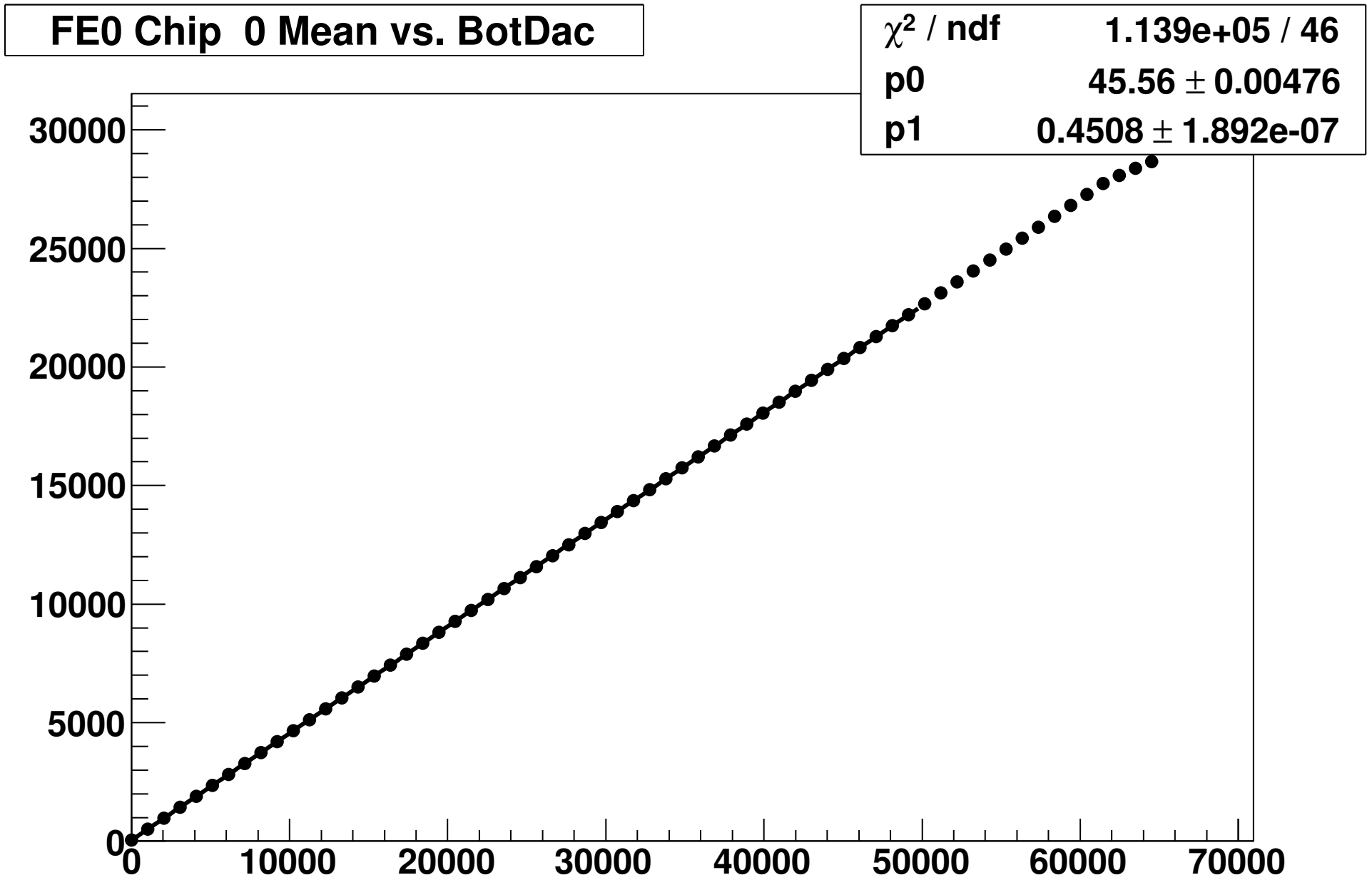
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 1.139e+05 / 46
p0 45.56 ± 0.00476
p1 0.4508 ± 1.892e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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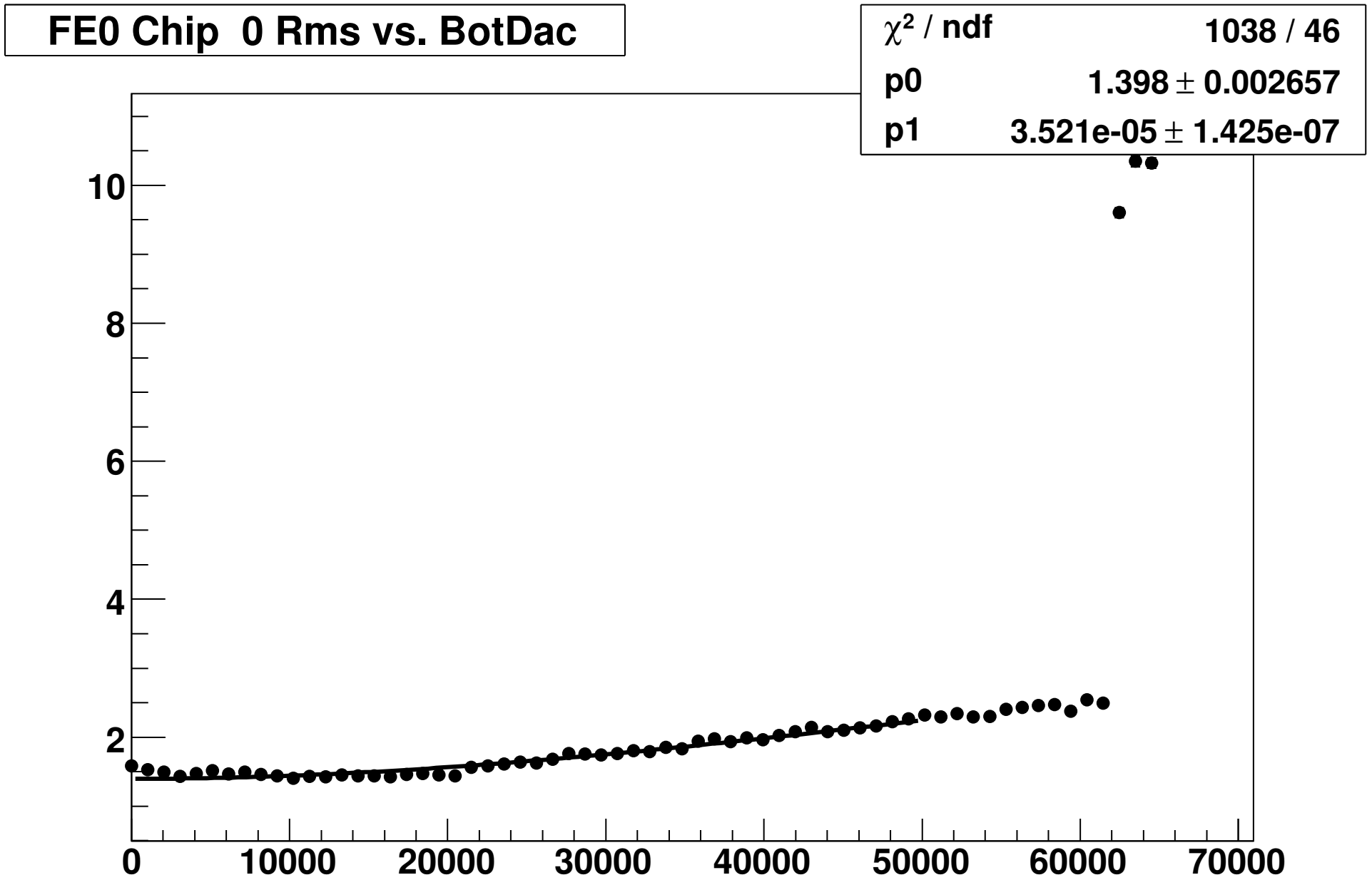
60000
70000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 1038 / 46
p0 1.398 ± 0.002657
p1 3.521e-05 ± 1.425e-07
10
8
6
4
2
0
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20000
30000
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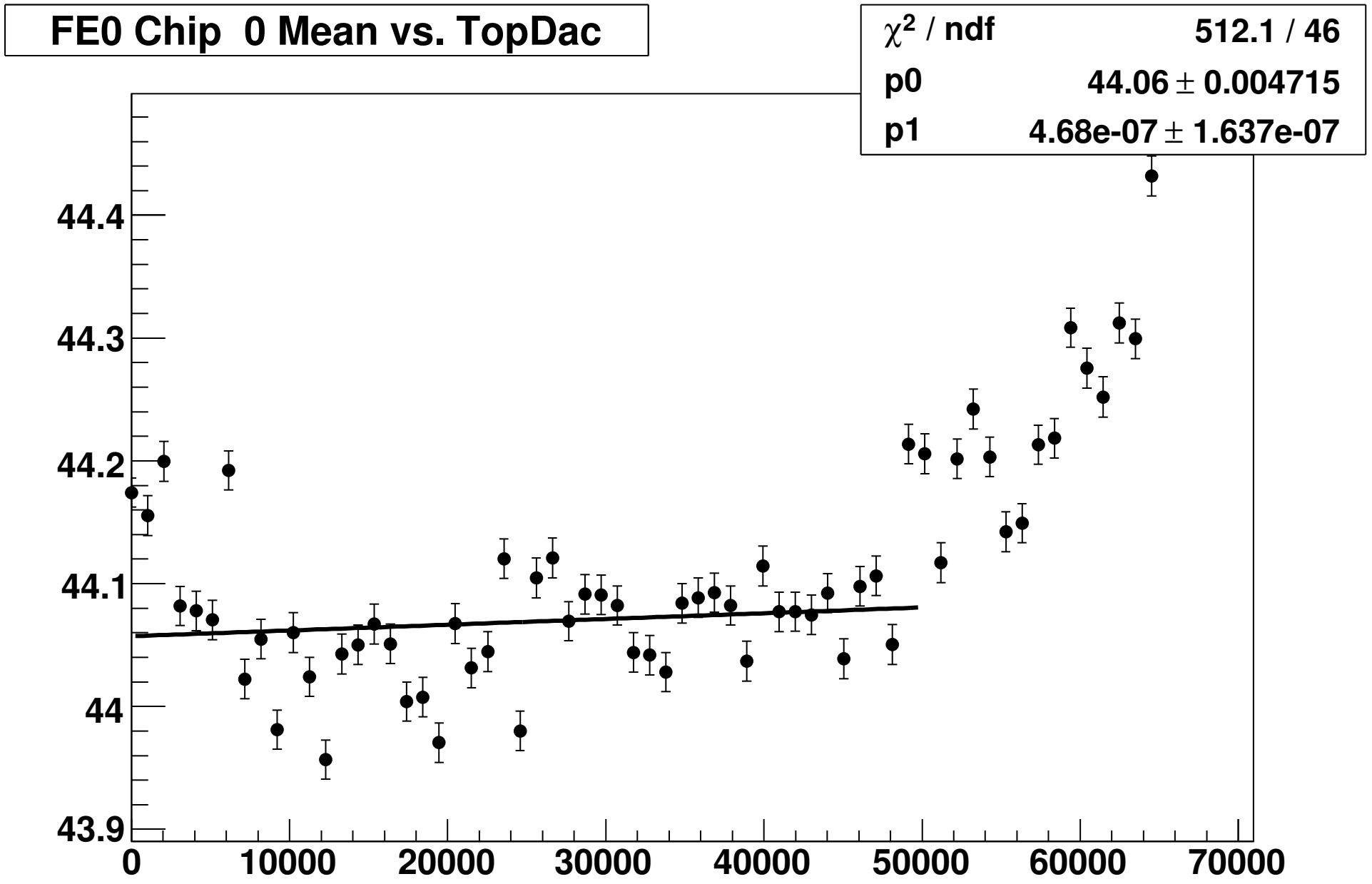
60000
70000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 512.1 / 46
p0 44.06 ± 0.004715
p1 4.68e-07 ± 1.637e-07
44.4
44.3
44.2
44.1
44
43.9
0
10000
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40000
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60000
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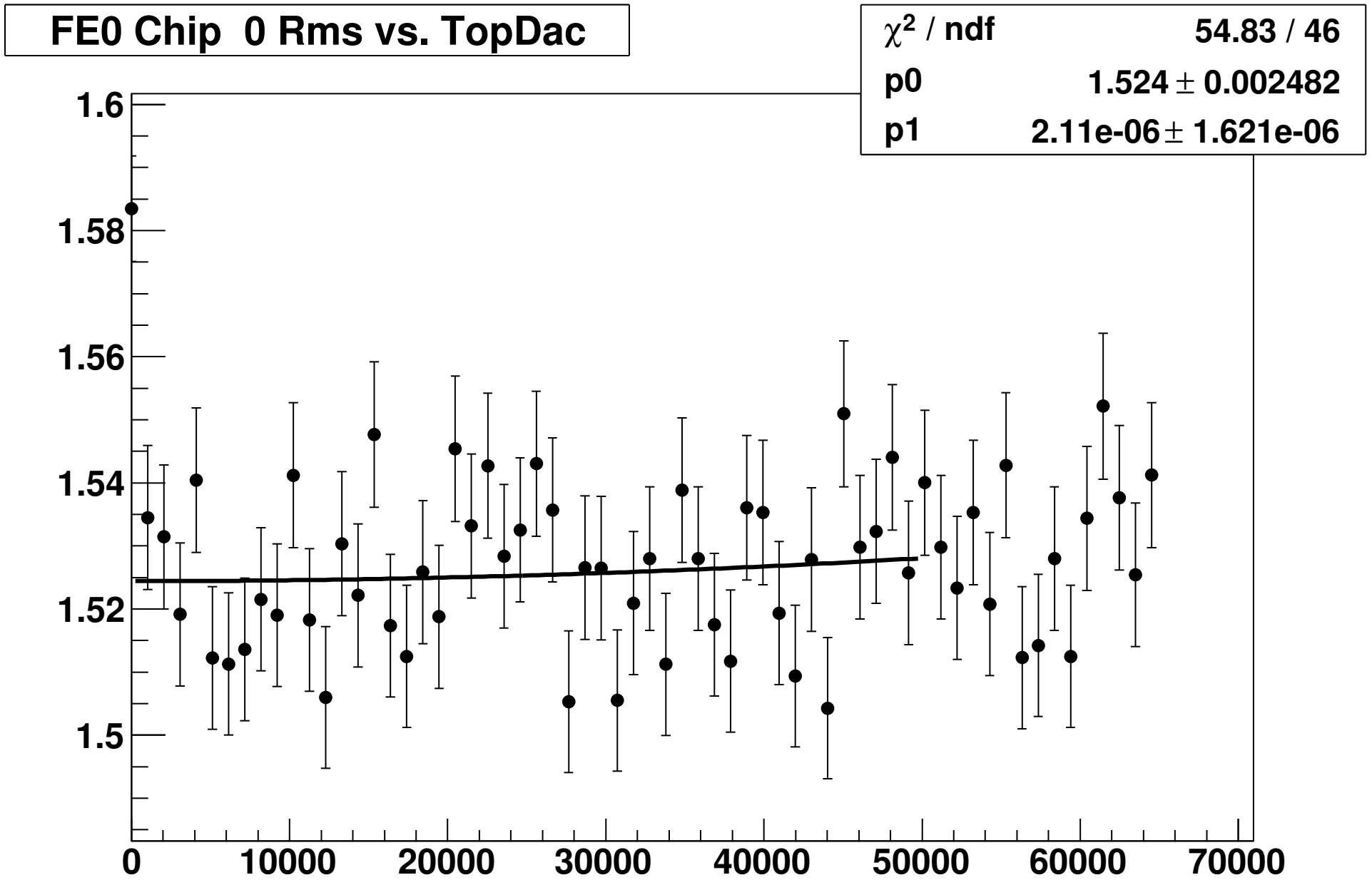
FE0 Chip 0 Rms vs. TopDac
χ² / ndf 54.83 / 46
p0 1.524 ± 0.002482
p1 2.11e-06 ± 1.621e-06
1.6
1.58
1.56
1.54
1.52
1.5
0
10000
20000
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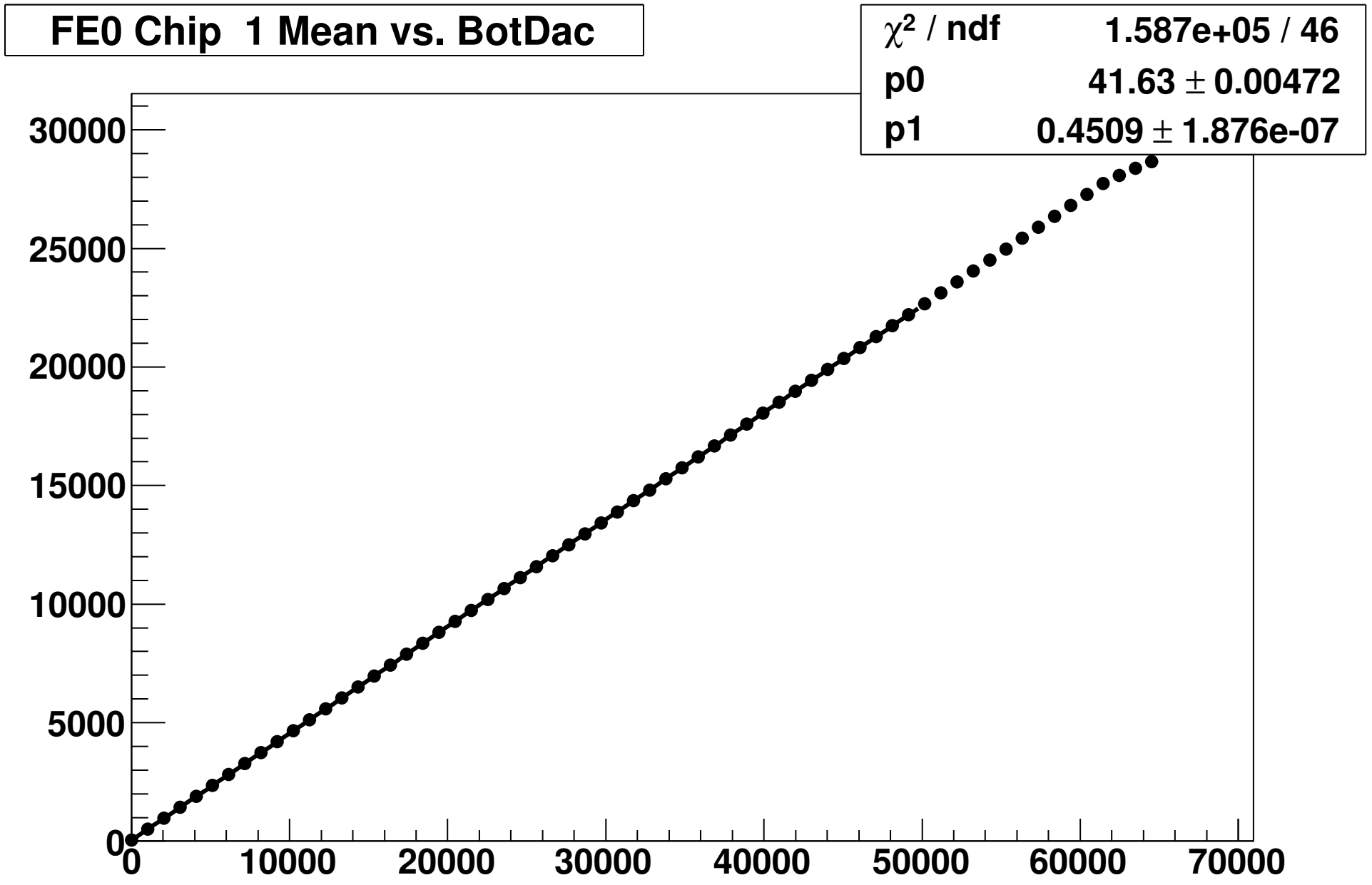
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 1.587e+05 / 46
p0 41.63 ± 0.00472
p1 0.4509 ± 1.876e-07
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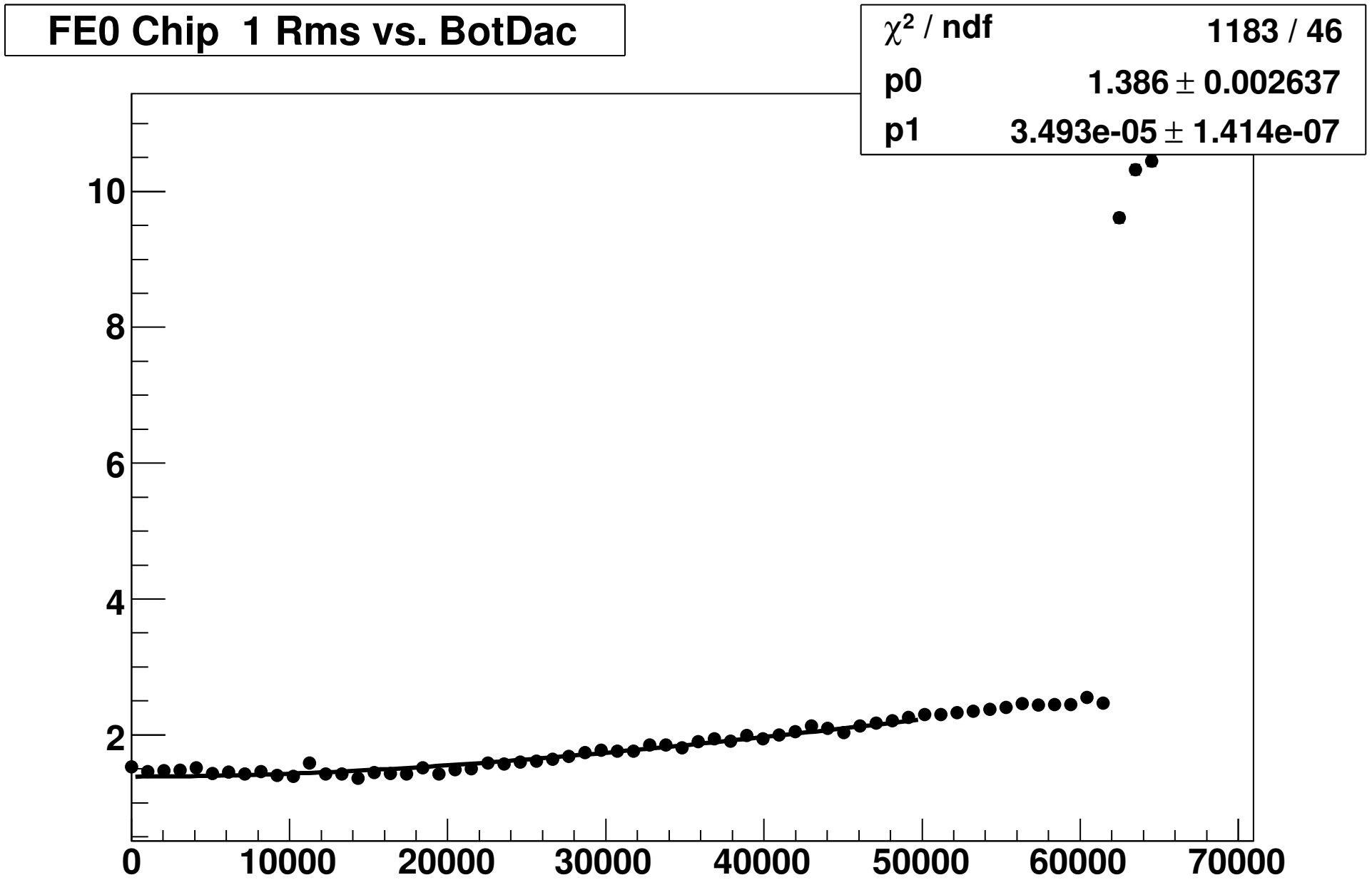
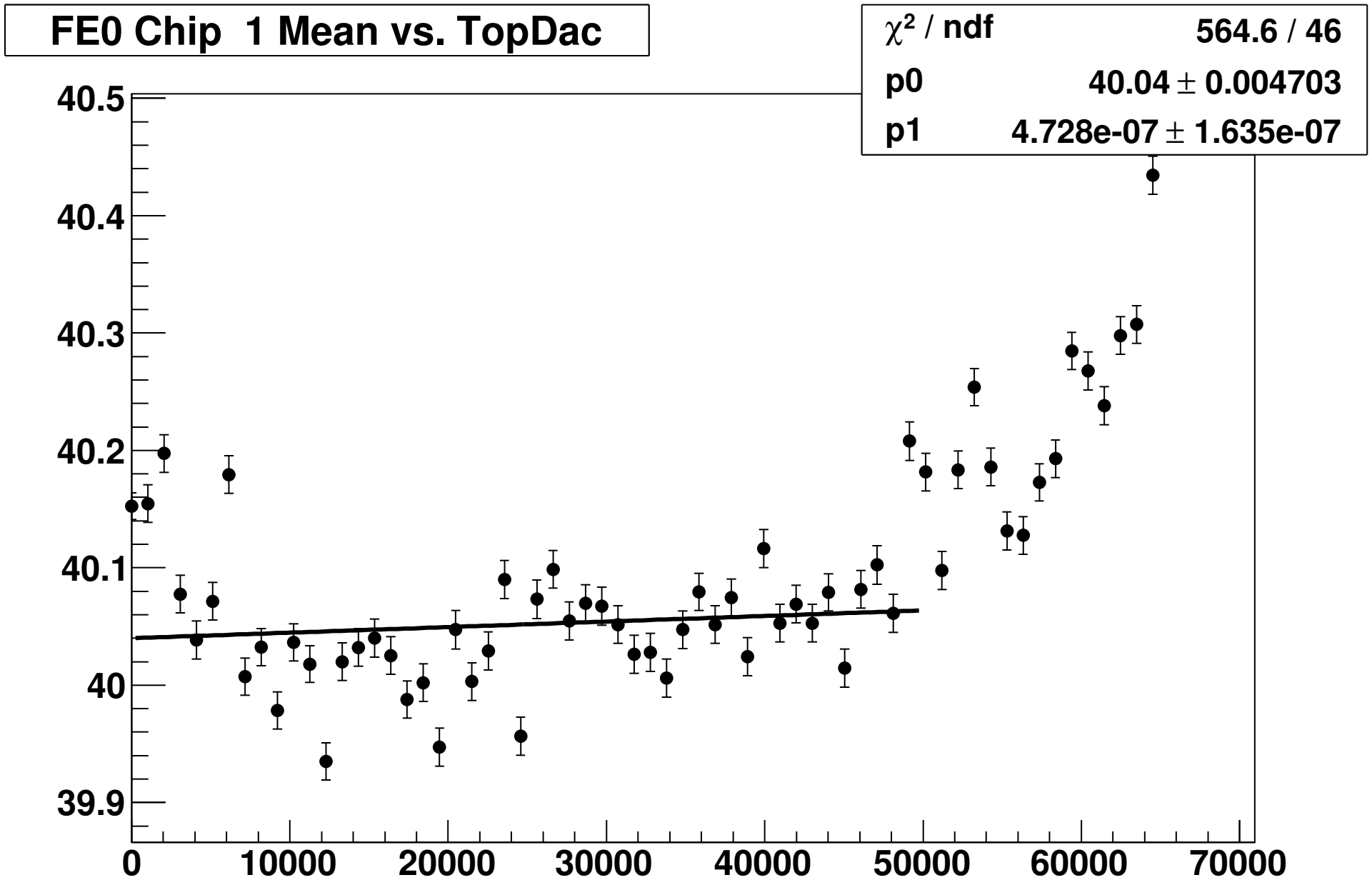
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 1183 / 46
p0 1.386 ± 0.002637
p1 3.493e-05 ± 1.414e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 1 Mean vs. TopDac
χ² / ndf 564.6 / 46
p0 40.04 ± 0.004703
p1 4.728e-07 ± 1.635e-07
40.5
40.4
40.3
40.2
40.1
40
39.9
0
10000
20000
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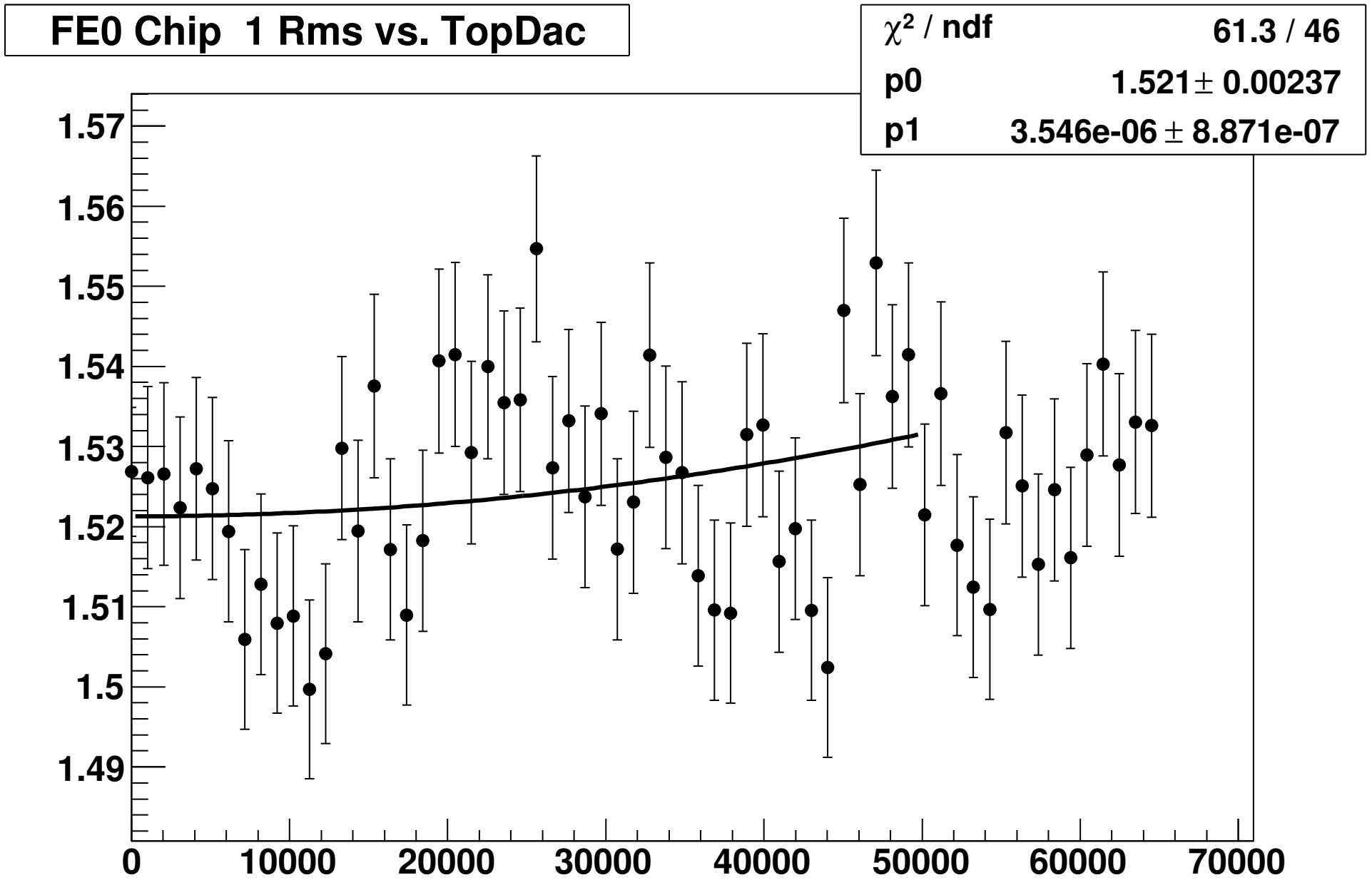
50000
60000
70000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 61.3 / 46
p0 1.521 ± 0.00237
p1 3.546e-06 ± 8.871e-07
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
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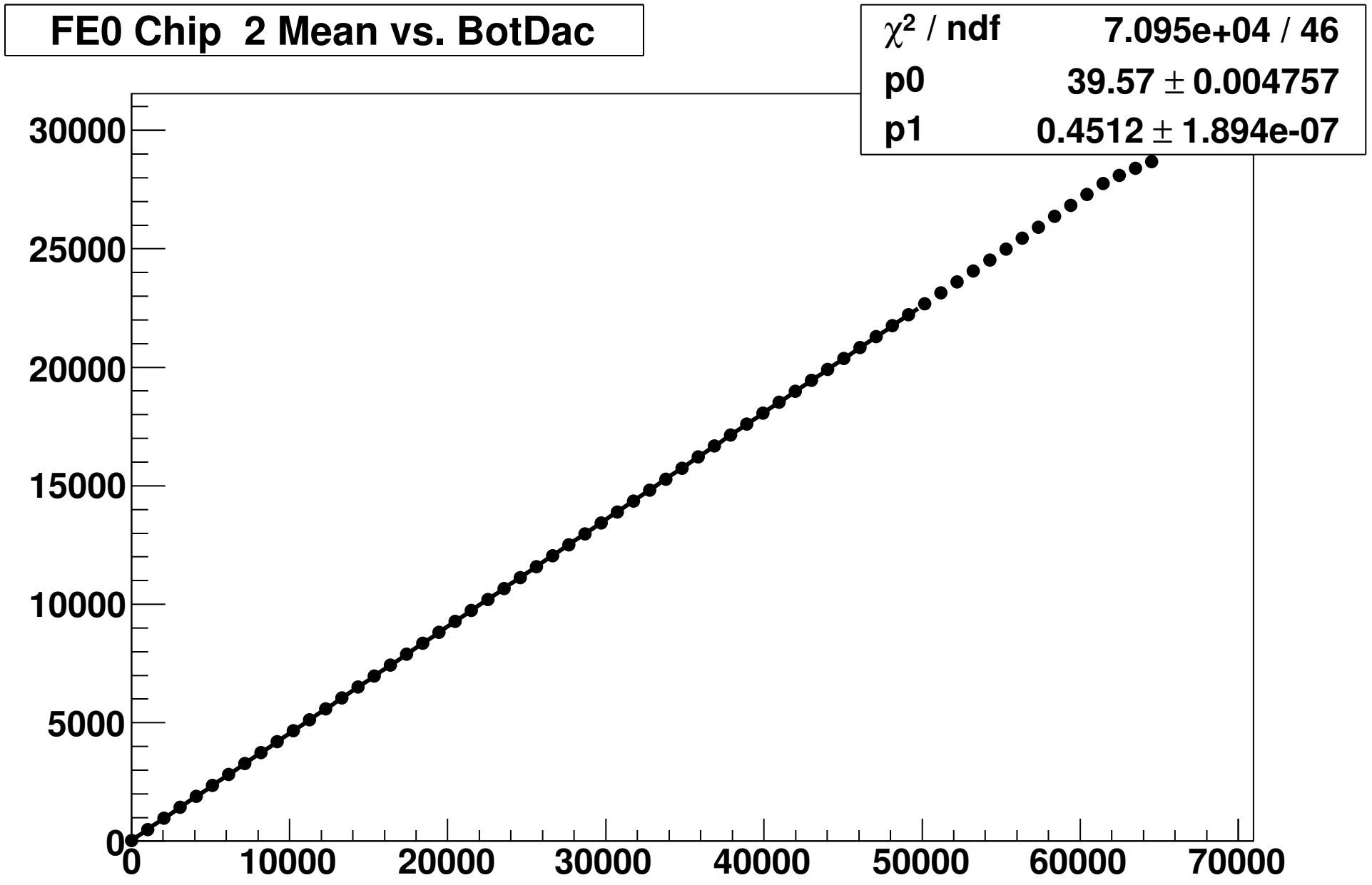
FE0 Chip 2 Mean vs. BotDac
χ² / ndf 7.095e+04 / 46
p0 39.57 ± 0.004757
p1 0.4512 ± 1.894e-07
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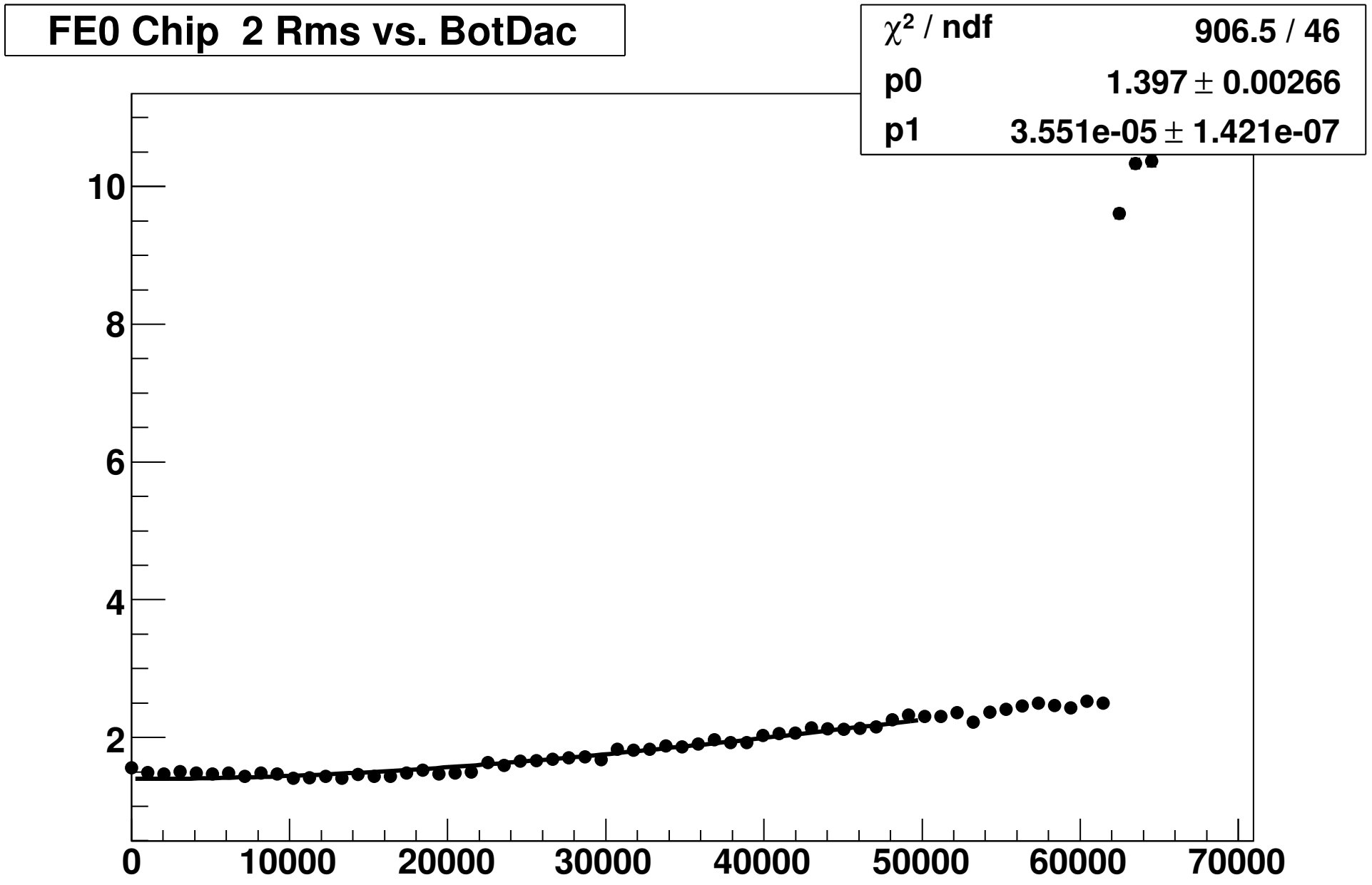
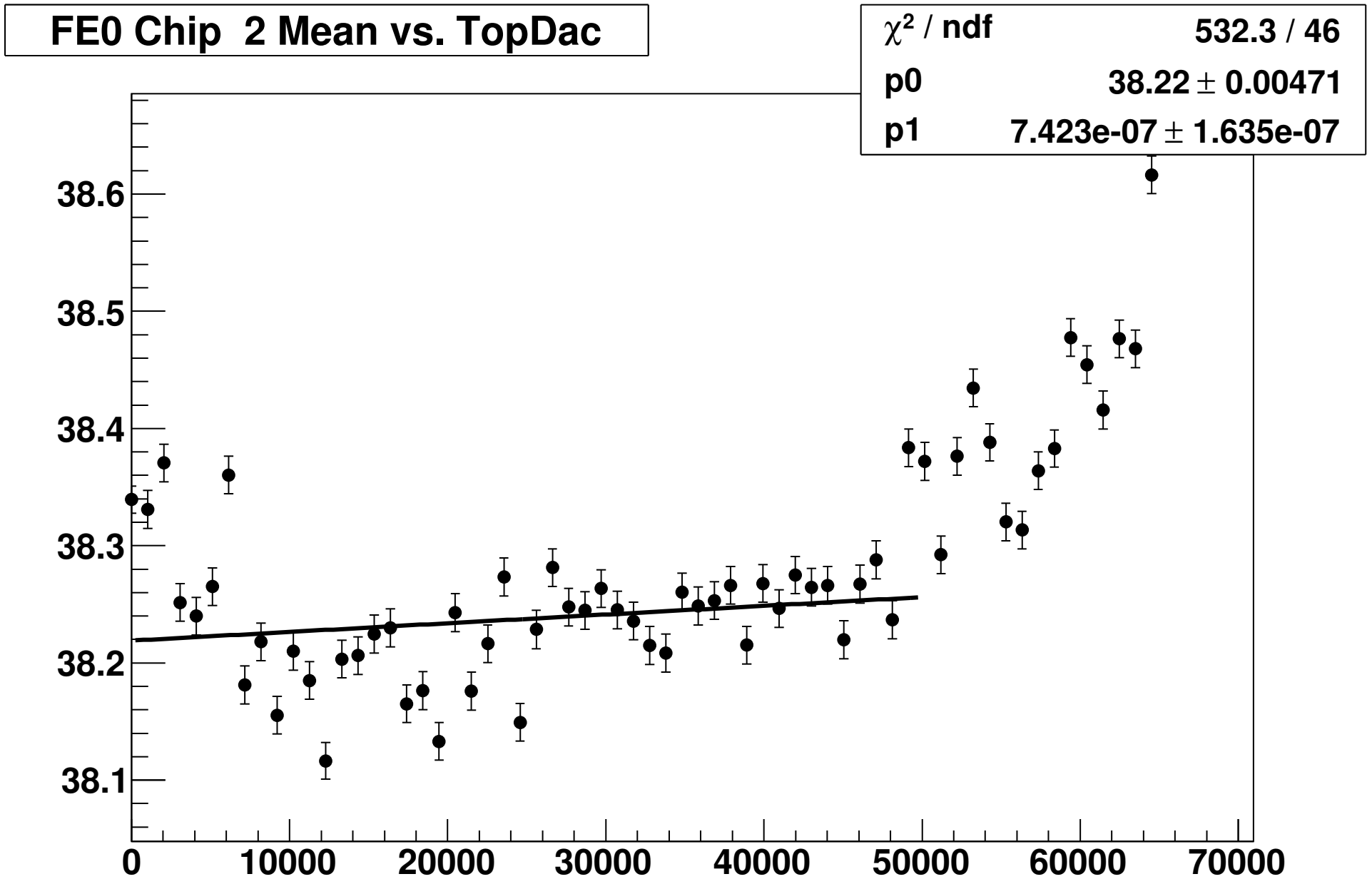
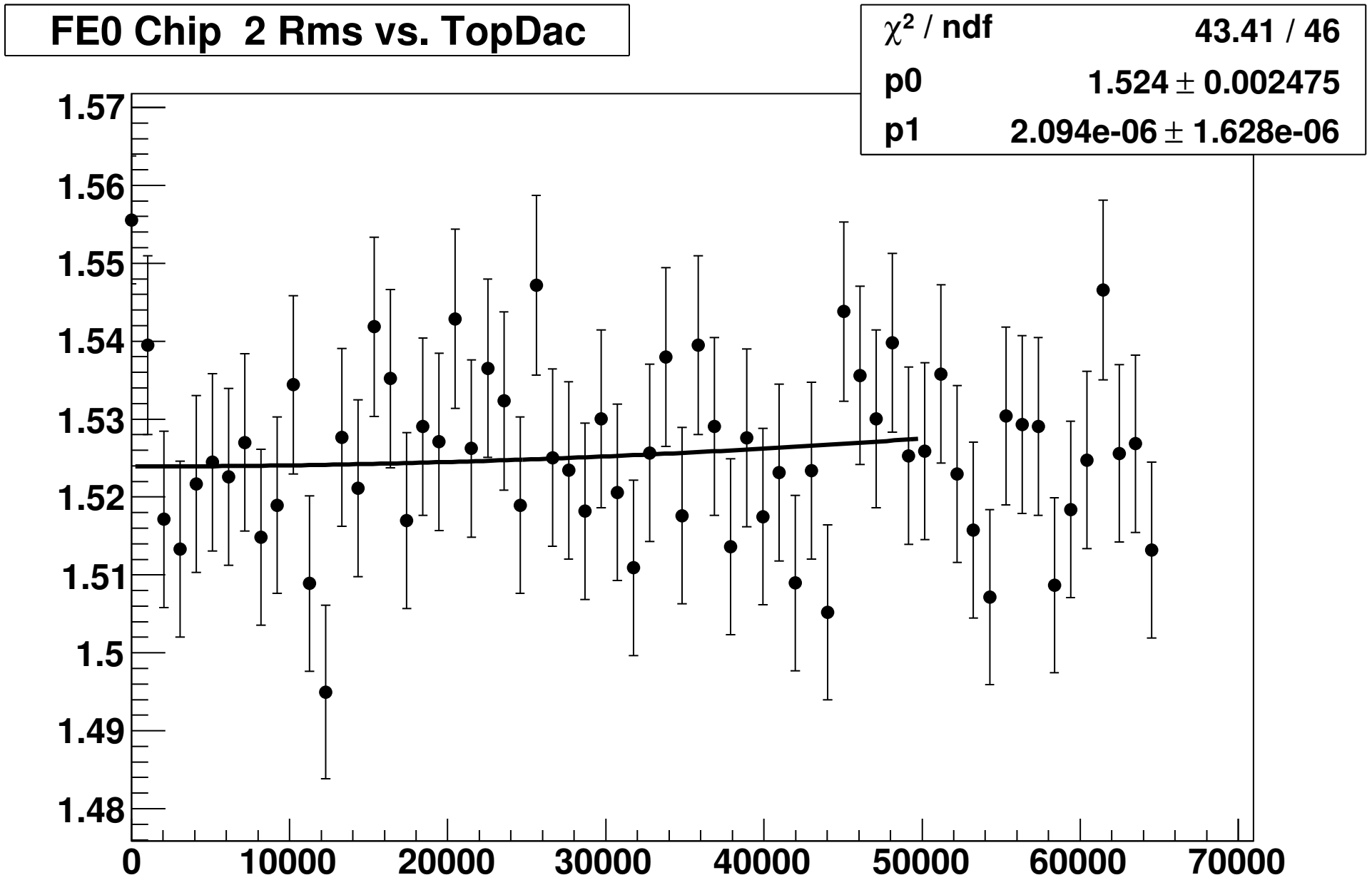
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 906.5 / 46
p0 1.397 ± 0.00266
p1 3.551e-05 ± 1.421e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 532.3 / 46
p0 38.22 ± 0.00471
p1 7.423e-07 ± 1.635e-07
38.6
38.5
38.4
38.3
38.2
38.1
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 43.41 / 46
