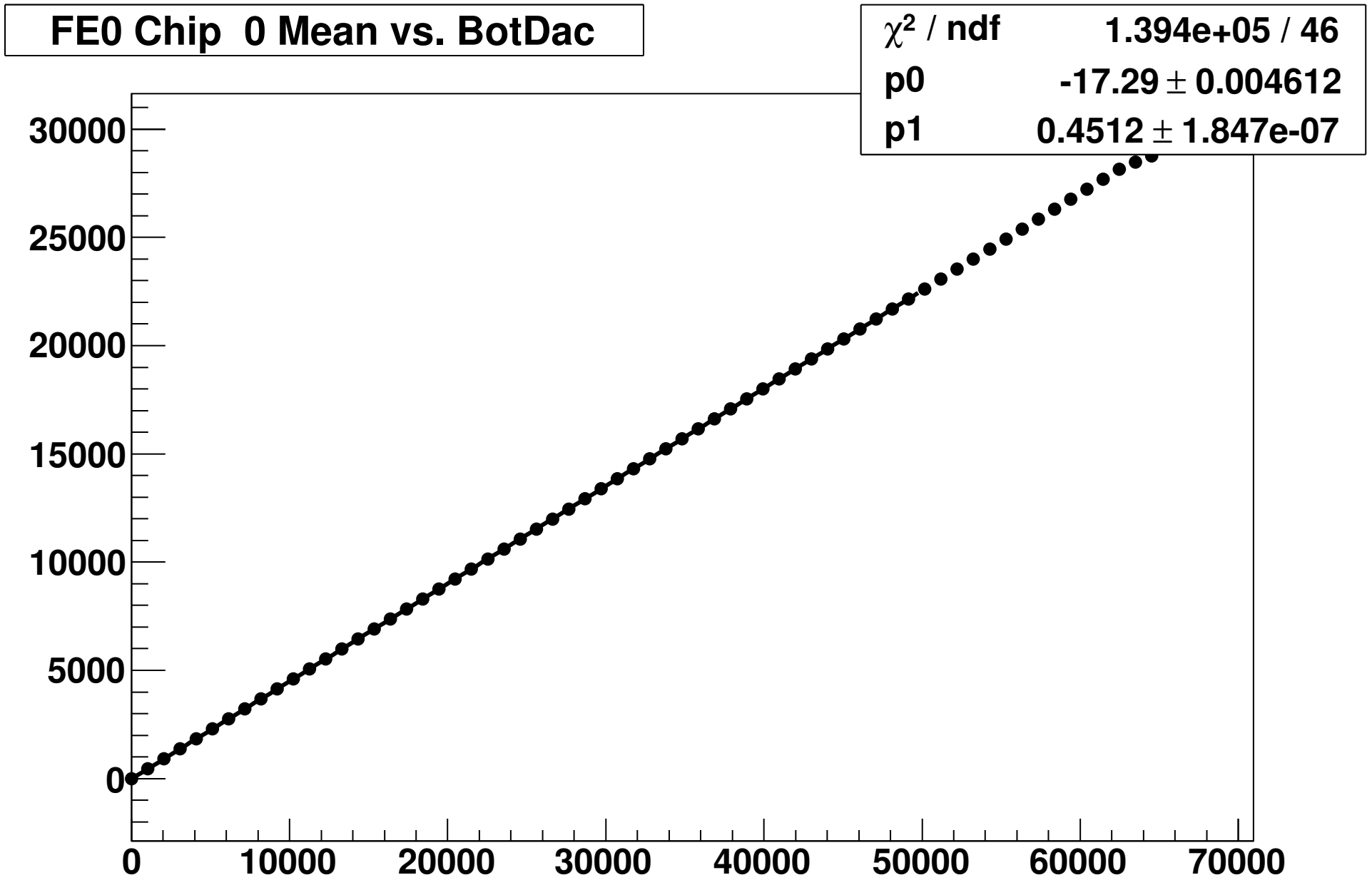
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.394e+05 / 46
p0 -17.29 ± 0.004612
p1 0.4512 ± 1.847e-07
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25000
20000
15000
10000
5000
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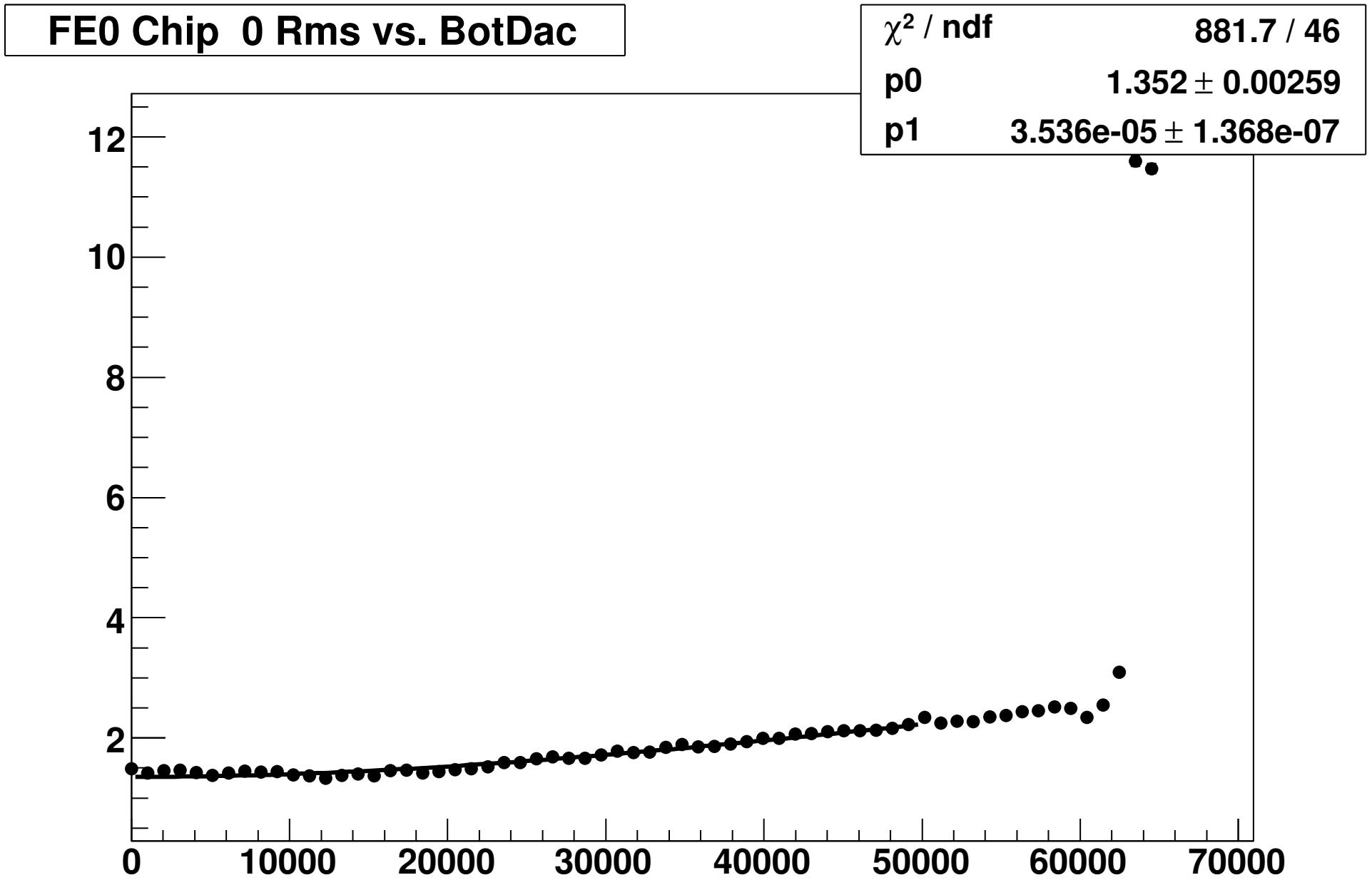
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 881.7 / 46
p0 1.352 ± 0.00259
p1 3.536e-05 ± 1.368e-07
12
10
8
6
4
2
0
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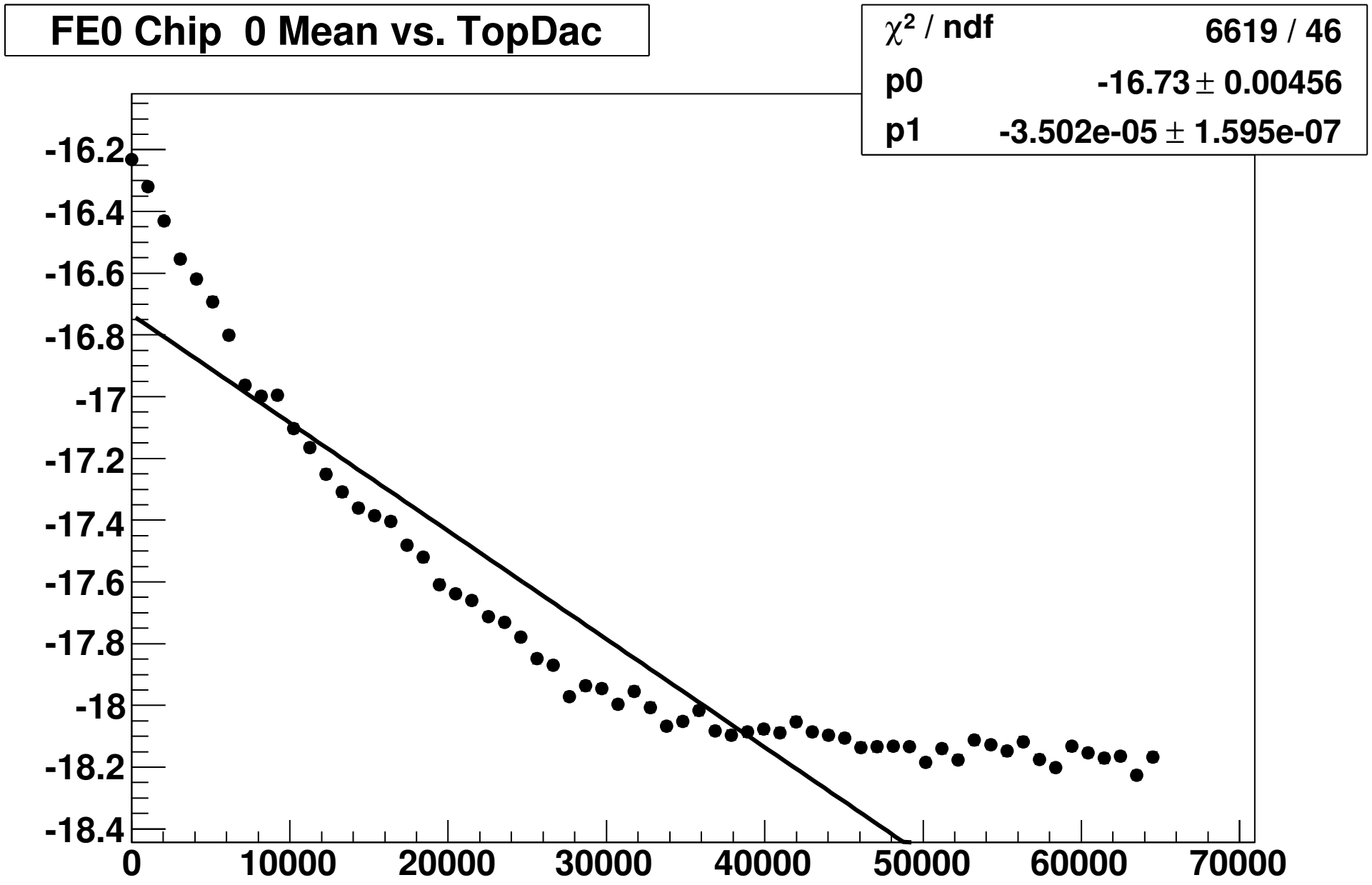
20000
30000
40000
50000
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 6619 / 46
p0 -16.73 ± 0.00456
p1 -3.502e-05 ± 1.595e-07
-16.2
-16.4
-16.6
-16.8
-17
-17.2
-17.4
-17.6
-17.8
-18
-18.2
-18.4
0
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60000
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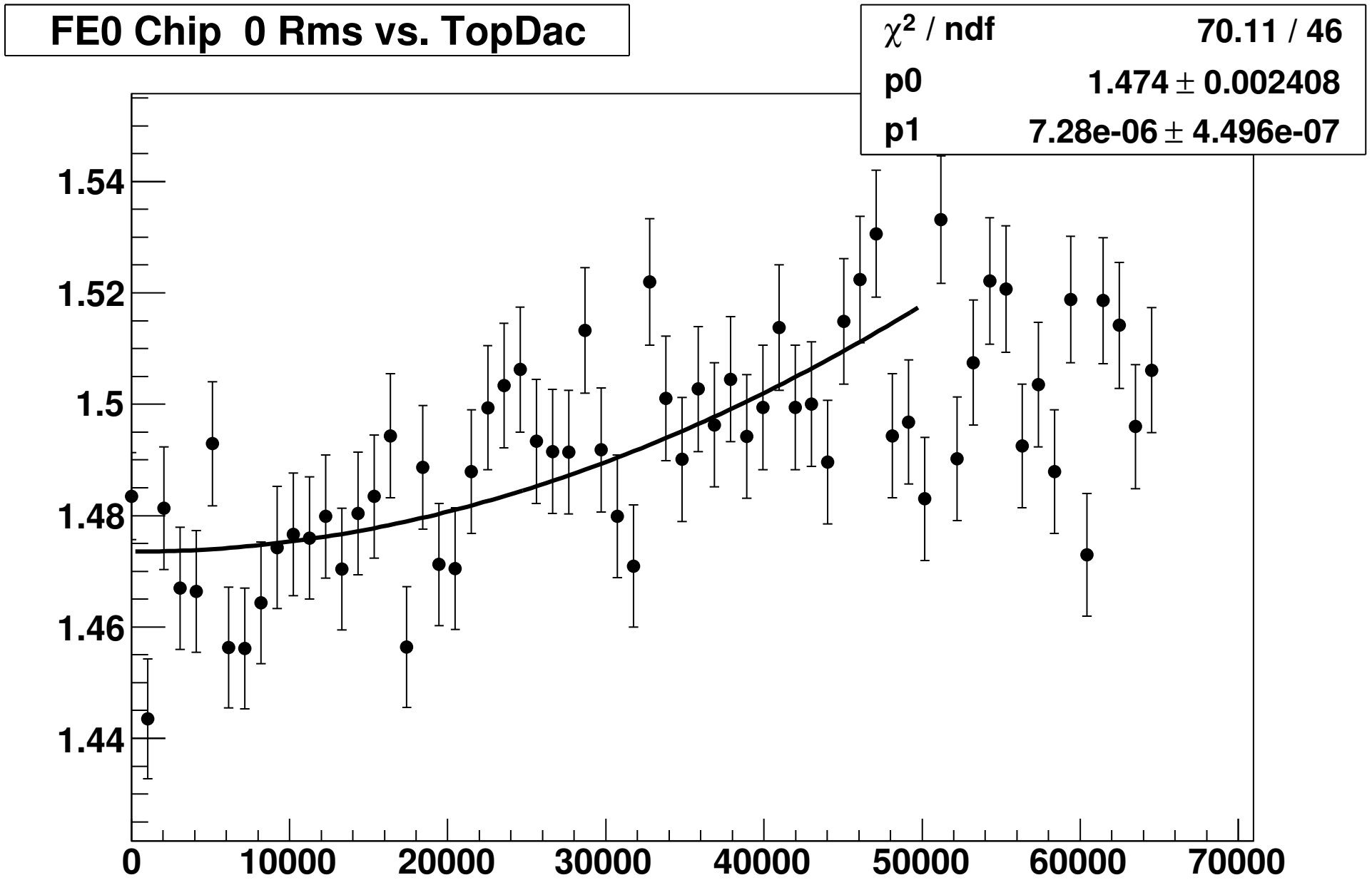
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 70.11 / 46
p0 1.474 ± 0.002408
p1 7.28e-06 ± 4.496e-07
1.54
1.52
1.5
1.48
1.46
1.44
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50000
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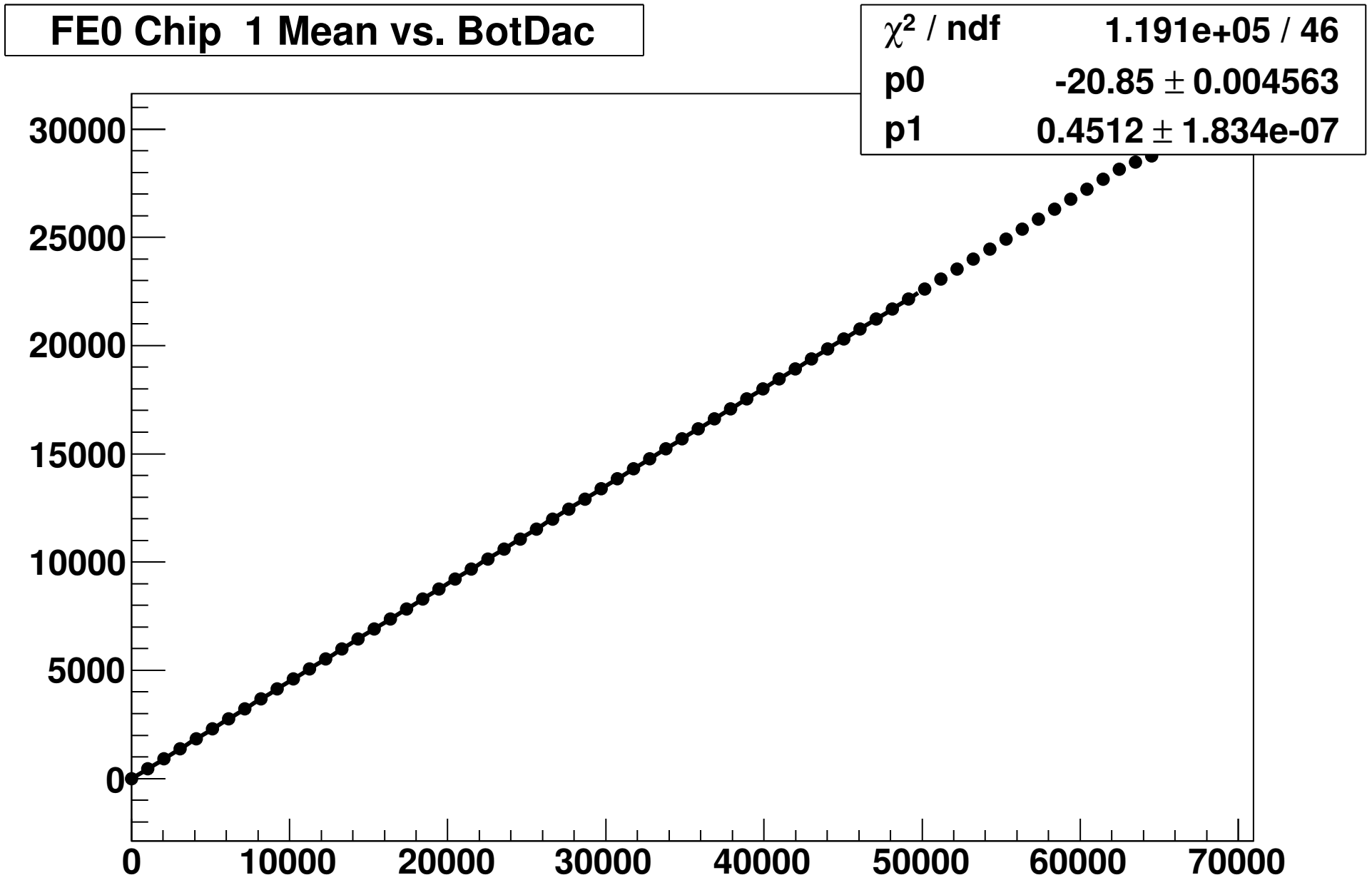
70000


FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.191e+05 / 46
p0 -20.85 ± 0.004563
p1 0.4512 ± 1.834e-07
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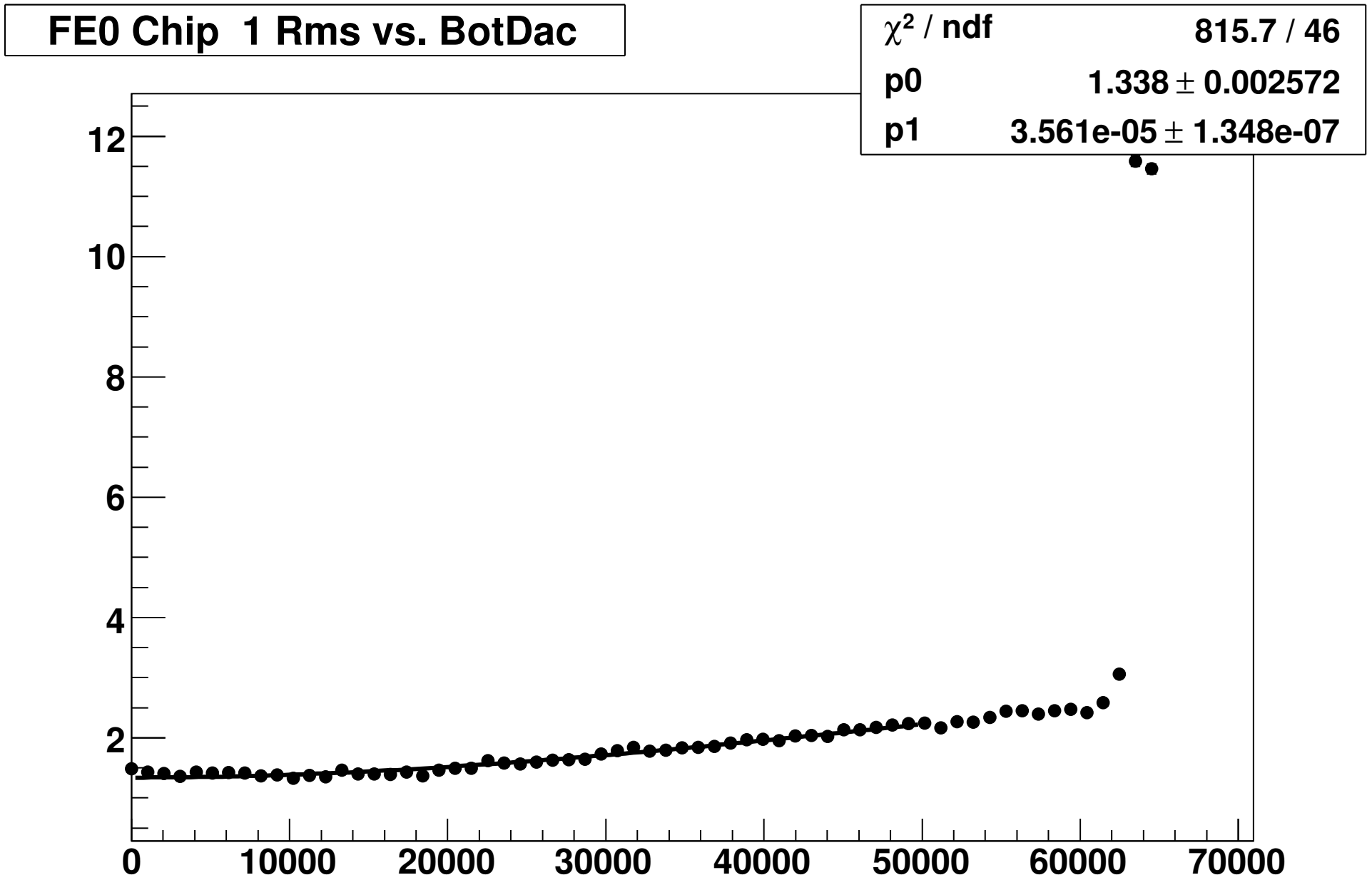
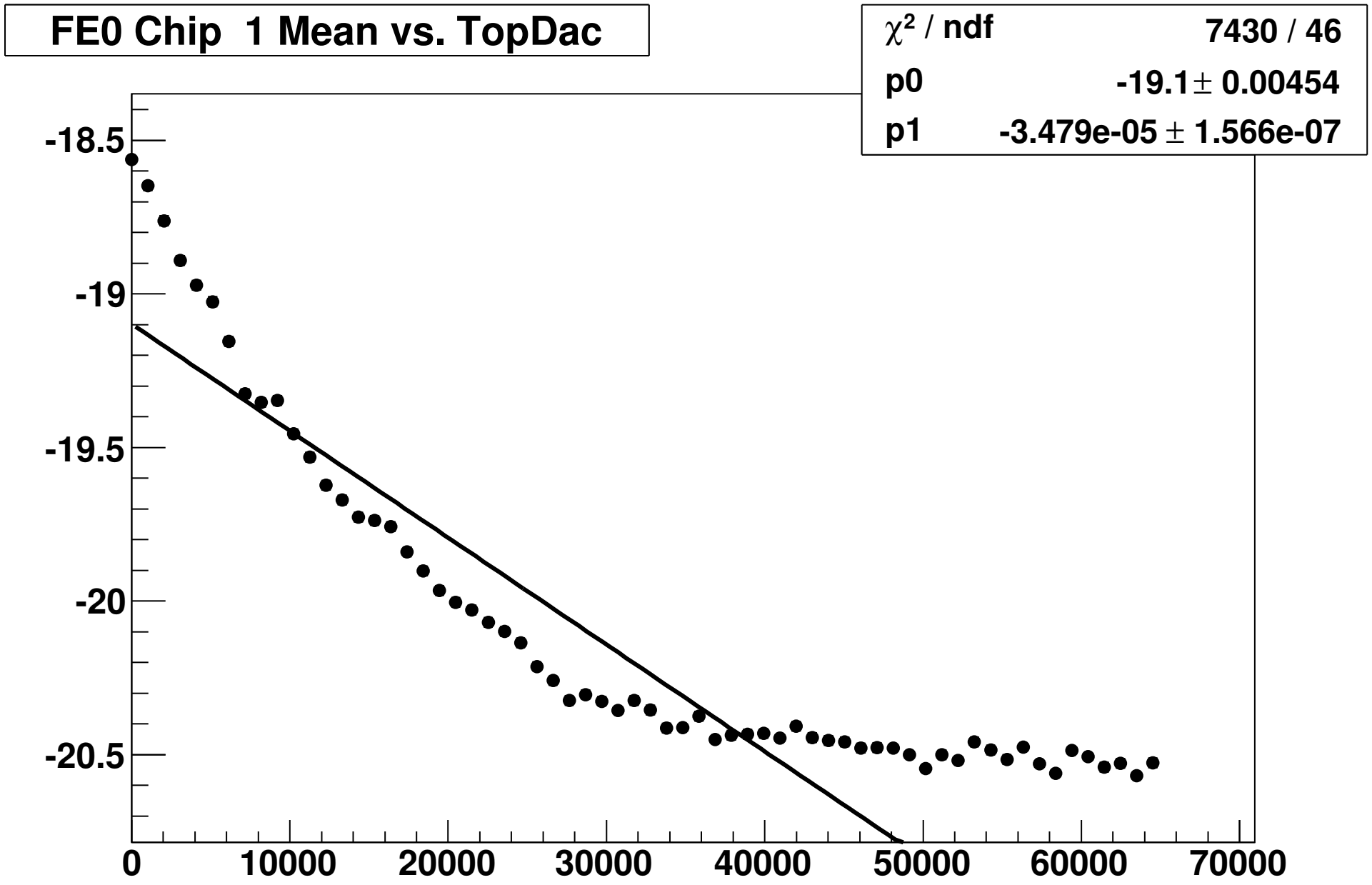
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 815.7 / 46
p0 1.338 ± 0.002572
p1 3.561e-05 ± 1.348e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Mean vs. TopDac
χ² / ndf 7430 / 46
p0 -19.1 ± 0.00454
p1 -3.479e-05 ± 1.566e-07
-18.5
-19
-19.5
-20
-20.5
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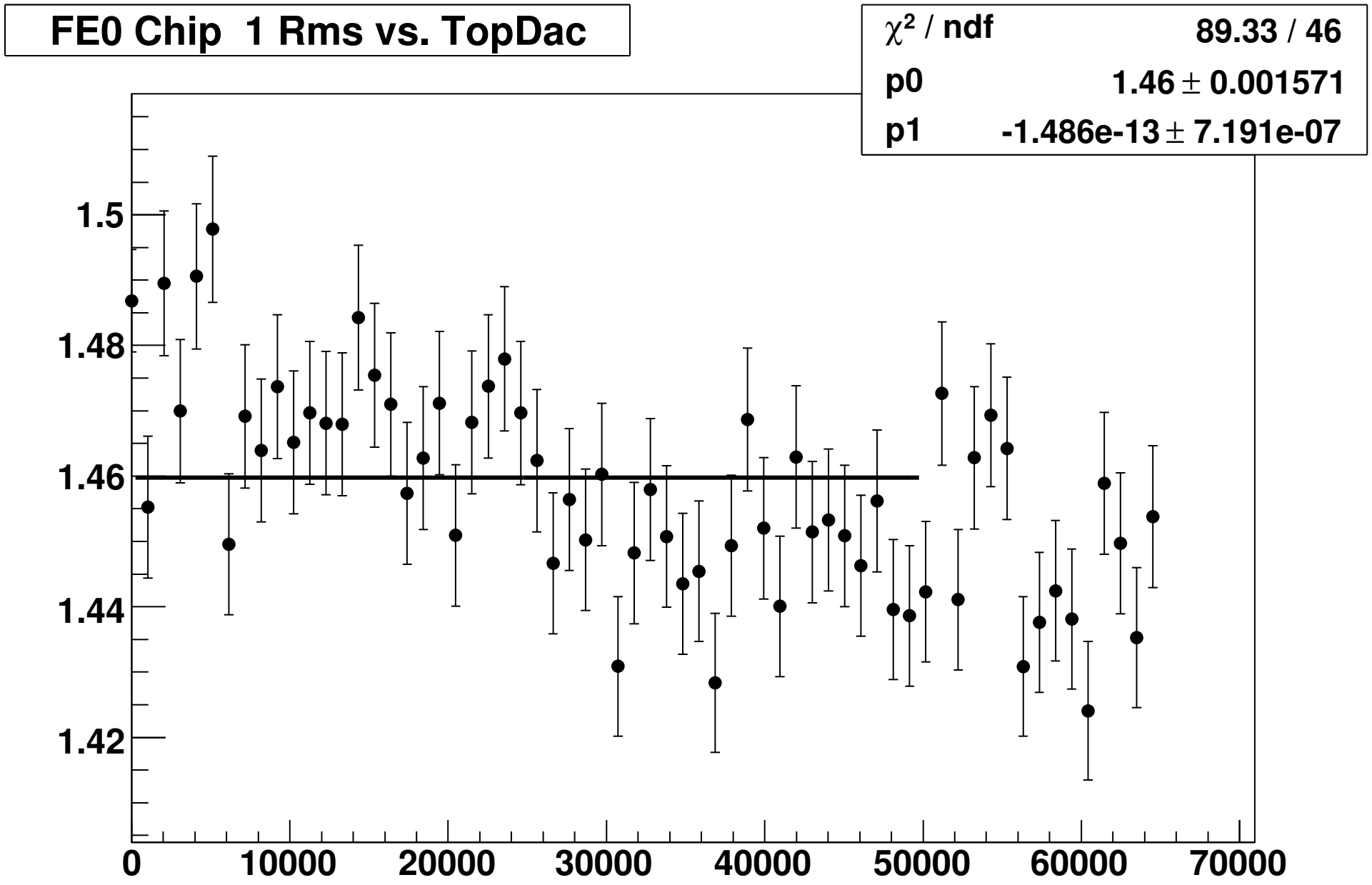
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 89.33 / 46
p0 1.46 ± 0.001571
p1 -1.486e-13 ± 7.191e-07
1.5
1.48
1.46
1.44
1.42
0
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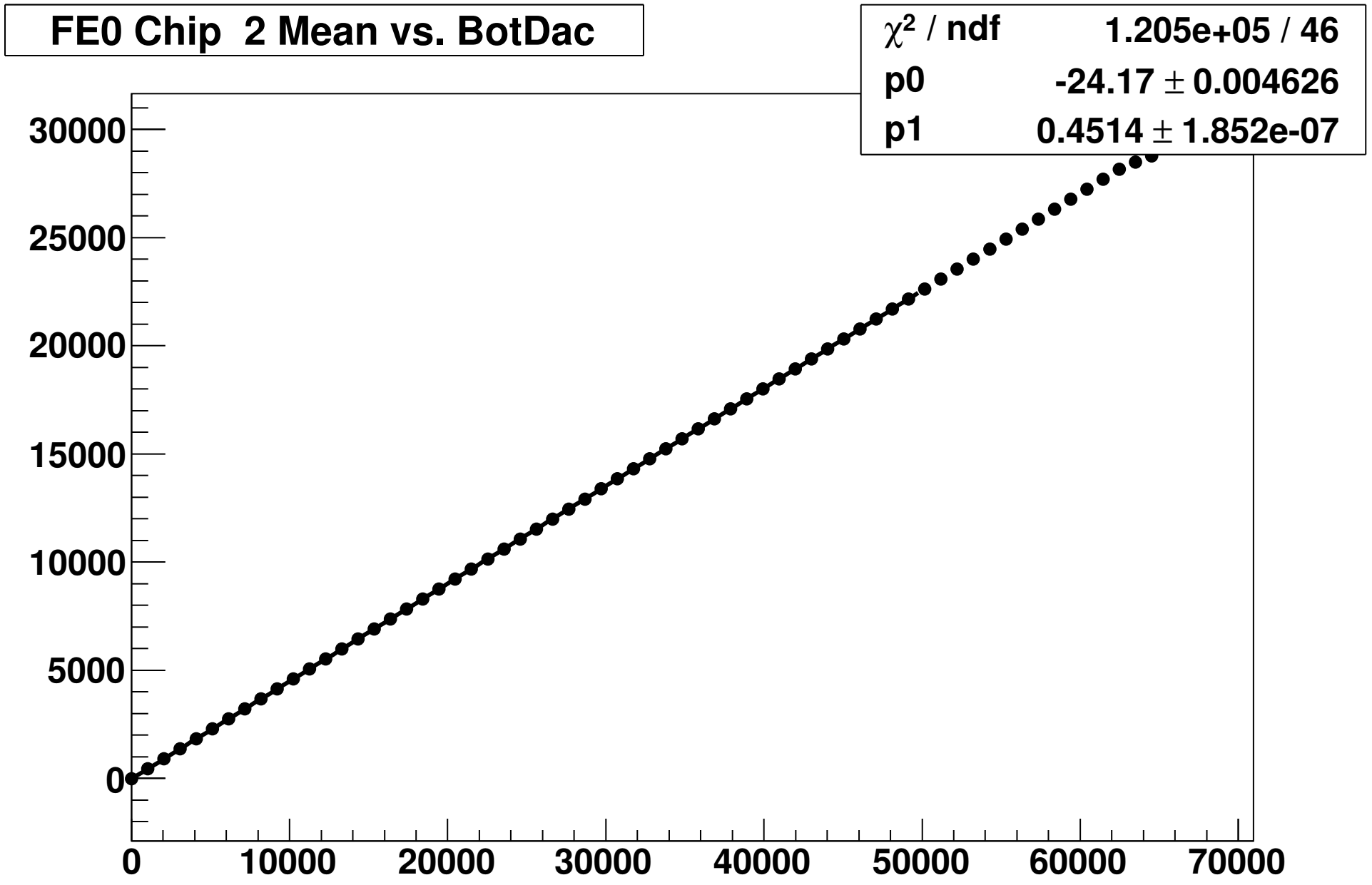
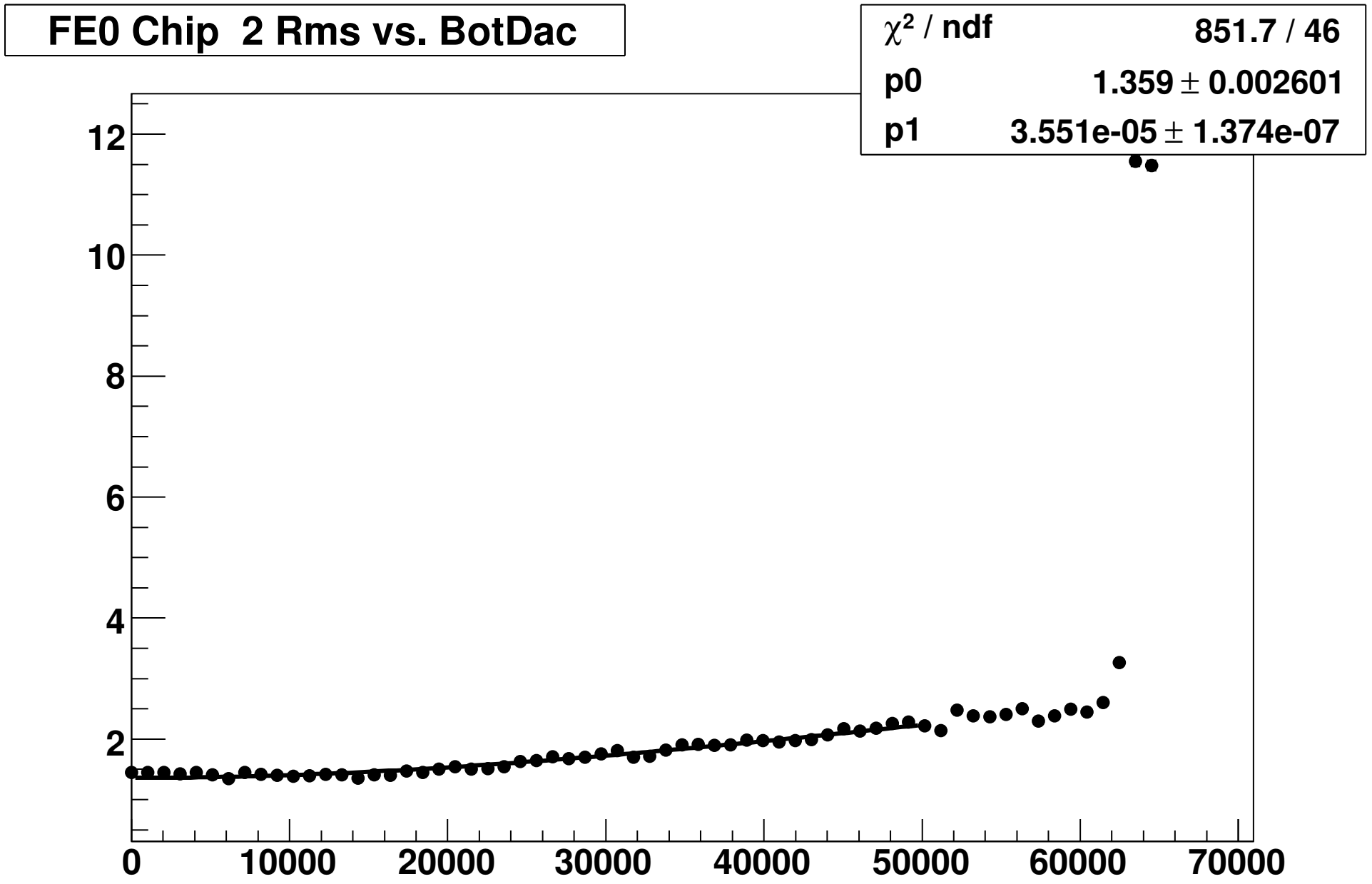
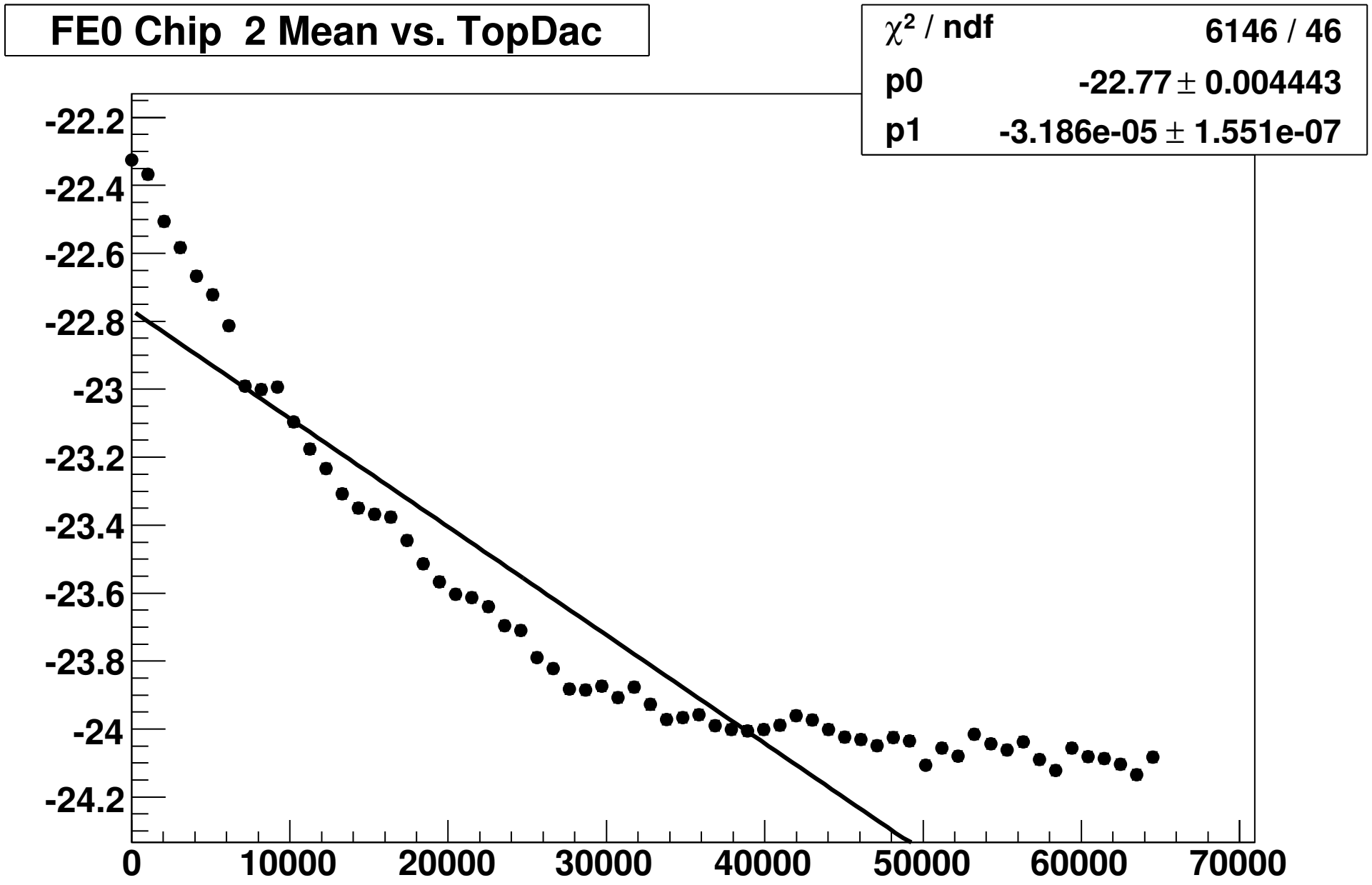
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 1.205e+05 / 46
p0 -24.17 ± 0.004626
p1 0.4514 ± 1.852e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 851.7 / 46
p0 1.359 ± 0.002601
p1 3.551e-05 ± 1.374e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 6146 / 46
p0 -22.77 ± 0.004443
p1 -3.186e-05 ± 1.551e-07
-22.2
-22.4
-22.6
-22.8
-23
-23.2
-23.4
-23.6
-23.8
-24
-24.2
0
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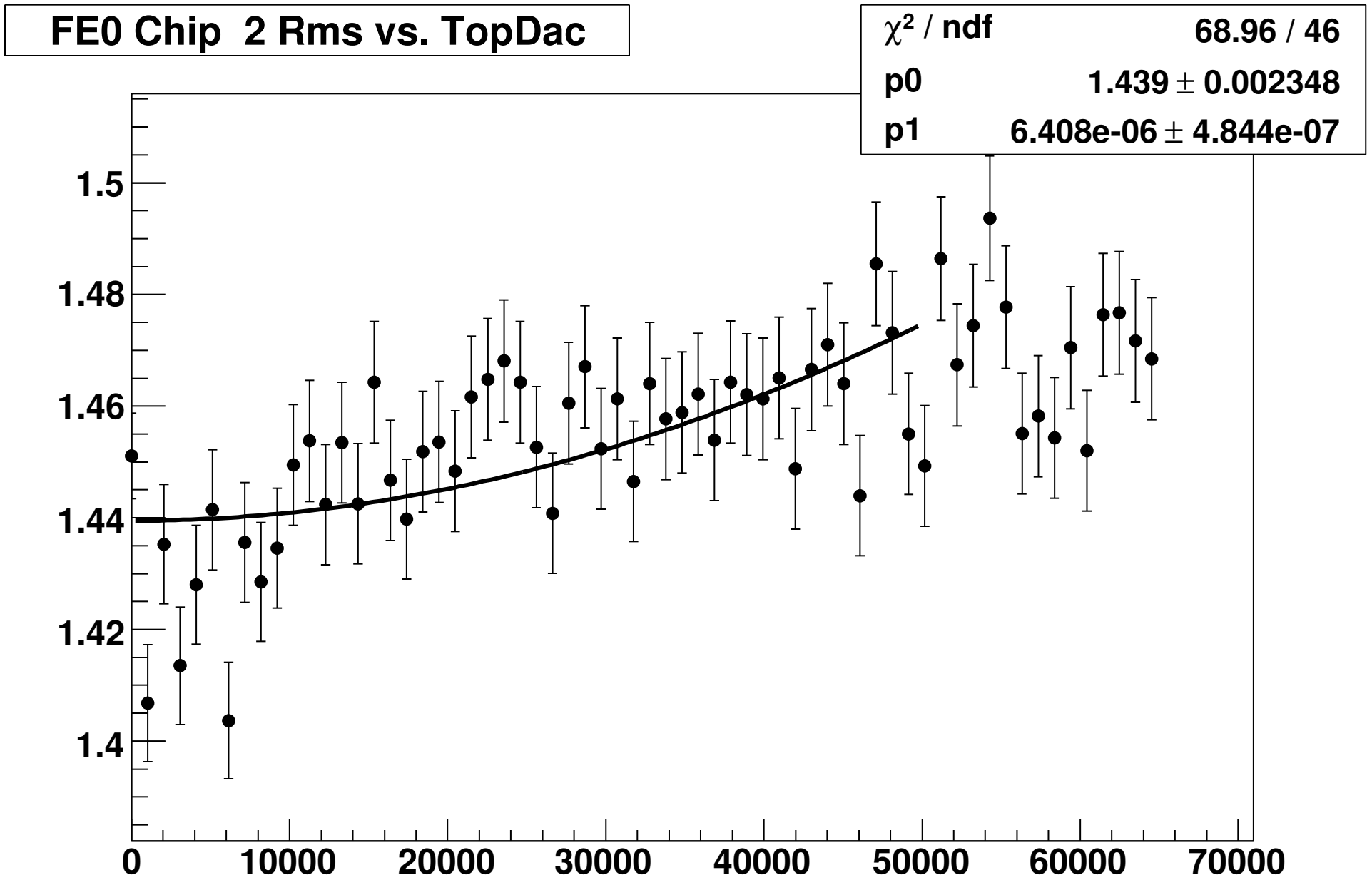
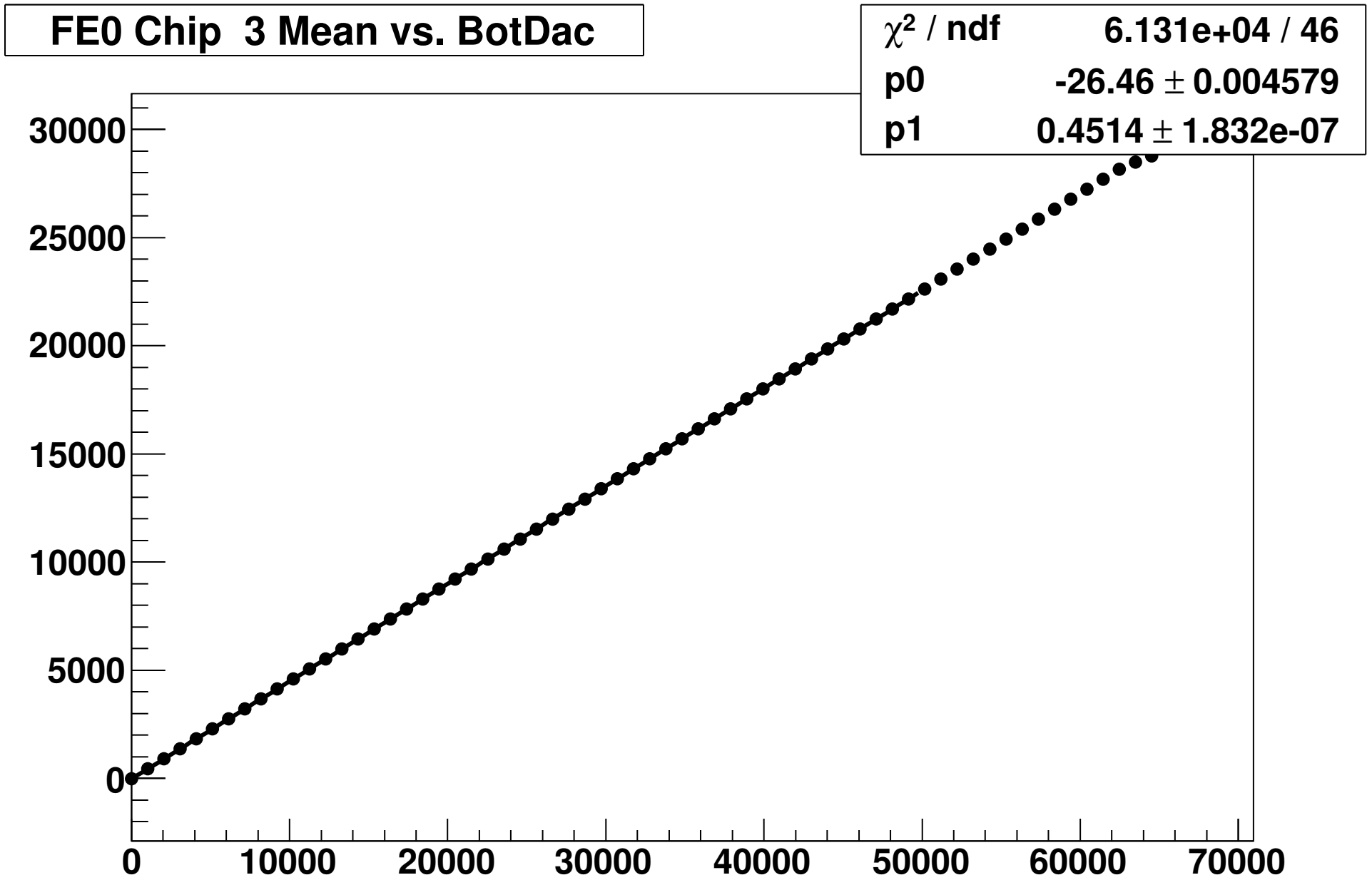
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 68.96 / 46
p0 1.439 ± 0.002348
p1 6.408e-06 ± 4.844e-07
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 6.131e+04 / 46
p0 -26.46 ± 0.004579
p1 0.4514 ± 1.832e-07
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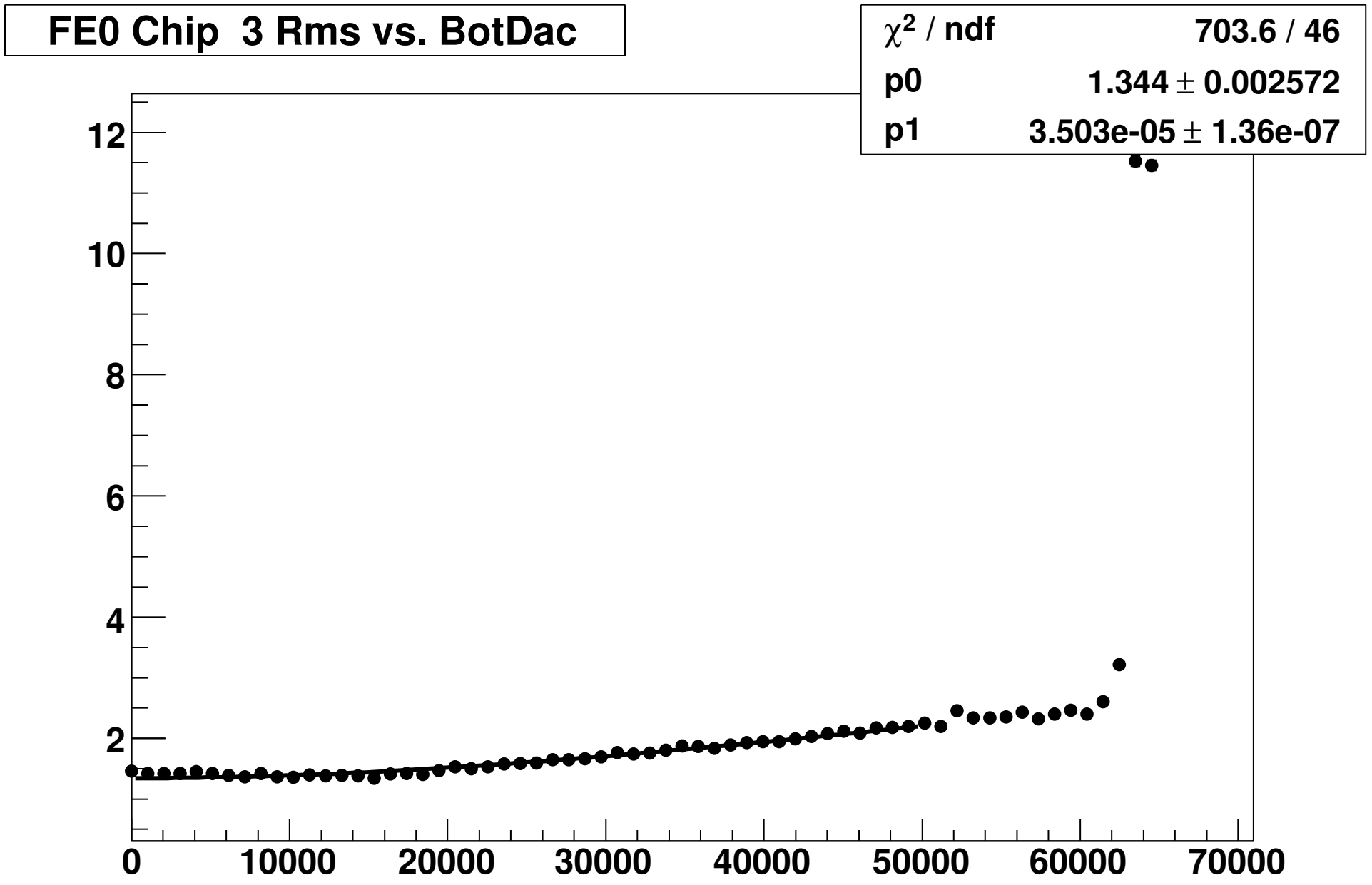
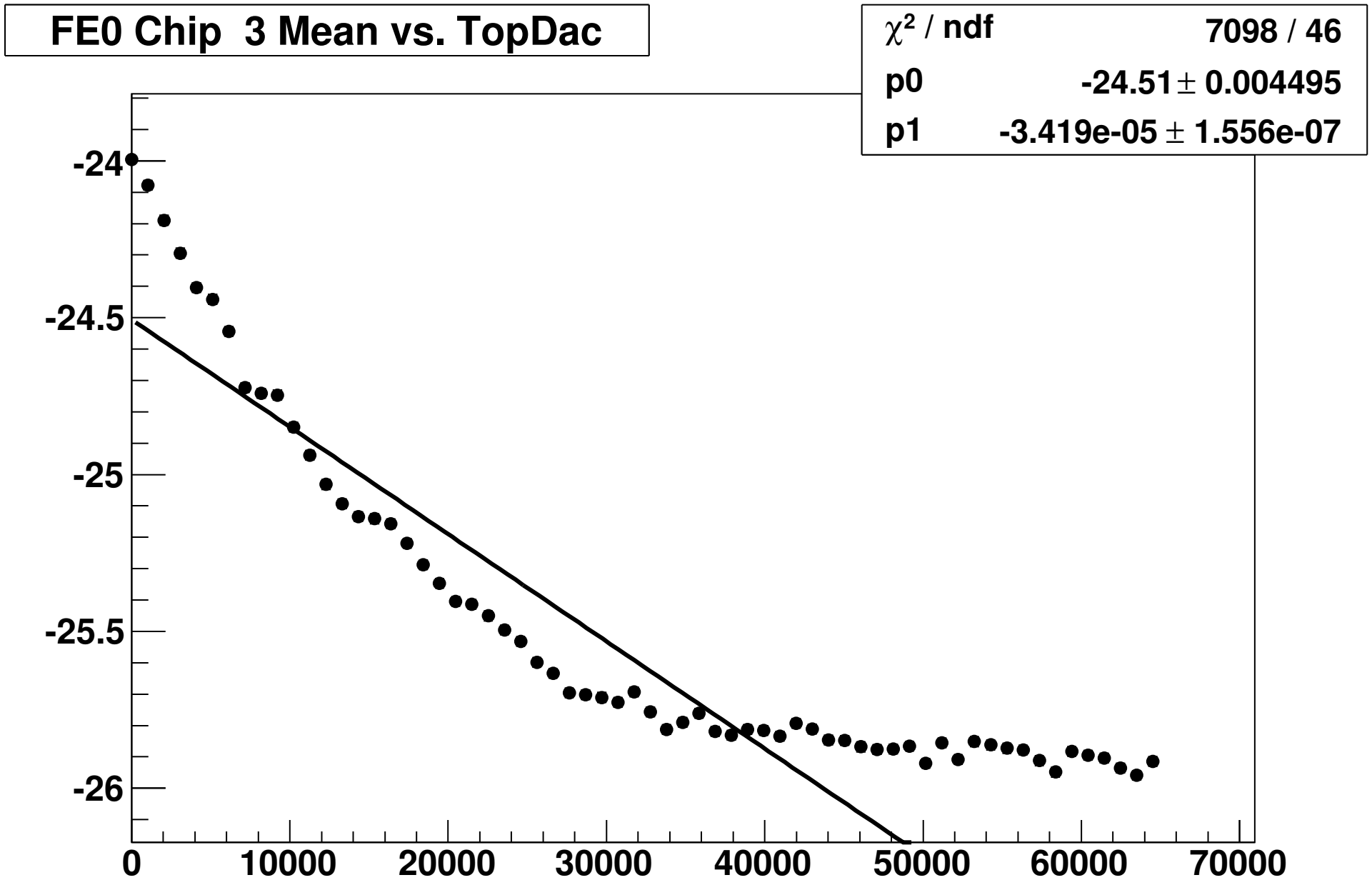
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 703.6 / 46
p0 1.344 ± 0.002572
p1 3.503e-05 ± 1.36e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 7098 / 46
p0 -24.51 ± 0.004495
p1 -3.419e-05 ± 1.556e-07
-24
-24.5
-25
-25.5
-26
0
10000
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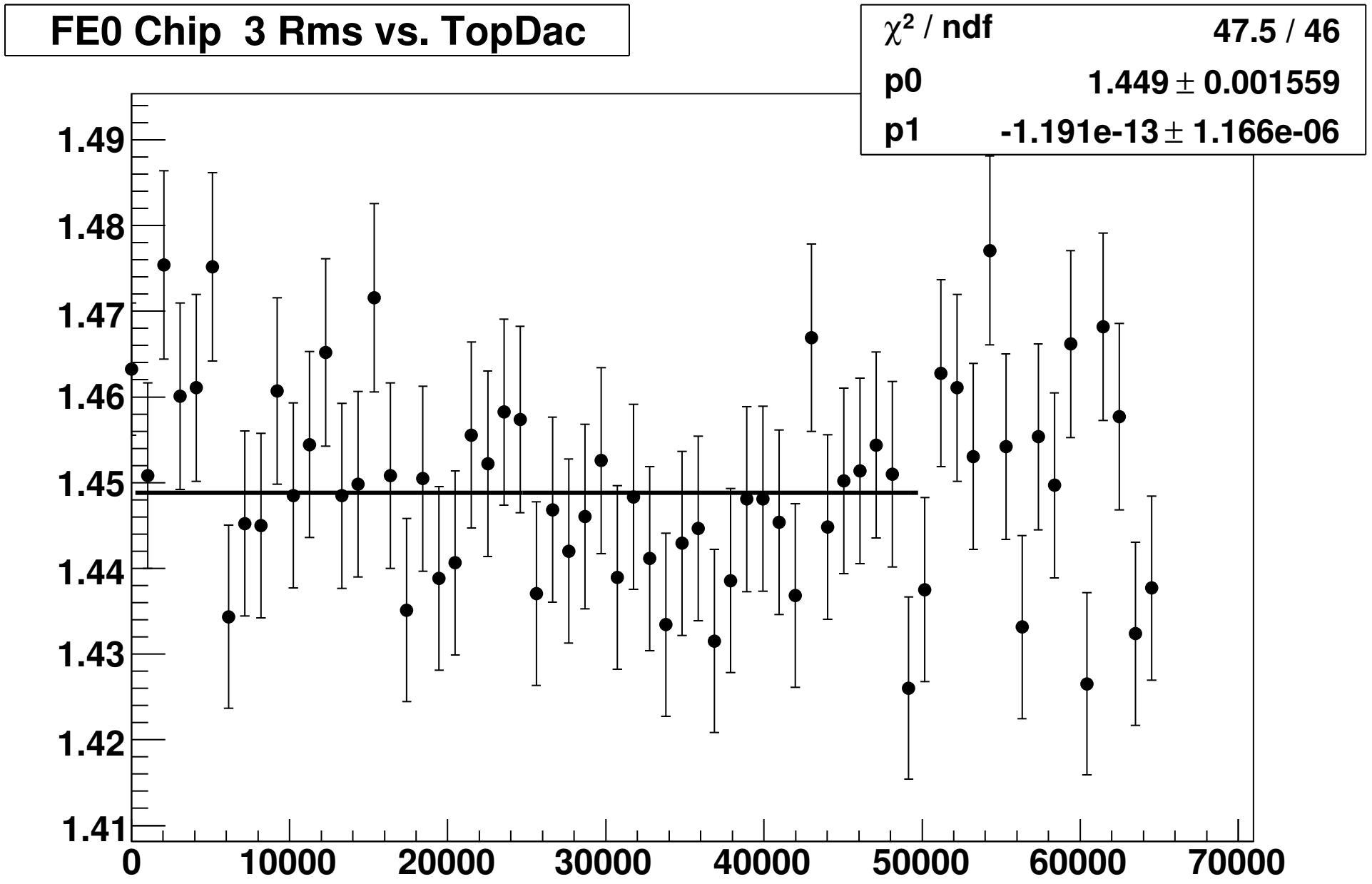
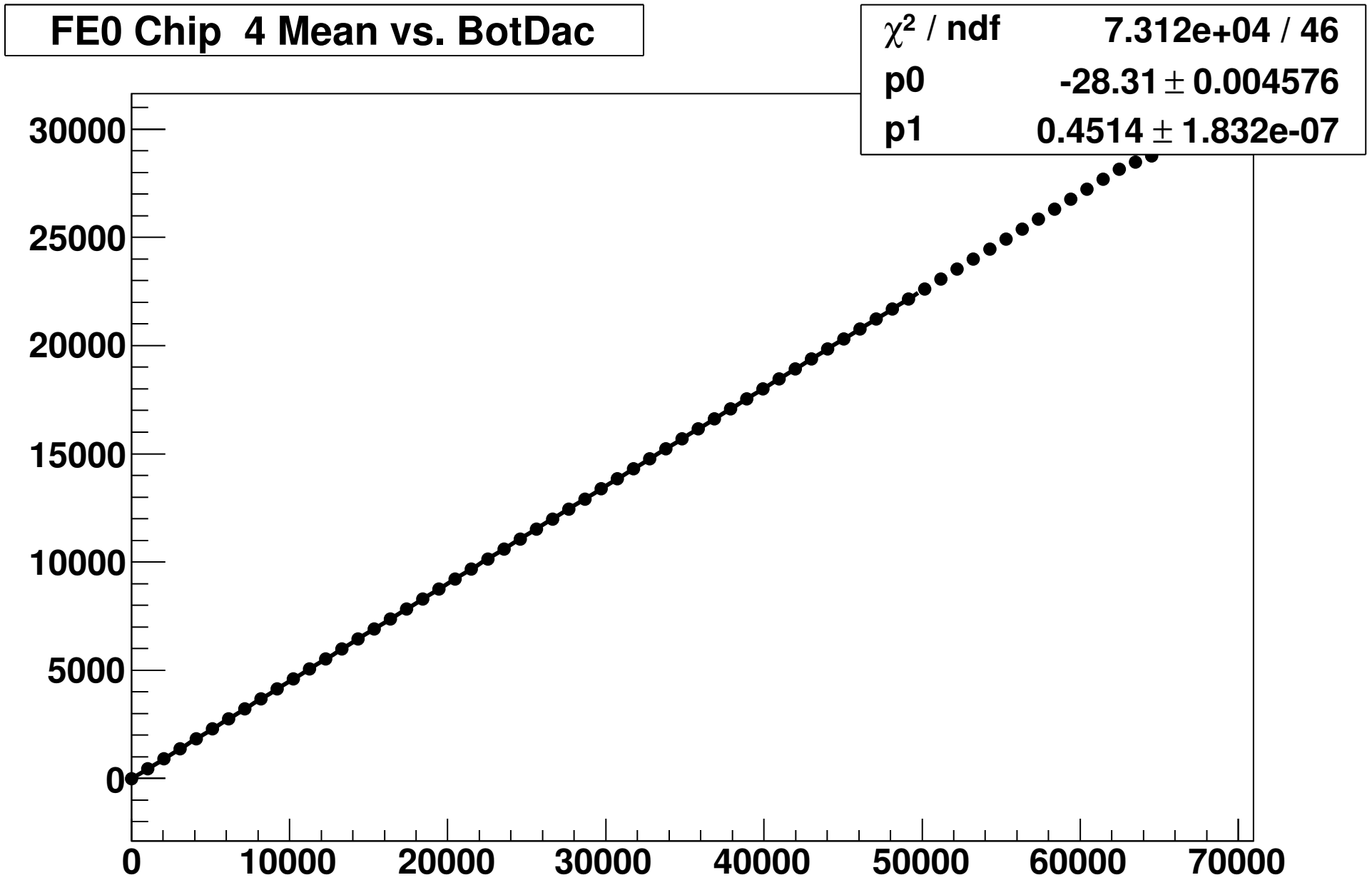
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 47.5 / 46
p0 1.449 ± 0.001559
p1 -1.191e-13 ± 1.166e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 7.312e+04 / 46
p0 -28.31 ± 0.004576
p1 0.4514 ± 1.832e-07
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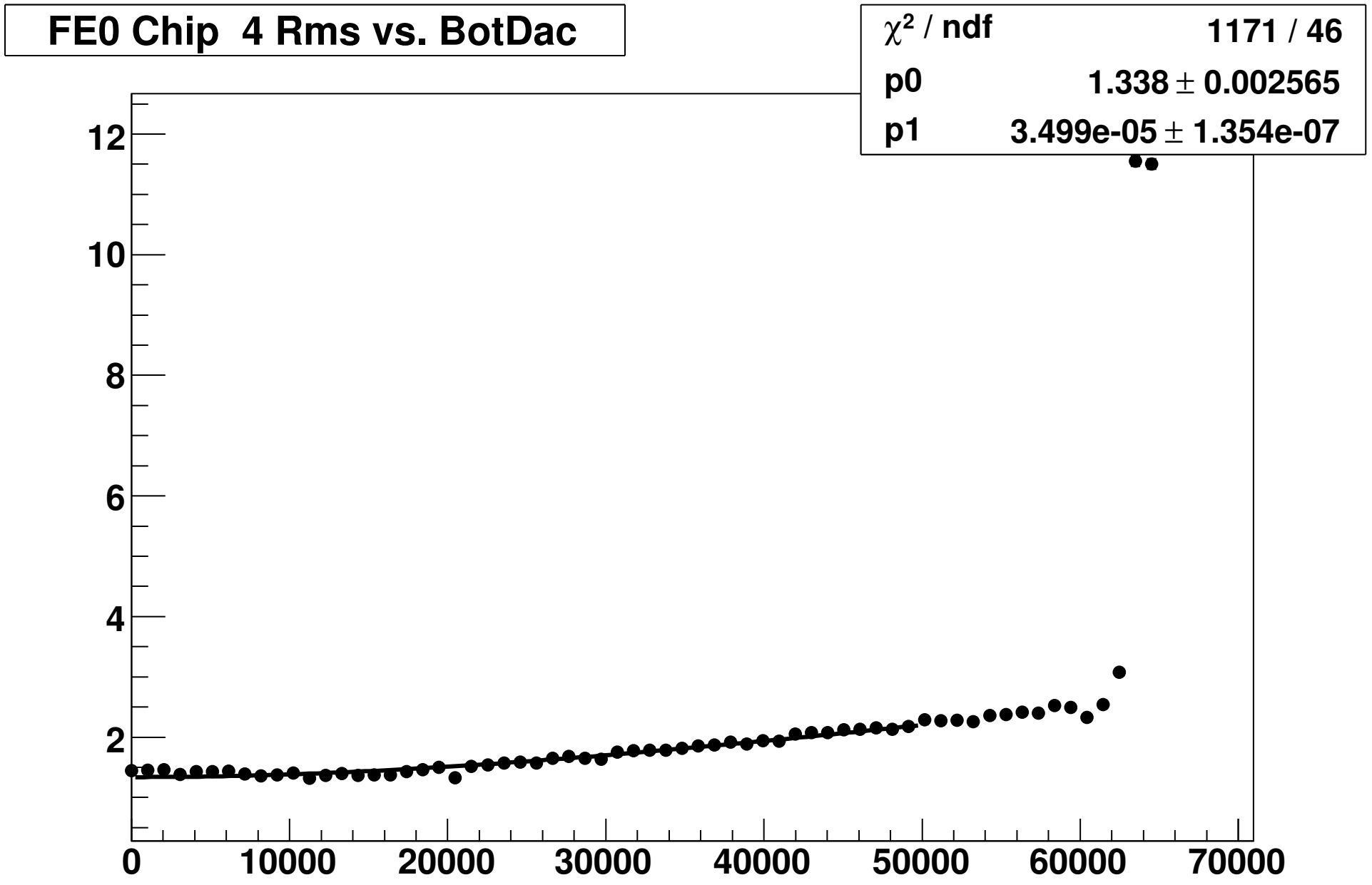
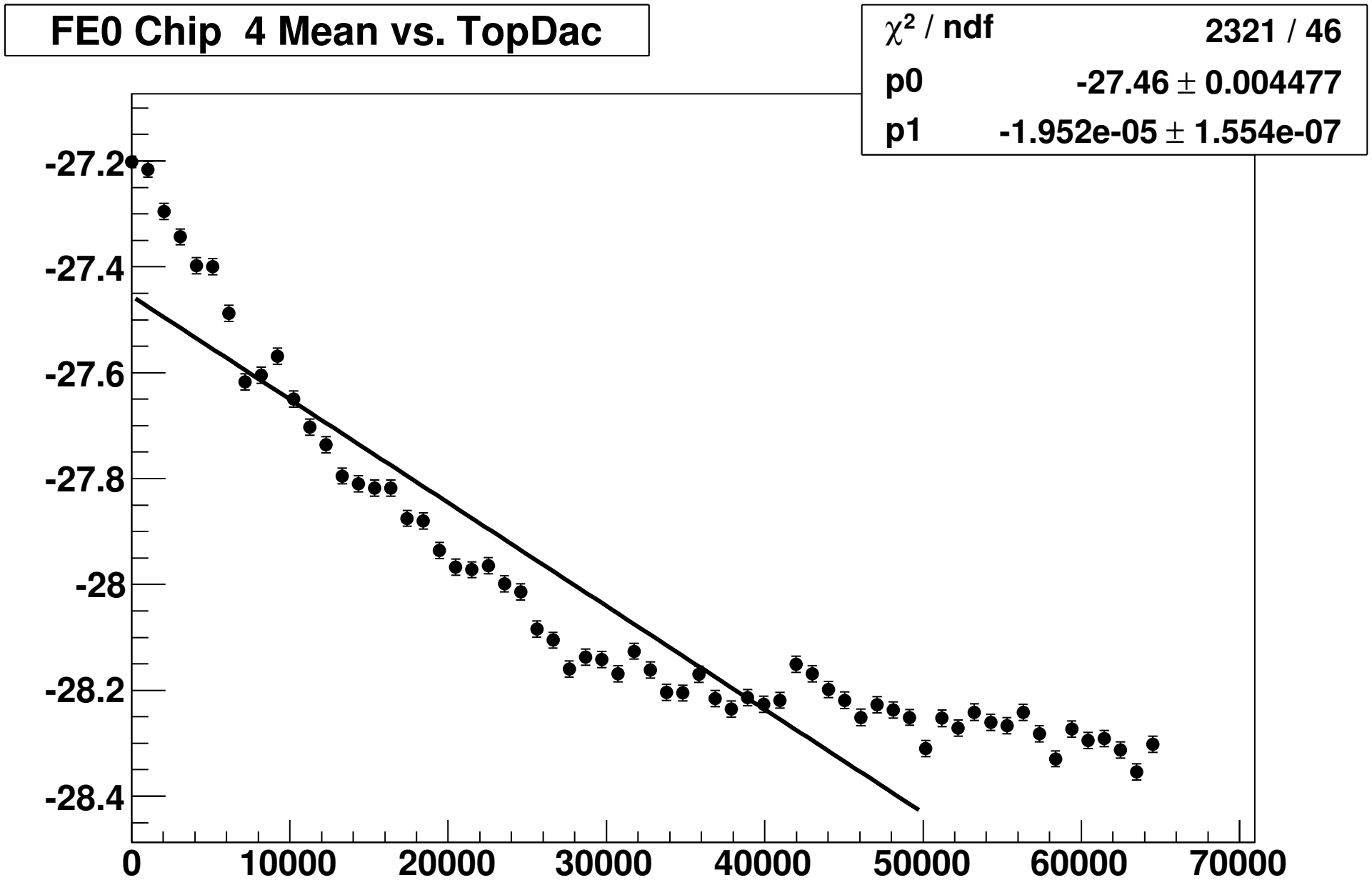
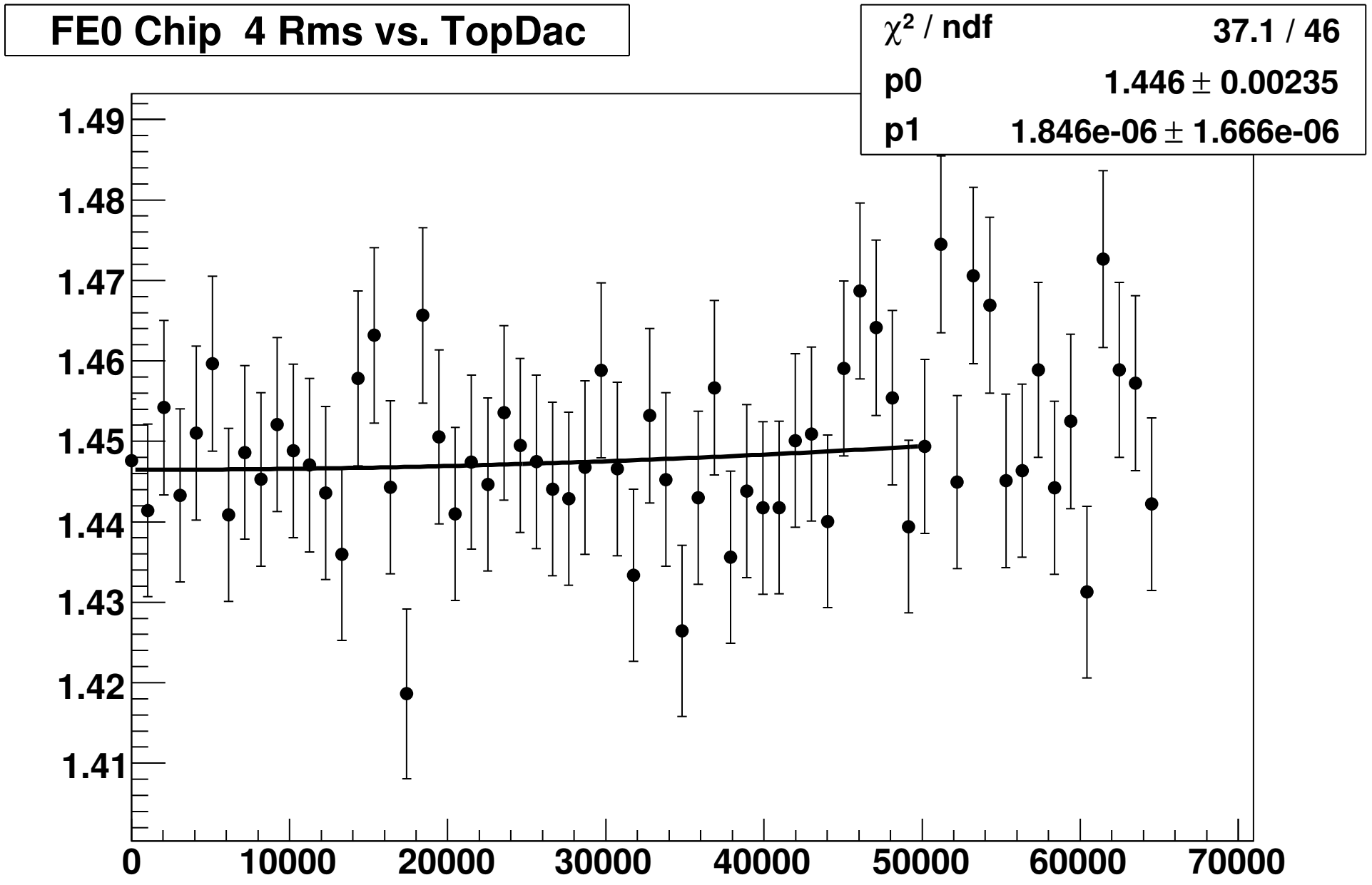
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 1171 / 46
p0 1.338 ± 0.002565
p1 3.499e-05 ± 1.354e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 2321 / 46
p0 -27.46 ± 0.004477
p1 -1.952e-05 ± 1.554e-07
-27.2
-27.4
-27.6
-27.8
-28
-28.2
-28.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 37.1 / 46
p0 1.446 ± 0.00235
p1 1.846e-06 ± 1.666e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
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20000
30000
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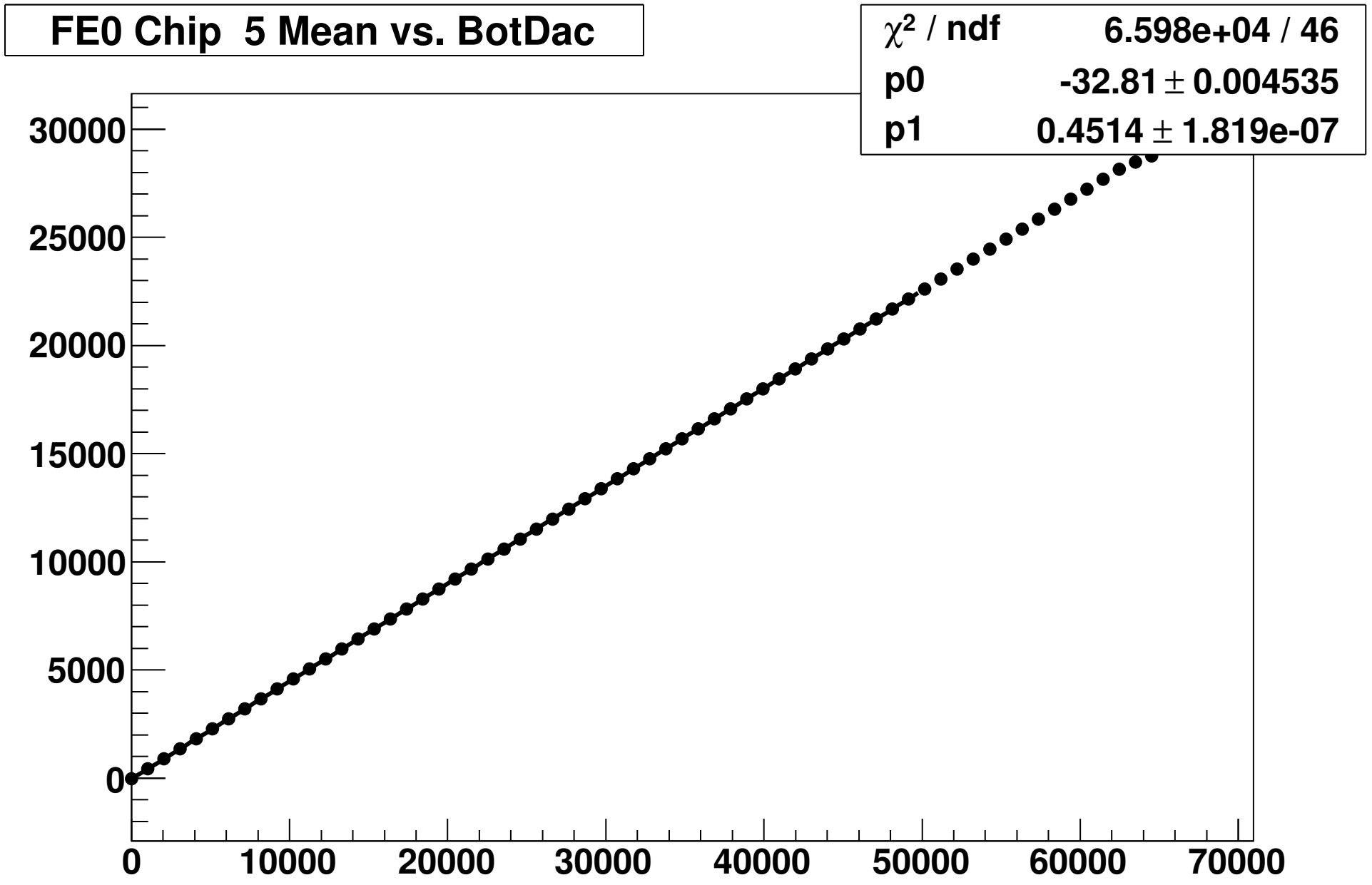
50000
60000
70000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 6.598e+04 / 46
p0 -32.81 ± 0.004535
p1 0.4514 ± 1.819e-07
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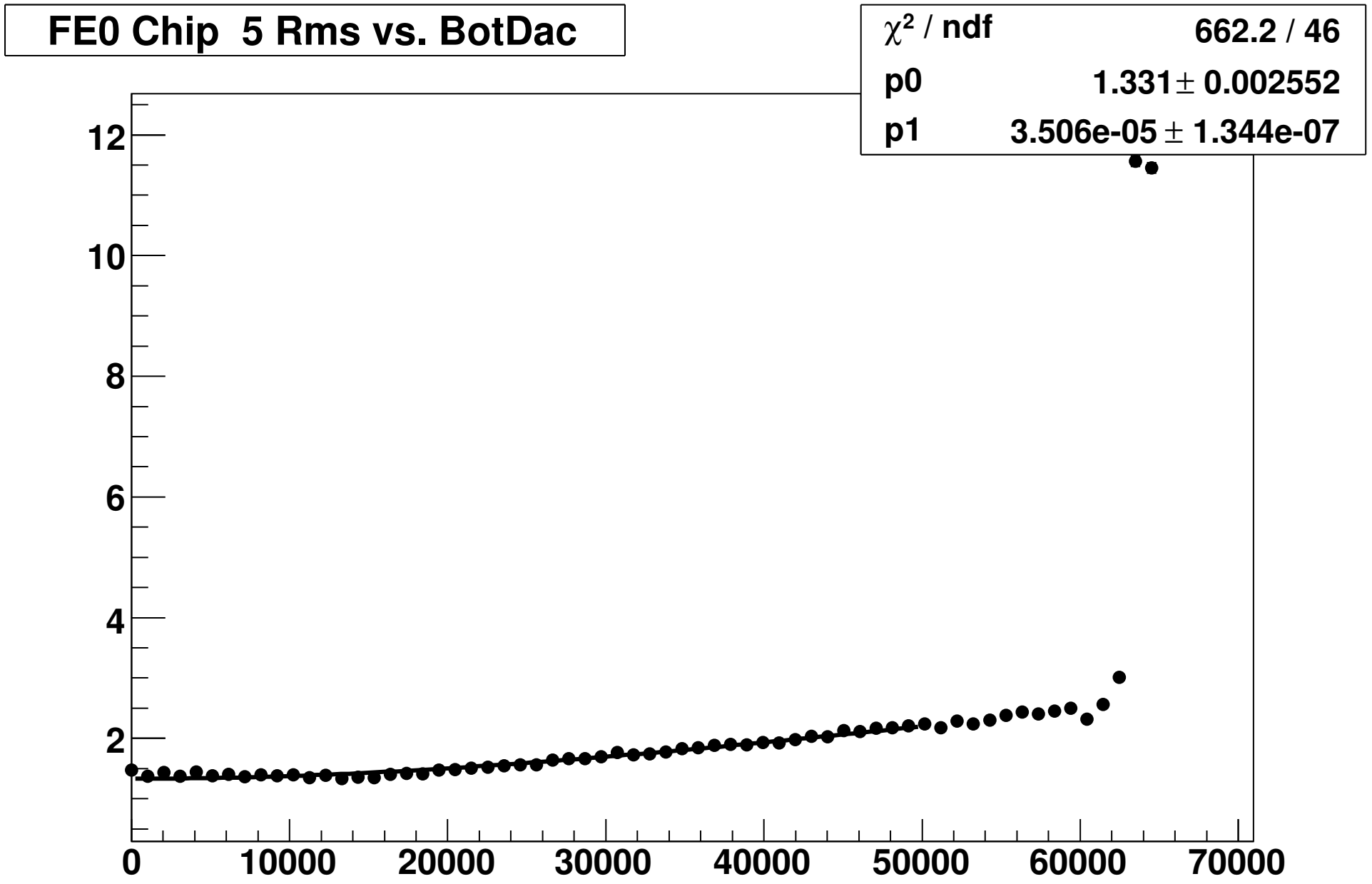
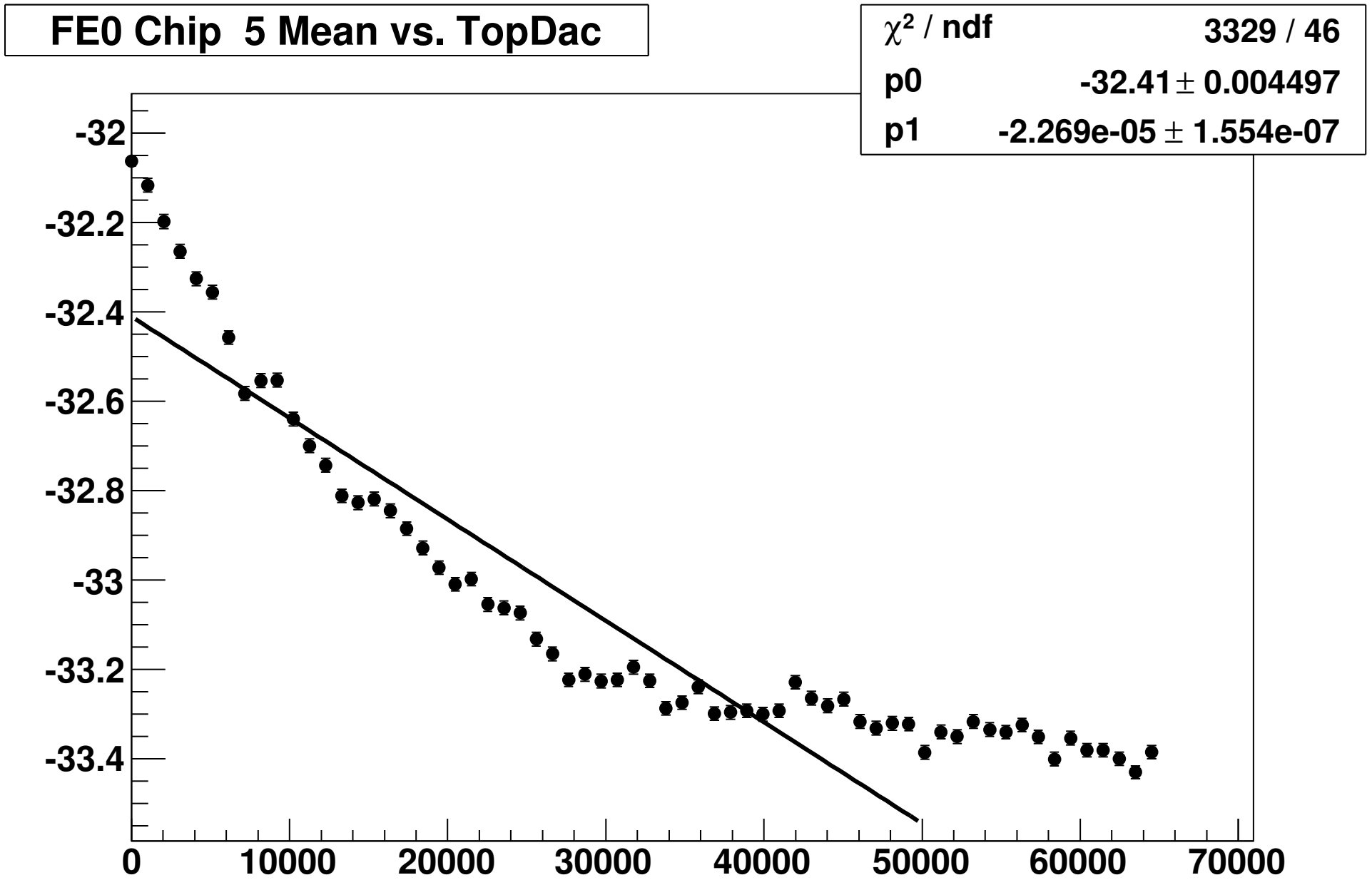
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 662.2 / 46
p0 1.331 ± 0.002552
p1 3.506e-05 ± 1.344e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 3329 / 46
p0 -32.41 ± 0.004497
p1 -2.269e-05 ± 1.554e-07
-32
-32.2
-32.4
-32.6
-32.8
-33
-33.2
-33.4
0
10000
20000
30000
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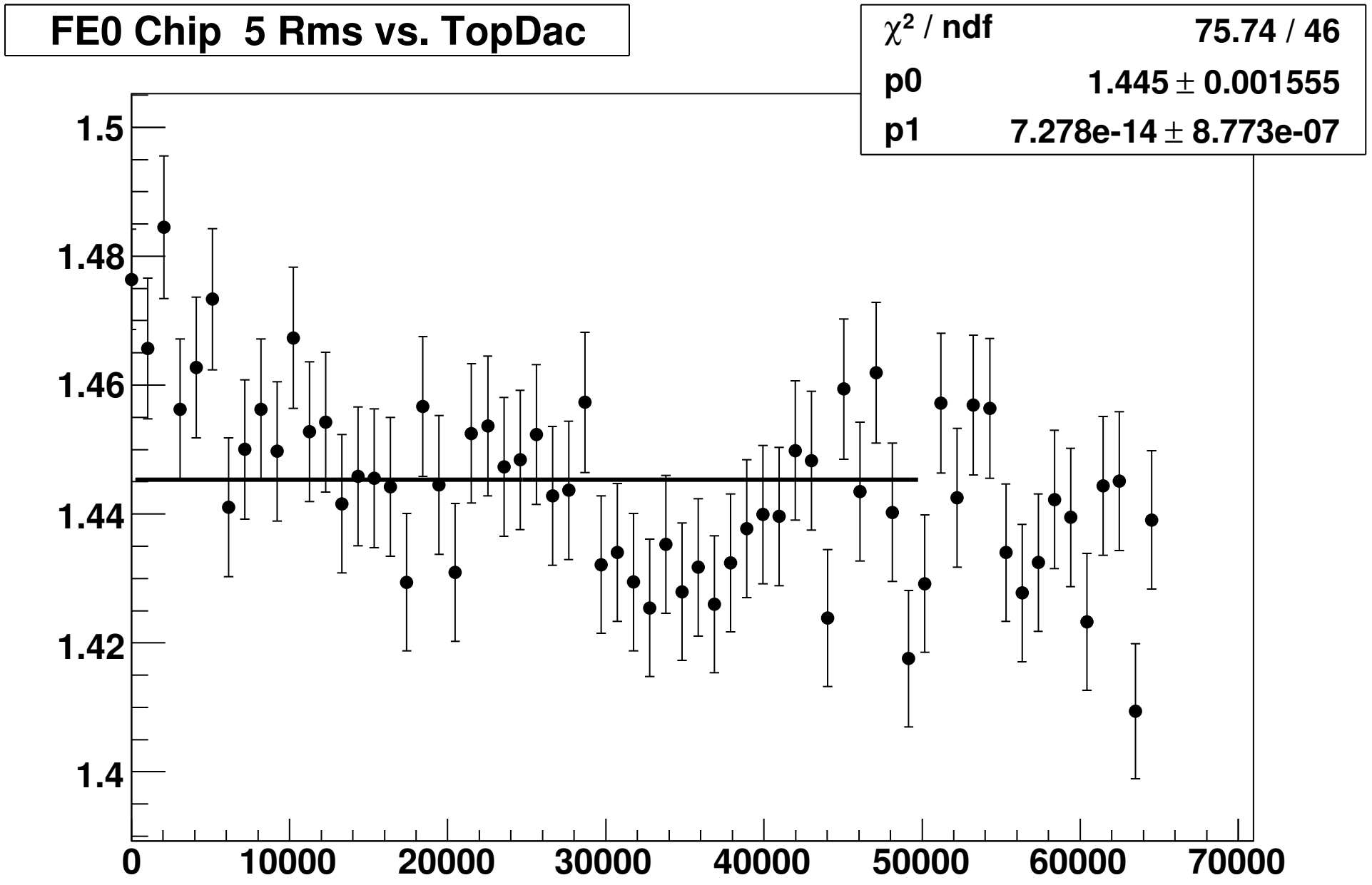
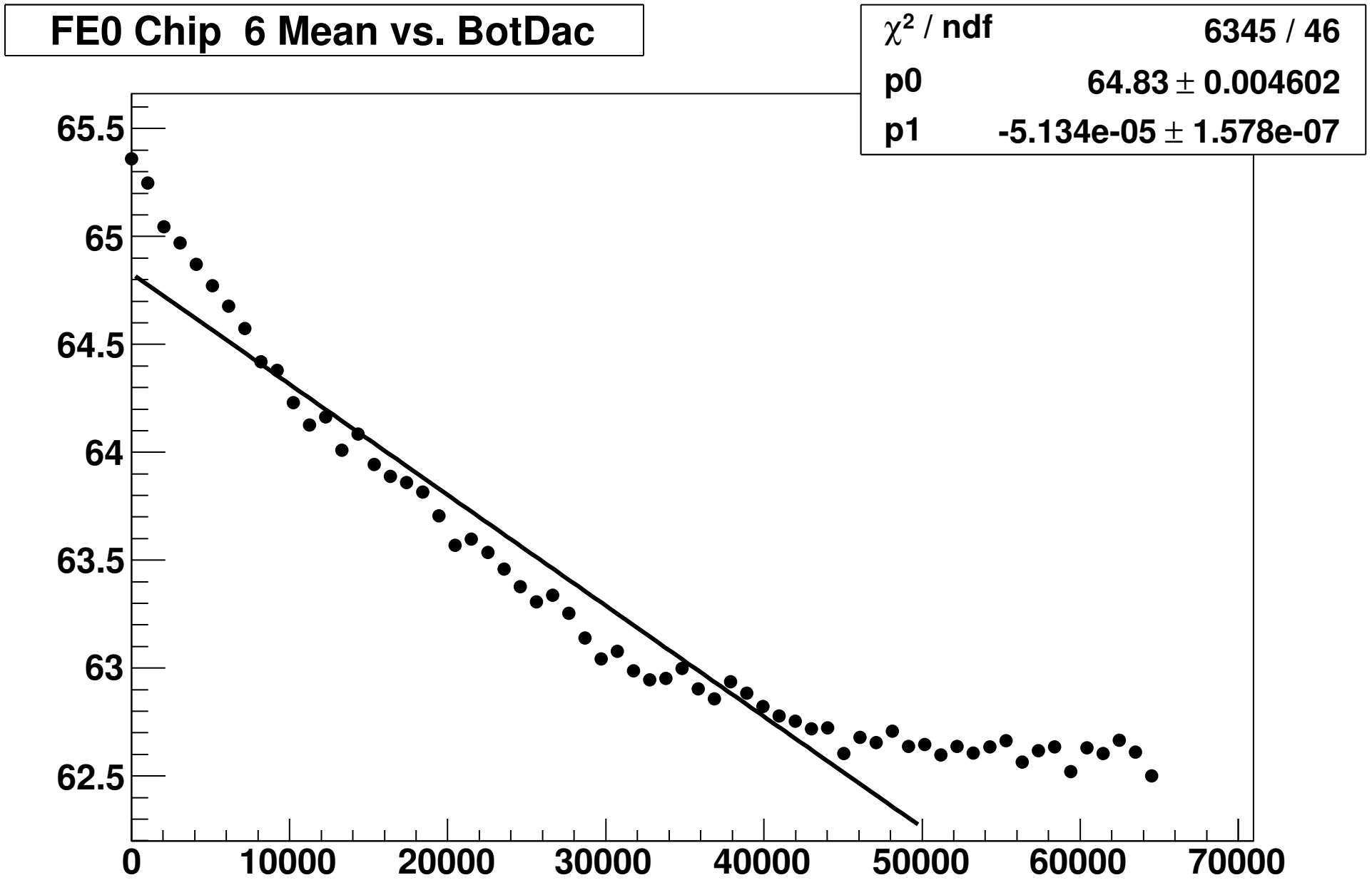
50000
60000
70000


FE0 Chip 5 Rms vs. TopDac
χ² / ndf 75.74 / 46
p0 1.445 ± 0.001555
p1 7.278e-14 ± 8.773e-07
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Mean vs. BotDac
χ² / ndf 6345 / 46
p0 64.83 ± 0.004602
p1 -5.134e-05 ± 1.578e-07
65.5
65
64.5
64
63.5
63
62.5
0
10000
20000
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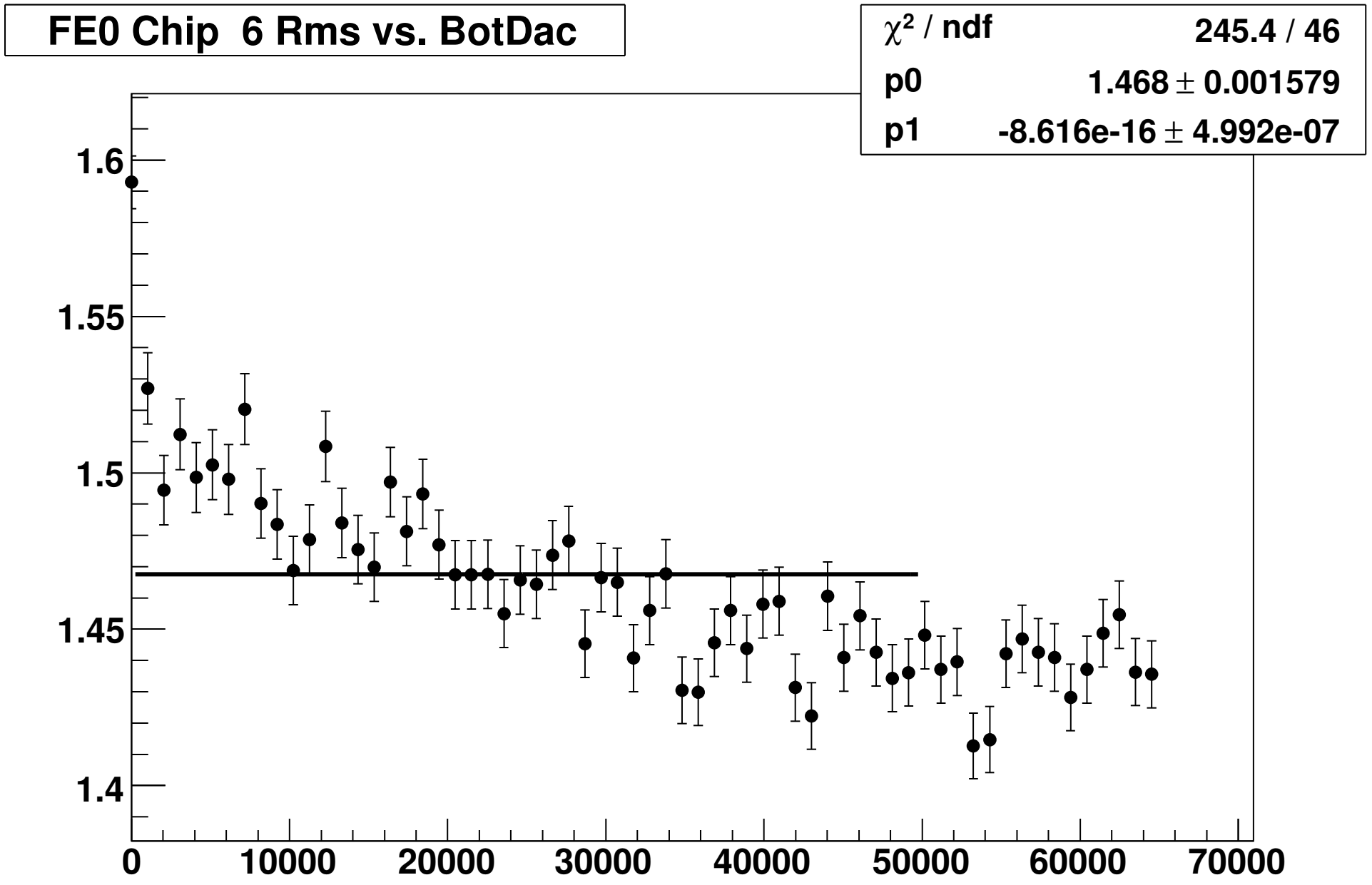
50000
60000
70000


FE0 Chip 6 Rms vs. BotDac
χ² / ndf 245.4 / 46
p0 1.468 ± 0.001579
p1 -8.616e-16 ± 4.992e-07
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1.55
1.5
1.45
1.4
0
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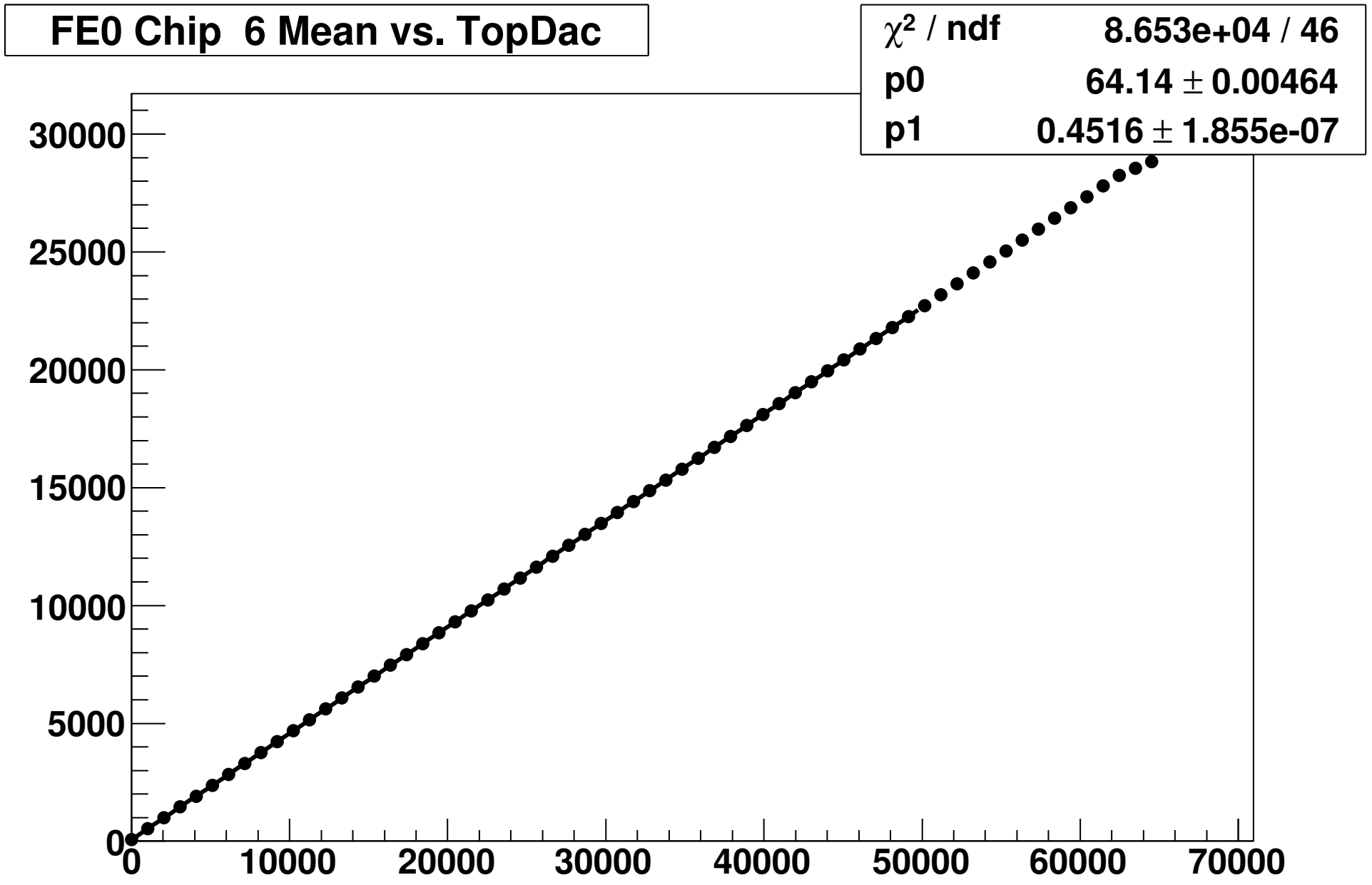
FE0 Chip 6 Mean vs. TopDac
χ² / ndf 8.653e+04 / 46
p0 64.14 ± 0.00464
p1 0.4516 ± 1.855e-07
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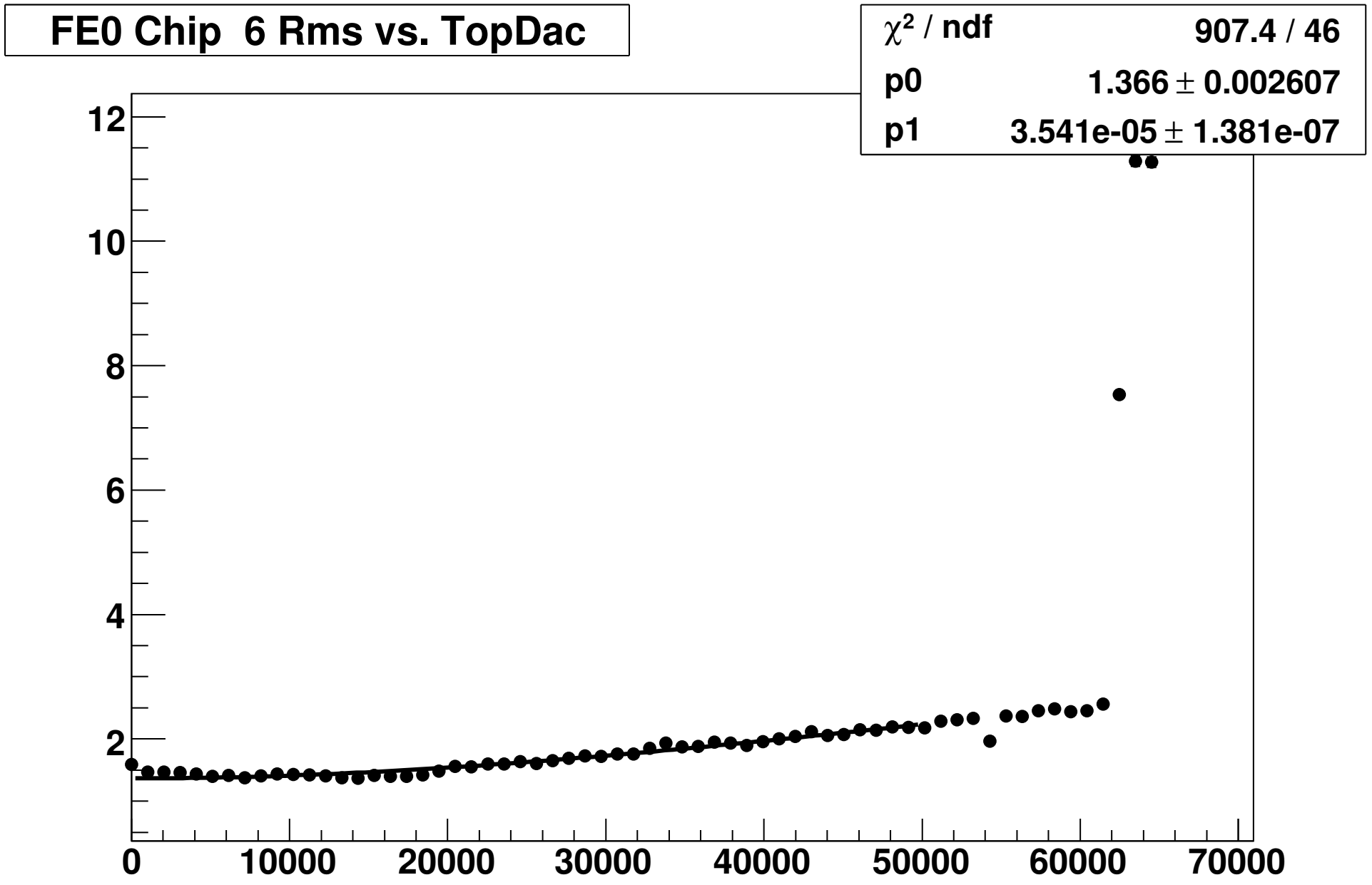
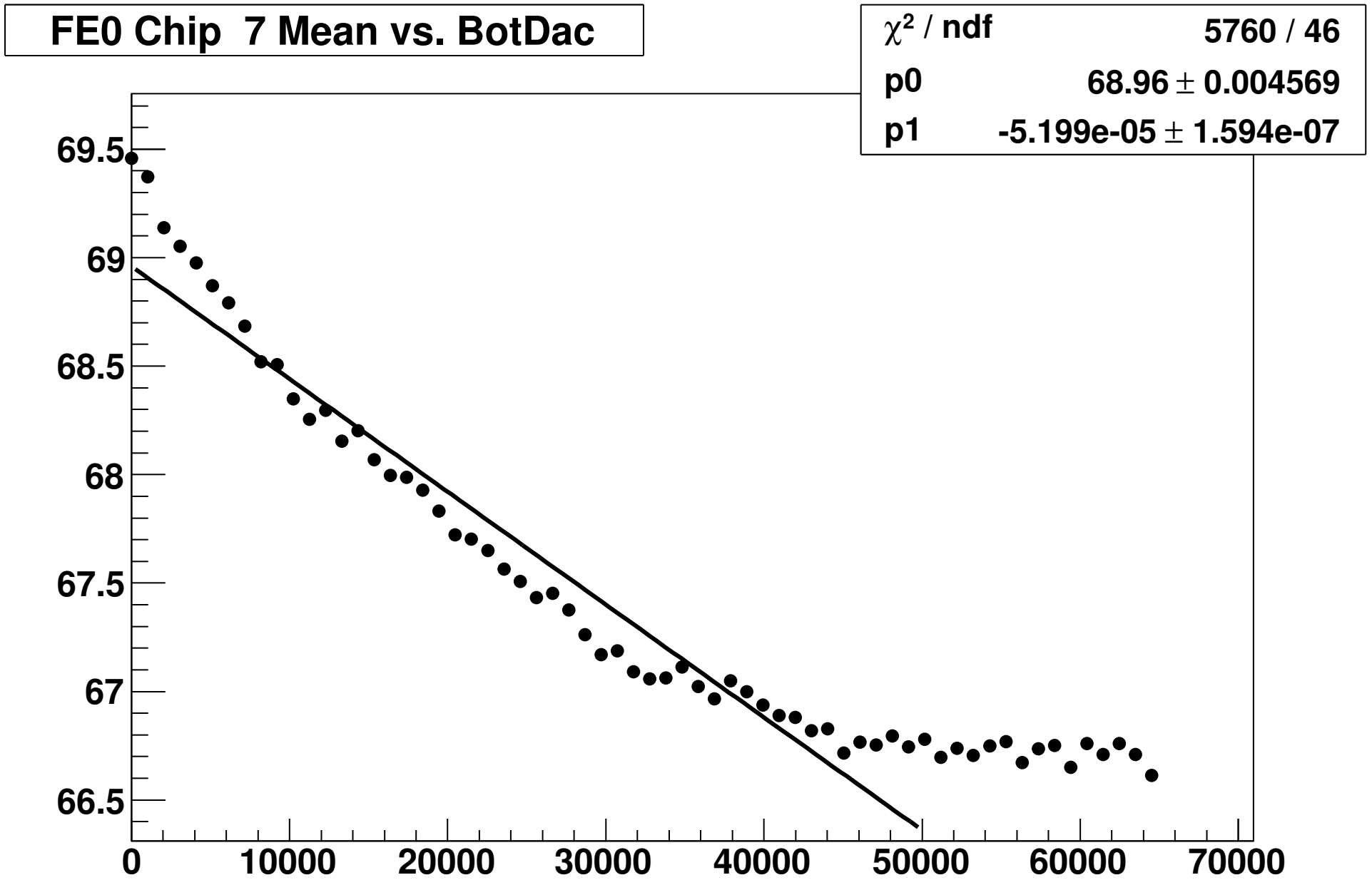
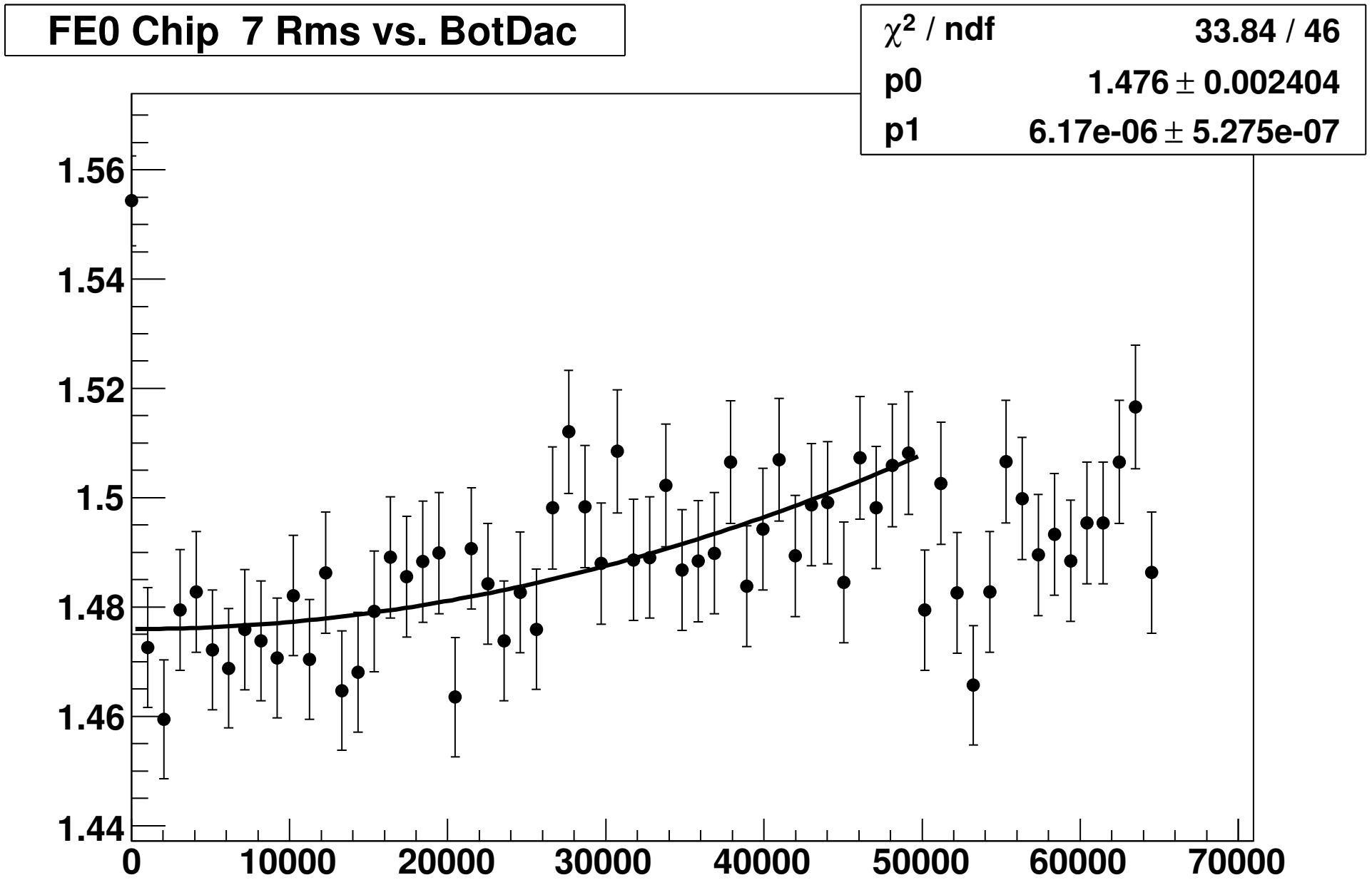
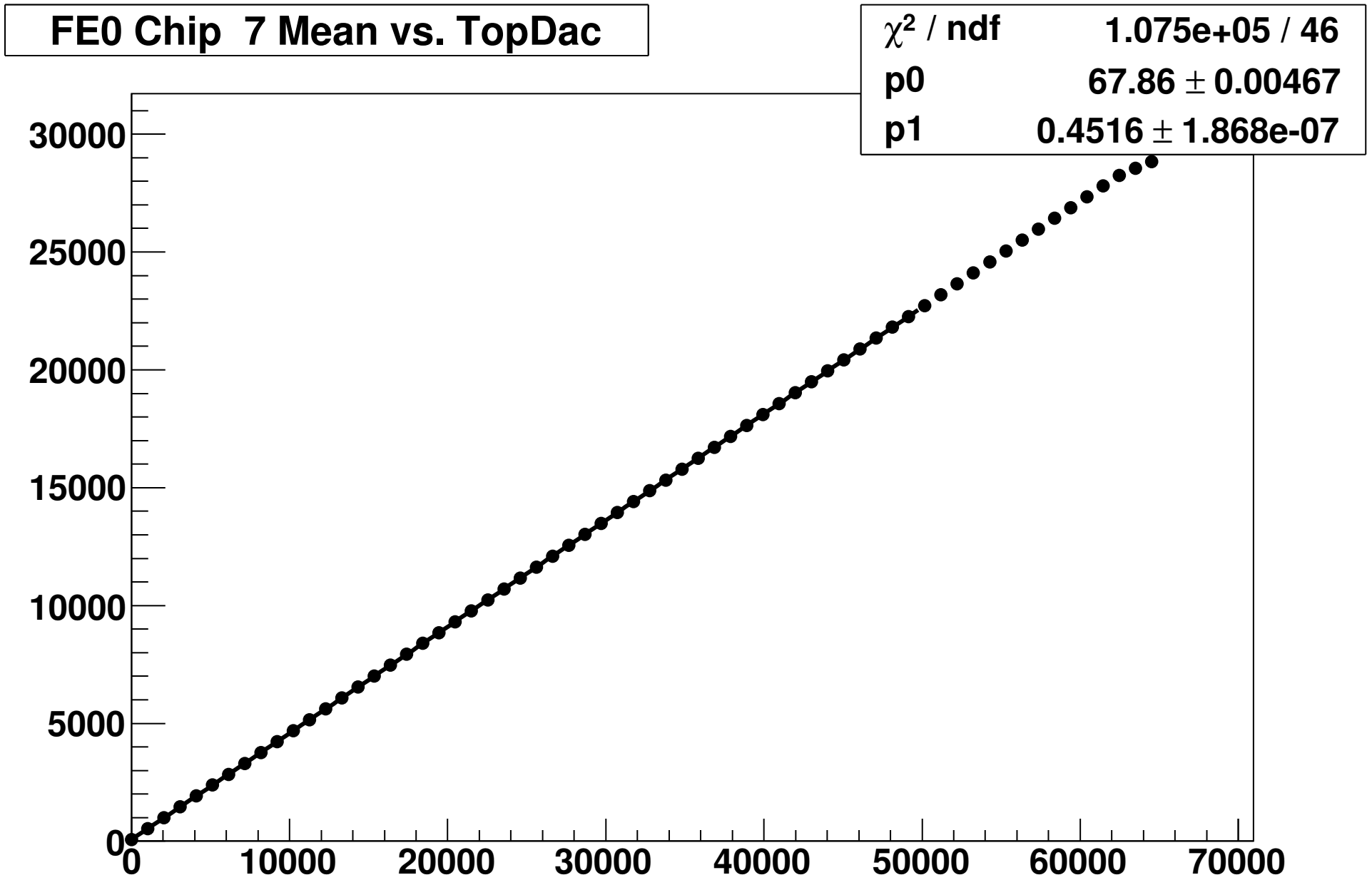
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 907.4 / 46
p0 1.366 ± 0.002607
p1 3.541e-05 ± 1.381e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 5760 / 46
p0 68.96 ± 0.004569
p1 -5.199e-05 ± 1.594e-07
69.5
69
68.5
68
67.5
67
66.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 33.84 / 46
p0 1.476 ± 0.002404
p1 6.17e-06 ± 5.275e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 1.075e+05 / 46
p0 67.86 ± 0.00467
p1 0.4516 ± 1.868e-07
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20000
15000
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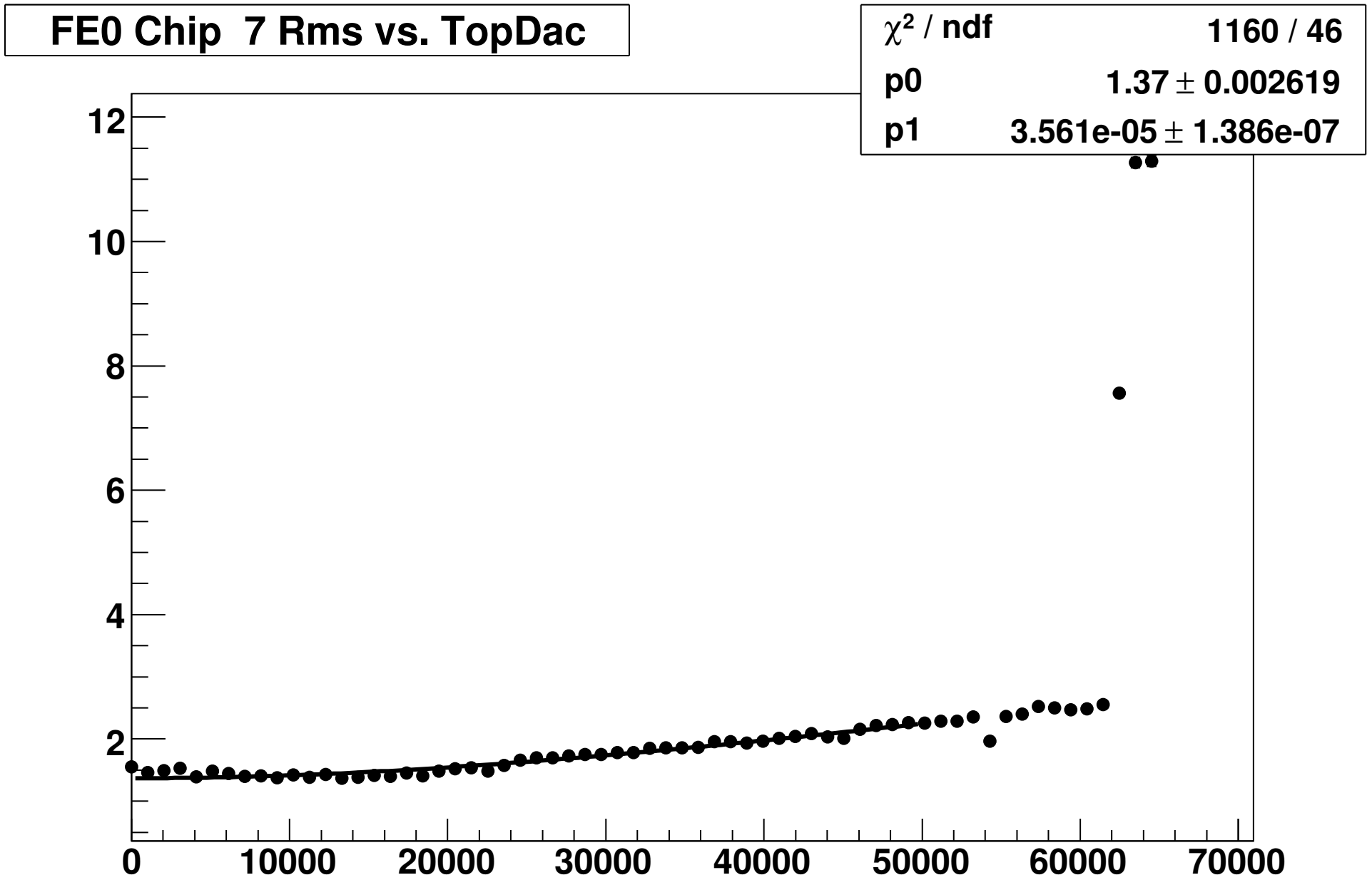
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1160 / 46
p0 1.37 ± 0.002619
p1 3.561e-05 ± 1.386e-07
12
10
8
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4
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20000
30000
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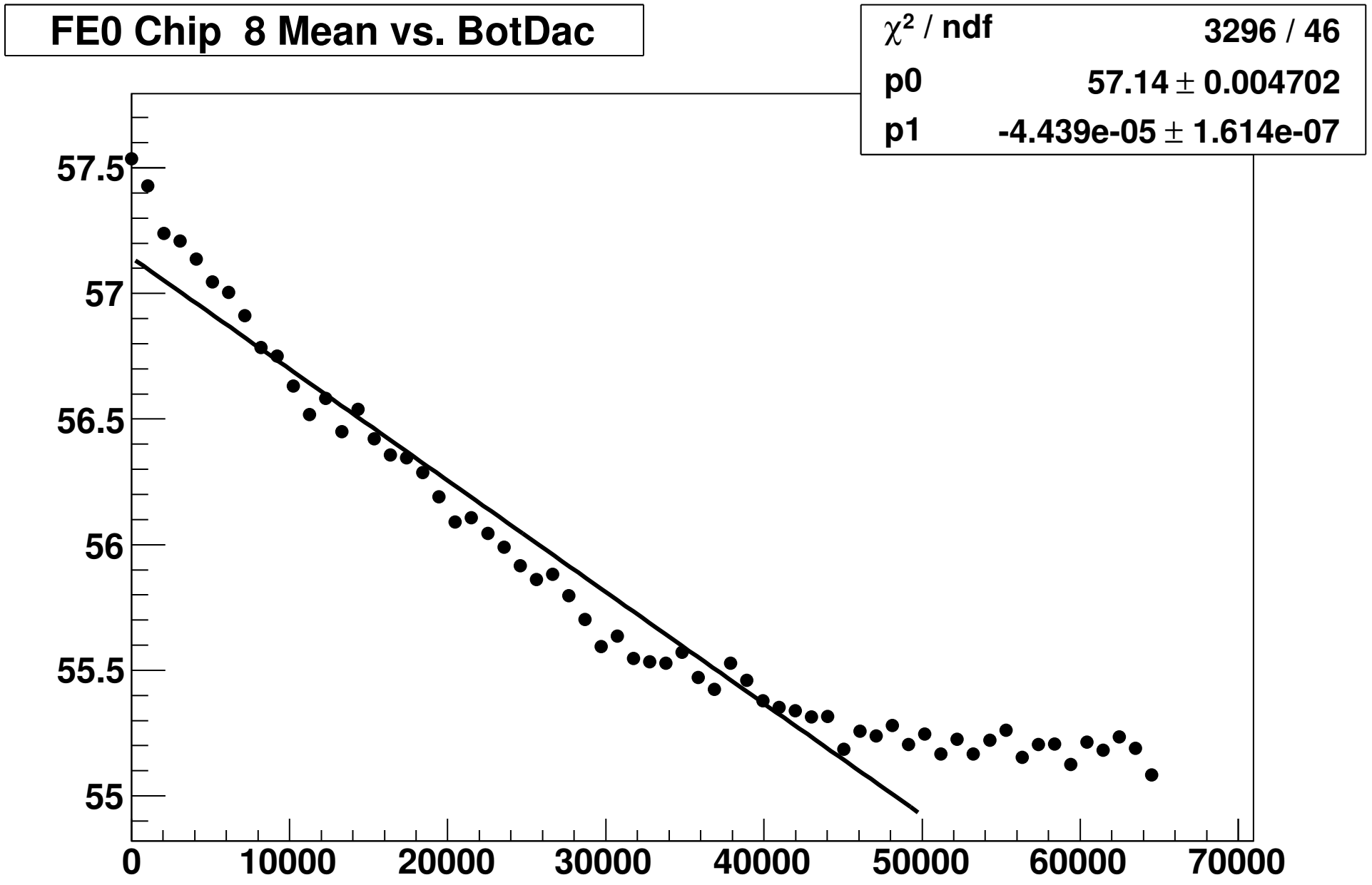
FE0 Chip 8 Mean vs. BotDac
χ² / ndf 3296 / 46
p0 57.14 ± 0.004702
p1 -4.439e-05 ± 1.614e-07
57.5
57
56.5
56
55.5
55
0
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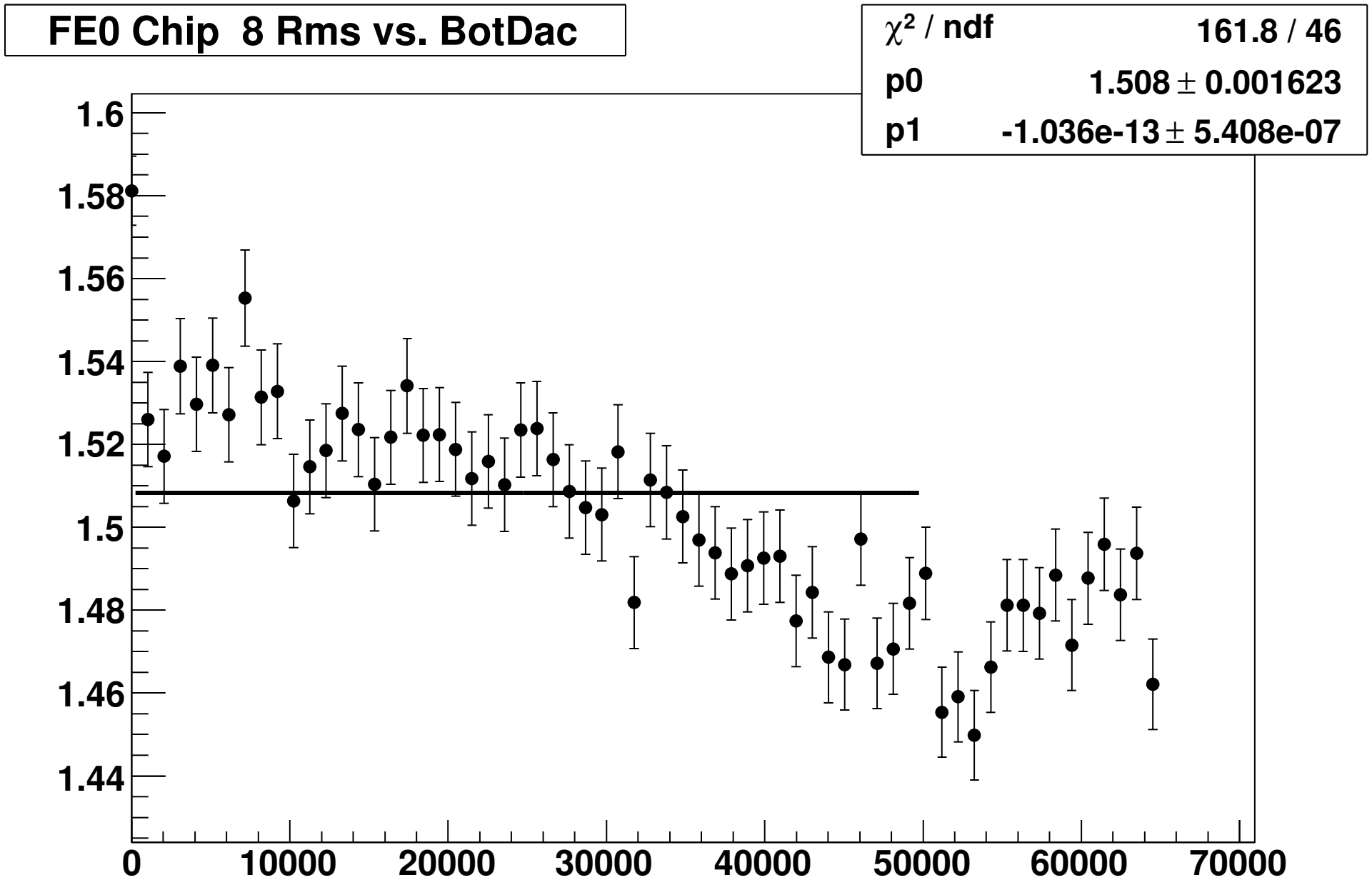
FE0 Chip 8 Rms vs. BotDac
χ² / ndf 161.8 / 46
p0 1.508 ± 0.001623
p1 -1.036e-13 ± 5.408e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
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20000
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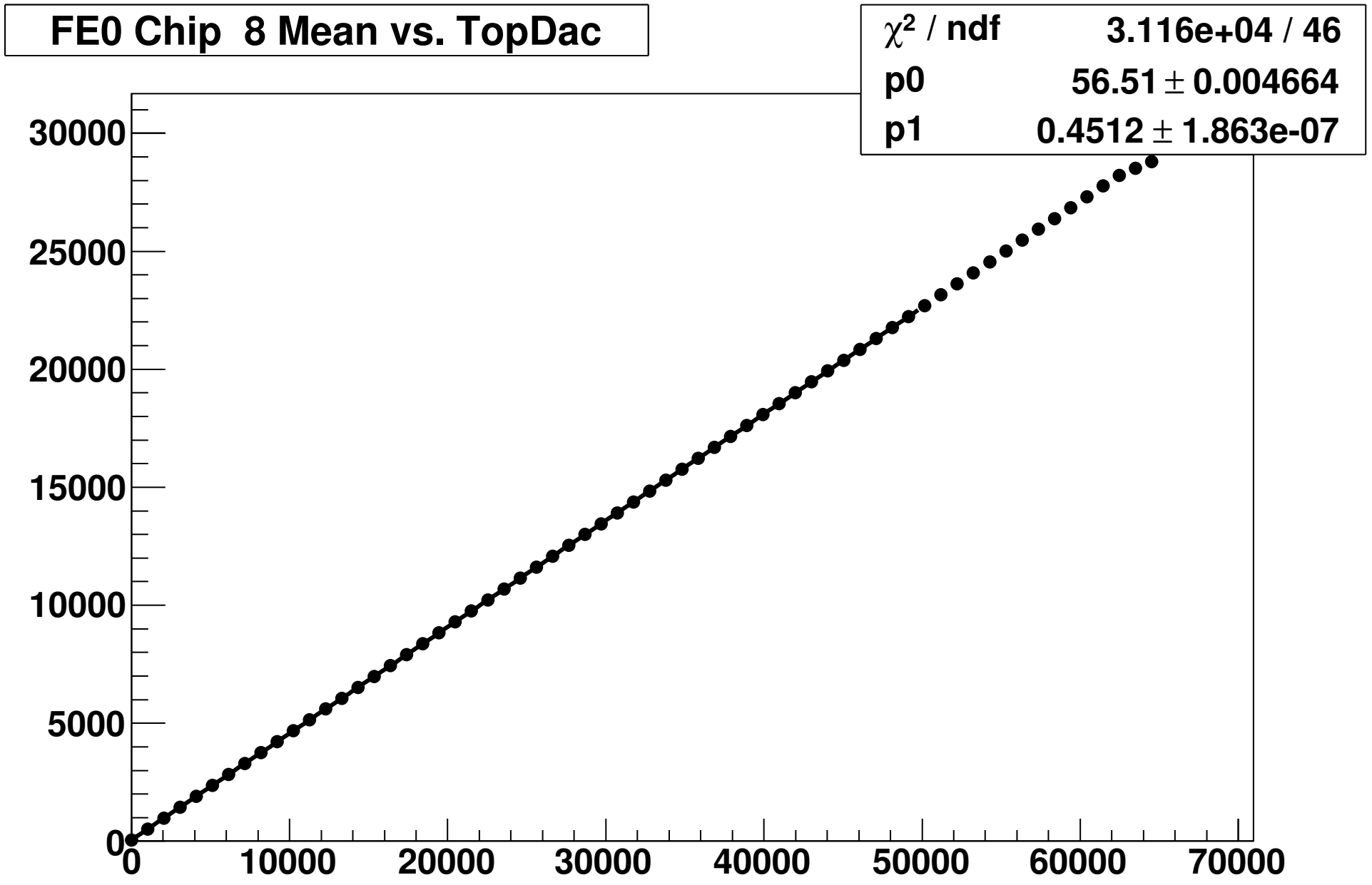
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 3.116e+04 / 46
p0 56.51 ± 0.004664
p1 0.4512 ± 1.863e-07
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20000
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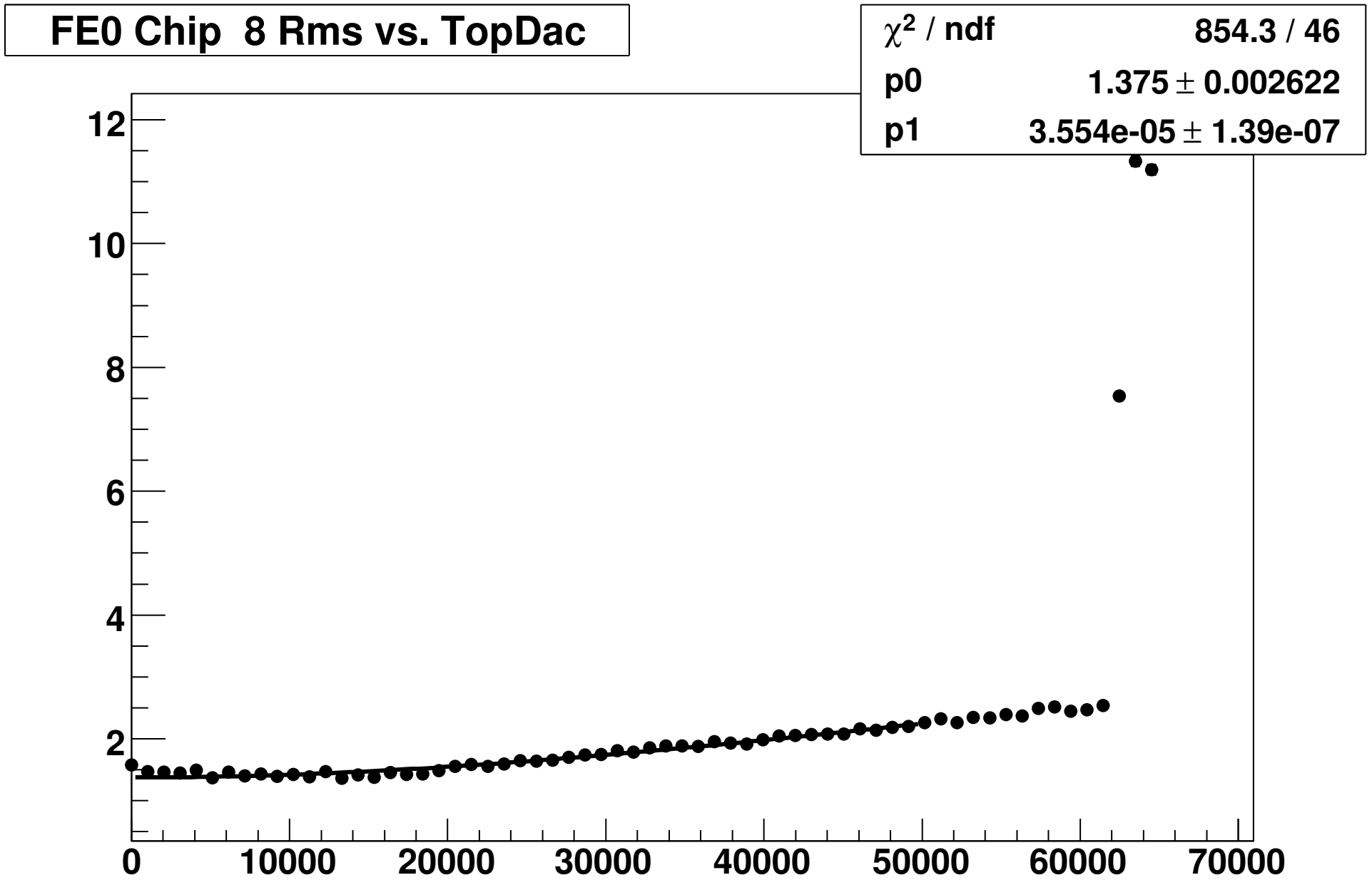
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 854.3 / 46
p0 1.375 ± 0.002622
p1 3.554e-05 ± 1.39e-07
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10
8
6
4
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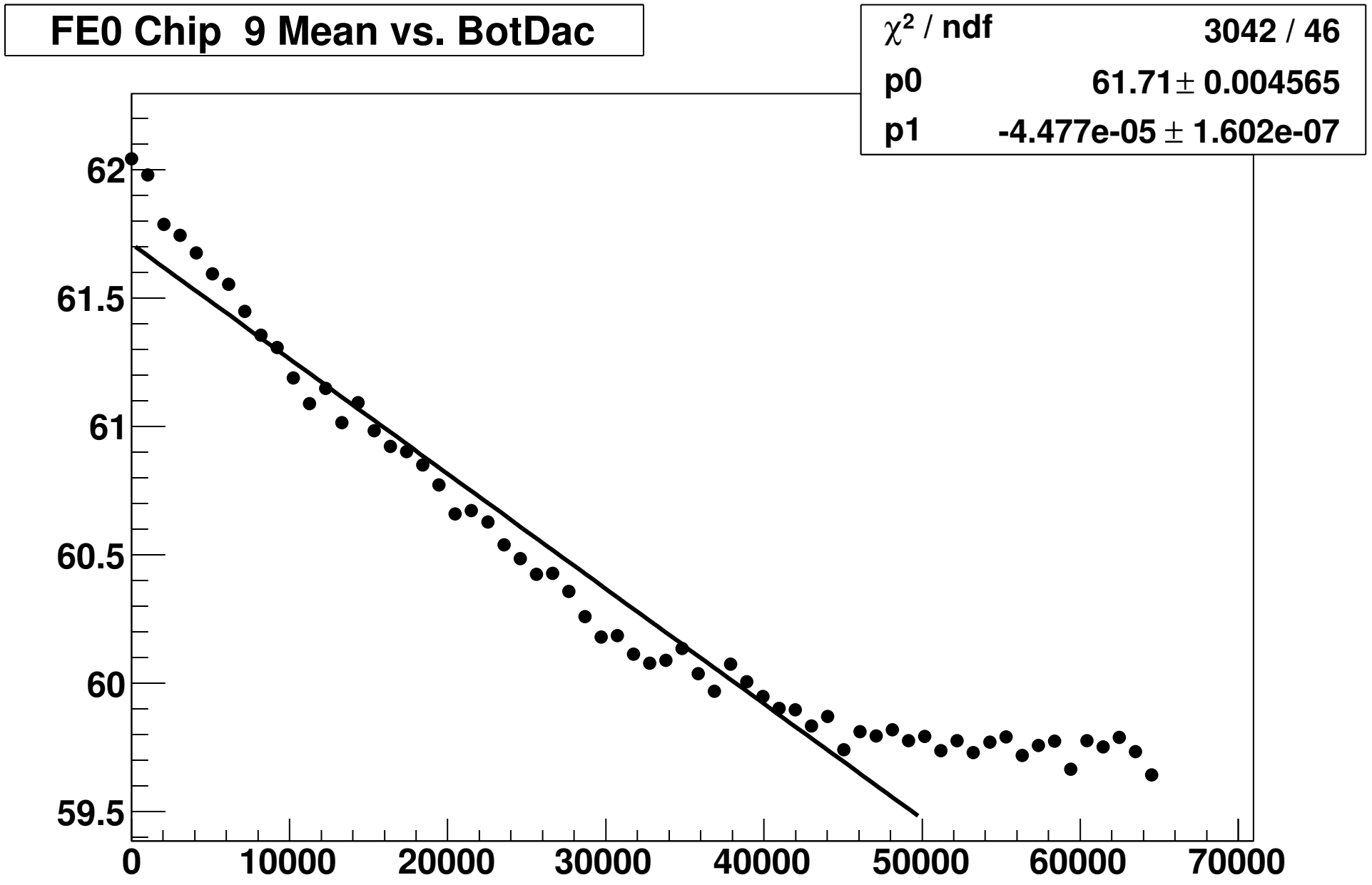
FE0 Chip 9 Mean vs. BotDac
χ² / ndf 3042 / 46
p0 61.71 ± 0.004565
p1 -4.477e-05 ± 1.602e-07
62
61.5
61
60.5
60
59.5
0
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20000
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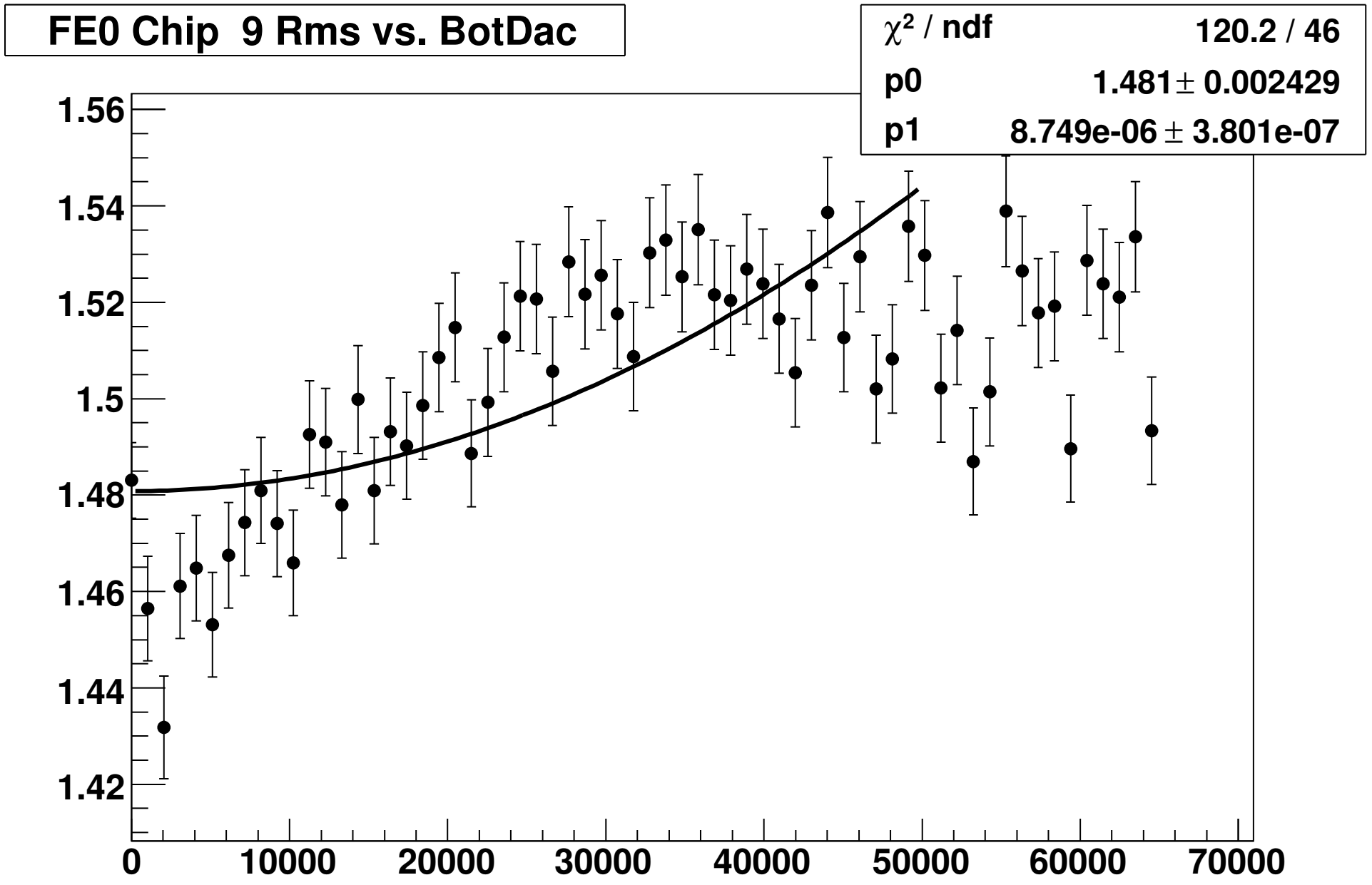
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 120.2 / 46
p0 1.481 ± 0.002429
p1 8.749e-06 ± 3.801e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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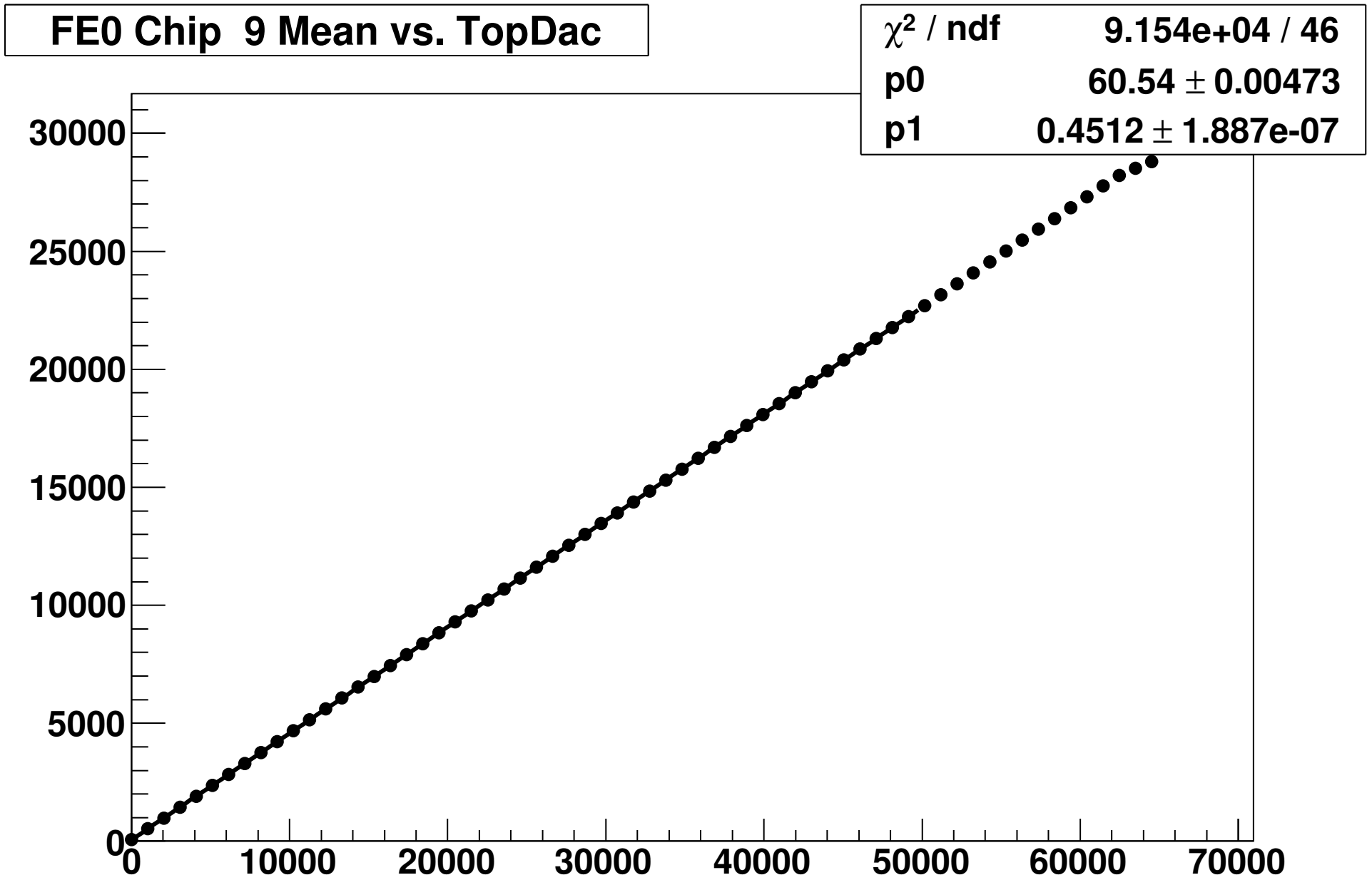
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 9.154e+04 / 46
p0 60.54 ± 0.00473
p1 0.4512 ± 1.887e-07
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0
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10000
20000
30000
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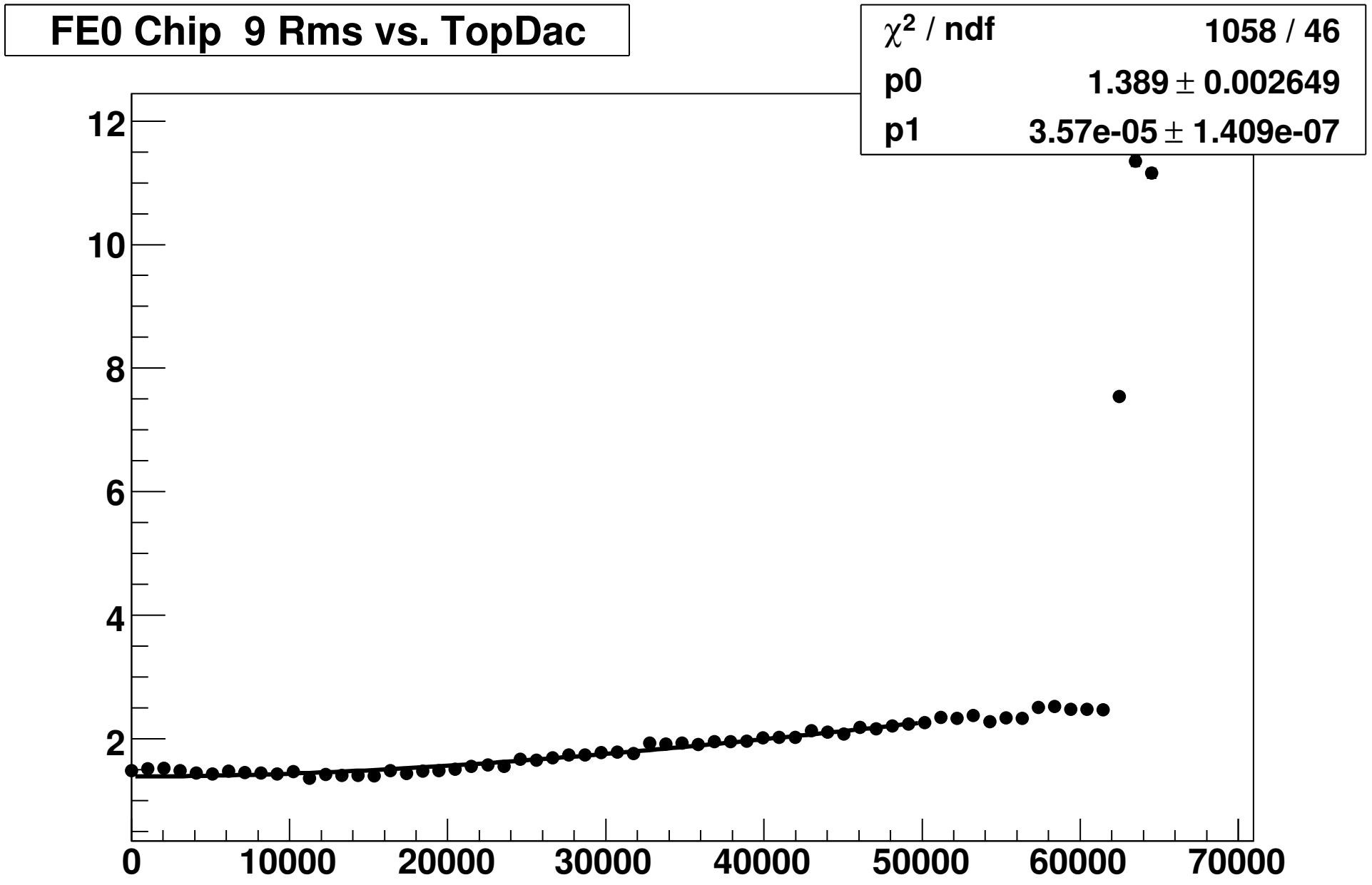
FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1058 / 46
p0 1.389 ± 0.002649
p1 3.57e-05 ± 1.409e-07
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10
8
6
4
2
0
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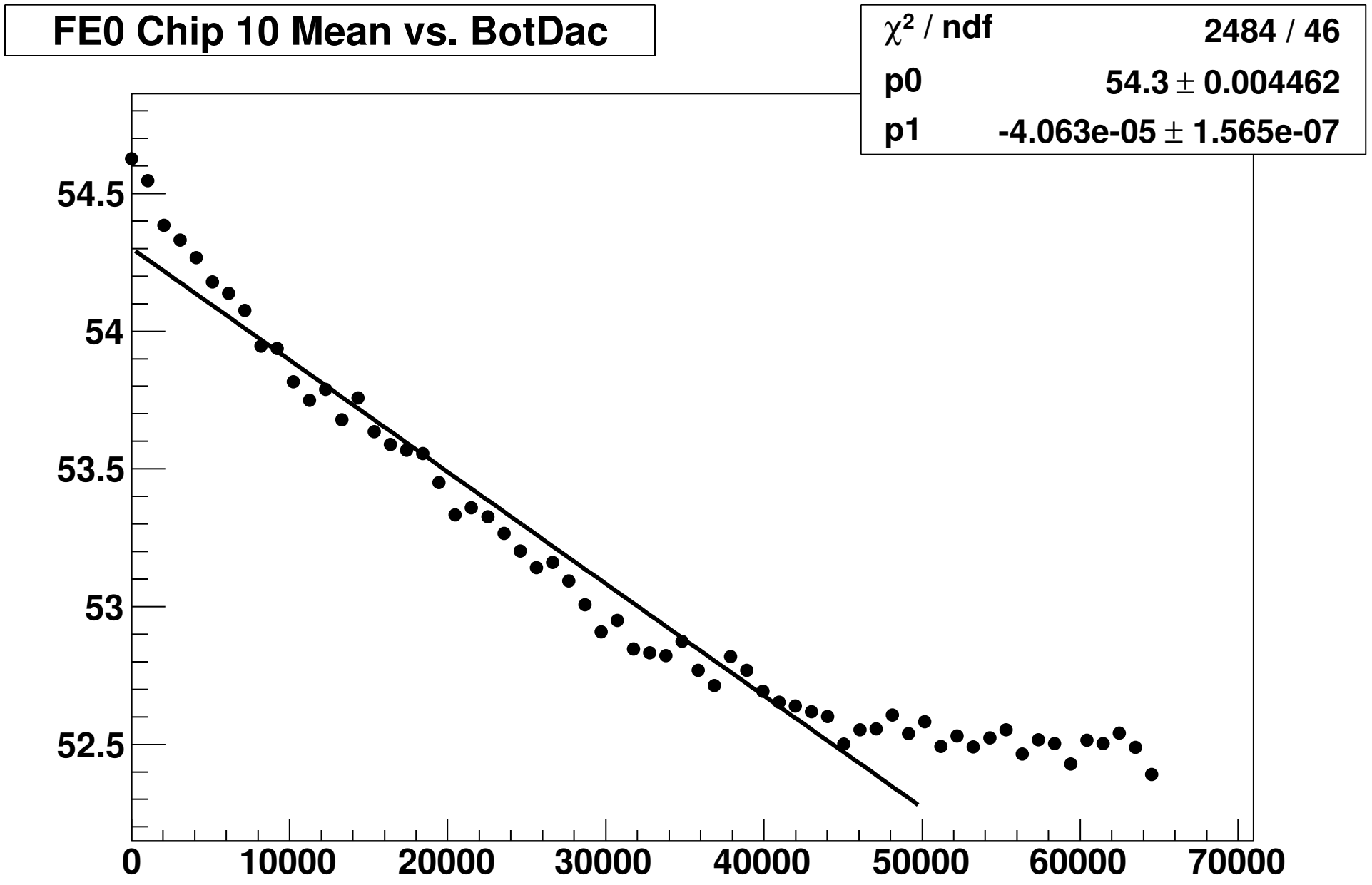
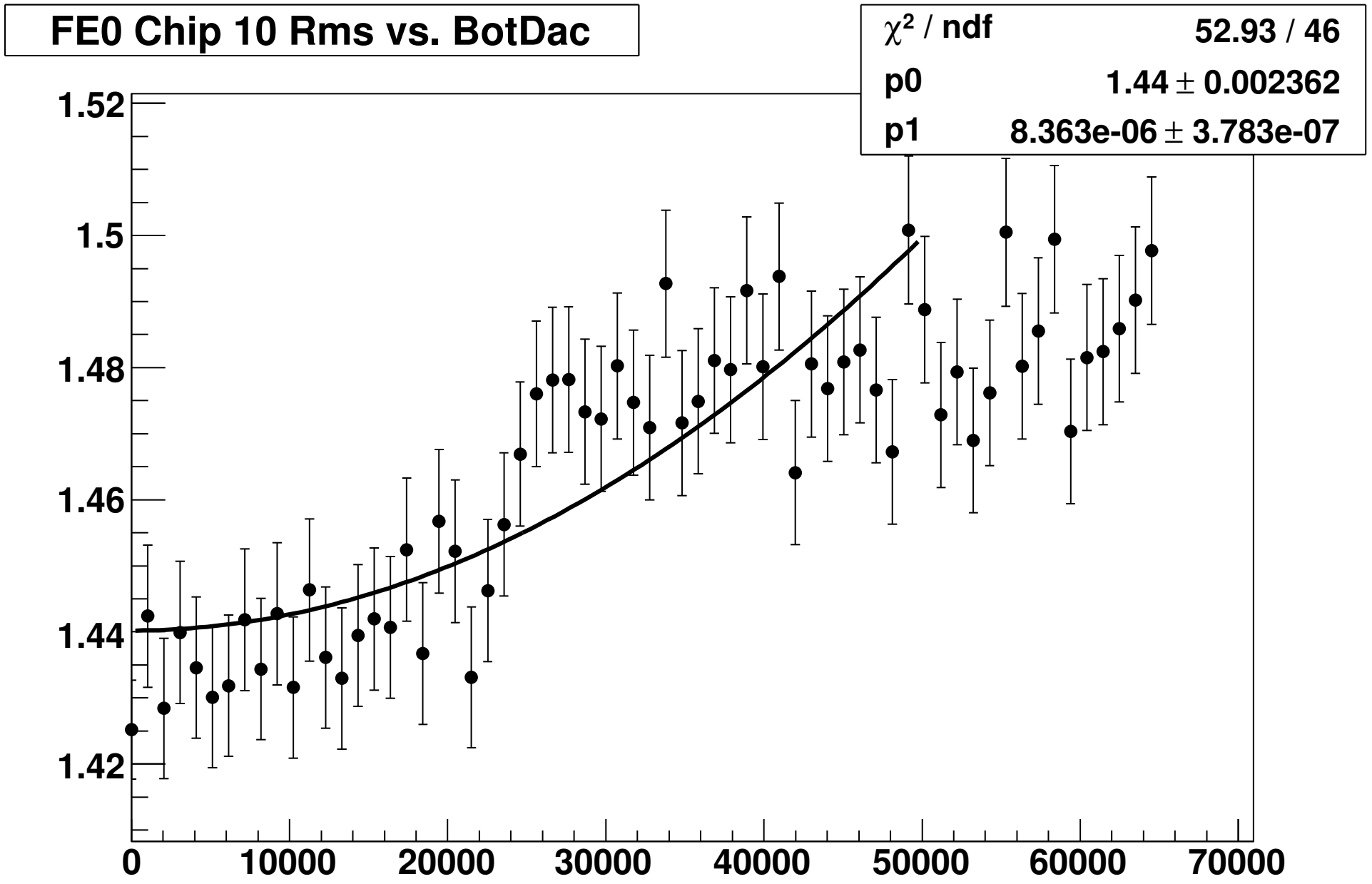
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Mean vs. BotDac
χ² / ndf 2484 / 46
p0 54.3 ± 0.004462
p1 -4.063e-05 ± 1.565e-07
54.5
54
53.5
53
52.5
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 52.93 / 46
p0 1.44 ± 0.002362
p1 8.363e-06 ± 3.783e-07
1.52
1.5
1.48
1.46
1.44
1.42
0
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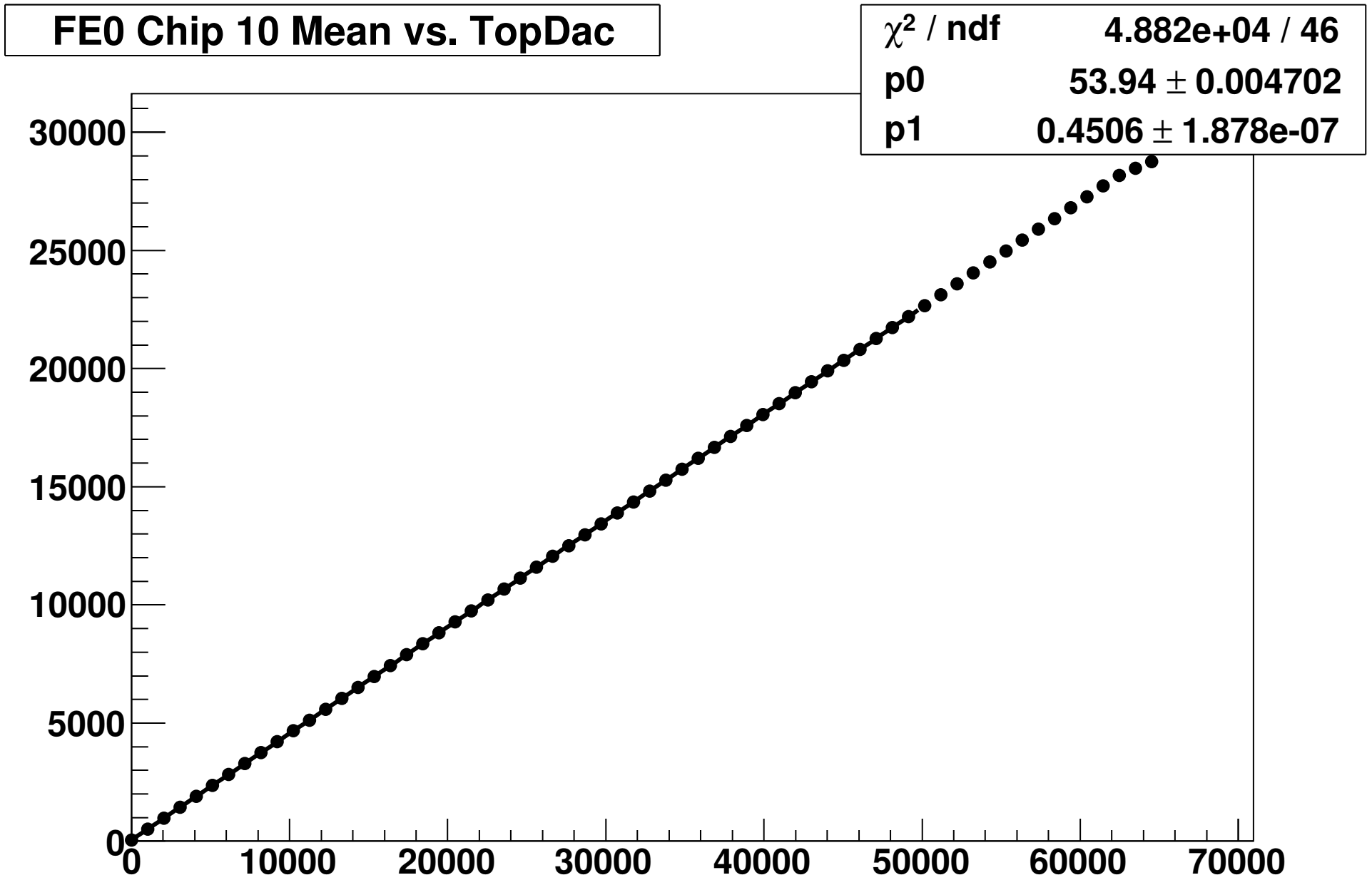
FE0 Chip 10 Mean vs. TopDac
χ² / ndf 4.882e+04 / 46
p0 53.94 ± 0.004702
p1 0.4506 ± 1.878e-07
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20000
15000
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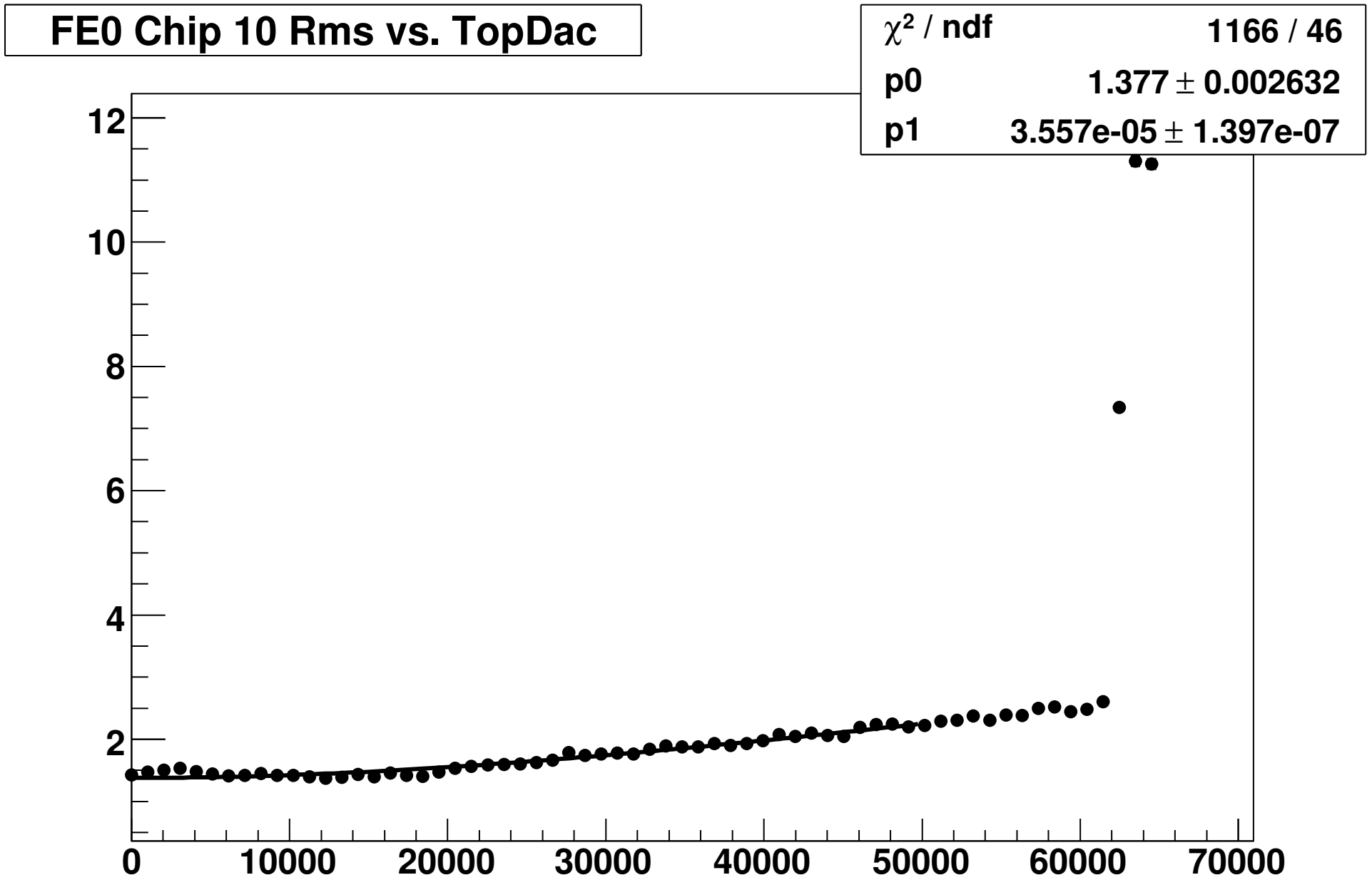
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 1166 / 46
p0 1.377 ± 0.002632
p1 3.557e-05 ± 1.397e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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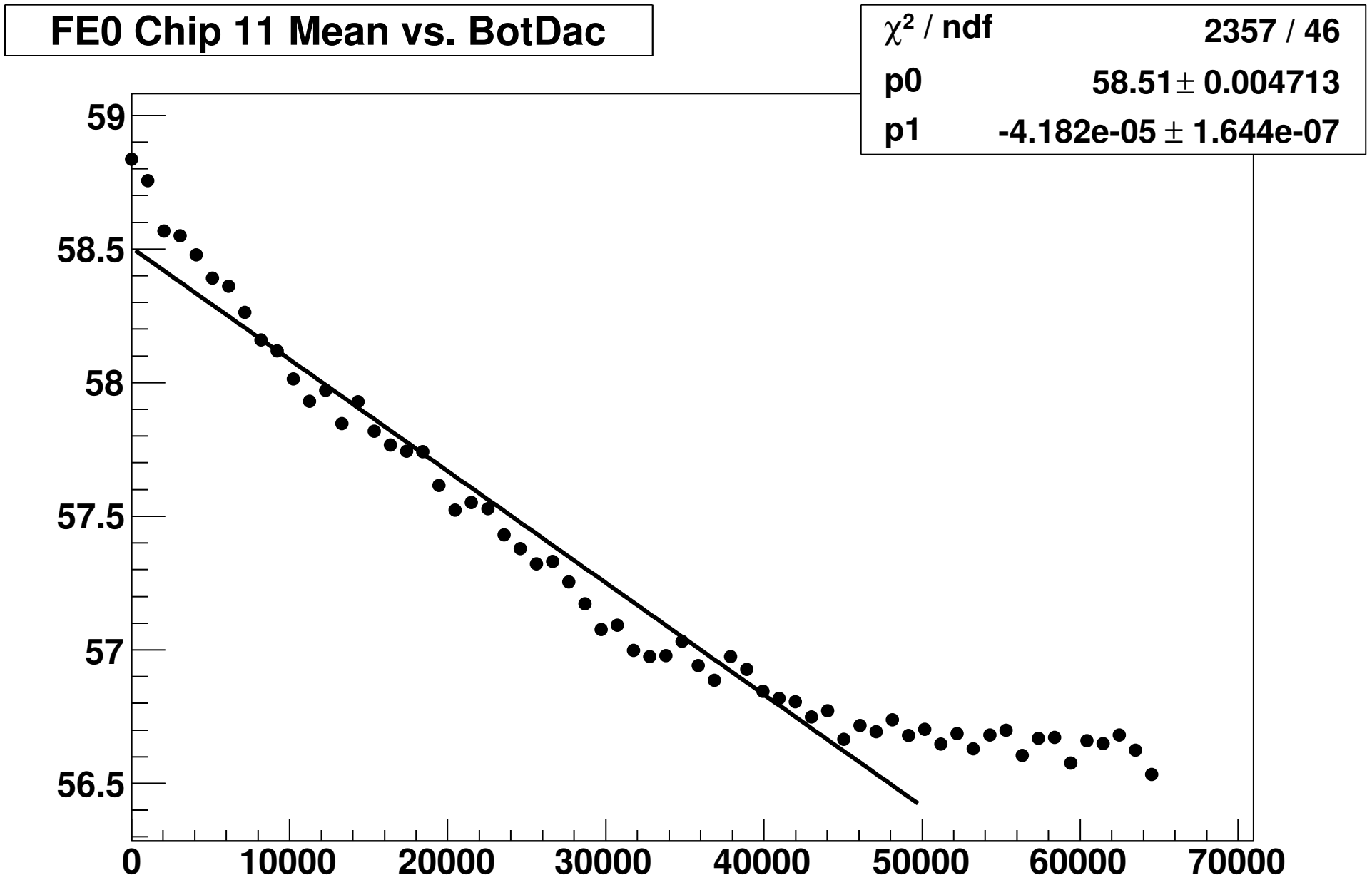
FE0 Chip 11 Mean vs. BotDac
χ² / ndf 2357 / 46
p0 58.51 ± 0.004713
p1 -4.182e-05 ± 1.644e-07
59
58.5
58
57.5
57
56.5
0
10000
20000
30000
40000
50000
60000
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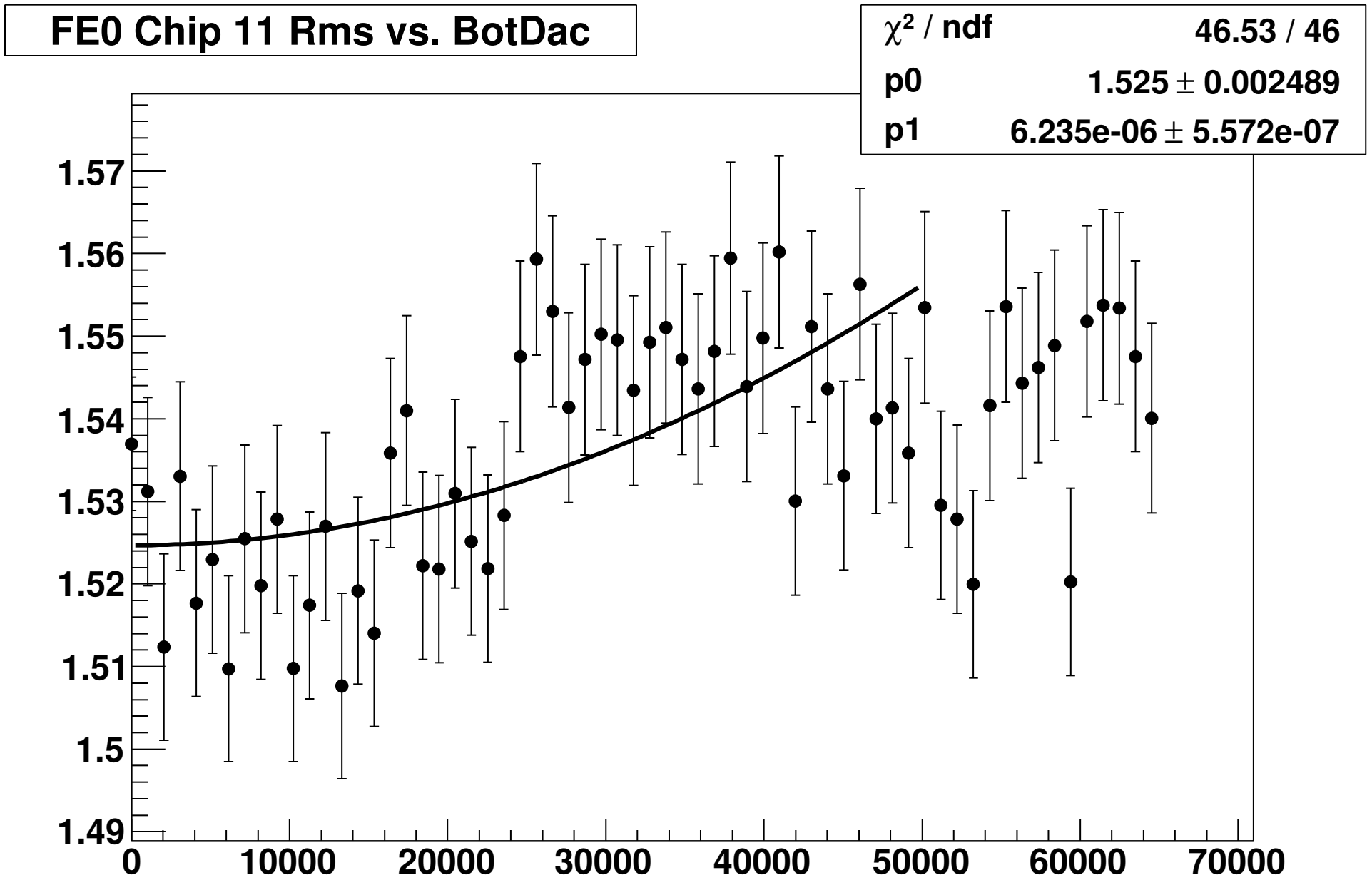
FE0 Chip 11 Rms vs. BotDac
χ² / ndf 46.53 / 46
p0 1.525 ± 0.002489
p1 6.235e-06 ± 5.572e-07
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
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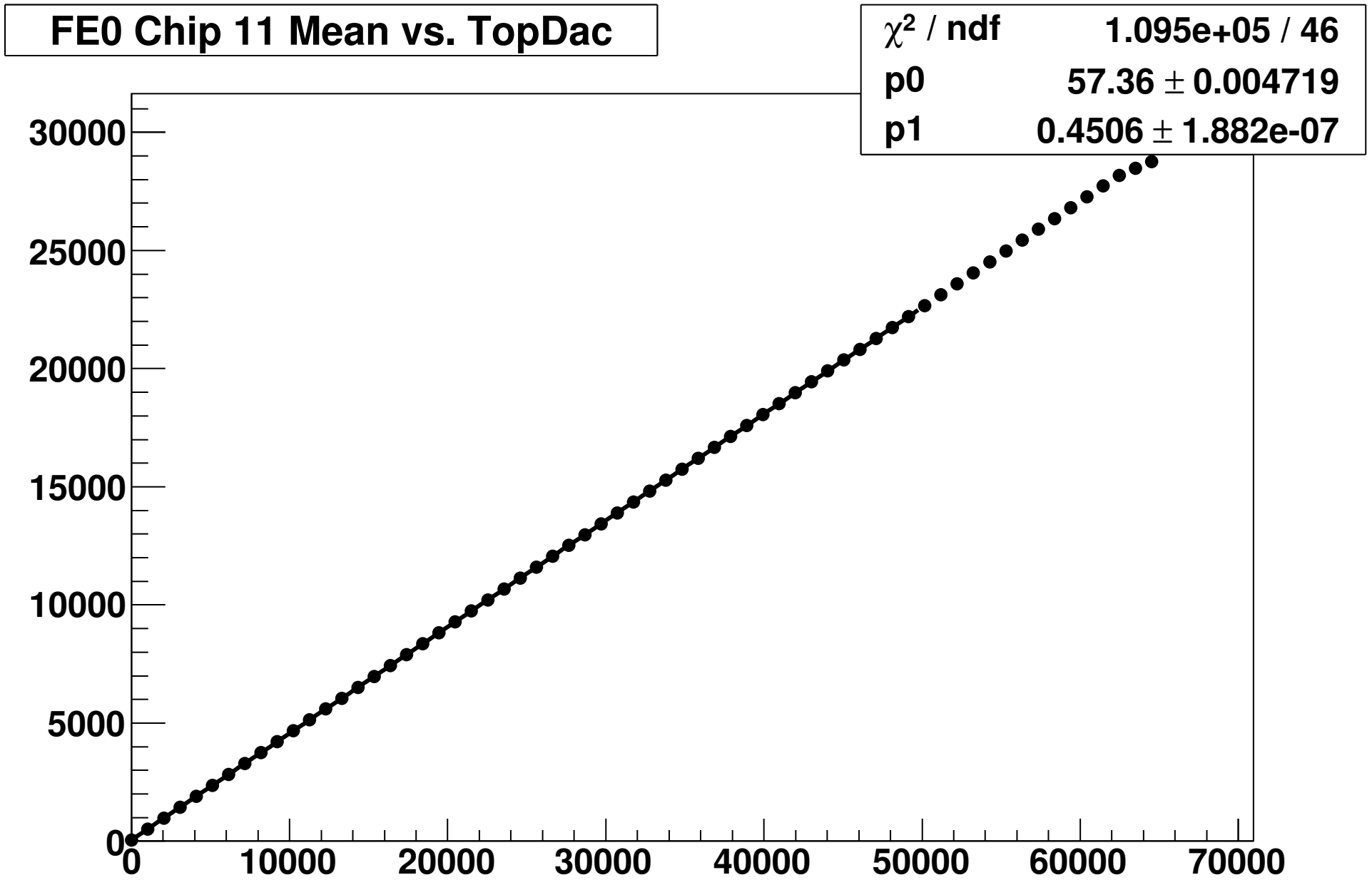
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.095e+05 / 46
p0 57.36 ± 0.004719
p1 0.4506 ± 1.882e-07
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25000
20000
15000
10000
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0
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10000
20000
30000
40000
50000
60000
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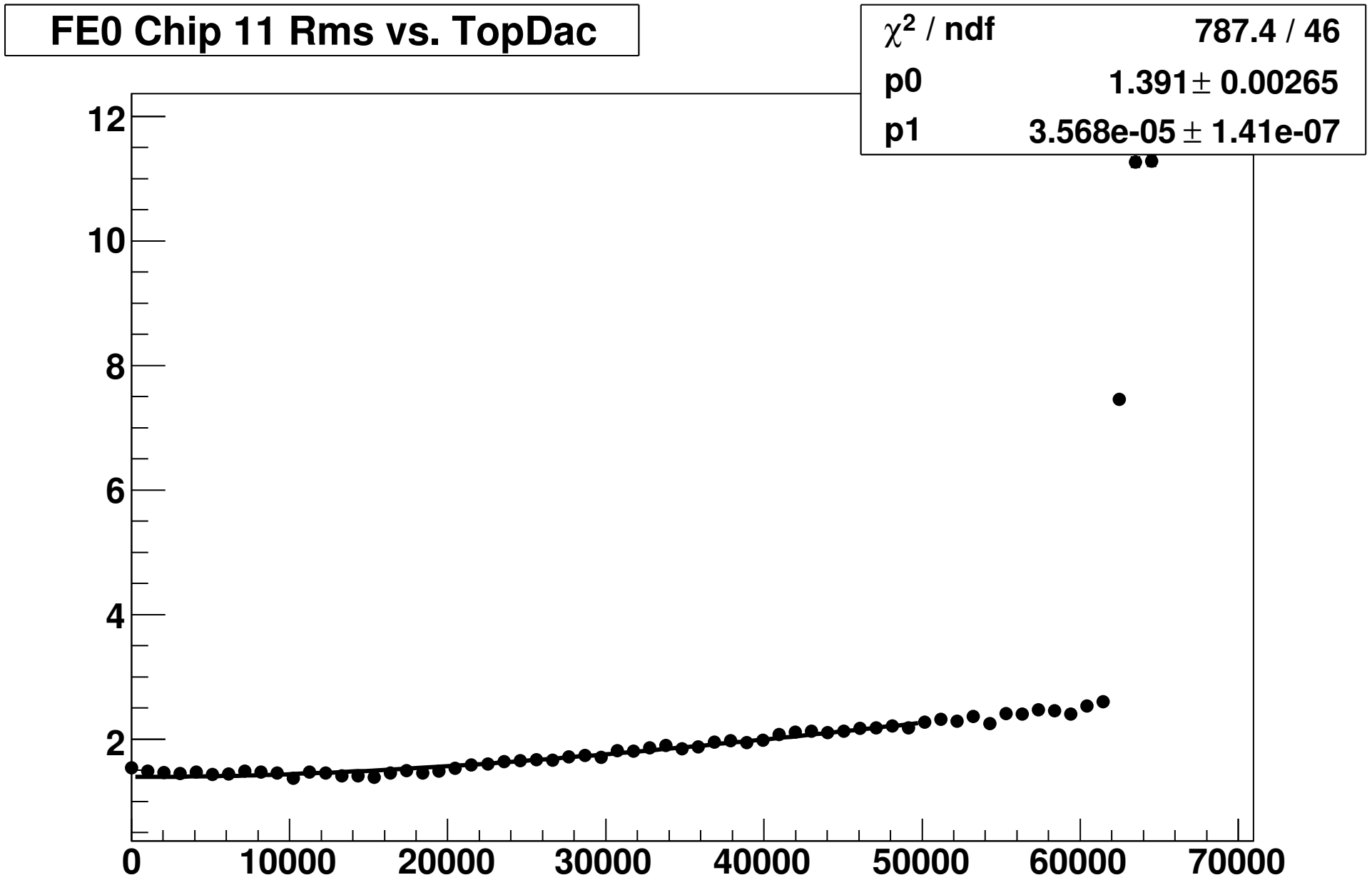
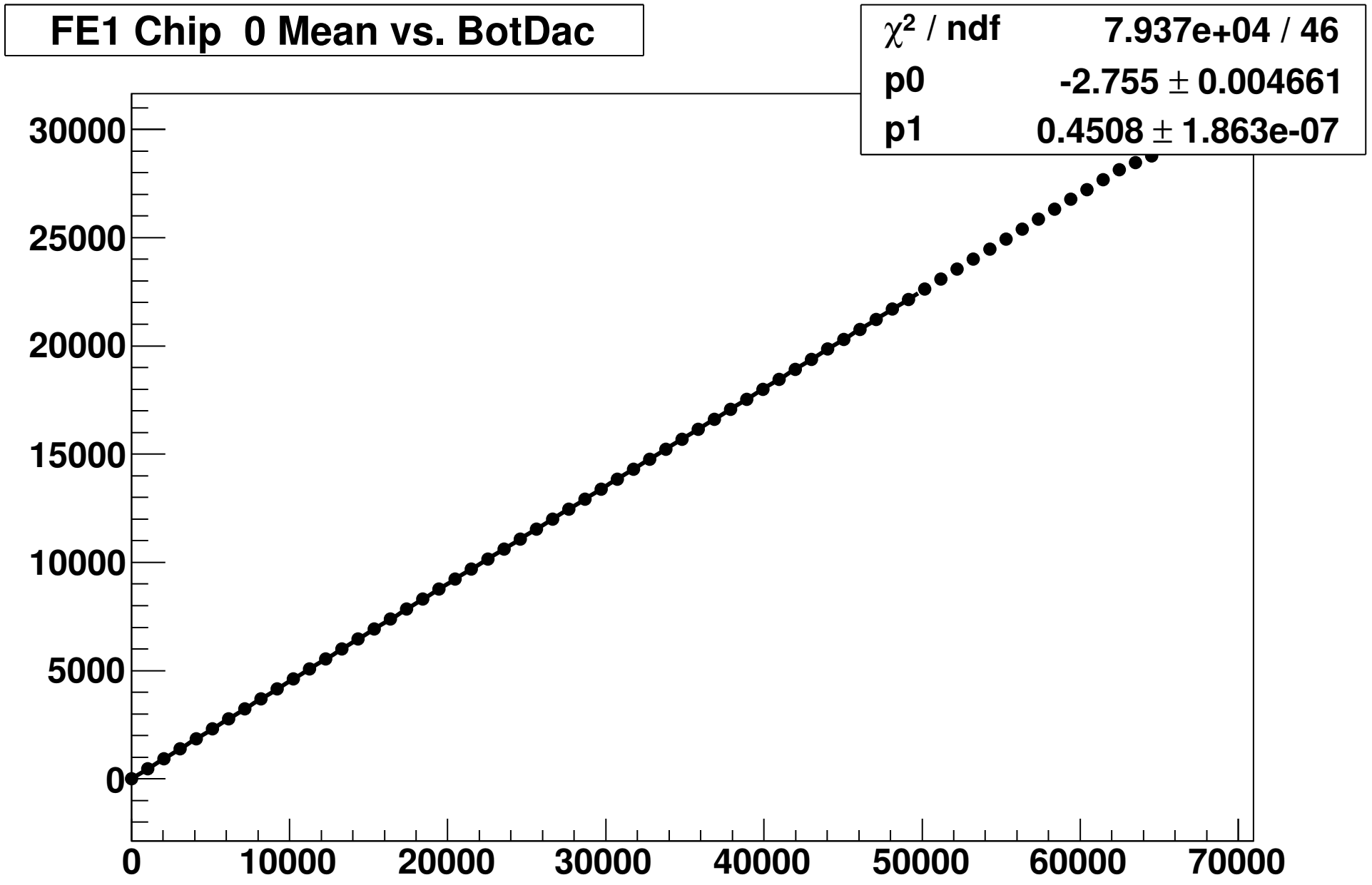

