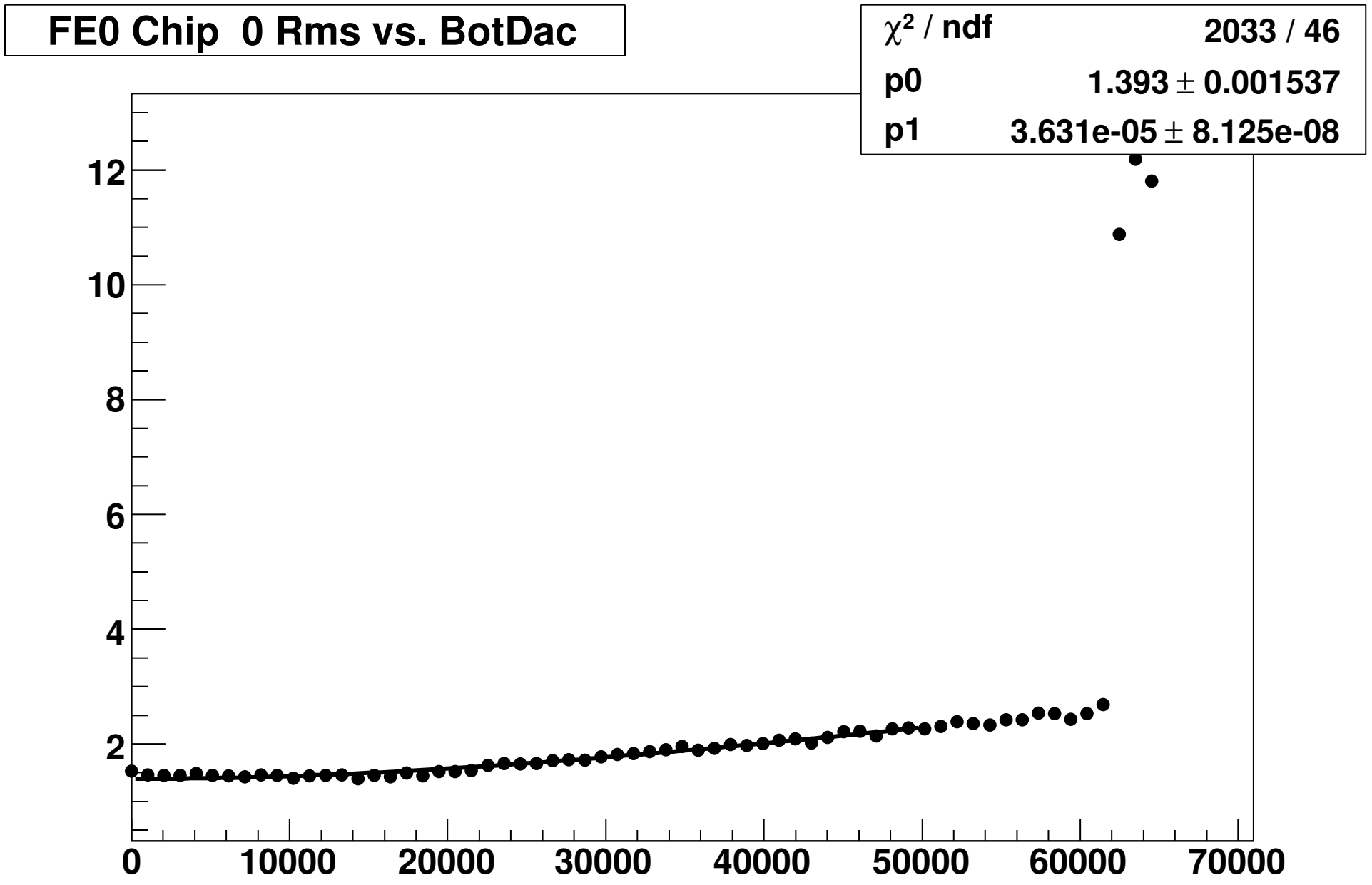
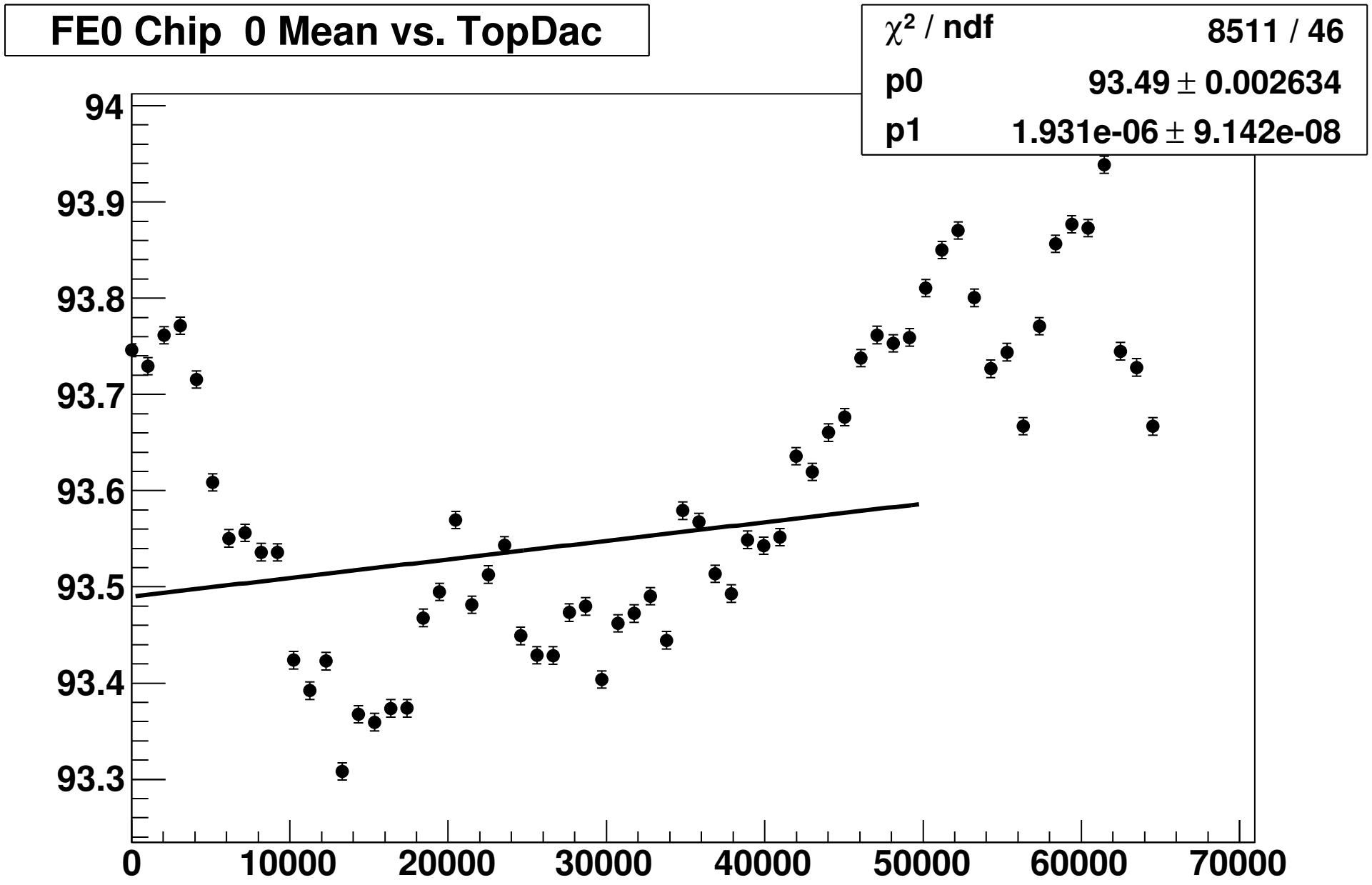
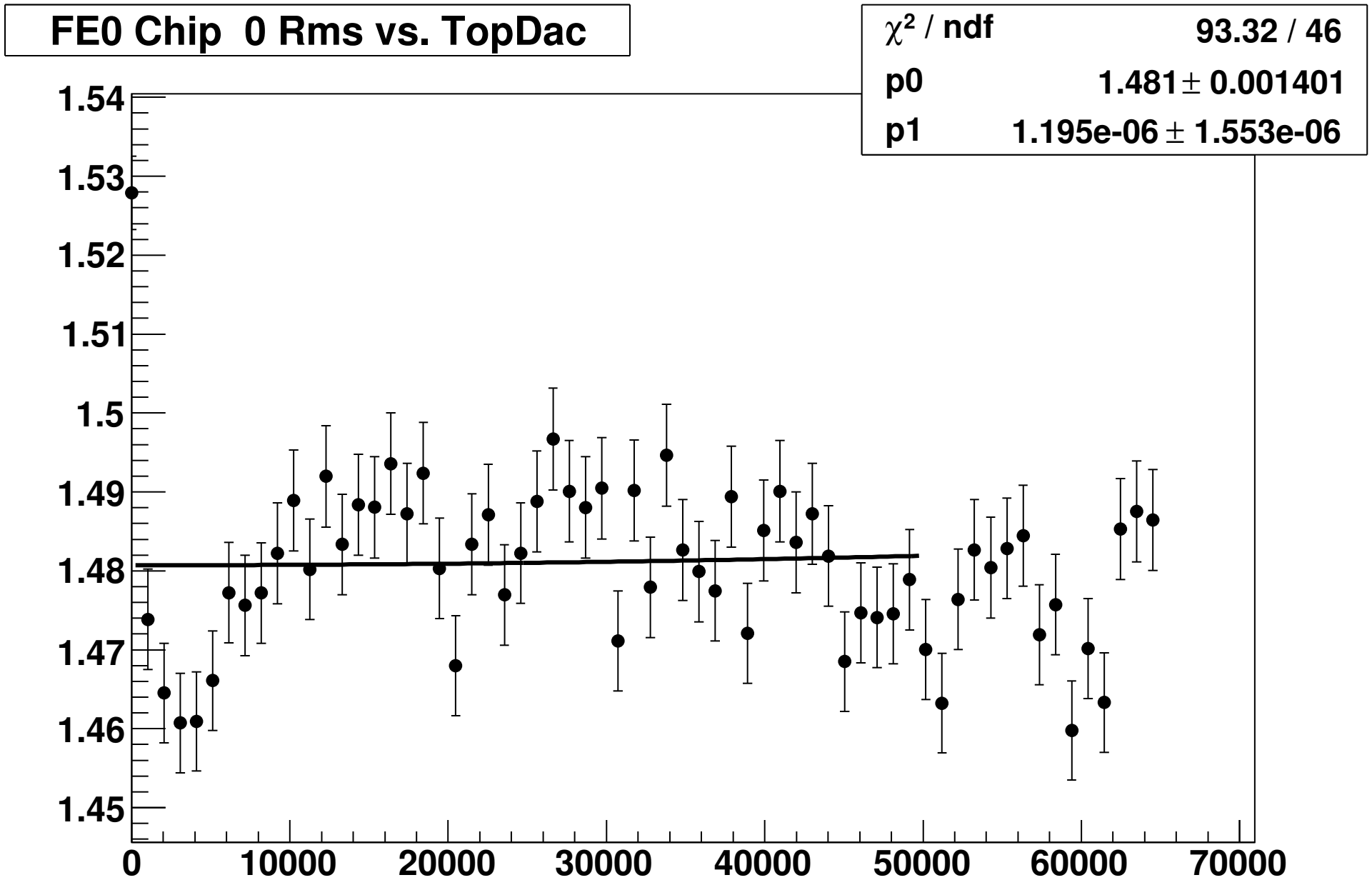

FE0 Chip 0 Mean vs. BotDac
χ² / ndf 3.306e+05 / 46
p0 92.54 ± 0.002729
p1 0.4488 ± 1.092e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 2033 / 46
p0 1.393 ± 0.001537
p1 3.631e-05 ± 8.125e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 8511 / 46
p0 93.49 ± 0.002634
p1 1.931e-06 ± 9.142e-08
94
93.9
93.8
93.7
93.6
93.5
93.4
93.3
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 93.32 / 46
p0 1.481 ± 0.001401
p1 1.195e-06 ± 1.553e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
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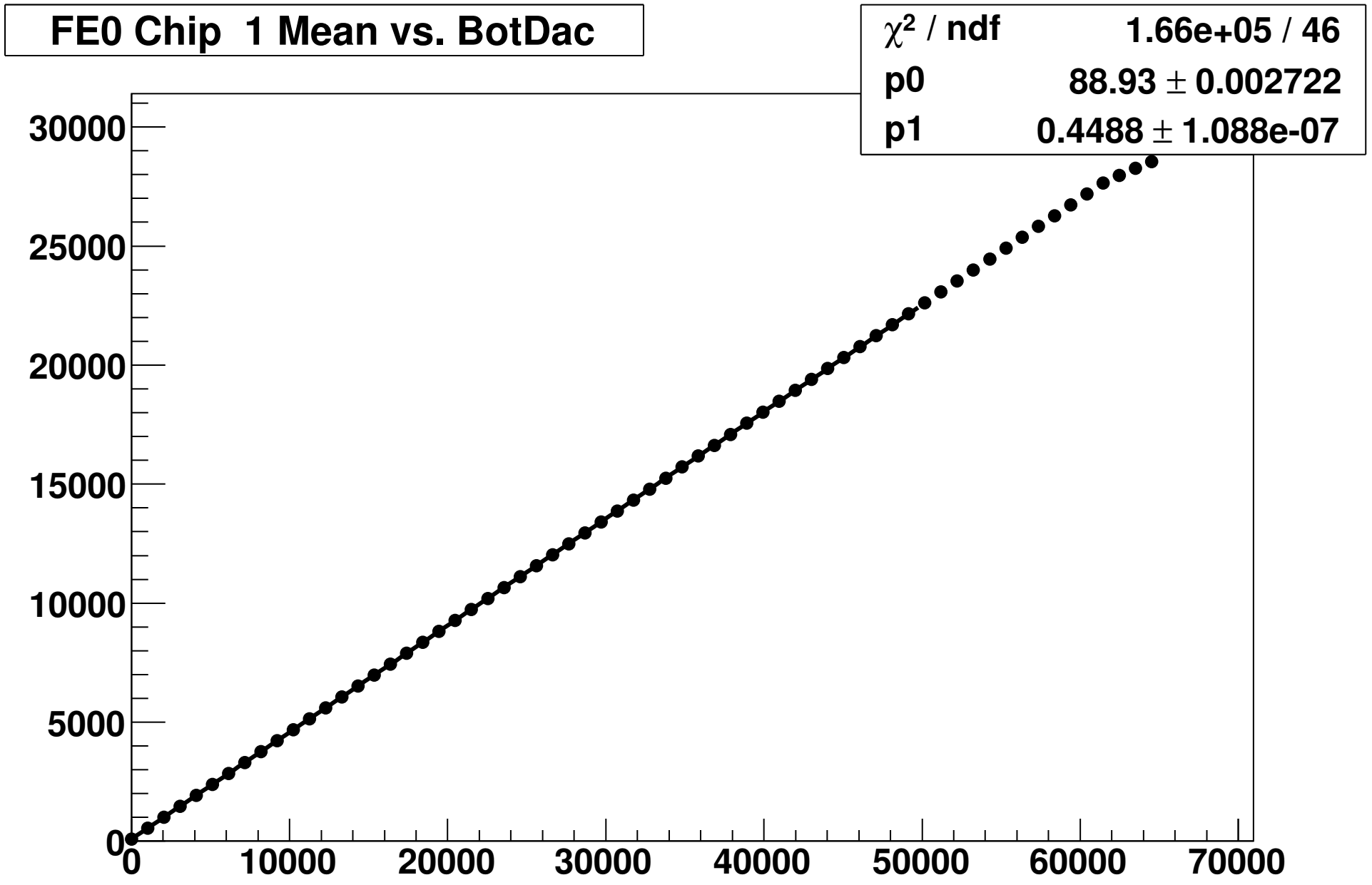
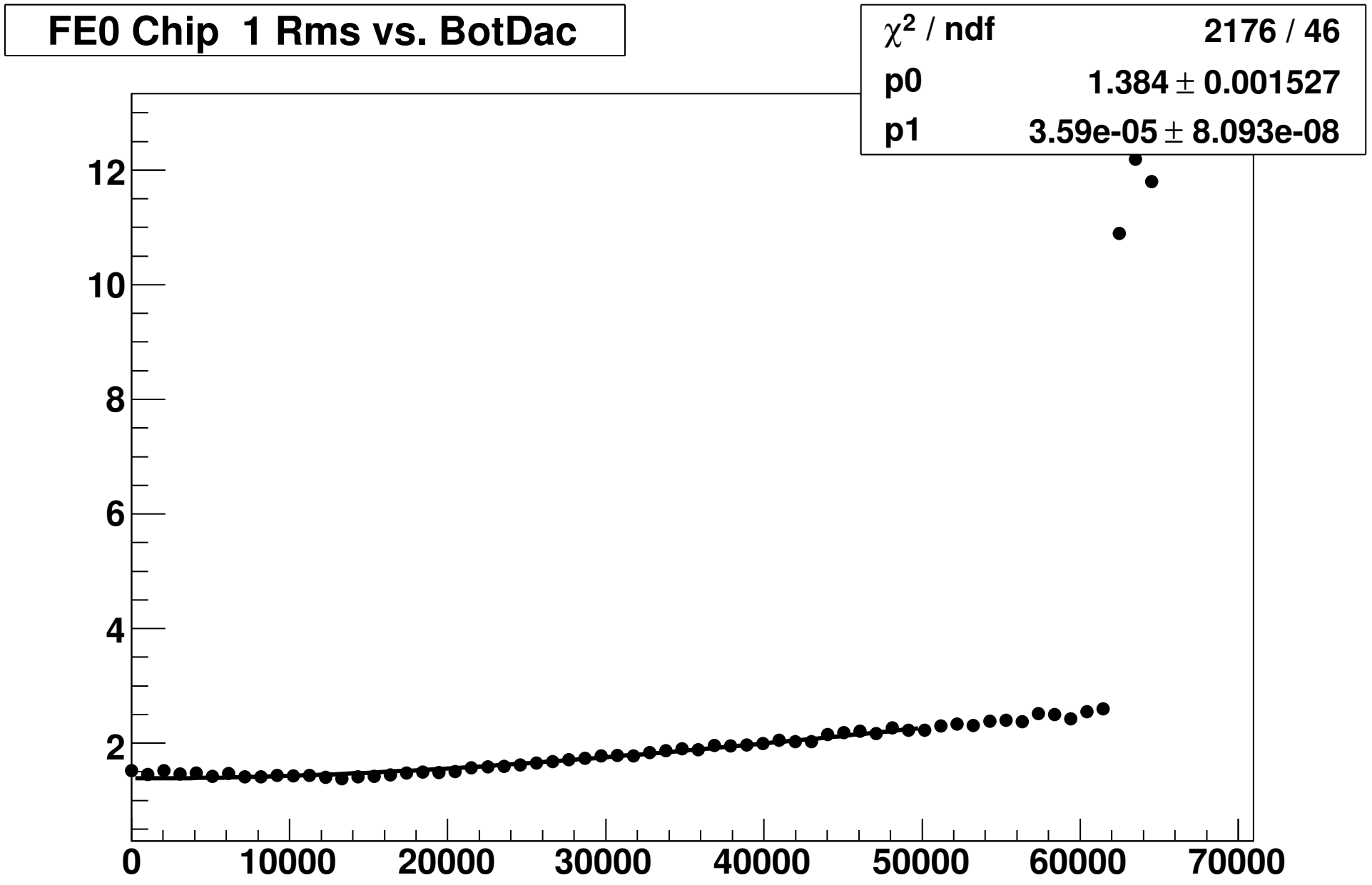
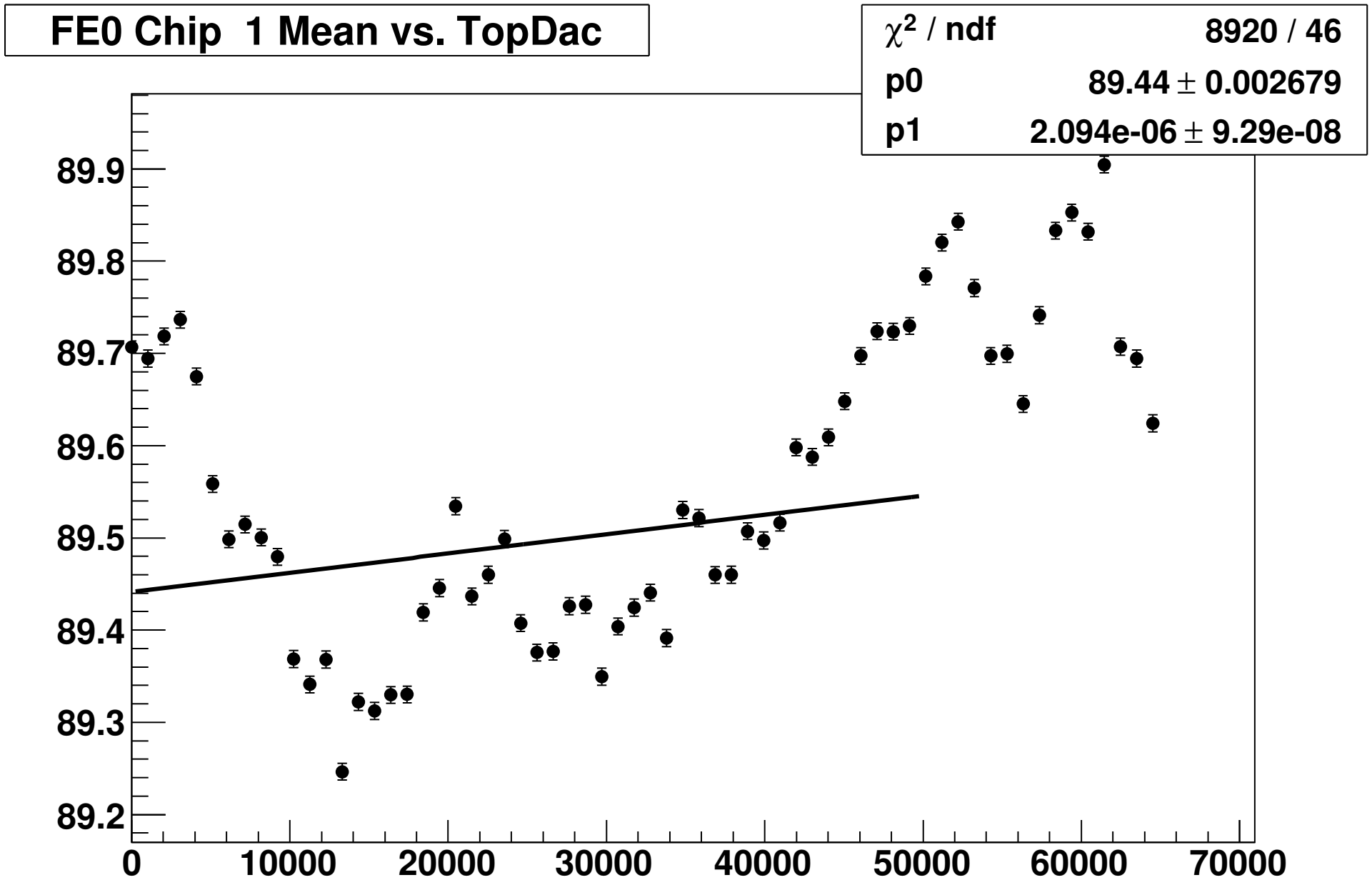
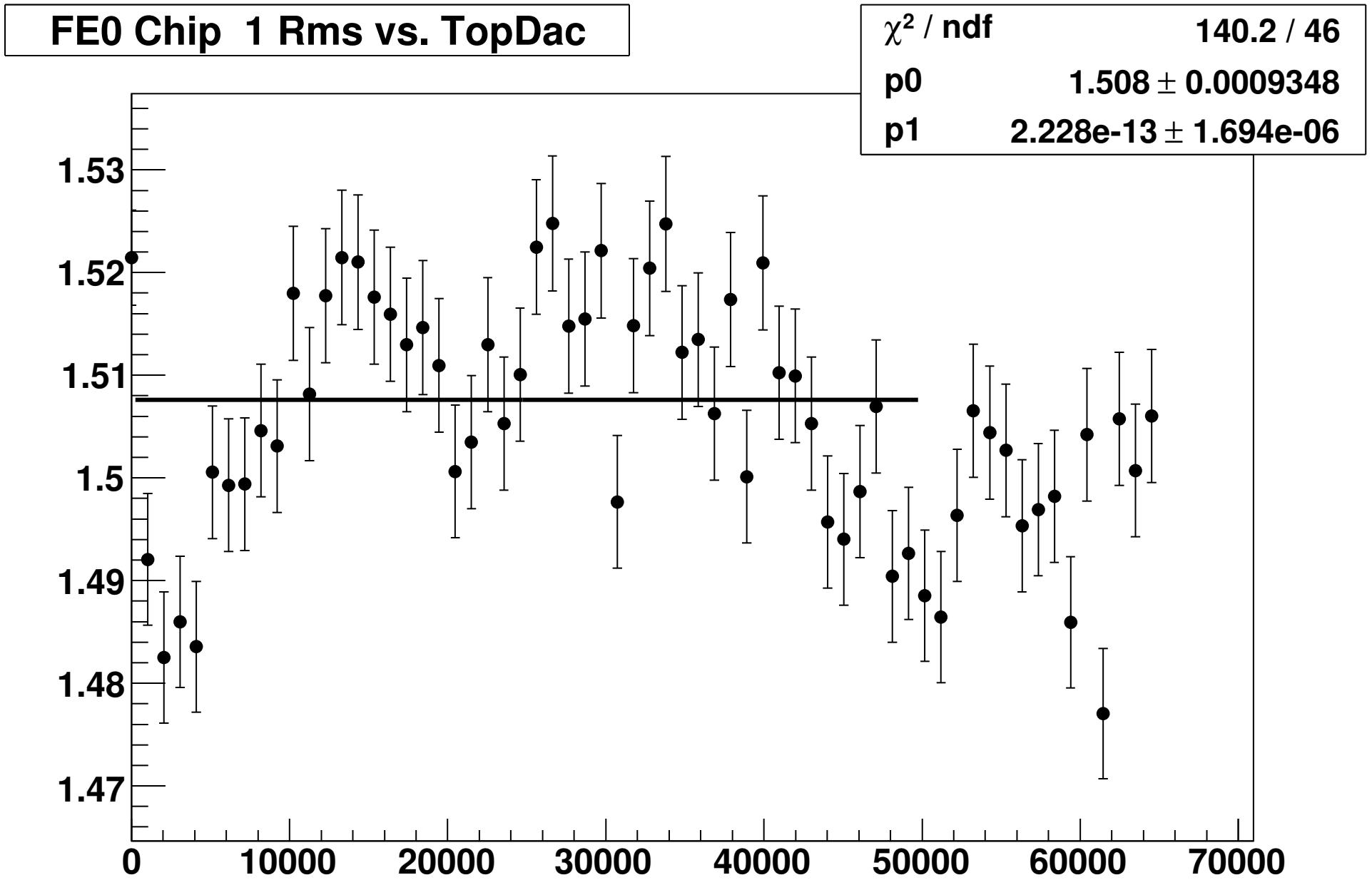
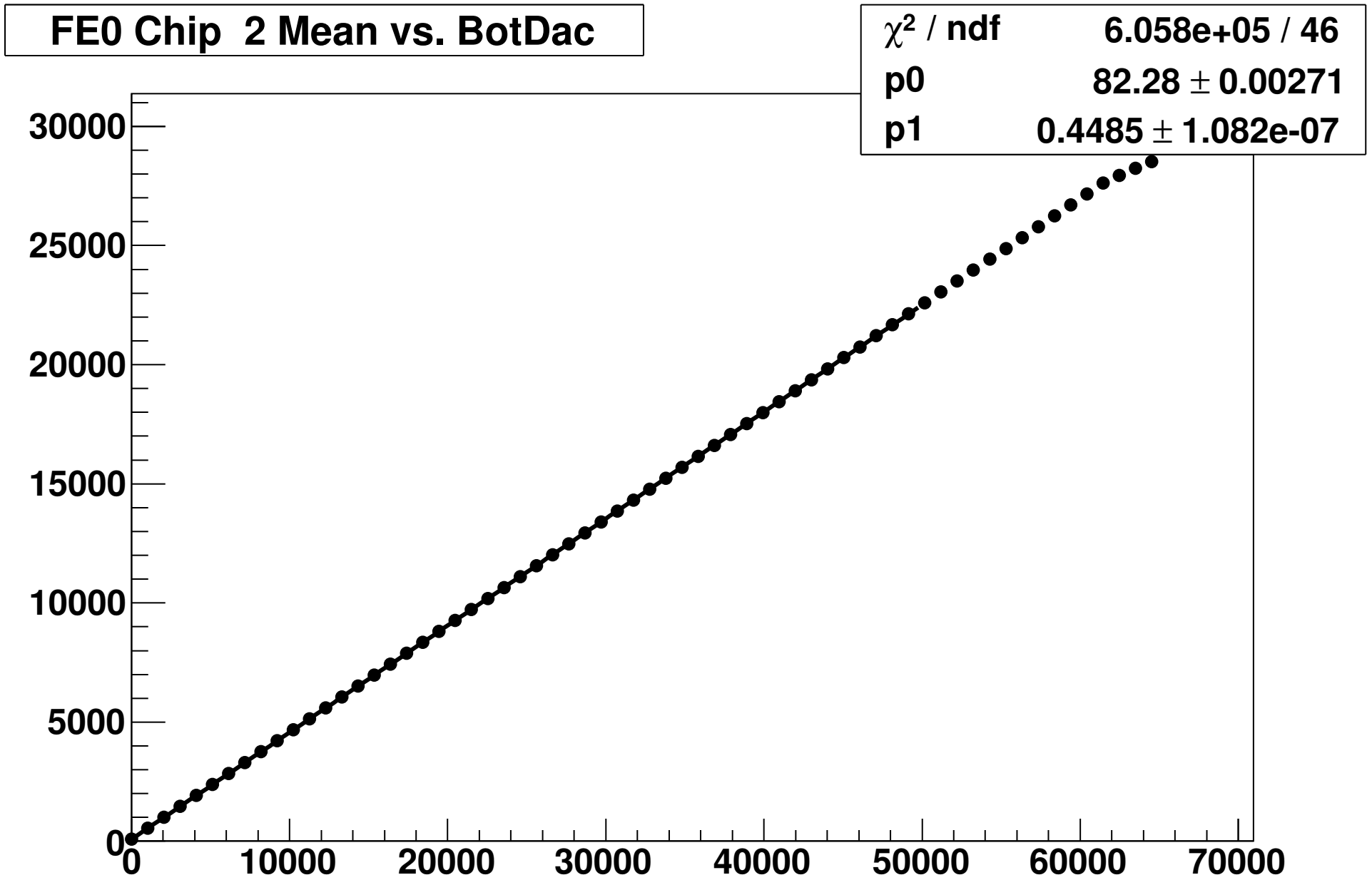
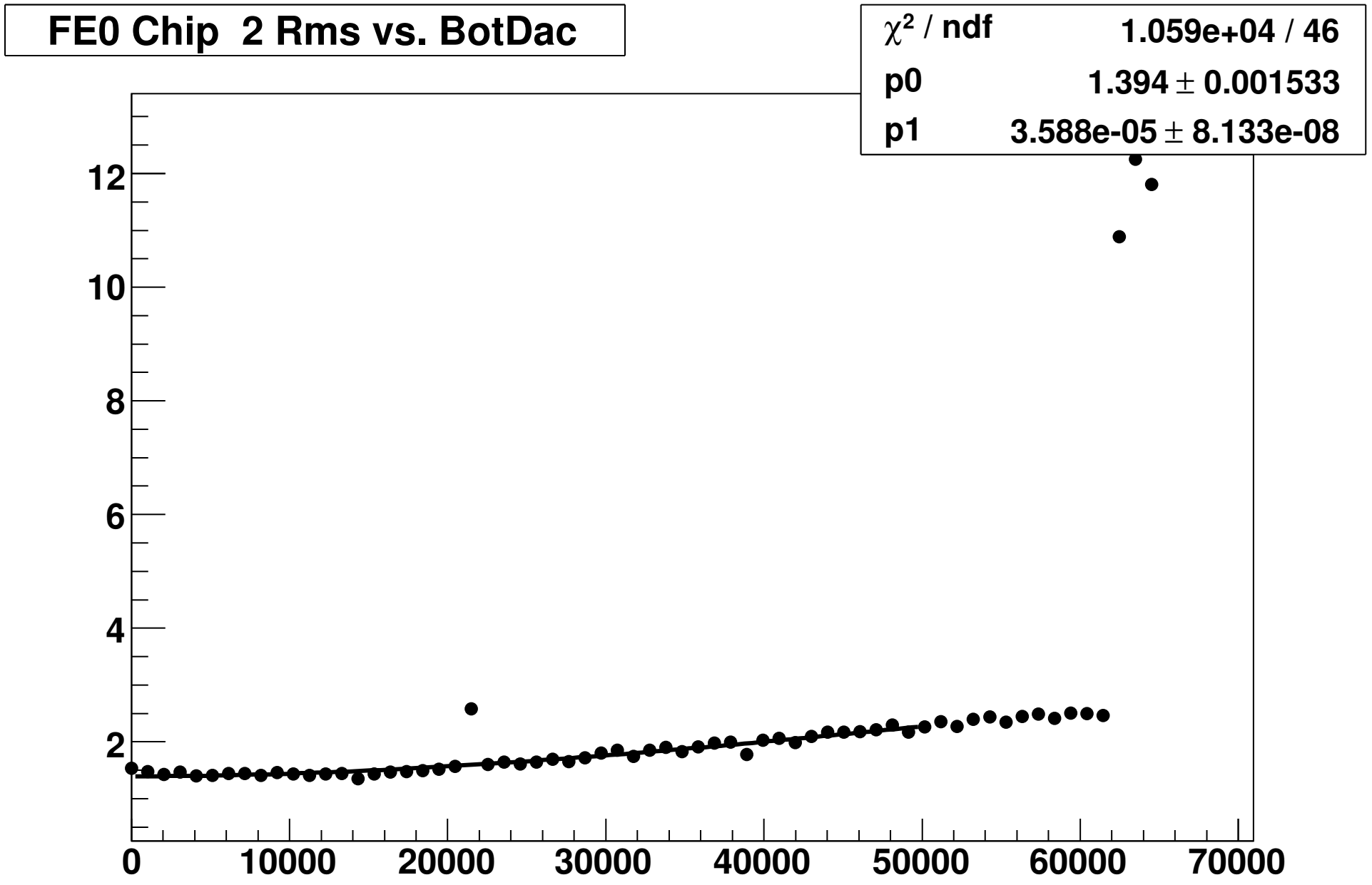

FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.66e+05 / 46
p0 88.93 ± 0.002722
p1 0.4488 ± 1.088e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

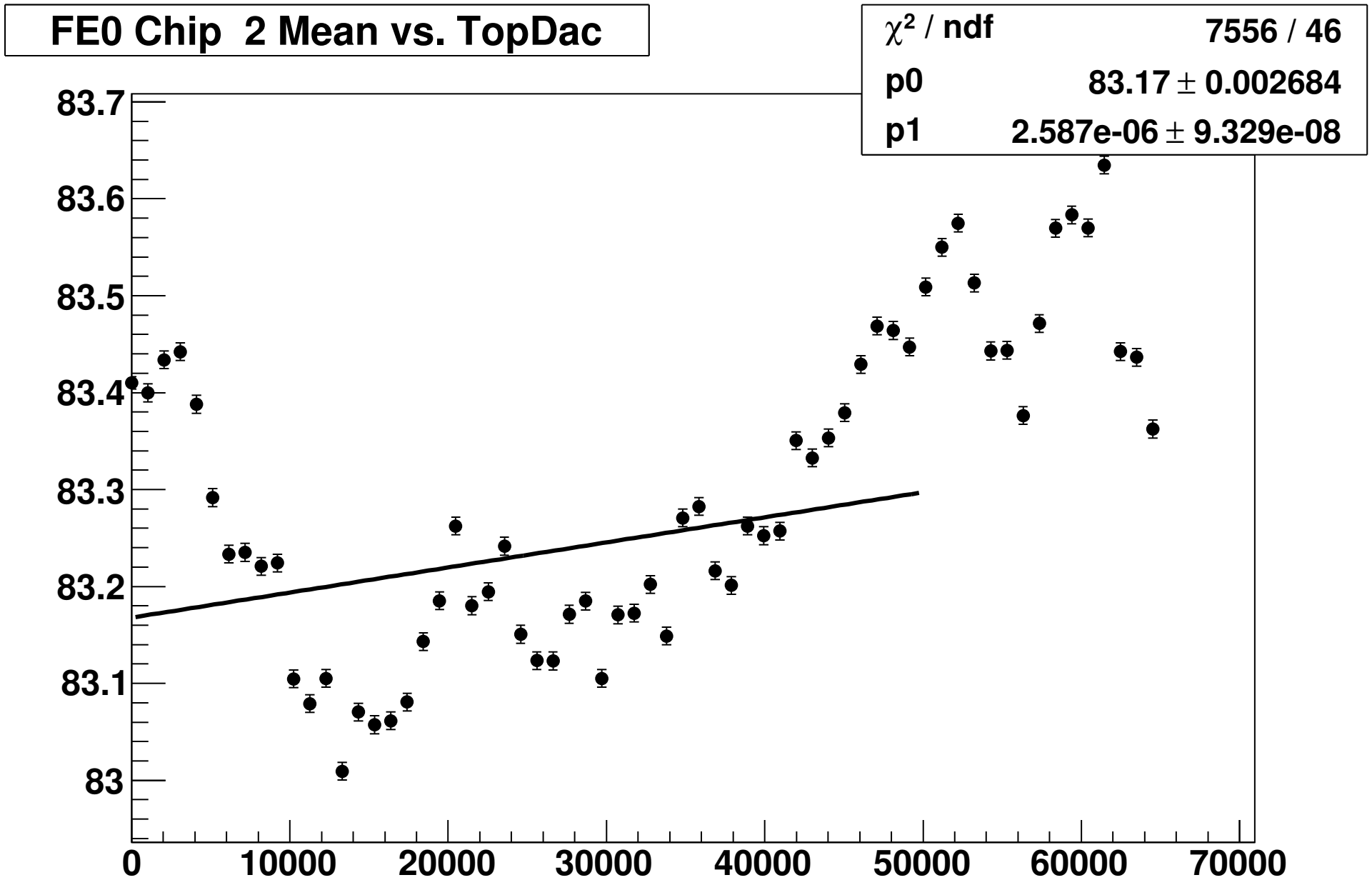

FE0 Chip 1 Rms vs. BotDac
χ² / ndf 2176 / 46
p0 1.384 ± 0.001527
p1 3.59e-05 ± 8.093e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

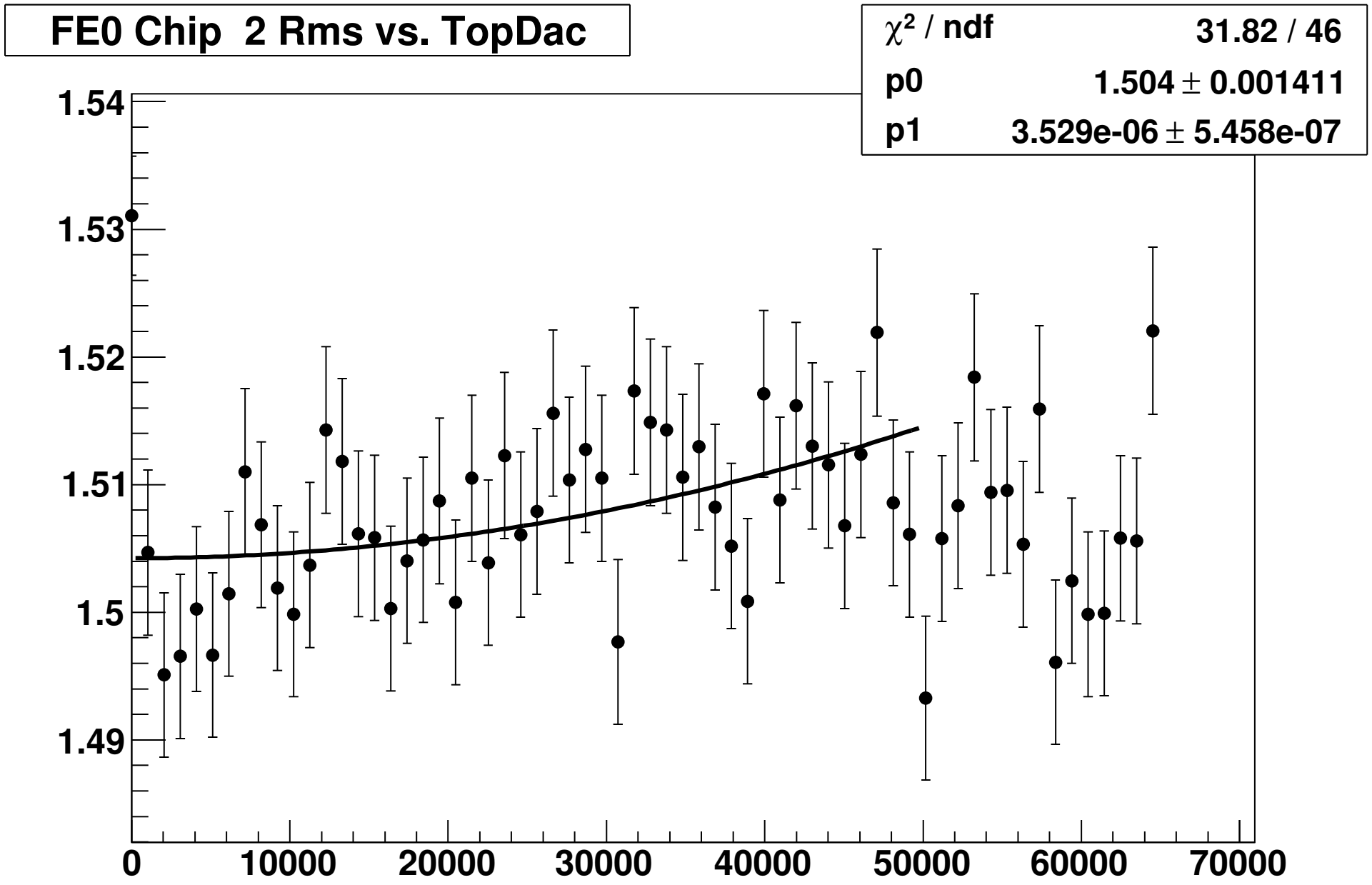

FE0 Chip 1 Mean vs. TopDac
χ² / ndf 8920 / 46
p0 89.44 ± 0.002679
p1 2.094e-06 ± 9.29e-08
89.9
89.8
89.7
89.6
89.5
89.4
89.3
89.2
0
10000
20000
30000
40000
50000
60000
70000

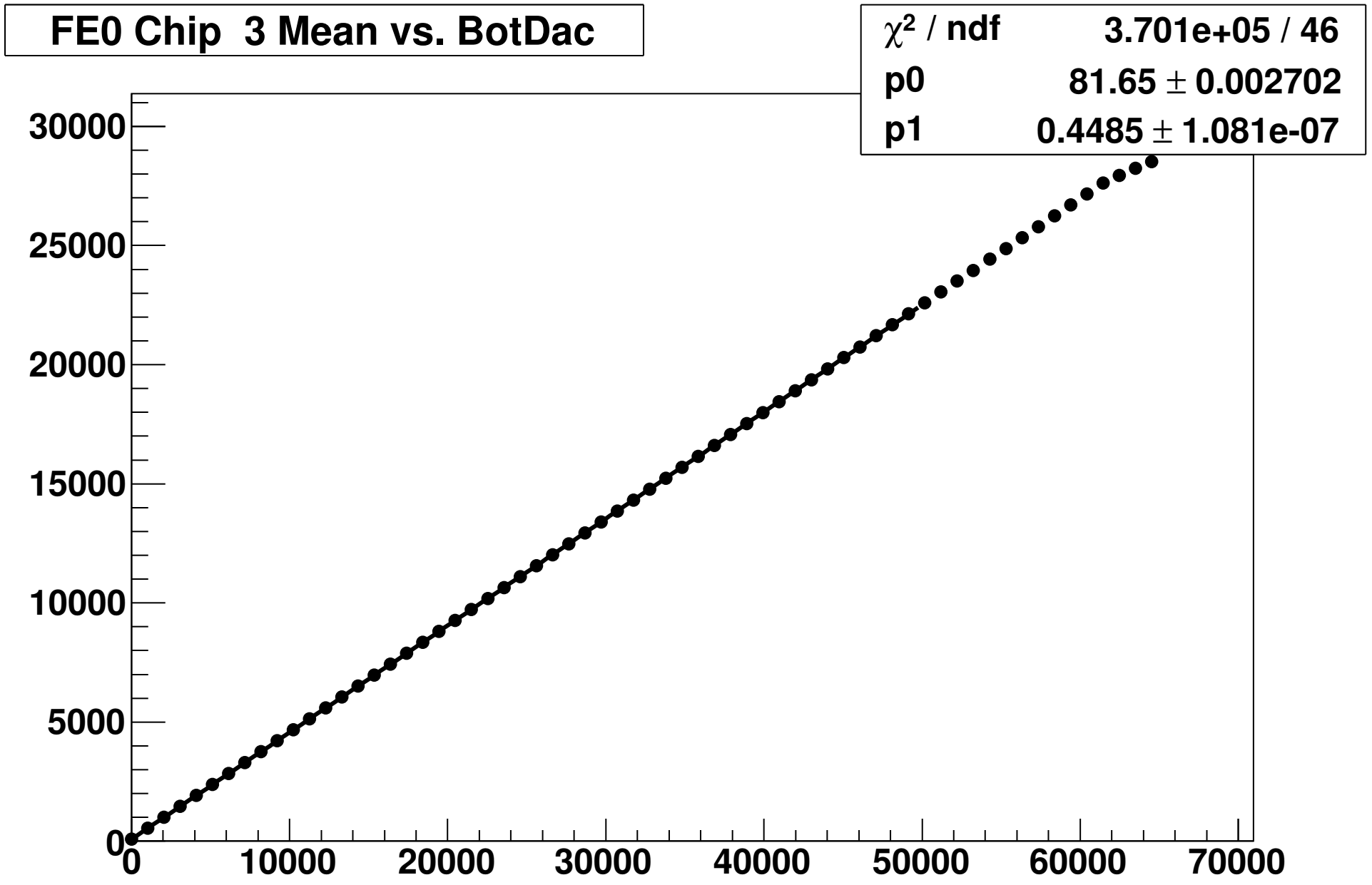

FE0 Chip 1 Rms vs. TopDac
χ² / ndf 140.2 / 46
p0 1.508 ± 0.0009348
p1 2.228e-13 ± 1.694e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

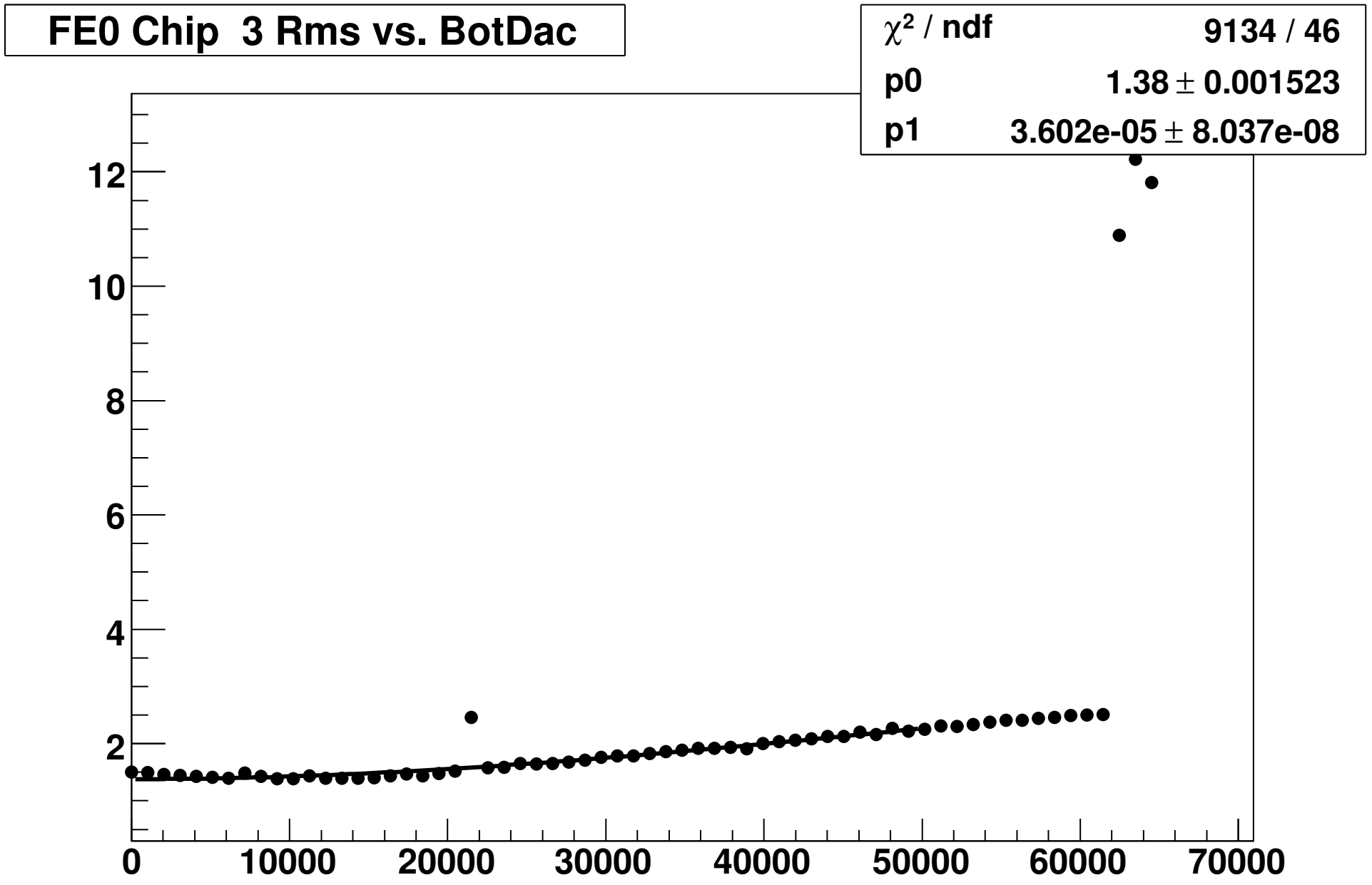

FE0 Chip 2 Mean vs. BotDac
χ² / ndf 6.058e+05 / 46
p0 82.28 ± 0.00271
p1 0.4485 ± 1.082e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

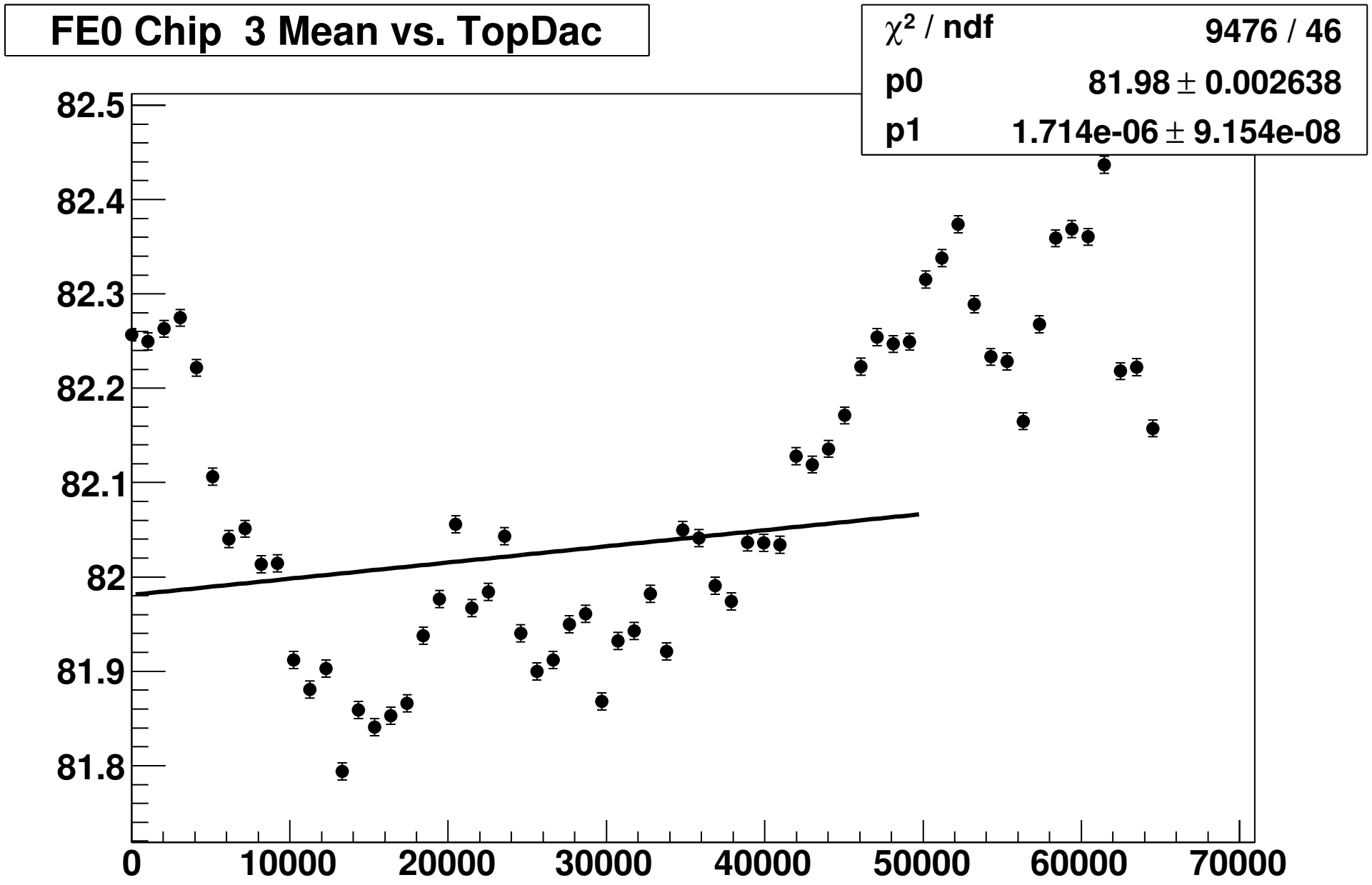

FE0 Chip 2 Rms vs. BotDac
χ² / ndf 1.059e+04 / 46
p0 1.394 ± 0.001533
p1 3.588e-05 ± 8.133e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

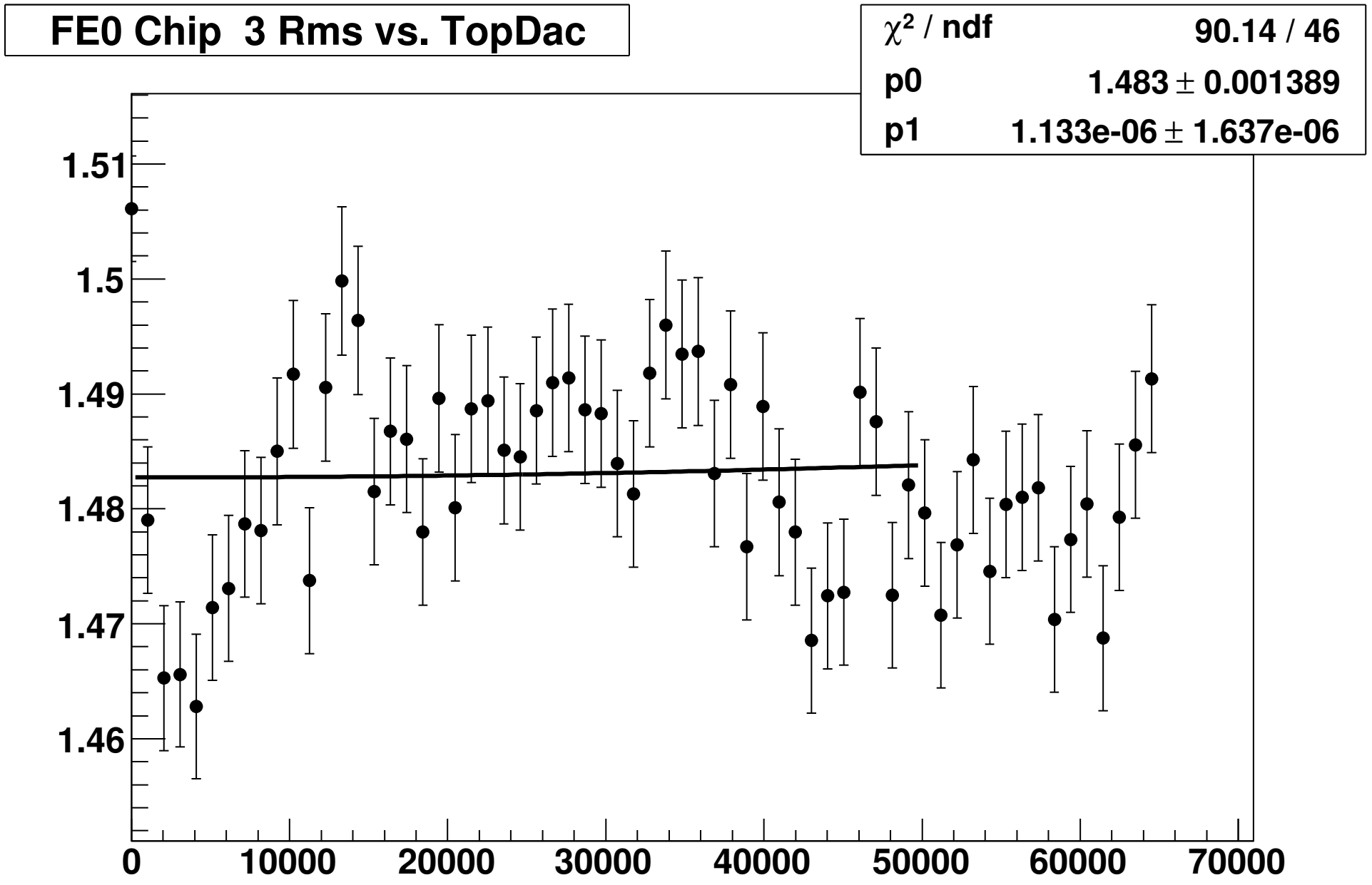

FE0 Chip 2 Mean vs. TopDac
χ² / ndf 7556 / 46
p0 83.17 ± 0.002684
p1 2.587e-06 ± 9.329e-08
83.7
83.6
83.5
83.4
83.3
83.2
83.1
83
0
10000
20000
30000
40000
50000
60000
70000

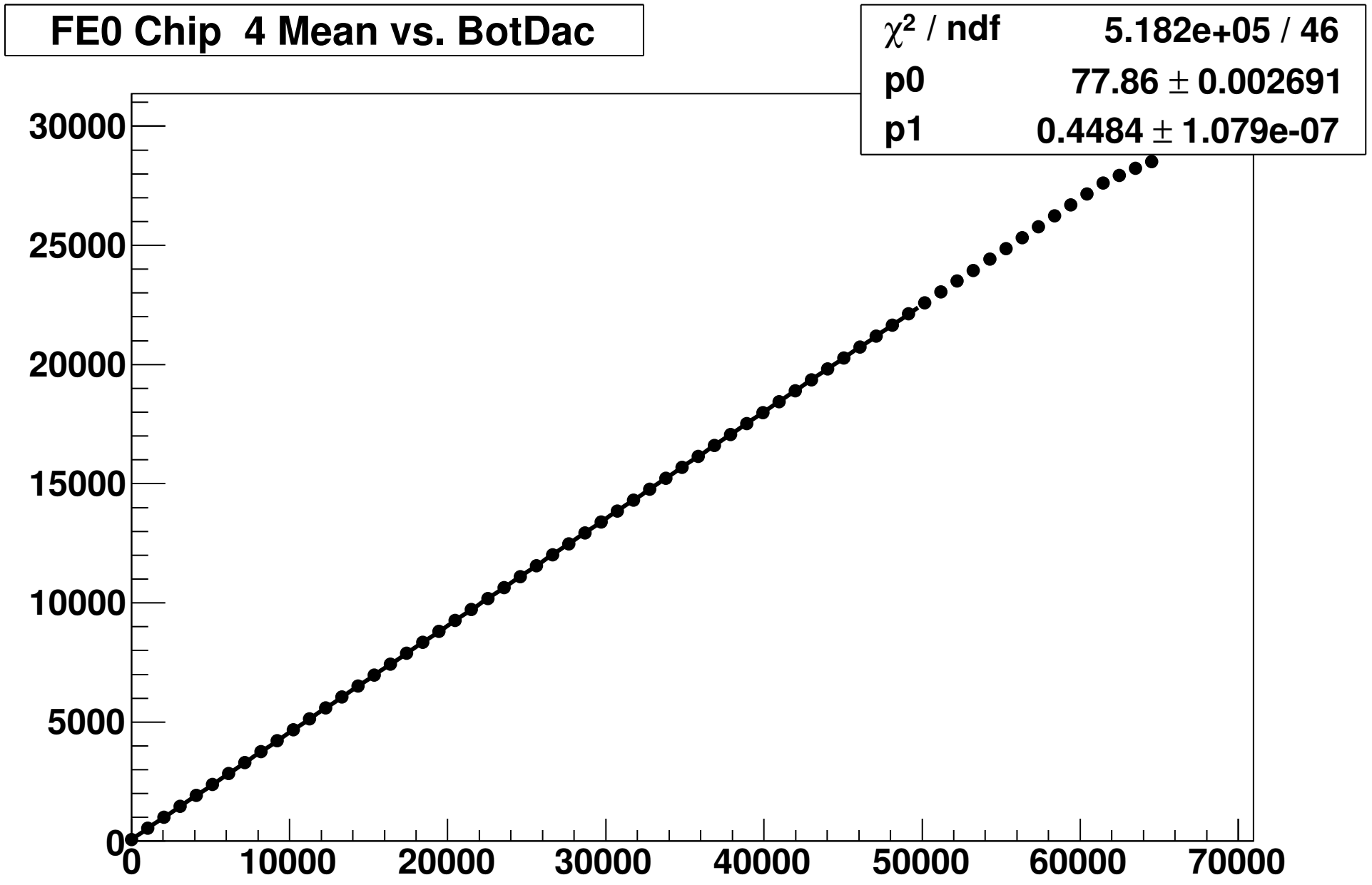

FE0 Chip 2 Rms vs. TopDac
χ² / ndf 31.82 / 46
p0 1.504 ± 0.001411
p1 3.529e-06 ± 5.458e-07
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

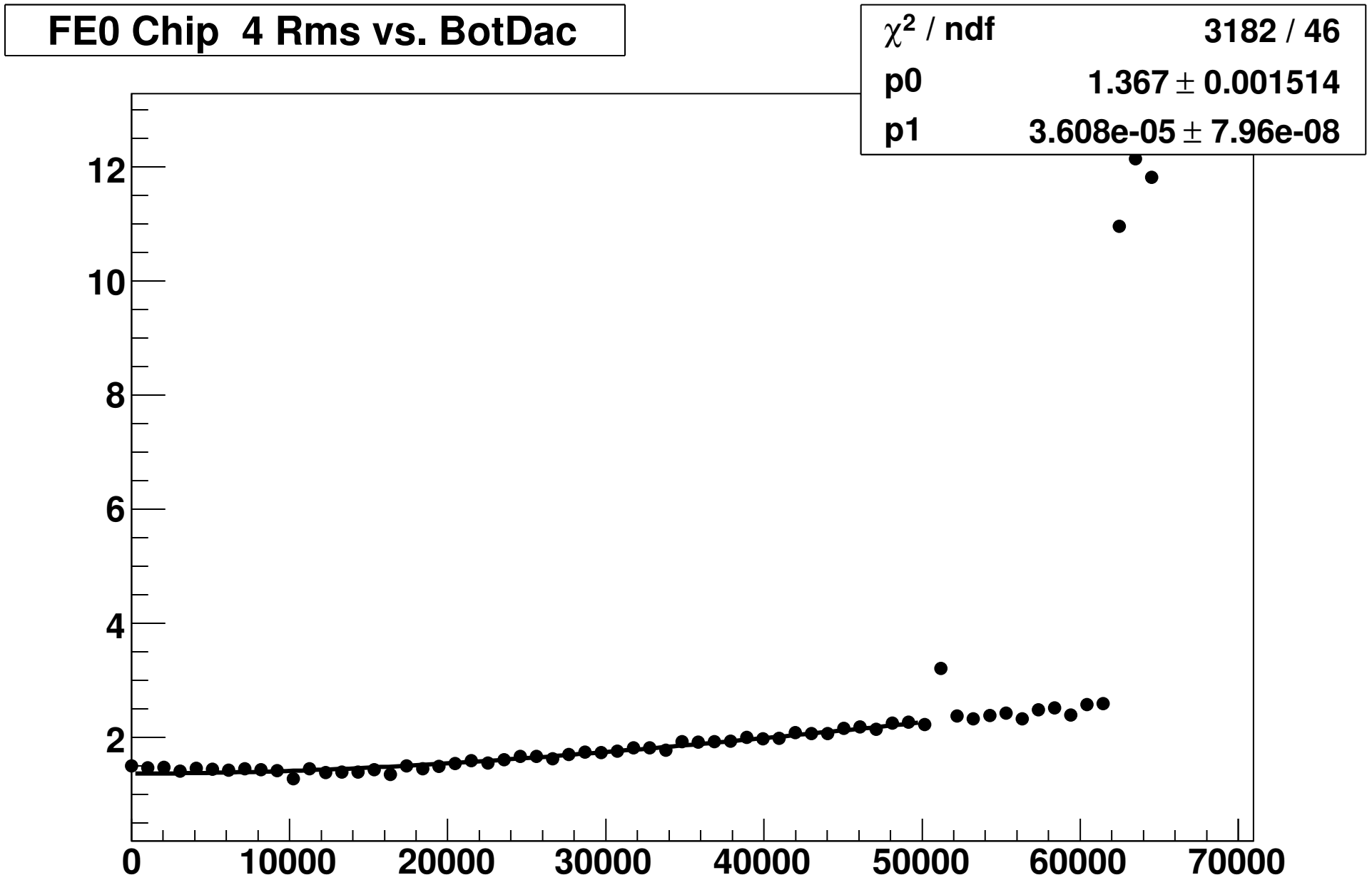

FE0 Chip 3 Mean vs. BotDac
χ² / ndf 3.701e+05 / 46
p0 81.65 ± 0.002702
p1 0.4485 ± 1.081e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

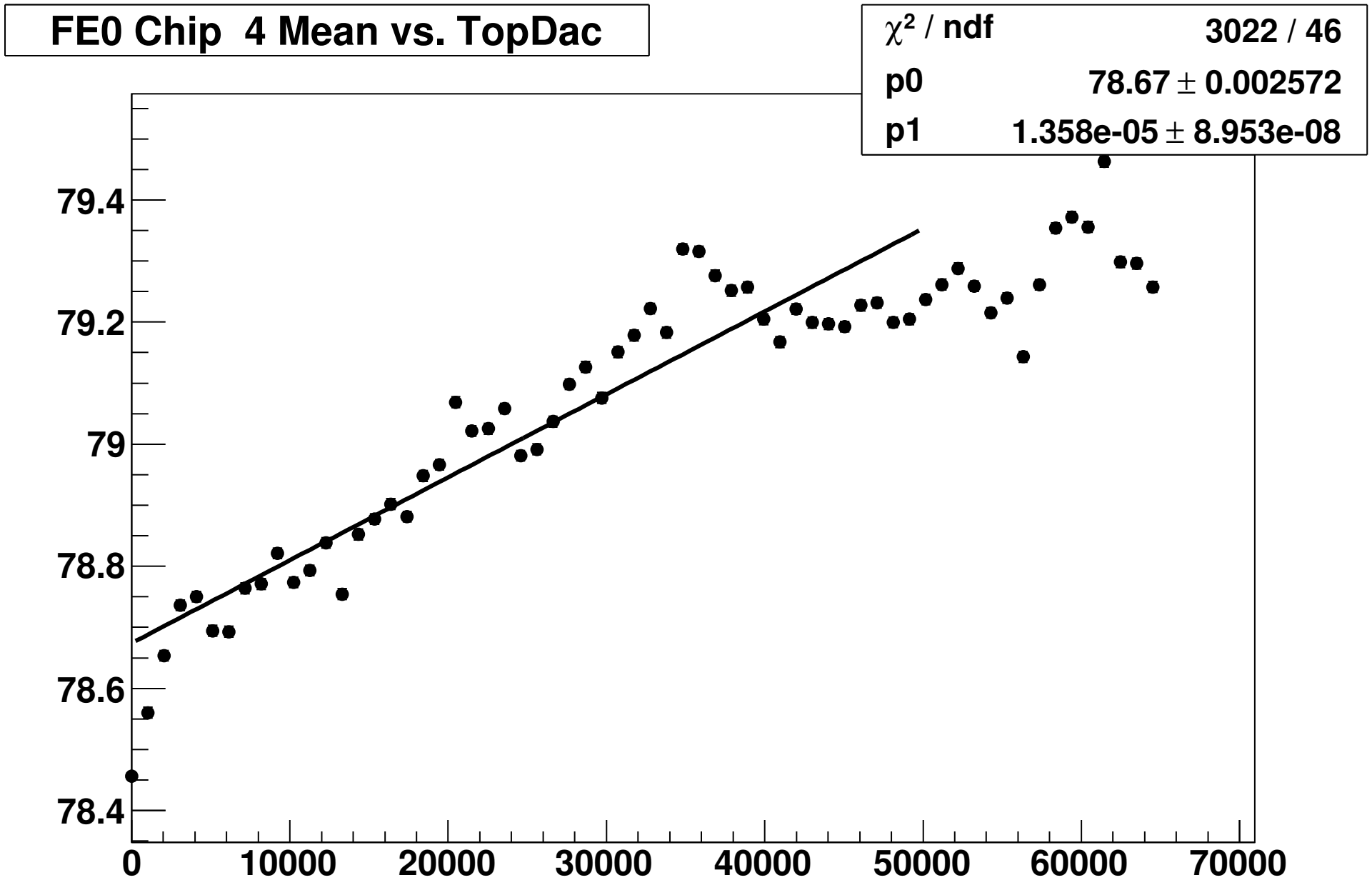

FE0 Chip 3 Rms vs. BotDac
χ² / ndf 9134 / 46
p0 1.38 ± 0.001523
p1 3.602e-05 ± 8.037e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

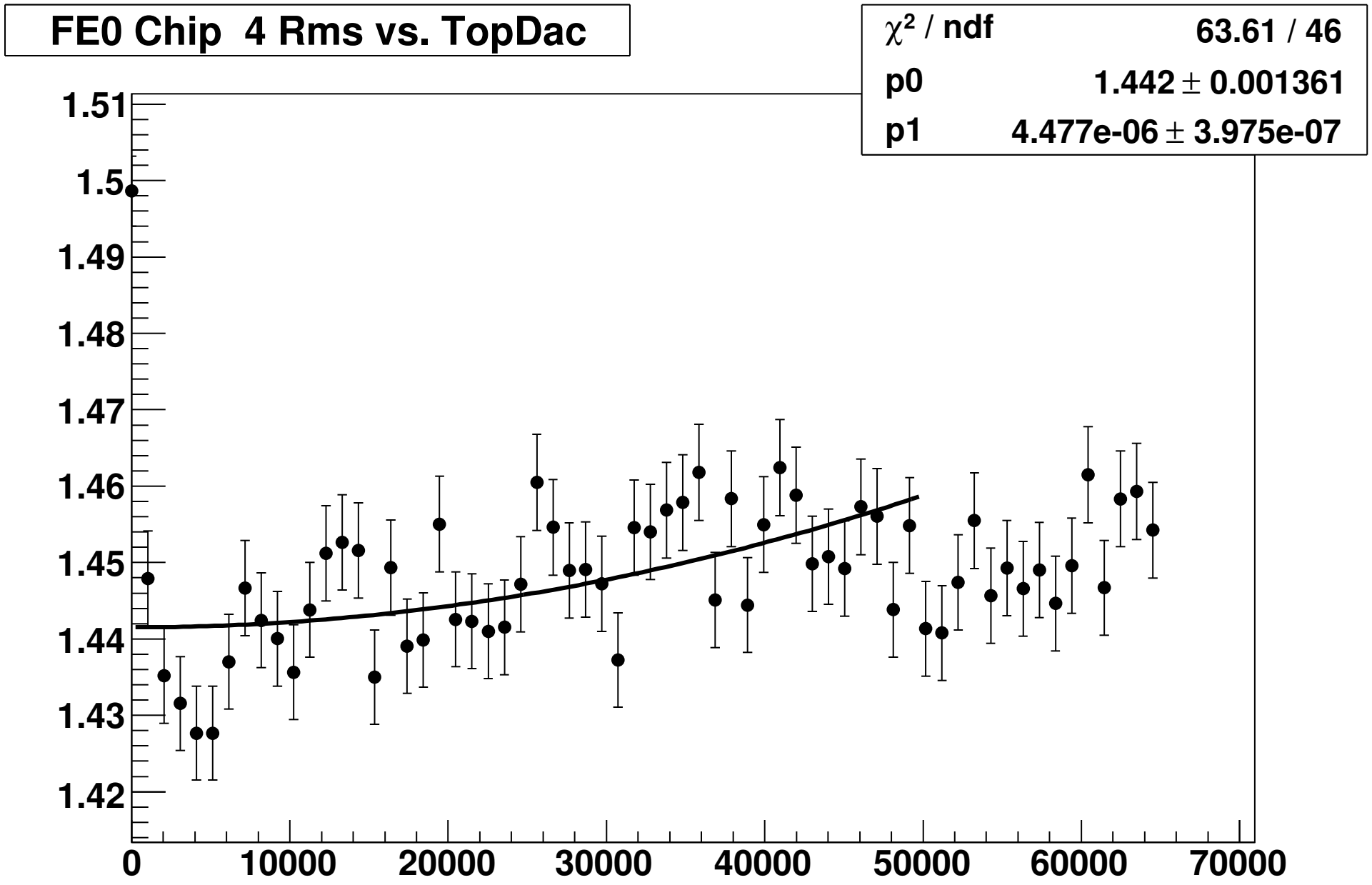

FE0 Chip 3 Mean vs. TopDac
χ² / ndf 9476 / 46
p0 81.98 ± 0.002638
p1 1.714e-06 ± 9.154e-08
82.5
82.4
82.3
82.2
82.1
82
81.9
81.8
0
10000
20000
30000
40000
50000
60000
70000

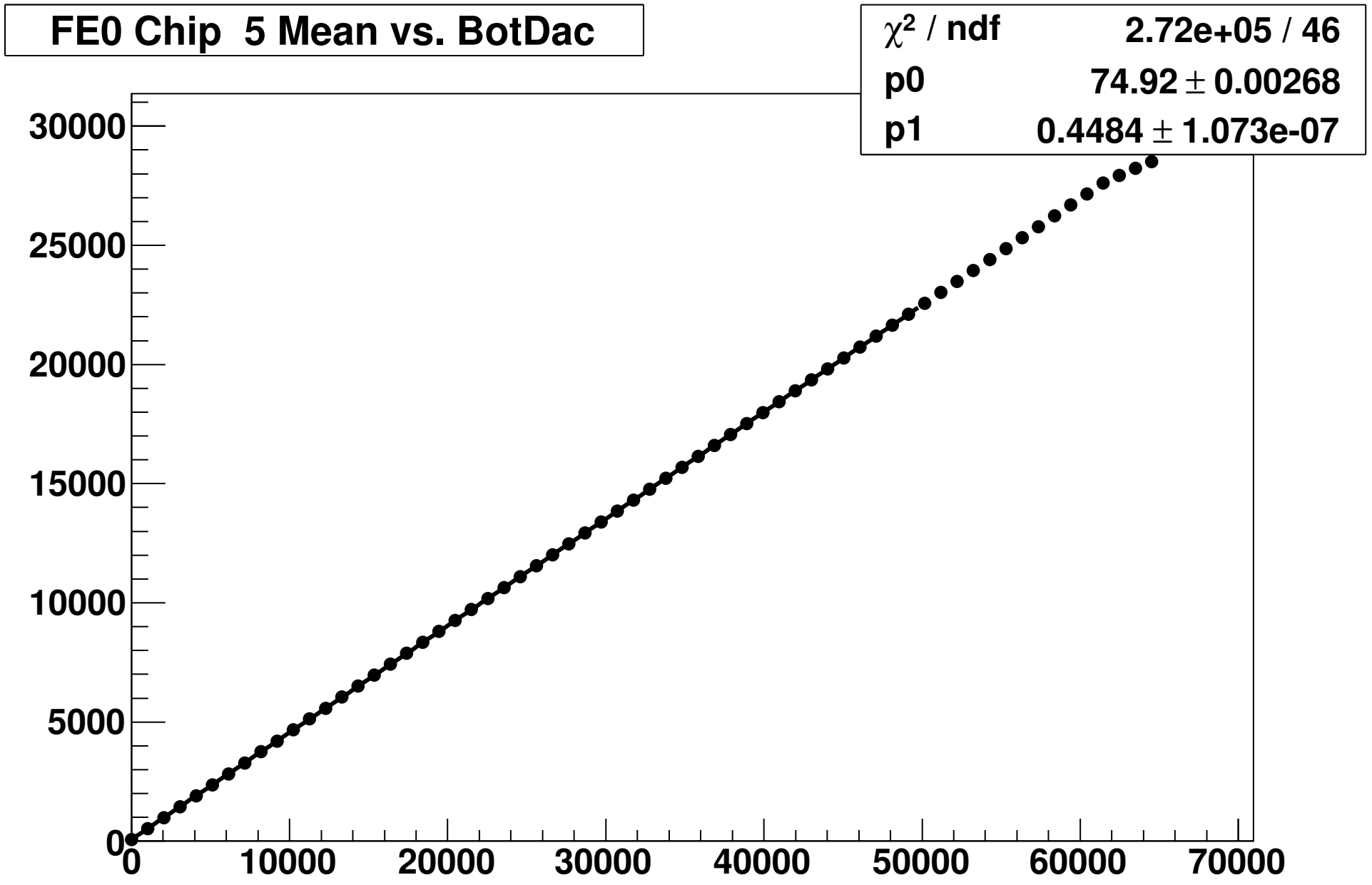

FE0 Chip 3 Rms vs. TopDac
χ² / ndf 90.14 / 46
p0 1.483 ± 0.001389
p1 1.133e-06 ± 1.637e-06
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

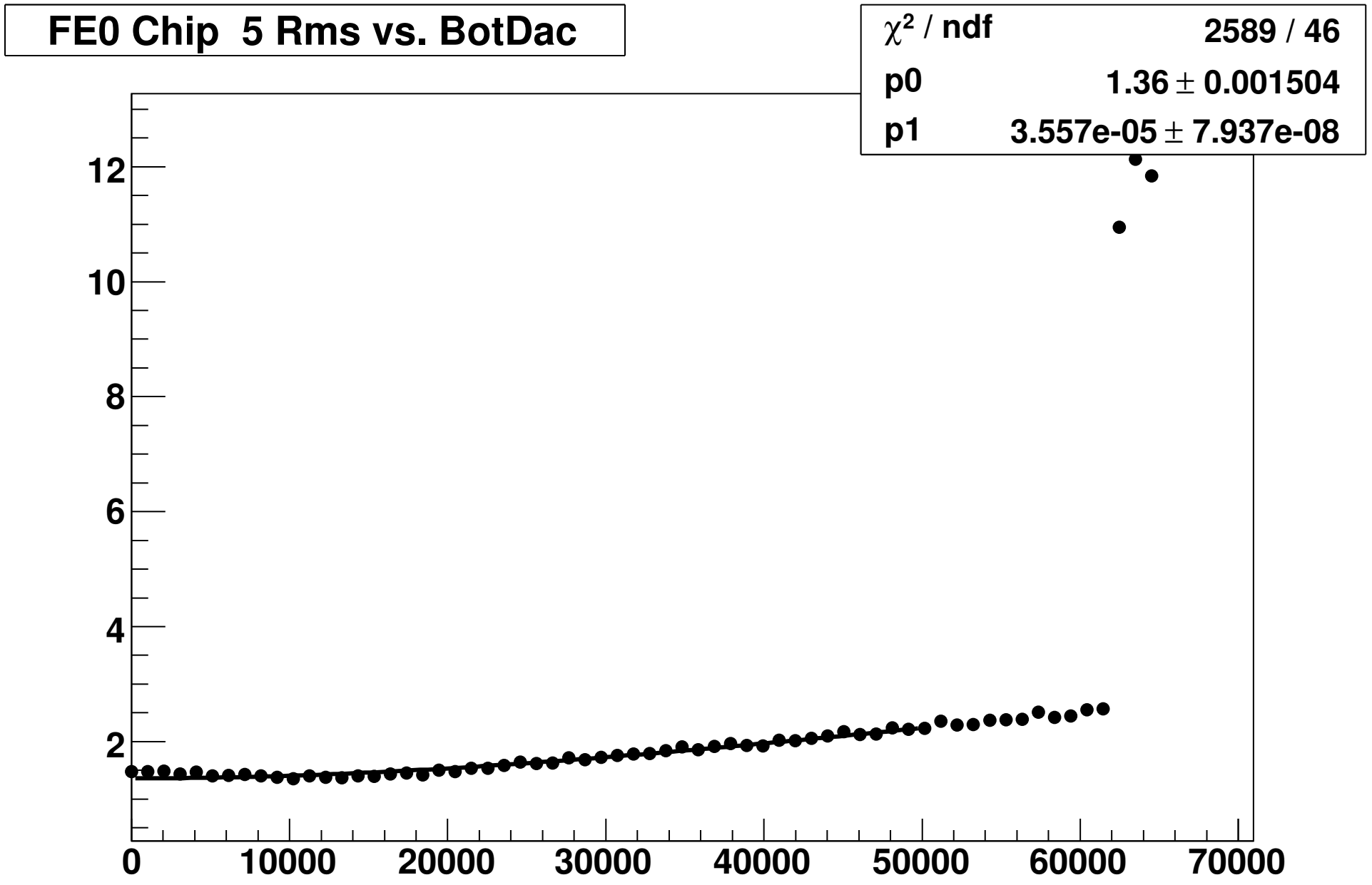

FE0 Chip 4 Mean vs. BotDac
χ² / ndf 5.182e+05 / 46
p0 77.86 ± 0.002691
p1 0.4484 ± 1.079e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

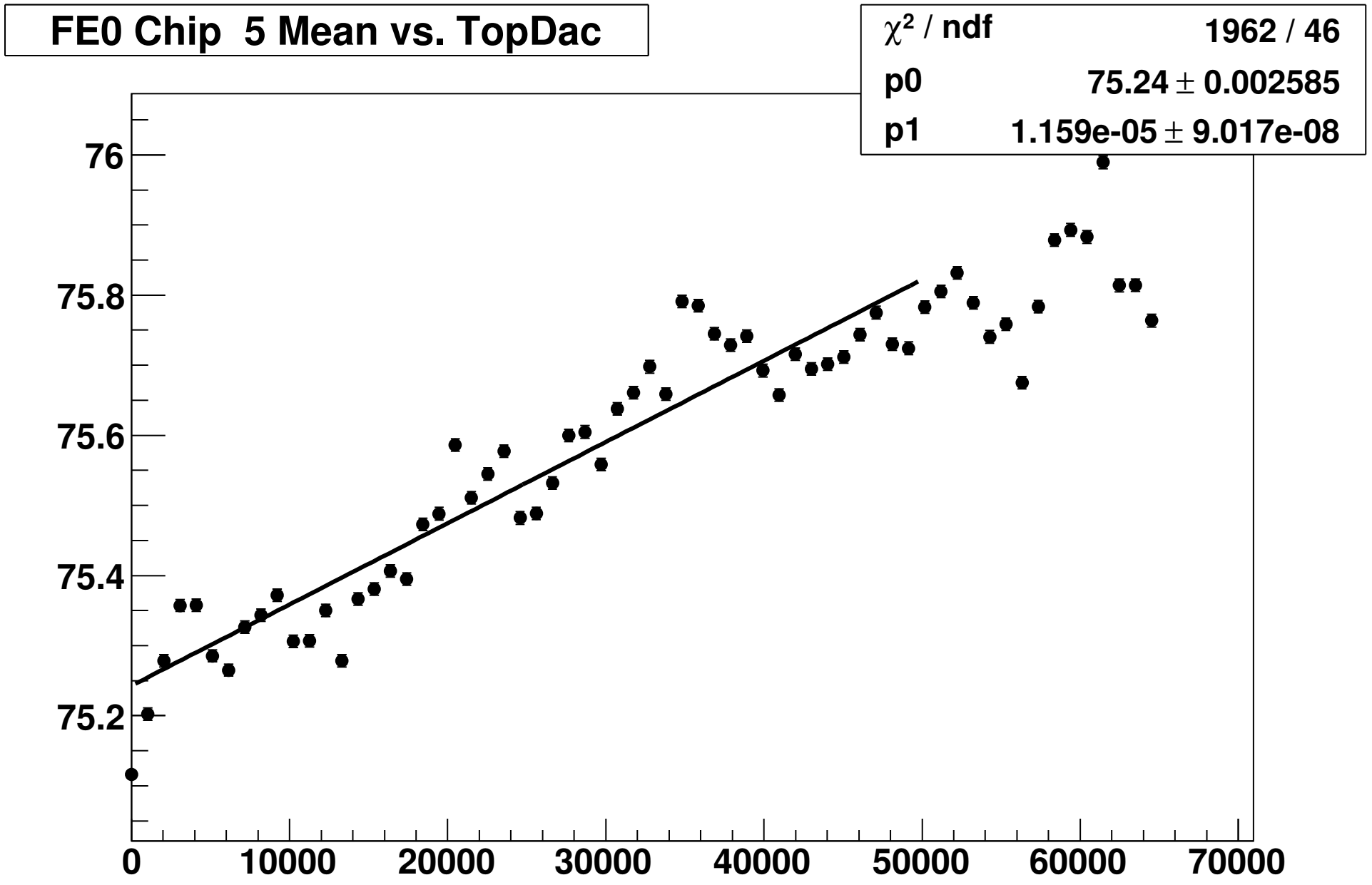

FE0 Chip 4 Rms vs. BotDac
χ² / ndf 3182 / 46
p0 1.367 ± 0.001514
p1 3.608e-05 ± 7.96e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

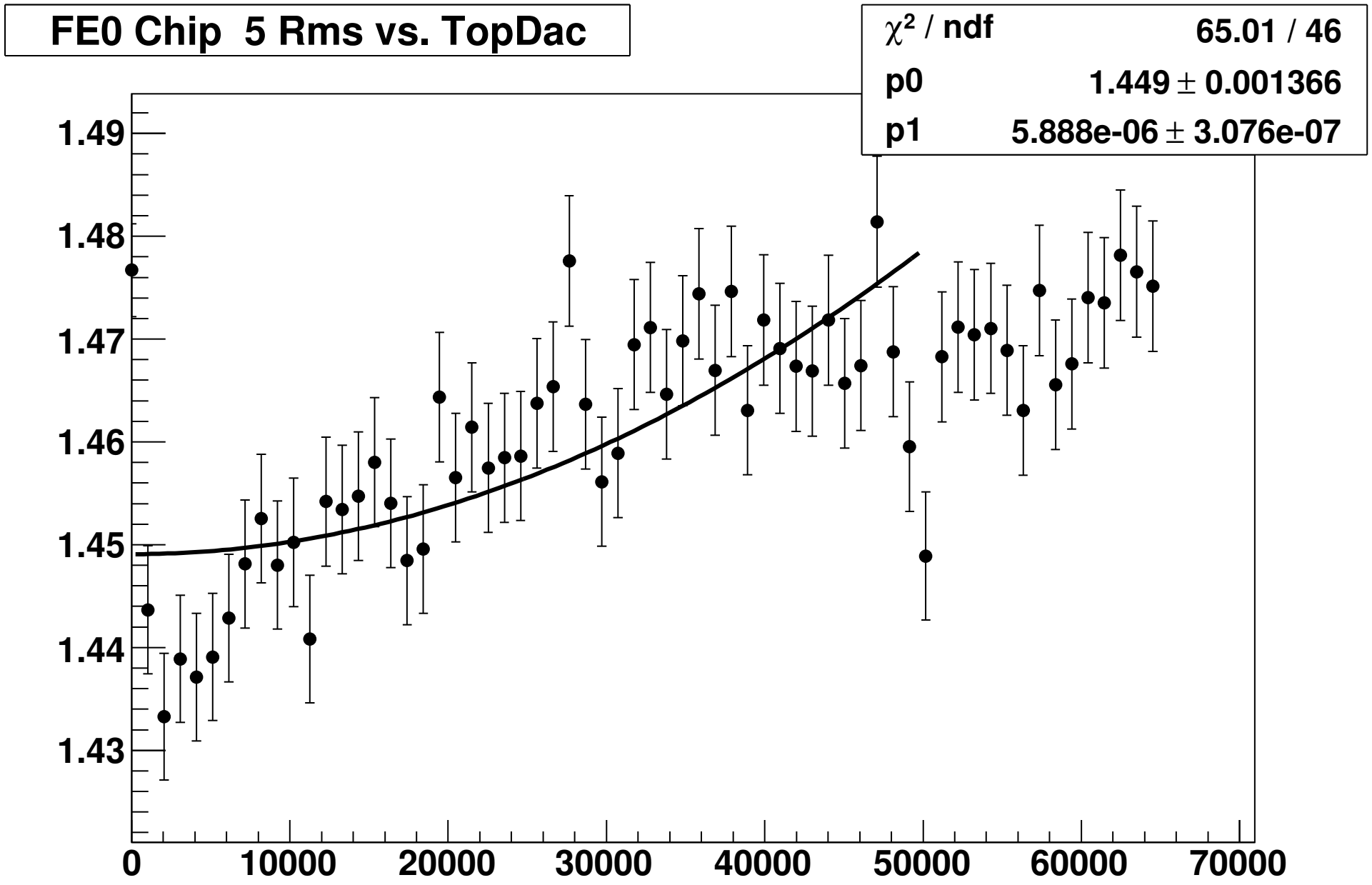

FE0 Chip 4 Mean vs. TopDac
χ² / ndf 3022 / 46
p0 78.67 ± 0.002572
p1 1.358e-05 ± 8.953e-08
79.4
79.2
79
78.8
78.6
78.4
0
10000
20000
30000
40000
50000
60000
70000

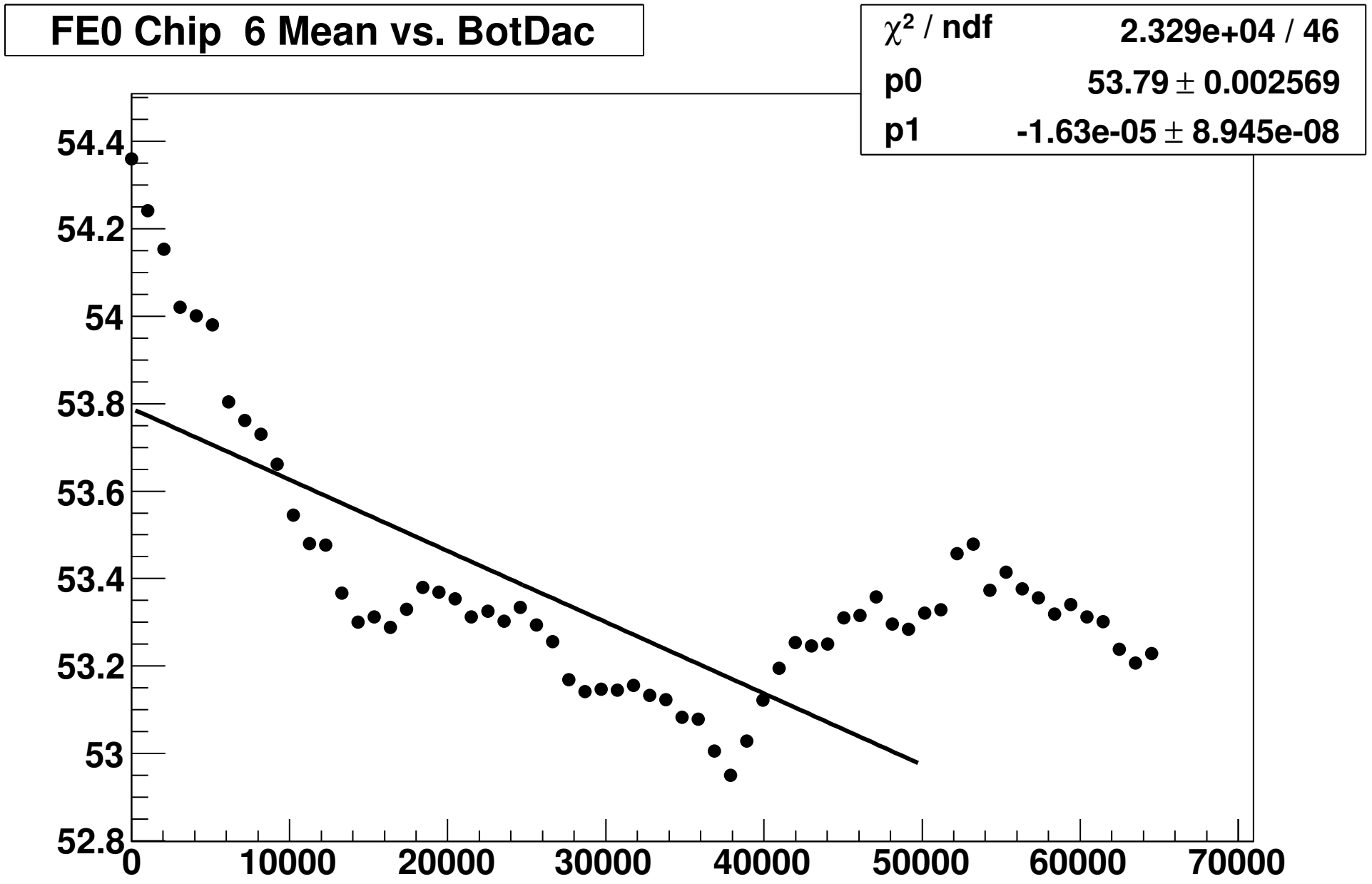

FE0 Chip 4 Rms vs. TopDac
χ² / ndf 63.61 / 46
p0 1.442 ± 0.001361
p1 4.477e-06 ± 3.975e-07
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

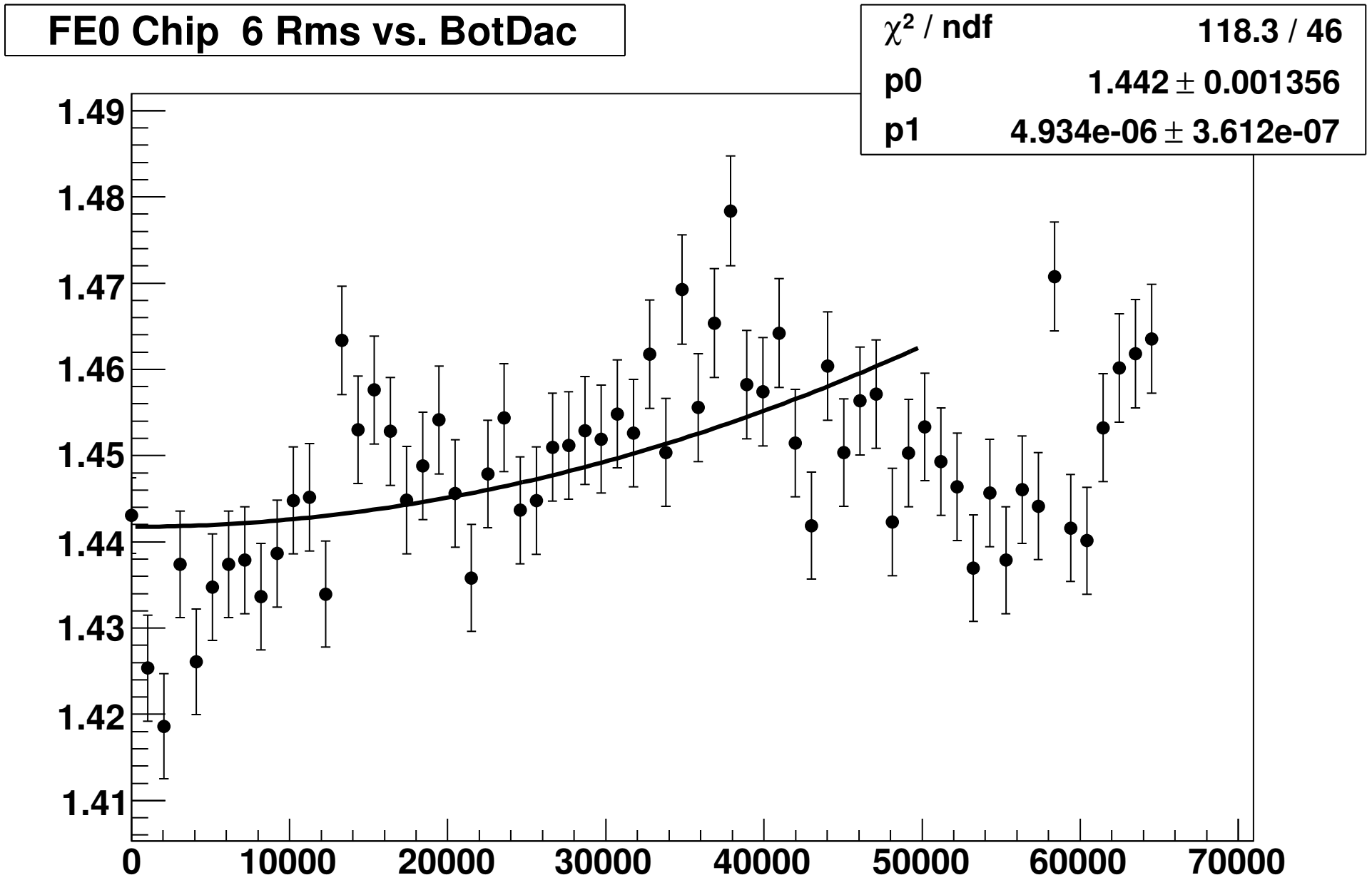

FE0 Chip 5 Mean vs. BotDac
χ² / ndf 2.72e+05 / 46
p0 74.92 ± 0.00268
p1 0.4484 ± 1.073e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

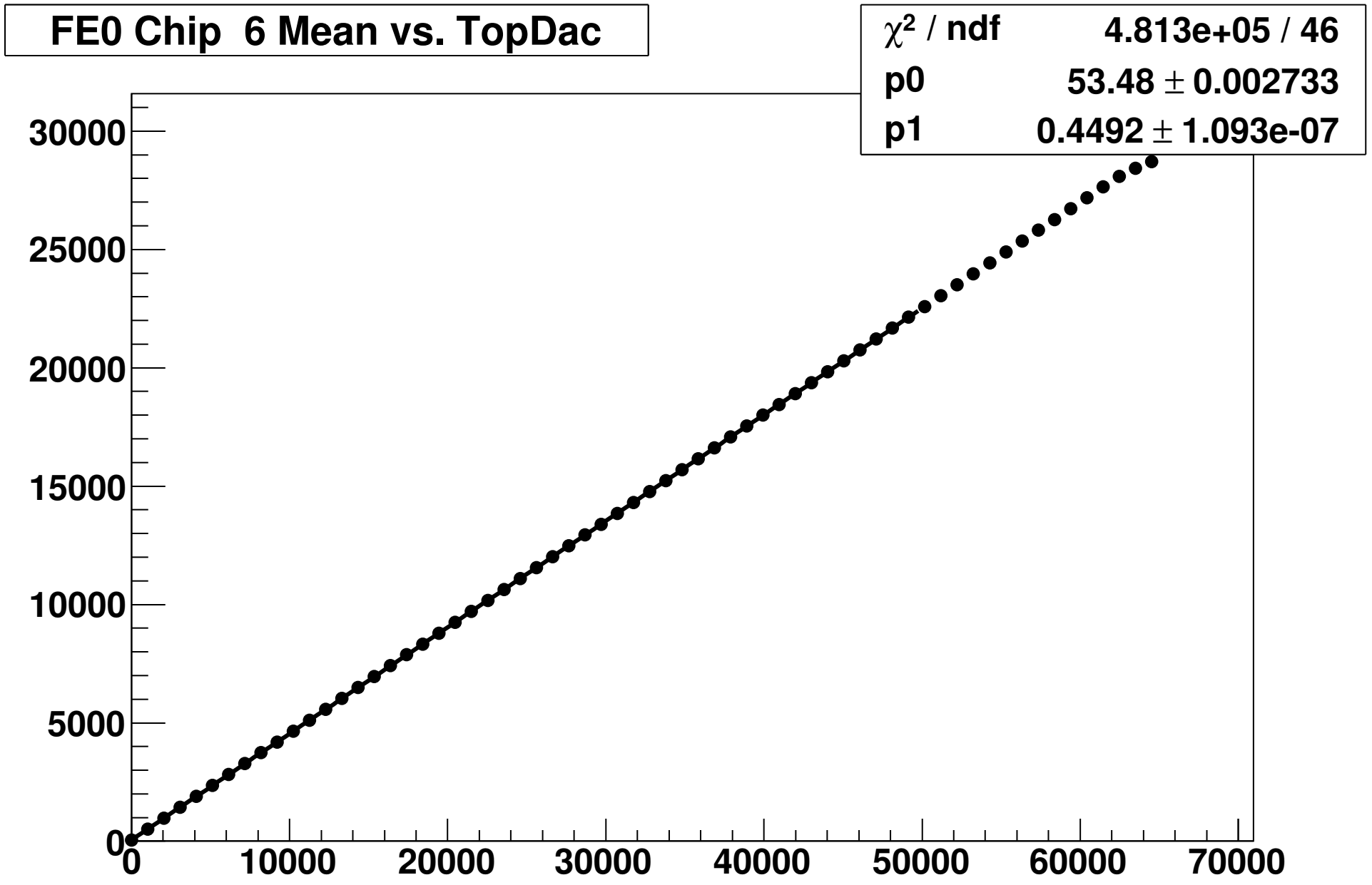

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 2589 / 46
p0 1.36 ± 0.001504
p1 3.557e-05 ± 7.937e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

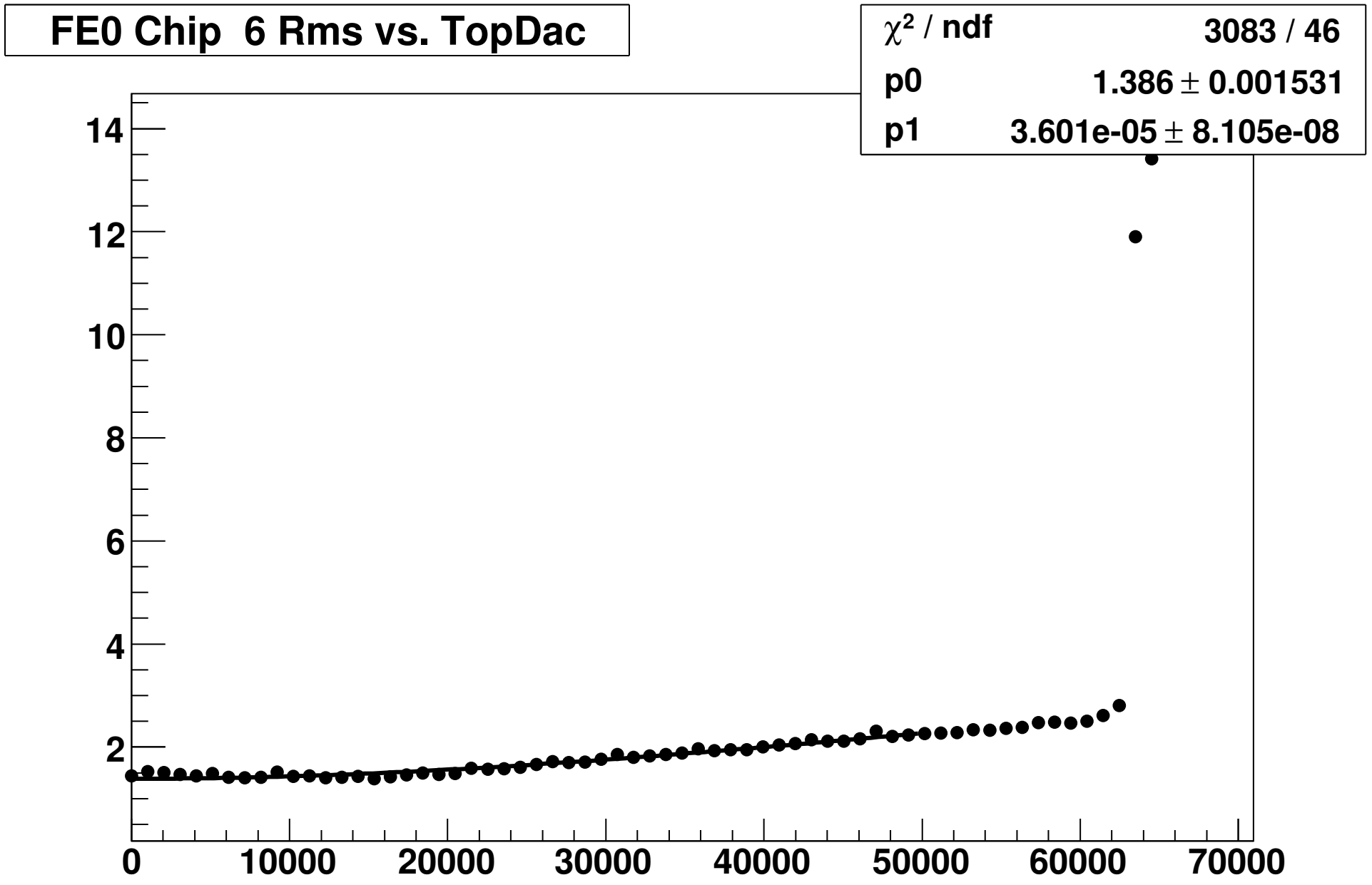

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 1962 / 46
p0 75.24 ± 0.002585
p1 1.159e-05 ± 9.017e-08
76
75.8
75.6
75.4
75.2
0
10000
20000
30000
40000
50000
60000
70000

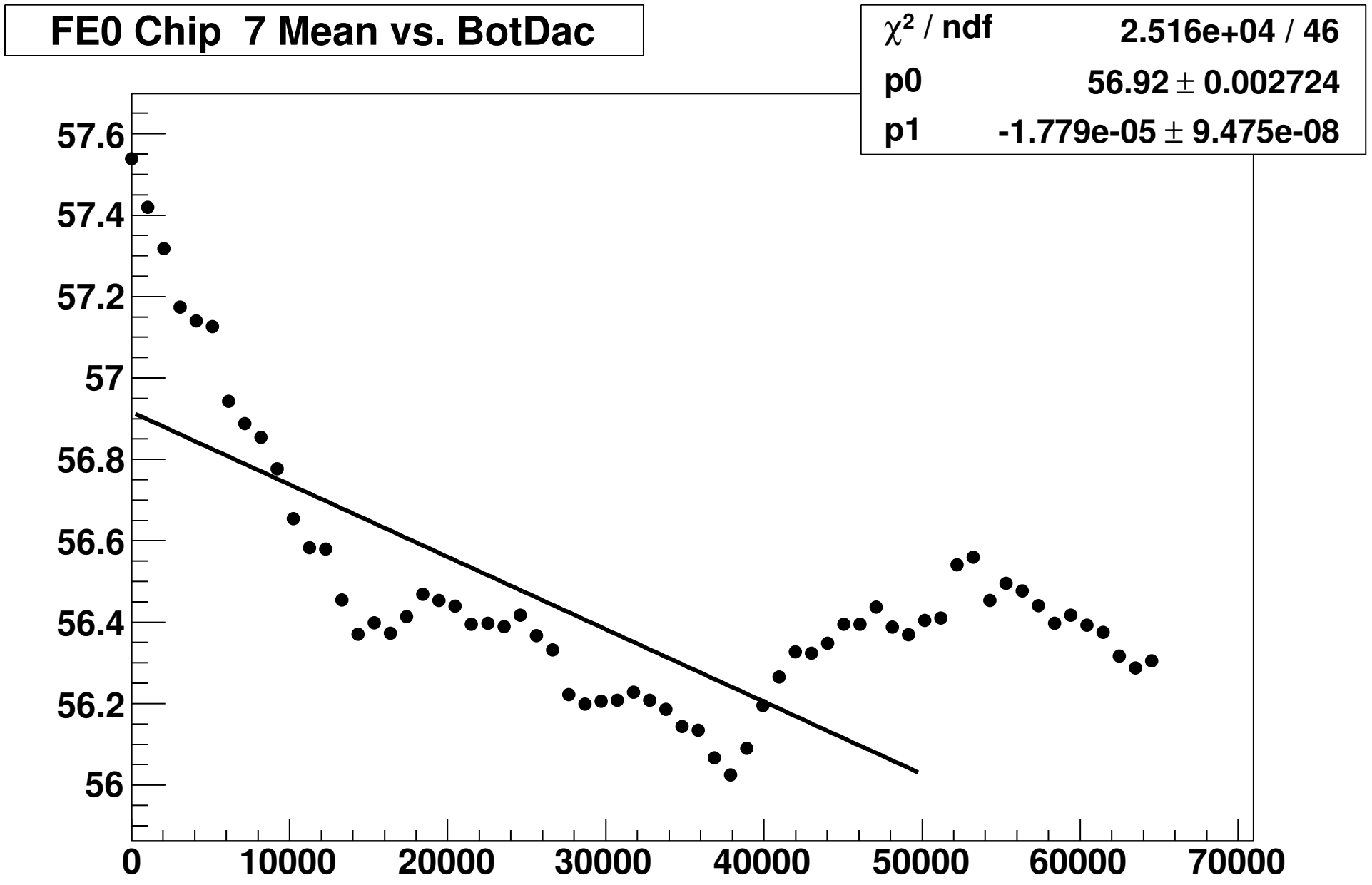

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 65.01 / 46
p0 1.449 ± 0.001366
p1 5.888e-06 ± 3.076e-07
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

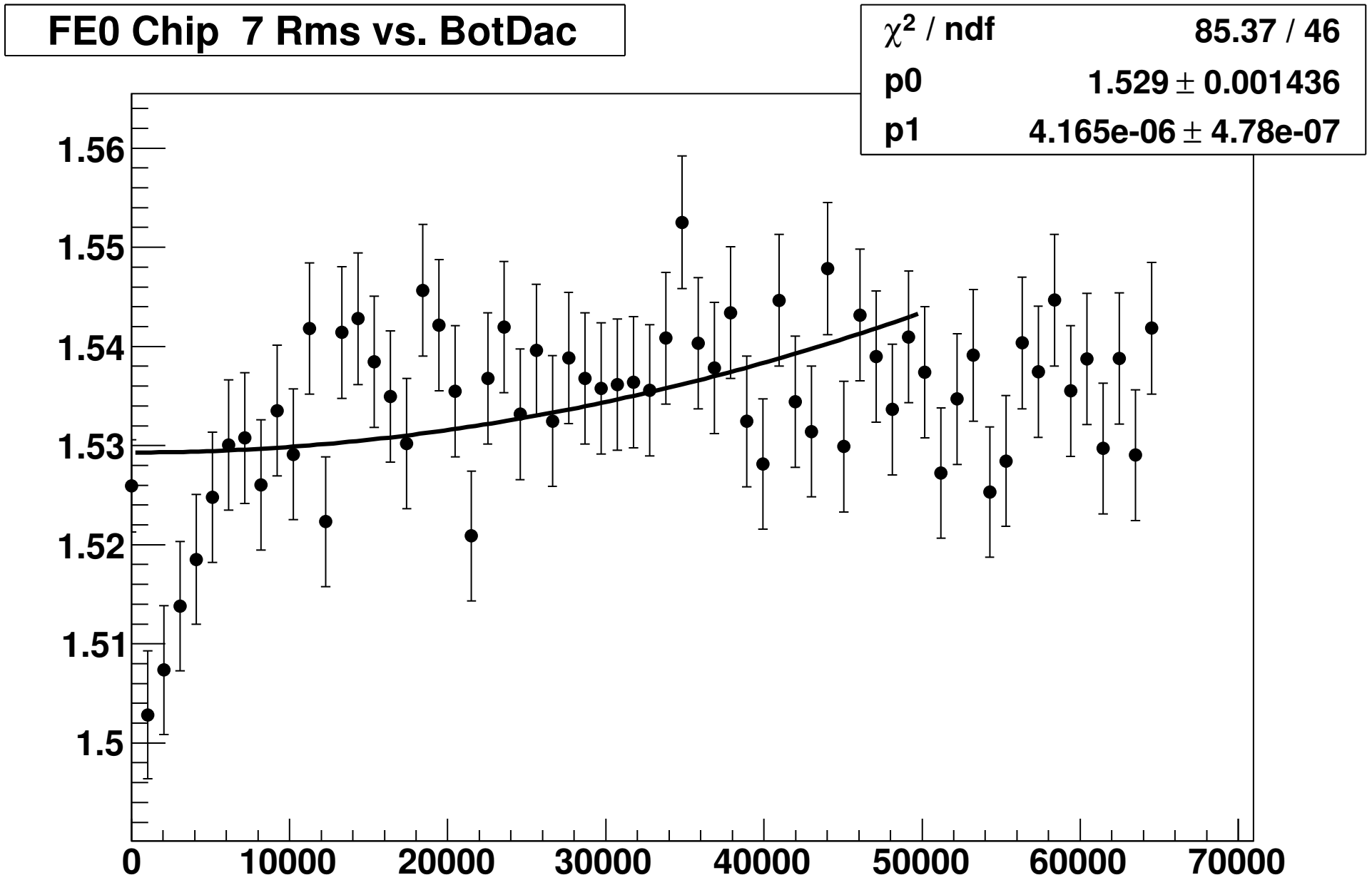

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 2.329e+04 / 46
p0 53.79 ± 0.002569
p1 -1.63e-05 ± 8.945e-08
54.4
54.2
54
53.8
53.6
53.4
53.2
53
52.8
0
10000
20000
30000
40000
50000
60000
70000

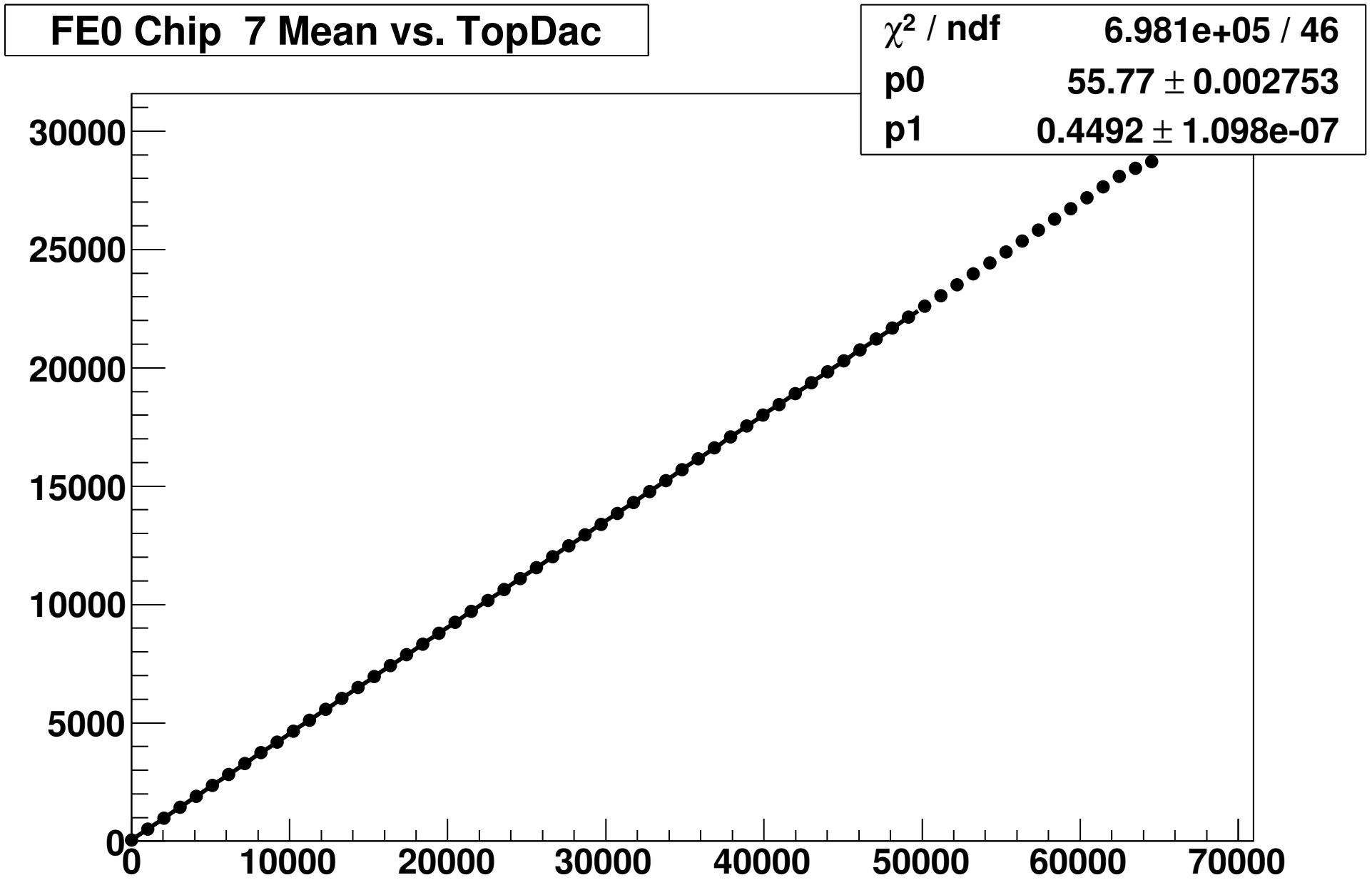

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 118.3 / 46
p0 1.442 ± 0.001356
p1 4.934e-06 ± 3.612e-07
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

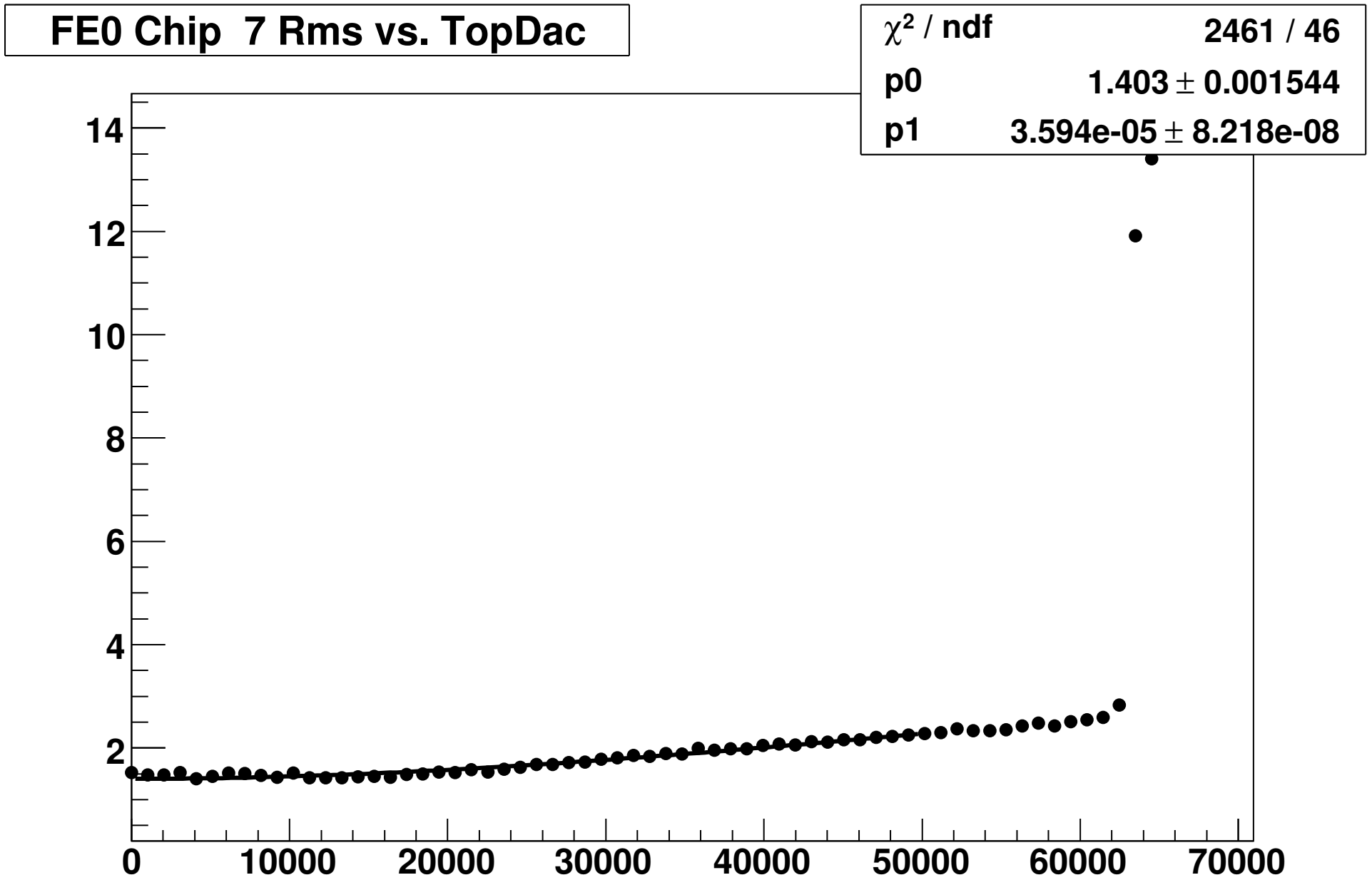

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 4.813e+05 / 46
p0 53.48 ± 0.002733
p1 0.4492 ± 1.093e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

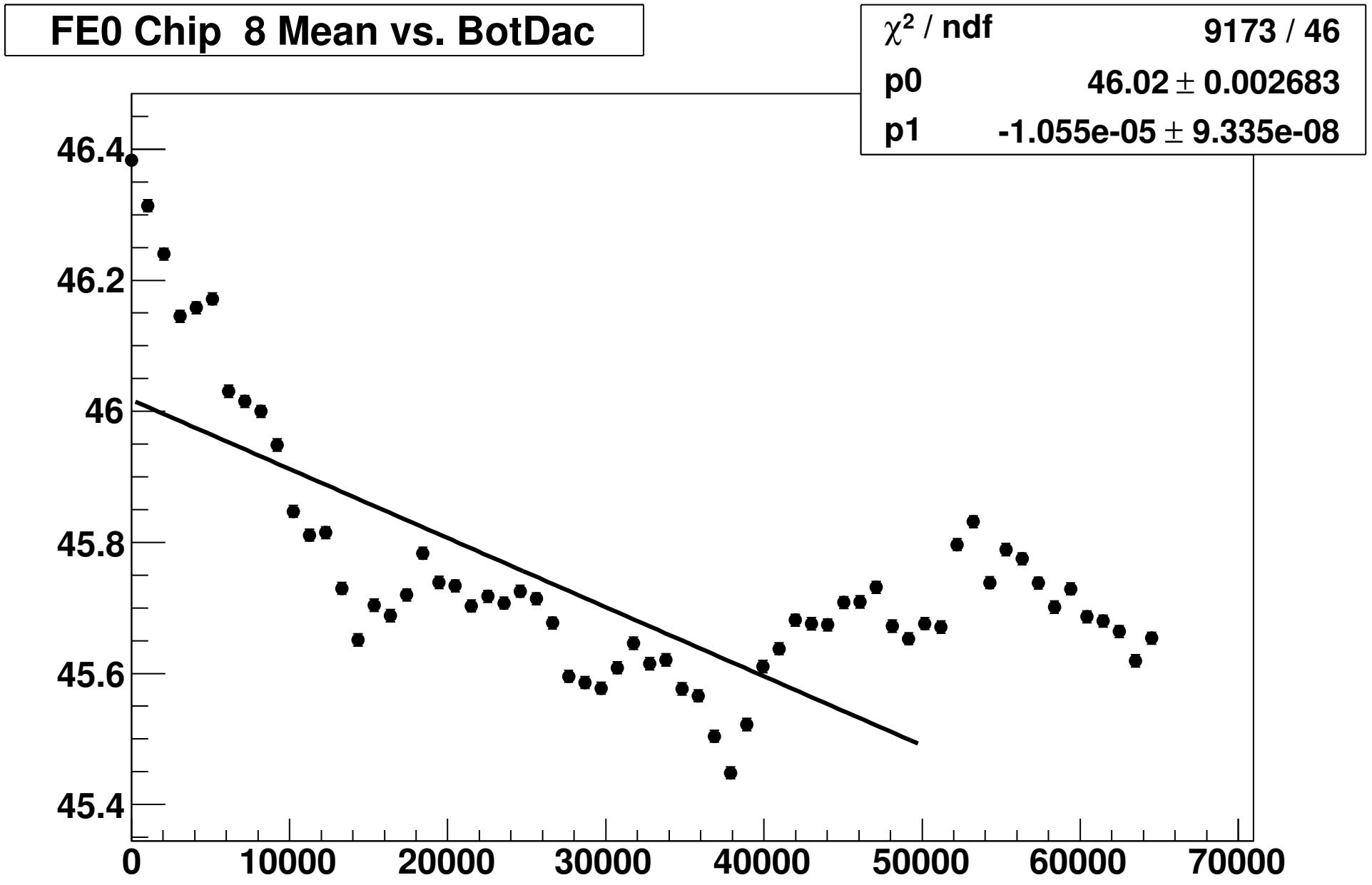

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 3083 / 46
p0 1.386 ± 0.001531
p1 3.601e-05 ± 8.105e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

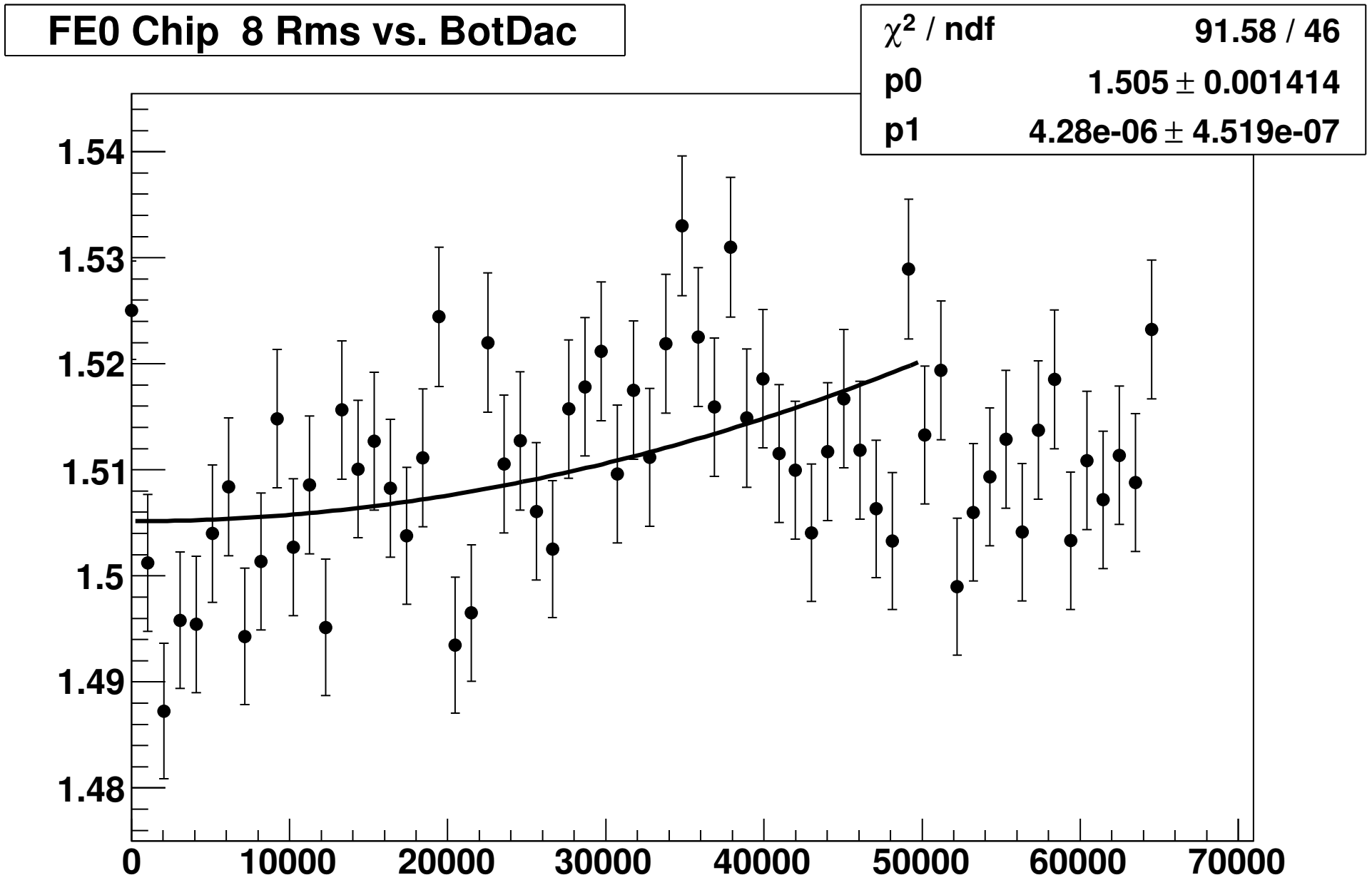

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 2.516e+04 / 46
p0 56.92 ± 0.002724
p1 -1.779e-05 ± 9.475e-08
57.6
57.4
57.2
57
56.8
56.6
56.4
56.2
56
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 85.37 / 46
p0 1.529 ± 0.001436
p1 4.165e-06 ± 4.78e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 6.981e+05 / 46
p0 55.77 ± 0.002753
p1 0.4492 ± 1.098e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 2461 / 46
p0 1.403 ± 0.001544
p1 3.594e-05 ± 8.218e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 9173 / 46
p0 46.02 ± 0.002683
p1 -1.055e-05 ± 9.335e-08
46.4
46.2
46
45.8
45.6
45.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 91.58 / 46
p0 1.505 ± 0.001414
p1 4.28e-06 ± 4.519e-07
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
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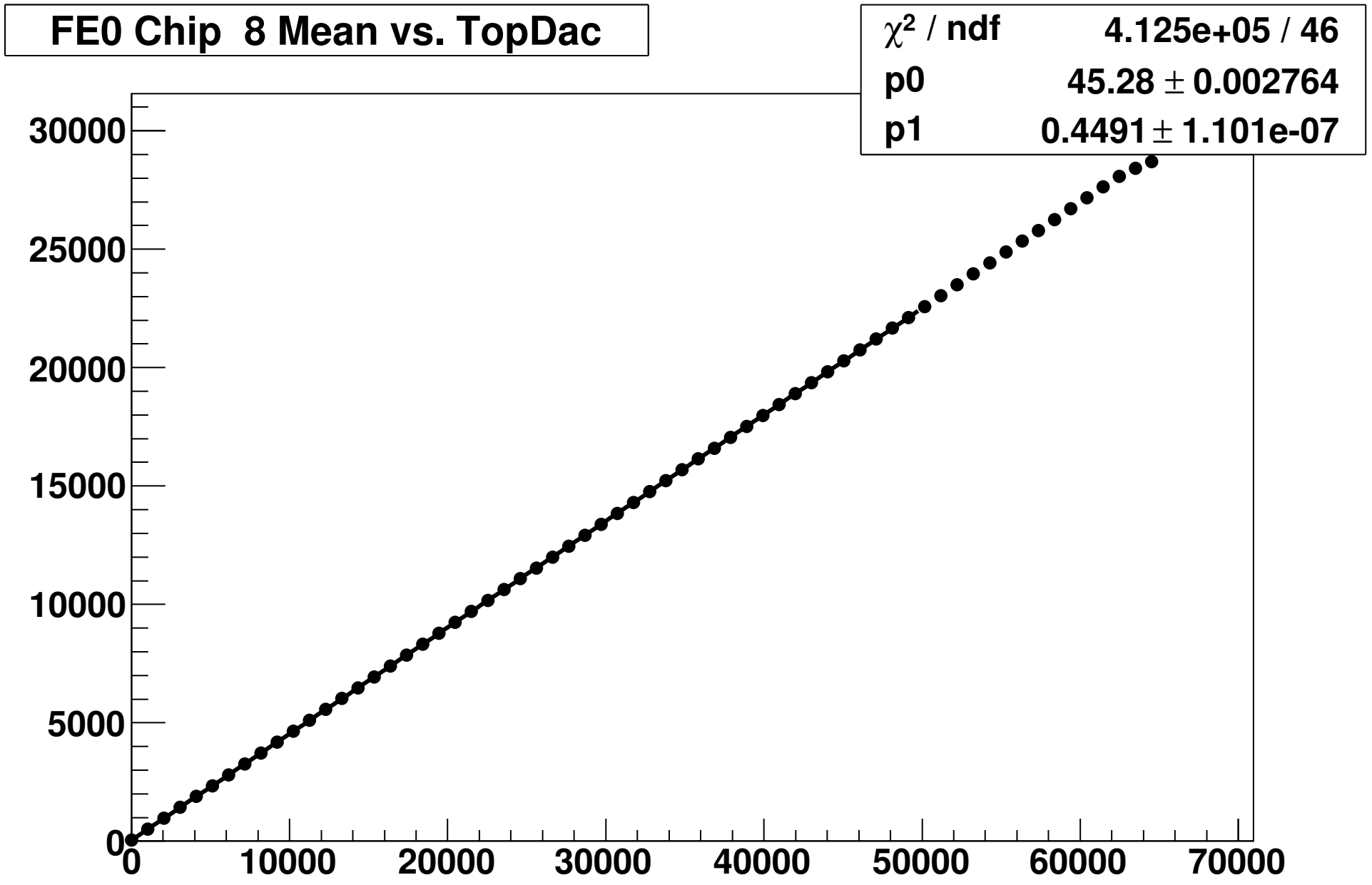
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 4.125e+05 / 46
p0 45.28 ± 0.002764
p1 0.4491 ± 1.101e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
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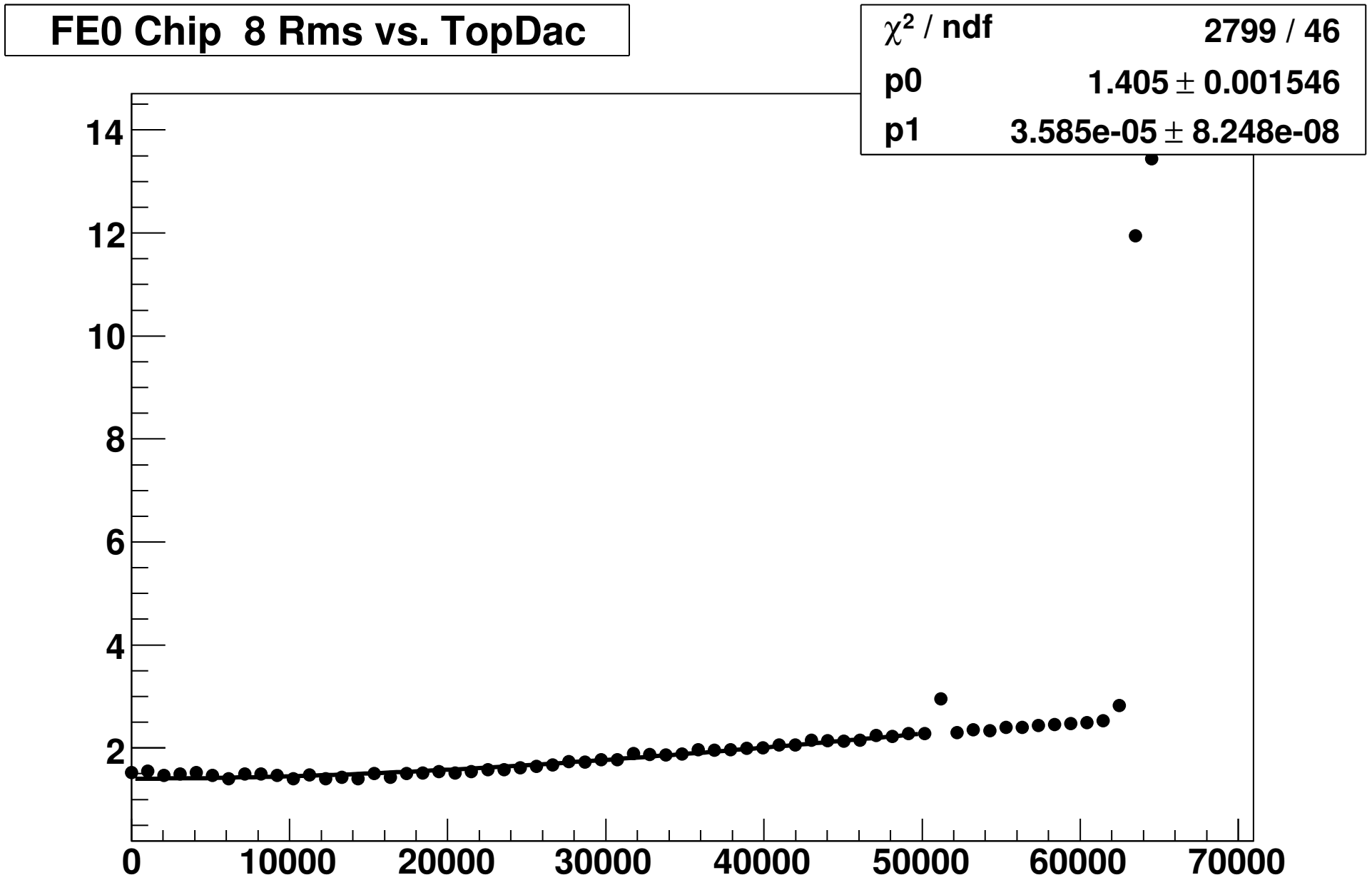
FE0 Chip 8 Rms vs. TopDac
χ² / ndf 2799 / 46
p0 1.405 ± 0.001546
p1 3.585e-05 ± 8.248e-08
14
12
10
8
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4
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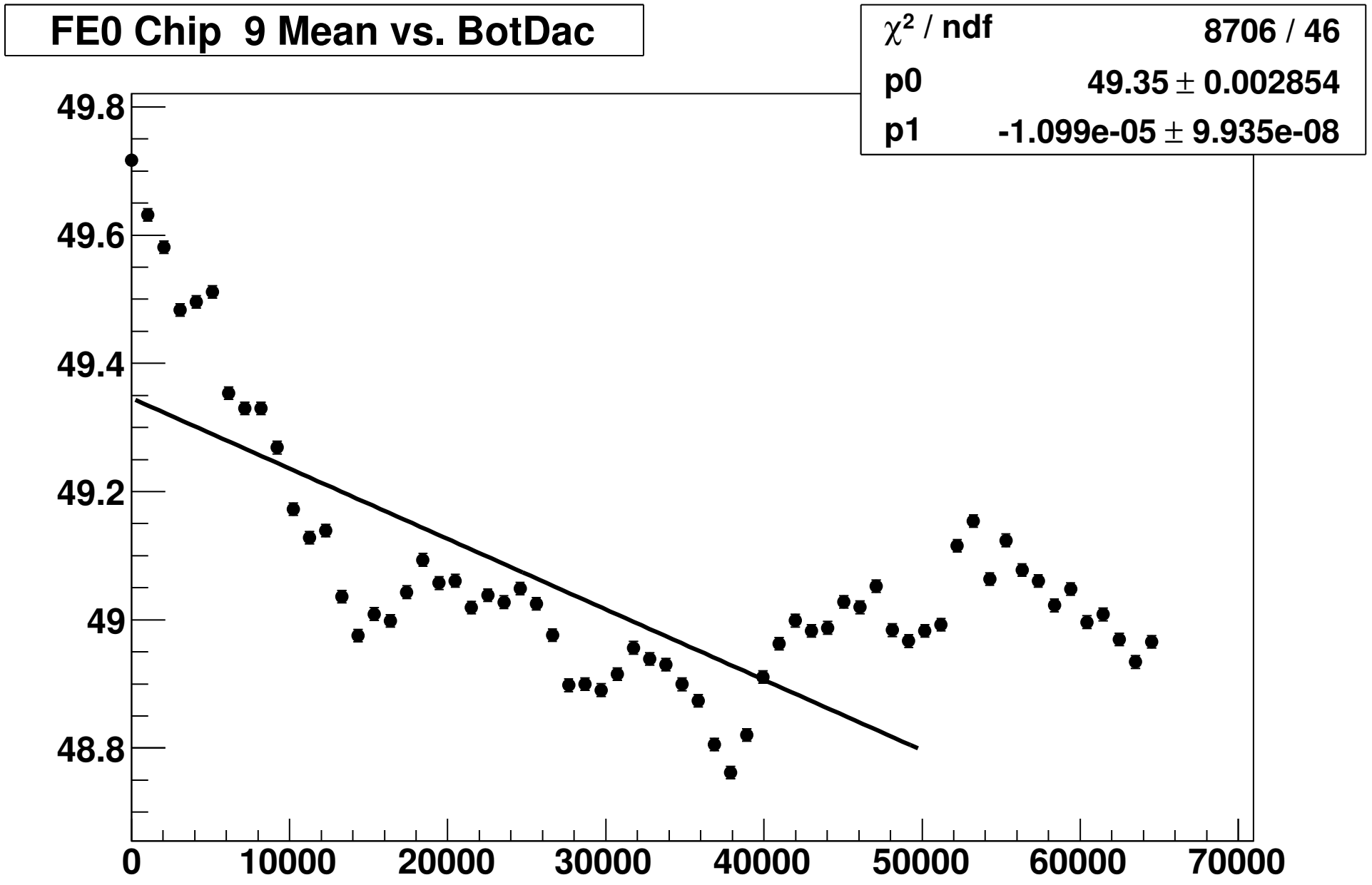
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 8706 / 46
p0 49.35 ± 0.002854
p1 -1.099e-05 ± 9.935e-08
49.8
49.6
49.4
49.2
49
48.8
0
10000
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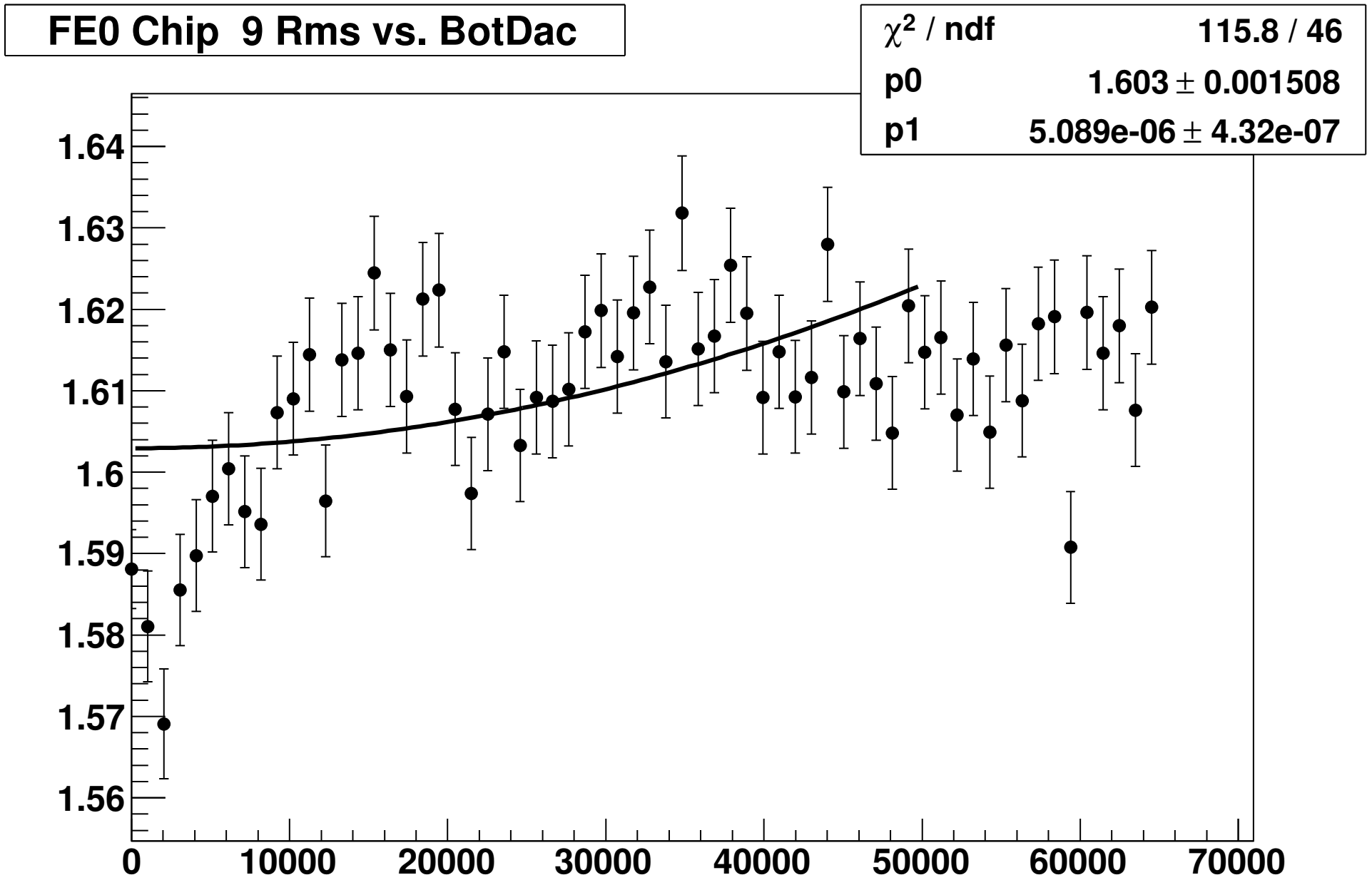
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 115.8 / 46
p0 1.603 ± 0.001508
p1 5.089e-06 ± 4.32e-07
1.64
1.63
1.62
1.61
1.6
1.59
1.58
1.57
1.56
0
10000
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30000
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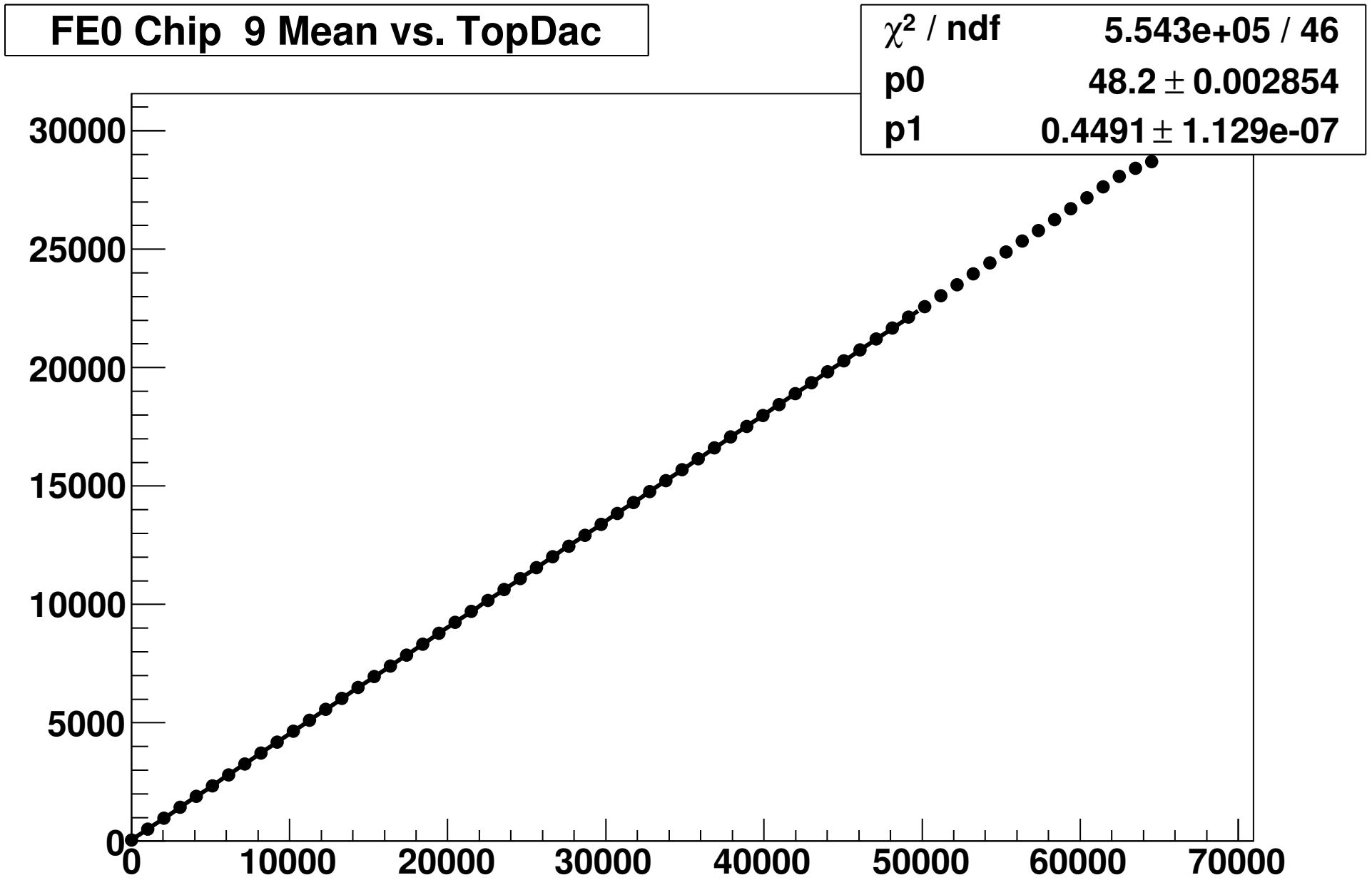
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 5.543e+05 / 46
p0 48.2 ± 0.002854
p1 0.4491 ± 1.129e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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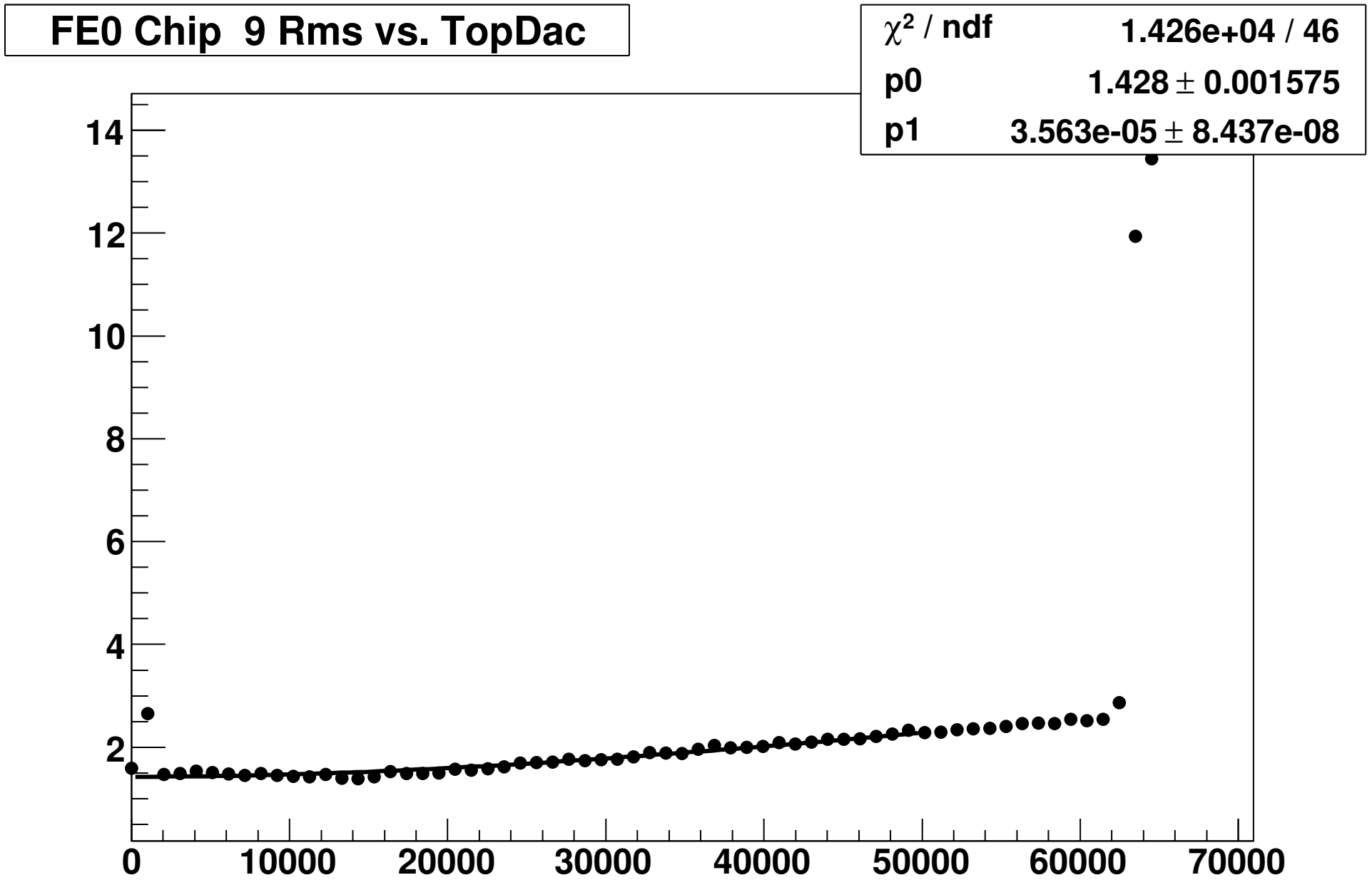
FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1.426e+04 / 46
p0 1.428 ± 0.001575
p1 3.563e-05 ± 8.437e-08
14
12
10
8
6
4
2
0
10000
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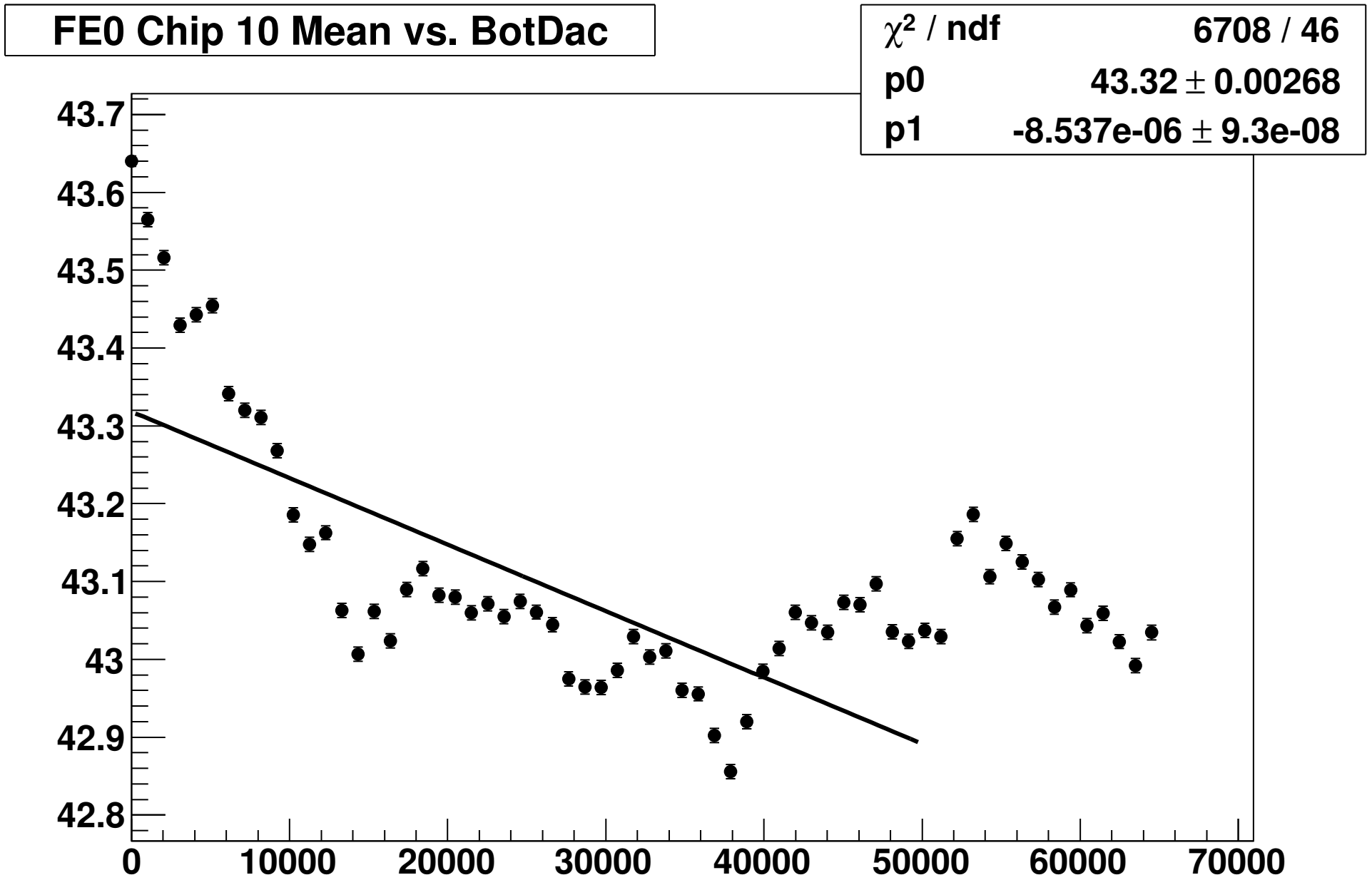
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 6708 / 46
p0 43.32 ± 0.00268
p1 -8.537e-06 ± 9.3e-08
43.7
43.6
43.5
43.4
43.3
43.2
43.1
43
42.9
42.8
0
10000
20000
30000
40000
50000
60000
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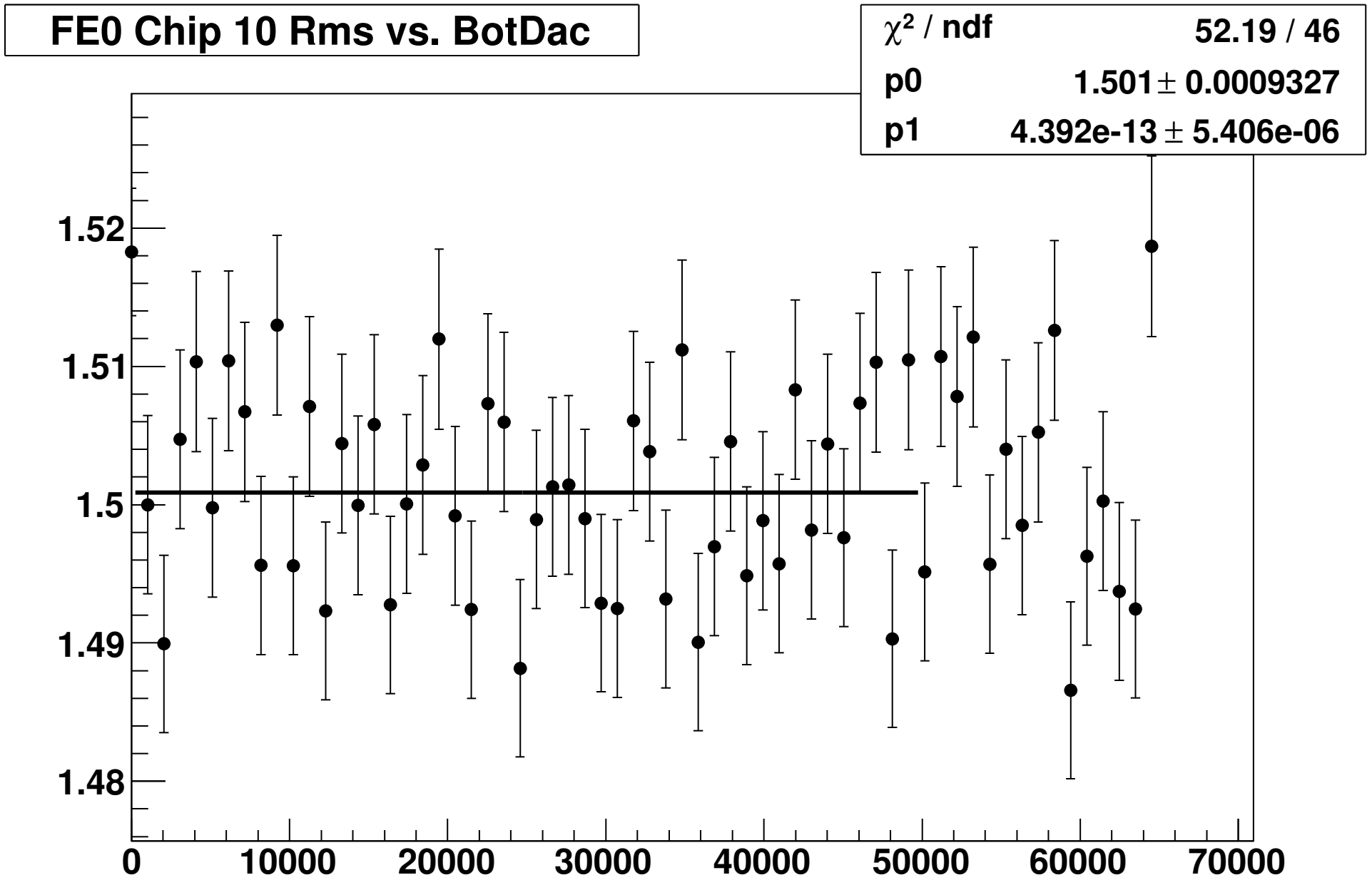
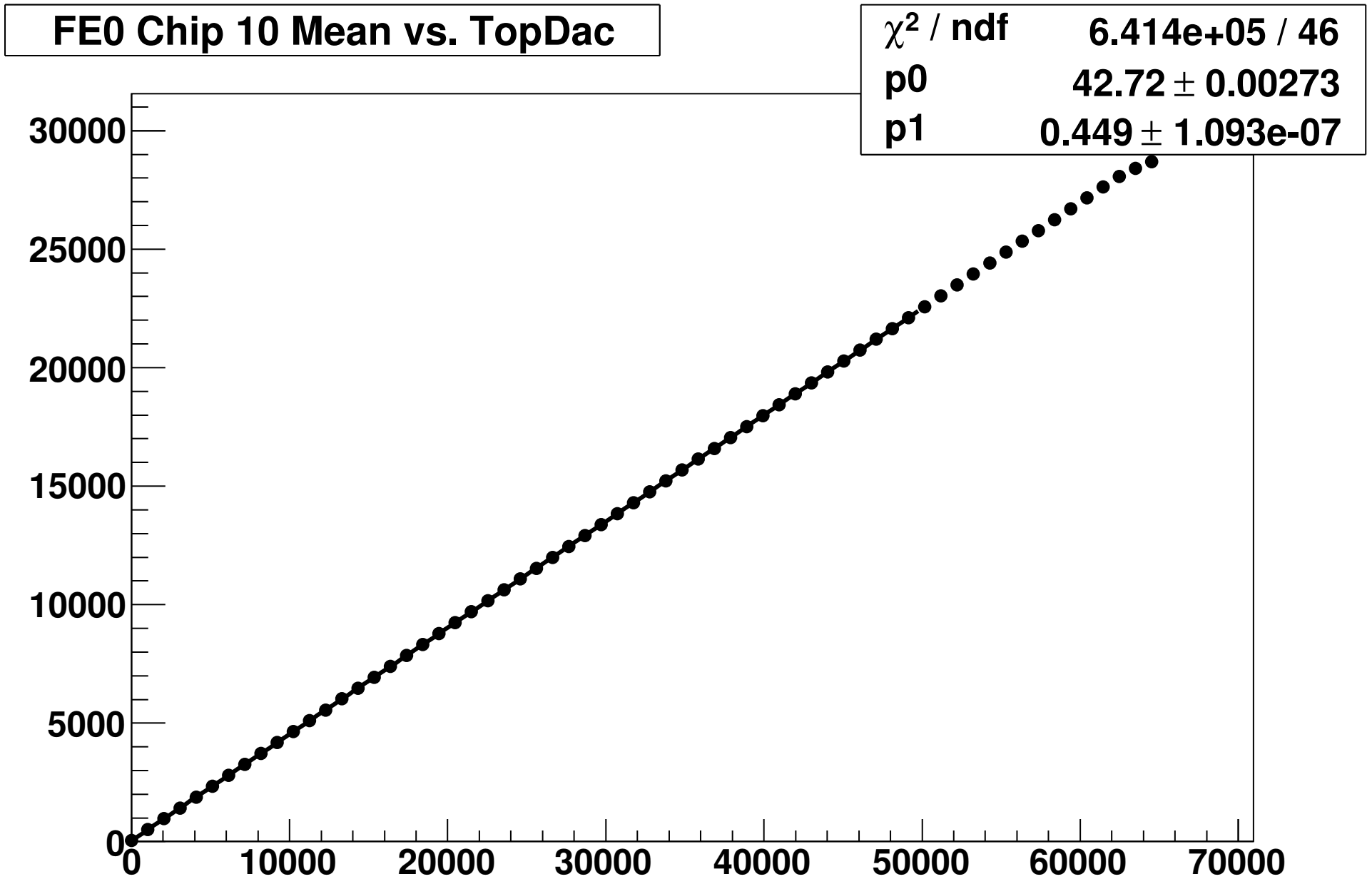

FE0 Chip 10 Rms vs. BotDac
χ² / ndf 52.19 / 46
p0 1.501 ± 0.0009327
p1 4.392e-13 ± 5.406e-06
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 6.414e+05 / 46
p0 42.72 ± 0.00273
p1 0.449 ± 1.093e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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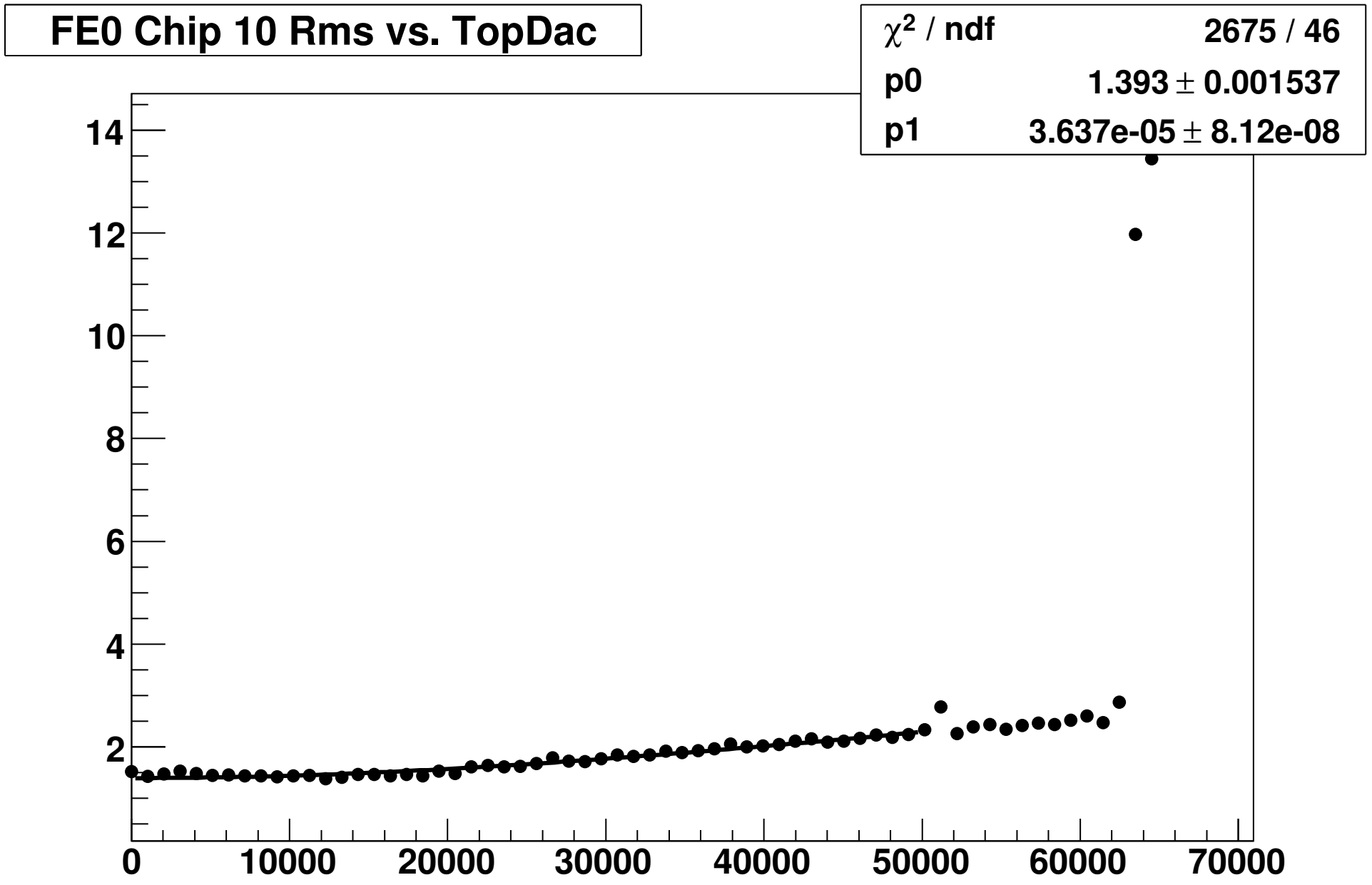
FE0 Chip 10 Rms vs. TopDac
χ² / ndf 2675 / 46
p0 1.393 ± 0.001537
p1 3.637e-05 ± 8.12e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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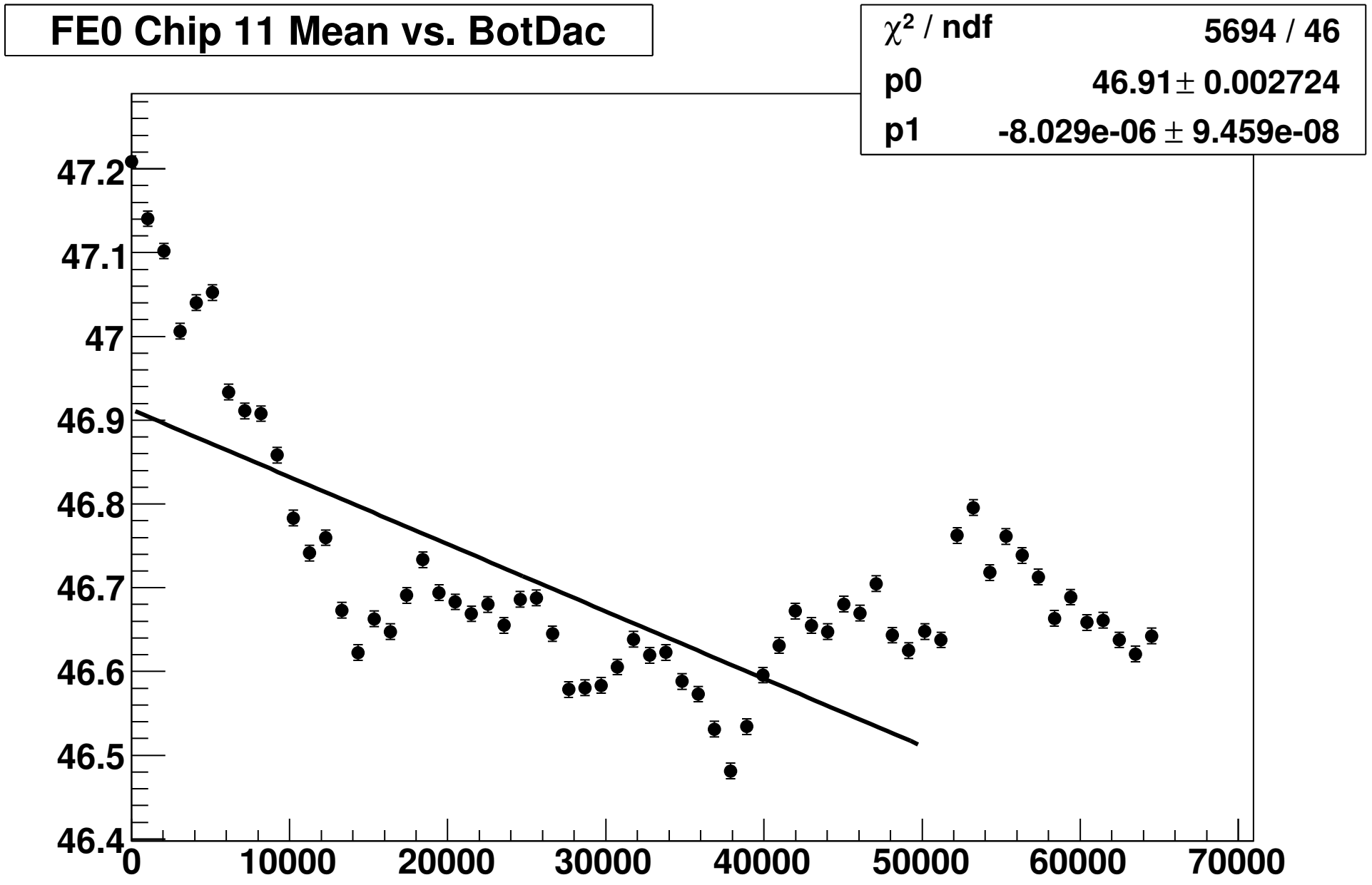
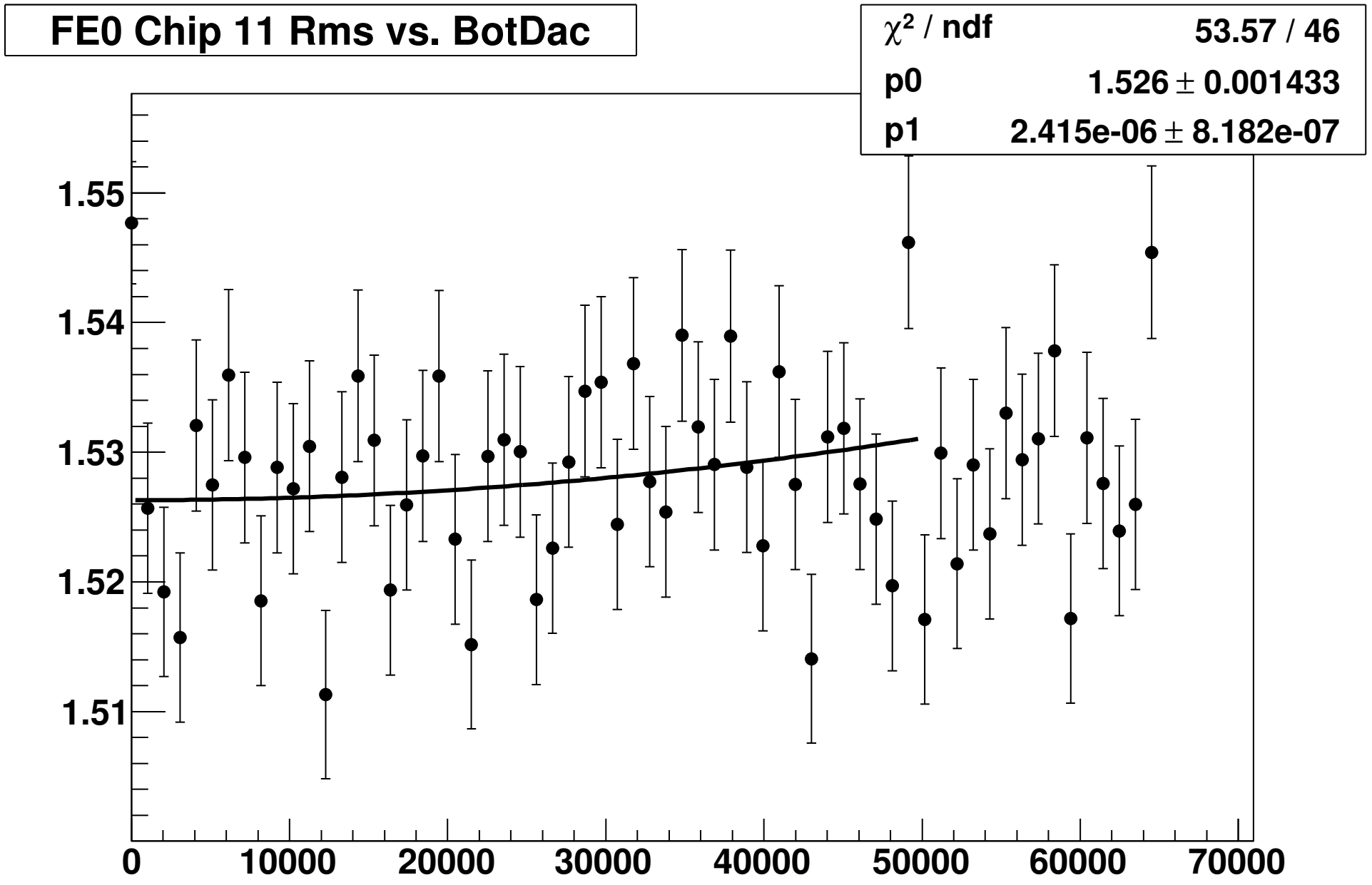
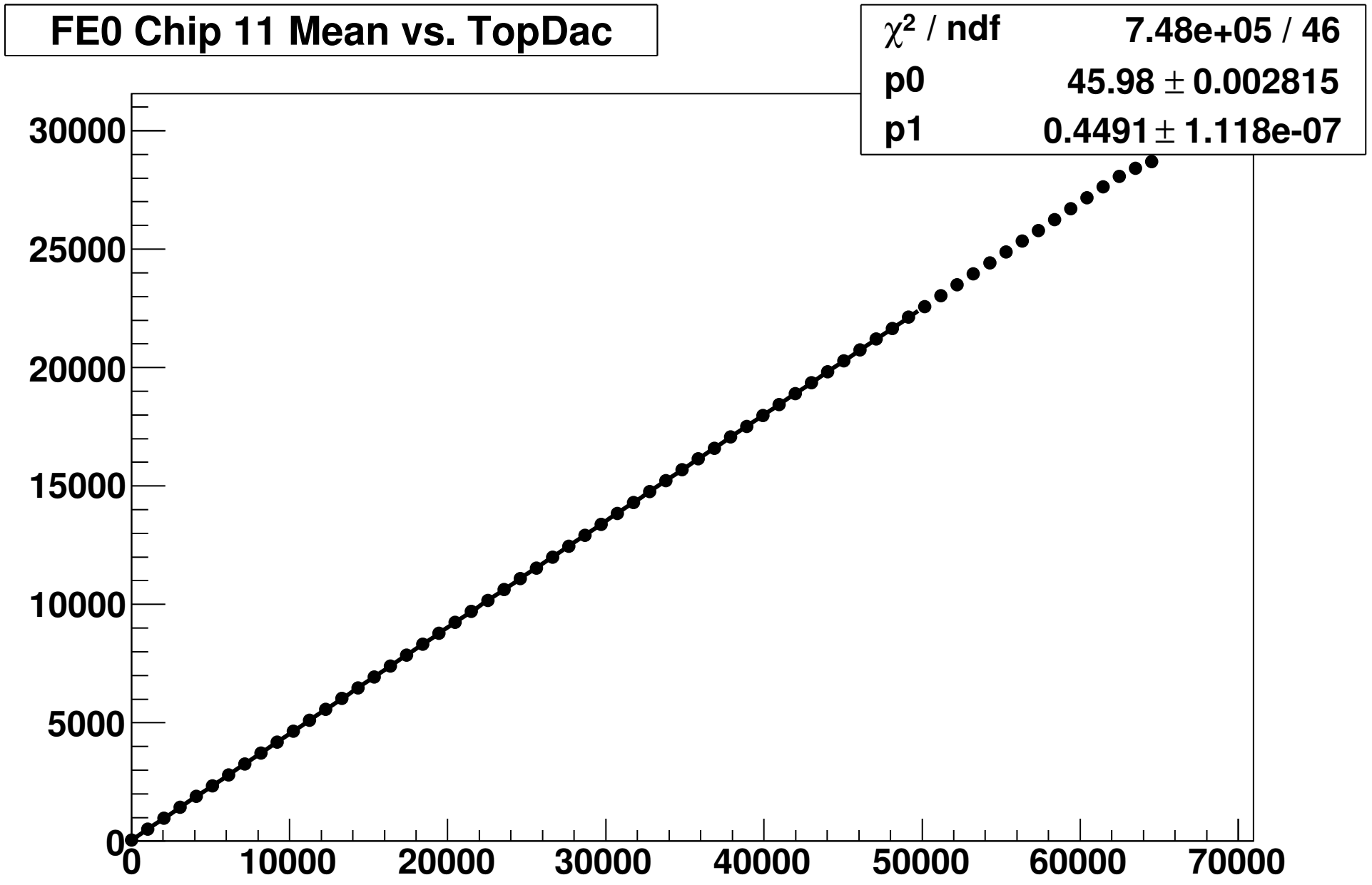
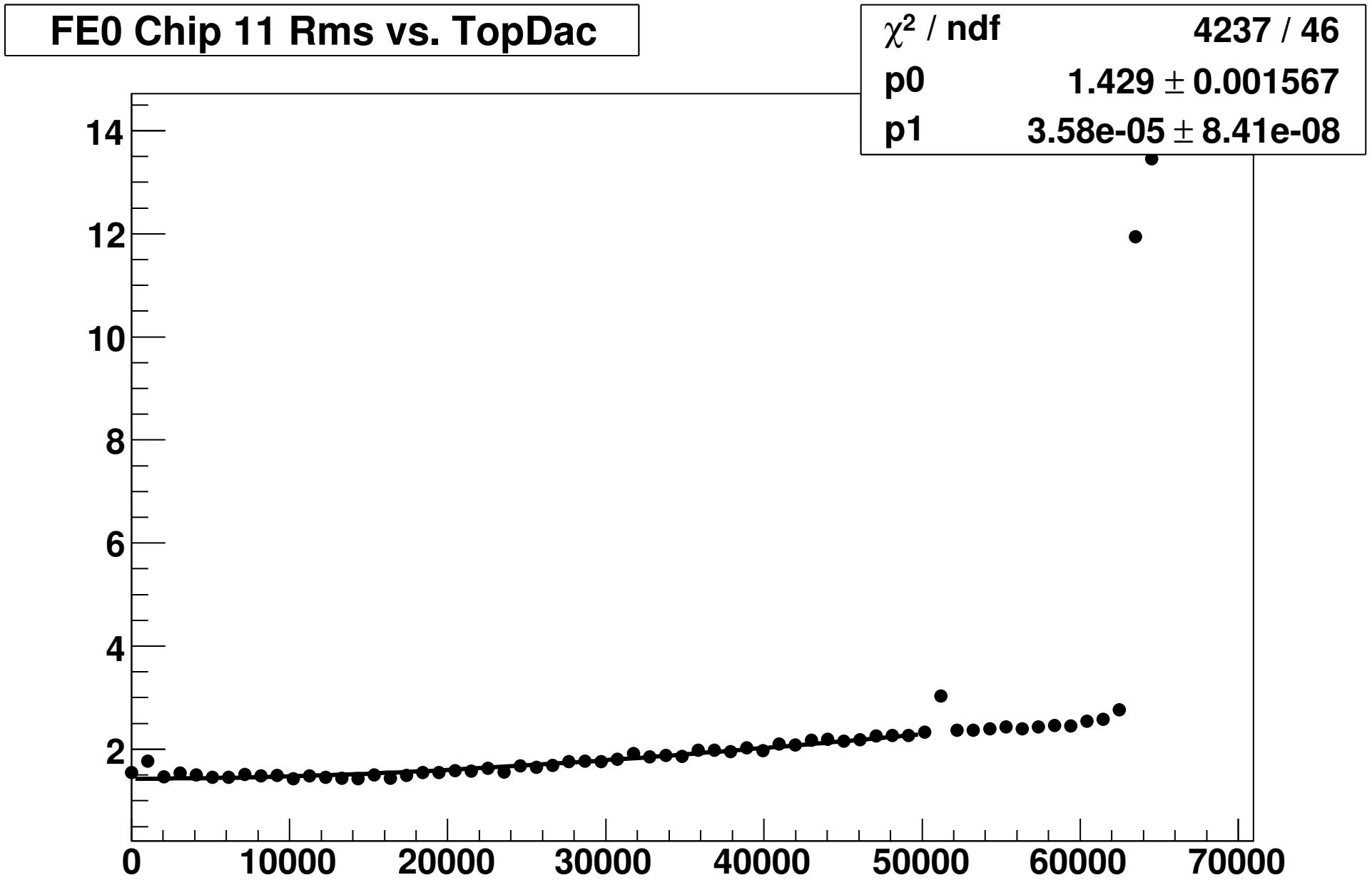
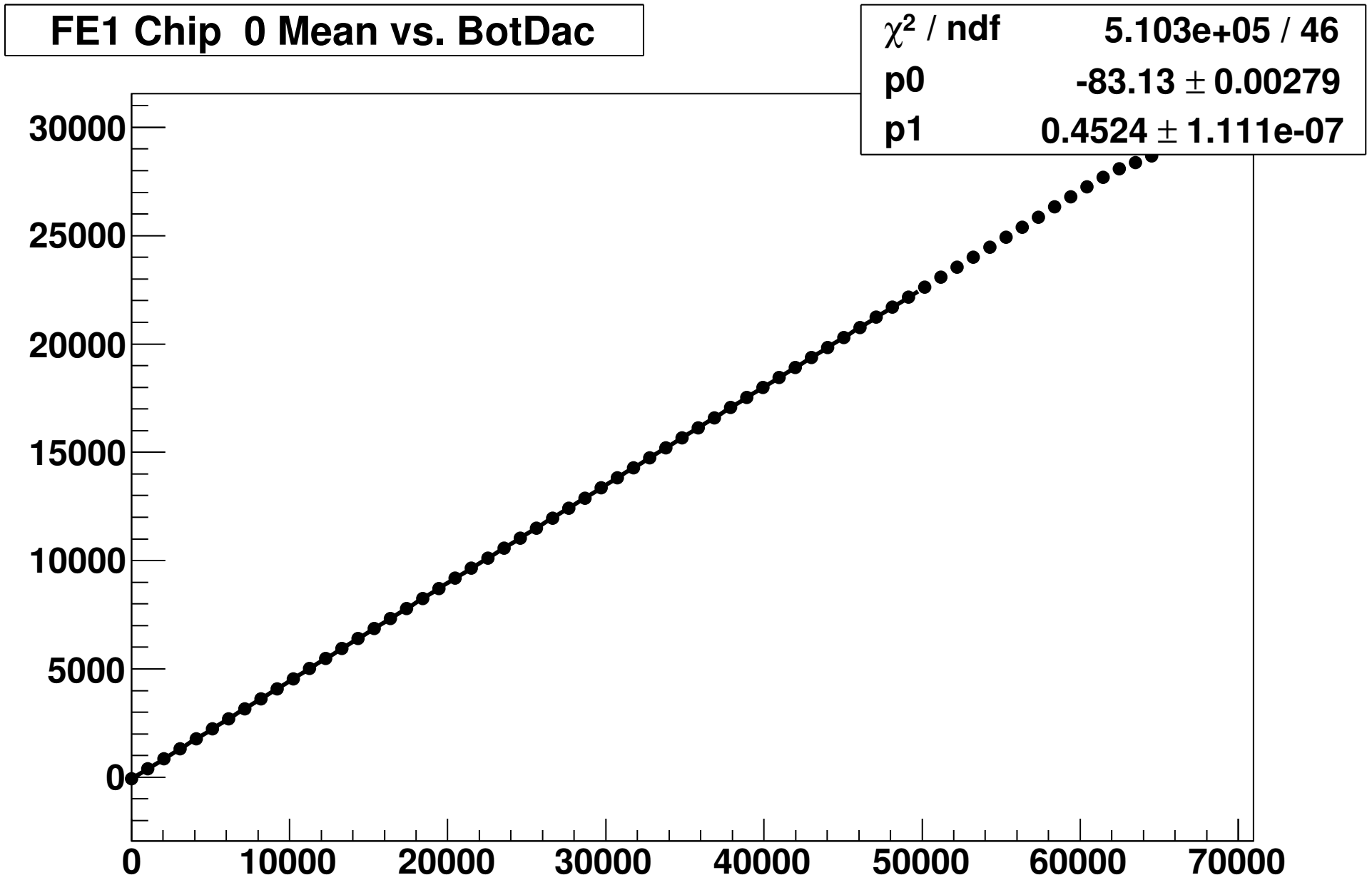
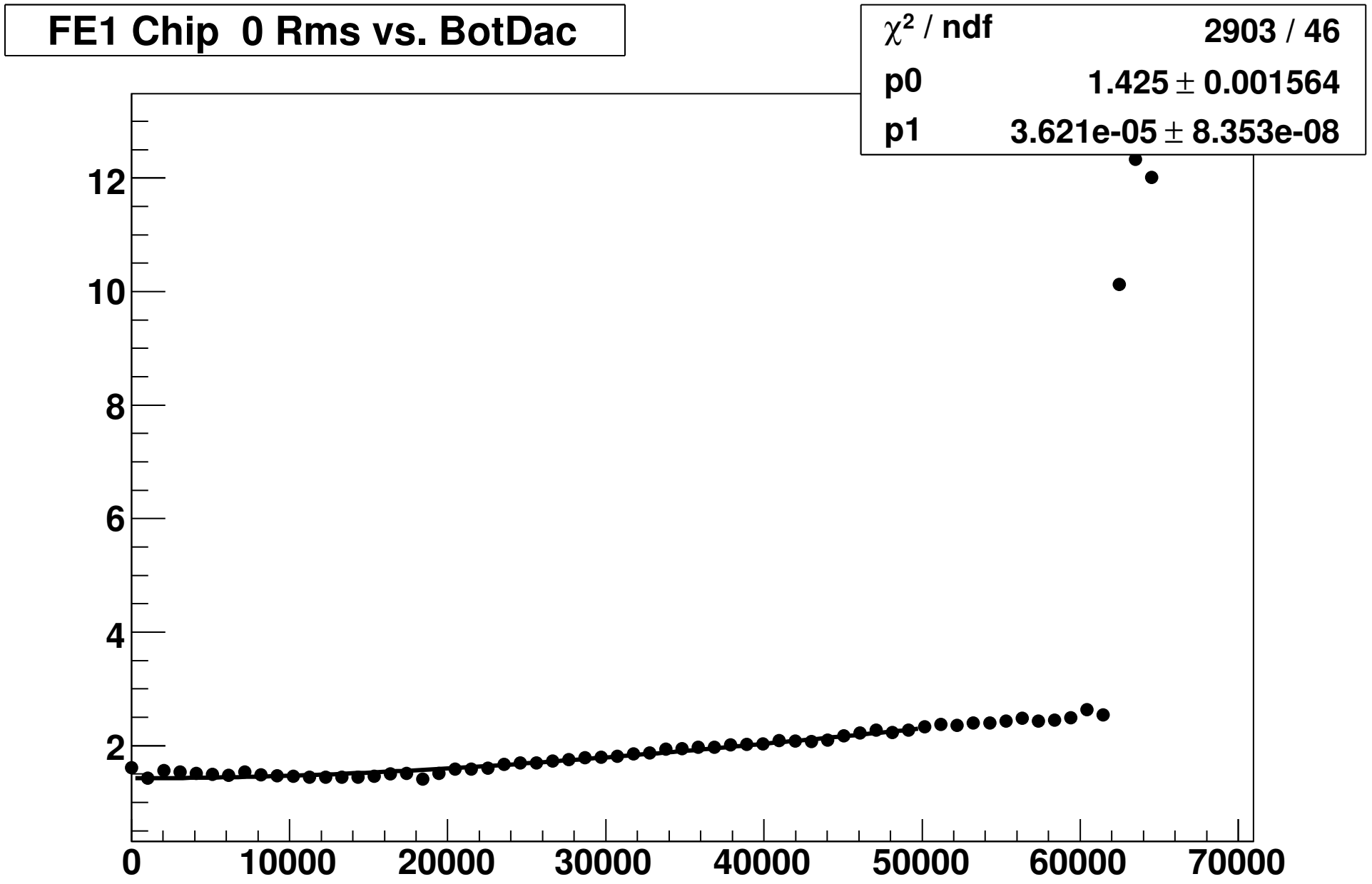

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 5694 / 46
p0 46.91 ± 0.002724
p1 -8.029e-06 ± 9.459e-08
47.2
47.1
47
46.9
46.8
46.7
46.6
46.5
46.4
0
10000
20000
30000
40000
50000
60000
70000

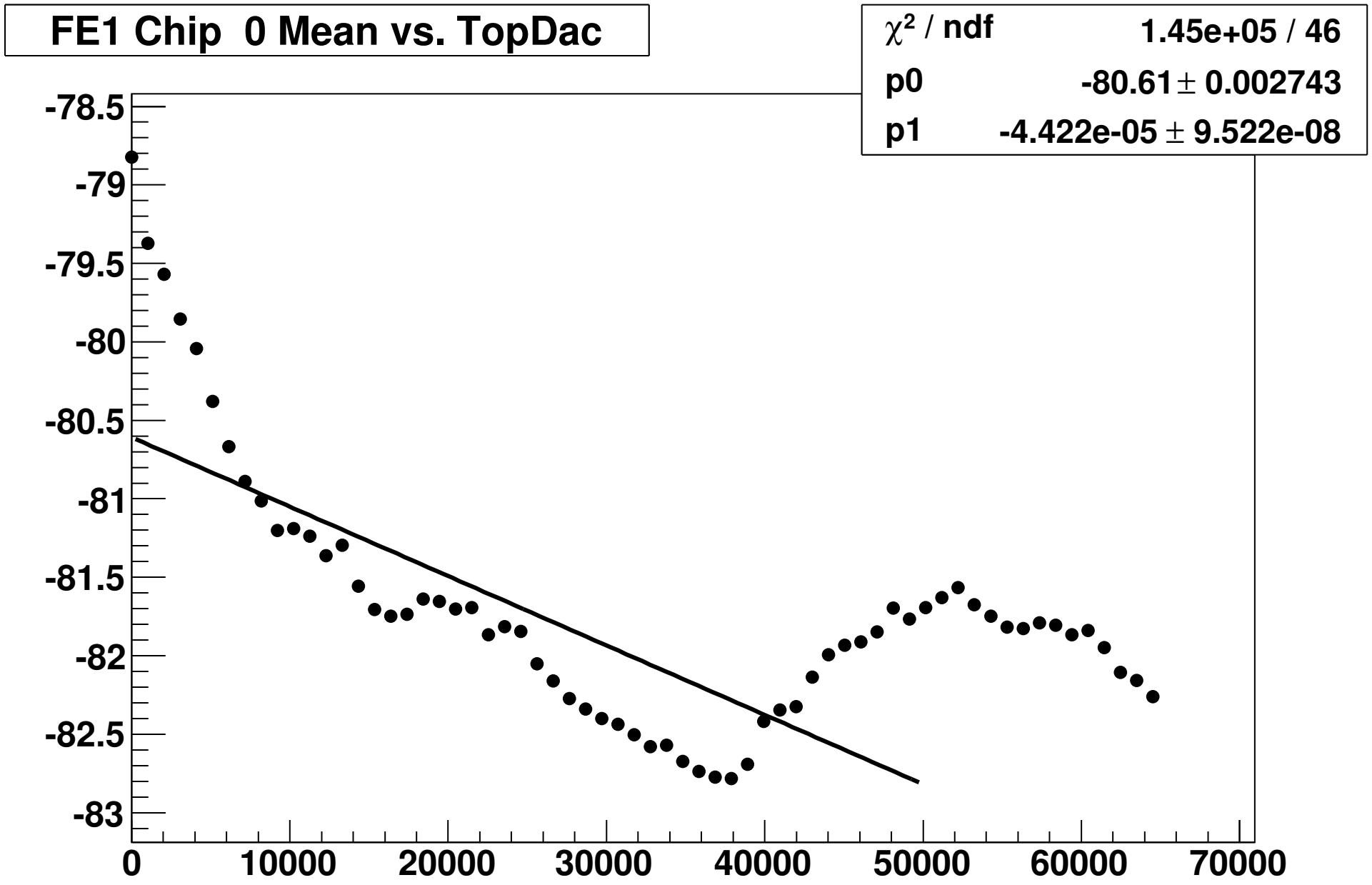

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 53.57 / 46
p0 1.526 ± 0.001433
p1 2.415e-06 ± 8.182e-07
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000