p0 1.524 ± 0.002475
p1 2.094e-06 ± 1.628e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
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30000
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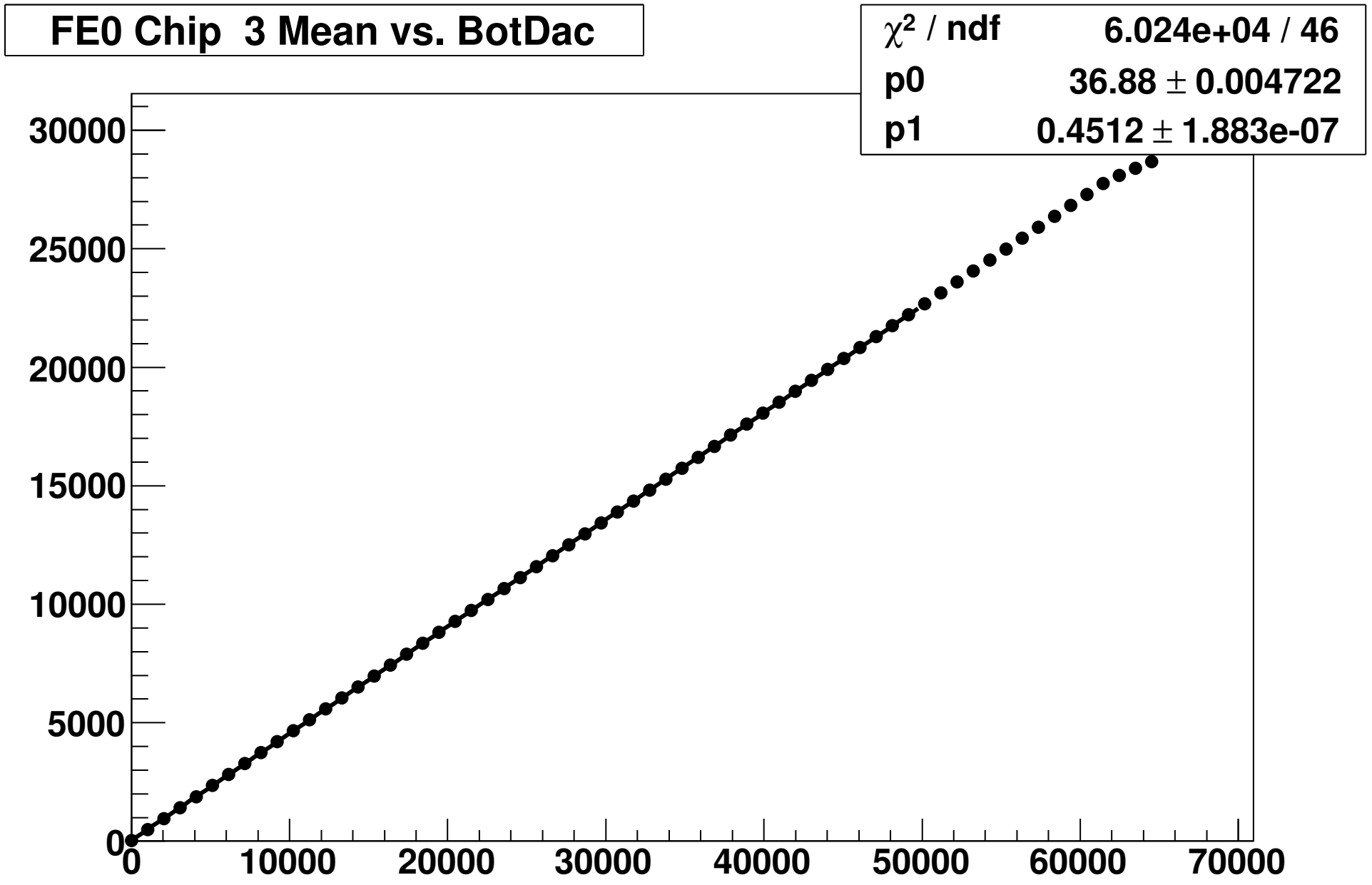
50000
60000
70000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 6.024e+04 / 46
p0 36.88 ± 0.004722
p1 0.4512 ± 1.883e-07
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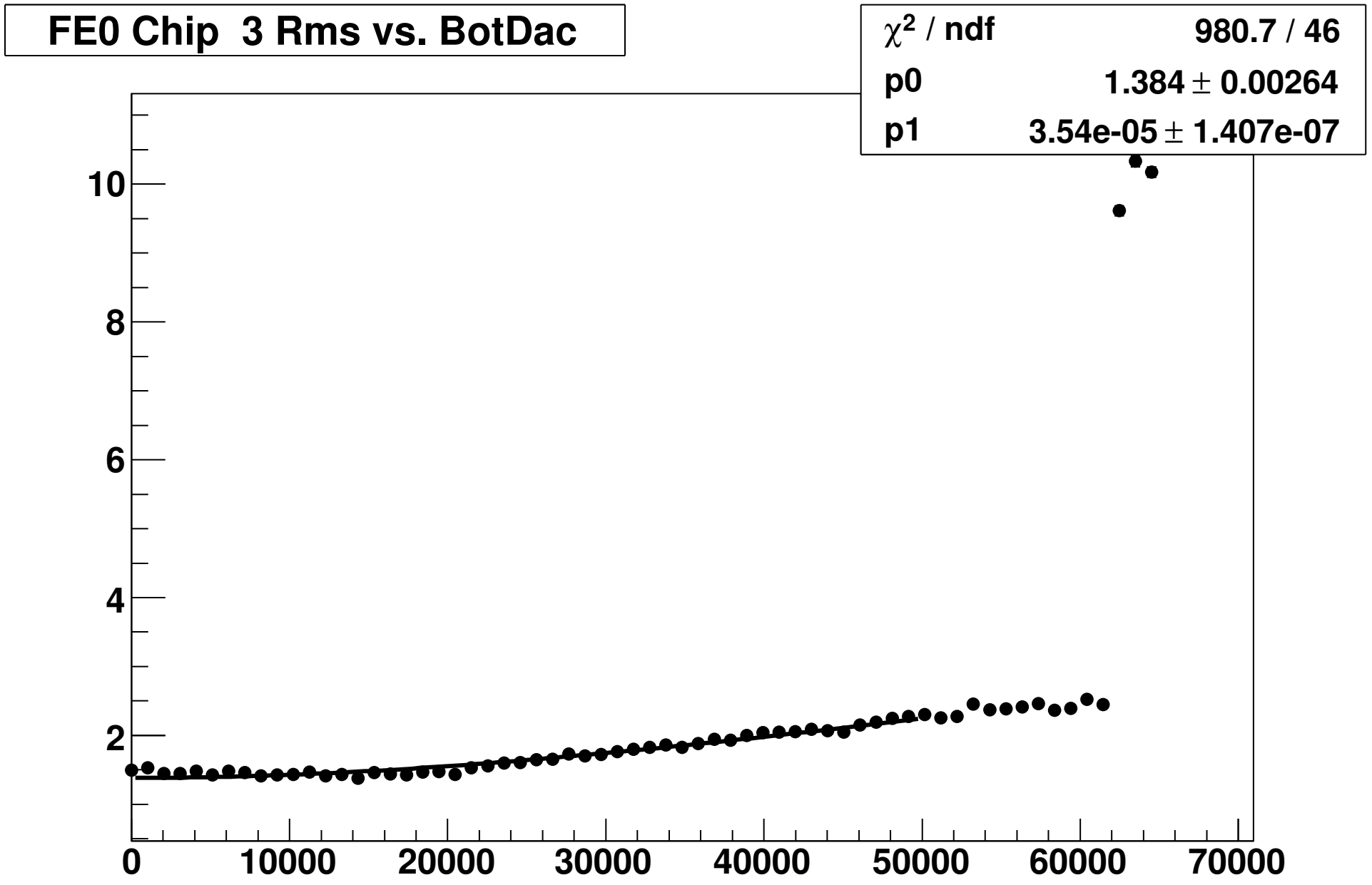
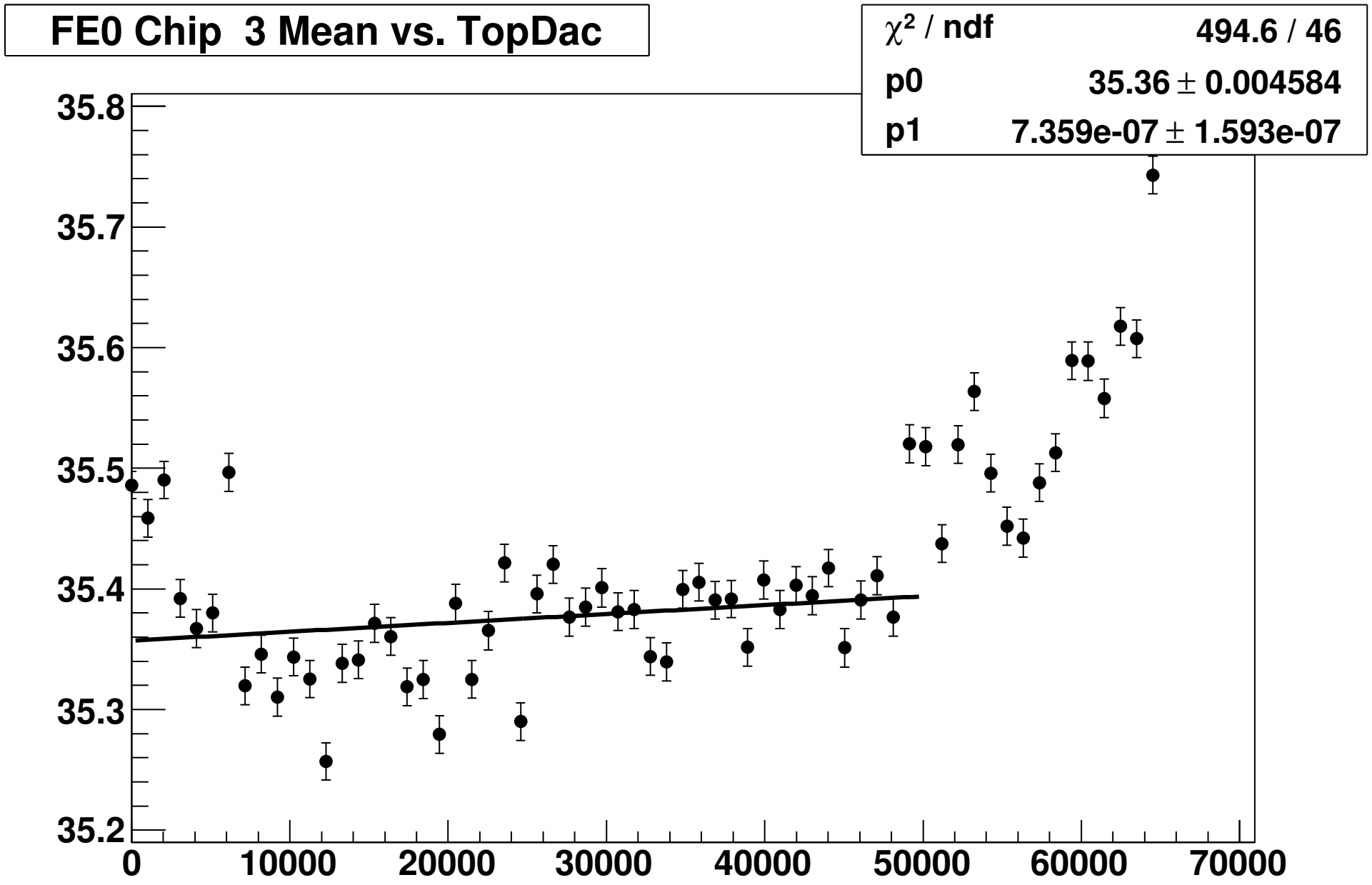
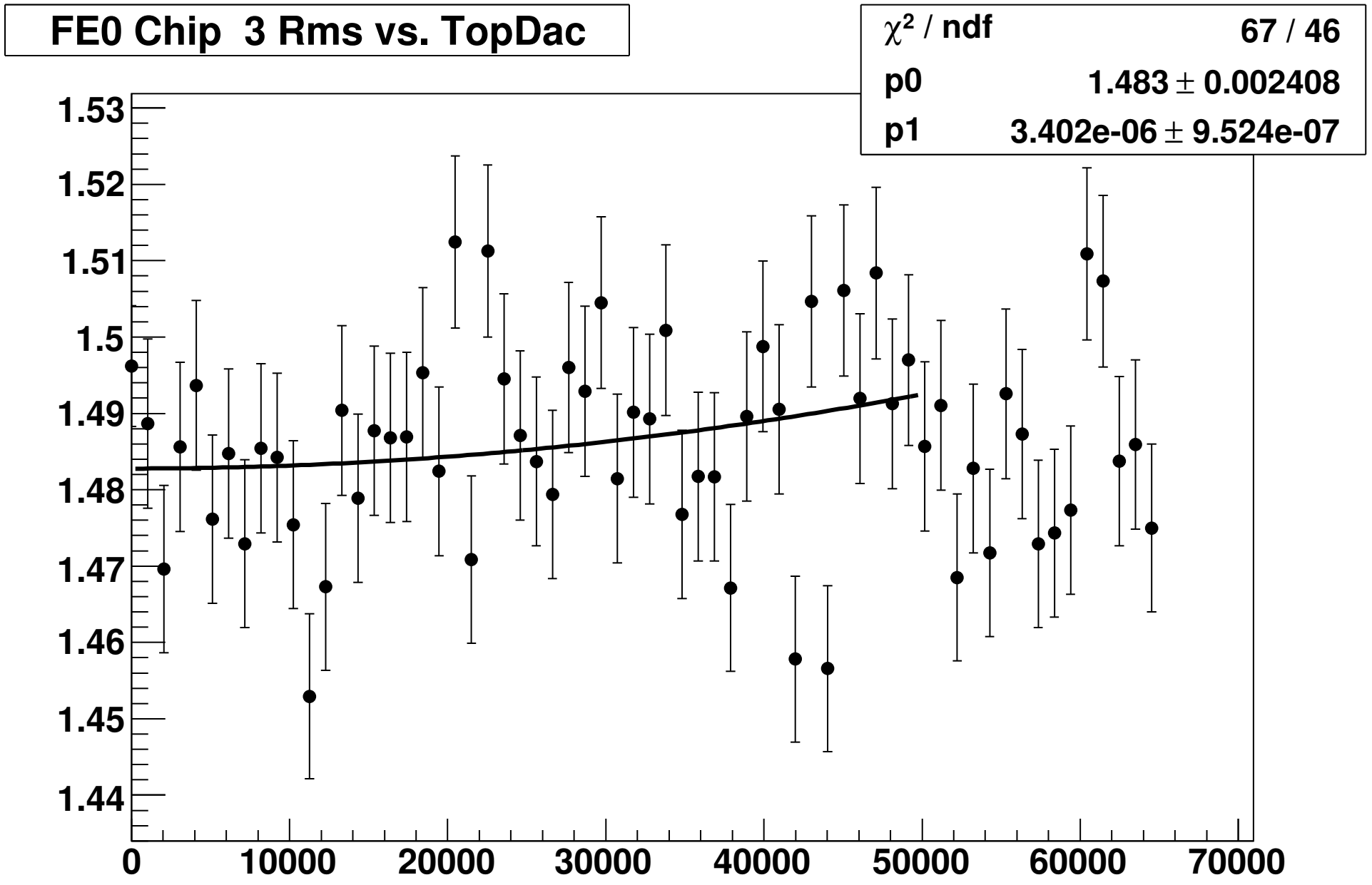
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 980.7 / 46
p0 1.384 ± 0.00264
p1 3.54e-05 ± 1.407e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 494.6 / 46
p0 35.36 ± 0.004584
p1 7.359e-07 ± 1.593e-07
35.8
35.7
35.6
35.5
35.4
35.3
35.2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 67 / 46
p0 1.483 ± 0.002408
p1 3.402e-06 ± 9.524e-07
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
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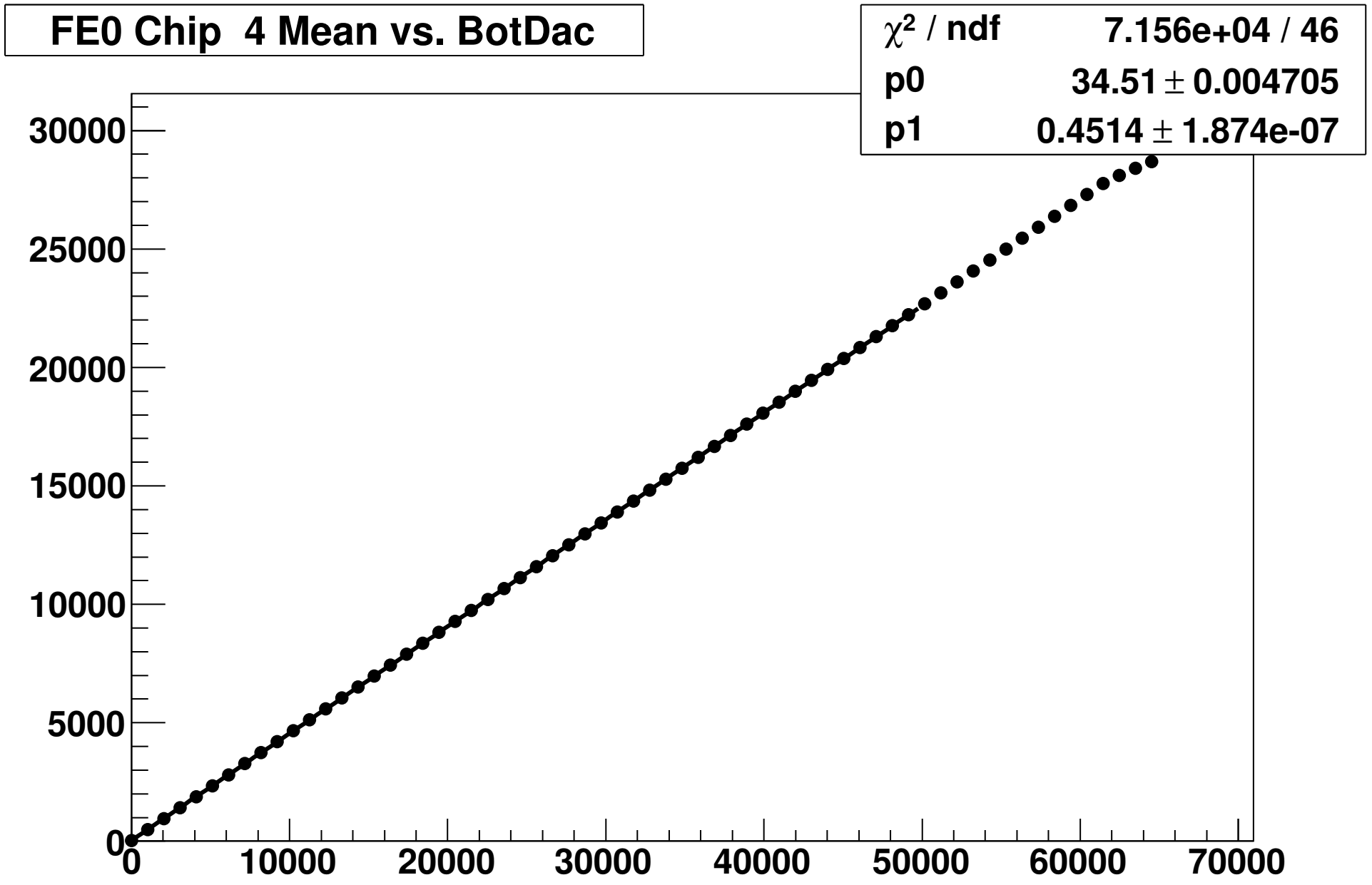
FE0 Chip 4 Mean vs. BotDac
χ² / ndf 7.156e+04 / 46
p0 34.51 ± 0.004705
p1 0.4514 ± 1.874e-07
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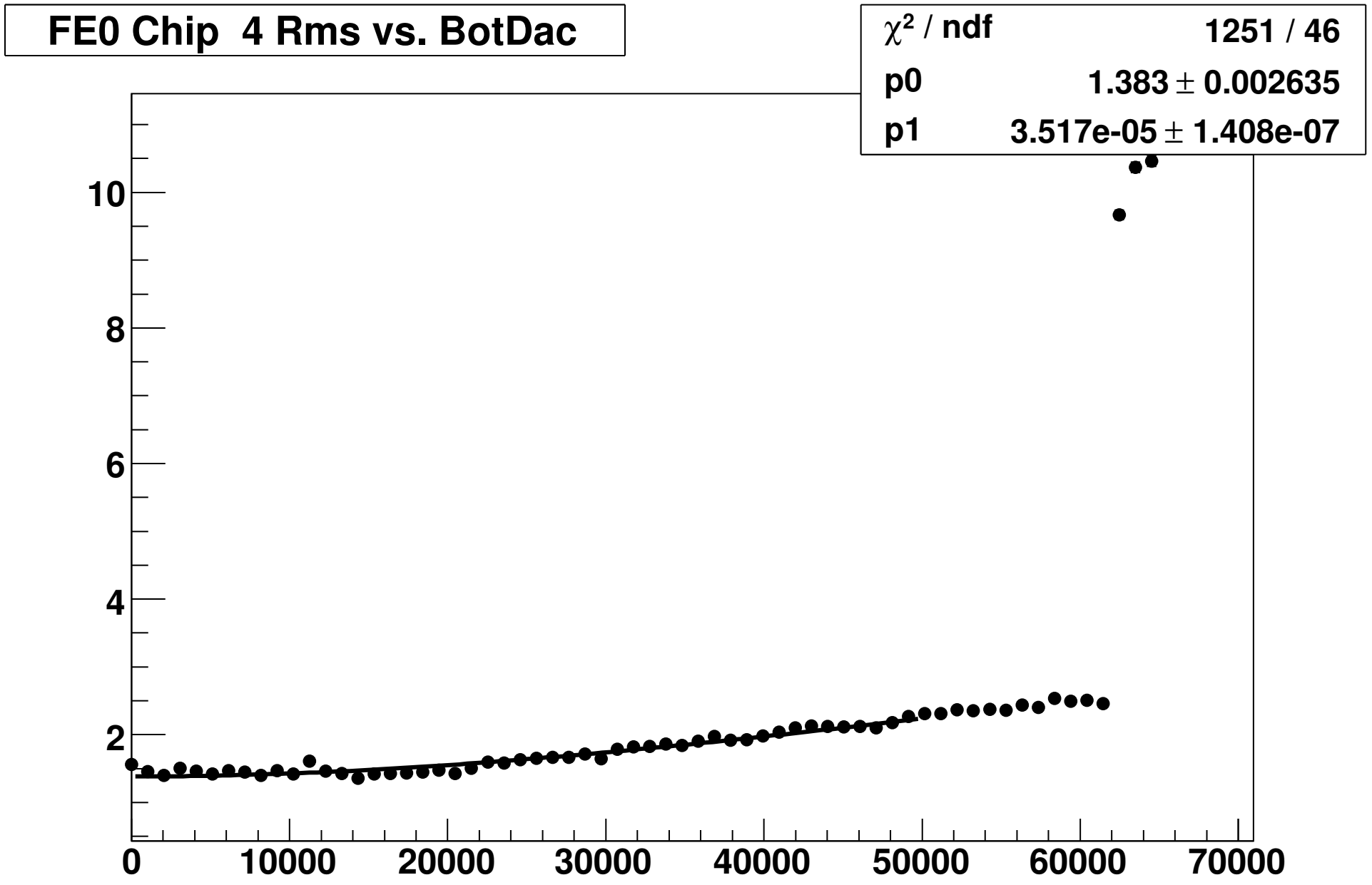
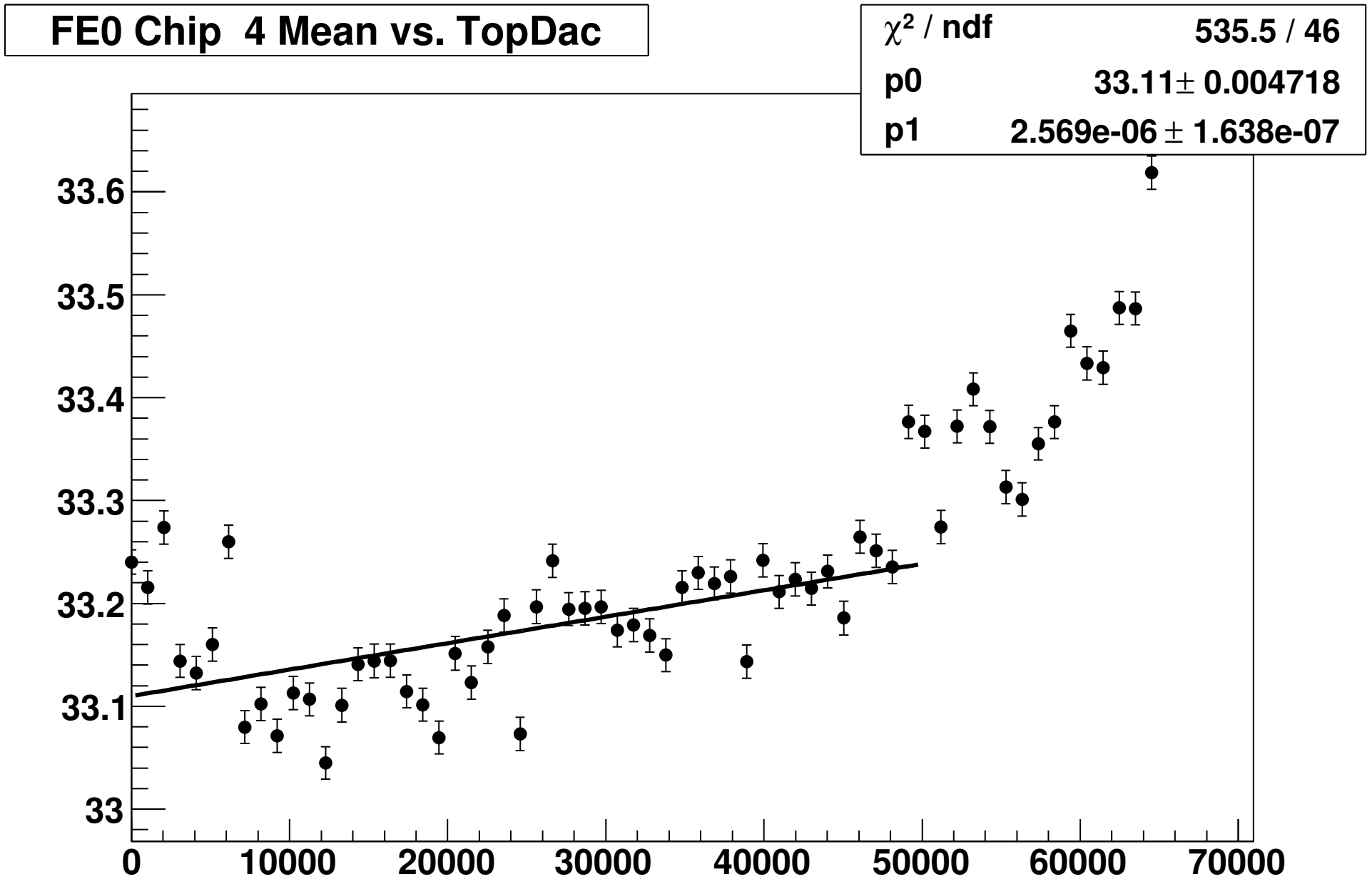
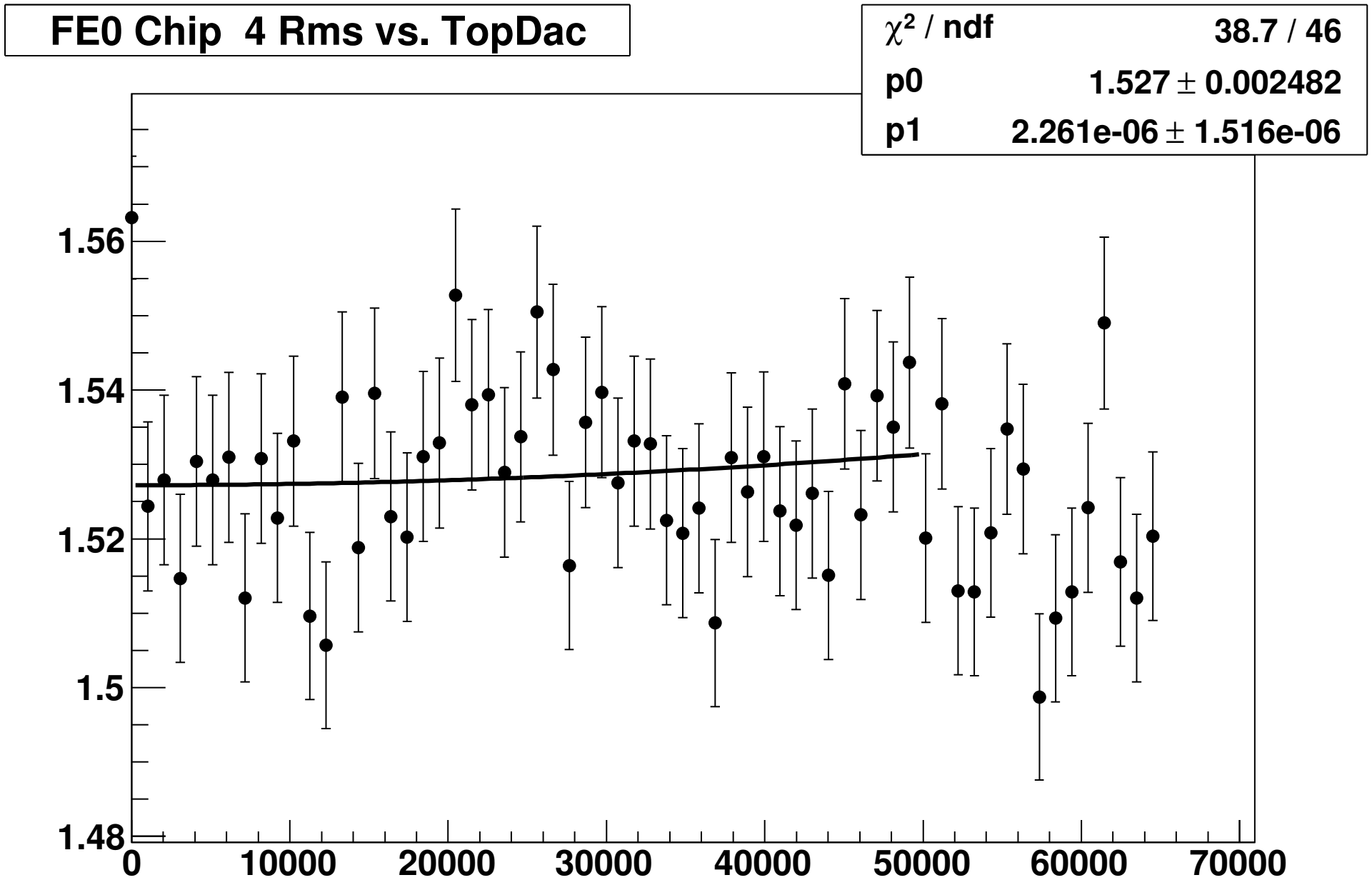
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 1251 / 46
p0 1.383 ± 0.002635
p1 3.517e-05 ± 1.408e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 535.5 / 46
p0 33.11 ± 0.004718
p1 2.569e-06 ± 1.638e-07
33.6
33.5
33.4
33.3
33.2
33.1
33
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 38.7 / 46
p0 1.527 ± 0.002482
p1 2.261e-06 ± 1.516e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
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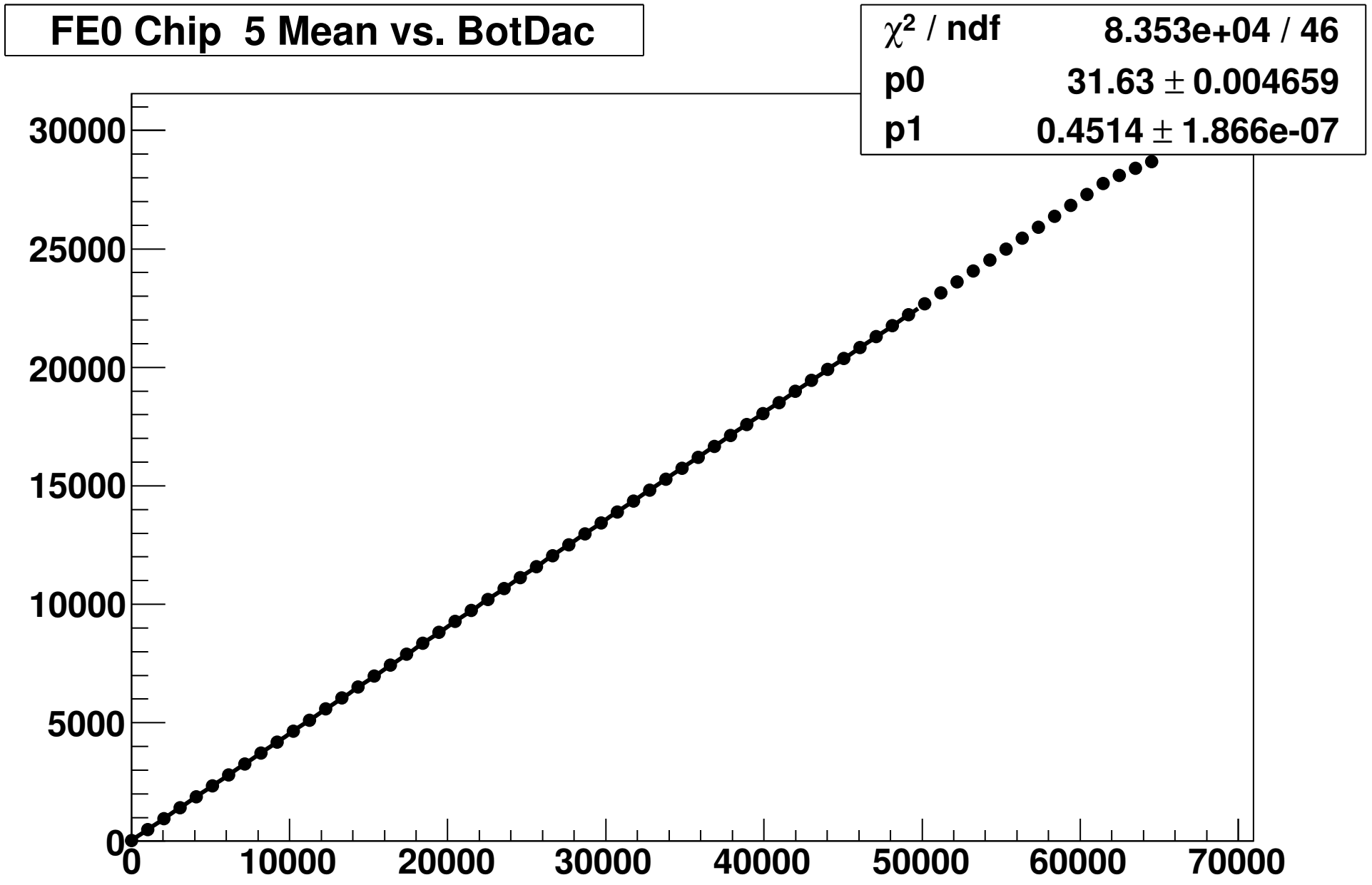
FE0 Chip 5 Mean vs. BotDac
χ² / ndf 8.353e+04 / 46
p0 31.63 ± 0.004659
p1 0.4514 ± 1.866e-07
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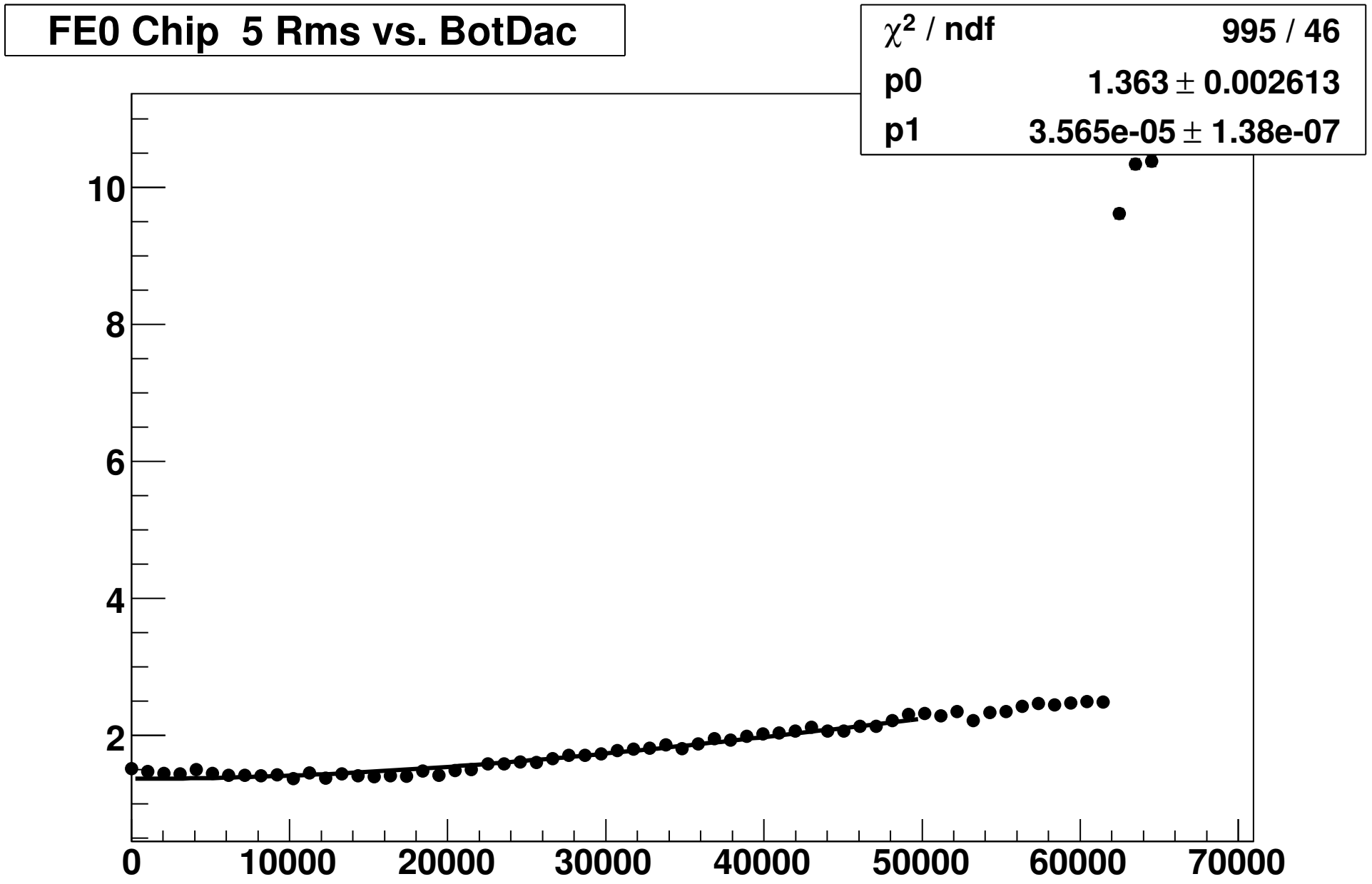
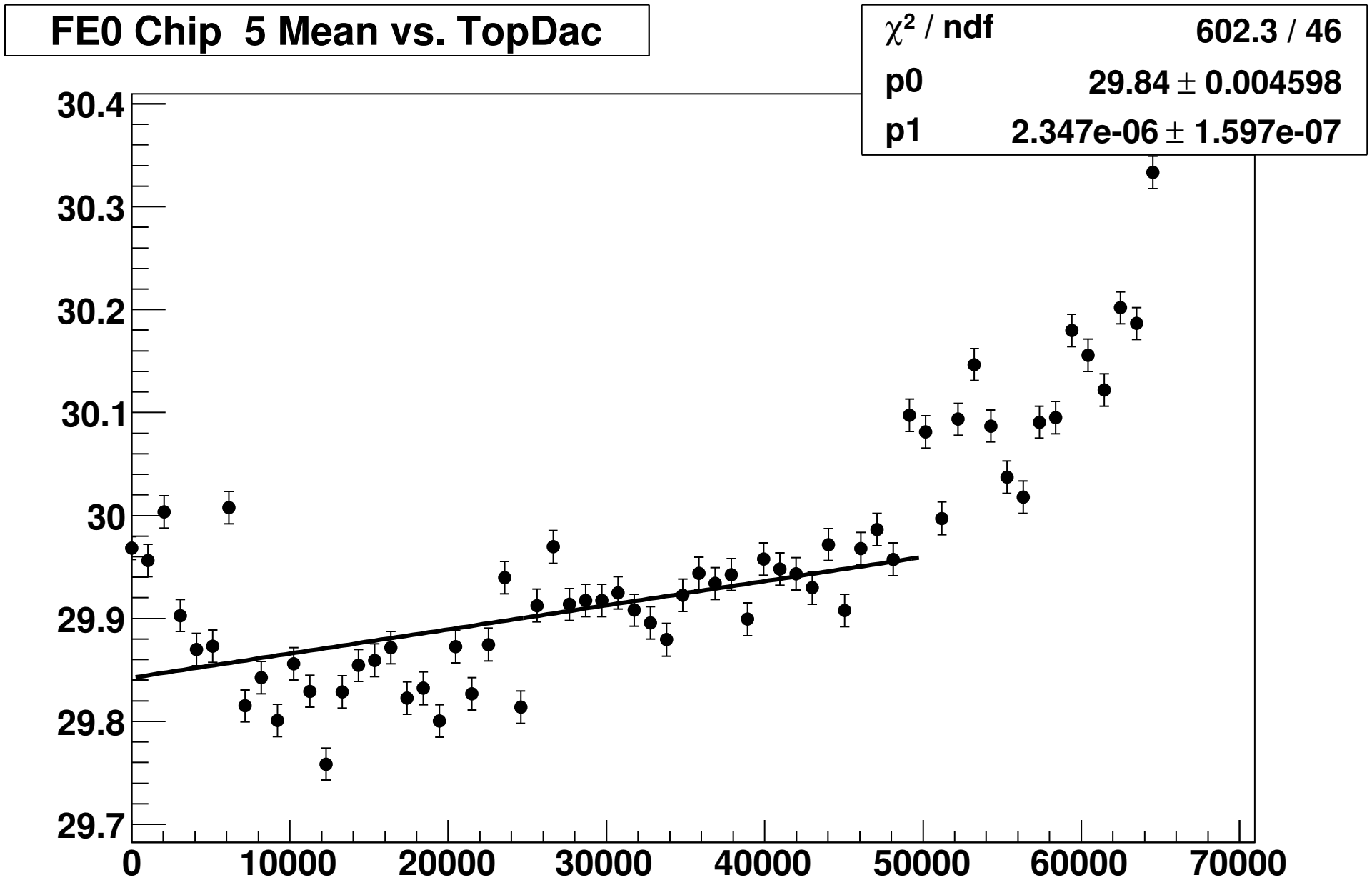
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Rms vs. BotDac
χ² / ndf 995 / 46
p0 1.363 ± 0.002613
p1 3.565e-05 ± 1.38e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 5 Mean vs. TopDac
χ² / ndf 602.3 / 46
p0 29.84 ± 0.004598
p1 2.347e-06 ± 1.597e-07
30.4
30.3
30.2
30.1
30
29.9
29.8
29.7
0
10000
20000
30000
40000
50000
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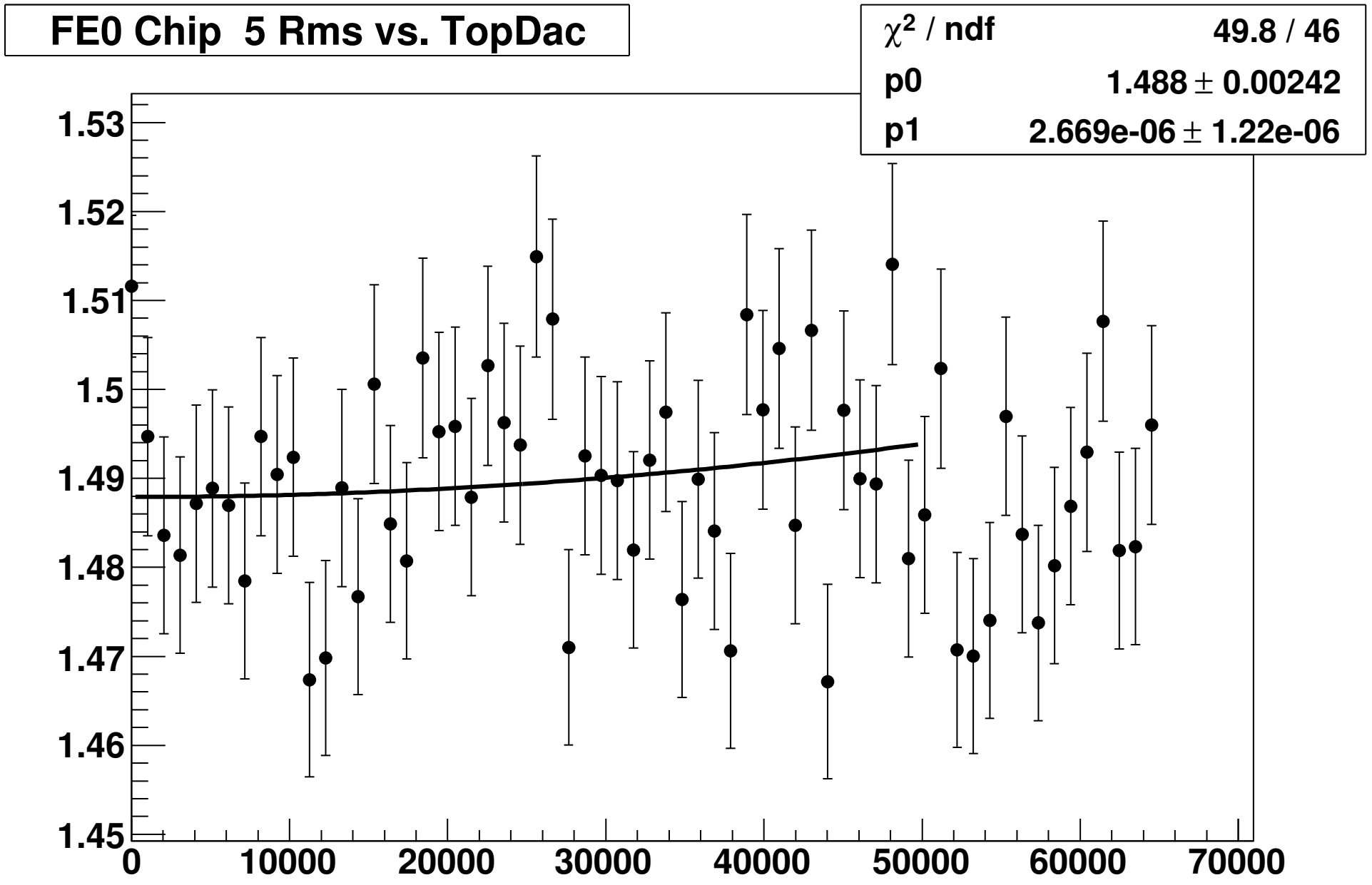
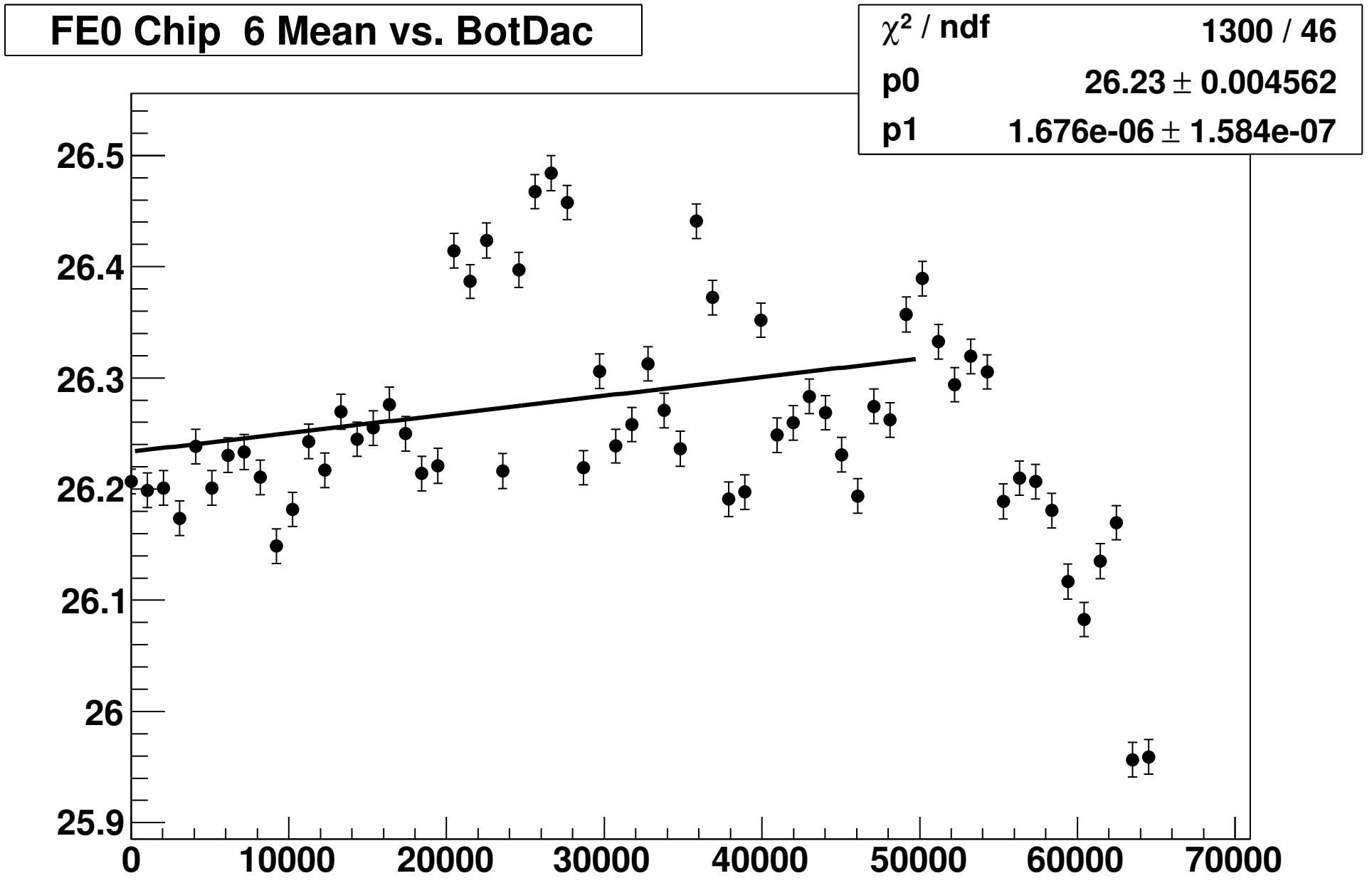
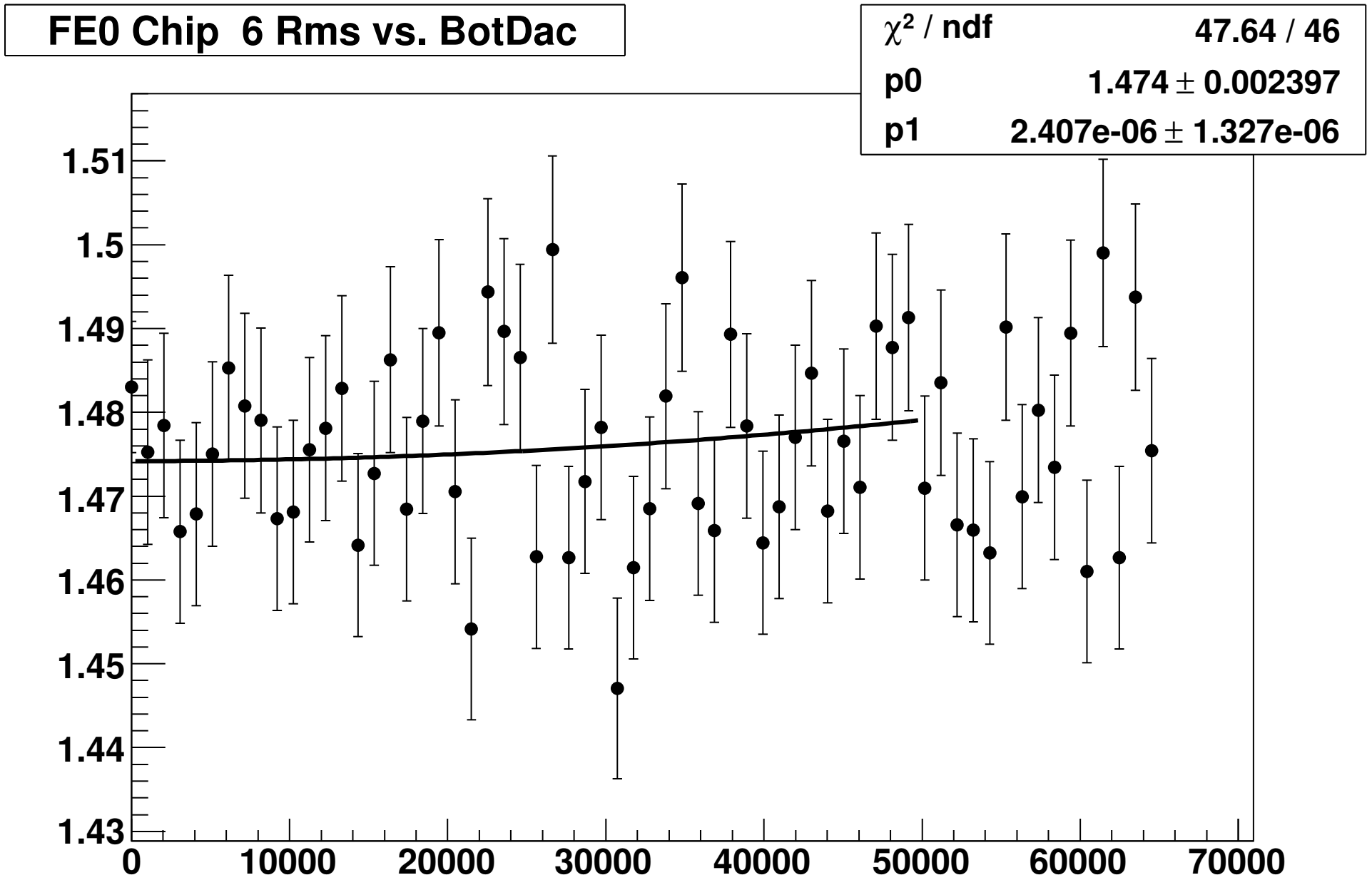
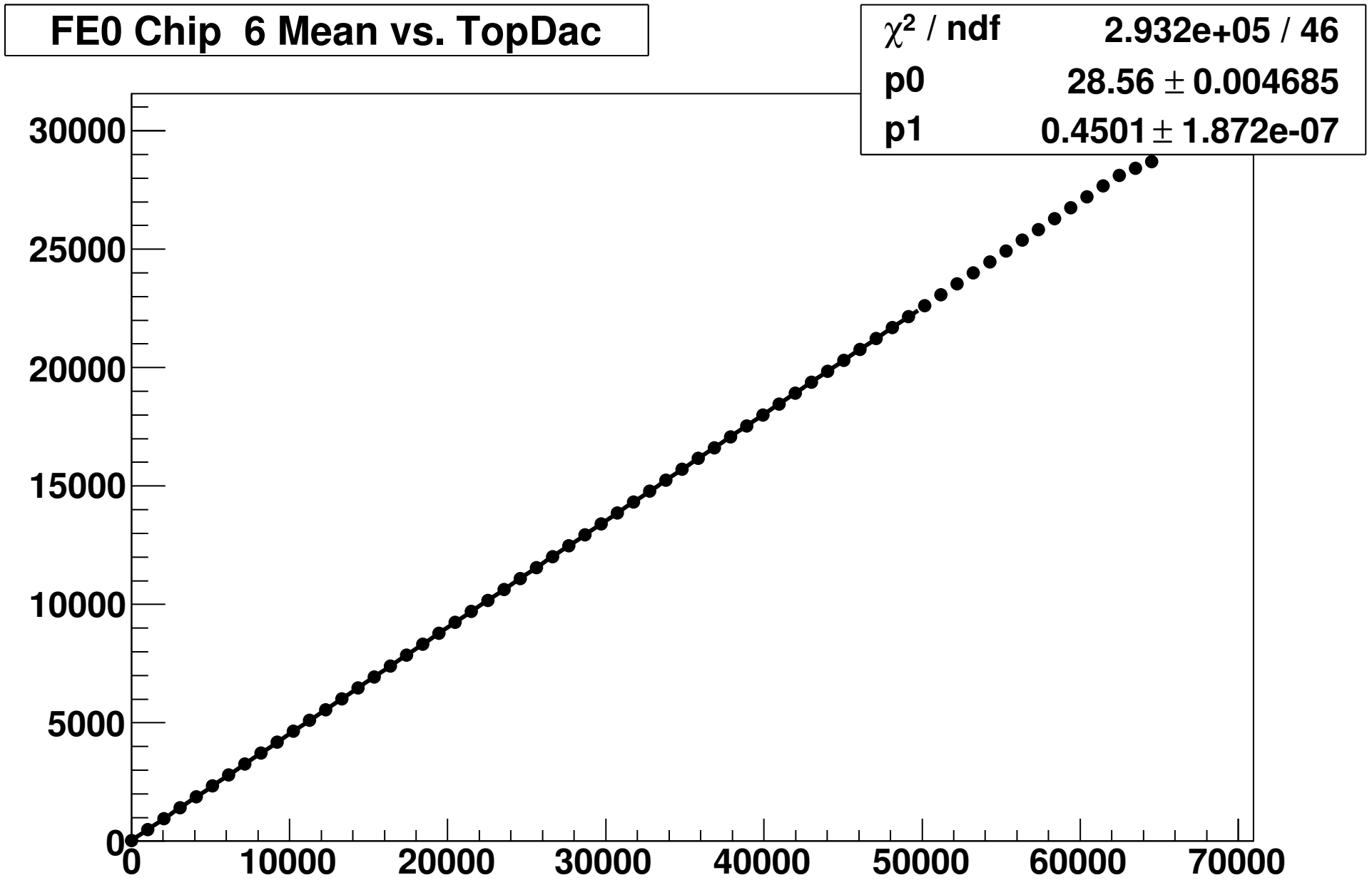
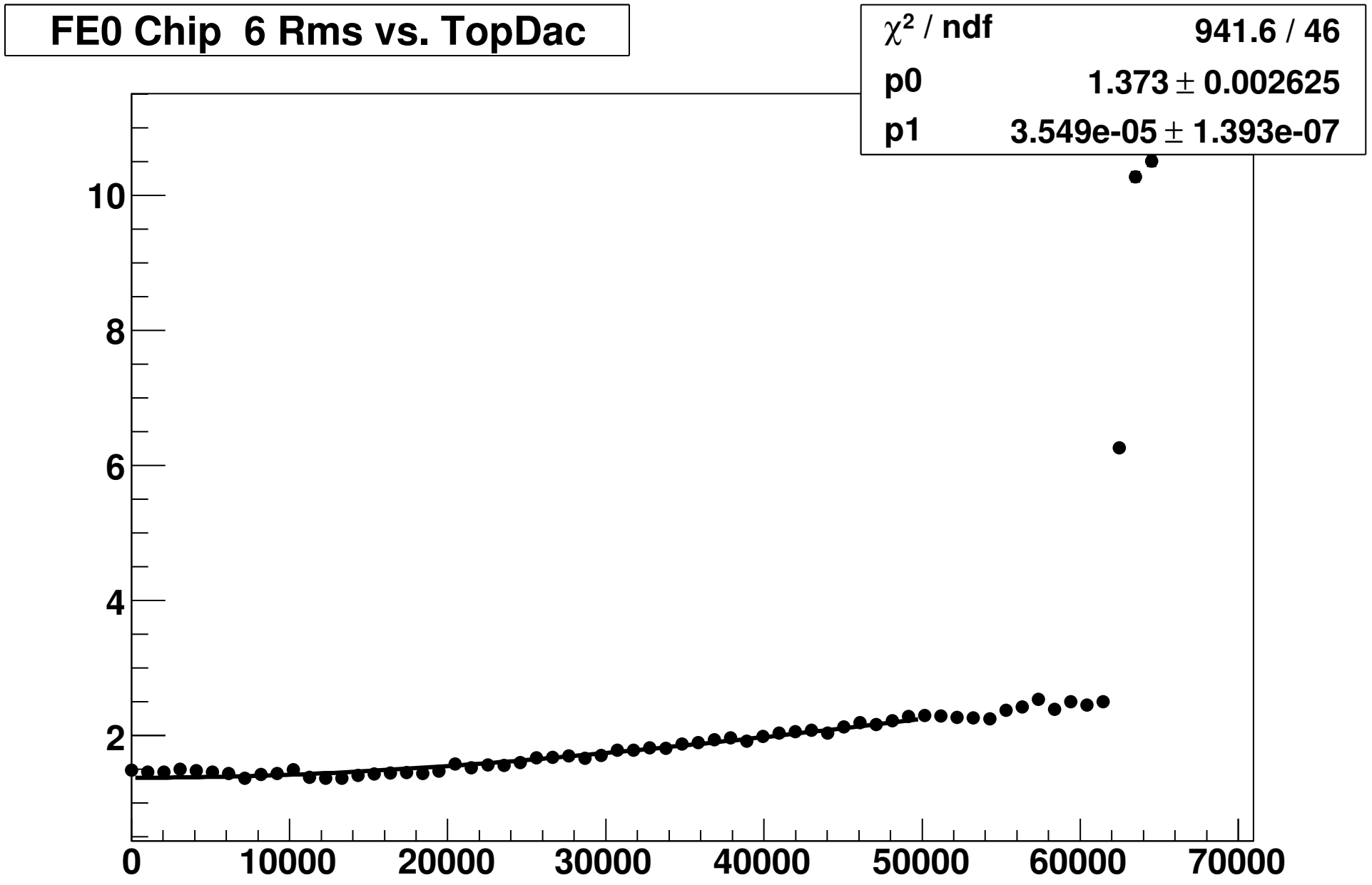
70000