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 787.4 / 46
p0 1.391 ± 0.00265
p1 3.568e-05 ± 1.41e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 7.937e+04 / 46
p0 -2.755 ± 0.004661
p1 0.4508 ± 1.863e-07
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25000
20000
15000
10000
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0
0
10000
20000
30000
40000
50000
60000
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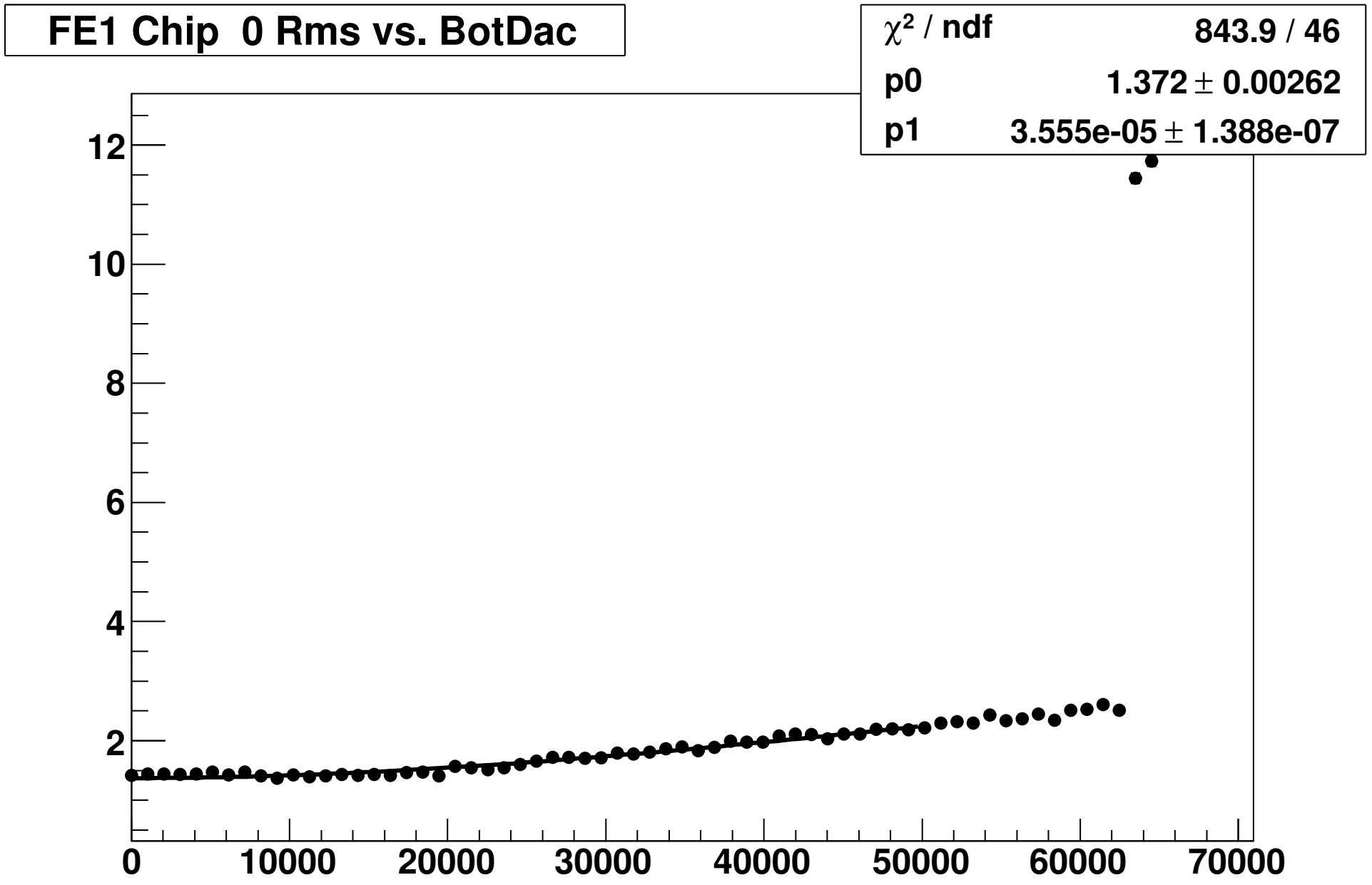
FE1 Chip 0 Rms vs. BotDac
χ² / ndf 843.9 / 46
p0 1.372 ± 0.00262
p1 3.555e-05 ± 1.388e-07
12
10
8
6
4
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20000
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50000
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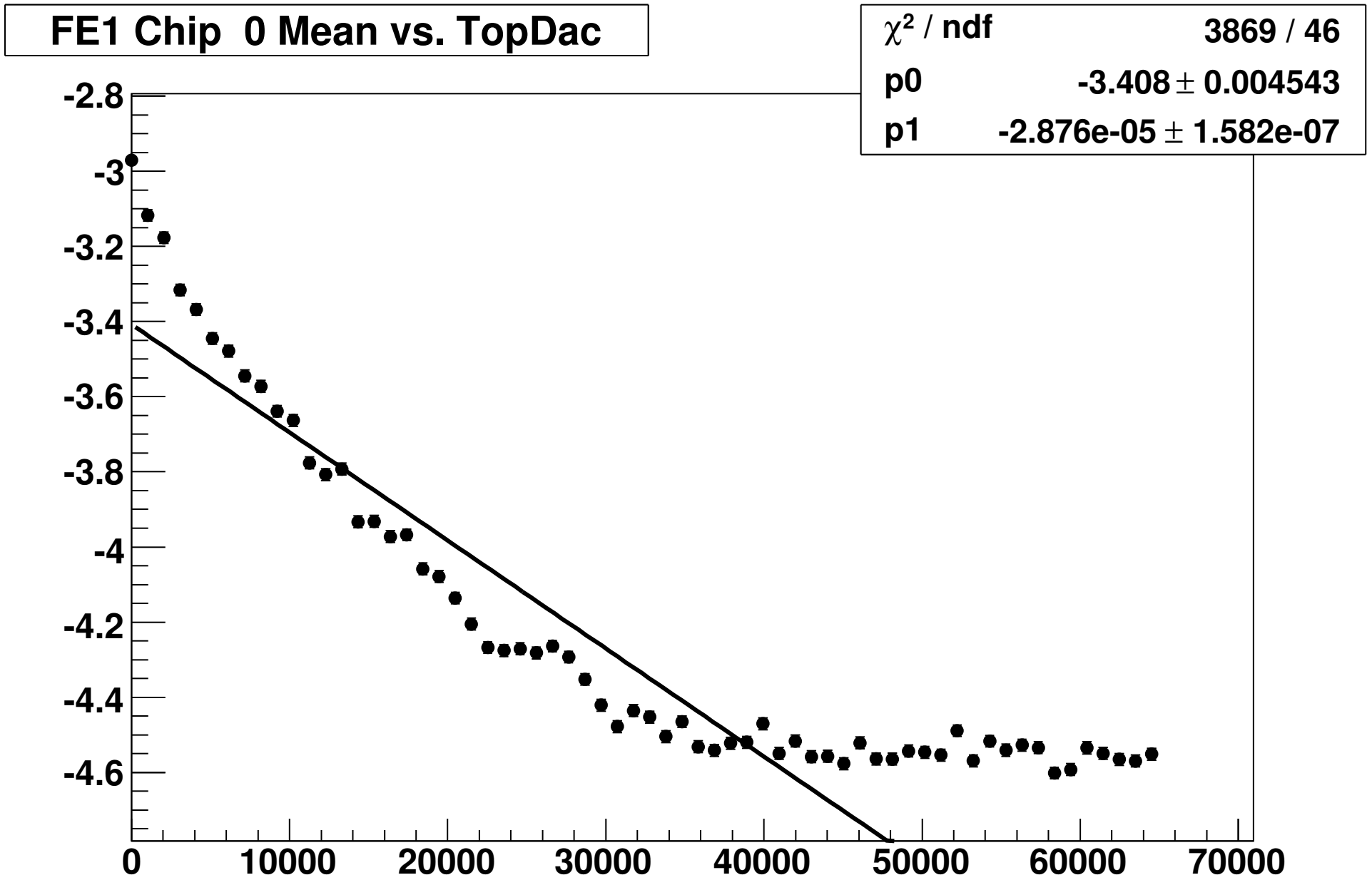
FE1 Chip 0 Mean vs. TopDac
χ² / ndf 3869 / 46
p0 -3.408 ± 0.004543
p1 -2.876e-05 ± 1.582e-07
-2.8
-3
-3.2
-3.4
-3.6
-3.8
-4
-4.2
-4.4
-4.6
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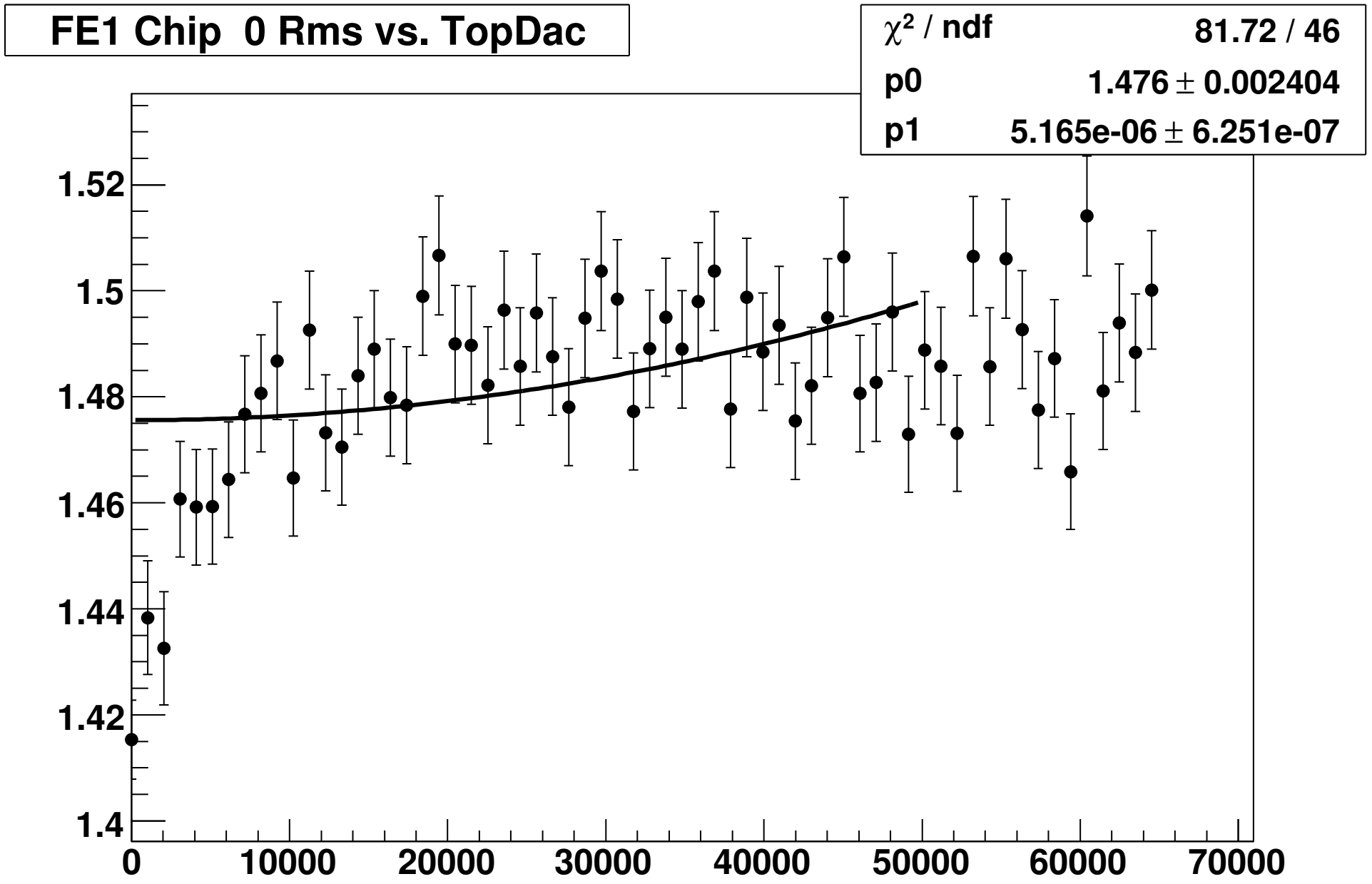
FE1 Chip 0 Rms vs. TopDac
χ² / ndf 81.72 / 46
p0 1.476 ± 0.002404
p1 5.165e-06 ± 6.251e-07
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
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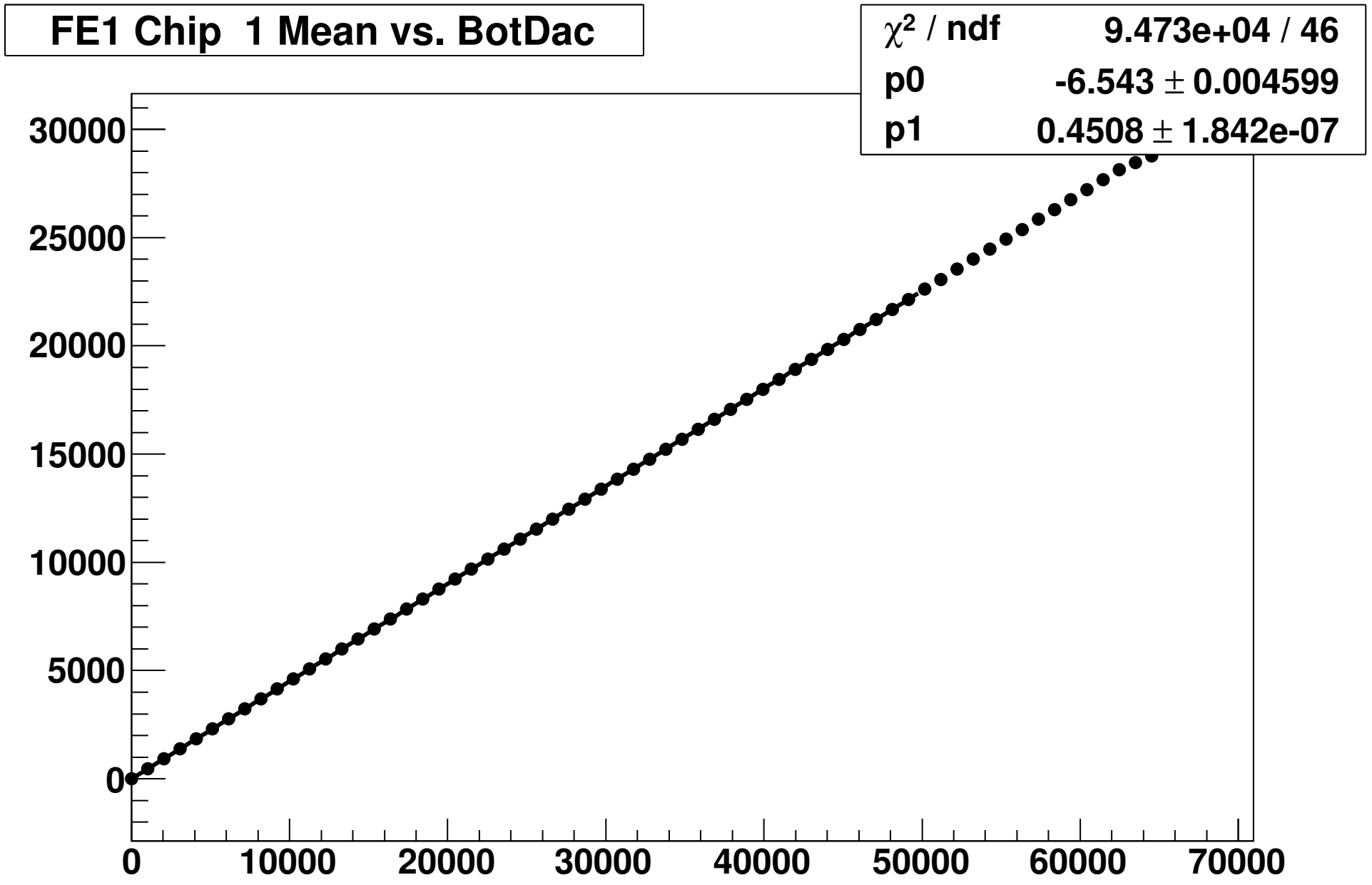
40000
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 9.473e+04 / 46
p0 -6.543 ± 0.004599
p1 0.4508 ± 1.842e-07
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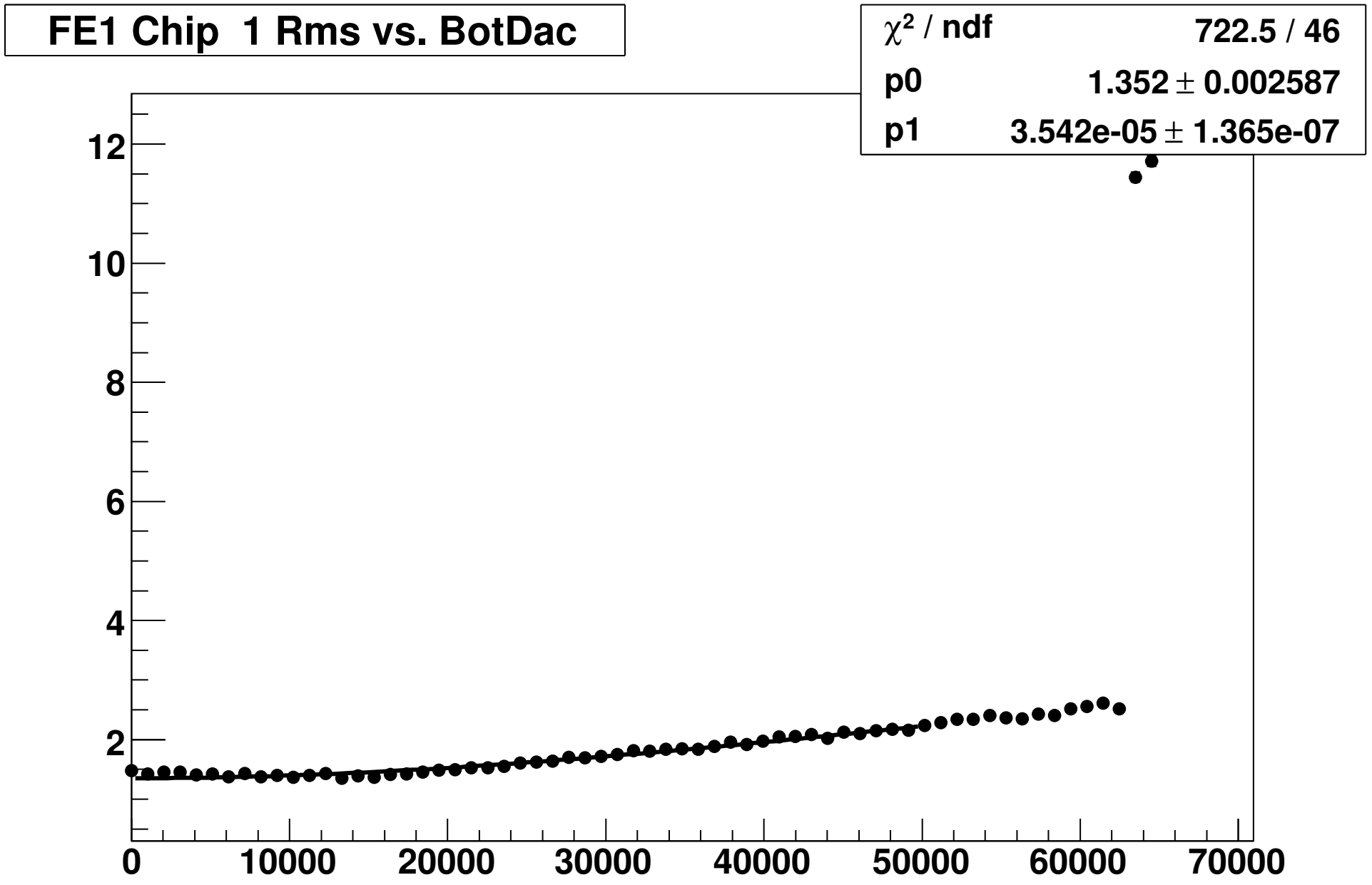
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 722.5 / 46
p0 1.352 ± 0.002587
p1 3.542e-05 ± 1.365e-07
12
10
8
6
4
2
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10000
20000
30000
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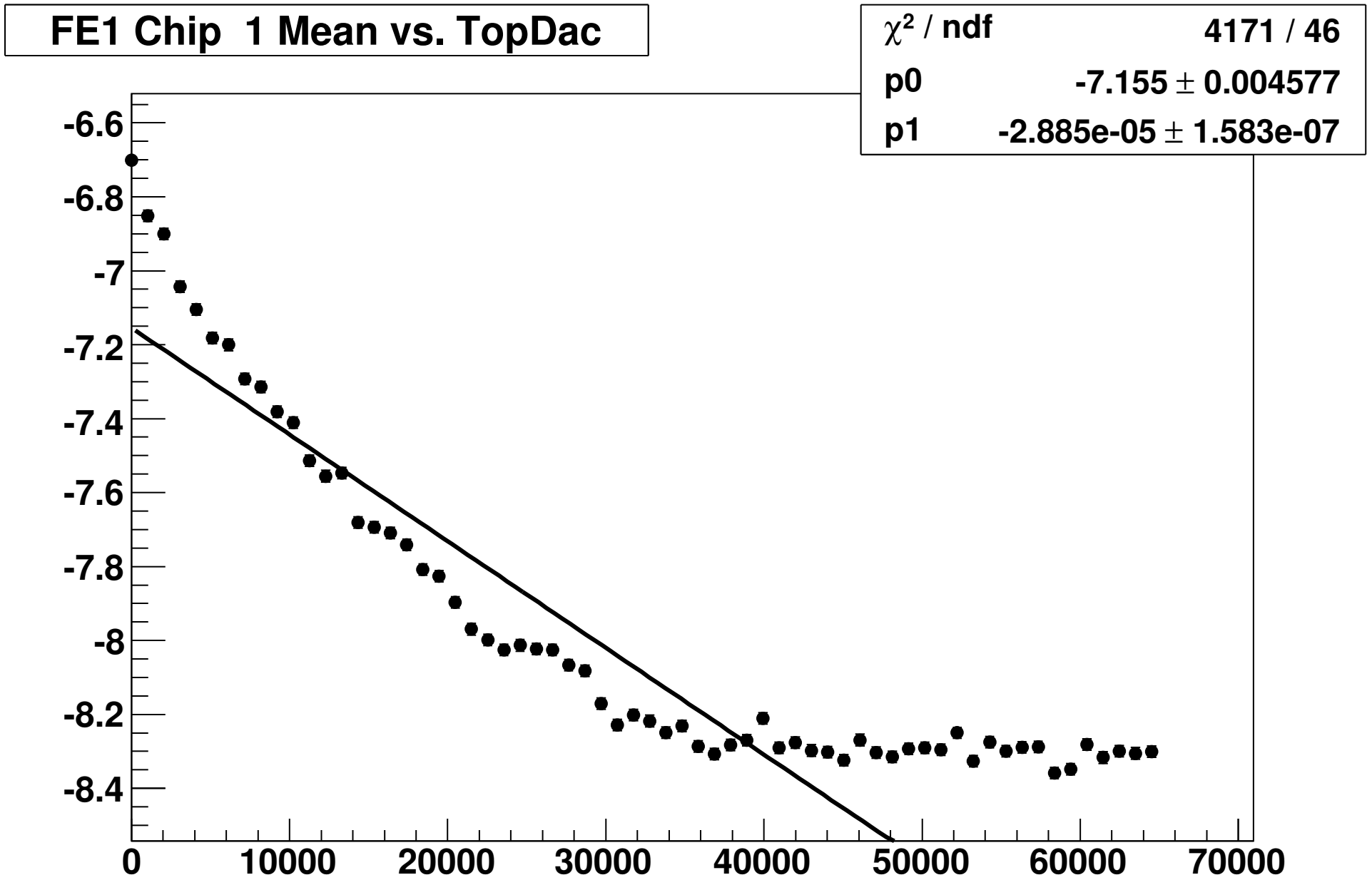
50000
60000
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 4171 / 46
p0 -7.155 ± 0.004577
p1 -2.885e-05 ± 1.583e-07
-6.6
-6.8
-7
-7.2
-7.4
-7.6
-7.8
-8
-8.2
-8.4
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50000
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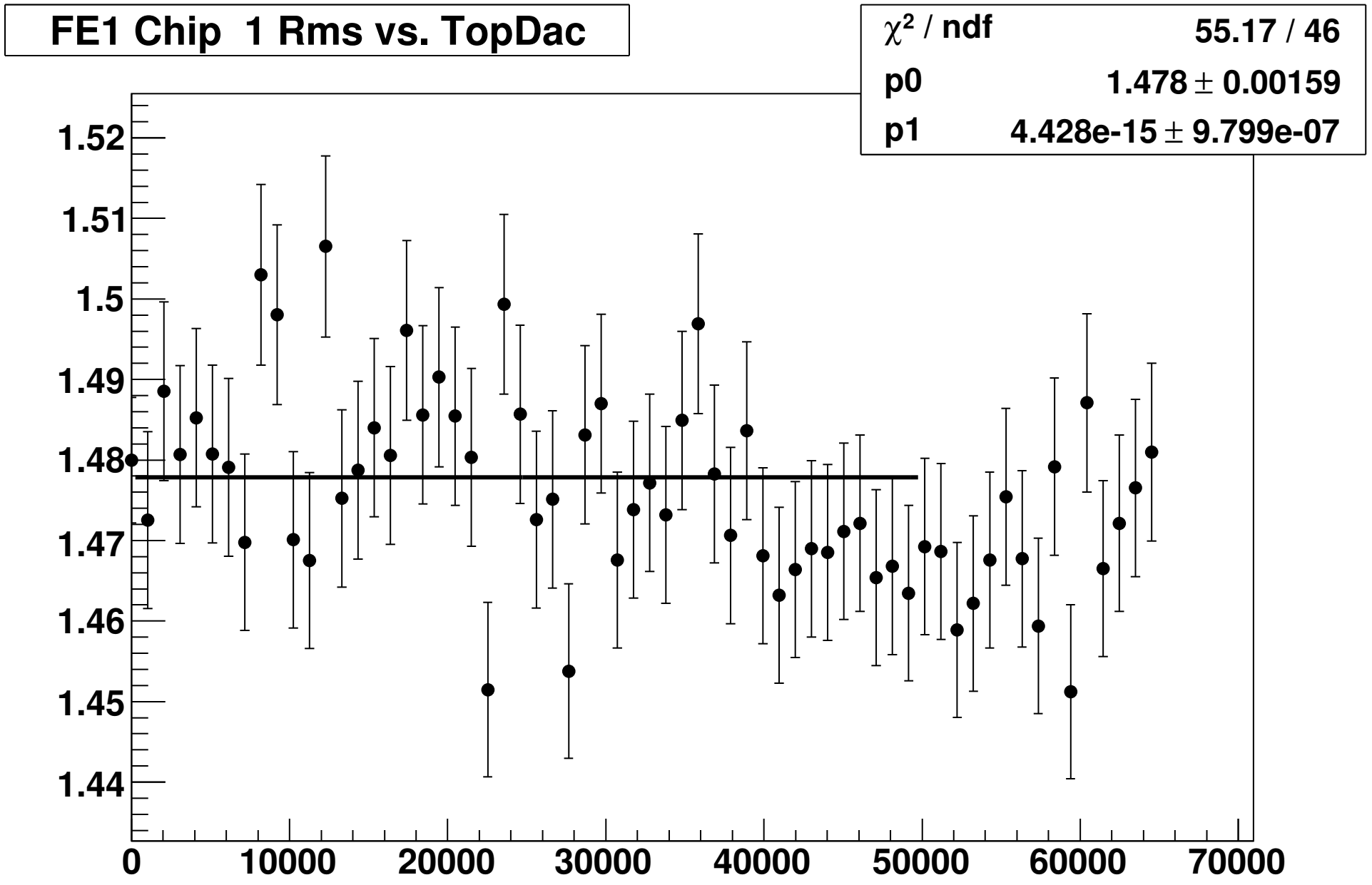
70000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 55.17 / 46
p0 1.478 ± 0.00159
p1 4.428e-15 ± 9.799e-07
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
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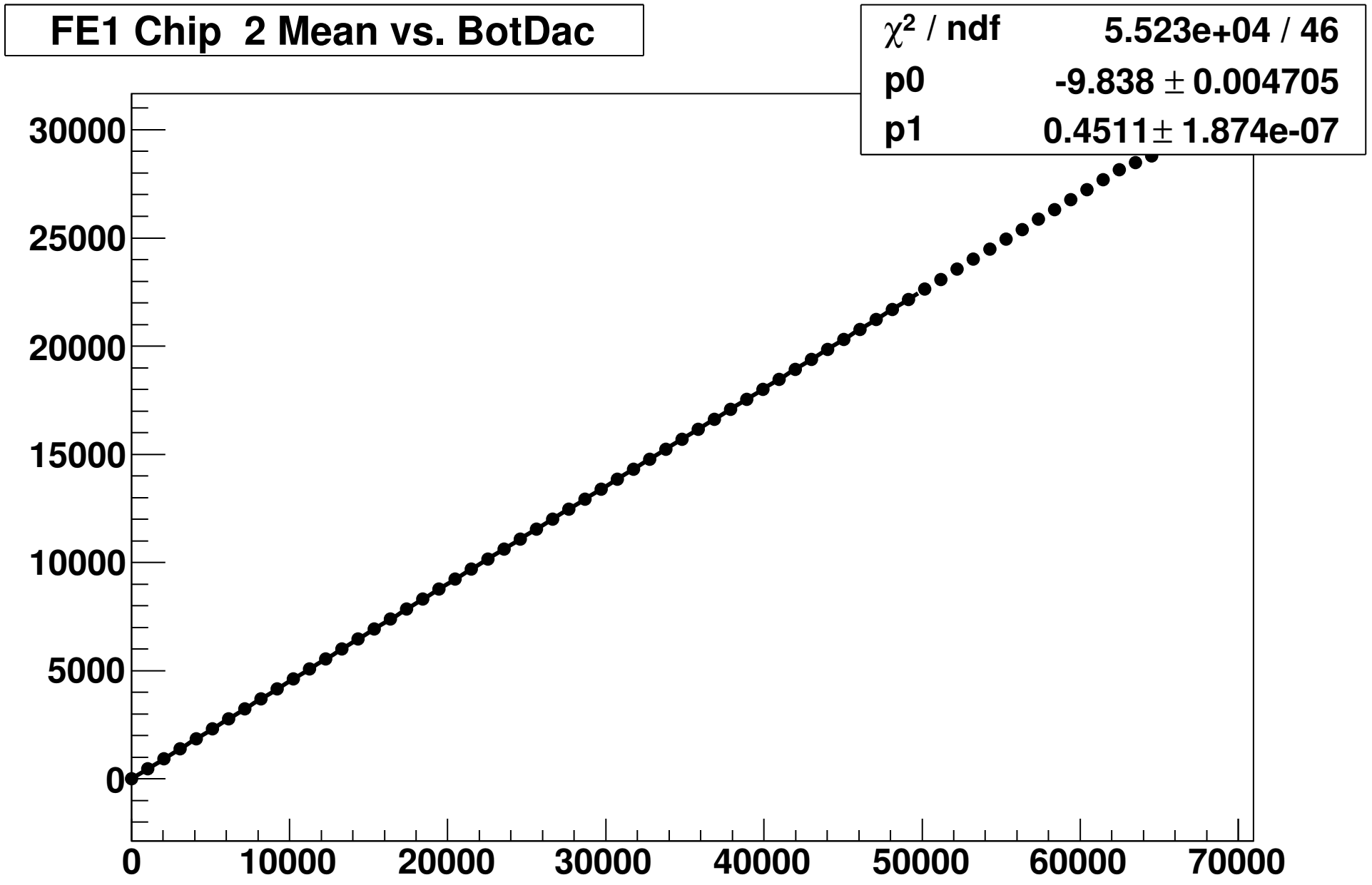
FE1 Chip 2 Mean vs. BotDac
χ² / ndf 5.523e+04 / 46
p0 -9.838 ± 0.004705
p1 0.4511 ± 1.874e-07
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25000
20000
15000
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0
10000
20000
30000
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50000
60000
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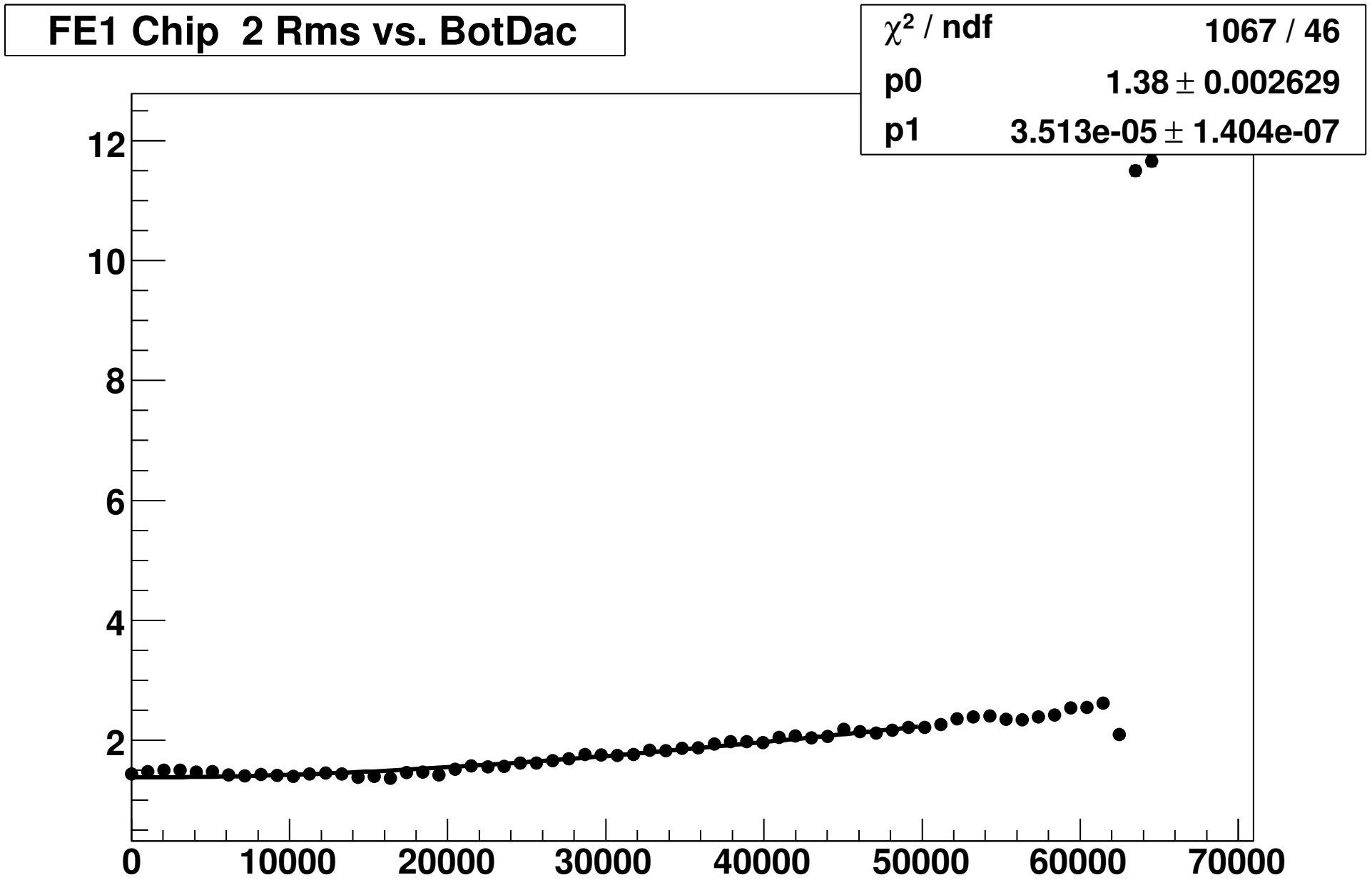
FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1067 / 46
p0 1.38 ± 0.002629
p1 3.513e-05 ± 1.404e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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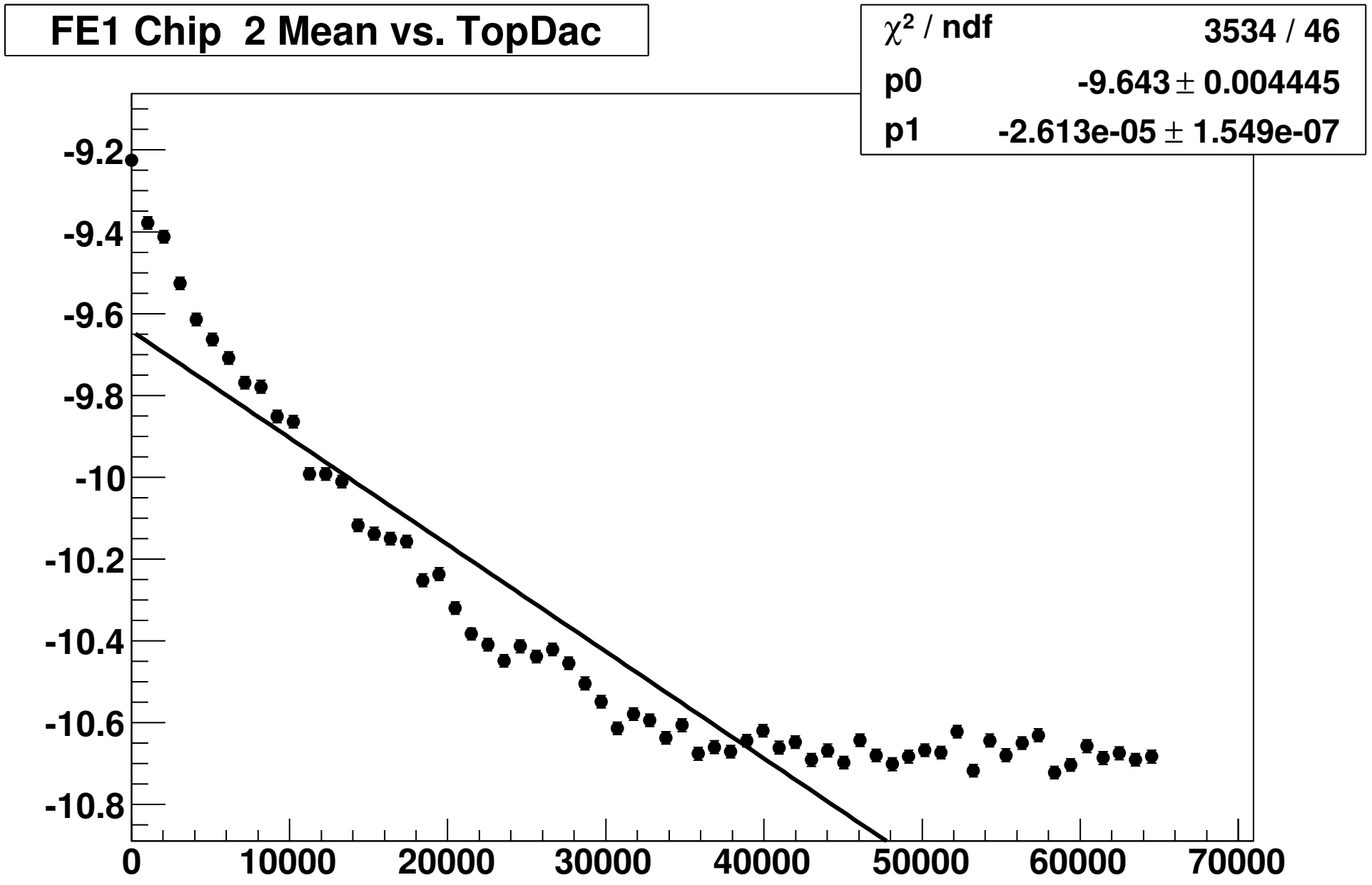
FE1 Chip 2 Mean vs. TopDac
χ² / ndf 3534 / 46
p0 -9.643 ± 0.004445
p1 -2.613e-05 ± 1.549e-07
-9.2
-9.4
-9.6
-9.8
-10
-10.2
-10.4
-10.6
-10.8
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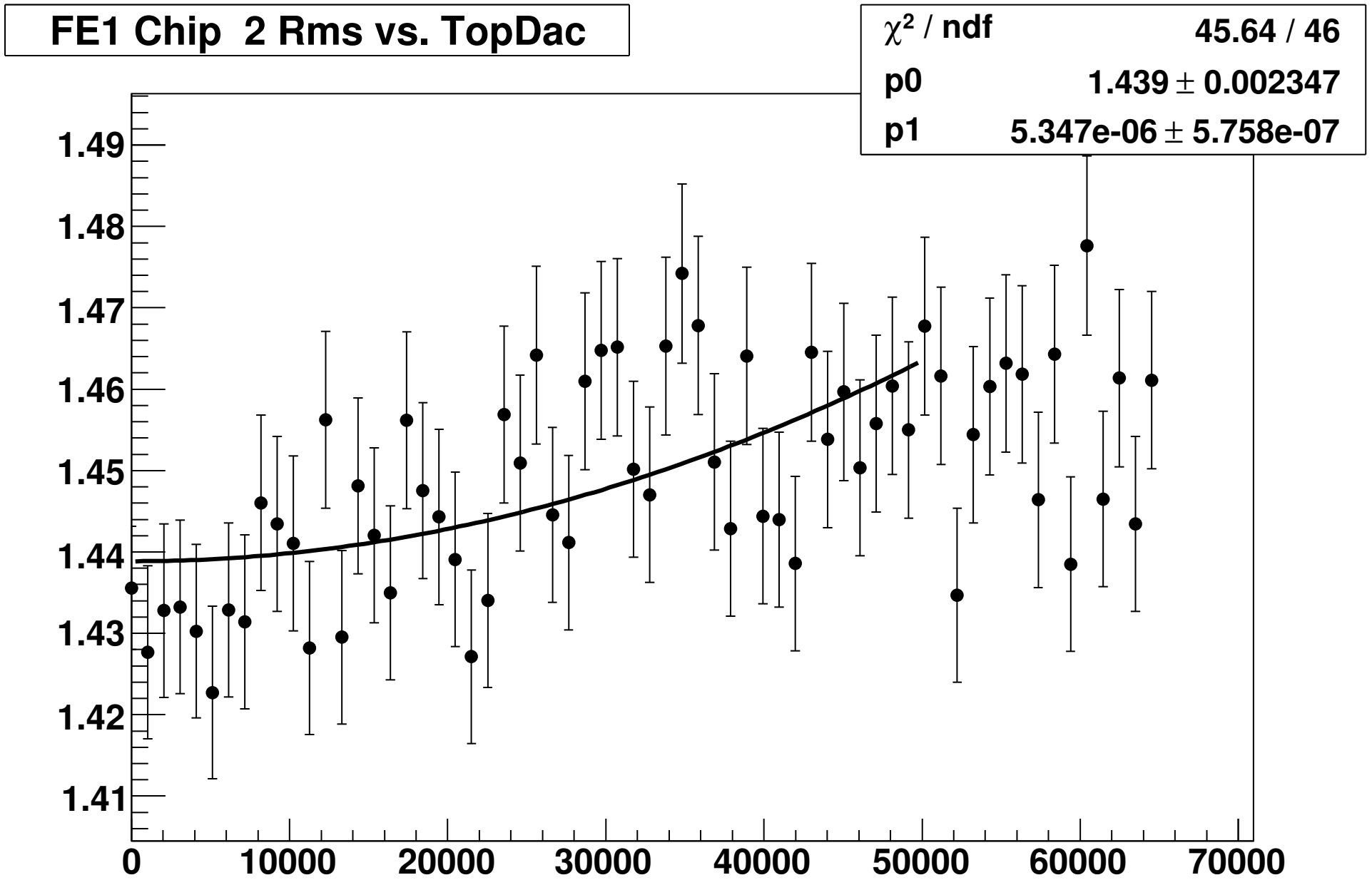
FE1 Chip 2 Rms vs. TopDac
χ² / ndf 45.64 / 46
p0 1.439 ± 0.002347
p1 5.347e-06 ± 5.758e-07
1.49
1.48
1.47
1.46
1.45
1.44
1.43
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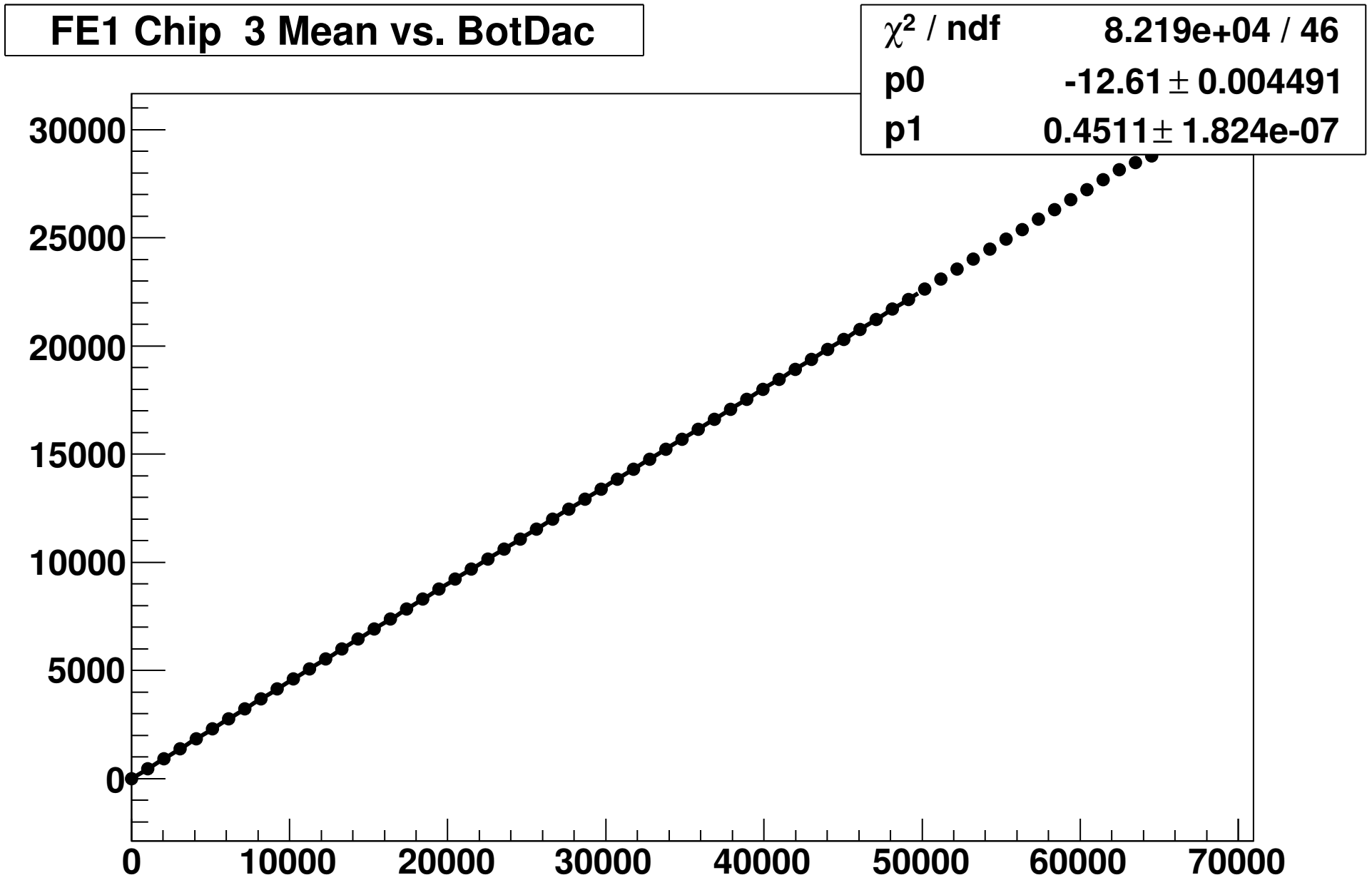
FE1 Chip 3 Mean vs. BotDac
χ² / ndf 8.219e+04 / 46
p0 -12.61 ± 0.004491
p1 0.4511 ± 1.824e-07
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25000
20000
15000
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5000
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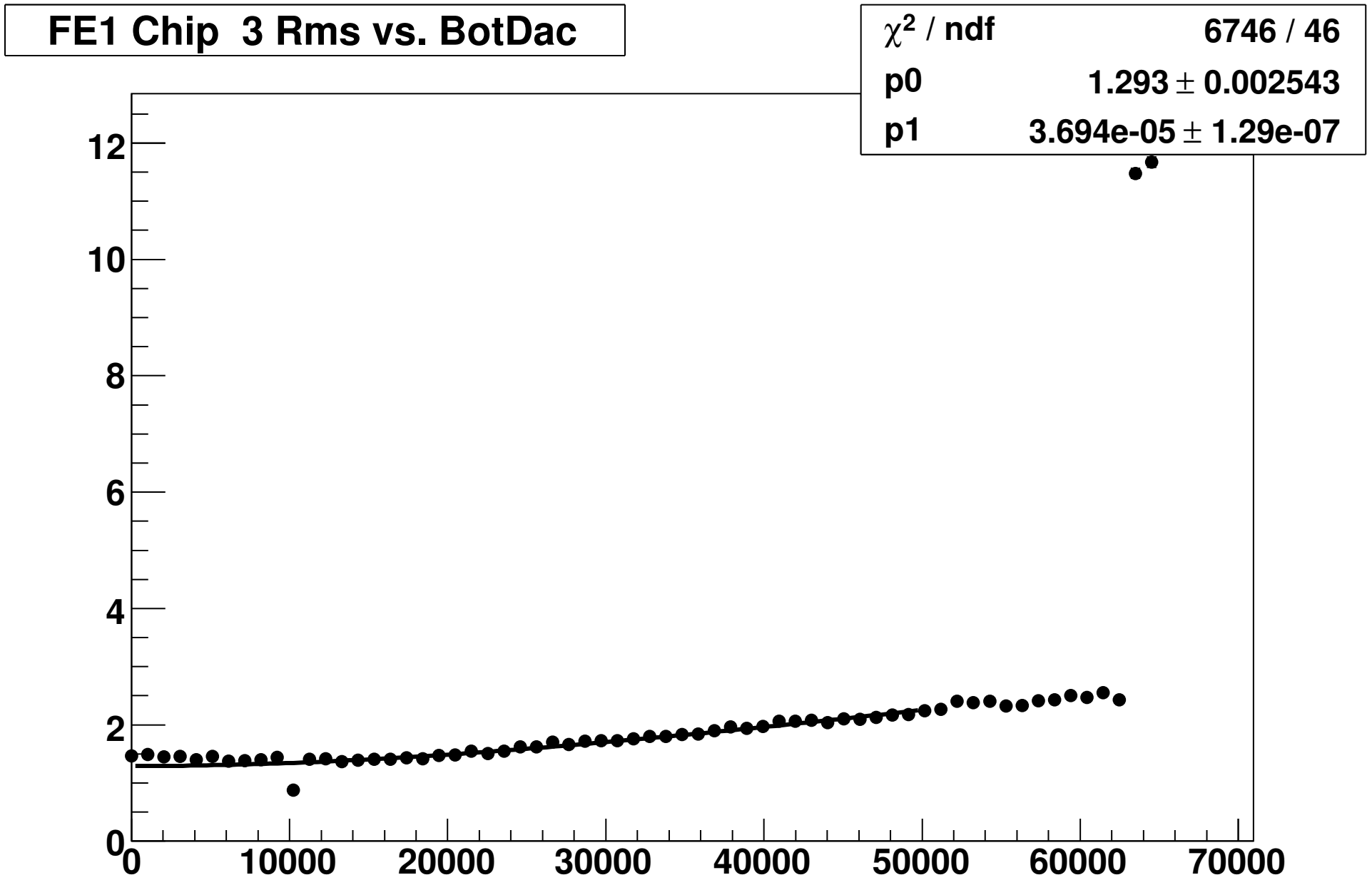
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. BotDac
χ² / ndf 6746 / 46
p0 1.293 ± 0.002543
p1 3.694e-05 ± 1.29e-07
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4
6
8
10
12
0
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20000
30000
40000
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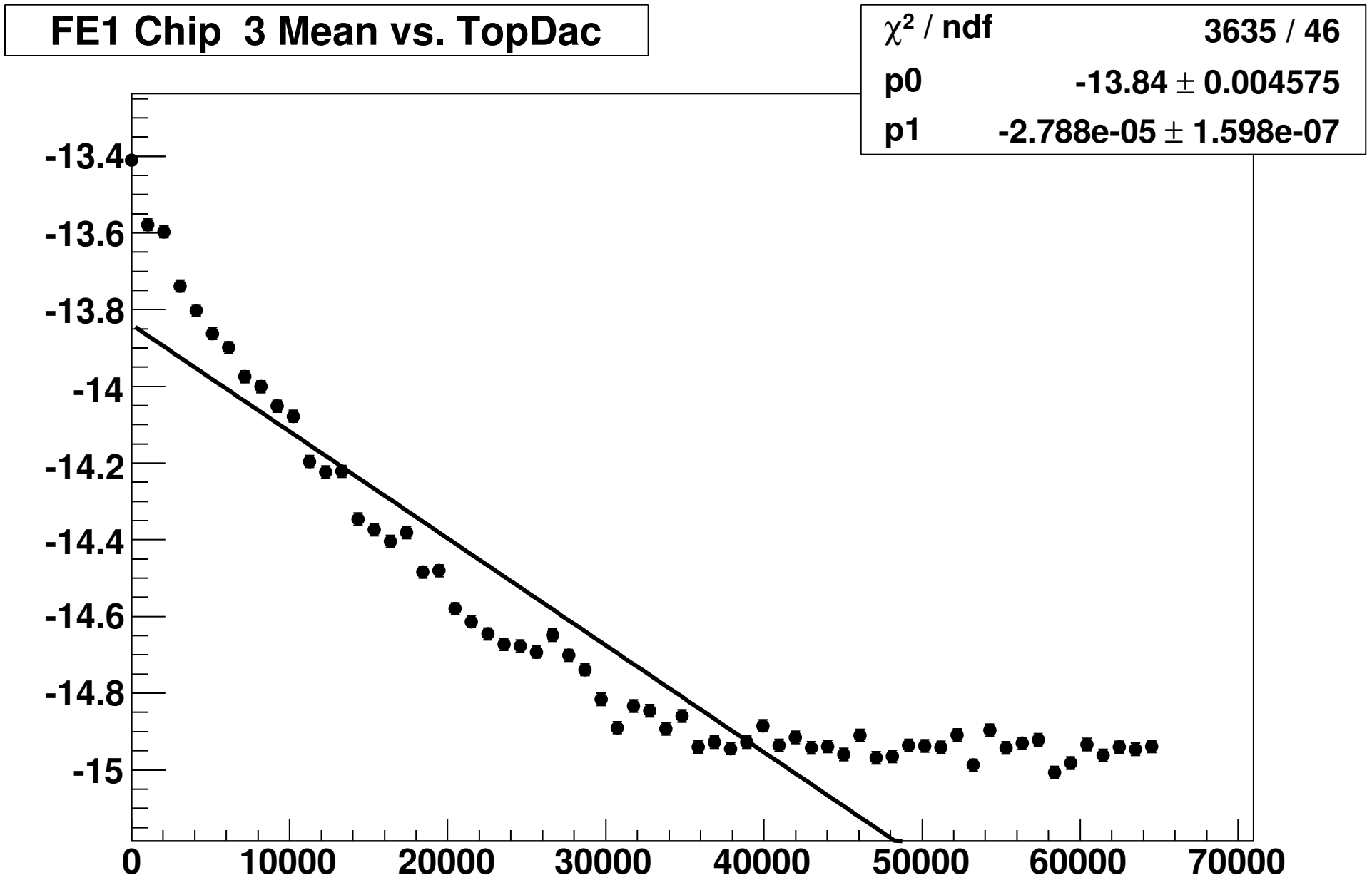
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 3635 / 46
p0 -13.84 ± 0.004575
p1 -2.788e-05 ± 1.598e-07
-13.4
-13.6
-13.8
-14
-14.2
-14.4
-14.6
-14.8
-15
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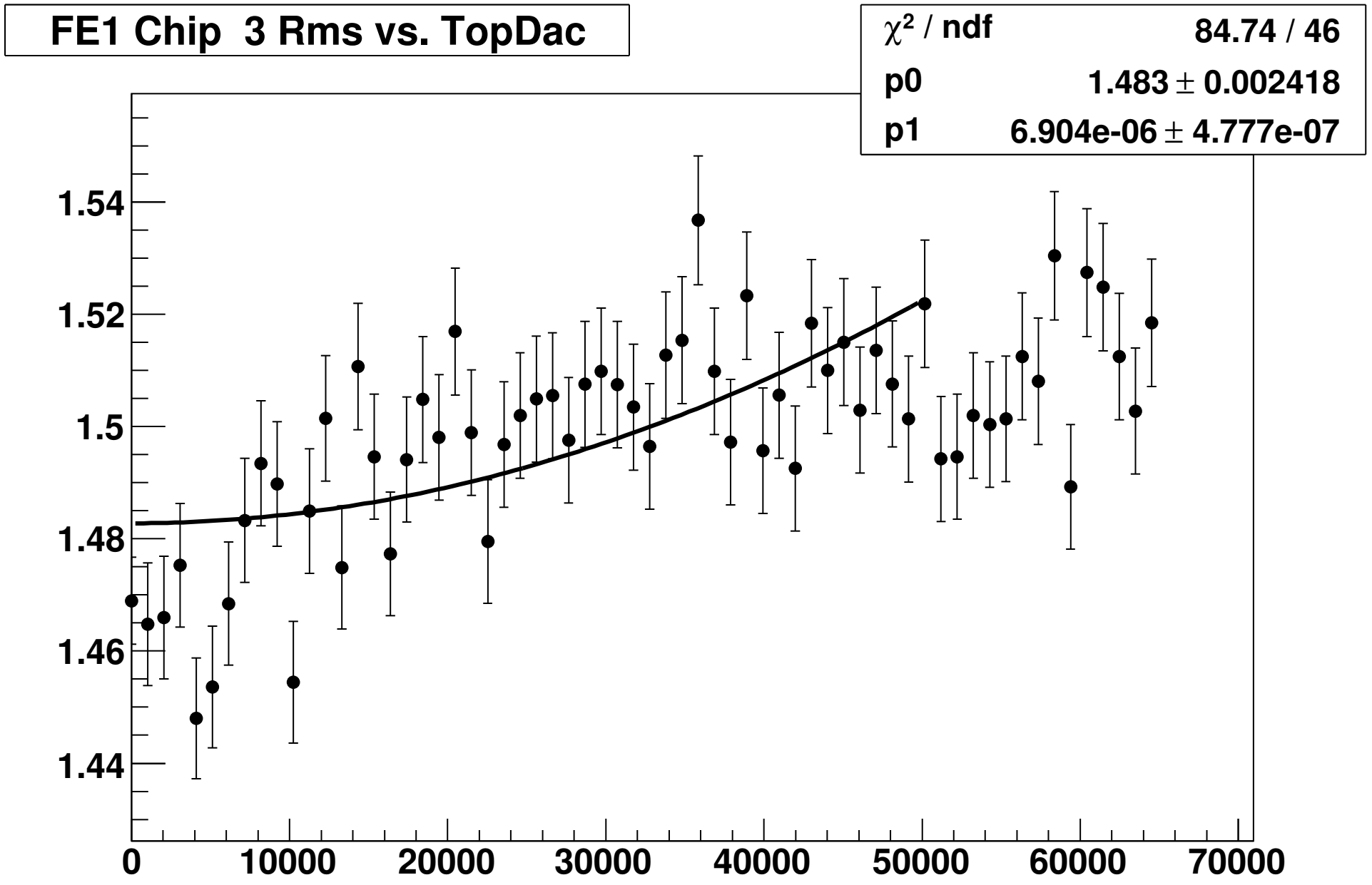
FE1 Chip 3 Rms vs. TopDac
χ² / ndf 84.74 / 46
p0 1.483 ± 0.002418
p1 6.904e-06 ± 4.777e-07
1.54
1.52
1.5
1.48
1.46
1.44
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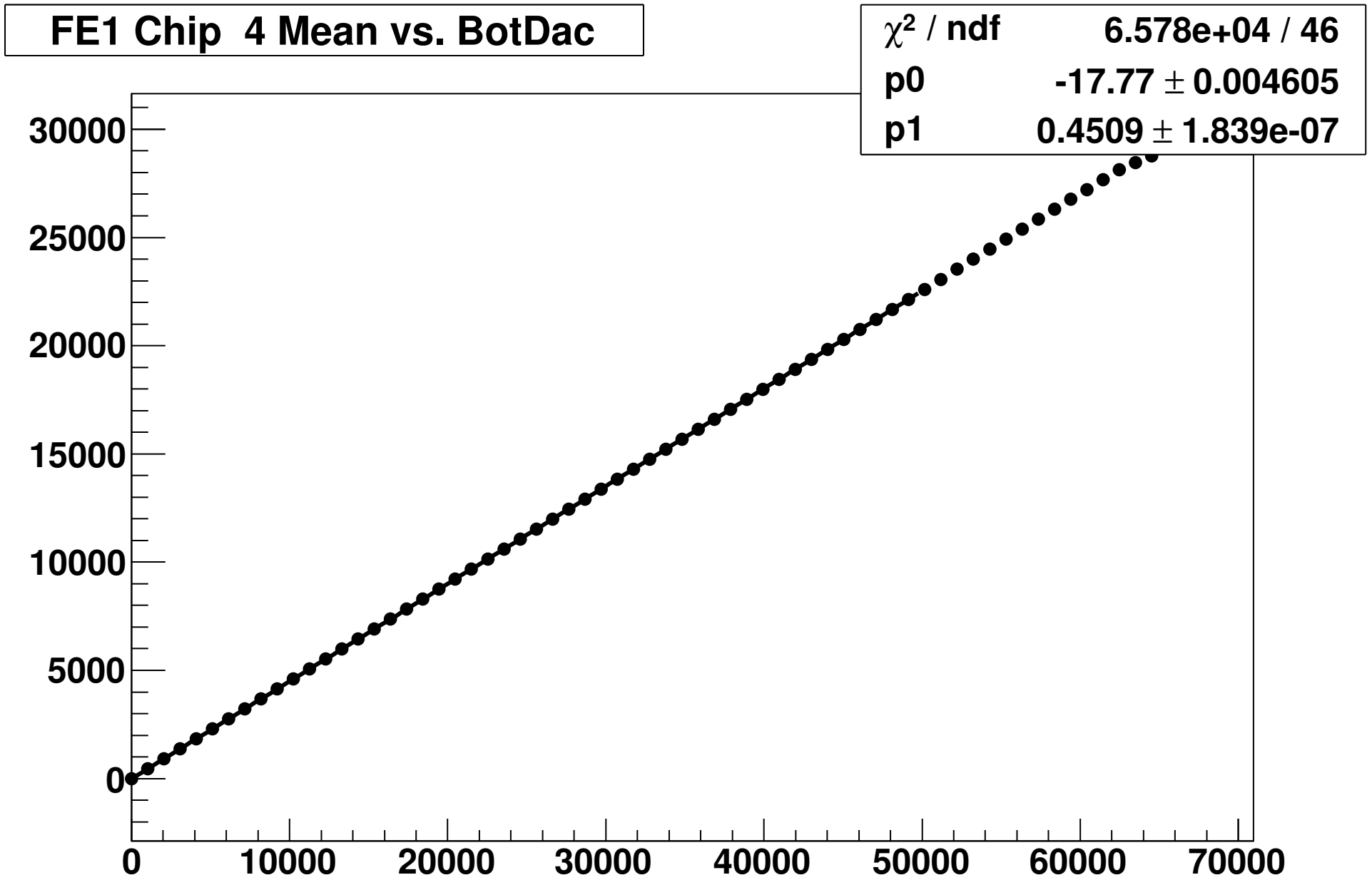
FE1 Chip 4 Mean vs. BotDac
χ² / ndf 6.578e+04 / 46
p0 -17.77 ± 0.004605
p1 0.4509 ± 1.839e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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50000
60000
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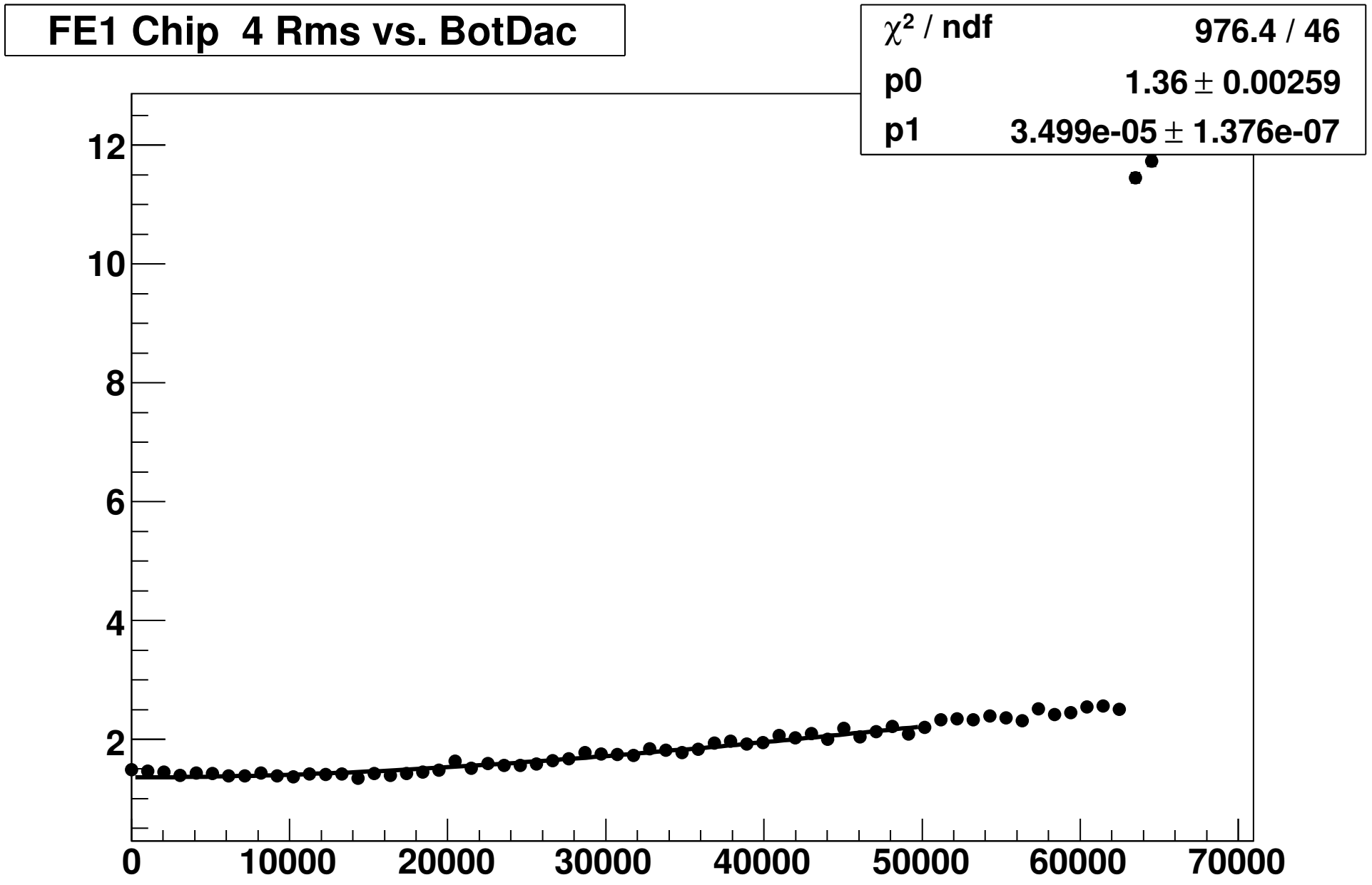
FE1 Chip 4 Rms vs. BotDac
χ² / ndf 976.4 / 46
p0 1.36 ± 0.00259
p1 3.499e-05 ± 1.376e-07
12
10
8
6
4
2
0
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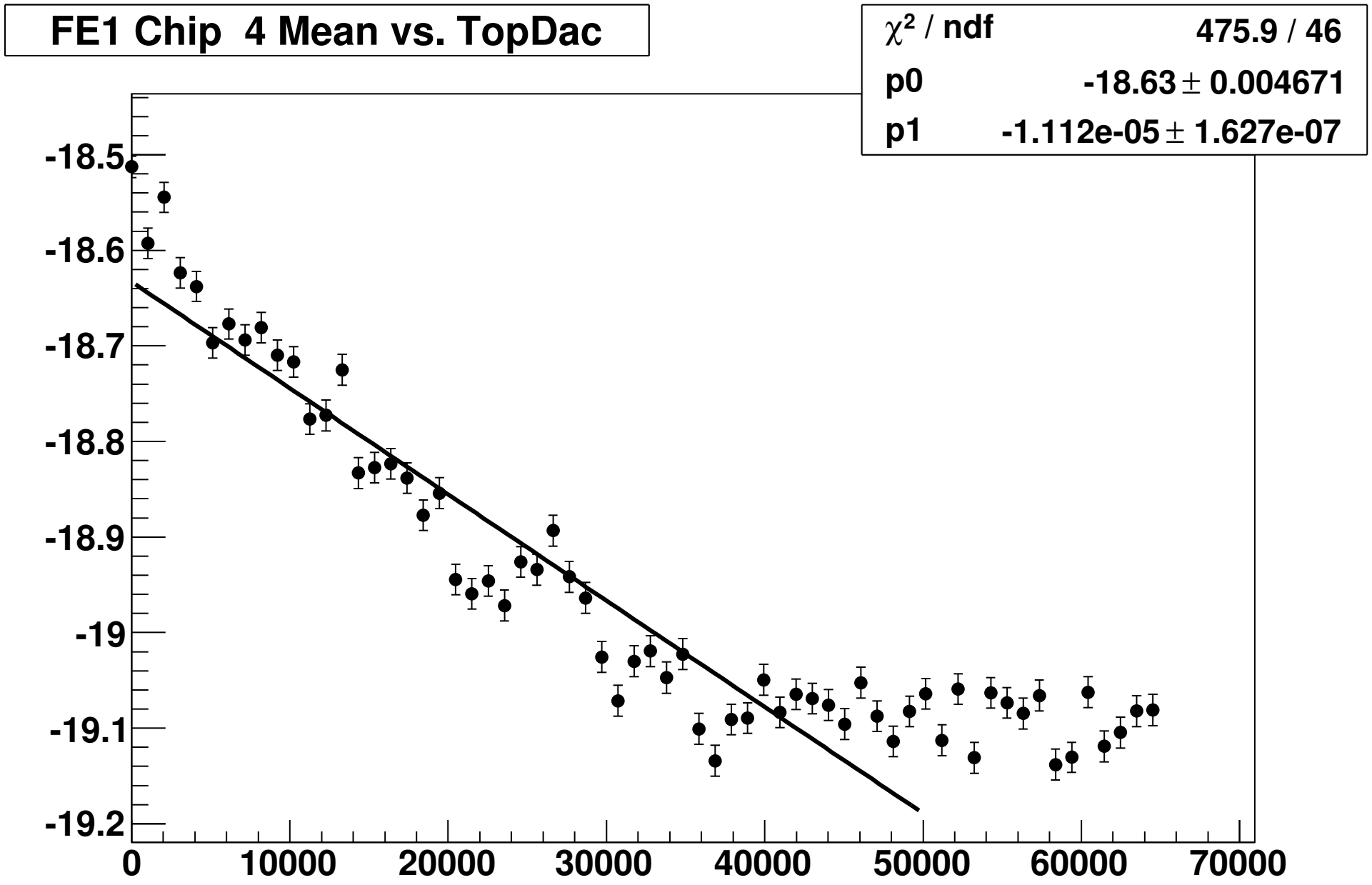
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 475.9 / 46
p0 -18.63 ± 0.004671
p1 -1.112e-05 ± 1.627e-07
-18.5
-18.6
-18.7
-18.8
-18.9
-19
-19.1
-19.2
0
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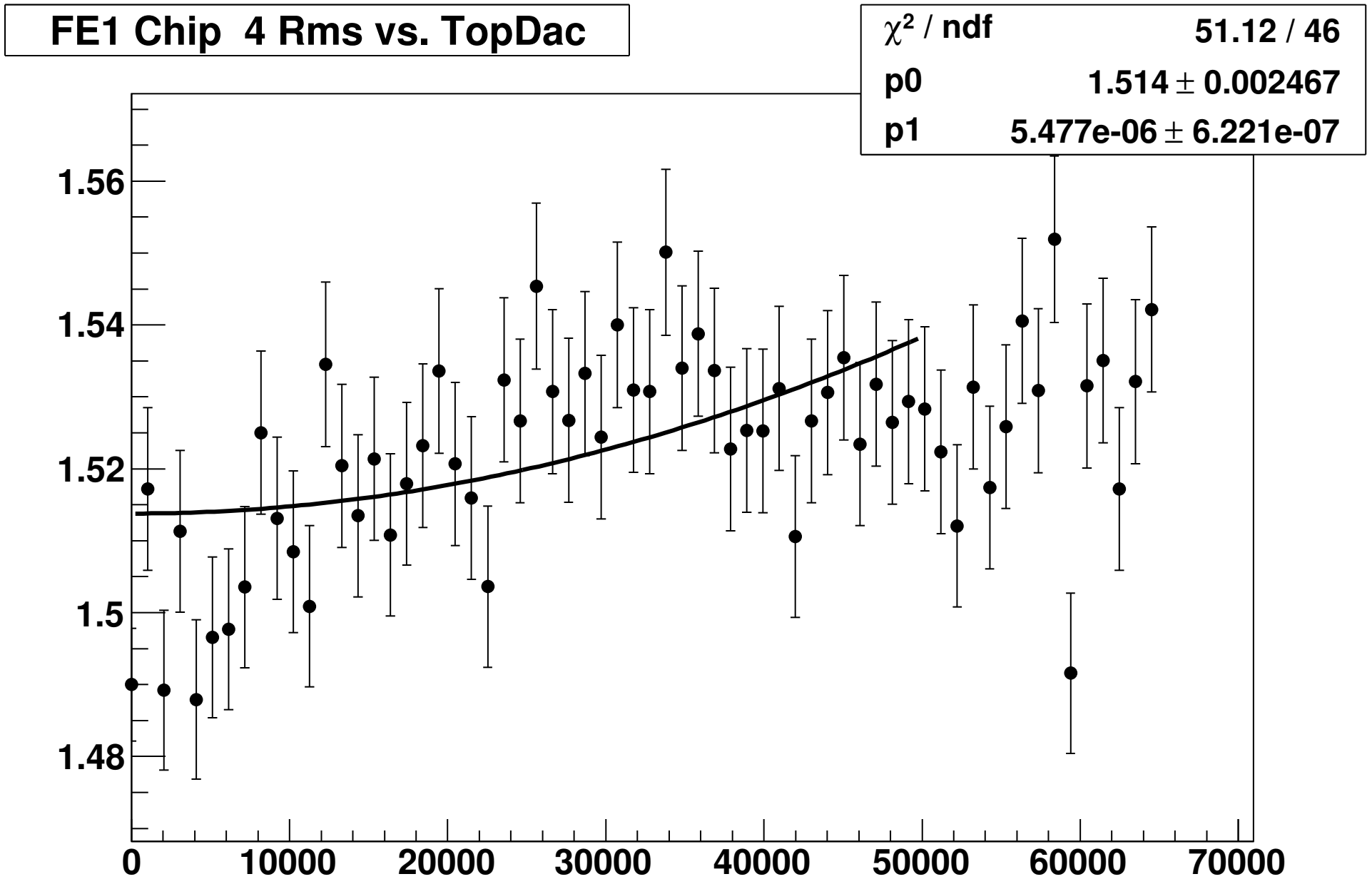
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 51.12 / 46
p0 1.514 ± 0.002467
p1 5.477e-06 ± 6.221e-07
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1.54
1.52
1.5
1.48
0
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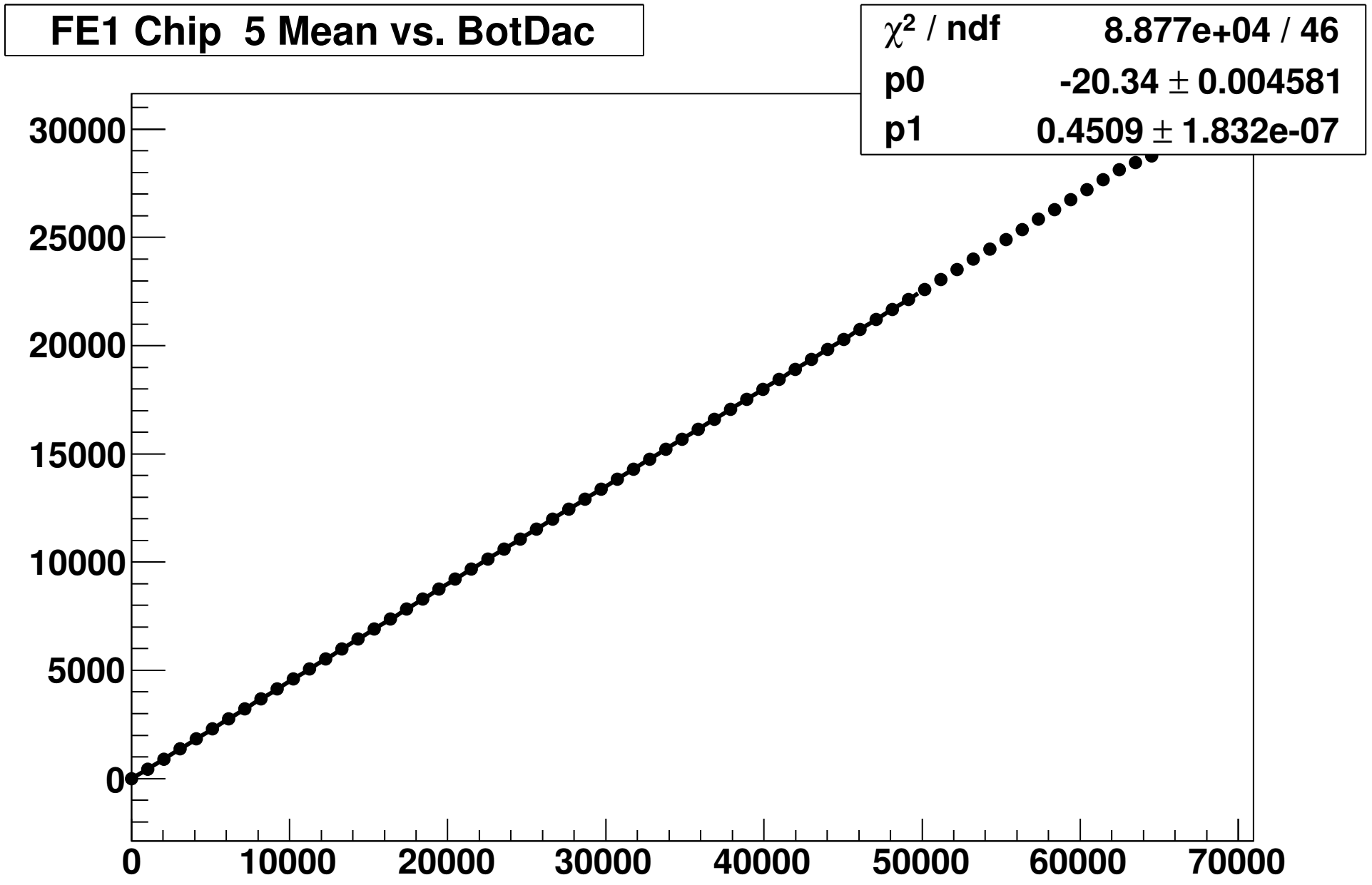
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 8.877e+04 / 46
p0 -20.34 ± 0.004581
p1 0.4509 ± 1.832e-07
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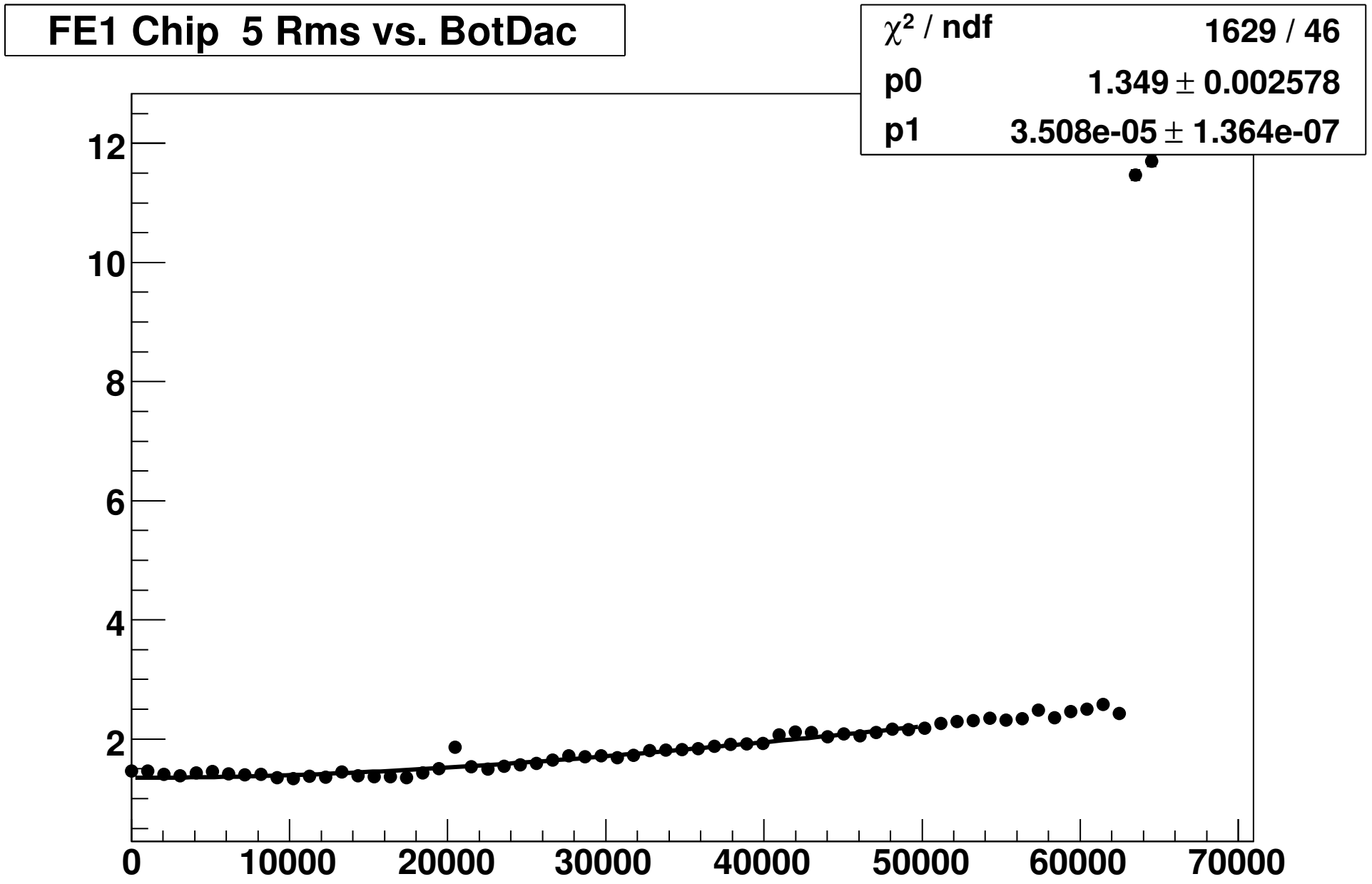
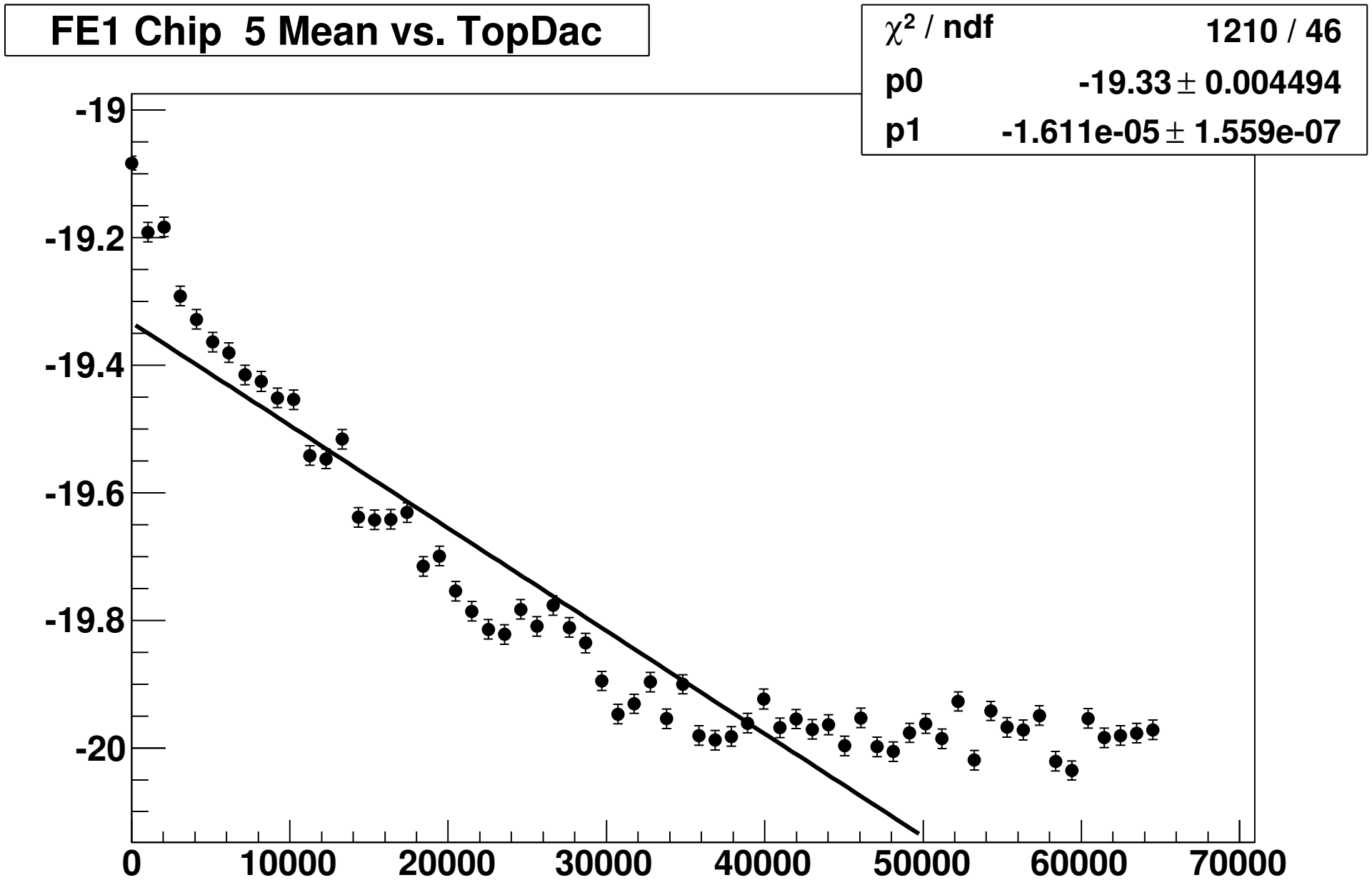
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 1629 / 46
p0 1.349 ± 0.002578
p1 3.508e-05 ± 1.364e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 1210 / 46
p0 -19.33 ± 0.004494
p1 -1.611e-05 ± 1.559e-07
-19
-19.2
-19.4
-19.6
-19.8
-20
0
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30000
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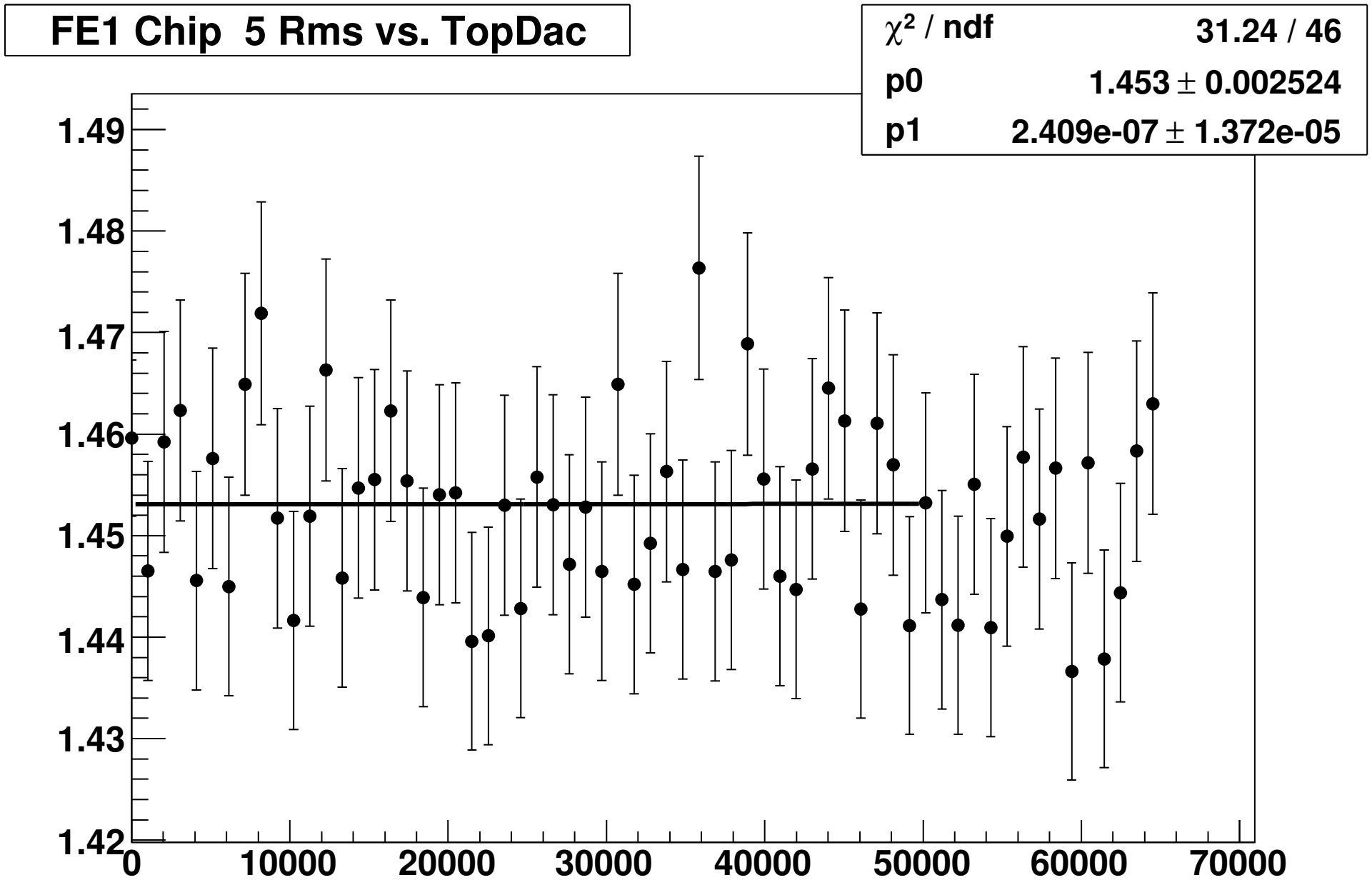
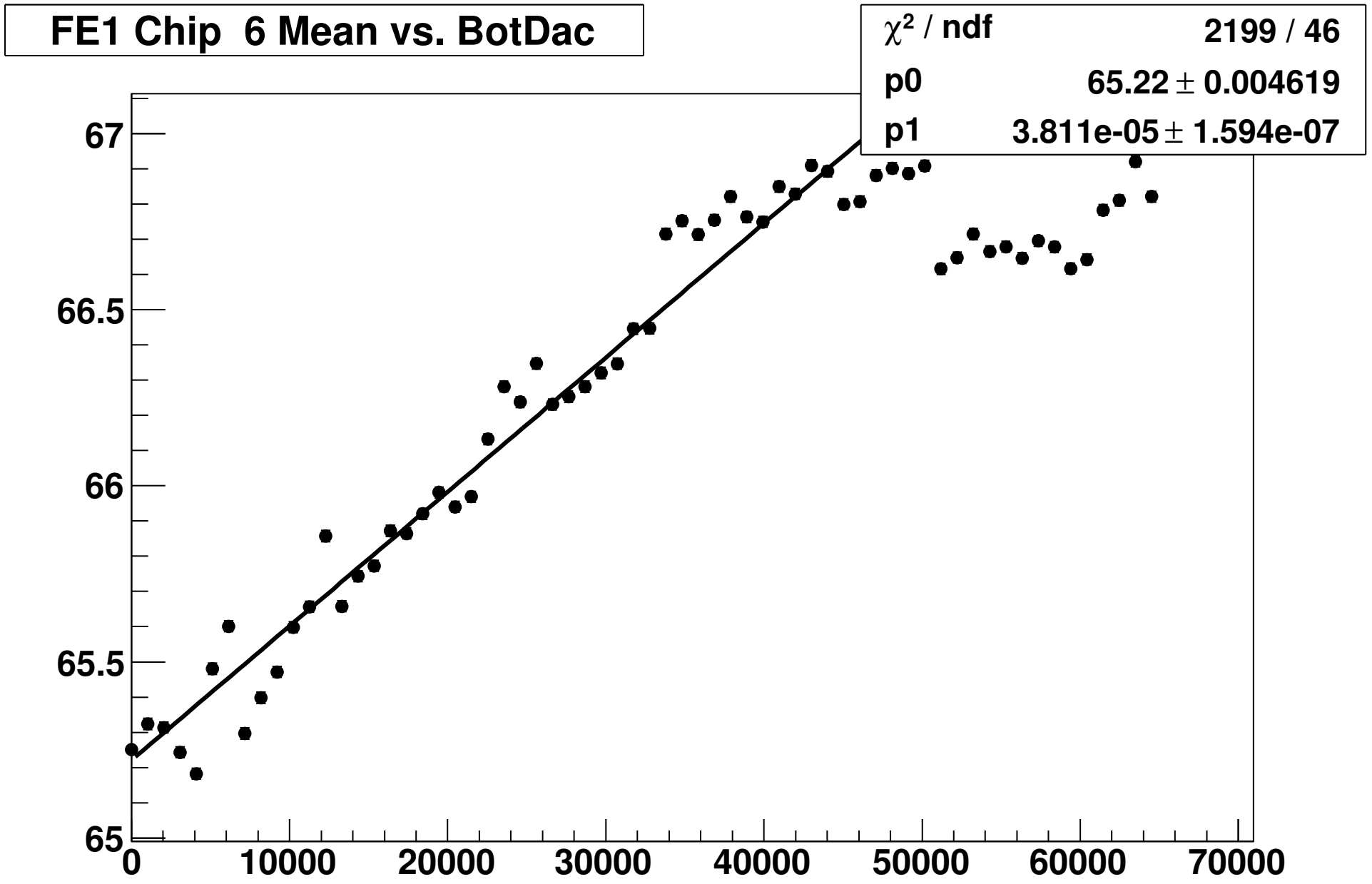
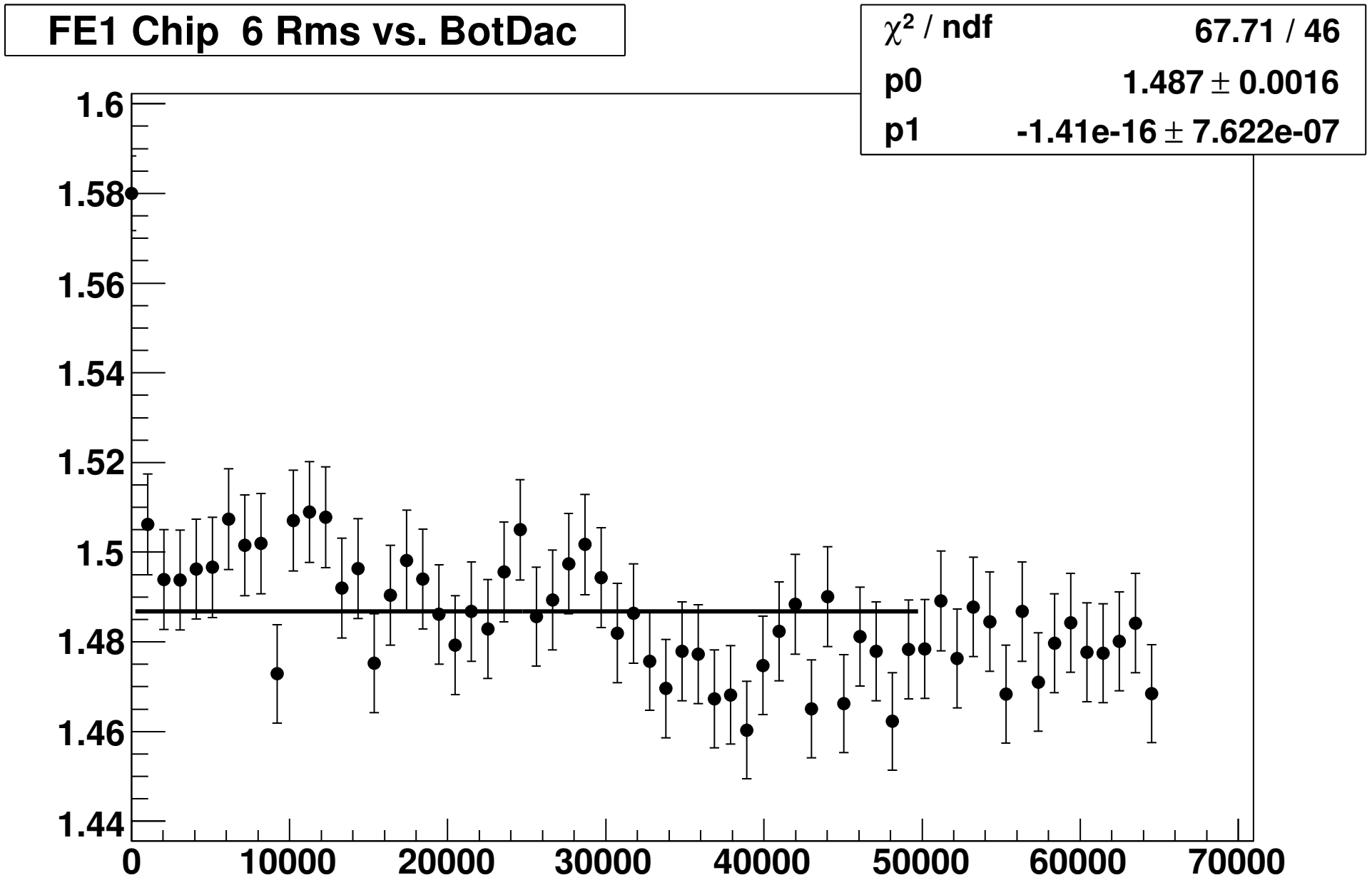
50000
60000
70000


FE1 Chip 5 Rms vs. TopDac
χ² / ndf 31.24 / 46
p0 1.453 ± 0.002524
p1 2.409e-07 ± 1.372e-05
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 2199 / 46
p0 65.22 ± 0.004619
p1 3.811e-05 ± 1.594e-07
67
66.5
66
65.5
65
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 67.71 / 46
p0 1.487 ± 0.0016
p1 -1.41e-16 ± 7.622e-07
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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50000
60000
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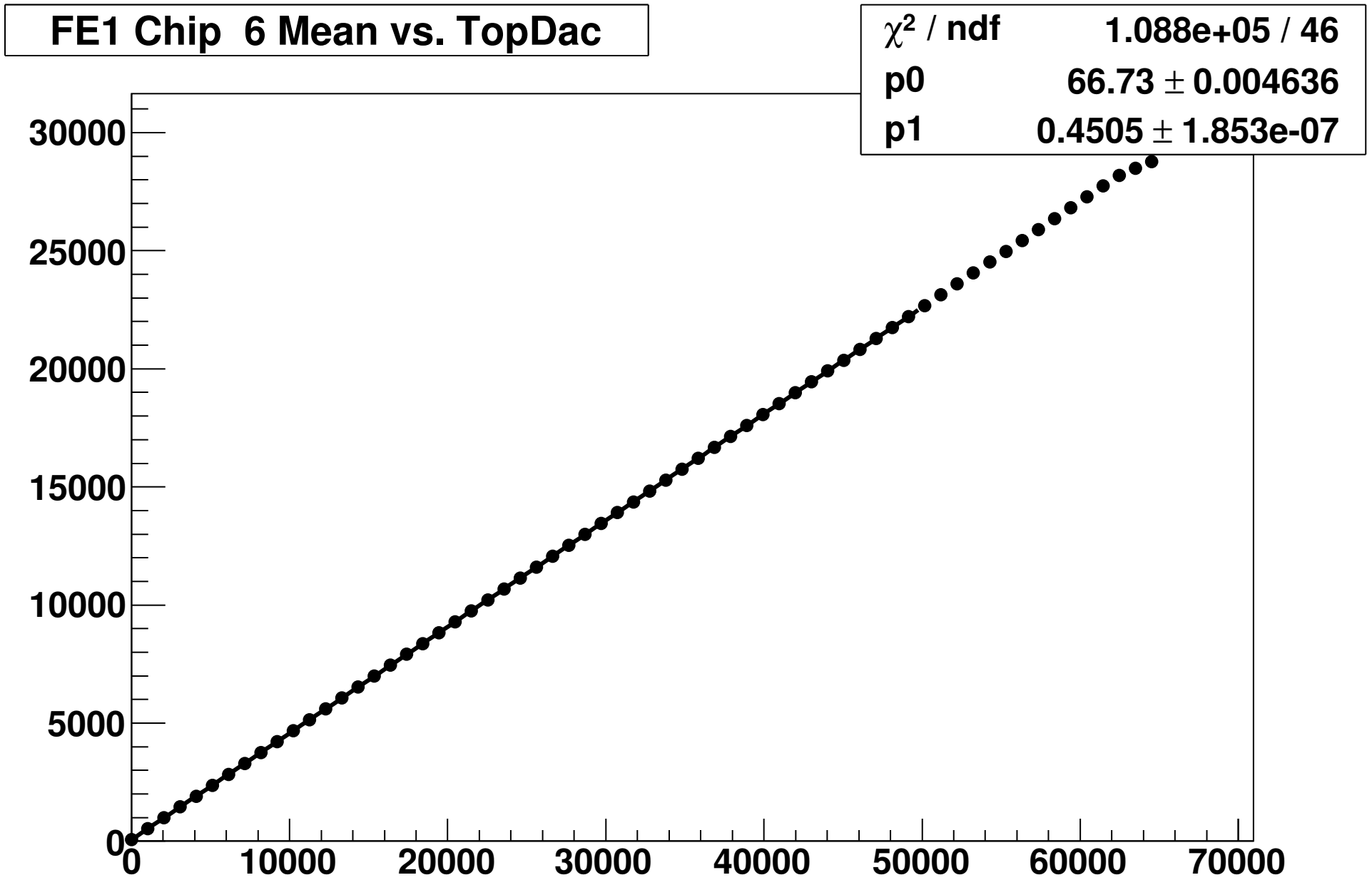
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.088e+05 / 46
p0 66.73 ± 0.004636
p1 0.4505 ± 1.853e-07
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15000
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0
0
10000
20000
30000
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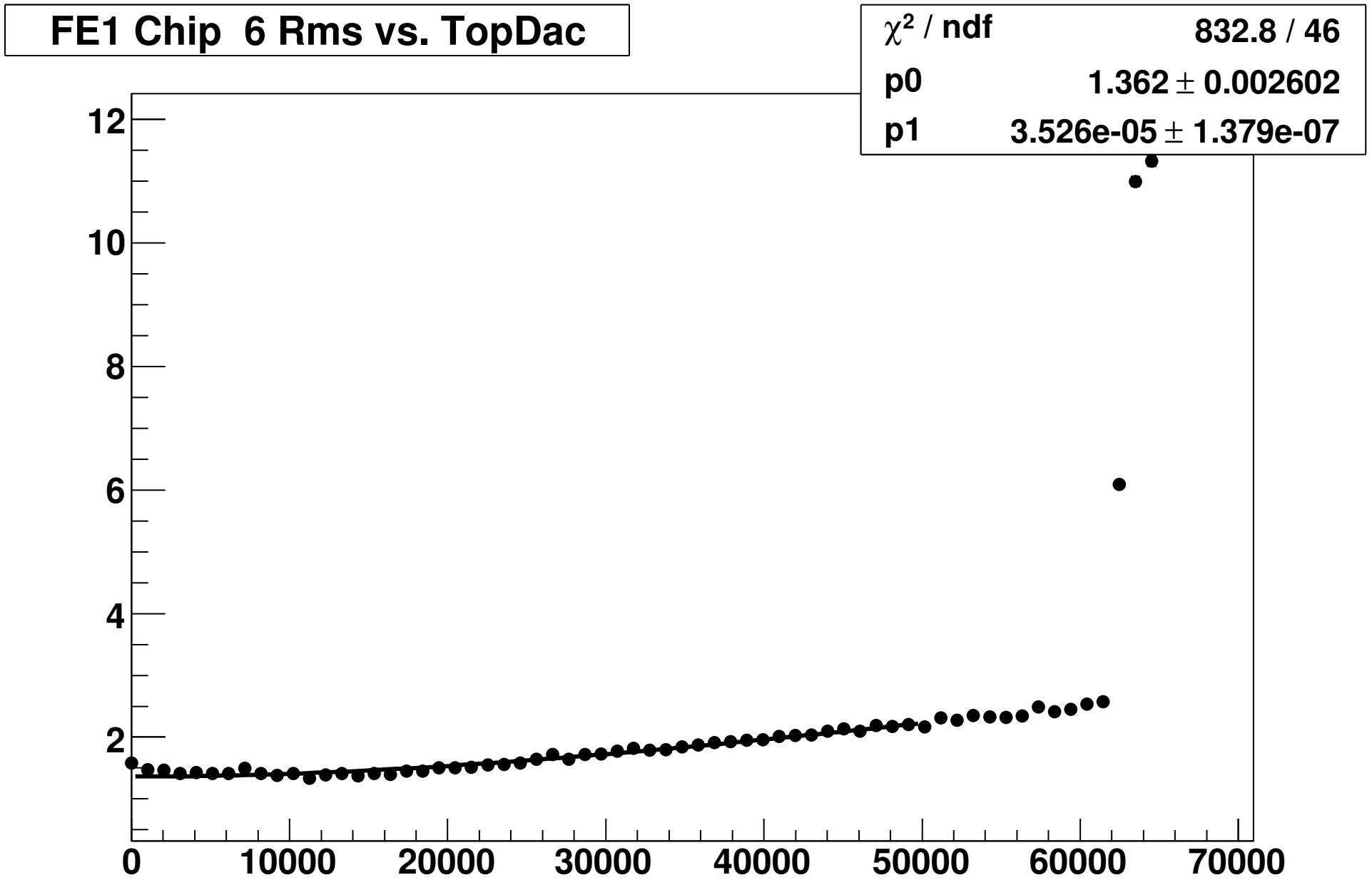
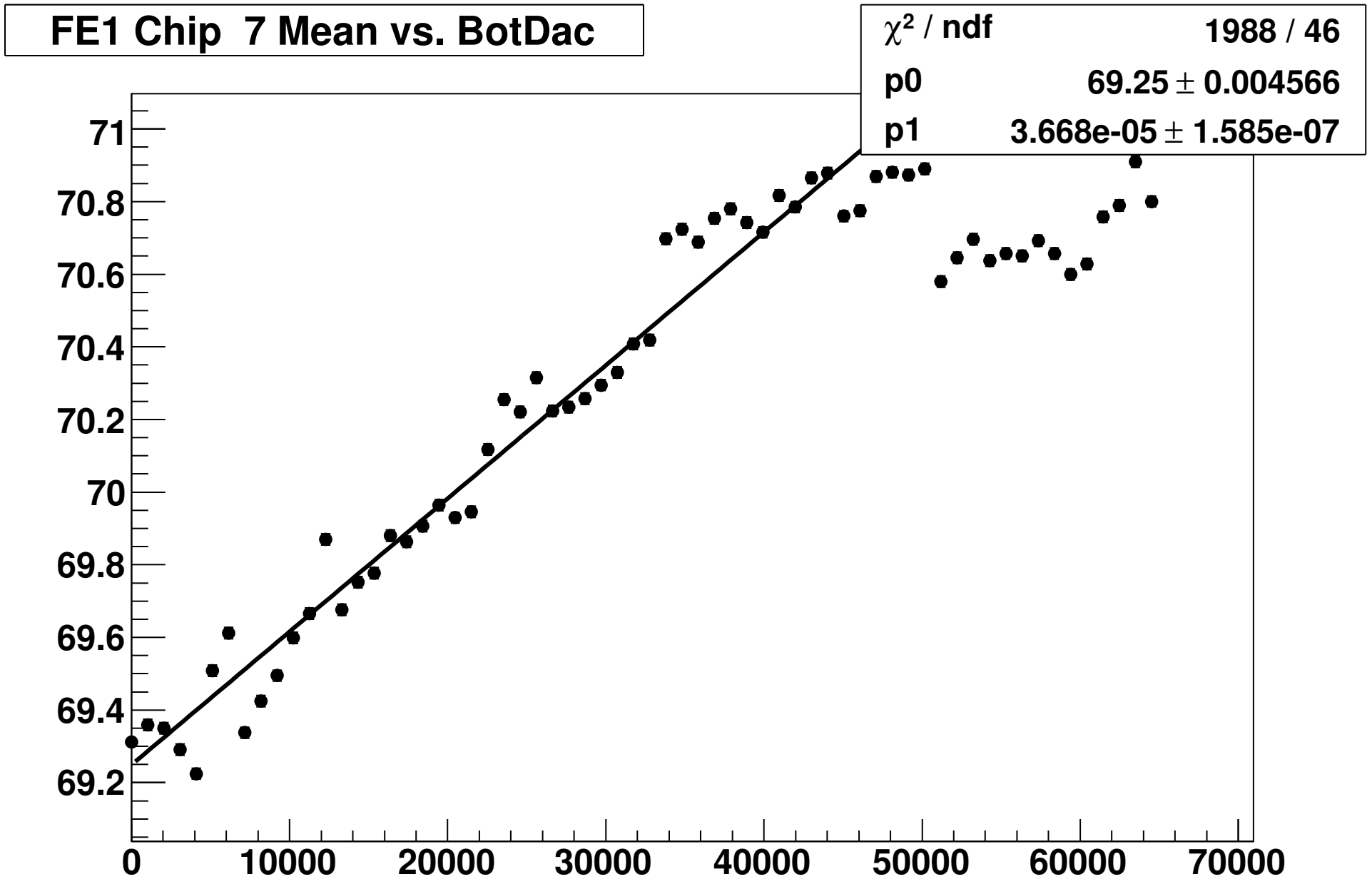
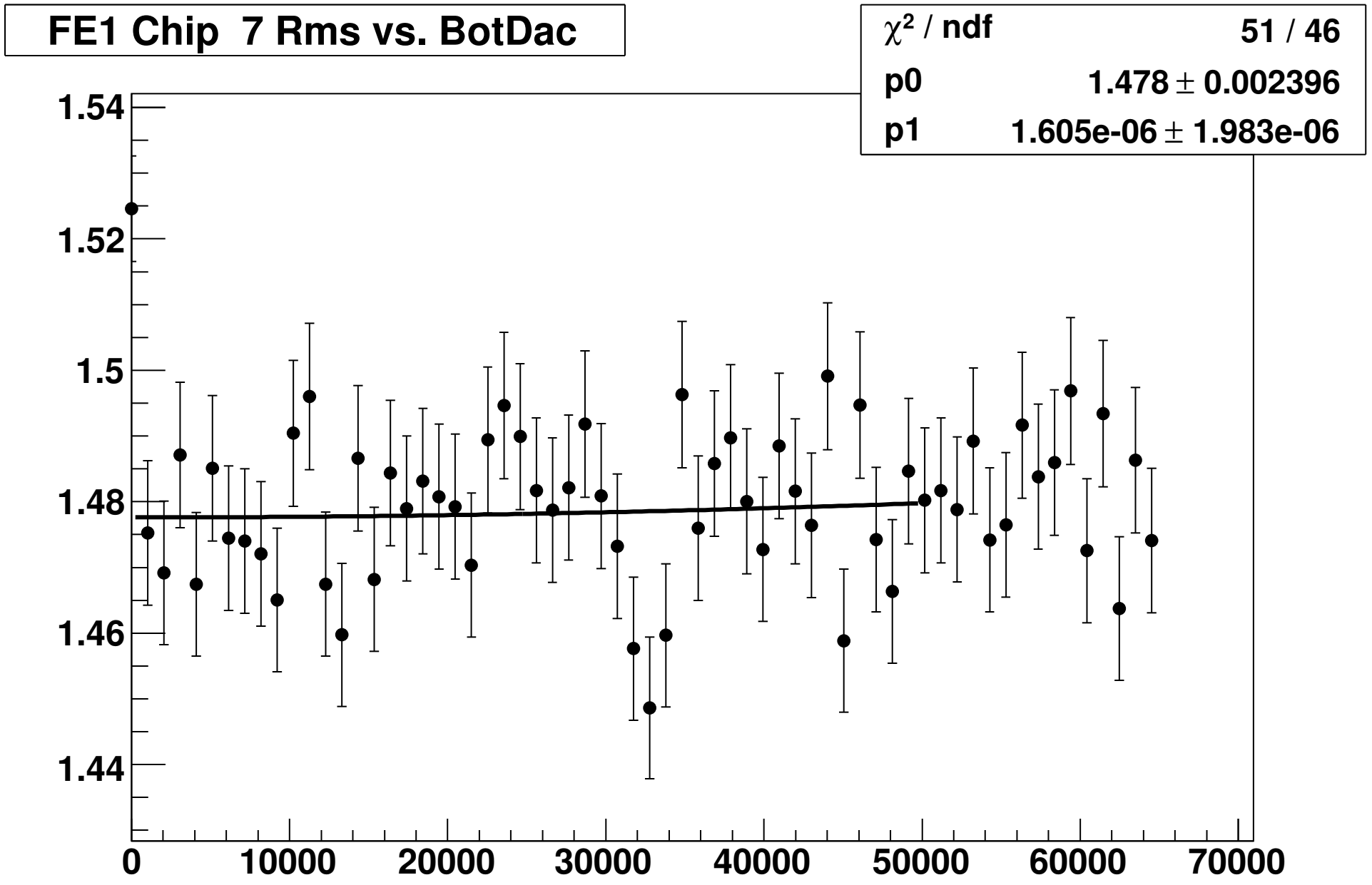
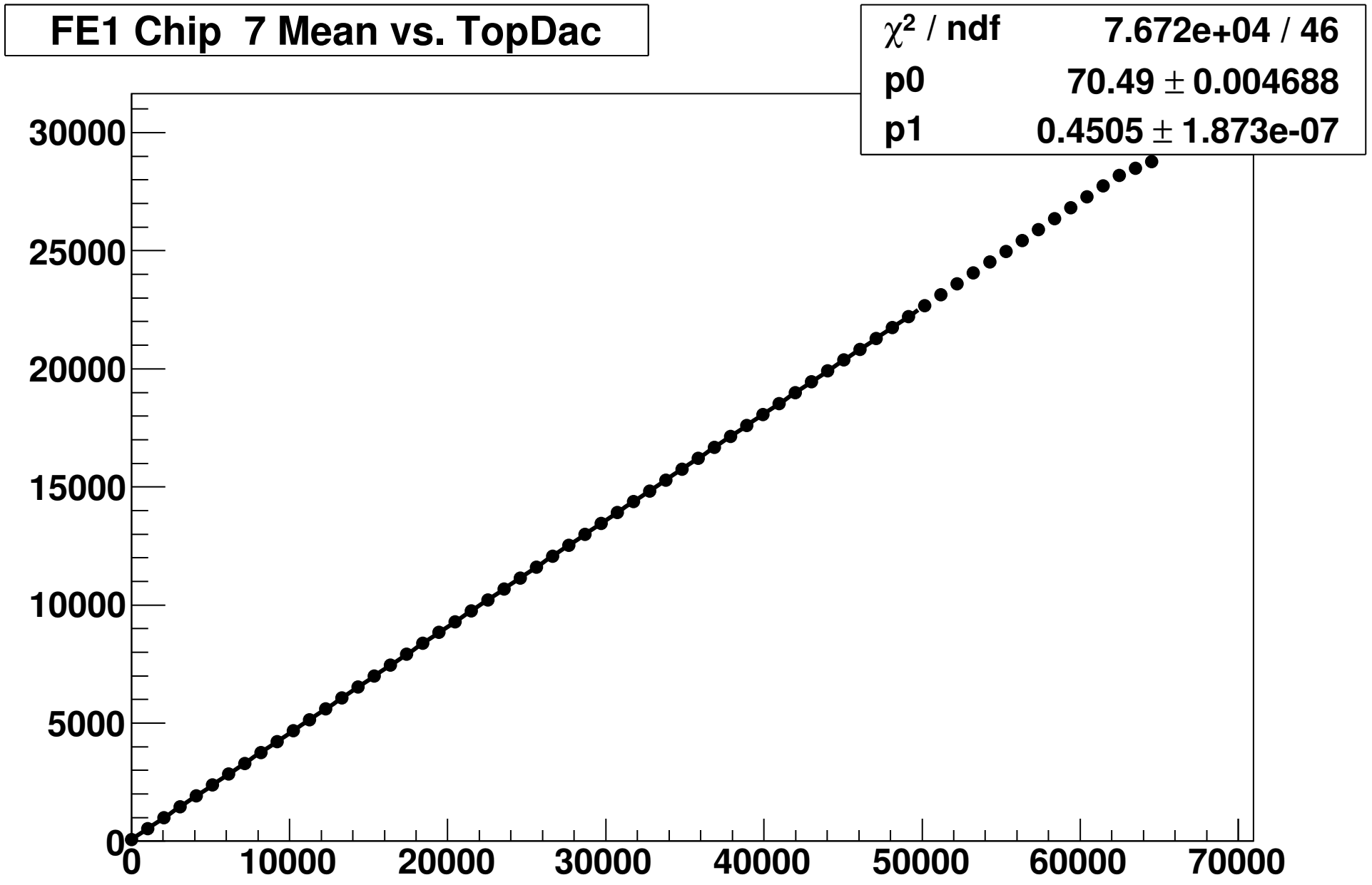
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 832.8 / 46
p0 1.362 ± 0.002602
p1 3.526e-05 ± 1.379e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1988 / 46
p0 69.25 ± 0.004566
p1 3.668e-05 ± 1.585e-07
71
70.8
70.6
70.4
70.2
70
69.8
69.6
69.4
69.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 51 / 46
p0 1.478 ± 0.002396
p1 1.605e-06 ± 1.983e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. TopDac
χ² / ndf 7.672e+04 / 46
p0 70.49 ± 0.004688
p1 0.4505 ± 1.873e-07
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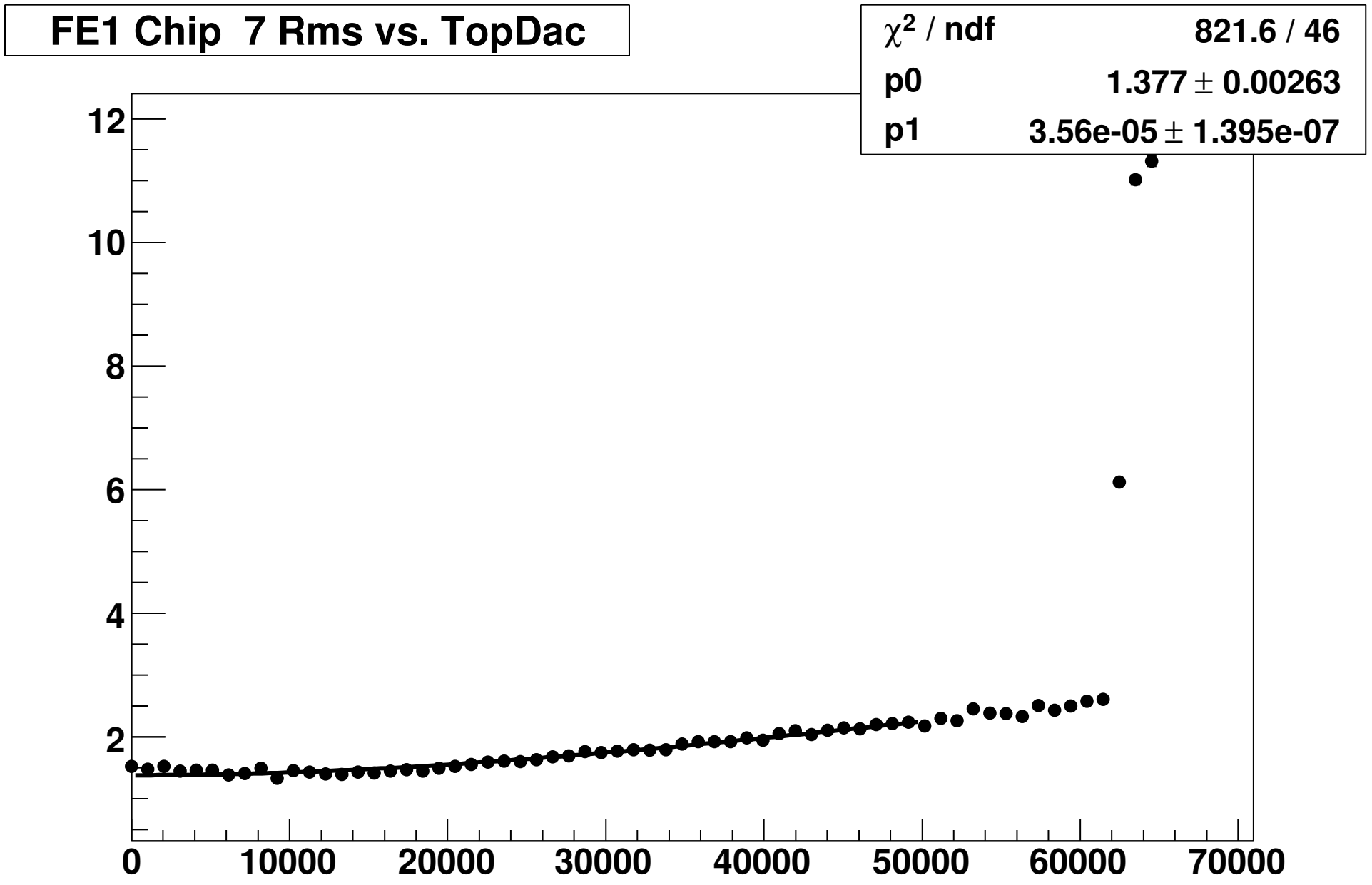
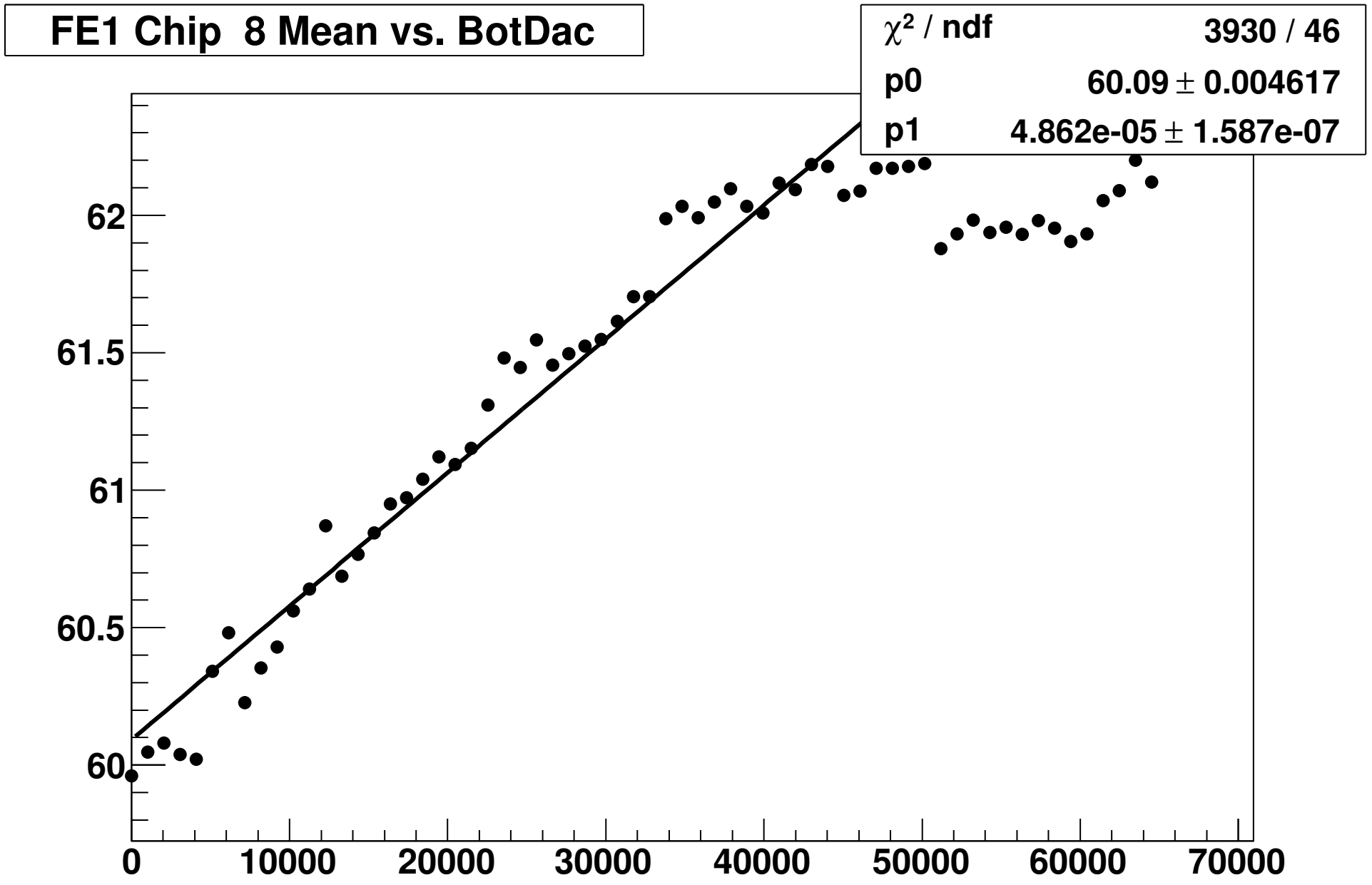
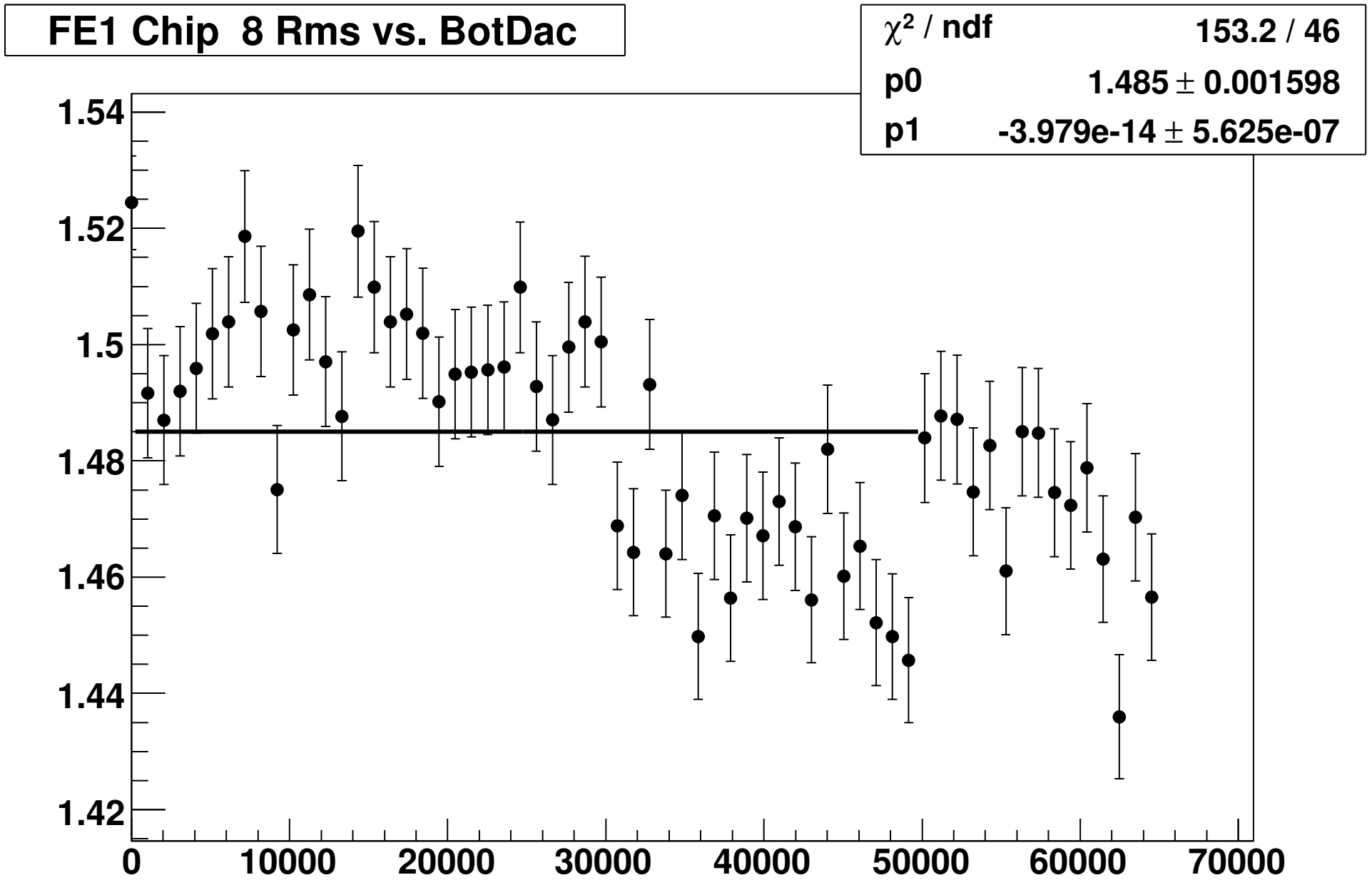
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. TopDac
χ² / ndf 821.6 / 46
p0 1.377 ± 0.00263
p1 3.56e-05 ± 1.395e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. BotDac
χ² / ndf 3930 / 46
p0 60.09 ± 0.004617
p1 4.862e-05 ± 1.587e-07
62
61.5
61
60.5
60
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 153.2 / 46
p0 1.485 ± 0.001598
p1 -3.979e-14 ± 5.625e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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30000
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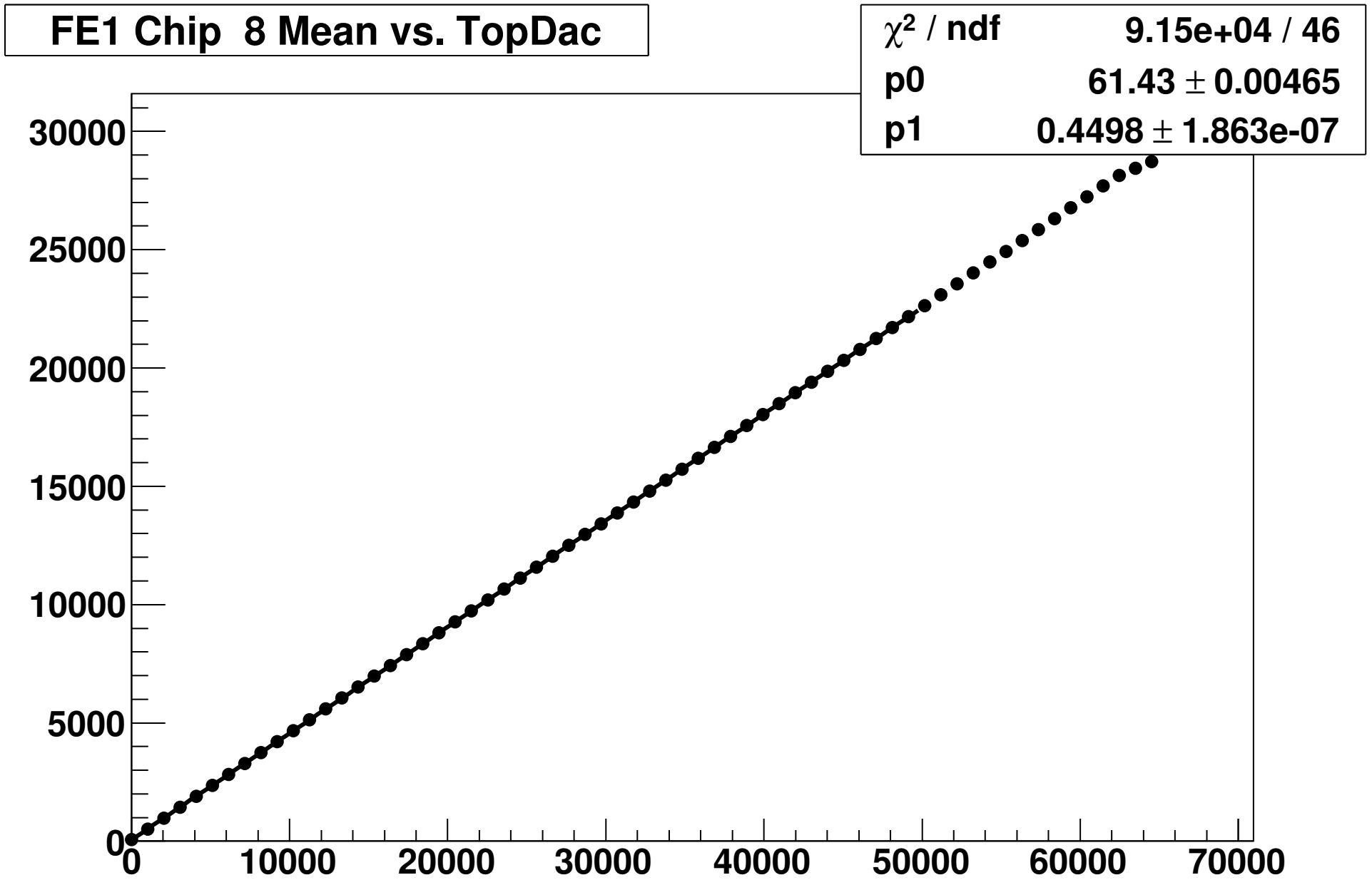
50000
60000
70000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 9.15e+04 / 46
p0 61.43 ± 0.00465
p1 0.4498 ± 1.863e-07
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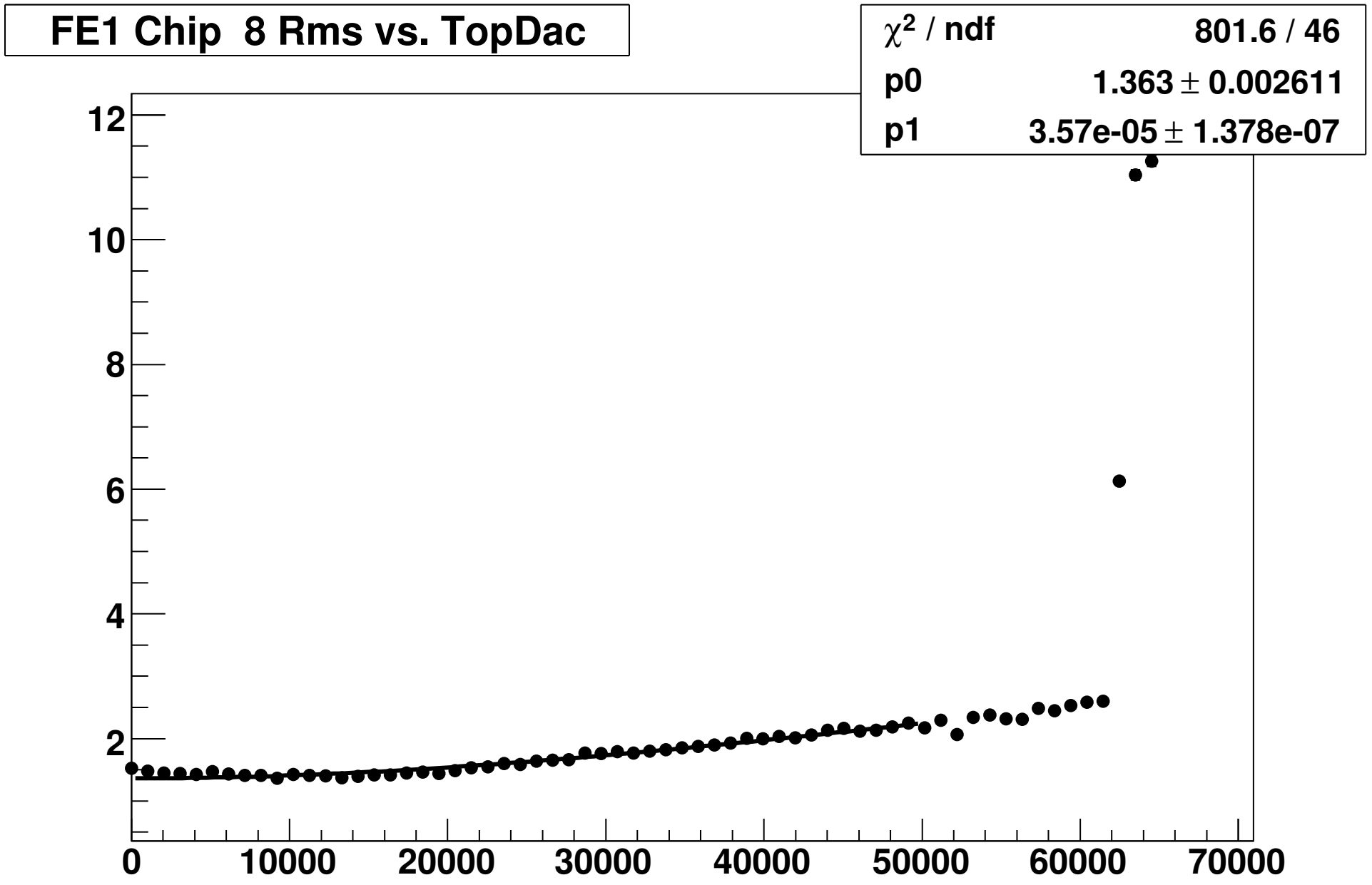
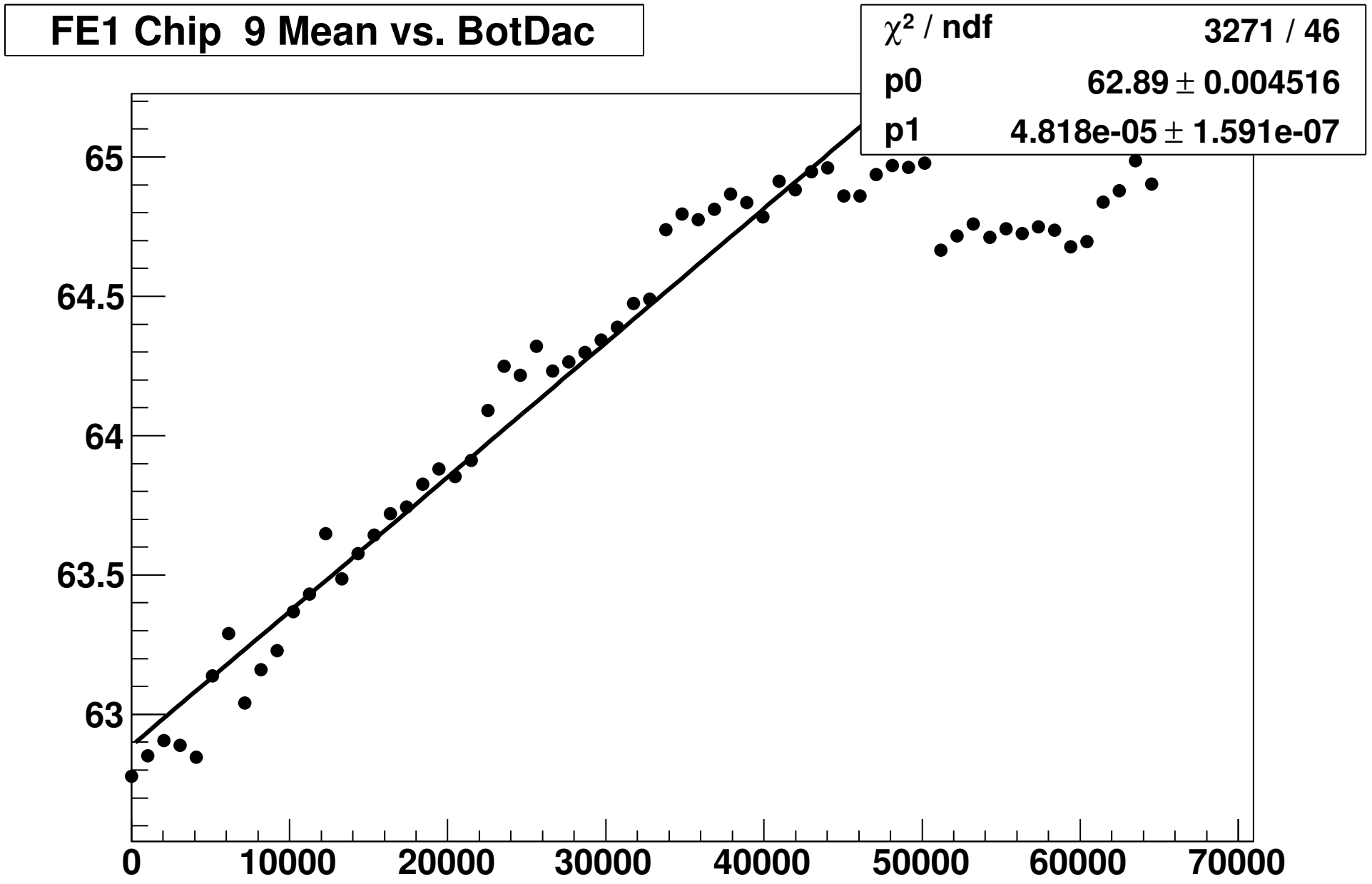
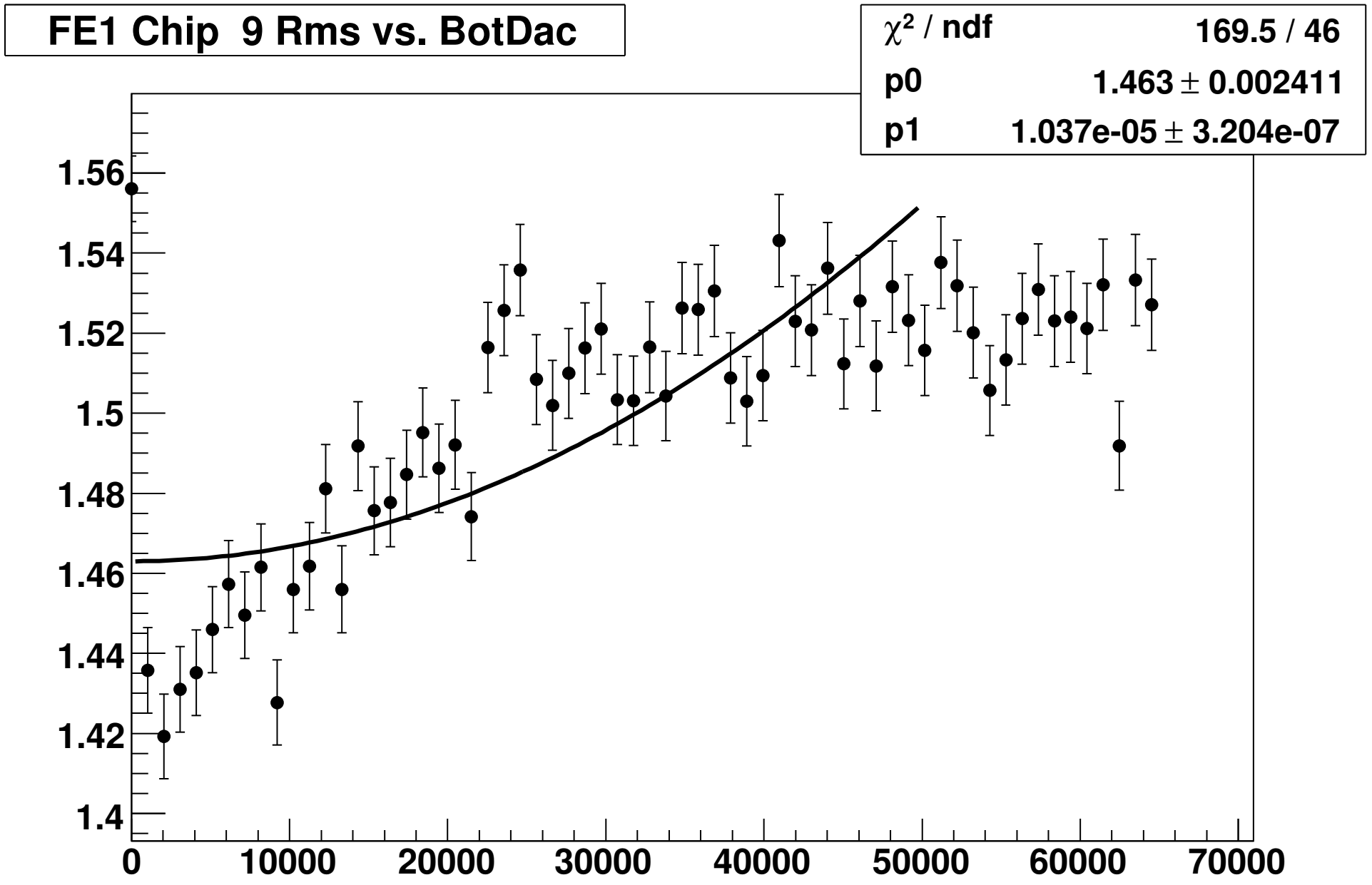
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 801.6 / 46
p0 1.363 ± 0.002611
p1 3.57e-05 ± 1.378e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 3271 / 46
p0 62.89 ± 0.004516
p1 4.818e-05 ± 1.591e-07
65
64.5
64
63.5
63
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 169.5 / 46
p0 1.463 ± 0.002411
p1 1.037e-05 ± 3.204e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
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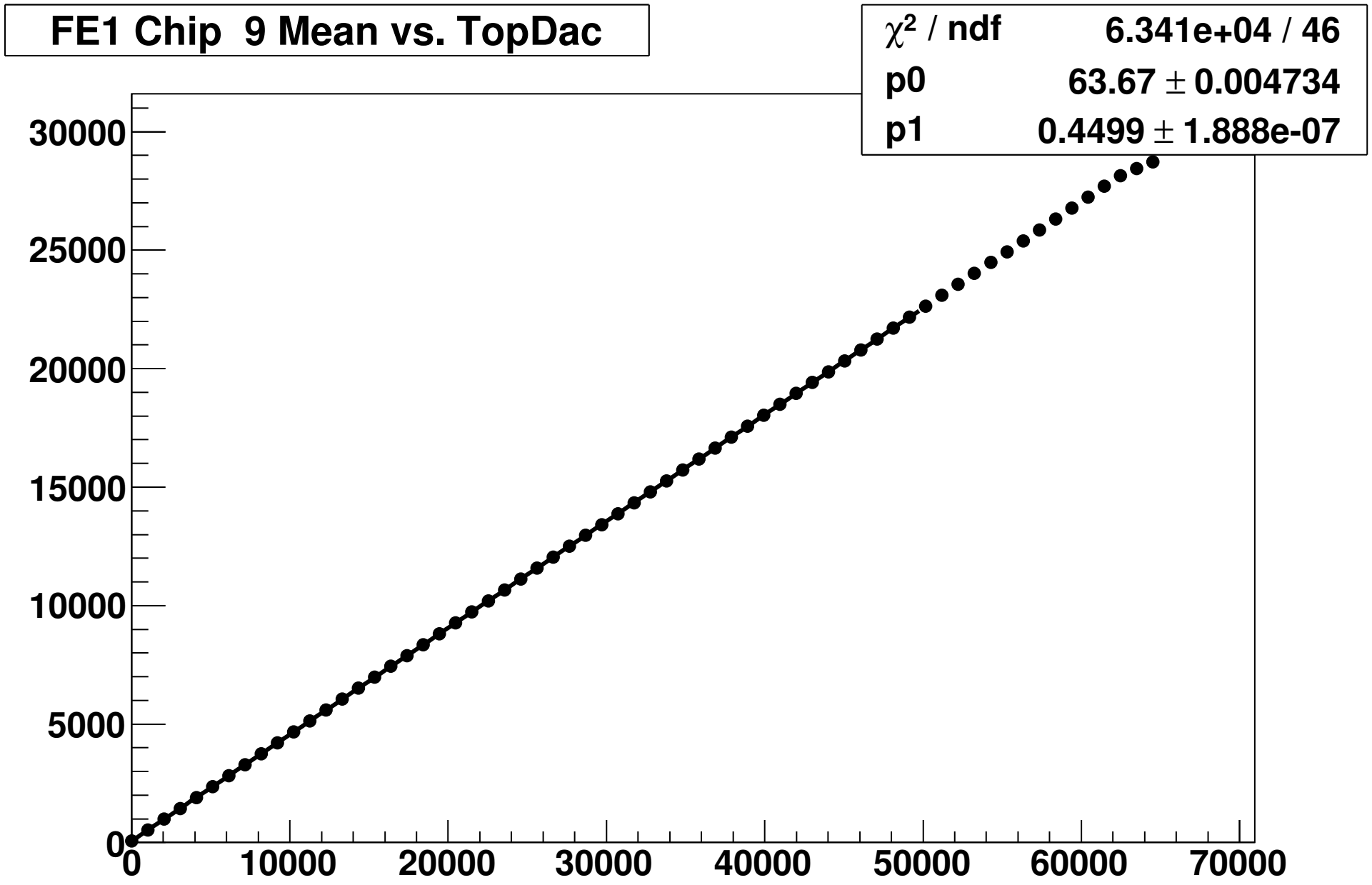
50000
60000
70000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 6.341e+04 / 46
p0 63.67 ± 0.004734
p1 0.4499 ± 1.888e-07
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25000
20000
15000
10000
5000
0
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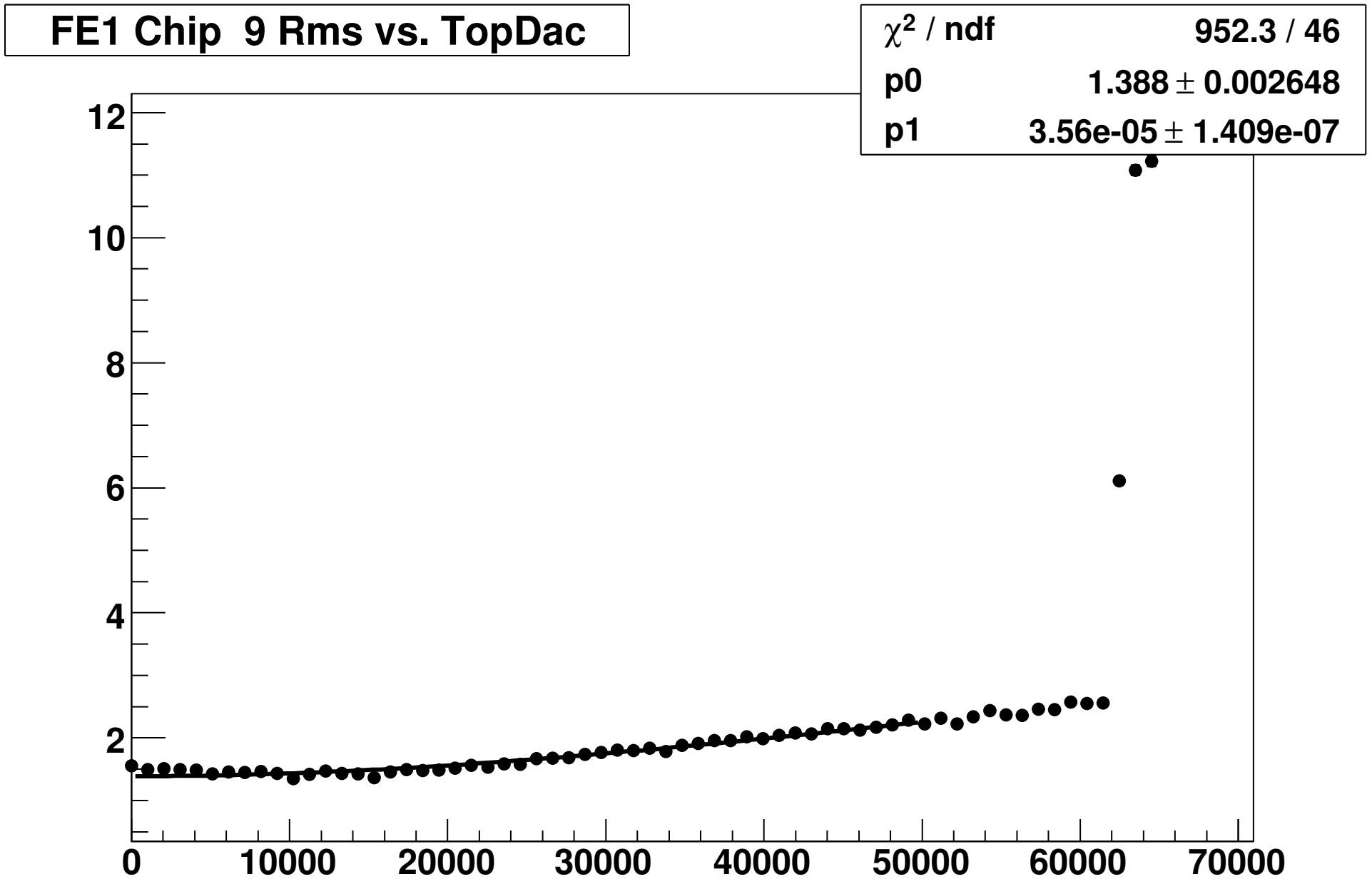
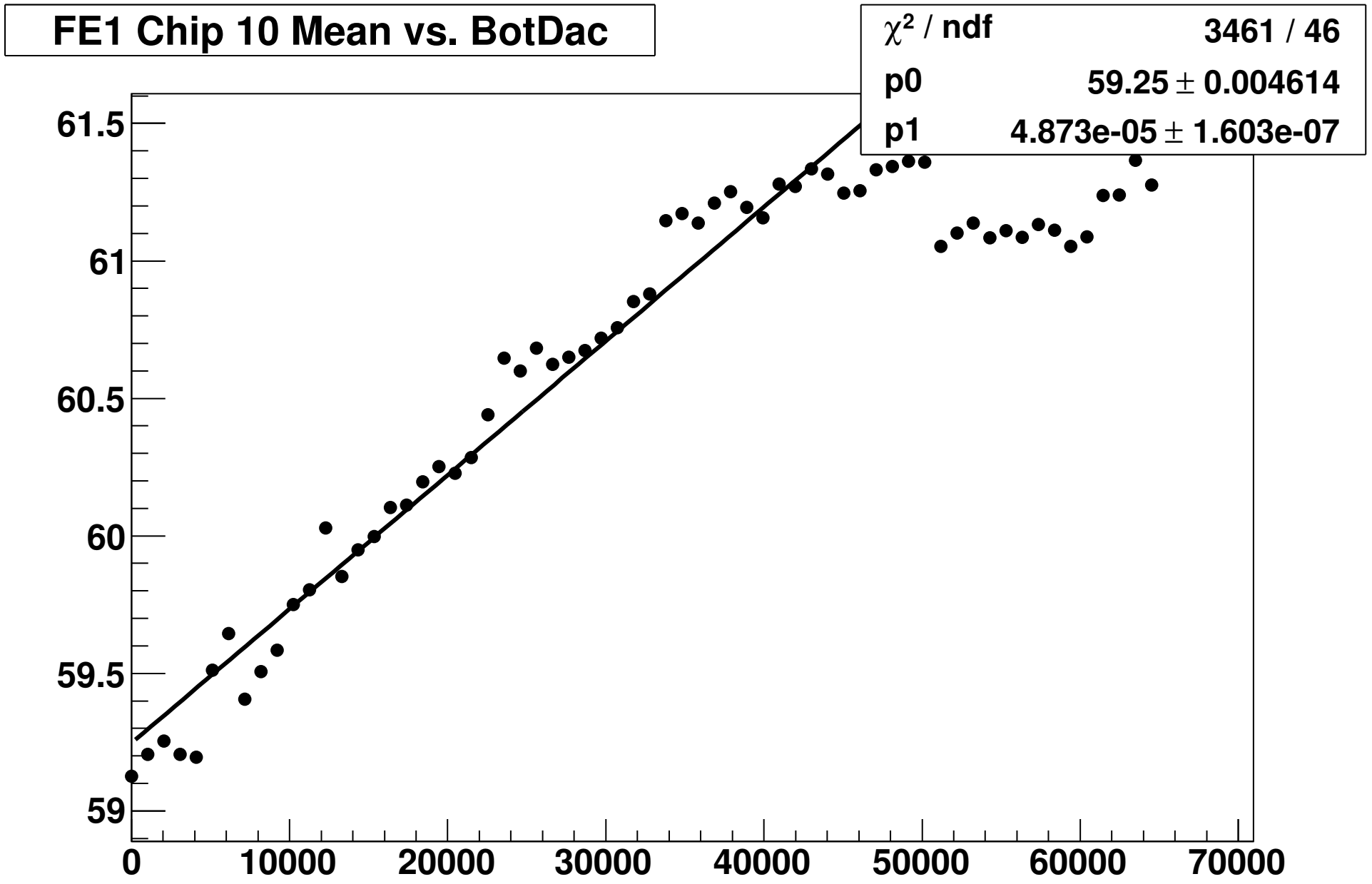
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 952.3 / 46
p0 1.388 ± 0.002648
p1 3.56e-05 ± 1.409e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 3461 / 46
p0 59.25 ± 0.004614
p1 4.873e-05 ± 1.603e-07
61.5
61
60.5
60
59.5
59
0
10000
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30000
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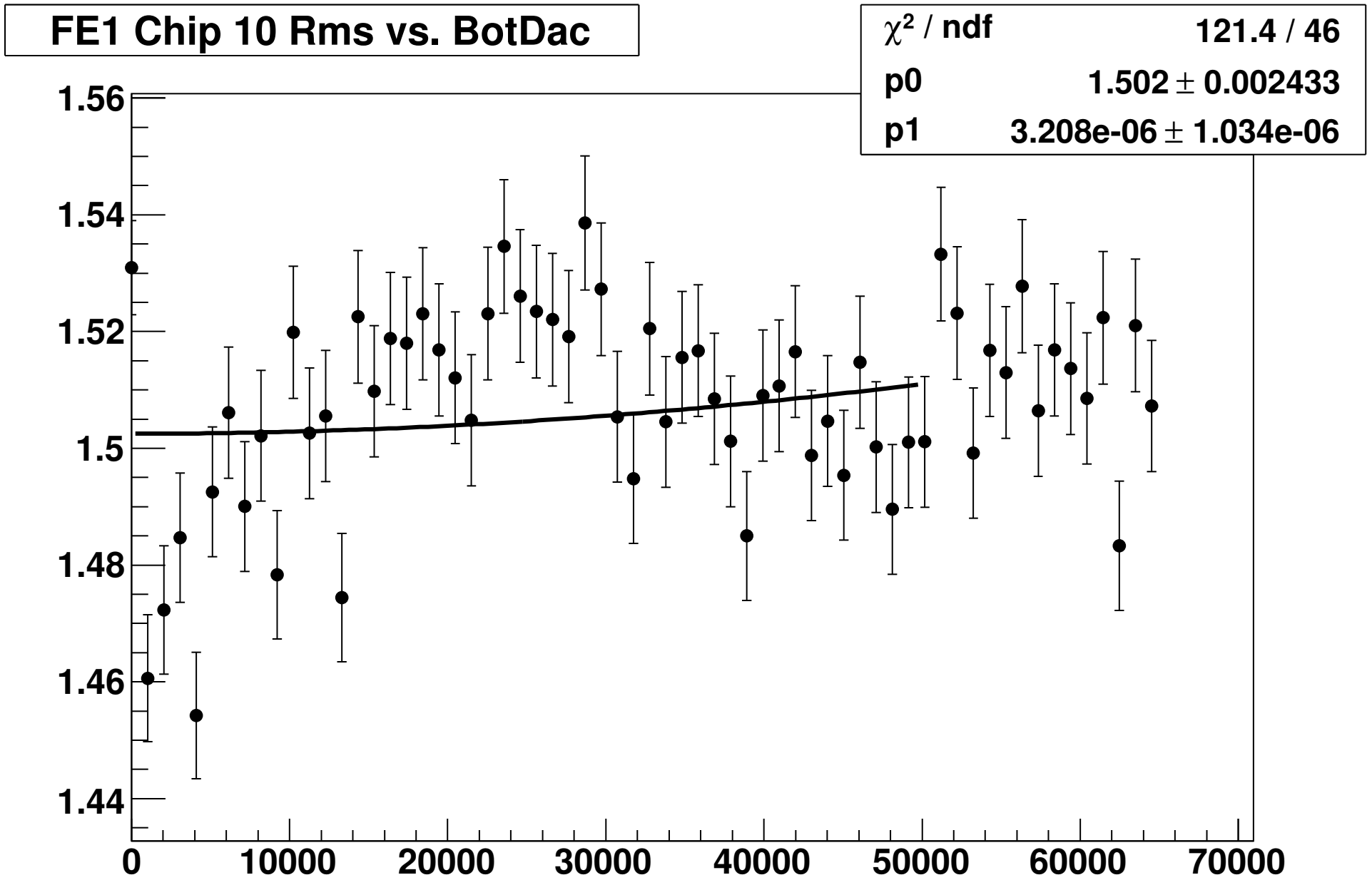
50000
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 121.4 / 46
p0 1.502 ± 0.002433
p1 3.208e-06 ± 1.034e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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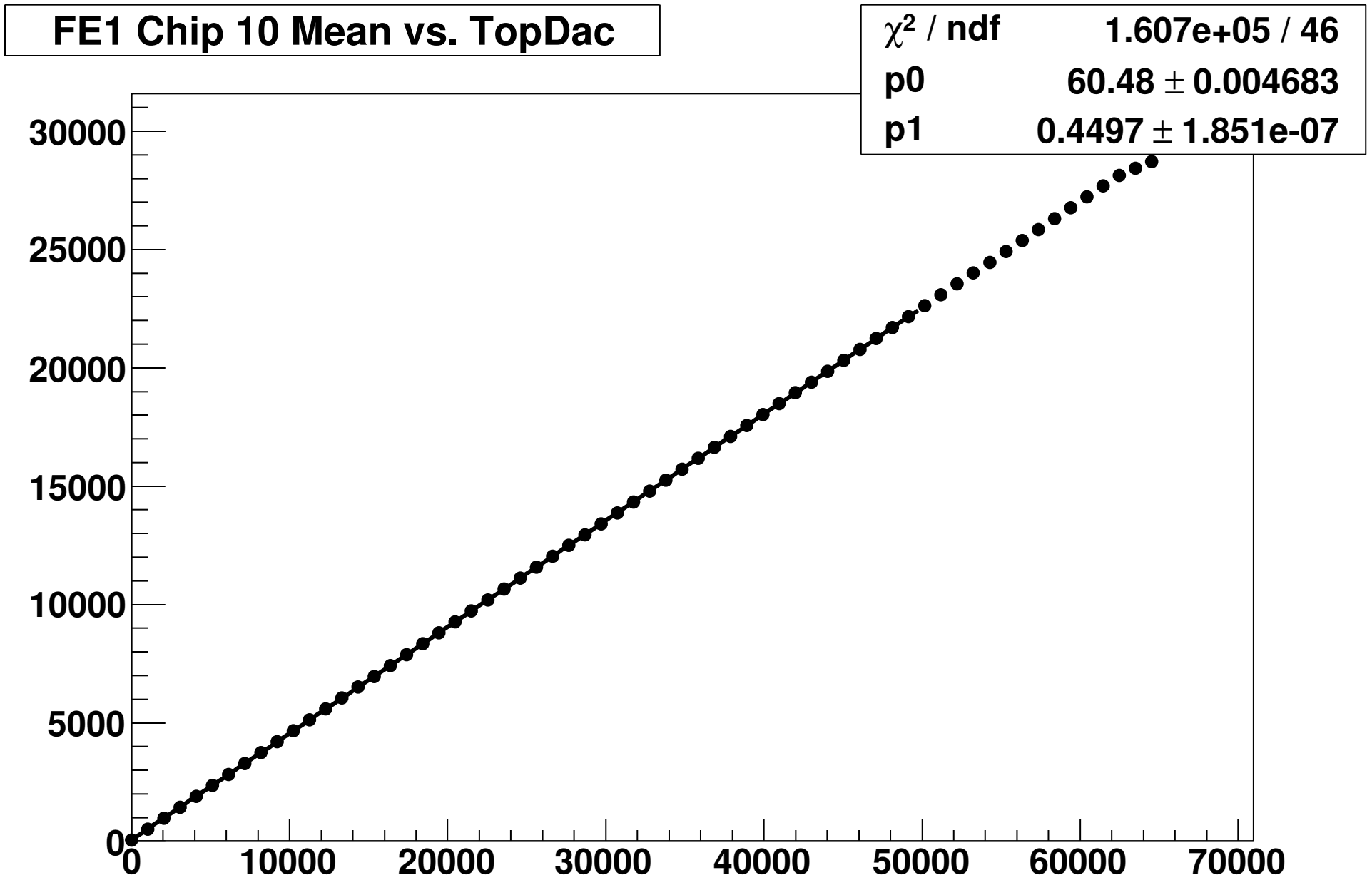
50000
60000
70000


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.607e+05 / 46
p0 60.48 ± 0.004683
p1 0.4497 ± 1.851e-07
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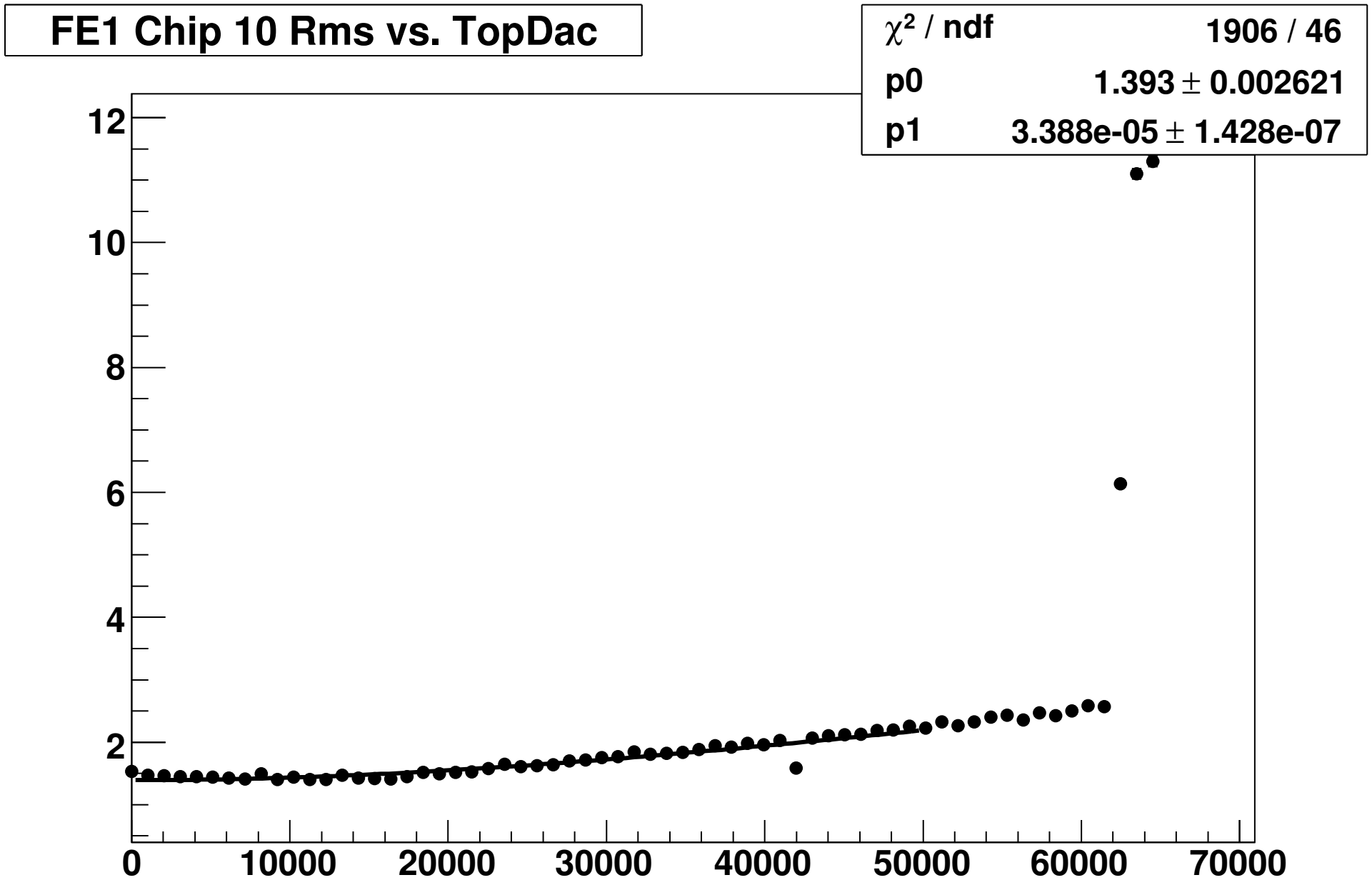
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 1906 / 46
p0 1.393 ± 0.002621
p1 3.388e-05 ± 1.428e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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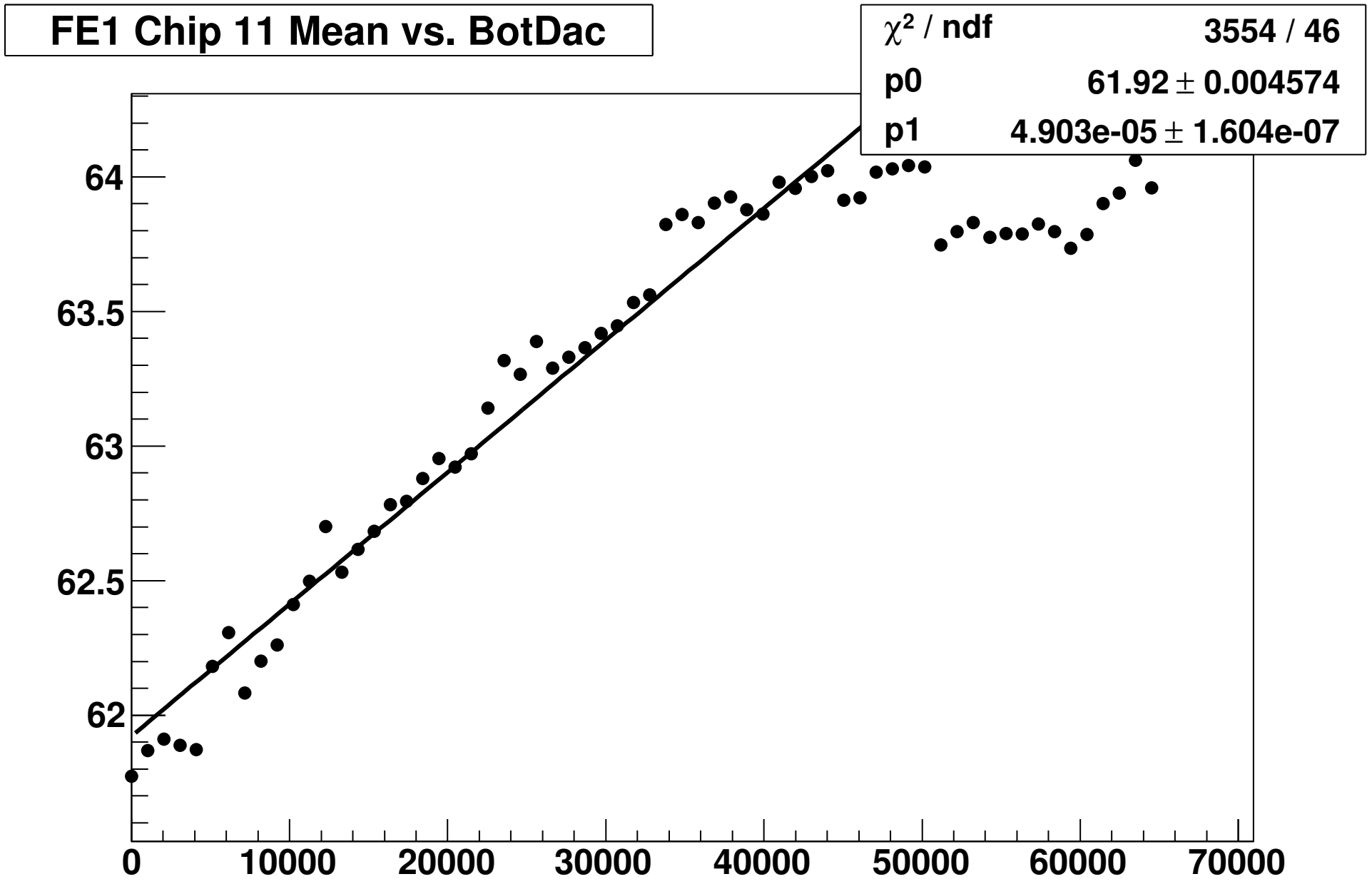
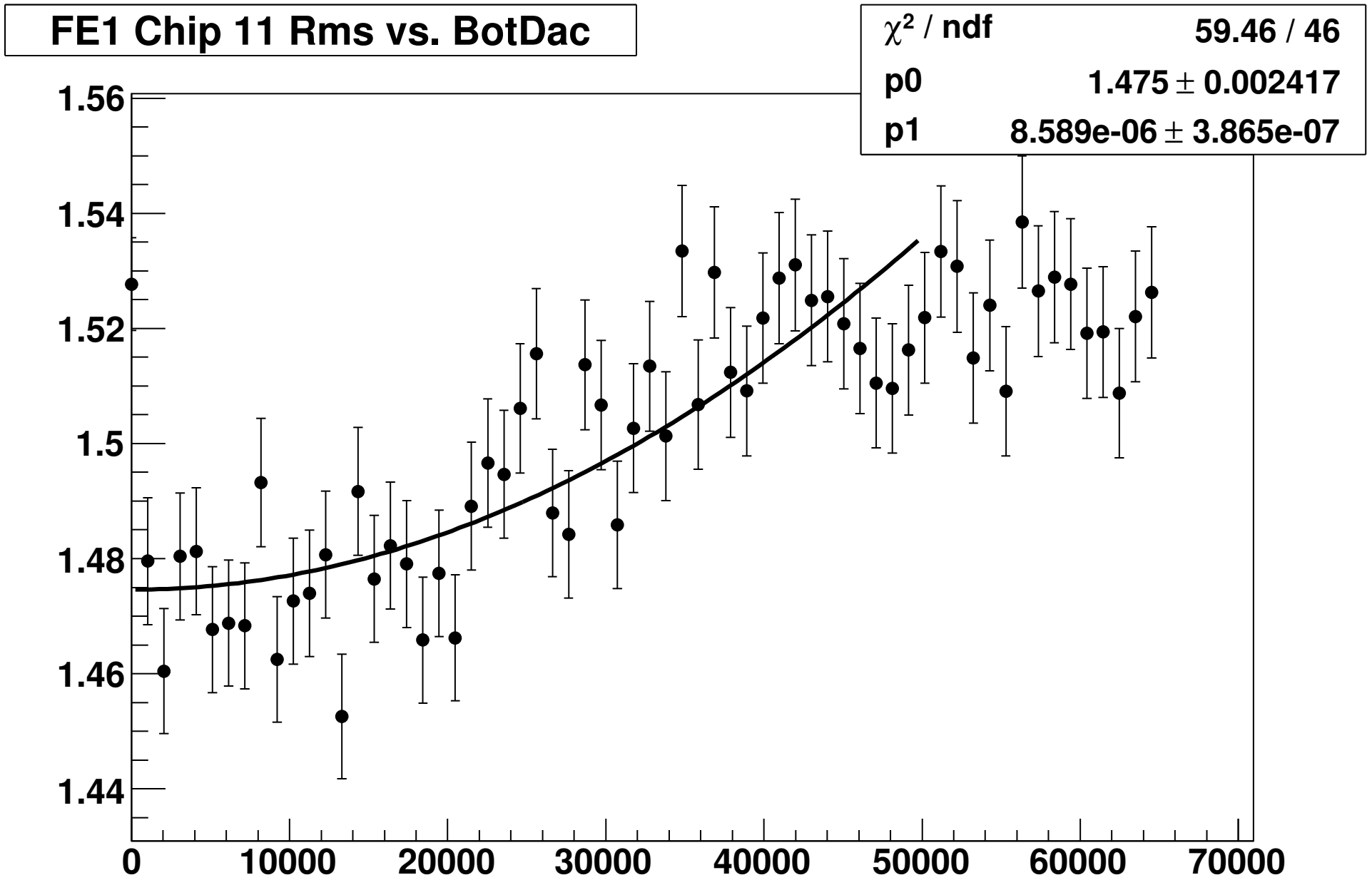
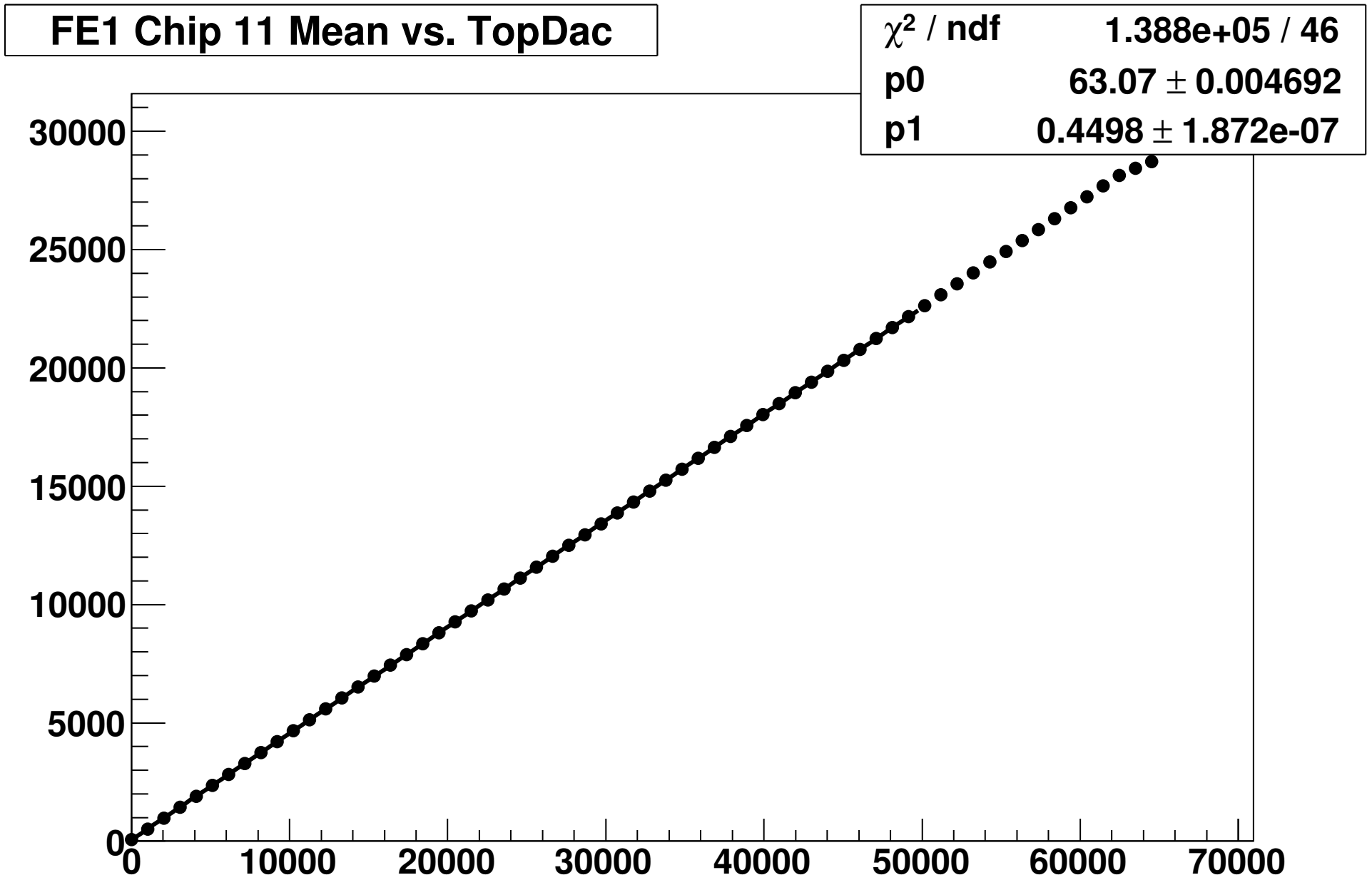

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 3554 / 46
p0 61.92 ± 0.004574
p1 4.903e-05 ± 1.604e-07
64
63.5
63
62.5
62
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 59.46 / 46
p0 1.475 ± 0.002417
p1 8.589e-06 ± 3.865e-07
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.388e+05 / 46
p0 63.07 ± 0.004692
p1 0.4498 ± 1.872e-07
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25000
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0
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10000
20000
30000
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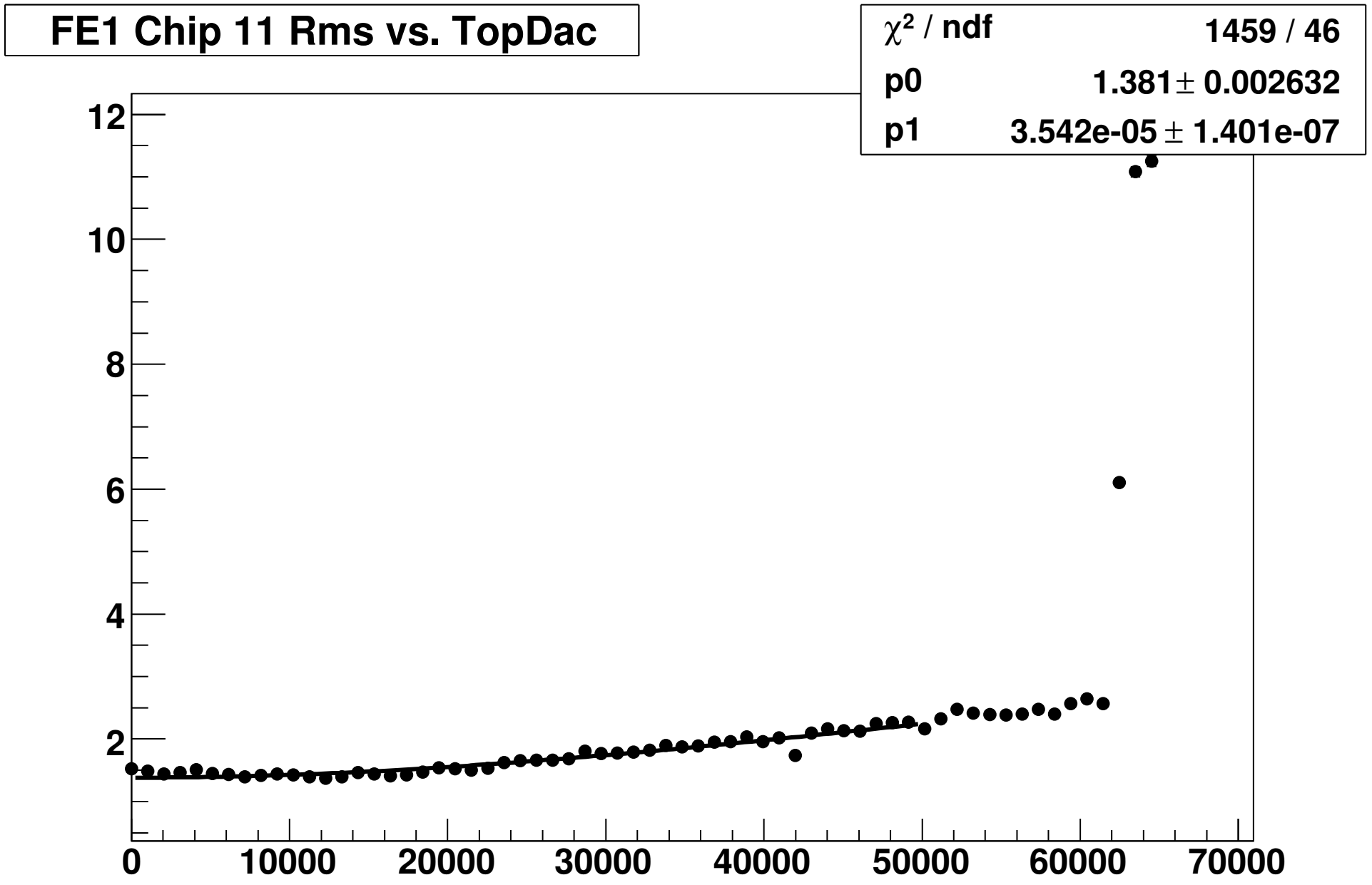
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 1459 / 46
p0 1.381 ± 0.002632
p1 3.542e-05 ± 1.401e-07
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10
8
6
4
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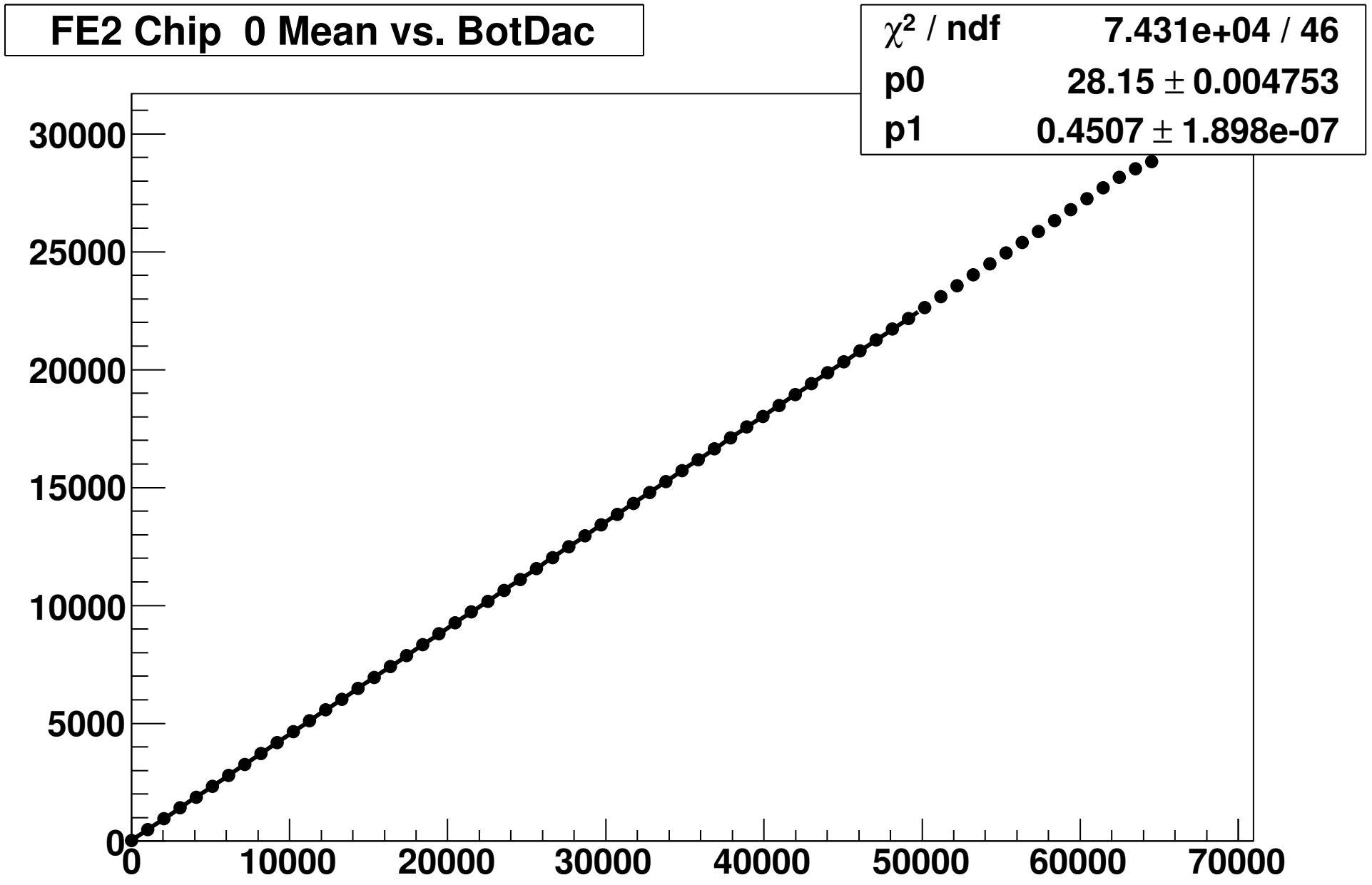
FE2 Chip 0 Mean vs. BotDac
χ² / ndf 7.431e+04 / 46
p0 28.15 ± 0.004753
p1 0.4507 ± 1.898e-07
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15000
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5000
0
0
10000
20000
30000
40000
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60000
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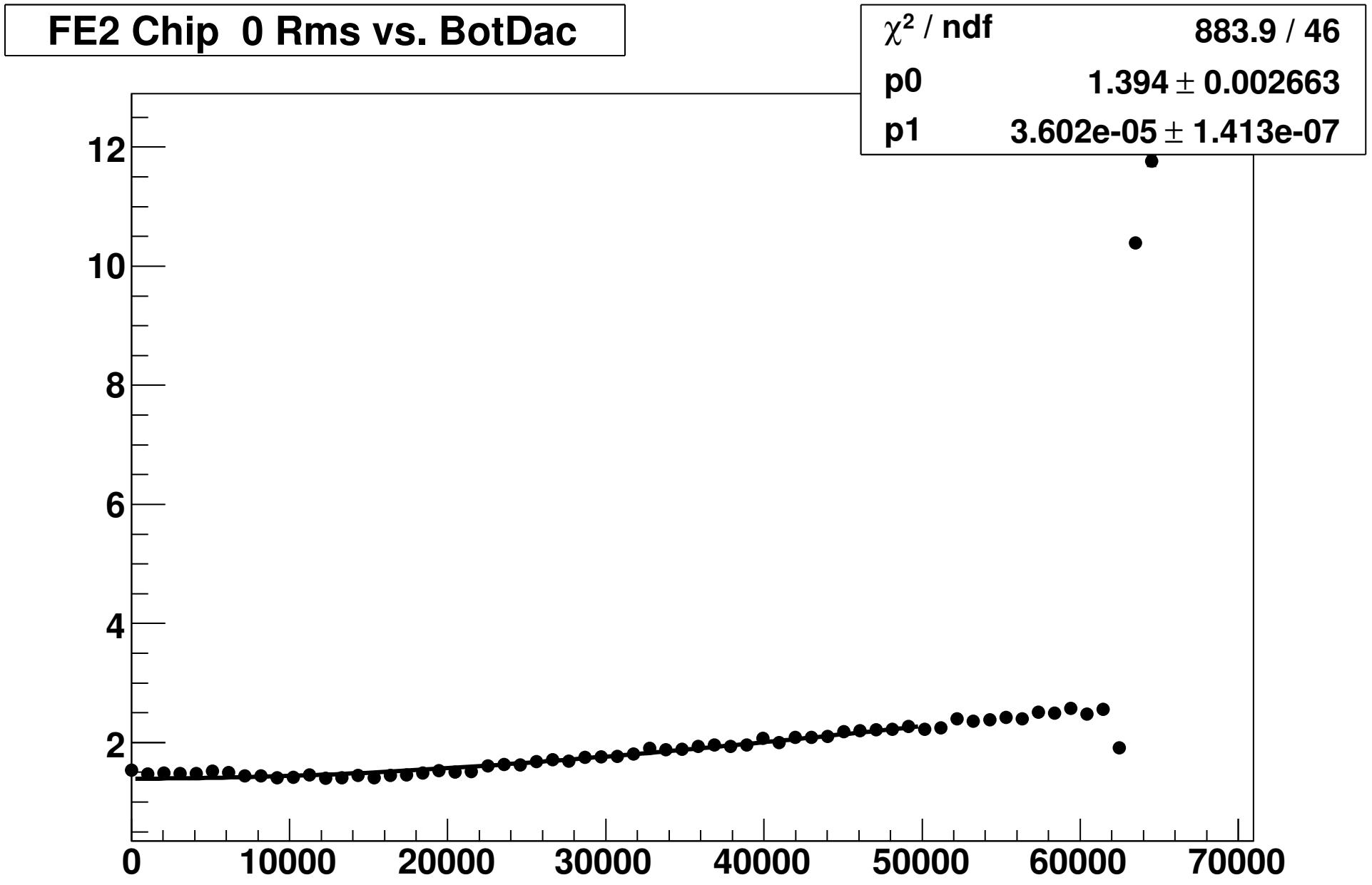
FE2 Chip 0 Rms vs. BotDac
χ² / ndf 883.9 / 46
p0 1.394 ± 0.002663
p1 3.602e-05 ± 1.413e-07
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8
6
4
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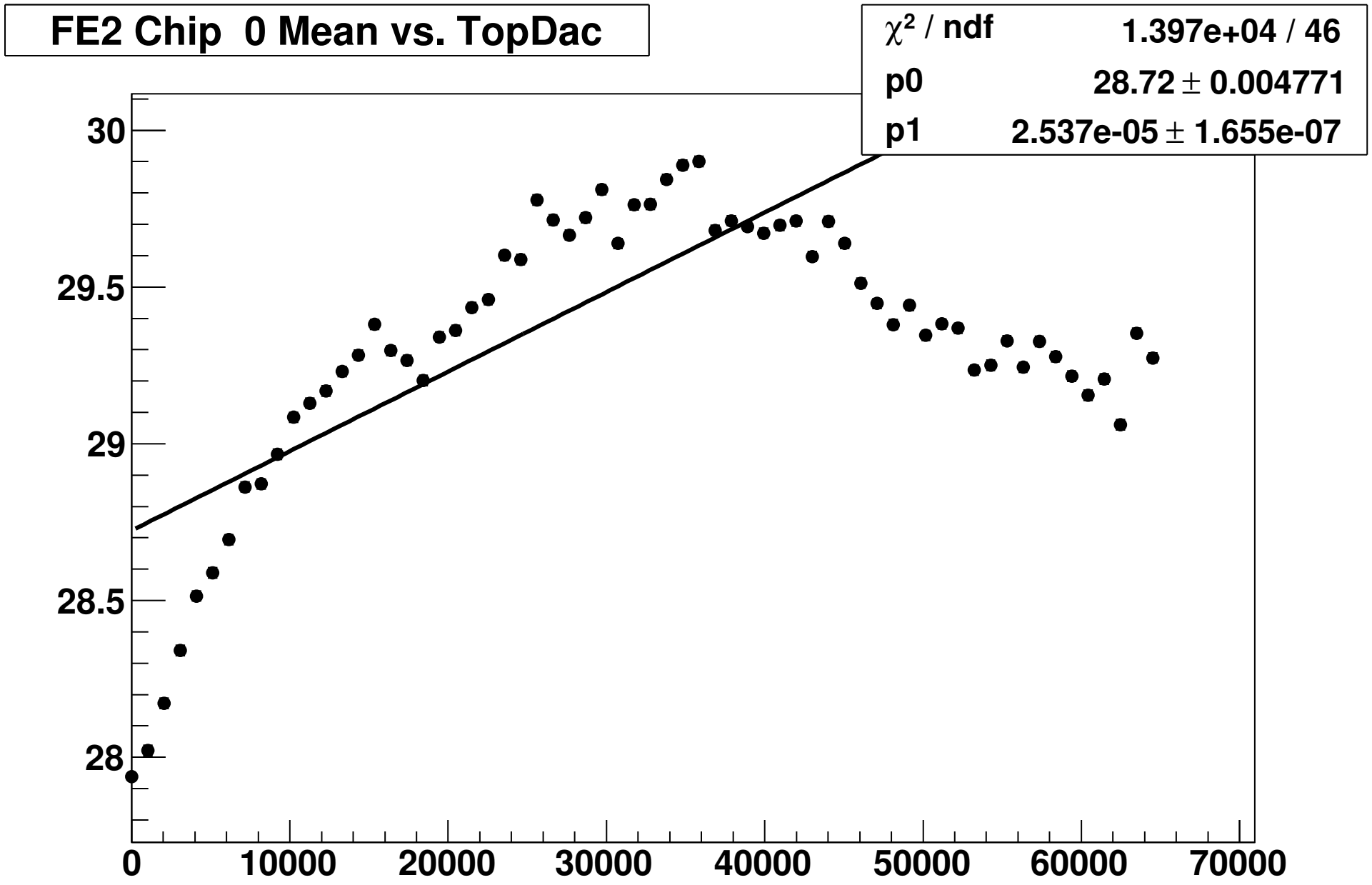
FE2 Chip 0 Mean vs. TopDac
χ² / ndf 1.397e+04 / 46
p0 28.72 ± 0.004771
p1 2.537e-05 ± 1.655e-07
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29.5
29
28.5
28
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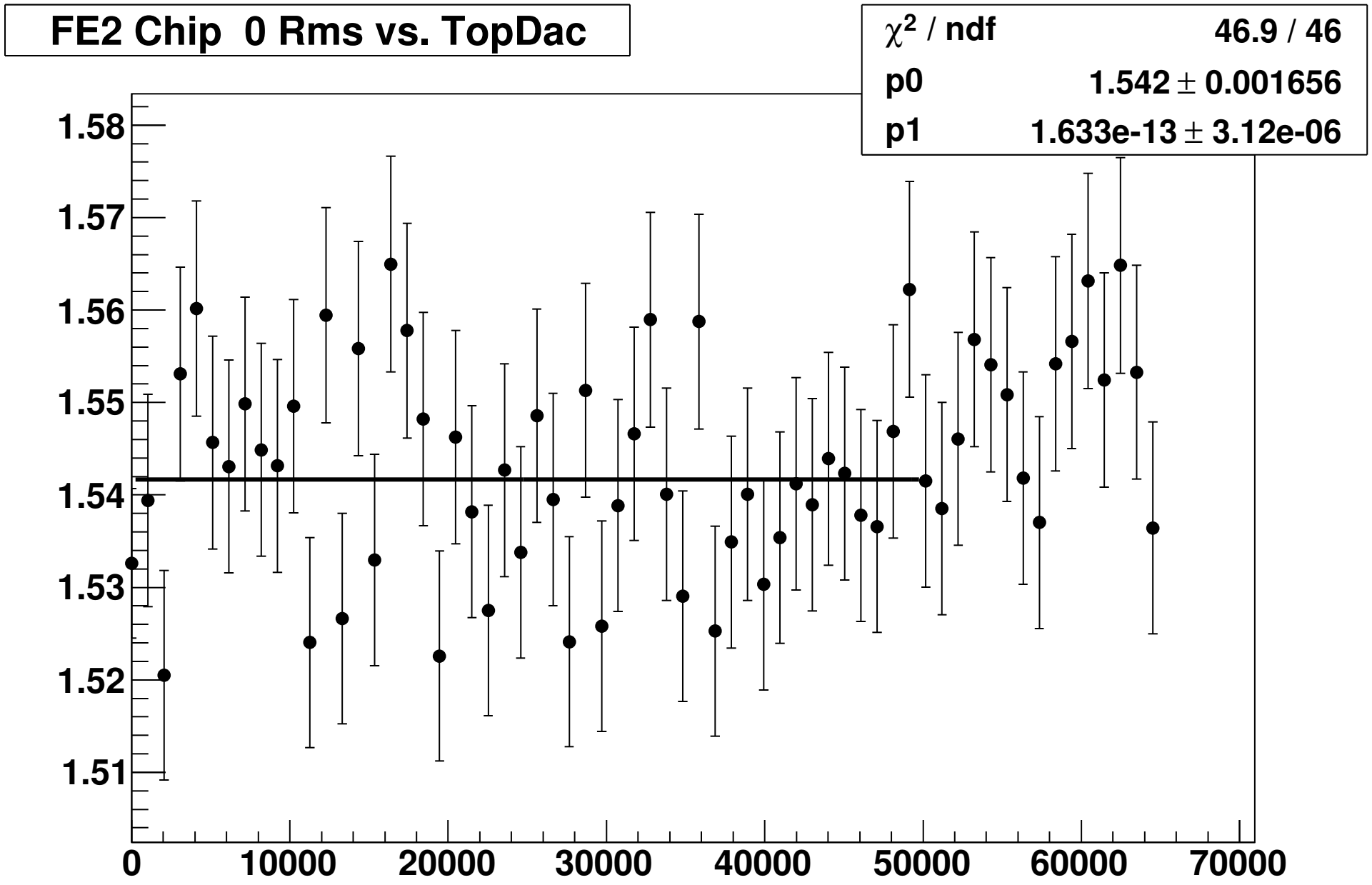
FE2 Chip 0 Rms vs. TopDac
χ² / ndf 46.9 / 46
p0 1.542 ± 0.001656
p1 1.633e-13 ± 3.12e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
0
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20000
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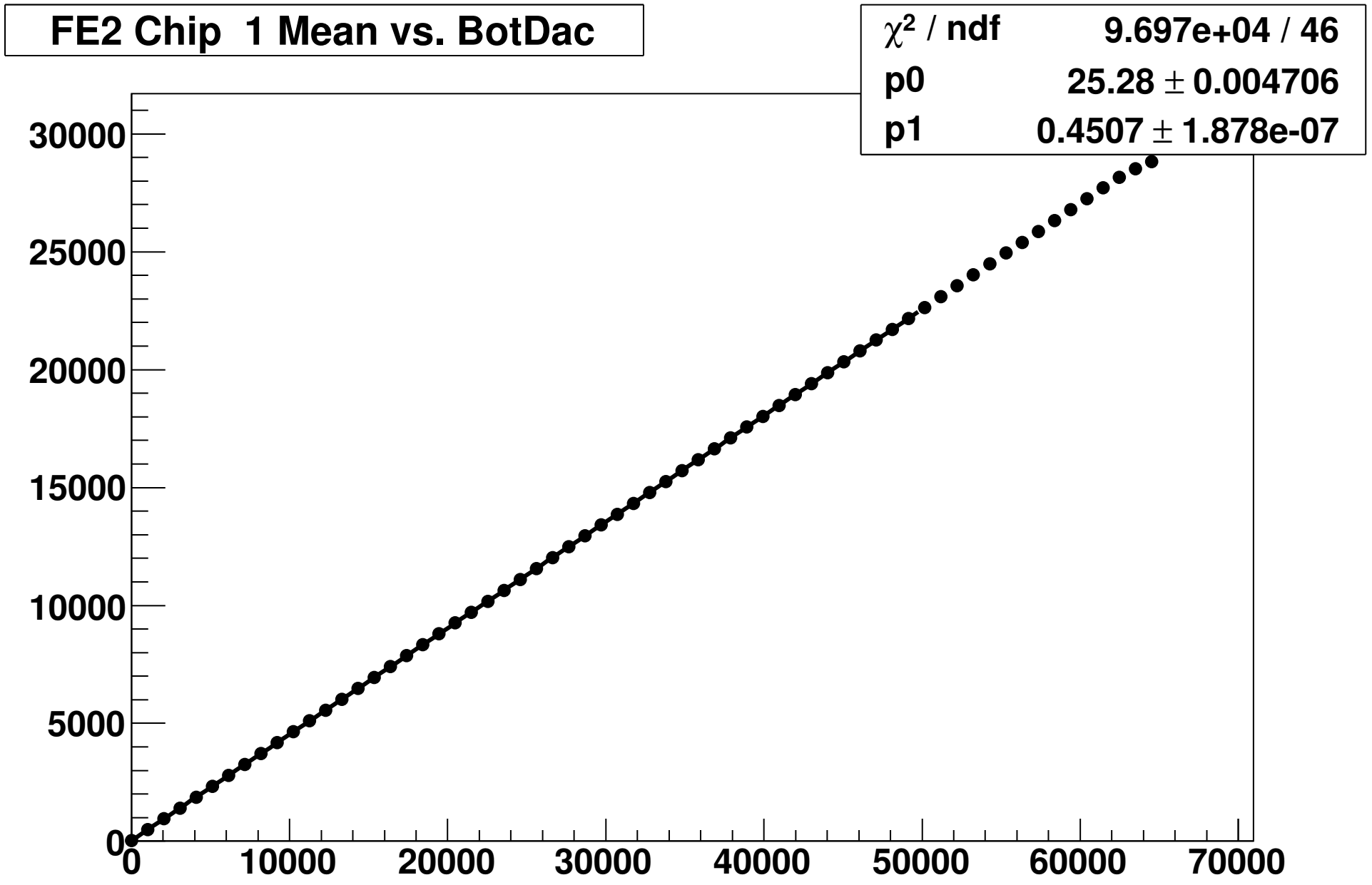
70000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 9.697e+04 / 46
p0 25.28 ± 0.004706
p1 0.4507 ± 1.878e-07
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0
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10000
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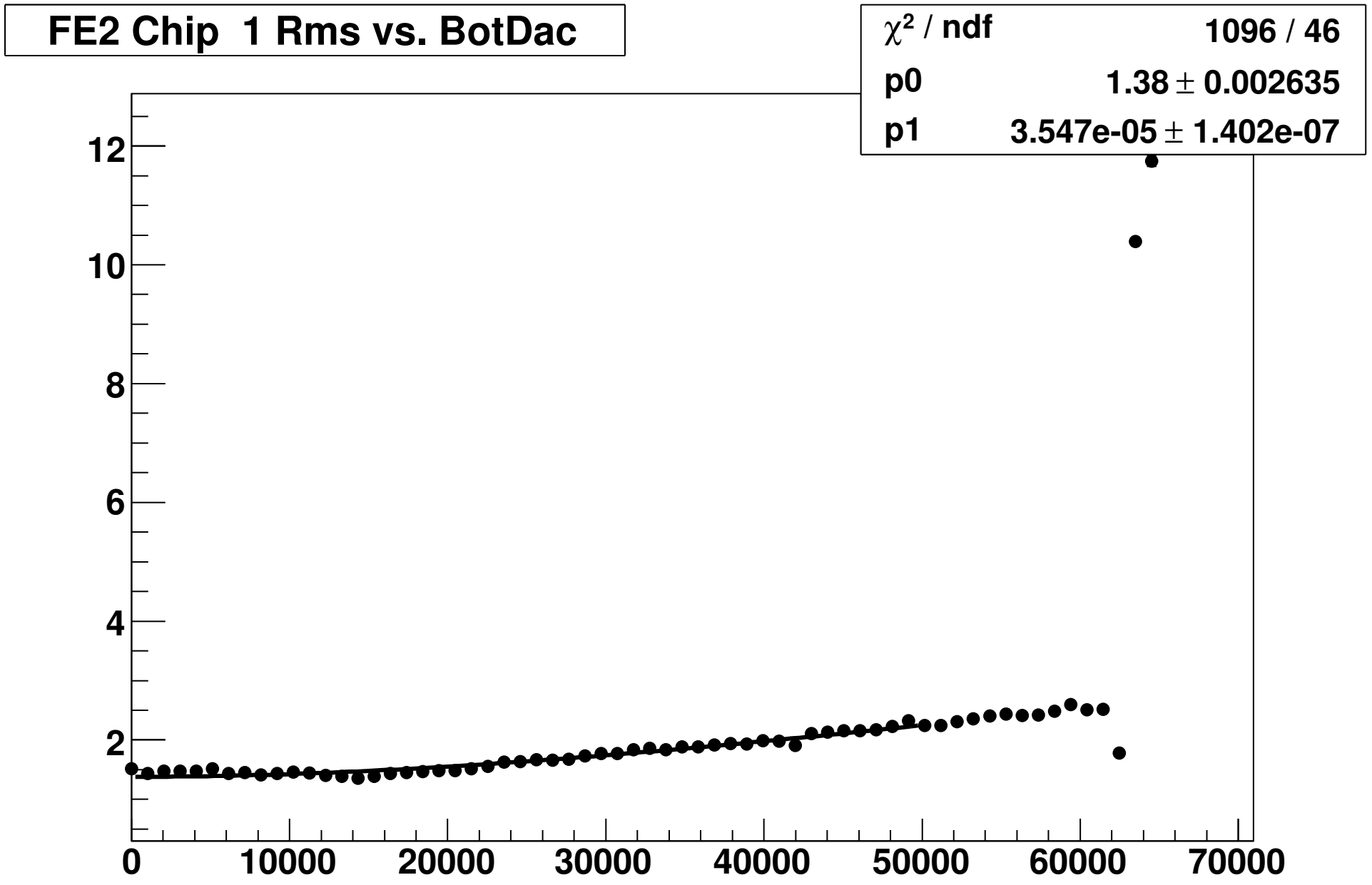
FE2 Chip 1 Rms vs. BotDac
χ² / ndf 1096 / 46
p0 1.38 ± 0.002635
p1 3.547e-05 ± 1.402e-07
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10
8
6
4
2
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60000
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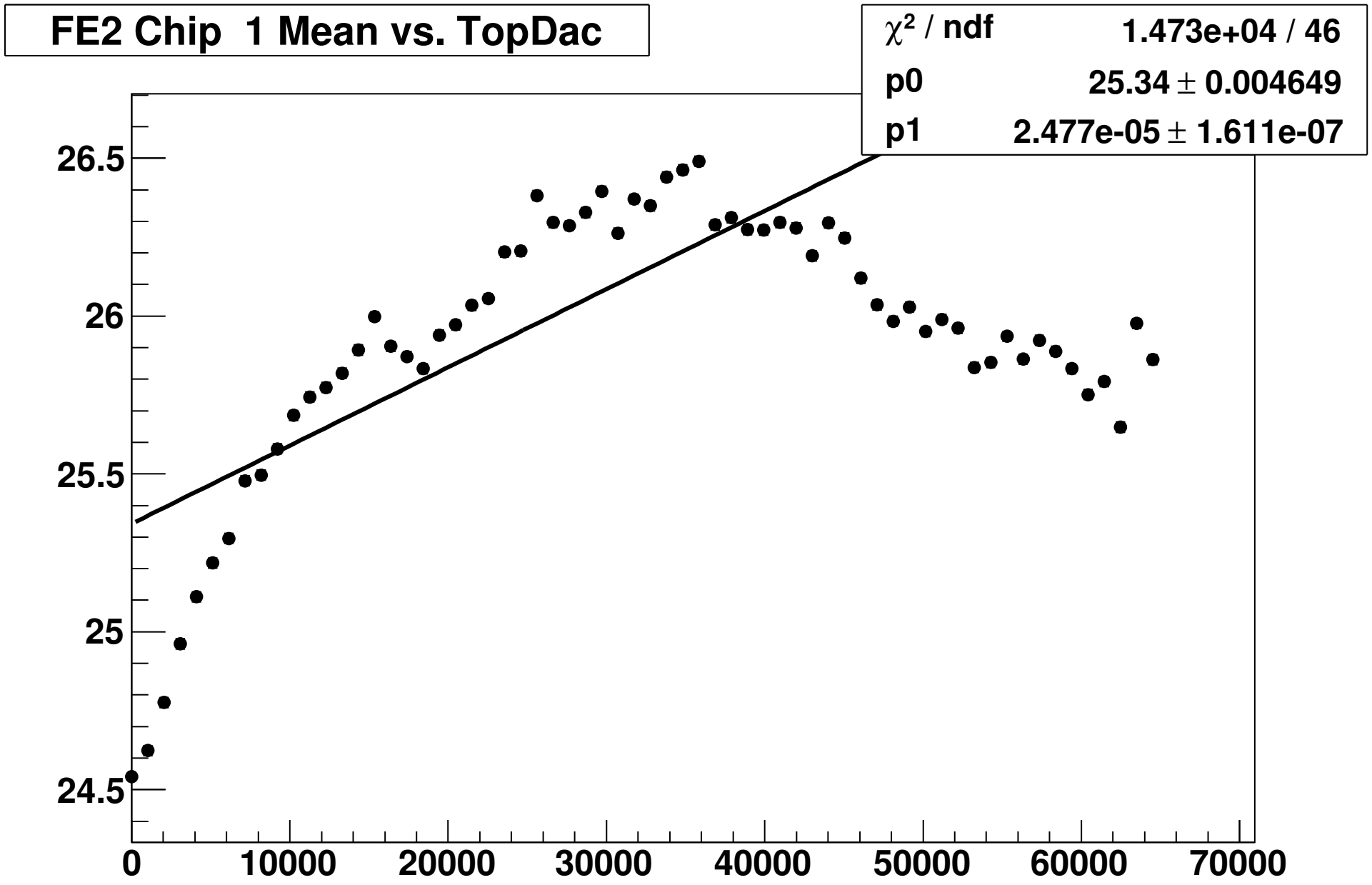
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 1.473e+04 / 46
p0 25.34 ± 0.004649
p1 2.477e-05 ± 1.611e-07
26.5
26
25.5
25
24.5
0
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50000
60000
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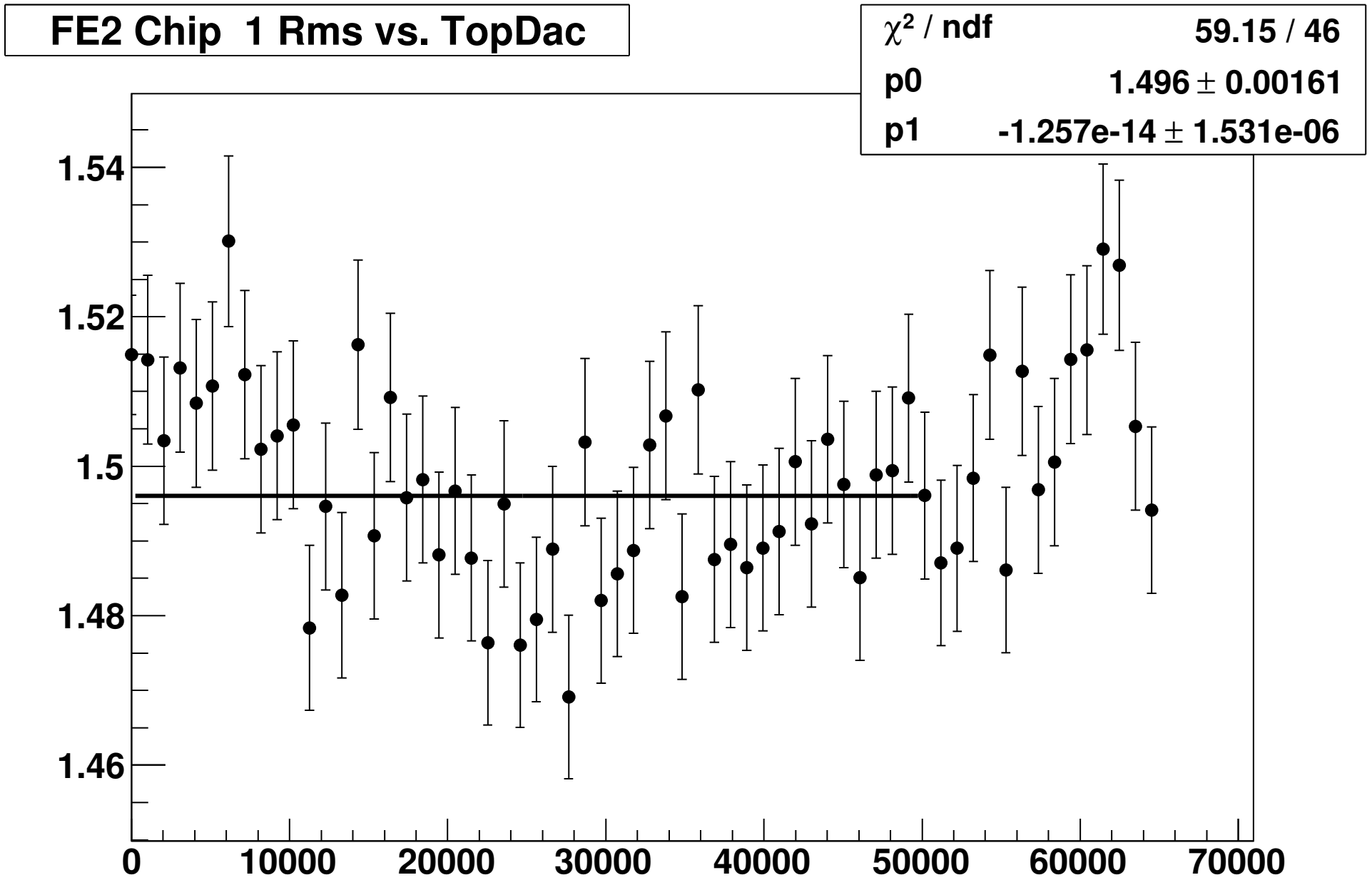
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 59.15 / 46
p0 1.496 ± 0.00161
p1 -1.257e-14 ± 1.531e-06
1.54
1.52
1.5
1.48
1.46
0
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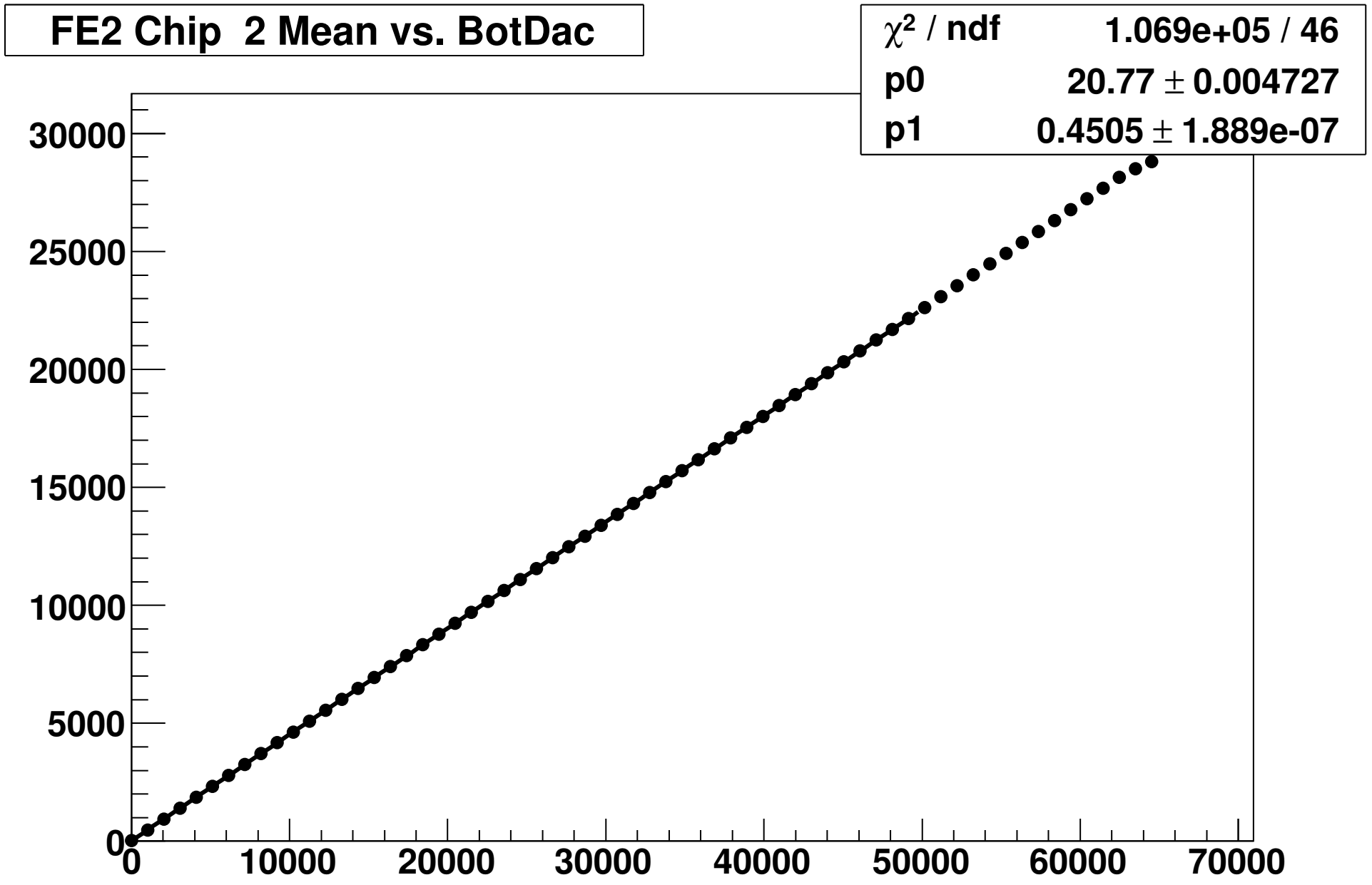
60000
70000