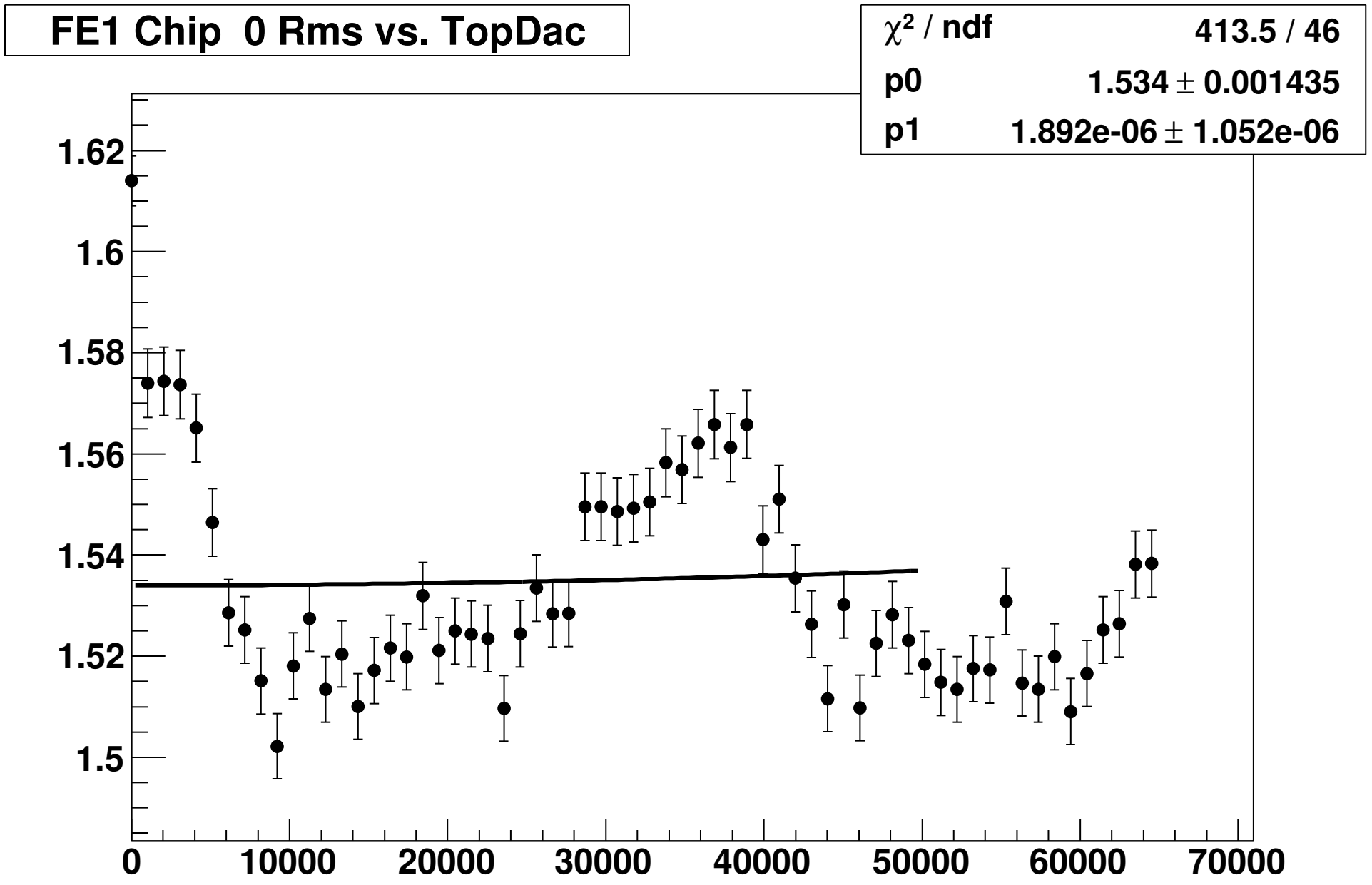

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 7.48e+05 / 46
p0 45.98 ± 0.002815
p1 0.4491 ± 1.118e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

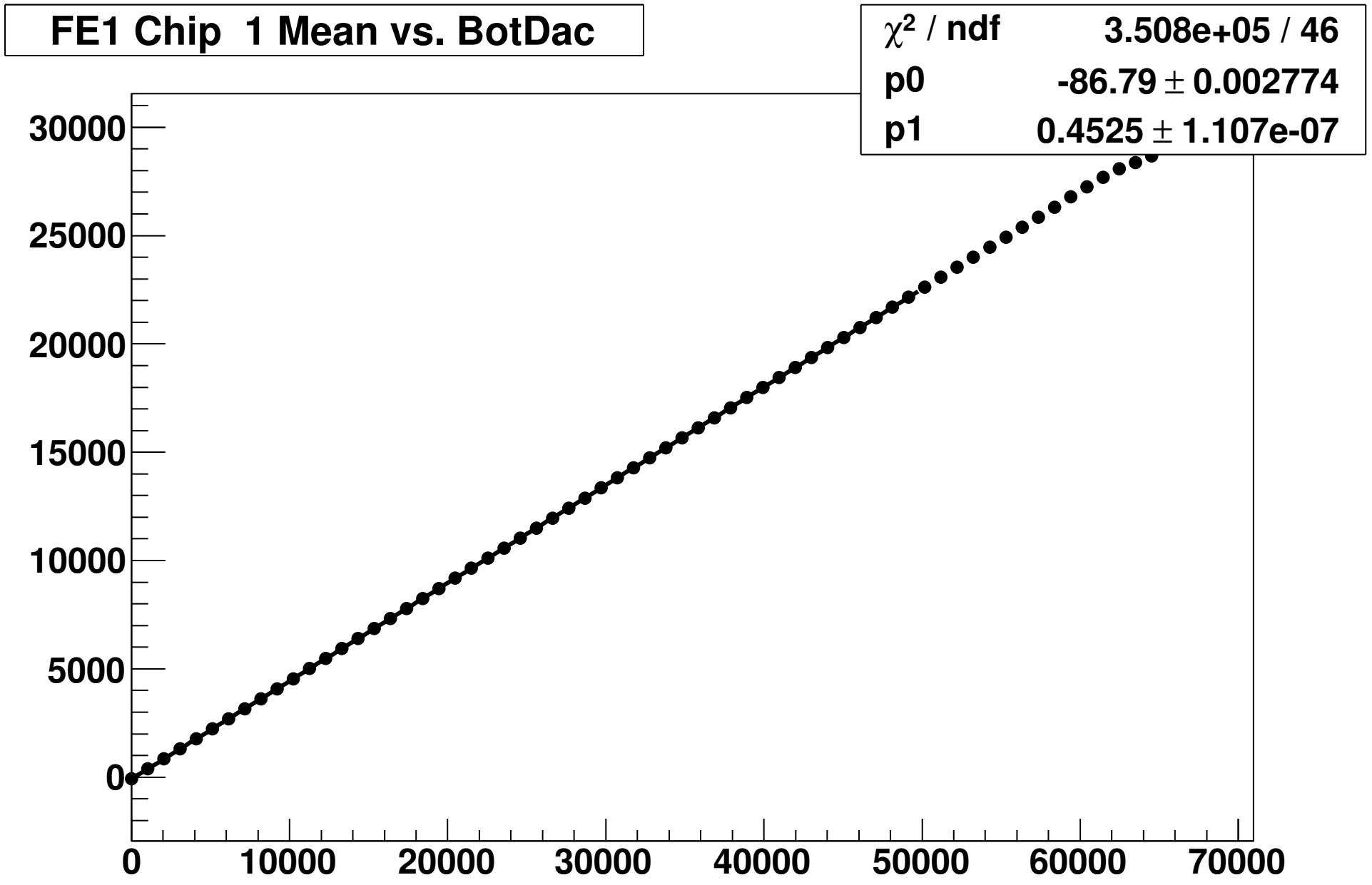

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 4237 / 46
p0 1.429 ± 0.001567
p1 3.58e-05 ± 8.41e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

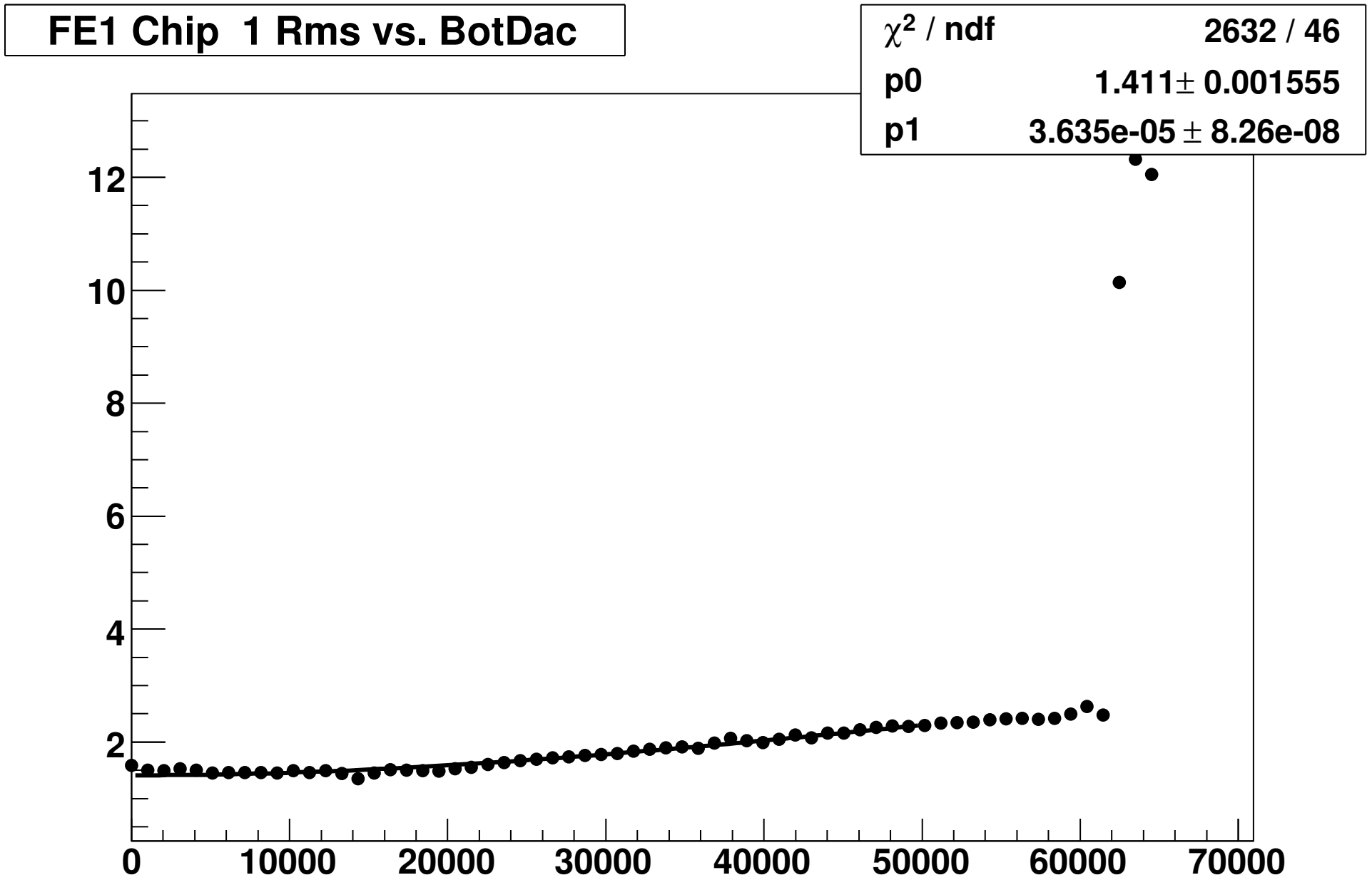

FE1 Chip 0 Mean vs. BotDac
χ² / ndf 5.103e+05 / 46
p0 -83.13 ± 0.00279
p1 0.4524 ± 1.111e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

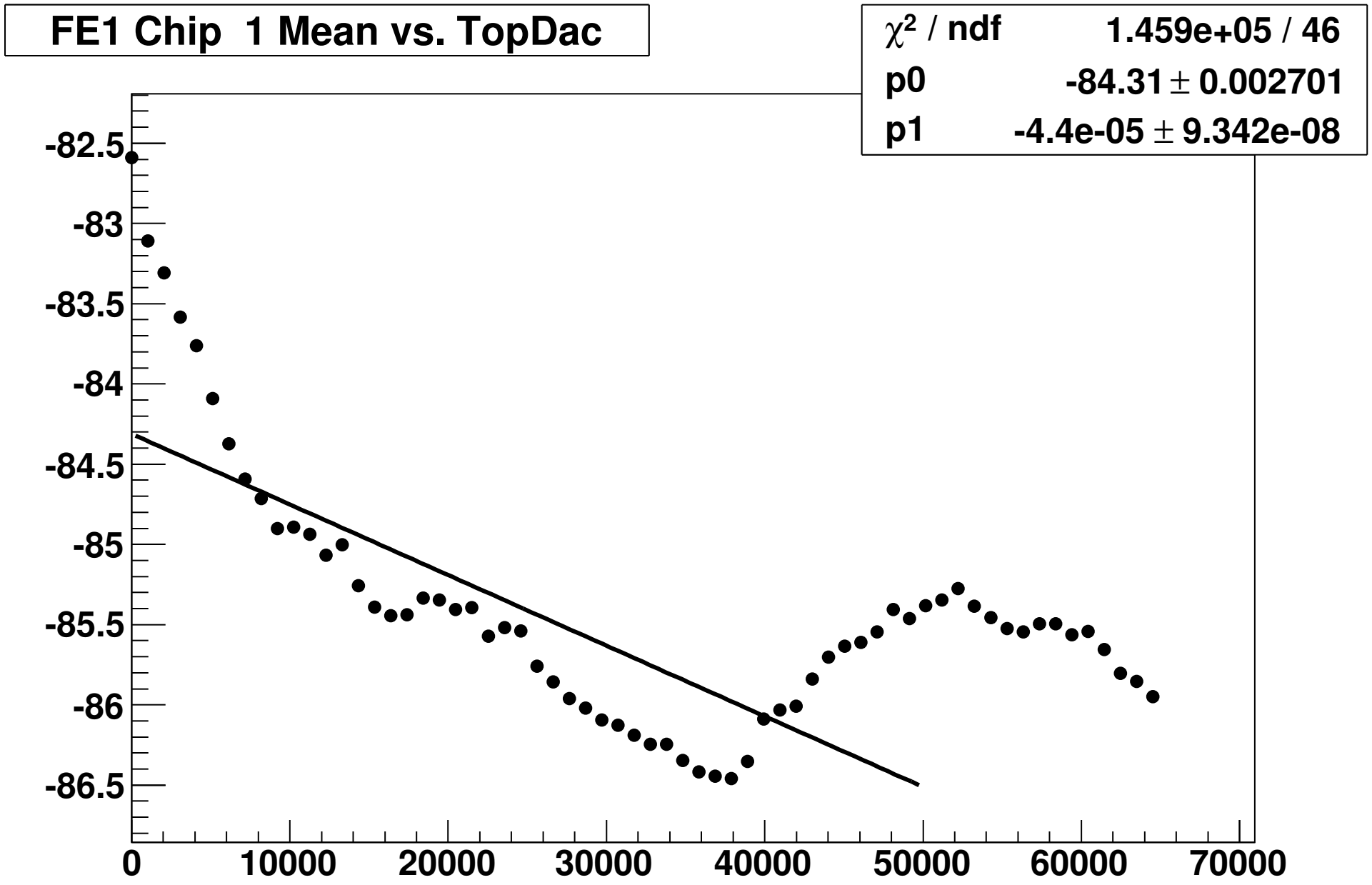

FE1 Chip 0 Rms vs. BotDac
χ² / ndf 2903 / 46
p0 1.425 ± 0.001564
p1 3.621e-05 ± 8.353e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

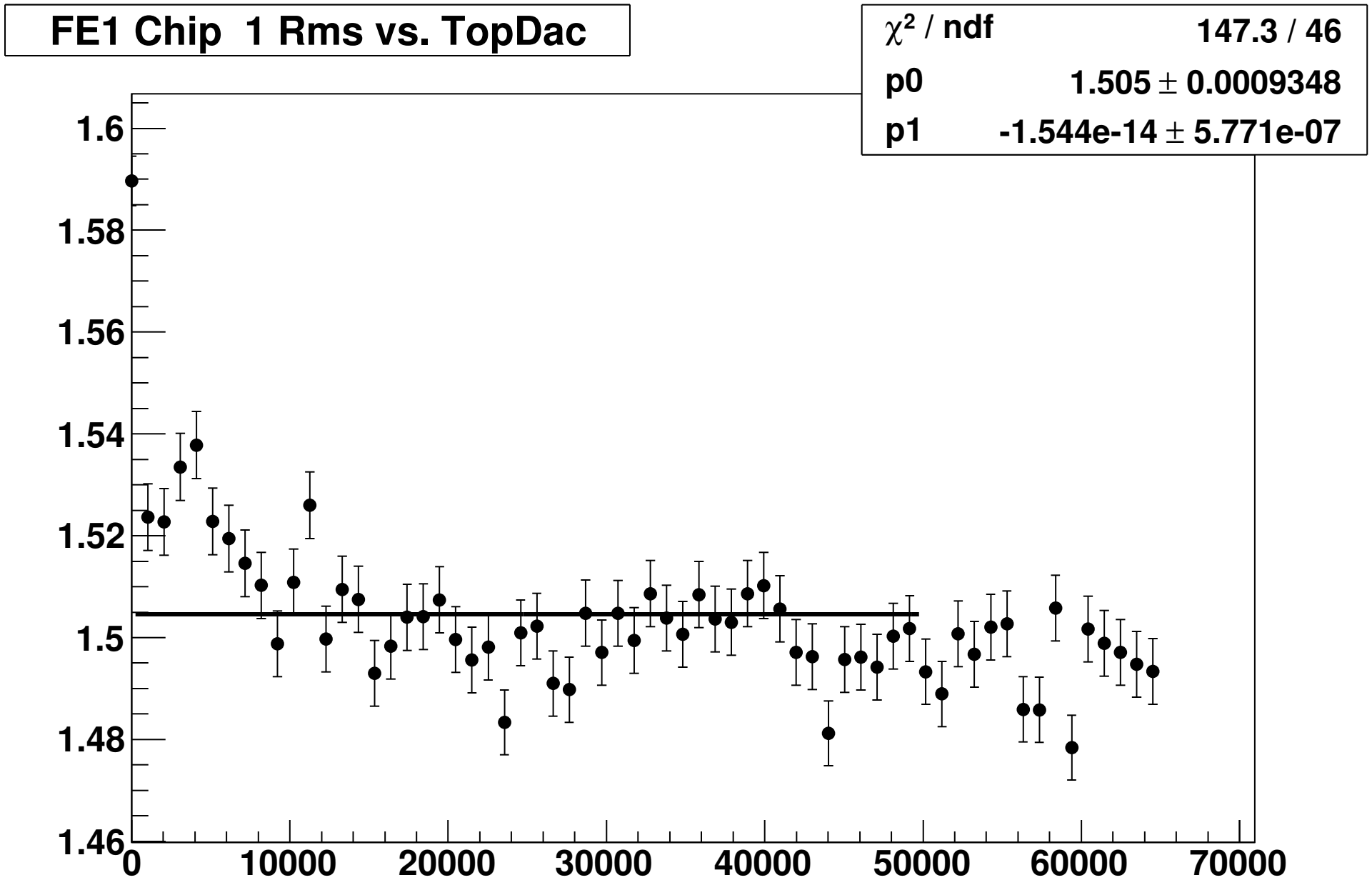

FE1 Chip 0 Mean vs. TopDac
χ² / ndf 1.45e+05 / 46
p0 -80.61 ± 0.002743
p1 -4.422e-05 ± 9.522e-08
-78.5
-79
-79.5
-80
-80.5
-81
-81.5
-82
-82.5
-83
0
10000
20000
30000
40000
50000
60000
70000

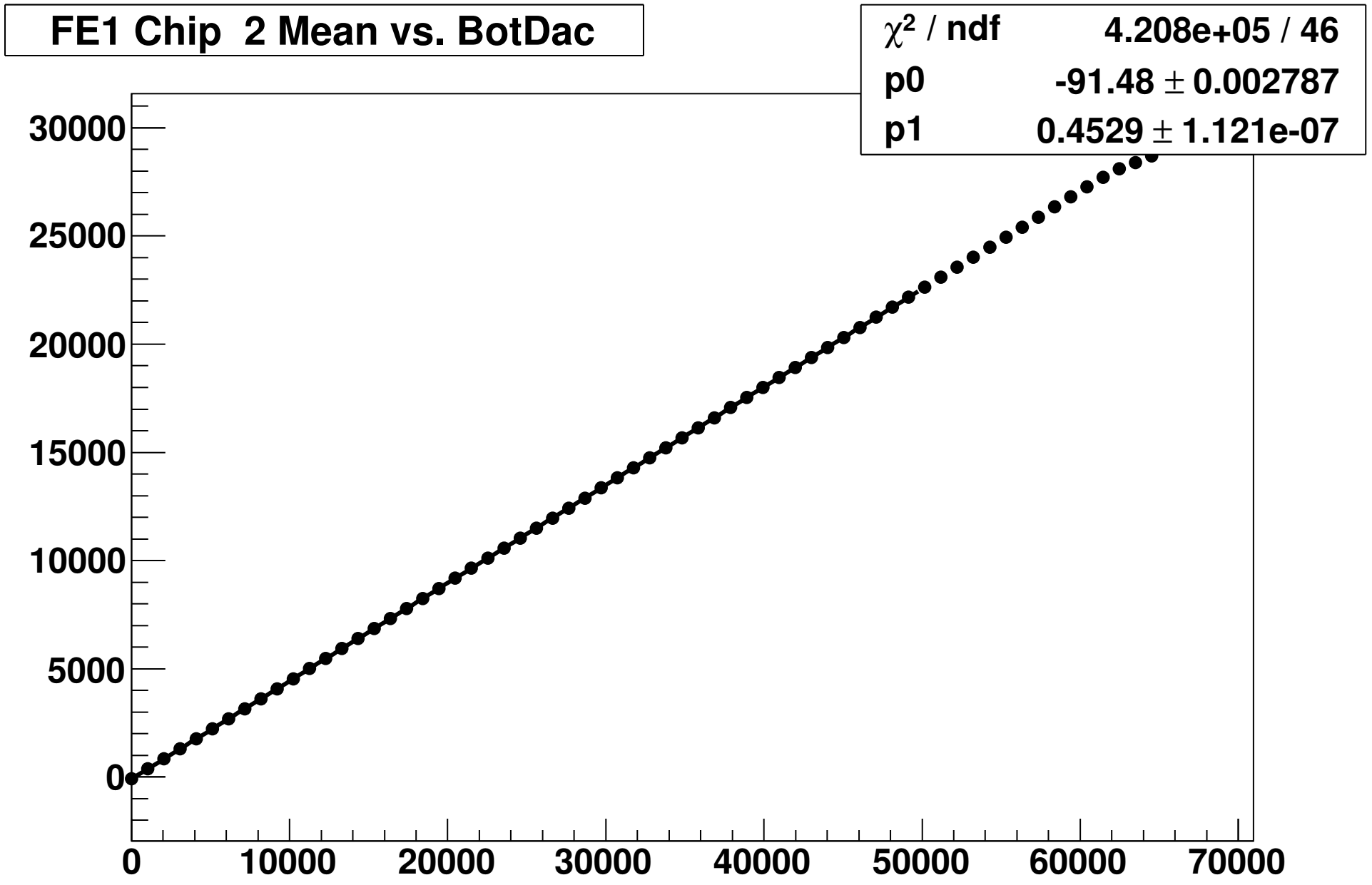

FE1 Chip 0 Rms vs. TopDac
χ² / ndf 413.5 / 46
p0 1.534 ± 0.001435
p1 1.892e-06 ± 1.052e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000

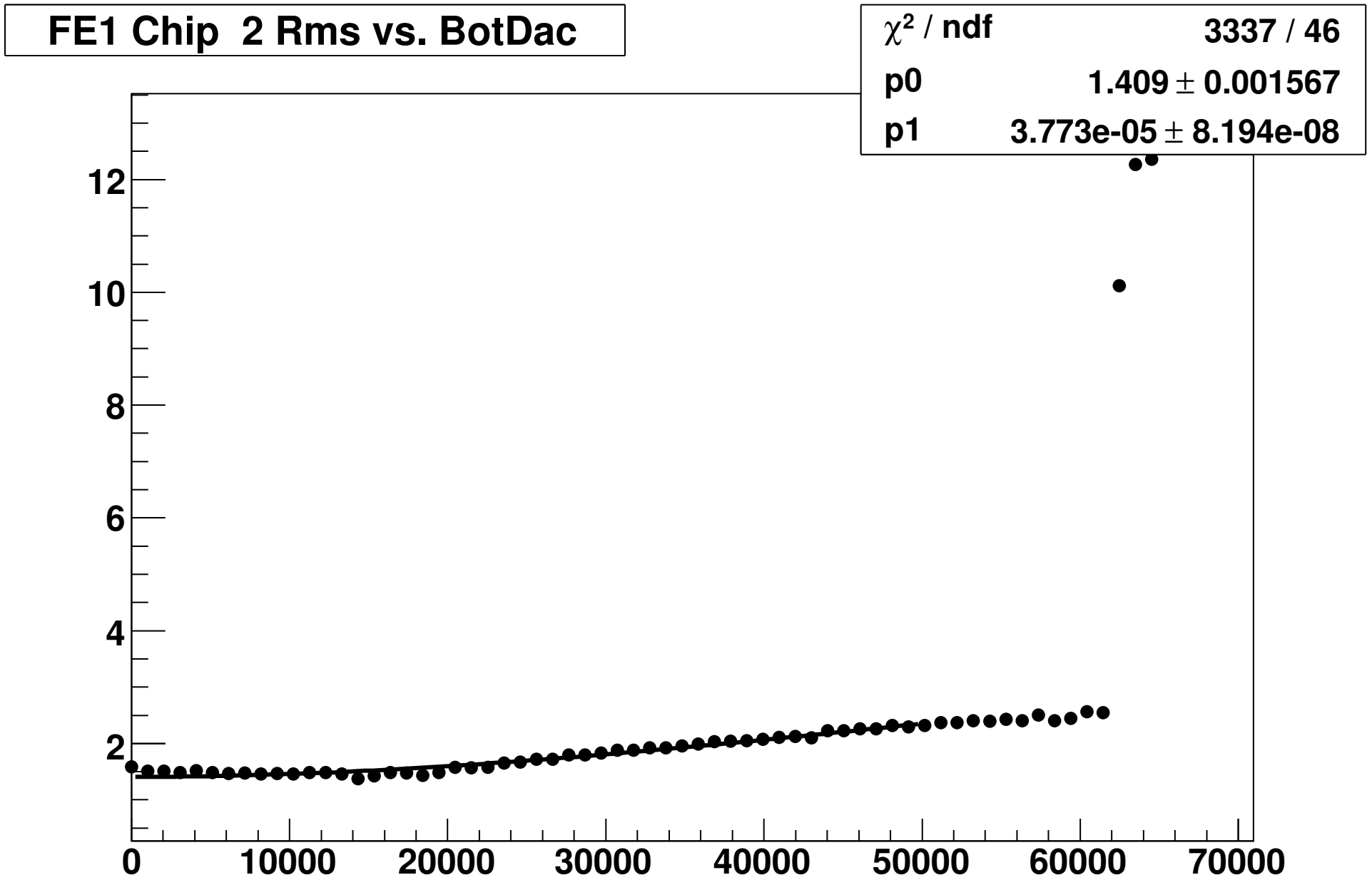

FE1 Chip 1 Mean vs. BotDac
χ² / ndf 3.508e+05 / 46
p0 -86.79 ± 0.002774
p1 0.4525 ± 1.107e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

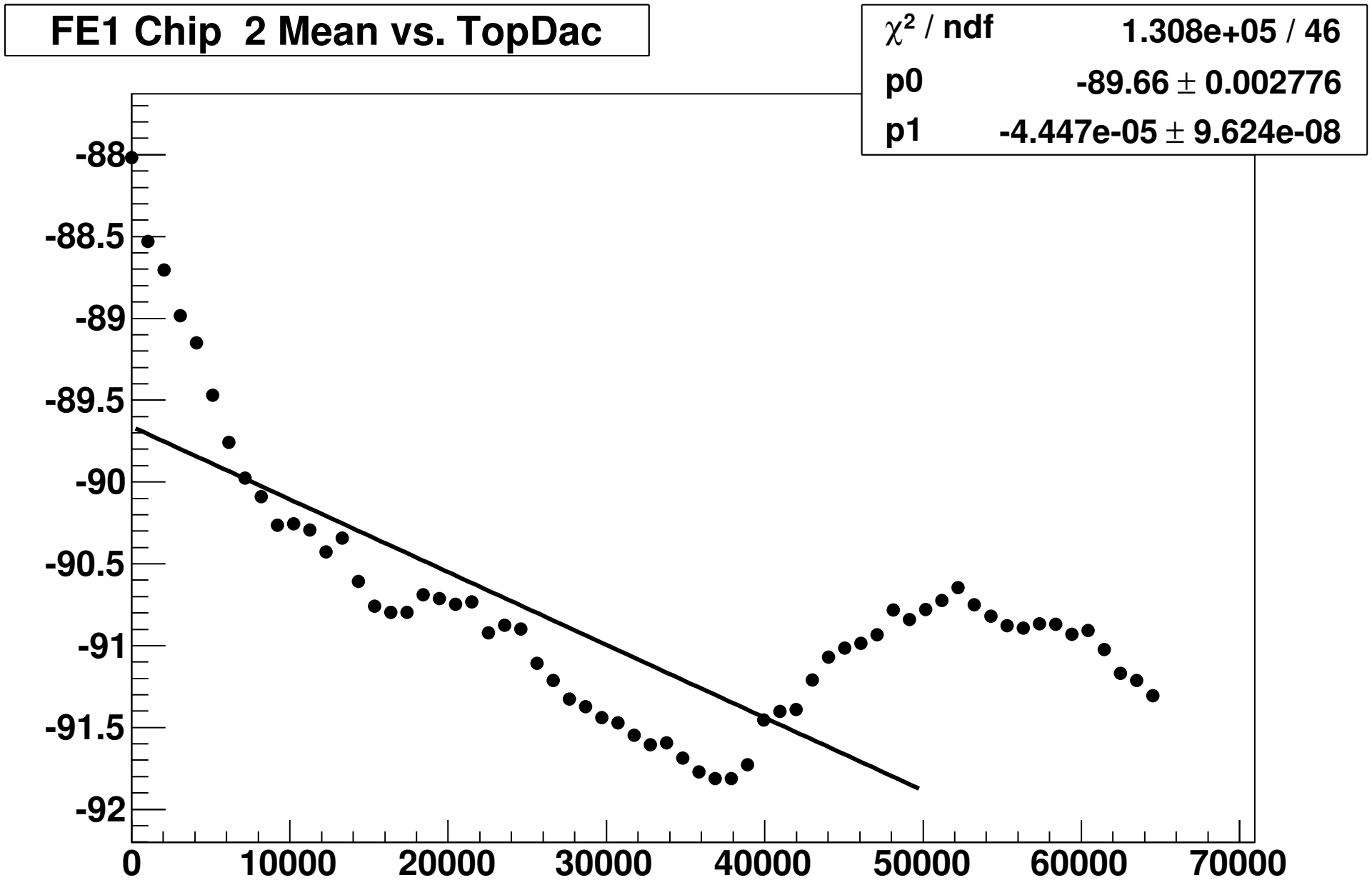

FE1 Chip 1 Rms vs. BotDac
χ² / ndf 2632 / 46
p0 1.411 ± 0.001555
p1 3.635e-05 ± 8.26e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

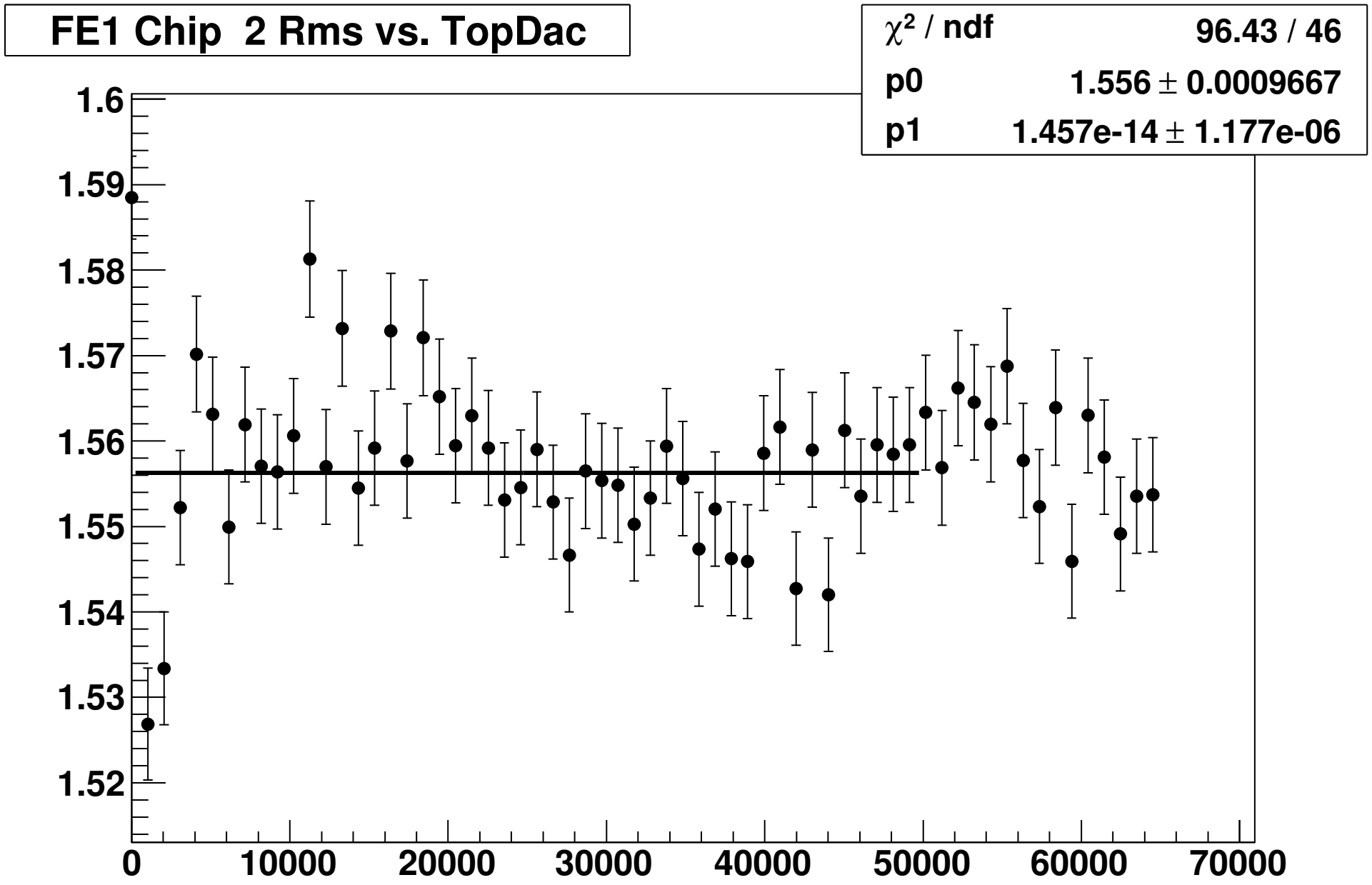

FE1 Chip 1 Mean vs. TopDac
χ² / ndf 1.459e+05 / 46
p0 -84.31 ± 0.002701
p1 -4.4e-05 ± 9.342e-08
-82.5
-83
-83.5
-84
-84.5
-85
-85.5
-86
-86.5
0
10000
20000
30000
40000
50000
60000
70000

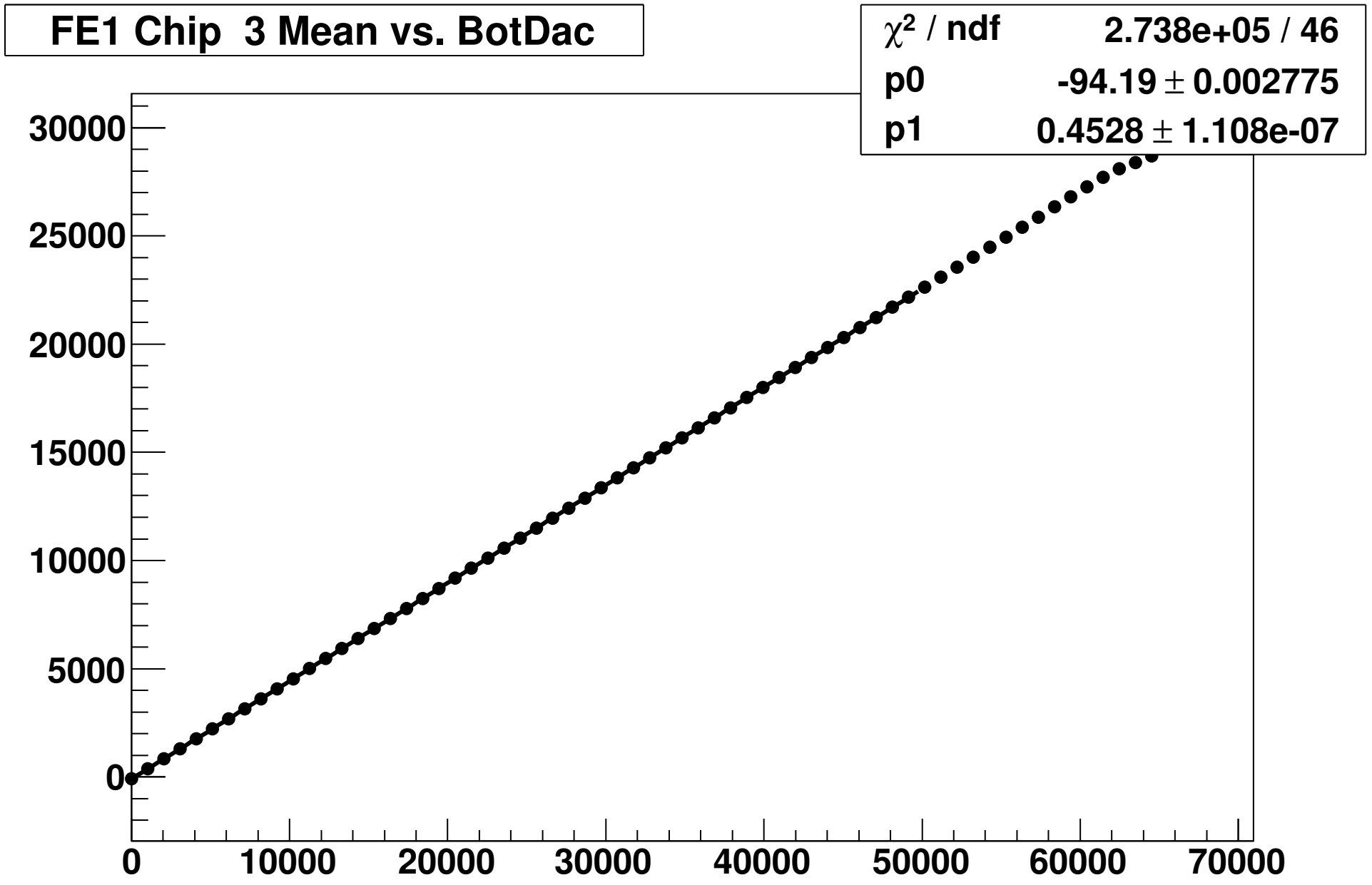

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 147.3 / 46
p0 1.505 ± 0.0009348
p1 -1.544e-14 ± 5.771e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

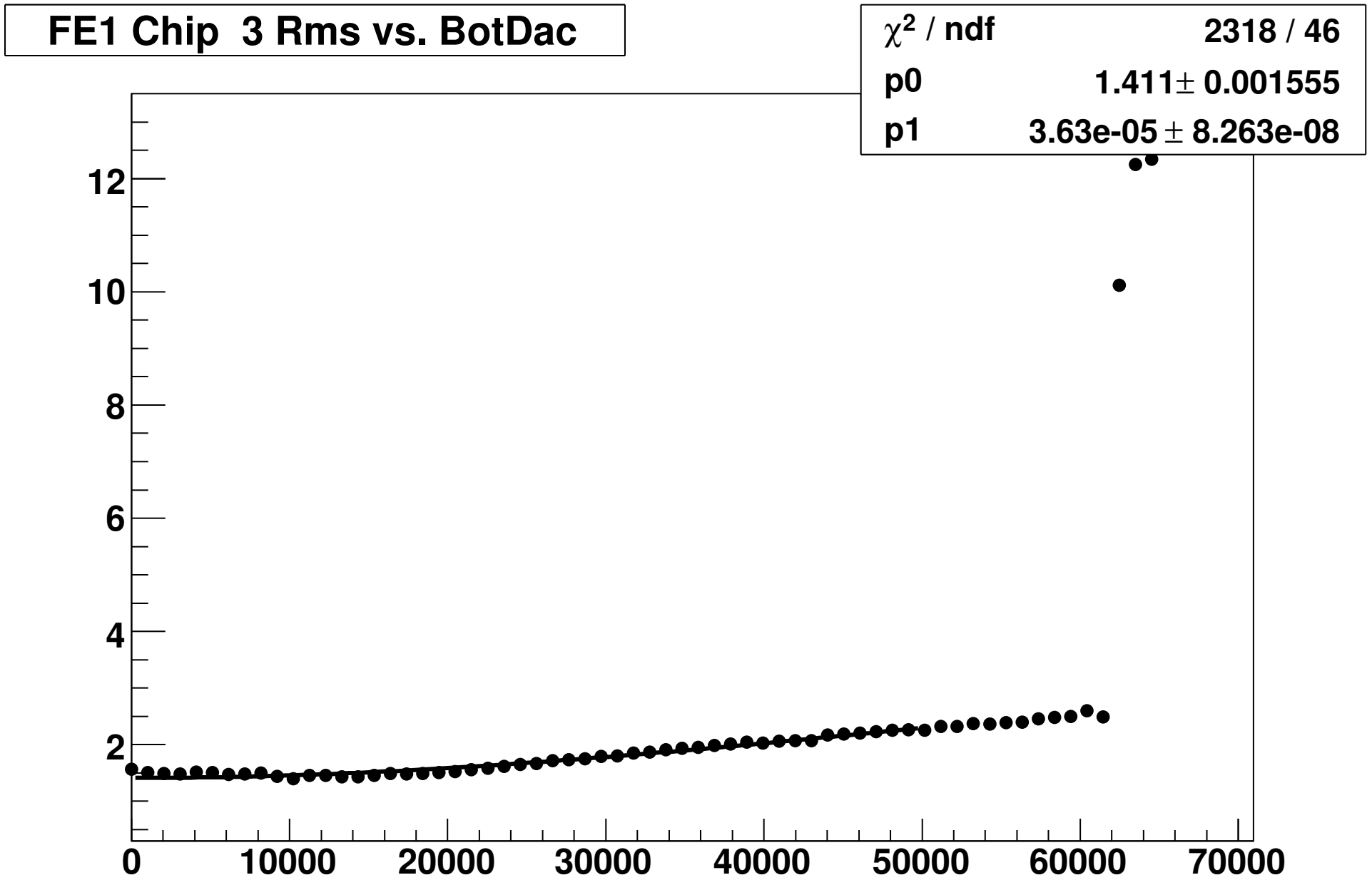

FE1 Chip 2 Mean vs. BotDac
χ² / ndf 4.208e+05 / 46
p0 -91.48 ± 0.002787
p1 0.4529 ± 1.121e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

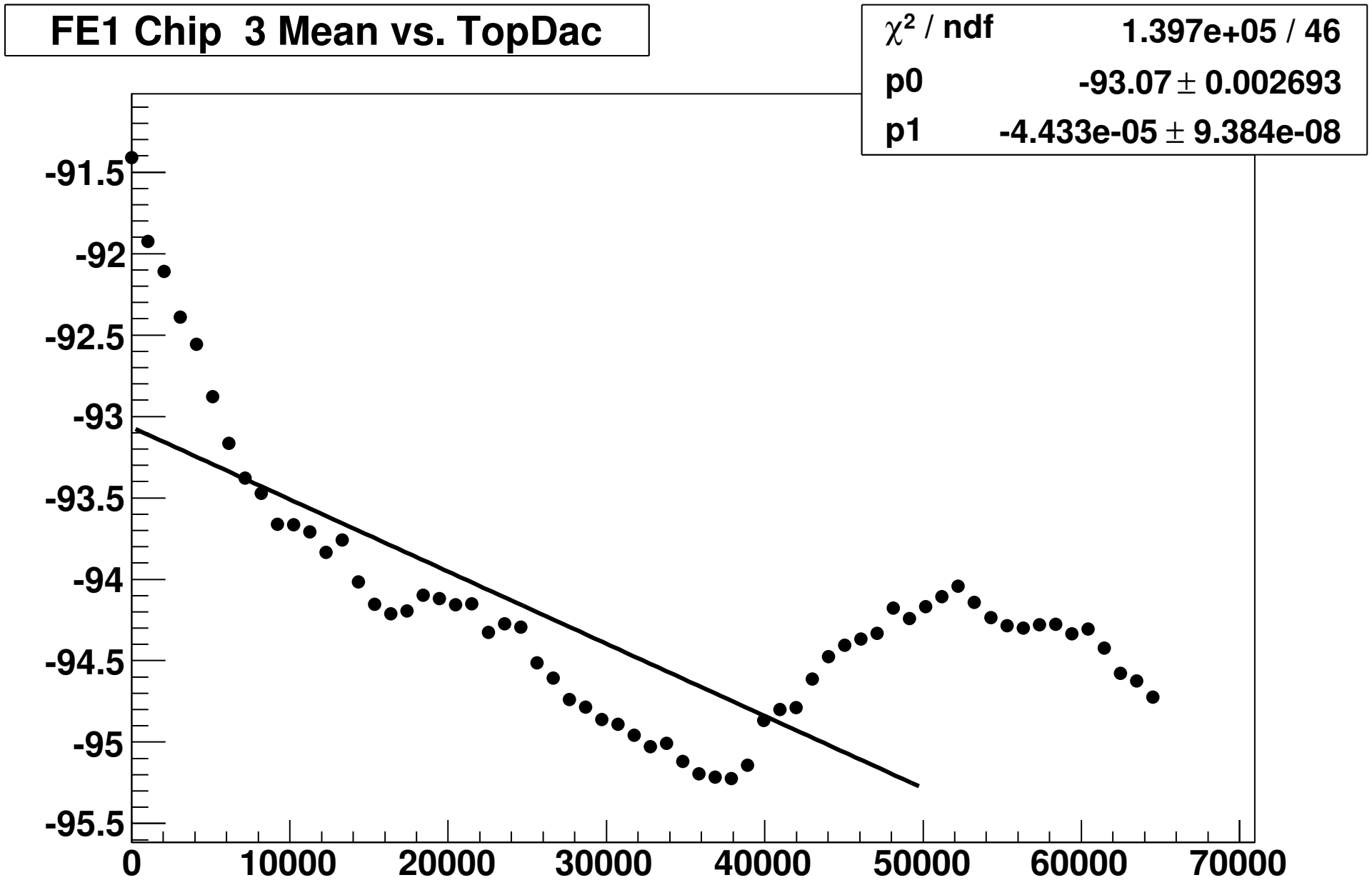

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 3337 / 46
p0 1.409 ± 0.001567
p1 3.773e-05 ± 8.194e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

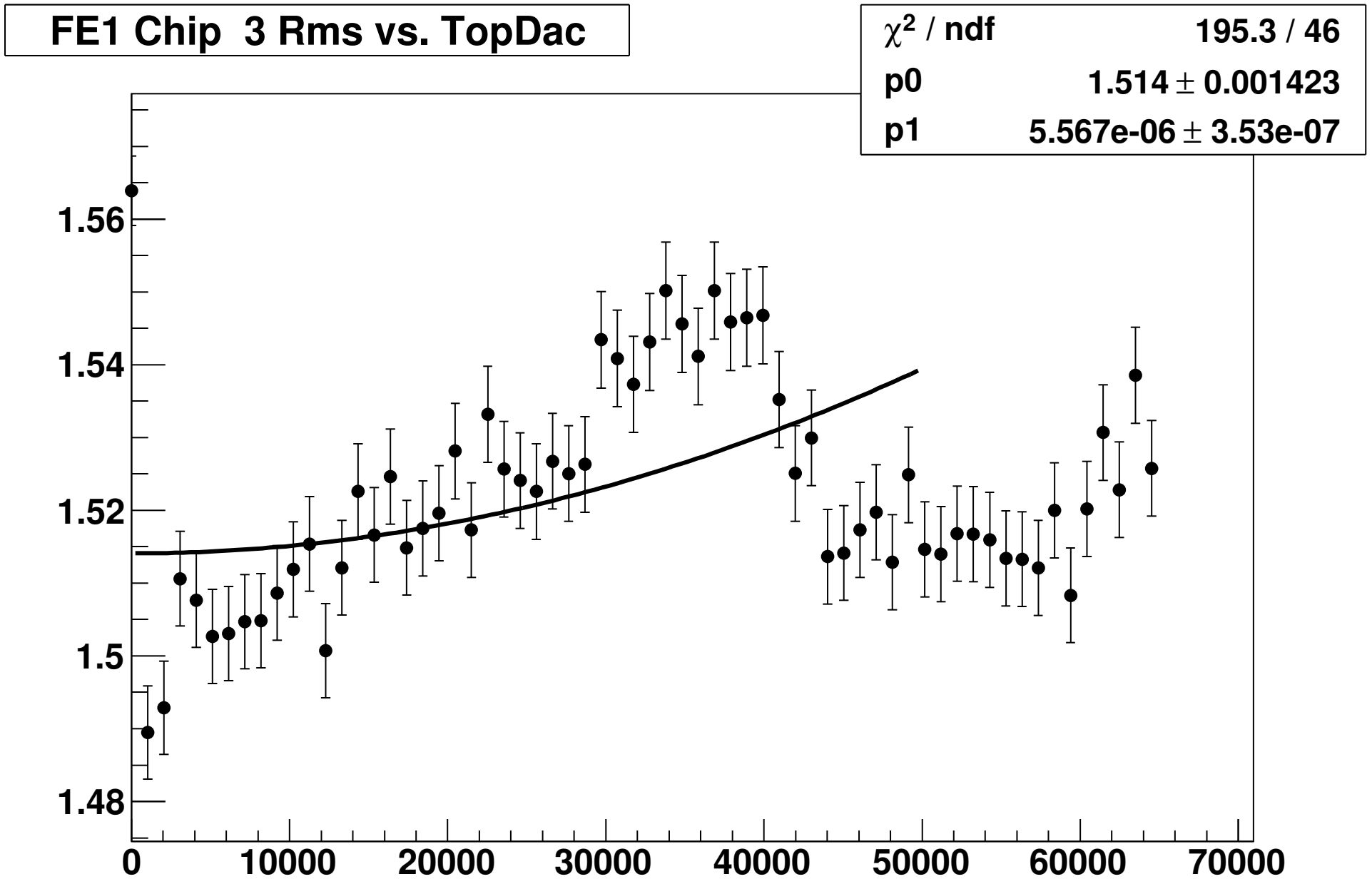

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 1.308e+05 / 46
p0 -89.66 ± 0.002776
p1 -4.447e-05 ± 9.624e-08
-88
-88.5
-89
-89.5
-90
-90.5
-91
-91.5
-92
0
10000
20000
30000
40000
50000
60000
70000

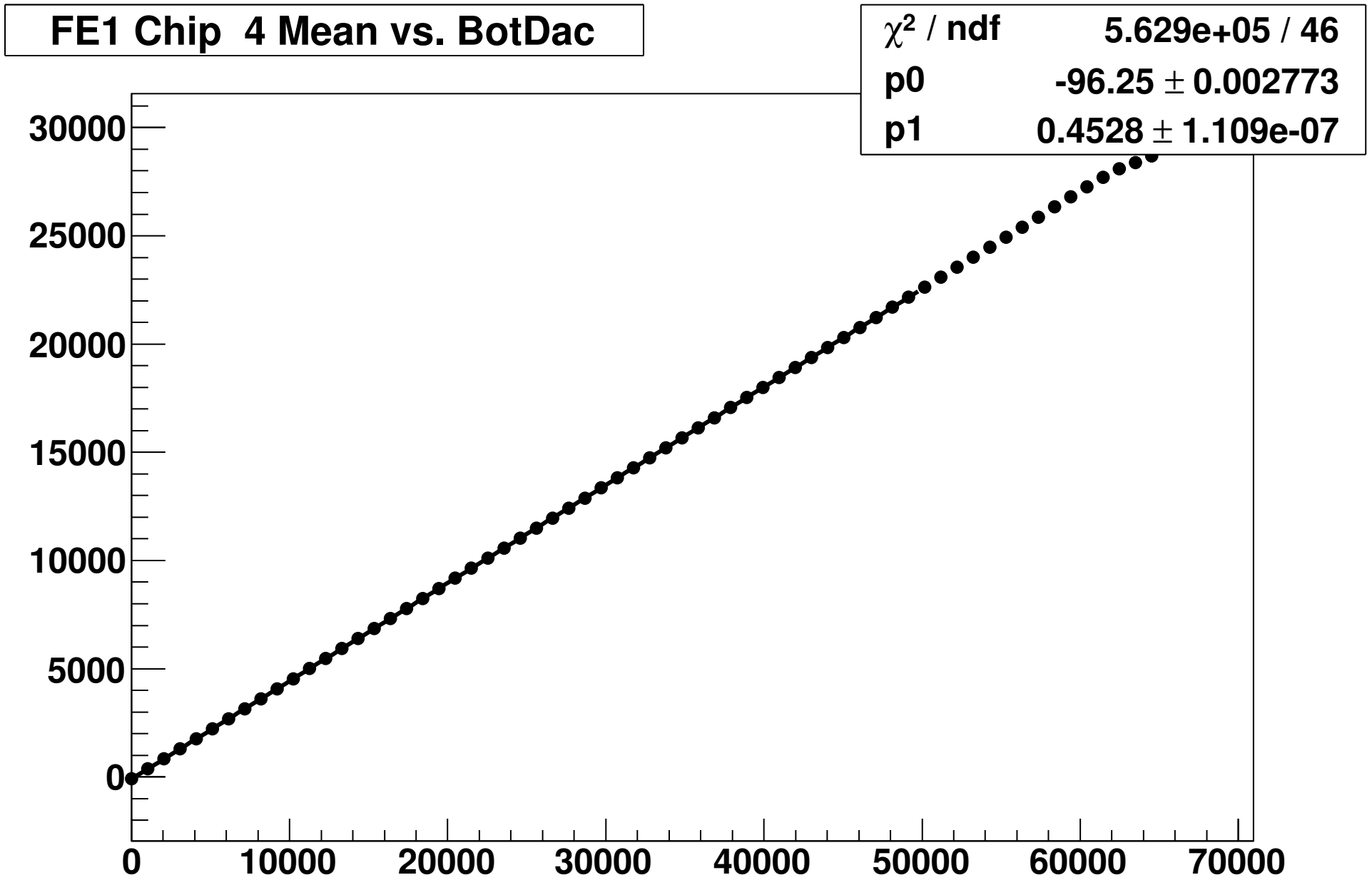

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 96.43 / 46
p0 1.556 ± 0.0009667
p1 1.457e-14 ± 1.177e-06
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000

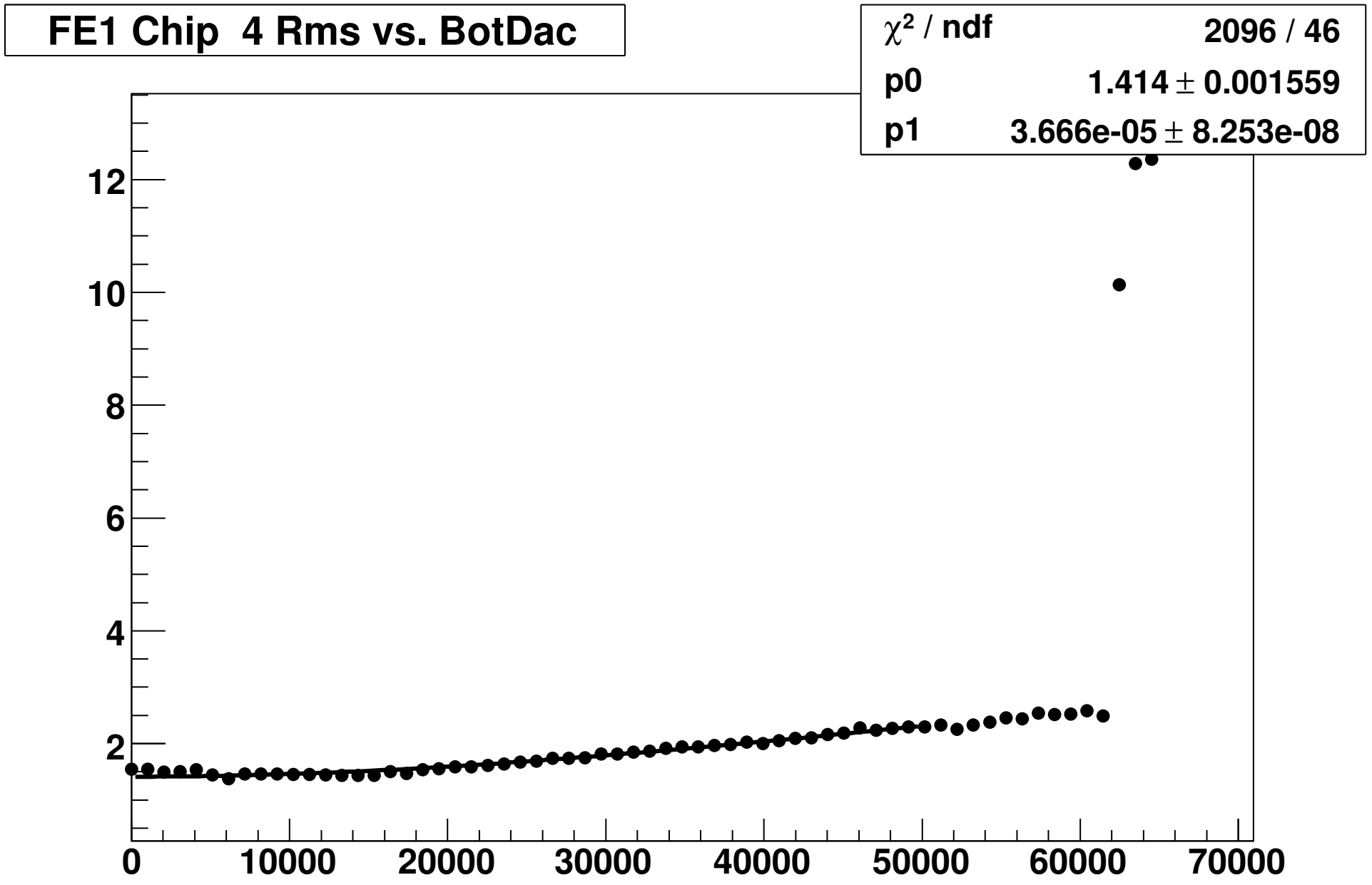

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 2.738e+05 / 46
p0 -94.19 ± 0.002775
p1 0.4528 ± 1.108e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

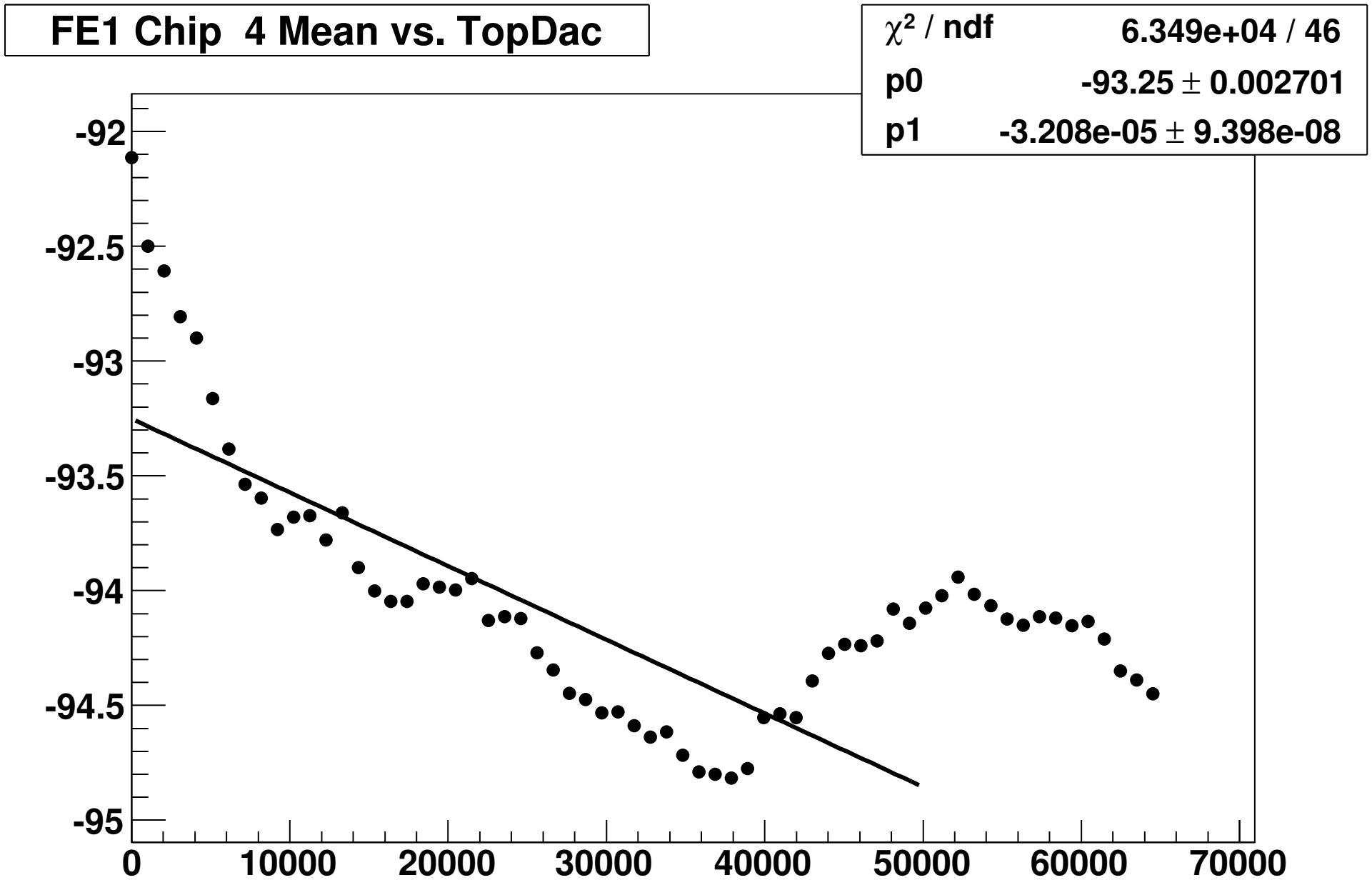

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 2318 / 46
p0 1.411 ± 0.001555
p1 3.63e-05 ± 8.263e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

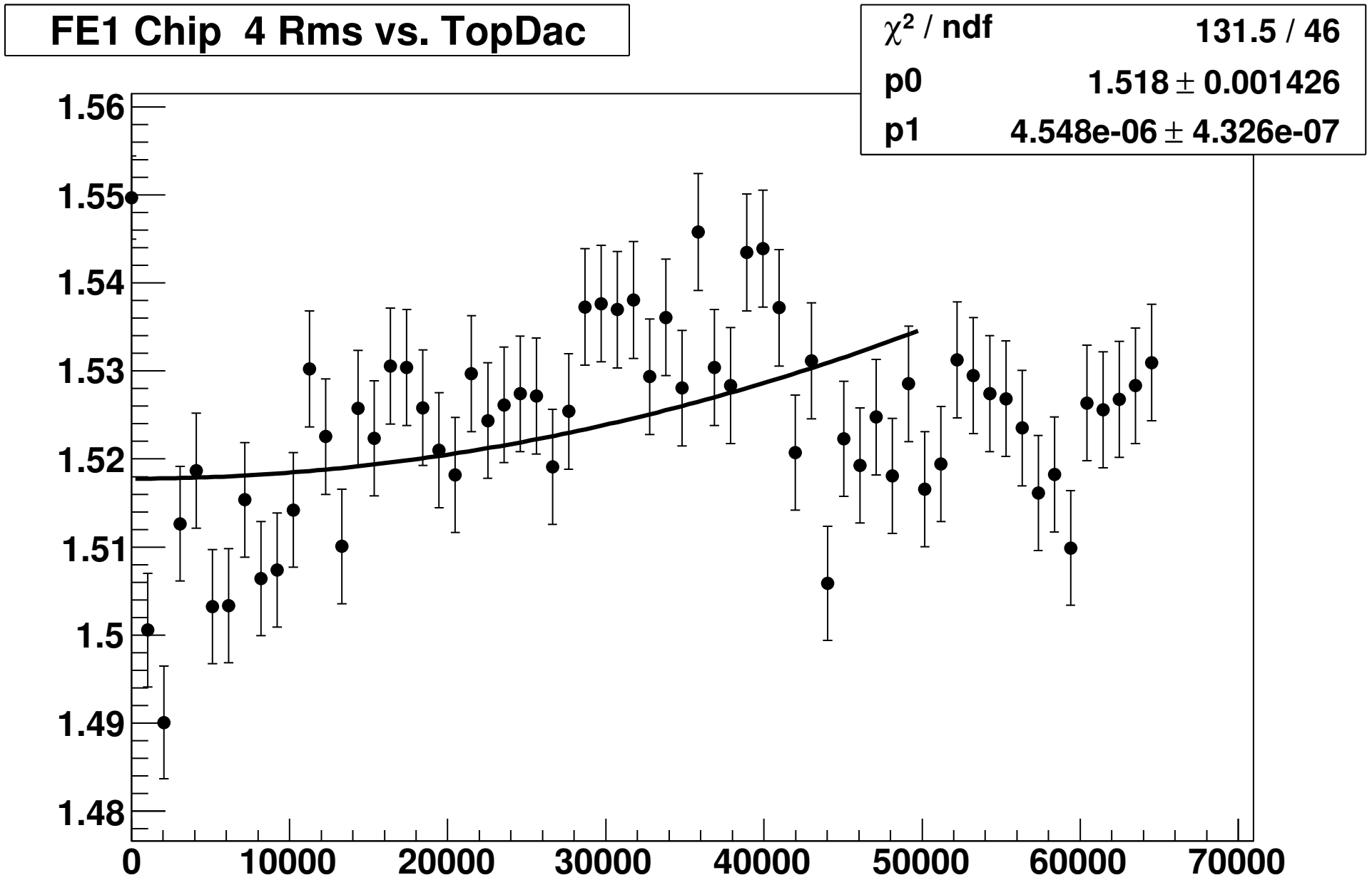

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 1.397e+05 / 46
p0 -93.07 ± 0.002693
p1 -4.433e-05 ± 9.384e-08
-91.5
-92
-92.5
-93
-93.5
-94
-94.5
-95
-95.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 195.3 / 46
p0 1.514 ± 0.001423
p1 5.567e-06 ± 3.53e-07
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 5.629e+05 / 46
p0 -96.25 ± 0.002773
p1 0.4528 ± 1.109e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 2096 / 46
p0 1.414 ± 0.001559
p1 3.666e-05 ± 8.253e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 6.349e+04 / 46
p0 -93.25 ± 0.002701
p1 -3.208e-05 ± 9.398e-08
-92
-92.5
-93
-93.5
-94
-94.5
-95
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 131.5 / 46
p0 1.518 ± 0.001426
p1 4.548e-06 ± 4.326e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
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60000
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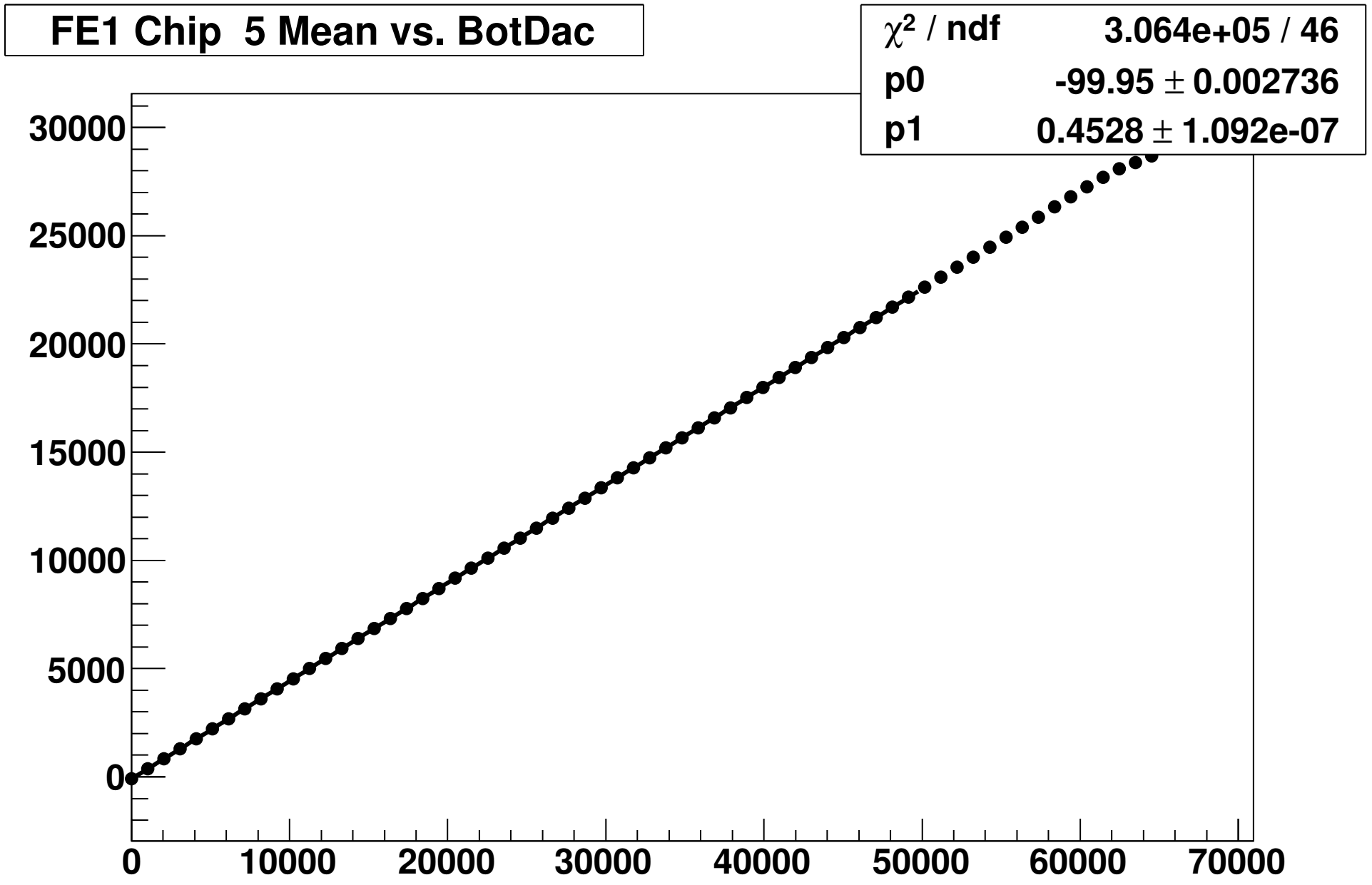
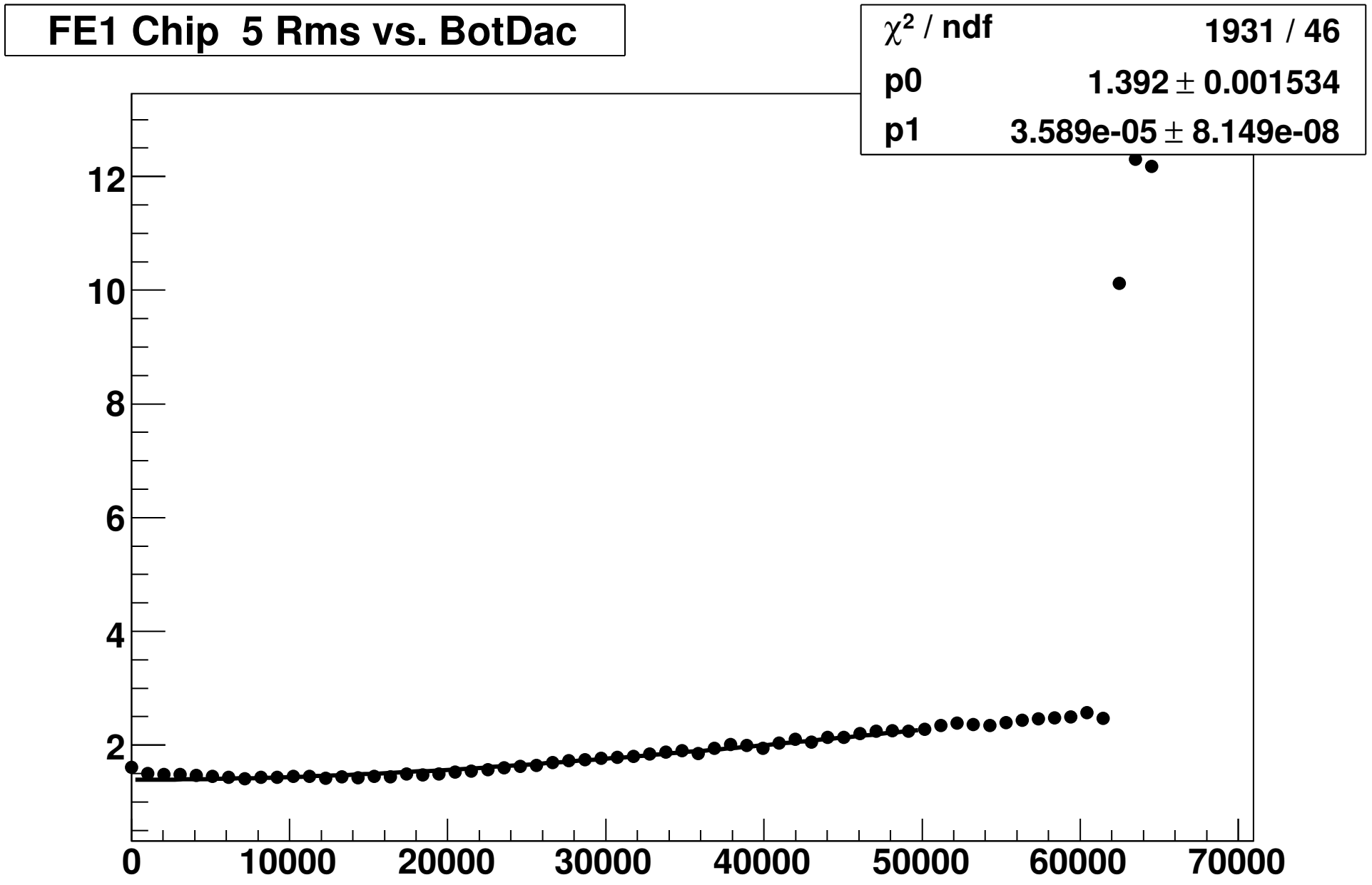

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 3.064e+05 / 46
p0 -99.95 ± 0.002736
p1 0.4528 ± 1.092e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1931 / 46
p0 1.392 ± 0.001534
p1 3.589e-05 ± 8.149e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
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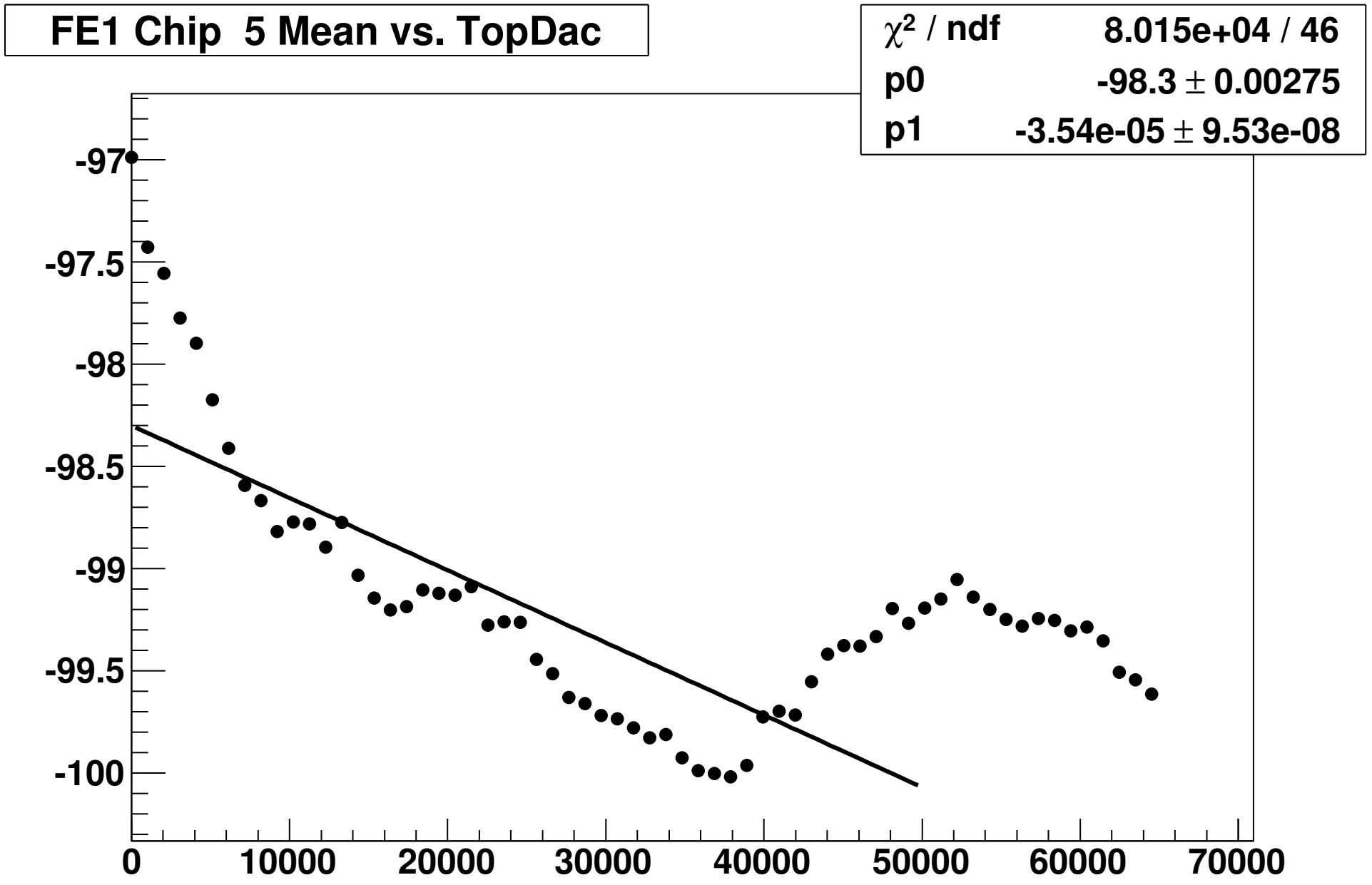
60000
70000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 8.015e+04 / 46
p0 -98.3 ± 0.00275
p1 -3.54e-05 ± 9.53e-08
-97
-97.5
-98
-98.5
-99
-99.5
-100
0
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20000
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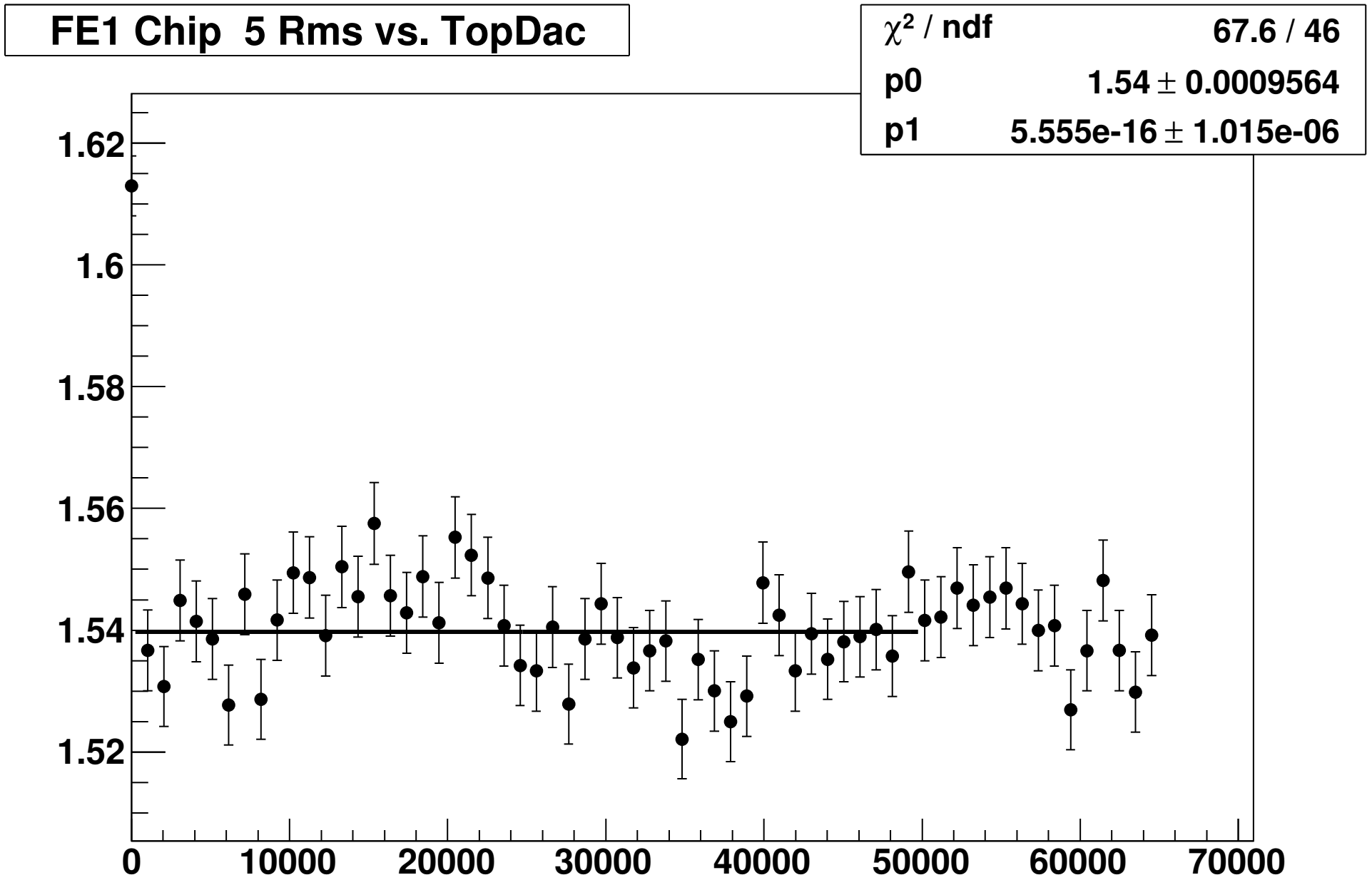
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 67.6 / 46
p0 1.54 ± 0.0009564
p1 5.555e-16 ± 1.015e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
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30000
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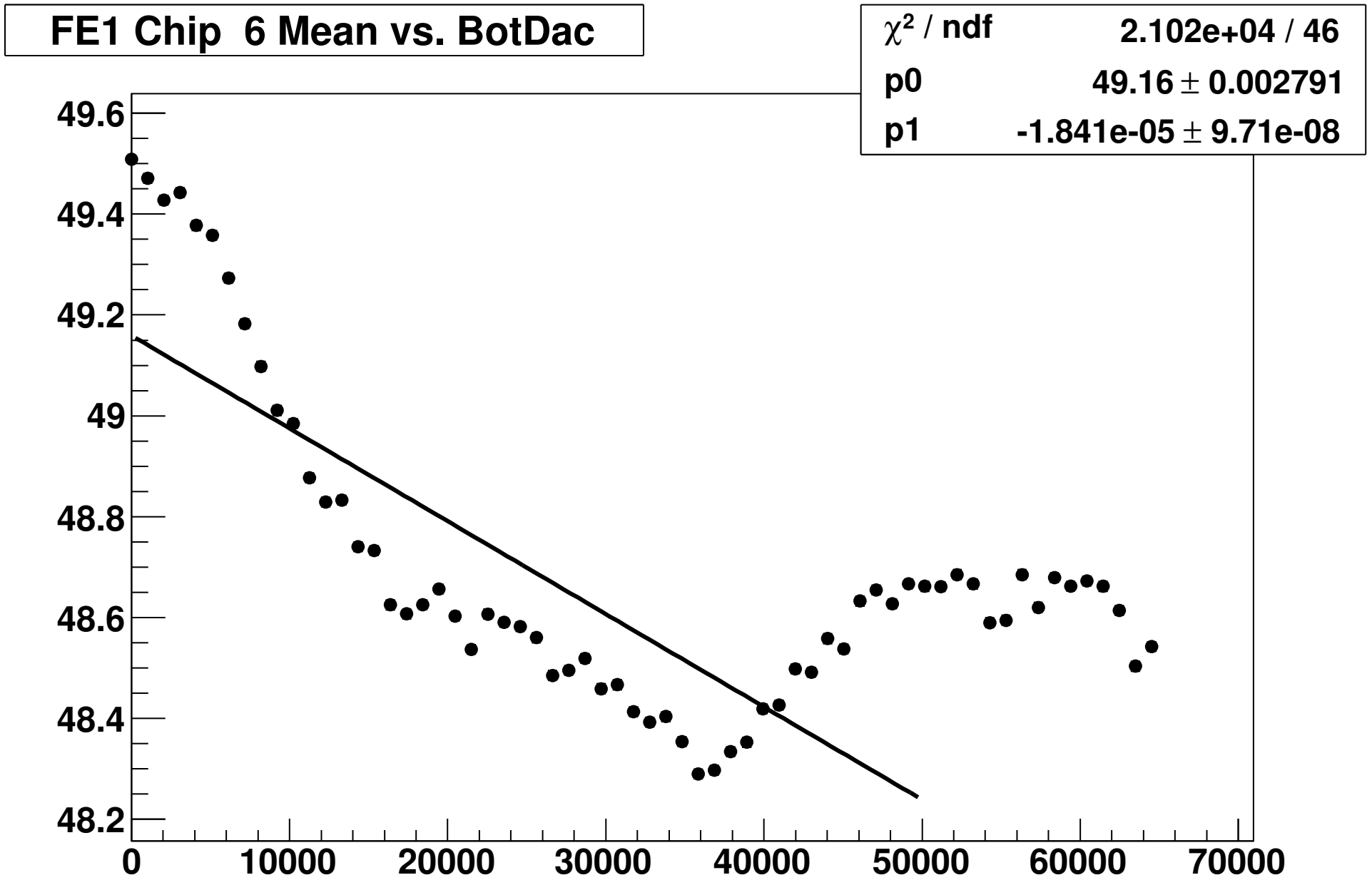
50000
60000
70000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 2.102e+04 / 46
p0 49.16 ± 0.002791
p1 -1.841e-05 ± 9.71e-08
49.6
49.4
49.2
49
48.8
48.6
48.4
48.2
0
10000
20000
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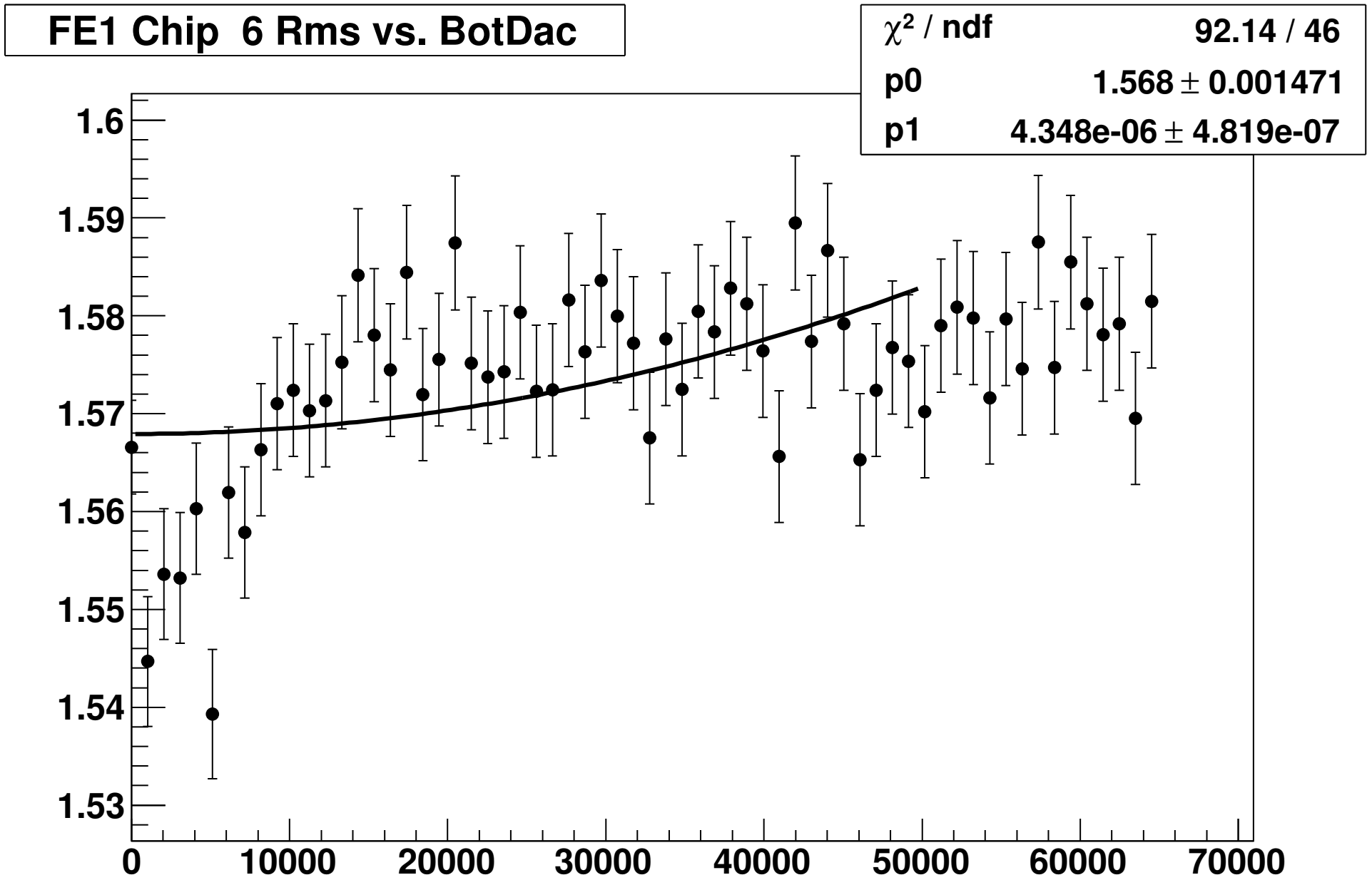
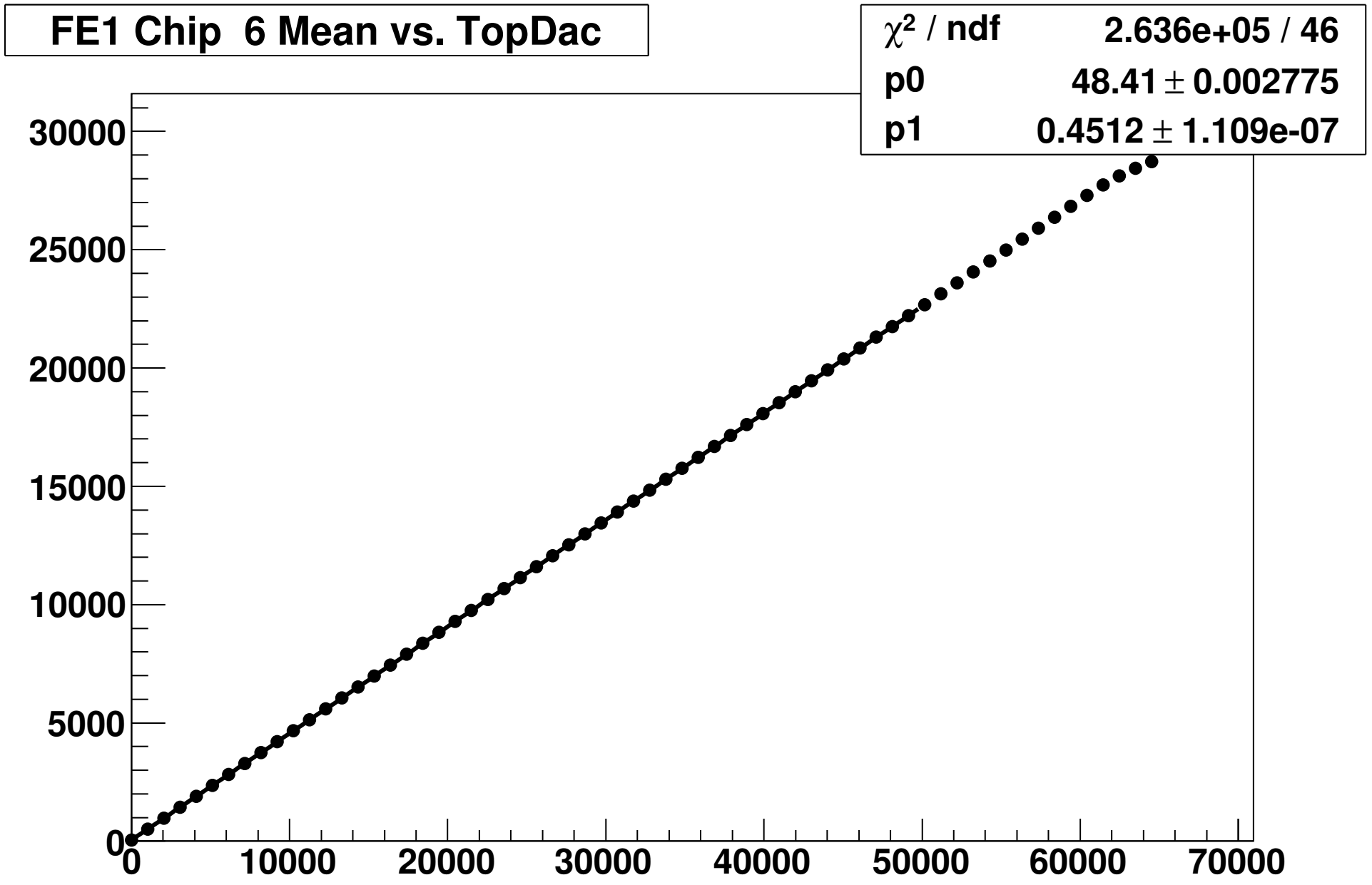
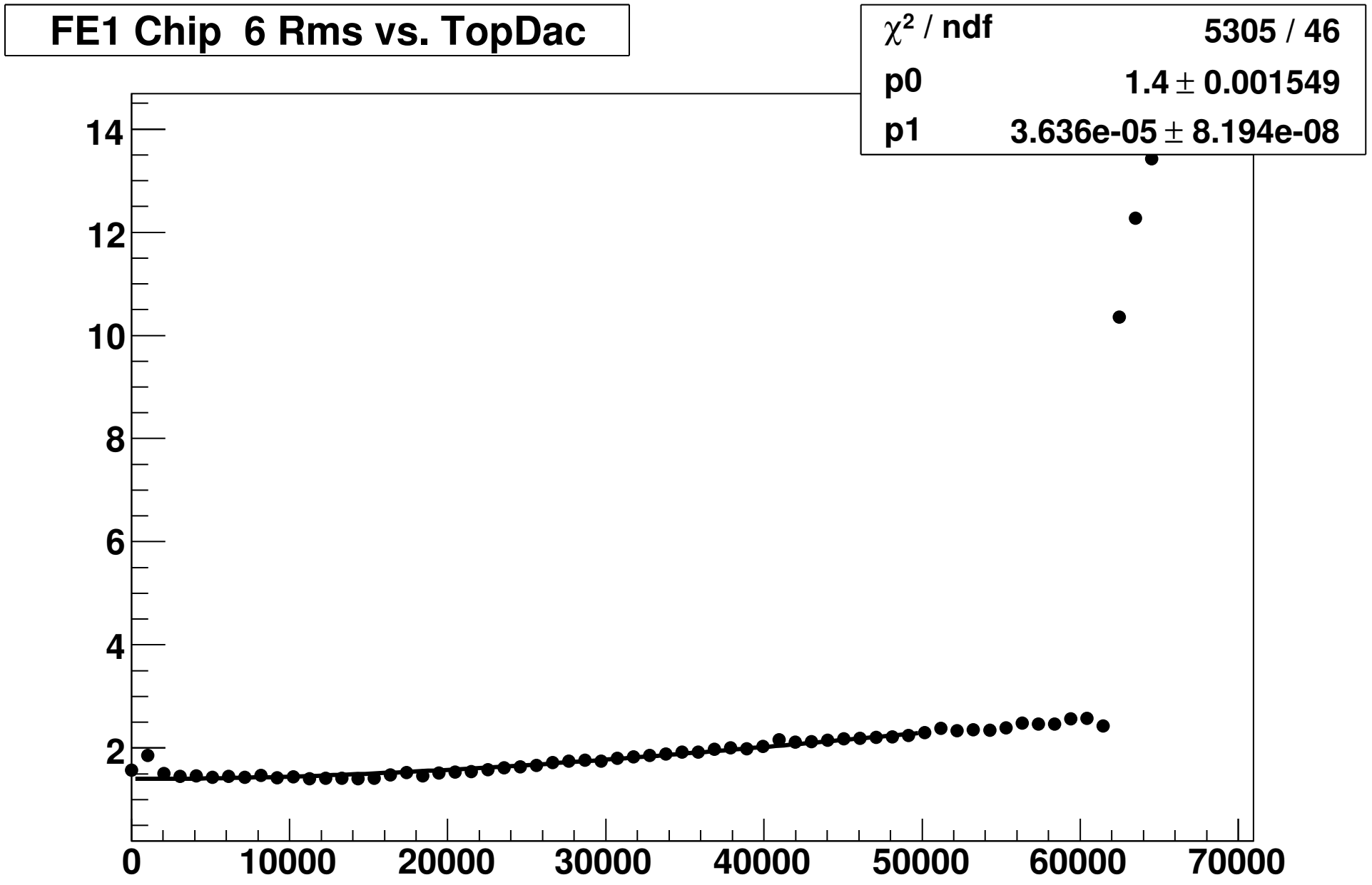
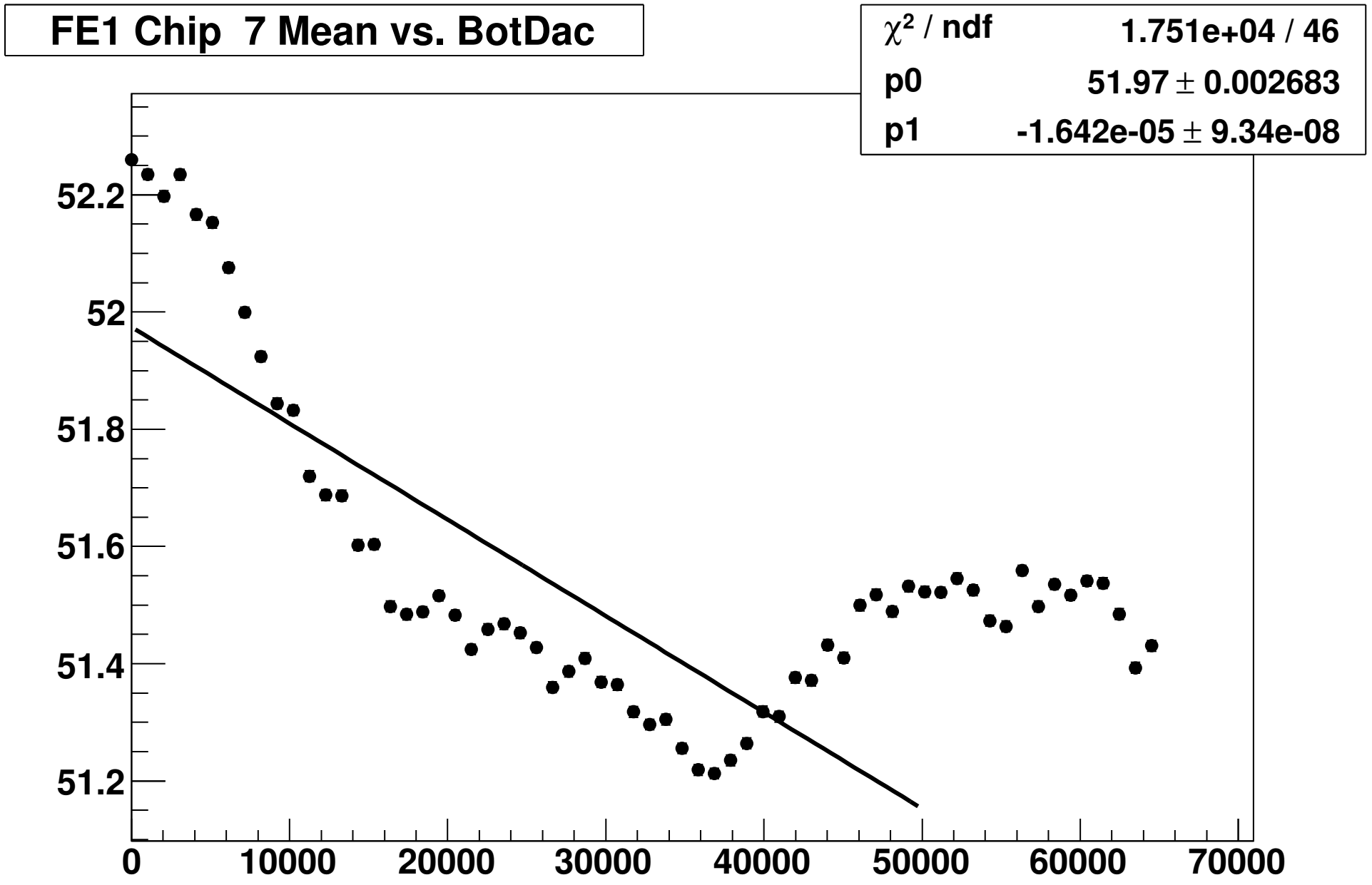
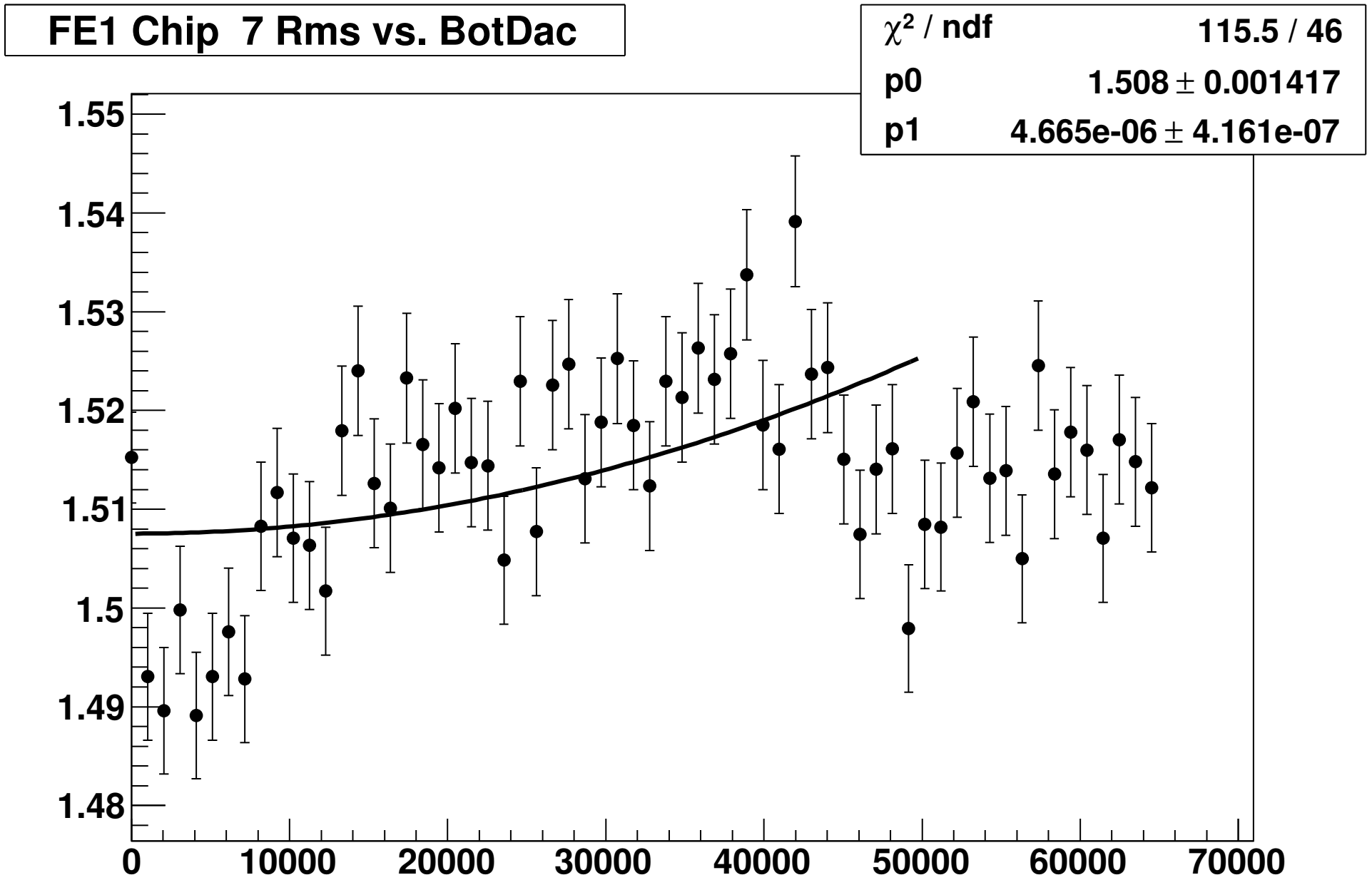
40000
50000
60000
70000

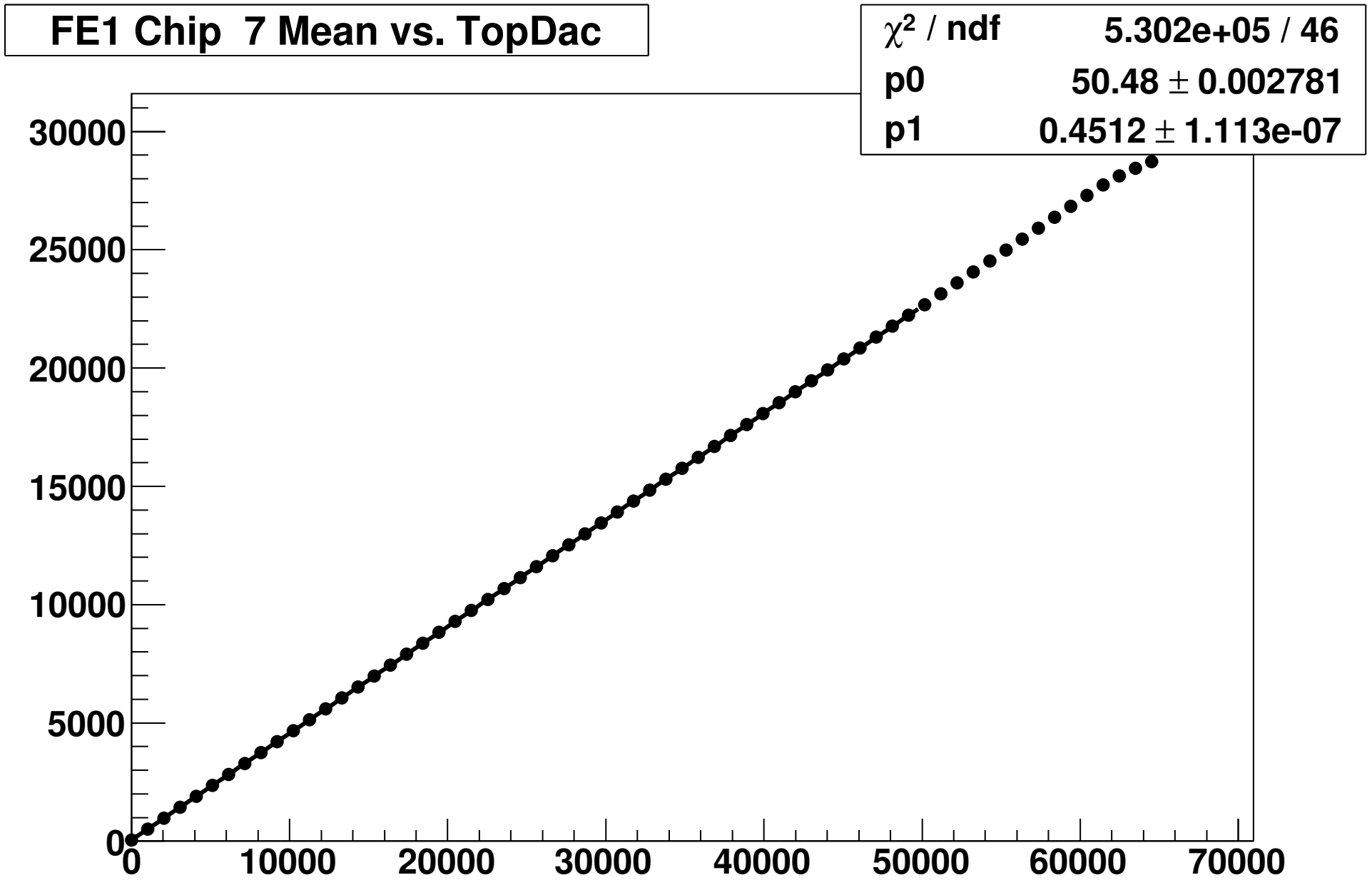

FE1 Chip 6 Rms vs. BotDac
χ² / ndf 92.14 / 46
p0 1.568 ± 0.001471
p1 4.348e-06 ± 4.819e-07
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000

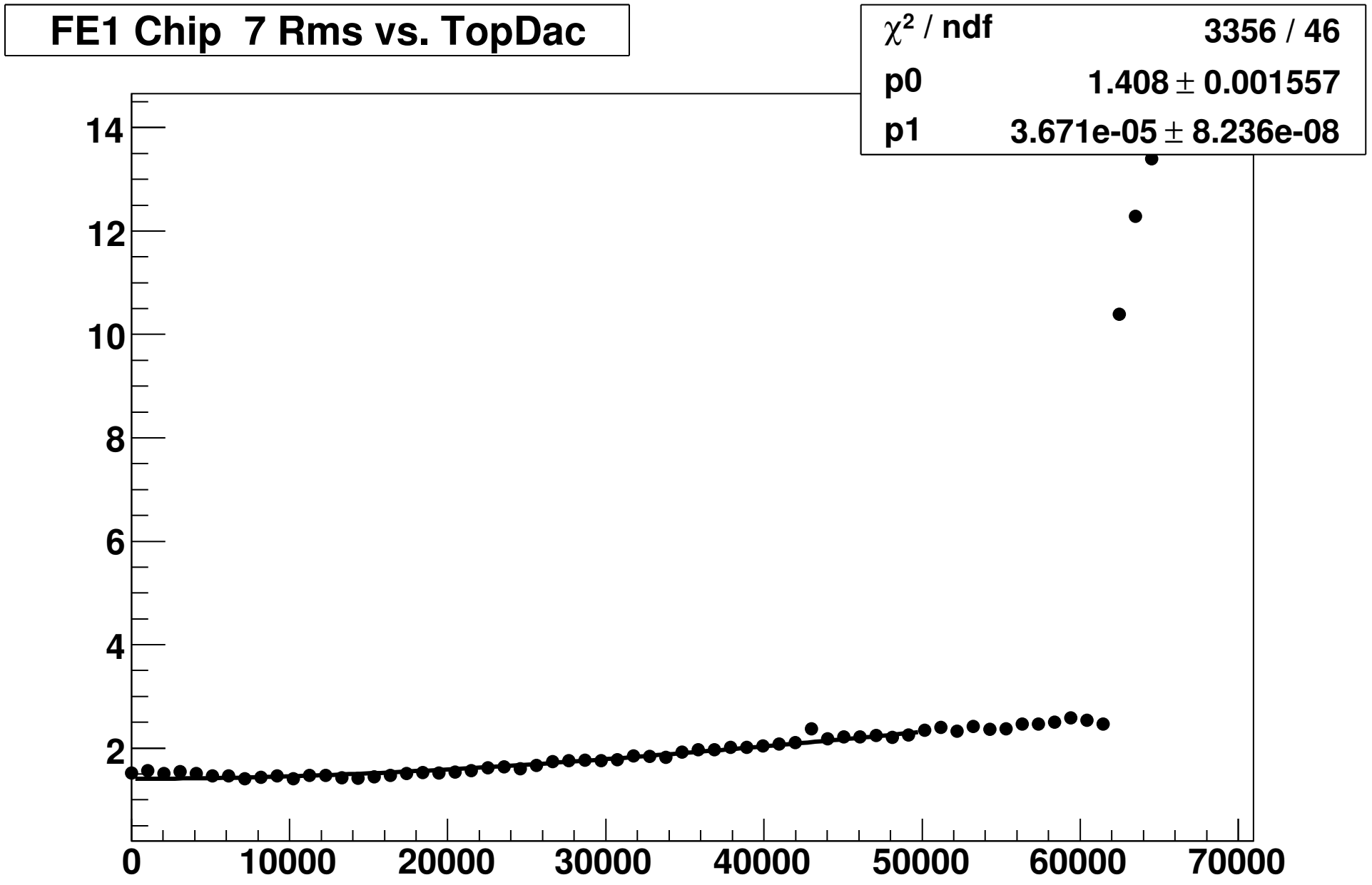

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 2.636e+05 / 46
p0 48.41 ± 0.002775
p1 0.4512 ± 1.109e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

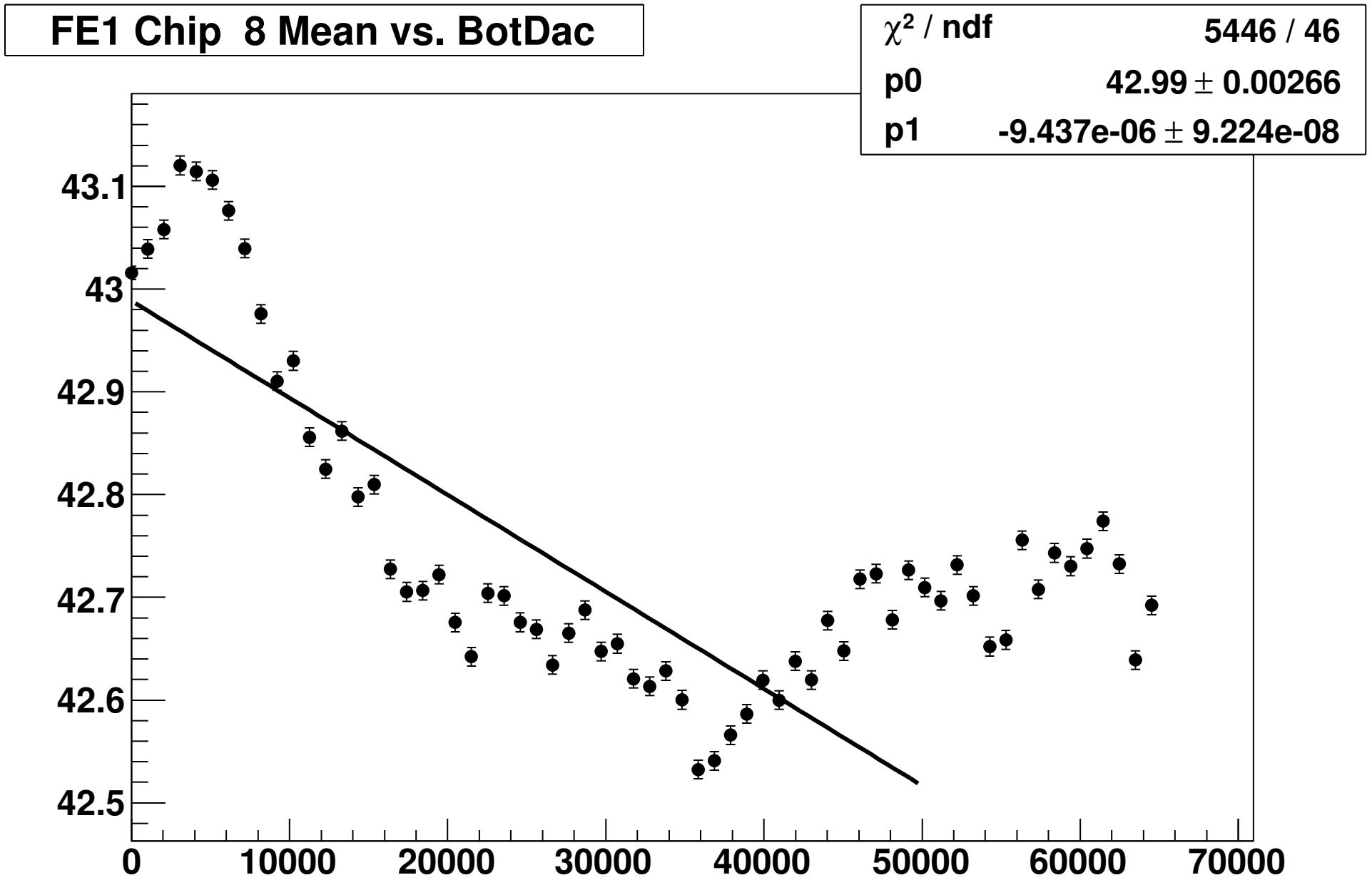

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 5305 / 46
p0 1.4 ± 0.001549
p1 3.636e-05 ± 8.194e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

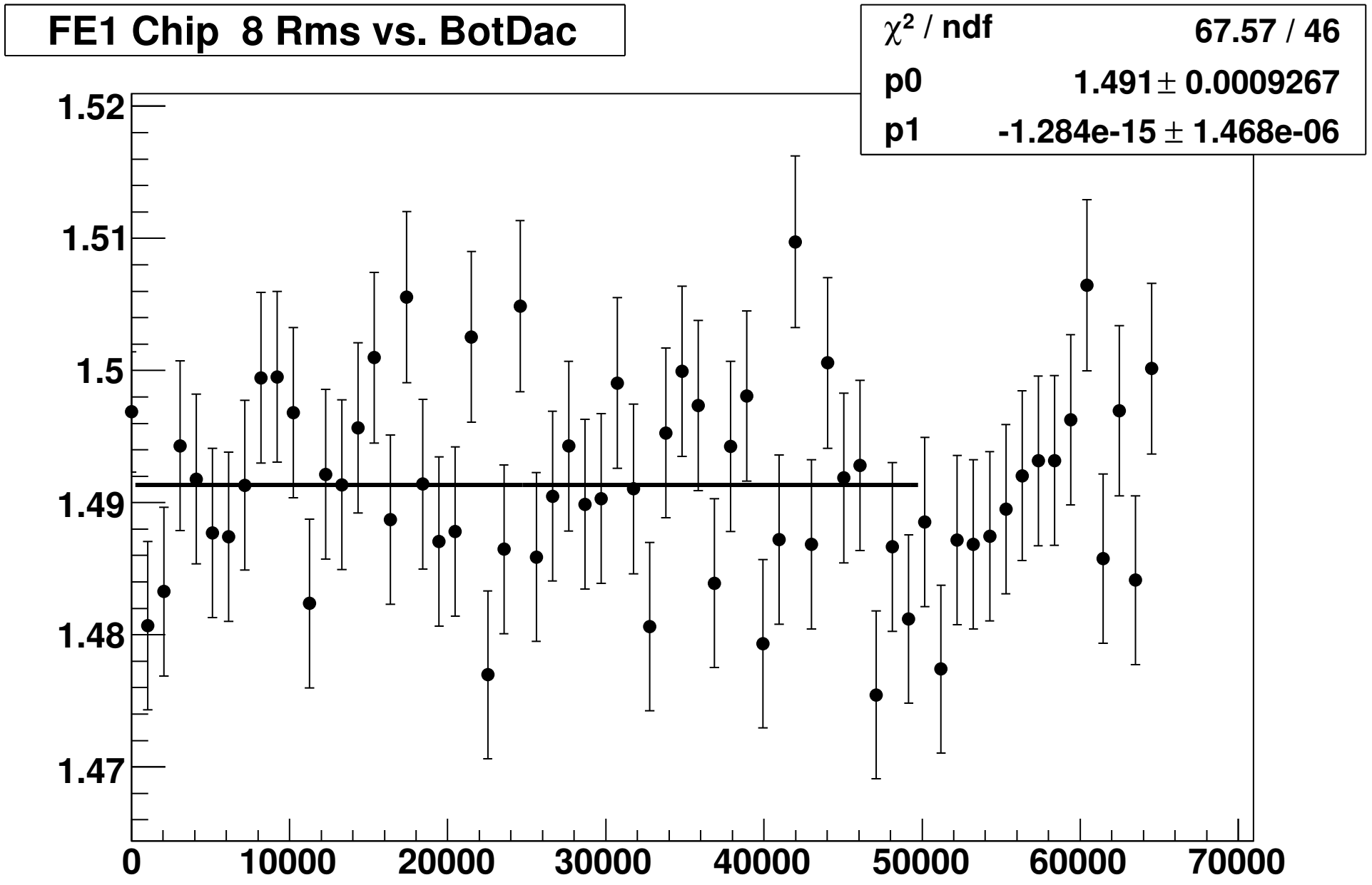

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1.751e+04 / 46
p0 51.97 ± 0.002683
p1 -1.642e-05 ± 9.34e-08
52.2
52
51.8
51.6
51.4
51.2
0
10000
20000
30000
40000
50000
60000
70000

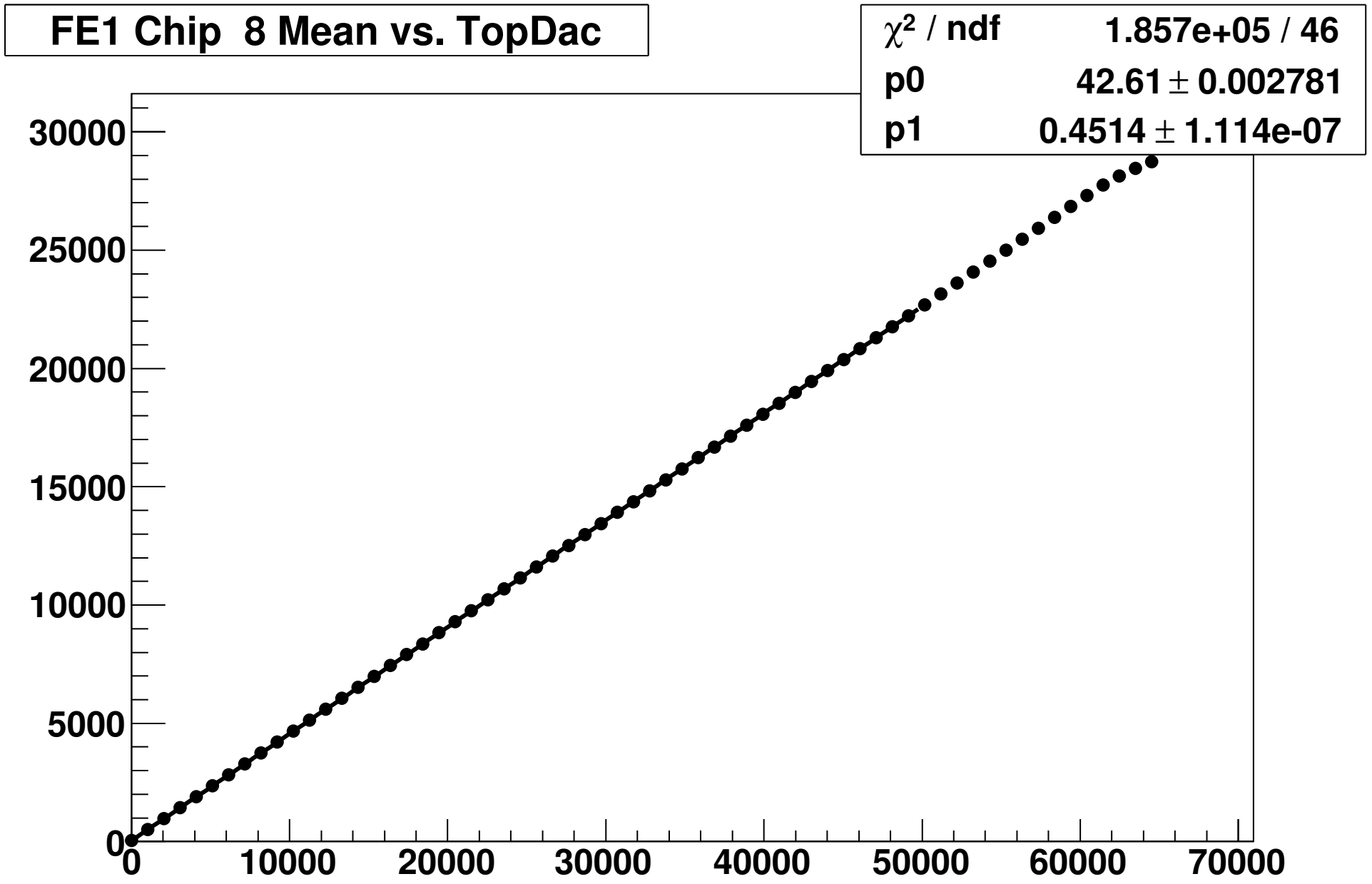

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 115.5 / 46
p0 1.508 ± 0.001417
p1 4.665e-06 ± 4.161e-07
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

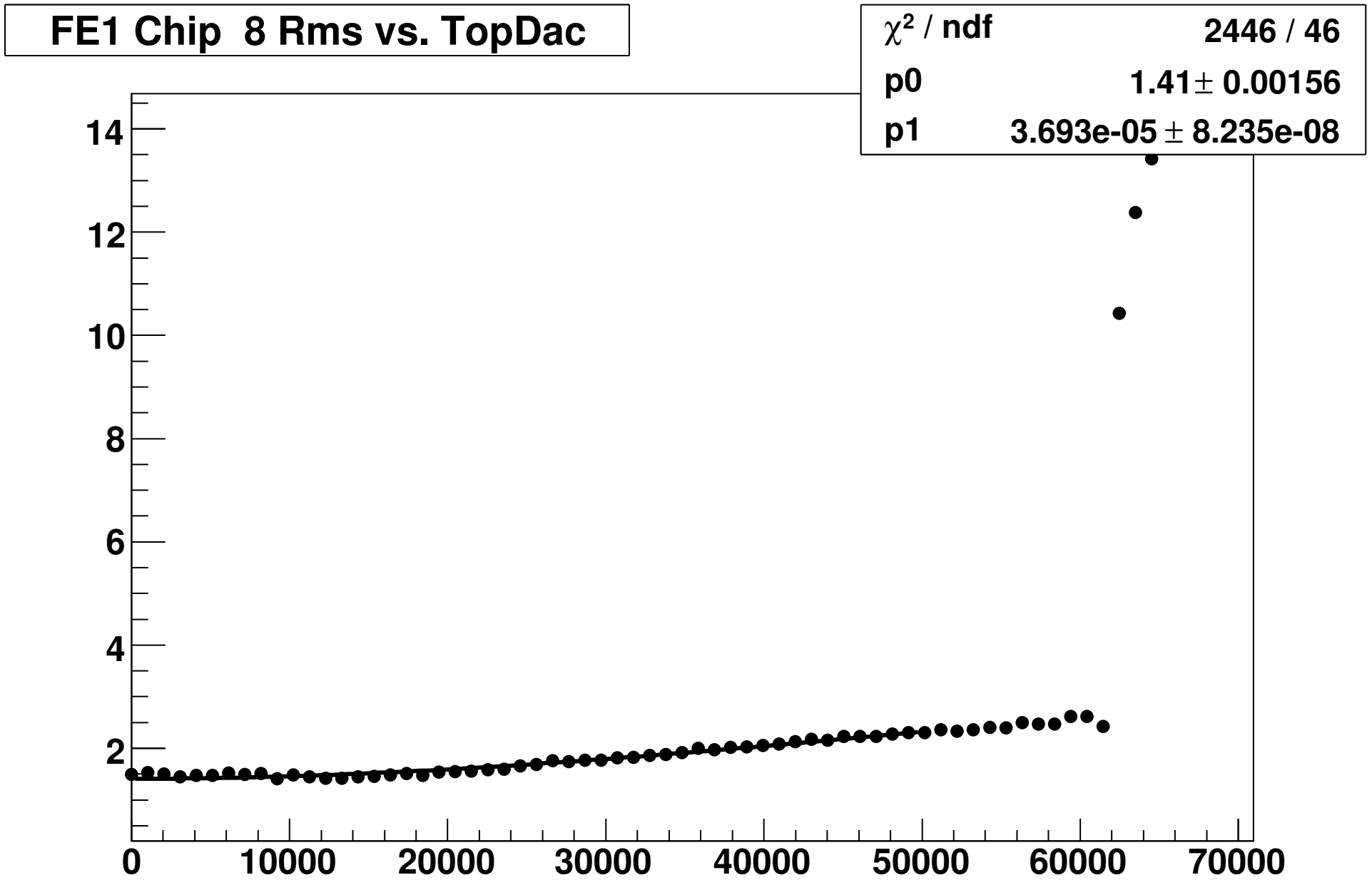

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 5.302e+05 / 46
p0 50.48 ± 0.002781
p1 0.4512 ± 1.113e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

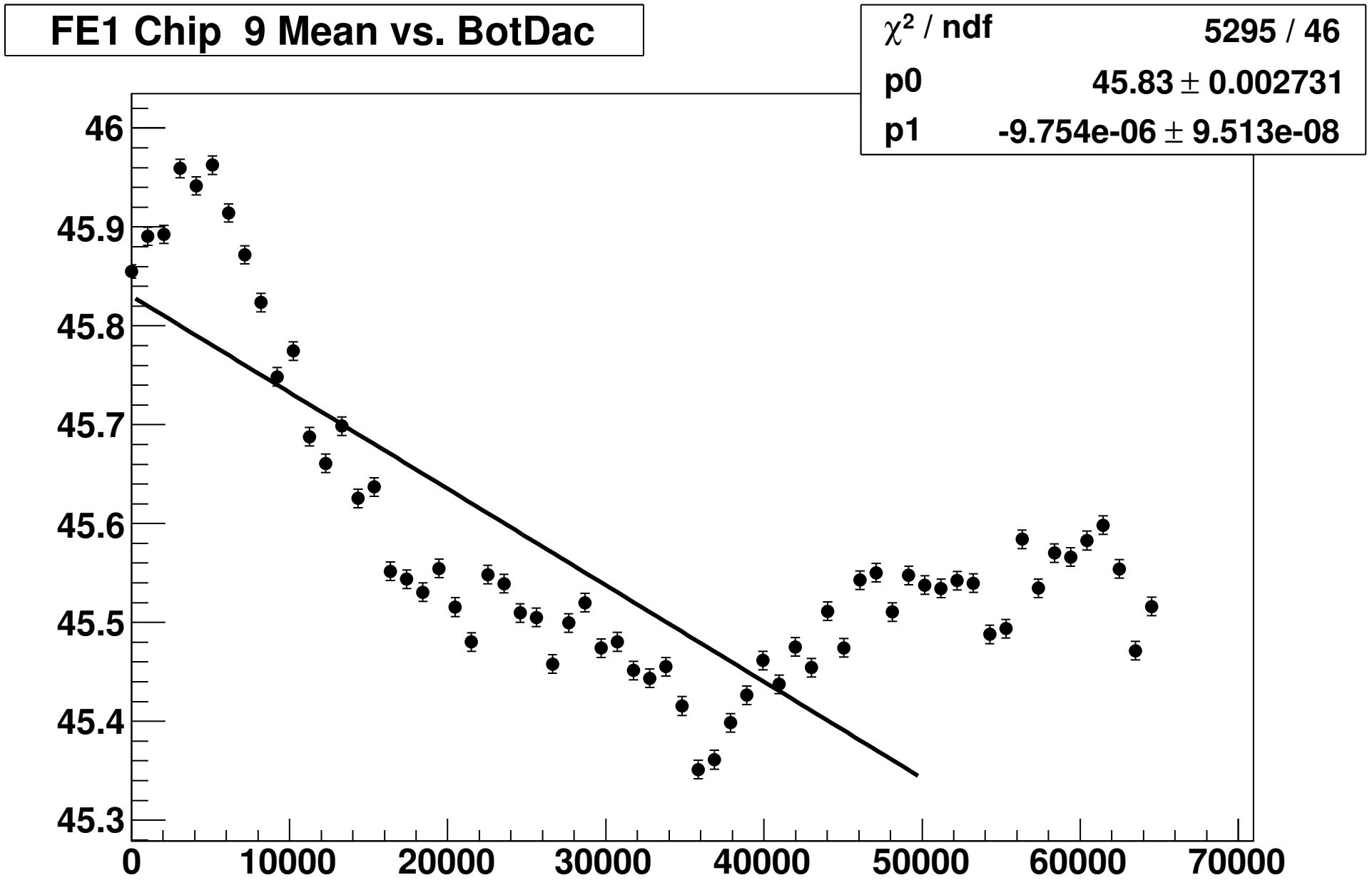

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 3356 / 46
p0 1.408 ± 0.001557
p1 3.671e-05 ± 8.236e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

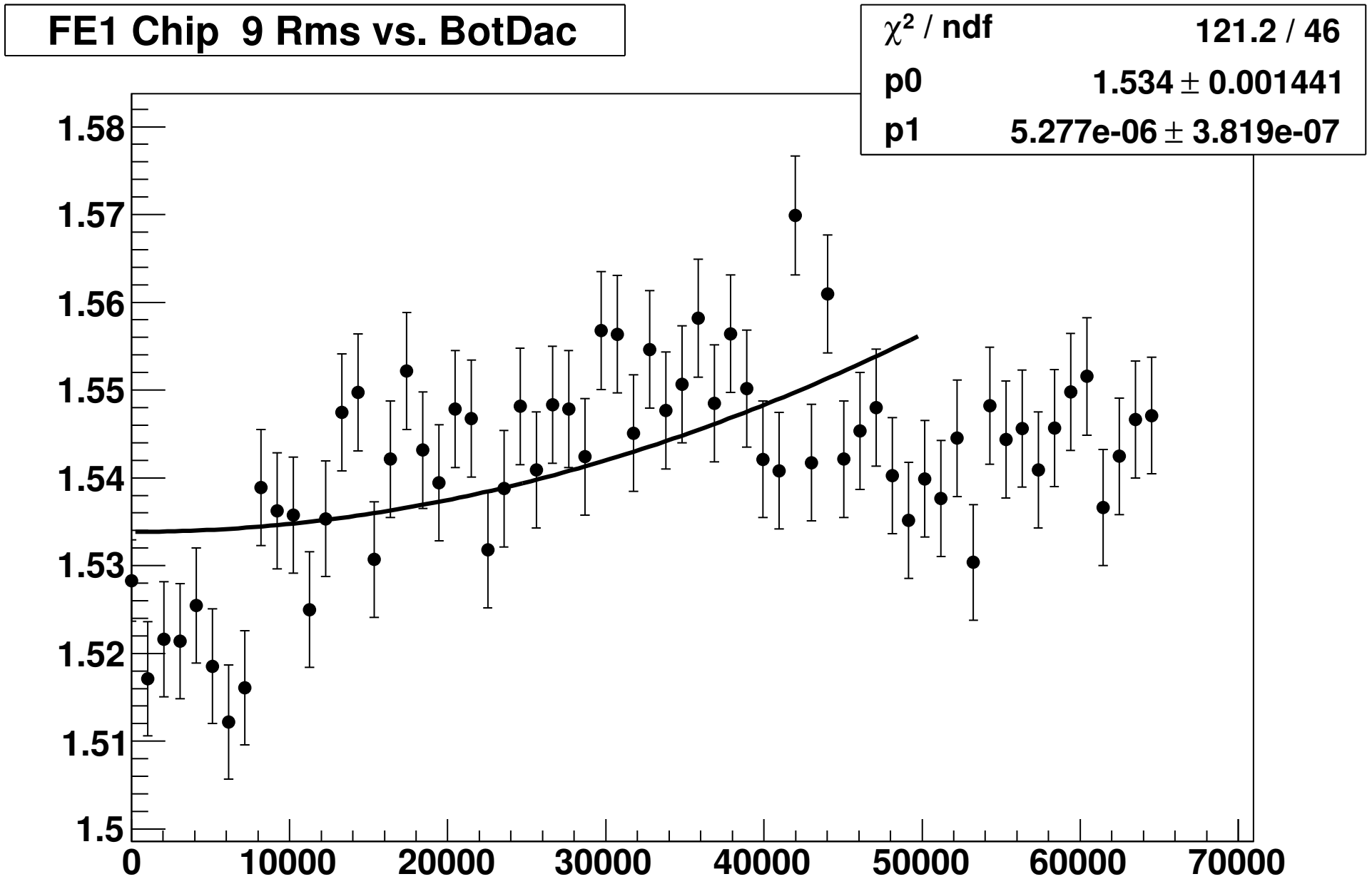

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 5446 / 46
p0 42.99 ± 0.00266
p1 -9.437e-06 ± 9.224e-08
43.1
43
42.9
42.8
42.7
42.6
42.5
0
10000
20000
30000
40000
50000
60000
70000

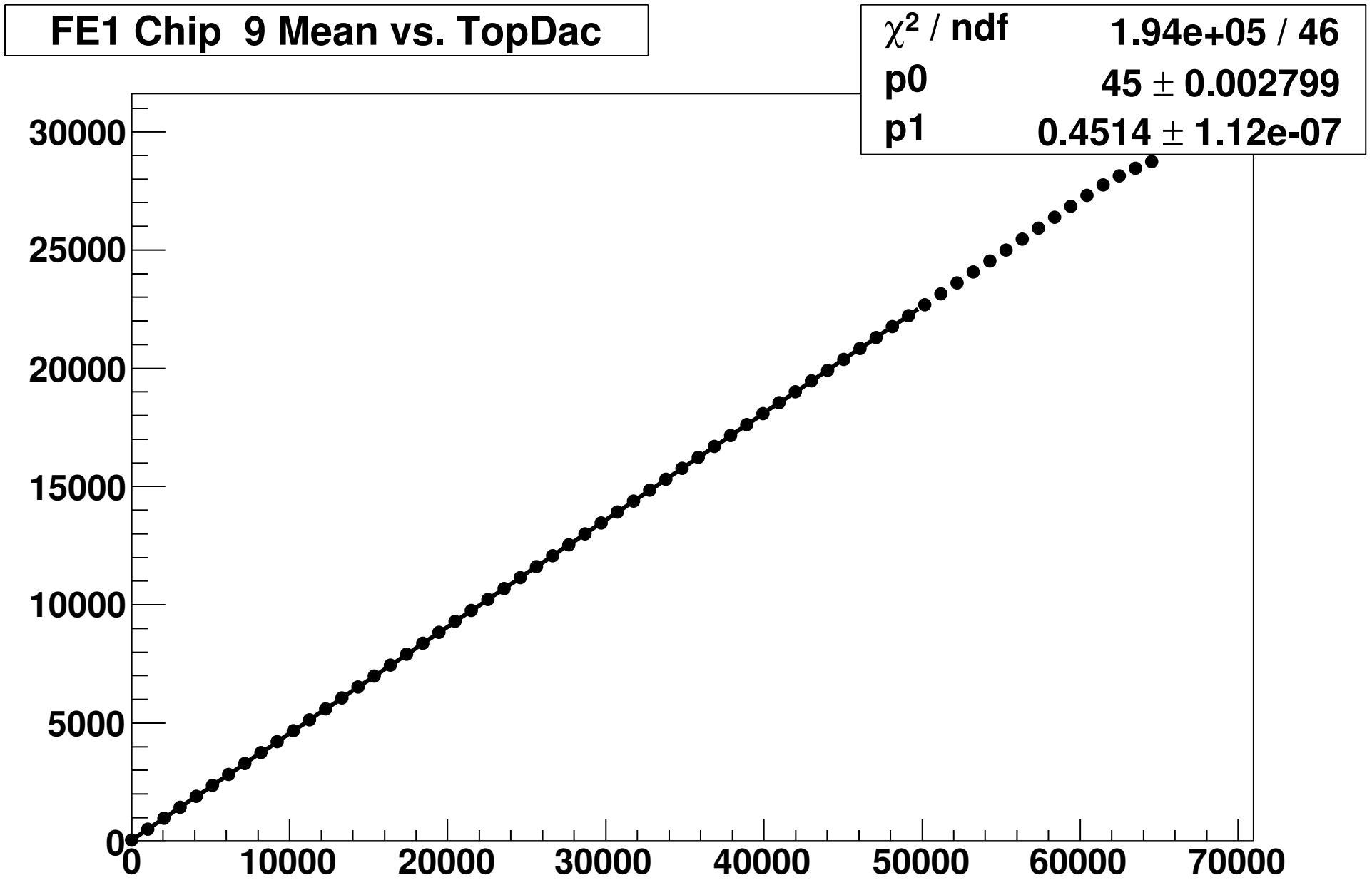

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 67.57 / 46
p0 1.491 ± 0.0009267
p1 -1.284e-15 ± 1.468e-06
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

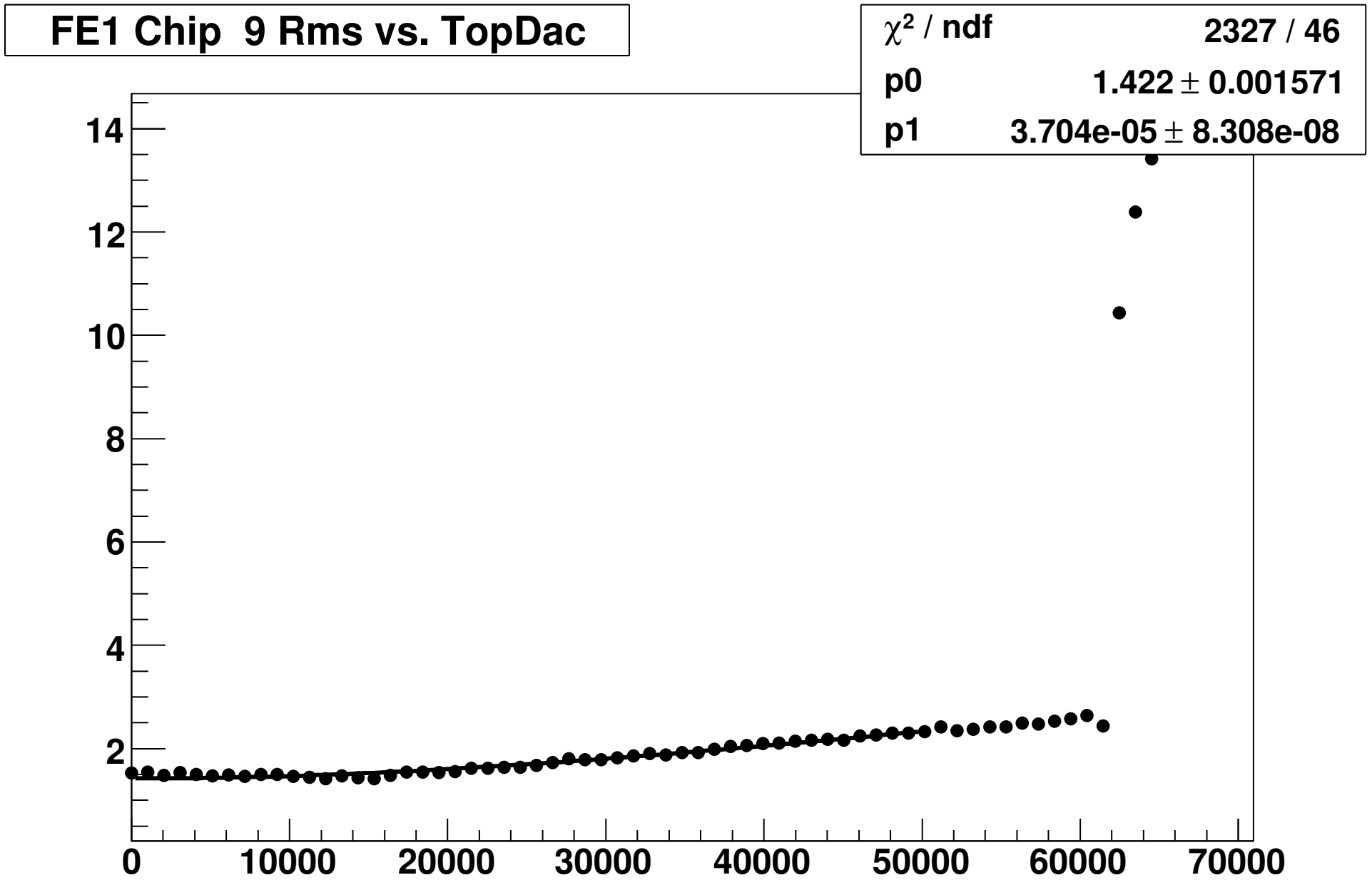

FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.857e+05 / 46
p0 42.61 ± 0.002781
p1 0.4514 ± 1.114e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

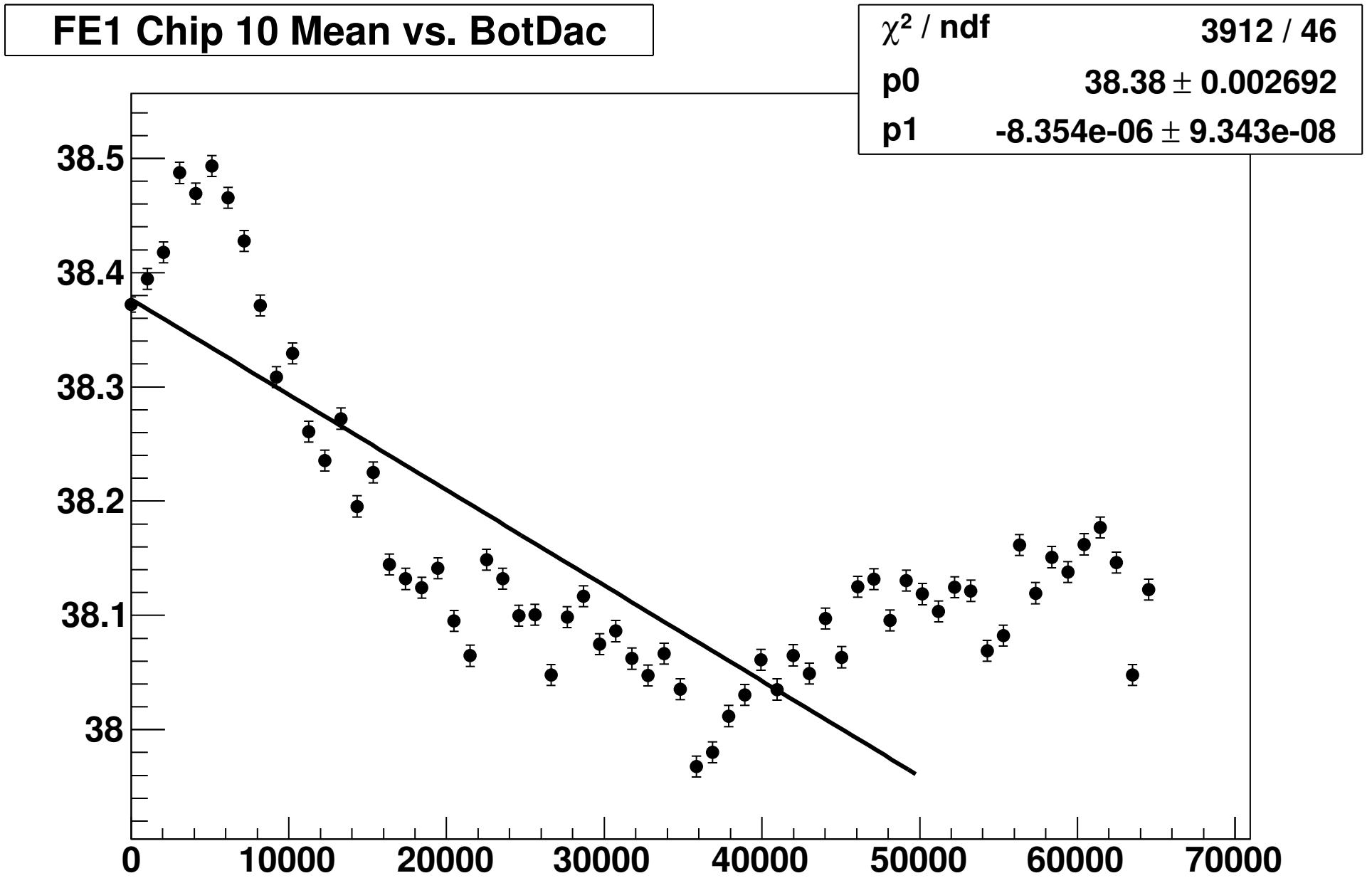

FE1 Chip 8 Rms vs. TopDac
χ² / ndf 2446 / 46
p0 1.41 ± 0.00156
p1 3.693e-05 ± 8.235e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

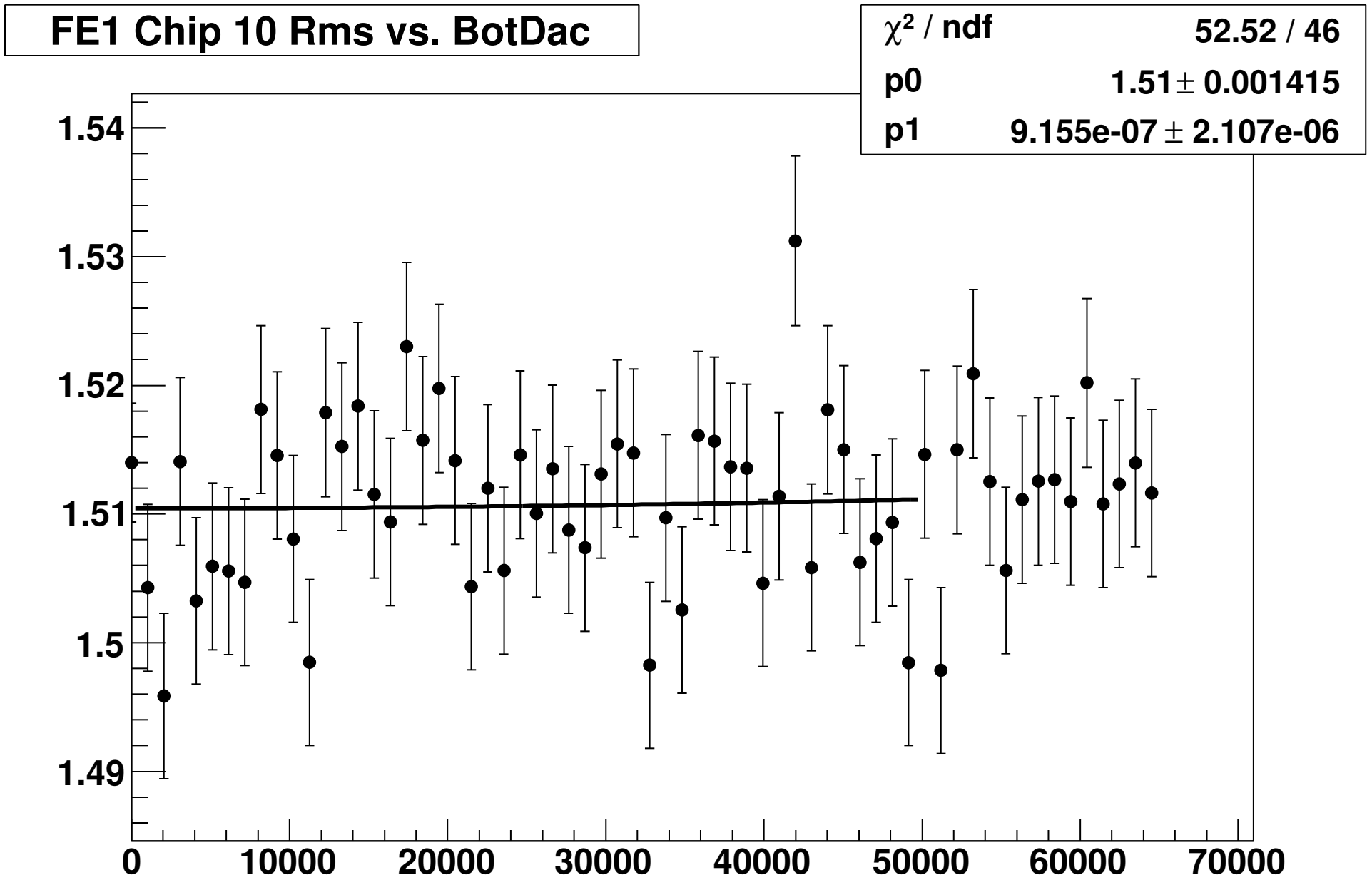

FE1 Chip 9 Mean vs. BotDac
χ² / ndf 5295 / 46
p0 45.83 ± 0.002731
p1 -9.754e-06 ± 9.513e-08
46
45.9
45.8
45.7
45.6
45.5
45.4
45.3
0
10000
20000
30000
40000
50000
60000
70000

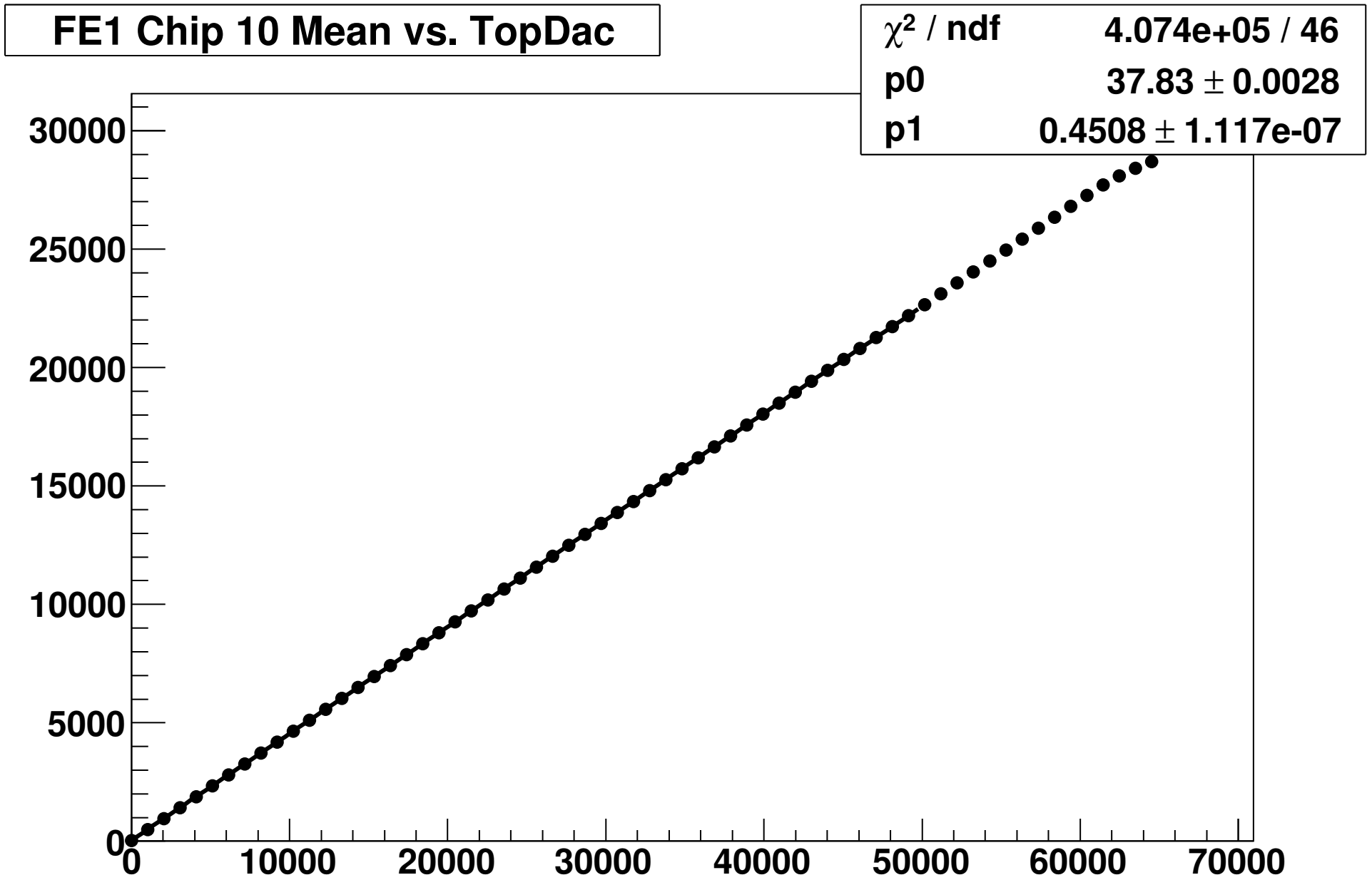

FE1 Chip 9 Rms vs. BotDac
χ² / ndf 121.2 / 46
p0 1.534 ± 0.001441
p1 5.277e-06 ± 3.819e-07
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000

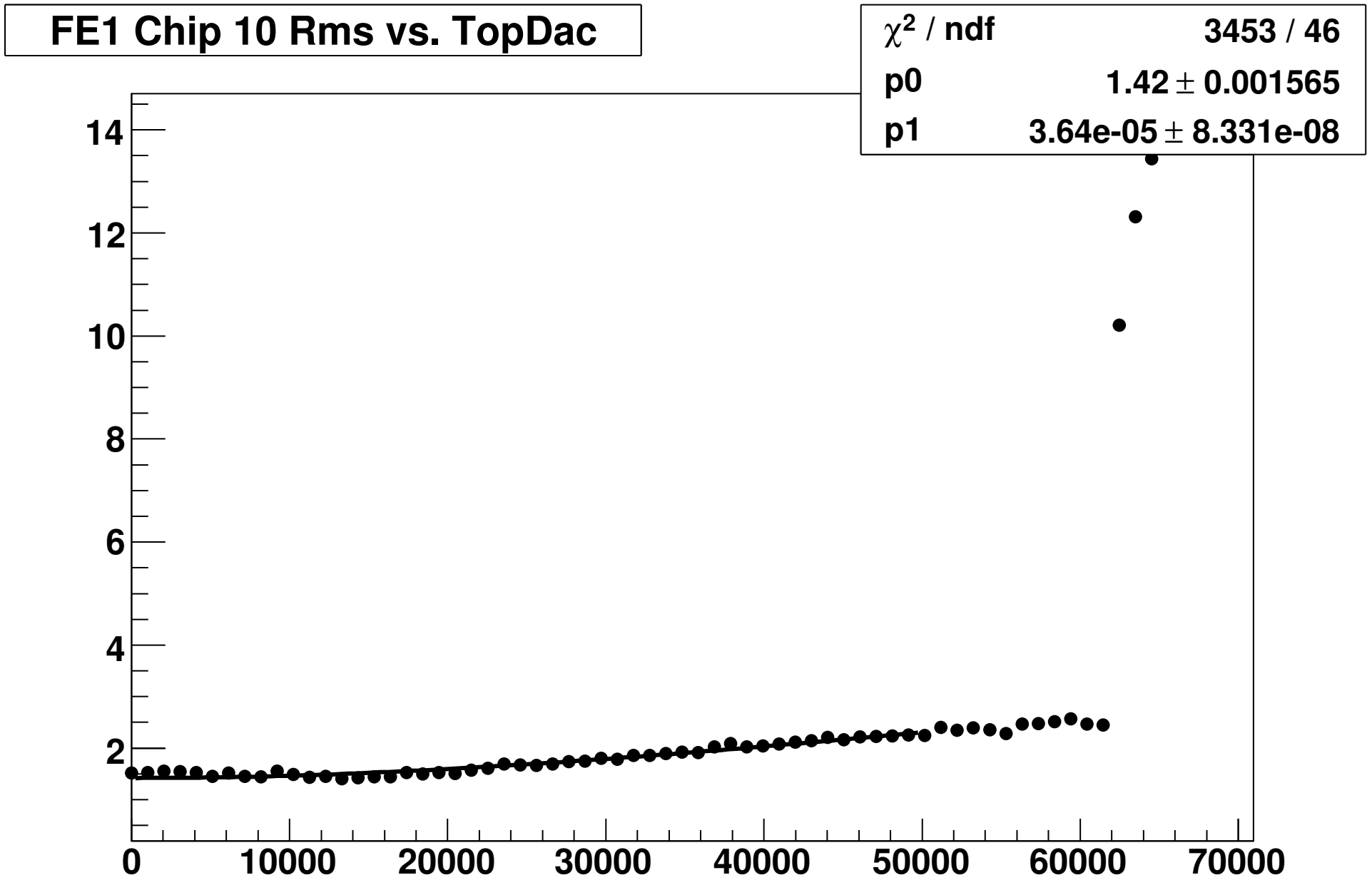

FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.94e+05 / 46
p0 45 ± 0.002799
p1 0.4514 ± 1.12e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

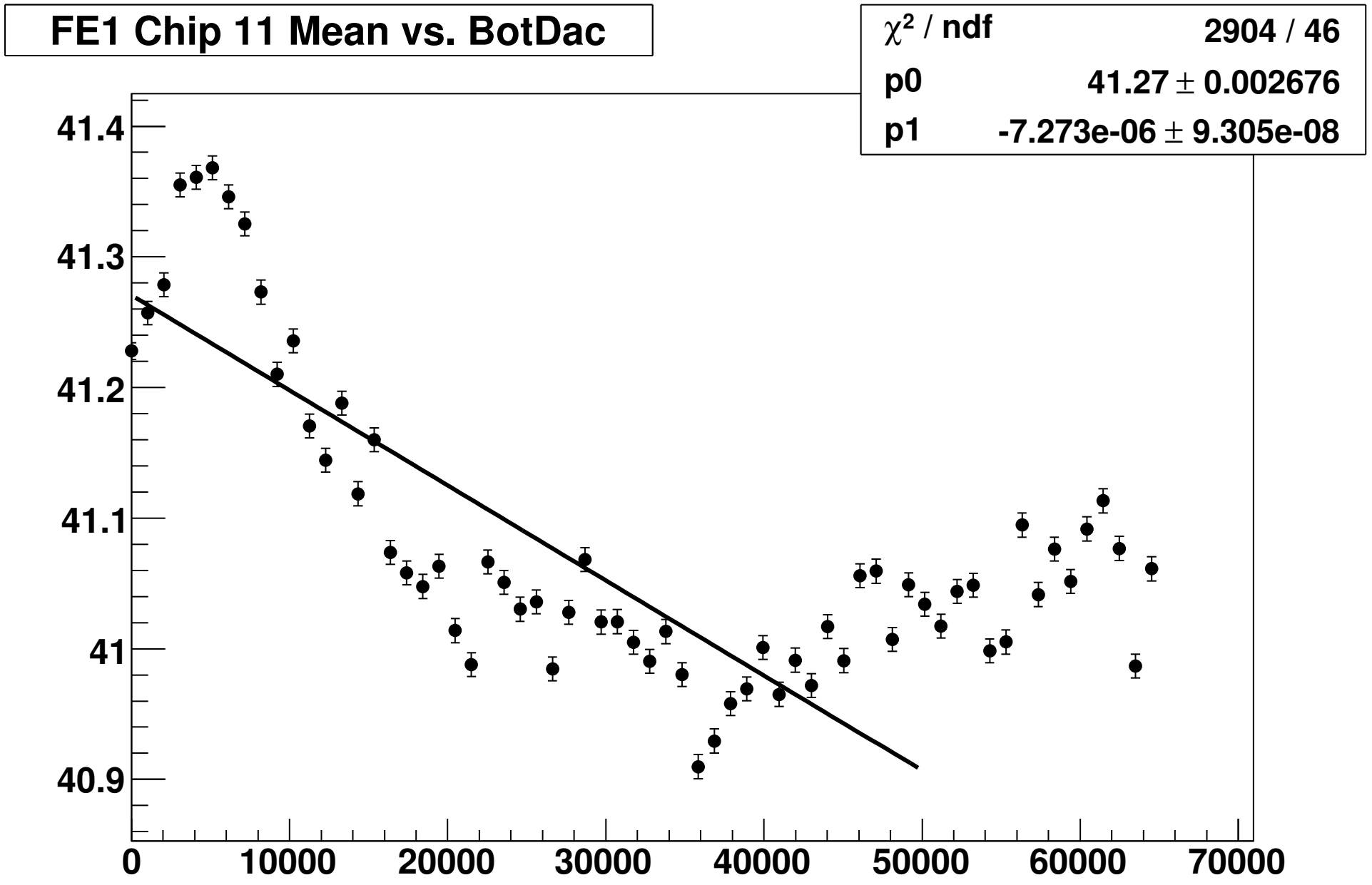

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 2327 / 46
p0 1.422 ± 0.001571
p1 3.704e-05 ± 8.308e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

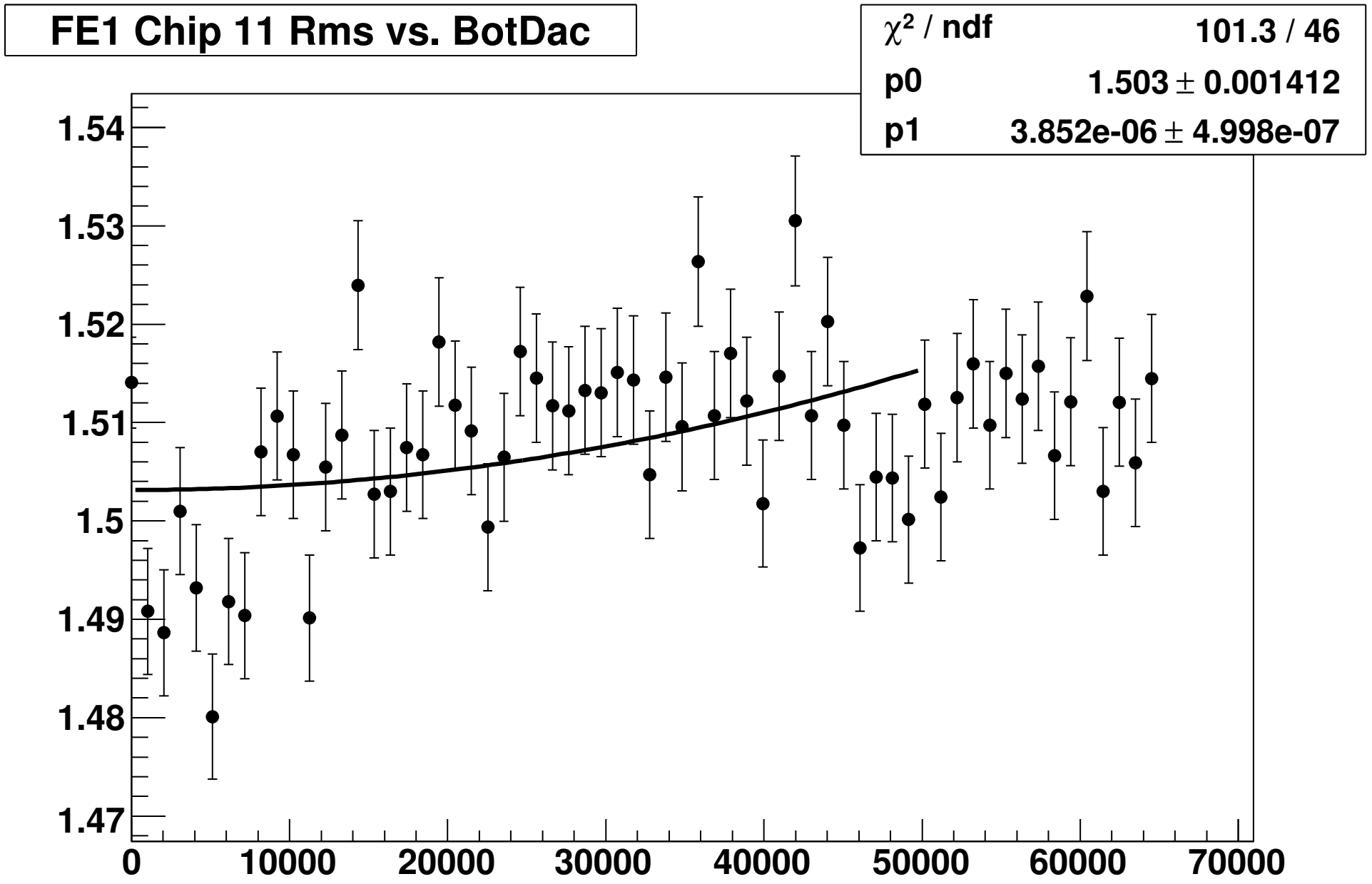

FE1 Chip 10 Mean vs. BotDac
χ² / ndf 3912 / 46
p0 38.38 ± 0.002692
p1 -8.354e-06 ± 9.343e-08
38.5
38.4
38.3
38.2
38.1
38
0
10000
20000
30000
40000
50000
60000
70000

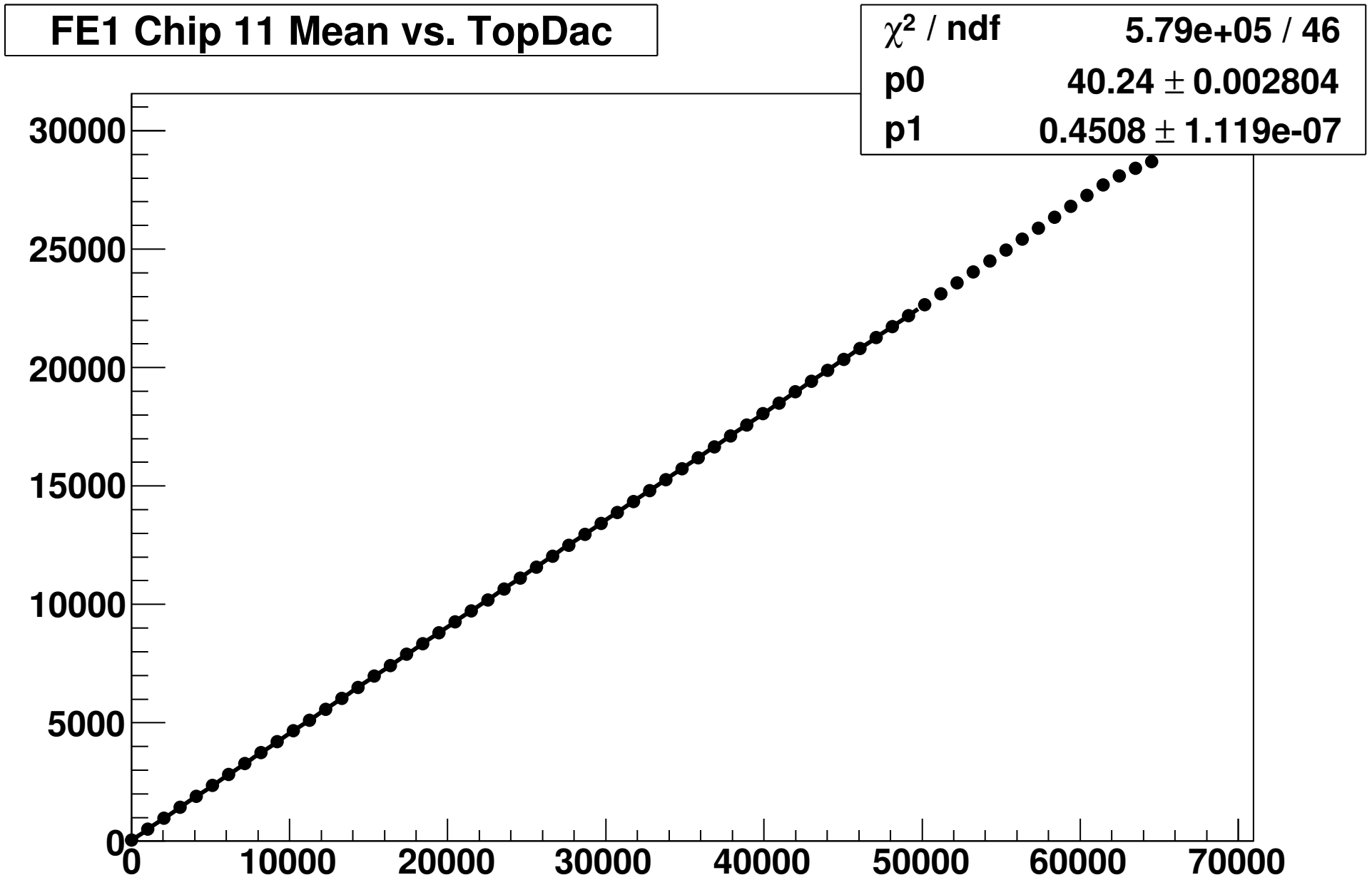

FE1 Chip 10 Rms vs. BotDac
χ² / ndf 52.52 / 46
p0 1.51 ± 0.001415
p1 9.155e-07 ± 2.107e-06
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000

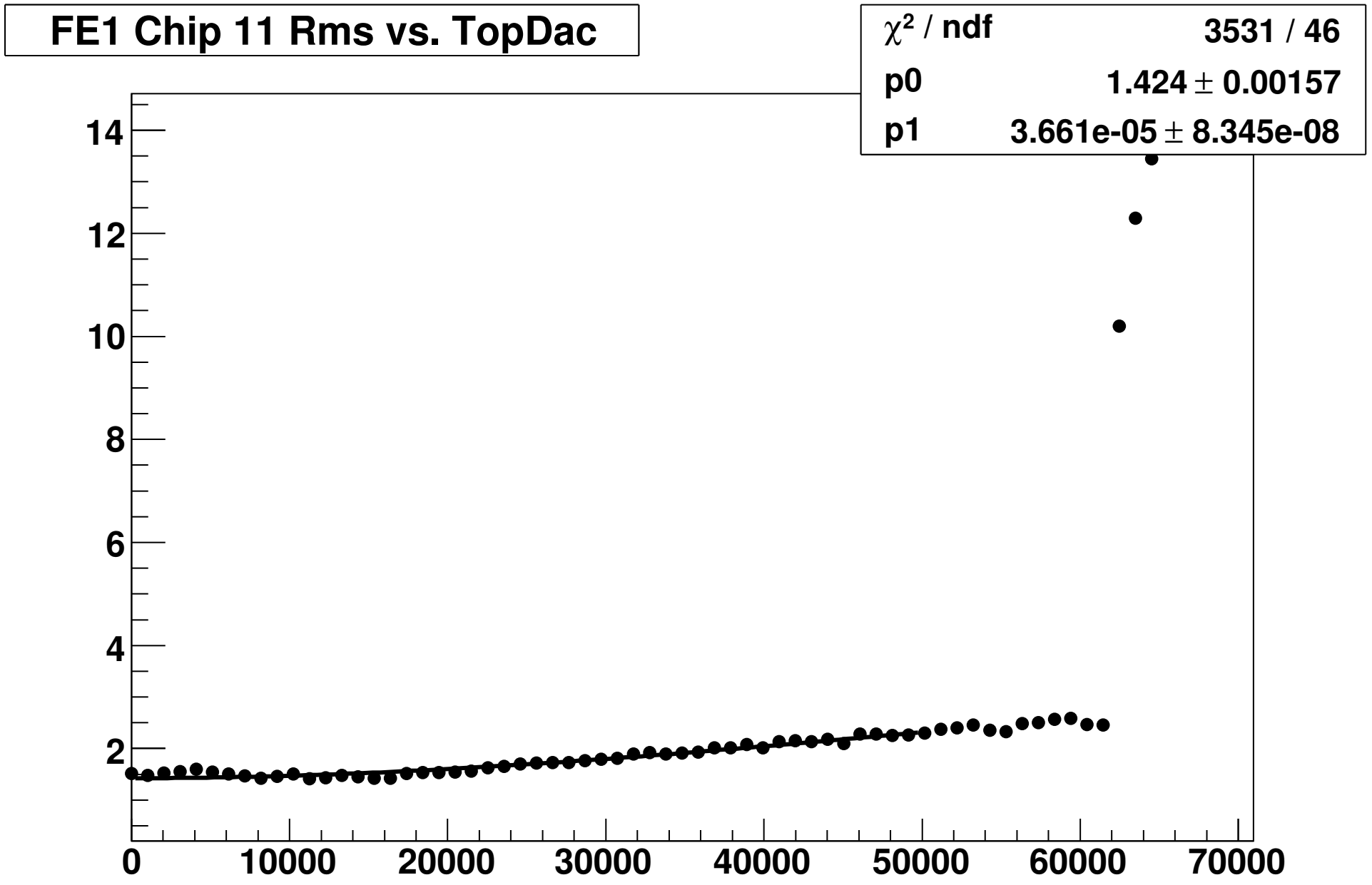

FE1 Chip 10 Mean vs. TopDac
χ² / ndf 4.074e+05 / 46
p0 37.83 ± 0.0028
p1 0.4508 ± 1.117e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

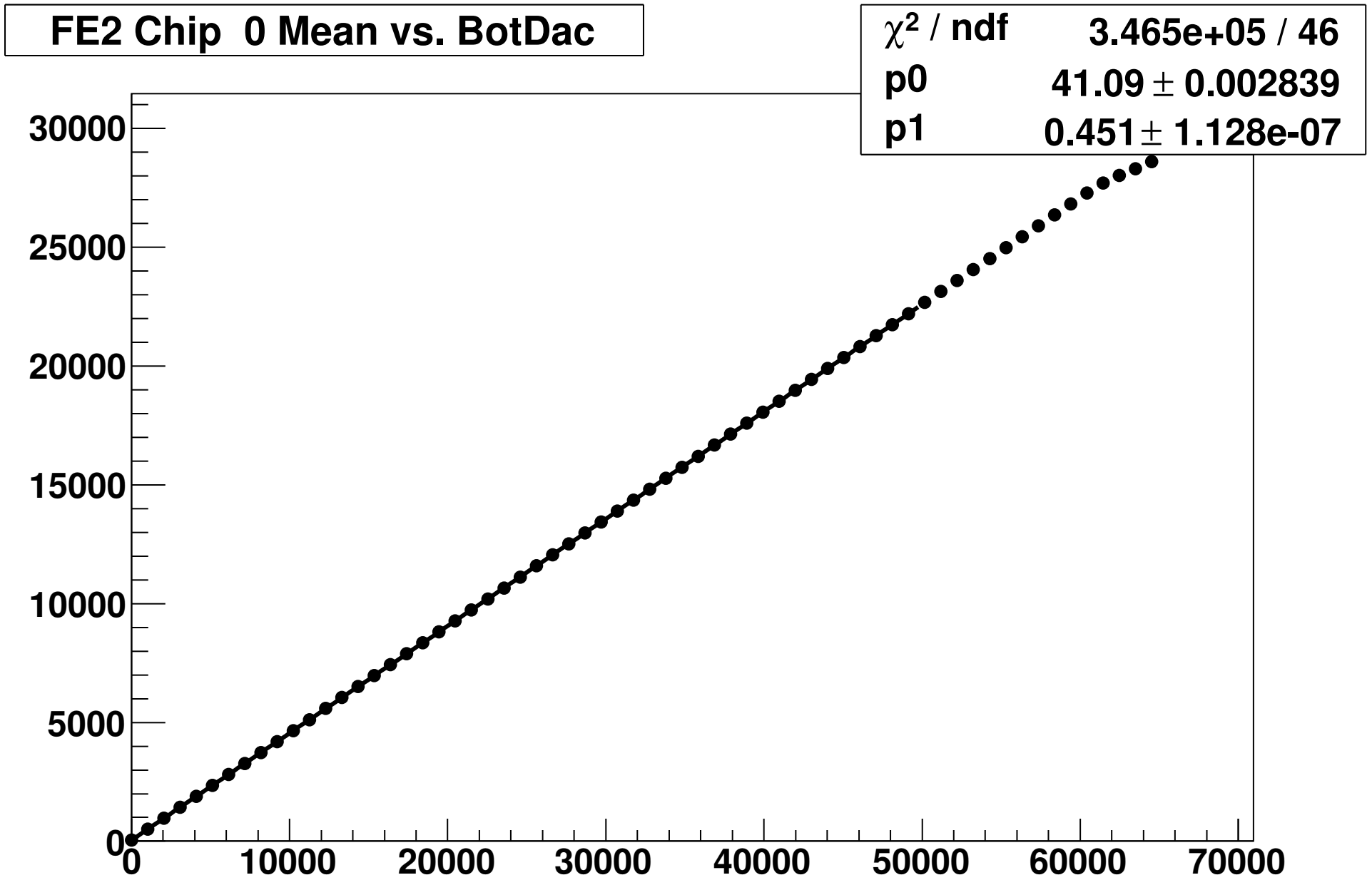

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 3453 / 46
p0 1.42 ± 0.001565
p1 3.64e-05 ± 8.331e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

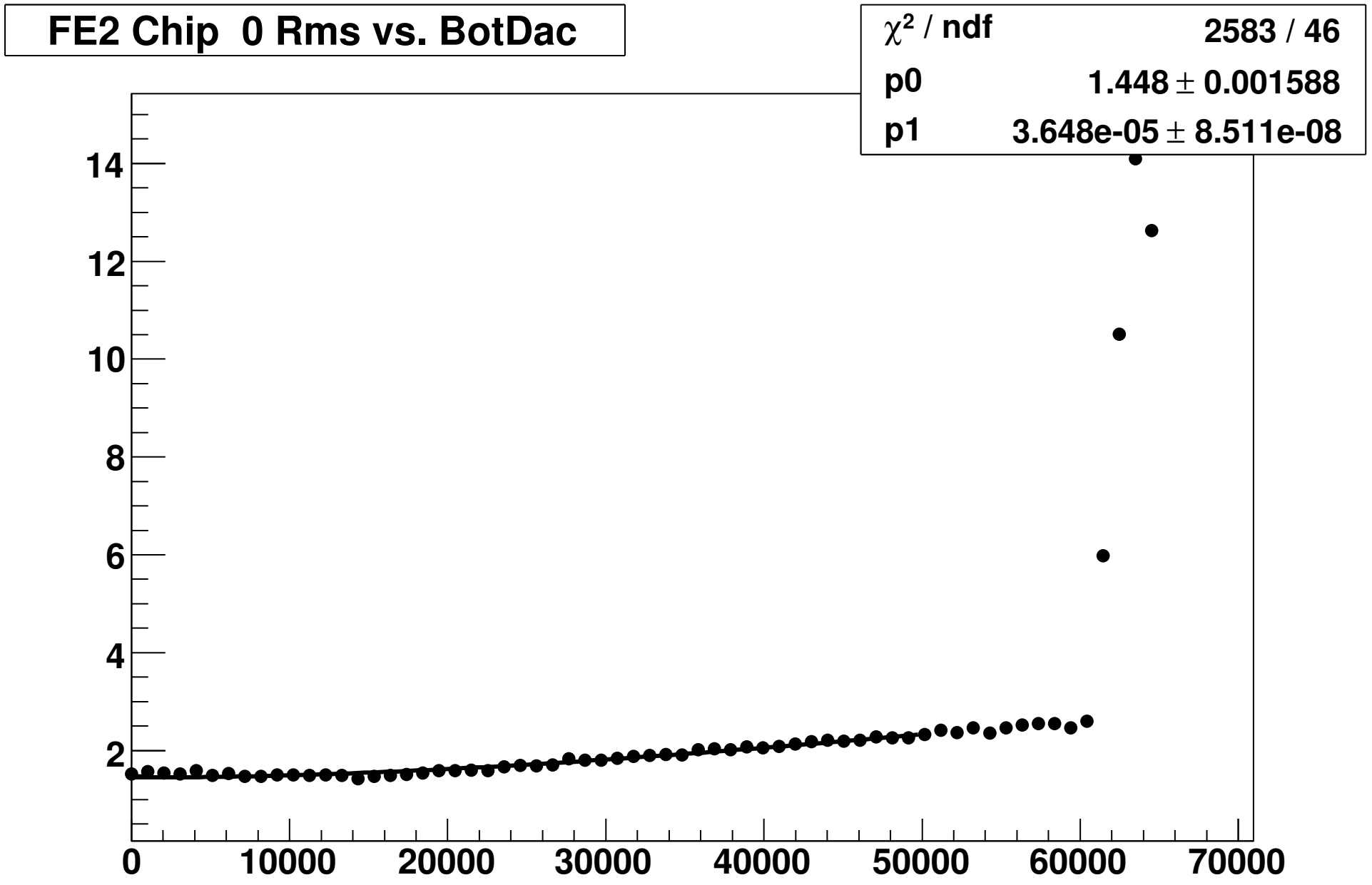

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 2904 / 46
p0 41.27 ± 0.002676
p1 -7.273e-06 ± 9.305e-08
41.4
41.3
41.2
41.1
41
40.9
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 101.3 / 46
p0 1.503 ± 0.001412
p1 3.852e-06 ± 4.998e-07
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 5.79e+05 / 46
p0 40.24 ± 0.002804
p1 0.4508 ± 1.119e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 3531 / 46
p0 1.424 ± 0.00157
p1 3.661e-05 ± 8.345e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 3.465e+05 / 46
p0 41.09 ± 0.002839
p1 0.451 ± 1.128e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 2583 / 46
p0 1.448 ± 0.001588
p1 3.648e-05 ± 8.511e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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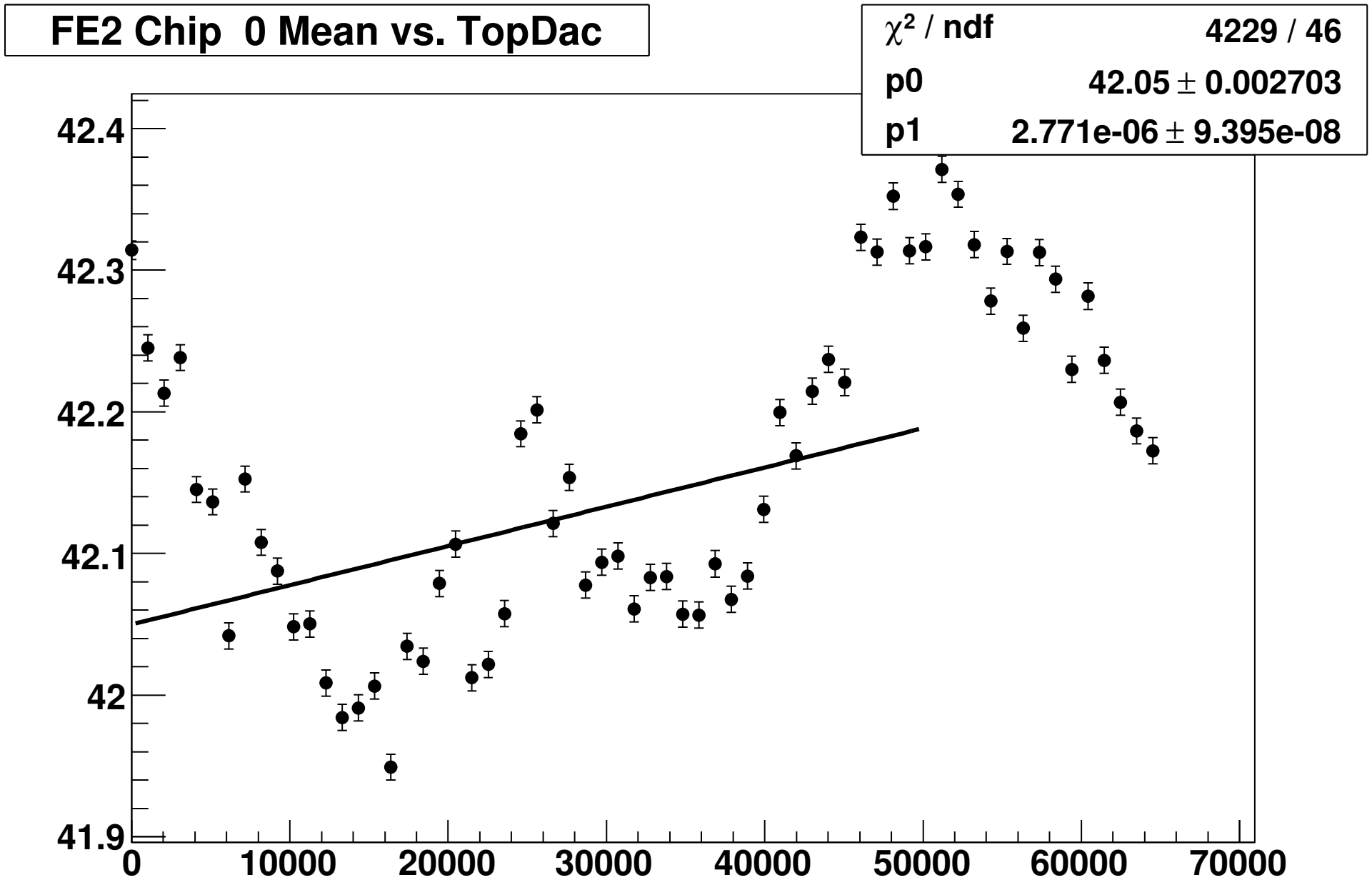
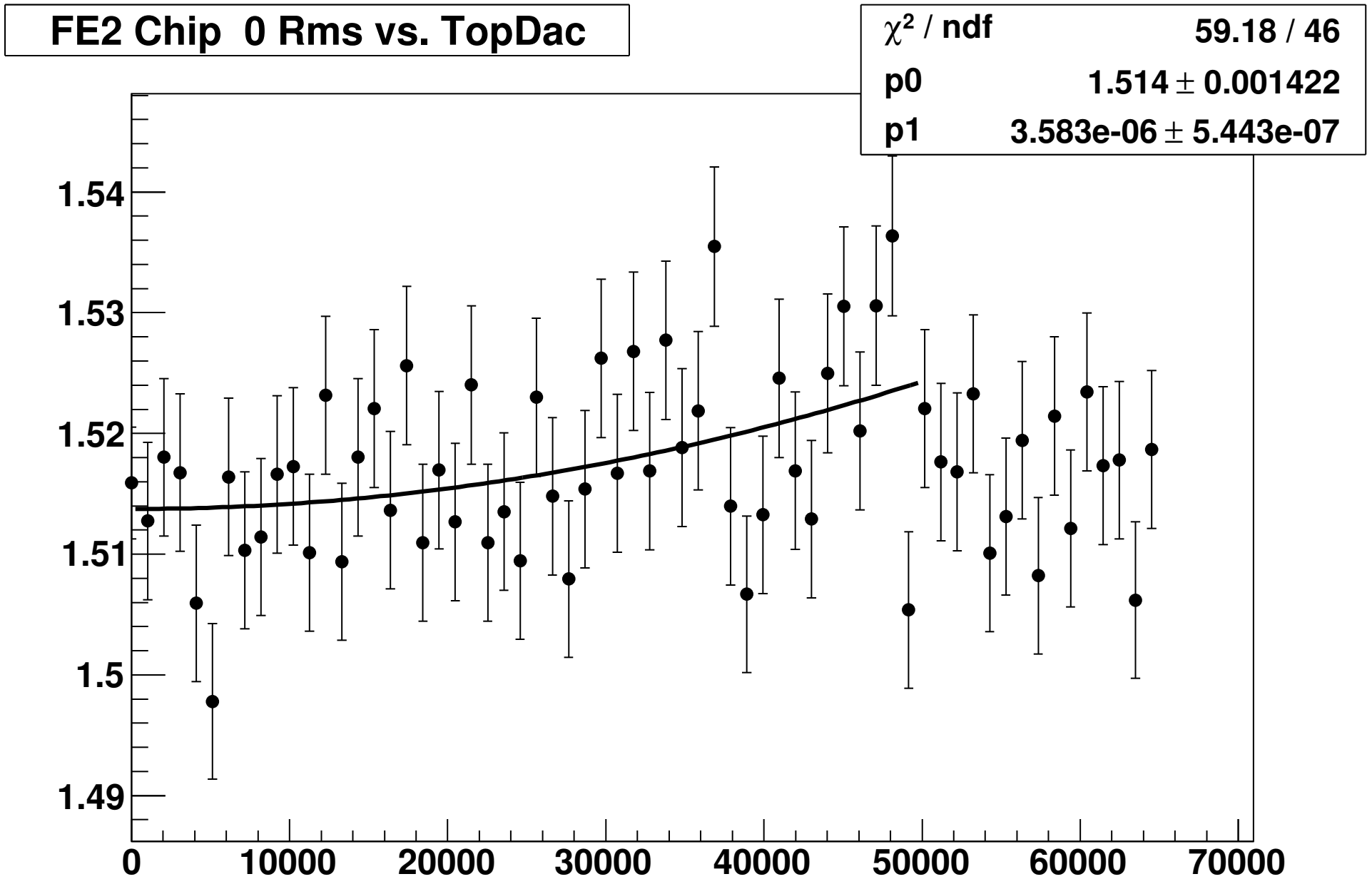