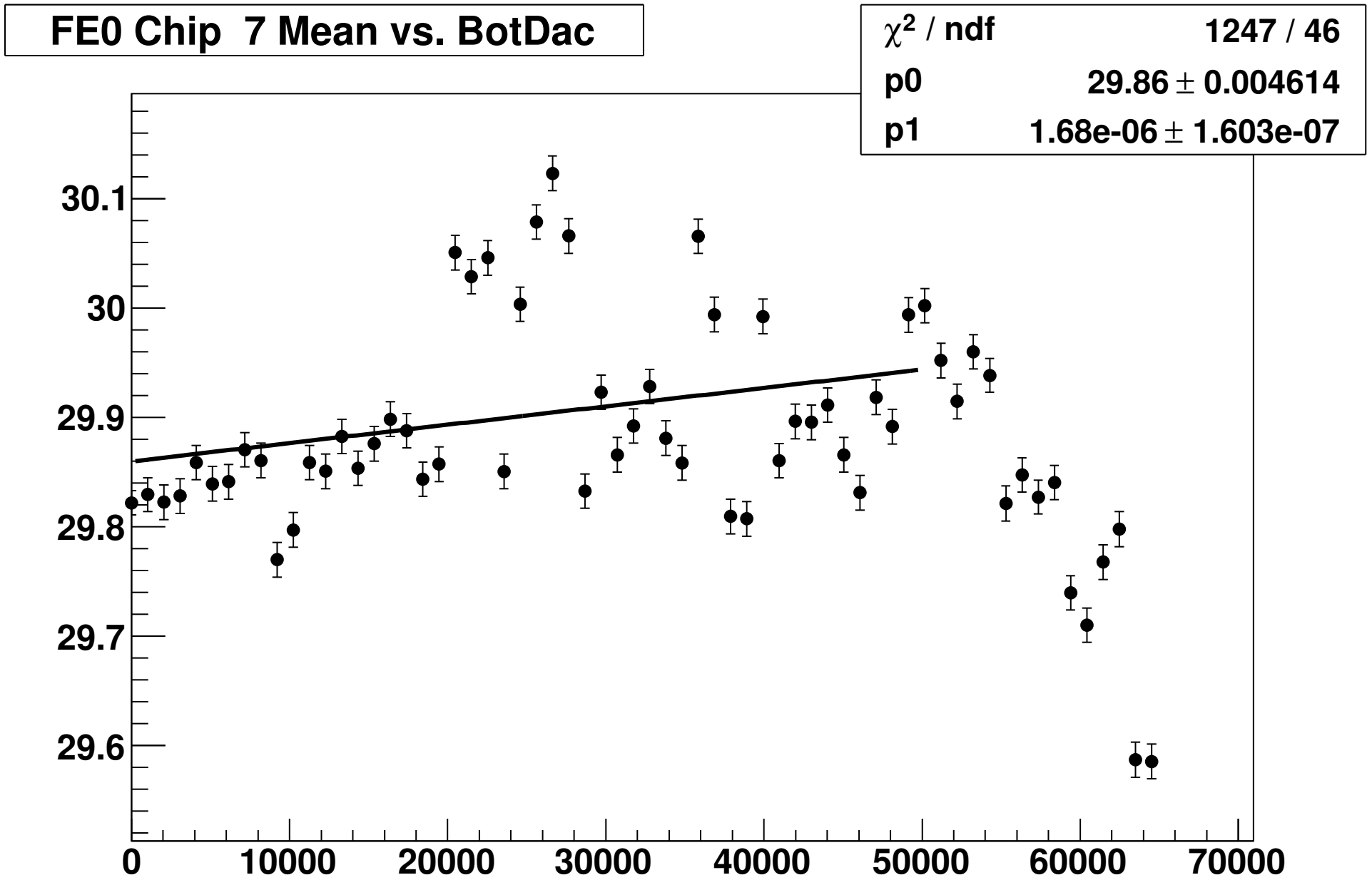

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 49.8 / 46
p0 1.488 ± 0.00242
p1 2.669e-06 ± 1.22e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

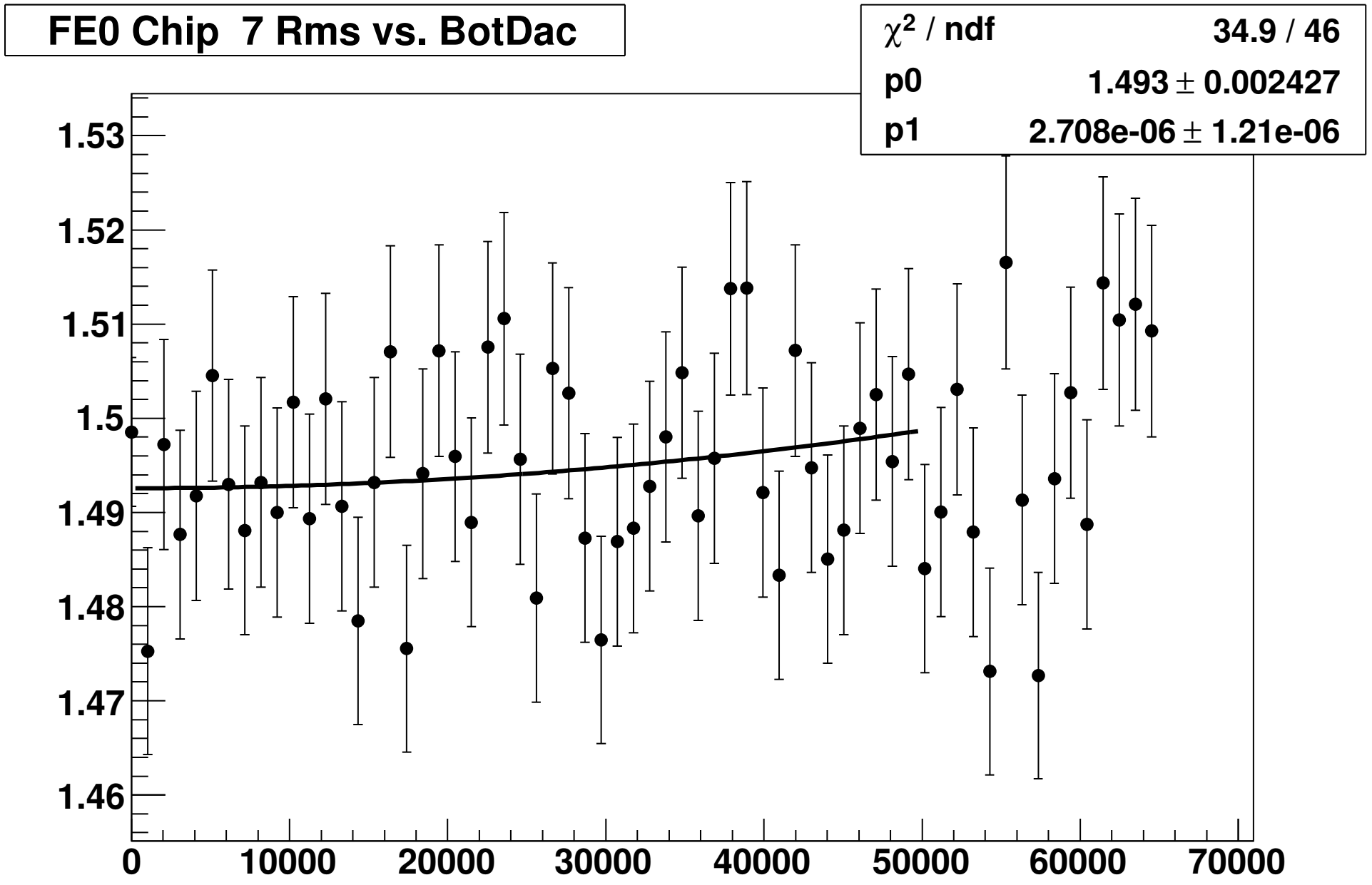

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 1300 / 46
p0 26.23 ± 0.004562
p1 1.676e-06 ± 1.584e-07
26.5
26.4
26.3
26.2
26.1
26
25.9
0
10000
20000
30000
40000
50000
60000
70000

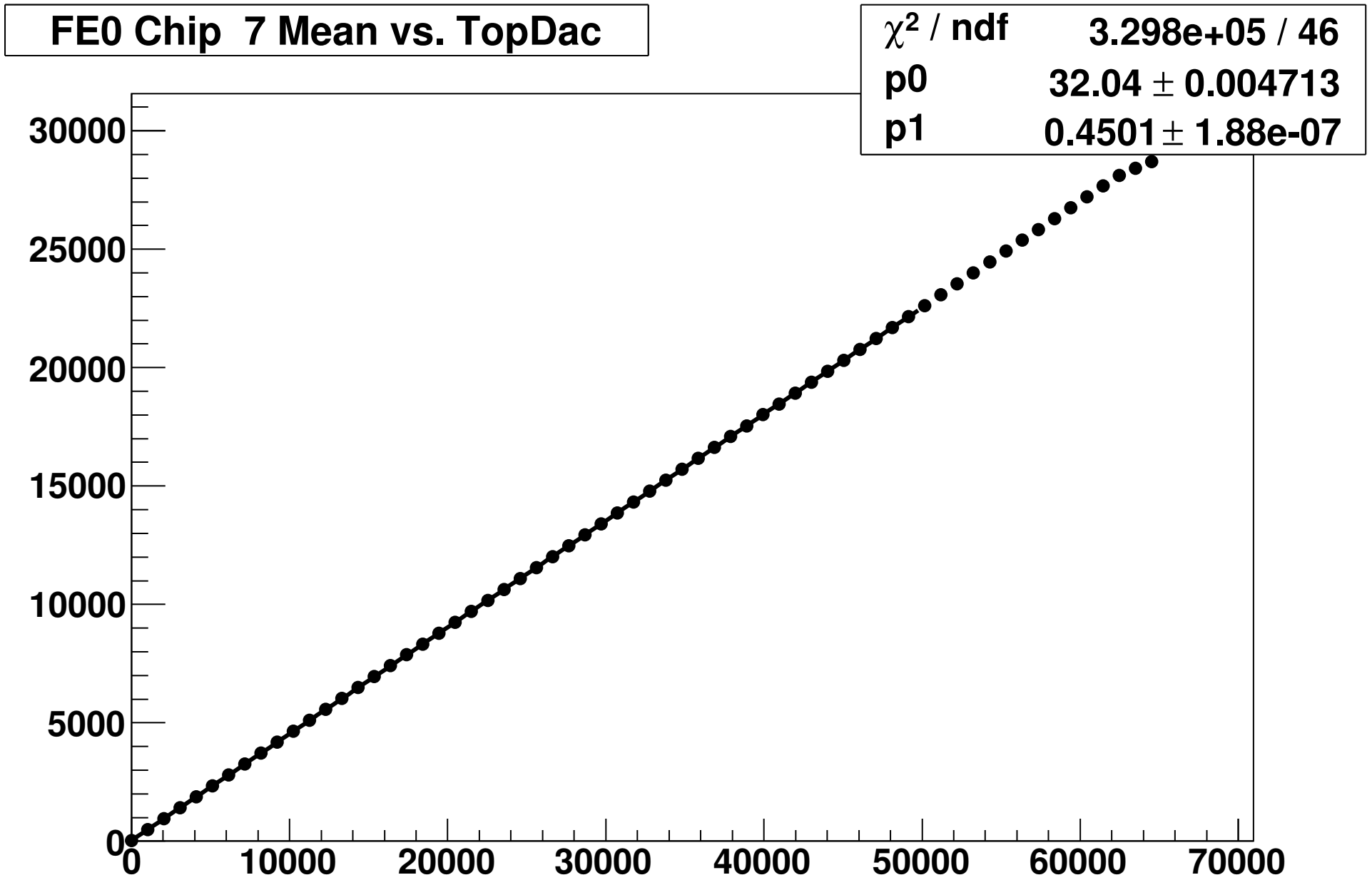

FE0 Chip 6 Rms vs. BotDac
χ² / ndf 47.64 / 46
p0 1.474 ± 0.002397
p1 2.407e-06 ± 1.327e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000

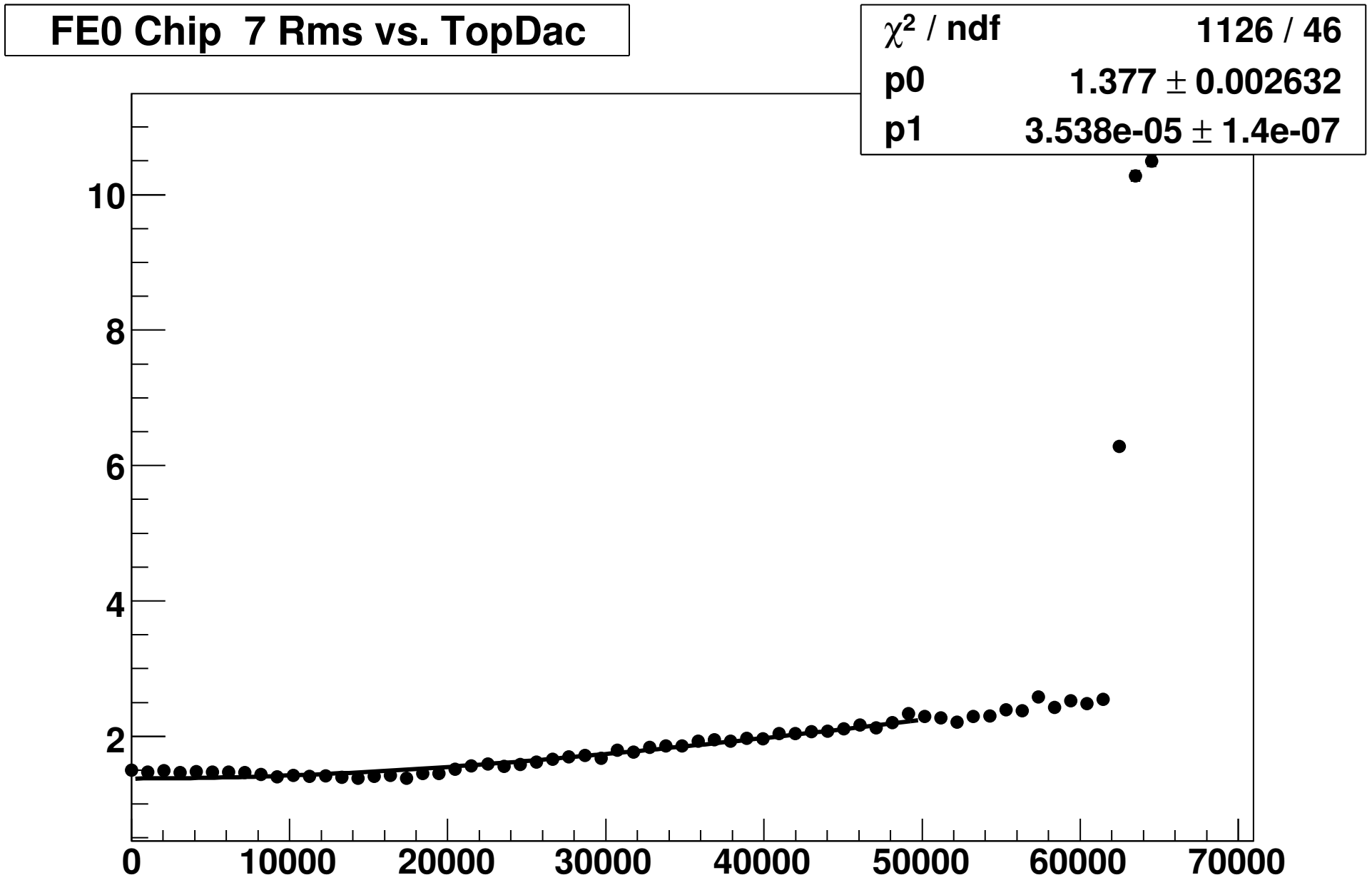

FE0 Chip 6 Mean vs. TopDac
χ² / ndf 2.932e+05 / 46
p0 28.56 ± 0.004685
p1 0.4501 ± 1.872e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

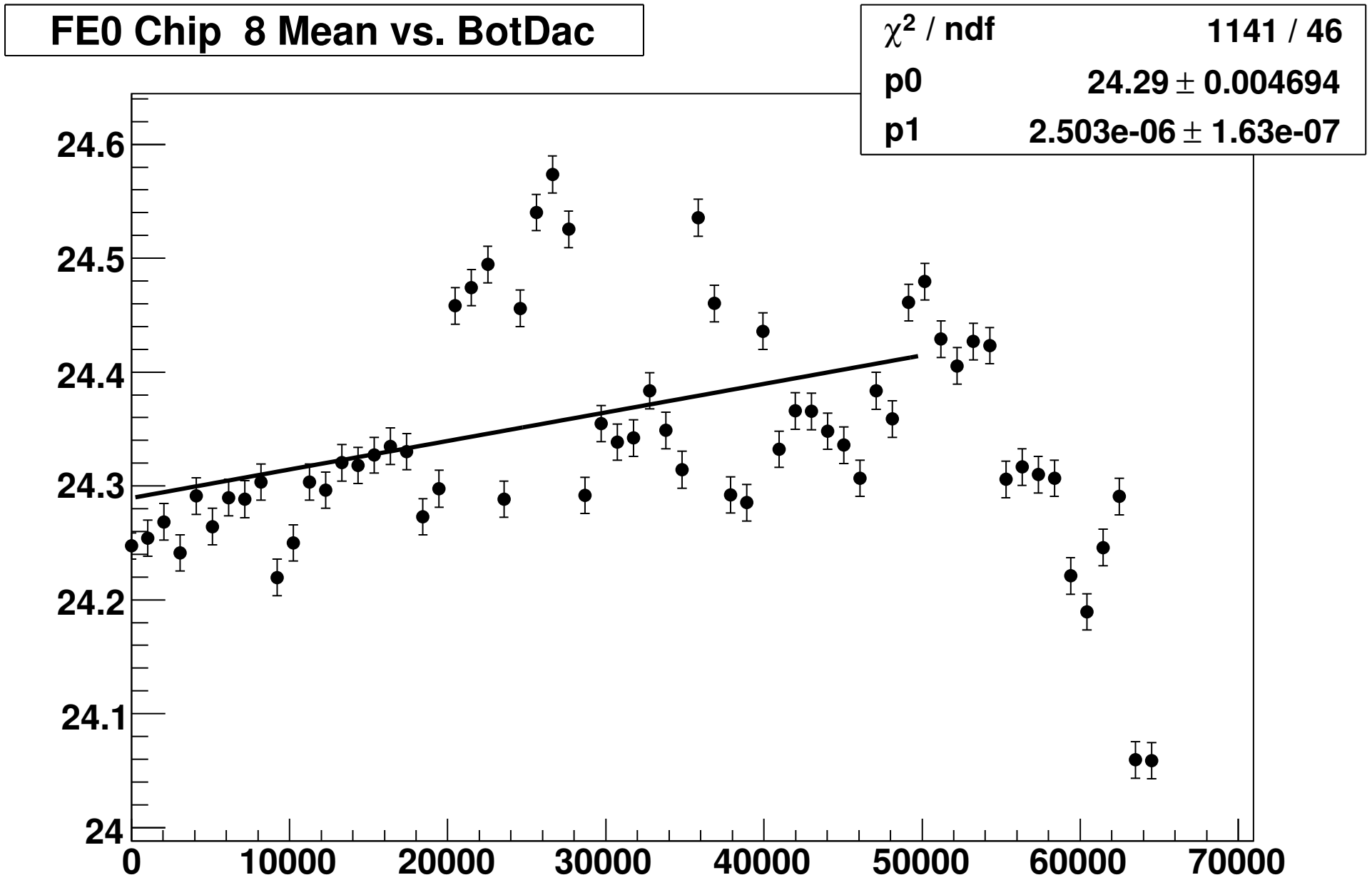

FE0 Chip 6 Rms vs. TopDac
χ² / ndf 941.6 / 46
p0 1.373 ± 0.002625
p1 3.549e-05 ± 1.393e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