FE2 Chip 2 Mean vs. BotDac
χ² / ndf 1.069e+05 / 46
p0 20.77 ± 0.004727
p1 0.4505 ± 1.889e-07
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20000
15000
10000
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0
0
10000
20000
30000
40000
50000
60000
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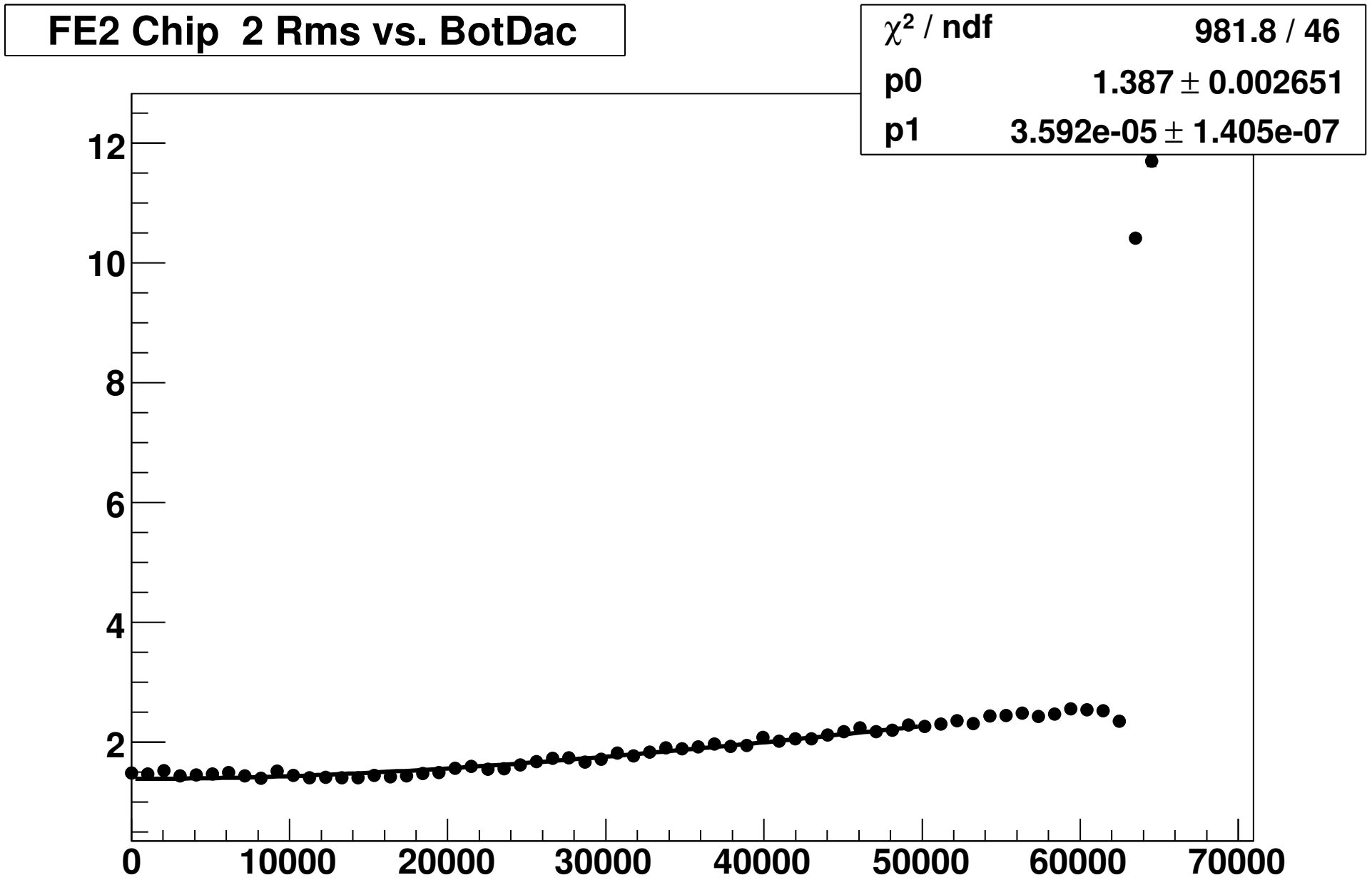
FE2 Chip 2 Rms vs. BotDac
χ² / ndf 981.8 / 46
p0 1.387 ± 0.002651
p1 3.592e-05 ± 1.405e-07
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10
8
6
4
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40000
50000
60000
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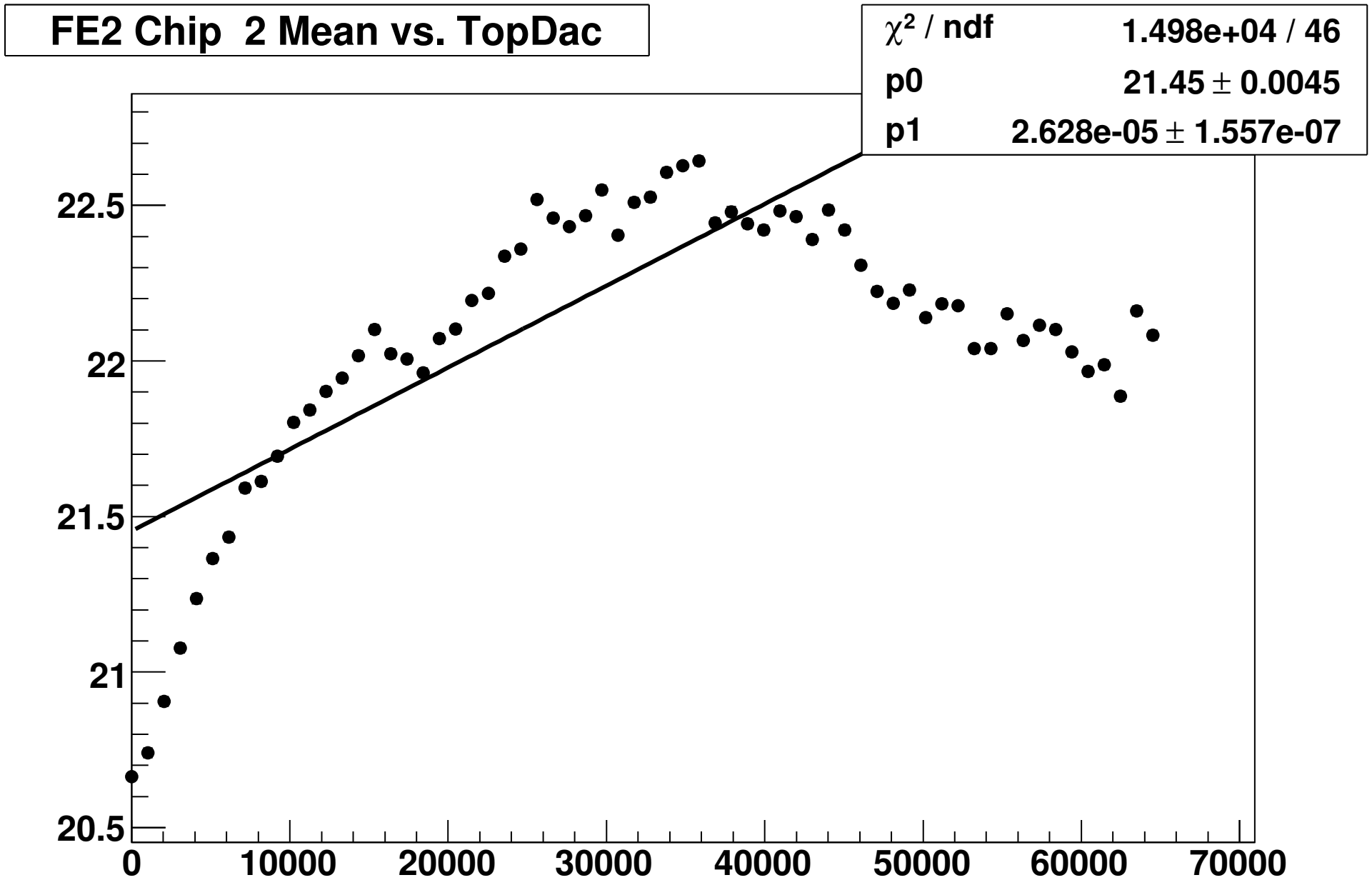
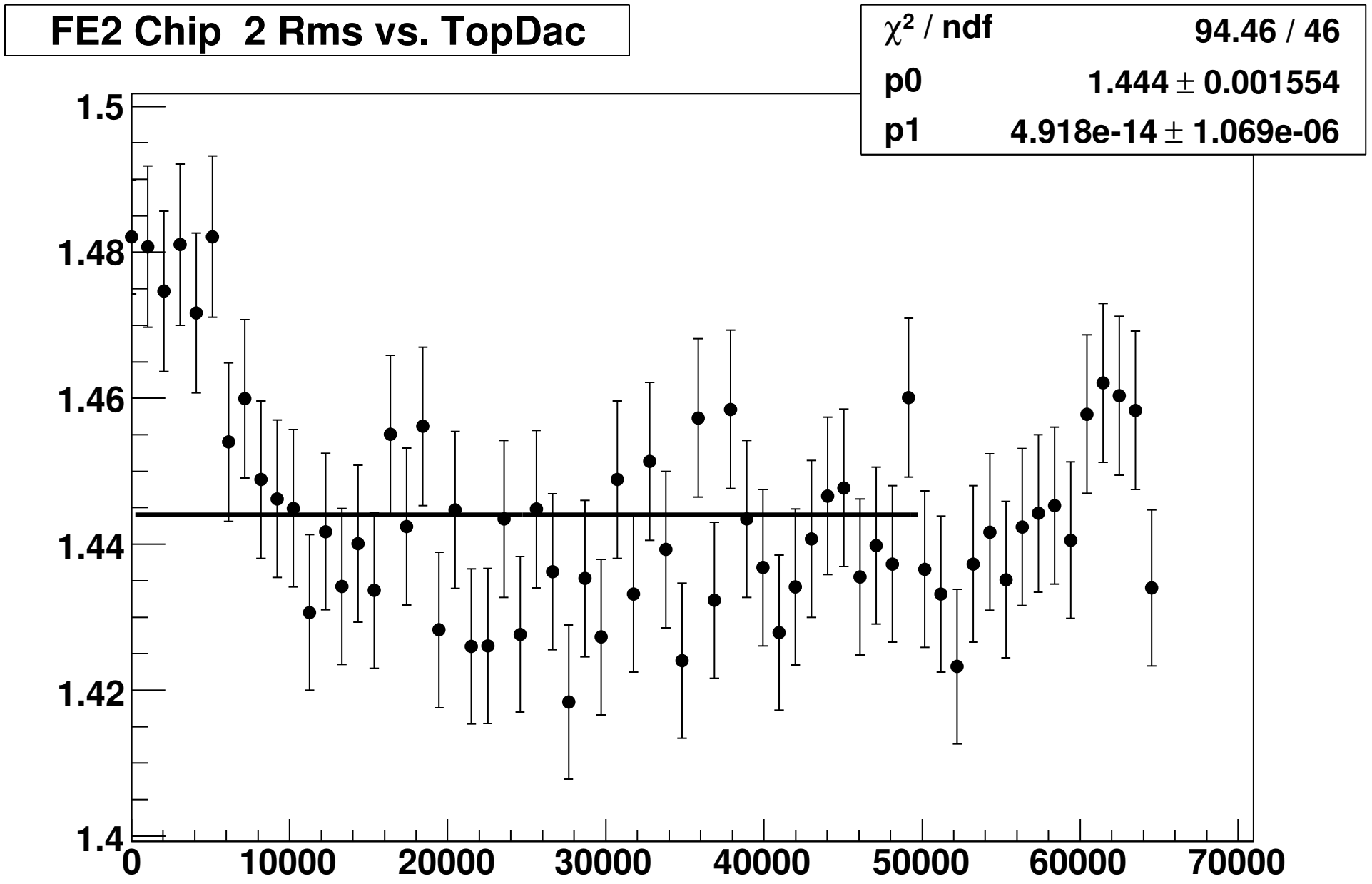

FE2 Chip 2 Mean vs. TopDac
χ² / ndf 1.498e+04 / 46
p0 21.45 ± 0.0045
p1 2.628e-05 ± 1.557e-07
22.5
22
21.5
21
20.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 94.46 / 46
p0 1.444 ± 0.001554
p1 4.918e-14 ± 1.069e-06
1.5
1.48
1.46
1.44
1.42
1.4
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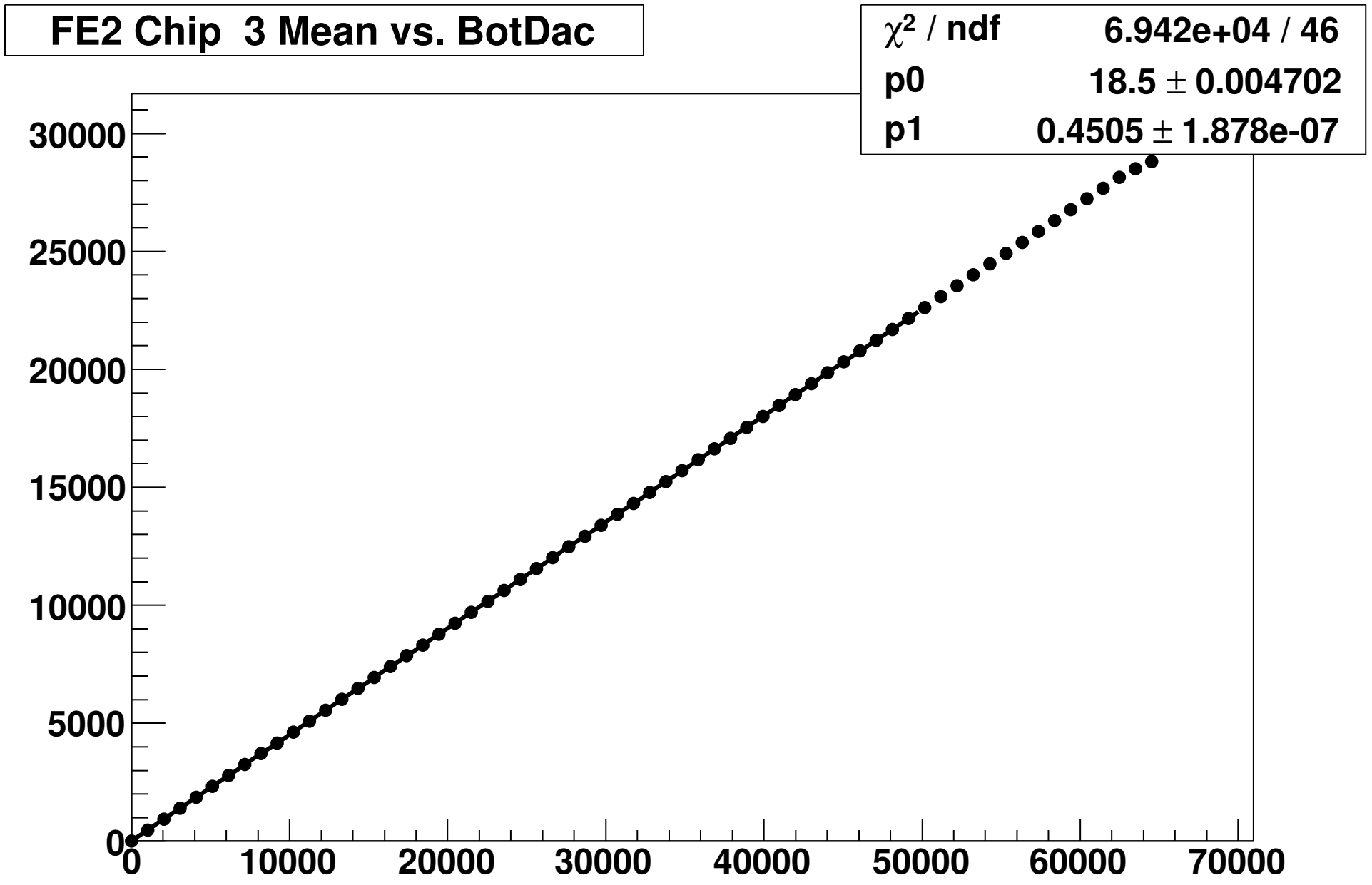
FE2 Chip 3 Mean vs. BotDac
χ² / ndf 6.942e+04 / 46
p0 18.5 ± 0.004702
p1 0.4505 ± 1.878e-07
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25000
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15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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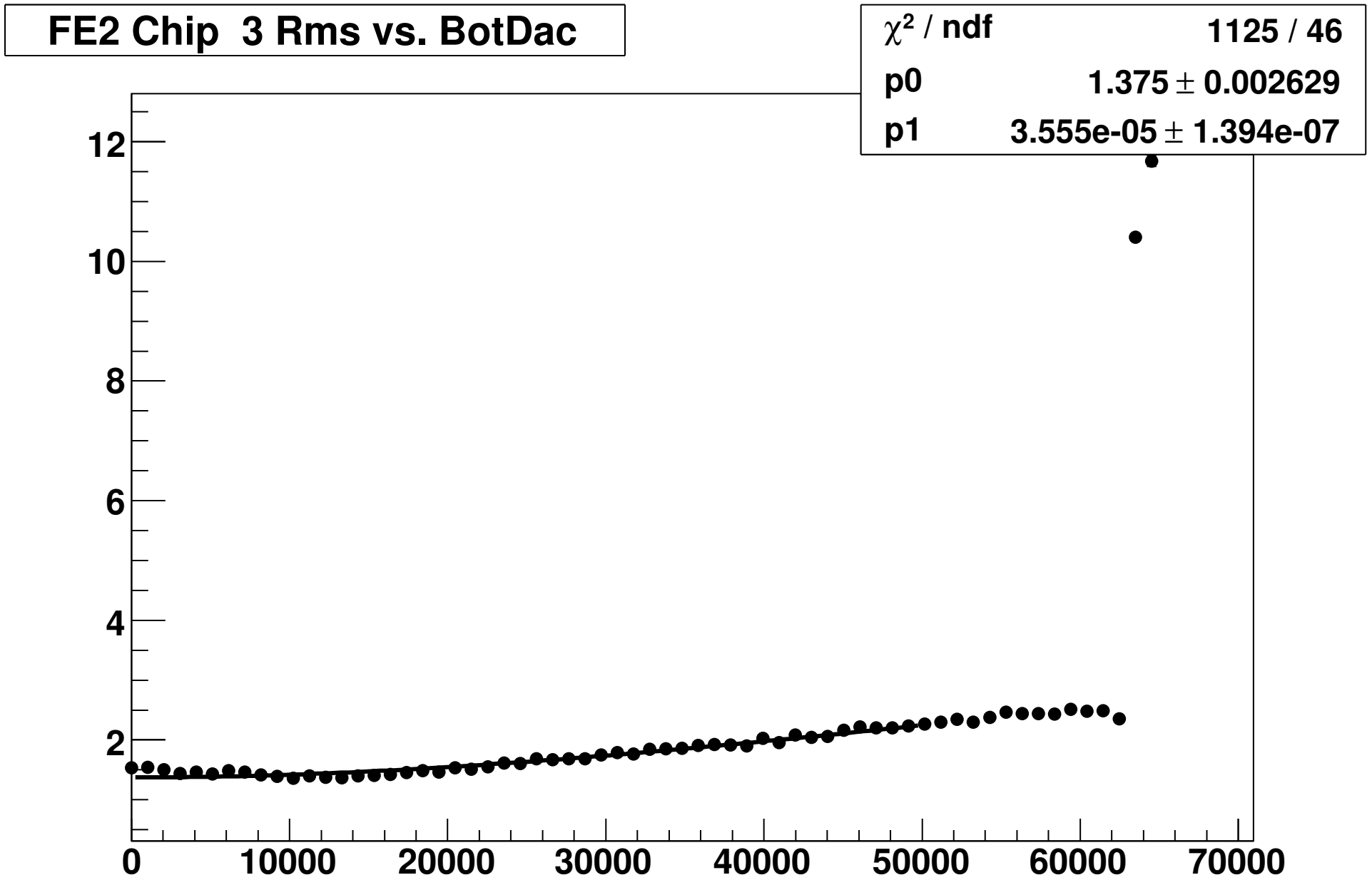
FE2 Chip 3 Rms vs. BotDac
χ² / ndf 1125 / 46
p0 1.375 ± 0.002629
p1 3.555e-05 ± 1.394e-07
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10
8
6
4
2
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30000
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60000
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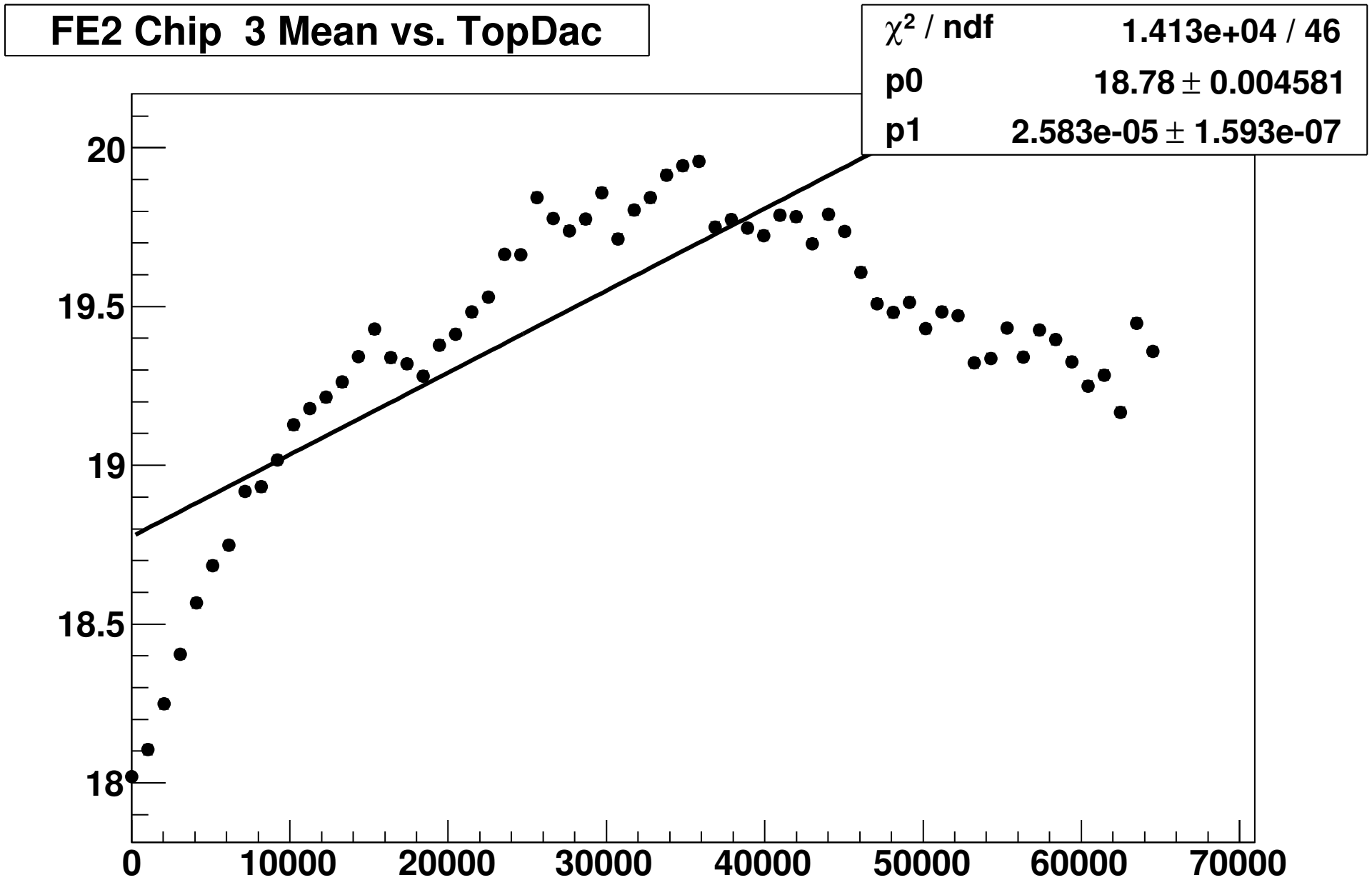
FE2 Chip 3 Mean vs. TopDac
χ² / ndf 1.413e+04 / 46
p0 18.78 ± 0.004581
p1 2.583e-05 ± 1.593e-07
20
19.5
19
18.5
18
0
10000
20000
30000
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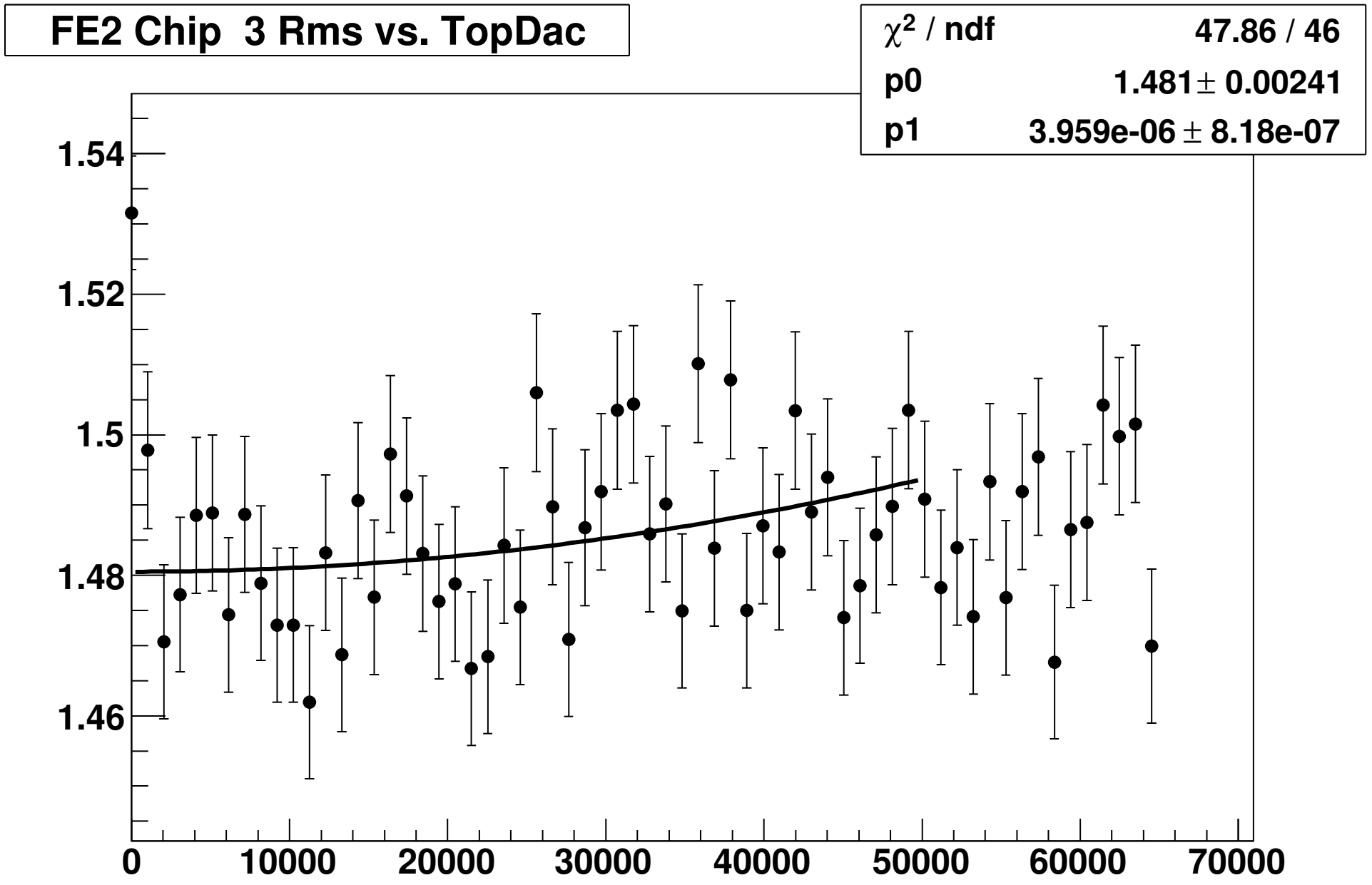
50000
60000
70000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 47.86 / 46
p0 1.481 ± 0.00241
p1 3.959e-06 ± 8.18e-07
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1.52
1.5
1.48
1.46
0
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20000
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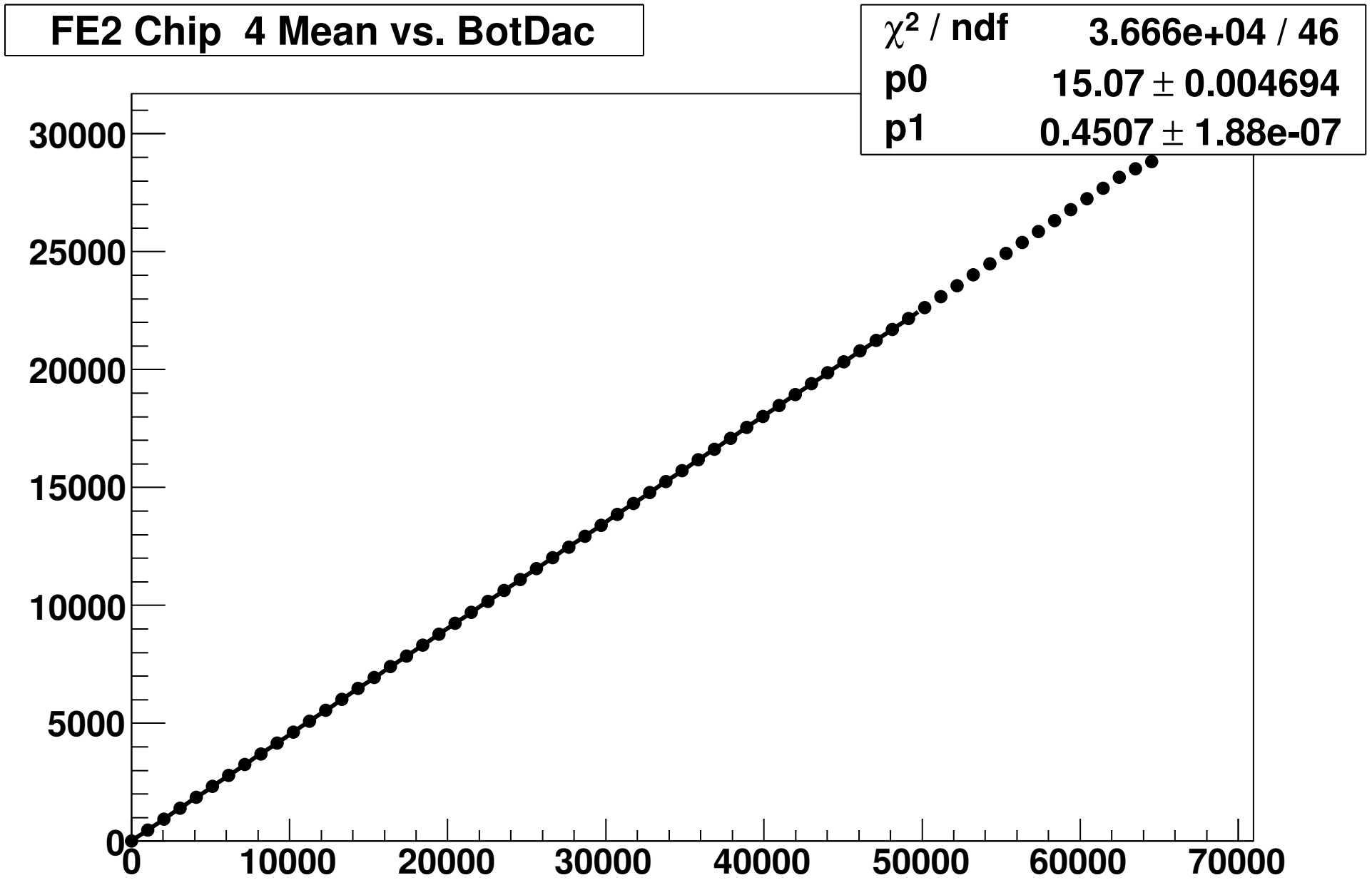
50000
60000
70000


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 3.666e+04 / 46
p0 15.07 ± 0.004694
p1 0.4507 ± 1.88e-07
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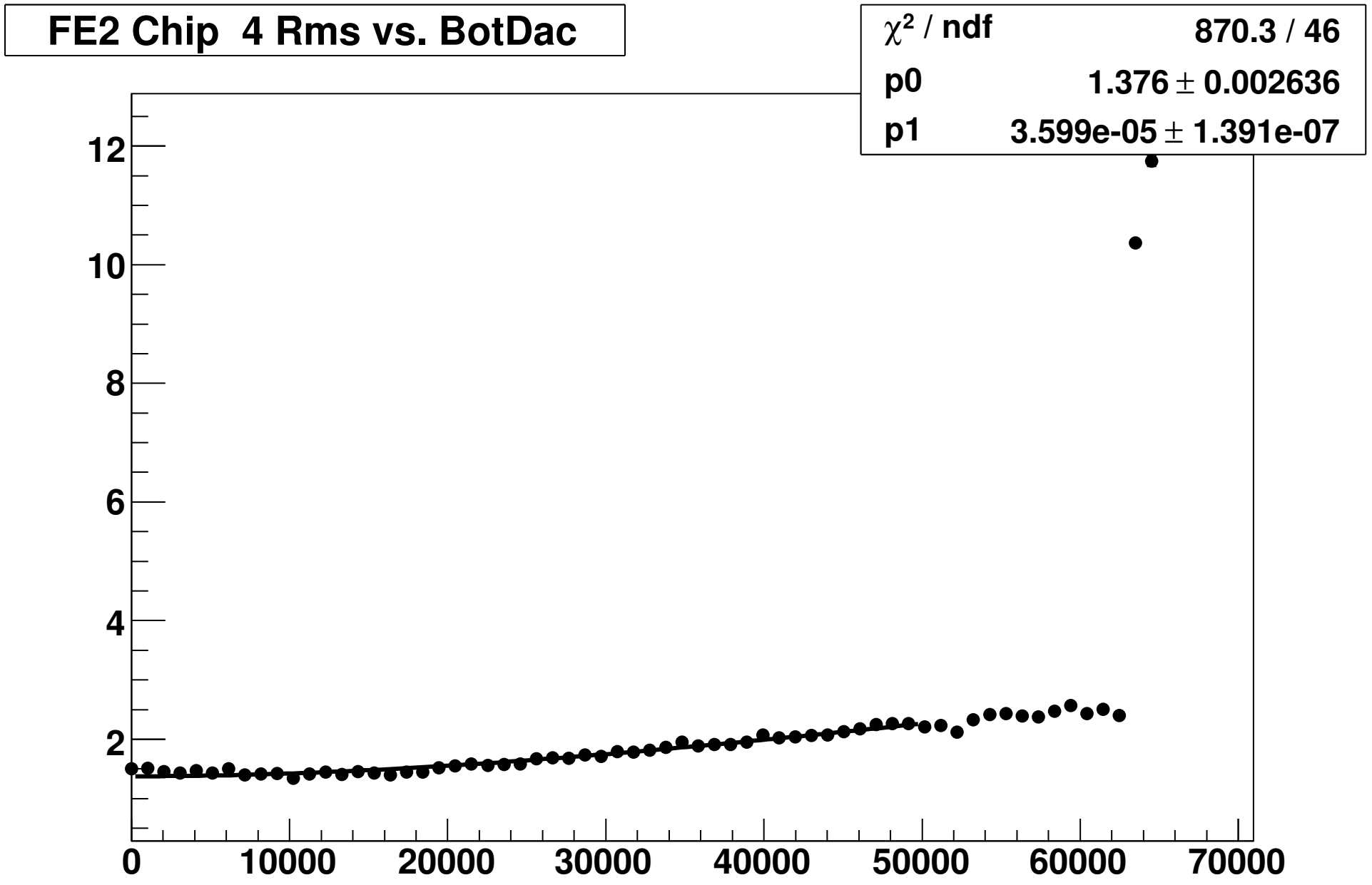
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 870.3 / 46
p0 1.376 ± 0.002636
p1 3.599e-05 ± 1.391e-07
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10
8
6
4
2
0
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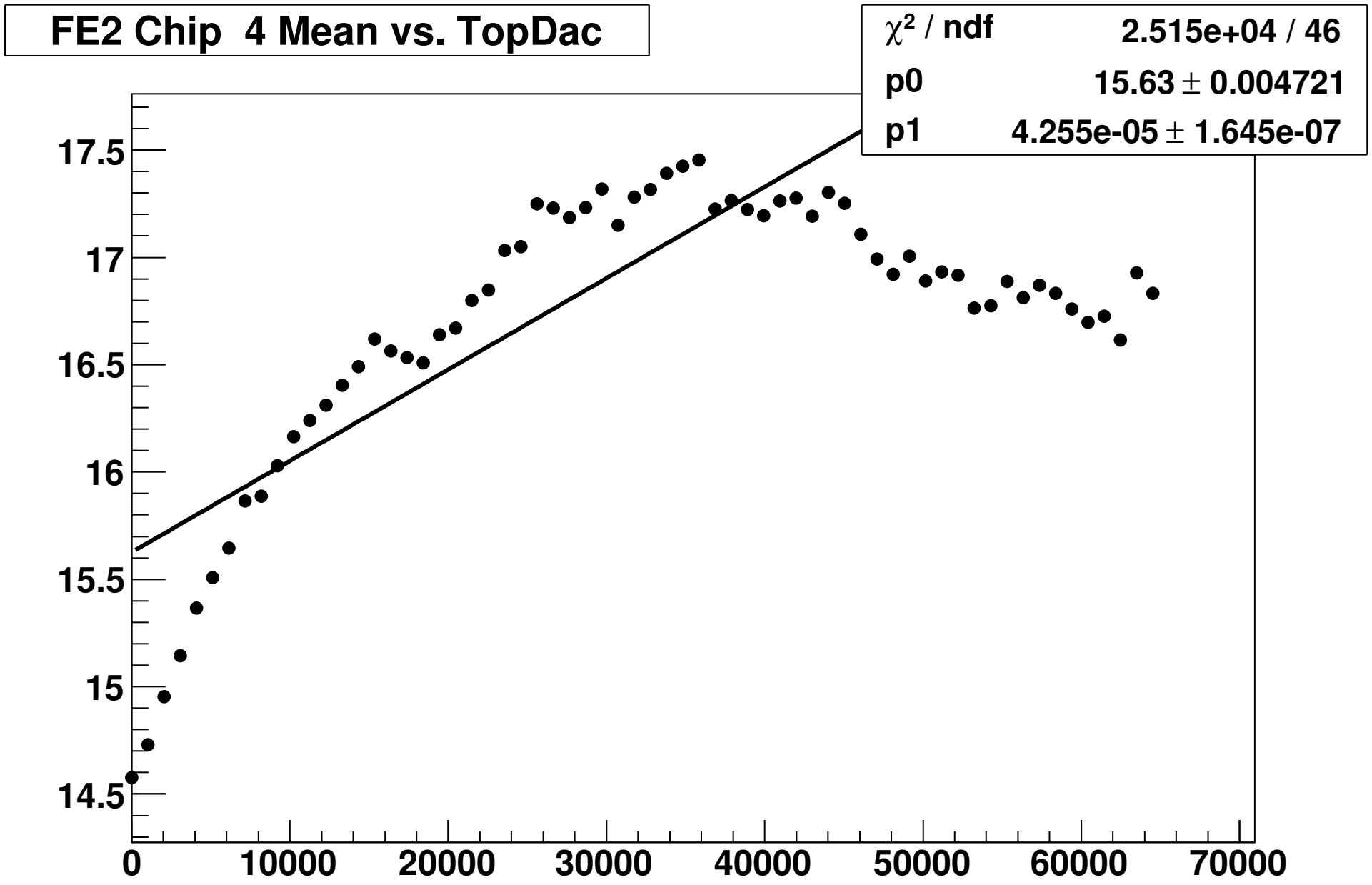
FE2 Chip 4 Mean vs. TopDac
χ² / ndf 2.515e+04 / 46
p0 15.63 ± 0.004721
p1 4.255e-05 ± 1.645e-07
17.5
17
16.5
16
15.5
15
14.5
0
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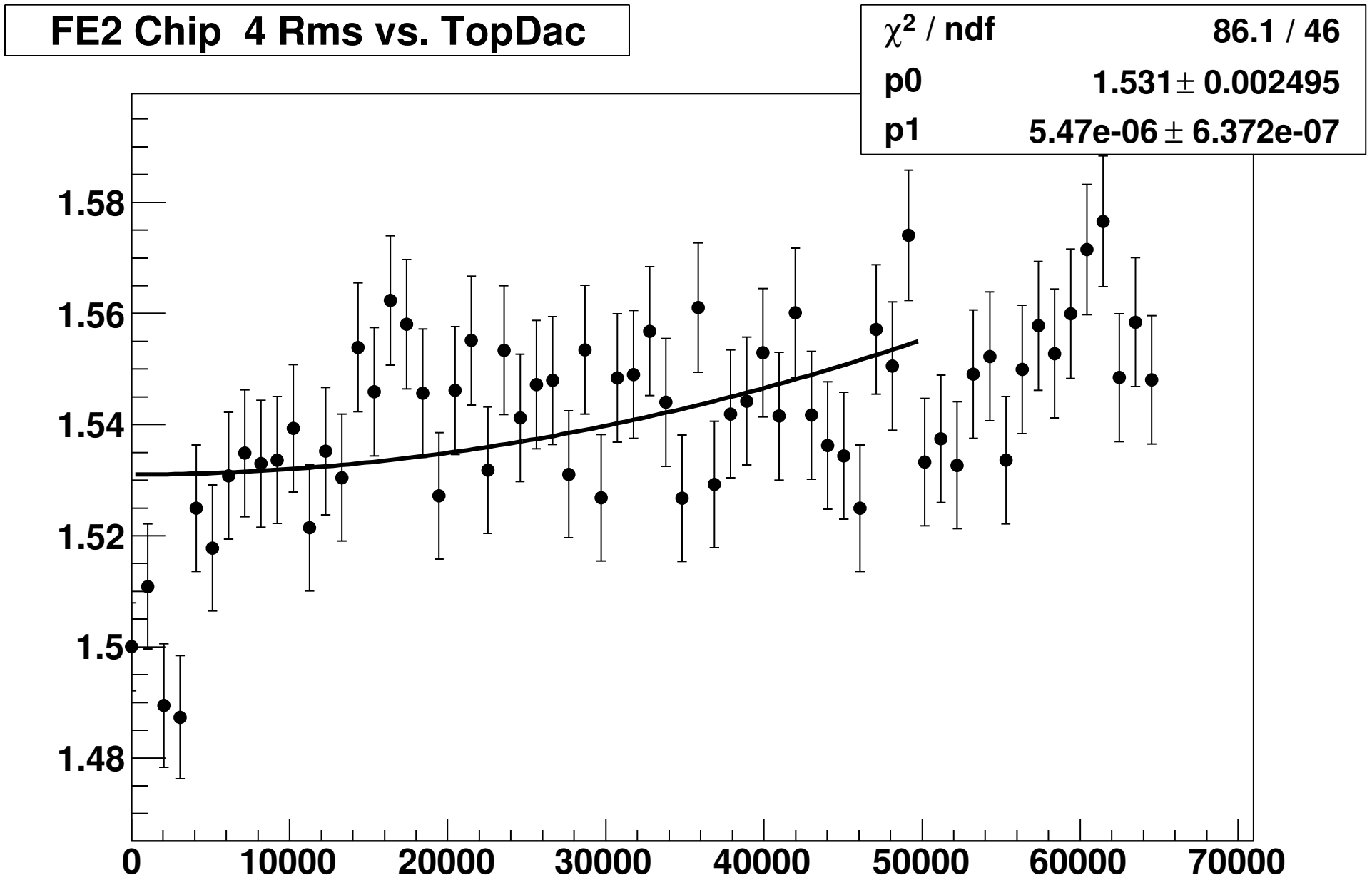
FE2 Chip 4 Rms vs. TopDac
χ² / ndf 86.1 / 46
p0 1.531 ± 0.002495
p1 5.47e-06 ± 6.372e-07
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1.56
1.54
1.52
1.5
1.48
0
10000
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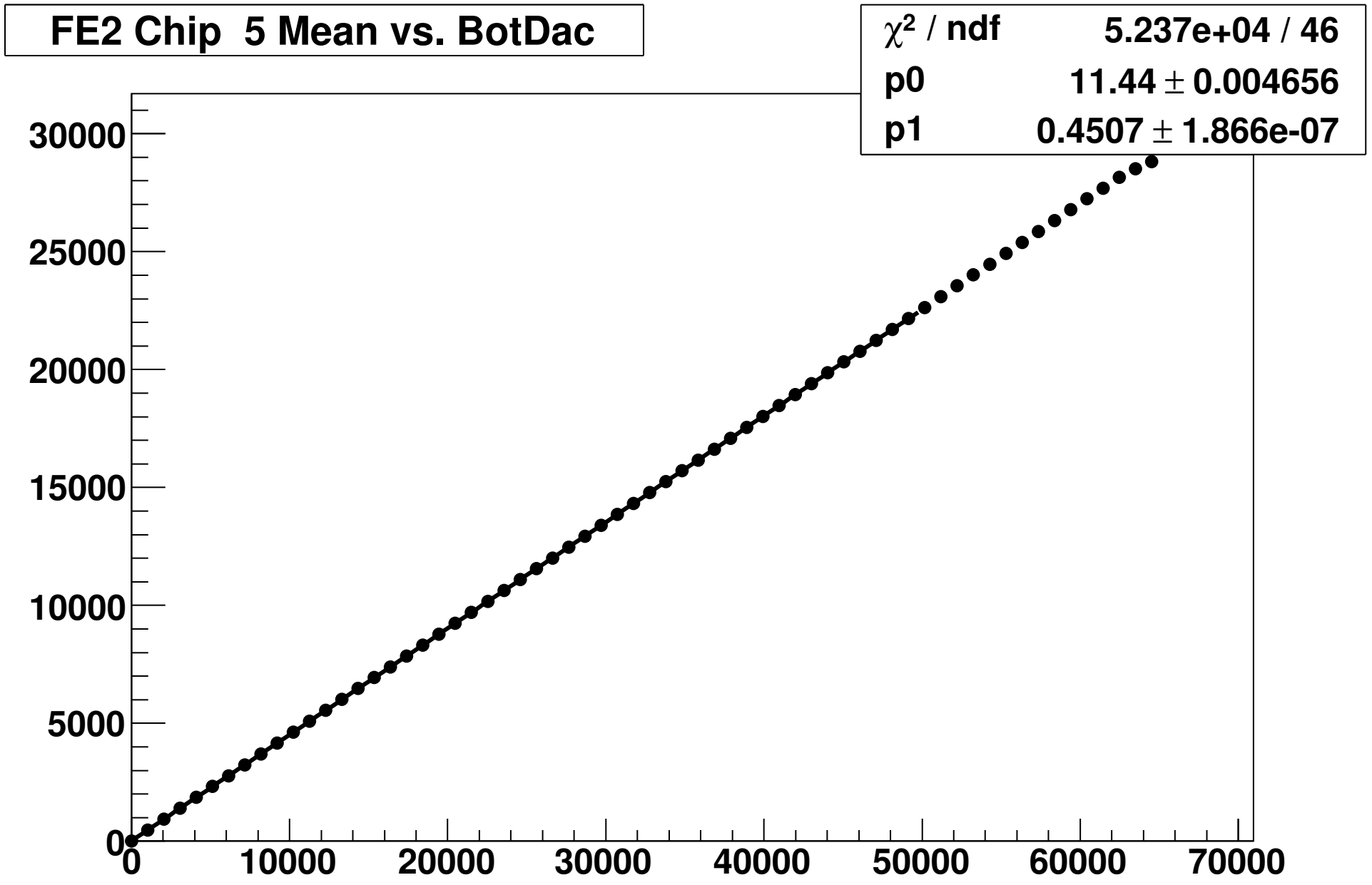
FE2 Chip 5 Mean vs. BotDac
χ² / ndf 5.237e+04 / 46
p0 11.44 ± 0.004656
p1 0.4507 ± 1.866e-07
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15000
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10000
20000
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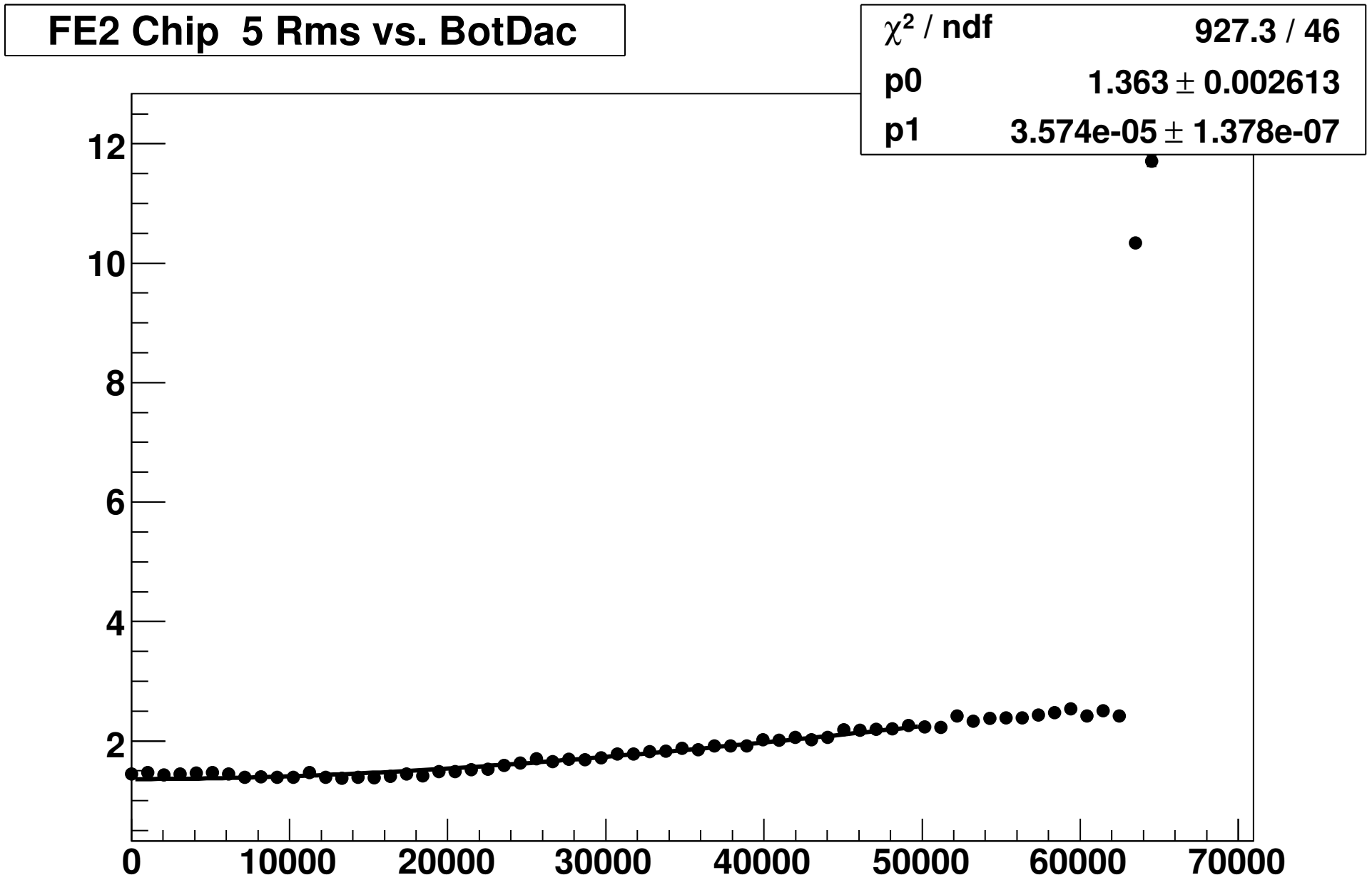
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 927.3 / 46
p0 1.363 ± 0.002613
p1 3.574e-05 ± 1.378e-07
12
10
8
6
4
2
0
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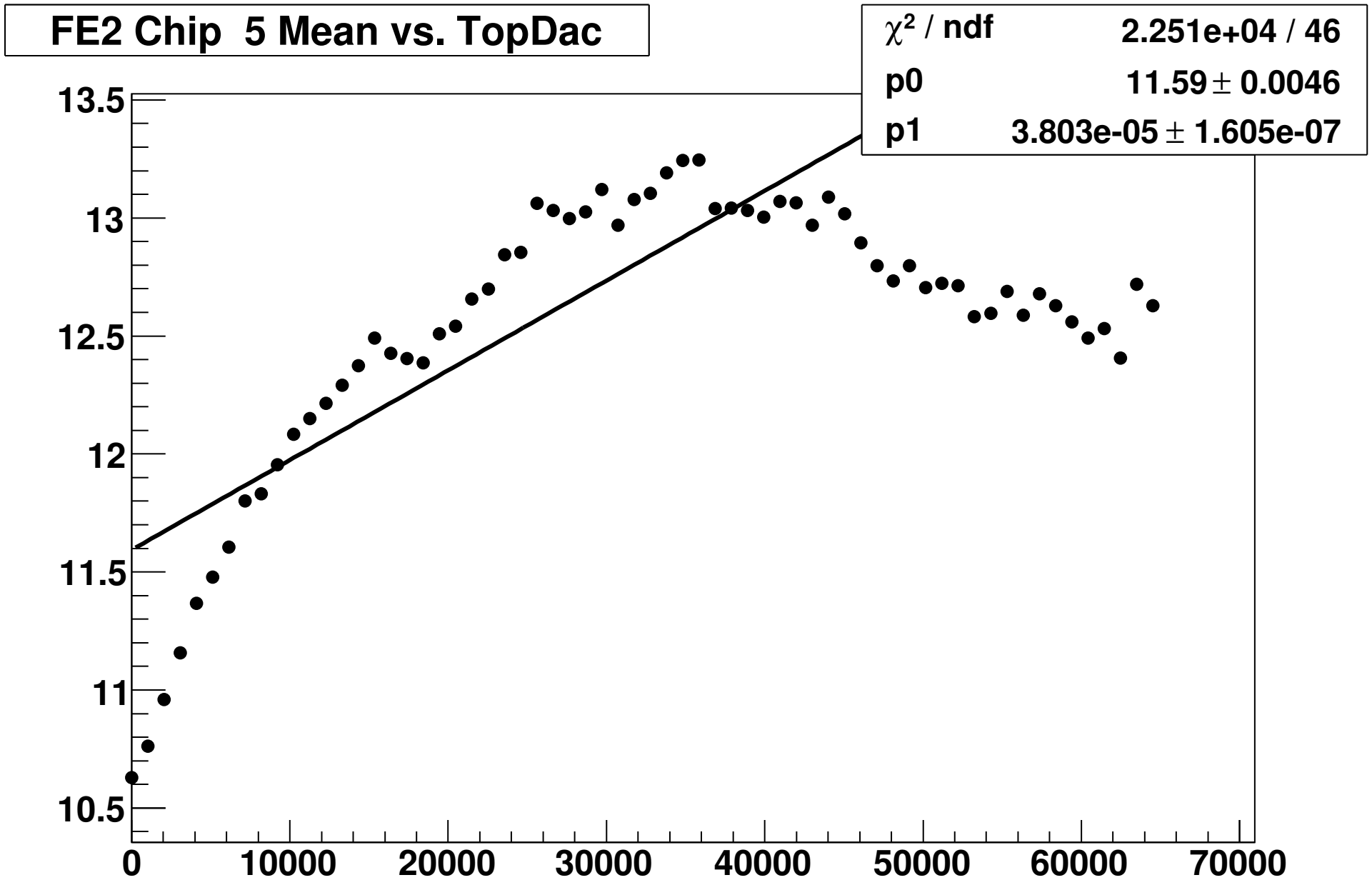
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 2.251e+04 / 46
p0 11.59 ± 0.0046
p1 3.803e-05 ± 1.605e-07
13.5
13
12.5
12
11.5
11
10.5
0
10000
20000
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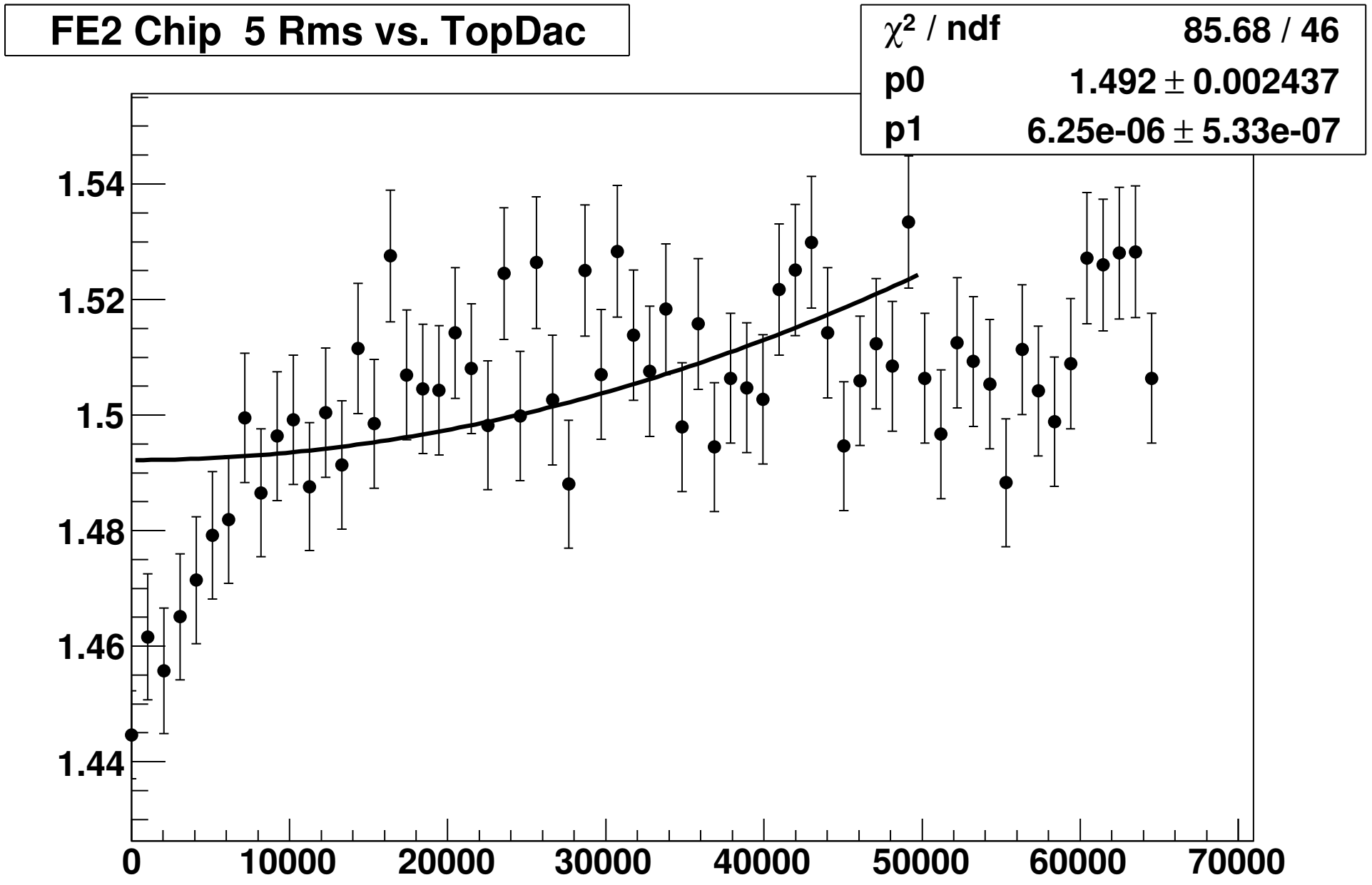
FE2 Chip 5 Rms vs. TopDac
χ² / ndf 85.68 / 46
p0 1.492 ± 0.002437
p1 6.25e-06 ± 5.33e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
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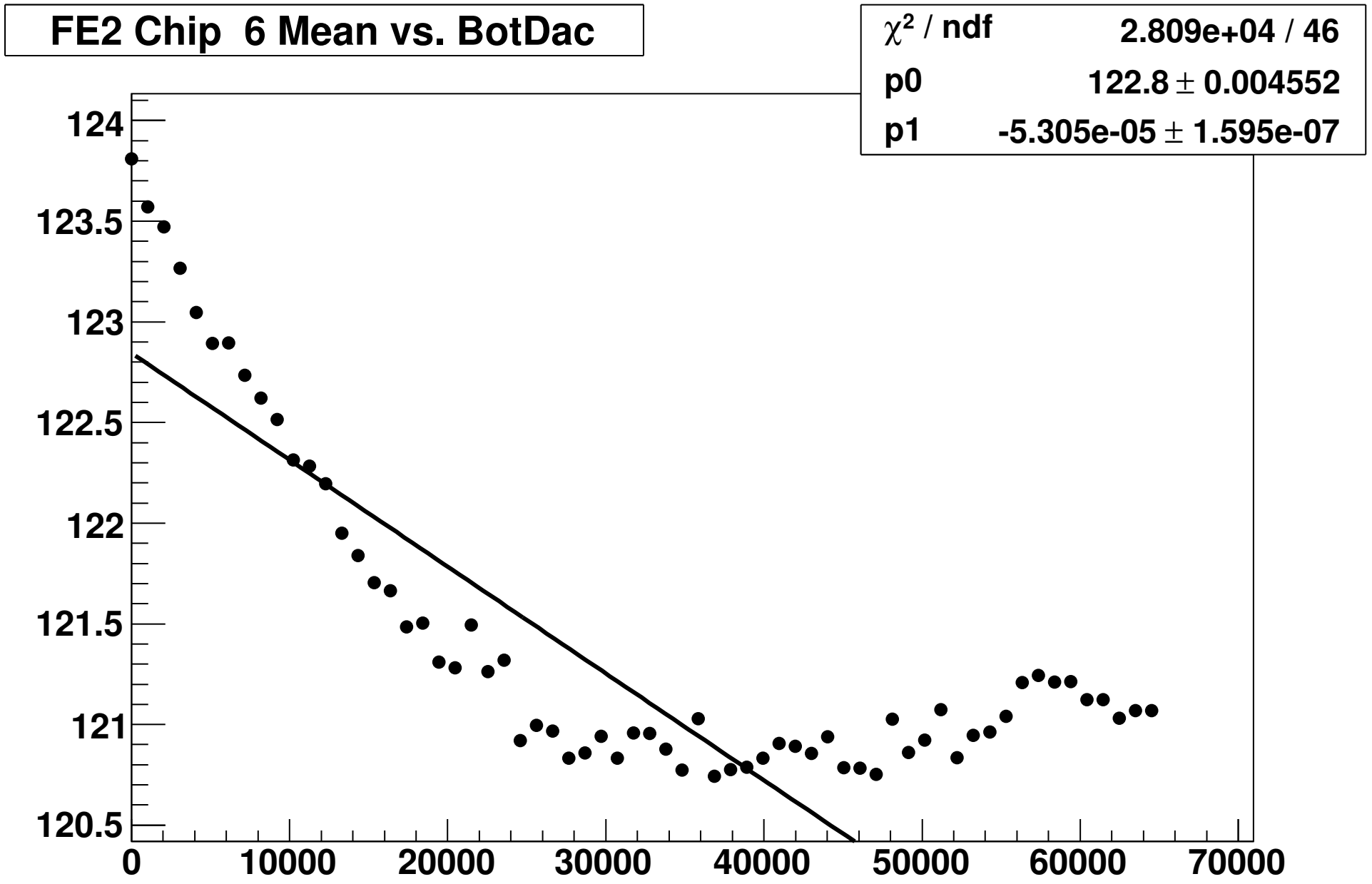
FE2 Chip 6 Mean vs. BotDac
χ² / ndf 2.809e+04 / 46
p0 122.8 ± 0.004552
p1 -5.305e-05 ± 1.595e-07
124
123.5
123
122.5
122
121.5
121
120.5
0
10000
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60000
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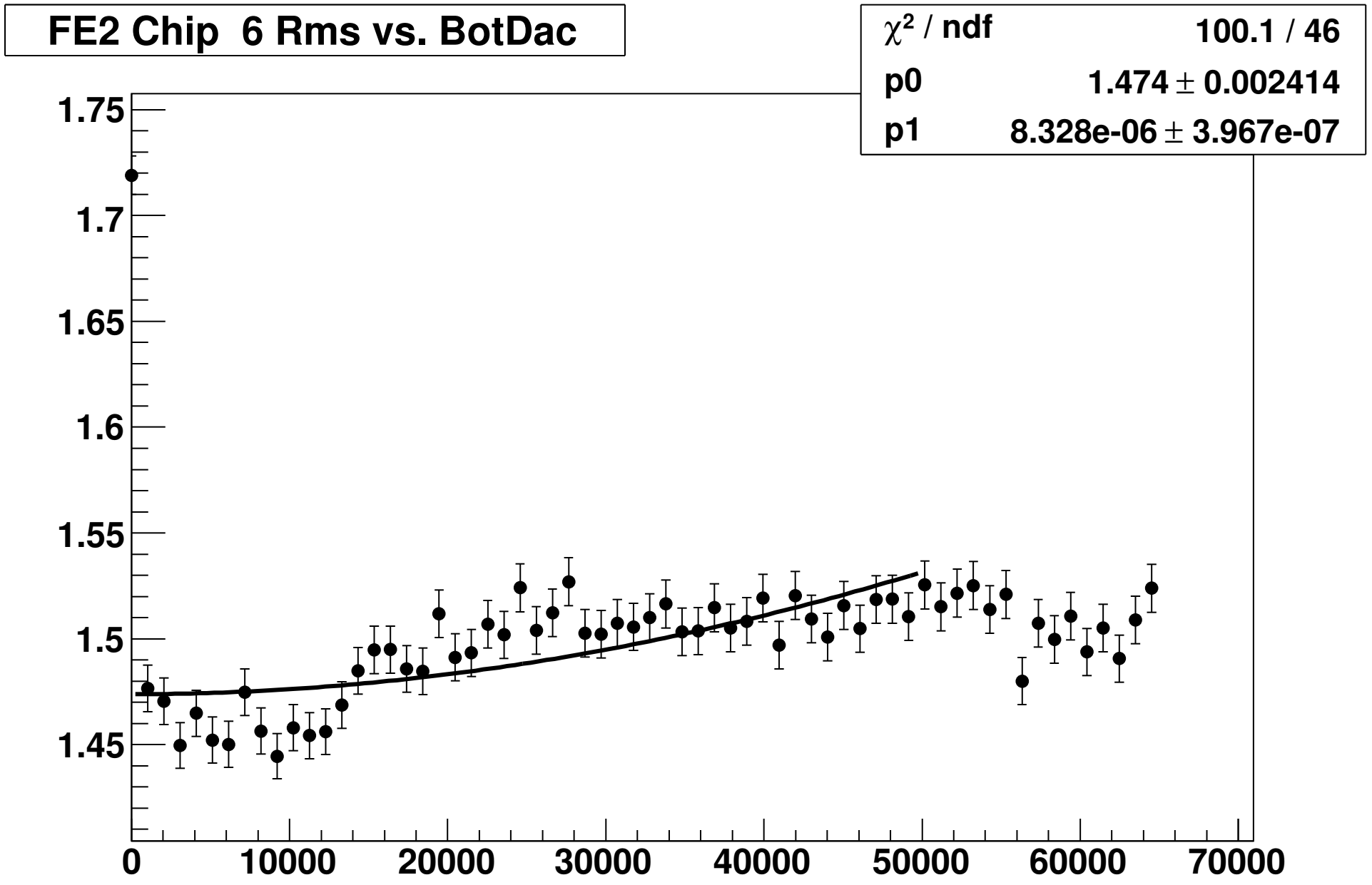
FE2 Chip 6 Rms vs. BotDac
χ² / ndf 100.1 / 46
p0 1.474 ± 0.002414
p1 8.328e-06 ± 3.967e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
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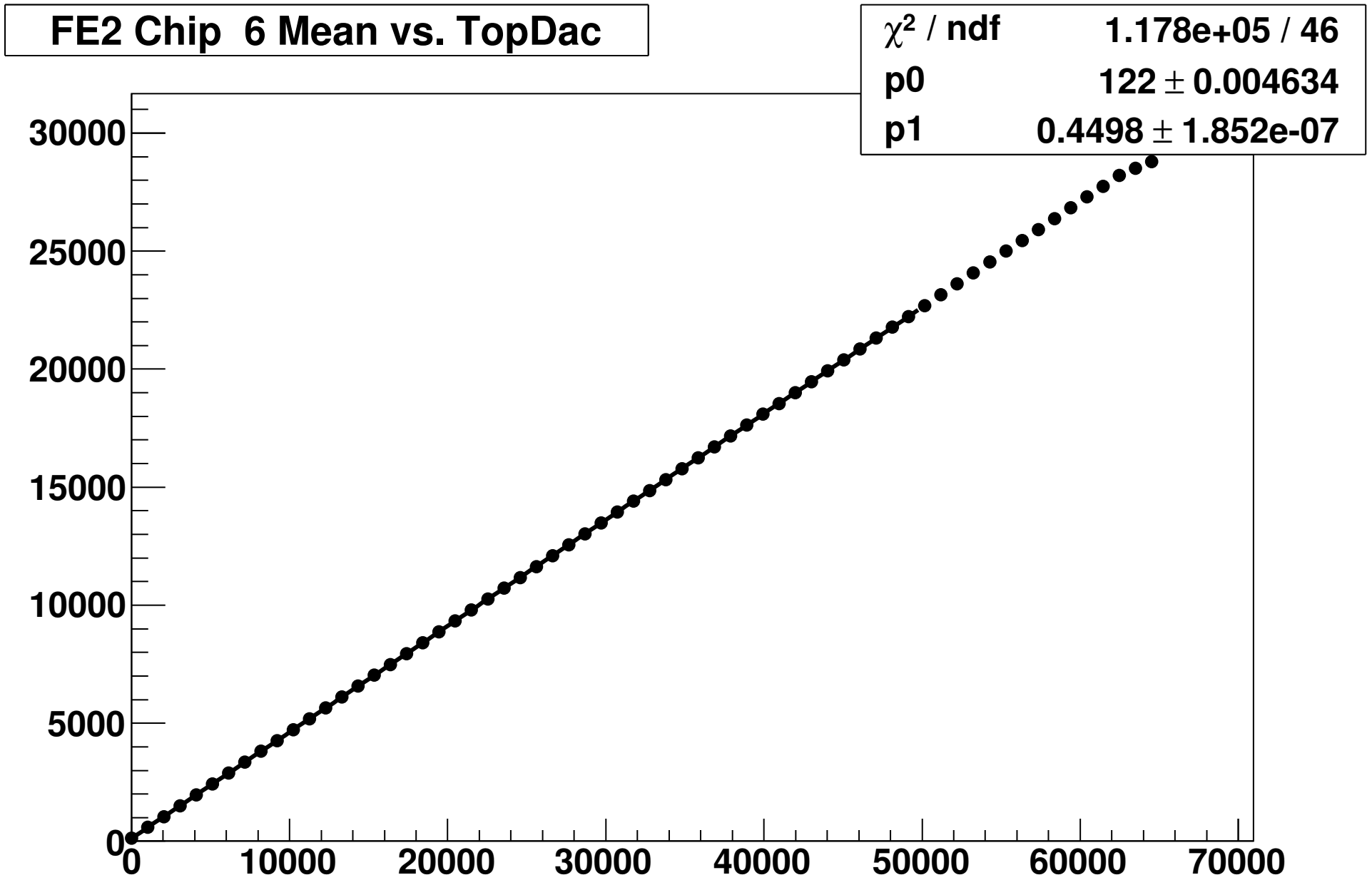
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 1.178e+05 / 46
p0 122 ± 0.004634
p1 0.4498 ± 1.852e-07
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20000
15000
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5000
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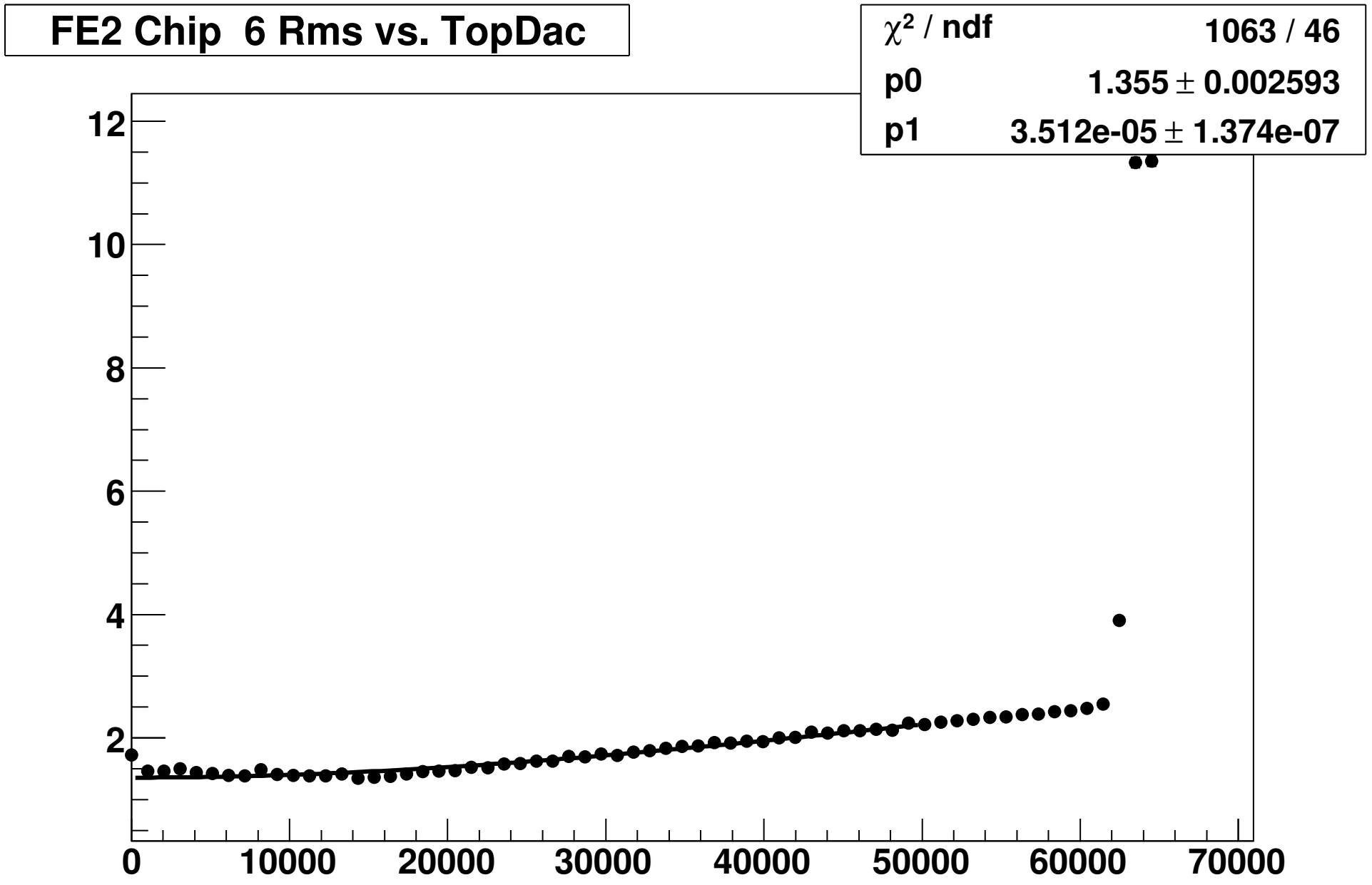
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 1063 / 46
p0 1.355 ± 0.002593
p1 3.512e-05 ± 1.374e-07
12
10
8
6
4
2
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20000
30000
40000
50000
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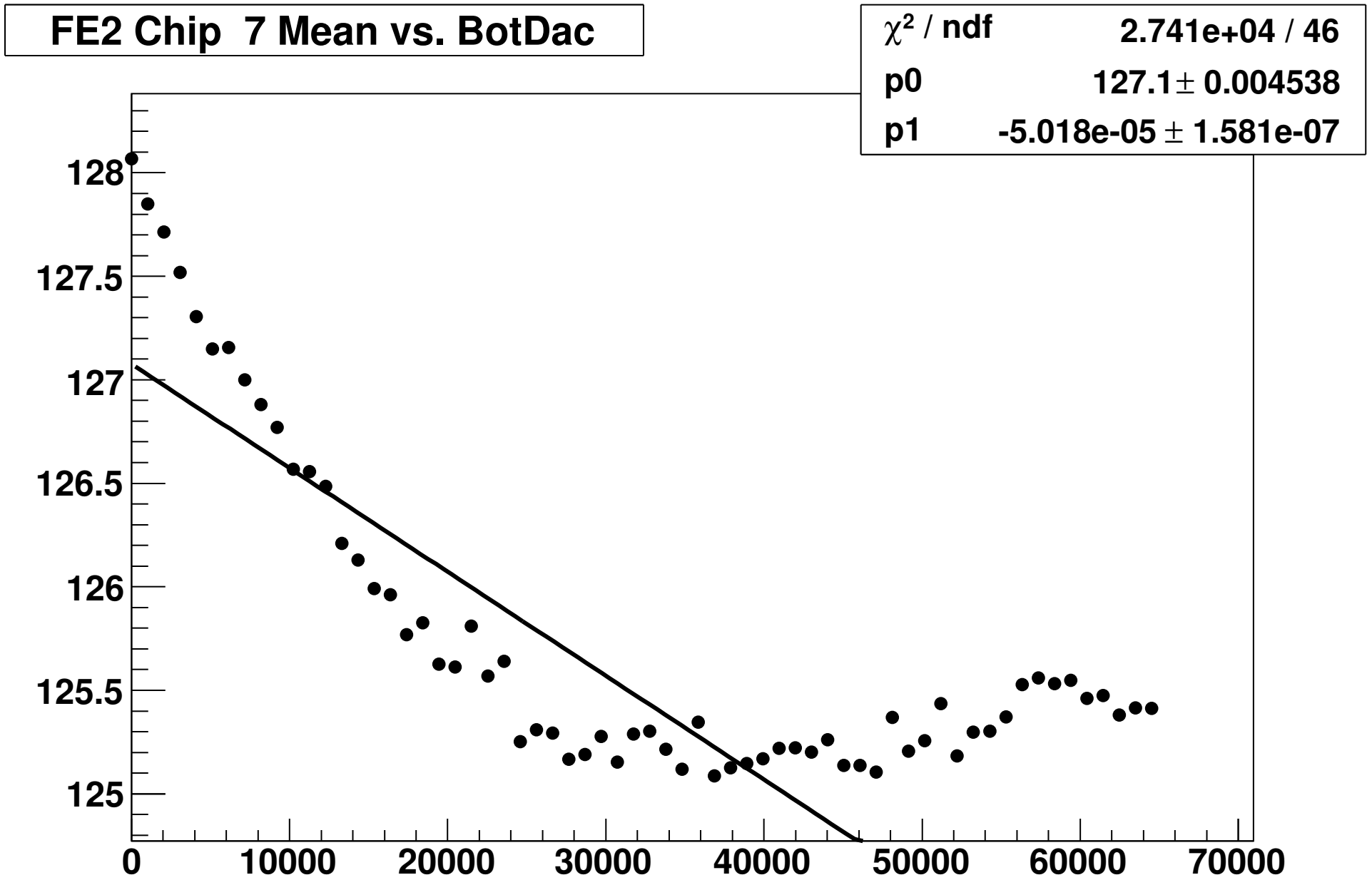
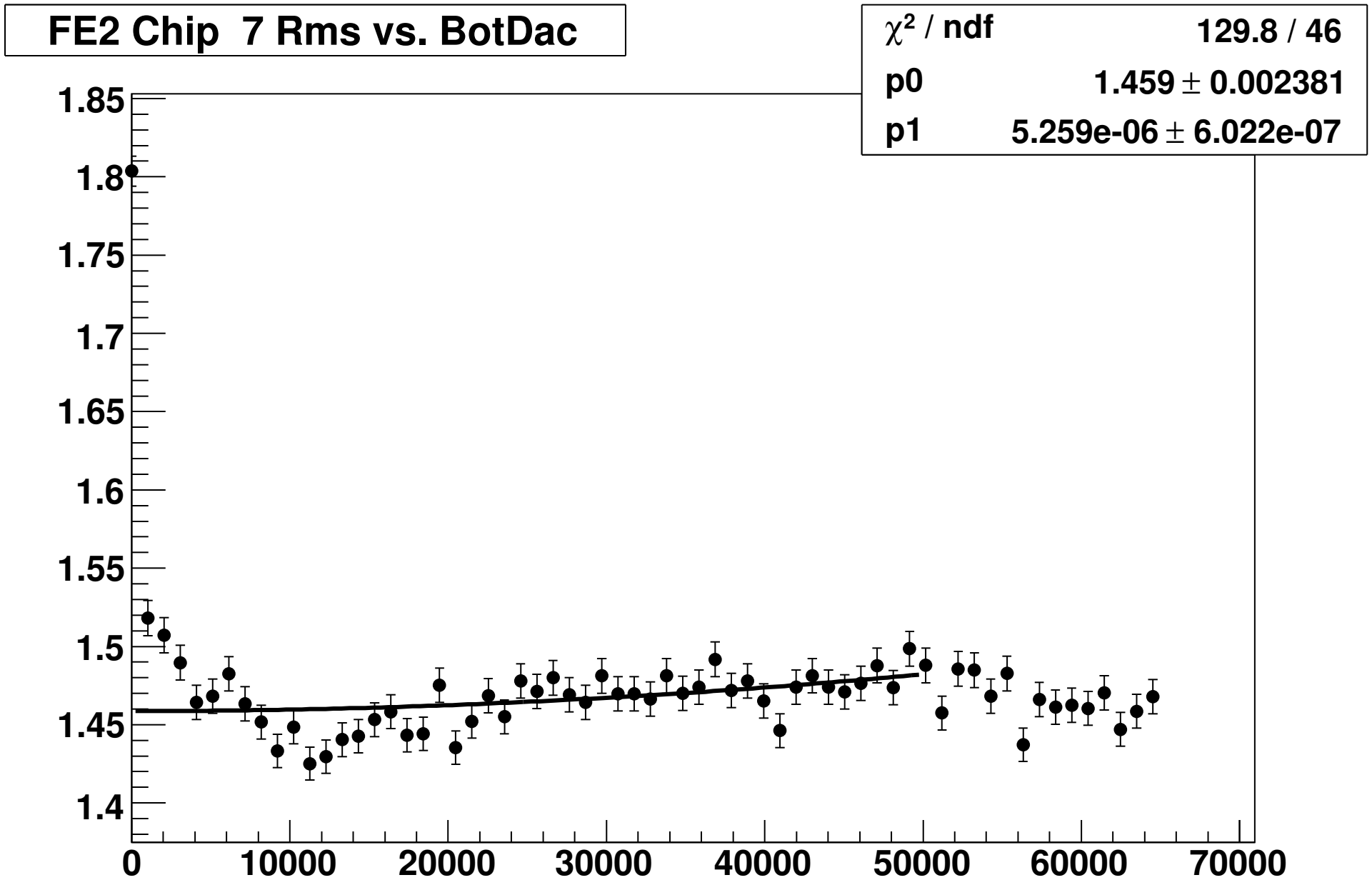
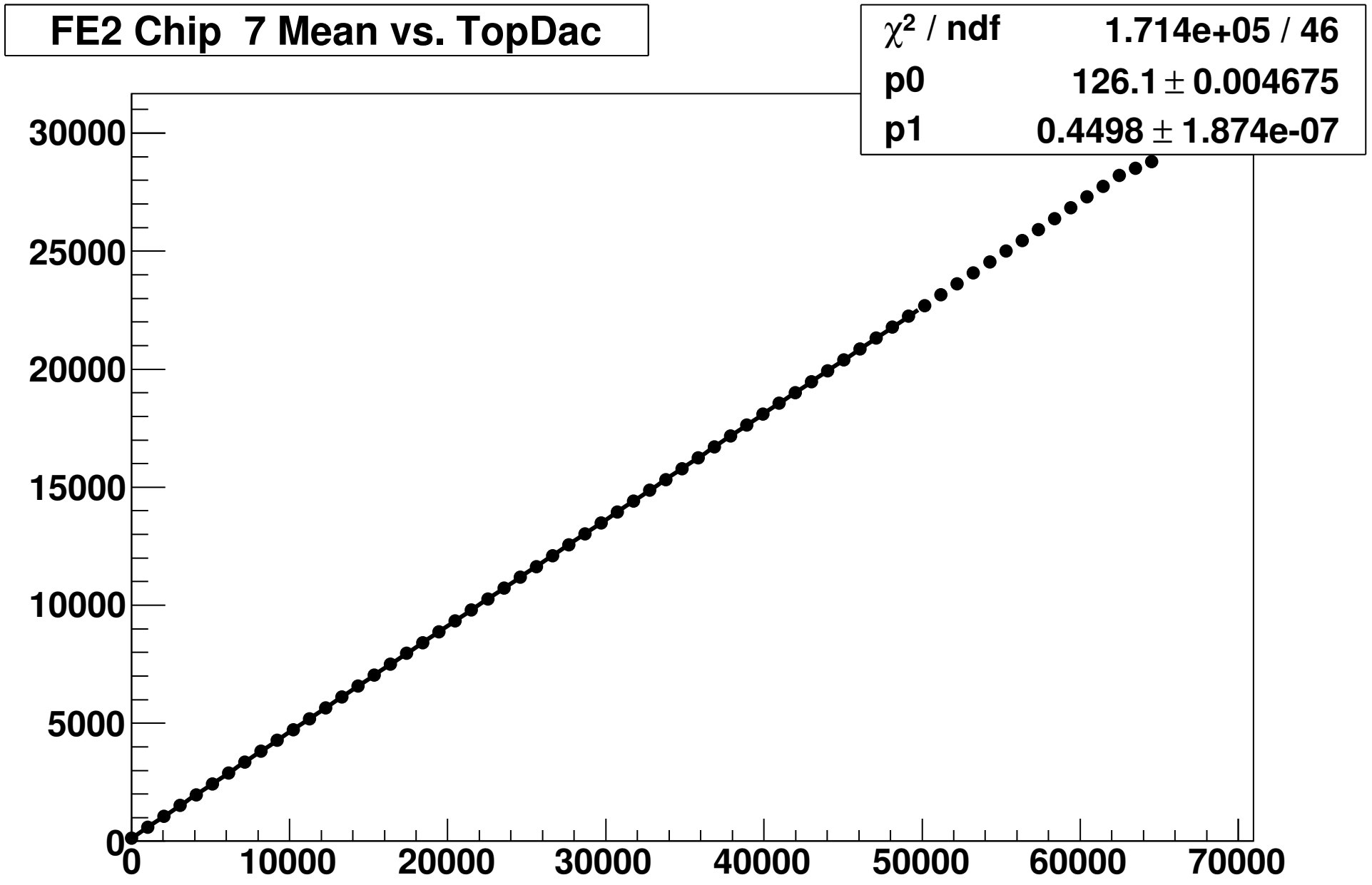

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 2.741e+04 / 46
p0 127.1 ± 0.004538
p1 -5.018e-05 ± 1.581e-07
128
127.5
127
126.5
126
125.5
125
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 129.8 / 46
p0 1.459 ± 0.002381
p1 5.259e-06 ± 6.022e-07
1.85
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 1.714e+05 / 46
p0 126.1 ± 0.004675
p1 0.4498 ± 1.874e-07
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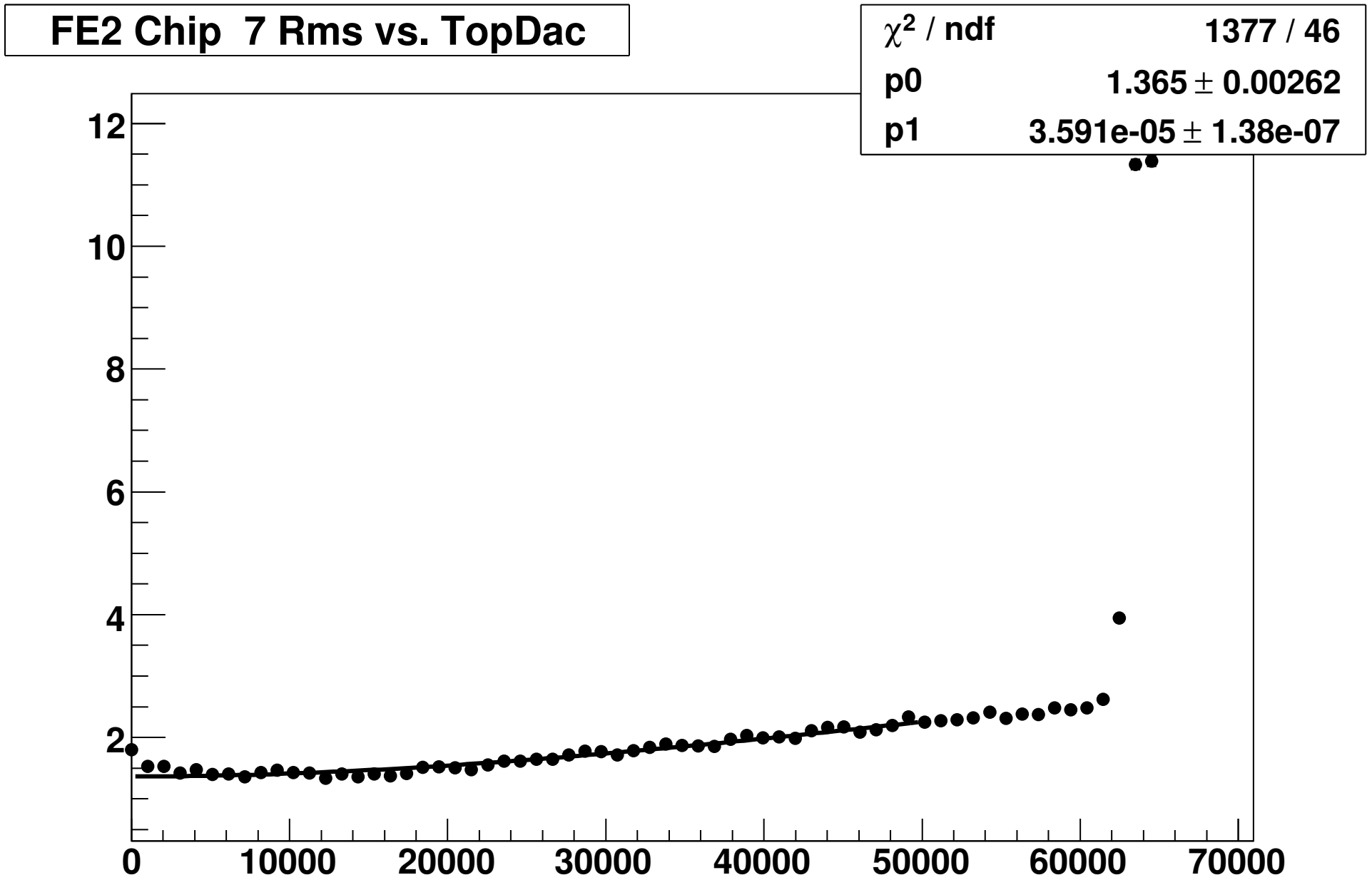
FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1377 / 46
p0 1.365 ± 0.00262
p1 3.591e-05 ± 1.38e-07
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10
8
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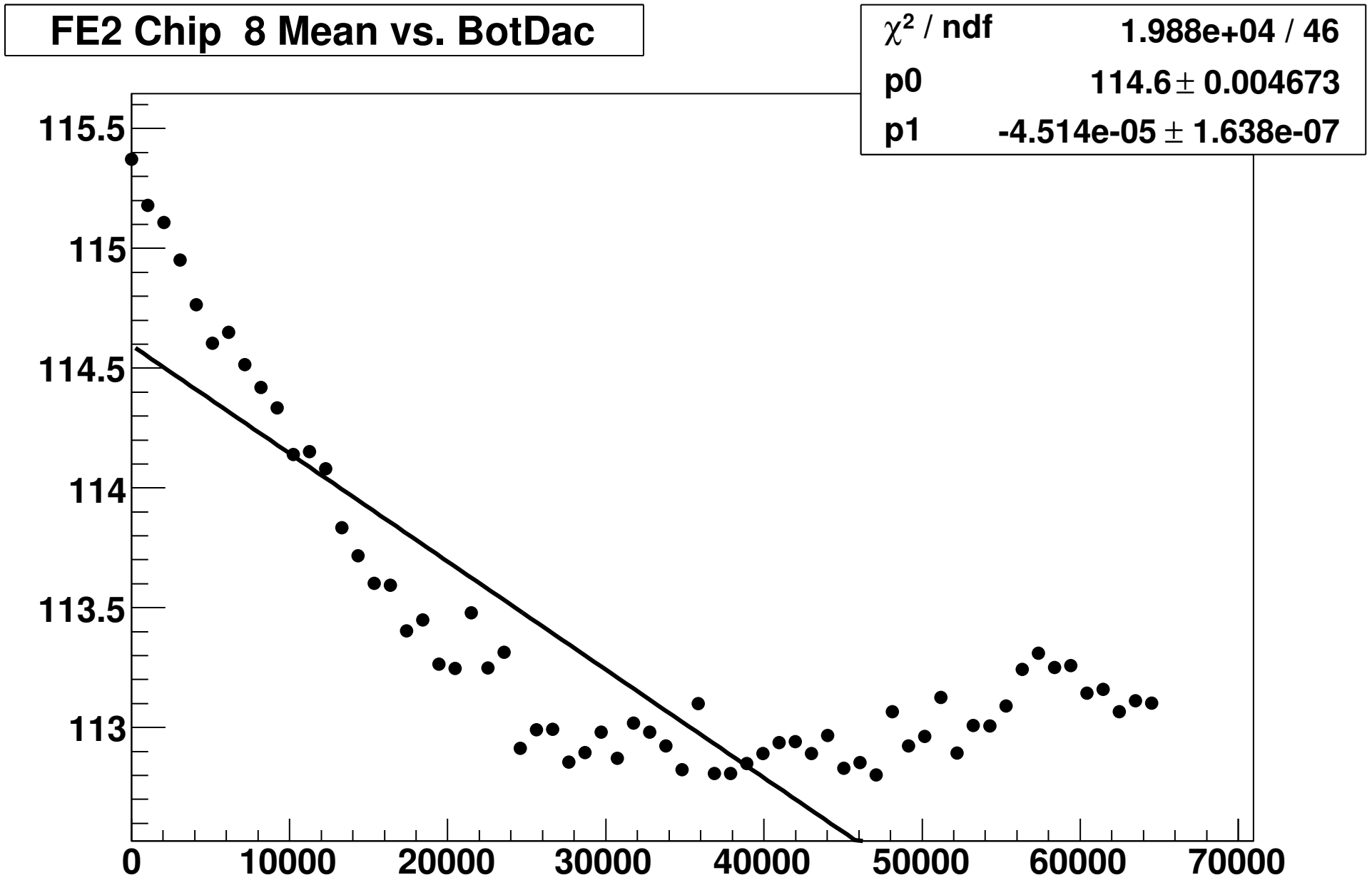
FE2 Chip 8 Mean vs. BotDac
χ² / ndf 1.988e+04 / 46
p0 114.6 ± 0.004673
p1 -4.514e-05 ± 1.638e-07
115.5
115
114.5
114
113.5
113
0
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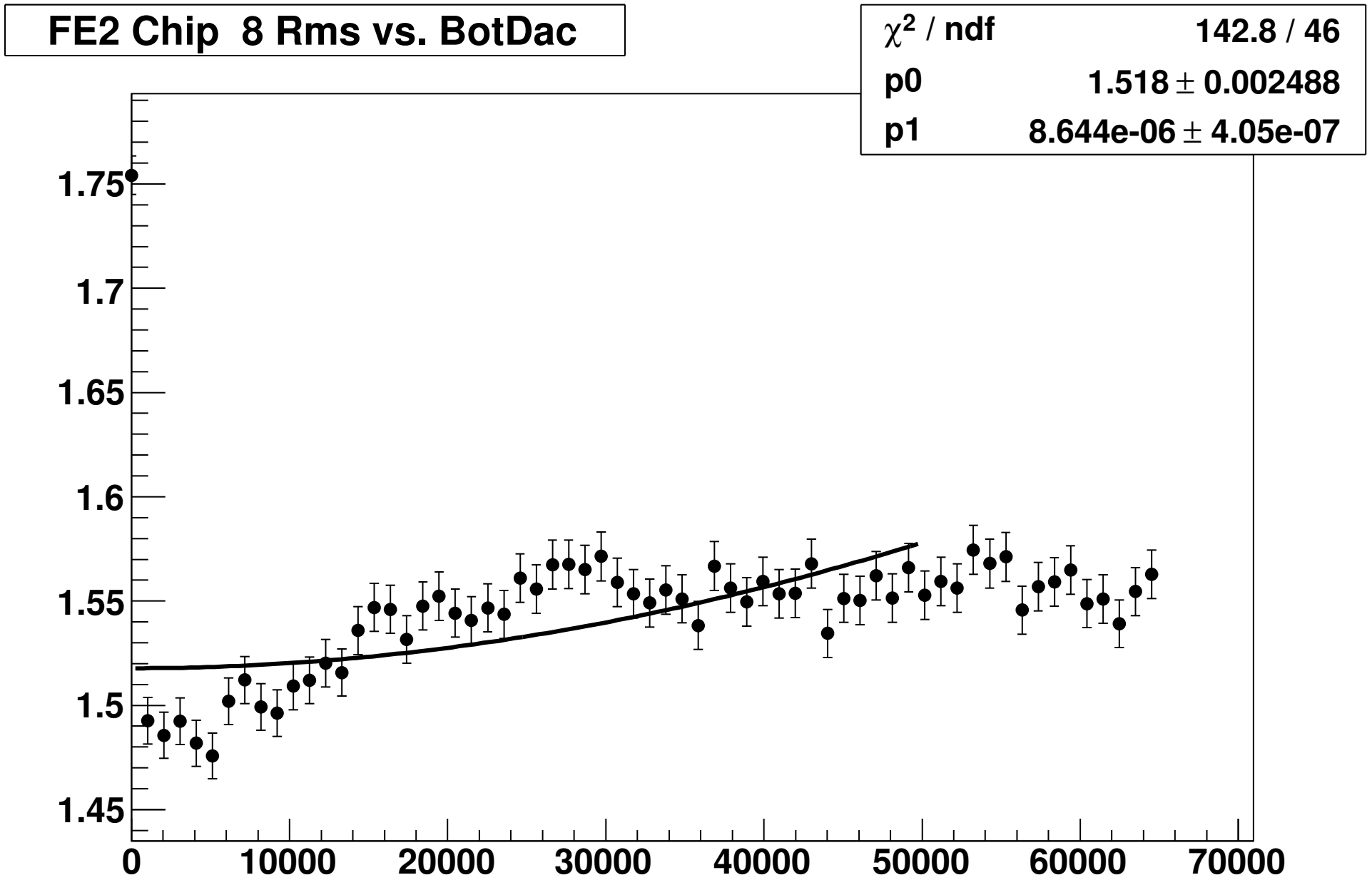
FE2 Chip 8 Rms vs. BotDac
χ² / ndf 142.8 / 46
p0 1.518 ± 0.002488
p1 8.644e-06 ± 4.05e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
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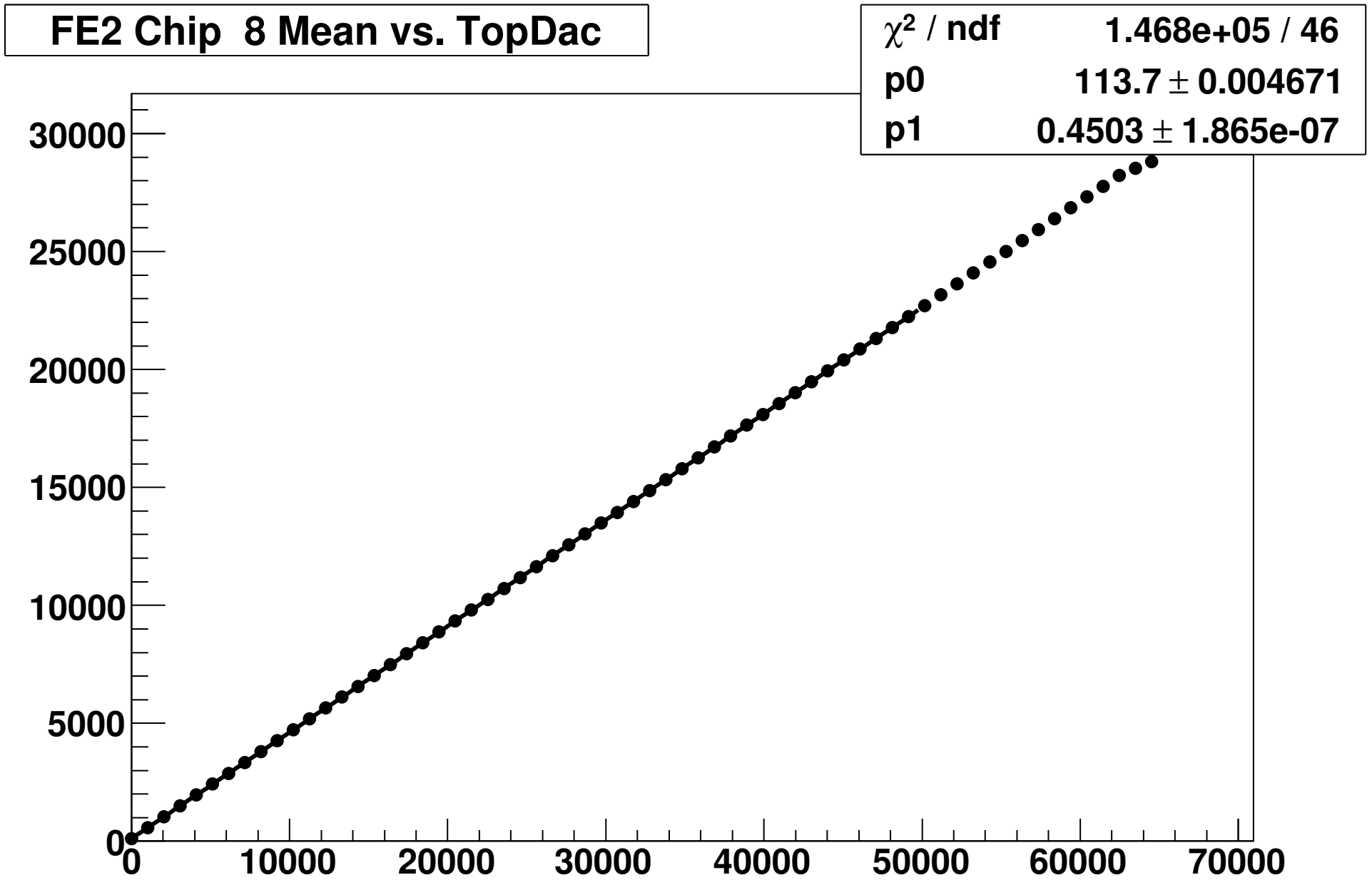
FE2 Chip 8 Mean vs. TopDac
χ² / ndf 1.468e+05 / 46
p0 113.7 ± 0.004671
p1 0.4503 ± 1.865e-07
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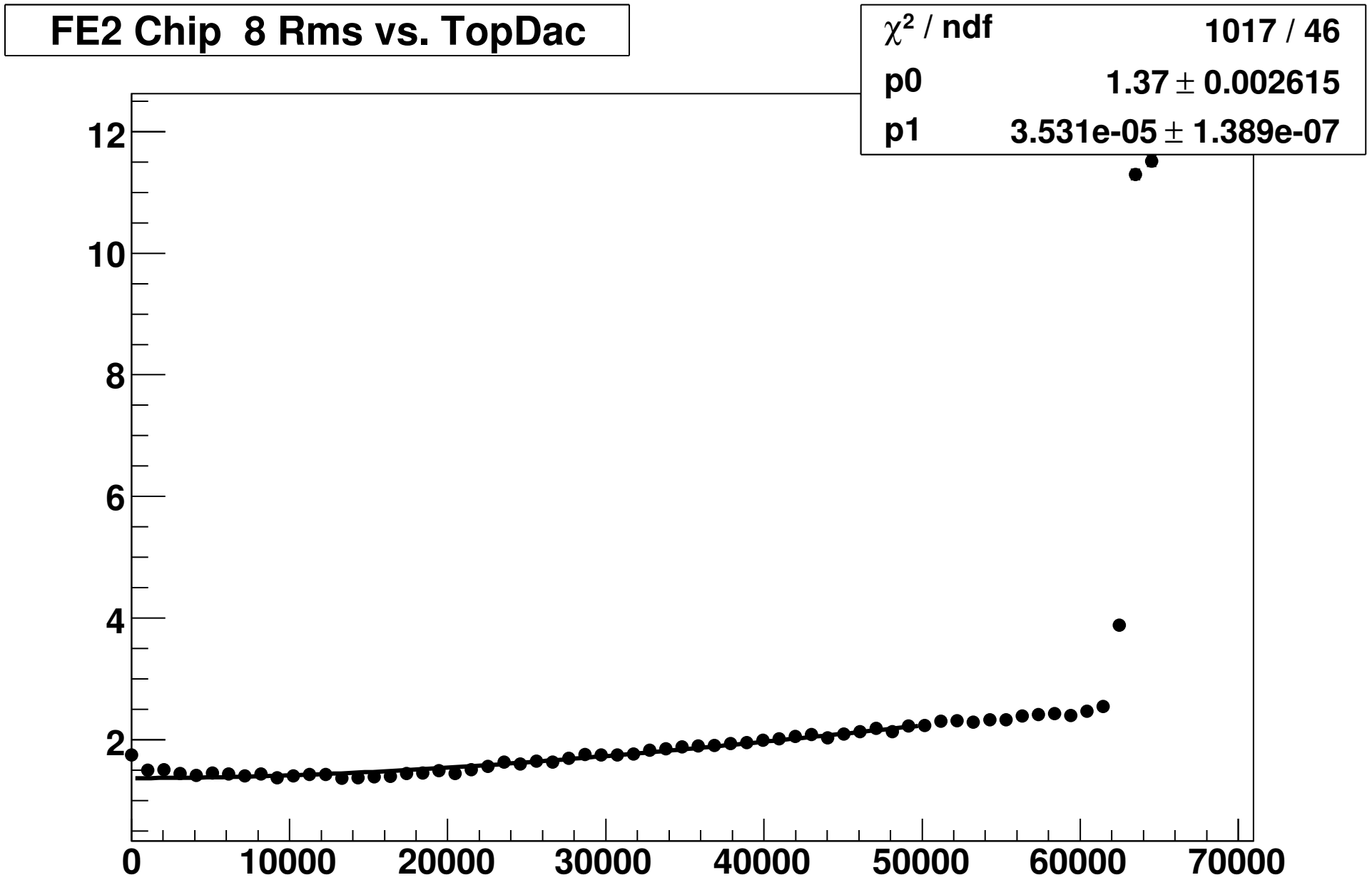
FE2 Chip 8 Rms vs. TopDac
χ² / ndf 1017 / 46
p0 1.37 ± 0.002615
p1 3.531e-05 ± 1.389e-07
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10
8
6
4
2
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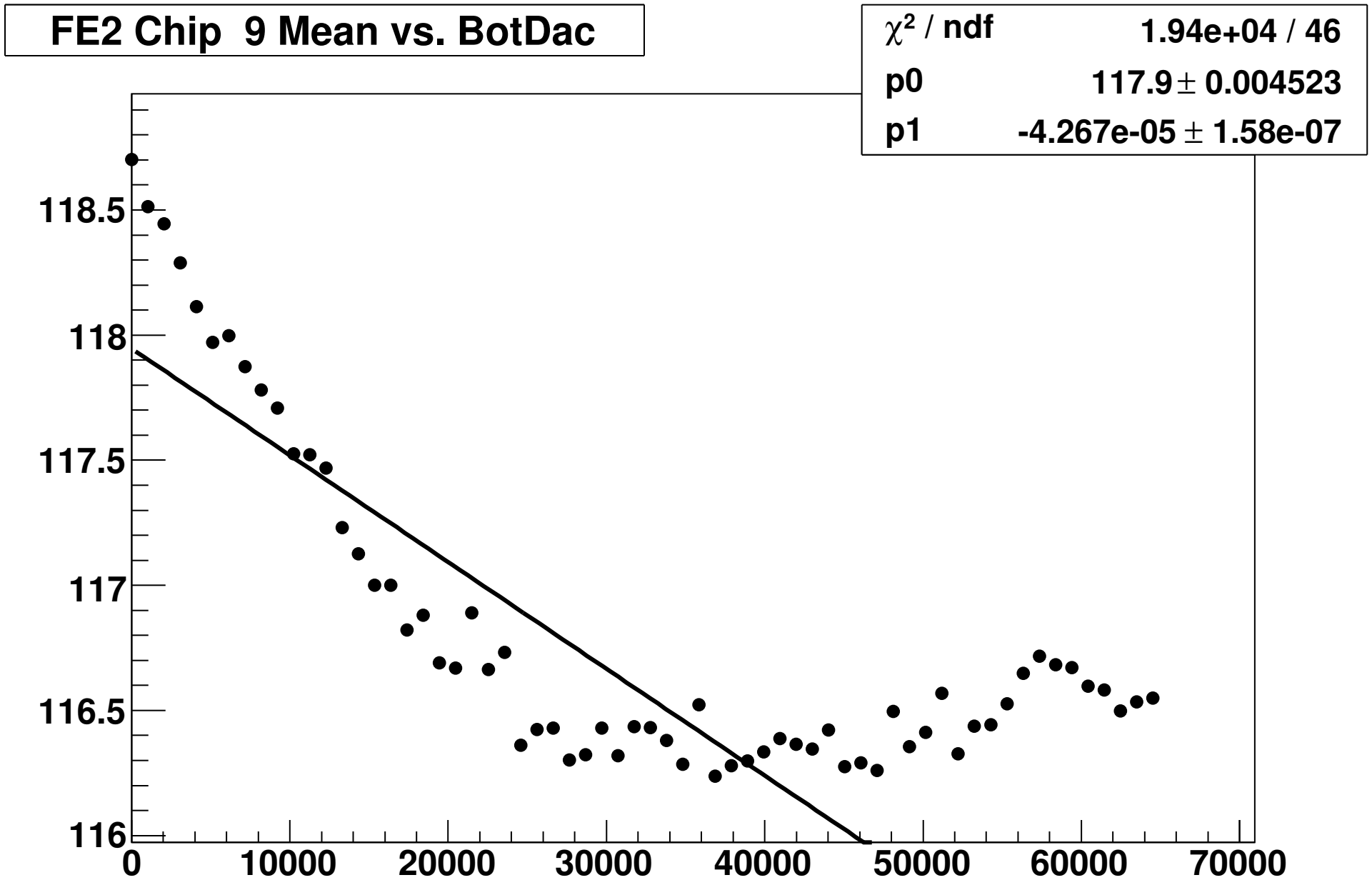
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 1.94e+04 / 46
p0 117.9 ± 0.004523
p1 -4.267e-05 ± 1.58e-07
118.5
118
117.5
117
116.5
116
0
10000
20000
30000
40000
50000
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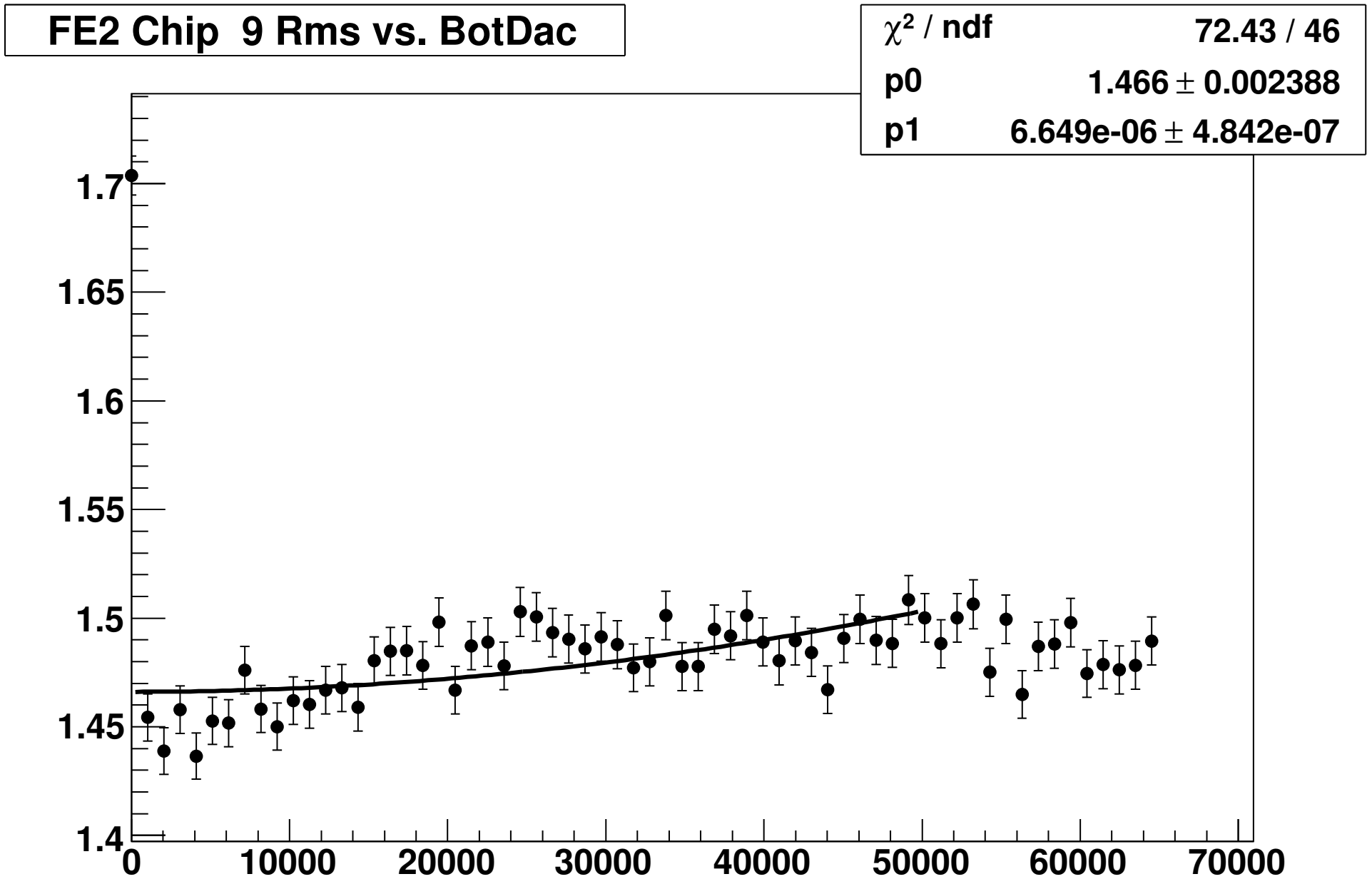
70000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 72.43 / 46
p0 1.466 ± 0.002388
p1 6.649e-06 ± 4.842e-07
1.7
1.65
1.6
1.55
1.5
1.45
1.4
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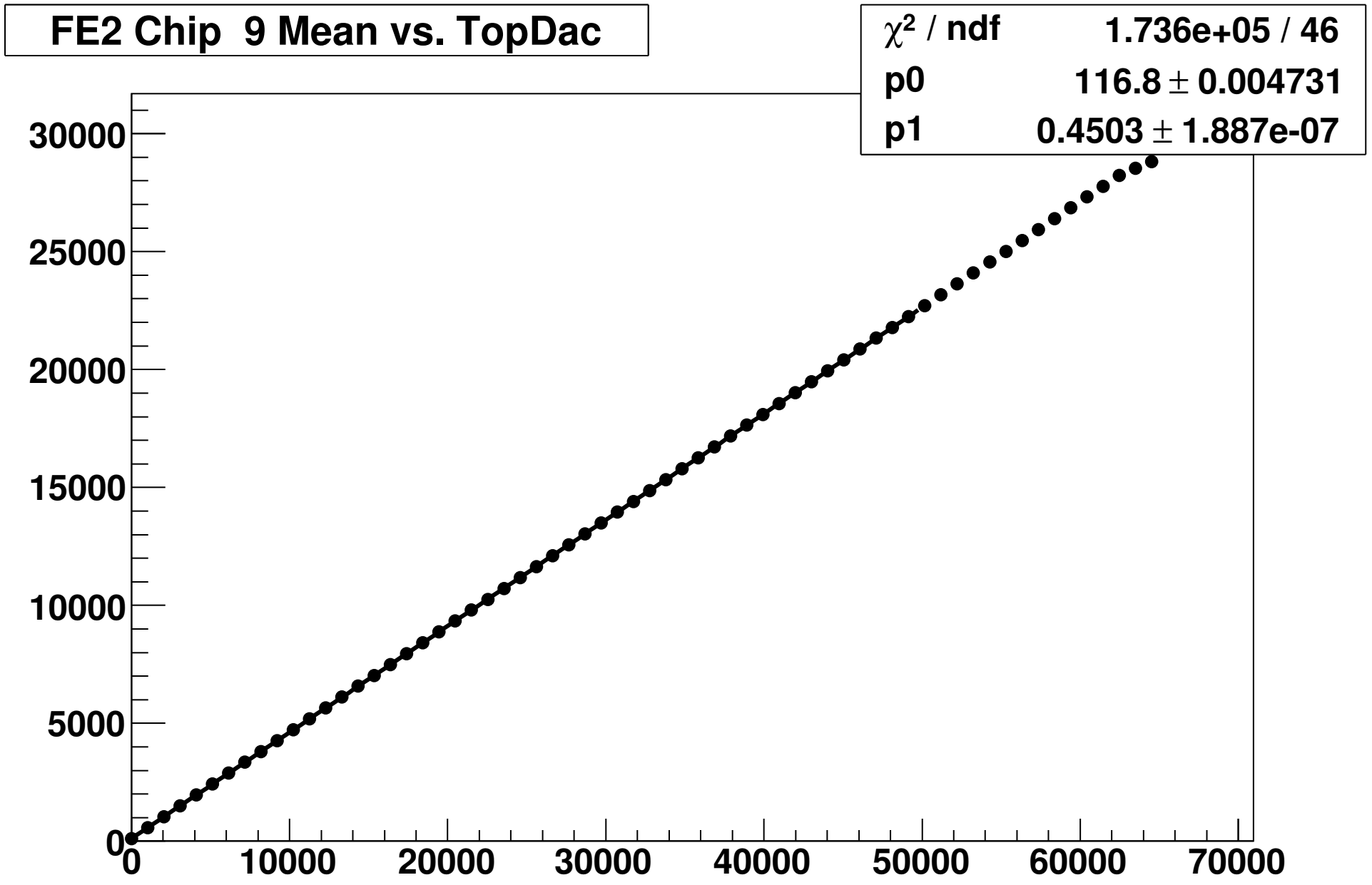
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 1.736e+05 / 46
p0 116.8 ± 0.004731
p1 0.4503 ± 1.887e-07
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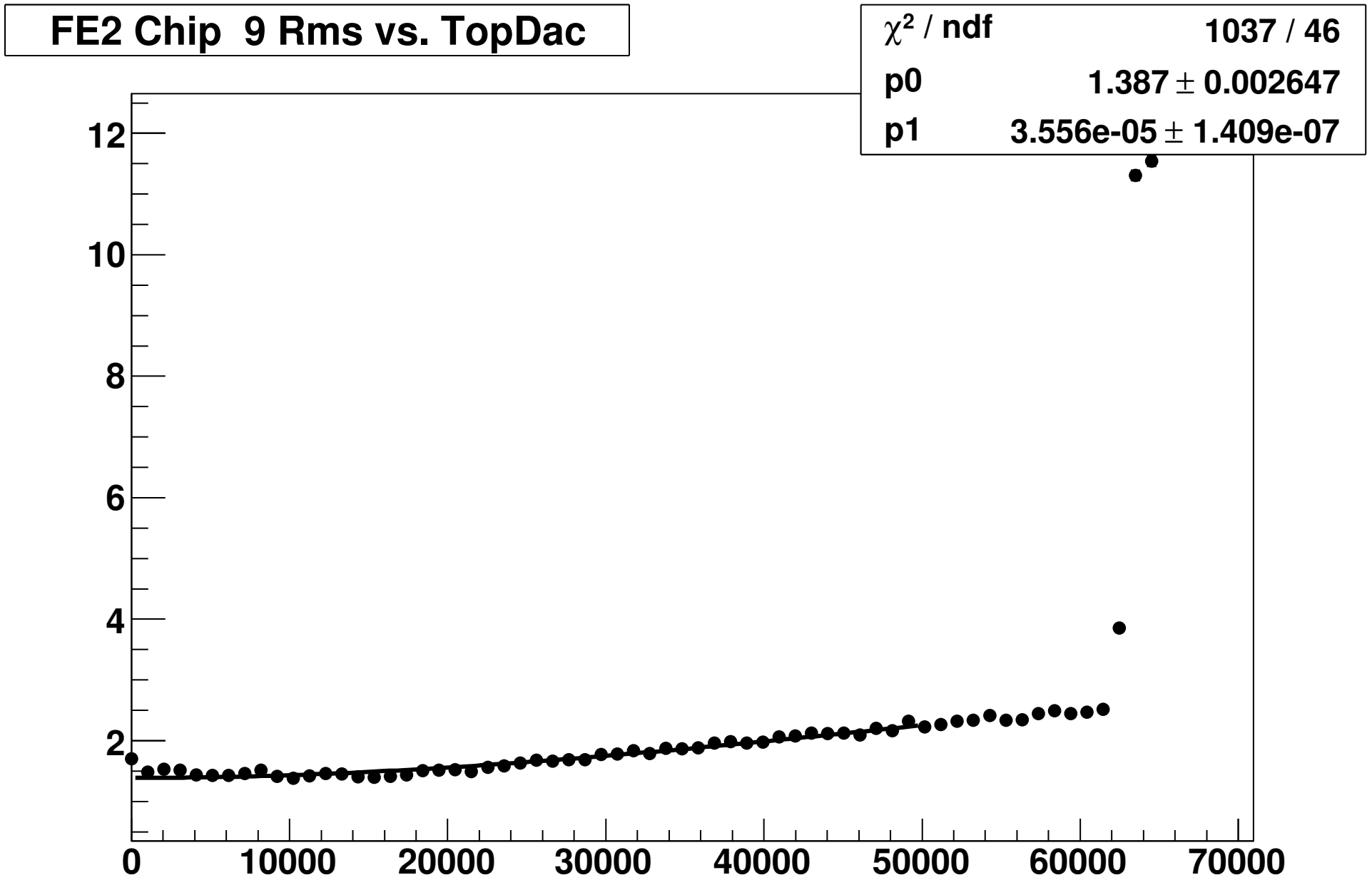
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 1037 / 46
p0 1.387 ± 0.002647
p1 3.556e-05 ± 1.409e-07
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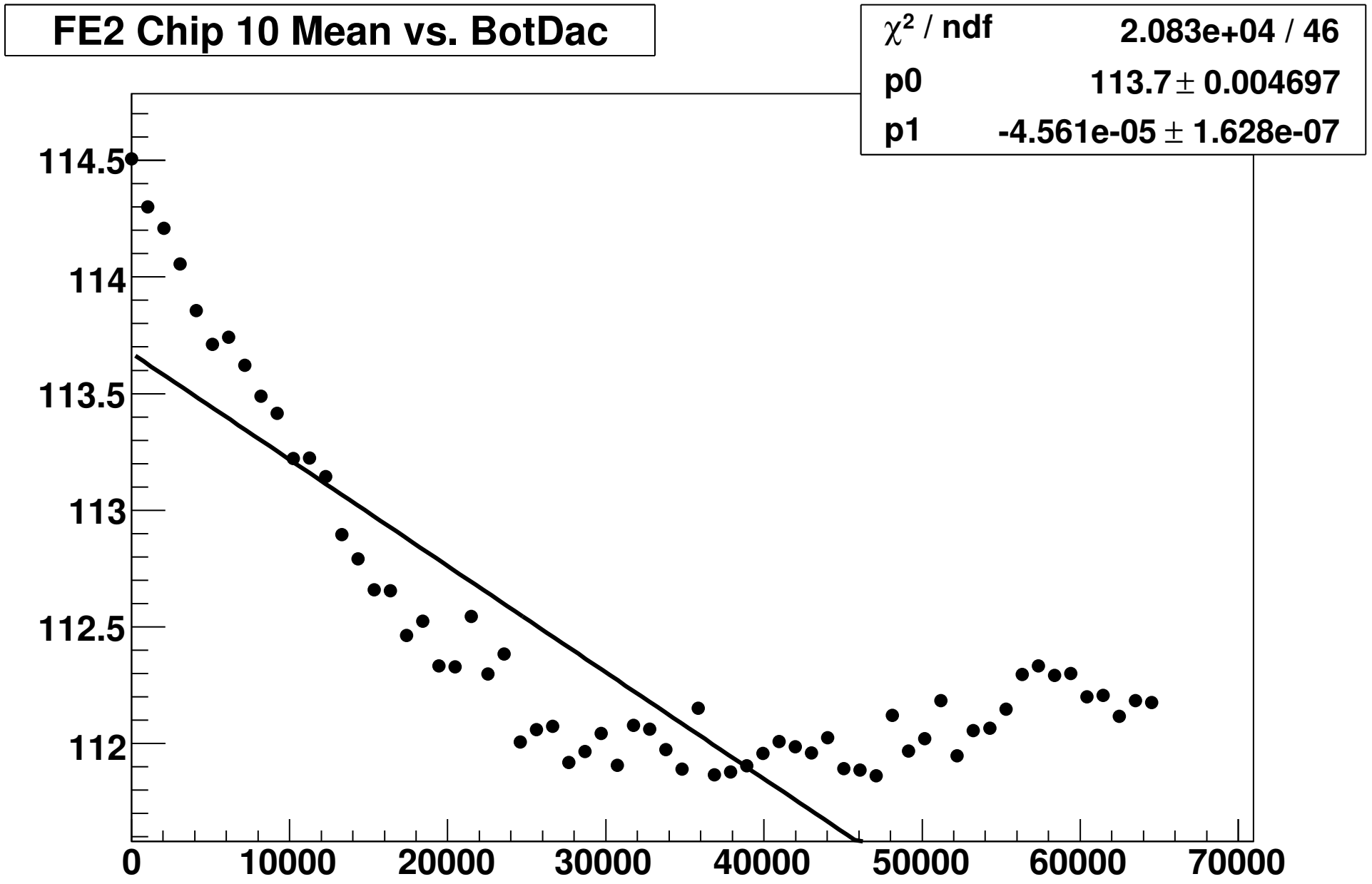
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 2.083e+04 / 46
p0 113.7 ± 0.004697
p1 -4.561e-05 ± 1.628e-07
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114
113.5
113
112.5
112
0
10000
20000
30000
40000
50000
60000
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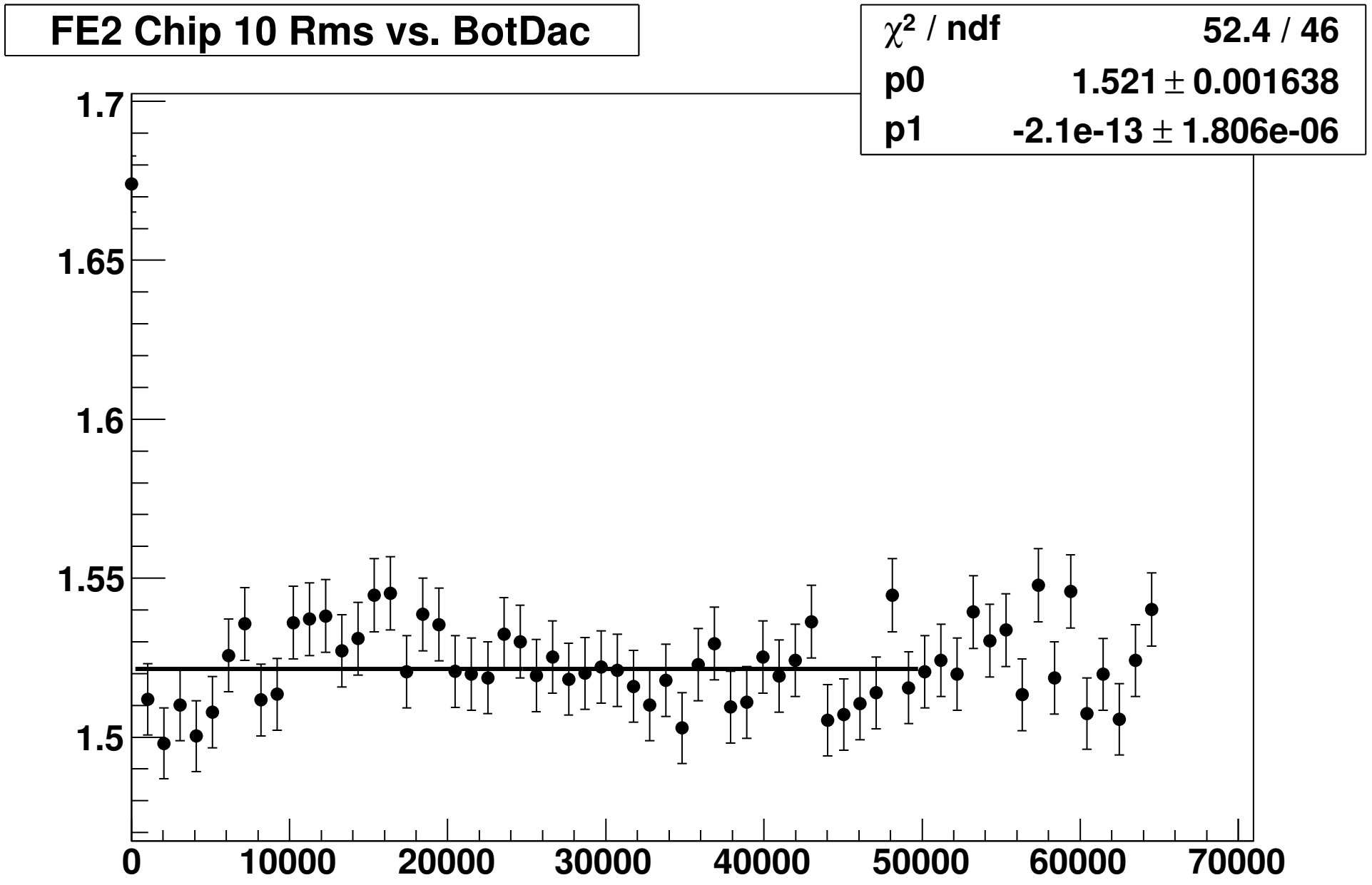
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 52.4 / 46
p0 1.521 ± 0.001638
p1 -2.1e-13 ± 1.806e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
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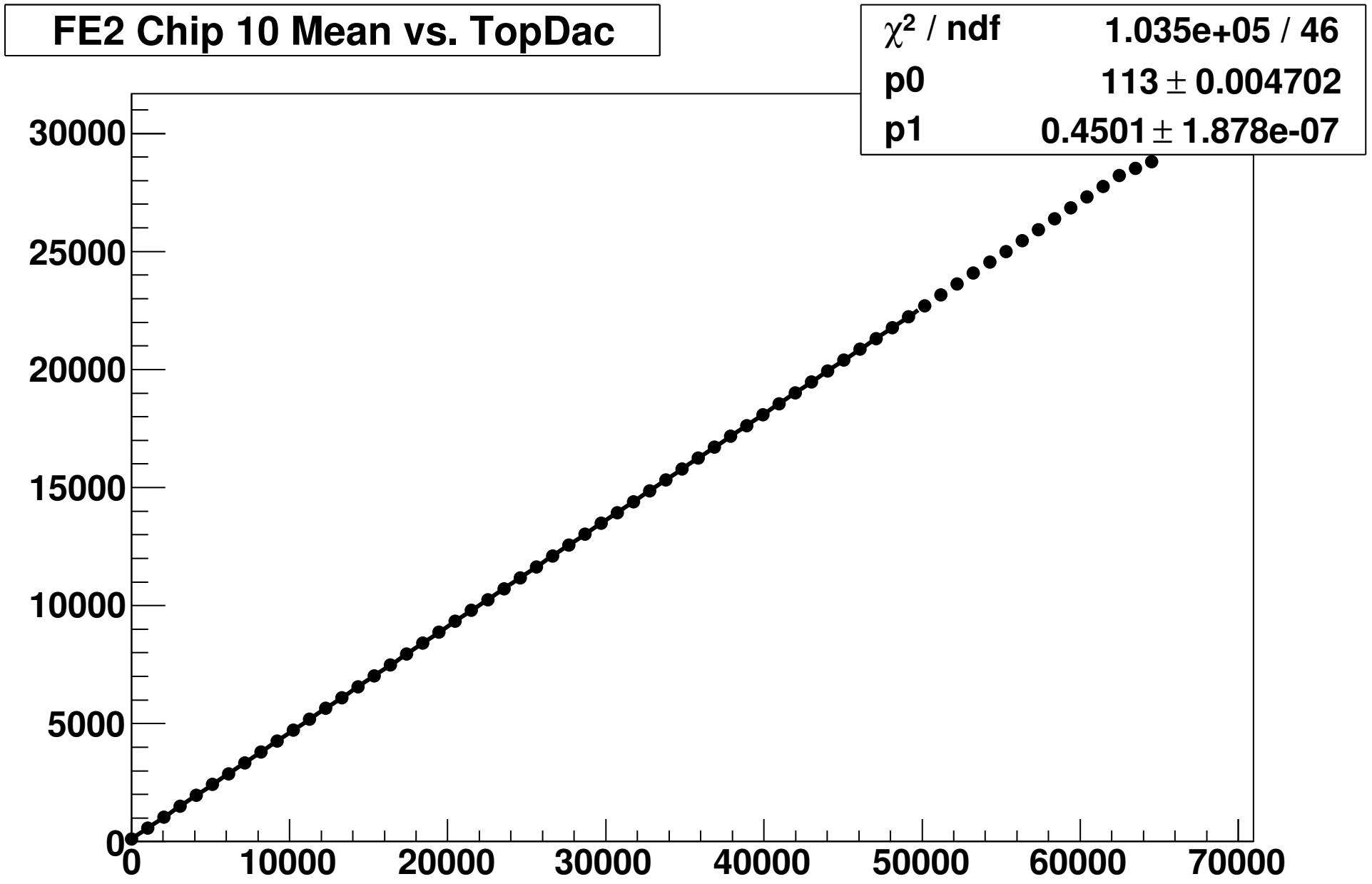
50000
60000
70000


FE2 Chip 10 Mean vs. TopDac
χ² / ndf 1.035e+05 / 46
p0 113 ± 0.004702
p1 0.4501 ± 1.878e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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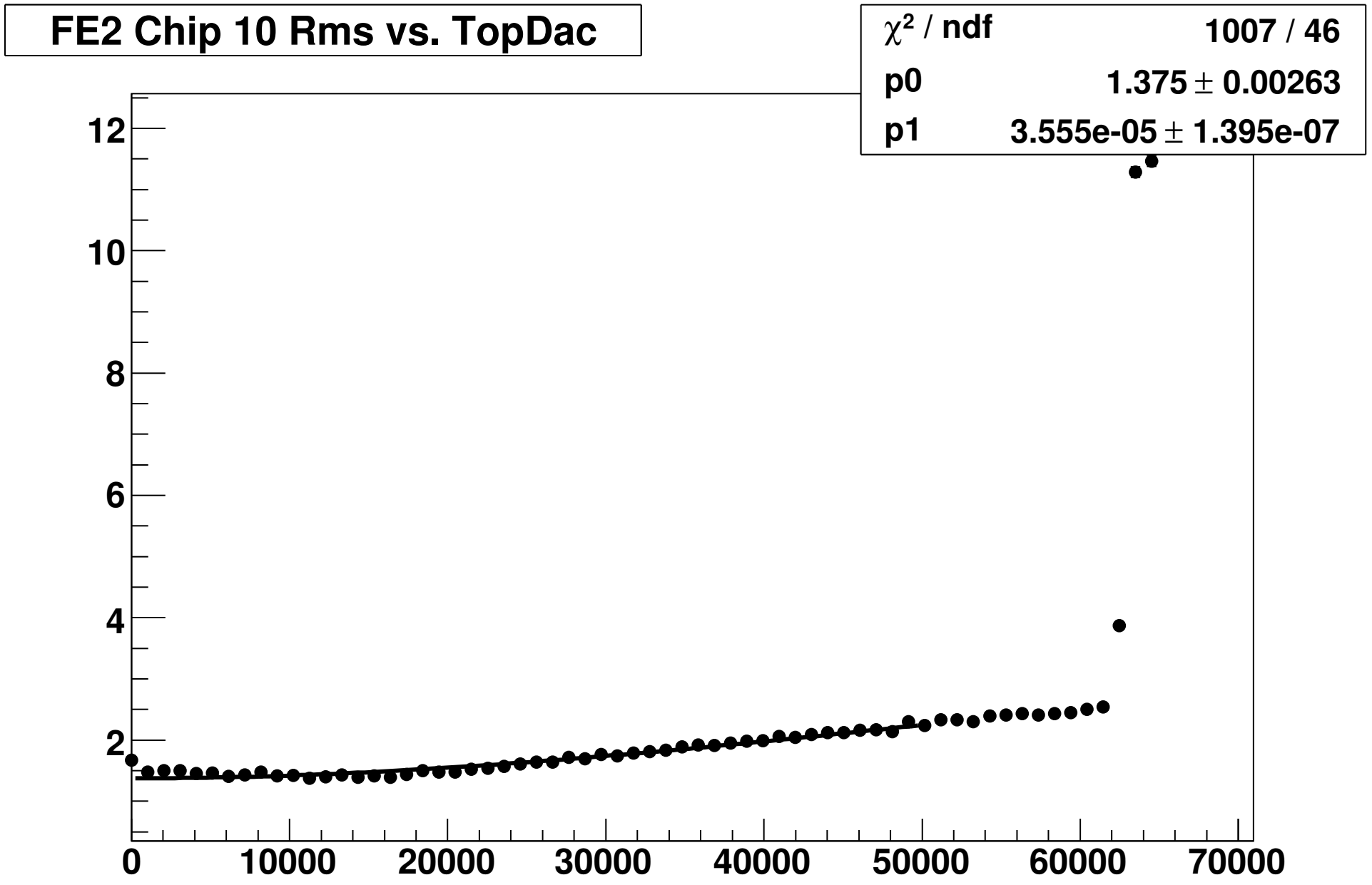
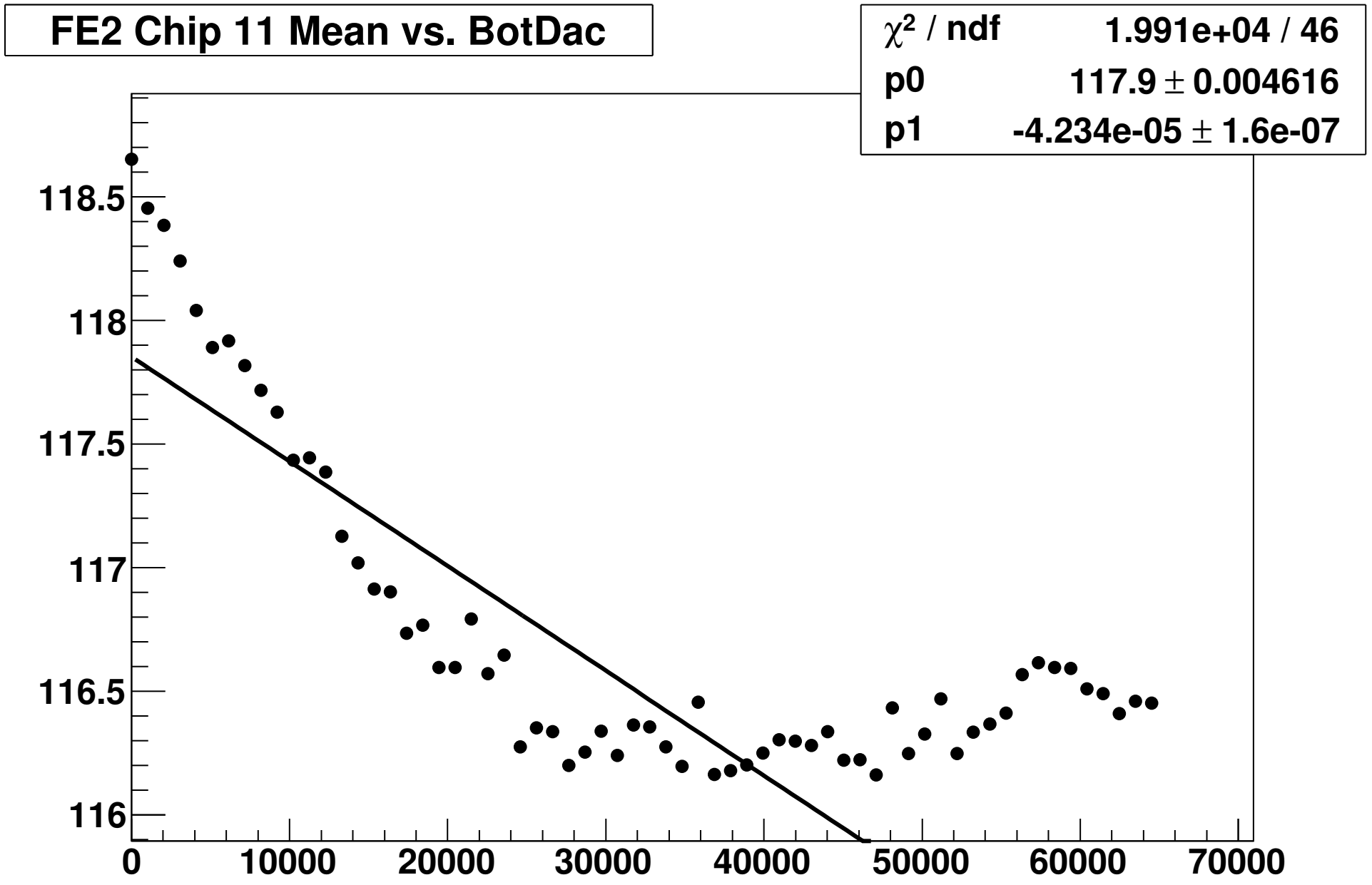
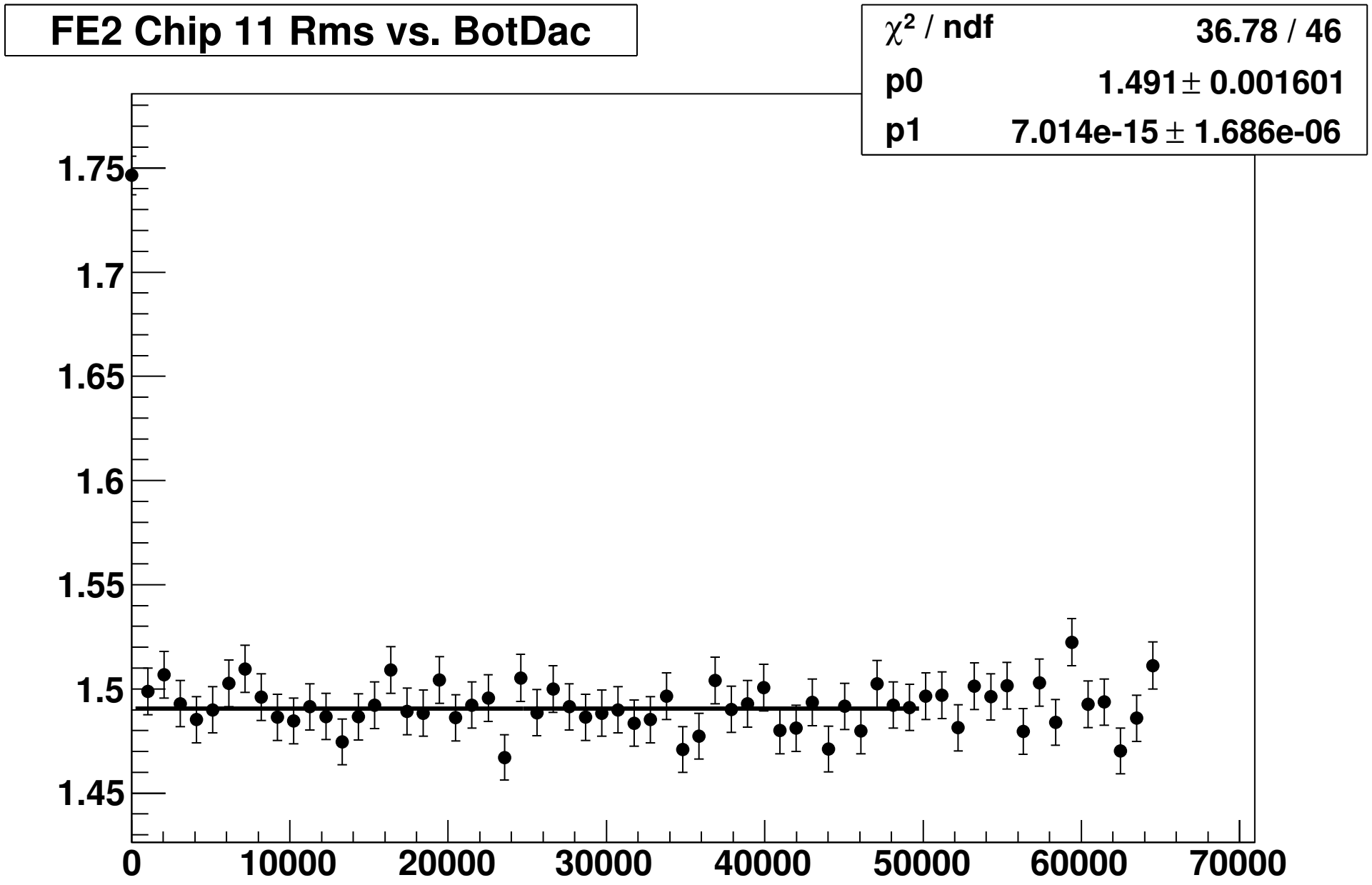