FE2 Chip 0 Mean vs. TopDac
χ² / ndf 4229 / 46
p0 42.05 ± 0.002703
p1 2.771e-06 ± 9.395e-08
42.4
42.3
42.2
42.1
42
41.9
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 59.18 / 46
p0 1.514 ± 0.001422
p1 3.583e-06 ± 5.443e-07
1.54
1.53
1.52
1.51
1.5
1.49
0
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20000
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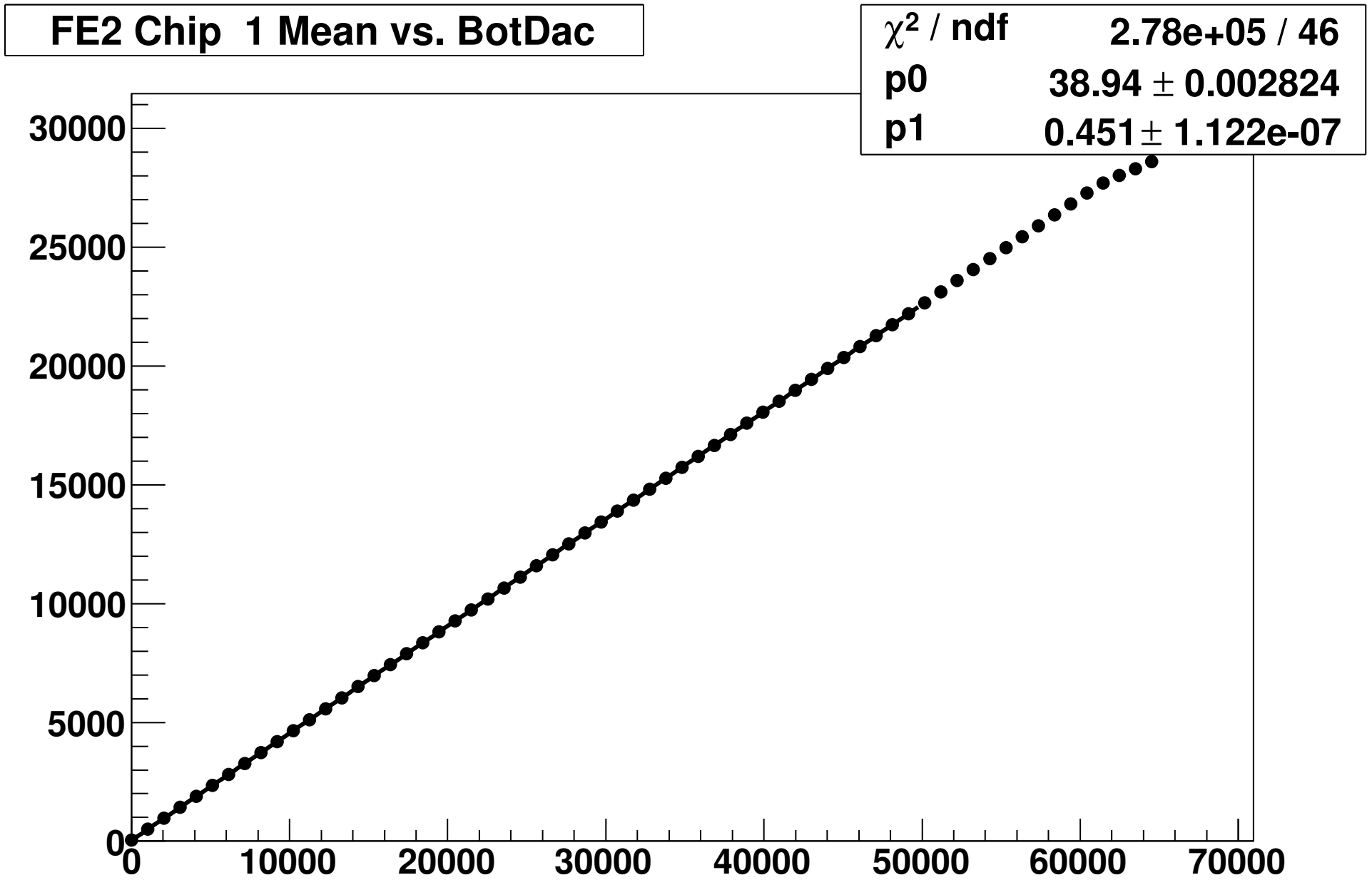
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 2.78e+05 / 46
p0 38.94 ± 0.002824
p1 0.451 ± 1.122e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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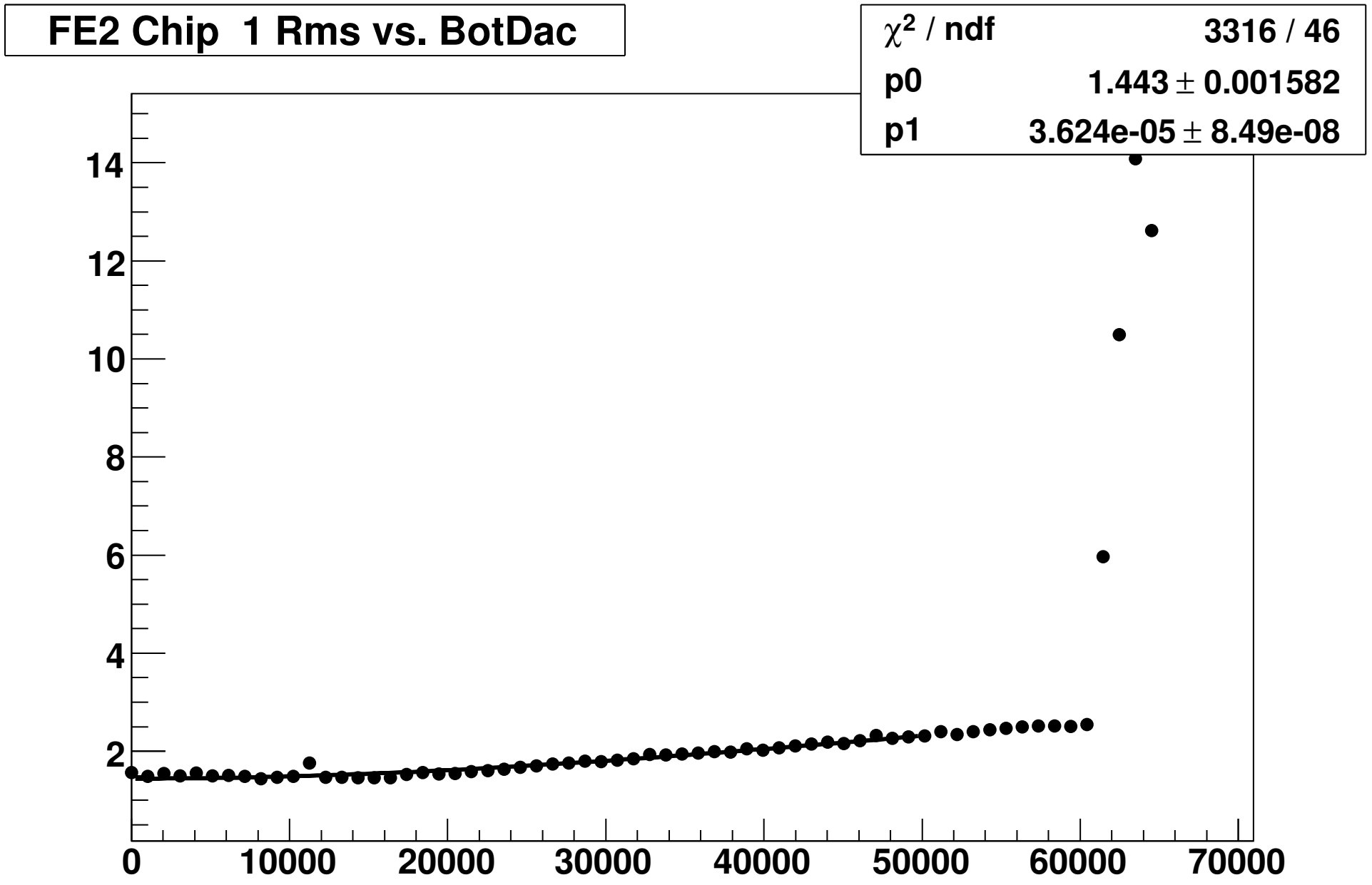
60000
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 3316 / 46
p0 1.443 ± 0.001582
p1 3.624e-05 ± 8.49e-08
14
12
10
8
6
4
2
0
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20000
30000
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60000
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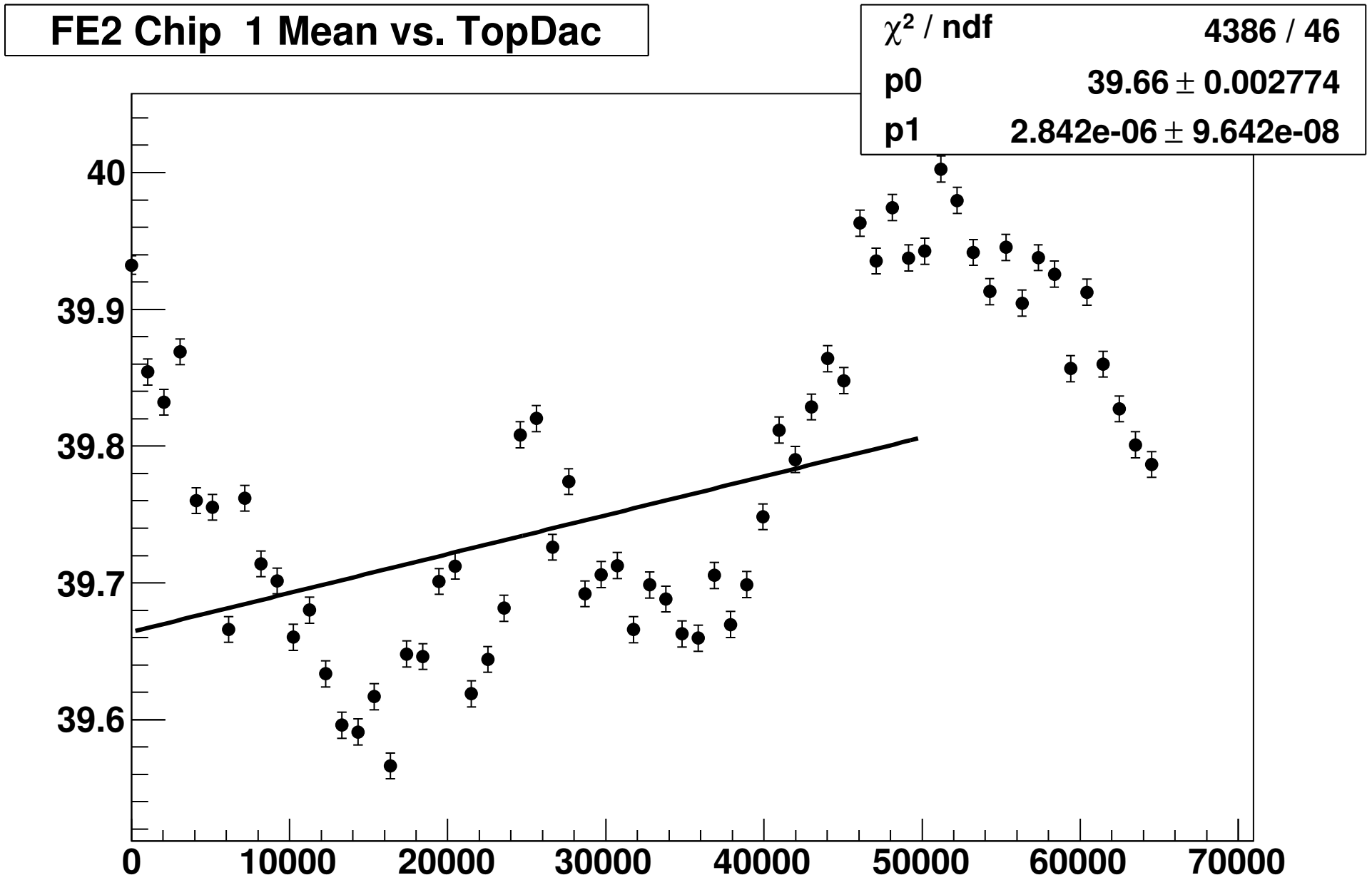
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 4386 / 46
p0 39.66 ± 0.002774
p1 2.842e-06 ± 9.642e-08
40
39.9
39.8
39.7
39.6
0
10000
20000
30000
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60000
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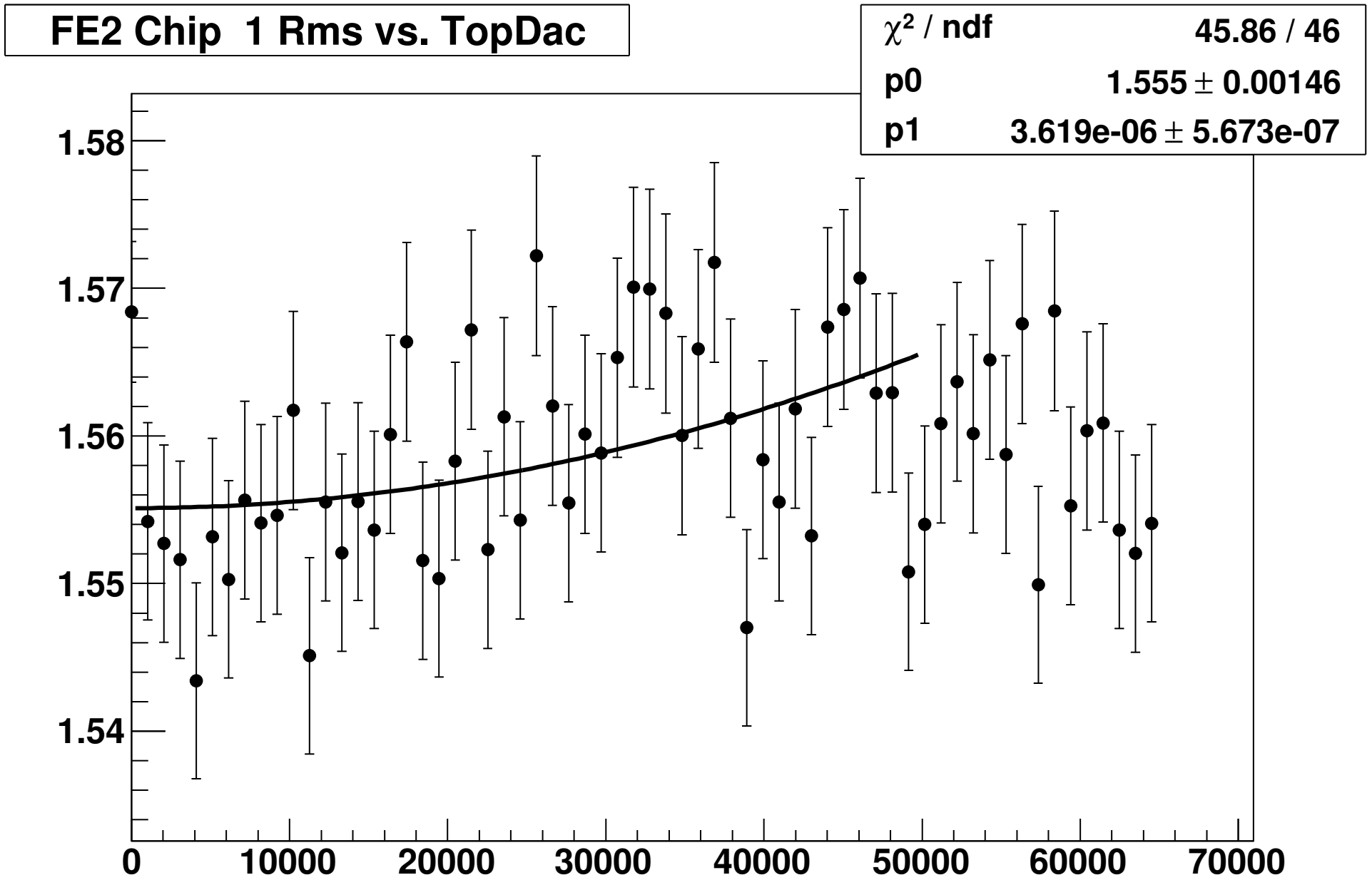
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 45.86 / 46
p0 1.555 ± 0.00146
p1 3.619e-06 ± 5.673e-07
1.58
1.57
1.56
1.55
1.54
0
10000
20000
30000
40000
50000
60000
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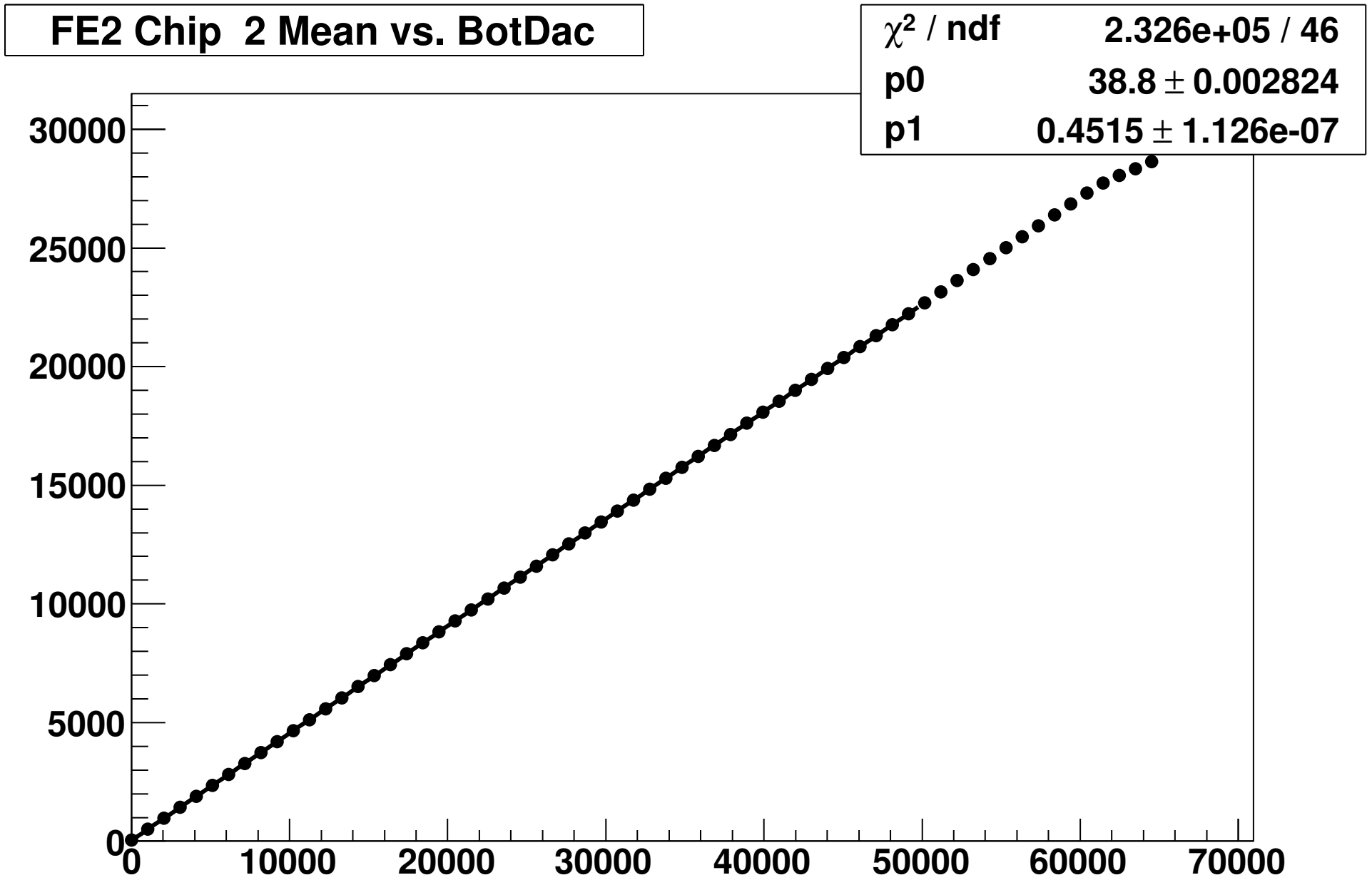
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 2.326e+05 / 46
p0 38.8 ± 0.002824
p1 0.4515 ± 1.126e-07
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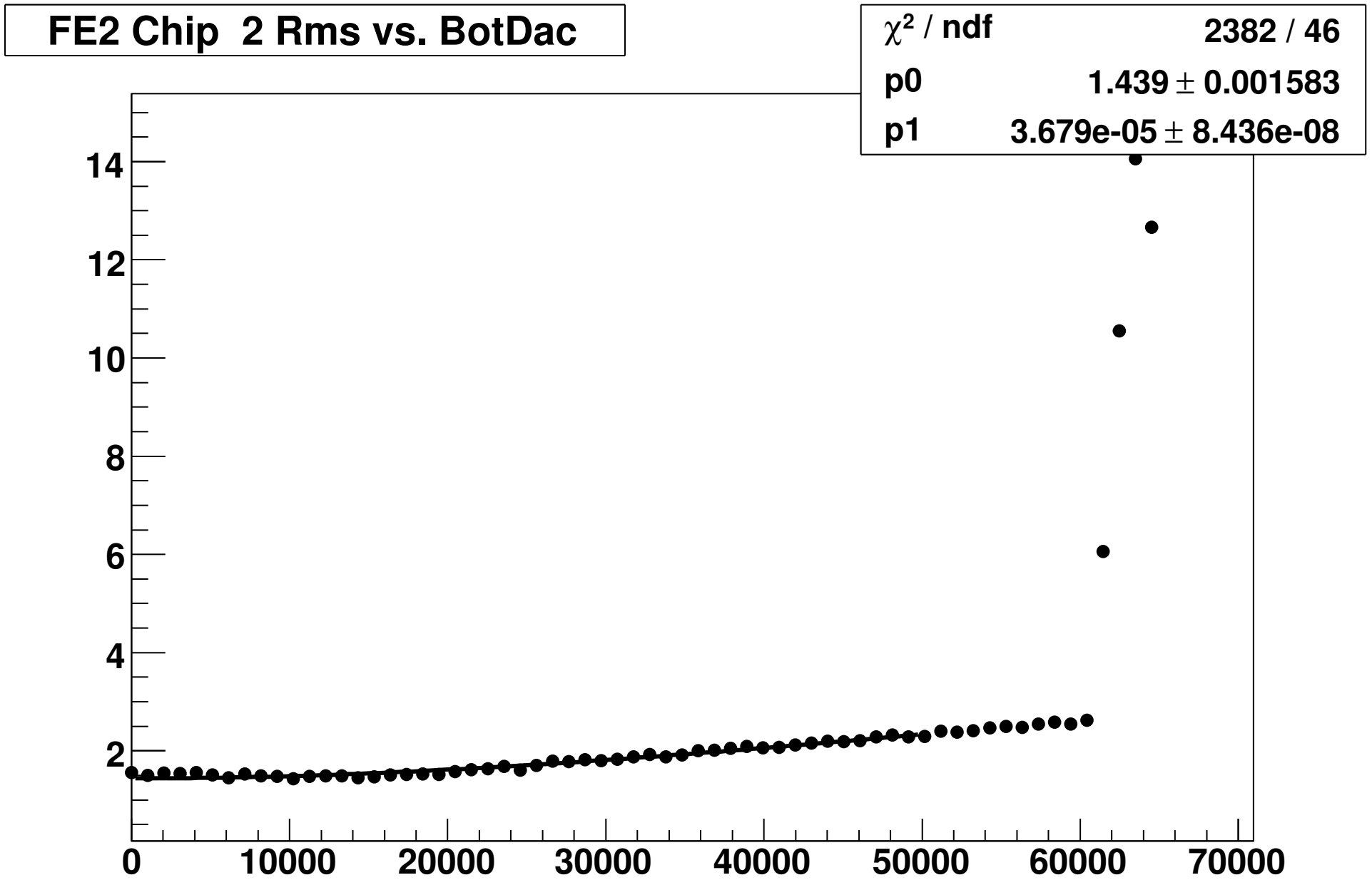
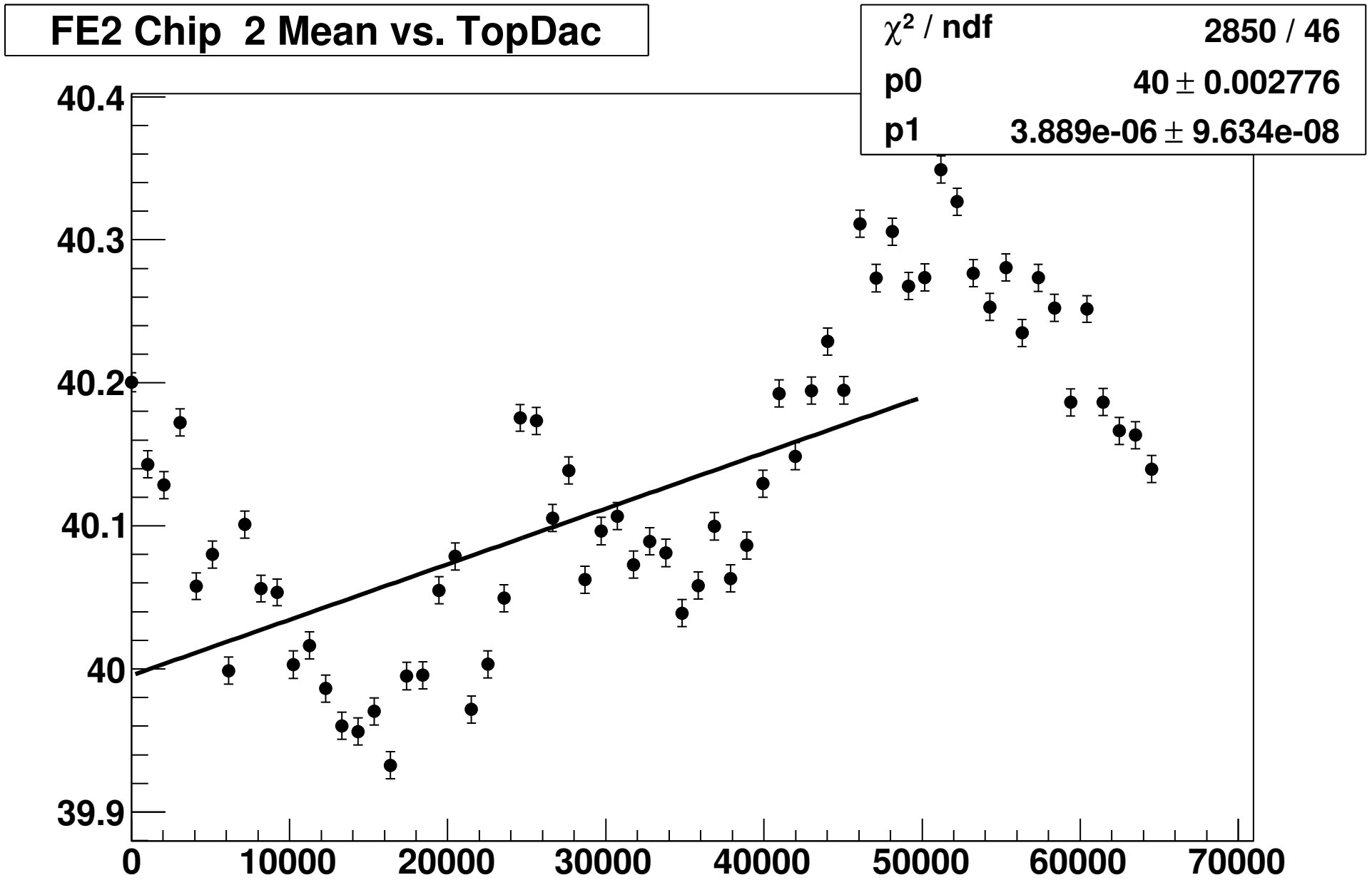
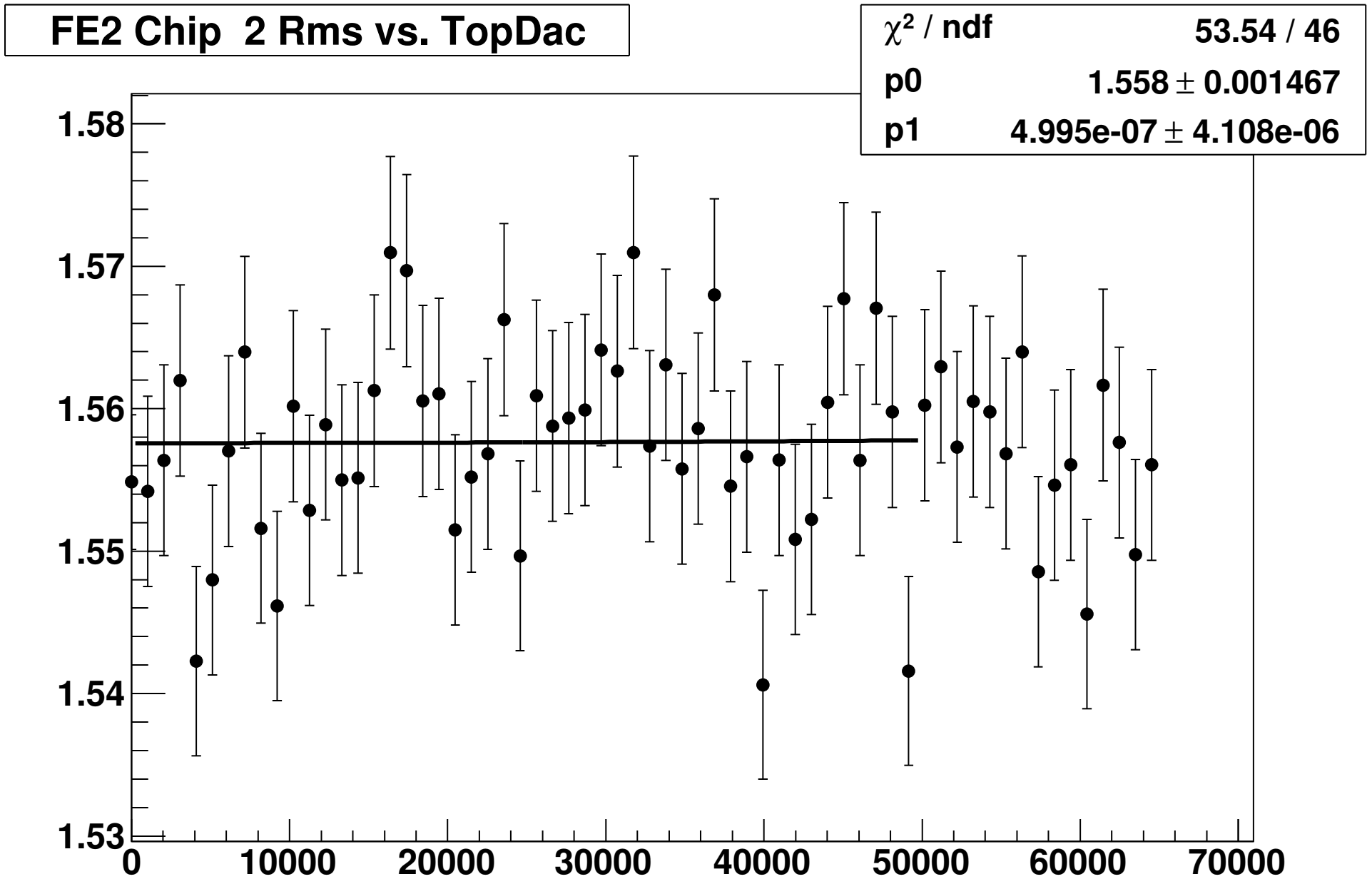
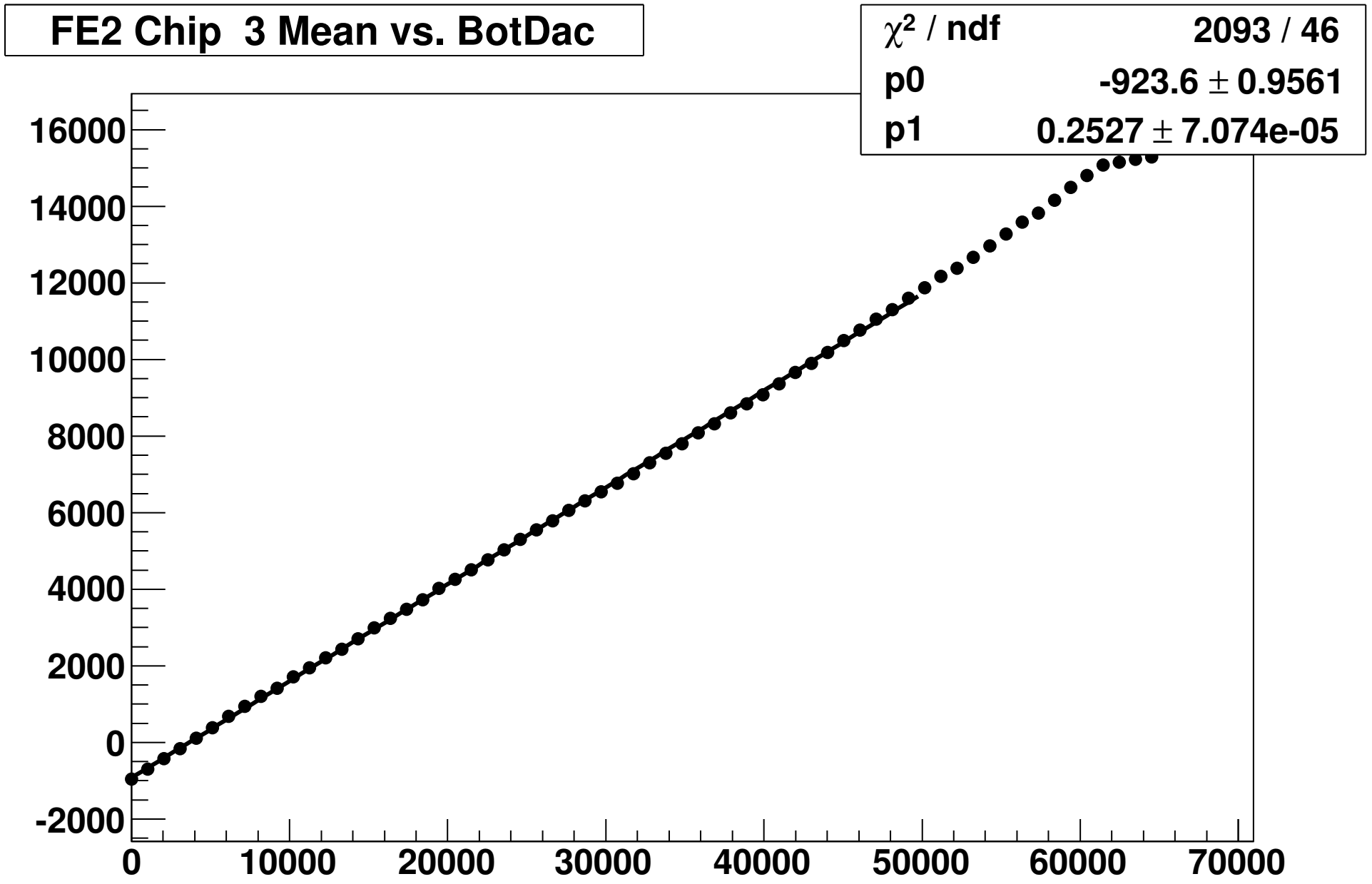
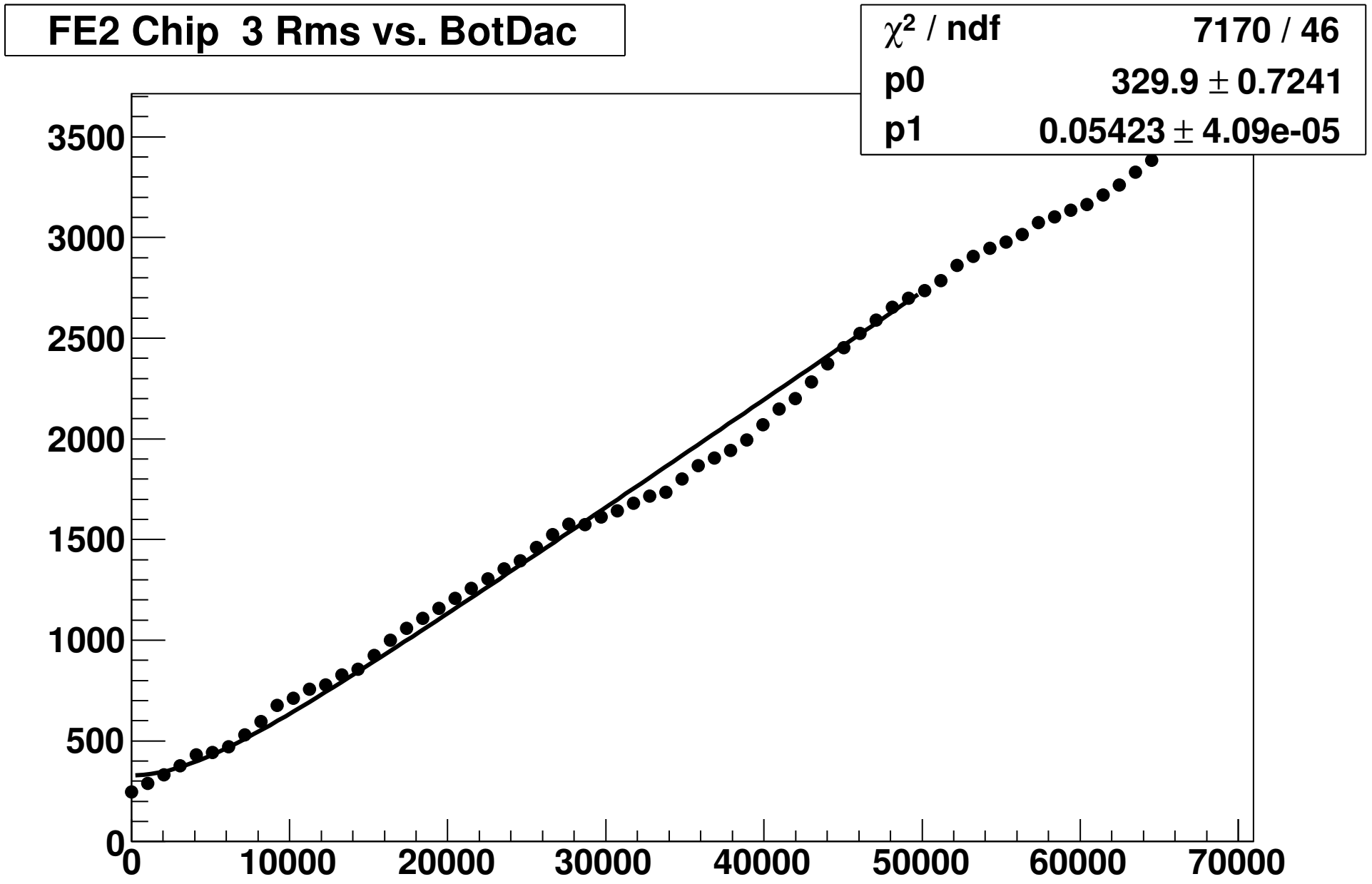
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

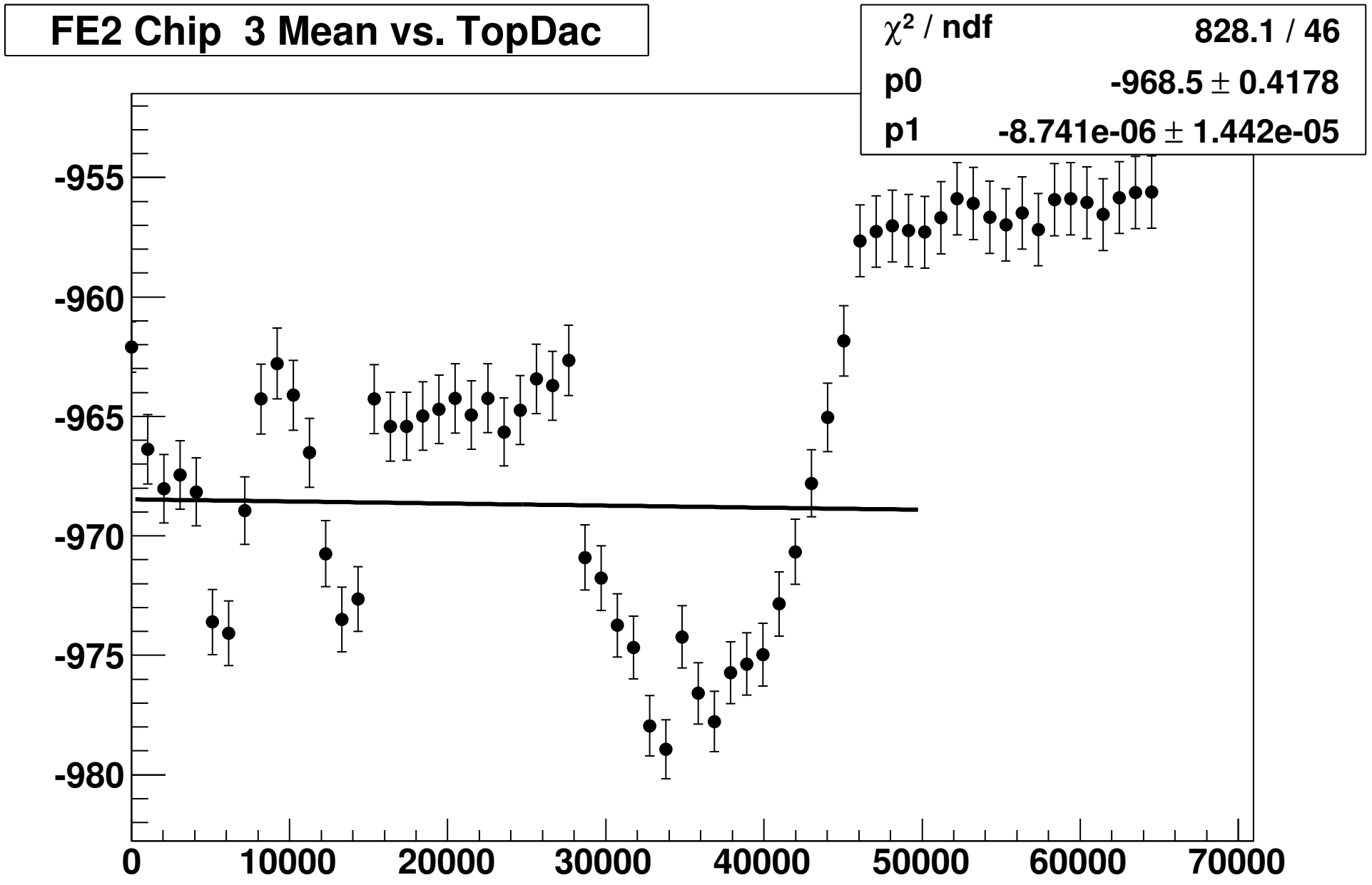

FE2 Chip 2 Rms vs. BotDac
χ² / ndf 2382 / 46
p0 1.439 ± 0.001583
p1 3.679e-05 ± 8.436e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

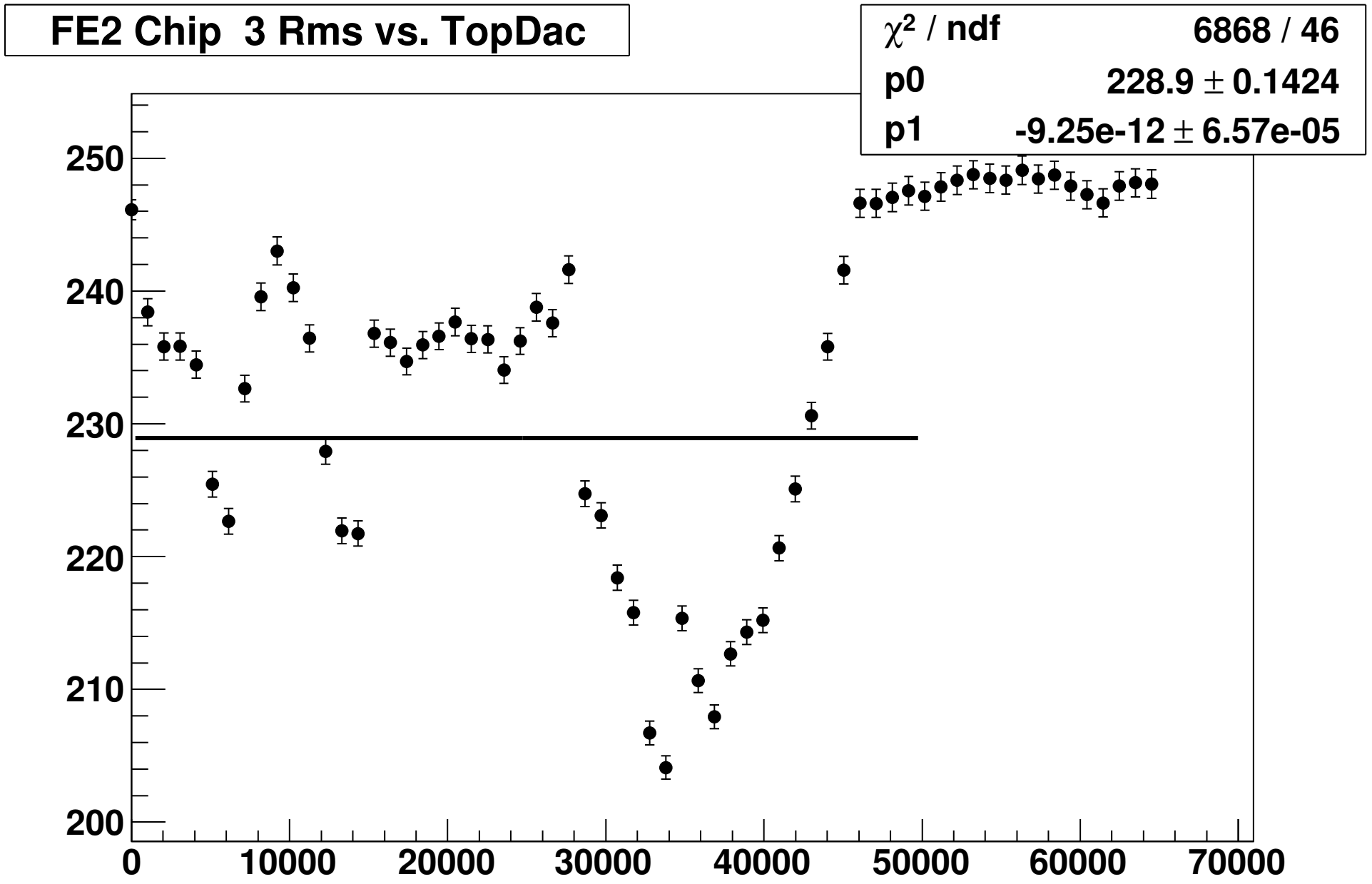

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 2850 / 46
p0 40 ± 0.002776
p1 3.889e-06 ± 9.634e-08
40.4
40.3
40.2
40.1
40
39.9
0
10000
20000
30000
40000
50000
60000
70000

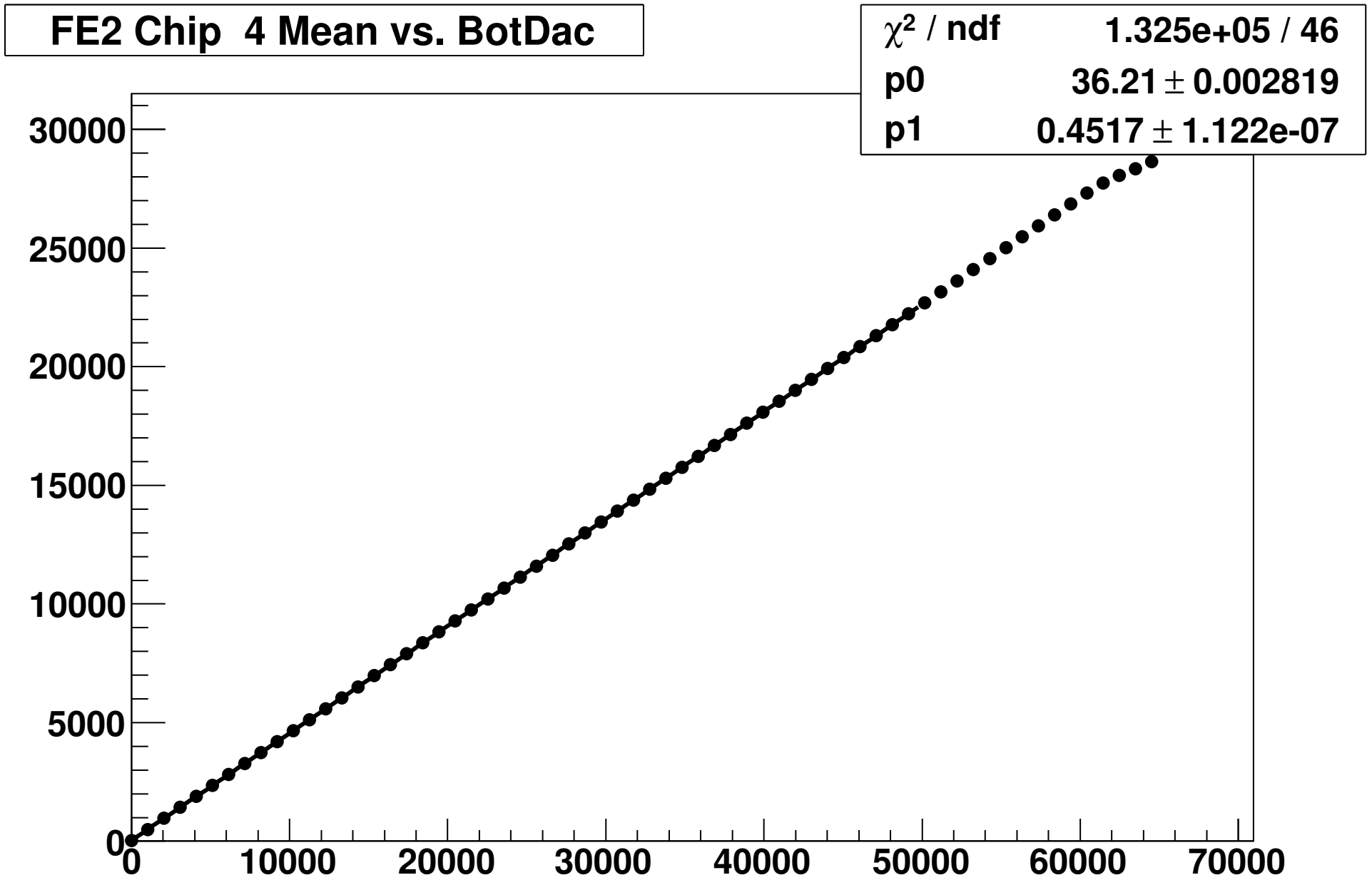

FE2 Chip 2 Rms vs. TopDac
χ² / ndf 53.54 / 46
p0 1.558 ± 0.001467
p1 4.995e-07 ± 4.108e-06
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000

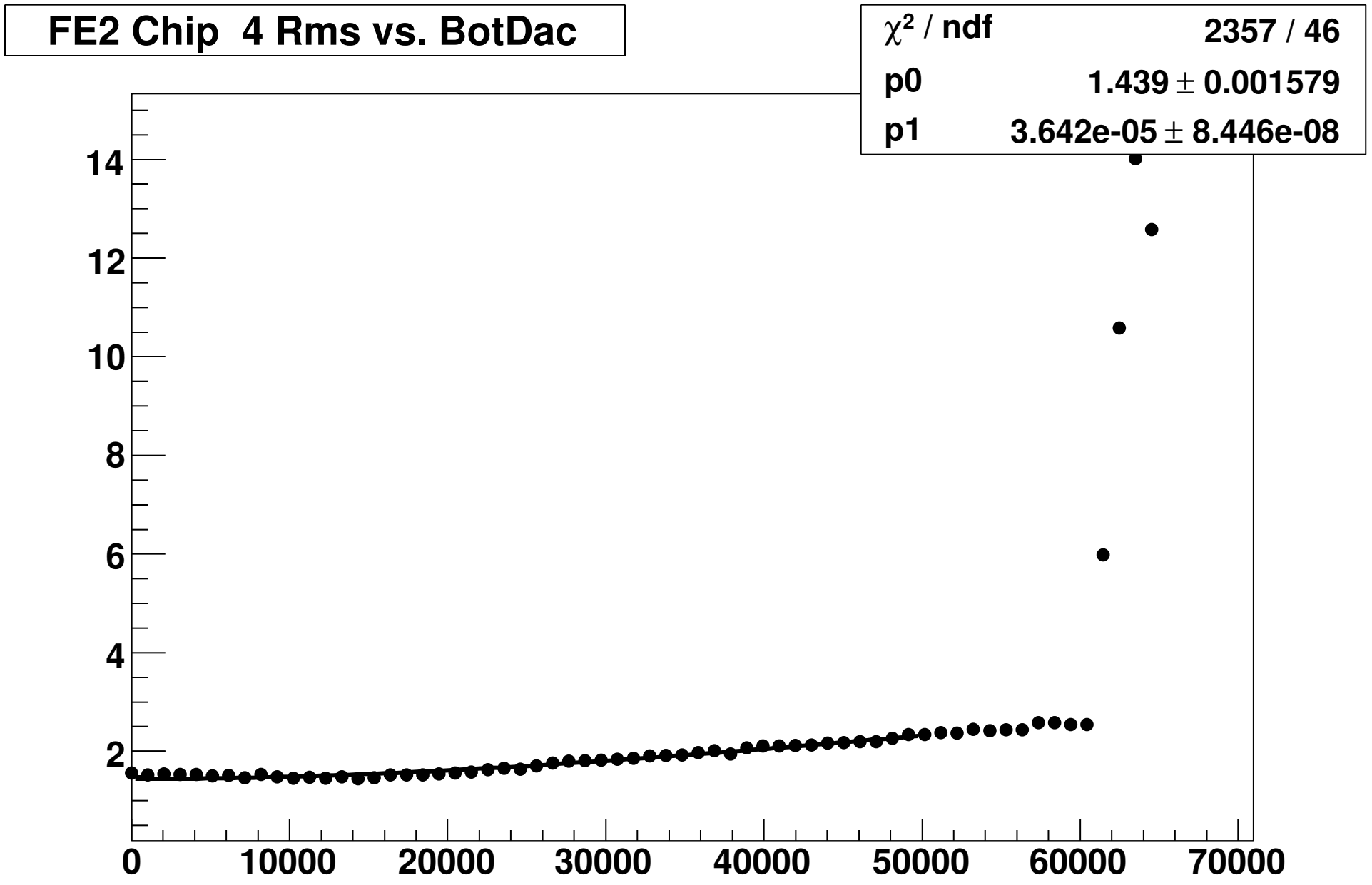

FE2 Chip 3 Mean vs. BotDac
χ² / ndf 2093 / 46
p0 -923.6 ± 0.9561
p1 0.2527 ± 7.074e-05
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

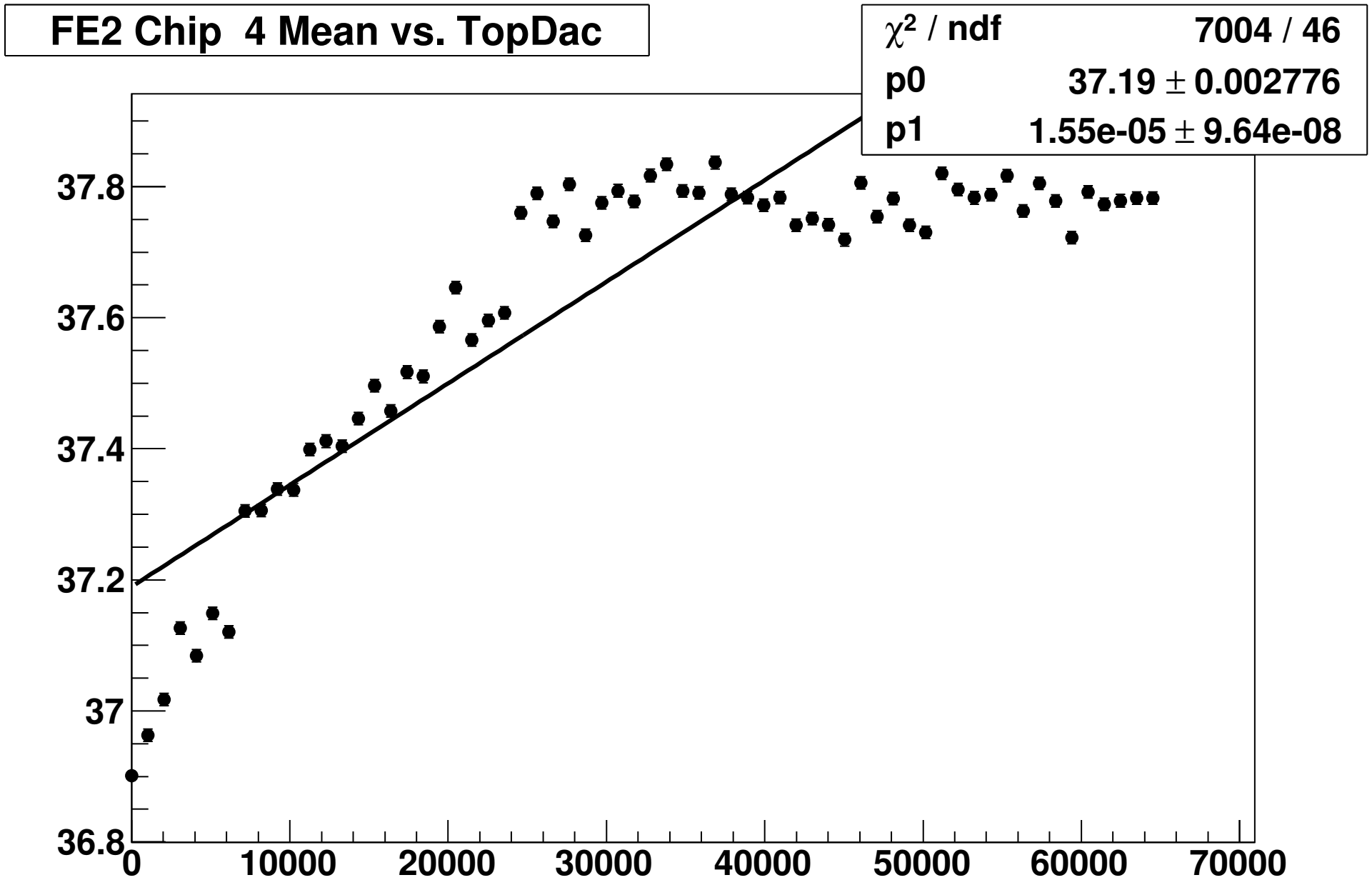

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 7170 / 46
p0 329.9 ± 0.7241
p1 0.05423 ± 4.09e-05
3500
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
70000

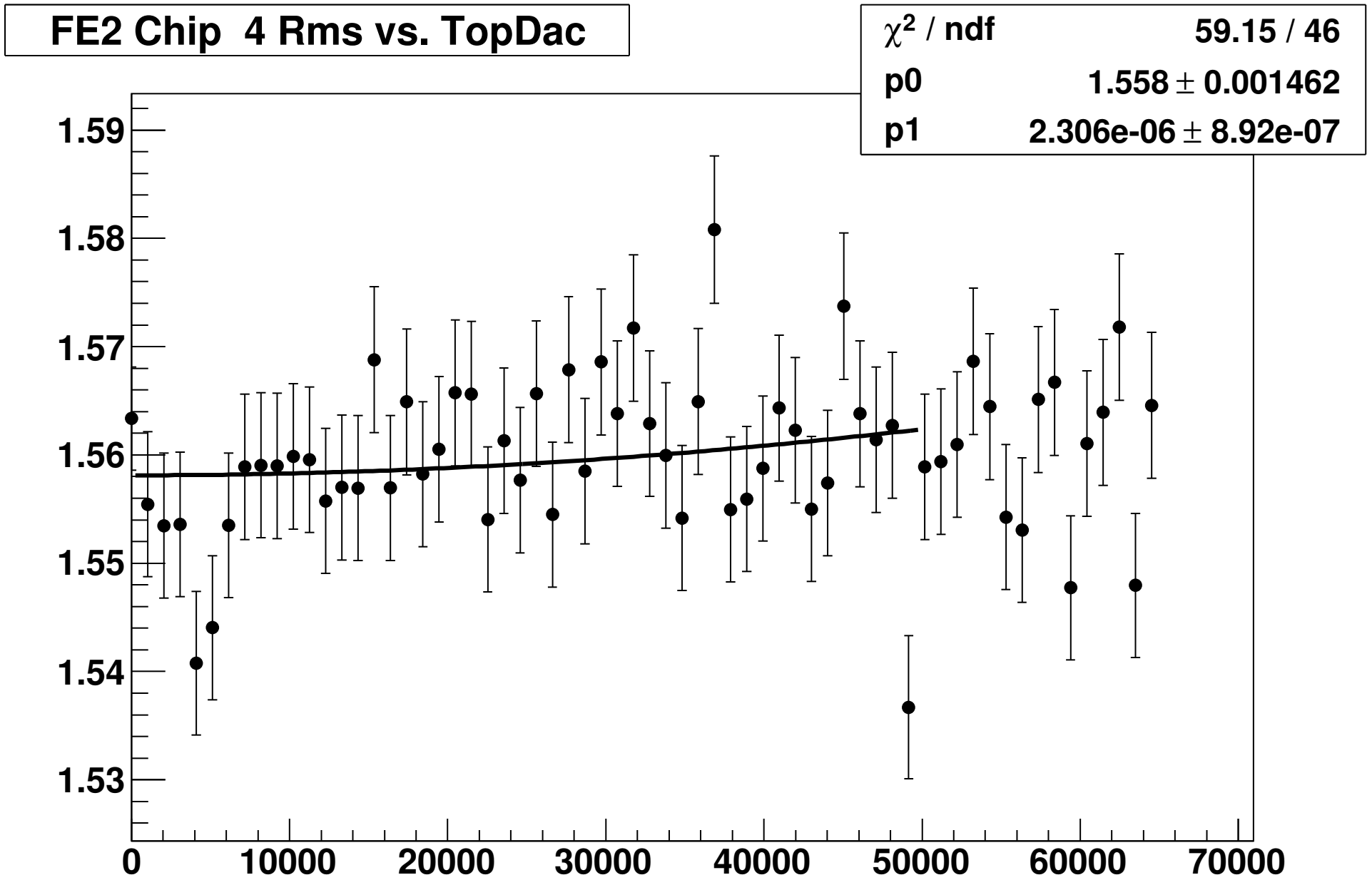

FE2 Chip 3 Mean vs. TopDac
χ^2 / ndf 828.1 / 46
p0 -968.5 ± 0.4178
p1 -8.741e-06 ± 1.442e-05
-955
-960
-965
-970
-975
-980
0
10000
20000
30000
40000
50000
60000
70000

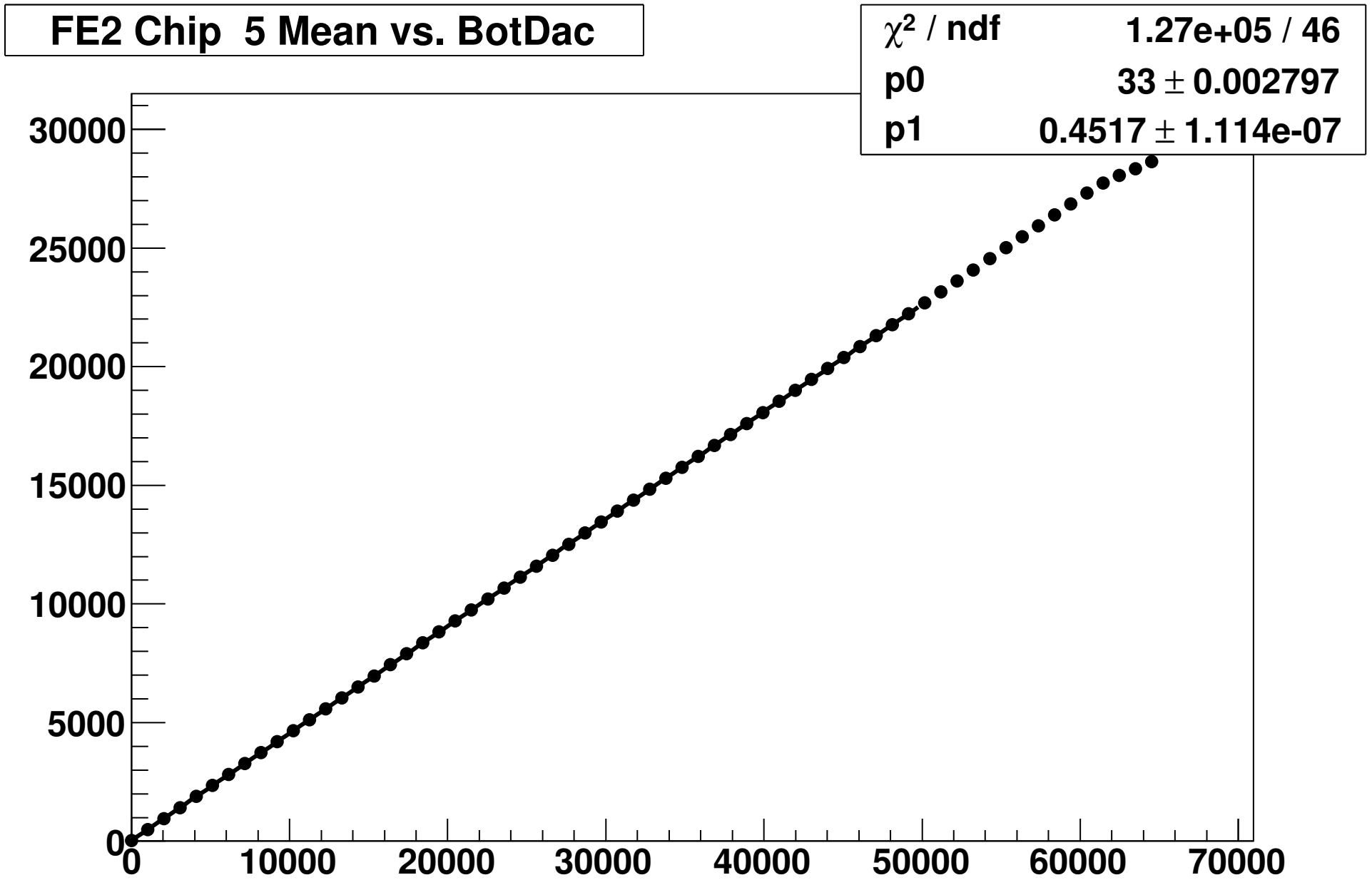

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 6868 / 46
p0 228.9 ± 0.1424
p1 -9.25e-12 ± 6.57e-05
250
240
230
220
210
200
0
10000
20000
30000
40000
50000
60000
70000

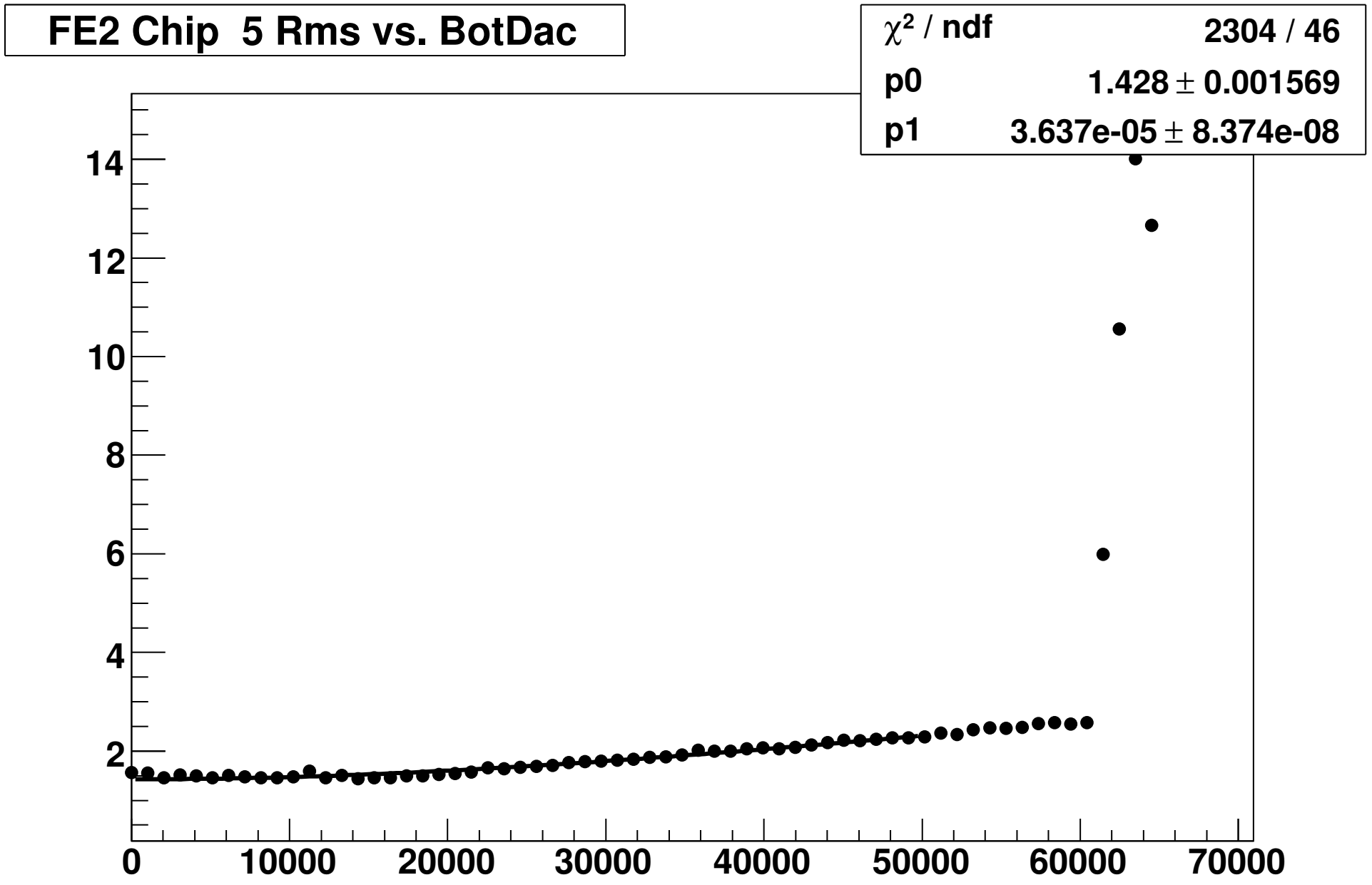

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 1.325e+05 / 46
p0 36.21 ± 0.002819
p1 0.4517 ± 1.122e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

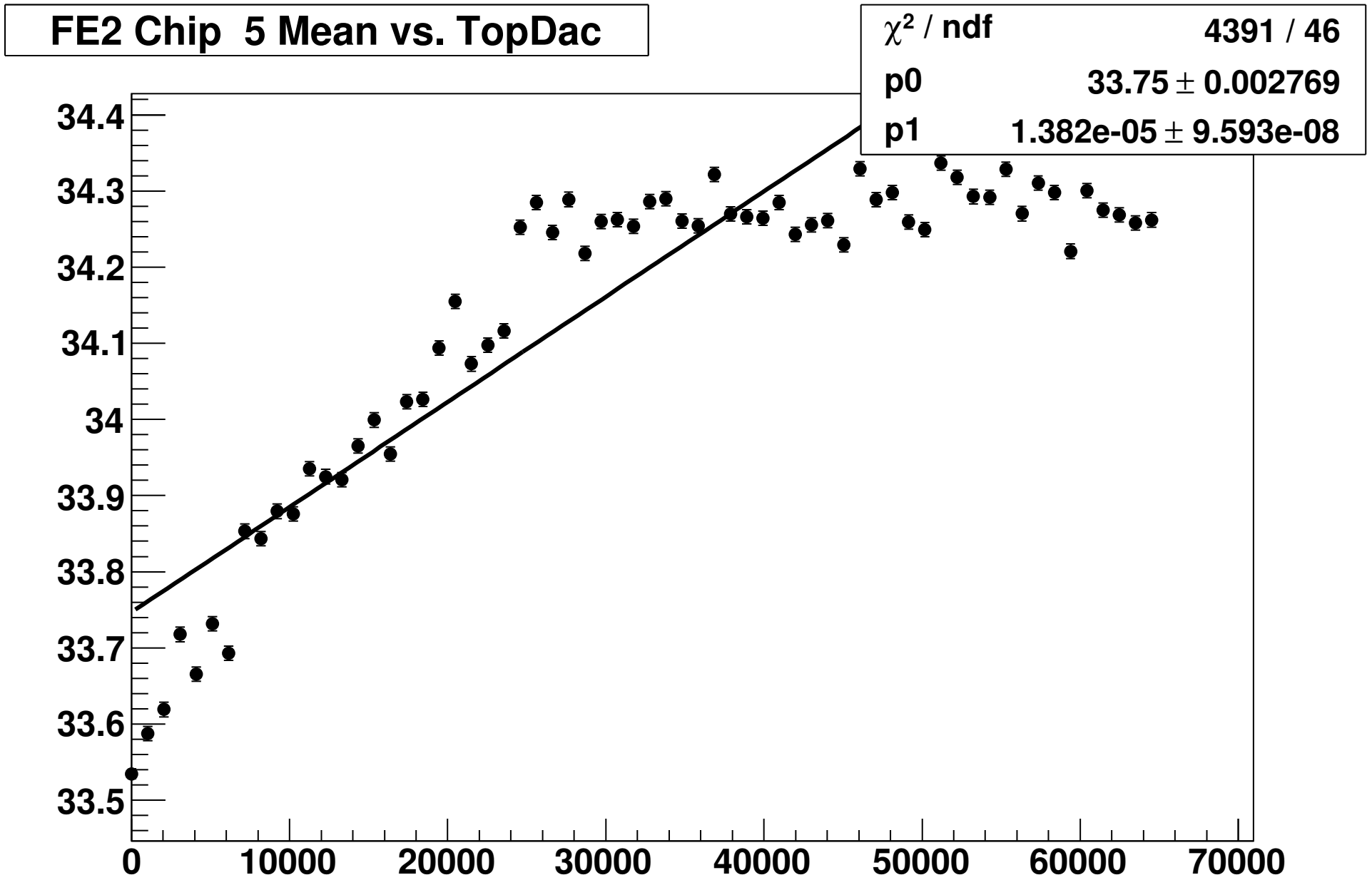

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 2357 / 46
p0 1.439 ± 0.001579
p1 3.642e-05 ± 8.446e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 7004 / 46
p0 37.19 ± 0.002776
p1 1.55e-05 ± 9.64e-08
37.8
37.6
37.4
37.2
37
36.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 59.15 / 46
p0 1.558 ± 0.001462
p1 2.306e-06 ± 8.92e-07
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 1.27e+05 / 46
p0 33 ± 0.002797
p1 0.4517 ± 1.114e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 2304 / 46
p0 1.428 ± 0.001569
p1 3.637e-05 ± 8.374e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 4391 / 46
p0 33.75 ± 0.002769
p1 1.382e-05 ± 9.593e-08
34.4
34.3
34.2
34.1
34
33.9
33.8
33.7
33.6
33.5
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20000
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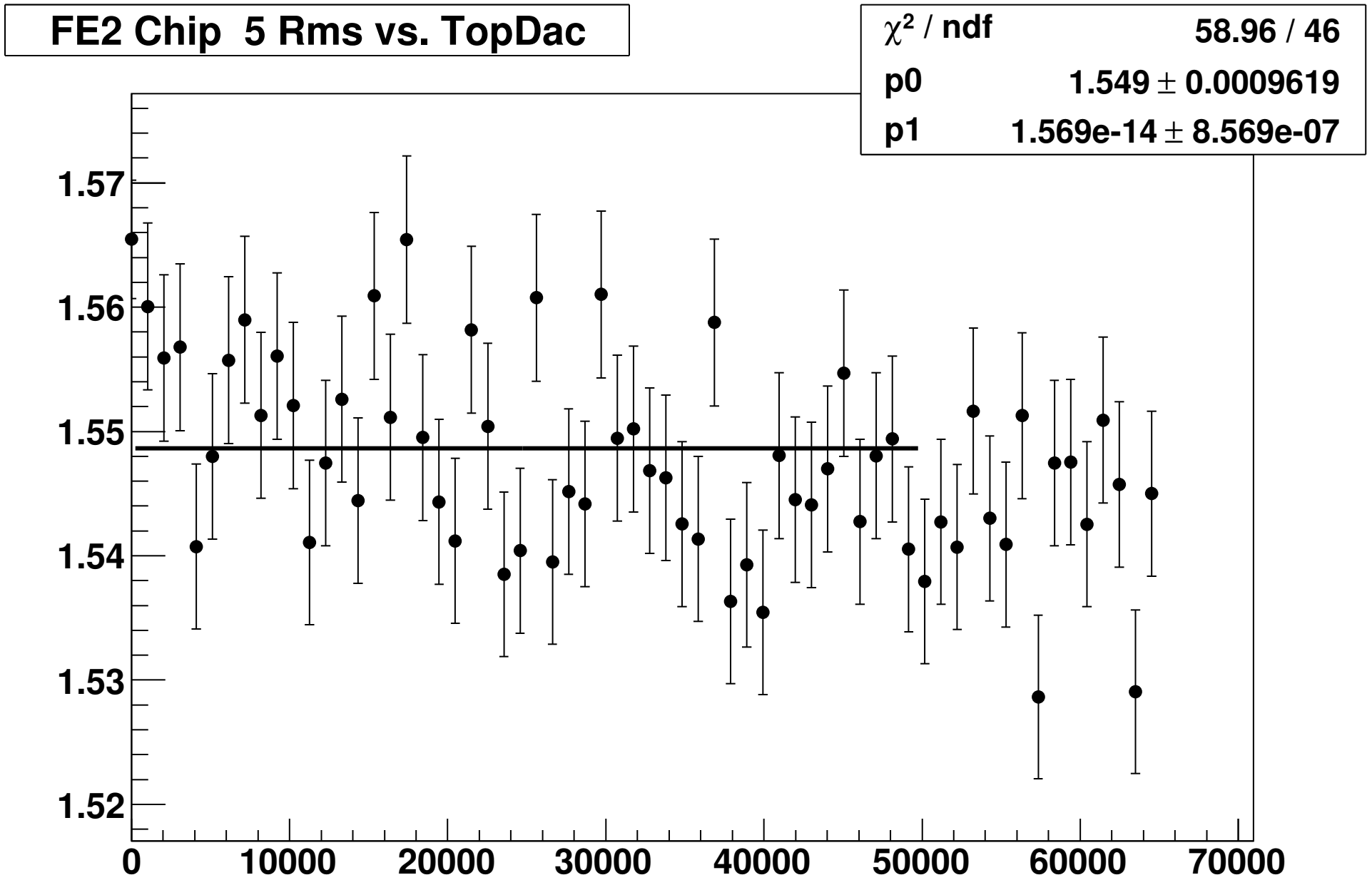
50000
60000
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 58.96 / 46
p0 1.549 ± 0.0009619
p1 1.569e-14 ± 8.569e-07
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
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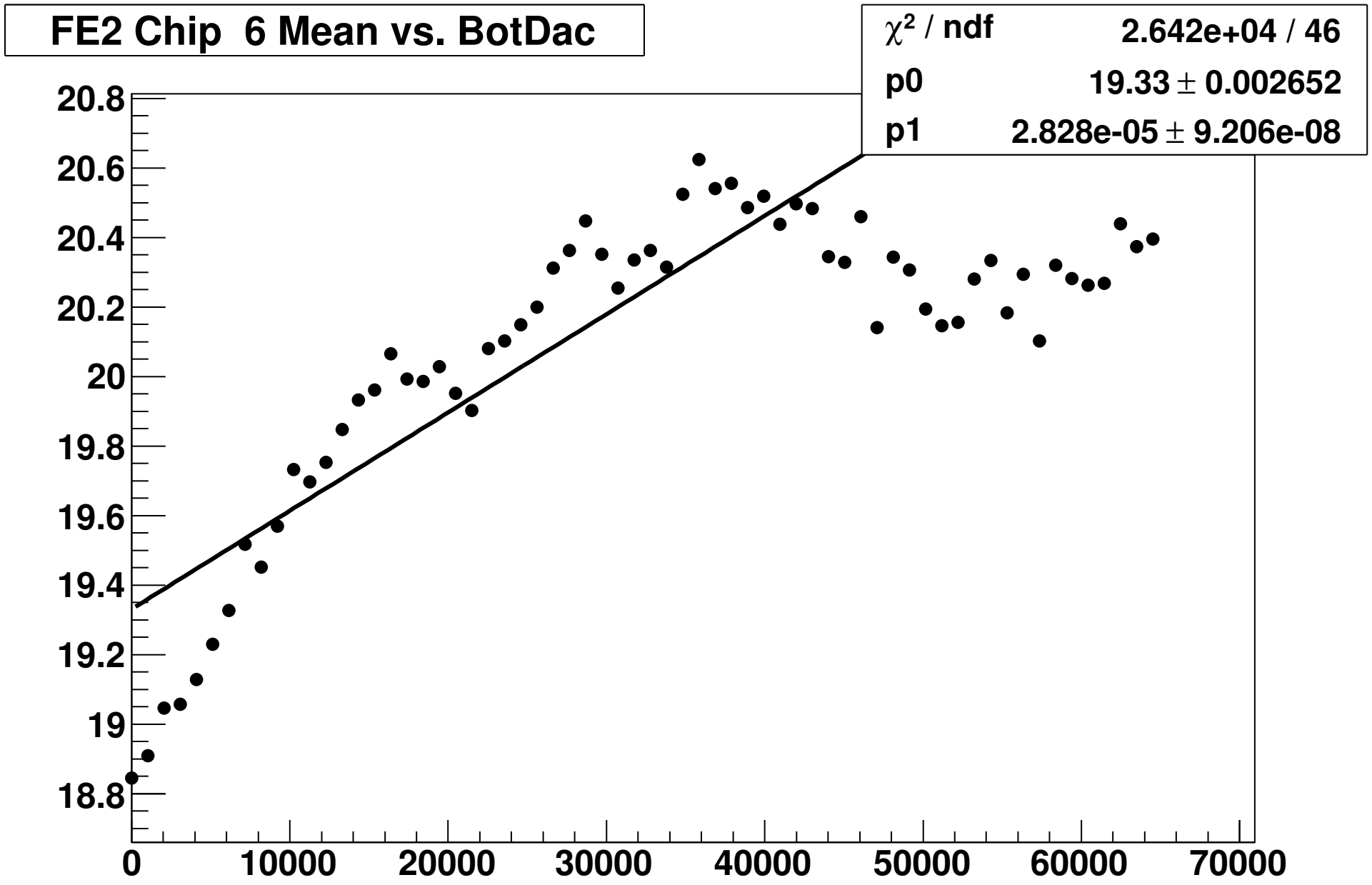
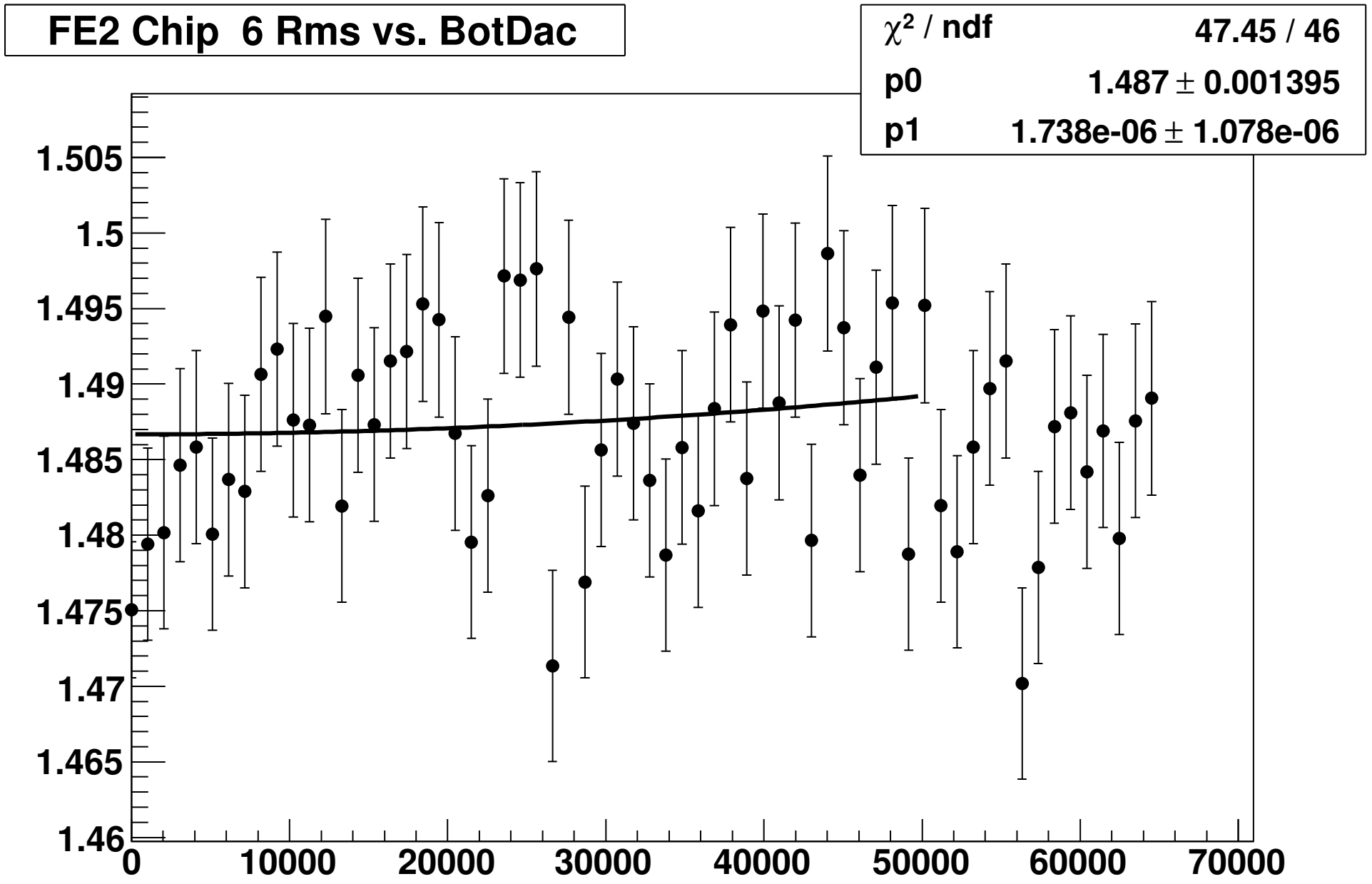
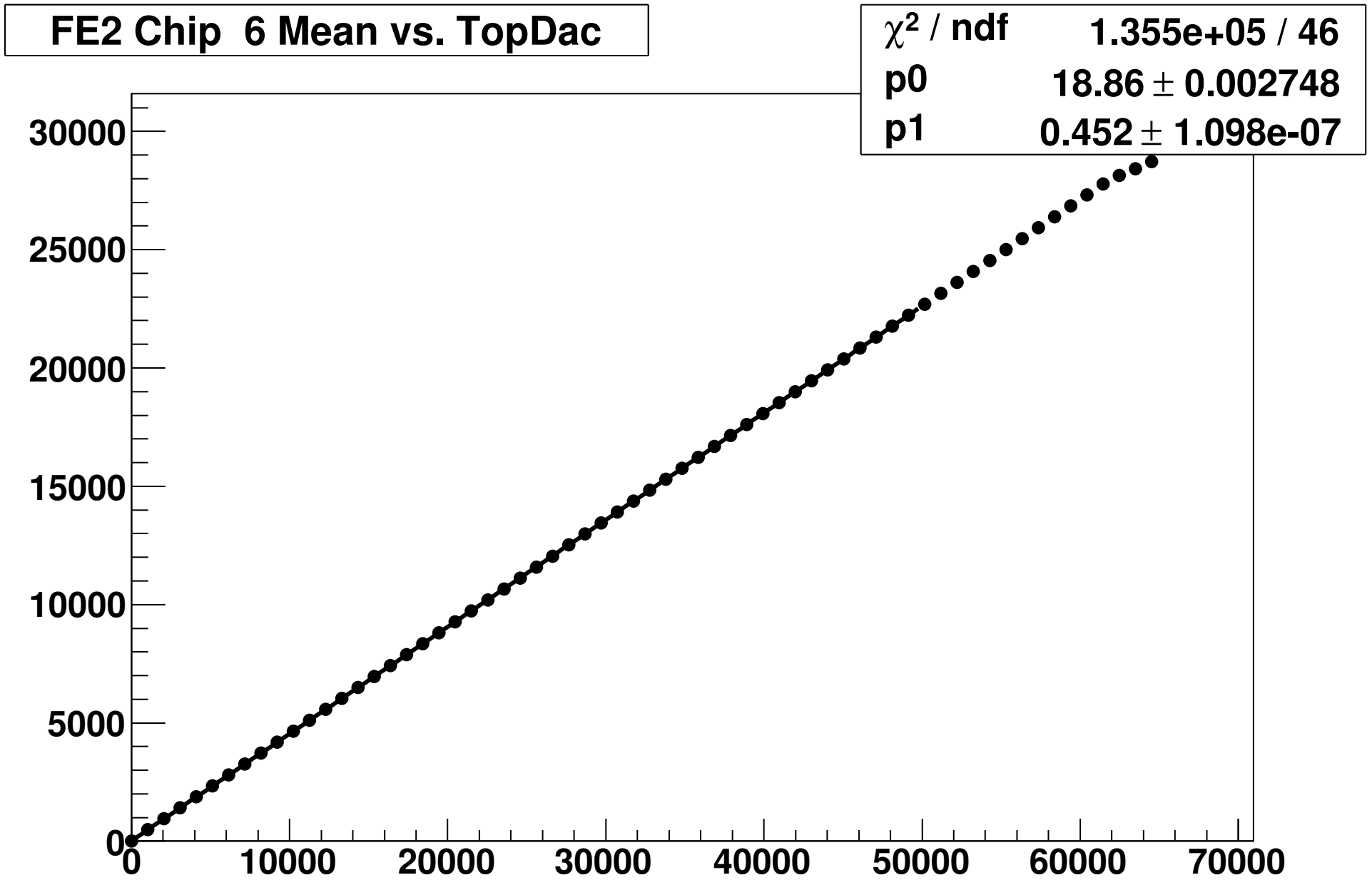

FE2 Chip 6 Mean vs. BotDac
χ² / ndf 2.642e+04 / 46
p0 19.33 ± 0.002652
p1 2.828e-05 ± 9.206e-08
20.8
20.6
20.4
20.2
20
19.8
19.6
19.4
19.2
19
18.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 47.45 / 46
p0 1.487 ± 0.001395
p1 1.738e-06 ± 1.078e-06
1.505
1.5
1.495
1.49
1.485
1.48
1.475
1.47
1.465
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.355e+05 / 46
p0 18.86 ± 0.002748
p1 0.452 ± 1.098e-07
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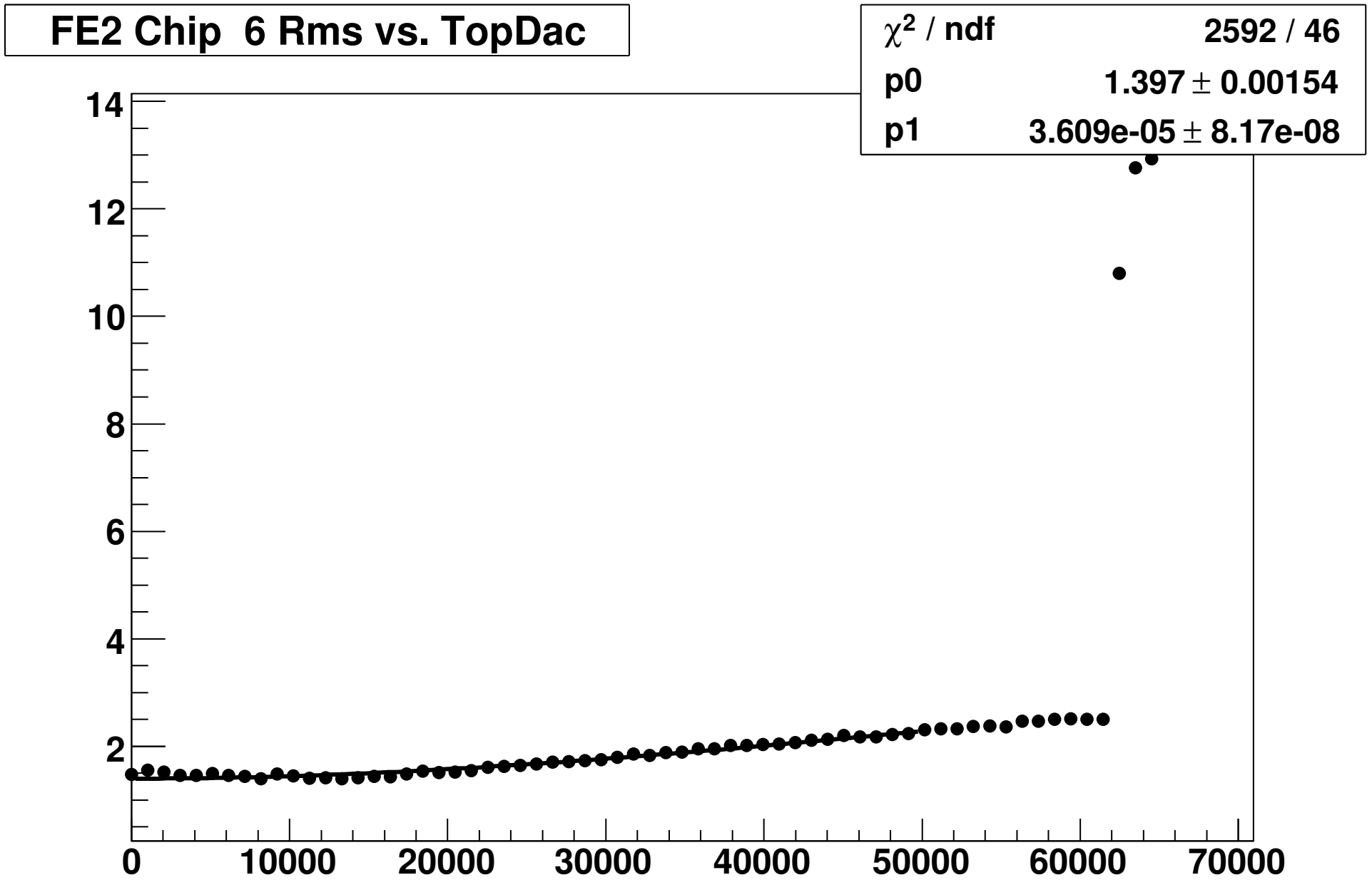
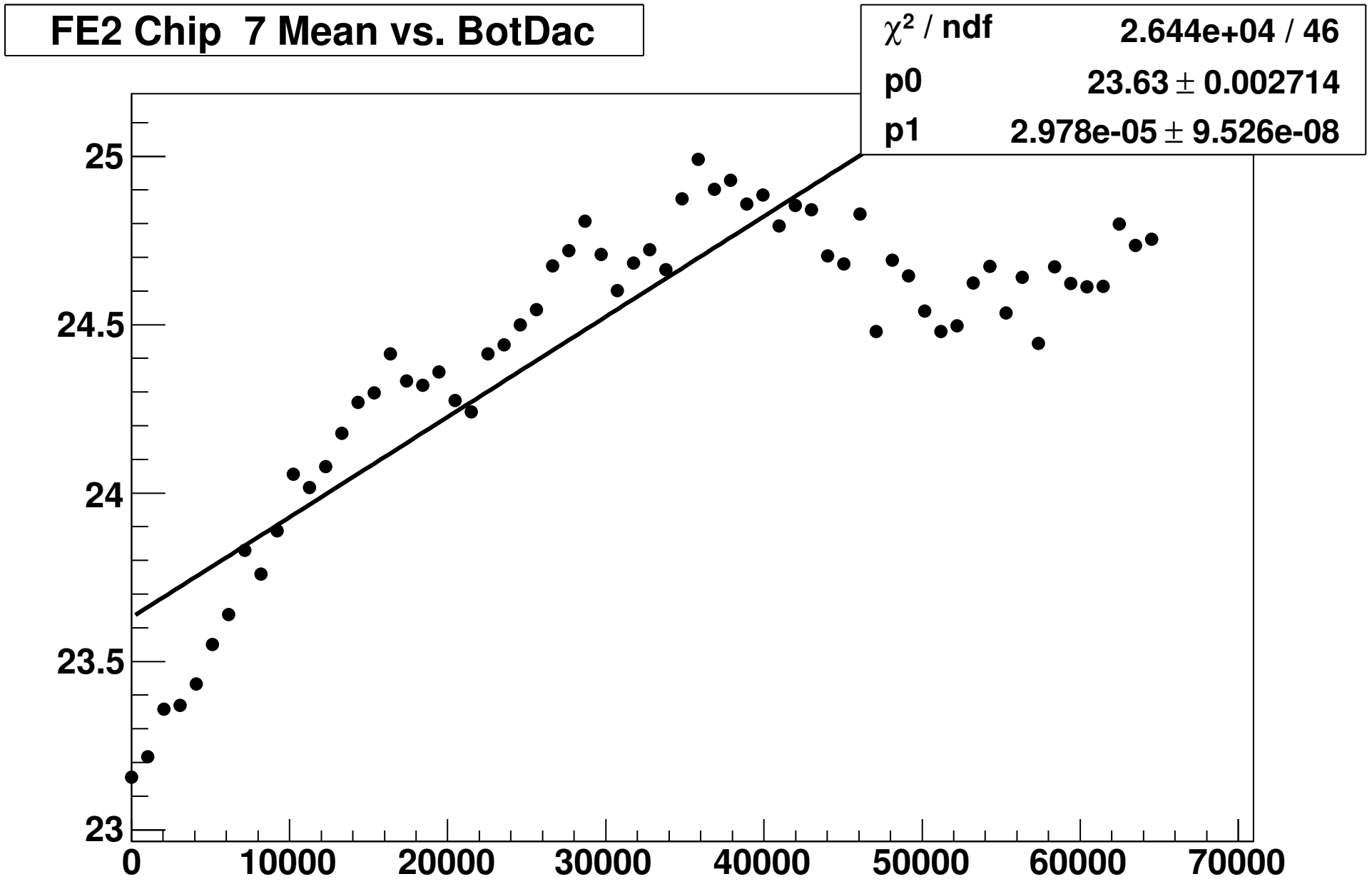
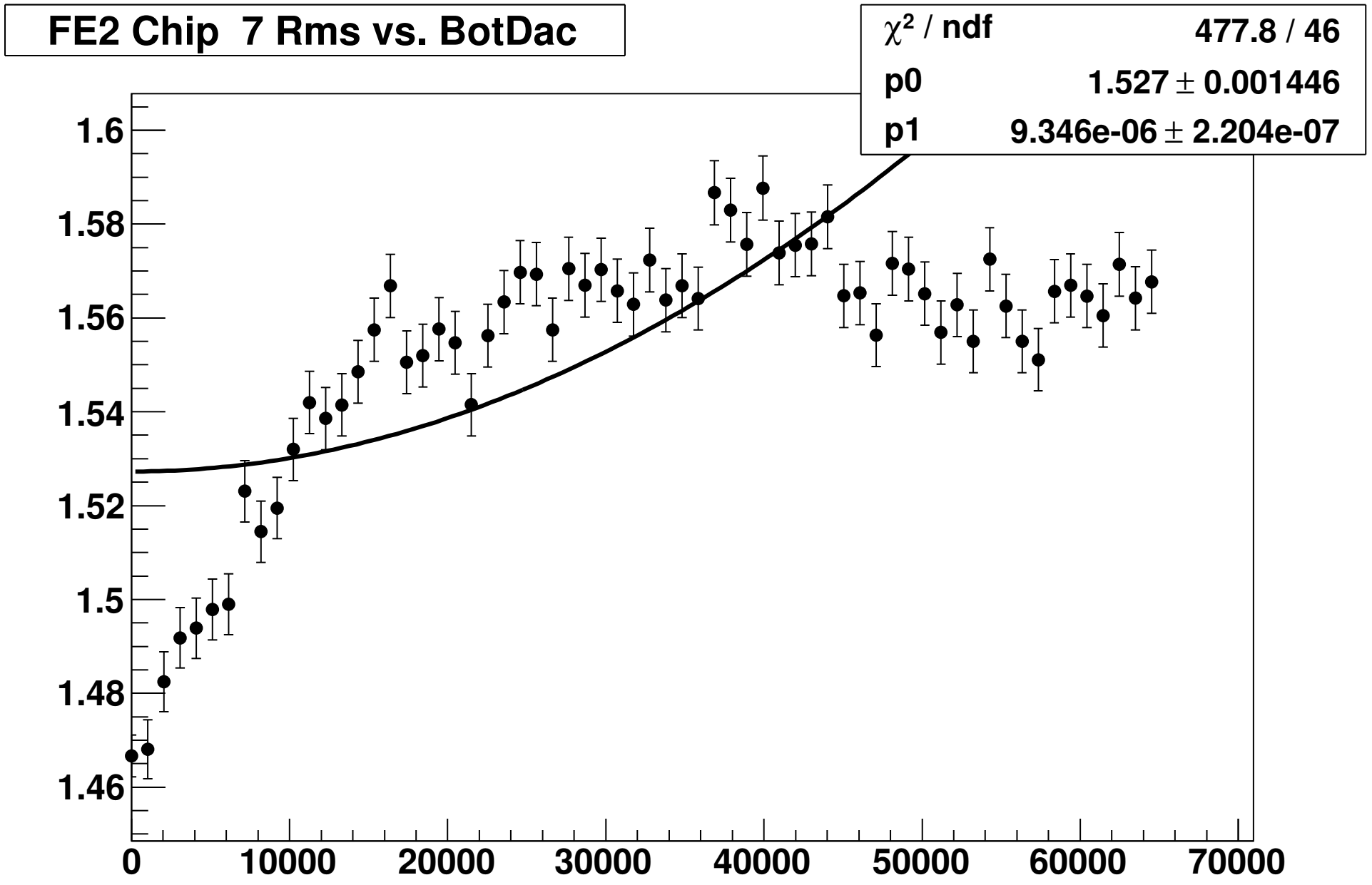
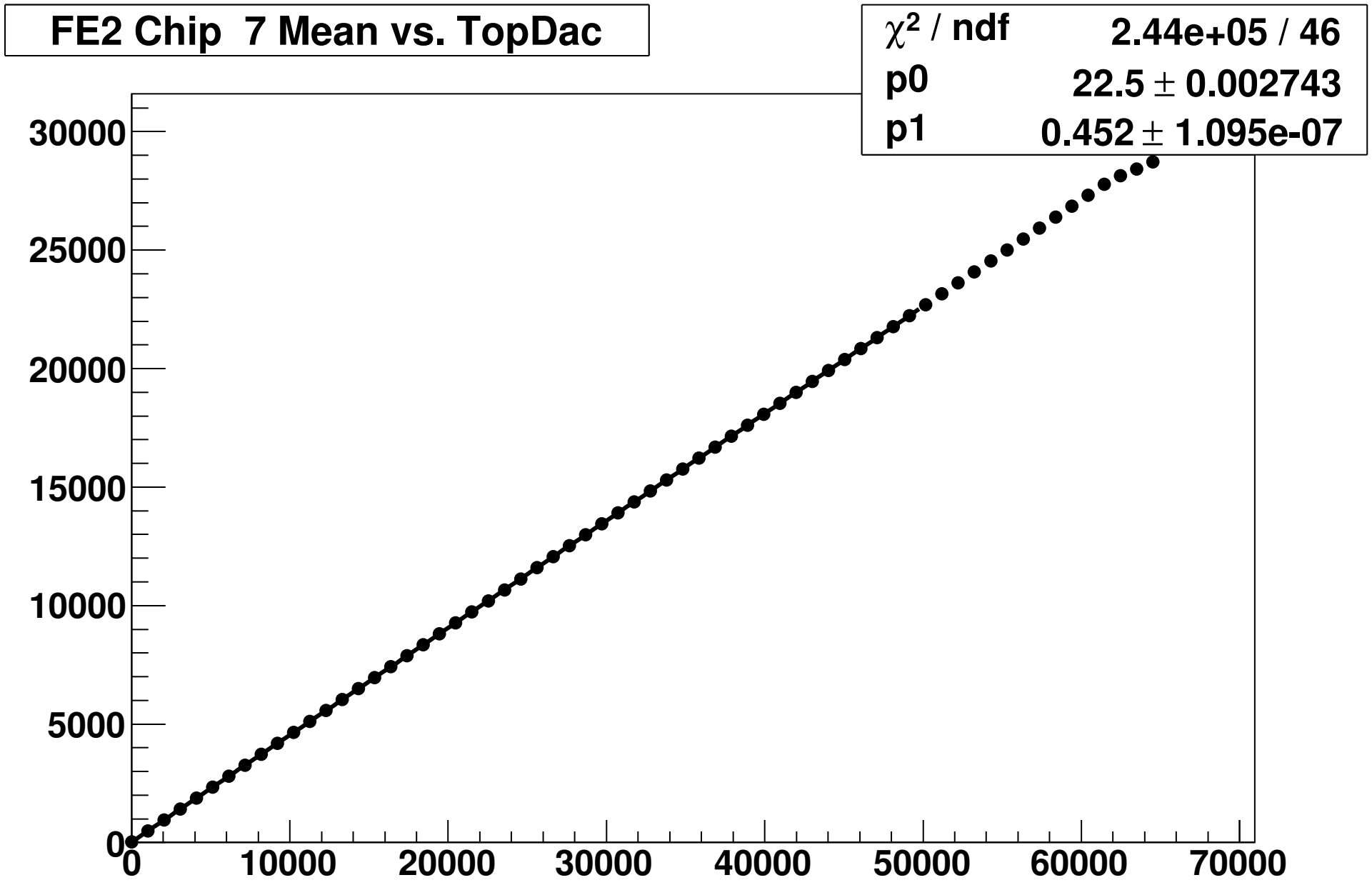
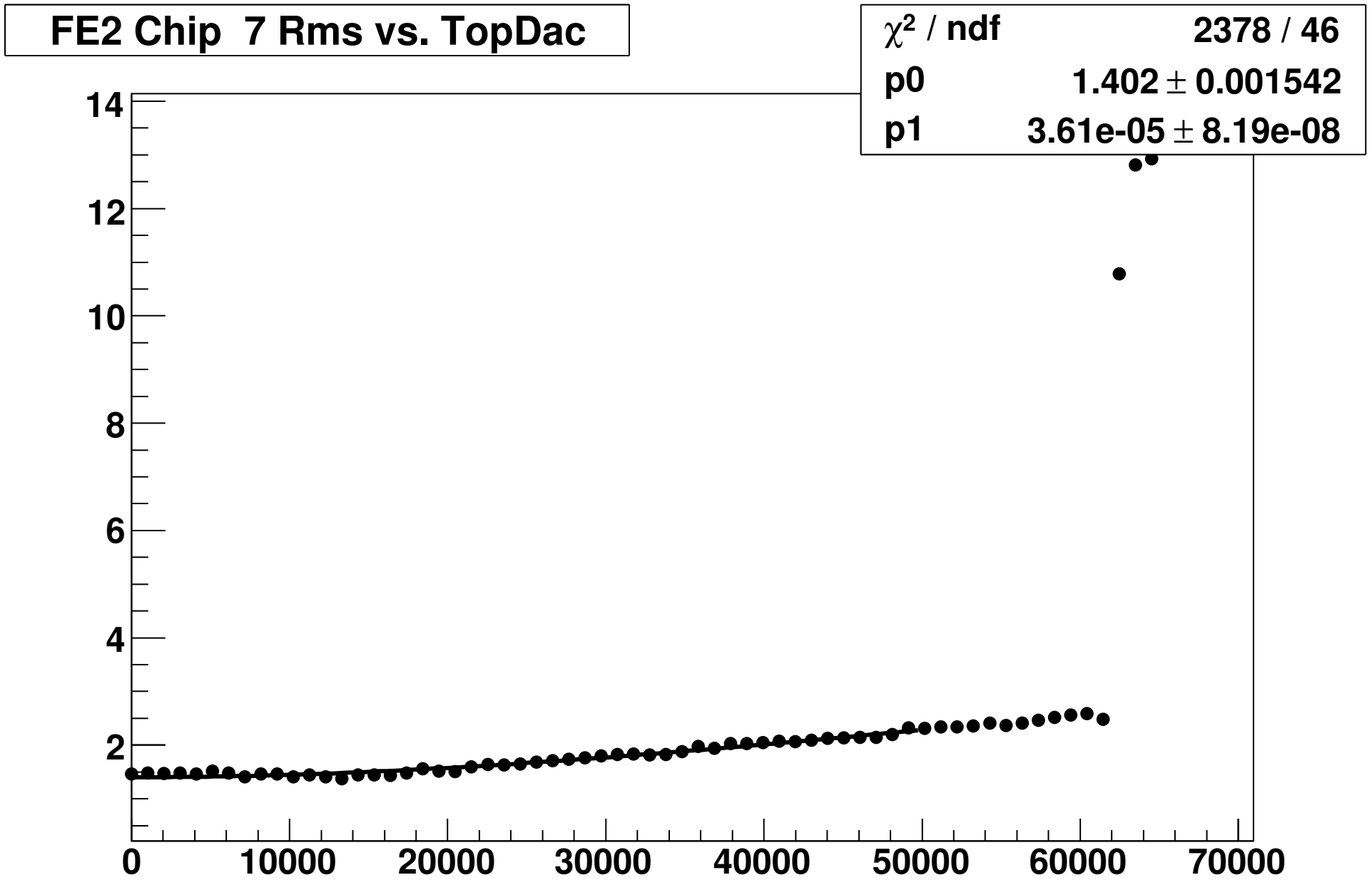
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

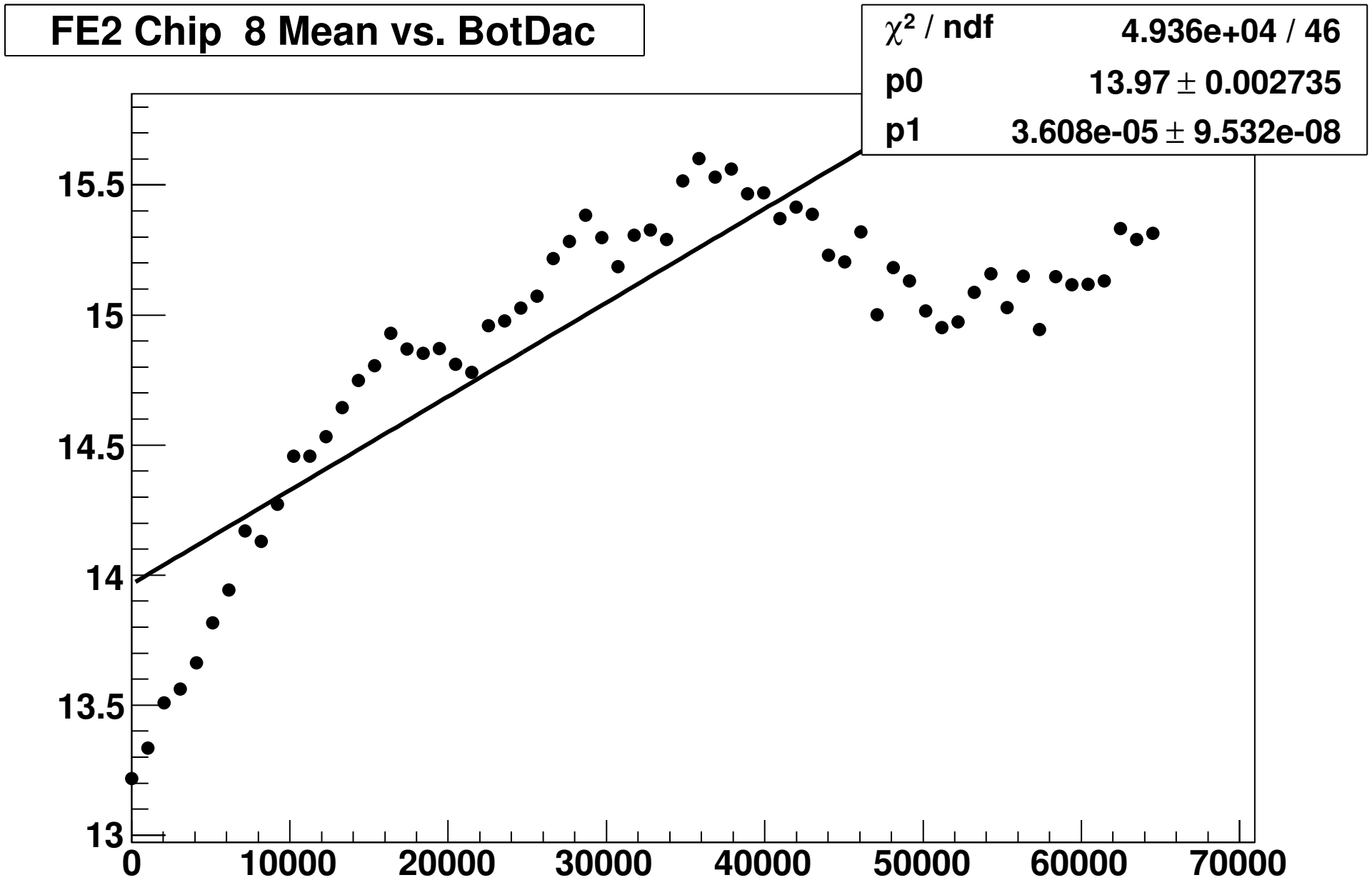

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 2592 / 46
p0 1.397 ± 0.00154
p1 3.609e-05 ± 8.17e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

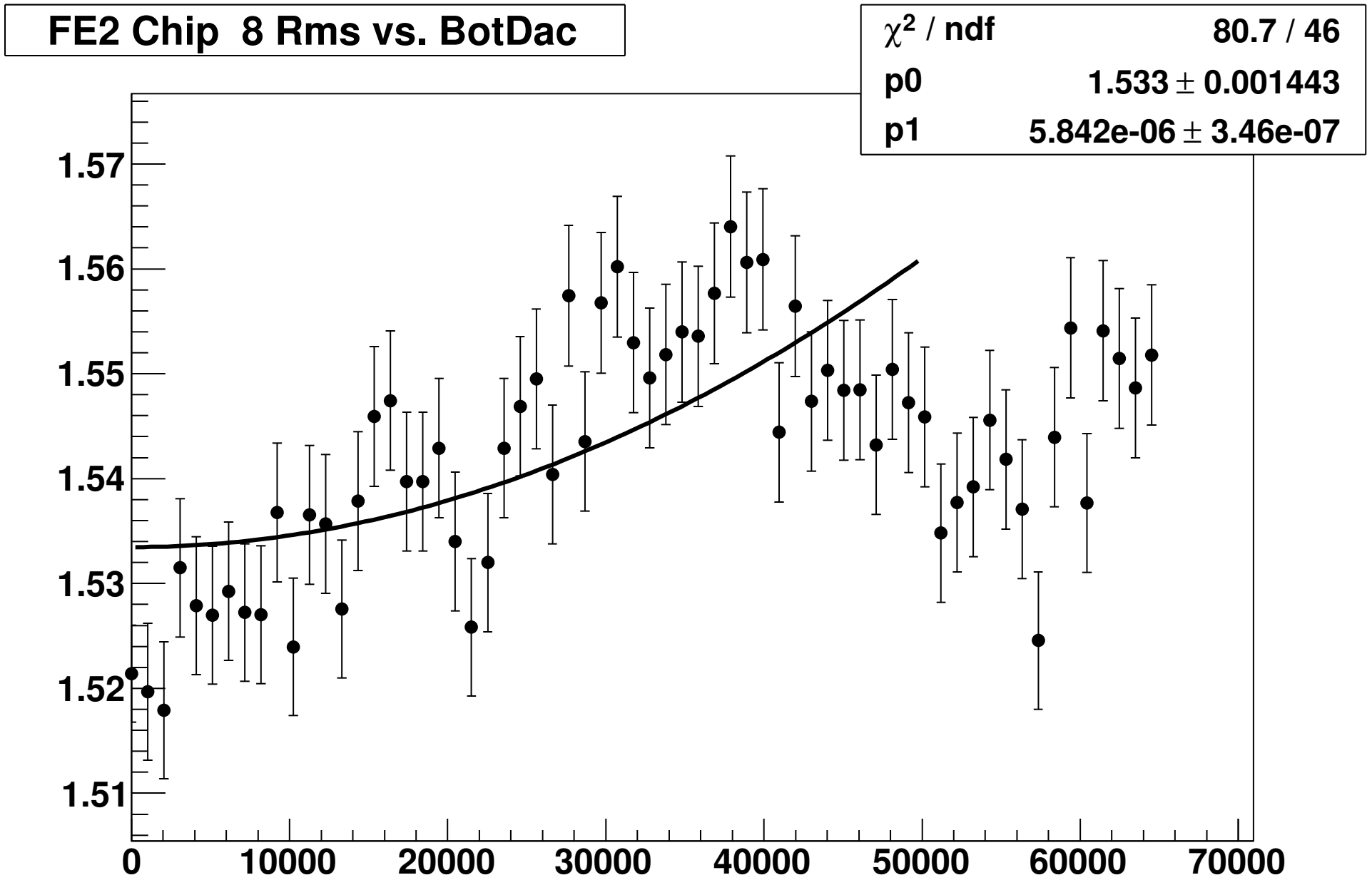

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 2.644e+04 / 46
p0 23.63 ± 0.002714
p1 2.978e-05 ± 9.526e-08
25
24.5
24
23.5
23
0
10000
20000
30000
40000
50000
60000
70000

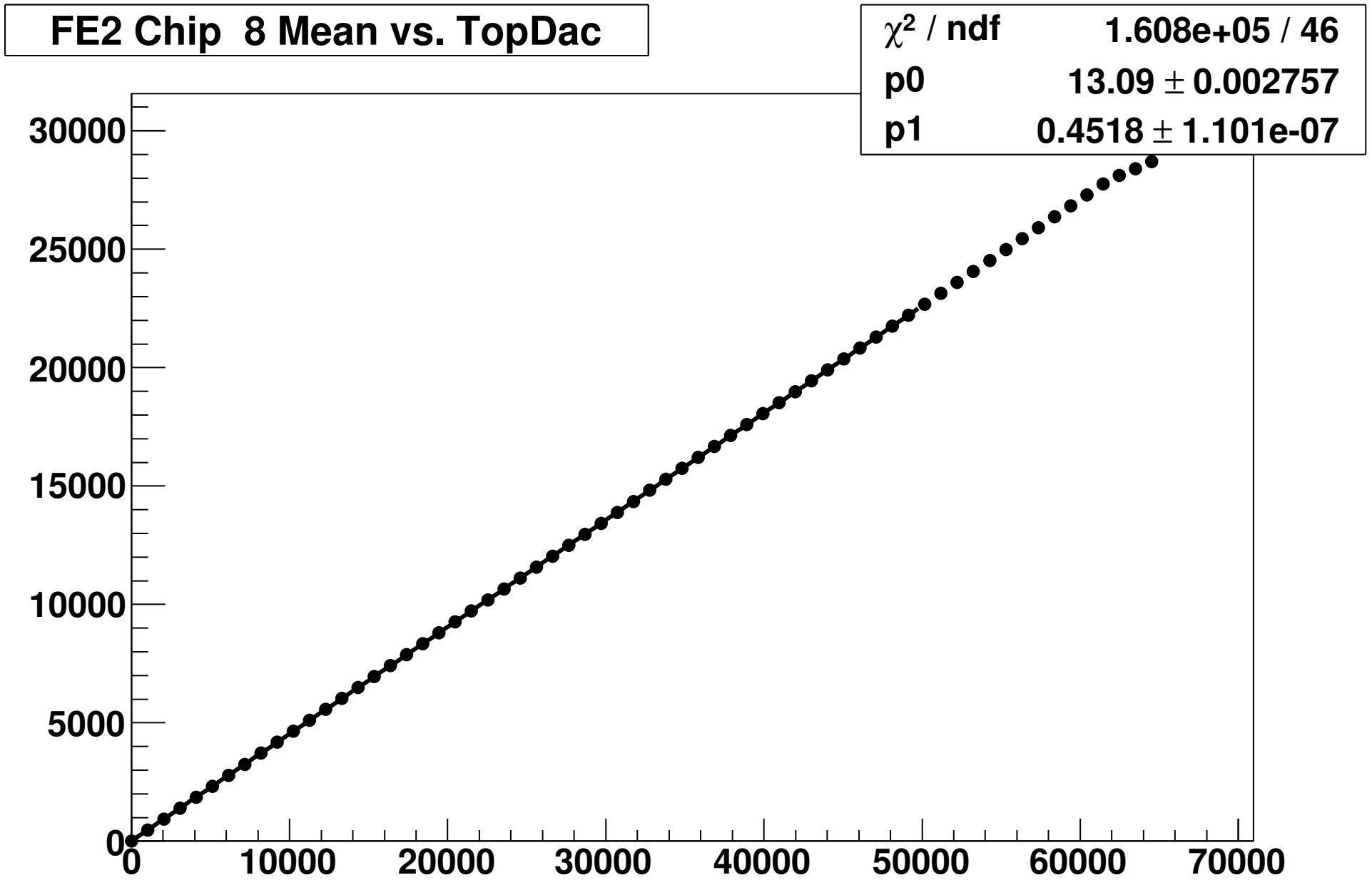

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 477.8 / 46
p0 1.527 ± 0.001446
p1 9.346e-06 ± 2.204e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

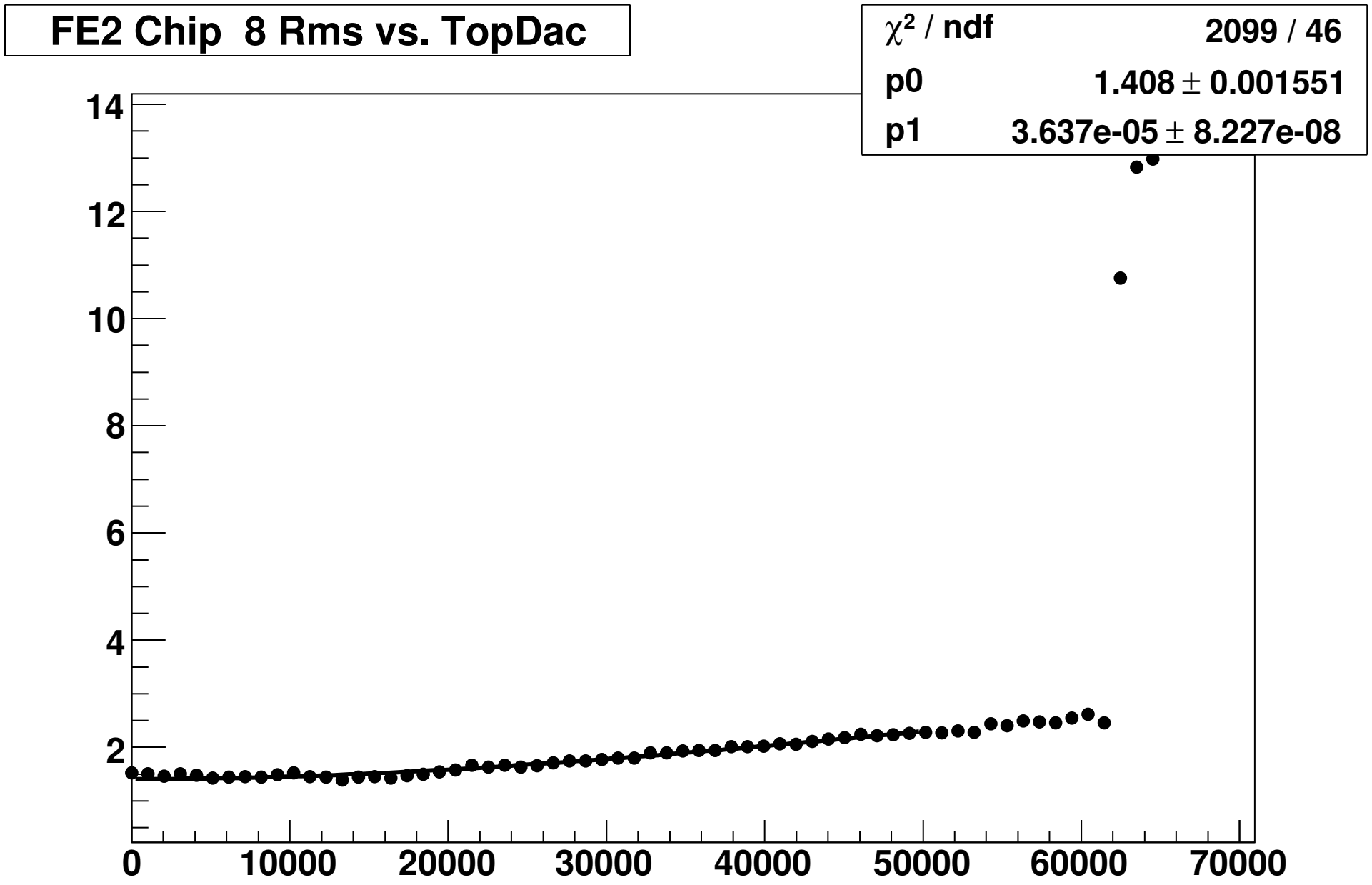

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 2.44e+05 / 46
p0 22.5 ± 0.002743
p1 0.452 ± 1.095e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

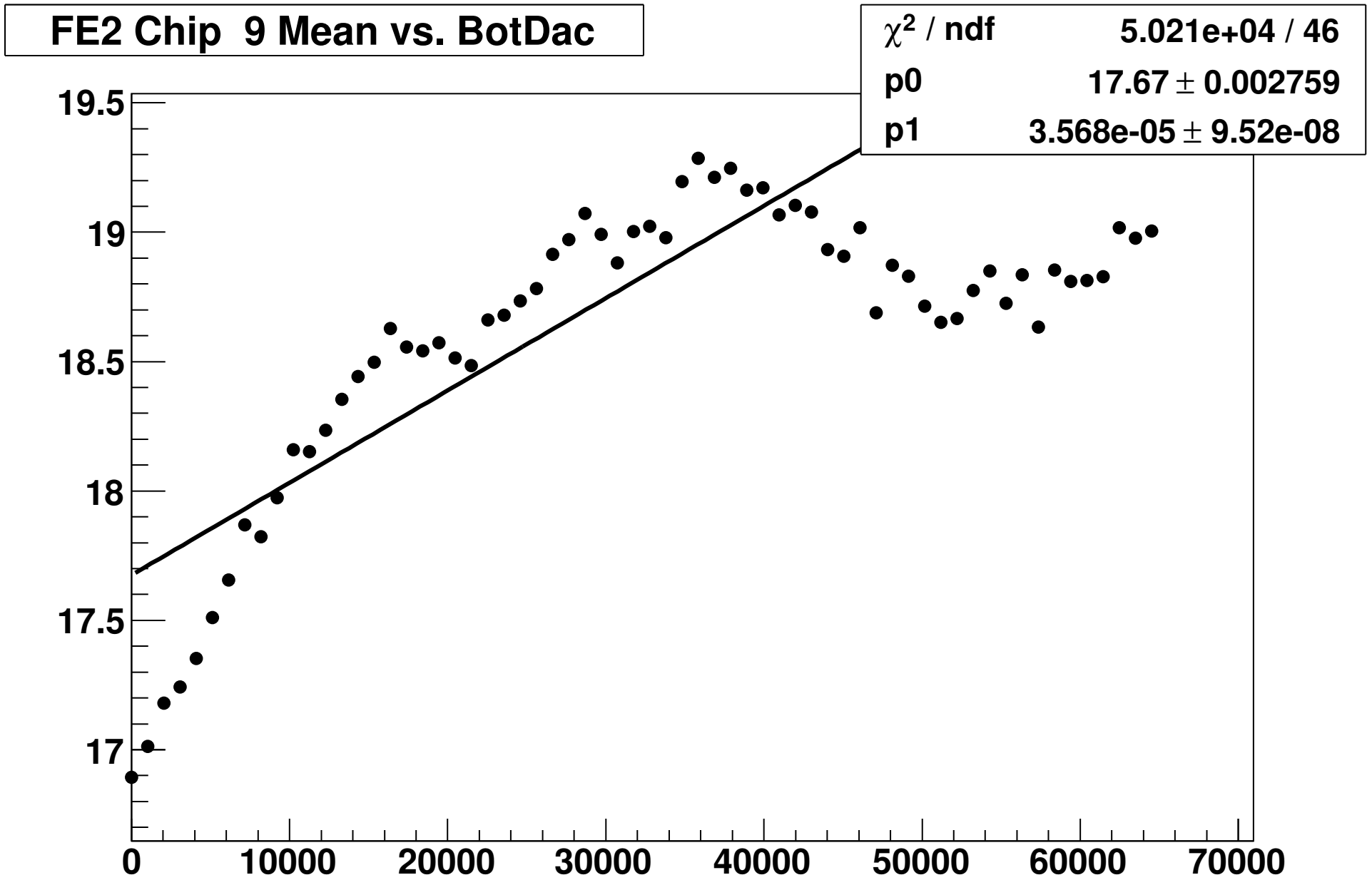

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 2378 / 46
p0 1.402 ± 0.001542
p1 3.61e-05 ± 8.19e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 4.936e+04 / 46
p0 13.97 ± 0.002735
p1 3.608e-05 ± 9.532e-08
15.5
15
14.5
14
13.5
13
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 80.7 / 46
p0 1.533 ± 0.001443
p1 5.842e-06 ± 3.46e-07
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.608e+05 / 46
p0 13.09 ± 0.002757
p1 0.4518 ± 1.101e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 2099 / 46
p0 1.408 ± 0.001551
p1 3.637e-05 ± 8.227e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 5.021e+04 / 46
p0 17.67 ± 0.002759
p1 3.568e-05 ± 9.52e-08
19.5
19
18.5
18
17.5
17
0
10000
20000
30000
40000
50000
60000
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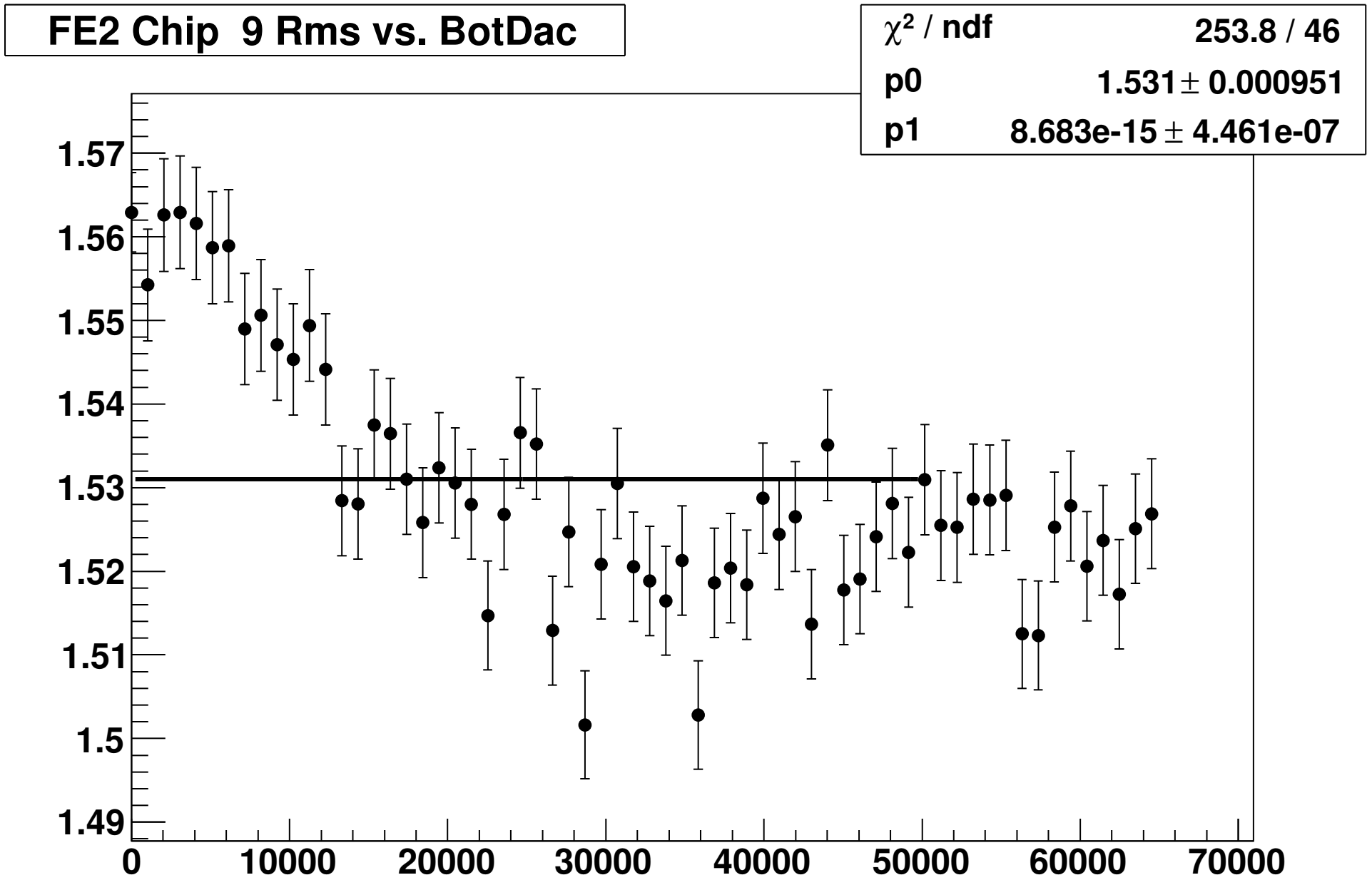
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 253.8 / 46
p0 1.531 ± 0.000951
p1 8.683e-15 ± 4.461e-07
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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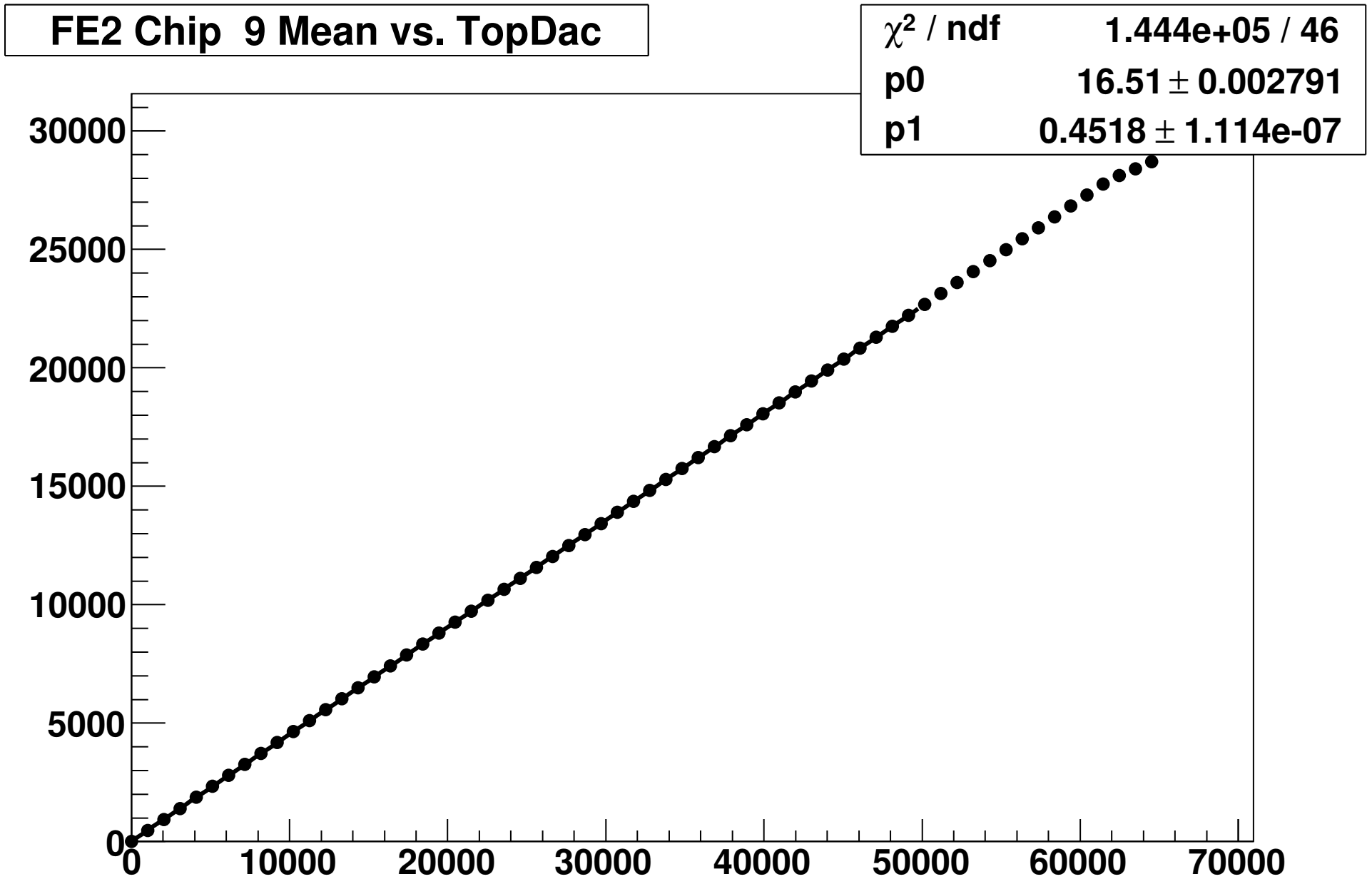
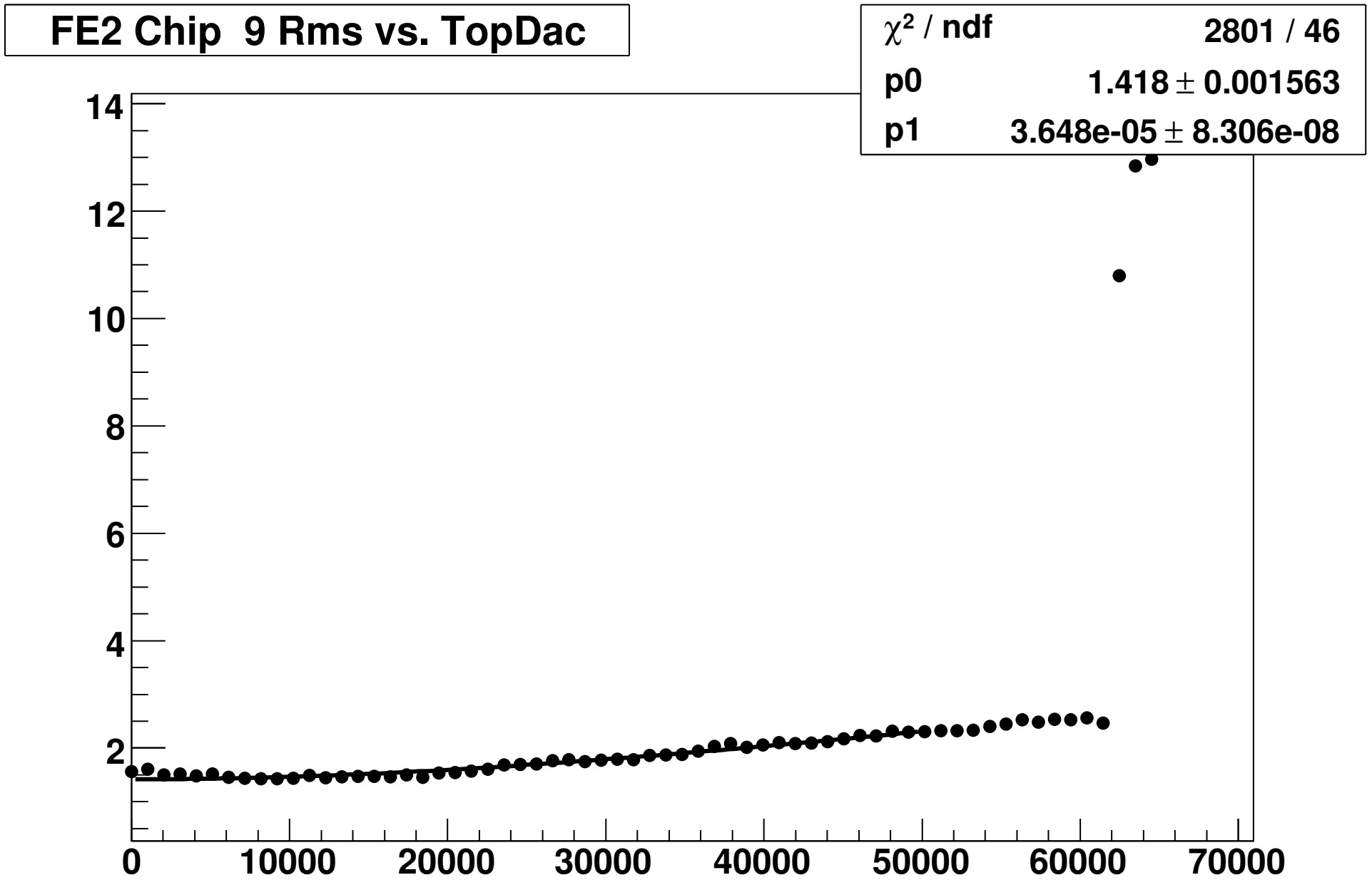

FE2 Chip 9 Mean vs. TopDac
χ² / ndf 1.444e+05 / 46
p0 16.51 ± 0.002791
p1 0.4518 ± 1.114e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 2801 / 46
p0 1.418 ± 0.001563
p1 3.648e-05 ± 8.306e-08
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12
10
8
6
4
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20000
30000
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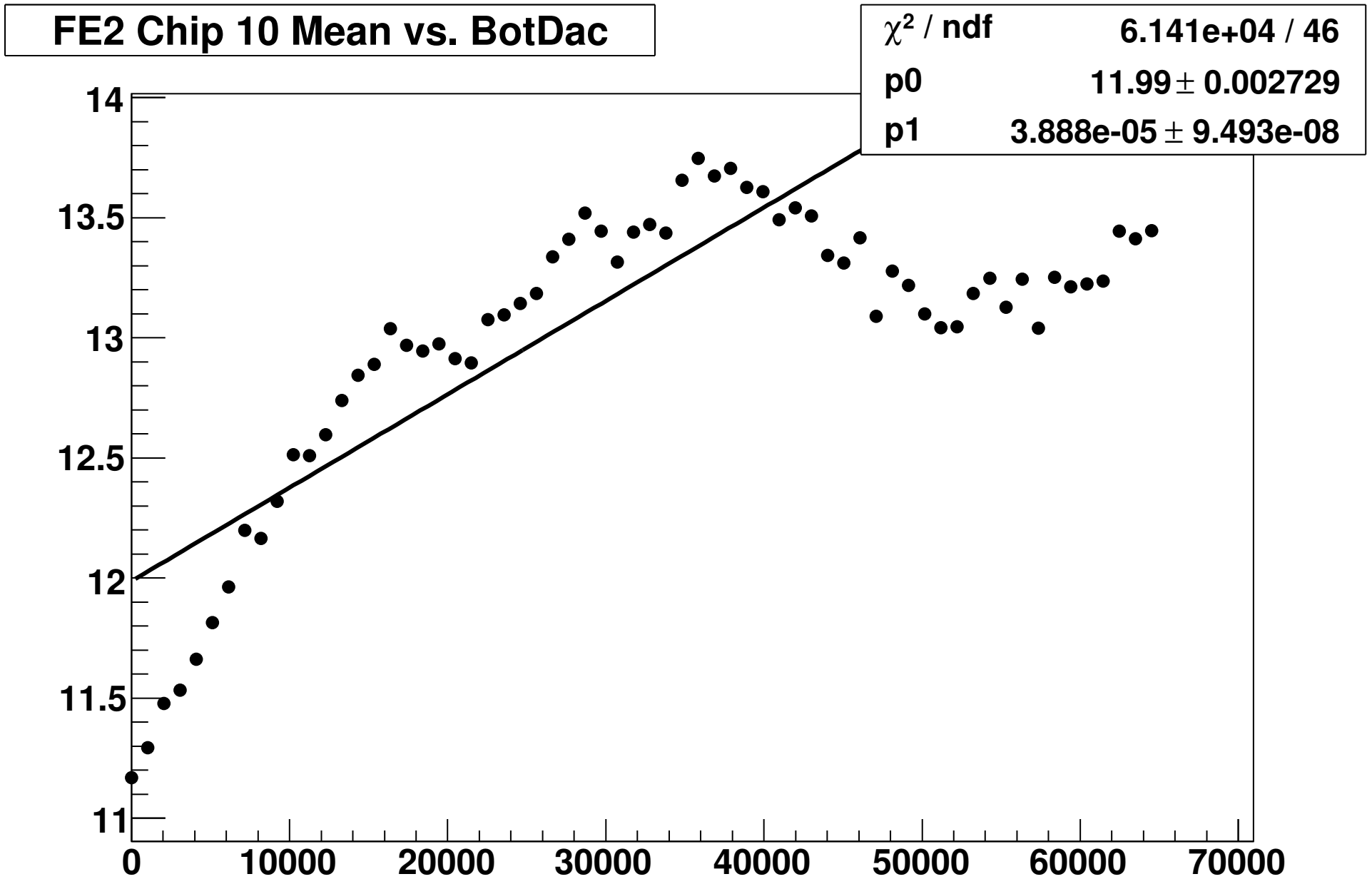
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 6.141e+04 / 46
p0 11.99 ± 0.002729
p1 3.888e-05 ± 9.493e-08
14
13.5
13
12.5
12
11.5
11
0
10000
20000
30000
40000
50000
60000
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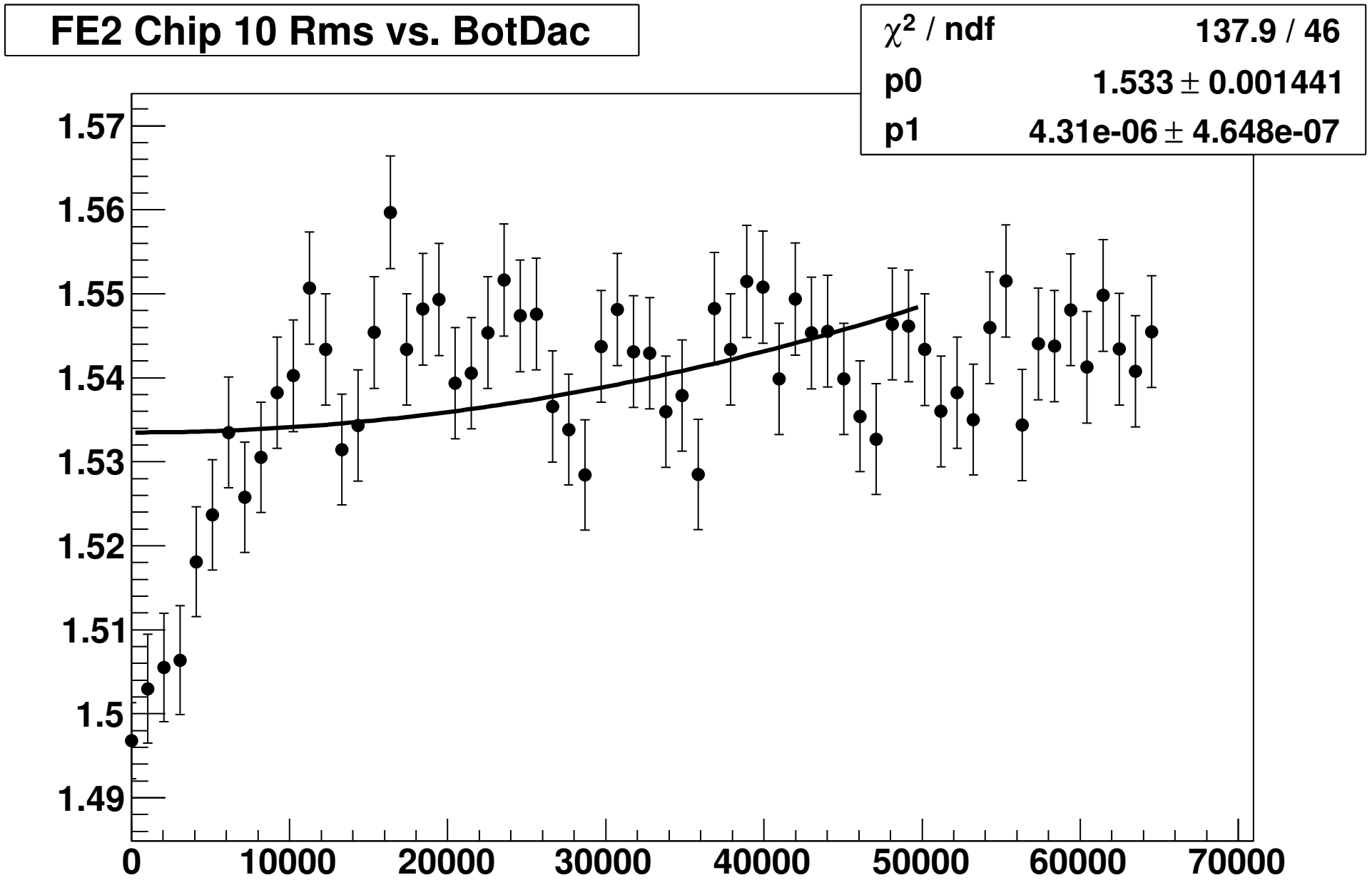
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 137.9 / 46
p0 1.533 ± 0.001441
p1 4.31e-06 ± 4.648e-07
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
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50000
60000
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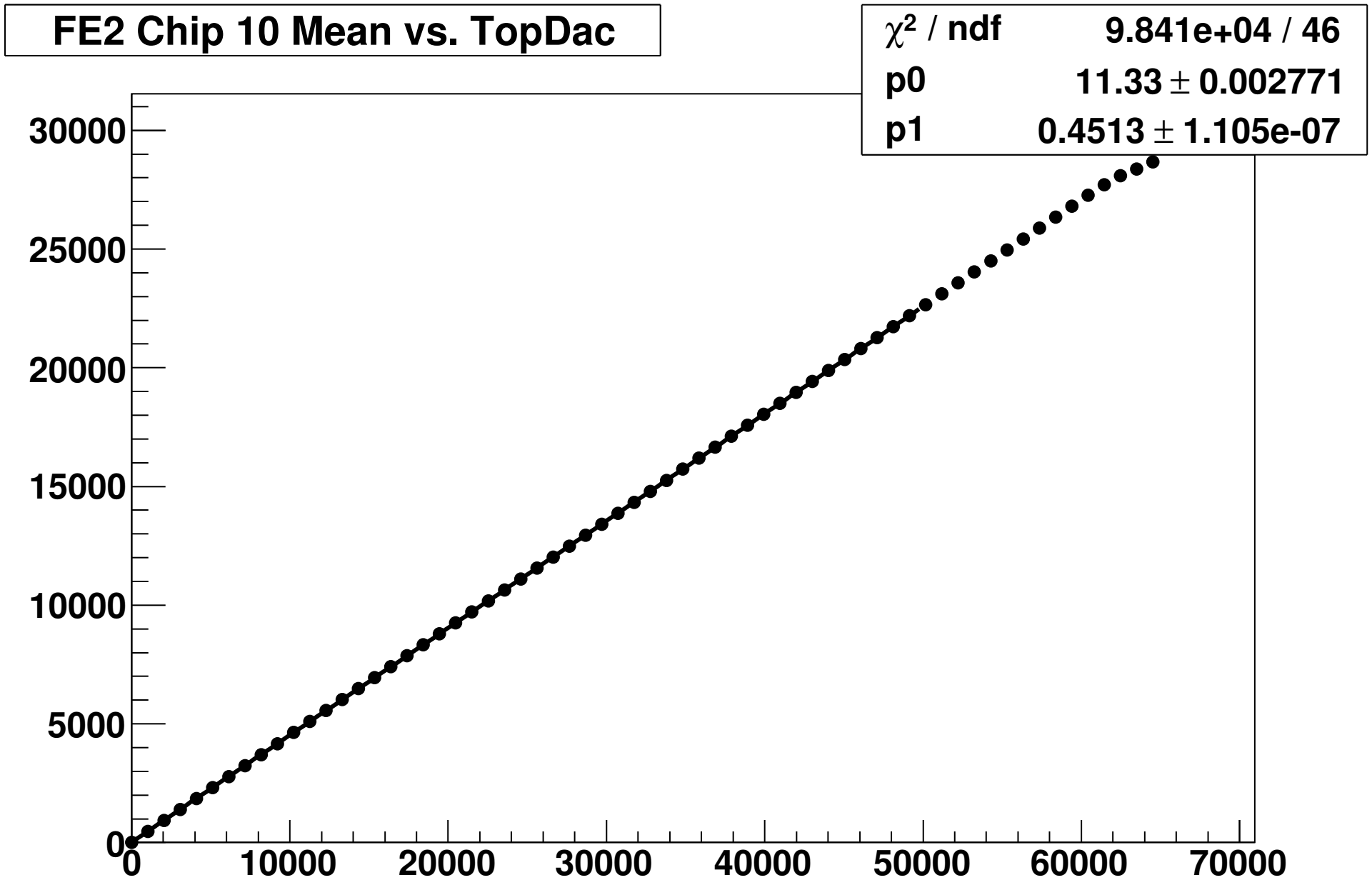
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 9.841e+04 / 46
p0 11.33 ± 0.002771
p1 0.4513 ± 1.105e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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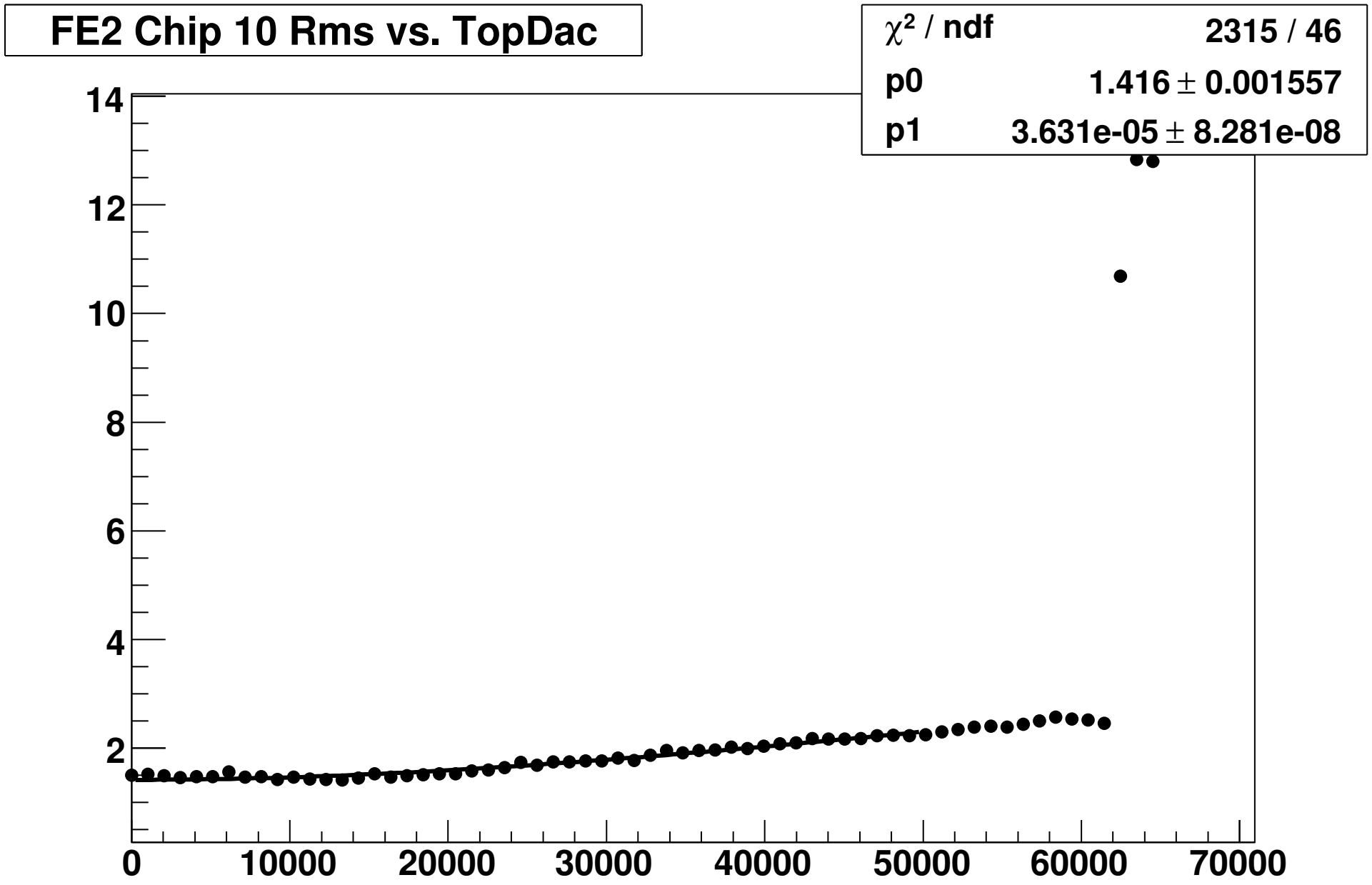
FE2 Chip 10 Rms vs. TopDac
χ² / ndf 2315 / 46
p0 1.416 ± 0.001557
p1 3.631e-05 ± 8.281e-08
14
12
10
8
6
4
2
0
10000
20000
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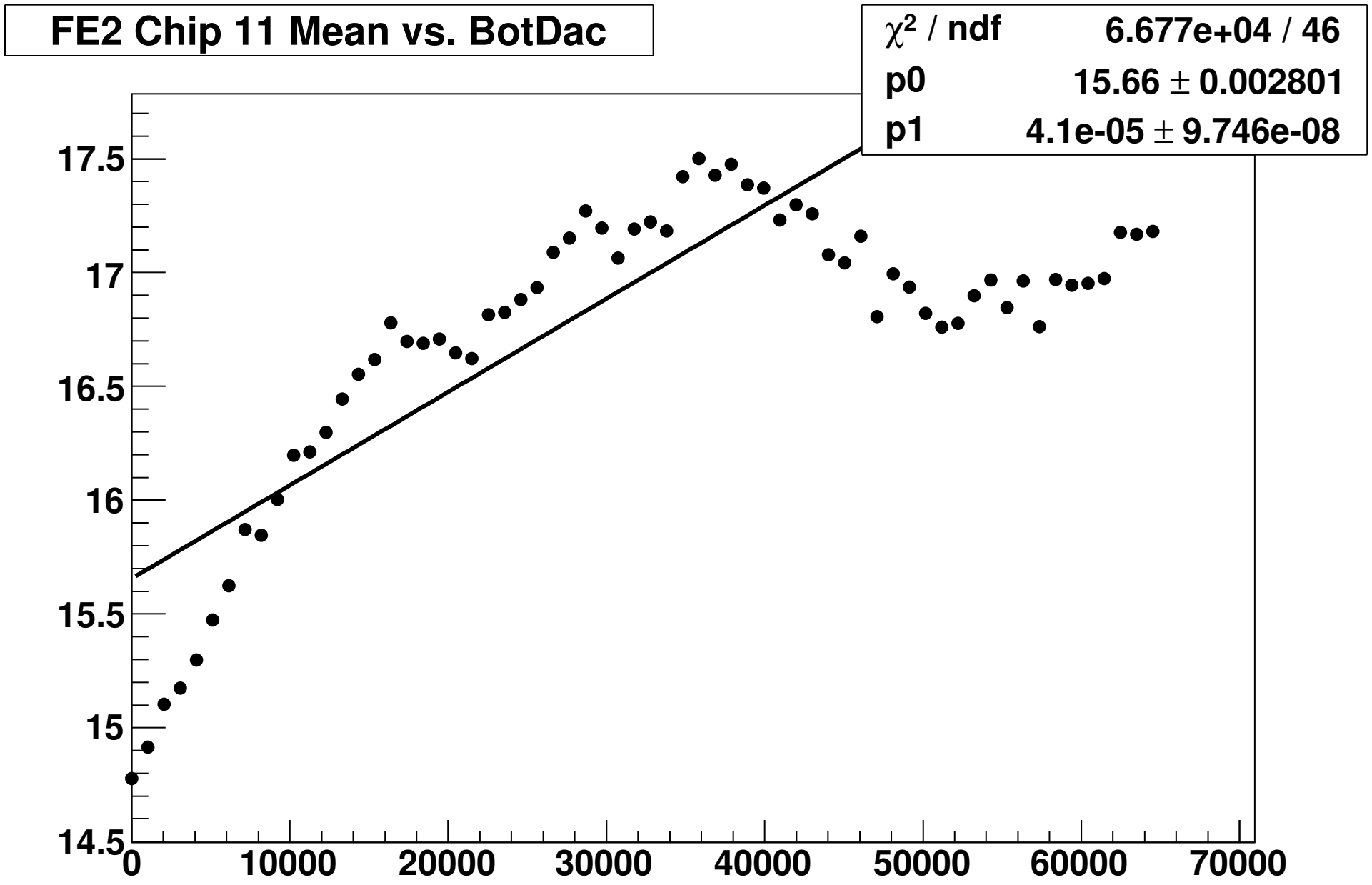
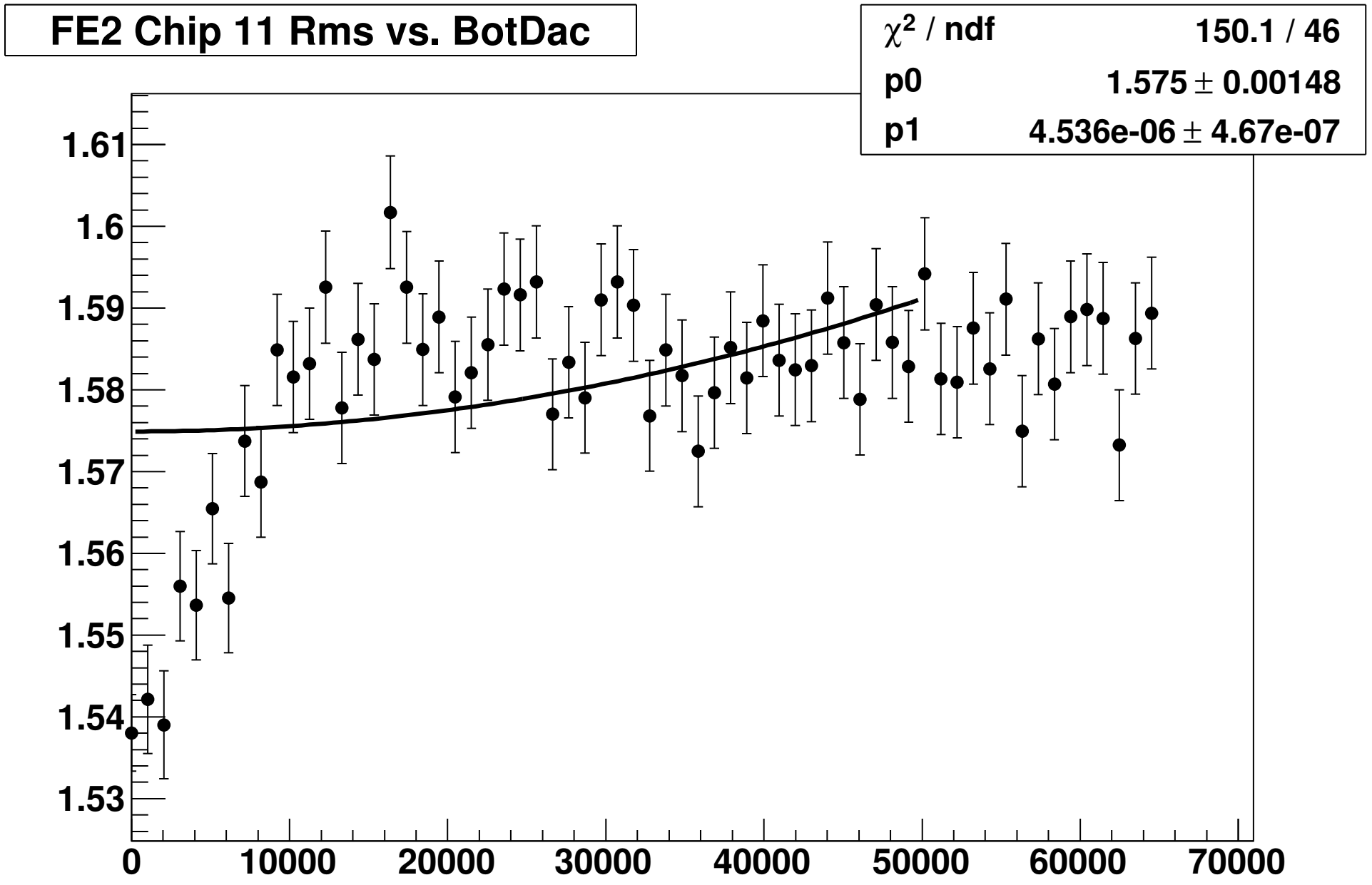

FE2 Chip 11 Mean vs. BotDac
χ² / ndf 6.677e+04 / 46
p0 15.66 ± 0.002801
p1 4.1e-05 ± 9.746e-08
17.5
17
16.5
16
15.5
15
14.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 150.1 / 46
p0 1.575 ± 0.00148
p1 4.536e-06 ± 4.67e-07
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
0
10000
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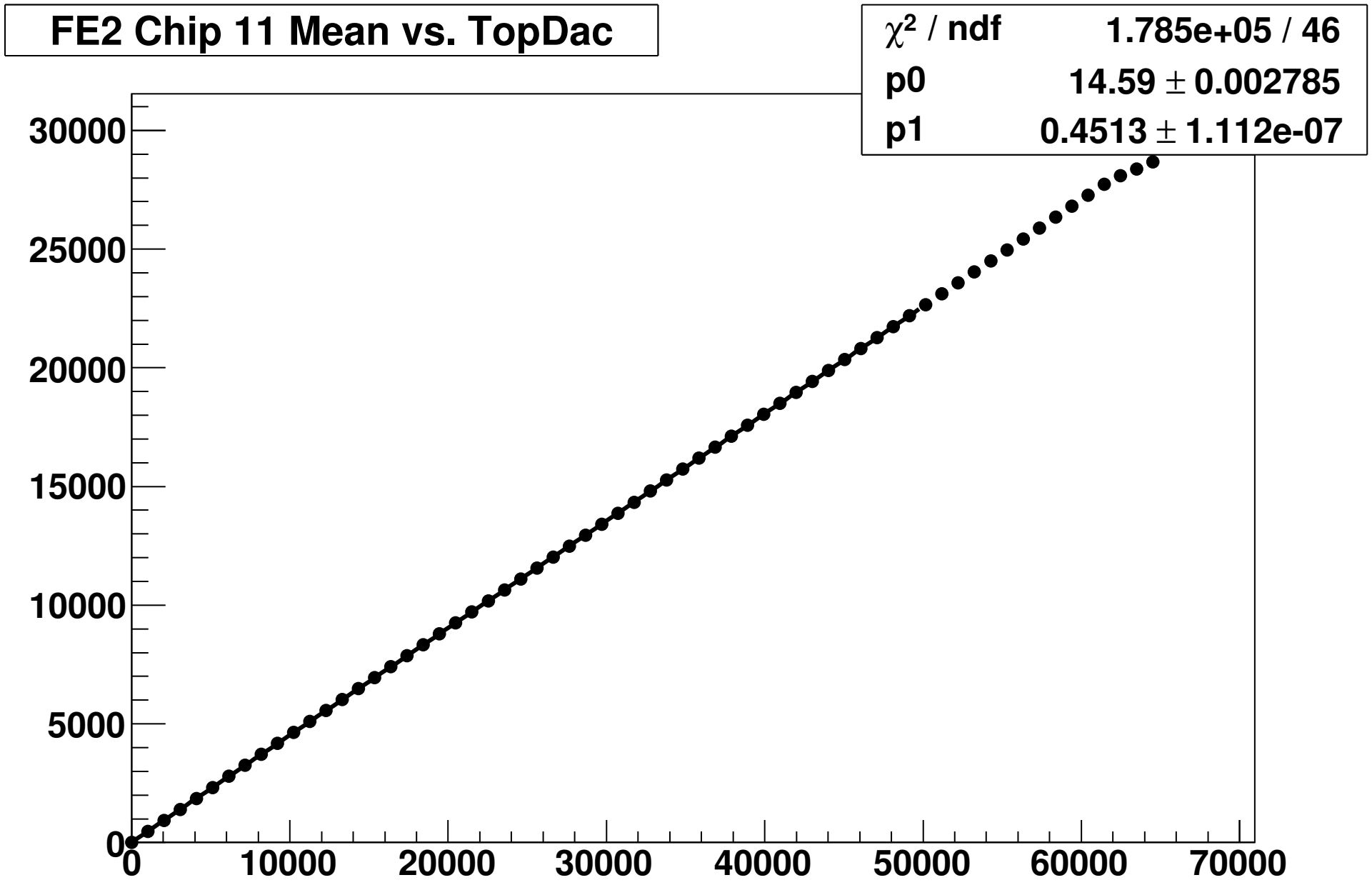
50000
60000
70000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.785e+05 / 46
p0 14.59 ± 0.002785
p1 0.4513 ± 1.112e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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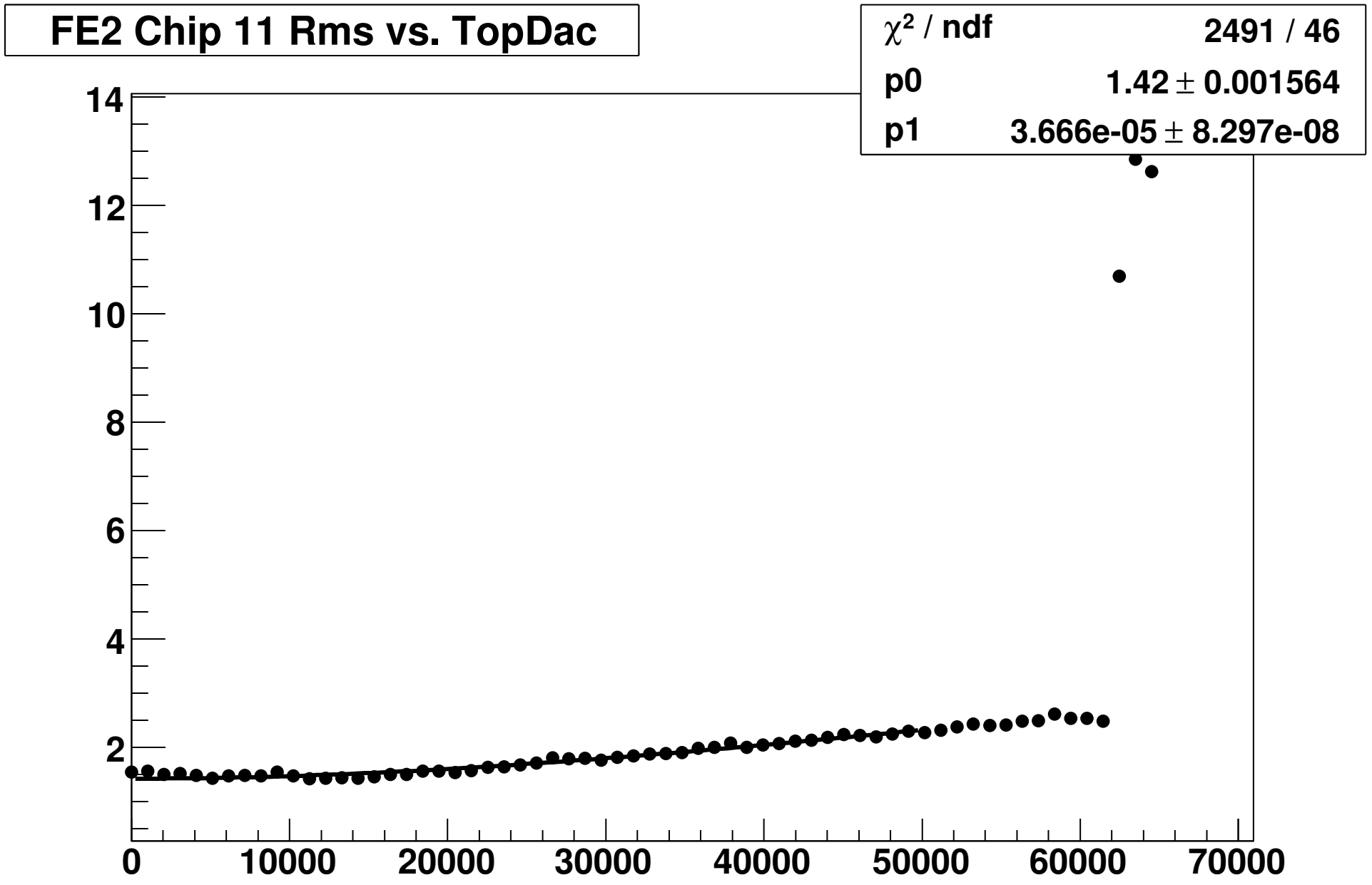
FE2 Chip 11 Rms vs. TopDac
χ² / ndf 2491 / 46
p0 1.42 ± 0.001564
p1 3.666e-05 ± 8.297e-08
14
12
10
8
6
4
2
0
10000
20000
30000
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50000
60000
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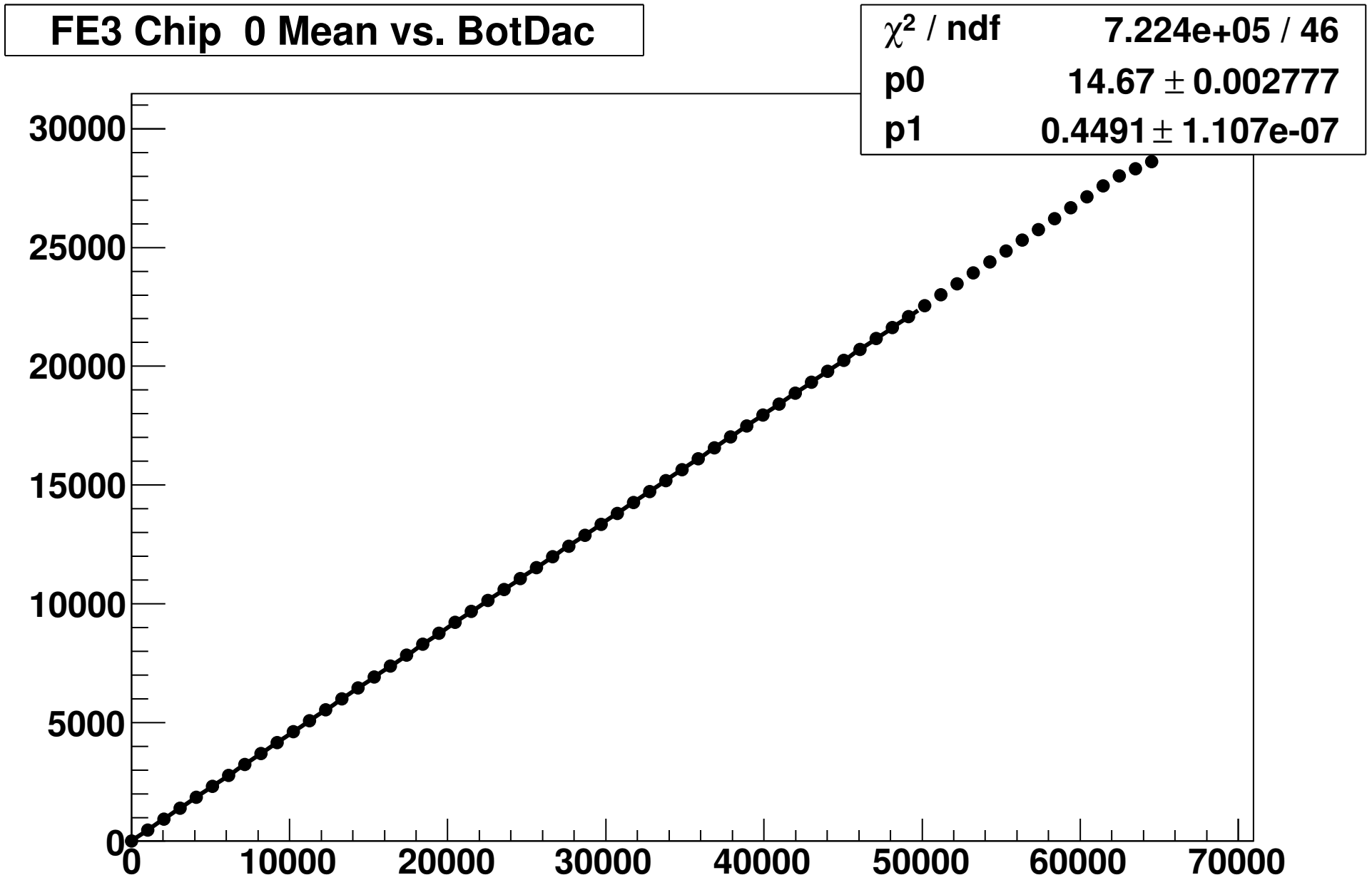
FE3 Chip 0 Mean vs. BotDac
χ² / ndf 7.224e+05 / 46
p0 14.67 ± 0.002777
p1 0.4491 ± 1.107e-07
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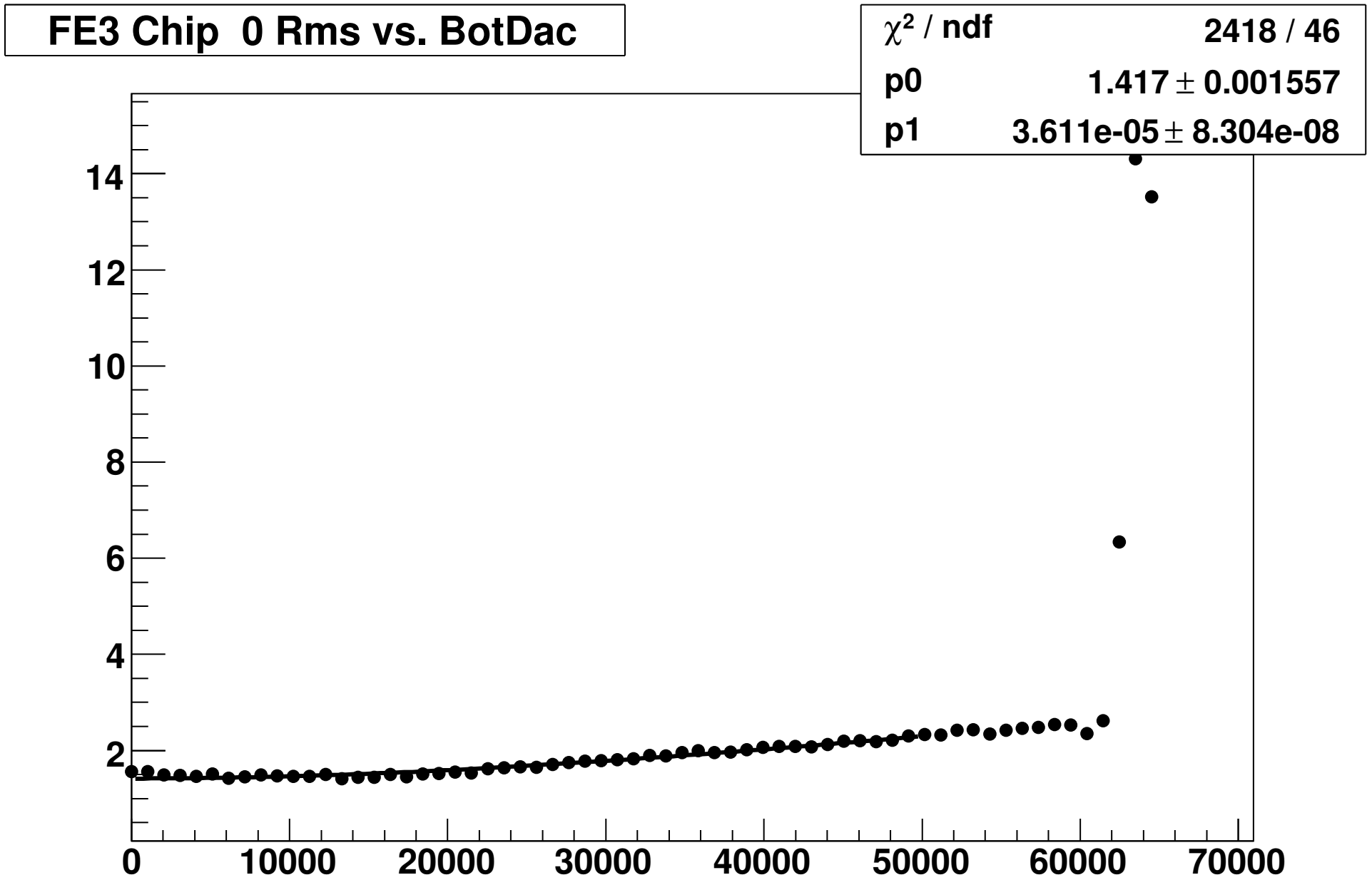
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 2418 / 46
p0 1.417 ± 0.001557
p1 3.611e-05 ± 8.304e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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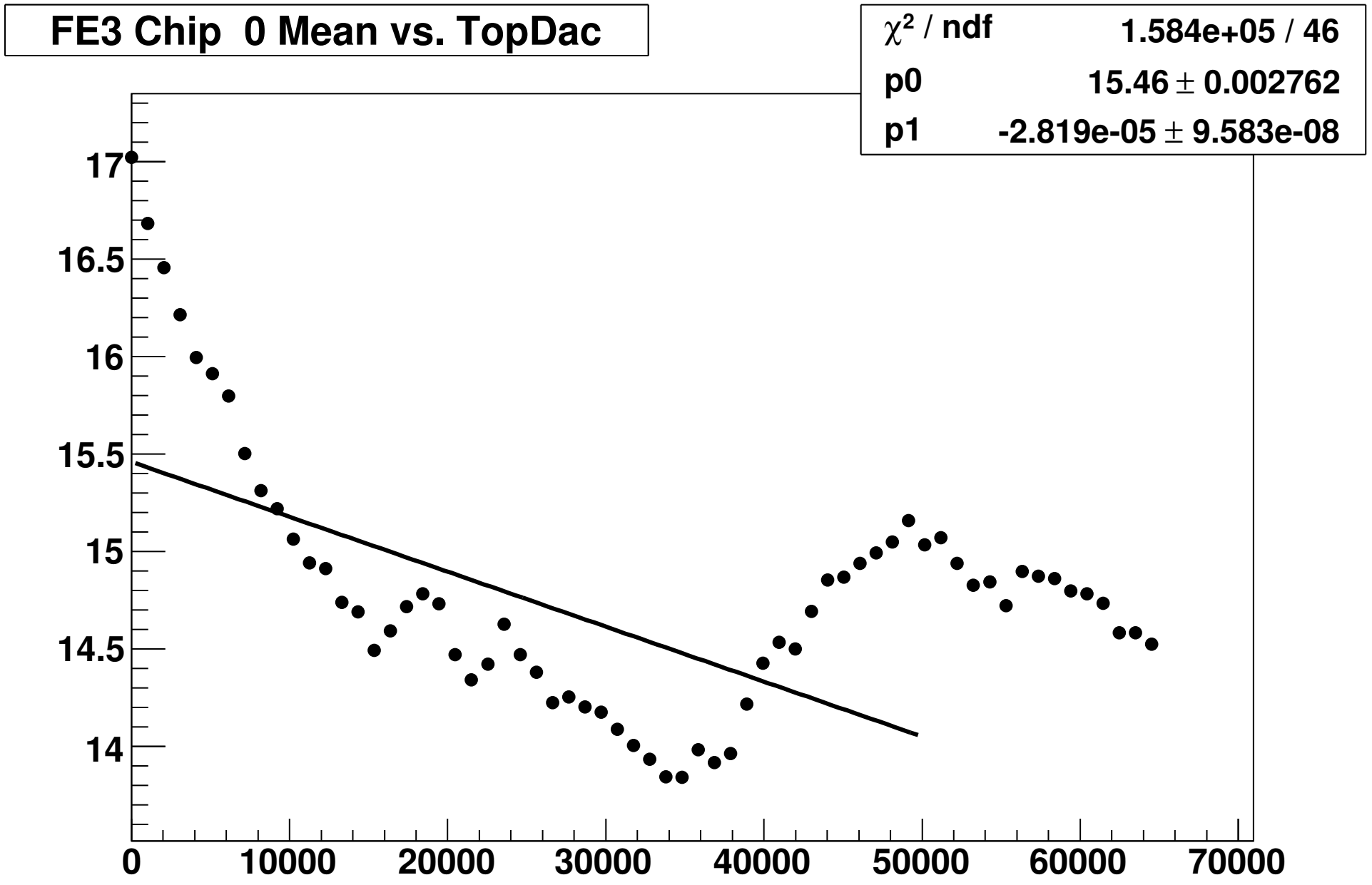
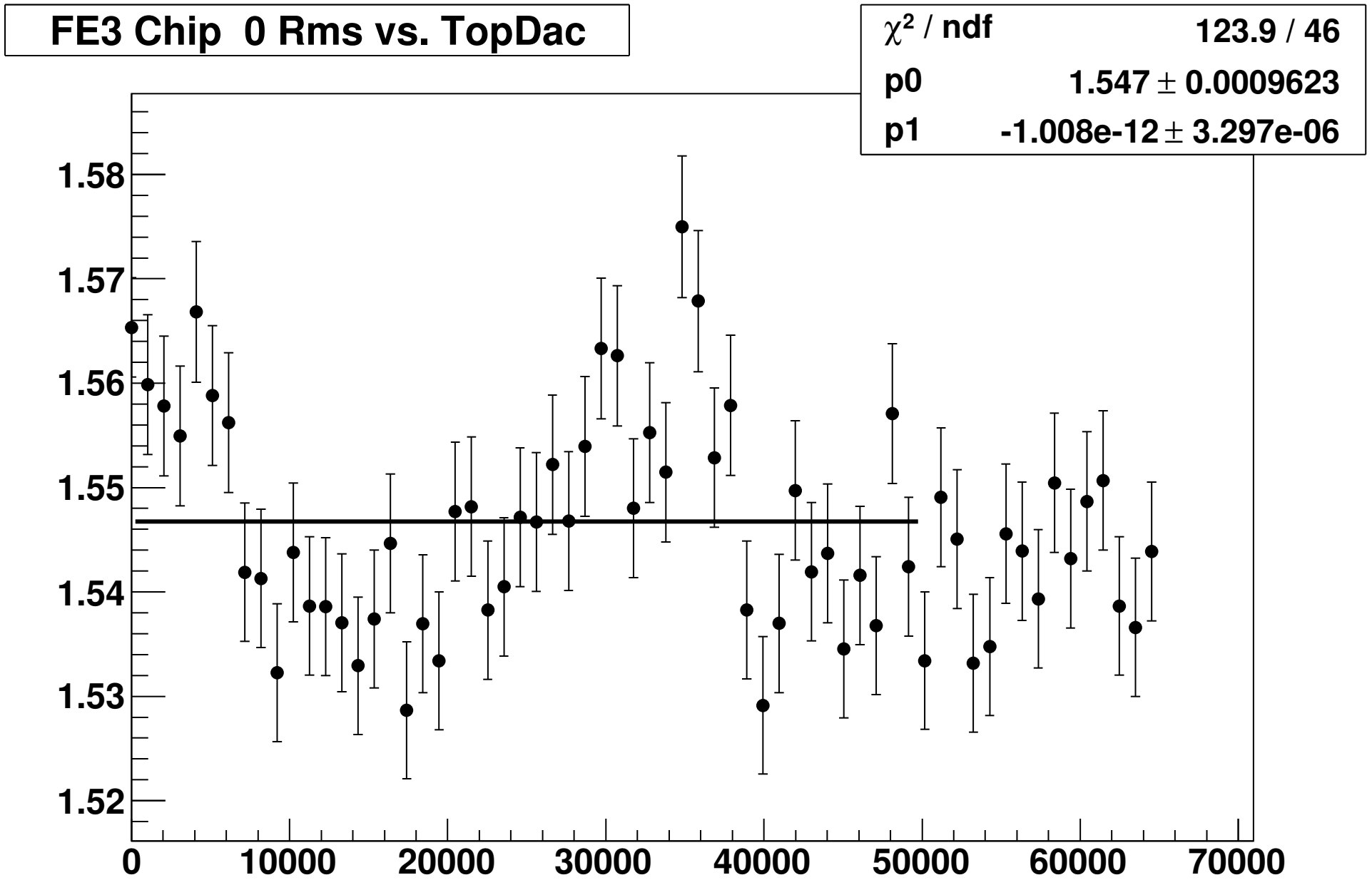
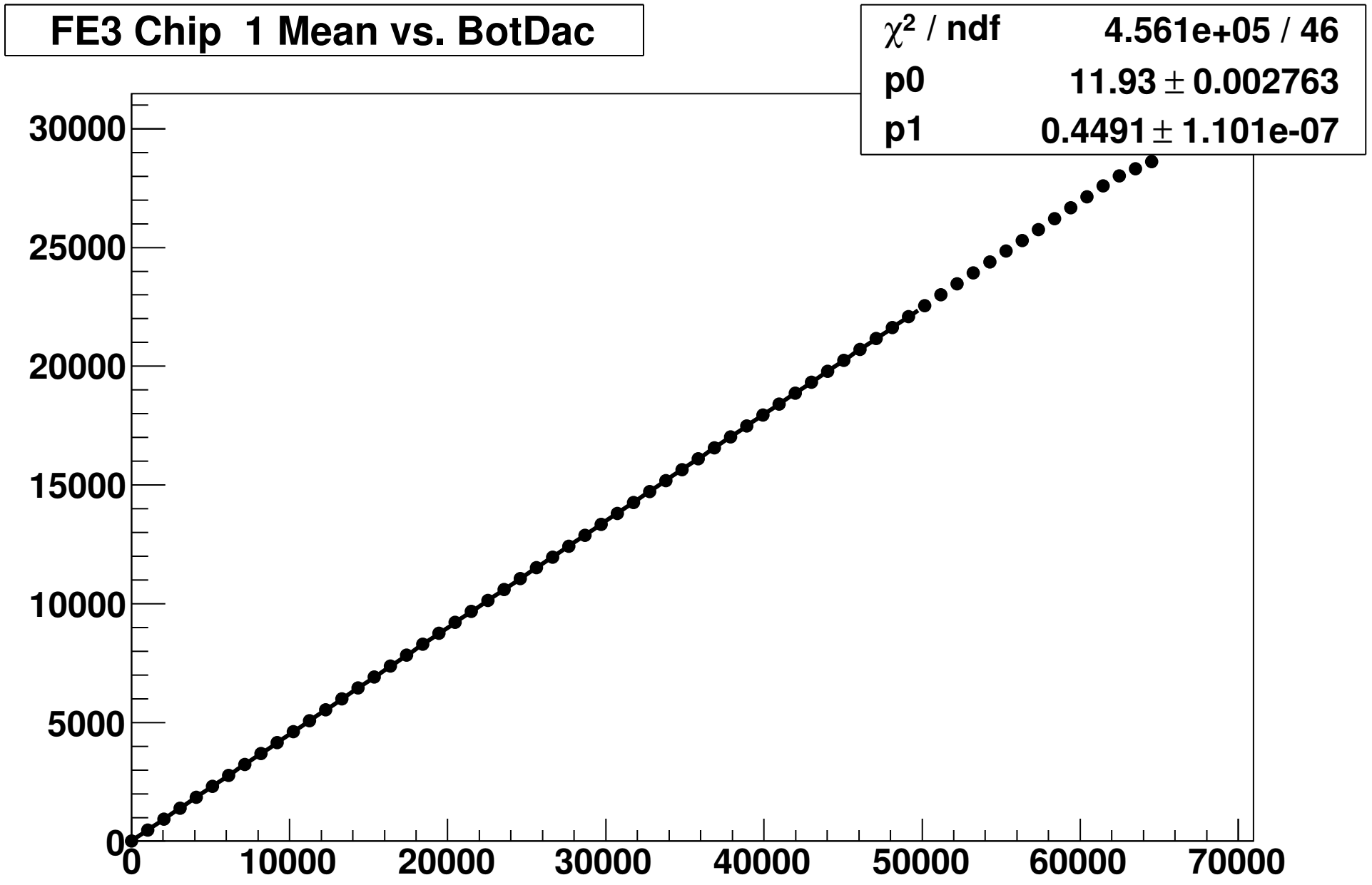
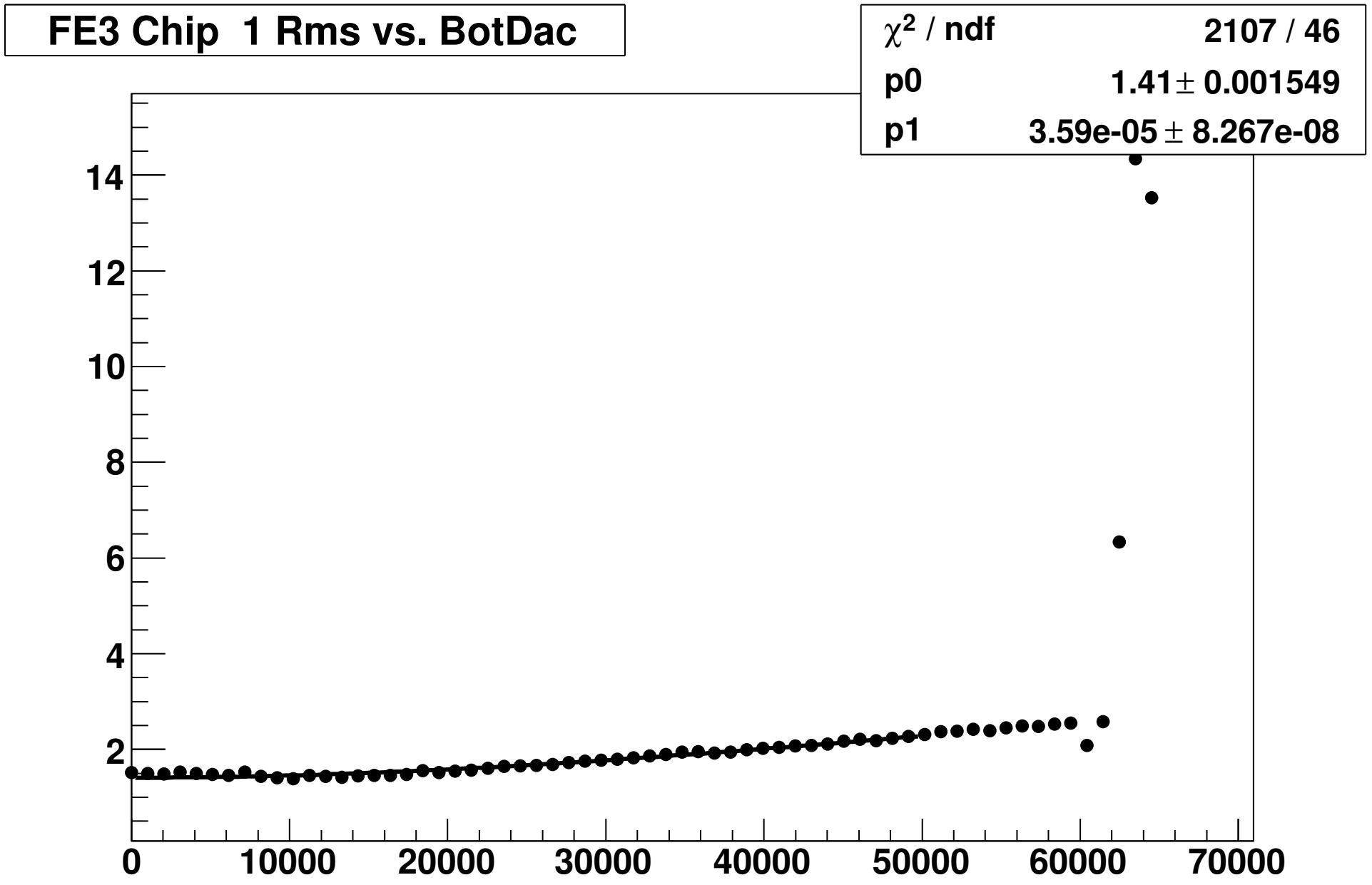

FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1.584e+05 / 46
p0 15.46 ± 0.002762
p1 -2.819e-05 ± 9.583e-08
17
16.5
16
15.5
15
14.5
14
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 123.9 / 46
p0 1.547 ± 0.0009623
p1 -1.008e-12 ± 3.297e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. BotDac
χ² / ndf 4.561e+05 / 46
p0 11.93 ± 0.002763
p1 0.4491 ± 1.101e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 2107 / 46
p0 1.41 ± 0.001549
p1 3.59e-05 ± 8.267e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
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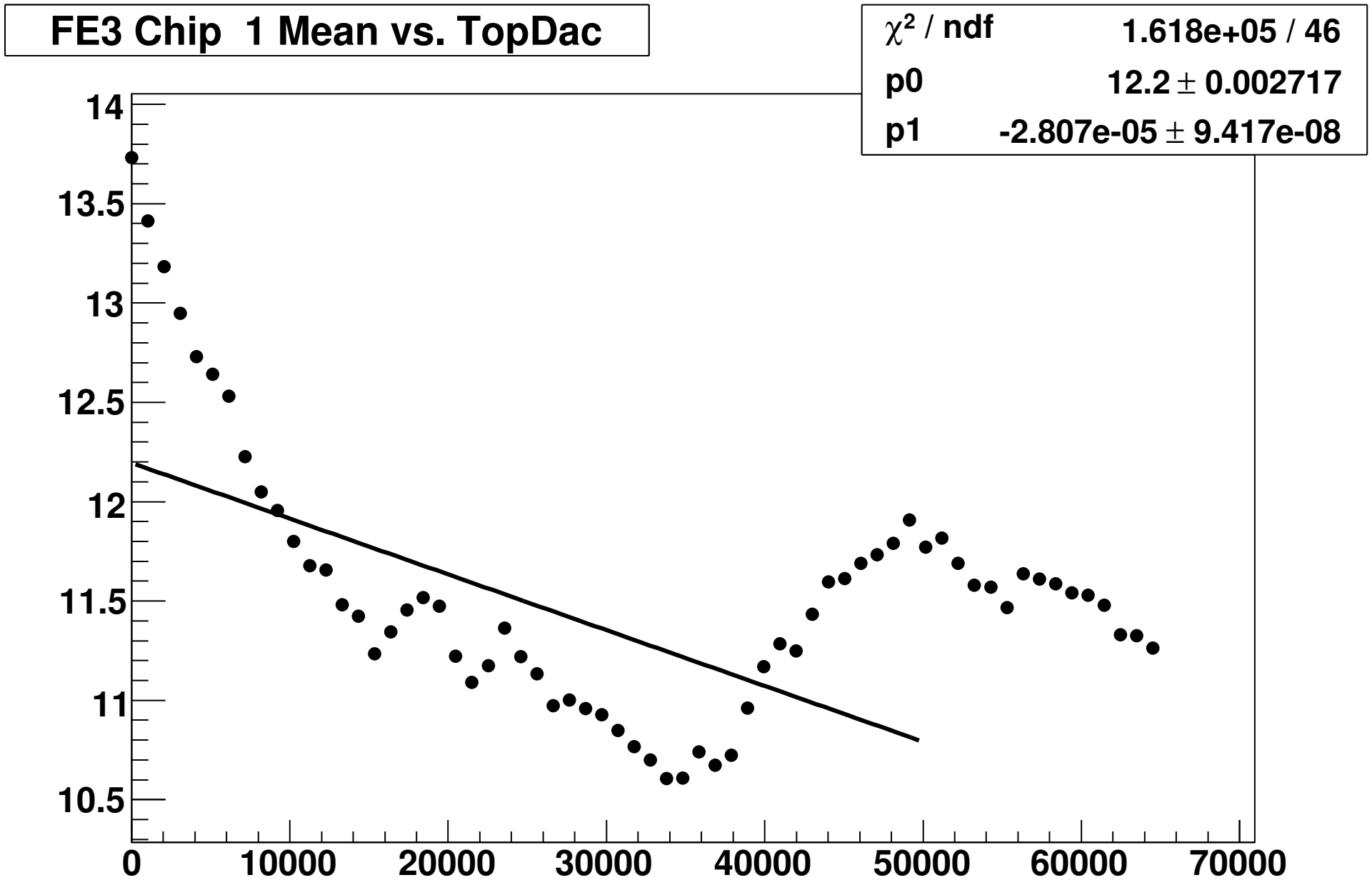
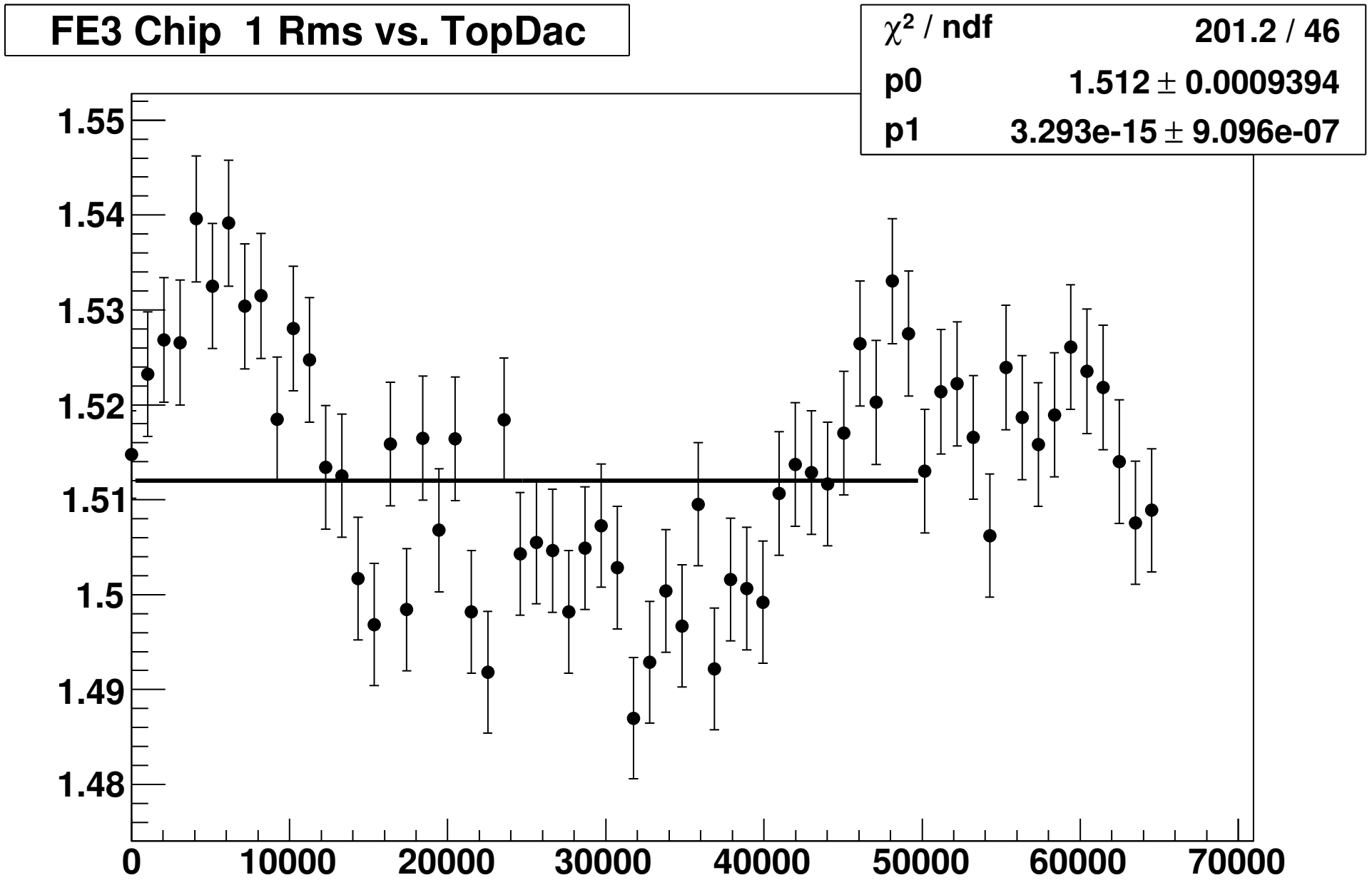
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1.618e+05 / 46
p0 12.2 ± 0.002717
p1 -2.807e-05 ± 9.417e-08
14
13.5
13
12.5
12
11.5
11
10.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 201.2 / 46
p0 1.512 ± 0.0009394
p1 3.293e-15 ± 9.096e-07
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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50000
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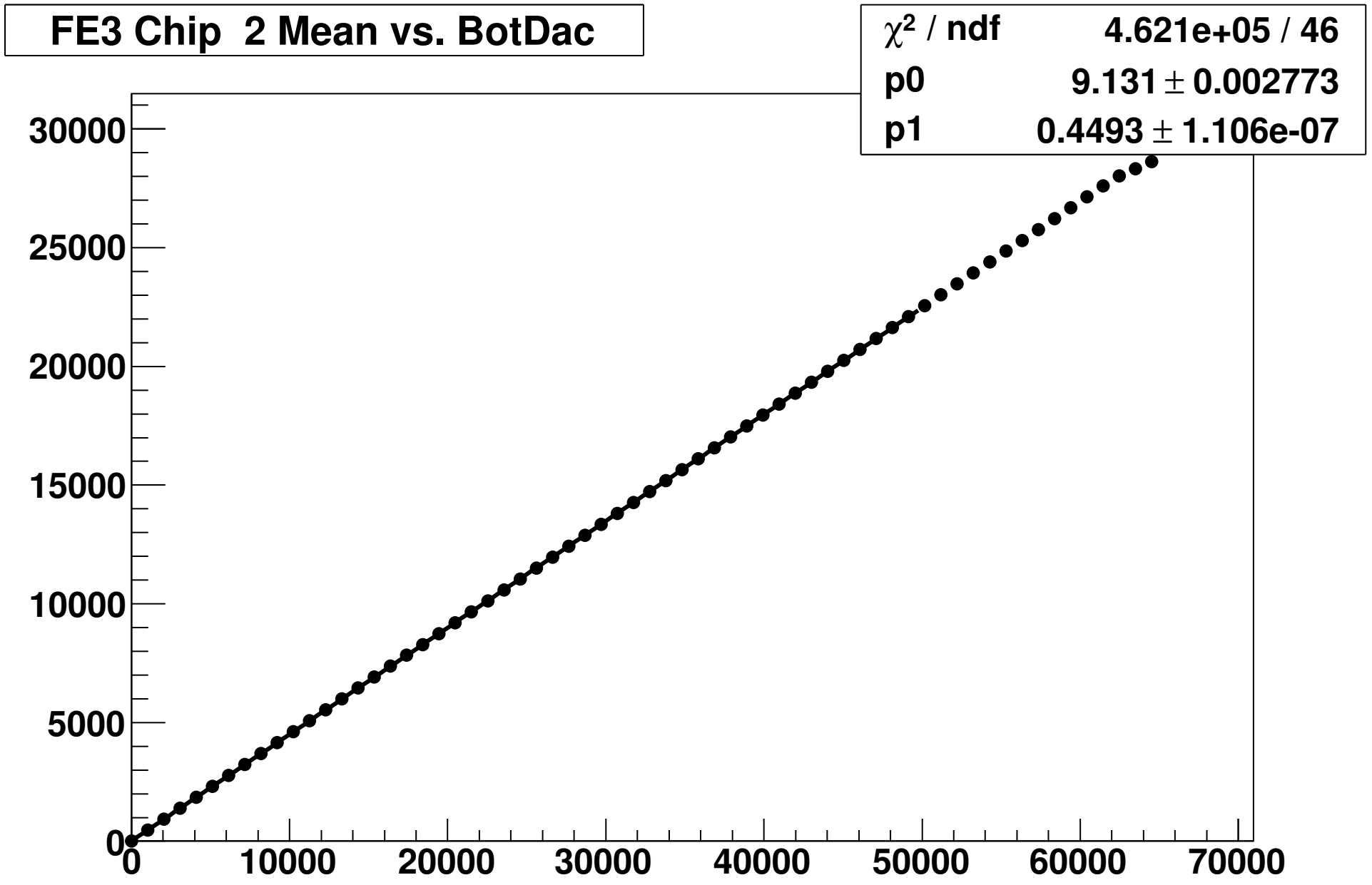
FE3 Chip 2 Mean vs. BotDac
χ² / ndf 4.621e+05 / 46
p0 9.131 ± 0.002773
p1 0.4493 ± 1.106e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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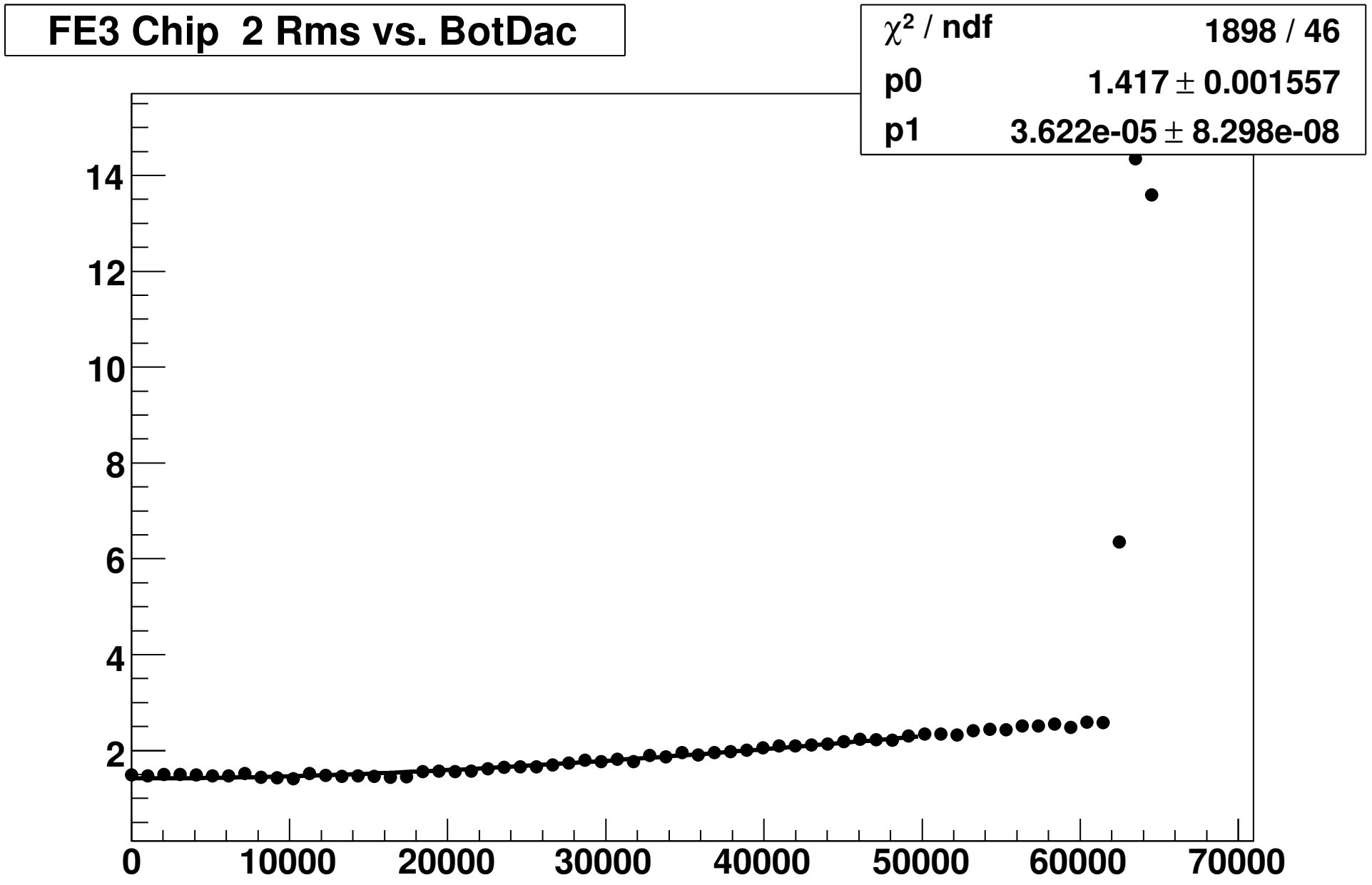
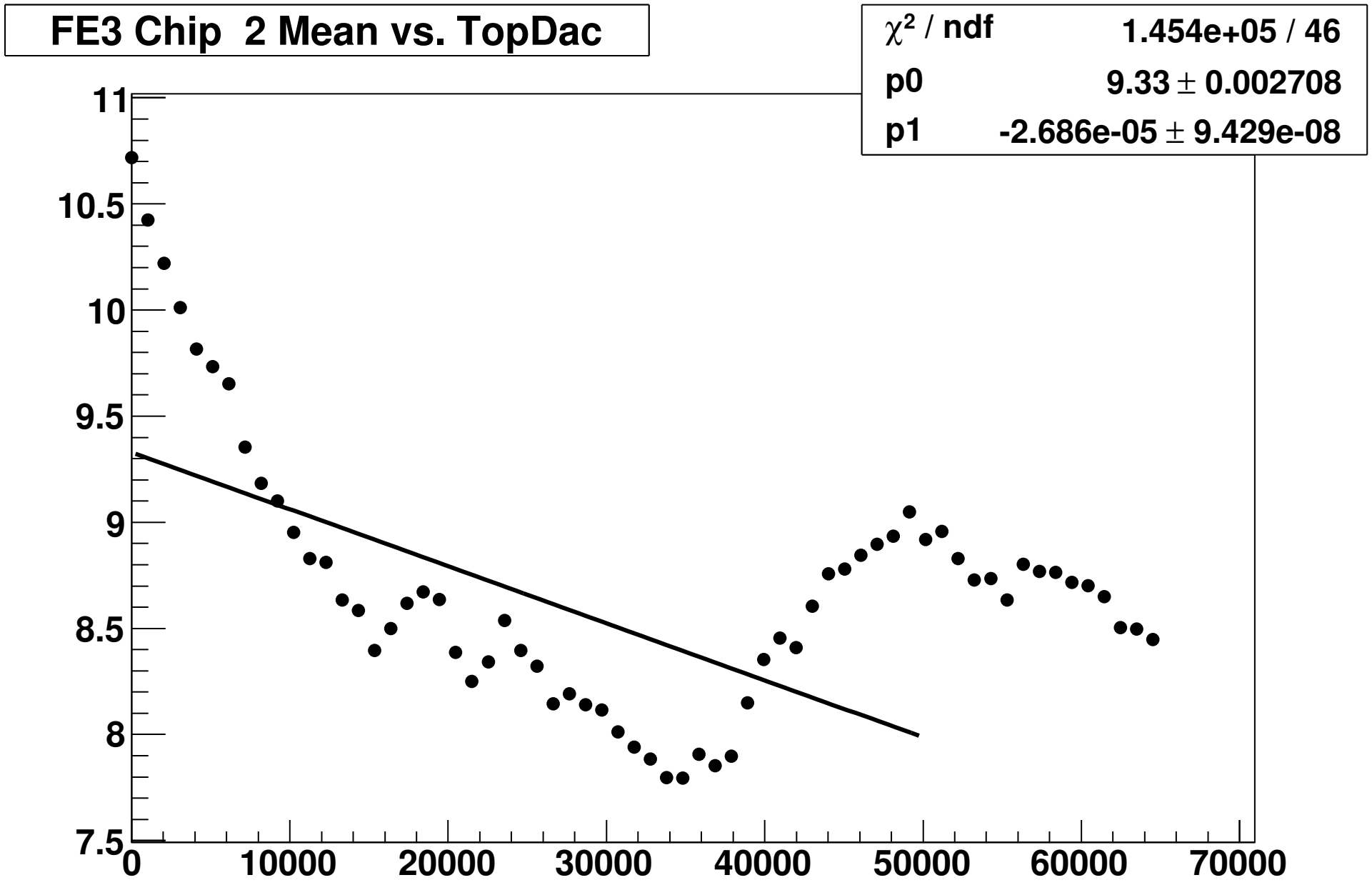
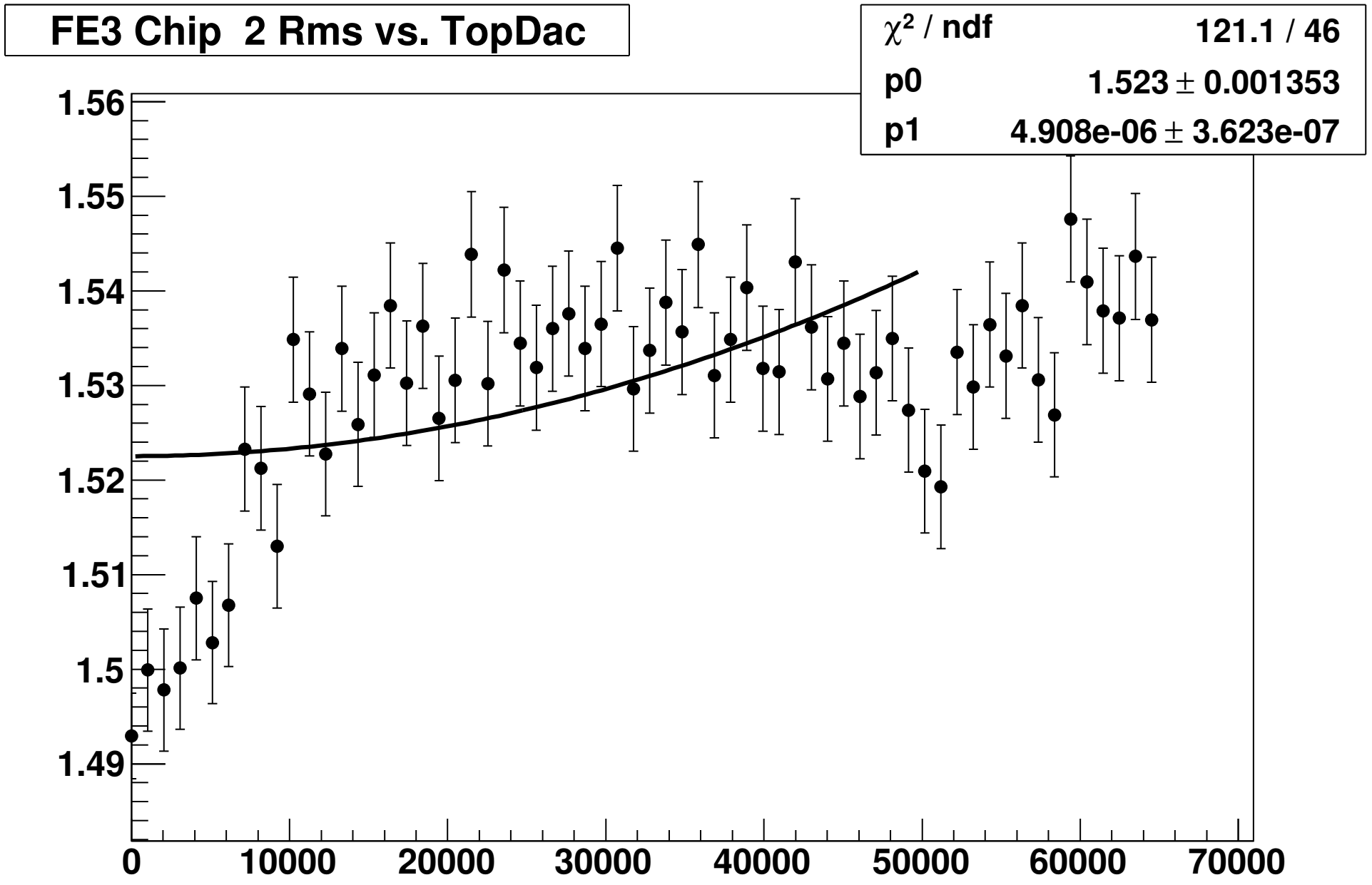
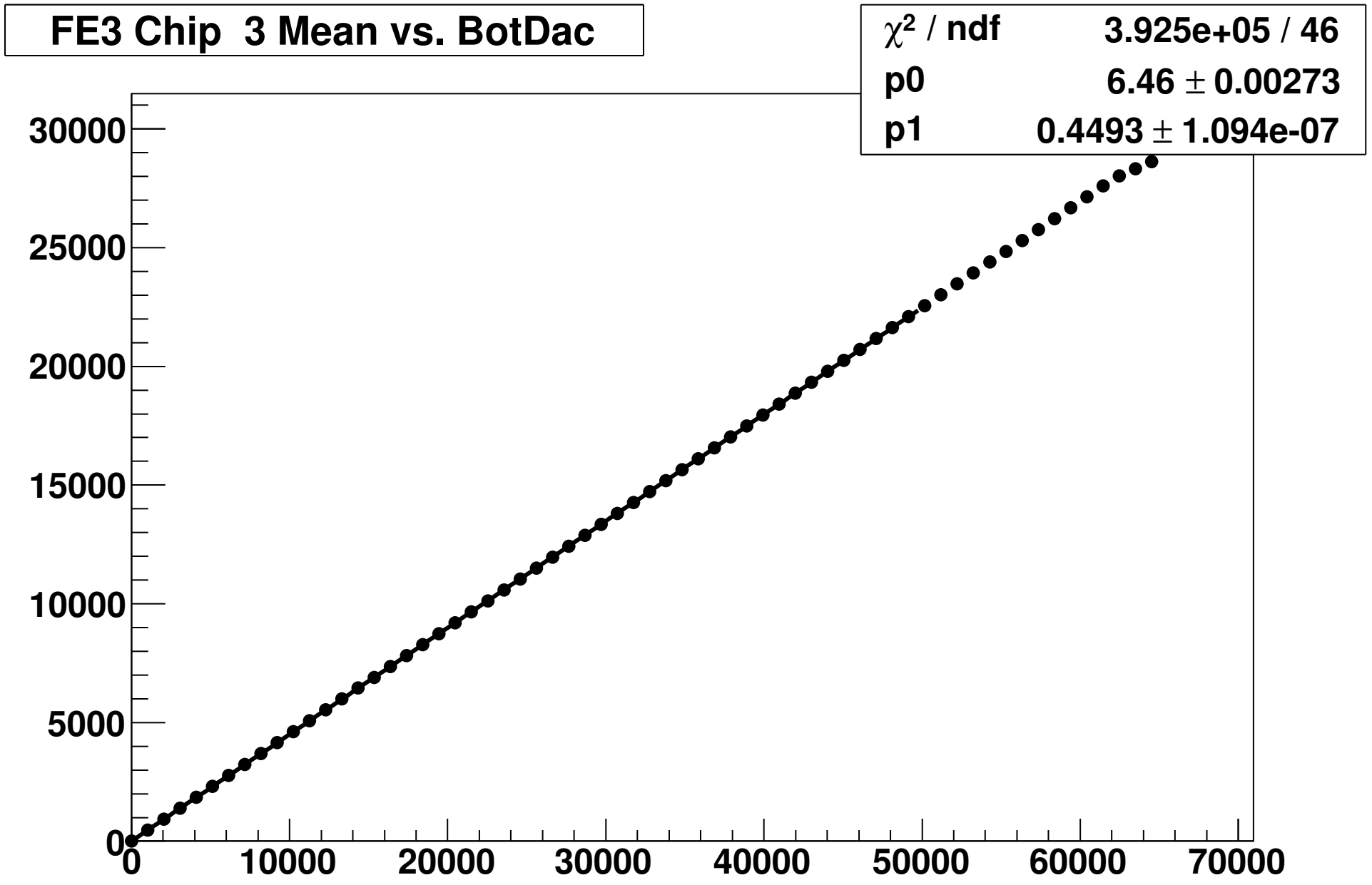
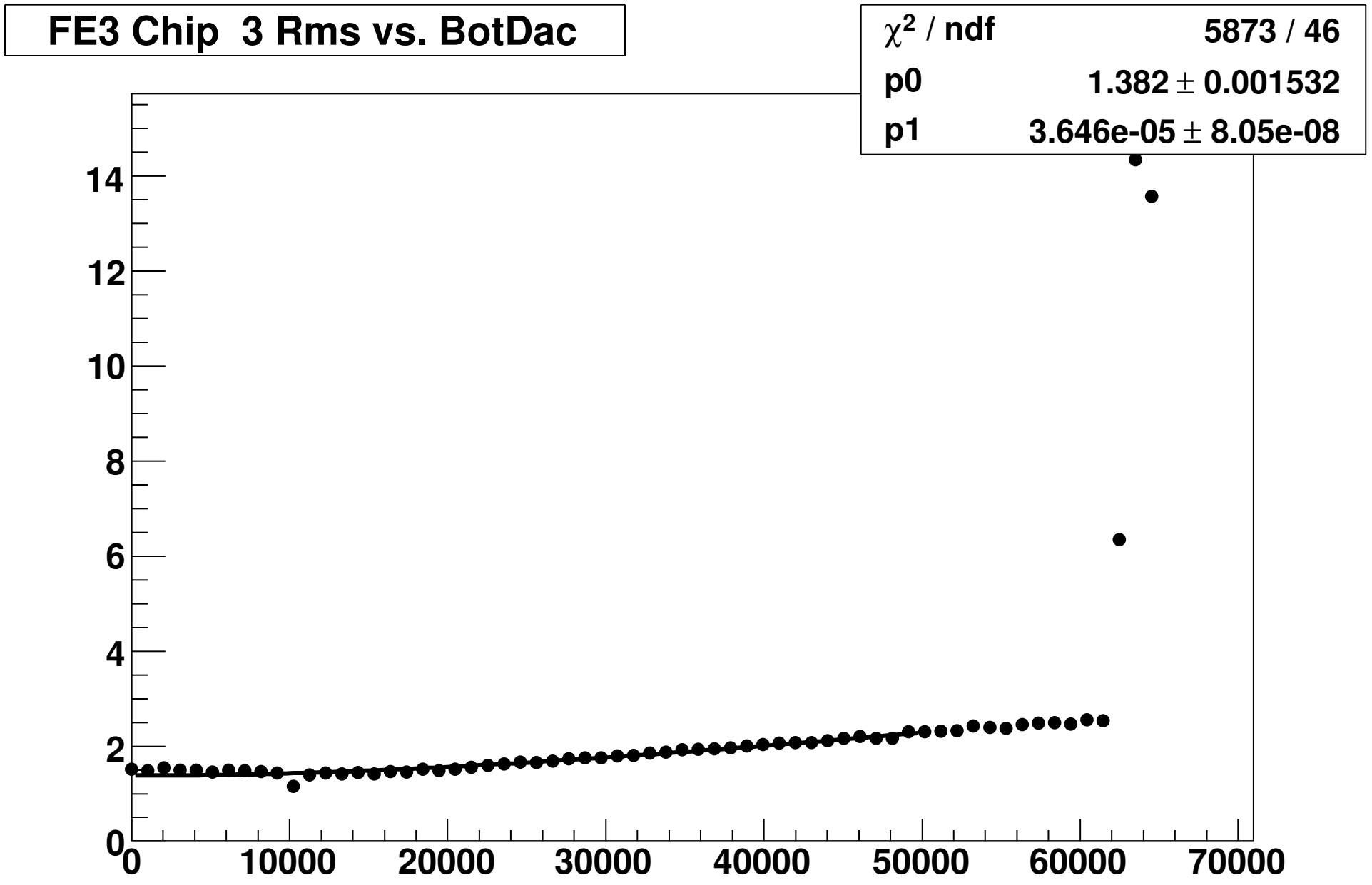
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1898 / 46
p0 1.417 ± 0.001557
p1 3.622e-05 ± 8.298e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1.454e+05 / 46
p0 9.33 ± 0.002708
p1 -2.686e-05 ± 9.429e-08
11
10.5
10
9.5
9
8.5
8
7.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 121.1 / 46
p0 1.523 ± 0.001353
p1 4.908e-06 ± 3.623e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 3.925e+05 / 46
p0 6.46 ± 0.00273
p1 0.4493 ± 1.094e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 5873 / 46
p0 1.382 ± 0.001532
p1 3.646e-05 ± 8.05e-08
0
2
4
6
8
10
12
14
0
10000
20000
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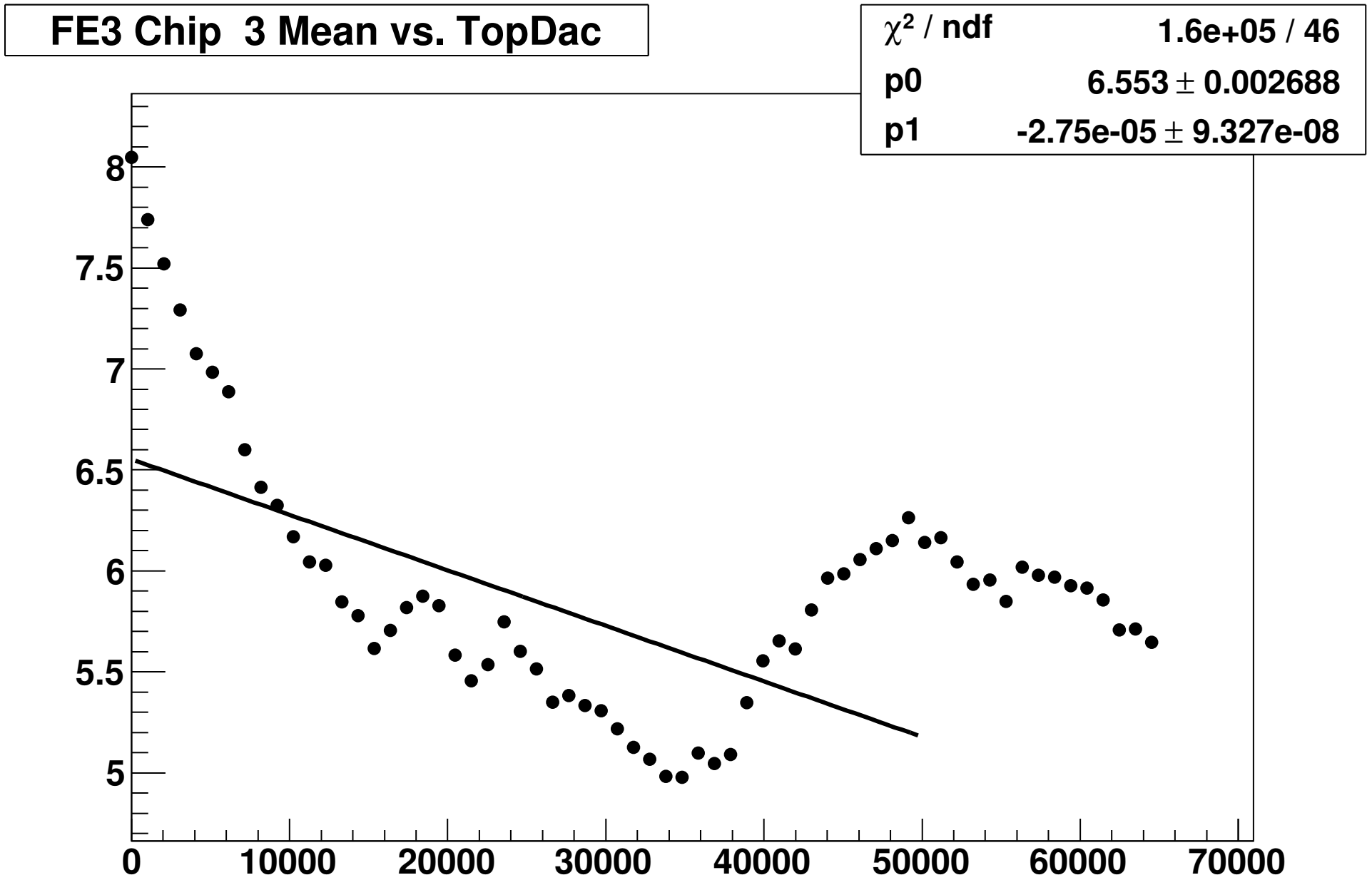
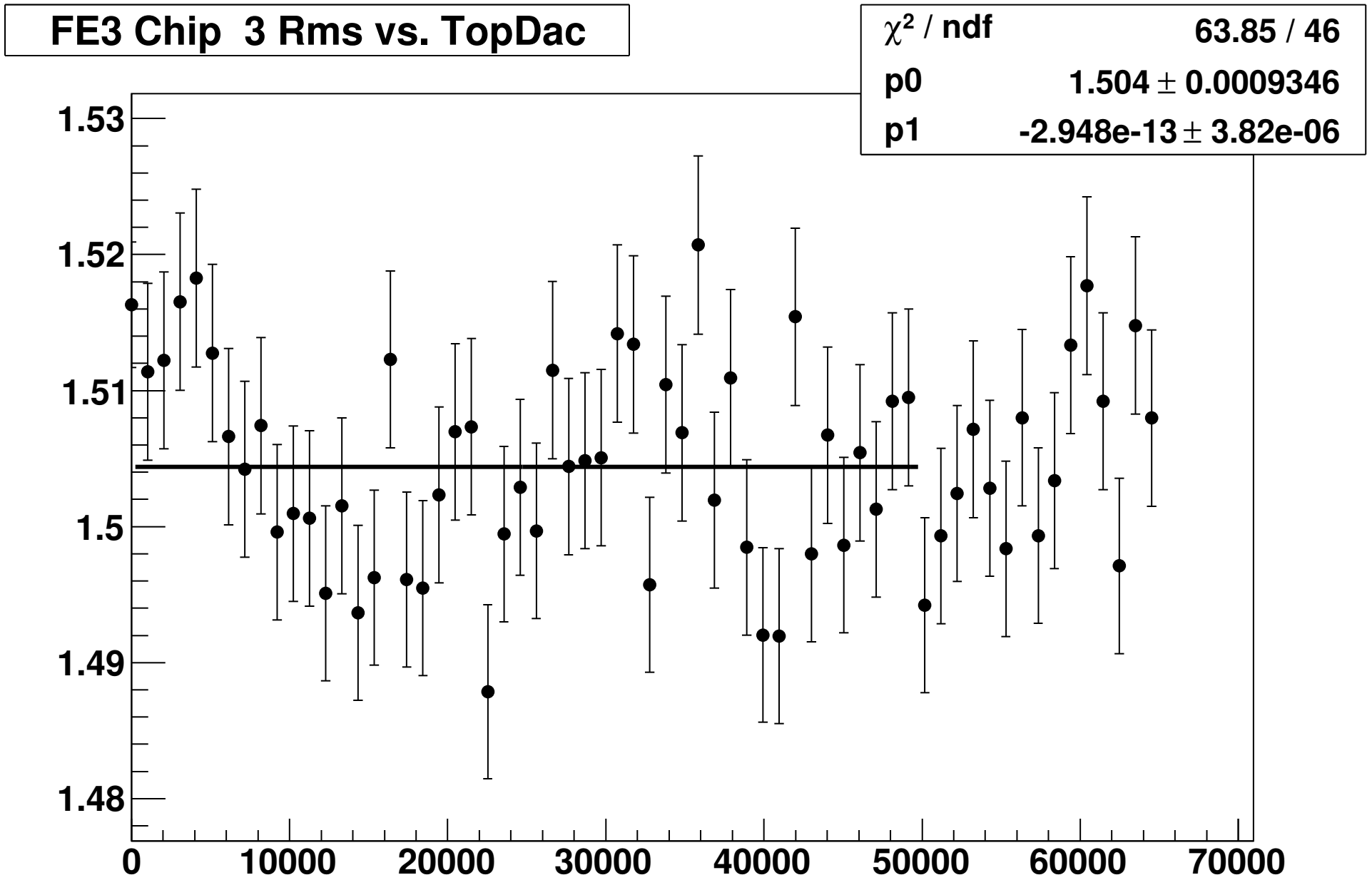
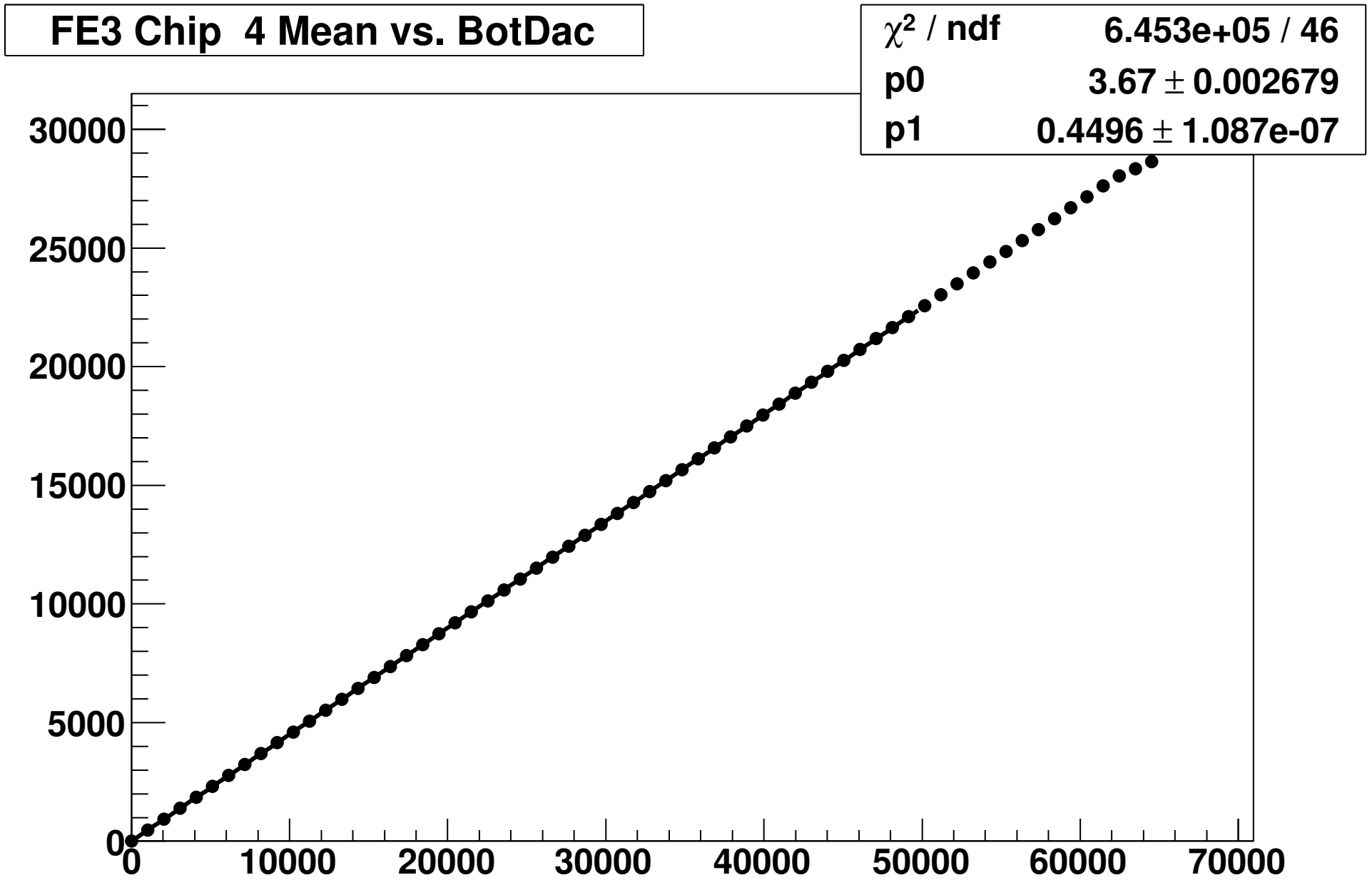
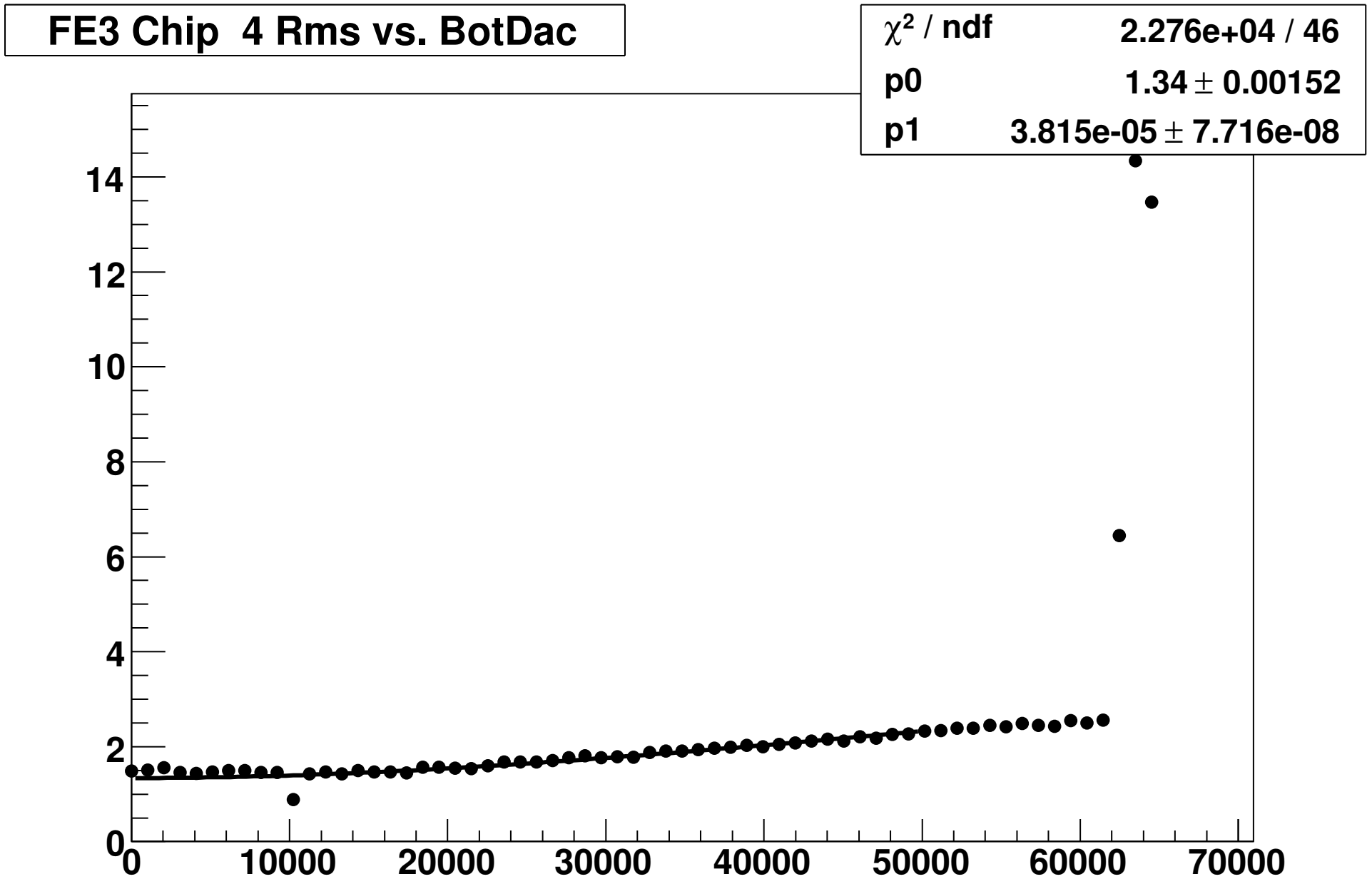
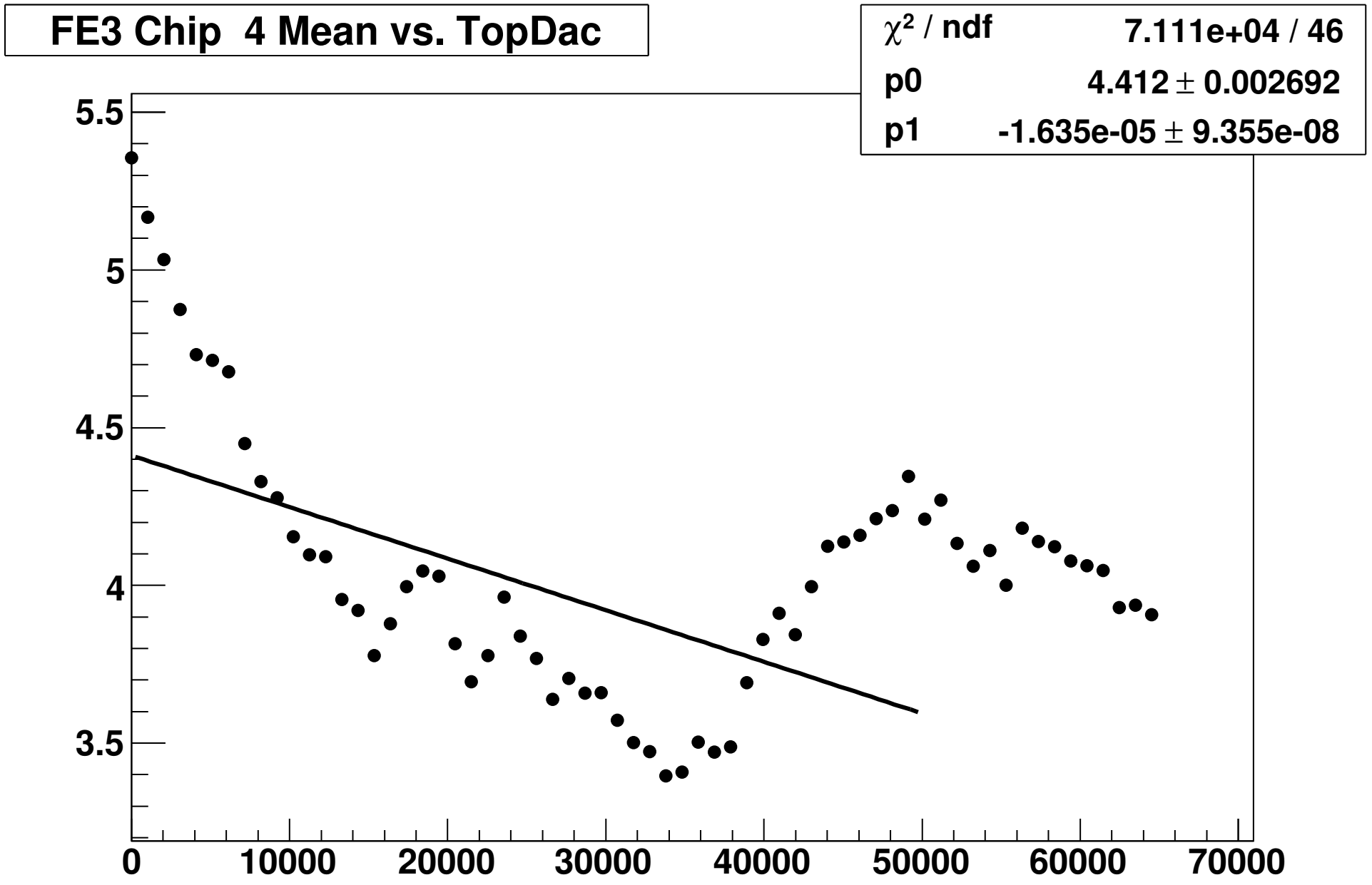
50000
60000
70000

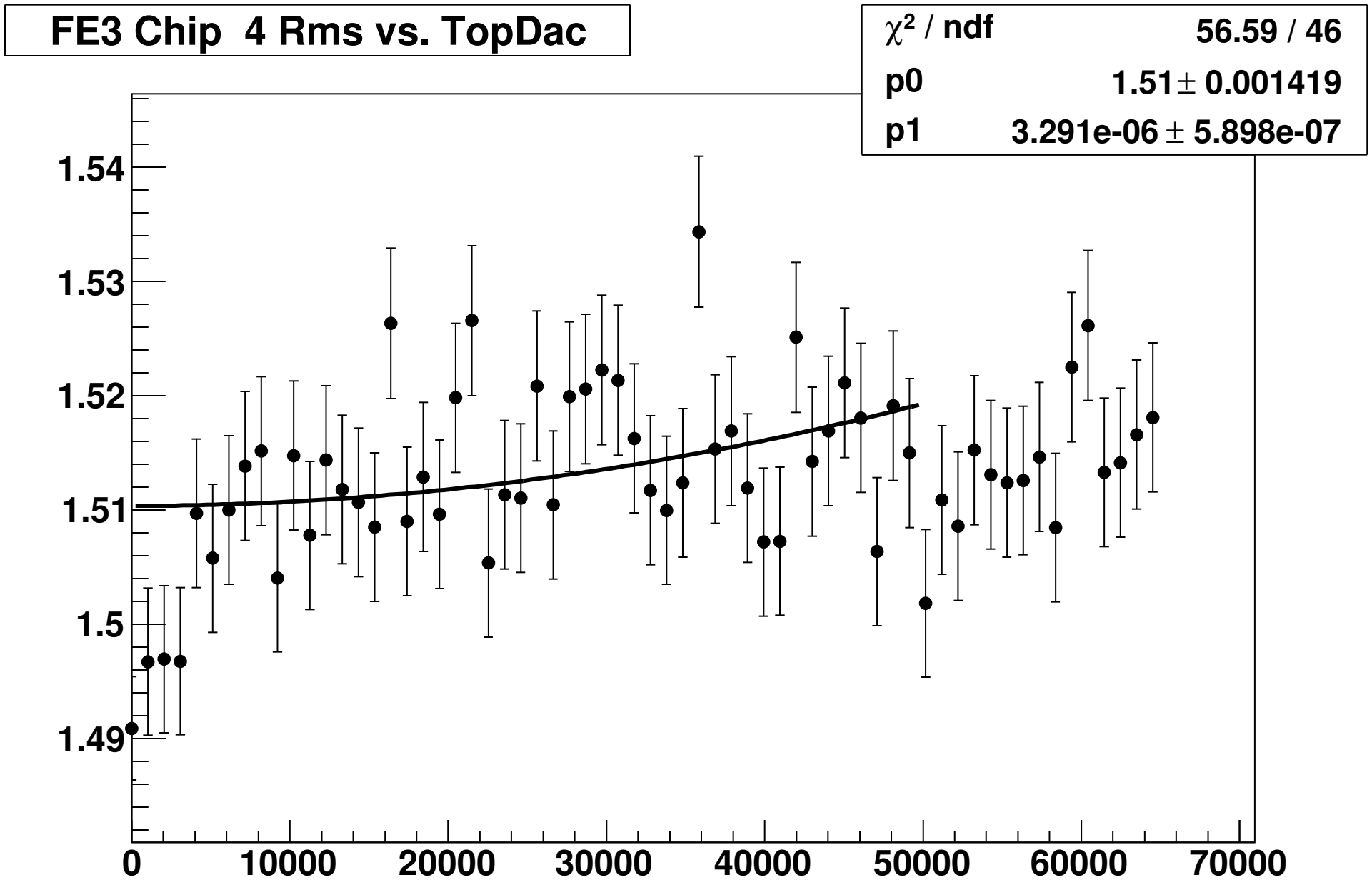

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1.6e+05 / 46
p0 6.553 ± 0.002688
p1 -2.75e-05 ± 9.327e-08
8
7.5
7
6.5
6
5.5
5
0
10000
20000
30000
40000
50000
60000
70000

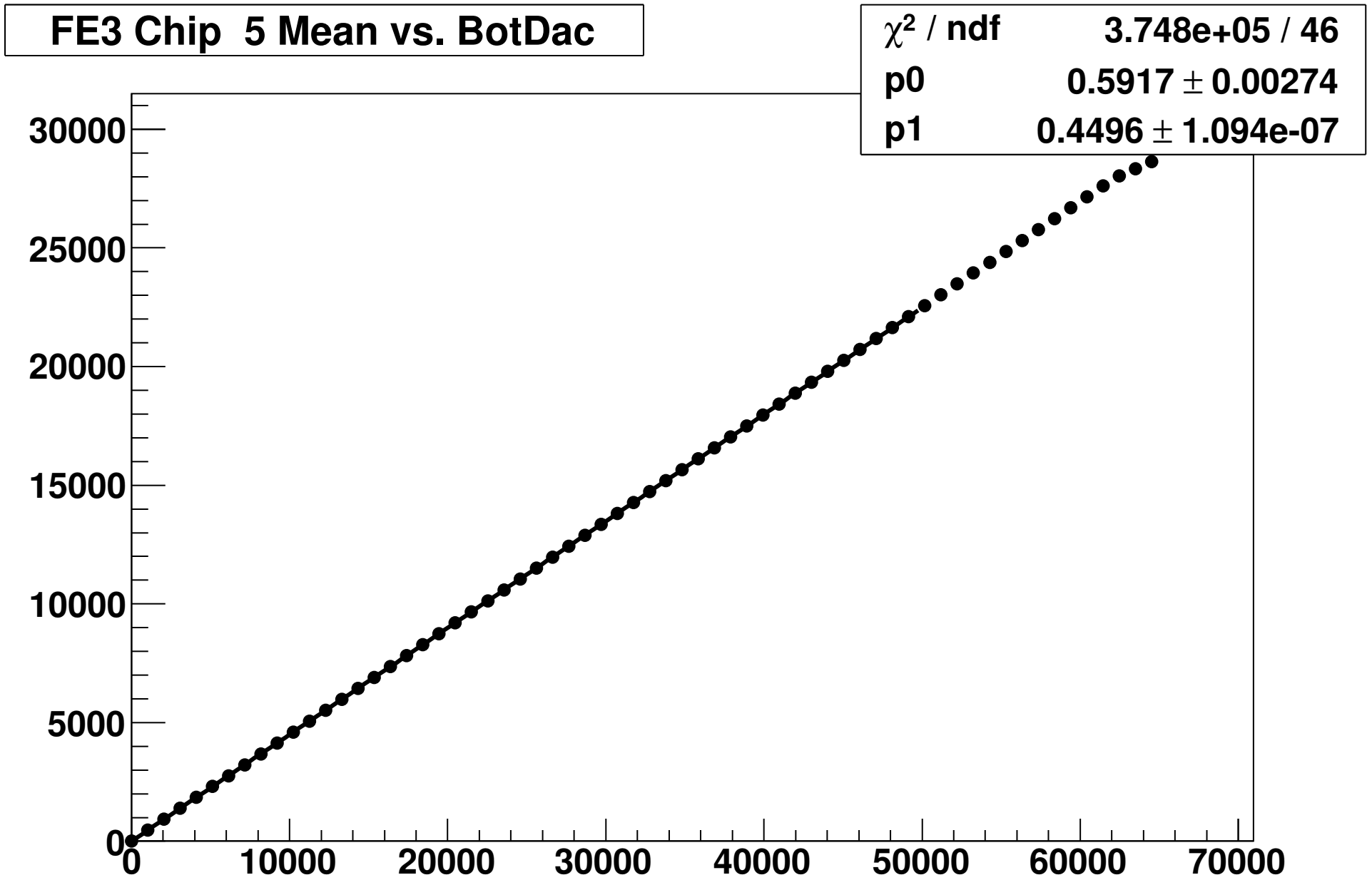

FE3 Chip 3 Rms vs. TopDac
χ² / ndf 63.85 / 46
p0 1.504 ± 0.0009346
p1 -2.948e-13 ± 3.82e-06
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

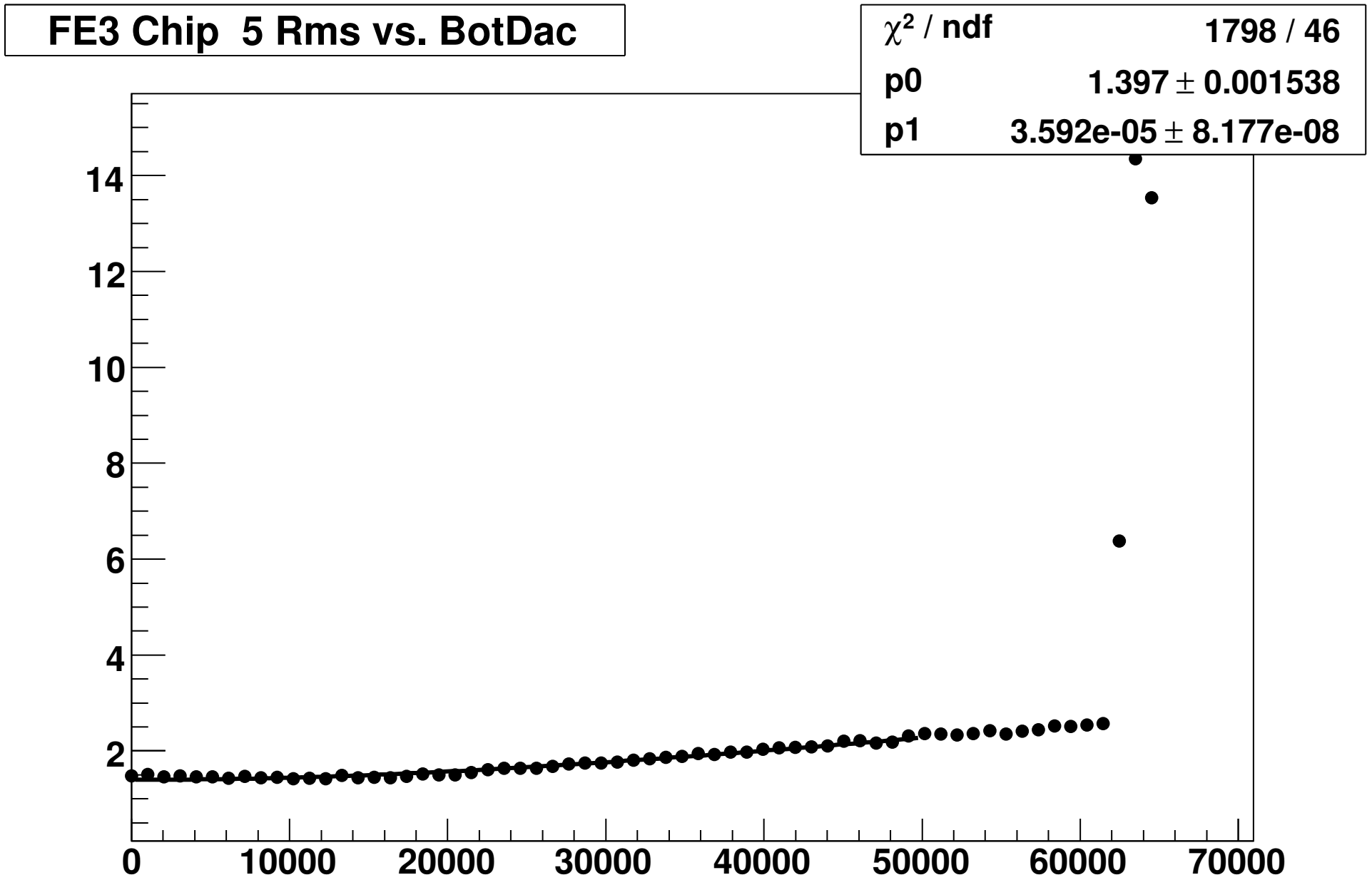

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 6.453e+05 / 46
p0 3.67 ± 0.002679
p1 0.4496 ± 1.087e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 2.276e+04 / 46
p0 1.34 ± 0.00152
p1 3.815e-05 ± 7.716e-08
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 7.111e+04 / 46
p0 4.412 ± 0.002692
p1 -1.635e-05 ± 9.355e-08
5.5
5
4.5
4
3.5
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 56.59 / 46
p0 1.51 ± 0.001419
p1 3.291e-06 ± 5.898e-07
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 3.748e+05 / 46
p0 0.5917 ± 0.00274
p1 0.4496 ± 1.094e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1798 / 46
p0 1.397 ± 0.001538
p1 3.592e-05 ± 8.177e-08
14
12
10
8
6
4
2
0
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20000
30000
40000
50000
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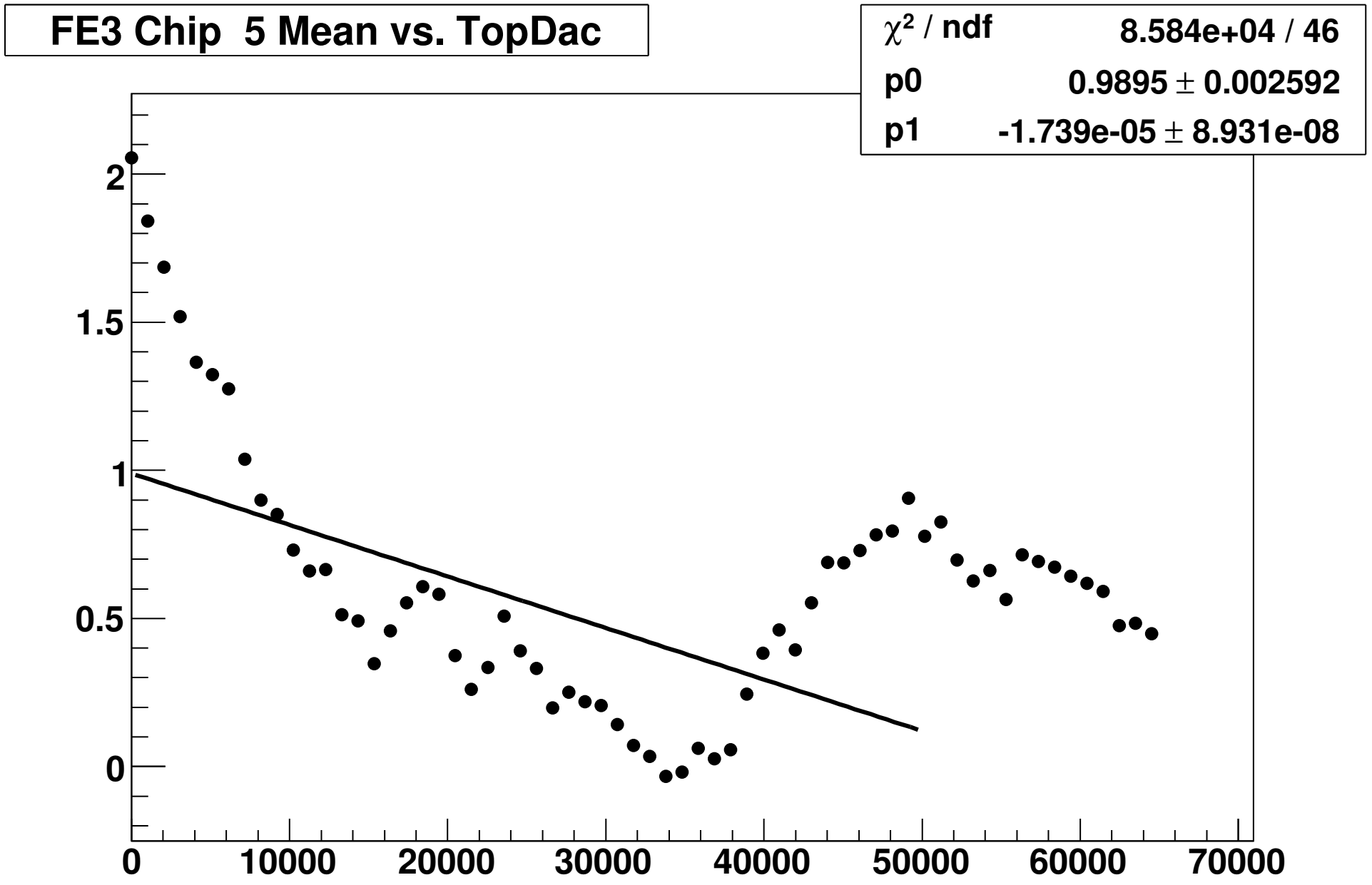
70000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 8.584e+04 / 46
p0 0.9895 ± 0.002592
p1 -1.739e-05 ± 8.931e-08
2
1.5
1
0.5
0
0
10000
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30000
40000
50000
60000
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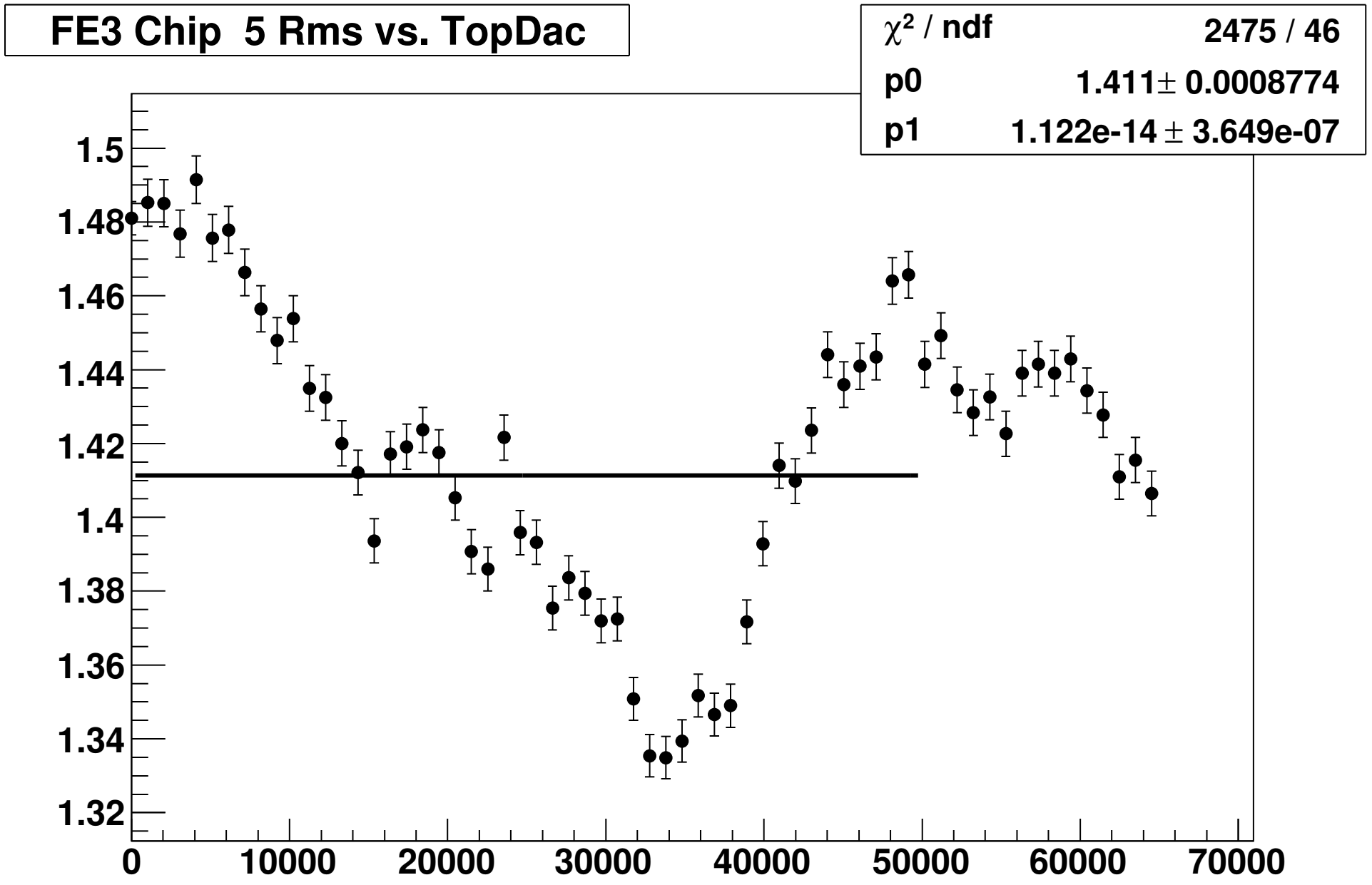
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 2475 / 46
p0 1.411 ± 0.0008774
p1 1.122e-14 ± 3.649e-07
1.5
1.48
1.46
1.44
1.42
1.4
1.38
1.36
1.34
1.32
0
10000
20000
30000
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50000
60000
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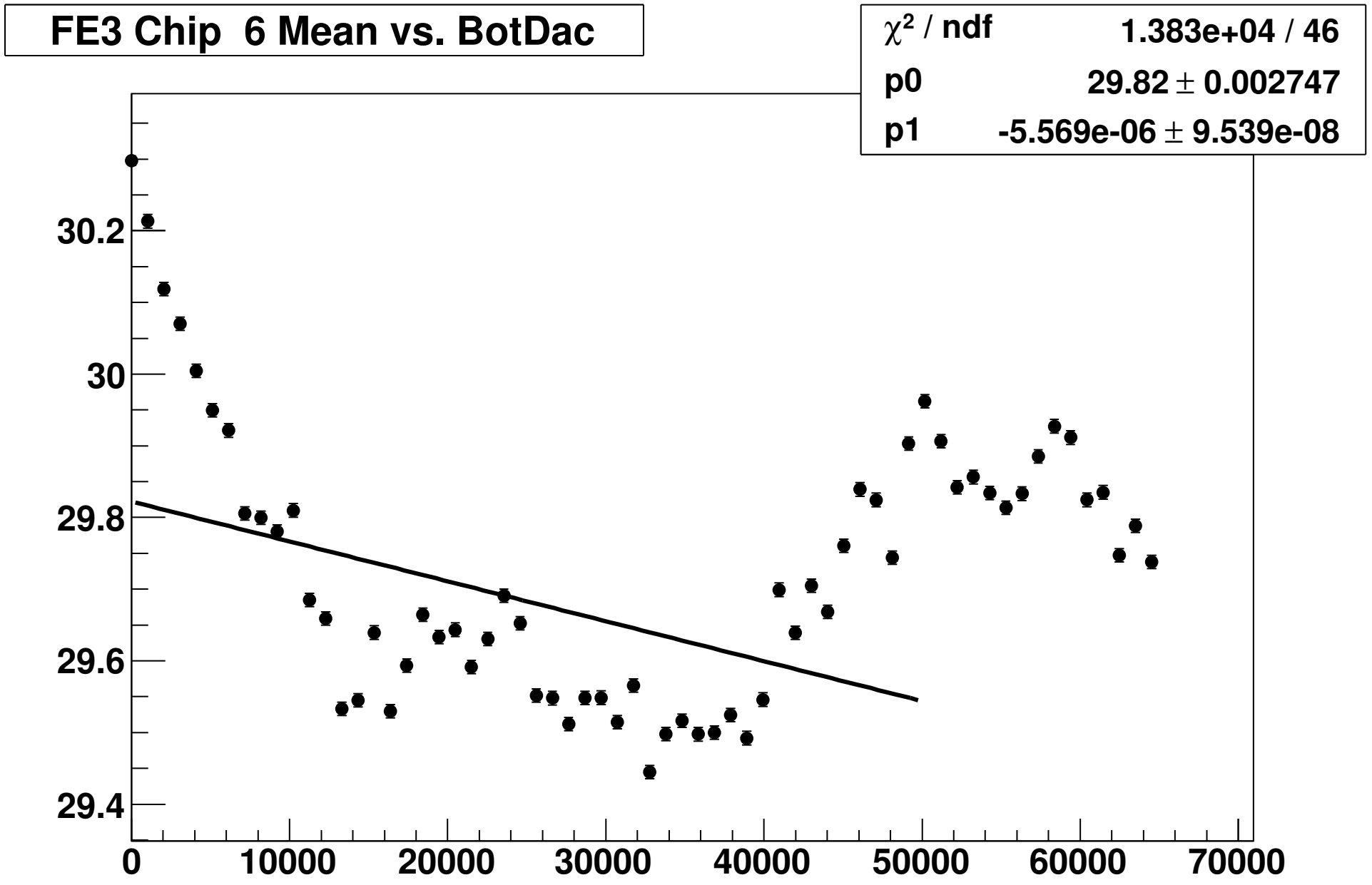
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 1.383e+04 / 46
p0 29.82 ± 0.002747
p1 -5.569e-06 ± 9.539e-08
30.2
30
29.8
29.6
29.4
0
10000
20000
30000
40000
50000
60000
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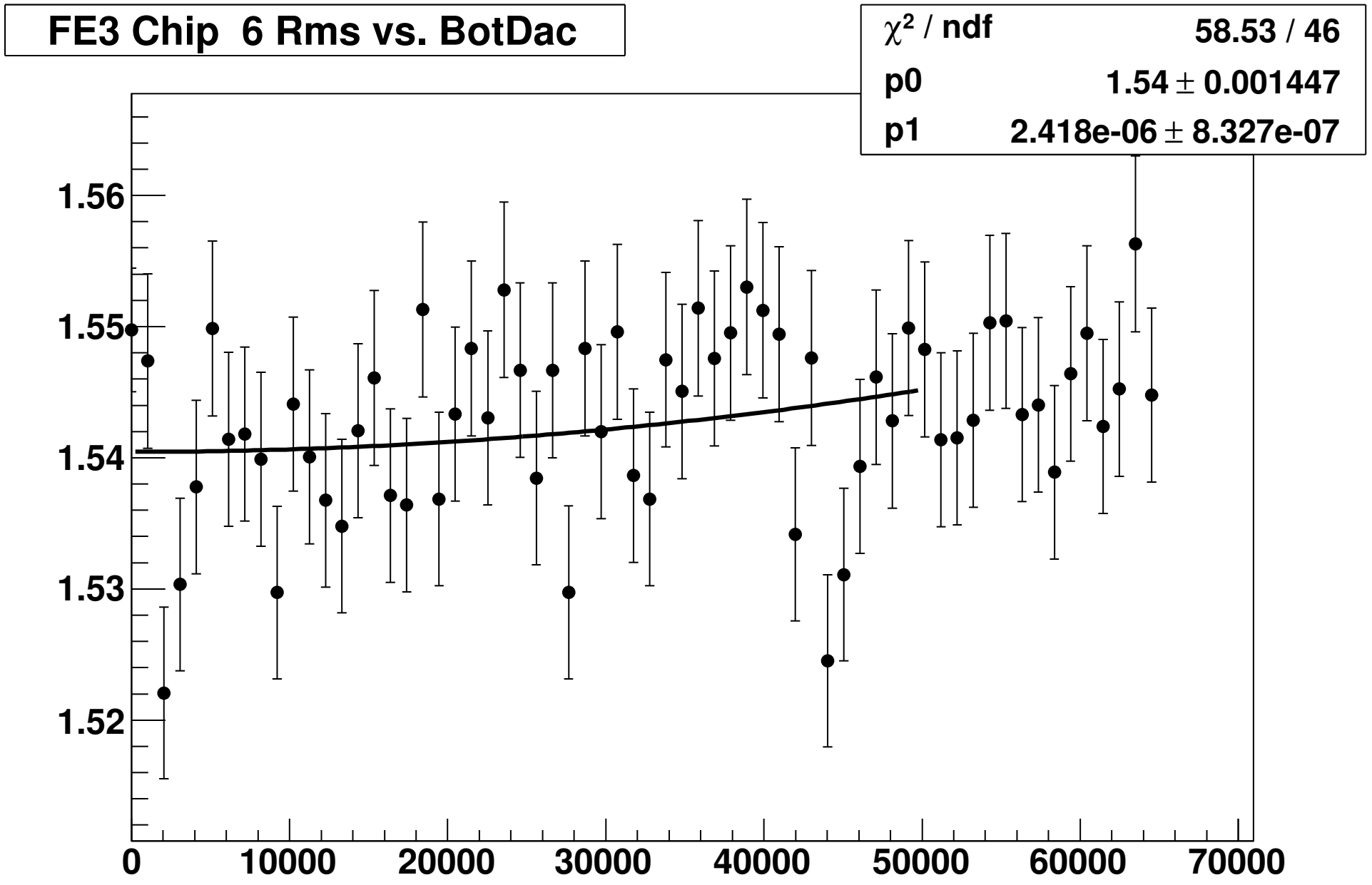
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 58.53 / 46
p0 1.54 ± 0.001447
p1 2.418e-06 ± 8.327e-07
1.56
1.55
1.54
1.53
1.52
0
10000
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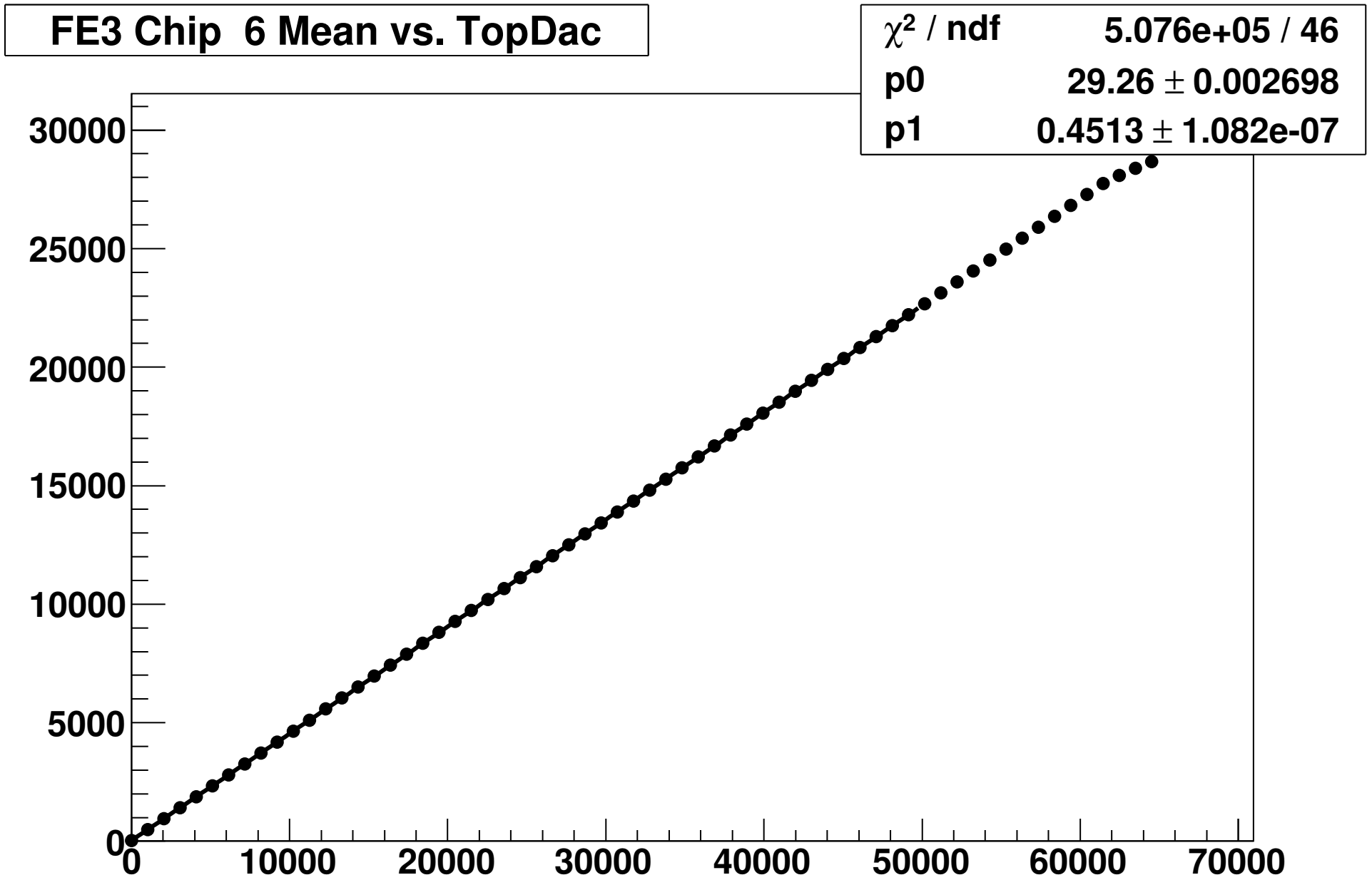
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 5.076e+05 / 46
p0 29.26 ± 0.002698
p1 0.4513 ± 1.082e-07
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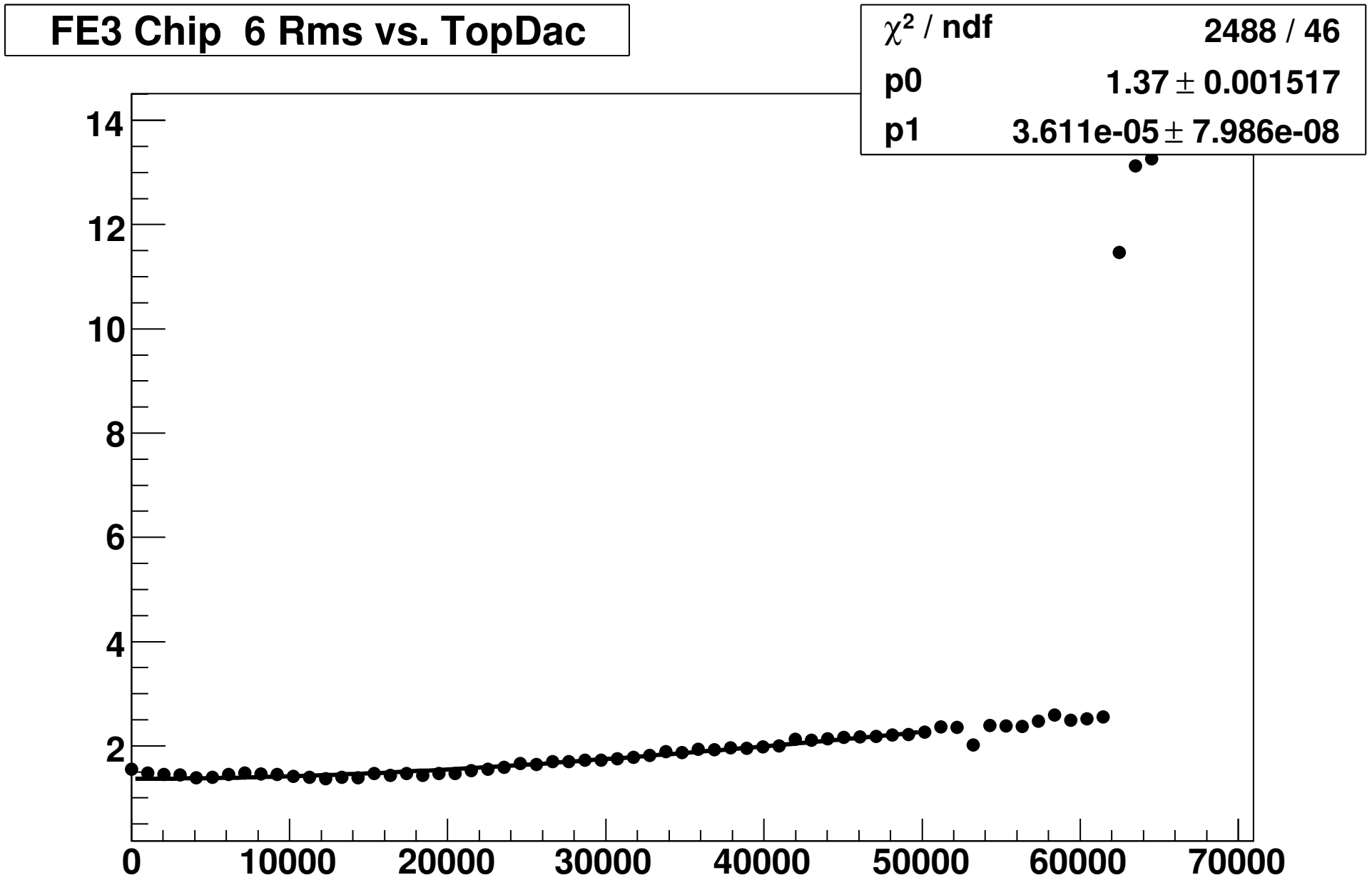
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 2488 / 46
p0 1.37 ± 0.001517
p1 3.611e-05 ± 7.986e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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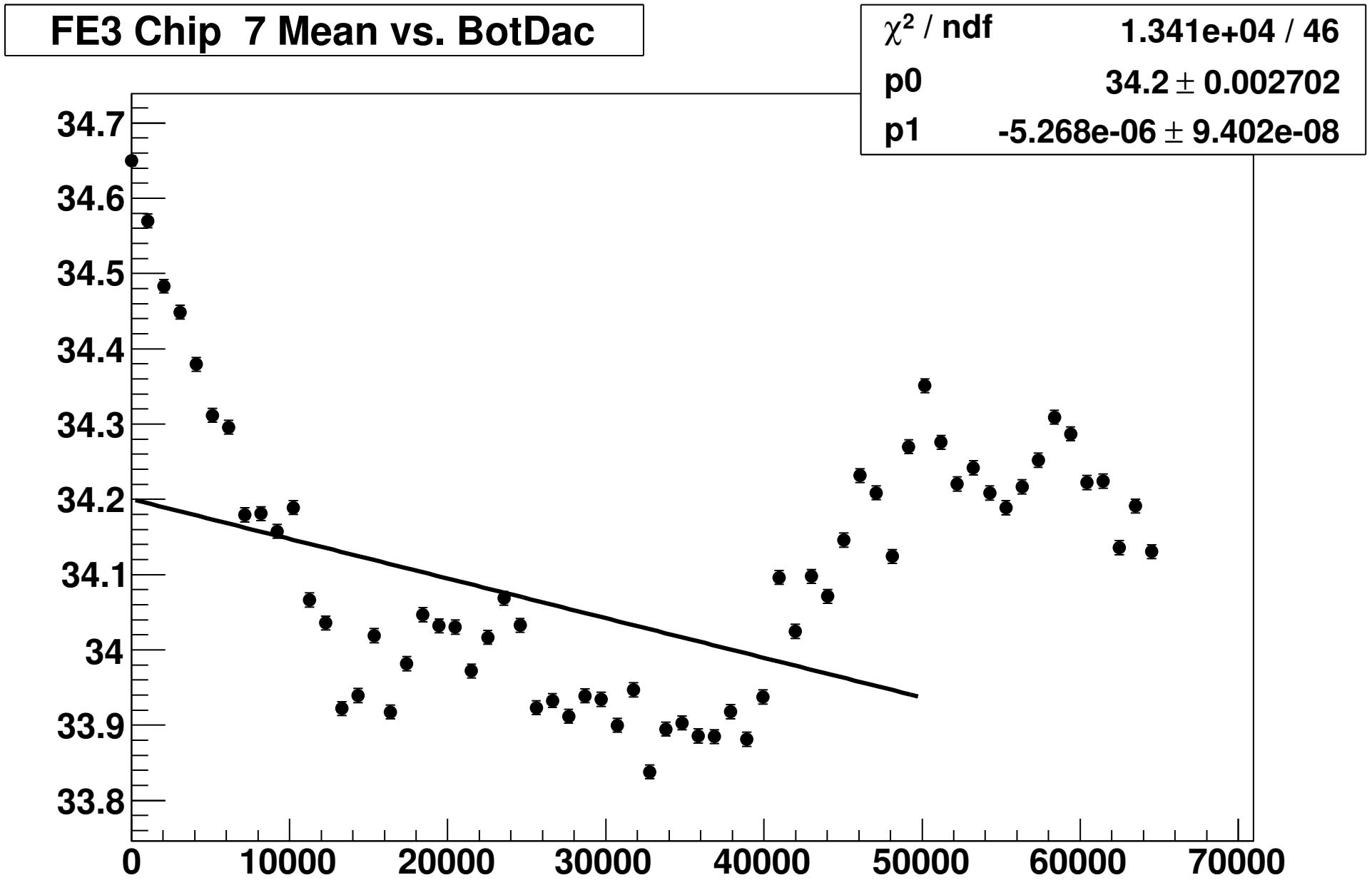
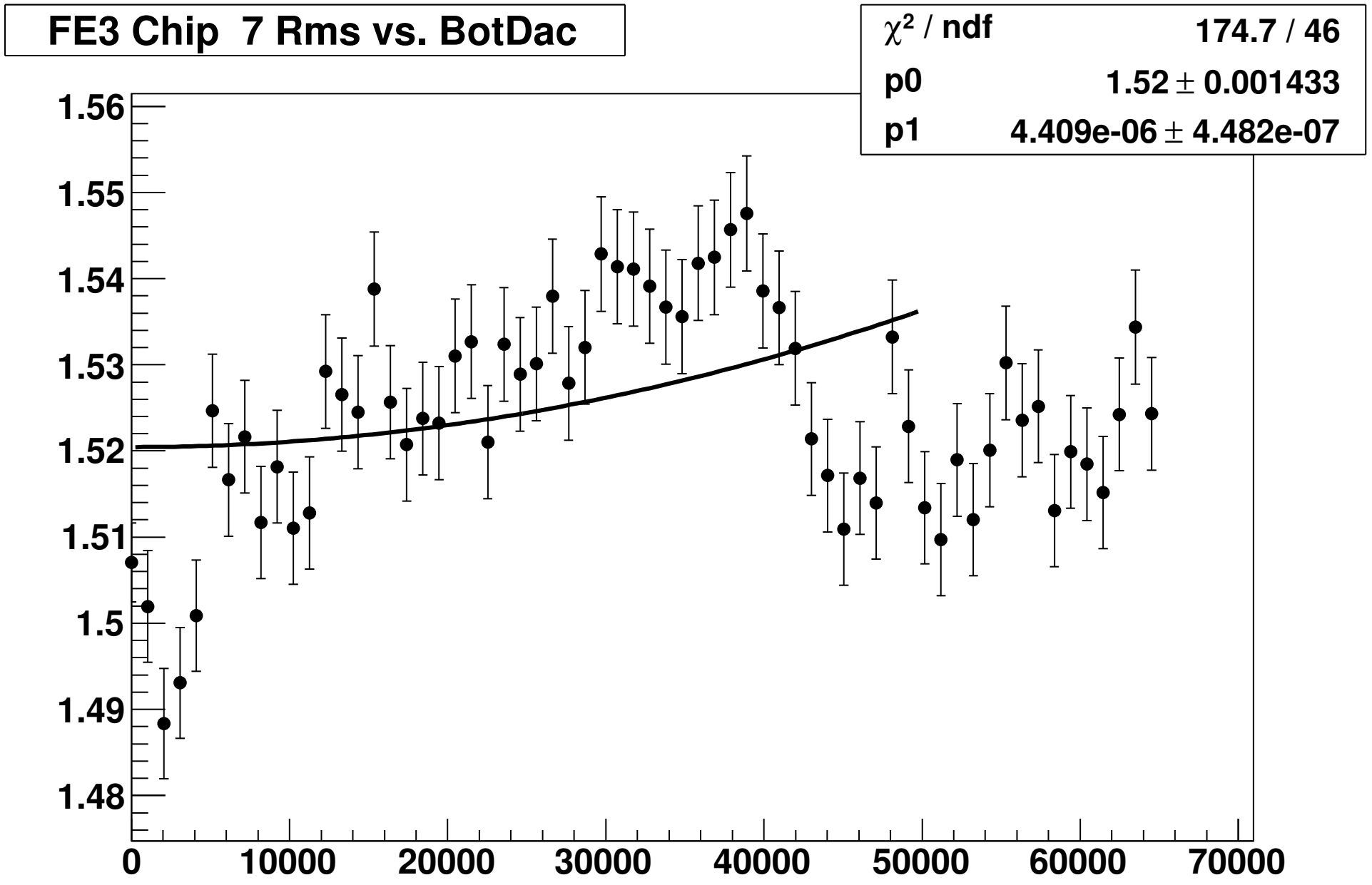

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 1.341e+04 / 46
p0 34.2 ± 0.002702
p1 -5.268e-06 ± 9.402e-08
34.7
34.6
34.5
34.4
34.3
34.2
34.1
34
33.9
33.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 174.7 / 46
p0 1.52 ± 0.001433
p1 4.409e-06 ± 4.482e-07
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
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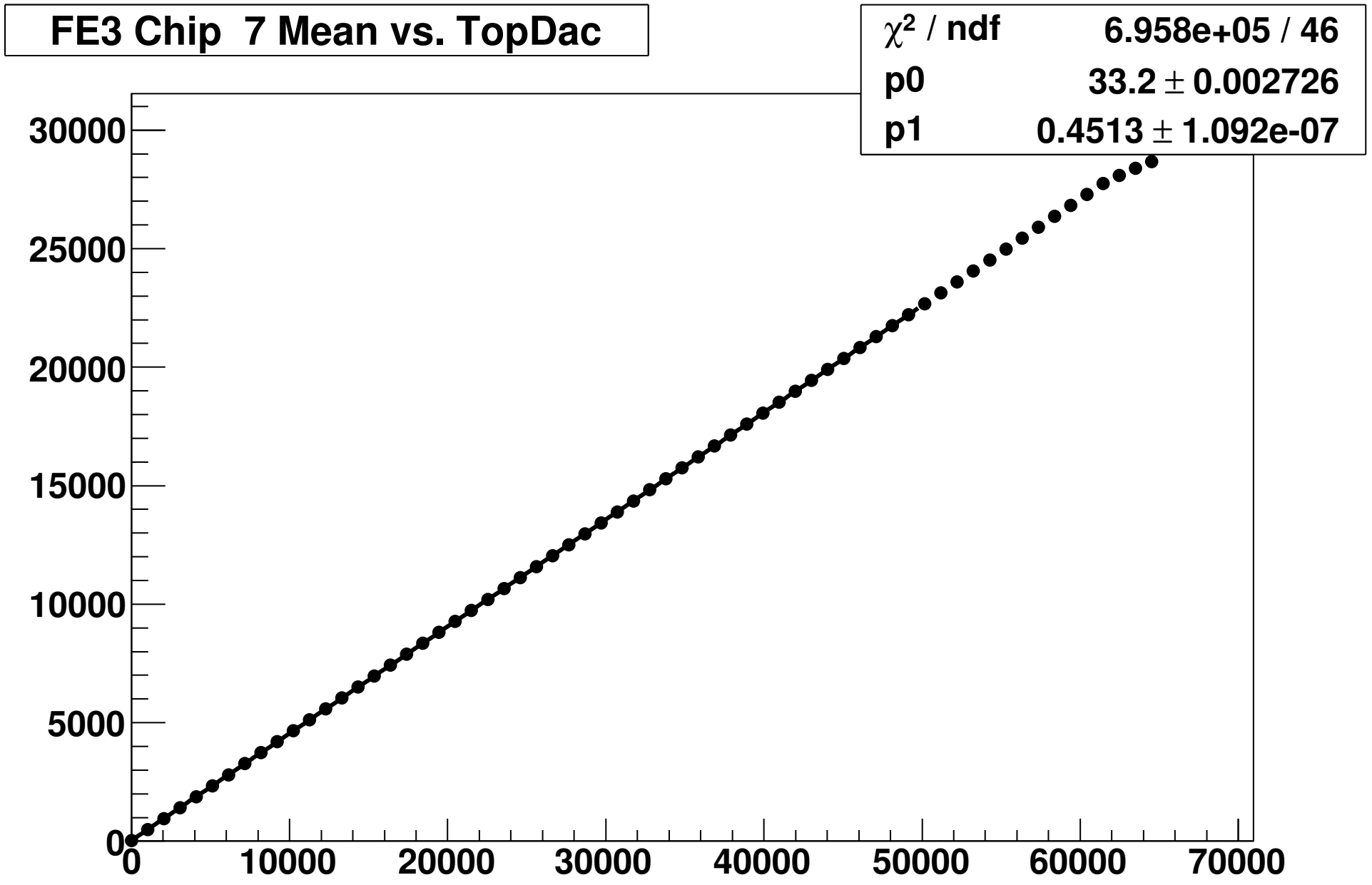
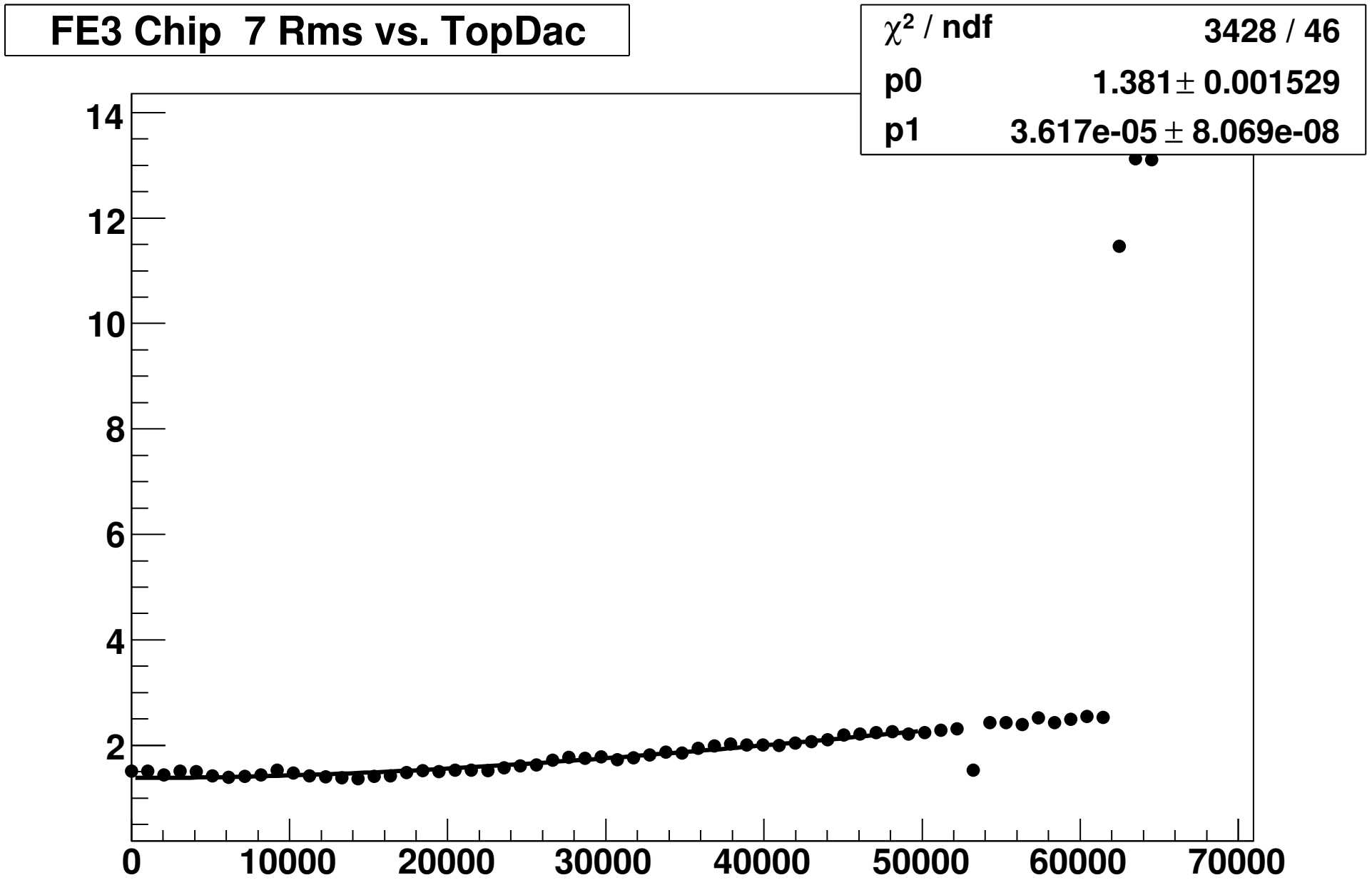
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 6.958e+05 / 46
p0 33.2 ± 0.002726
p1 0.4513 ± 1.092e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 3428 / 46
p0 1.381 ± 0.001529
p1 3.617e-05 ± 8.069e-08
14
12
10
8
6
4
2
0
10000
20000
30000
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60000
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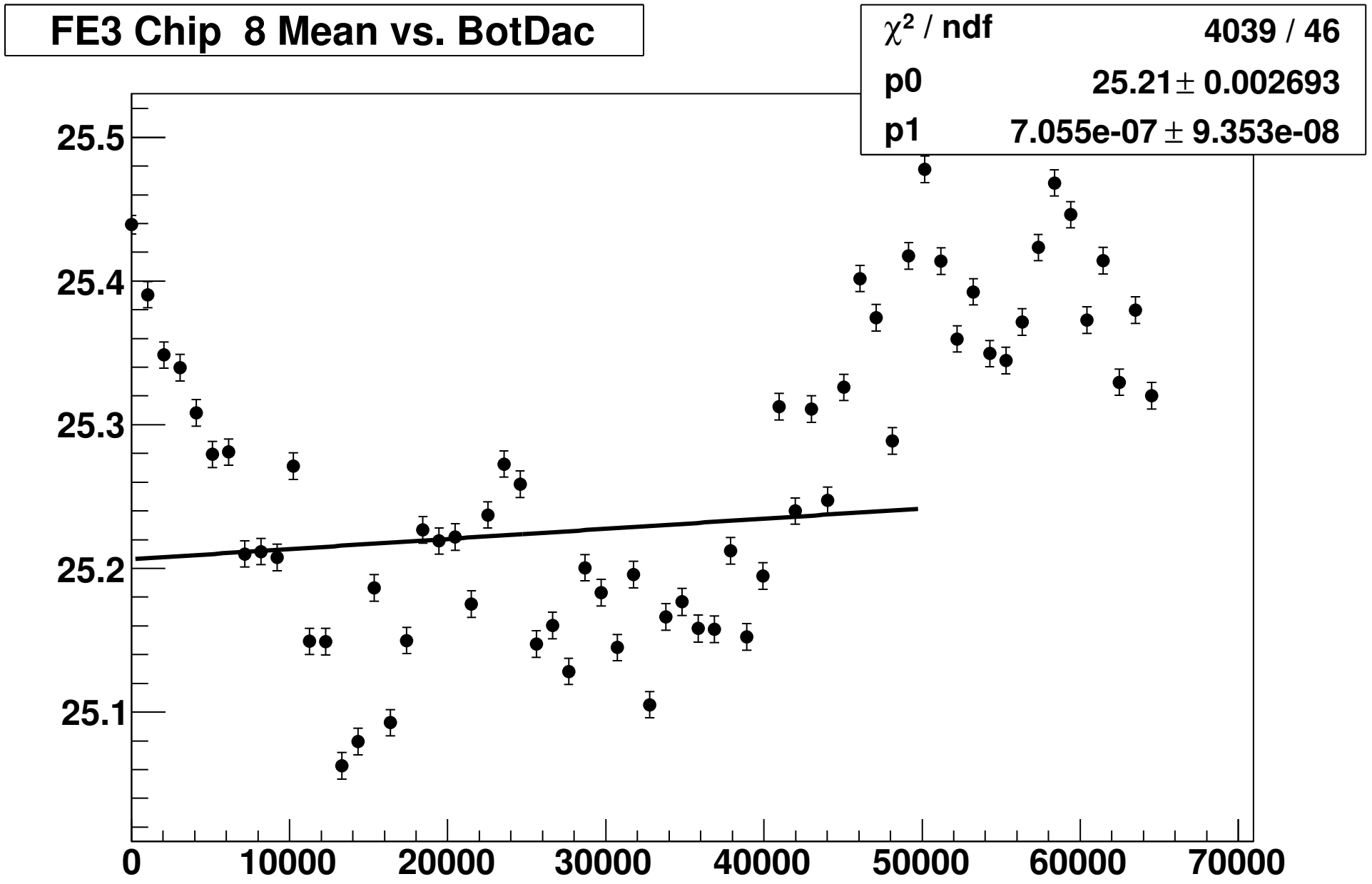
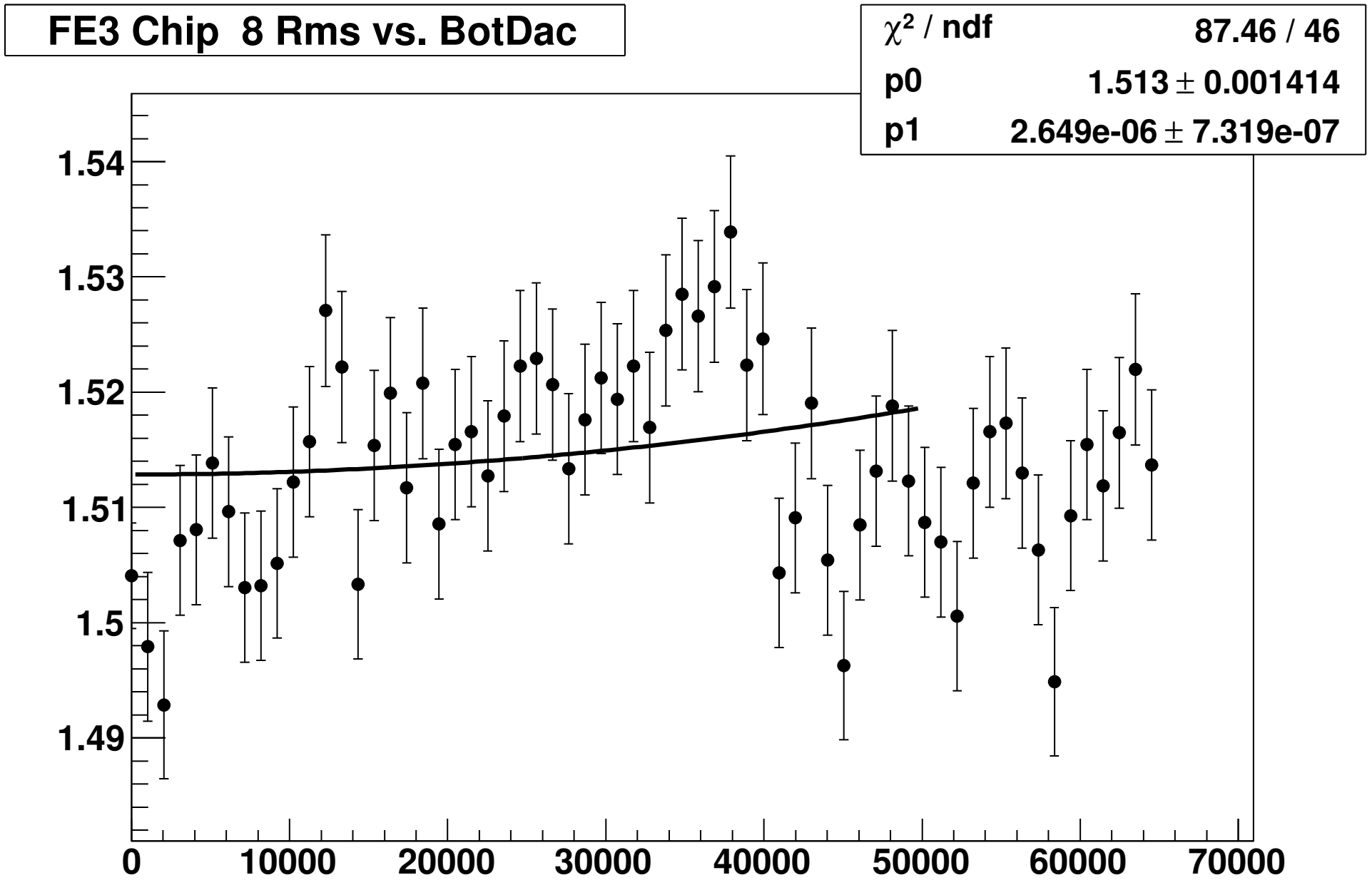
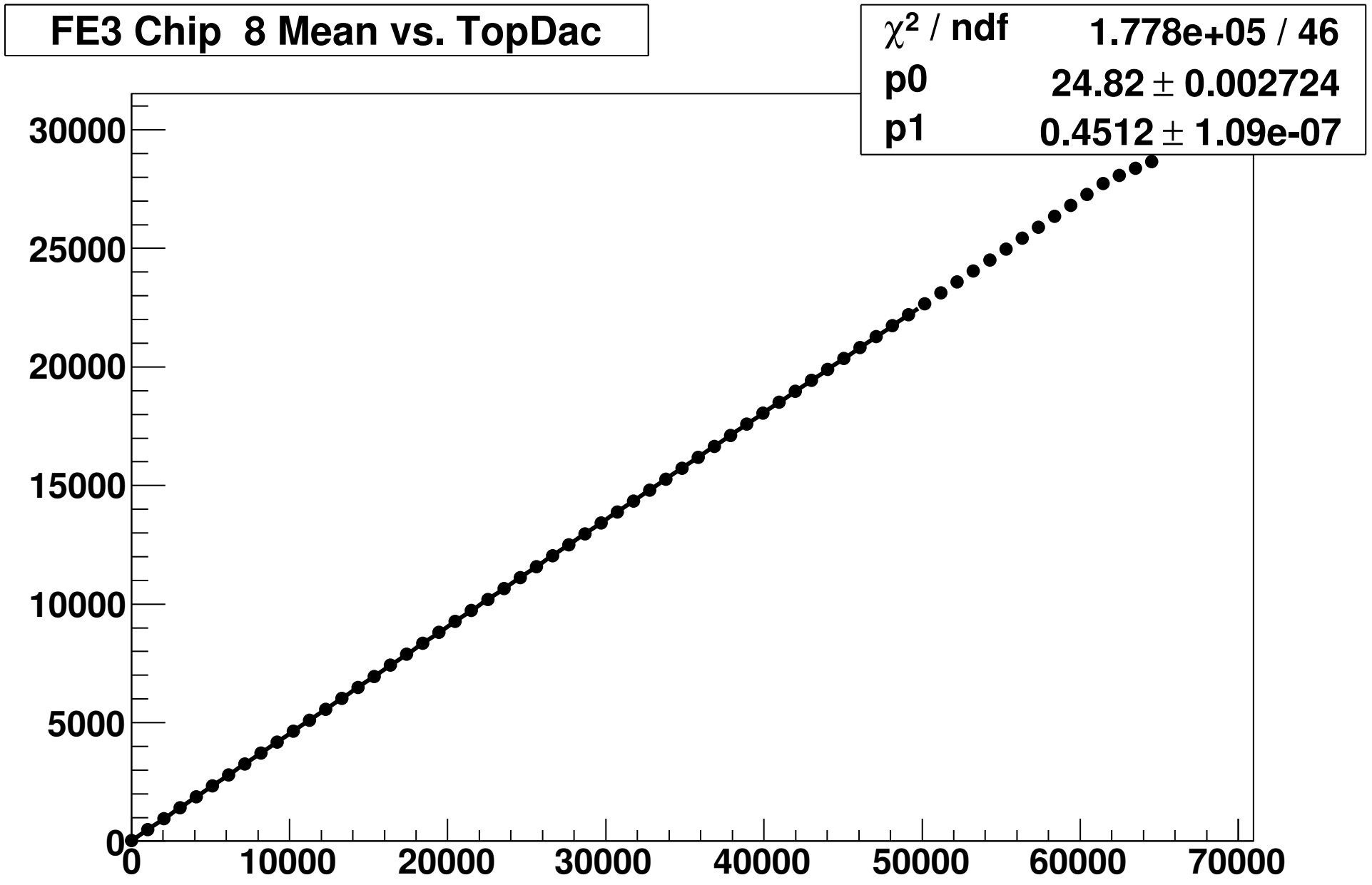
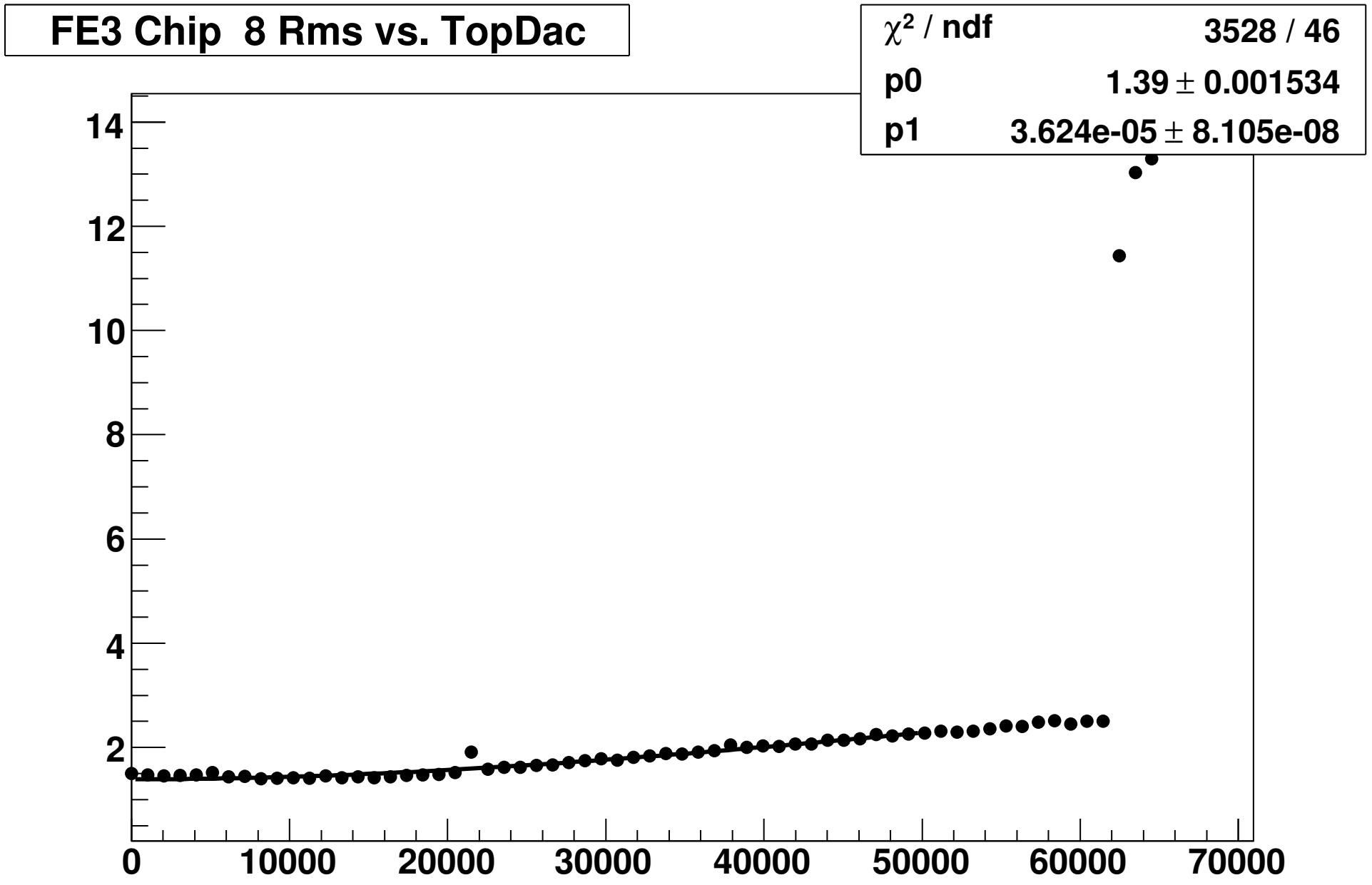

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 4039 / 46
p0 25.21 ± 0.002693
p1 7.055e-07 ± 9.353e-08
25.5
25.4
25.3
25.2
25.1
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 87.46 / 46
p0 1.513 ± 0.001414
p1 2.649e-06 ± 7.319e-07
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.778e+05 / 46
p0 24.82 ± 0.002724
p1 0.4512 ± 1.09e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 3528 / 46
p0 1.39 ± 0.001534
p1 3.624e-05 ± 8.105e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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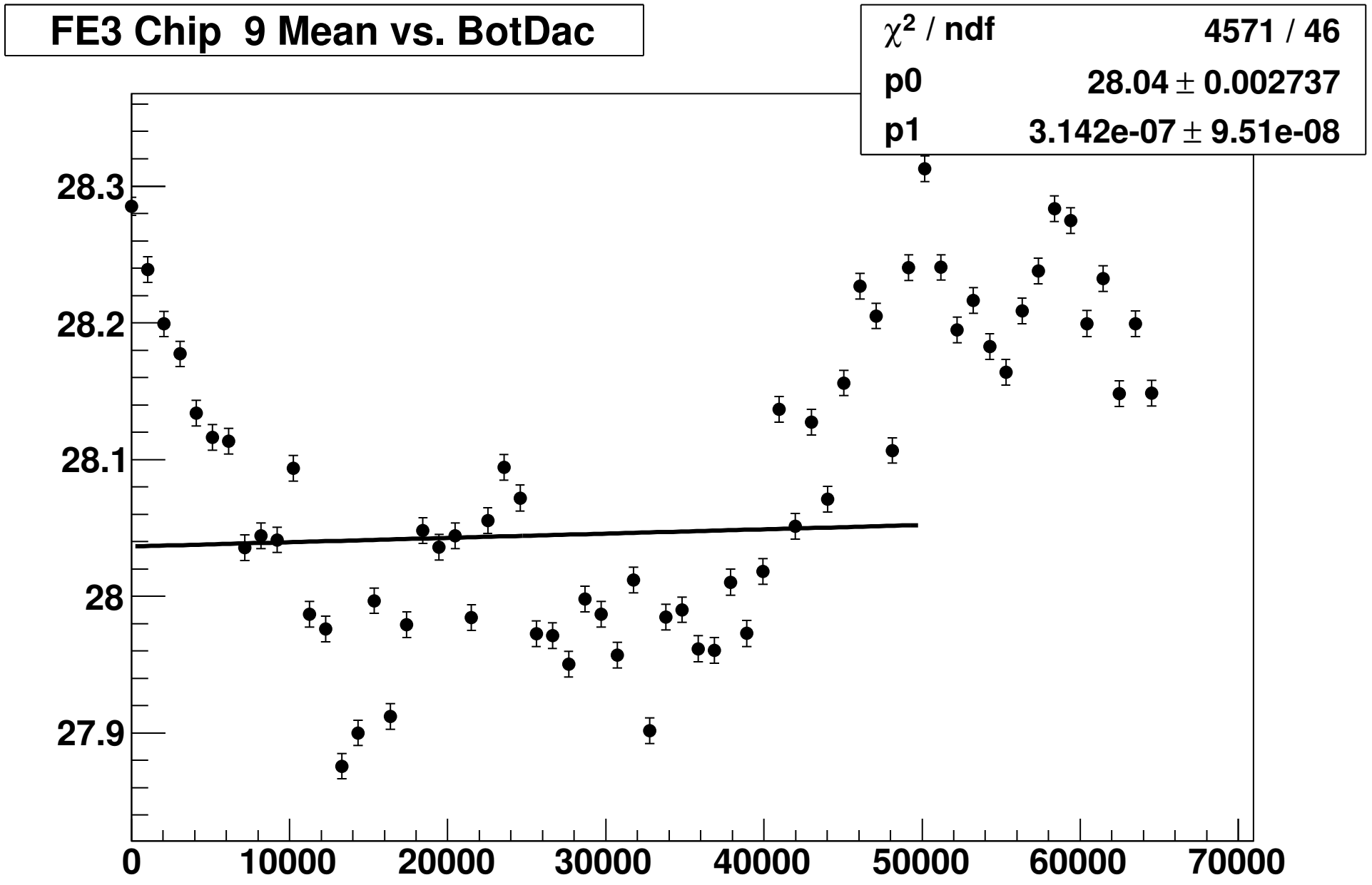
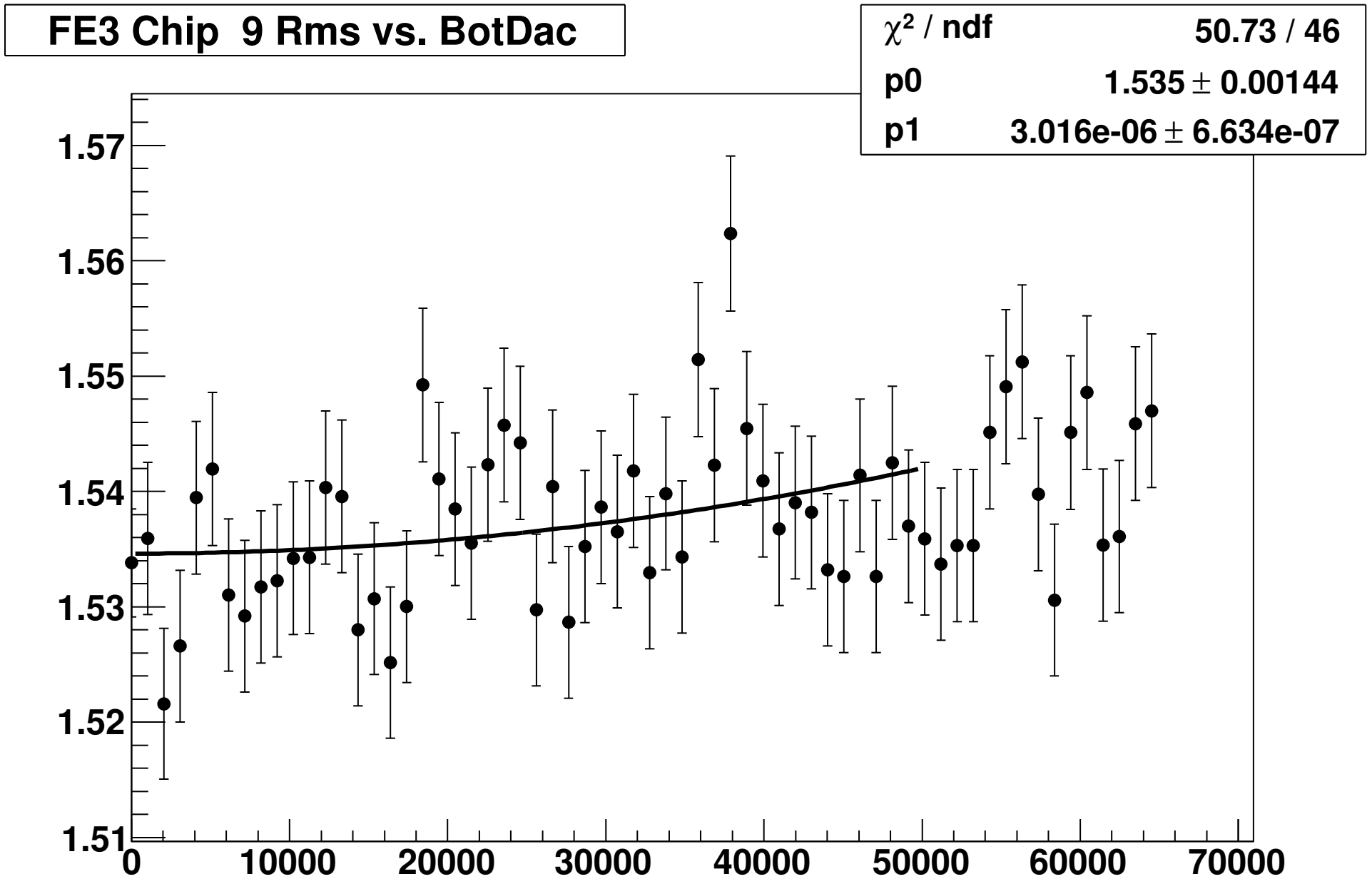
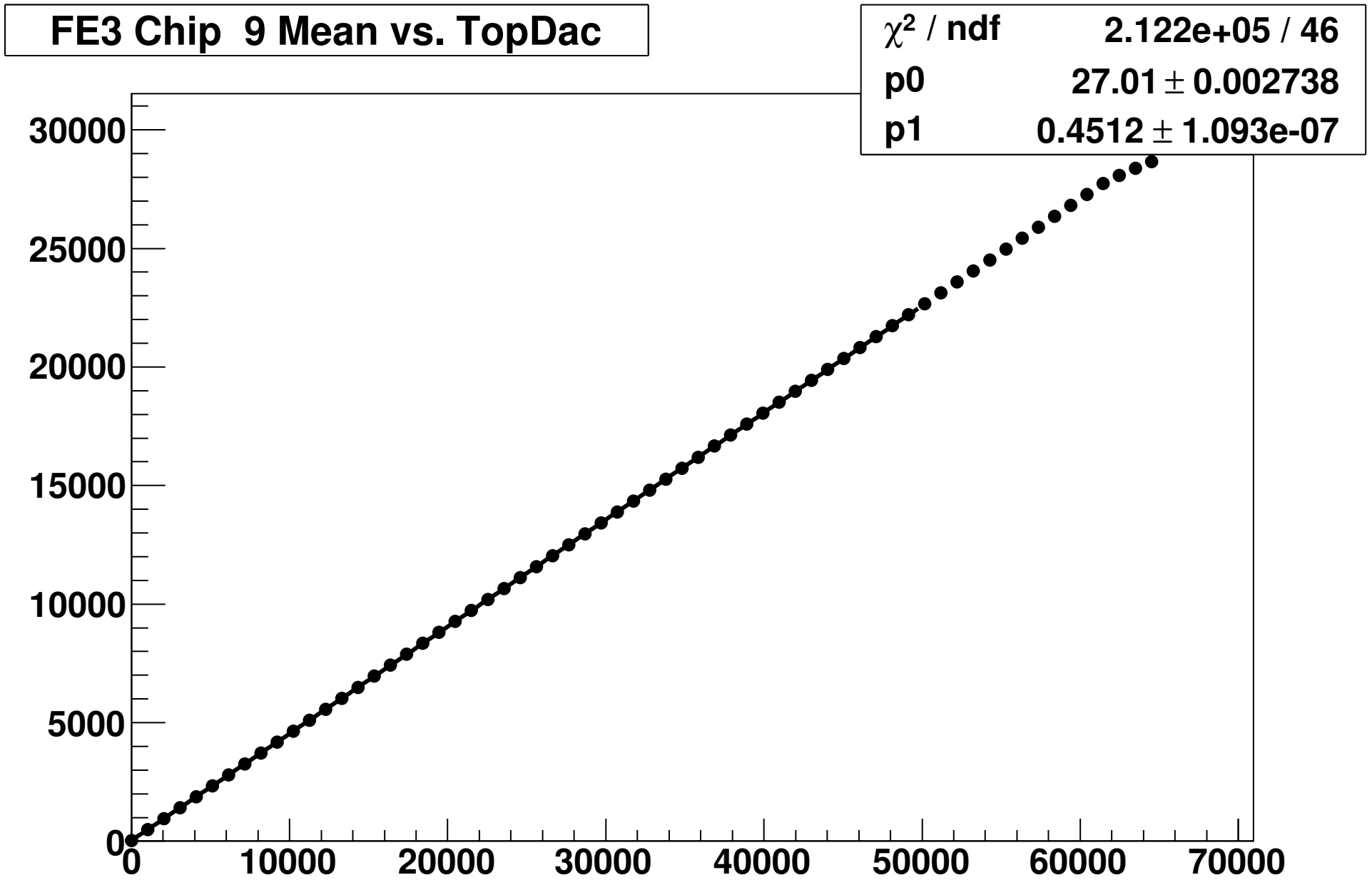
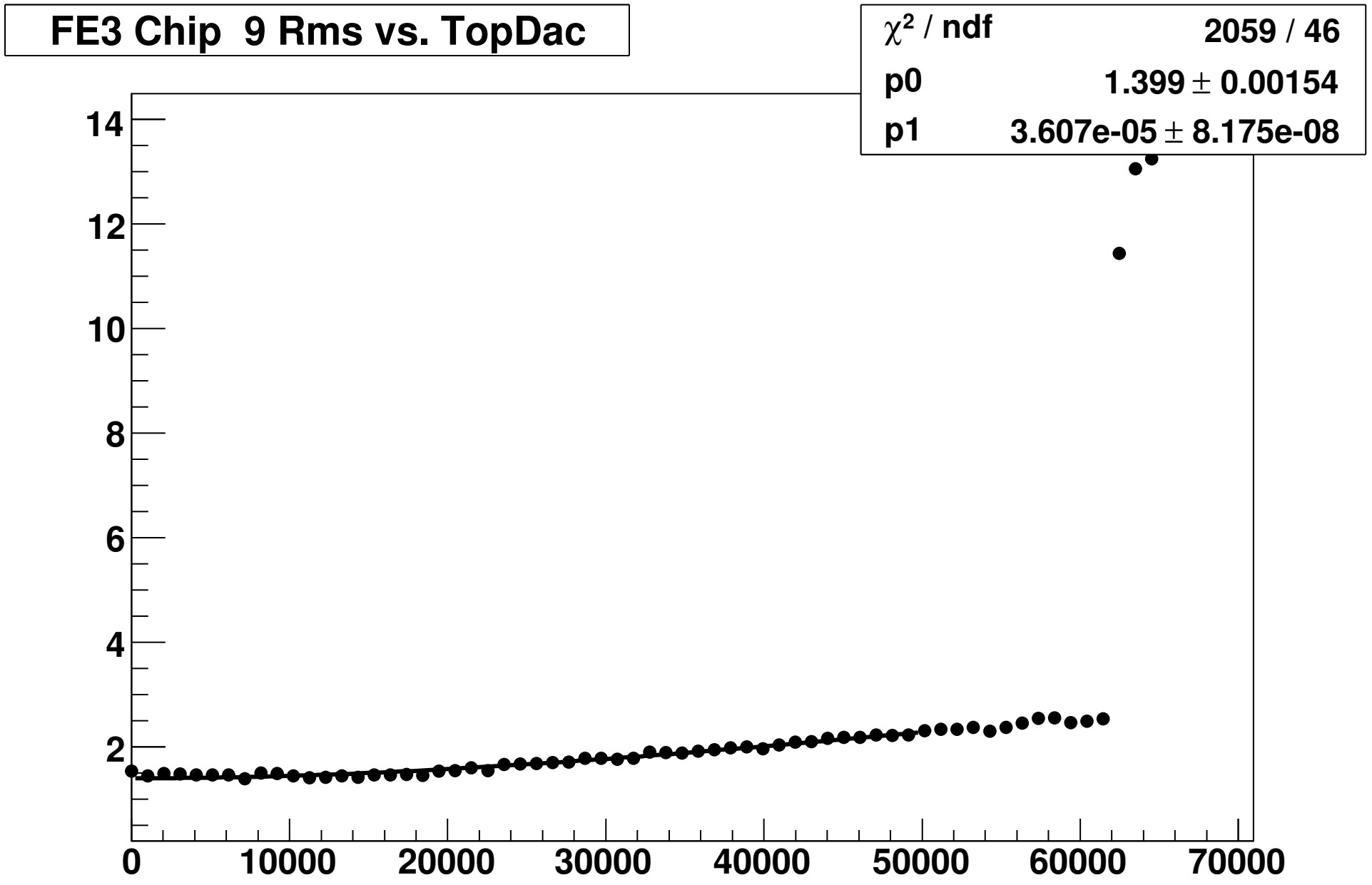
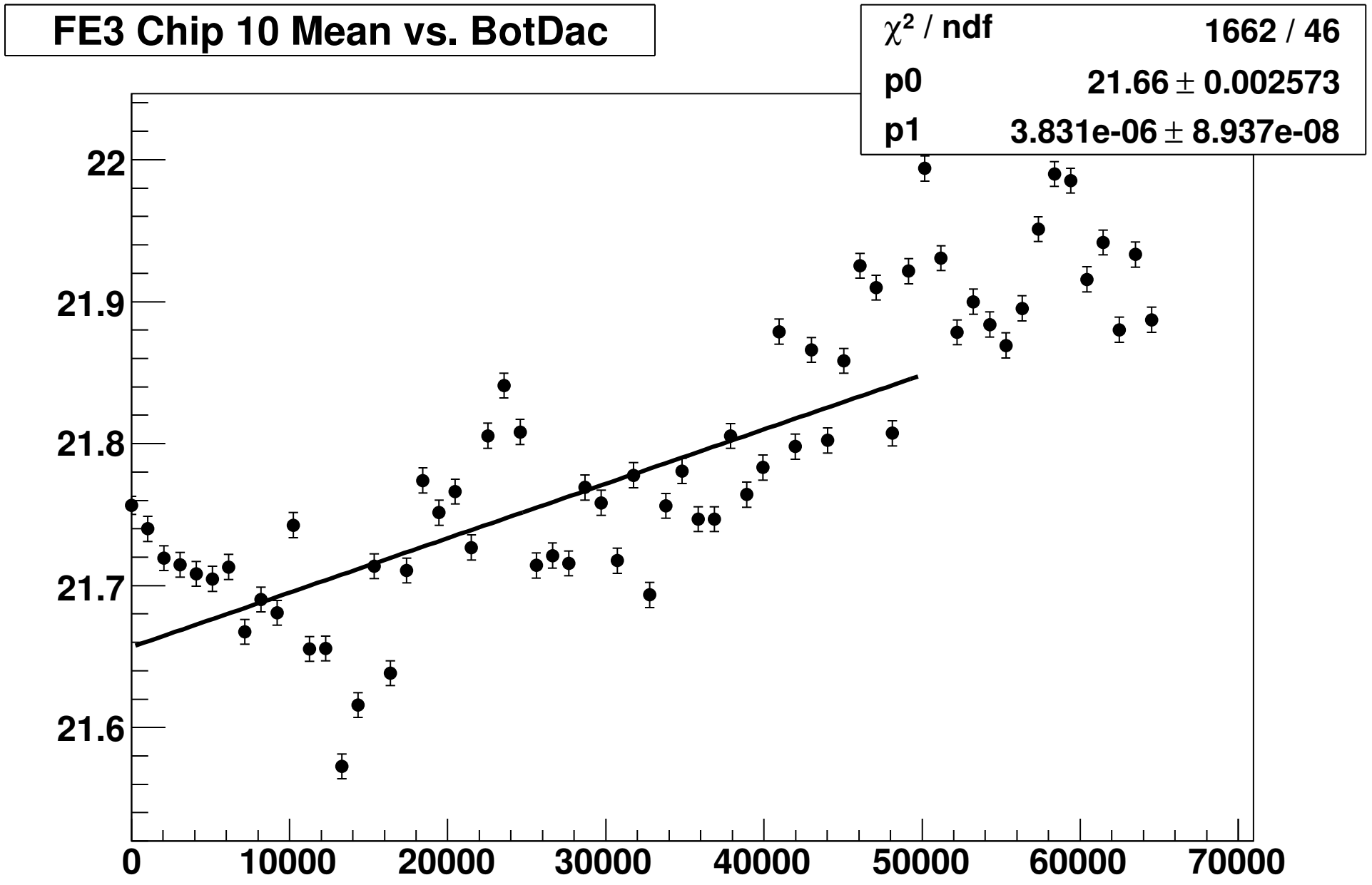
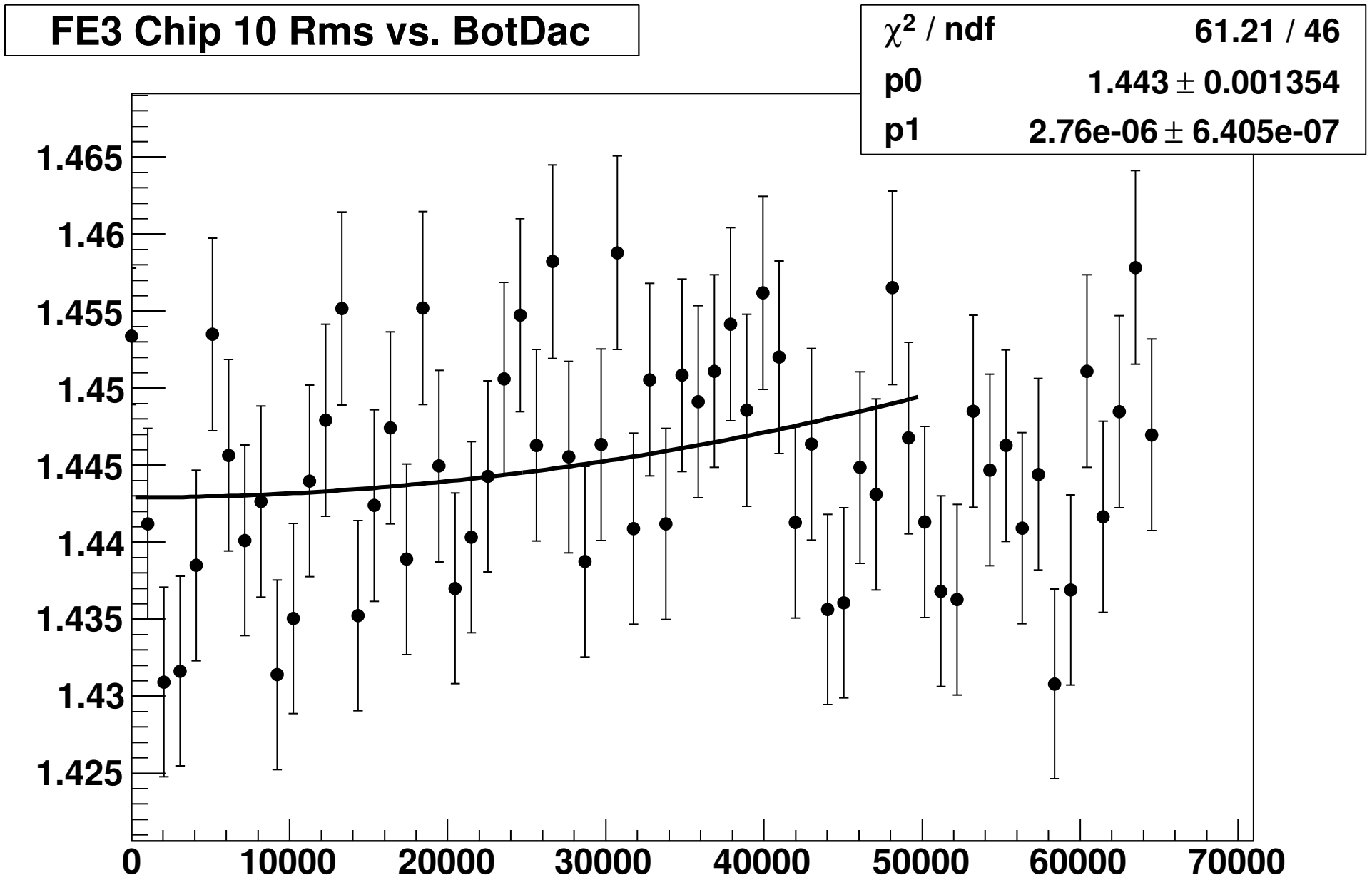

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 4571 / 46
p0 28.04 ± 0.002737
p1 3.142e-07 ± 9.51e-08
28.3
28.2
28.1
28
27.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. BotDac
χ² / ndf 50.73 / 46
p0 1.535 ± 0.00144
p1 3.016e-06 ± 6.634e-07
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 2.122e+05 / 46
p0 27.01 ± 0.002738
p1 0.4512 ± 1.093e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 2059 / 46
p0 1.399 ± 0.00154
p1 3.607e-05 ± 8.175e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 1662 / 46
p0 21.66 ± 0.002573
p1 3.831e-06 ± 8.937e-08
22
21.9
21.8
21.7
21.6
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 61.21 / 46
p0 1.443 ± 0.001354
p1 2.76e-06 ± 6.405e-07
1.465
1.46
1.455
1.45
1.445
1.44
1.435
1.43
1.425
0
10000
20000
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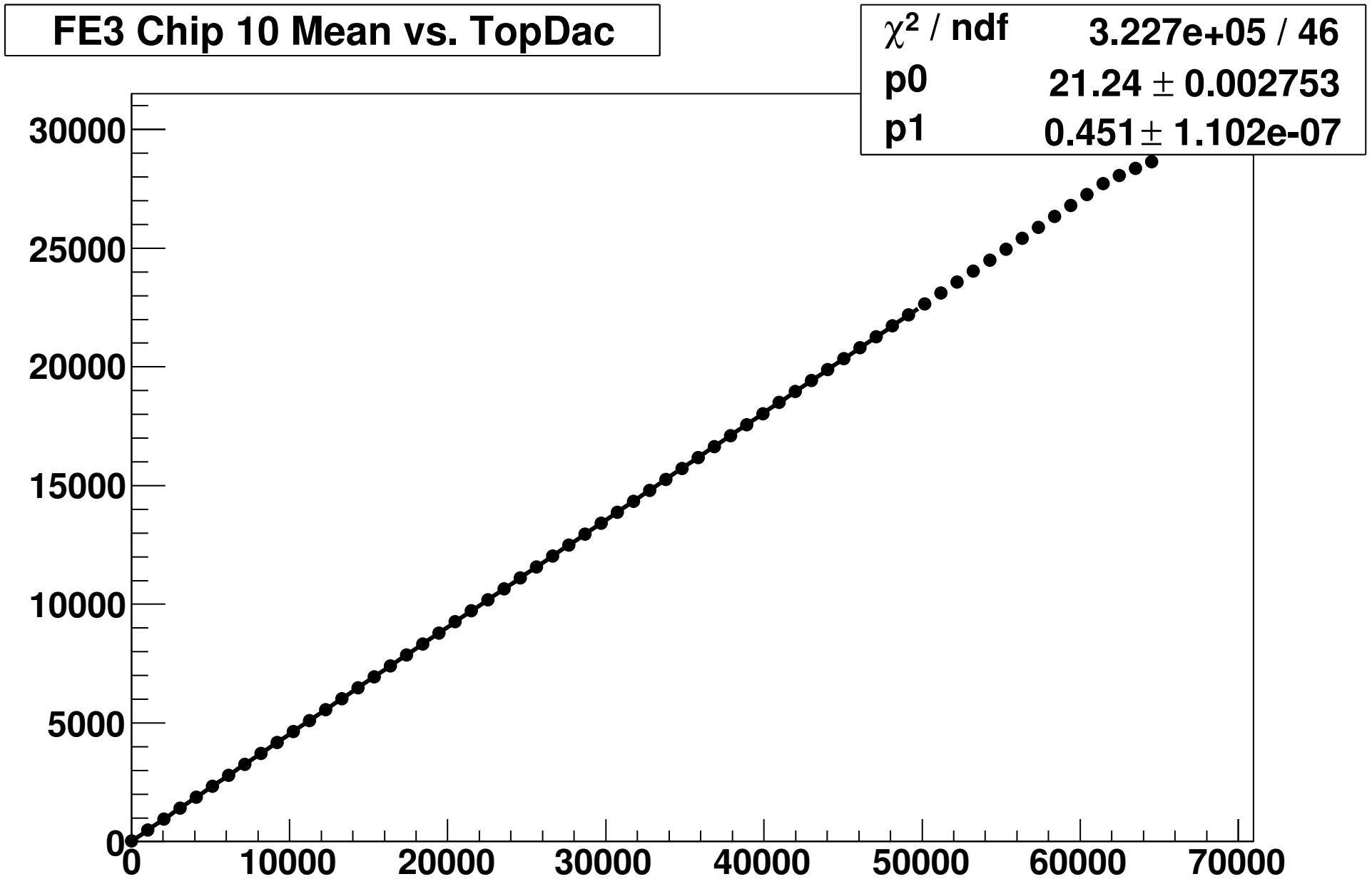
60000
70000


FE3 Chip 10 Mean vs. TopDac
χ² / ndf 3.227e+05 / 46
p0 21.24 ± 0.002753
p1 0.451 ± 1.102e-07
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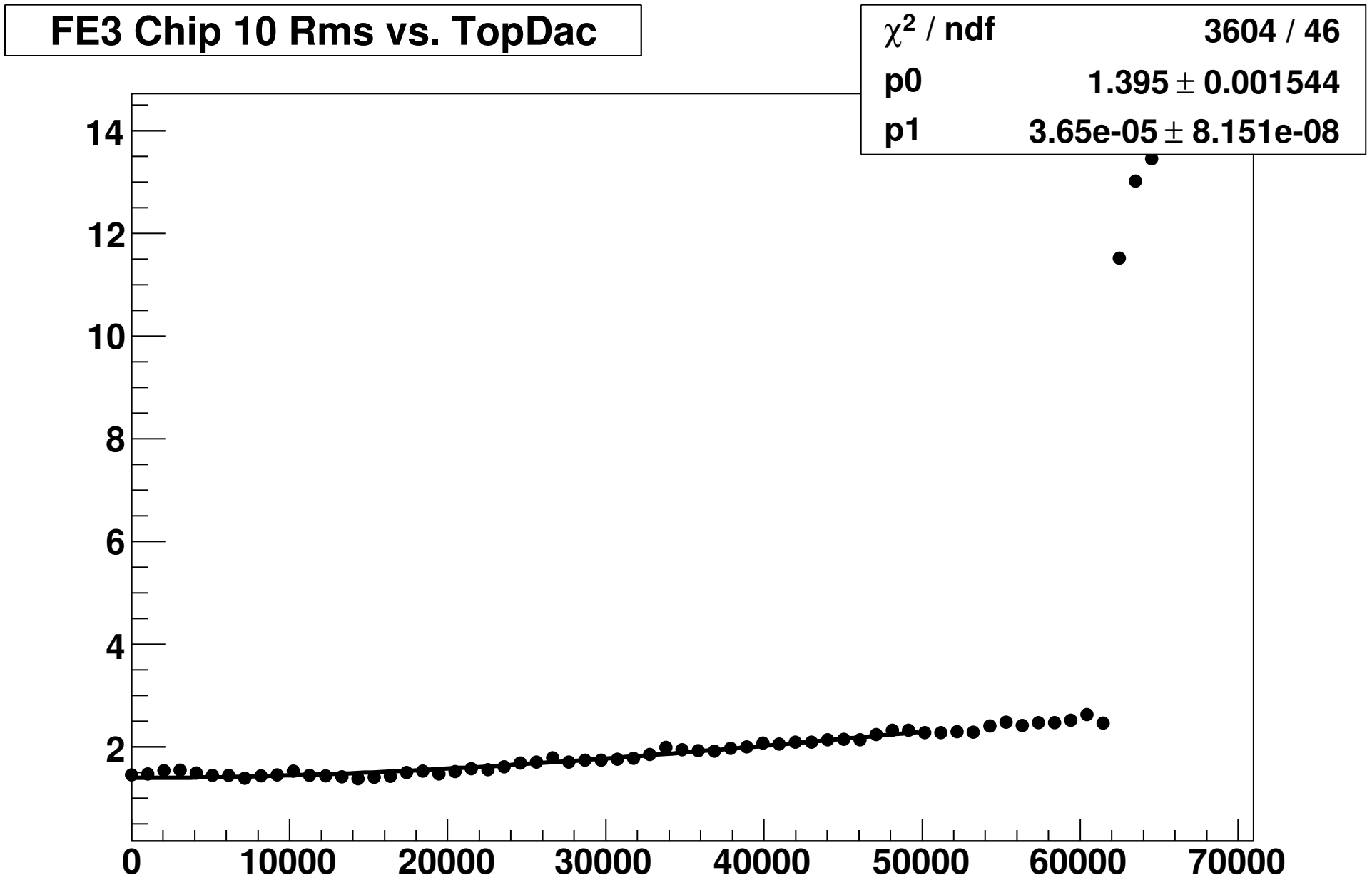
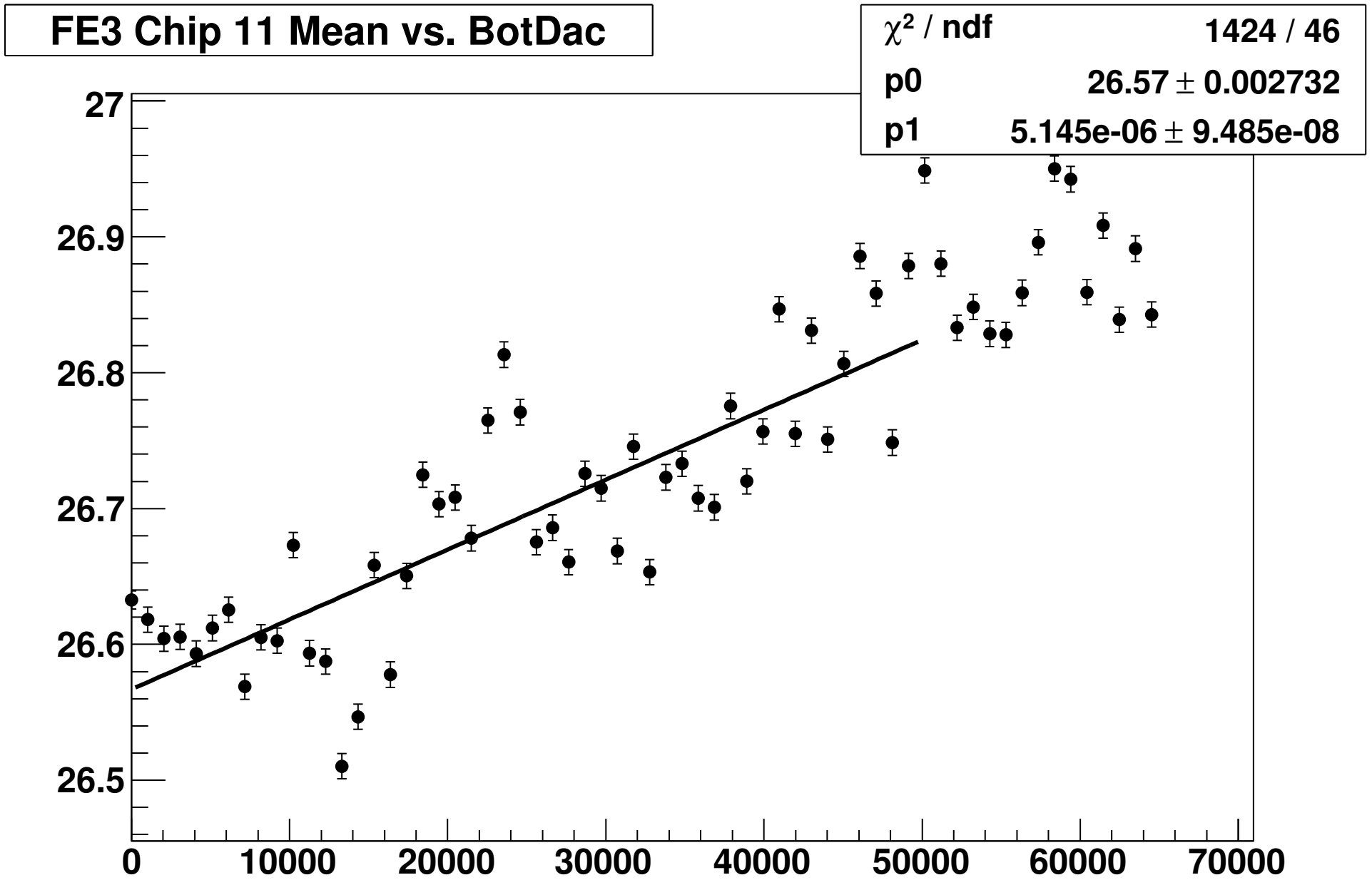
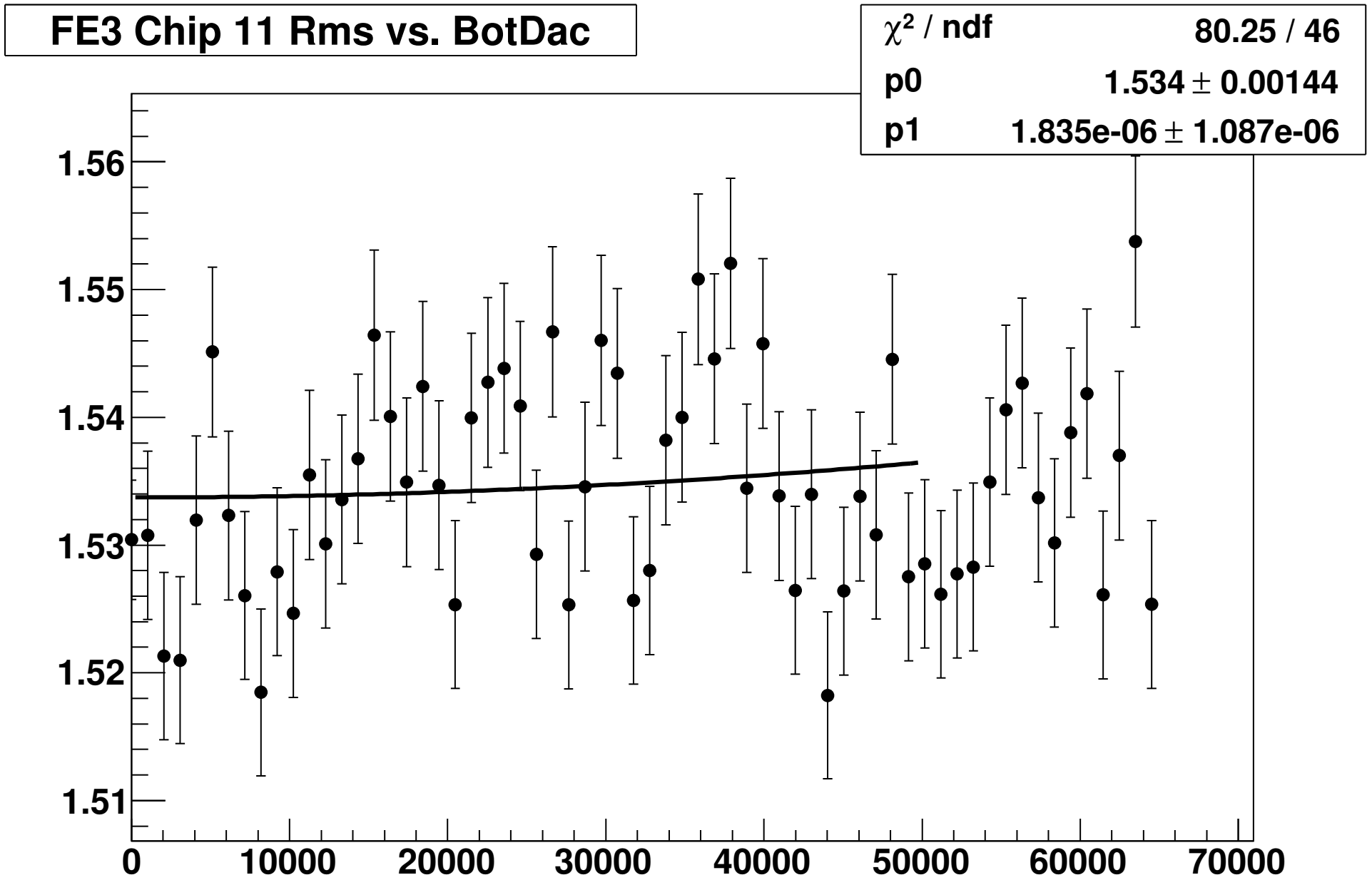
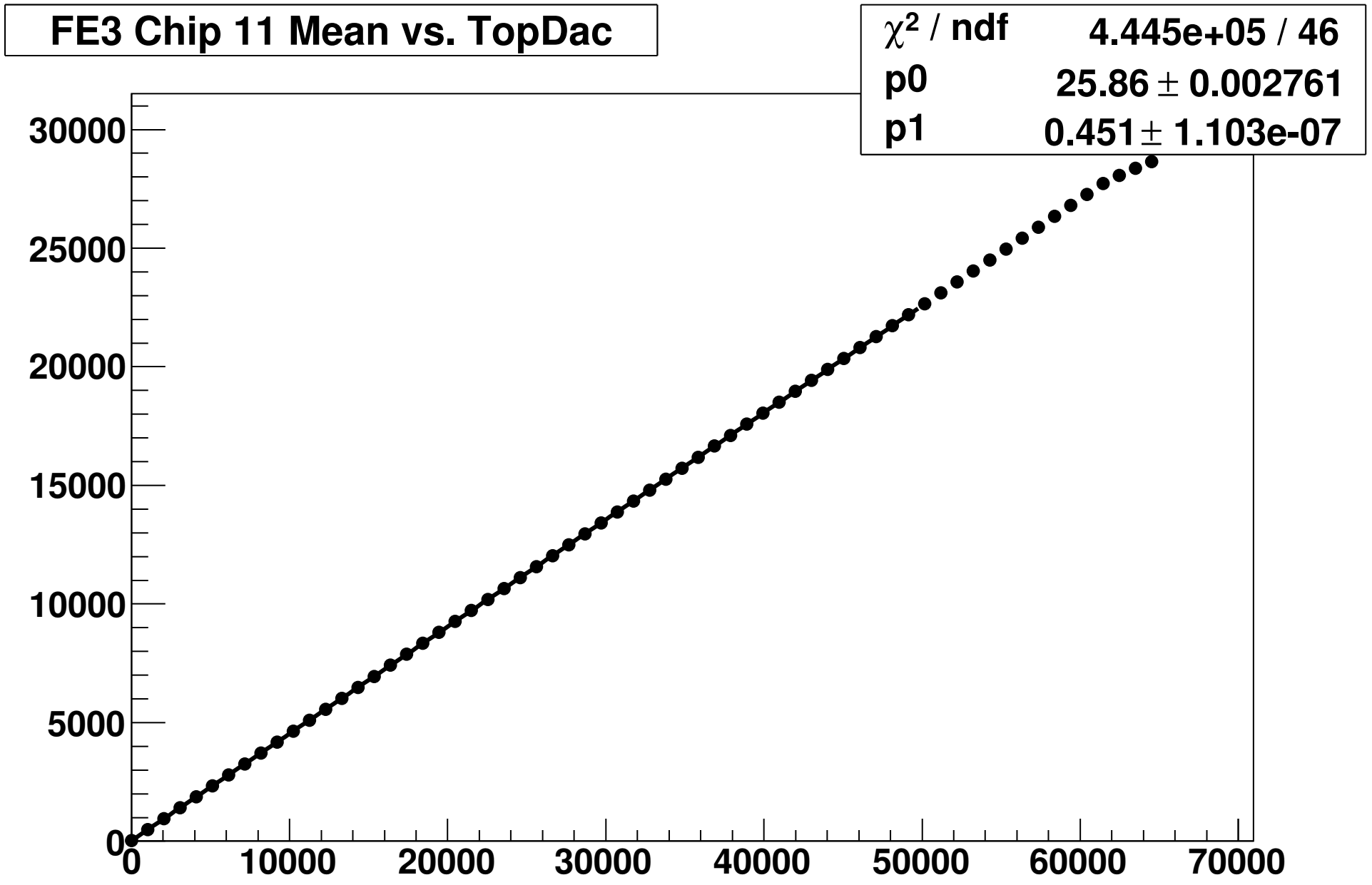
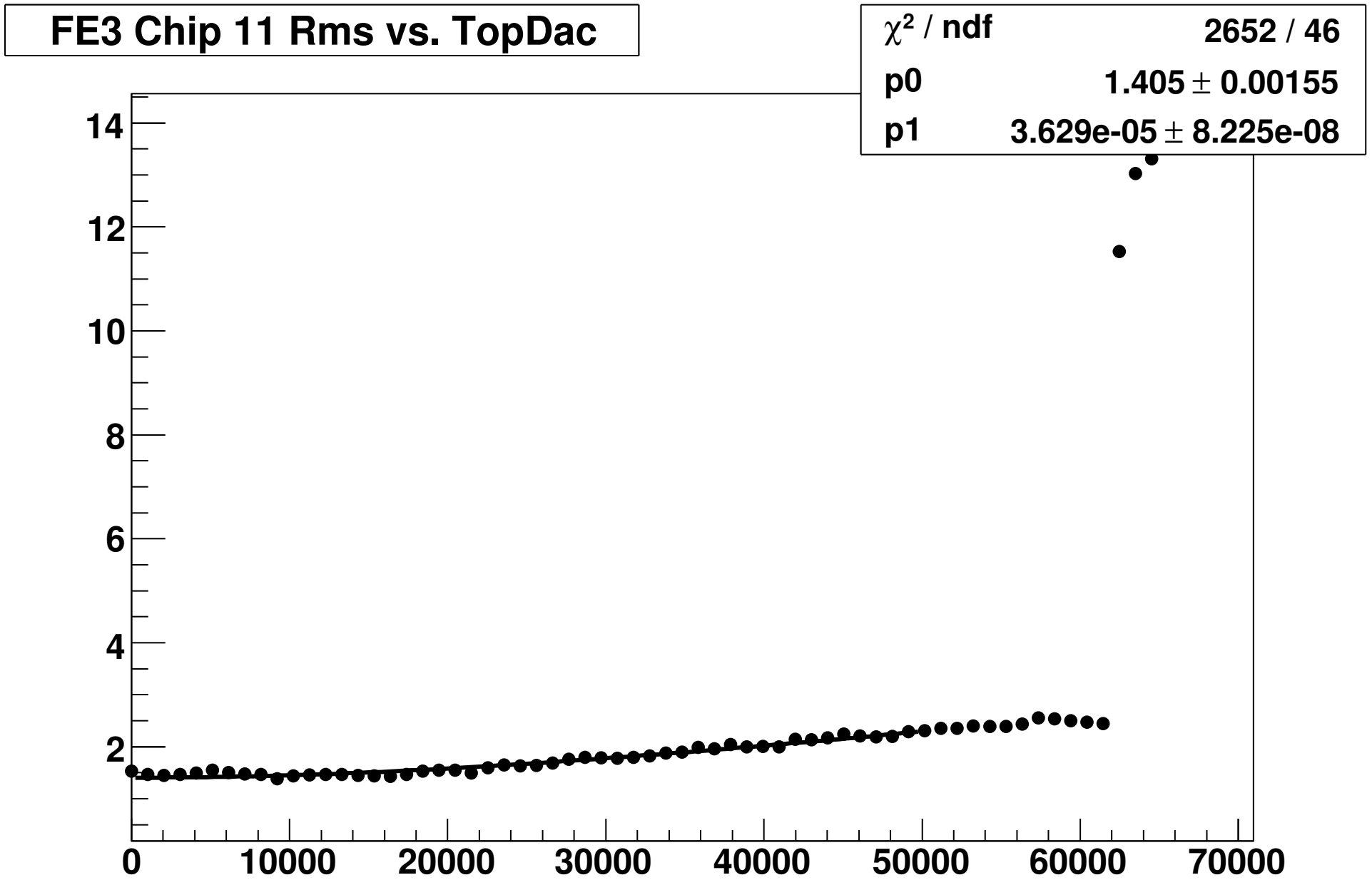
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

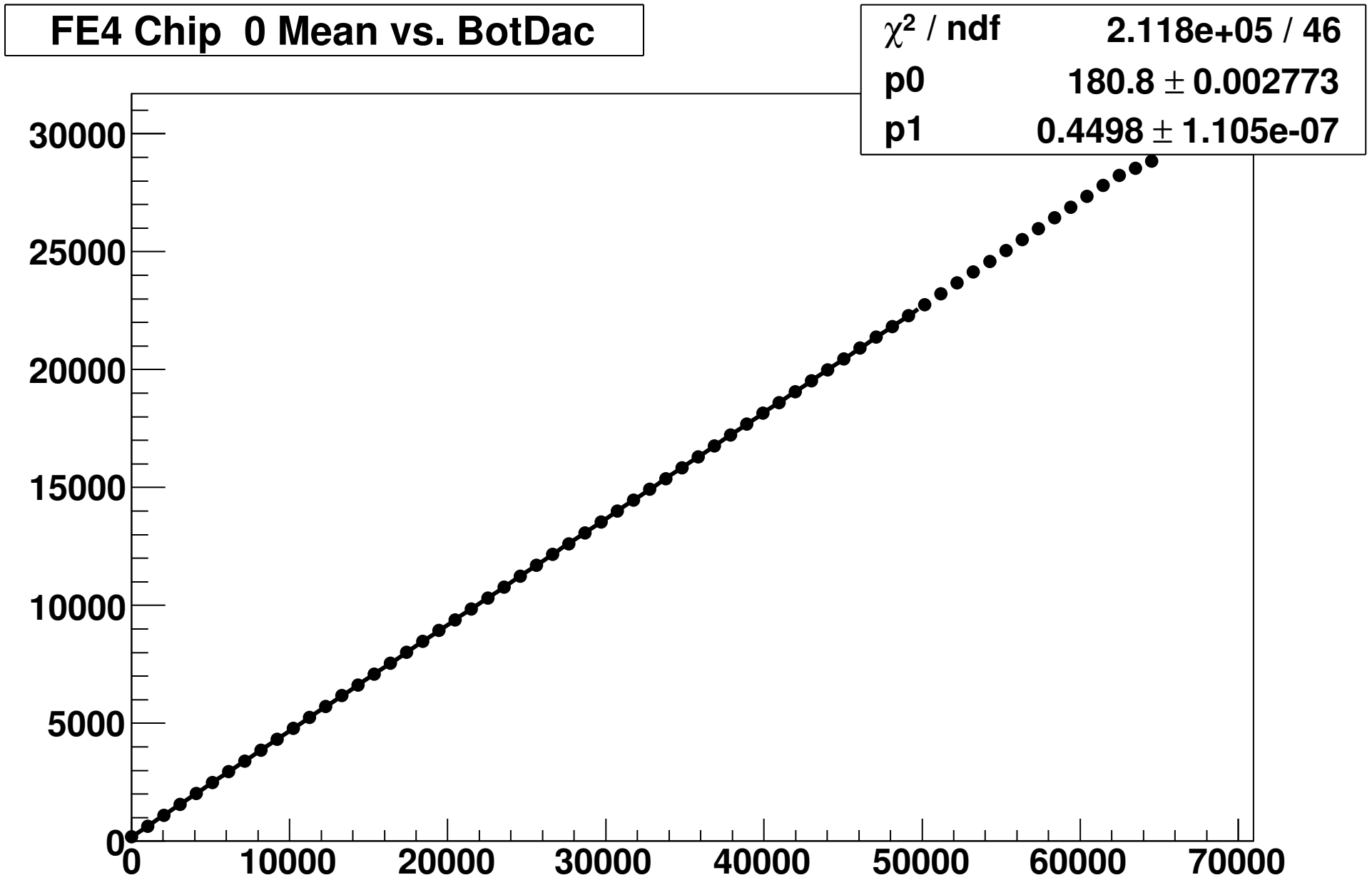

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 3604 / 46
p0 1.395 ± 0.001544
p1 3.65e-05 ± 8.151e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

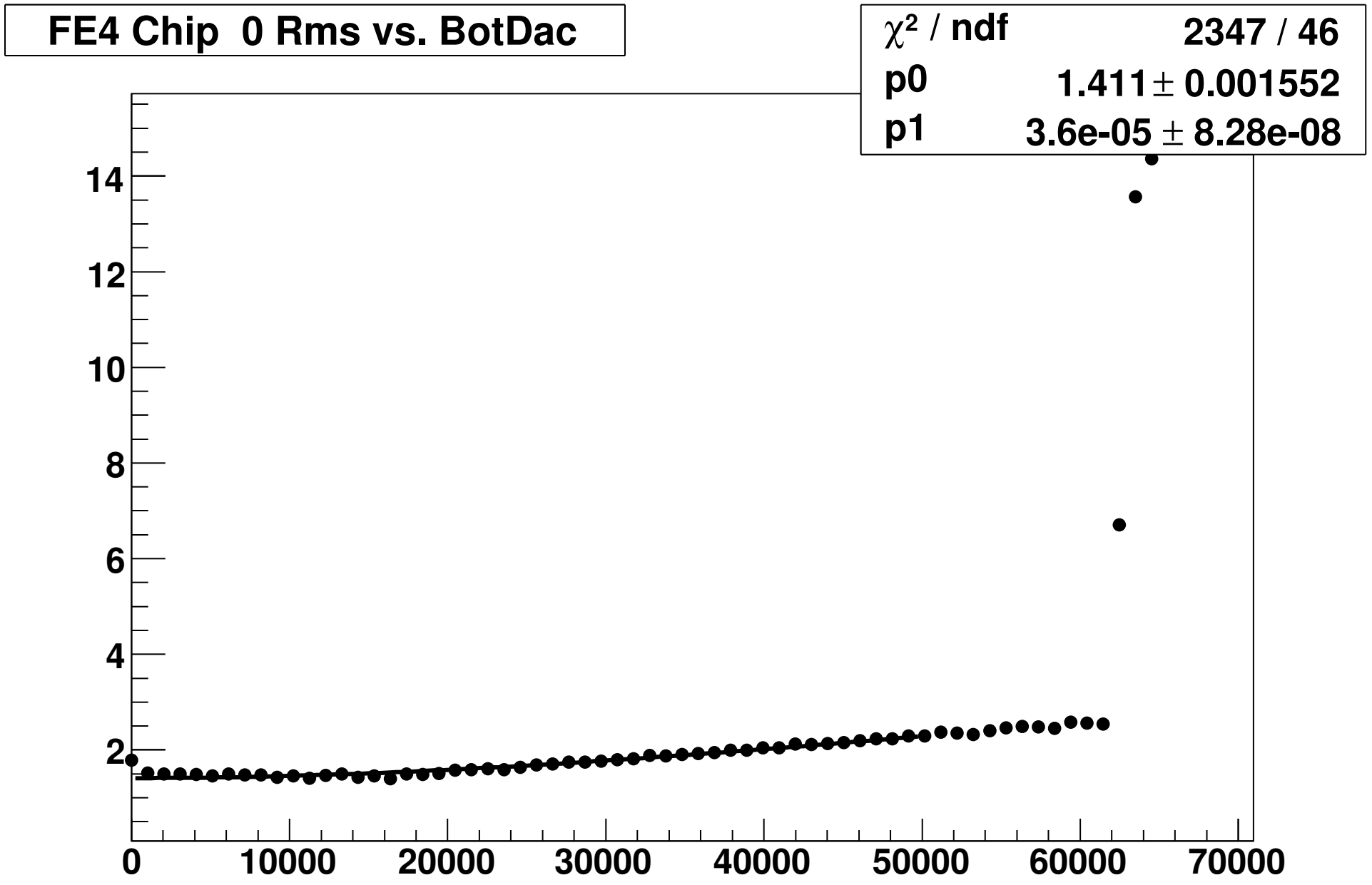

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 1424 / 46
p0 26.57 ± 0.002732
p1 5.145e-06 ± 9.485e-08
27
26.9
26.8
26.7
26.6
26.5
0
10000
20000
30000
40000
50000
60000
70000

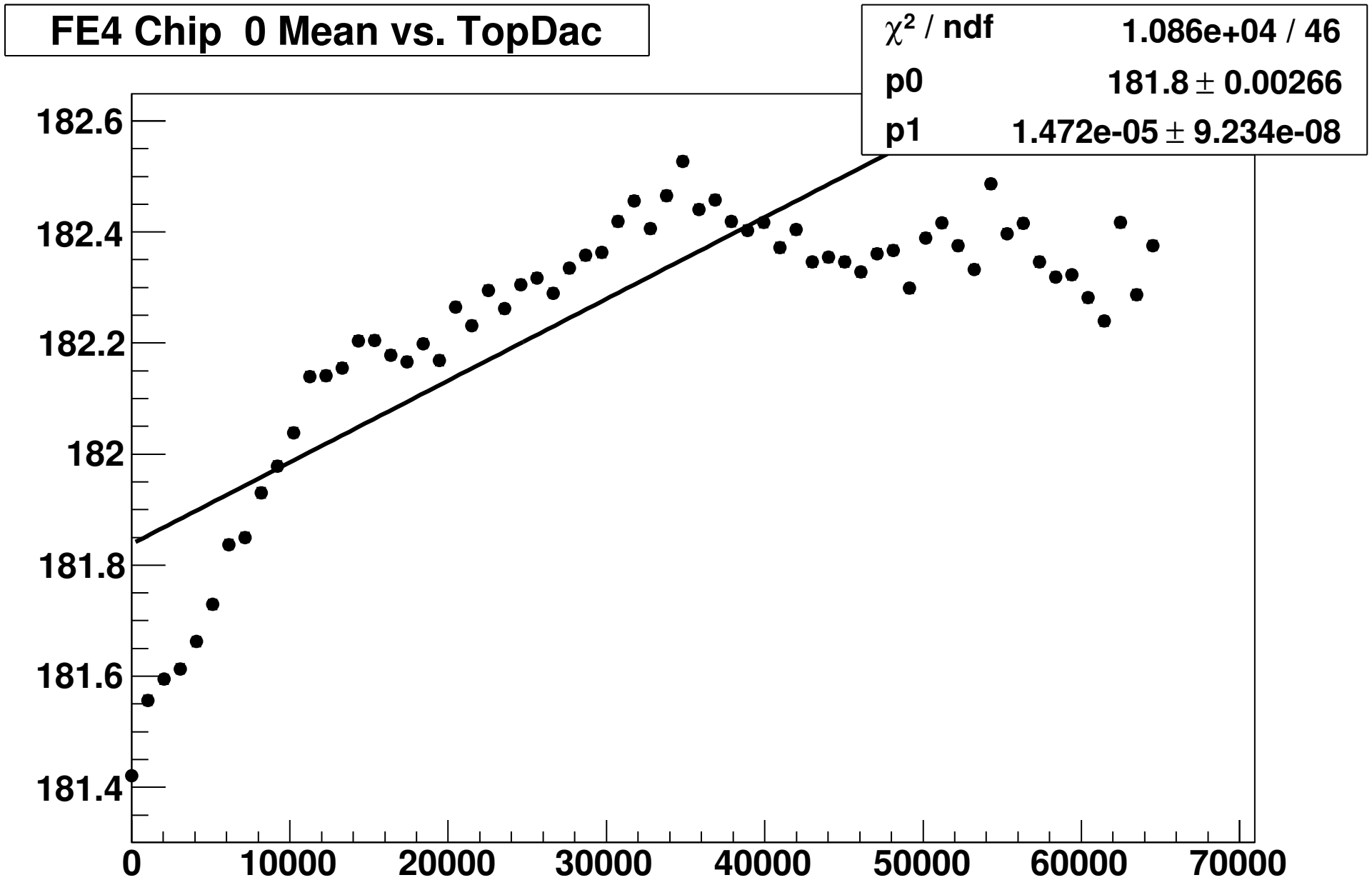

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 80.25 / 46
p0 1.534 ± 0.00144
p1 1.835e-06 ± 1.087e-06
1.56
1.55
1.54
1.53
1.52
1.51
0
10000
20000
30000
40000
50000
60000
70000

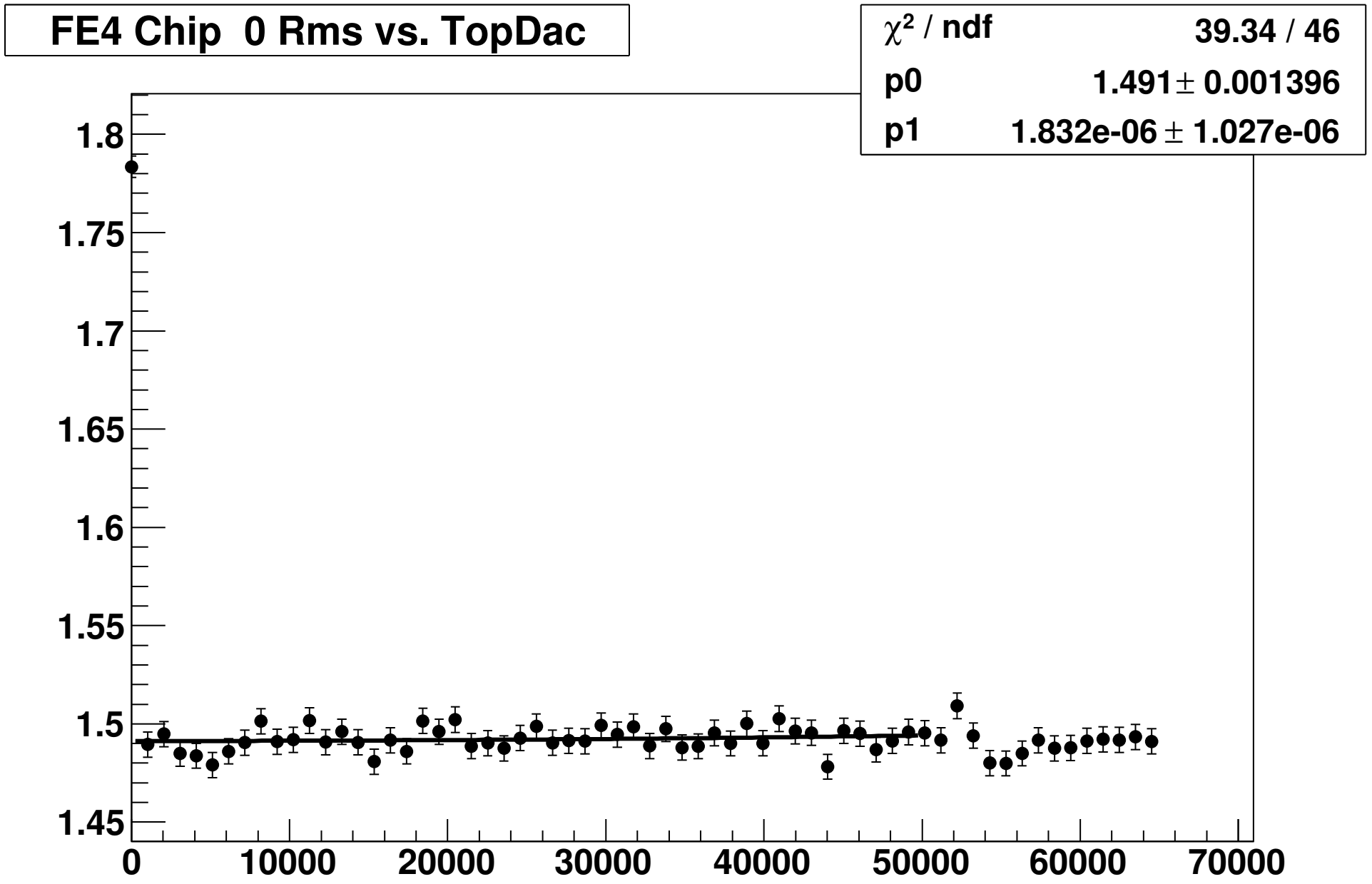

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 4.445e+05 / 46
p0 25.86 ± 0.002761
p1 0.451 ± 1.103e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

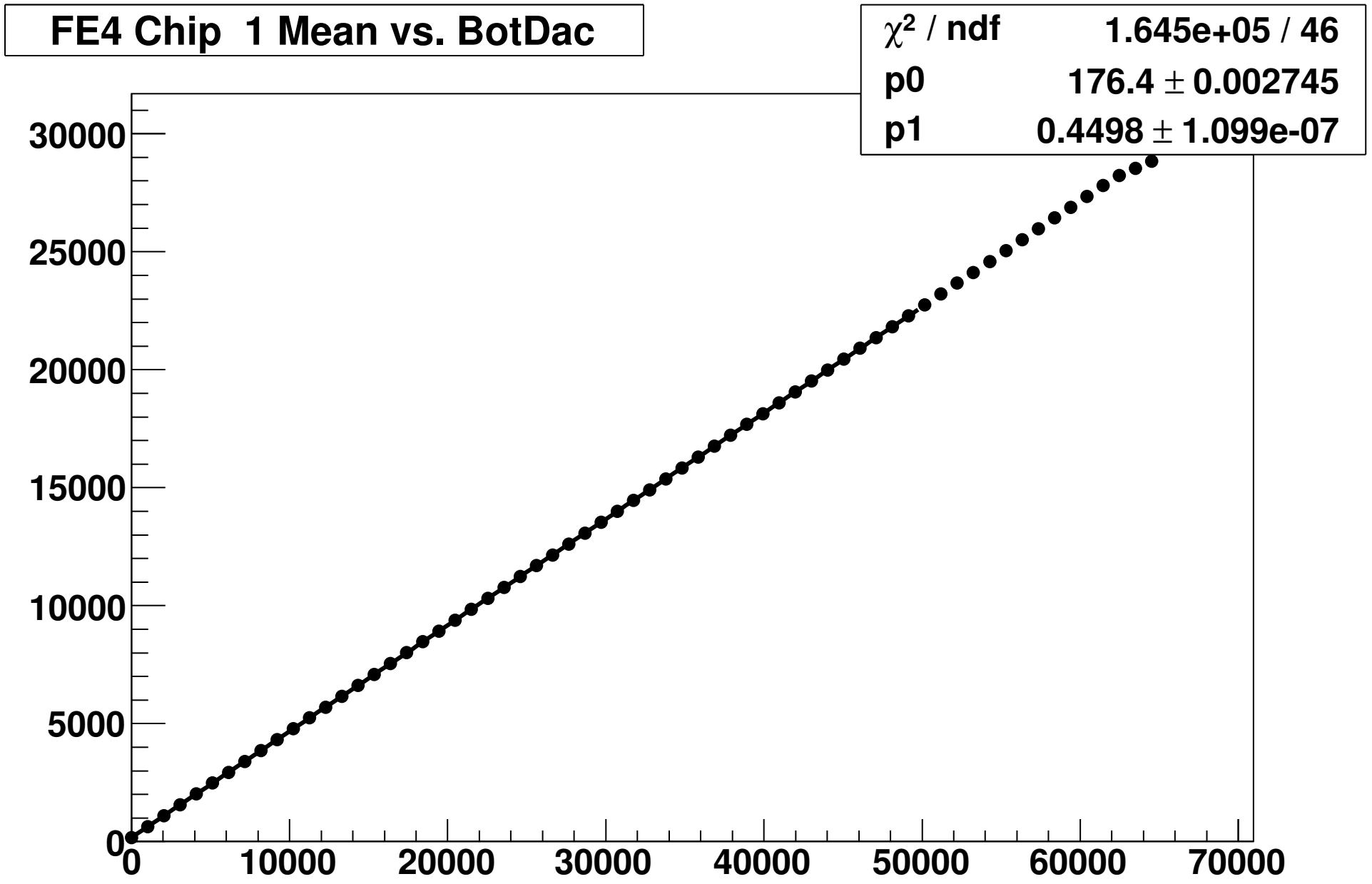

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 2652 / 46
p0 1.405 ± 0.00155
p1 3.629e-05 ± 8.225e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

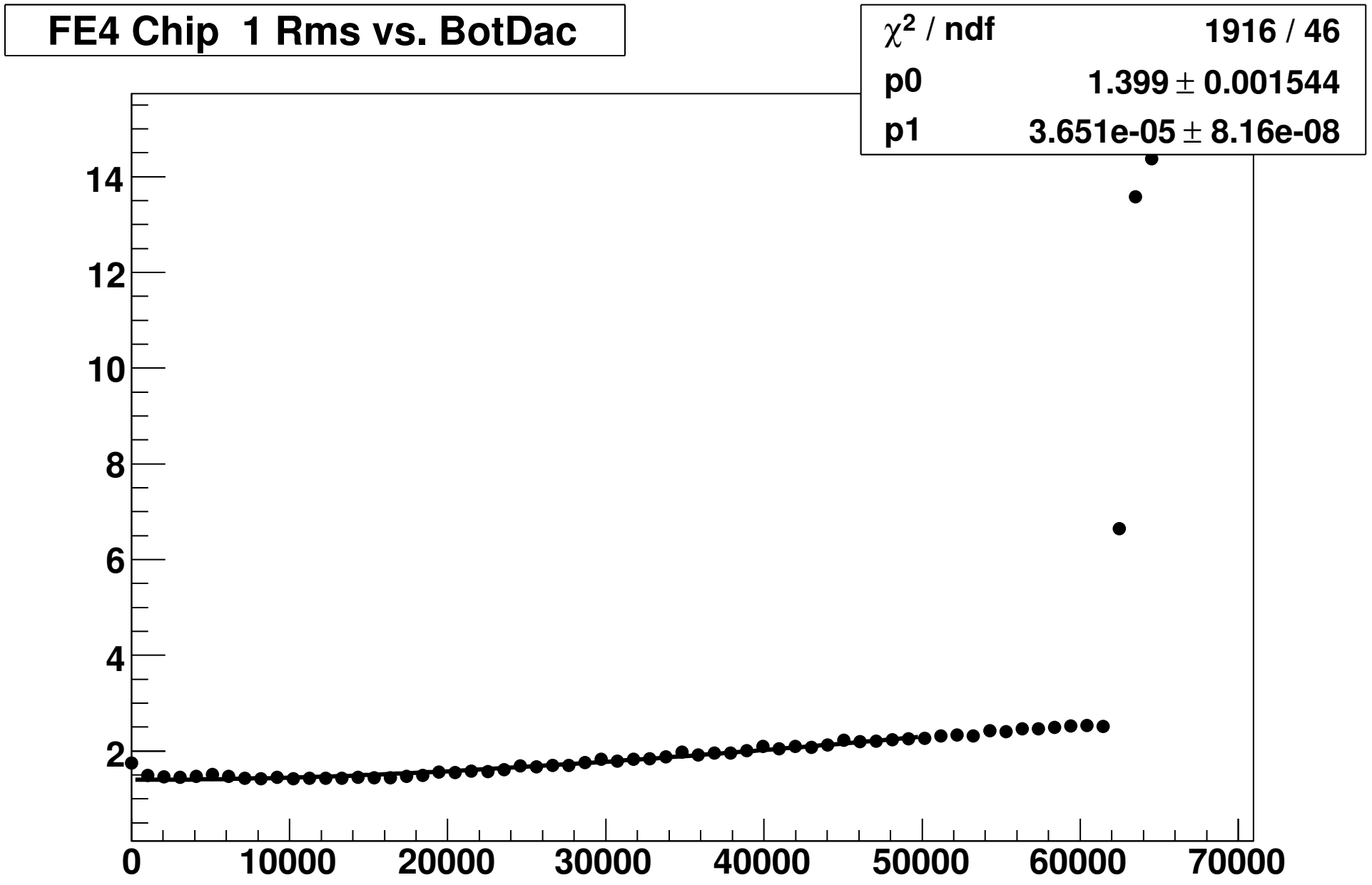

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 2.118e+05 / 46
p0 180.8 ± 0.002773
p1 0.4498 ± 1.105e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

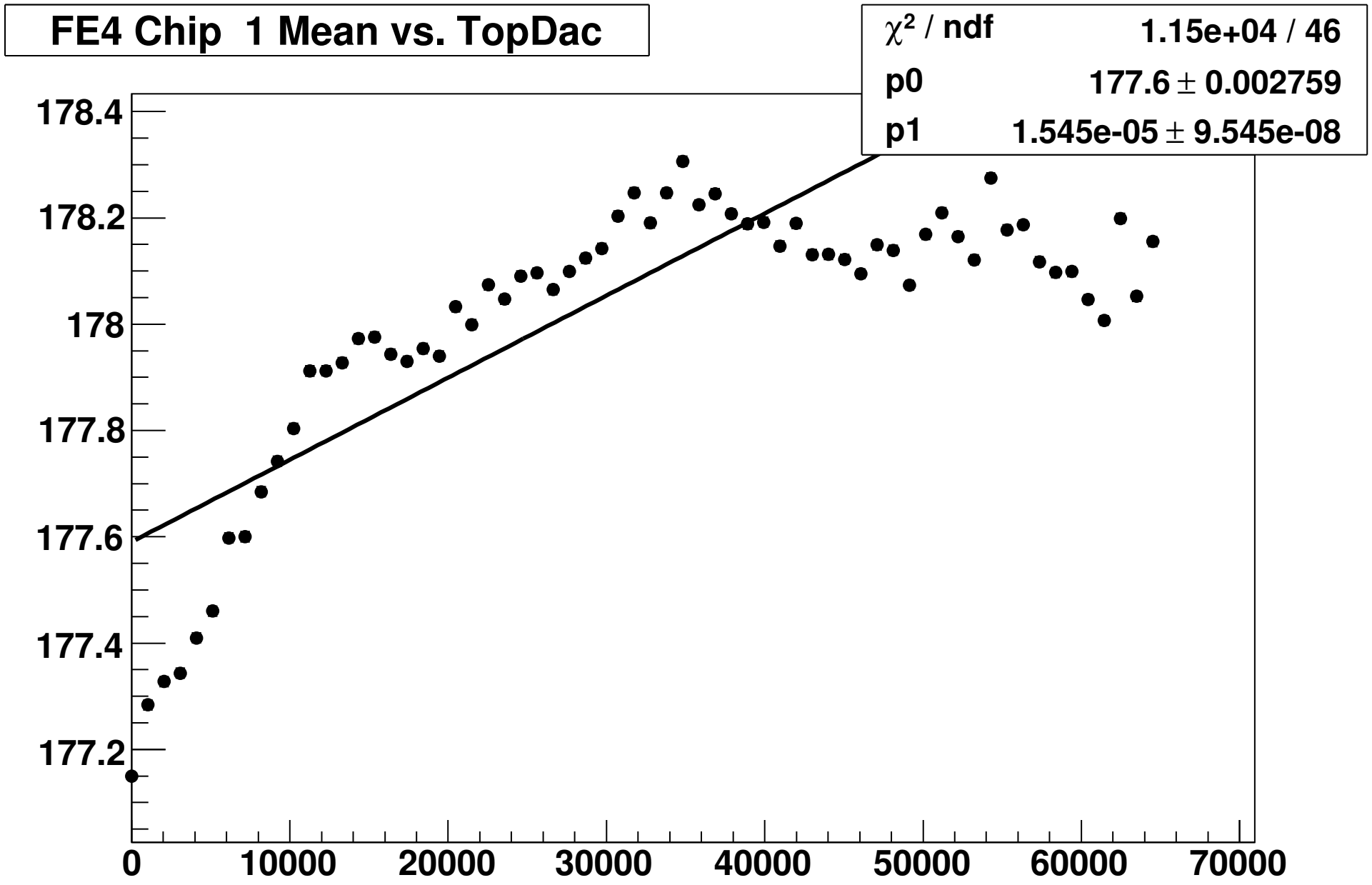

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 2347 / 46
p0 1.411 ± 0.001552
p1 3.6e-05 ± 8.28e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