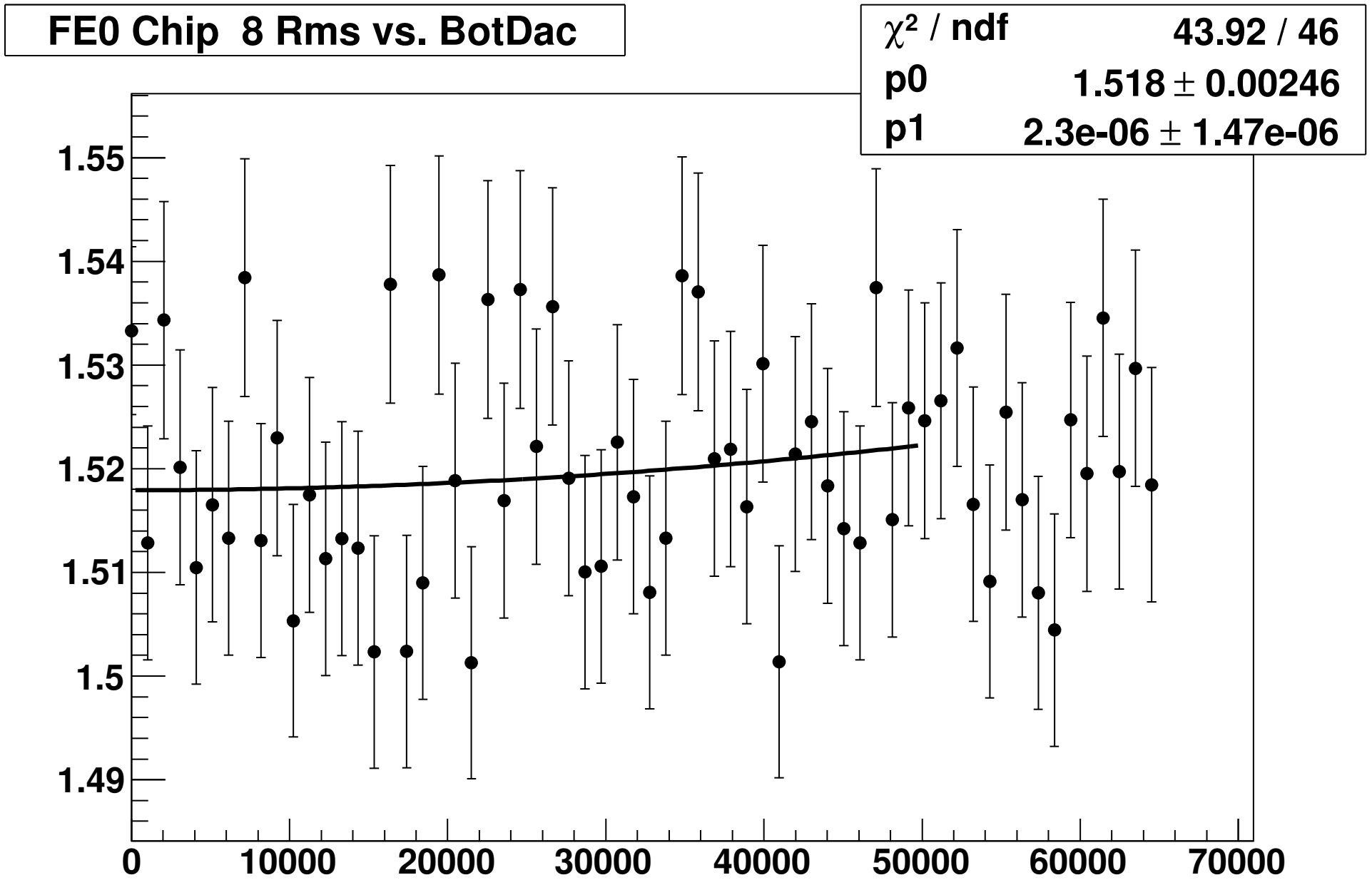

FE0 Chip 7 Mean vs. BotDac
χ² / ndf 1247 / 46
p0 29.86 ± 0.004614
p1 1.68e-06 ± 1.603e-07
30.1
30
29.9
29.8
29.7
29.6
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 34.9 / 46
p0 1.493 ± 0.002427
p1 2.708e-06 ± 1.21e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 3.298e+05 / 46
p0 32.04 ± 0.004713
p1 0.4501 ± 1.88e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 1126 / 46
p0 1.377 ± 0.002632
p1 3.538e-05 ± 1.4e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 1141 / 46
p0 24.29 ± 0.004694
p1 2.503e-06 ± 1.63e-07
24.6
24.5
24.4
24.3
24.2
24.1
24
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 43.92 / 46
p0 1.518 ± 0.00246
p1 2.3e-06 ± 1.47e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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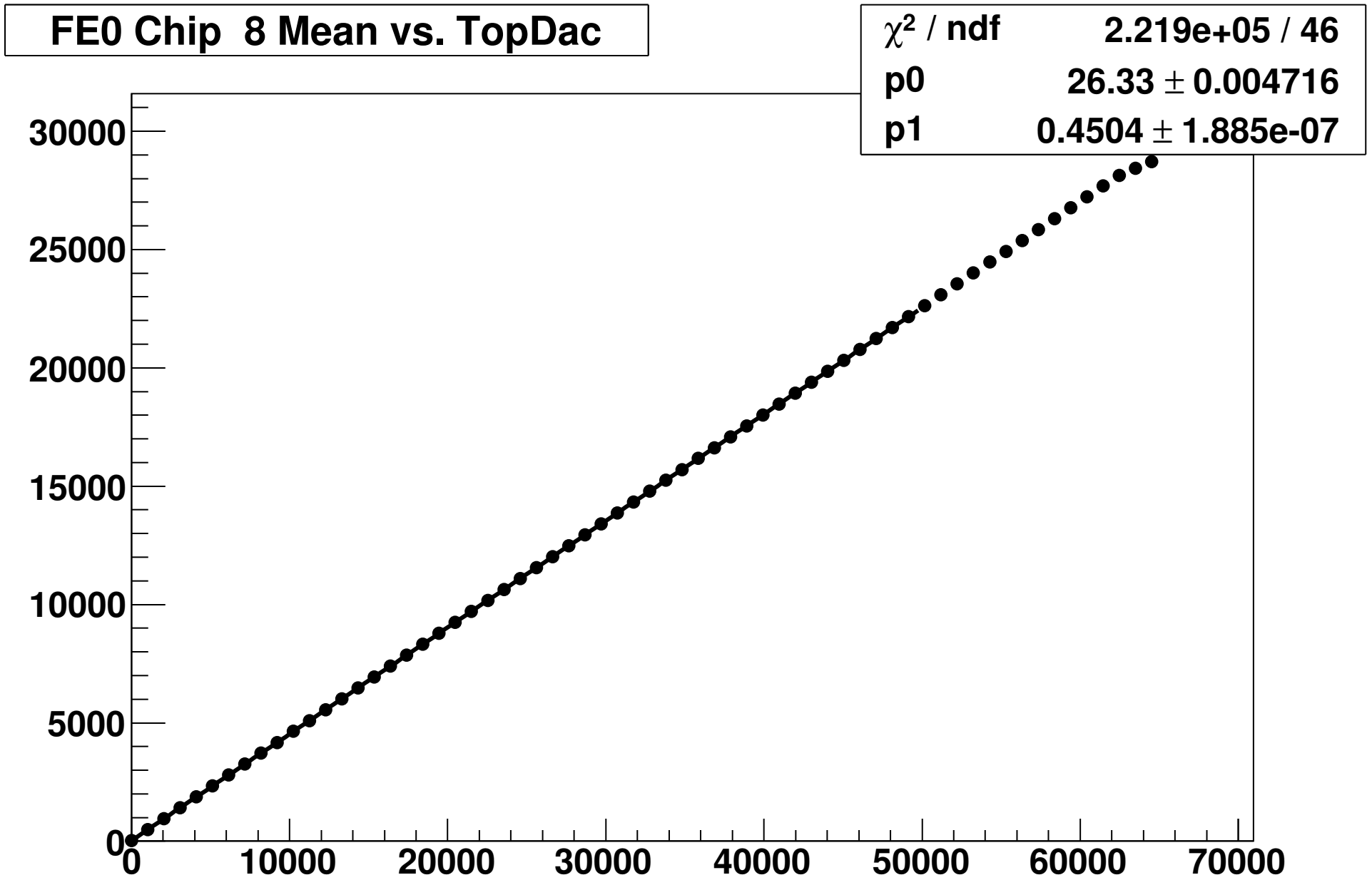
FE0 Chip 8 Mean vs. TopDac
χ² / ndf 2.219e+05 / 46
p0 26.33 ± 0.004716
p1 0.4504 ± 1.885e-07
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15000
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5000
0
0
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20000
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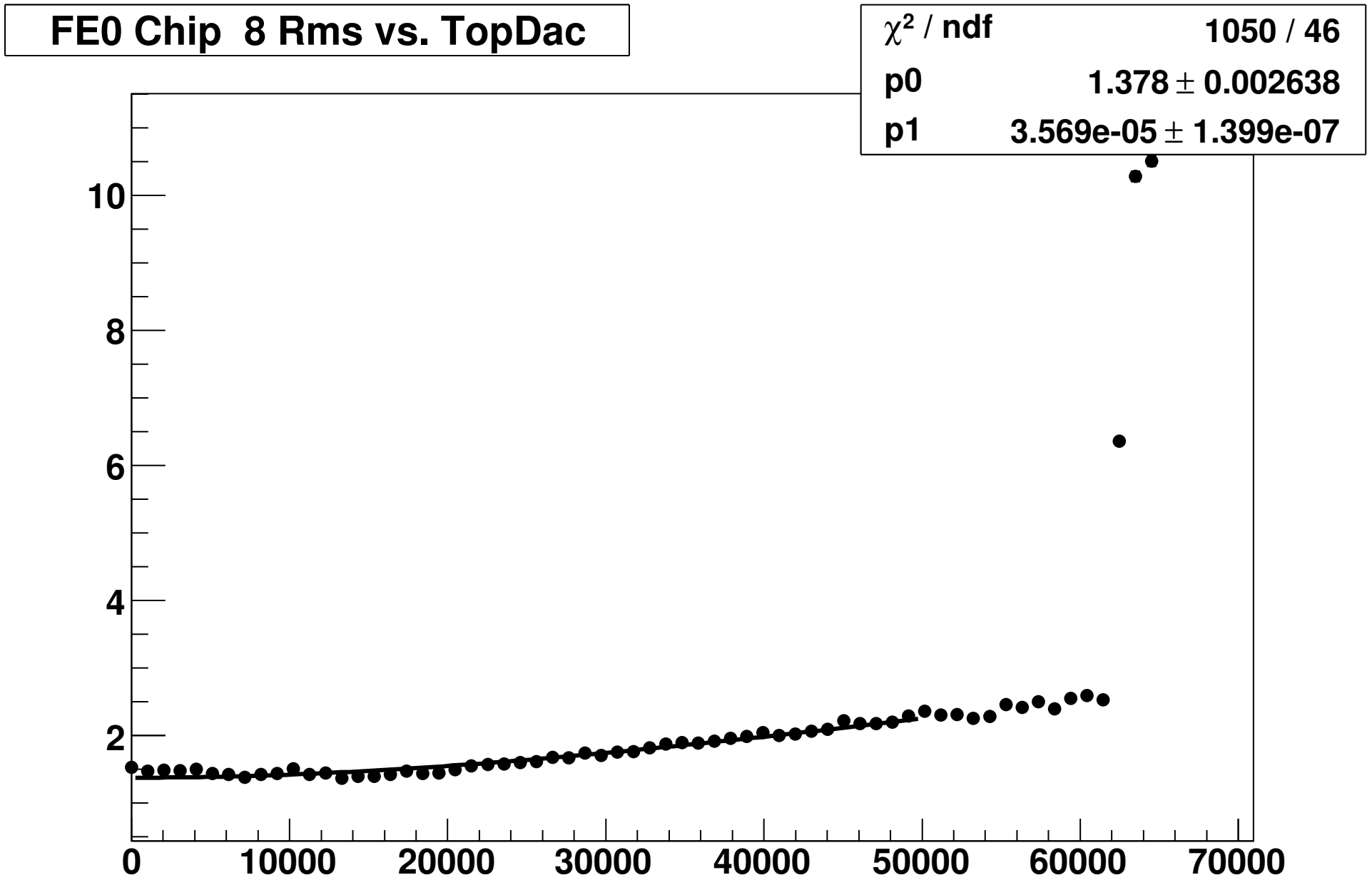
FE0 Chip 8 Rms vs. TopDac
χ² / ndf 1050 / 46
p0 1.378 ± 0.002638
p1 3.569e-05 ± 1.399e-07
10
8
6
4
2
0
10000
20000
30000
40000
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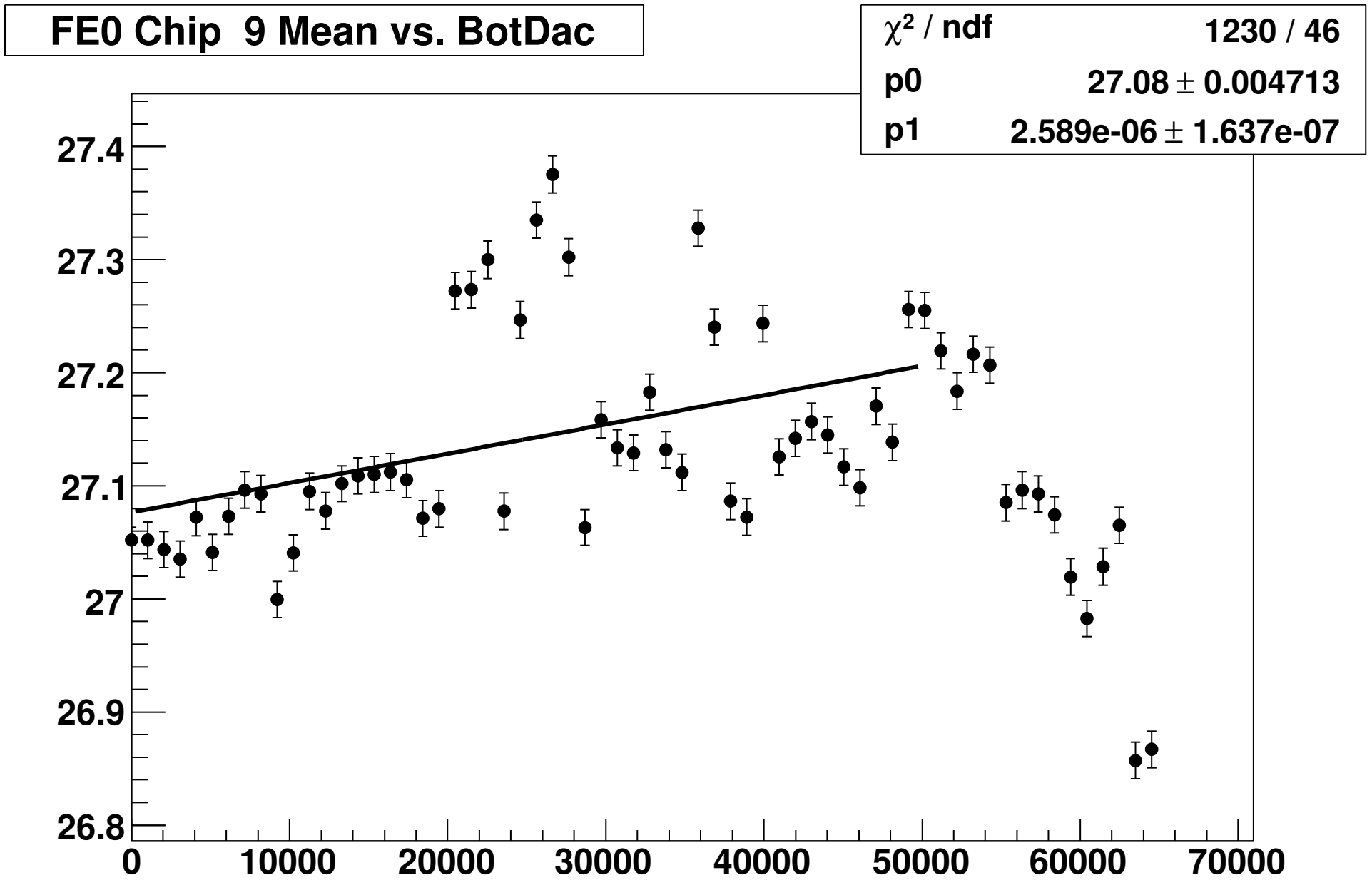
60000
70000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 1230 / 46
p0 27.08 ± 0.004713
p1 2.589e-06 ± 1.637e-07
27.4
27.3
27.2
27.1
27
26.9
26.8
0
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30000
40000
50000
60000
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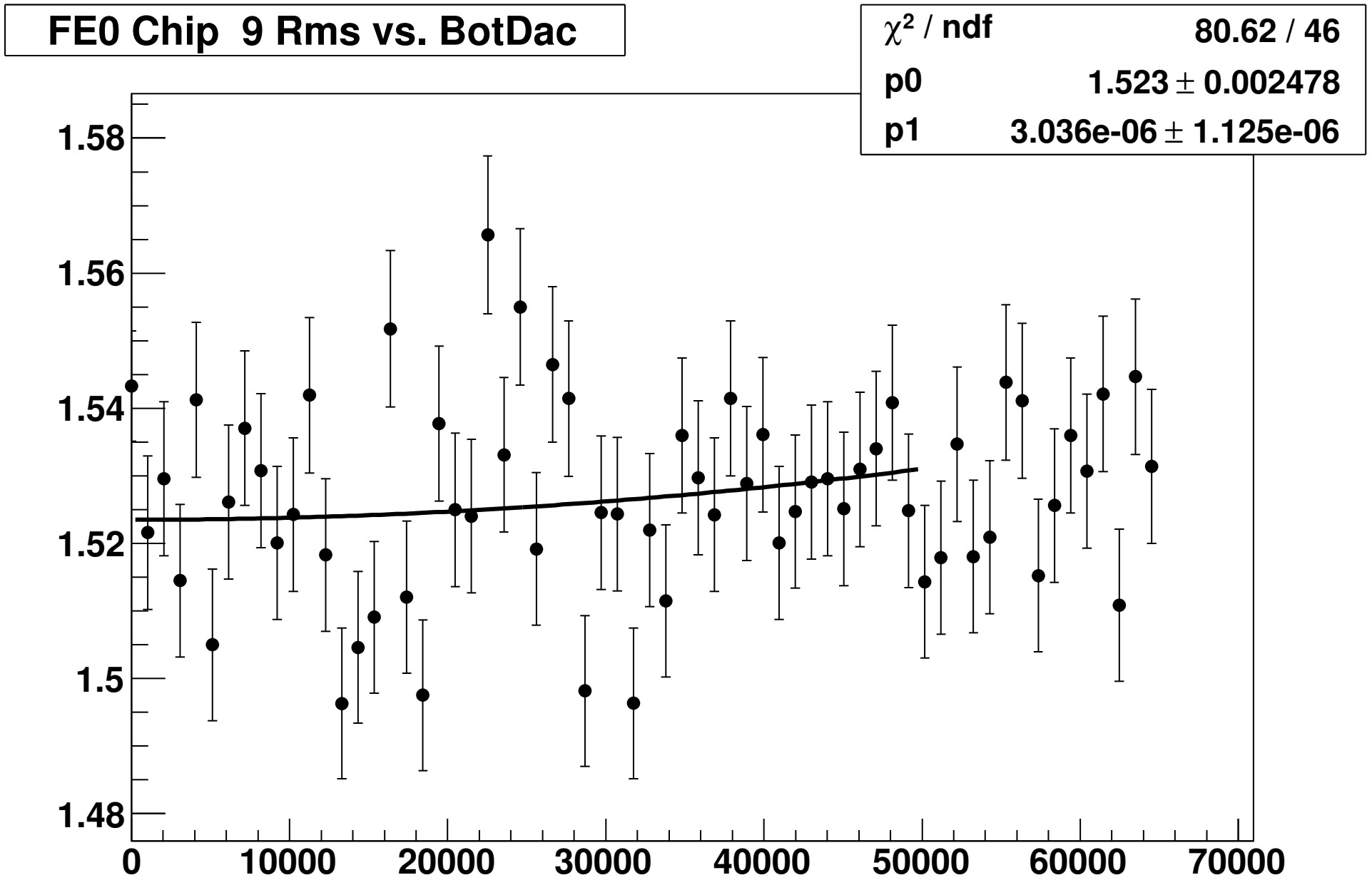
FE0 Chip 9 Rms vs. BotDac
χ² / ndf 80.62 / 46
p0 1.523 ± 0.002478
p1 3.036e-06 ± 1.125e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
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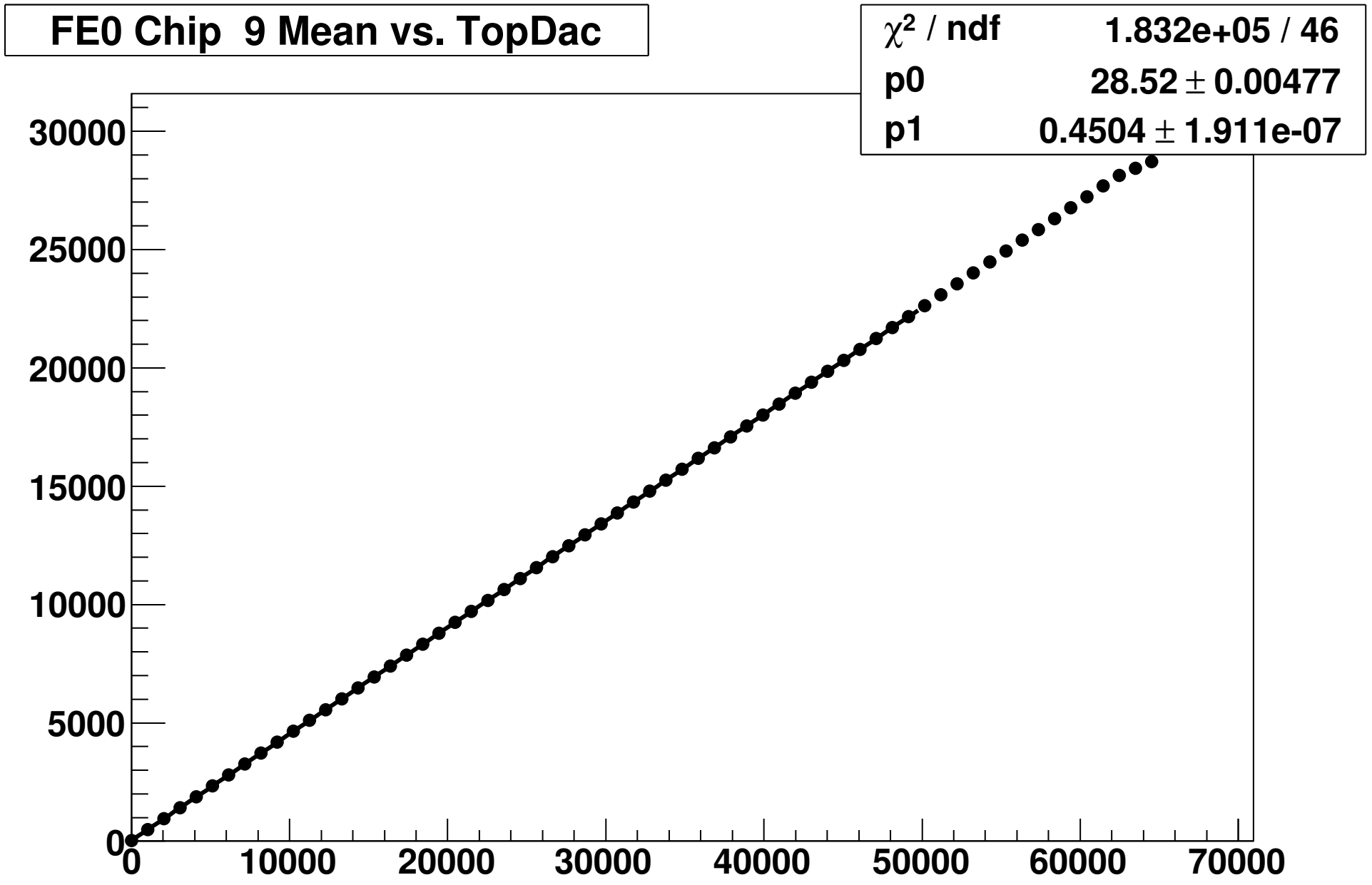
50000
60000
70000


FE0 Chip 9 Mean vs. TopDac
χ² / ndf 1.832e+05 / 46
p0 28.52 ± 0.00477
p1 0.4504 ± 1.911e-07
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20000
15000
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5000
0
0
10000
20000
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40000
50000
60000
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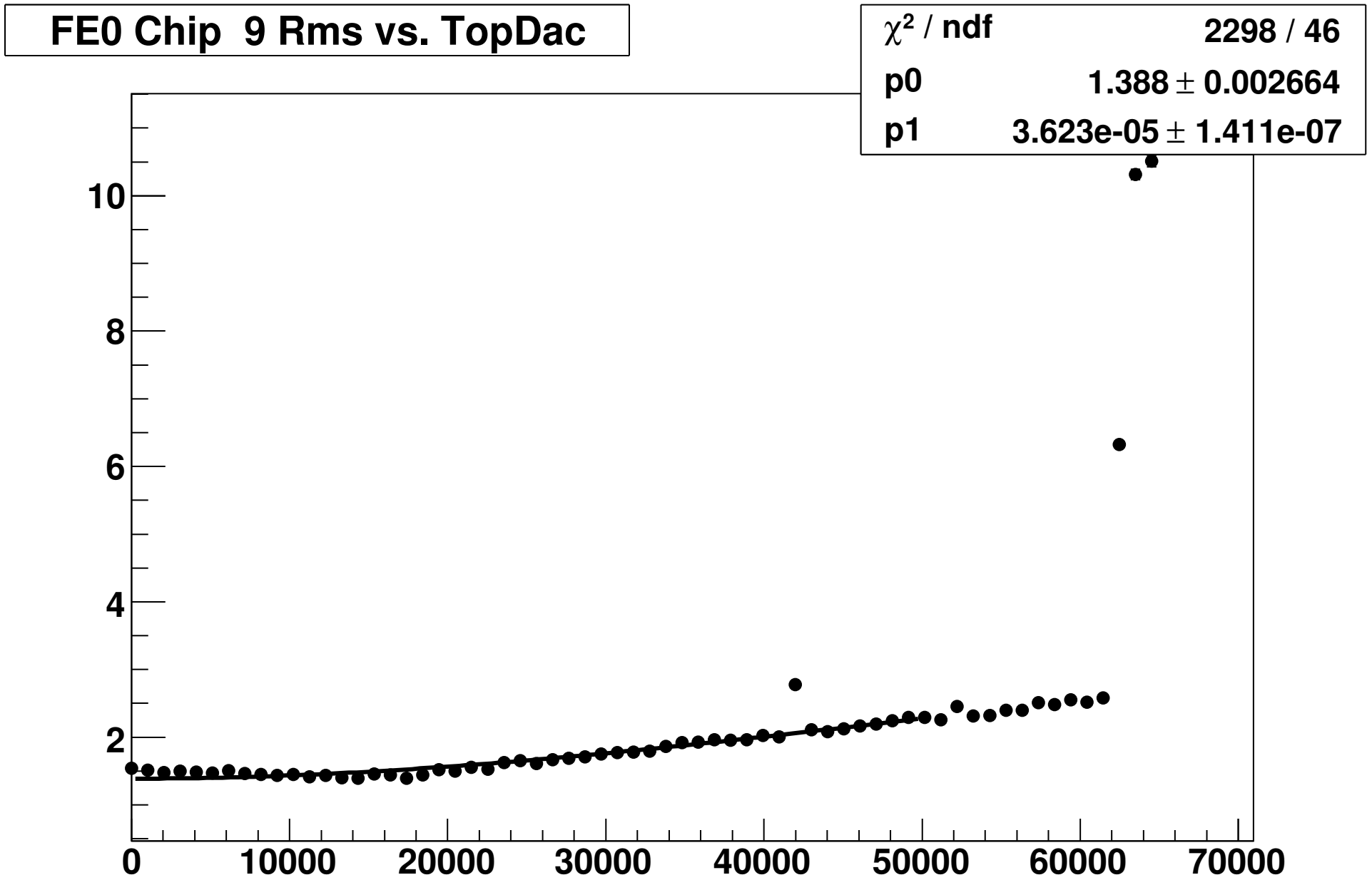
FE0 Chip 9 Rms vs. TopDac
χ² / ndf 2298 / 46
p0 1.388 ± 0.002664
p1 3.623e-05 ± 1.411e-07
10
8
6
4
2
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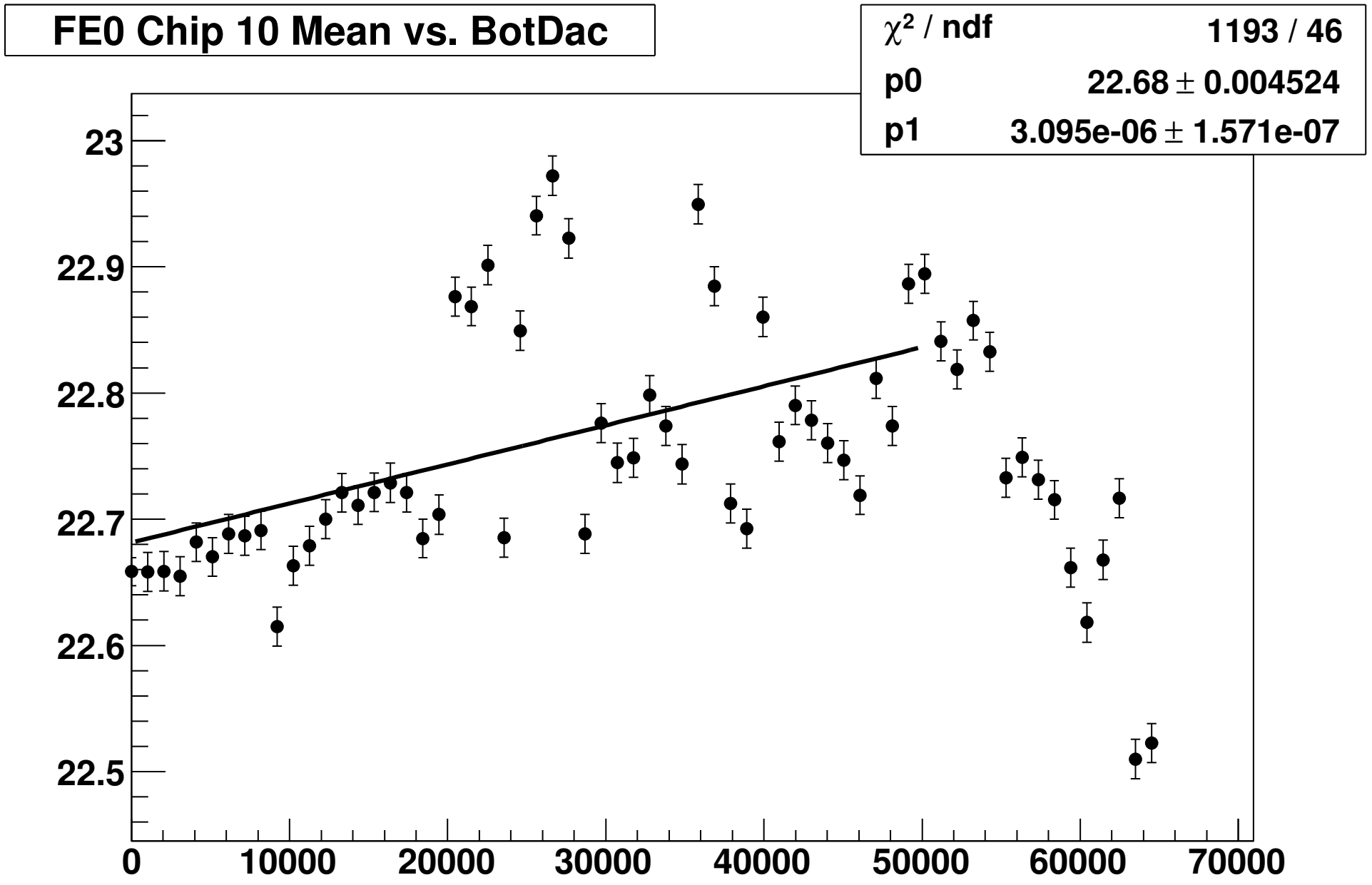
FE0 Chip 10 Mean vs. BotDac
χ² / ndf 1193 / 46
p0 22.68 ± 0.004524
p1 3.095e-06 ± 1.571e-07
23
22.9
22.8
22.7
22.6
22.5
0
10000
20000
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40000
50000
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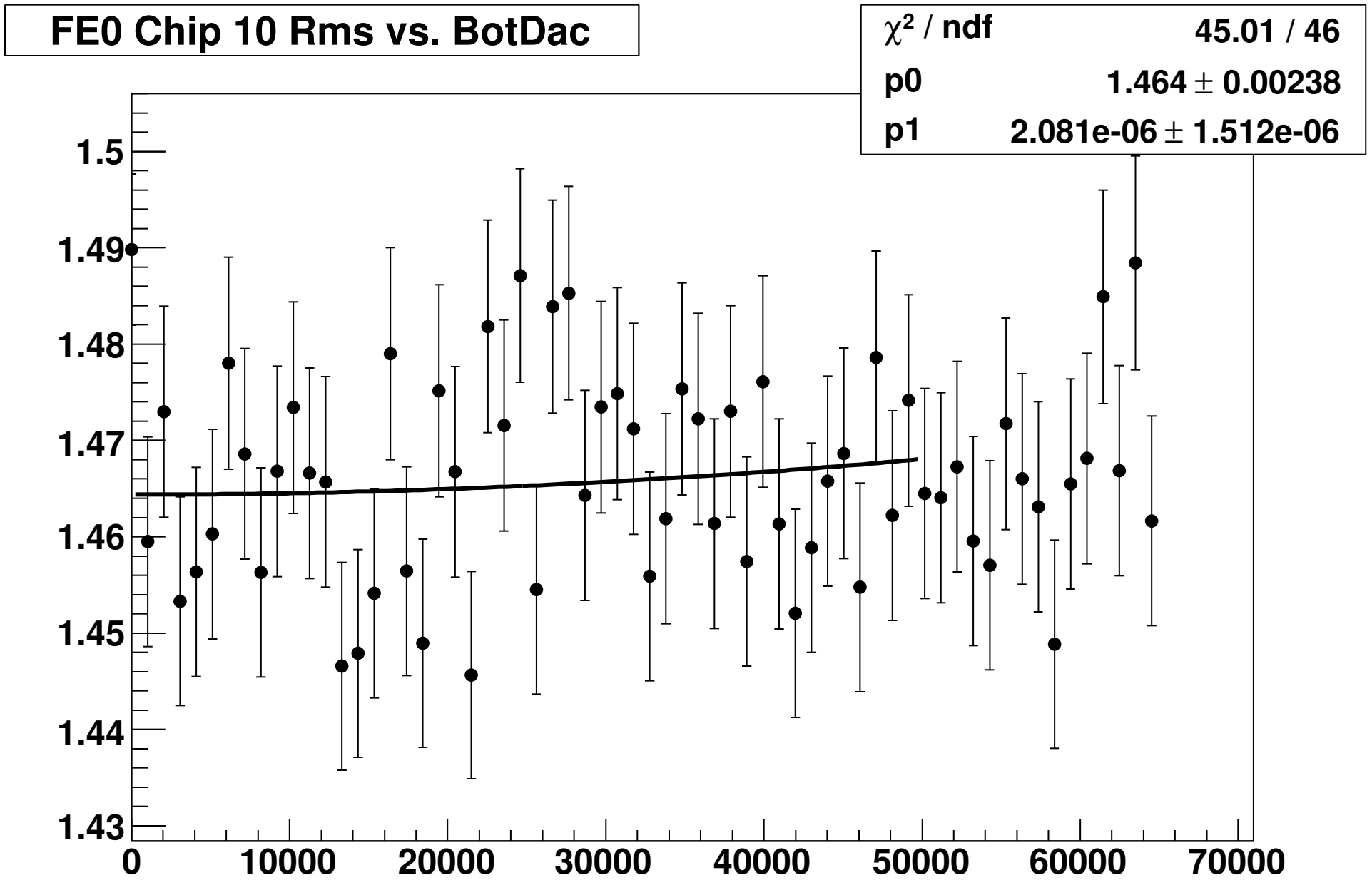
70000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 45.01 / 46
p0 1.464 ± 0.00238
p1 2.081e-06 ± 1.512e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
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50000
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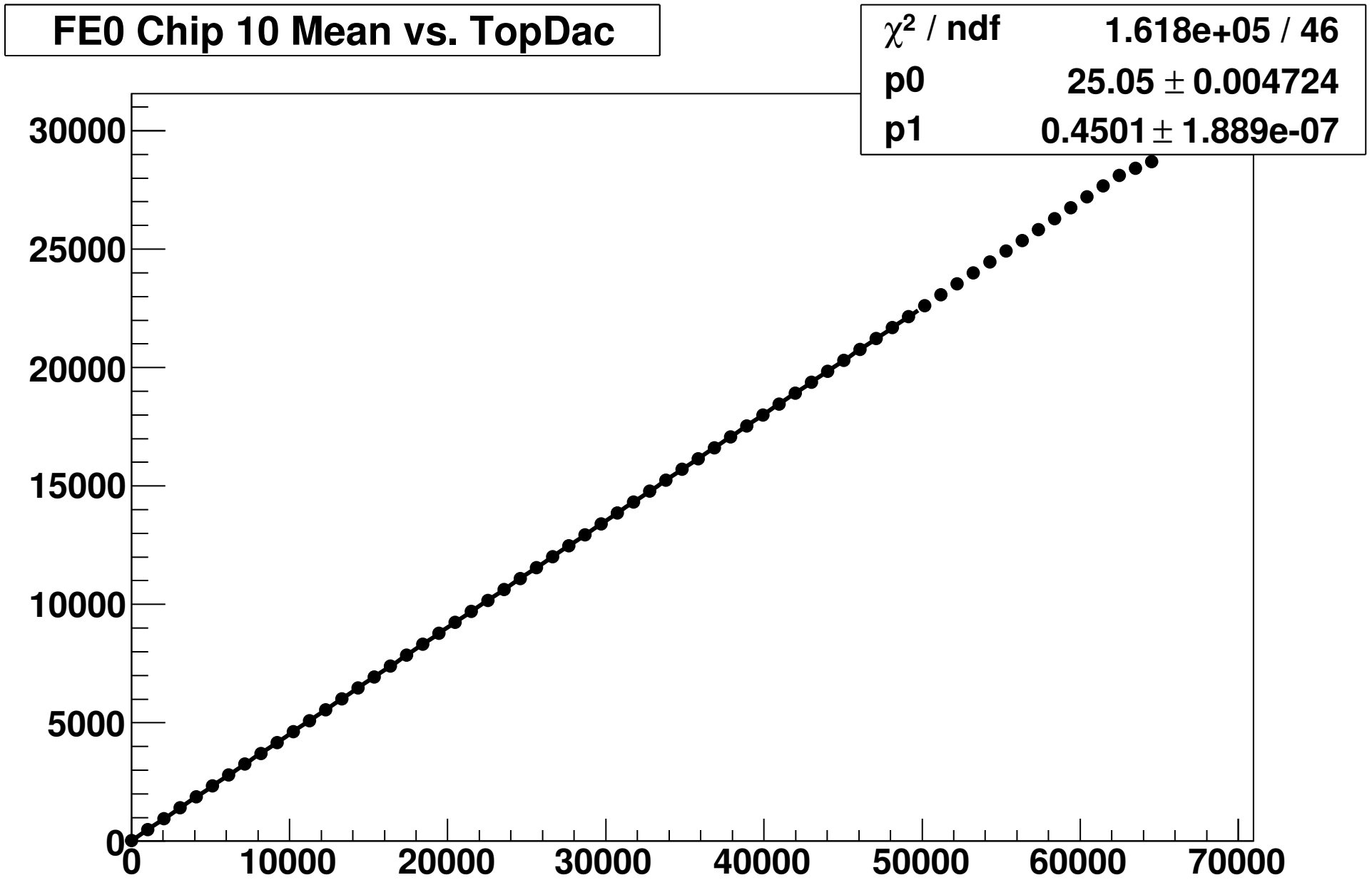
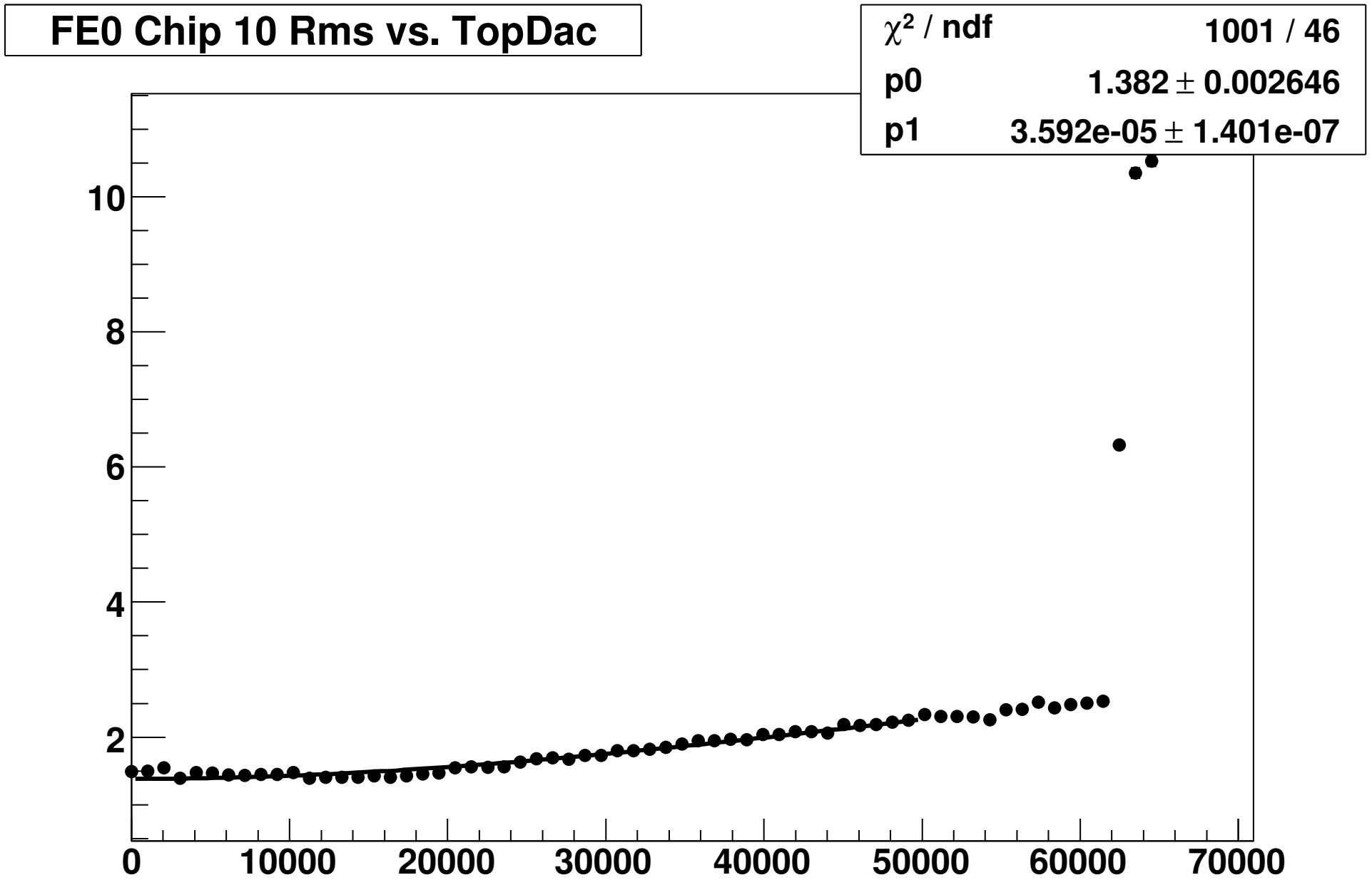
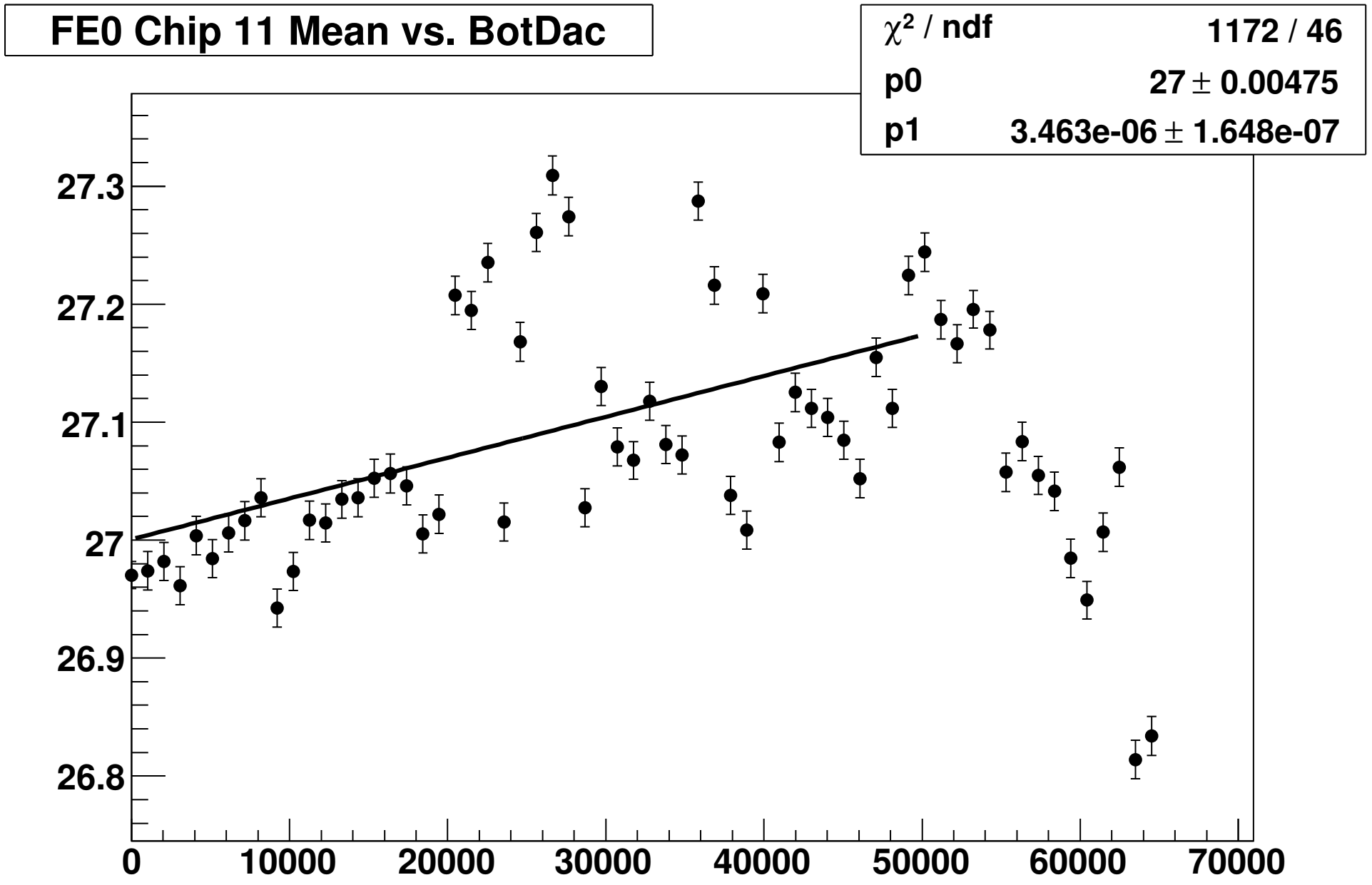
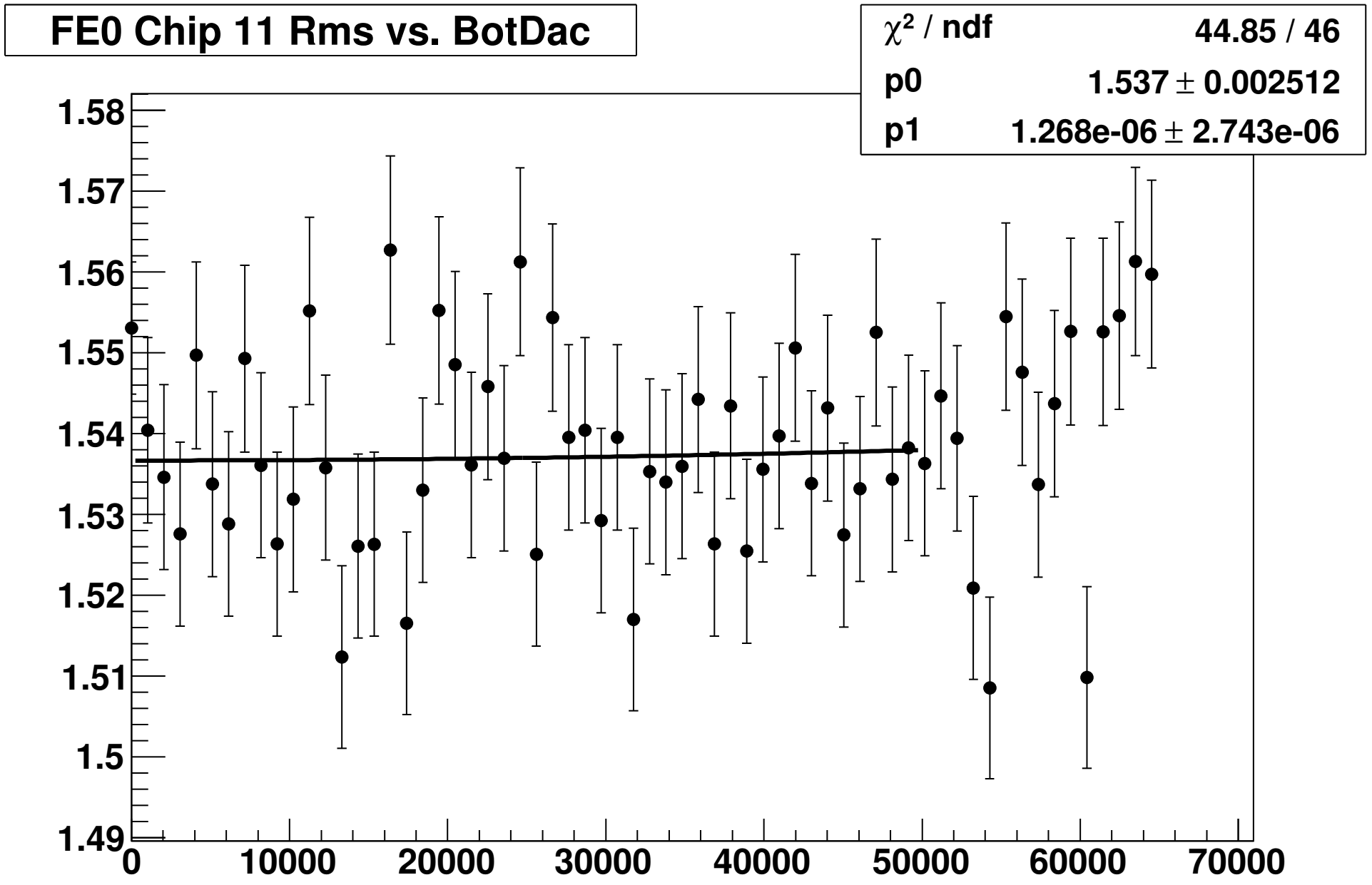
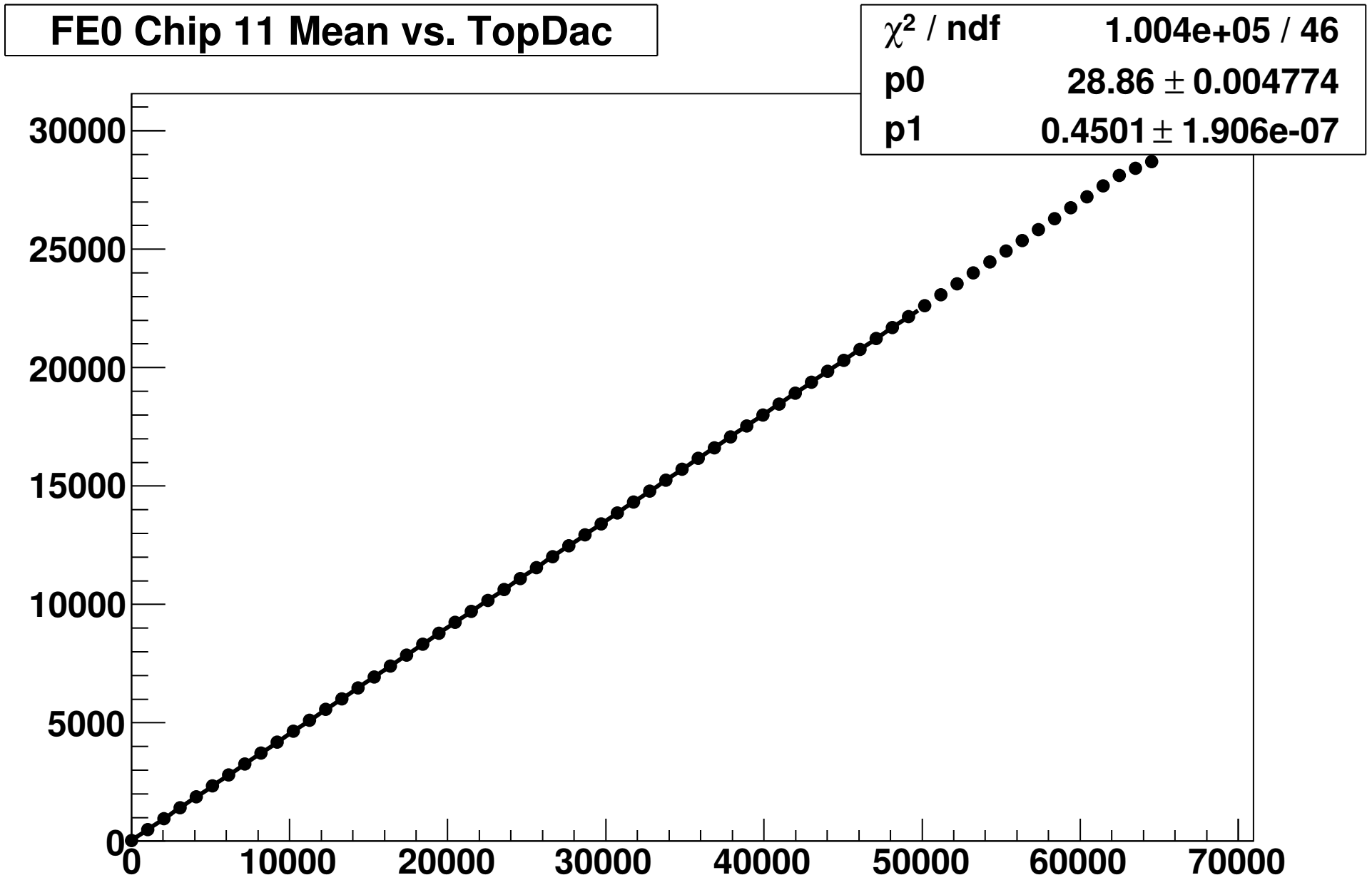
70000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 1.618e+05 / 46
p0 25.05 ± 0.004724
p1 0.4501 ± 1.889e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 1001 / 46
p0 1.382 ± 0.002646
p1 3.592e-05 ± 1.401e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Mean vs. BotDac
χ² / ndf 1172 / 46
p0 27 ± 0.00475
p1 3.463e-06 ± 1.648e-07
27.3
27.2
27.1
27
26.9
26.8
0
10000
20000
30000
40000
50000
60000
70000