FE2 Chip 10 Rms vs. TopDac
χ² / ndf 1007 / 46
p0 1.375 ± 0.00263
p1 3.555e-05 ± 1.395e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 1.991e+04 / 46
p0 117.9 ± 0.004616
p1 -4.234e-05 ± 1.6e-07
118.5
118
117.5
117
116.5
116
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 36.78 / 46
p0 1.491 ± 0.001601
p1 7.014e-15 ± 1.686e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
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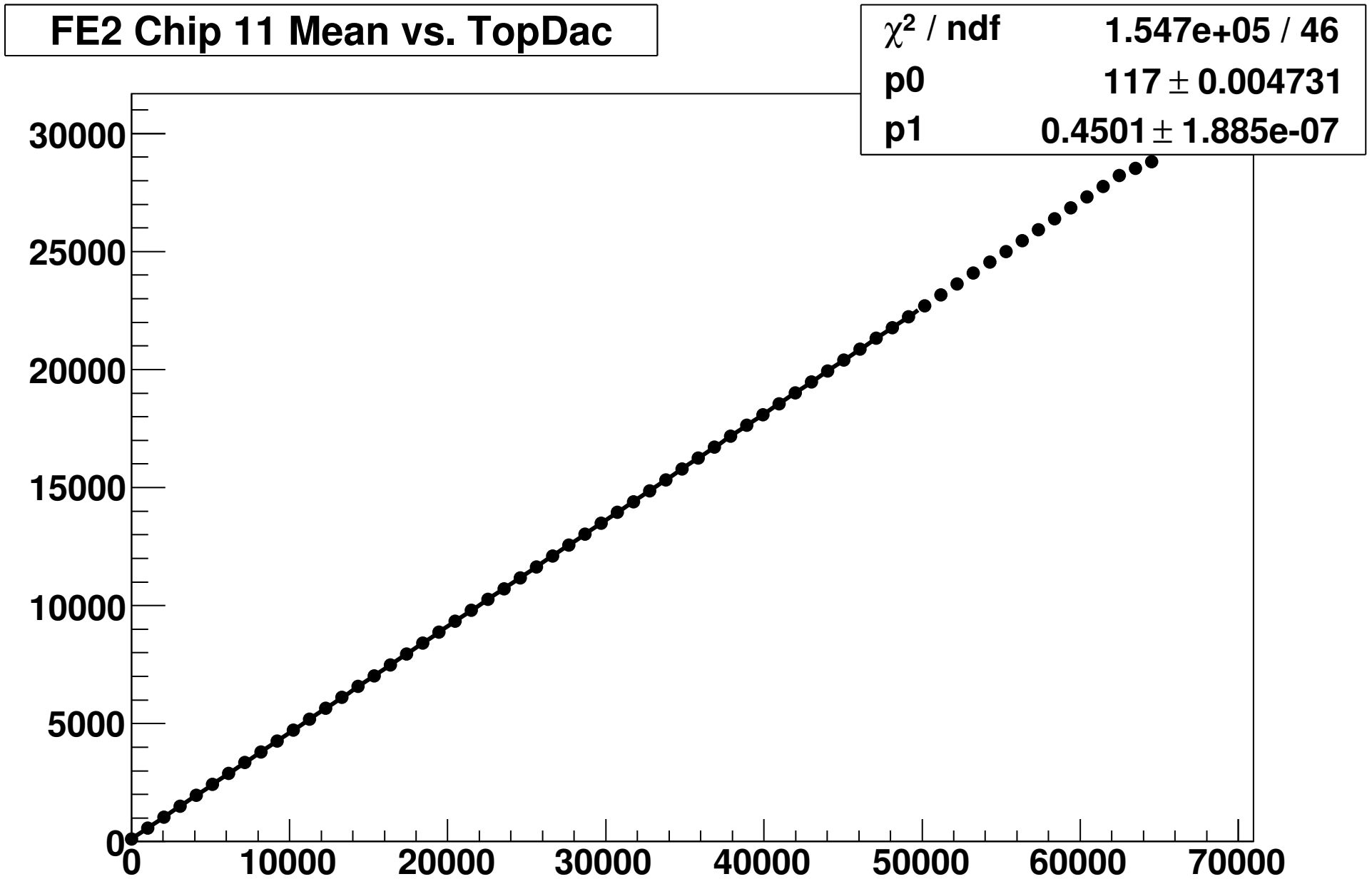
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 1.547e+05 / 46
p0 117 ± 0.004731
p1 0.4501 ± 1.885e-07
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0
0
10000
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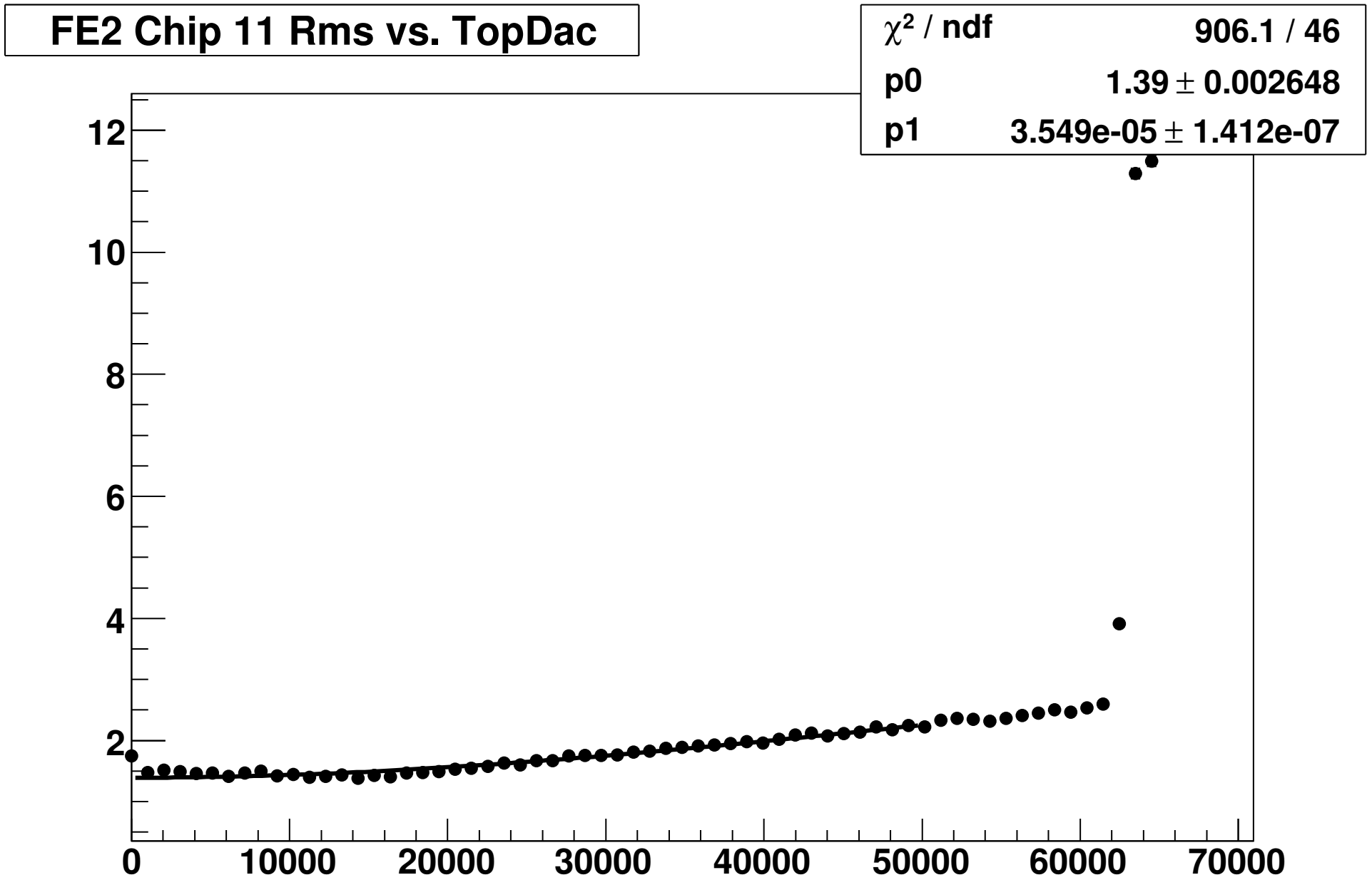
FE2 Chip 11 Rms vs. TopDac
χ² / ndf 906.1 / 46
p0 1.39 ± 0.002648
p1 3.549e-05 ± 1.412e-07
12
10
8
6
4
2
0
10000
20000
30000
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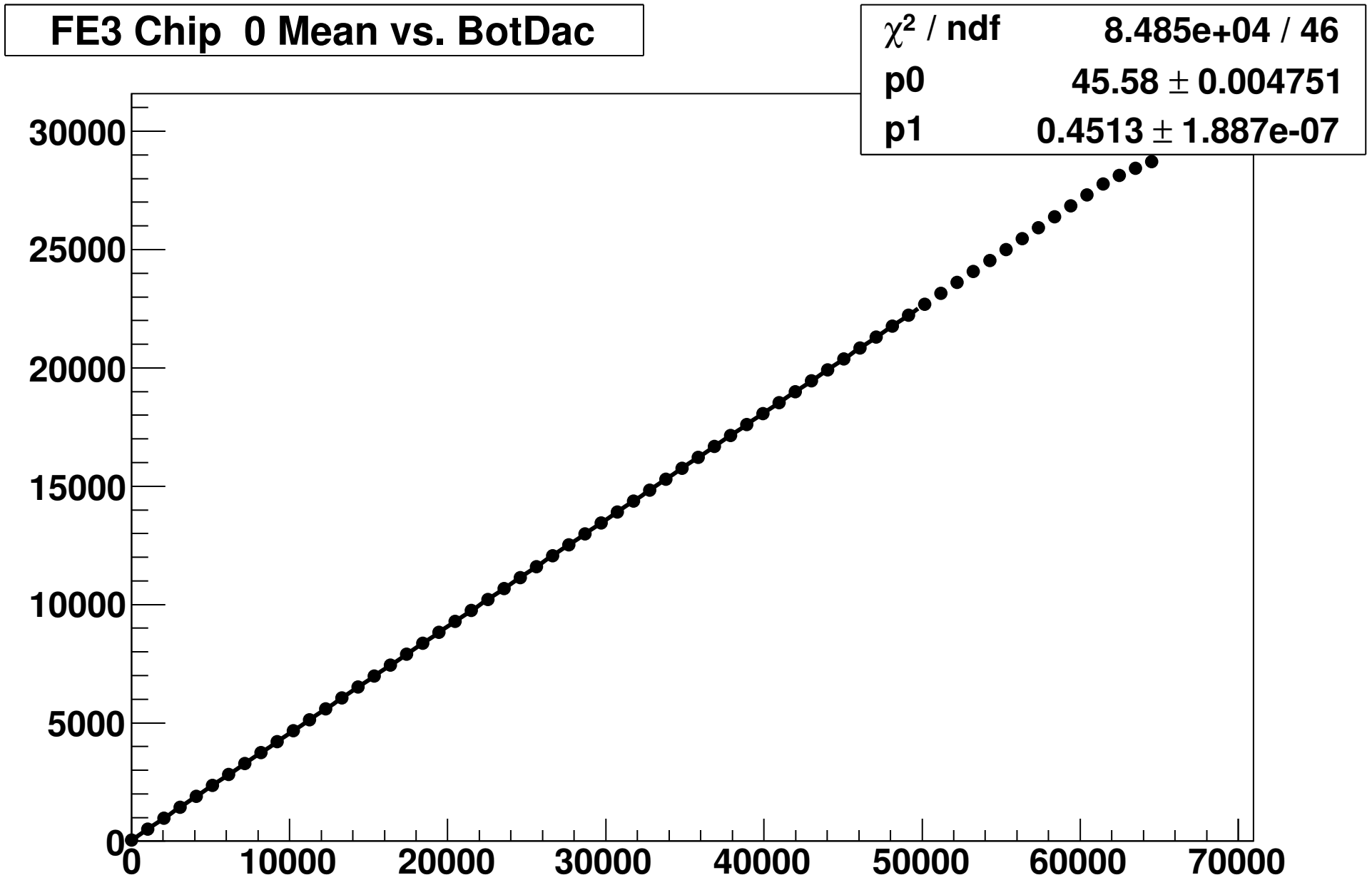
70000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 8.485e+04 / 46
p0 45.58 ± 0.004751
p1 0.4513 ± 1.887e-07
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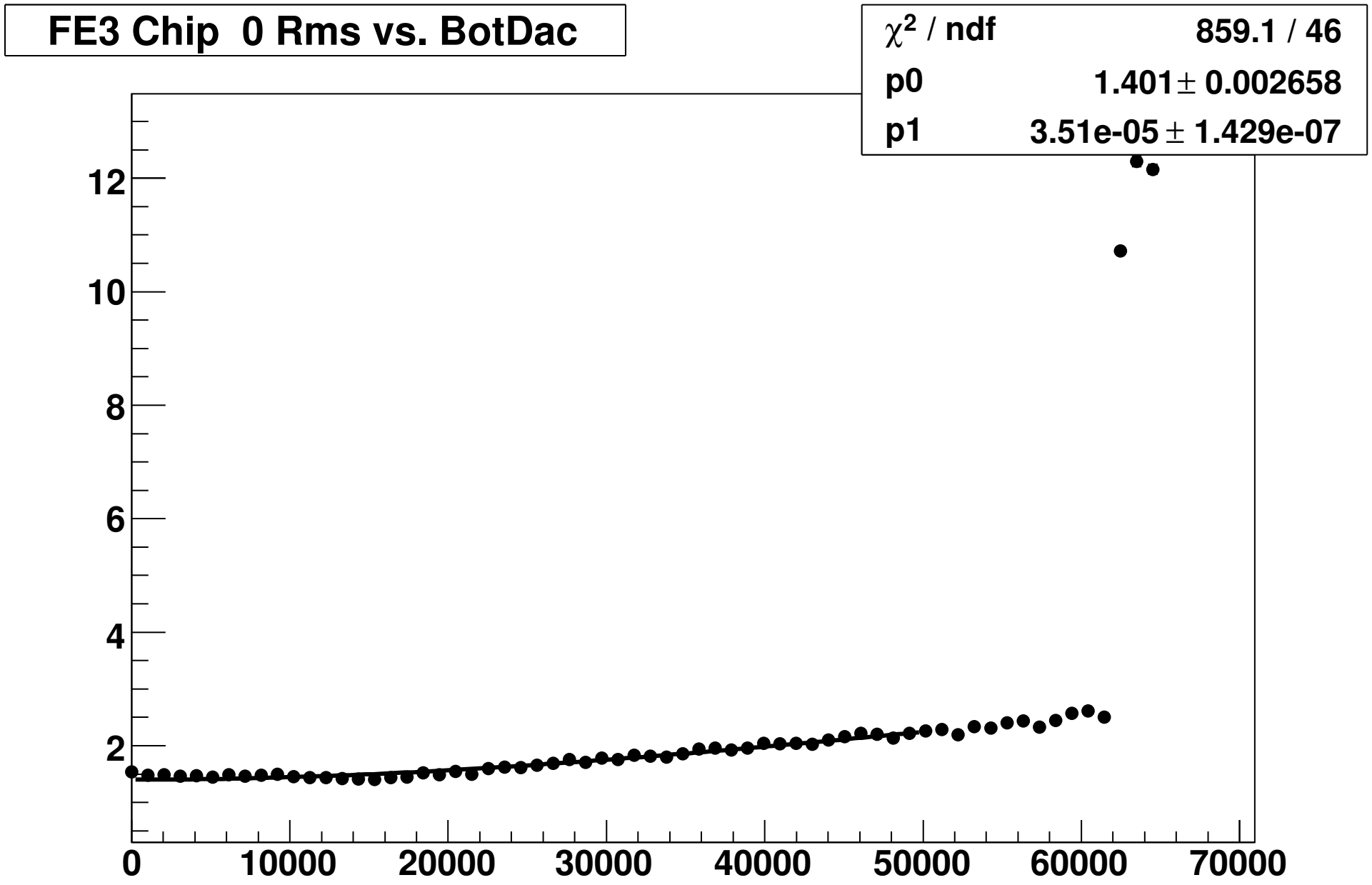
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 859.1 / 46
p0 1.401 ± 0.002658
p1 3.51e-05 ± 1.429e-07
12
10
8
6
4
2
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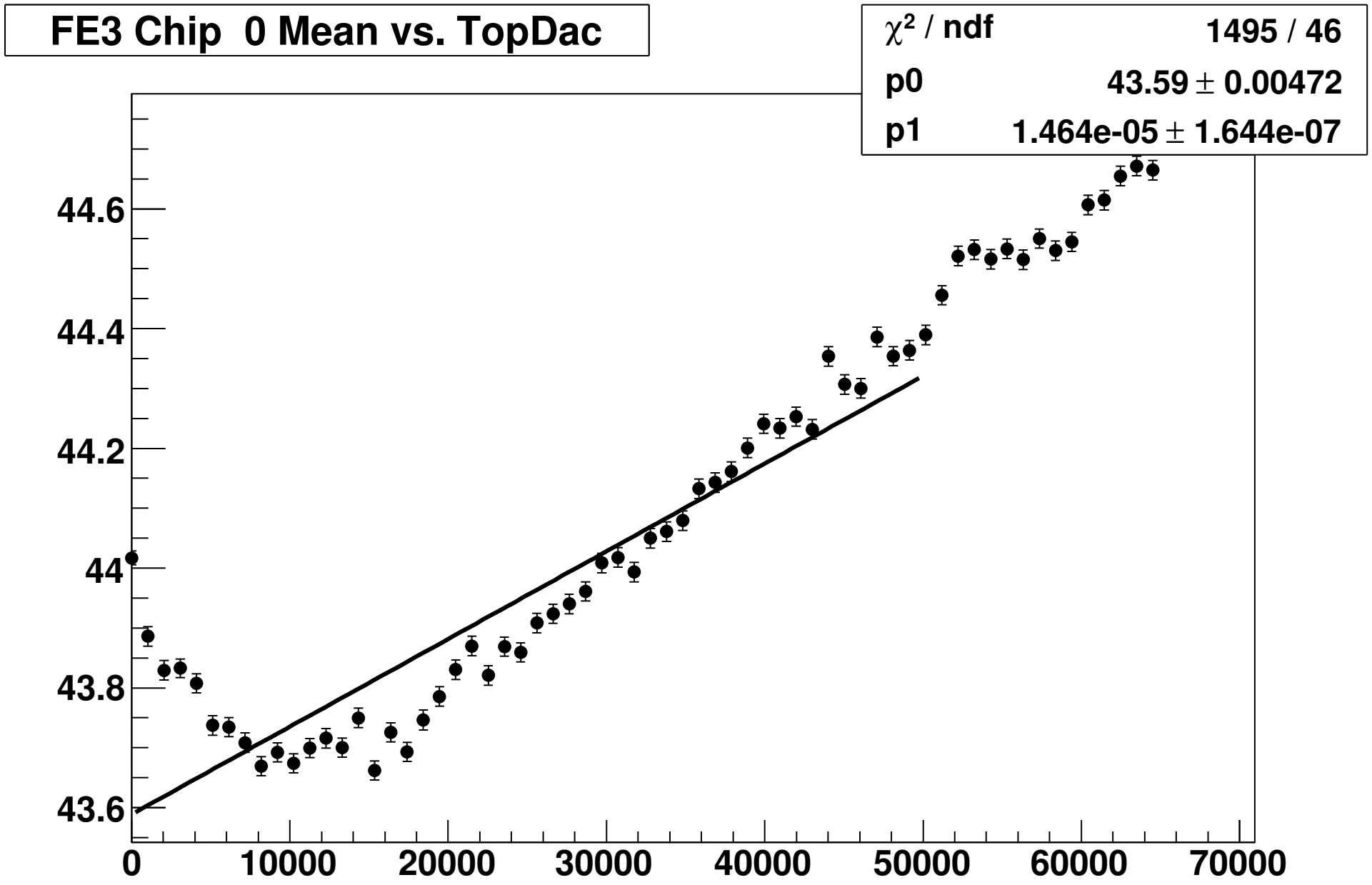
FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1495 / 46
p0 43.59 ± 0.00472
p1 1.464e-05 ± 1.644e-07
44.6
44.4
44.2
44
43.8
43.6
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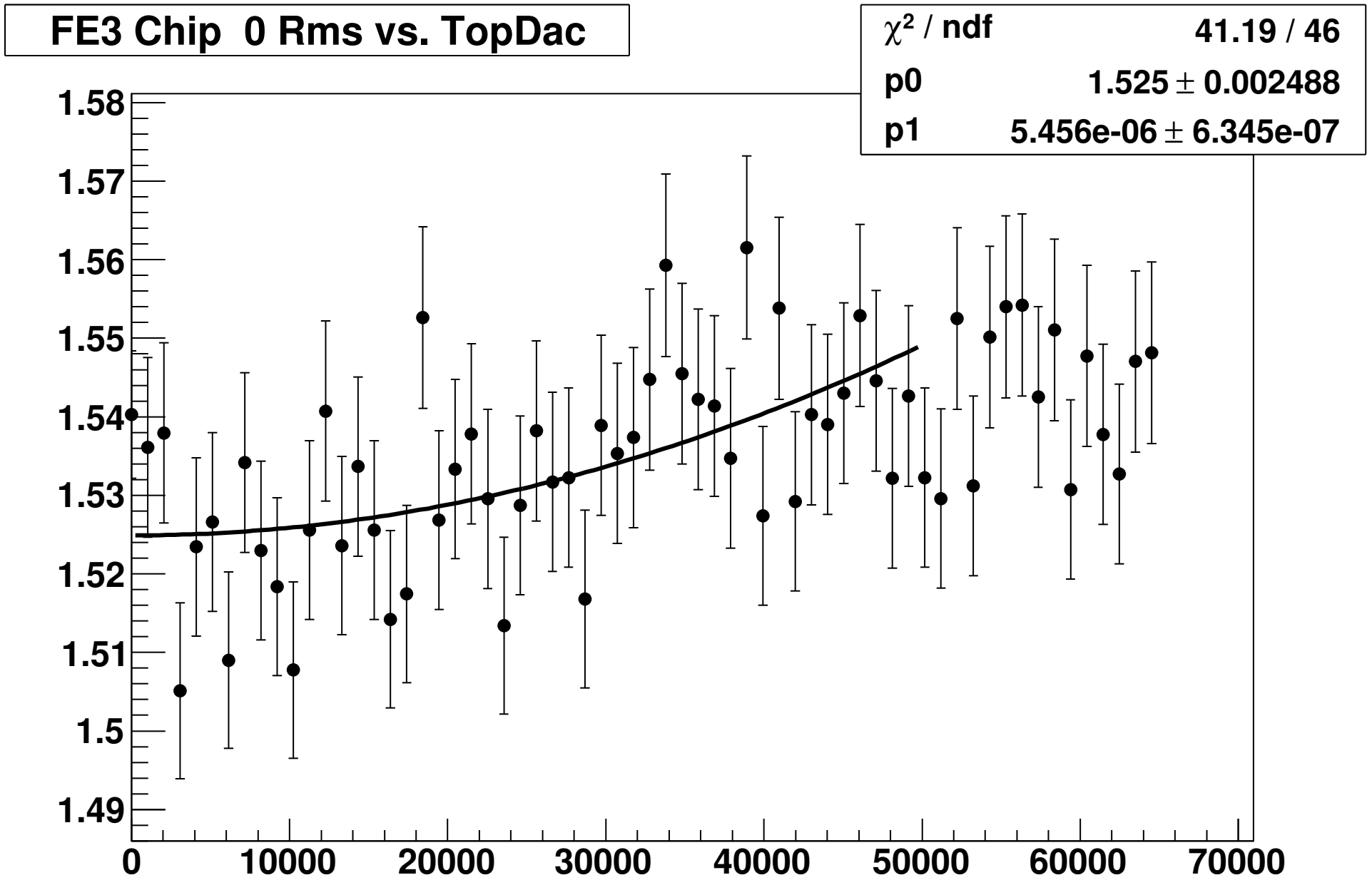
FE3 Chip 0 Rms vs. TopDac
χ² / ndf 41.19 / 46
p0 1.525 ± 0.002488
p1 5.456e-06 ± 6.345e-07
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
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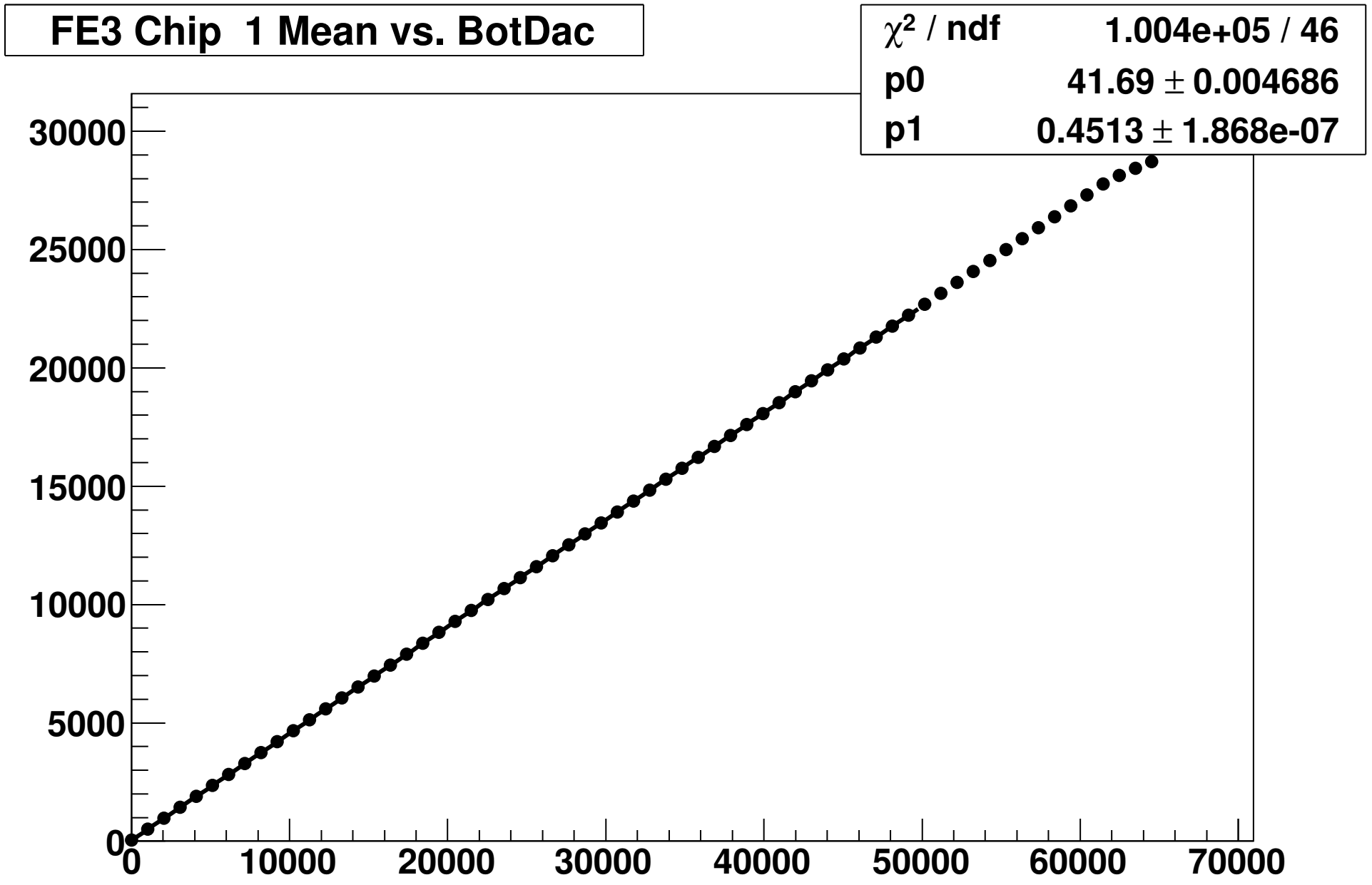
FE3 Chip 1 Mean vs. BotDac
χ² / ndf 1.004e+05 / 46
p0 41.69 ± 0.004686
p1 0.4513 ± 1.868e-07
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20000
15000
10000
5000
0
0
10000
20000
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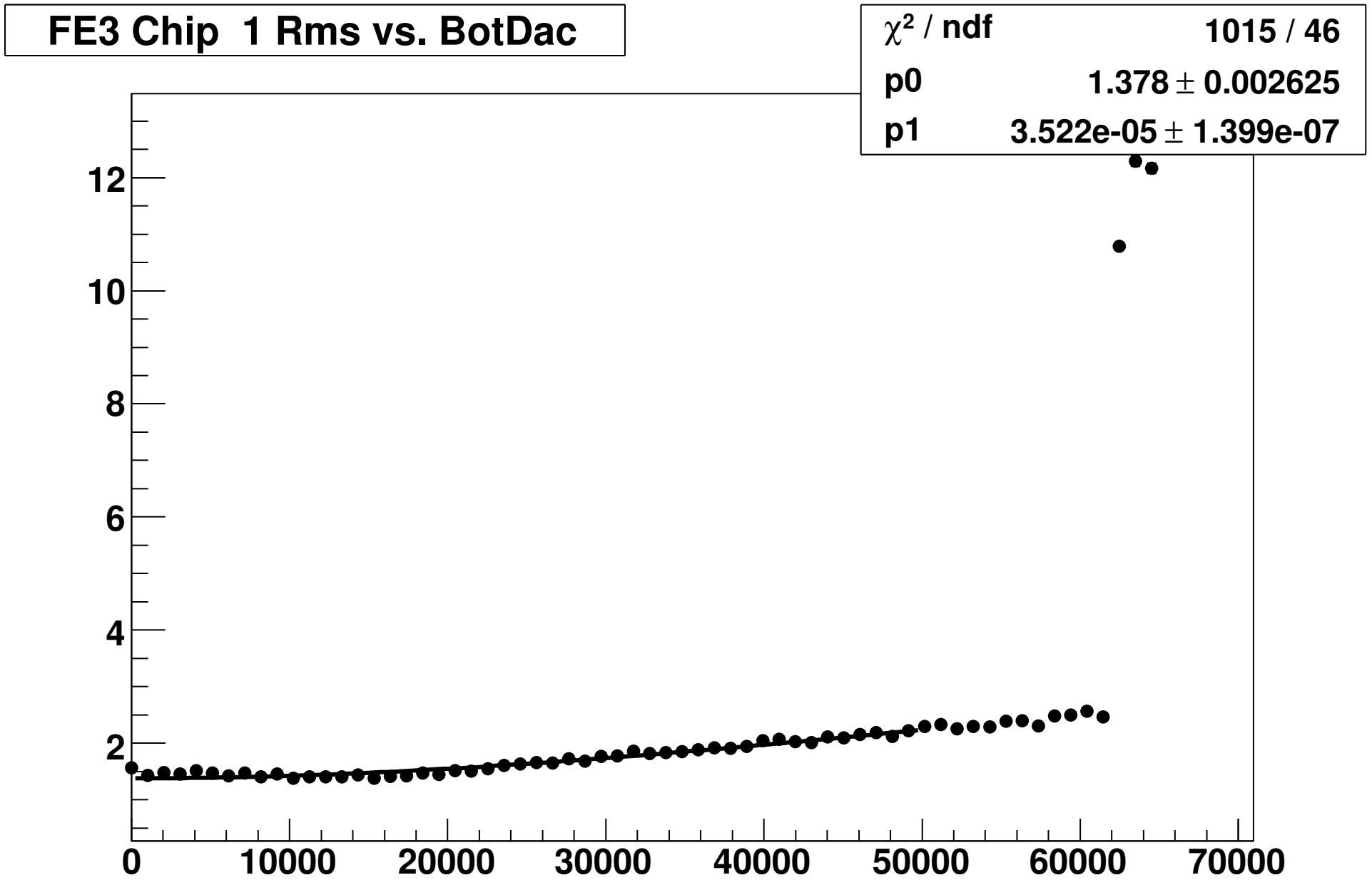
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 1015 / 46
p0 1.378 ± 0.002625
p1 3.522e-05 ± 1.399e-07
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10
8
6
4
2
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20000
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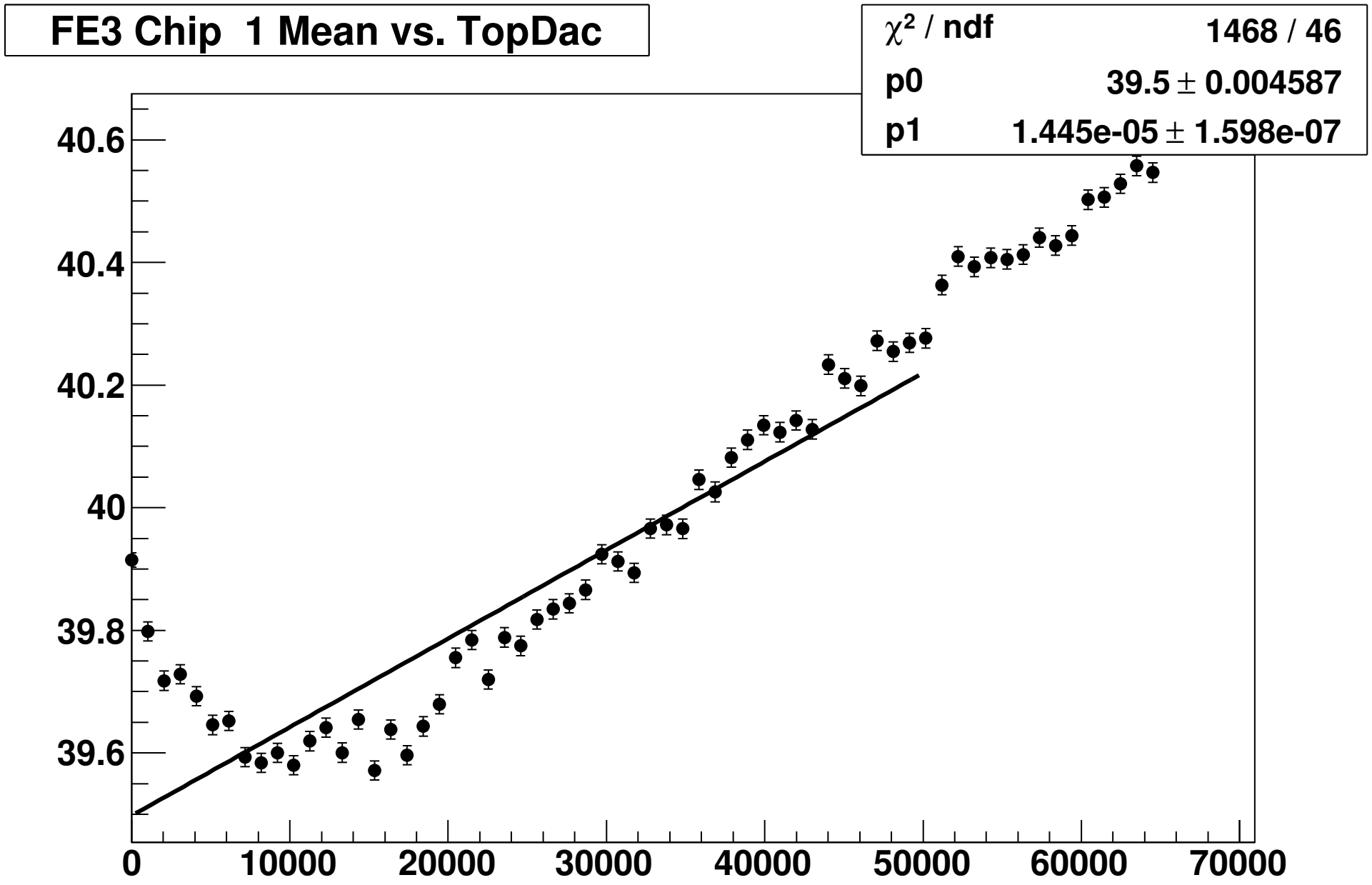
FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1468 / 46
p0 39.5 ± 0.004587
p1 1.445e-05 ± 1.598e-07
40.6
40.4
40.2
40
39.8
39.6
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20000
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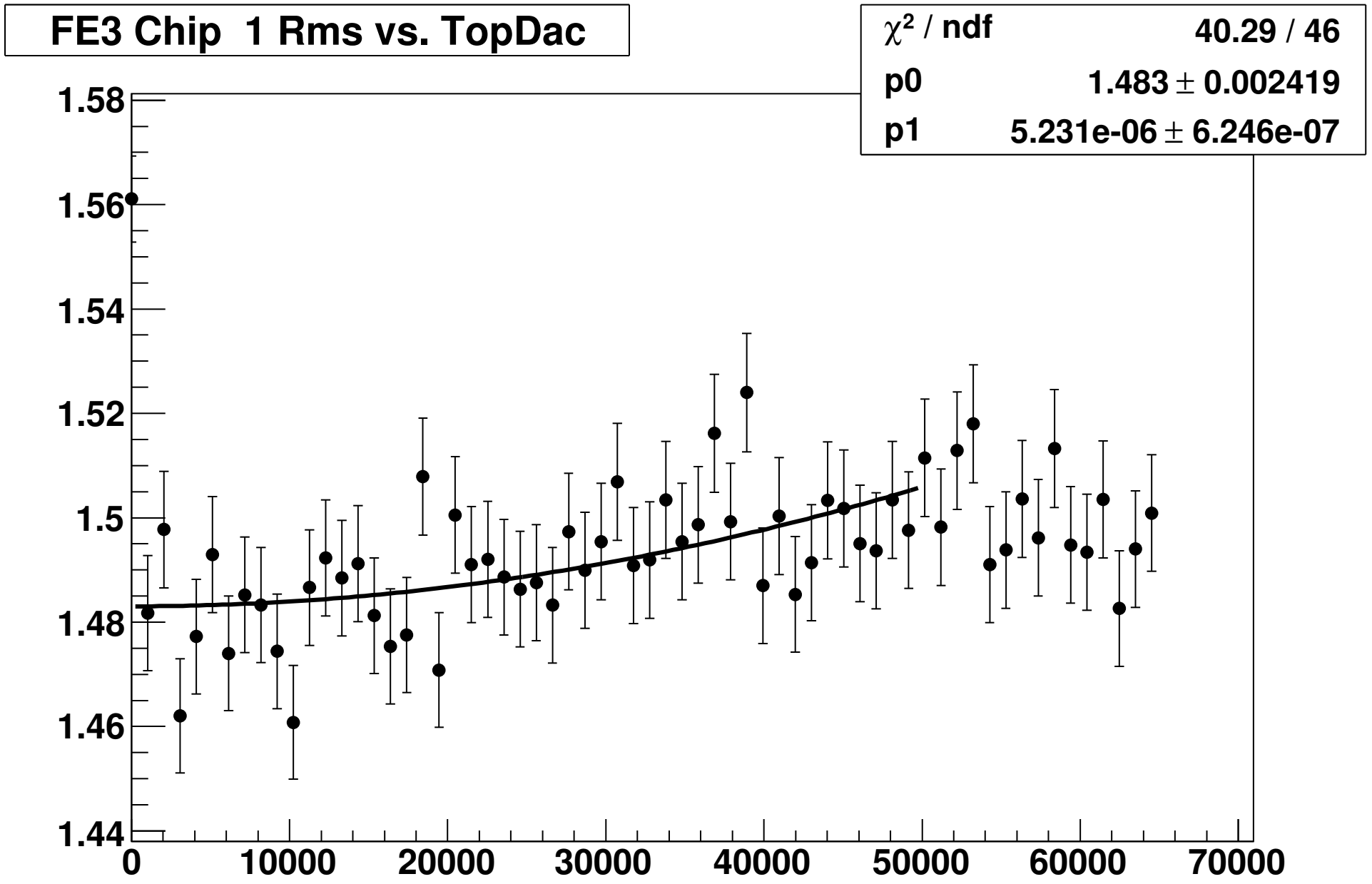
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 40.29 / 46
p0 1.483 ± 0.002419
p1 5.231e-06 ± 6.246e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
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20000
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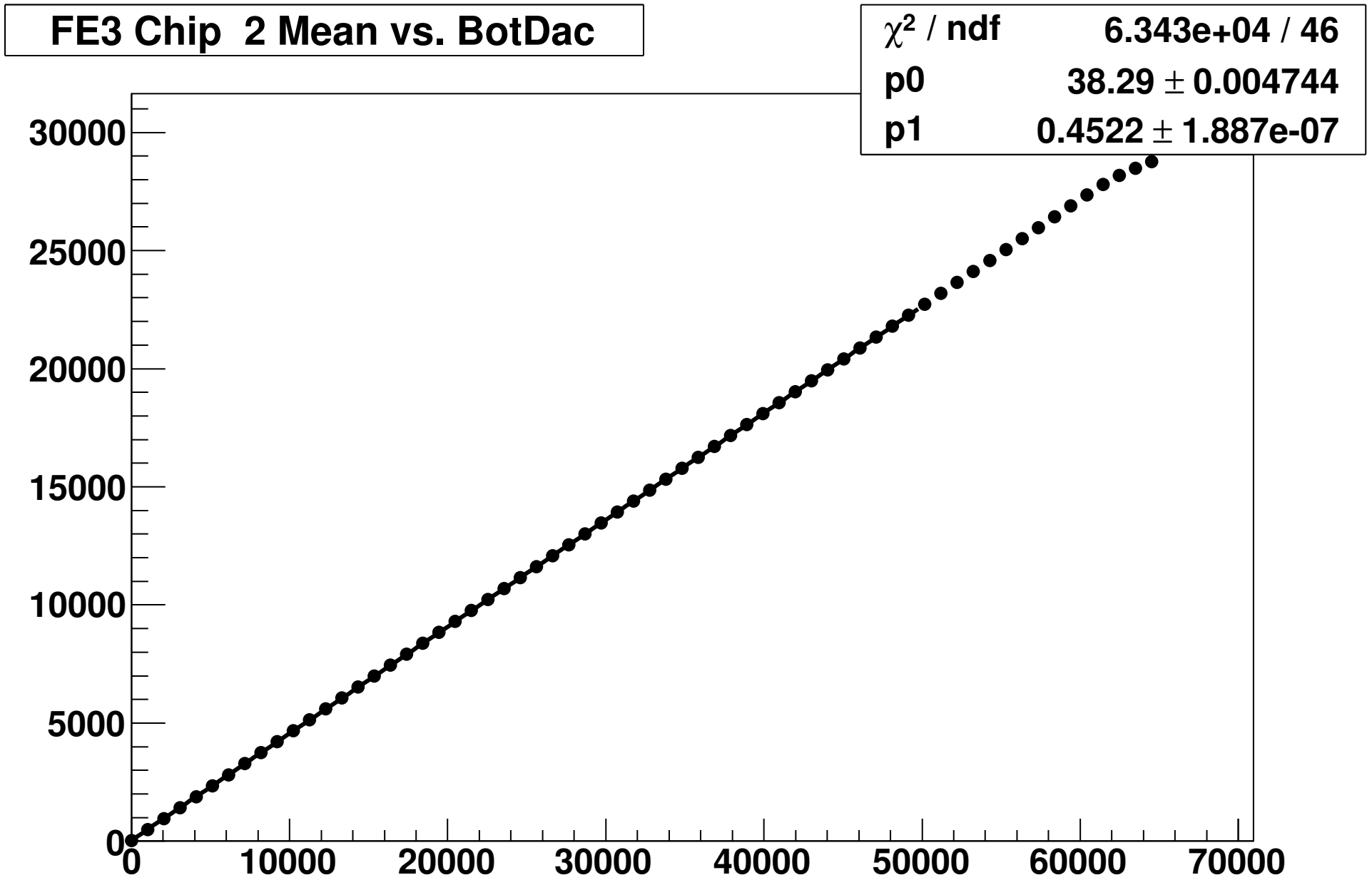
70000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 6.343e+04 / 46
p0 38.29 ± 0.004744
p1 0.4522 ± 1.887e-07
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25000
20000
15000
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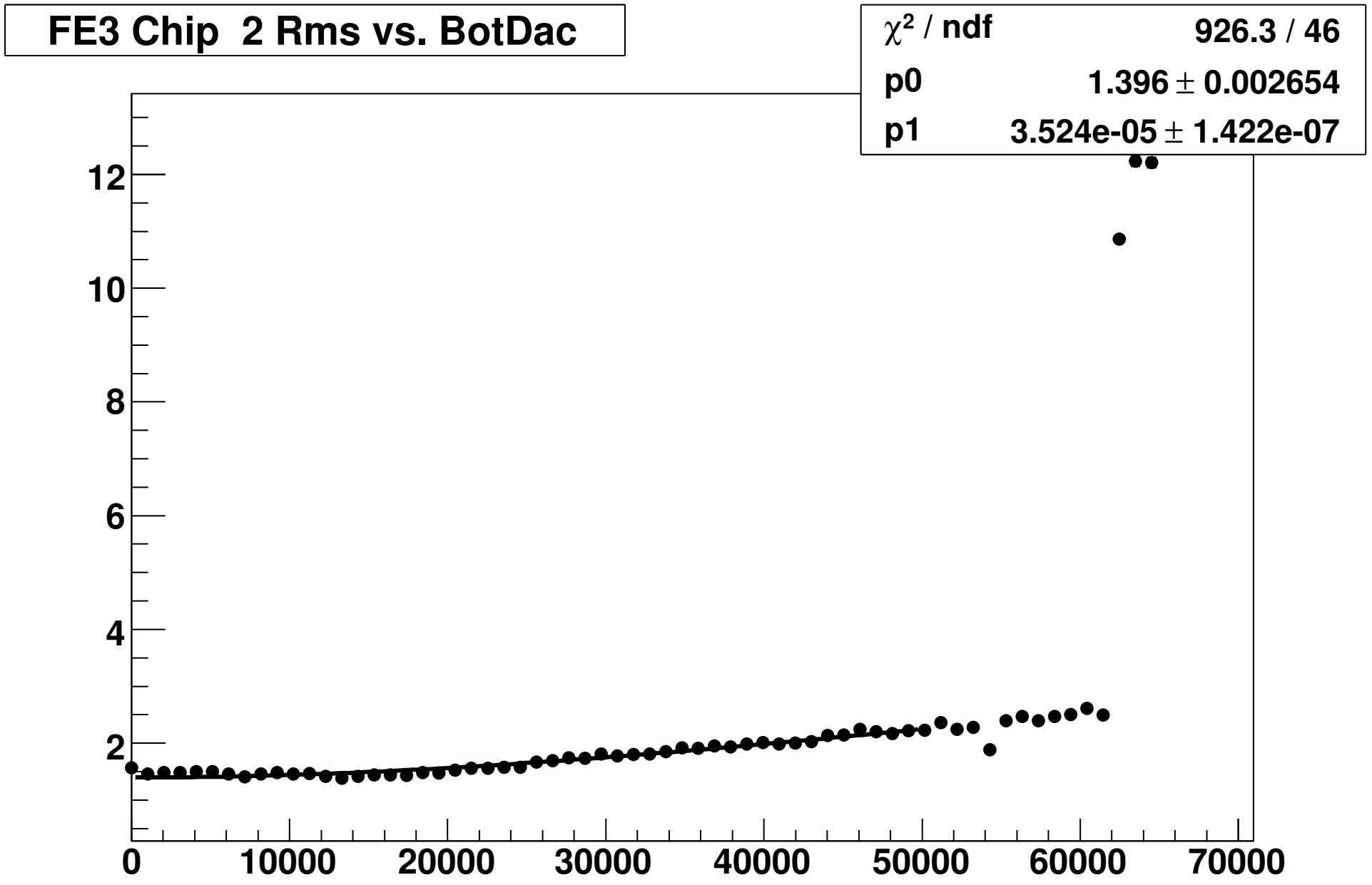
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 926.3 / 46
p0 1.396 ± 0.002654
p1 3.524e-05 ± 1.422e-07
12
10
8
6
4
2
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20000
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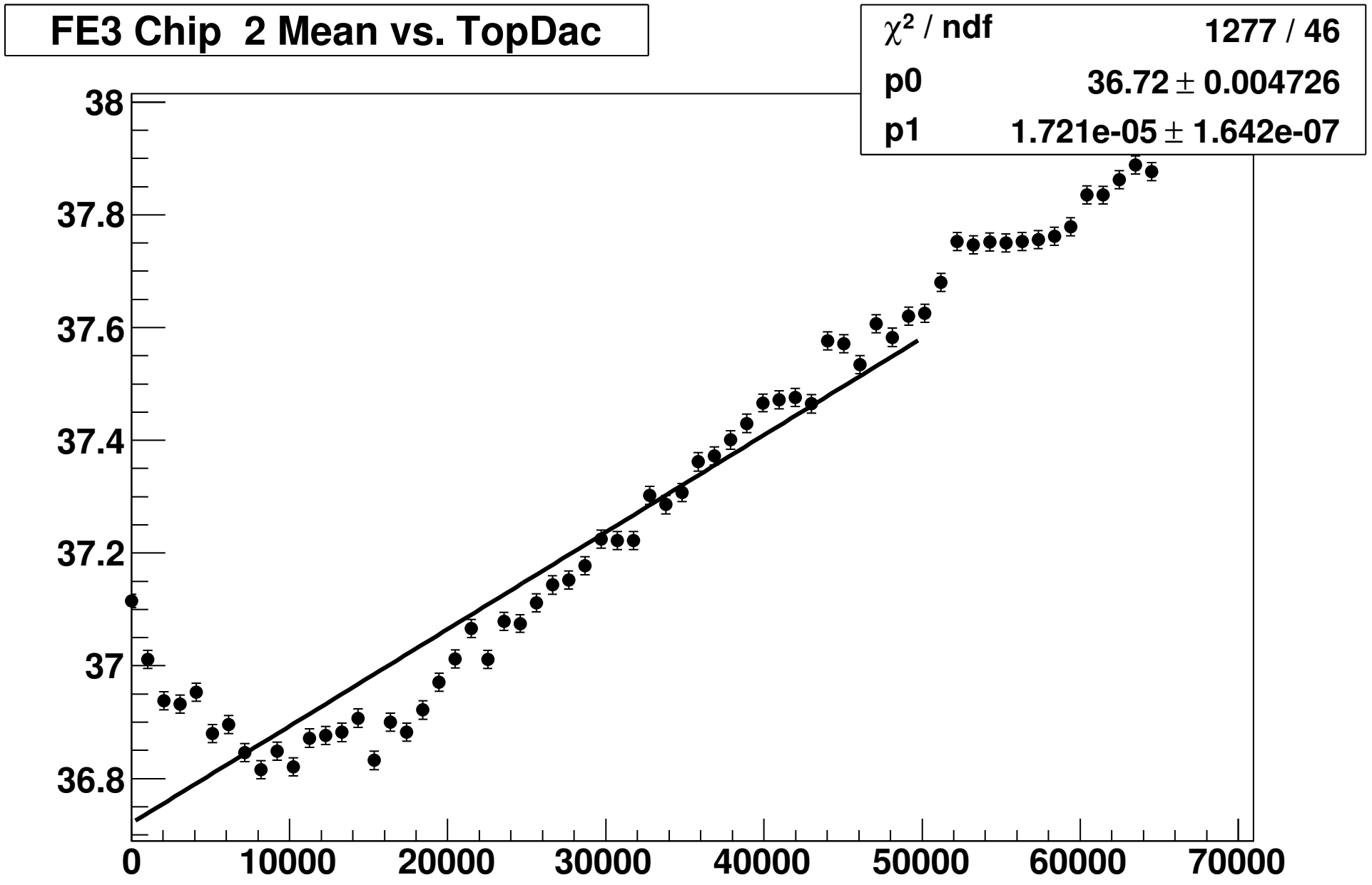
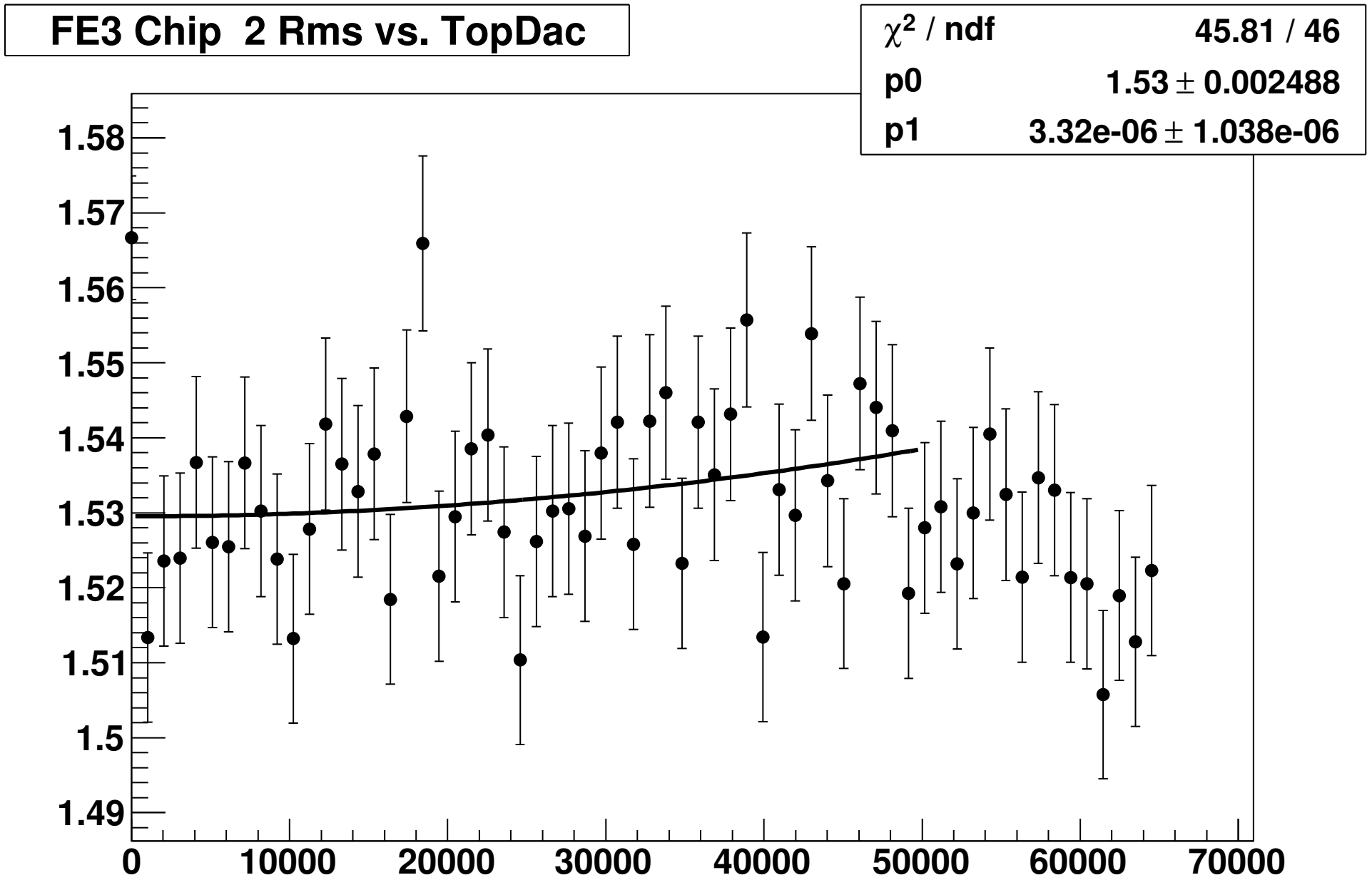
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1277 / 46
p0 36.72 ± 0.004726
p1 1.721e-05 ± 1.642e-07
38
37.8
37.6
37.4
37.2
37
36.8
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 45.81 / 46
p0 1.53 ± 0.002488
p1 3.32e-06 ± 1.038e-06
1.58
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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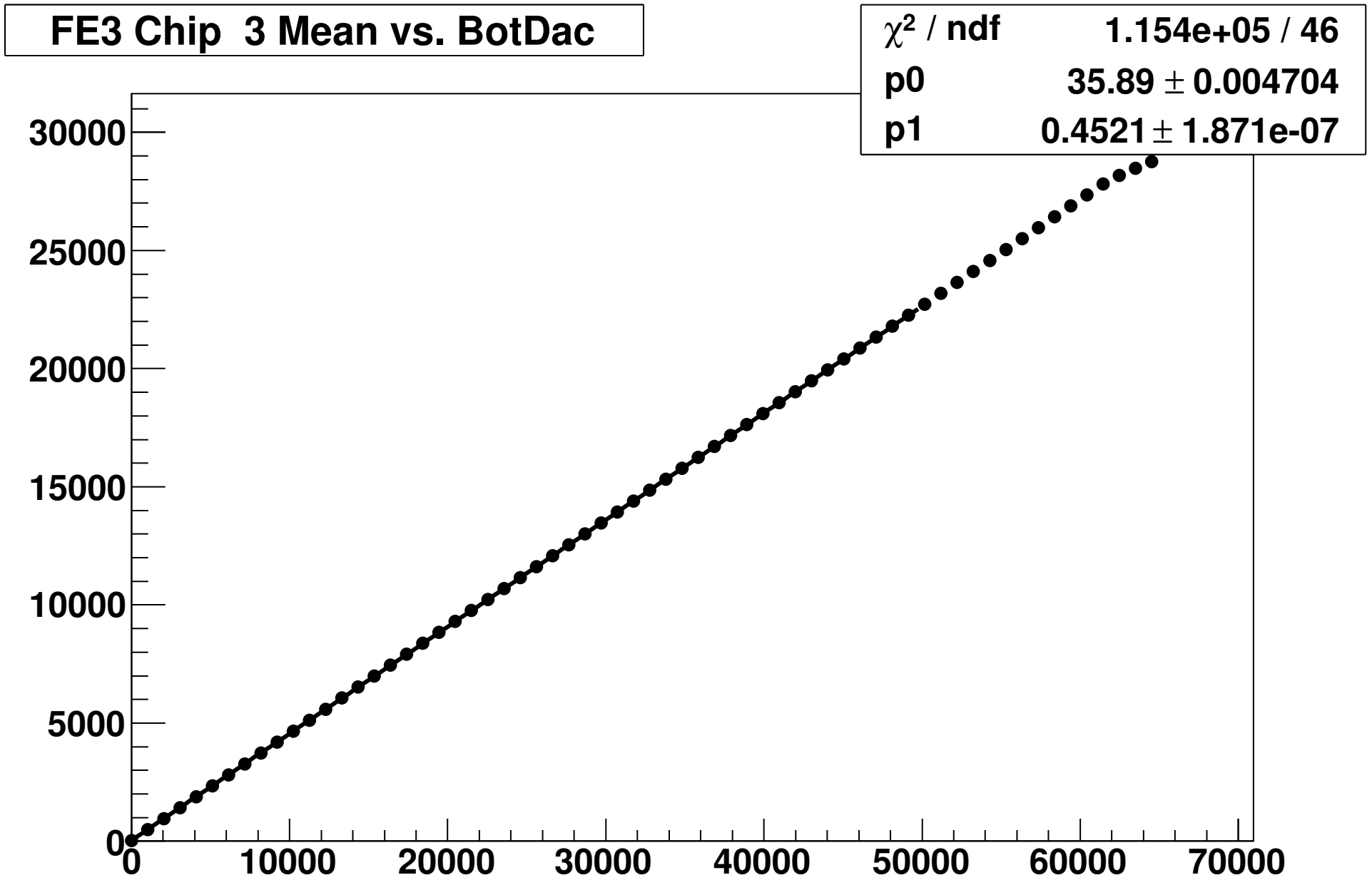
FE3 Chip 3 Mean vs. BotDac
χ² / ndf 1.154e+05 / 46
p0 35.89 ± 0.004704
p1 0.4521 ± 1.871e-07
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25000
20000
15000
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5000
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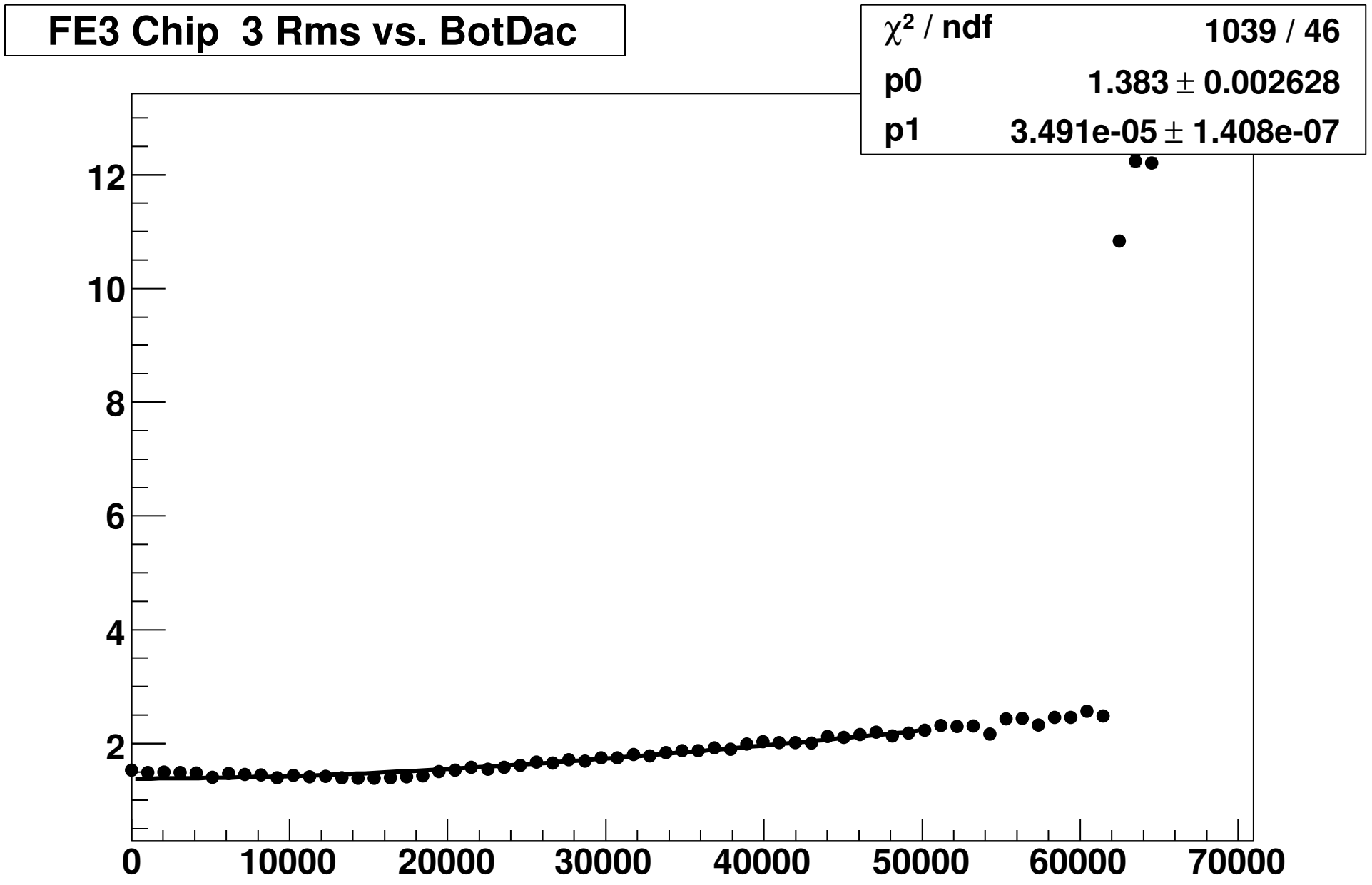
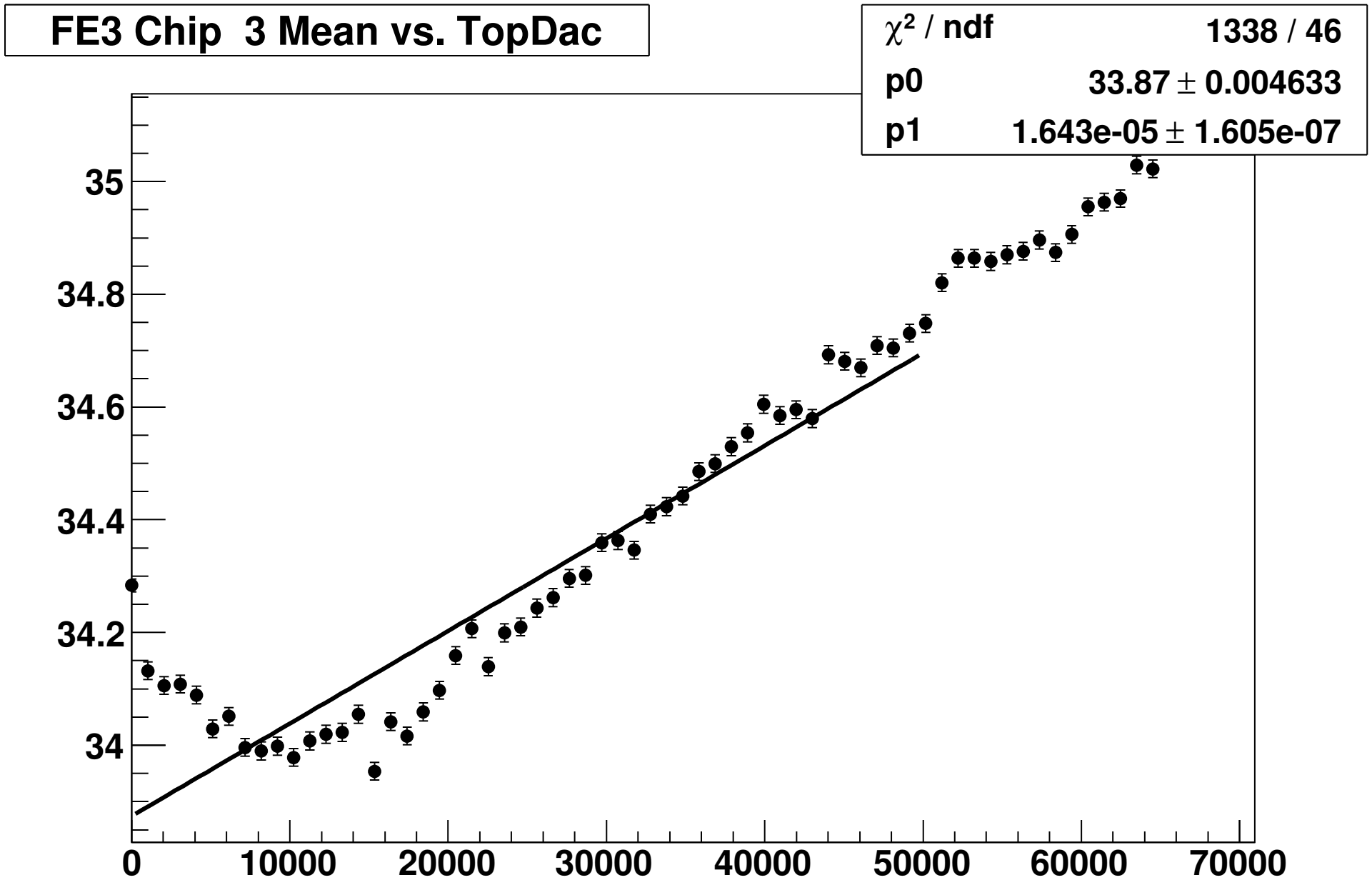
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1039 / 46
p0 1.383 ± 0.002628
p1 3.491e-05 ± 1.408e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1338 / 46
p0 33.87 ± 0.004633
p1 1.643e-05 ± 1.605e-07
35
34.8
34.6
34.4
34.2
34
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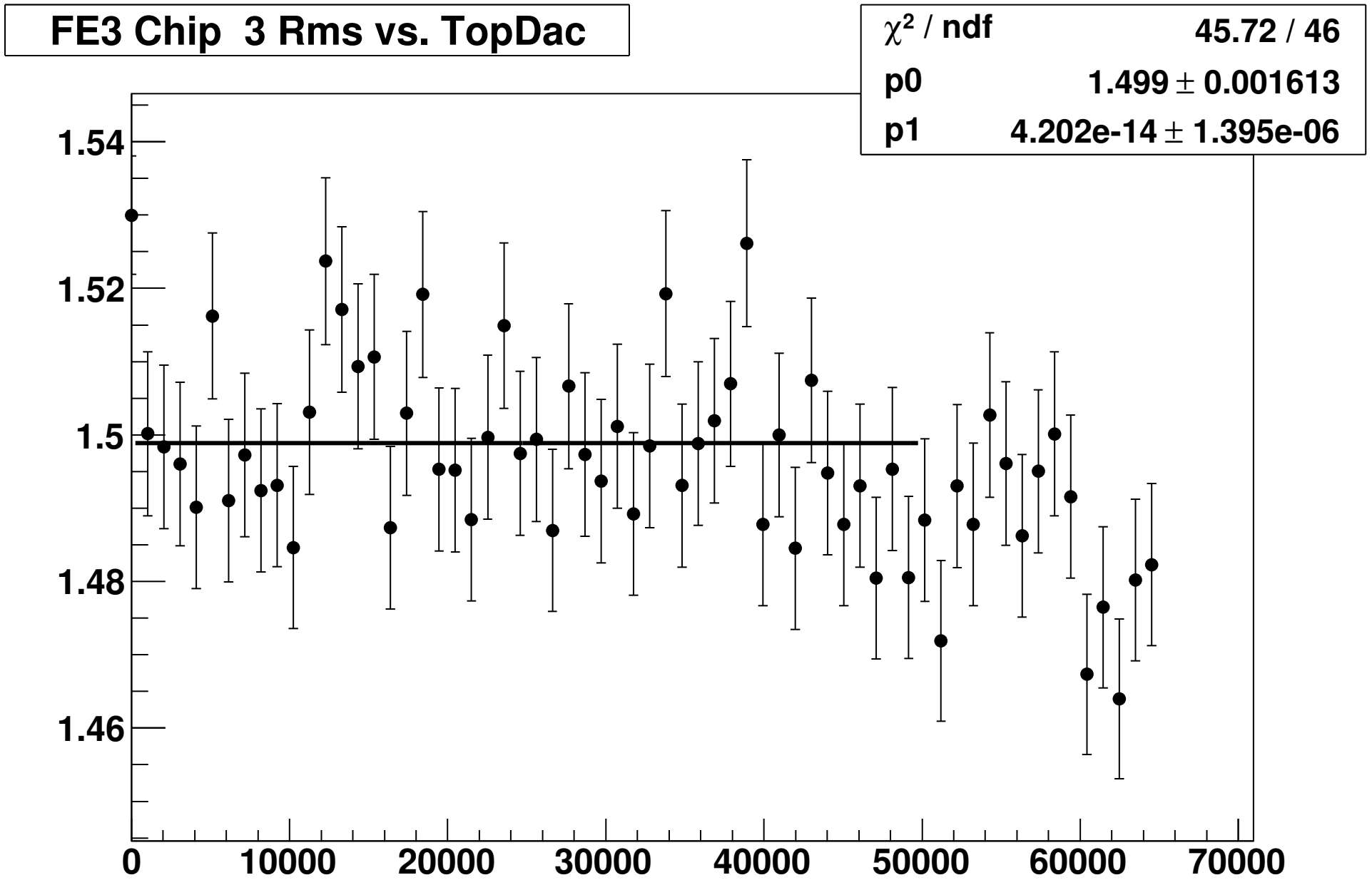
FE3 Chip 3 Rms vs. TopDac
χ² / ndf 45.72 / 46
p0 1.499 ± 0.001613
p1 4.202e-14 ± 1.395e-06
1.54
1.52
1.5
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1.46
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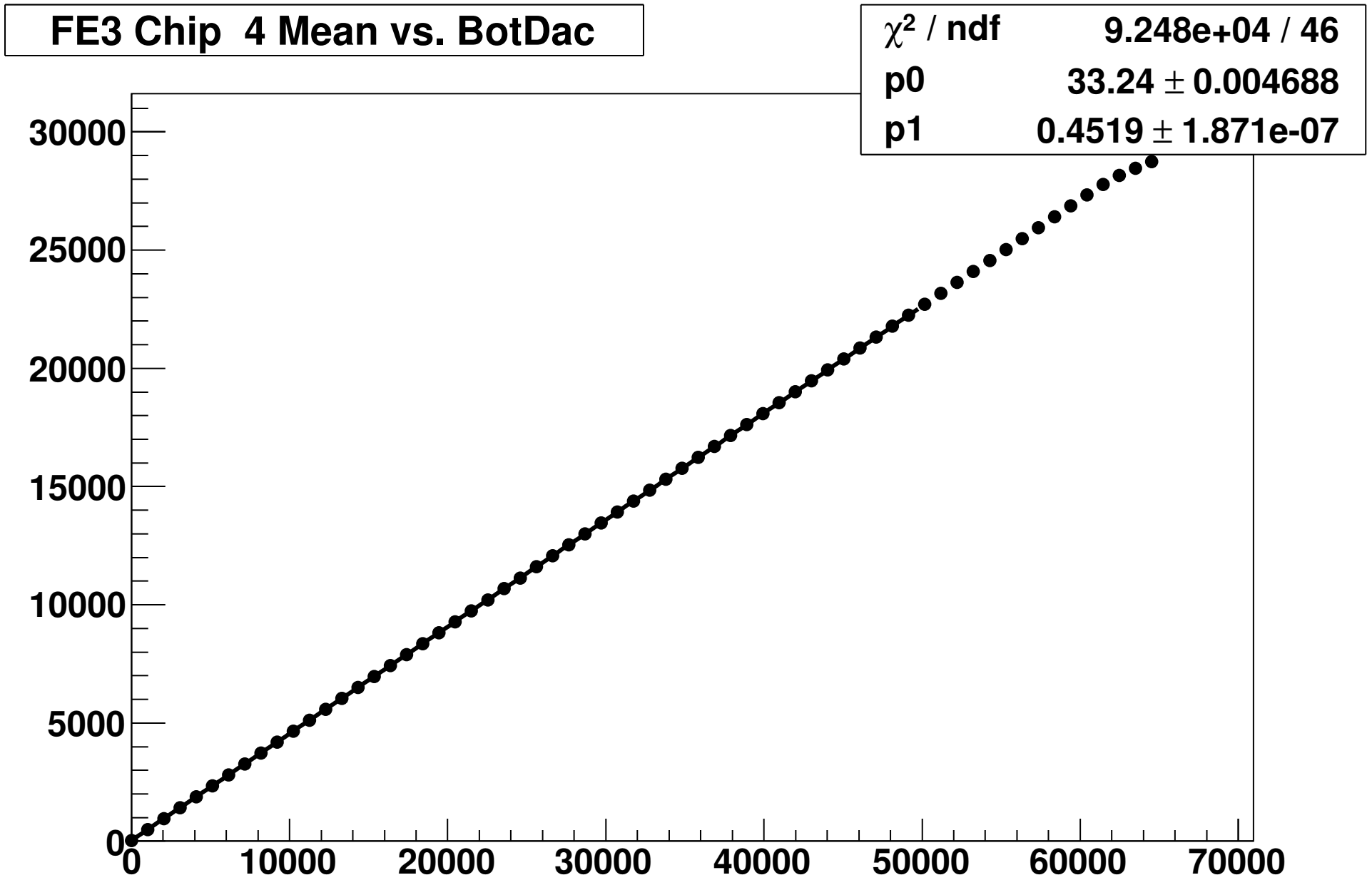
FE3 Chip 4 Mean vs. BotDac
χ² / ndf 9.248e+04 / 46
p0 33.24 ± 0.004688
p1 0.4519 ± 1.871e-07
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5000
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10000
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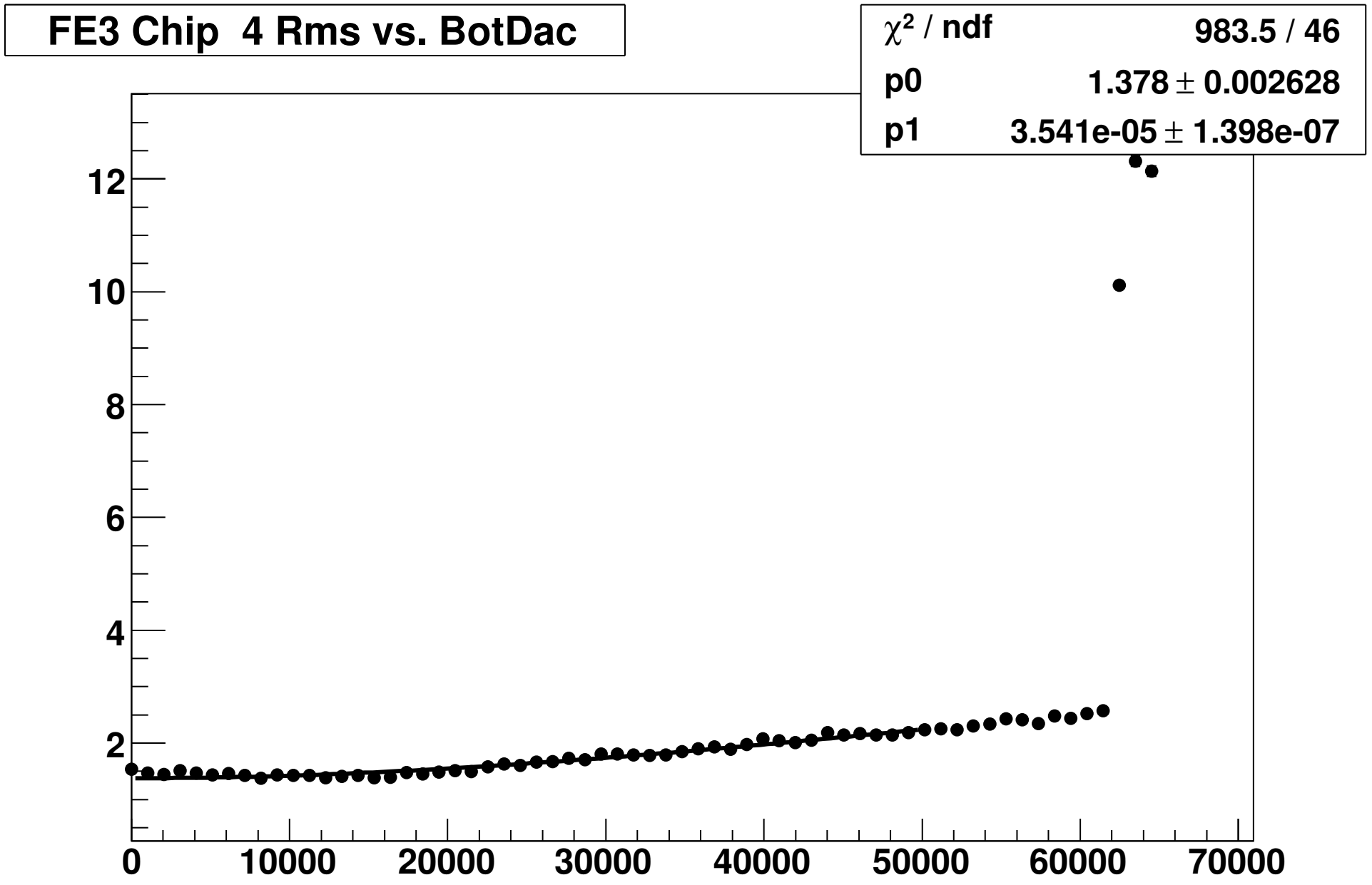
FE3 Chip 4 Rms vs. BotDac
χ² / ndf 983.5 / 46
p0 1.378 ± 0.002628
p1 3.541e-05 ± 1.398e-07
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10
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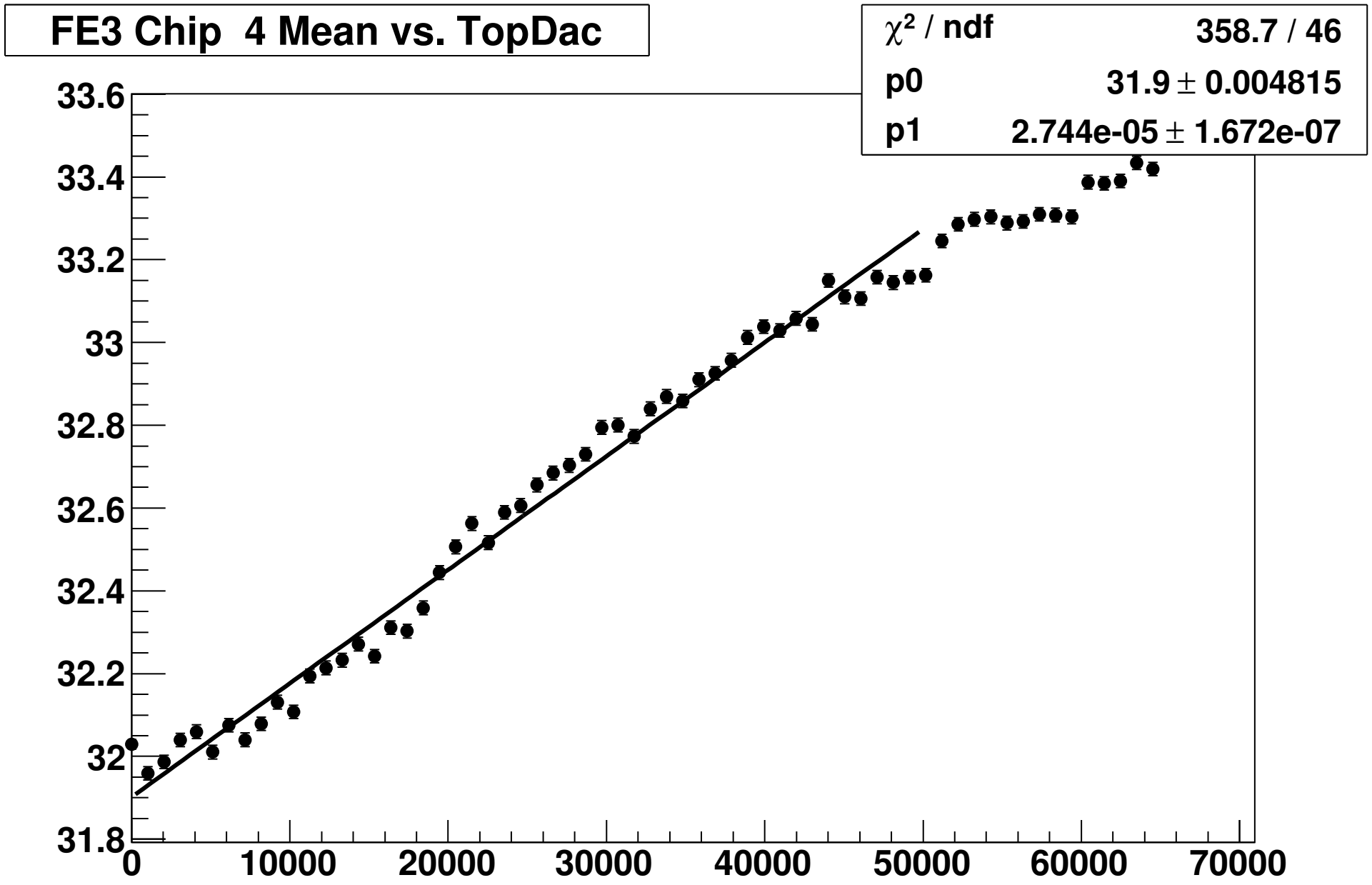
FE3 Chip 4 Mean vs. TopDac
χ² / ndf 358.7 / 46
p0 31.9 ± 0.004815
p1 2.744e-05 ± 1.672e-07
33.6
33.4
33.2
33
32.8
32.6
32.4
32.2
32
31.8
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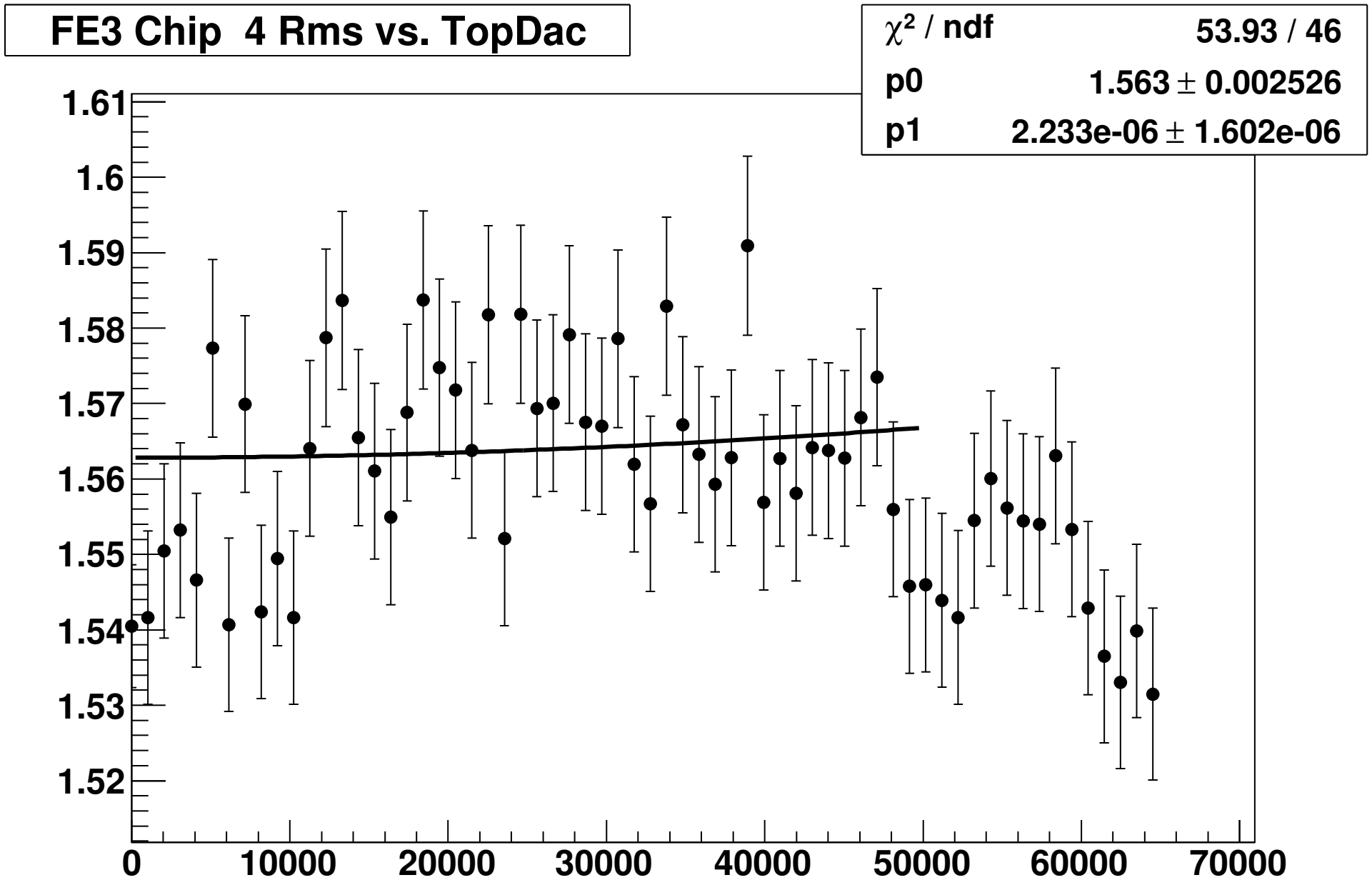
FE3 Chip 4 Rms vs. TopDac
χ² / ndf 53.93 / 46
p0 1.563 ± 0.002526
p1 2.233e-06 ± 1.602e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
0
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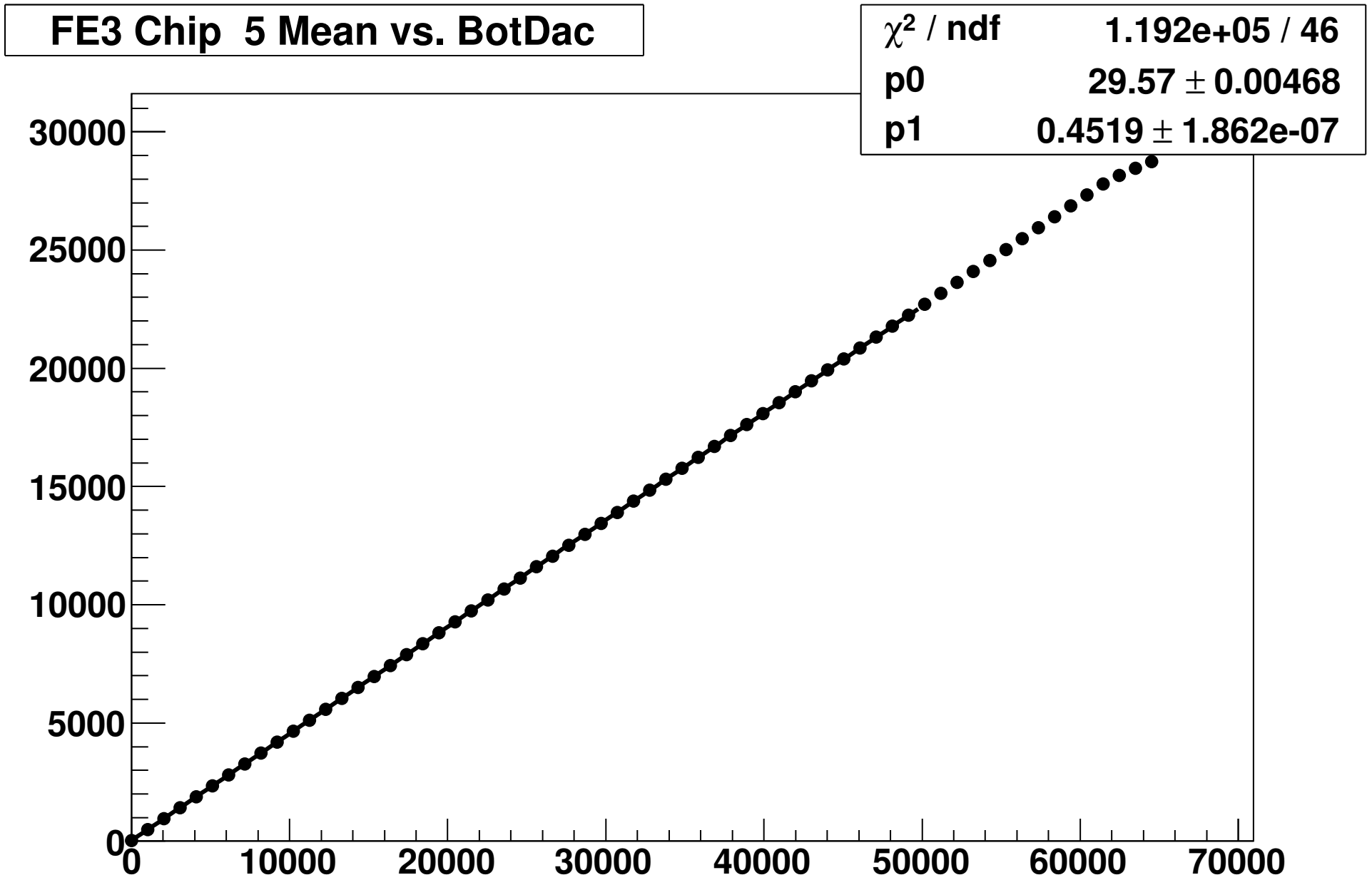
FE3 Chip 5 Mean vs. BotDac
χ² / ndf 1.192e+05 / 46
p0 29.57 ± 0.00468
p1 0.4519 ± 1.862e-07
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15000
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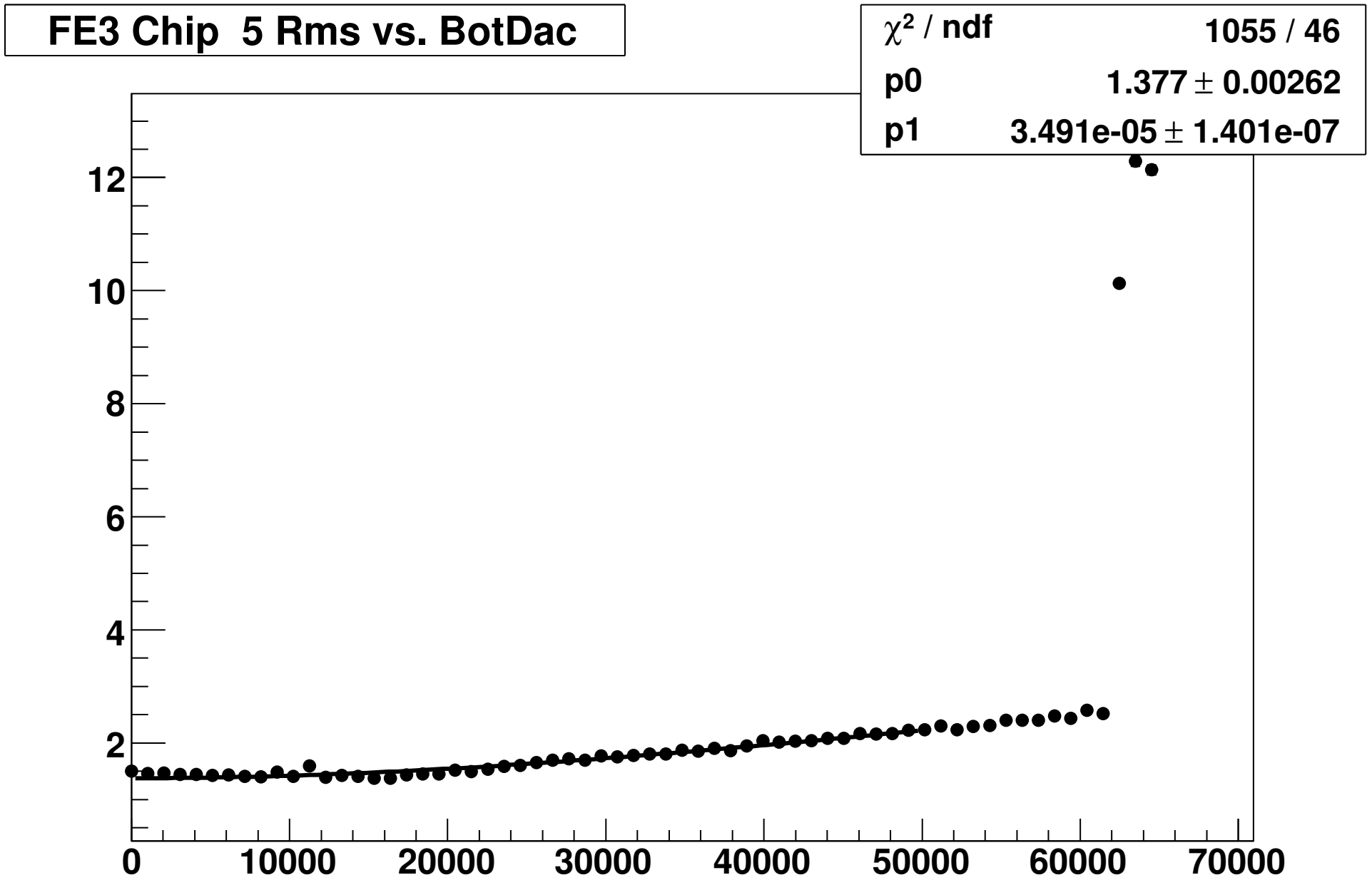
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1055 / 46
p0 1.377 ± 0.00262
p1 3.491e-05 ± 1.401e-07
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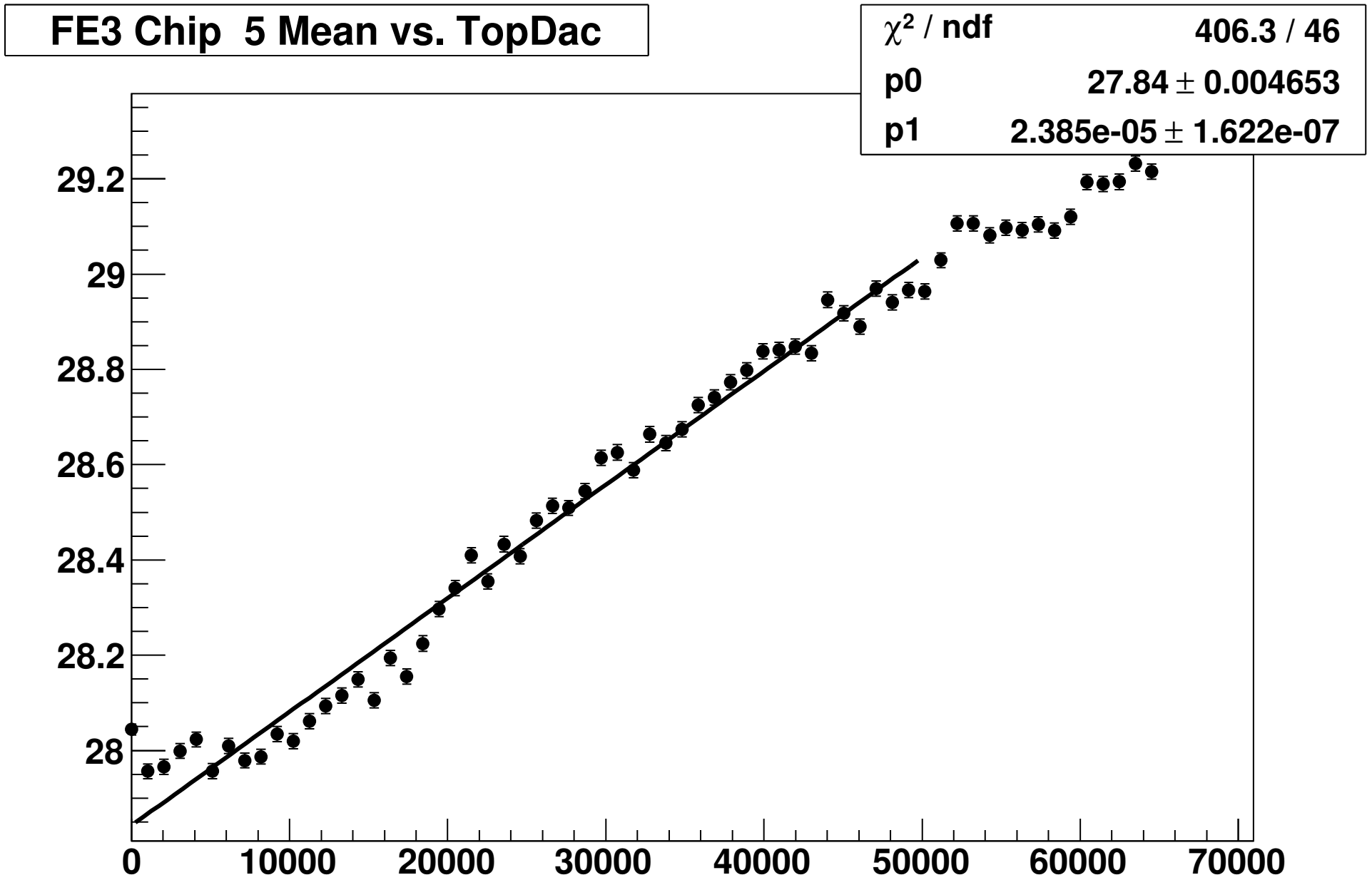
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 406.3 / 46
p0 27.84 ± 0.004653
p1 2.385e-05 ± 1.622e-07
29.2
29
28.8
28.6
28.4
28.2
28
0
10000
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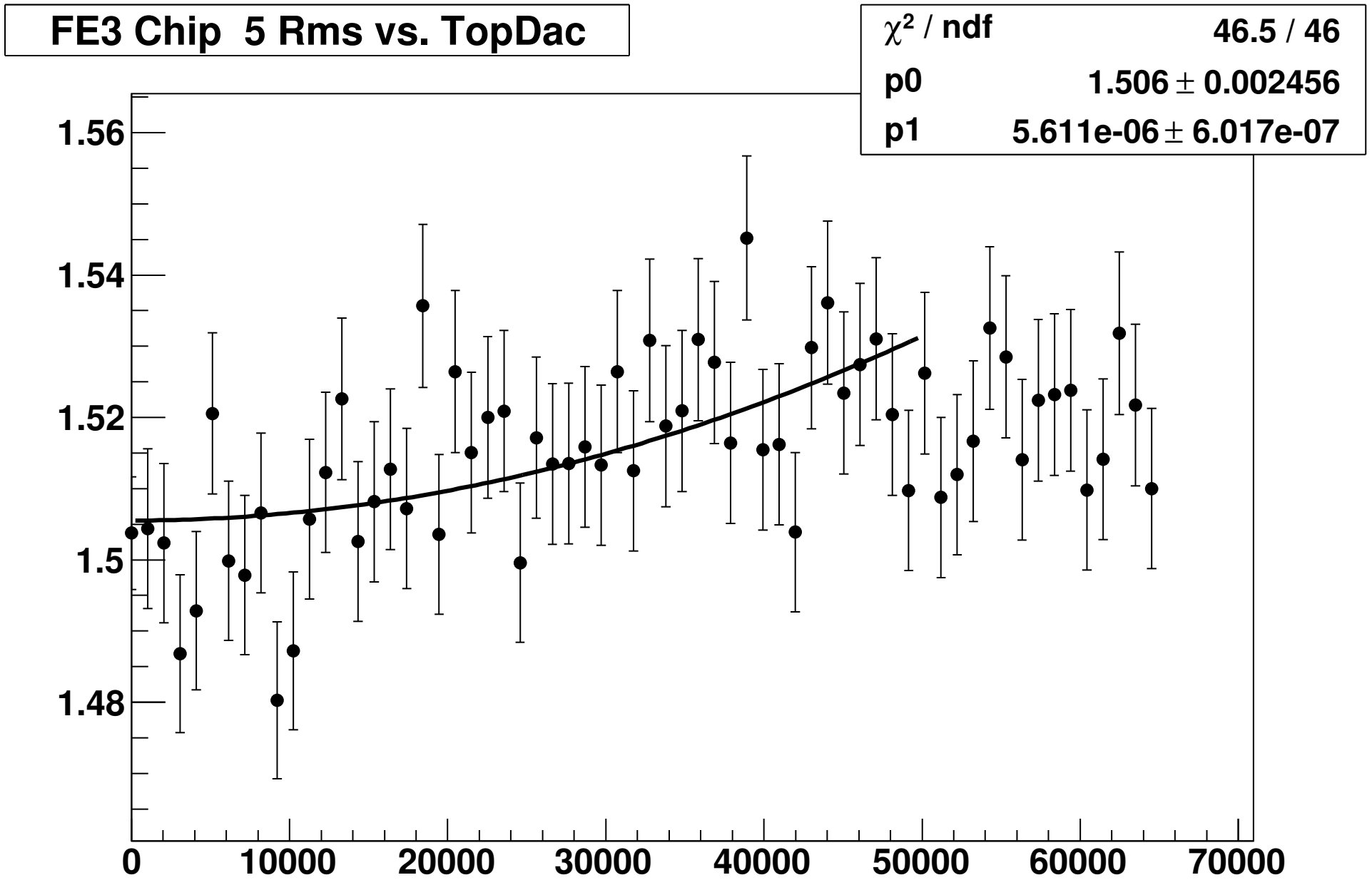
30000
40000
50000
60000
70000


FE3 Chip 5 Rms vs. TopDac
χ² / ndf 46.5 / 46
p0 1.506 ± 0.002456
p1 5.611e-06 ± 6.017e-07
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
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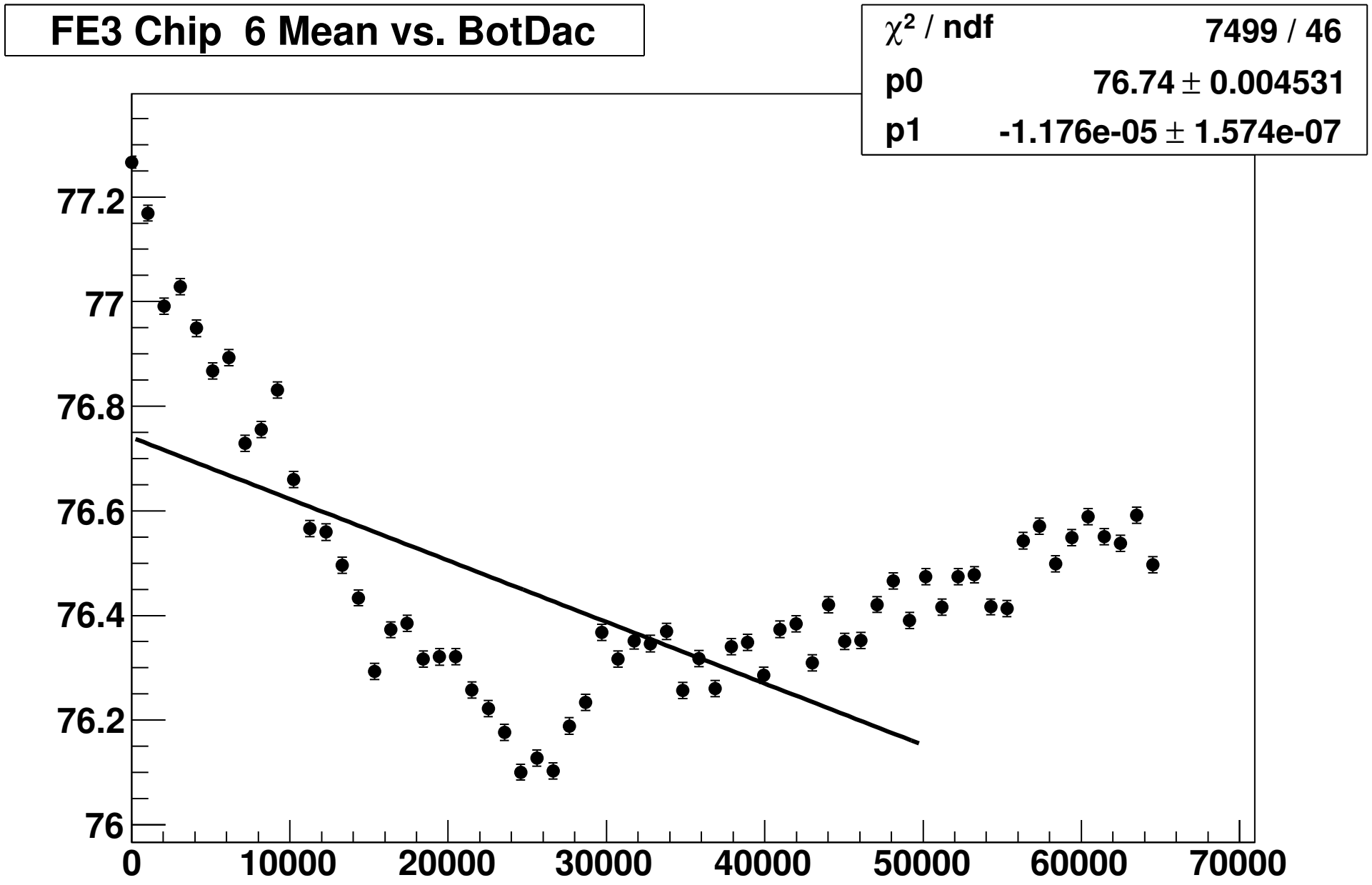
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 7499 / 46
p0 76.74 ± 0.004531
p1 -1.176e-05 ± 1.574e-07
77.2
77
76.8
76.6
76.4
76.2
76
0
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50000
60000
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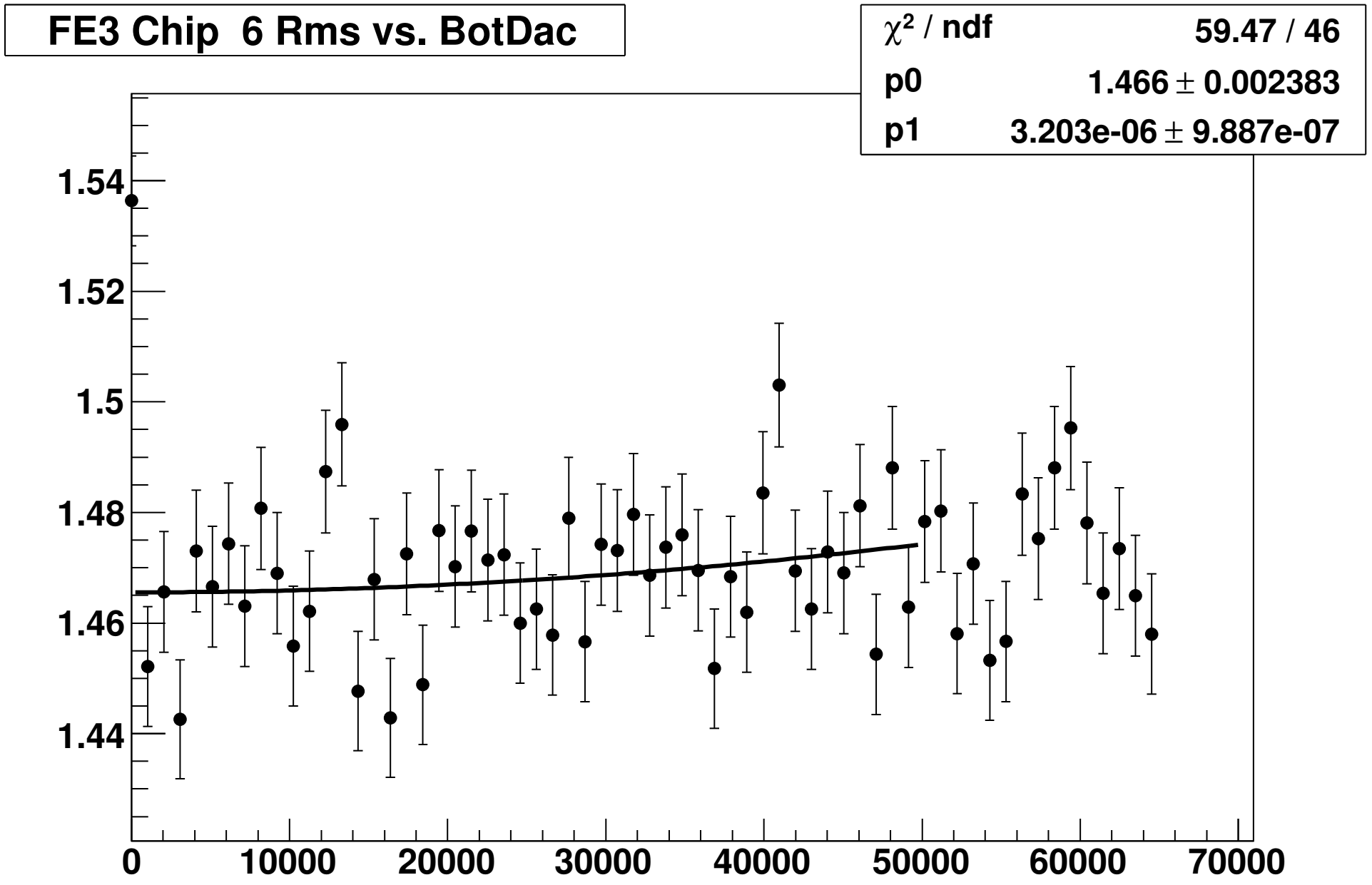
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 59.47 / 46
p0 1.466 ± 0.002383
p1 3.203e-06 ± 9.887e-07
1.54
1.52
1.5
1.48
1.46
1.44
0
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30000
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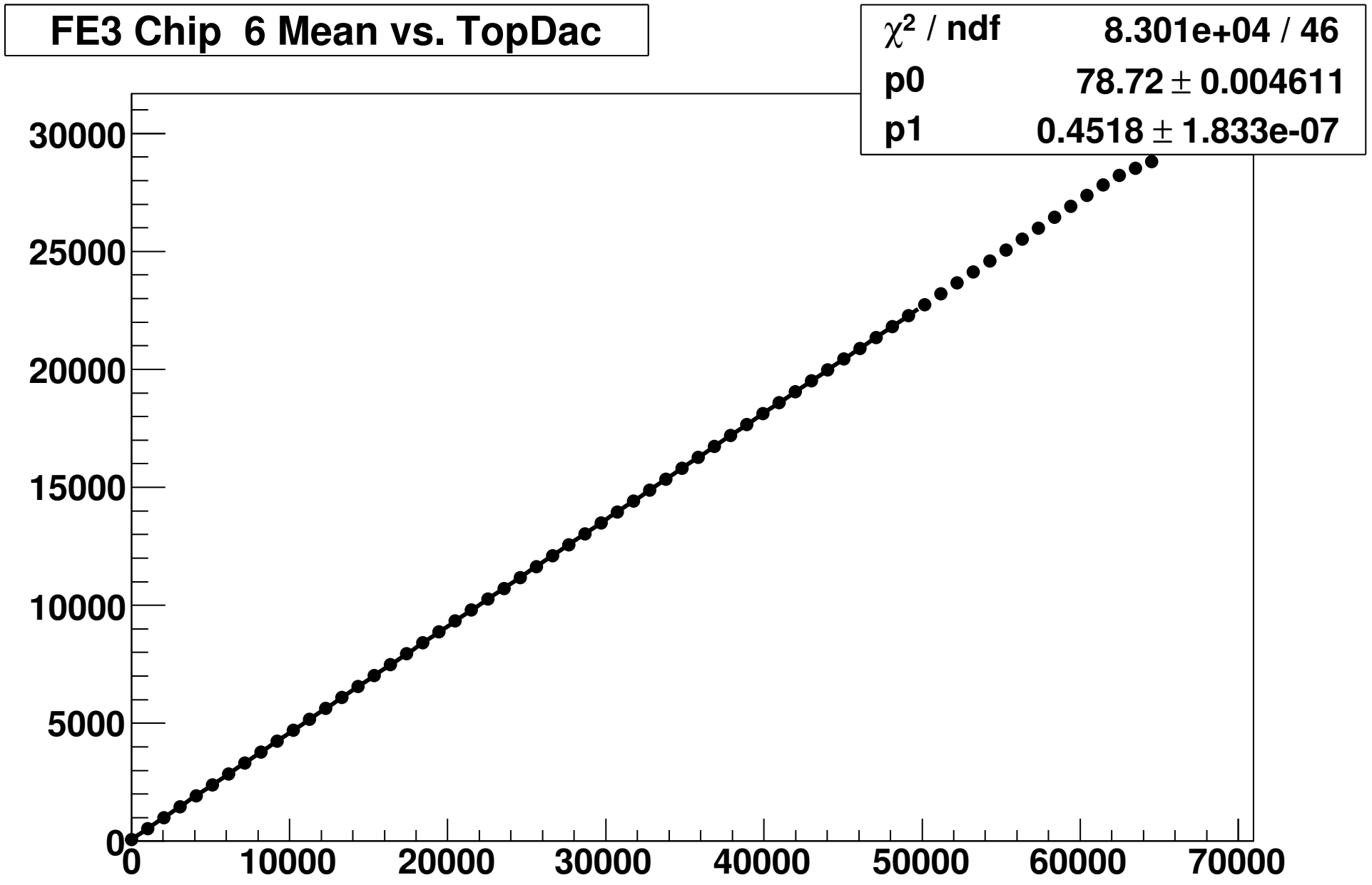
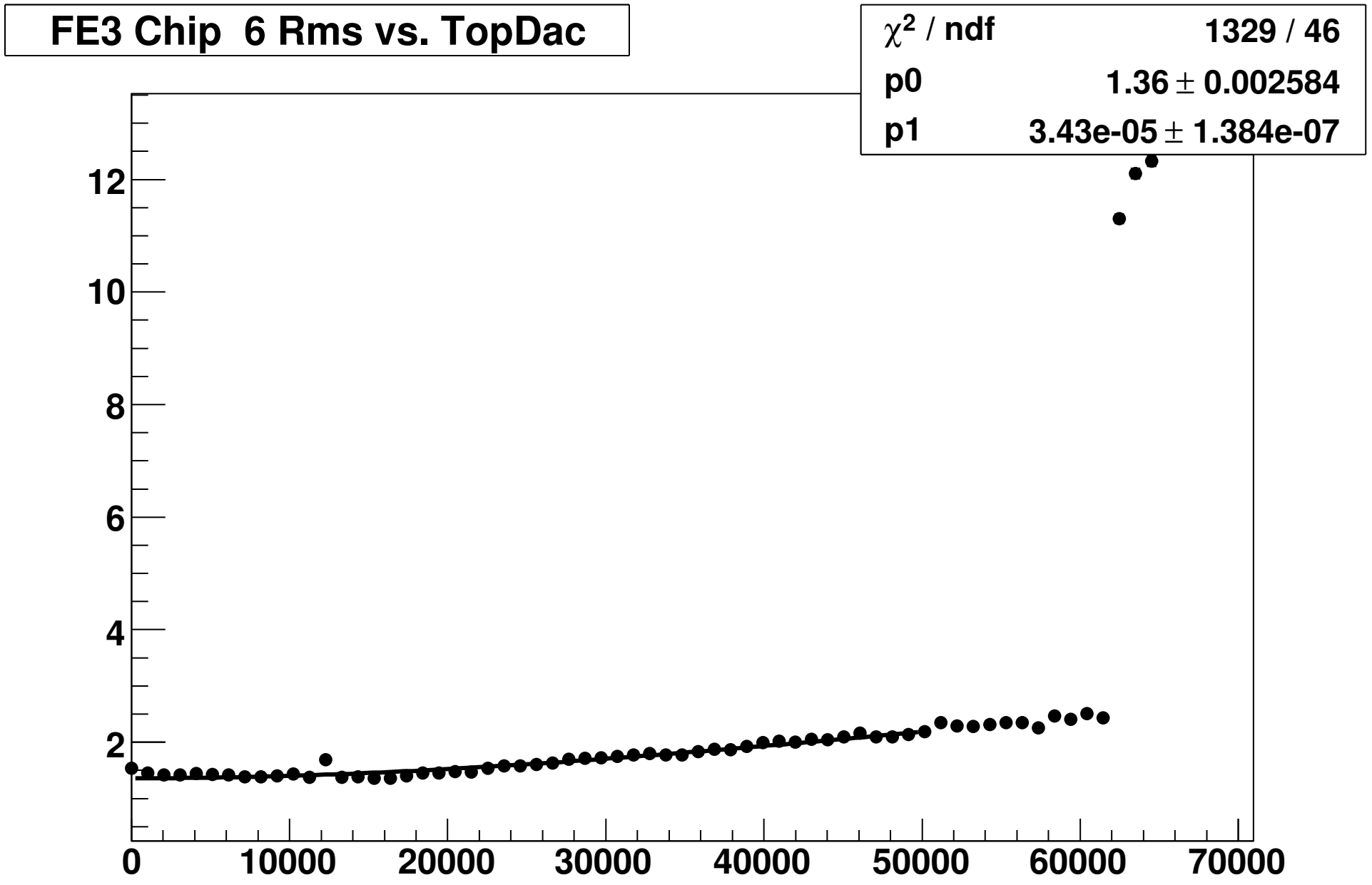
50000
60000
70000


FE3 Chip 6 Mean vs. TopDac
χ² / ndf 8.301e+04 / 46
p0 78.72 ± 0.004611
p1 0.4518 ± 1.833e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1329 / 46
p0 1.36 ± 0.002584
p1 3.43e-05 ± 1.384e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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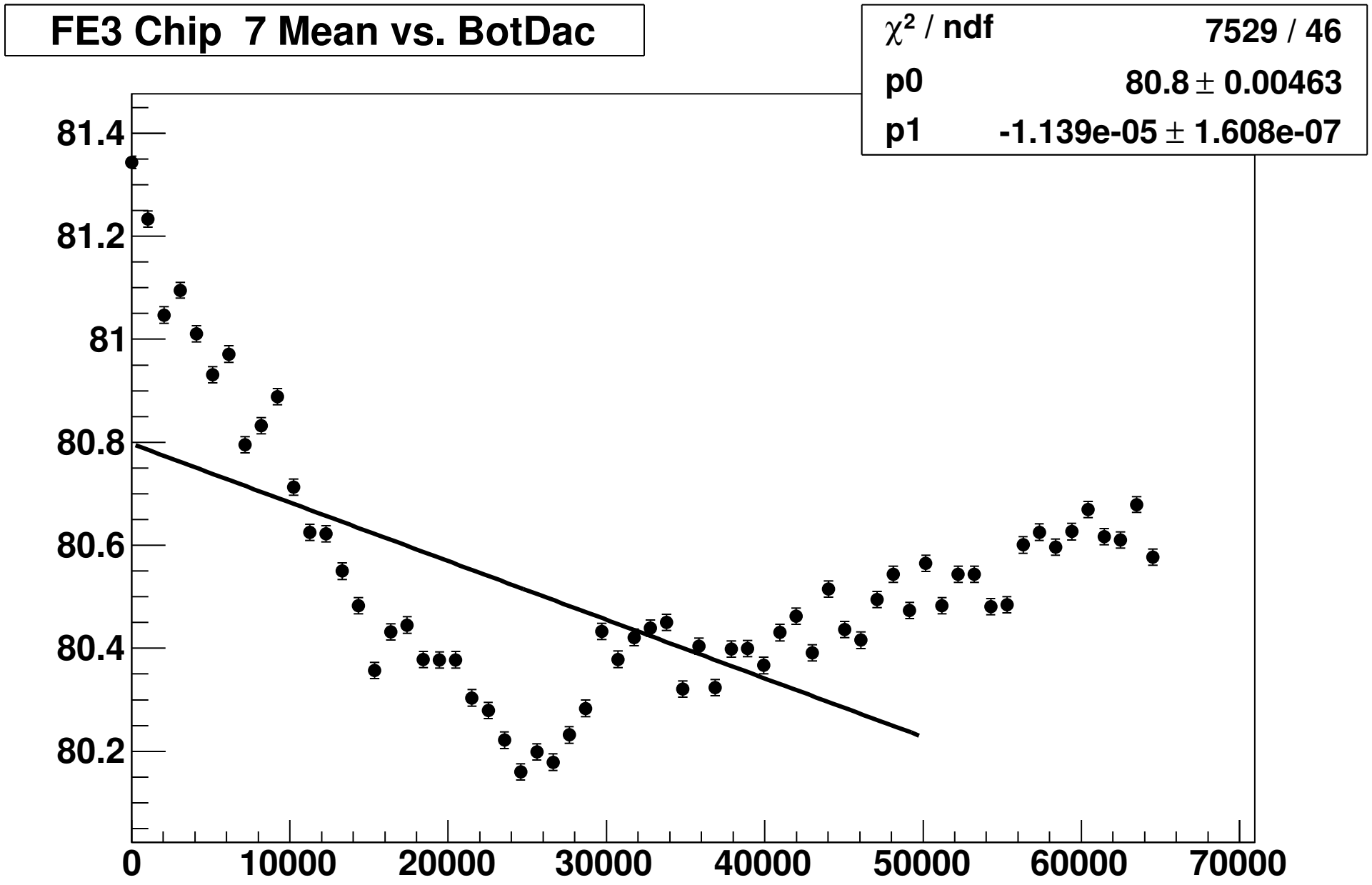
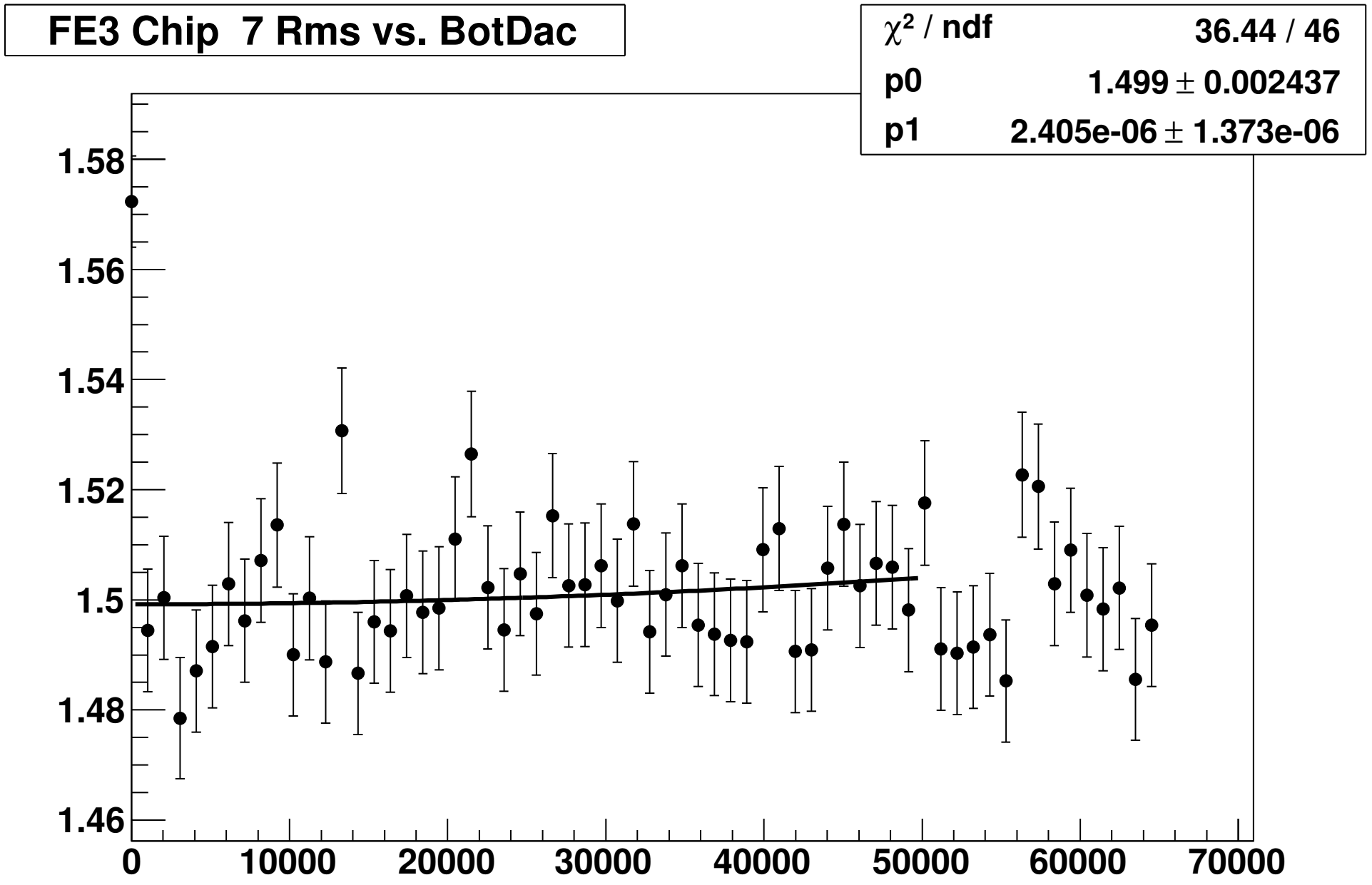
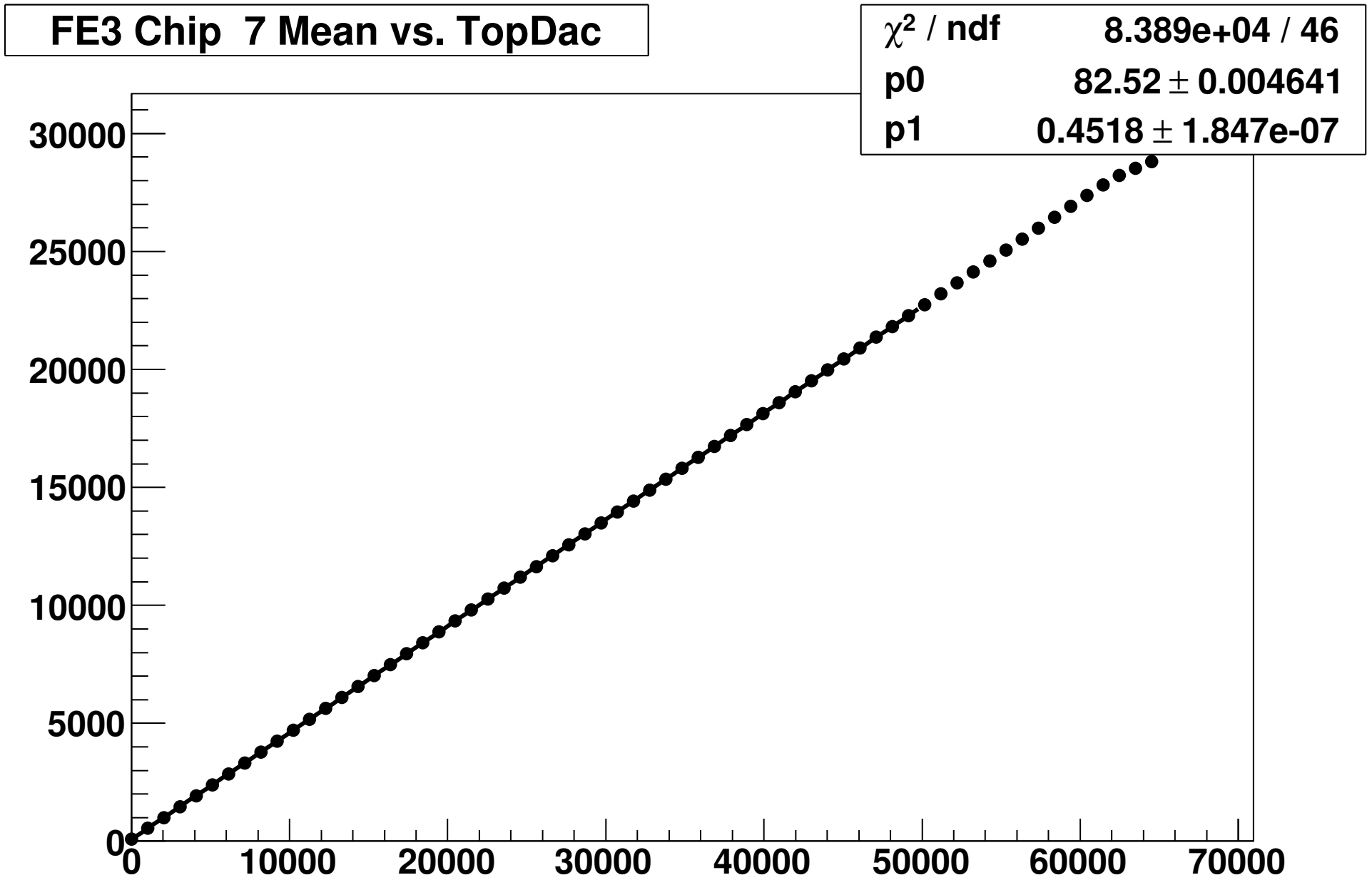

FE3 Chip 7 Mean vs. BotDac
χ² / ndf 7529 / 46
p0 80.8 ± 0.00463
p1 -1.139e-05 ± 1.608e-07
81.4
81.2
81
80.8
80.6
80.4
80.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 36.44 / 46
p0 1.499 ± 0.002437
p1 2.405e-06 ± 1.373e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 8.389e+04 / 46
p0 82.52 ± 0.004641
p1 0.4518 ± 1.847e-07
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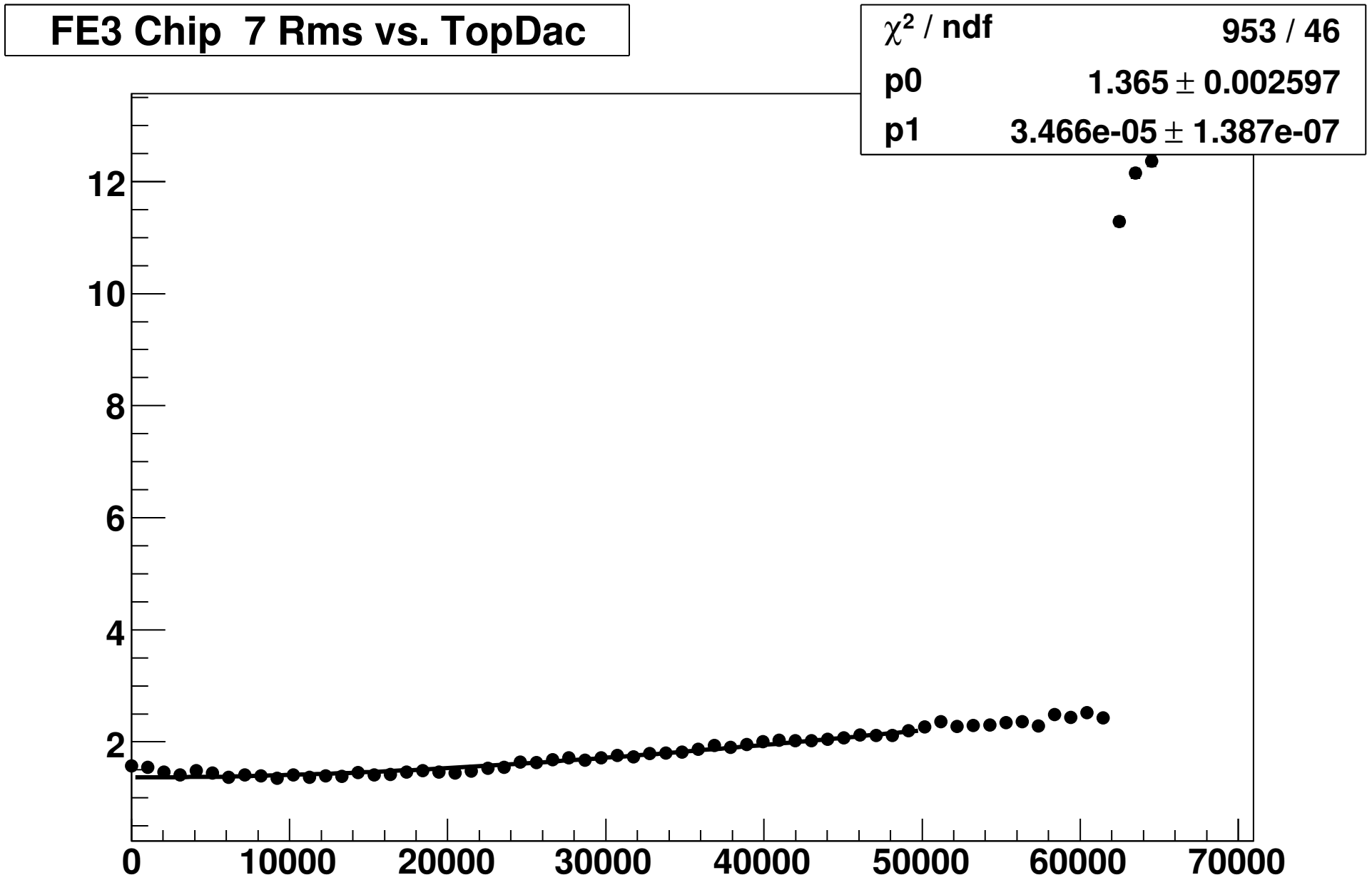
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 953 / 46
p0 1.365 ± 0.002597
p1 3.466e-05 ± 1.387e-07
12
10
8
6
4
2
0
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20000
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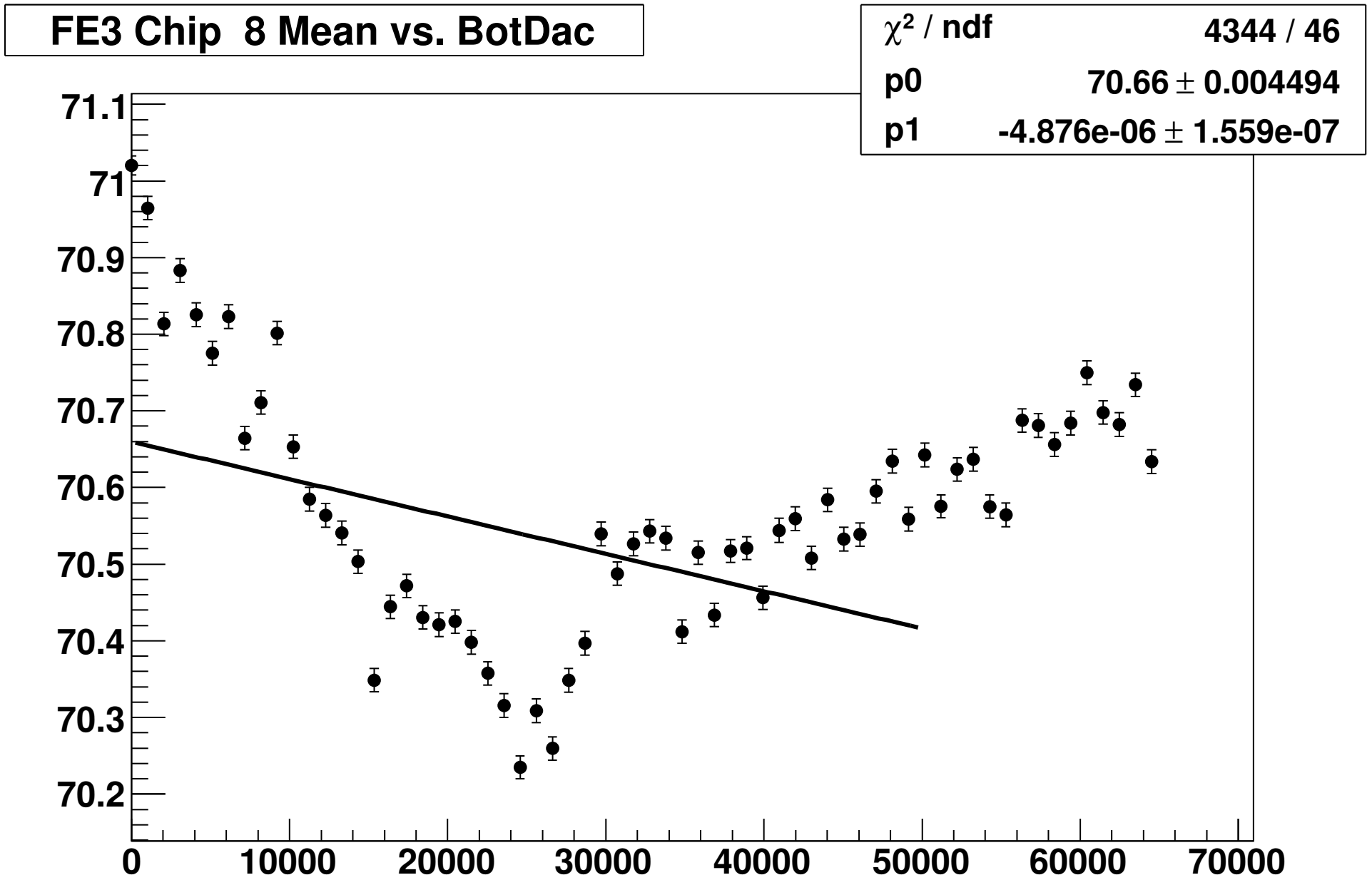
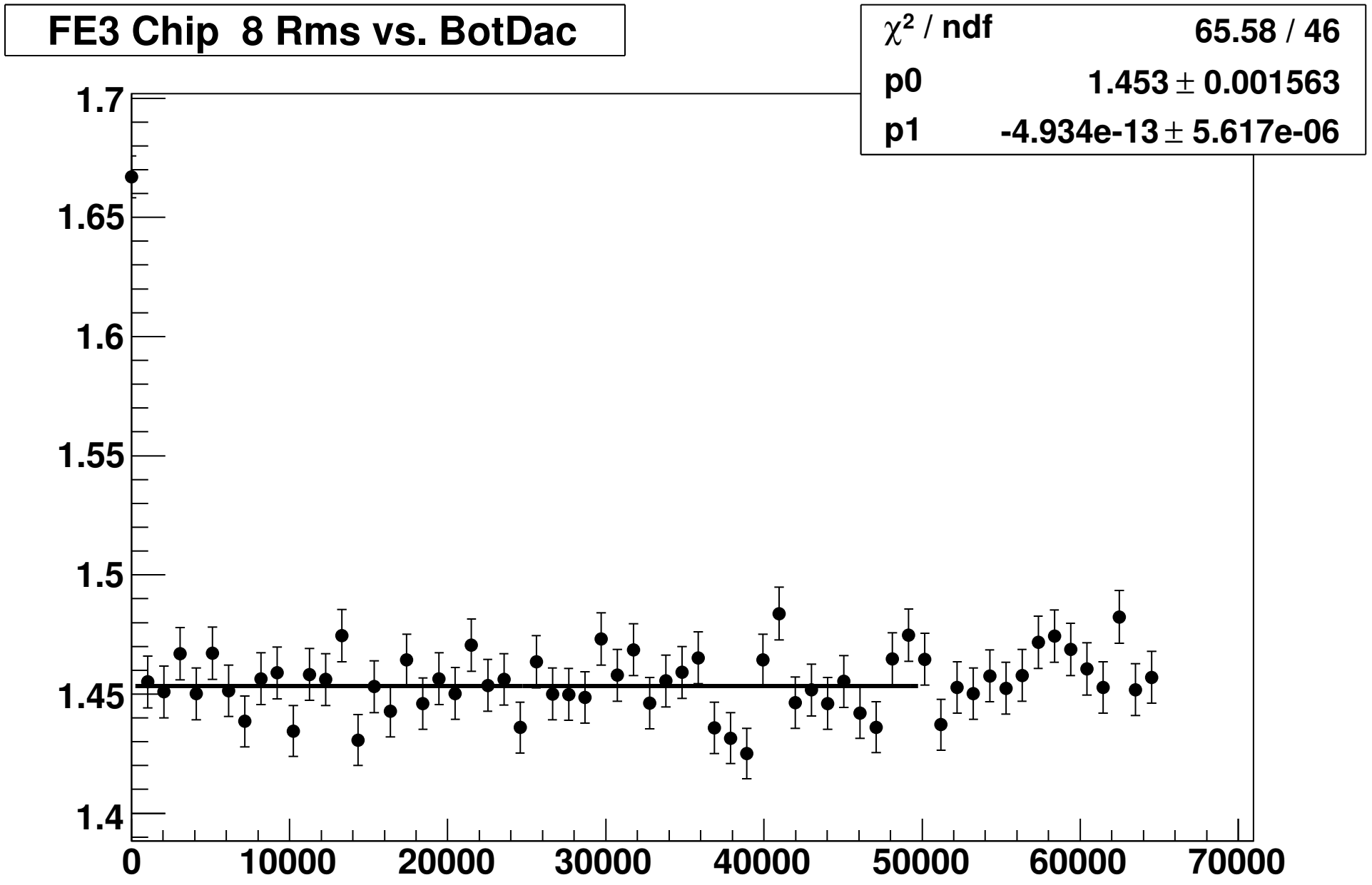
50000
60000
70000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 4344 / 46
p0 70.66 ± 0.004494
p1 -4.876e-06 ± 1.559e-07
71.1
71
70.9
70.8
70.7
70.6
70.5
70.4
70.3
70.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. BotDac
χ² / ndf 65.58 / 46
p0 1.453 ± 0.001563
p1 -4.934e-13 ± 5.617e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
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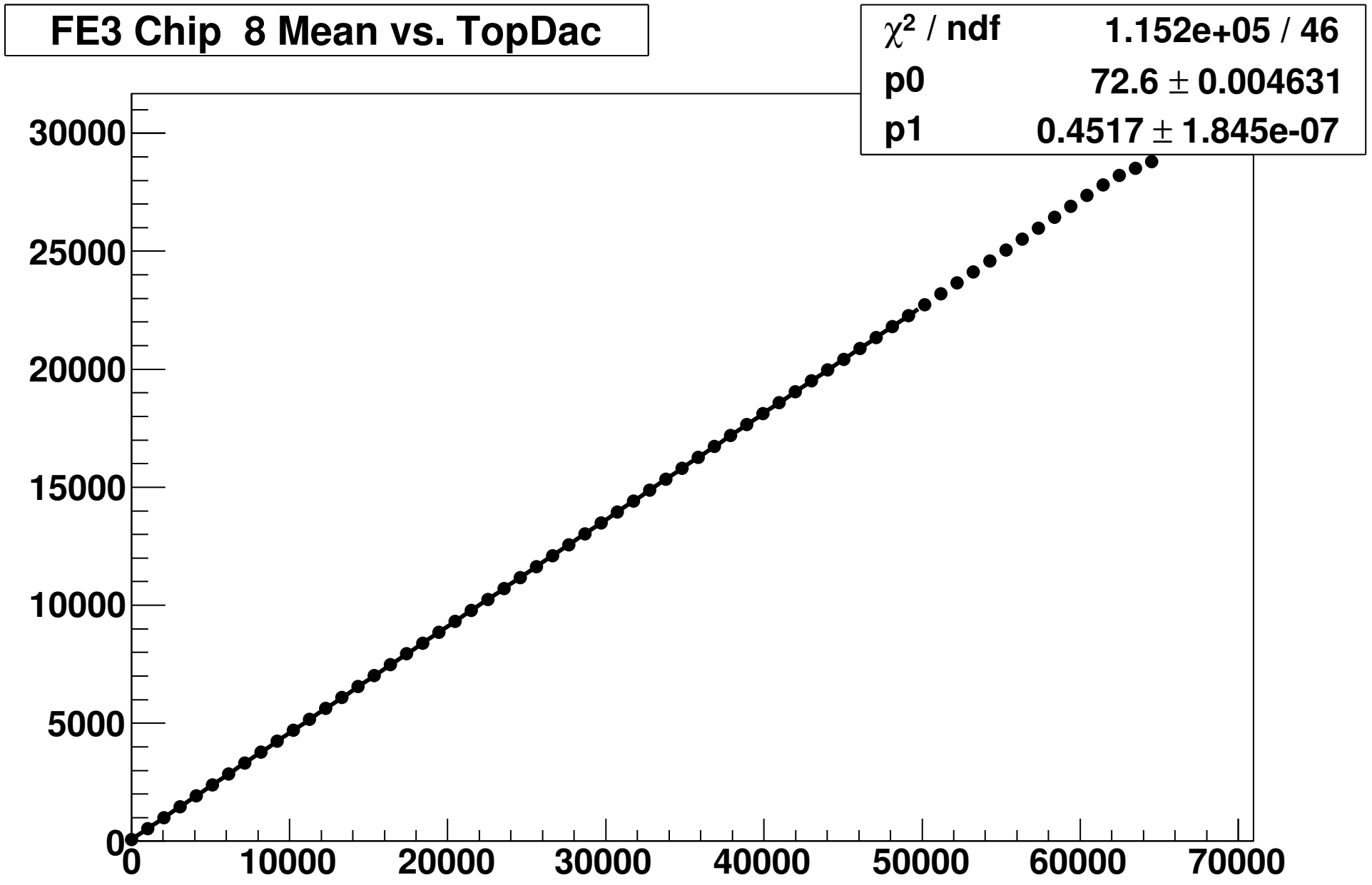
FE3 Chip 8 Mean vs. TopDac
χ² / ndf 1.152e+05 / 46
p0 72.6 ± 0.004631
p1 0.4517 ± 1.845e-07
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20000
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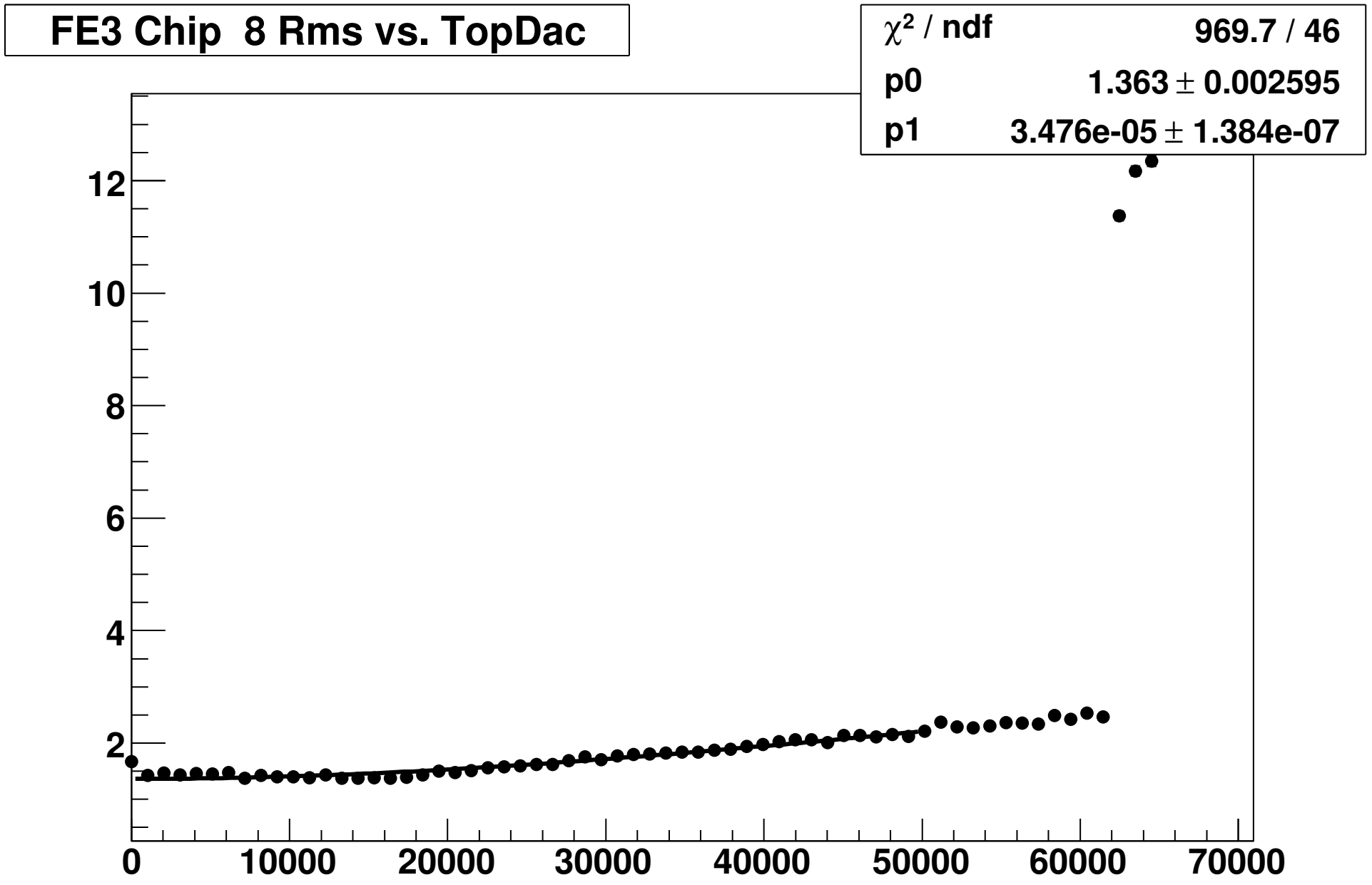
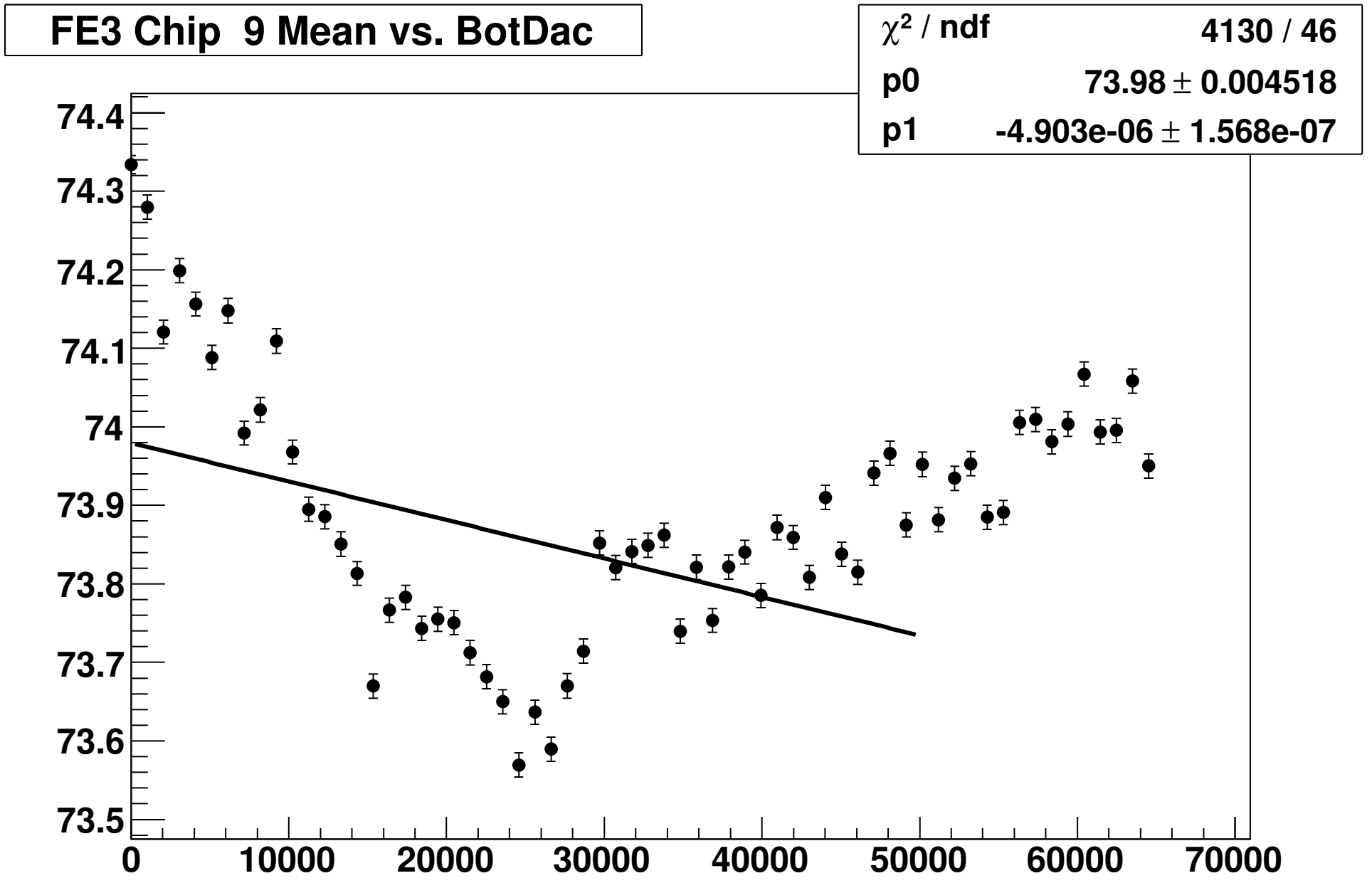
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 969.7 / 46
p0 1.363 ± 0.002595
p1 3.476e-05 ± 1.384e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 4130 / 46
p0 73.98 ± 0.004518
p1 -4.903e-06 ± 1.568e-07
74.4
74.3
74.2
74.1
74
73.9
73.8
73.7
73.6
73.5
0
10000
20000
30000
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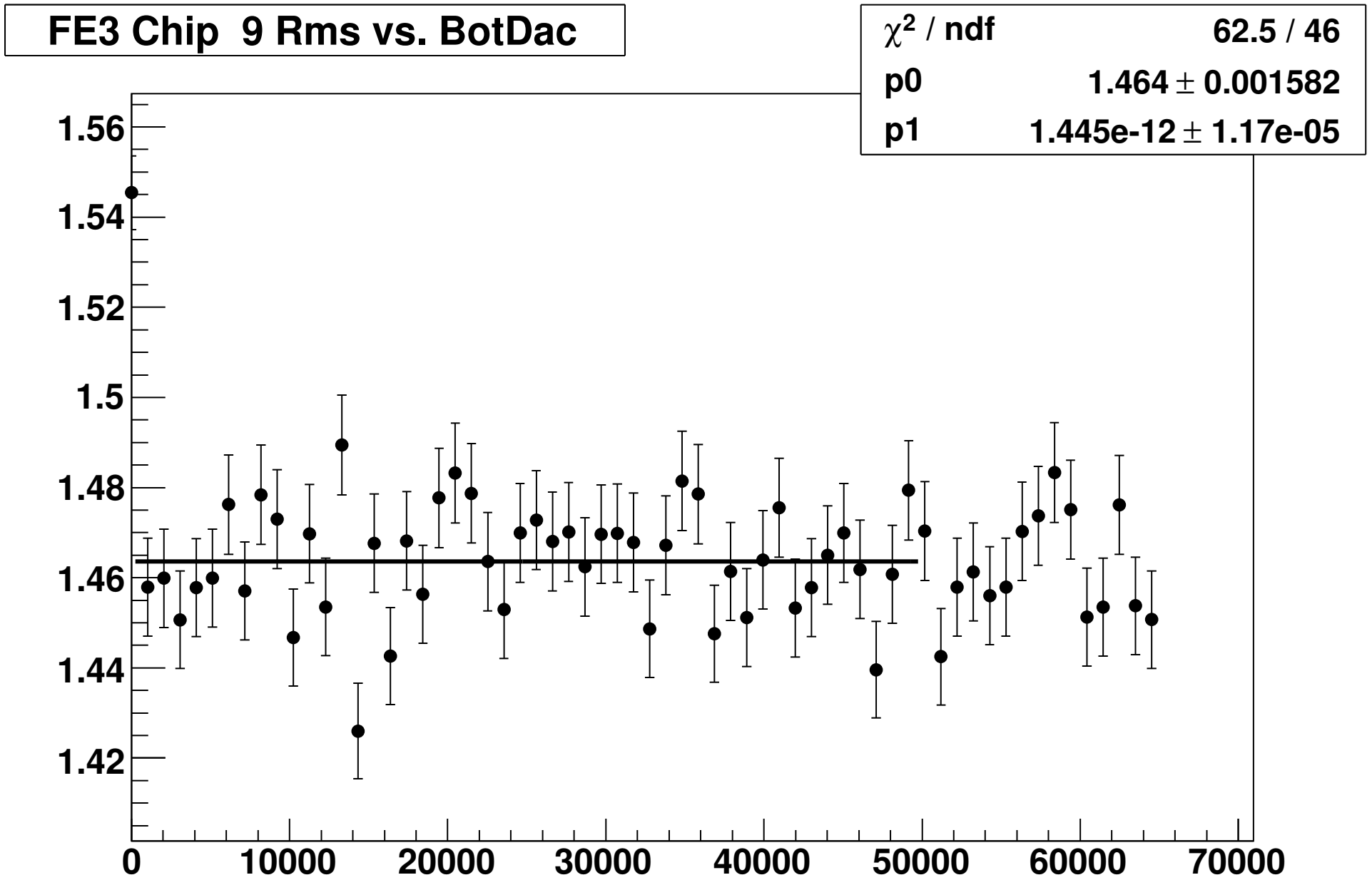
FE3 Chip 9 Rms vs. BotDac
χ² / ndf 62.5 / 46
p0 1.464 ± 0.001582
p1 1.445e-12 ± 1.17e-05
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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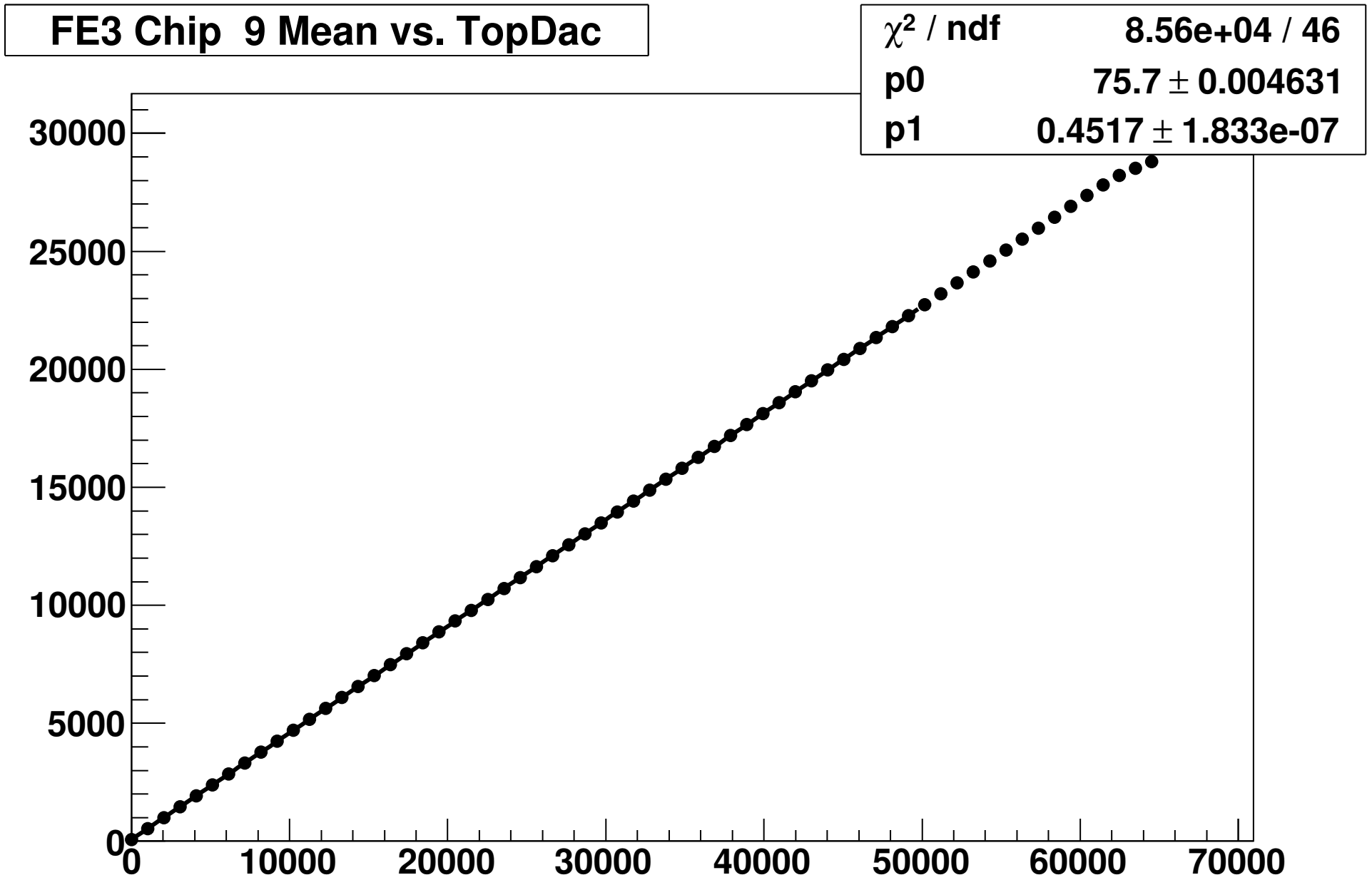
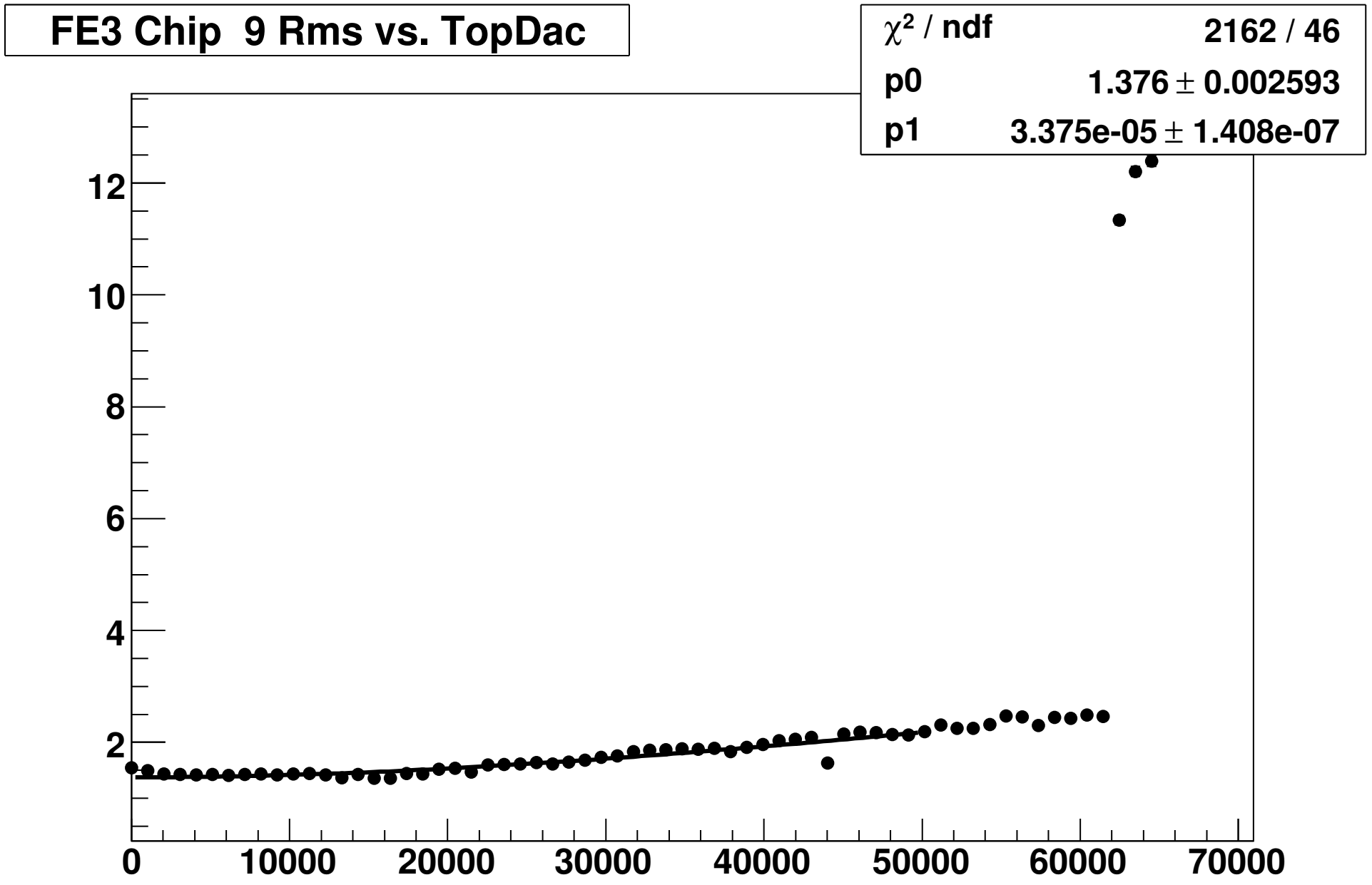

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 8.56e+04 / 46
p0 75.7 ± 0.004631
p1 0.4517 ± 1.833e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Rms vs. TopDac
χ² / ndf 2162 / 46
p0 1.376 ± 0.002593
p1 3.375e-05 ± 1.408e-07
12
10
8
6
4
2
0
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20000
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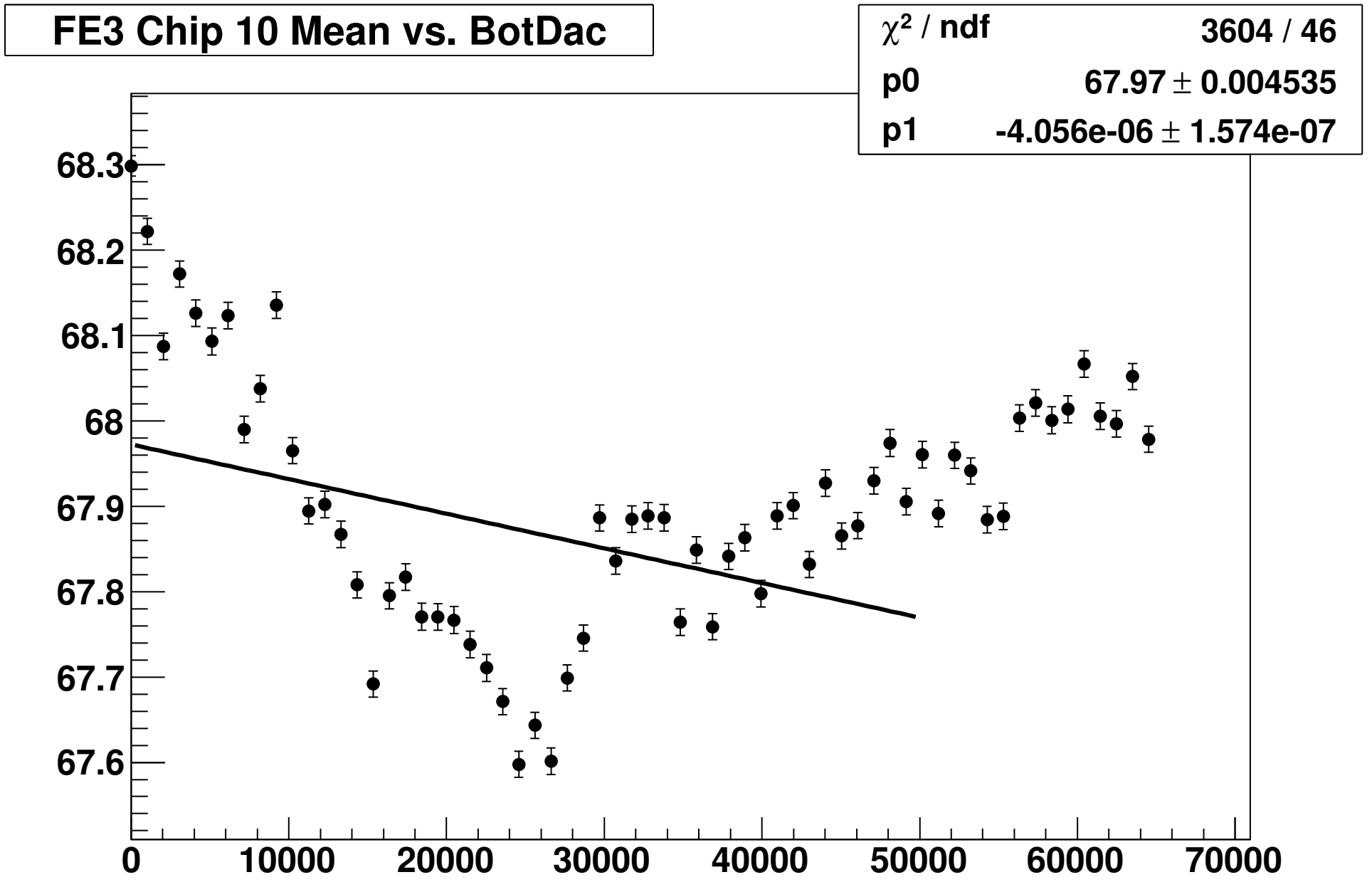
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 3604 / 46
p0 67.97 ± 0.004535
p1 -4.056e-06 ± 1.574e-07
68.3
68.2
68.1
68
67.9
67.8
67.7
67.6
0
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20000
30000
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50000
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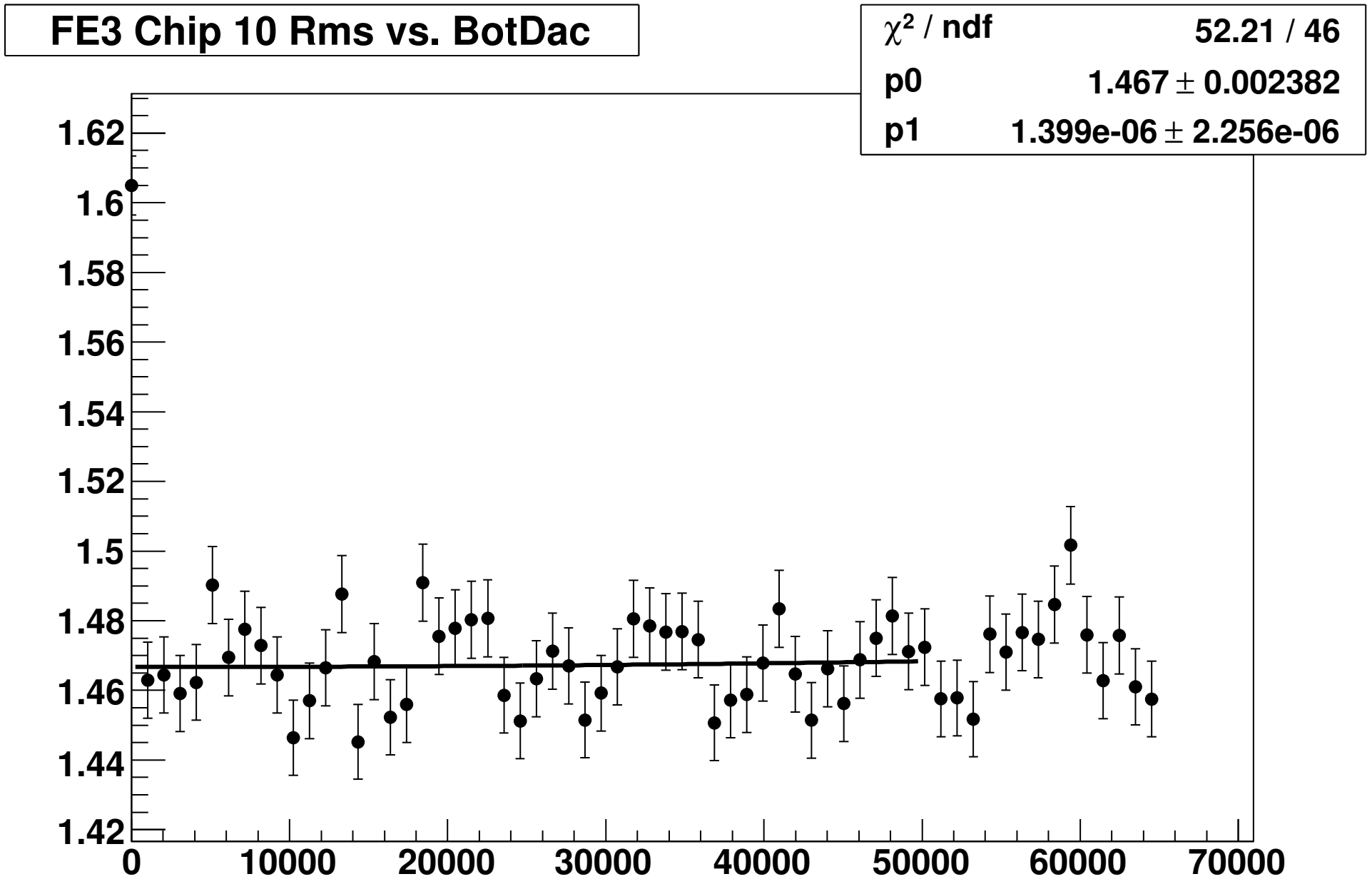
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 52.21 / 46
p0 1.467 ± 0.002382
p1 1.399e-06 ± 2.256e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
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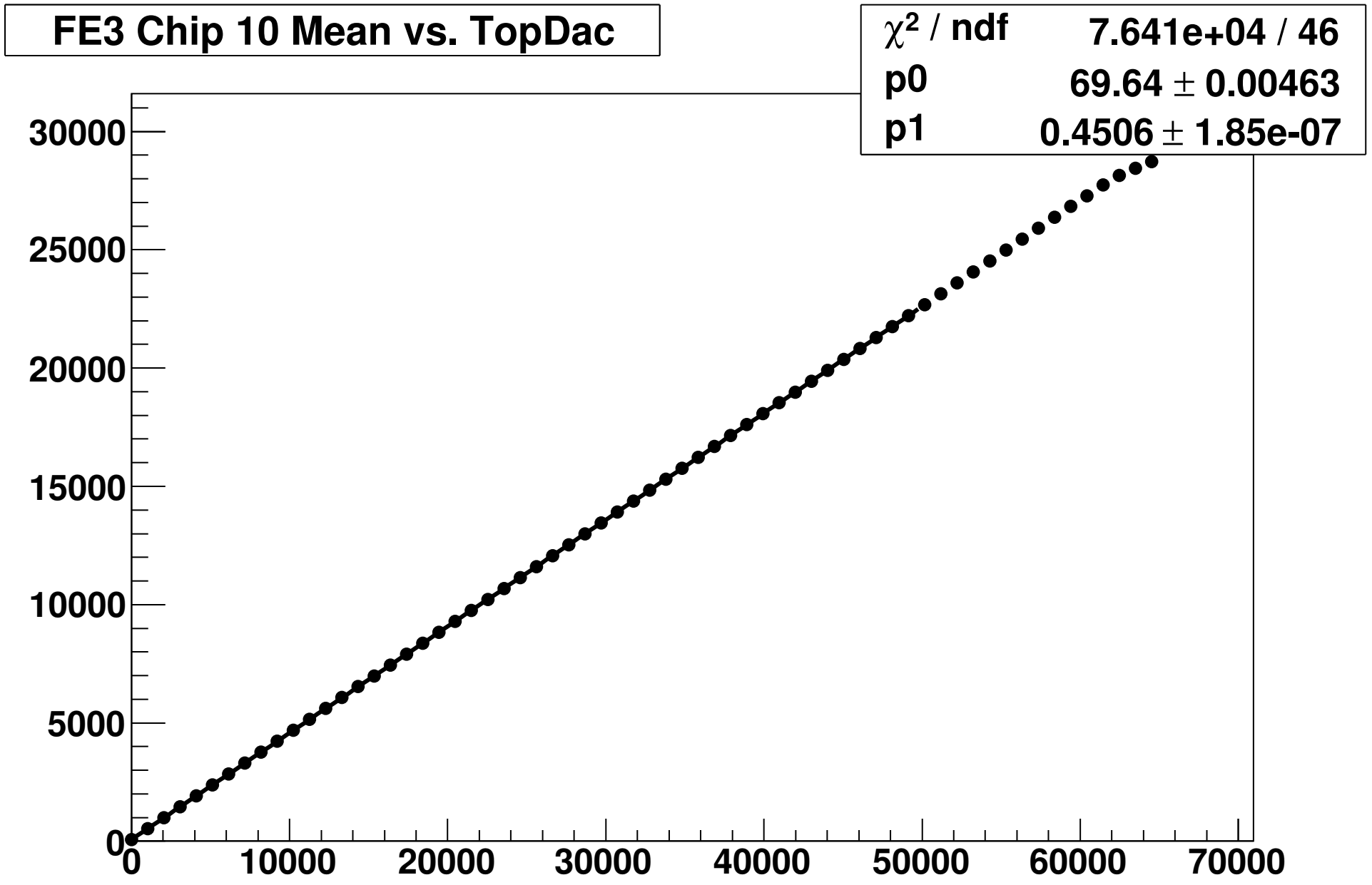
FE3 Chip 10 Mean vs. TopDac
χ² / ndf 7.641e+04 / 46
p0 69.64 ± 0.00463
p1 0.4506 ± 1.85e-07
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25000
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10000
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10000
20000
30000
40000
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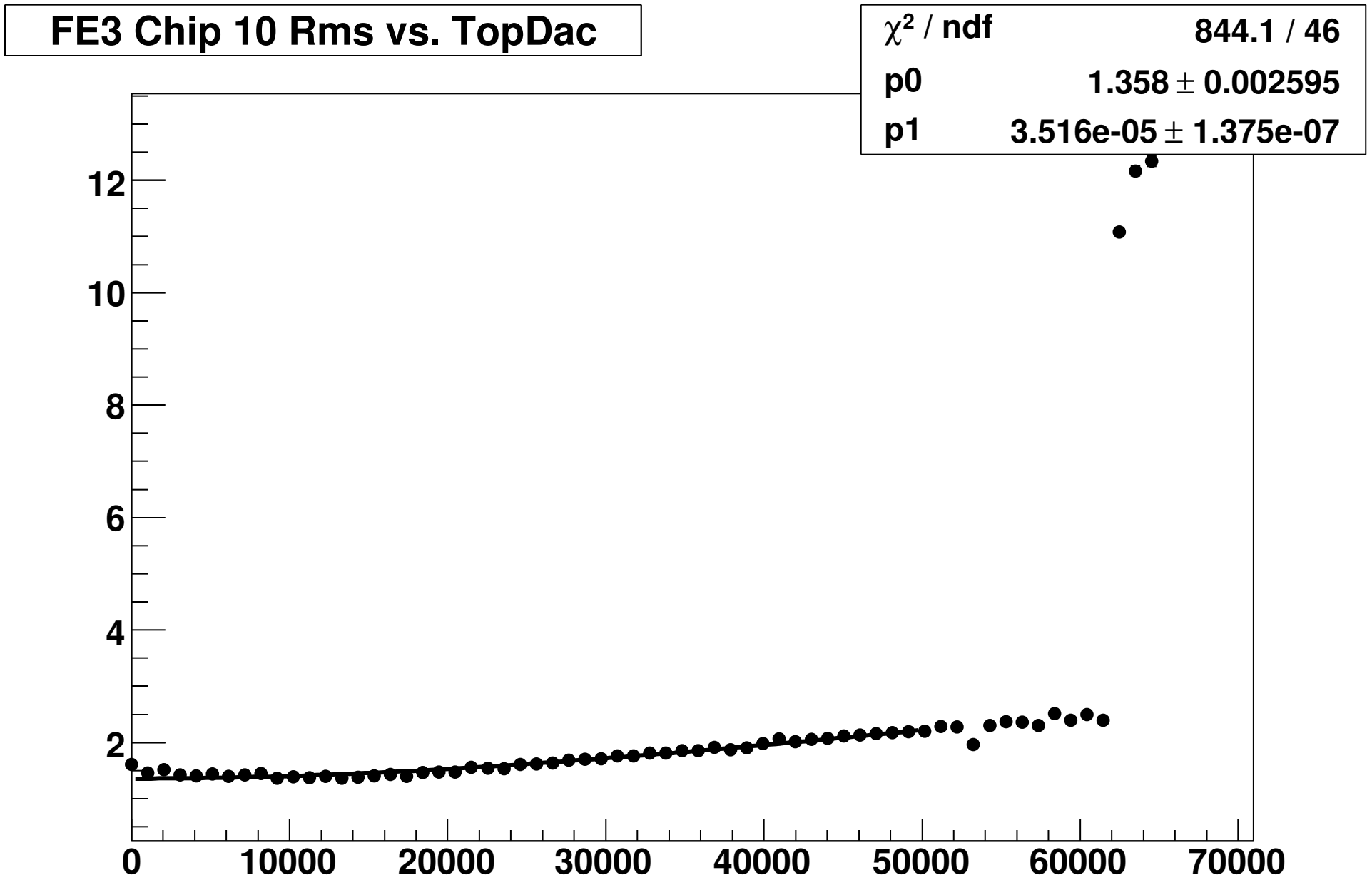
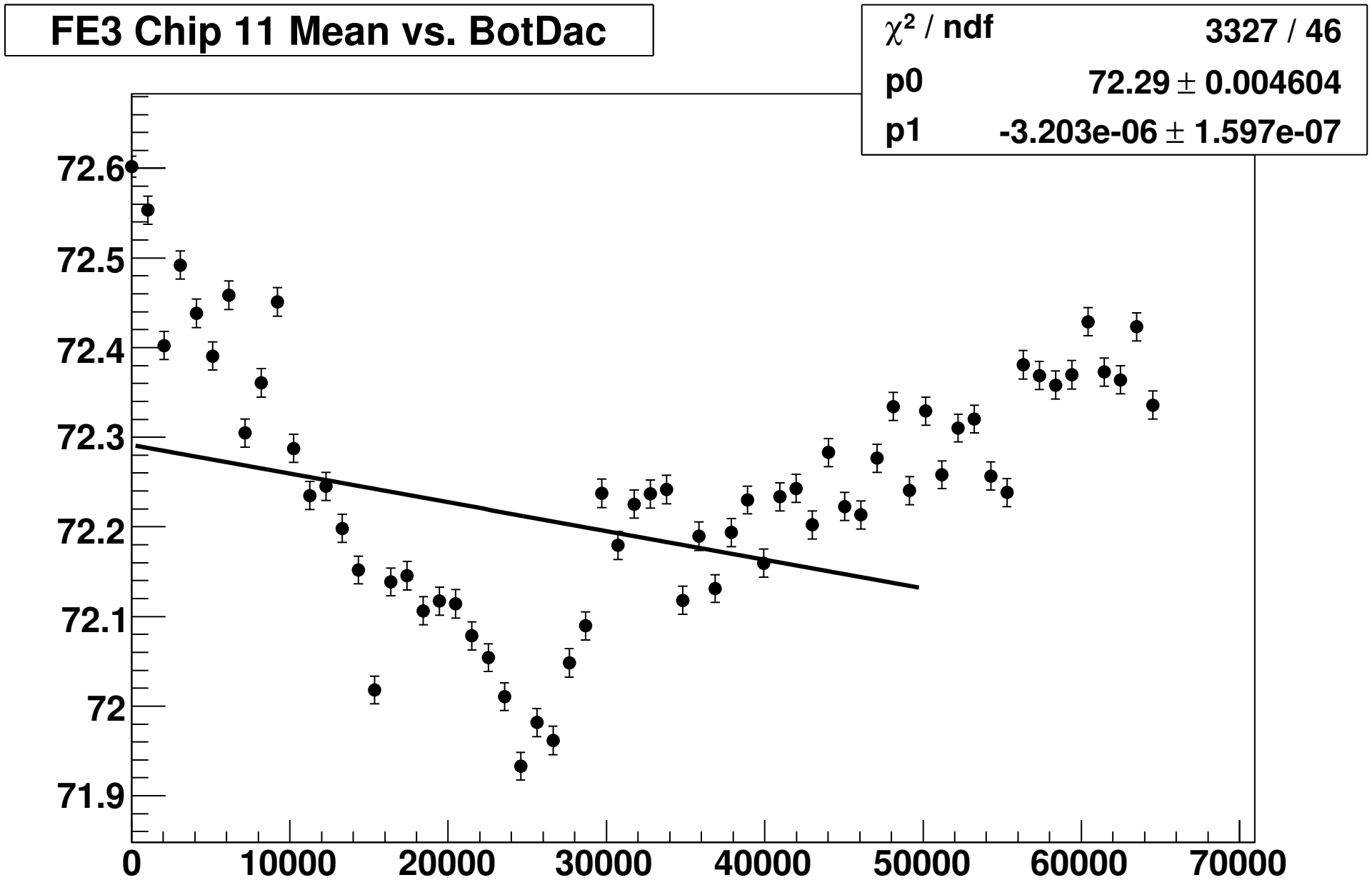
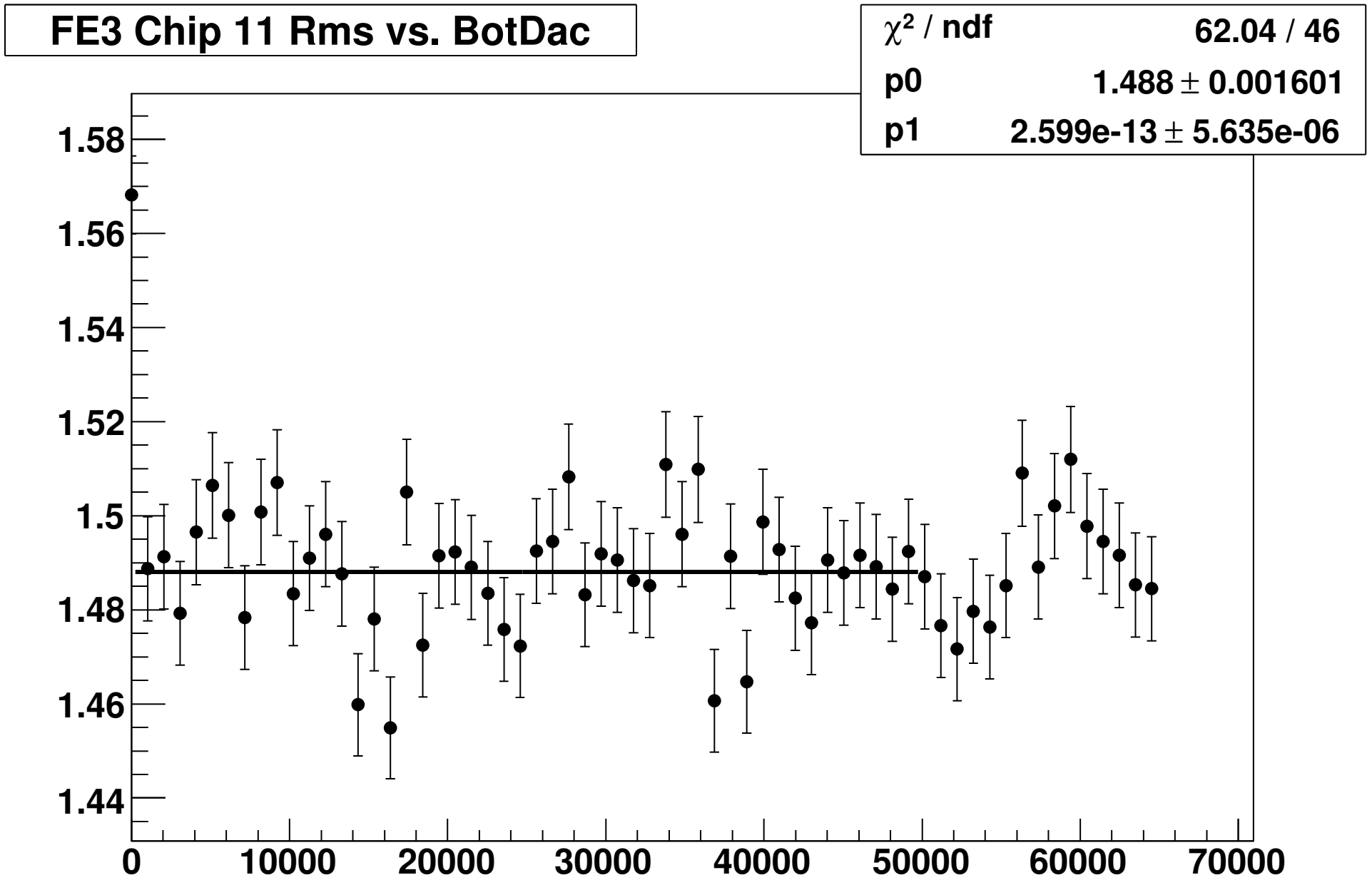
60000
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 844.1 / 46
p0 1.358 ± 0.002595
p1 3.516e-05 ± 1.375e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 3327 / 46
p0 72.29 ± 0.004604
p1 -3.203e-06 ± 1.597e-07
72.6
72.5
72.4
72.3
72.2
72.1
72
71.9
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 62.04 / 46
p0 1.488 ± 0.001601
p1 2.599e-13 ± 5.635e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
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20000
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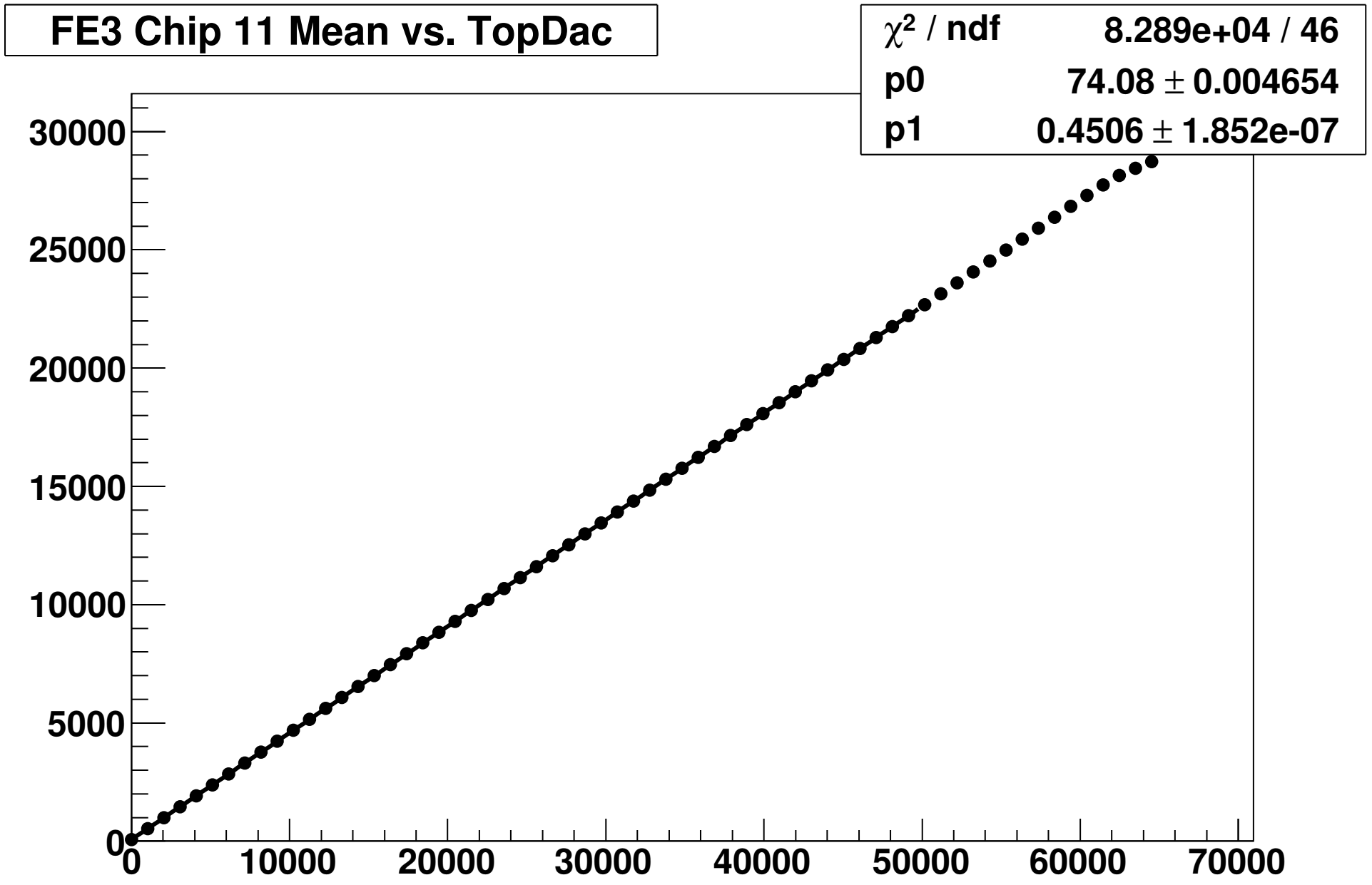
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 8.289e+04 / 46
p0 74.08 ± 0.004654
p1 0.4506 ± 1.852e-07
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15000
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5000
0
0
10000
20000
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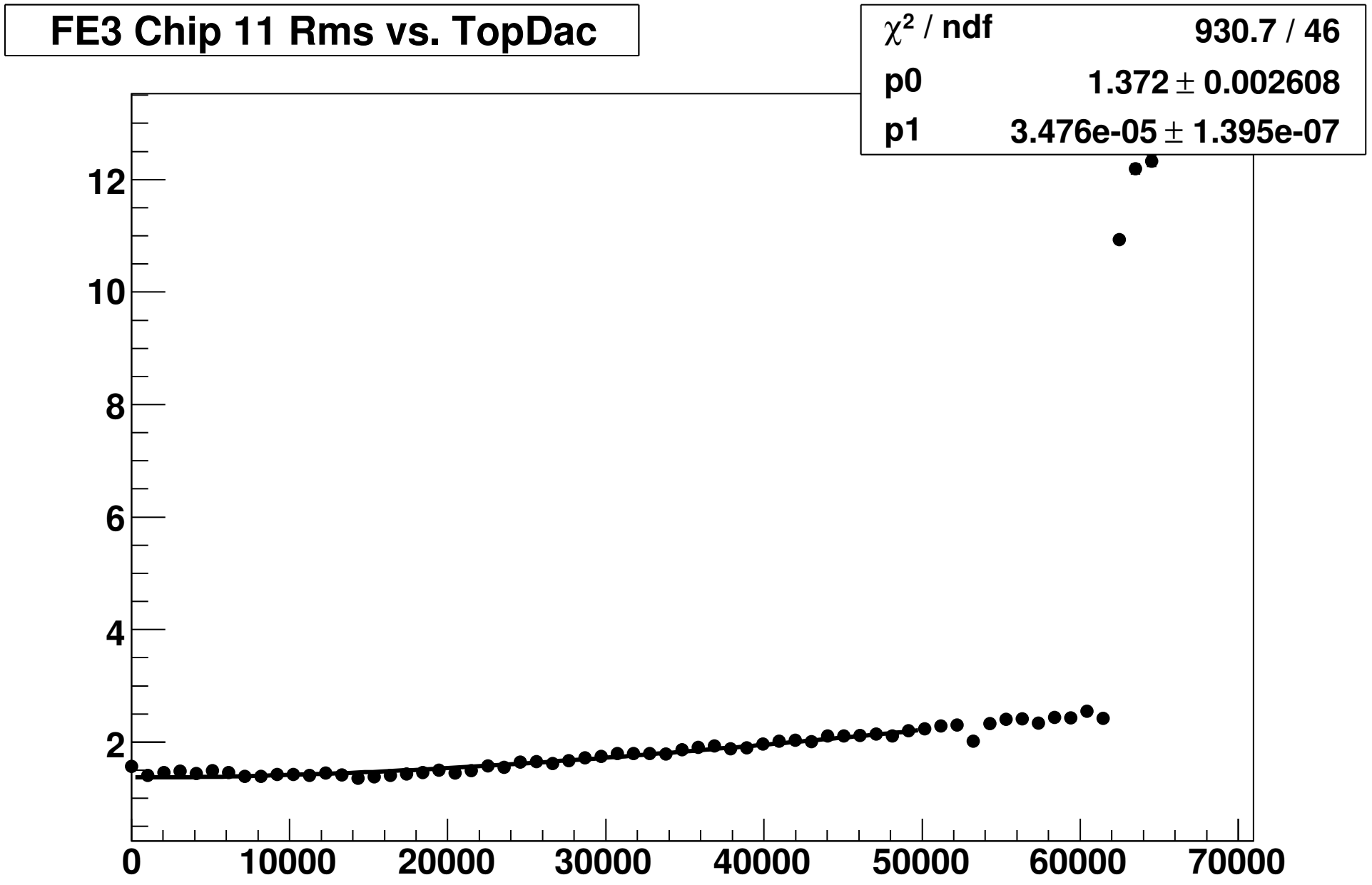
40000
50000
60000
70000


FE3 Chip 11 Rms vs. TopDac
χ² / ndf 930.7 / 46
p0 1.372 ± 0.002608
p1 3.476e-05 ± 1.395e-07
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10
8
6
4
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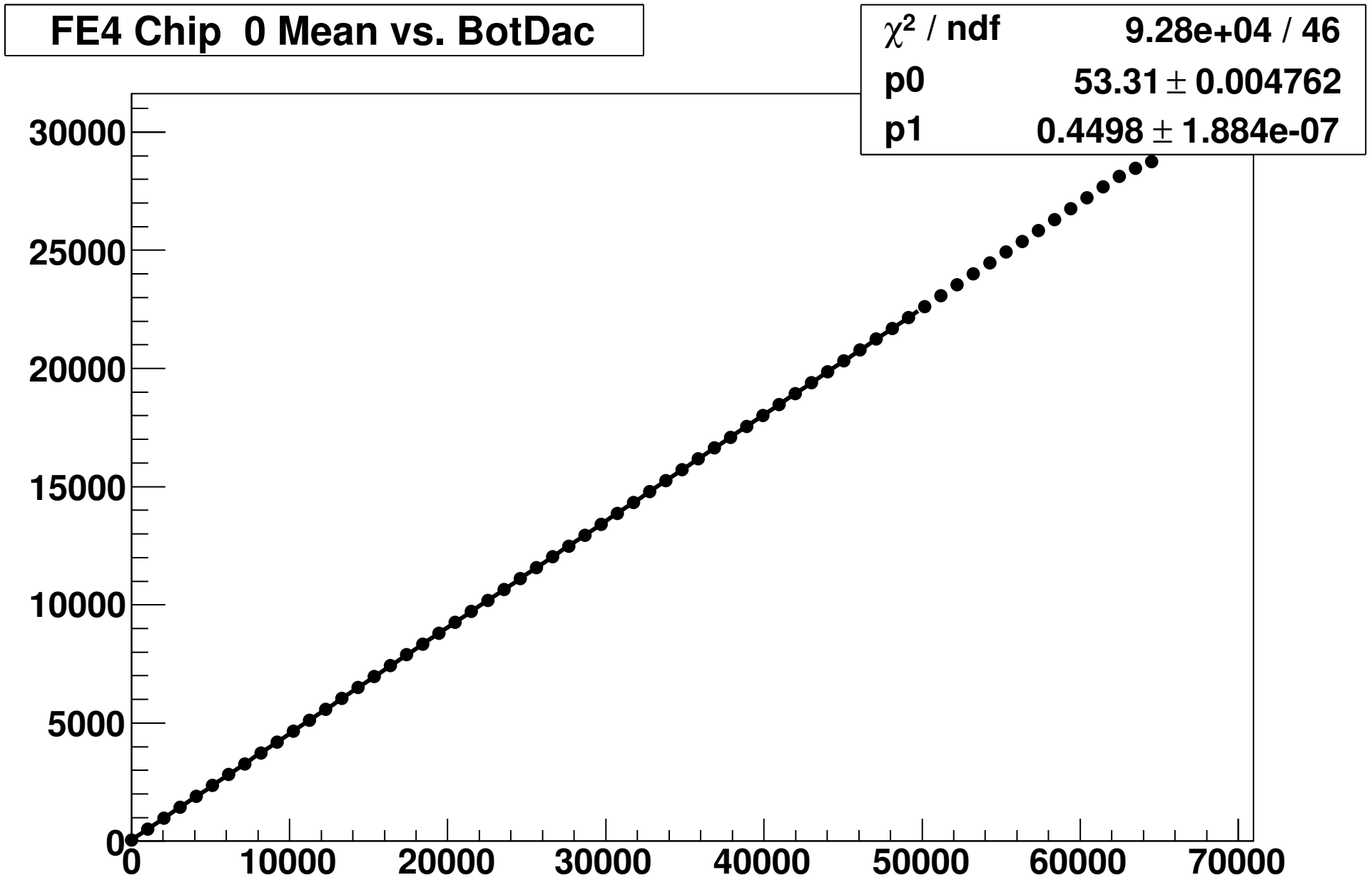
40000
50000
60000
70000


FE4 Chip 0 Mean vs. BotDac
χ² / ndf 9.28e+04 / 46
p0 53.31 ± 0.004762
p1 0.4498 ± 1.884e-07
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0
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10000
20000
30000
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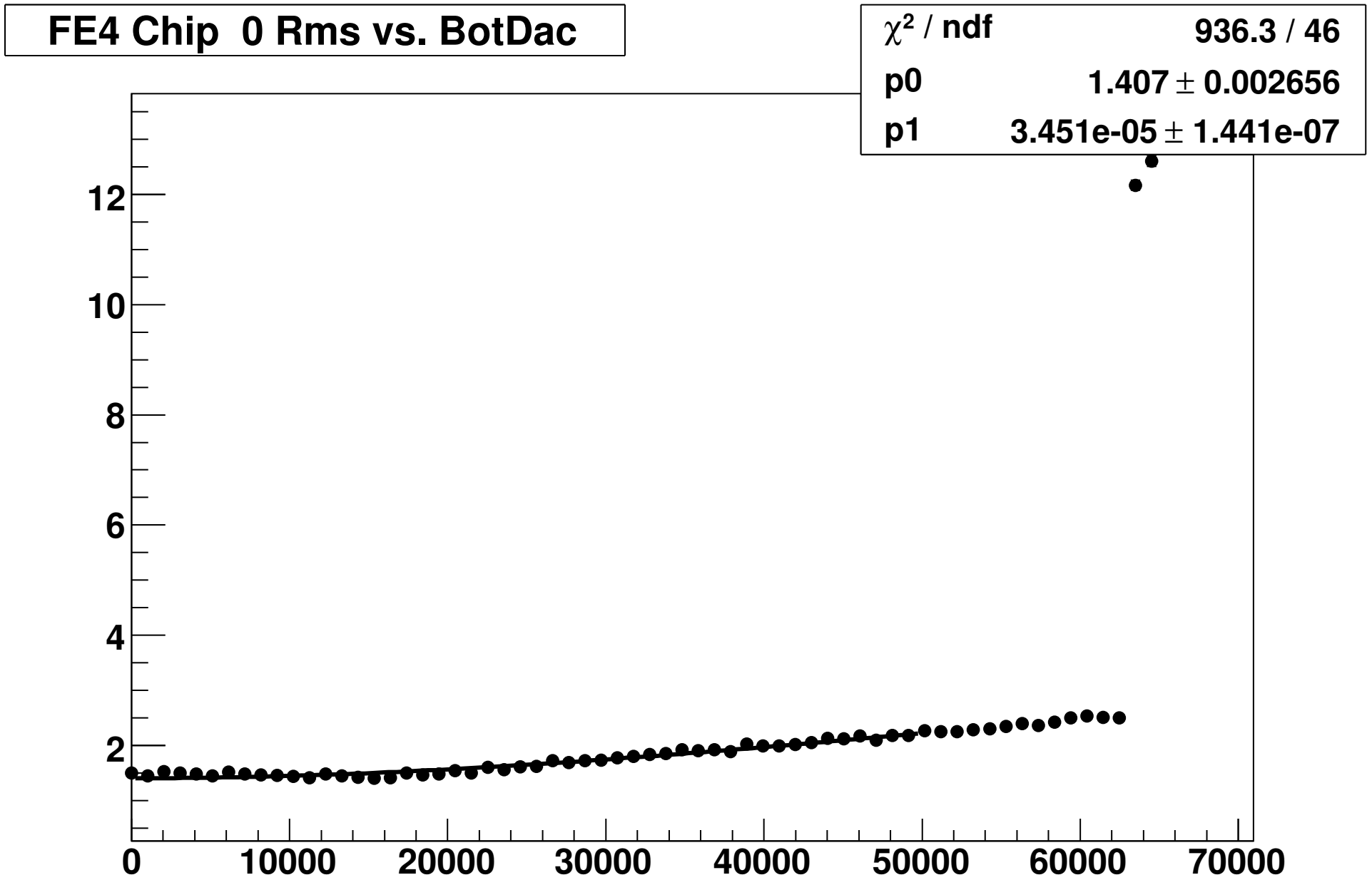
60000
70000