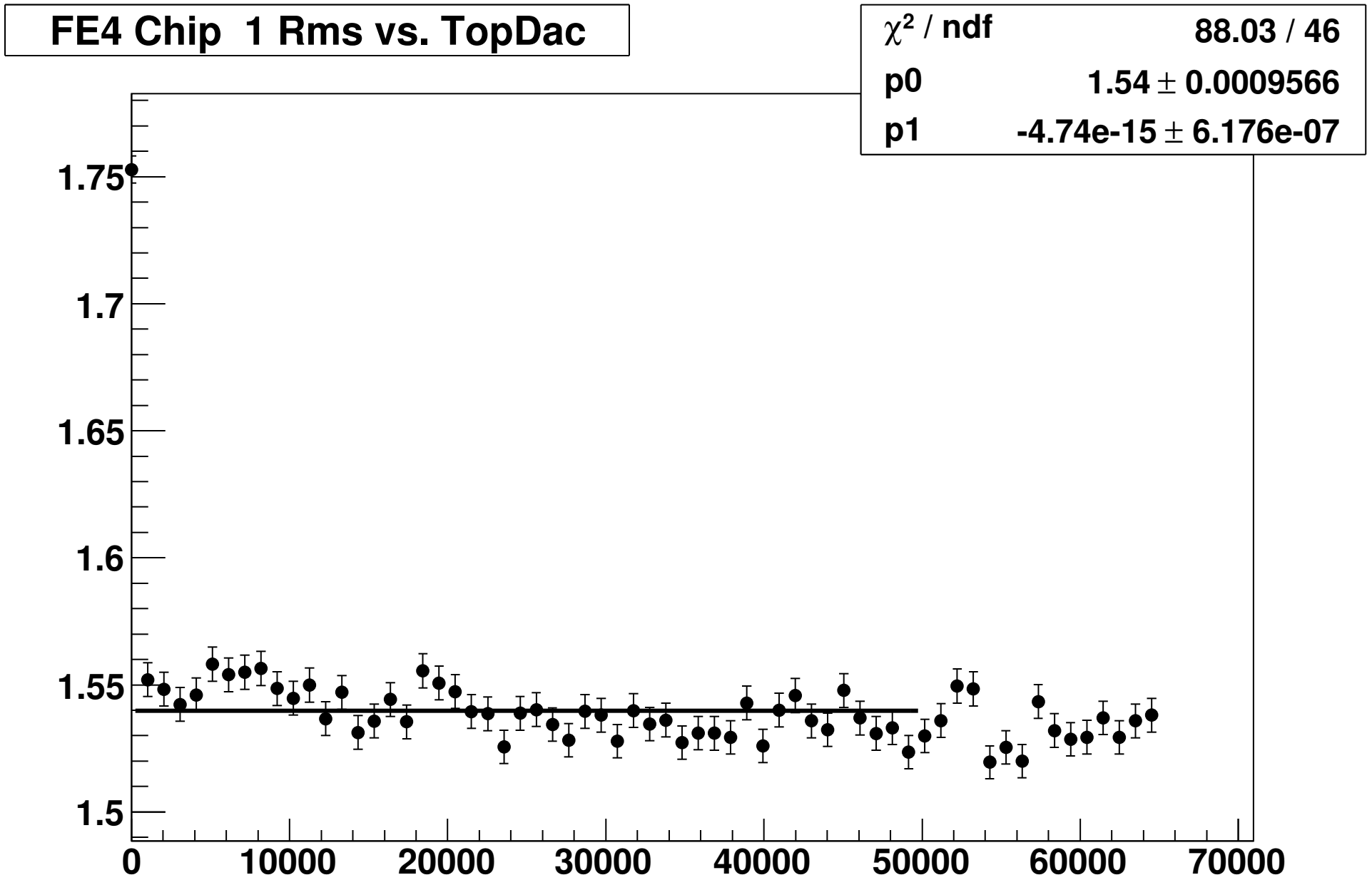

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 1.086e+04 / 46
p0 181.8 ± 0.00266
p1 1.472e-05 ± 9.234e-08
182.6
182.4
182.2
182
181.8
181.6
181.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 39.34 / 46
p0 1.491 ± 0.001396
p1 1.832e-06 ± 1.027e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.645e+05 / 46
p0 176.4 ± 0.002745
p1 0.4498 ± 1.099e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 1916 / 46
p0 1.399 ± 0.001544
p1 3.651e-05 ± 8.16e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 1.15e+04 / 46
p0 177.6 ± 0.002759
p1 1.545e-05 ± 9.545e-08
178.4
178.2
178
177.8
177.6
177.4
177.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 88.03 / 46
p0 1.54 ± 0.0009566
p1 -4.74e-15 ± 6.176e-07
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
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60000
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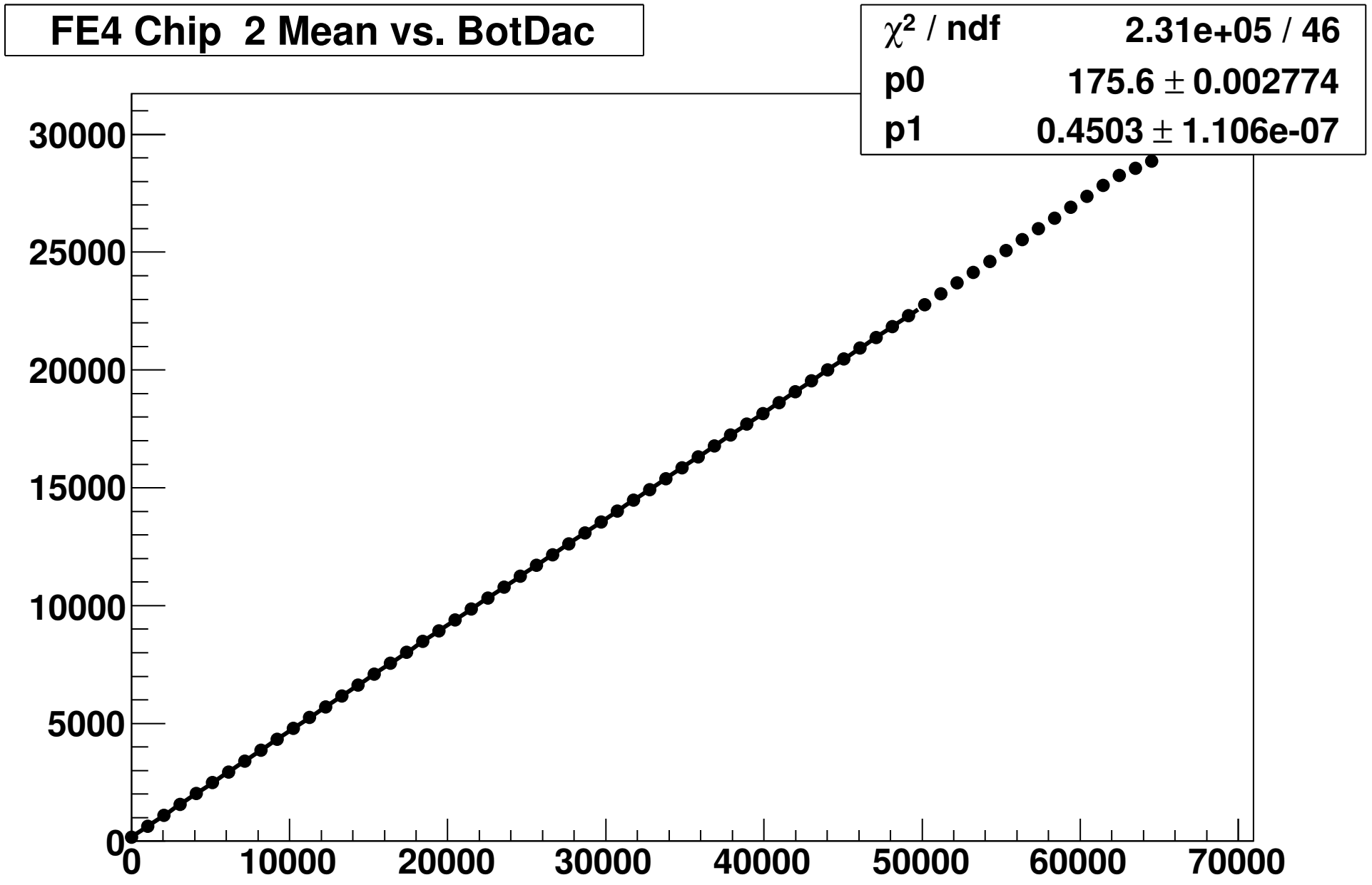
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 2.31e+05 / 46
p0 175.6 ± 0.002774
p1 0.4503 ± 1.106e-07
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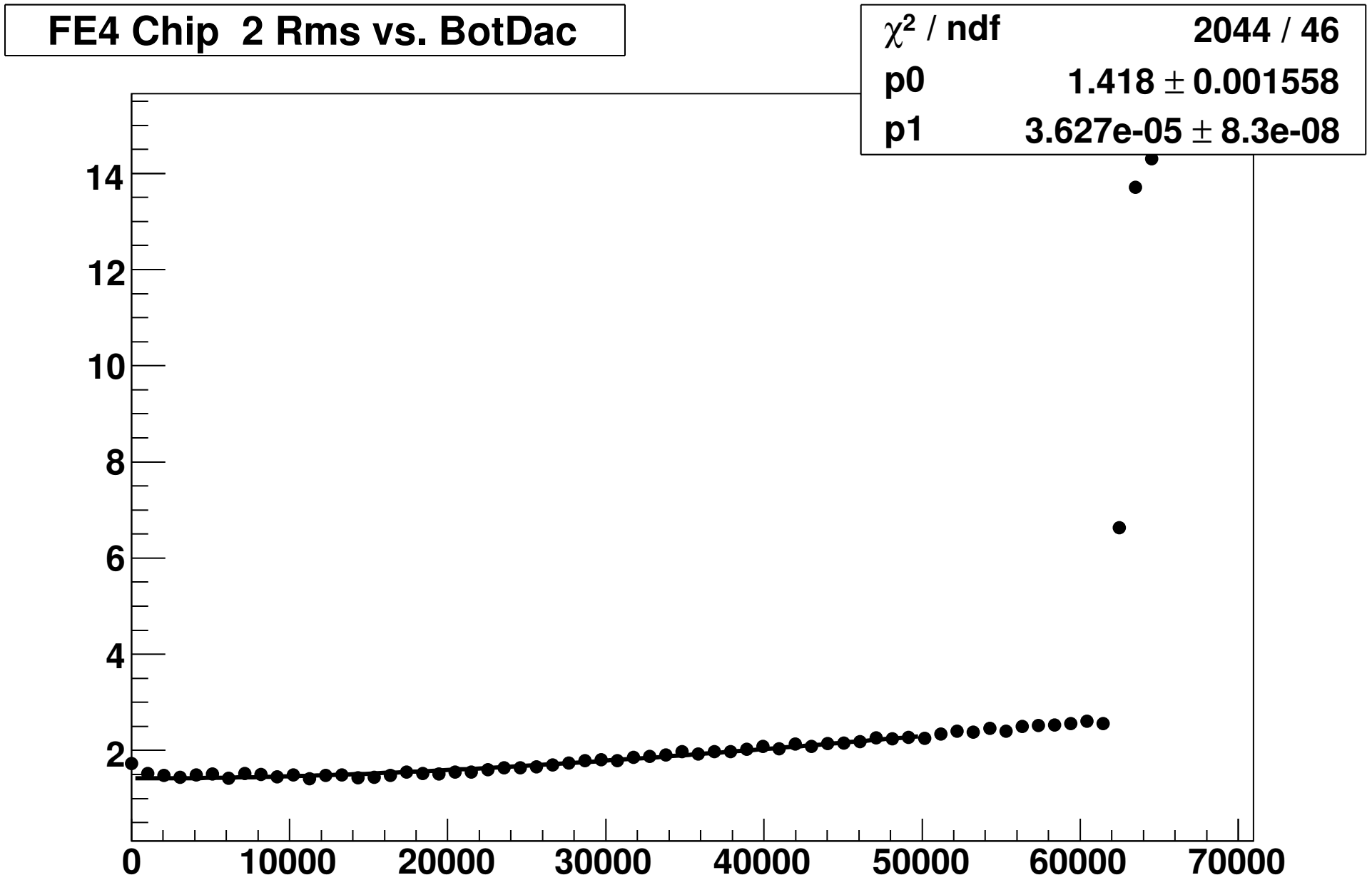
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 2044 / 46
p0 1.418 ± 0.001558
p1 3.627e-05 ± 8.3e-08
14
12
10
8
6
4
2
0
10000
20000
30000
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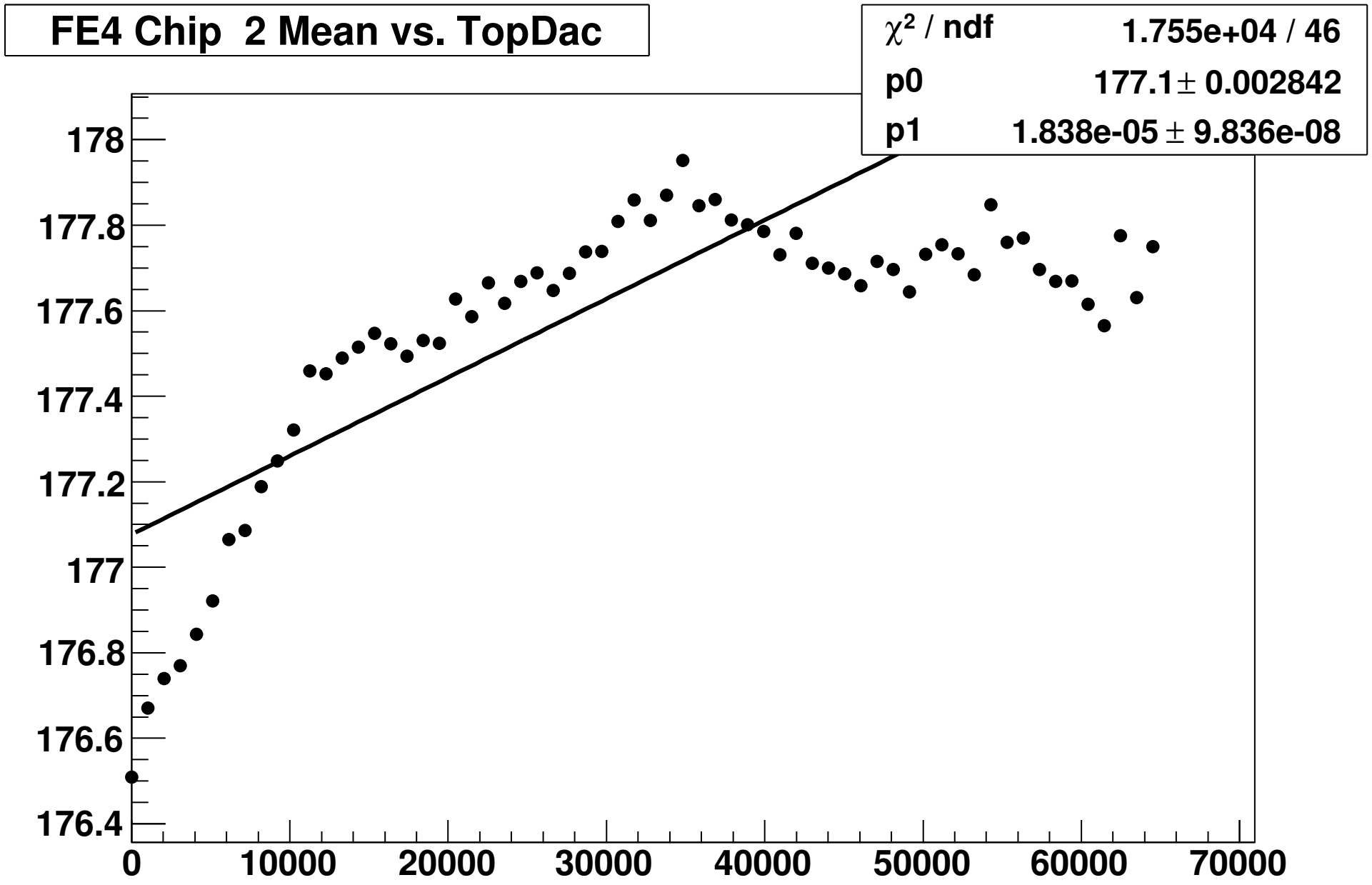
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 1.755e+04 / 46
p0 177.1 ± 0.002842
p1 1.838e-05 ± 9.836e-08
178
177.8
177.6
177.4
177.2
177
176.8
176.6
176.4
0
10000
20000
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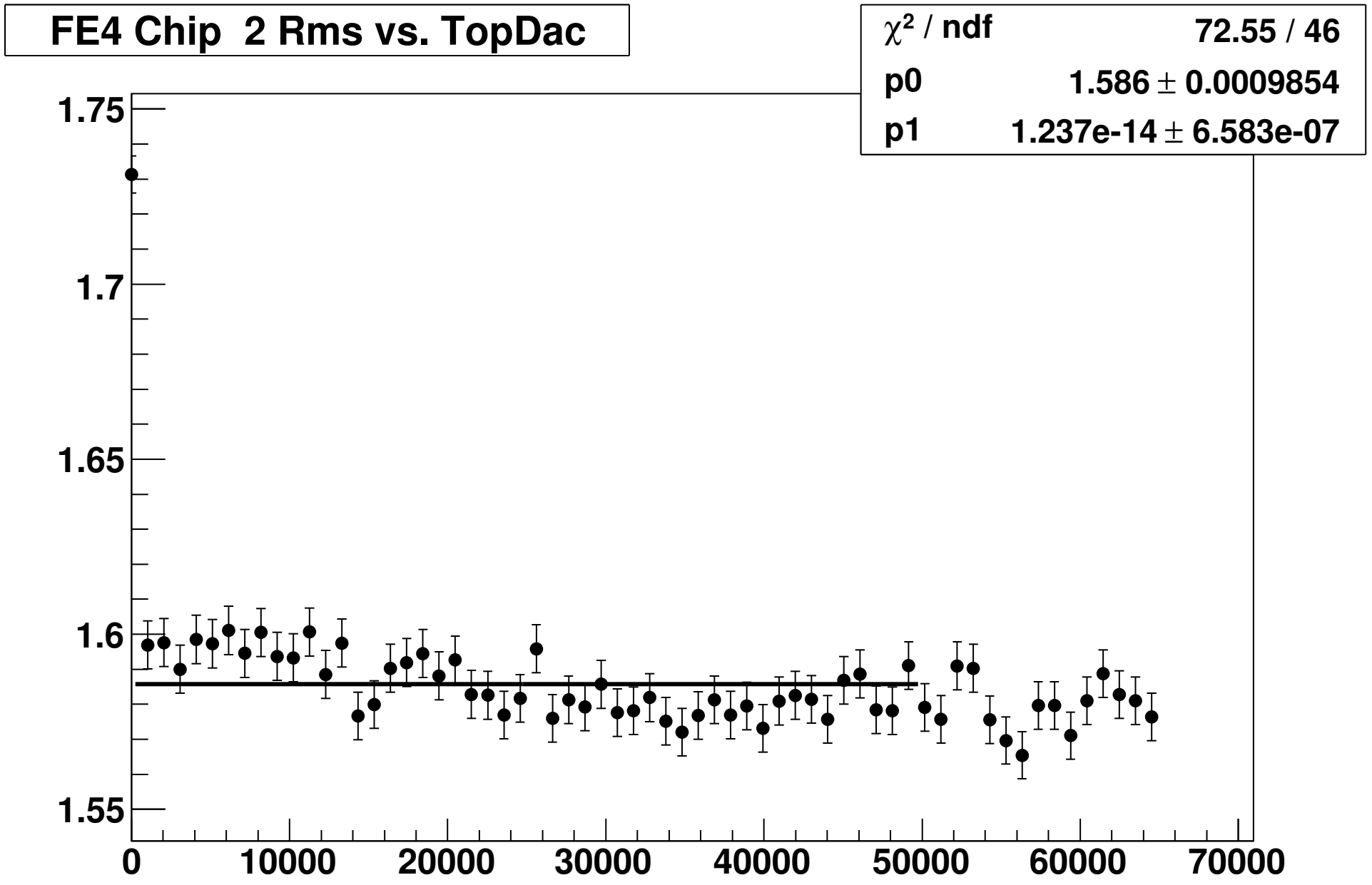
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 72.55 / 46
p0 1.586 ± 0.0009854
p1 1.237e-14 ± 6.583e-07
1.75
1.7
1.65
1.6
1.55
0
10000
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30000
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60000
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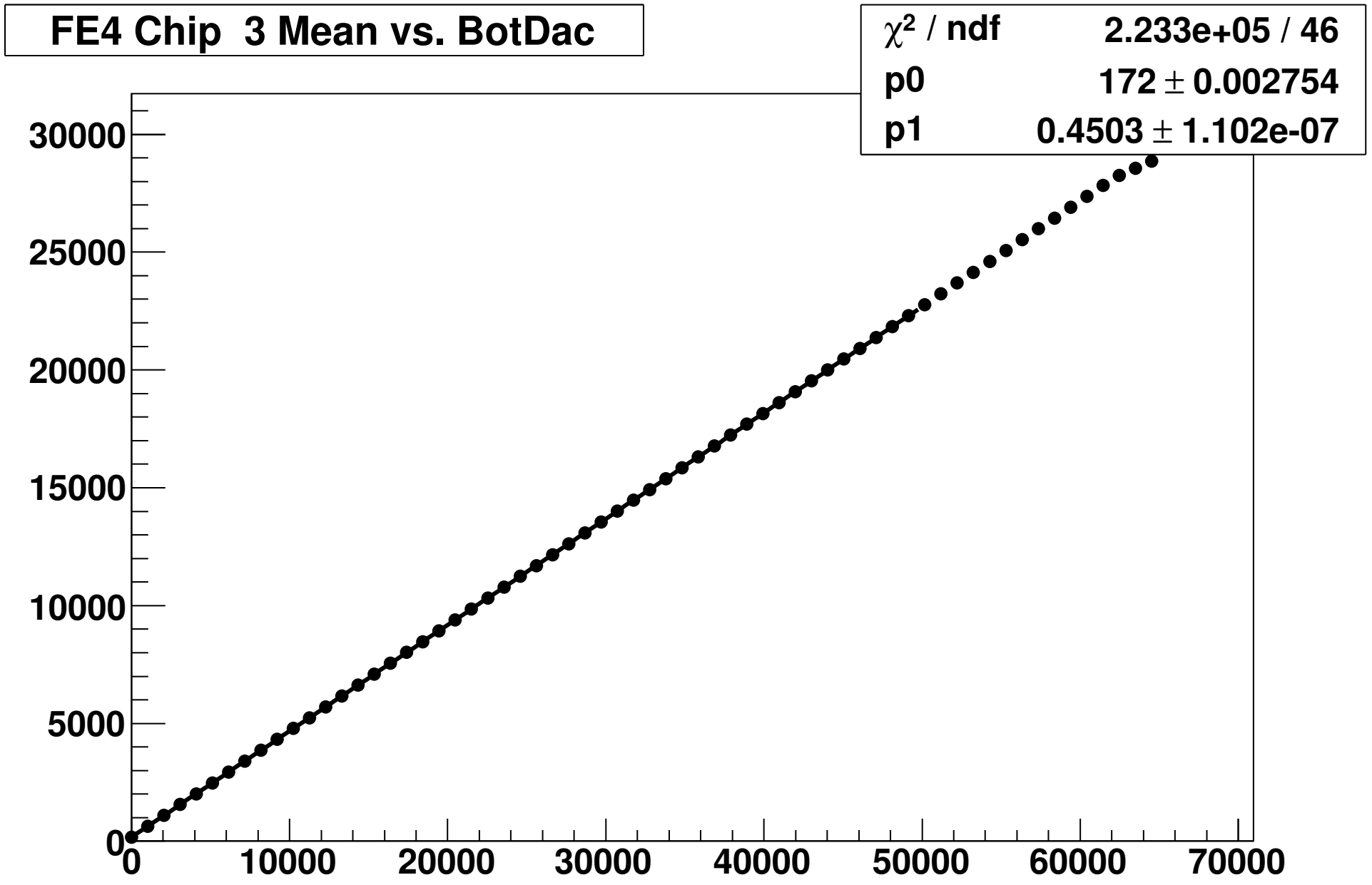
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 2.233e+05 / 46
p0 172 ± 0.002754
p1 0.4503 ± 1.102e-07
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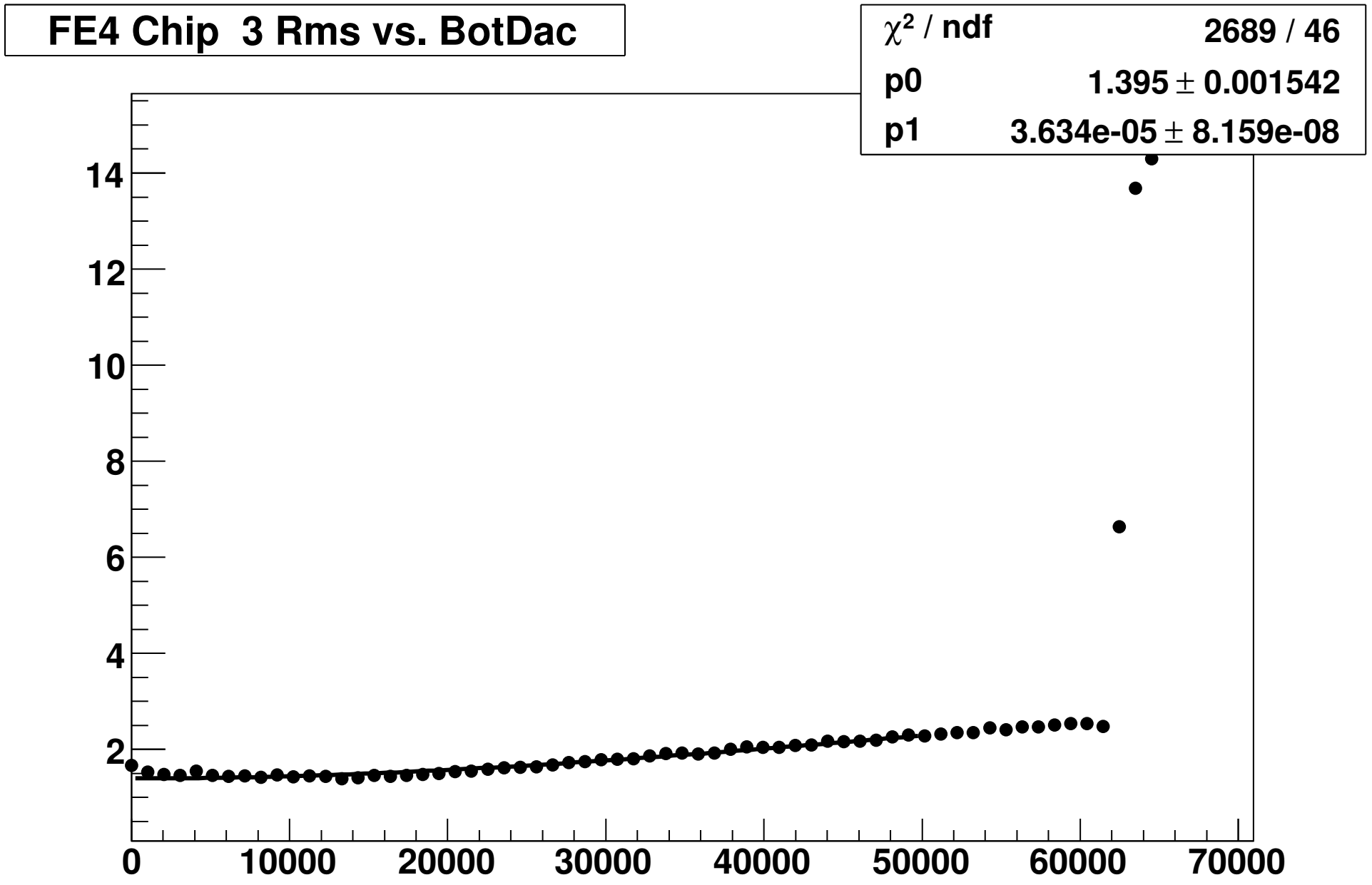
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 2689 / 46
p0 1.395 ± 0.001542
p1 3.634e-05 ± 8.159e-08
14
12
10
8
6
4
2
0
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20000
30000
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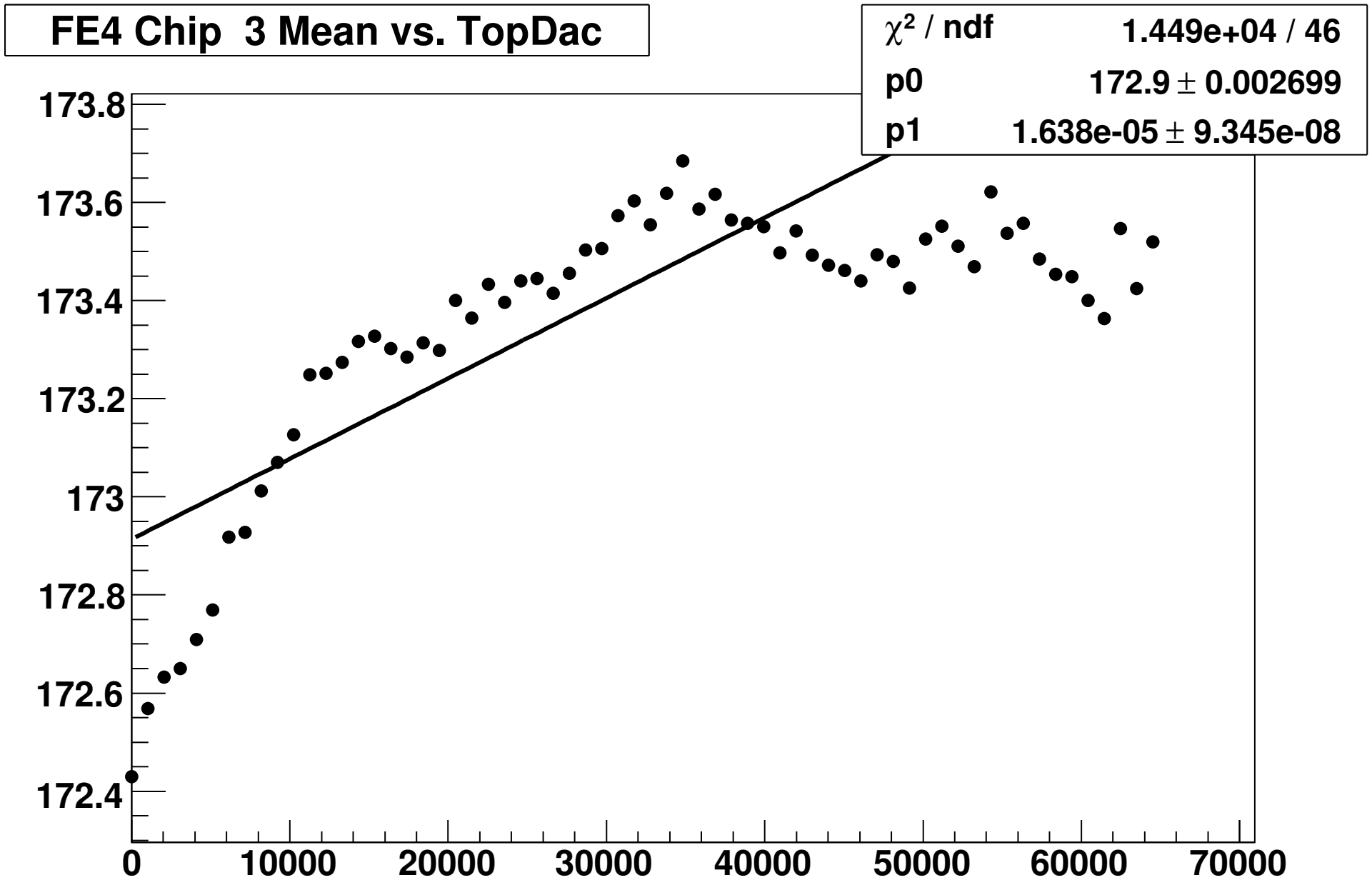
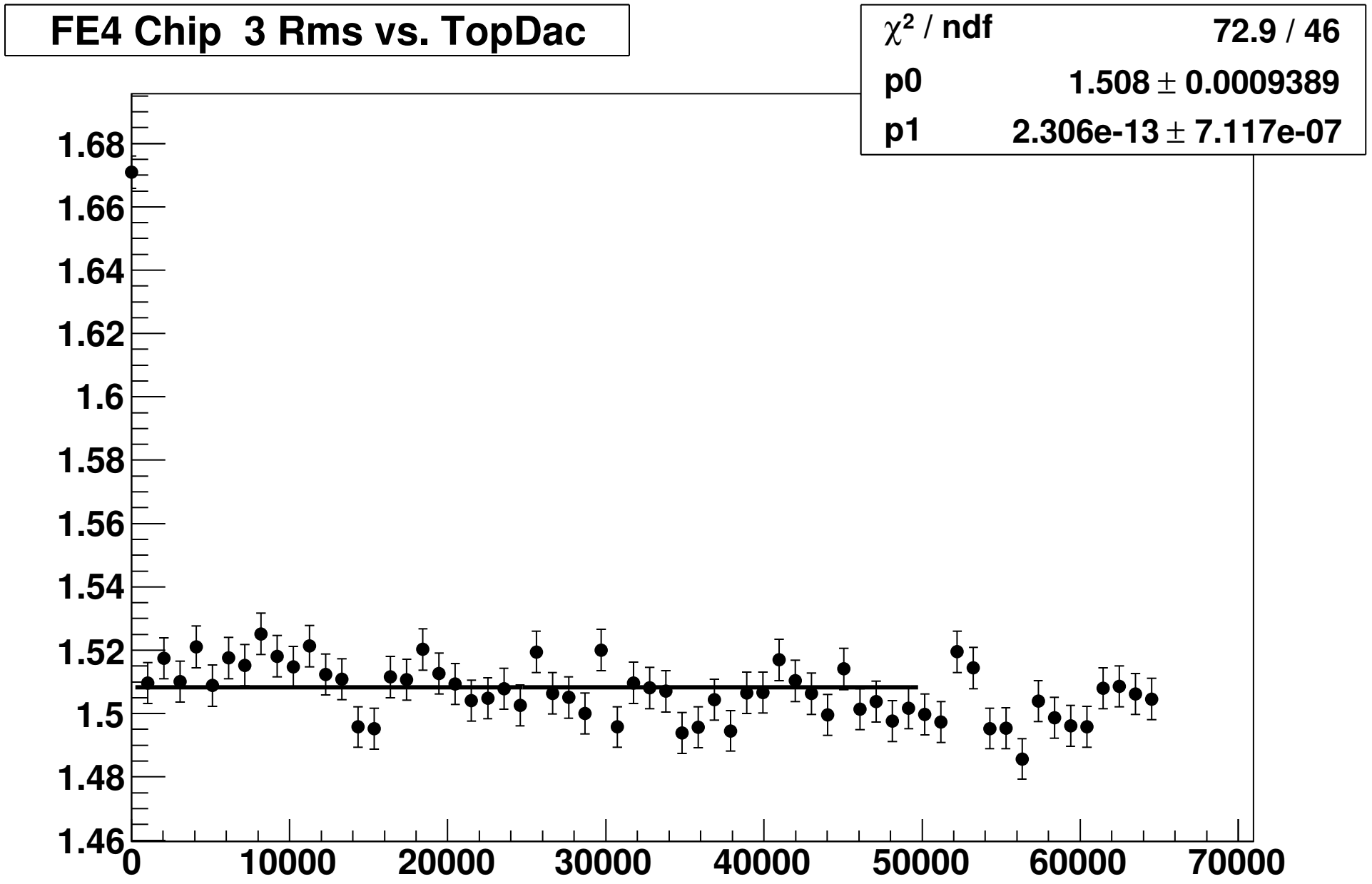
60000
70000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 1.449e+04 / 46
p0 172.9 ± 0.002699
p1 1.638e-05 ± 9.345e-08
173.8
173.6
173.4
173.2
173
172.8
172.6
172.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 72.9 / 46
p0 1.508 ± 0.0009389
p1 2.306e-13 ± 7.117e-07
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
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50000
60000
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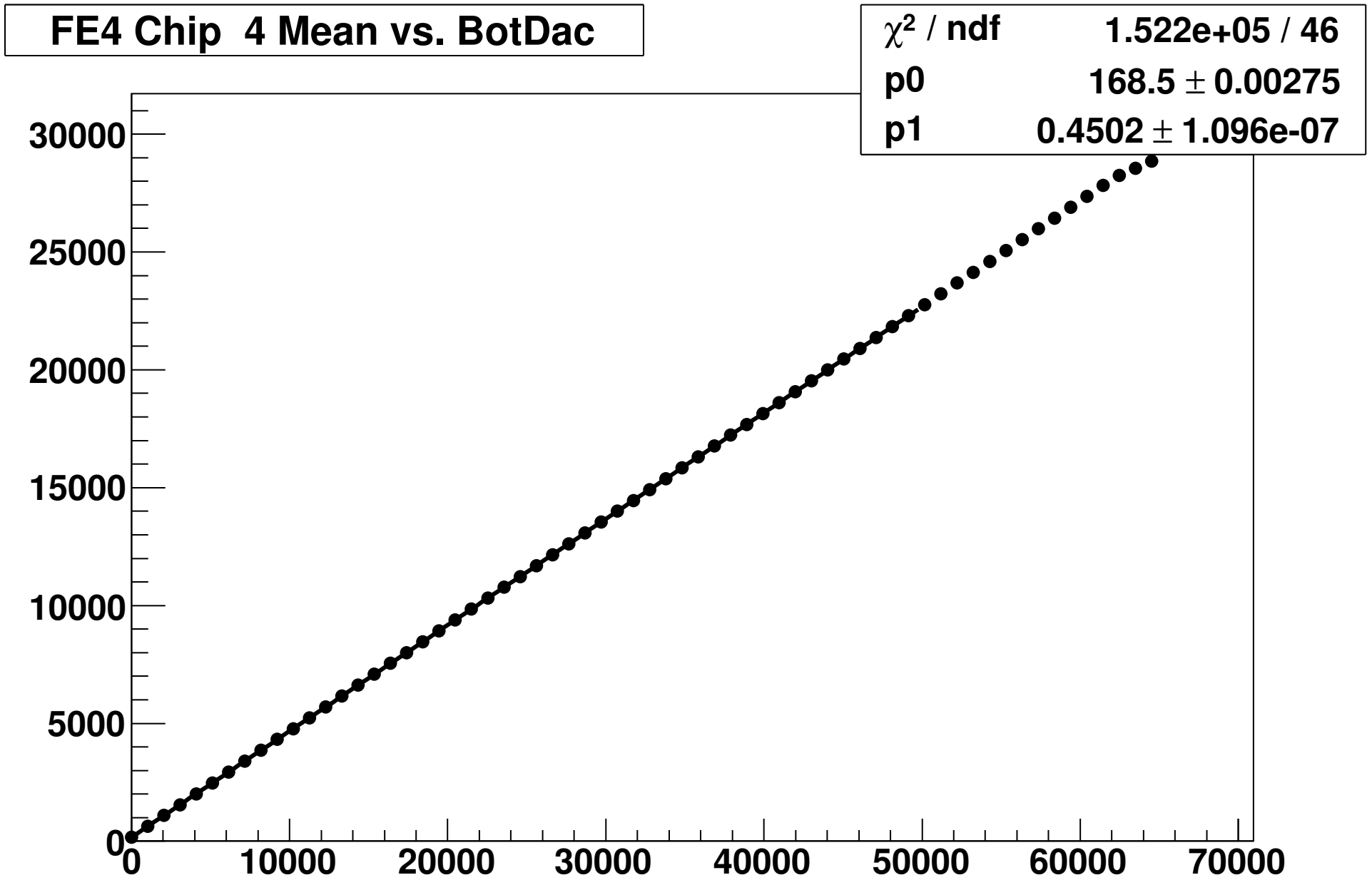
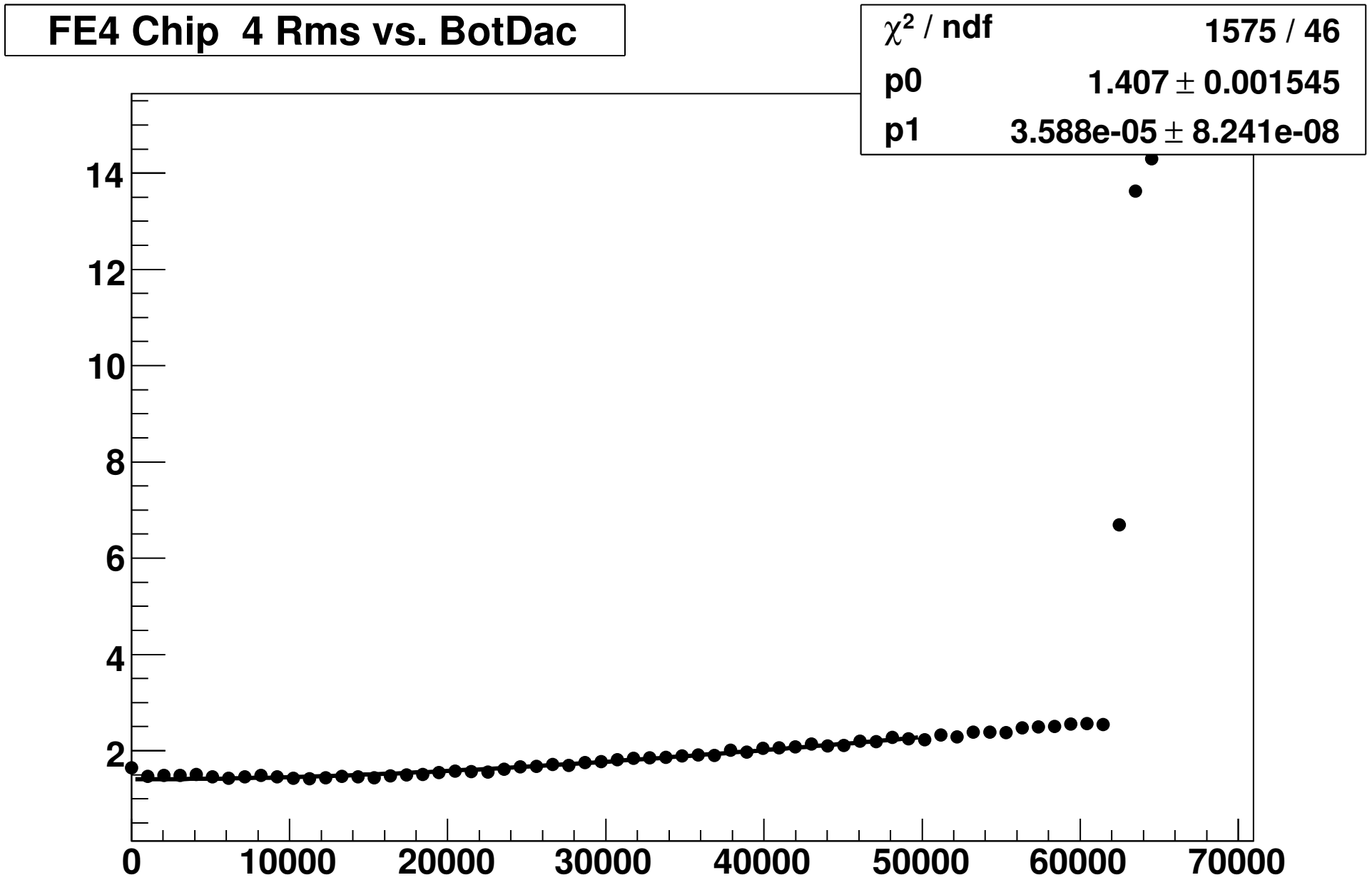
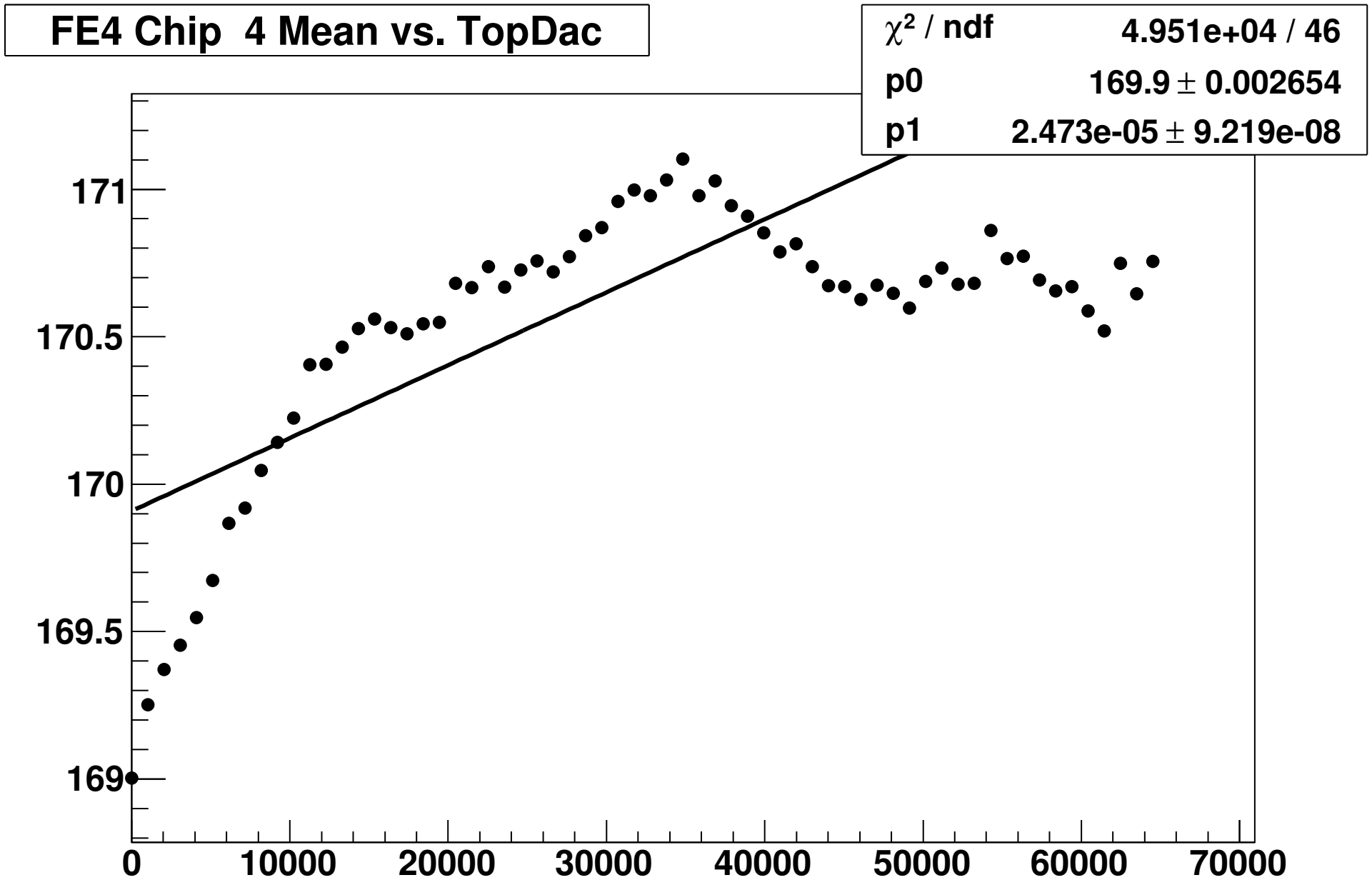
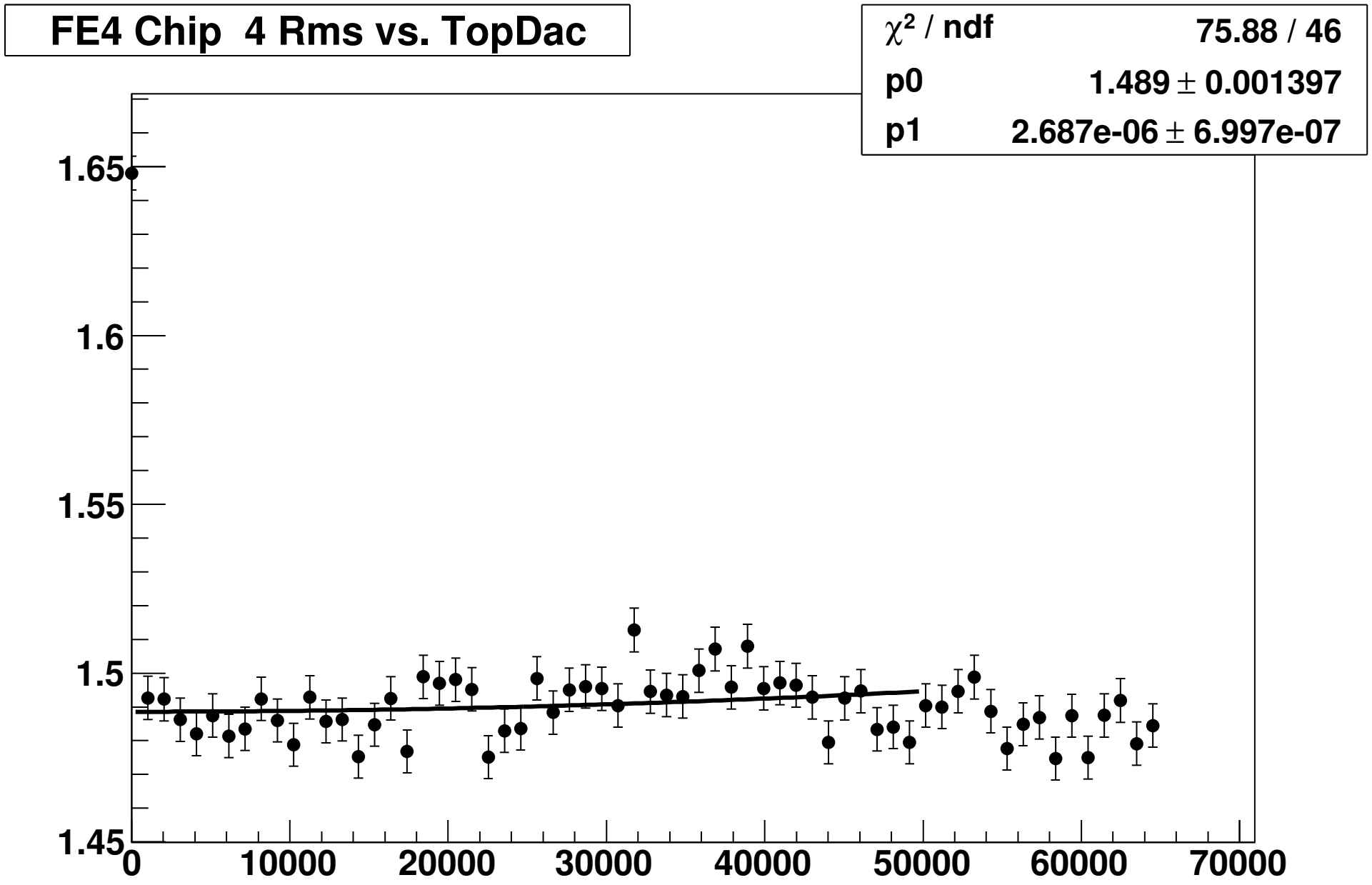
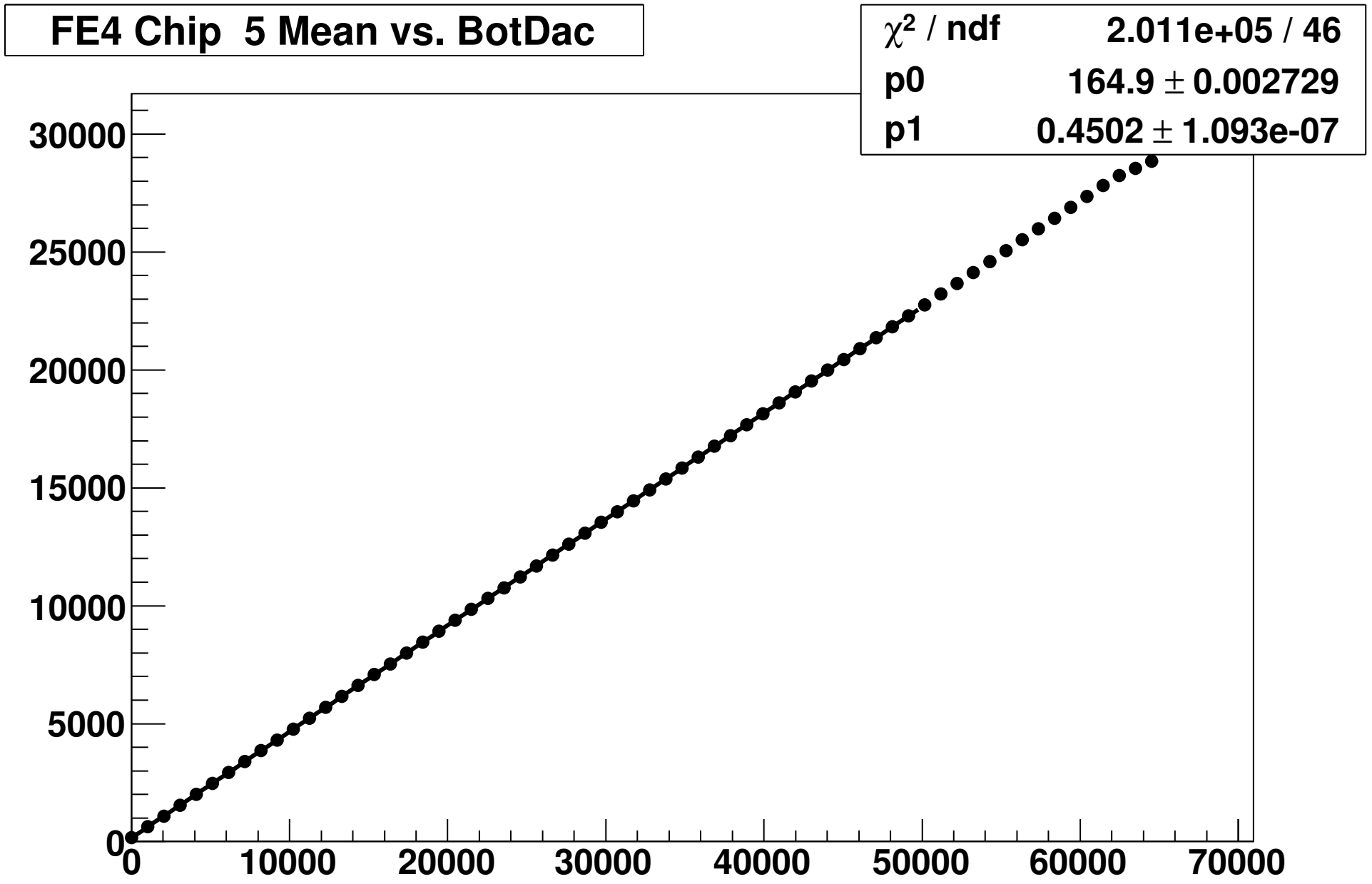
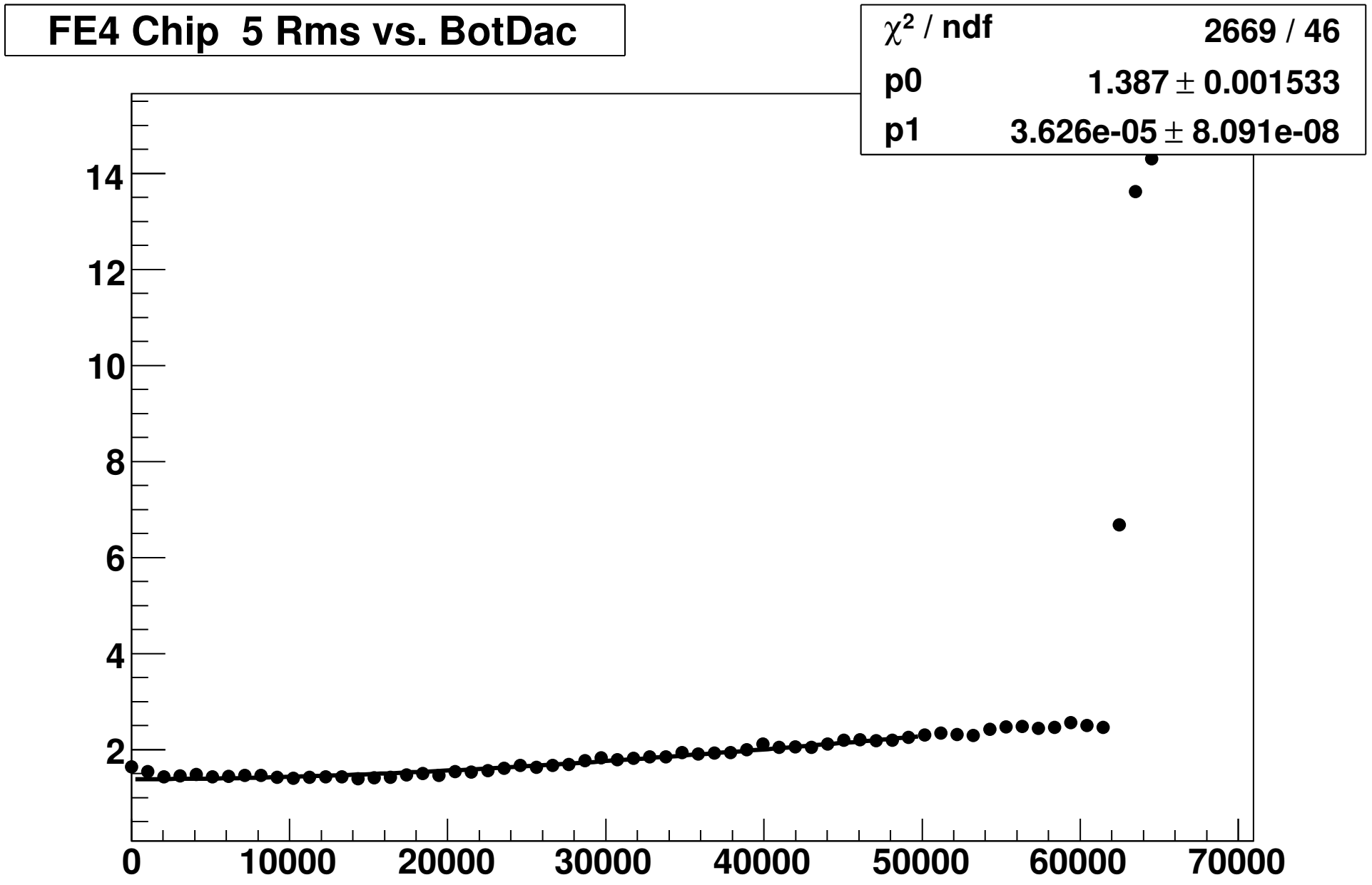

FE4 Chip 4 Mean vs. BotDac
χ² / ndf 1.522e+05 / 46
p0 168.5 ± 0.00275
p1 0.4502 ± 1.096e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

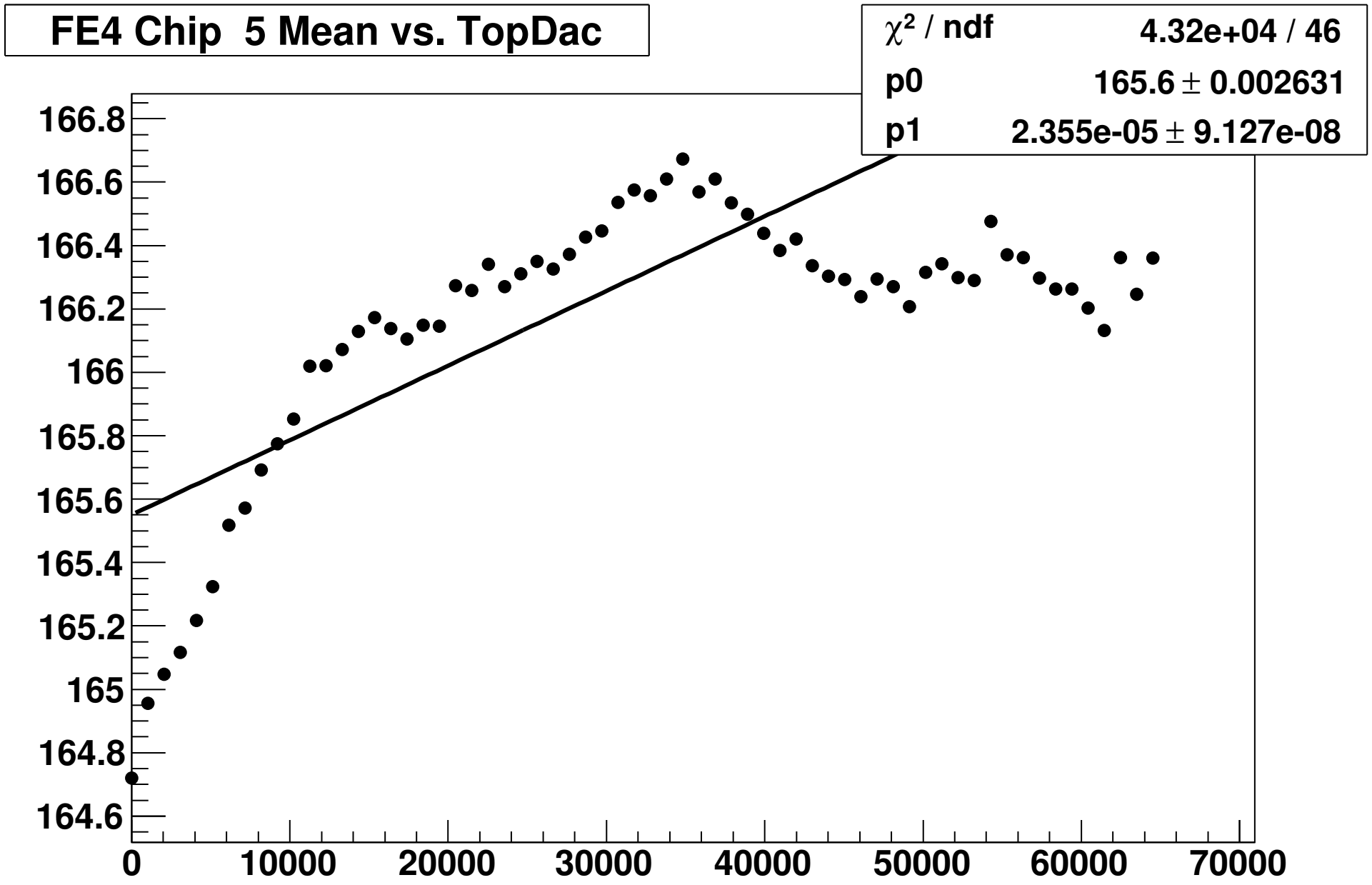

FE4 Chip 4 Rms vs. BotDac
χ² / ndf 1575 / 46
p0 1.407 ± 0.001545
p1 3.588e-05 ± 8.241e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 4.951e+04 / 46
p0 169.9 ± 0.002654
p1 2.473e-05 ± 9.219e-08
171
170.5
170
169.5
169
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. TopDac
χ² / ndf 75.88 / 46
p0 1.489 ± 0.001397
p1 2.687e-06 ± 6.997e-07
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. BotDac
χ² / ndf 2.011e+05 / 46
p0 164.9 ± 0.002729
p1 0.4502 ± 1.093e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 2669 / 46
p0 1.387 ± 0.001533
p1 3.626e-05 ± 8.091e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 4.32e+04 / 46
p0 165.6 ± 0.002631
p1 2.355e-05 ± 9.127e-08
166.8
166.6
166.4
166.2
166
165.8
165.6
165.4
165.2
165
164.8
164.6
0
10000
20000
30000
40000
50000
60000
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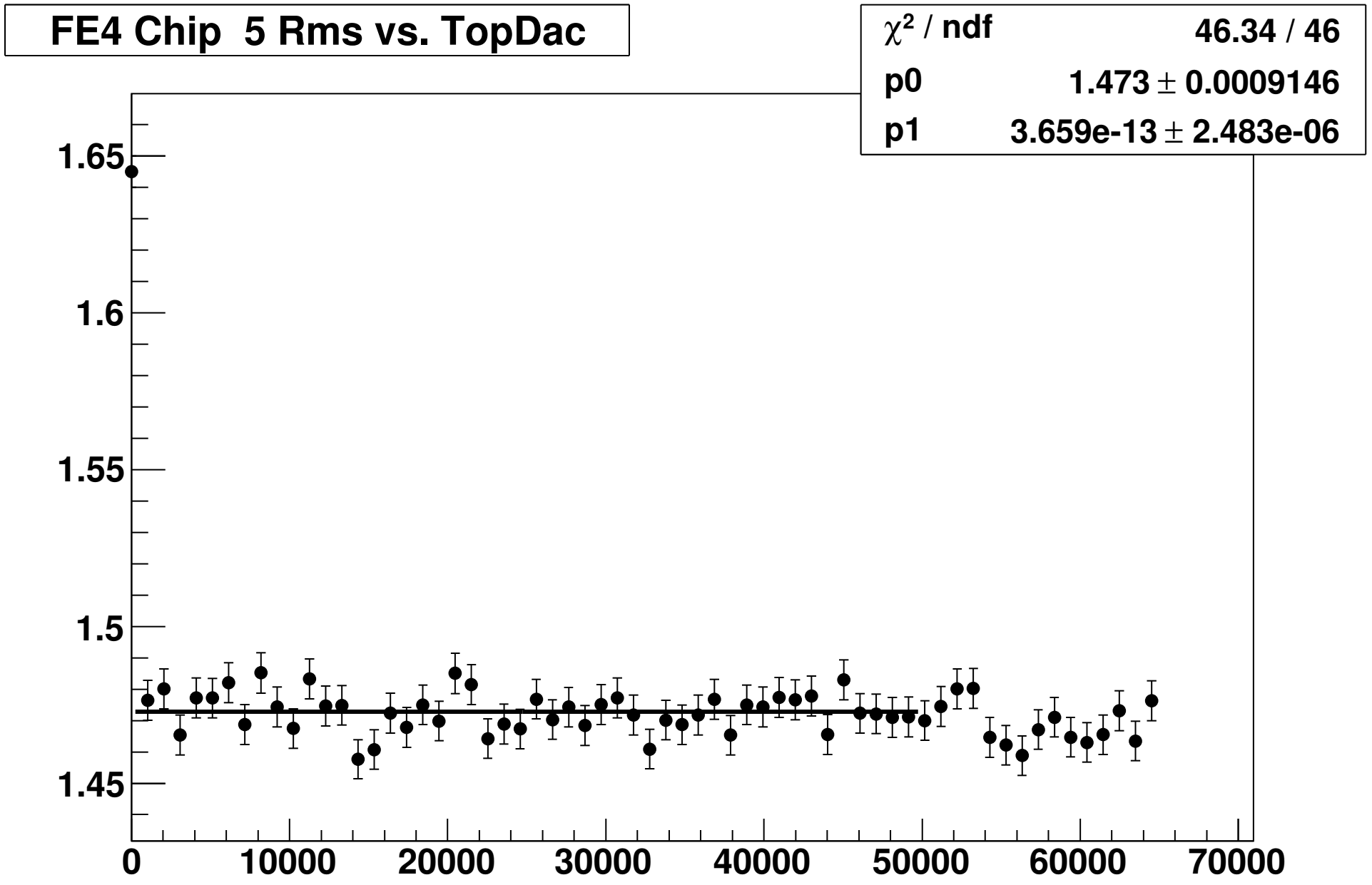
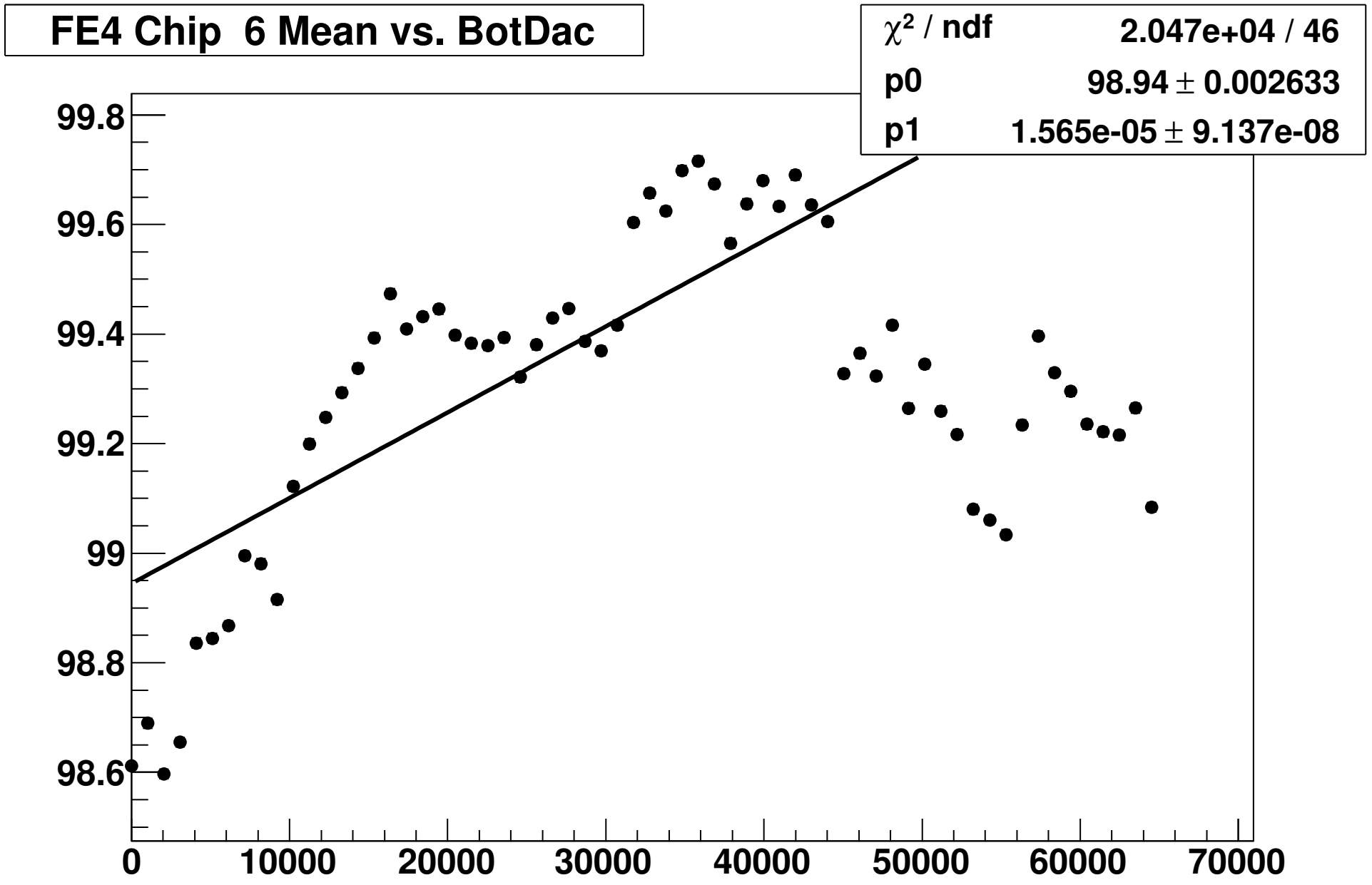
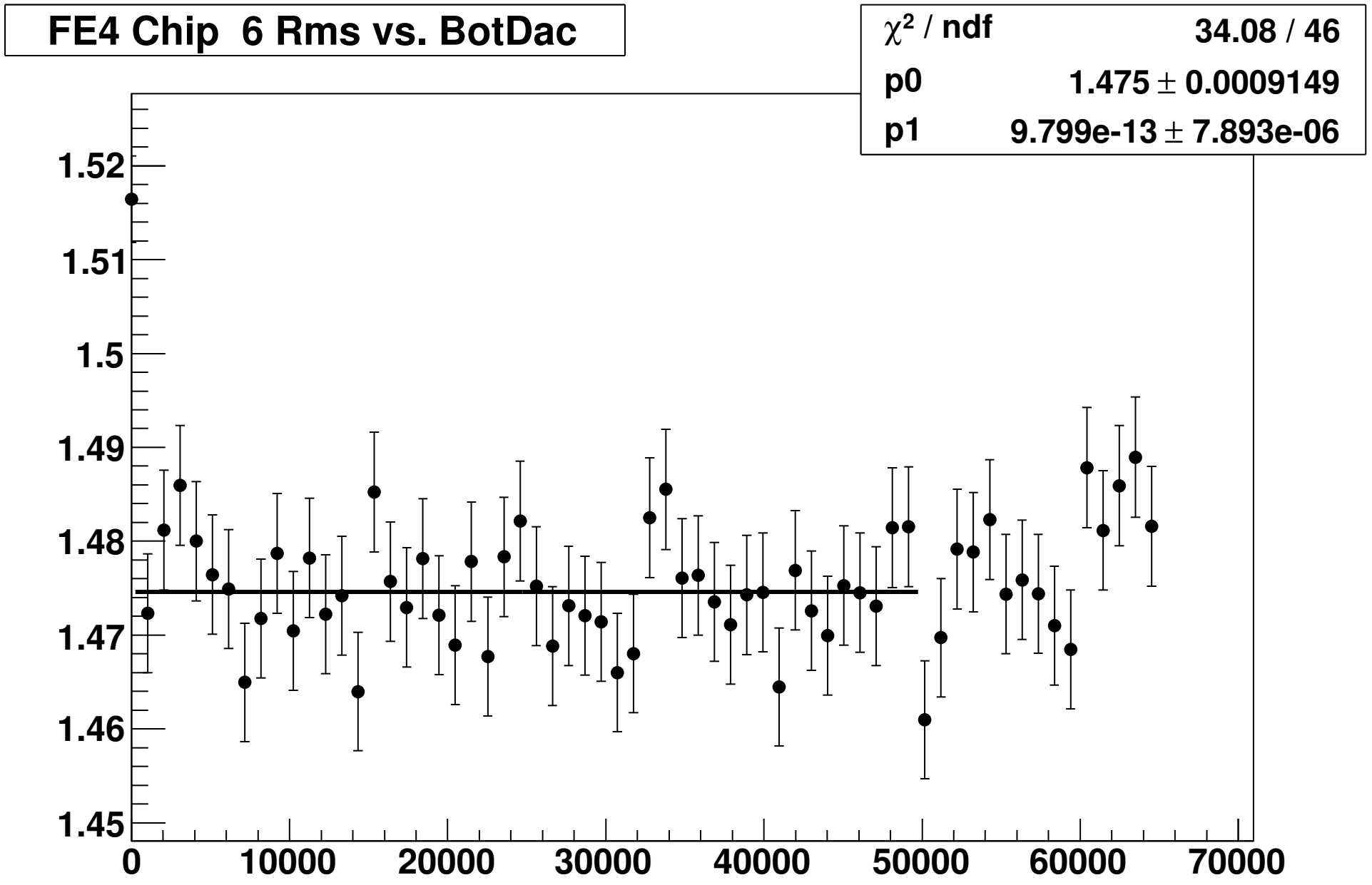
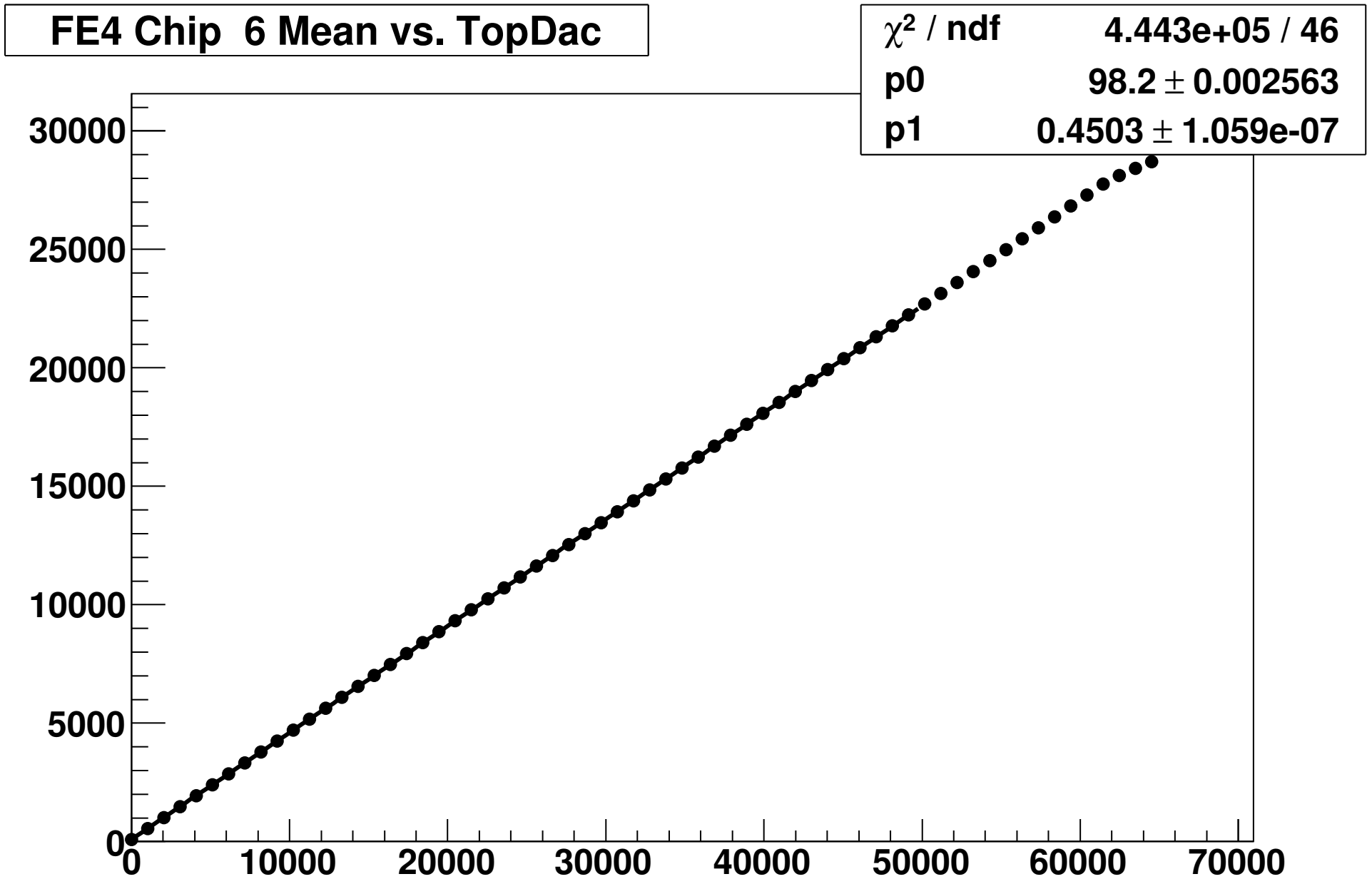
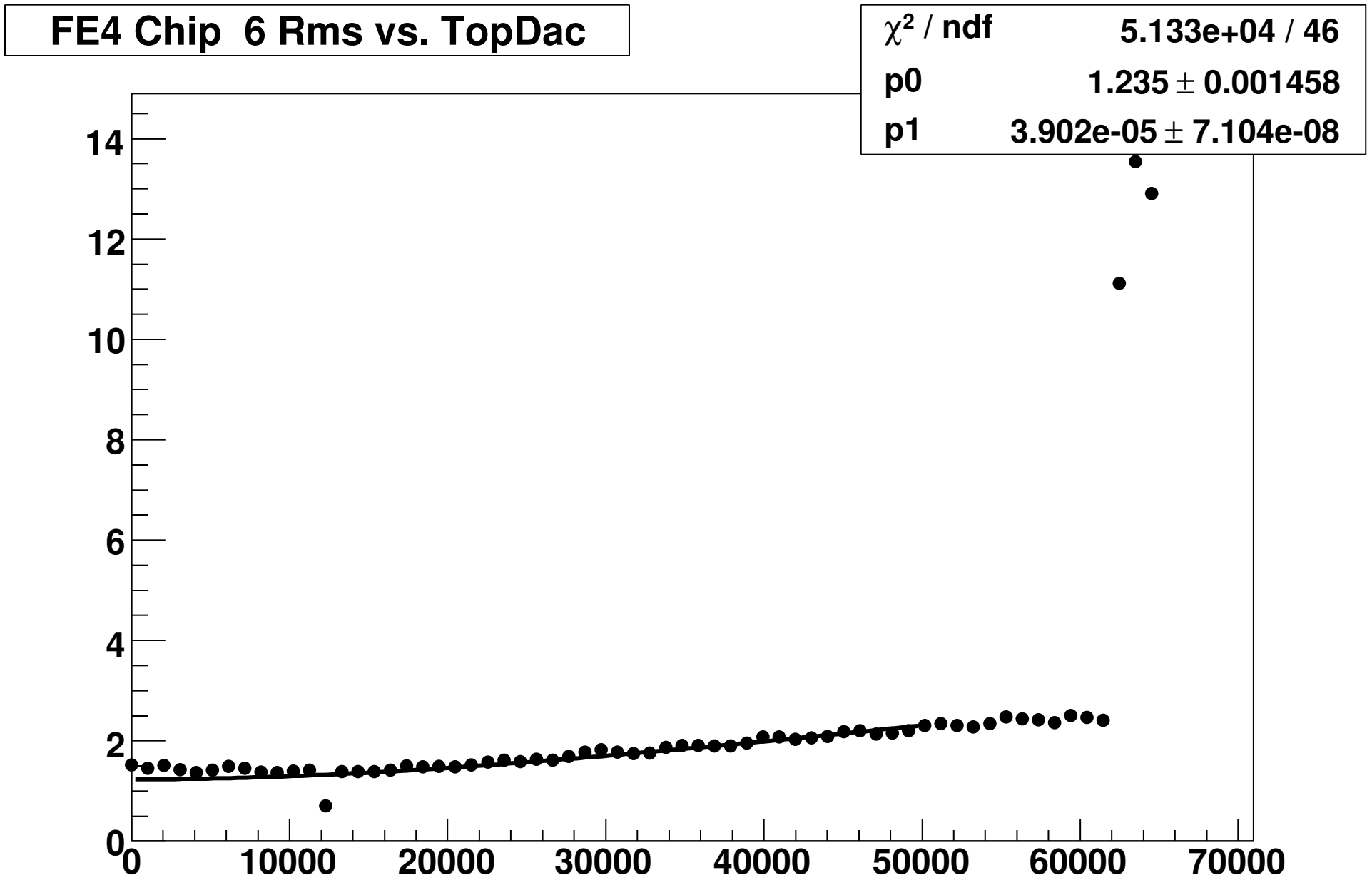
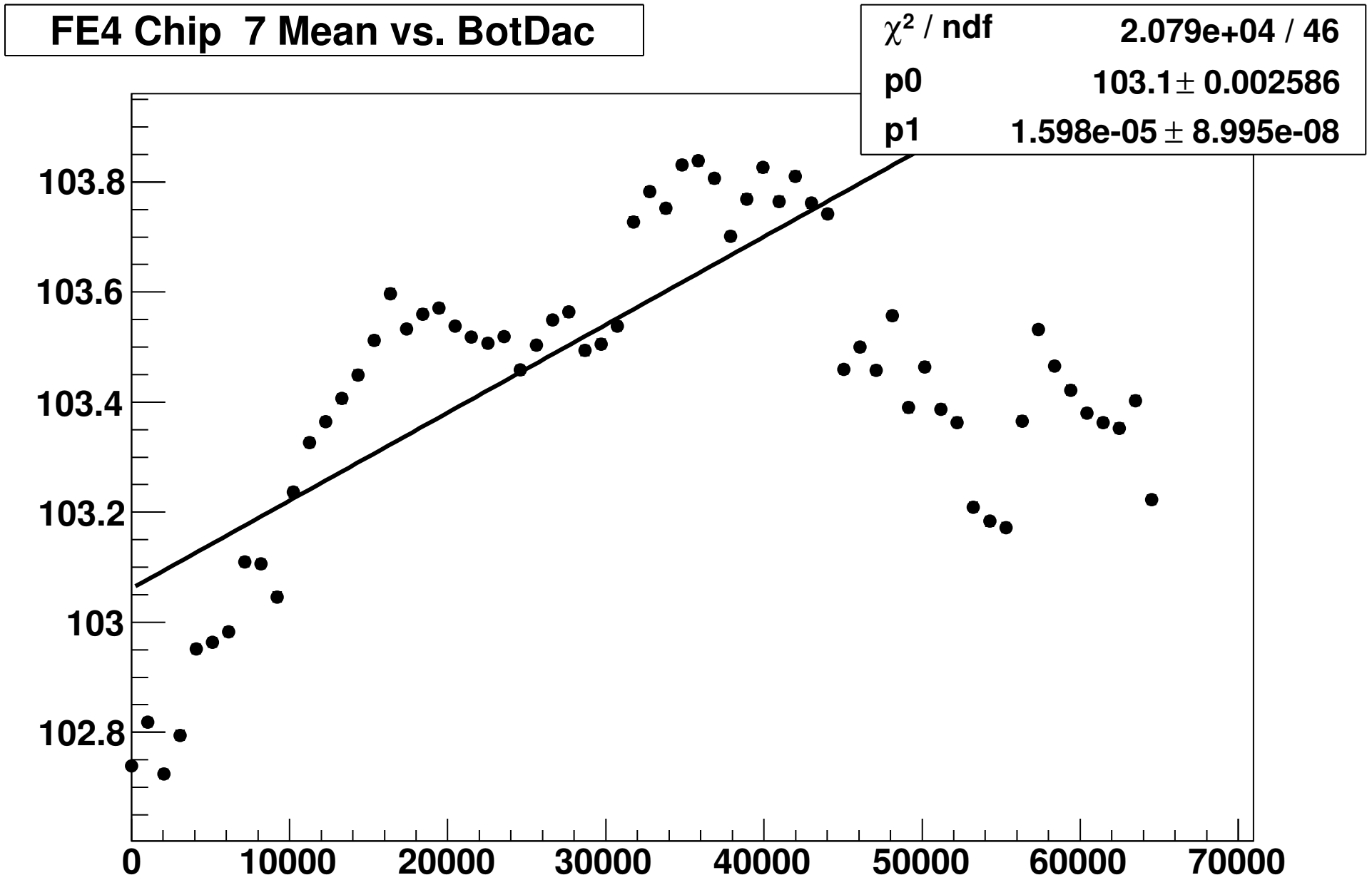

FE4 Chip 5 Rms vs. TopDac
χ² / ndf 46.34 / 46
p0 1.473 ± 0.0009146
p1 3.659e-13 ± 2.483e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000

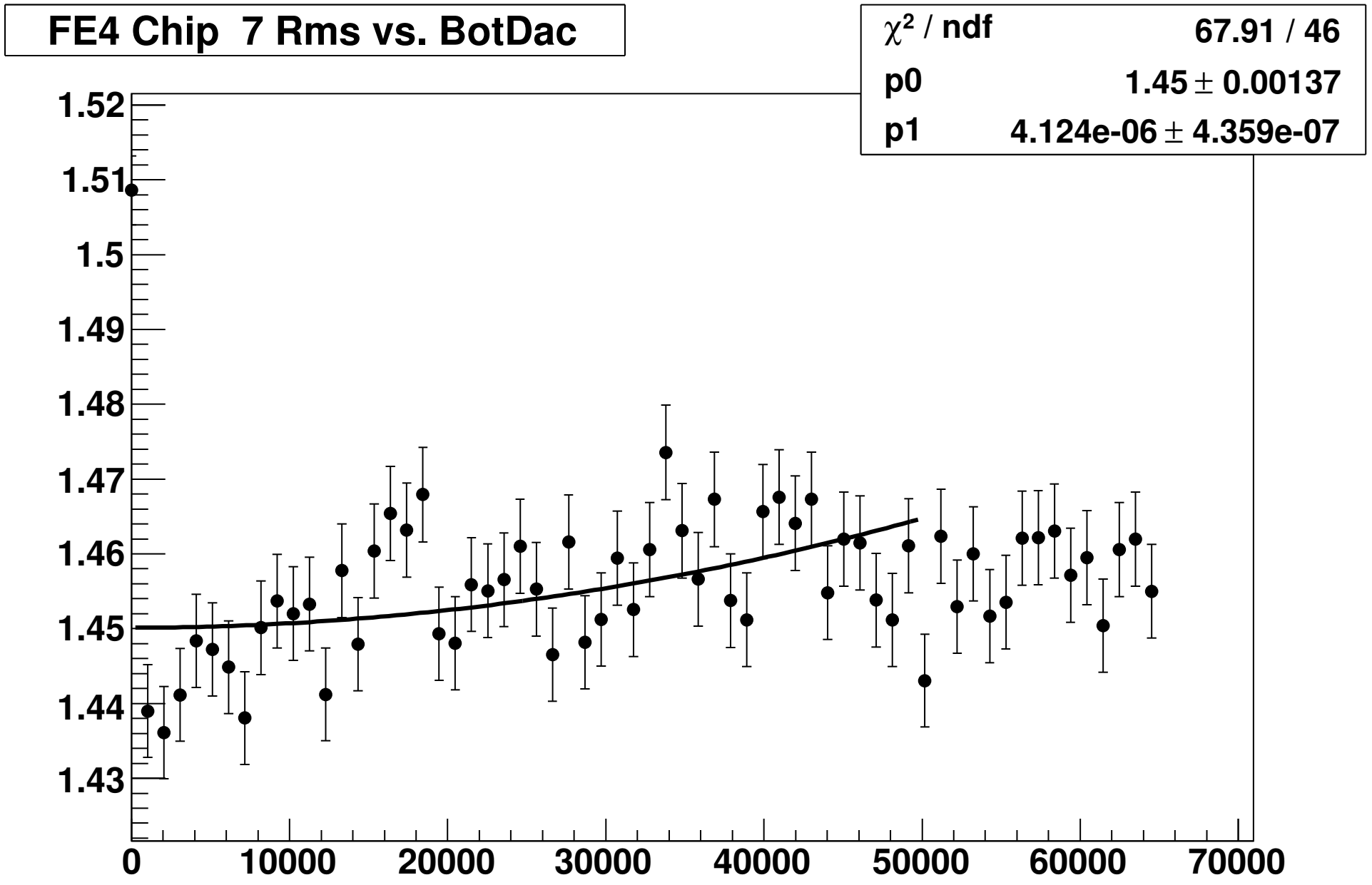

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 2.047e+04 / 46
p0 98.94 ± 0.002633
p1 1.565e-05 ± 9.137e-08
99.8
99.6
99.4
99.2
99
98.8
98.6
0
10000
20000
30000
40000
50000
60000
70000

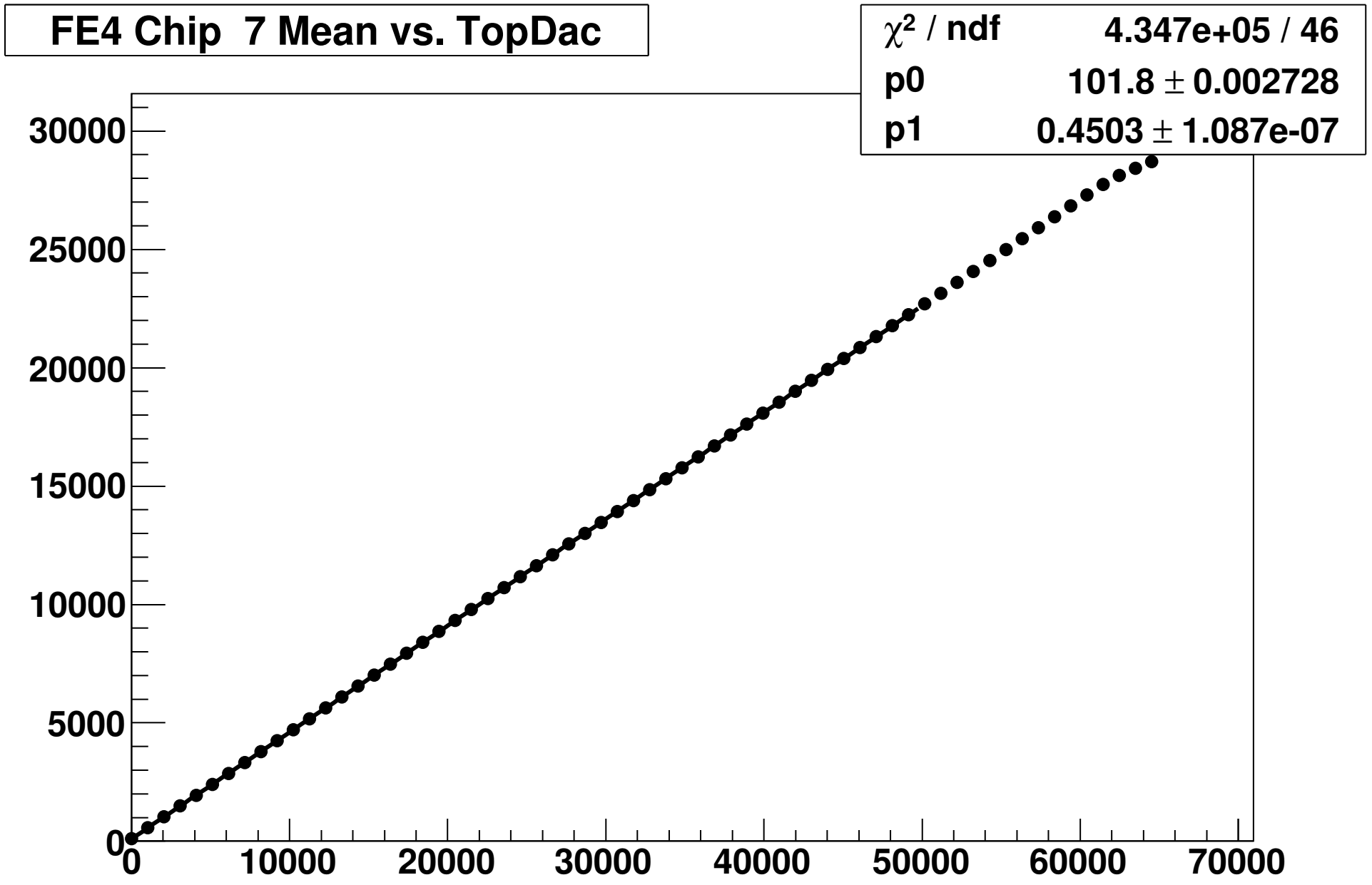

FE4 Chip 6 Rms vs. BotDac
χ² / ndf 34.08 / 46
p0 1.475 ± 0.0009149
p1 9.799e-13 ± 7.893e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

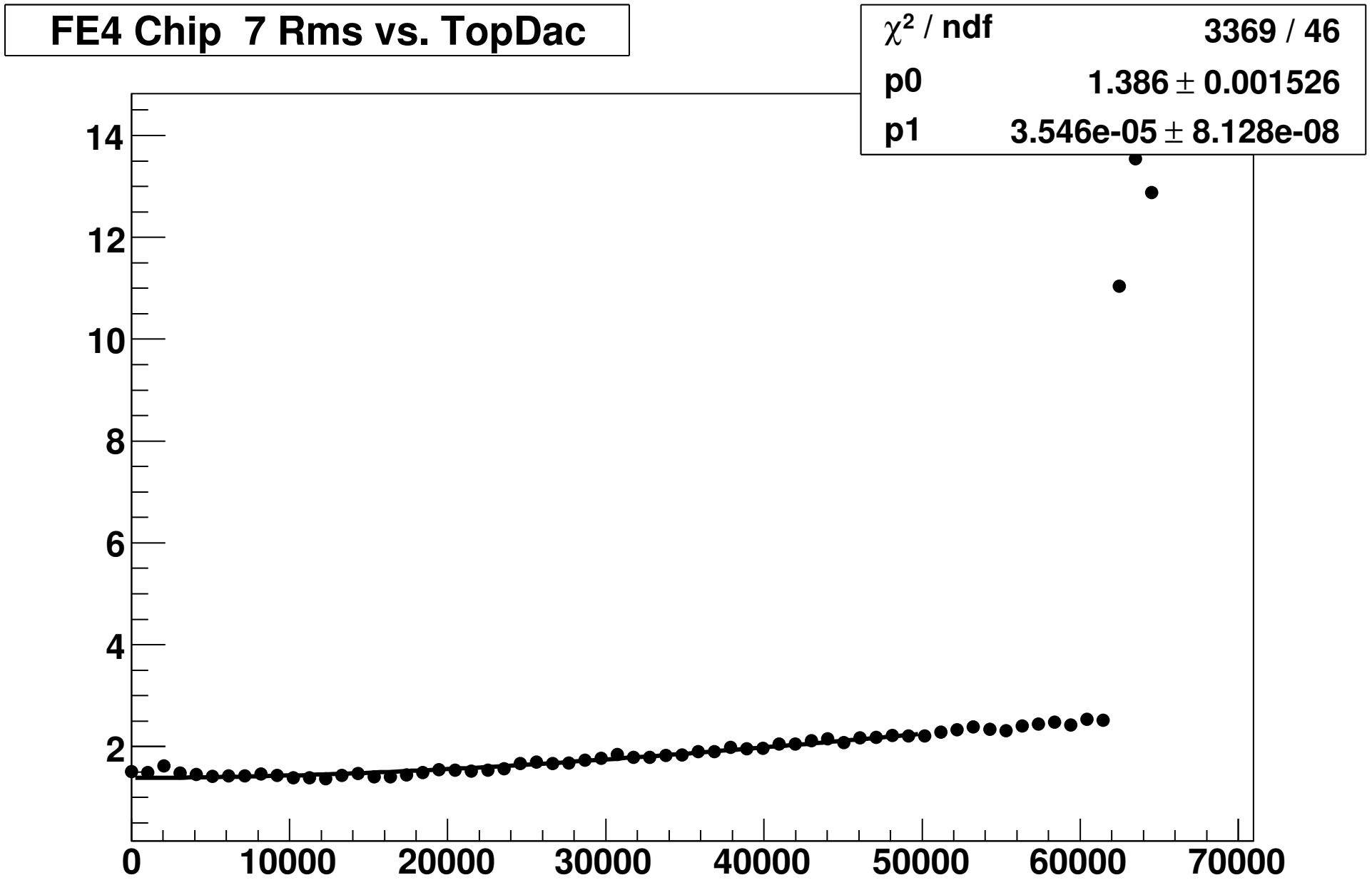

FE4 Chip 6 Mean vs. TopDac
χ² / ndf 4.443e+05 / 46
p0 98.2 ± 0.002563
p1 0.4503 ± 1.059e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

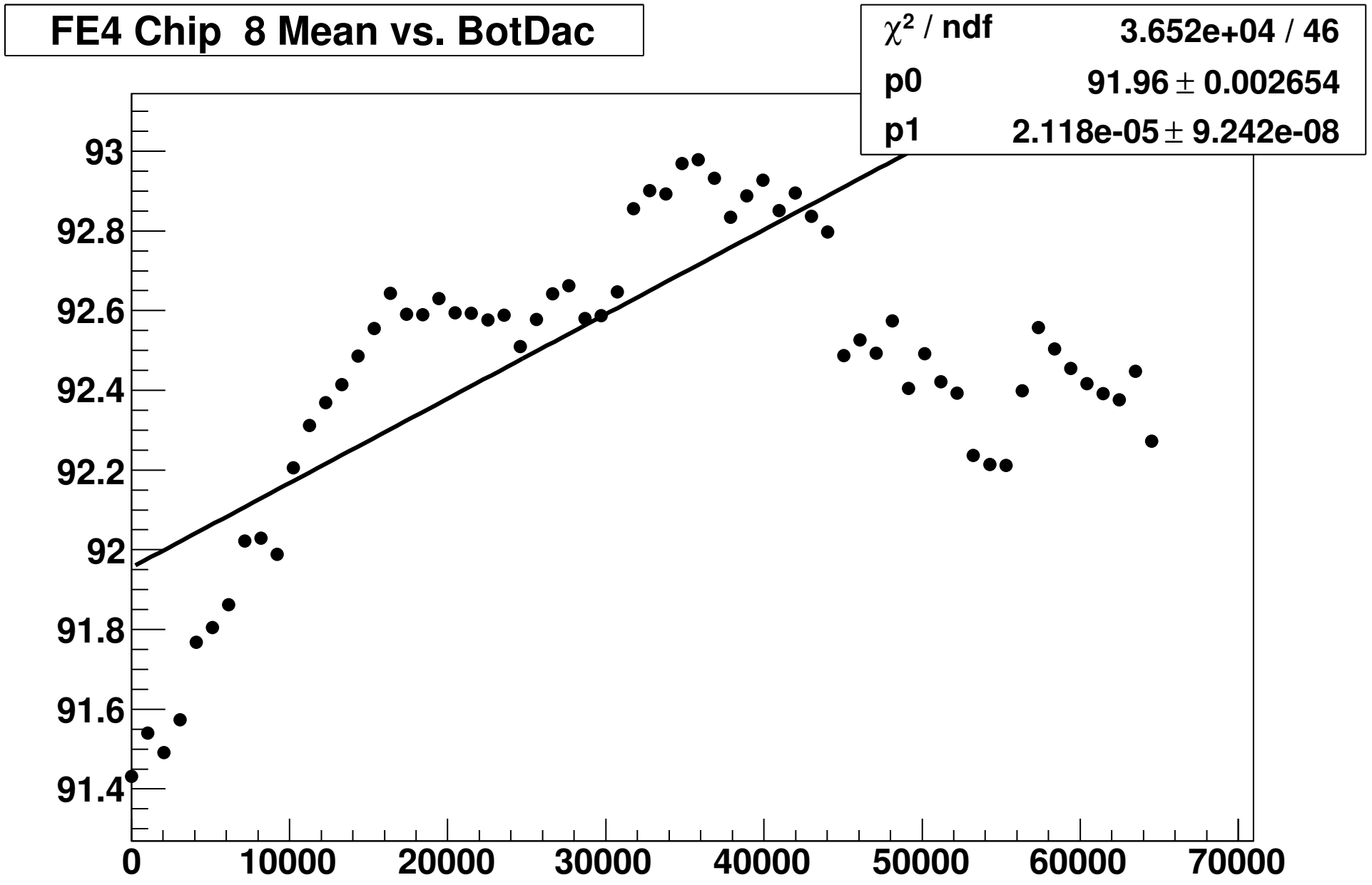

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 5.133e+04 / 46
p0 1.235 ± 0.001458
p1 3.902e-05 ± 7.104e-08
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000

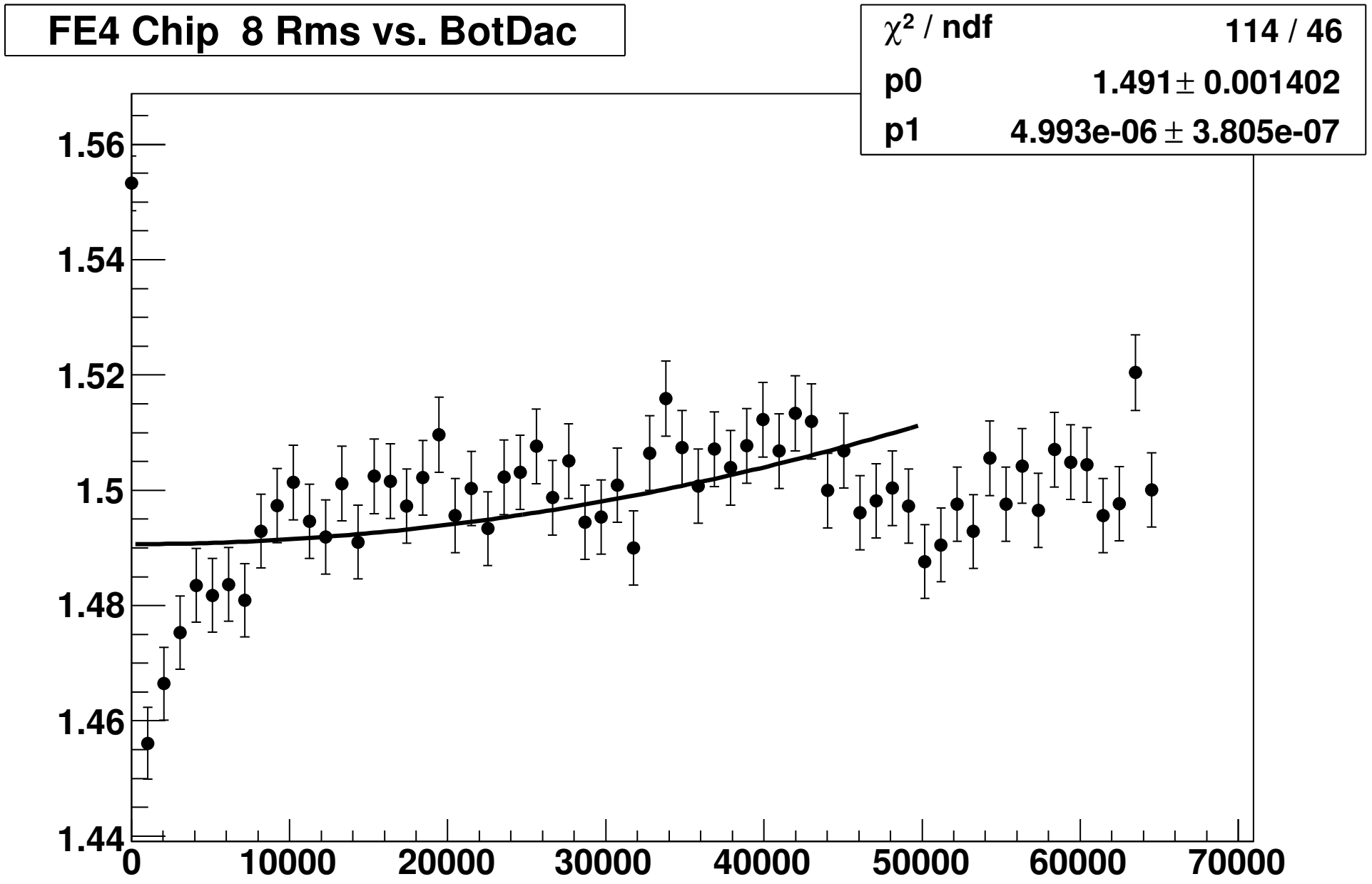

FE4 Chip 7 Mean vs. BotDac
χ² / ndf 2.079e+04 / 46
p0 103.1 ± 0.002586
p1 1.598e-05 ± 8.995e-08
103.8
103.6
103.4
103.2
103
102.8
0
10000
20000
30000
40000
50000
60000
70000

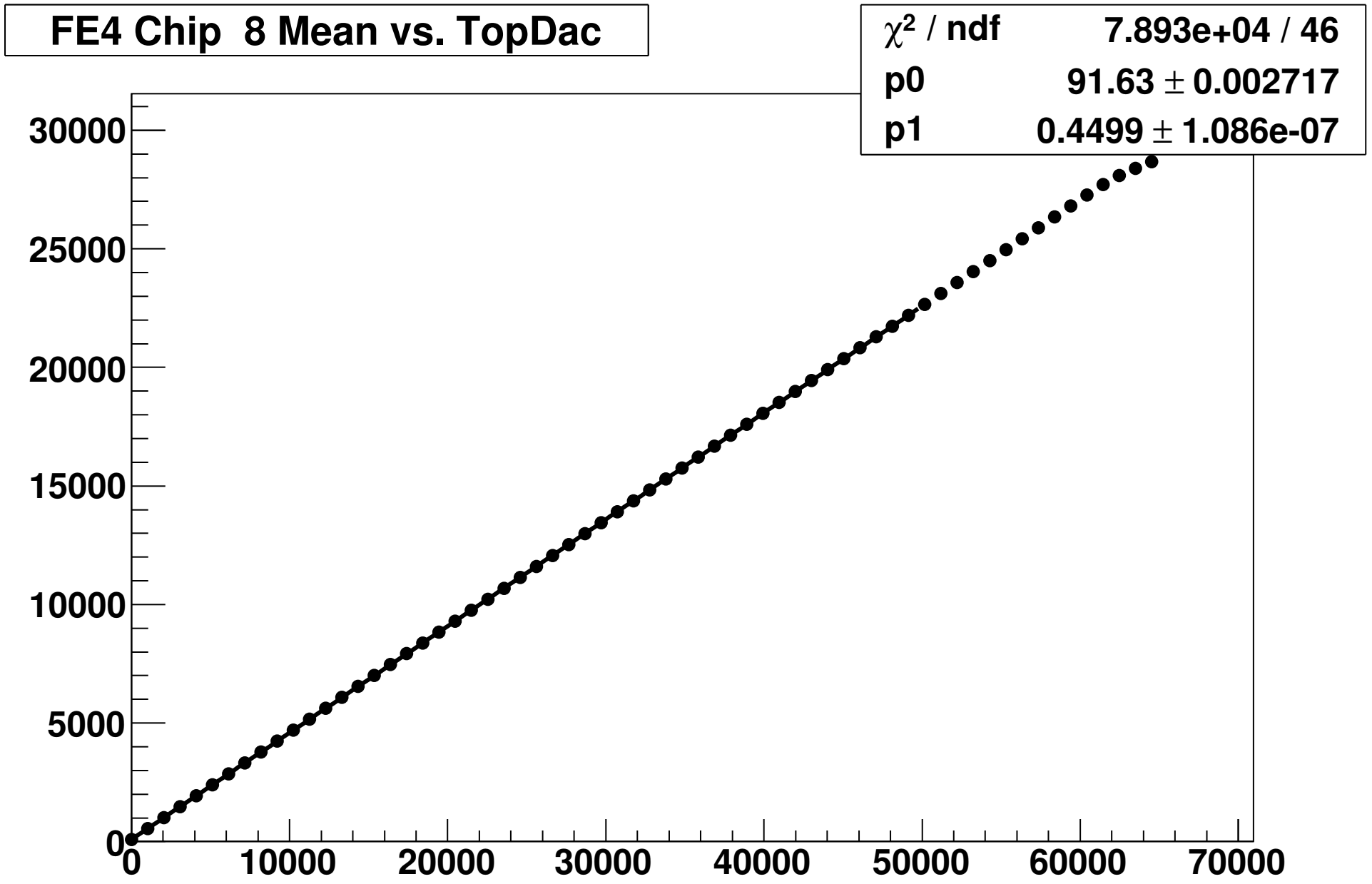

FE4 Chip 7 Rms vs. BotDac
χ² / ndf 67.91 / 46
p0 1.45 ± 0.00137
p1 4.124e-06 ± 4.359e-07
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

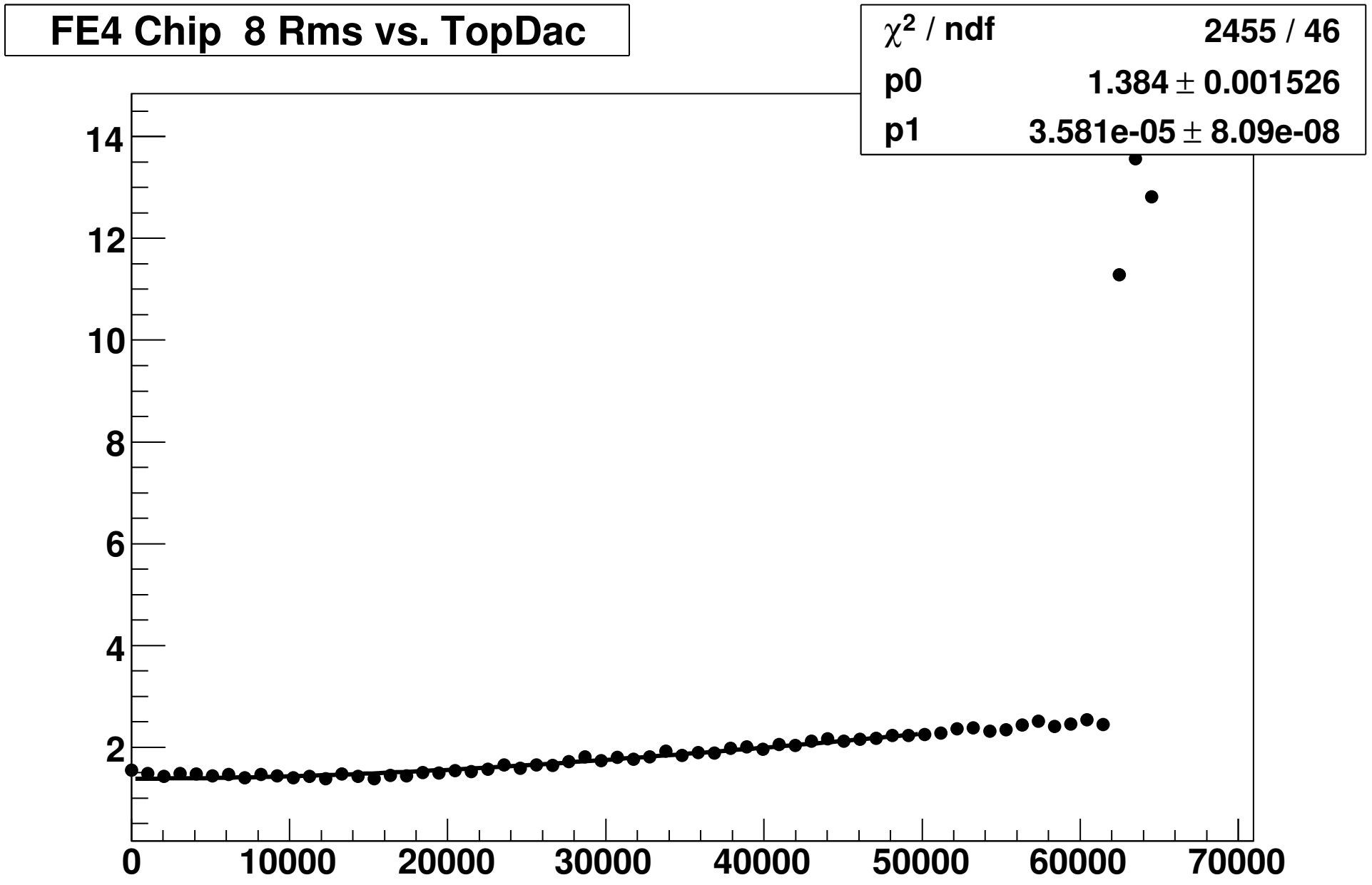

FE4 Chip 7 Mean vs. TopDac
χ² / ndf 4.347e+05 / 46
p0 101.8 ± 0.002728
p1 0.4503 ± 1.087e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

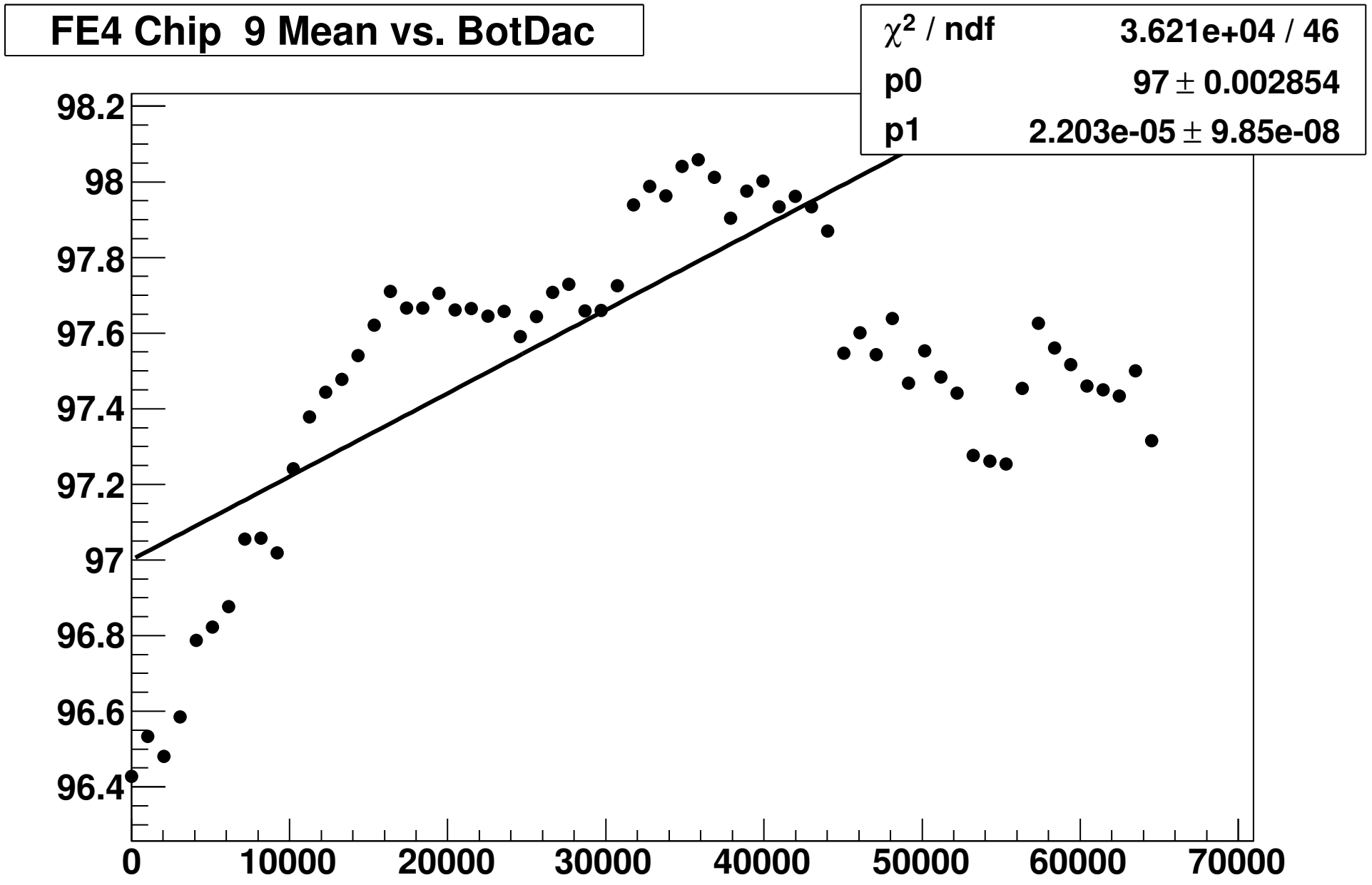

FE4 Chip 7 Rms vs. TopDac
χ² / ndf 3369 / 46
p0 1.386 ± 0.001526
p1 3.546e-05 ± 8.128e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

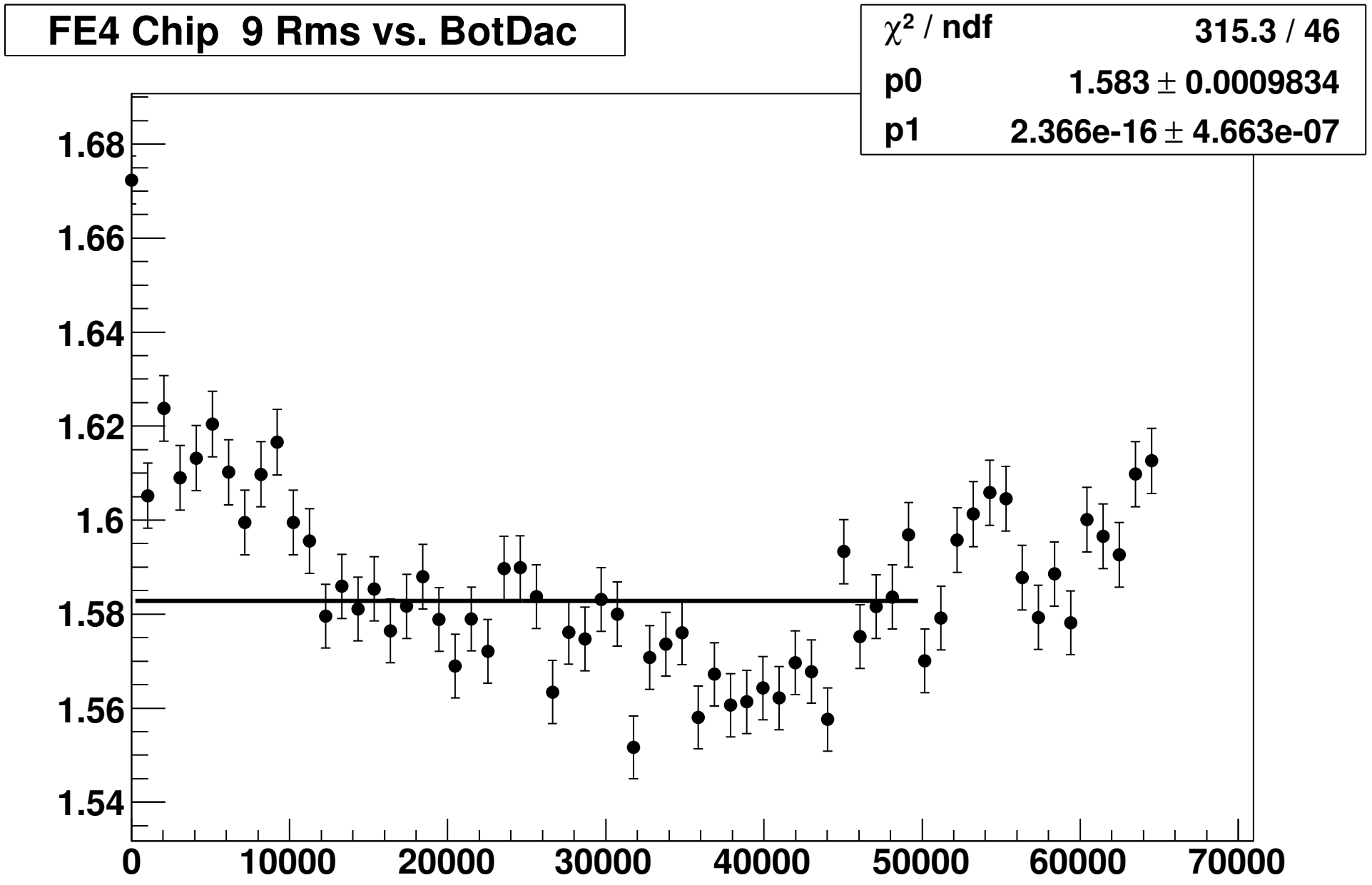

FE4 Chip 8 Mean vs. BotDac
χ² / ndf 3.652e+04 / 46
p0 91.96 ± 0.002654
p1 2.118e-05 ± 9.242e-08
93
92.8
92.6
92.4
92.2
92
91.8
91.6
91.4
0
10000
20000
30000
40000
50000
60000
70000

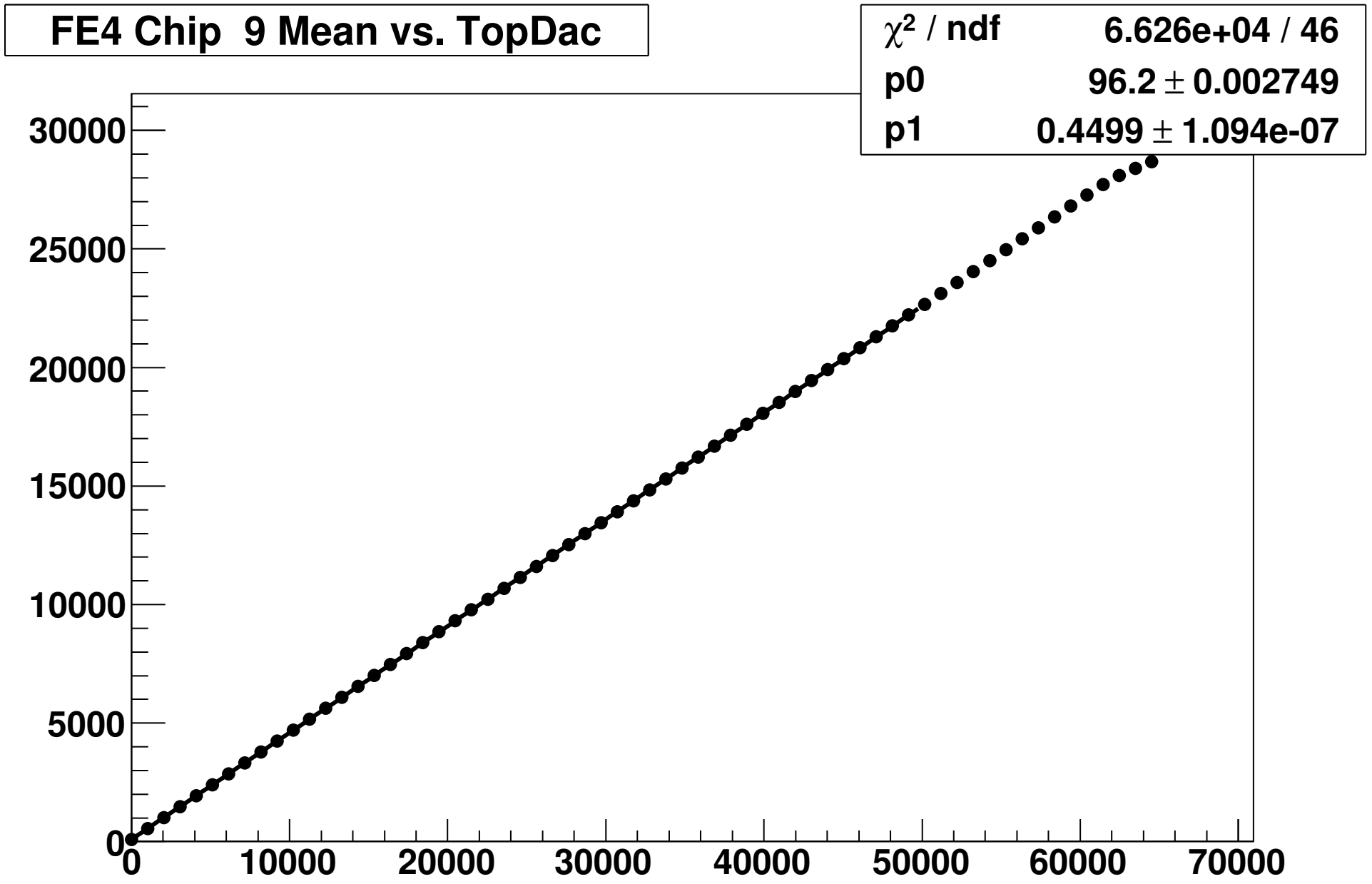

FE4 Chip 8 Rms vs. BotDac
χ² / ndf 114 / 46
p0 1.491 ± 0.001402
p1 4.993e-06 ± 3.805e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 7.893e+04 / 46
p0 91.63 ± 0.002717
p1 0.4499 ± 1.086e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 2455 / 46
p0 1.384 ± 0.001526
p1 3.581e-05 ± 8.09e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 3.621e+04 / 46
p0 97 ± 0.002854
p1 2.203e-05 ± 9.85e-08
98.2
98
97.8
97.6
97.4
97.2
97
96.8
96.6
96.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 315.3 / 46
p0 1.583 ± 0.0009834
p1 2.366e-16 ± 4.663e-07
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 6.626e+04 / 46
p0 96.2 ± 0.002749
p1 0.4499 ± 1.094e-07
30000
25000
20000
15000
10000
5000
0
0
10000
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50000
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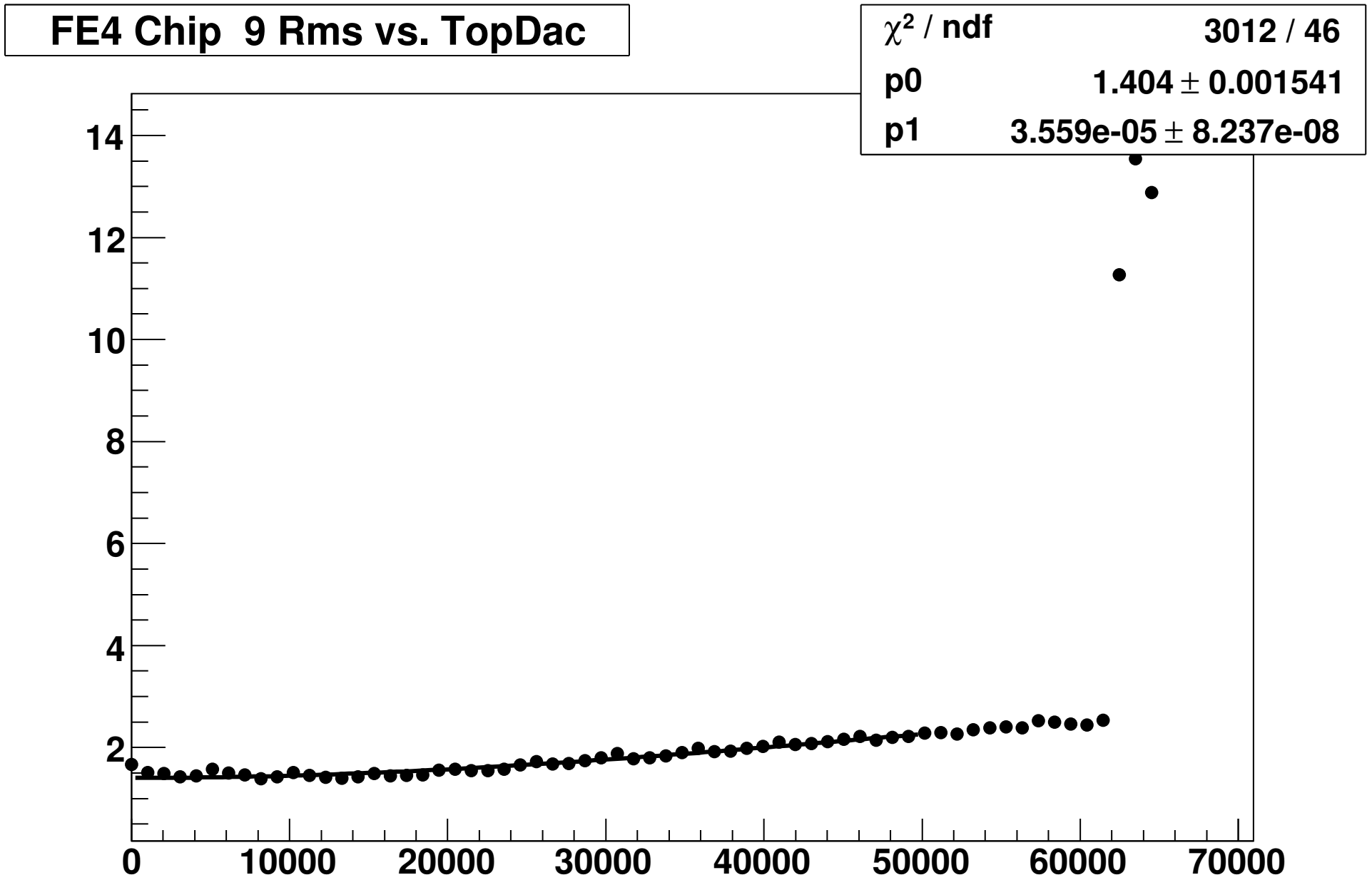
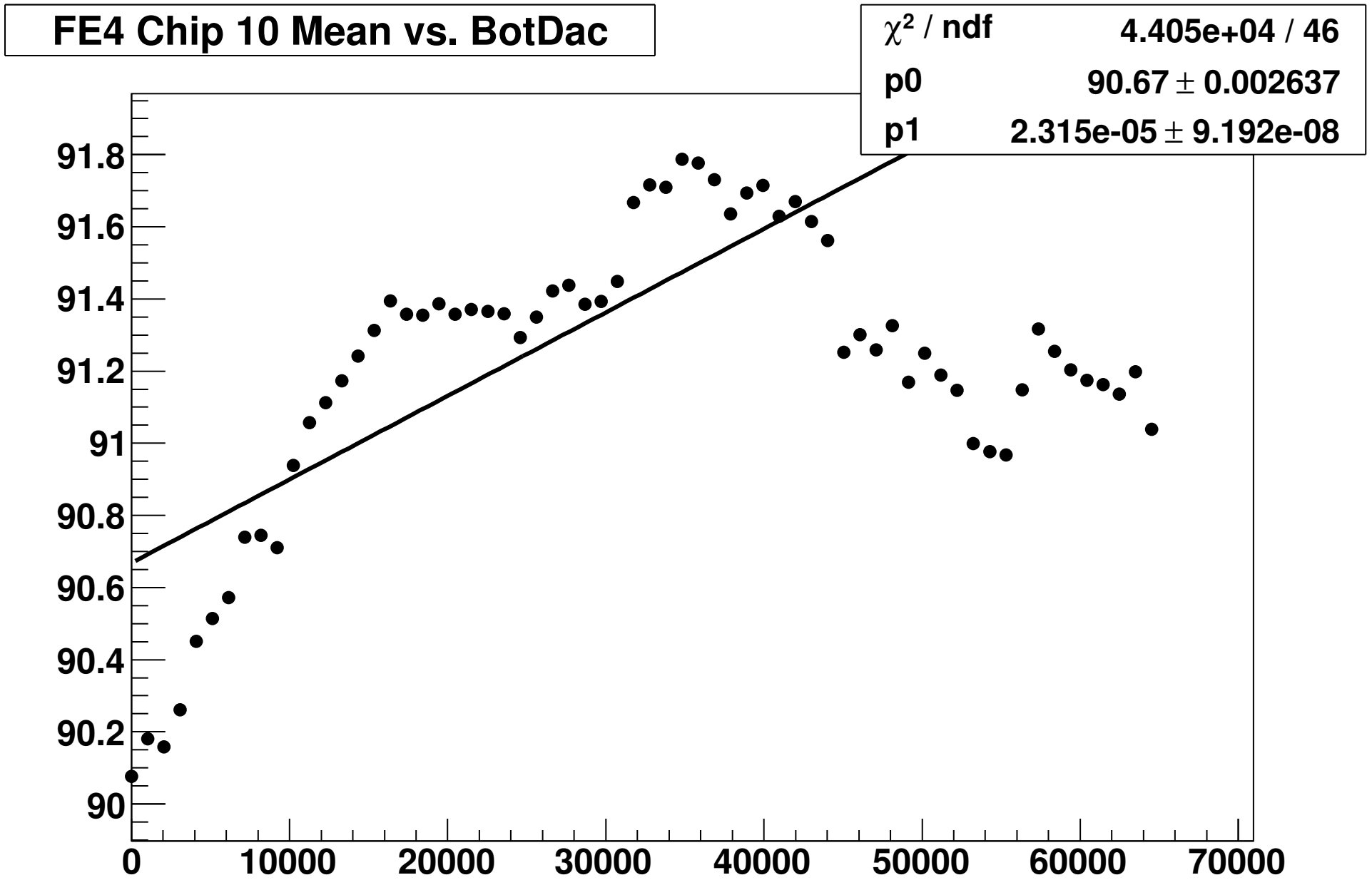
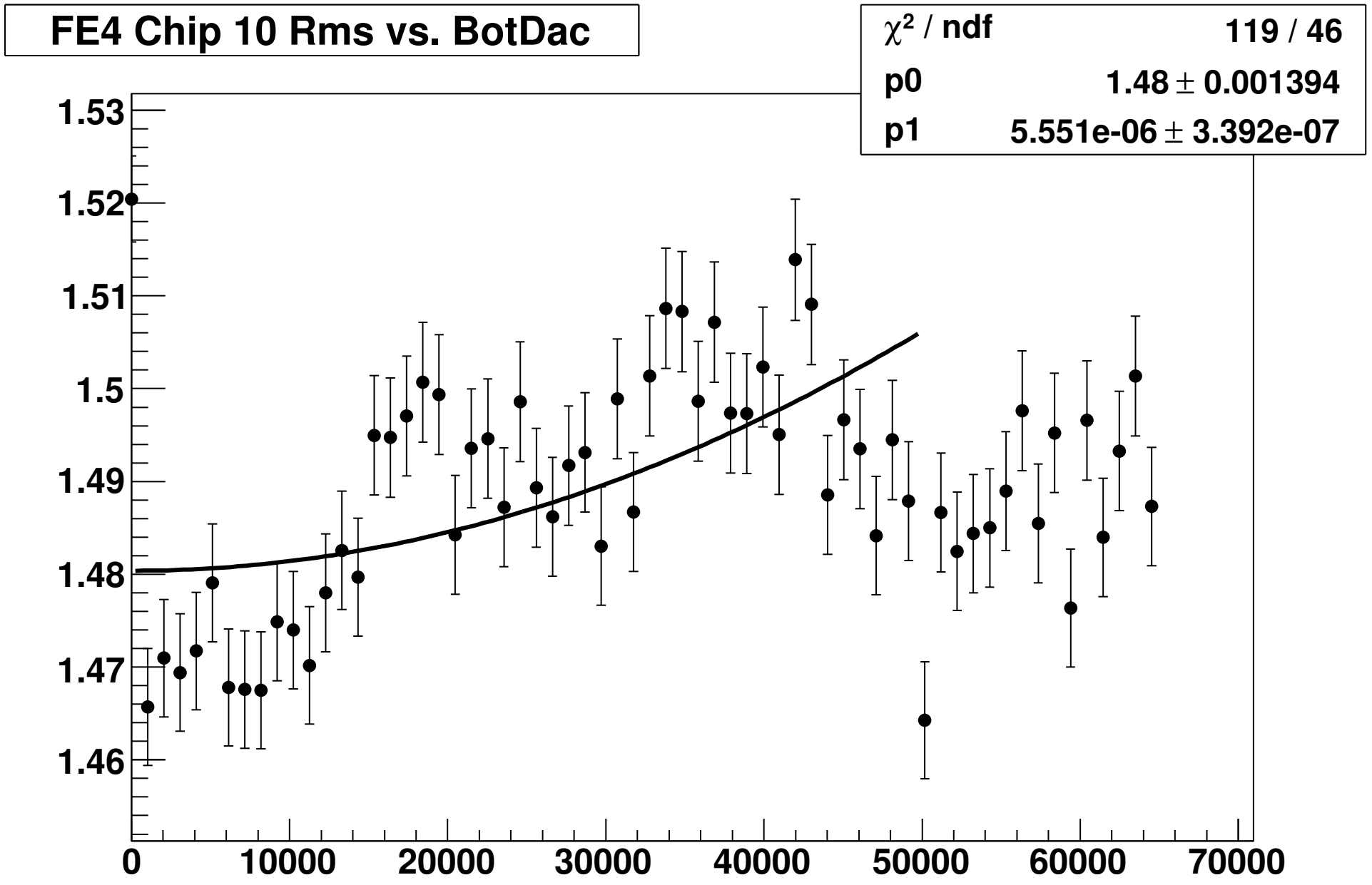
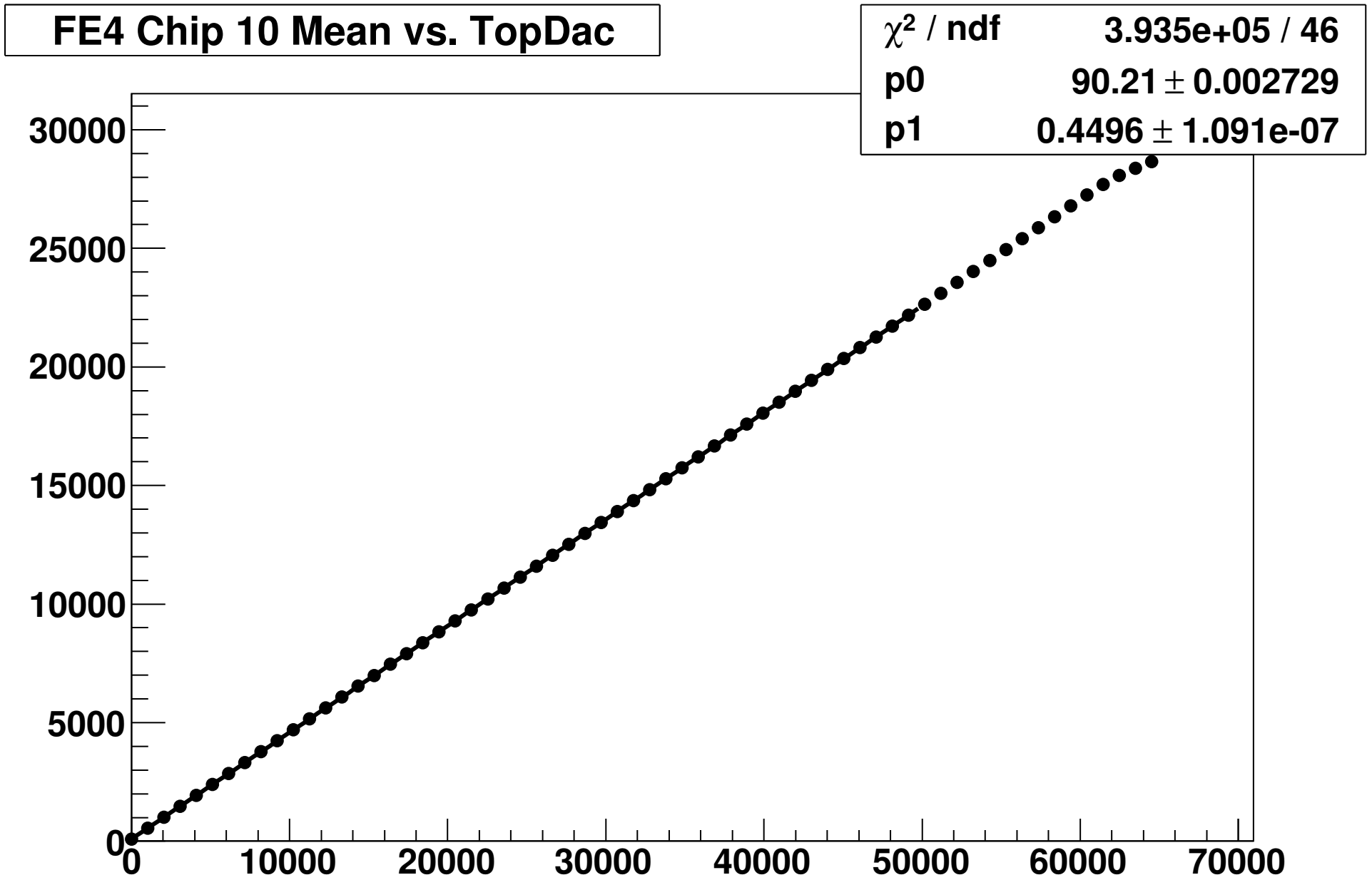
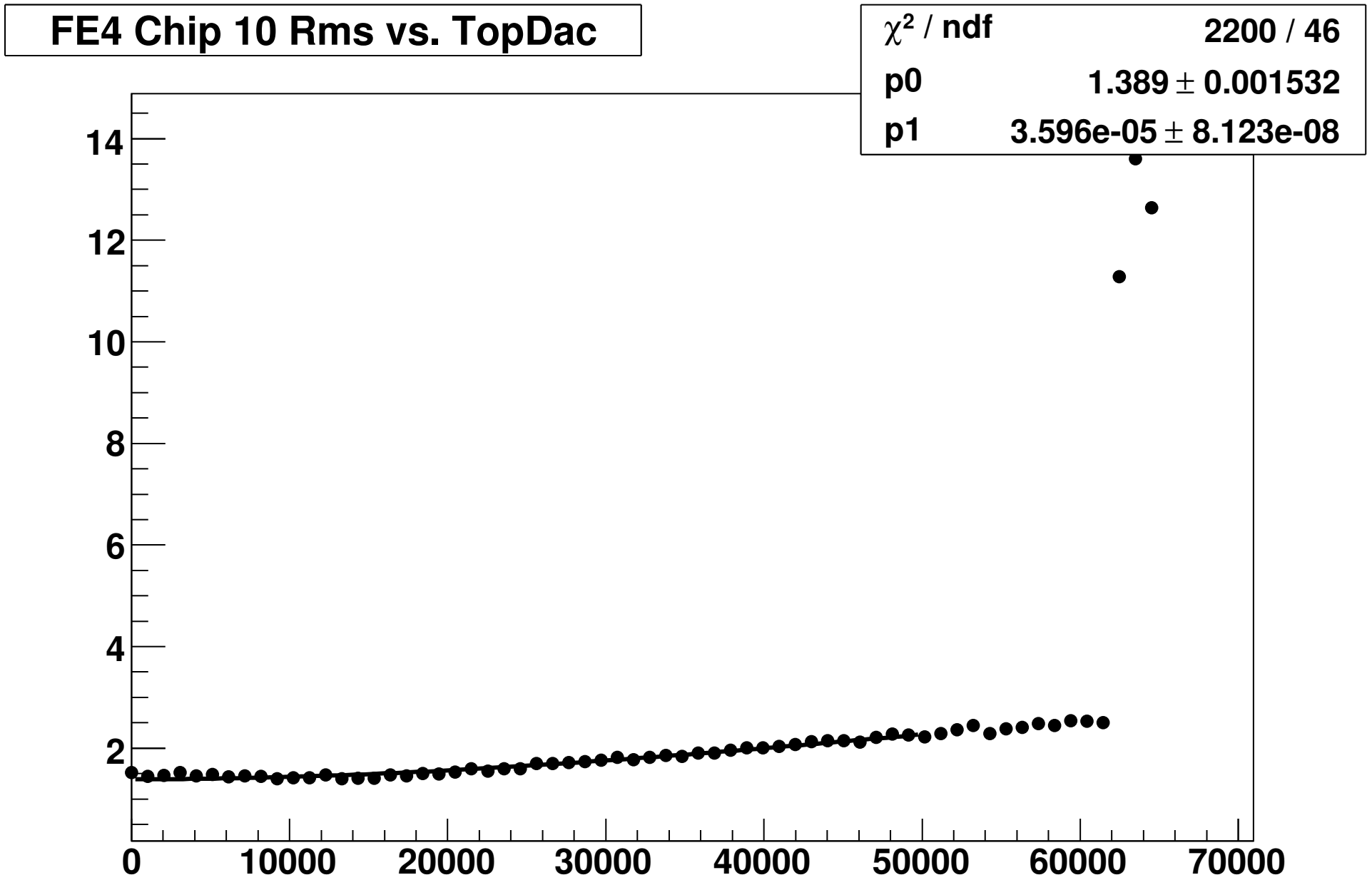
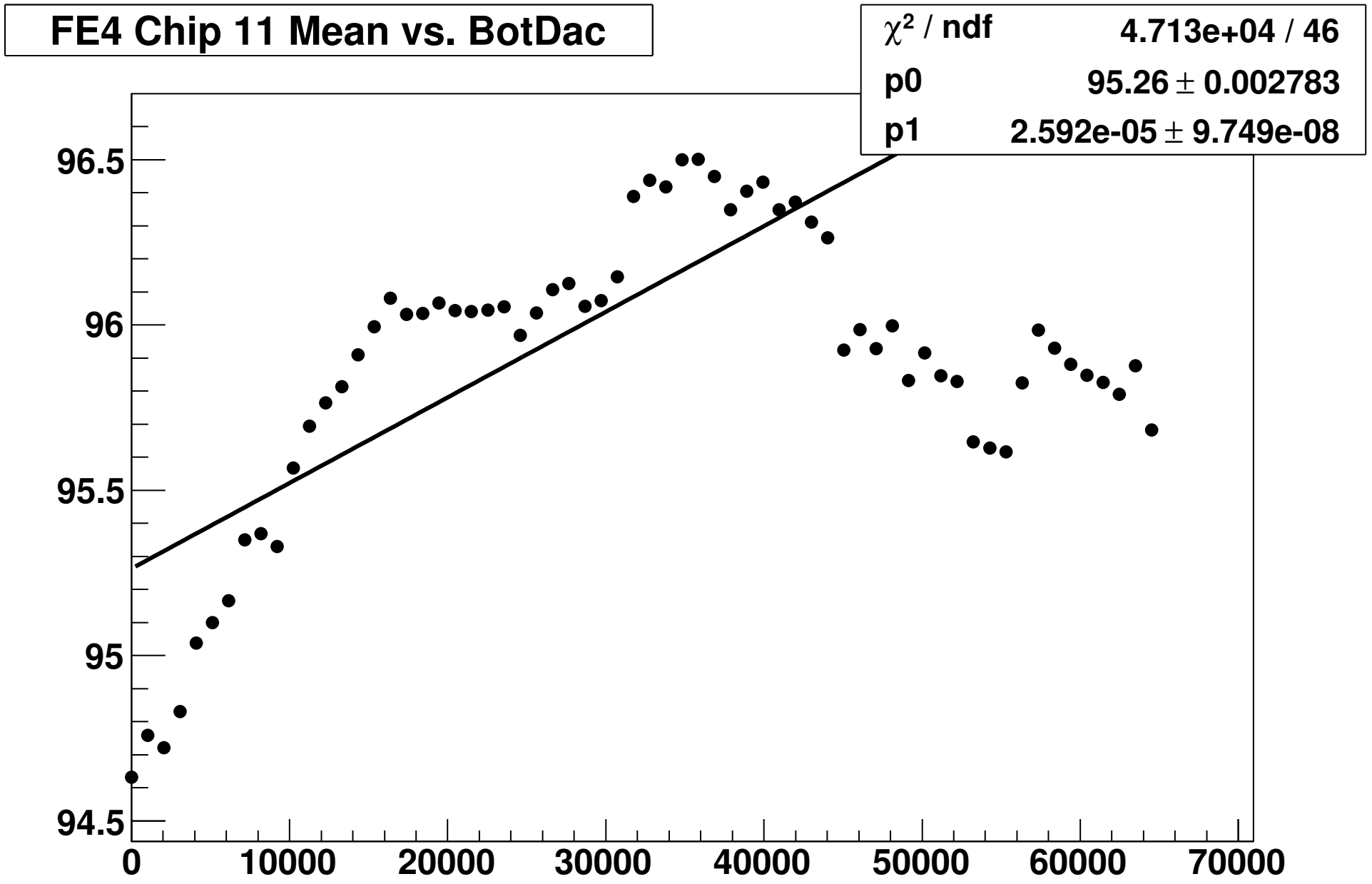

FE4 Chip 9 Rms vs. TopDac
χ² / ndf 3012 / 46
p0 1.404 ± 0.001541
p1 3.559e-05 ± 8.237e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

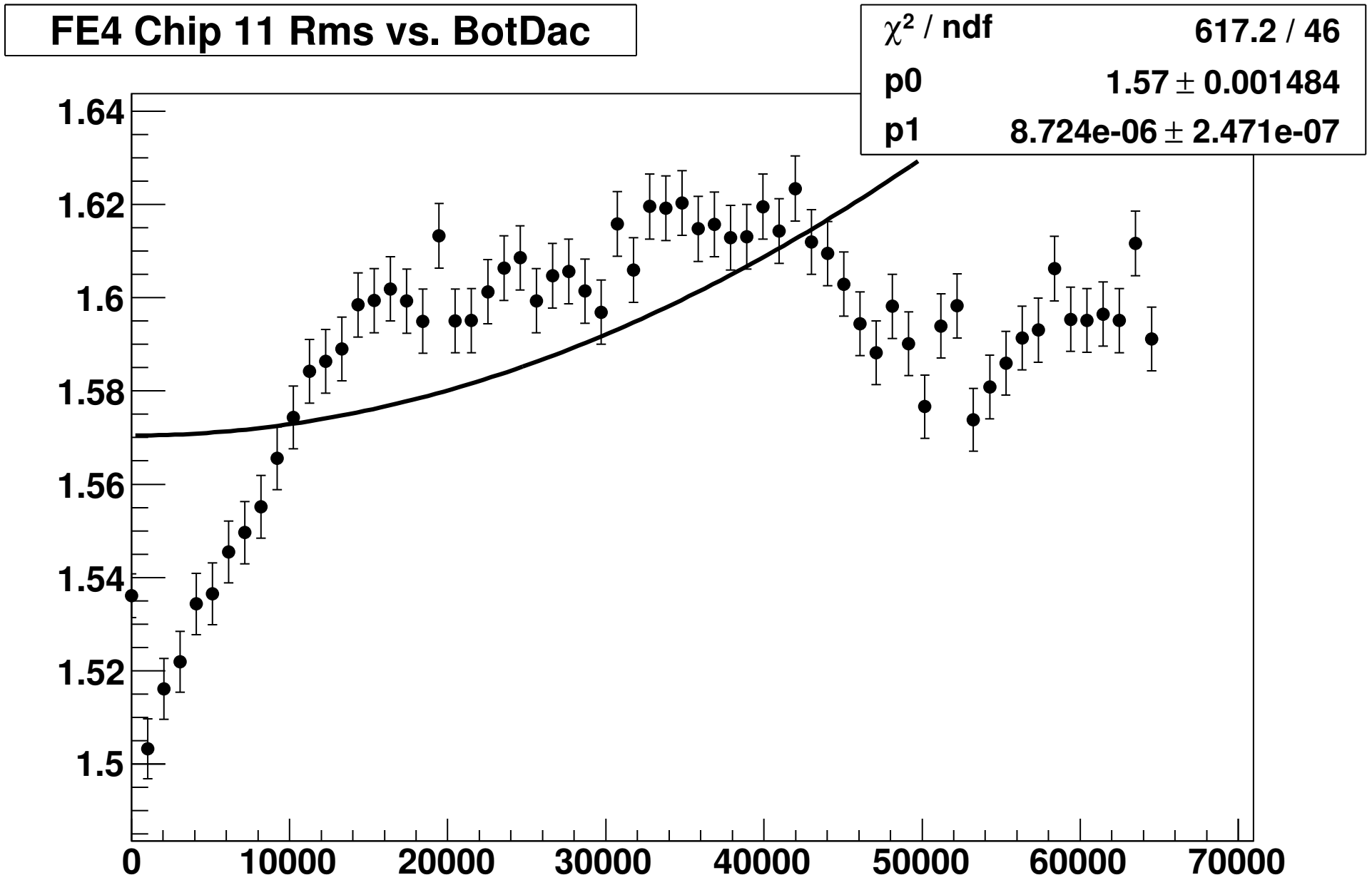

FE4 Chip 10 Mean vs. BotDac
χ² / ndf 4.405e+04 / 46
p0 90.67 ± 0.002637
p1 2.315e-05 ± 9.192e-08
91.8
91.6
91.4
91.2
91
90.8
90.6
90.4
90.2
90
0
10000
20000
30000
40000
50000
60000
70000

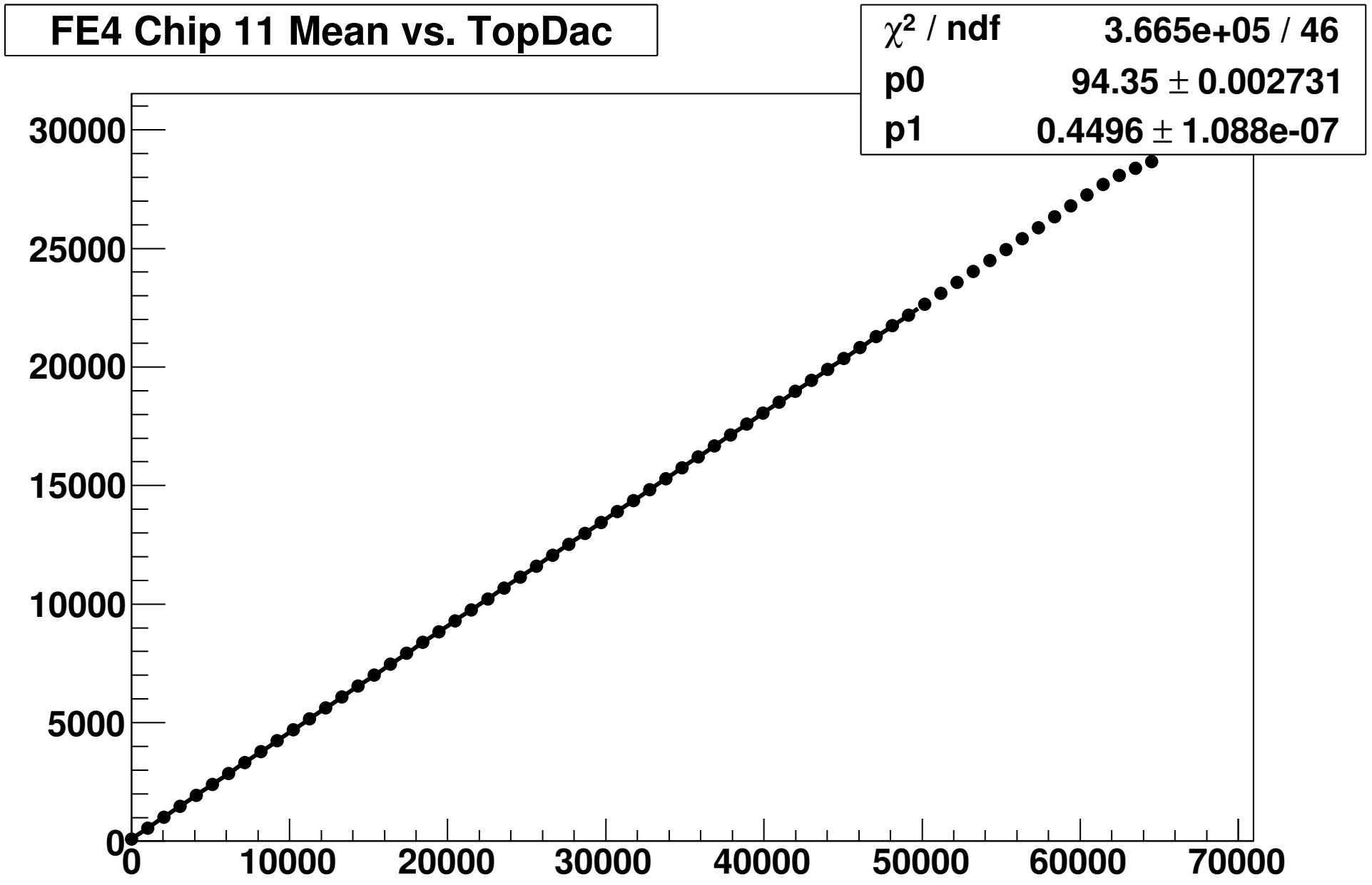

FE4 Chip 10 Rms vs. BotDac
χ² / ndf 119 / 46
p0 1.48 ± 0.001394
p1 5.551e-06 ± 3.392e-07
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

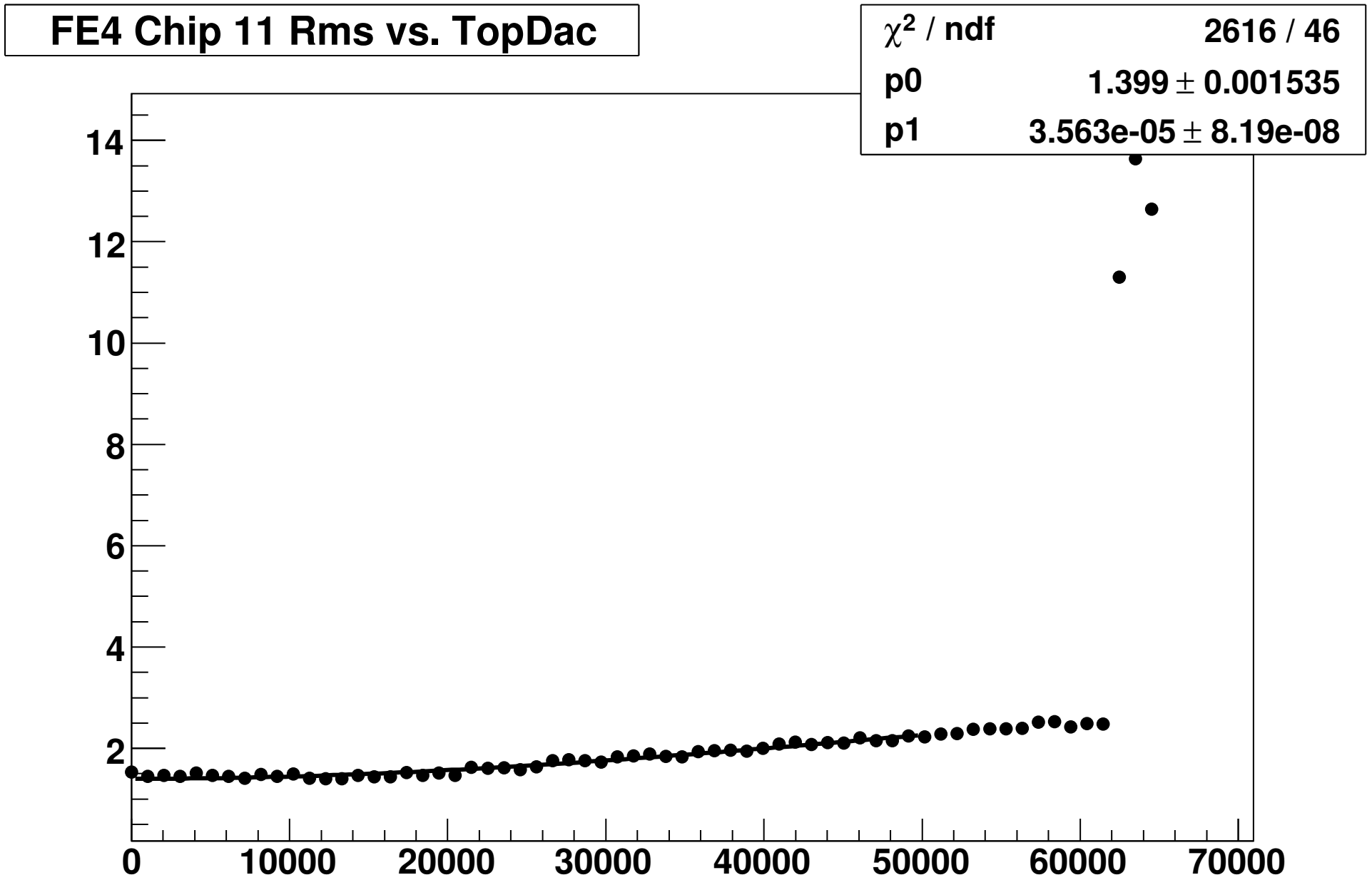

FE4 Chip 10 Mean vs. TopDac
χ² / ndf 3.935e+05 / 46
p0 90.21 ± 0.002729
p1 0.4496 ± 1.091e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 2200 / 46
p0 1.389 ± 0.001532
p1 3.596e-05 ± 8.123e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 4.713e+04 / 46
p0 95.26 ± 0.002783
p1 2.592e-05 ± 9.749e-08
96.5
96
95.5
95
94.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. BotDac
χ² / ndf 617.2 / 46
p0 1.57 ± 0.001484
p1 8.724e-06 ± 2.471e-07
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 3.665e+05 / 46
p0 94.35 ± 0.002731
p1 0.4496 ± 1.088e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 2616 / 46
p0 1.399 ± 0.001535
p1 3.563e-05 ± 8.19e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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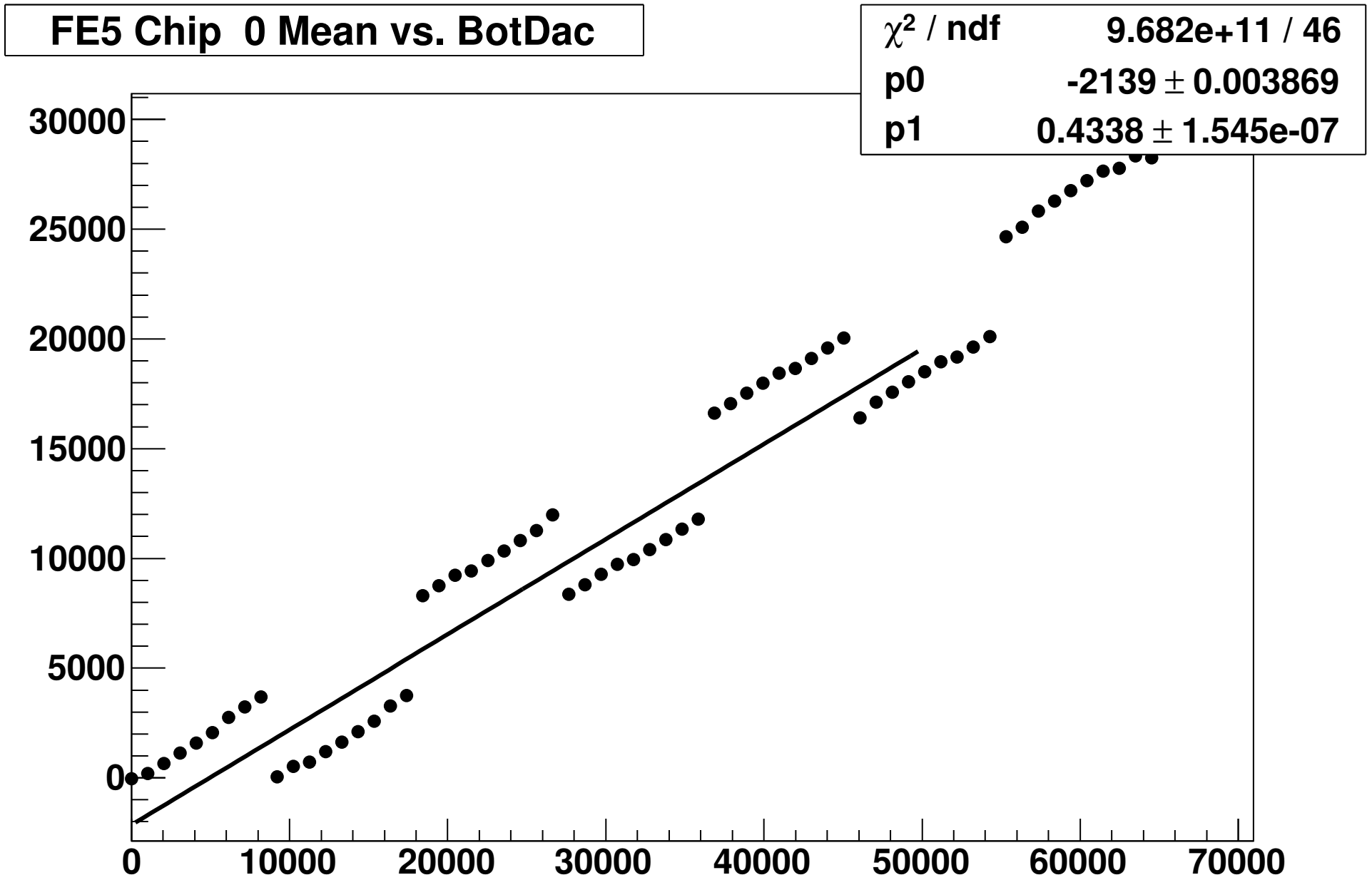
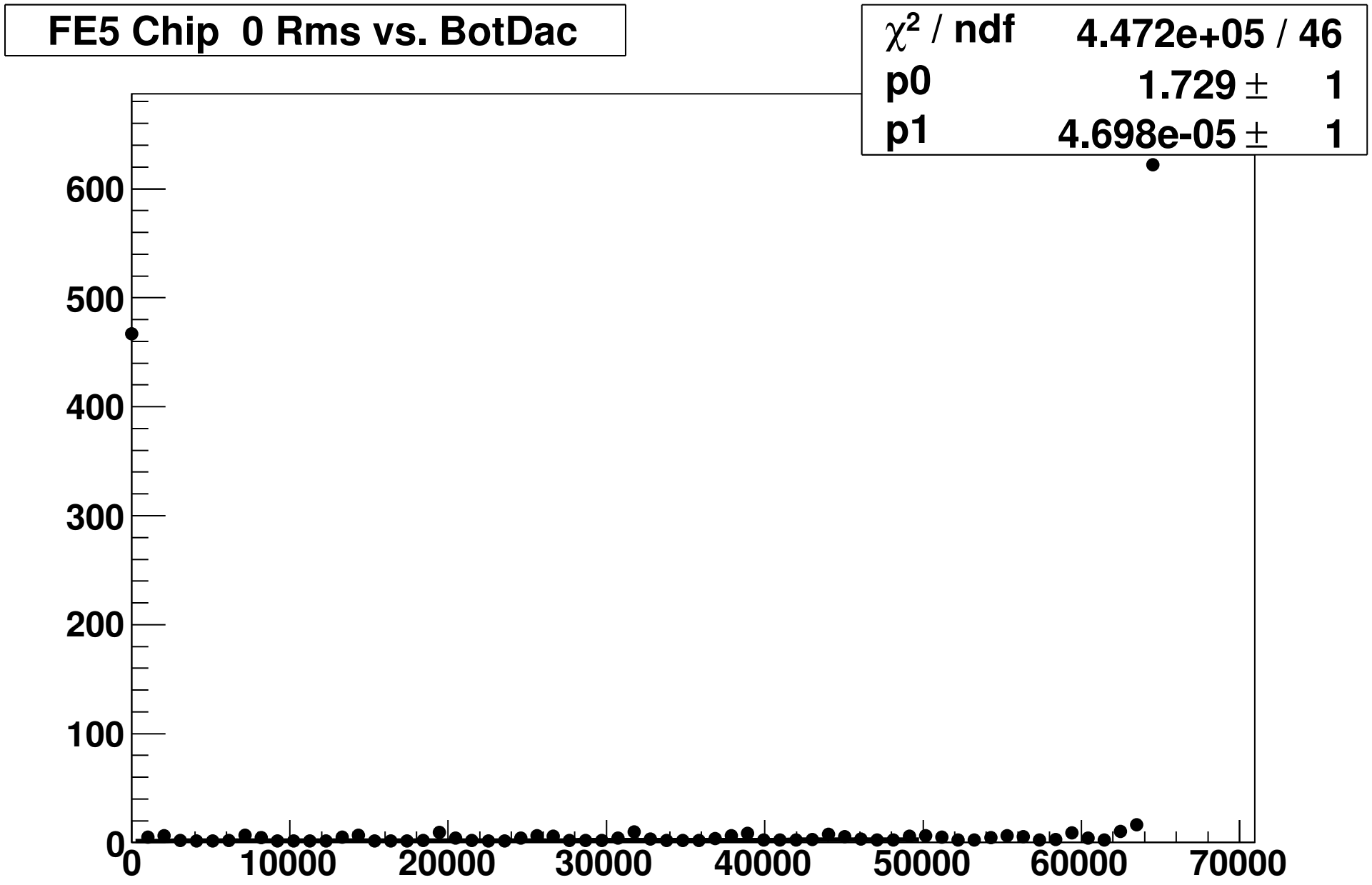
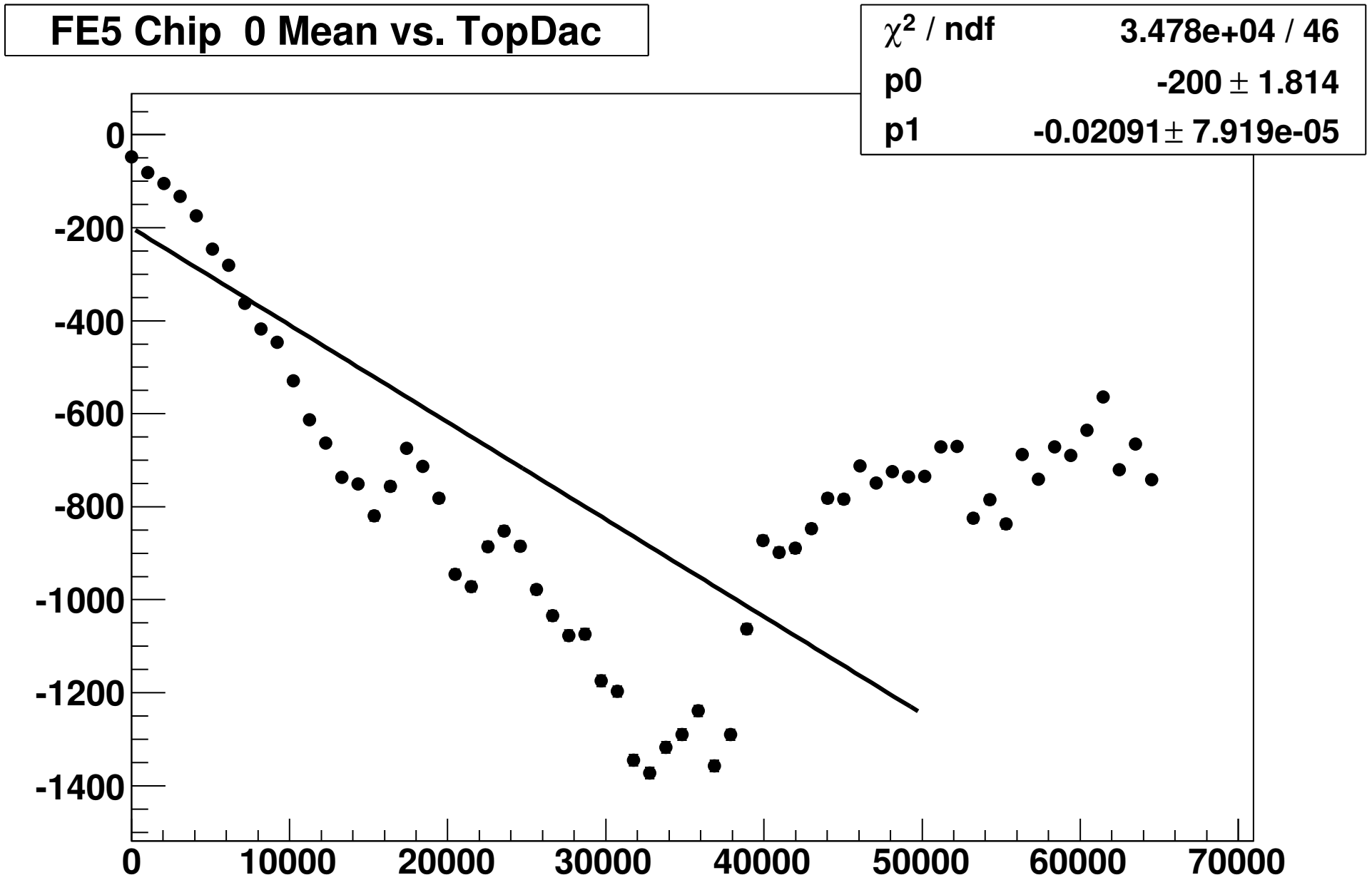
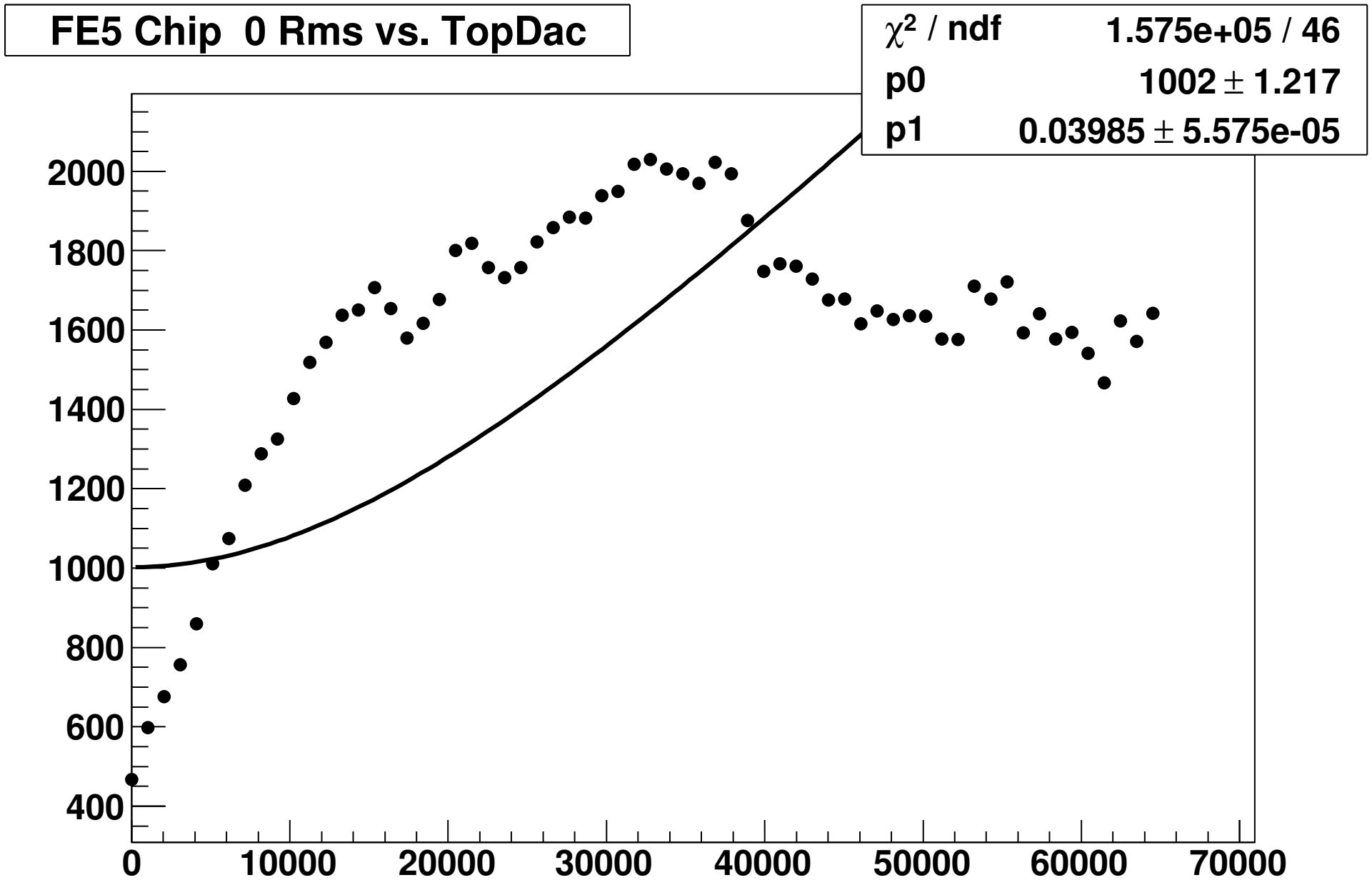
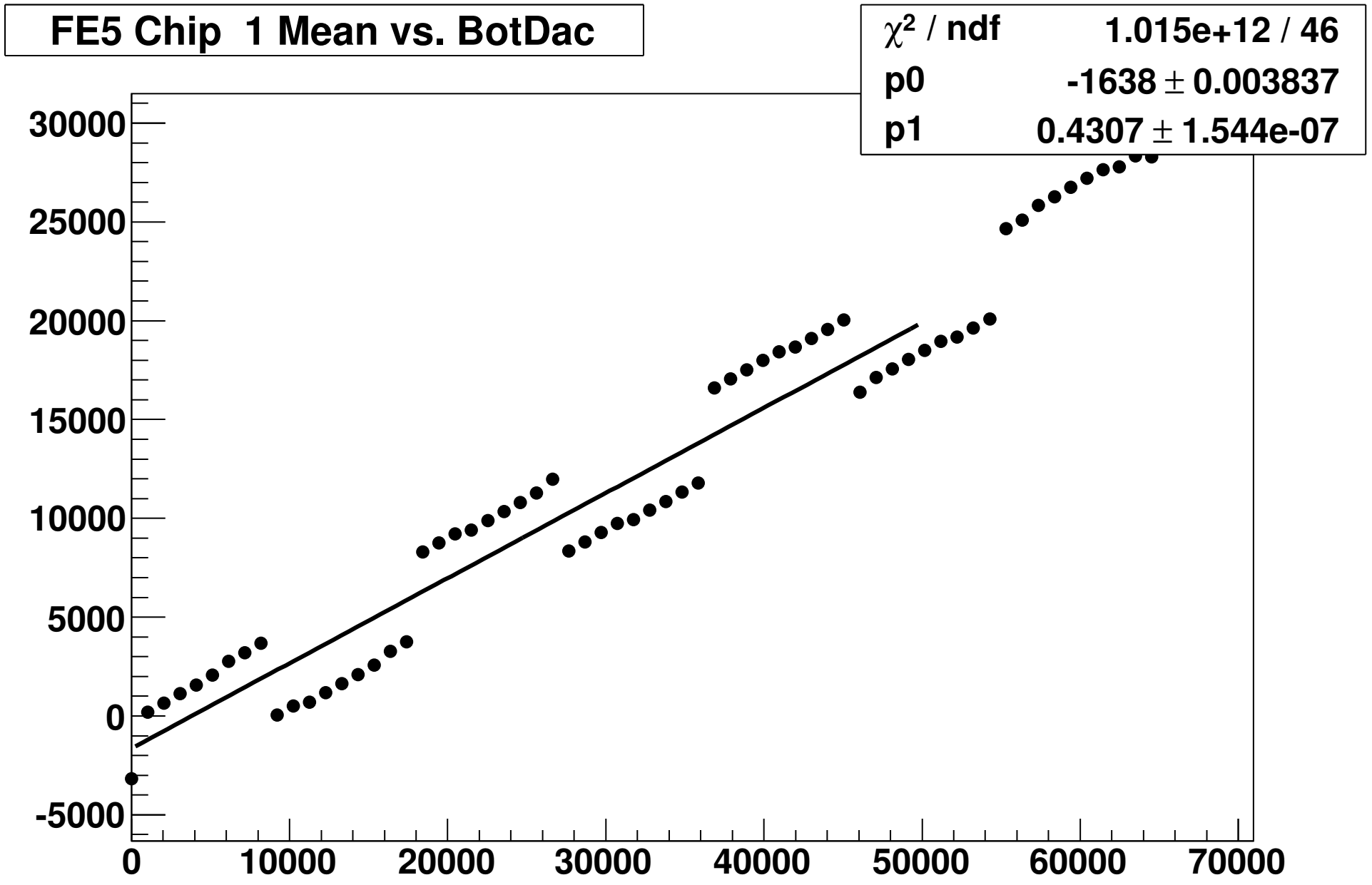
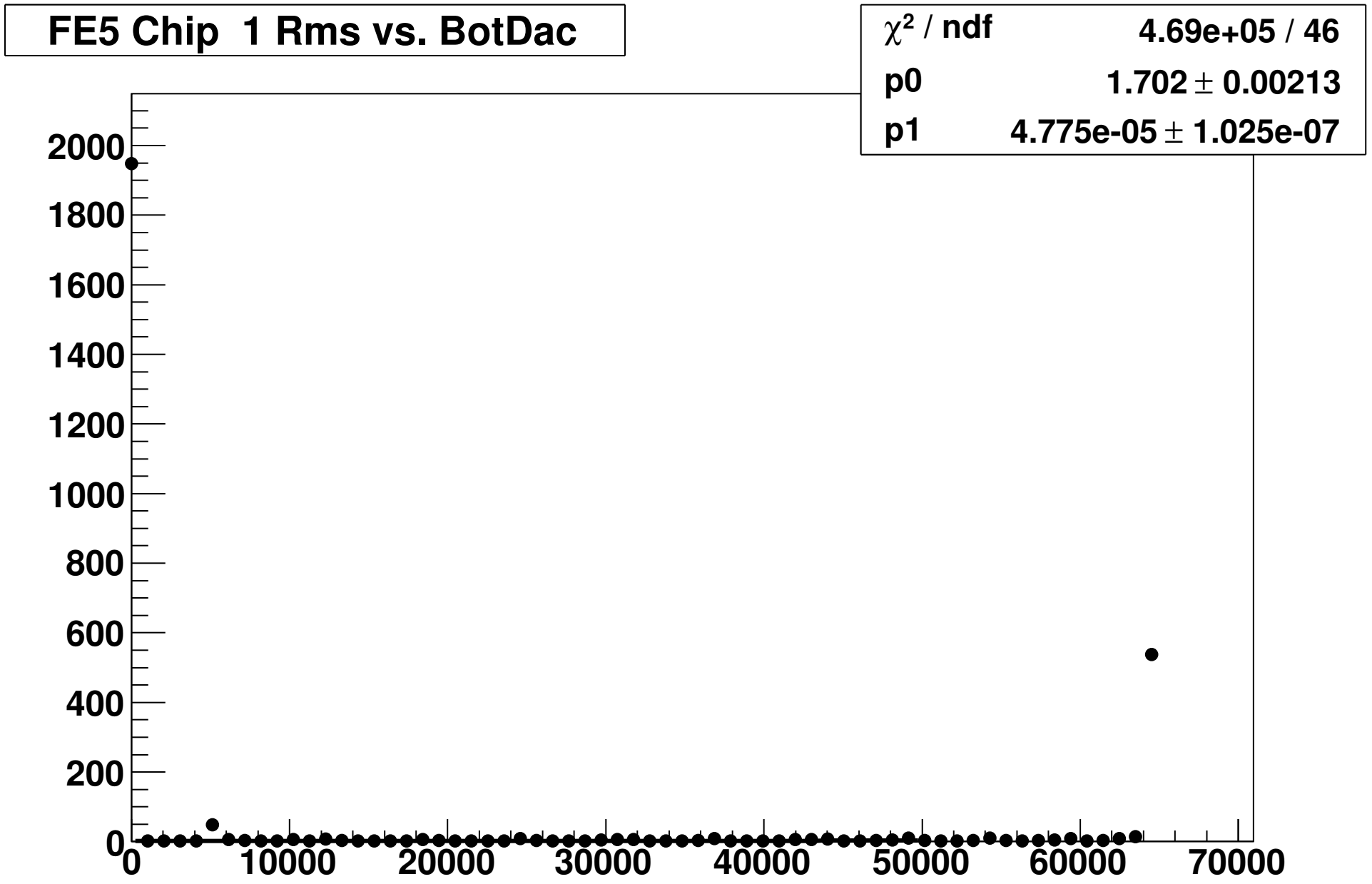

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 9.682e+11 / 46
p0 -2139 ± 0.003869
p1 0.4338 ± 1.545e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

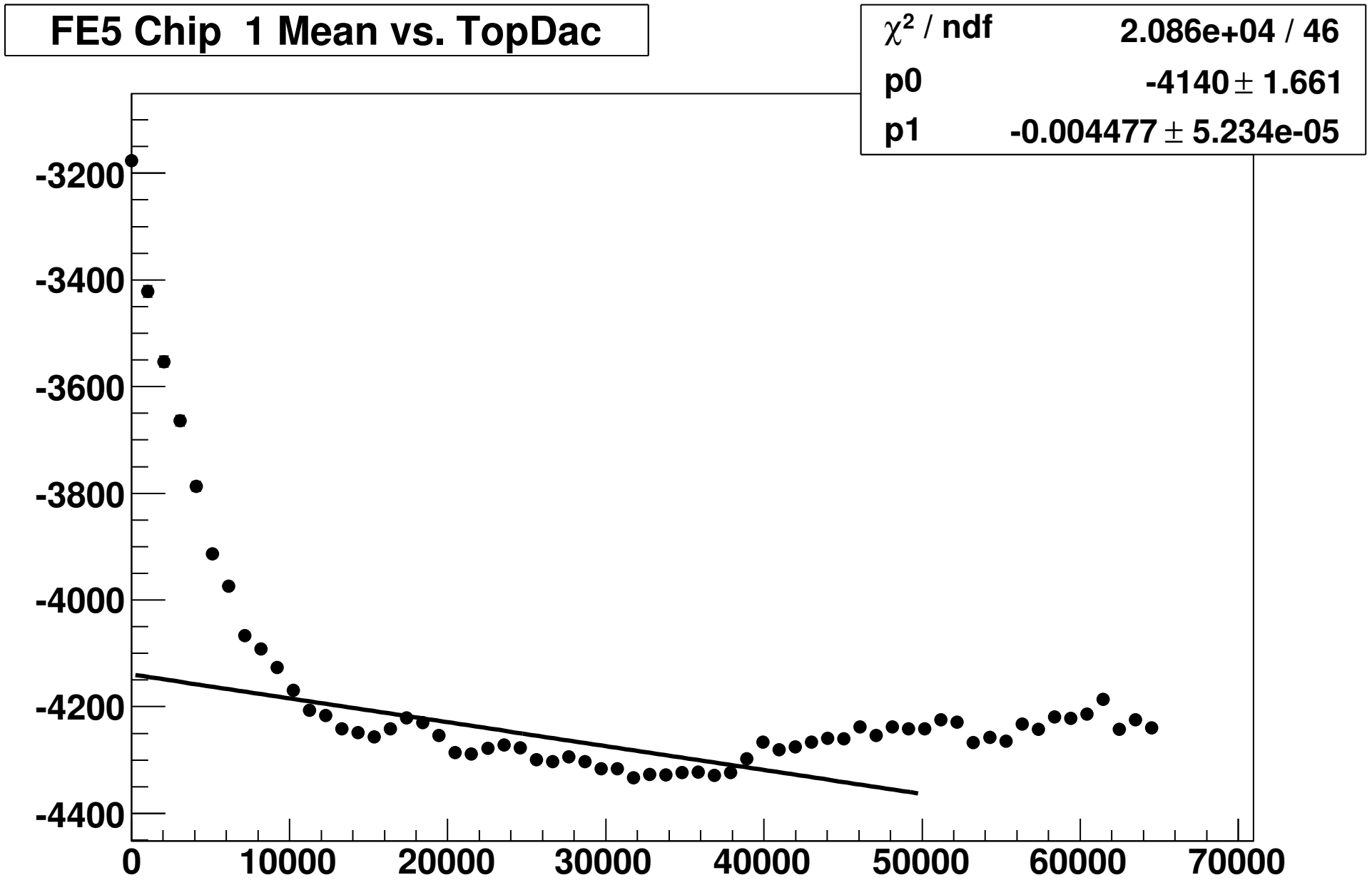

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 4.472e+05 / 46
p0 1.729 ± 1
p1 4.698e-05 ± 1
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000
70000

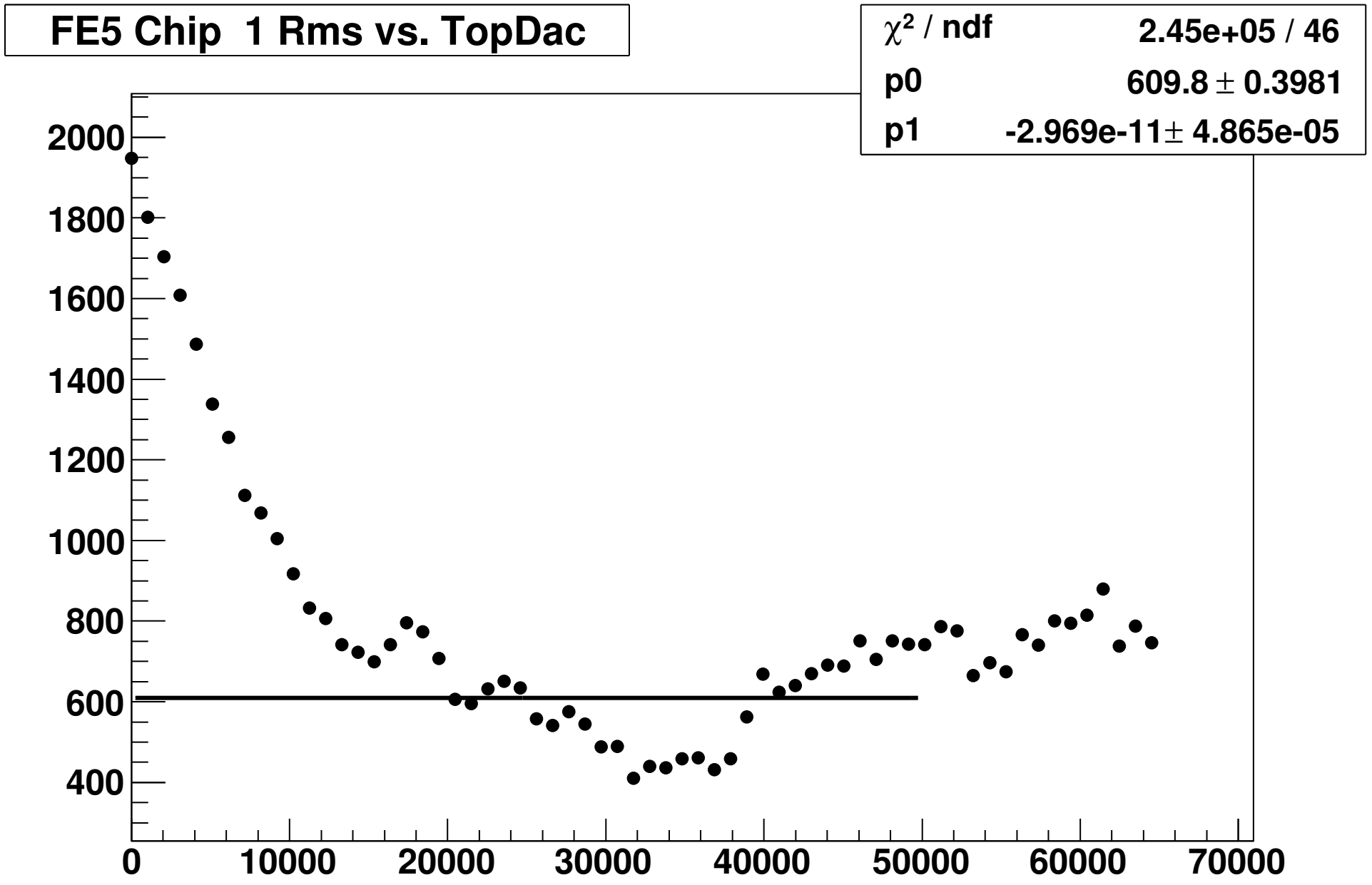

FE5 Chip 0 Mean vs. TopDac
χ² / ndf 3.478e+04 / 46
p0 -200 ± 1.814
p1 -0.02091 ± 7.919e-05
0
-200
-400
-600
-800
-1000
-1200
-1400
0
10000
20000
30000
40000
50000
60000
70000

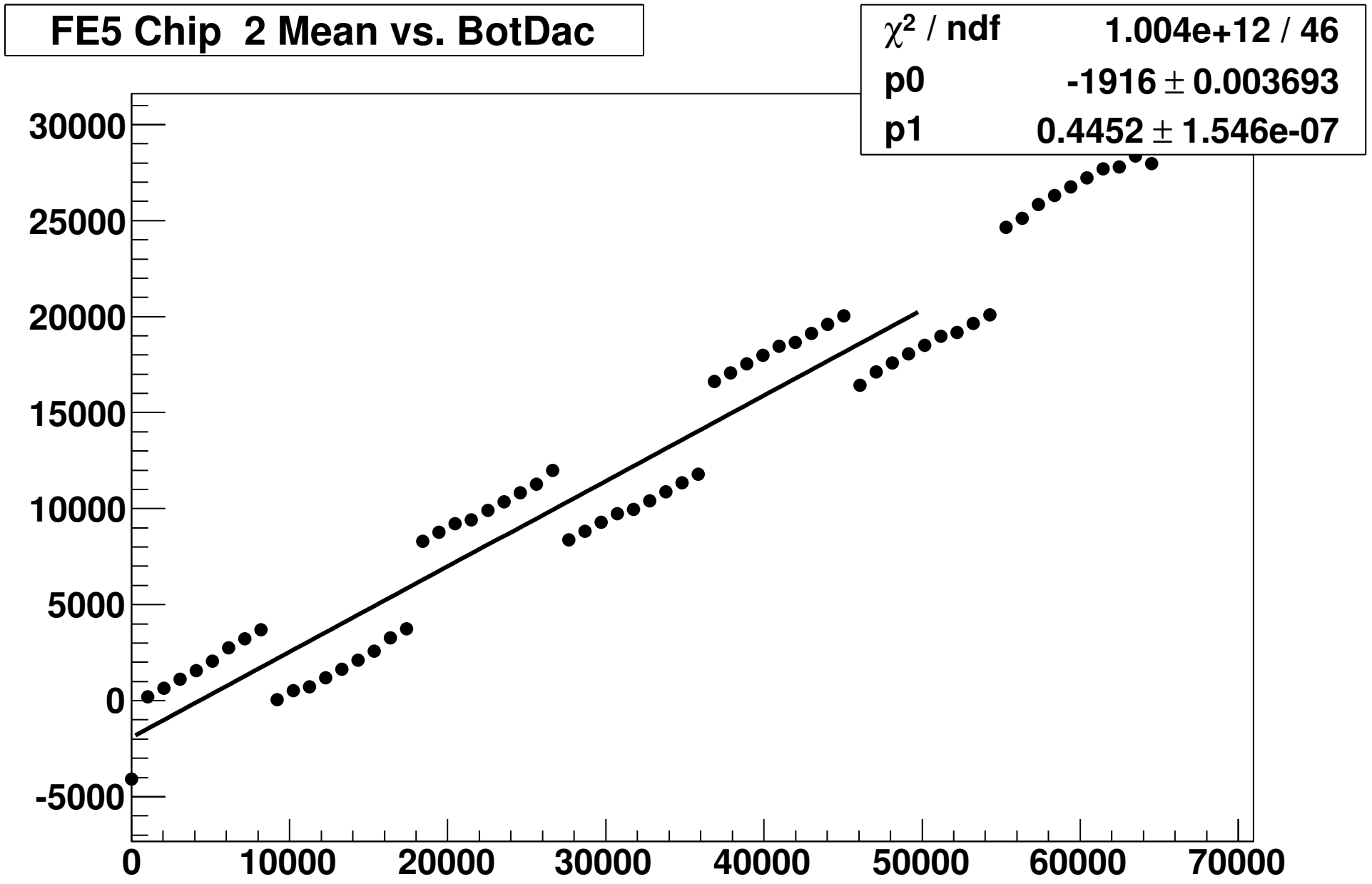

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 1.575e+05 / 46
p0 1002 ± 1.217
p1 0.03985 ± 5.575e-05
2000
1800
1600
1400
1200
1000
800
600
400
0
10000
20000
30000
40000
50000
60000
70000

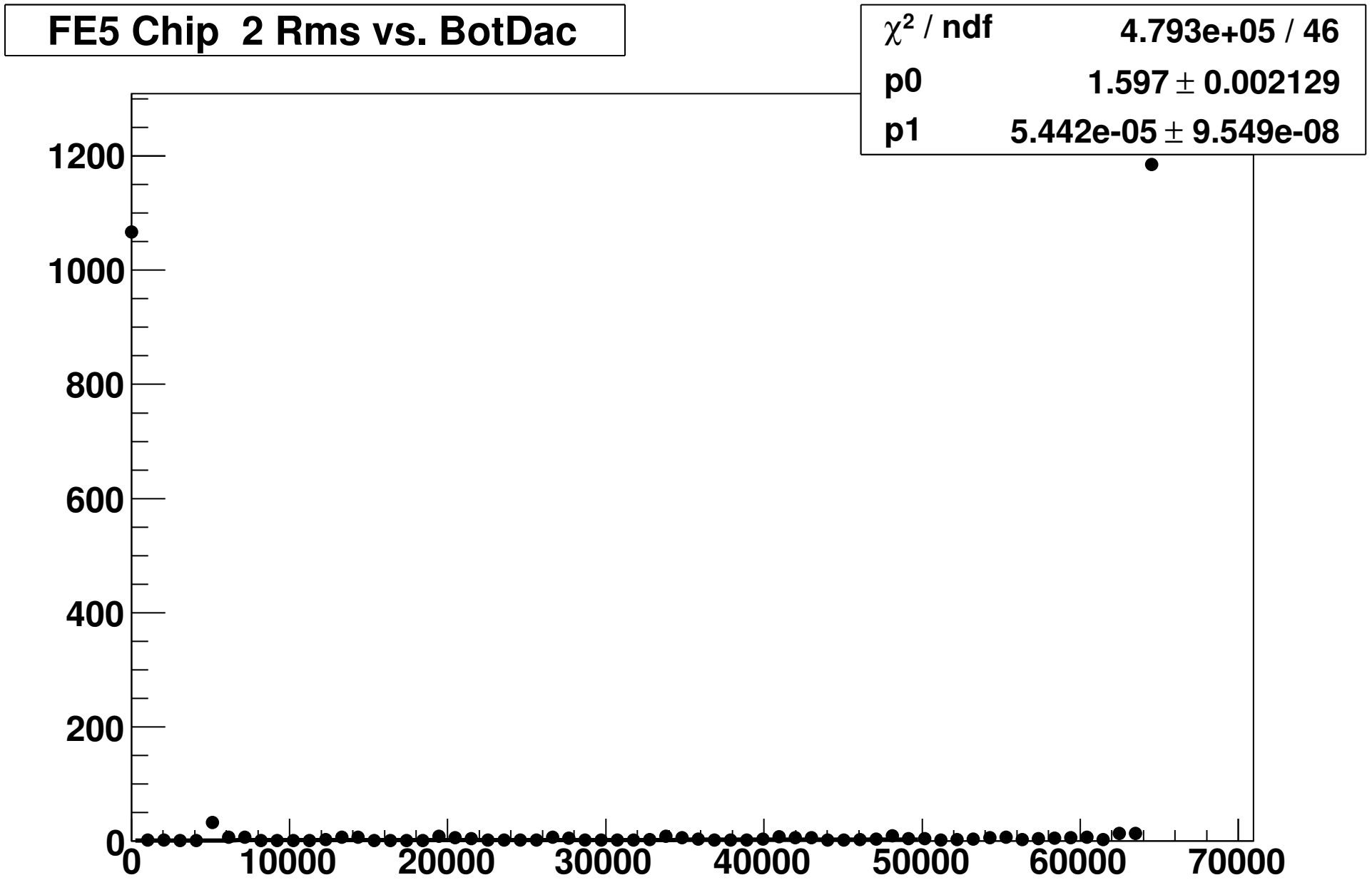

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.015e+12 / 46
p0 -1638 ± 0.003837
p1 0.4307 ± 1.544e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

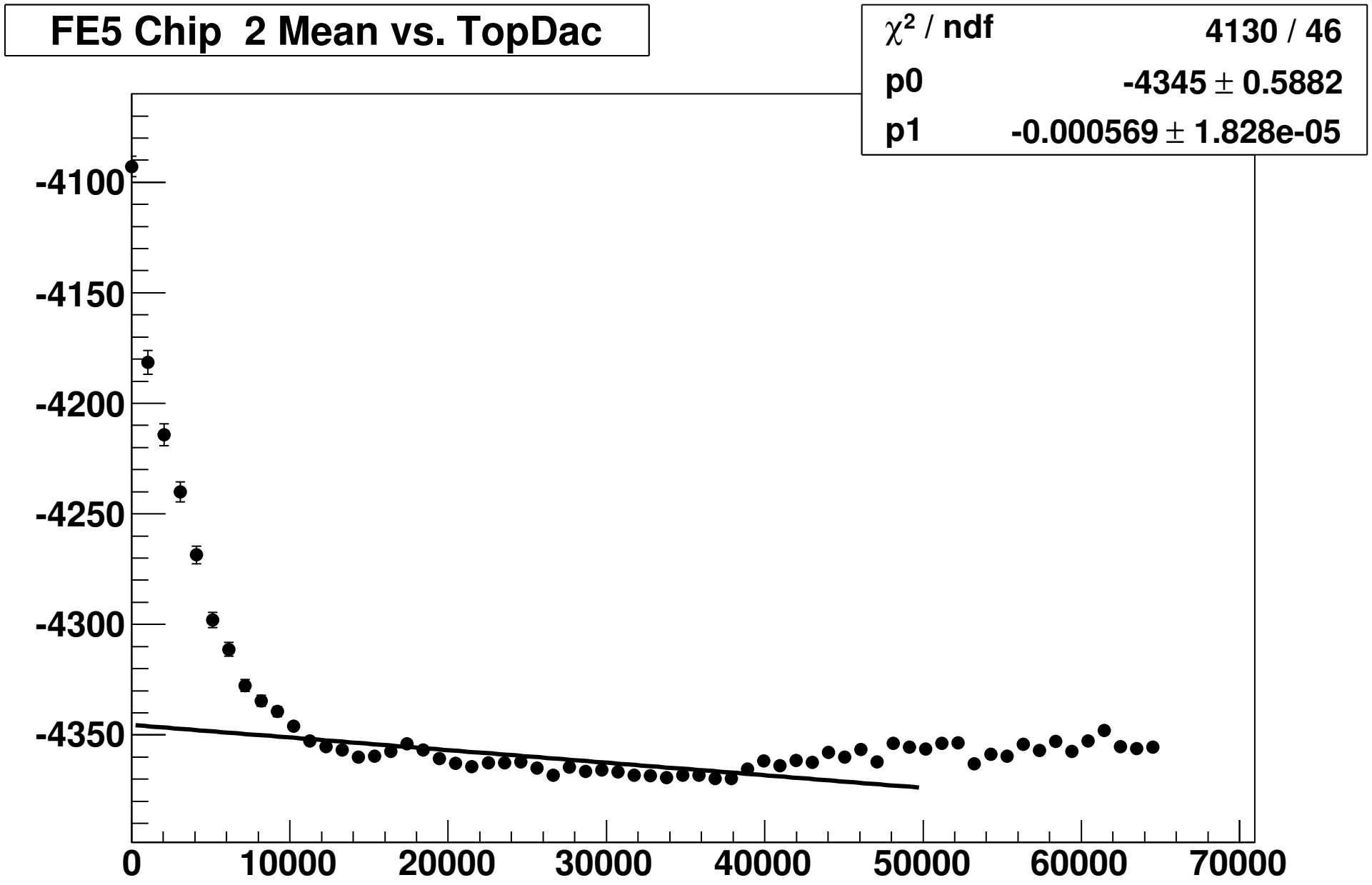

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 4.69e+05 / 46
p0 1.702 ± 0.00213
p1 4.775e-05 ± 1.025e-07
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

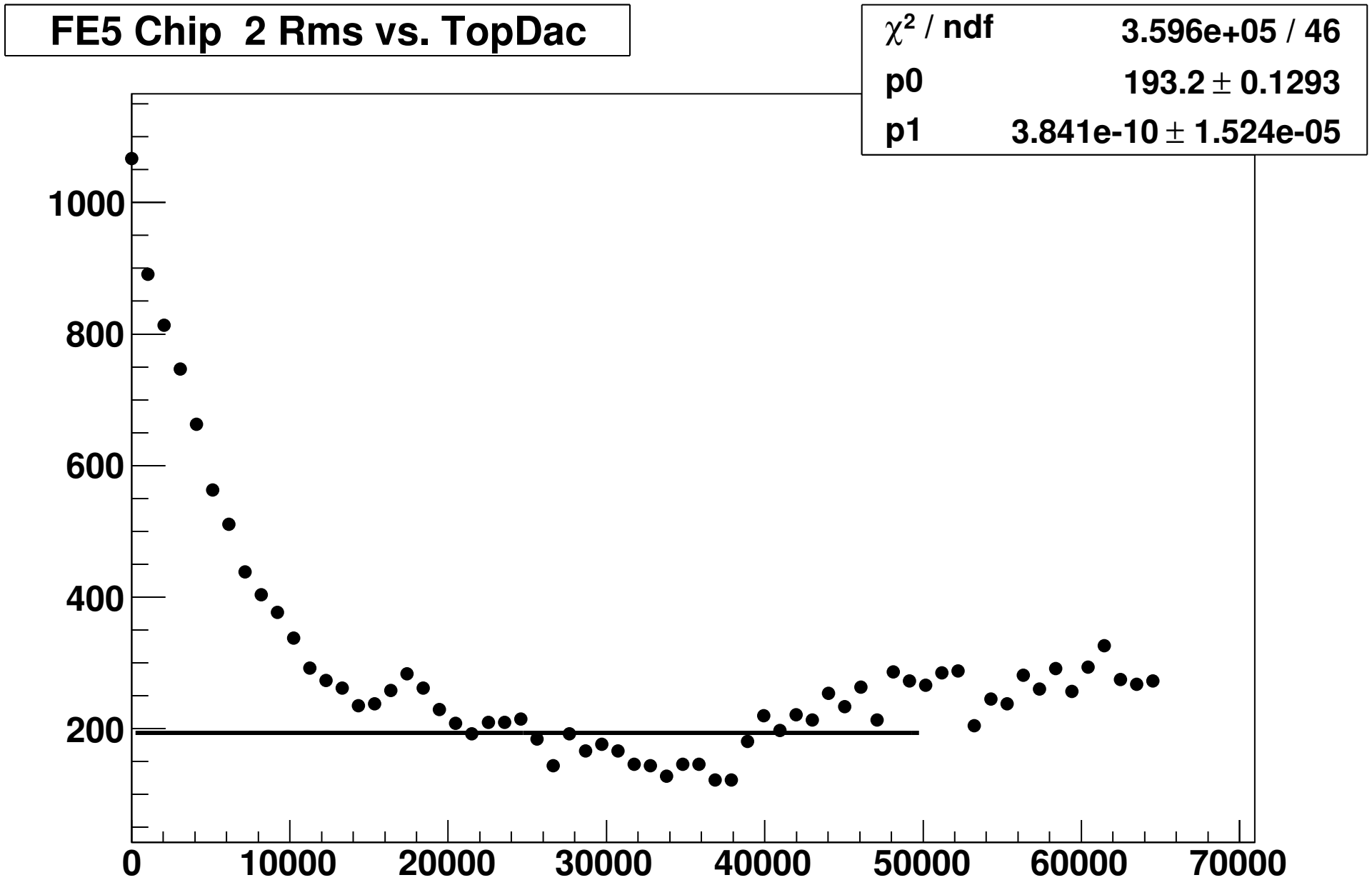

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 2.086e+04 / 46
p0 -4140 ± 1.661
p1 -0.004477 ± 5.234e-05
-3200
-3400
-3600
-3800
-4000
-4200
-4400
0
10000
20000
30000
40000
50000
60000
70000