FE0 Chip 11 Rms vs. BotDac
χ² / ndf 44.85 / 46
p0 1.537 ± 0.002512
p1 1.268e-06 ± 2.743e-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
40000
50000
60000
70000


FE0 Chip 11 Mean vs. TopDac
χ² / ndf 1.004e+05 / 46
p0 28.86 ± 0.004774
p1 0.4501 ± 1.906e-07
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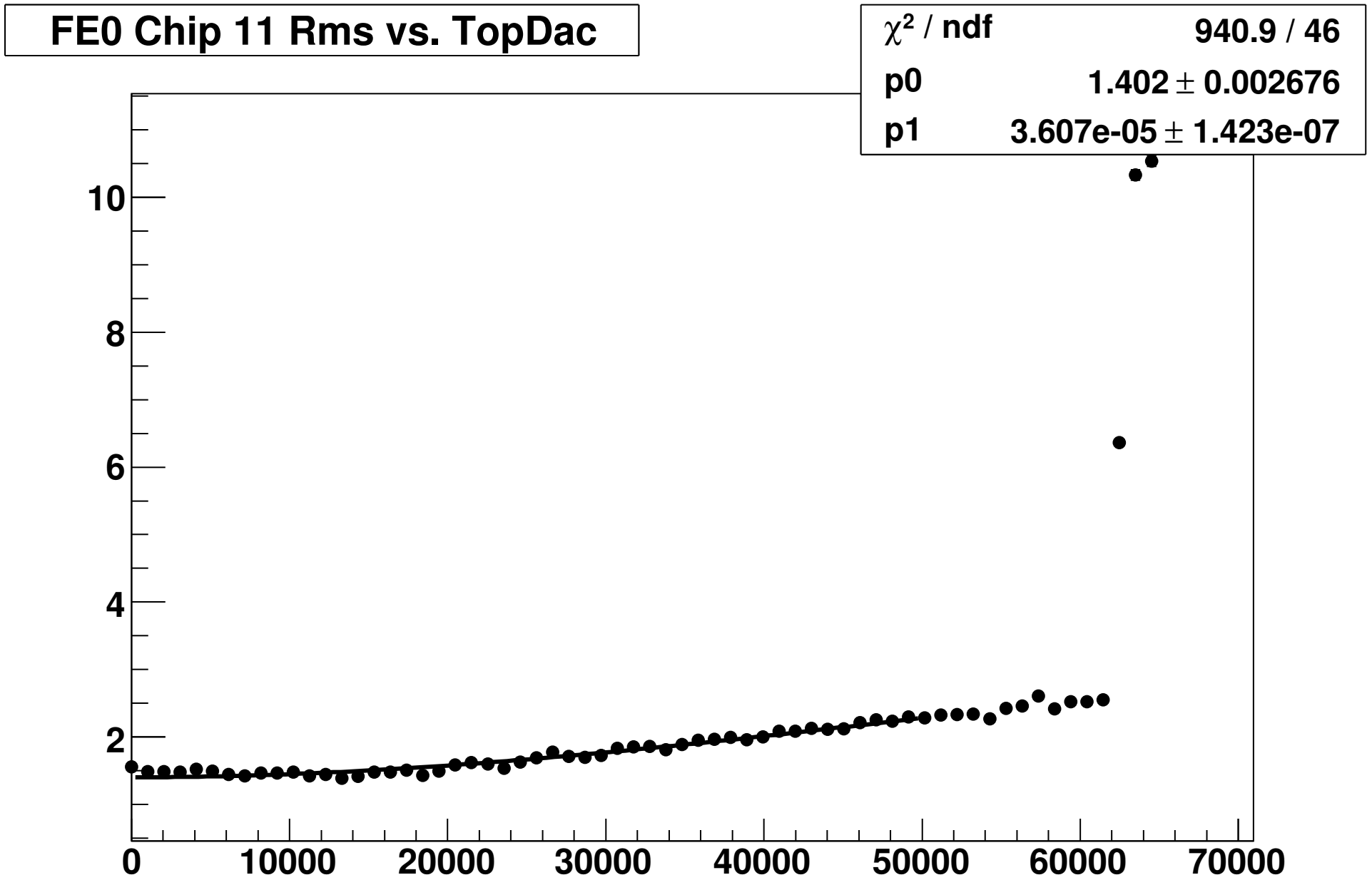
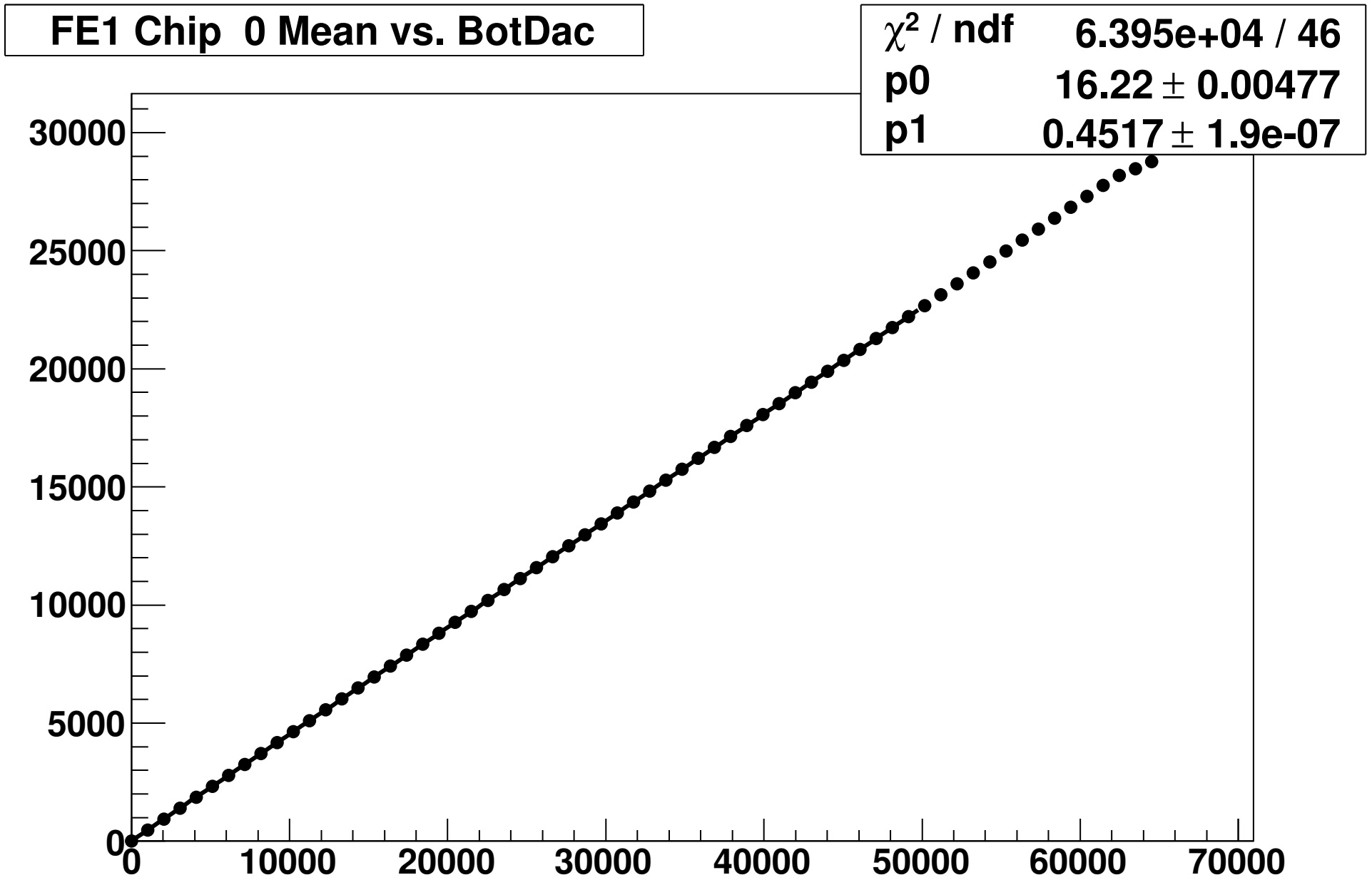
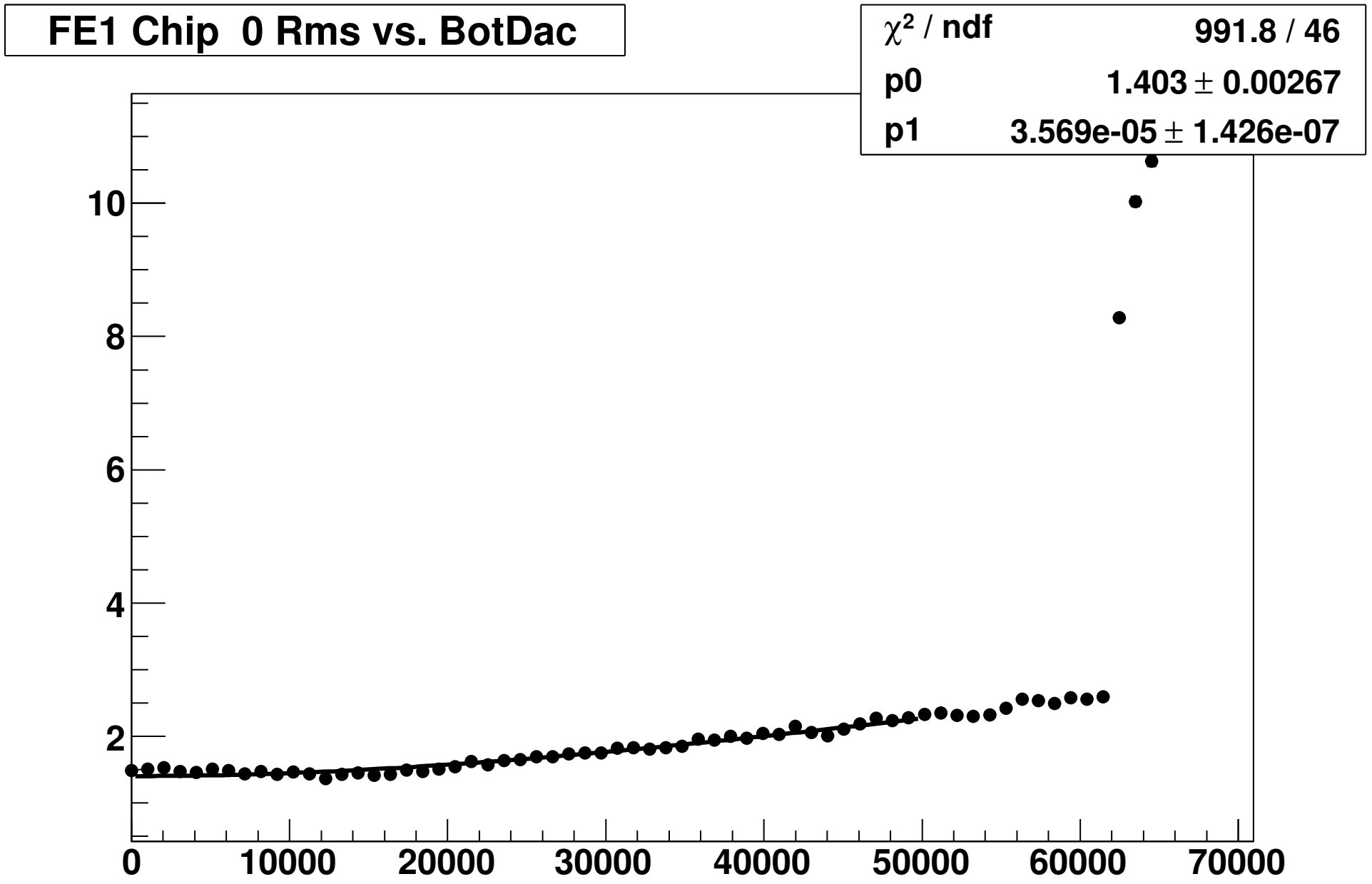
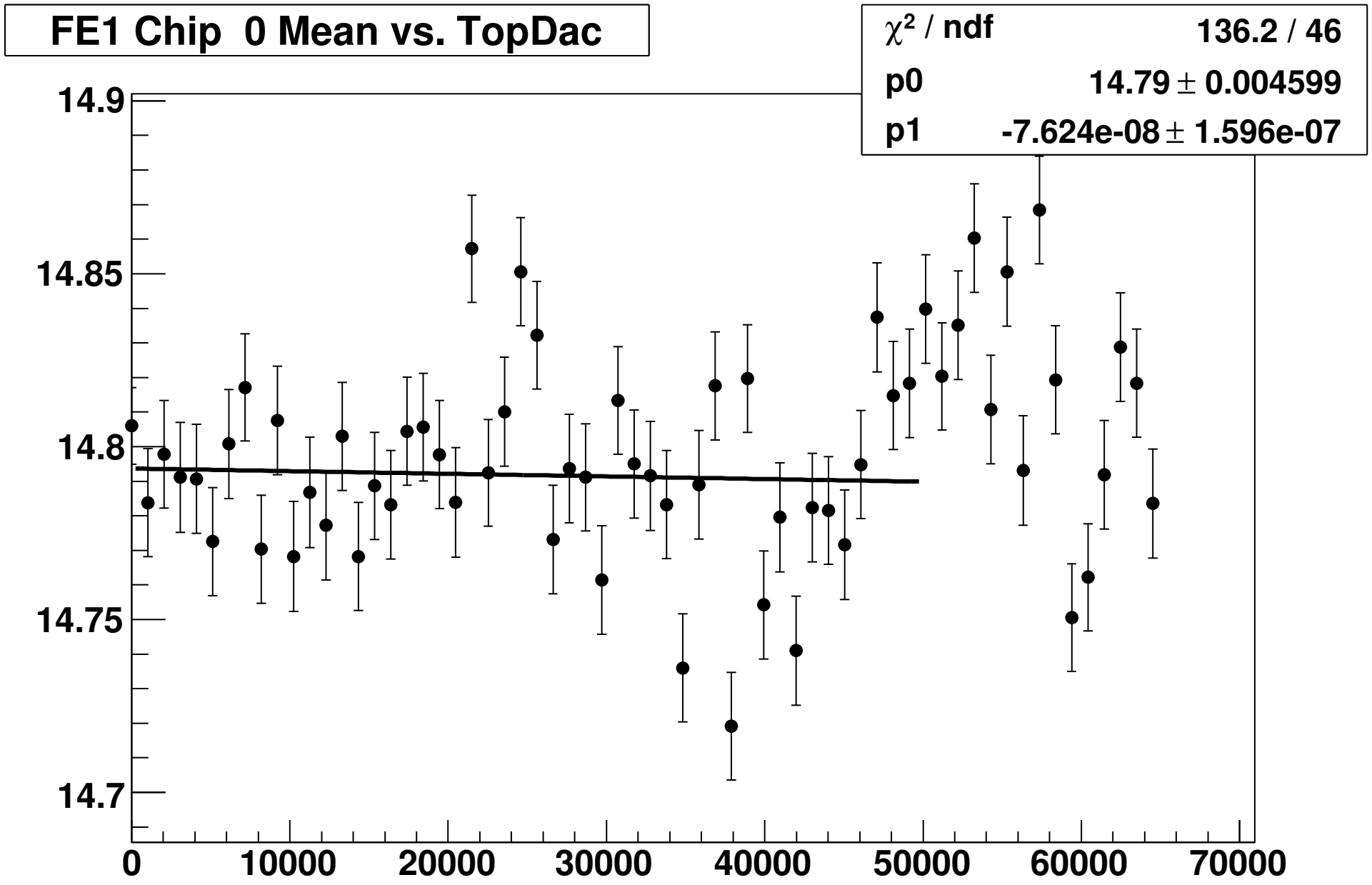
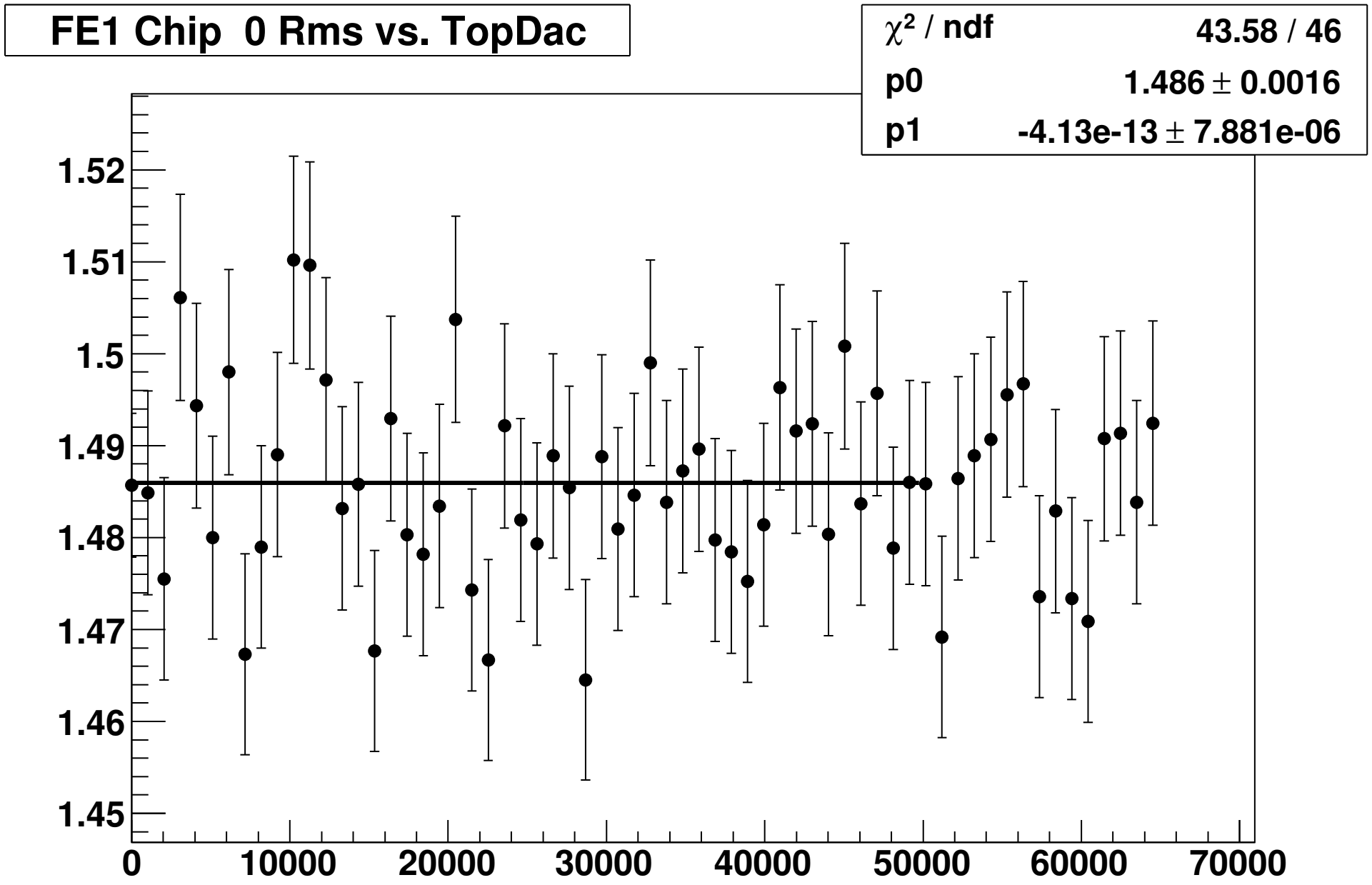
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

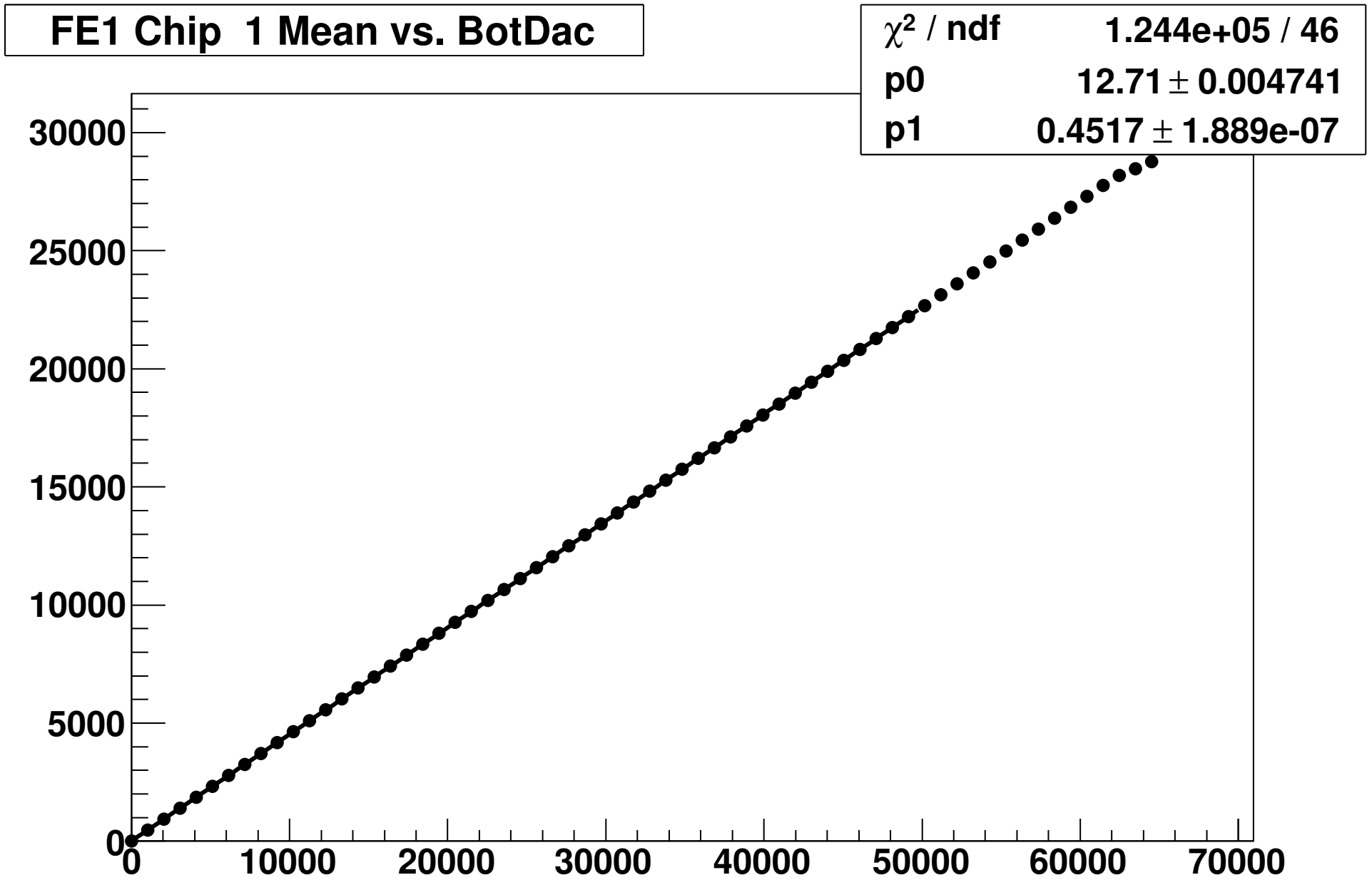

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 940.9 / 46
p0 1.402 ± 0.002676
p1 3.607e-05 ± 1.423e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 6.395e+04 / 46
p0 16.22 ± 0.00477
p1 0.4517 ± 1.9e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 991.8 / 46
p0 1.403 ± 0.00267
p1 3.569e-05 ± 1.426e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 136.2 / 46
p0 14.79 ± 0.004599
p1 -7.624e-08 ± 1.596e-07
14.9
14.85
14.8
14.75
14.7
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 43.58 / 46
p0 1.486 ± 0.0016
p1 -4.13e-13 ± 7.881e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 1.244e+05 / 46
p0 12.71 ± 0.004741
p1 0.4517 ± 1.889e-07
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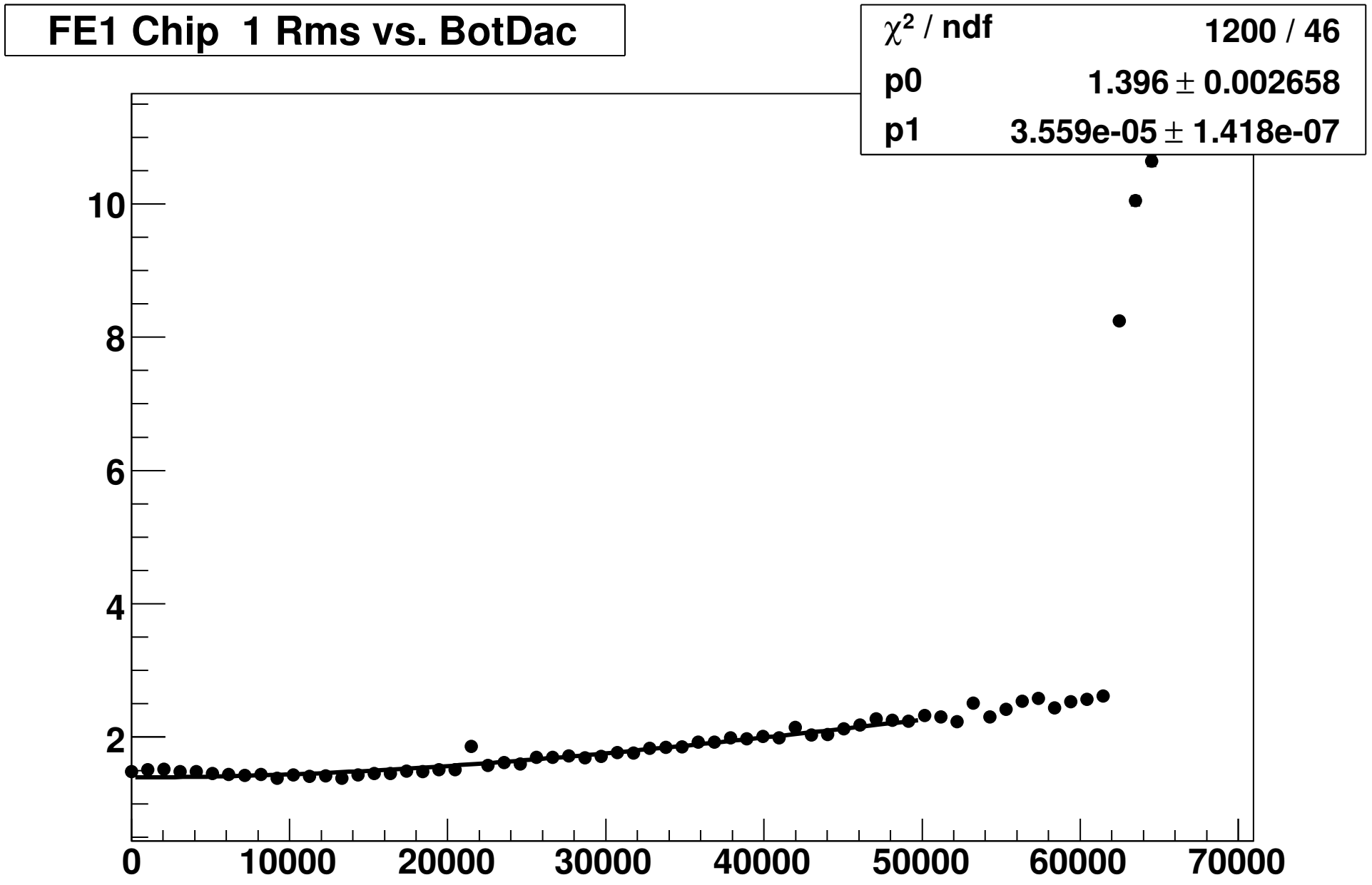
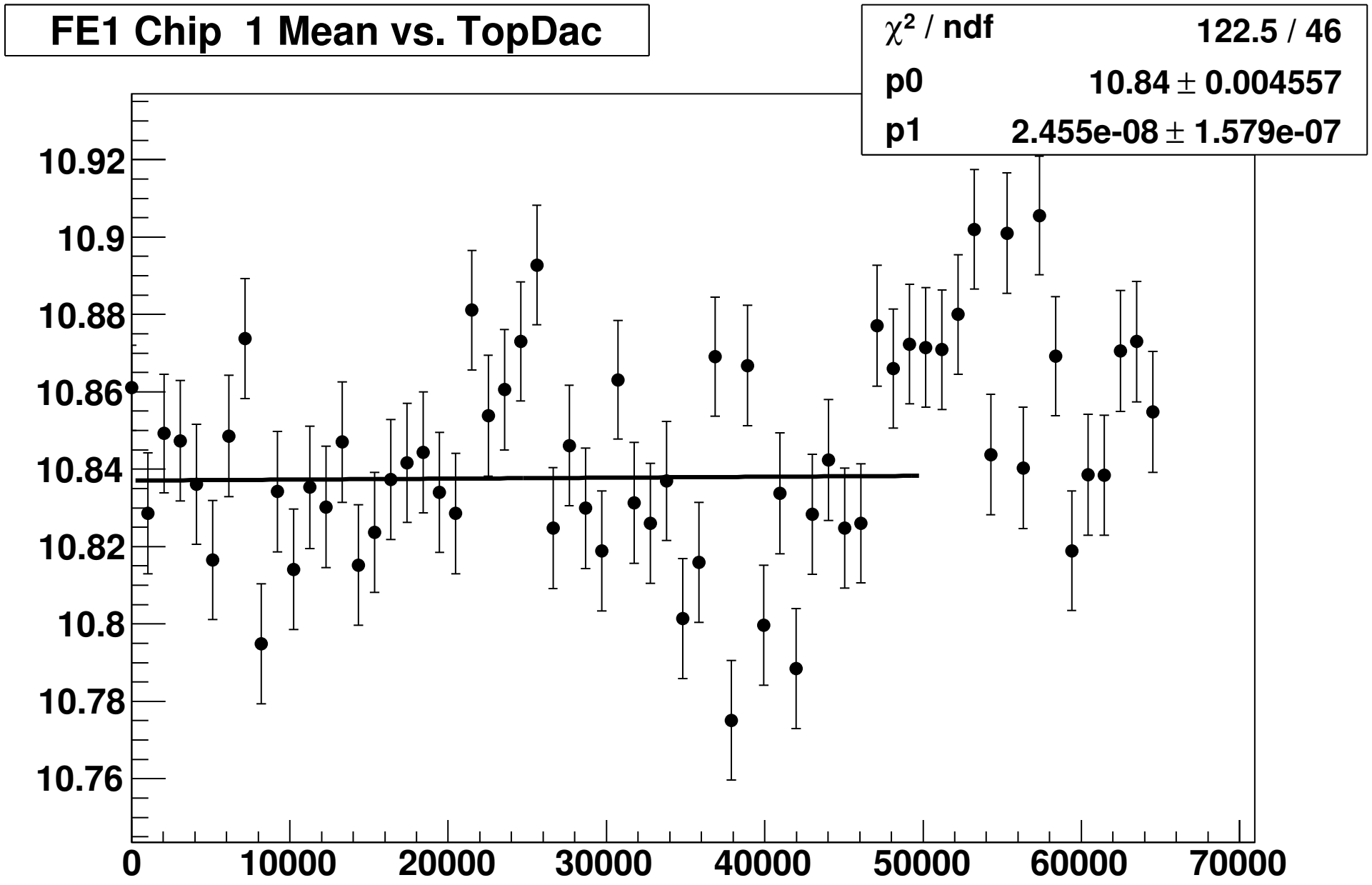
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 1200 / 46
p0 1.396 ± 0.002658
p1 3.559e-05 ± 1.418e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 122.5 / 46
p0 10.84 ± 0.004557
p1 2.455e-08 ± 1.579e-07
10.92
10.9
10.88
10.86
10.84
10.82
10.8
10.78
10.76
0
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20000
30000
40000
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60000
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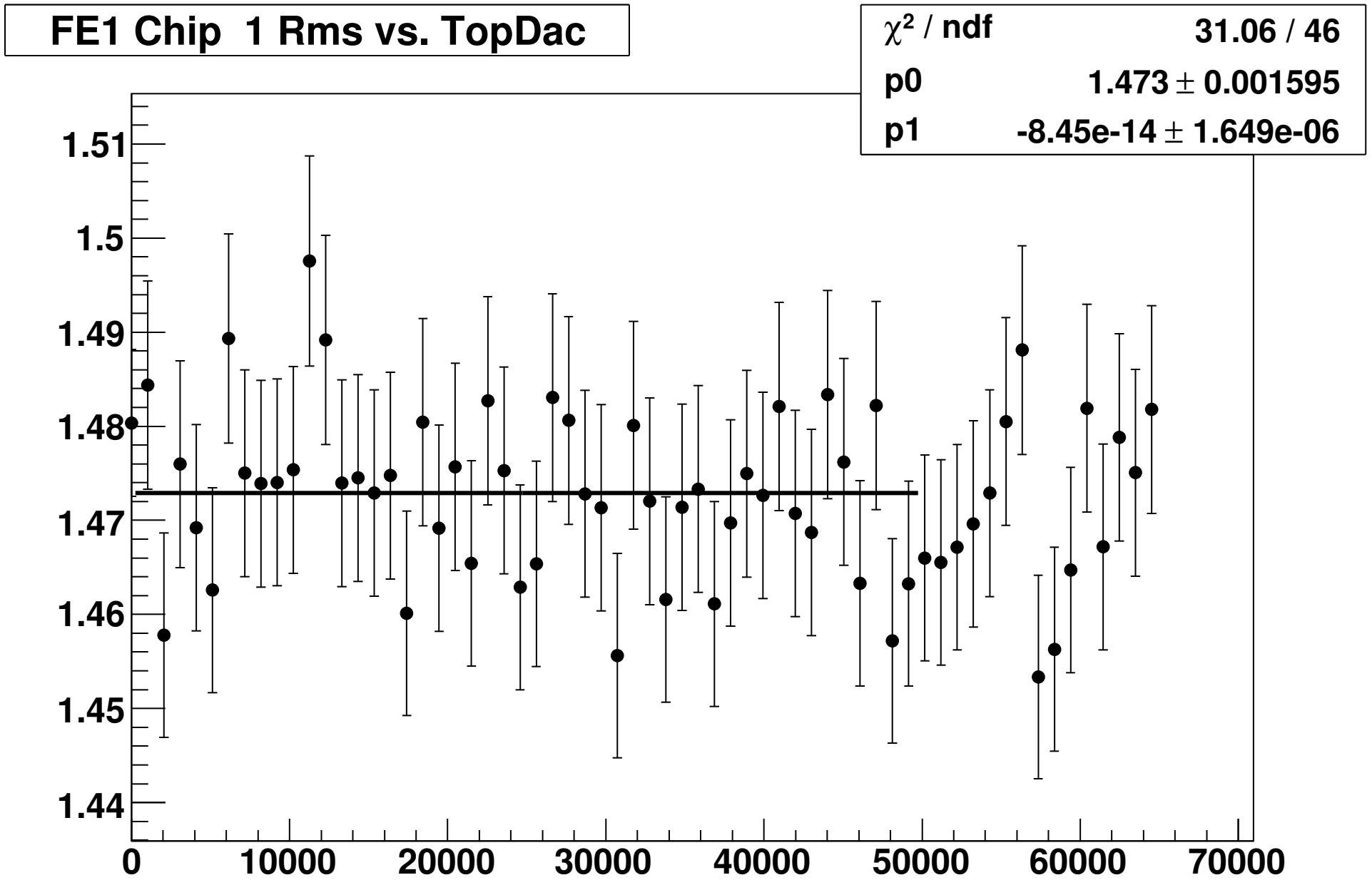
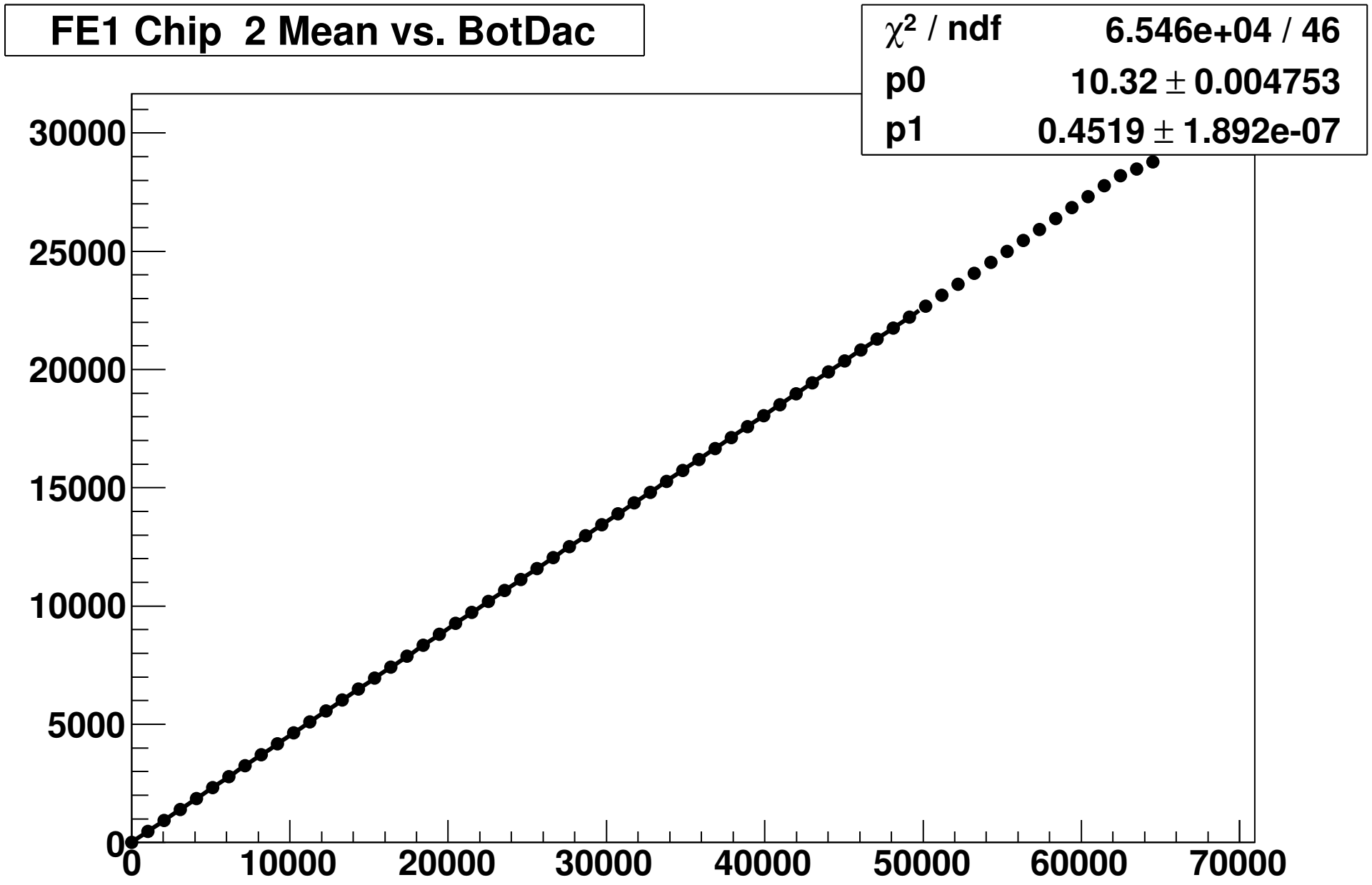