FE4 Chip 0 Rms vs. BotDac
χ² / ndf 936.3 / 46
p0 1.407 ± 0.002656
p1 3.451e-05 ± 1.441e-07
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10
8
6
4
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60000
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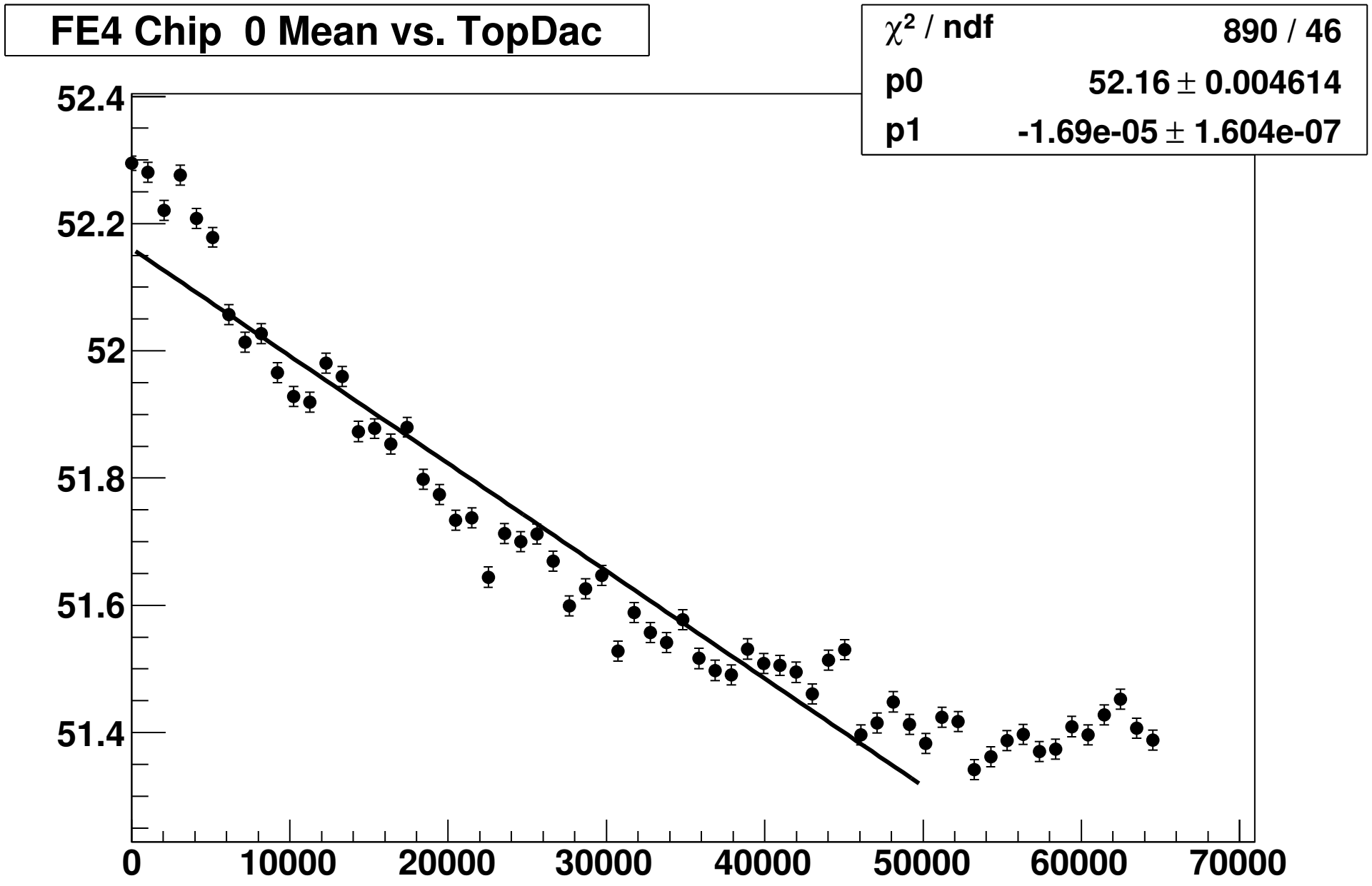
FE4 Chip 0 Mean vs. TopDac
χ² / ndf 890 / 46
p0 52.16 ± 0.004614
p1 -1.69e-05 ± 1.604e-07
52.4
52.2
52
51.8
51.6
51.4
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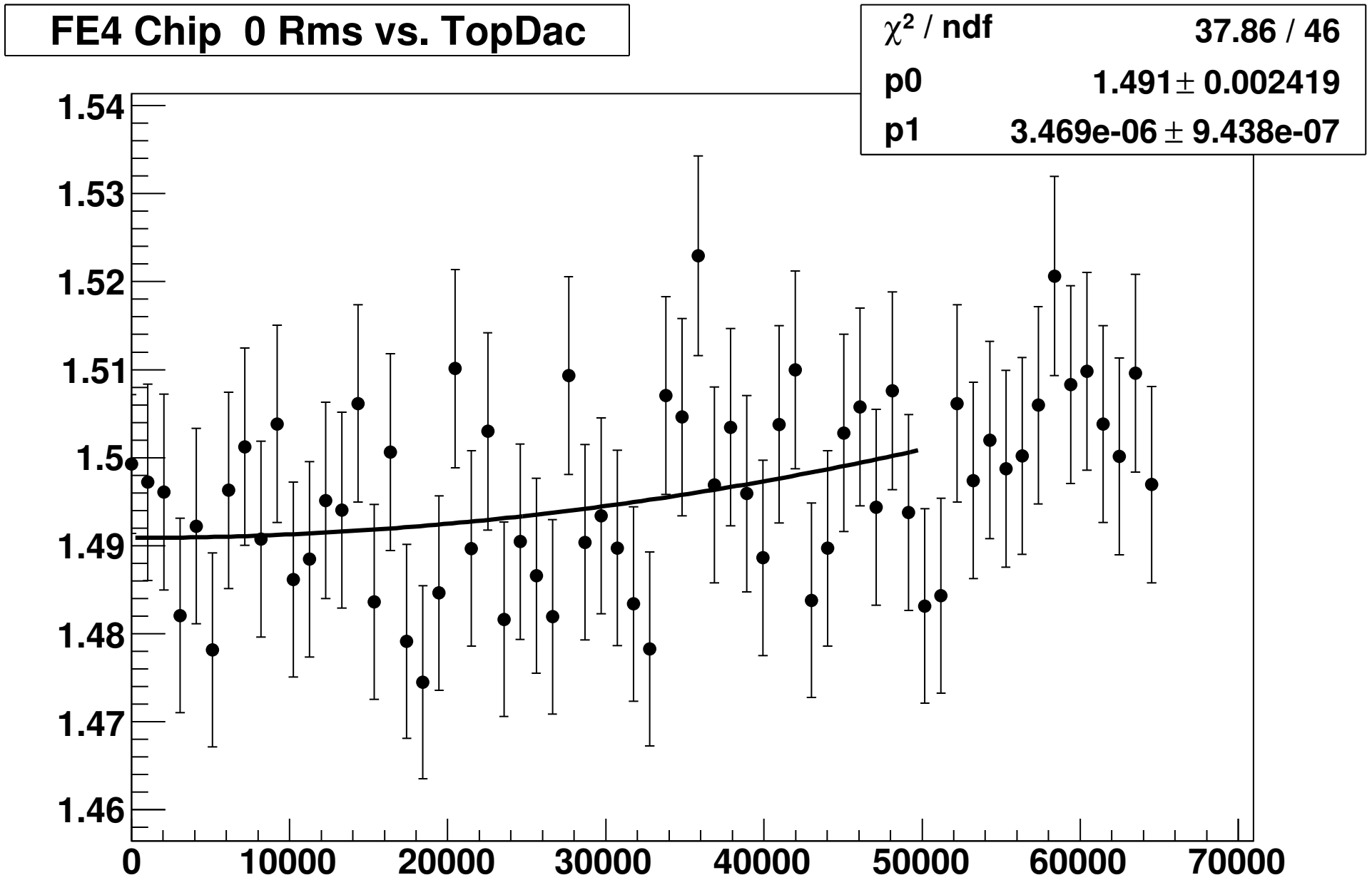
FE4 Chip 0 Rms vs. TopDac
χ² / ndf 37.86 / 46
p0 1.491 ± 0.002419
p1 3.469e-06 ± 9.438e-07
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
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60000
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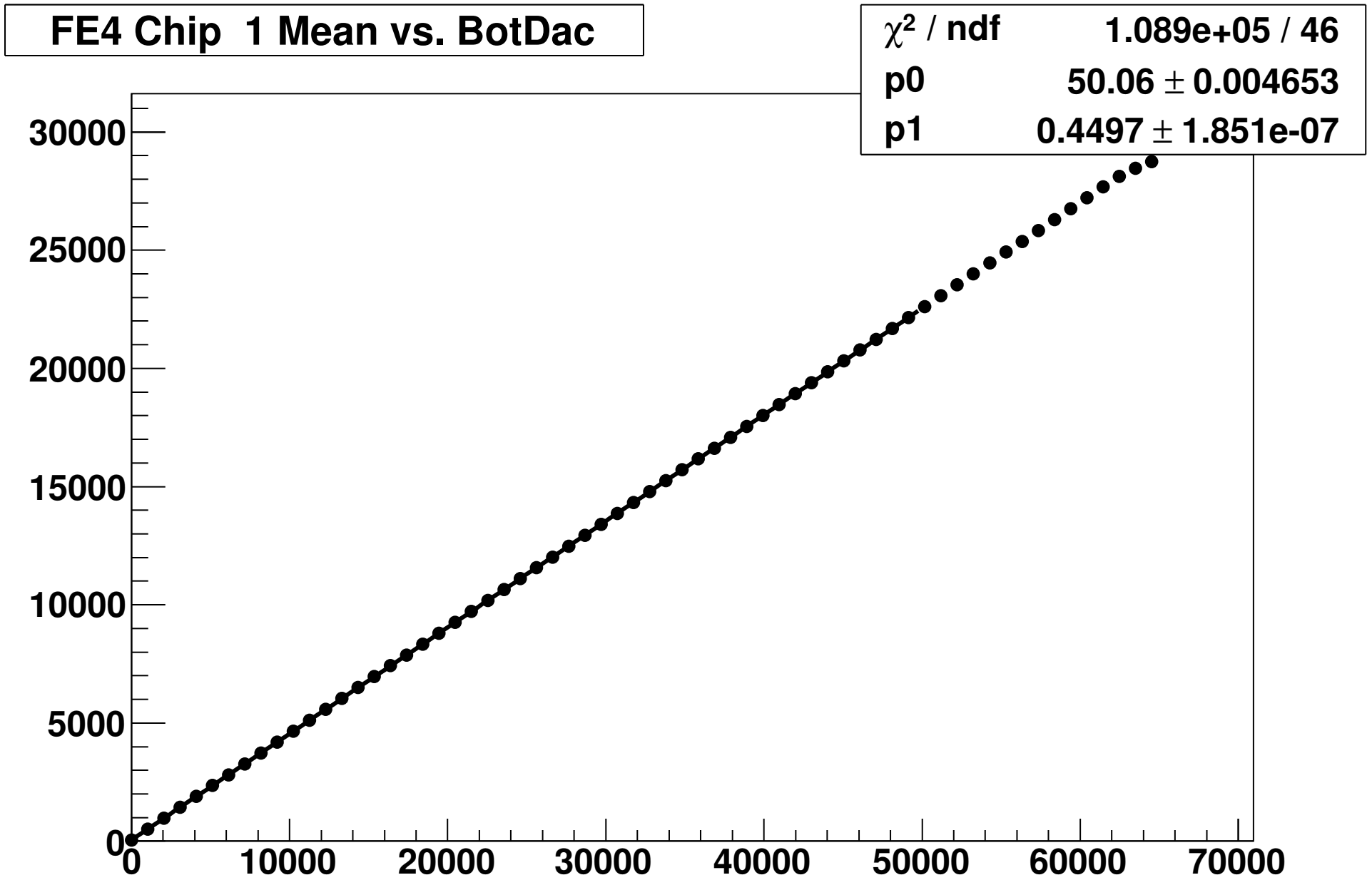
FE4 Chip 1 Mean vs. BotDac
χ² / ndf 1.089e+05 / 46
p0 50.06 ± 0.004653
p1 0.4497 ± 1.851e-07
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15000
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0
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10000
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30000
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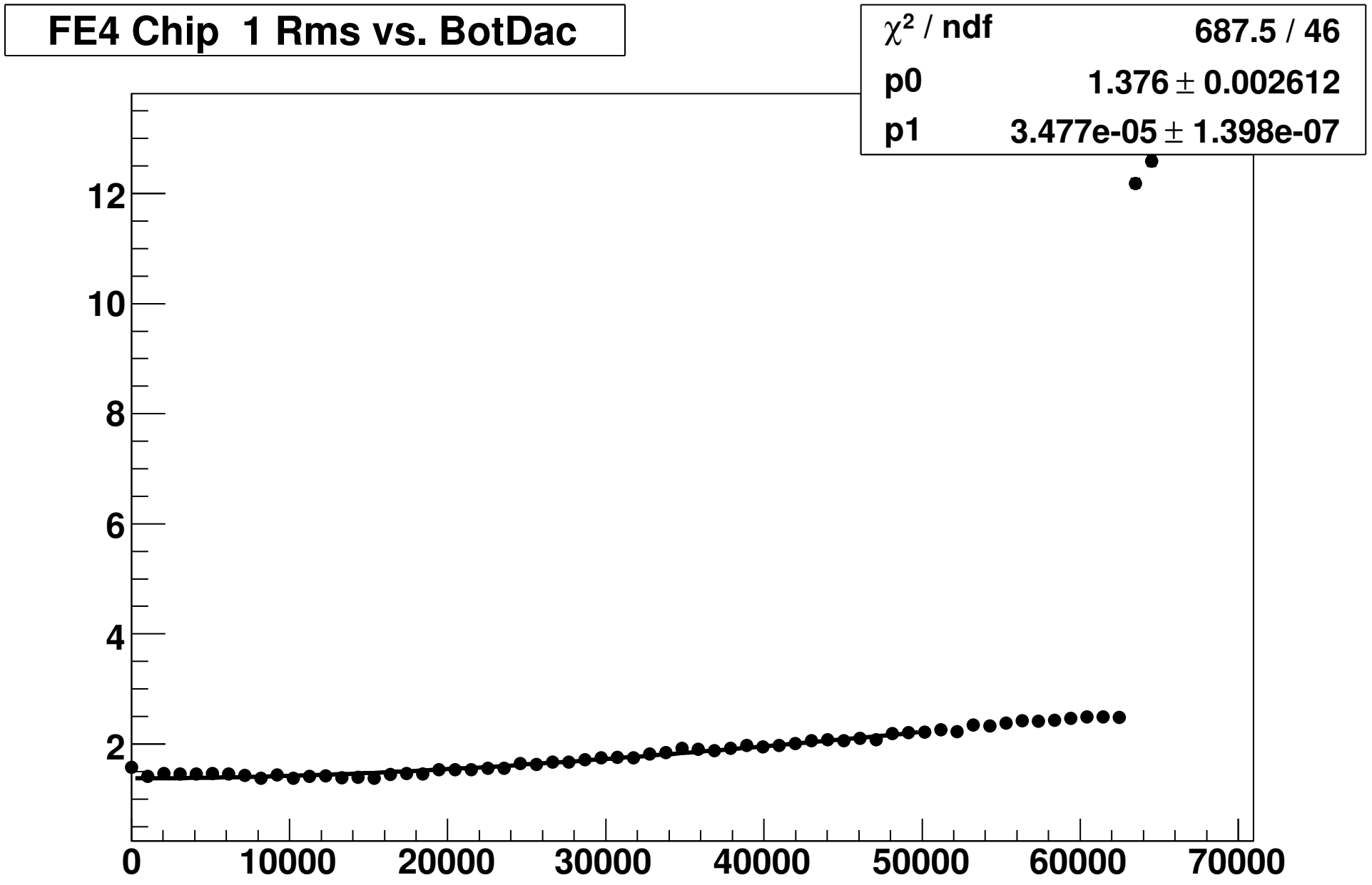
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 687.5 / 46
p0 1.376 ± 0.002612
p1 3.477e-05 ± 1.398e-07
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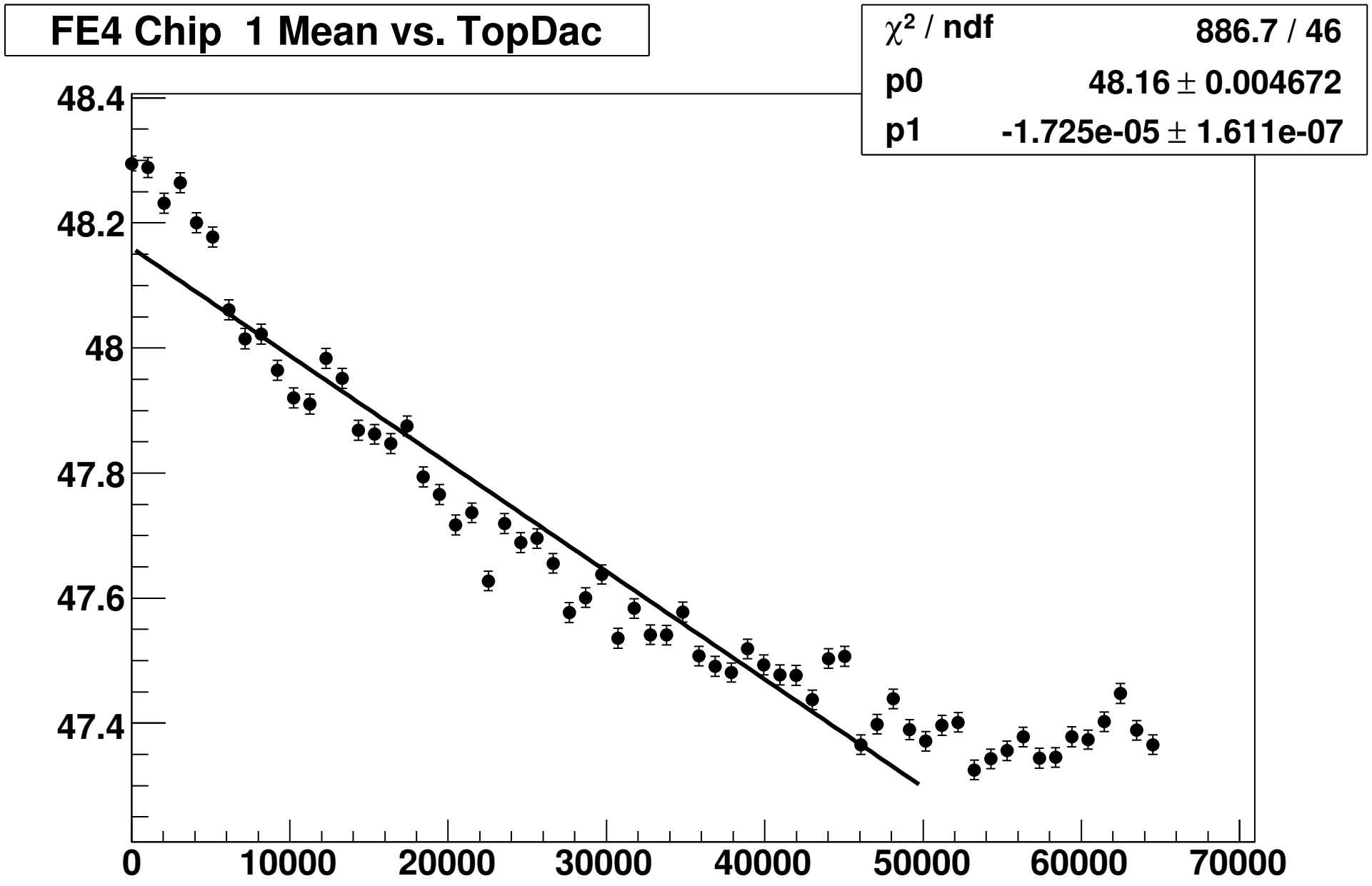
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 886.7 / 46
p0 48.16 ± 0.004672
p1 -1.725e-05 ± 1.611e-07
48.4
48.2
48
47.8
47.6
47.4
0
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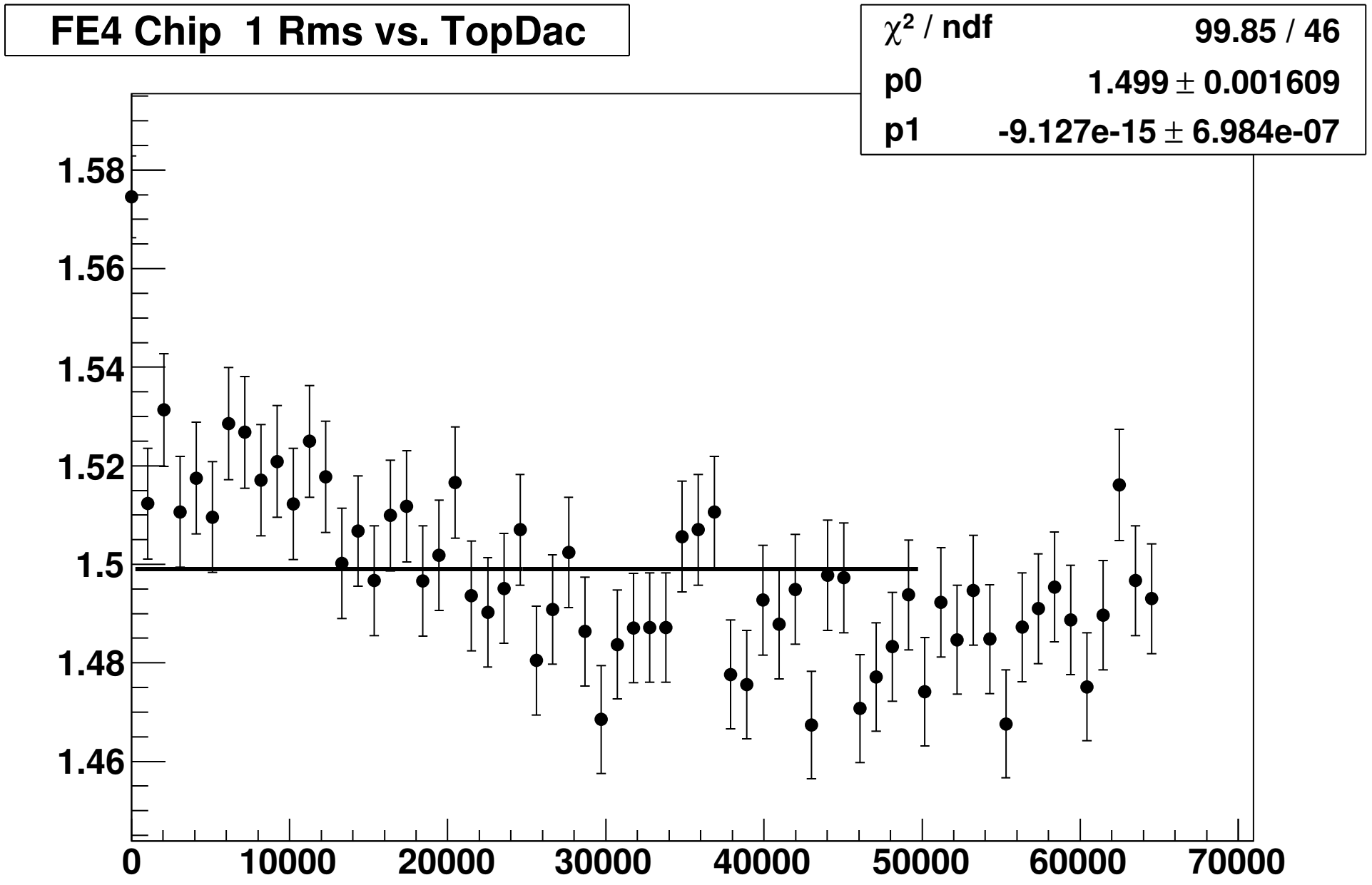
50000
60000
70000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 99.85 / 46
p0 1.499 ± 0.001609
p1 -9.127e-15 ± 6.984e-07
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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50000
60000
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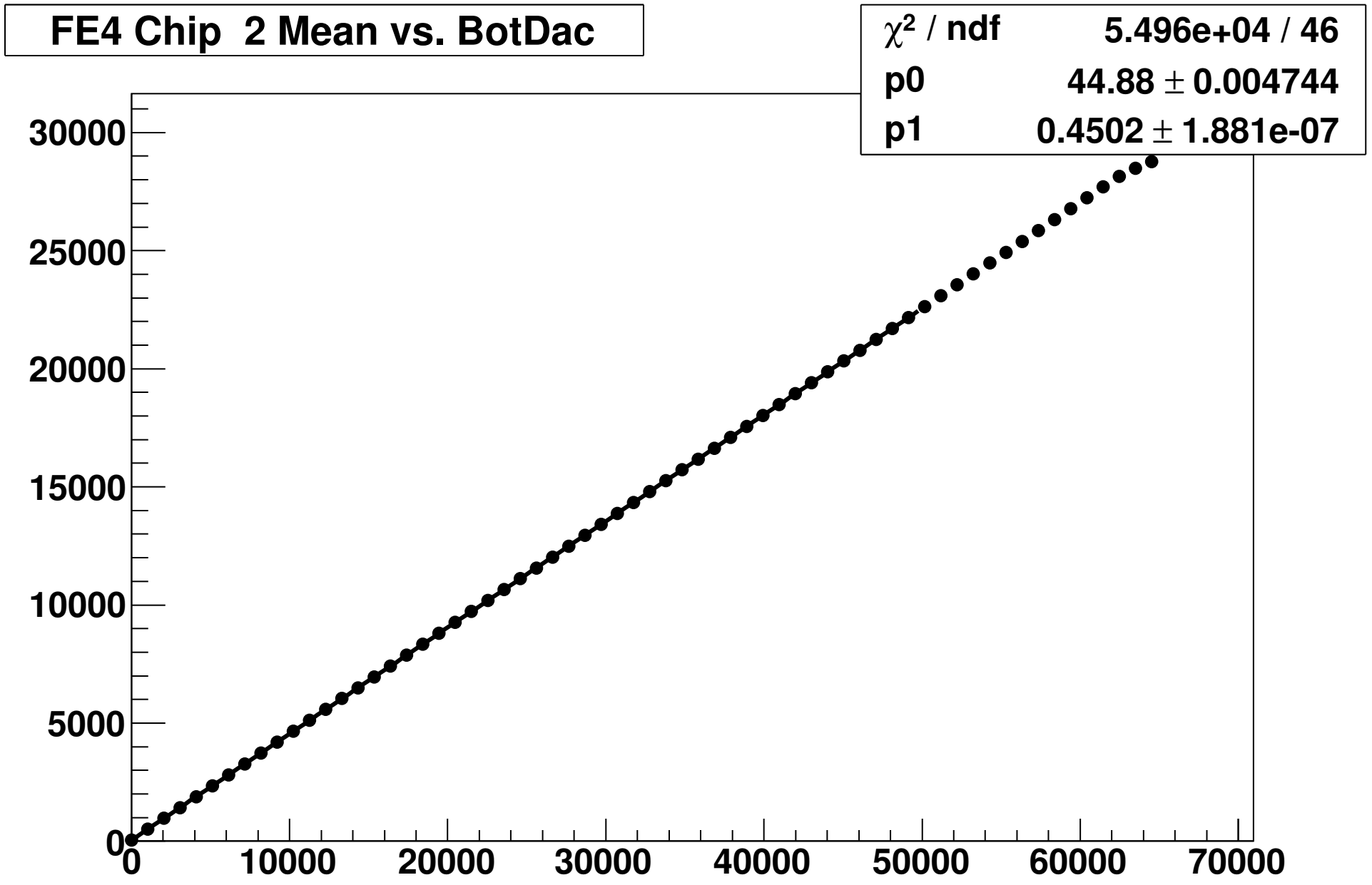
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 5.496e+04 / 46
p0 44.88 ± 0.004744
p1 0.4502 ± 1.881e-07
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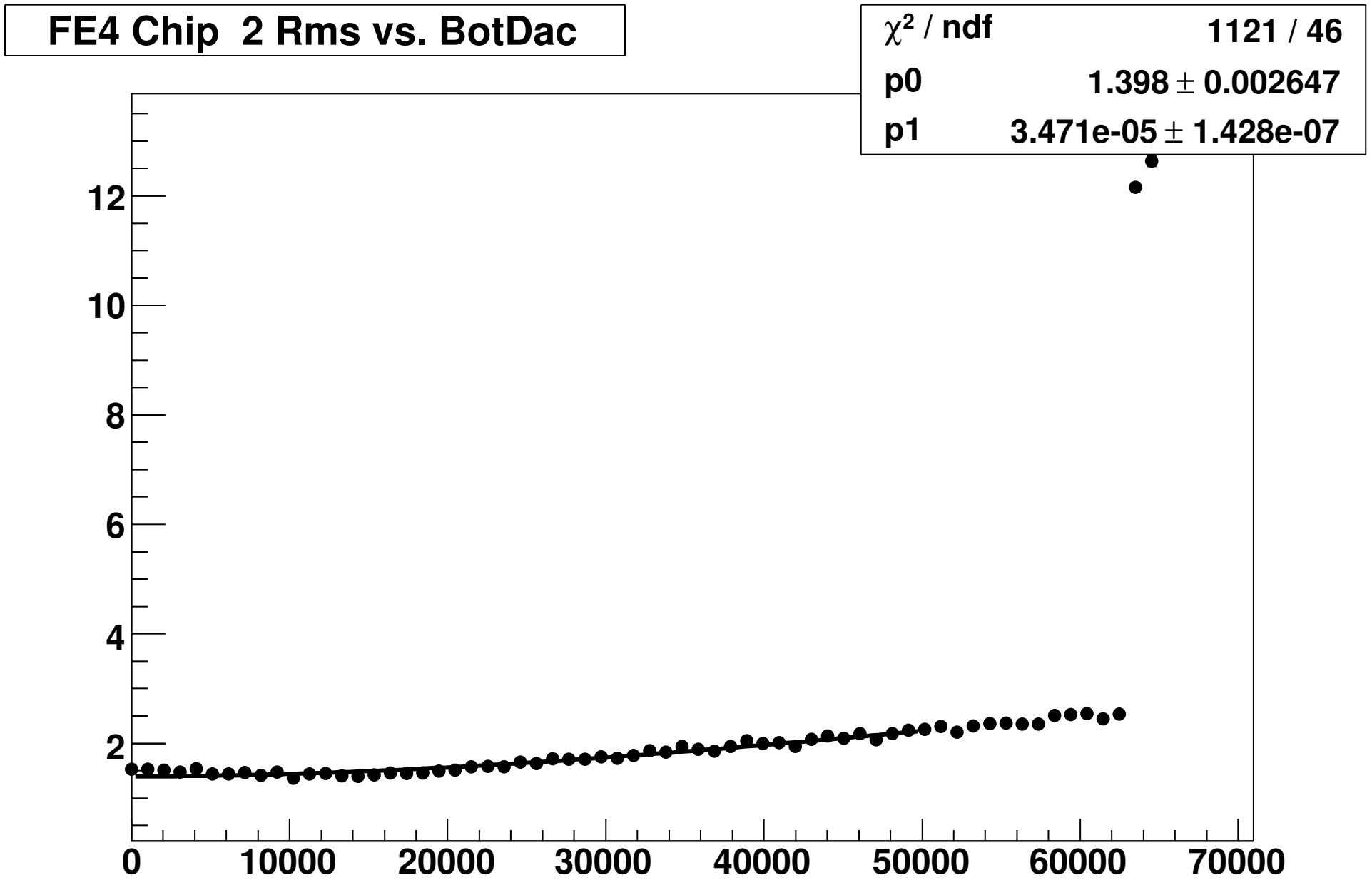
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1121 / 46
p0 1.398 ± 0.002647
p1 3.471e-05 ± 1.428e-07
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10
8
6
4
2
0
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20000
30000
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50000
60000
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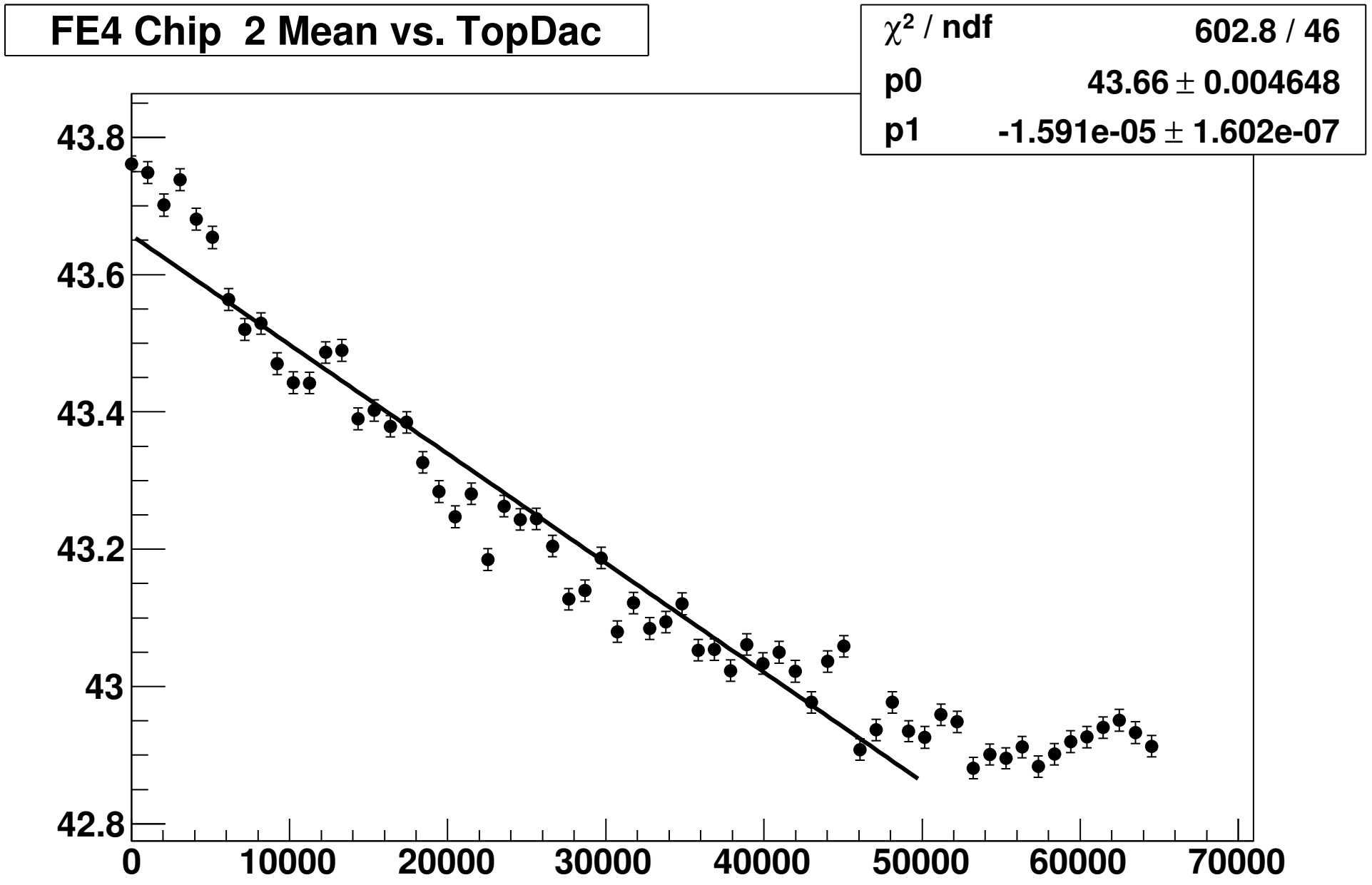
FE4 Chip 2 Mean vs. TopDac
χ² / ndf 602.8 / 46
p0 43.66 ± 0.004648
p1 -1.591e-05 ± 1.602e-07
43.8
43.6
43.4
43.2
43
42.8
0
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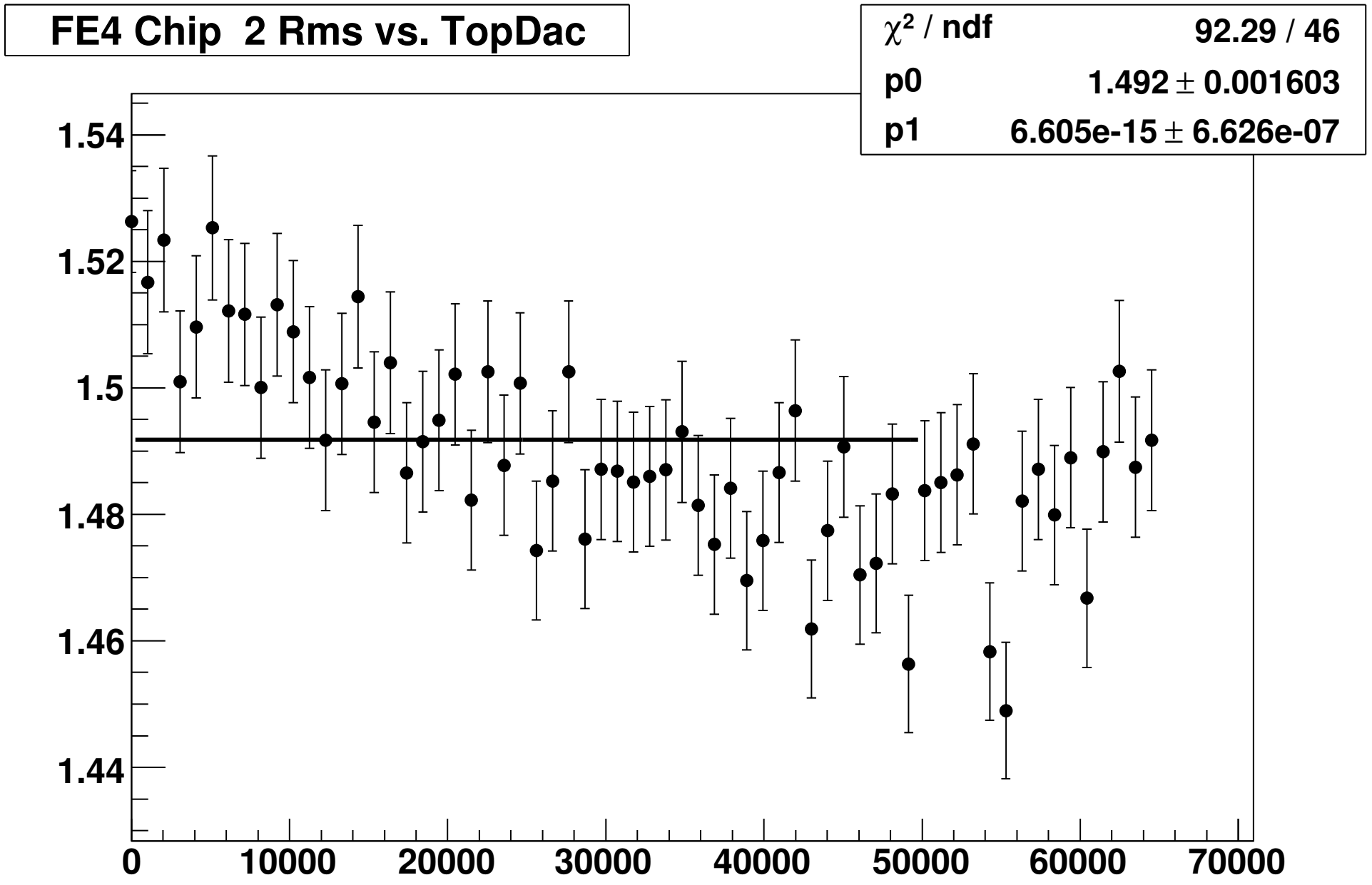
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 92.29 / 46
p0 1.492 ± 0.001603
p1 6.605e-15 ± 6.626e-07
1.54
1.52
1.5
1.48
1.46
1.44
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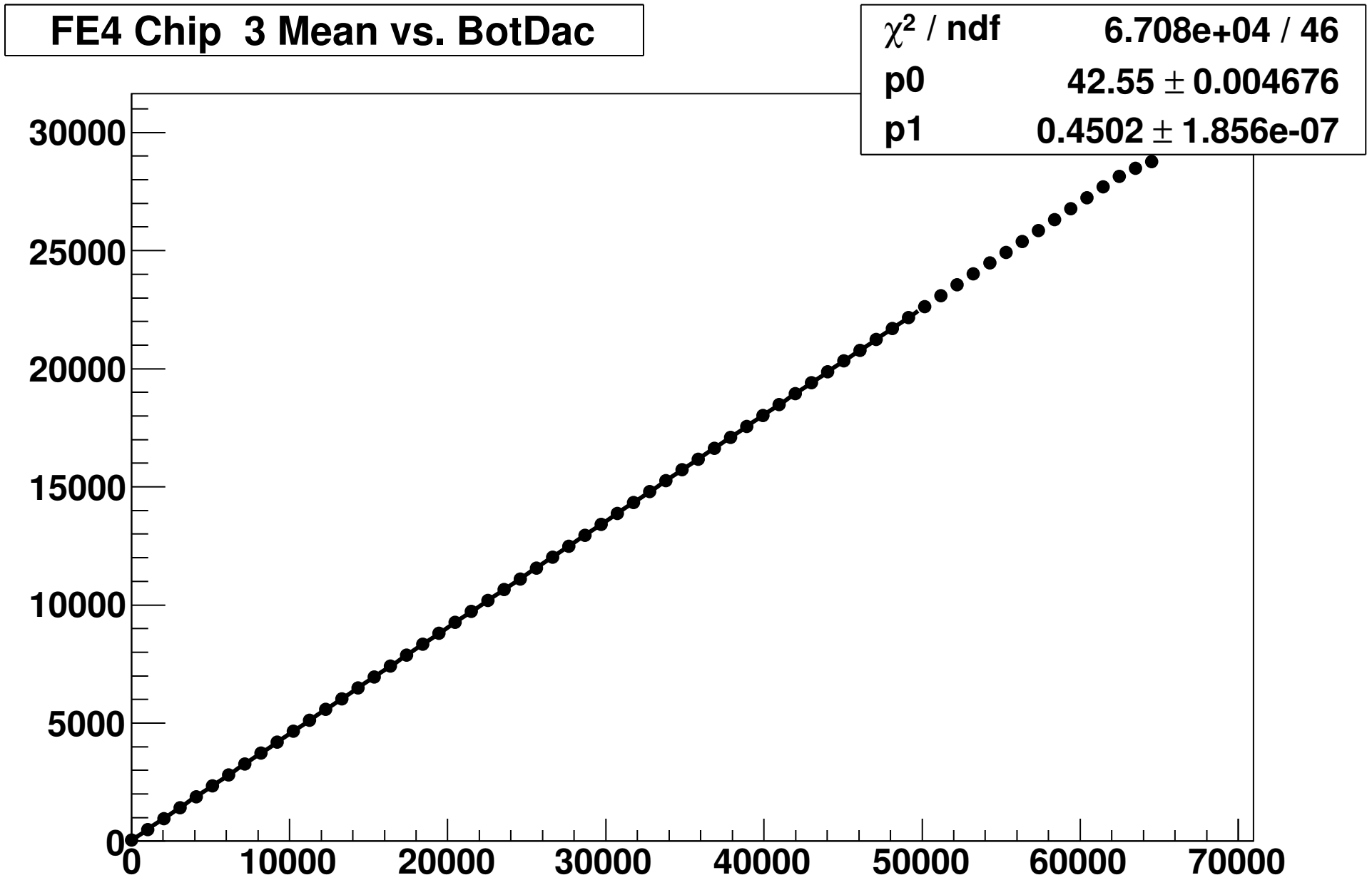
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 6.708e+04 / 46
p0 42.55 ± 0.004676
p1 0.4502 ± 1.856e-07
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0
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10000
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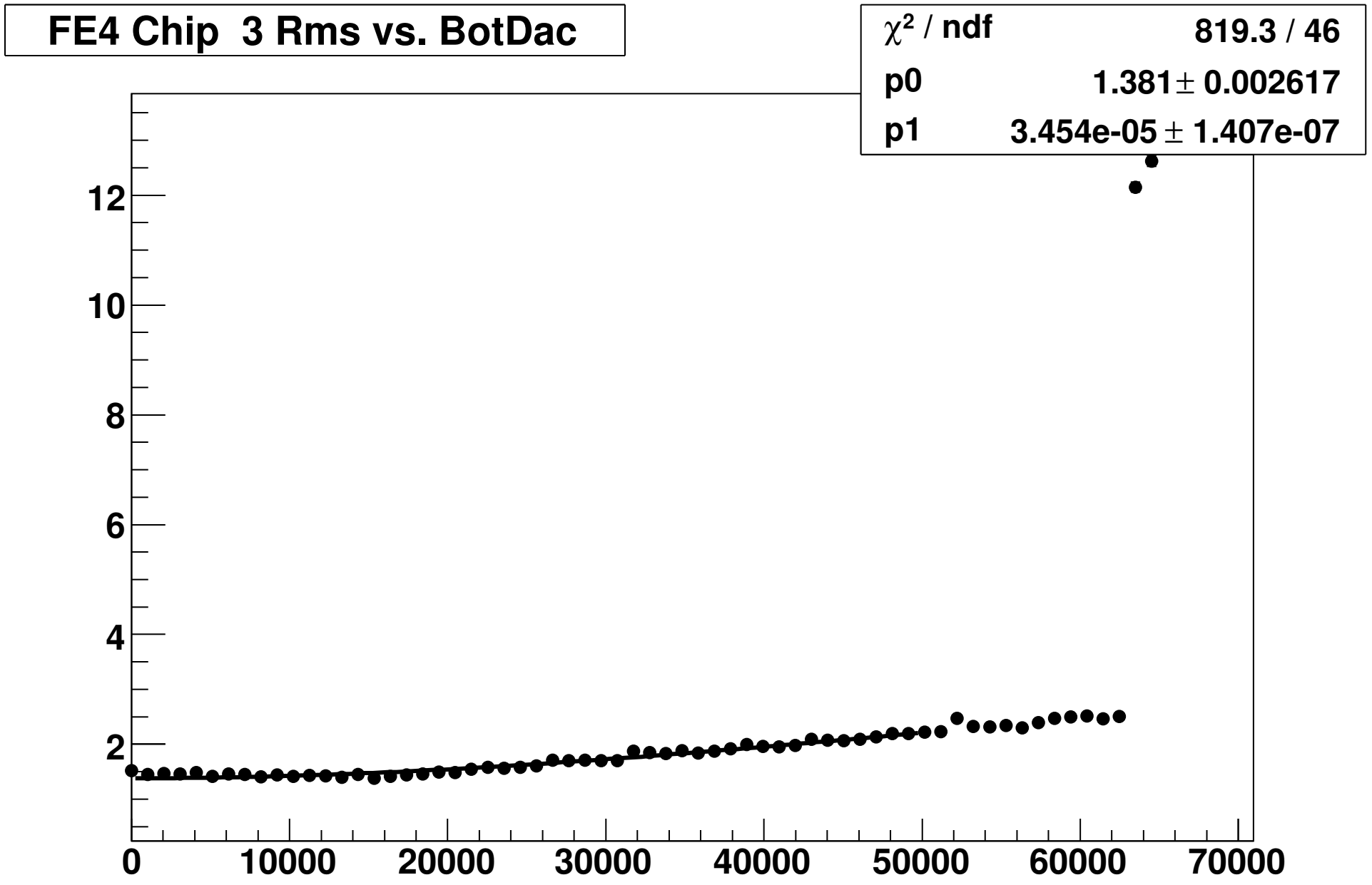
40000
50000
60000
70000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 819.3 / 46
p0 1.381 ± 0.002617
p1 3.454e-05 ± 1.407e-07
12
10
8
6
4
2
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20000
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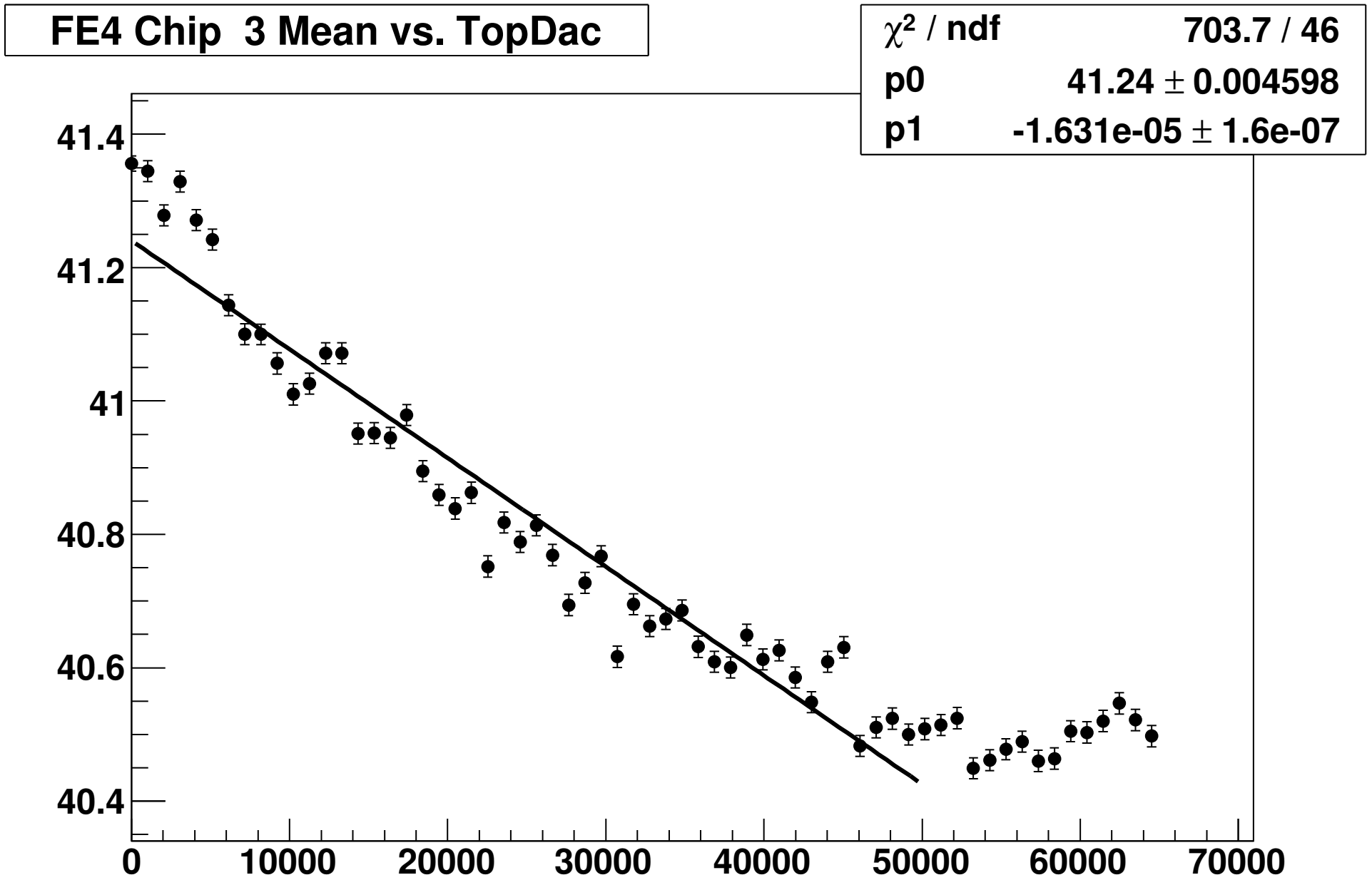
FE4 Chip 3 Mean vs. TopDac
χ² / ndf 703.7 / 46
p0 41.24 ± 0.004598
p1 -1.631e-05 ± 1.6e-07
41.4
41.2
41
40.8
40.6
40.4
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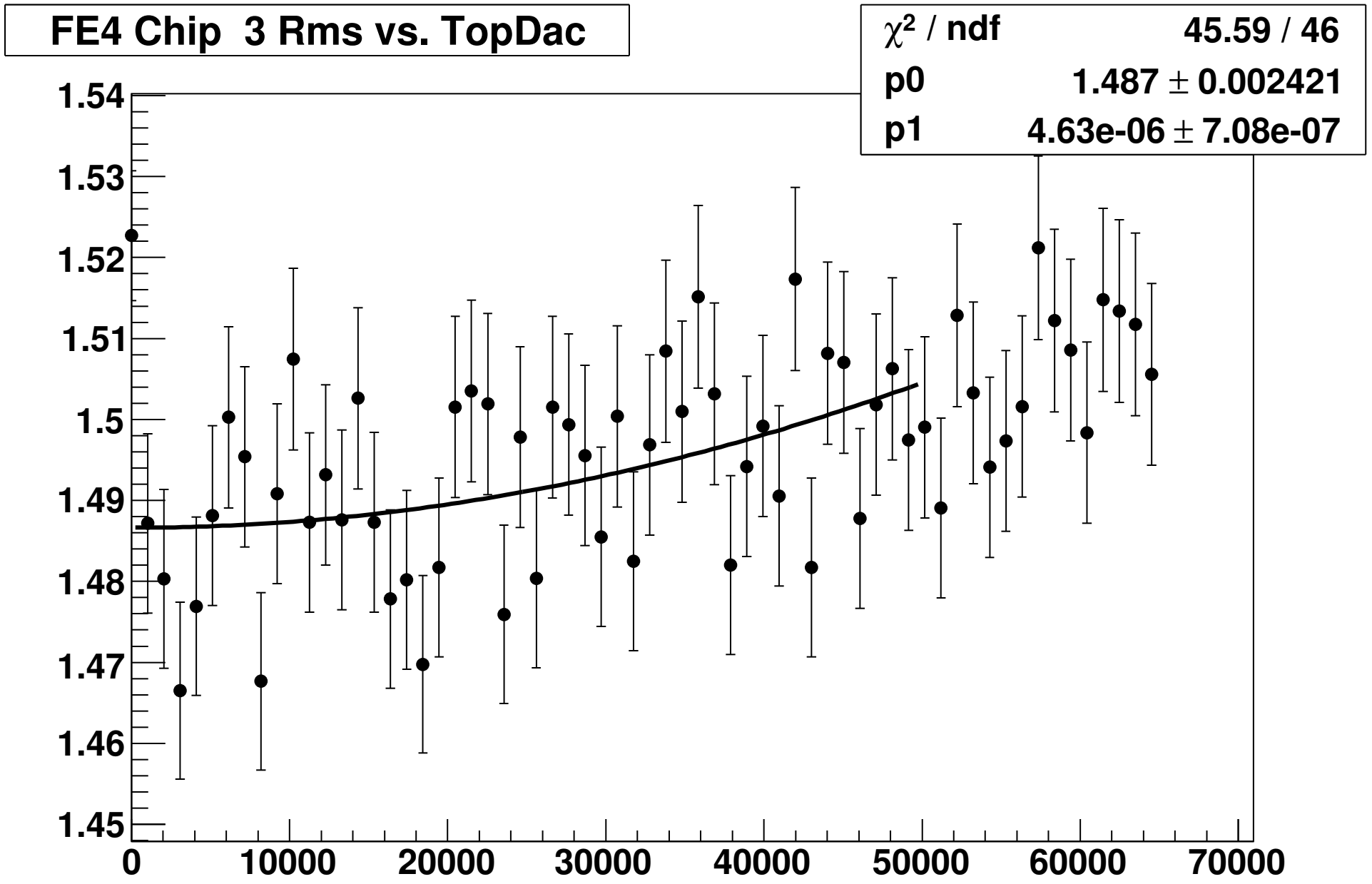
FE4 Chip 3 Rms vs. TopDac
χ² / ndf 45.59 / 46
p0 1.487 ± 0.002421
p1 4.63e-06 ± 7.08e-07
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
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60000
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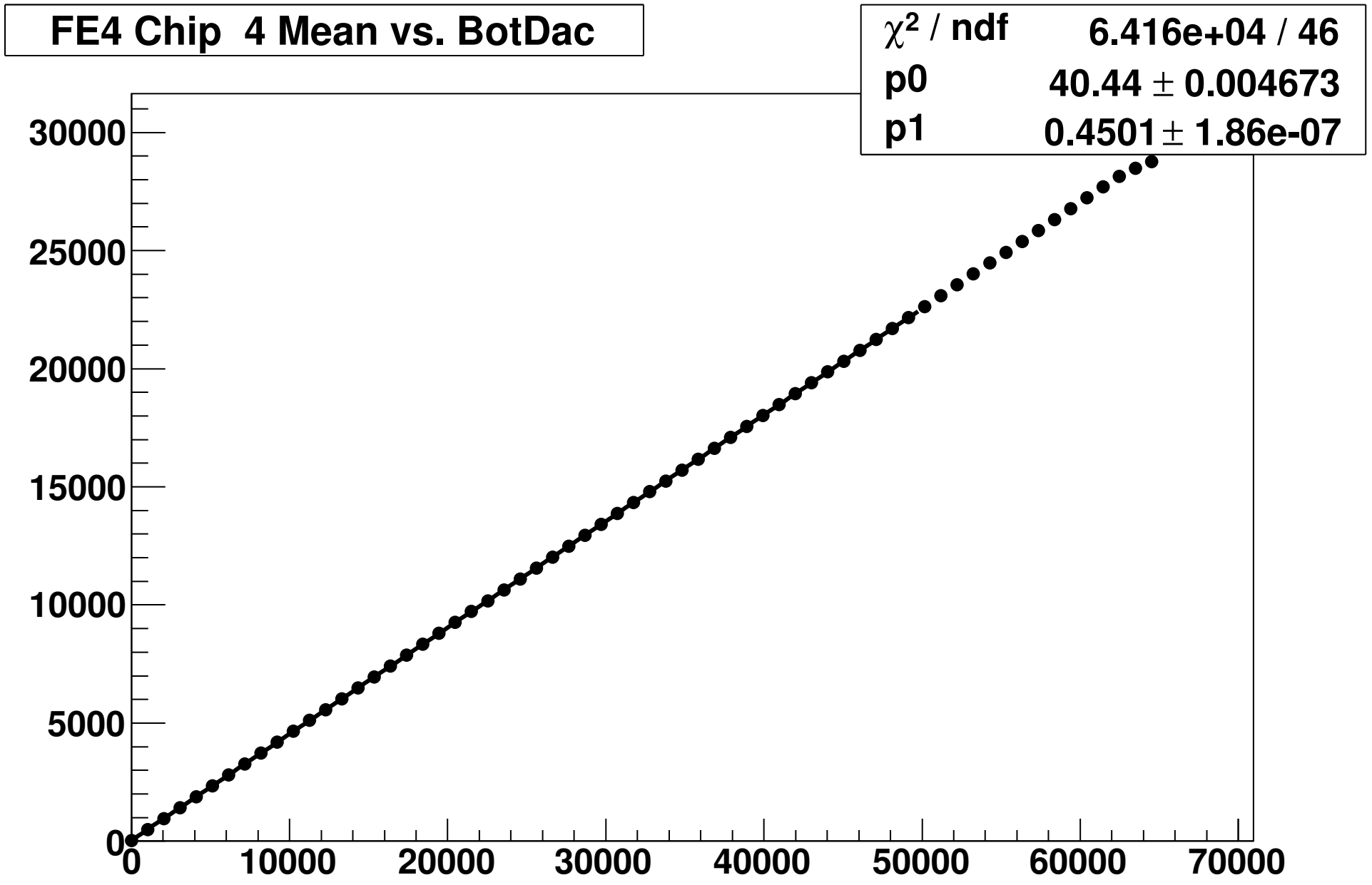
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 6.416e+04 / 46
p0 40.44 ± 0.004673
p1 0.4501 ± 1.86e-07
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15000
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20000
30000
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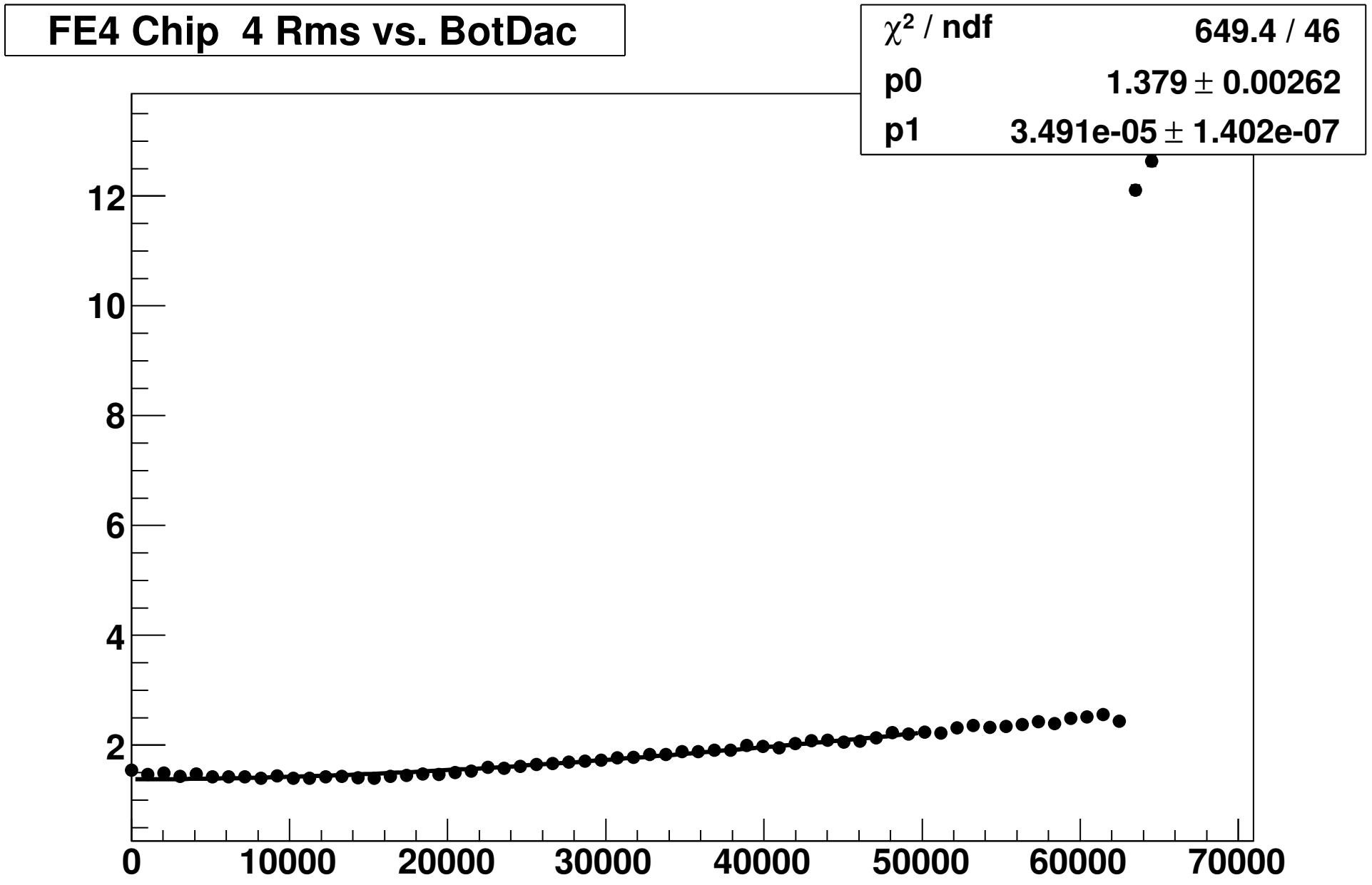
FE4 Chip 4 Rms vs. BotDac
χ² / ndf 649.4 / 46
p0 1.379 ± 0.00262
p1 3.491e-05 ± 1.402e-07
12
10
8
6
4
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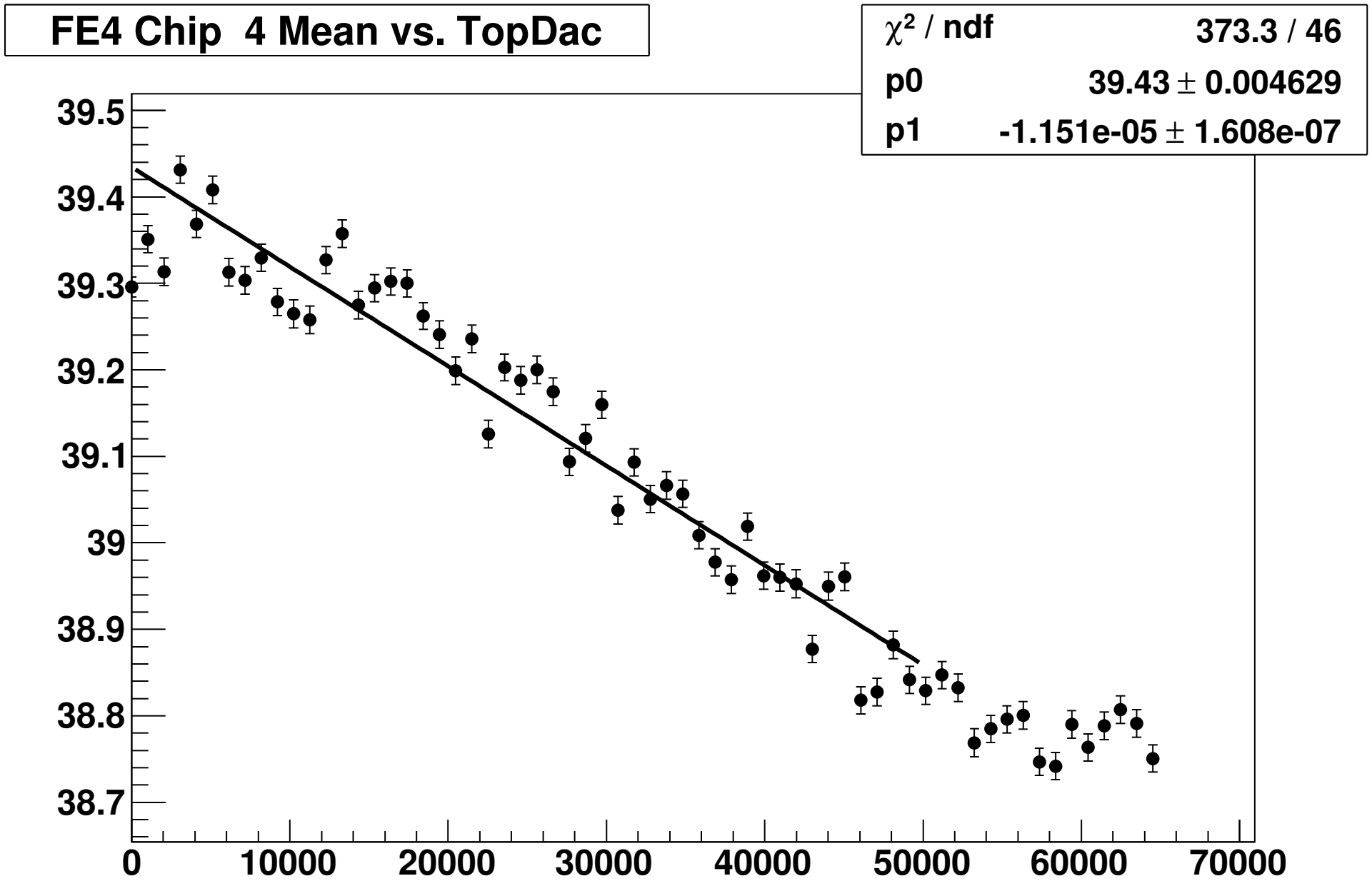
FE4 Chip 4 Mean vs. TopDac
χ² / ndf 373.3 / 46
p0 39.43 ± 0.004629
p1 -1.151e-05 ± 1.608e-07
39.5
39.4
39.3
39.2
39.1
39
38.9
38.8
38.7
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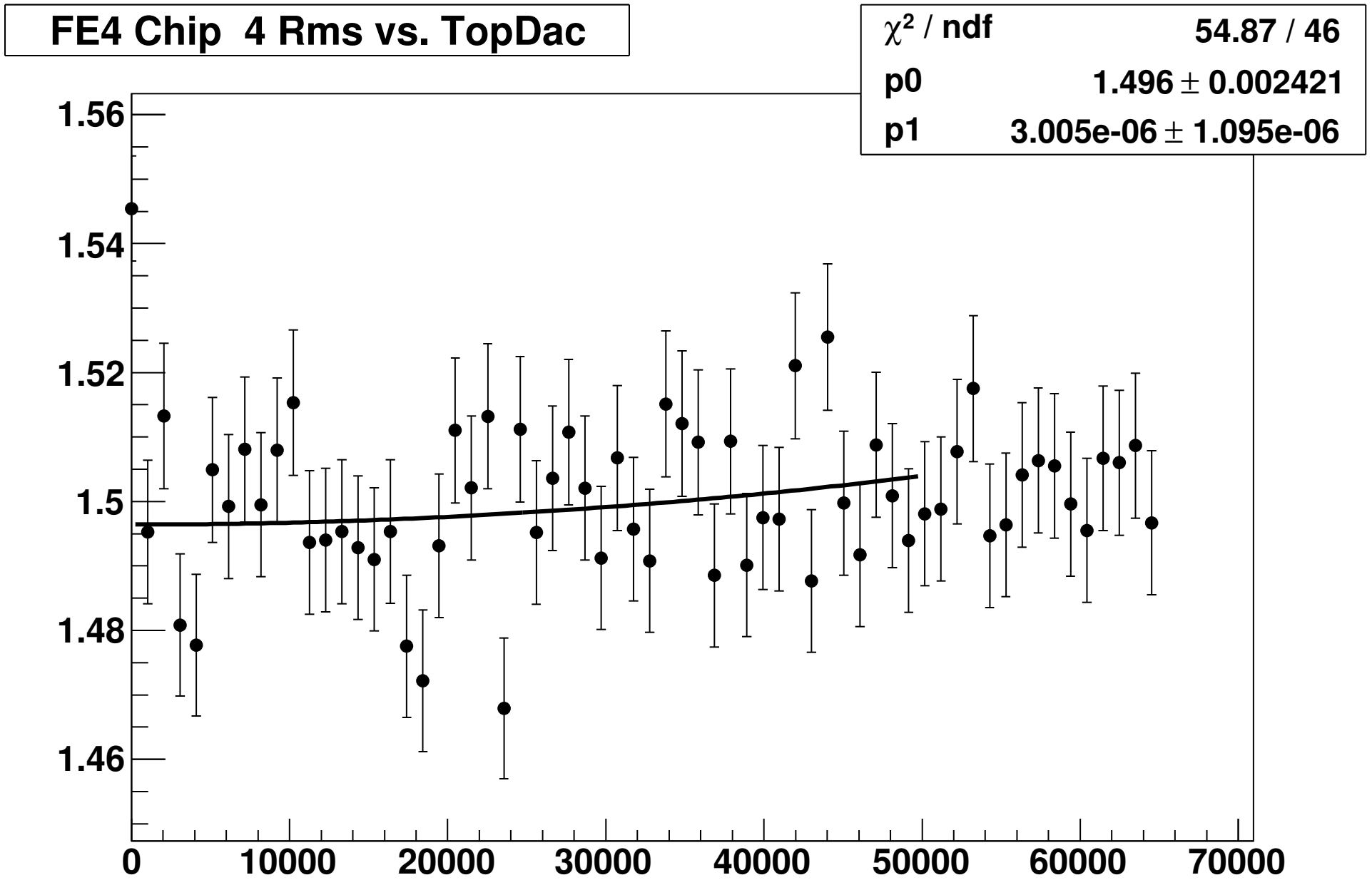
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 54.87 / 46
p0 1.496 ± 0.002421
p1 3.005e-06 ± 1.095e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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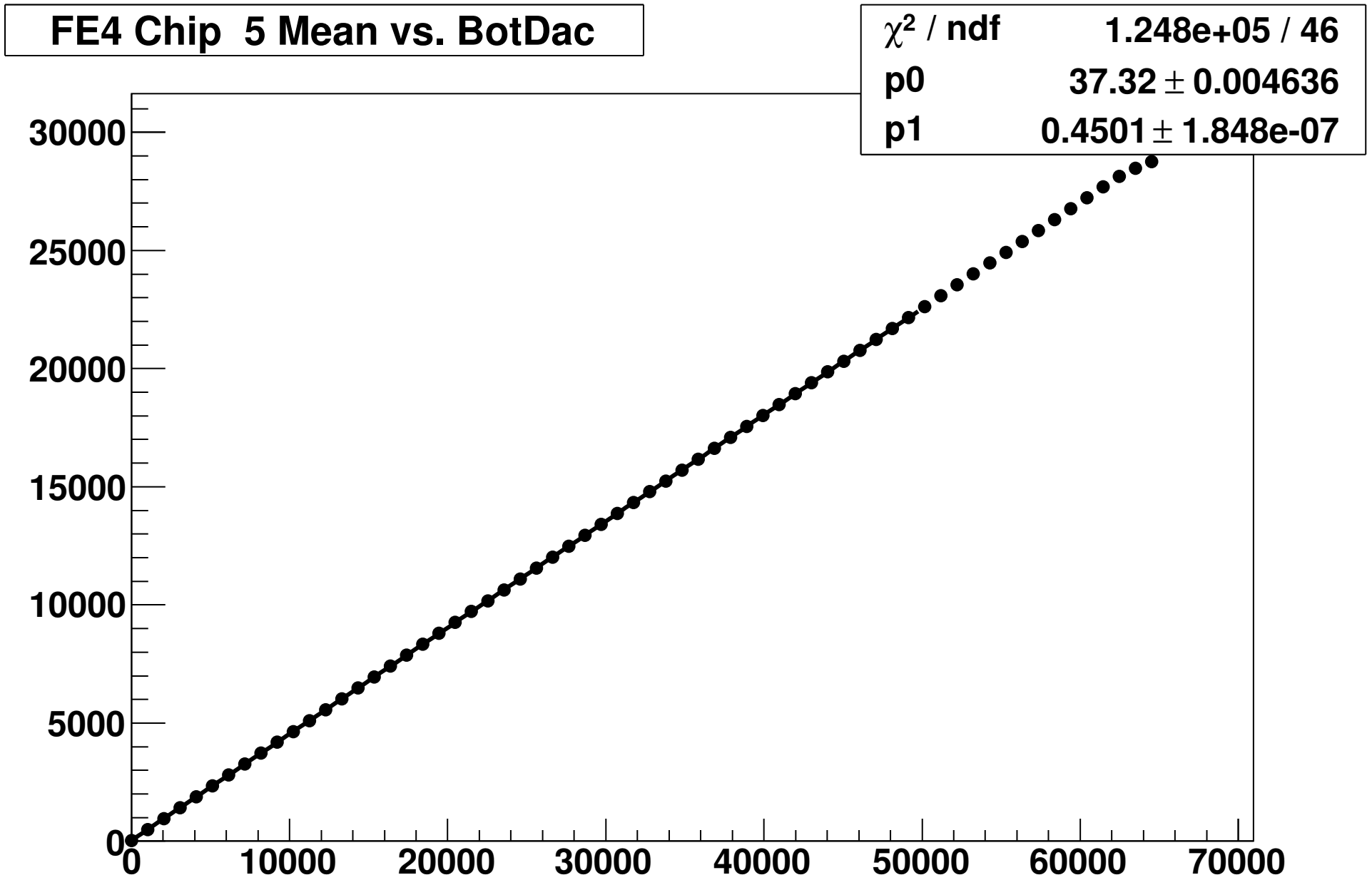
FE4 Chip 5 Mean vs. BotDac
χ² / ndf 1.248e+05 / 46
p0 37.32 ± 0.004636
p1 0.4501 ± 1.848e-07
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20000
15000
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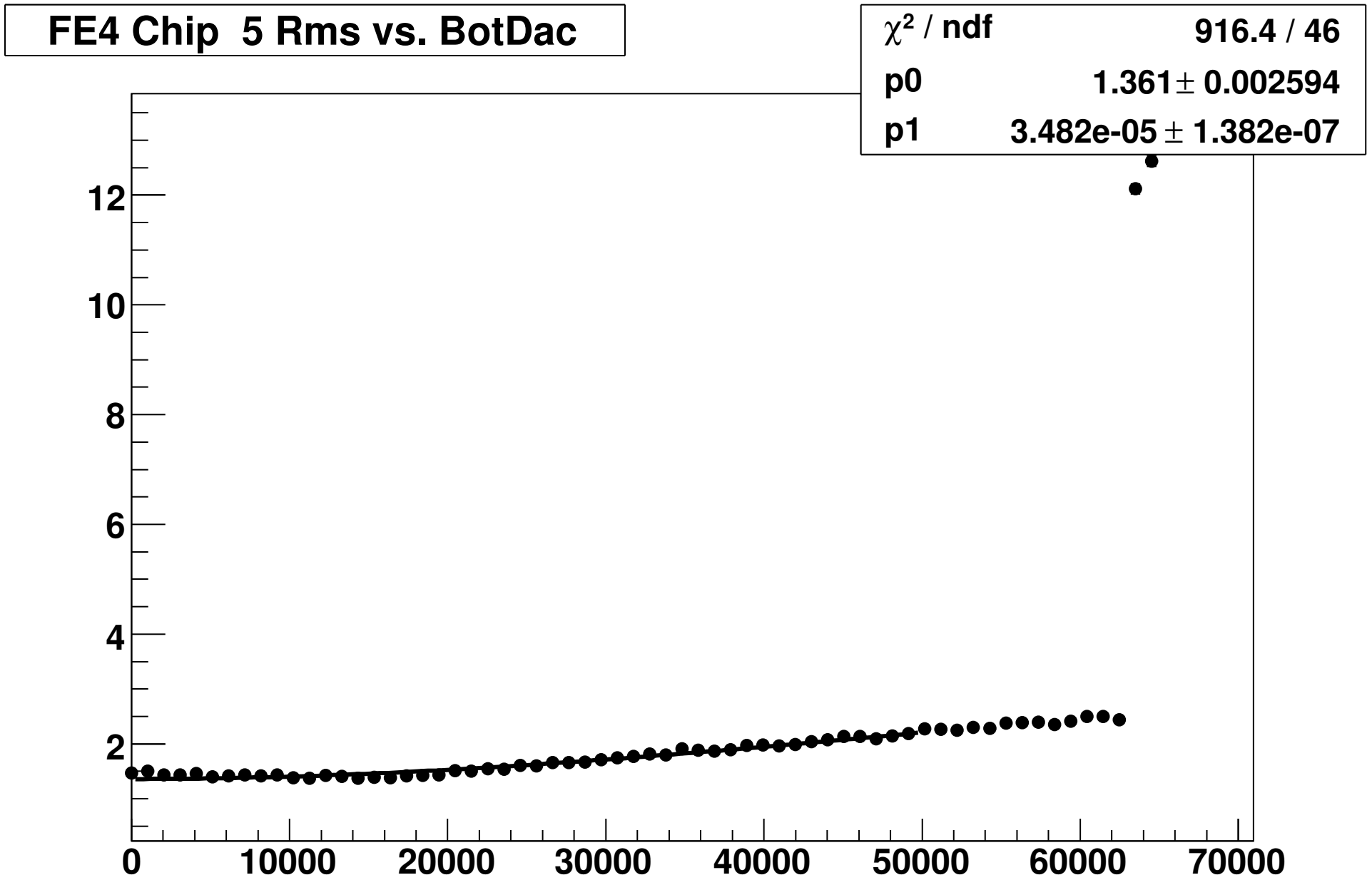
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 916.4 / 46
p0 1.361 ± 0.002594
p1 3.482e-05 ± 1.382e-07
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10
8
6
4
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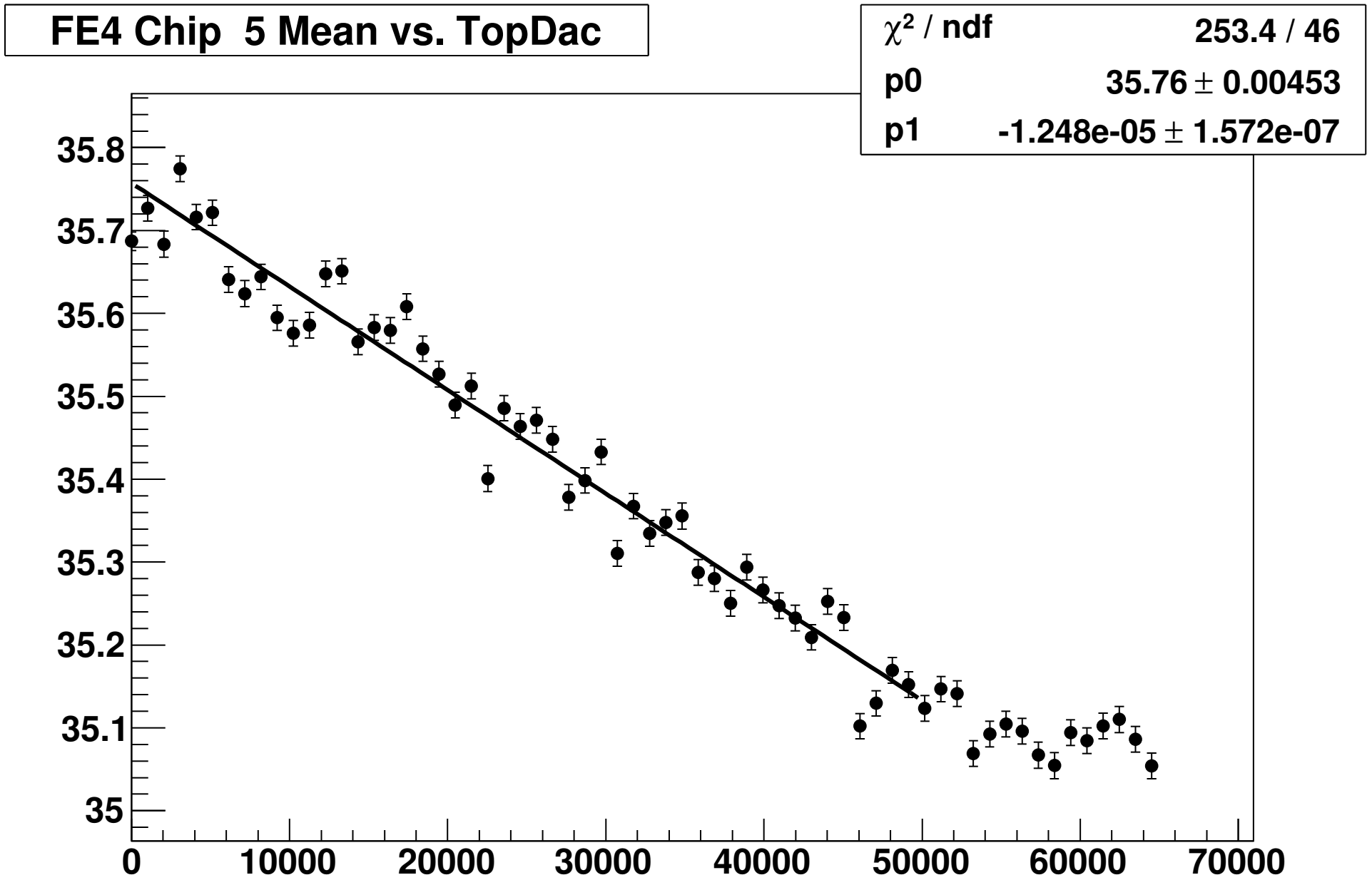
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 253.4 / 46
p0 35.76 ± 0.00453
p1 -1.248e-05 ± 1.572e-07
35.8
35.7
35.6
35.5
35.4
35.3
35.2
35.1
35
0
10000
20000
30000
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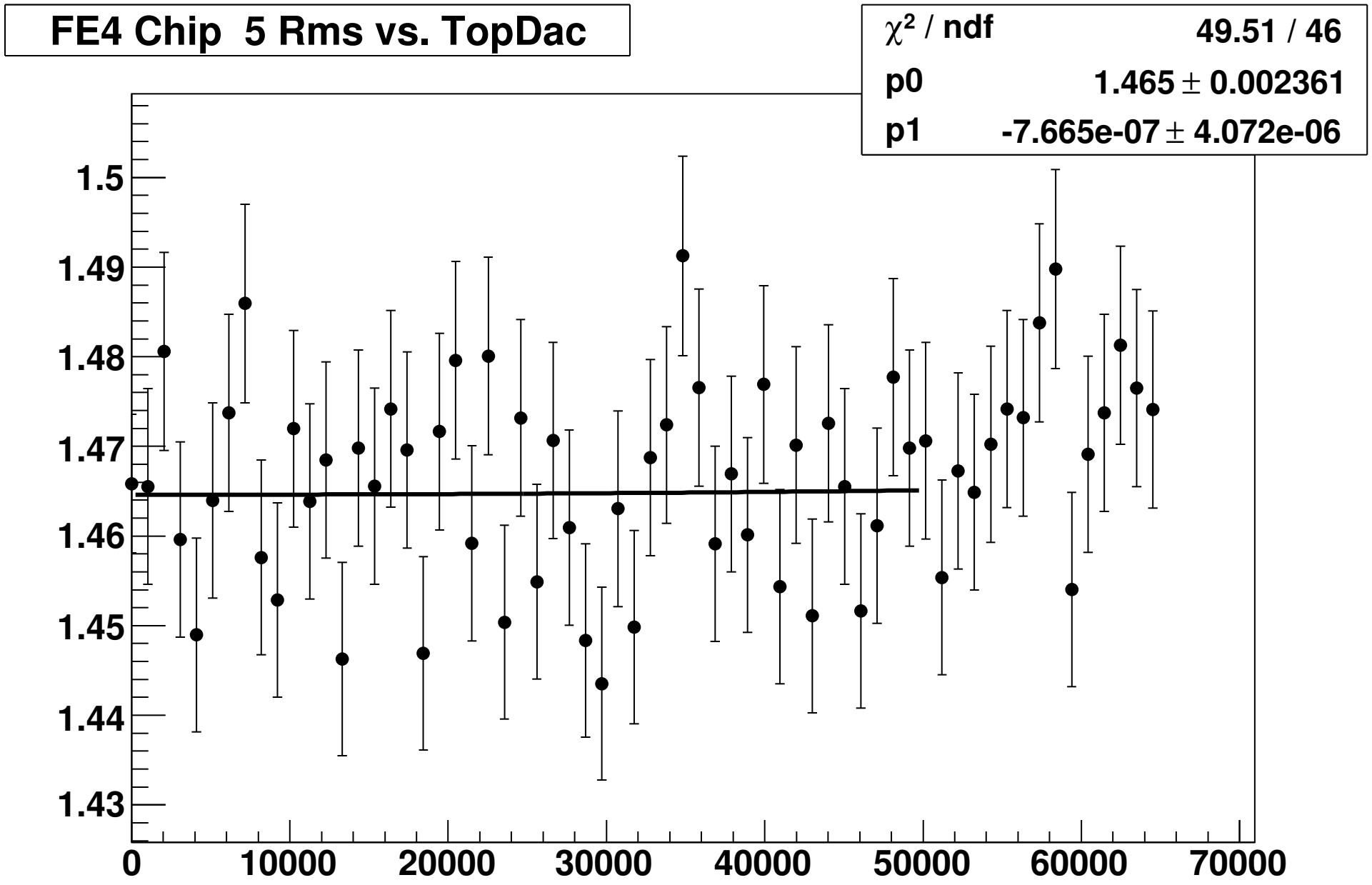
FE4 Chip 5 Rms vs. TopDac
χ² / ndf 49.51 / 46
p0 1.465 ± 0.002361
p1 -7.665e-07 ± 4.072e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
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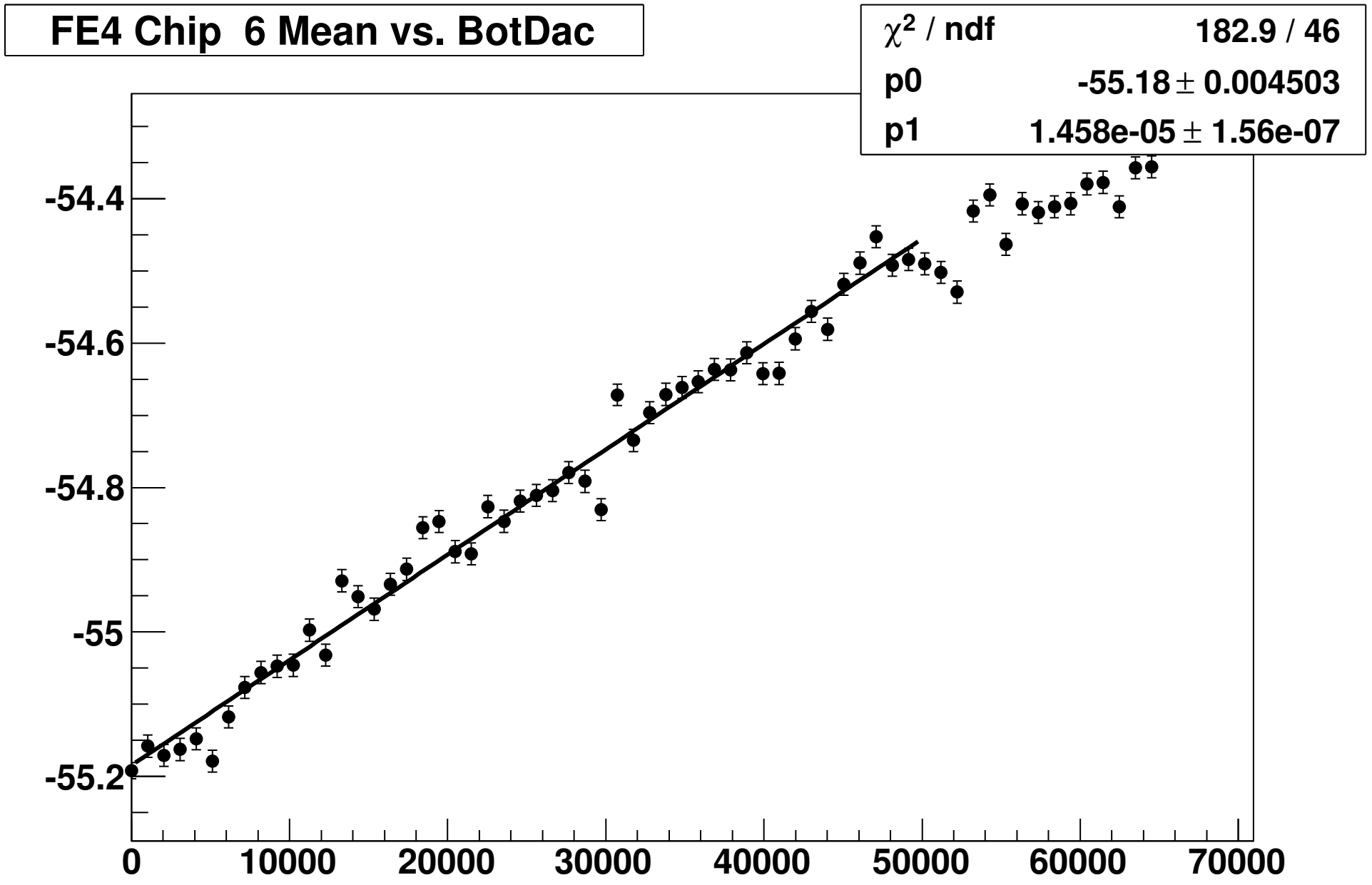
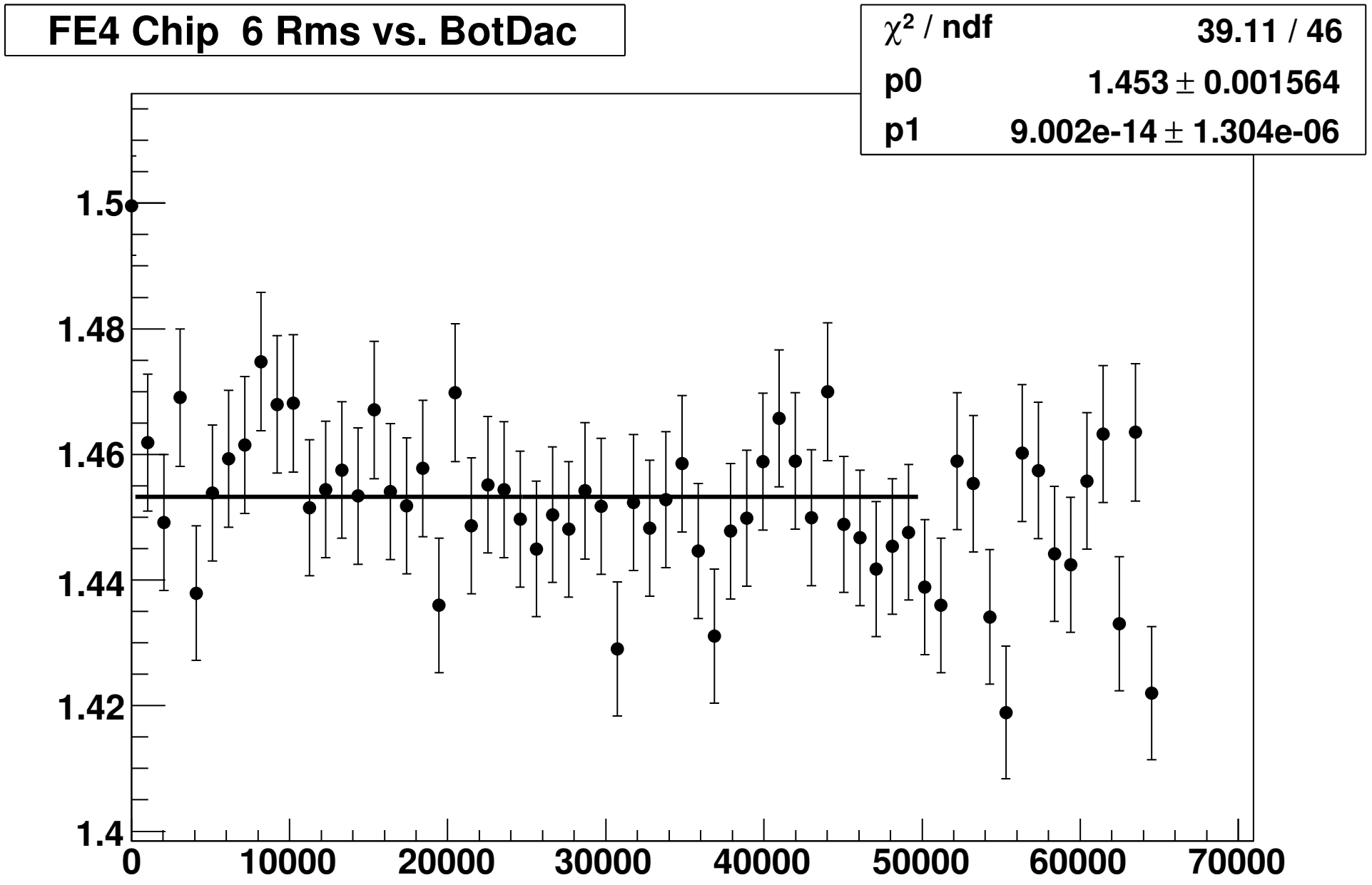

FE4 Chip 6 Mean vs. BotDac
χ² / ndf 182.9 / 46
p0 -55.18 ± 0.004503
p1 1.458e-05 ± 1.56e-07
-54.4
-54.6
-54.8
-55
-55.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 39.11 / 46
p0 1.453 ± 0.001564
p1 9.002e-14 ± 1.304e-06
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1.48
1.46
1.44
1.42
1.4
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10000
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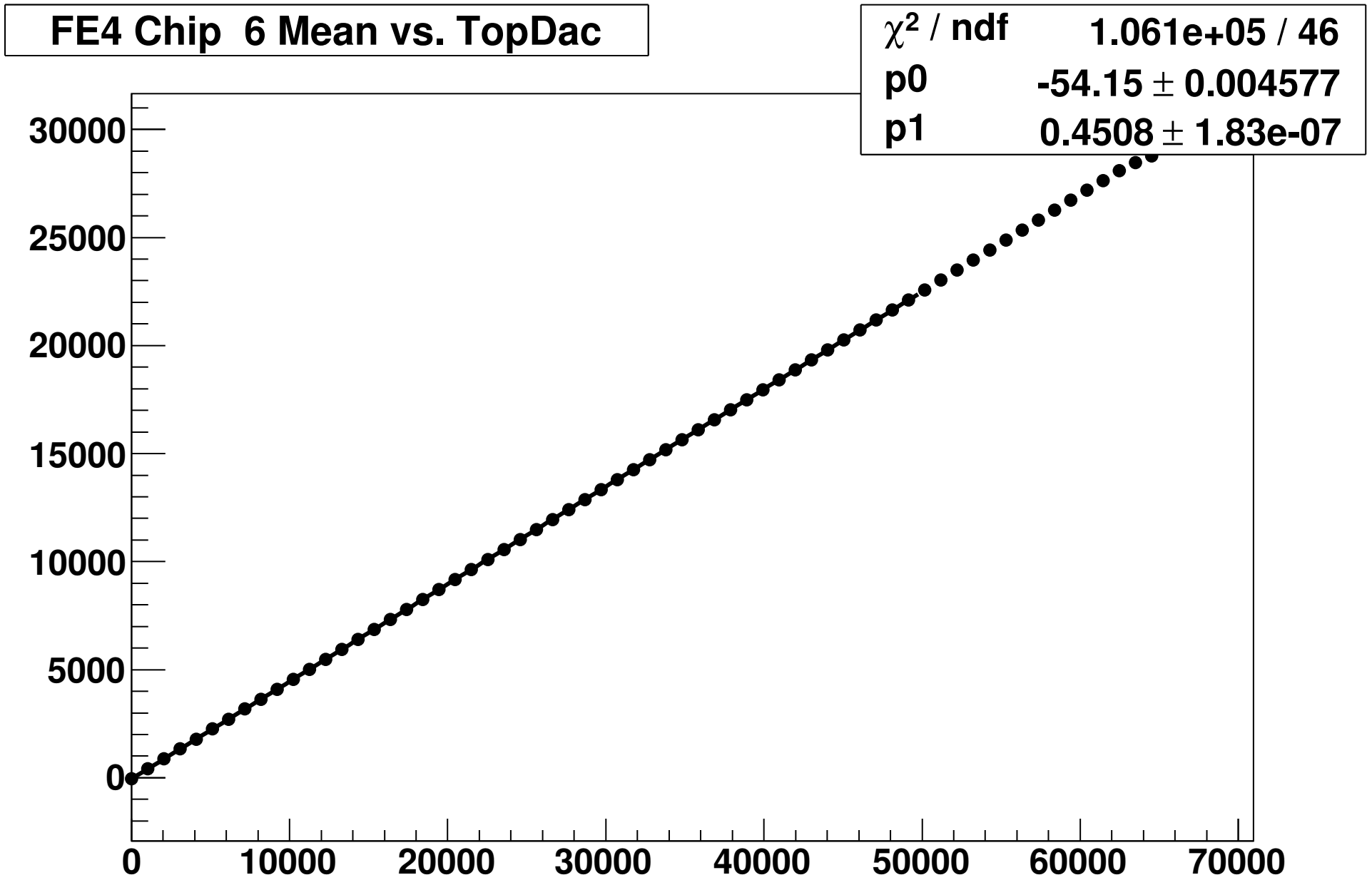
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.061e+05 / 46
p0 -54.15 ± 0.004577
p1 0.4508 ± 1.83e-07
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25000
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15000
10000
5000
0
0
10000
20000
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50000
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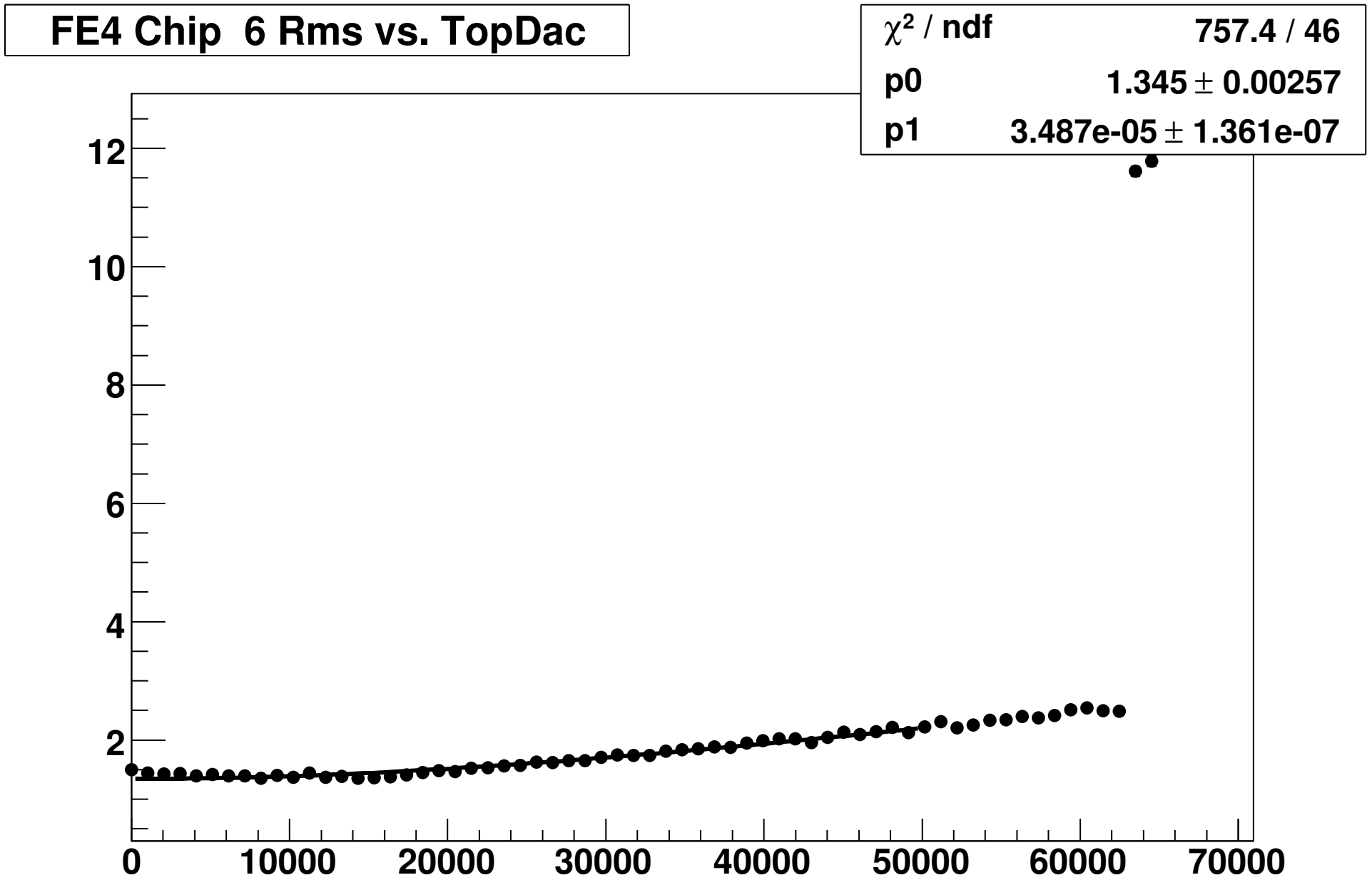
70000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 757.4 / 46
p0 1.345 ± 0.00257
p1 3.487e-05 ± 1.361e-07
12
10
8
6
4
2
0
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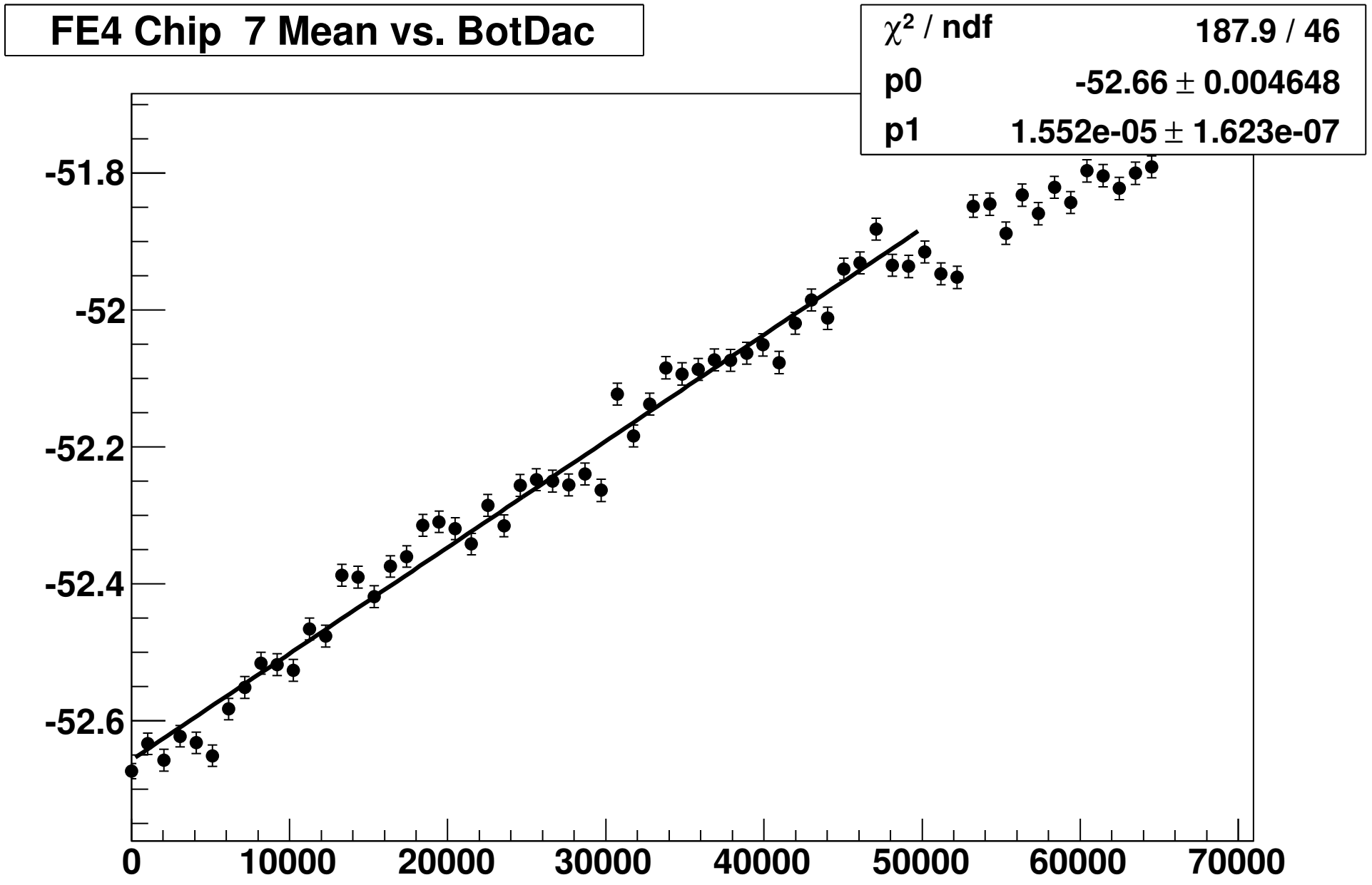
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 187.9 / 46
p0 -52.66 ± 0.004648
p1 1.552e-05 ± 1.623e-07
-51.8
-52
-52.2
-52.4
-52.6
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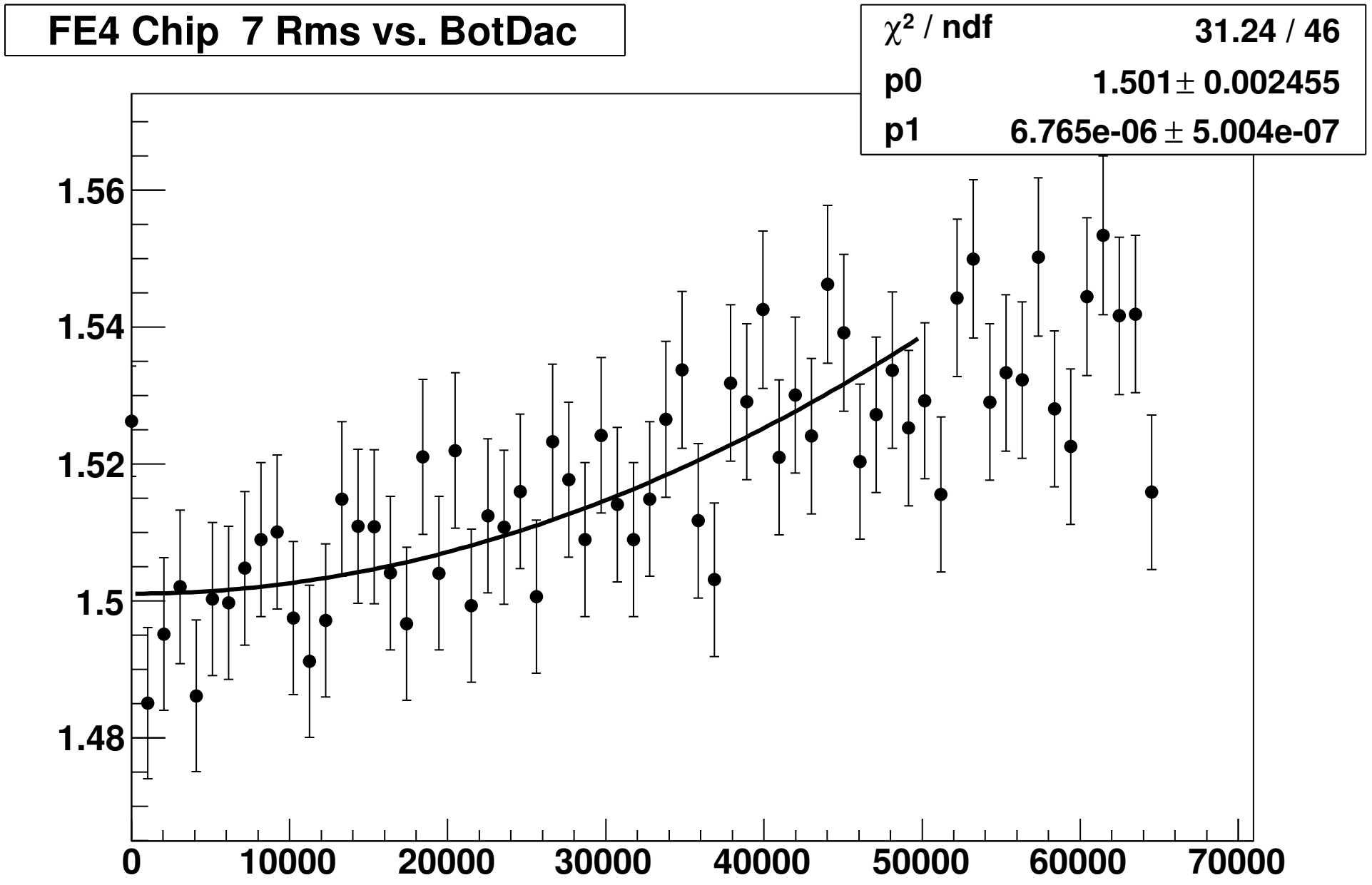
FE4 Chip 7 Rms vs. BotDac
χ² / ndf 31.24 / 46
p0 1.501 ± 0.002455
p1 6.765e-06 ± 5.004e-07
1.56
1.54
1.52
1.5
1.48
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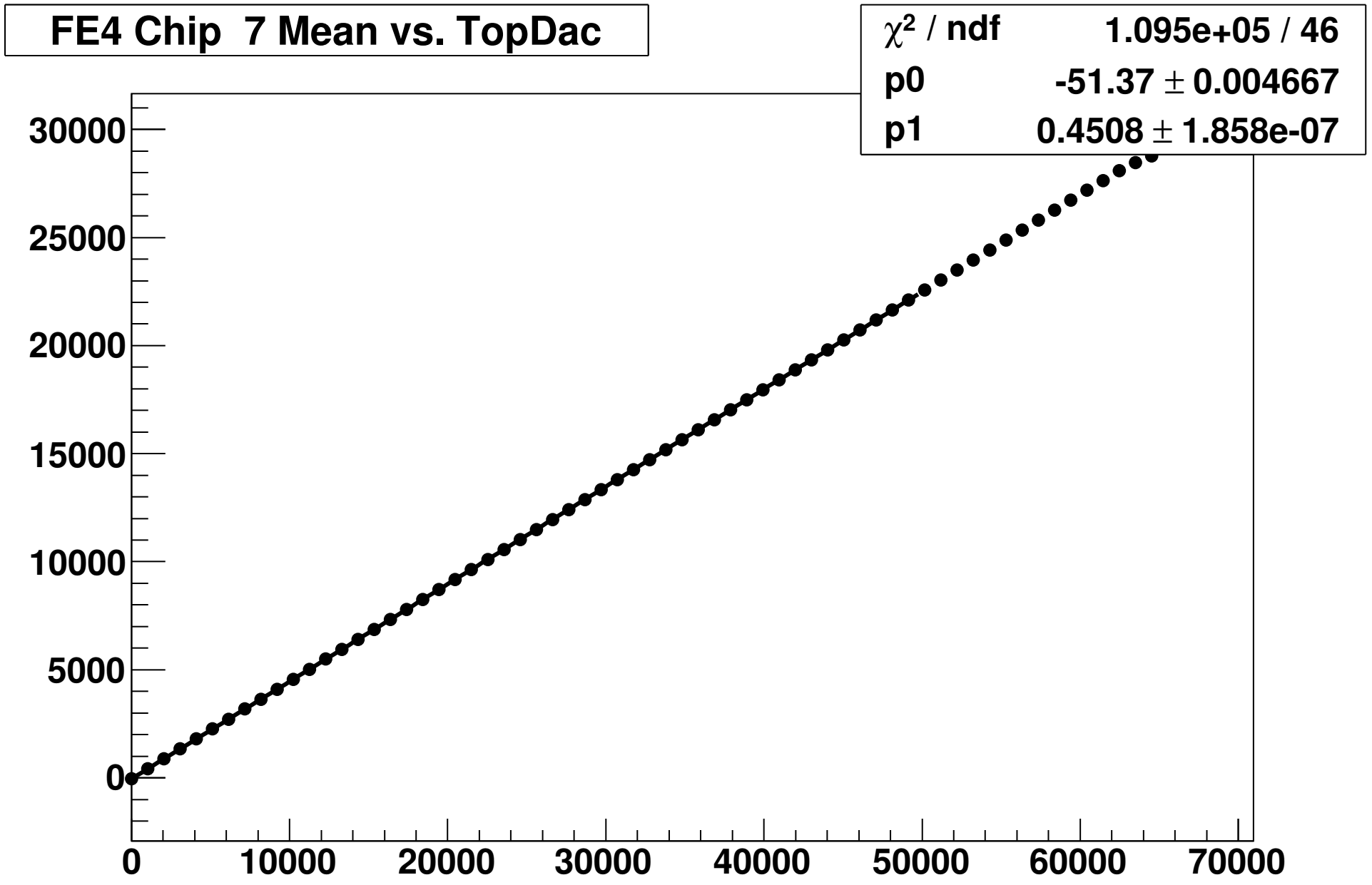
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 1.095e+05 / 46
p0 -51.37 ± 0.004667
p1 0.4508 ± 1.858e-07
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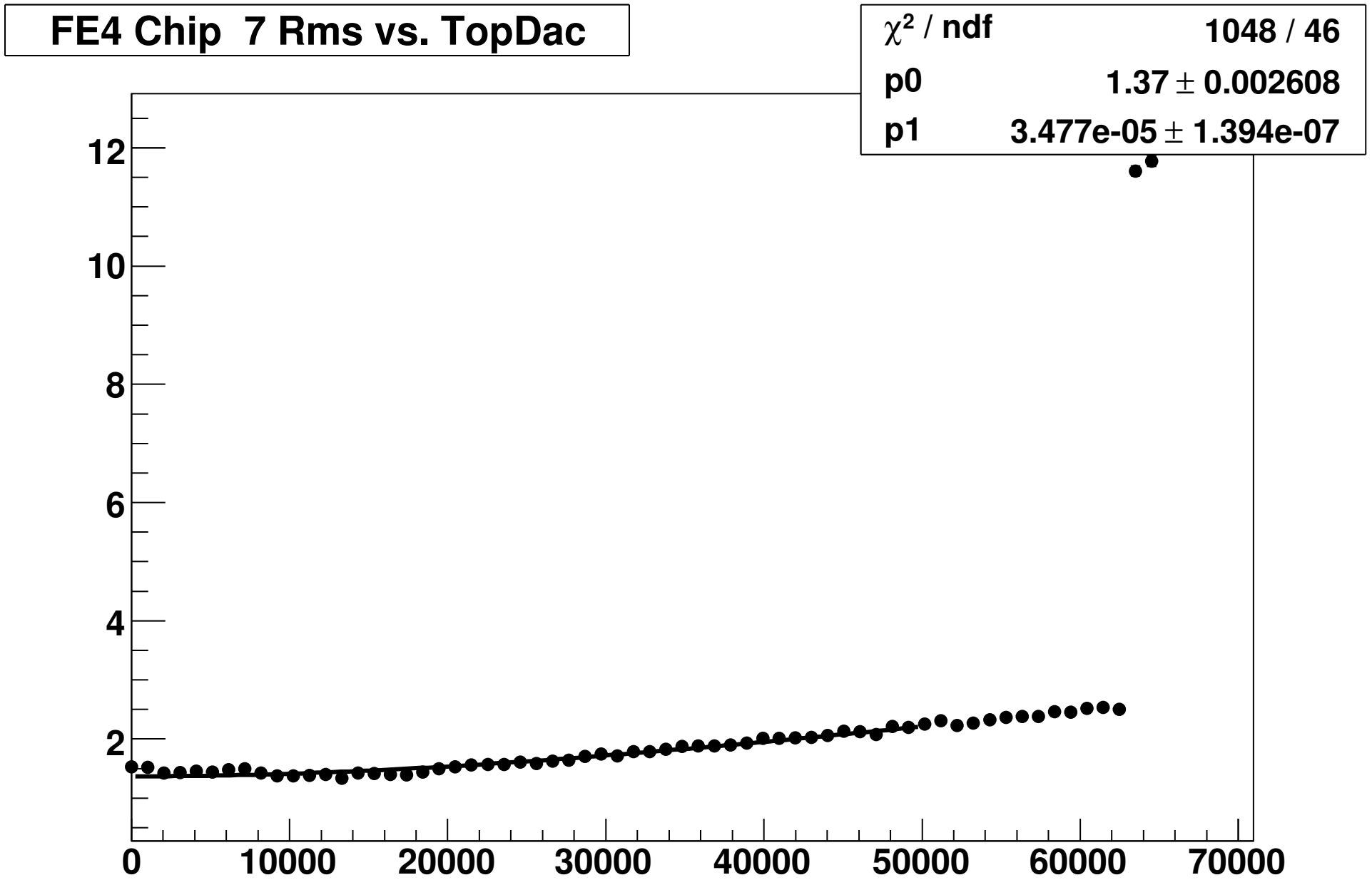
FE4 Chip 7 Rms vs. TopDac
χ² / ndf 1048 / 46
p0 1.37 ± 0.002608
p1 3.477e-05 ± 1.394e-07
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10
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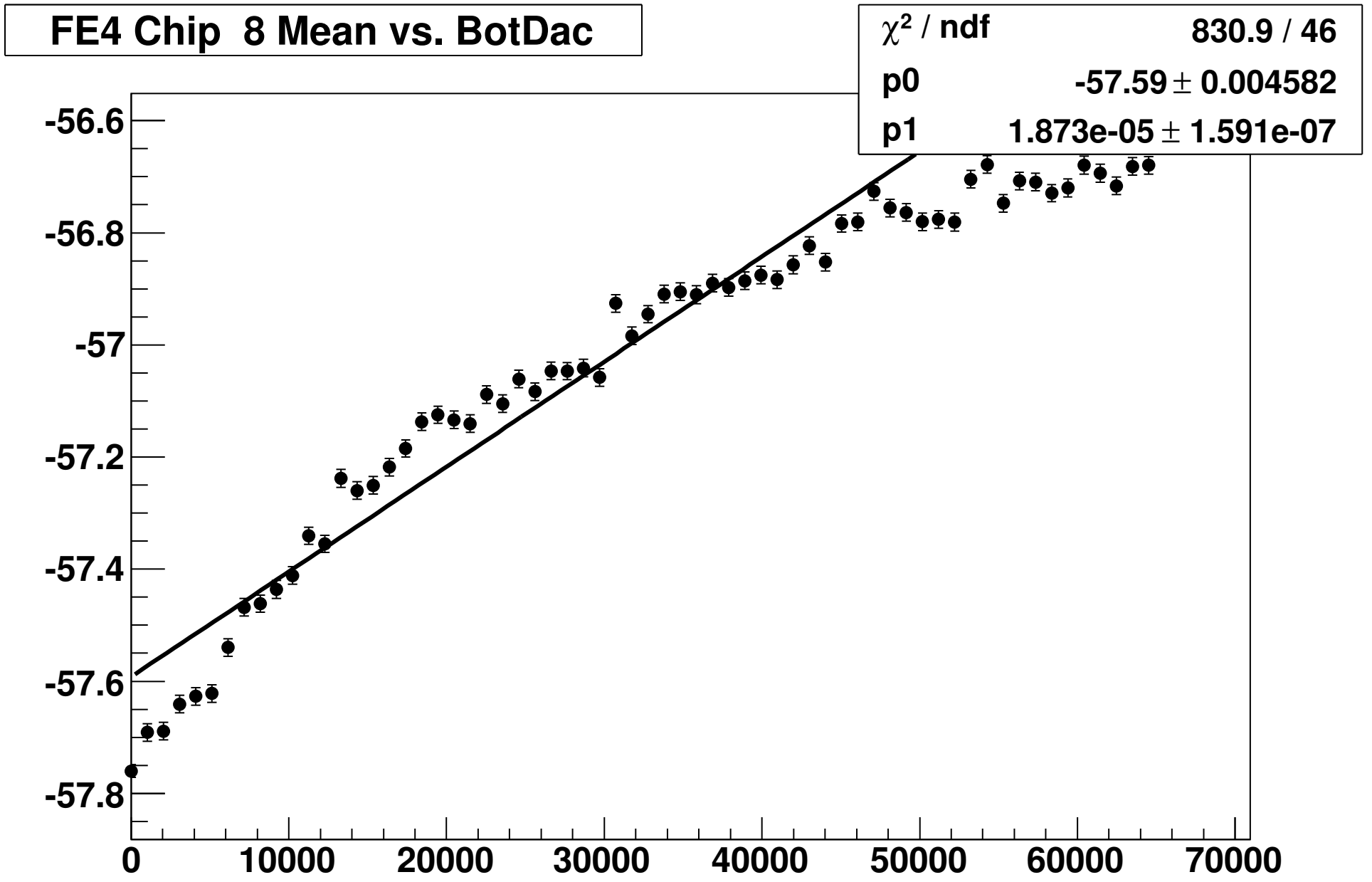
FE4 Chip 8 Mean vs. BotDac
χ² / ndf 830.9 / 46
p0 -57.59 ± 0.004582
p1 1.873e-05 ± 1.591e-07
-56.6
-56.8
-57
-57.2
-57.4
-57.6
-57.8
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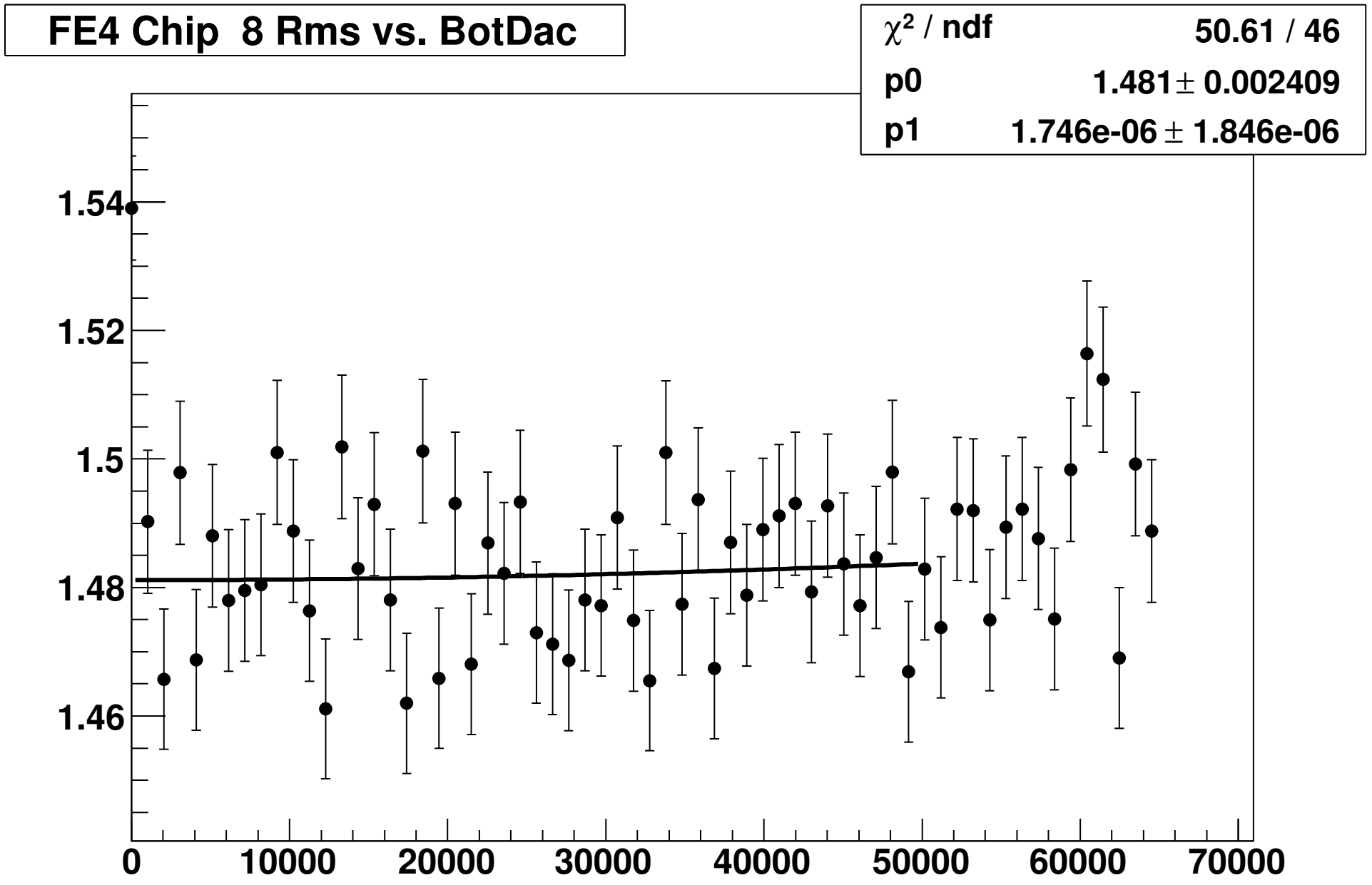
FE4 Chip 8 Rms vs. BotDac
χ² / ndf 50.61 / 46
p0 1.481 ± 0.002409
p1 1.746e-06 ± 1.846e-06
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1.52
1.5
1.48
1.46
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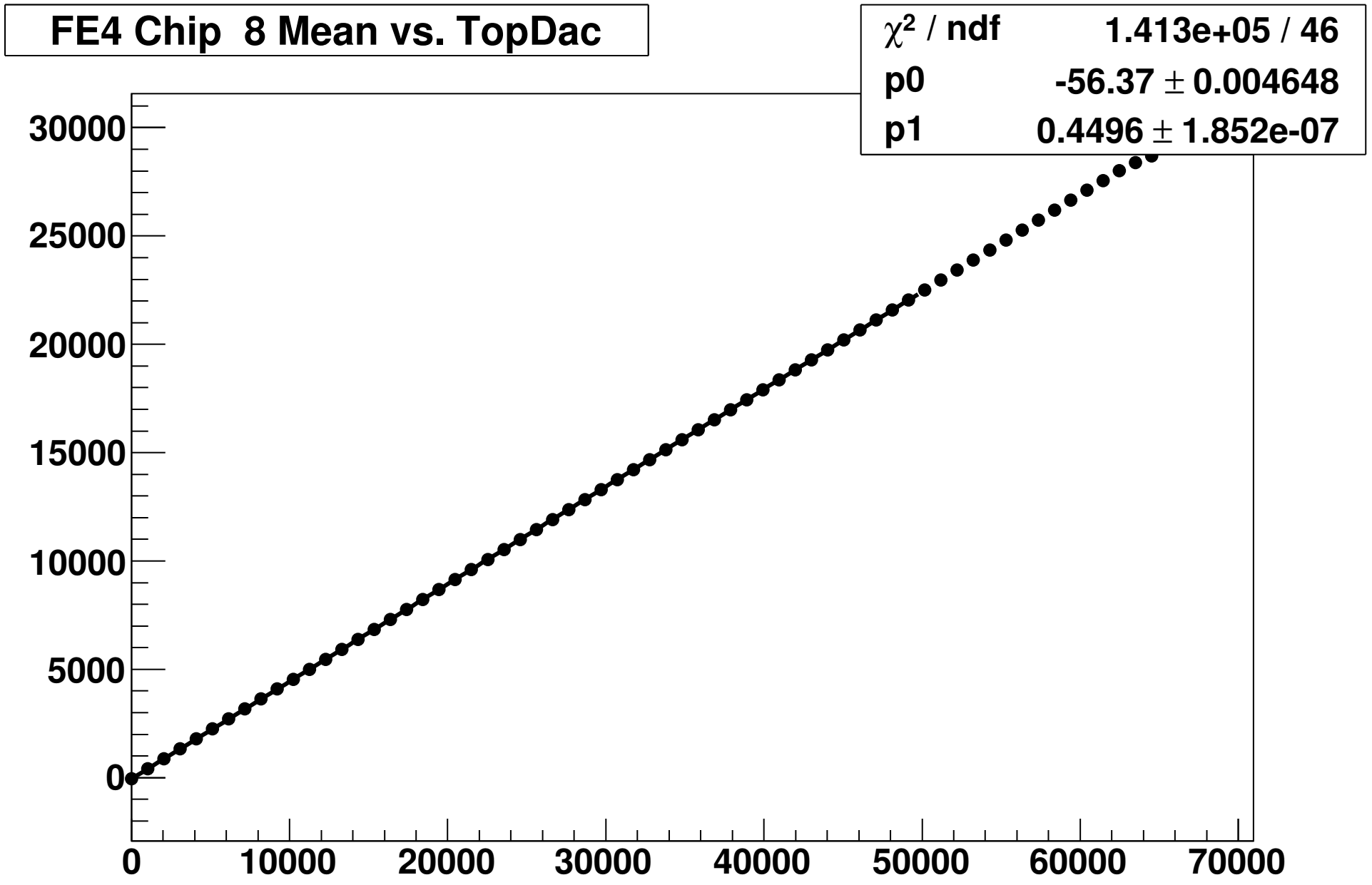
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 1.413e+05 / 46
p0 -56.37 ± 0.004648
p1 0.4496 ± 1.852e-07
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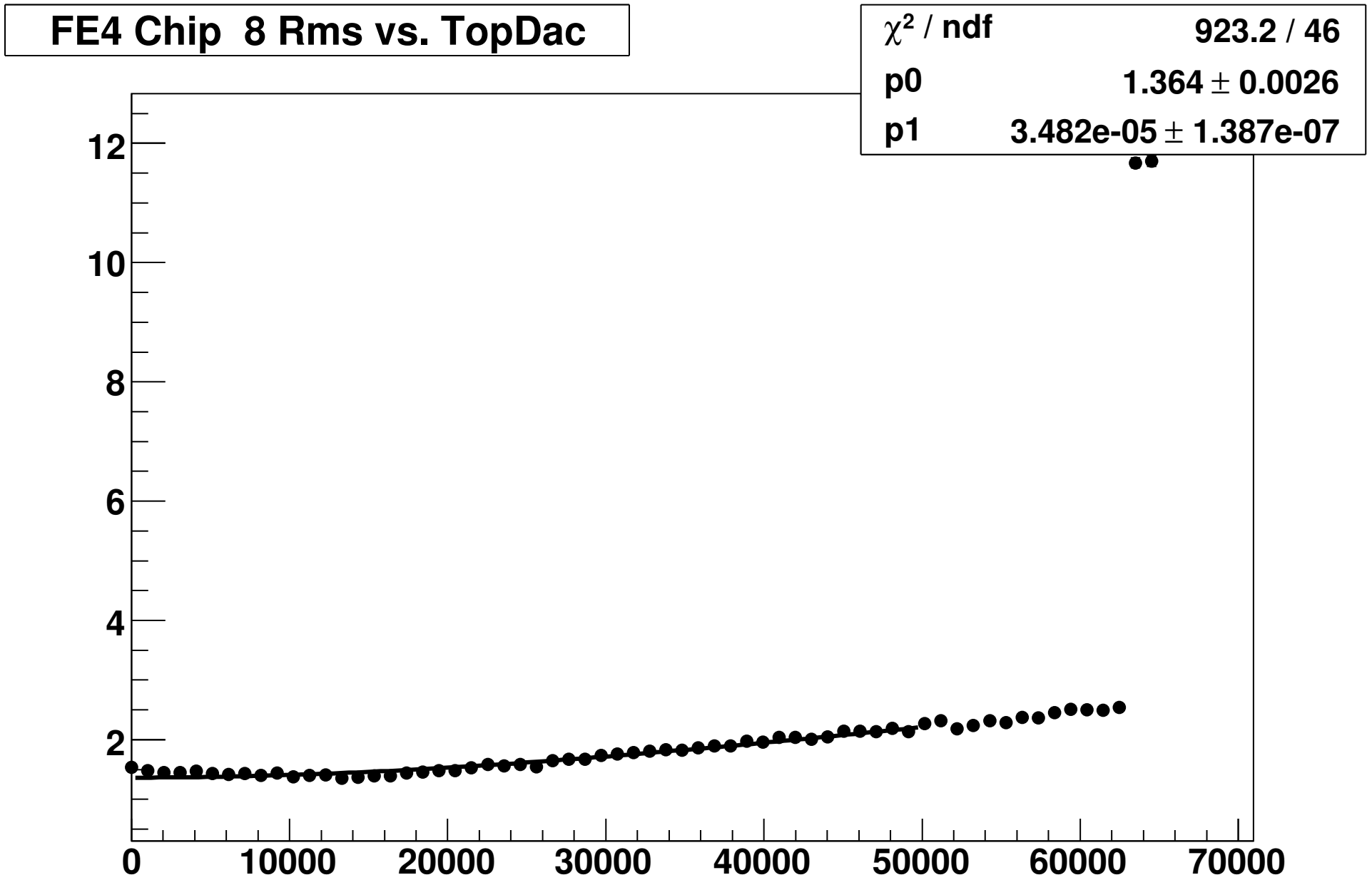
FE4 Chip 8 Rms vs. TopDac
χ² / ndf 923.2 / 46
p0 1.364 ± 0.0026
p1 3.482e-05 ± 1.387e-07
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10
8
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4
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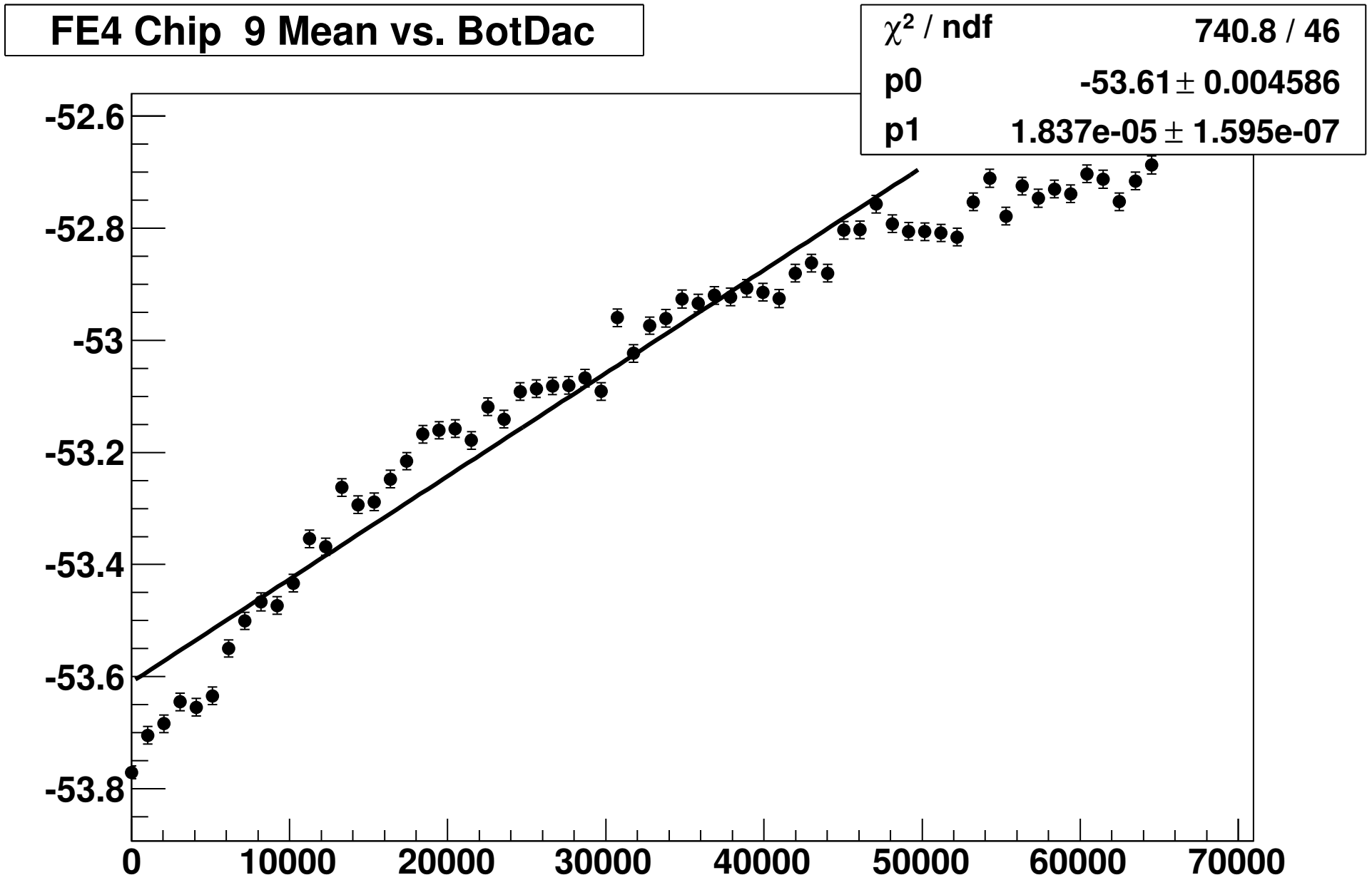
FE4 Chip 9 Mean vs. BotDac
χ² / ndf 740.8 / 46
p0 -53.61 ± 0.004586
p1 1.837e-05 ± 1.595e-07
-52.6
-52.8
-53
-53.2
-53.4
-53.6
-53.8
0
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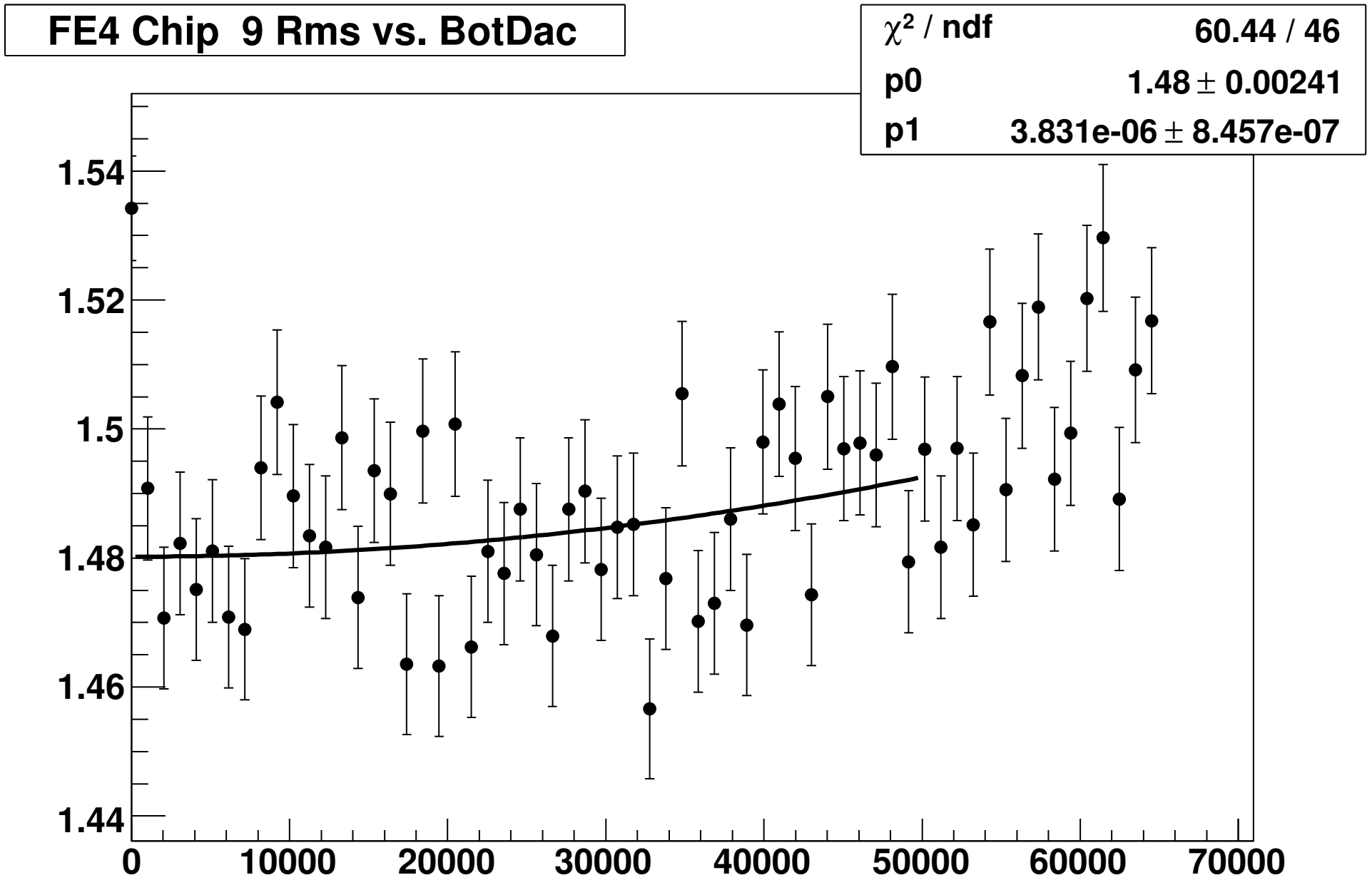
FE4 Chip 9 Rms vs. BotDac
χ² / ndf 60.44 / 46
p0 1.48 ± 0.00241
p1 3.831e-06 ± 8.457e-07
1.54
1.52
1.5
1.48
1.46
1.44
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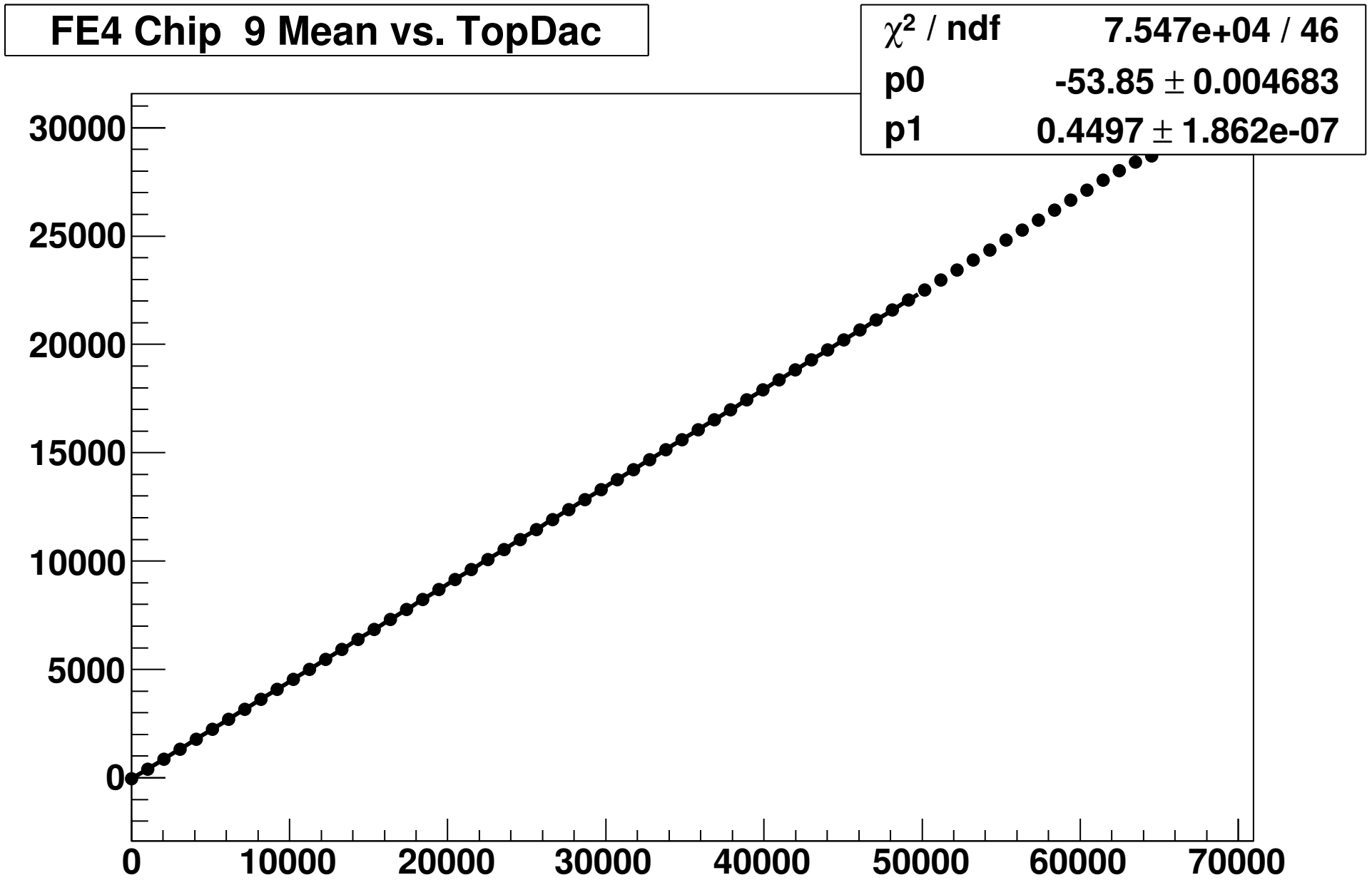
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 7.547e+04 / 46
p0 -53.85 ± 0.004683
p1 0.4497 ± 1.862e-07
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15000
10000
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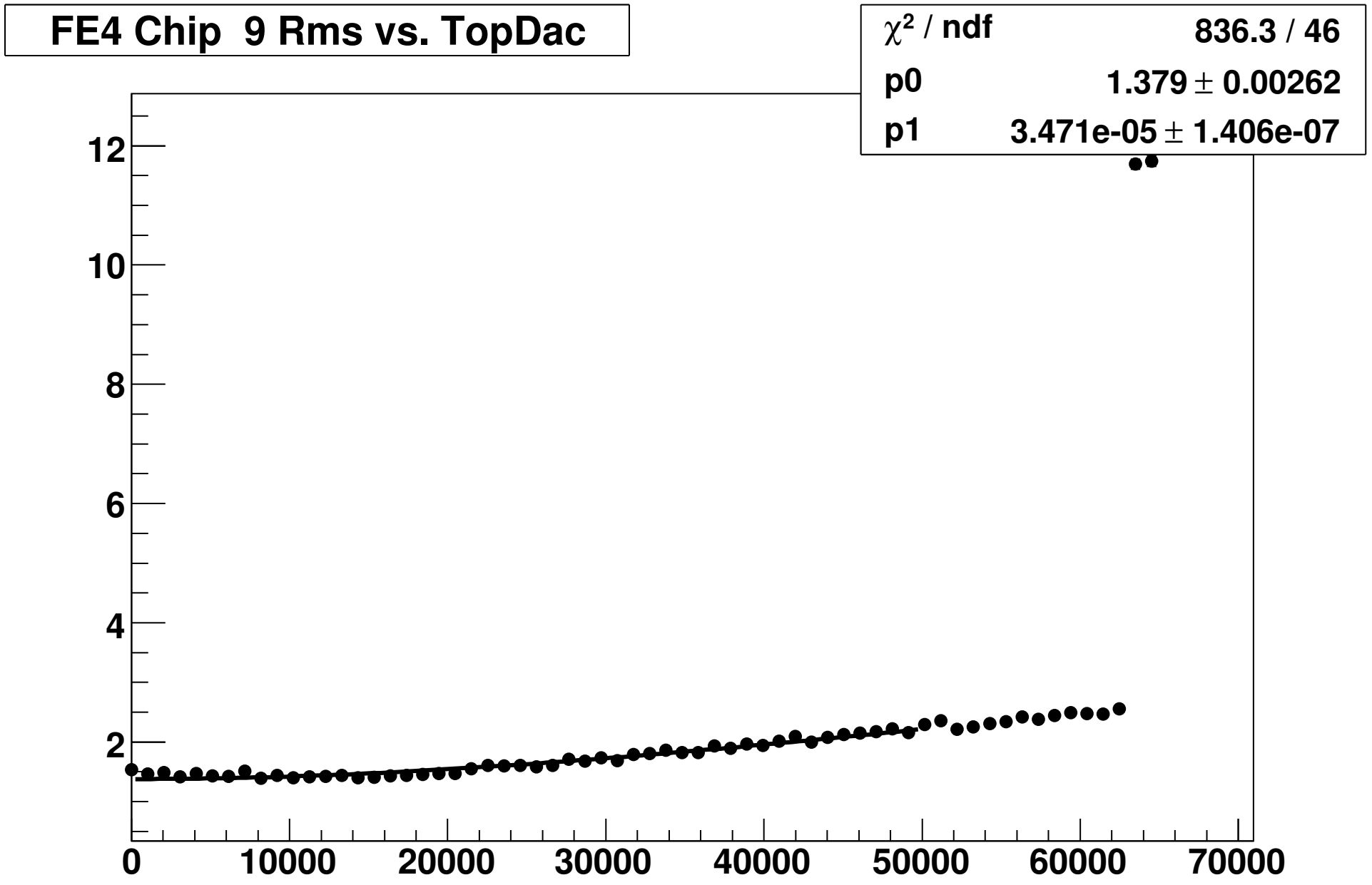
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 836.3 / 46
p0 1.379 ± 0.00262
p1 3.471e-05 ± 1.406e-07
12
10
8
6
4
2
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20000
30000
40000
50000
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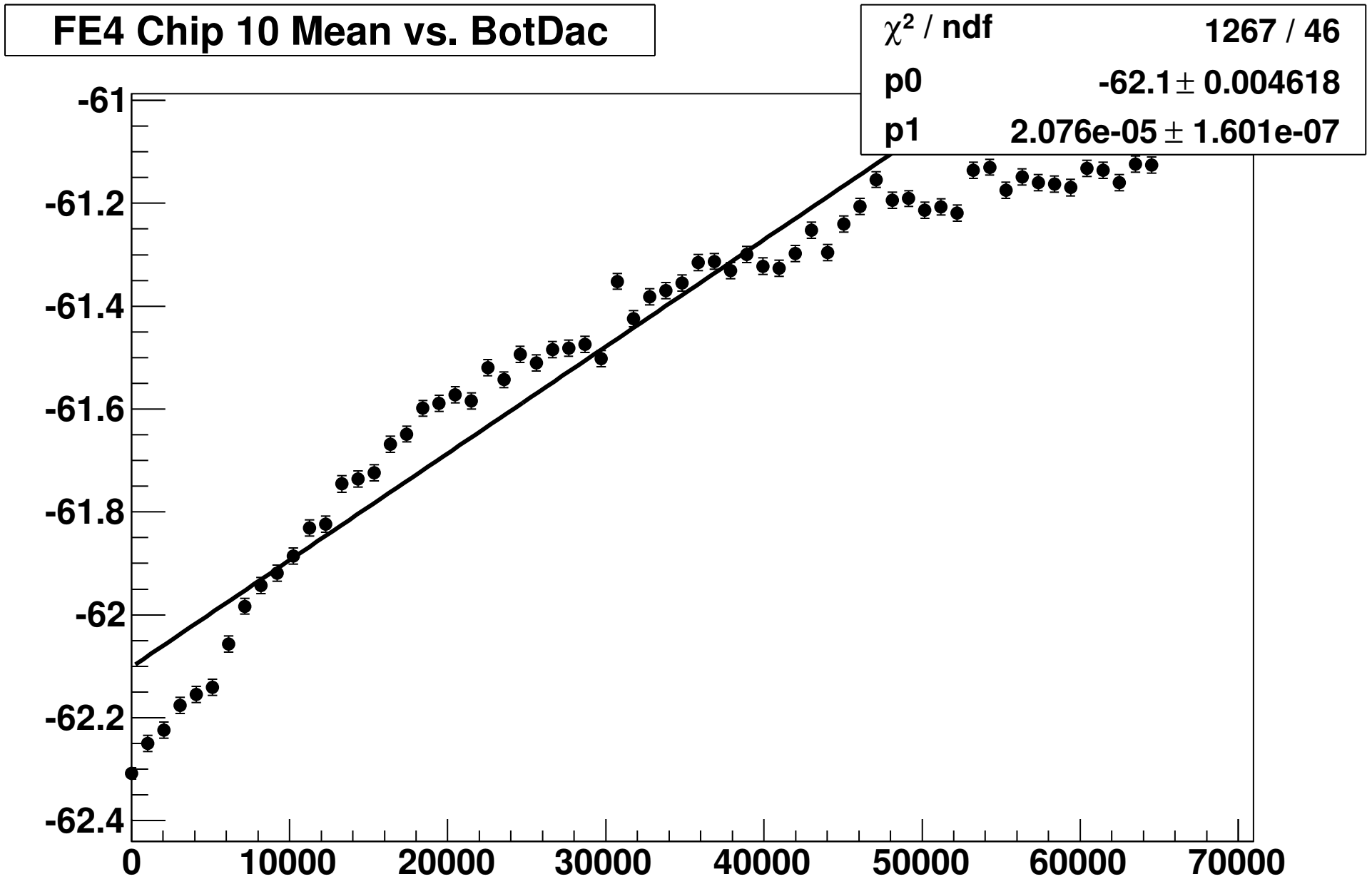
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 1267 / 46
p0 -62.1 ± 0.004618
p1 2.076e-05 ± 1.601e-07
-61
-61.2
-61.4
-61.6
-61.8
-62
-62.2
-62.4
0
10000
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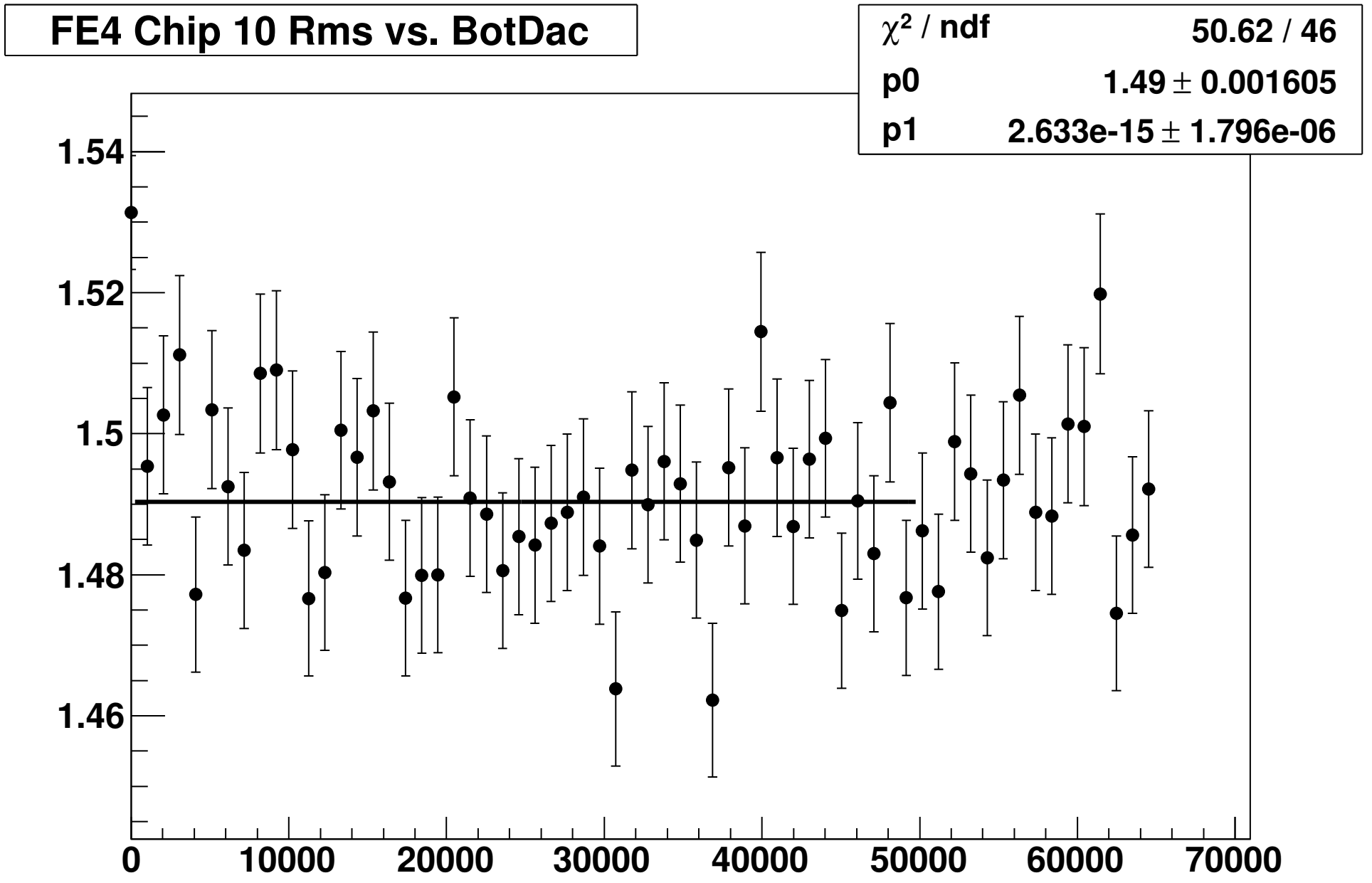
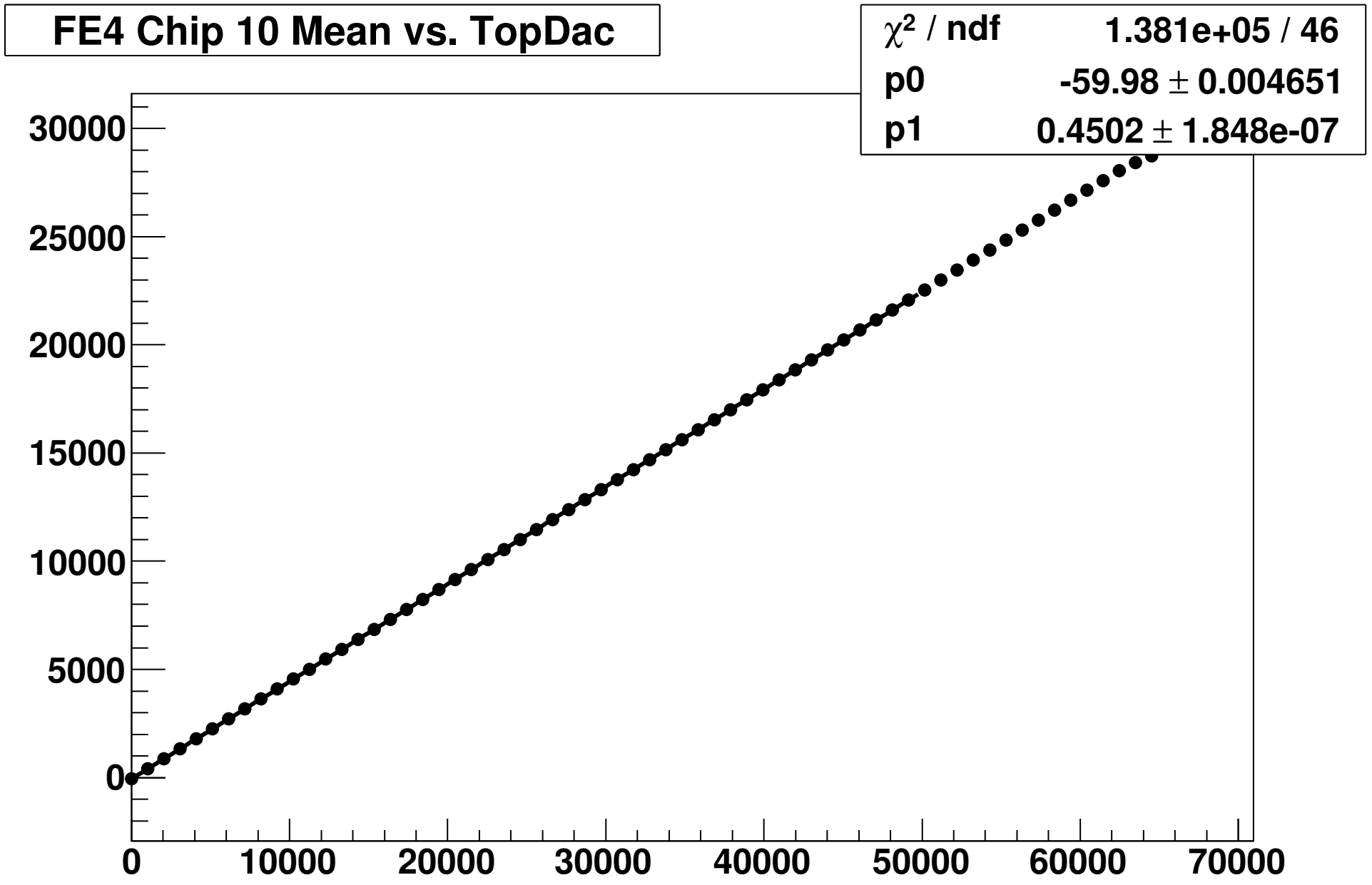
40000
50000
60000
70000


FE4 Chip 10 Rms vs. BotDac
χ² / ndf 50.62 / 46
p0 1.49 ± 0.001605
p1 2.633e-15 ± 1.796e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Mean vs. TopDac
χ² / ndf 1.381e+05 / 46
p0 -59.98 ± 0.004651
p1 0.4502 ± 1.848e-07
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15000
10000
5000
0
0
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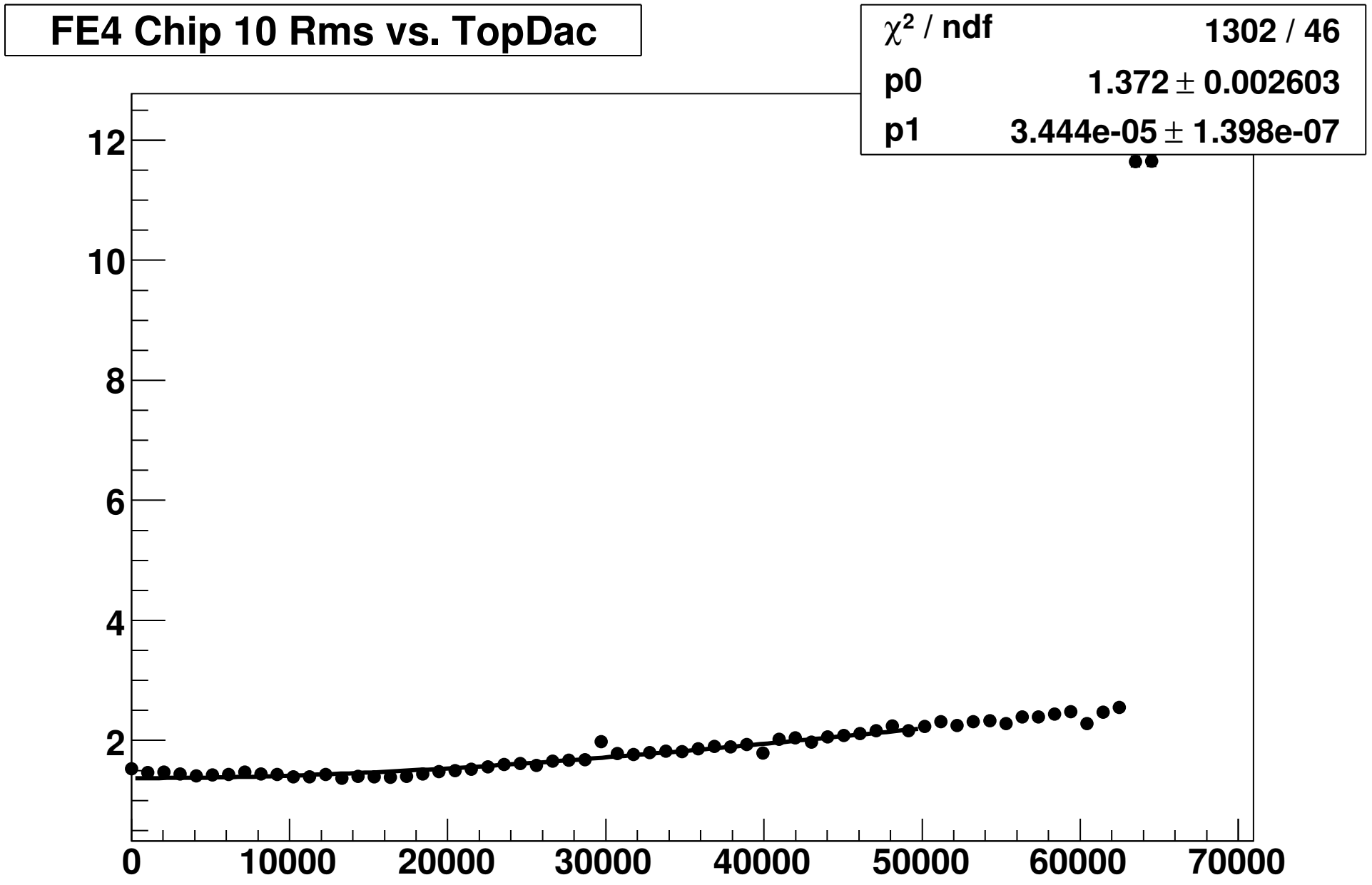
20000
30000
40000
50000
60000
70000


FE4 Chip 10 Rms vs. TopDac
χ² / ndf 1302 / 46
p0 1.372 ± 0.002603
p1 3.444e-05 ± 1.398e-07
12
10
8
6
4
2
0
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20000
30000
40000
50000
60000
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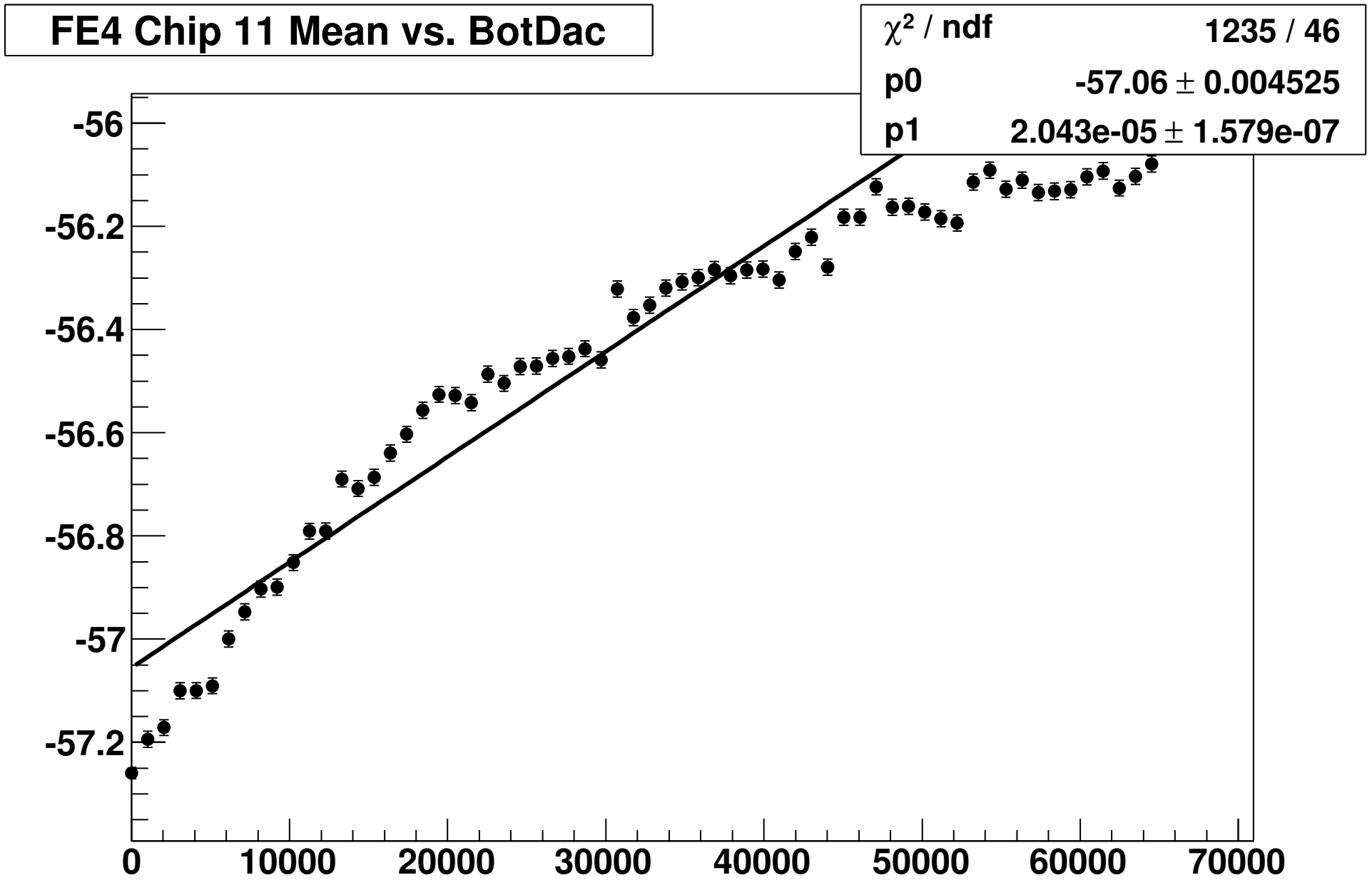
FE4 Chip 11 Mean vs. BotDac
χ² / ndf 1235 / 46
p0 -57.06 ± 0.004525
p1 2.043e-05 ± 1.579e-07
-56
-56.2
-56.4
-56.6
-56.8
-57
-57.2
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50000
60000
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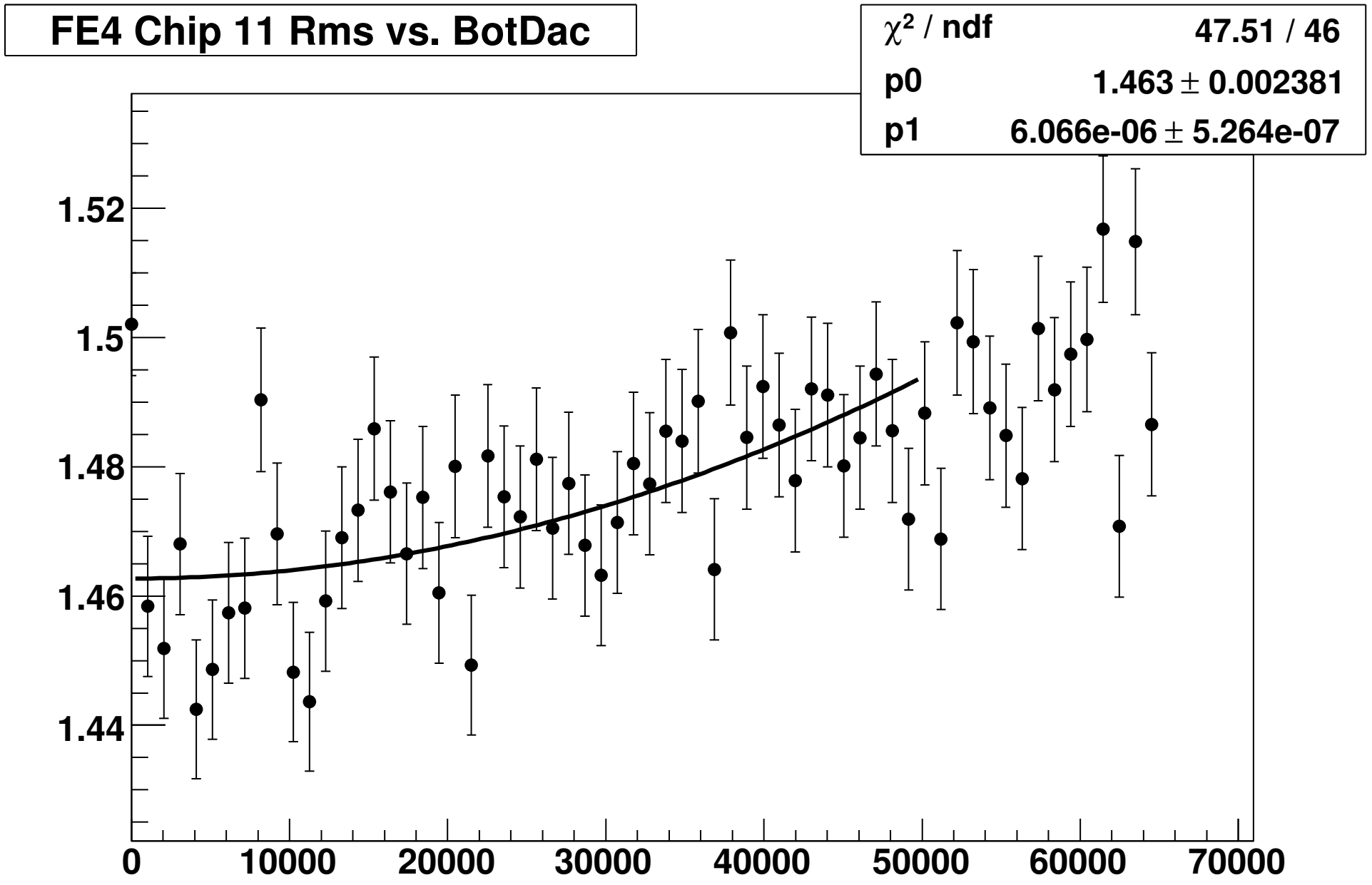
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 47.51 / 46
p0 1.463 ± 0.002381
p1 6.066e-06 ± 5.264e-07
1.52
1.5
1.48
1.46
1.44
0
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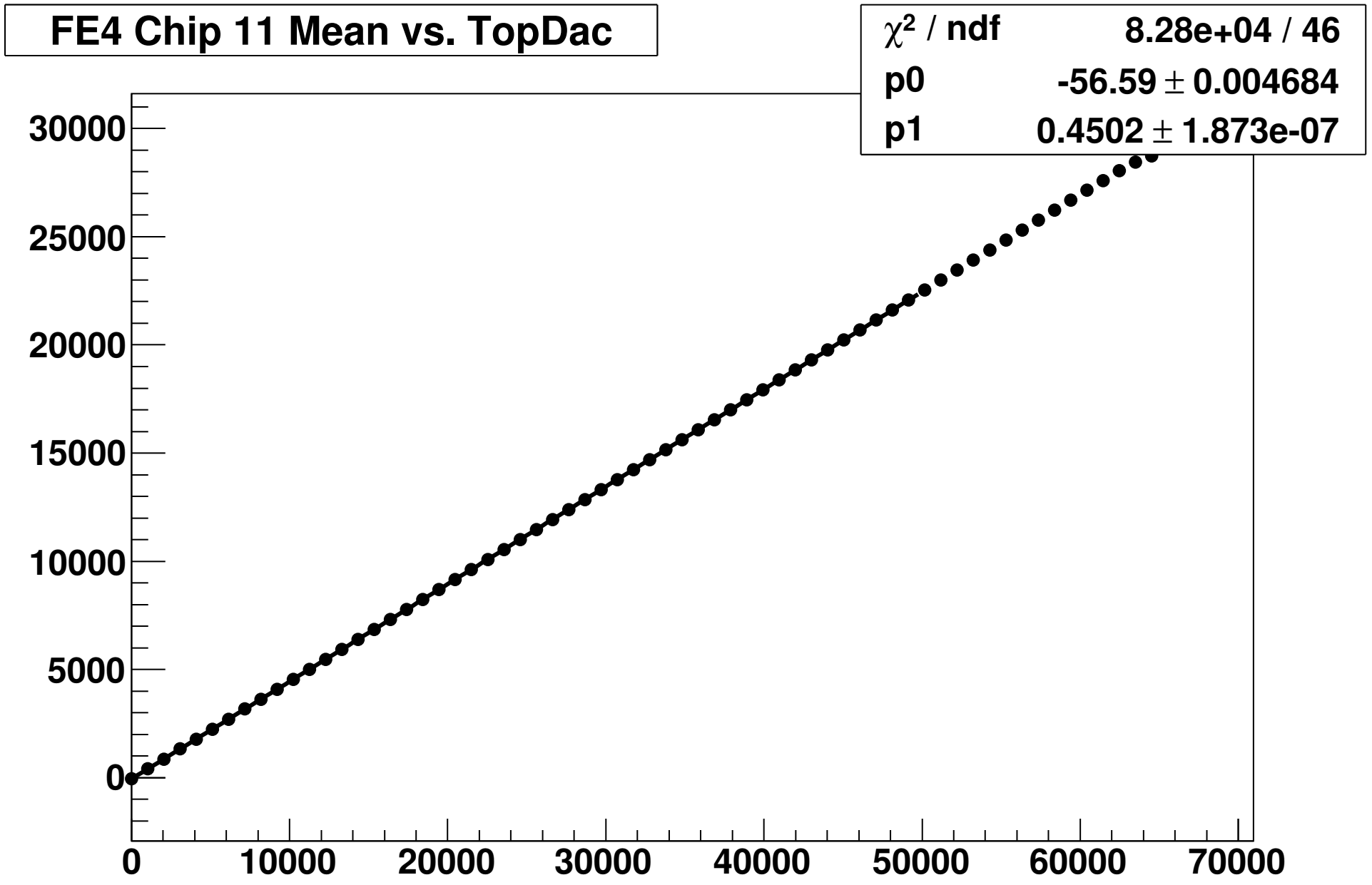
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. TopDac
χ² / ndf 8.28e+04 / 46
p0 -56.59 ± 0.004684
p1 0.4502 ± 1.873e-07
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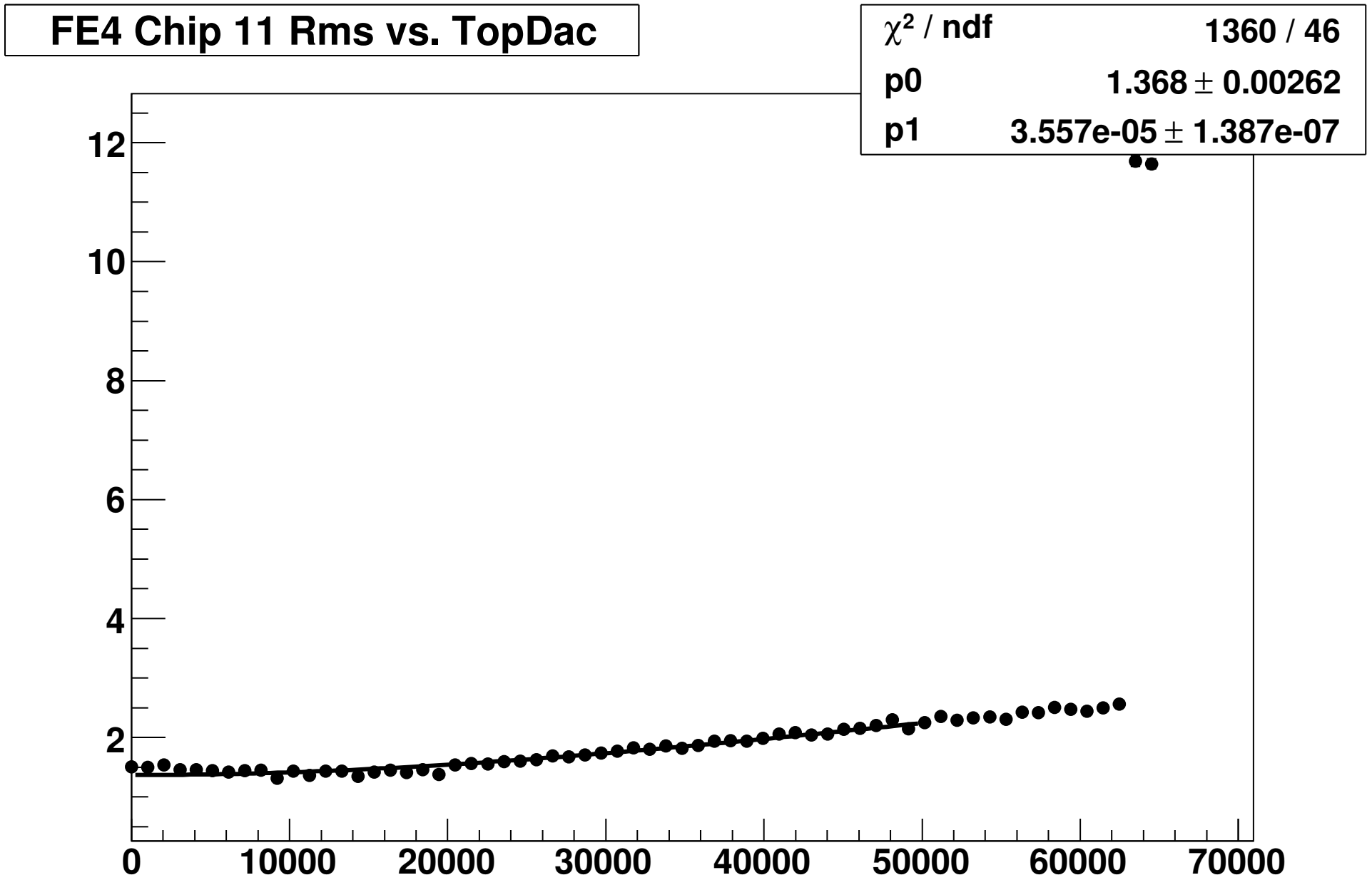
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1360 / 46
p0 1.368 ± 0.00262
p1 3.557e-05 ± 1.387e-07
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10
8
6
4
2
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20000
30000
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50000
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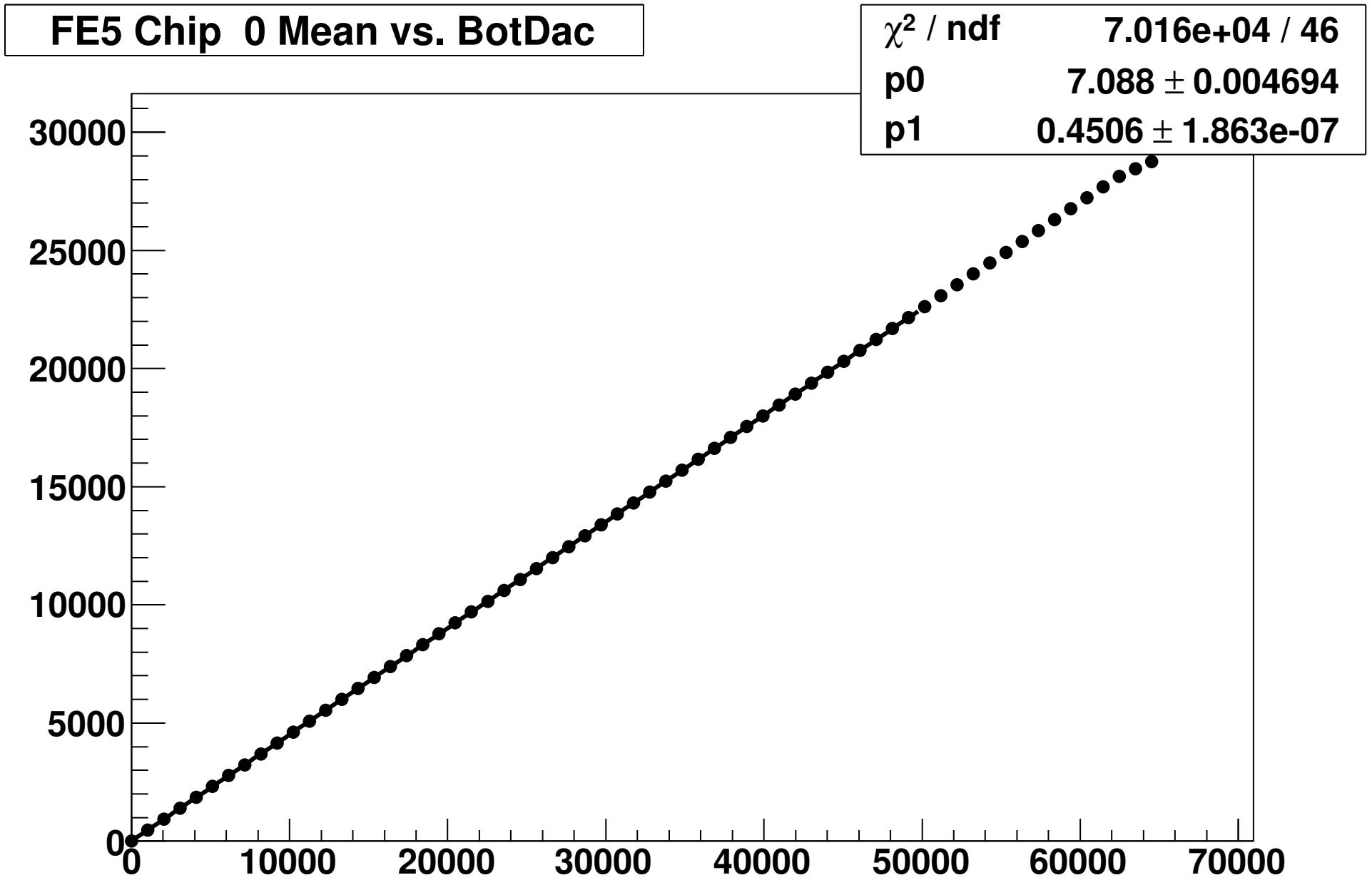
FE5 Chip 0 Mean vs. BotDac
χ² / ndf 7.016e+04 / 46
p0 7.088 ± 0.004694
p1 0.4506 ± 1.863e-07
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20000
15000
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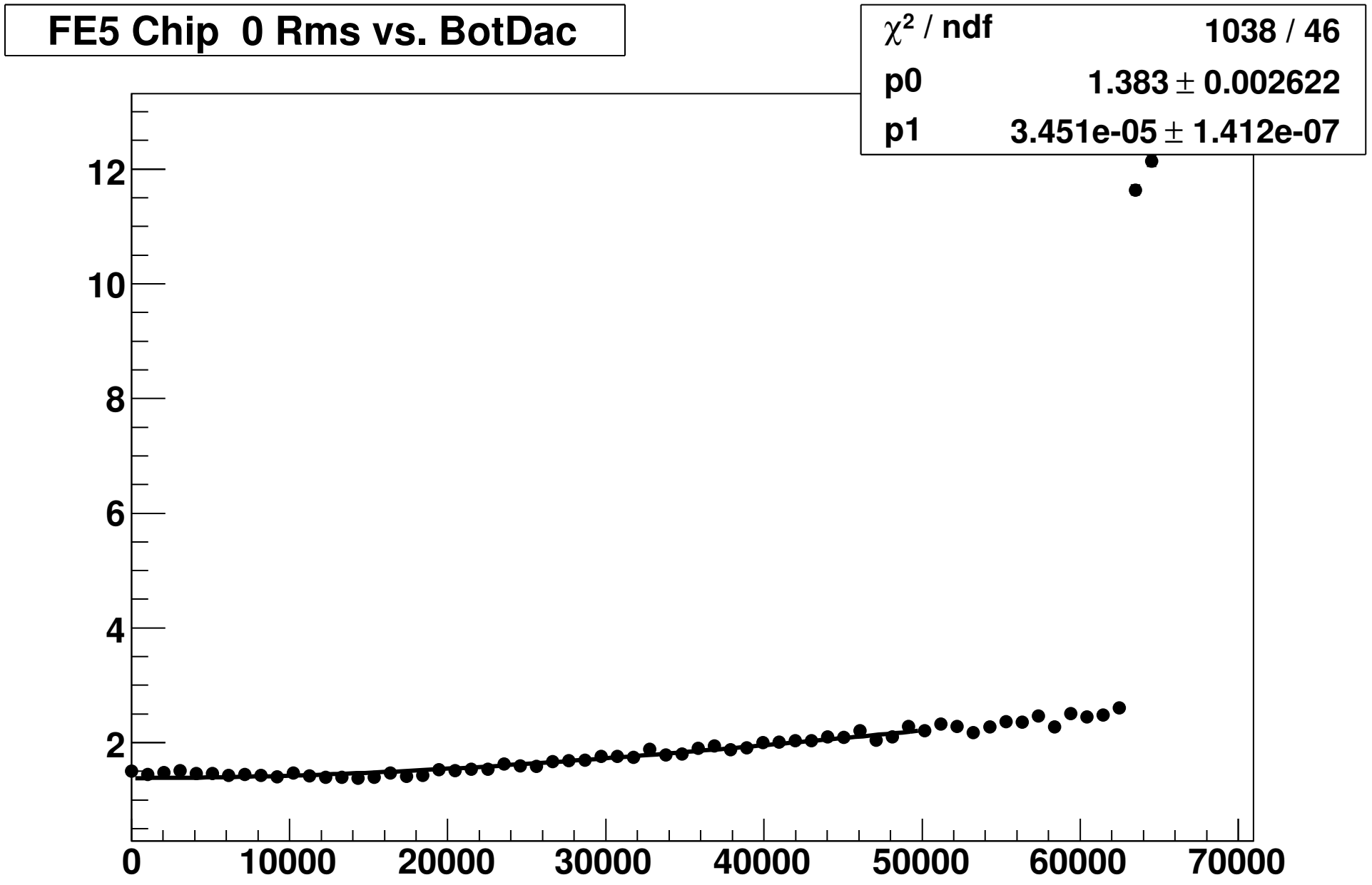
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1038 / 46
p0 1.383 ± 0.002622
p1 3.451e-05 ± 1.412e-07
12
10
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6
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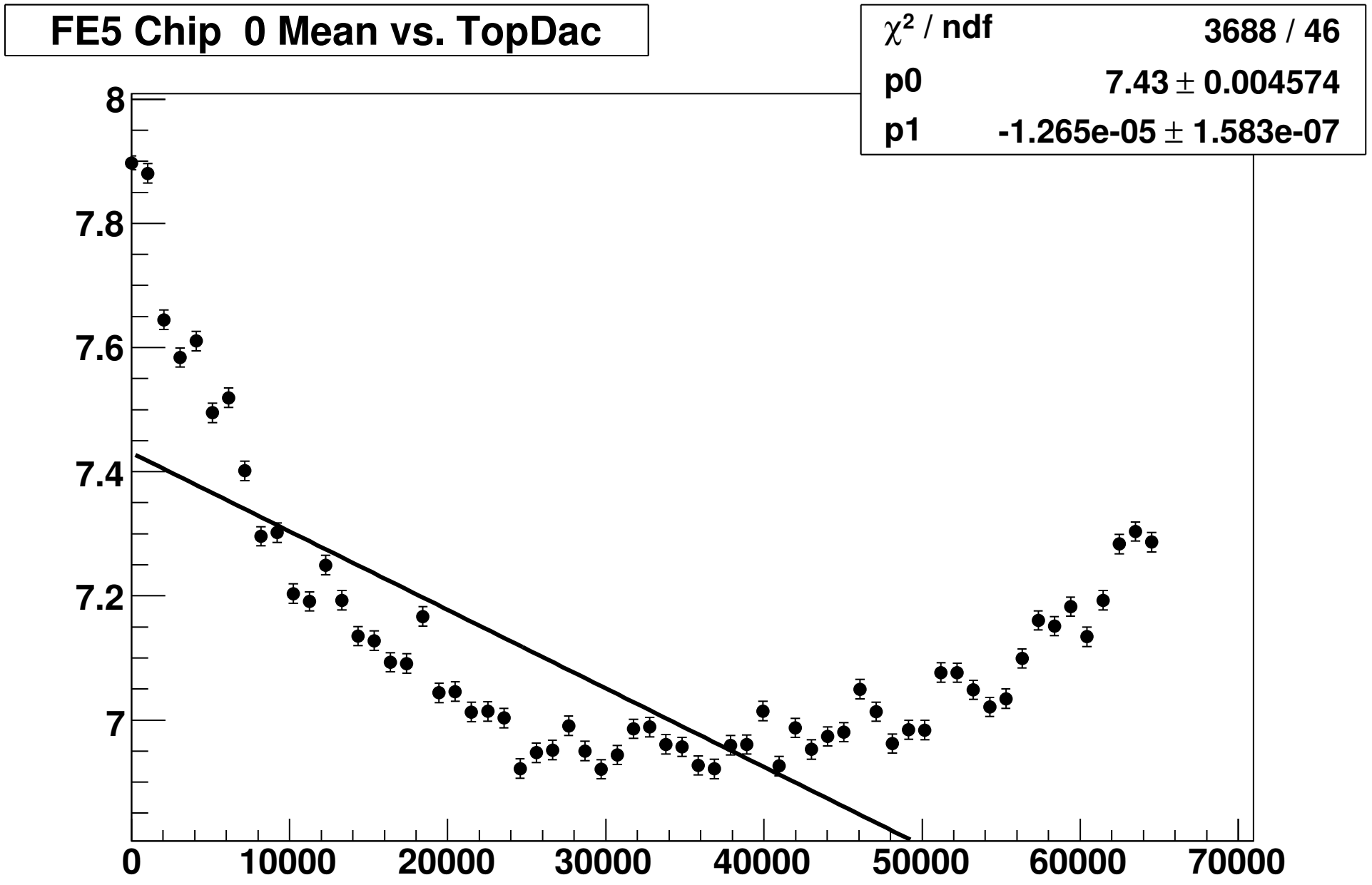
FE5 Chip 0 Mean vs. TopDac
χ² / ndf 3688 / 46
p0 7.43 ± 0.004574
p1 -1.265e-05 ± 1.583e-07
8
7.8
7.6
7.4
7.2
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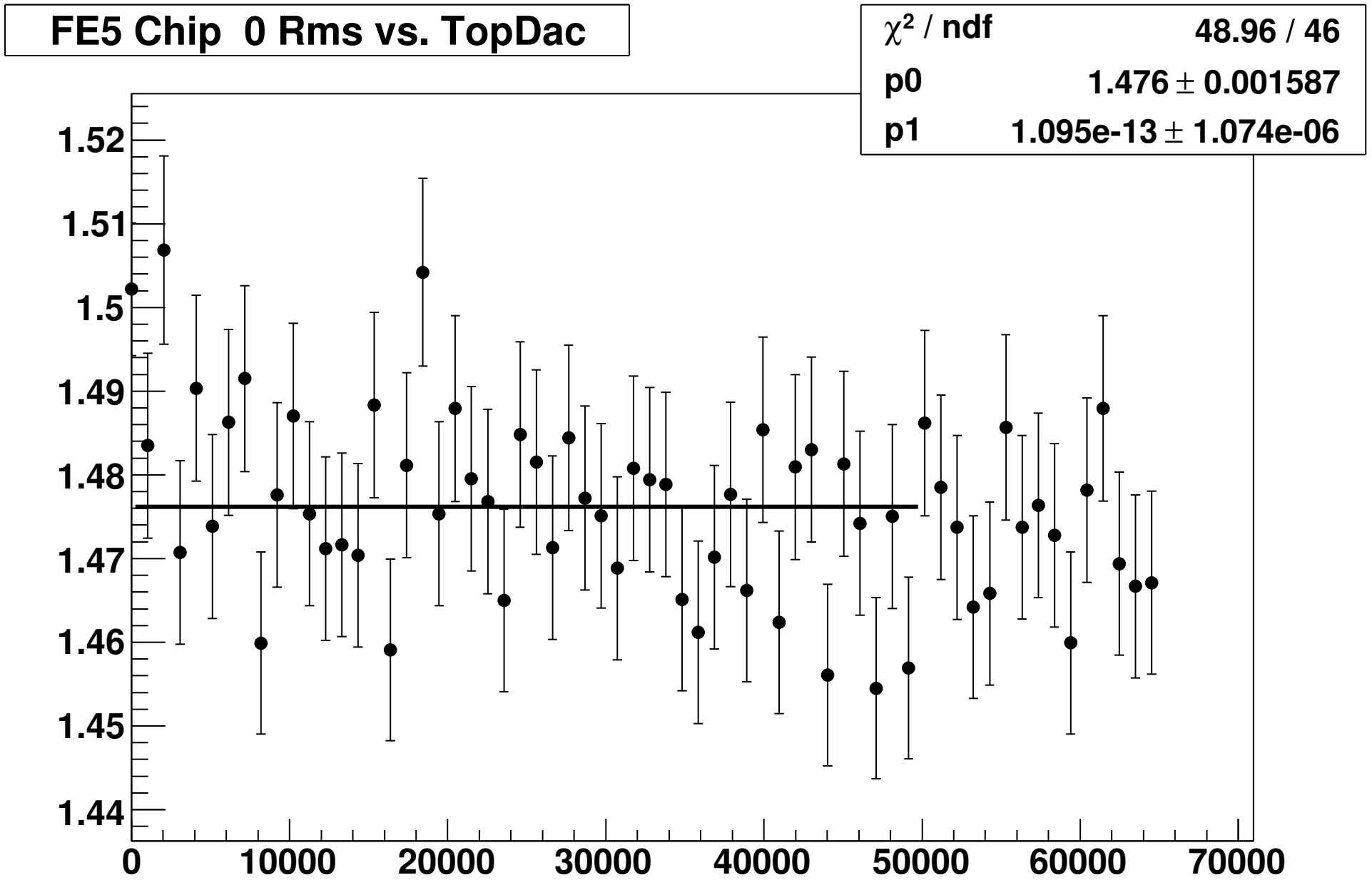
FE5 Chip 0 Rms vs. TopDac
χ² / ndf 48.96 / 46
p0 1.476 ± 0.001587
p1 1.095e-13 ± 1.074e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
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50000
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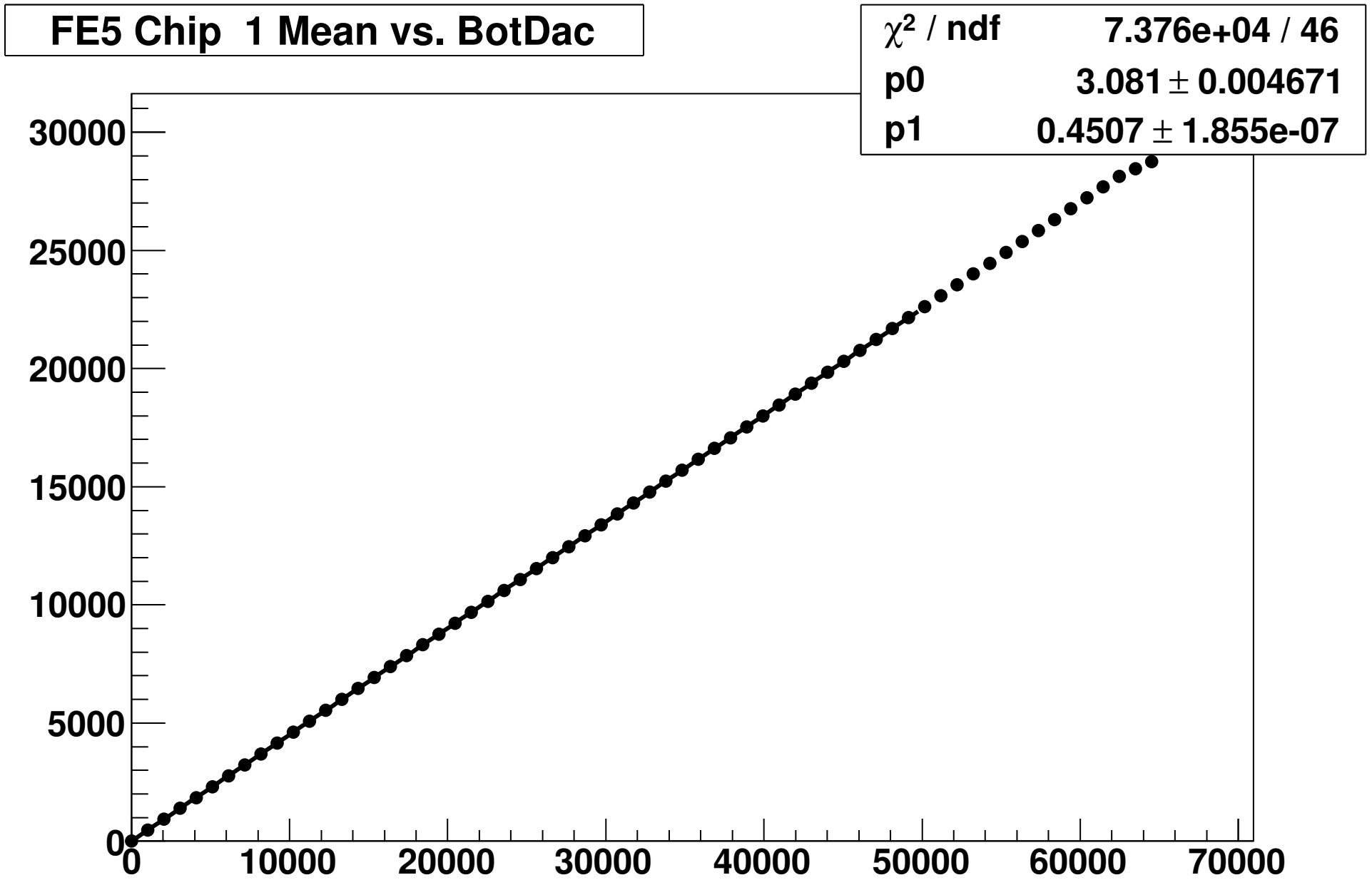
70000


FE5 Chip 1 Mean vs. BotDac
χ² / ndf 7.376e+04 / 46
p0 3.081 ± 0.004671
p1 0.4507 ± 1.855e-07
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20000
15000
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5000
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10000
20000
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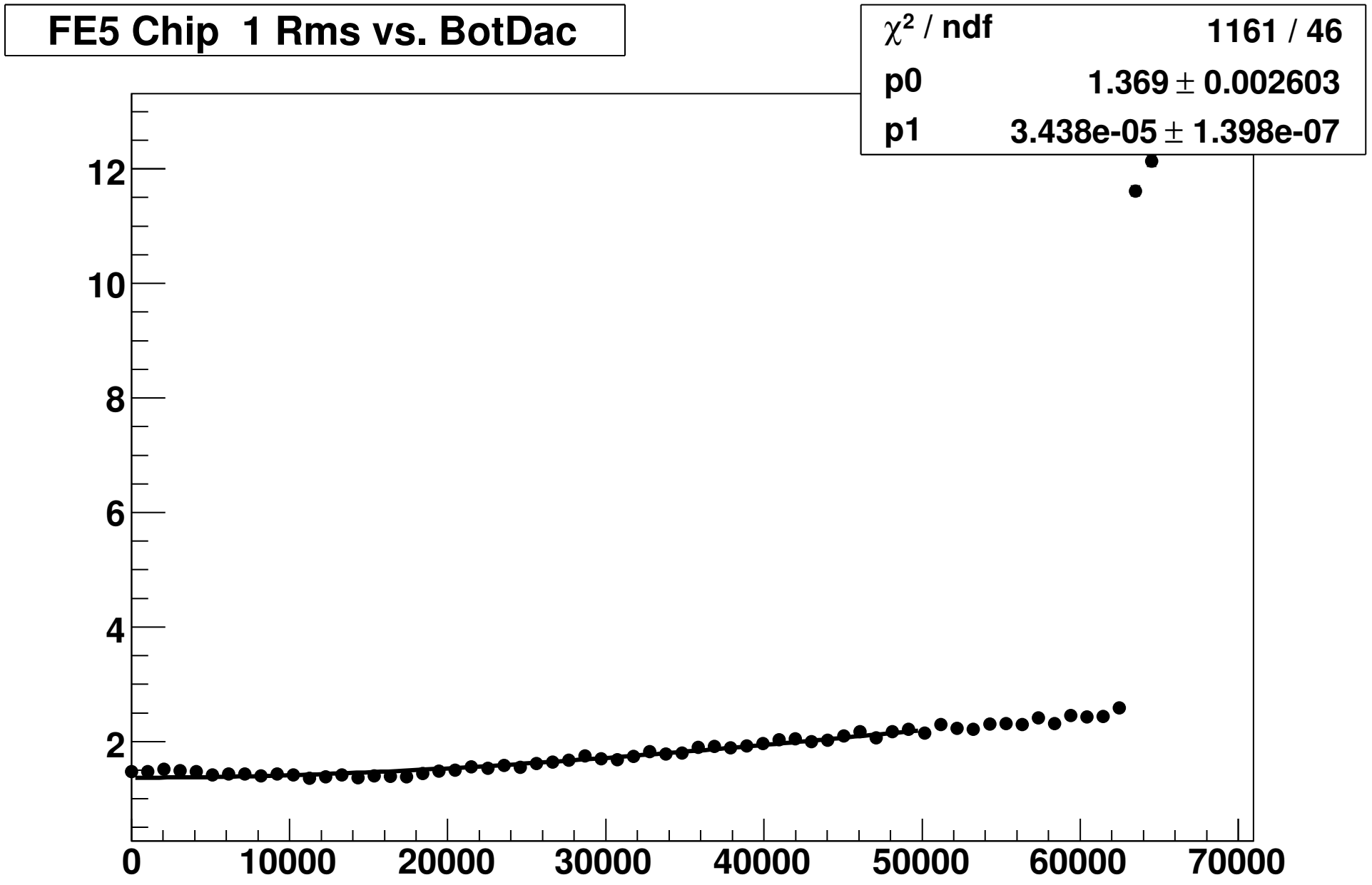
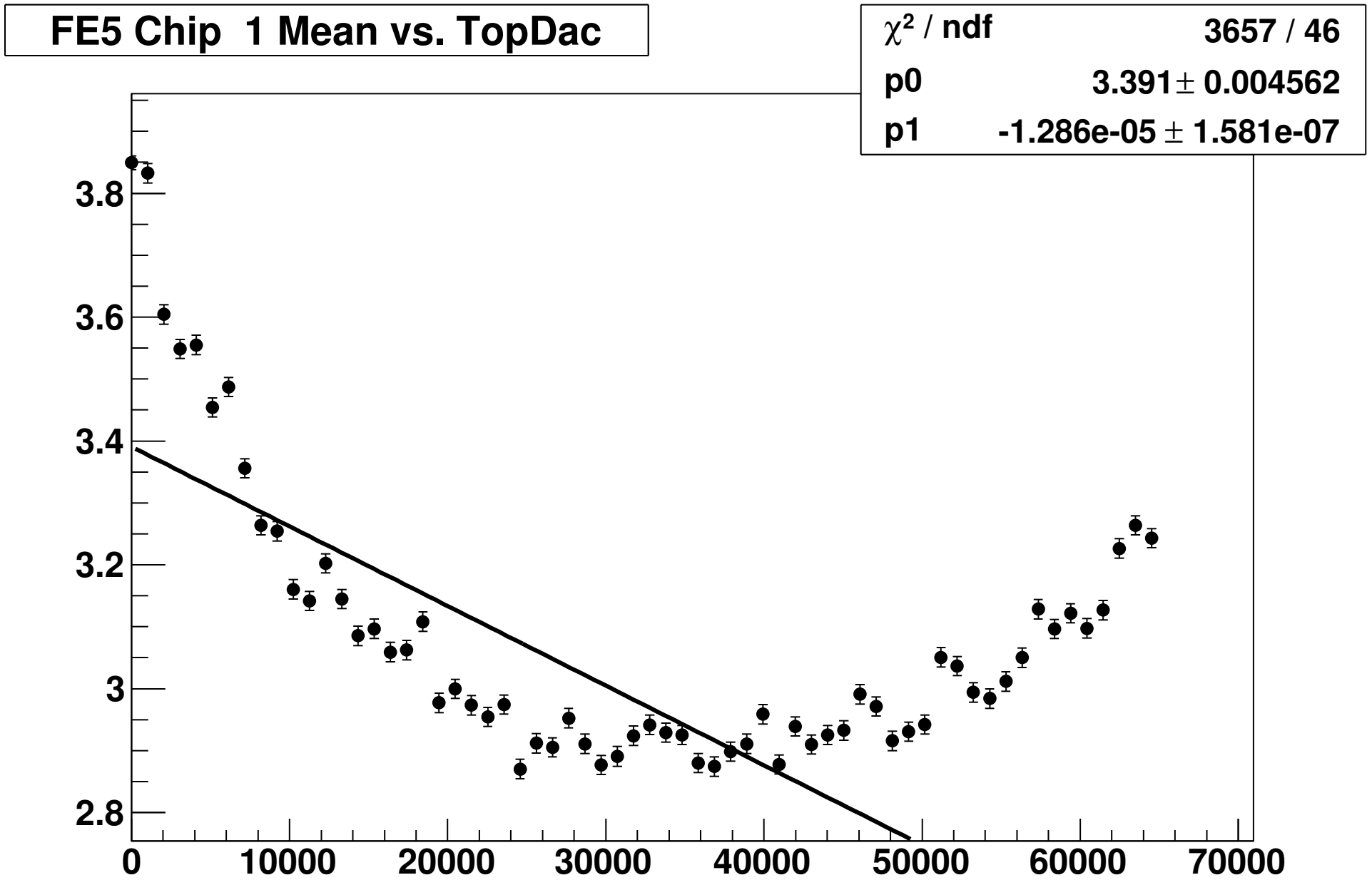
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 1161 / 46
p0 1.369 ± 0.002603
p1 3.438e-05 ± 1.398e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 3657 / 46
p0 3.391 ± 0.004562
p1 -1.286e-05 ± 1.581e-07
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3.6
3.4
3.2
3
2.8
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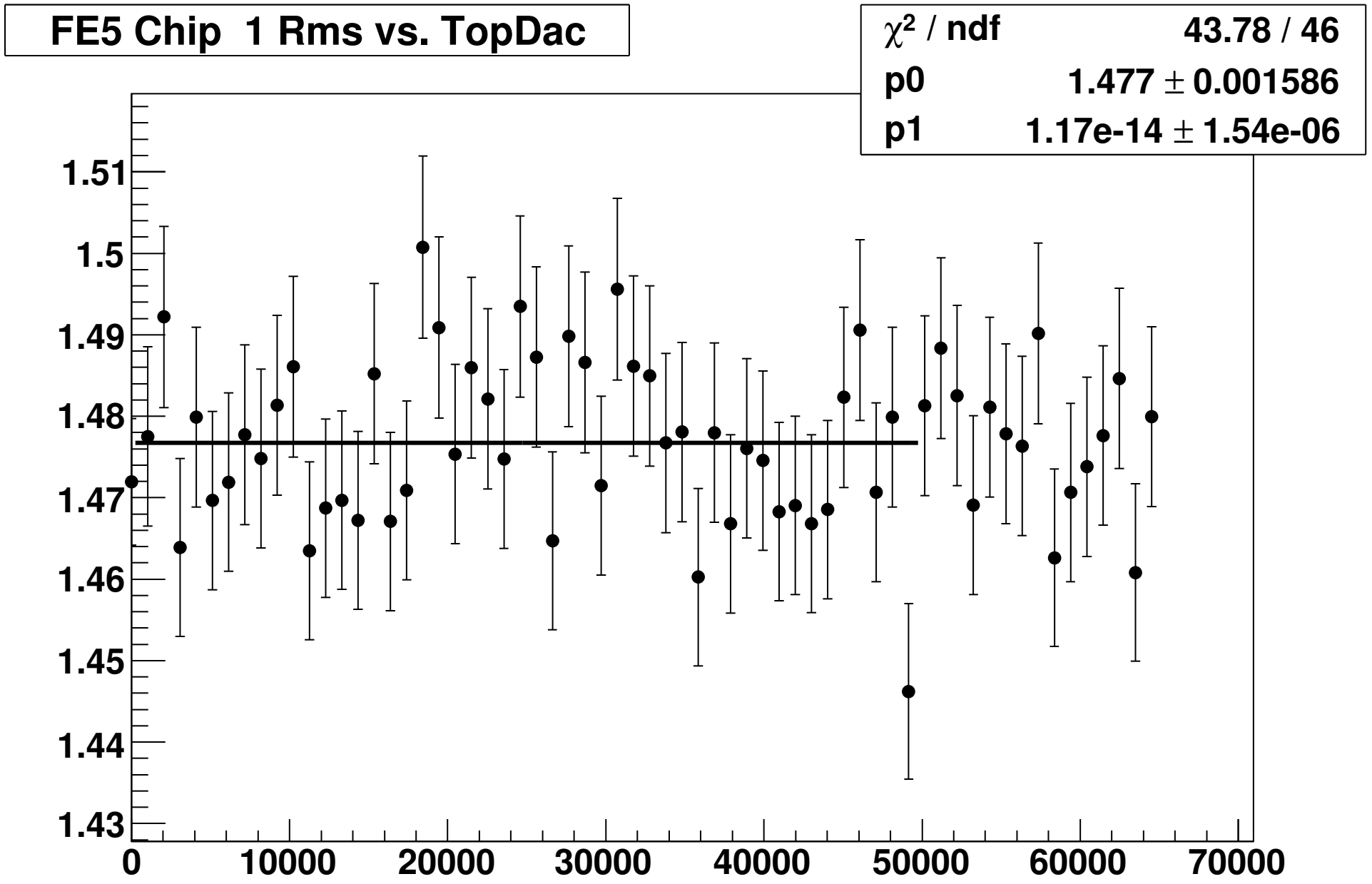
FE5 Chip 1 Rms vs. TopDac
χ² / ndf 43.78 / 46
p0 1.477 ± 0.001586
p1 1.17e-14 ± 1.54e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
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20000
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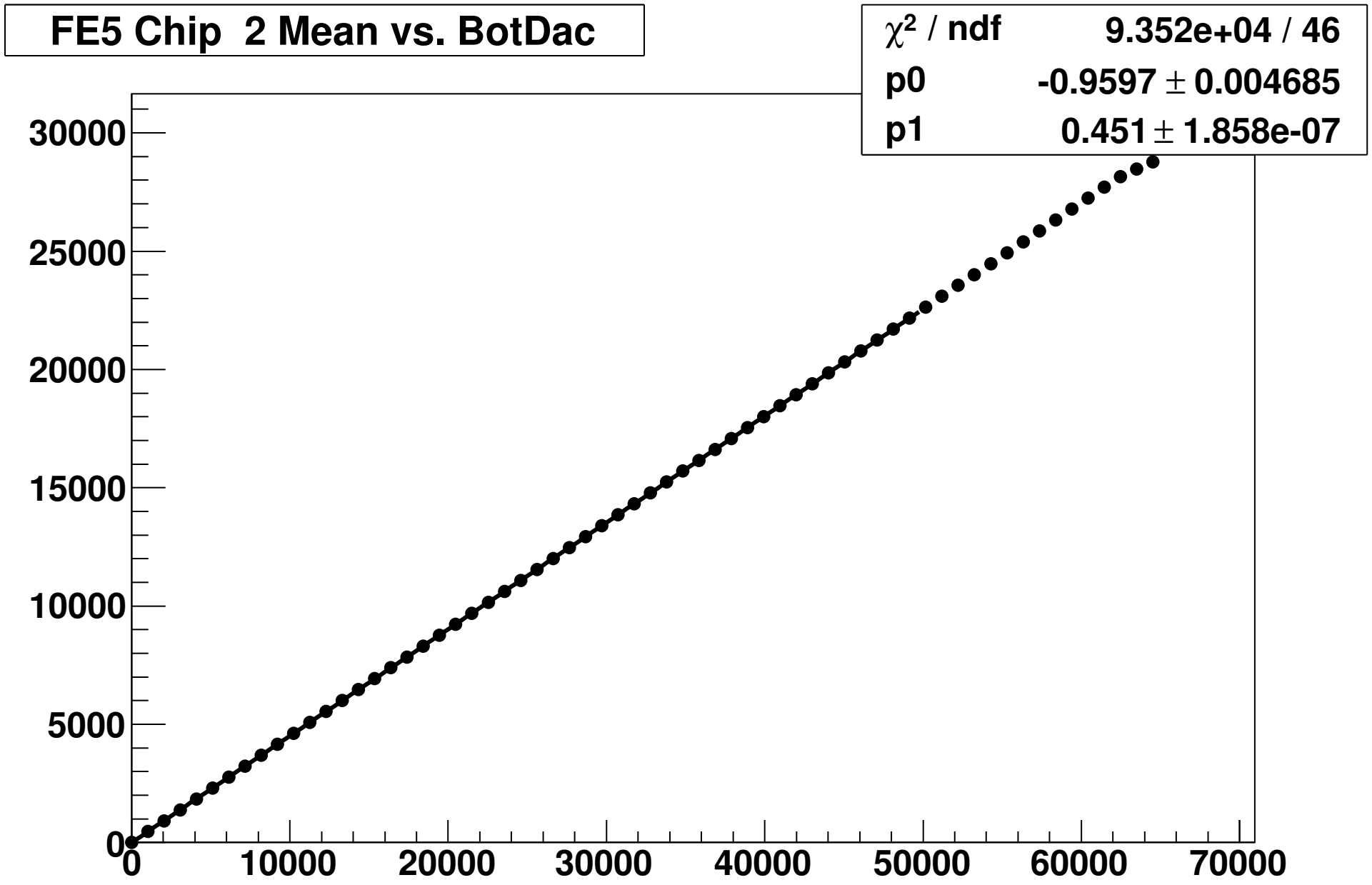
FE5 Chip 2 Mean vs. BotDac
χ² / ndf 9.352e+04 / 46
p0 -0.9597 ± 0.004685
p1 0.451 ± 1.858e-07
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25000
20000
15000
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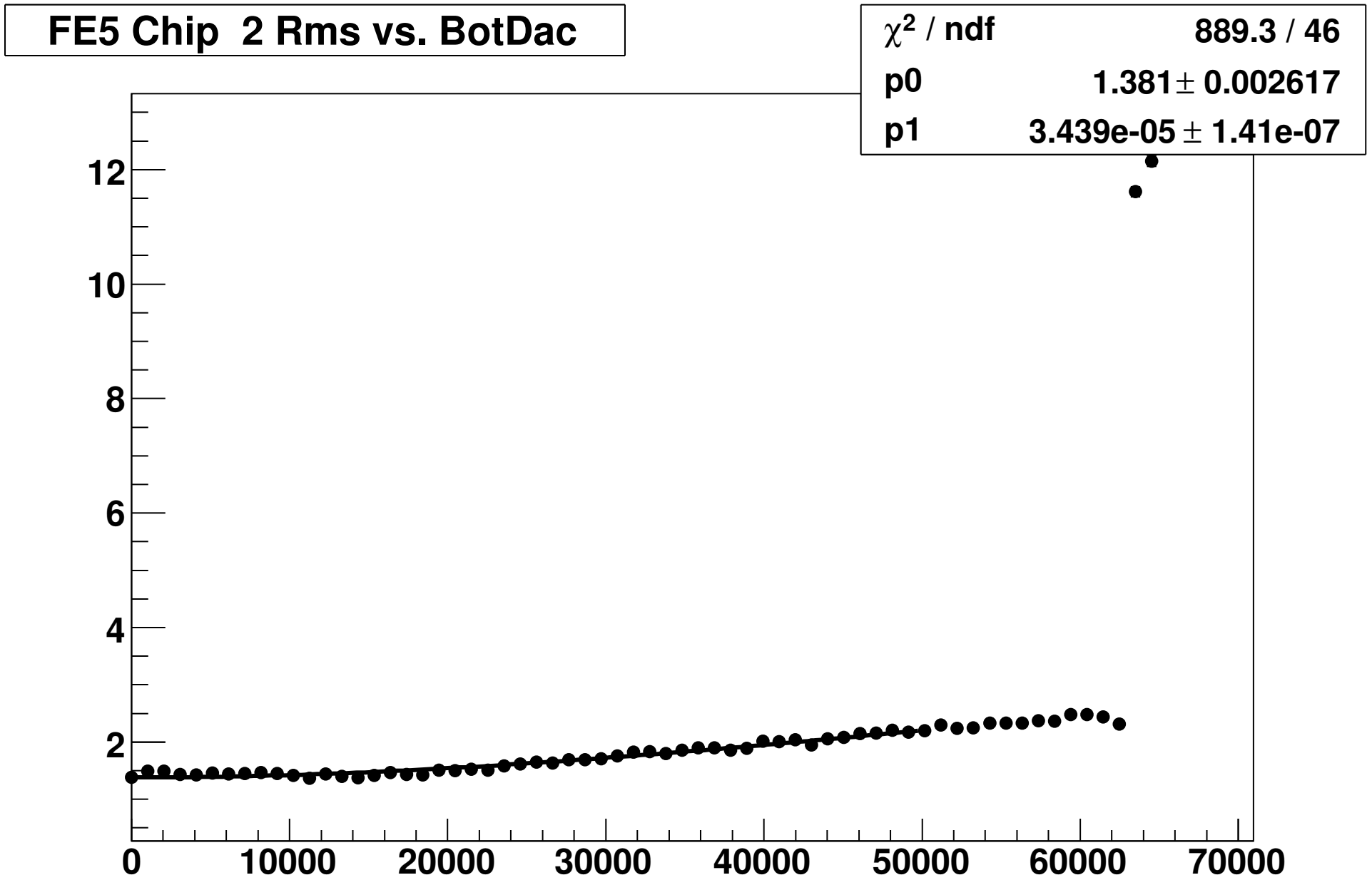
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 889.3 / 46
p0 1.381 ± 0.002617
p1 3.439e-05 ± 1.41e-07
12
10
8
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4
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20000
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50000
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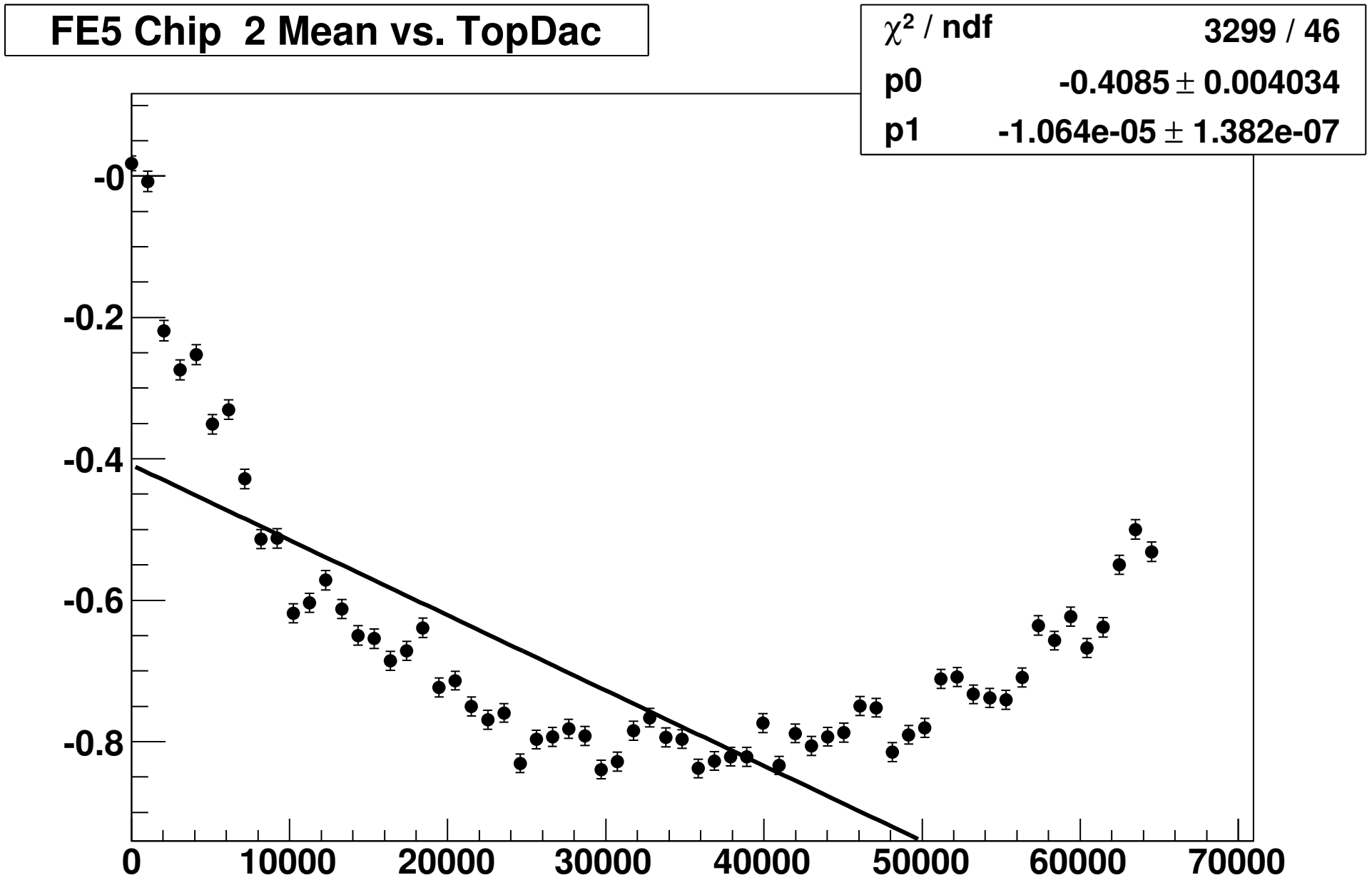
FE5 Chip 2 Mean vs. TopDac
χ² / ndf 3299 / 46
p0 -0.4085 ± 0.004034
p1 -1.064e-05 ± 1.382e-07
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-0.2
-0.4
-0.6
-0.8
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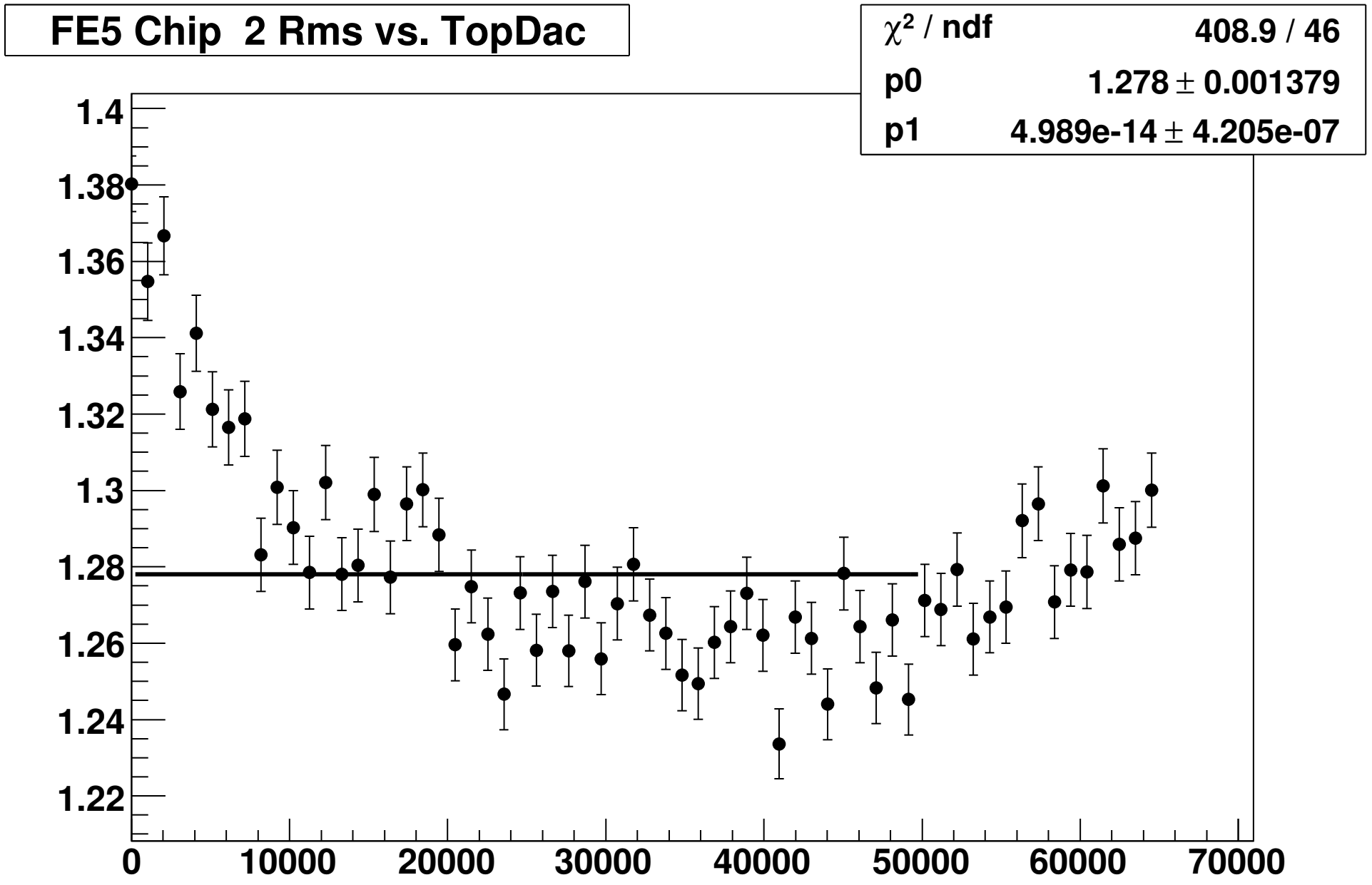
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 408.9 / 46
p0 1.278 ± 0.001379
p1 4.989e-14 ± 4.205e-07
1.4
1.38
1.36
1.34
1.32
1.3
1.28
1.26
1.24
1.22
0
10000
20000
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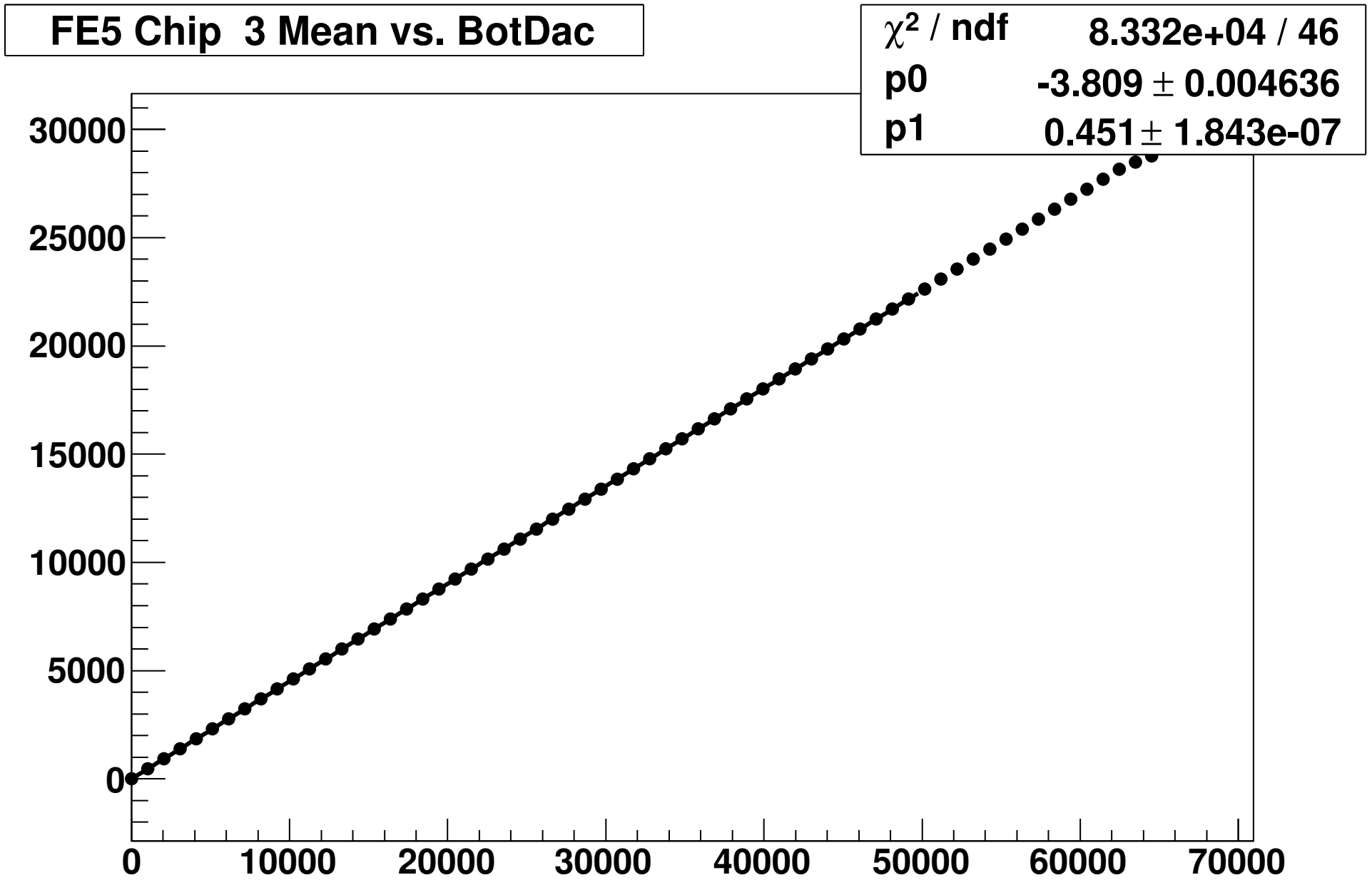
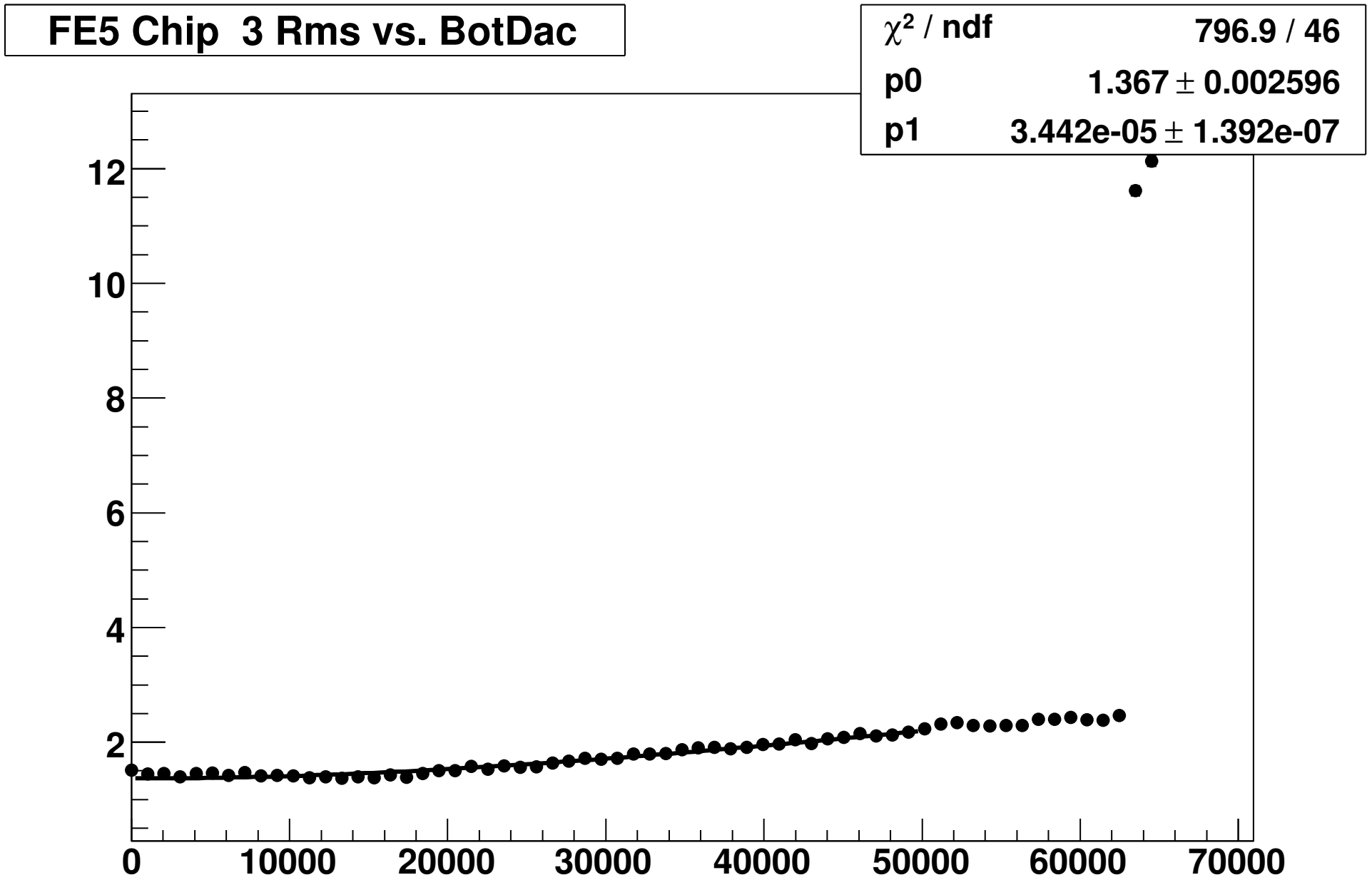
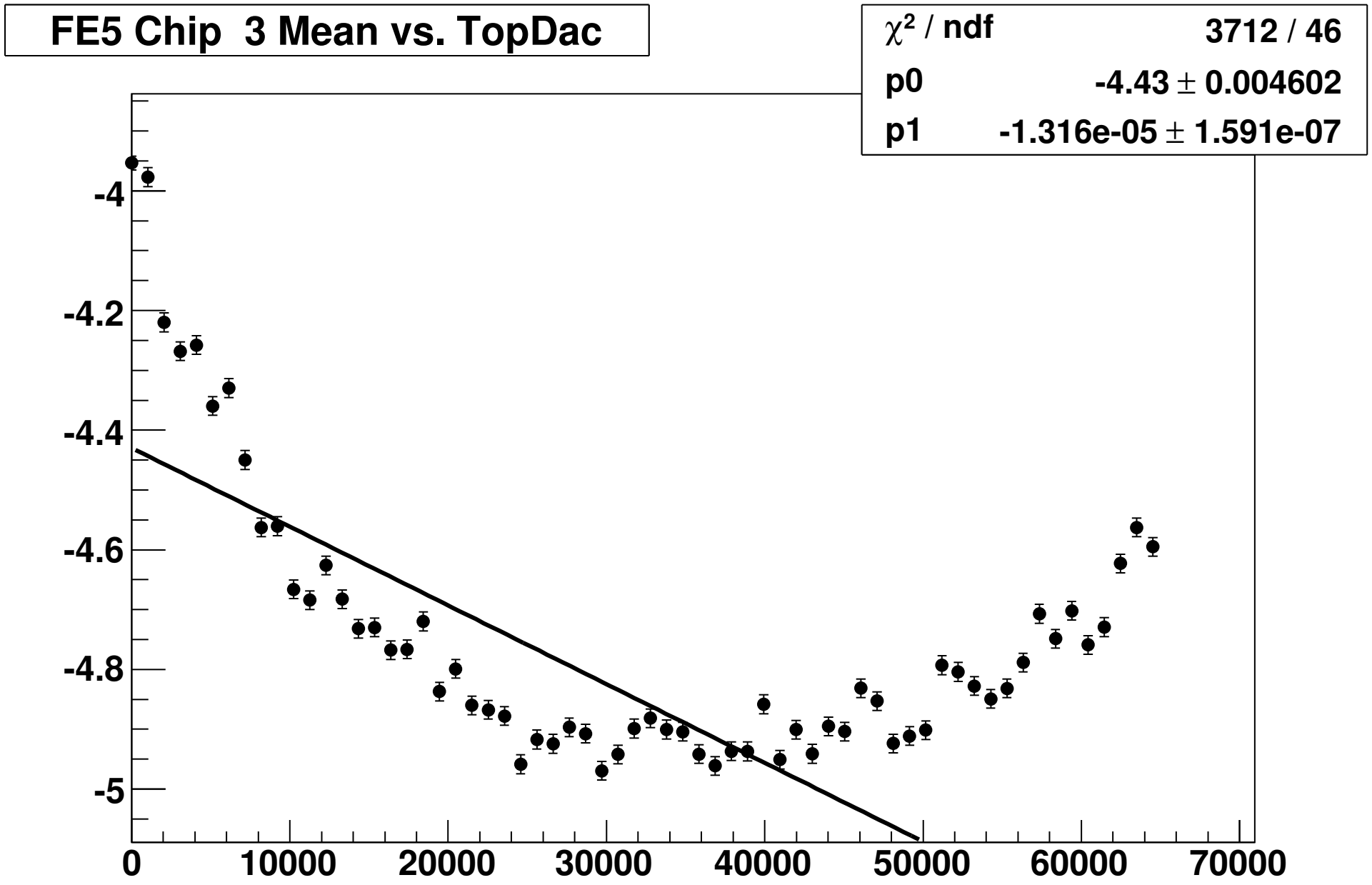