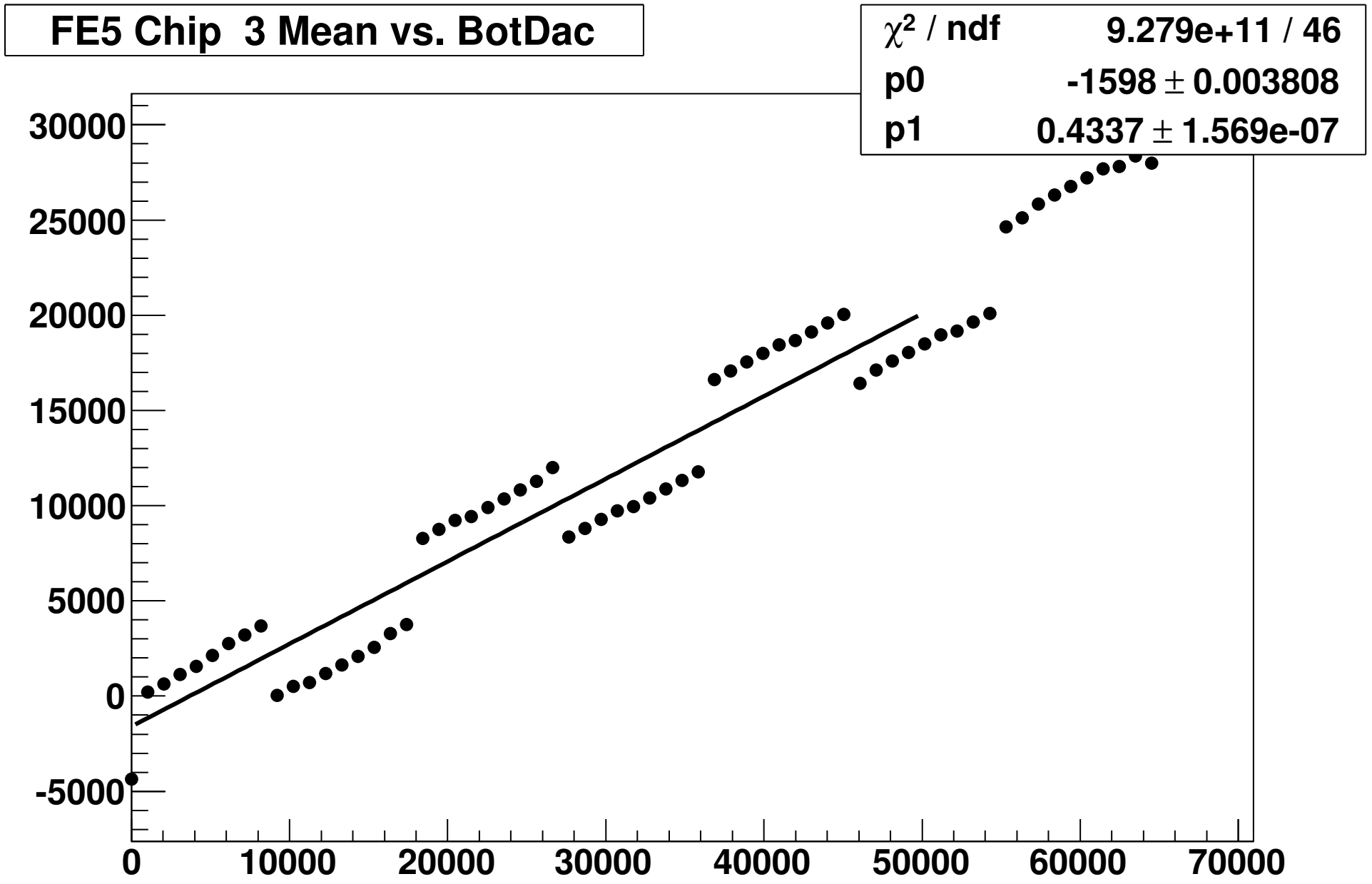

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 2.45e+05 / 46
p0 609.8 ± 0.3981
p1 -2.969e-11 ± 4.865e-05
2000
1800
1600
1400
1200
1000
800
600
400
0
10000
20000
30000
40000
50000
60000
70000

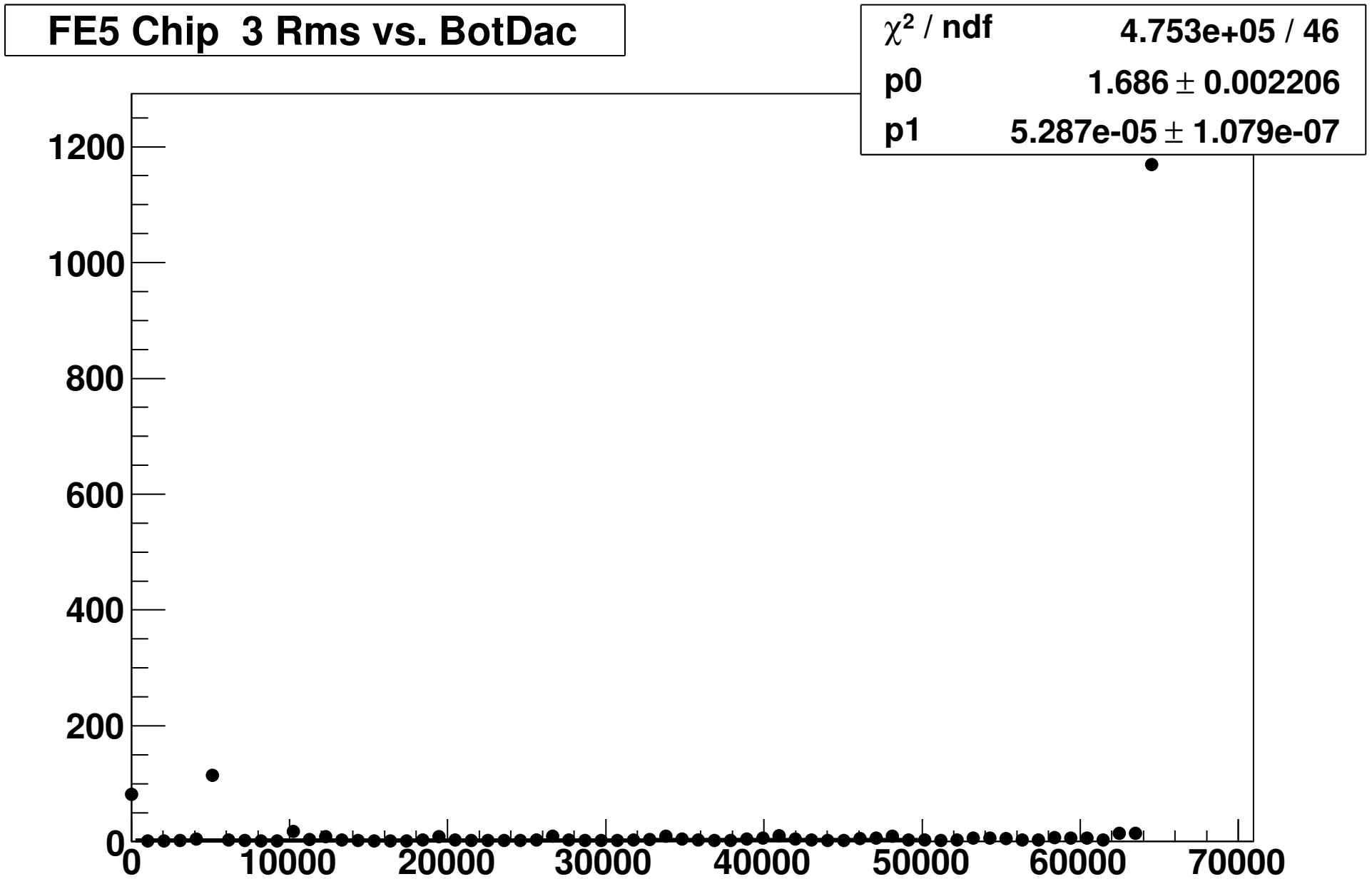

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 1.004e+12 / 46
p0 -1916 ± 0.003693
p1 0.4452 ± 1.546e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

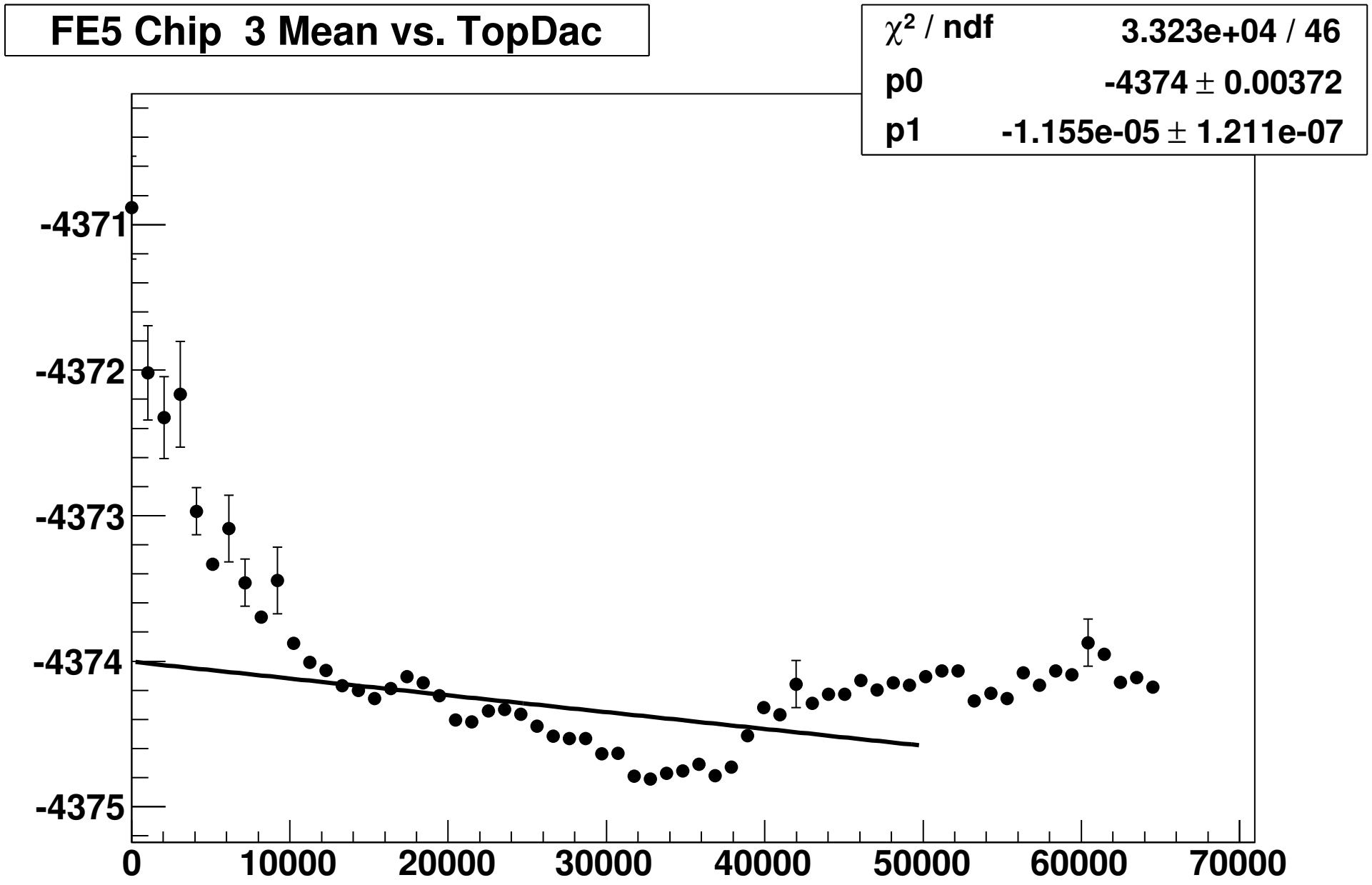

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 4.793e+05 / 46
p0 1.597 ± 0.002129
p1 5.442e-05 ± 9.549e-08
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

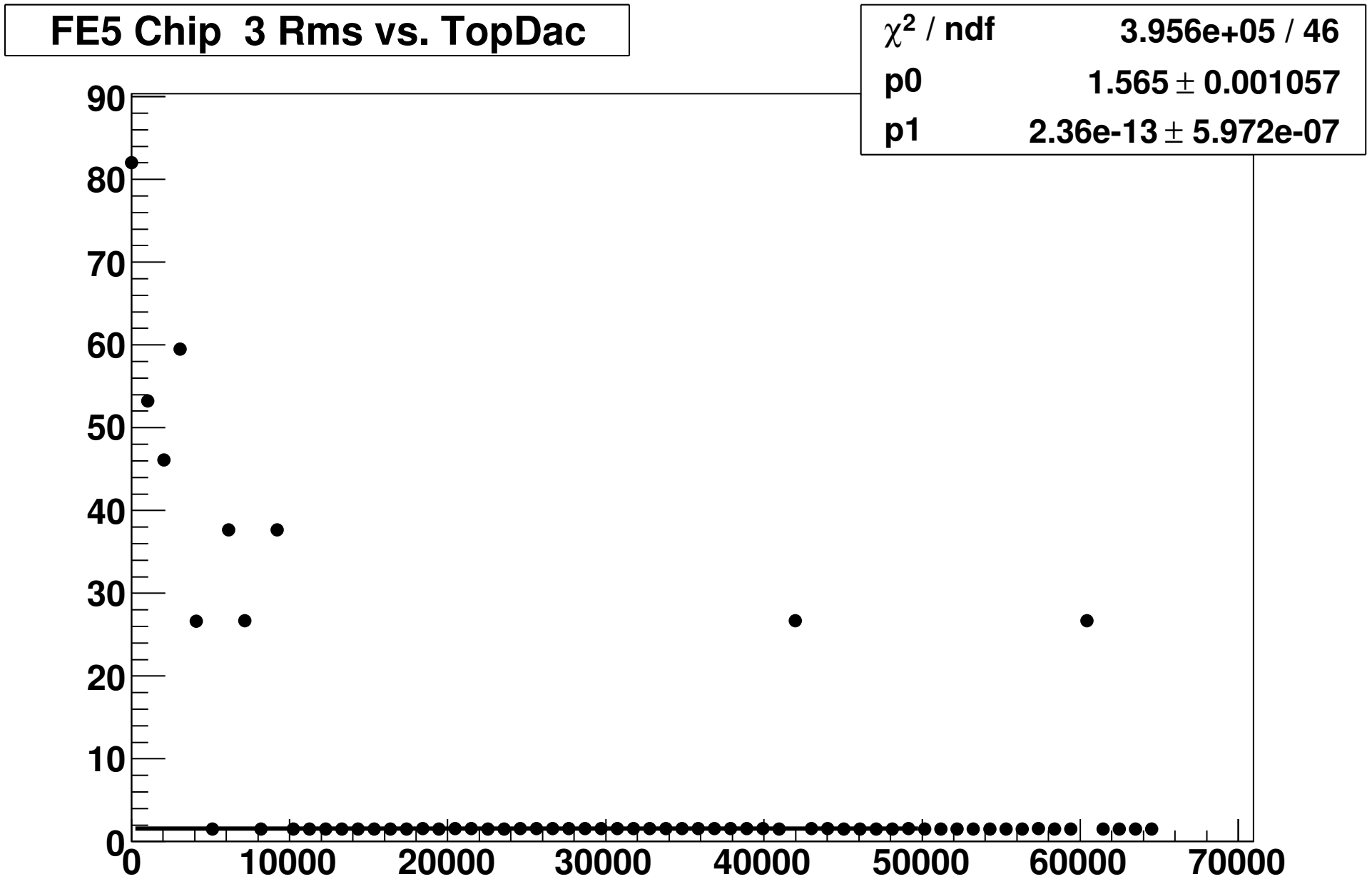

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 4130 / 46
p0 -4345 ± 0.5882
p1 -0.000569 ± 1.828e-05
-4100
-4150
-4200
-4250
-4300
-4350
0
10000
20000
30000
40000
50000
60000
70000

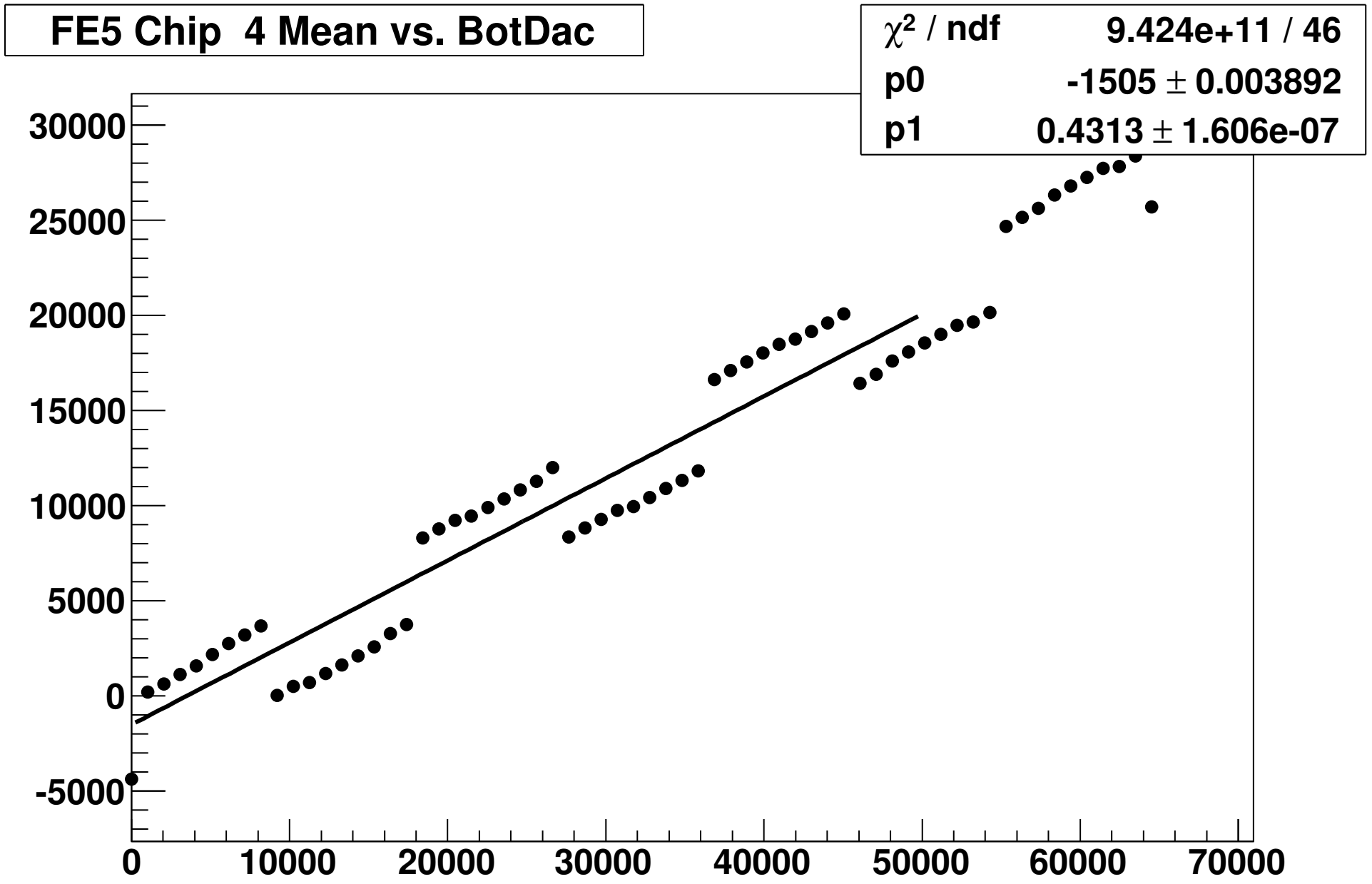

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 3.596e+05 / 46
p0 193.2 ± 0.1293
p1 3.841e-10 ± 1.524e-05
1000
800
600
400
200
0
10000
20000
30000
40000
50000
60000
70000

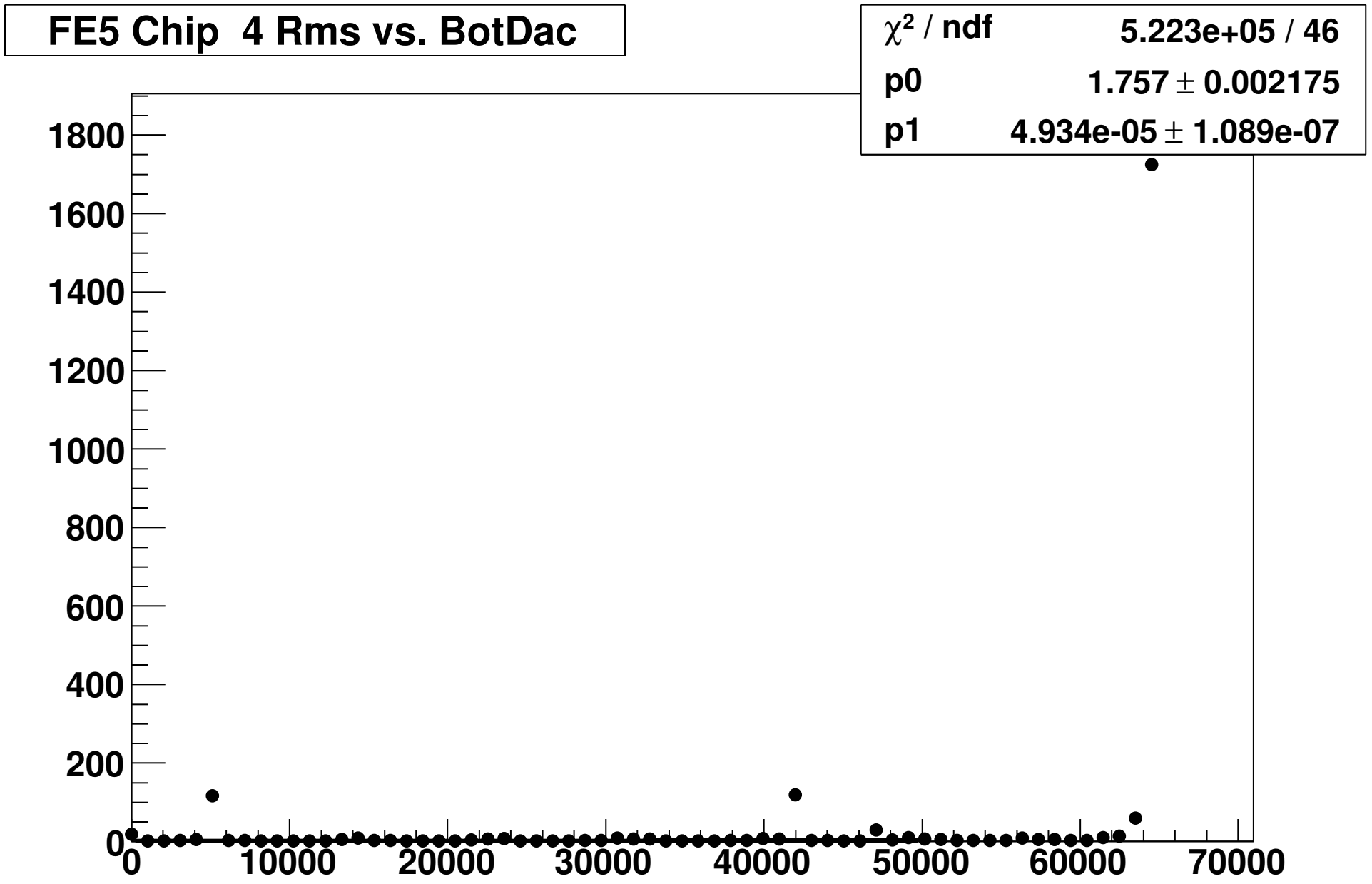

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 9.279e+11 / 46
p0 -1598 ± 0.003808
p1 0.4337 ± 1.569e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

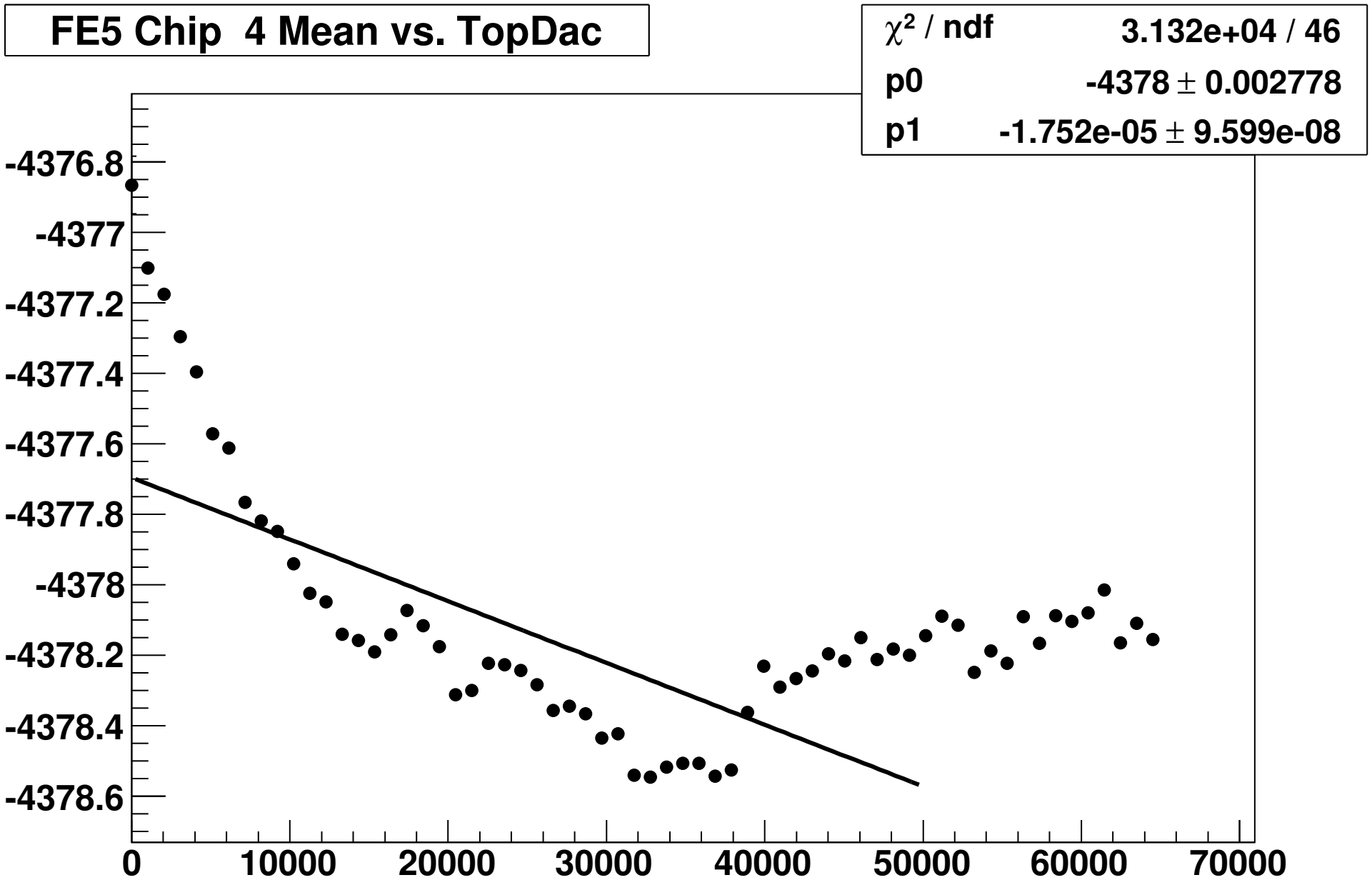

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 4.753e+05 / 46
p0 1.686 ± 0.002206
p1 5.287e-05 ± 1.079e-07
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

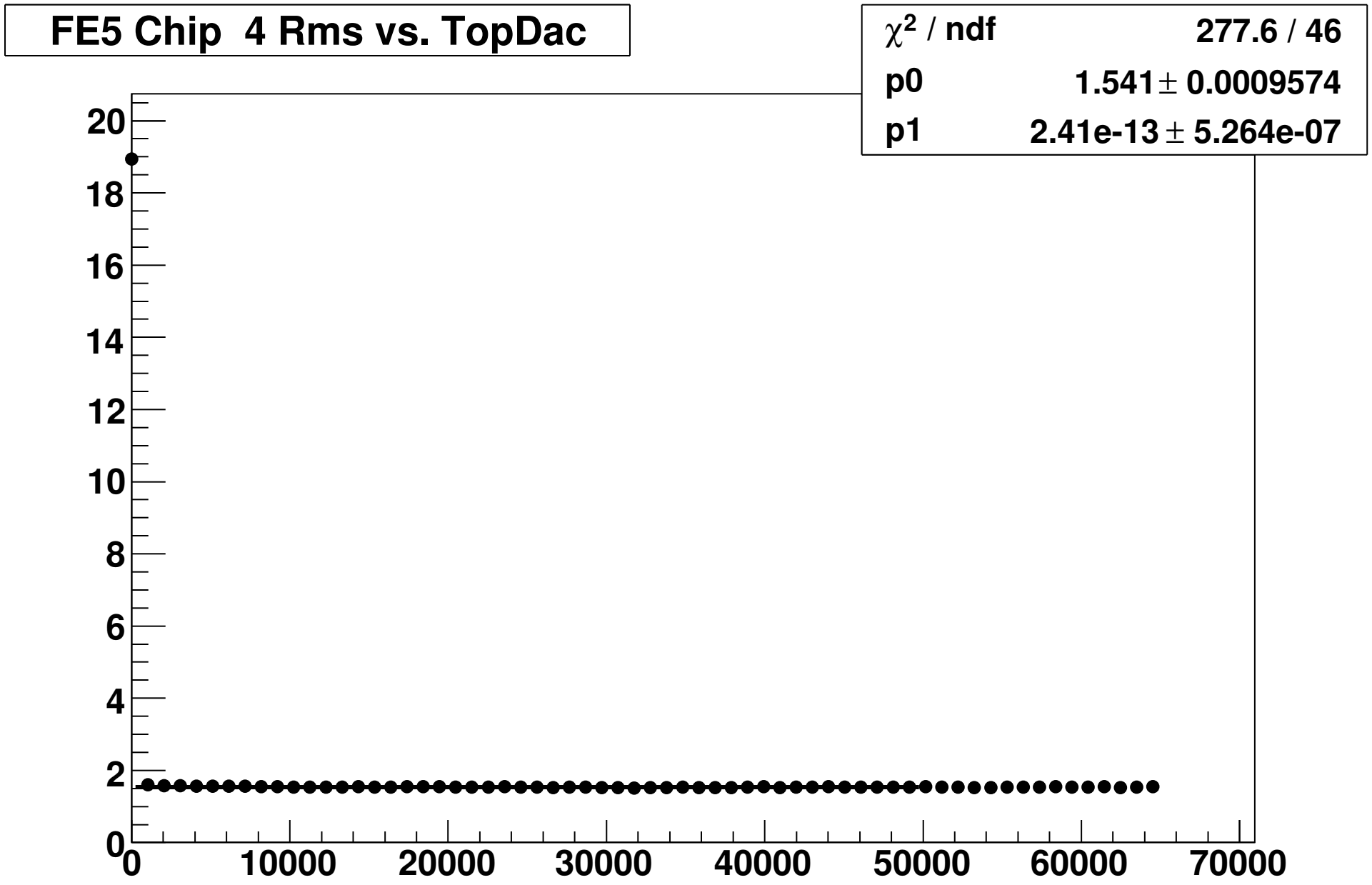

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 3.323e+04 / 46
p0 -4374 ± 0.00372
p1 -1.155e-05 ± 1.211e-07
-4371
-4372
-4373
-4374
-4375
0
10000
20000
30000
40000
50000
60000
70000

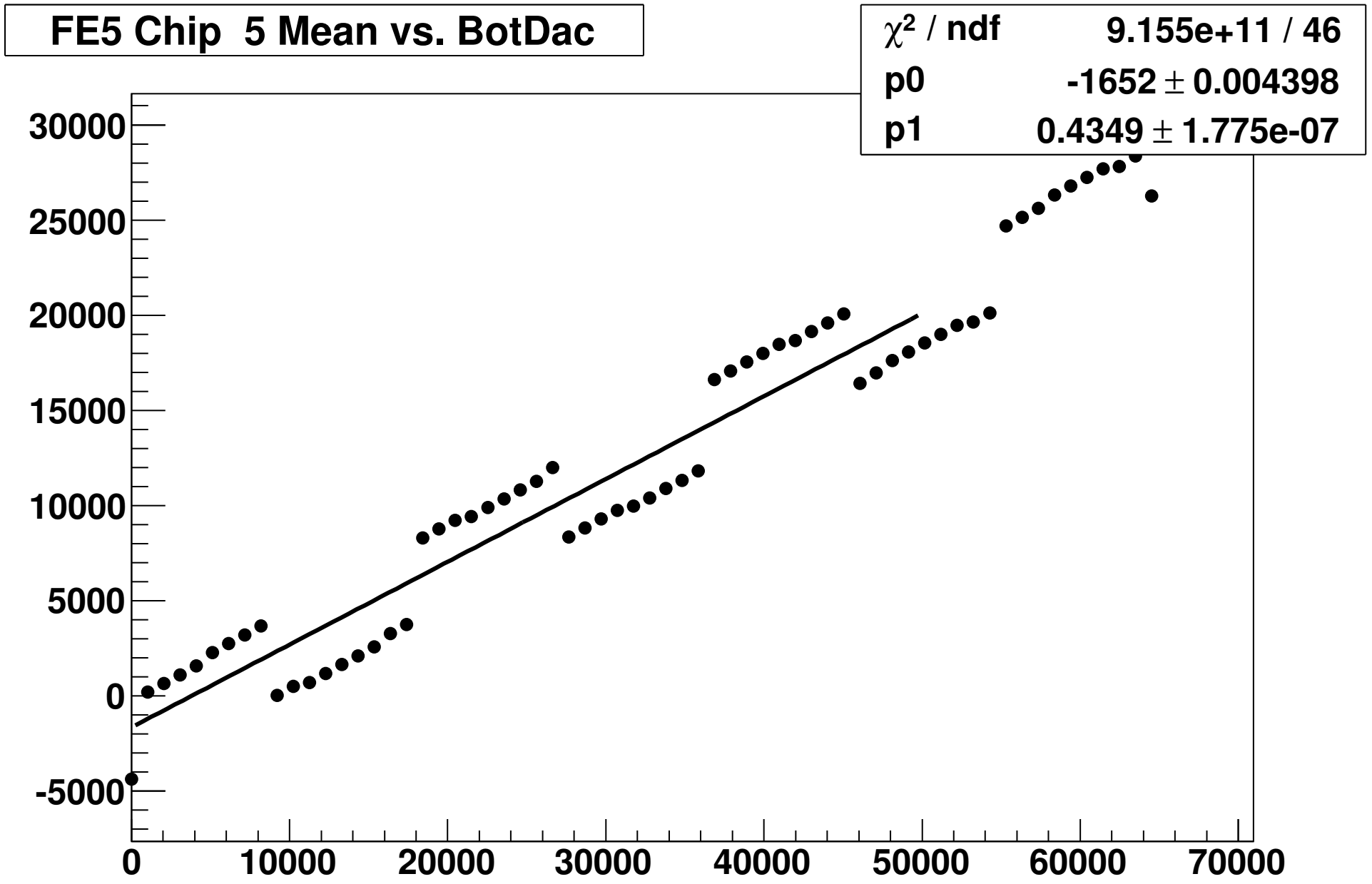

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 3.956e+05 / 46
p0 1.565 ± 0.001057
p1 2.36e-13 ± 5.972e-07
90
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000
70000

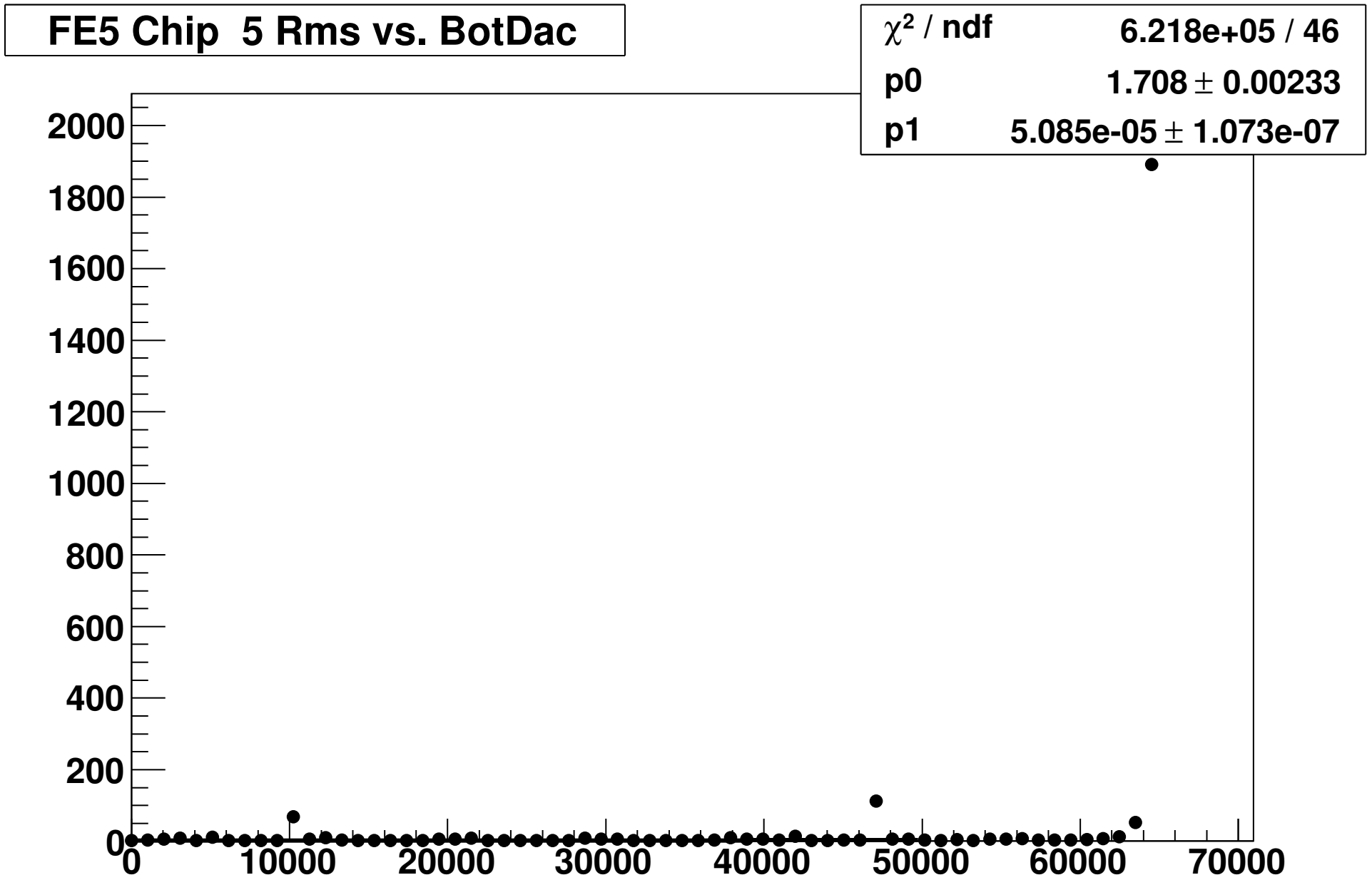

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 9.424e+11 / 46
p0 -1505 ± 0.003892
p1 0.4313 ± 1.606e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

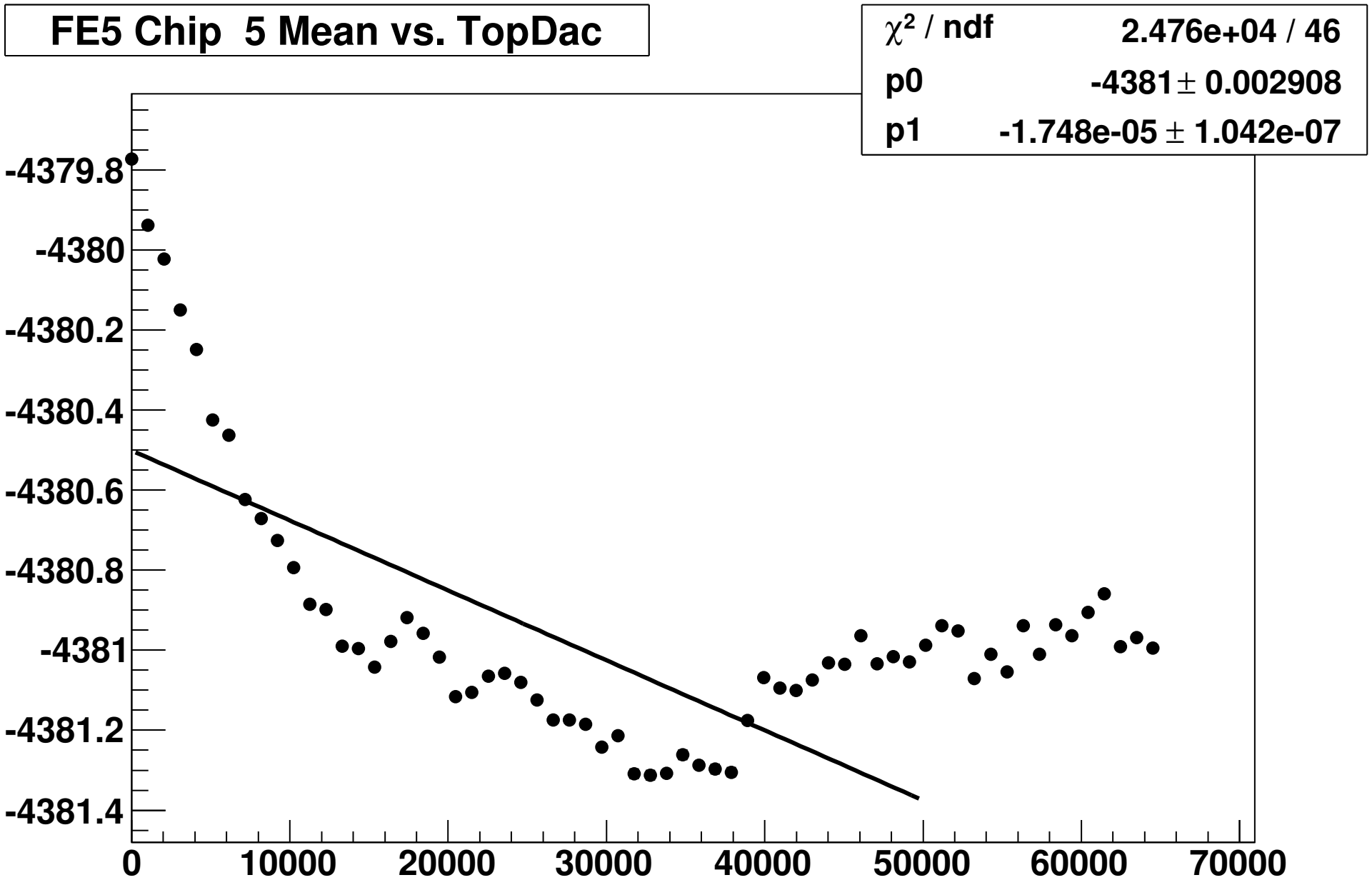

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 5.223e+05 / 46
p0 1.757 ± 0.002175
p1 4.934e-05 ± 1.089e-07
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

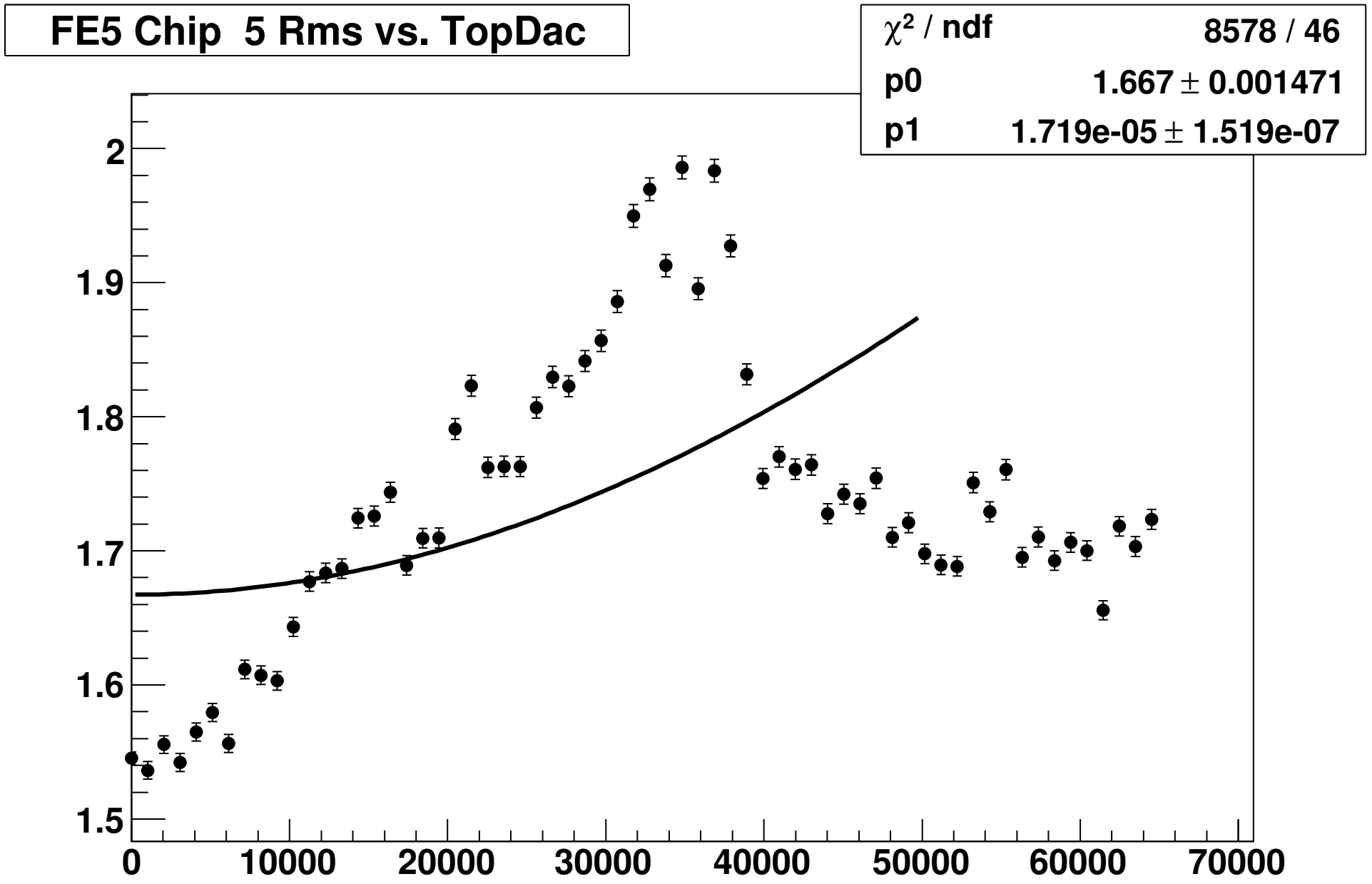

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 3.132e+04 / 46
p0 -4378 ± 0.002778
p1 -1.752e-05 ± 9.599e-08
-4376.8
-4377
-4377.2
-4377.4
-4377.6
-4377.8
-4378
-4378.2
-4378.4
-4378.6
0
10000
20000
30000
40000
50000
60000
70000

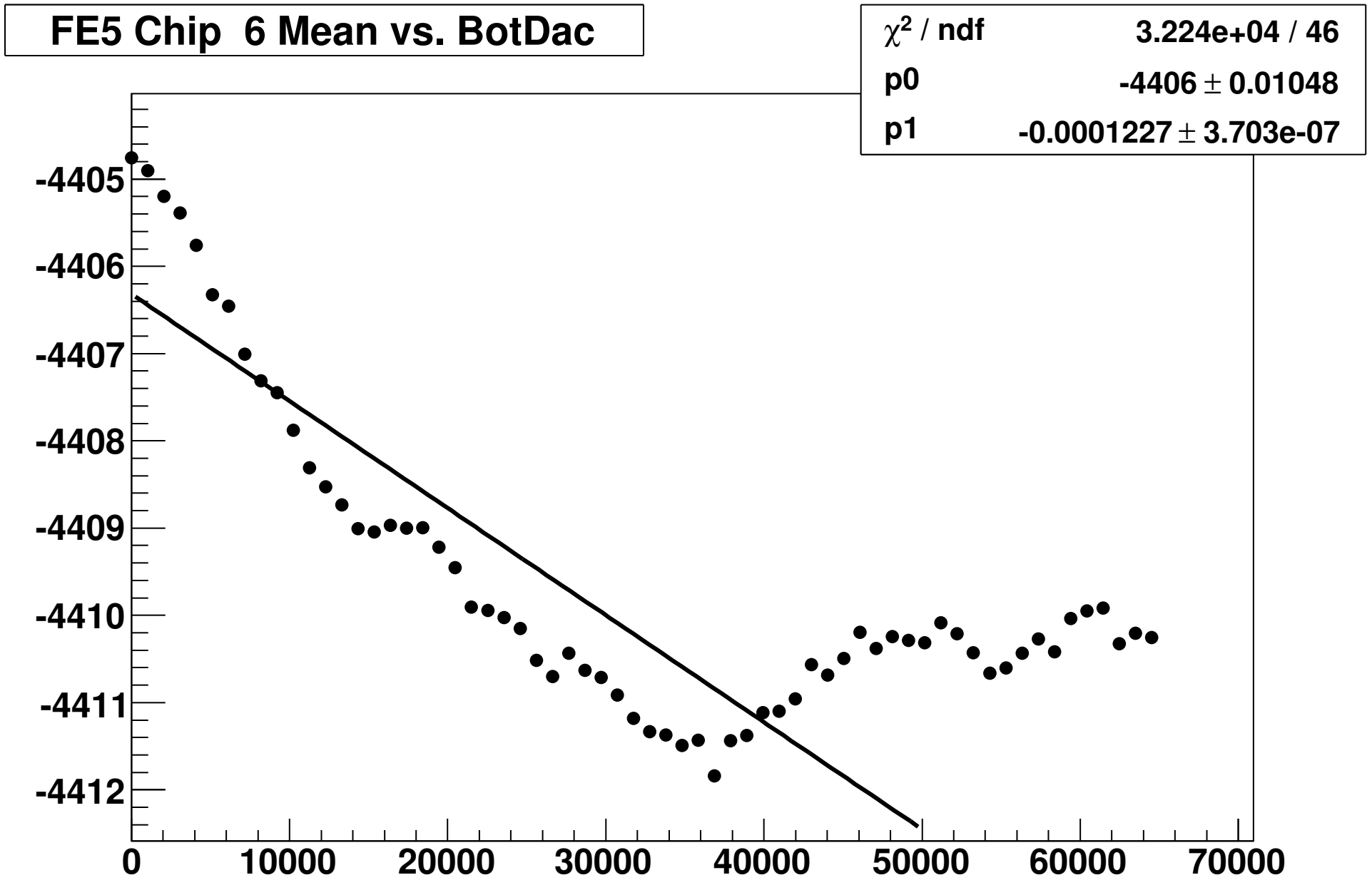

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 277.6 / 46
p0 1.541 ± 0.0009574
p1 2.41e-13 ± 5.264e-07
20
18
16
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

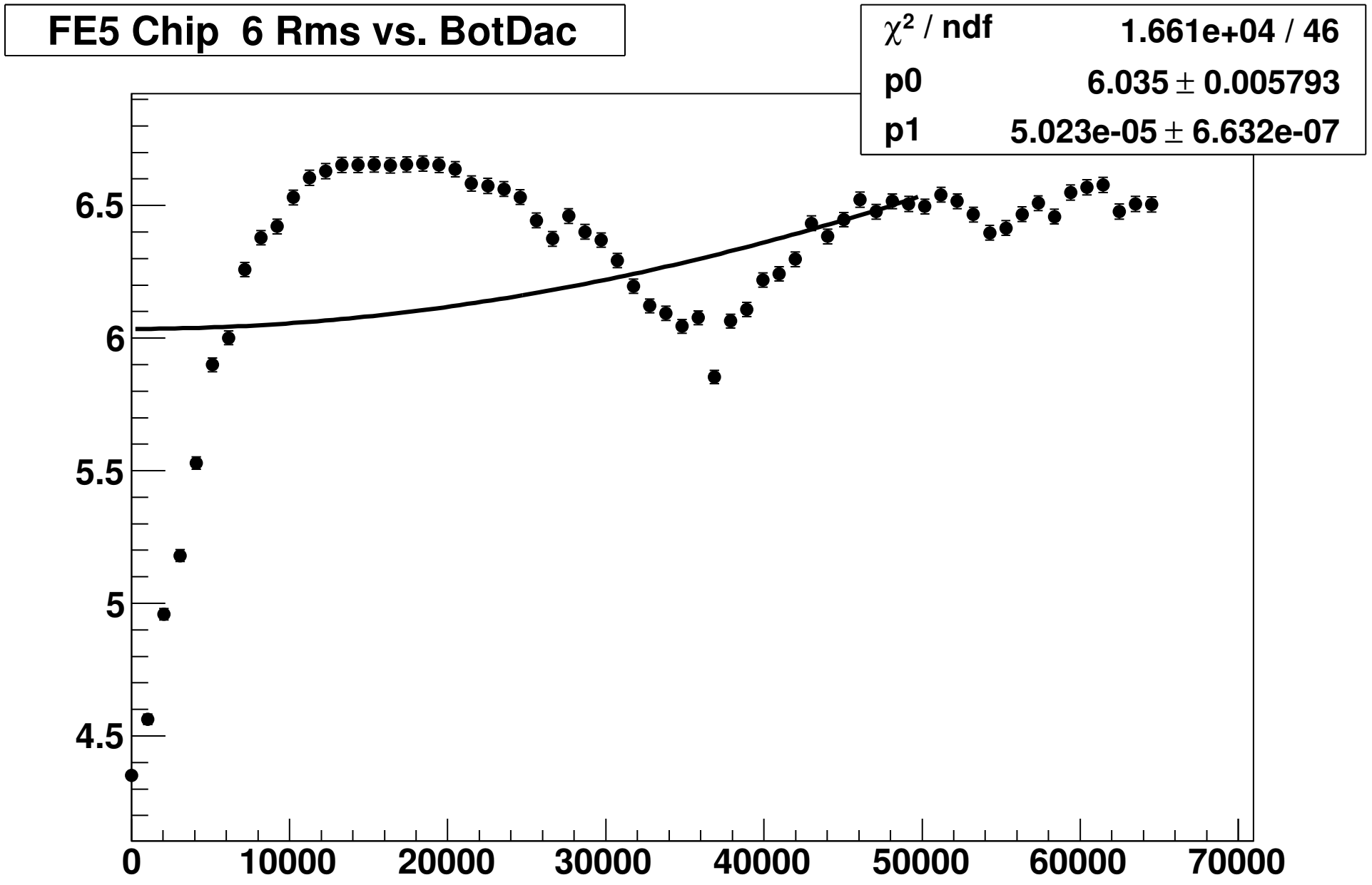

FE5 Chip 5 Mean vs. BotDac
χ² / ndf 9.155e+11 / 46
p0 -1652 ± 0.004398
p1 0.4349 ± 1.775e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

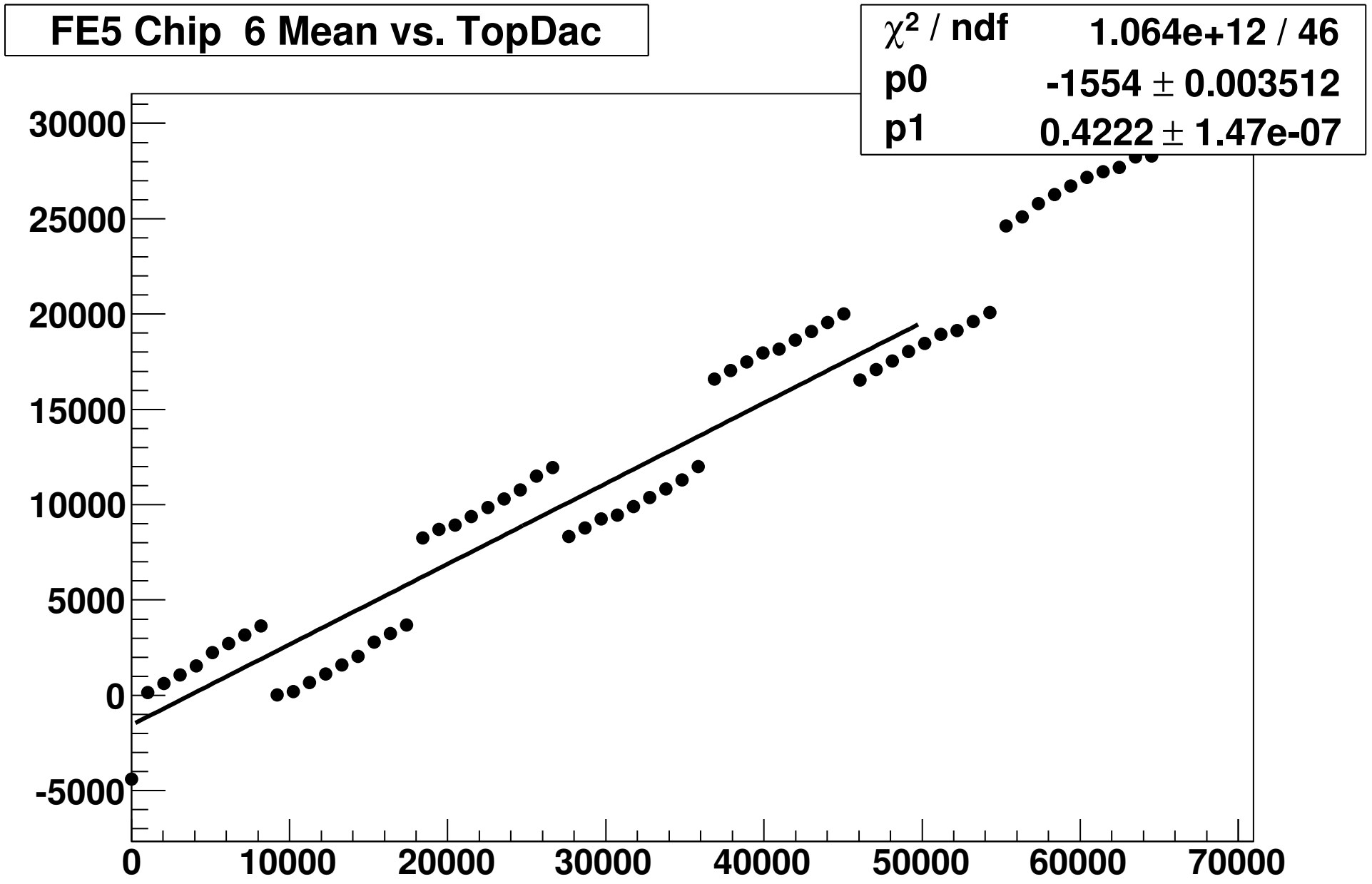

FE5 Chip 5 Rms vs. BotDac
χ² / ndf 6.218e+05 / 46
p0 1.708 ± 0.00233
p1 5.085e-05 ± 1.073e-07
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000
70000

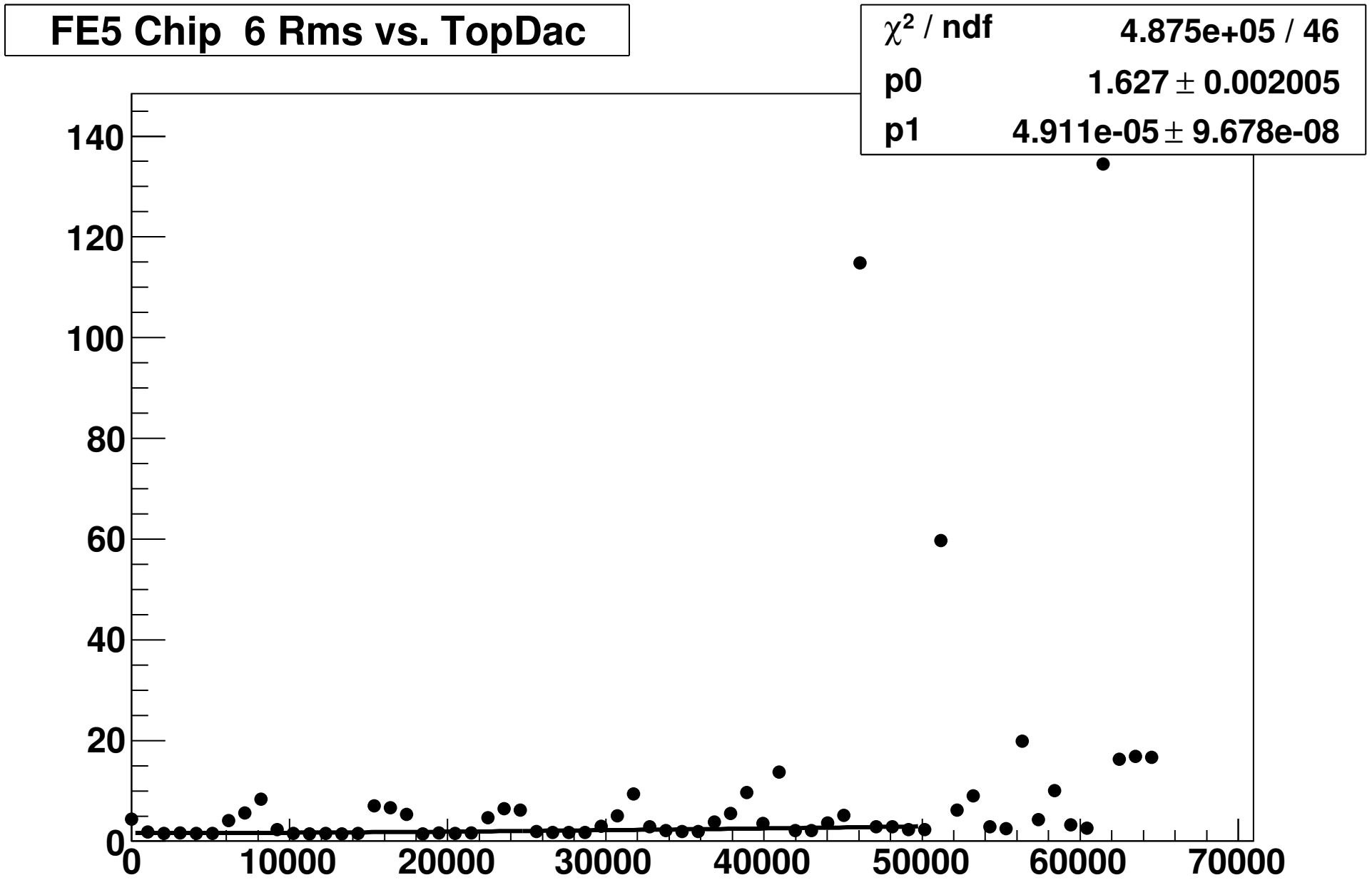

FE5 Chip 5 Mean vs. TopDac
χ² / ndf 2.476e+04 / 46
p0 -4381 ± 0.002908
p1 -1.748e-05 ± 1.042e-07
-4379.8
-4380
-4380.2
-4380.4
-4380.6
-4380.8
-4381
-4381.2
-4381.4
0
10000
20000
30000
40000
50000
60000
70000

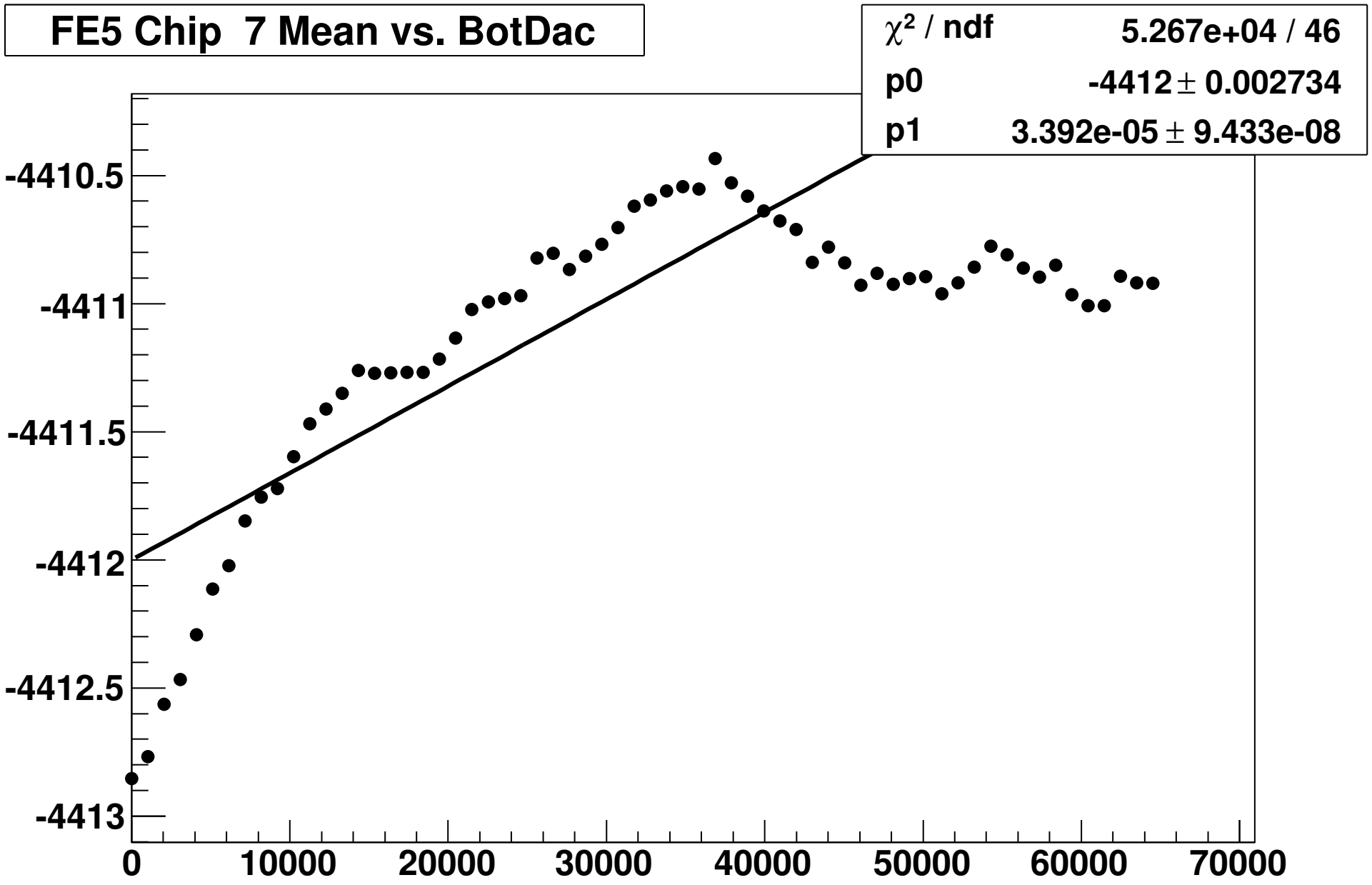

FE5 Chip 5 Rms vs. TopDac
χ² / ndf 8578 / 46
p0 1.667 ± 0.001471
p1 1.719e-05 ± 1.519e-07
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000
70000

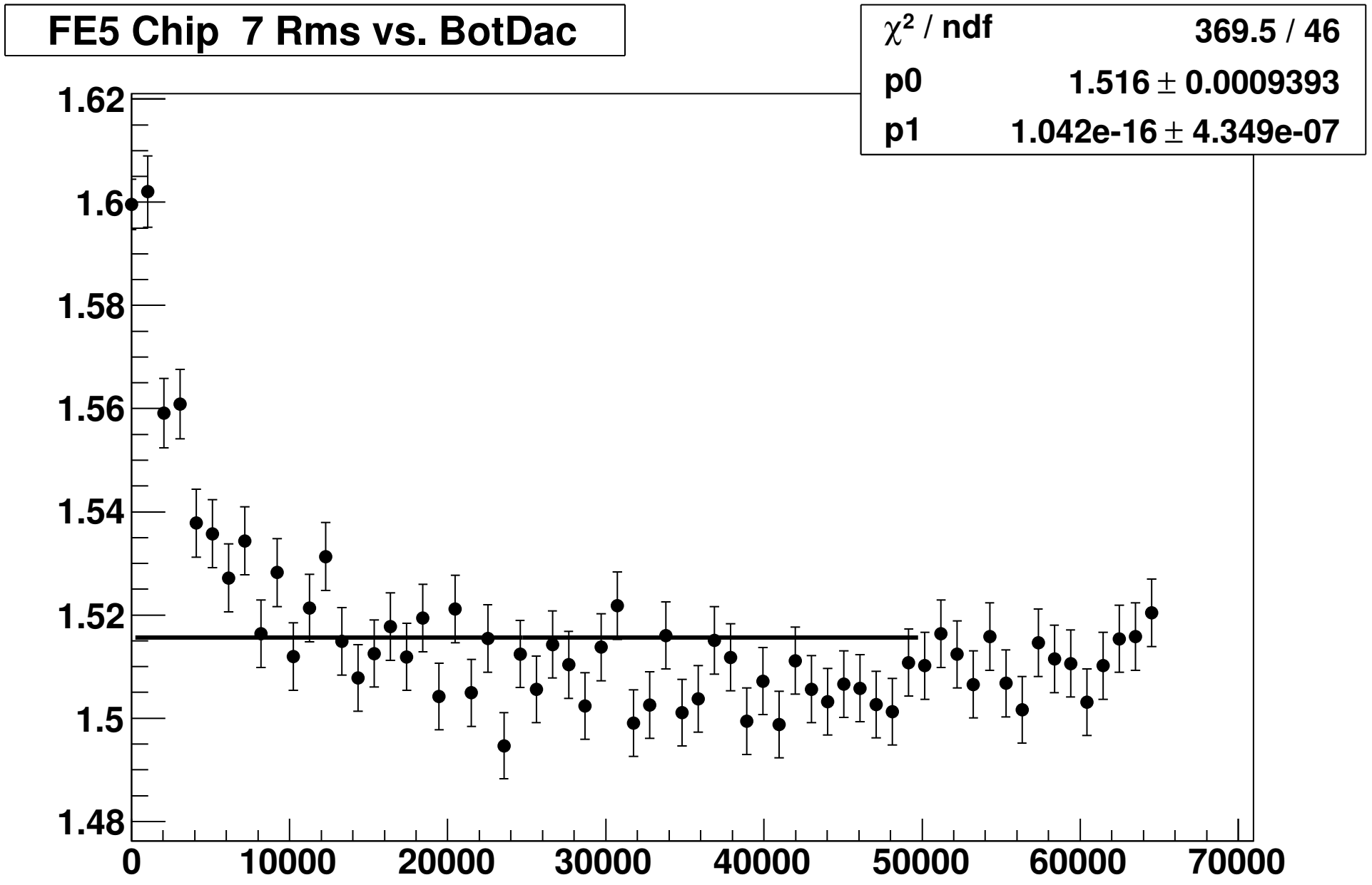

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 3.224e+04 / 46
p0 -4406 ± 0.01048
p1 -0.0001227 ± 3.703e-07
-4405
-4406
-4407
-4408
-4409
-4410
-4411
-4412
0
10000
20000
30000
40000
50000
60000
70000

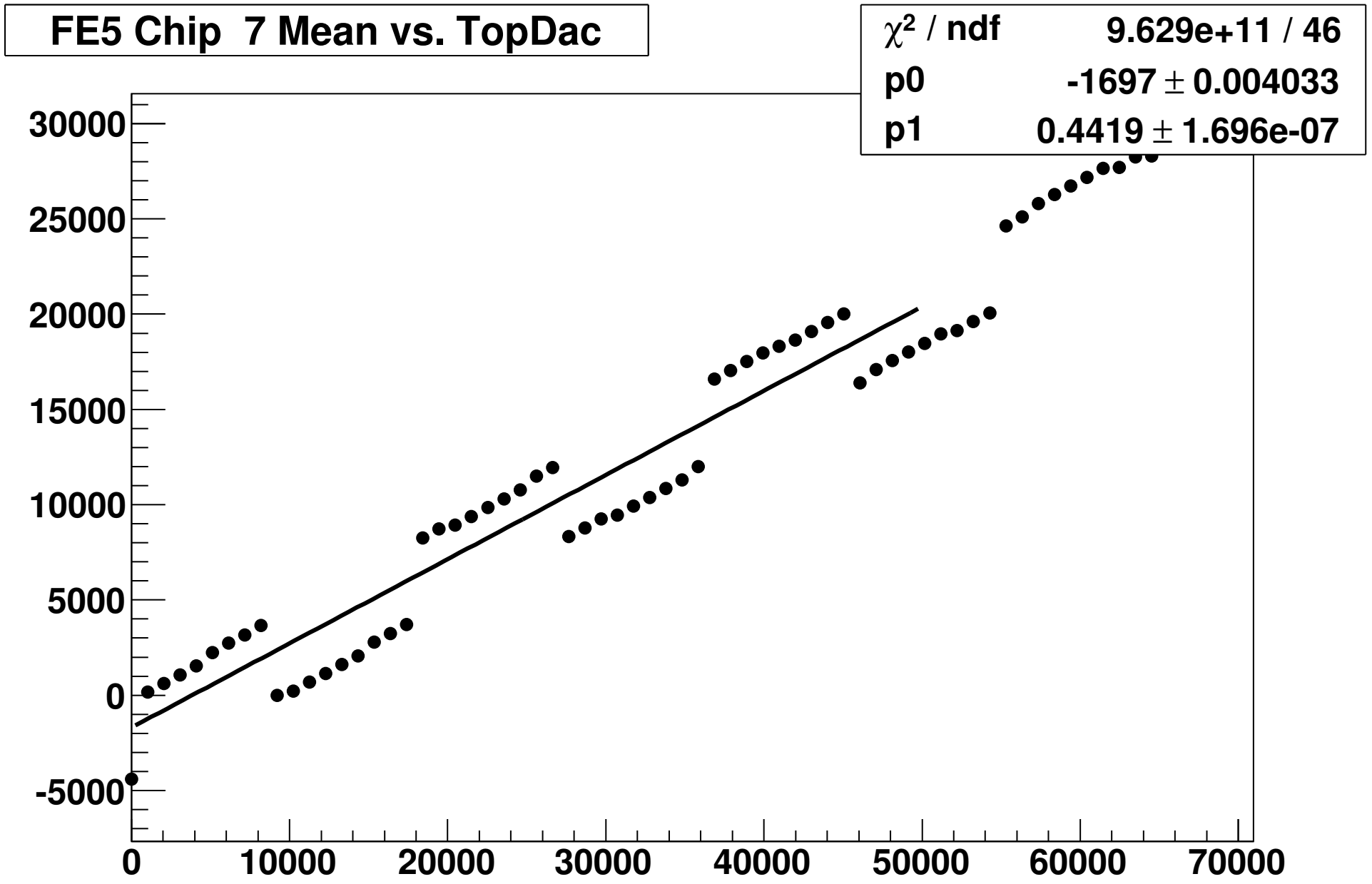

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 1.661e+04 / 46
p0 6.035 ± 0.005793
p1 5.023e-05 ± 6.632e-07
6.5
6
5.5
5
4.5
0
10000
20000
30000
40000
50000
60000
70000

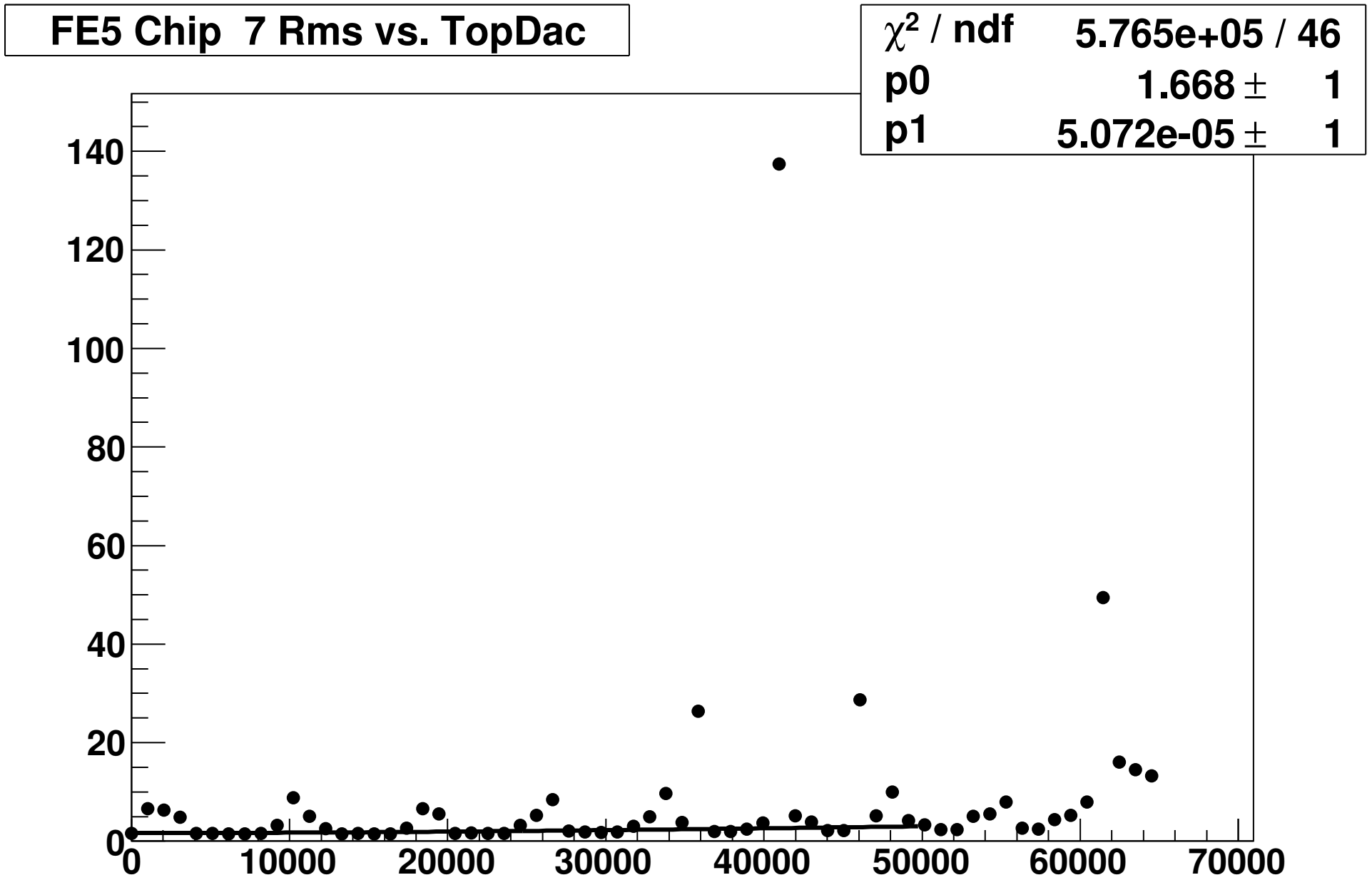

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.064e+12 / 46
p0 -1554 ± 0.003512
p1 0.4222 ± 1.47e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

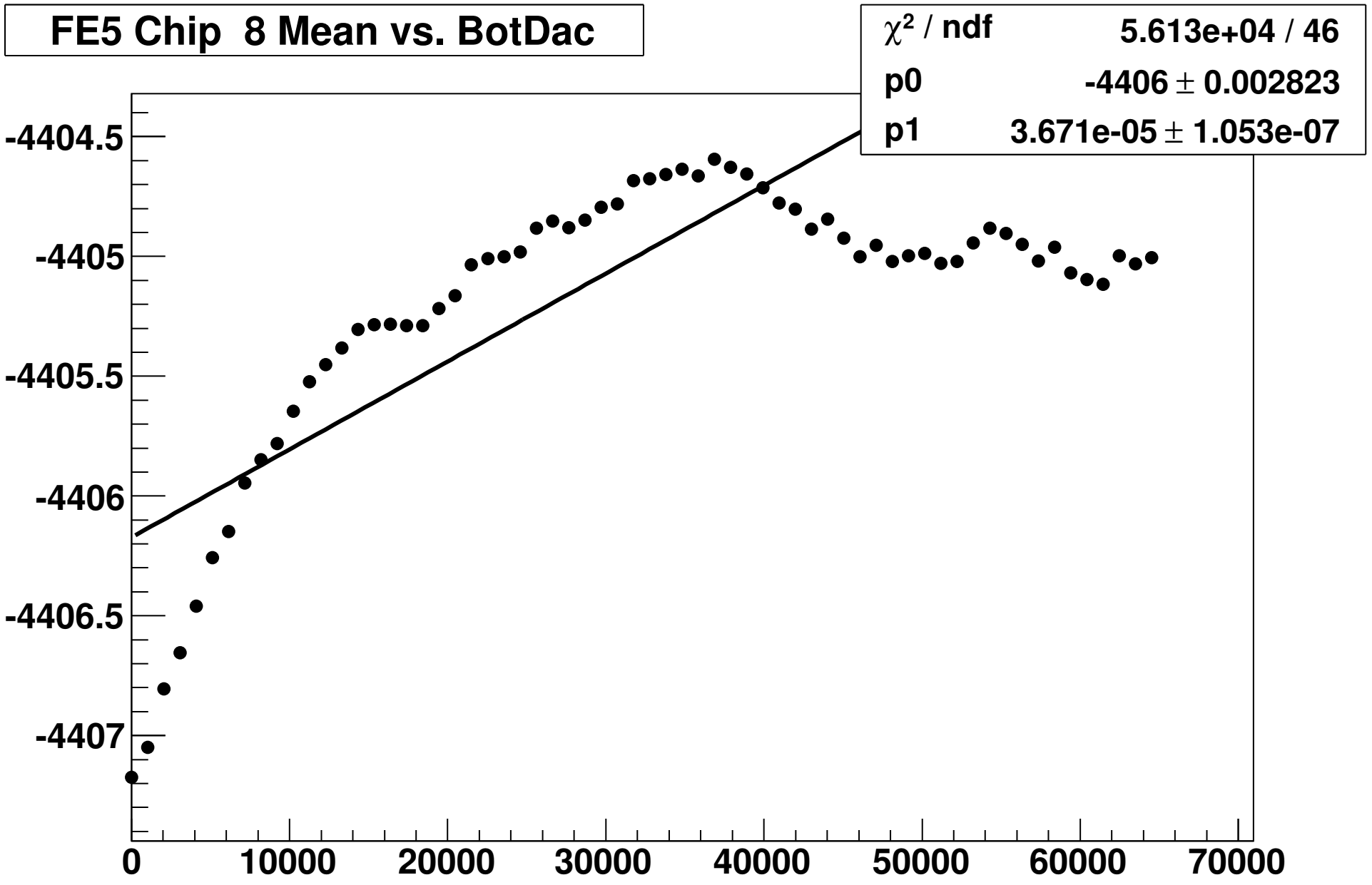

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 4.875e+05 / 46
p0 1.627 ± 0.002005
p1 4.911e-05 ± 9.678e-08
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

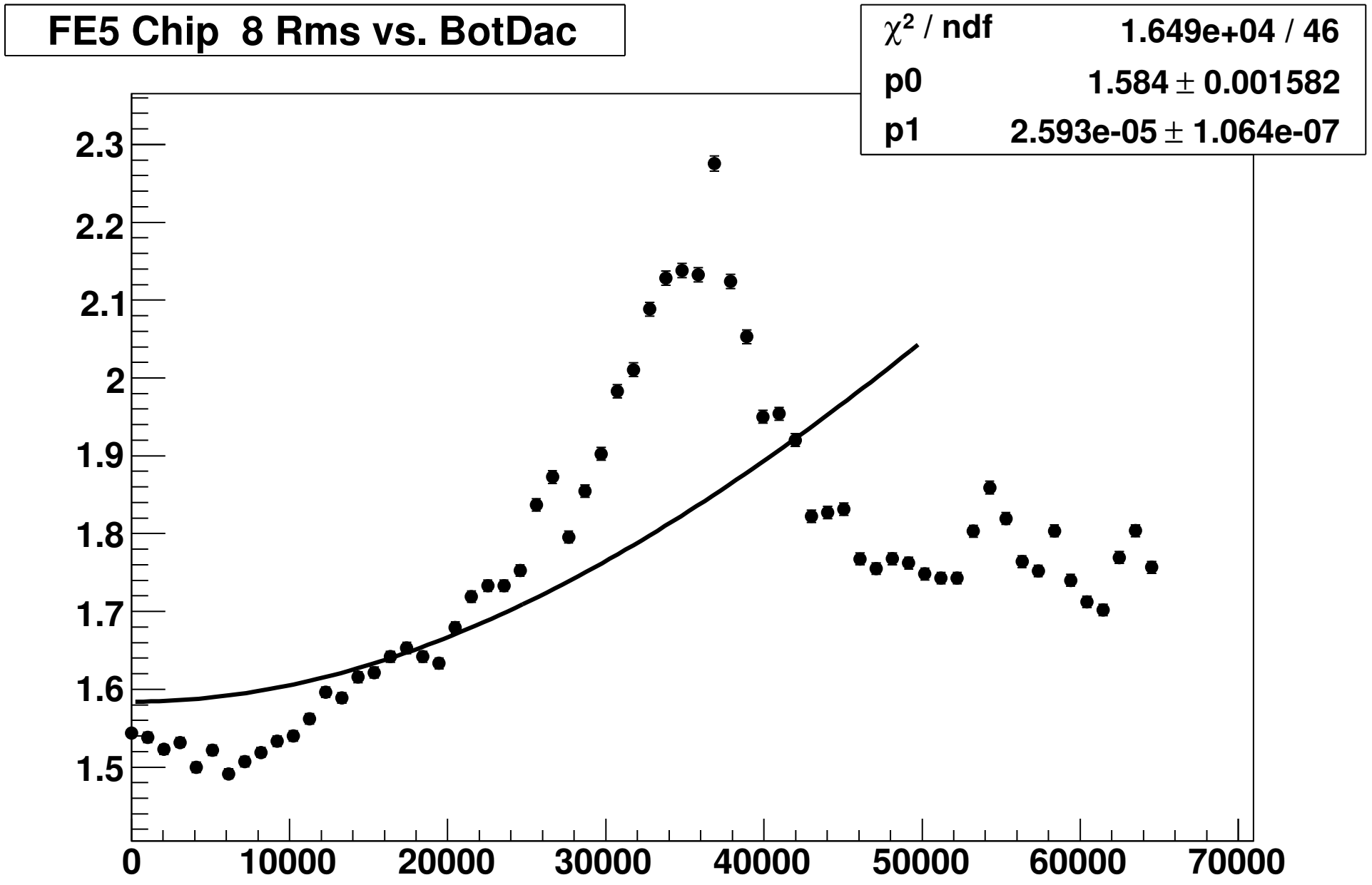

FE5 Chip 7 Mean vs. BotDac
χ² / ndf 5.267e+04 / 46
p0 -4412 ± 0.002734
p1 3.392e-05 ± 9.433e-08
-4410.5
-4411
-4411.5
-4412
-4412.5
-4413
0
10000
20000
30000
40000
50000
60000
70000

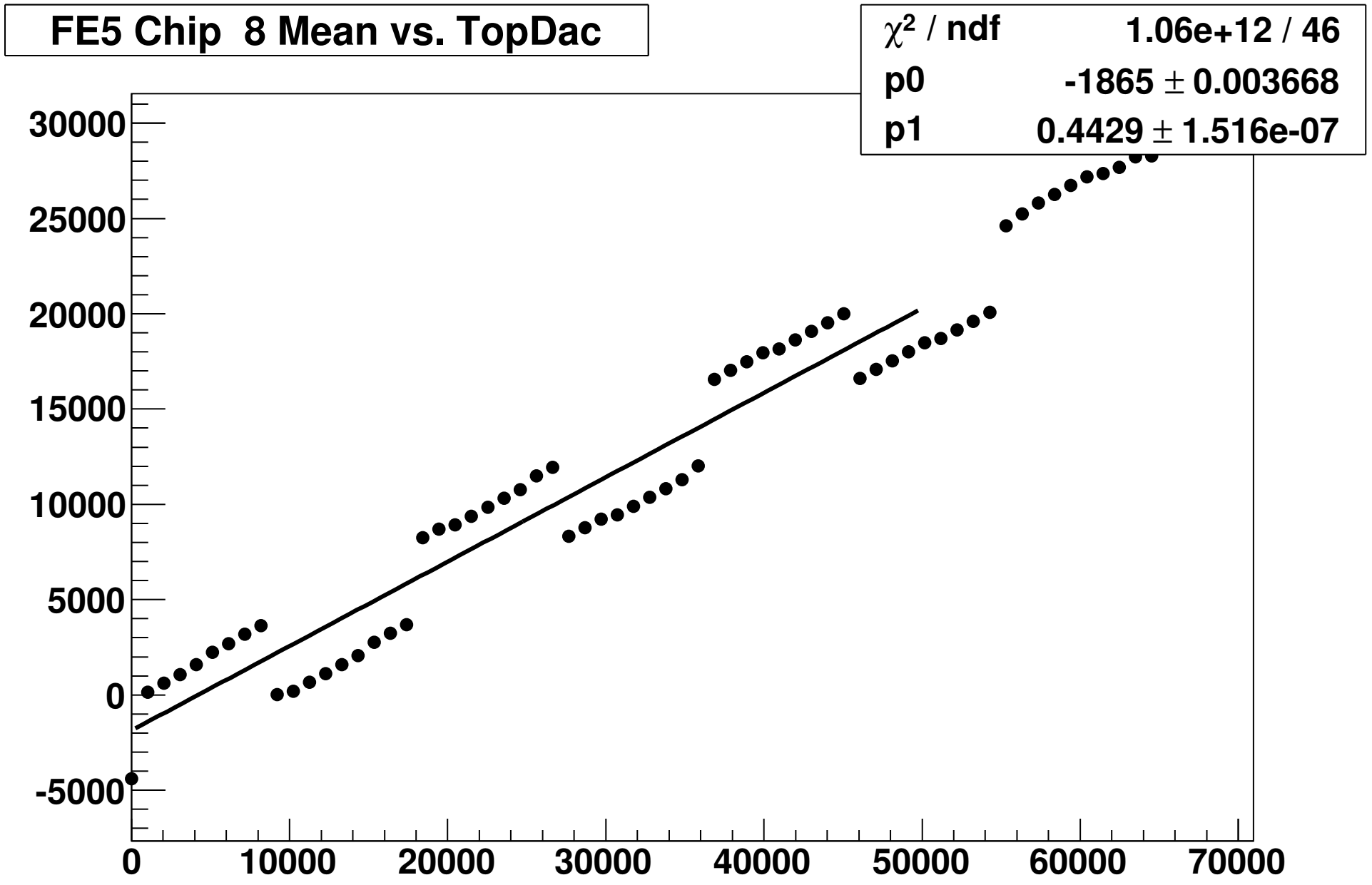

FE5 Chip 7 Rms vs. BotDac
χ² / ndf 369.5 / 46
p0 1.516 ± 0.0009393
p1 1.042e-16 ± 4.349e-07
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

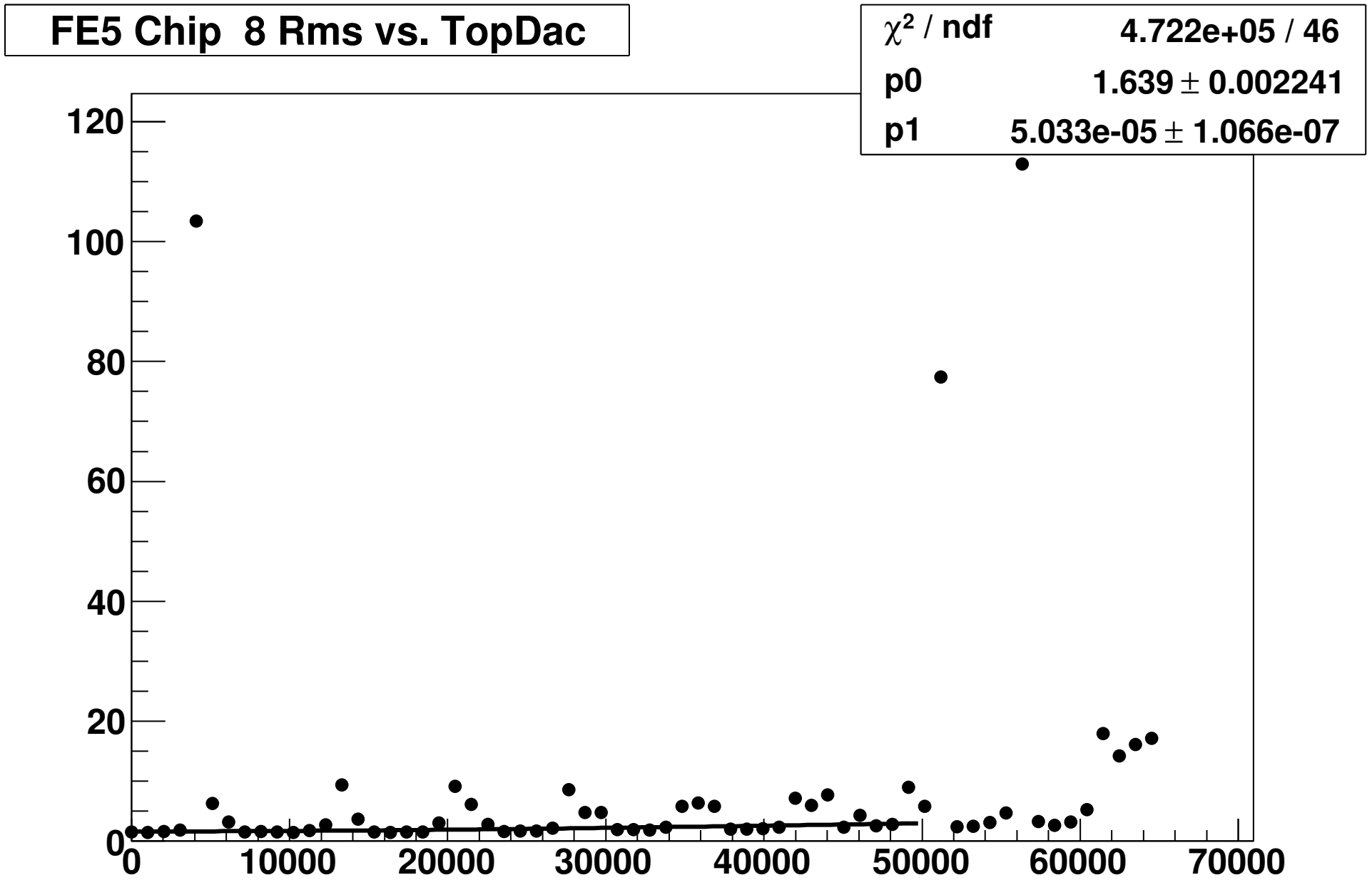

FE5 Chip 7 Mean vs. TopDac
χ² / ndf 9.629e+11 / 46
p0 -1697 ± 0.004033
p1 0.4419 ± 1.696e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

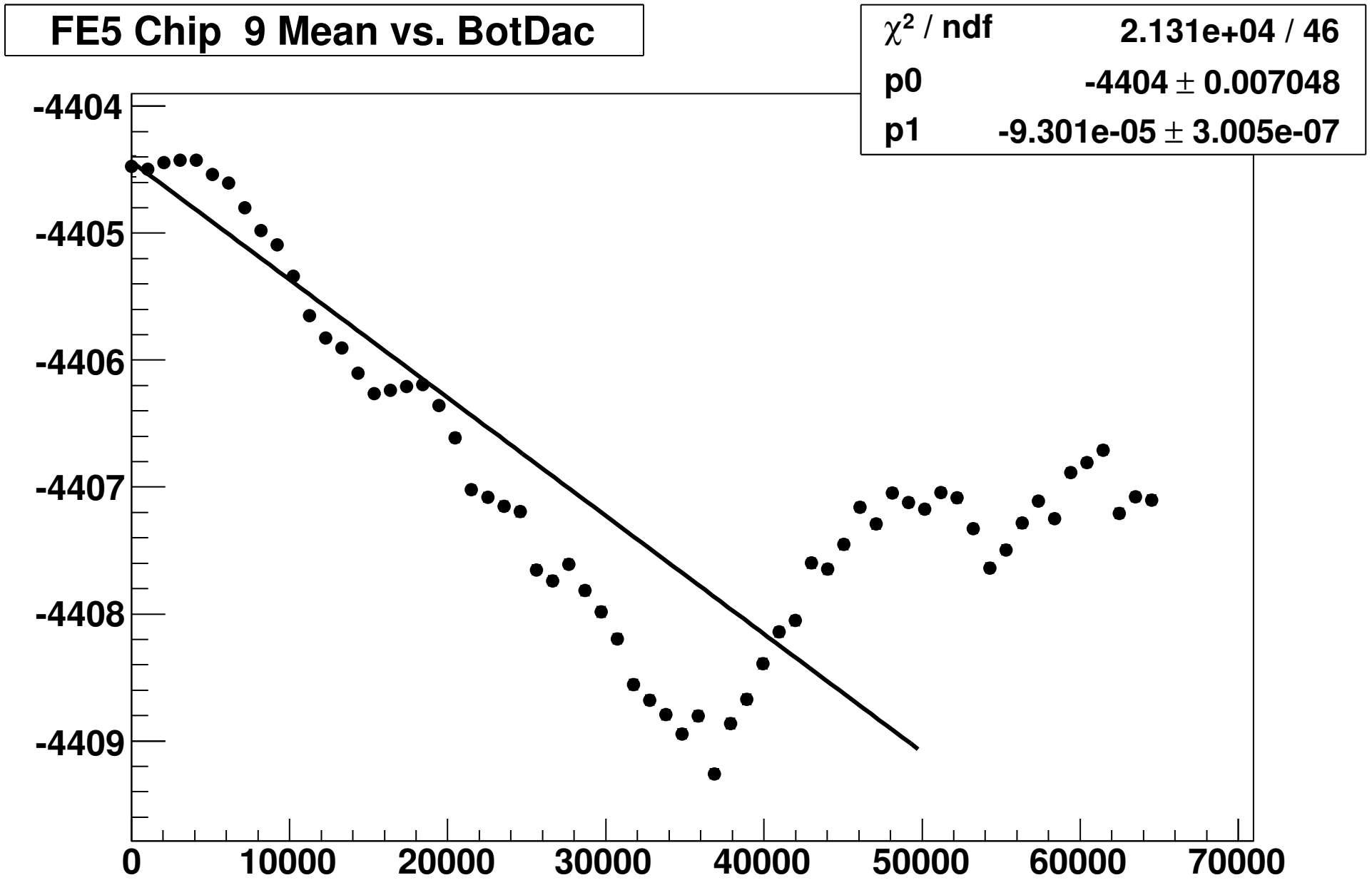

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 5.765e+05 / 46
p0 1.668 ± 1
p1 5.072e-05 ± 1
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

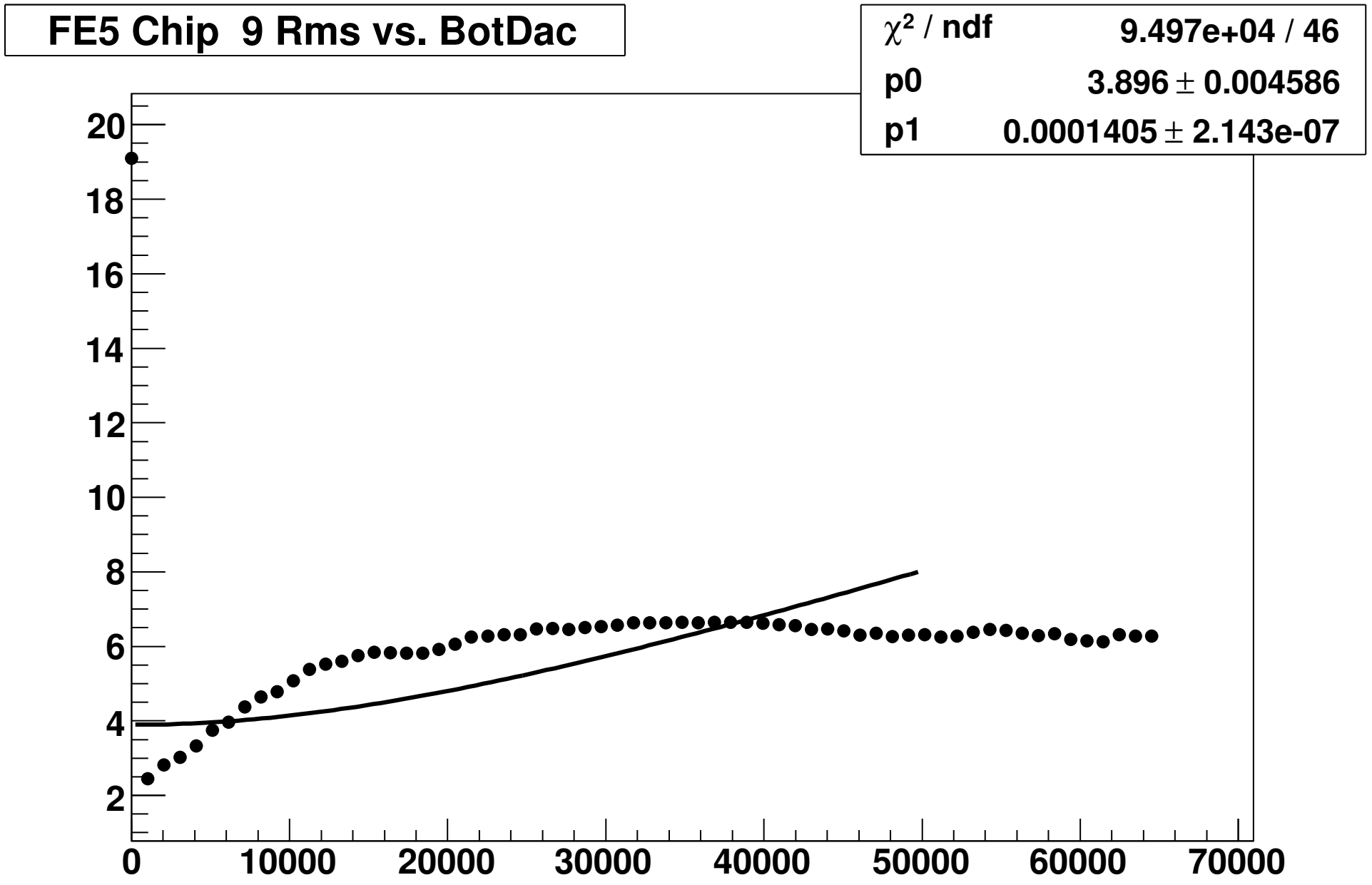

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 5.613e+04 / 46
p0 -4406 ± 0.002823
p1 3.671e-05 ± 1.053e-07
-4404.5
-4405
-4405.5
-4406
-4406.5
-4407
0
10000
20000
30000
40000
50000
60000
70000

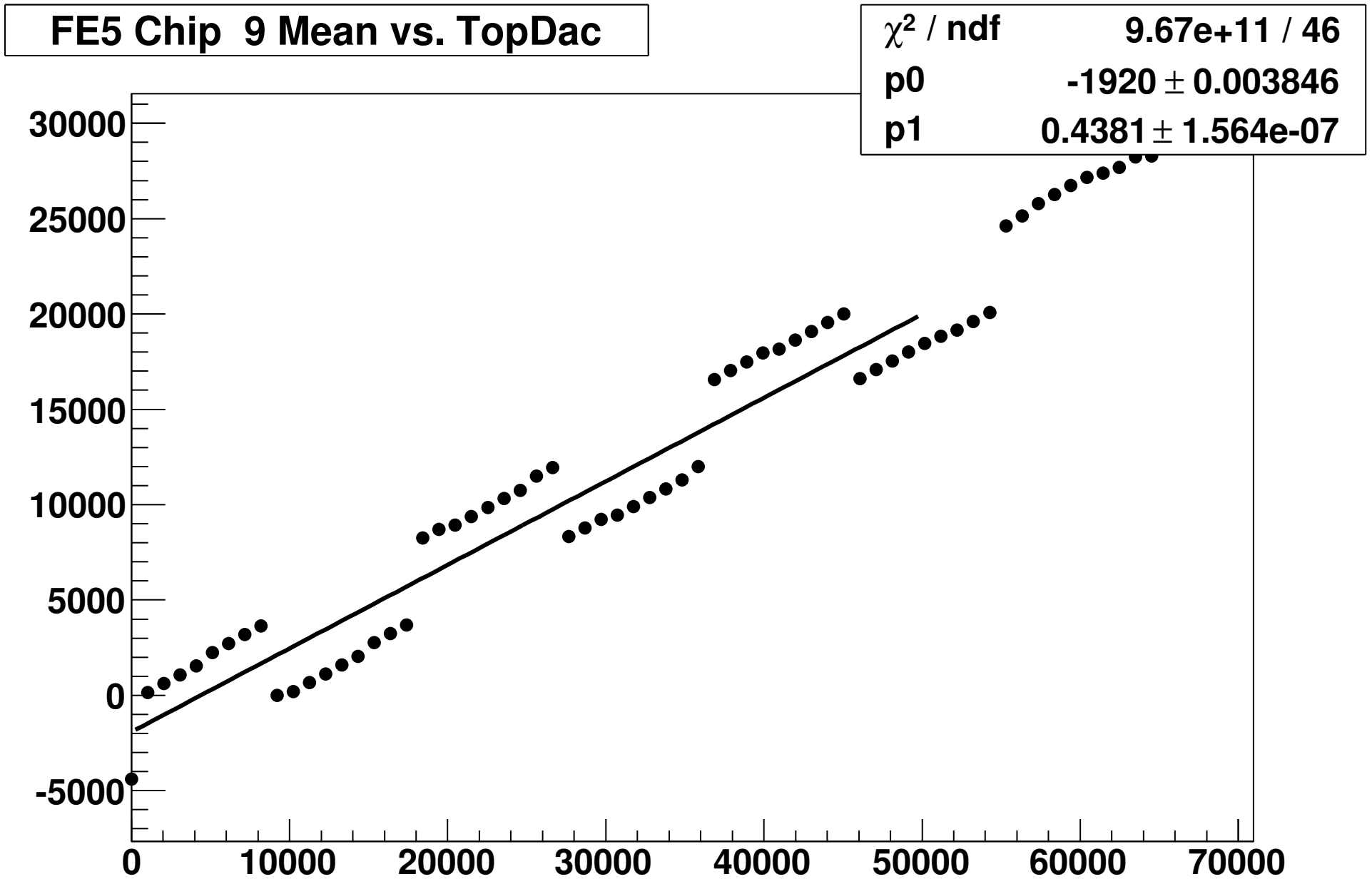

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 1.649e+04 / 46
p0 1.584 ± 0.001582
p1 2.593e-05 ± 1.064e-07
2.3
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000
70000

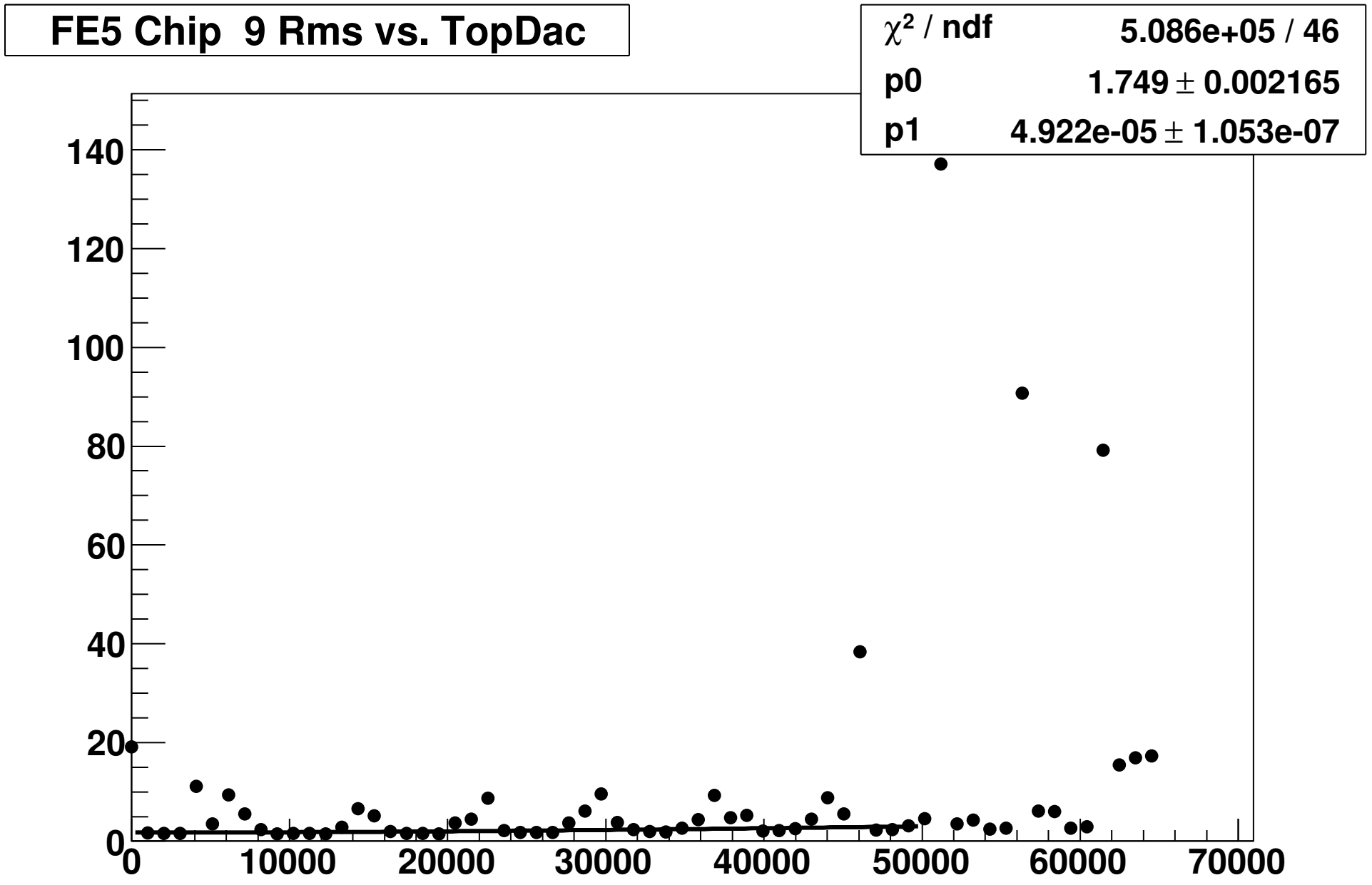

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.06e+12 / 46
p0 -1865 ± 0.003668
p1 0.4429 ± 1.516e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

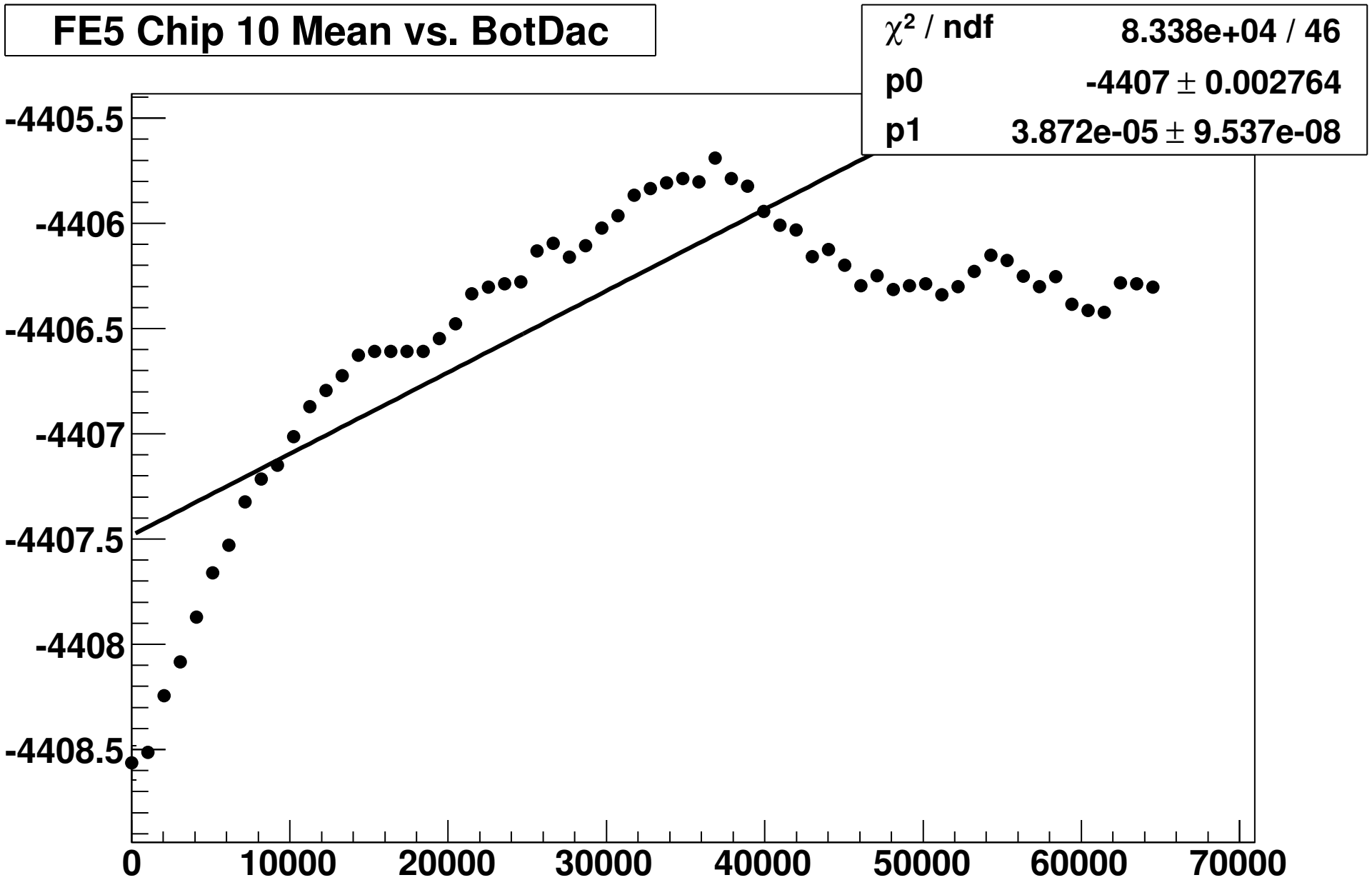

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 4.722e+05 / 46
p0 1.639 ± 0.002241
p1 5.033e-05 ± 1.066e-07
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

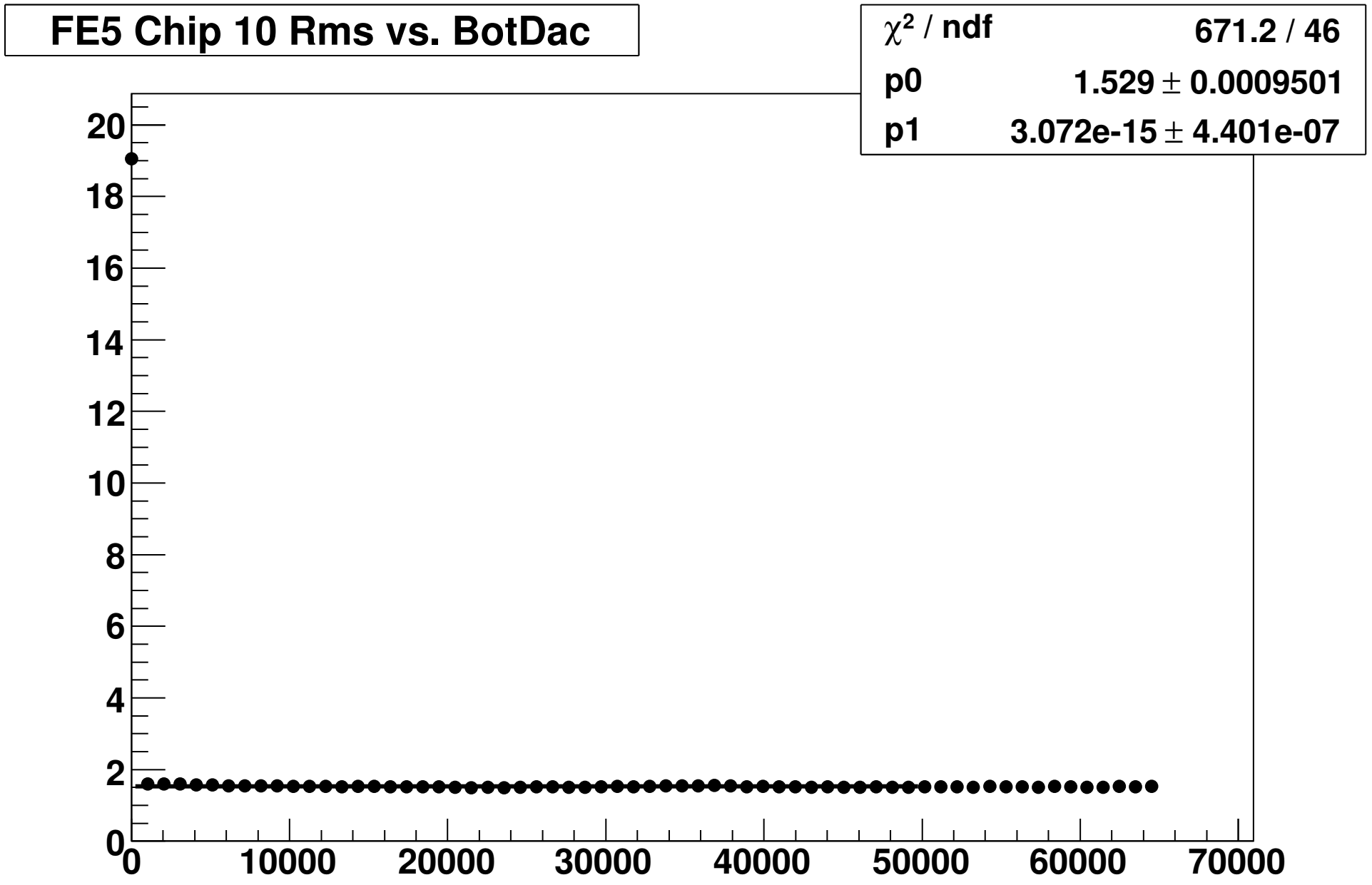

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 2.131e+04 / 46
p0 -4404 ± 0.007048
p1 -9.301e-05 ± 3.005e-07
-4404
-4405
-4406
-4407
-4408
-4409
0
10000
20000
30000
40000
50000
60000
70000

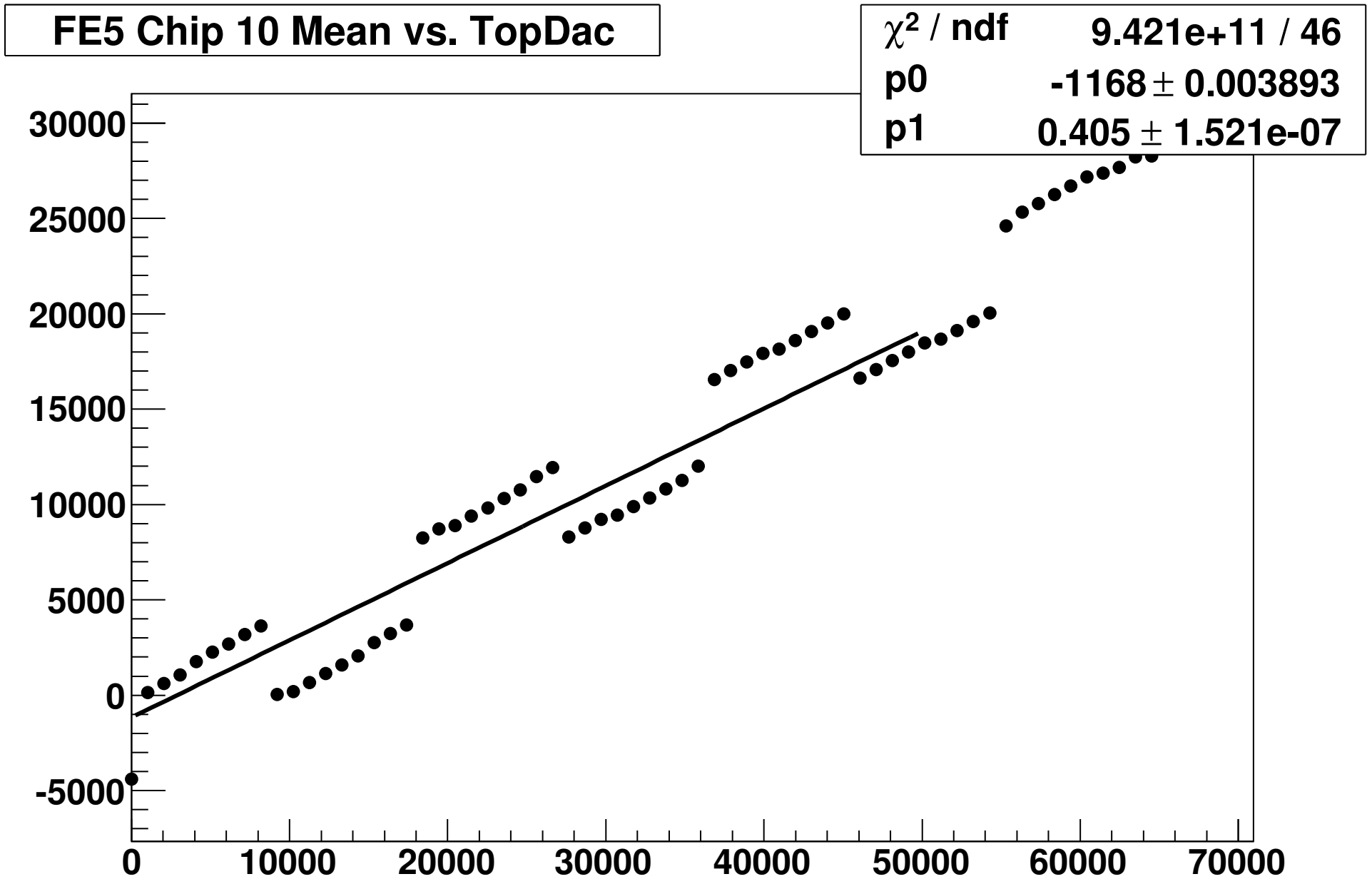

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 9.497e+04 / 46
p0 3.896 ± 0.004586
p1 0.0001405 ± 2.143e-07
20
18
16
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

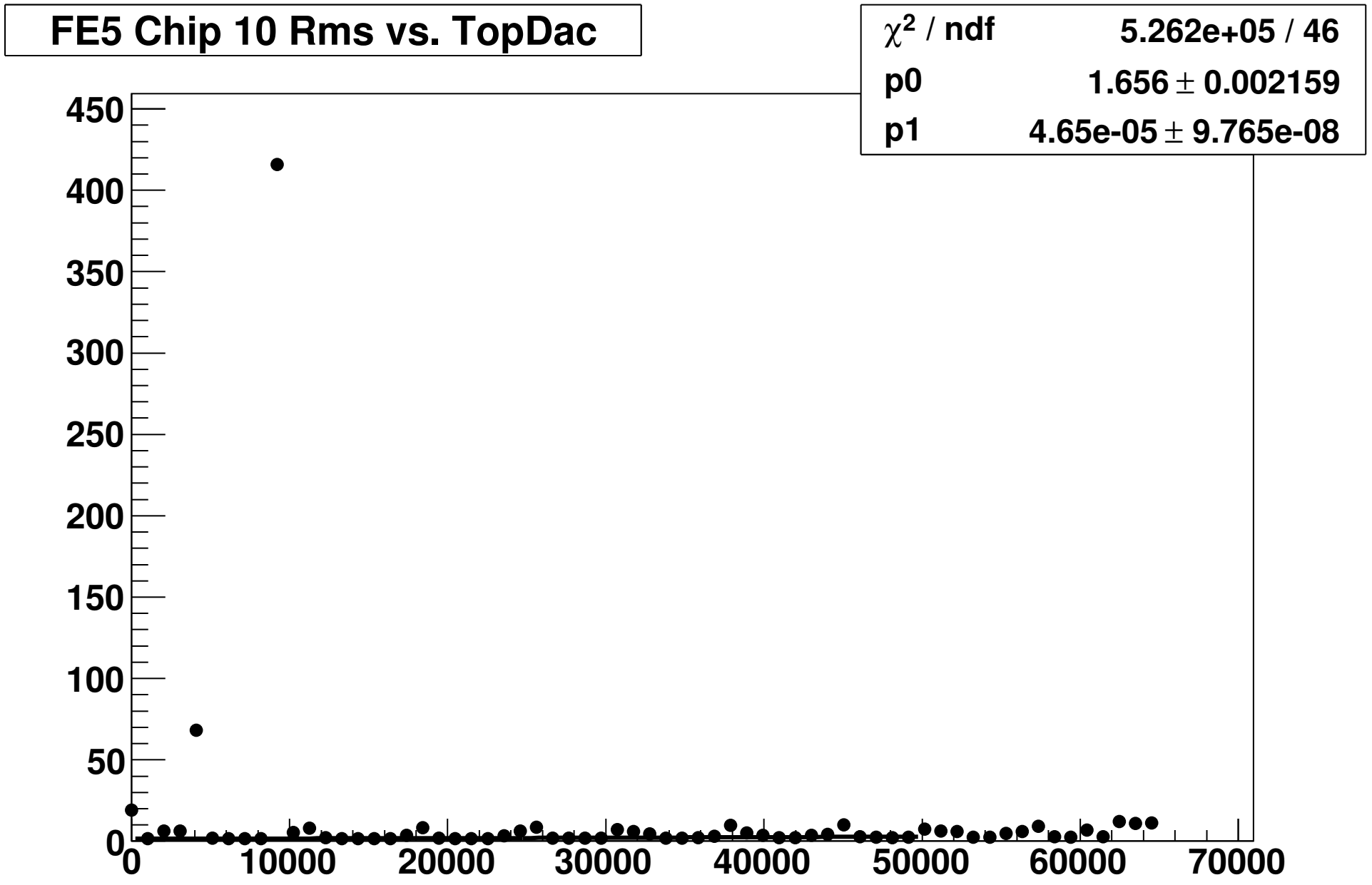

FE5 Chip 9 Mean vs. TopDac
χ² / ndf 9.67e+11 / 46
p0 -1920 ± 0.003846
p1 0.4381 ± 1.564e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

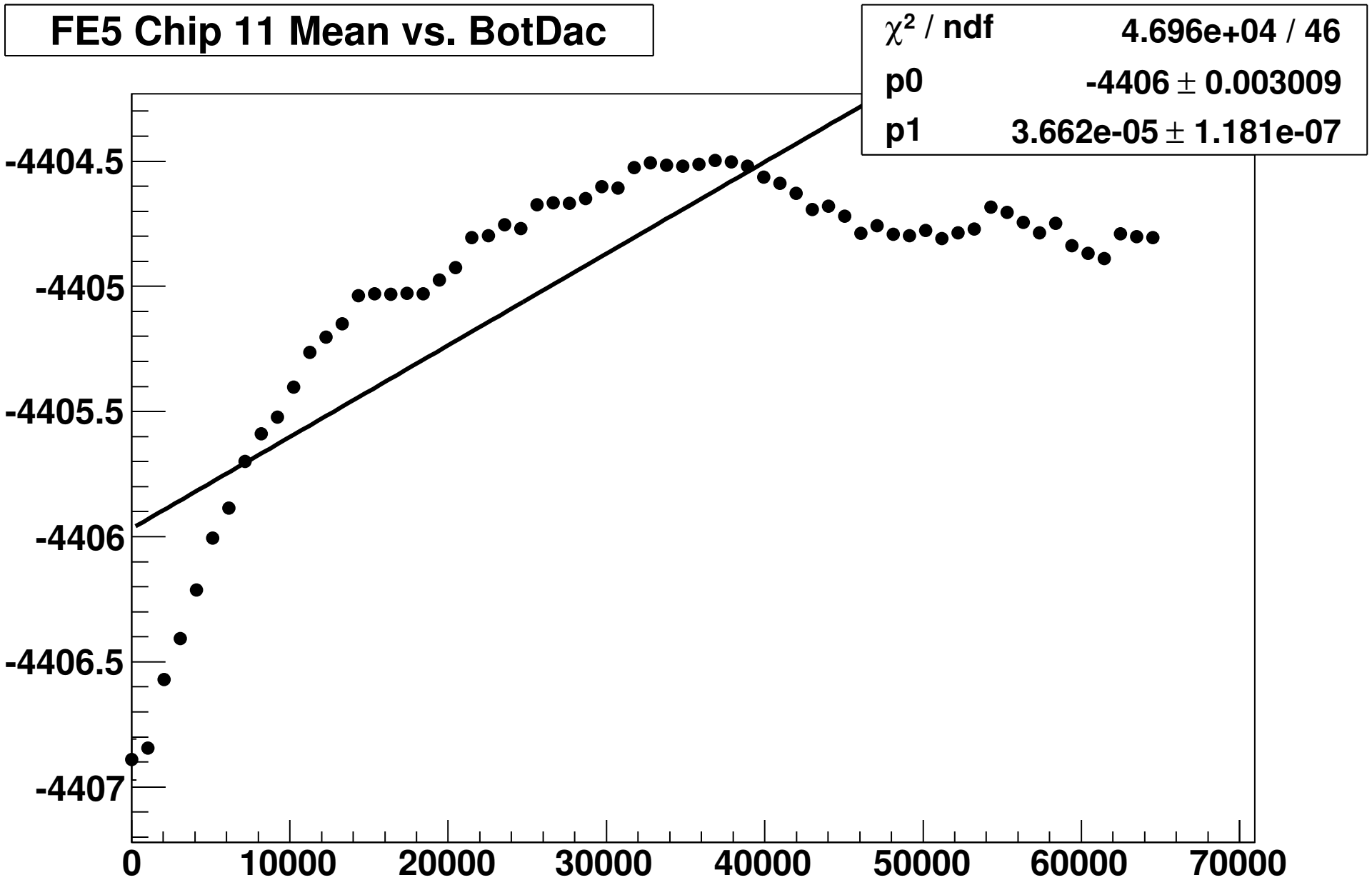

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 5.086e+05 / 46
p0 1.749 ± 0.002165
p1 4.922e-05 ± 1.053e-07
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

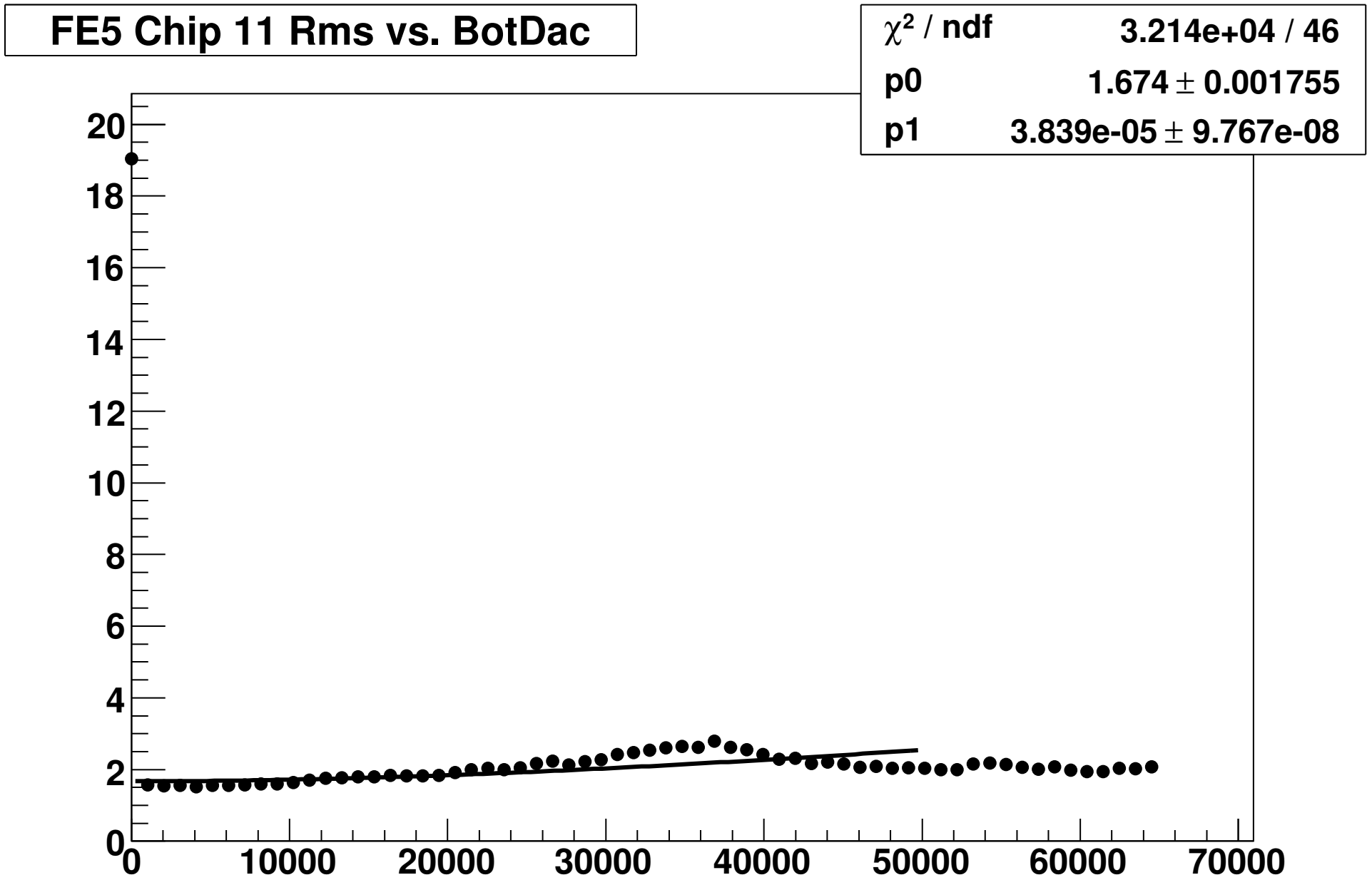

FE5 Chip 10 Mean vs. BotDac
χ² / ndf 8.338e+04 / 46
p0 -4407 ± 0.002764
p1 3.872e-05 ± 9.537e-08
-4405.5
-4406
-4406.5
-4407
-4407.5
-4408
-4408.5
0
10000
20000
30000
40000
50000
60000
70000

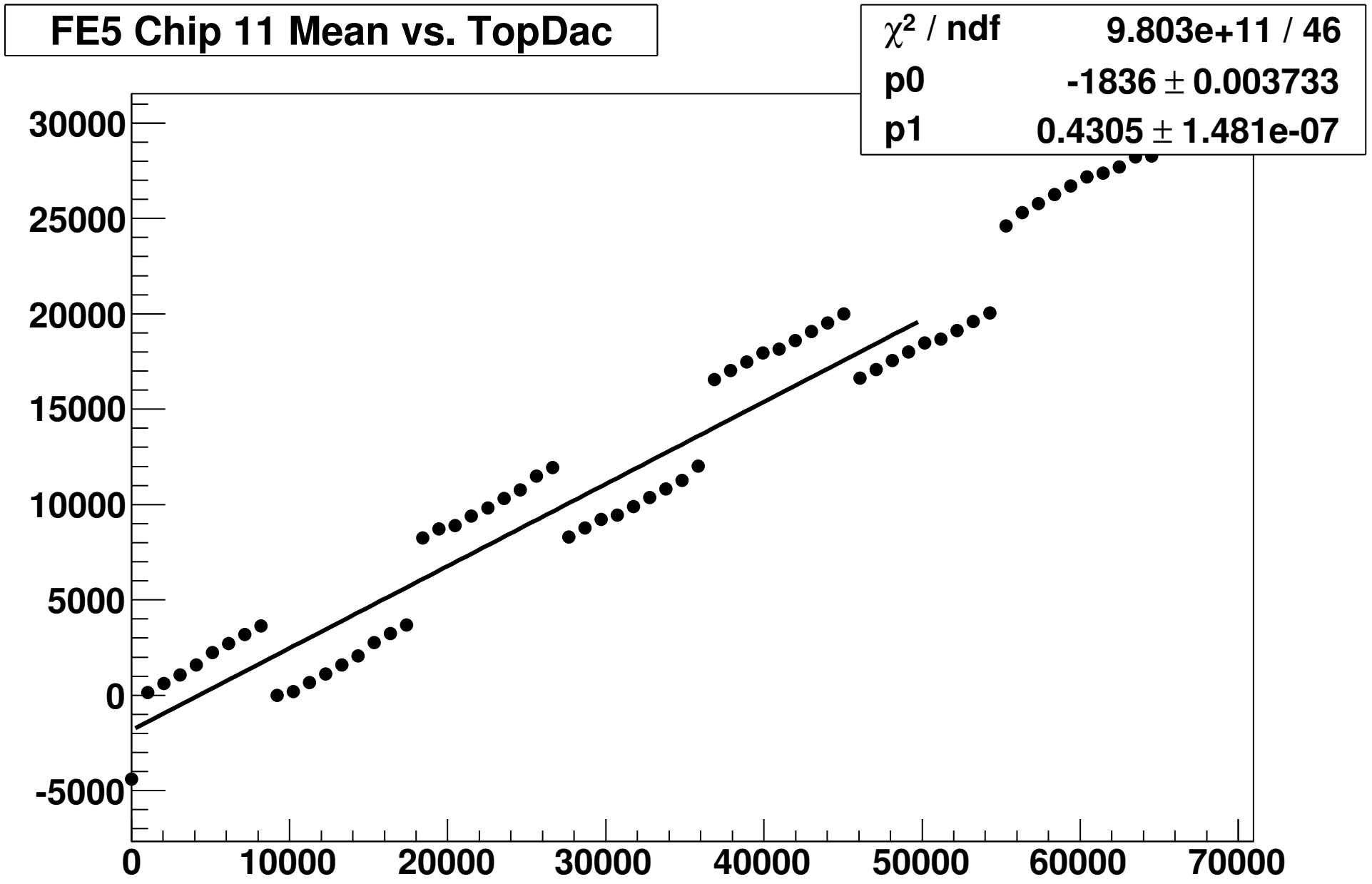

FE5 Chip 10 Rms vs. BotDac
χ² / ndf 671.2 / 46
p0 1.529 ± 0.0009501
p1 3.072e-15 ± 4.401e-07
0
2
4
6
8
10
12
14
16
18
20
0
10000
20000
30000
40000
50000
60000
70000

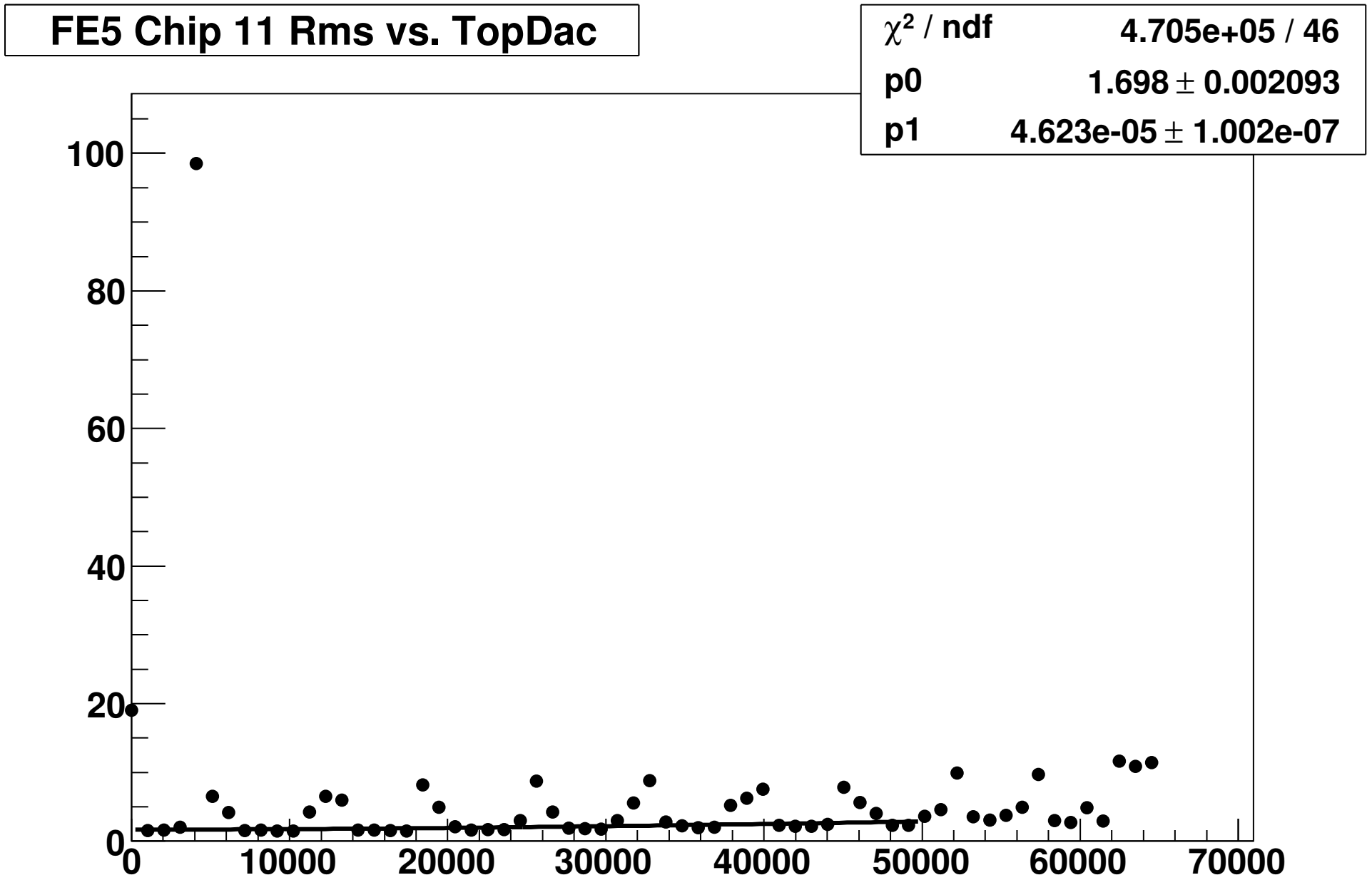

FE5 Chip 10 Mean vs. TopDac
χ² / ndf 9.421e+11 / 46
p0 -1168 ± 0.003893
p1 0.405 ± 1.521e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

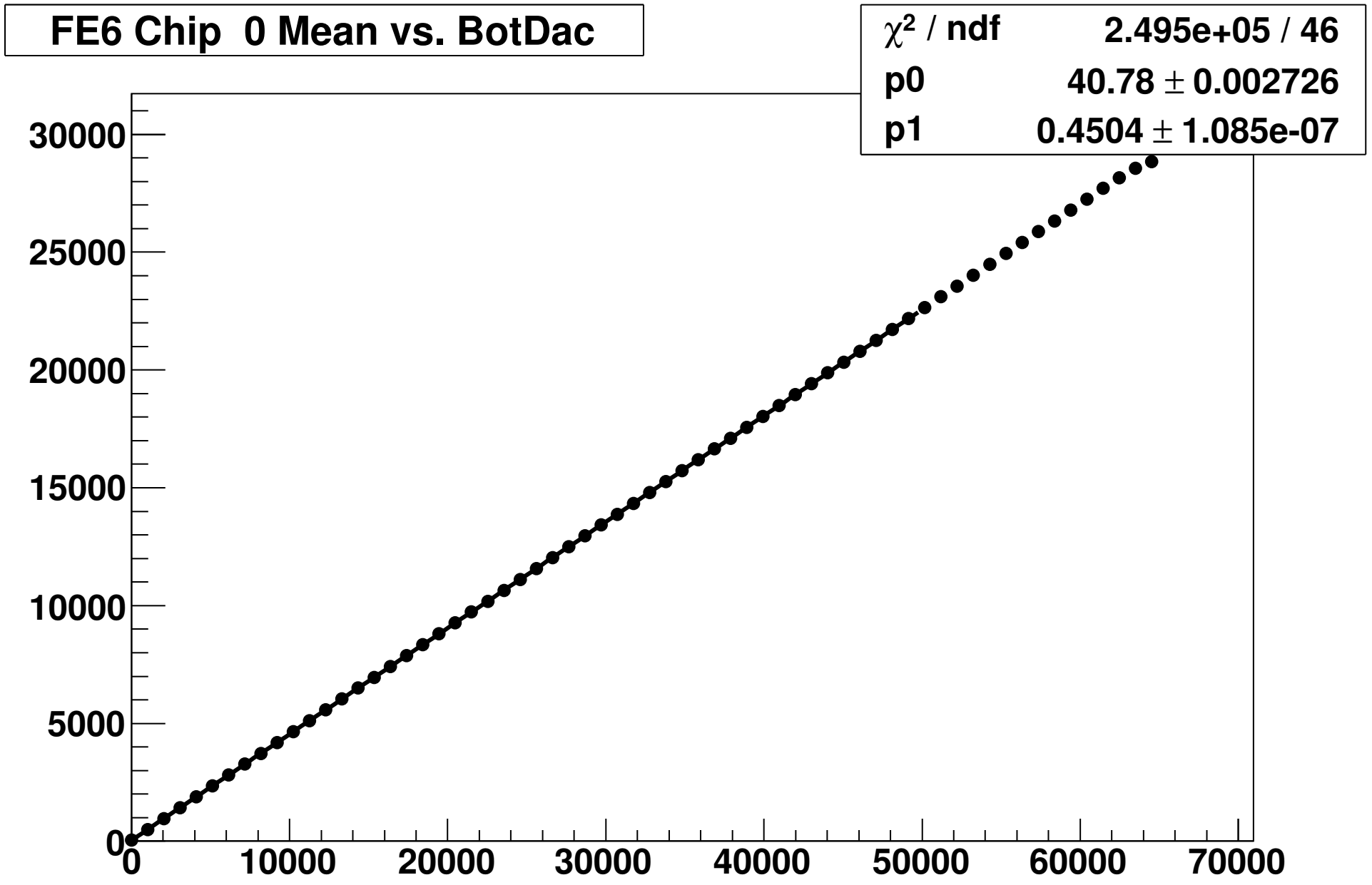

FE5 Chip 10 Rms vs. TopDac
χ² / ndf 5.262e+05 / 46
p0 1.656 ± 0.002159
p1 4.65e-05 ± 9.765e-08
450
400
350
300
250
200
150
100
50
0
0
10000
20000
30000
40000
50000
60000
70000

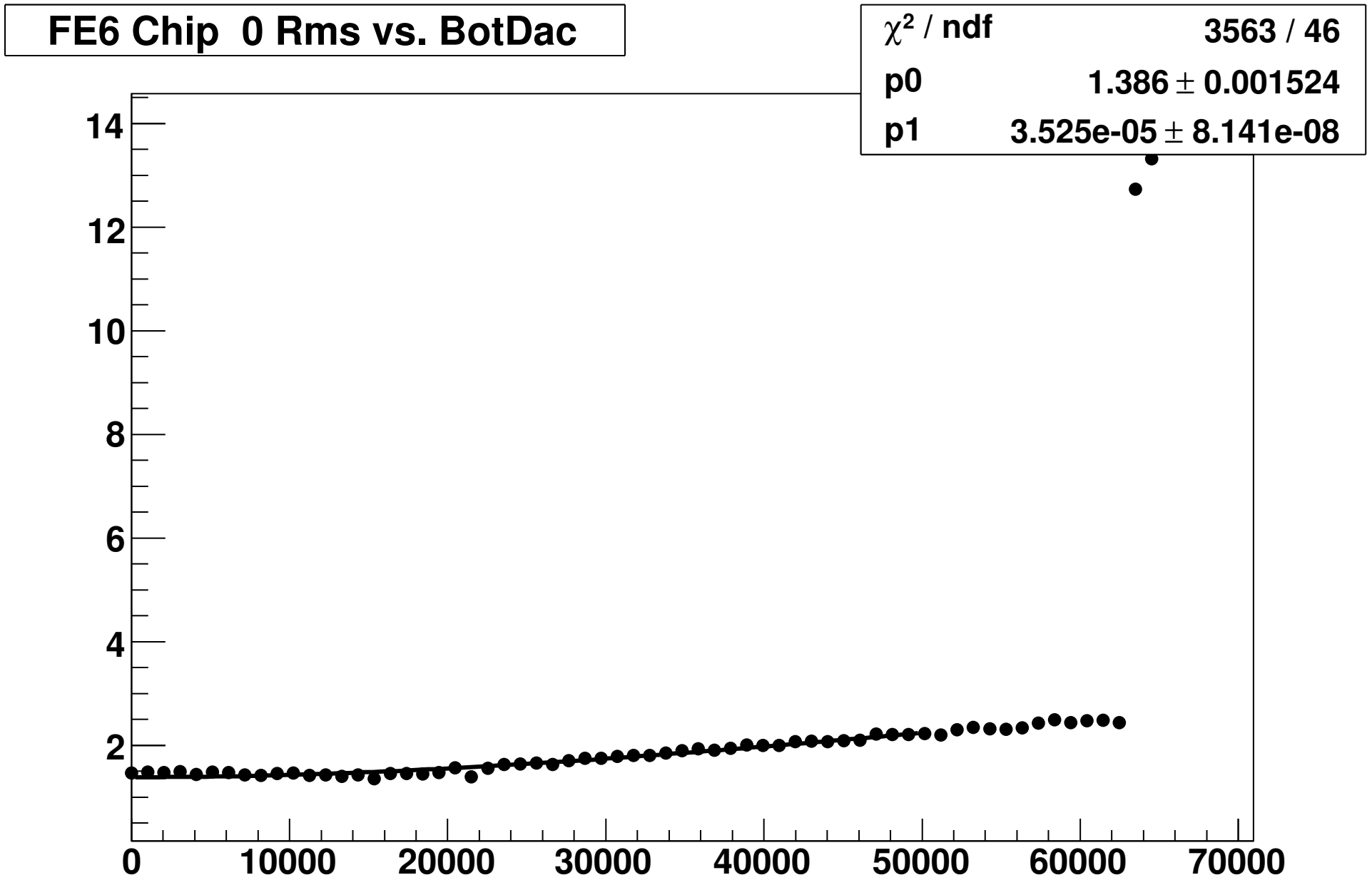

FE5 Chip 11 Mean vs. BotDac
χ² / ndf 4.696e+04 / 46
p0 -4406 ± 0.003009
p1 3.662e-05 ± 1.181e-07
-4404.5
-4405
-4405.5
-4406
-4406.5
-4407
0
10000
20000
30000
40000
50000
60000
70000

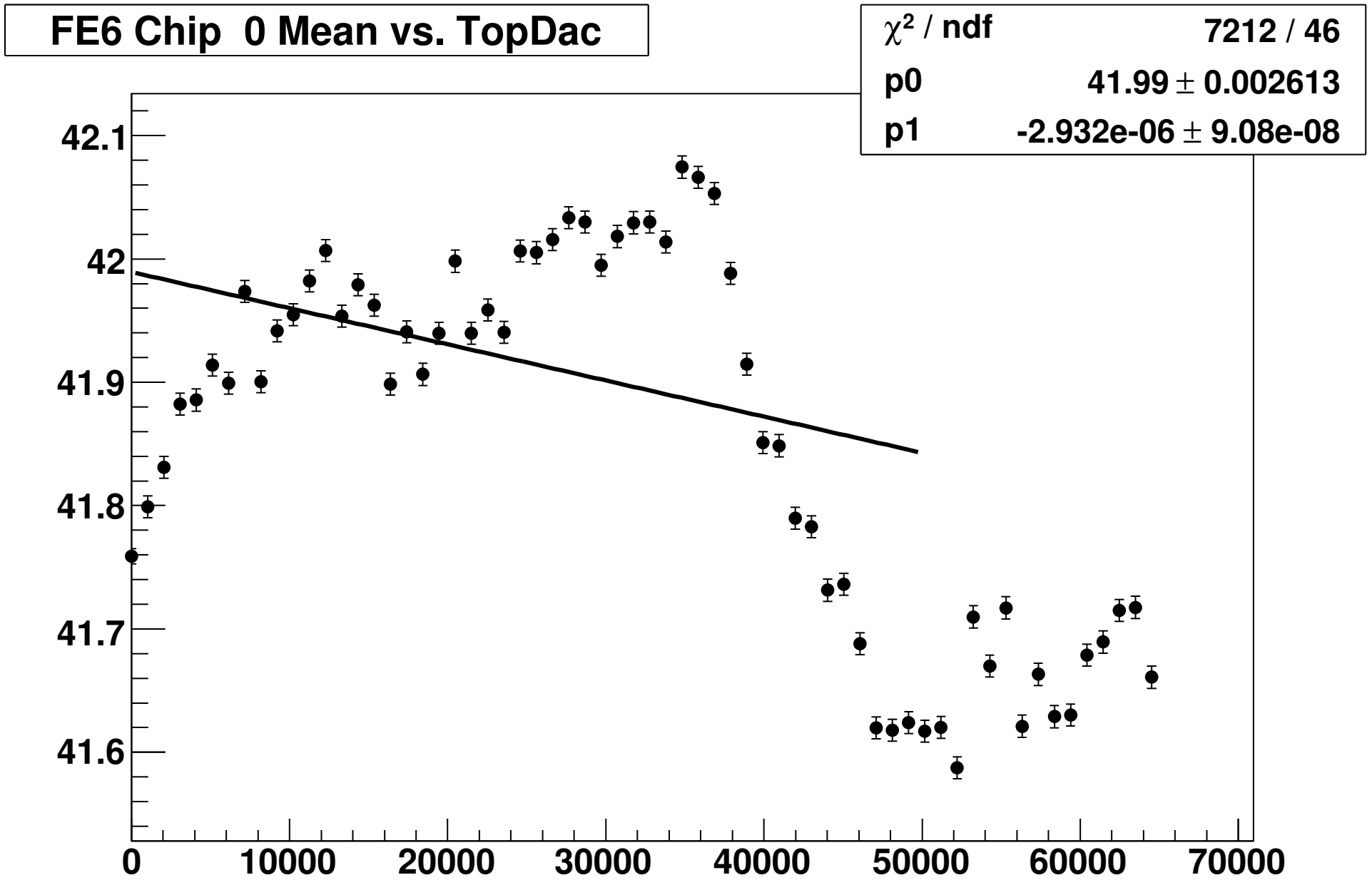

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 3.214e+04 / 46
p0 1.674 ± 0.001755
p1 3.839e-05 ± 9.767e-08
0
2
4
6
8
10
12
14
16
18
20
0
10000
20000
30000
40000
50000
60000
70000

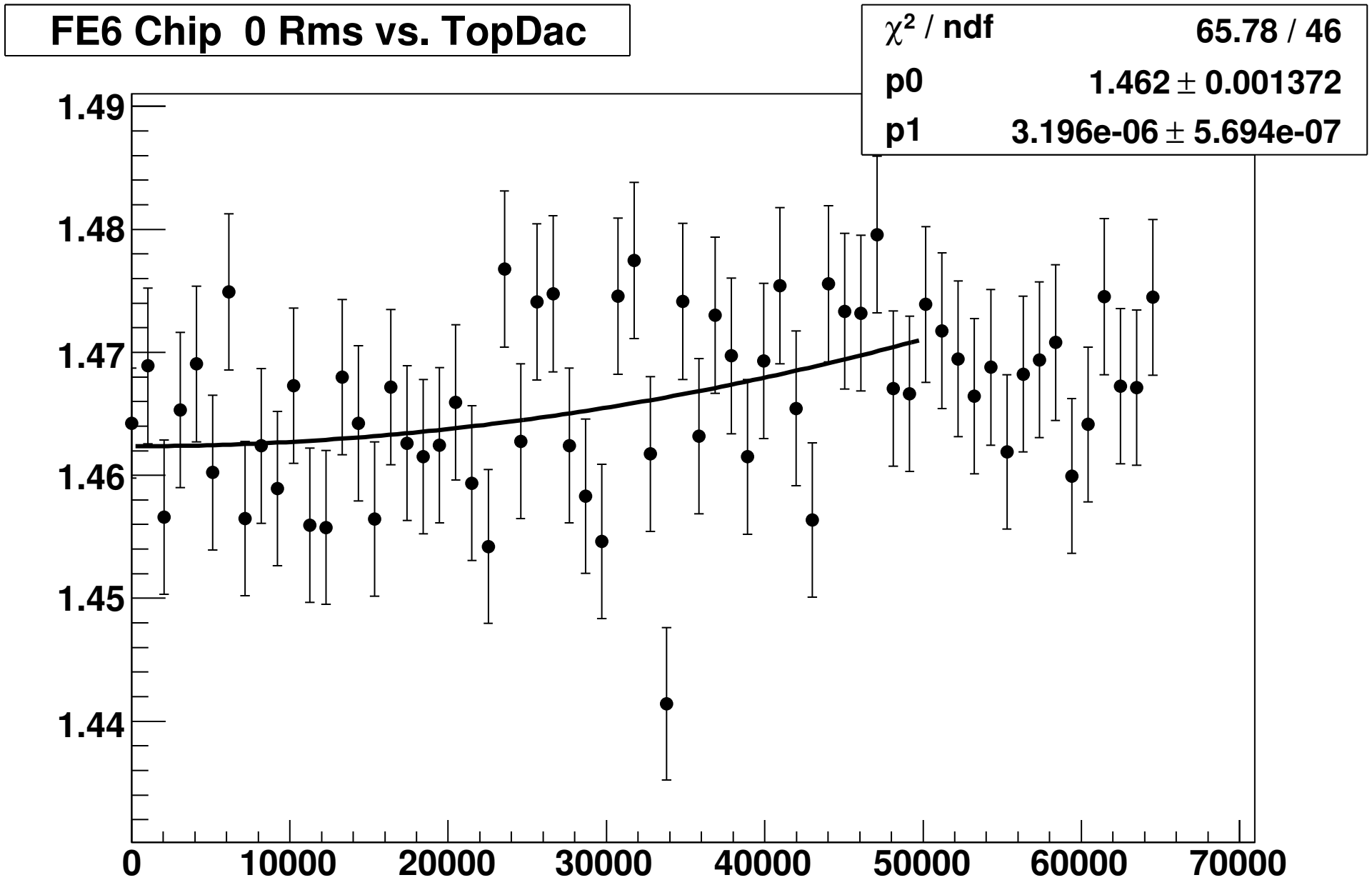

FE5 Chip 11 Mean vs. TopDac
χ² / ndf 9.803e+11 / 46
p0 -1836 ± 0.003733
p1 0.4305 ± 1.481e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000
70000

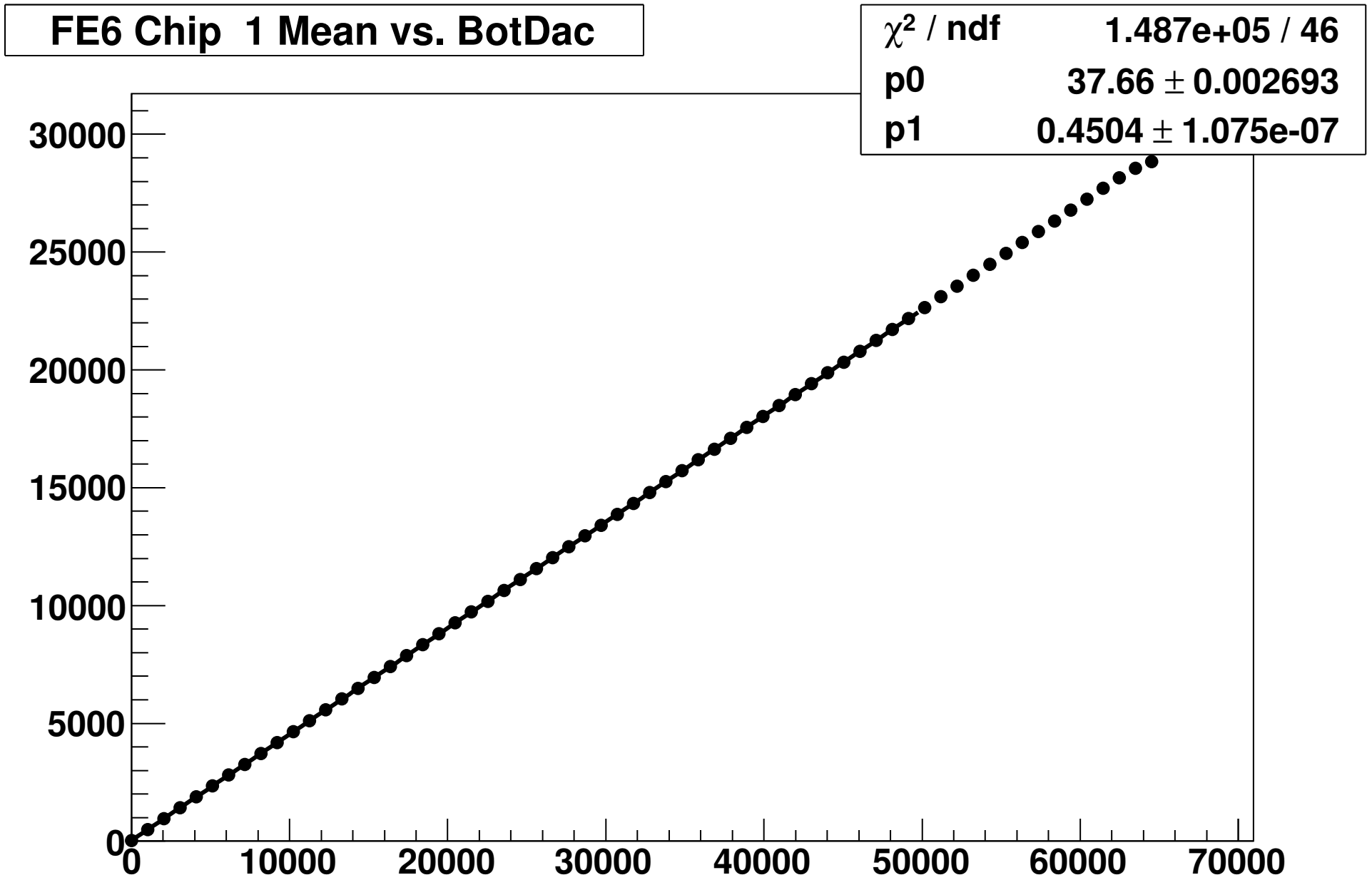

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 4.705e+05 / 46
p0 1.698 ± 0.002093
p1 4.623e-05 ± 1.002e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000
70000

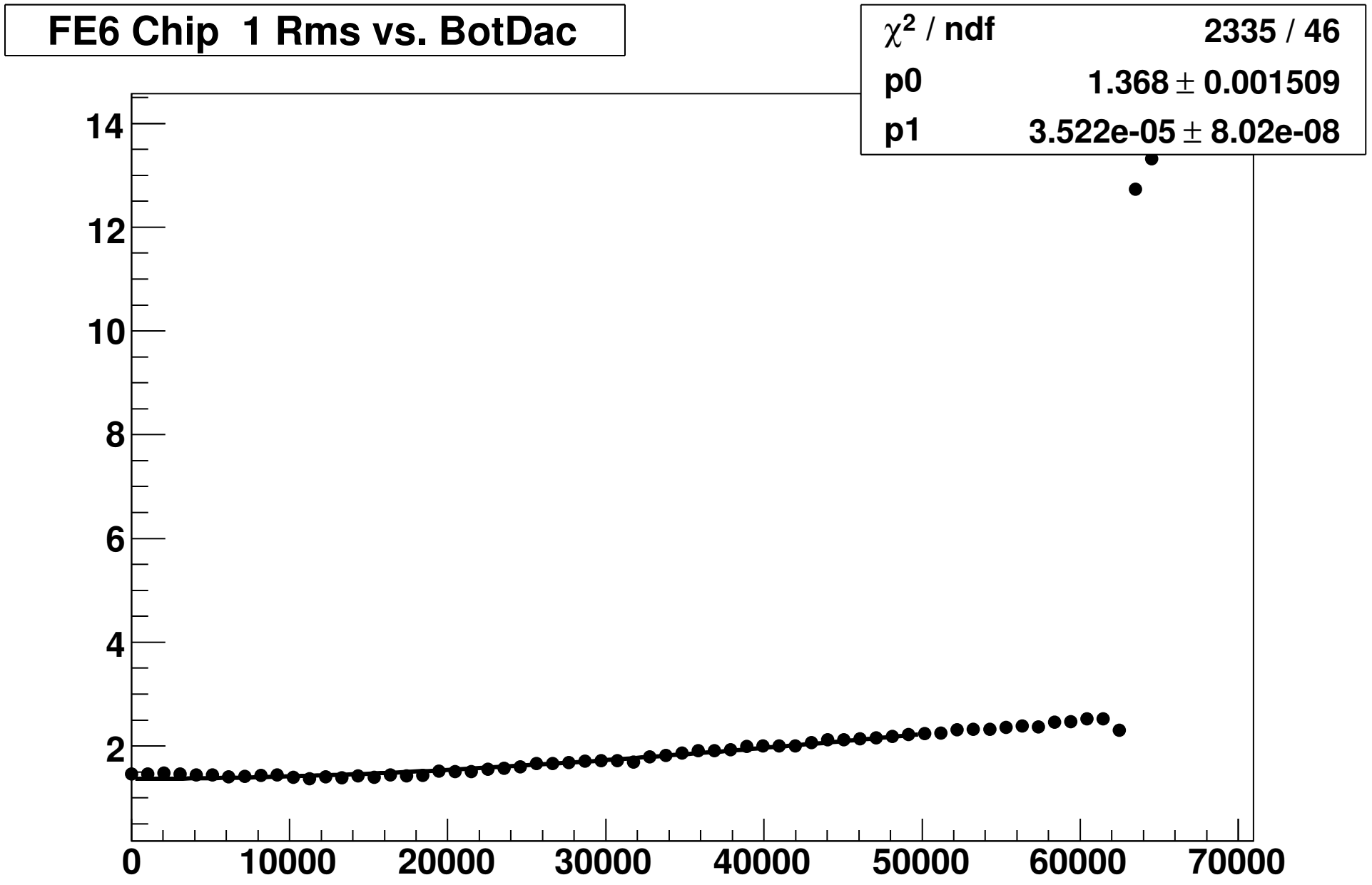

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 2.495e+05 / 46
p0 40.78 ± 0.002726
p1 0.4504 ± 1.085e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

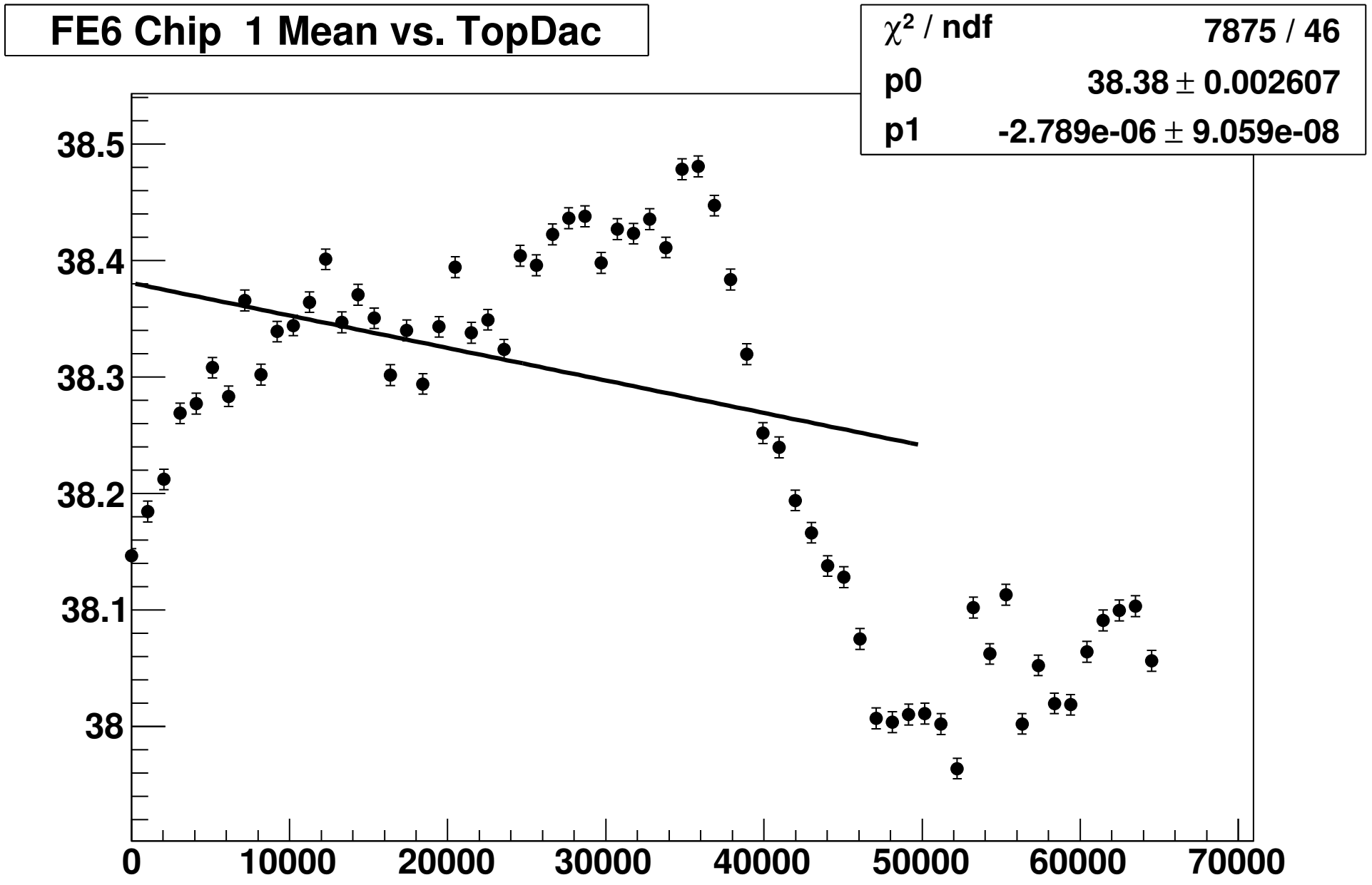

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 3563 / 46
p0 1.386 ± 0.001524
p1 3.525e-05 ± 8.141e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

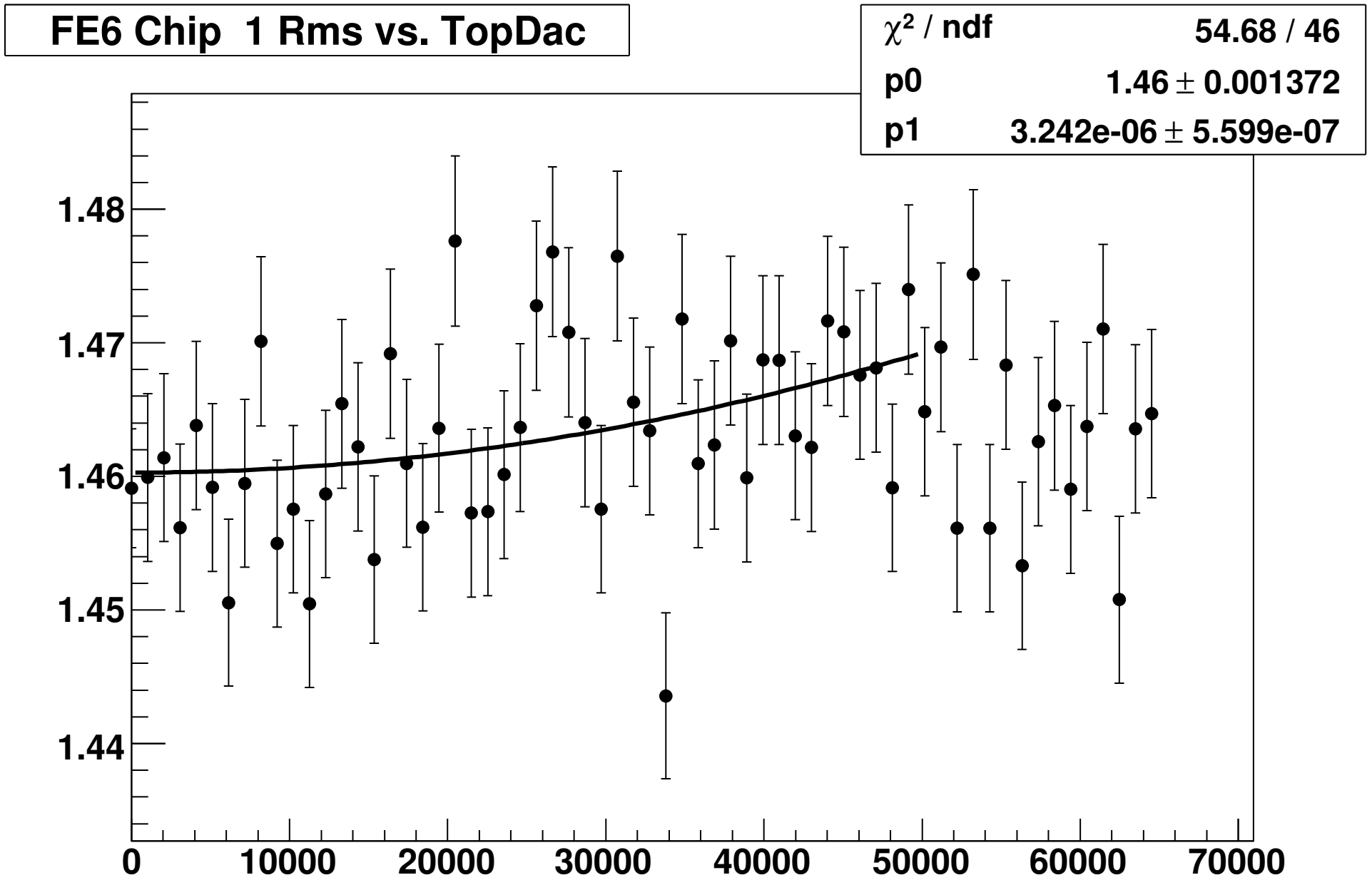

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 7212 / 46
p0 41.99 ± 0.002613
p1 -2.932e-06 ± 9.08e-08
42.1
42
41.9
41.8
41.7
41.6
0
10000
20000
30000
40000
50000
60000
70000

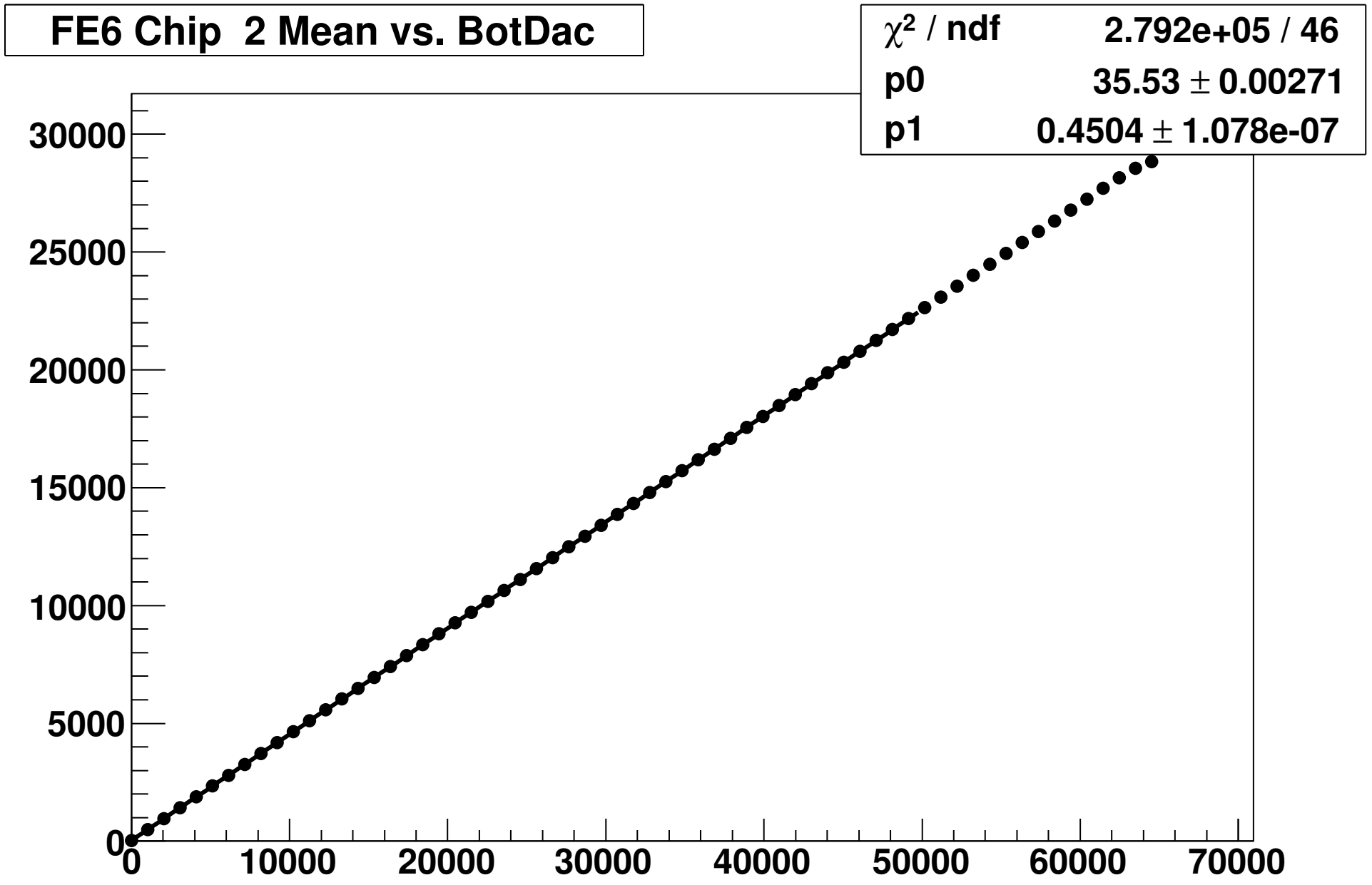

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 65.78 / 46
p0 1.462 ± 0.001372
p1 3.196e-06 ± 5.694e-07
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

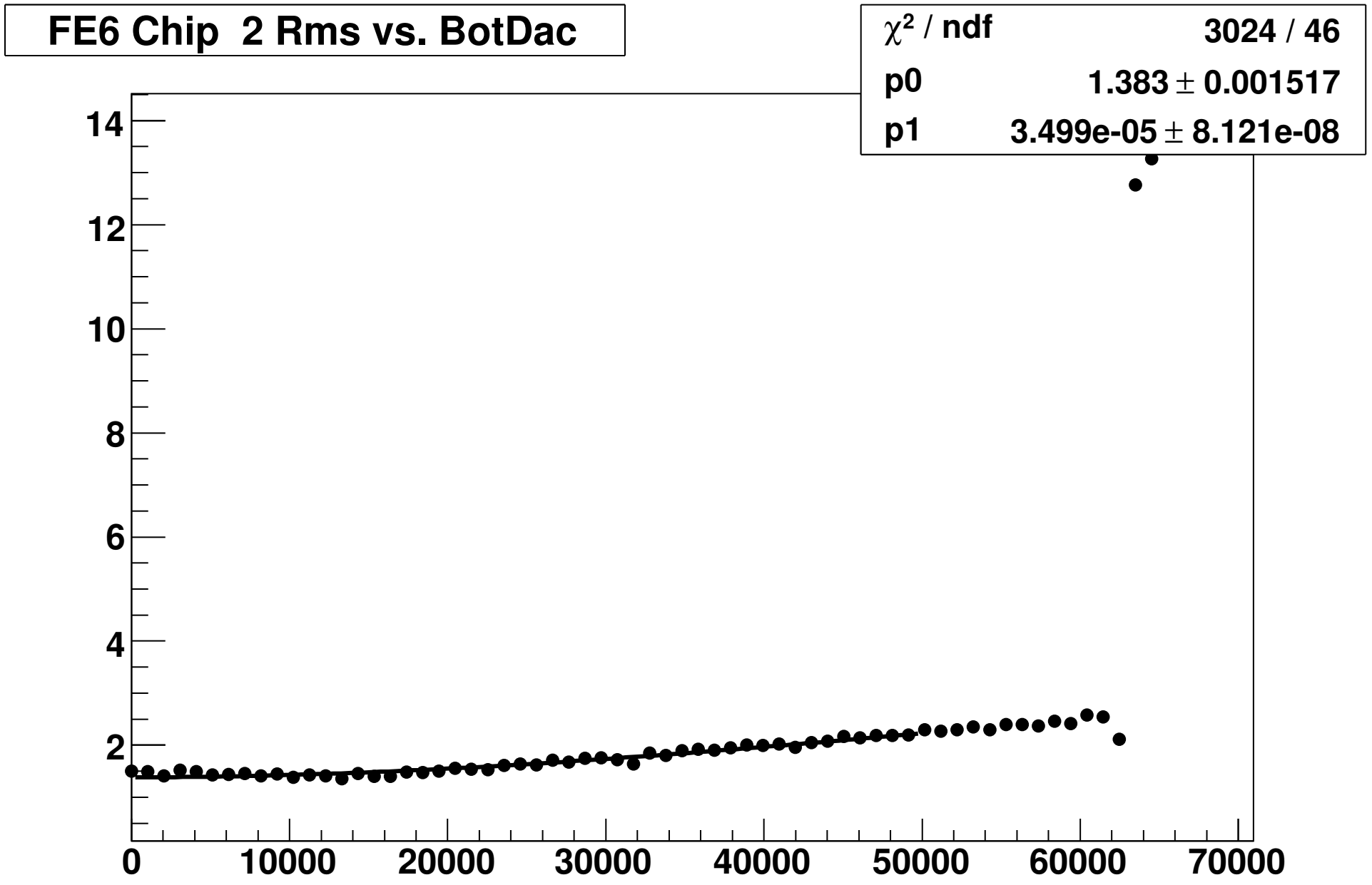

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.487e+05 / 46
p0 37.66 ± 0.002693
p1 0.4504 ± 1.075e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 2335 / 46
p0 1.368 ± 0.001509
p1 3.522e-05 ± 8.02e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 7875 / 46
p0 38.38 ± 0.002607
p1 -2.789e-06 ± 9.059e-08
38.5
38.4
38.3
38.2
38.1
38
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 54.68 / 46
p0 1.46 ± 0.001372
p1 3.242e-06 ± 5.599e-07
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 2.792e+05 / 46
p0 35.53 ± 0.00271
p1 0.4504 ± 1.078e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 3024 / 46
p0 1.383 ± 0.001517
p1 3.499e-05 ± 8.121e-08
14
12
10
8
6
4
2
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20000
30000
40000
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60000
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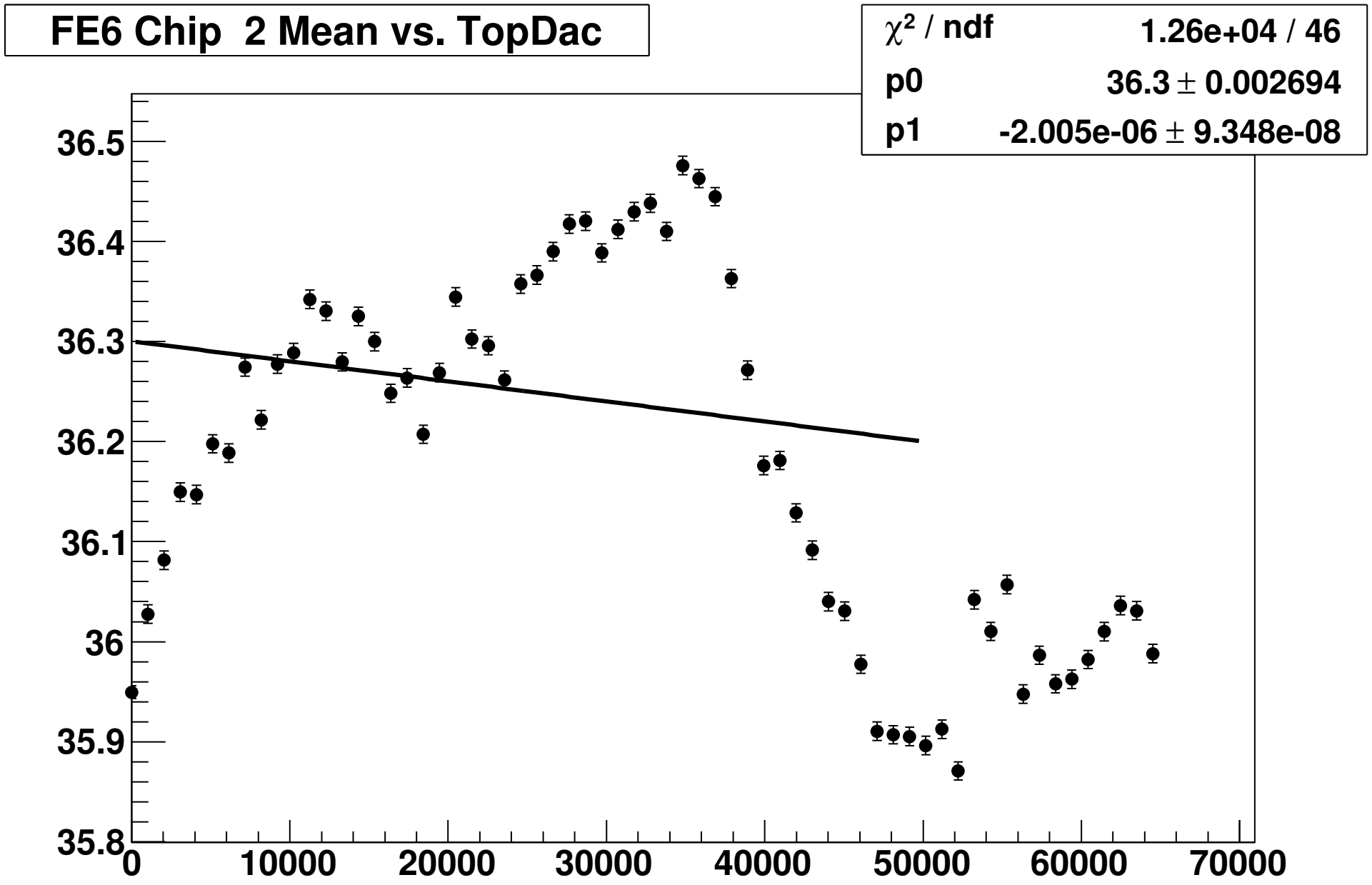
FE6 Chip 2 Mean vs. TopDac
χ² / ndf 1.26e+04 / 46
p0 36.3 ± 0.002694
p1 -2.005e-06 ± 9.348e-08
36.5
36.4
36.3
36.2
36.1
36
35.9
35.8
0
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20000
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40000
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60000
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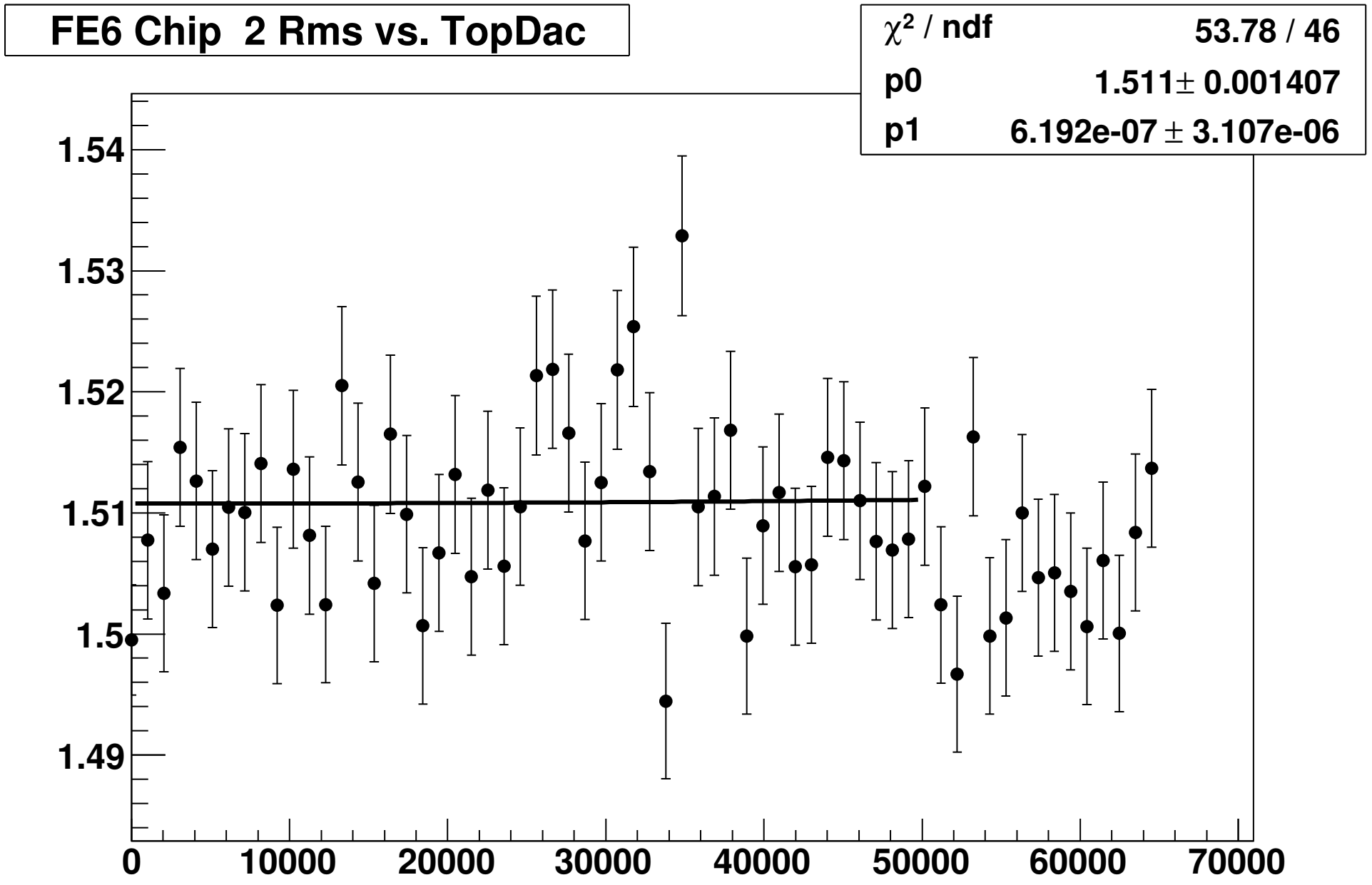
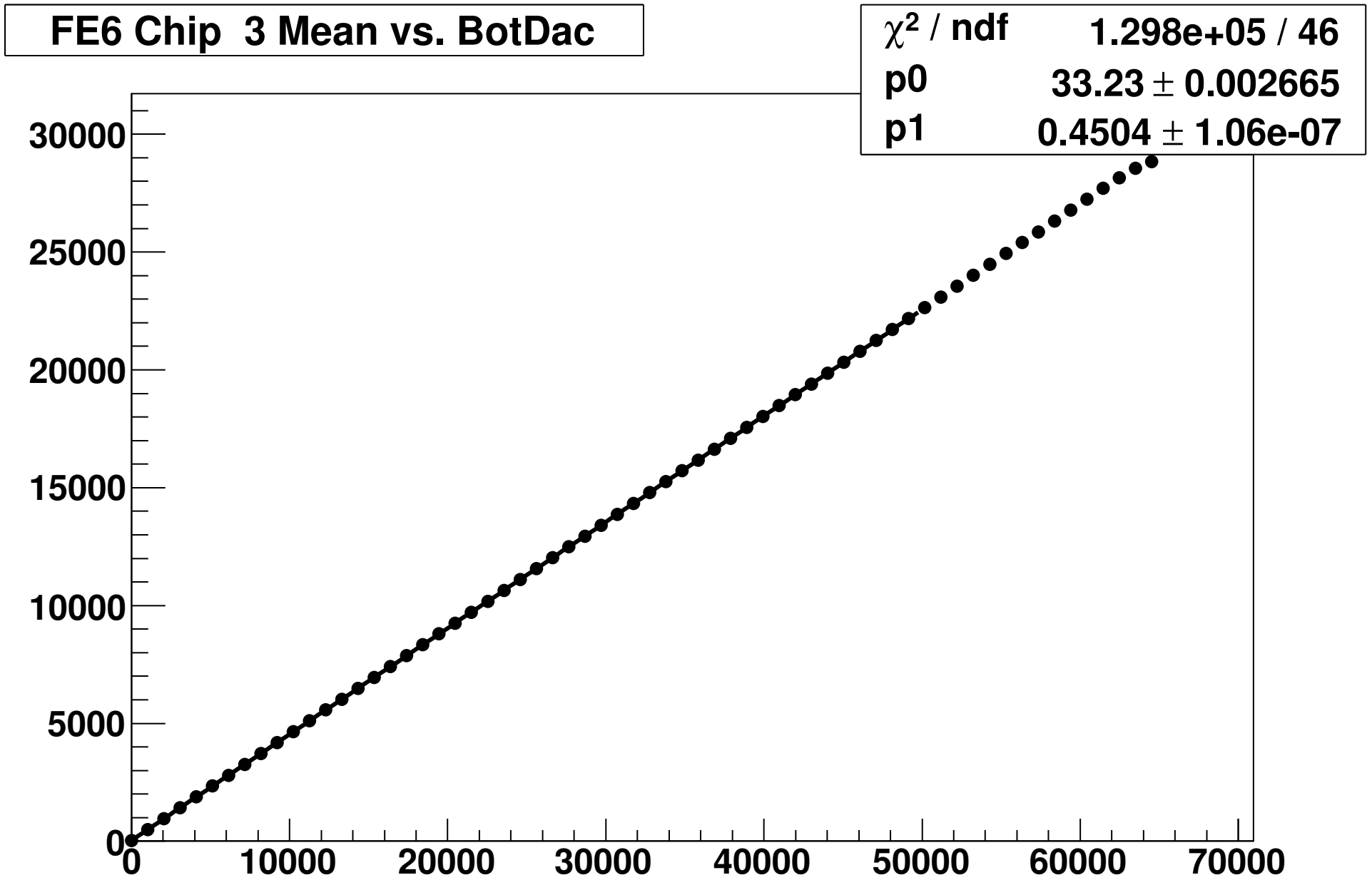
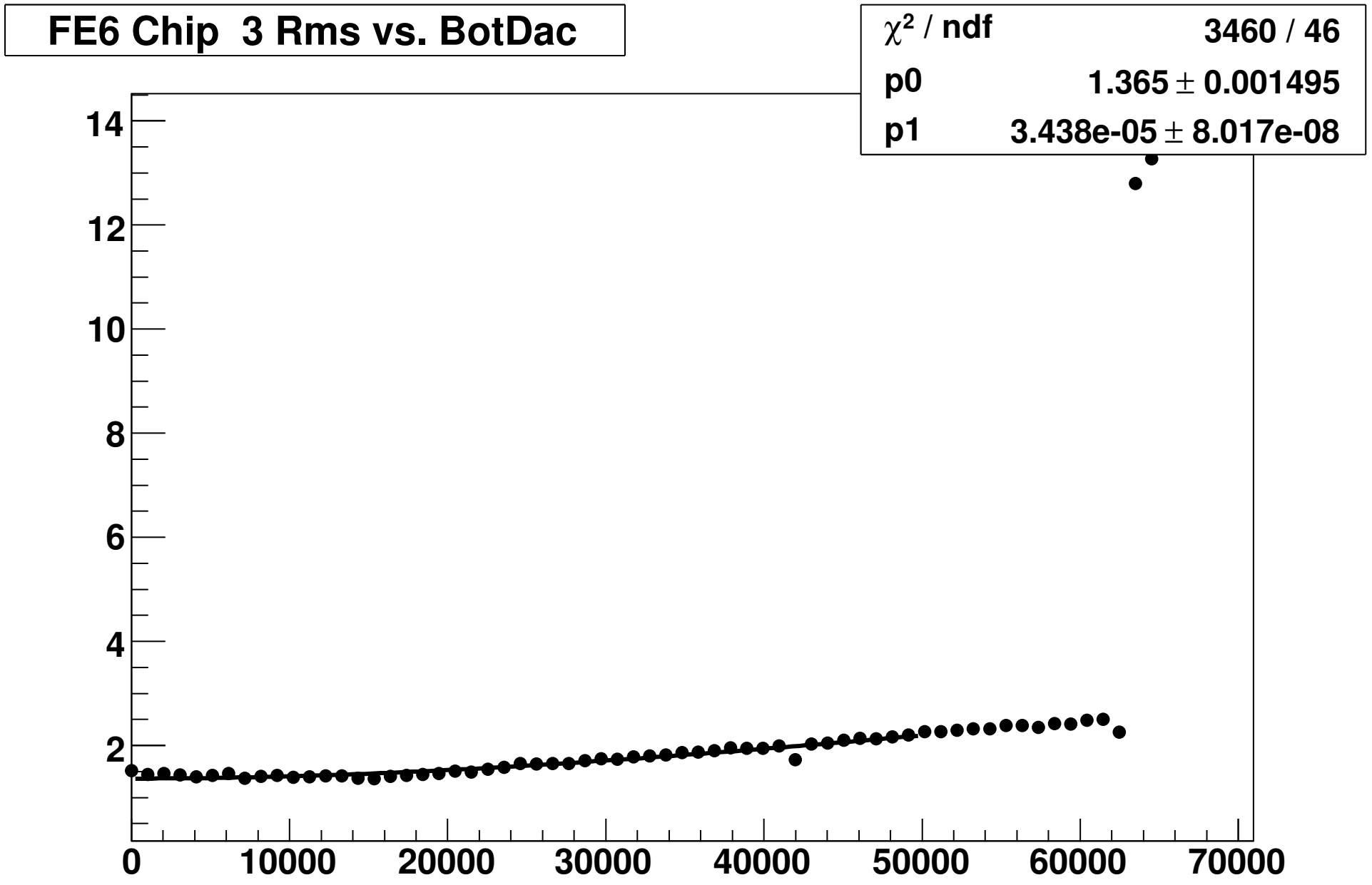
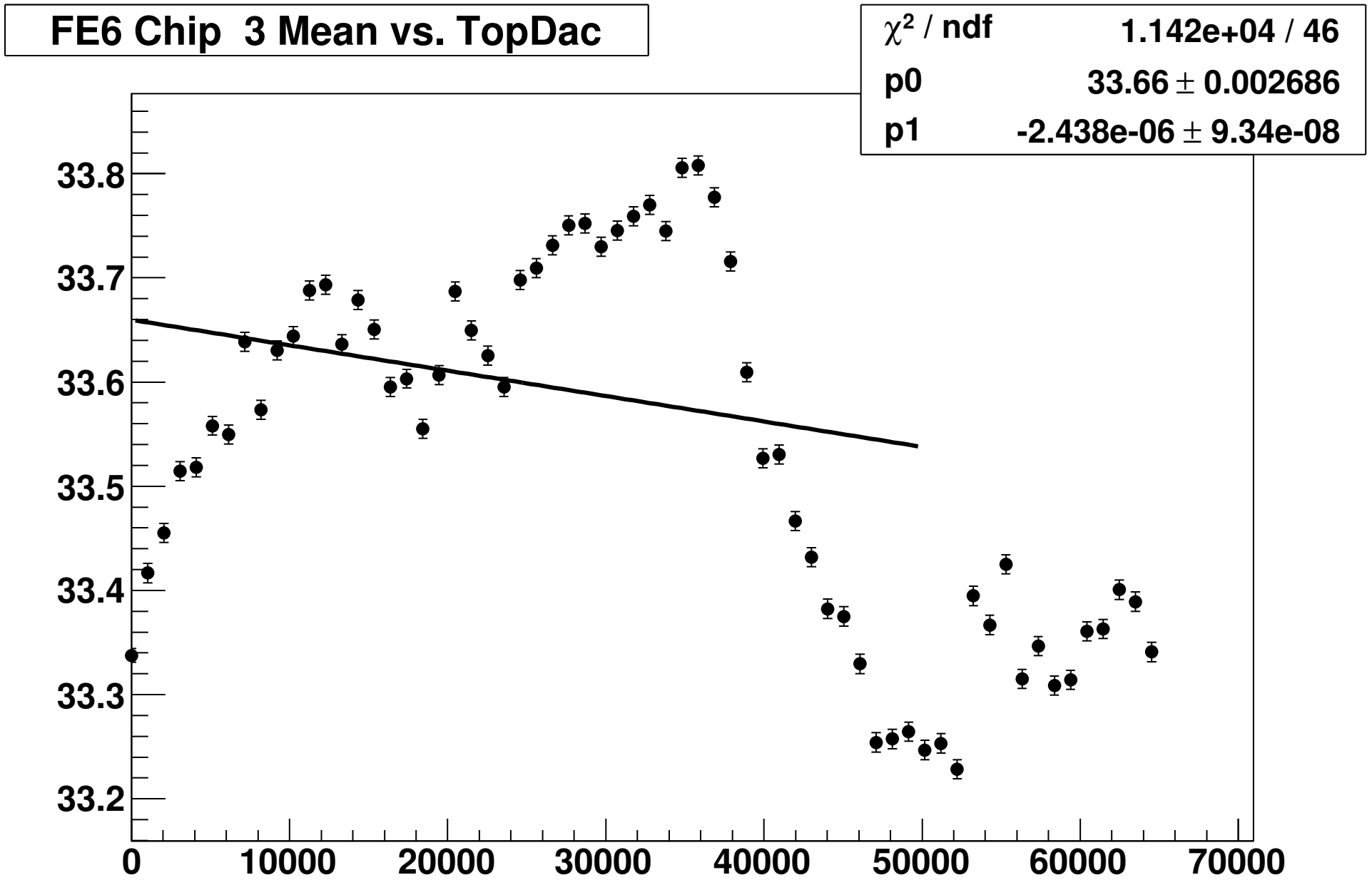