FE1 Chip 1 Rms vs. TopDac
χ² / ndf 31.06 / 46
p0 1.473 ± 0.001595
p1 -8.45e-14 ± 1.649e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 6.546e+04 / 46
p0 10.32 ± 0.004753
p1 0.4519 ± 1.892e-07
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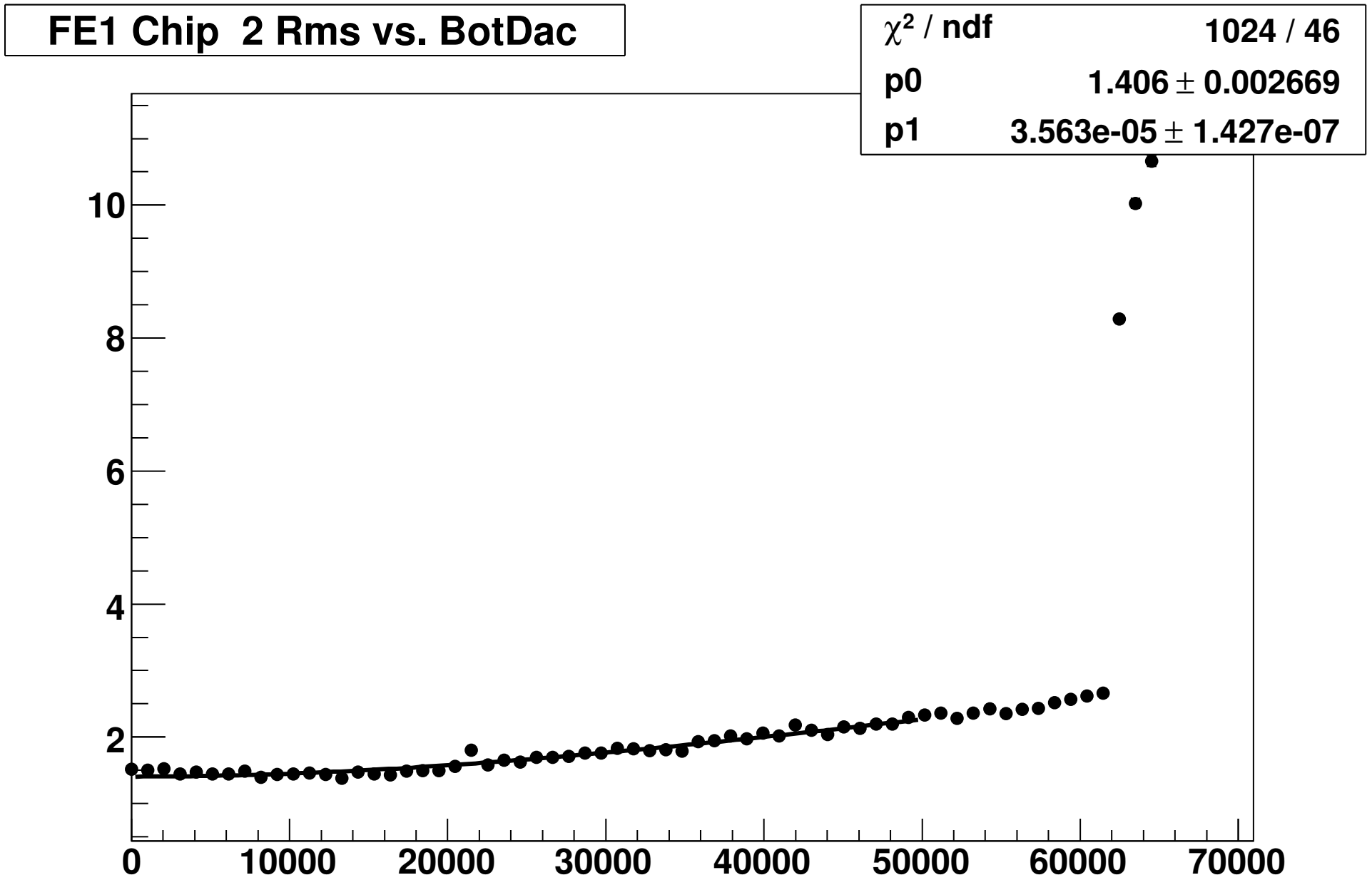
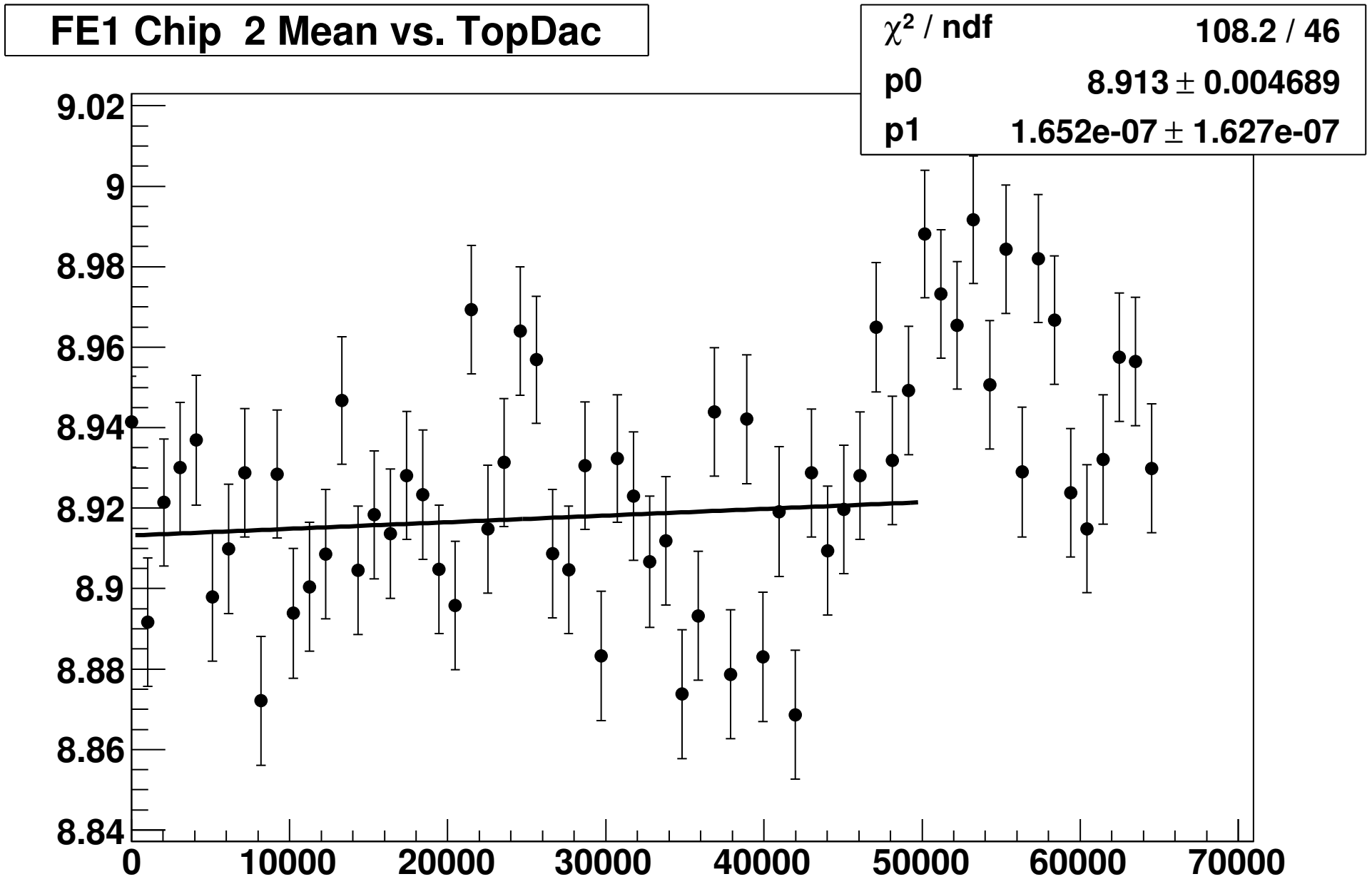
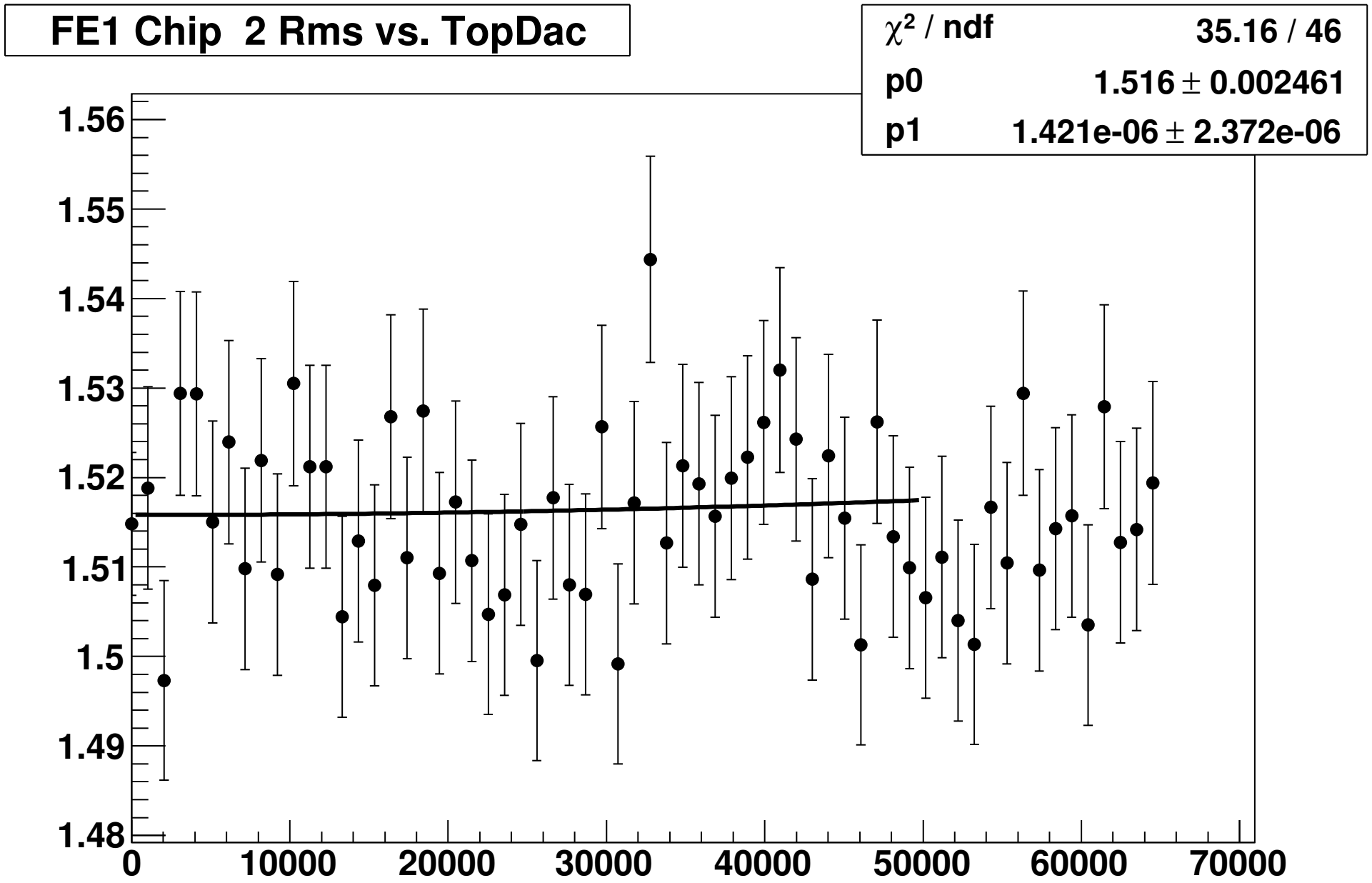
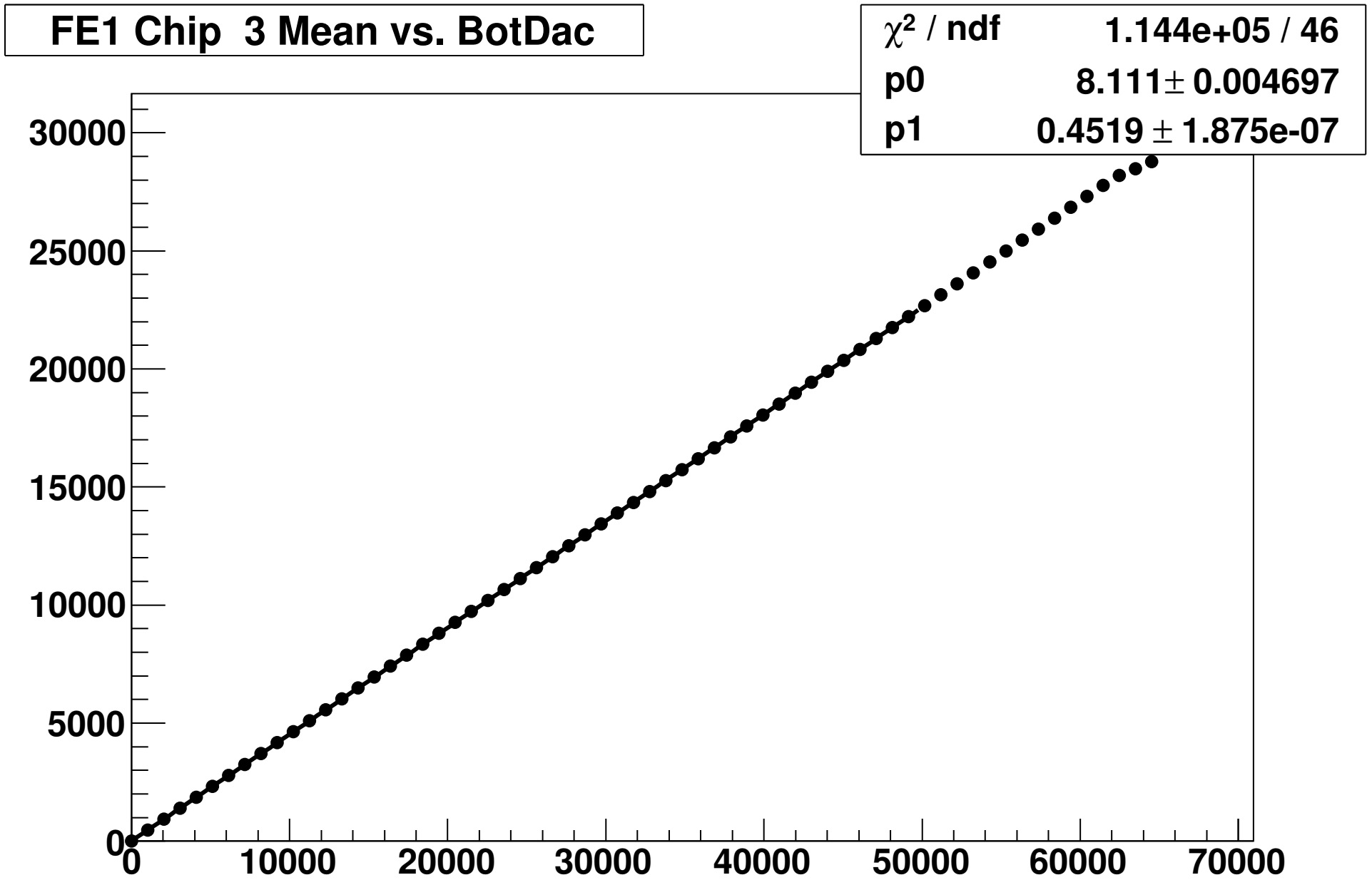
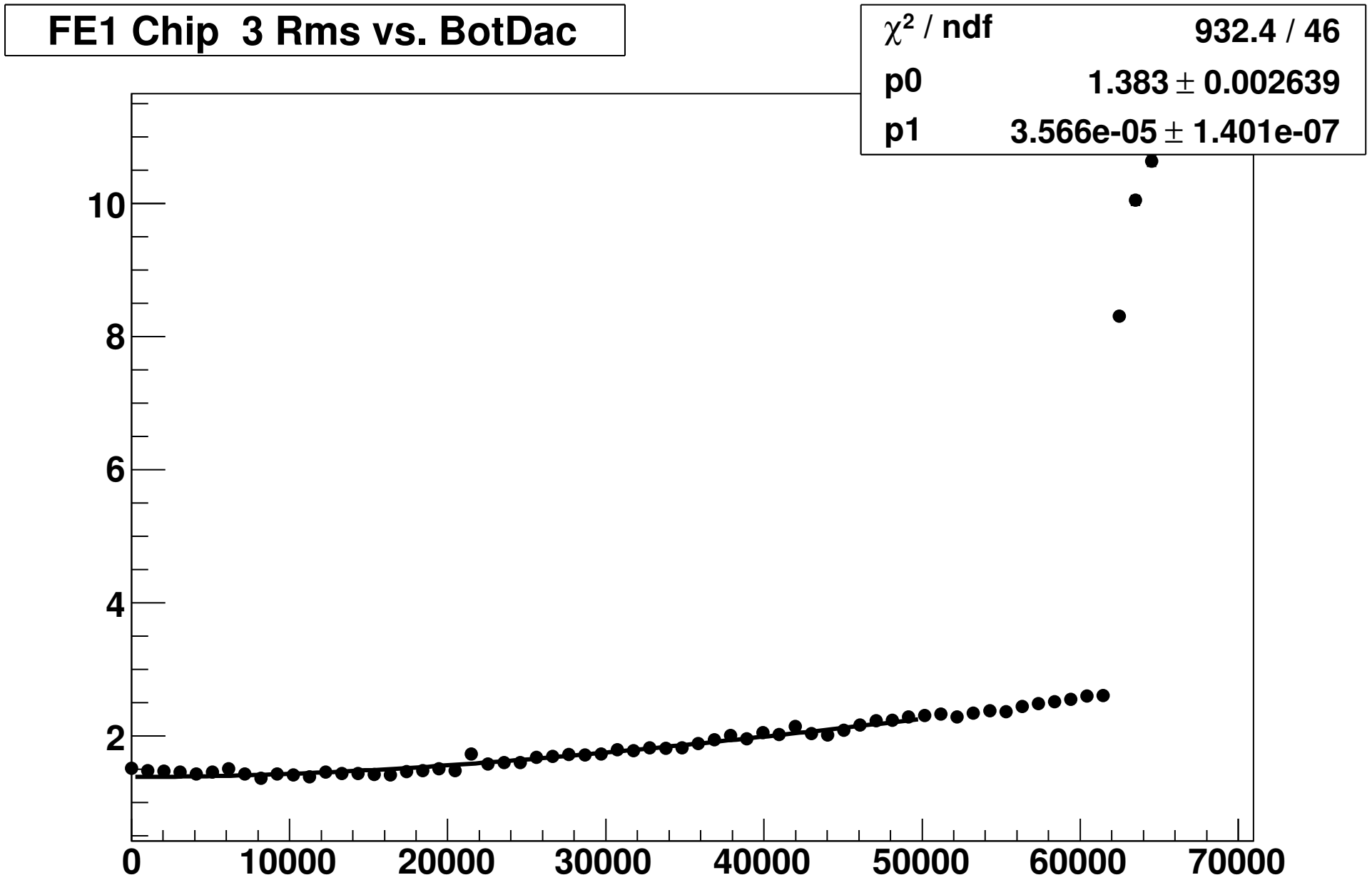
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

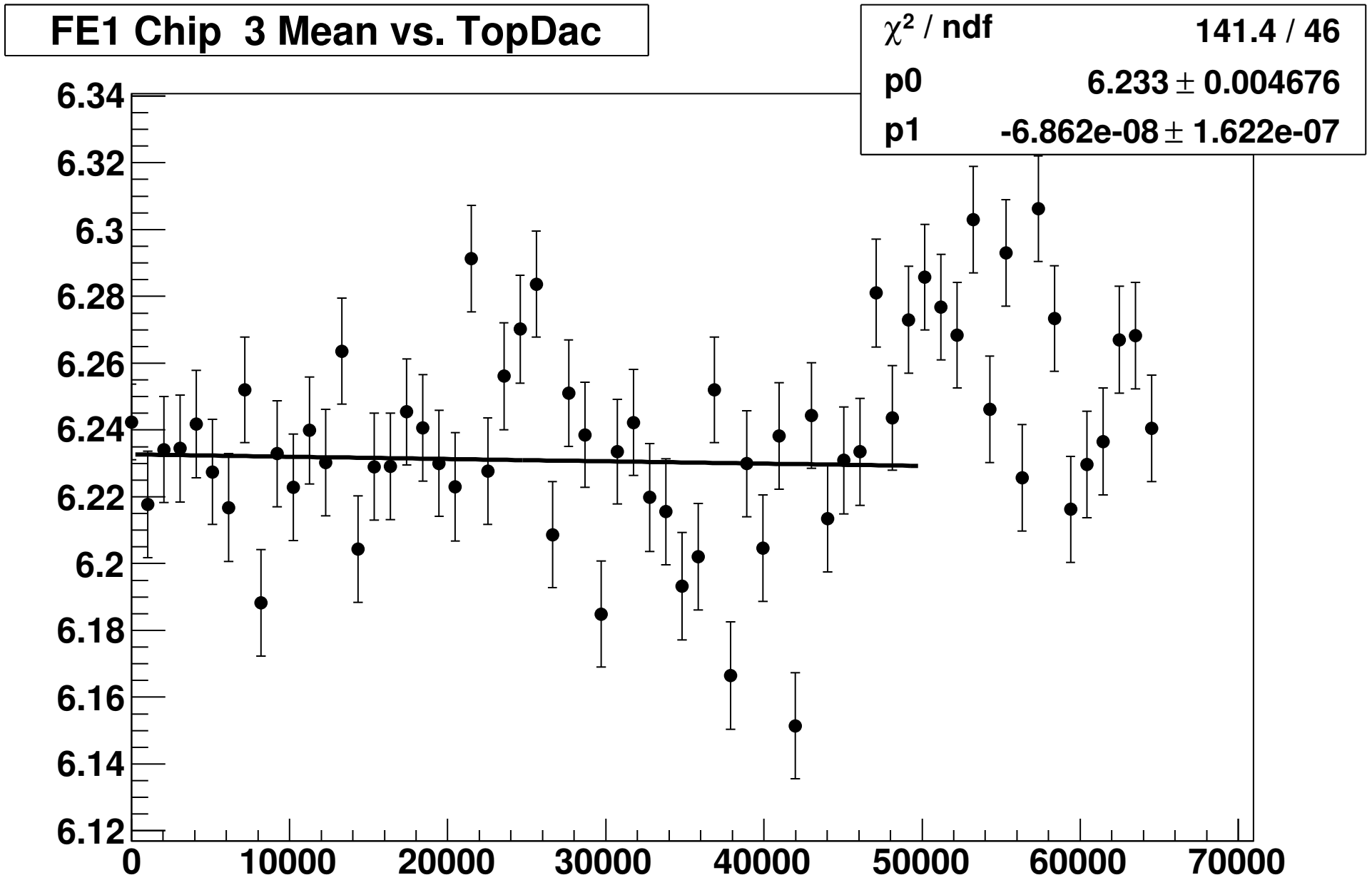

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 1024 / 46
p0 1.406 ± 0.002669
p1 3.563e-05 ± 1.427e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

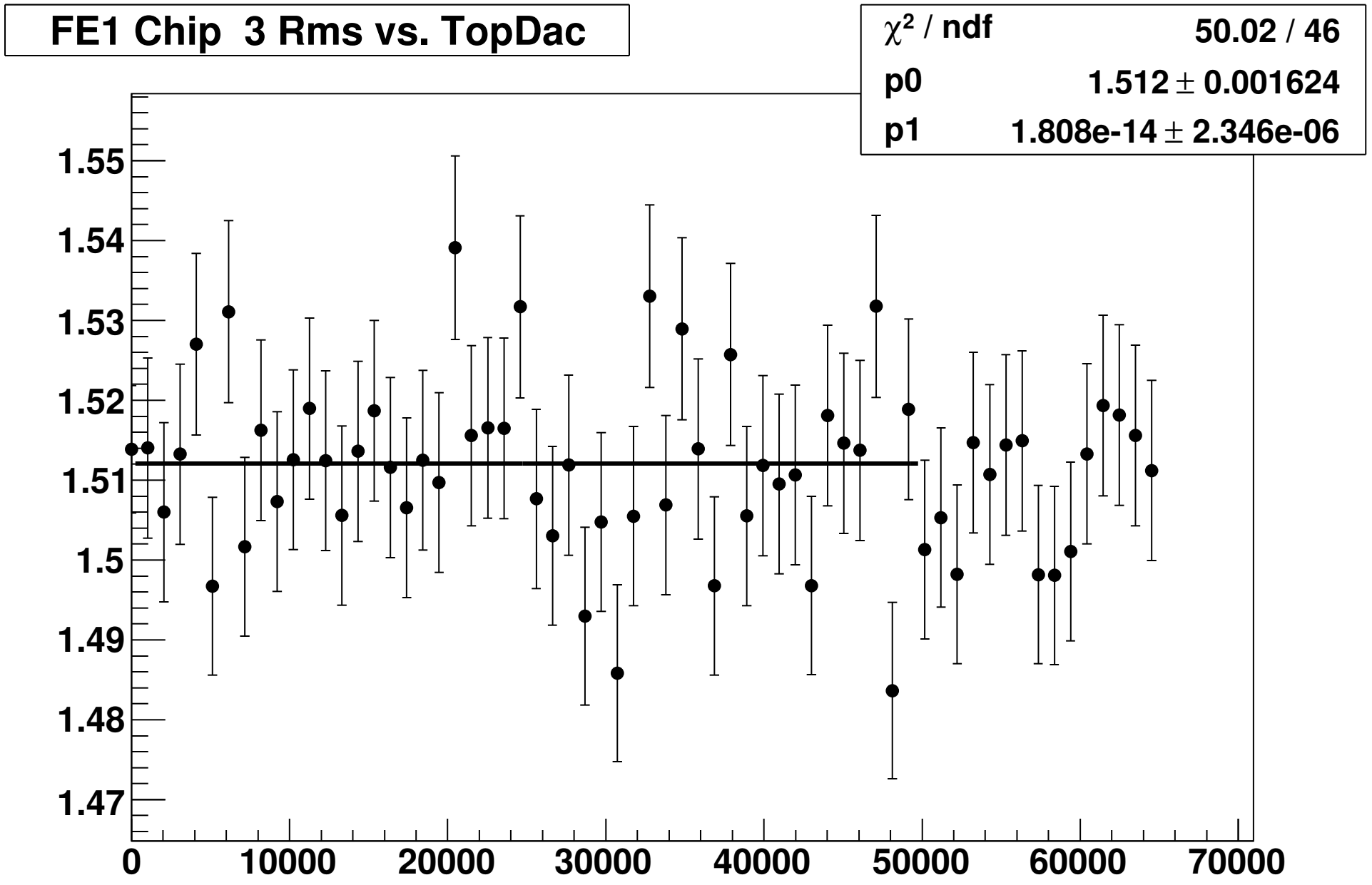

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 108.2 / 46
p0 8.913 ± 0.004689
p1 1.652e-07 ± 1.627e-07
9.02
9
8.98
8.96
8.94
8.92
8.9
8.88
8.86
8.84
0
10000
20000
30000
40000
50000
60000
70000

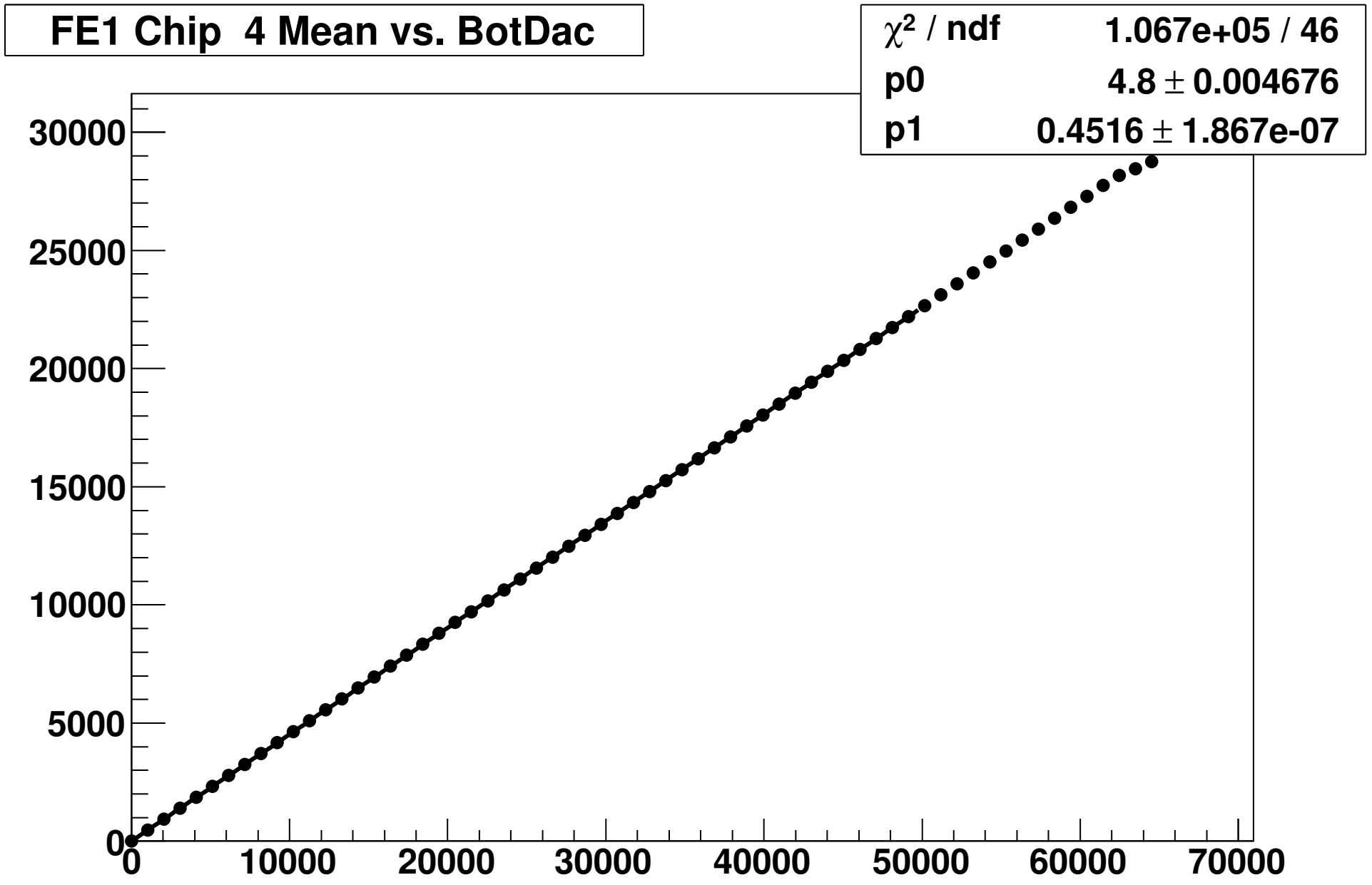

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 35.16 / 46
p0 1.516 ± 0.002461
p1 1.421e-06 ± 2.372e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000
70000

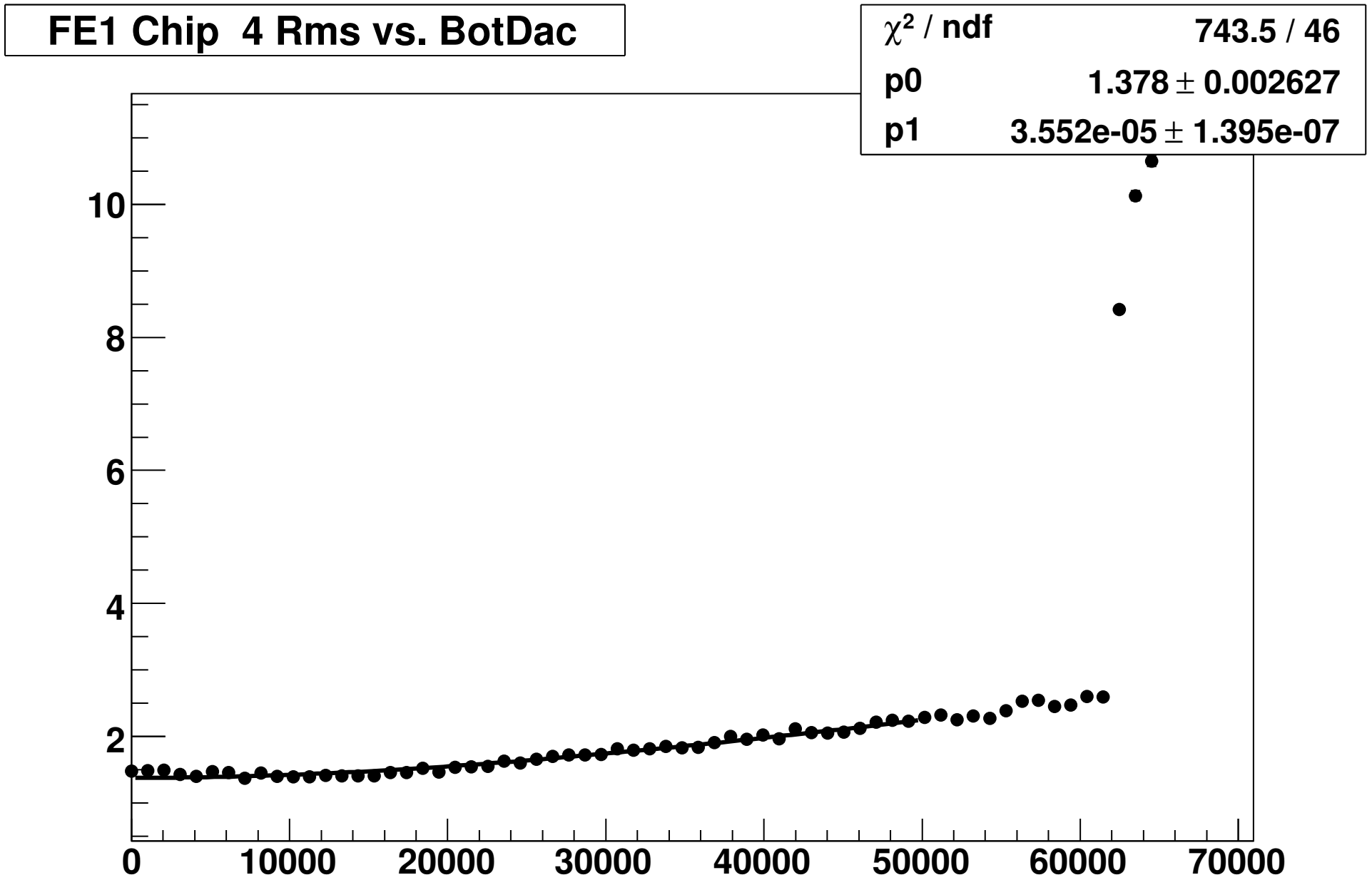

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 1.144e+05 / 46
p0 8.111 ± 0.004697
p1 0.4519 ± 1.875e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