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 8.332e+04 / 46
p0 -3.809 ± 0.004636
p1 0.451 ± 1.843e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 796.9 / 46
p0 1.367 ± 0.002596
p1 3.442e-05 ± 1.392e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 3712 / 46
p0 -4.43 ± 0.004602
p1 -1.316e-05 ± 1.591e-07
-4
-4.2
-4.4
-4.6
-4.8
-5
0
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50000
60000
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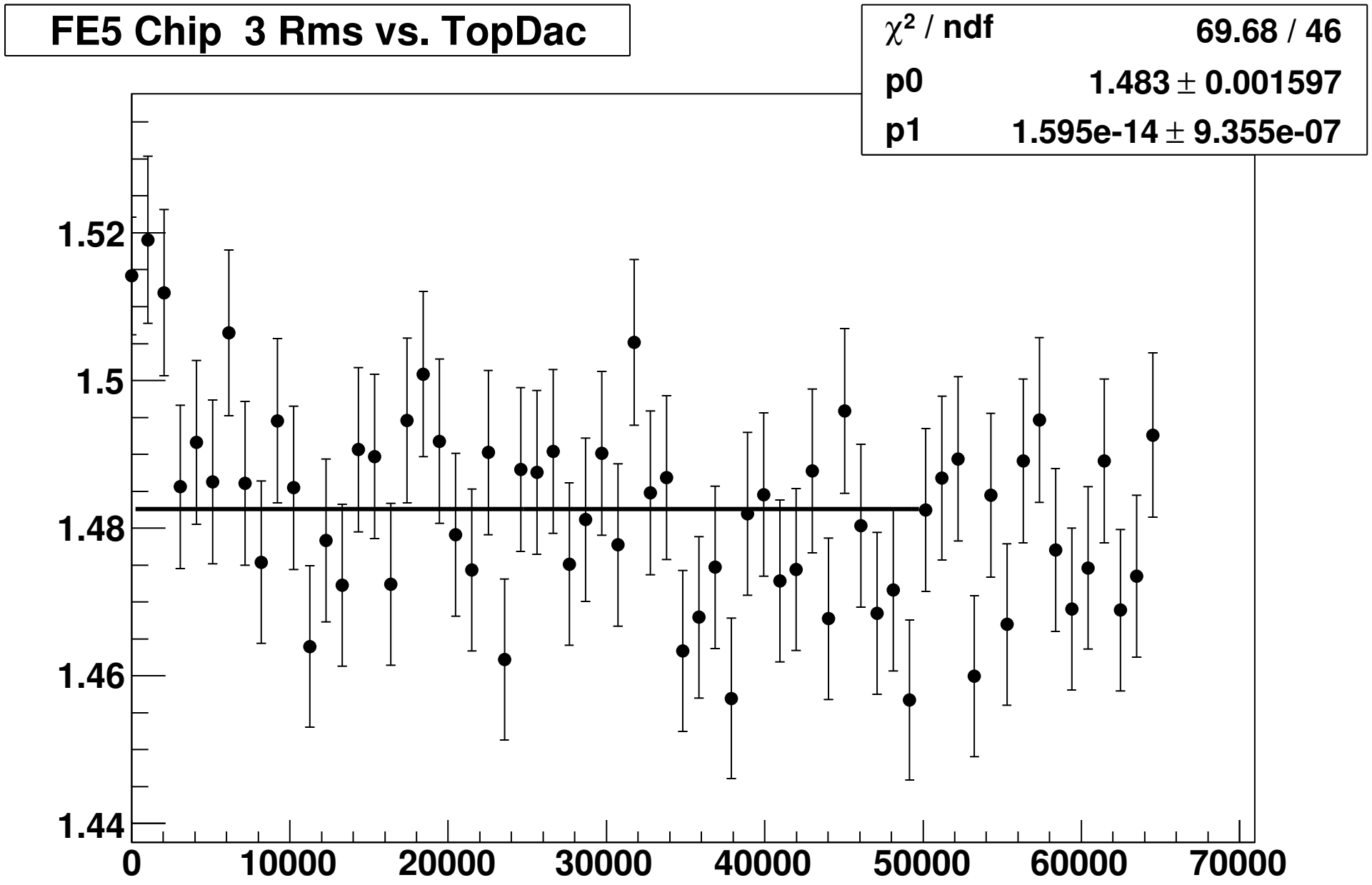
FE5 Chip 3 Rms vs. TopDac
χ² / ndf 69.68 / 46
p0 1.483 ± 0.001597
p1 1.595e-14 ± 9.355e-07
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
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50000
60000
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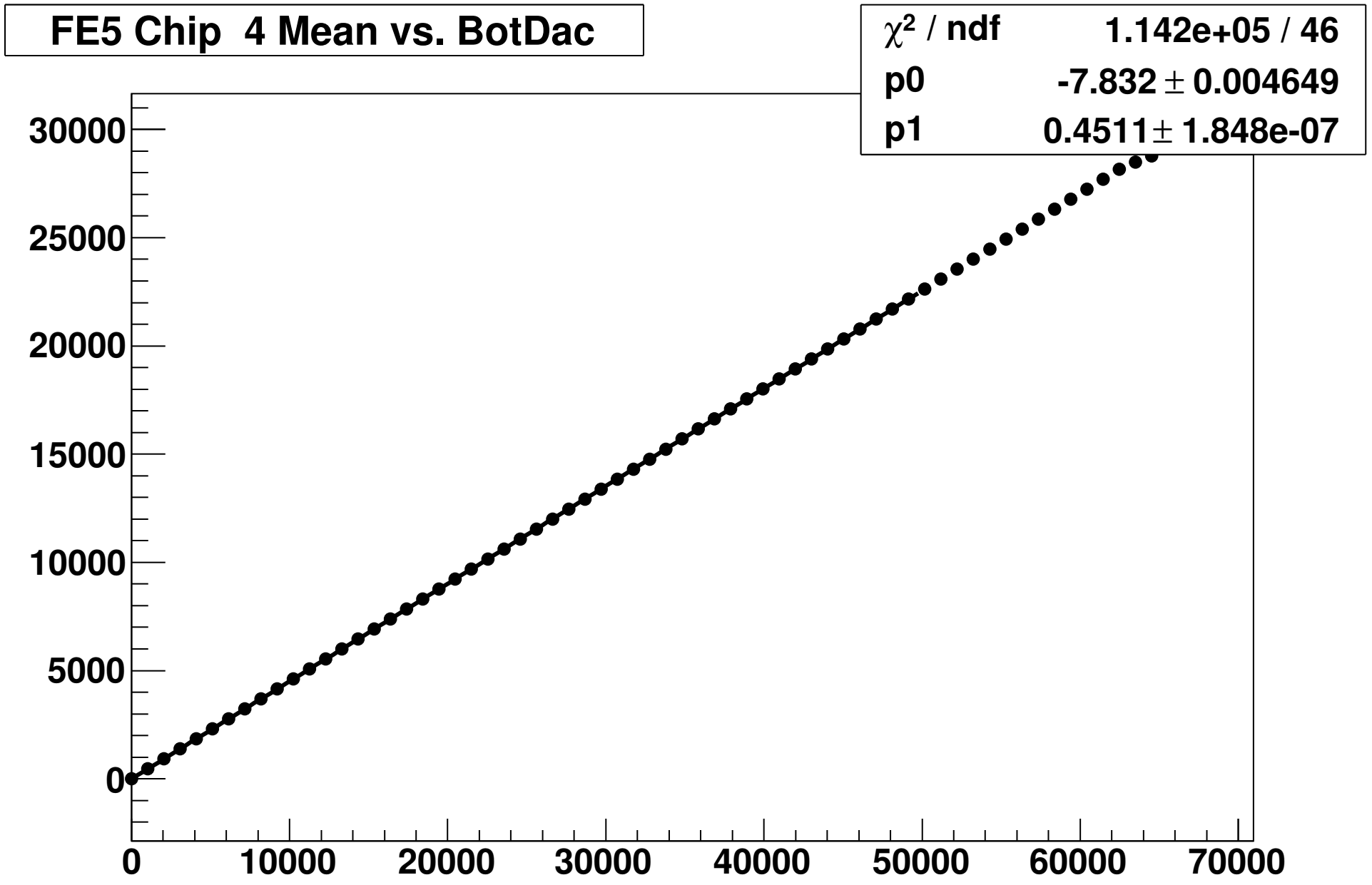
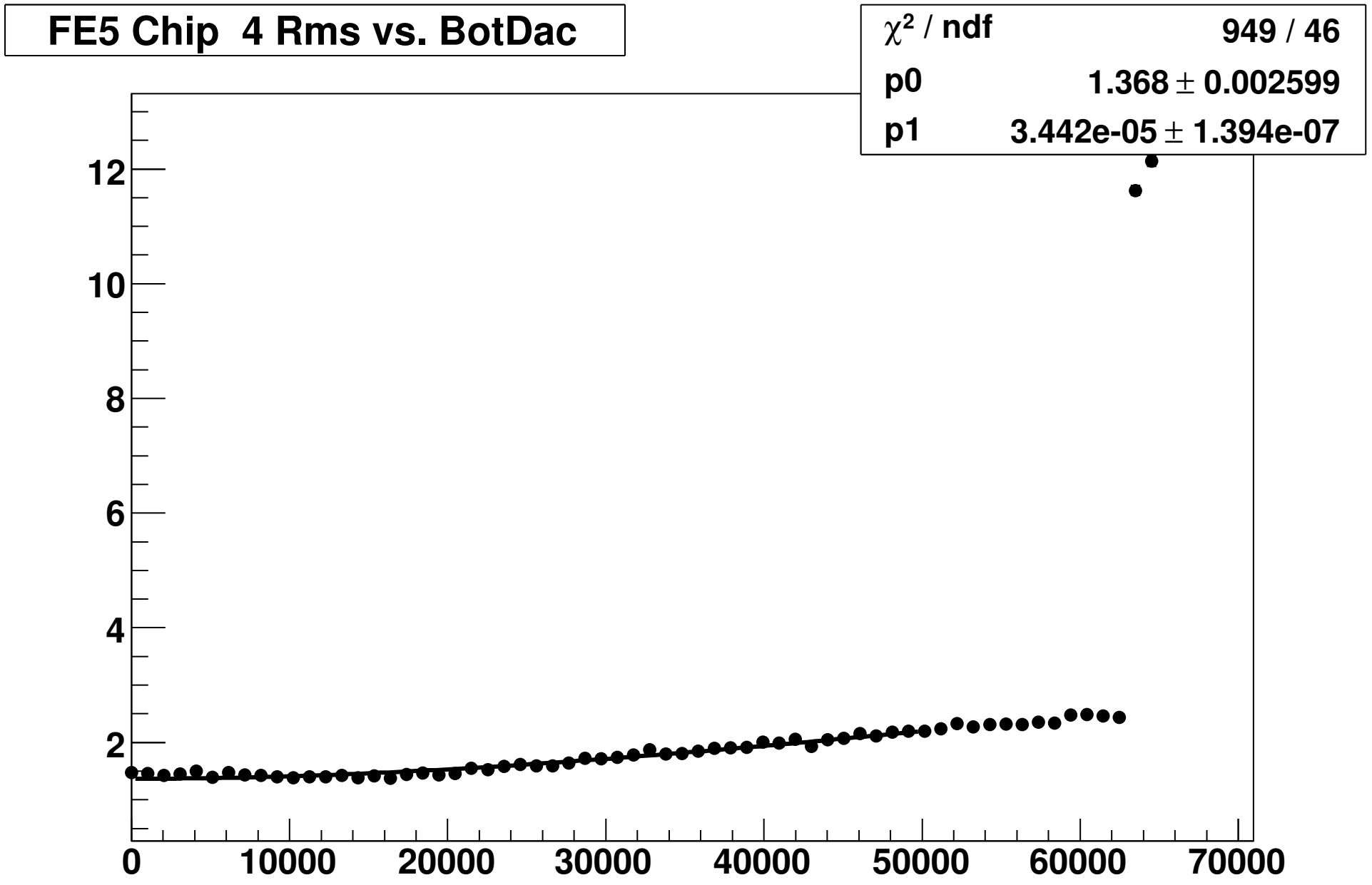
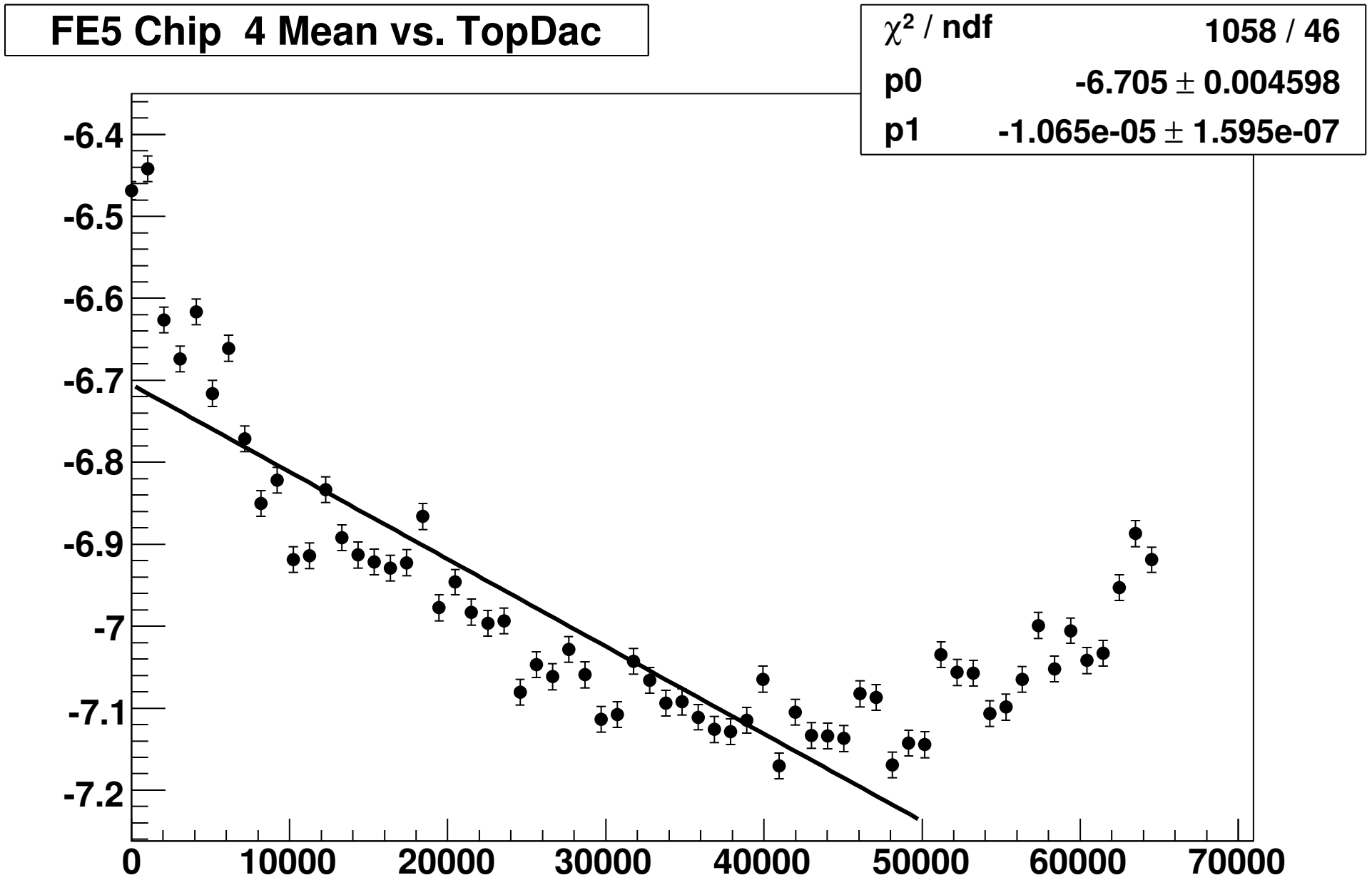

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 1.142e+05 / 46
p0 -7.832 ± 0.004649
p1 0.4511 ± 1.848e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Rms vs. BotDac
χ² / ndf 949 / 46
p0 1.368 ± 0.002599
p1 3.442e-05 ± 1.394e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 4 Mean vs. TopDac
χ² / ndf 1058 / 46
p0 -6.705 ± 0.004598
p1 -1.065e-05 ± 1.595e-07
-6.4
-6.5
-6.6
-6.7
-6.8
-6.9
-7
-7.1
-7.2
0
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30000
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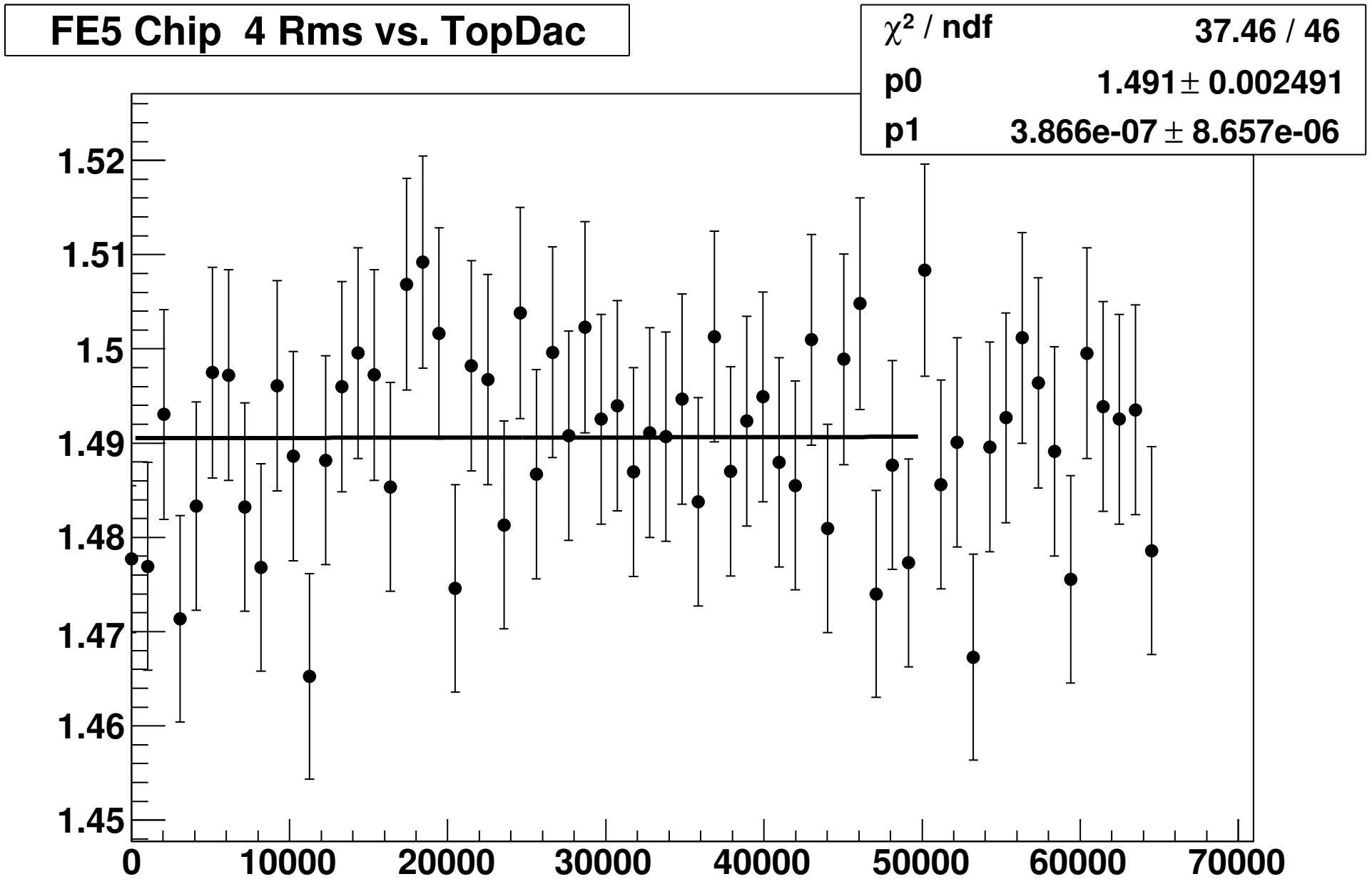
FE5 Chip 4 Rms vs. TopDac
χ² / ndf 37.46 / 46
p0 1.491 ± 0.002491
p1 3.866e-07 ± 8.657e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
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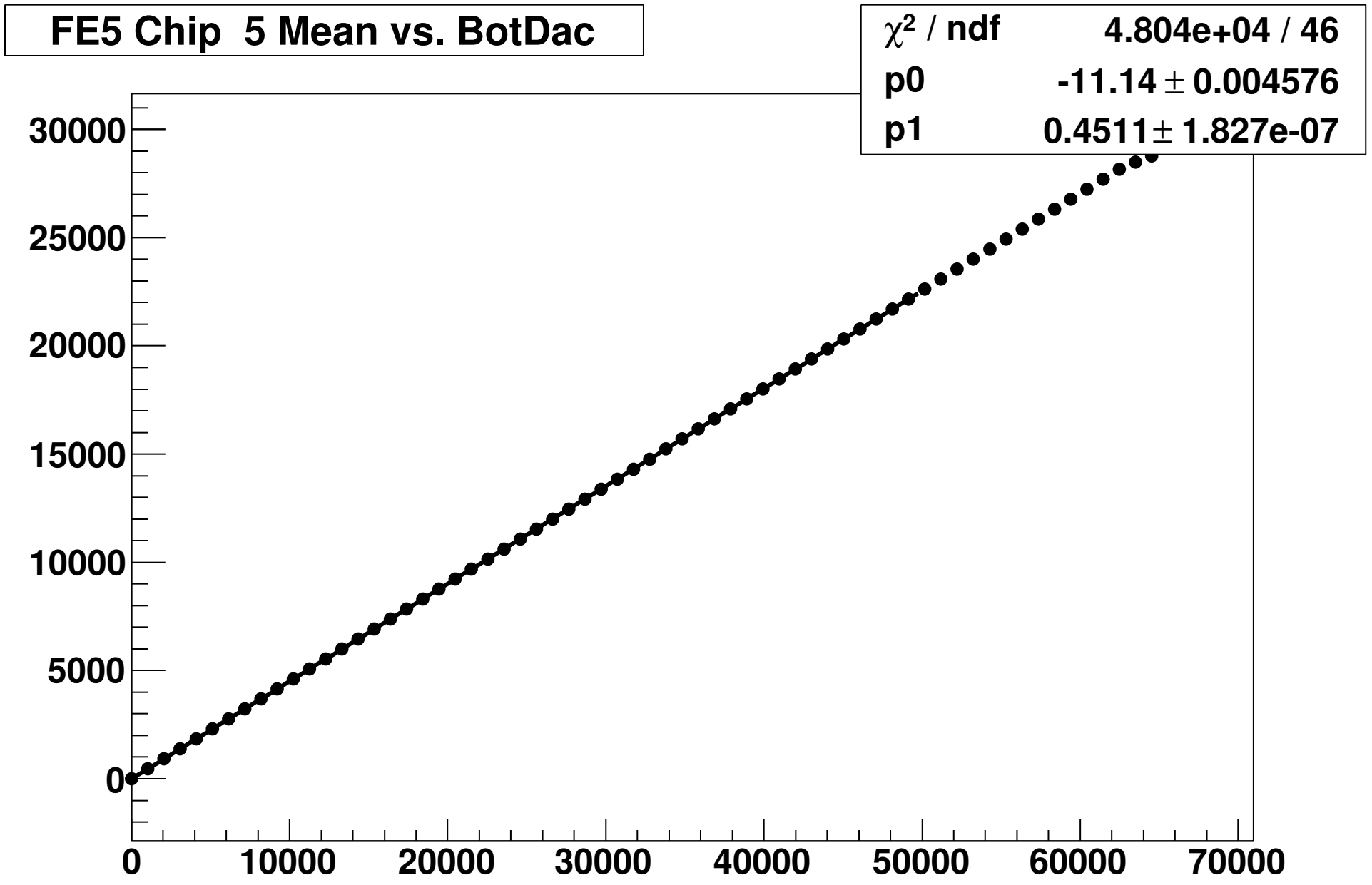
FE5 Chip 5 Mean vs. BotDac
χ² / ndf 4.804e+04 / 46
p0 -11.14 ± 0.004576
p1 0.4511 ± 1.827e-07
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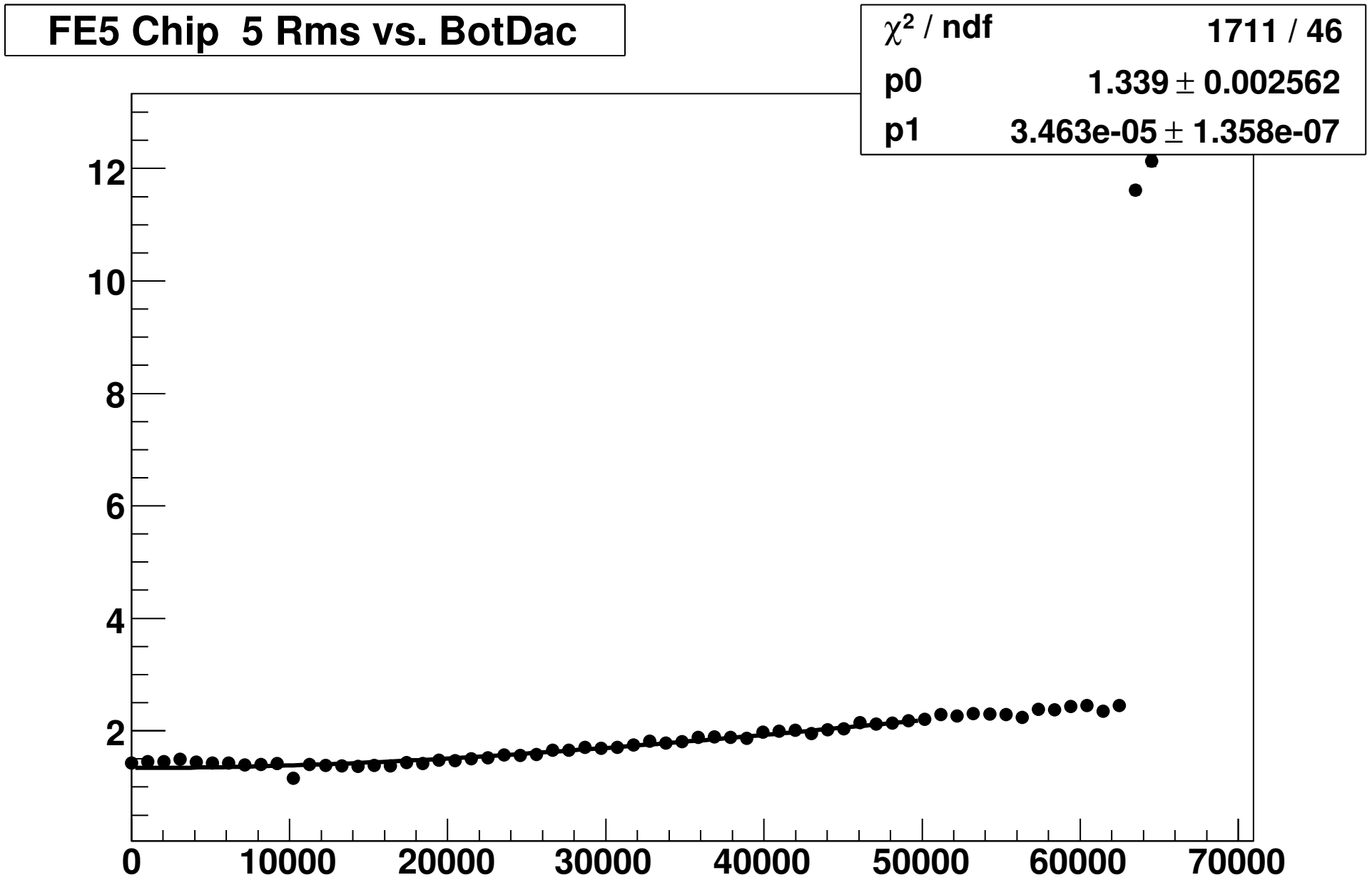
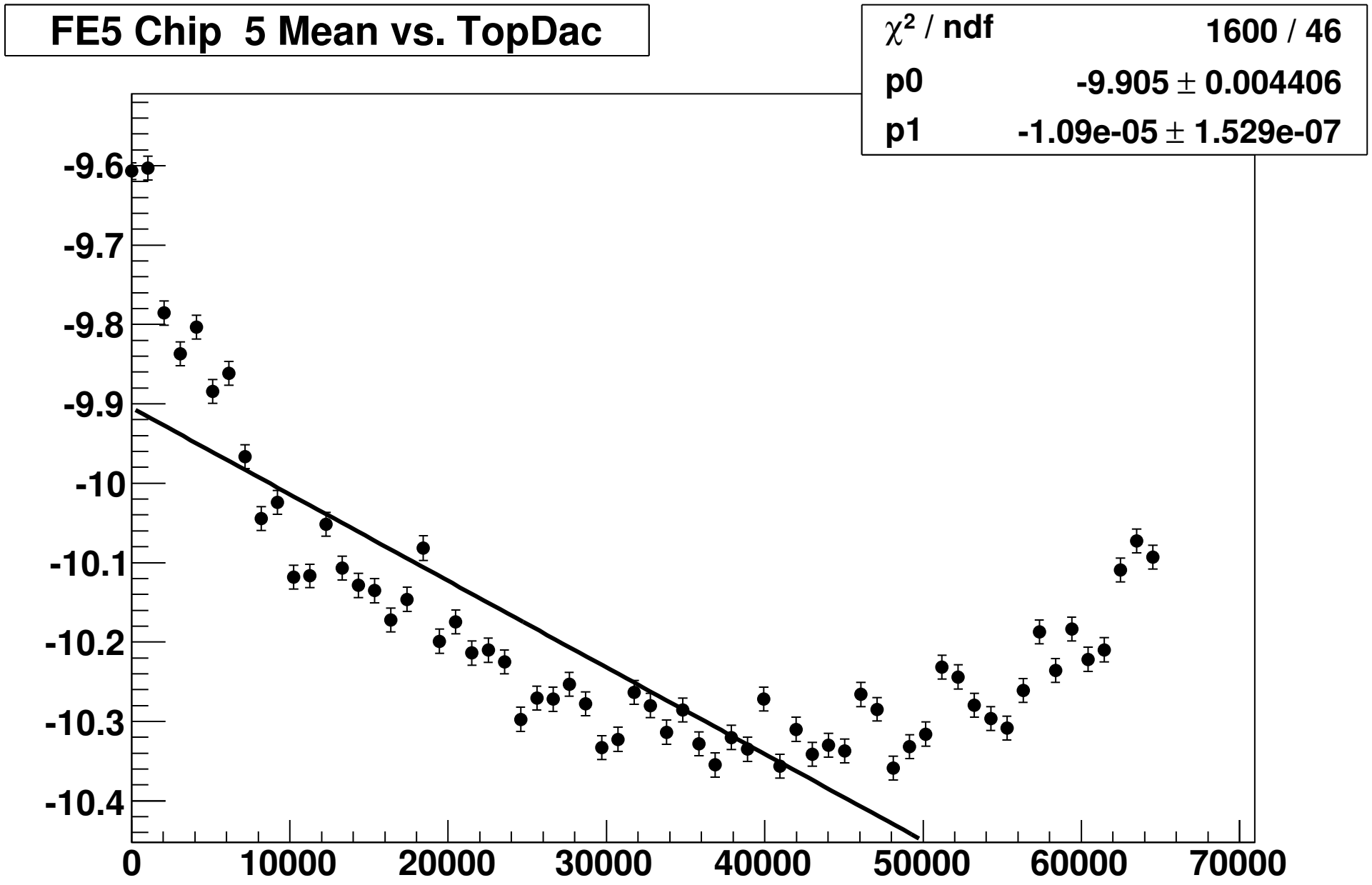
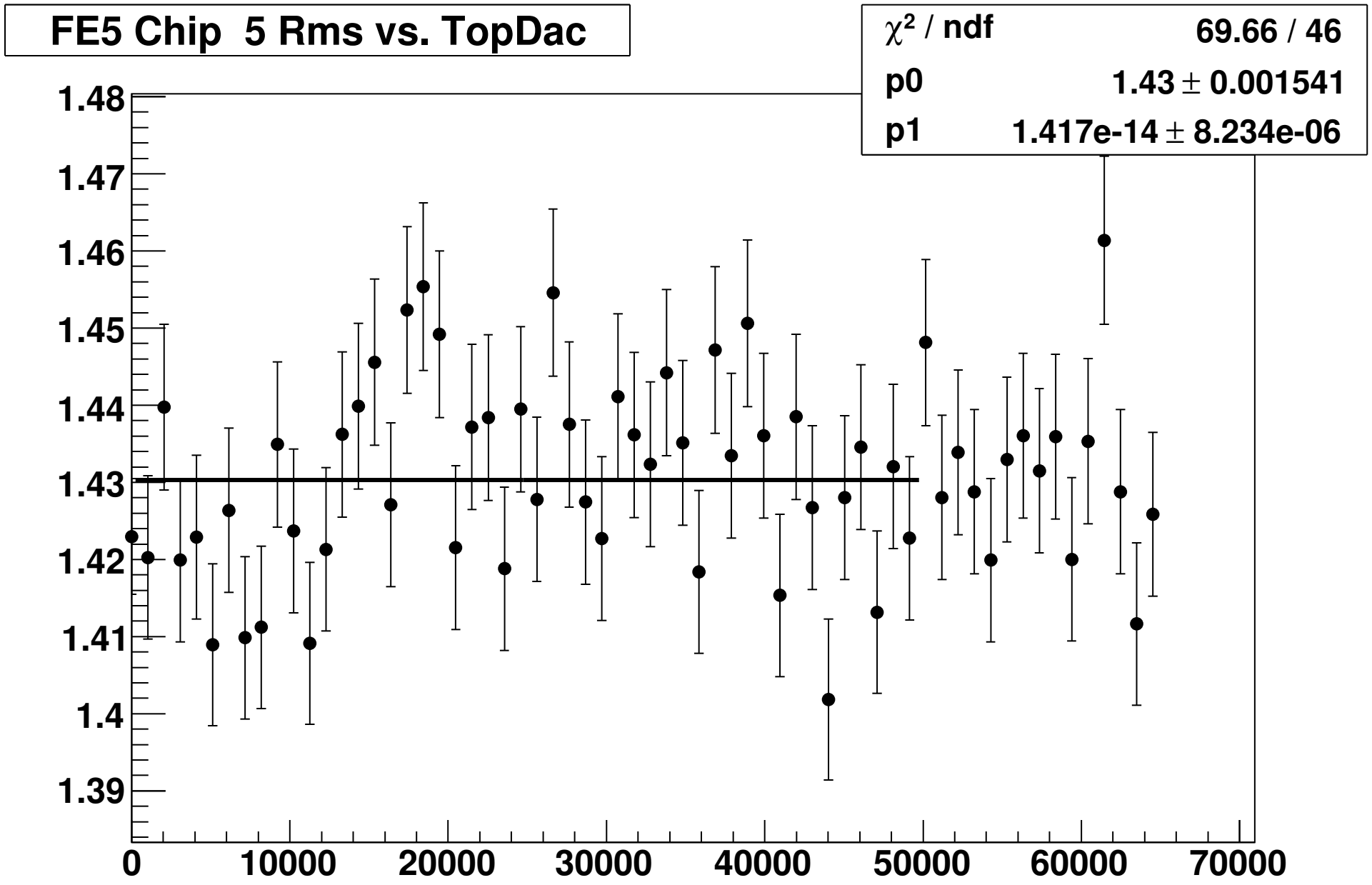
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 1711 / 46
p0 1.339 ± 0.002562
p1 3.463e-05 ± 1.358e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 1600 / 46
p0 -9.905 ± 0.004406
p1 -1.09e-05 ± 1.529e-07
-9.6
-9.7
-9.8
-9.9
-10
-10.1
-10.2
-10.3
-10.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 69.66 / 46
p0 1.43 ± 0.001541
p1 1.417e-14 ± 8.234e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
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50000
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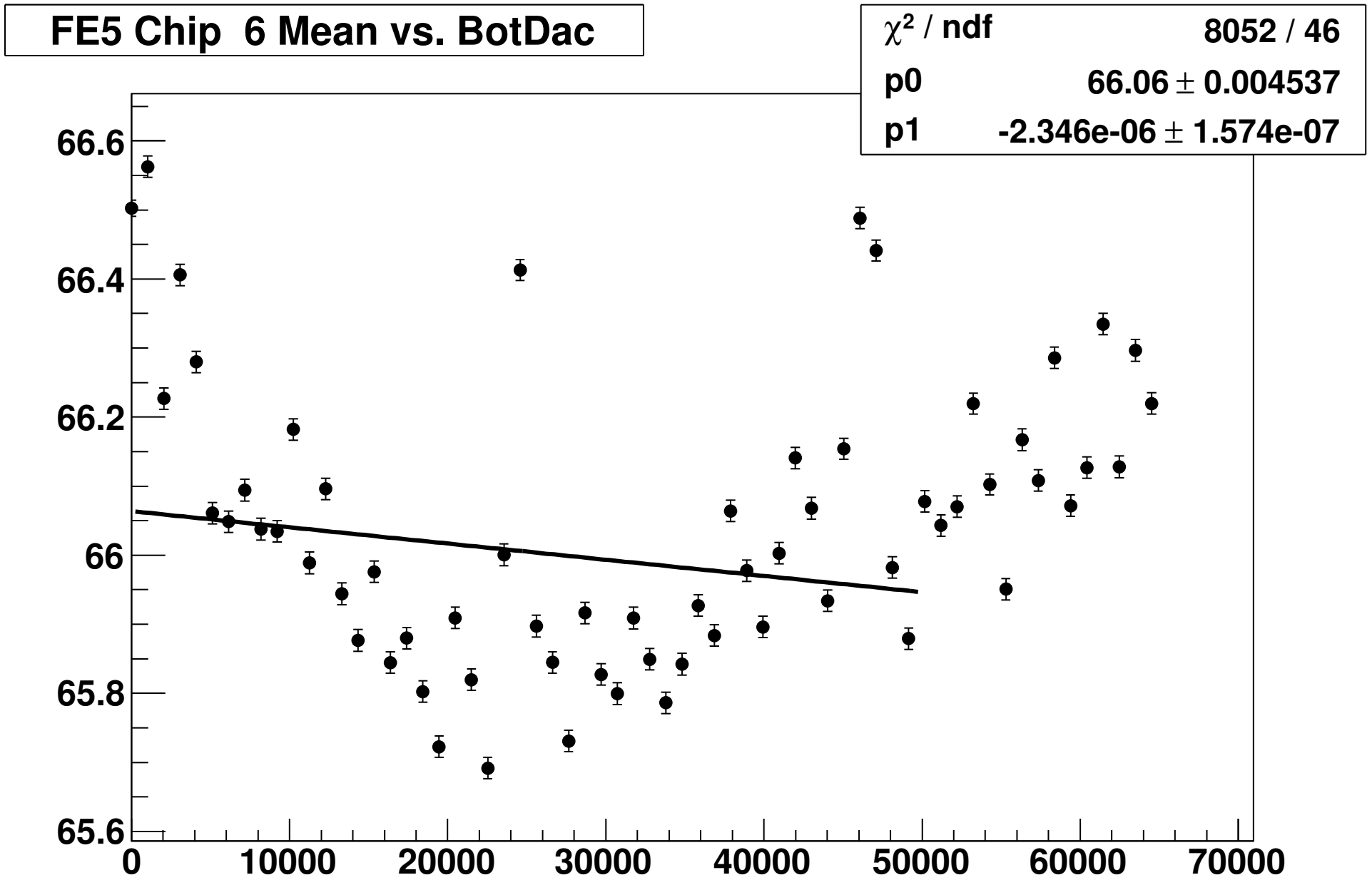
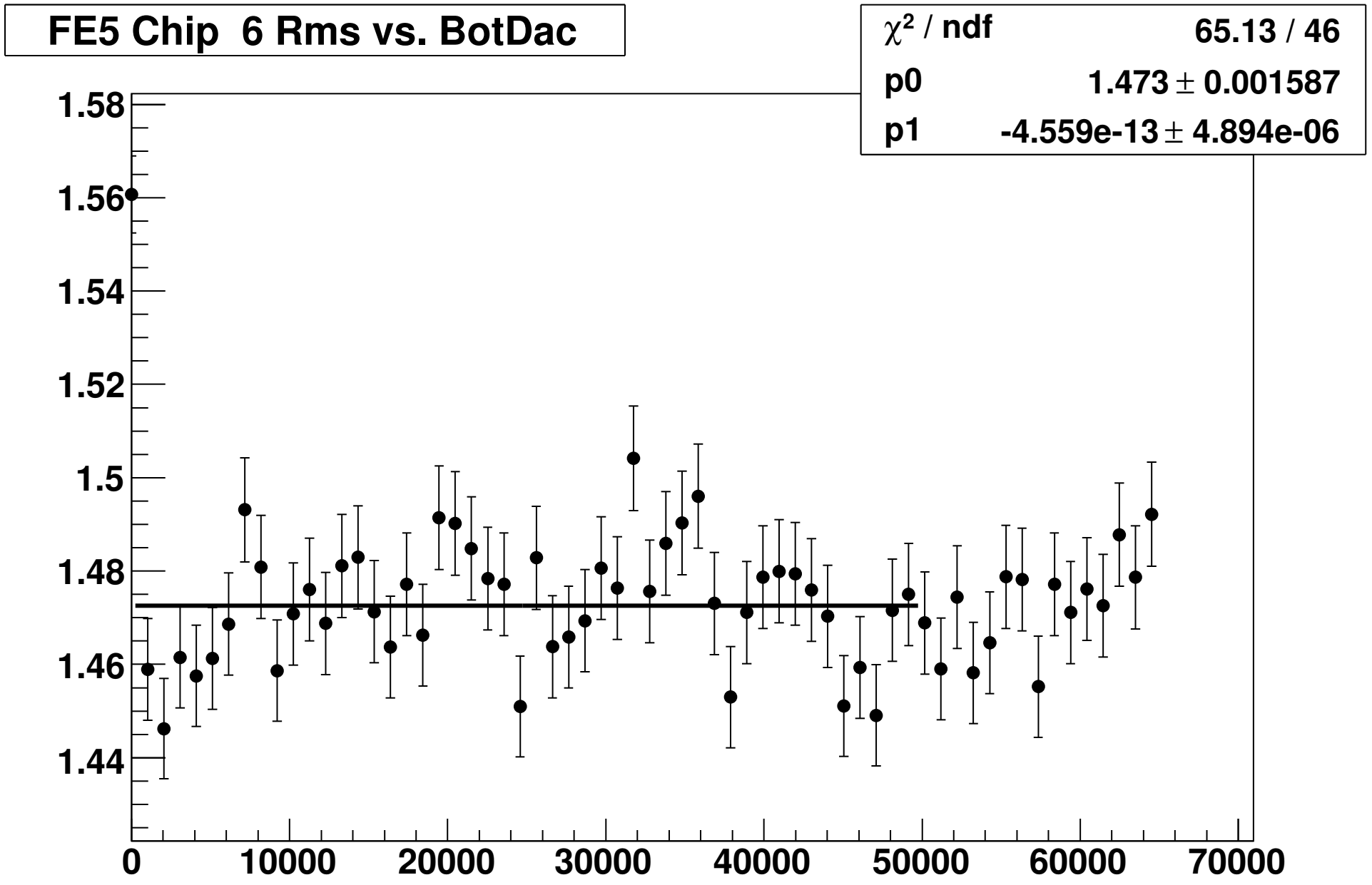
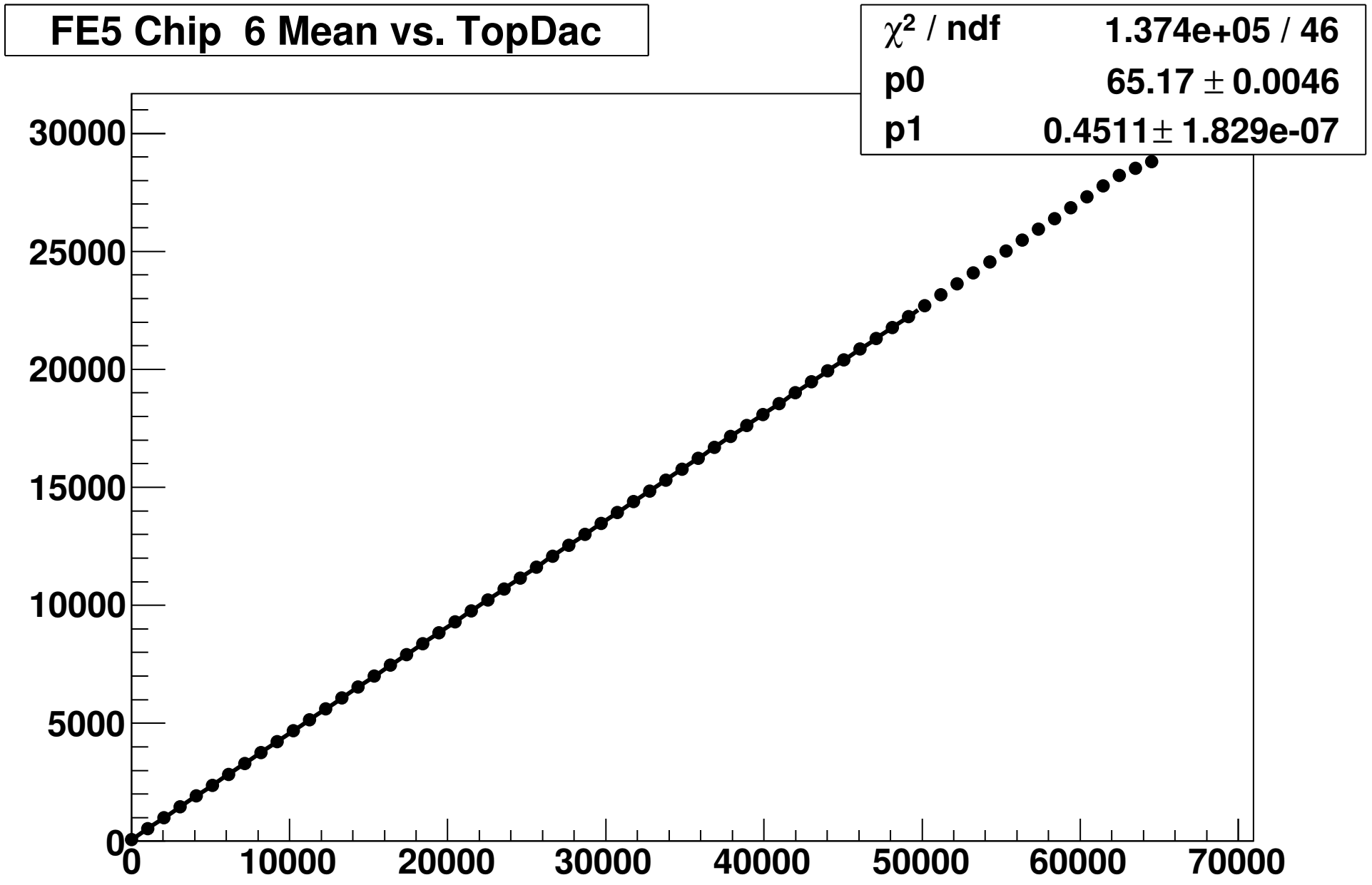
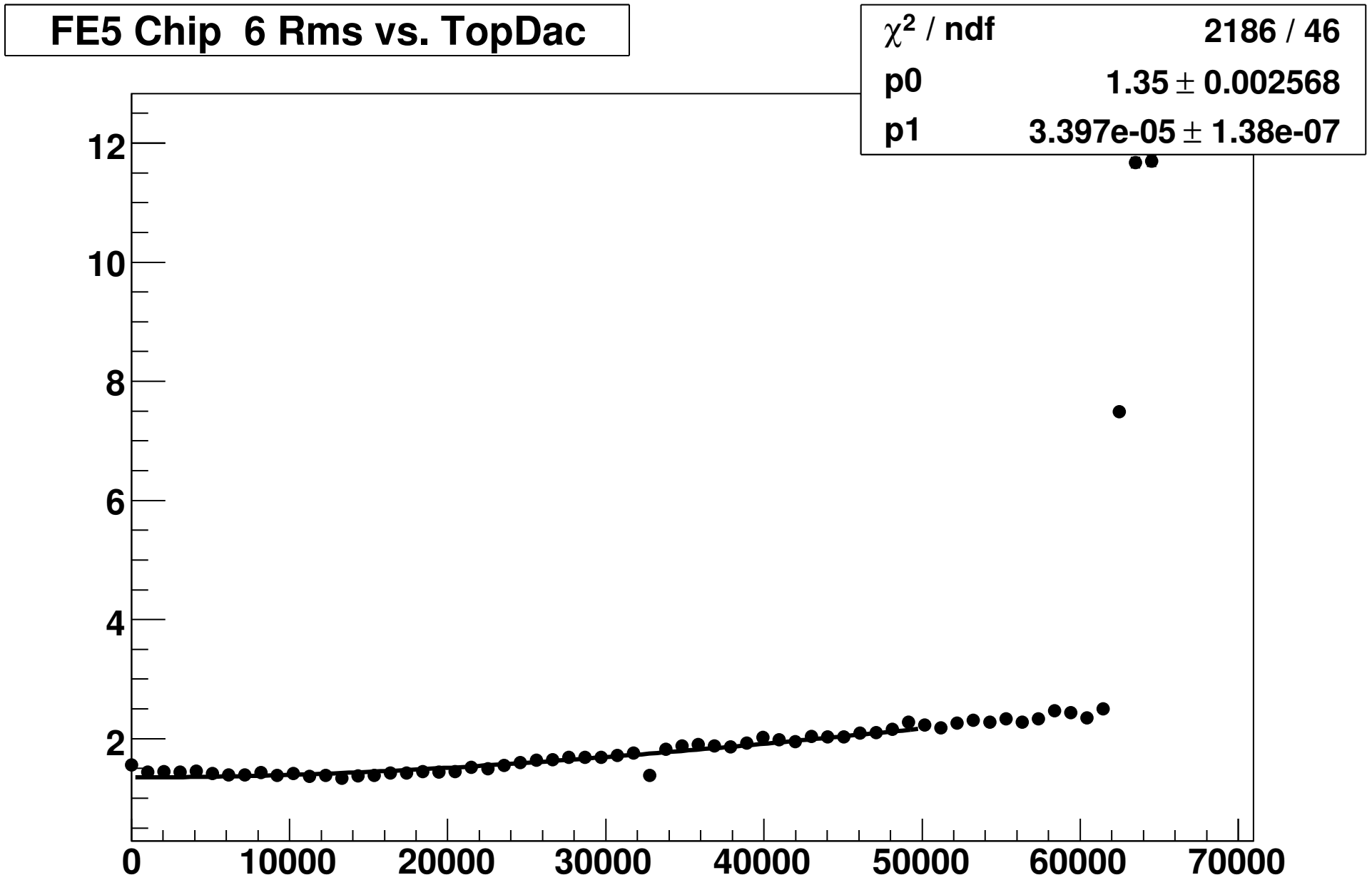
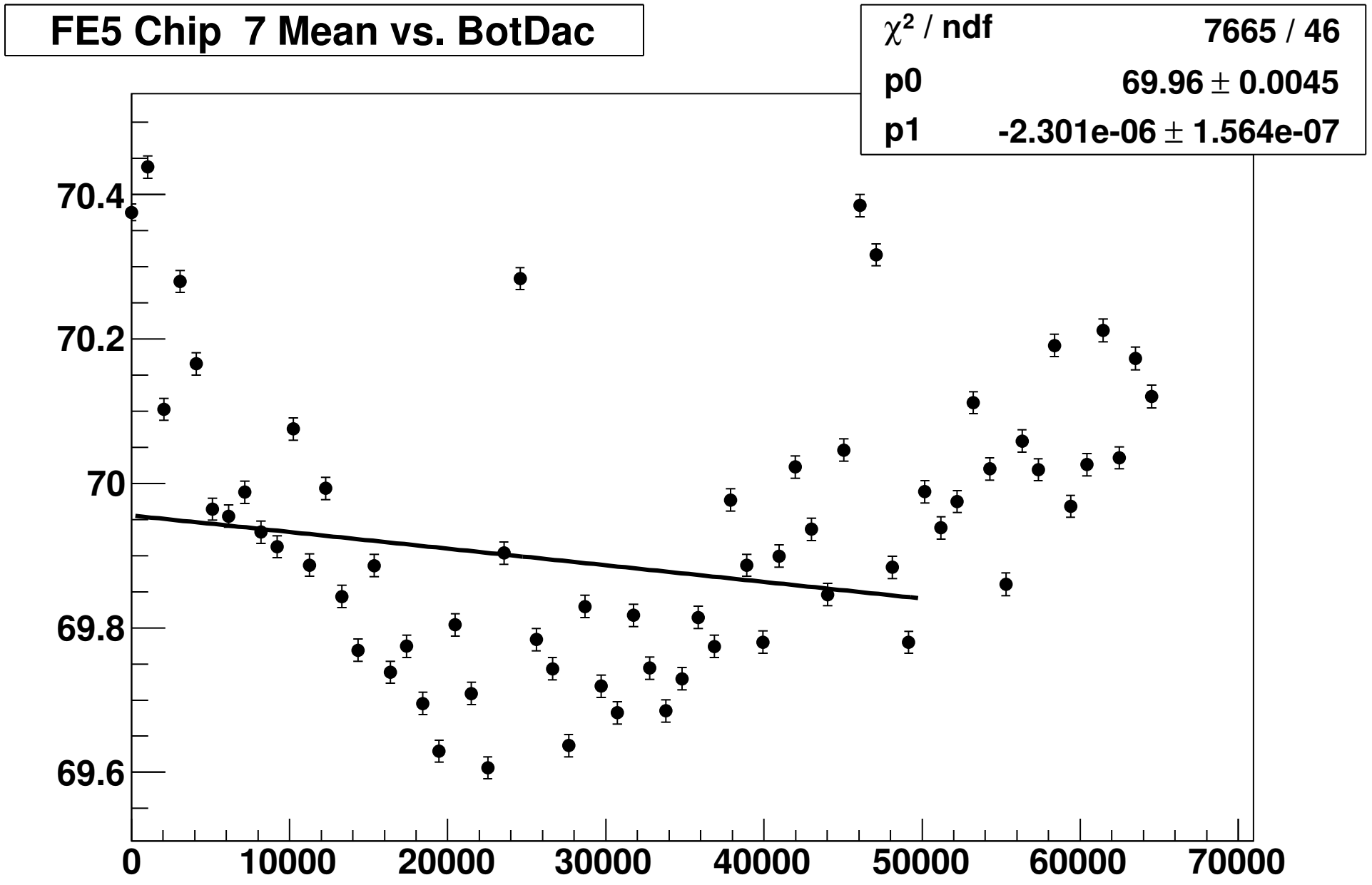
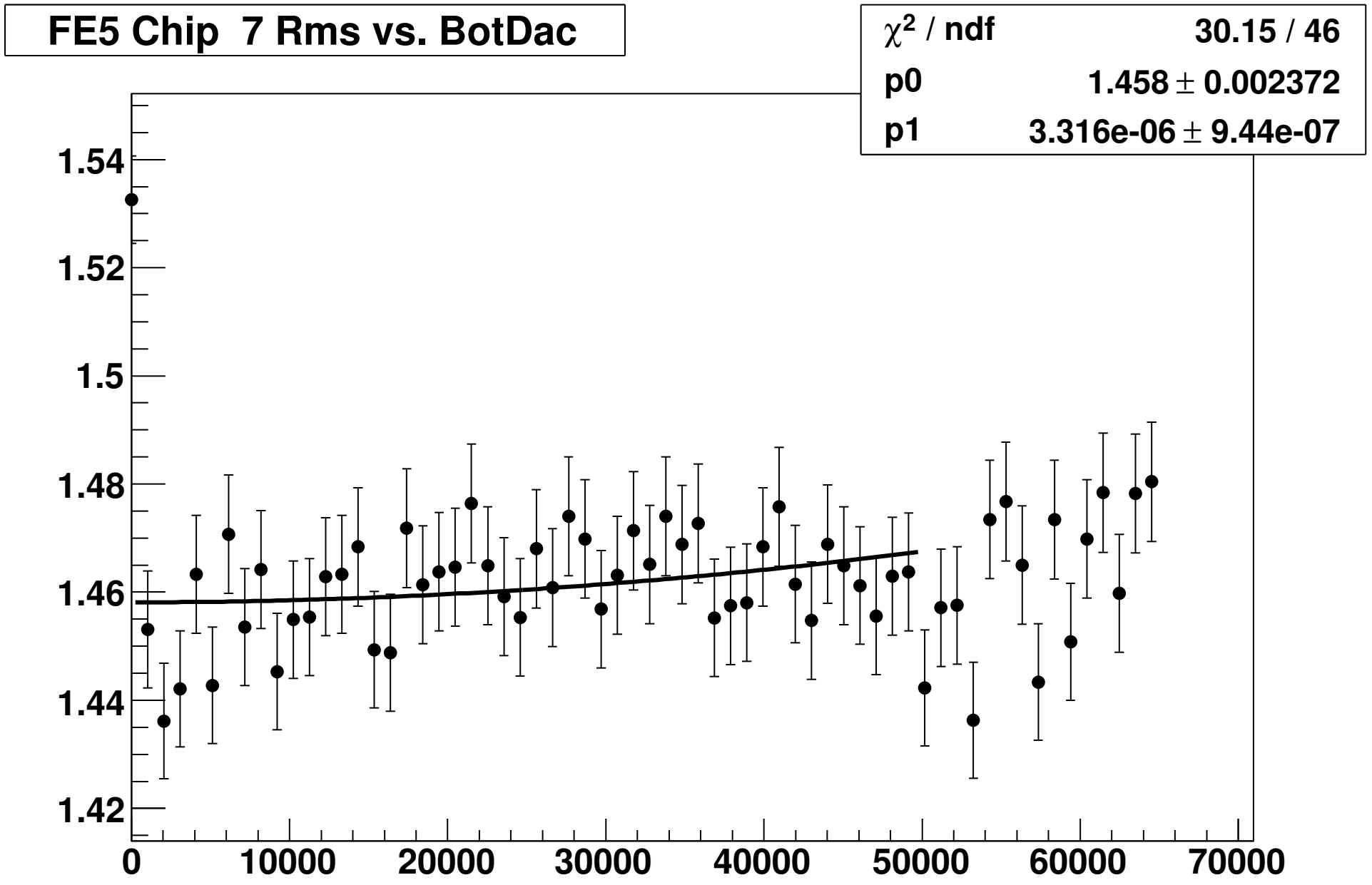

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 8052 / 46
p0 66.06 ± 0.004537
p1 -2.346e-06 ± 1.574e-07
66.6
66.4
66.2
66
65.8
65.6
0
10000
20000
30000
40000
50000
60000
70000

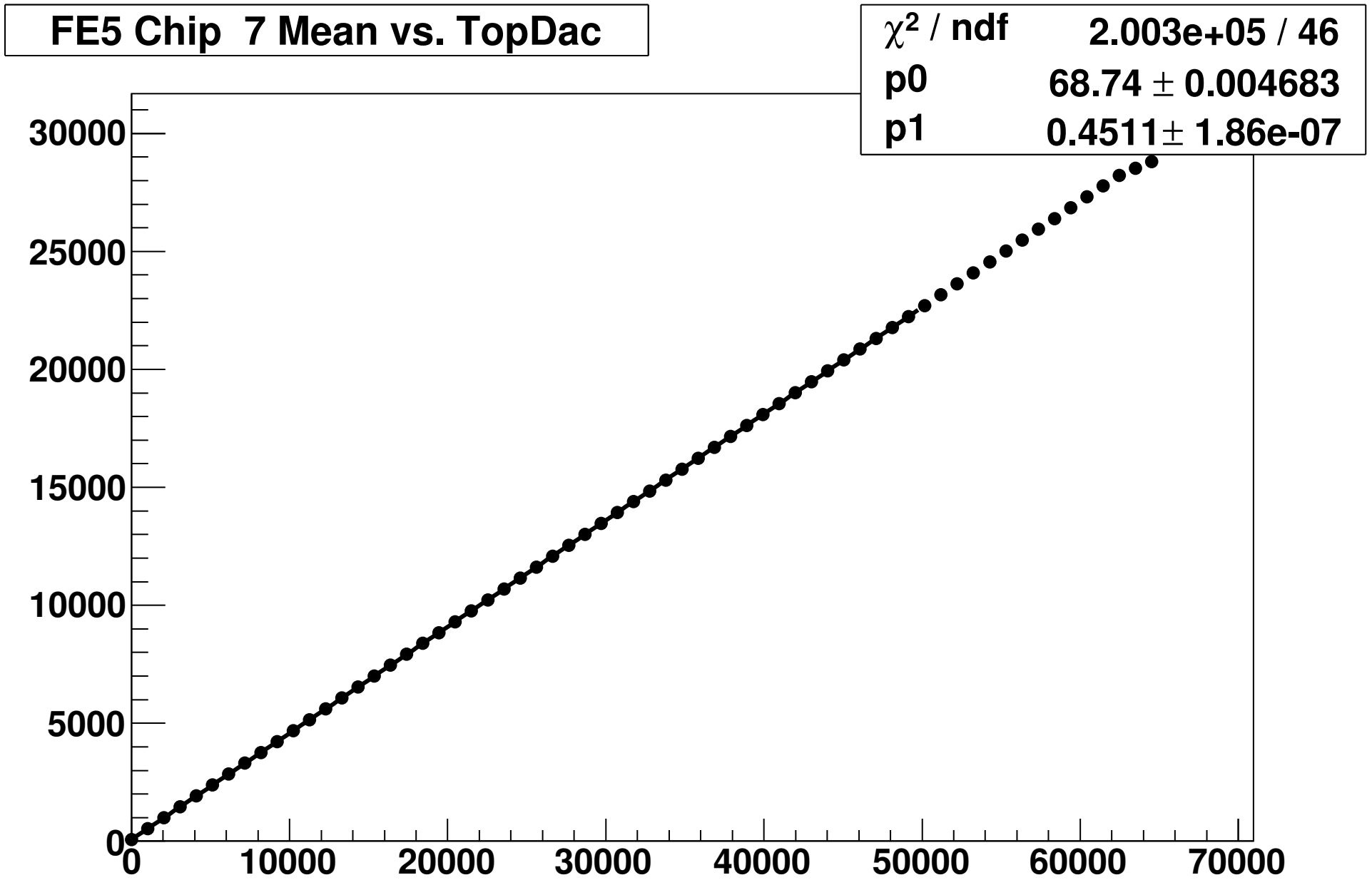

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 65.13 / 46
p0 1.473 ± 0.001587
p1 -4.559e-13 ± 4.894e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

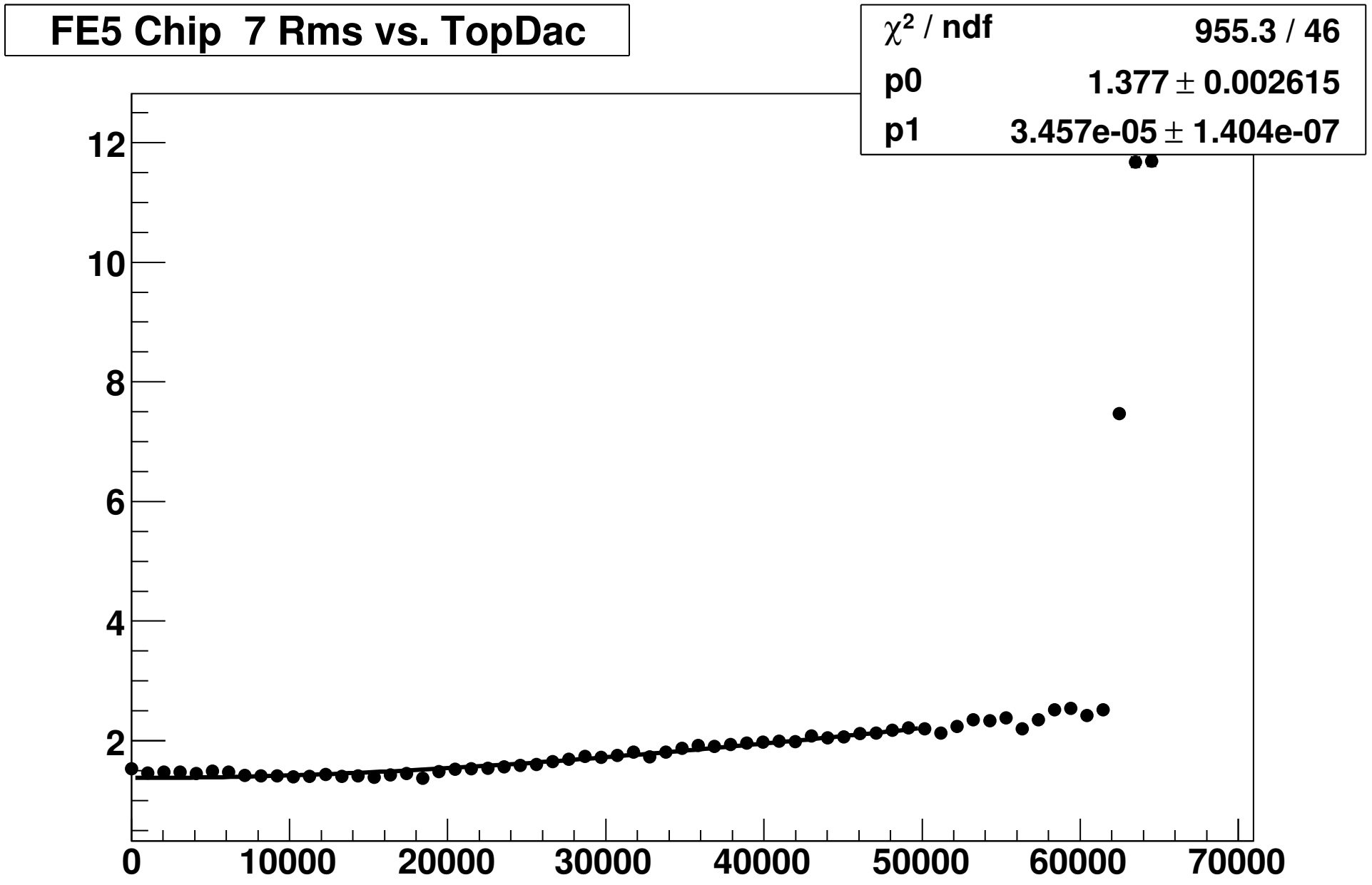

FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.374e+05 / 46
p0 65.17 ± 0.0046
p1 0.4511 ± 1.829e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

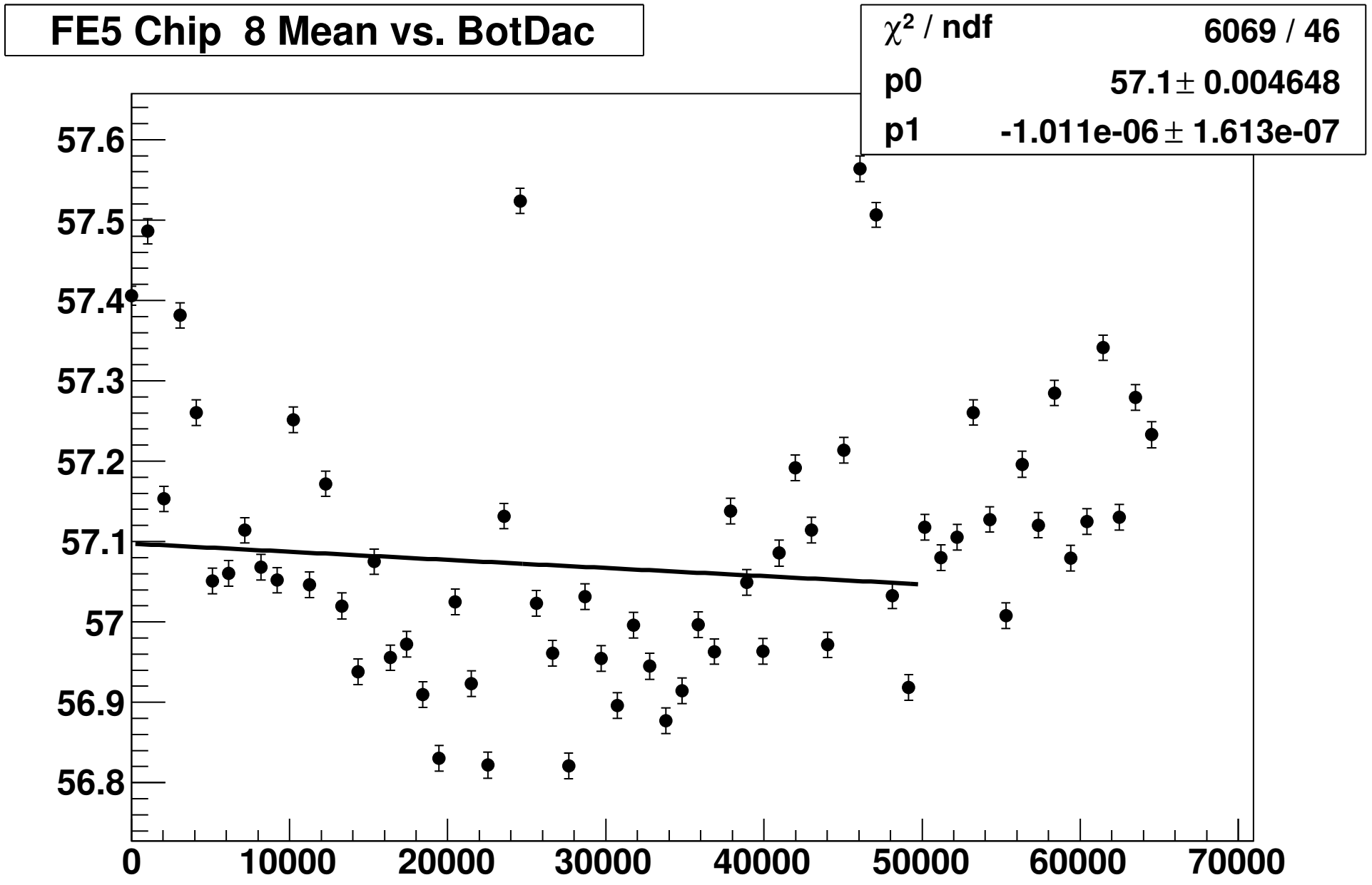

FE5 Chip 6 Rms vs. TopDac
χ² / ndf 2186 / 46
p0 1.35 ± 0.002568
p1 3.397e-05 ± 1.38e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 7665 / 46
p0 69.96 ± 0.0045
p1 -2.301e-06 ± 1.564e-07
70.4
70.2
70
69.8
69.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 30.15 / 46
p0 1.458 ± 0.002372
p1 3.316e-06 ± 9.44e-07
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 2.003e+05 / 46
p0 68.74 ± 0.004683
p1 0.4511 ± 1.86e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 7 Rms vs. TopDac
χ² / ndf 955.3 / 46
p0 1.377 ± 0.002615
p1 3.457e-05 ± 1.404e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 6069 / 46
p0 57.1 ± 0.004648
p1 -1.011e-06 ± 1.613e-07
57.6
57.5
57.4
57.3
57.2
57.1
57
56.9
56.8
0
10000
20000
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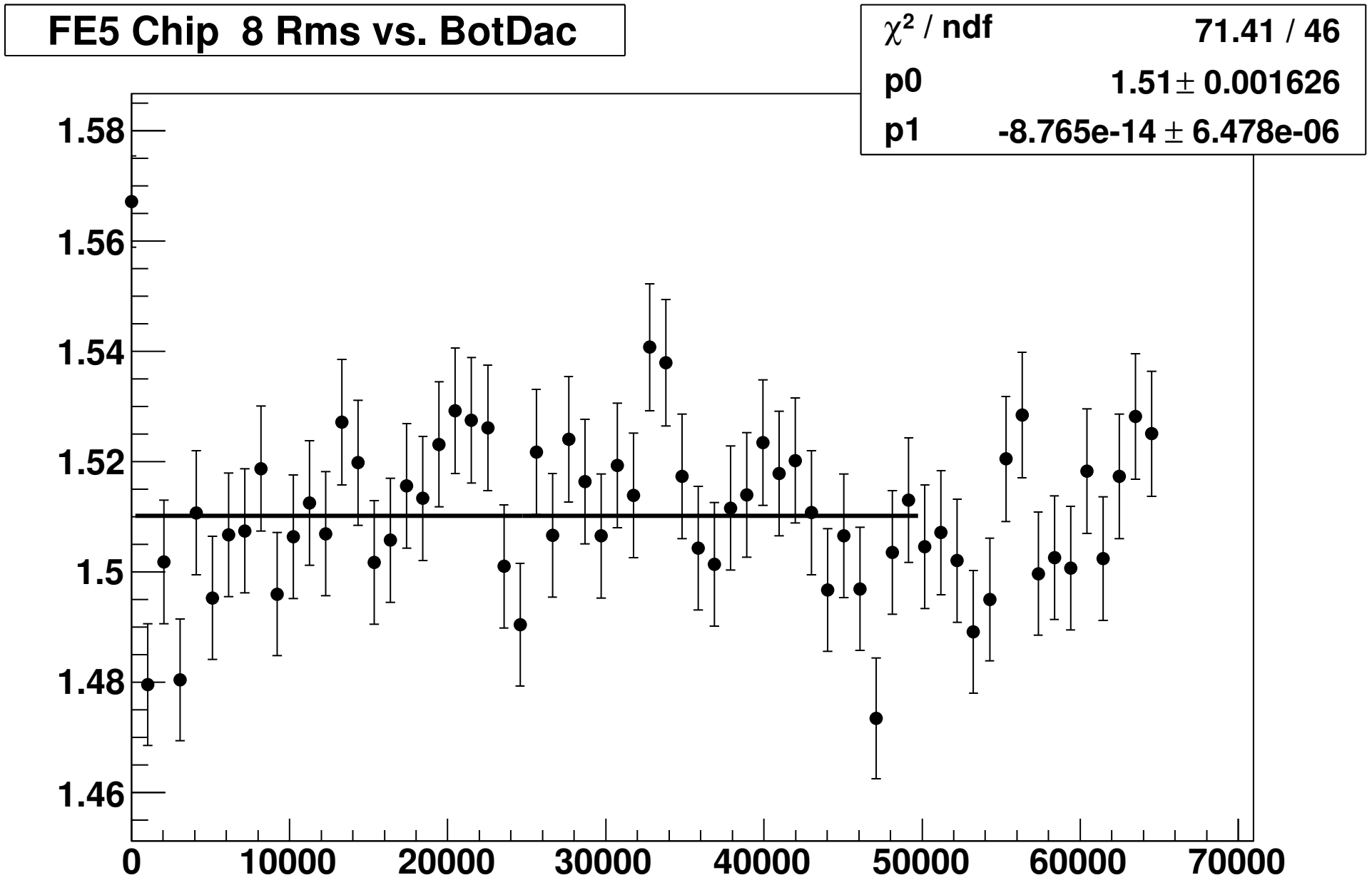
FE5 Chip 8 Rms vs. BotDac
χ² / ndf 71.41 / 46
p0 1.51 ± 0.001626
p1 -8.765e-14 ± 6.478e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
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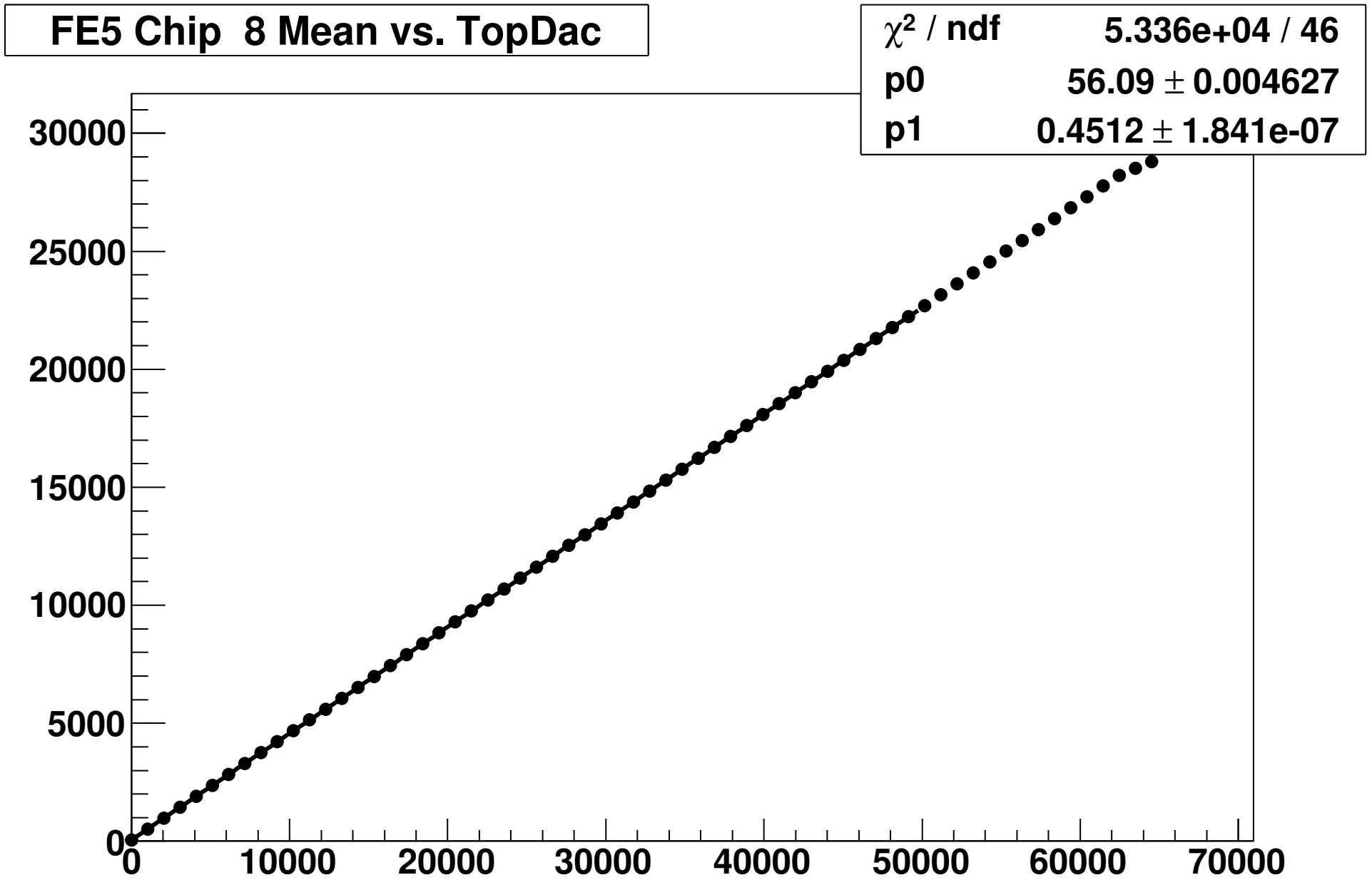
70000


FE5 Chip 8 Mean vs. TopDac
χ² / ndf 5.336e+04 / 46
p0 56.09 ± 0.004627
p1 0.4512 ± 1.841e-07
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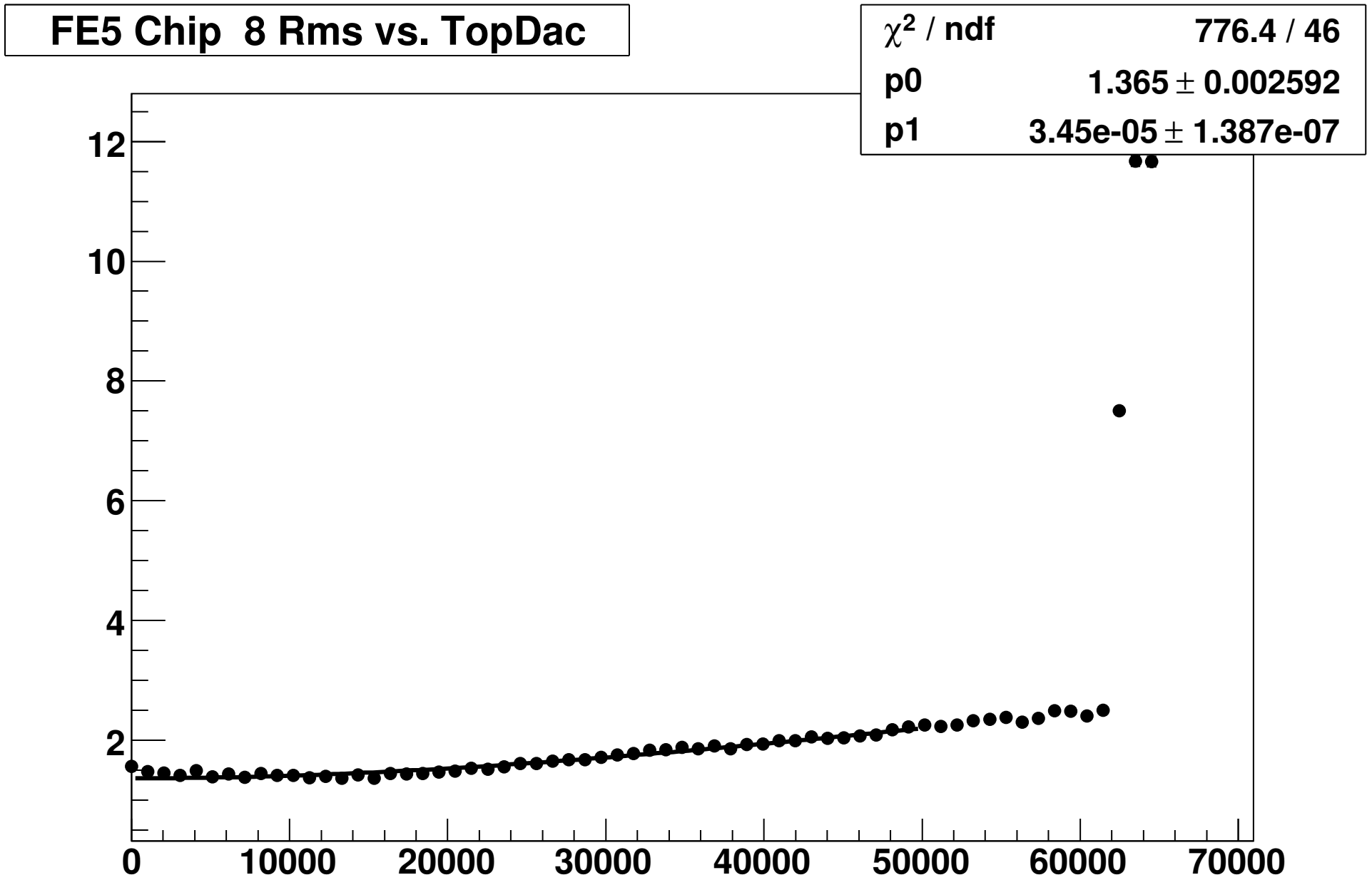
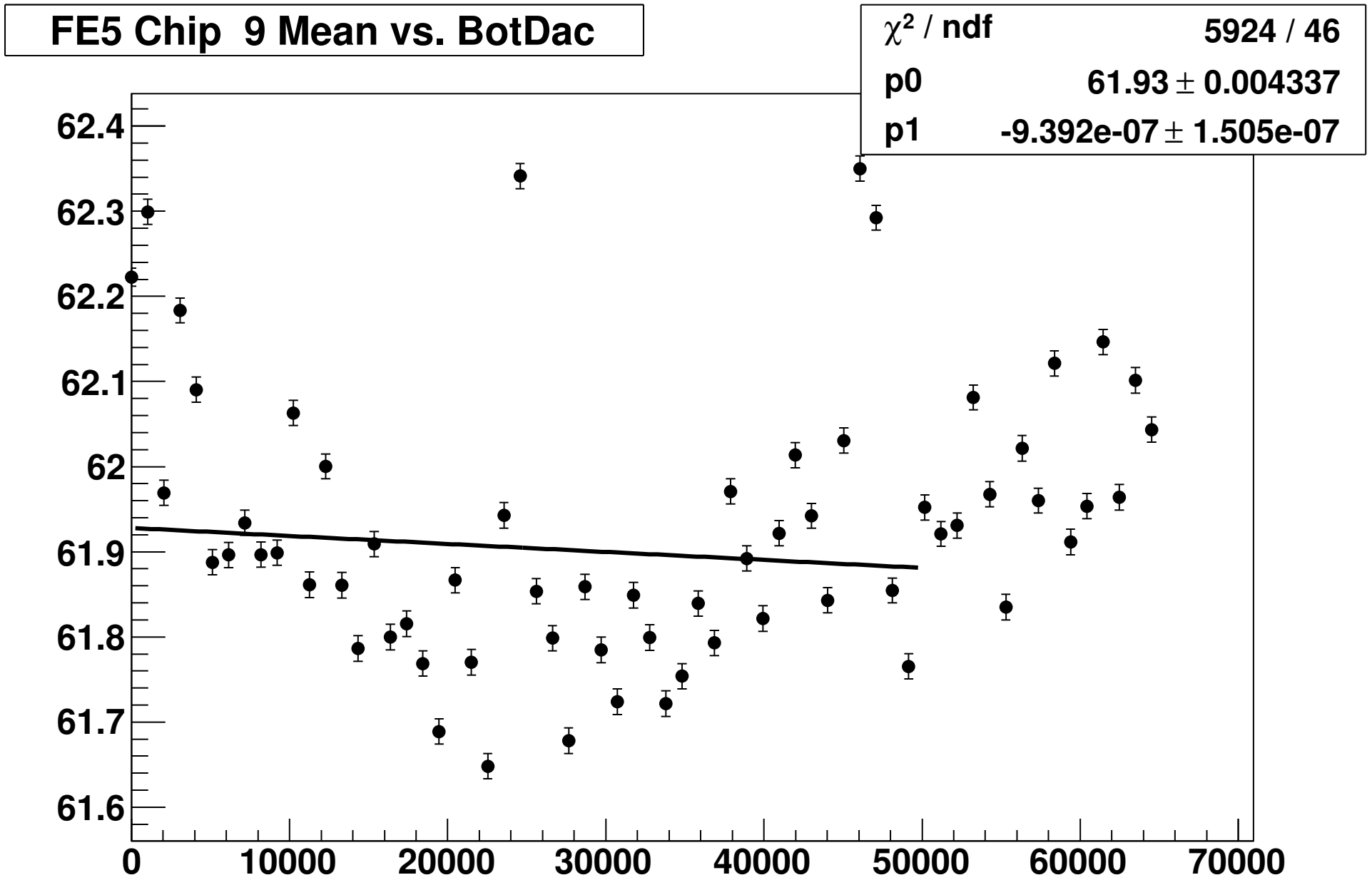
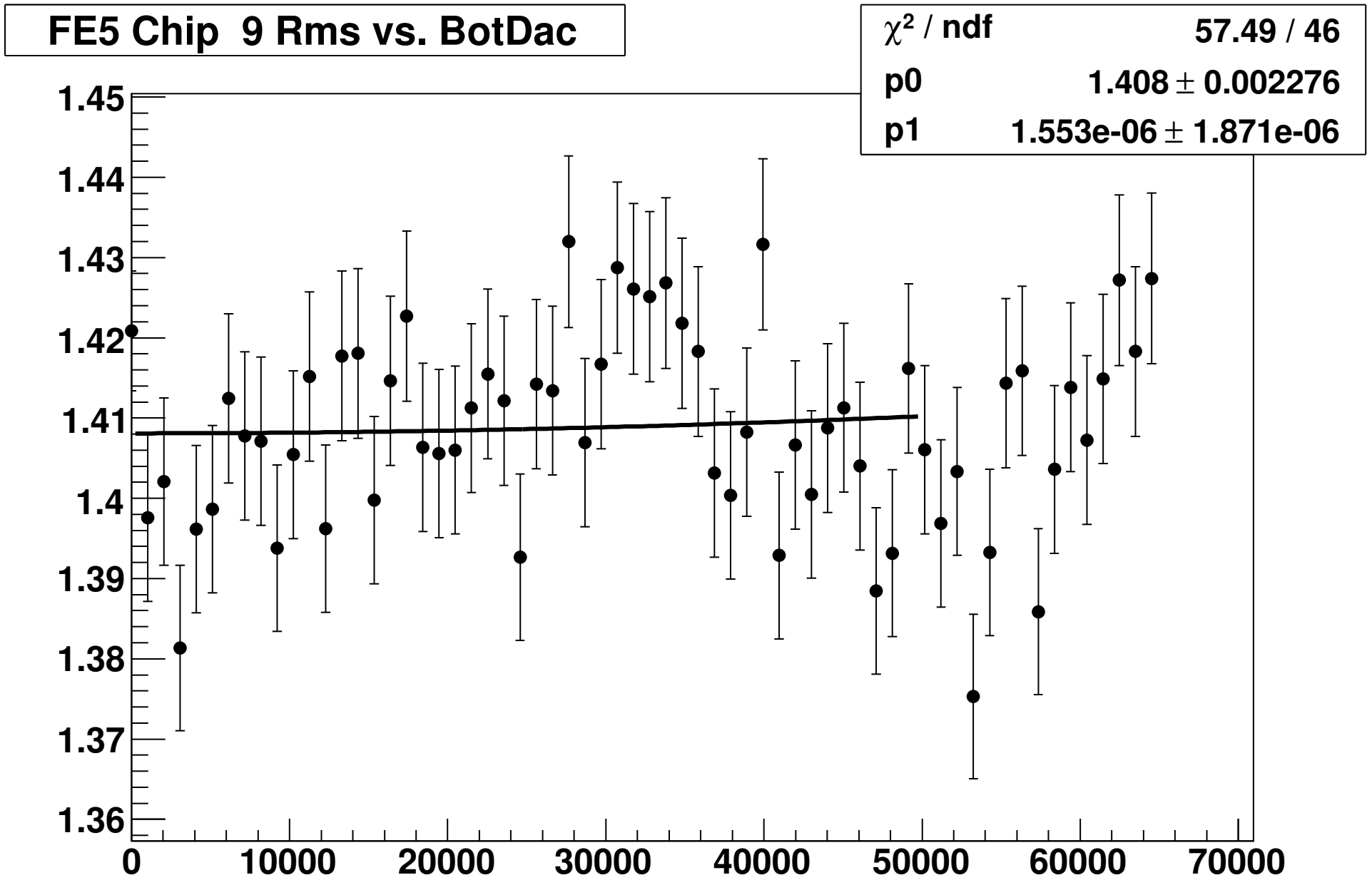
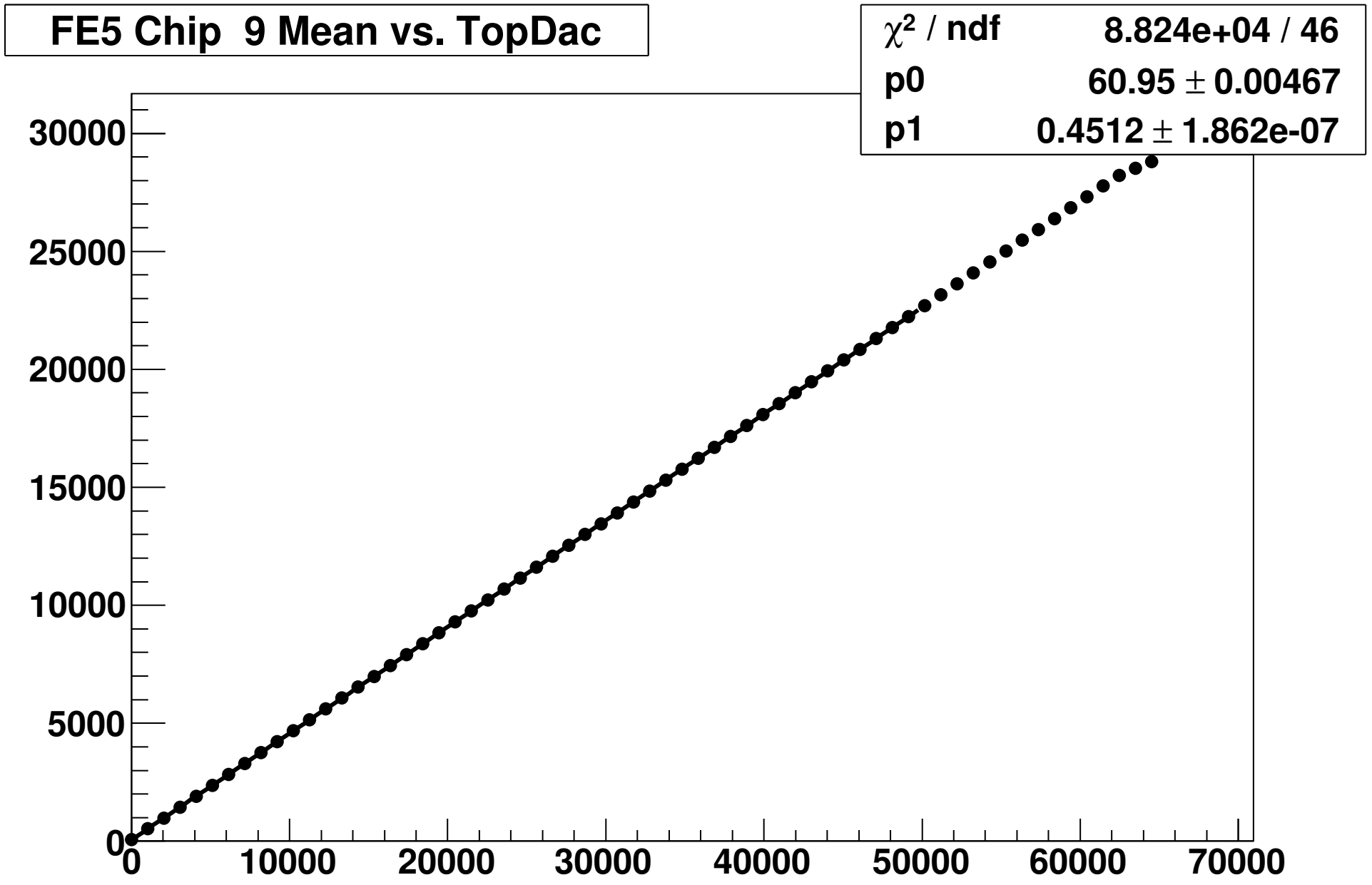
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 776.4 / 46
p0 1.365 ± 0.002592
p1 3.45e-05 ± 1.387e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 5924 / 46
p0 61.93 ± 0.004337
p1 -9.392e-07 ± 1.505e-07
62.4
62.3
62.2
62.1
62
61.9
61.8
61.7
61.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 57.49 / 46
p0 1.408 ± 0.002276
p1 1.553e-06 ± 1.871e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 8.824e+04 / 46
p0 60.95 ± 0.00467
p1 0.4512 ± 1.862e-07
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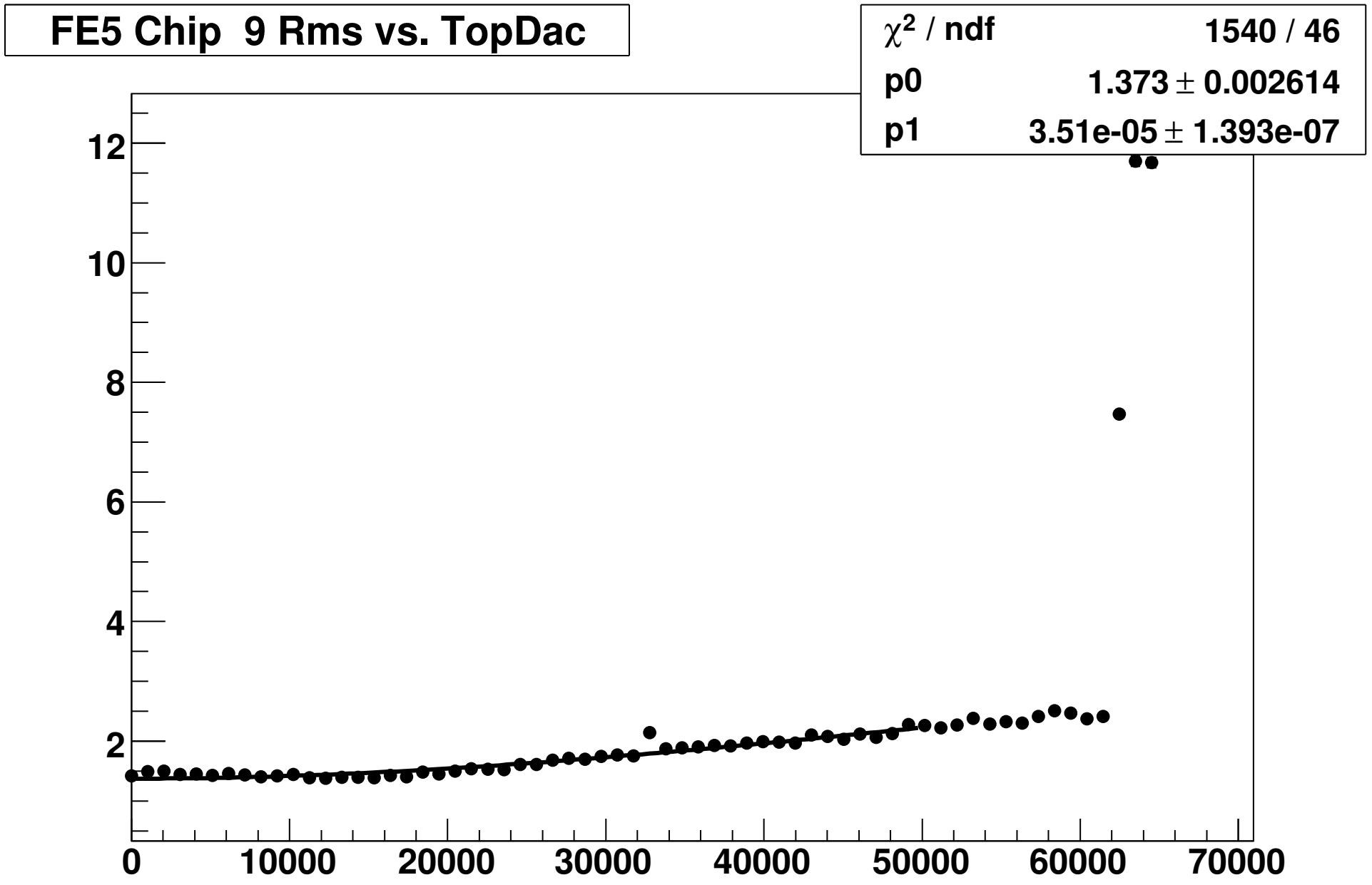
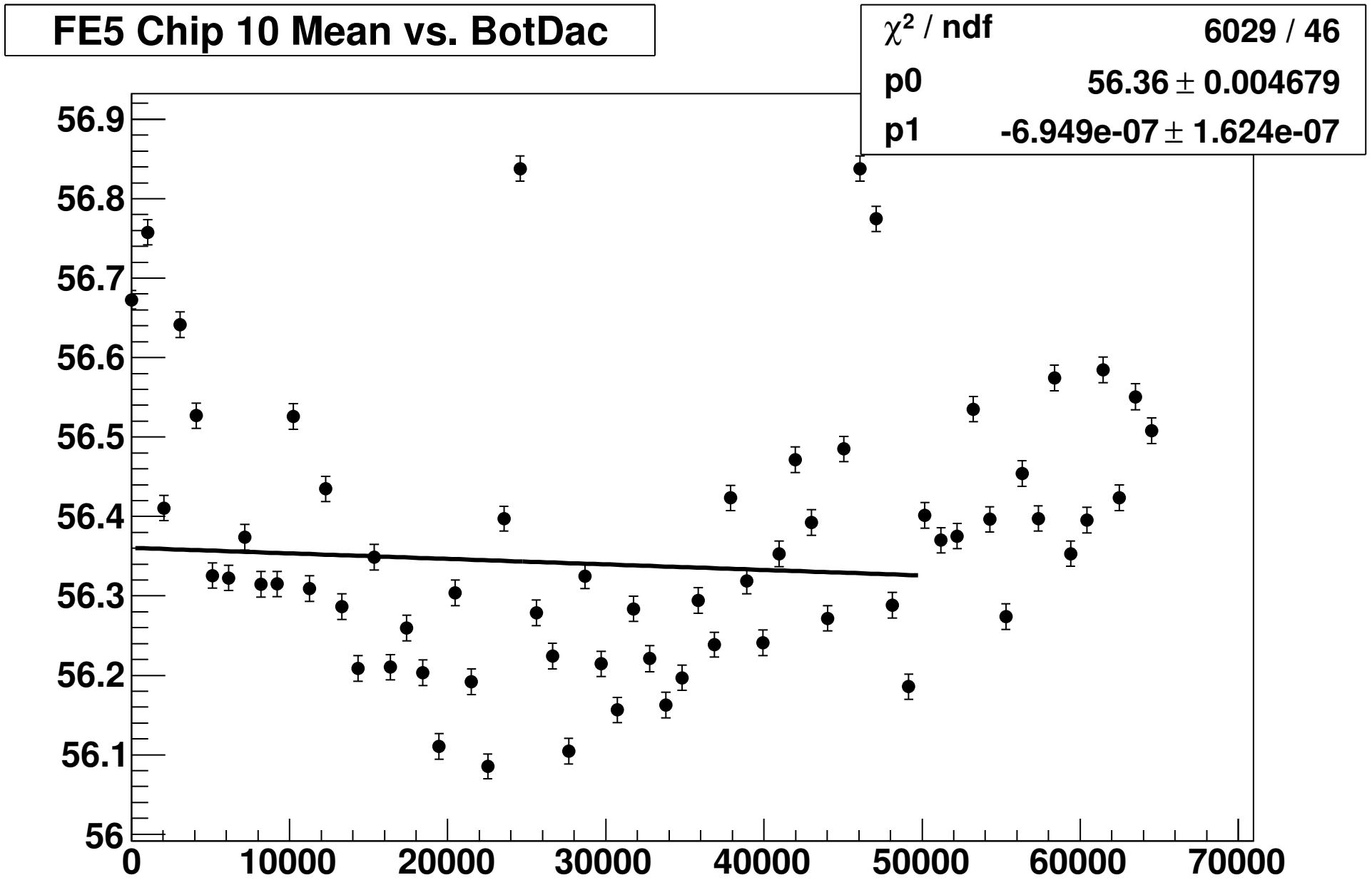
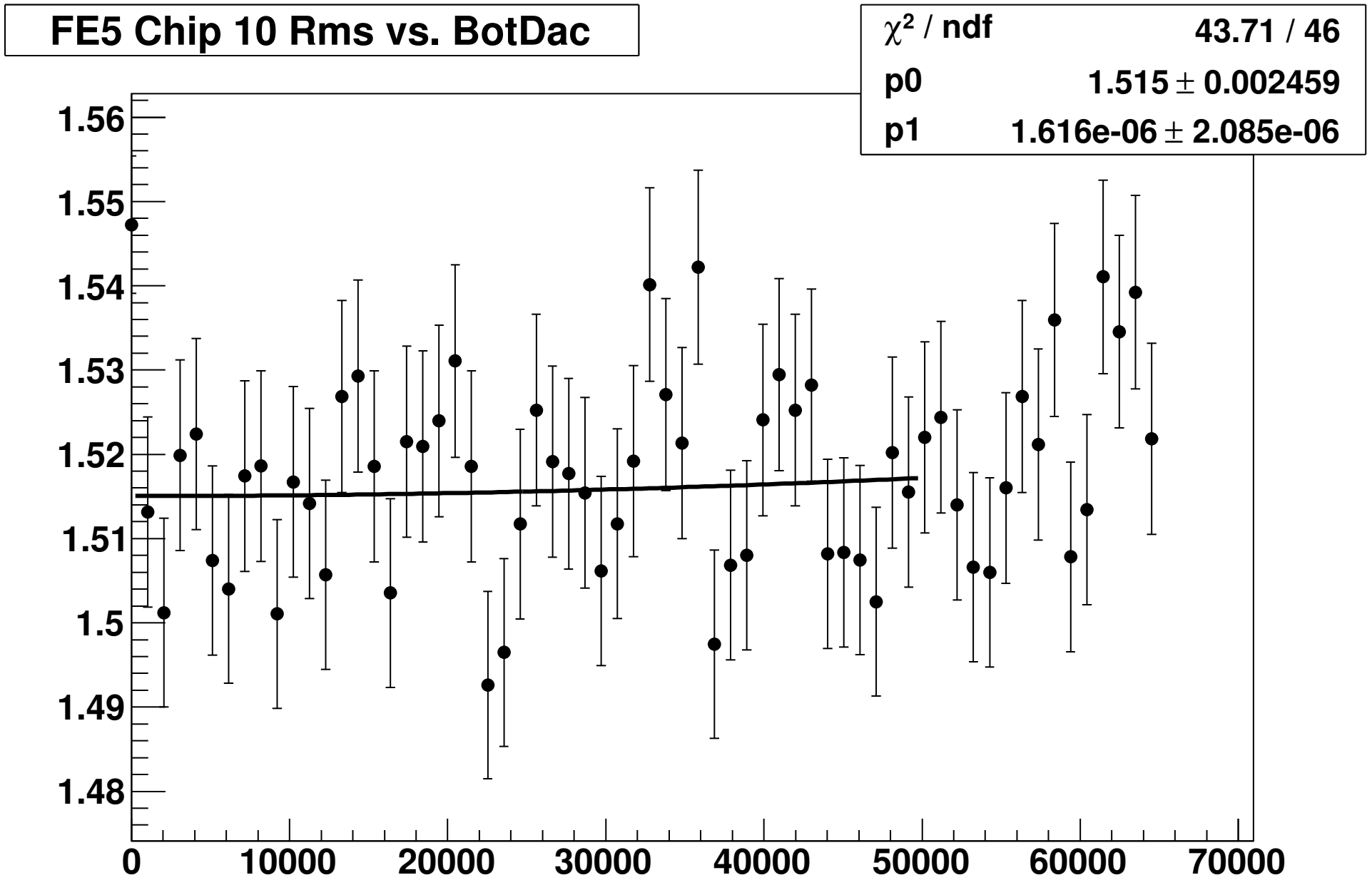
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 1540 / 46
p0 1.373 ± 0.002614
p1 3.51e-05 ± 1.393e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 6029 / 46
p0 56.36 ± 0.004679
p1 -6.949e-07 ± 1.624e-07
56.9
56.8
56.7
56.6
56.5
56.4
56.3
56.2
56.1
56
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 43.71 / 46
p0 1.515 ± 0.002459
p1 1.616e-06 ± 2.085e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
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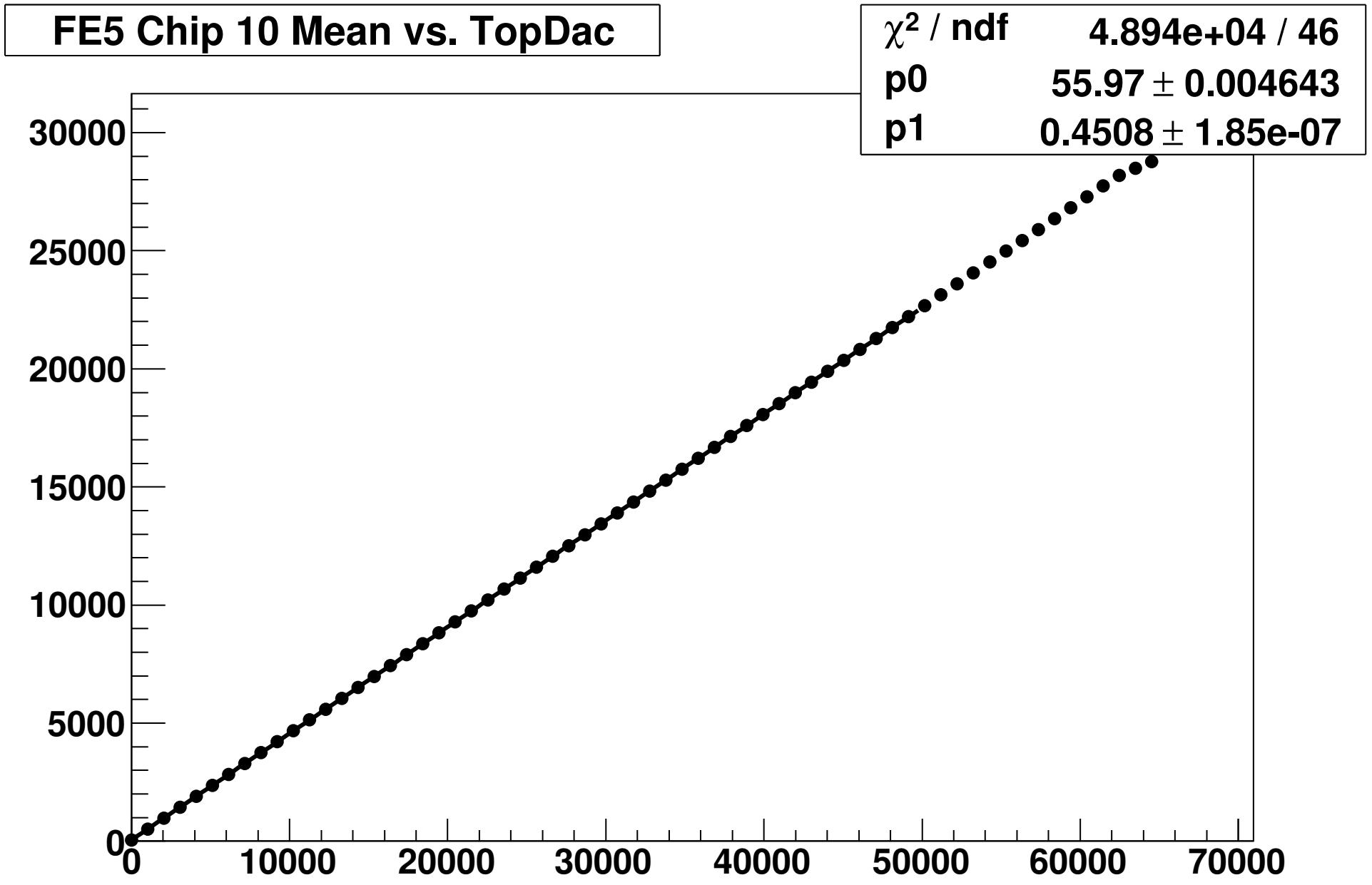
FE5 Chip 10 Mean vs. TopDac
χ² / ndf 4.894e+04 / 46
p0 55.97 ± 0.004643
p1 0.4508 ± 1.85e-07
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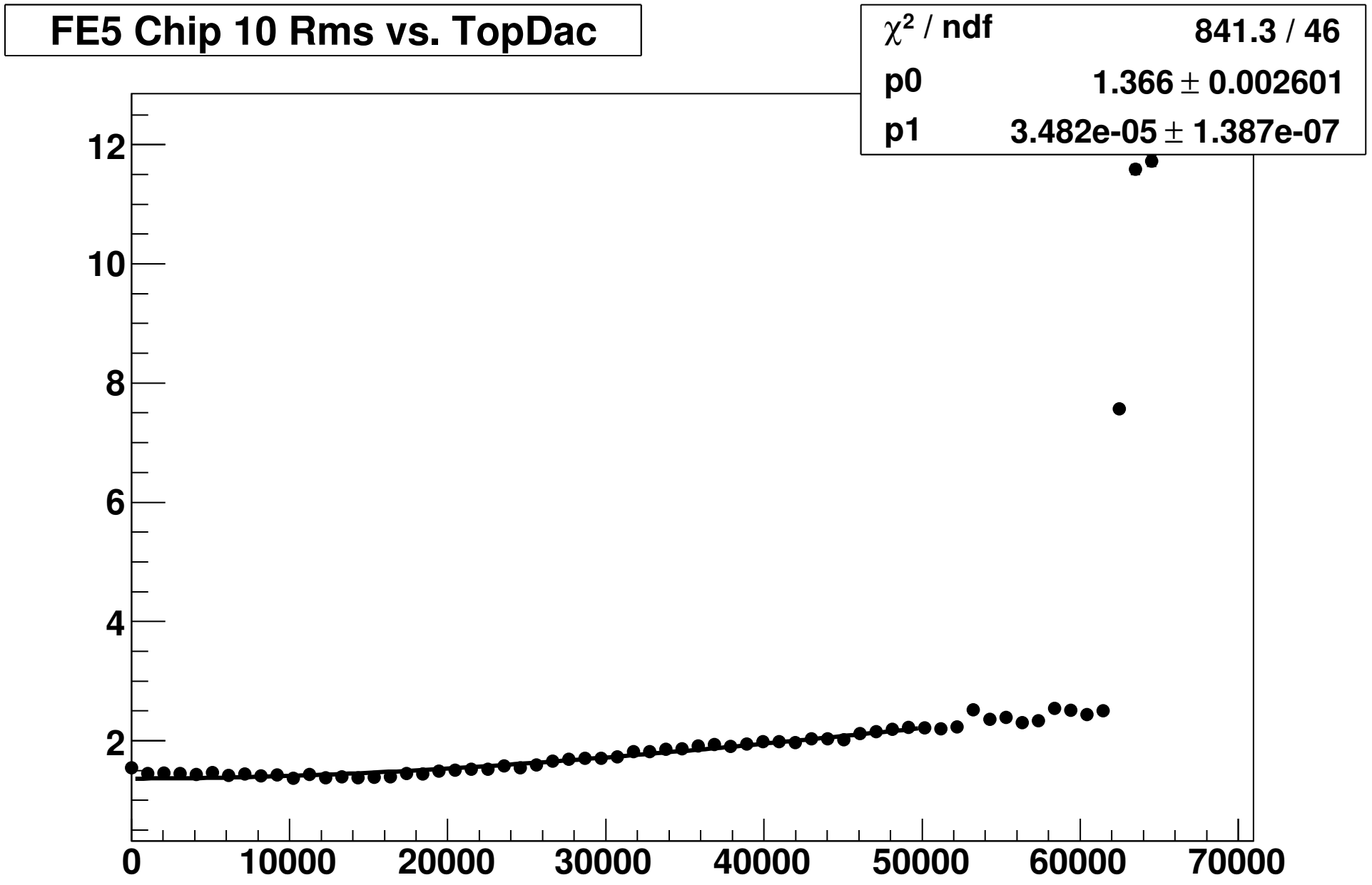
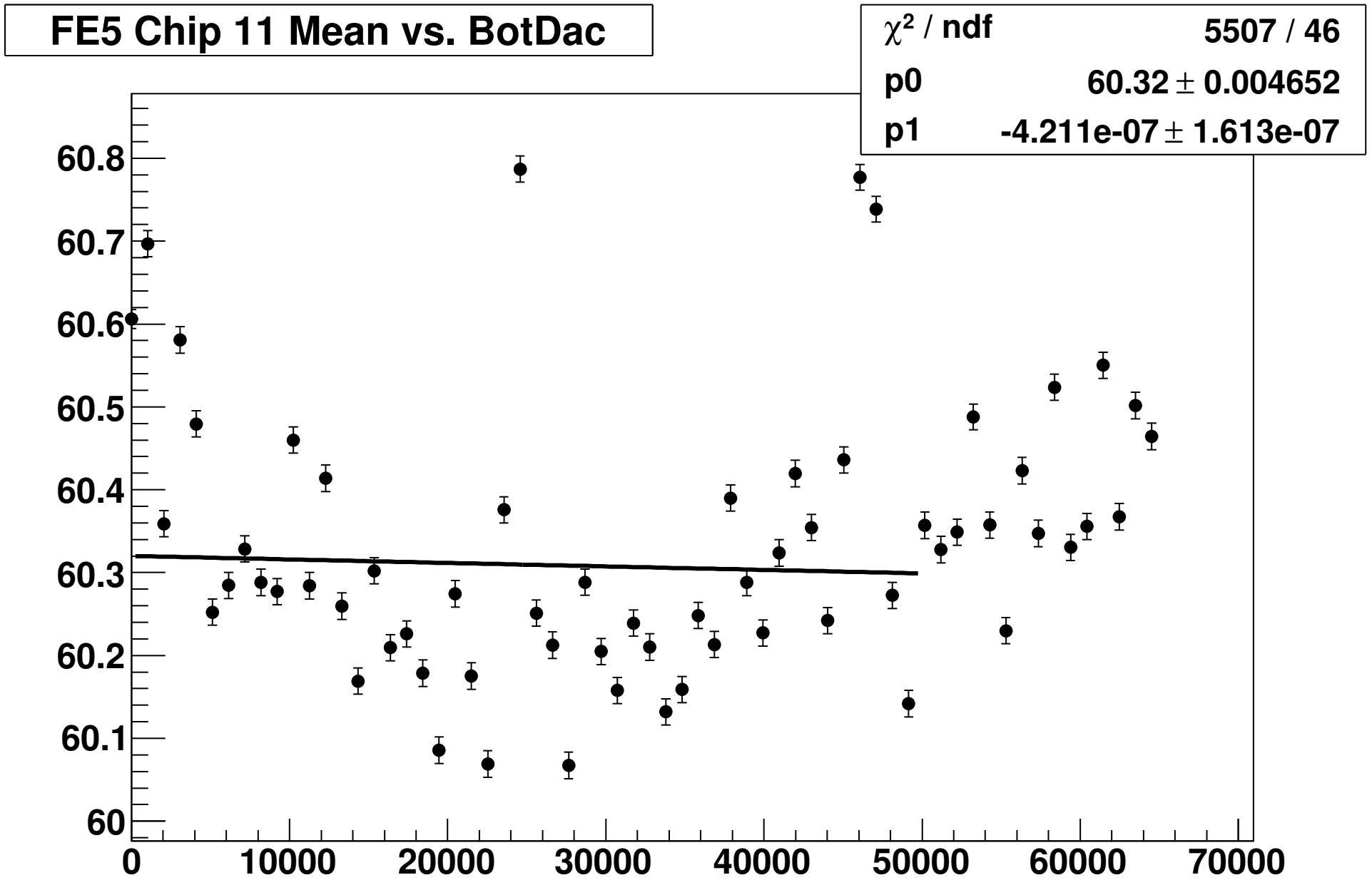
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 841.3 / 46
p0 1.366 ± 0.002601
p1 3.482e-05 ± 1.387e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 5507 / 46
p0 60.32 ± 0.004652
p1 -4.211e-07 ± 1.613e-07
60.8
60.7
60.6
60.5
60.4
60.3
60.2
60.1
60
0
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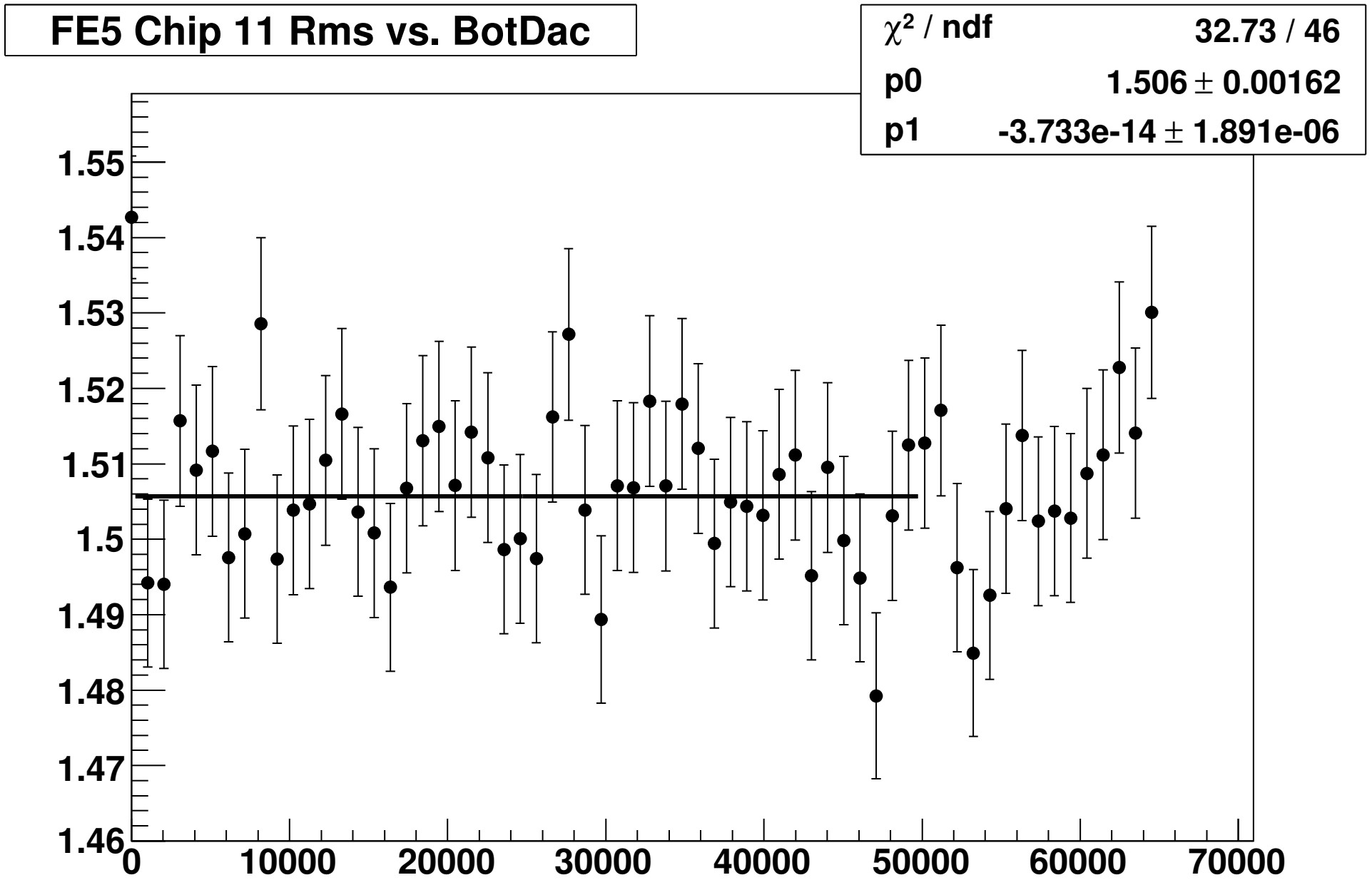
FE5 Chip 11 Rms vs. BotDac
χ² / ndf 32.73 / 46
p0 1.506 ± 0.00162
p1 -3.733e-14 ± 1.891e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
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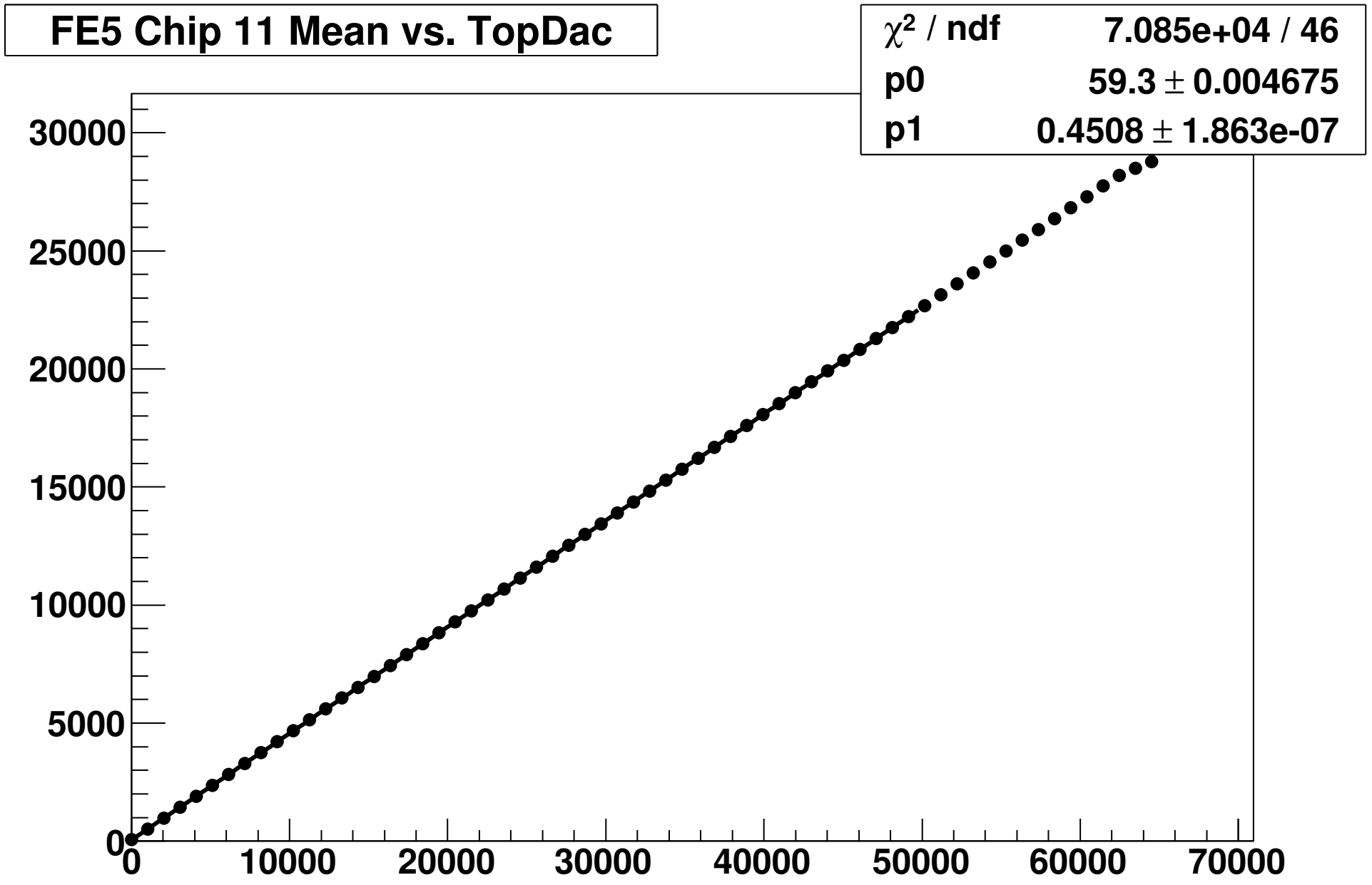
FE5 Chip 11 Mean vs. TopDac
χ² / ndf 7.085e+04 / 46
p0 59.3 ± 0.004675
p1 0.4508 ± 1.863e-07
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20000
15000
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5000
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10000
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60000
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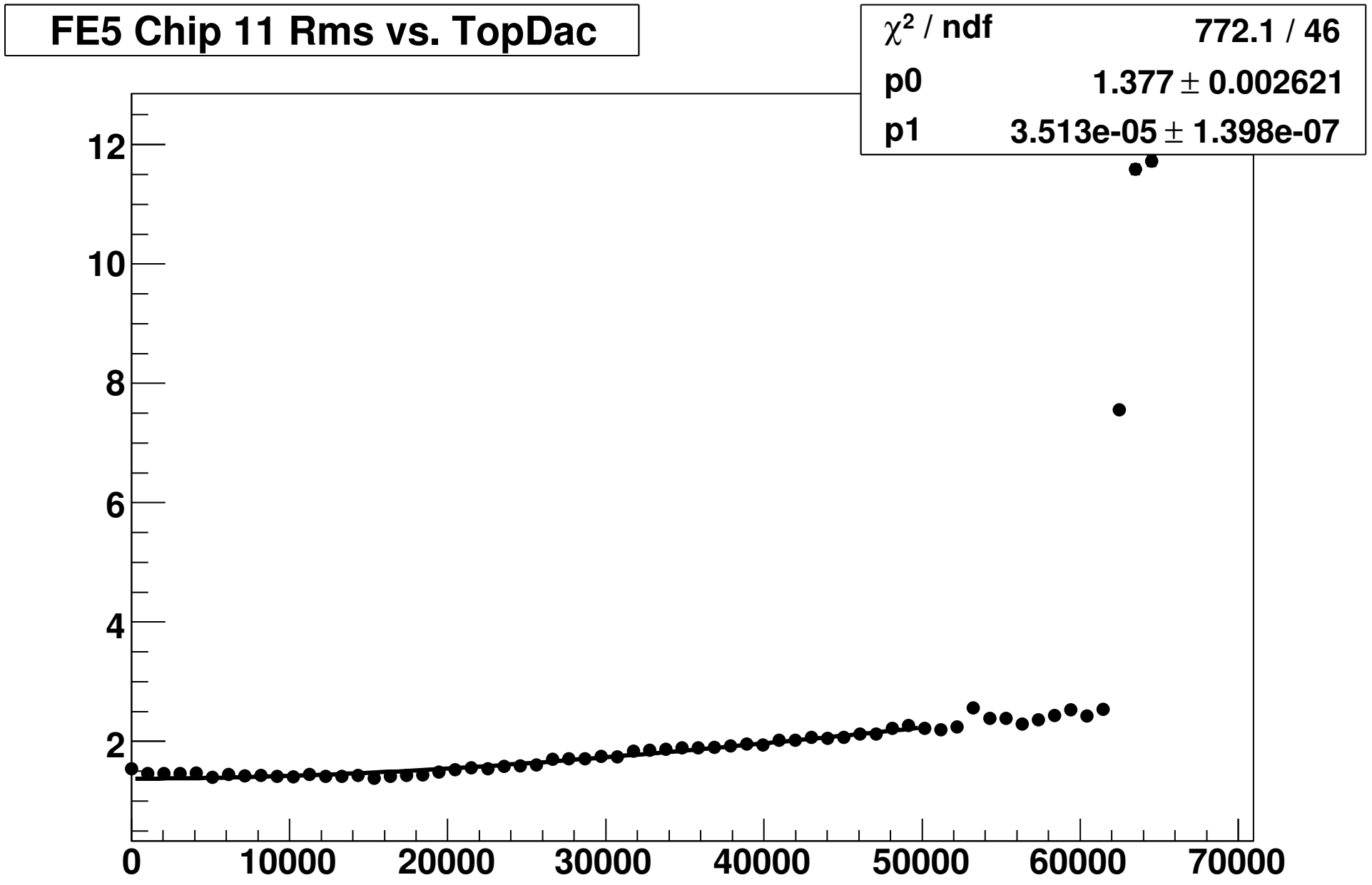
FE5 Chip 11 Rms vs. TopDac
χ² / ndf 772.1 / 46
p0 1.377 ± 0.002621
p1 3.513e-05 ± 1.398e-07
12
10
8
6
4
2
0
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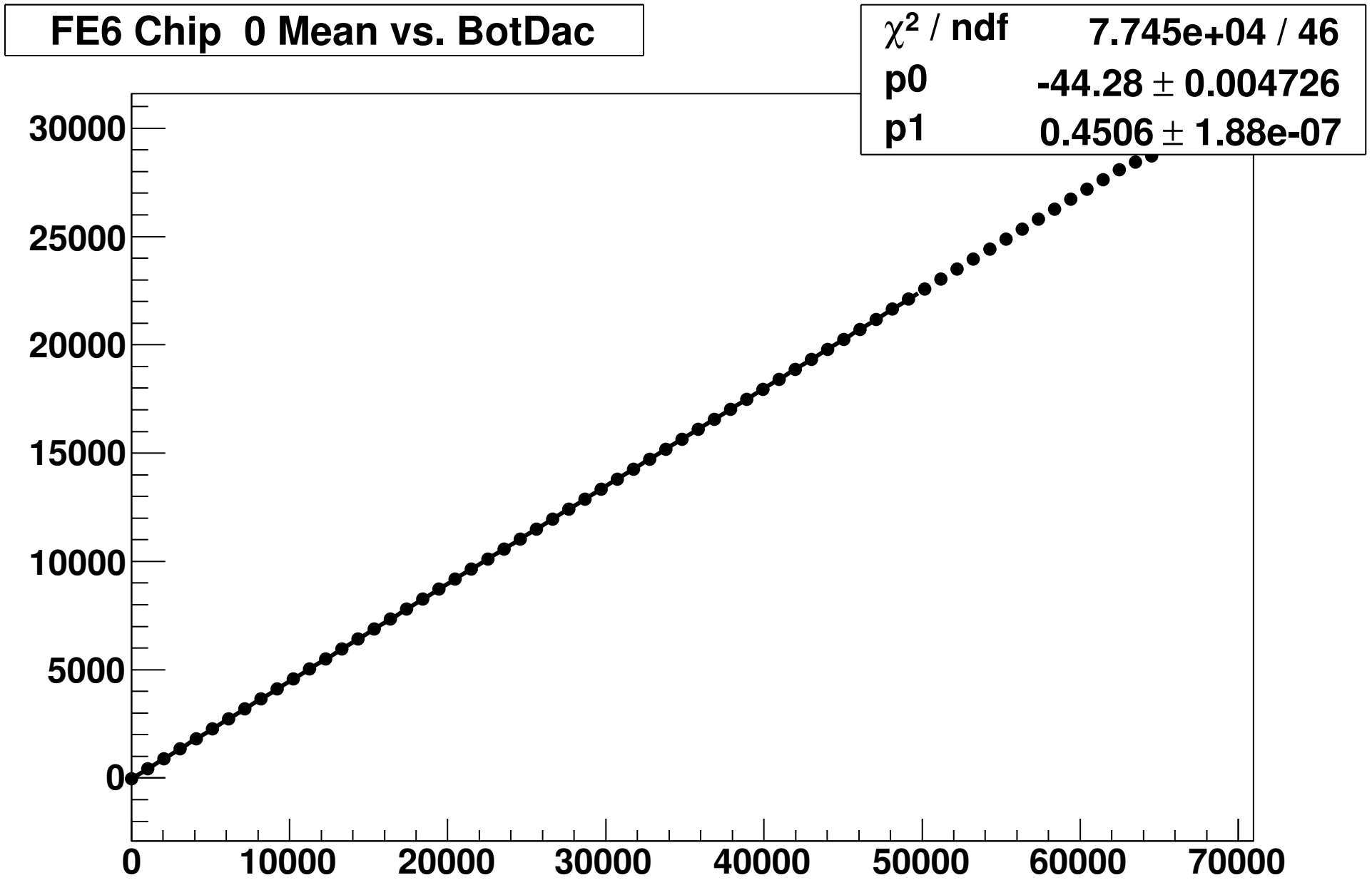
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 7.745e+04 / 46
p0 -44.28 ± 0.004726
p1 0.4506 ± 1.88e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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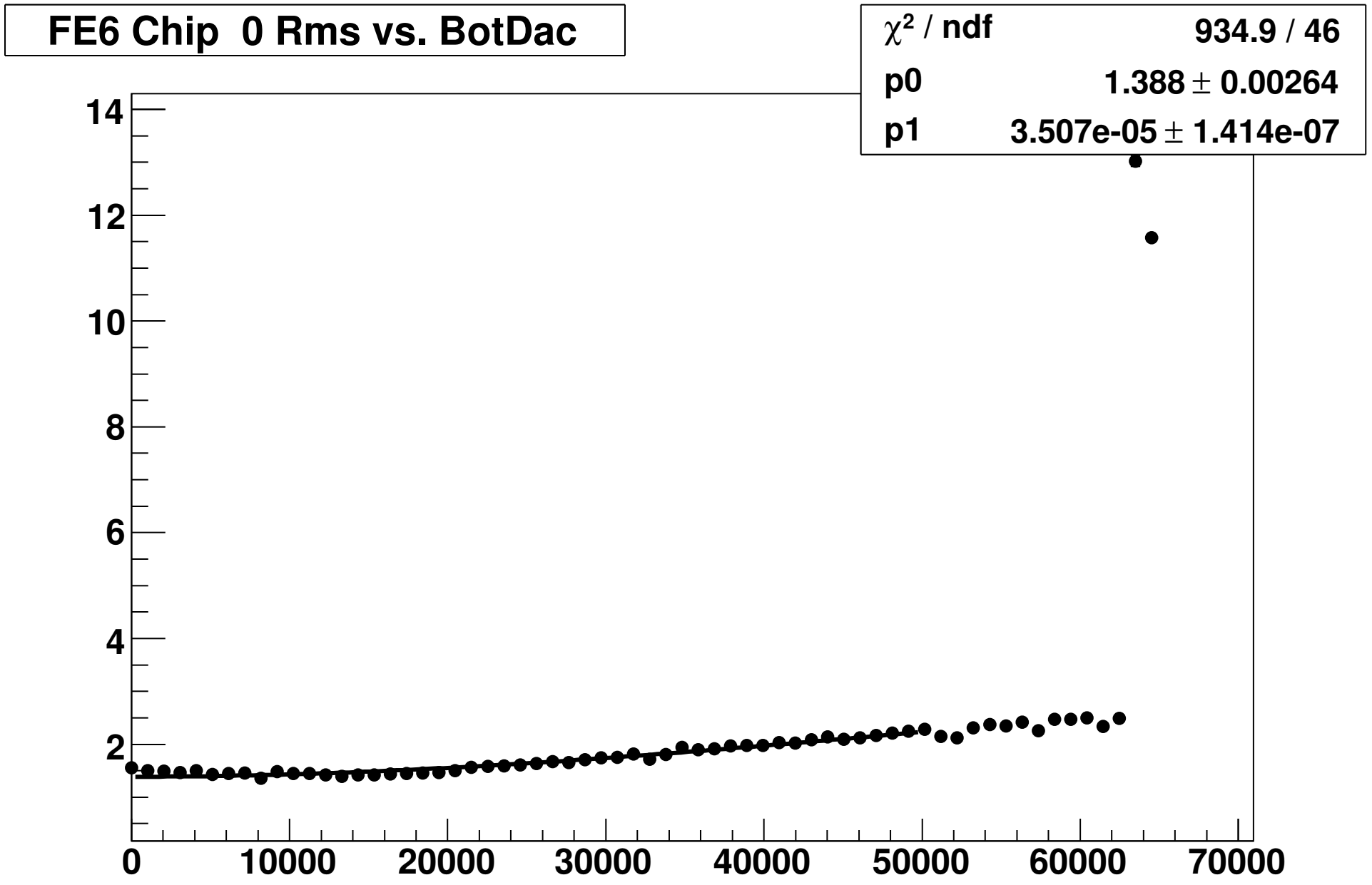
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 934.9 / 46
p0 1.388 ± 0.00264
p1 3.507e-05 ± 1.414e-07
14
12
10
8
6
4
2
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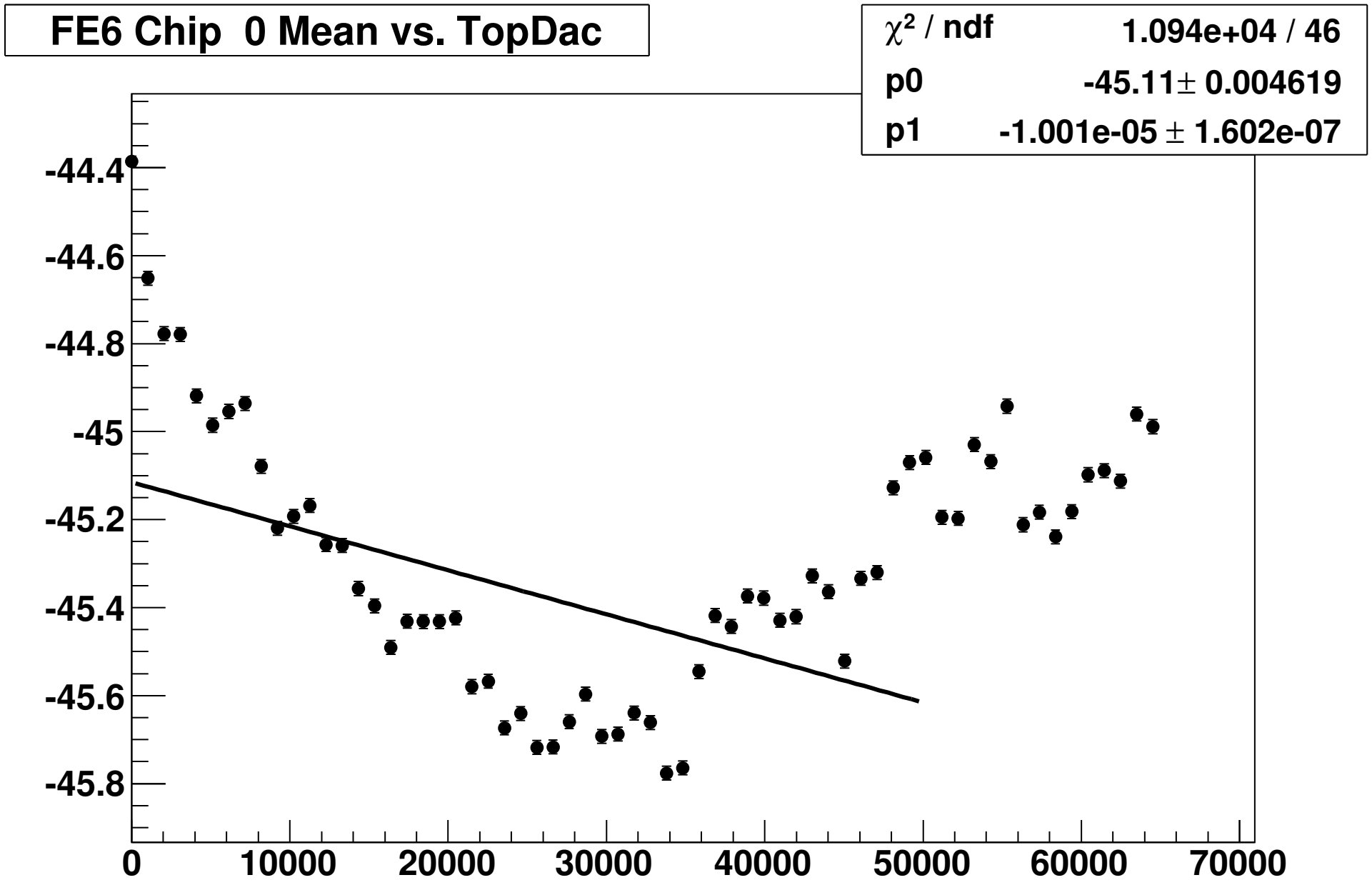
FE6 Chip 0 Mean vs. TopDac
χ² / ndf 1.094e+04 / 46
p0 -45.11 ± 0.004619
p1 -1.001e-05 ± 1.602e-07
-44.4
-44.6
-44.8
-45
-45.2
-45.4
-45.6
-45.8
0
10000
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50000
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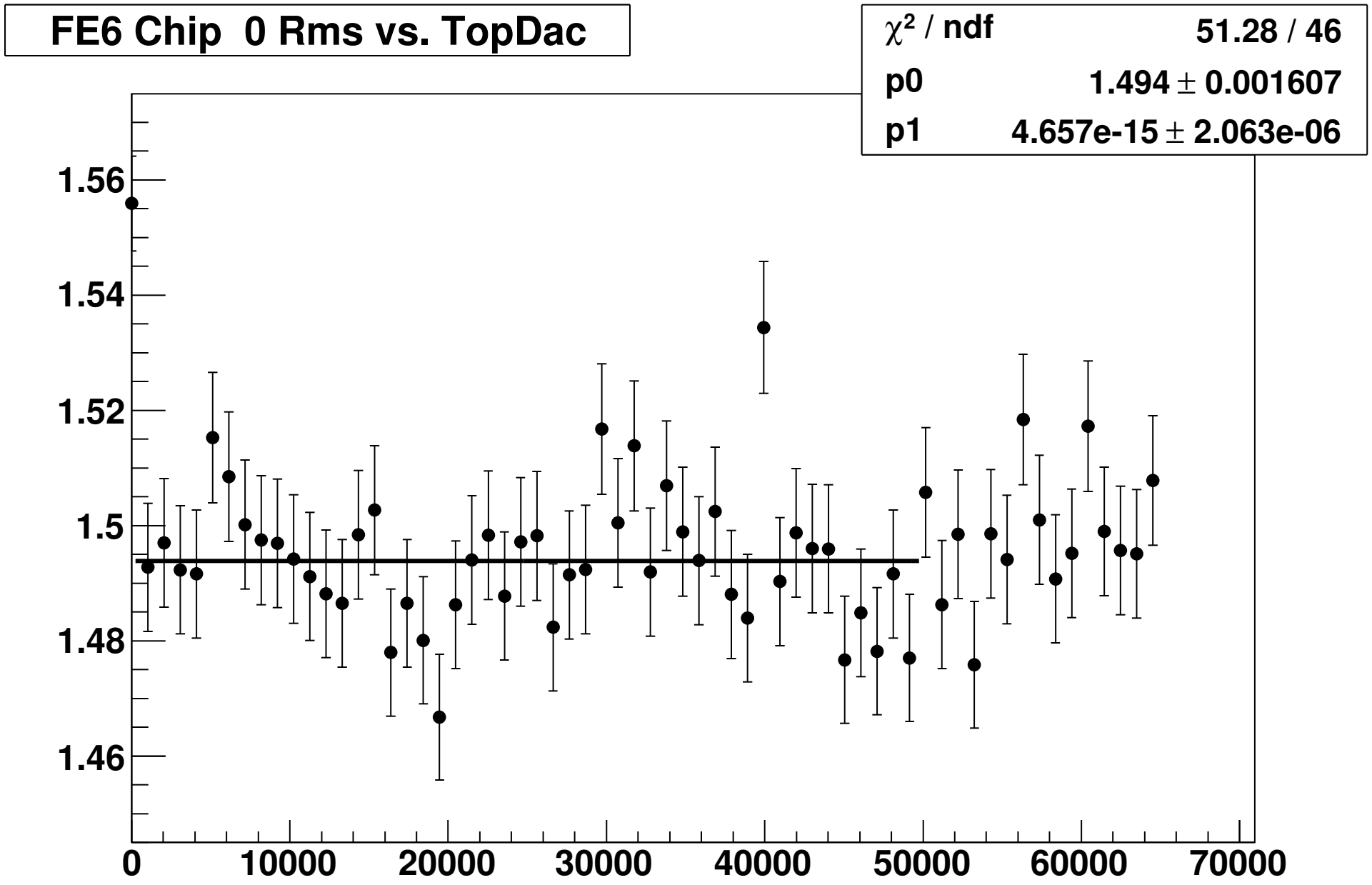
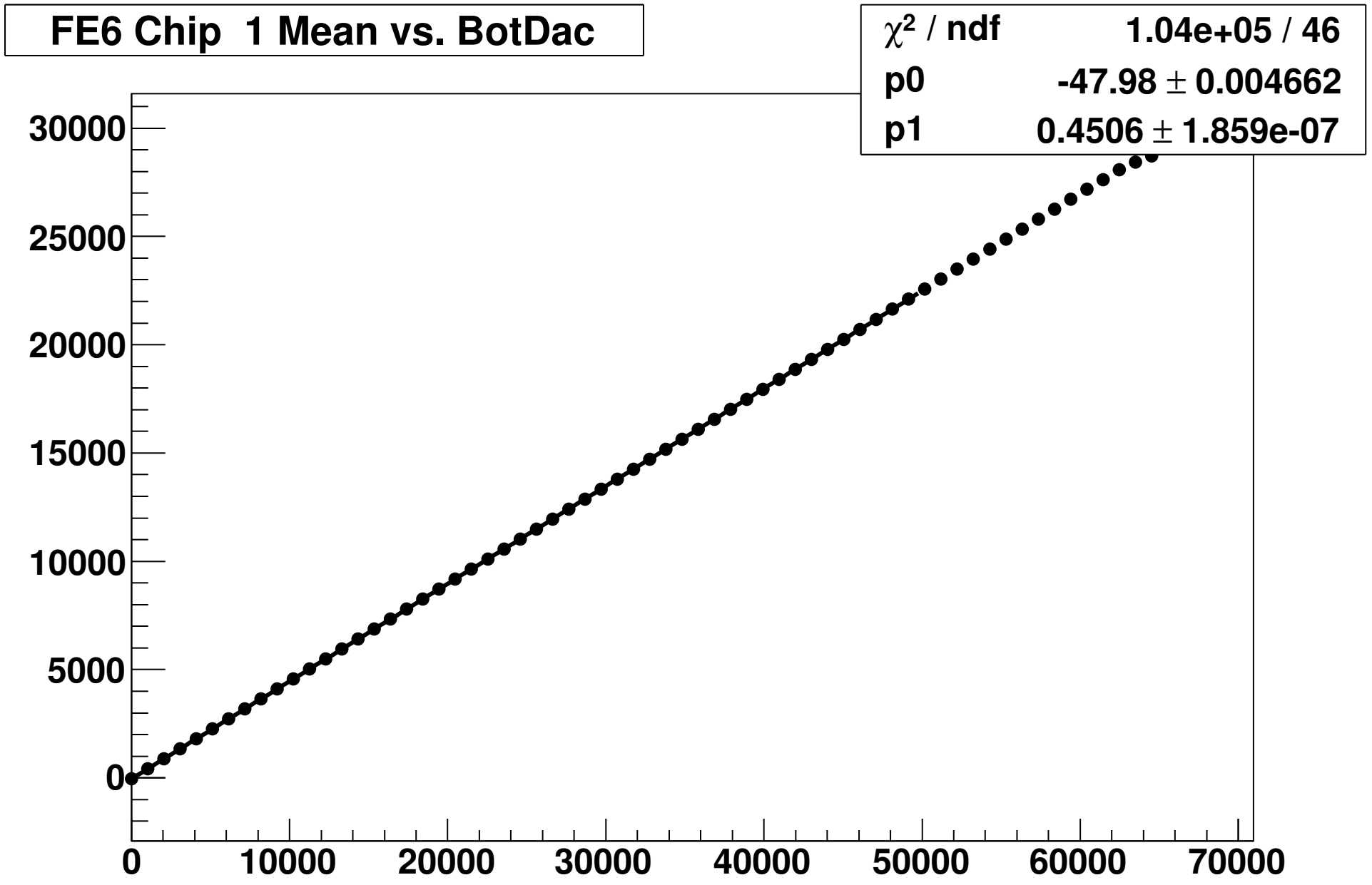

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 51.28 / 46
p0 1.494 ± 0.001607
p1 4.657e-15 ± 2.063e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.04e+05 / 46
p0 -47.98 ± 0.004662
p1 0.4506 ± 1.859e-07
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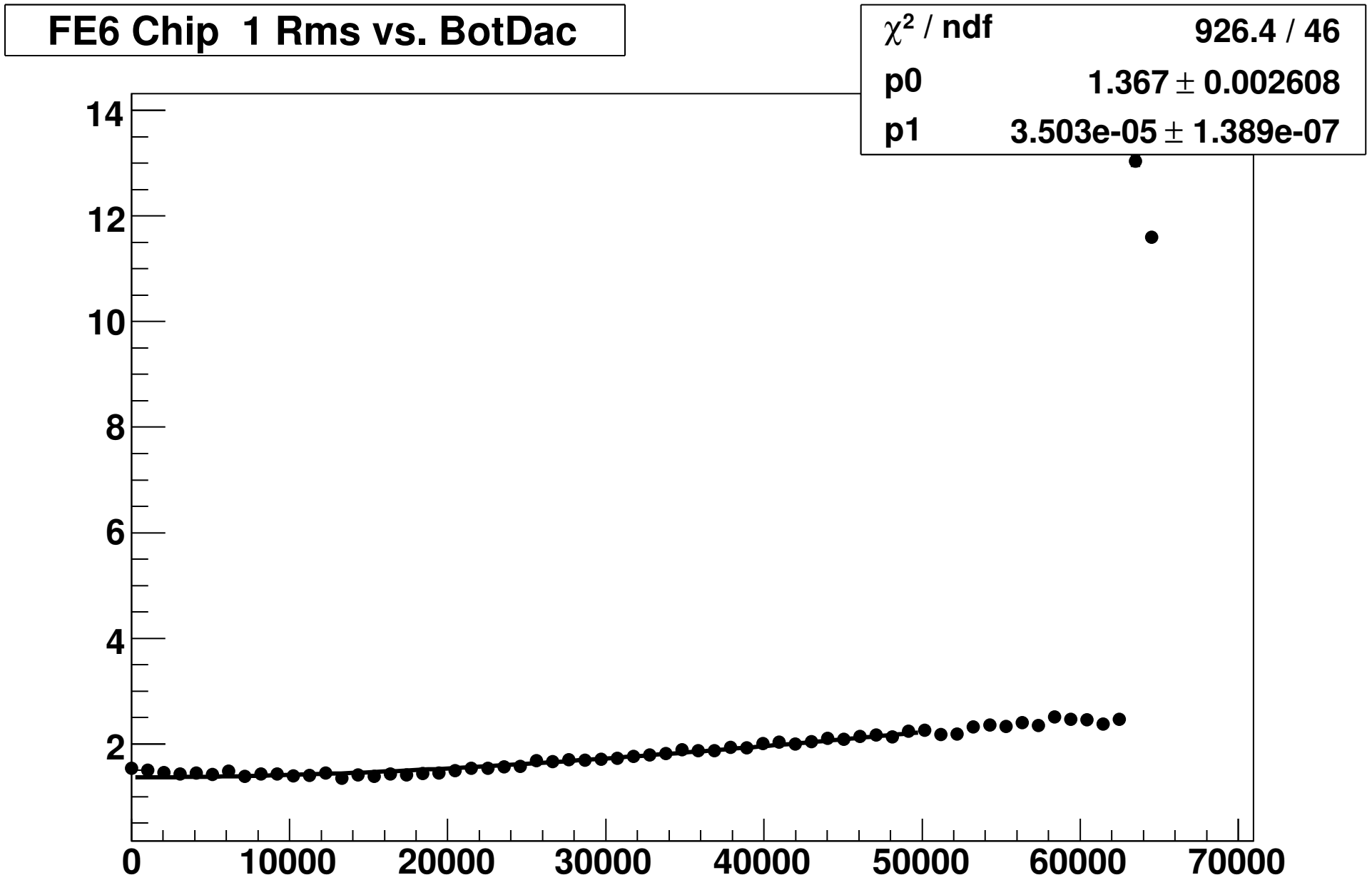
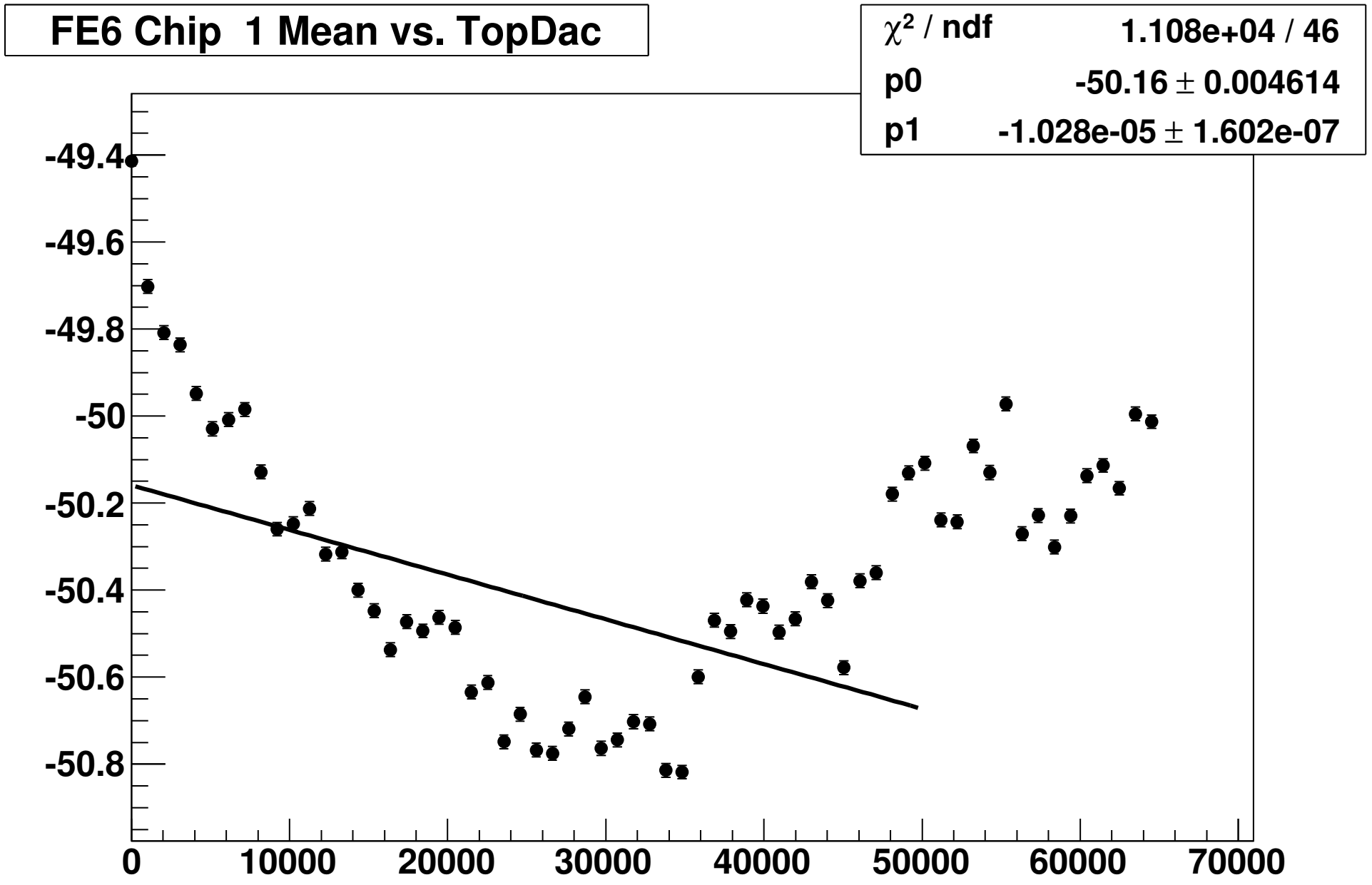
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 926.4 / 46
p0 1.367 ± 0.002608
p1 3.503e-05 ± 1.389e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 1.108e+04 / 46
p0 -50.16 ± 0.004614
p1 -1.028e-05 ± 1.602e-07
-49.4
-49.6
-49.8
-50
-50.2
-50.4
-50.6
-50.8
0
10000
20000
30000
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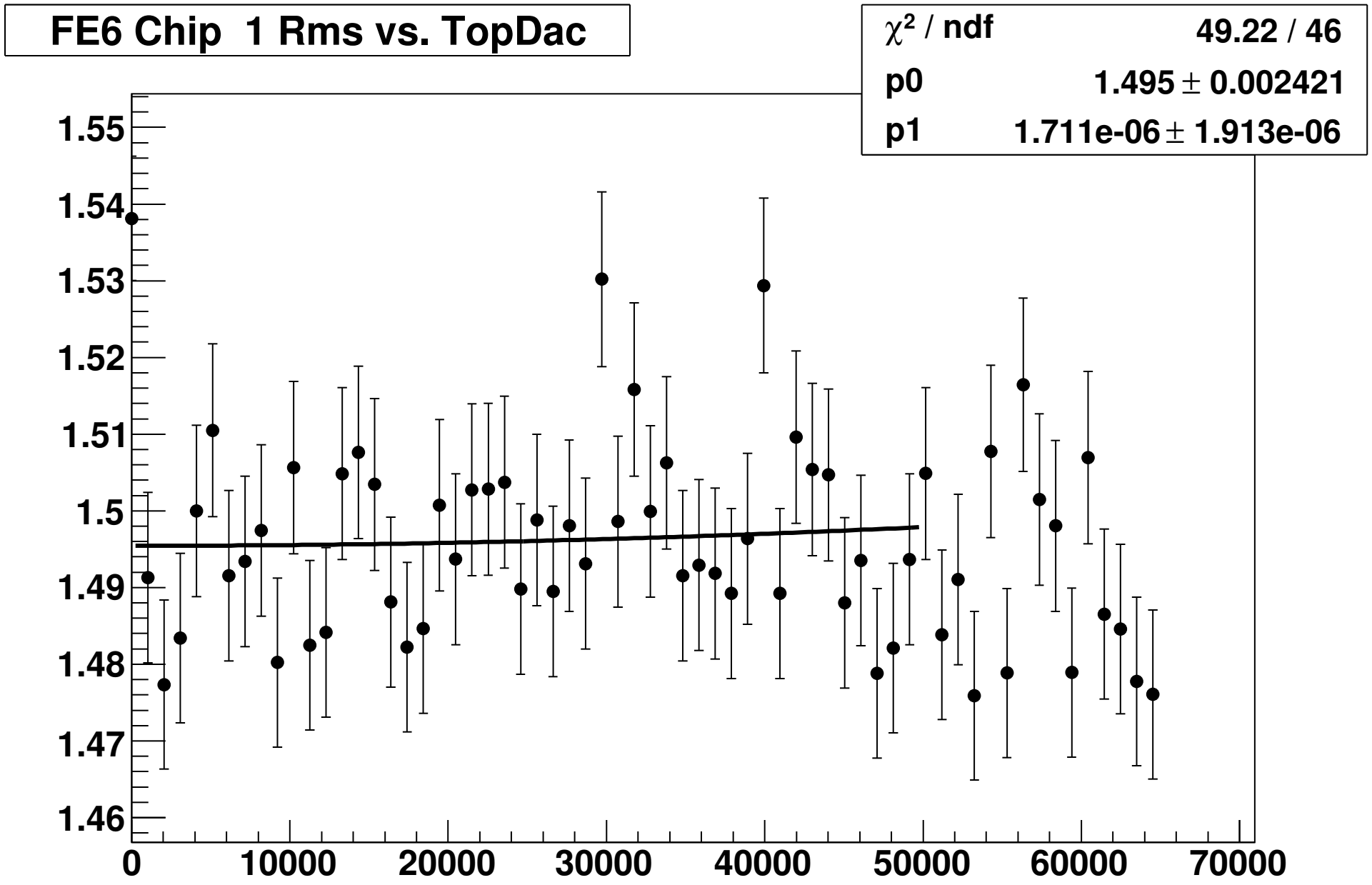
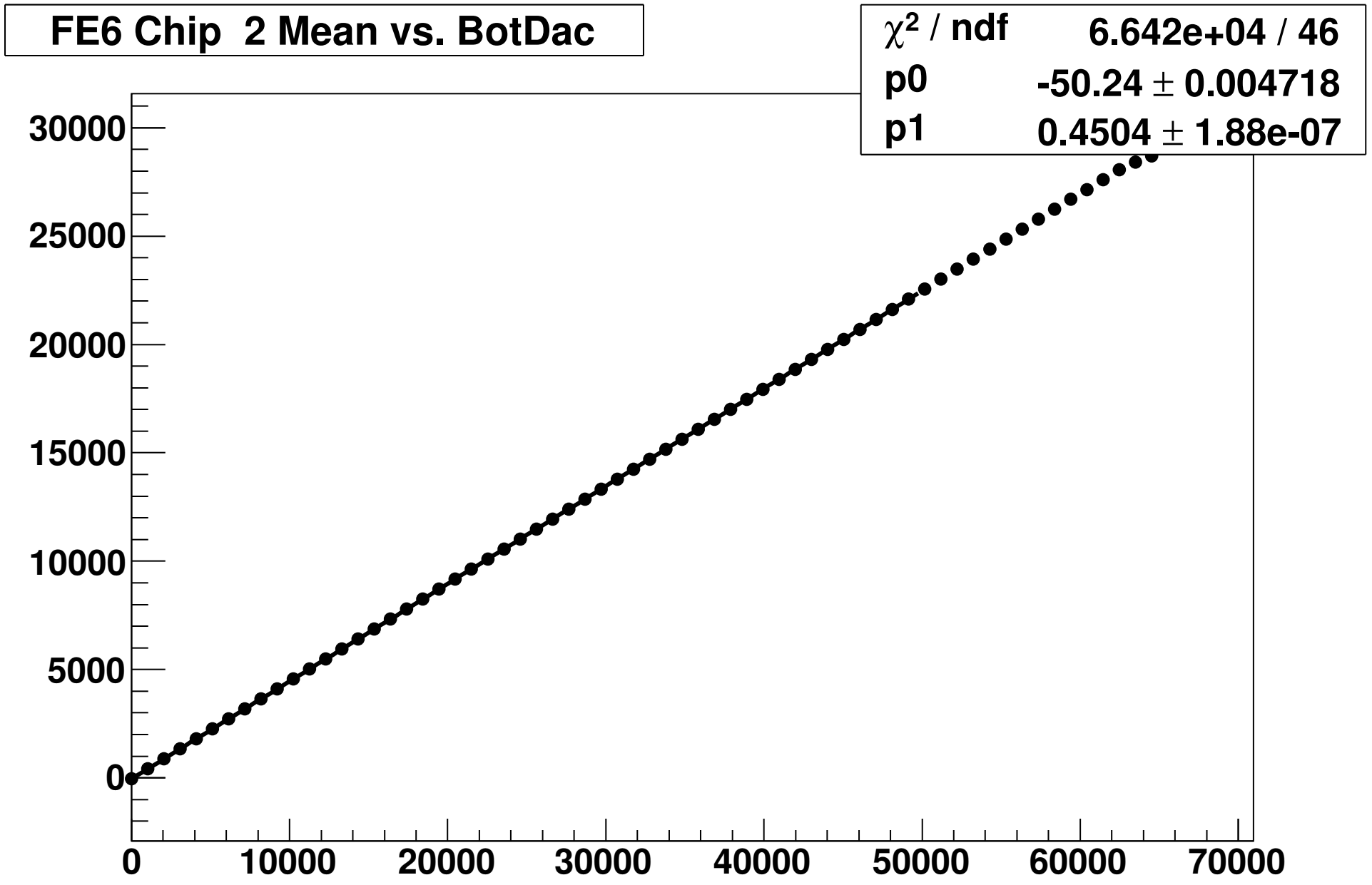
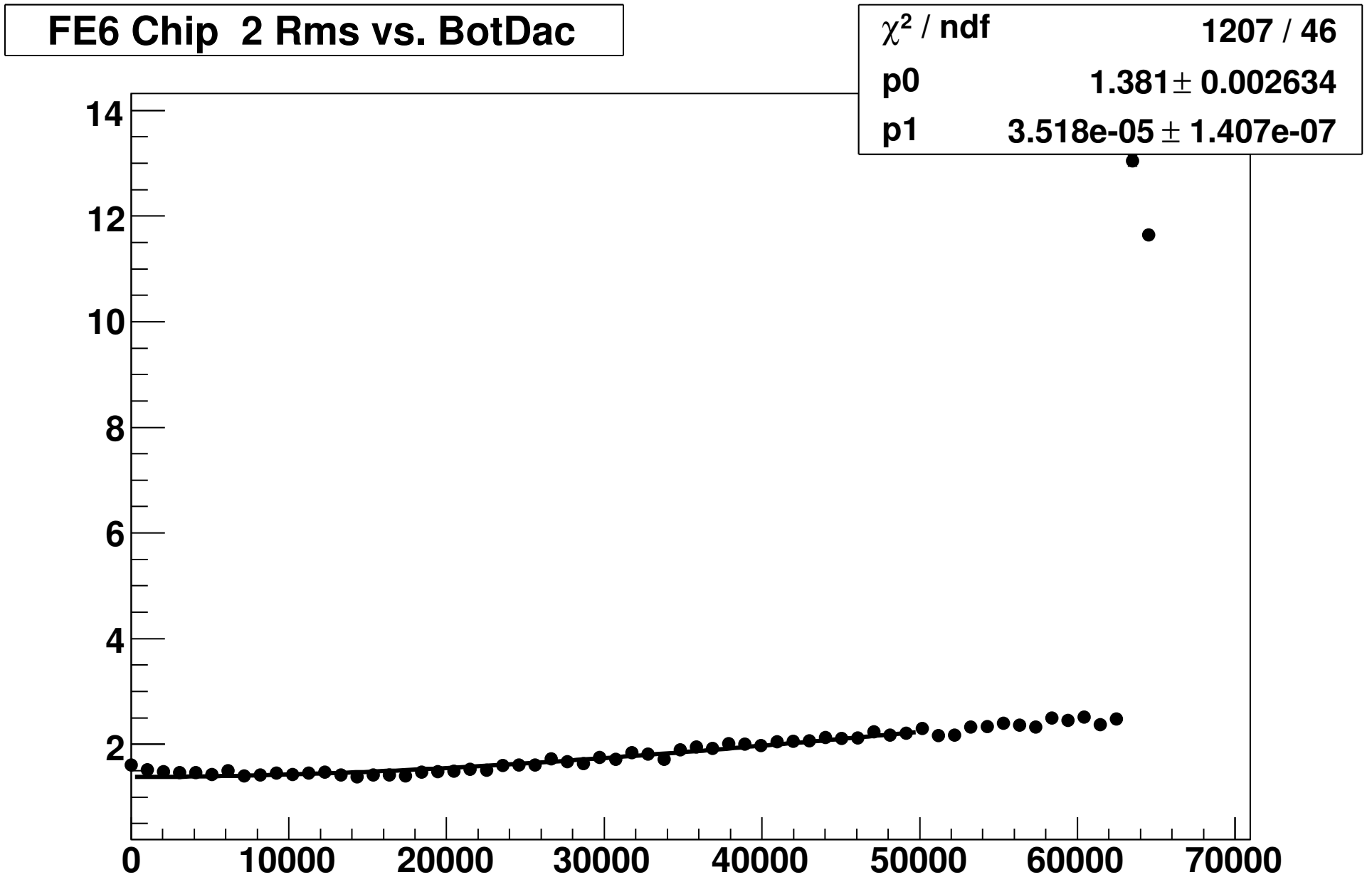
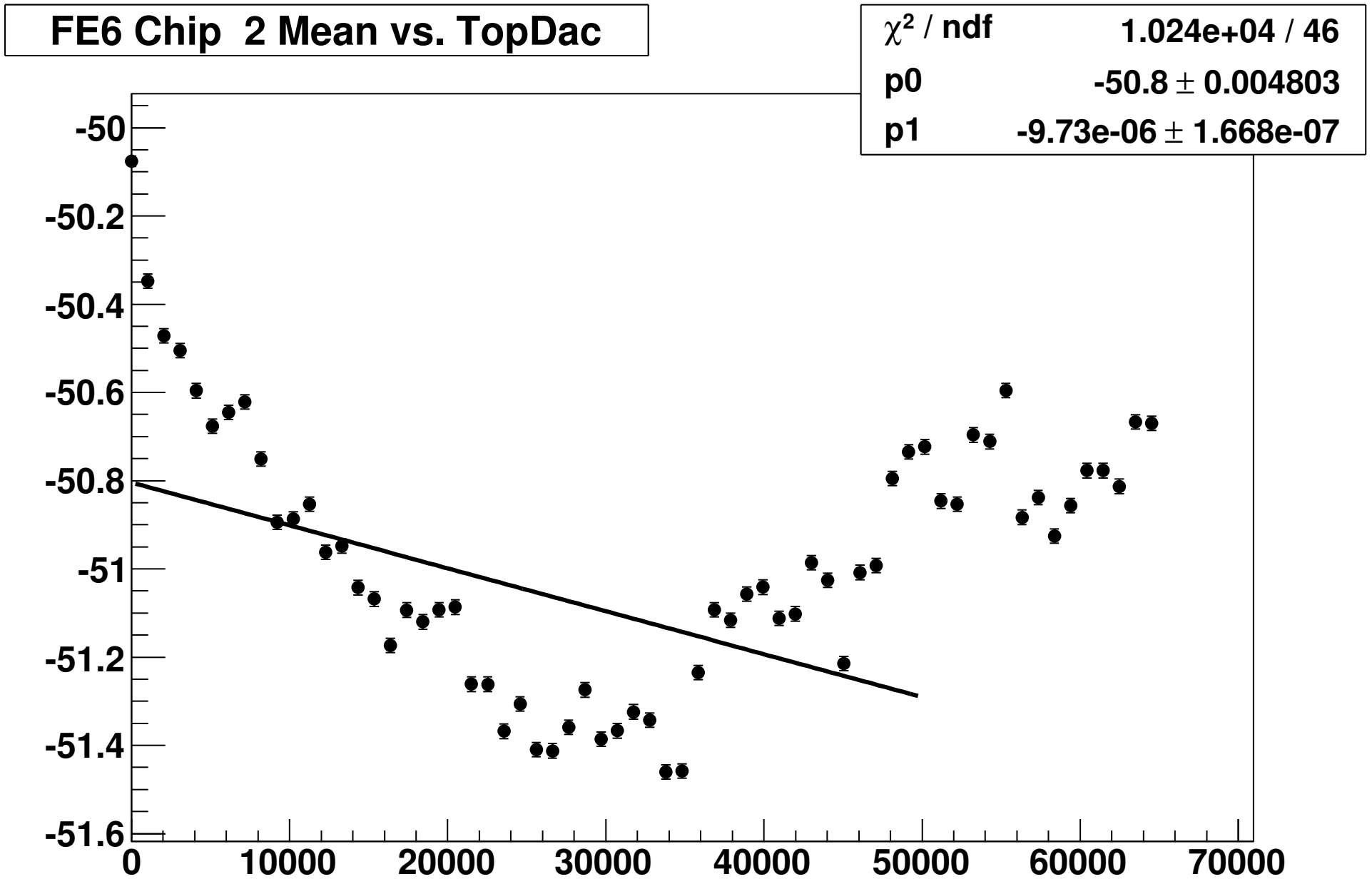
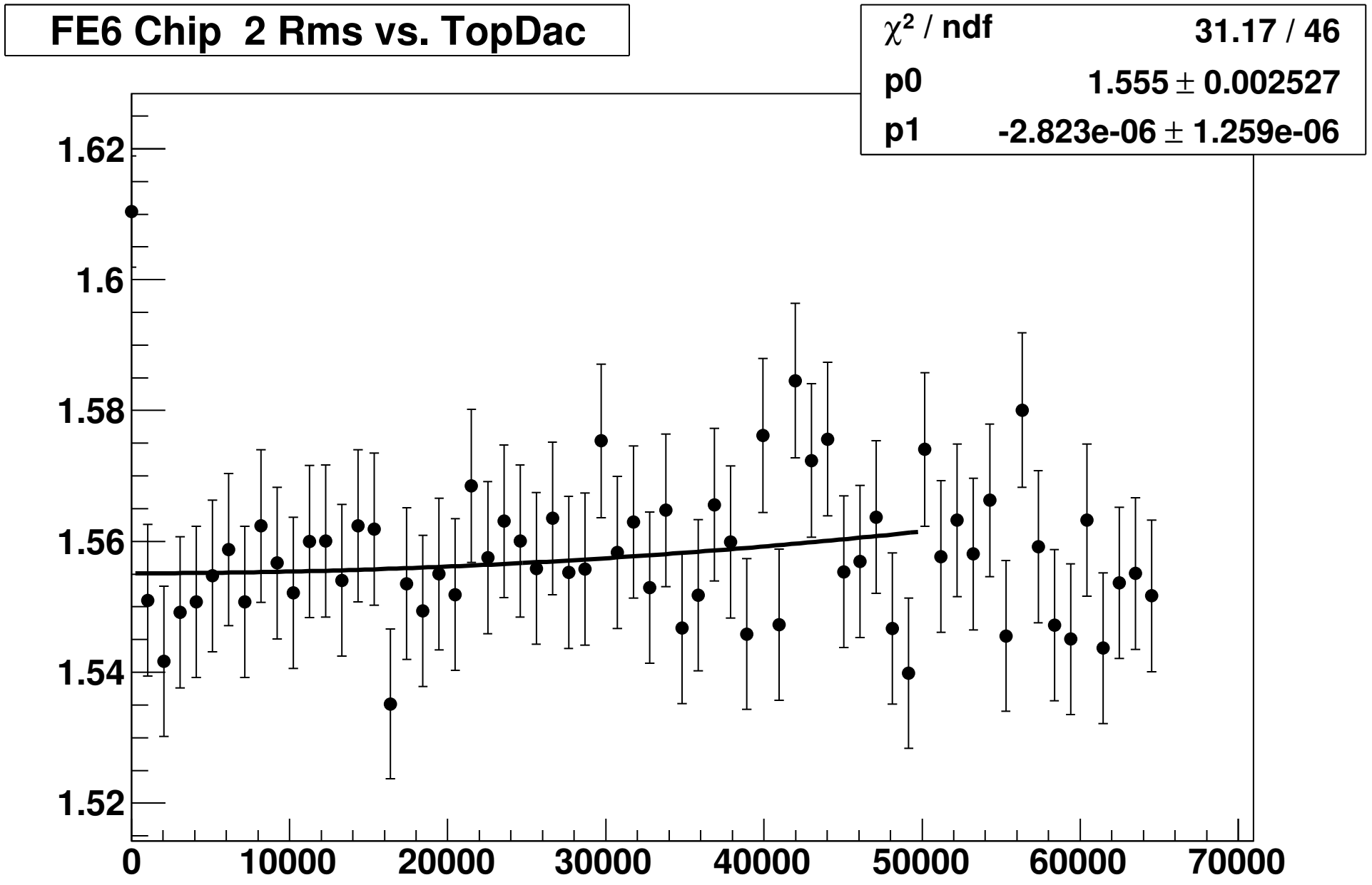
50000
60000
70000

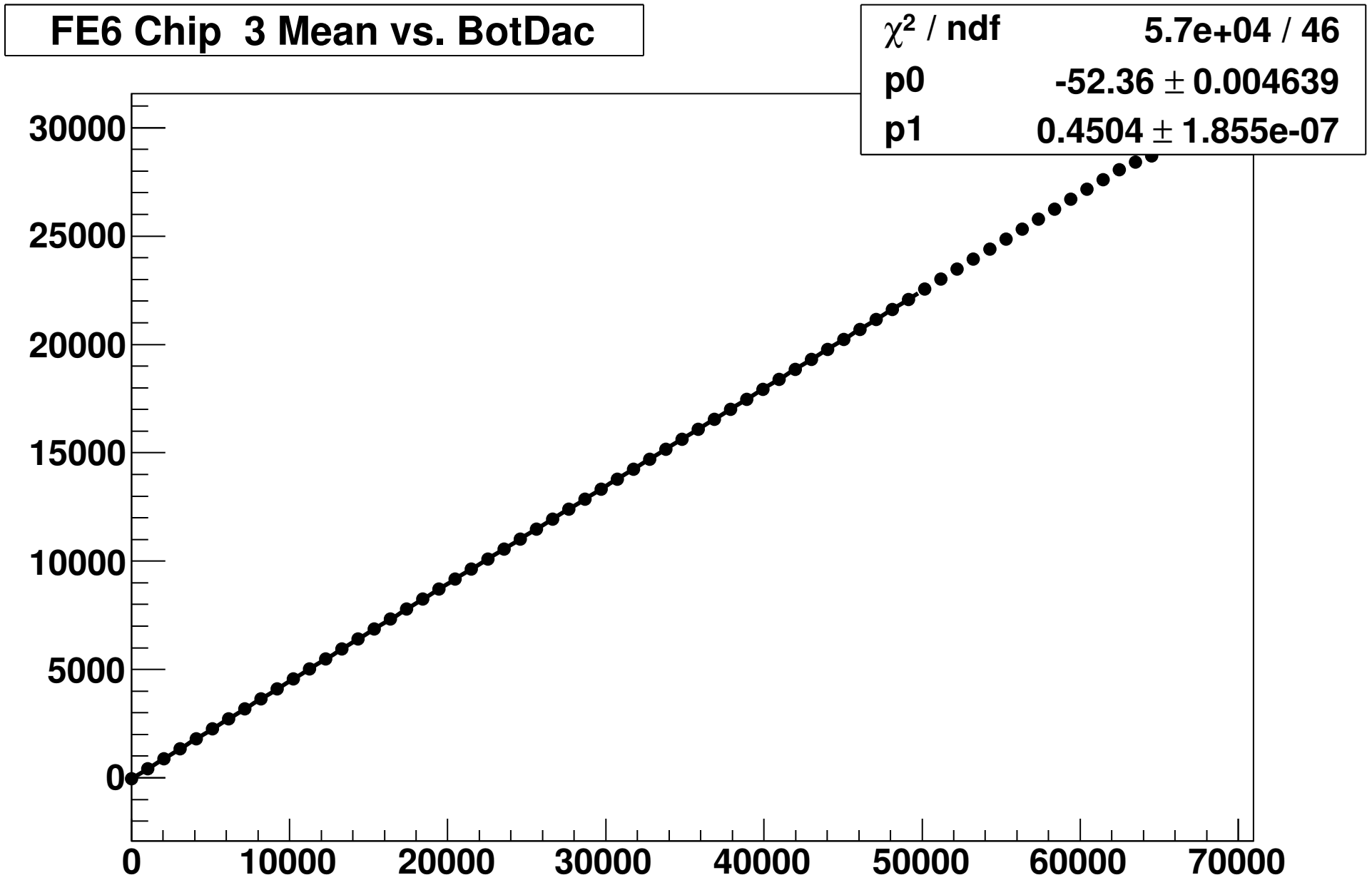

FE6 Chip 1 Rms vs. TopDac
χ² / ndf 49.22 / 46
p0 1.495 ± 0.002421
p1 1.711e-06 ± 1.913e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000