FE6 Chip 2 Rms vs. TopDac
χ² / ndf 53.78 / 46
p0 1.511 ± 0.001407
p1 6.192e-07 ± 3.107e-06
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.298e+05 / 46
p0 33.23 ± 0.002665
p1 0.4504 ± 1.06e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 3460 / 46
p0 1.365 ± 0.001495
p1 3.438e-05 ± 8.017e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 1.142e+04 / 46
p0 33.66 ± 0.002686
p1 -2.438e-06 ± 9.34e-08
33.8
33.7
33.6
33.5
33.4
33.3
33.2
0
10000
20000
30000
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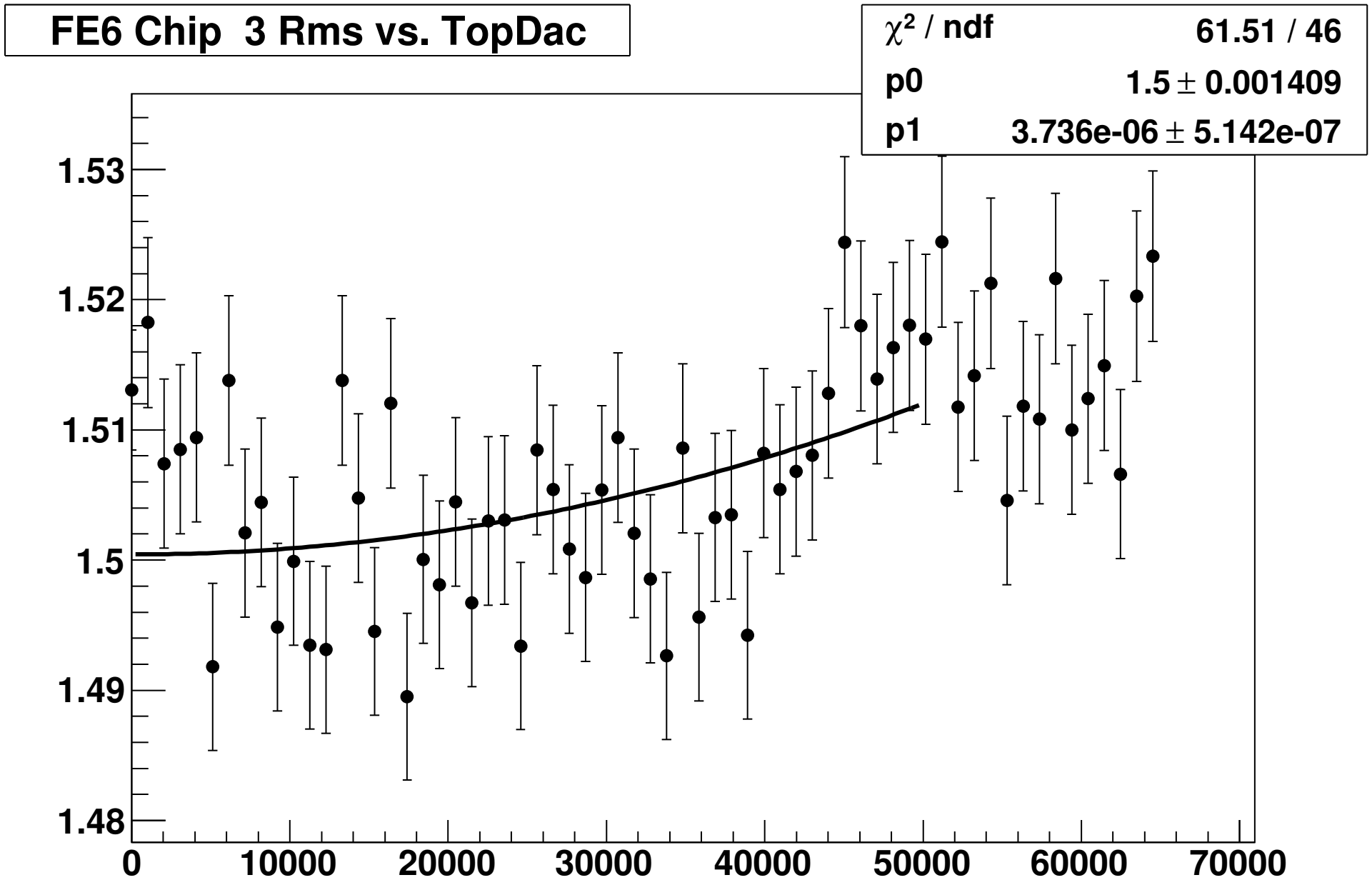
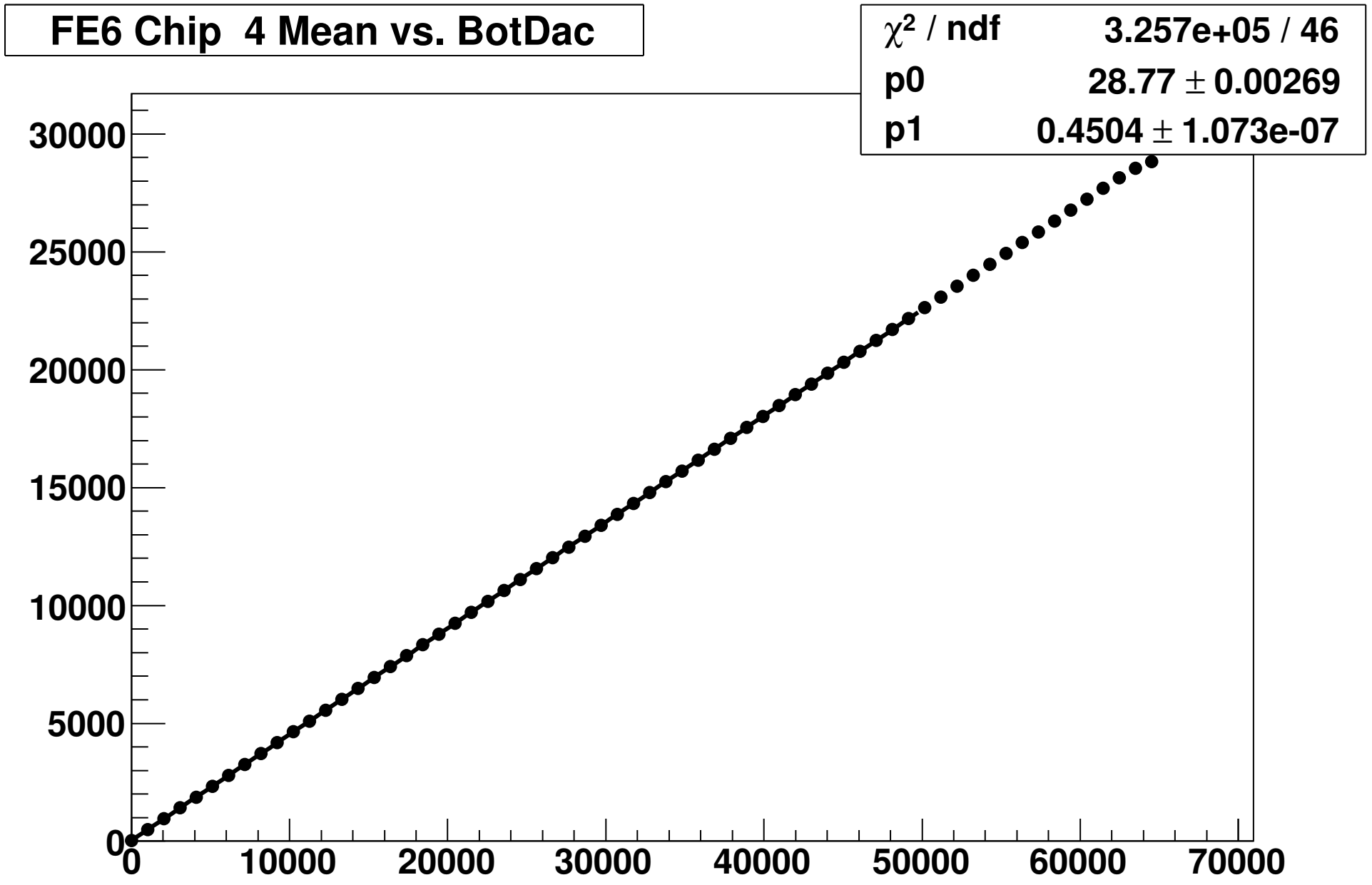
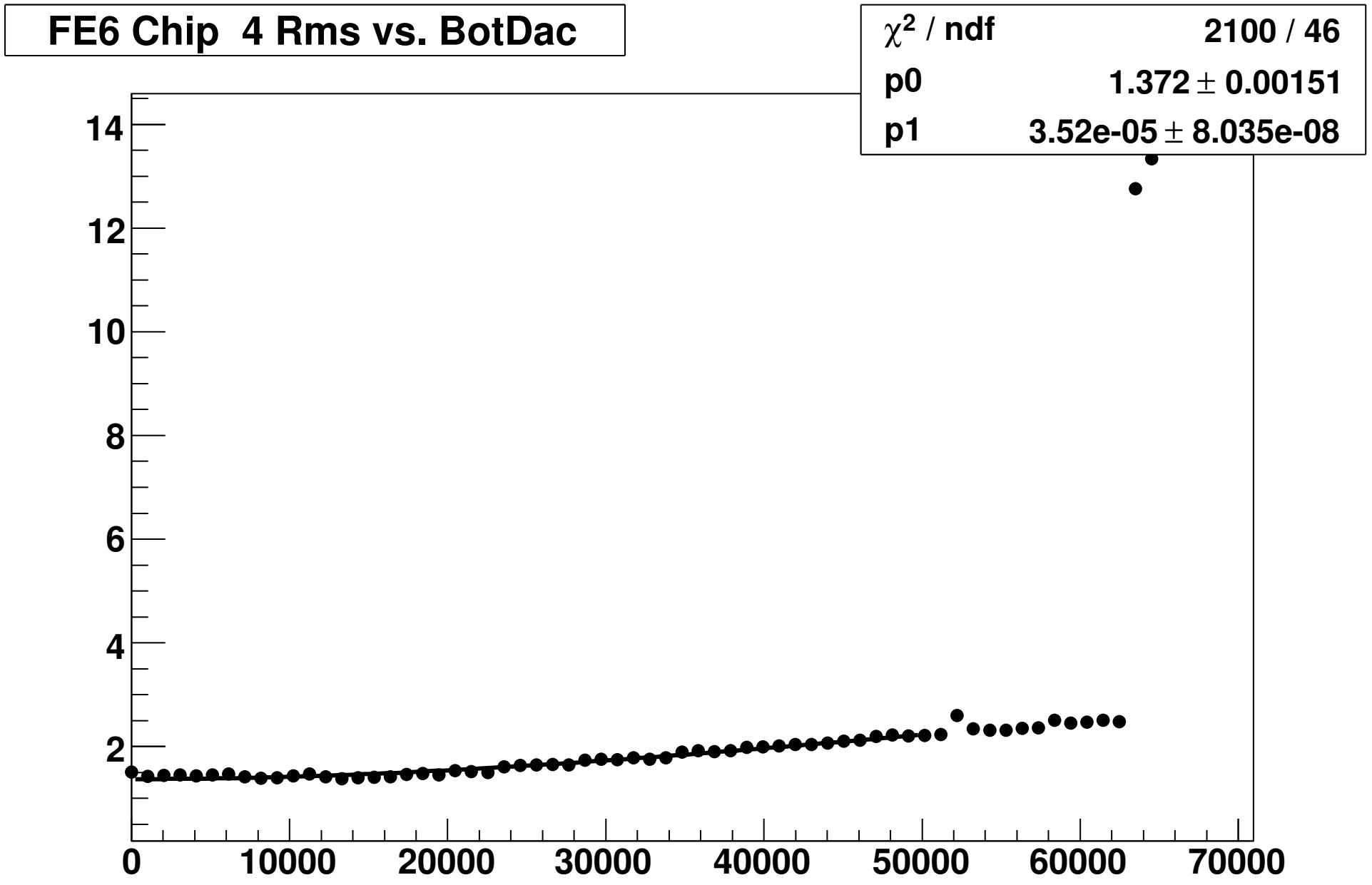
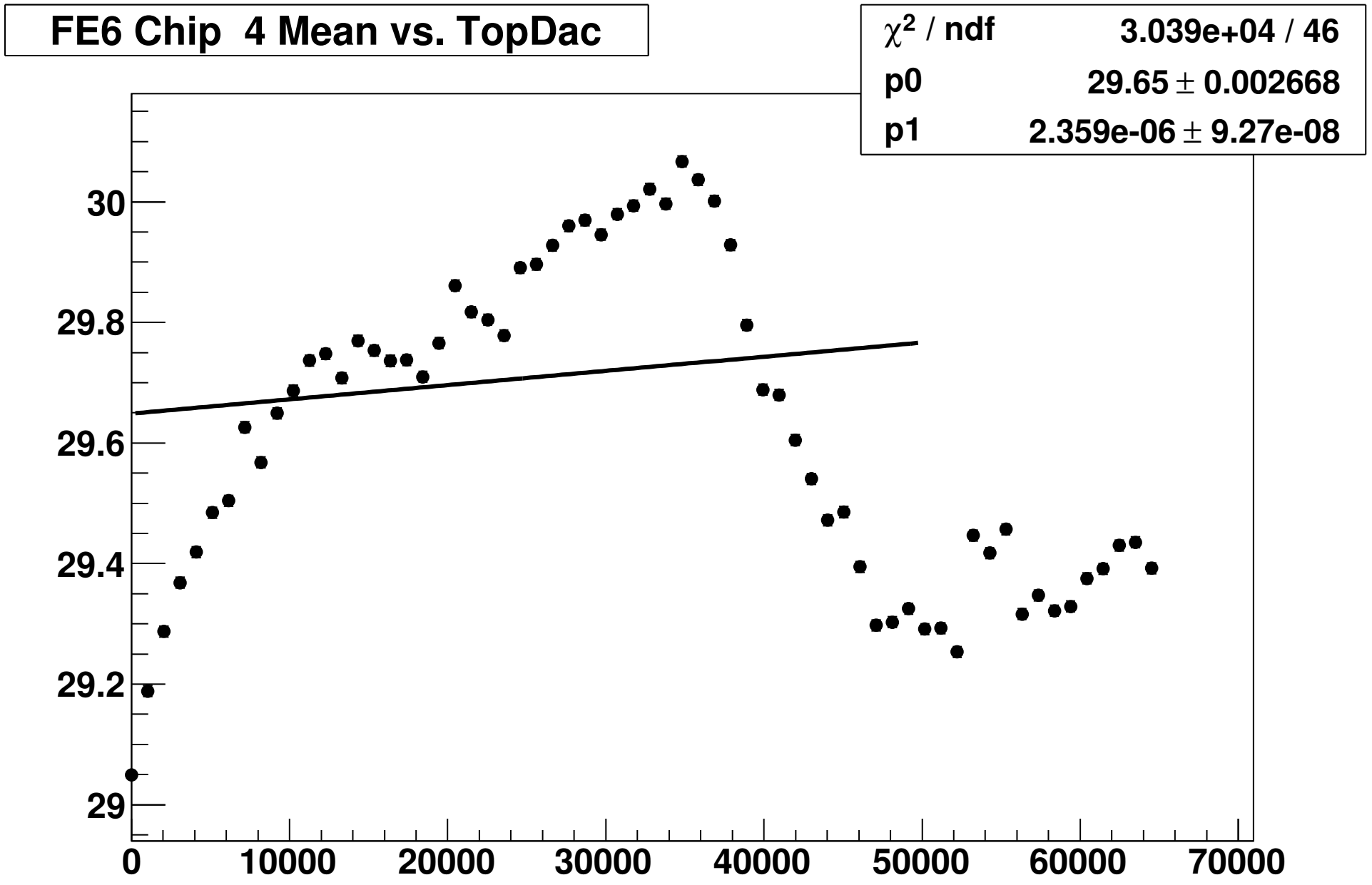
50000
60000
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 61.51 / 46
p0 1.5 ± 0.001409
p1 3.736e-06 ± 5.142e-07
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. BotDac
χ² / ndf 3.257e+05 / 46
p0 28.77 ± 0.00269
p1 0.4504 ± 1.073e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 2100 / 46
p0 1.372 ± 0.00151
p1 3.52e-05 ± 8.035e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 3.039e+04 / 46
p0 29.65 ± 0.002668
p1 2.359e-06 ± 9.27e-08
30
29.8
29.6
29.4
29.2
29
0
10000
20000
30000
40000
50000
60000
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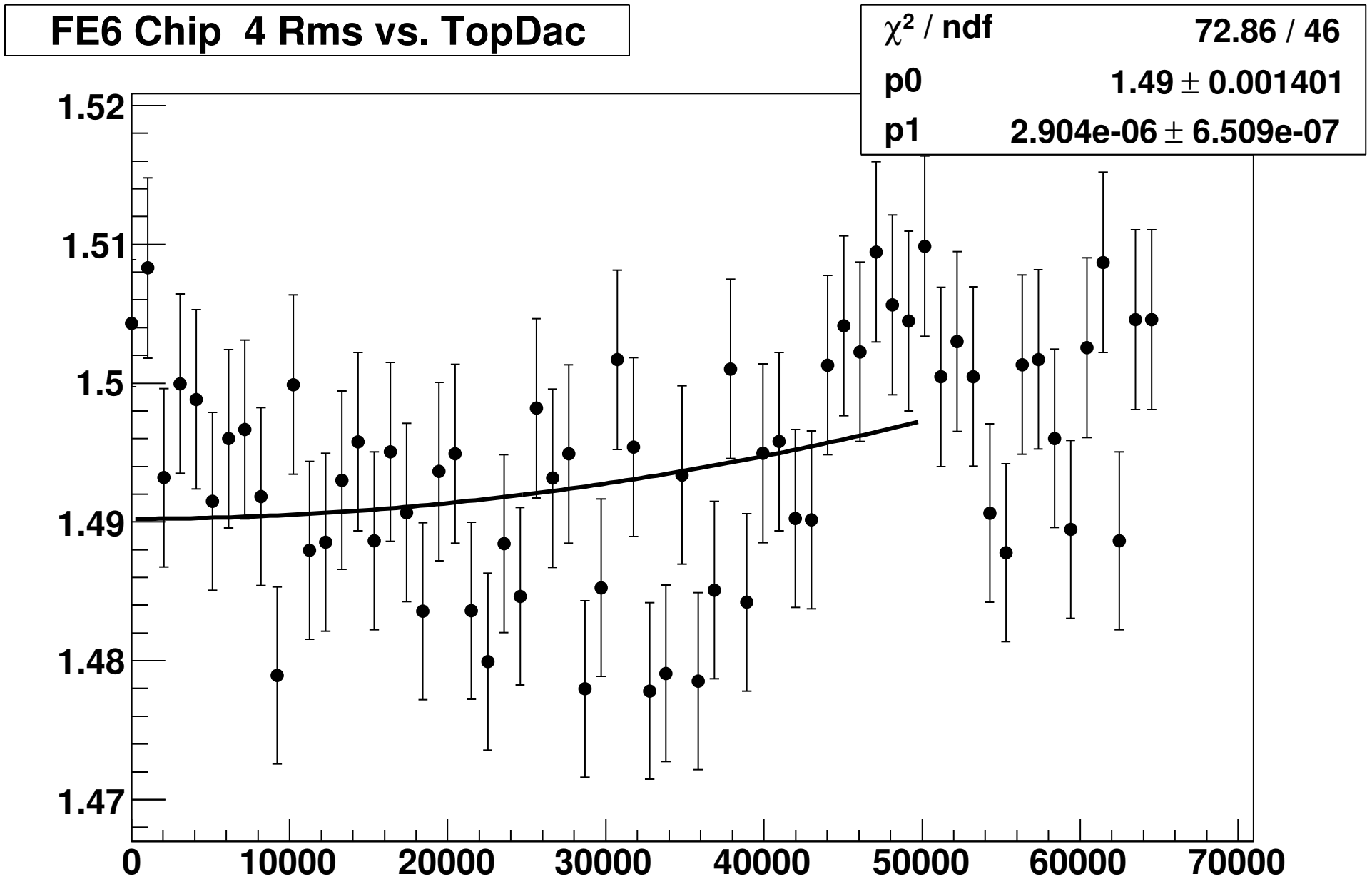
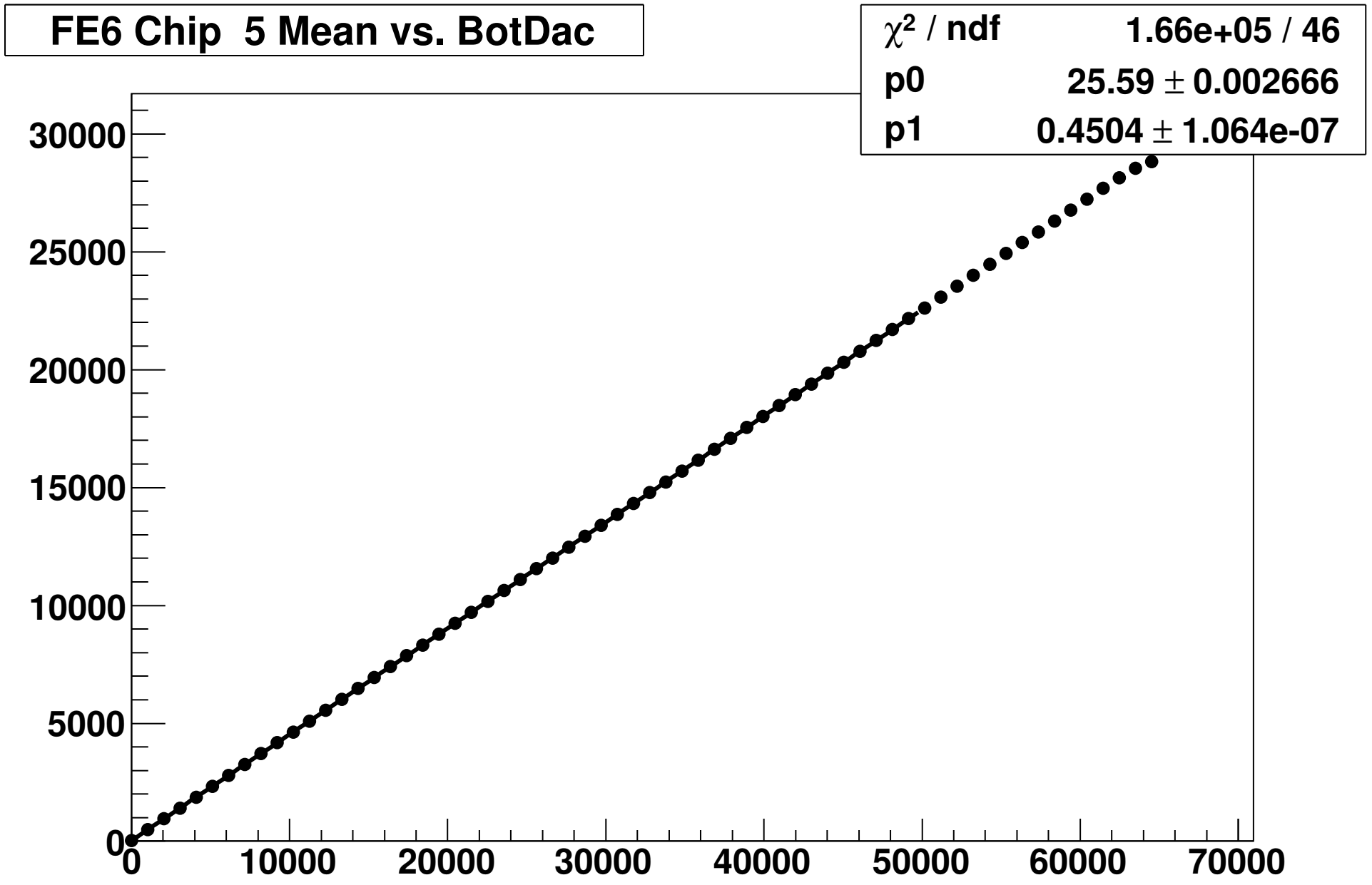
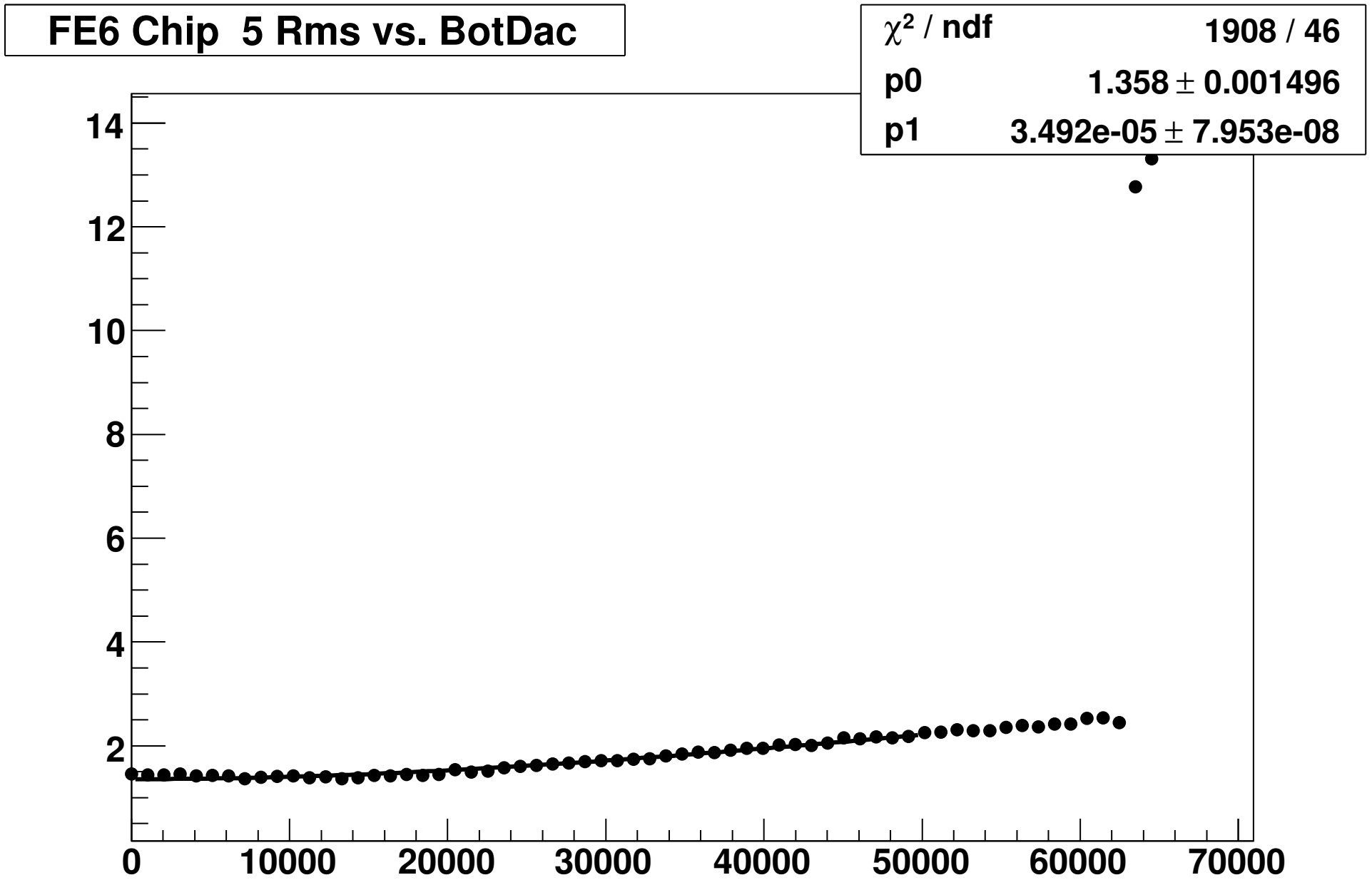
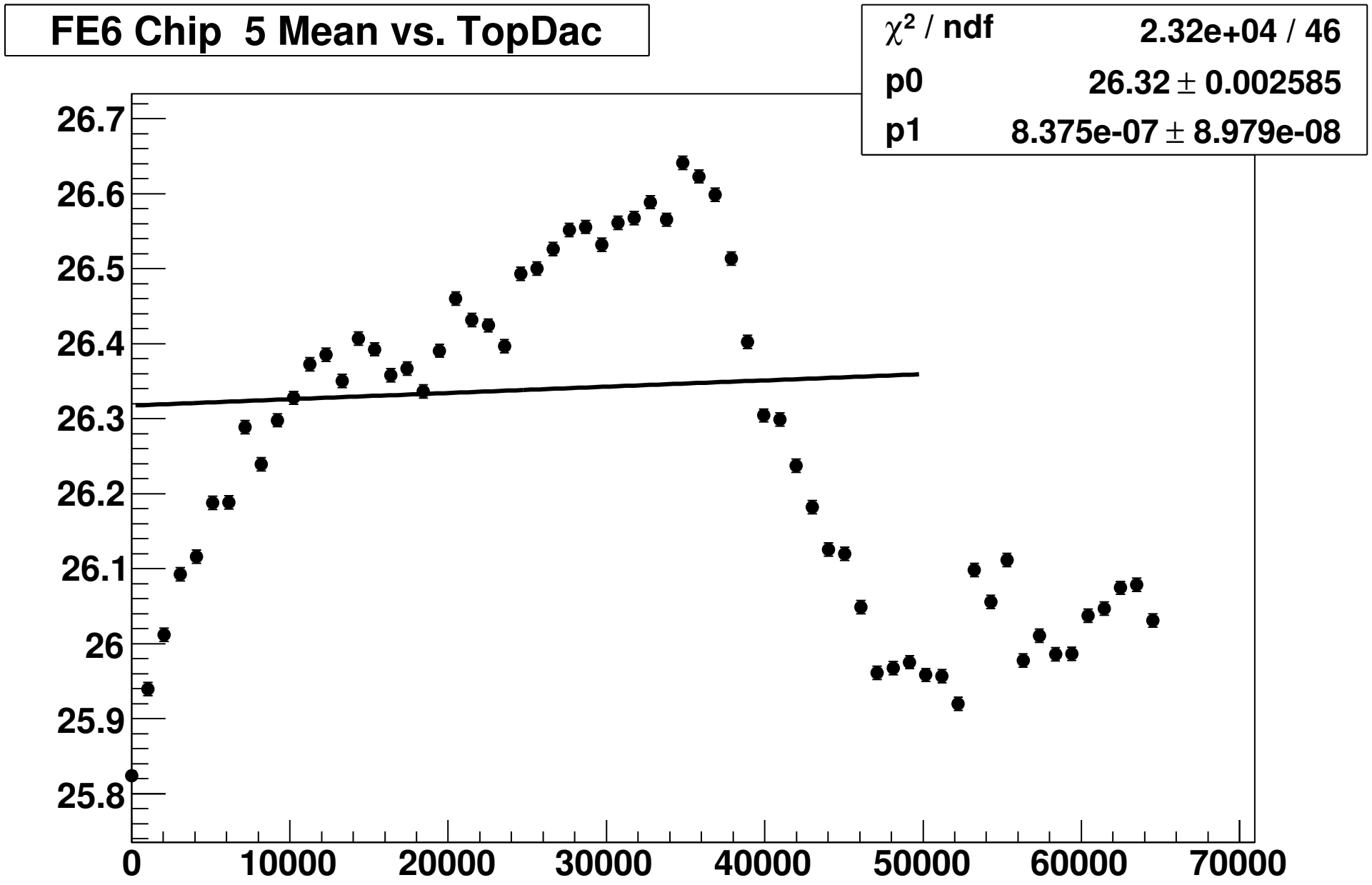
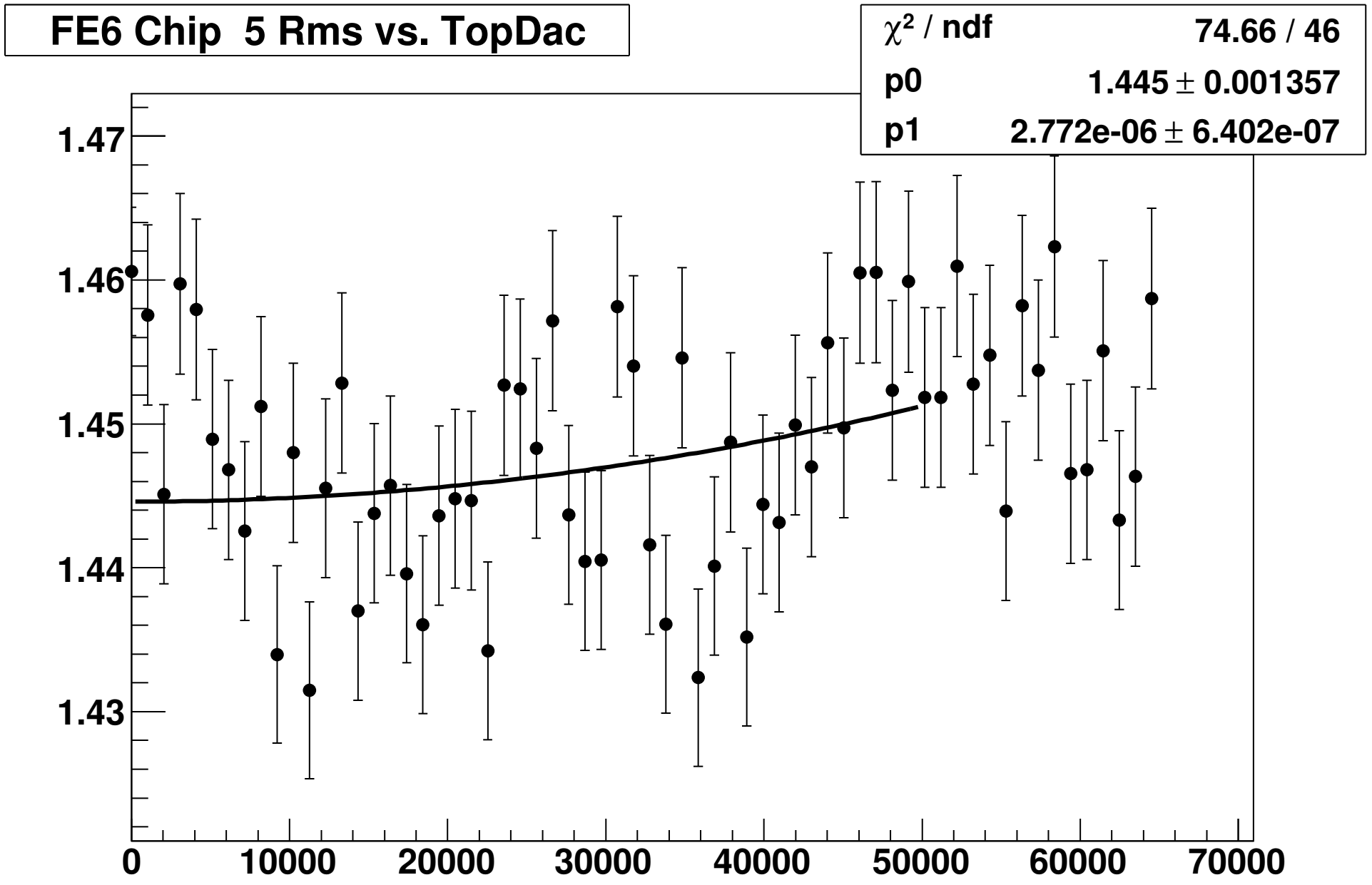
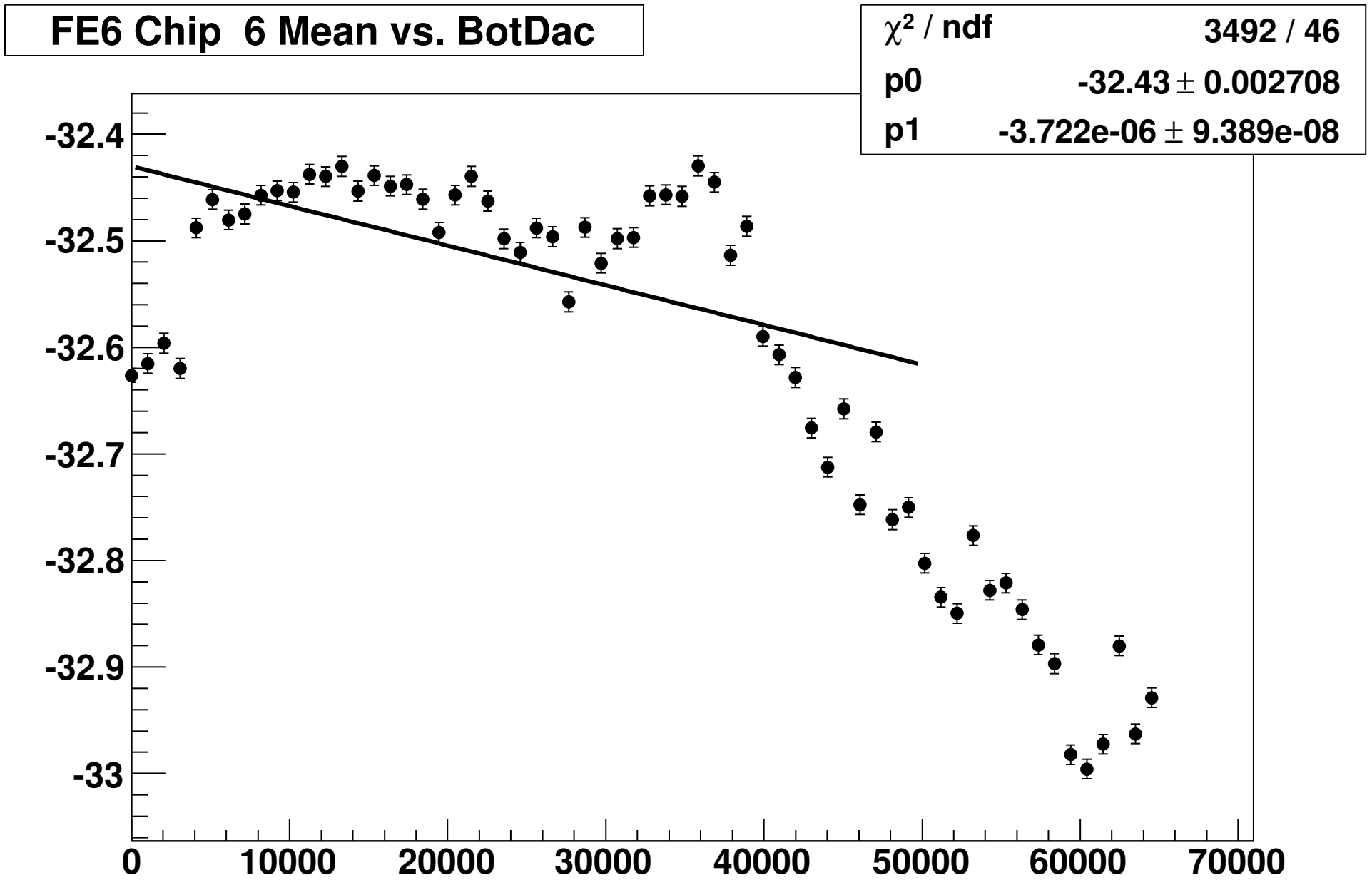

FE6 Chip 4 Rms vs. TopDac
χ² / ndf 72.86 / 46
p0 1.49 ± 0.001401
p1 2.904e-06 ± 6.509e-07
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

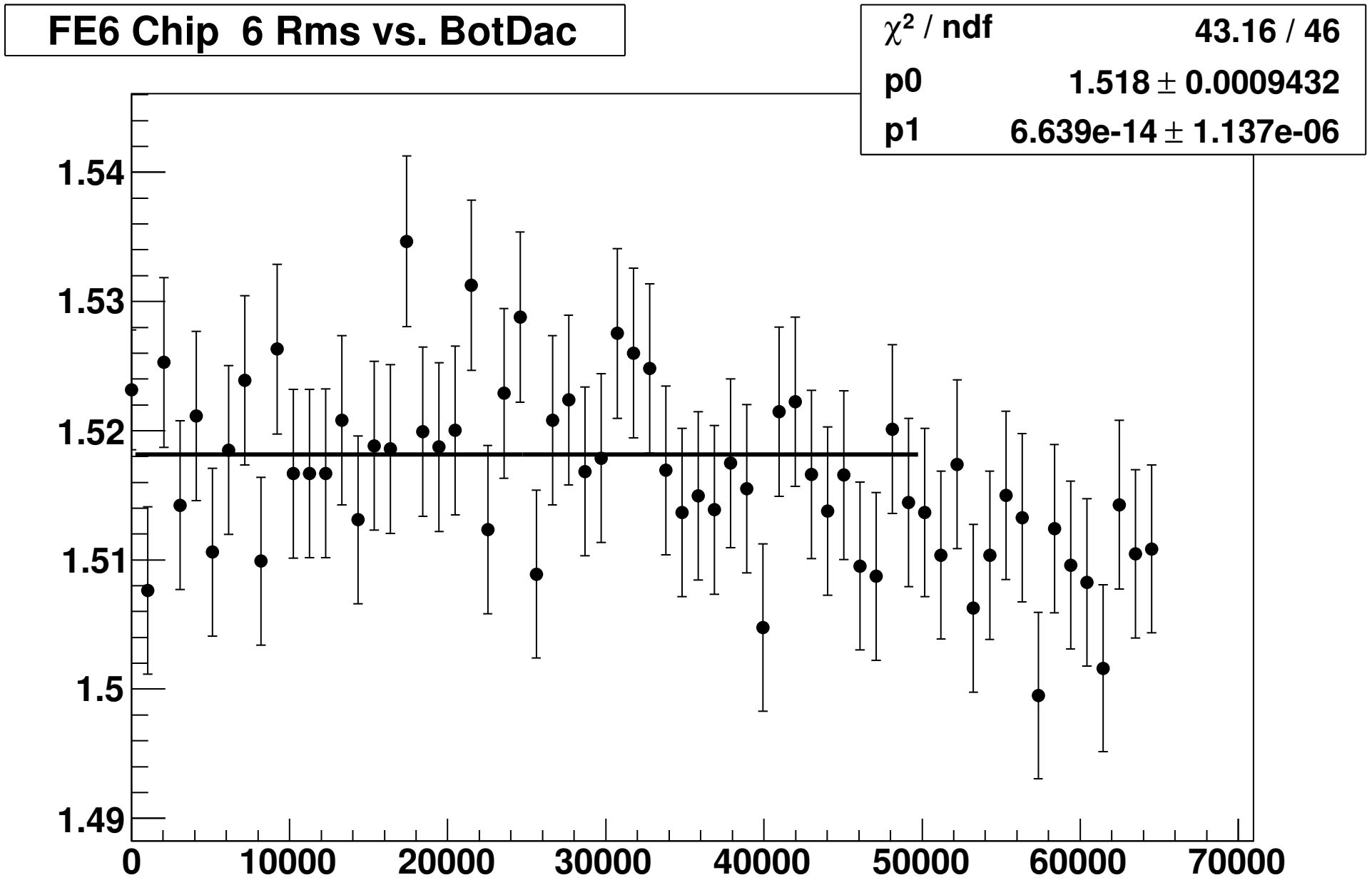

FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.66e+05 / 46
p0 25.59 ± 0.002666
p1 0.4504 ± 1.064e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

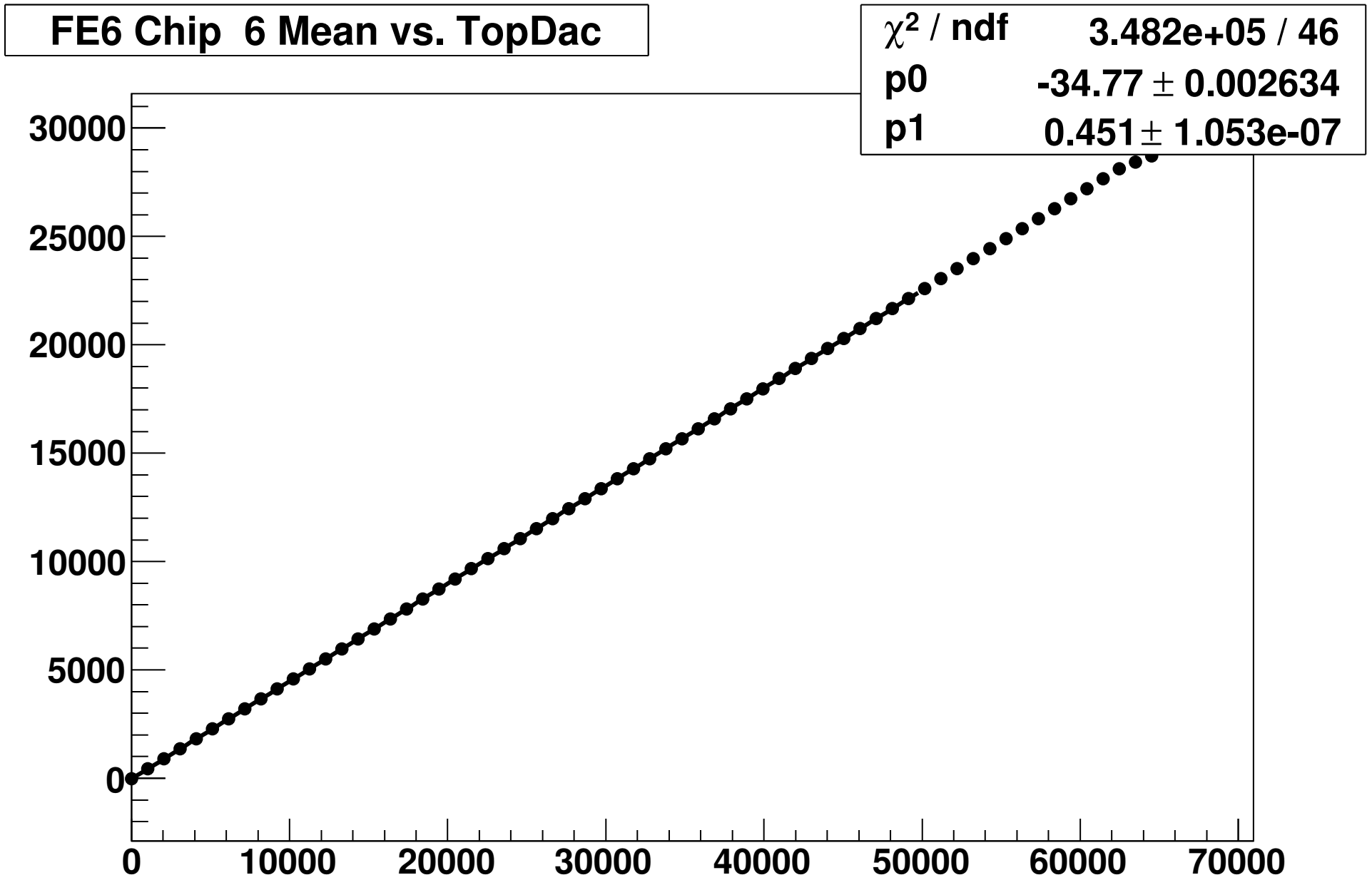

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 1908 / 46
p0 1.358 ± 0.001496
p1 3.492e-05 ± 7.953e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

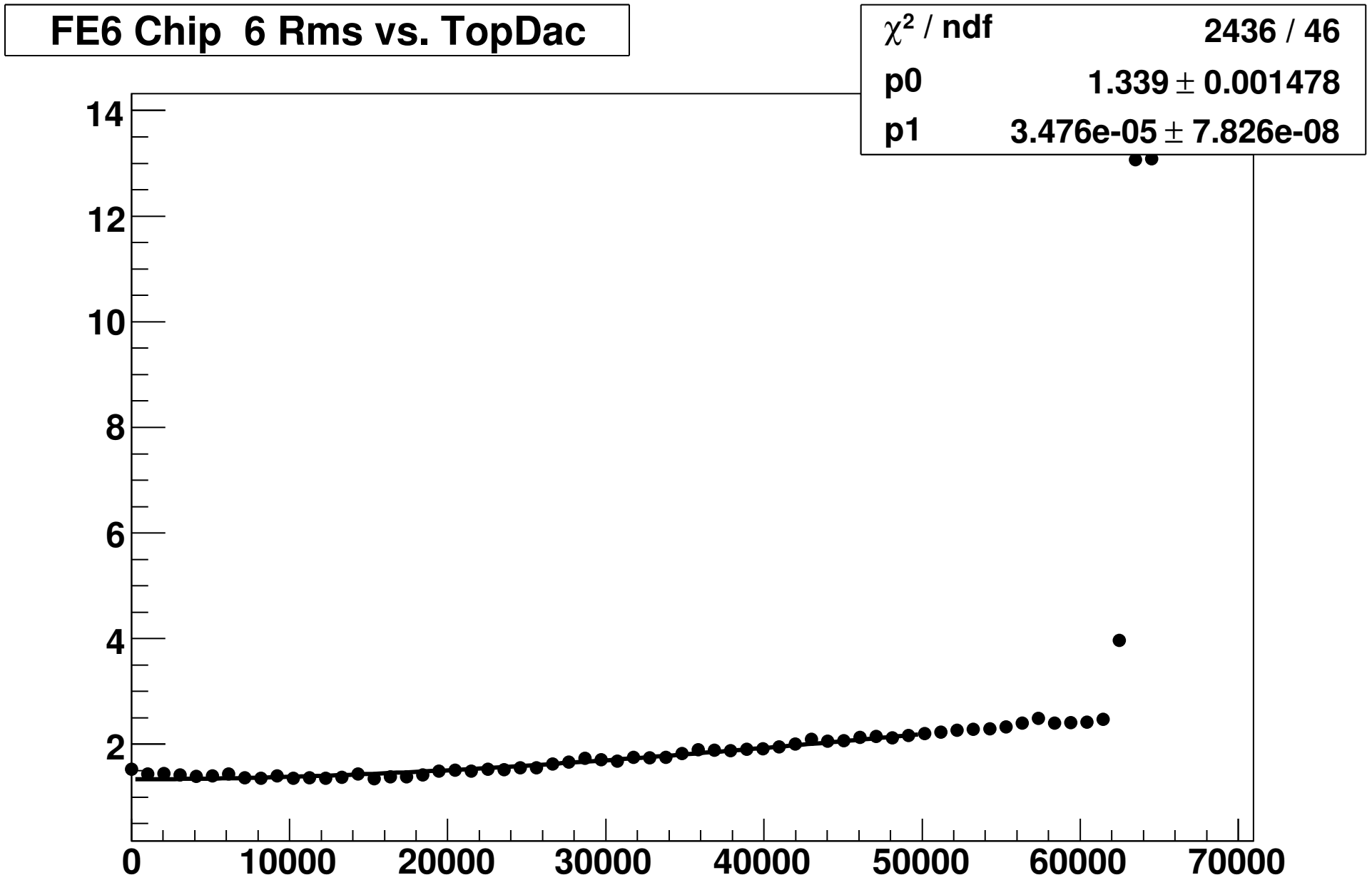

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 2.32e+04 / 46
p0 26.32 ± 0.002585
p1 8.375e-07 ± 8.979e-08
26.7
26.6
26.5
26.4
26.3
26.2
26.1
26
25.9
25.8
0
10000
20000
30000
40000
50000
60000
70000

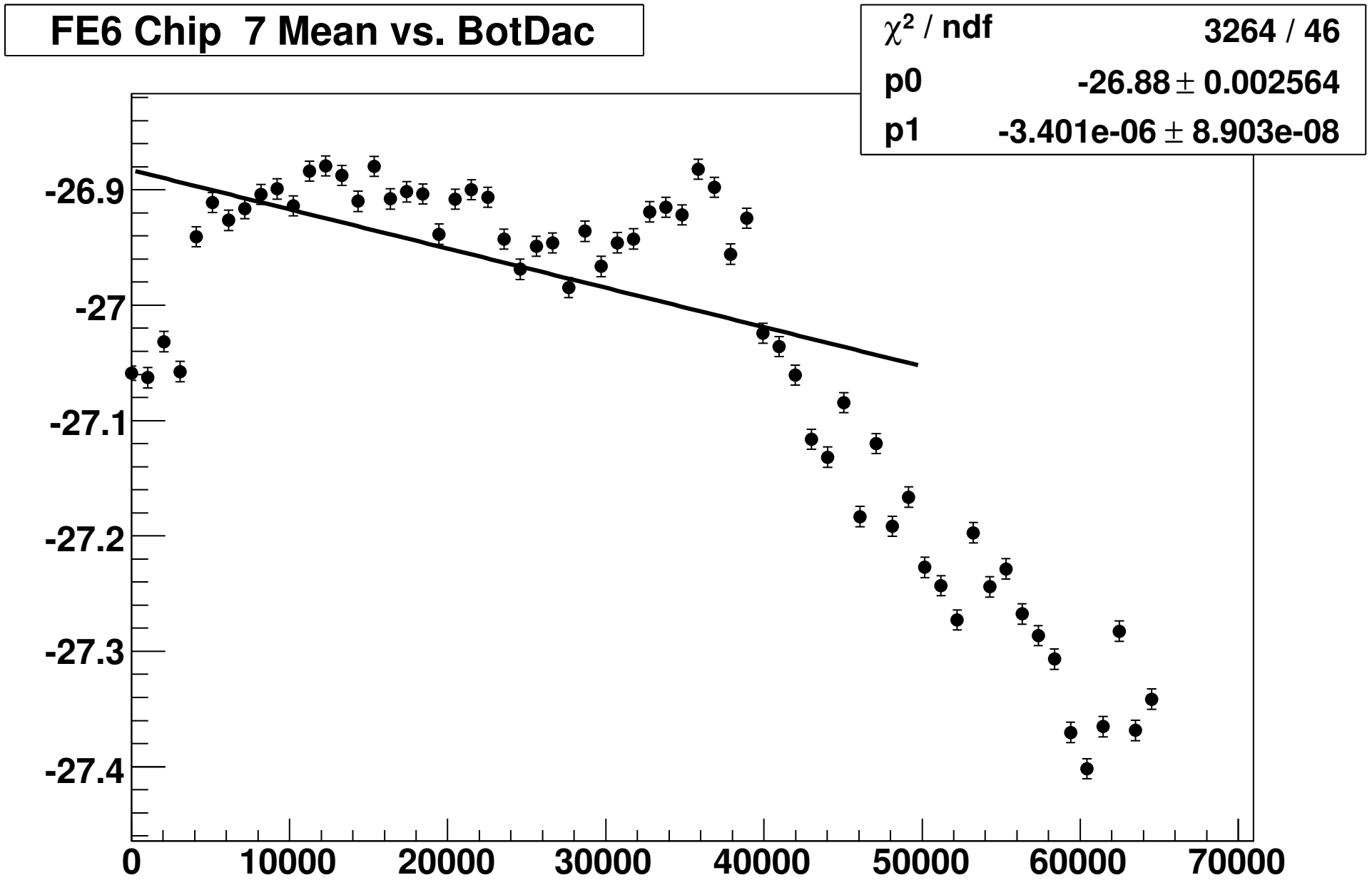

FE6 Chip 5 Rms vs. TopDac
χ² / ndf 74.66 / 46
p0 1.445 ± 0.001357
p1 2.772e-06 ± 6.402e-07
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

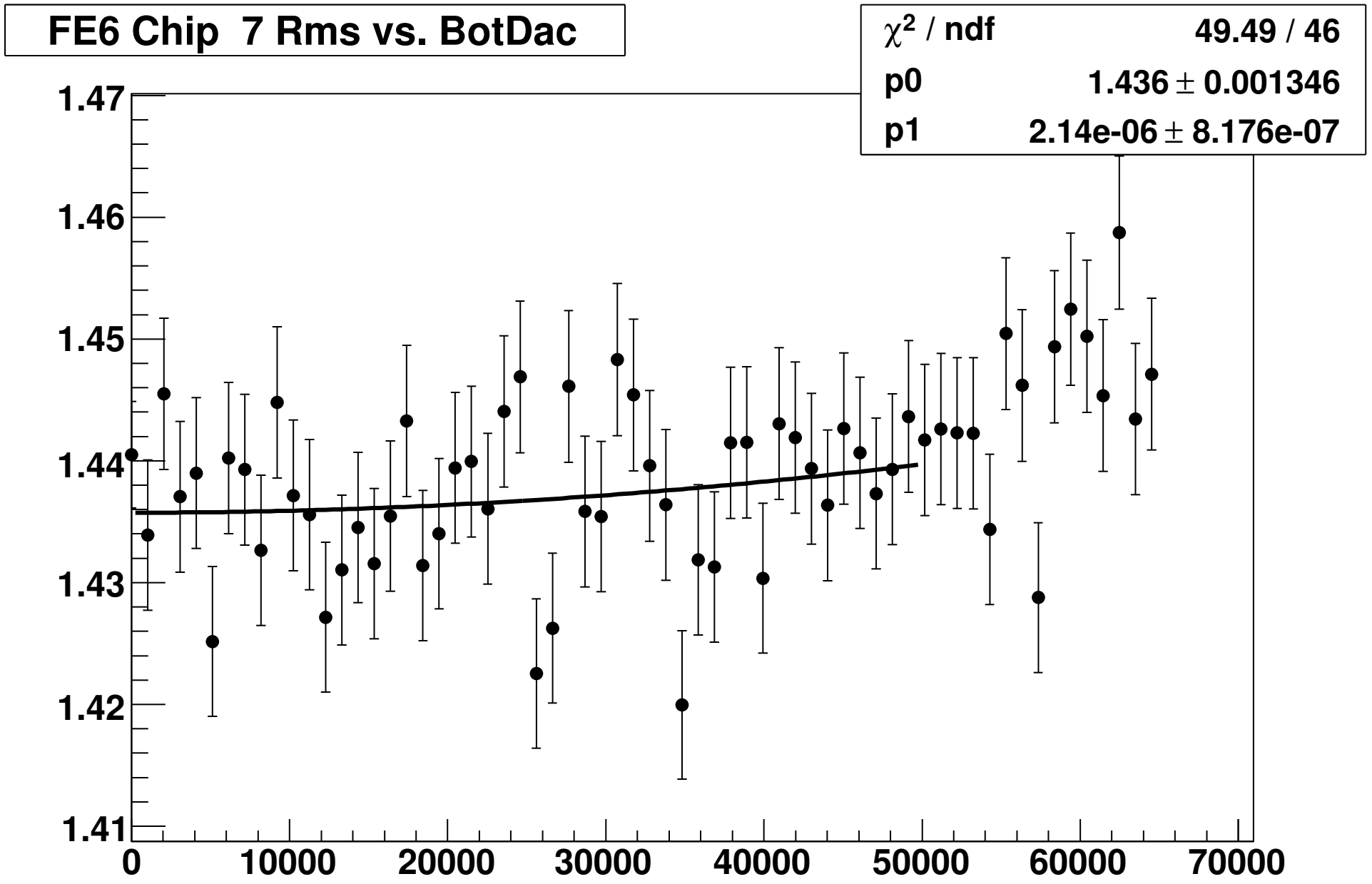

FE6 Chip 6 Mean vs. BotDac
χ² / ndf 3492 / 46
p0 -32.43 ± 0.002708
p1 -3.722e-06 ± 9.389e-08
-32.4
-32.5
-32.6
-32.7
-32.8
-32.9
-33
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 43.16 / 46
p0 1.518 ± 0.0009432
p1 6.639e-14 ± 1.137e-06
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 3.482e+05 / 46
p0 -34.77 ± 0.002634
p1 0.451 ± 1.053e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 2436 / 46
p0 1.339 ± 0.001478
p1 3.476e-05 ± 7.826e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 3264 / 46
p0 -26.88 ± 0.002564
p1 -3.401e-06 ± 8.903e-08
-26.9
-27
-27.1
-27.2
-27.3
-27.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 49.49 / 46
p0 1.436 ± 0.001346
p1 2.14e-06 ± 8.176e-07
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
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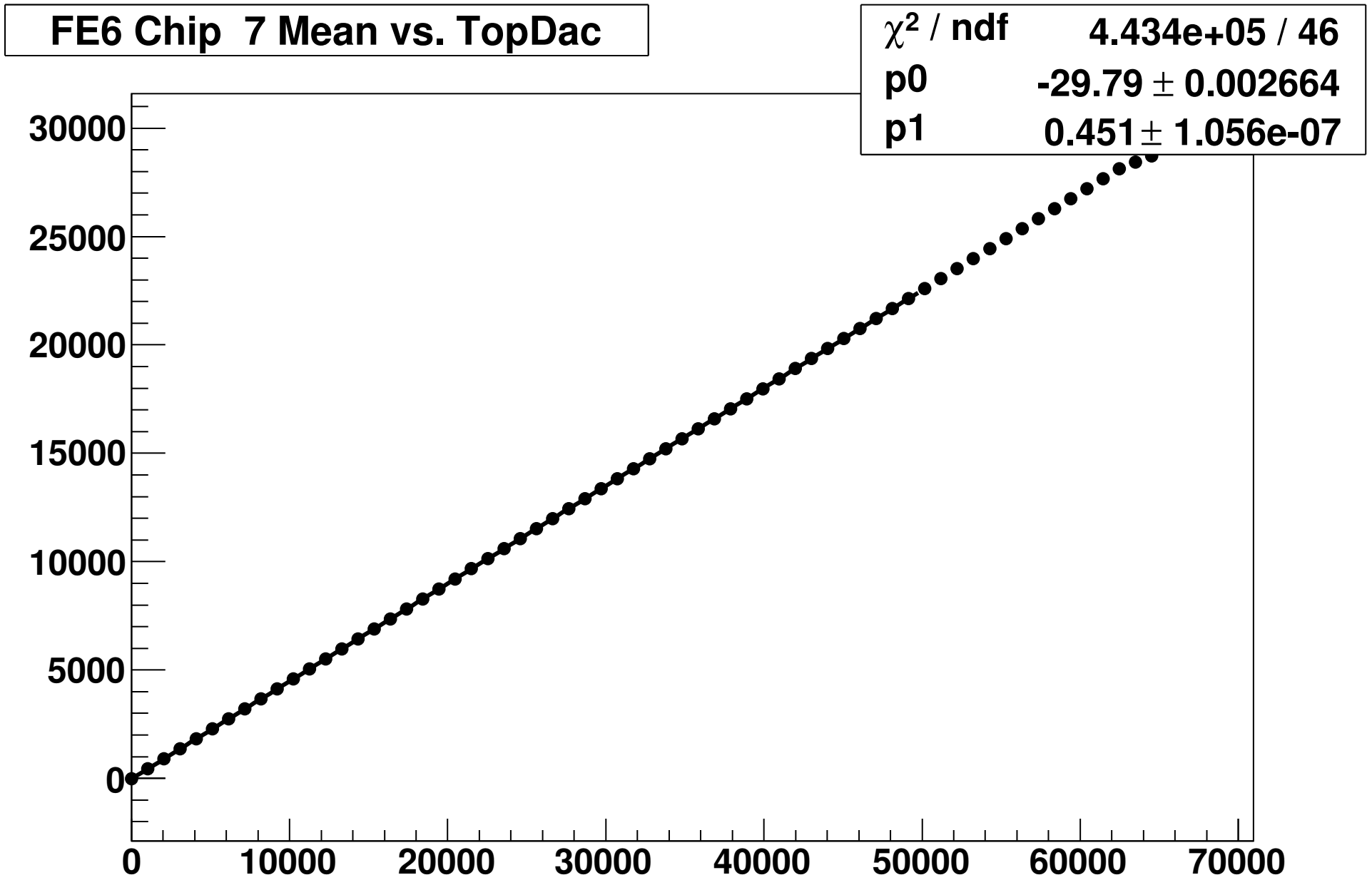
70000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 4.434e+05 / 46
p0 -29.79 ± 0.002664
p1 0.451 ± 1.056e-07
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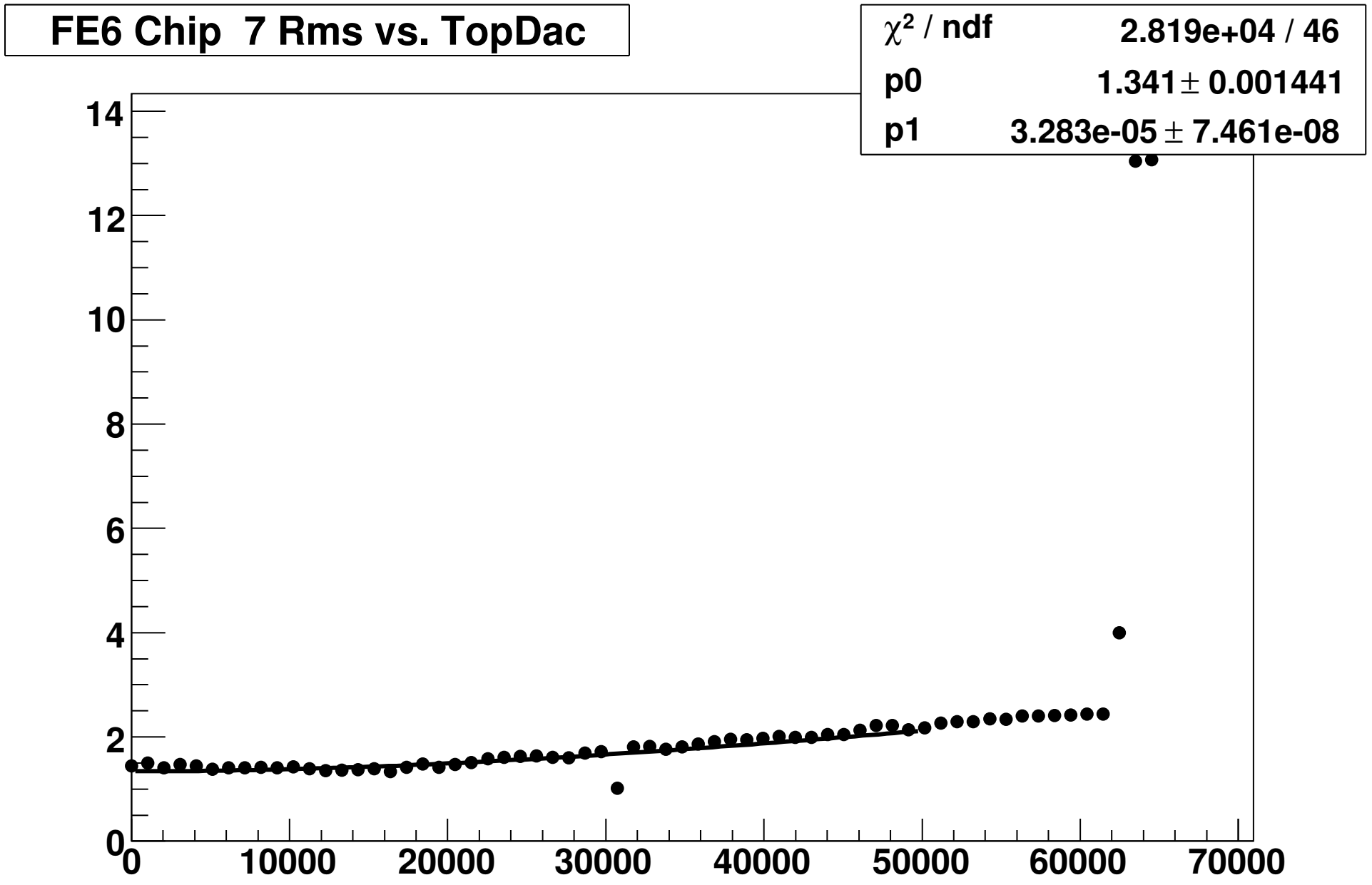
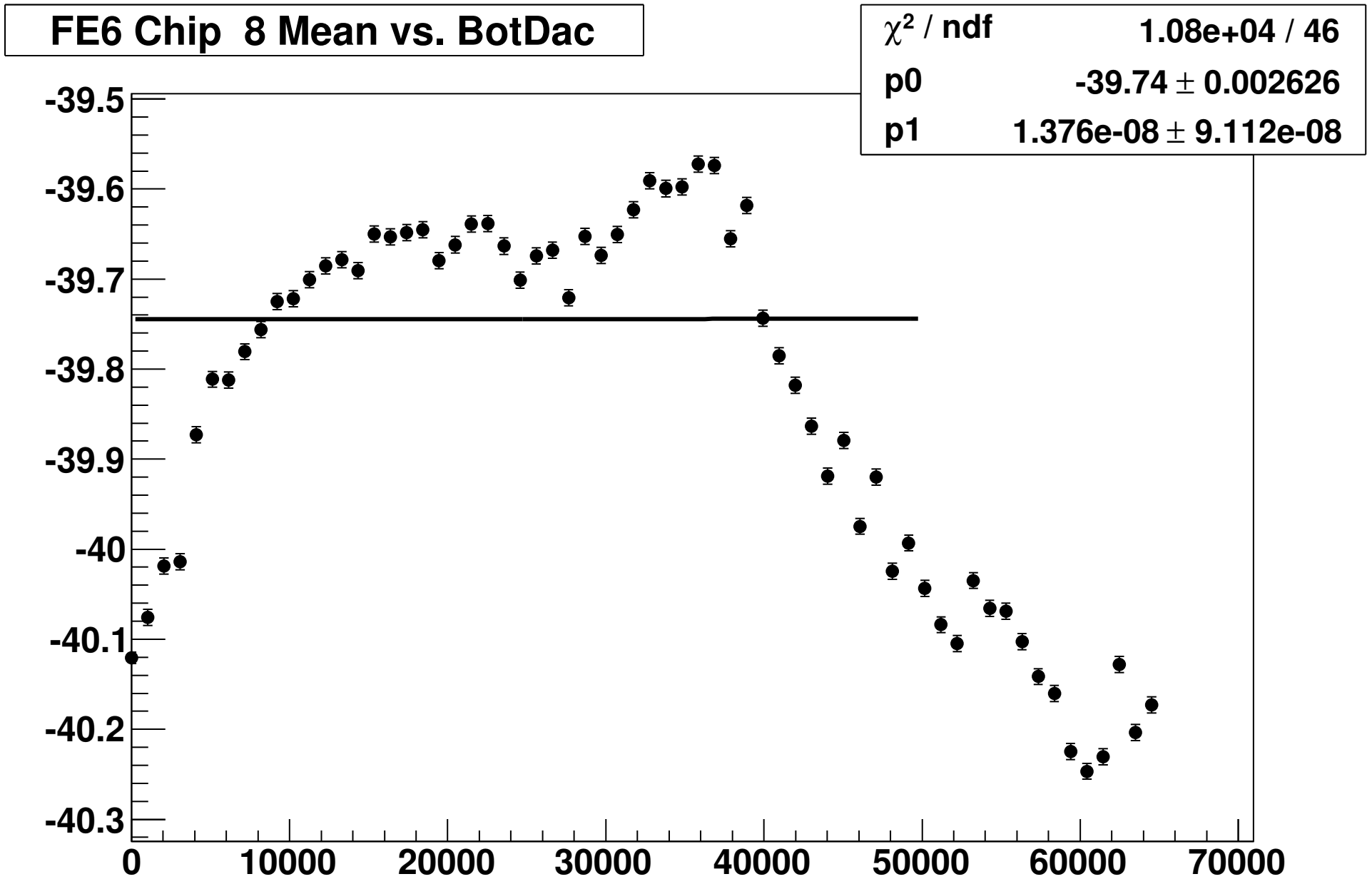
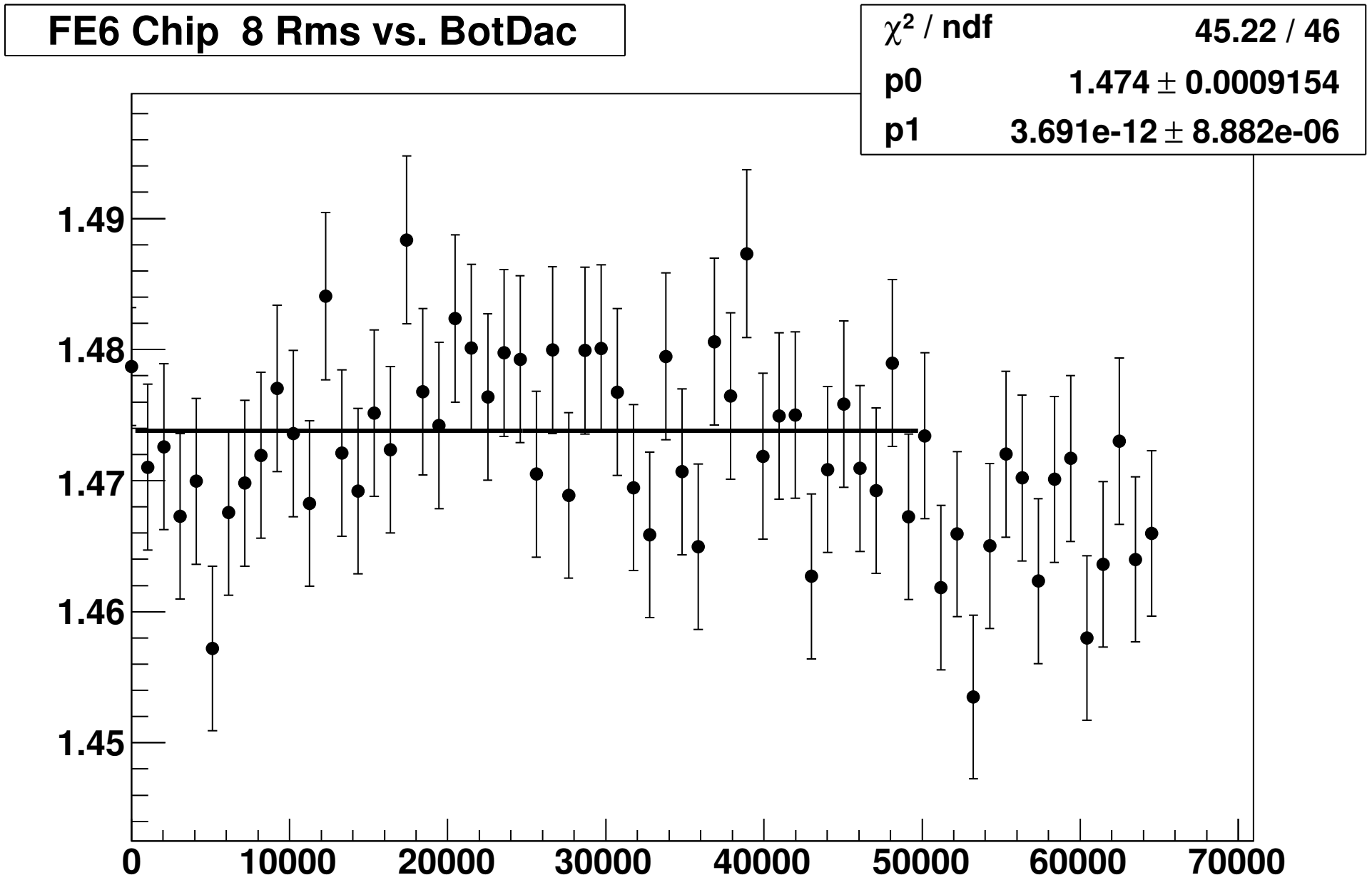
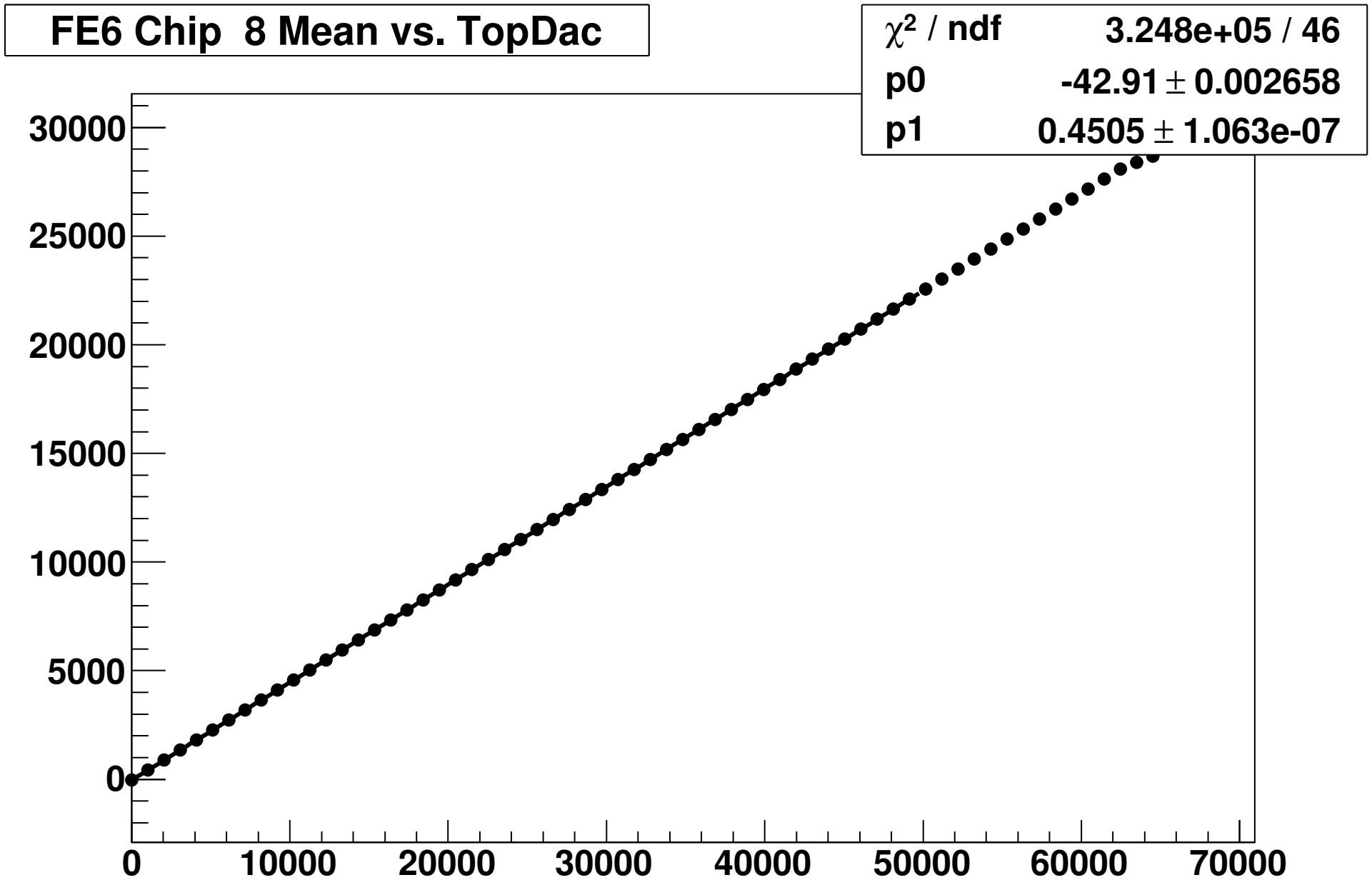
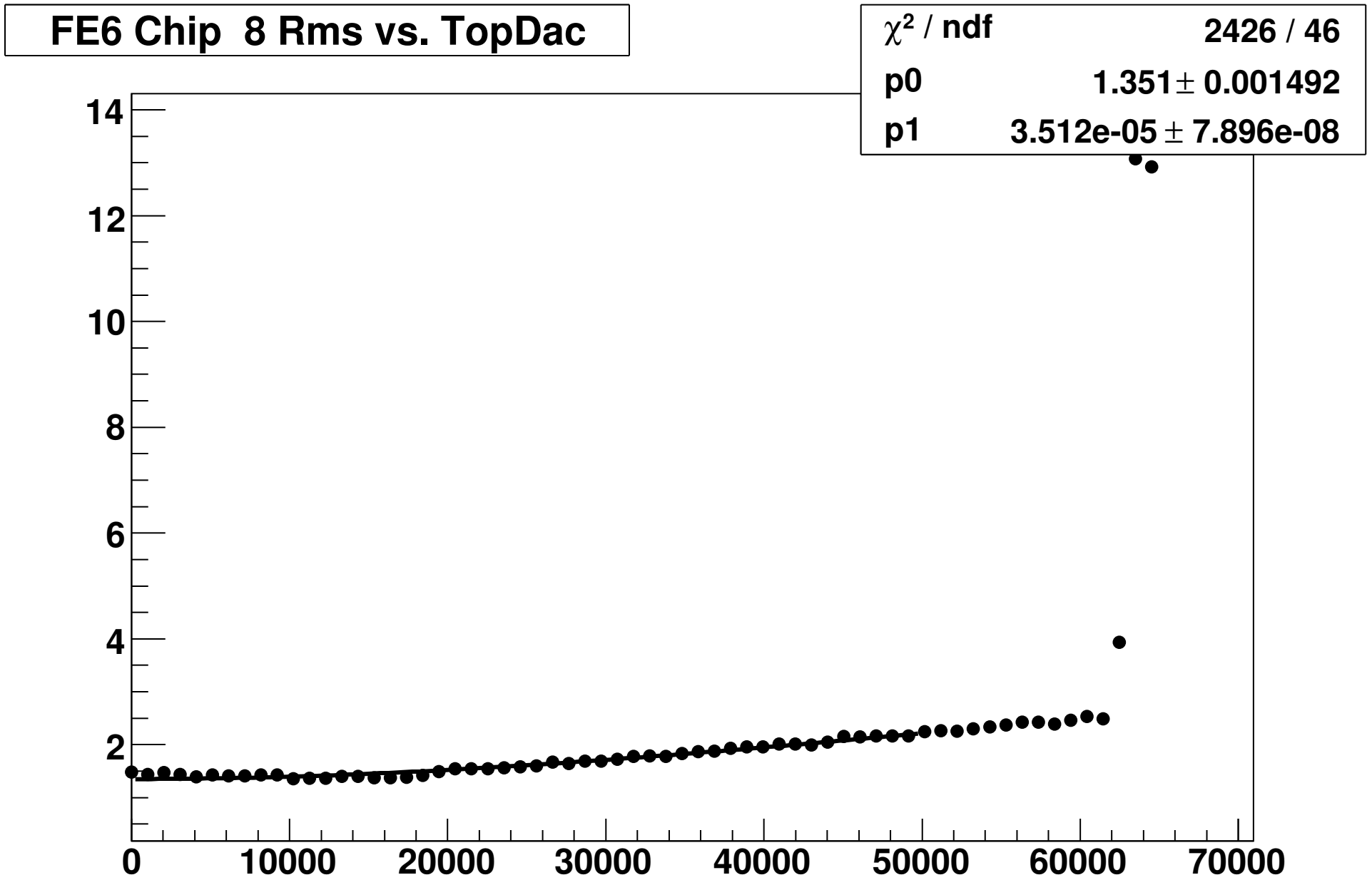
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

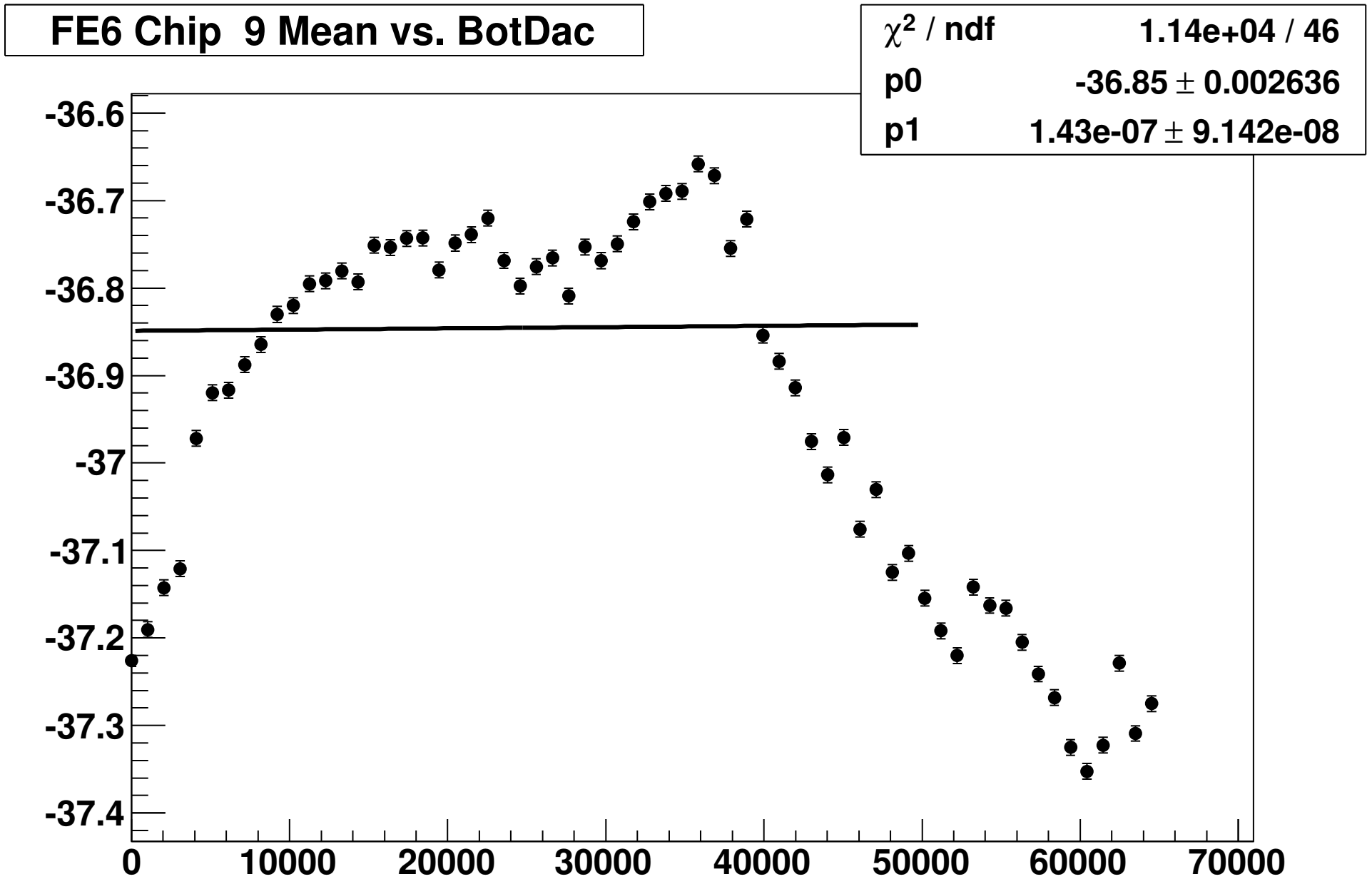

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 2.819e+04 / 46
p0 1.341 ± 0.001441
p1 3.283e-05 ± 7.461e-08
14
12
10
8
6
4
2
0
0
10000
20000
30000
40000
50000
60000
70000

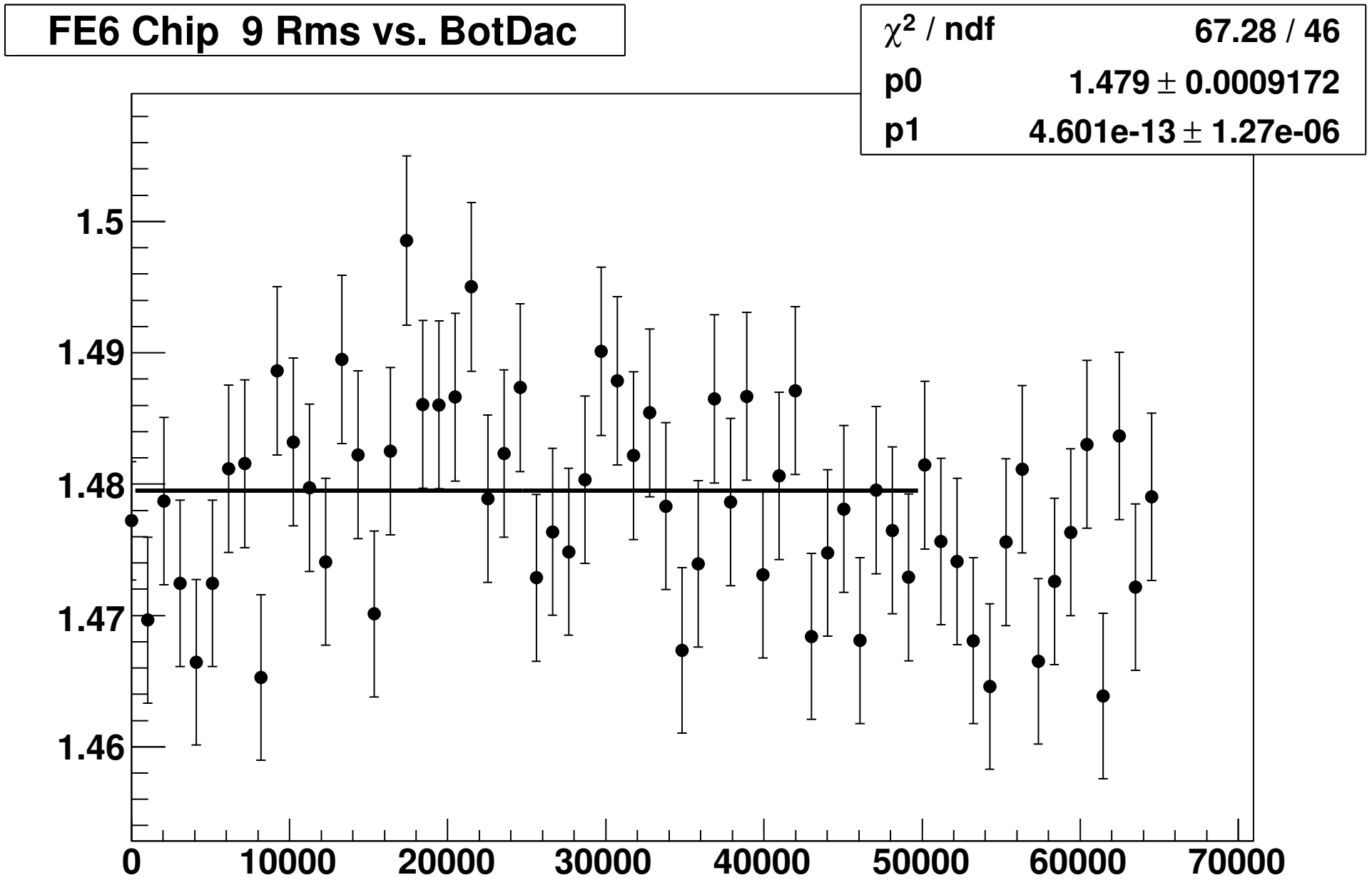

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 1.08e+04 / 46
p0 -39.74 ± 0.002626
p1 1.376e-08 ± 9.112e-08
-39.5
-39.6
-39.7
-39.8
-39.9
-40
-40.1
-40.2
-40.3
0
10000
20000
30000
40000
50000
60000
70000

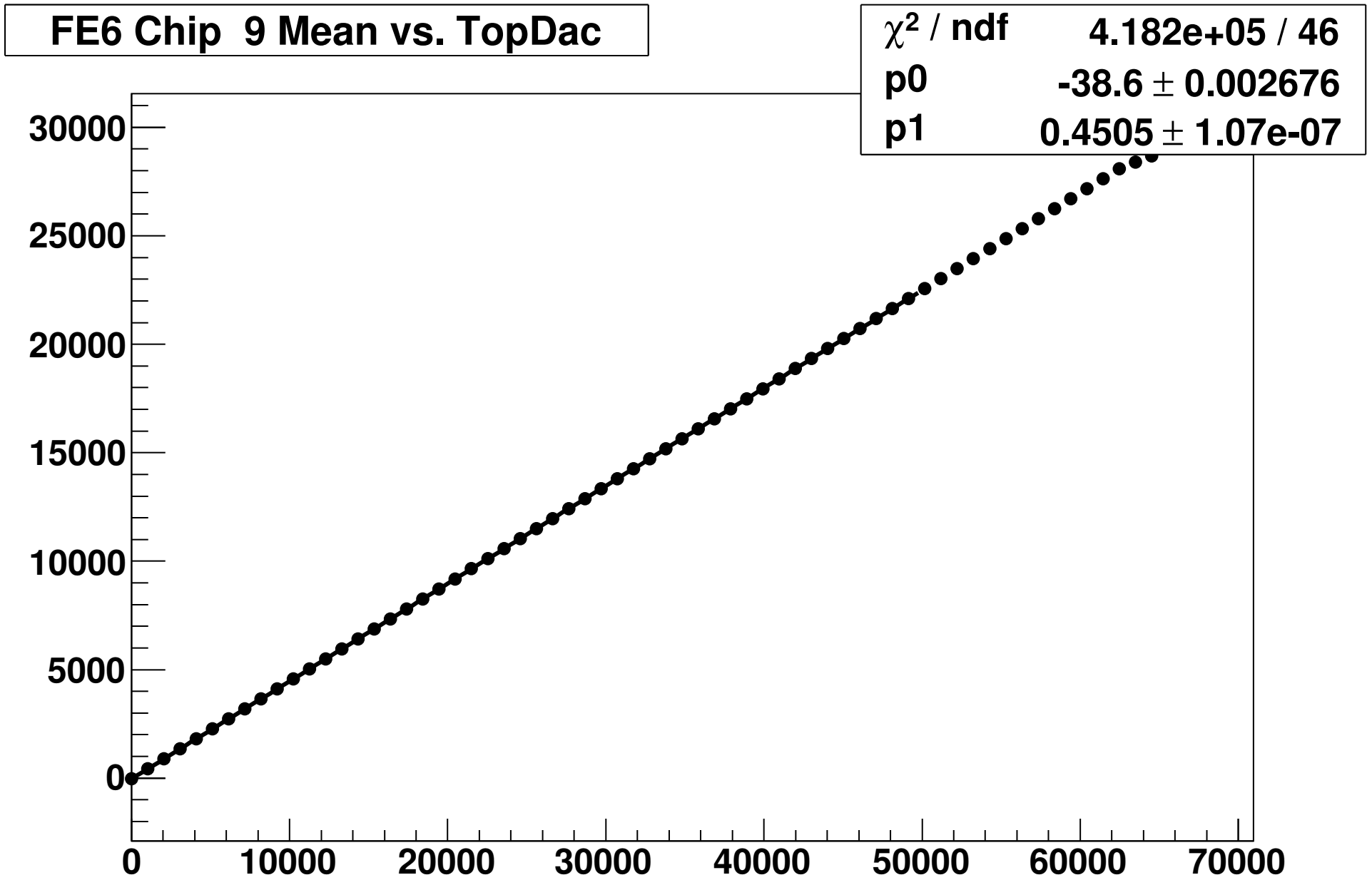

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 45.22 / 46
p0 1.474 ± 0.0009154
p1 3.691e-12 ± 8.882e-06
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

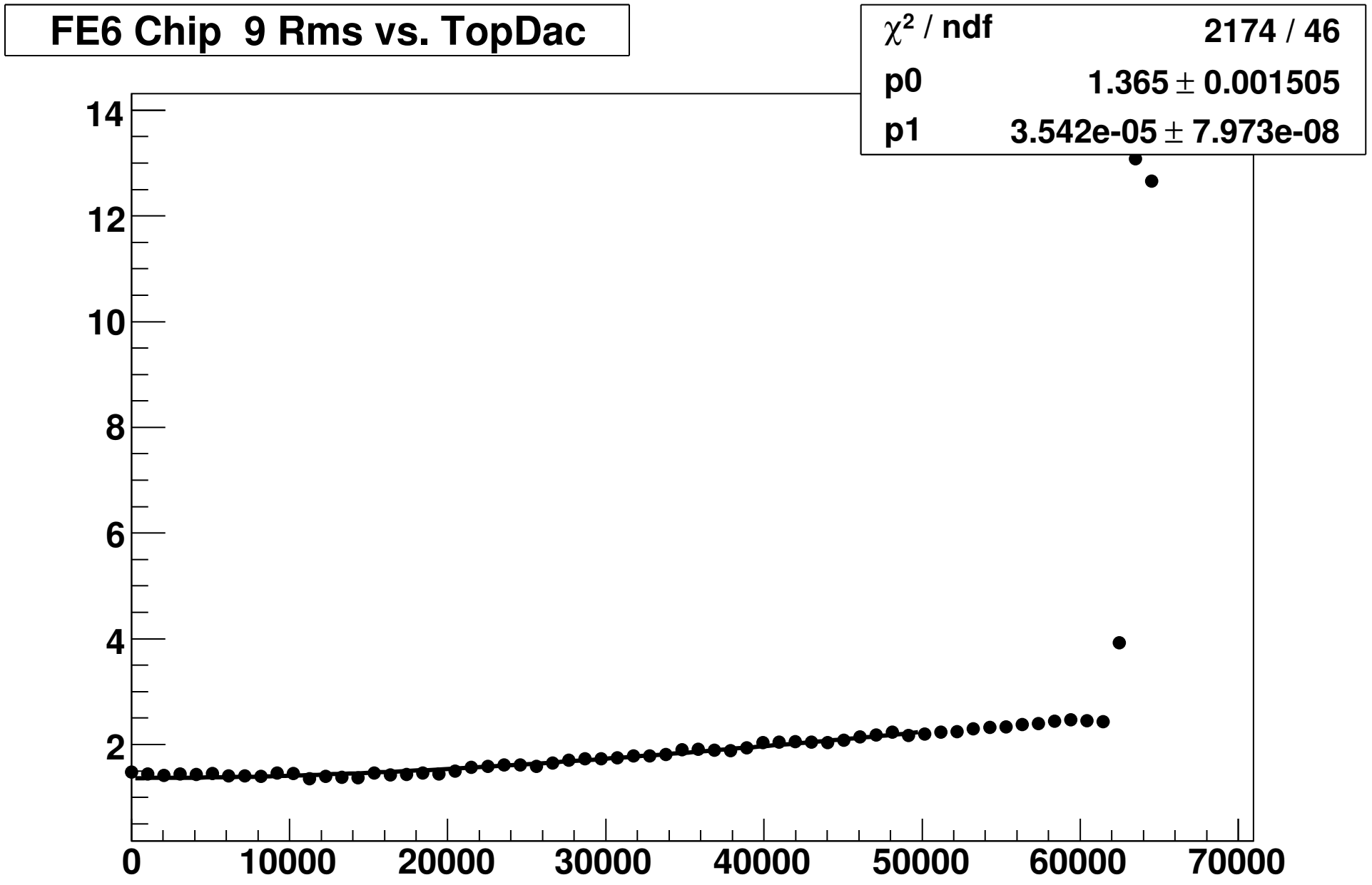

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 3.248e+05 / 46
p0 -42.91 ± 0.002658
p1 0.4505 ± 1.063e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

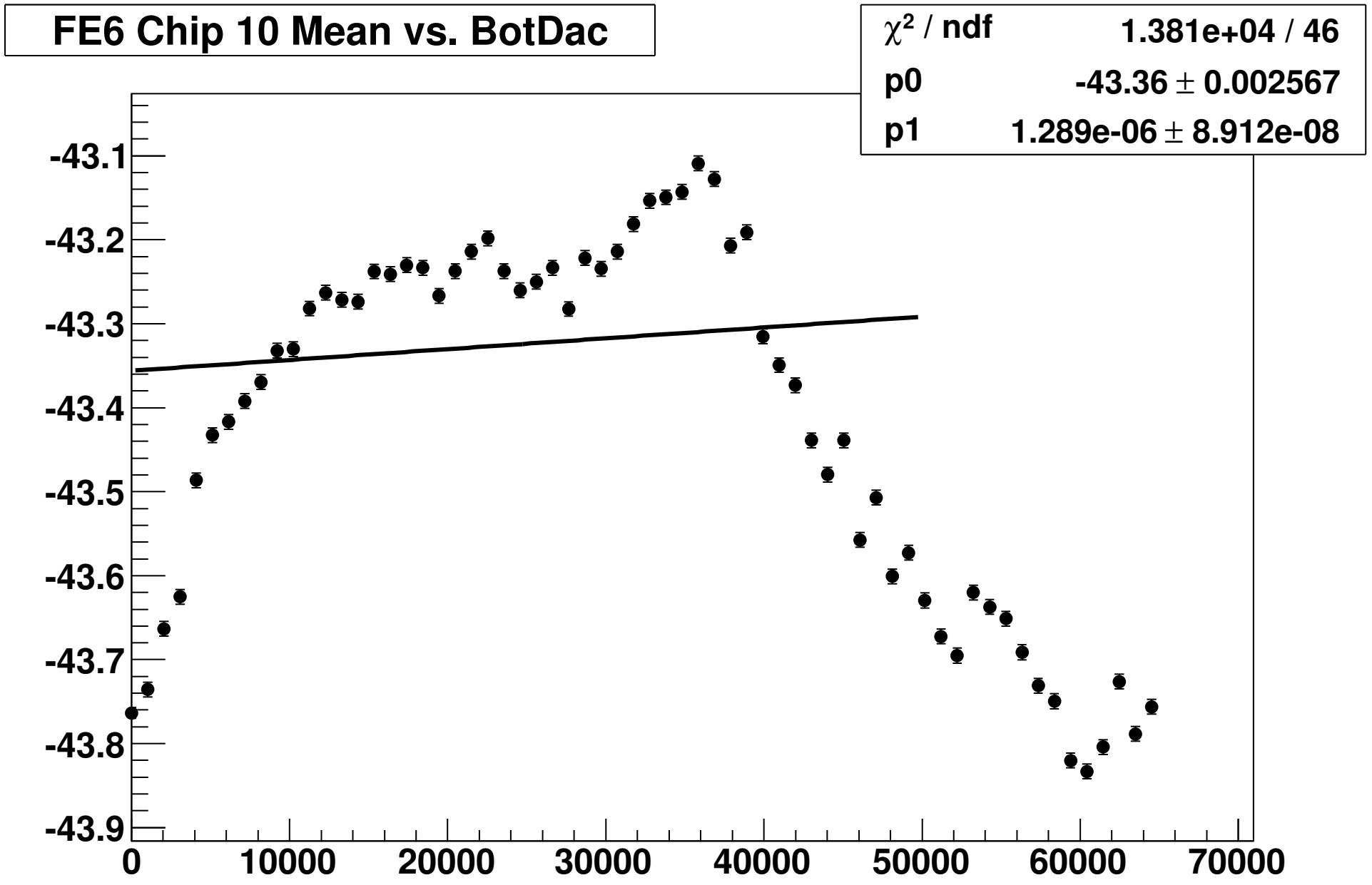

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 2426 / 46
p0 1.351 ± 0.001492
p1 3.512e-05 ± 7.896e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 1.14e+04 / 46
p0 -36.85 ± 0.002636
p1 1.43e-07 ± 9.142e-08
-36.6
-36.7
-36.8
-36.9
-37
-37.1
-37.2
-37.3
-37.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 67.28 / 46
p0 1.479 ± 0.0009172
p1 4.601e-13 ± 1.27e-06
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. TopDac
χ² / ndf 4.182e+05 / 46
p0 -38.6 ± 0.002676
p1 0.4505 ± 1.07e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 2174 / 46
p0 1.365 ± 0.001505
p1 3.542e-05 ± 7.973e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 1.381e+04 / 46
p0 -43.36 ± 0.002567
p1 1.289e-06 ± 8.912e-08
-43.1
-43.2
-43.3
-43.4
-43.5
-43.6
-43.7
-43.8
-43.9
0
10000
20000
30000
40000
50000
60000
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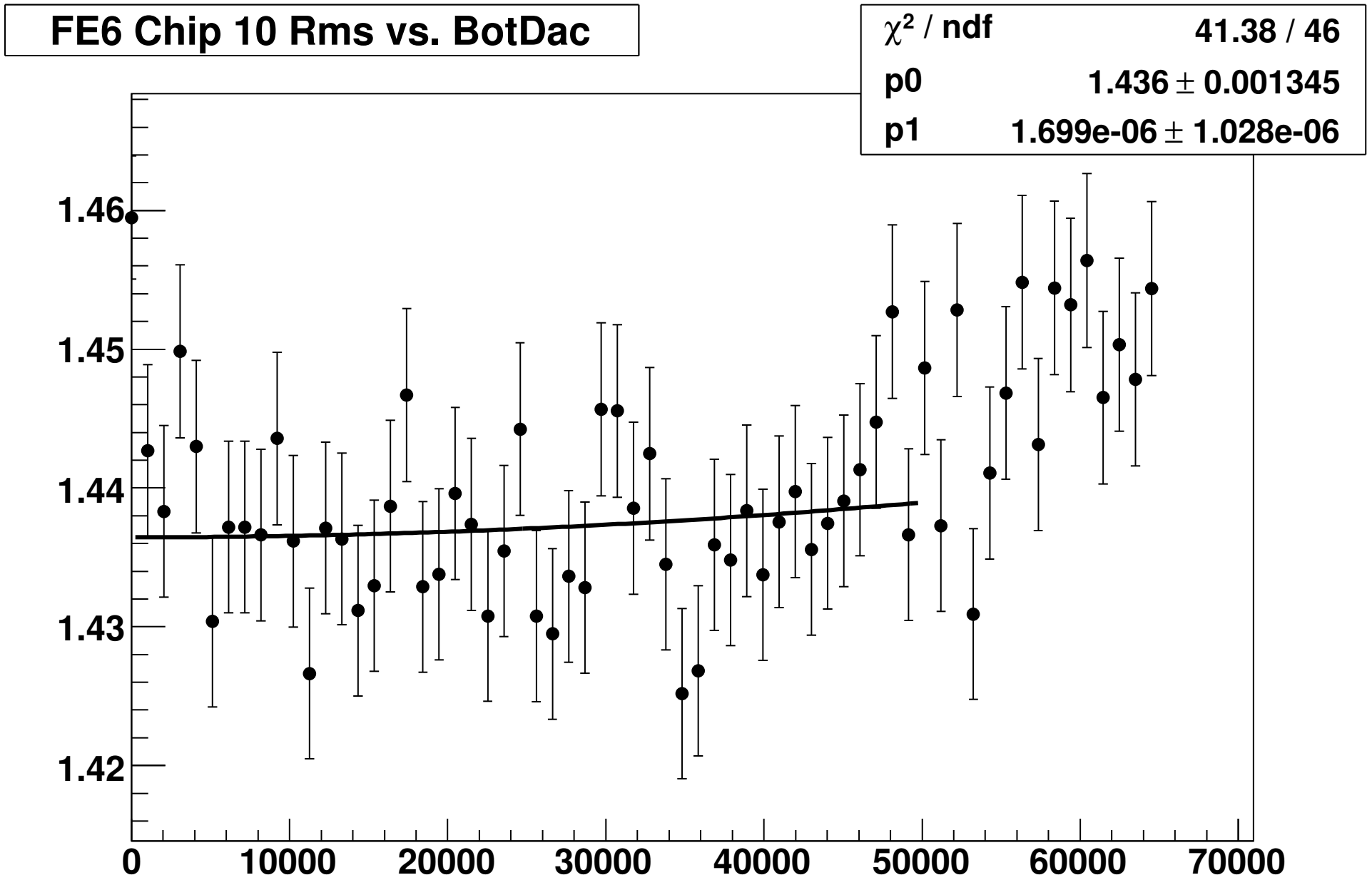
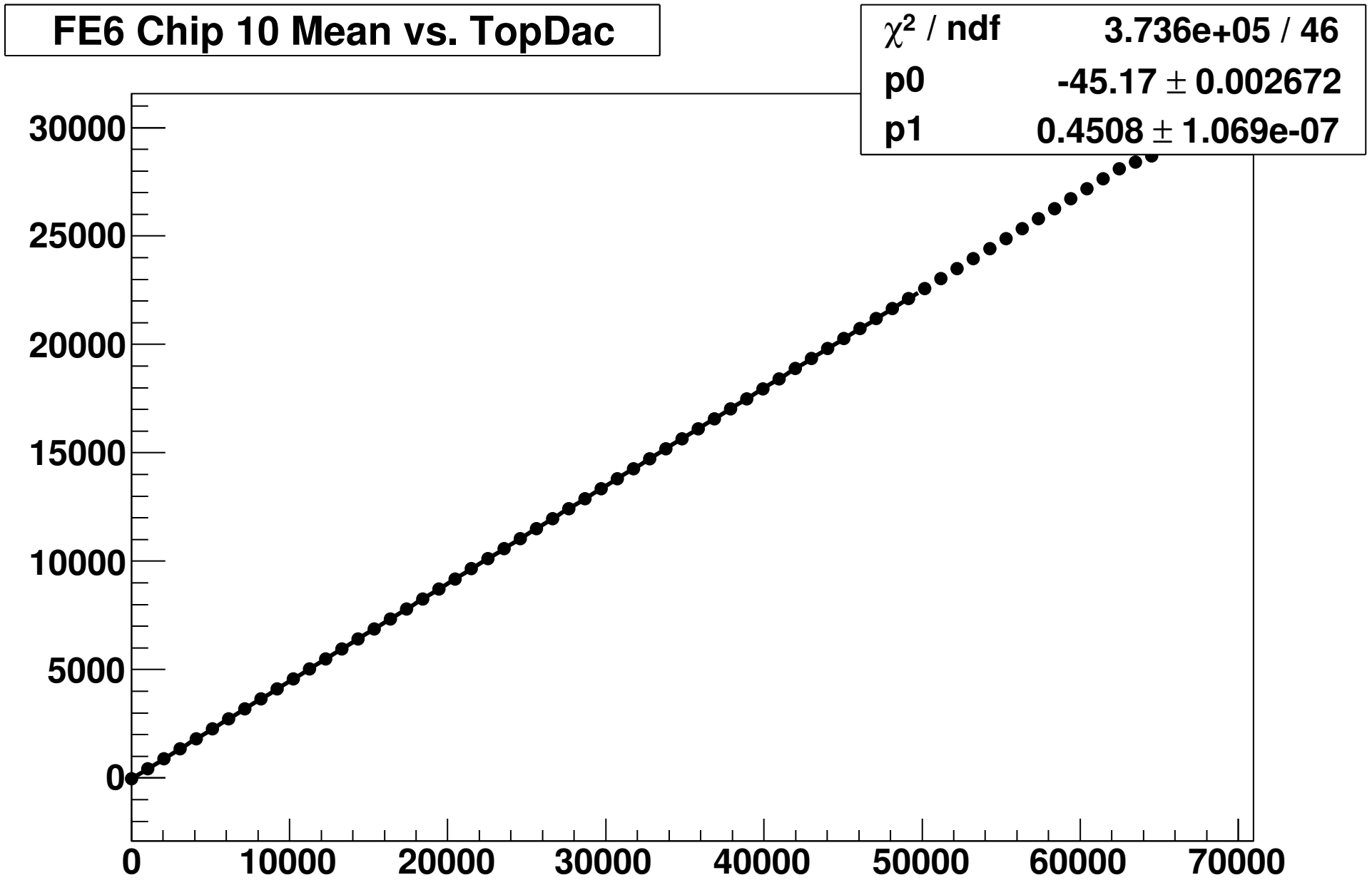

FE6 Chip 10 Rms vs. BotDac
χ² / ndf 41.38 / 46
p0 1.436 ± 0.001345
p1 1.699e-06 ± 1.028e-06
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 3.736e+05 / 46
p0 -45.17 ± 0.002672
p1 0.4508 ± 1.069e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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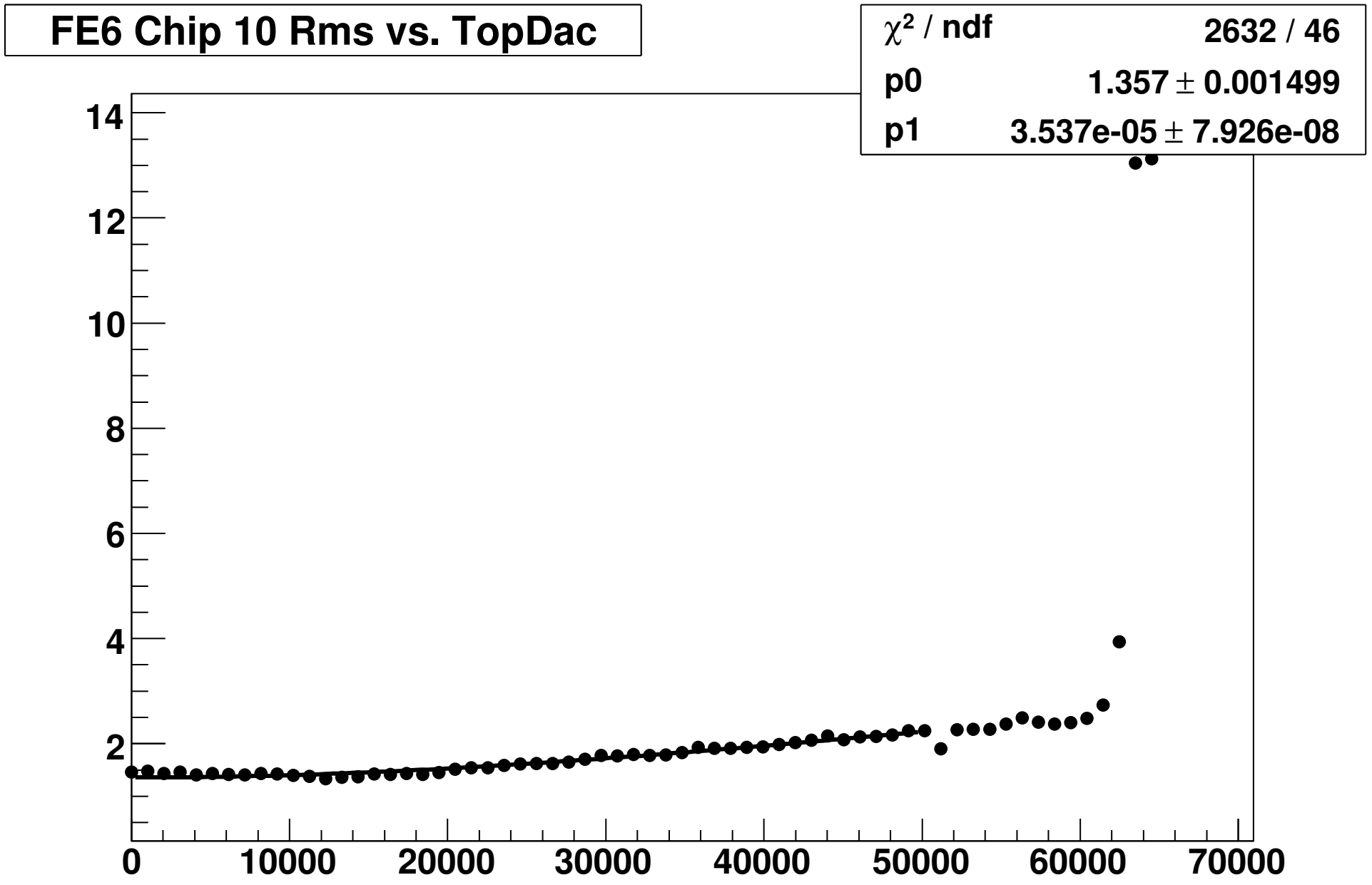
FE6 Chip 10 Rms vs. TopDac
χ² / ndf 2632 / 46
p0 1.357 ± 0.001499
p1 3.537e-05 ± 7.926e-08
14
12
10
8
6
4
2
0
10000
20000
30000
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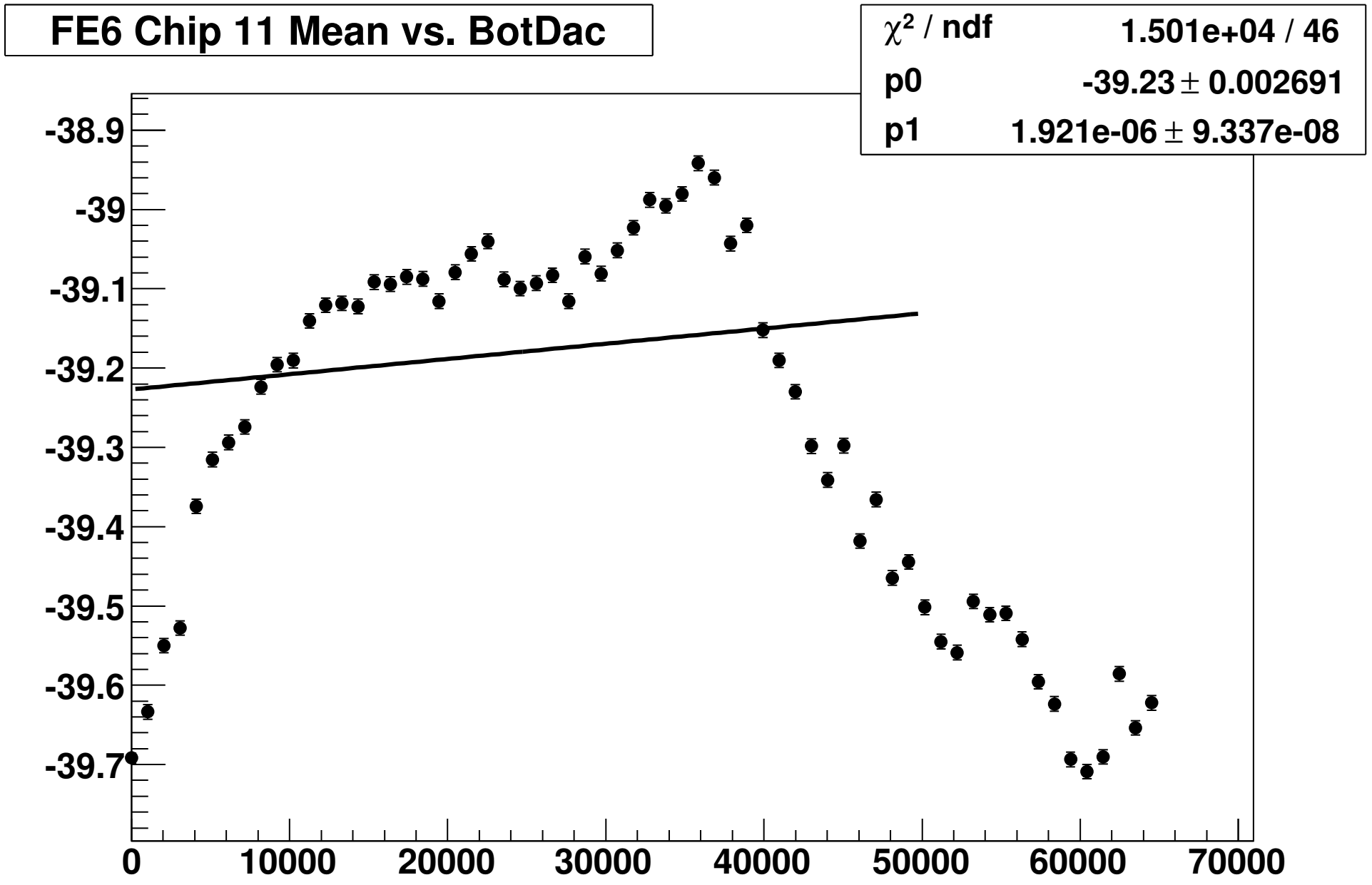
50000
60000
70000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 1.501e+04 / 46
p0 -39.23 ± 0.002691
p1 1.921e-06 ± 9.337e-08
-38.9
-39
-39.1
-39.2
-39.3
-39.4
-39.5
-39.6
-39.7
0
10000
20000
30000
40000
50000
60000
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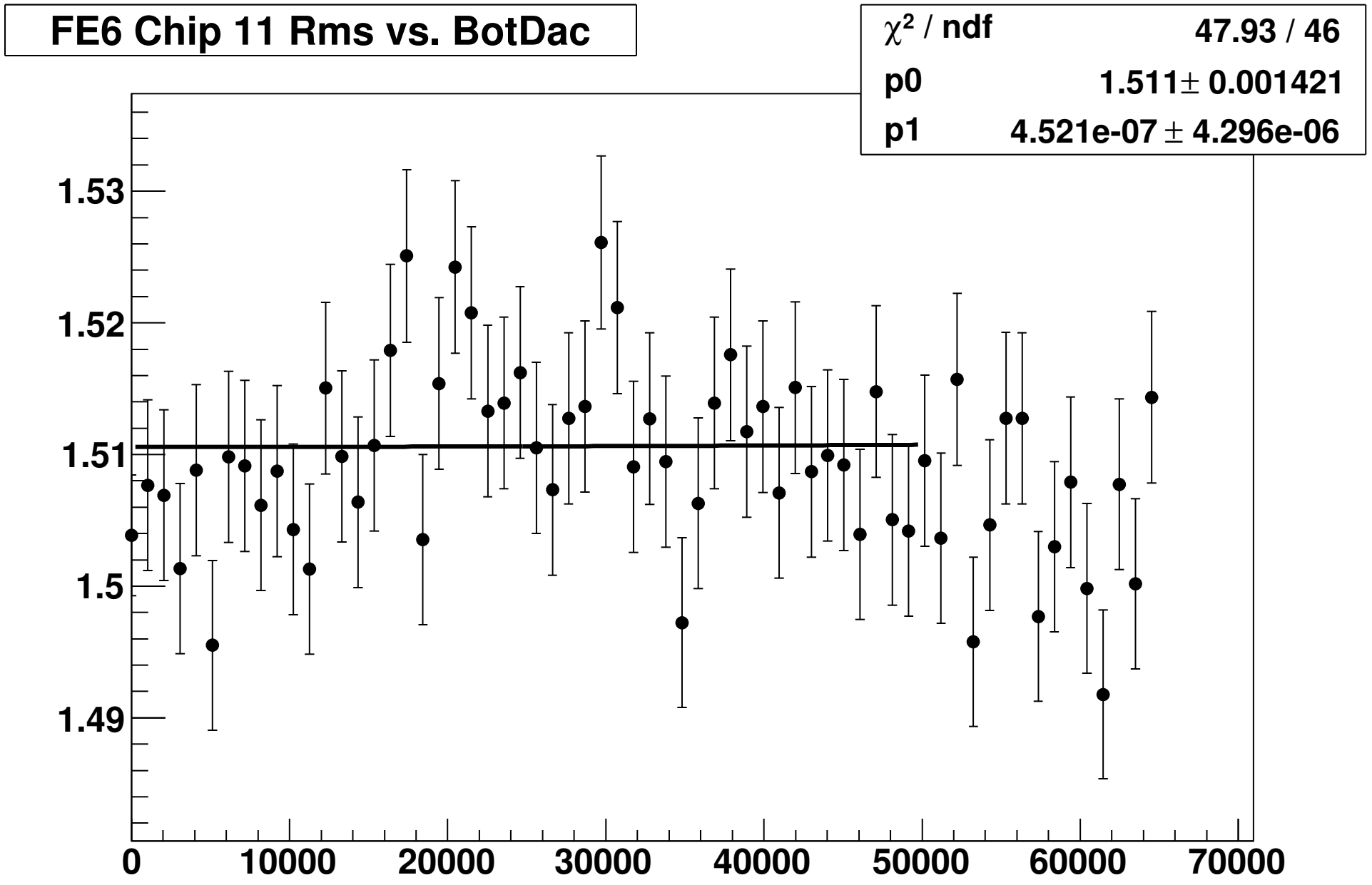
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 47.93 / 46
p0 1.511± 0.001421
p1 4.521e-07 ± 4.296e-06
1.53
1.52
1.51
1.5
1.49
0
10000
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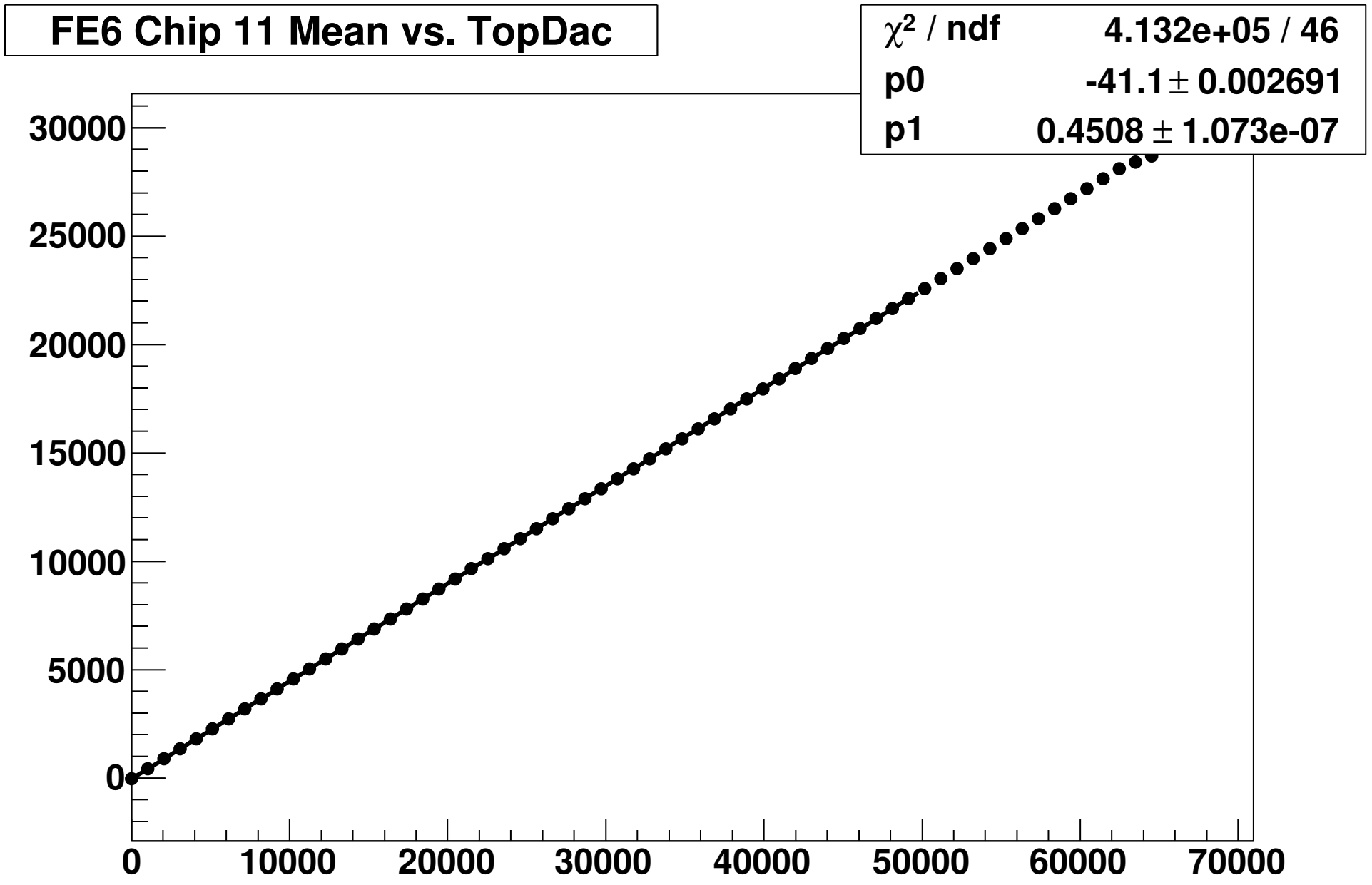
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. TopDac
χ² / ndf 4.132e+05 / 46
p0 -41.1 ± 0.002691
p1 0.4508 ± 1.073e-07
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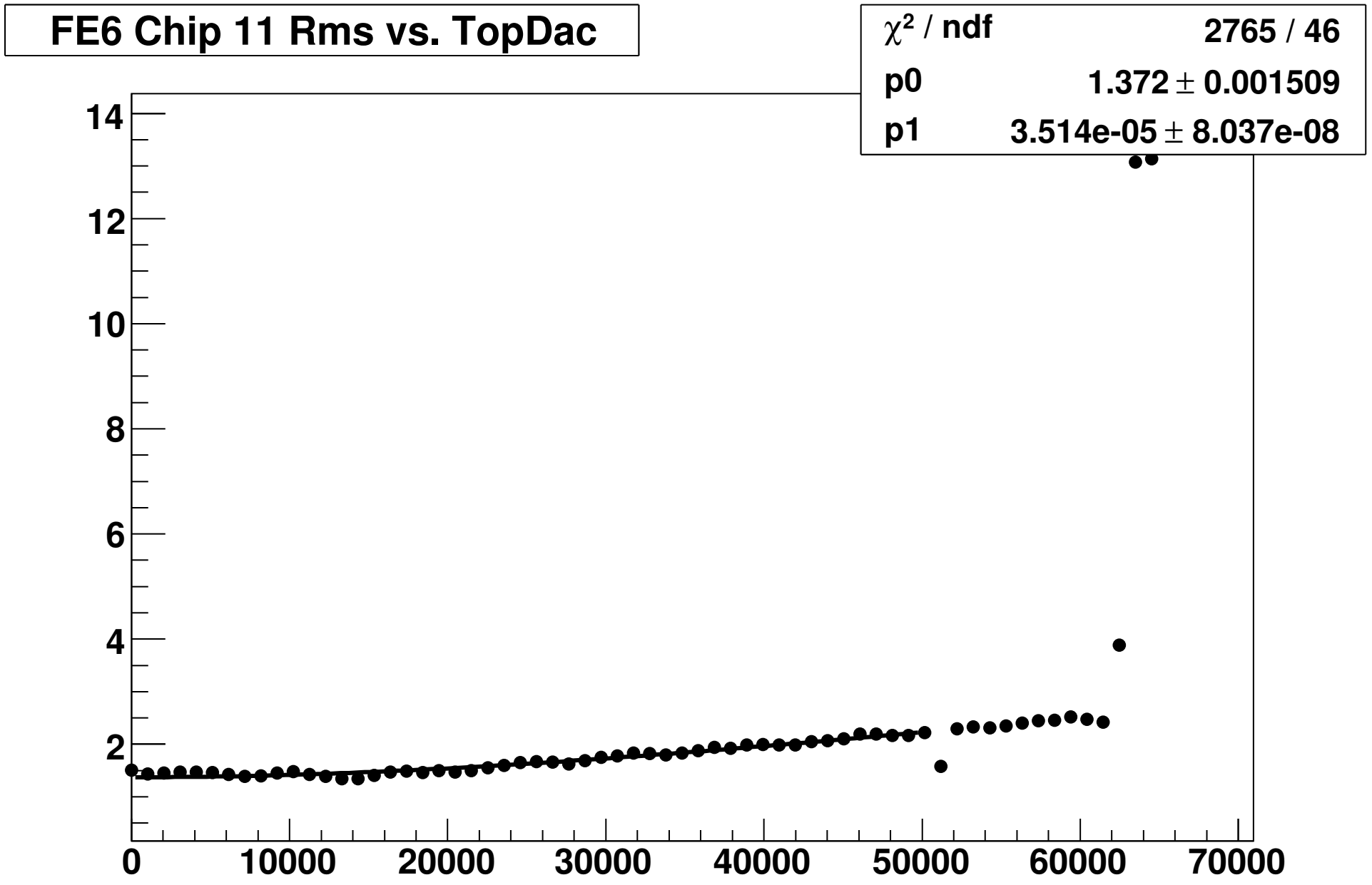
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 2765 / 46
p0 1.372 ± 0.001509
p1 3.514e-05 ± 8.037e-08
14
12
10
8
6
4
2
0
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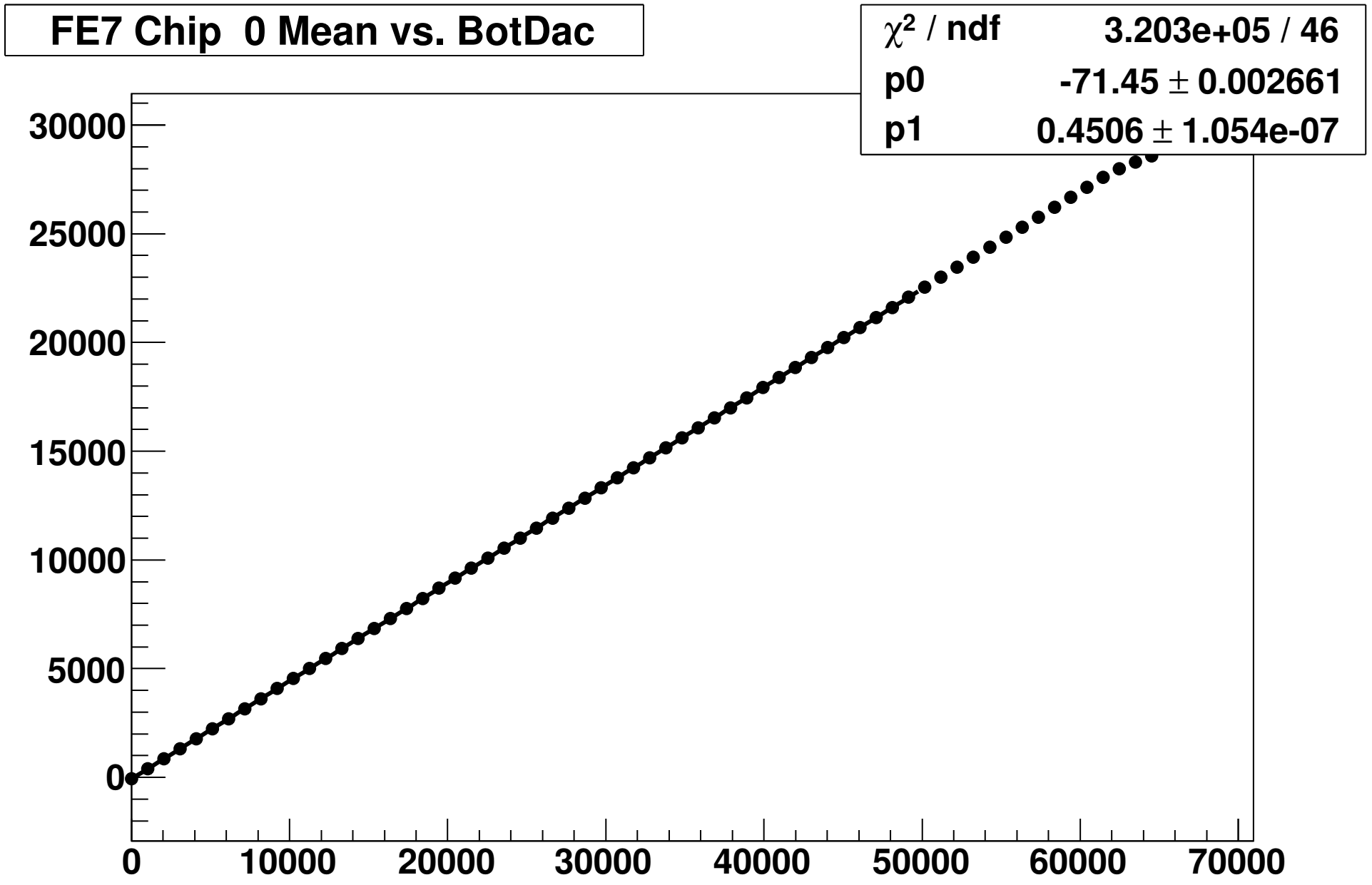
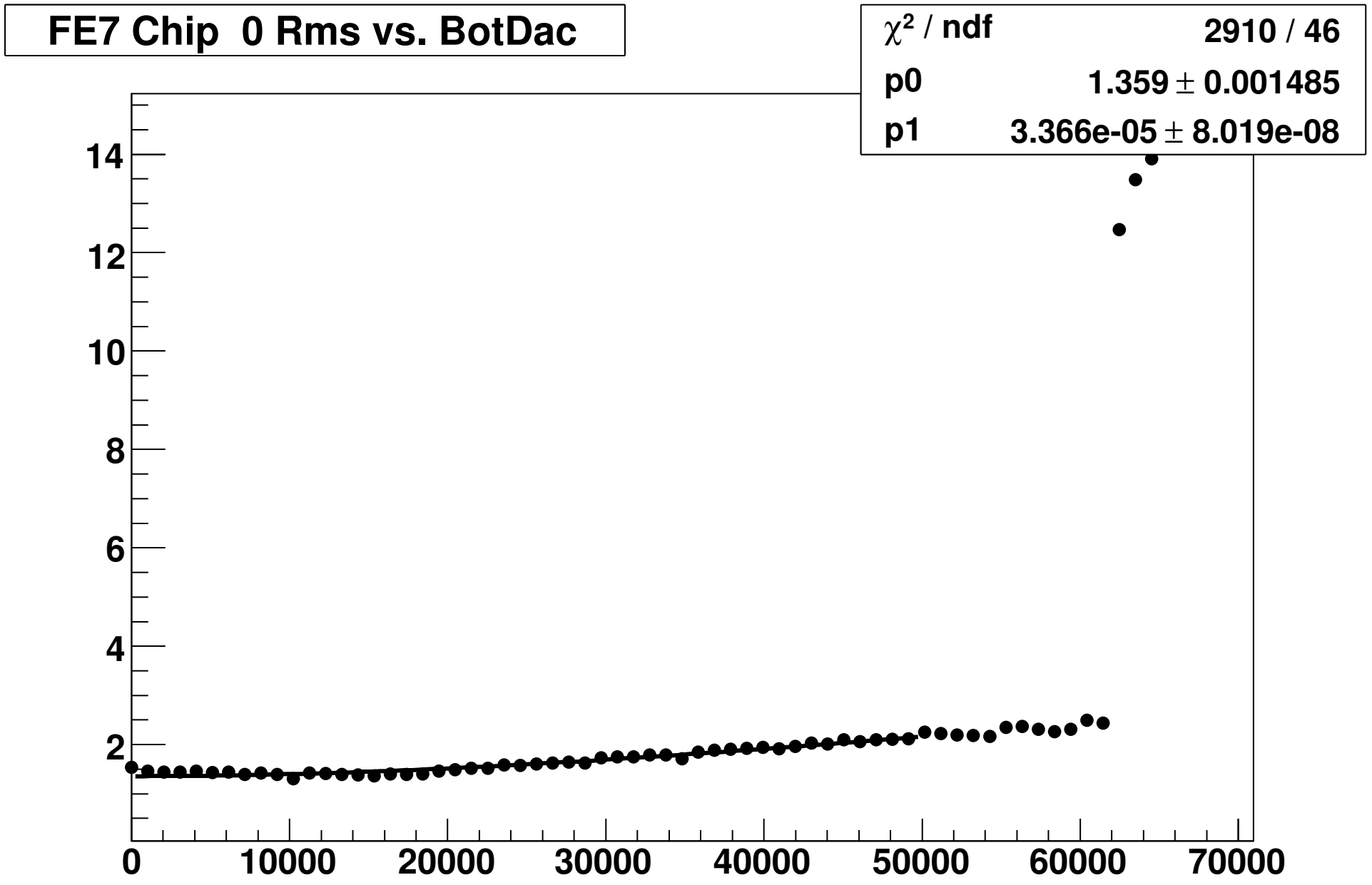
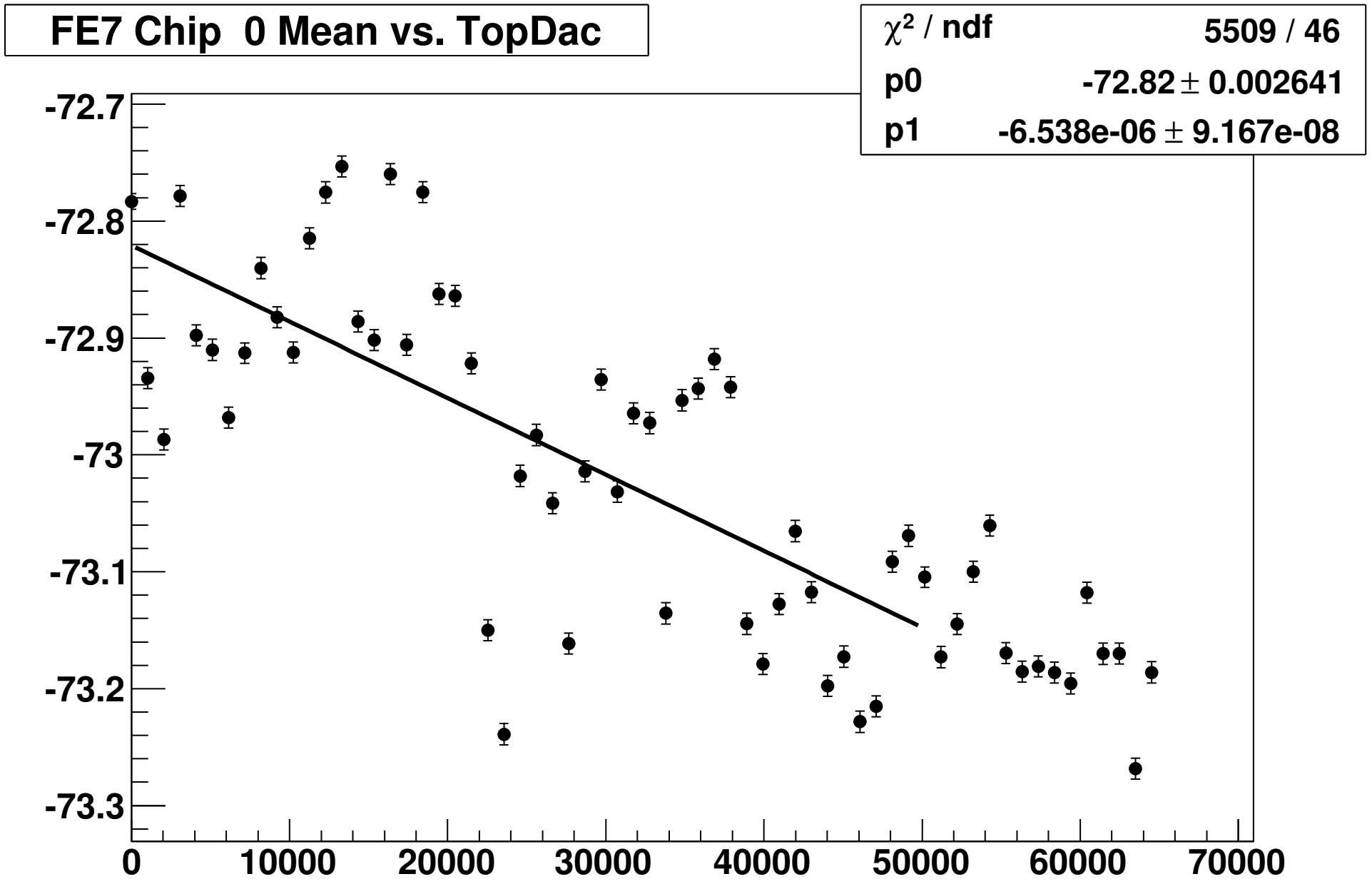
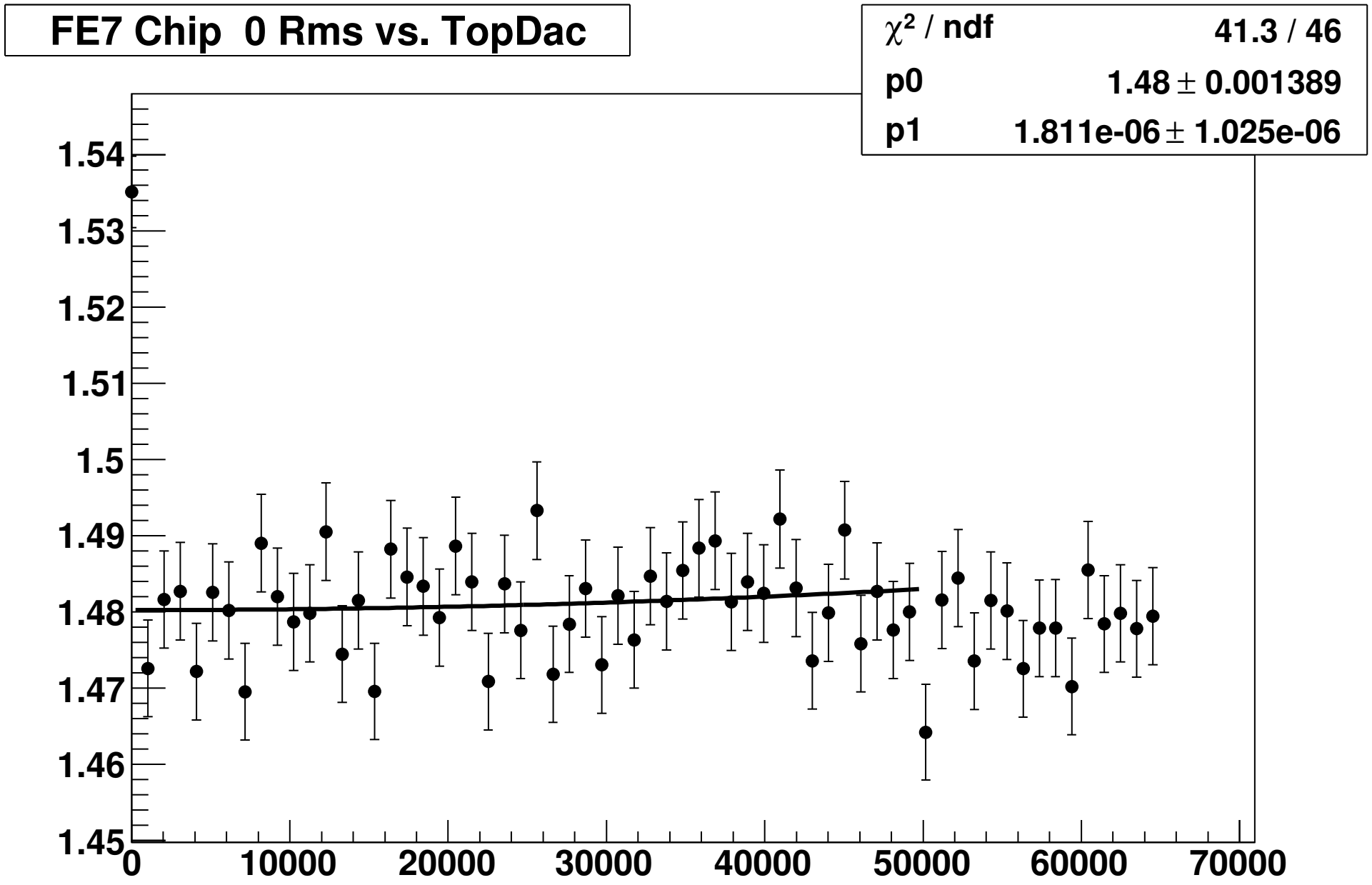
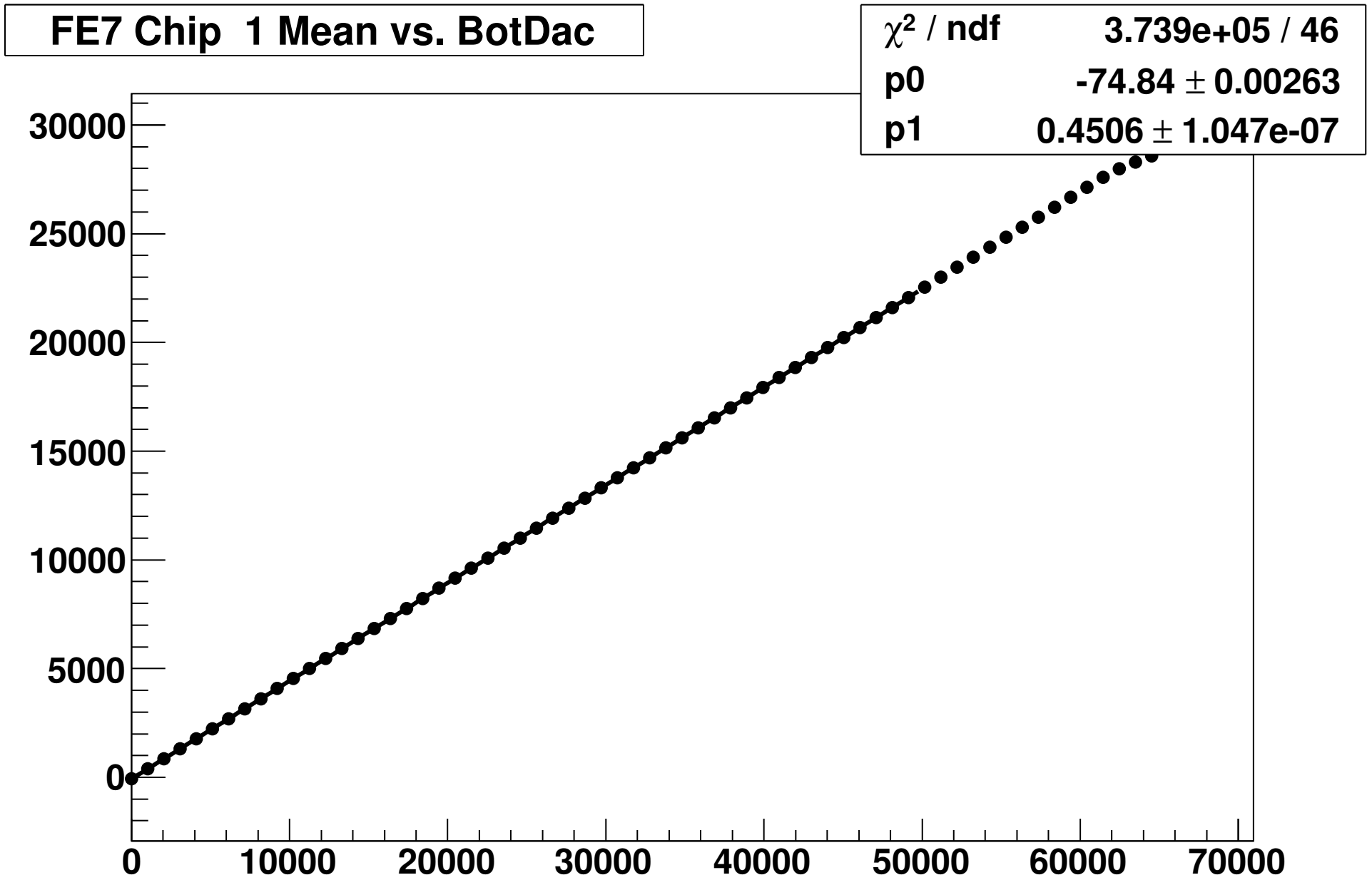
60000
70000

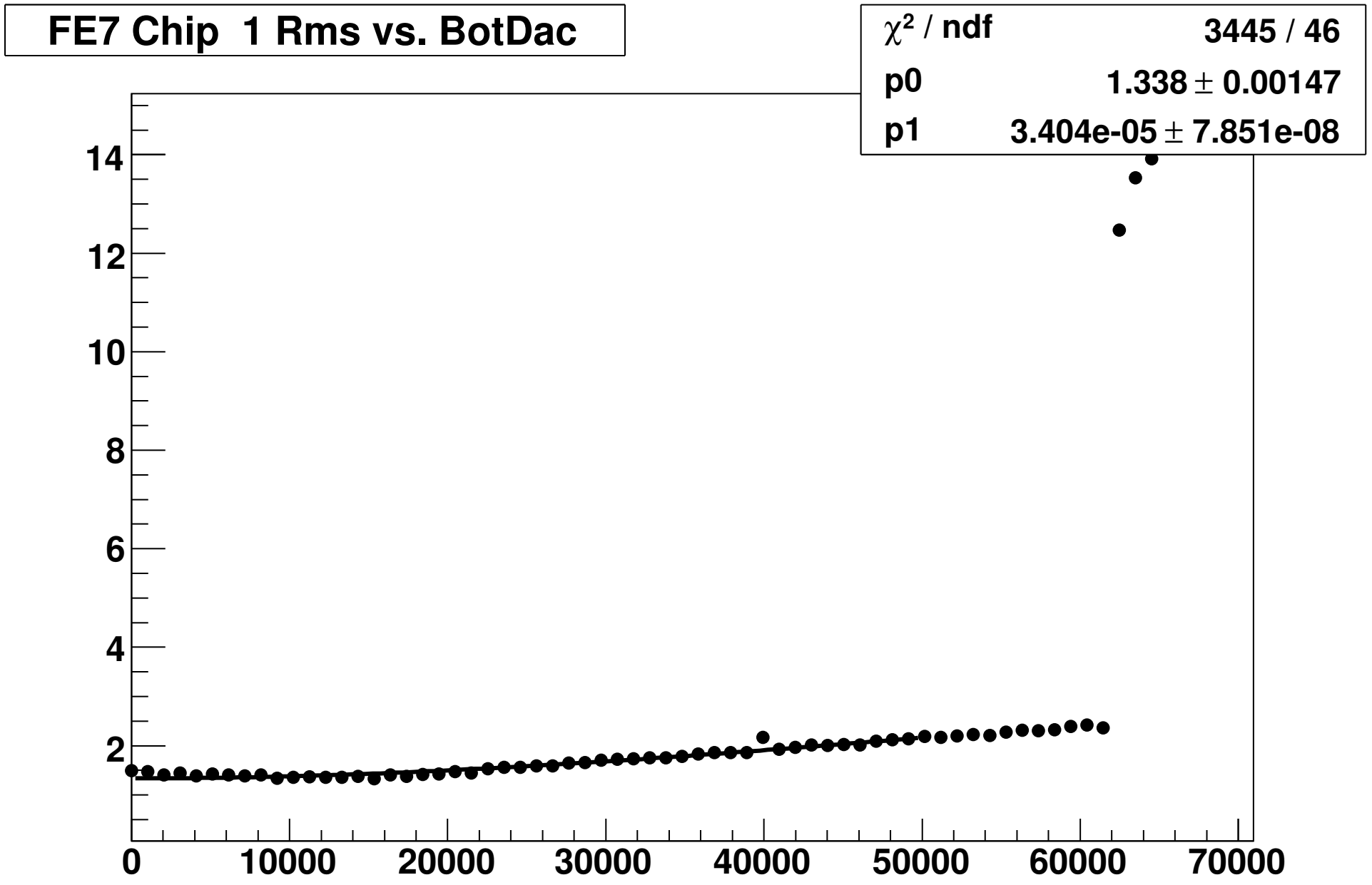

FE7 Chip 0 Mean vs. BotDac
χ² / ndf 3.203e+05 / 46
p0 -71.45 ± 0.002661
p1 0.4506 ± 1.054e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

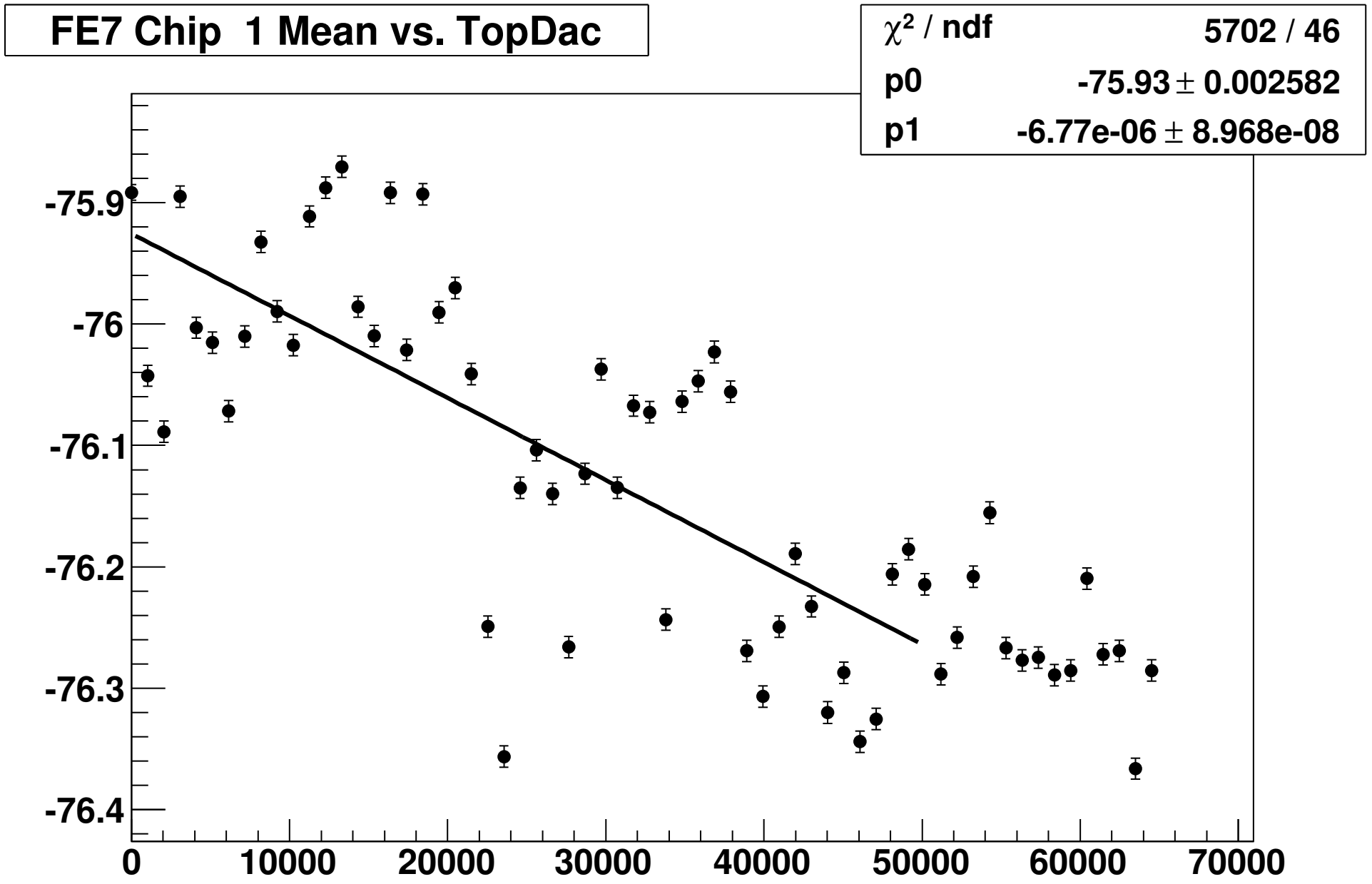

FE7 Chip 0 Rms vs. BotDac
χ² / ndf 2910 / 46
p0 1.359 ± 0.001485
p1 3.366e-05 ± 8.019e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

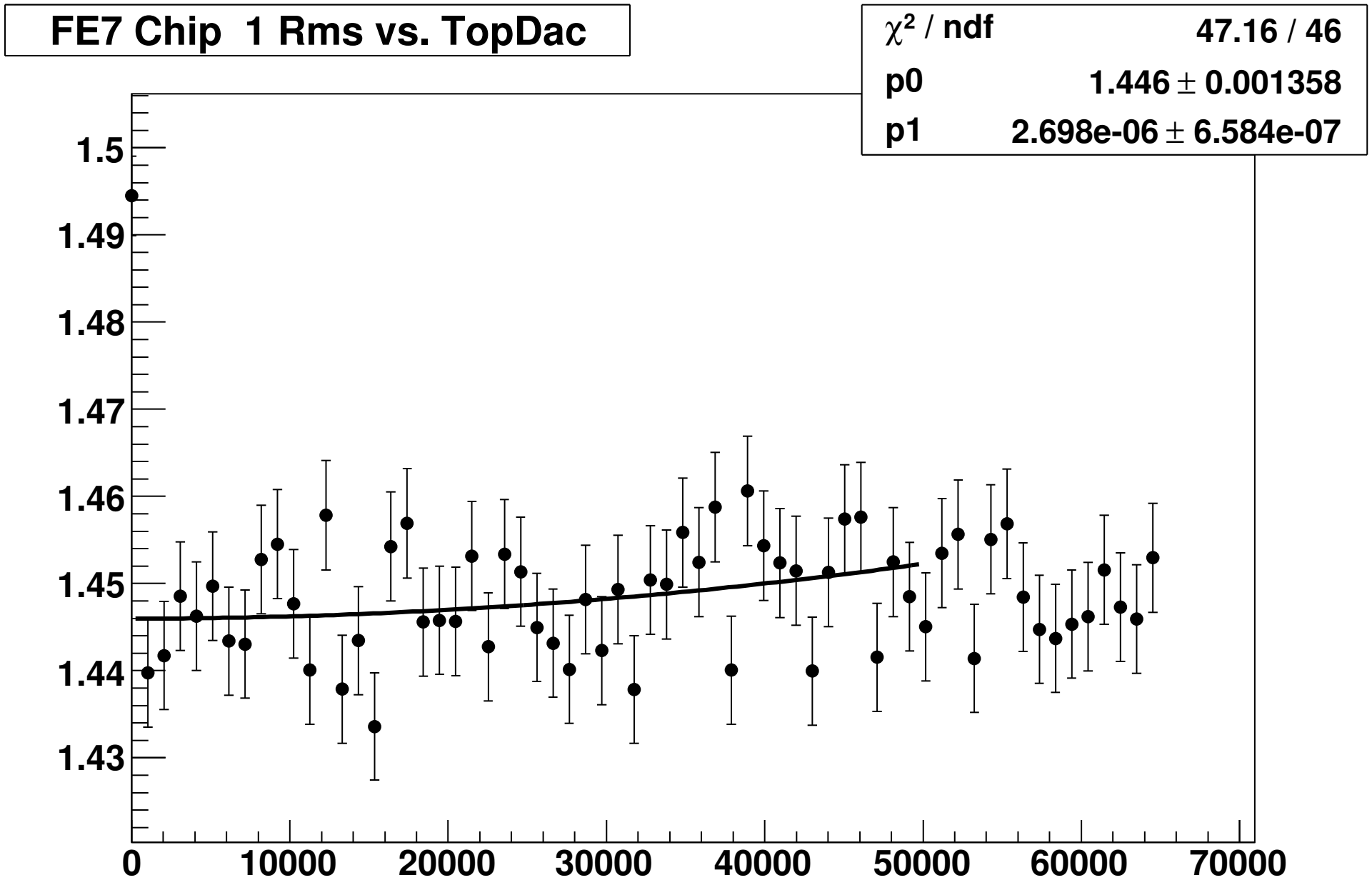

FE7 Chip 0 Mean vs. TopDac
χ² / ndf 5509 / 46
p0 -72.82 ± 0.002641
p1 -6.538e-06 ± 9.167e-08
-72.7
-72.8
-72.9
-73
-73.1
-73.2
-73.3
0
10000
20000
30000
40000
50000
60000
70000

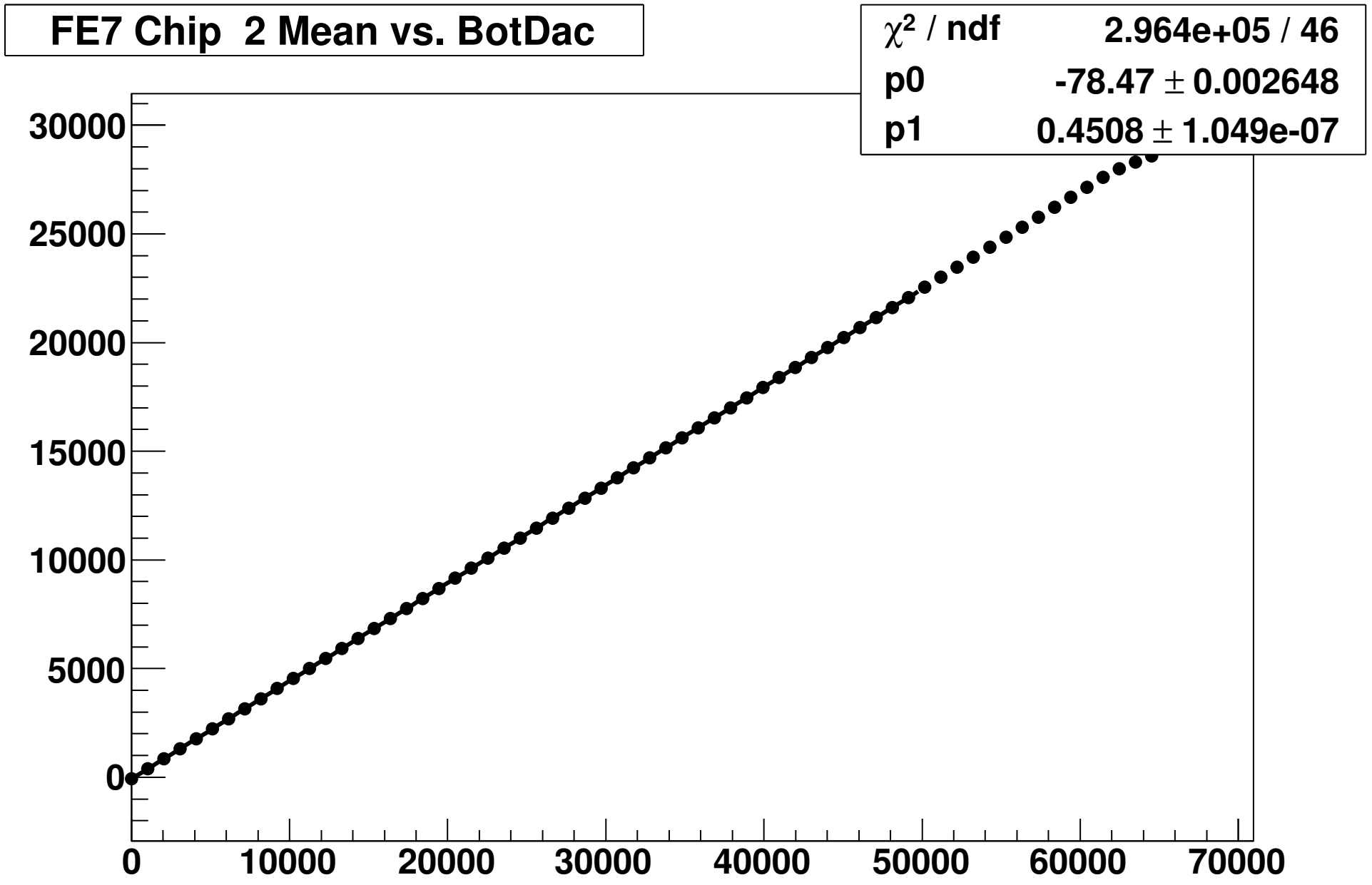

FE7 Chip 0 Rms vs. TopDac
χ² / ndf 41.3 / 46
p0 1.48 ± 0.001389
p1 1.811e-06 ± 1.025e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

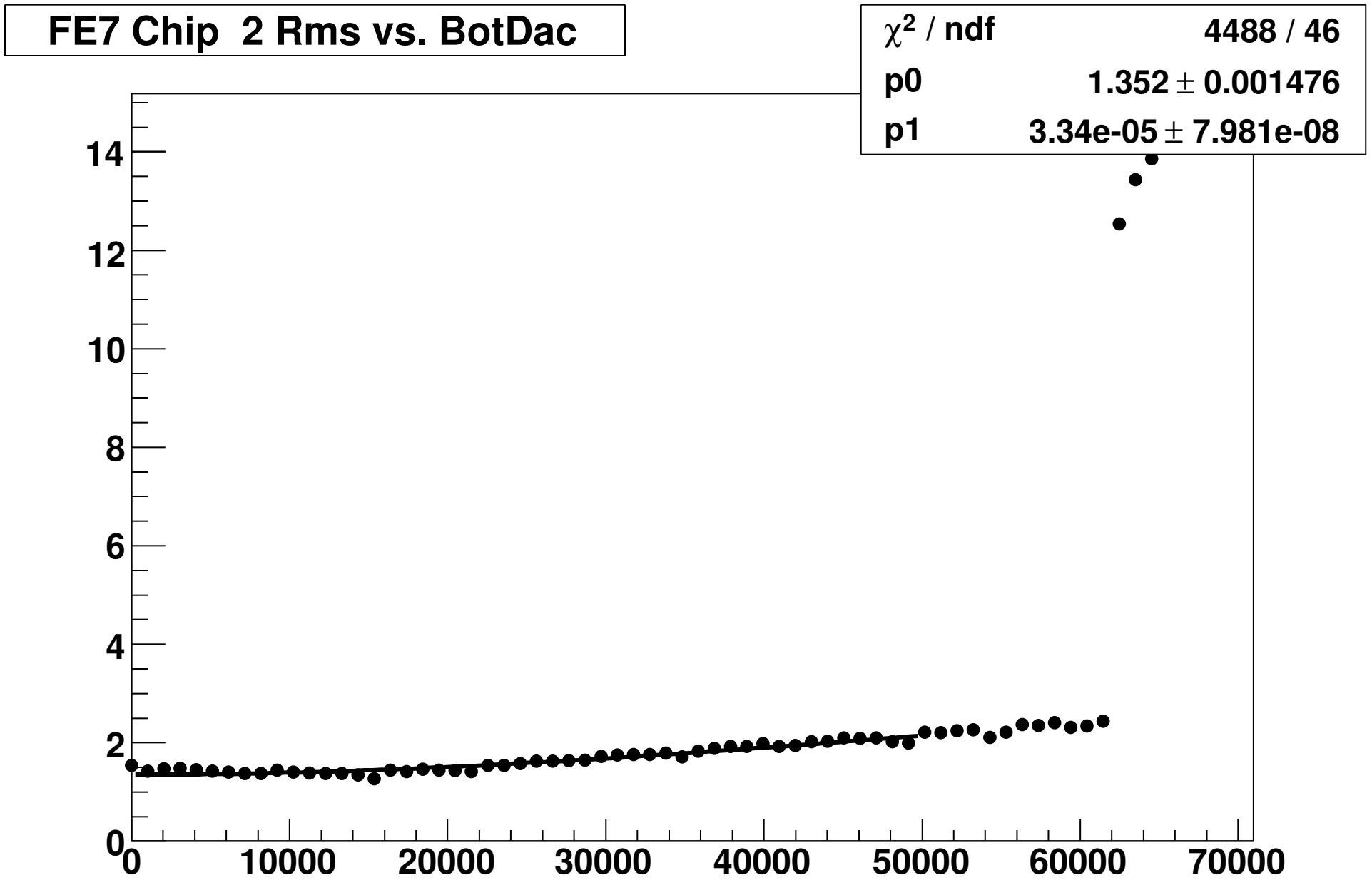

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 3.739e+05 / 46
p0 -74.84 ± 0.00263
p1 0.4506 ± 1.047e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

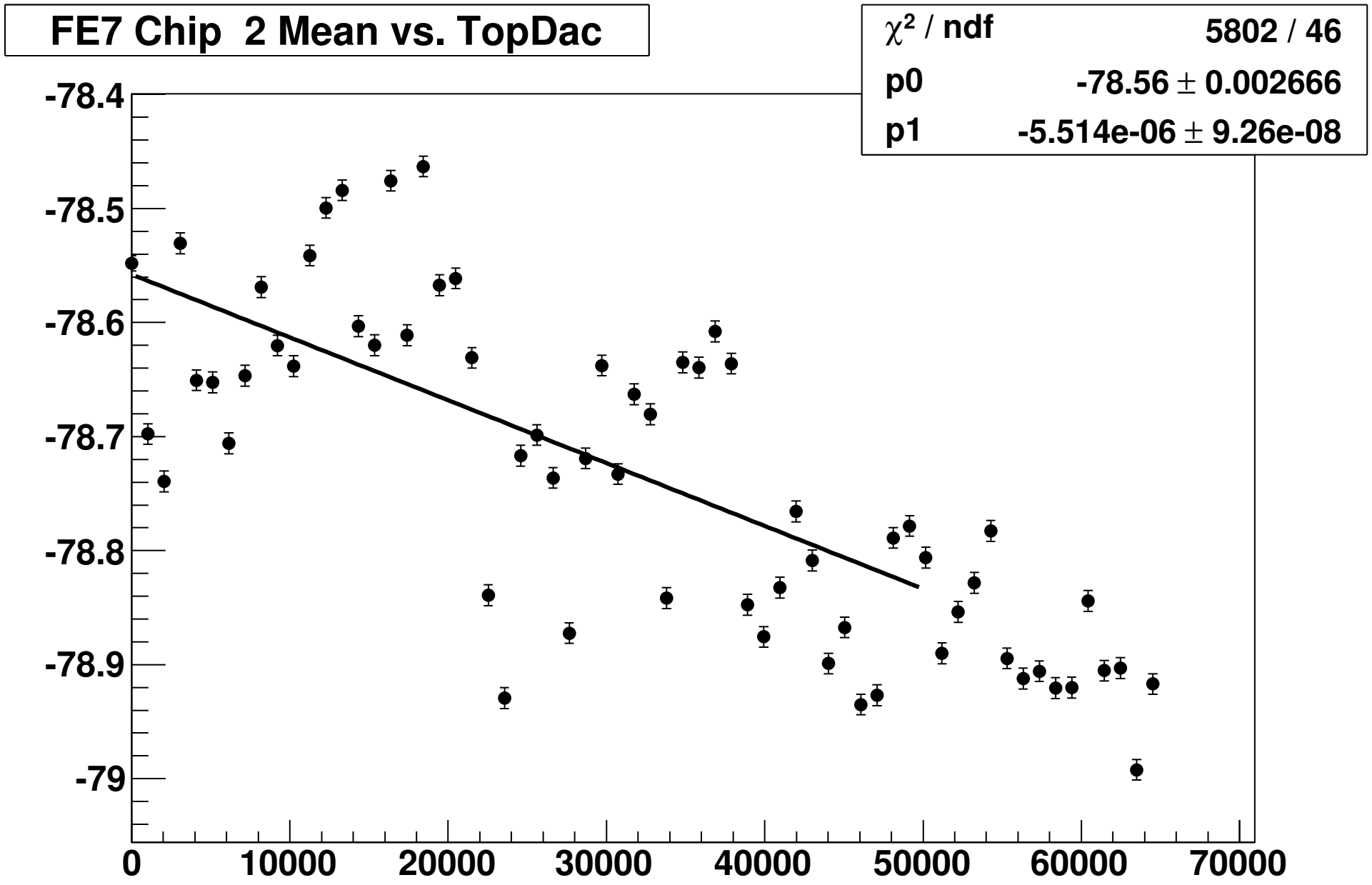

FE7 Chip 1 Rms vs. BotDac
χ² / ndf 3445 / 46
p0 1.338 ± 0.00147
p1 3.404e-05 ± 7.851e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

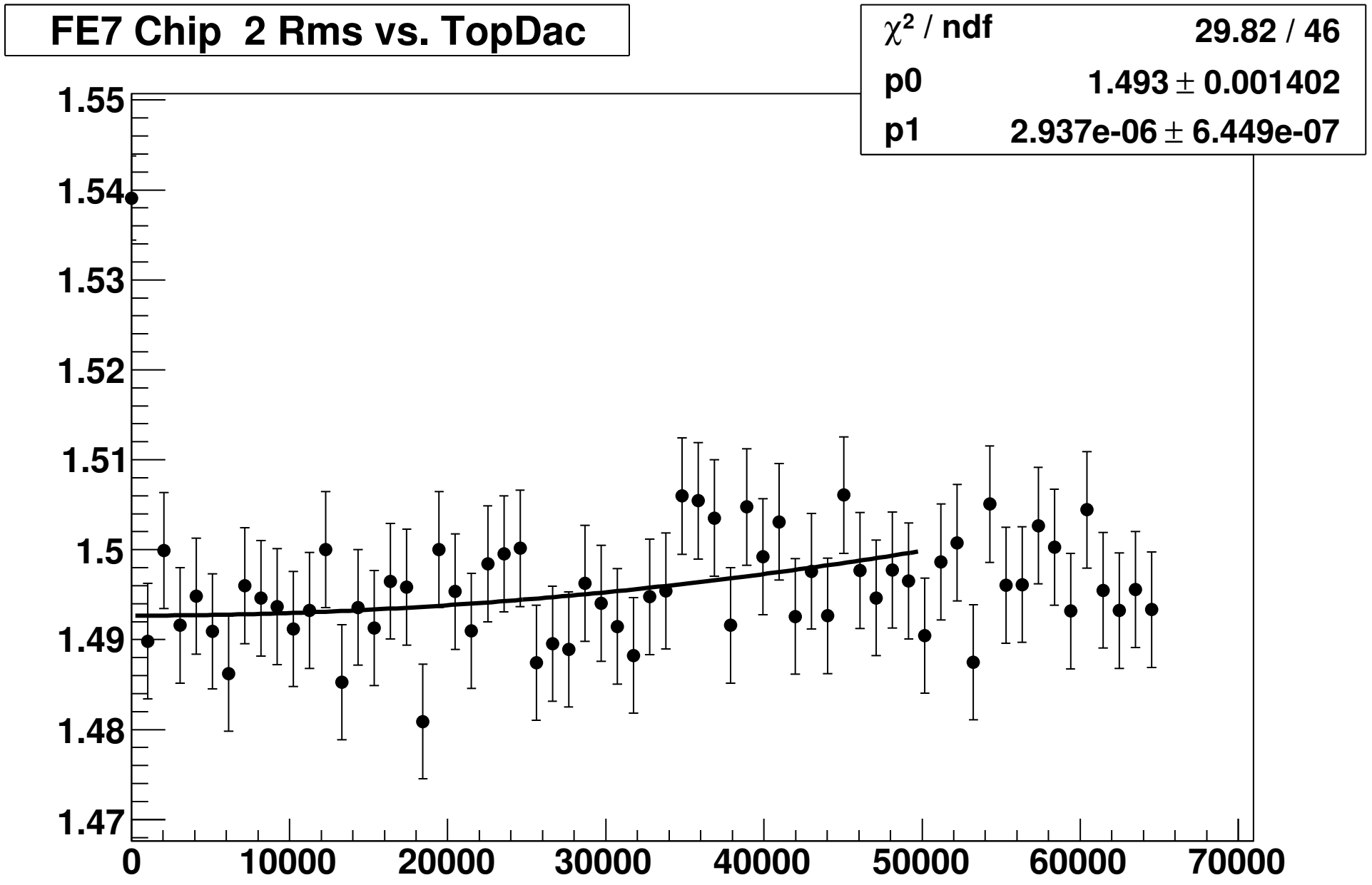

FE7 Chip 1 Mean vs. TopDac
χ² / ndf 5702 / 46
p0 -75.93 ± 0.002582
p1 -6.77e-06 ± 8.968e-08
-75.9
-76
-76.1
-76.2
-76.3
-76.4
0
10000
20000
30000
40000
50000
60000
70000

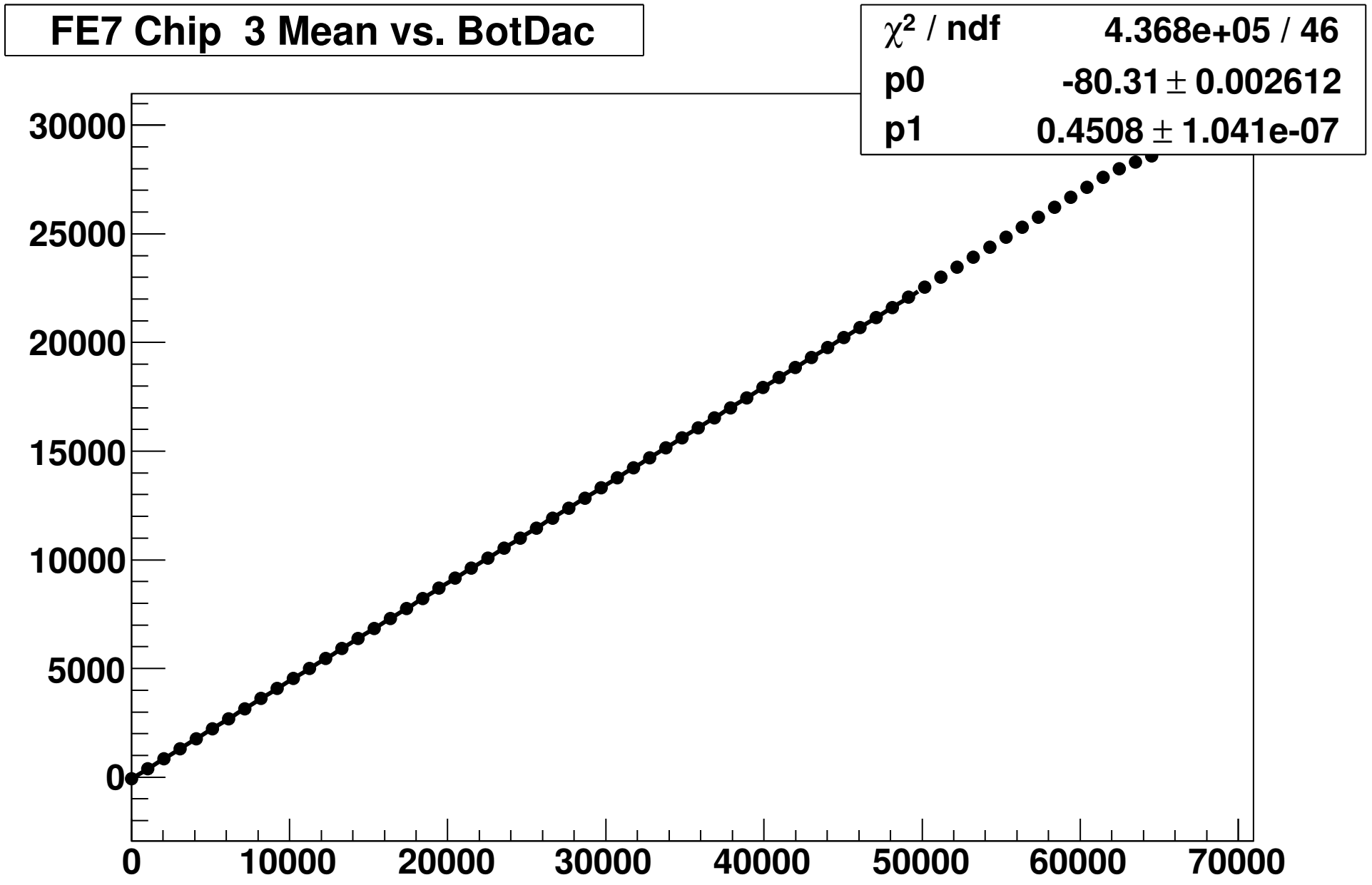

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 47.16 / 46
p0 1.446 ± 0.001358
p1 2.698e-06 ± 6.584e-07
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

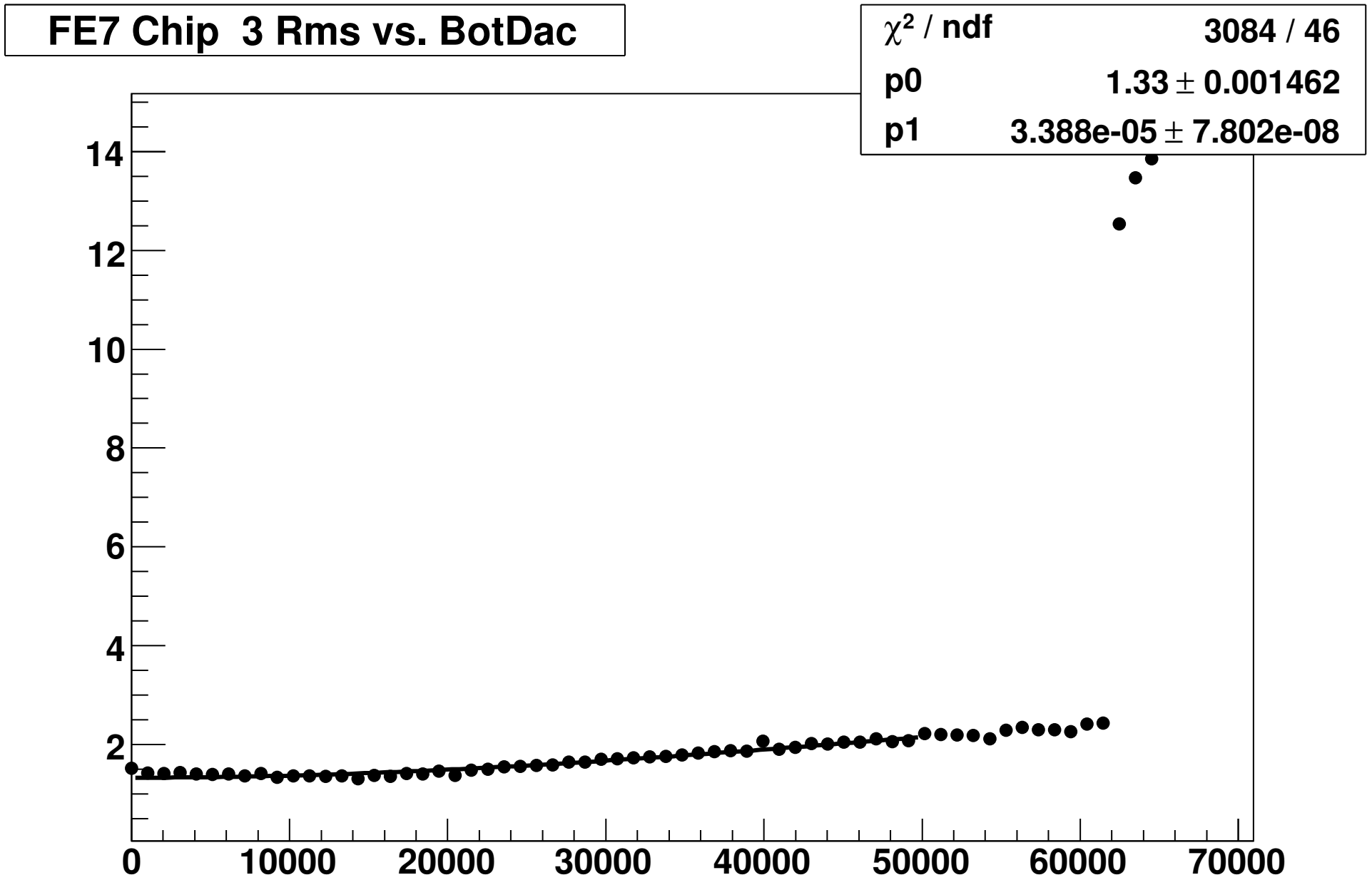

FE7 Chip 2 Mean vs. BotDac
χ² / ndf 2.964e+05 / 46
p0 -78.47 ± 0.002648
p1 0.4508 ± 1.049e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

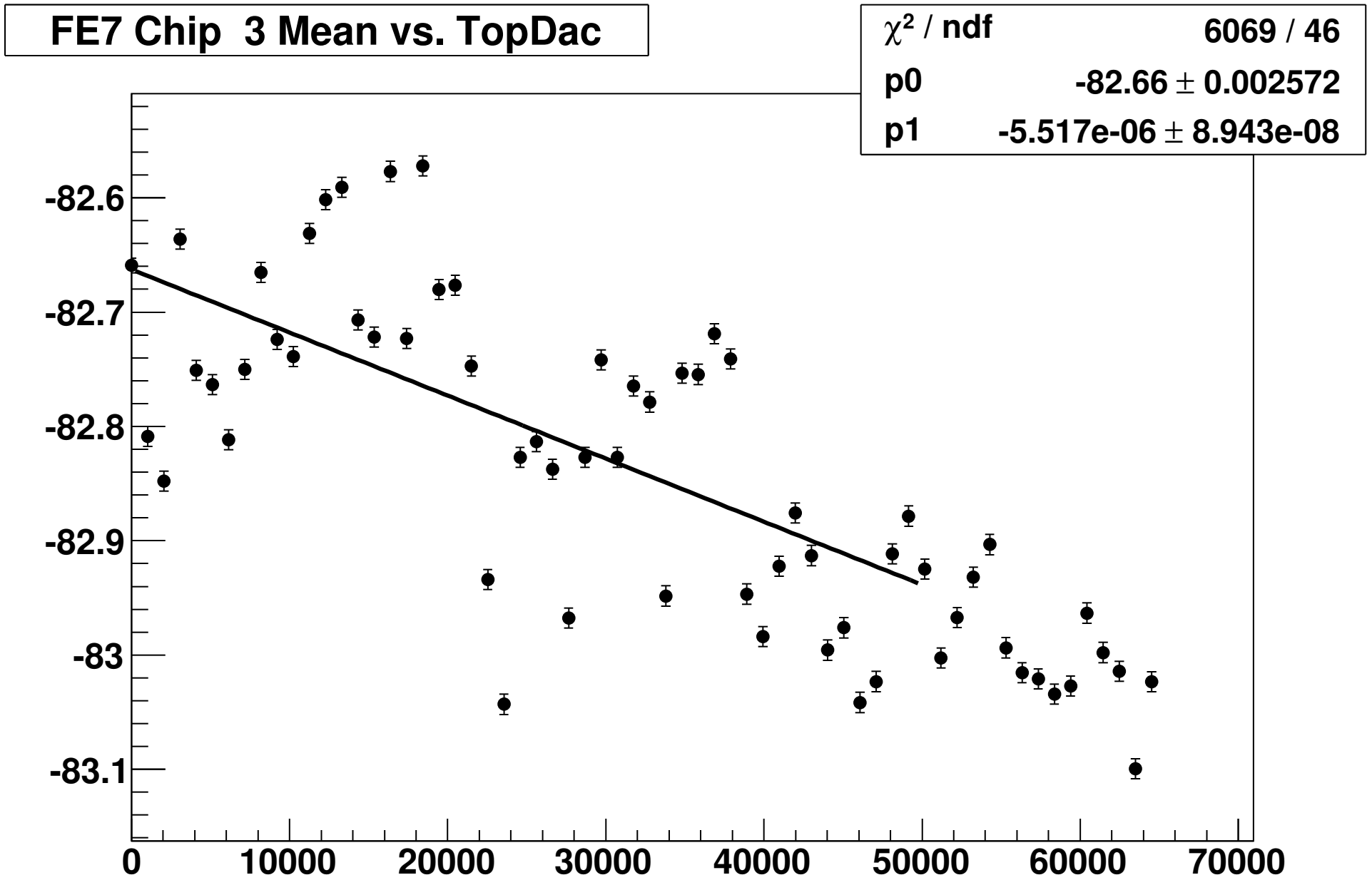

FE7 Chip 2 Rms vs. BotDac
χ² / ndf 4488 / 46
p0 1.352 ± 0.001476
p1 3.34e-05 ± 7.981e-08
0
2
4
6
8
10
12
14
0
10000
20000
30000
40000
50000
60000
70000