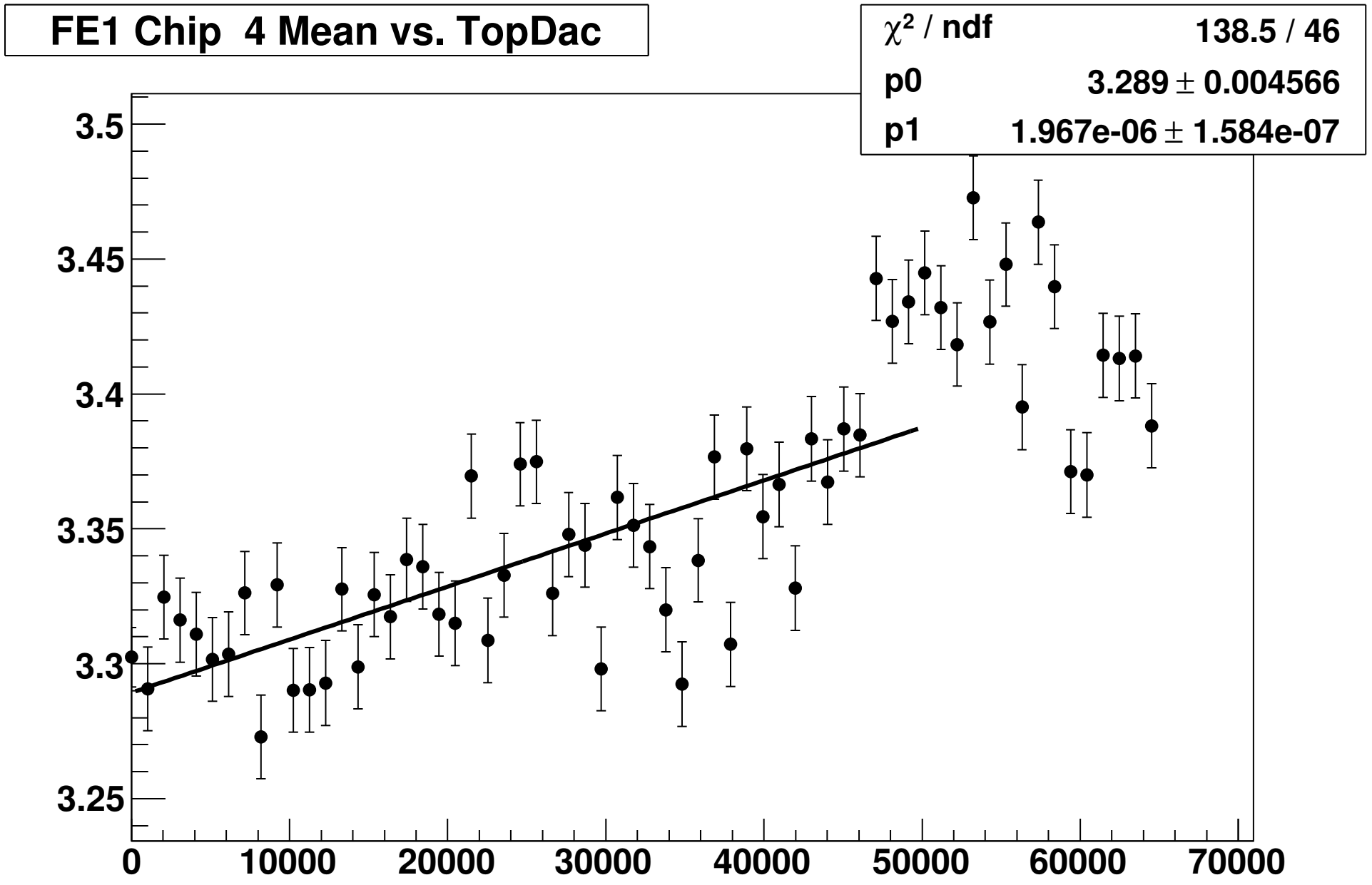

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 932.4 / 46
p0 1.383 ± 0.002639
p1 3.566e-05 ± 1.401e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Mean vs. TopDac
χ² / ndf 141.4 / 46
p0 6.233 ± 0.004676
p1 -6.862e-08 ± 1.622e-07
6.34
6.32
6.3
6.28
6.26
6.24
6.22
6.2
6.18
6.16
6.14
6.12
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 50.02 / 46
p0 1.512 ± 0.001624
p1 1.808e-14 ± 2.346e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 1.067e+05 / 46
p0 4.8 ± 0.004676
p1 0.4516 ± 1.867e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 743.5 / 46
p0 1.378 ± 0.002627
p1 3.552e-05 ± 1.395e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 138.5 / 46
p0 3.289 ± 0.004566
p1 1.967e-06 ± 1.584e-07
3.5
3.45
3.4
3.35
3.3
3.25
0
10000
20000
30000
40000
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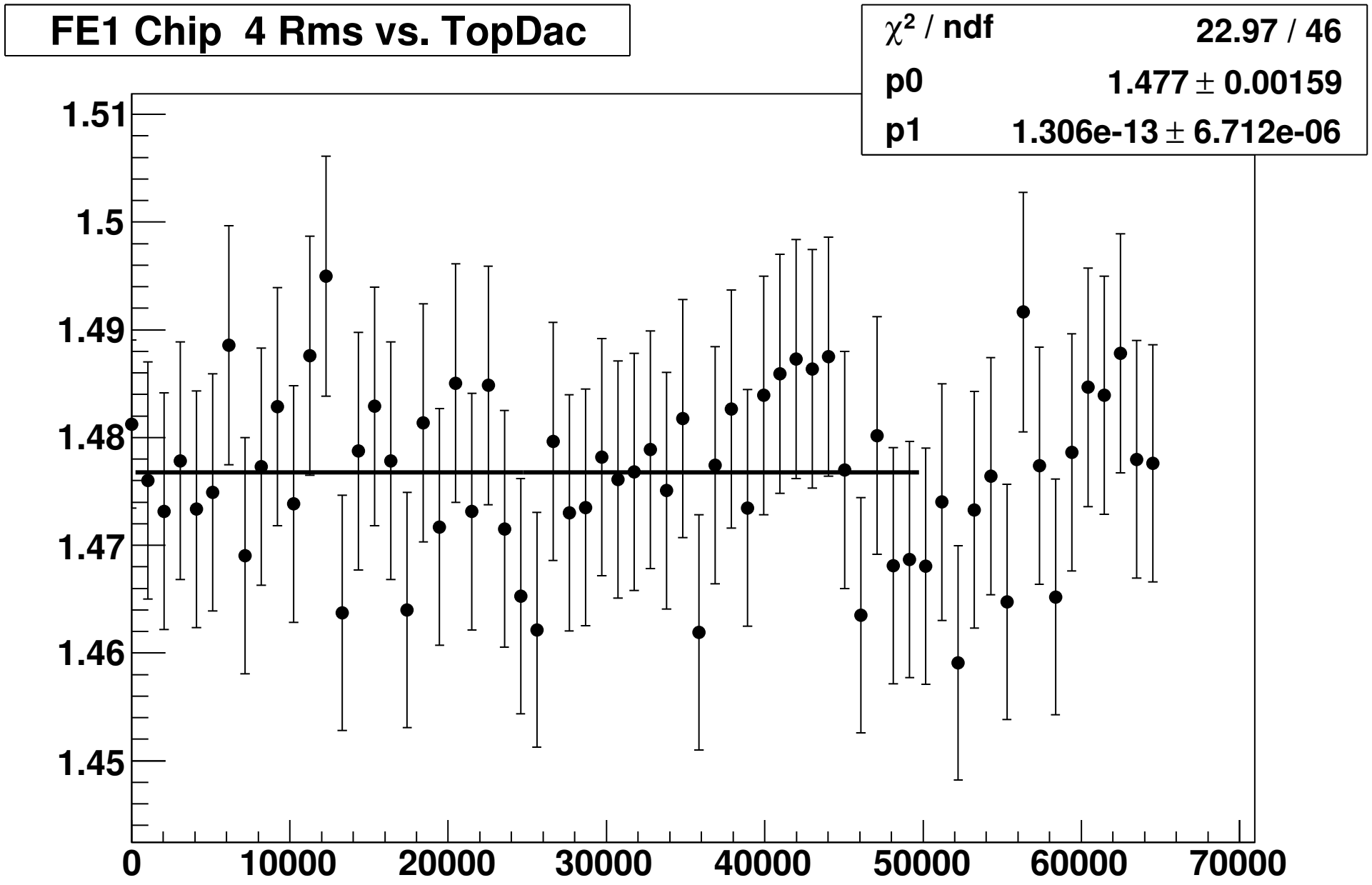
FE1 Chip 4 Rms vs. TopDac
χ² / ndf 22.97 / 46
p0 1.477 ± 0.00159
p1 1.306e-13 ± 6.712e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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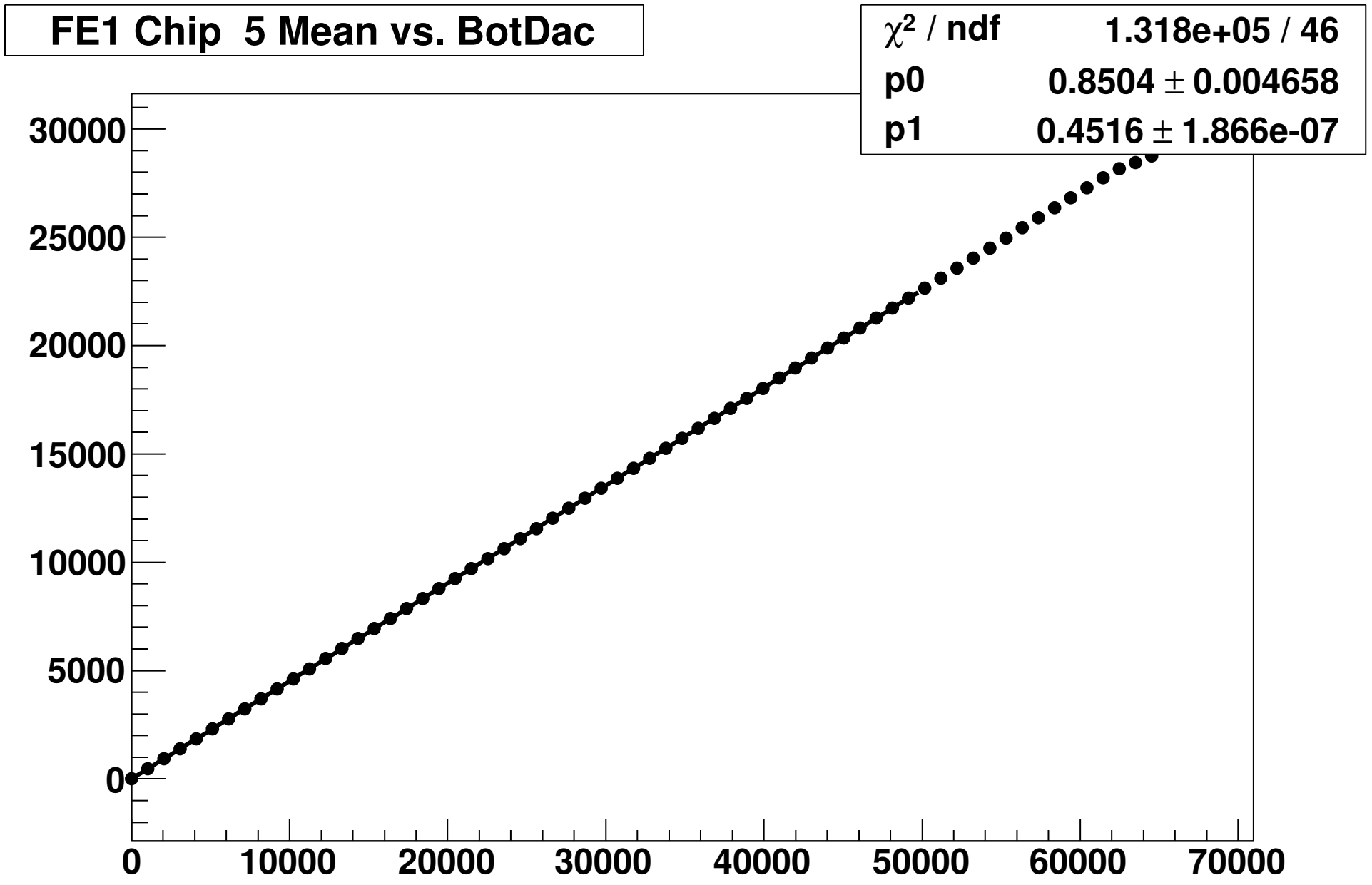
FE1 Chip 5 Mean vs. BotDac
χ² / ndf 1.318e+05 / 46
p0 0.8504 ± 0.004658
p1 0.4516 ± 1.866e-07
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25000
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15000
10000
5000
0
0
10000
20000
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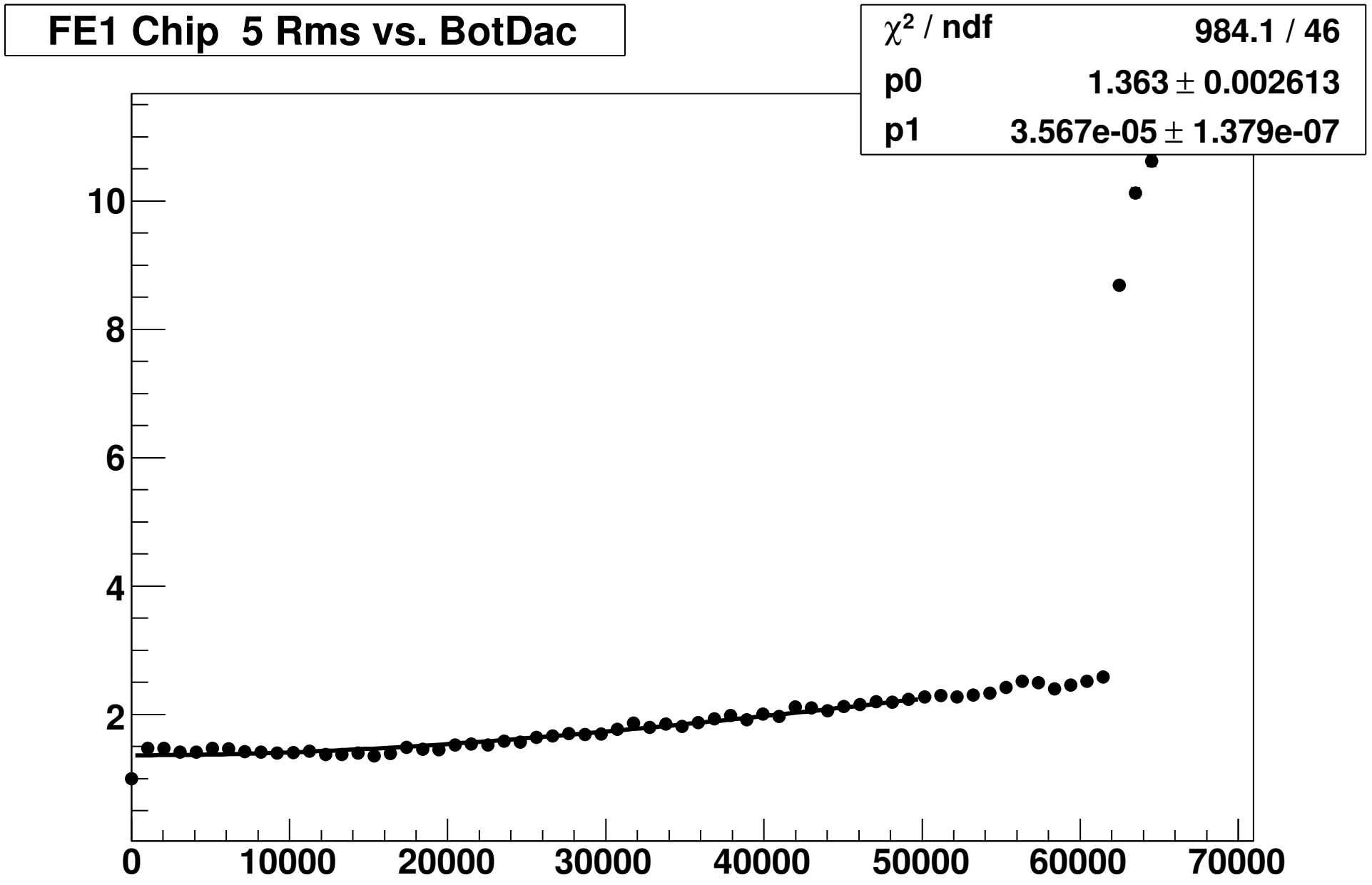
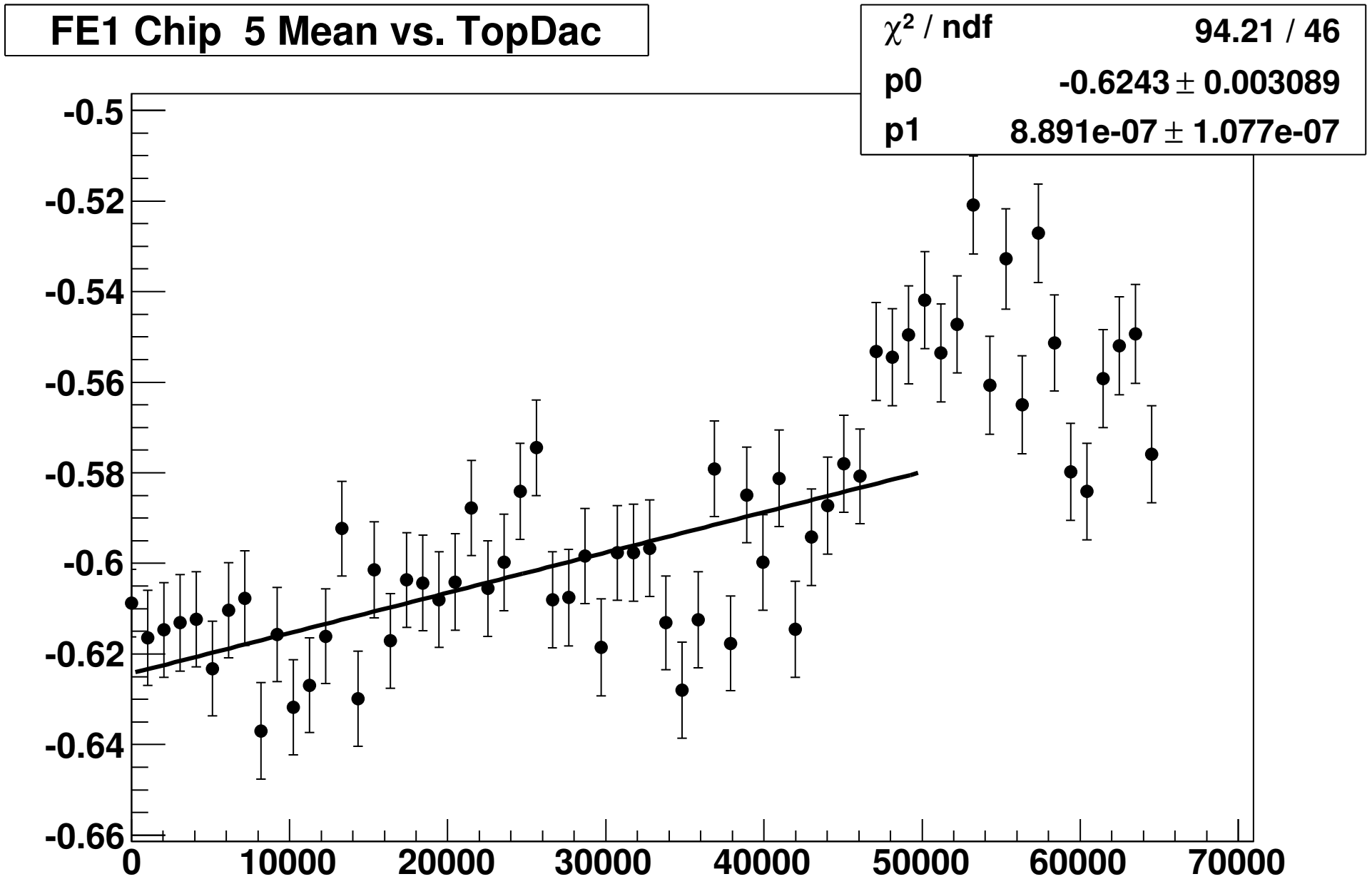
40000
50000
60000
70000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 984.1 / 46
p0 1.363 ± 0.002613
p1 3.567e-05 ± 1.379e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 94.21 / 46
p0 -0.6243 ± 0.003089
p1 8.891e-07 ± 1.077e-07
-0.5
-0.52
-0.54
-0.56
-0.58
-0.6
-0.62
-0.64
-0.66
0
10000
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60000
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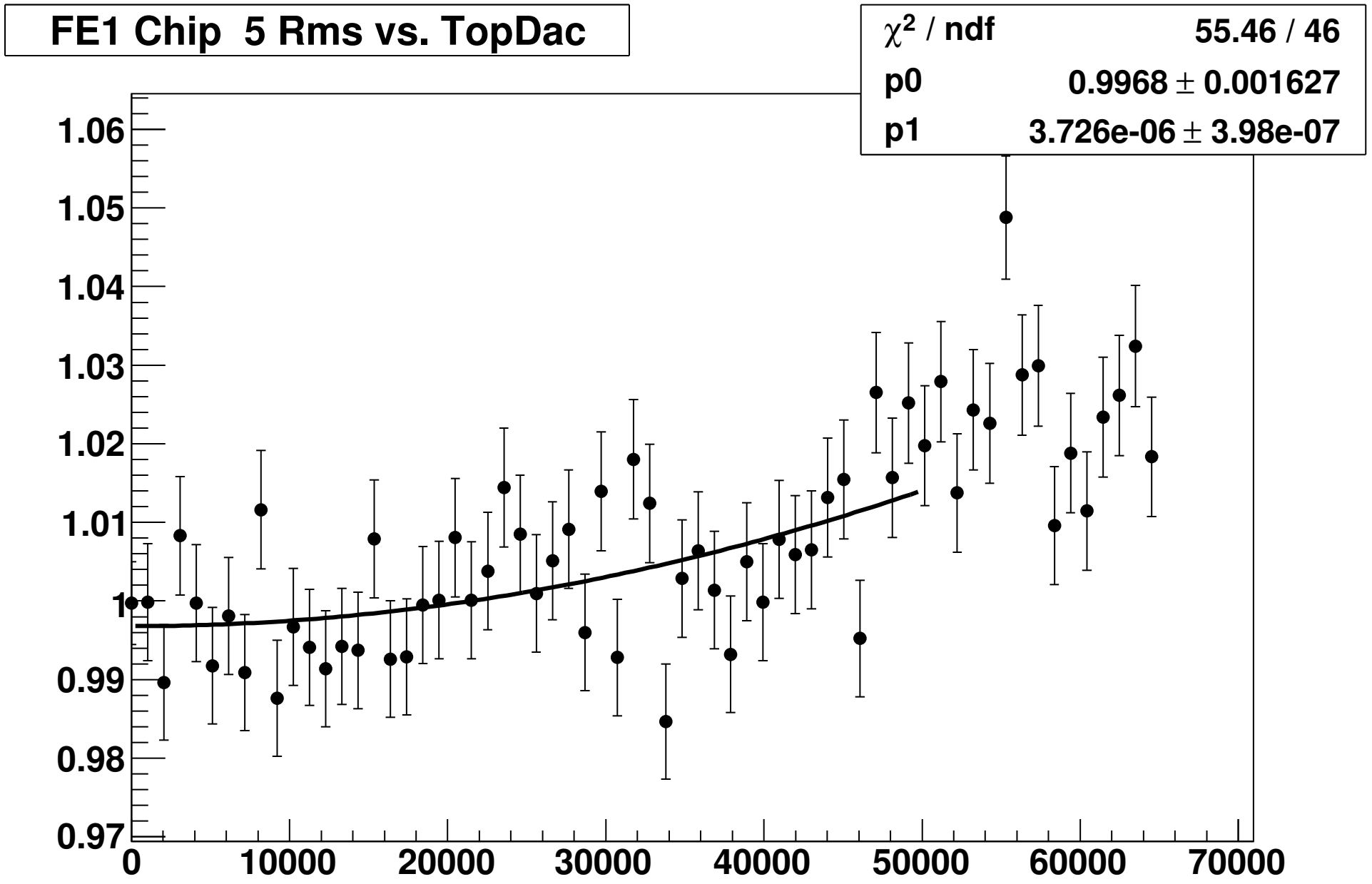
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 55.46 / 46
p0 0.9968 ± 0.001627
p1 3.726e-06 ± 3.98e-07
1.06
1.05
1.04
1.03
1.02
1.01
1
0.99
0.98
0.97
0
10000
20000
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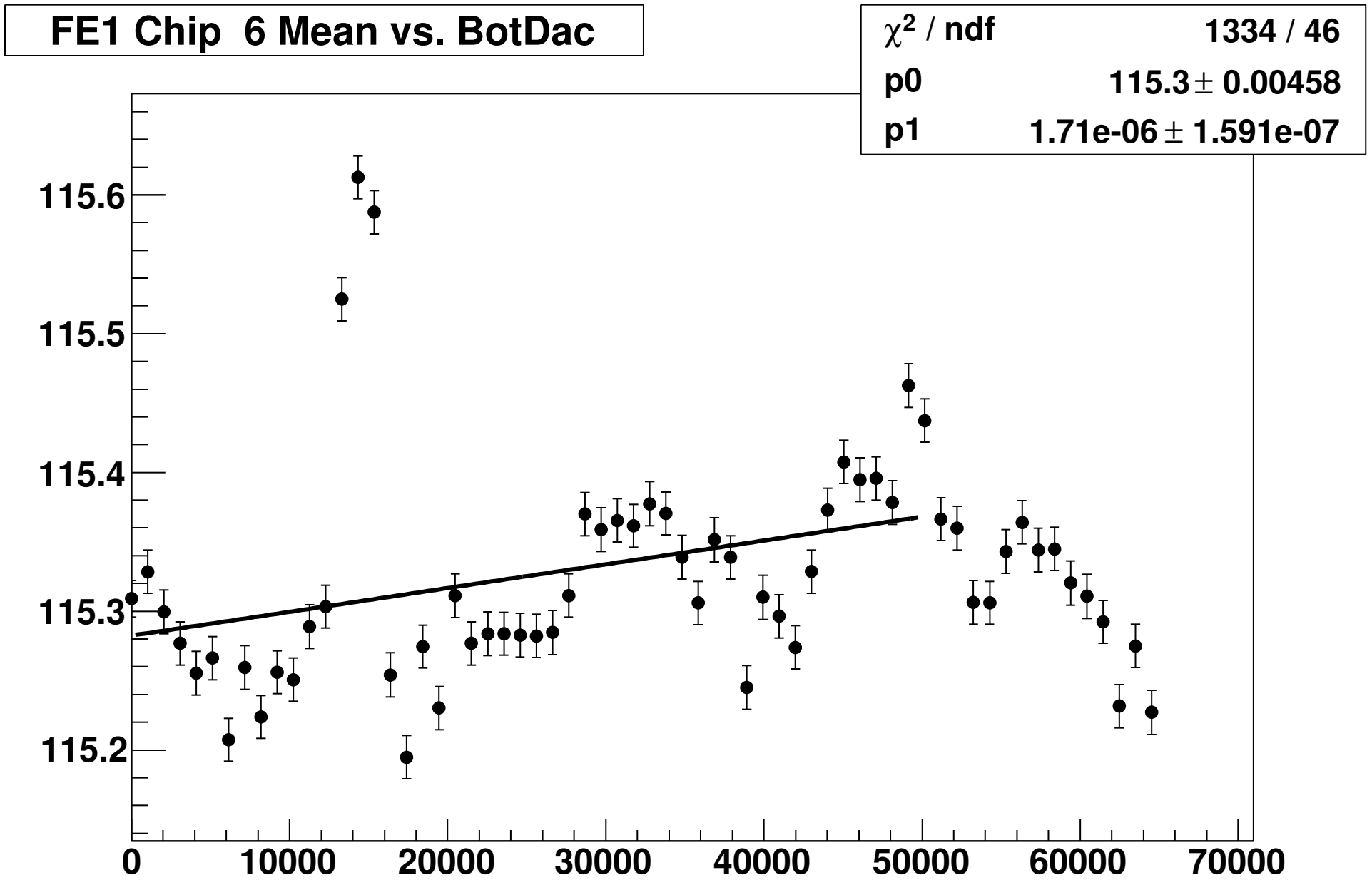
FE1 Chip 6 Mean vs. BotDac
χ² / ndf 1334 / 46
p0 115.3 ± 0.00458
p1 1.71e-06 ± 1.591e-07
115.6
115.5
115.4
115.3
115.2
0
10000
20000
30000
40000
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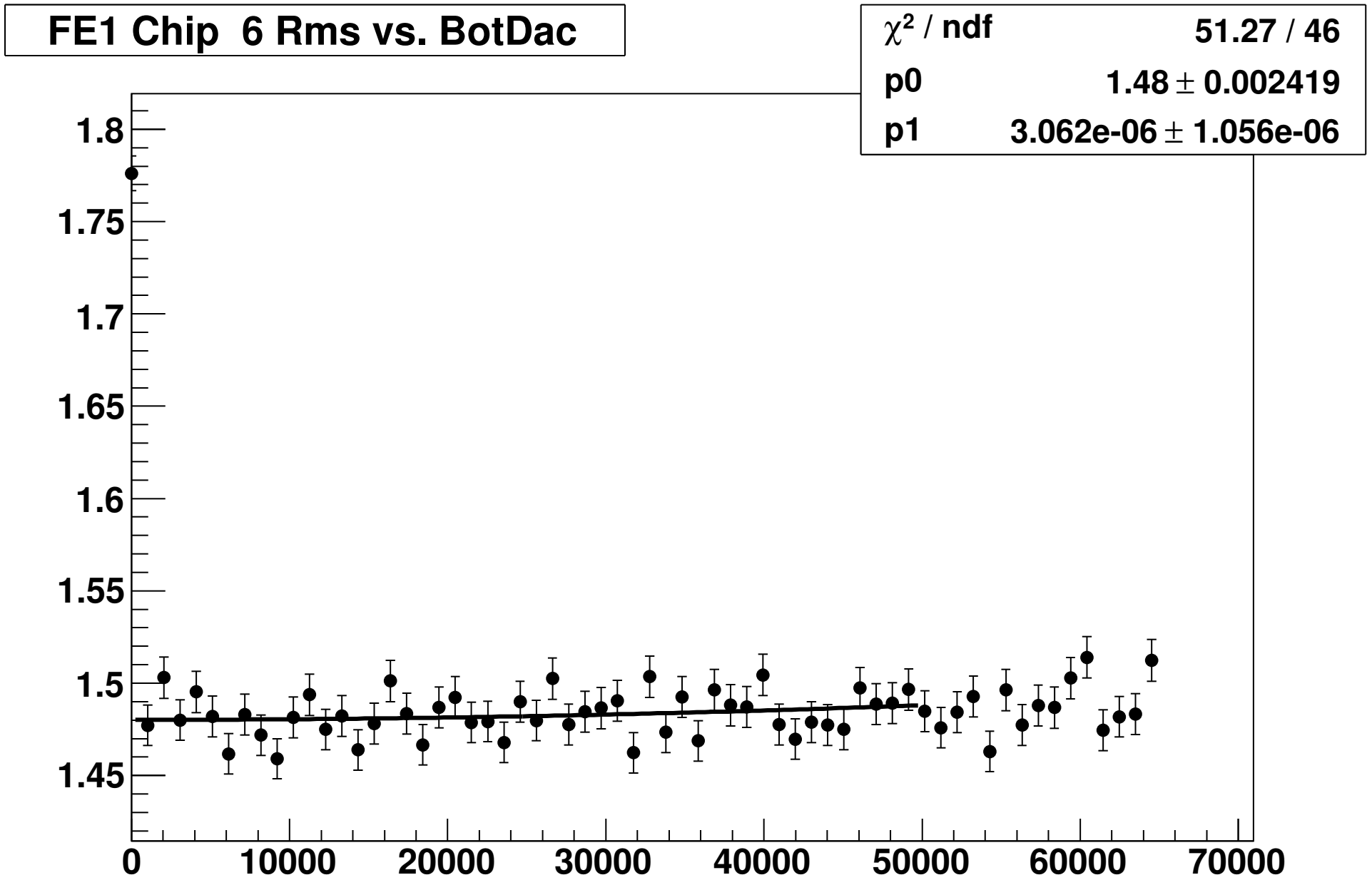
60000
70000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 51.27 / 46
p0 1.48 ± 0.002419
p1 3.062e-06 ± 1.056e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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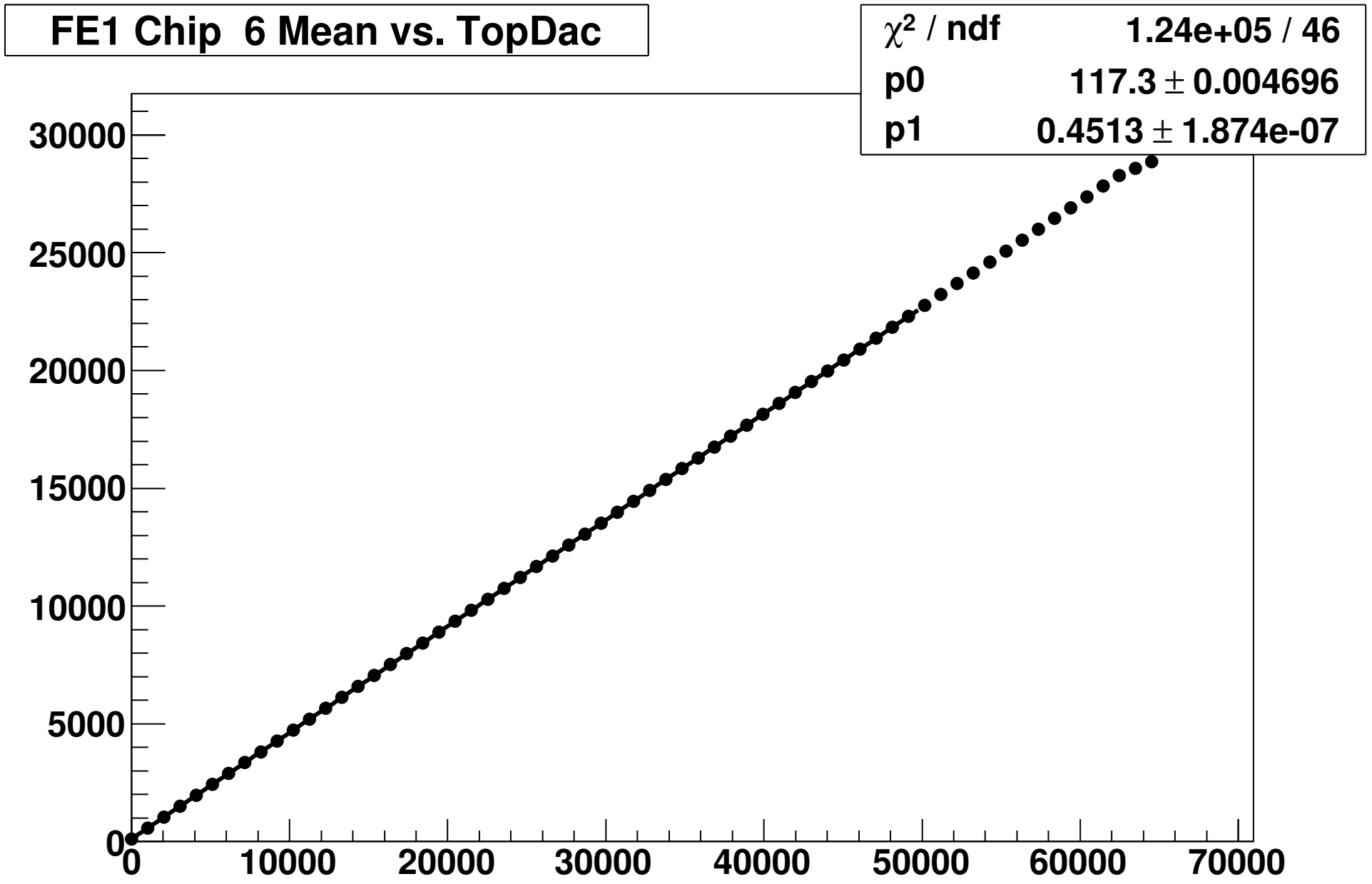
FE1 Chip 6 Mean vs. TopDac
χ² / ndf 1.24e+05 / 46
p0 117.3 ± 0.004696
p1 0.4513 ± 1.874e-07
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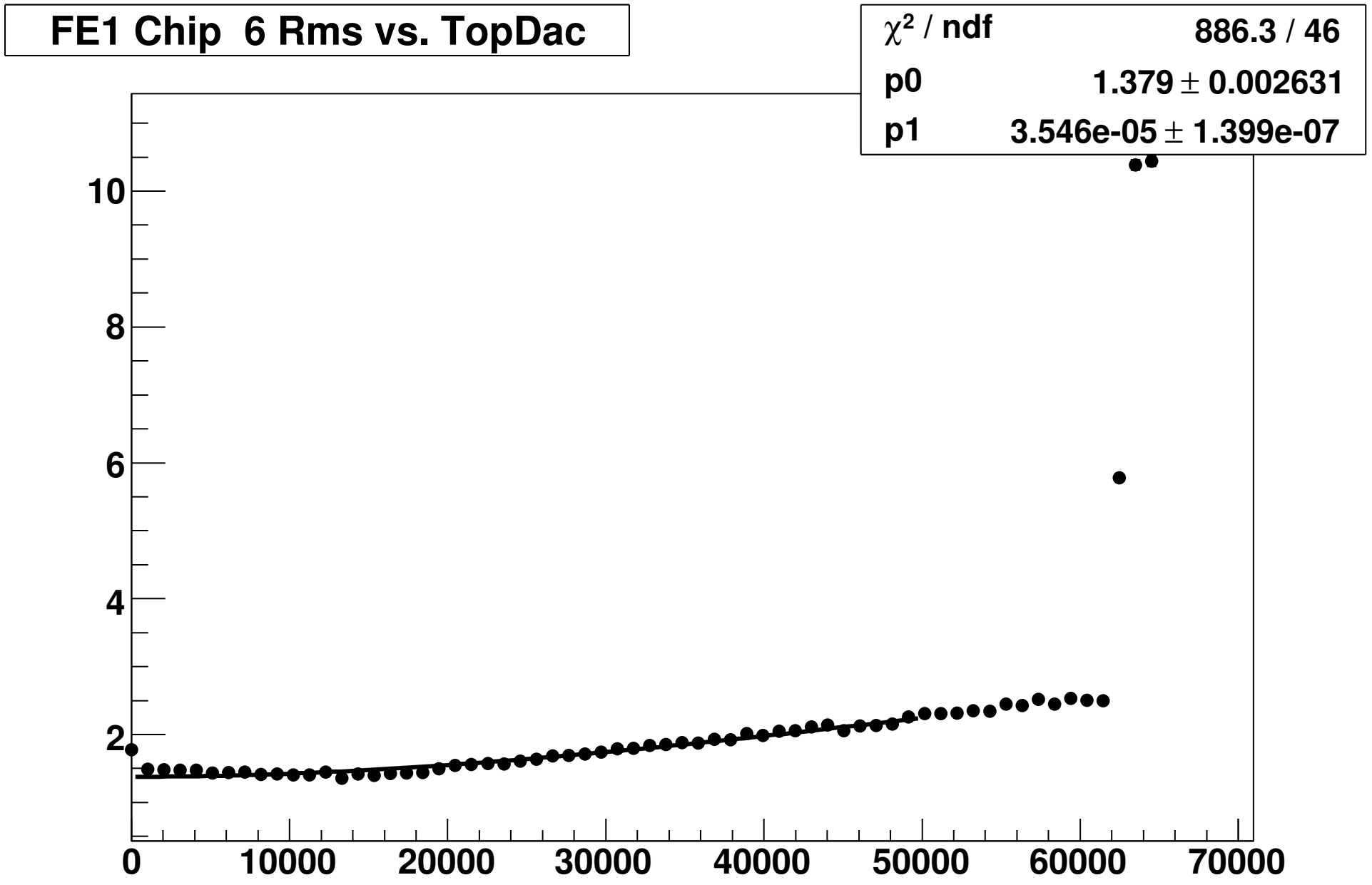
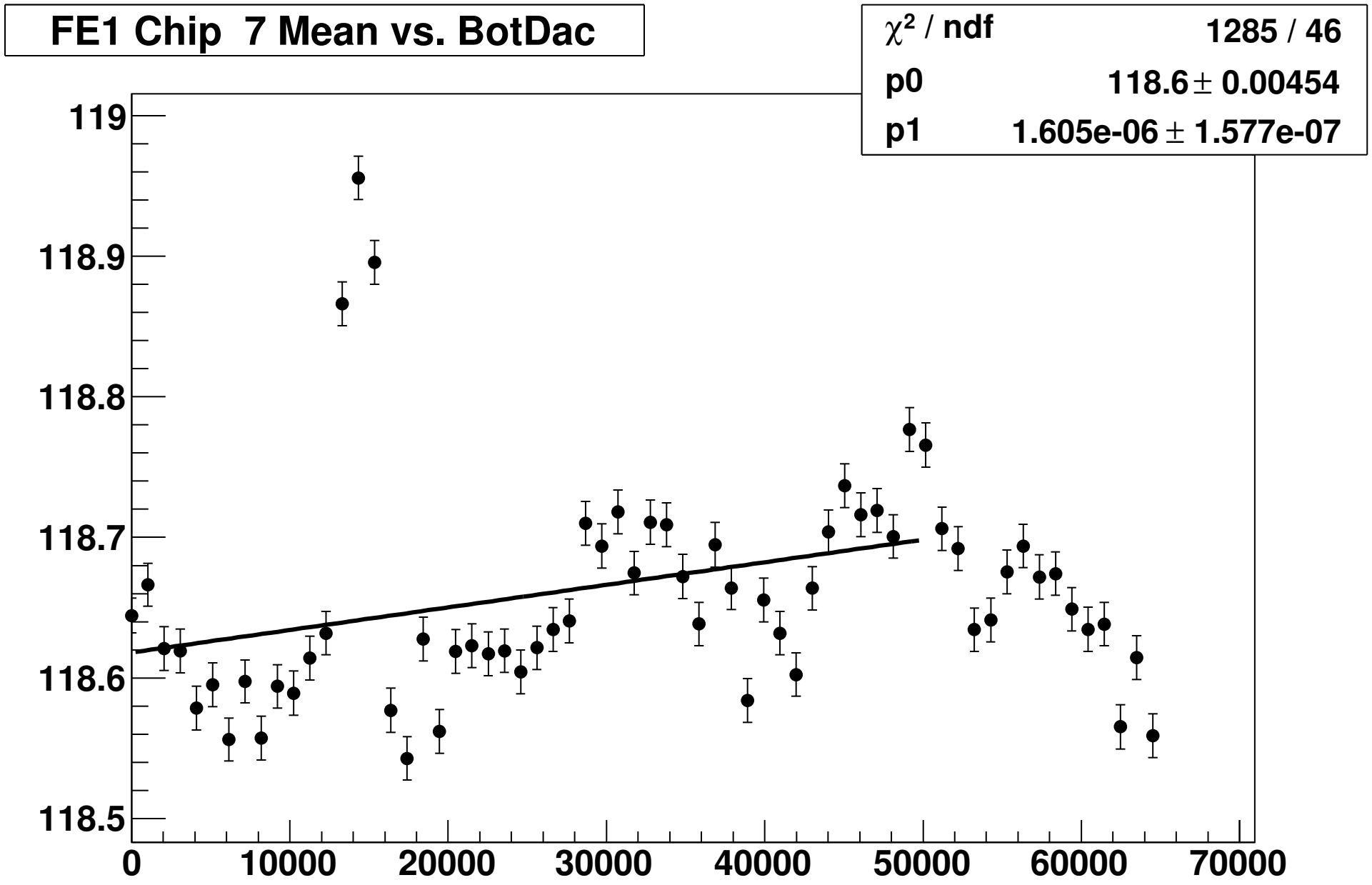
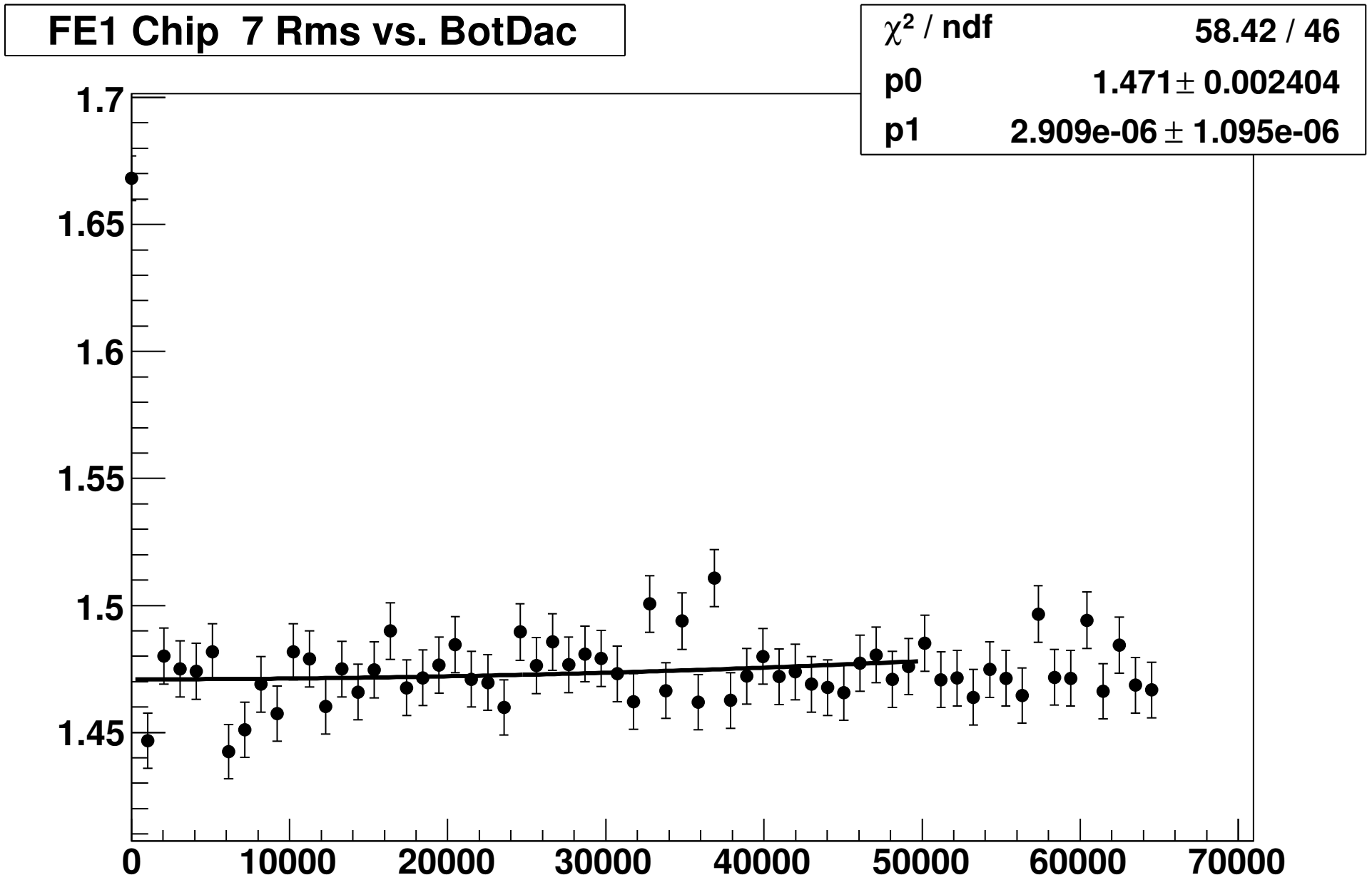
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 6 Rms vs. TopDac
χ² / ndf 886.3 / 46
p0 1.379 ± 0.002631
p1 3.546e-05 ± 1.399e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Mean vs. BotDac
χ² / ndf 1285 / 46
p0 118.6 ± 0.00454
p1 1.605e-06 ± 1.577e-07
119
118.9
118.8
118.7
118.6
118.5
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 7 Rms vs. BotDac
χ² / ndf 58.42 / 46
p0 1.471 ± 0.002404
p1 2.909e-06 ± 1.095e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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60000
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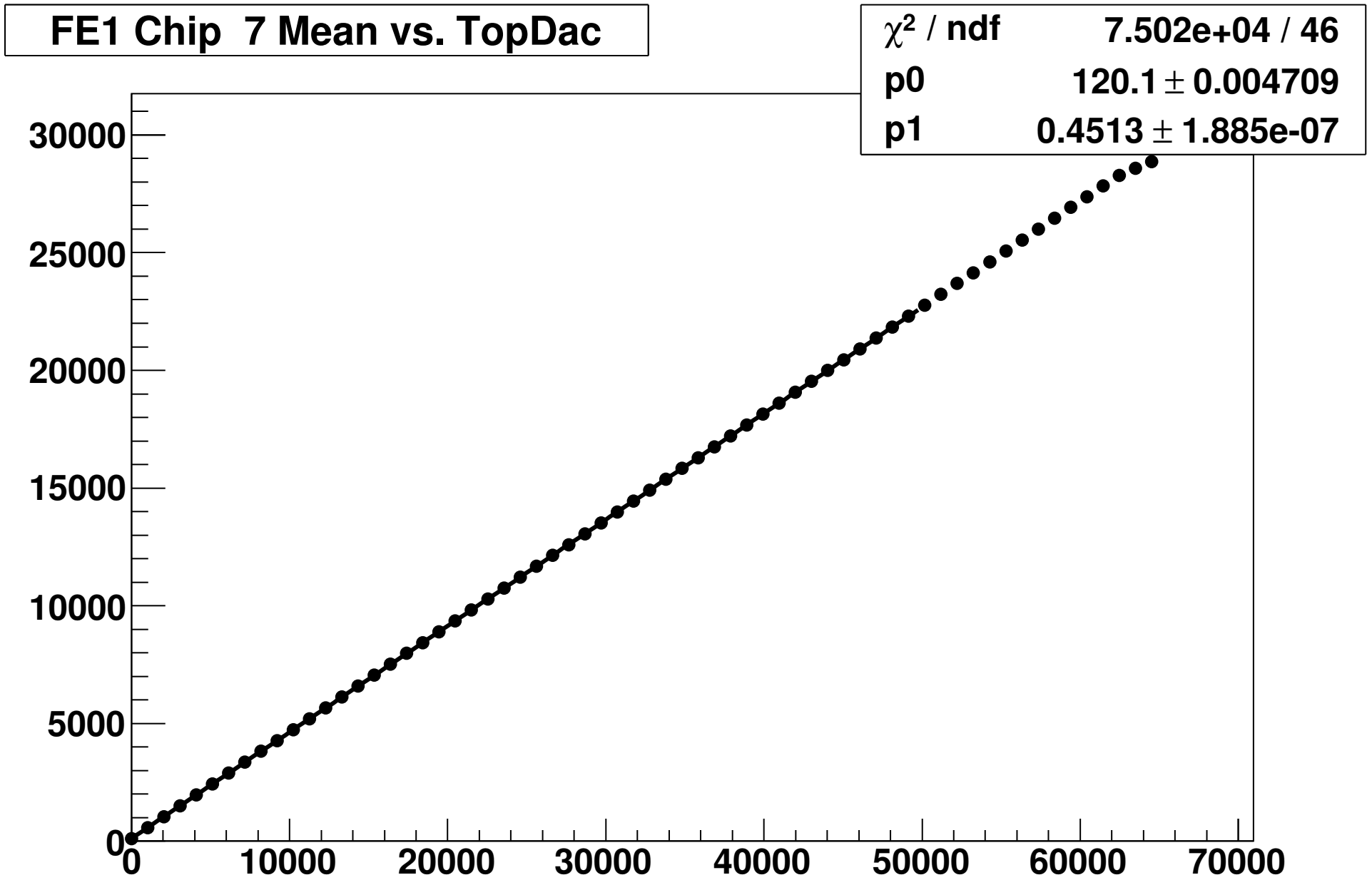
FE1 Chip 7 Mean vs. TopDac
χ² / ndf 7.502e+04 / 46
p0 120.1 ± 0.004709
p1 0.4513 ± 1.885e-07
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25000
20000
15000
10000
5000
0
0
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20000
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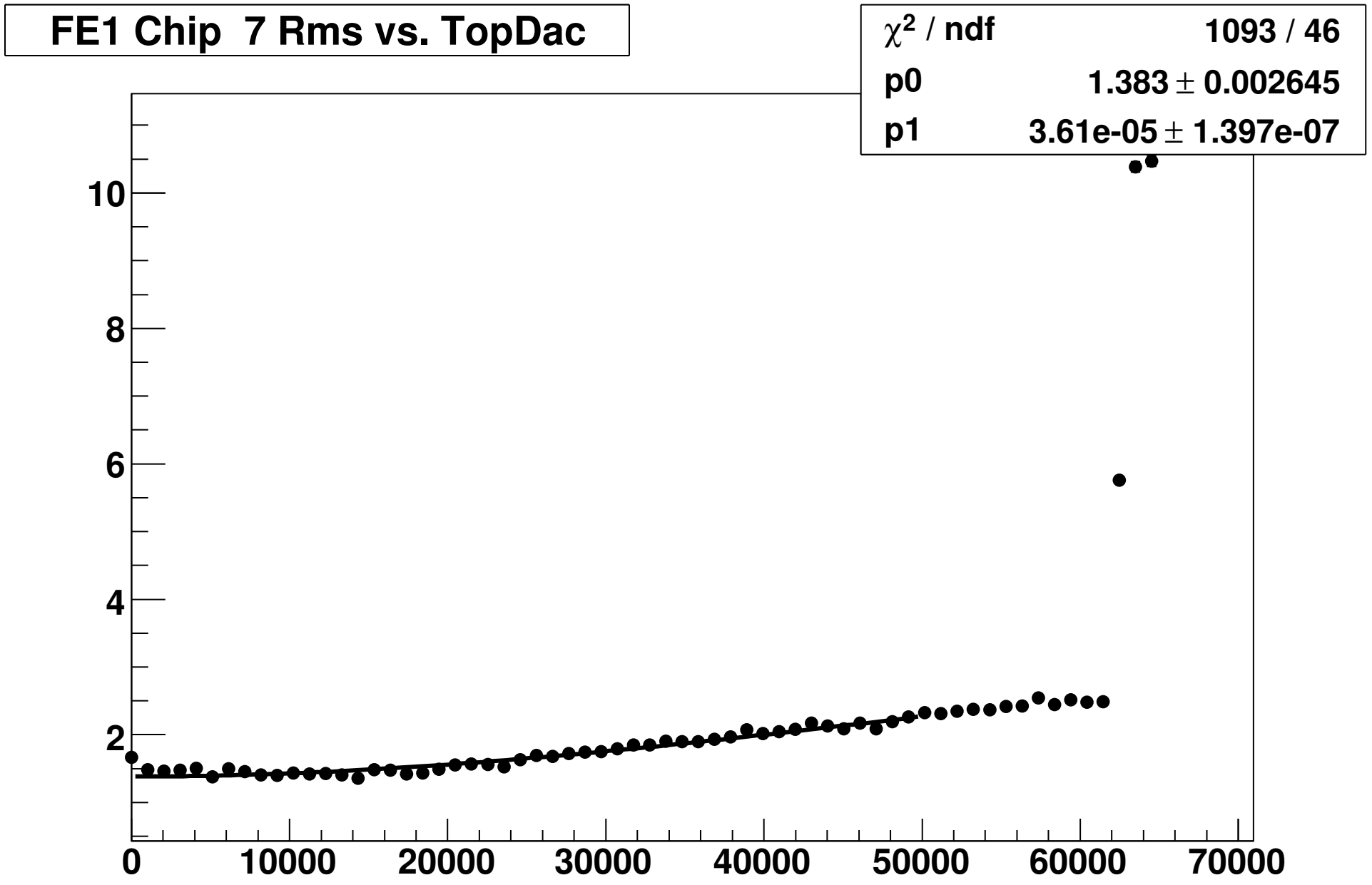
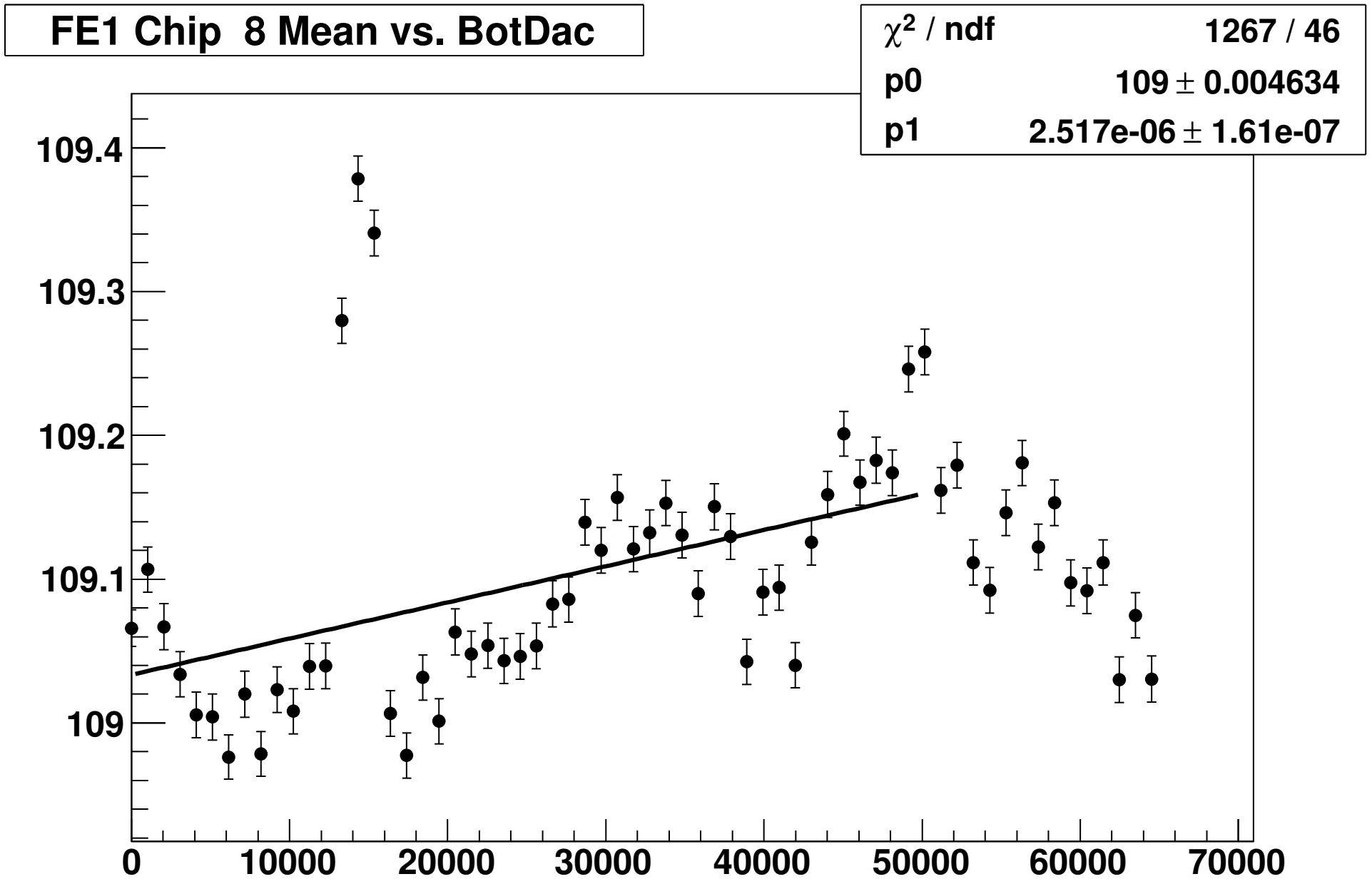
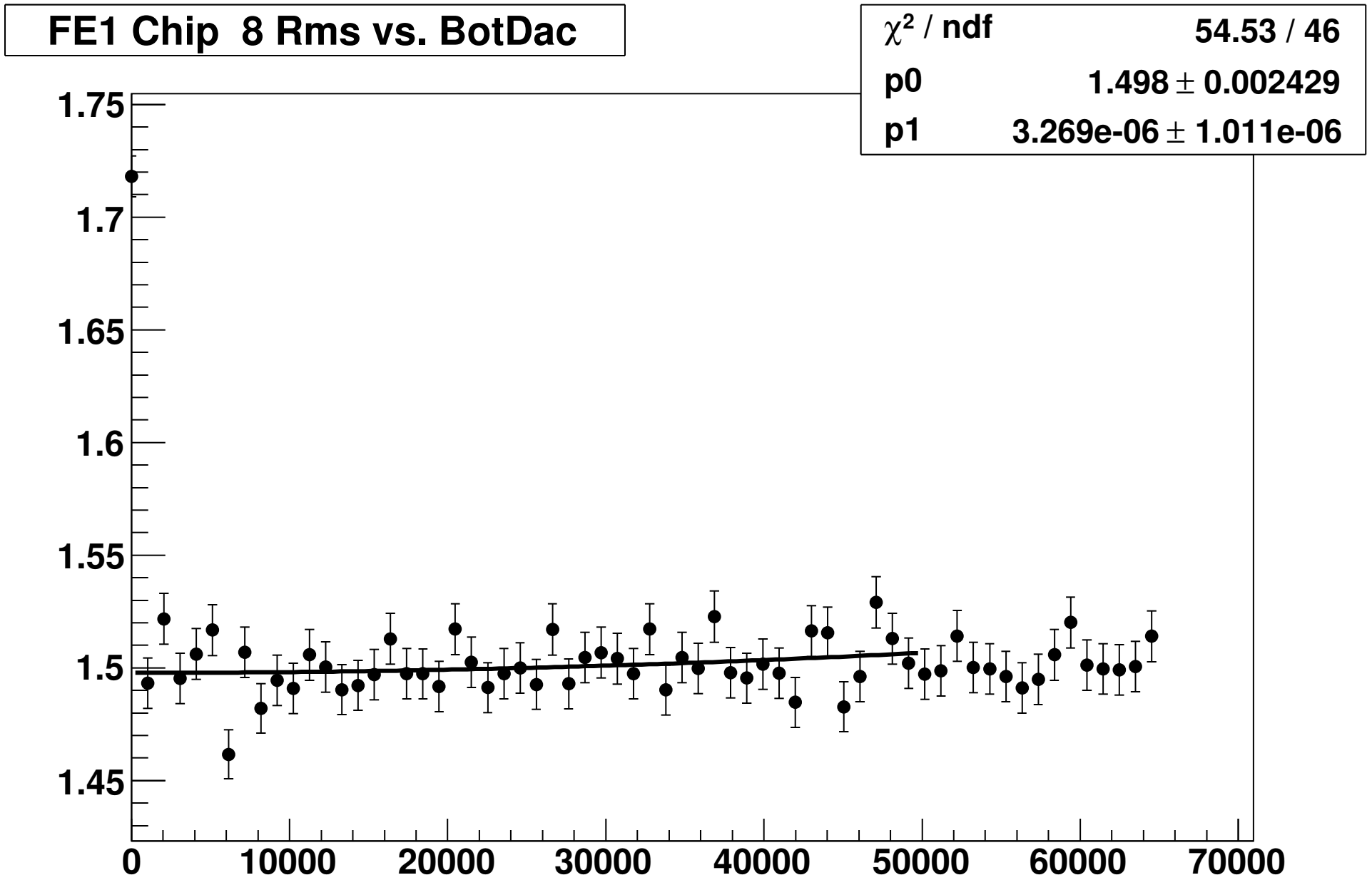