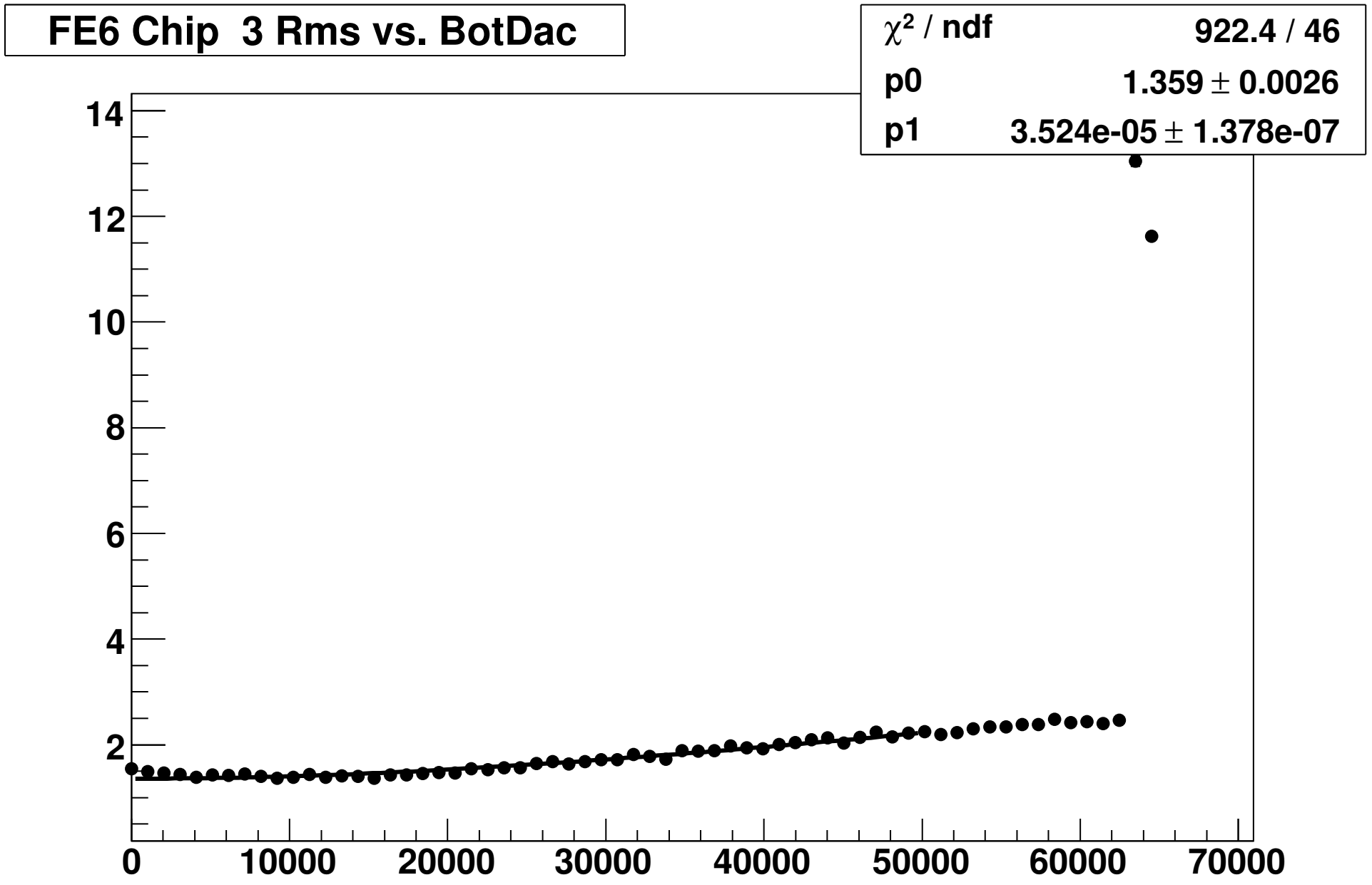

FE6 Chip 2 Mean vs. BotDac
χ² / ndf 6.642e+04 / 46
p0 -50.24 ± 0.004718
p1 0.4504 ± 1.88e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

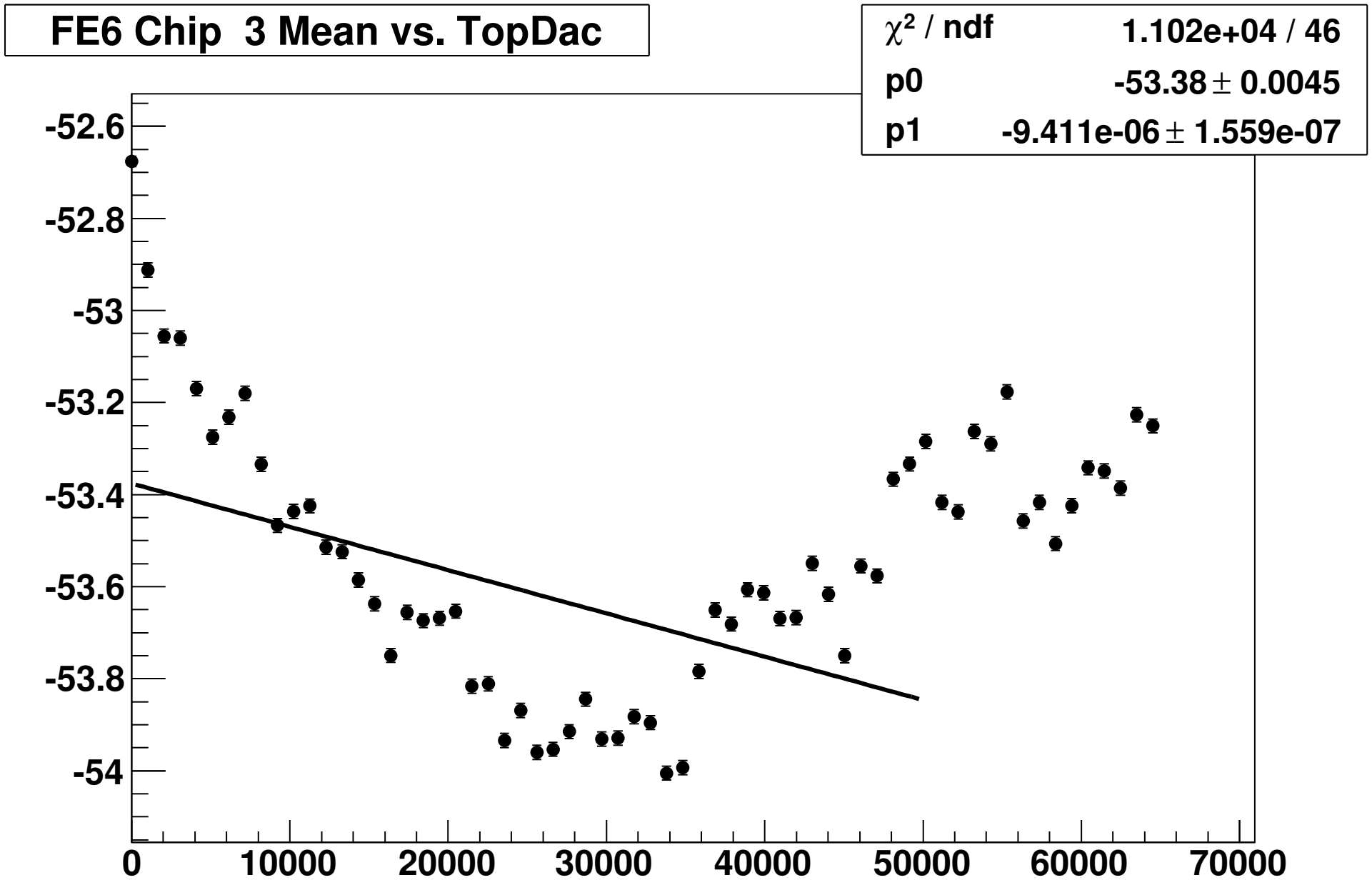

FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1207 / 46
p0 1.381 ± 0.002634
p1 3.518e-05 ± 1.407e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

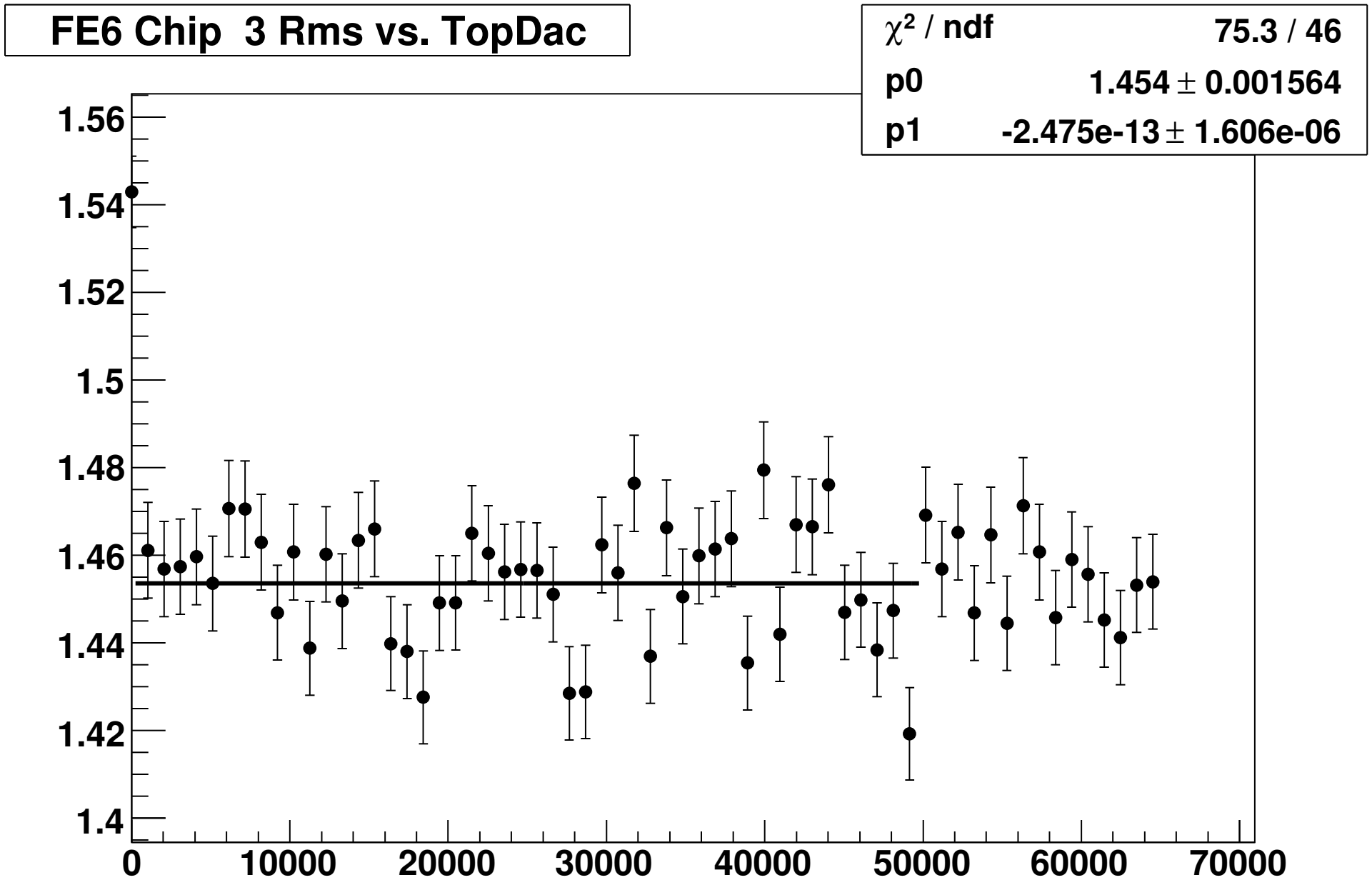

FE6 Chip 2 Mean vs. TopDac
χ² / ndf 1.024e+04 / 46
p0 -50.8 ± 0.004803
p1 -9.73e-06 ± 1.668e-07
-50
-50.2
-50.4
-50.6
-50.8
-51
-51.2
-51.4
-51.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 31.17 / 46
p0 1.555 ± 0.002527
p1 -2.823e-06 ± 1.259e-06
1.62
1.6
1.58
1.56
1.54
1.52
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. BotDac
χ² / ndf 5.7e+04 / 46
p0 -52.36 ± 0.004639
p1 0.4504 ± 1.855e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 922.4 / 46
p0 1.359 ± 0.0026
p1 3.524e-05 ± 1.378e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 1.102e+04 / 46
p0 -53.38 ± 0.0045
p1 -9.411e-06 ± 1.559e-07
-52.6
-52.8
-53
-53.2
-53.4
-53.6
-53.8
-54
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. TopDac
χ² / ndf 75.3 / 46
p0 1.454 ± 0.001564
p1 -2.475e-13 ± 1.606e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
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50000
60000
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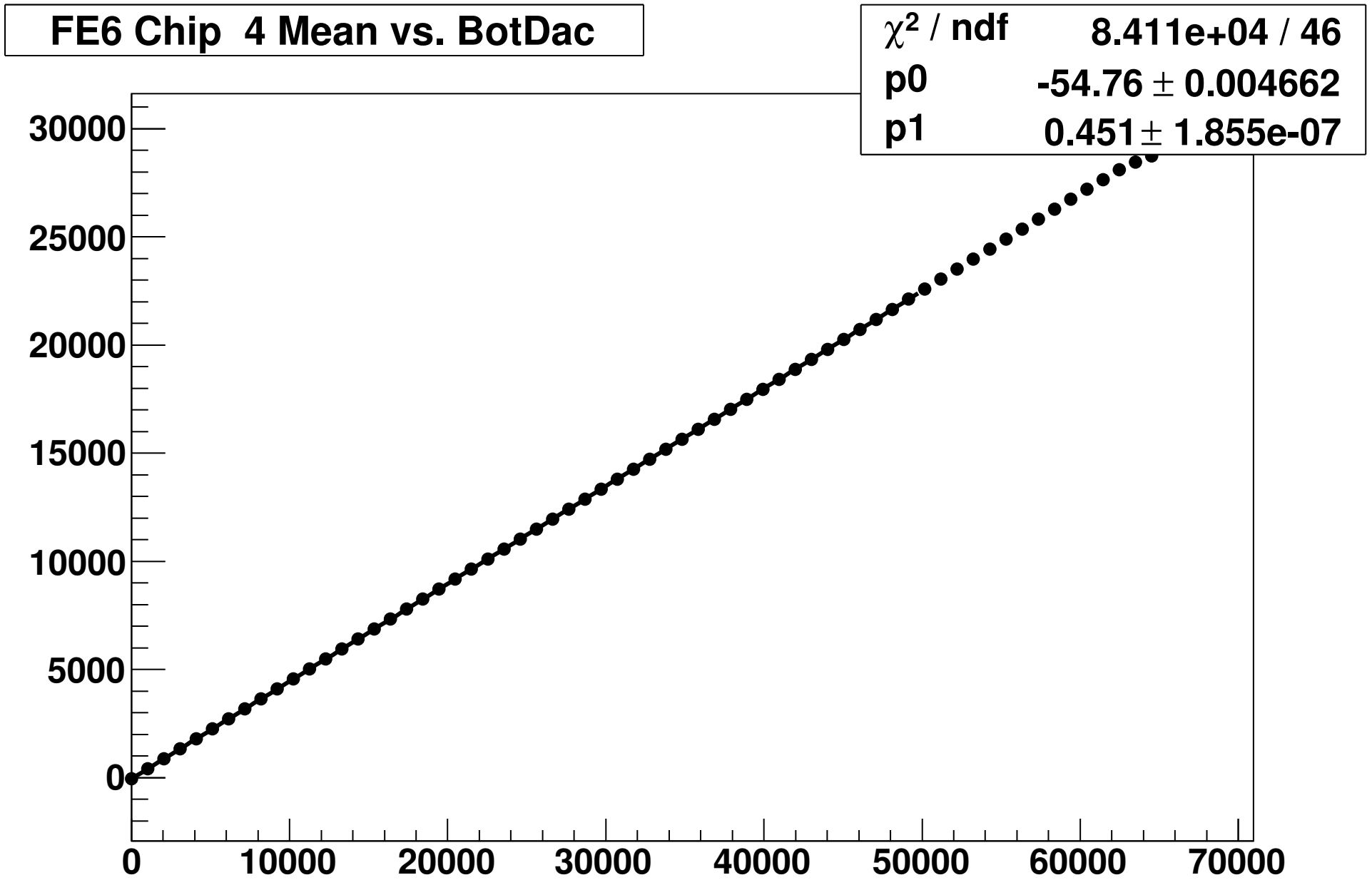
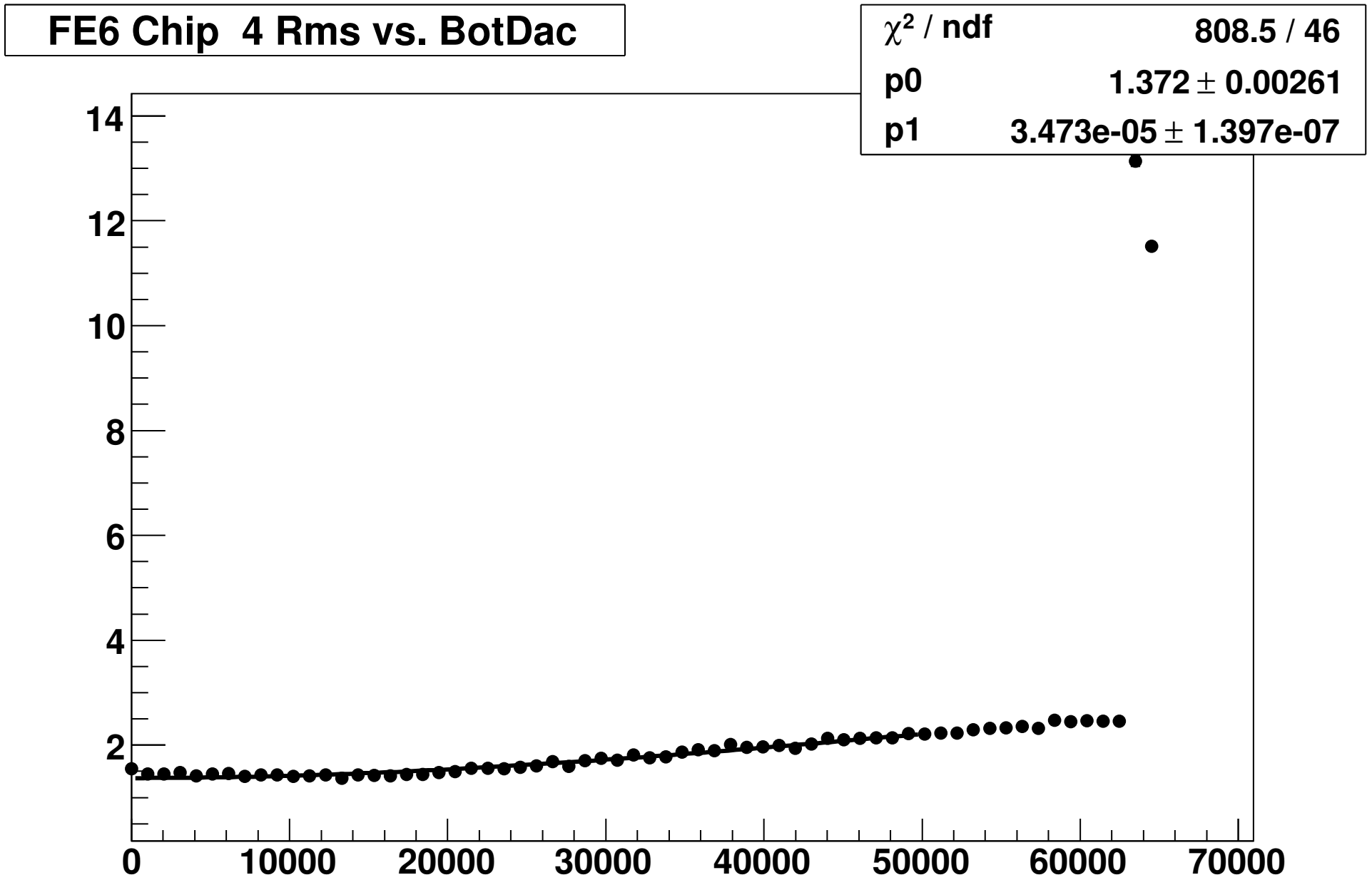
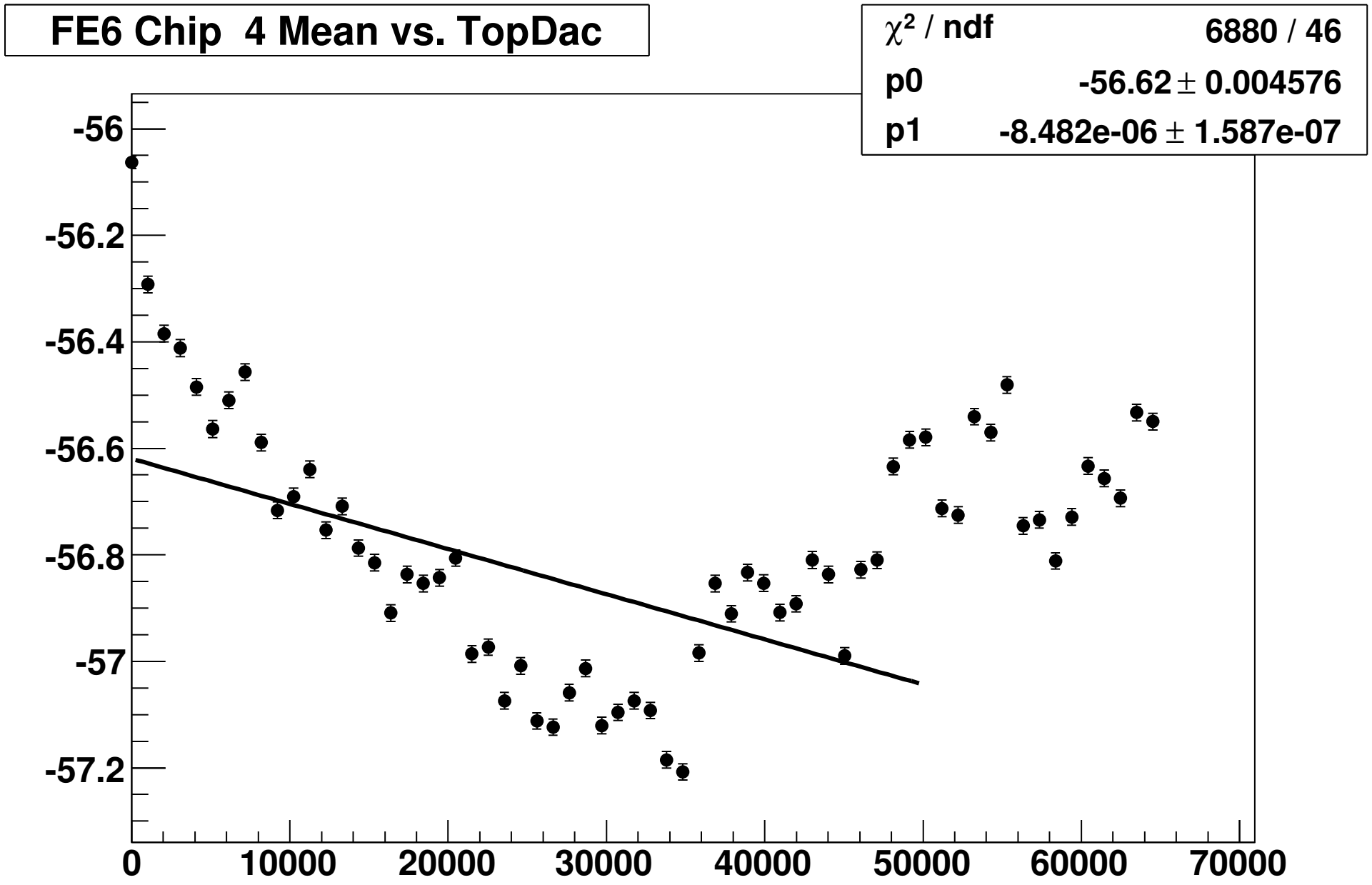
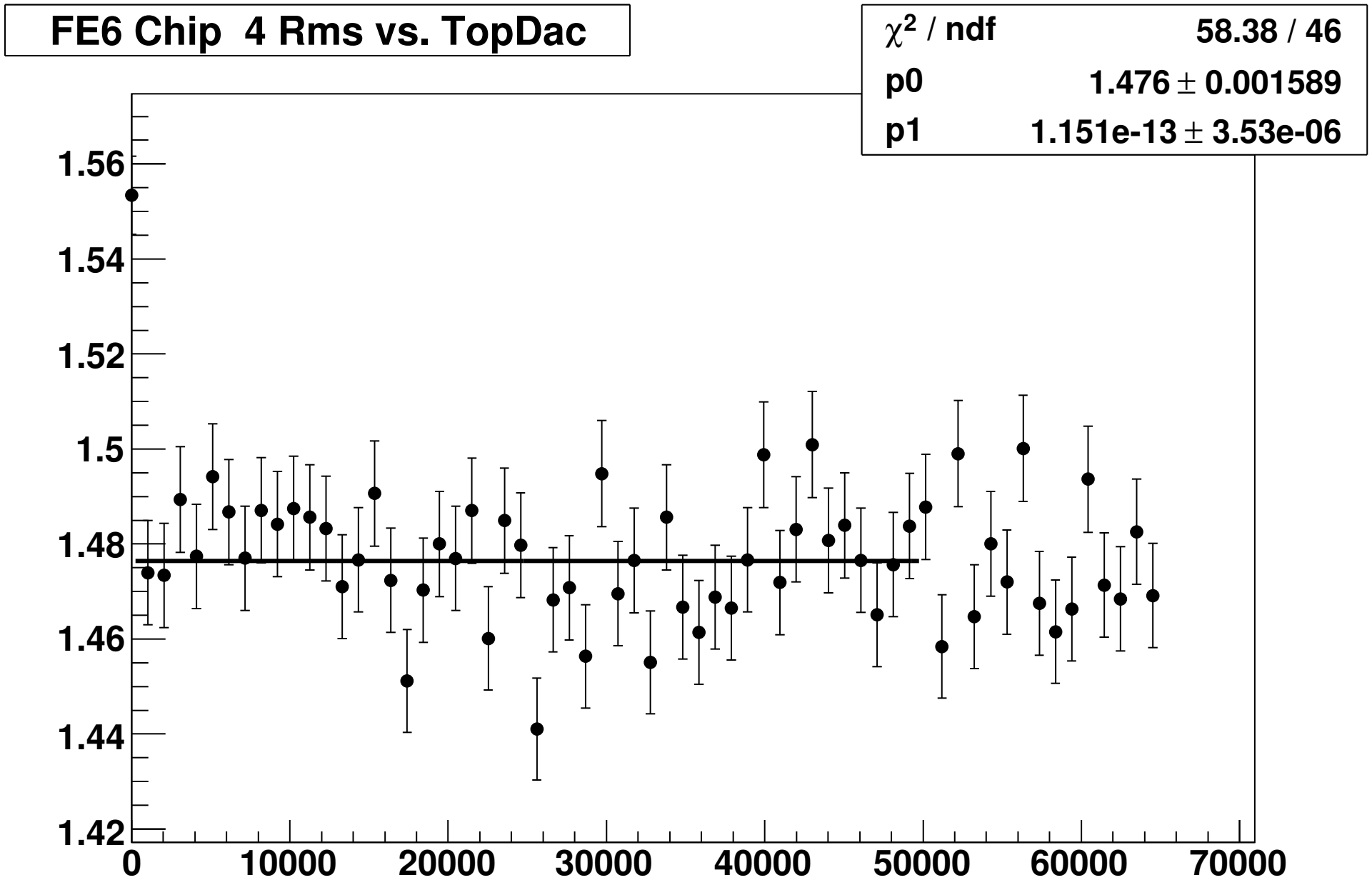
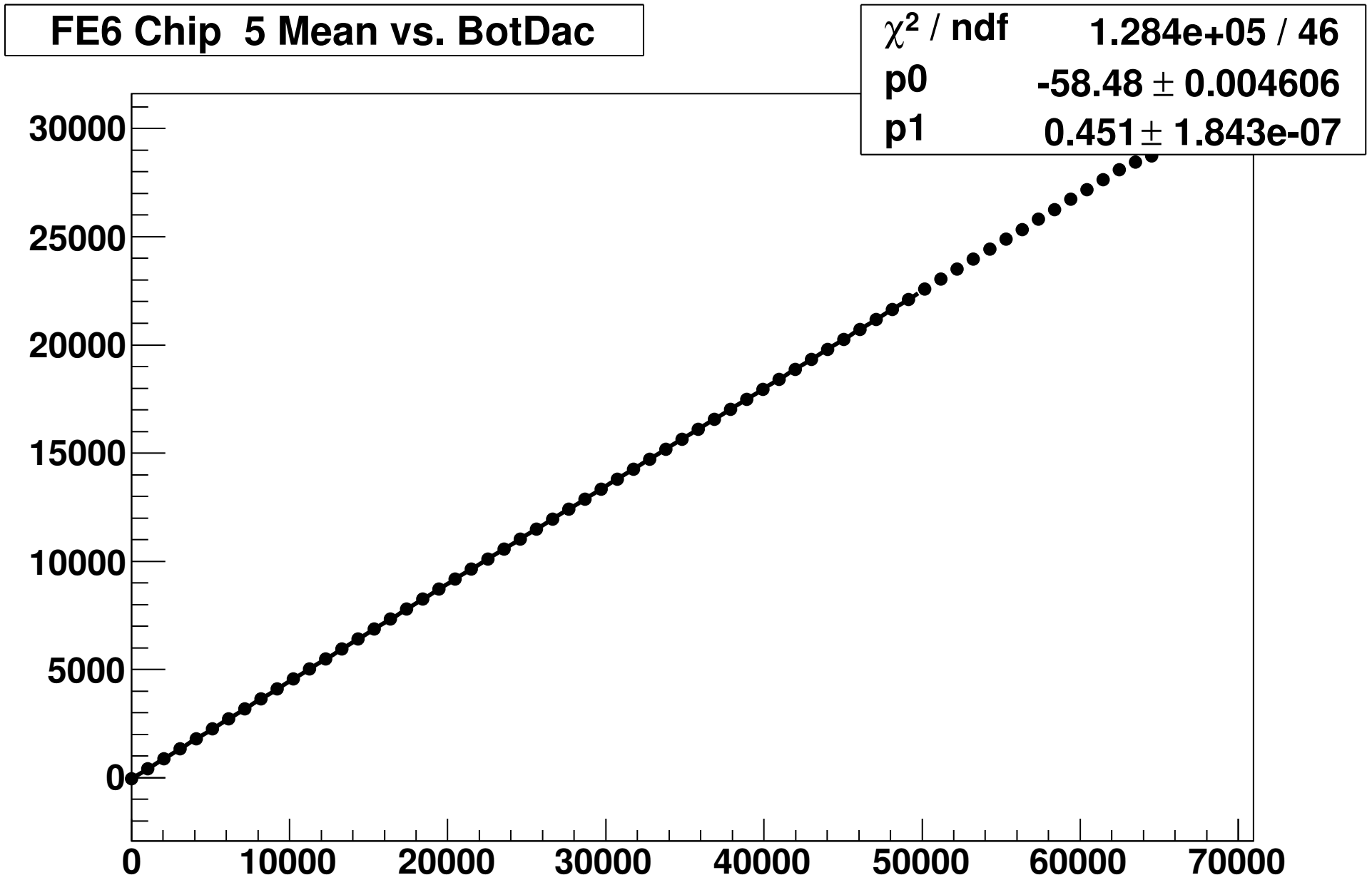

FE6 Chip 4 Mean vs. BotDac
χ² / ndf 8.411e+04 / 46
p0 -54.76 ± 0.004662
p1 0.451 ± 1.855e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 808.5 / 46
p0 1.372 ± 0.00261
p1 3.473e-05 ± 1.397e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 6880 / 46
p0 -56.62 ± 0.004576
p1 -8.482e-06 ± 1.587e-07
-56
-56.2
-56.4
-56.6
-56.8
-57
-57.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 58.38 / 46
p0 1.476 ± 0.001589
p1 1.151e-13 ± 3.53e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.284e+05 / 46
p0 -58.48 ± 0.004606
p1 0.451 ± 1.843e-07
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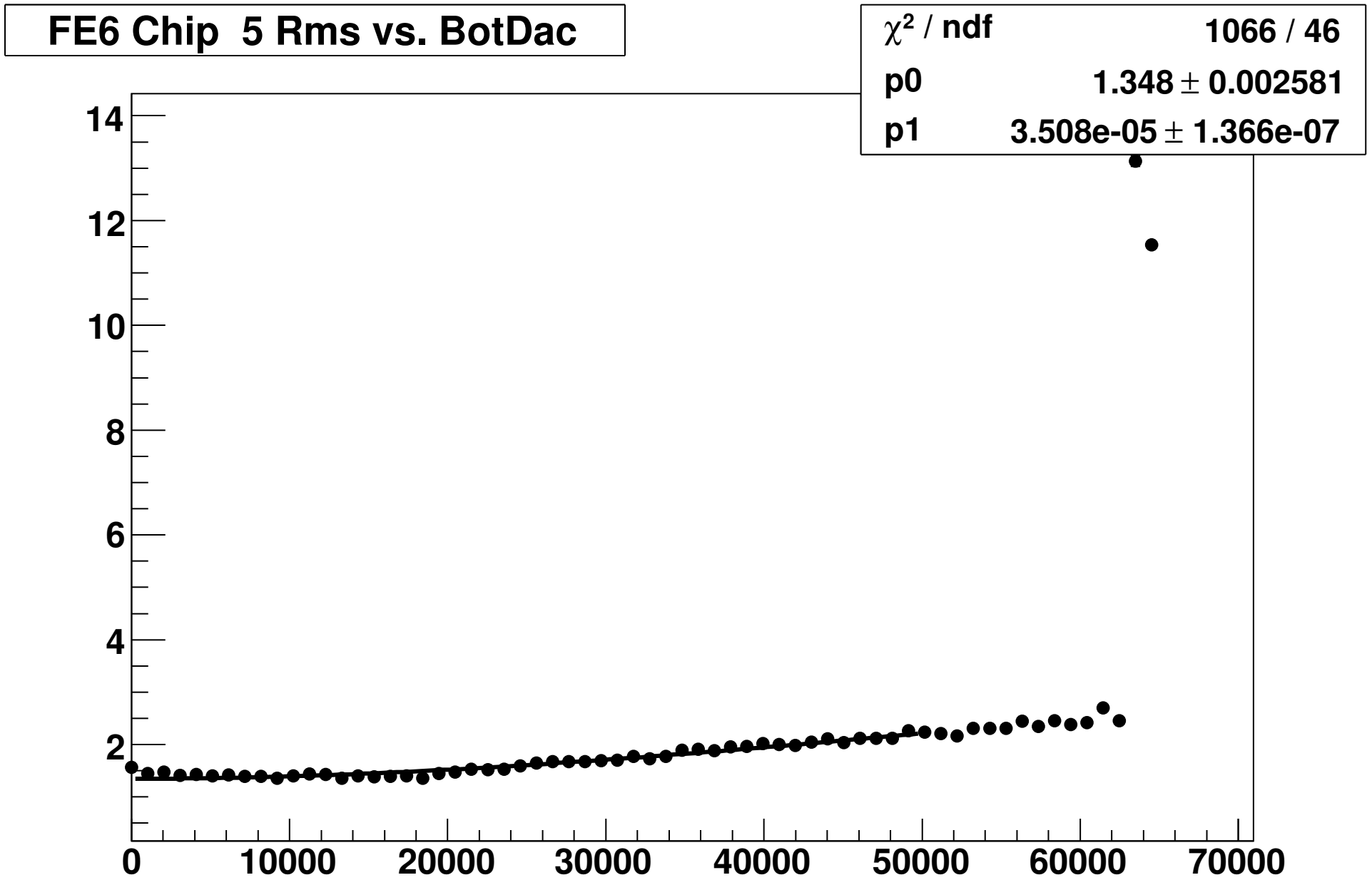
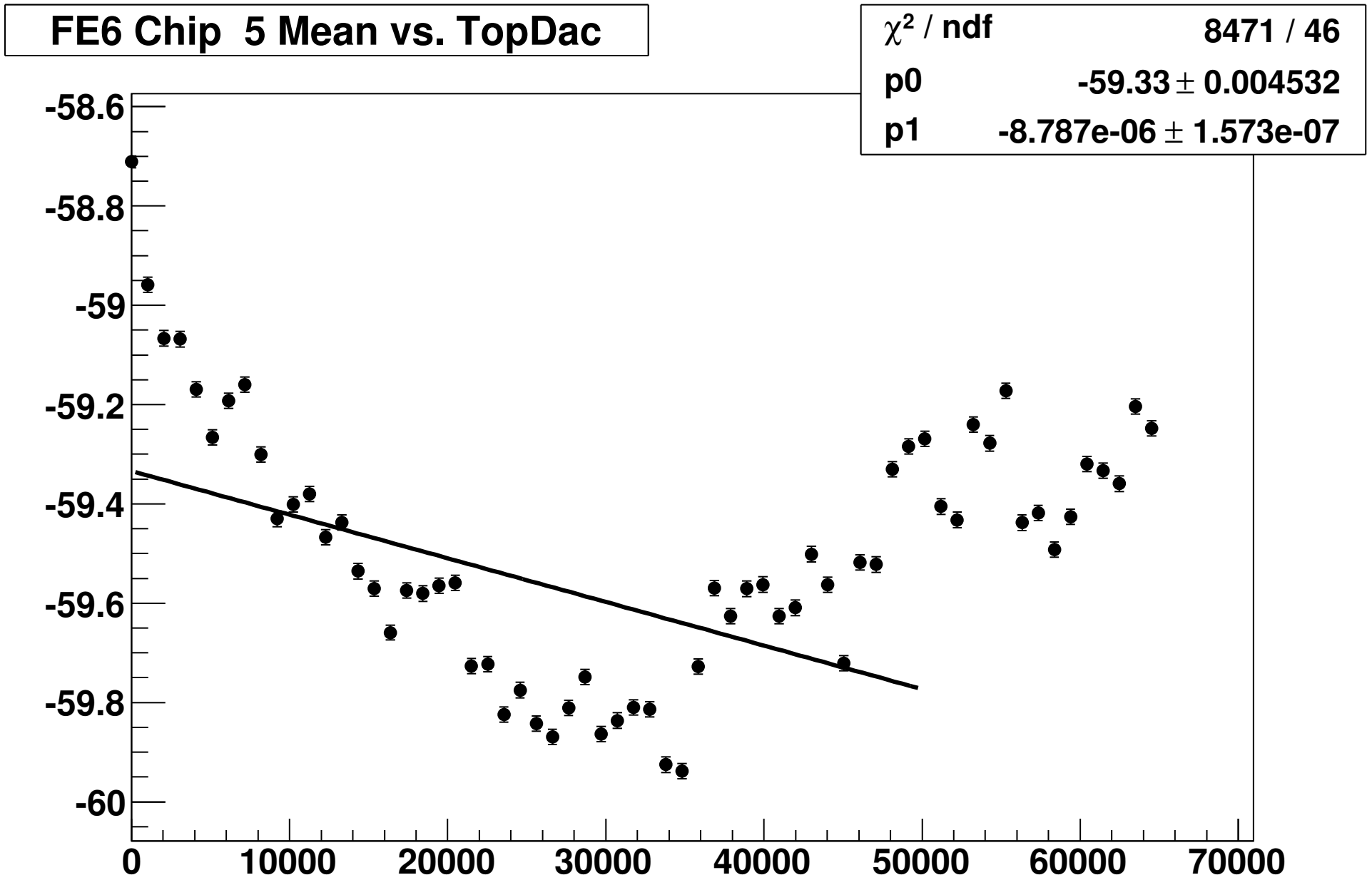
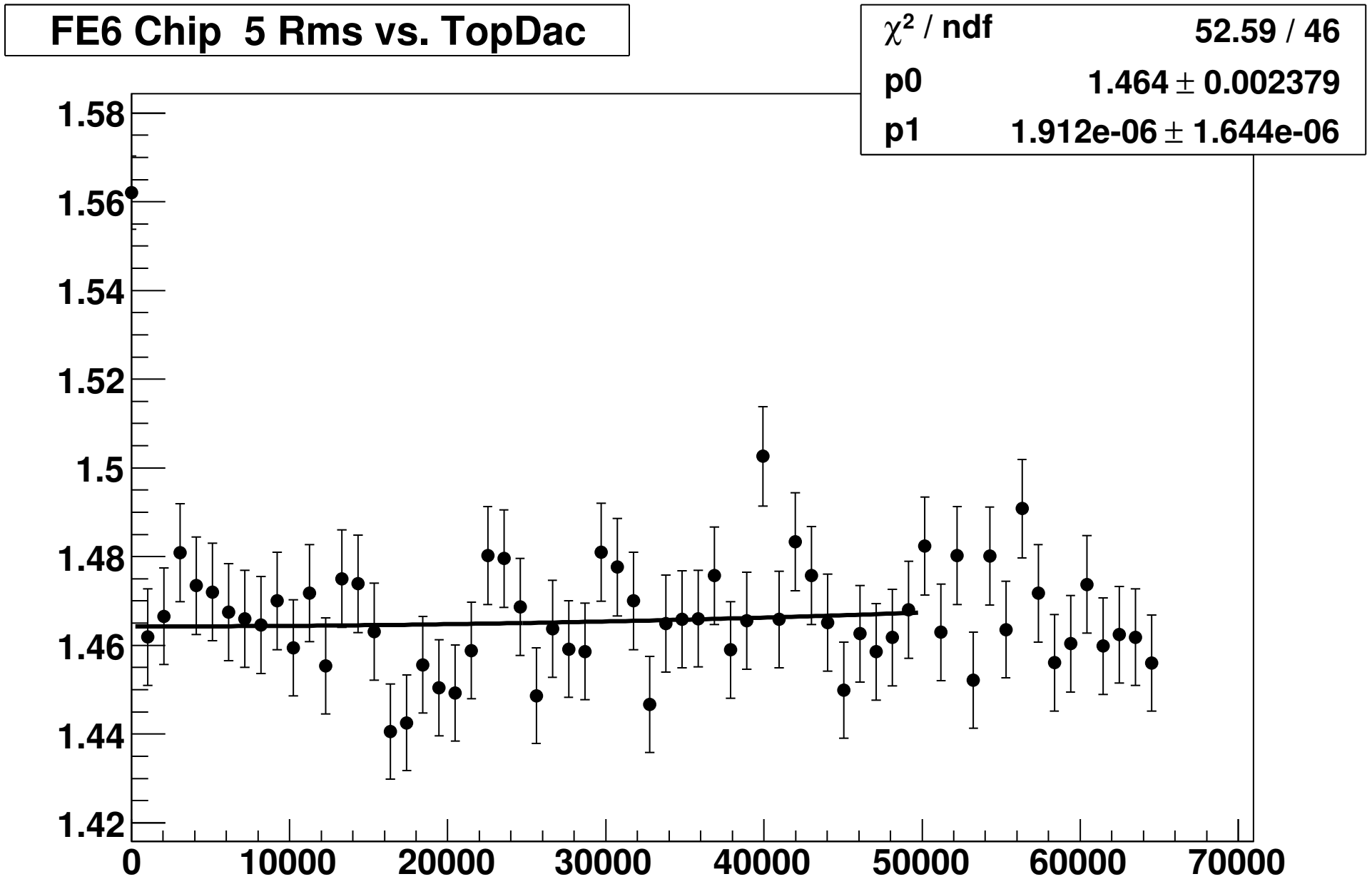
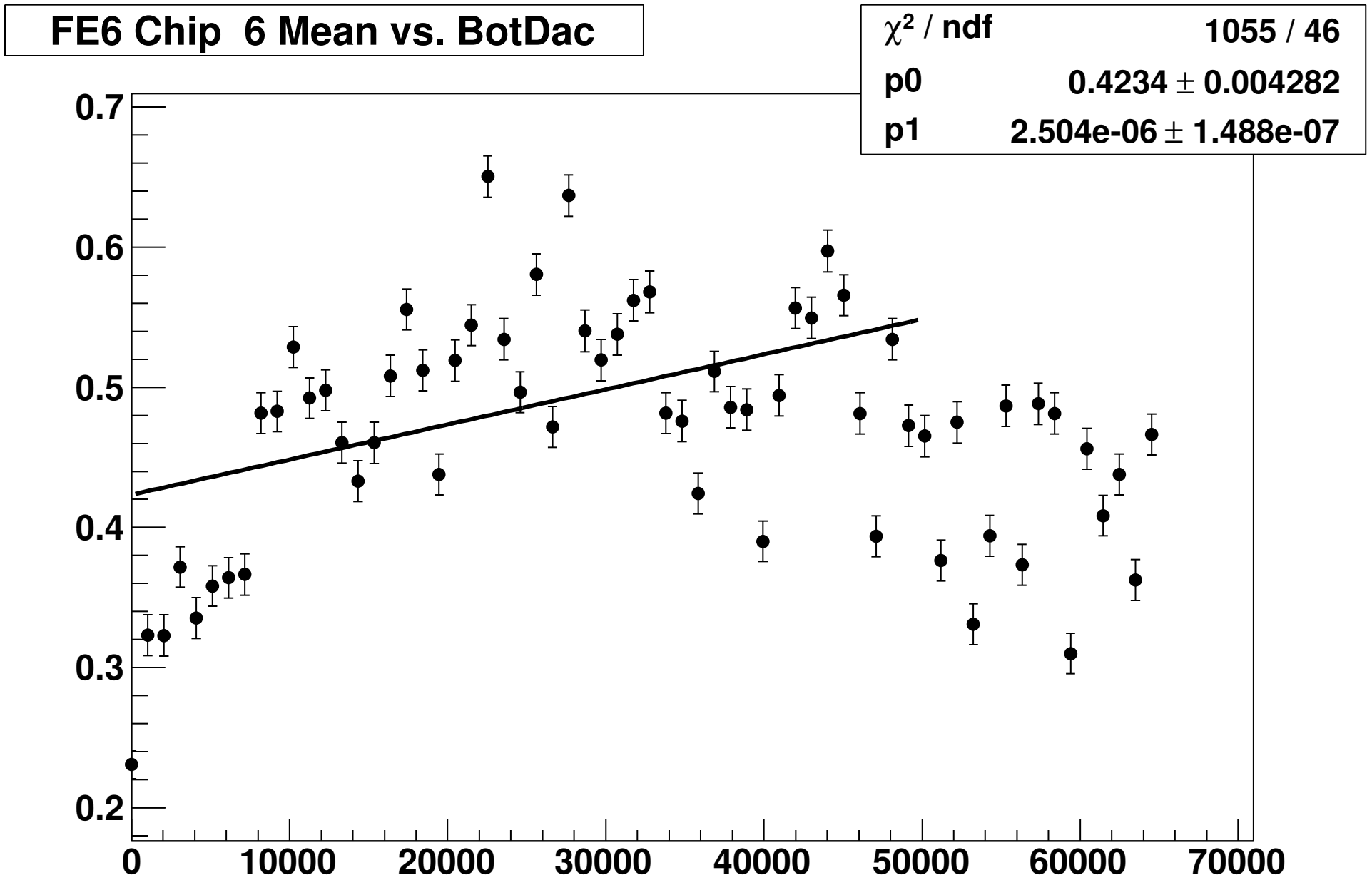
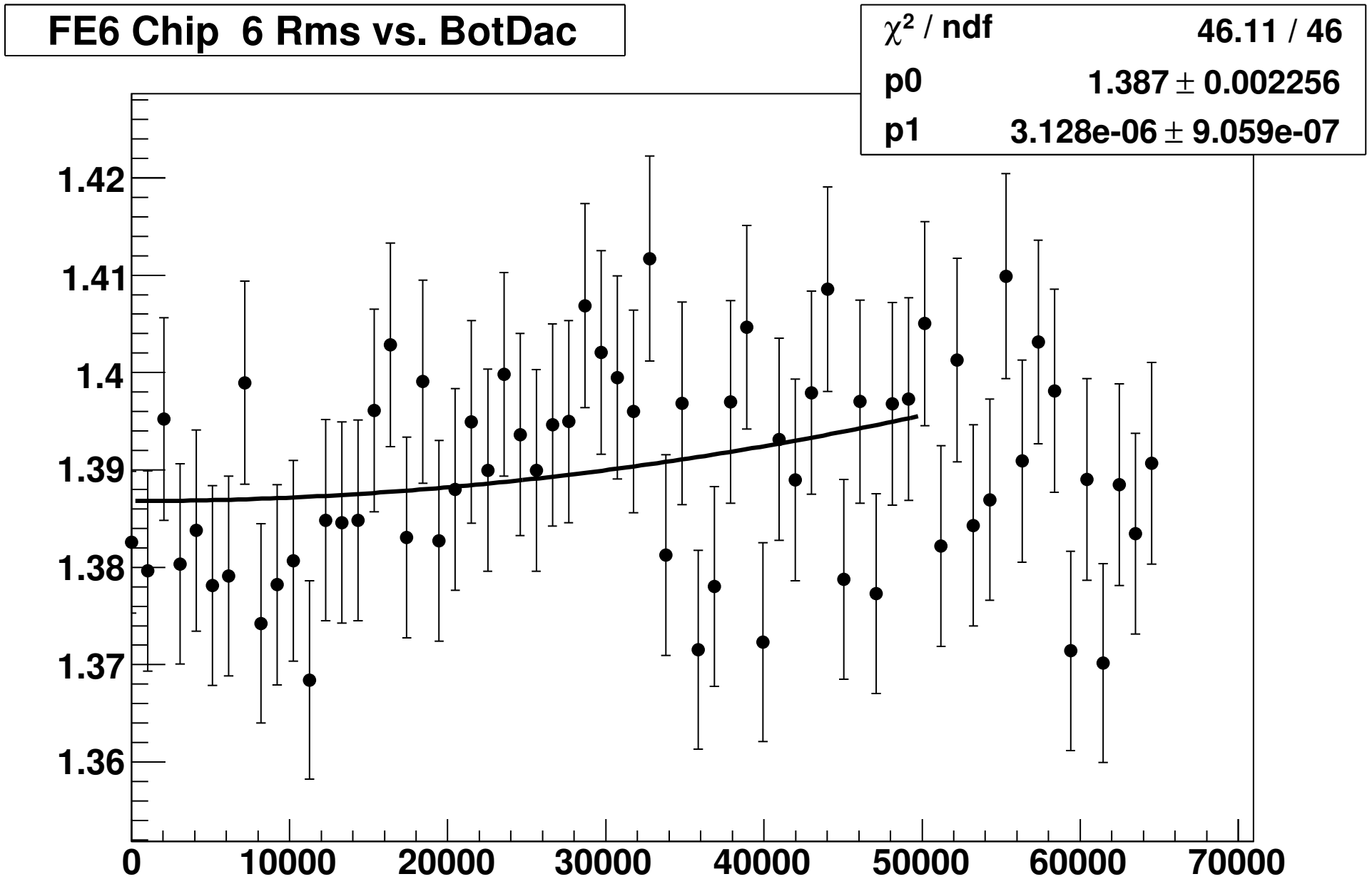
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

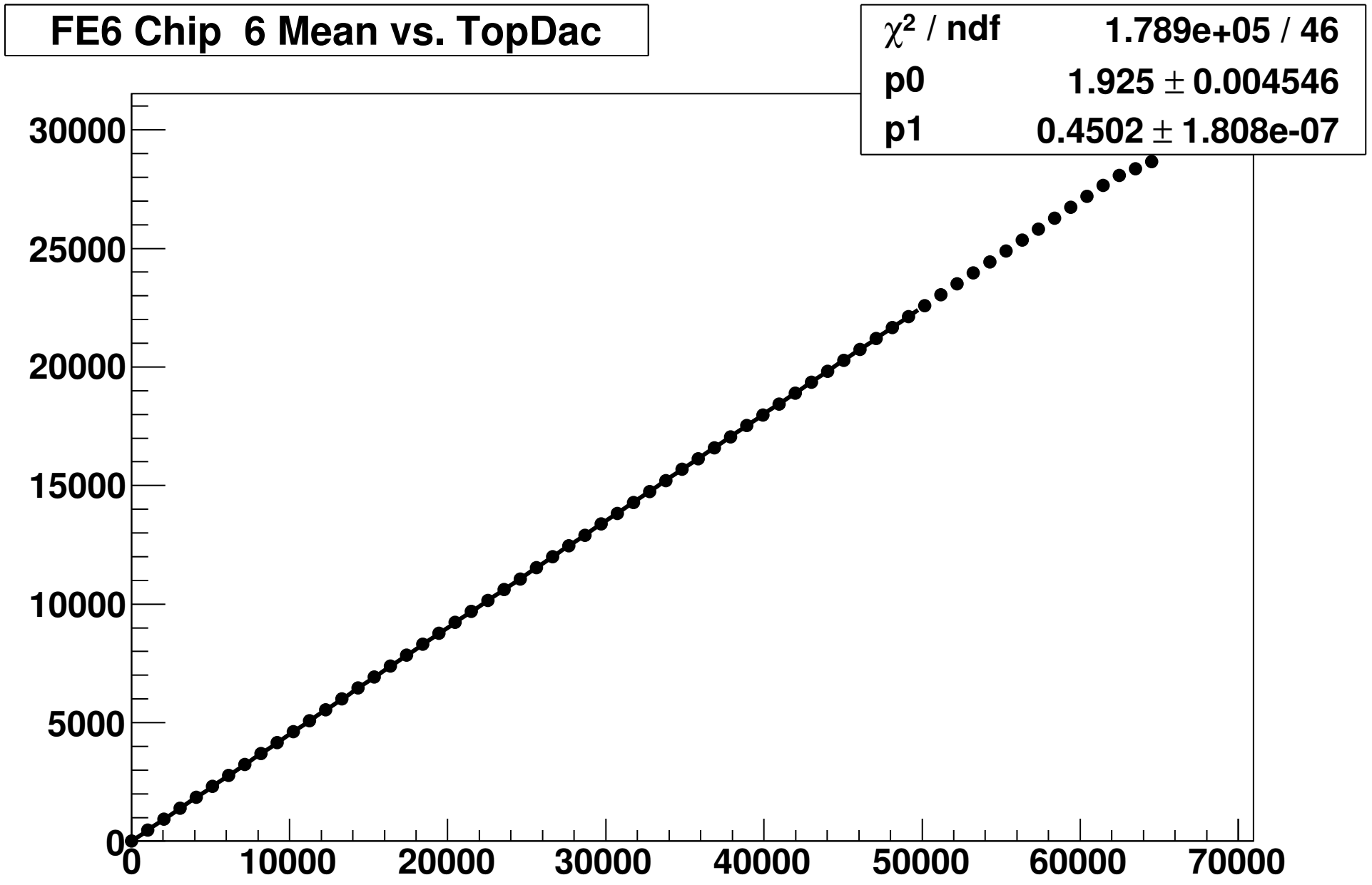

FE6 Chip 5 Rms vs. BotDac
χ² / ndf 1066 / 46
p0 1.348 ± 0.002581
p1 3.508e-05 ± 1.366e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

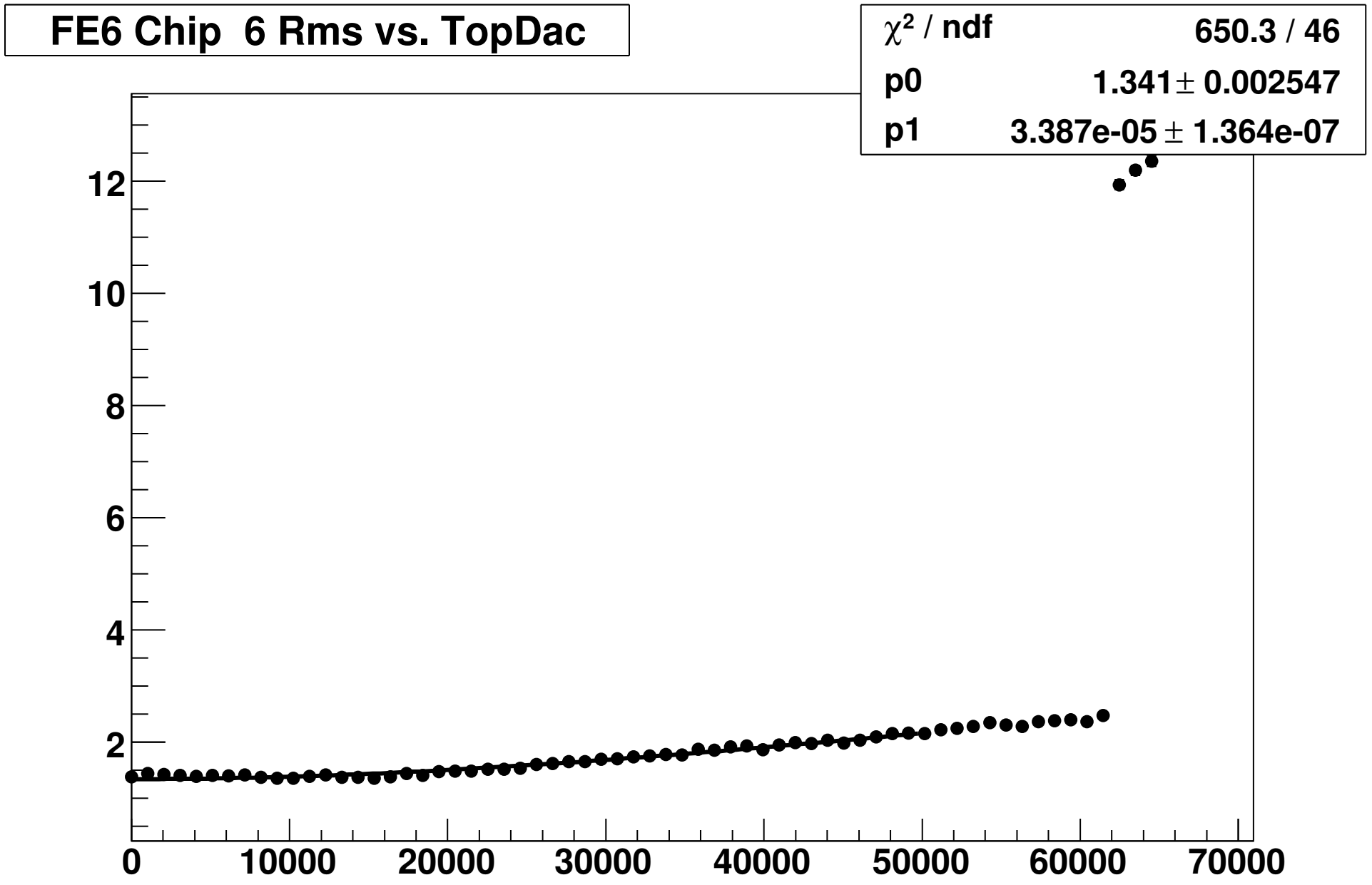

FE6 Chip 5 Mean vs. TopDac
χ² / ndf 8471 / 46
p0 -59.33 ± 0.004532
p1 -8.787e-06 ± 1.573e-07
-58.6
-58.8
-59
-59.2
-59.4
-59.6
-59.8
-60
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 52.59 / 46
p0 1.464 ± 0.002379
p1 1.912e-06 ± 1.644e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 1055 / 46
p0 0.4234 ± 0.004282
p1 2.504e-06 ± 1.488e-07
0.7
0.6
0.5
0.4
0.3
0.2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 46.11 / 46
p0 1.387 ± 0.002256
p1 3.128e-06 ± 9.059e-07
1.42
1.41
1.4
1.39
1.38
1.37
1.36
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 1.789e+05 / 46
p0 1.925 ± 0.004546
p1 0.4502 ± 1.808e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 650.3 / 46
p0 1.341 ± 0.002547
p1 3.387e-05 ± 1.364e-07
12
10
8
6
4
2
0
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20000
30000
40000
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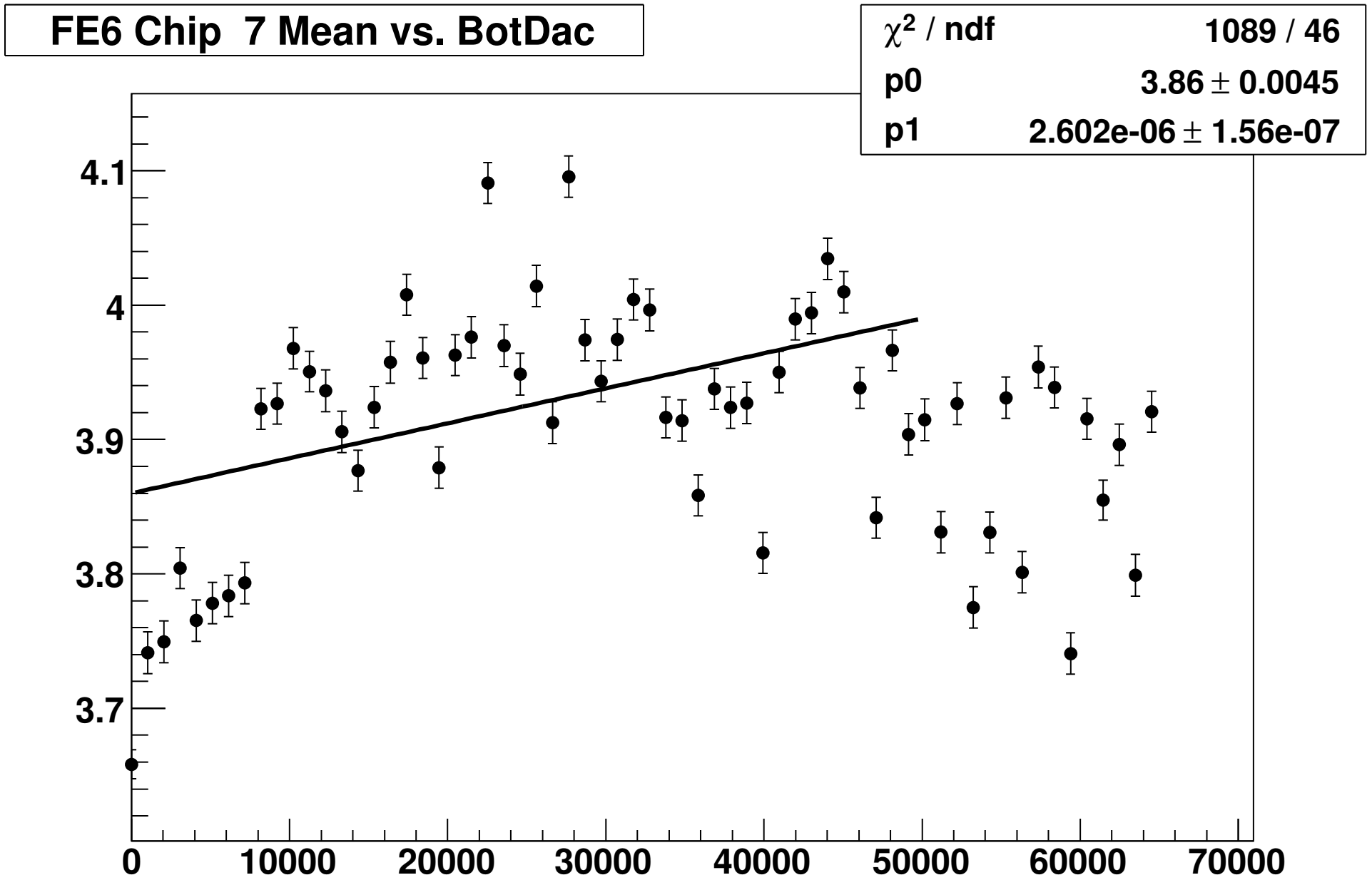
FE6 Chip 7 Mean vs. BotDac
χ² / ndf 1089 / 46
p0 3.86 ± 0.0045
p1 2.602e-06 ± 1.56e-07
4.1
4
3.9
3.8
3.7
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10000
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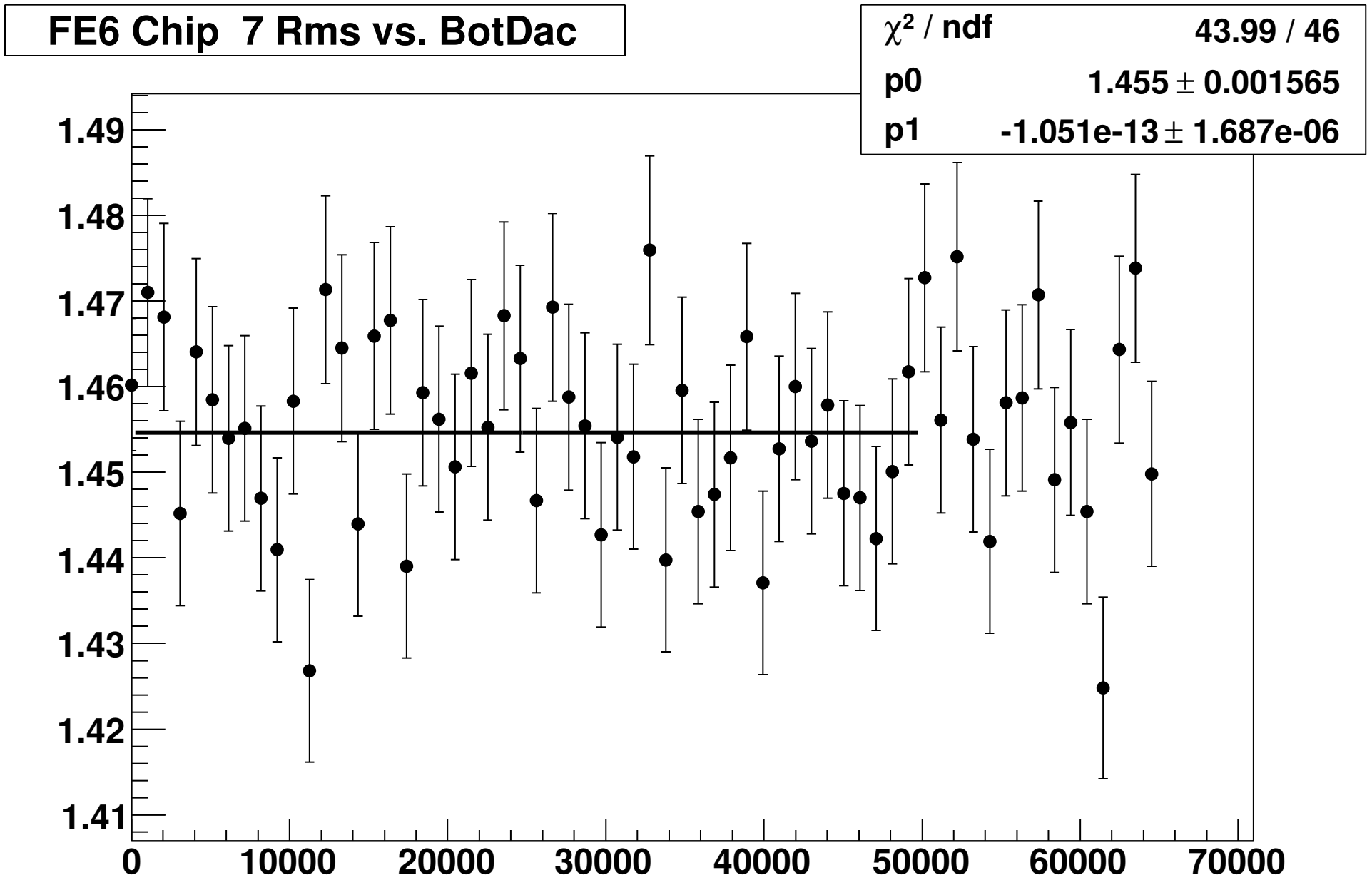
FE6 Chip 7 Rms vs. BotDac
χ² / ndf 43.99 / 46
p0 1.455 ± 0.001565
p1 -1.051e-13 ± 1.687e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
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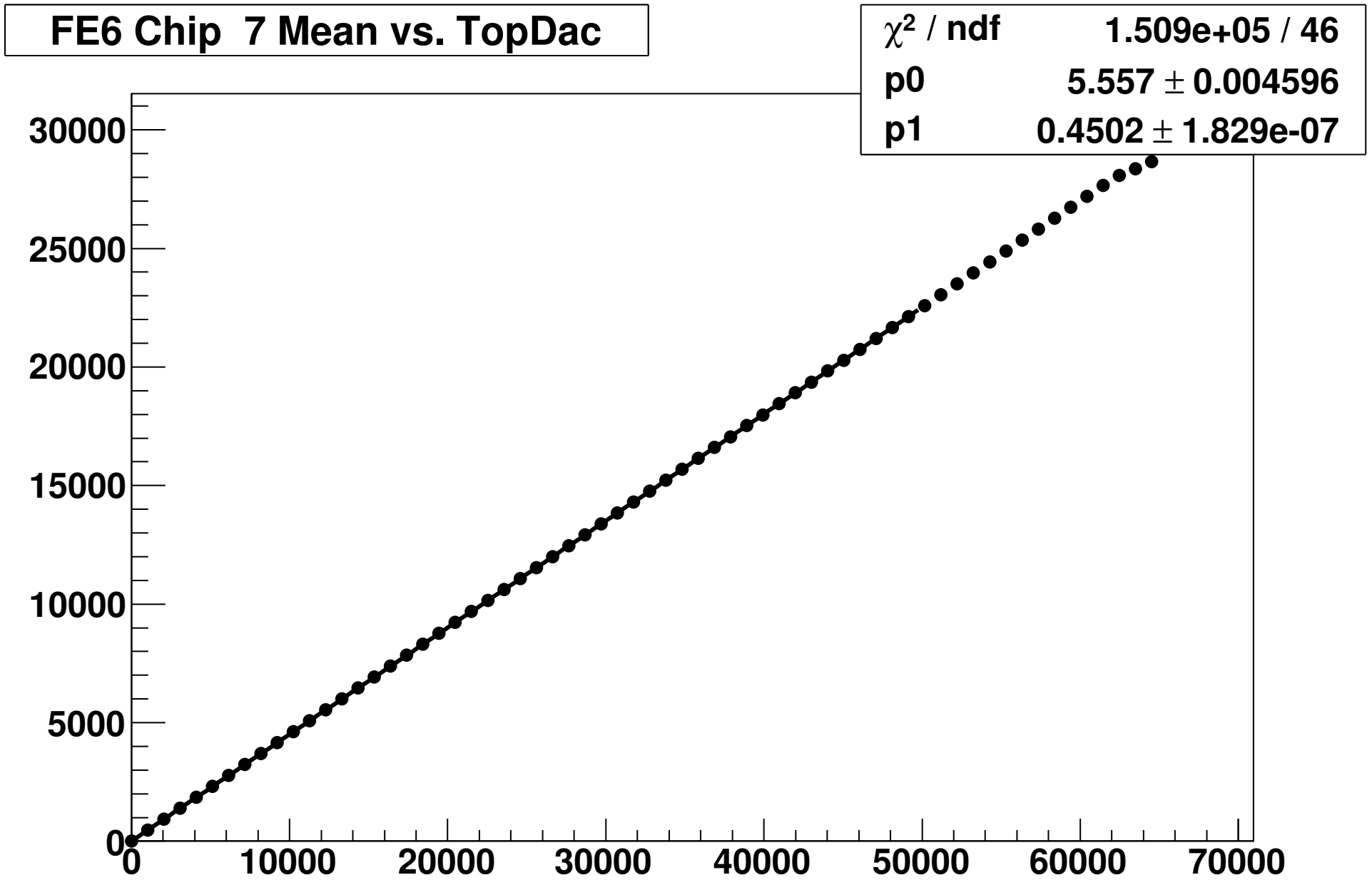
FE6 Chip 7 Mean vs. TopDac
χ² / ndf 1.509e+05 / 46
p0 5.557 ± 0.004596
p1 0.4502 ± 1.829e-07
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5000
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10000
20000
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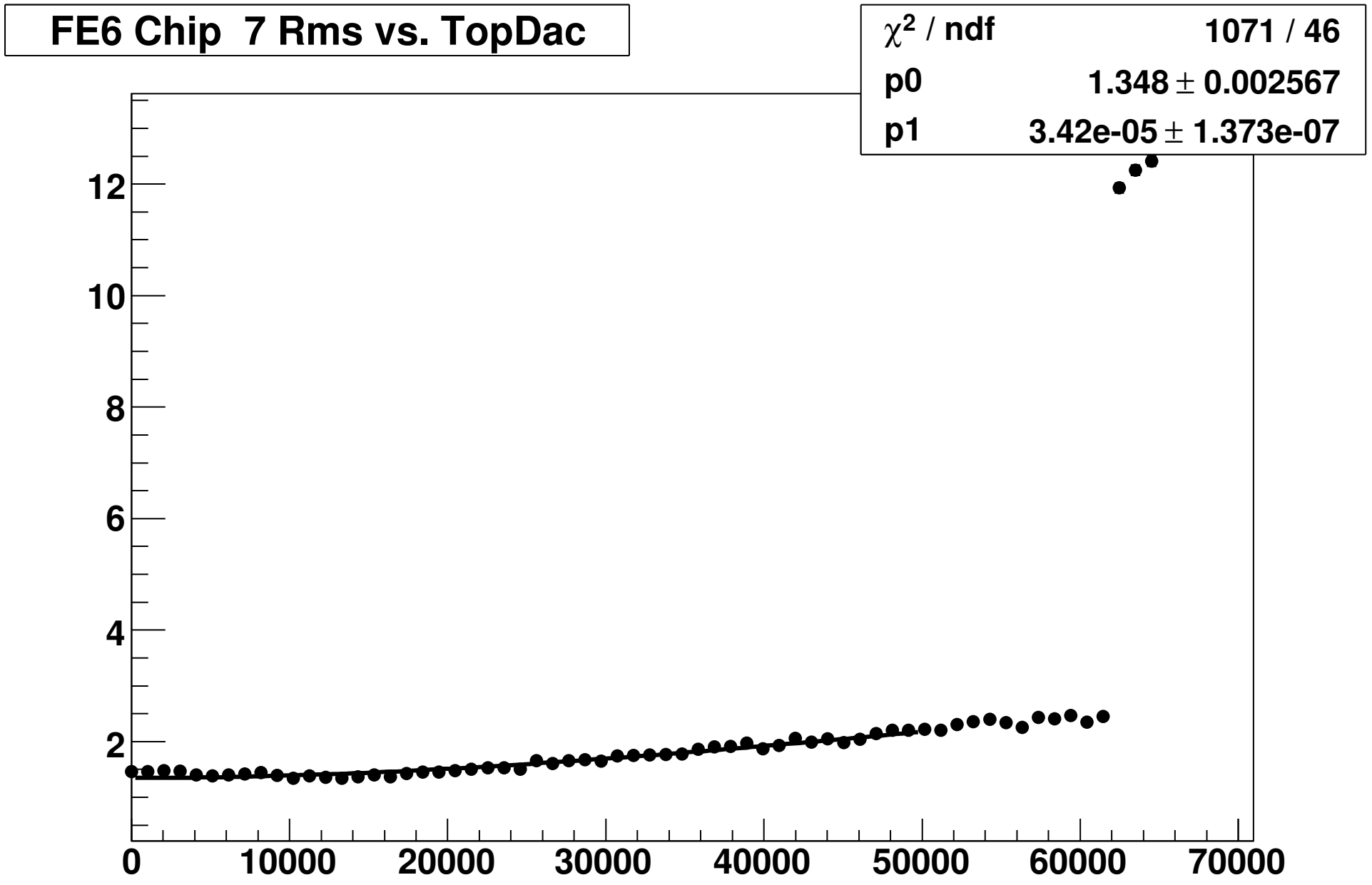
FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1071 / 46
p0 1.348 ± 0.002567
p1 3.42e-05 ± 1.373e-07
12
10
8
6
4
2
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50000
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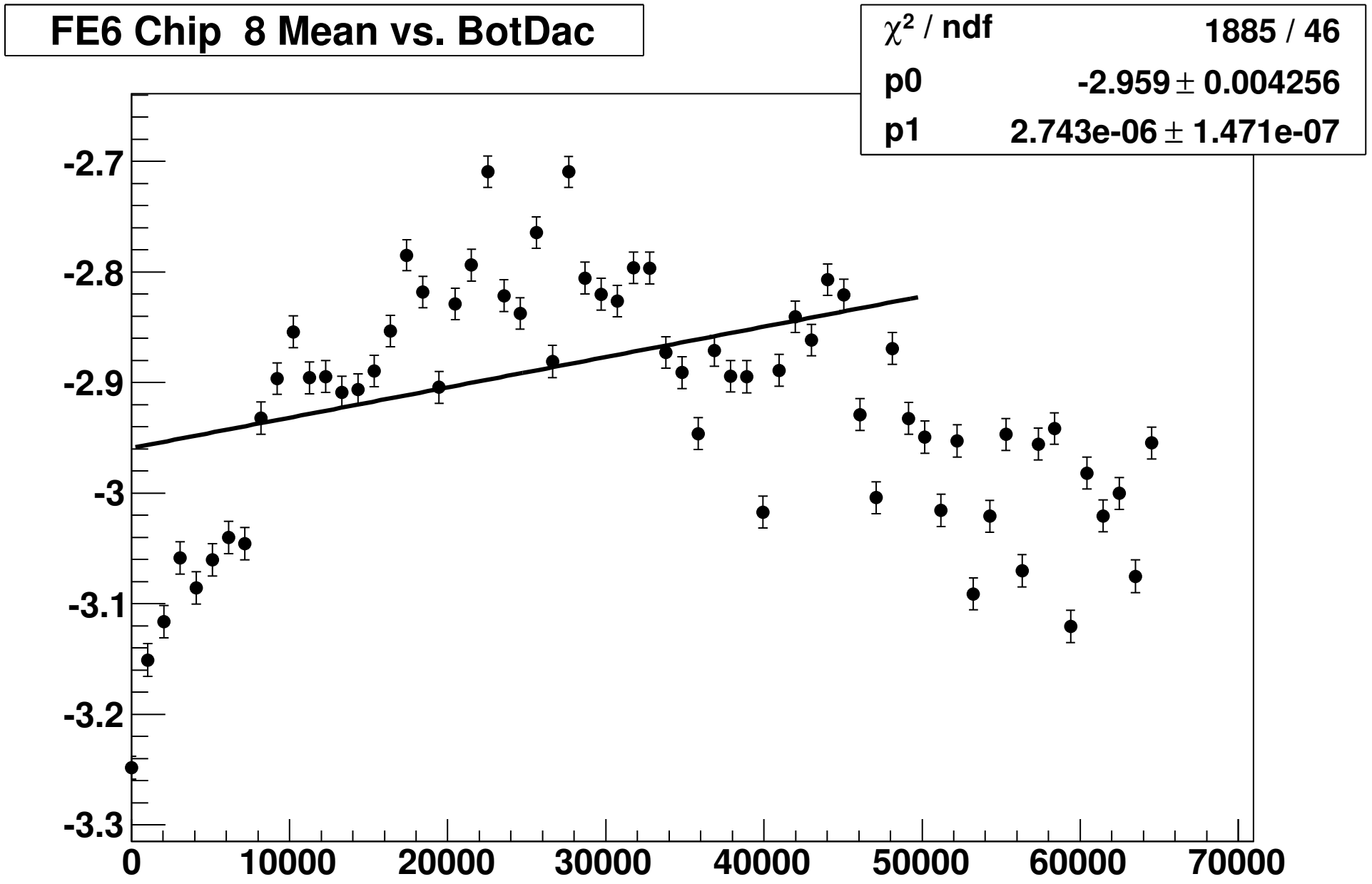
FE6 Chip 8 Mean vs. BotDac
χ² / ndf 1885 / 46
p0 -2.959 ± 0.004256
p1 2.743e-06 ± 1.471e-07
-2.7
-2.8
-2.9
-3
-3.1
-3.2
-3.3
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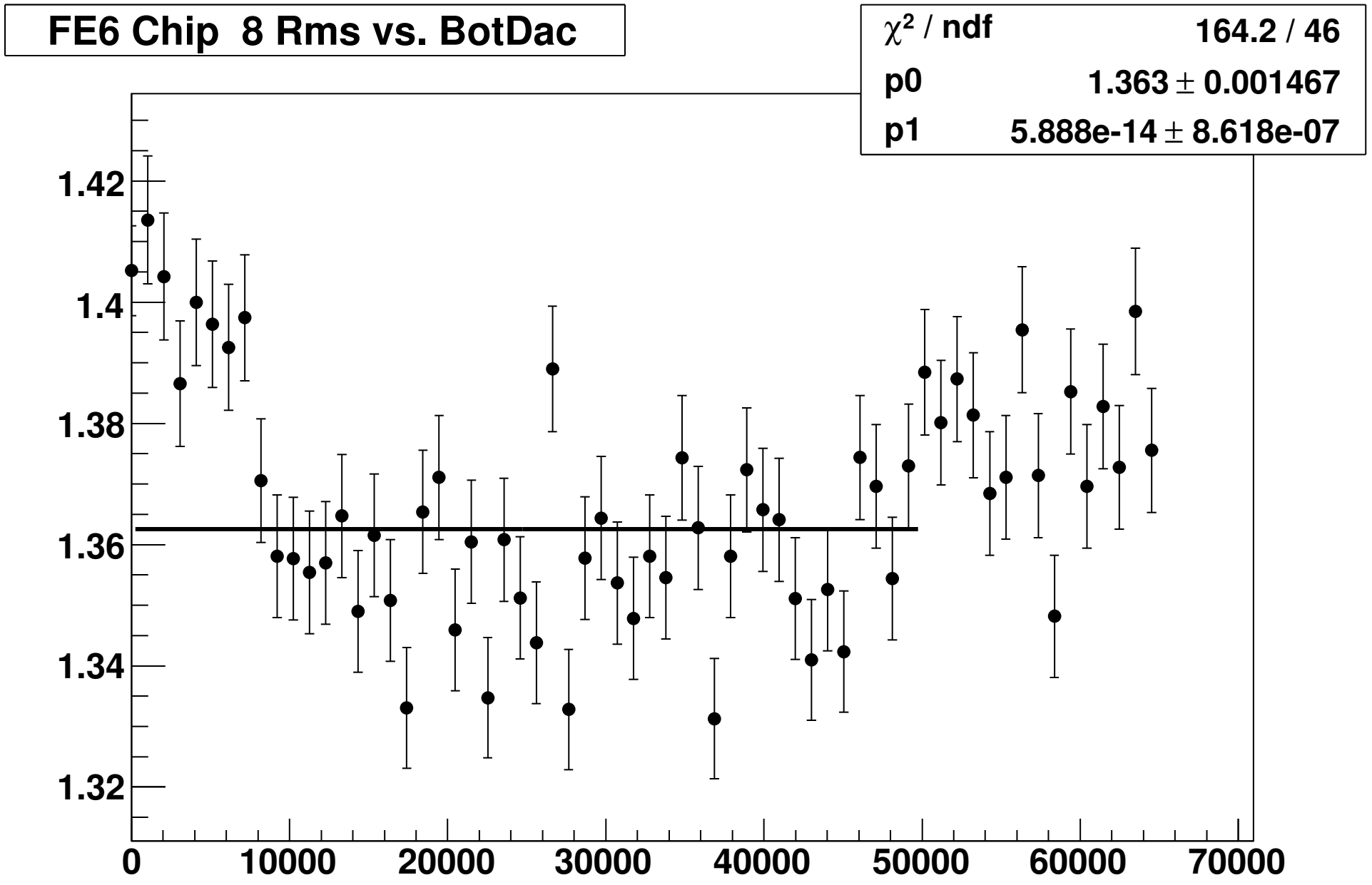
FE6 Chip 8 Rms vs. BotDac
χ² / ndf 164.2 / 46
p0 1.363 ± 0.001467
p1 5.888e-14 ± 8.618e-07
1.42
1.4
1.38
1.36
1.34
1.32
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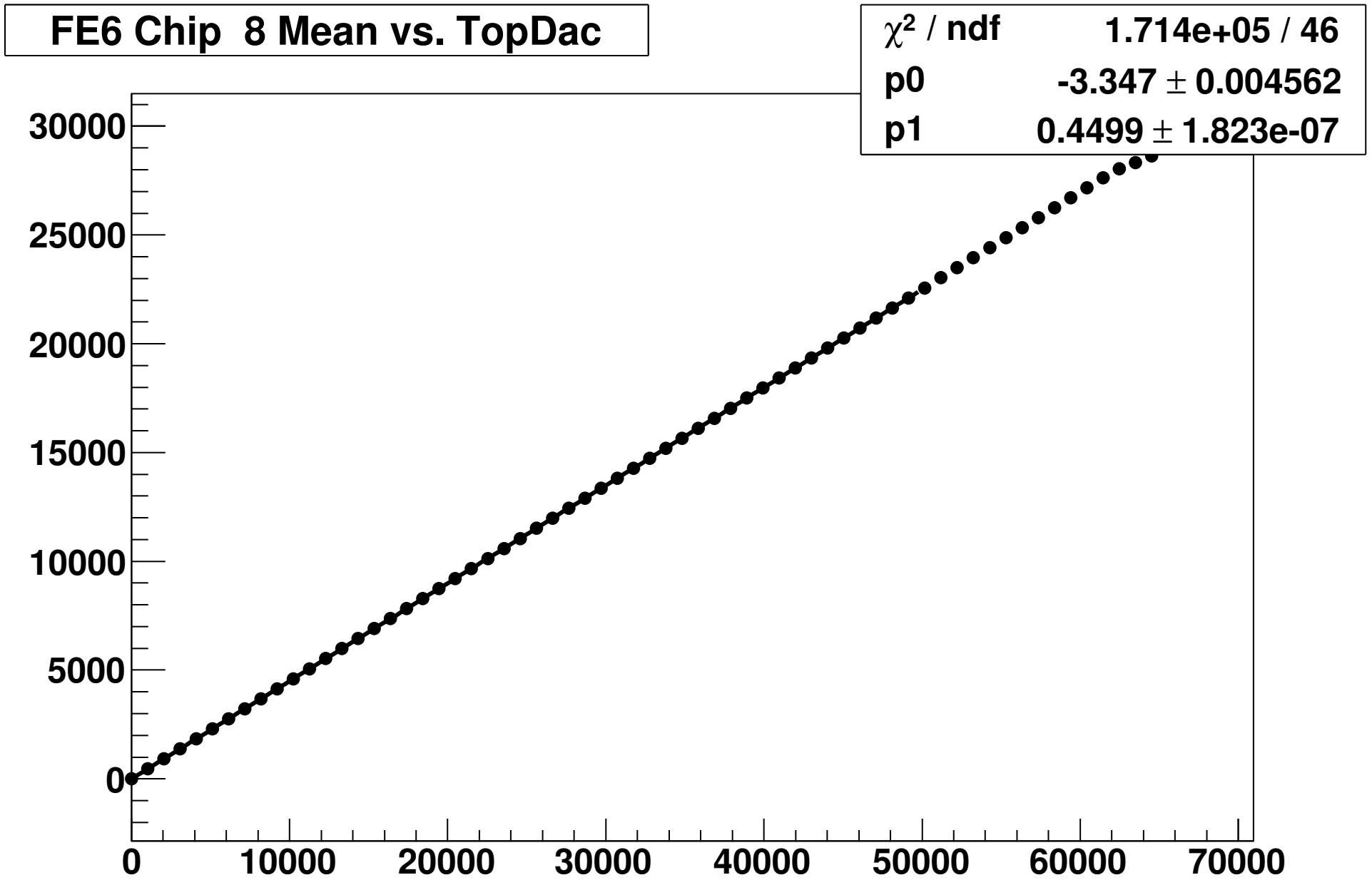
FE6 Chip 8 Mean vs. TopDac
χ² / ndf 1.714e+05 / 46
p0 -3.347 ± 0.004562
p1 0.4499 ± 1.823e-07
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10000
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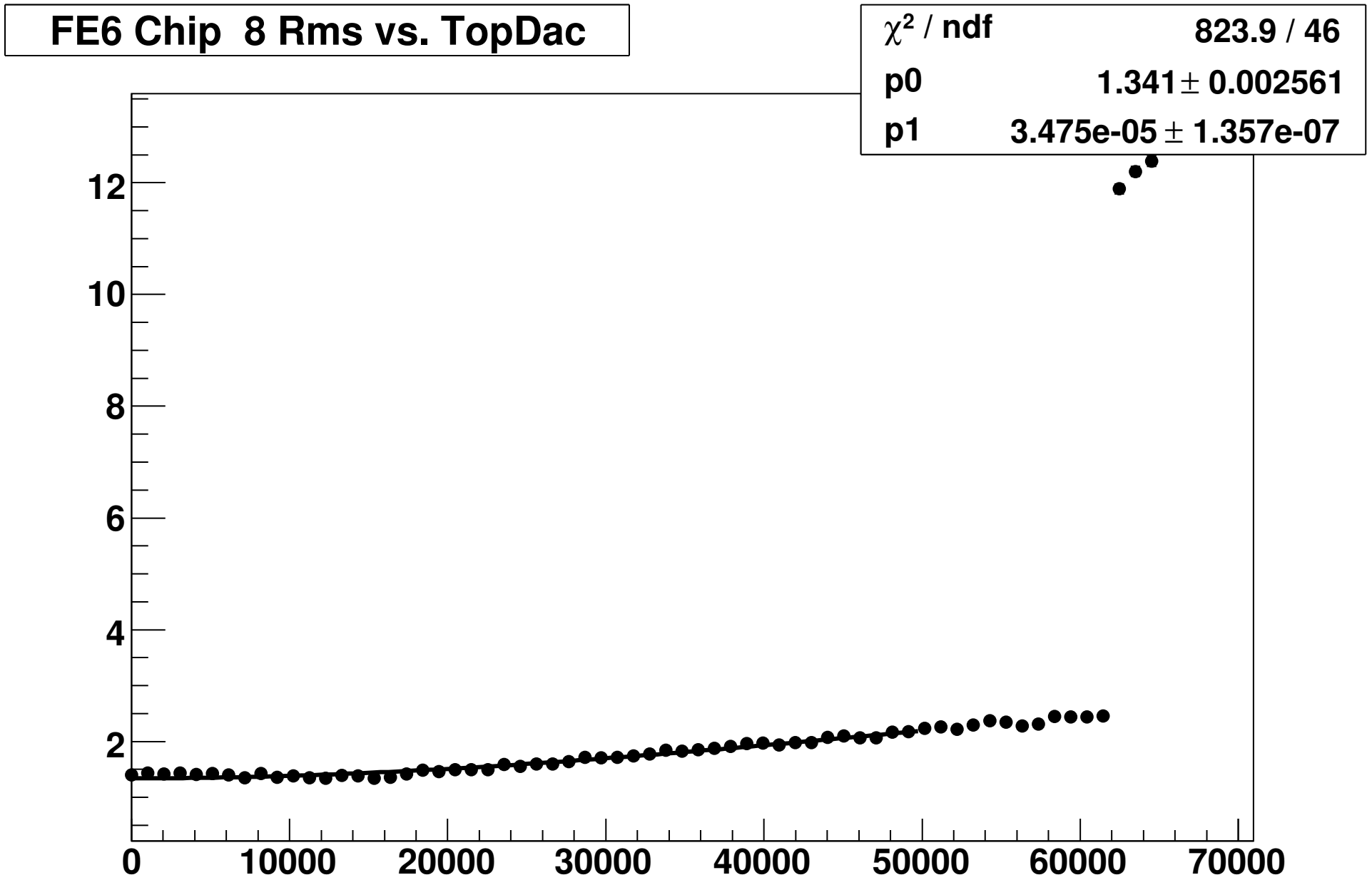
FE6 Chip 8 Rms vs. TopDac
χ² / ndf 823.9 / 46
p0 1.341 ± 0.002561
p1 3.475e-05 ± 1.357e-07
12
10
8
6
4
2
0
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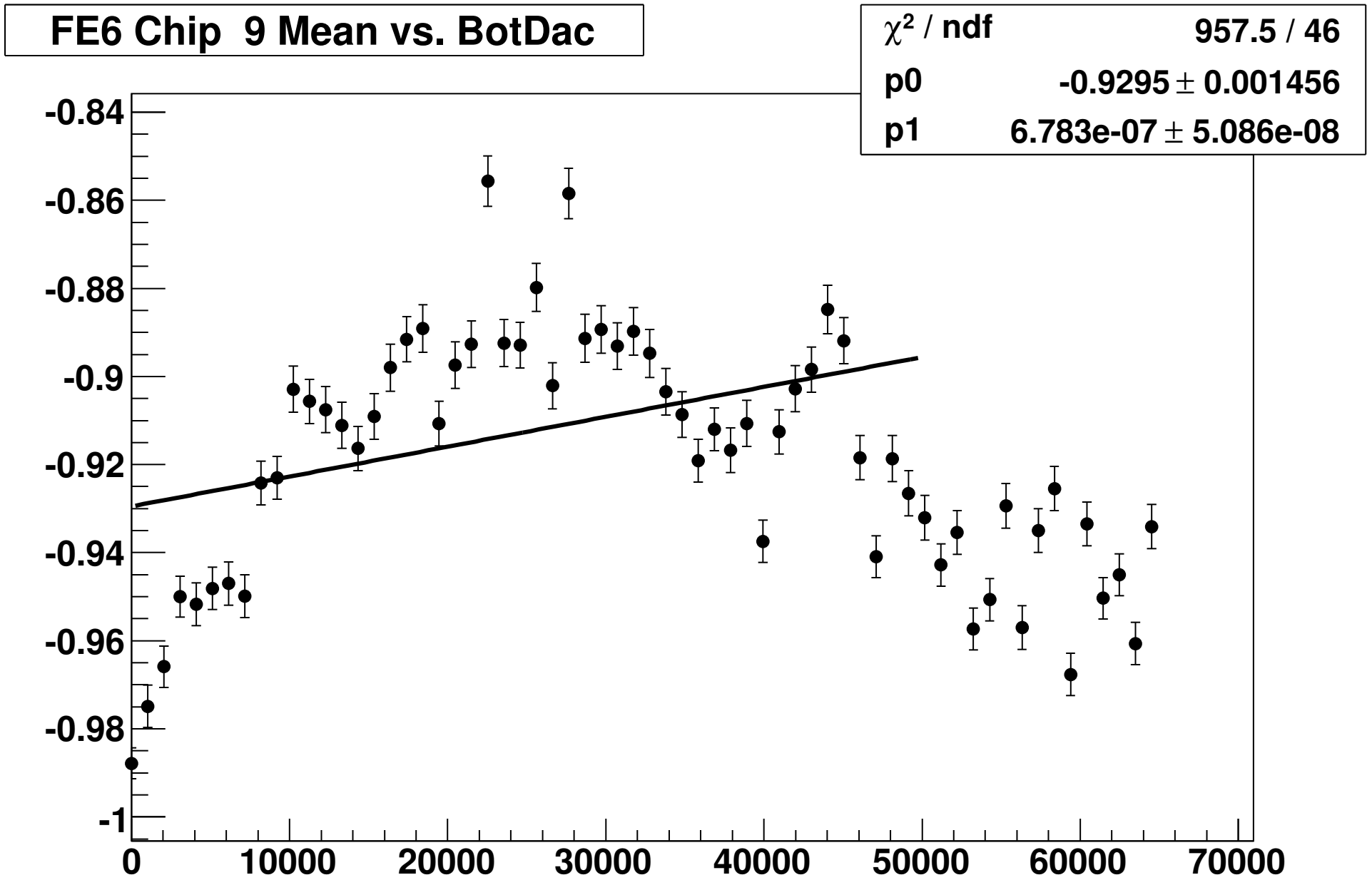
30000
40000
50000
60000
70000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 957.5 / 46
p0 -0.9295 ± 0.001456
p1 6.783e-07 ± 5.086e-08
-0.84
-0.86
-0.88
-0.9
-0.92
-0.94
-0.96
-0.98
-1
0
10000
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30000
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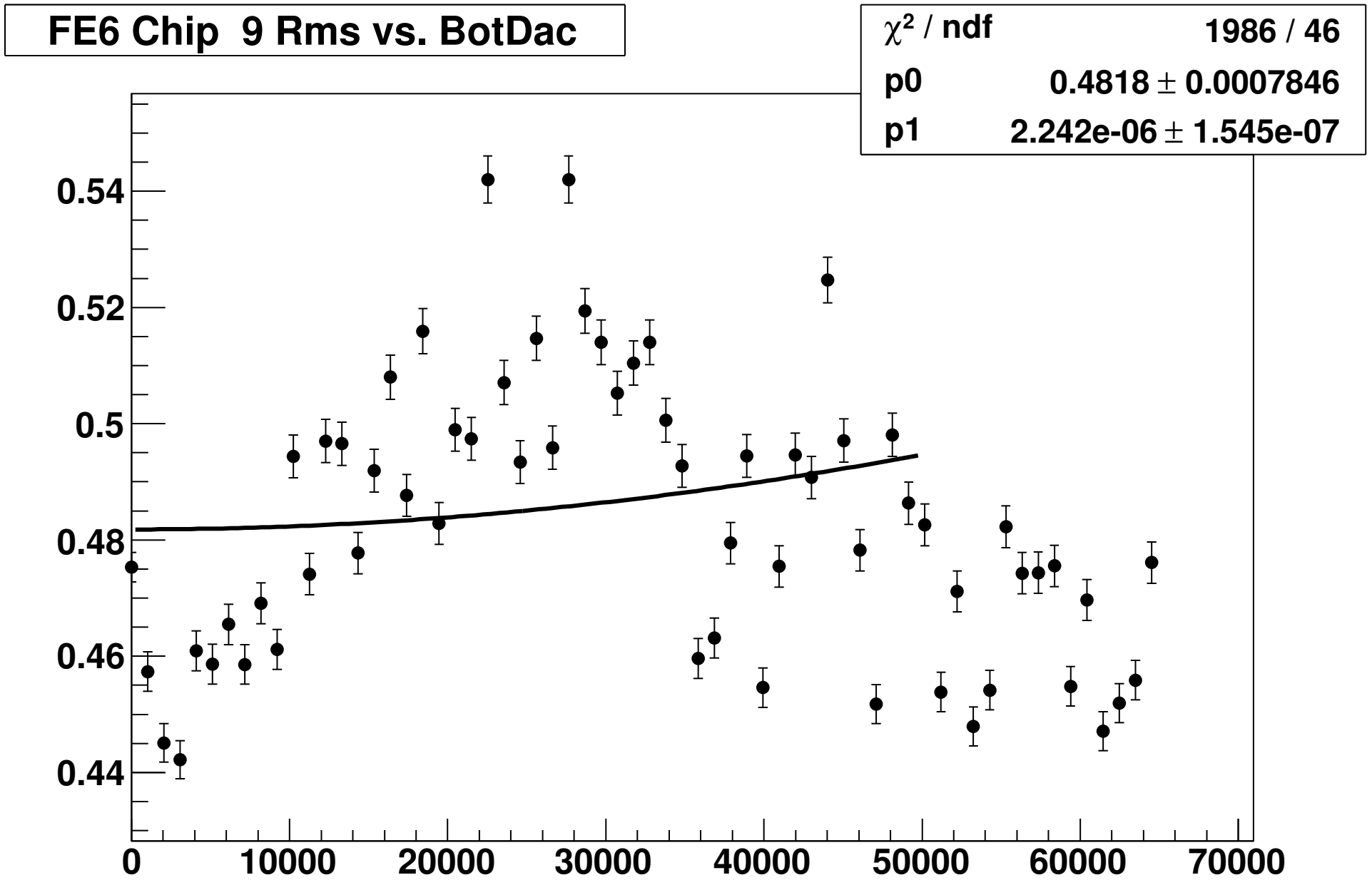
FE6 Chip 9 Rms vs. BotDac
χ² / ndf 1986 / 46
p0 0.4818 ± 0.0007846
p1 2.242e-06 ± 1.545e-07
0.54
0.52
0.5
0.48
0.46
0.44
0
10000
20000
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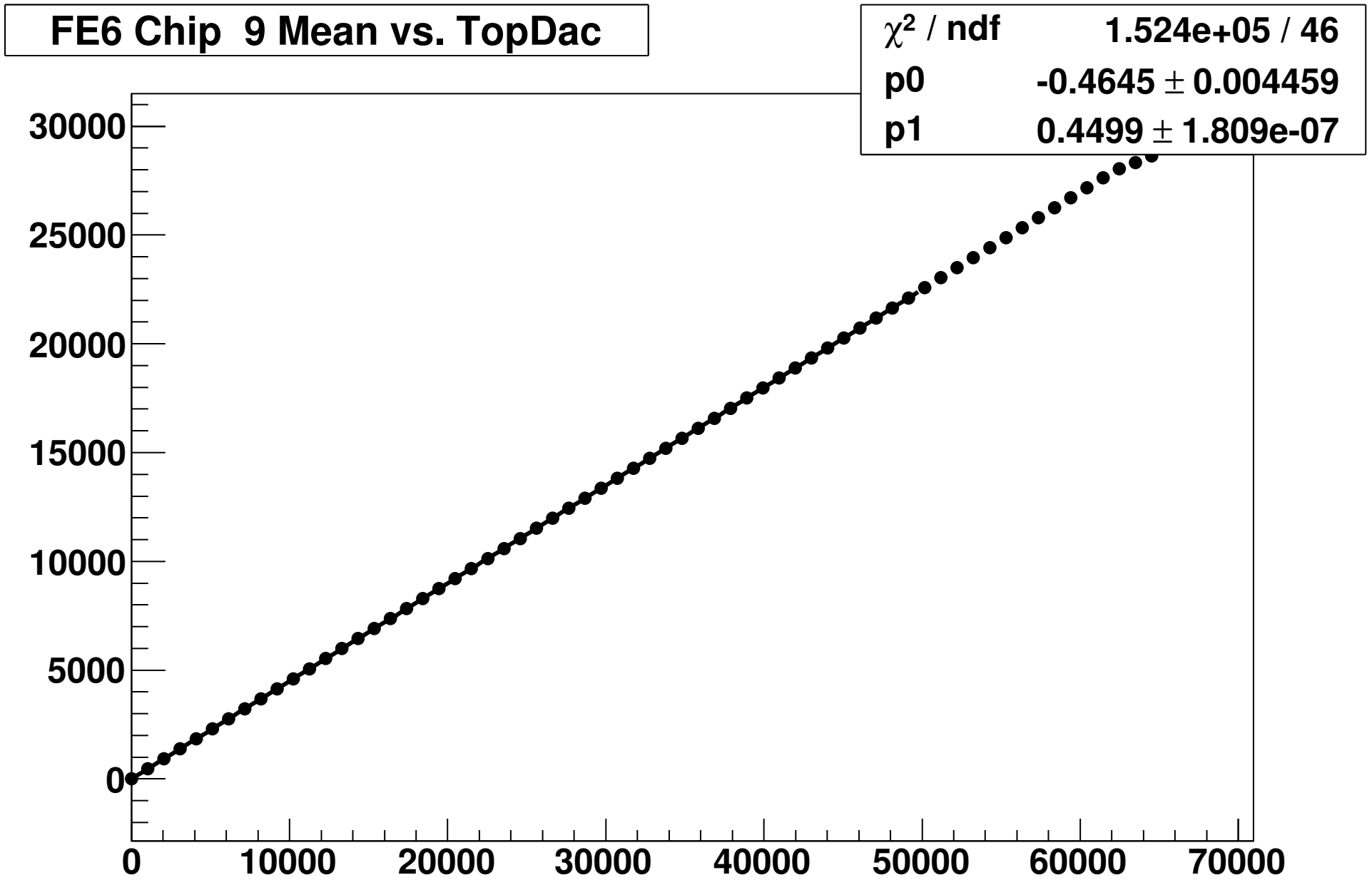
FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.524e+05 / 46
p0 -0.4645 ± 0.004459
p1 0.4499 ± 1.809e-07
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20000
15000
10000
5000
0
0
10000
20000
30000
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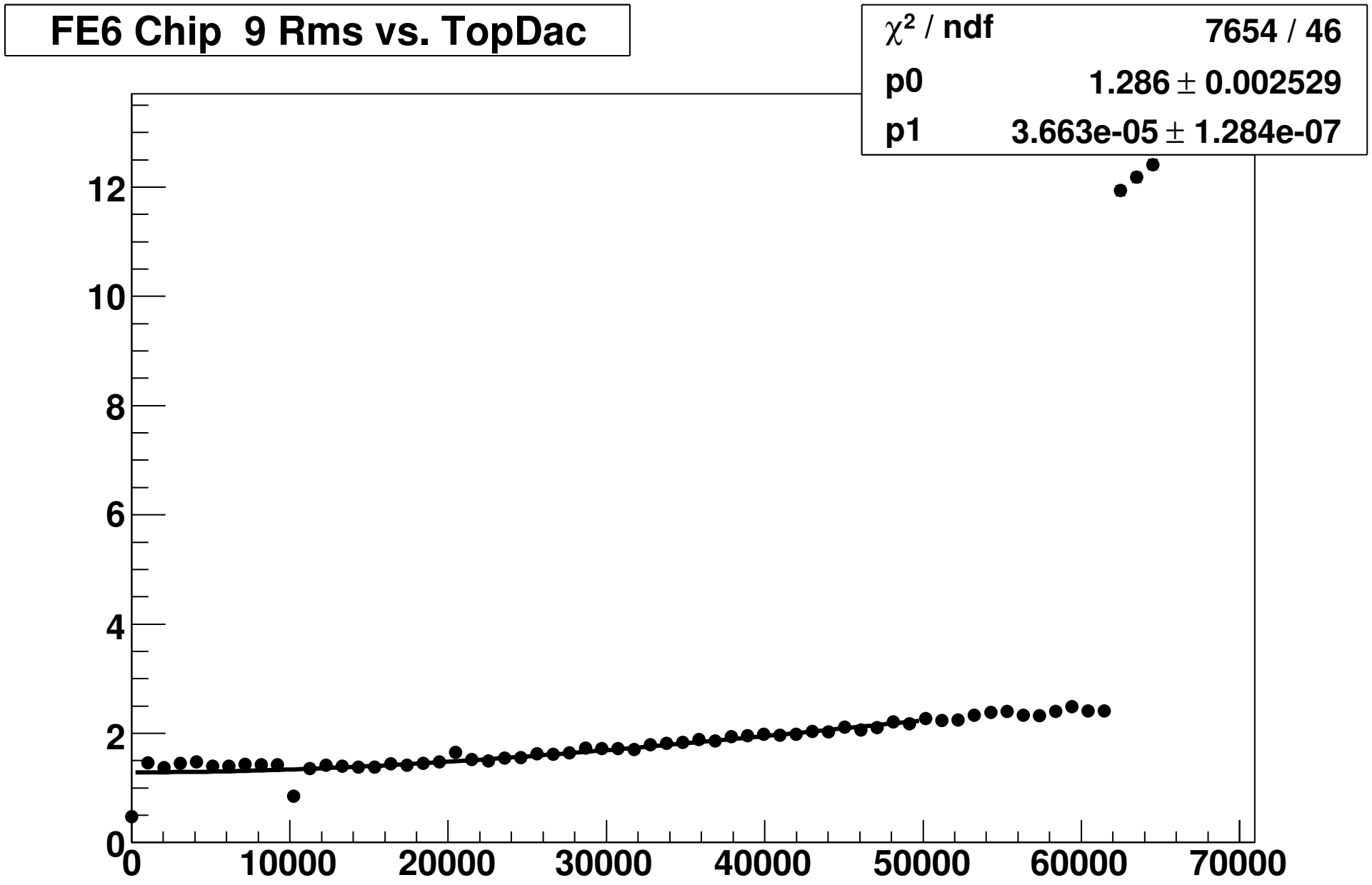
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 7654 / 46
p0 1.286 ± 0.002529
p1 3.663e-05 ± 1.284e-07
0
2
4
6
8
10
12
0
10000
20000
30000
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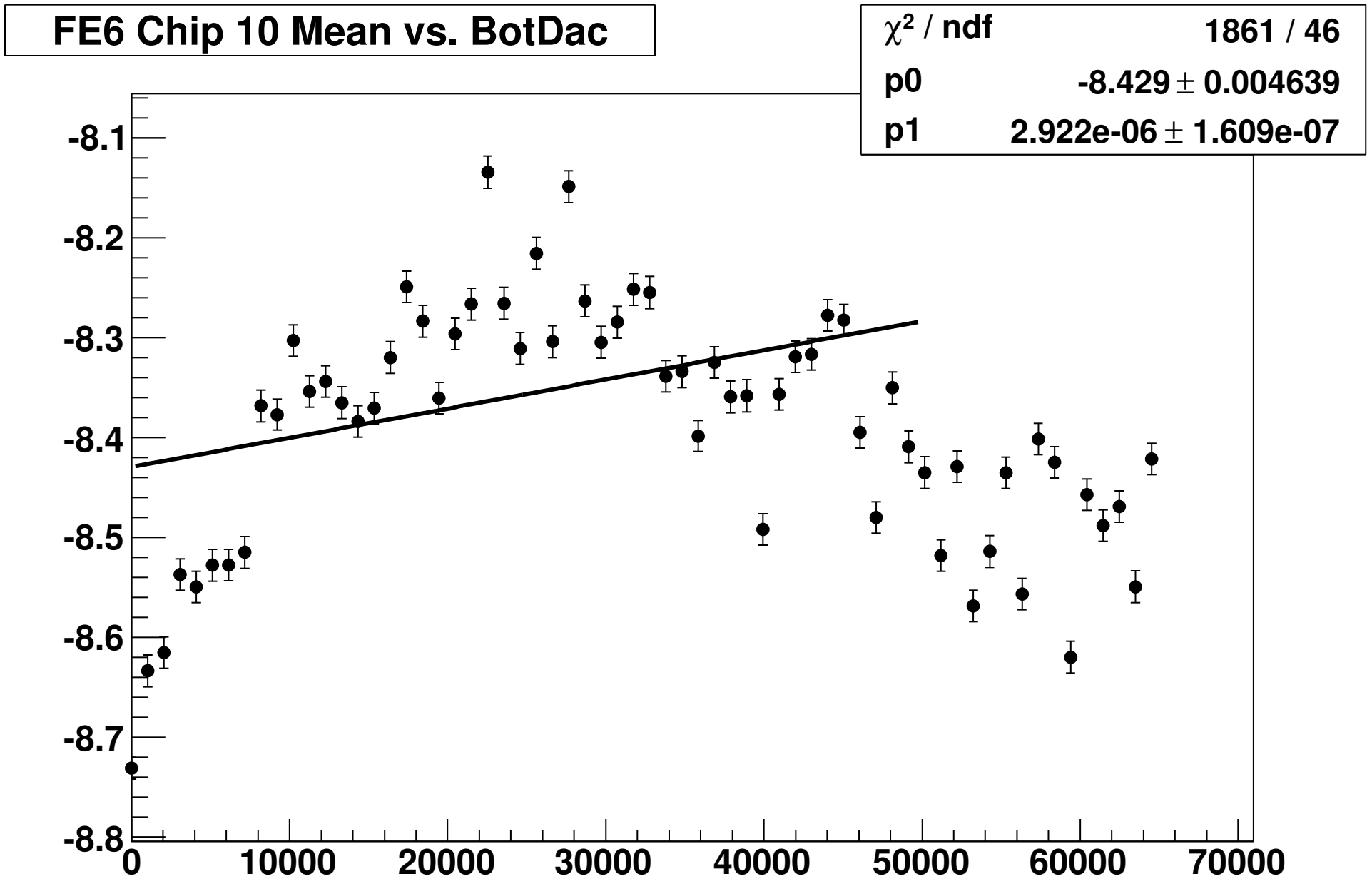
50000
60000
70000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 1861 / 46
p0 -8.429 ± 0.004639
p1 2.922e-06 ± 1.609e-07
-8.1
-8.2
-8.3
-8.4
-8.5
-8.6
-8.7
-8.8
0
10000
20000
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50000
60000
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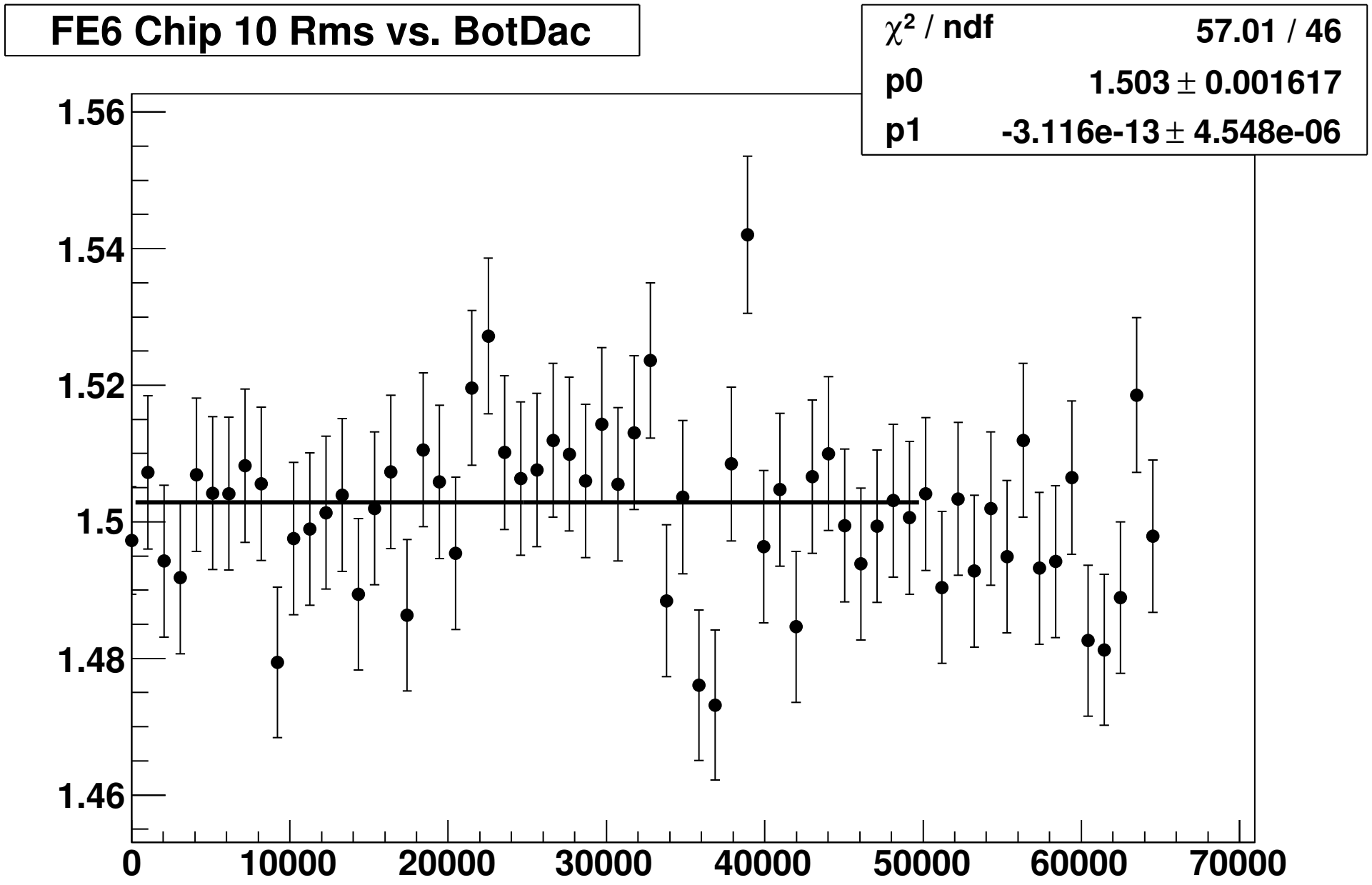
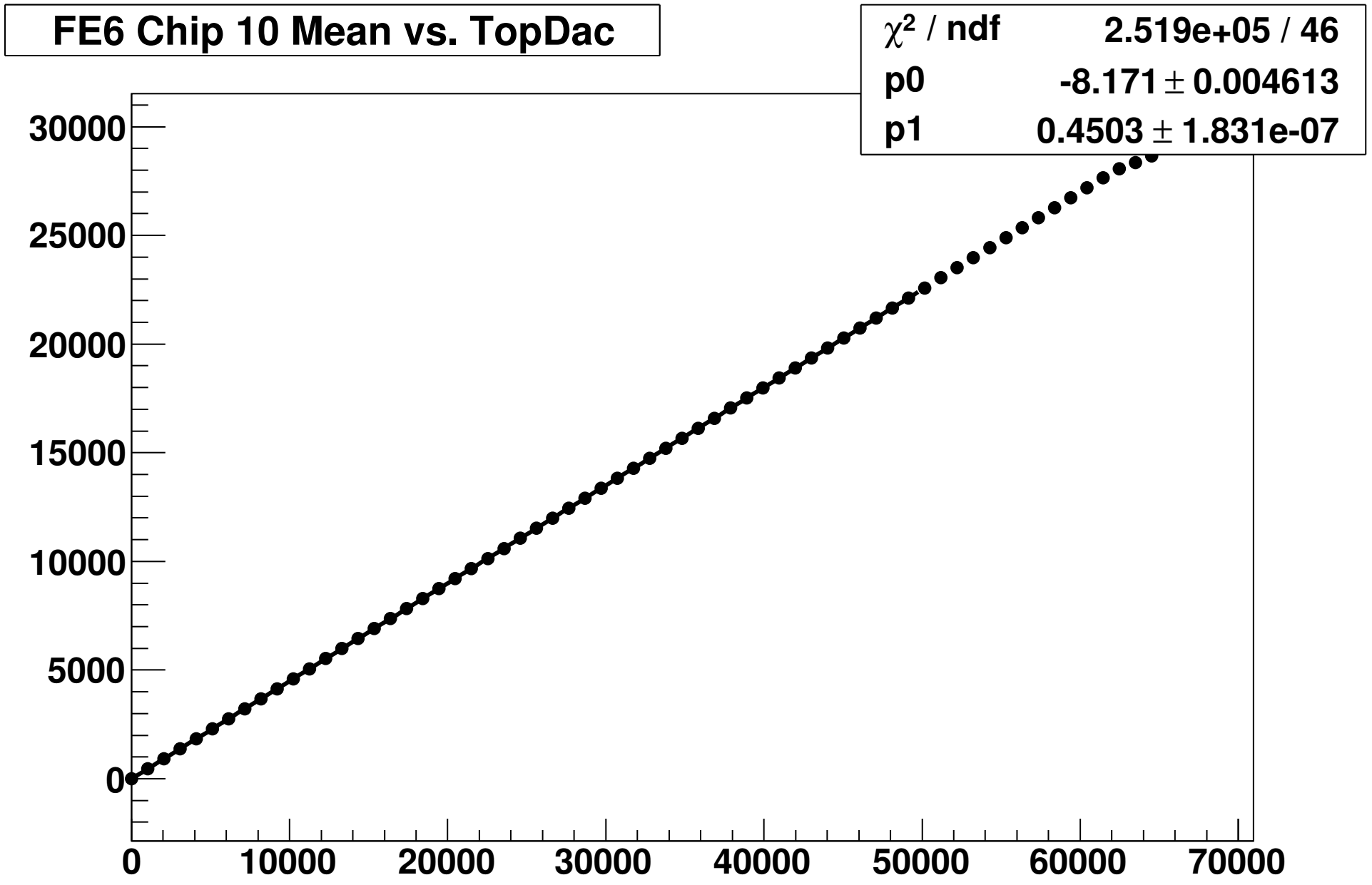

FE6 Chip 10 Rms vs. BotDac
χ² / ndf 57.01 / 46
p0 1.503 ± 0.001617
p1 -3.116e-13 ± 4.548e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 2.519e+05 / 46
p0 -8.171 ± 0.004613
p1 0.4503 ± 1.831e-07
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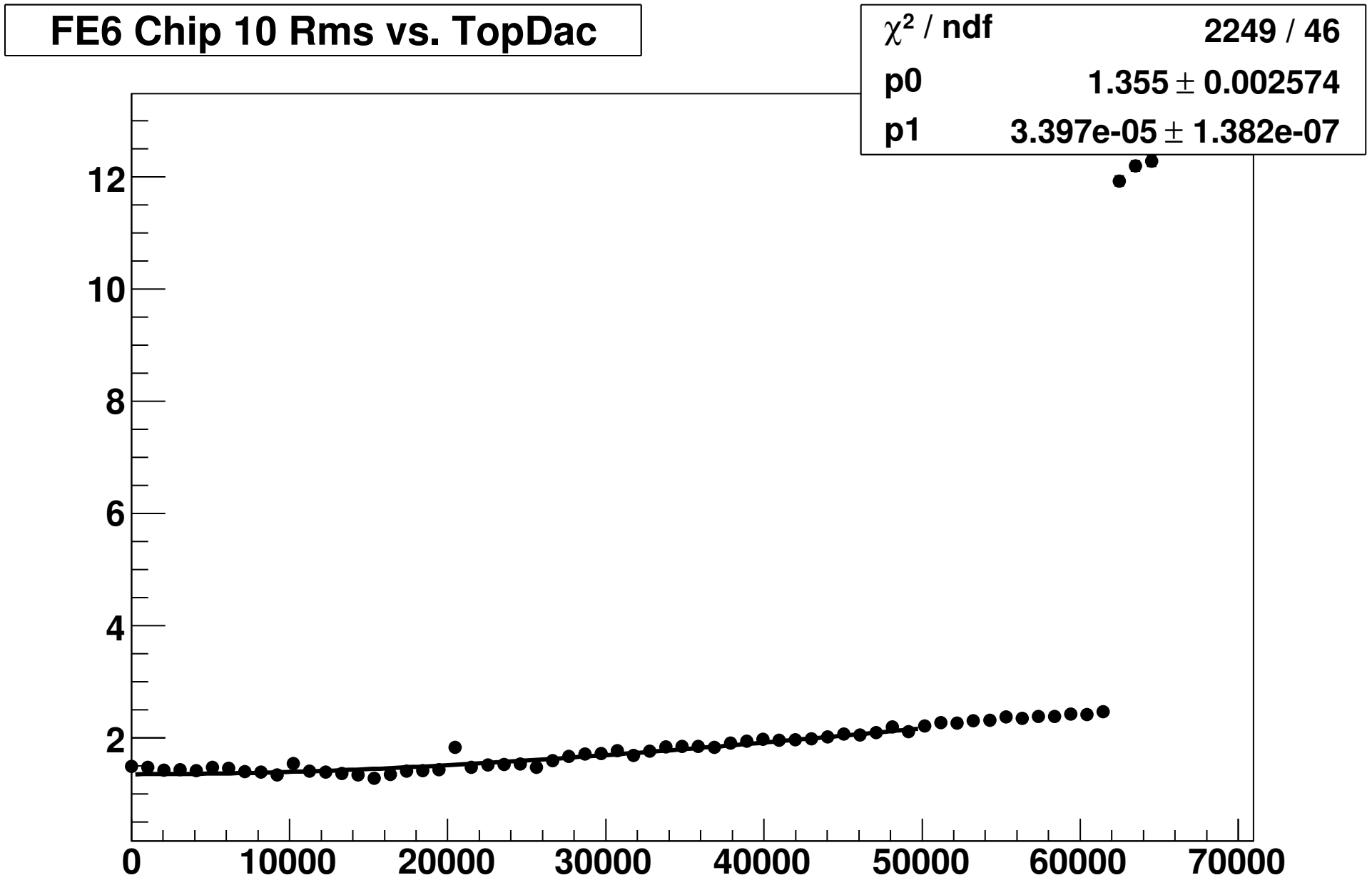
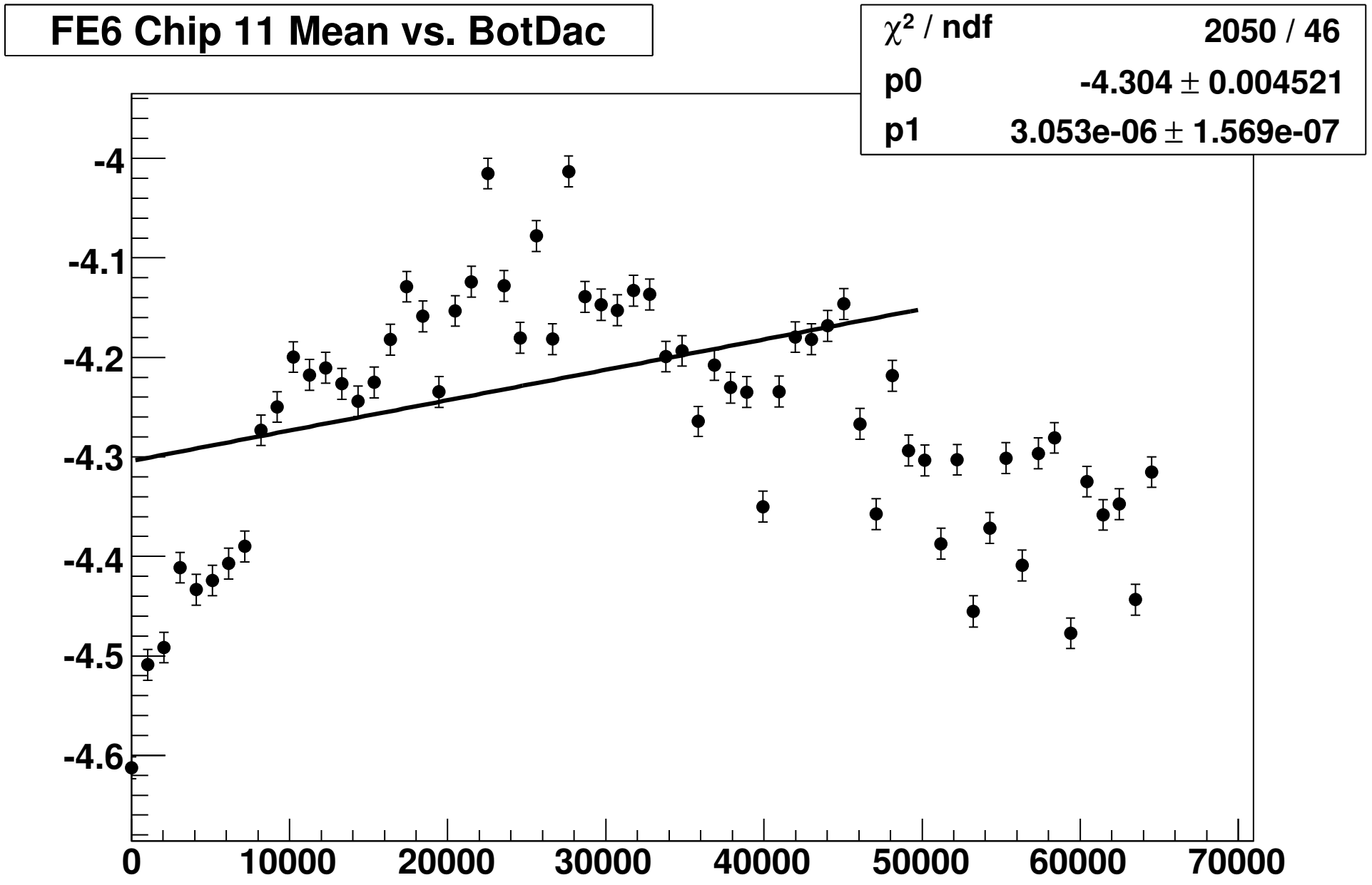
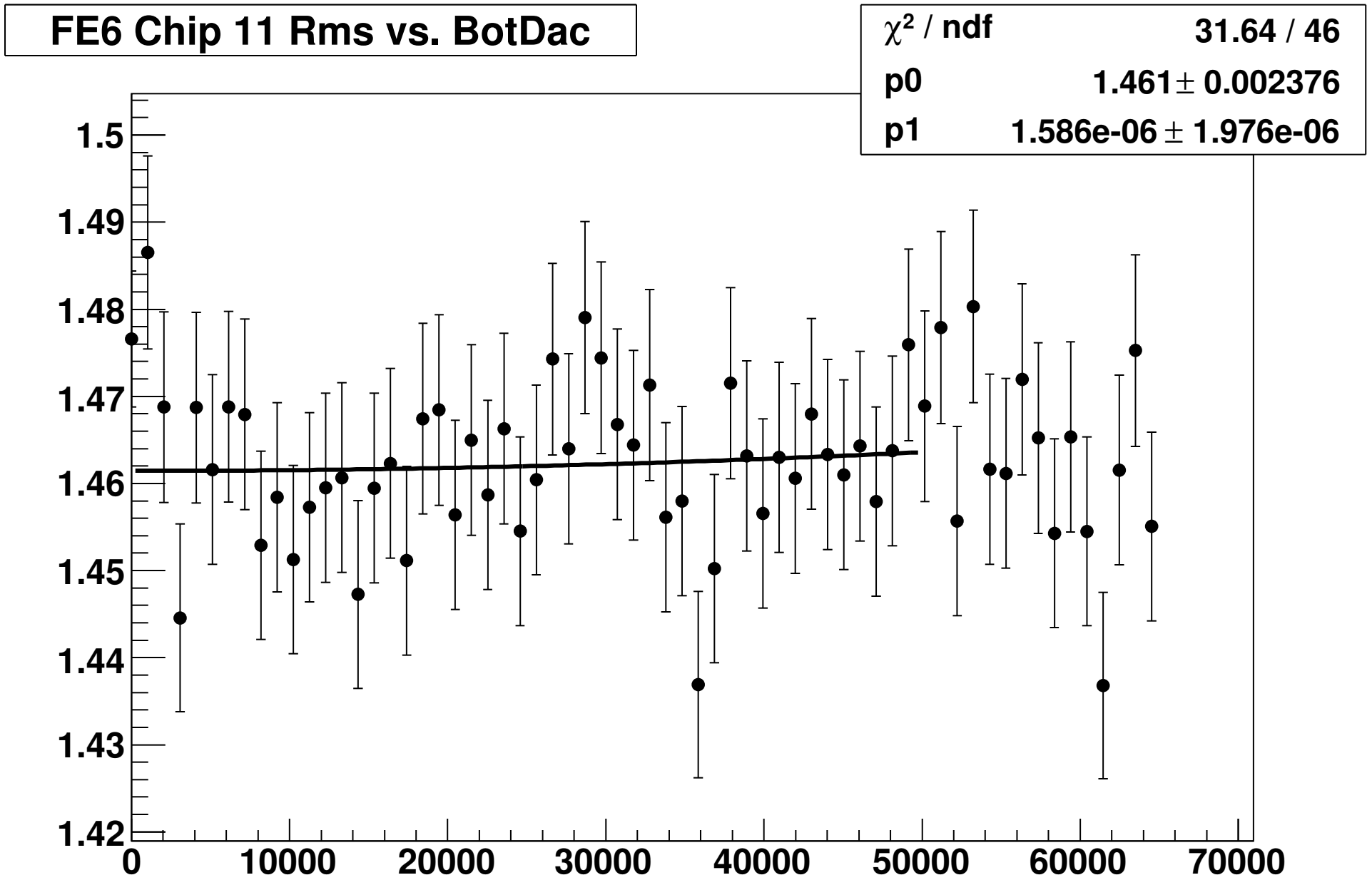
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 2249 / 46
p0 1.355 ± 0.002574
p1 3.397e-05 ± 1.382e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 2050 / 46
p0 -4.304 ± 0.004521
p1 3.053e-06 ± 1.569e-07
-4
-4.1
-4.2
-4.3
-4.4
-4.5
-4.6
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. BotDac
χ² / ndf 31.64 / 46
p0 1.461 ± 0.002376
p1 1.586e-06 ± 1.976e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
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60000
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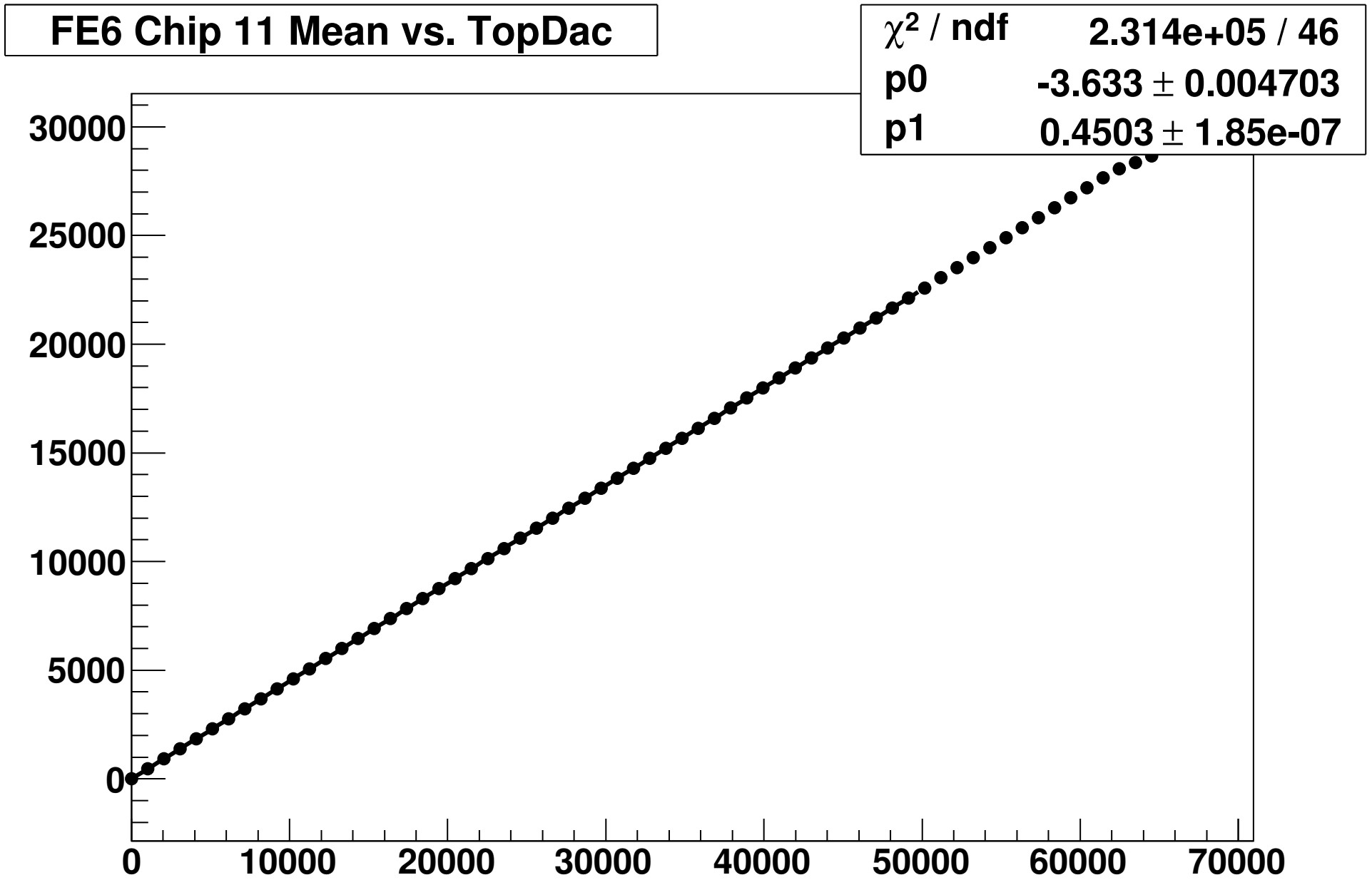
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 2.314e+05 / 46
p0 -3.633 ± 0.004703
p1 0.4503 ± 1.85e-07
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20000
15000
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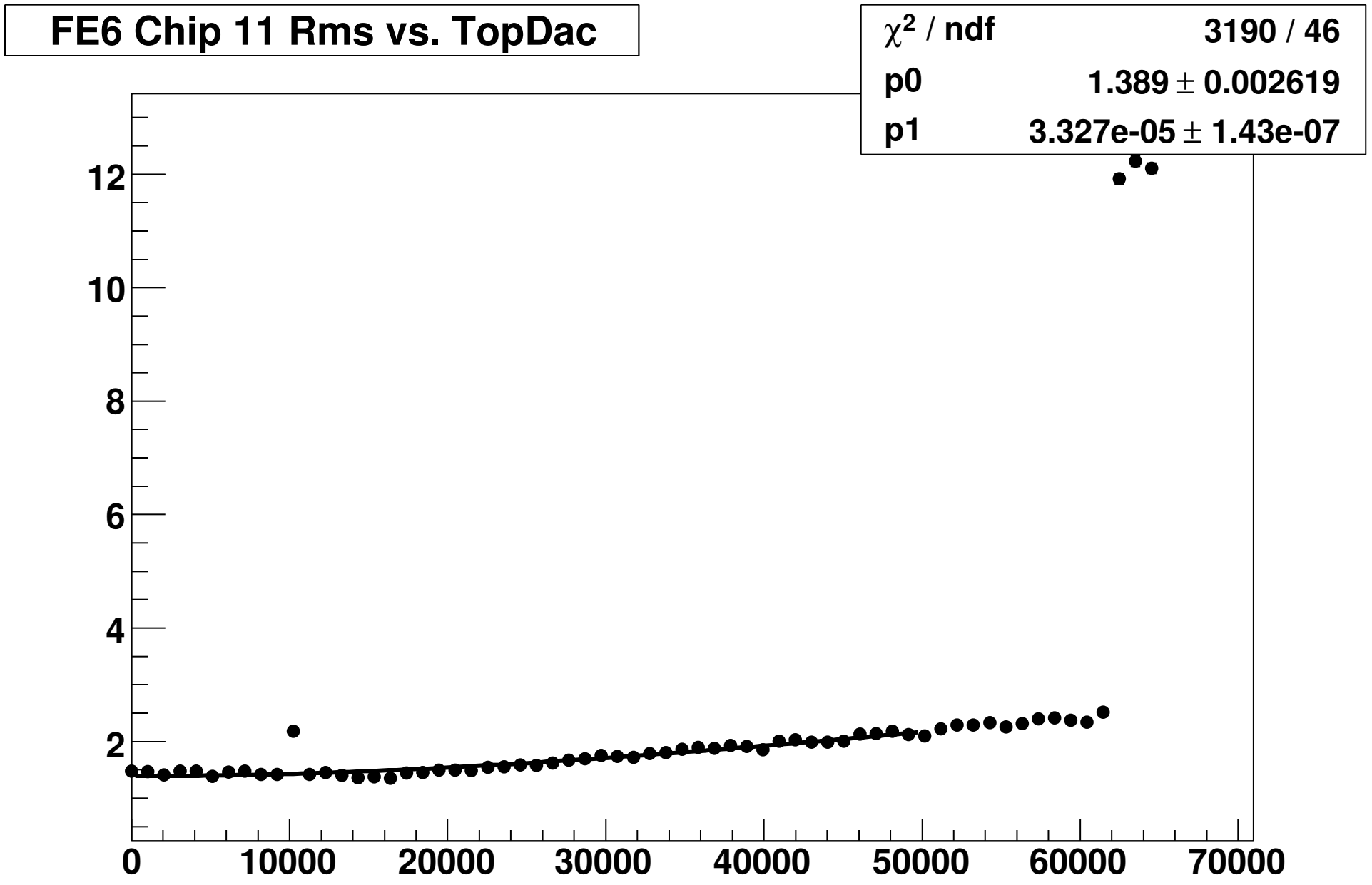
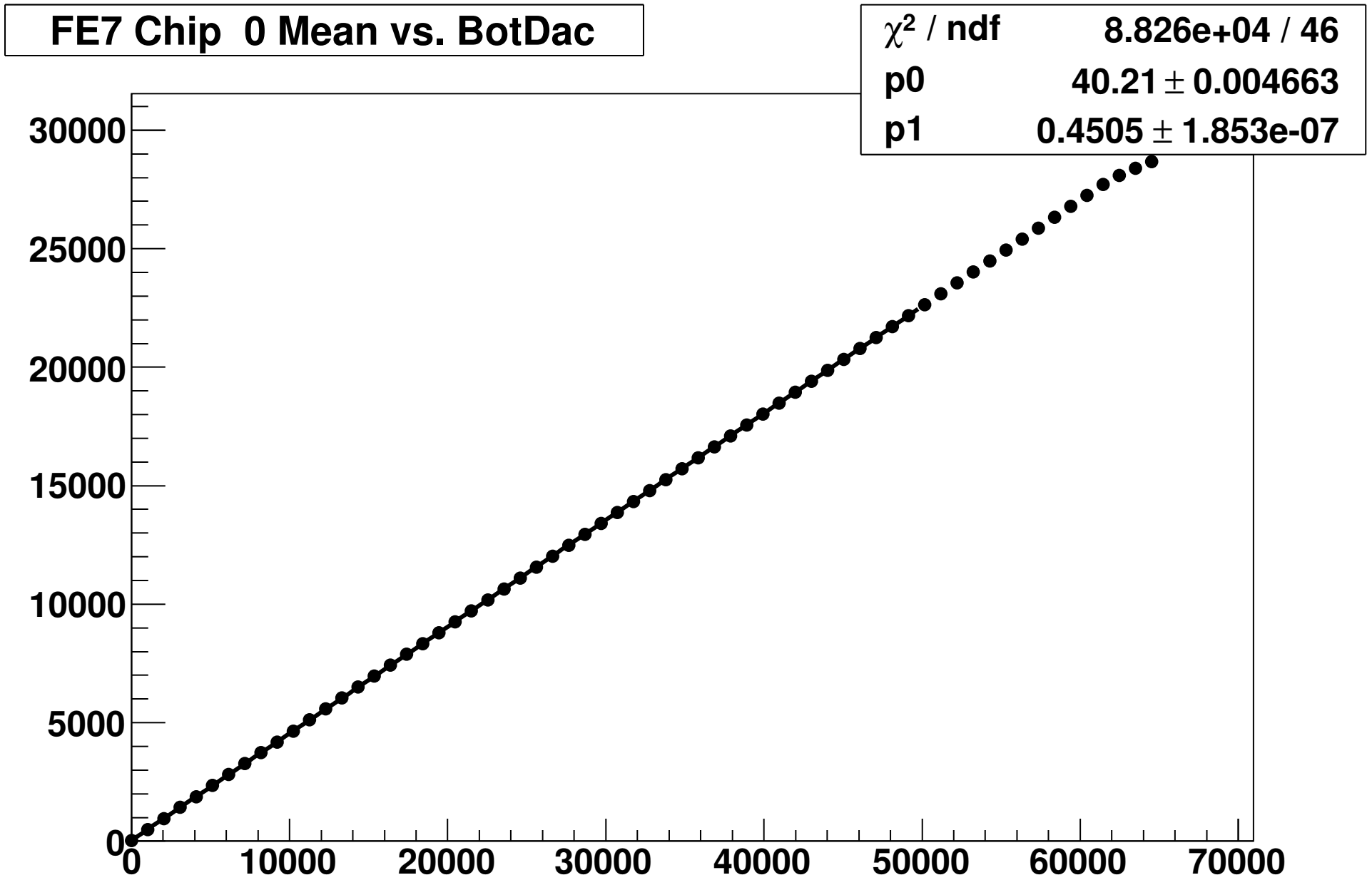
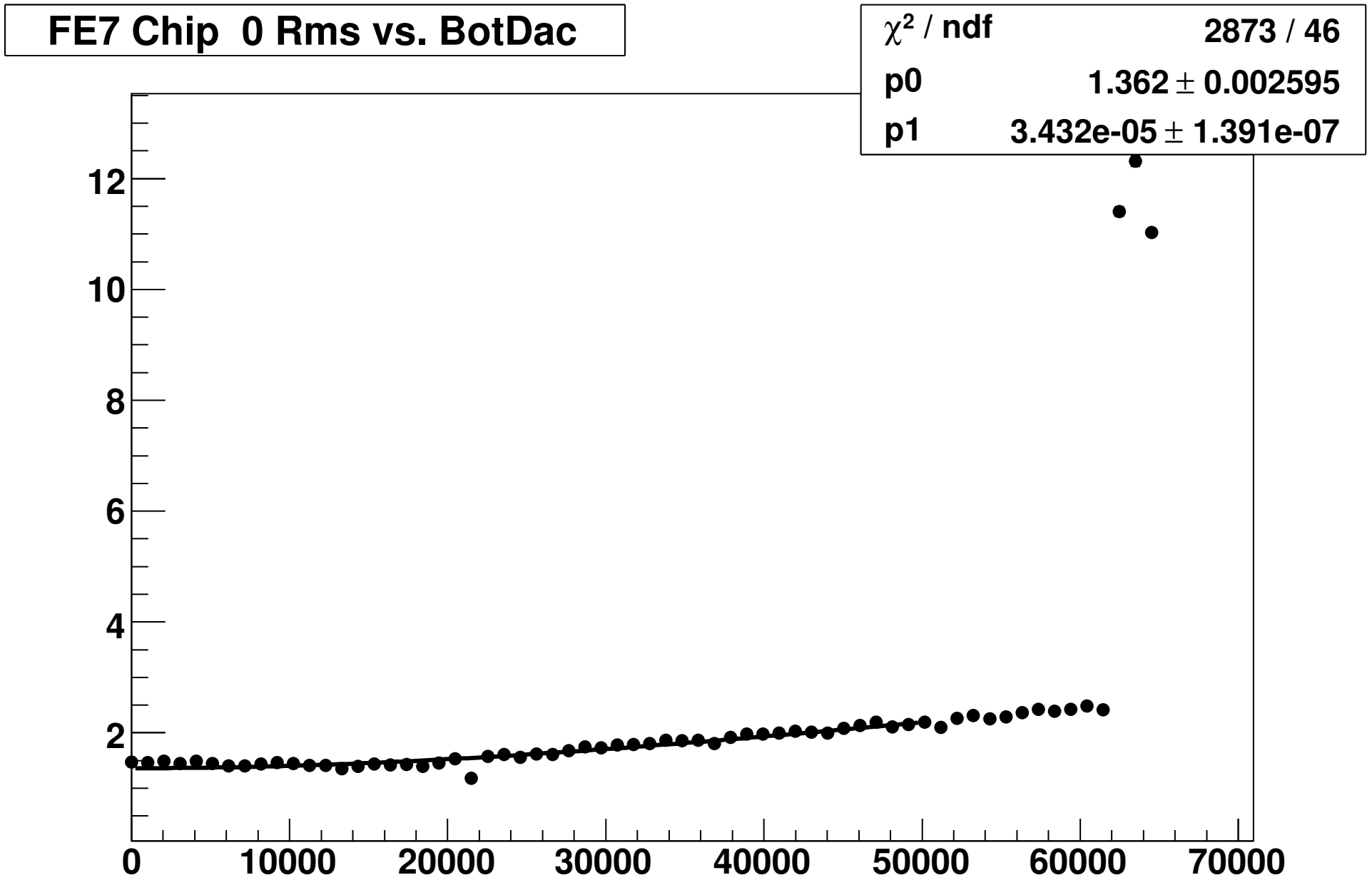
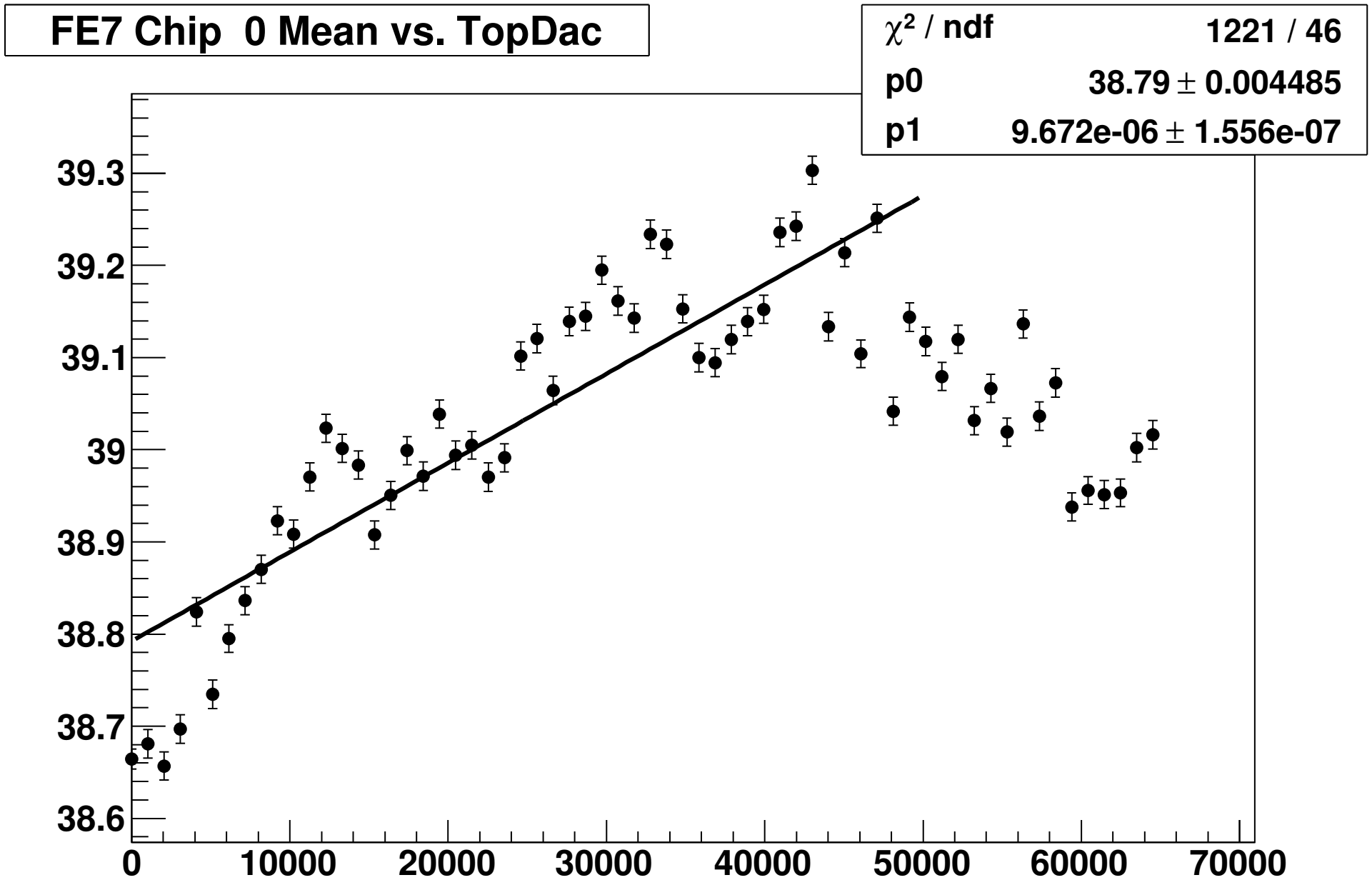
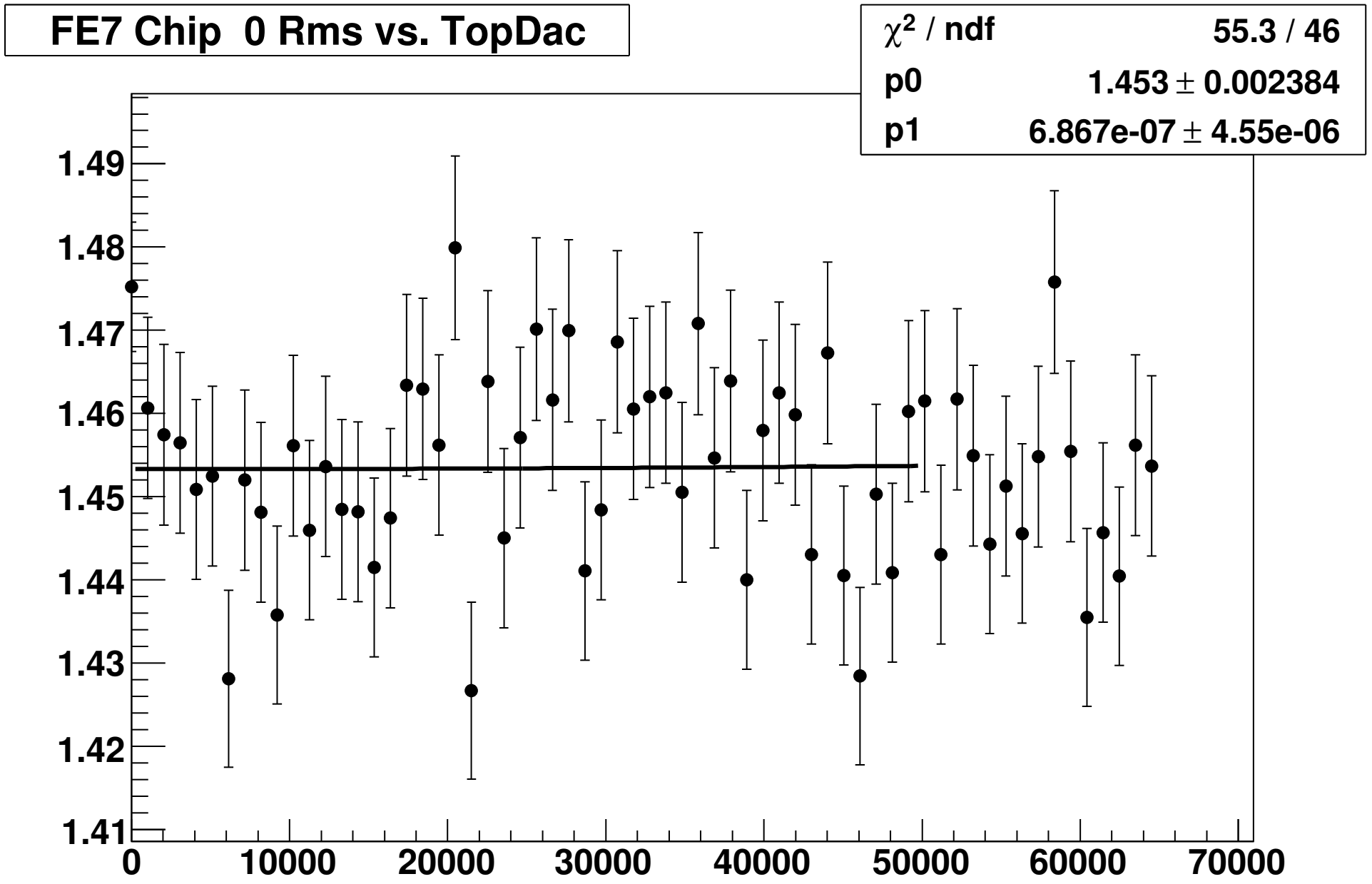
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 11 Rms vs. TopDac
χ² / ndf 3190 / 46
p0 1.389 ± 0.002619
p1 3.327e-05 ± 1.43e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 8.826e+04 / 46
p0 40.21 ± 0.004663
p1 0.4505 ± 1.853e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 2873 / 46
p0 1.362 ± 0.002595
p1 3.432e-05 ± 1.391e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. TopDac
χ² / ndf 1221 / 46
p0 38.79 ± 0.004485
p1 9.672e-06 ± 1.556e-07
39.3
39.2
39.1
39
38.9
38.8
38.7
38.6
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 55.3 / 46
p0 1.453 ± 0.002384
p1 6.867e-07 ± 4.55e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
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50000
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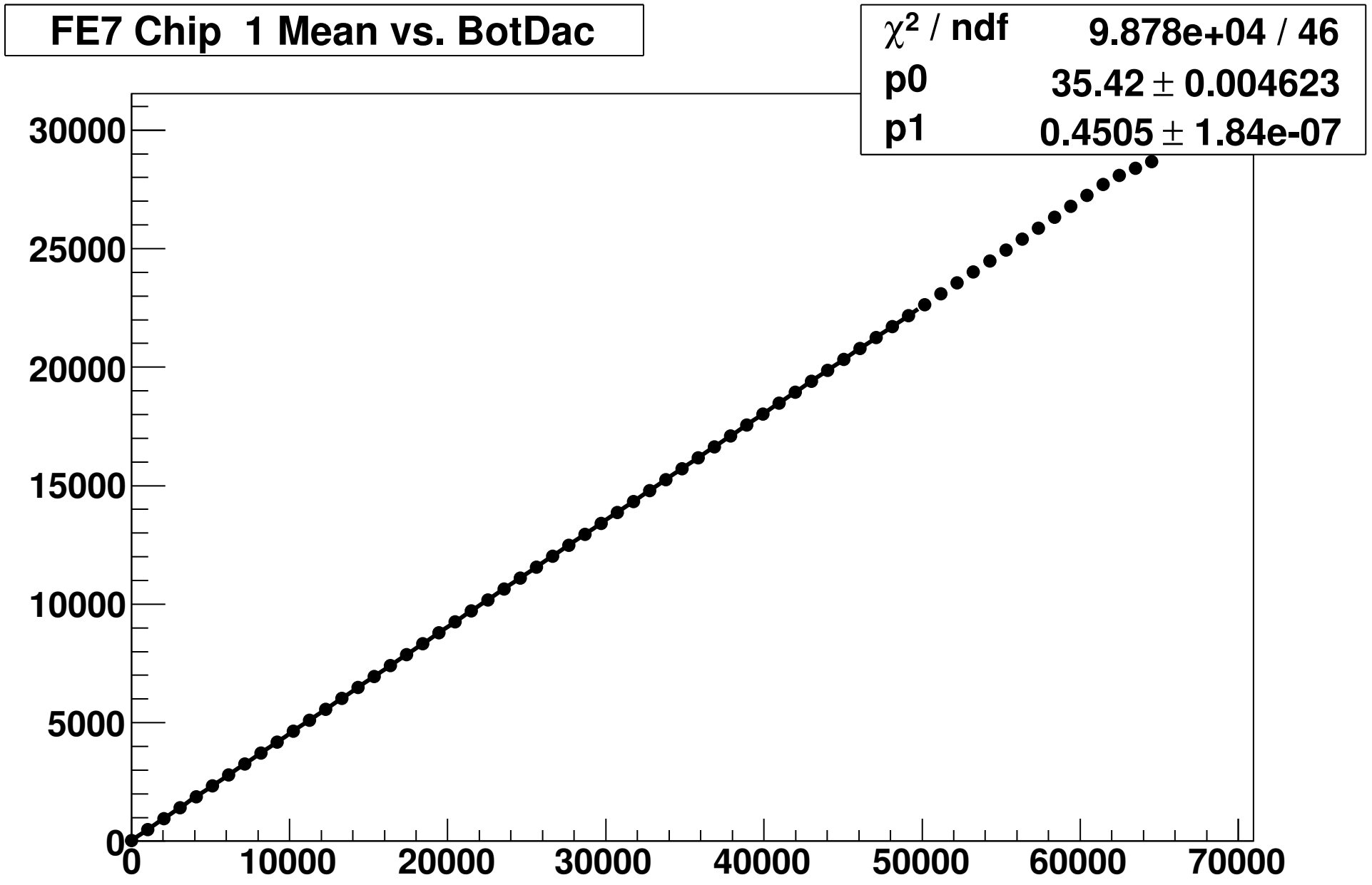
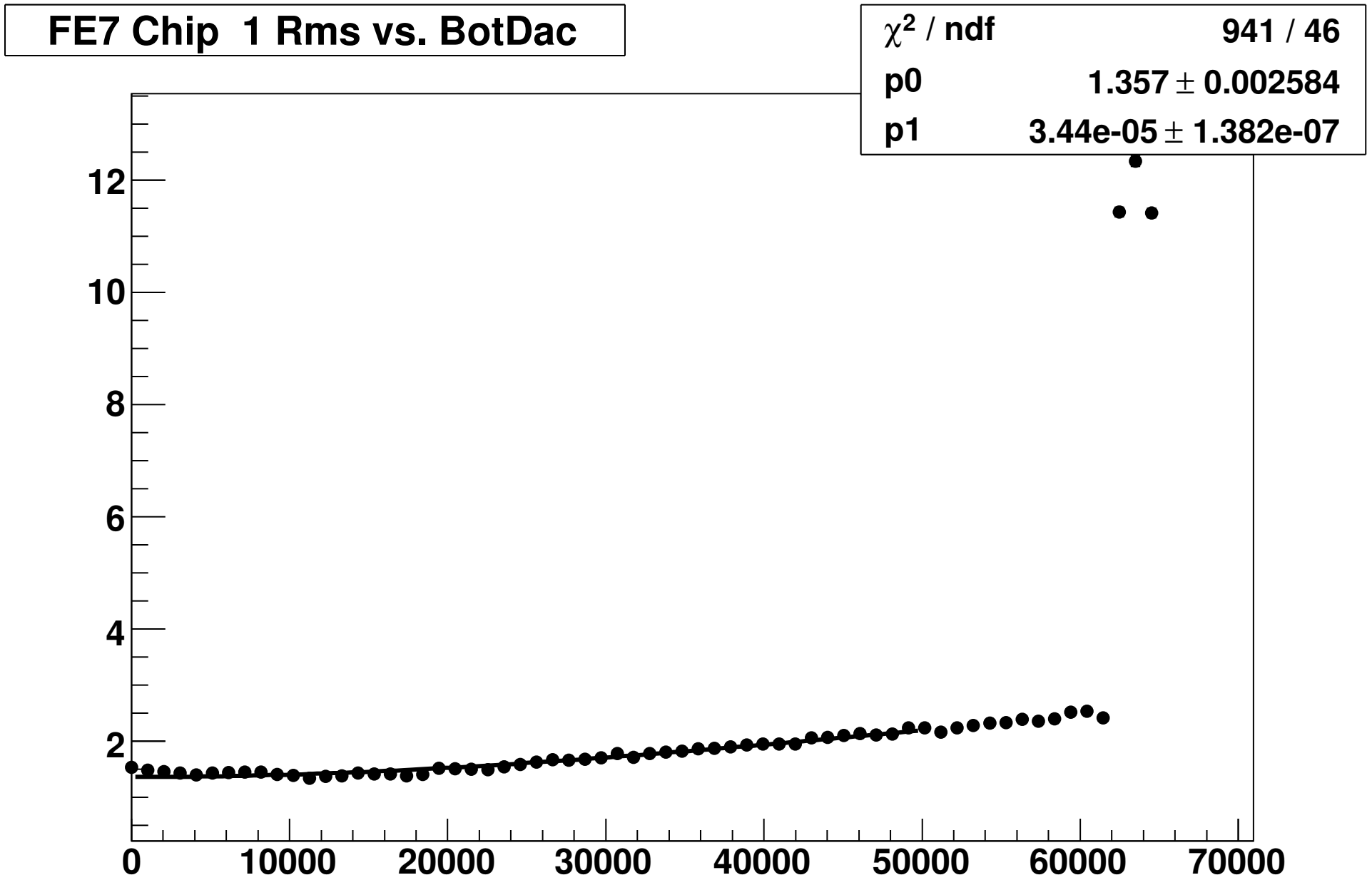

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 9.878e+04 / 46
p0 35.42 ± 0.004623
p1 0.4505 ± 1.84e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 941 / 46
p0 1.357 ± 0.002584
p1 3.44e-05 ± 1.382e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
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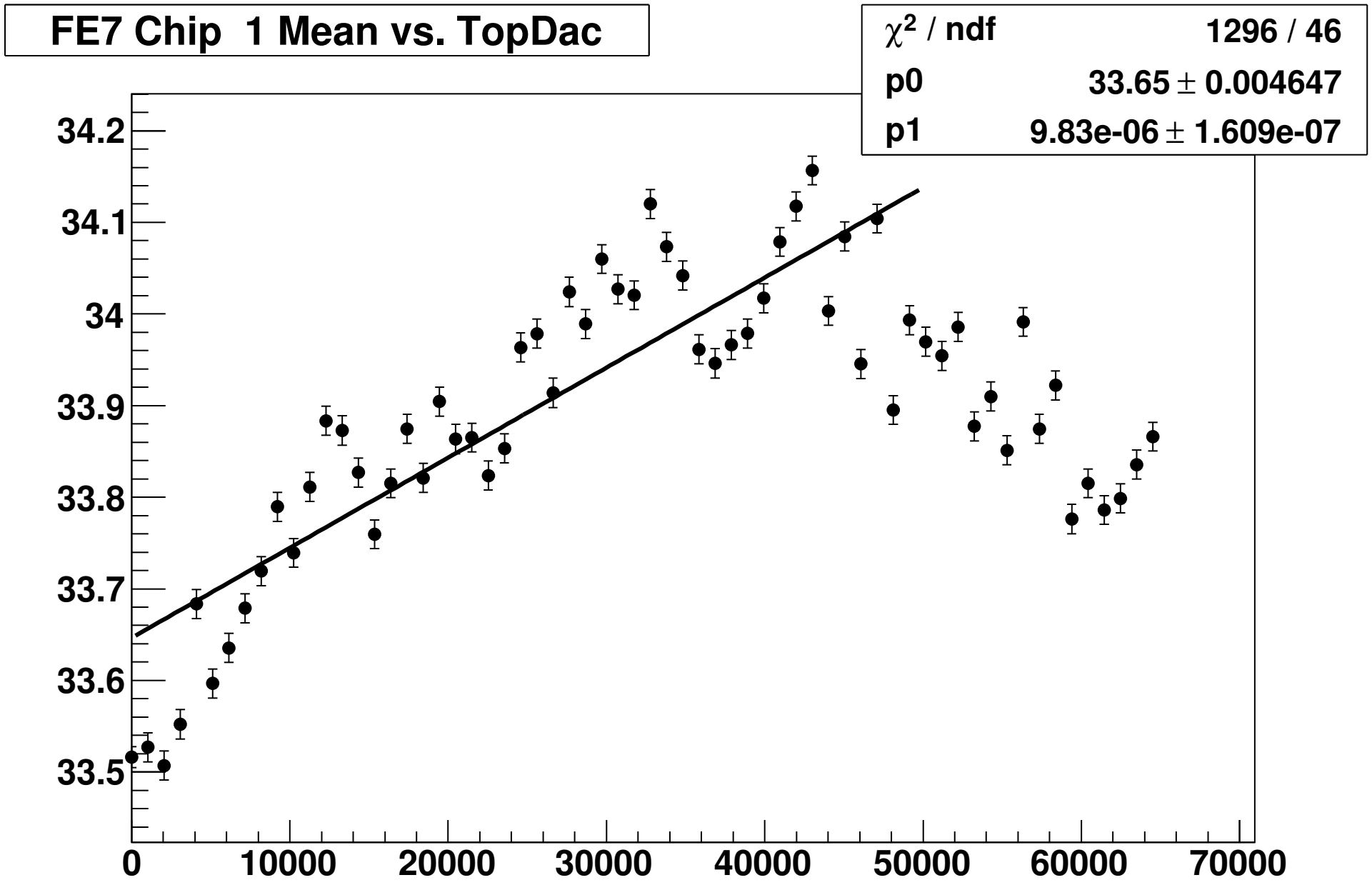
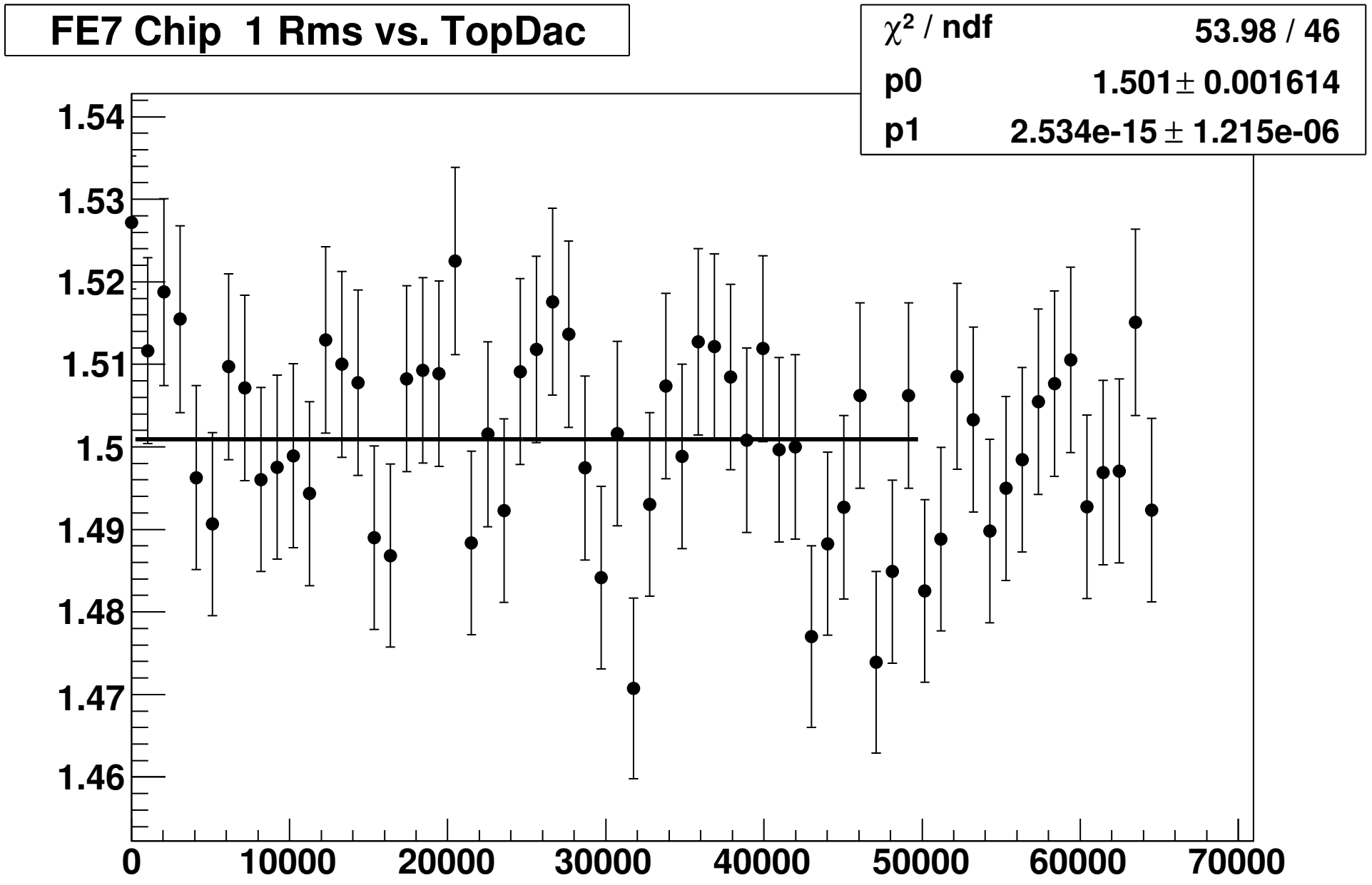
70000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 1296 / 46
p0 33.65 ± 0.004647
p1 9.83e-06 ± 1.609e-07
34.2
34.1
34
33.9
33.8
33.7
33.6
33.5
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 53.98 / 46
p0 1.501 ± 0.001614
p1 2.534e-15 ± 1.215e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
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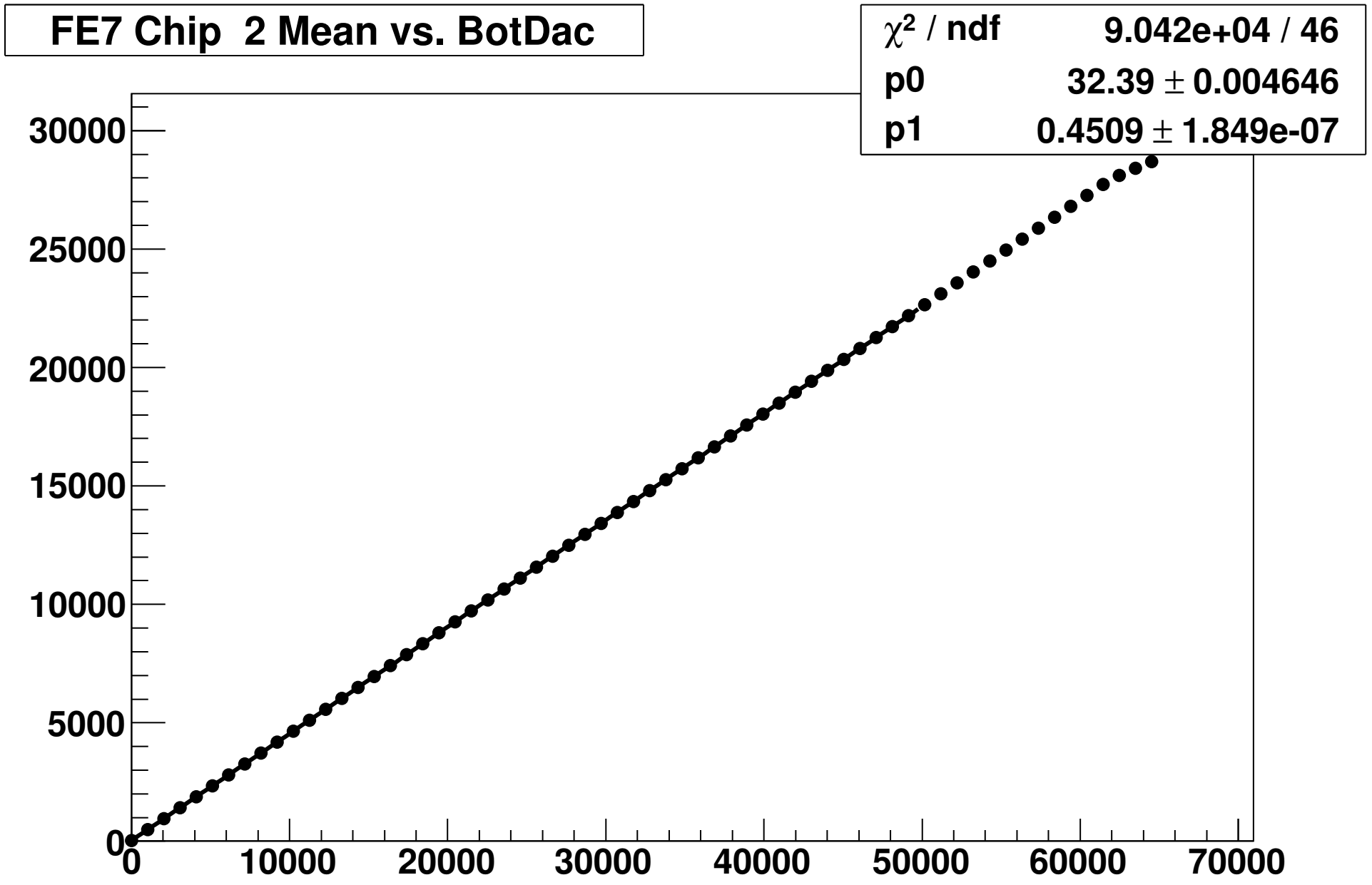
FE7 Chip 2 Mean vs. BotDac
χ² / ndf 9.042e+04 / 46
p0 32.39 ± 0.004646
p1 0.4509 ± 1.849e-07
30000
25000
20000
15000
10000
5000
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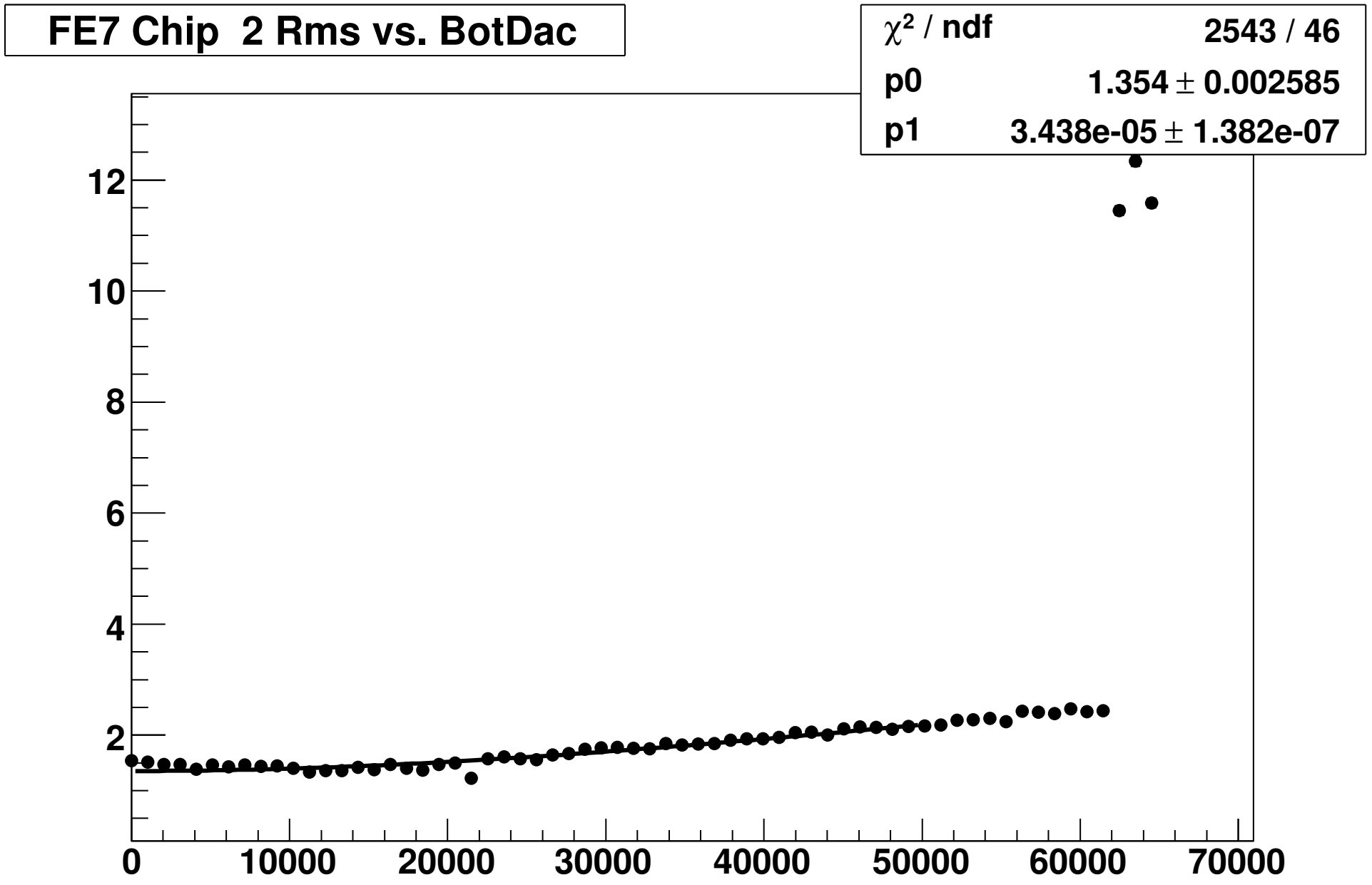
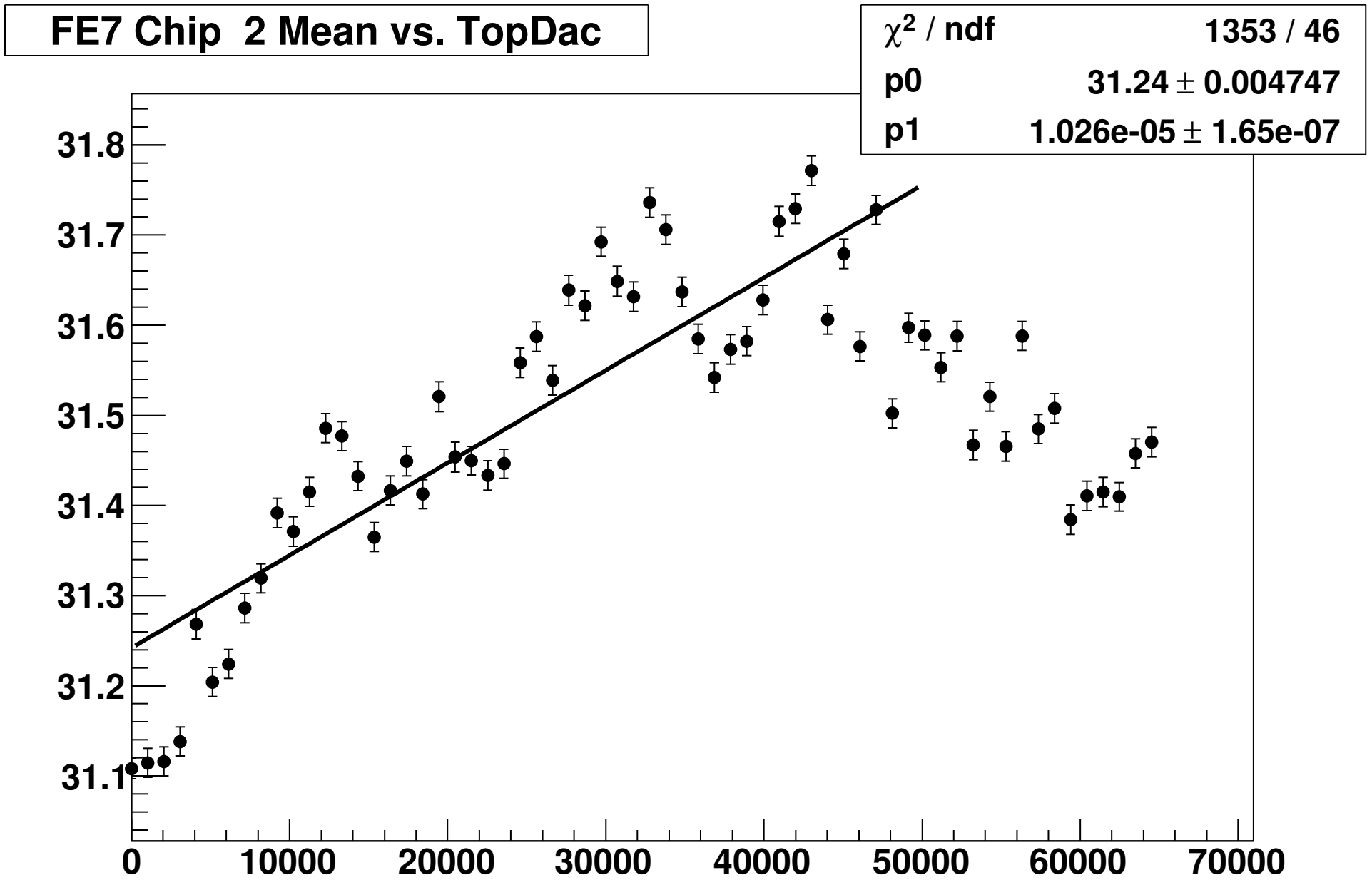
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 2543 / 46
p0 1.354 ± 0.002585
p1 3.438e-05 ± 1.382e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 1353 / 46
p0 31.24 ± 0.004747
p1 1.026e-05 ± 1.65e-07
31.8
31.7
31.6
31.5
31.4
31.3
31.2
31.1
0
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20000
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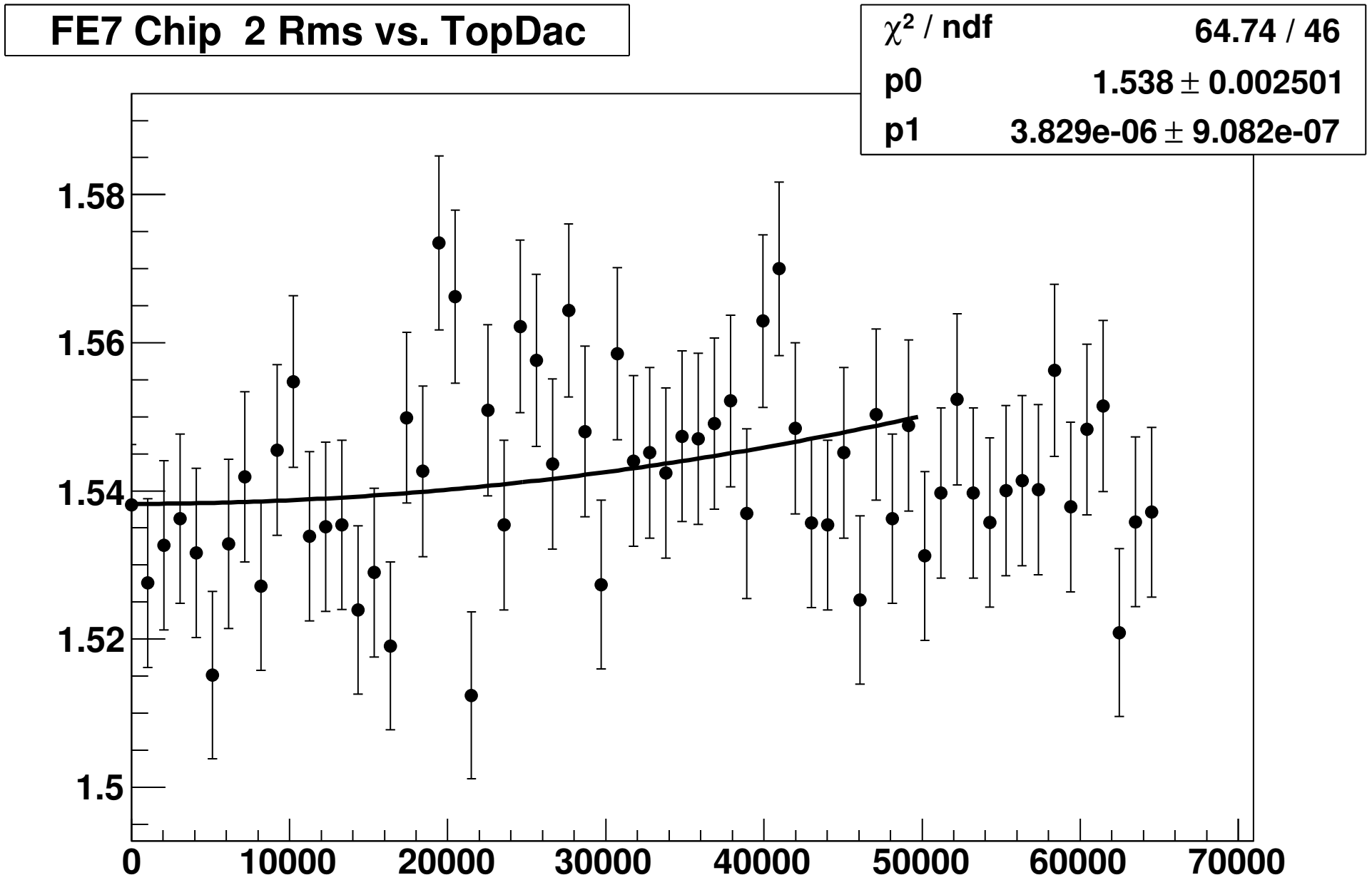
50000
60000
70000


FE7 Chip 2 Rms vs. TopDac
χ² / ndf 64.74 / 46
p0 1.538 ± 0.002501
p1 3.829e-06 ± 9.082e-07
1.58
1.56
1.54
1.52
1.5
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60000
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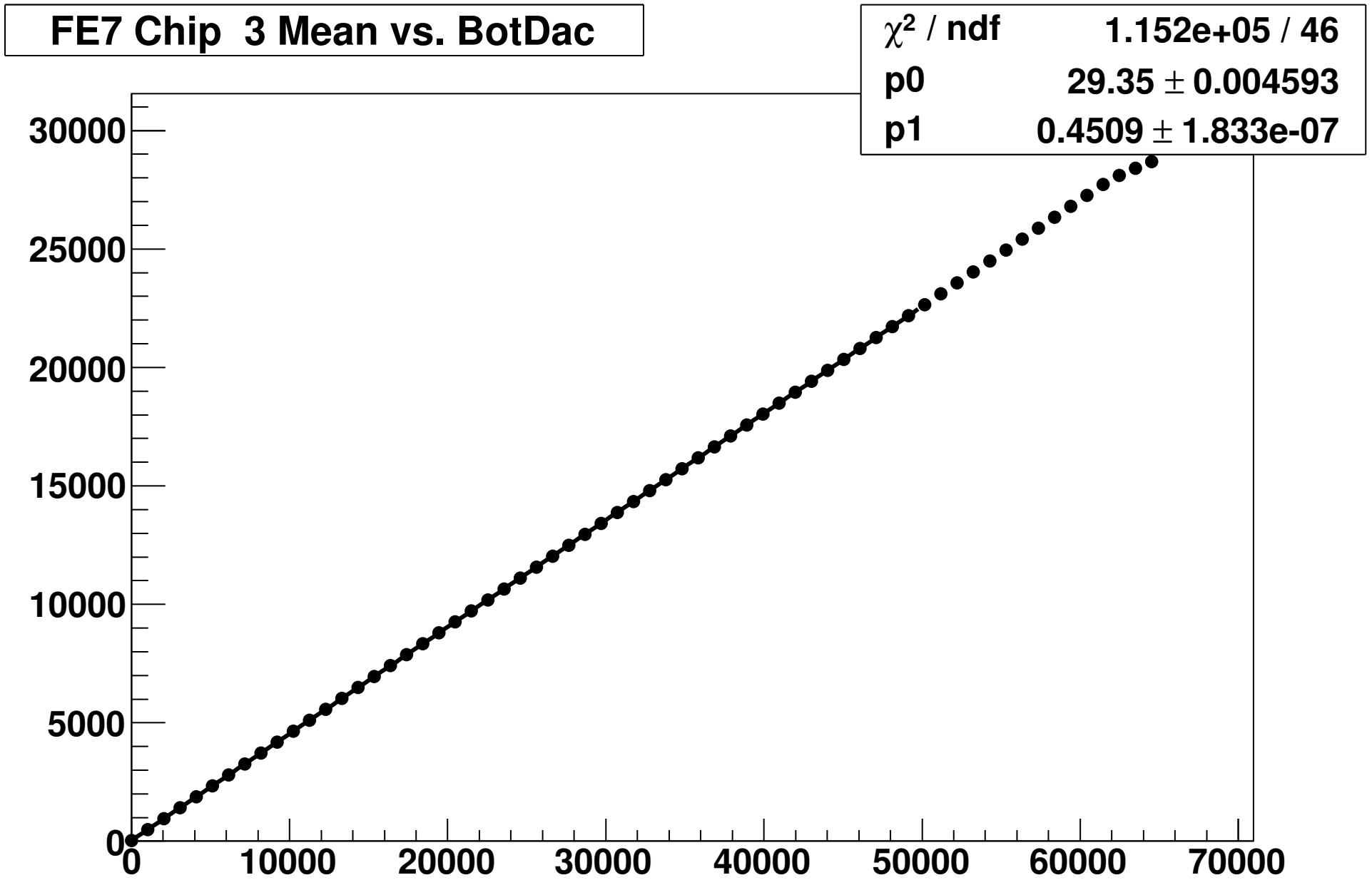
FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.152e+05 / 46
p0 29.35 ± 0.004593
p1 0.4509 ± 1.833e-07
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25000
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15000
10000
5000
0
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10000
20000
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40000
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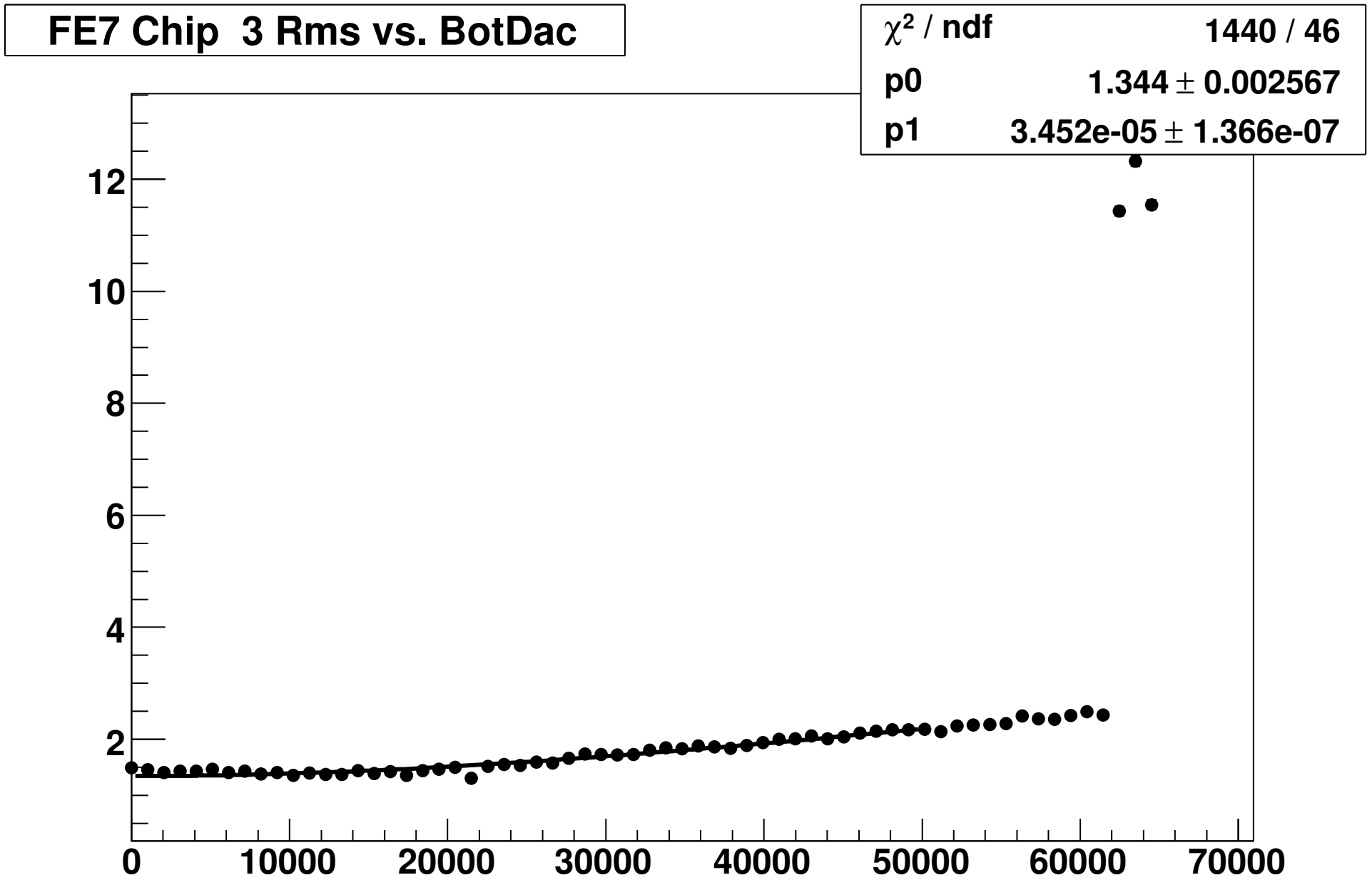
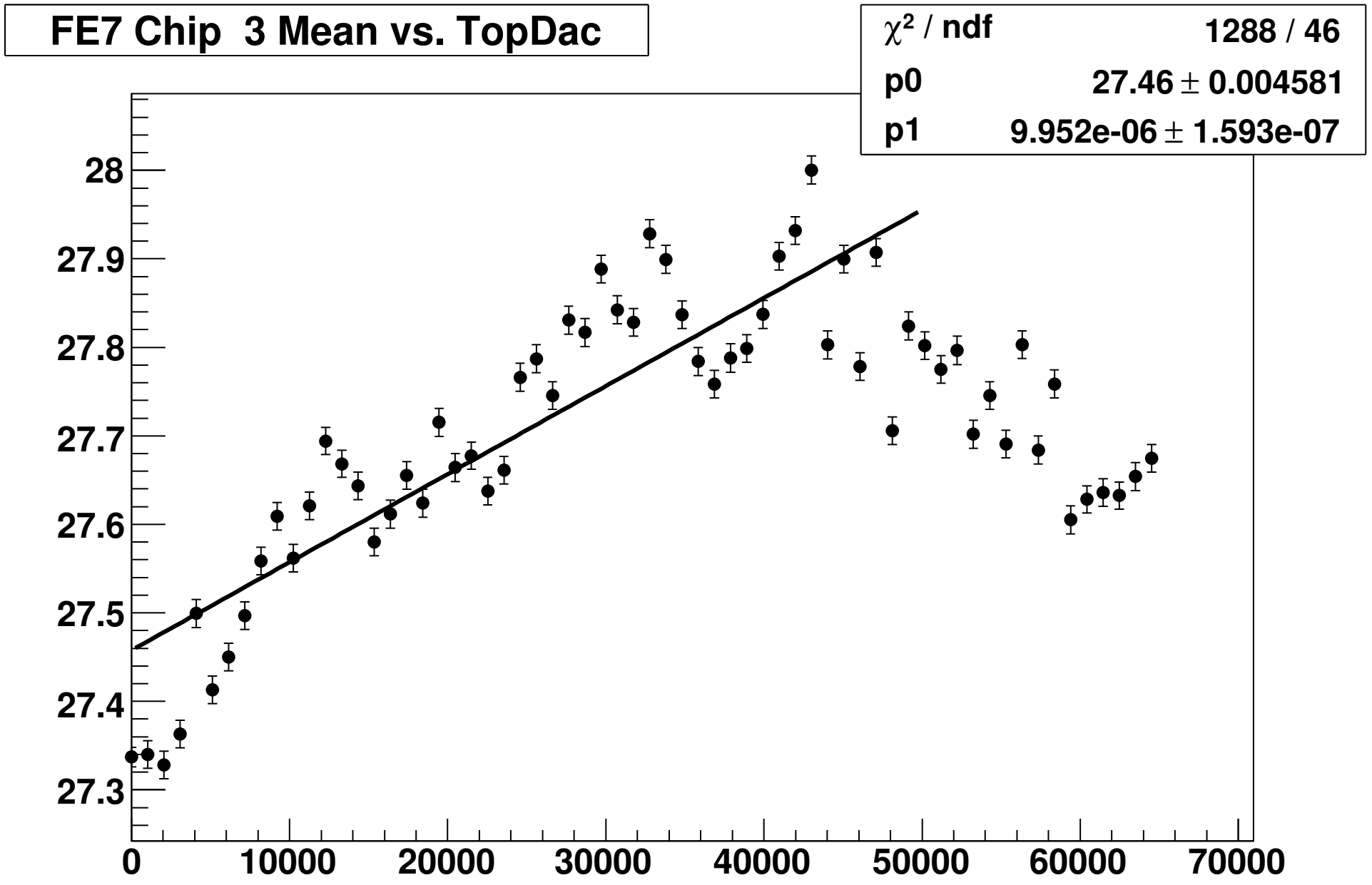