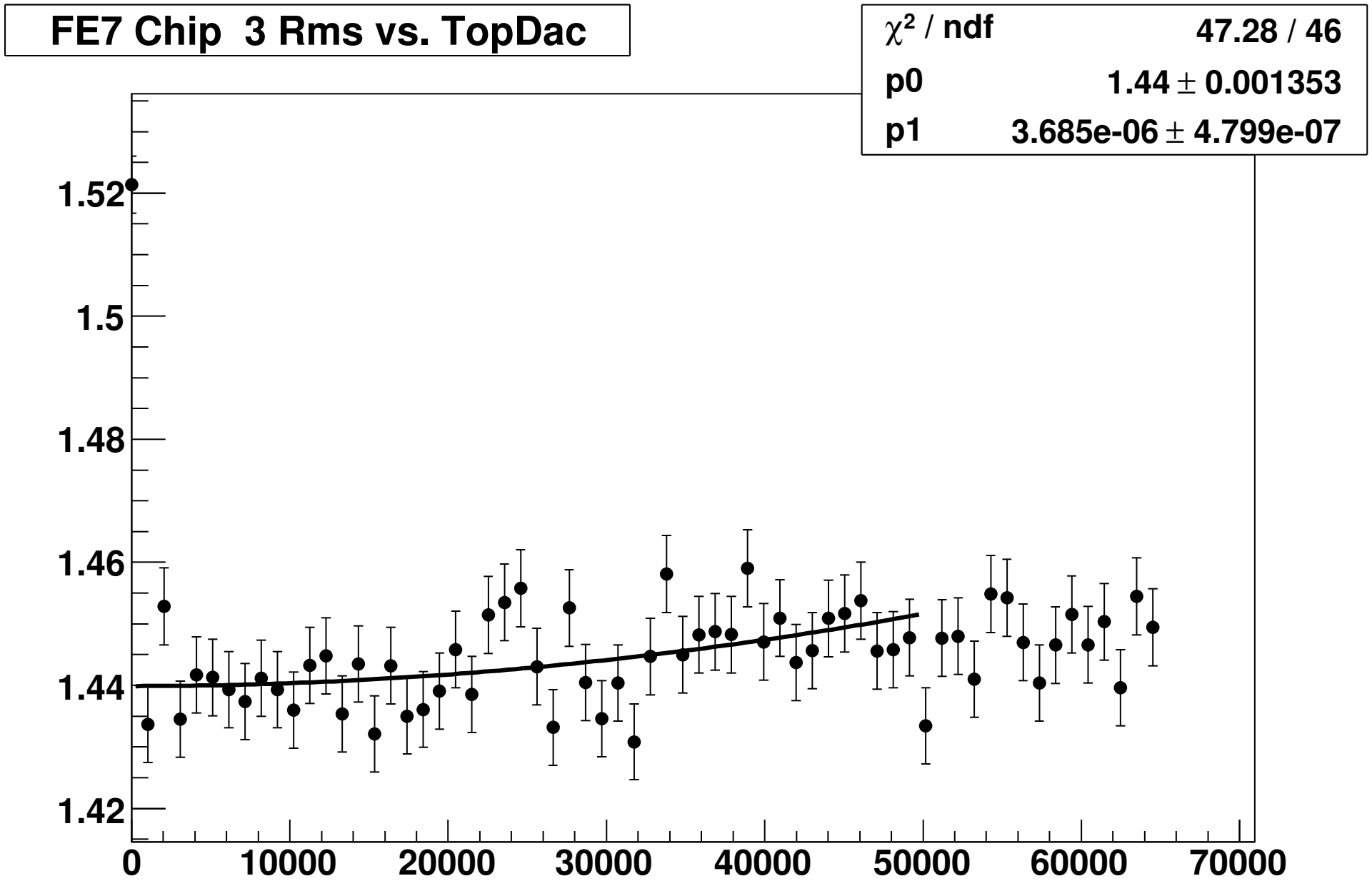

FE7 Chip 2 Mean vs. TopDac
χ² / ndf 5802 / 46
p0 -78.56 ± 0.002666
p1 -5.514e-06 ± 9.26e-08
-78.4
-78.5
-78.6
-78.7
-78.8
-78.9
-79
0
10000
20000
30000
40000
50000
60000
70000

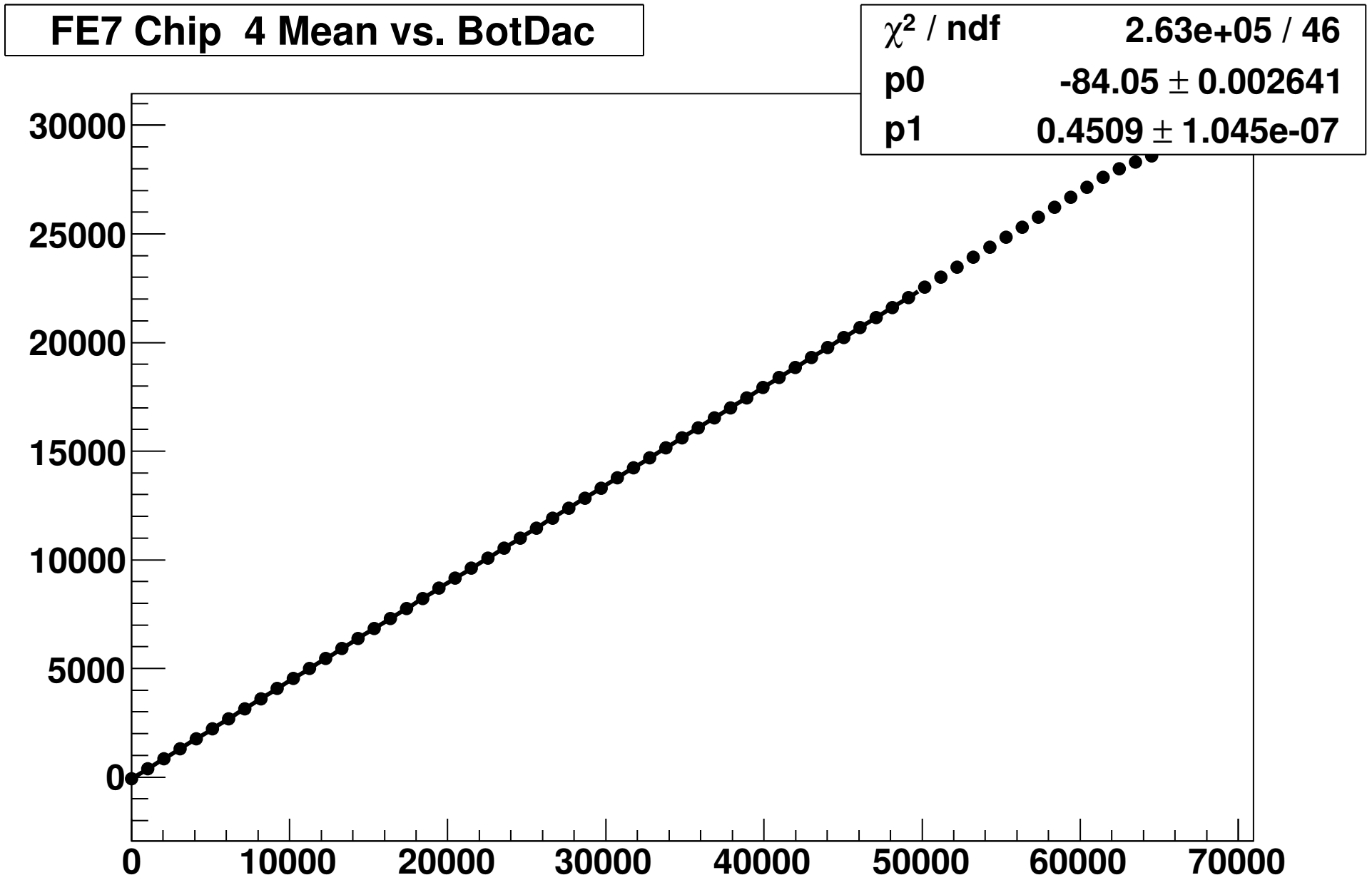

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 29.82 / 46
p0 1.493 ± 0.001402
p1 2.937e-06 ± 6.449e-07
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000

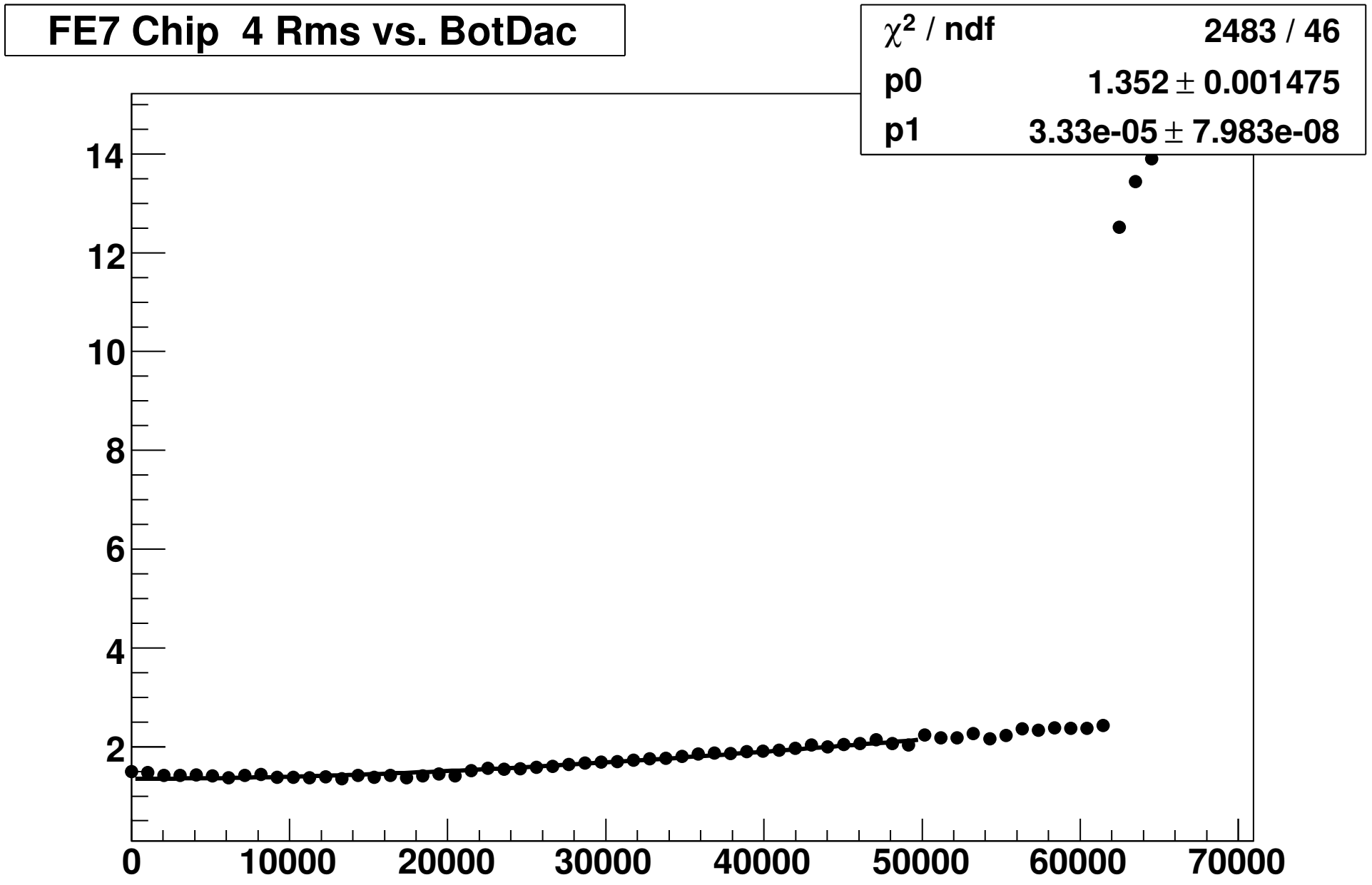

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 4.368e+05 / 46
p0 -80.31 ± 0.002612
p1 0.4508 ± 1.041e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

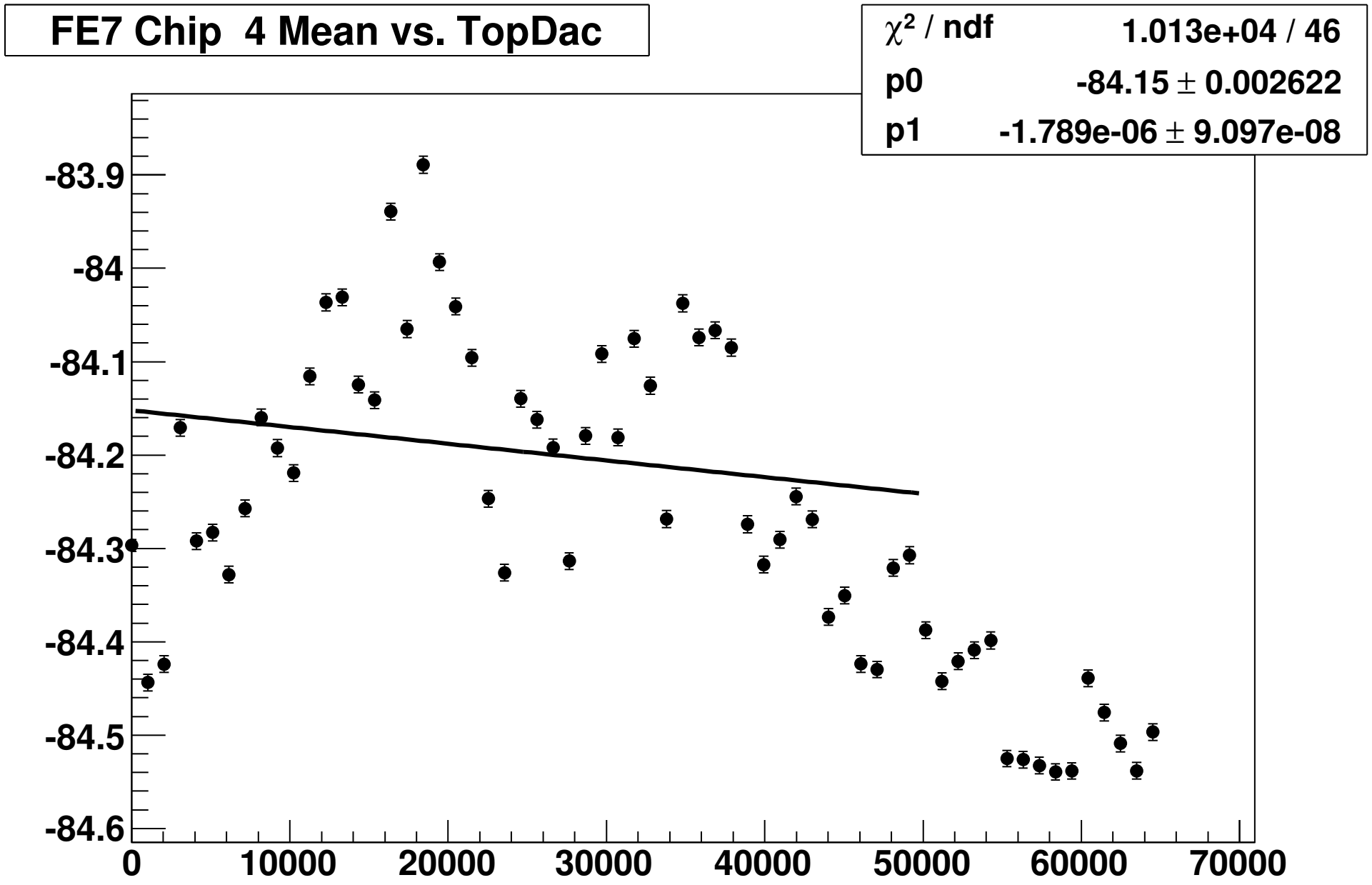

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 3084 / 46
p0 1.33 ± 0.001462
p1 3.388e-05 ± 7.802e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

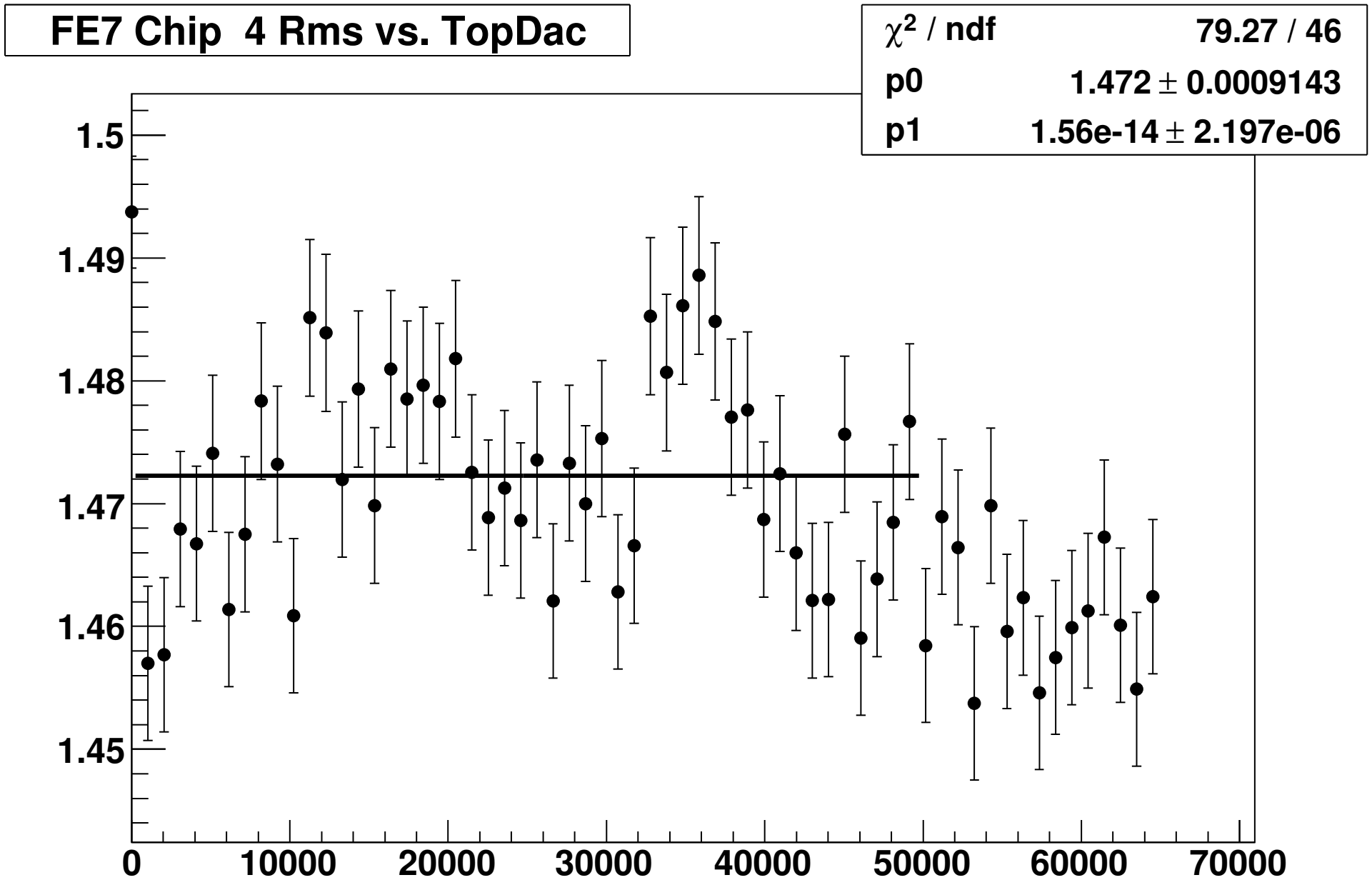

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 6069 / 46
p0 -82.66 ± 0.002572
p1 -5.517e-06 ± 8.943e-08
-82.6
-82.7
-82.8
-82.9
-83
-83.1
0
10000
20000
30000
40000
50000
60000
70000

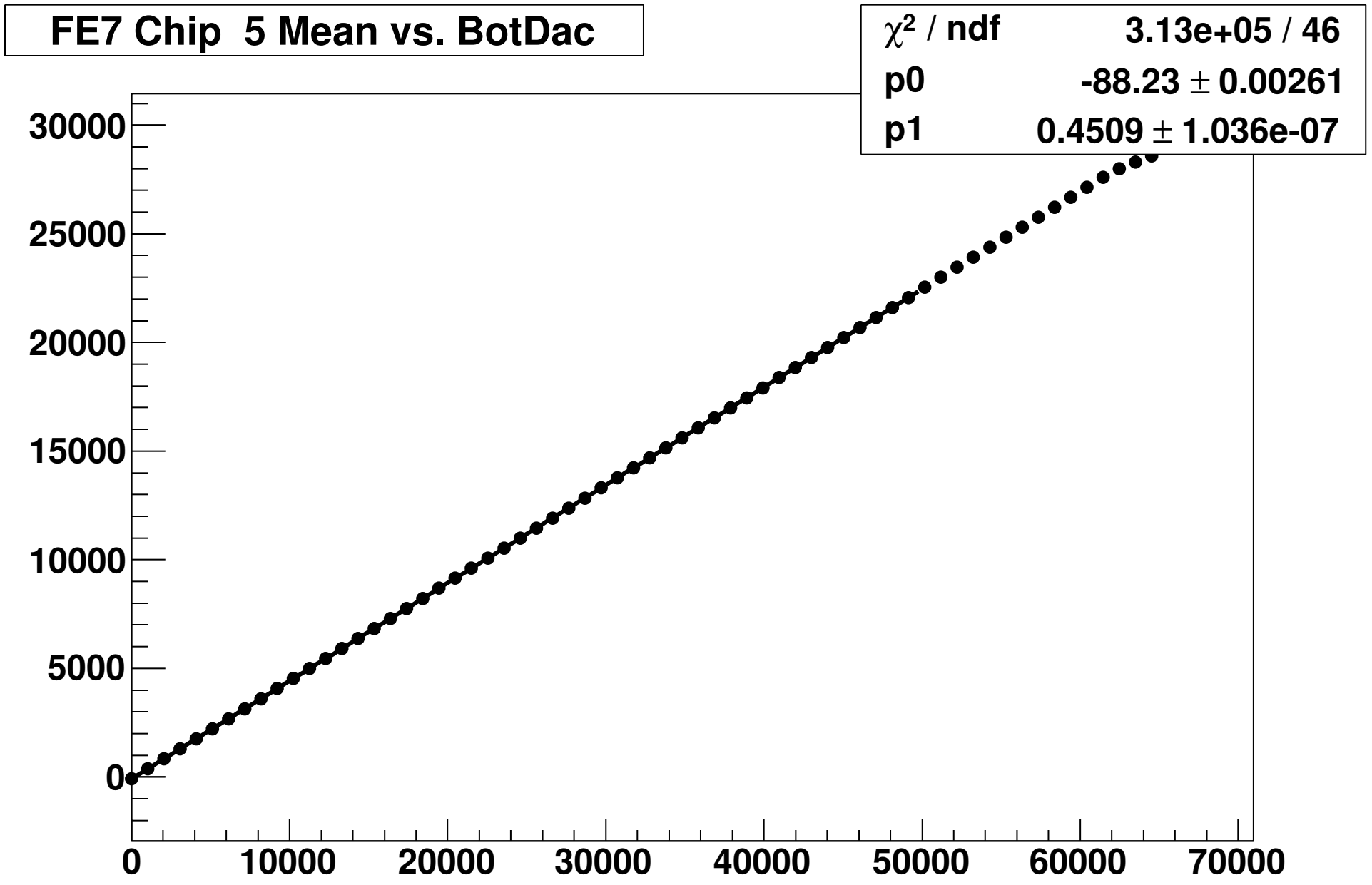

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 47.28 / 46
p0 1.44 ± 0.001353
p1 3.685e-06 ± 4.799e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

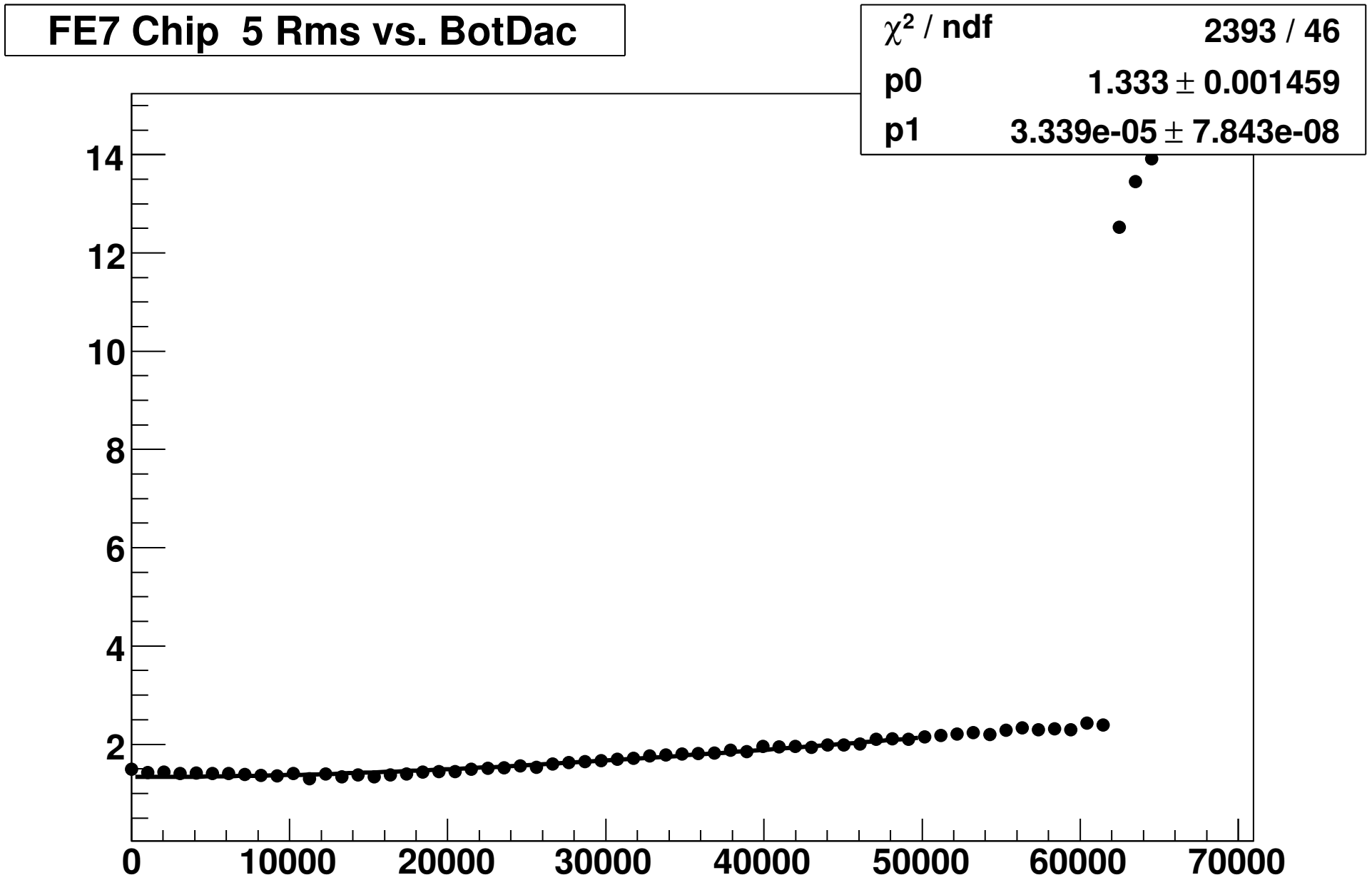

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 2.63e+05 / 46
p0 -84.05 ± 0.002641
p1 0.4509 ± 1.045e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

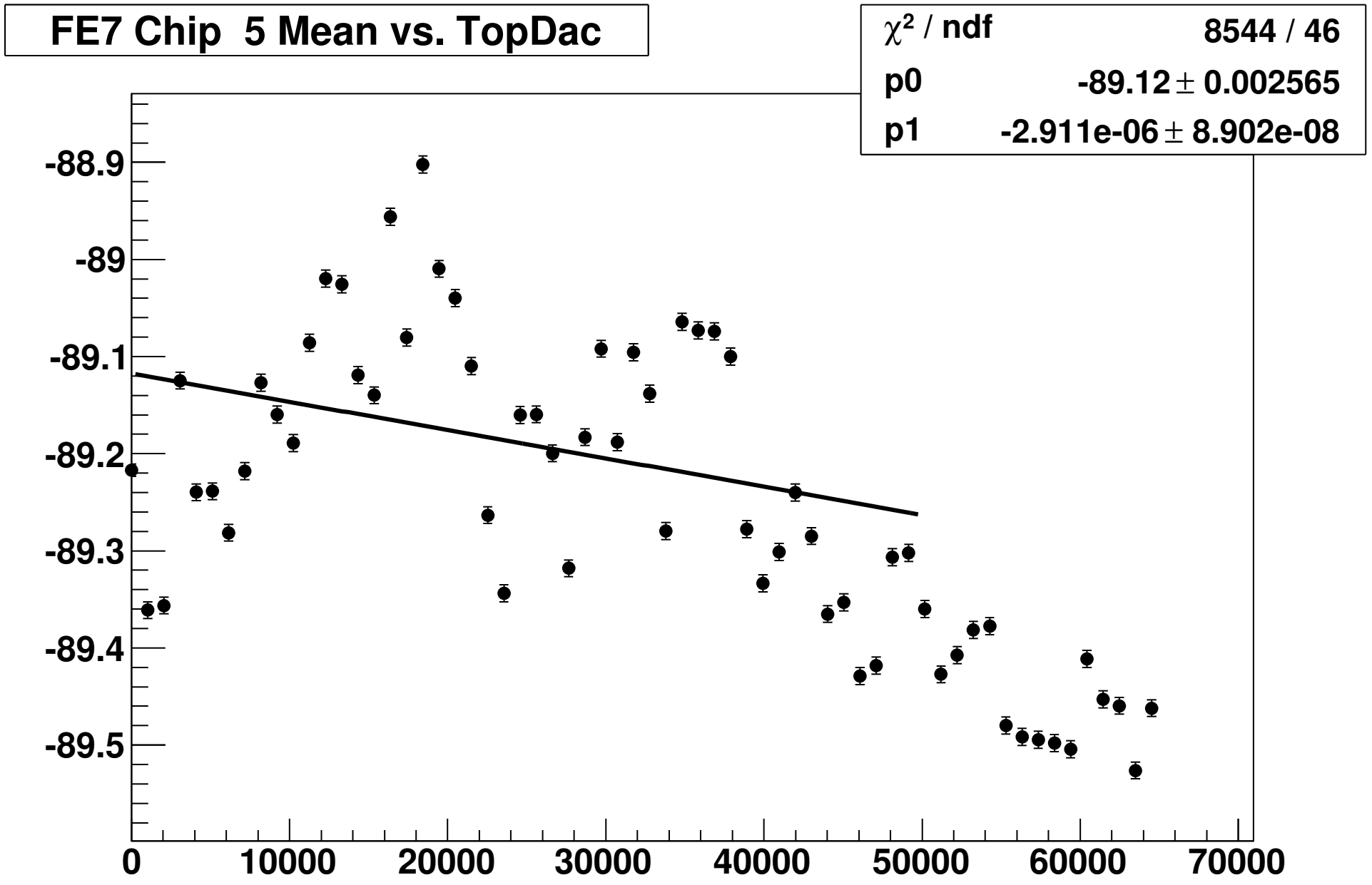

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 2483 / 46
p0 1.352 ± 0.001475
p1 3.33e-05 ± 7.983e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

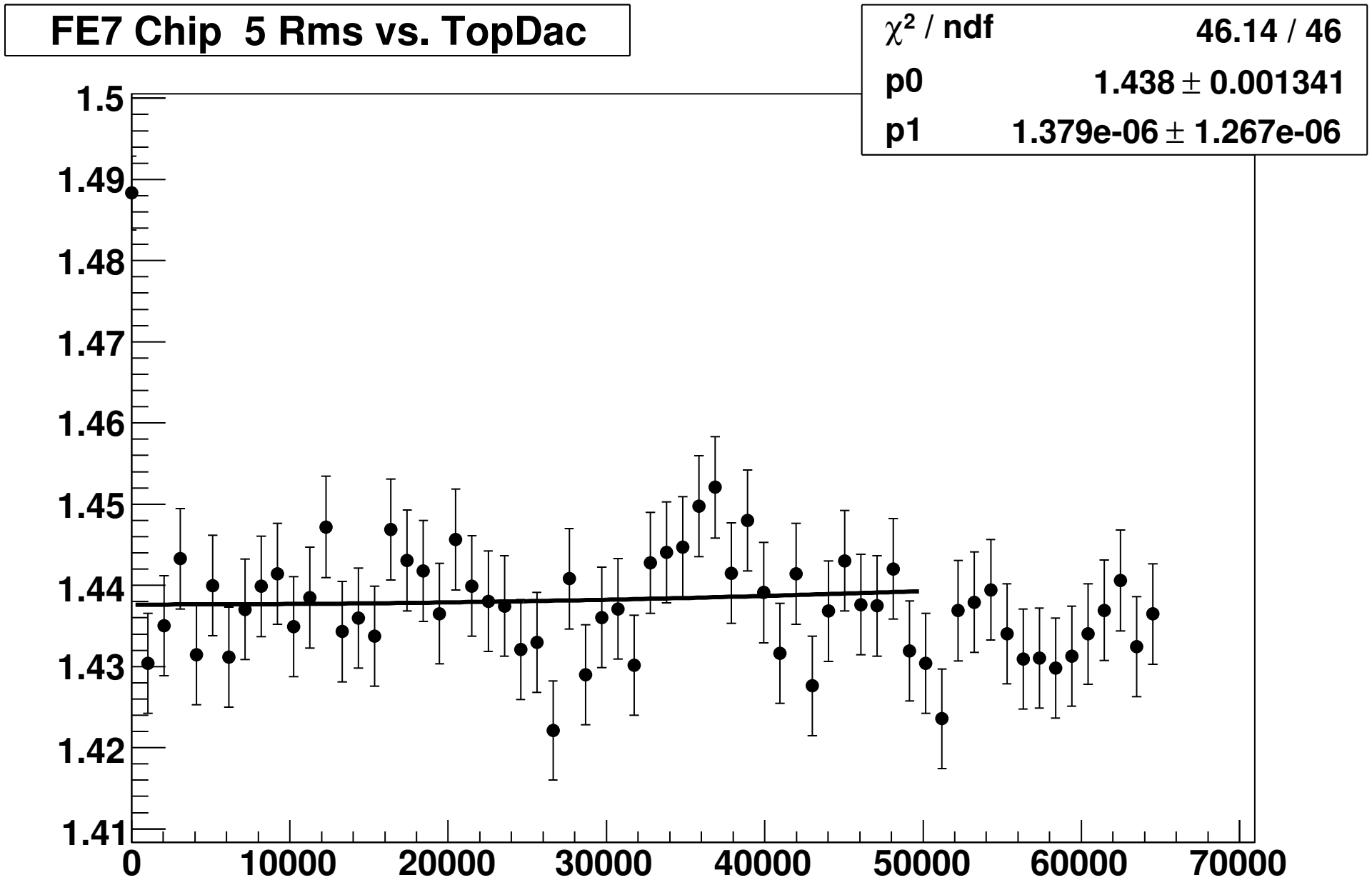

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 1.013e+04 / 46
p0 -84.15 ± 0.002622
p1 -1.789e-06 ± 9.097e-08
-83.9
-84
-84.1
-84.2
-84.3
-84.4
-84.5
-84.6
0
10000
20000
30000
40000
50000
60000
70000

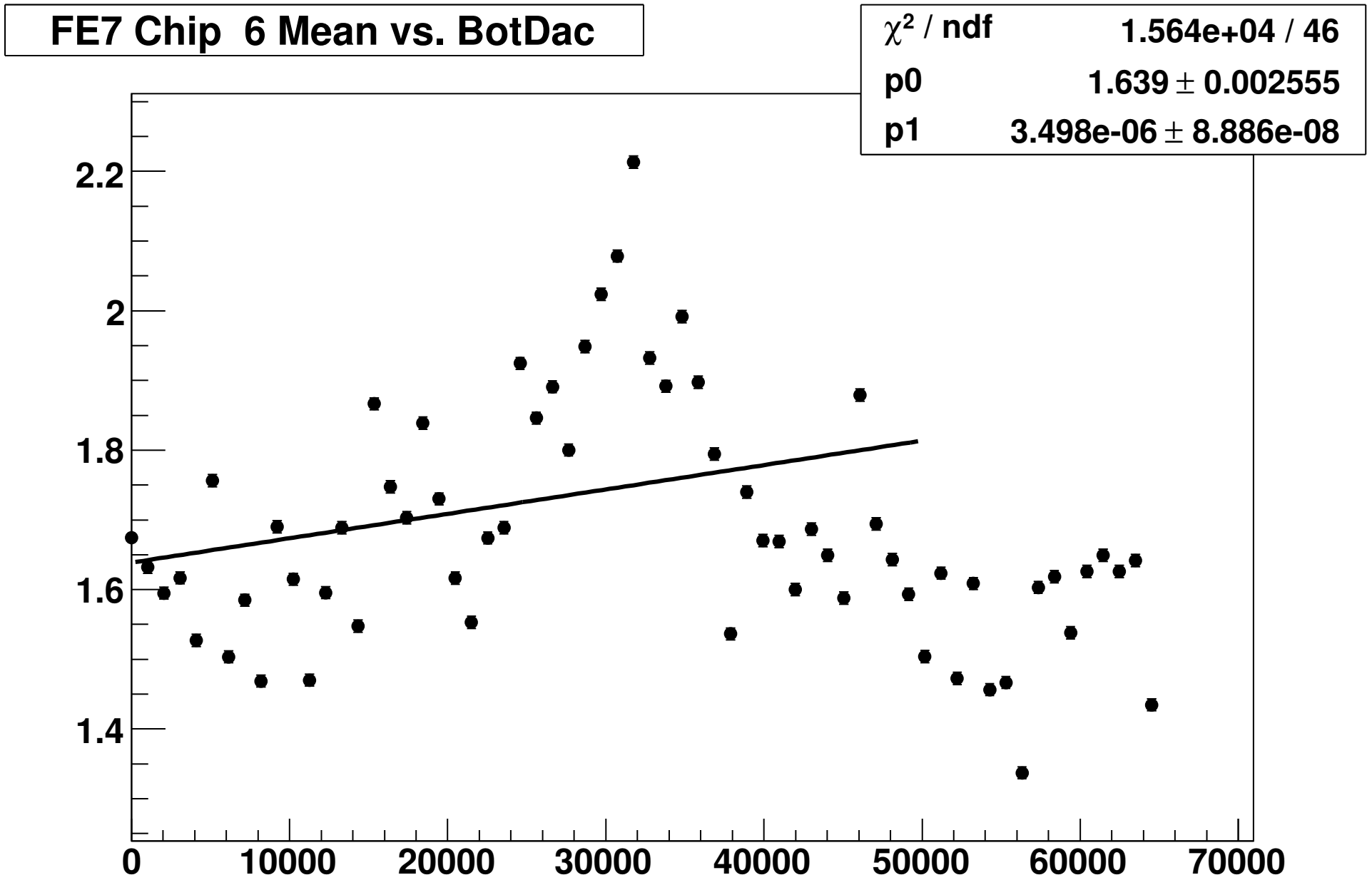

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 79.27 / 46
p0 1.472 ± 0.0009143
p1 1.56e-14 ± 2.197e-06
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

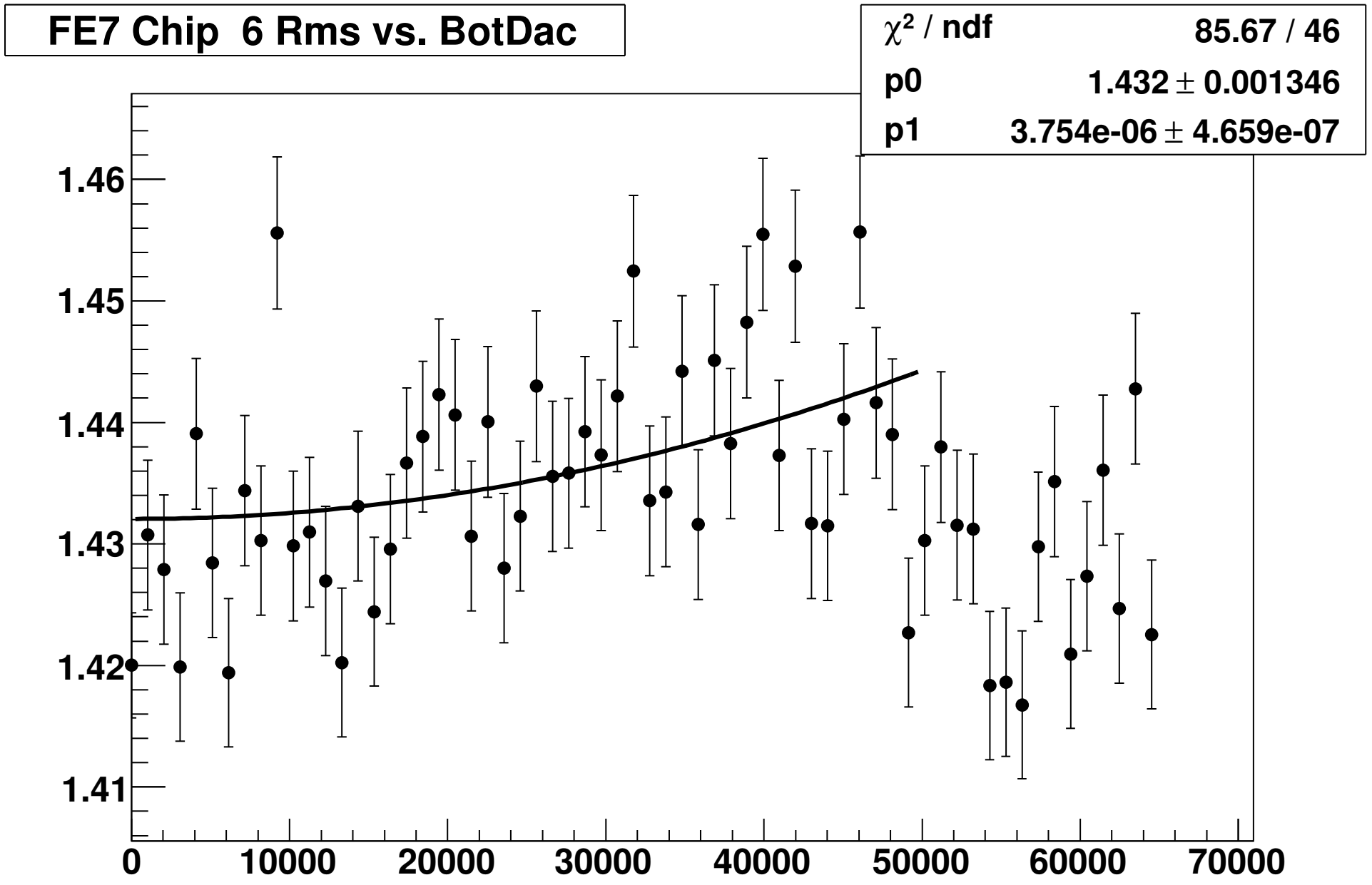

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 3.13e+05 / 46
p0 -88.23 ± 0.00261
p1 0.4509 ± 1.036e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

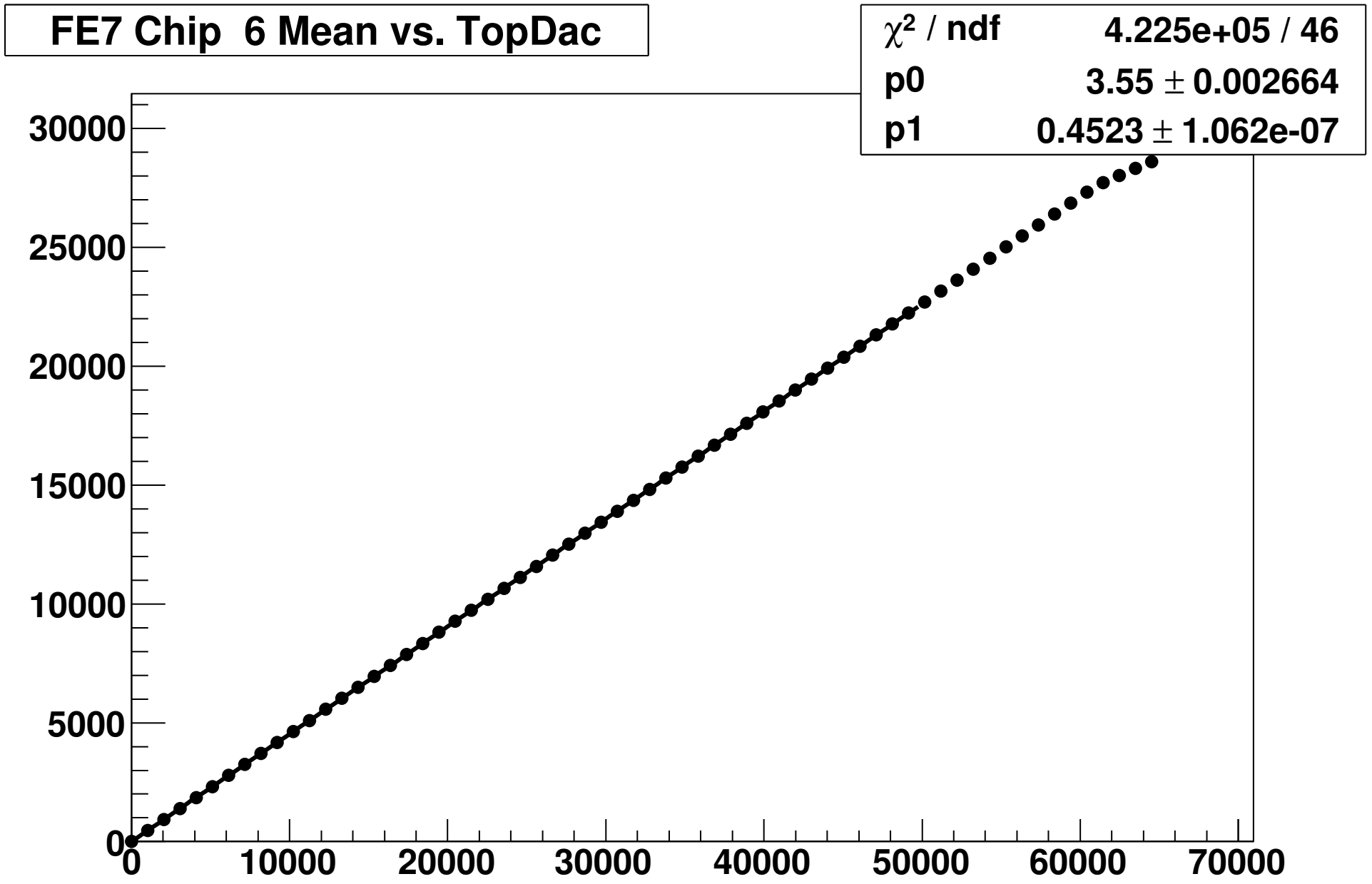

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 2393 / 46
p0 1.333 ± 0.001459
p1 3.339e-05 ± 7.843e-08
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

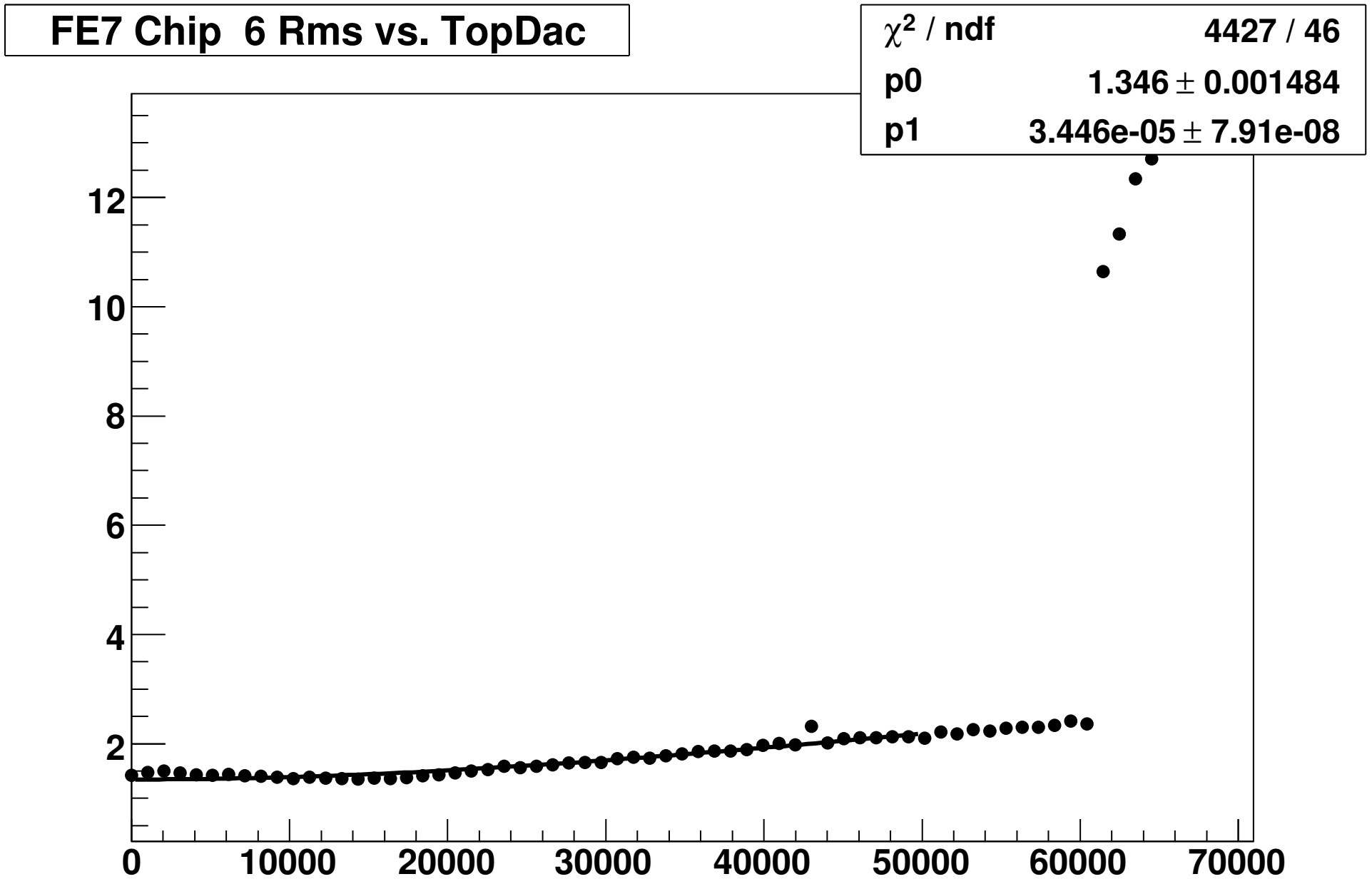

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 8544 / 46
p0 -89.12 ± 0.002565
p1 -2.911e-06 ± 8.902e-08
-88.9
-89
-89.1
-89.2
-89.3
-89.4
-89.5
0
10000
20000
30000
40000
50000
60000
70000

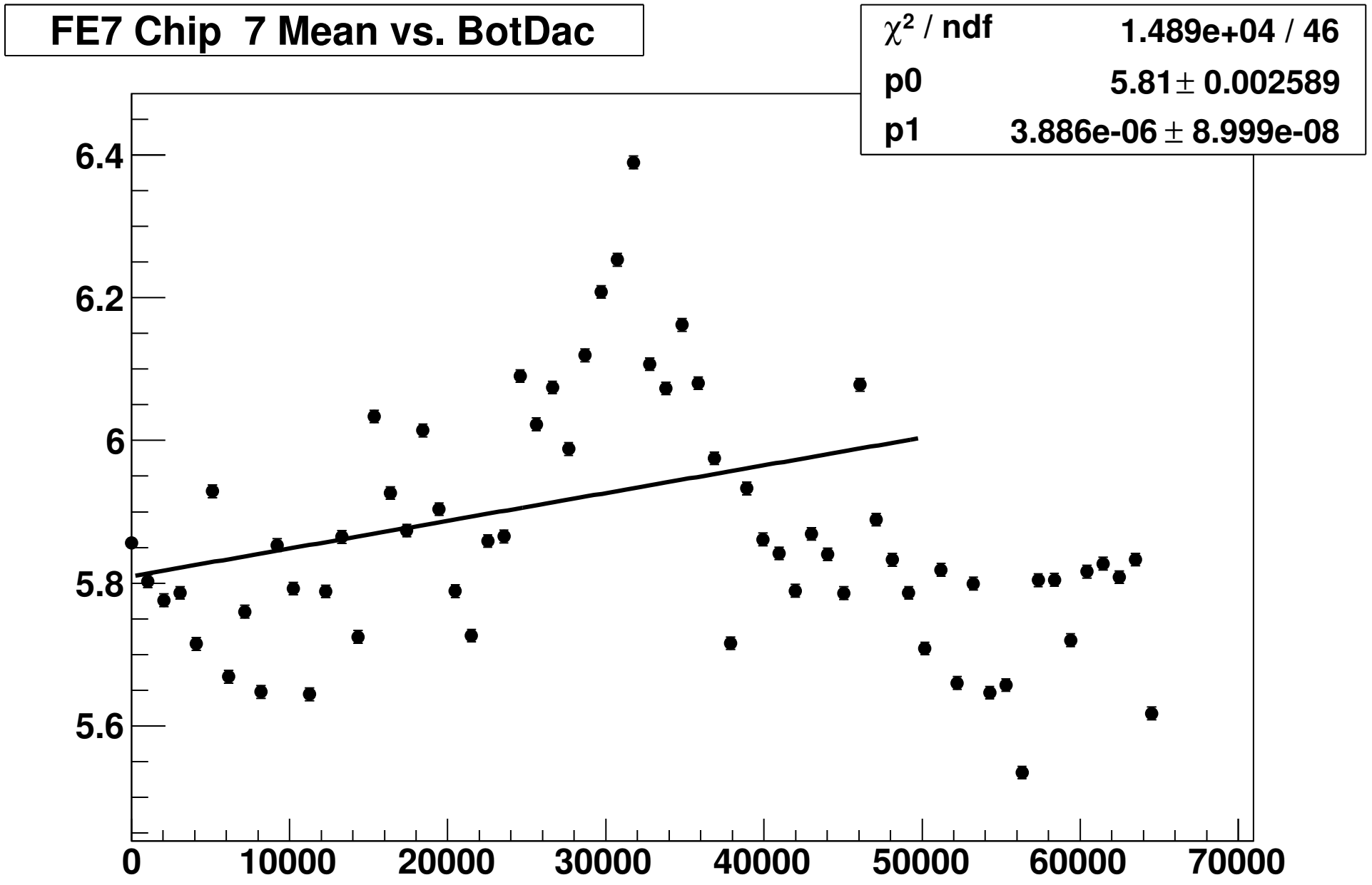

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 46.14 / 46
p0 1.438 ± 0.001341
p1 1.379e-06 ± 1.267e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

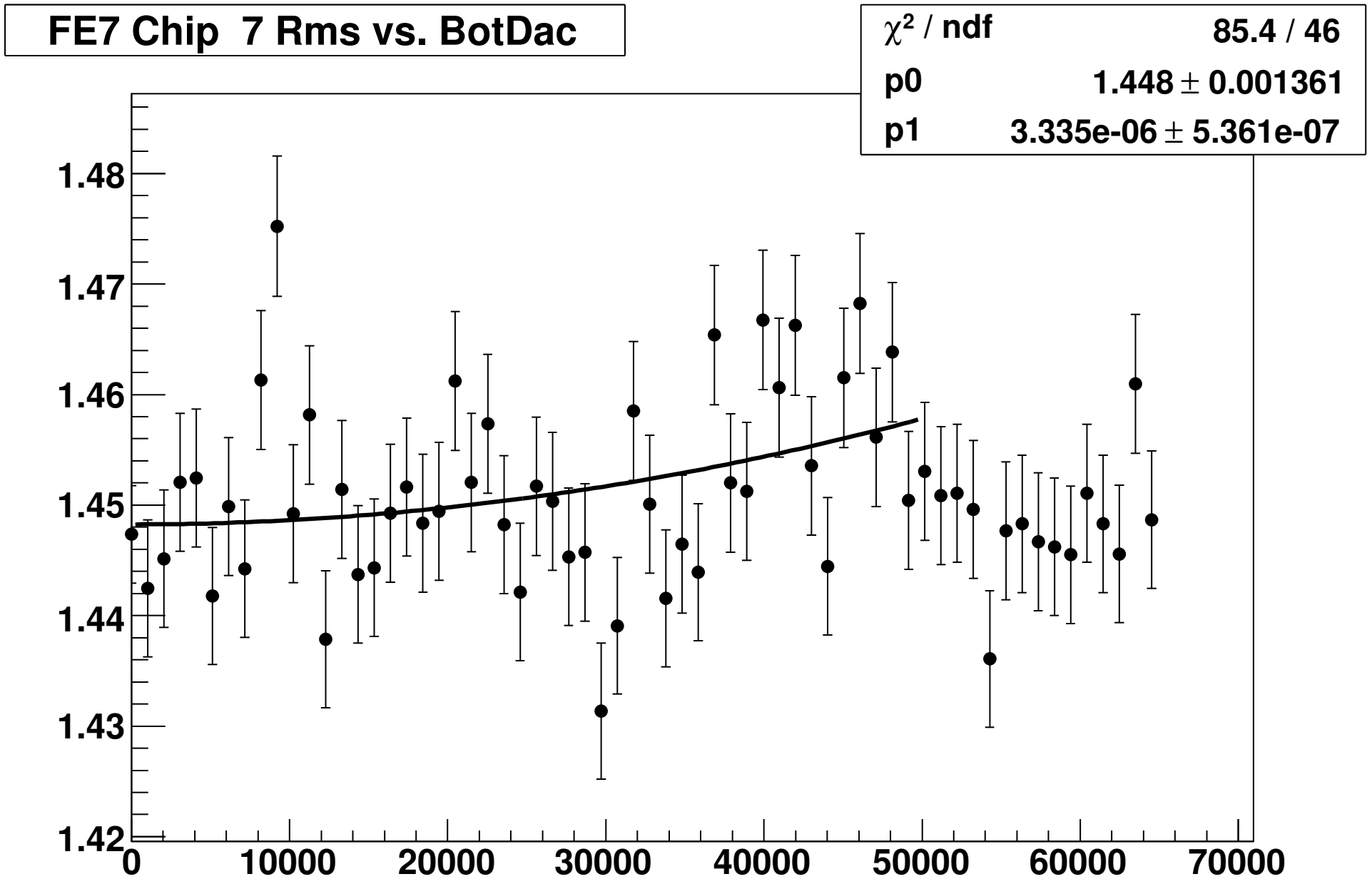

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 1.564e+04 / 46
p0 1.639 ± 0.002555
p1 3.498e-06 ± 8.886e-08
2.2
2
1.8
1.6
1.4
0
10000
20000
30000
40000
50000
60000
70000

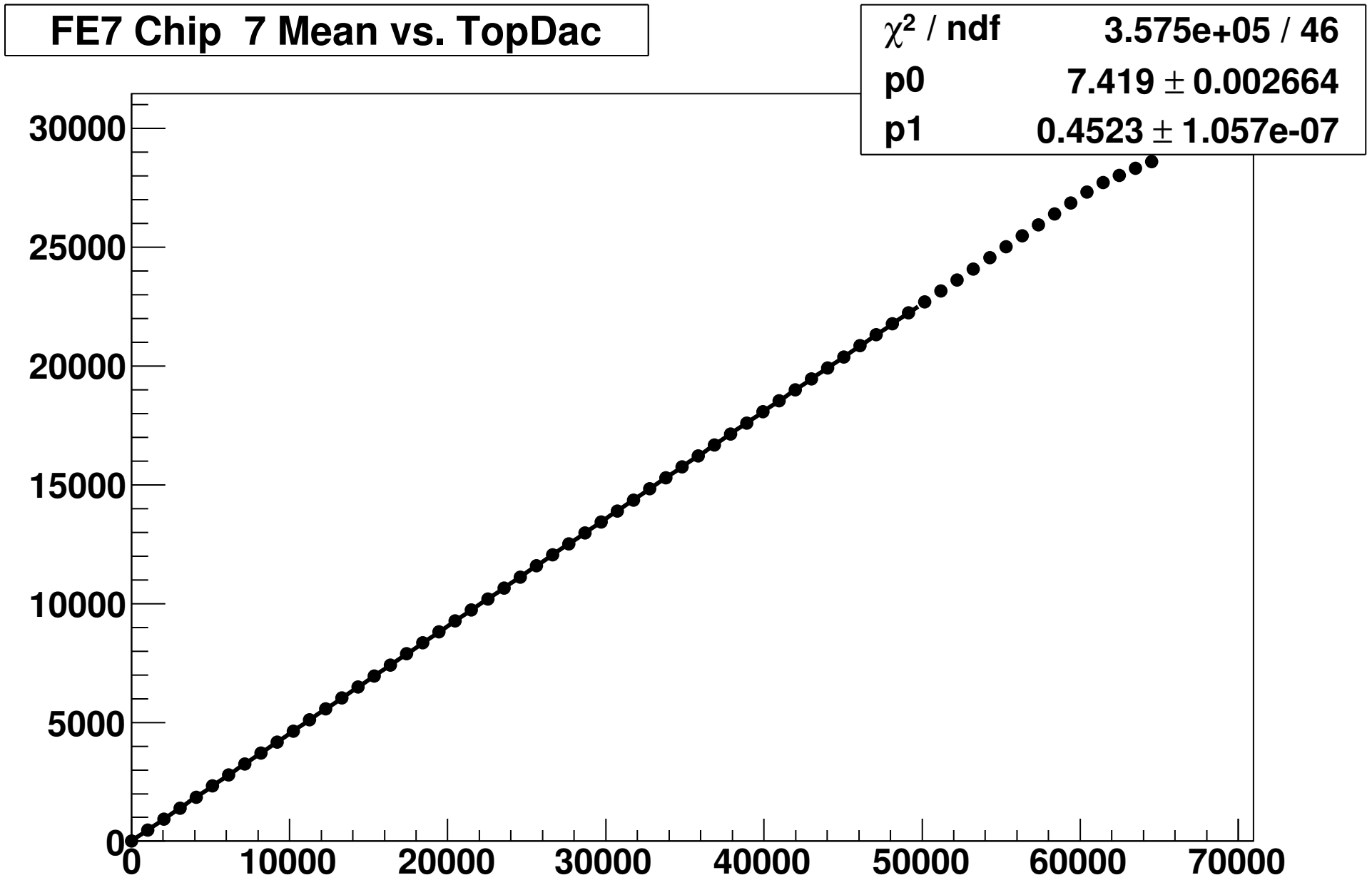

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 85.67 / 46
p0 1.432 ± 0.001346
p1 3.754e-06 ± 4.659e-07
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

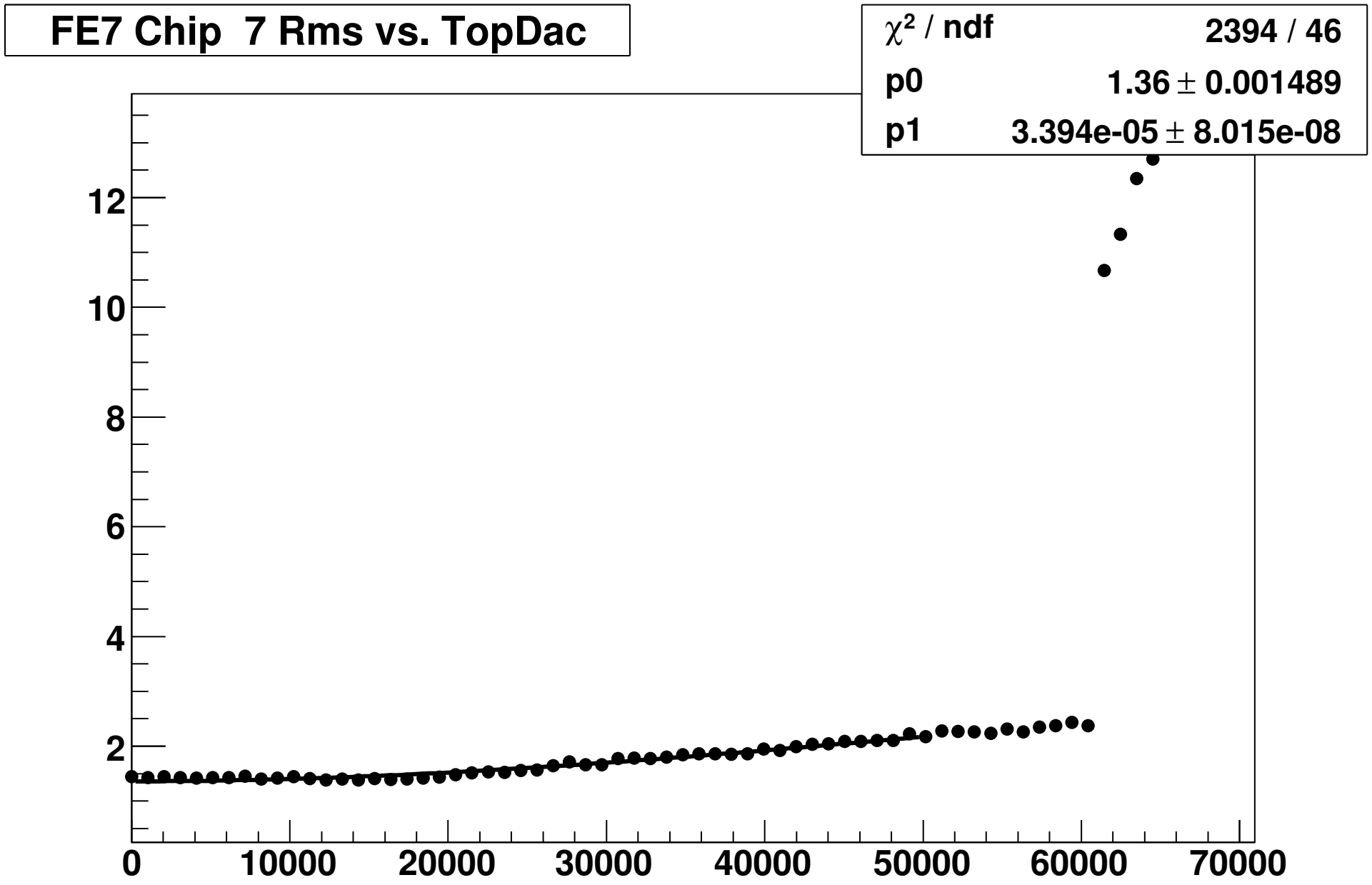

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 4.225e+05 / 46
p0 3.55 ± 0.002664
p1 0.4523 ± 1.062e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

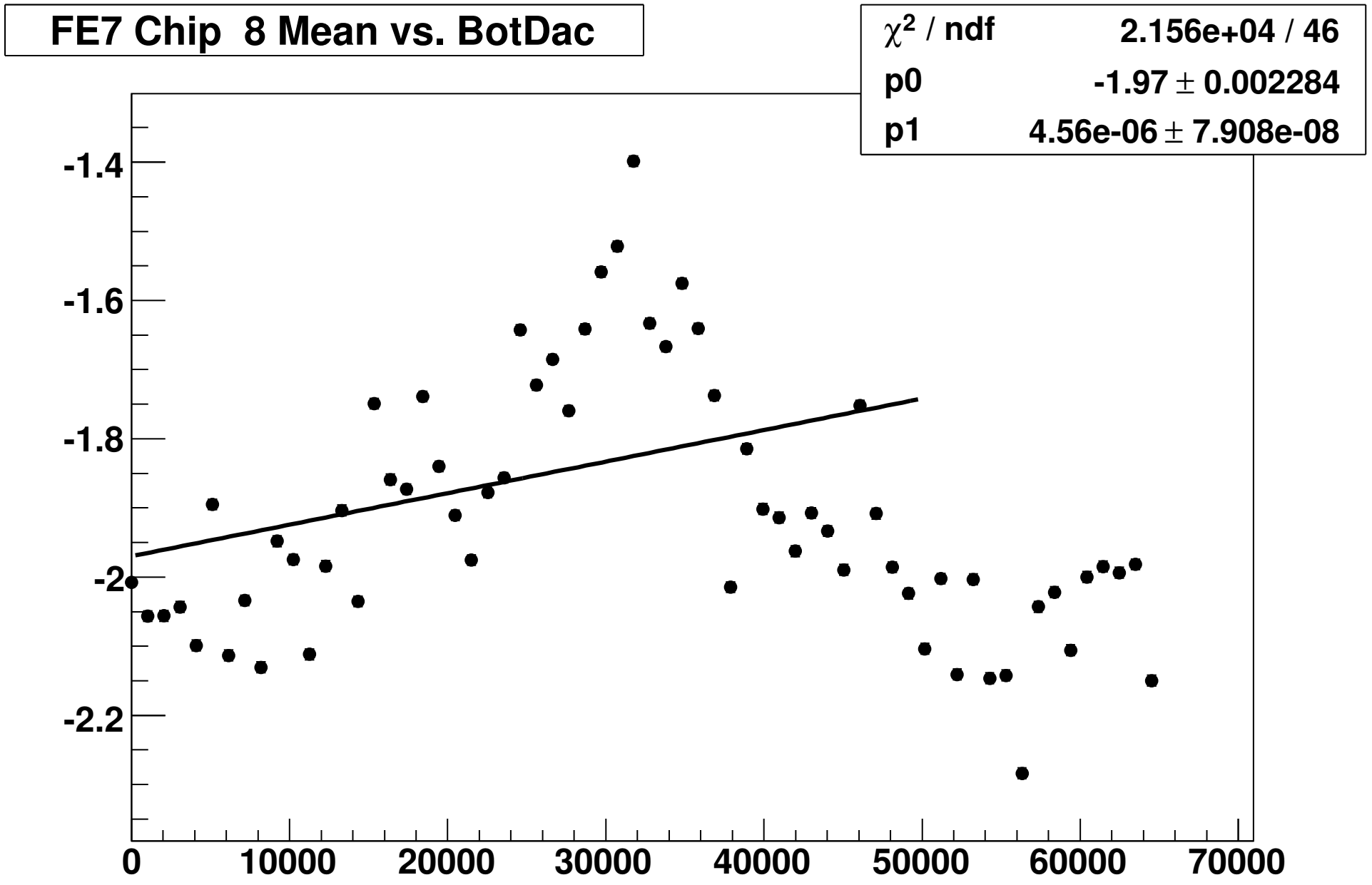

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 4427 / 46
p0 1.346 ± 0.001484
p1 3.446e-05 ± 7.91e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

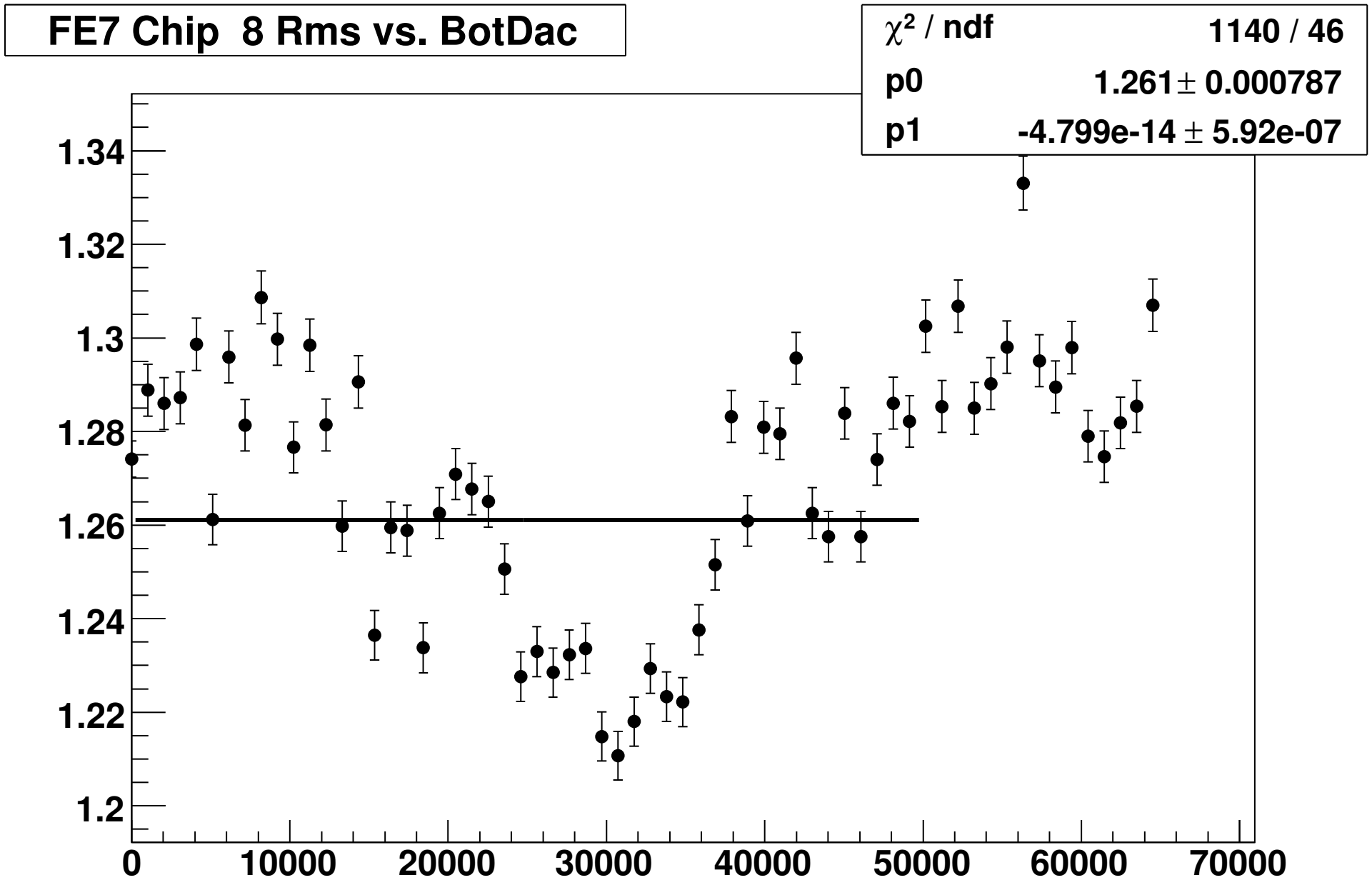

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 1.489e+04 / 46
p0 5.81 ± 0.002589
p1 3.886e-06 ± 8.999e-08
6.4
6.2
6
5.8
5.6
0
10000
20000
30000
40000
50000
60000
70000

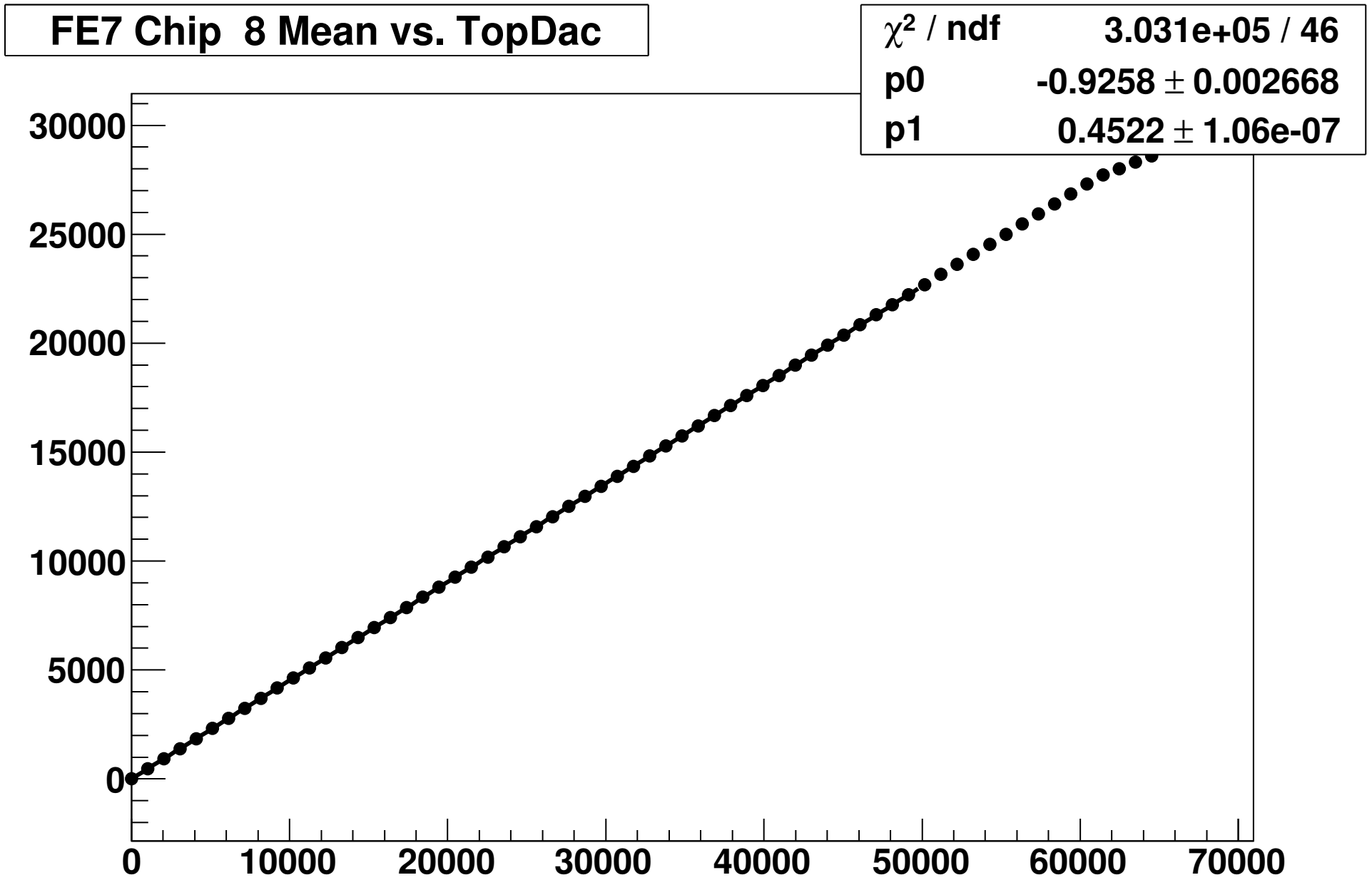

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 85.4 / 46
p0 1.448 ± 0.001361
p1 3.335e-06 ± 5.361e-07
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

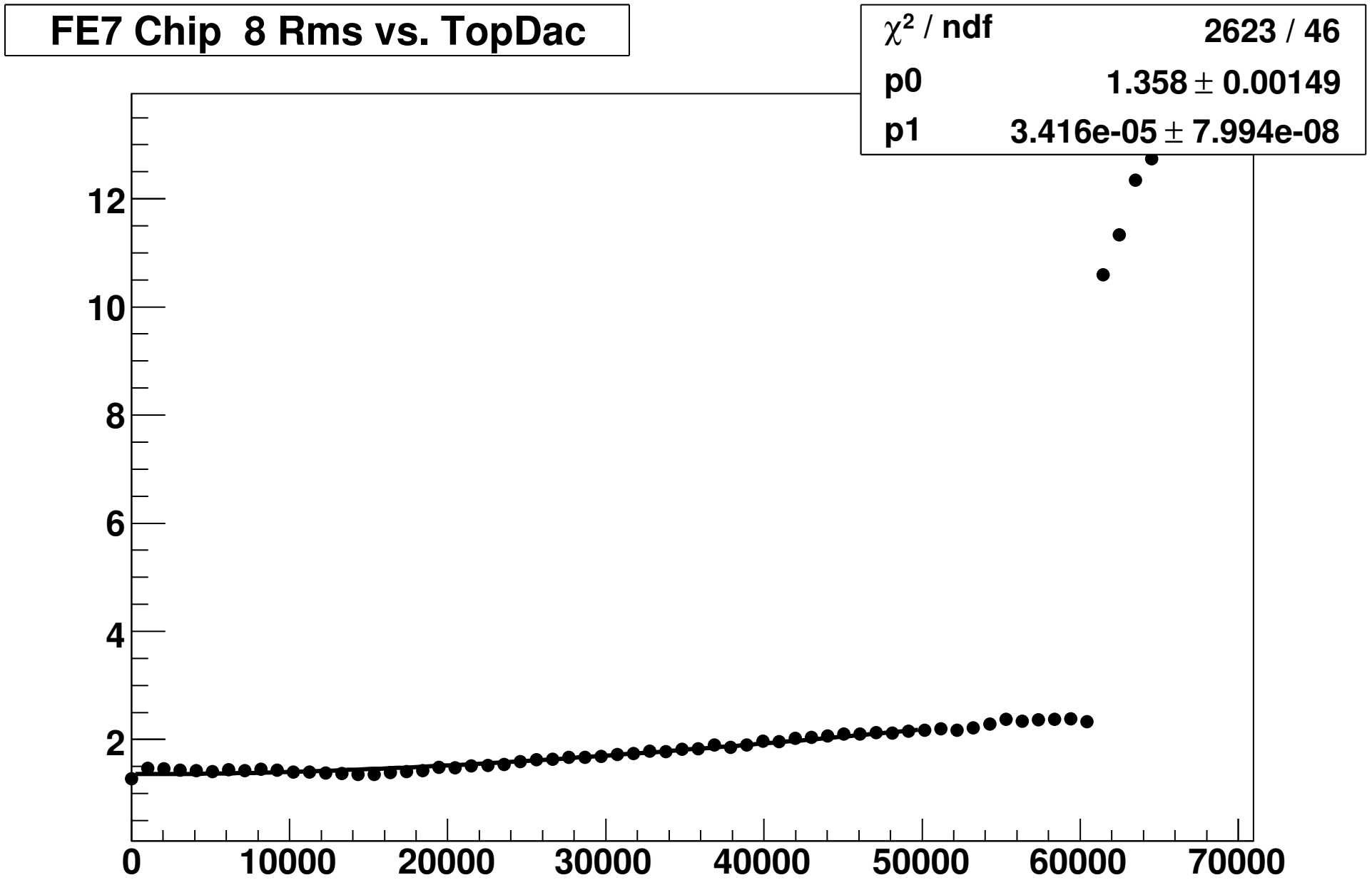

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 3.575e+05 / 46
p0 7.419 ± 0.002664
p1 0.4523 ± 1.057e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

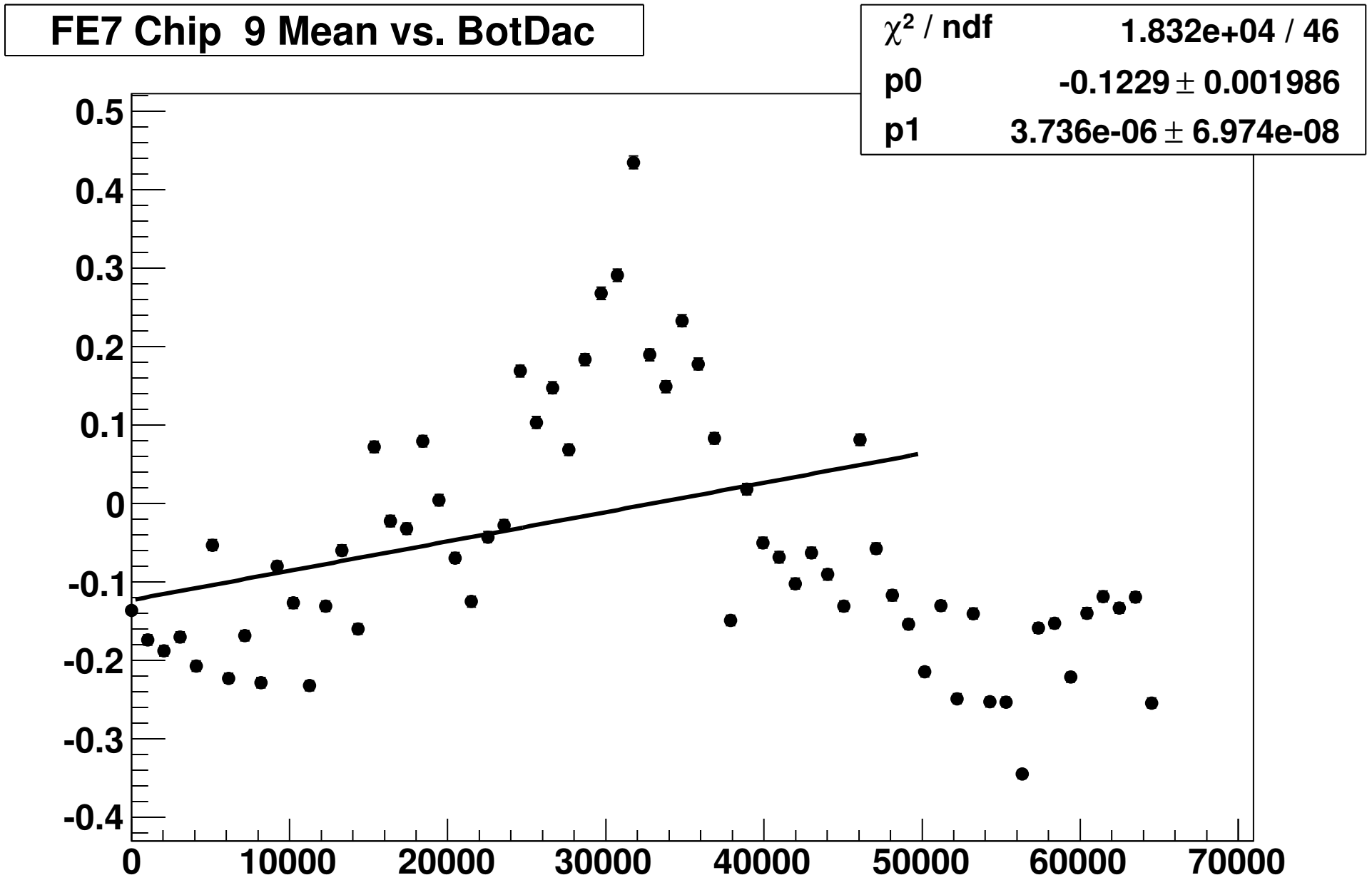

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 2394 / 46
p0 1.36 ± 0.001489
p1 3.394e-05 ± 8.015e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

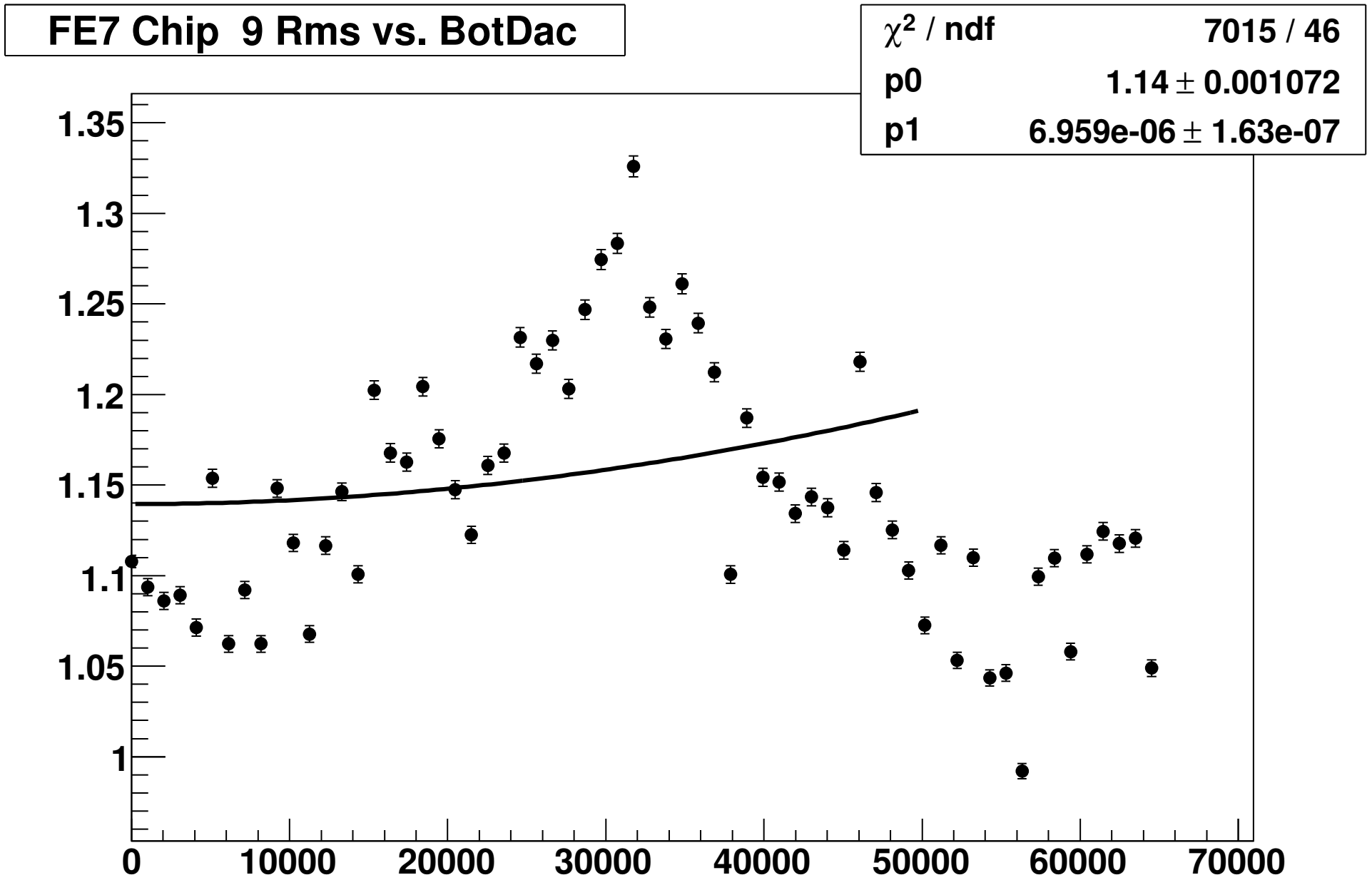

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 2.156e+04 / 46
p0 -1.97 ± 0.002284
p1 4.56e-06 ± 7.908e-08
-1.4
-1.6
-1.8
-2
-2.2
0
10000
20000
30000
40000
50000
60000
70000

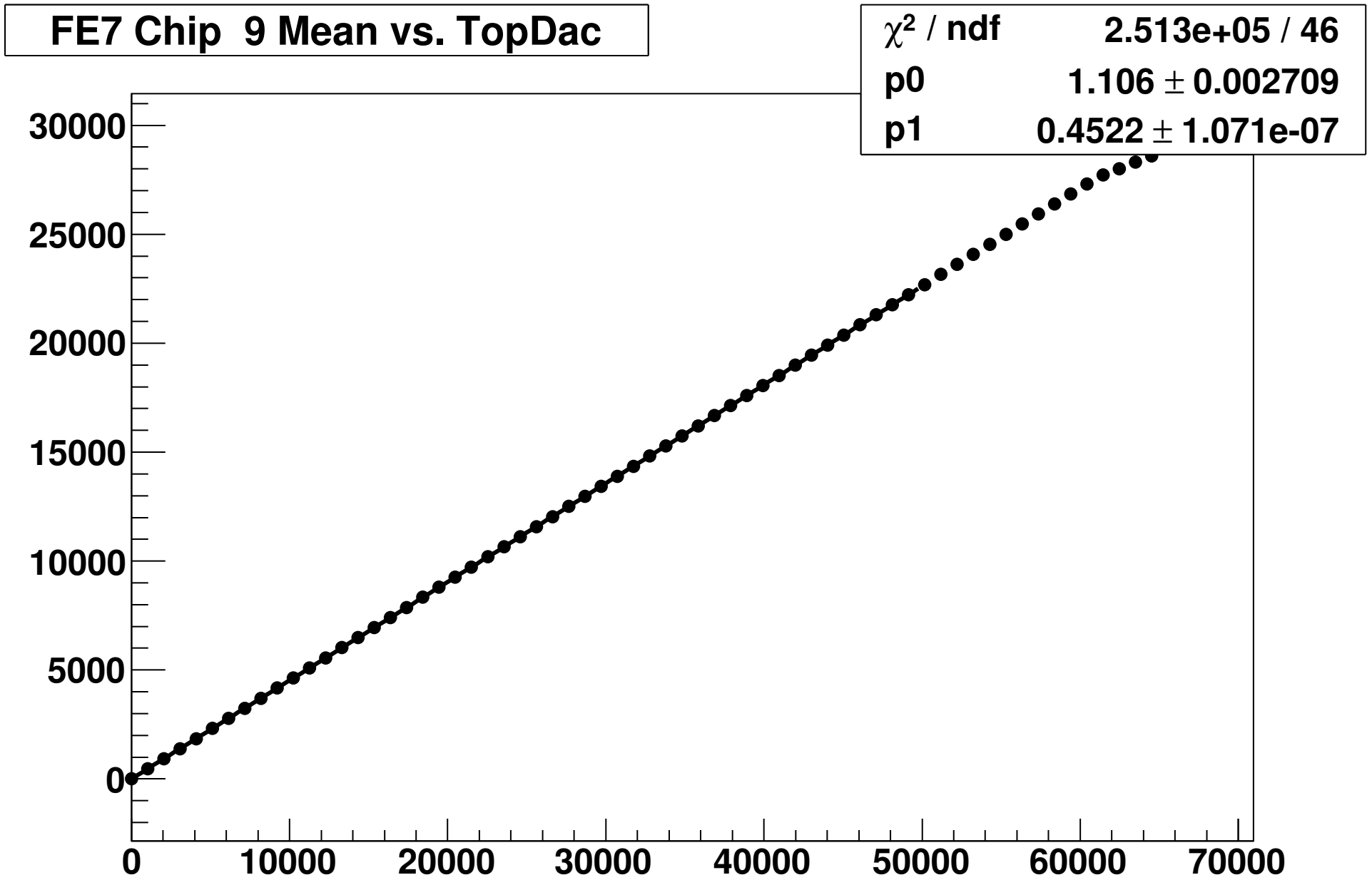

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 1140 / 46
p0 1.261 ± 0.000787
p1 -4.799e-14 ± 5.92e-07
1.34
1.32
1.3
1.28
1.26
1.24
1.22
1.2
0
10000
20000
30000
40000
50000
60000
70000

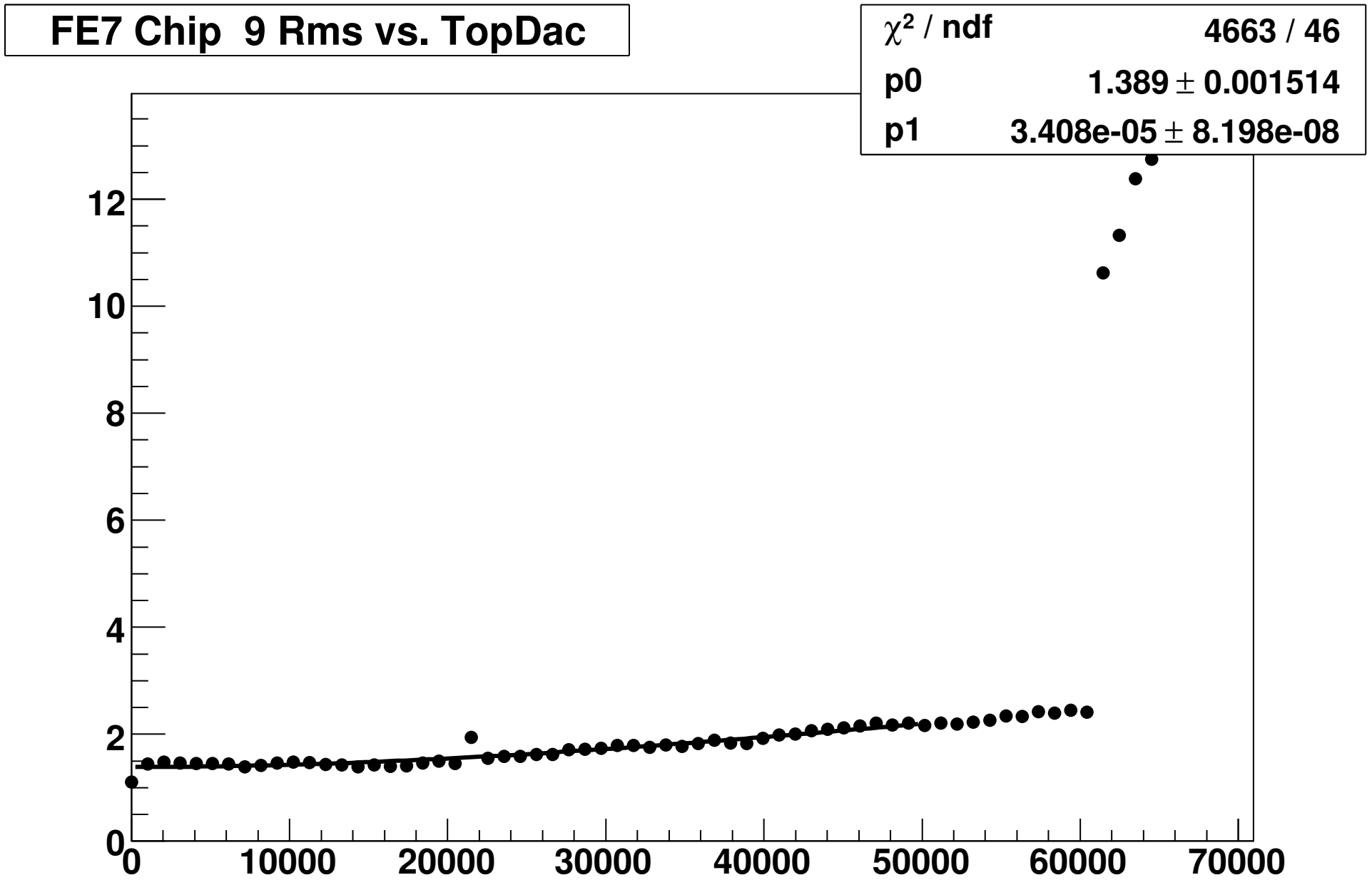

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 3.031e+05 / 46
p0 -0.9258 ± 0.002668
p1 0.4522 ± 1.06e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

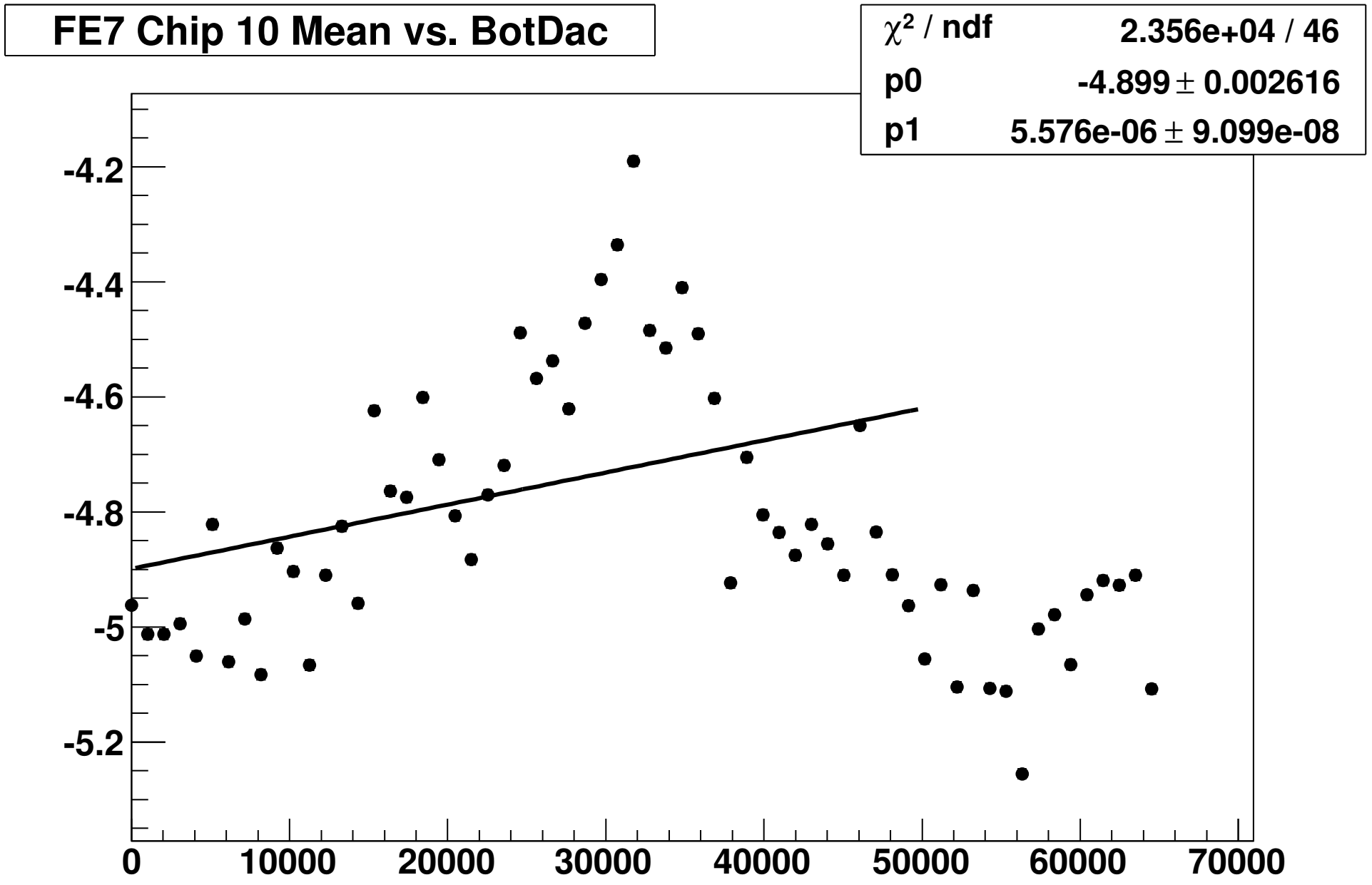

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 2623 / 46
p0 1.358 ± 0.00149
p1 3.416e-05 ± 7.994e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

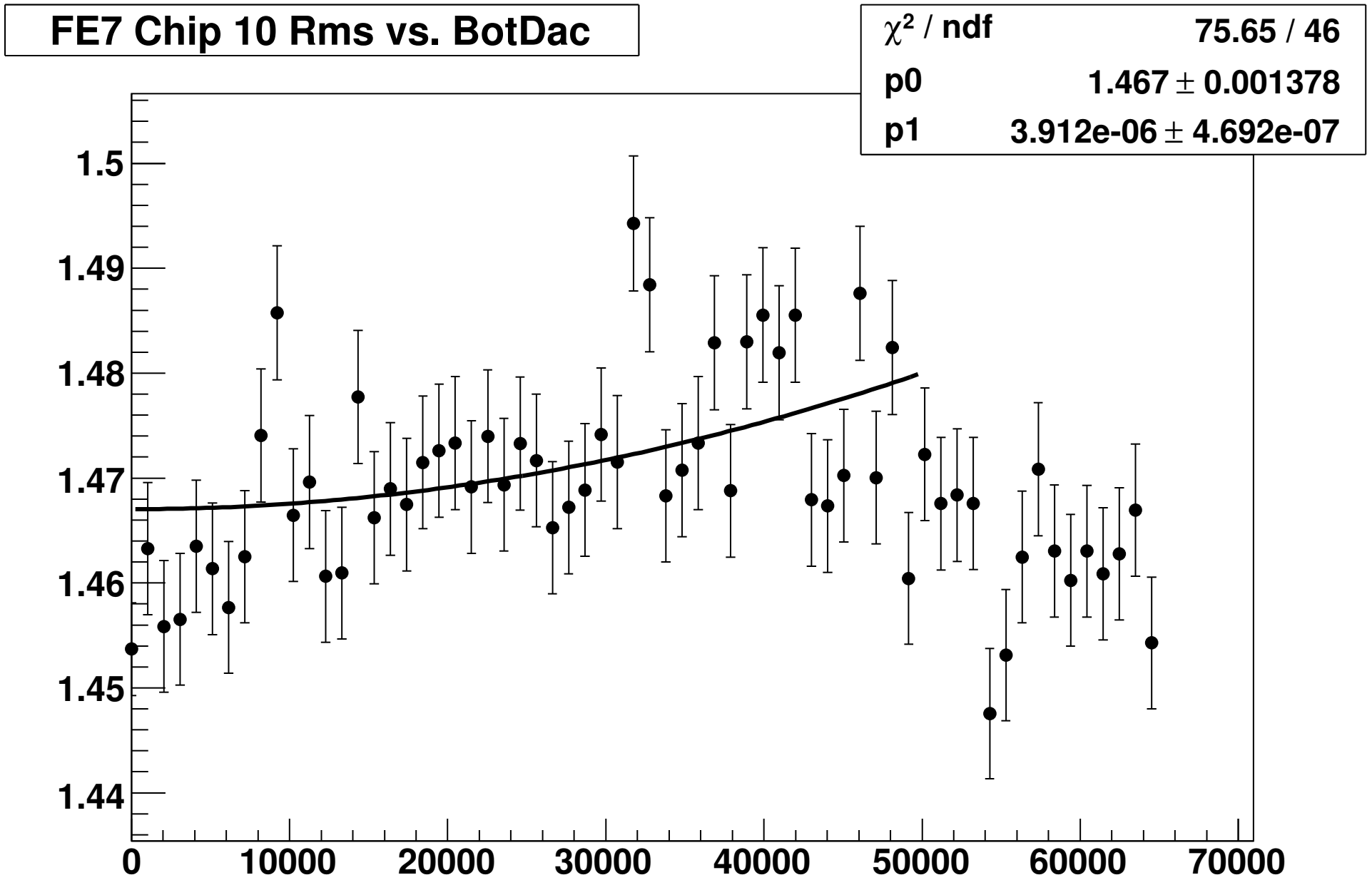

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 1.832e+04 / 46
p0 -0.1229 ± 0.001986
p1 3.736e-06 ± 6.974e-08
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
0
10000
20000
30000
40000
50000
60000
70000

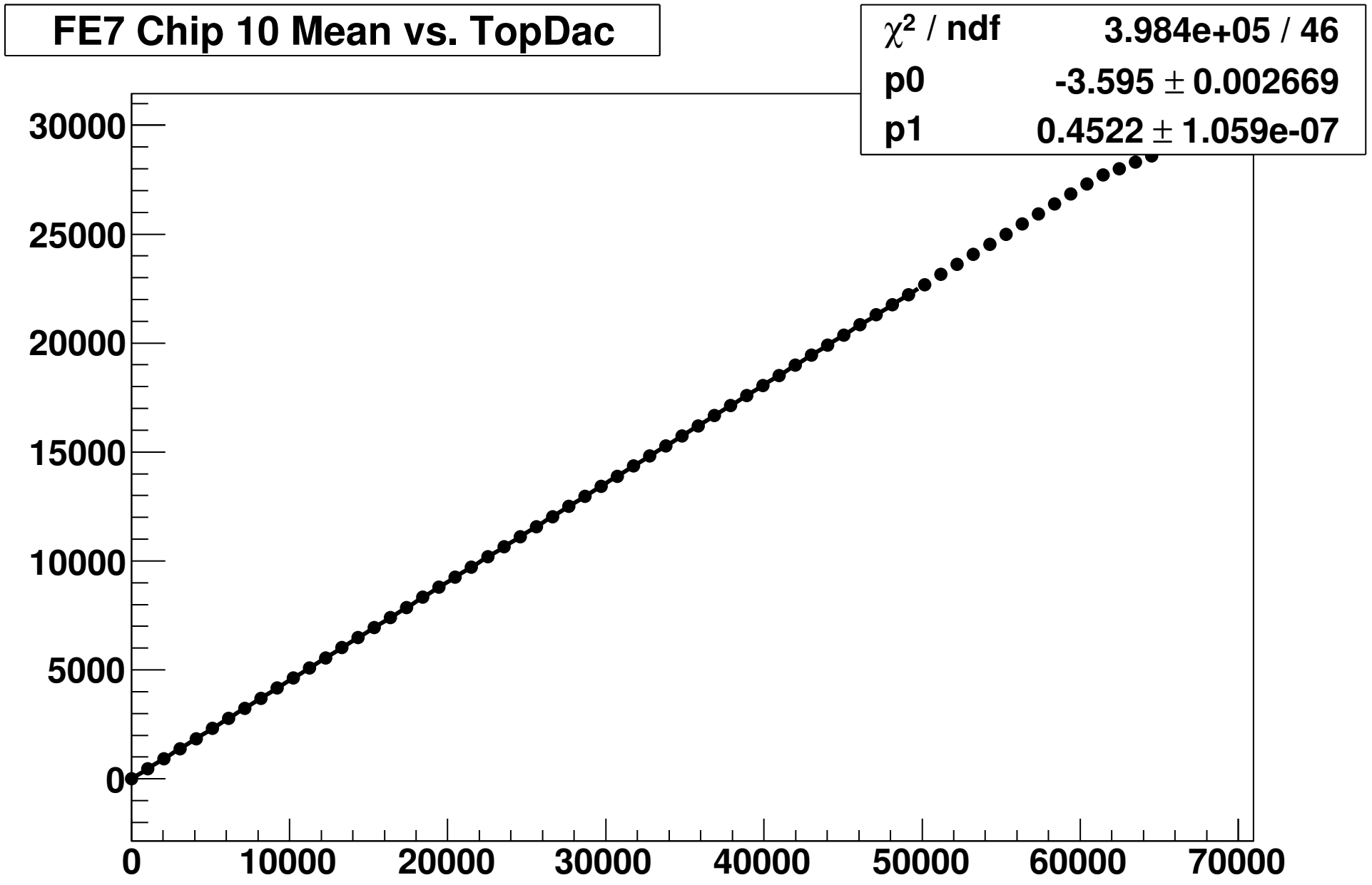

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 7015 / 46
p0 1.14 ± 0.001072
p1 6.959e-06 ± 1.63e-07
1.35
1.3
1.25
1.2
1.15
1.1
1.05
1
0
10000
20000
30000
40000
50000
60000
70000

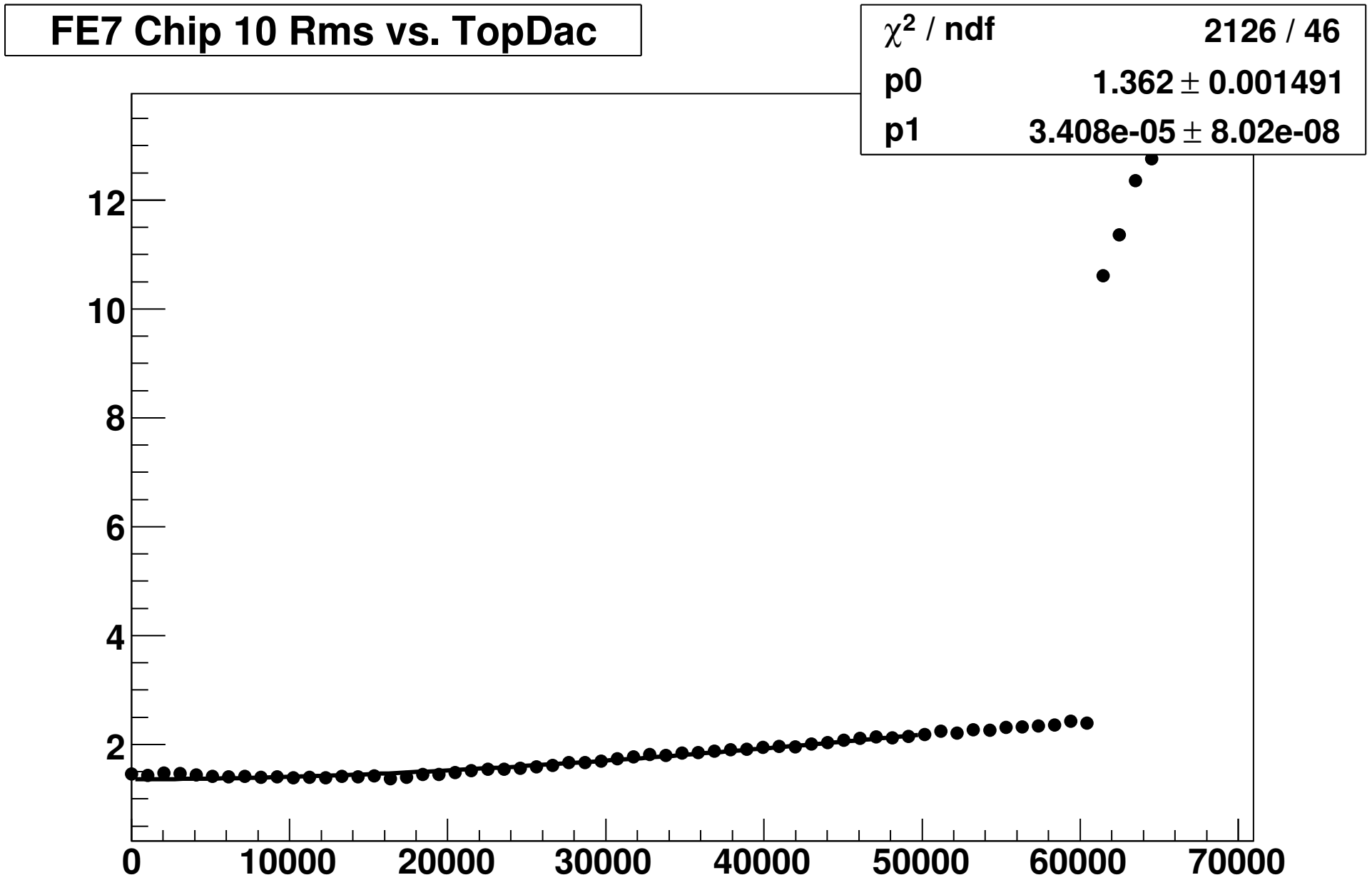

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 2.513e+05 / 46
p0 1.106 ± 0.002709
p1 0.4522 ± 1.071e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

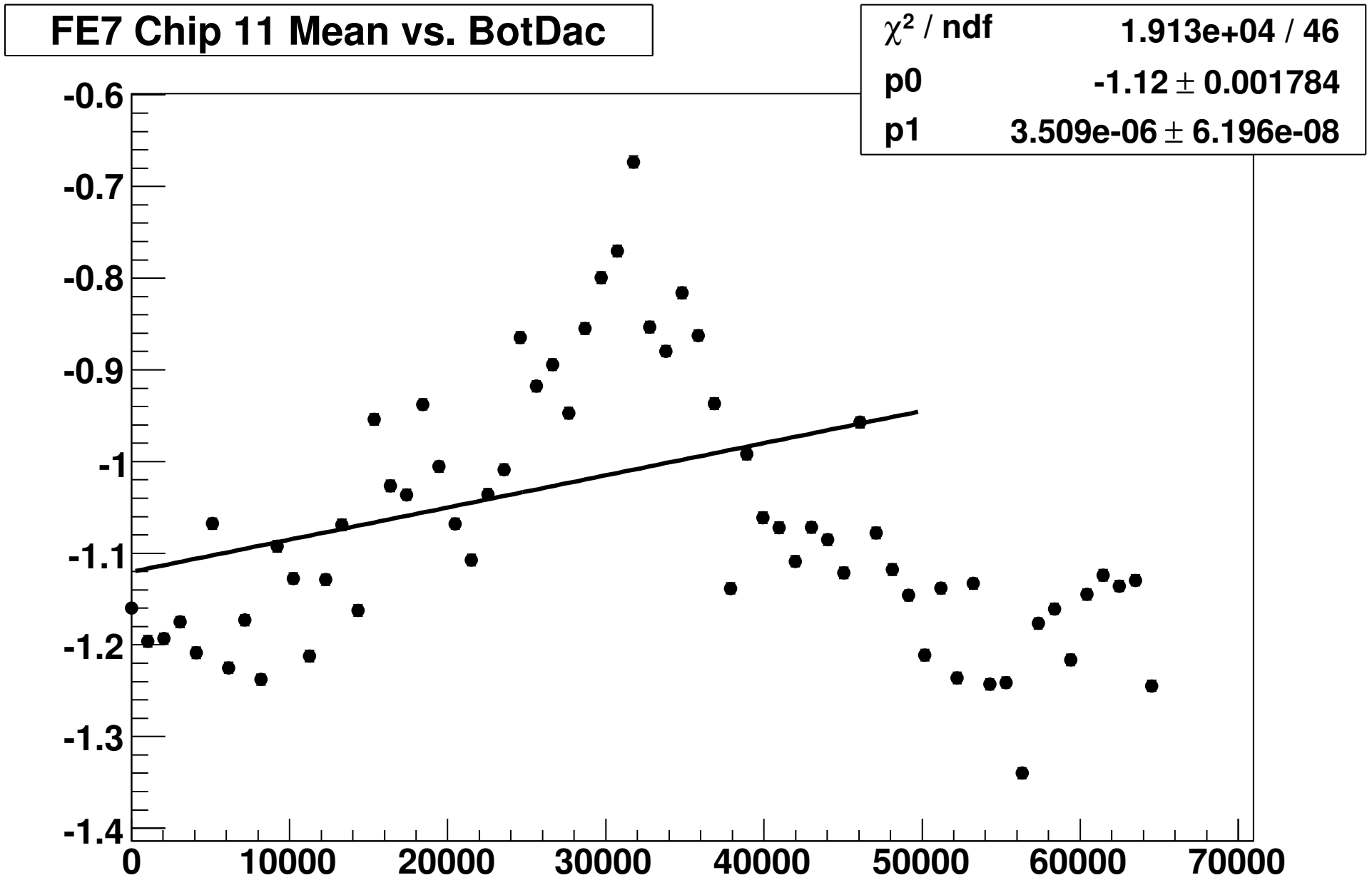

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 4663 / 46
p0 1.389 ± 0.001514
p1 3.408e-05 ± 8.198e-08
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000
70000

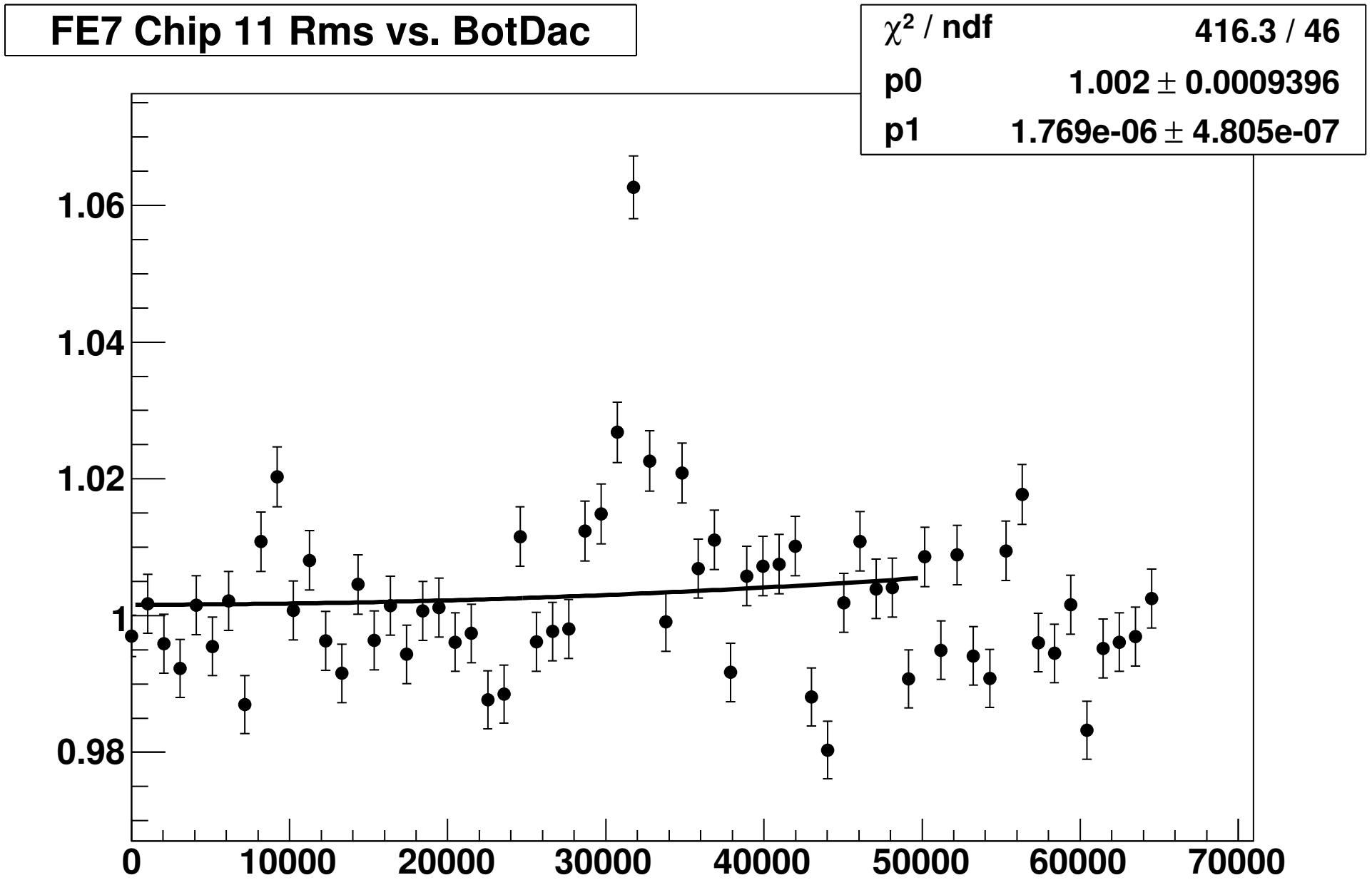

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 2.356e+04 / 46
p0 -4.899 ± 0.002616
p1 5.576e-06 ± 9.099e-08
-4.2
-4.4
-4.6
-4.8
-5
-5.2
0
10000
20000
30000
40000
50000
60000
70000

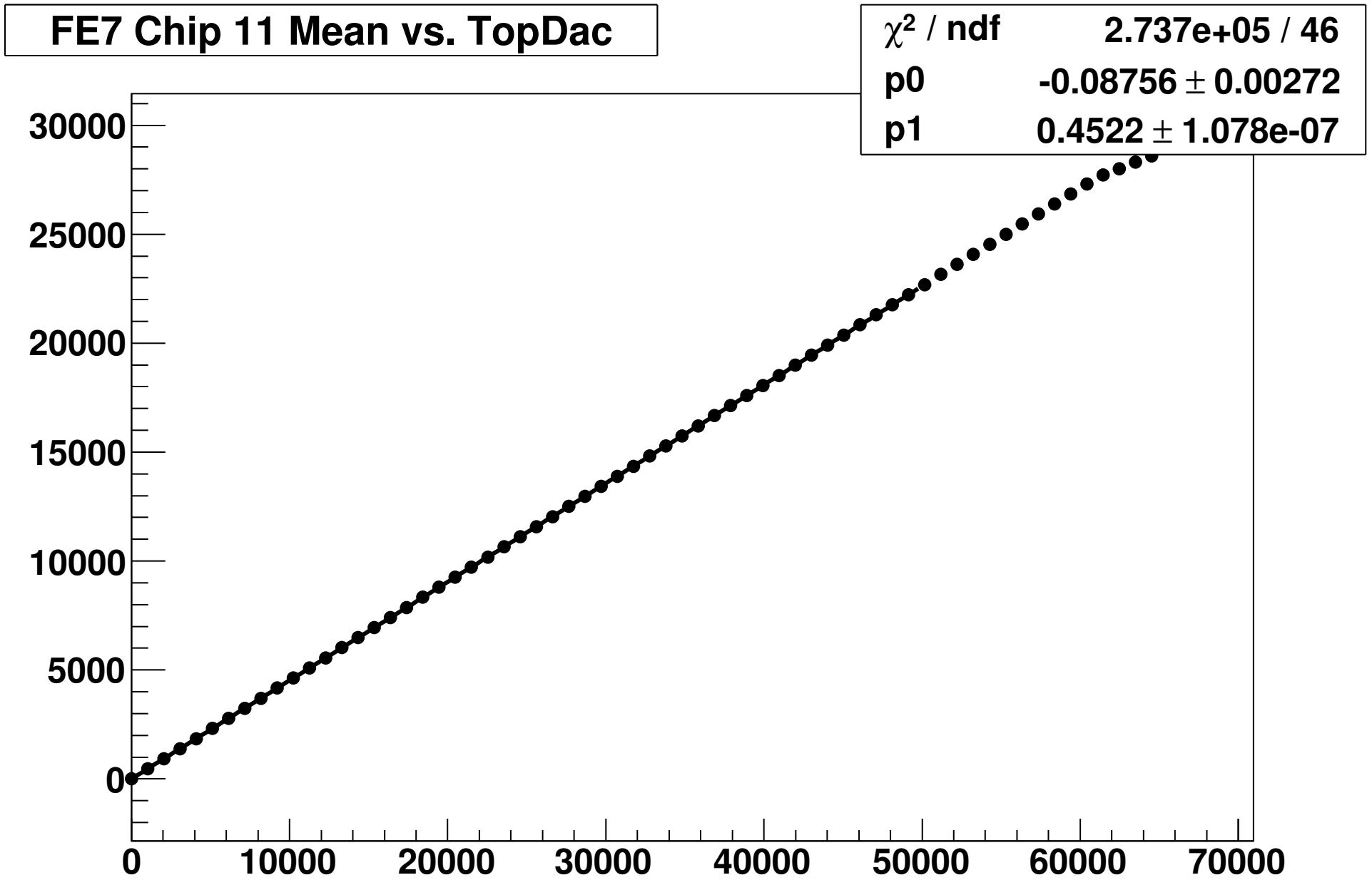

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 75.65 / 46
p0 1.467 ± 0.001378
p1 3.912e-06 ± 4.692e-07
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000

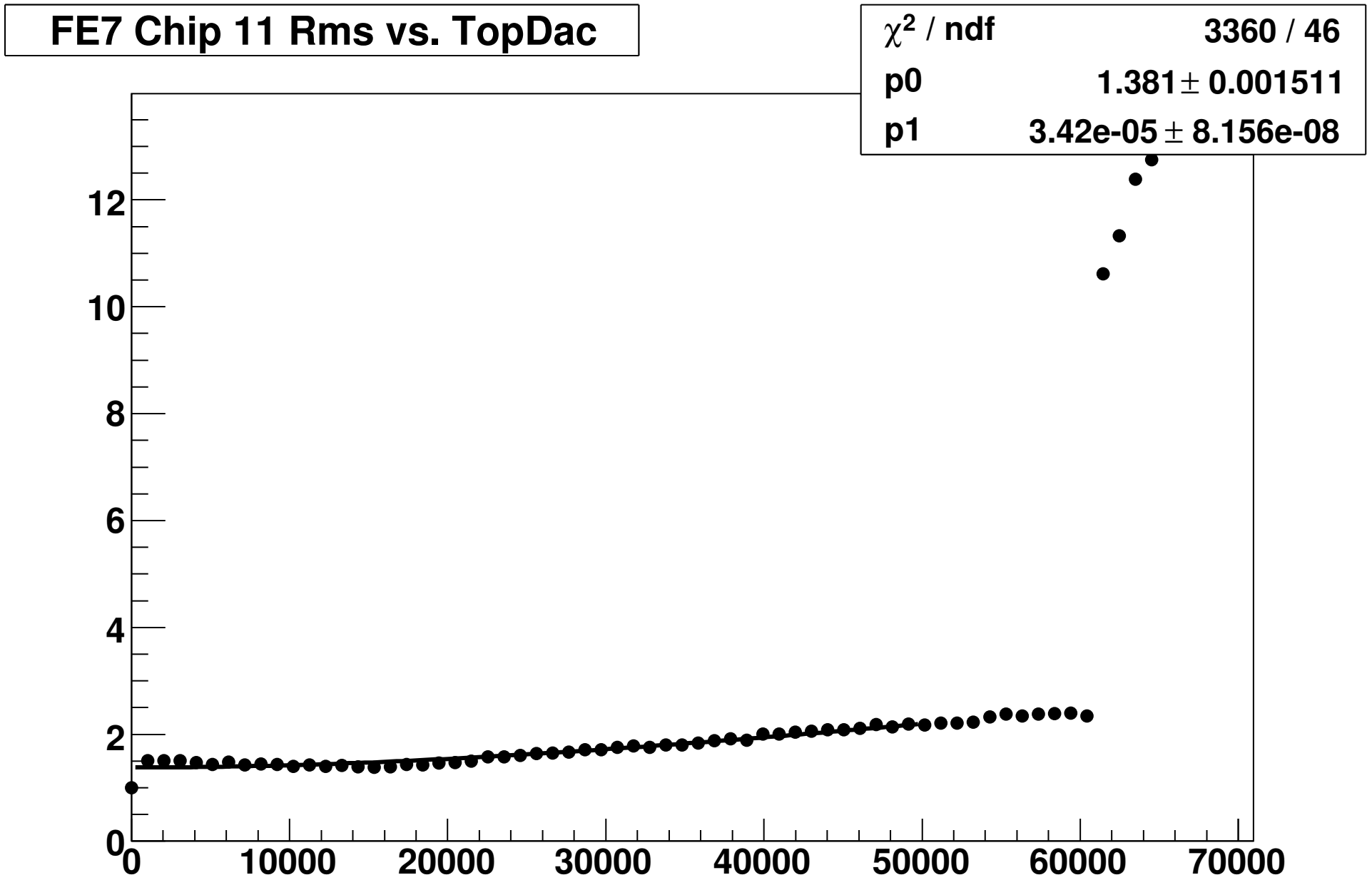

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 3.984e+05 / 46
p0 -3.595 ± 0.002669
p1 0.4522 ± 1.059e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

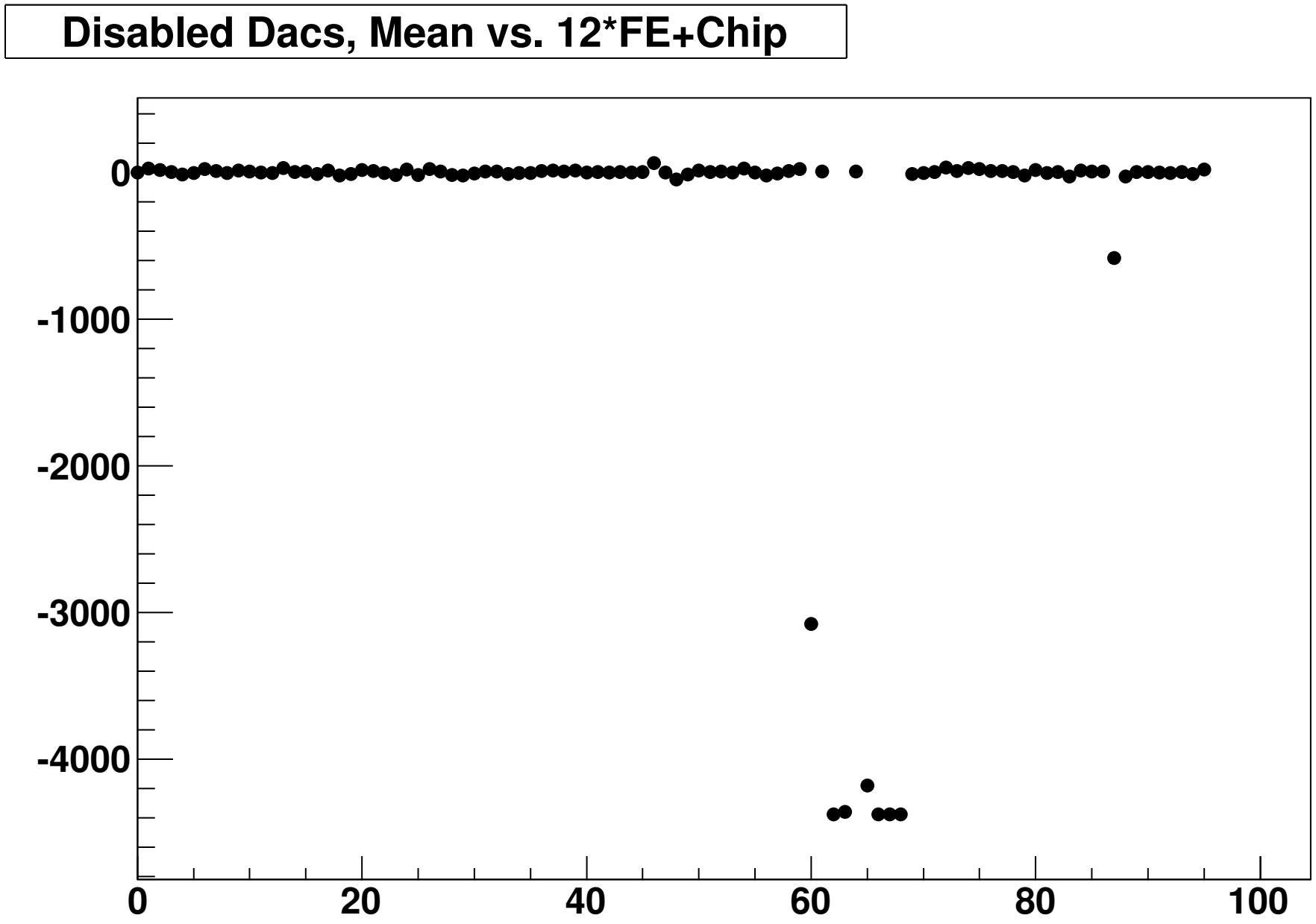

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 2126 / 46
p0 1.362 ± 0.001491
p1 3.408e-05 ± 8.02e-08
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

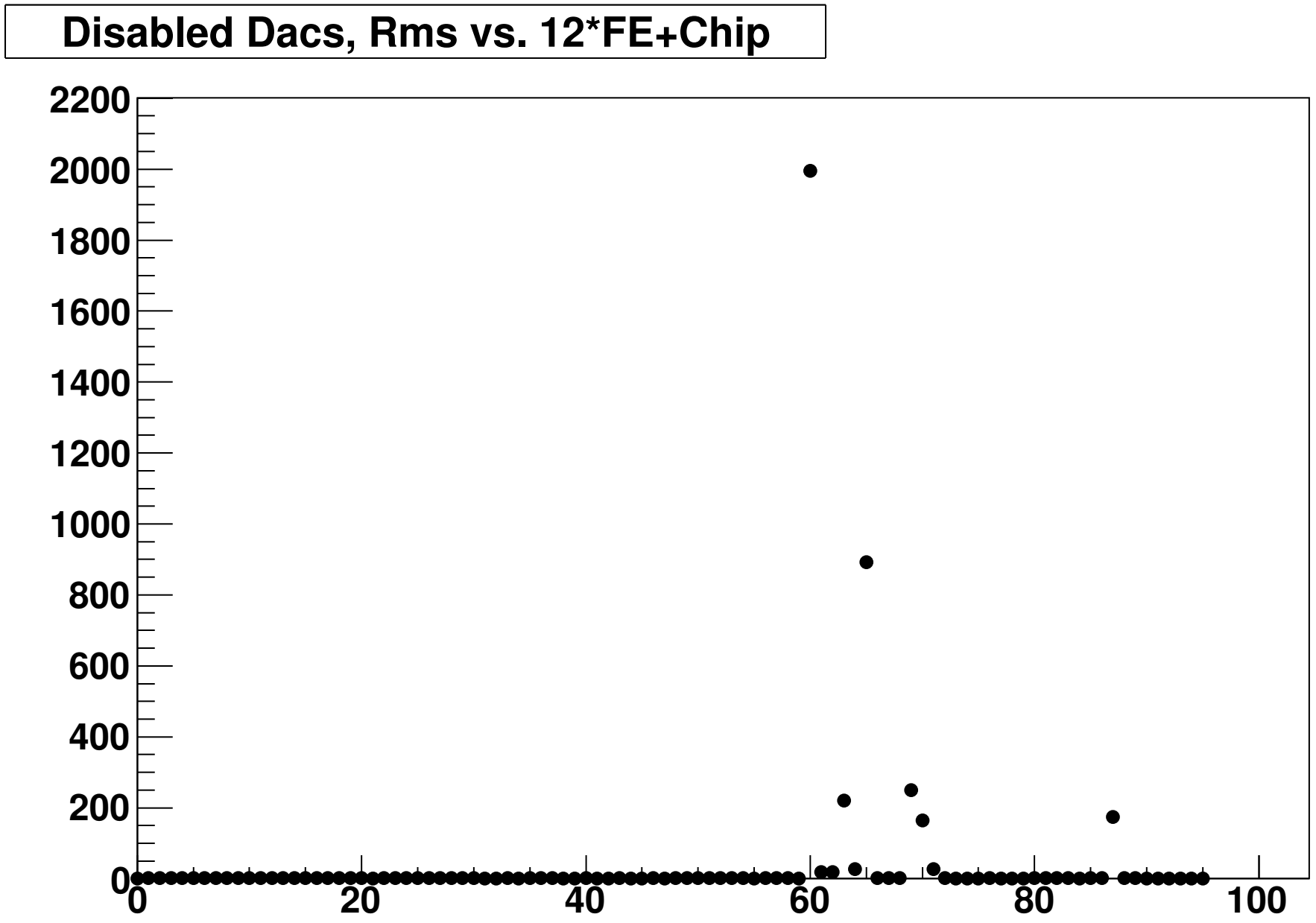

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 1.913e+04 / 46
p0 -1.12 ± 0.001784
p1 3.509e-06 ± 6.196e-08
-0.6
-0.7
-0.8
-0.9
-1
-1.1
-1.2
-1.3
-1.4
0
10000
20000
30000
40000
50000
60000
70000

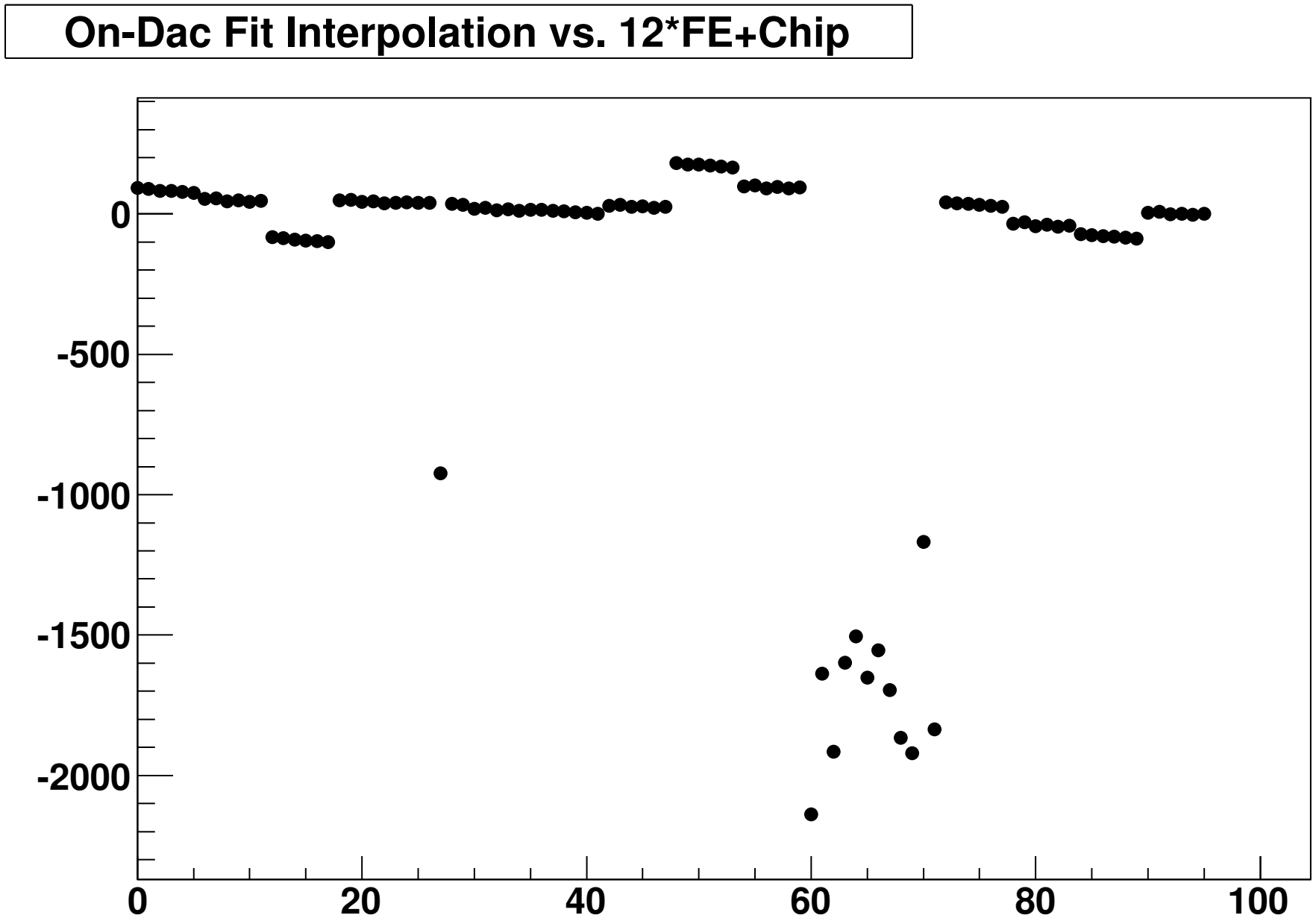

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 416.3 / 46
p0 1.002 ± 0.0009396
p1 1.769e-06 ± 4.805e-07
1.06
1.04
1.02
1
0.98
0
10000
20000
30000
40000
50000
60000
70000

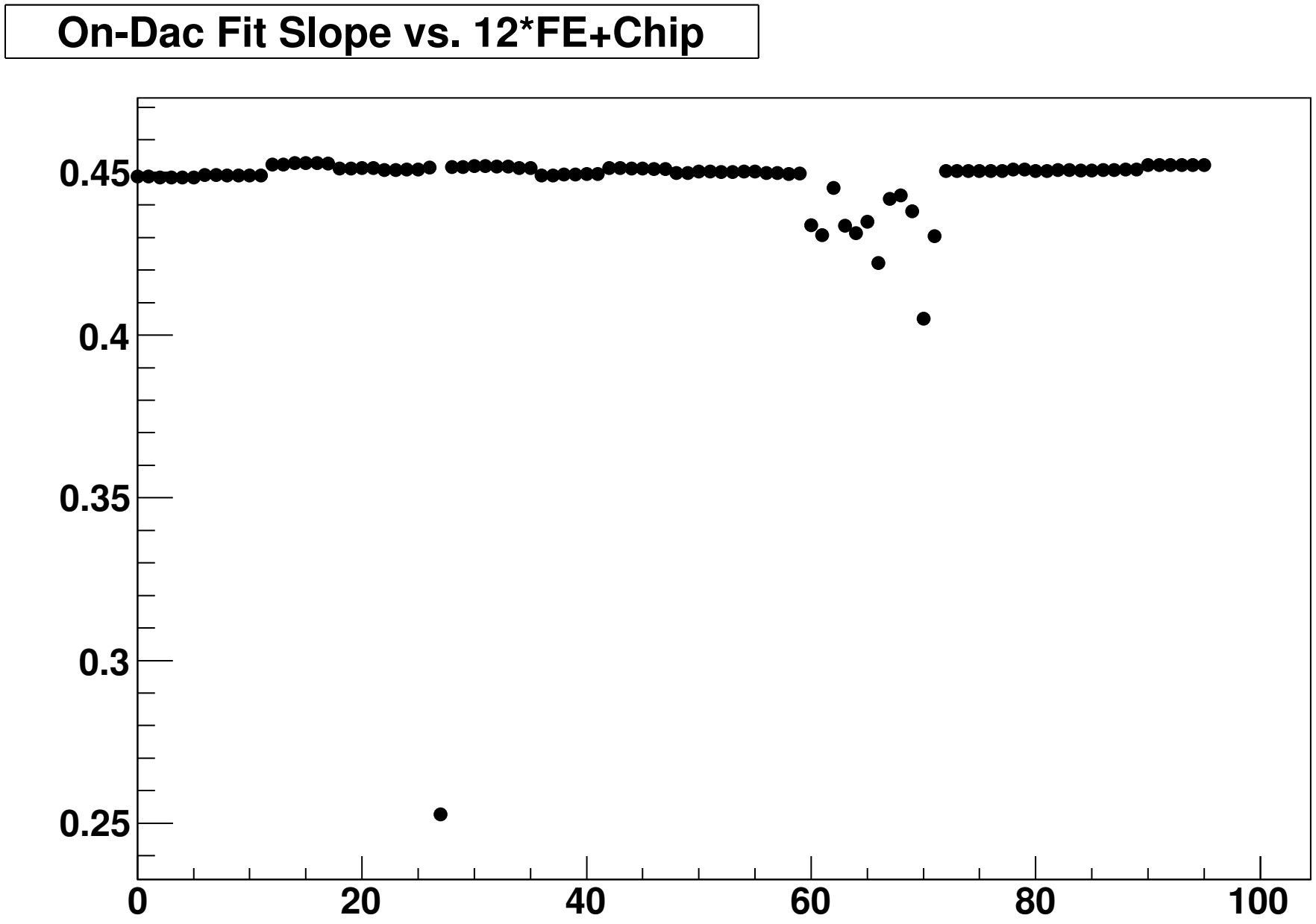

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 2.737e+05 / 46
p0 -0.08756 ± 0.00272
p1 0.4522 ± 1.078e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

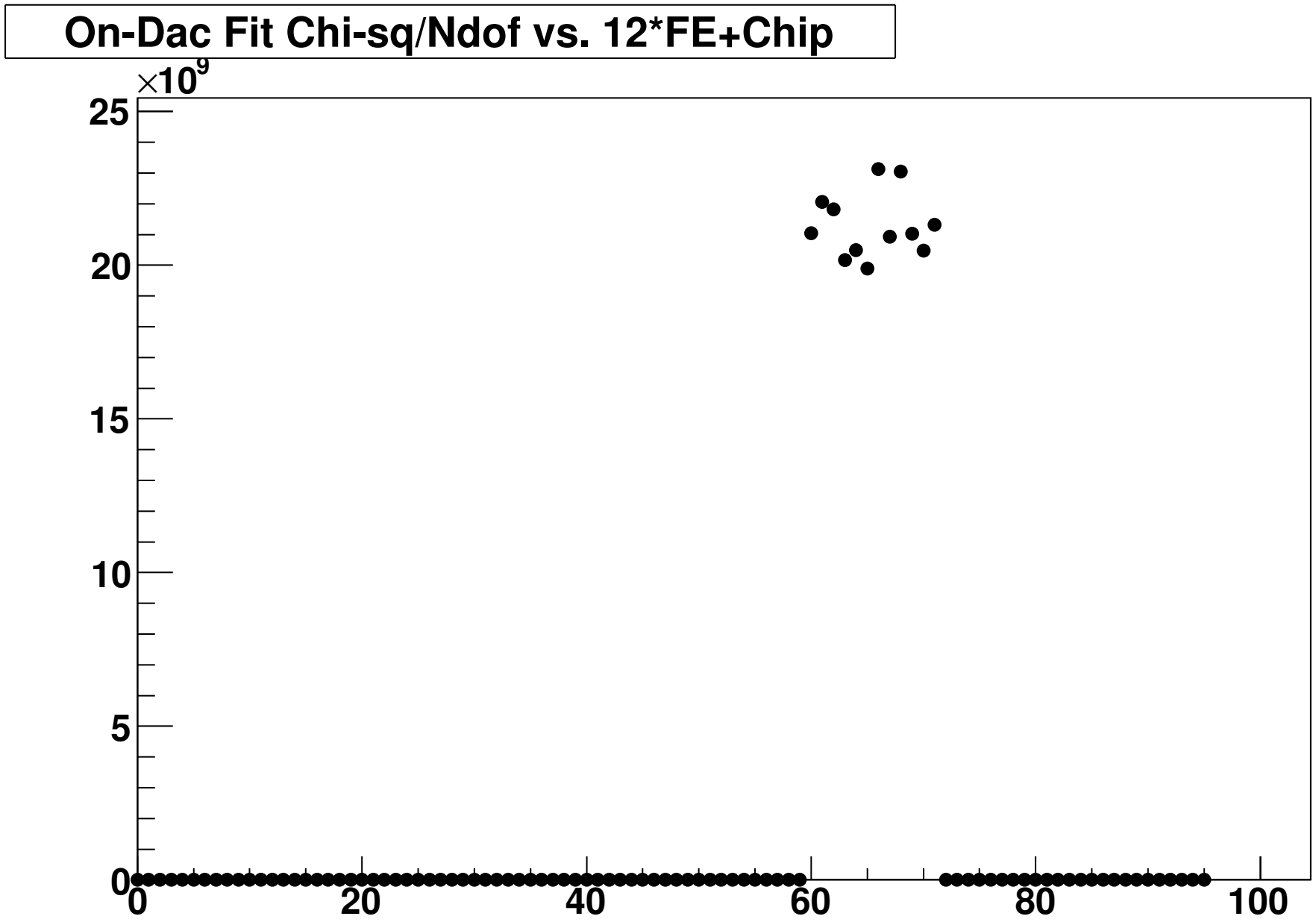

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 3360 / 46
p0 1.381 ± 0.001511
p1 3.42e-05 ± 8.156e-08
0
2
4
6
8
10
12
0
10000
20000
30000
40000
50000
60000
70000

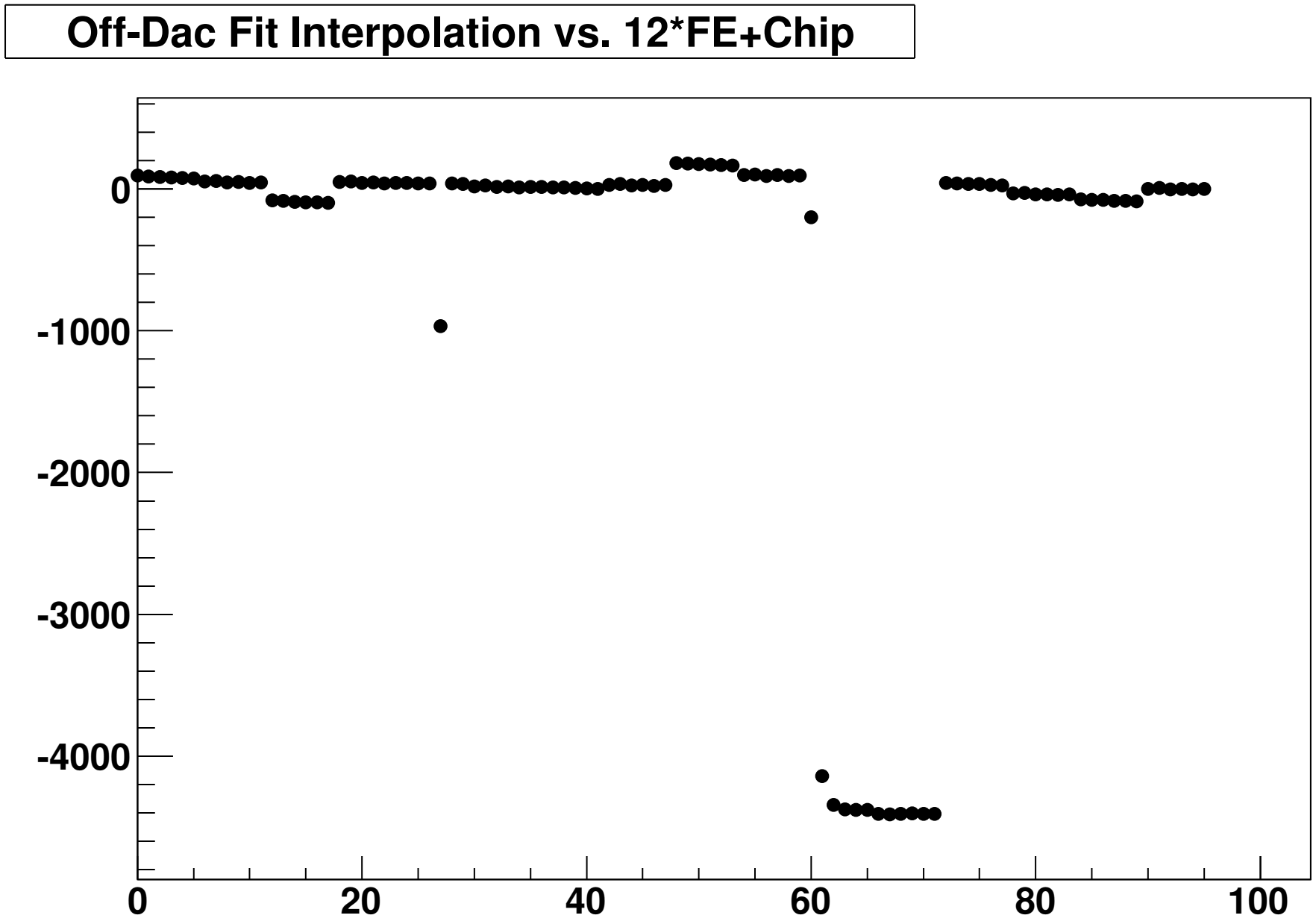

Disabled Dacs, Mean vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
0
20
40
60
80
100

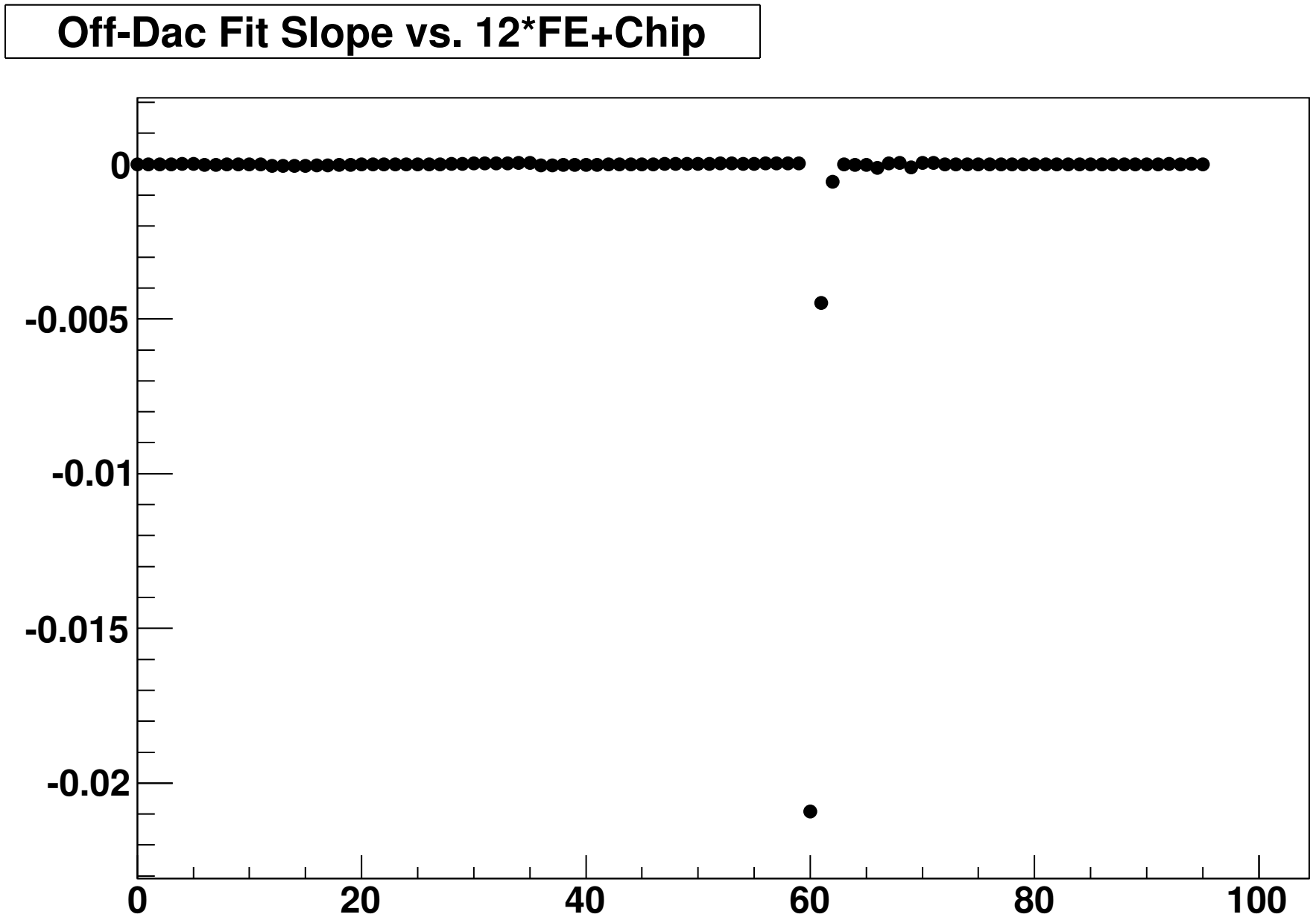

Disabled Dacs, Rms vs. 12*FE+Chip
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100

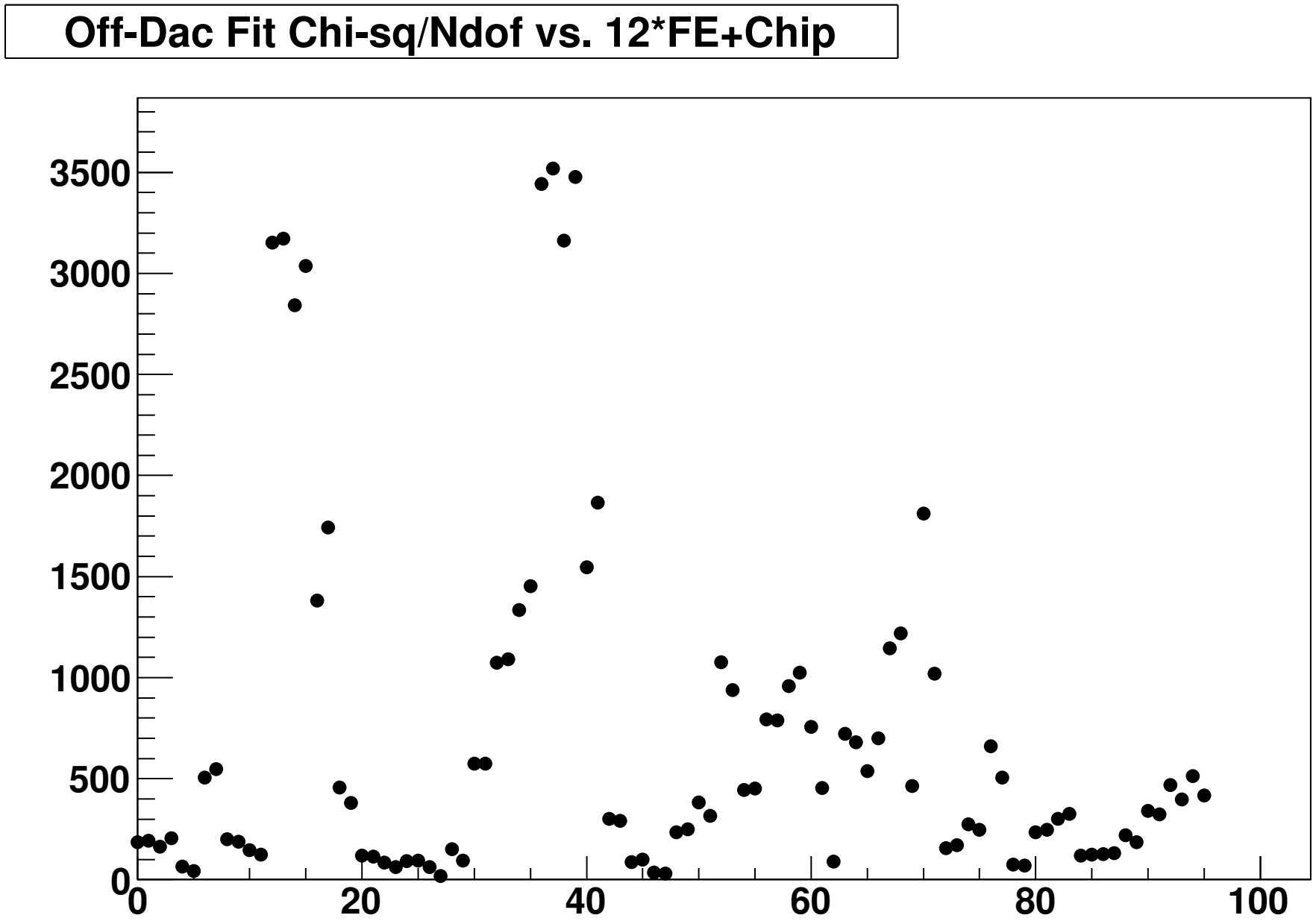

On-Dac Fit Interpolation vs. 12*FE+Chip
0
-500
-1000
-1500
-2000
0
20
40
60
80
100

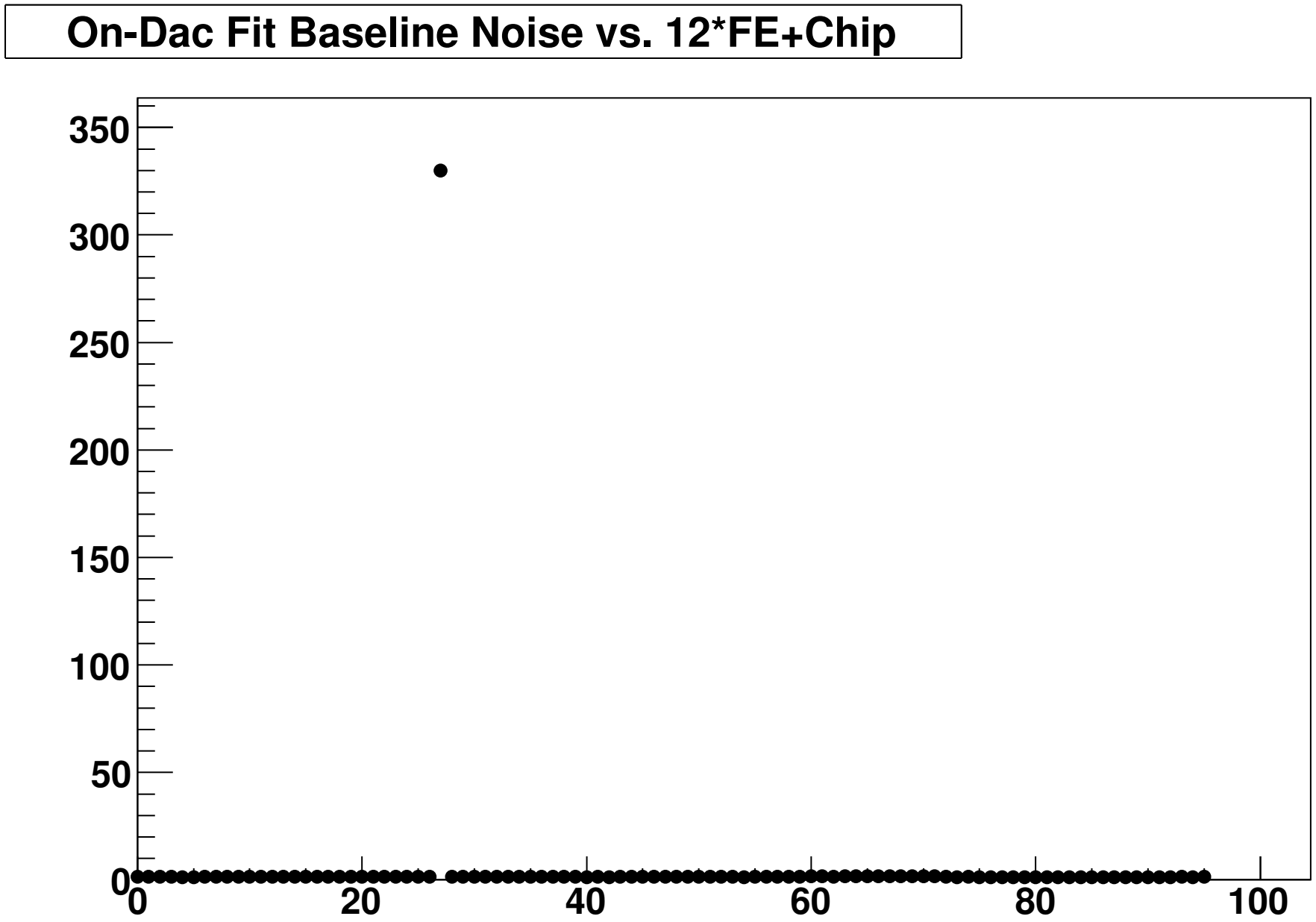

On-Dac Fit Slope vs. 12*FE+Chip
0.45
0.4
0.35
0.3
0.25
0
20
40
60
80
100

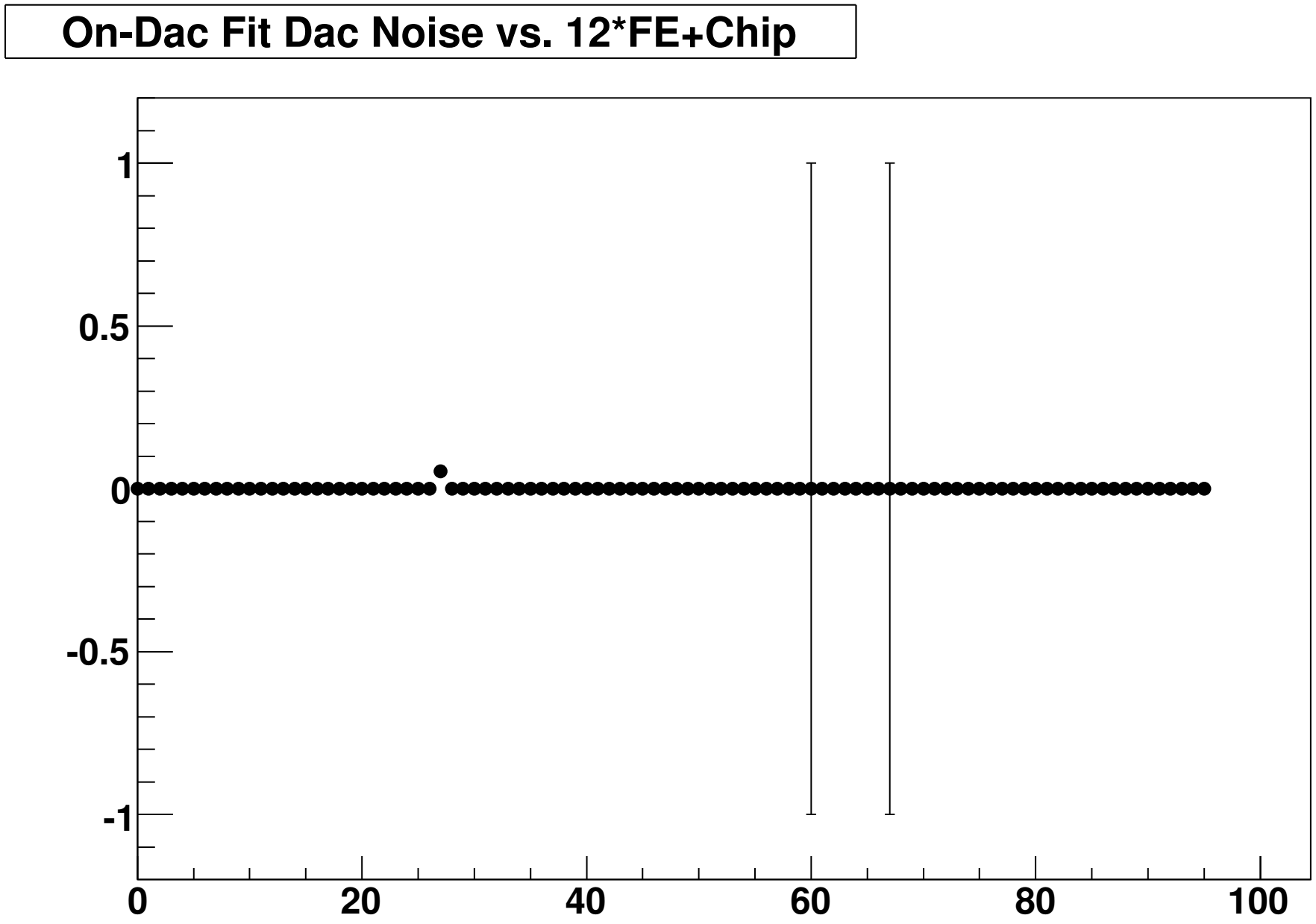

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^9
25
20
15
10
5
0
0
20
40
60
80
100

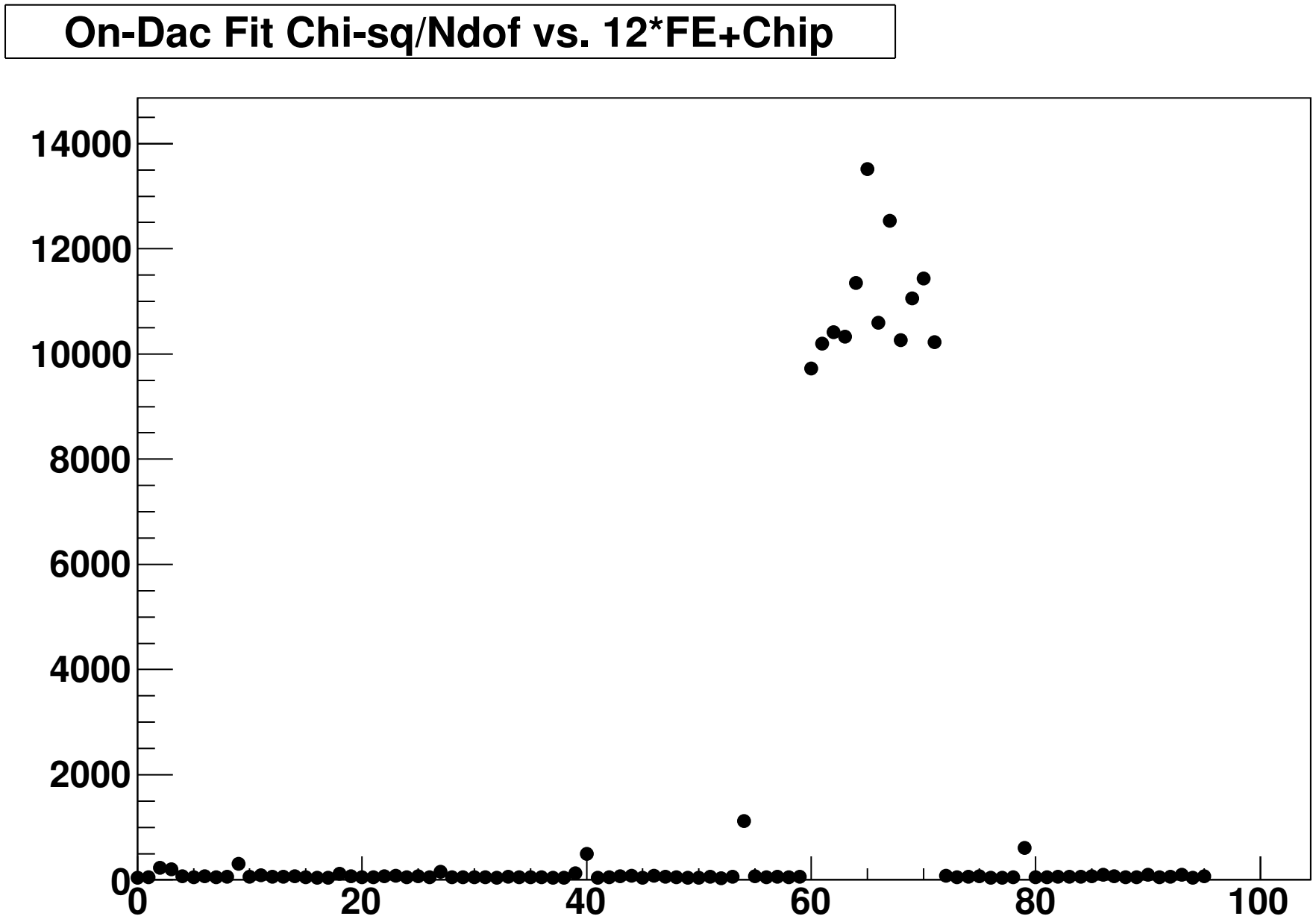

Off-Dac Fit Interpolation vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
0
20
40
60
80
100

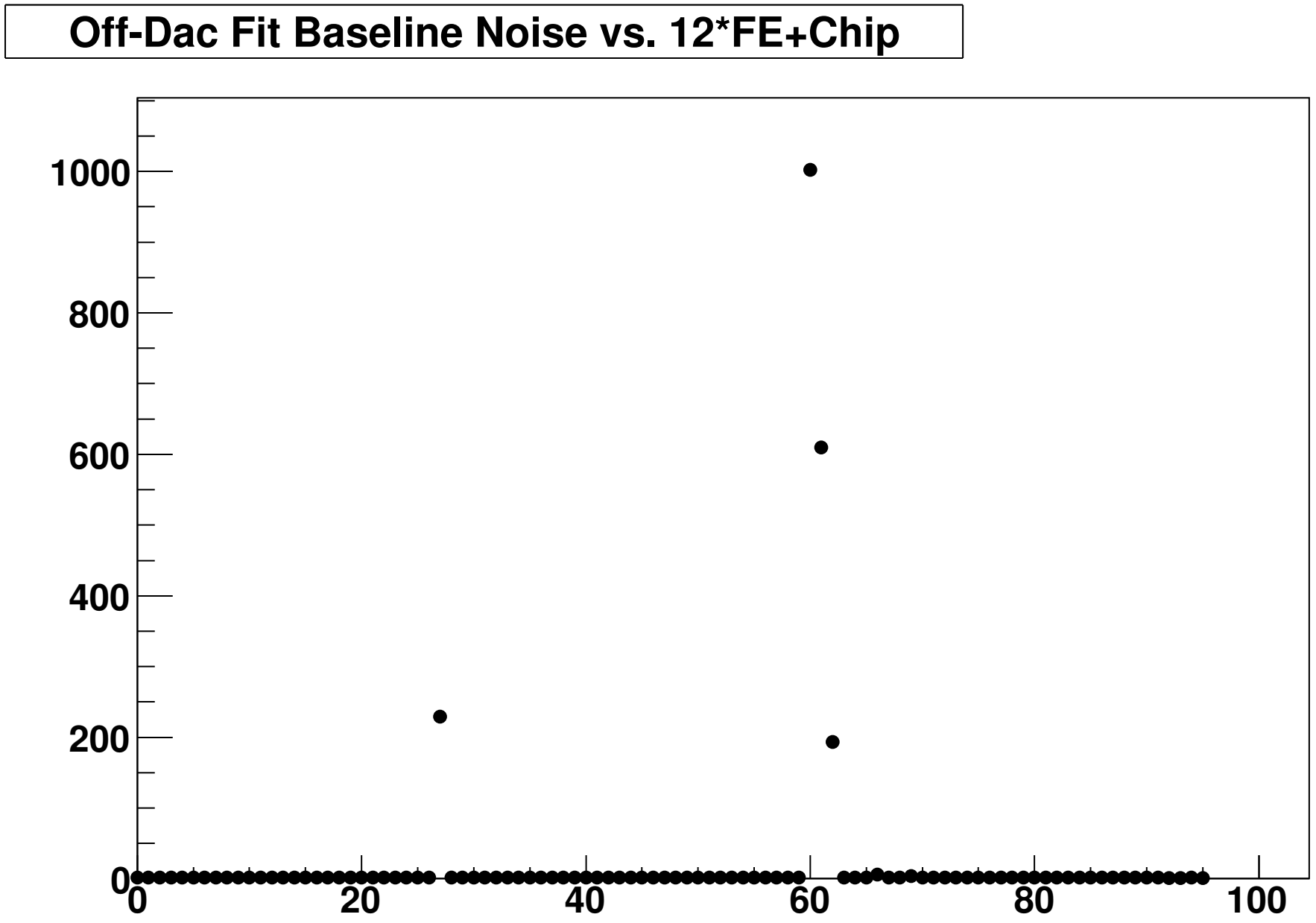

Off-Dac Fit Slope vs. 12*FE+Chip
0
-0.005
-0.01
-0.015
-0.02
0
20
40
60
80
100

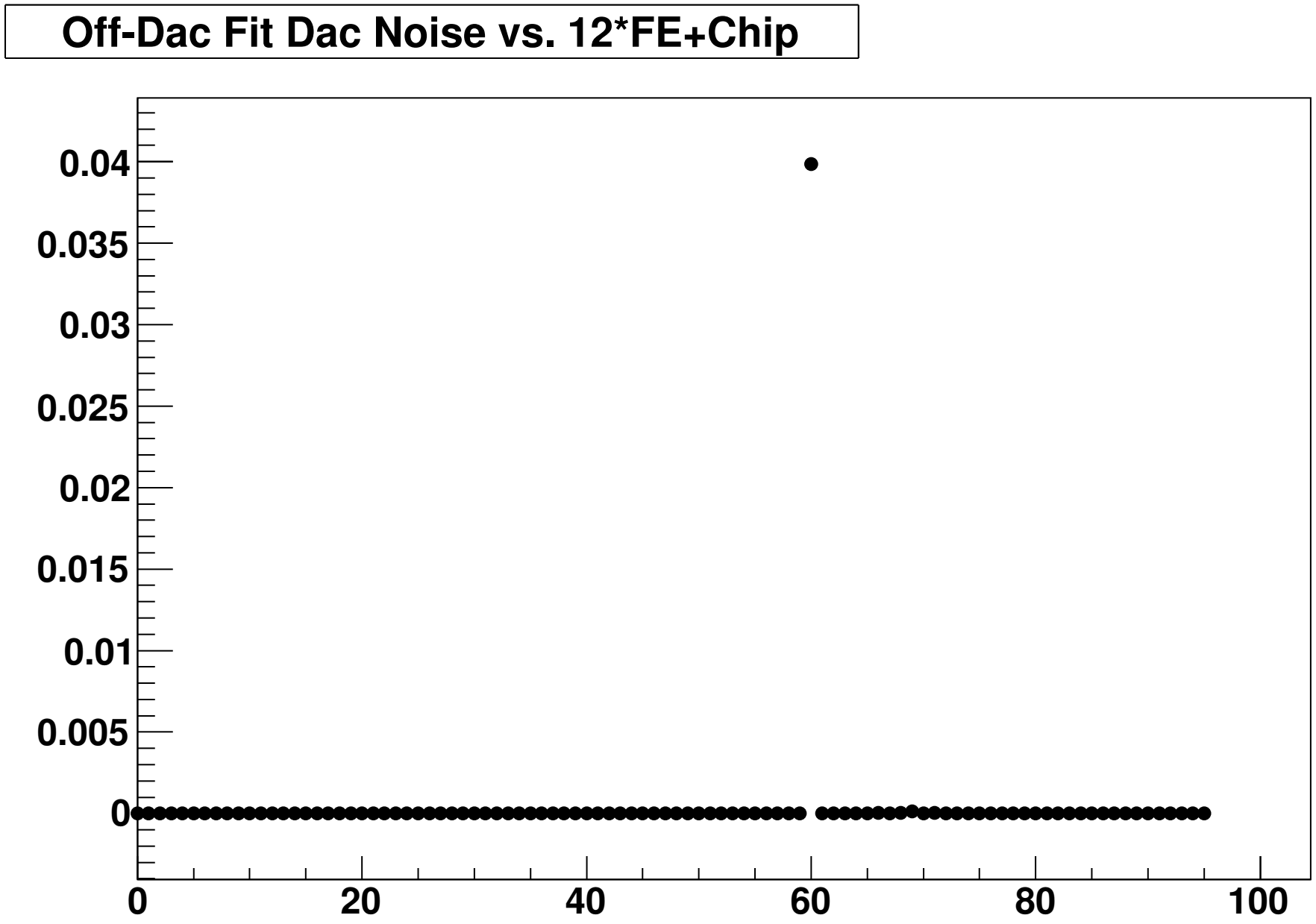

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
3500
3000
2500
2000
1500
1000
500
0
0
20
40
60
80
100

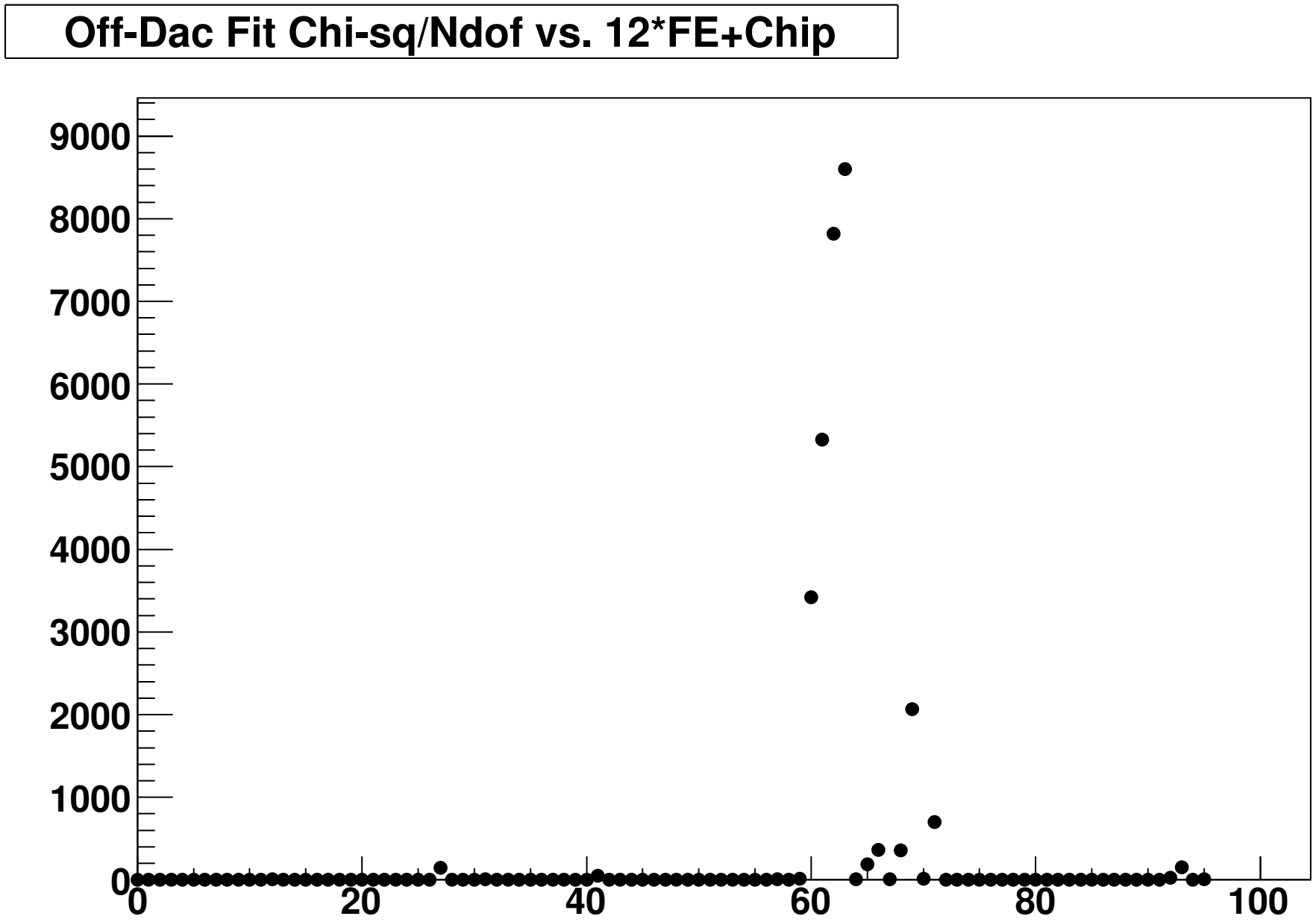

On-Dac Fit Baseline Noise vs. 12*FE+Chip
350
300
250
200
150
100
50
0
0
20
40
60
80
100


On-Dac Fit Dac Noise vs. 12*FE+Chip
1
0.5
0
-0.5
-1
0
20
40
60
80
100


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


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


Off-Dac Fit Dac Noise vs. 12*FE+Chip
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
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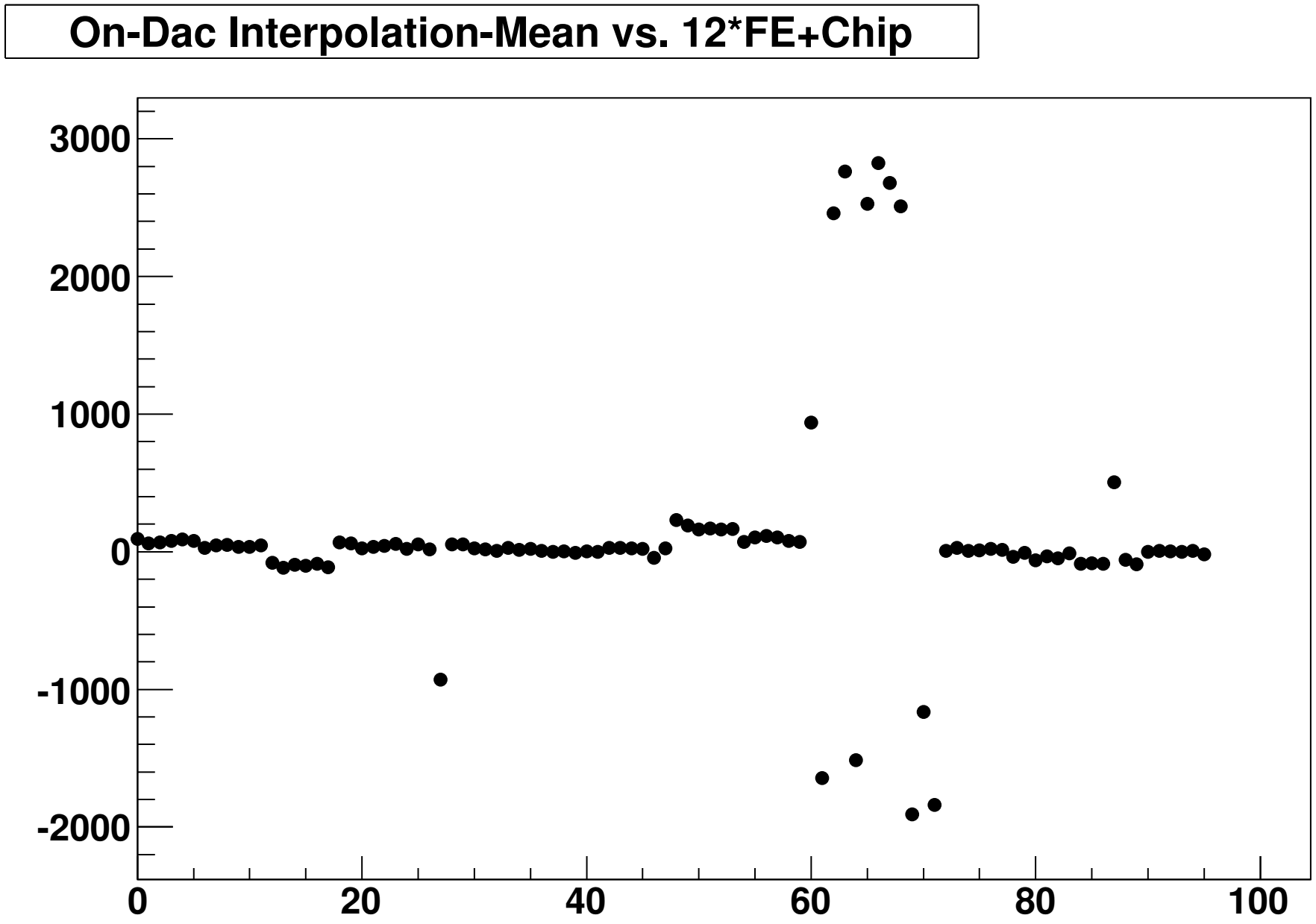
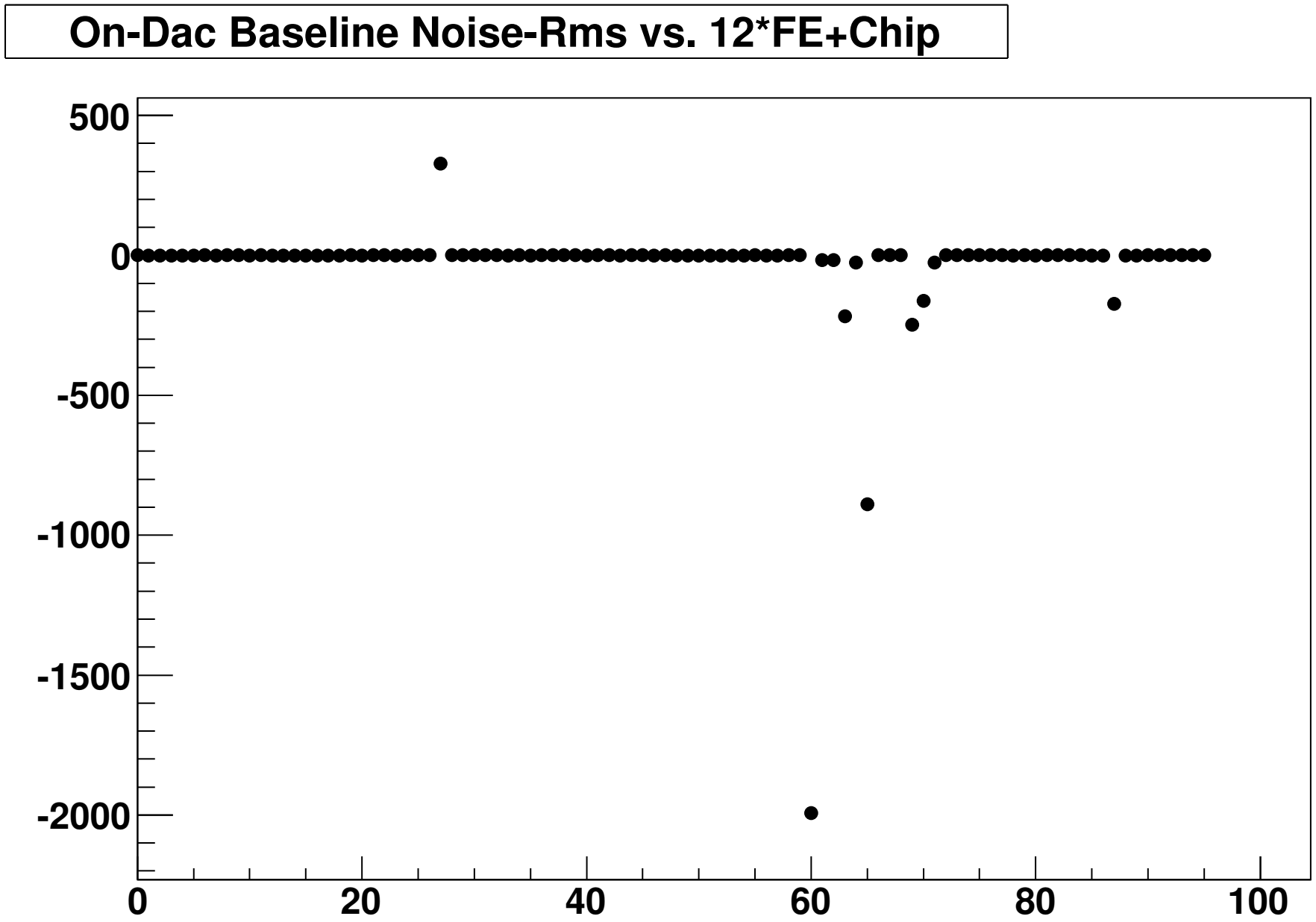
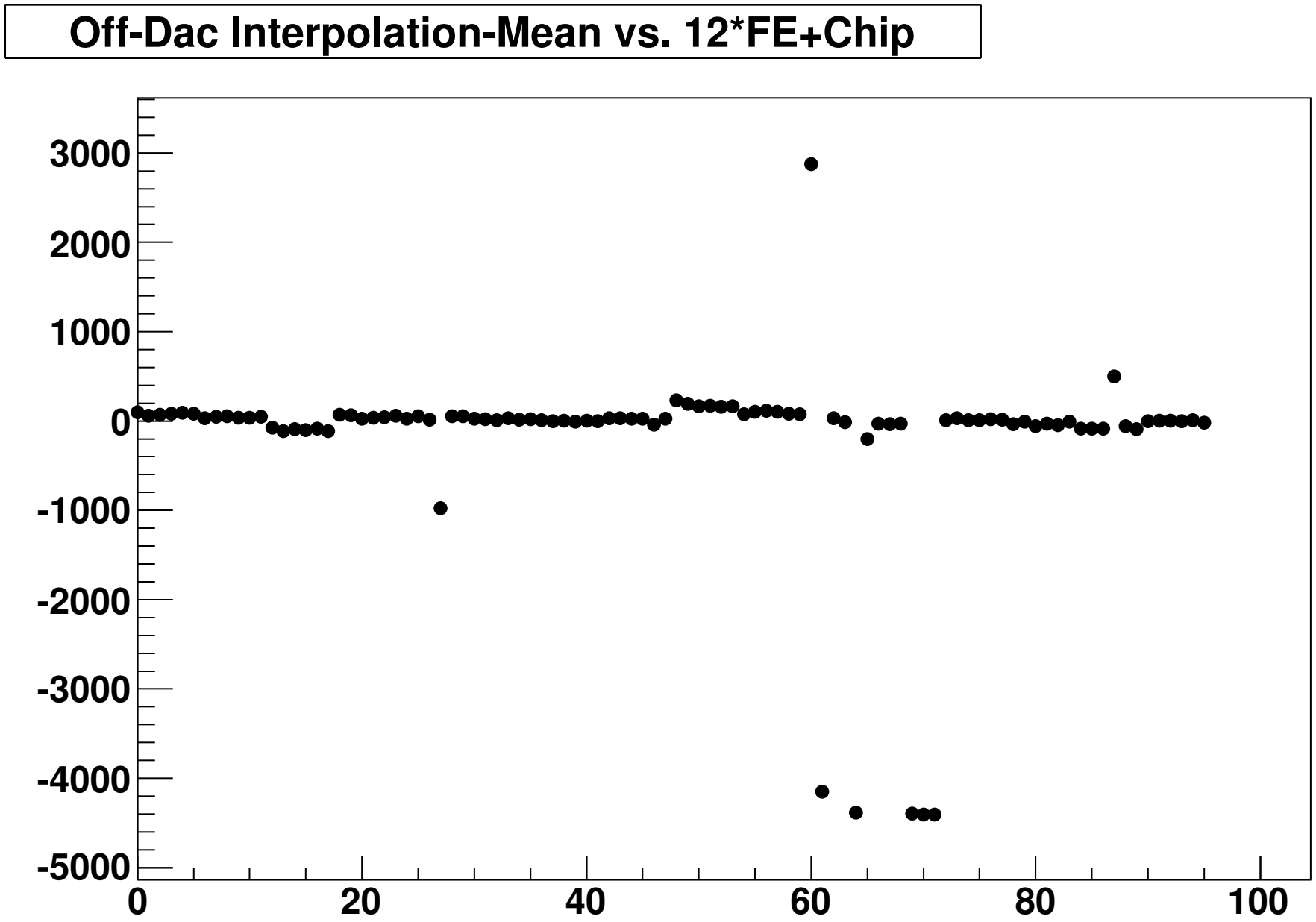
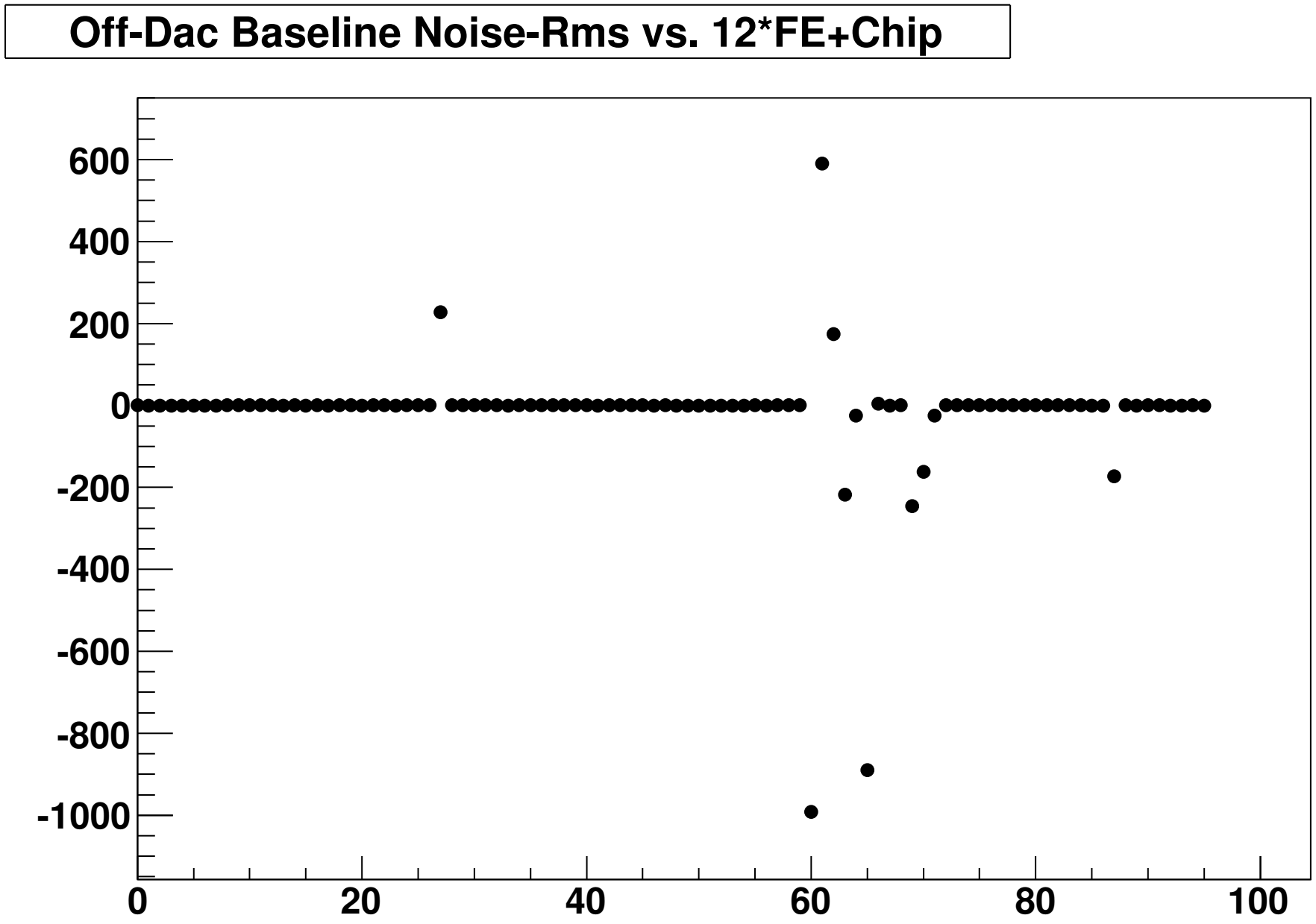
40
60
80
100


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


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
500
0
-500
-1000
-1500
-2000
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
3000
2000
1000
0
-1000
-2000
-3000
-4000
-5000
0
20
40
60
80
100


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