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1440 / 46
p0 1.344 ± 0.002567
p1 3.452e-05 ± 1.366e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 1288 / 46
p0 27.46 ± 0.004581
p1 9.952e-06 ± 1.593e-07
28
27.9
27.8
27.7
27.6
27.5
27.4
27.3
0
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20000
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60000
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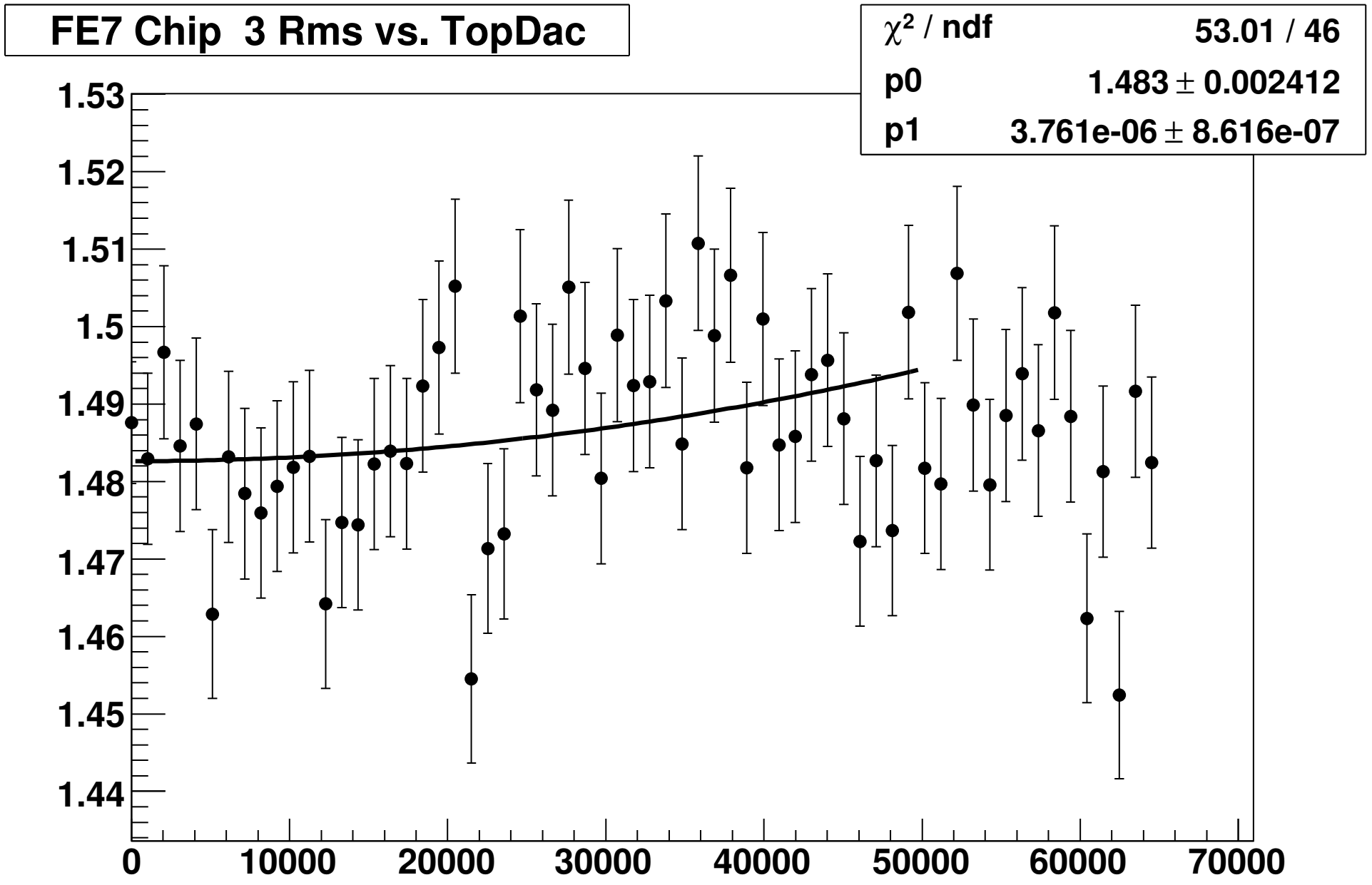
FE7 Chip 3 Rms vs. TopDac
χ² / ndf 53.01 / 46
p0 1.483 ± 0.002412
p1 3.761e-06 ± 8.616e-07
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
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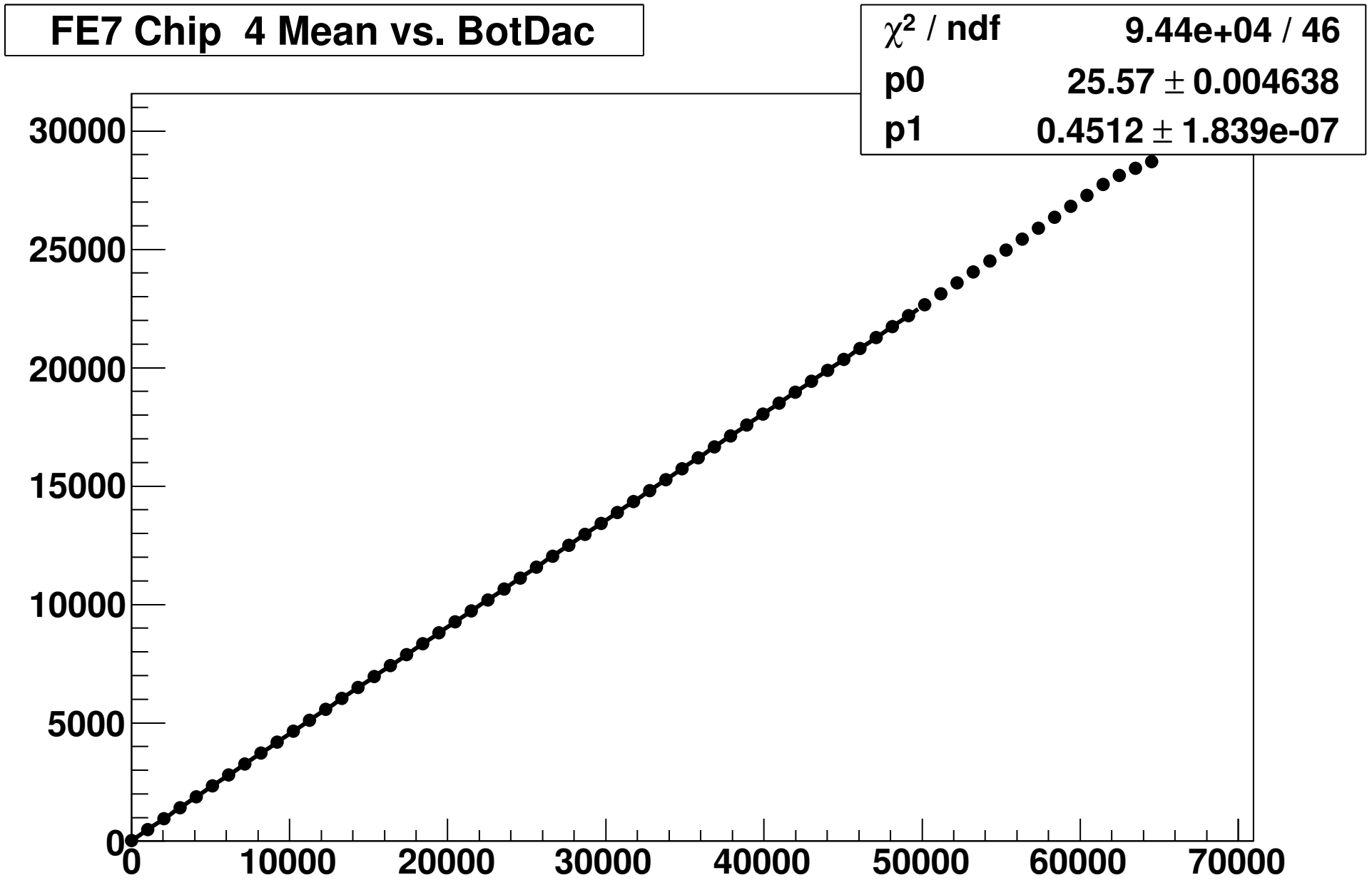
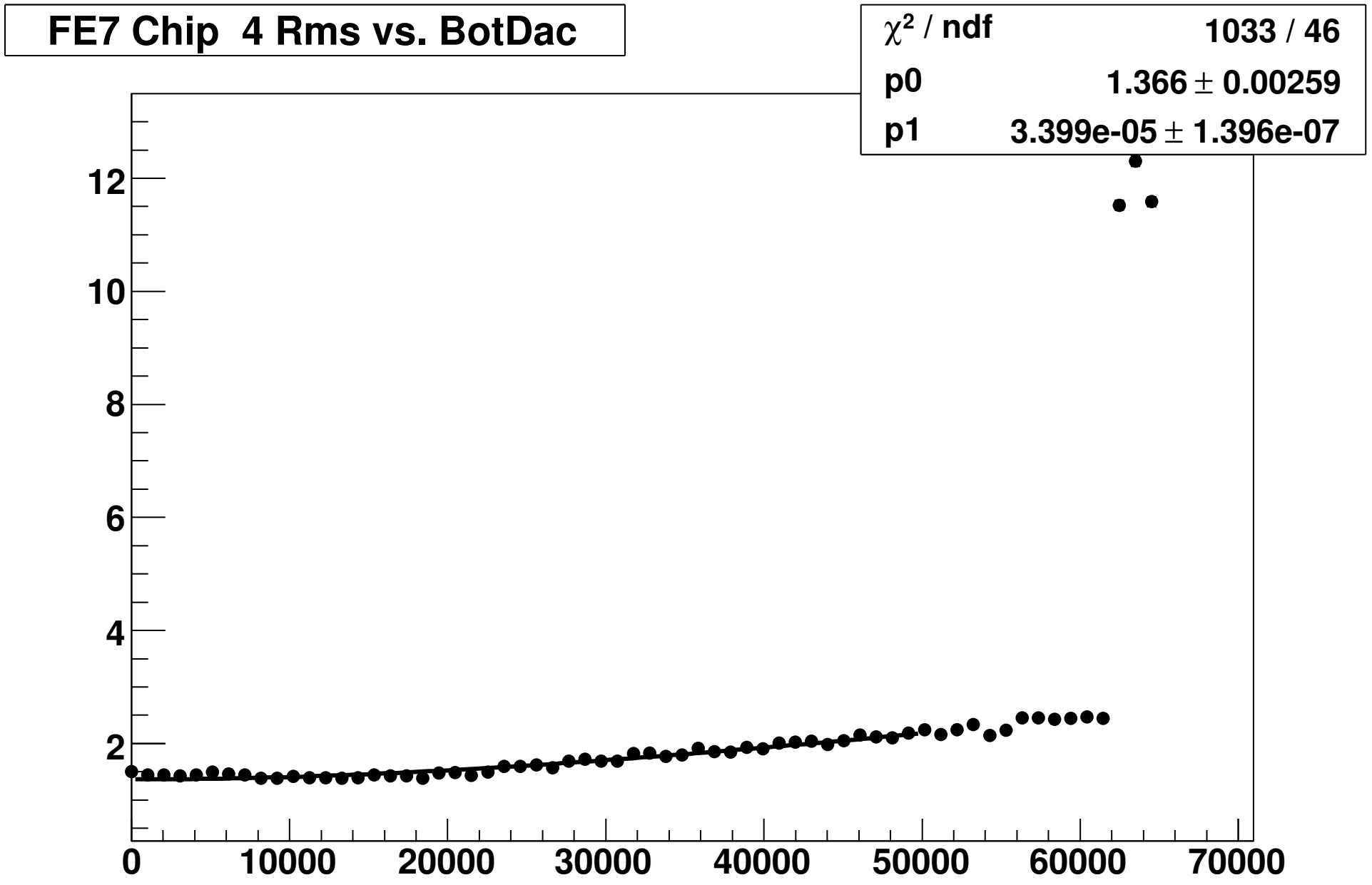
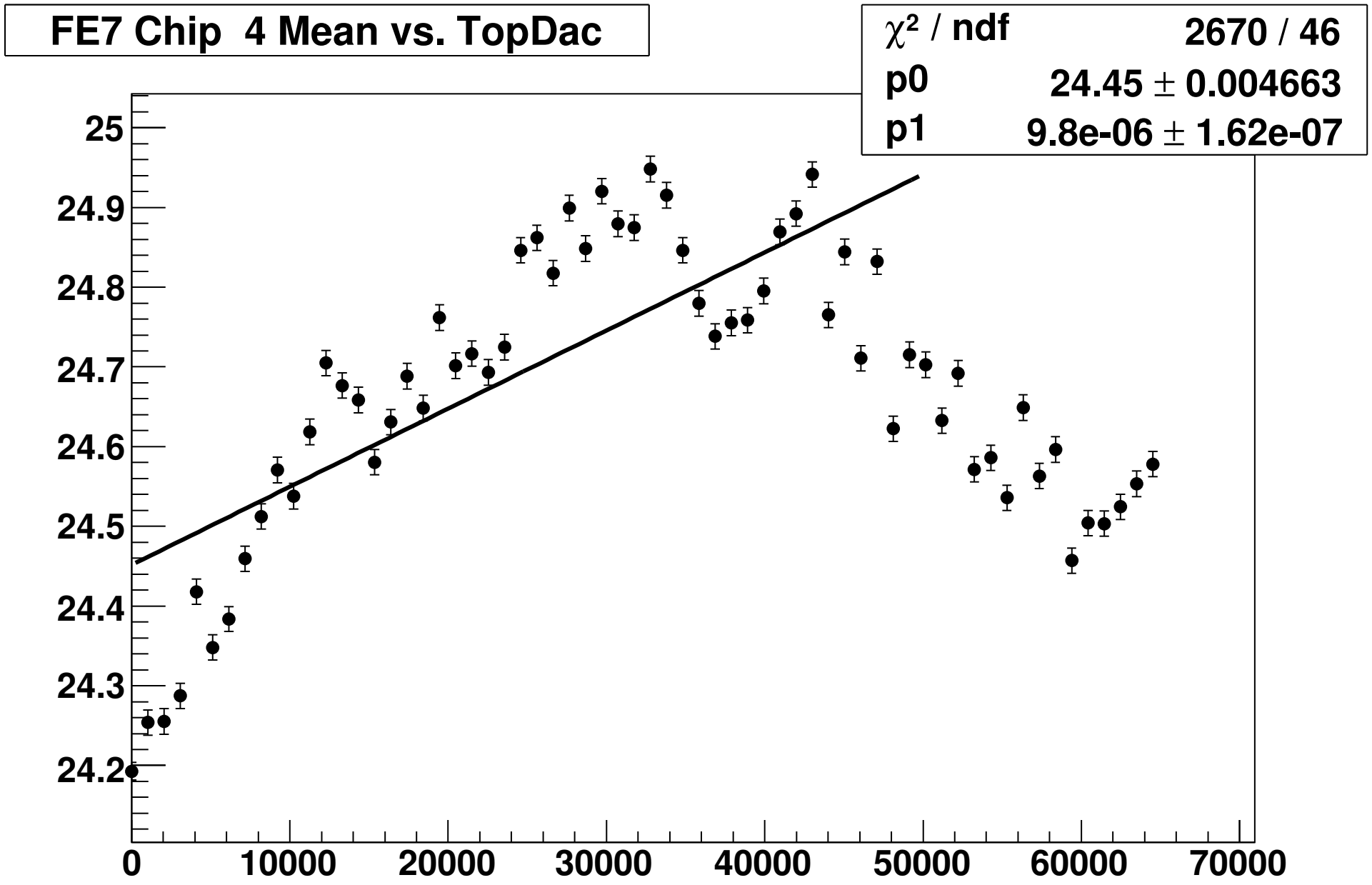
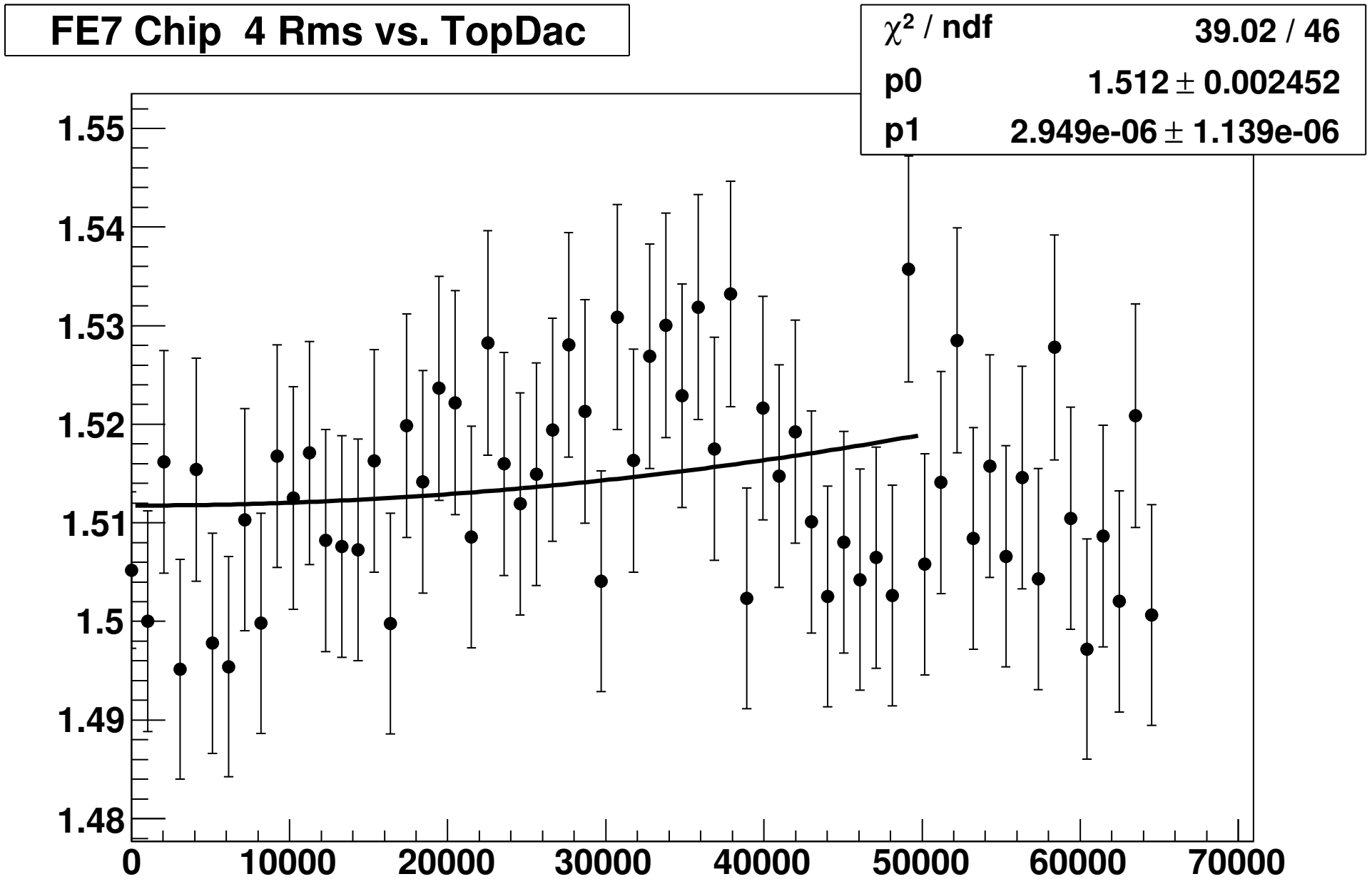
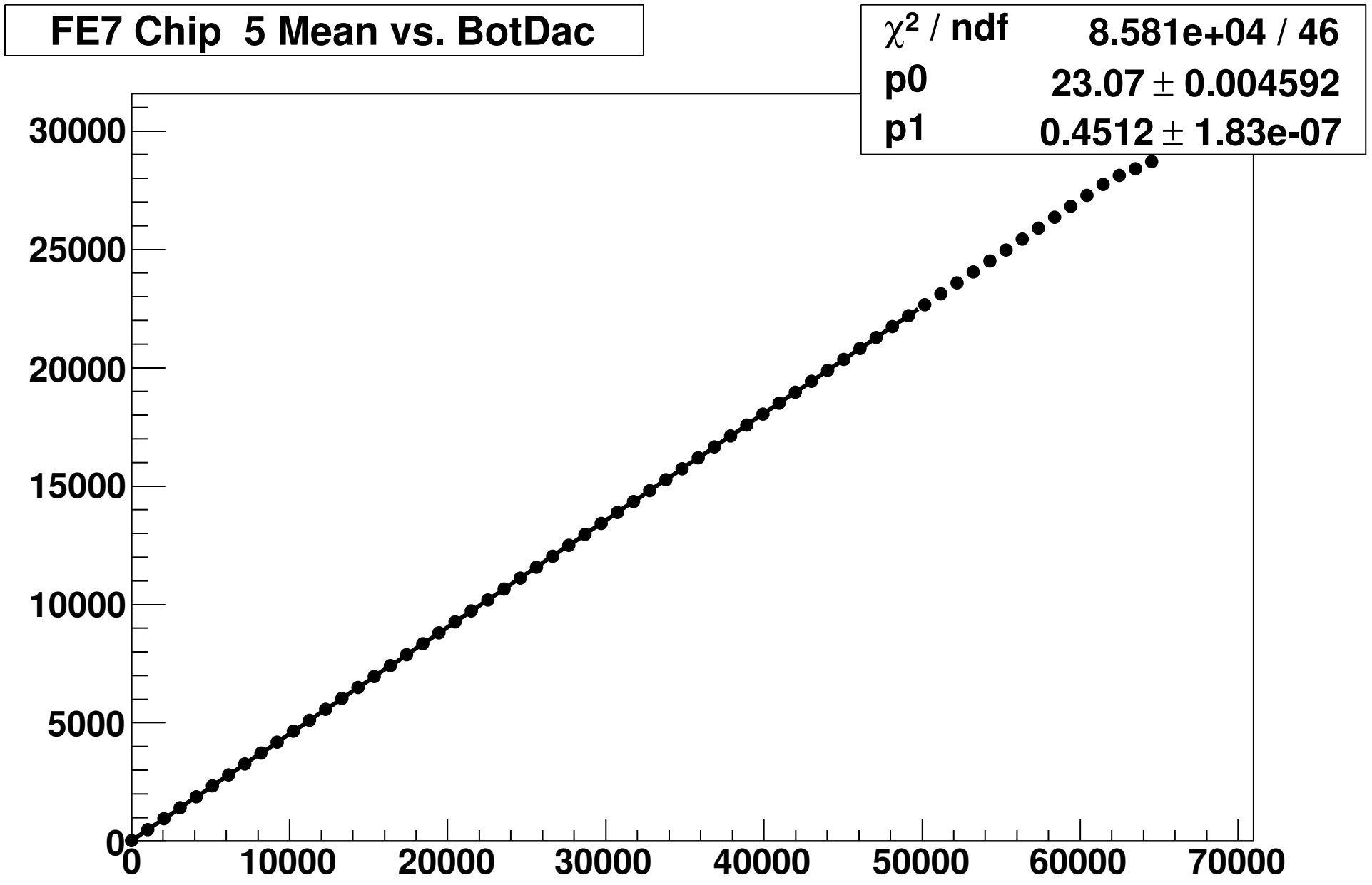
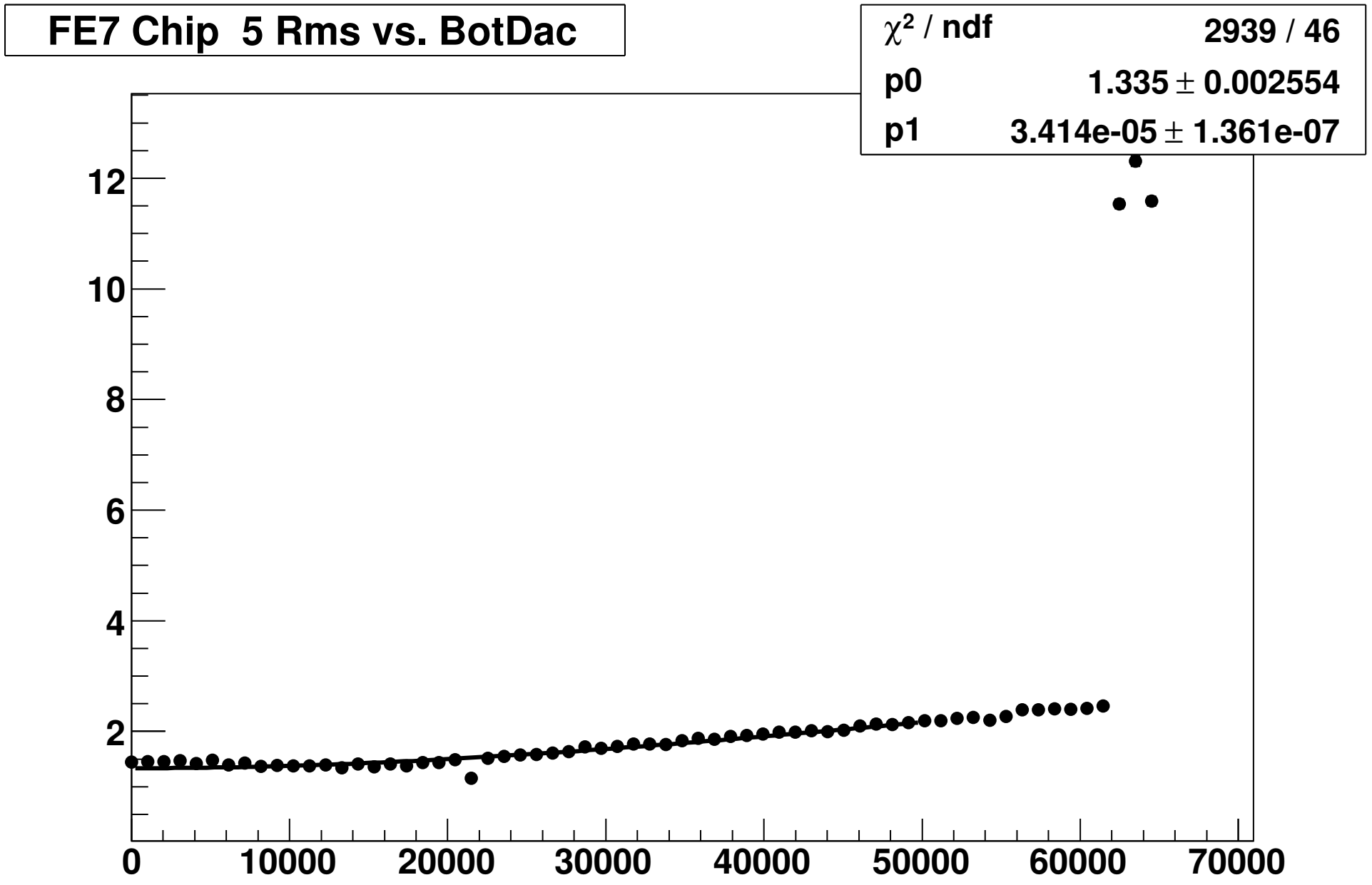

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 9.44e+04 / 46
p0 25.57 ± 0.004638
p1 0.4512 ± 1.839e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

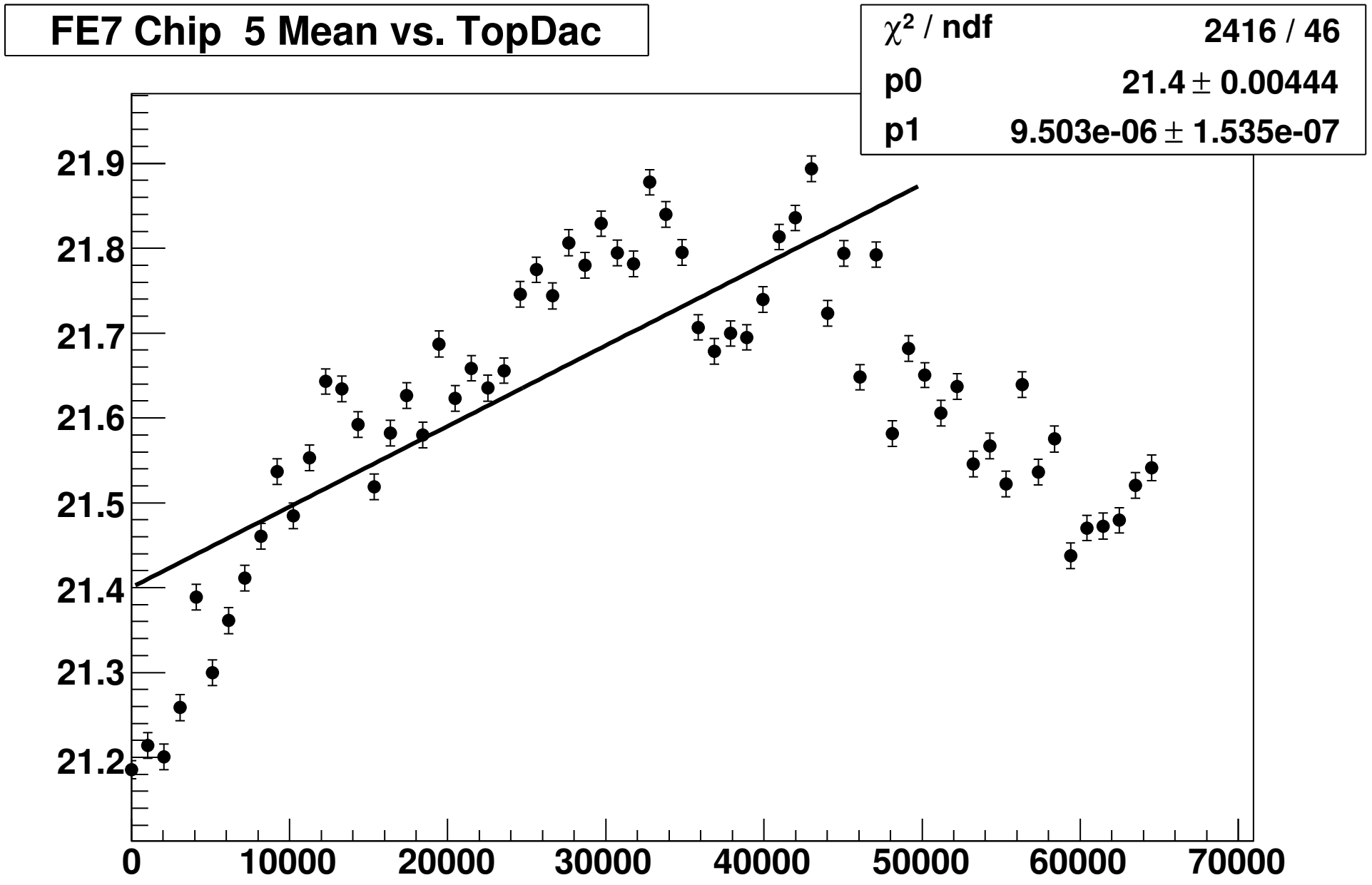

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 1033 / 46
p0 1.366 ± 0.00259
p1 3.399e-05 ± 1.396e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. TopDac
χ² / ndf 2670 / 46
p0 24.45 ± 0.004663
p1 9.8e-06 ± 1.62e-07
25
24.9
24.8
24.7
24.6
24.5
24.4
24.3
24.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 39.02 / 46
p0 1.512 ± 0.002452
p1 2.949e-06 ± 1.139e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Mean vs. BotDac
χ² / ndf 8.581e+04 / 46
p0 23.07 ± 0.004592
p1 0.4512 ± 1.83e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Rms vs. BotDac
χ² / ndf 2939 / 46
p0 1.335 ± 0.002554
p1 3.414e-05 ± 1.361e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 5 Mean vs. TopDac
χ² / ndf 2416 / 46
p0 21.4 ± 0.00444
p1 9.503e-06 ± 1.535e-07
21.9
21.8
21.7
21.6
21.5
21.4
21.3
21.2
0
10000
20000
30000
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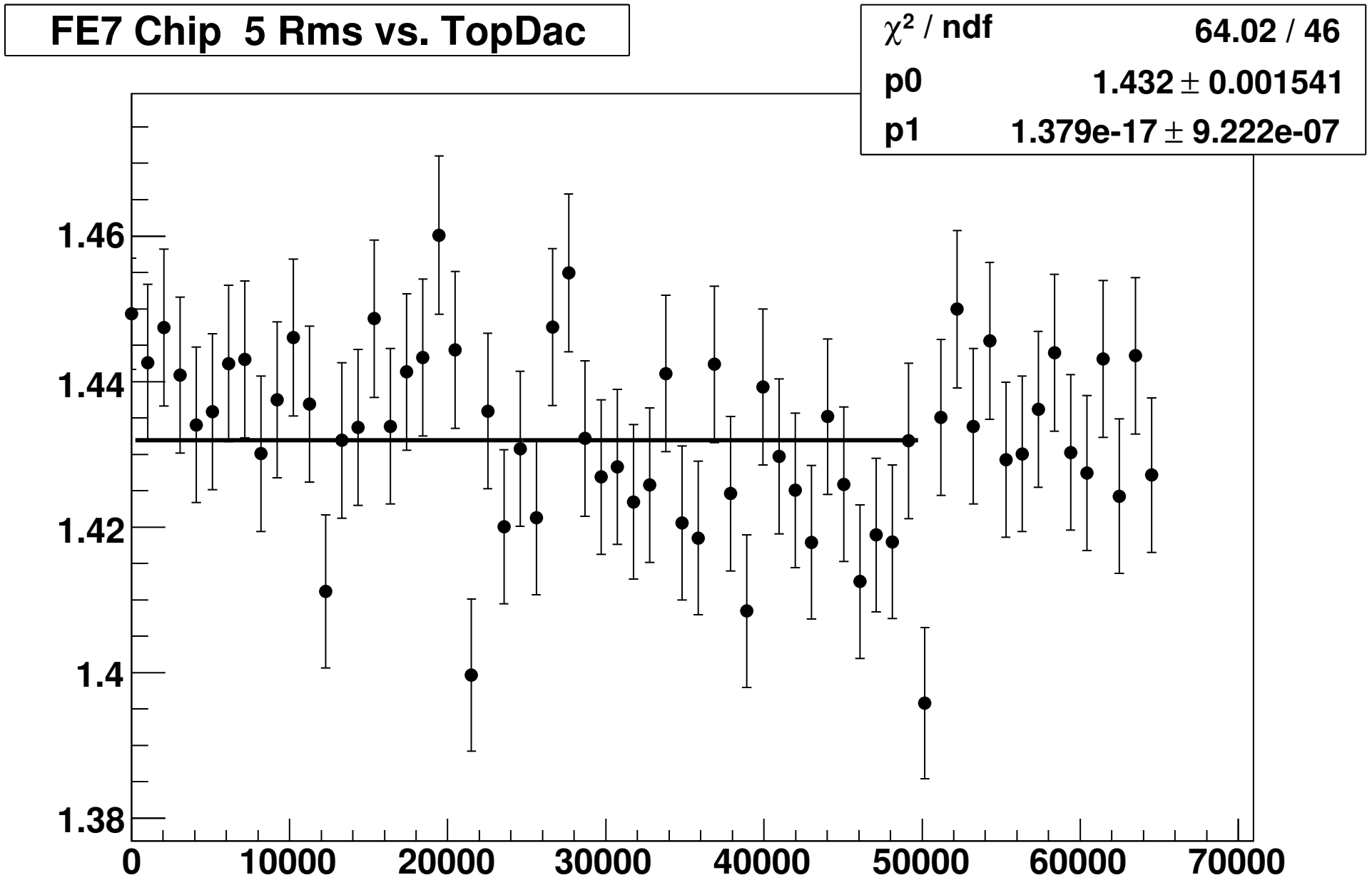
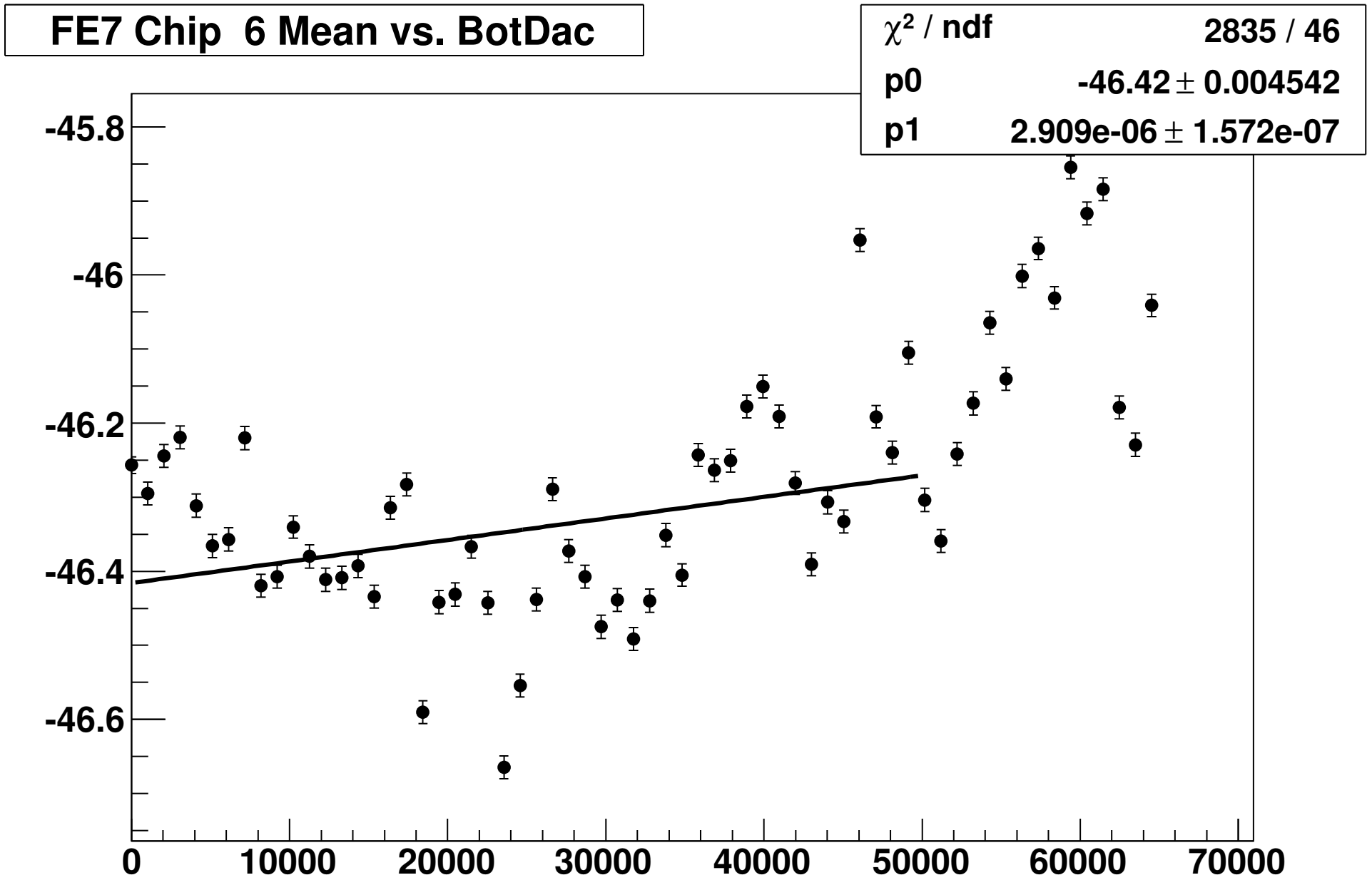
50000
60000
70000


FE7 Chip 5 Rms vs. TopDac
χ² / ndf 64.02 / 46
p0 1.432 ± 0.001541
p1 1.379e-17 ± 9.222e-07
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Mean vs. BotDac
χ² / ndf 2835 / 46
p0 -46.42 ± 0.004542
p1 2.909e-06 ± 1.572e-07
-45.8
-46
-46.2
-46.4
-46.6
0
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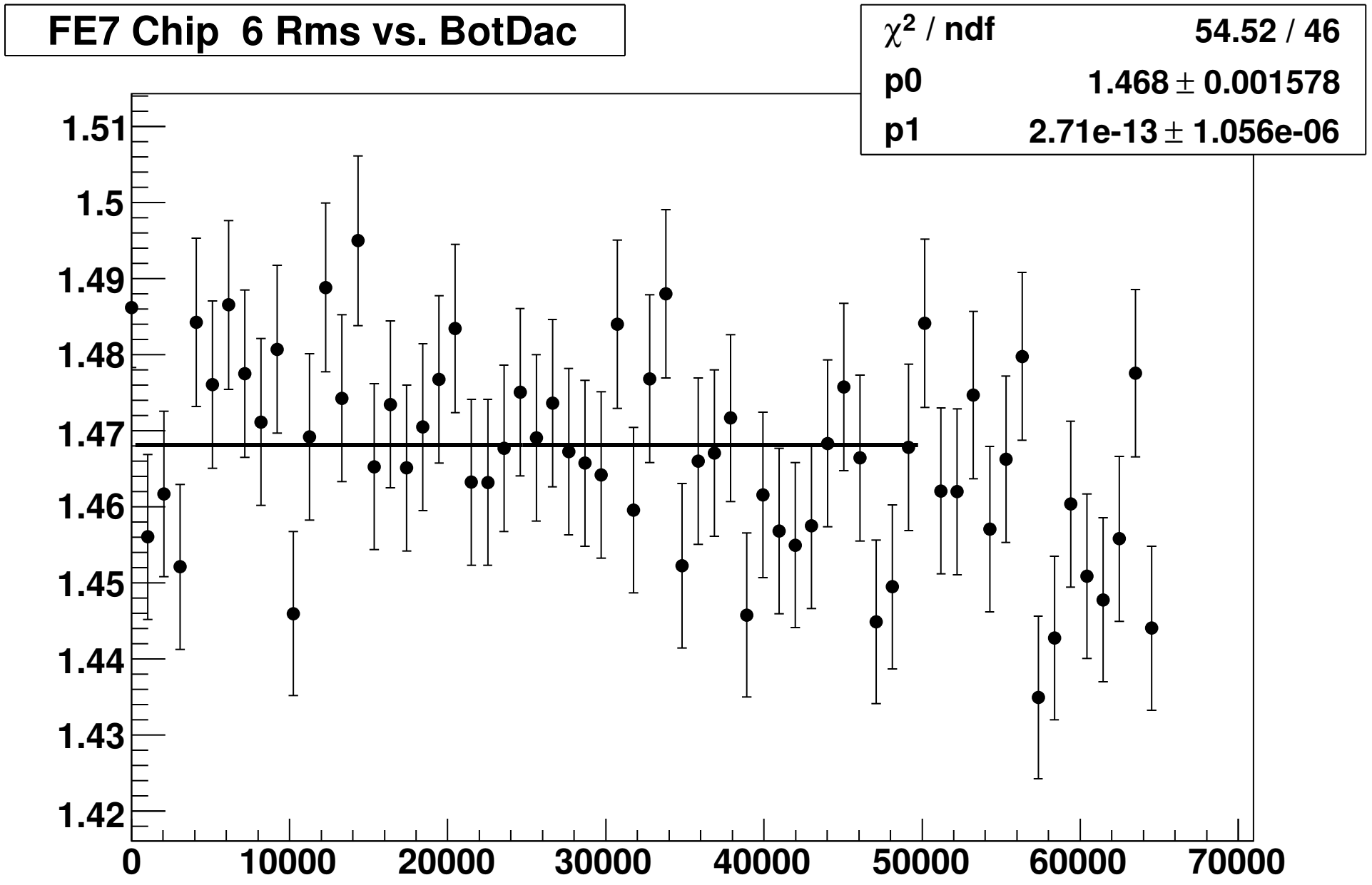
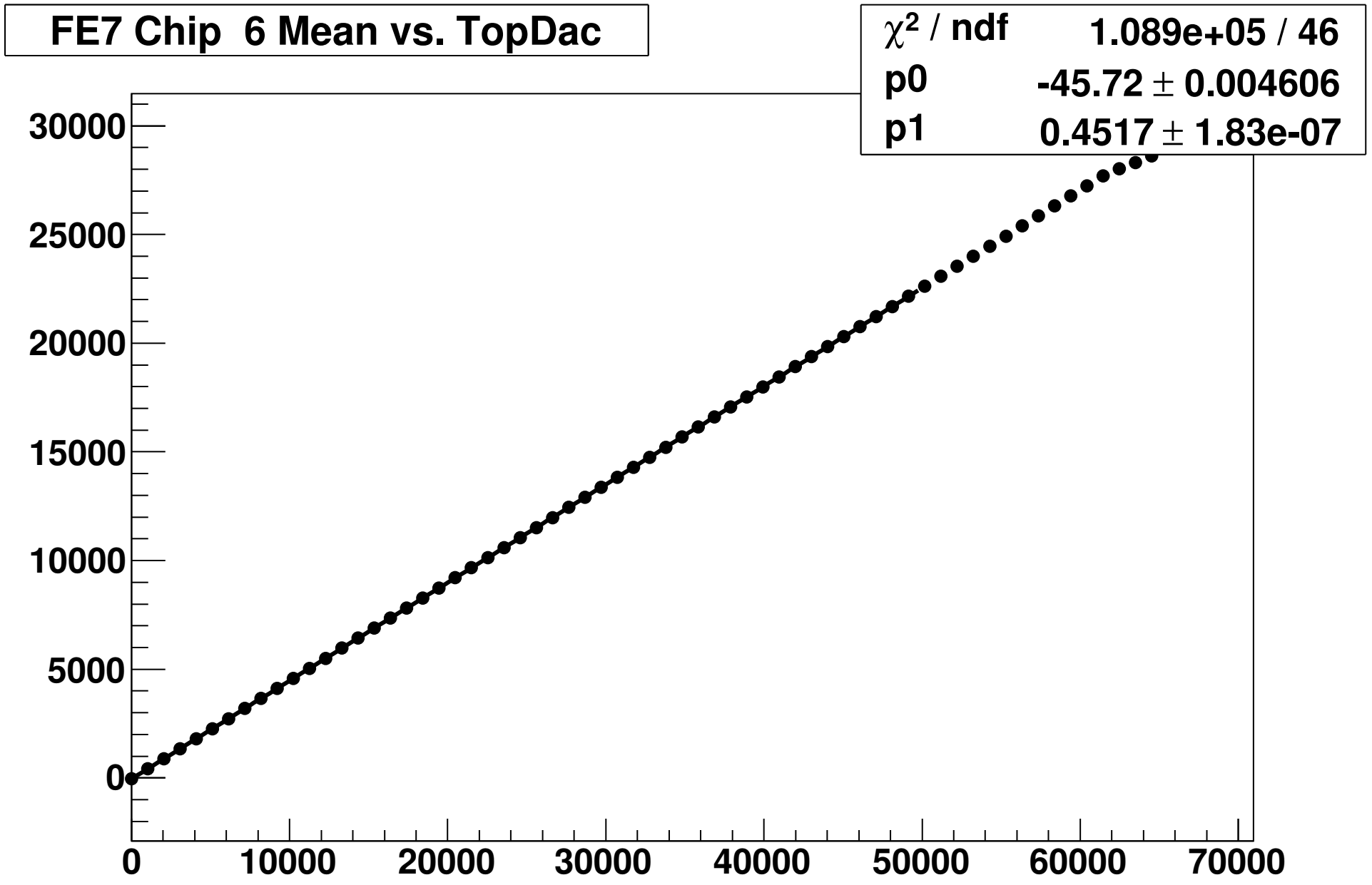
30000
40000
50000
60000
70000


FE7 Chip 6 Rms vs. BotDac
χ² / ndf 54.52 / 46
p0 1.468 ± 0.001578
p1 2.71e-13 ± 1.056e-06
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


FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.089e+05 / 46
p0 -45.72 ± 0.004606
p1 0.4517 ± 1.83e-07
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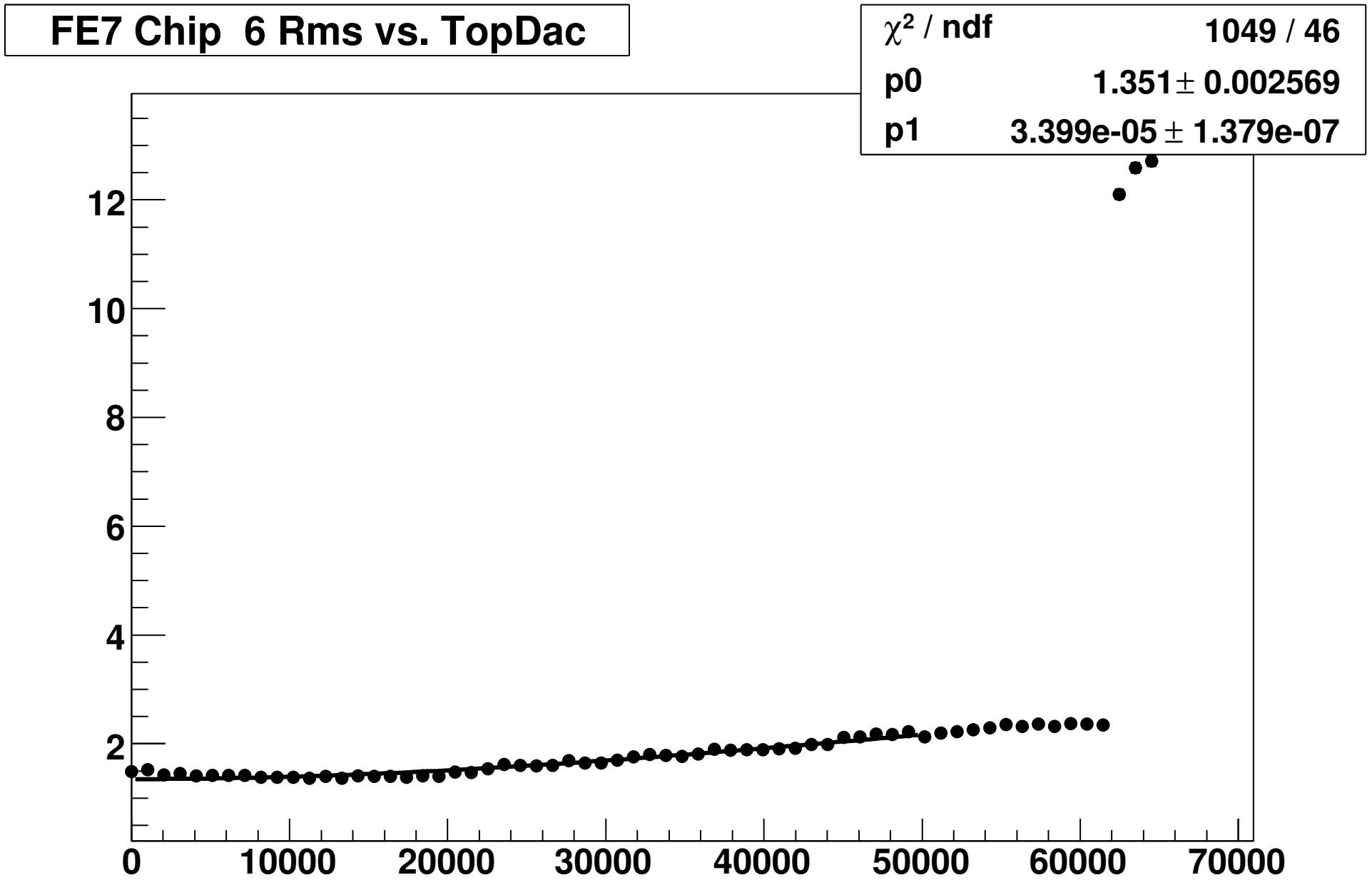
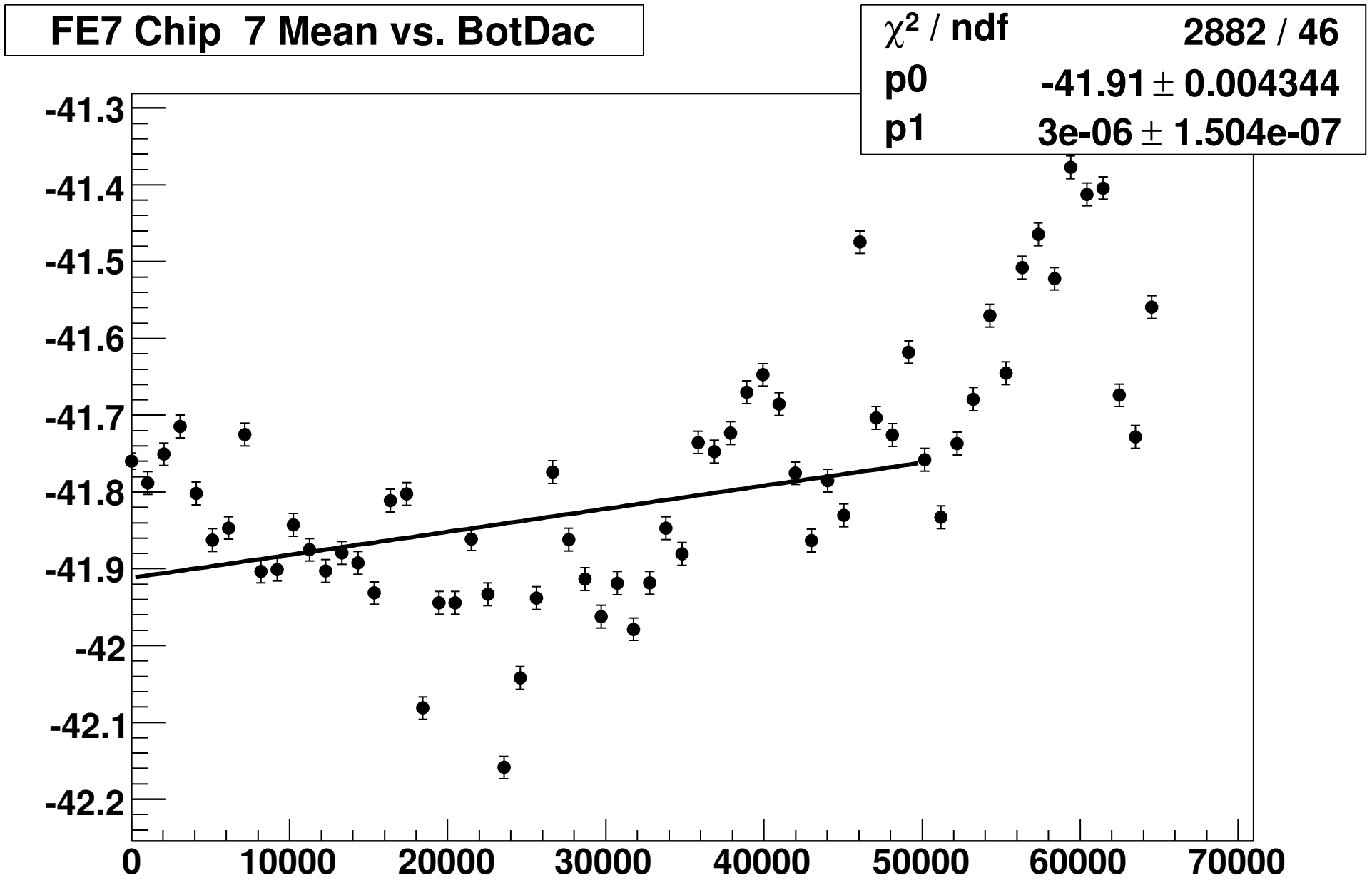
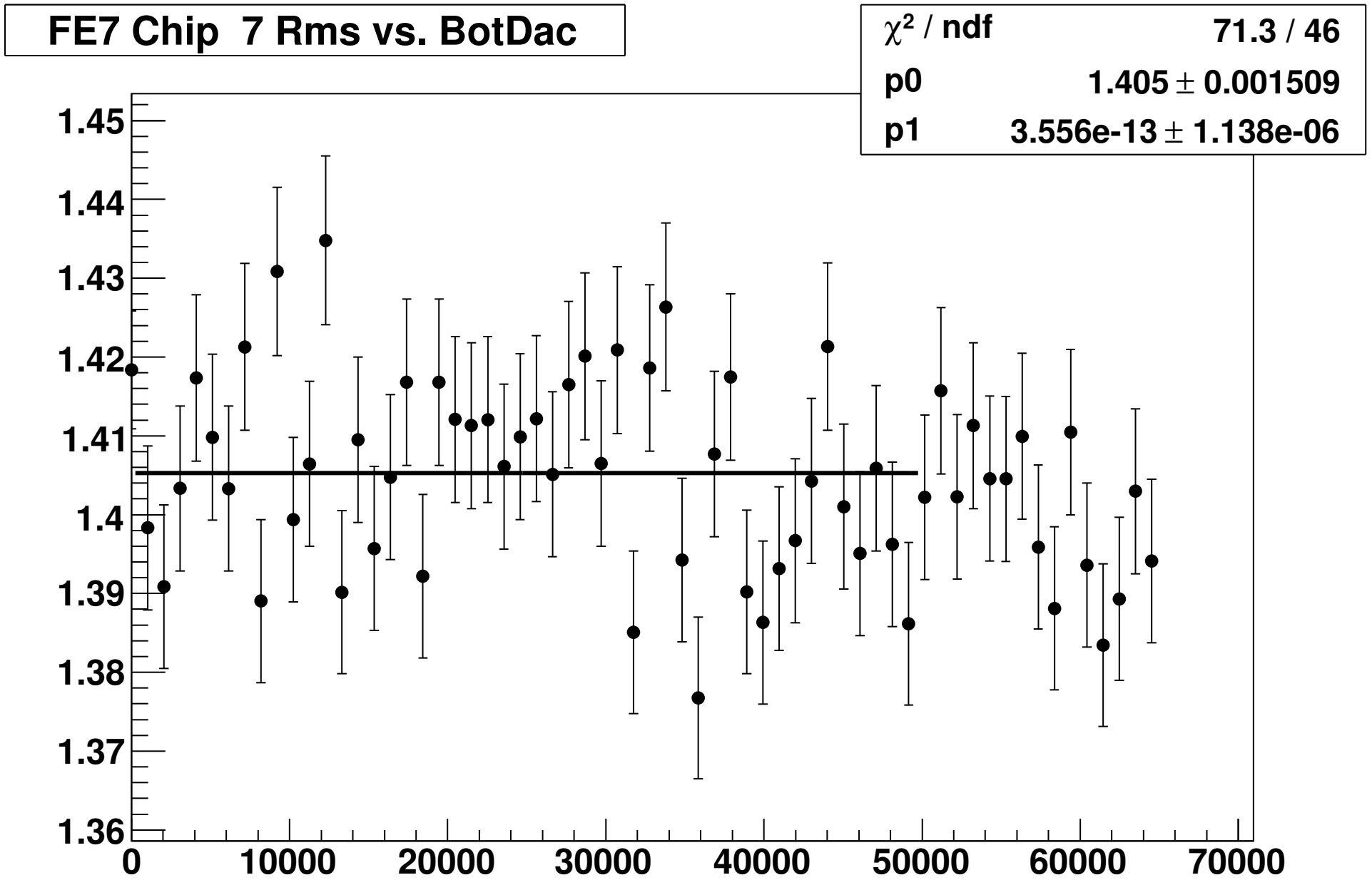
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1049 / 46
p0 1.351 ± 0.002569
p1 3.399e-05 ± 1.379e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 7 Mean vs. BotDac
χ² / ndf 2882 / 46
p0 -41.91 ± 0.004344
p1 3e-06 ± 1.504e-07
-41.3
-41.4
-41.5
-41.6
-41.7
-41.8
-41.9
-42
-42.1
-42.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 7 Rms vs. BotDac
χ² / ndf 71.3 / 46
p0 1.405 ± 0.001509
p1 3.556e-13 ± 1.138e-06
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
1.37
1.36
0
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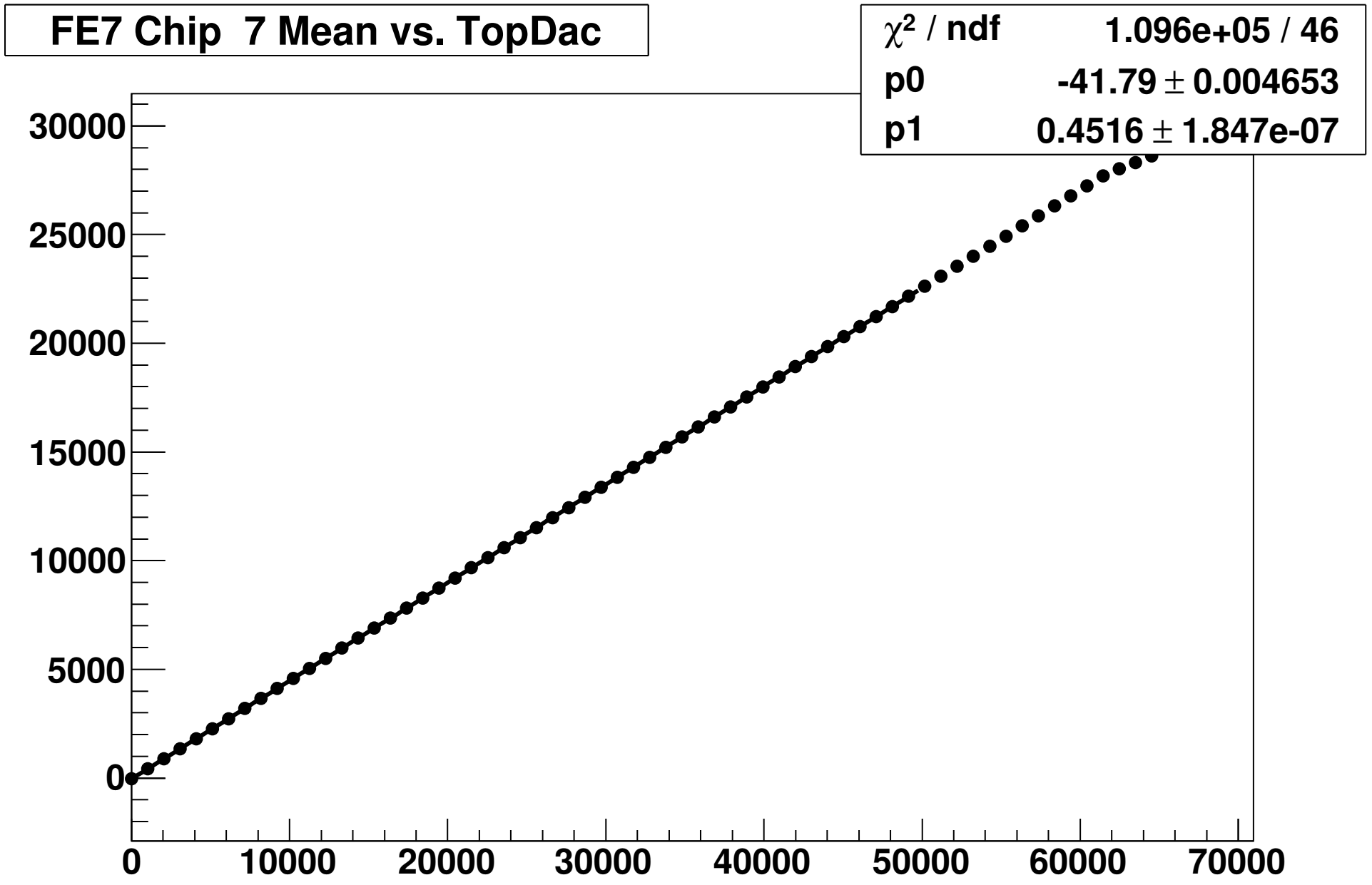
70000


FE7 Chip 7 Mean vs. TopDac
χ² / ndf 1.096e+05 / 46
p0 -41.79 ± 0.004653
p1 0.4516 ± 1.847e-07
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25000
20000
15000
10000
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10000
20000
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50000
60000
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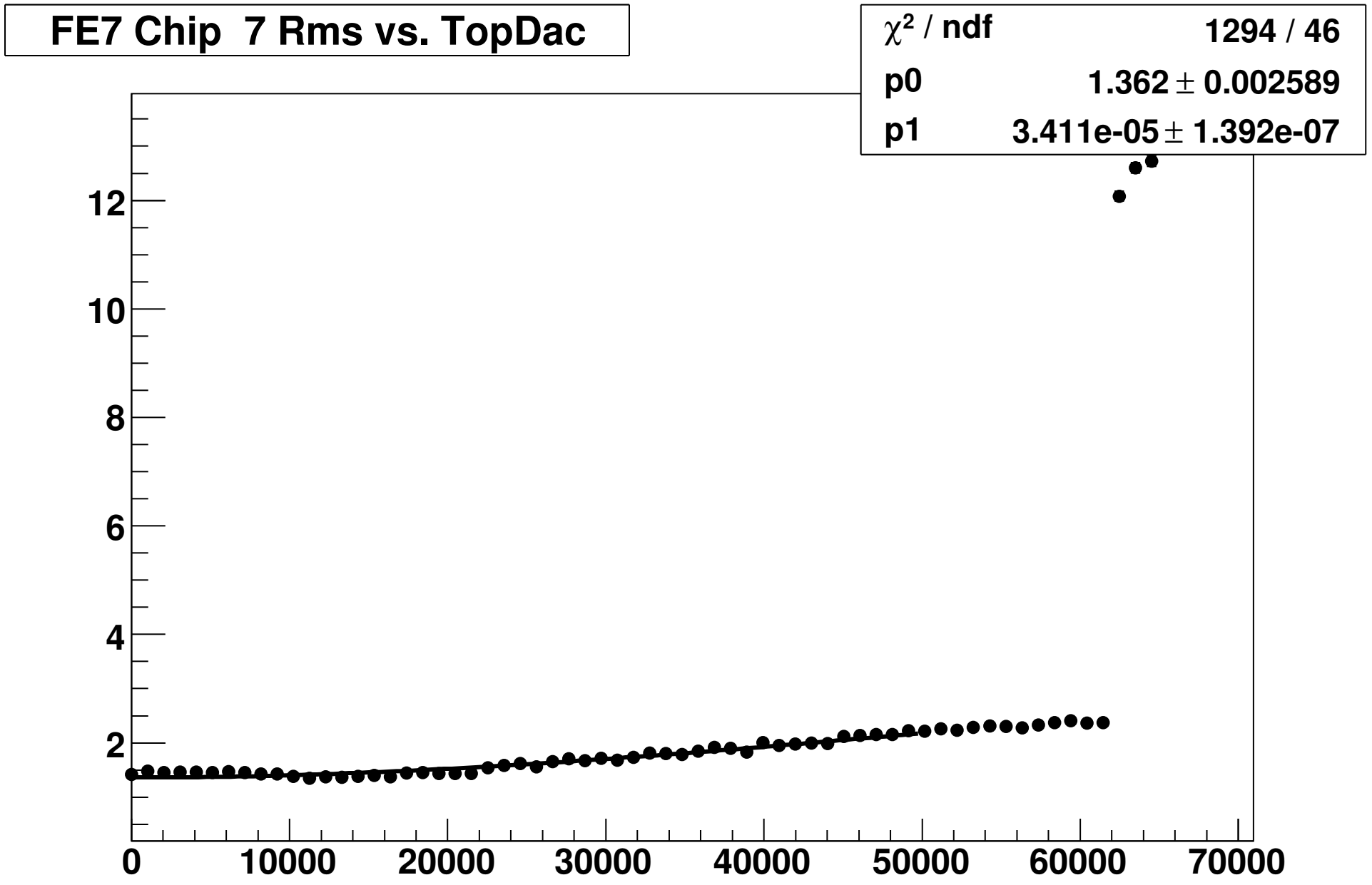
FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1294 / 46
p0 1.362 ± 0.002589
p1 3.411e-05 ± 1.392e-07
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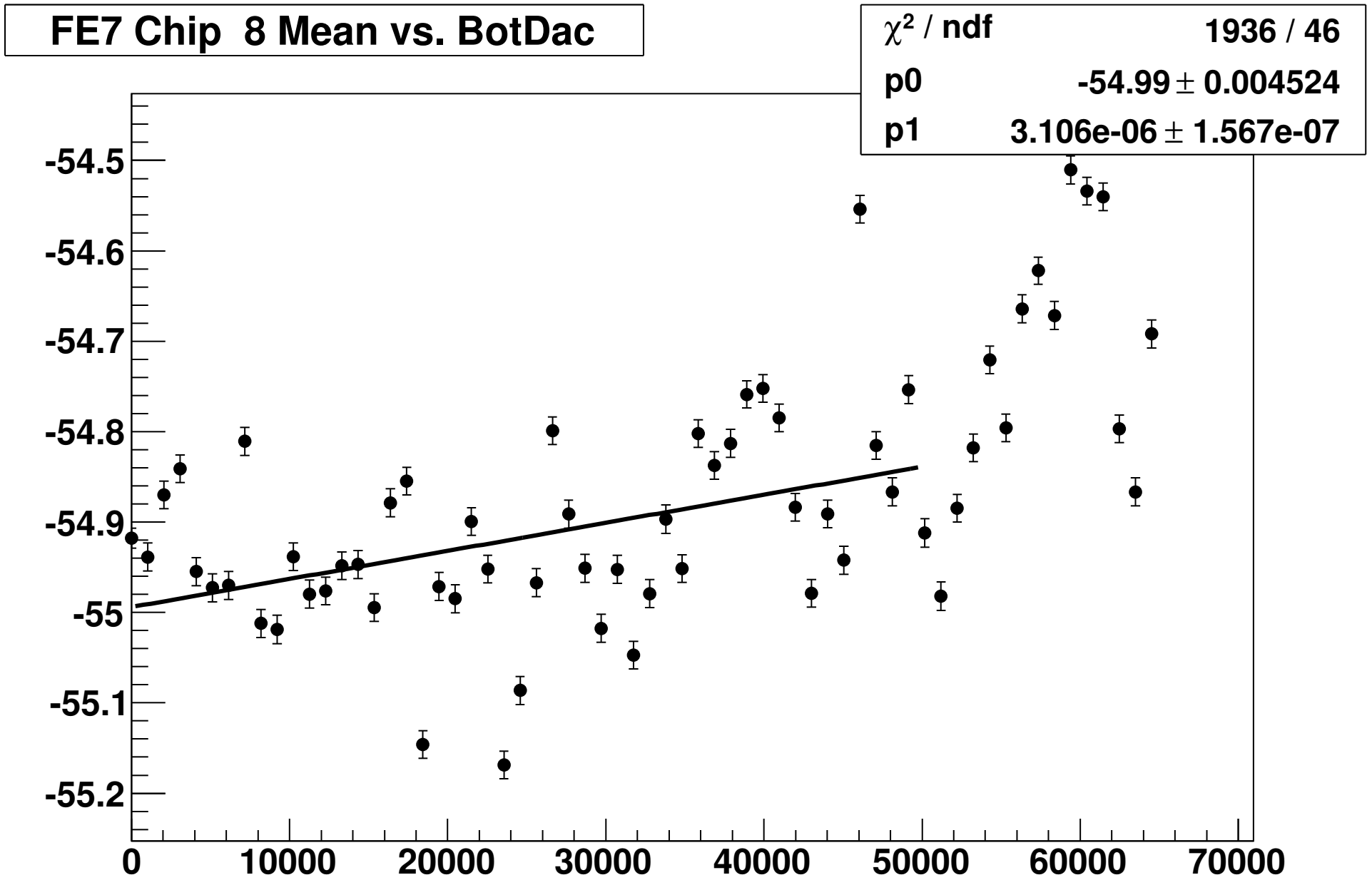
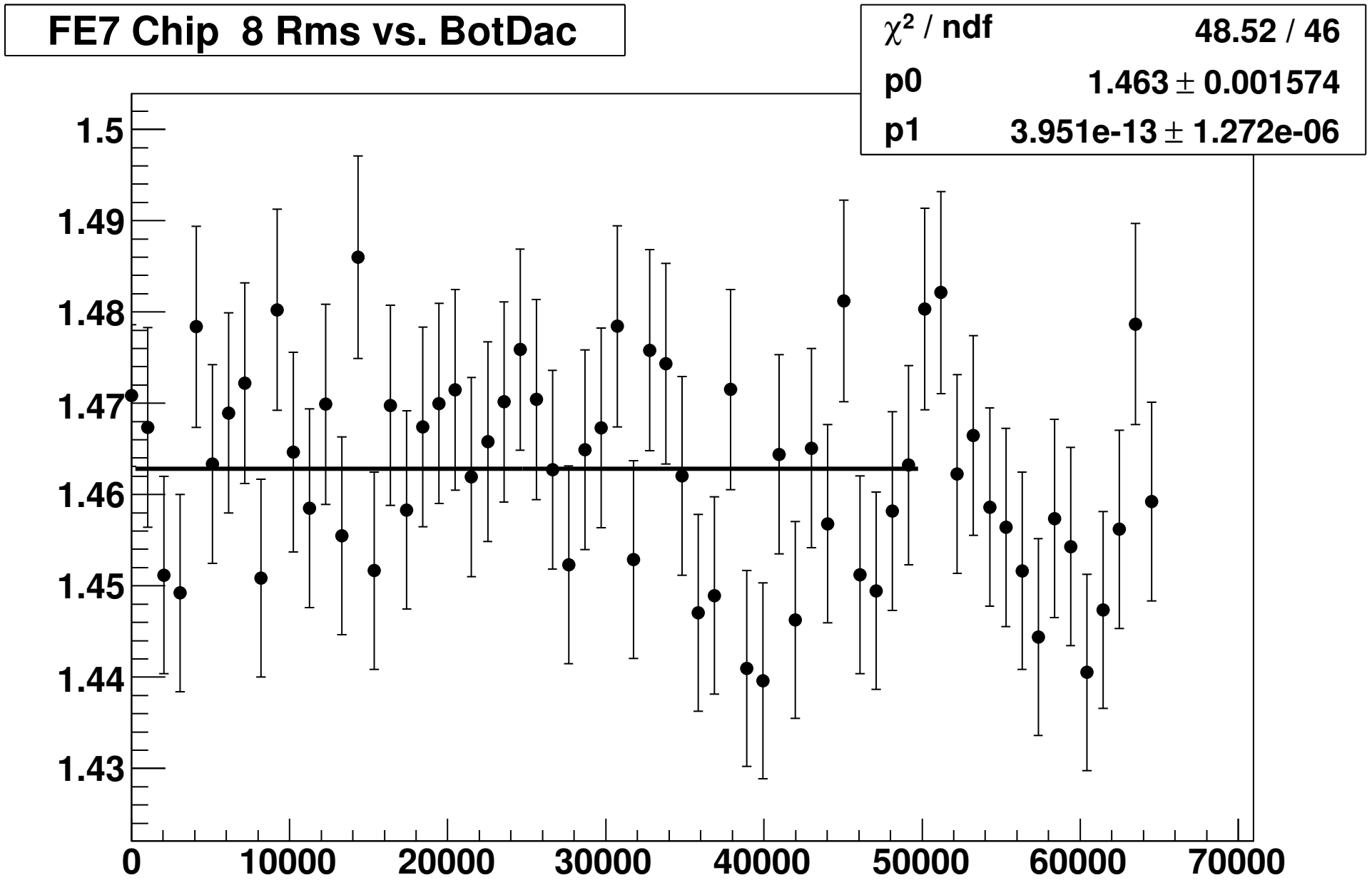
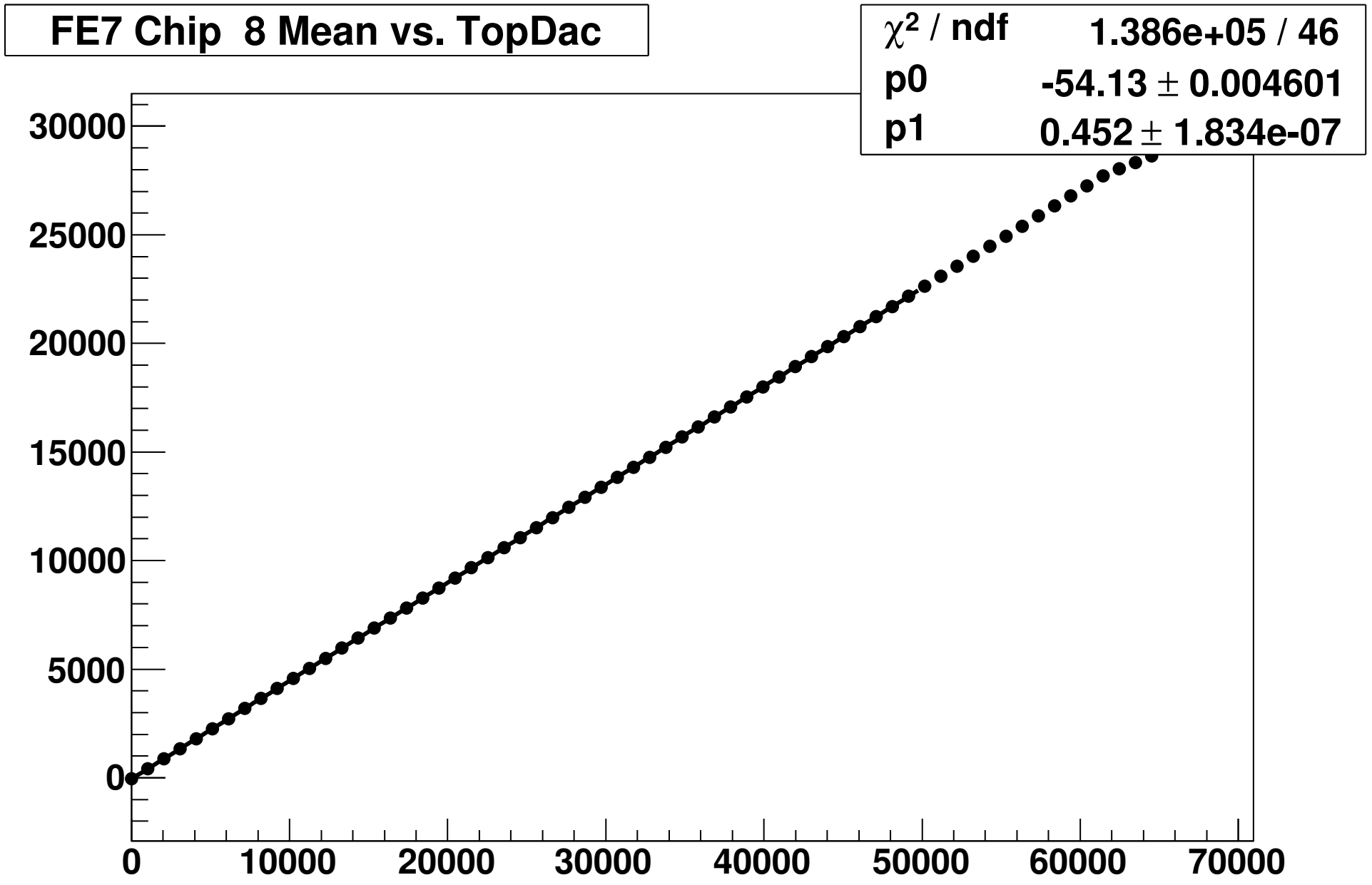
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 8 Mean vs. BotDac
χ² / ndf 1936 / 46
p0 -54.99 ± 0.004524
p1 3.106e-06 ± 1.567e-07
-54.5
-54.6
-54.7
-54.8
-54.9
-55
-55.1
-55.2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 8 Rms vs. BotDac
χ² / ndf 48.52 / 46
p0 1.463 ± 0.001574
p1 3.951e-13 ± 1.272e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 8 Mean vs. TopDac
χ² / ndf 1.386e+05 / 46
p0 -54.13 ± 0.004601
p1 0.452 ± 1.834e-07
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25000
20000
15000
10000
5000
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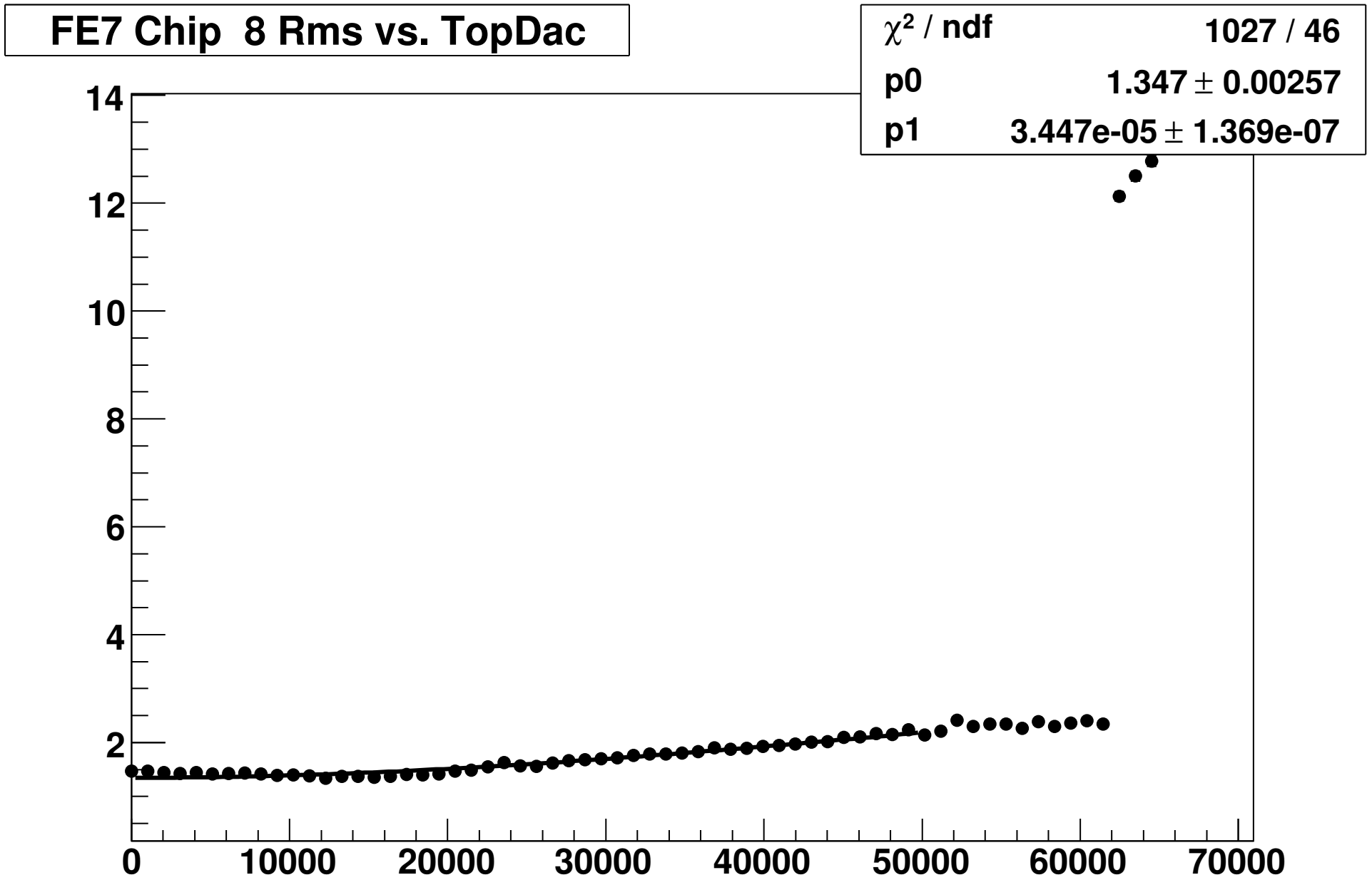
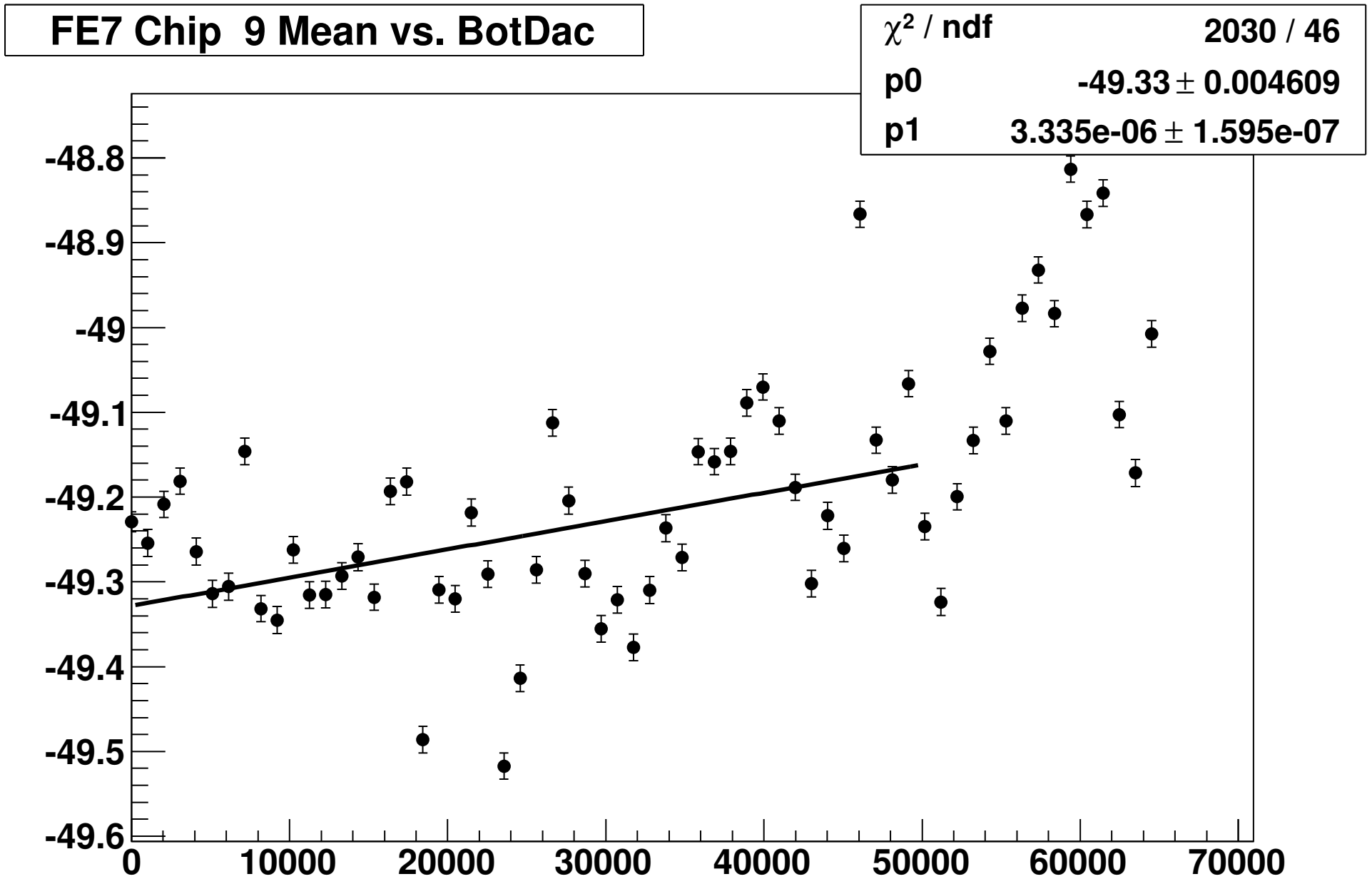
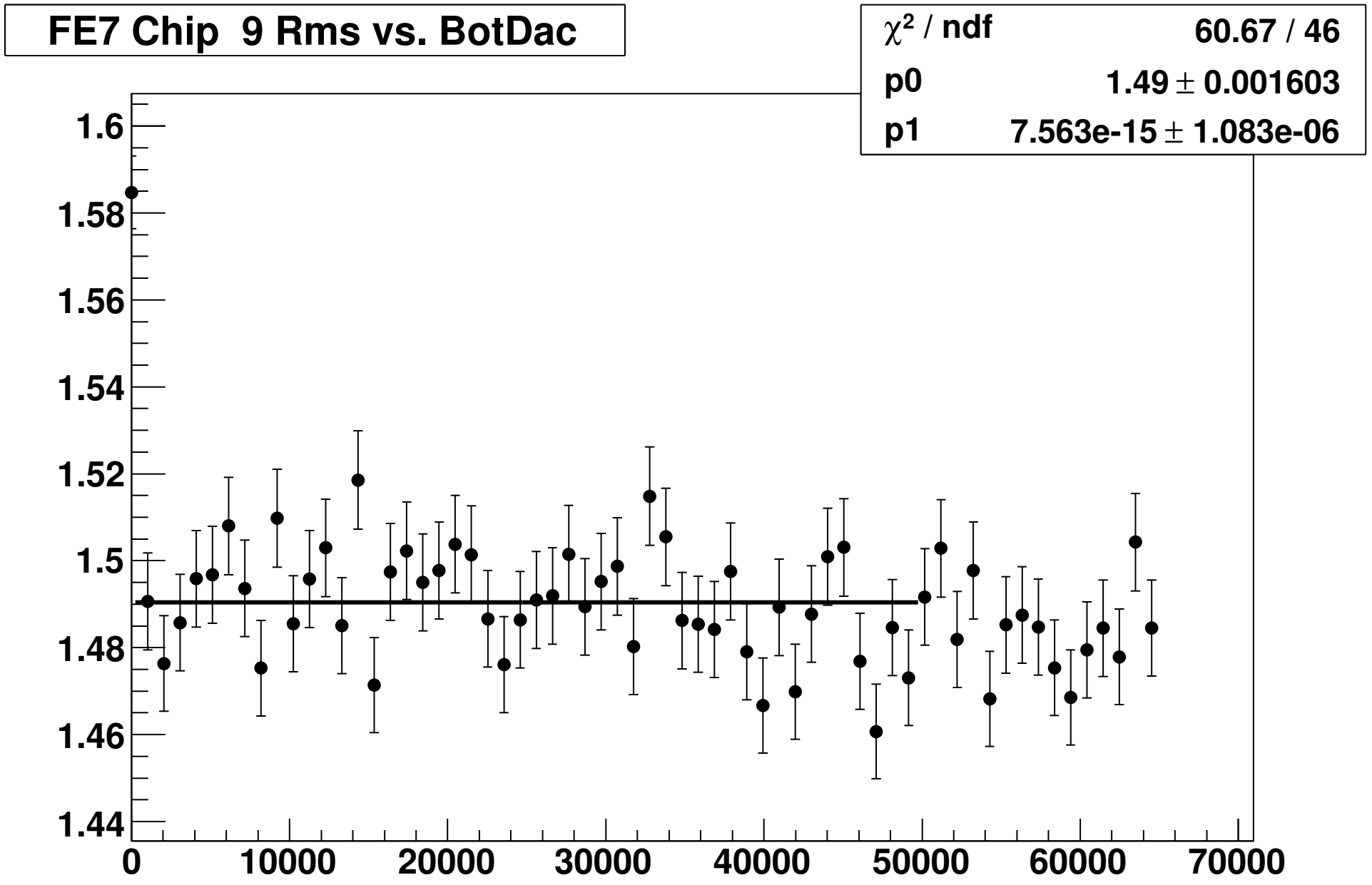
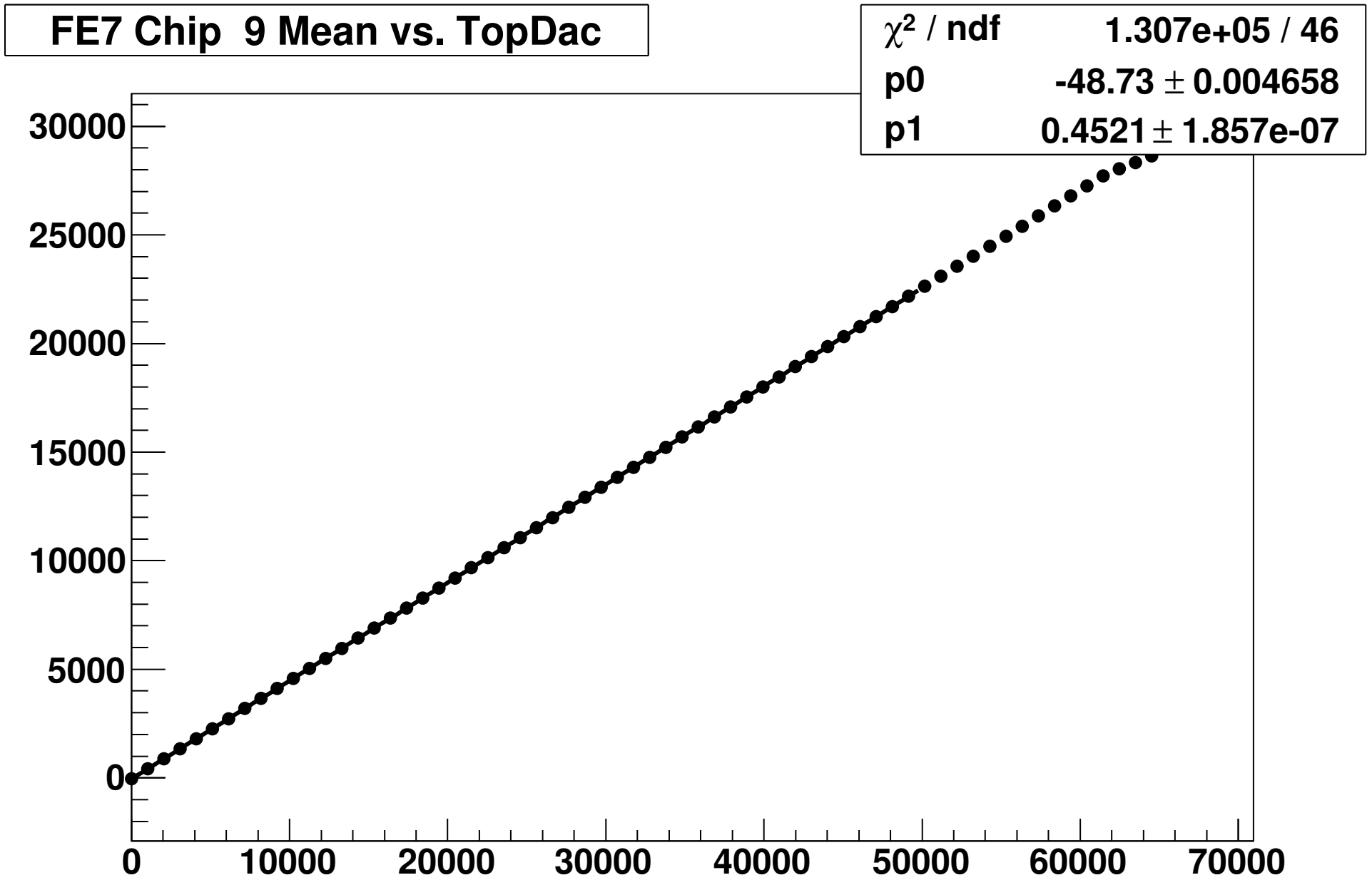
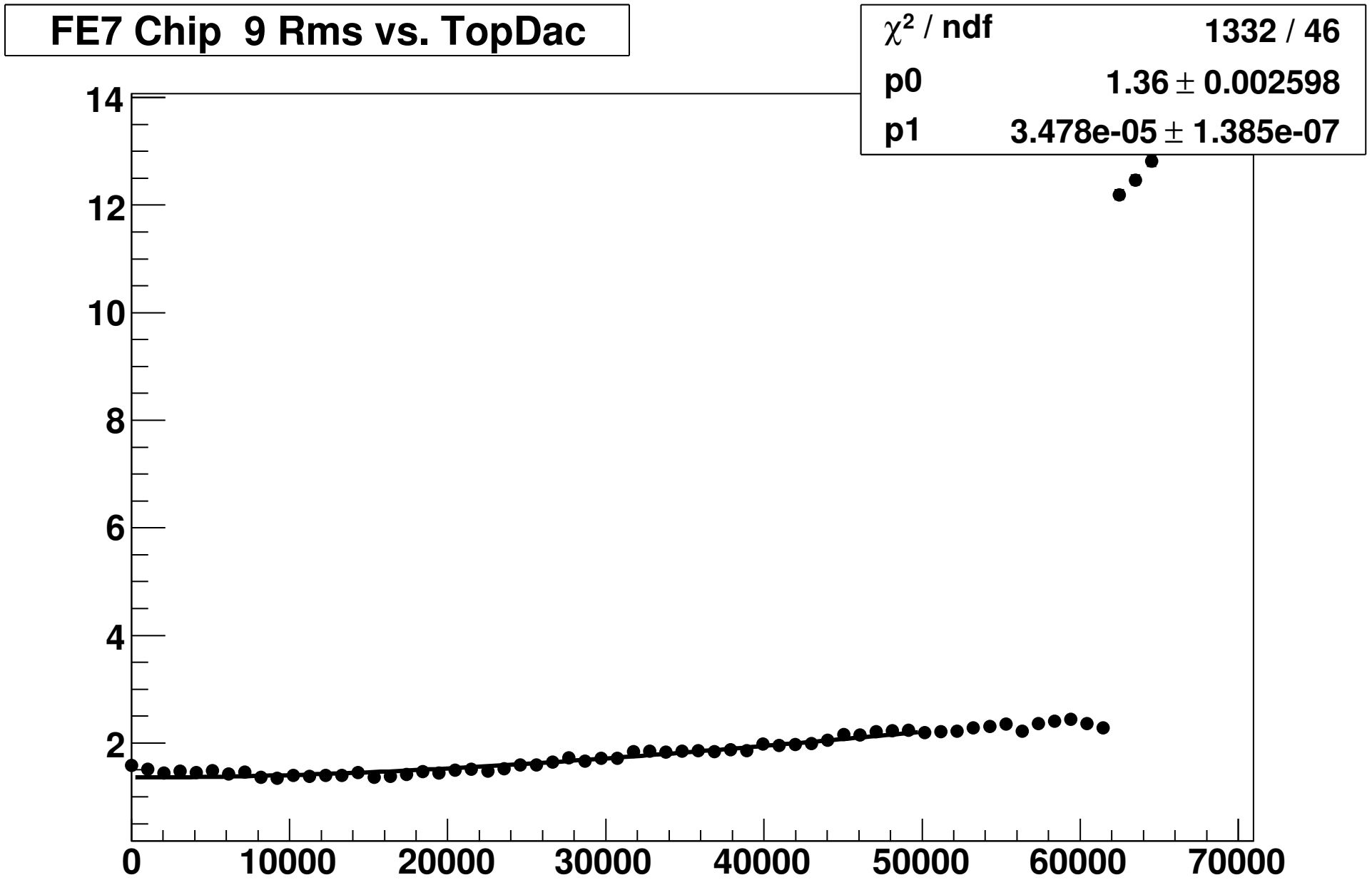
10000
20000
30000
40000
50000
60000
70000

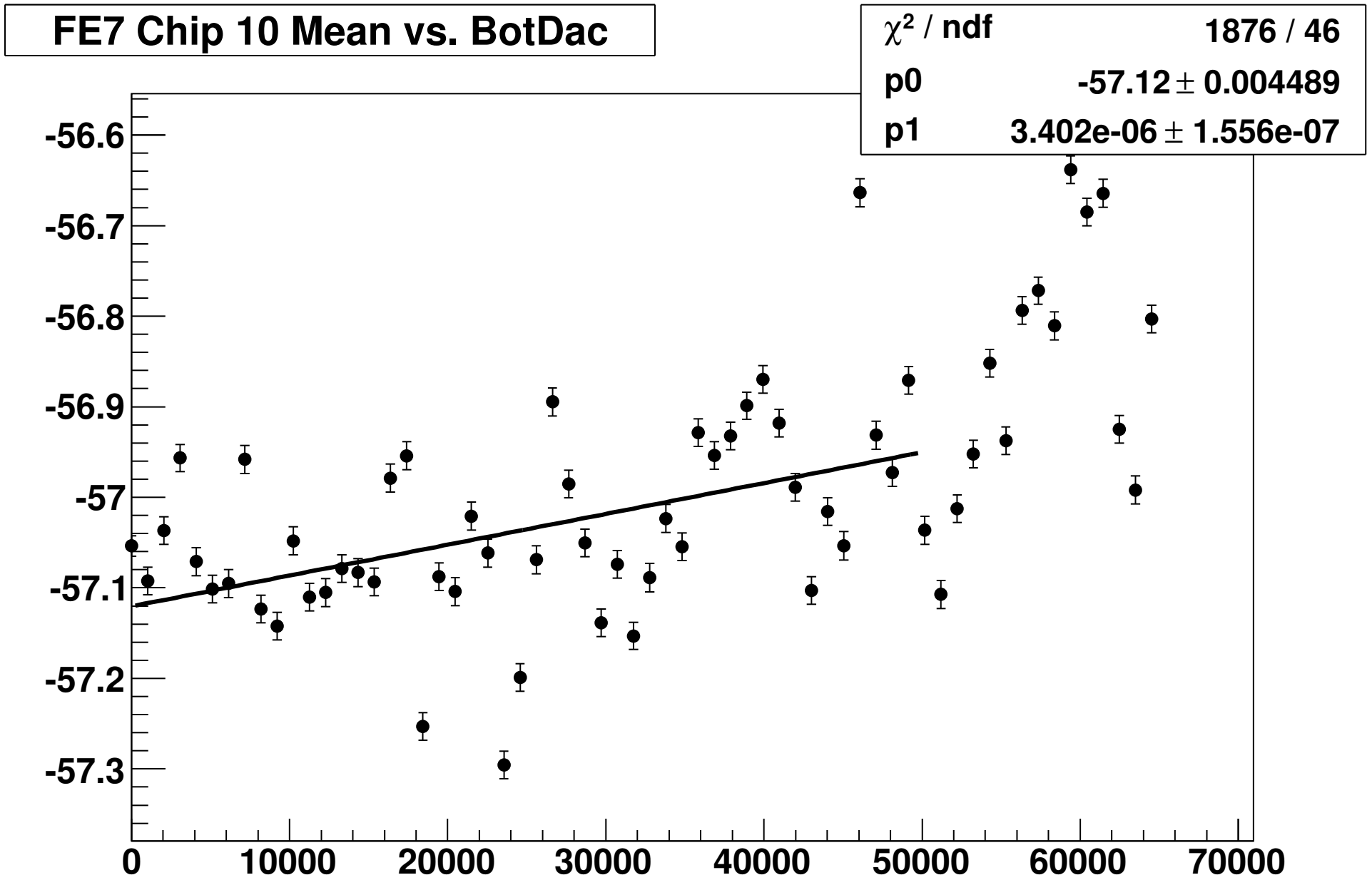

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 1027 / 46
p0 1.347 ± 0.00257
p1 3.447e-05 ± 1.369e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

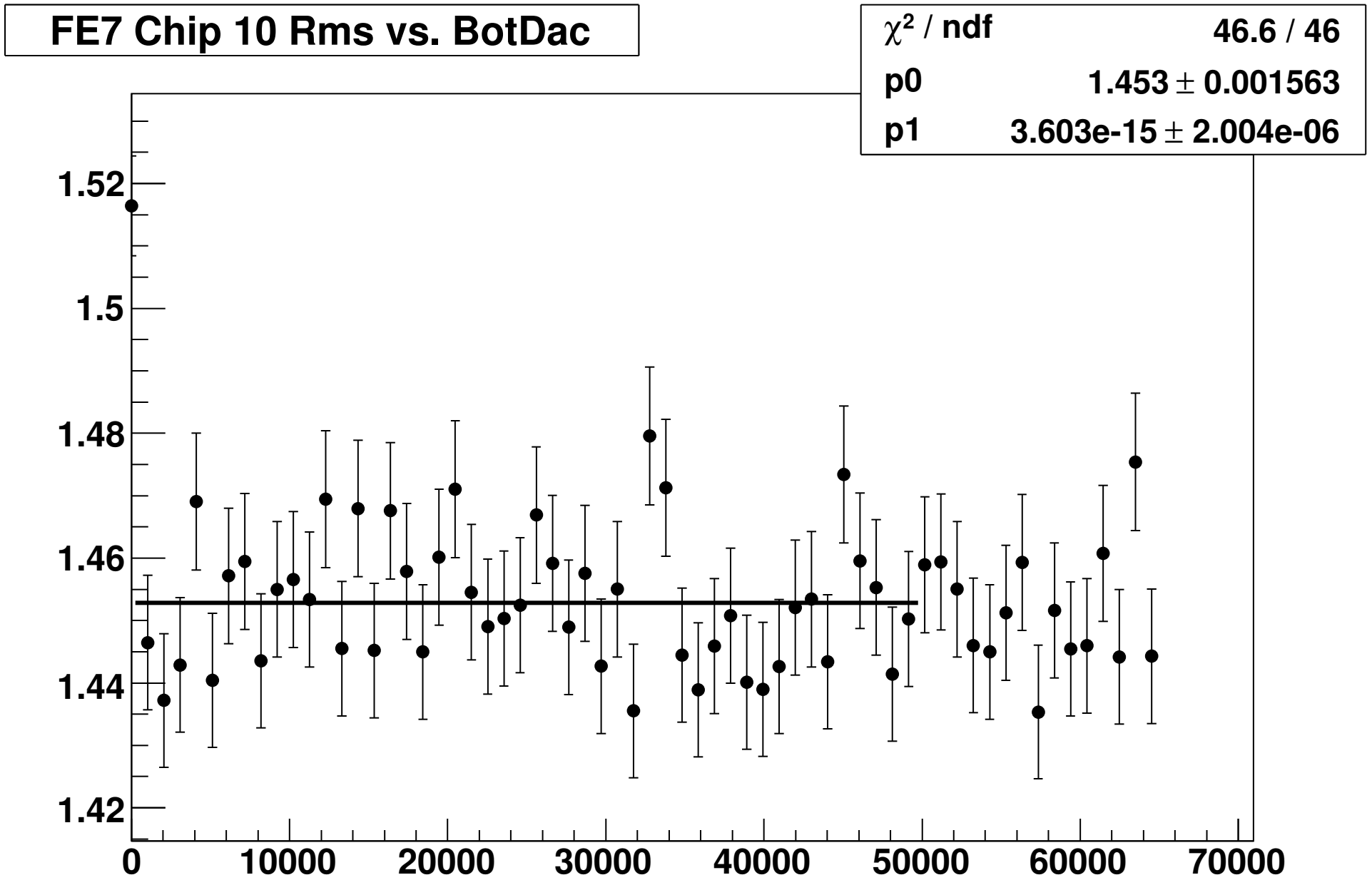

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 2030 / 46
p0 -49.33 ± 0.004609
p1 3.335e-06 ± 1.595e-07
-48.8
-48.9
-49
-49.1
-49.2
-49.3
-49.4
-49.5
-49.6
0
10000
20000
30000
40000
50000
60000
70000

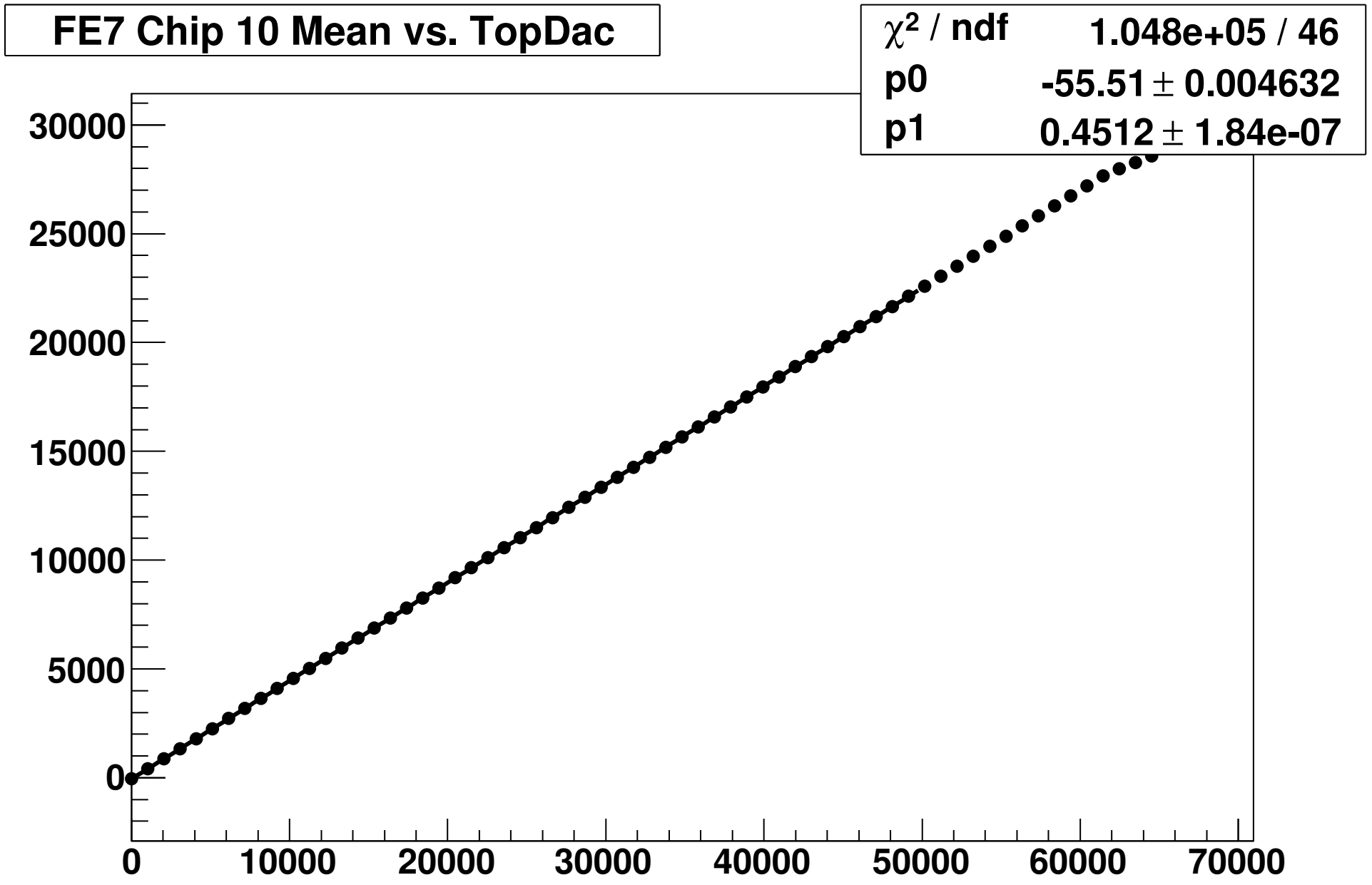

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 60.67 / 46
p0 1.49 ± 0.001603
p1 7.563e-15 ± 1.083e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000

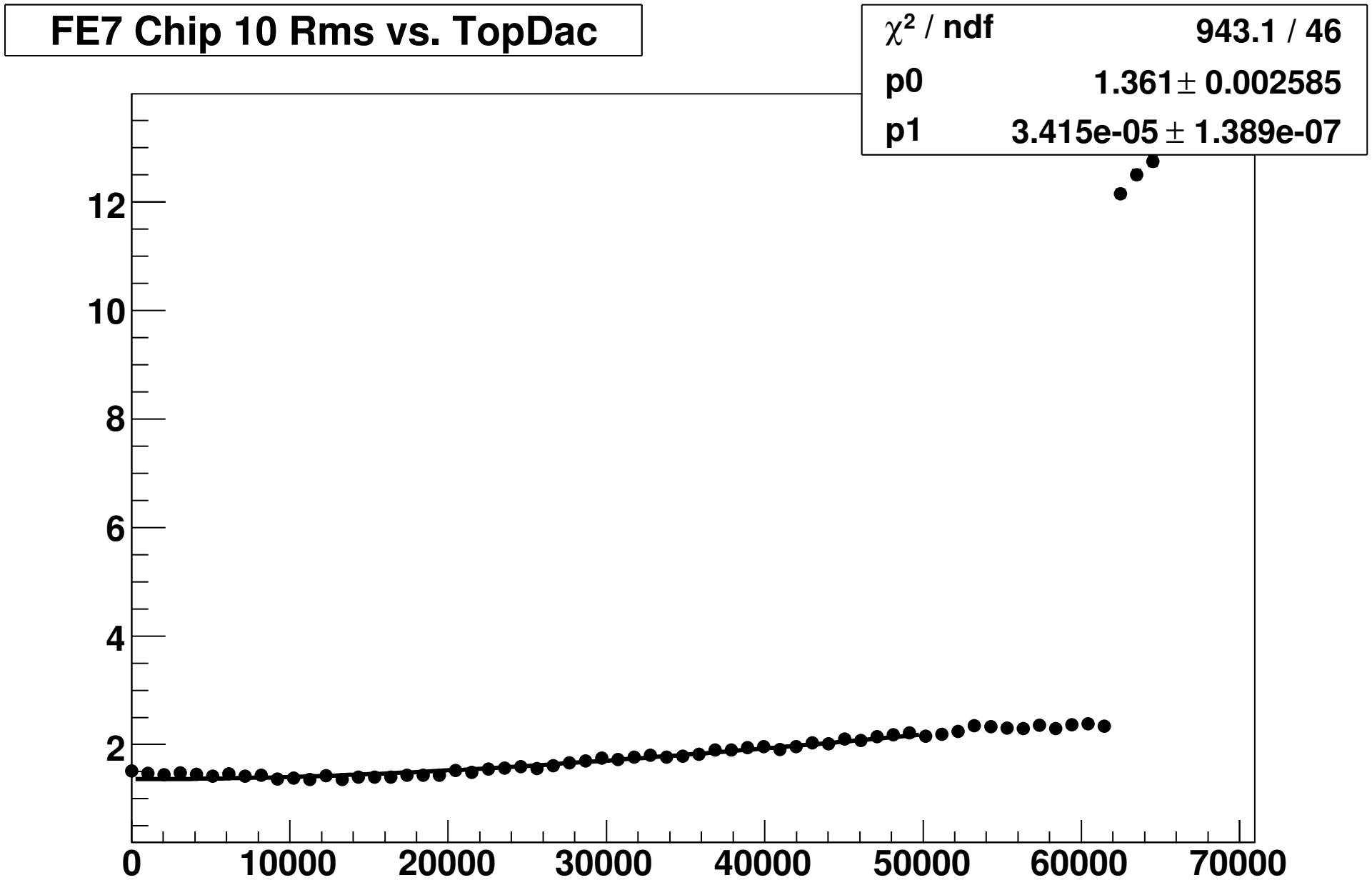

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 1.307e+05 / 46
p0 -48.73 ± 0.004658
p1 0.4521 ± 1.857e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

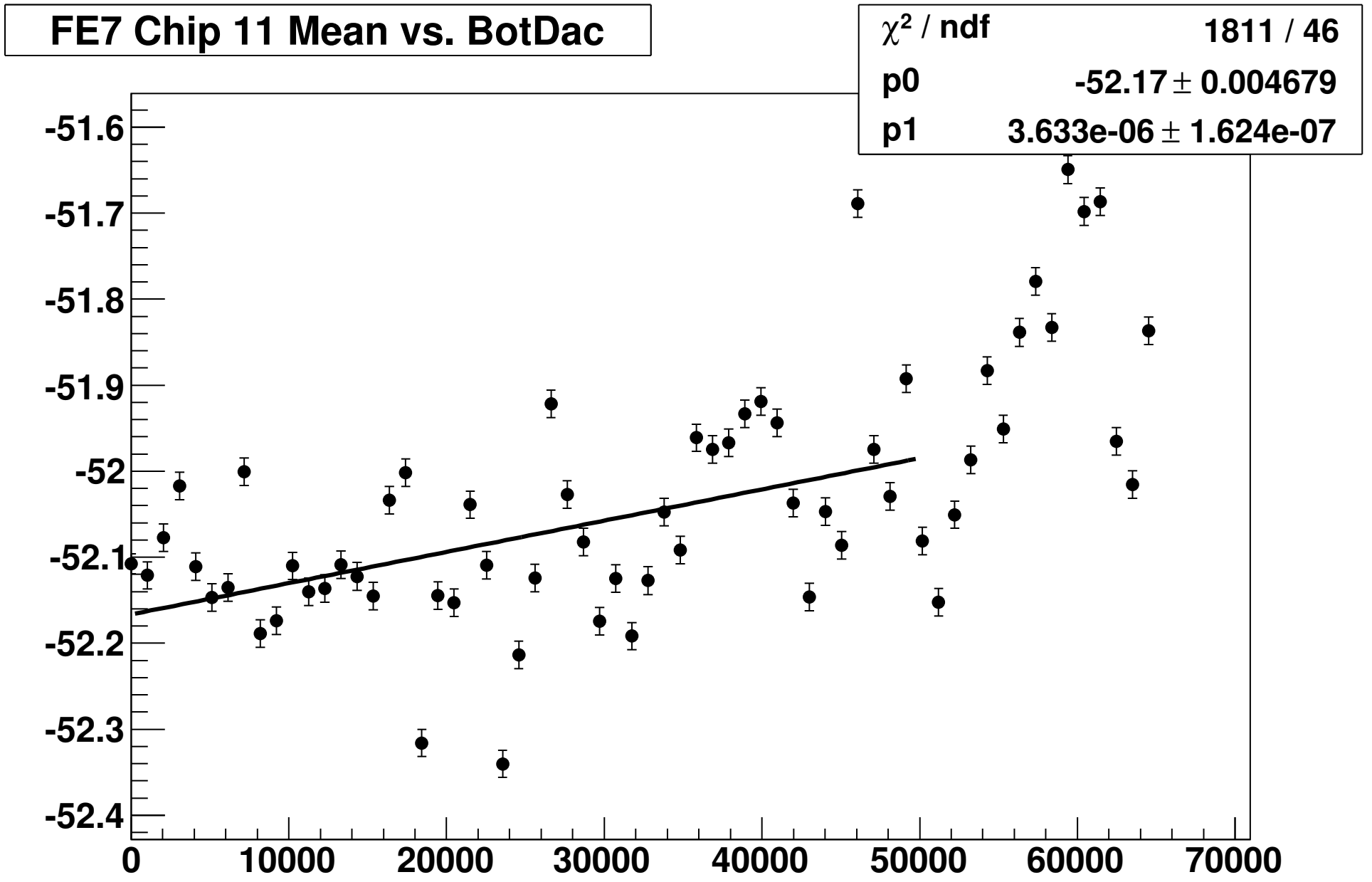

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 1332 / 46
p0 1.36 ± 0.002598
p1 3.478e-05 ± 1.385e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

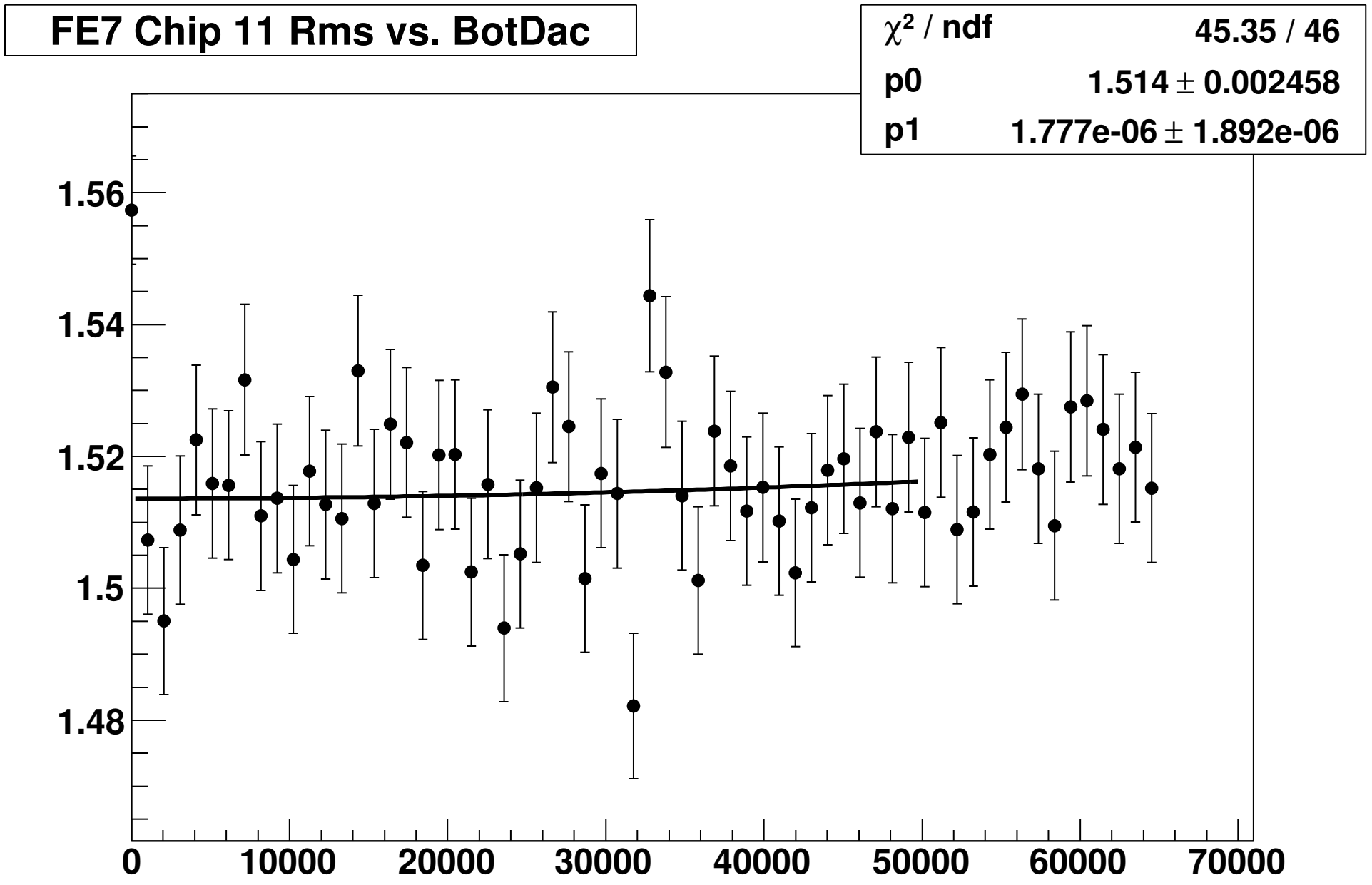

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 1876 / 46
p0 -57.12 ± 0.004489
p1 3.402e-06 ± 1.556e-07
-56.6
-56.7
-56.8
-56.9
-57
-57.1
-57.2
-57.3
0
10000
20000
30000
40000
50000
60000
70000

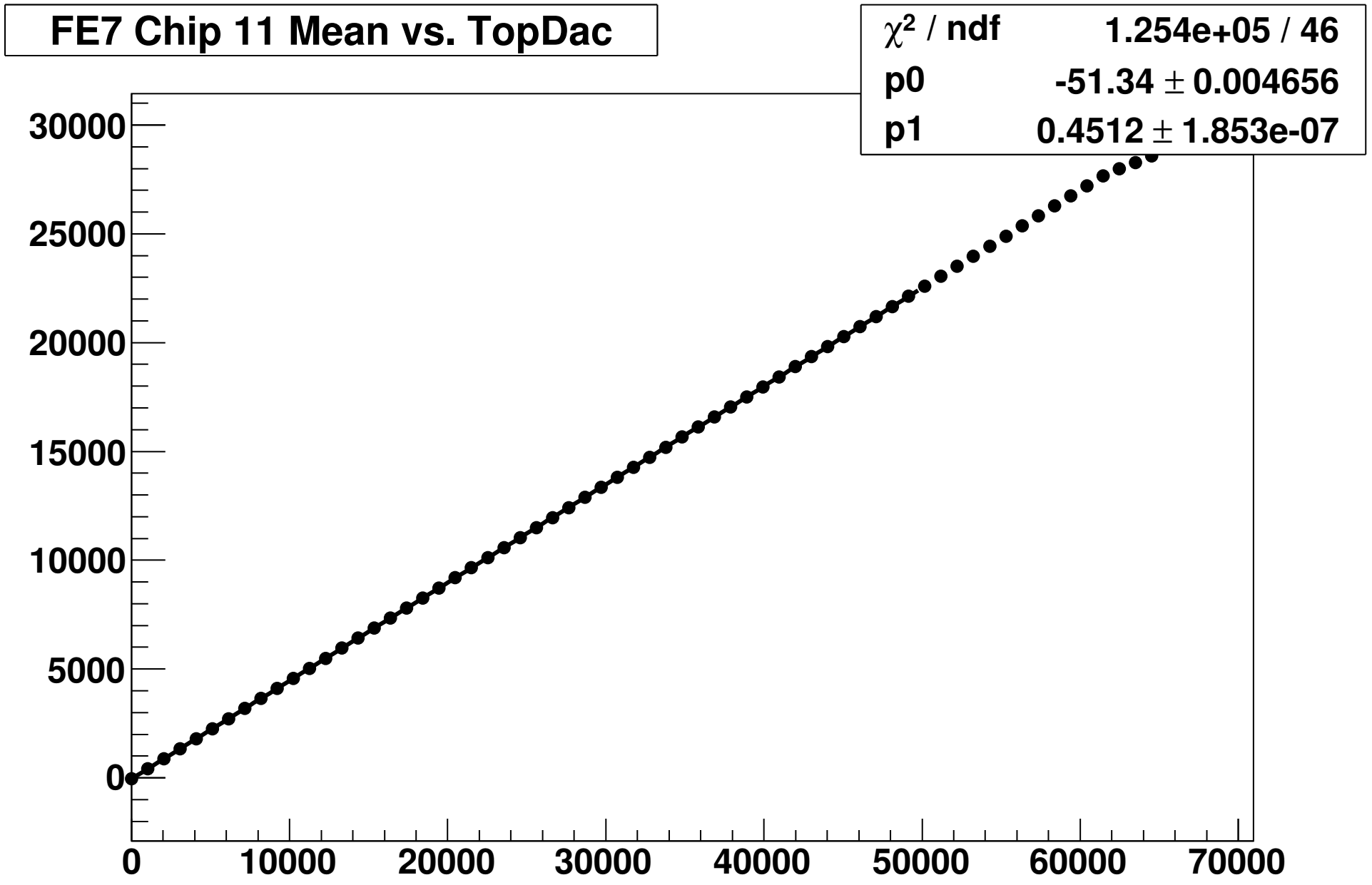

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 46.6 / 46
p0 1.453 ± 0.001563
p1 3.603e-15 ± 2.004e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

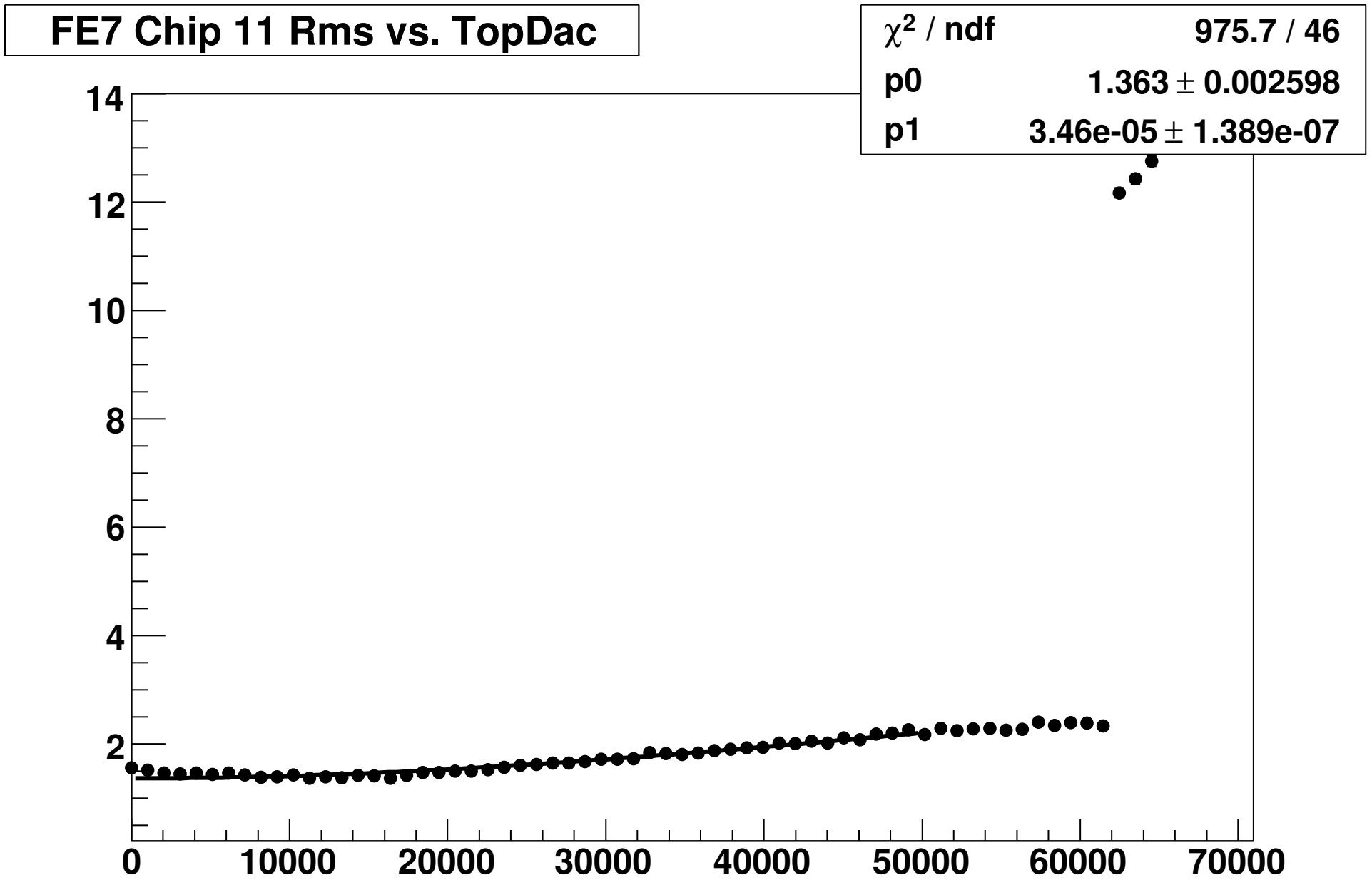

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.048e+05 / 46
p0 -55.51 ± 0.004632
p1 0.4512 ± 1.84e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

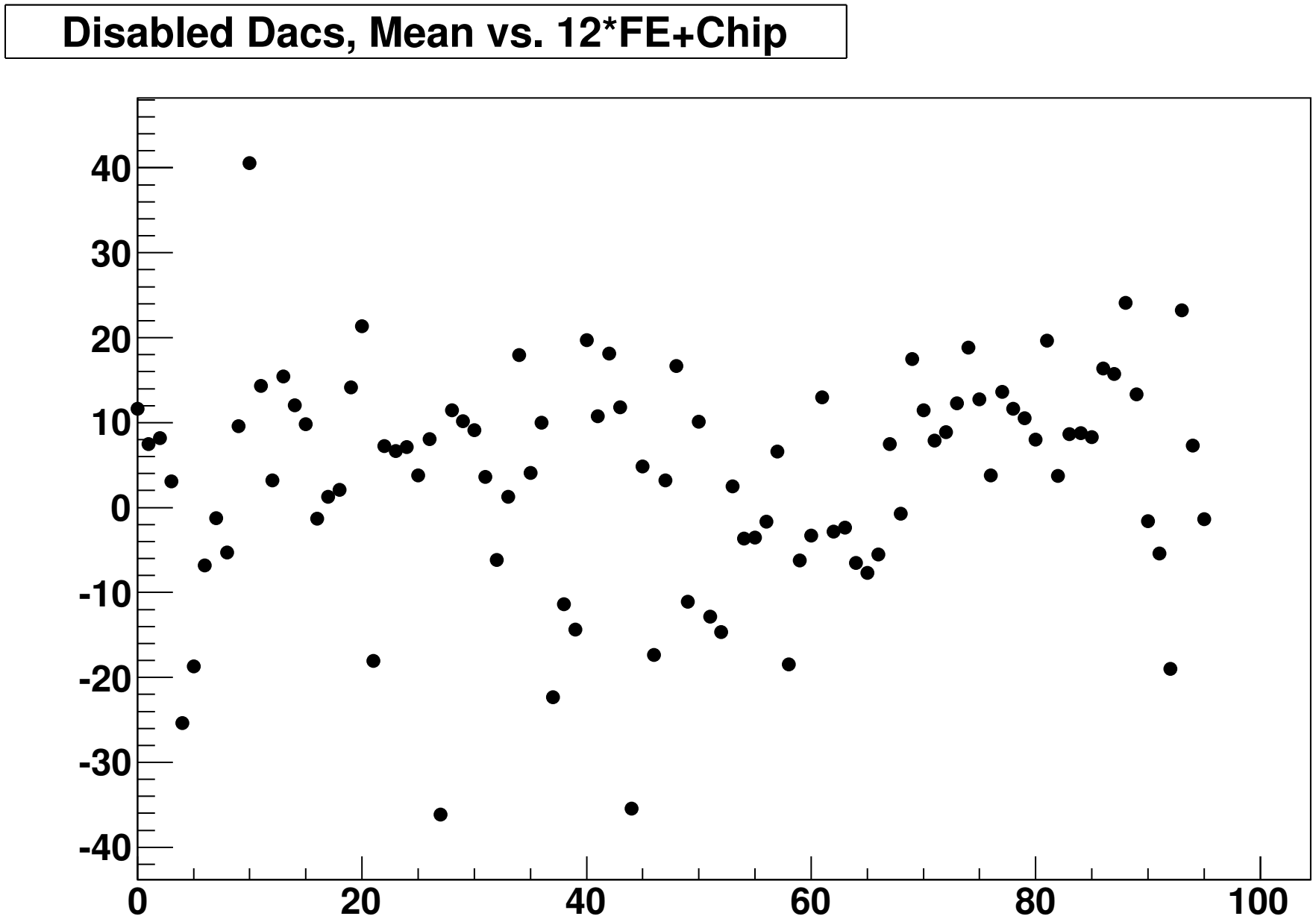

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 943.1 / 46
p0 1.361 ± 0.002585
p1 3.415e-05 ± 1.389e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

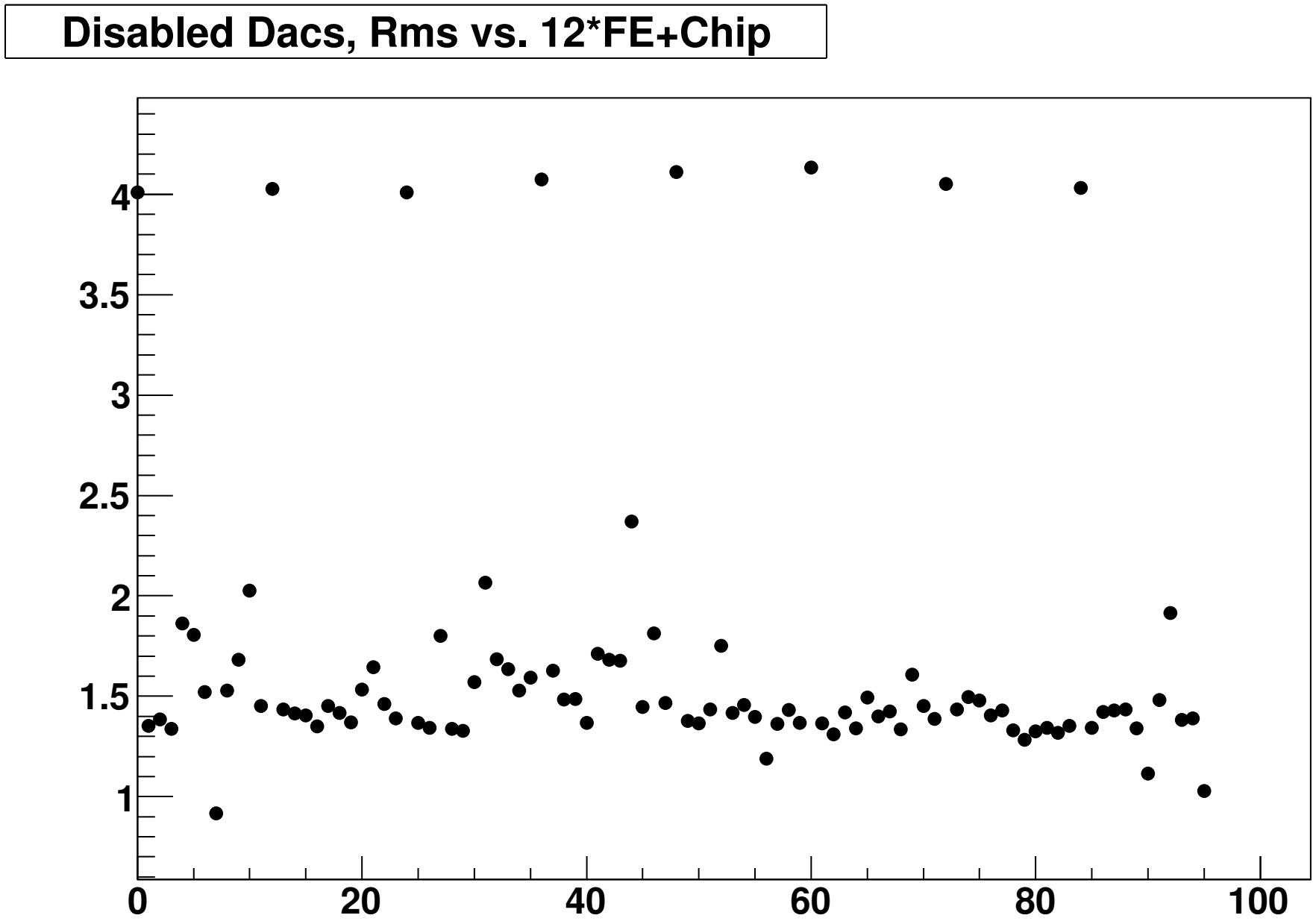

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 1811 / 46
p0 -52.17 ± 0.004679
p1 3.633e-06 ± 1.624e-07
-51.6
-51.7
-51.8
-51.9
-52
-52.1
-52.2
-52.3
-52.4
0
10000
20000
30000
40000
50000
60000
70000

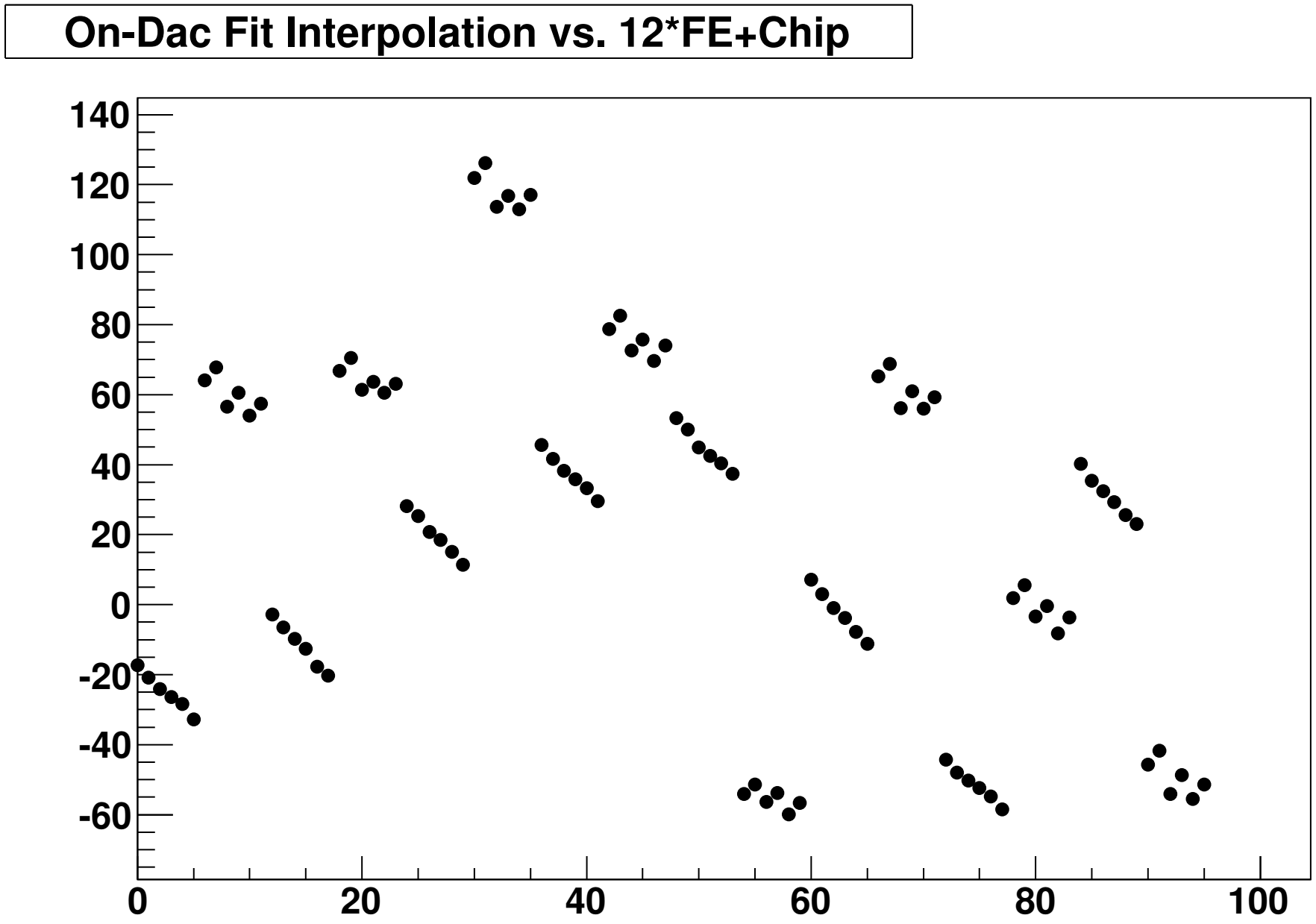

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 45.35 / 46
p0 1.514 ± 0.002458
p1 1.777e-06 ± 1.892e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000

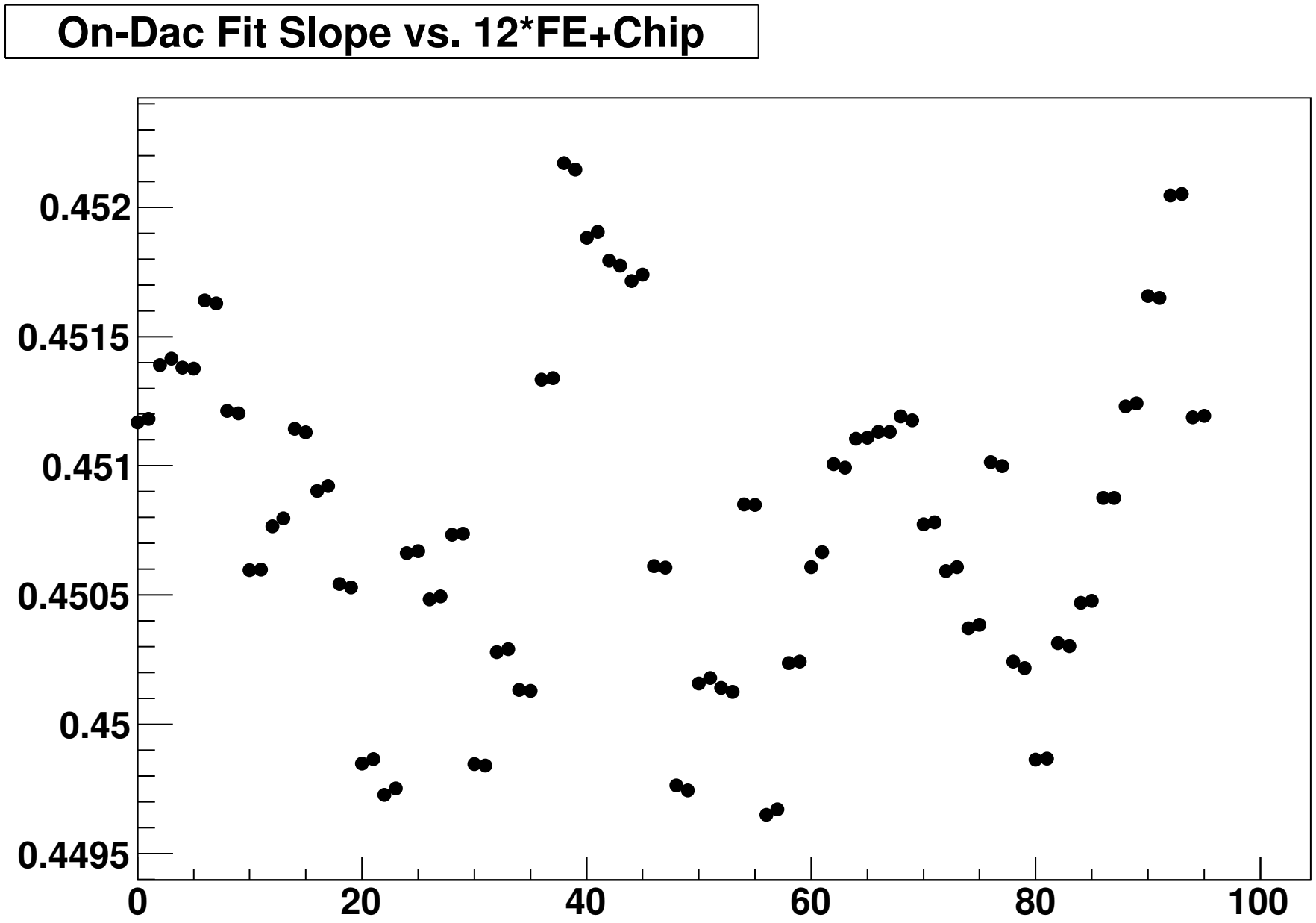

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 1.254e+05 / 46
p0 -51.34 ± 0.004656
p1 0.4512 ± 1.853e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

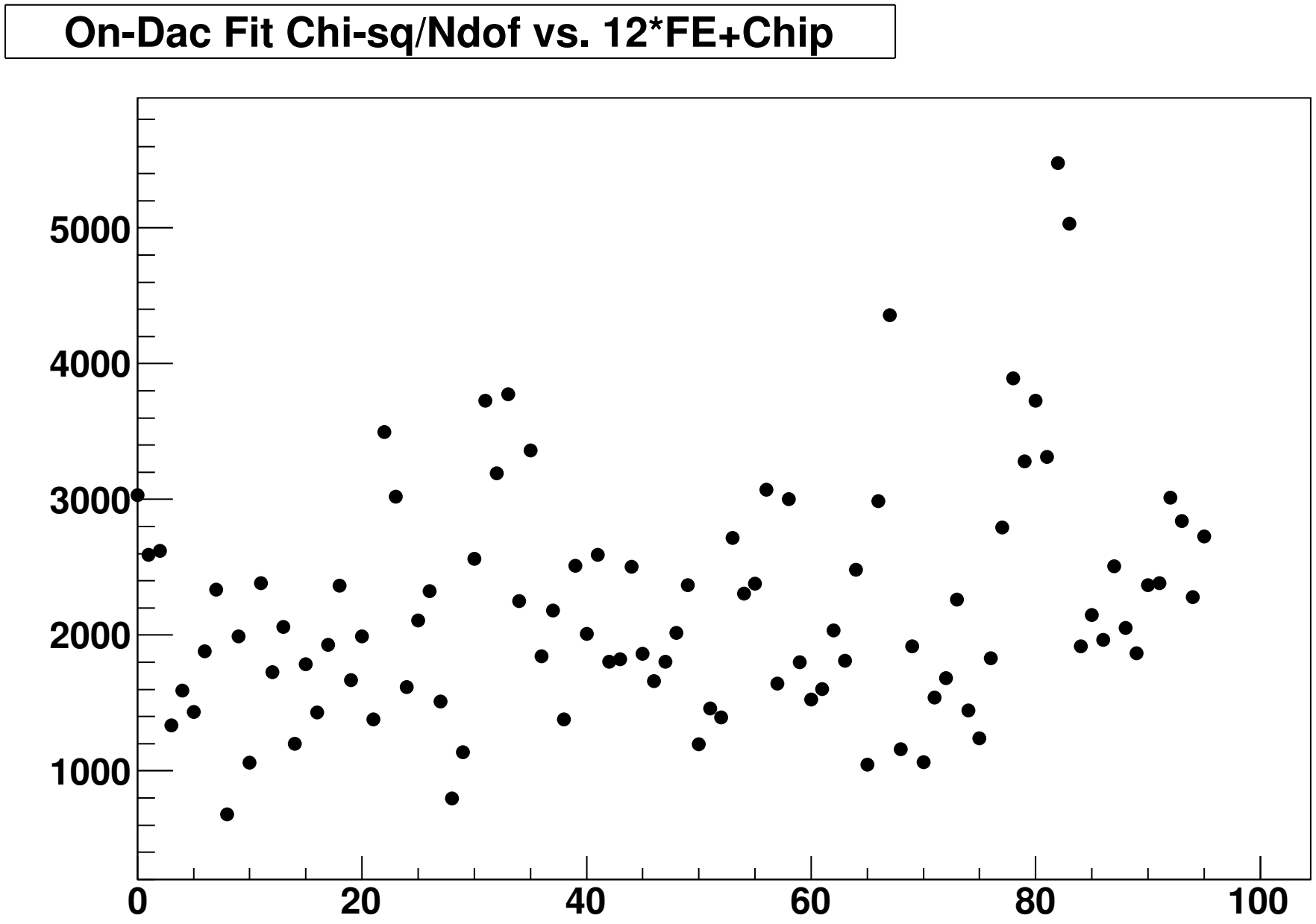

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 975.7 / 46
p0 1.363 ± 0.002598
p1 3.46e-05 ± 1.389e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

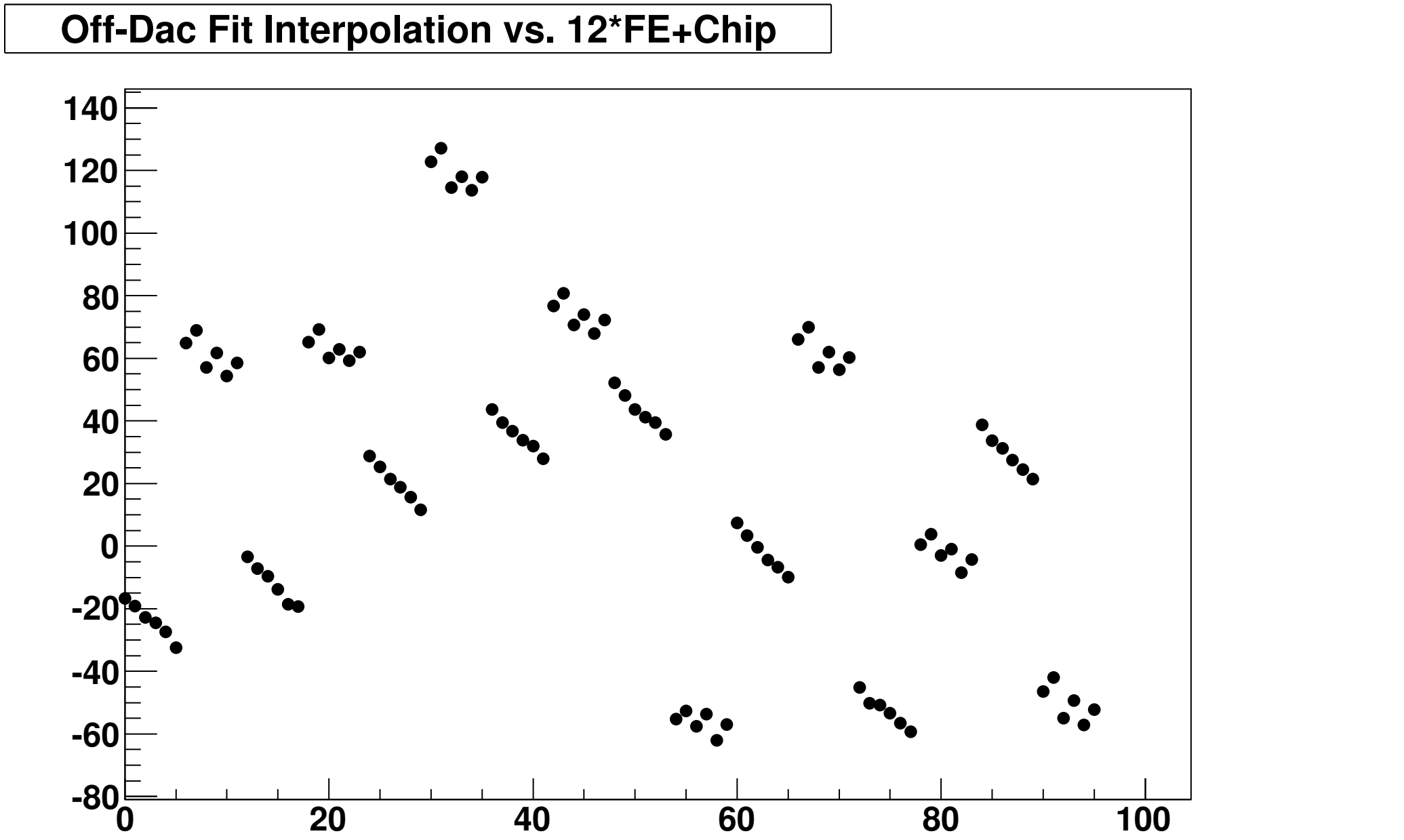

Disabled Dacs, Mean vs. 12*FE+Chip
40
30
20
10
0
-10
-20
-30
-40
0
20
40
60
80
100

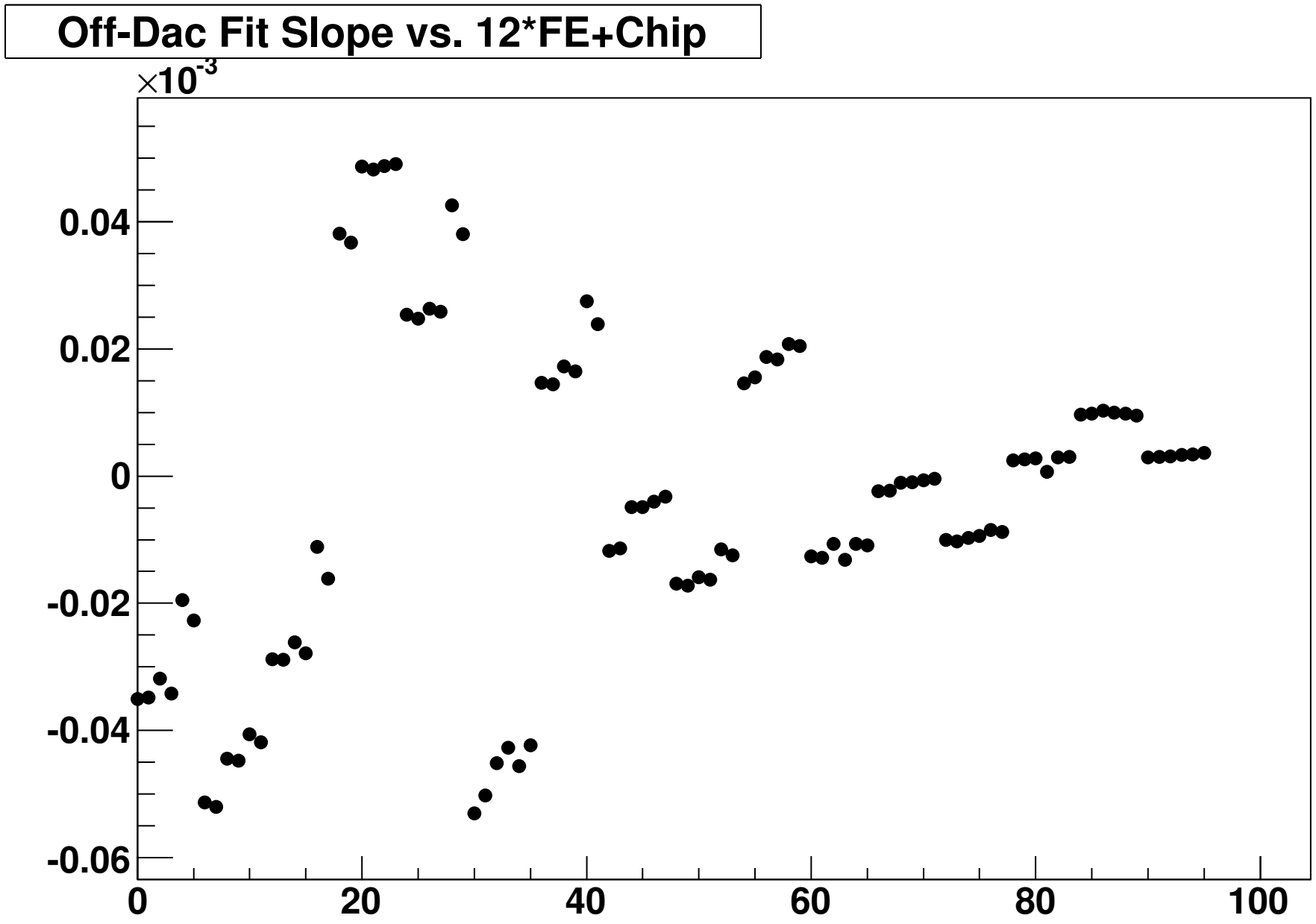

Disabled Dacs, Rms vs. 12*FE+Chip
4
3.5
3
2.5
2
1.5
1
0
20
40
60
80
100

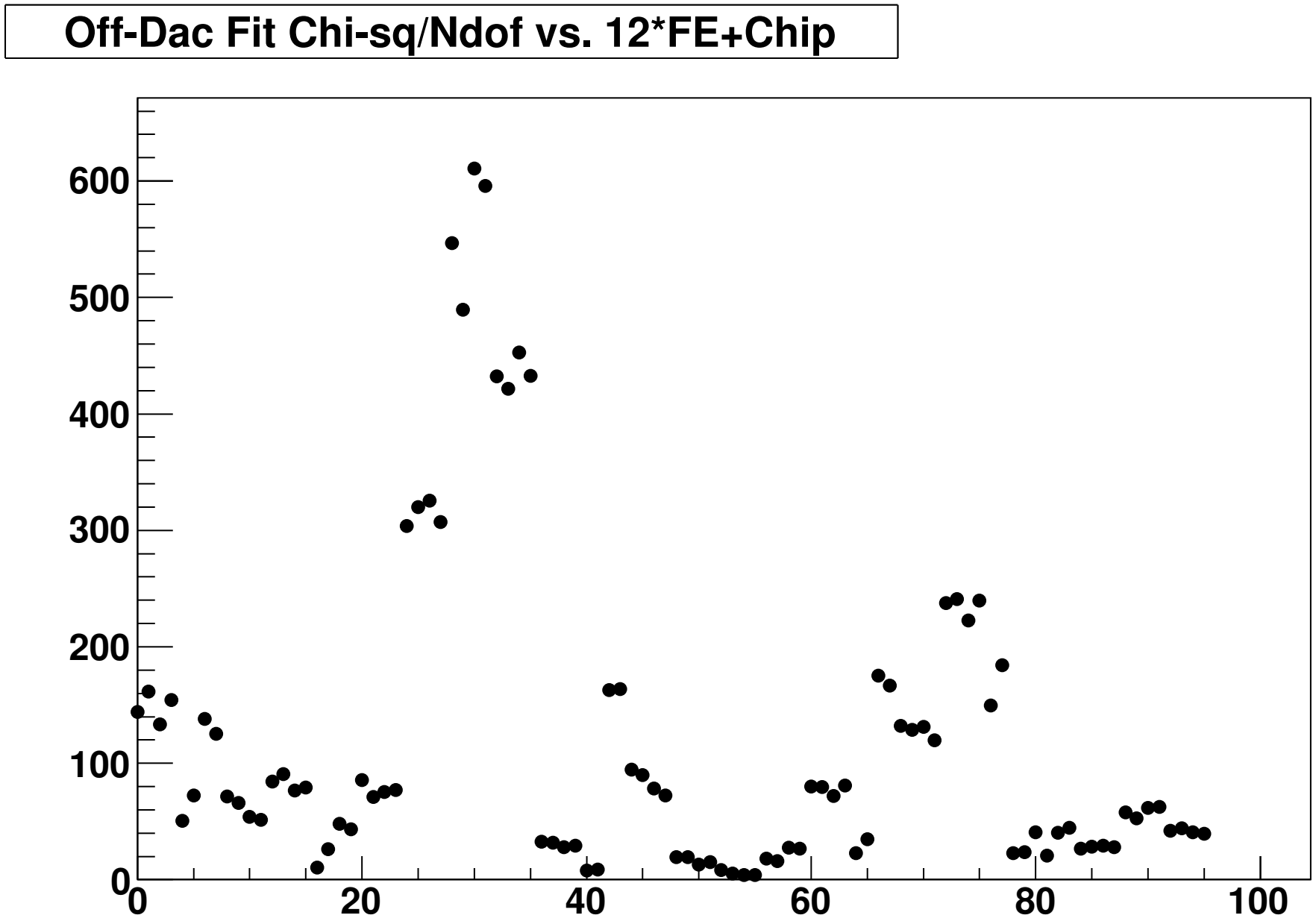

On-Dac Fit Interpolation vs. 12*FE+Chip
140
120
100
80
60
40
20
0
-20
-40
-60
0
20
40
60
80
100

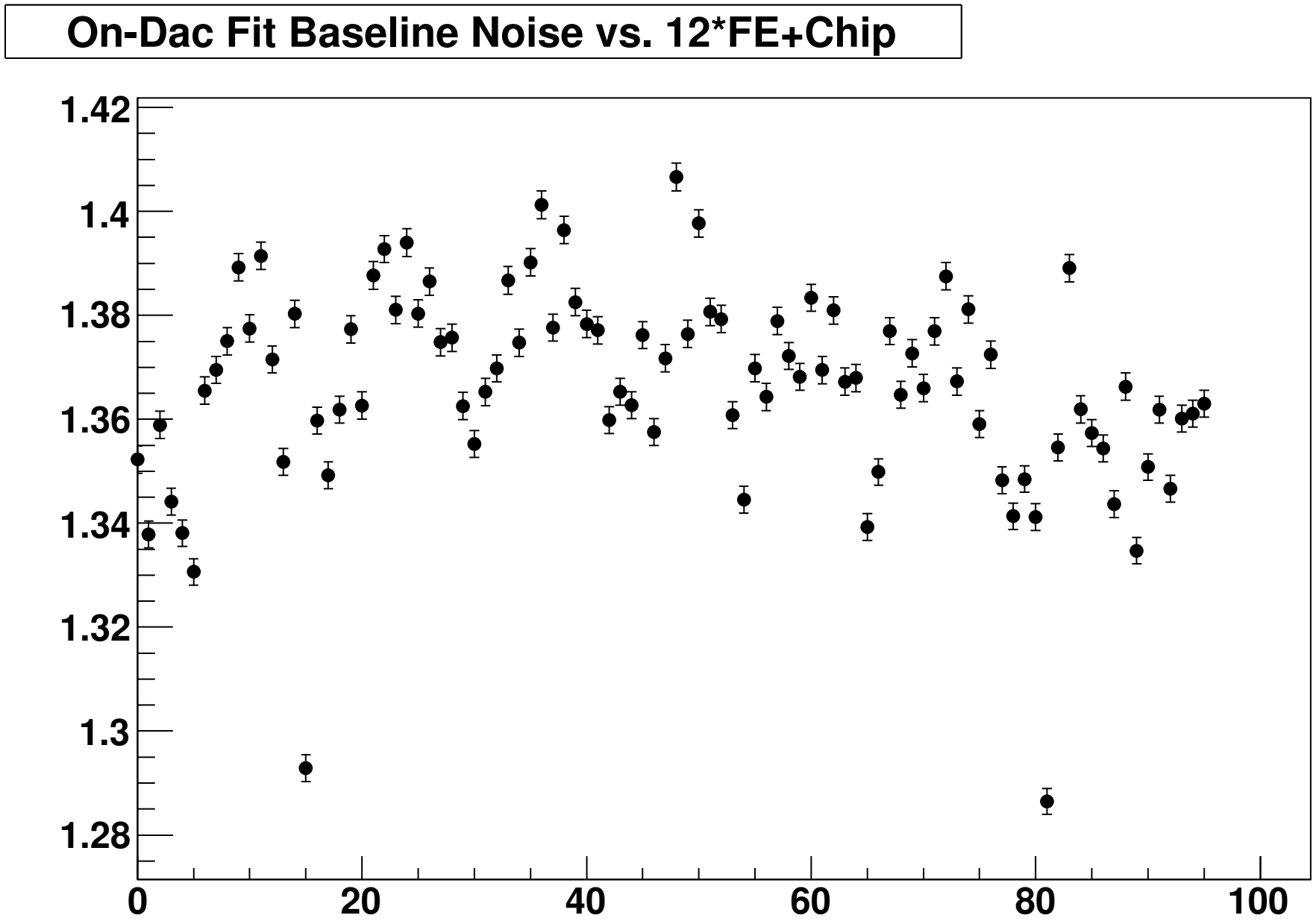

On-Dac Fit Slope vs. 12*FE+Chip
0.452
0.4515
0.451
0.4505
0.45
0.4495
0
20
40
60
80
100

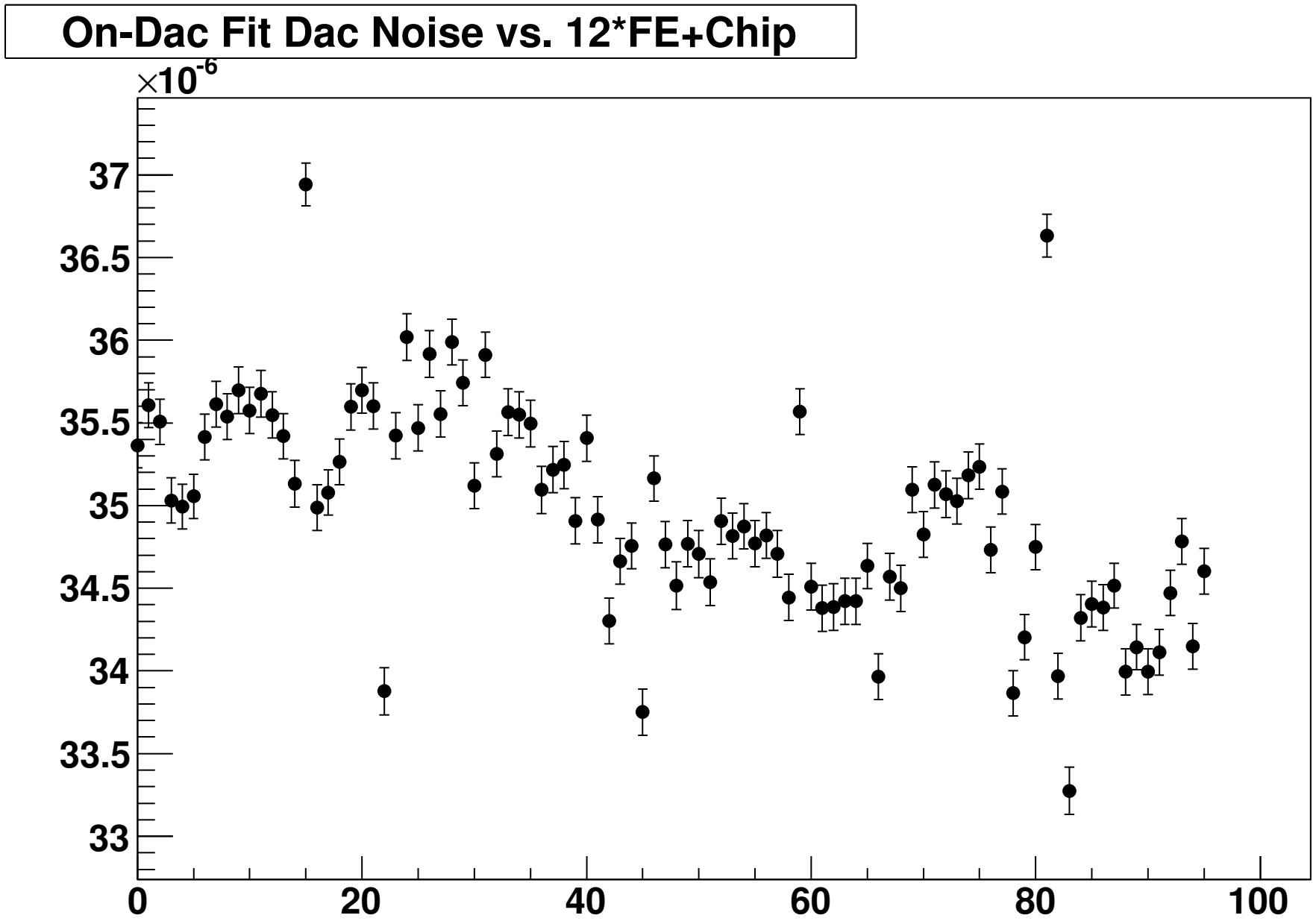

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
5000
4000
3000
2000
1000
0
20
40
60
80
100

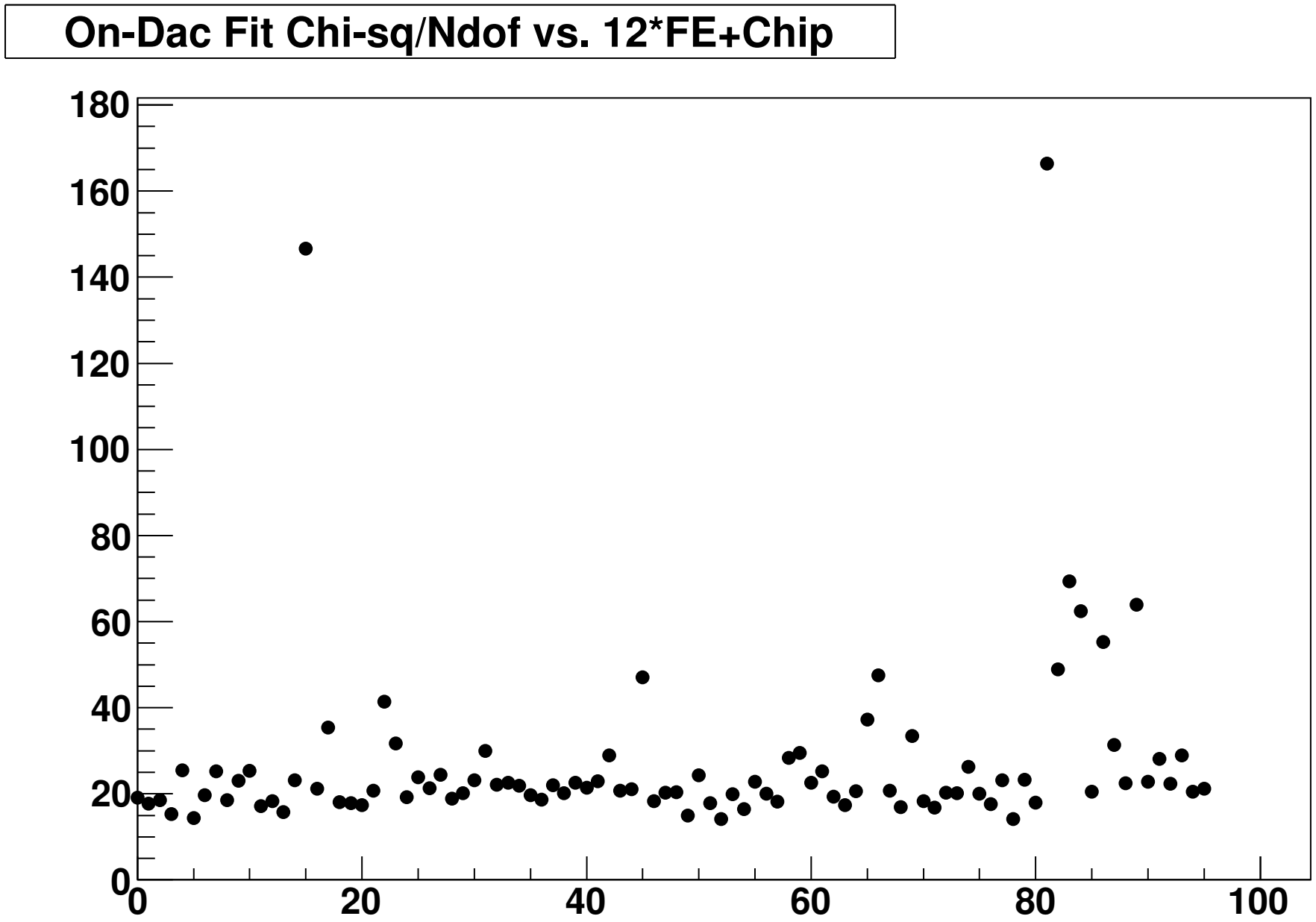

Off-Dac Fit Interpolation vs. 12*FE+Chip
140
120
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100

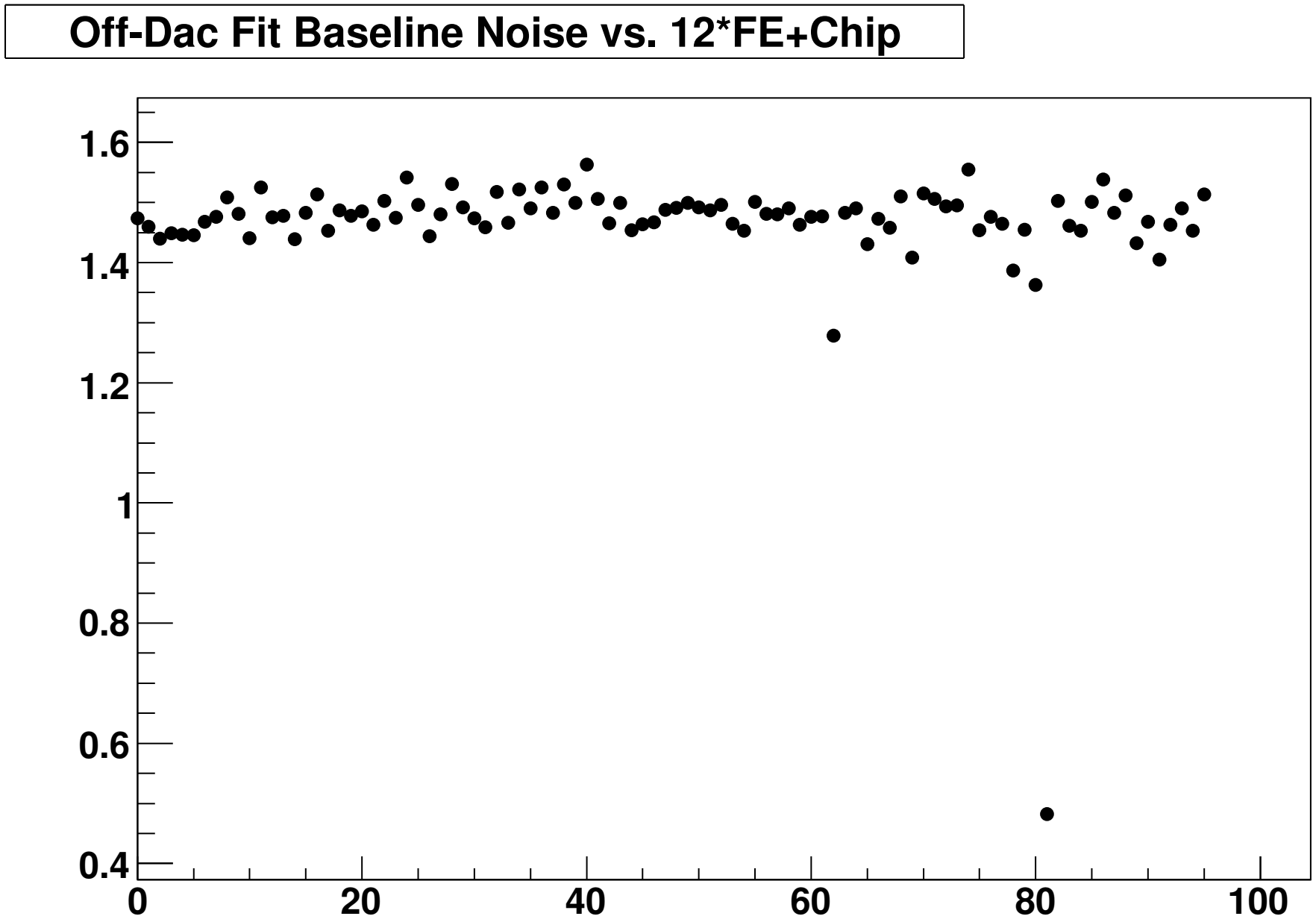

Off-Dac Fit Slope vs. 12*FE+Chip
×10-3
0.04
0.02
0
-0.02
-0.04
-0.06
0
20
40
60
80
100

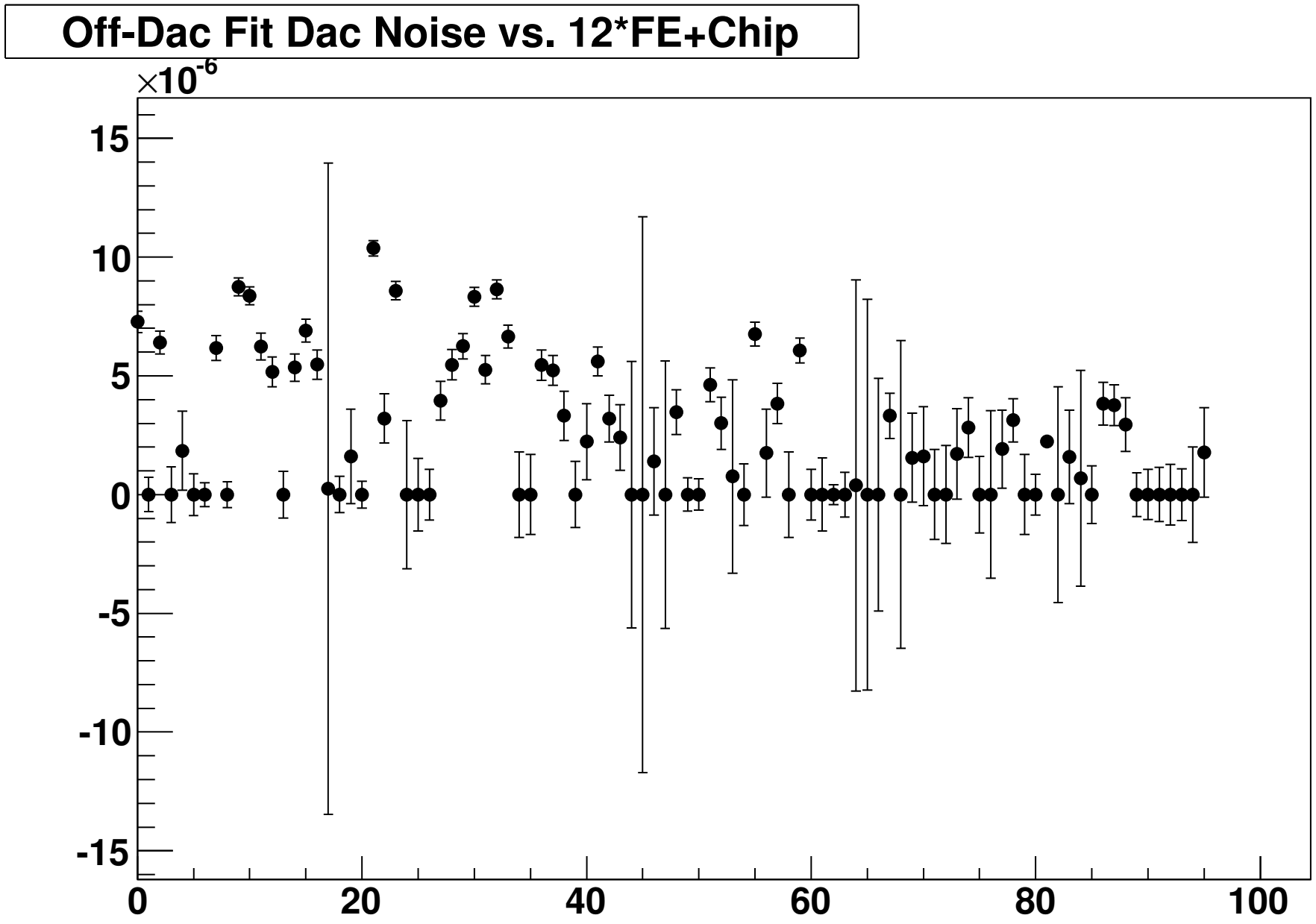

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
600
500
400
300
200
100
0
0
20
40
60
80
100

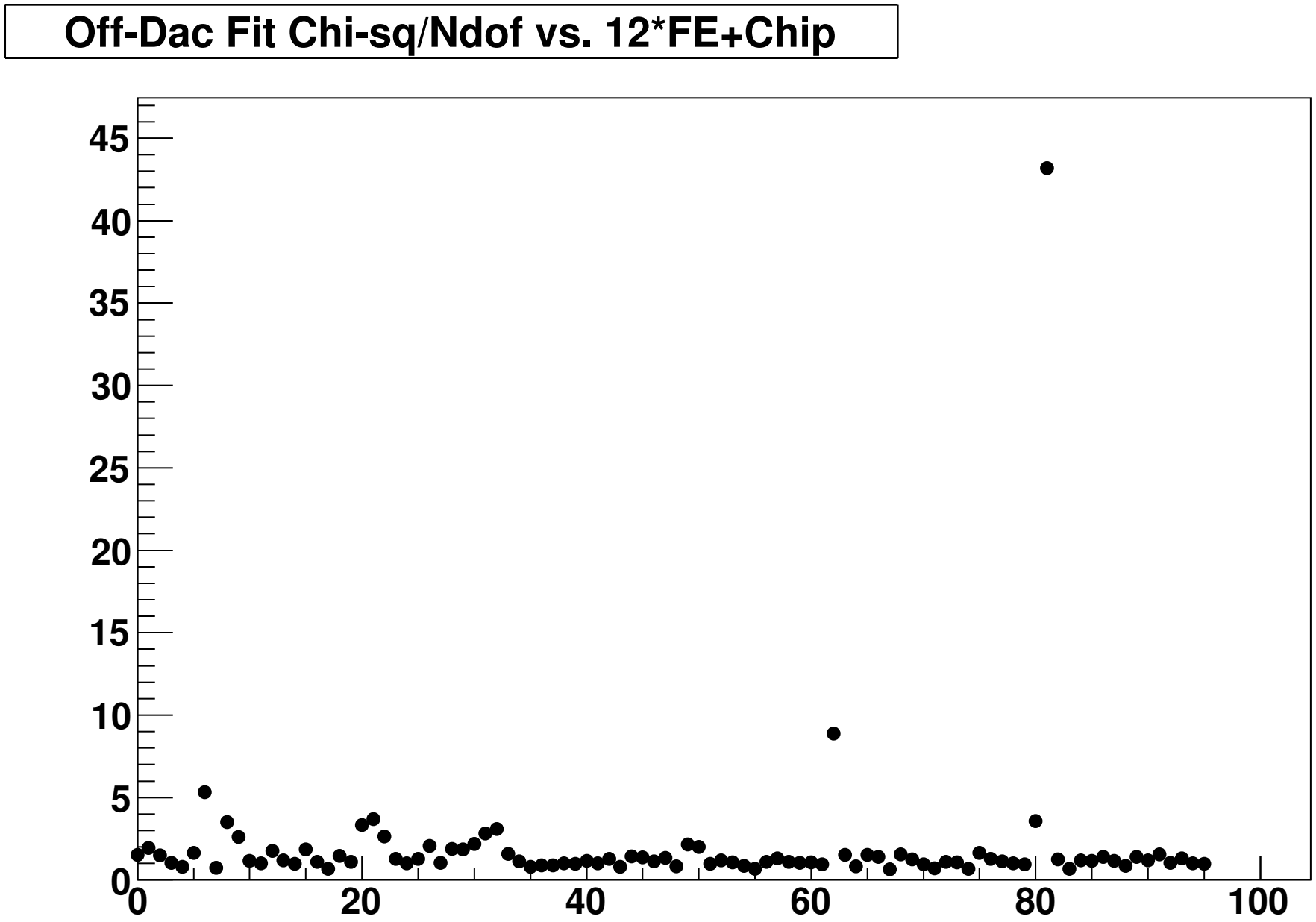

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.42
1.4
1.38
1.36
1.34
1.32
1.3
1.28
0
20
40
60
80
100

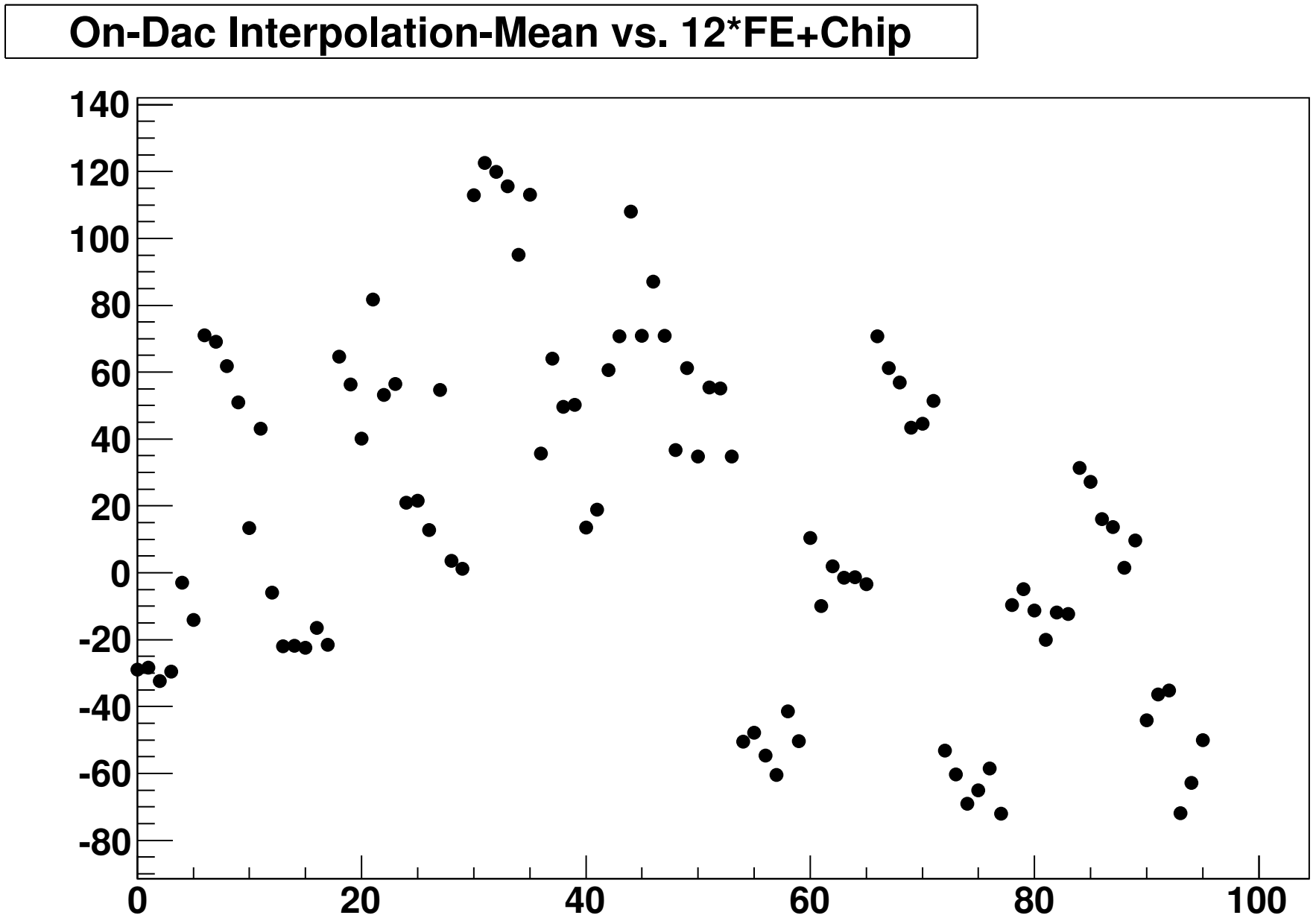

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
37
36.5
36
35.5
35
34.5
34
33.5
33
0
20
40
60
80
100

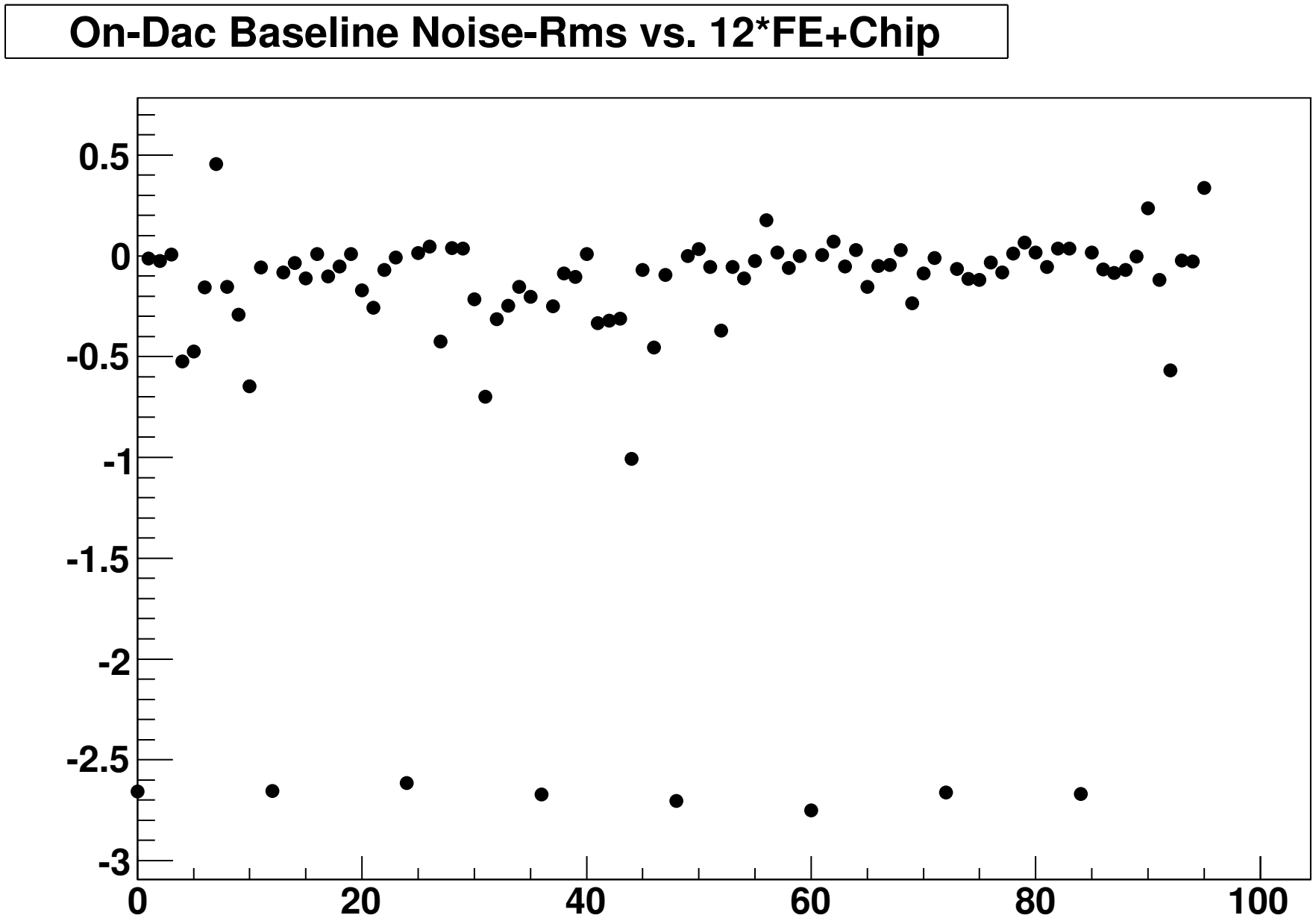

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100

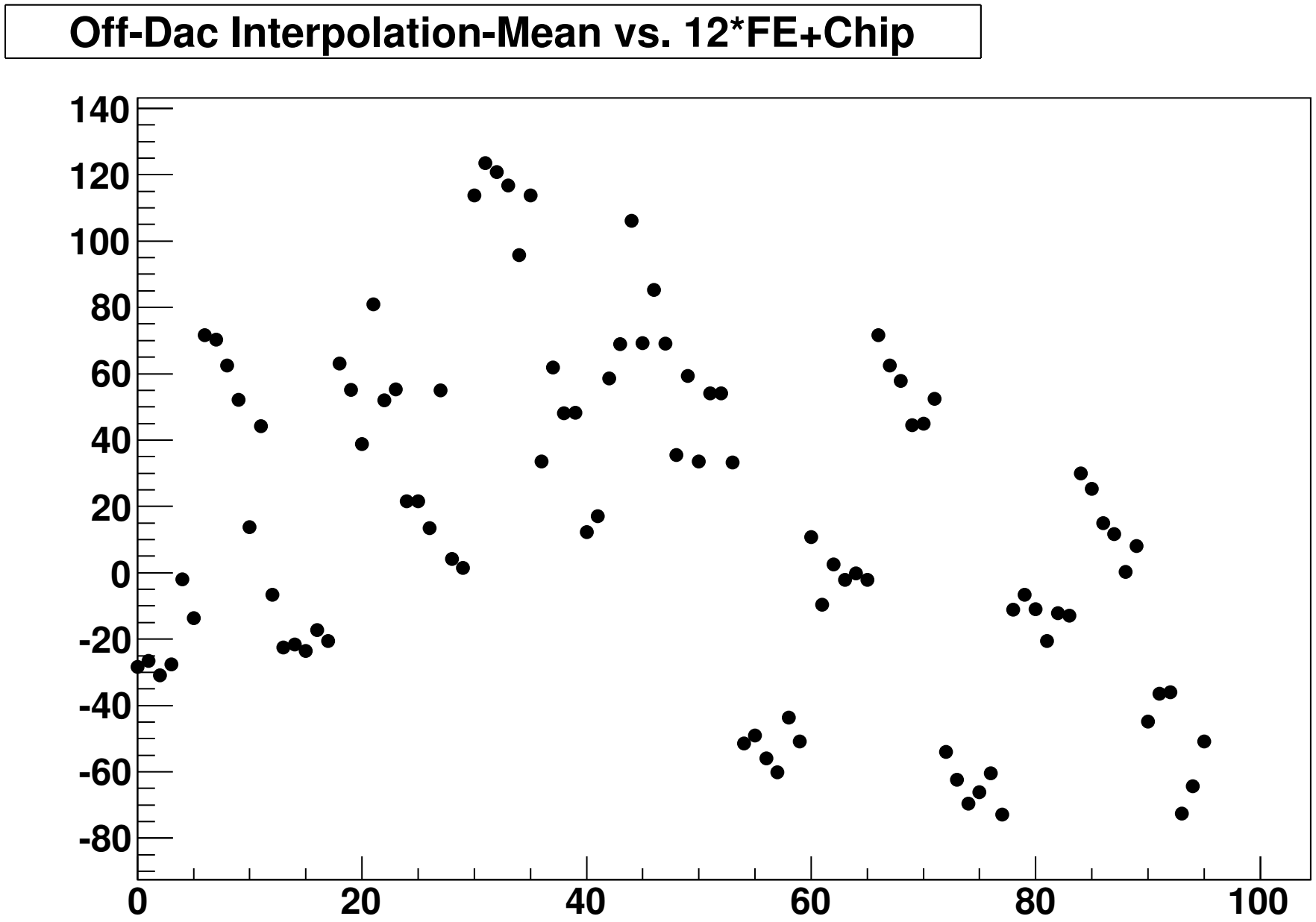

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.4
1.2
1
0.8
0.6
0.4
0
20
40
60
80
100

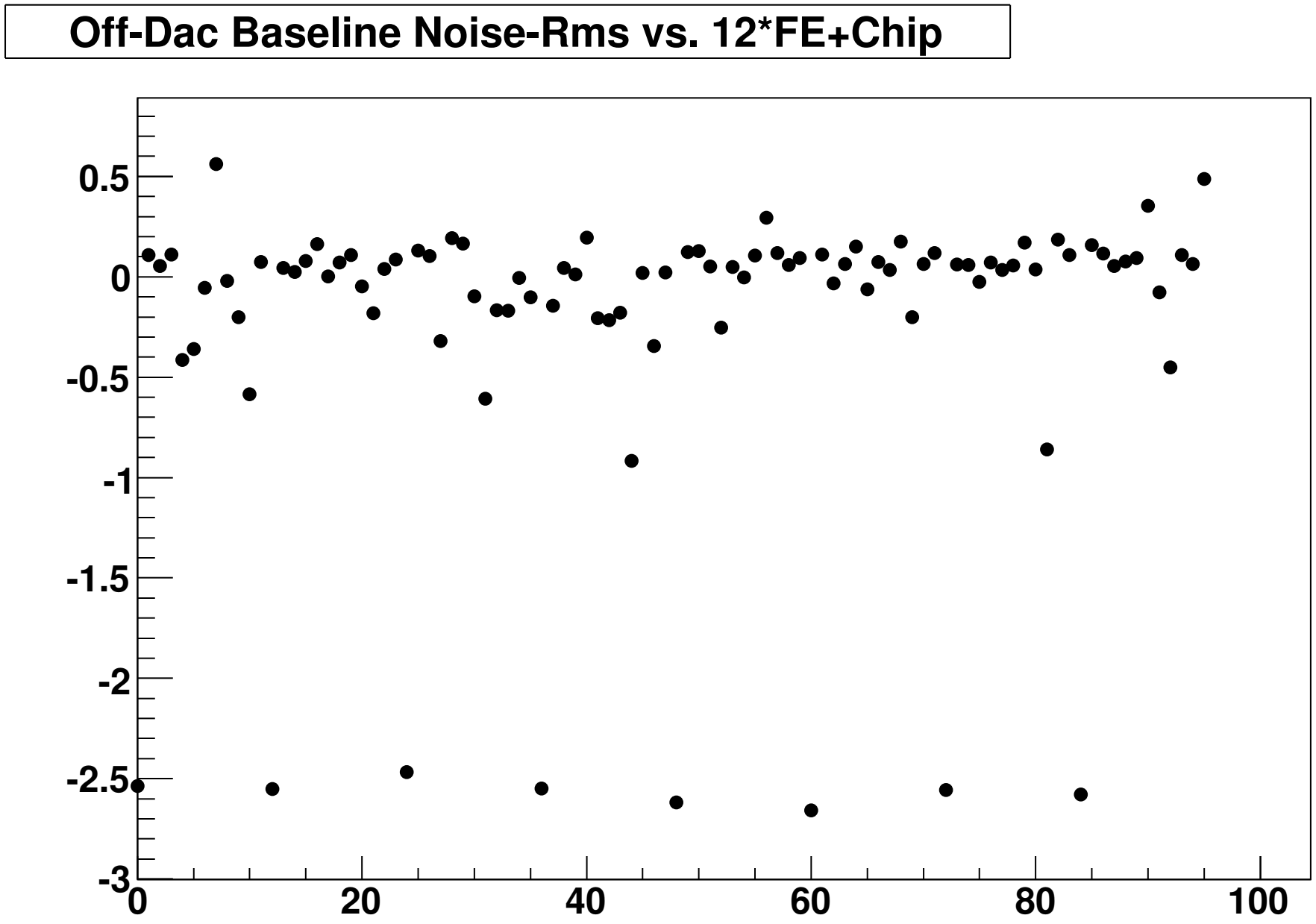

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
15
10
5
0
-5
-10
-15
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
45
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
140
120
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
140
120
100
80
60
40
20
0
-20
-40
-60
-80
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.5
0
-0.5
-1
-1.5
-2
-2.5
-3
0
20
40
60
80
100