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 1093 / 46
p0 1.383 ± 0.002645
p1 3.61e-05 ± 1.397e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Mean vs. BotDac
χ² / ndf 1267 / 46
p0 109 ± 0.004634
p1 2.517e-06 ± 1.61e-07
109.4
109.3
109.2
109.1
109
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 8 Rms vs. BotDac
χ² / ndf 54.53 / 46
p0 1.498 ± 0.002429
p1 3.269e-06 ± 1.011e-06
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
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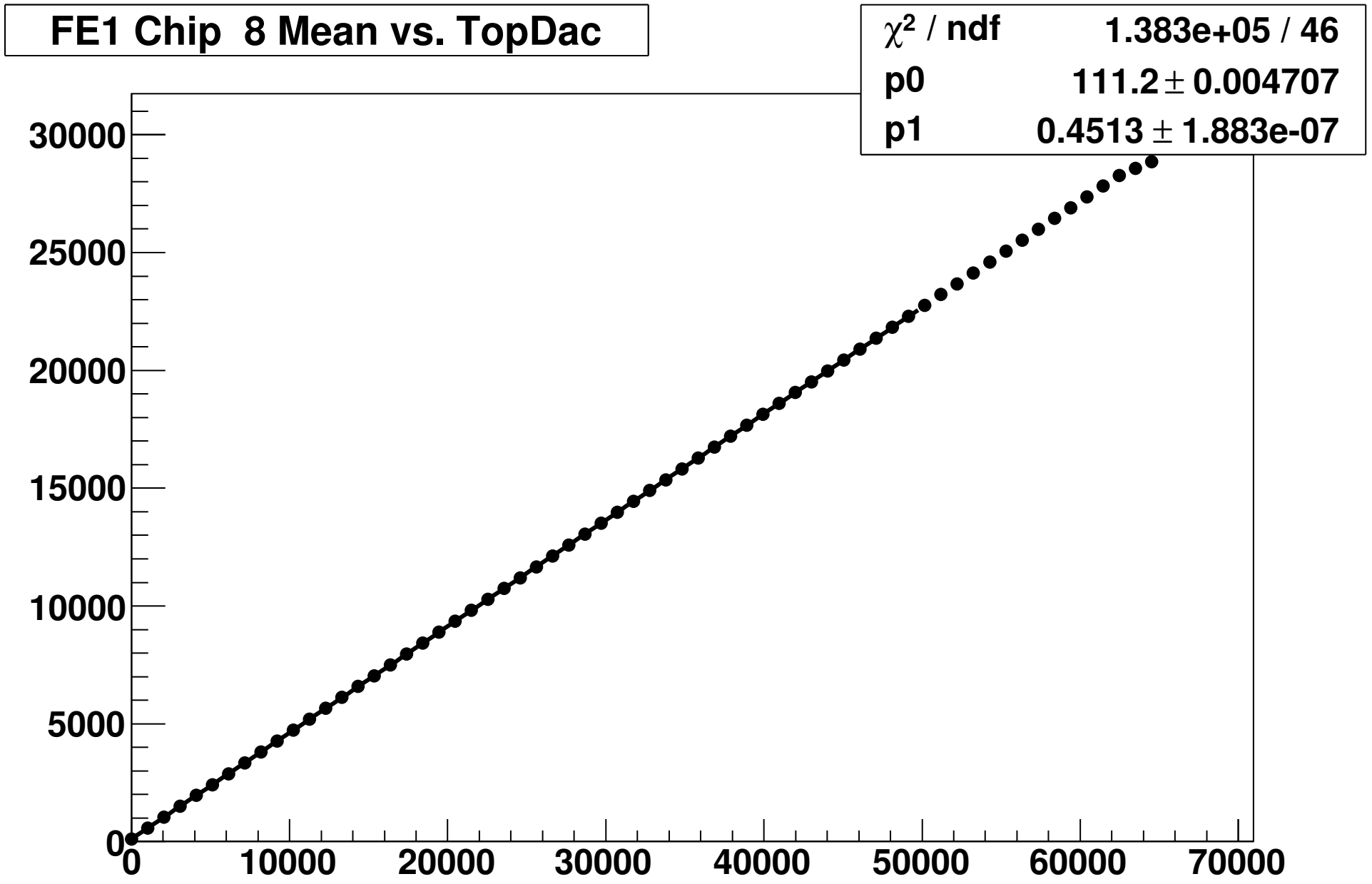
FE1 Chip 8 Mean vs. TopDac
χ² / ndf 1.383e+05 / 46
p0 111.2 ± 0.004707
p1 0.4513 ± 1.883e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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40000
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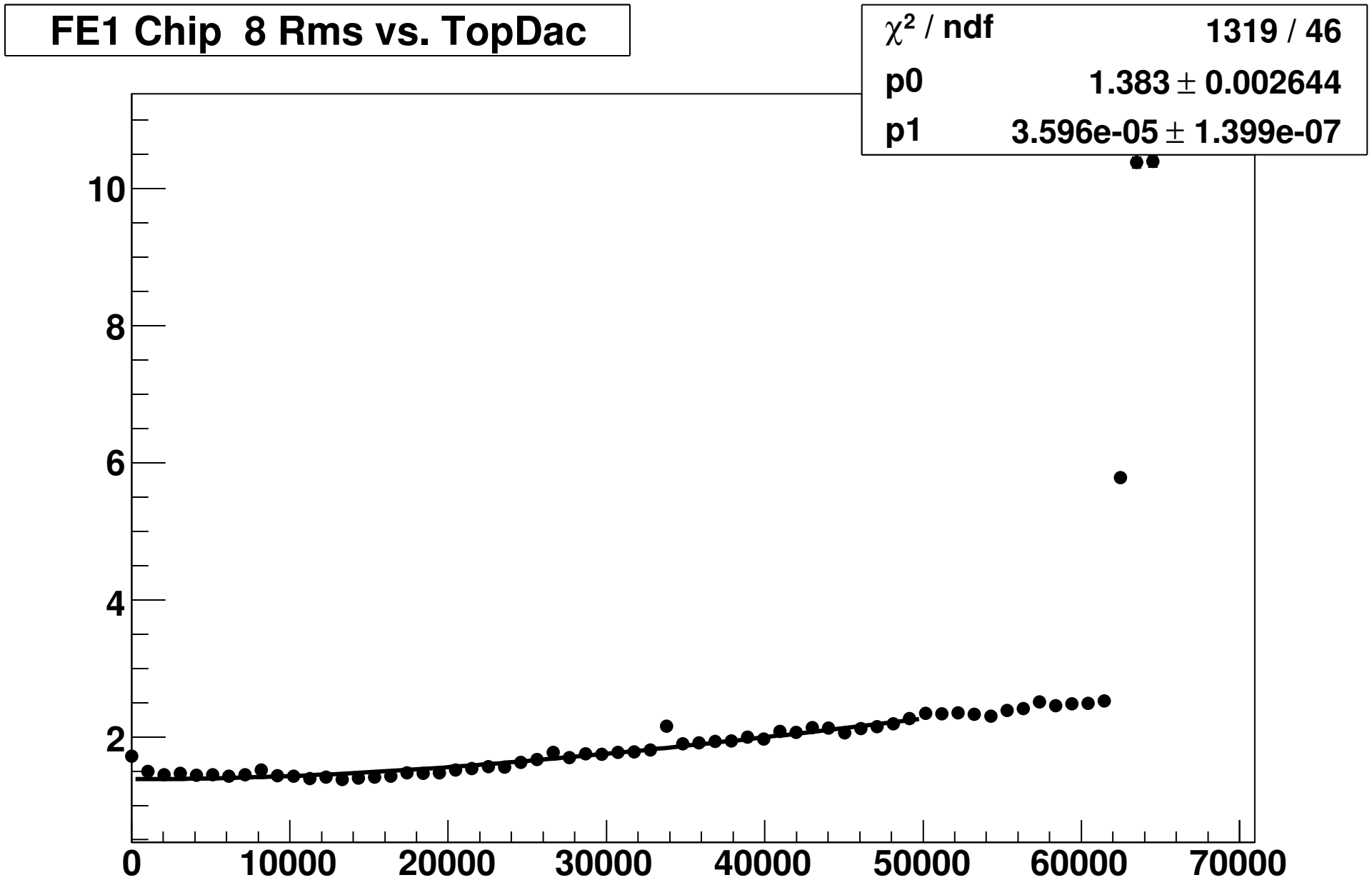
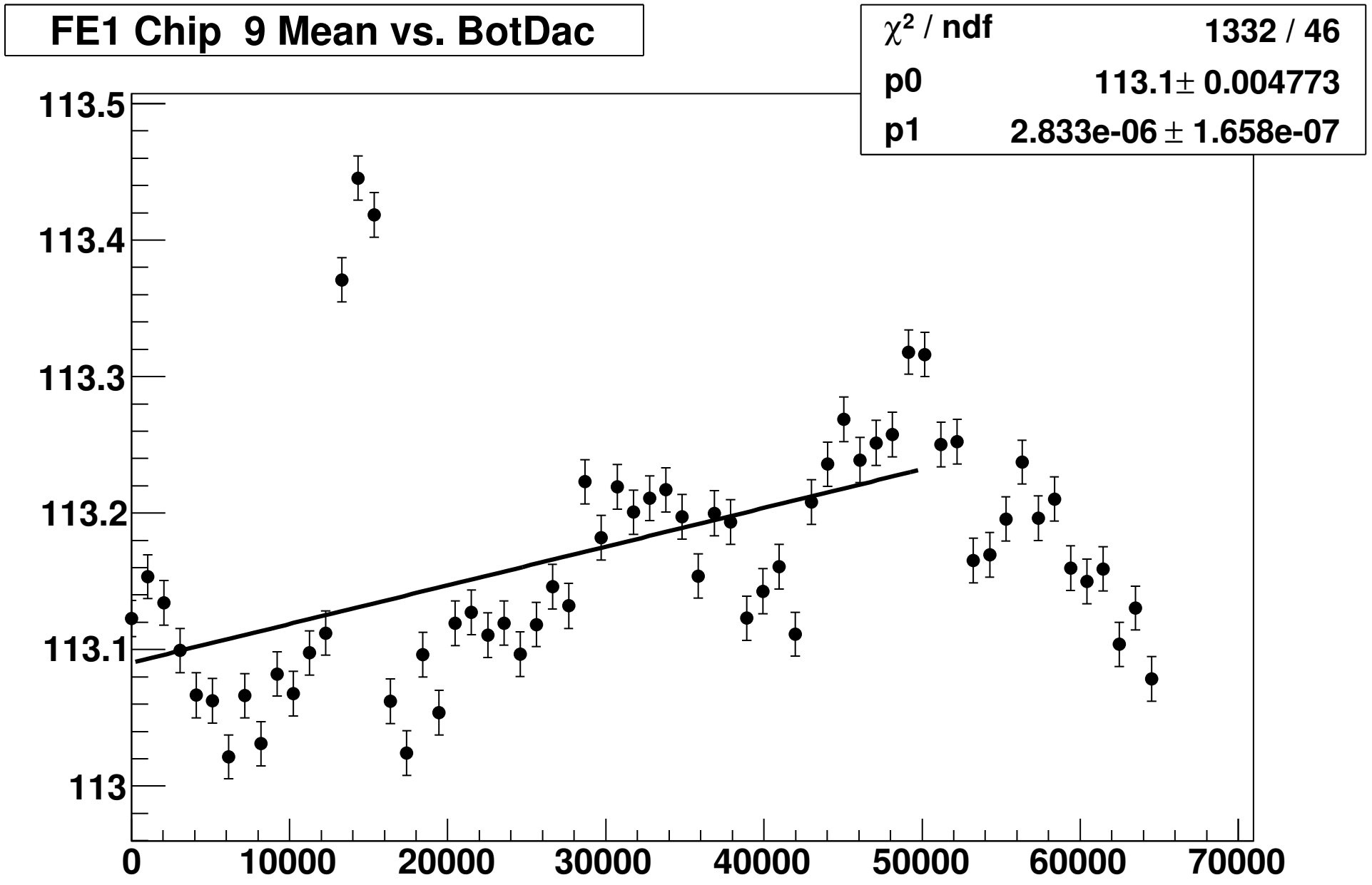
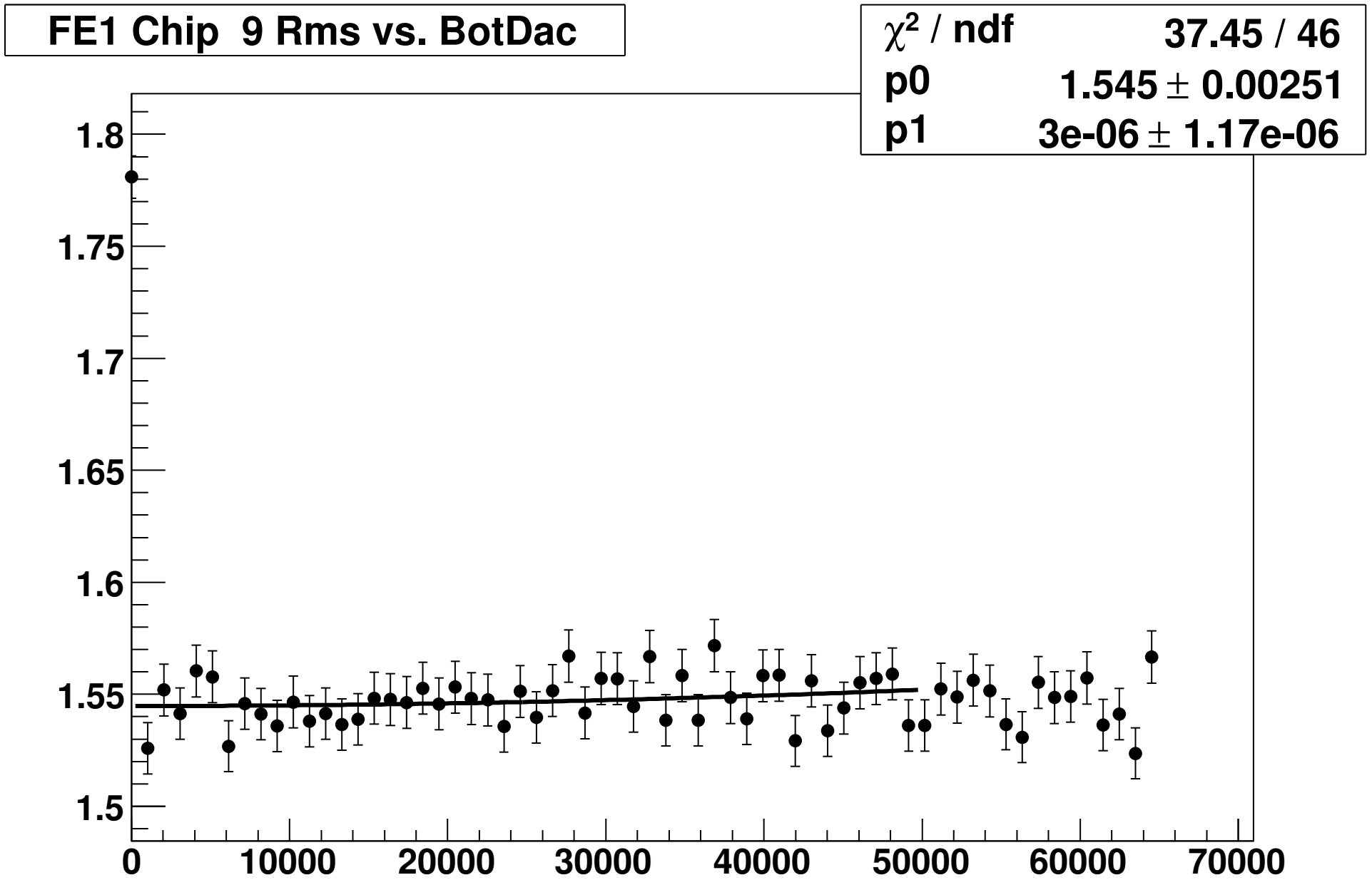
70000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 1319 / 46
p0 1.383 ± 0.002644
p1 3.596e-05 ± 1.399e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 1332 / 46
p0 113.1 ± 0.004773
p1 2.833e-06 ± 1.658e-07
113.5
113.4
113.3
113.2
113.1
113
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 37.45 / 46
p0 1.545 ± 0.00251
p1 3e-06 ± 1.17e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
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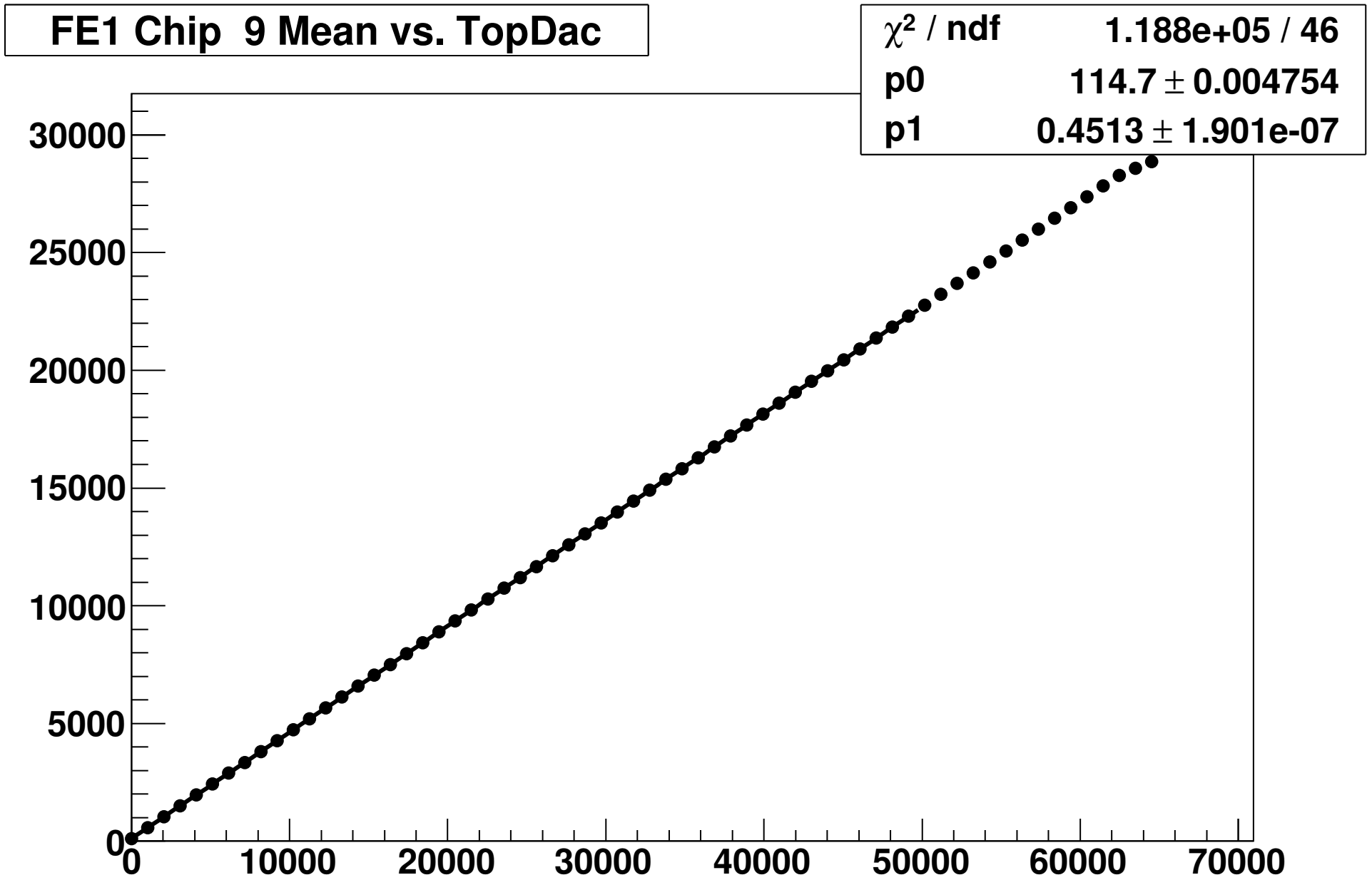
50000
60000
70000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 1.188e+05 / 46
p0 114.7 ± 0.004754
p1 0.4513 ± 1.901e-07
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25000
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15000
10000
5000
0
0
10000
20000
30000
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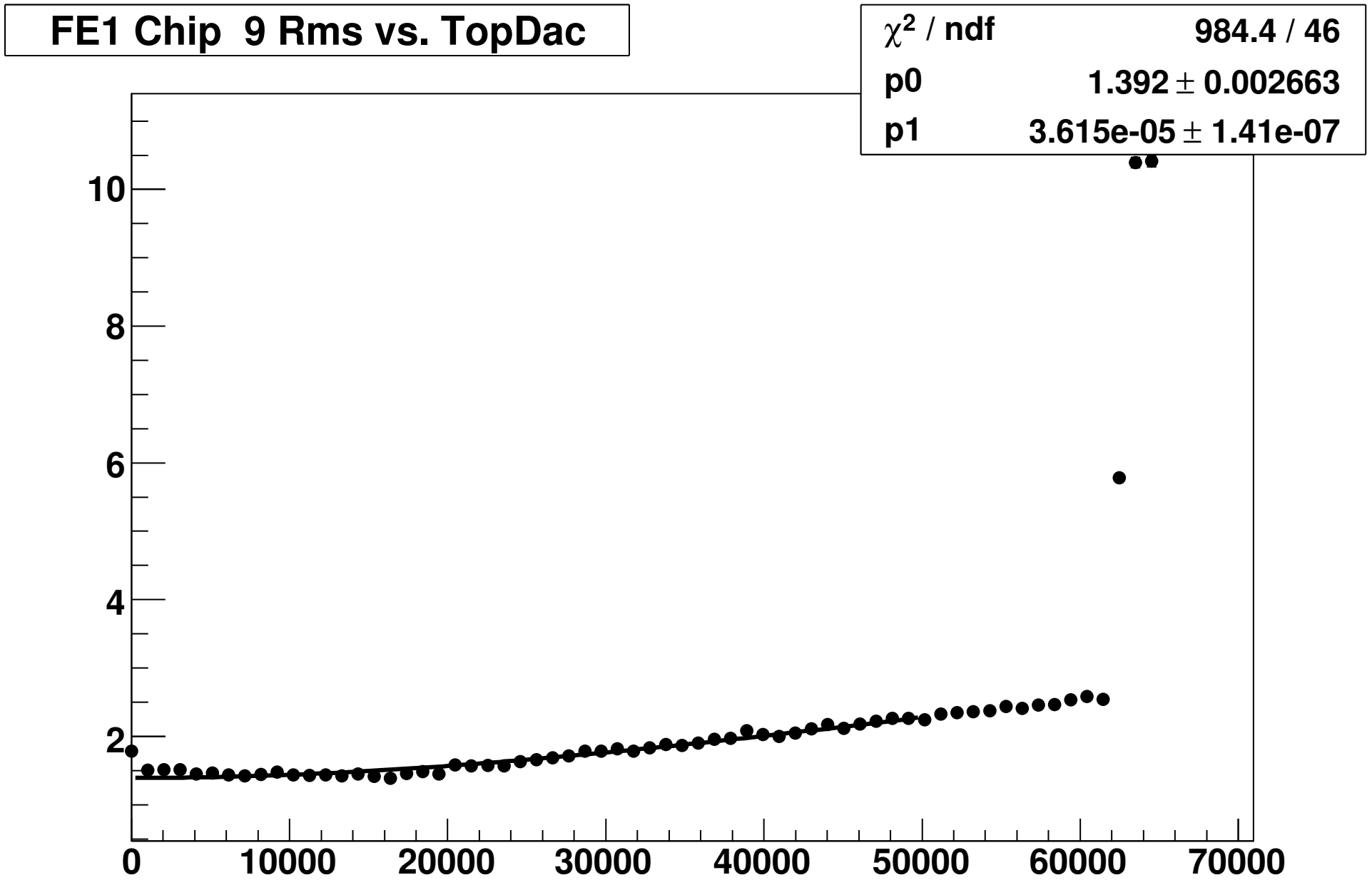
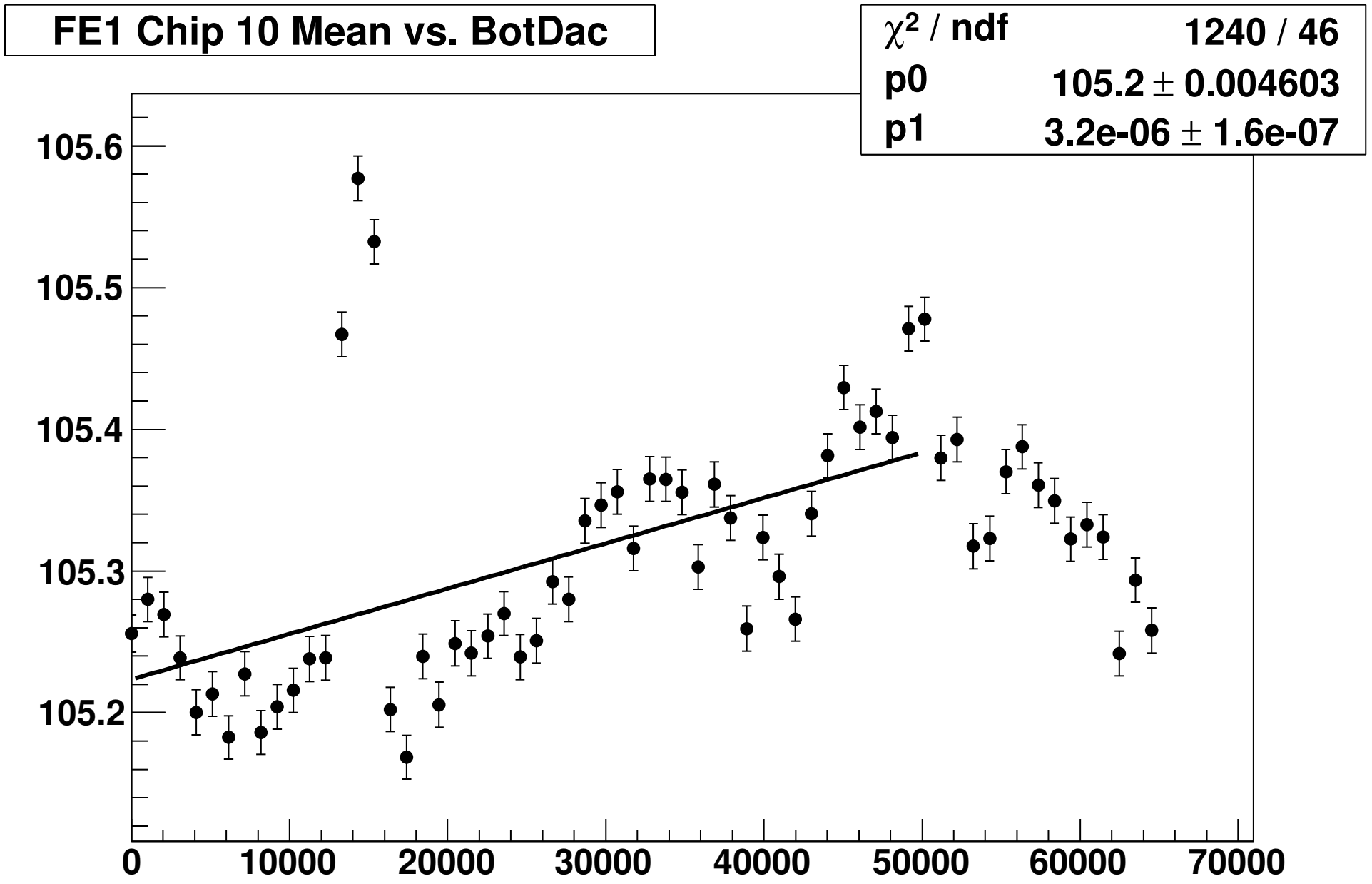
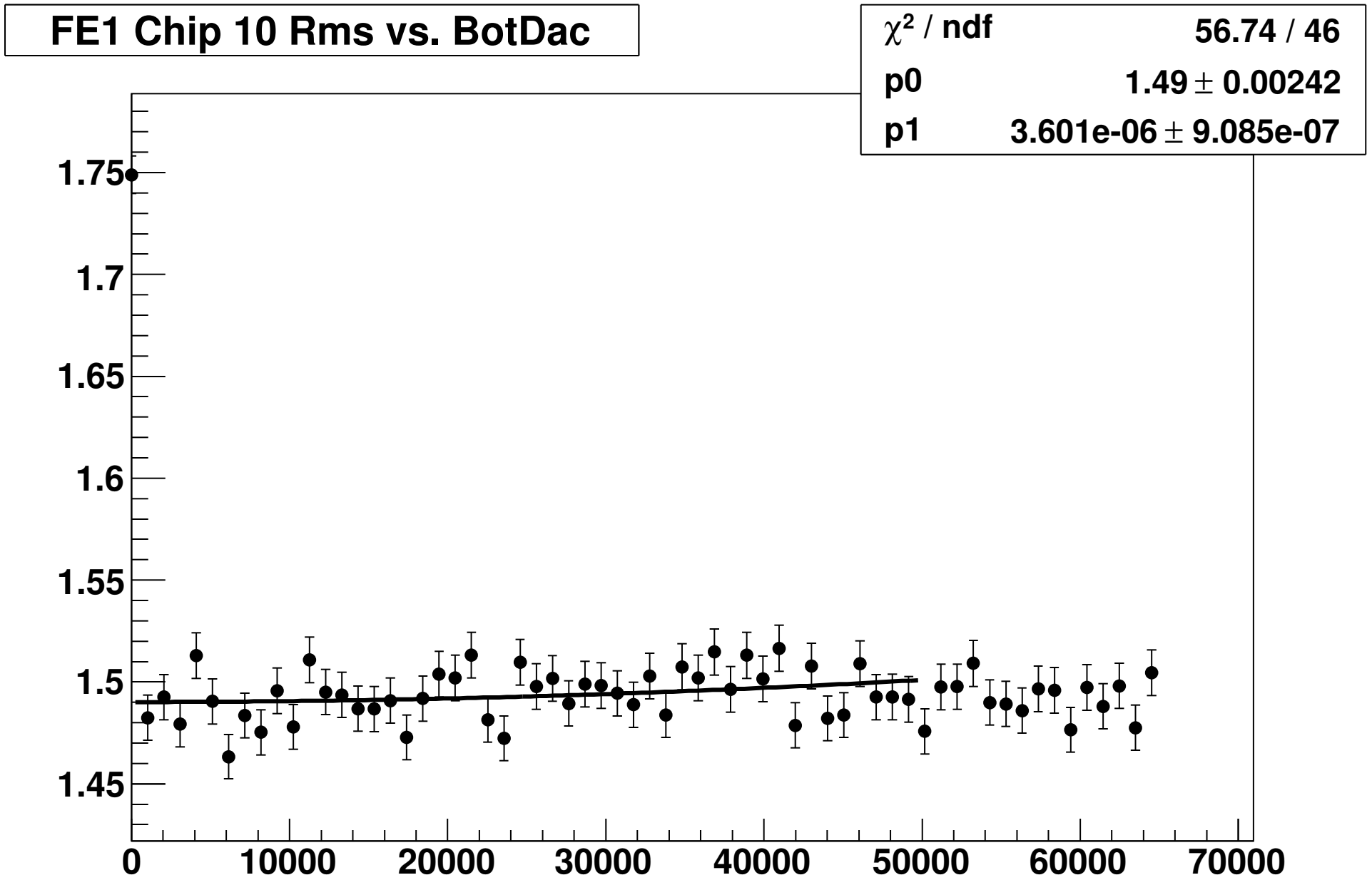

FE1 Chip 9 Rms vs. TopDac
χ² / ndf 984.4 / 46
p0 1.392 ± 0.002663
p1 3.615e-05 ± 1.41e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 1240 / 46
p0 105.2 ± 0.004603
p1 3.2e-06 ± 1.6e-07
105.6
105.5
105.4
105.3
105.2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 56.74 / 46
p0 1.49 ± 0.00242
p1 3.601e-06 ± 9.085e-07
1.75
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
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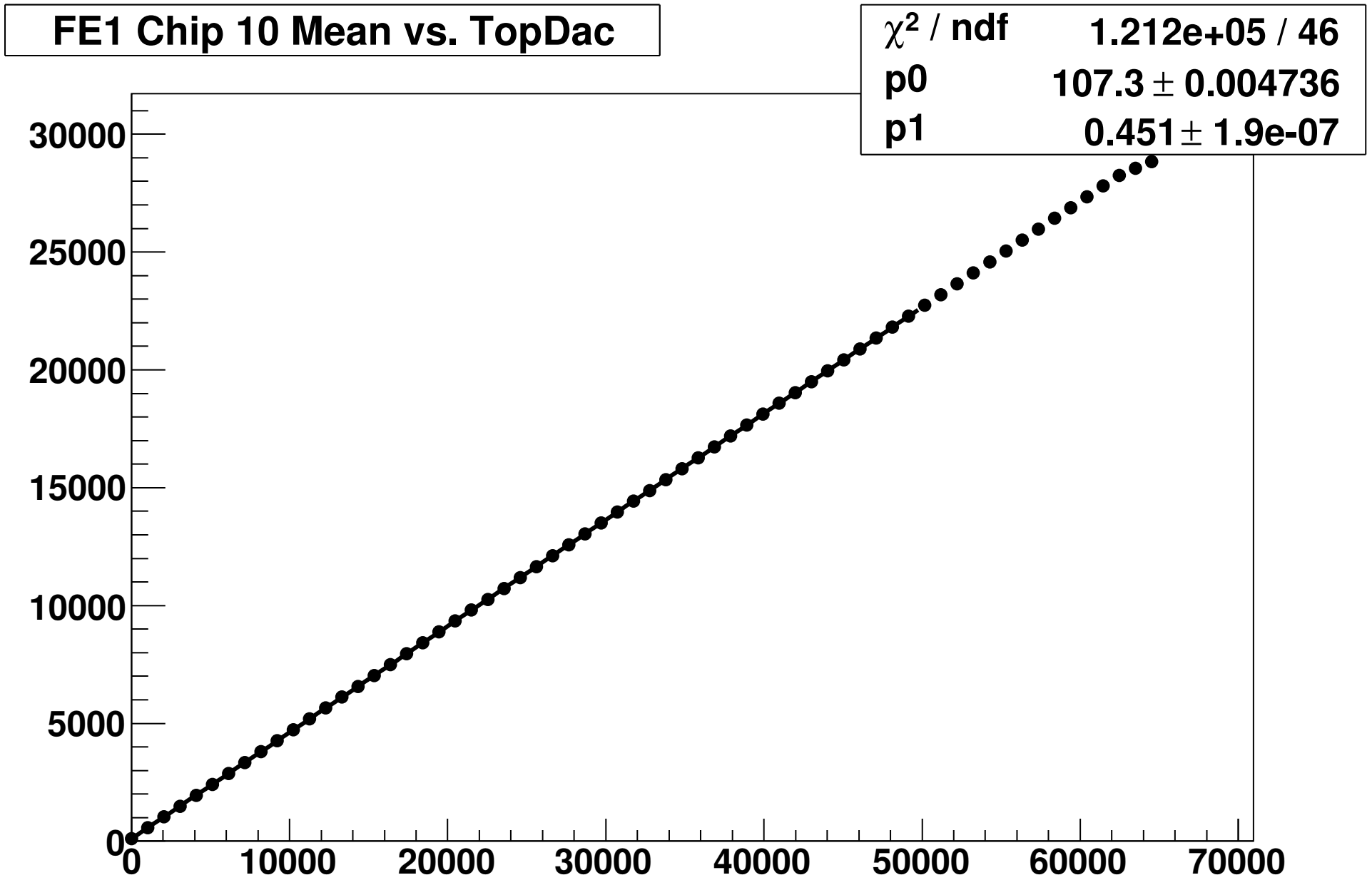
FE1 Chip 10 Mean vs. TopDac
χ² / ndf 1.212e+05 / 46
p0 107.3 ± 0.004736
p1 0.451 ± 1.9e-07
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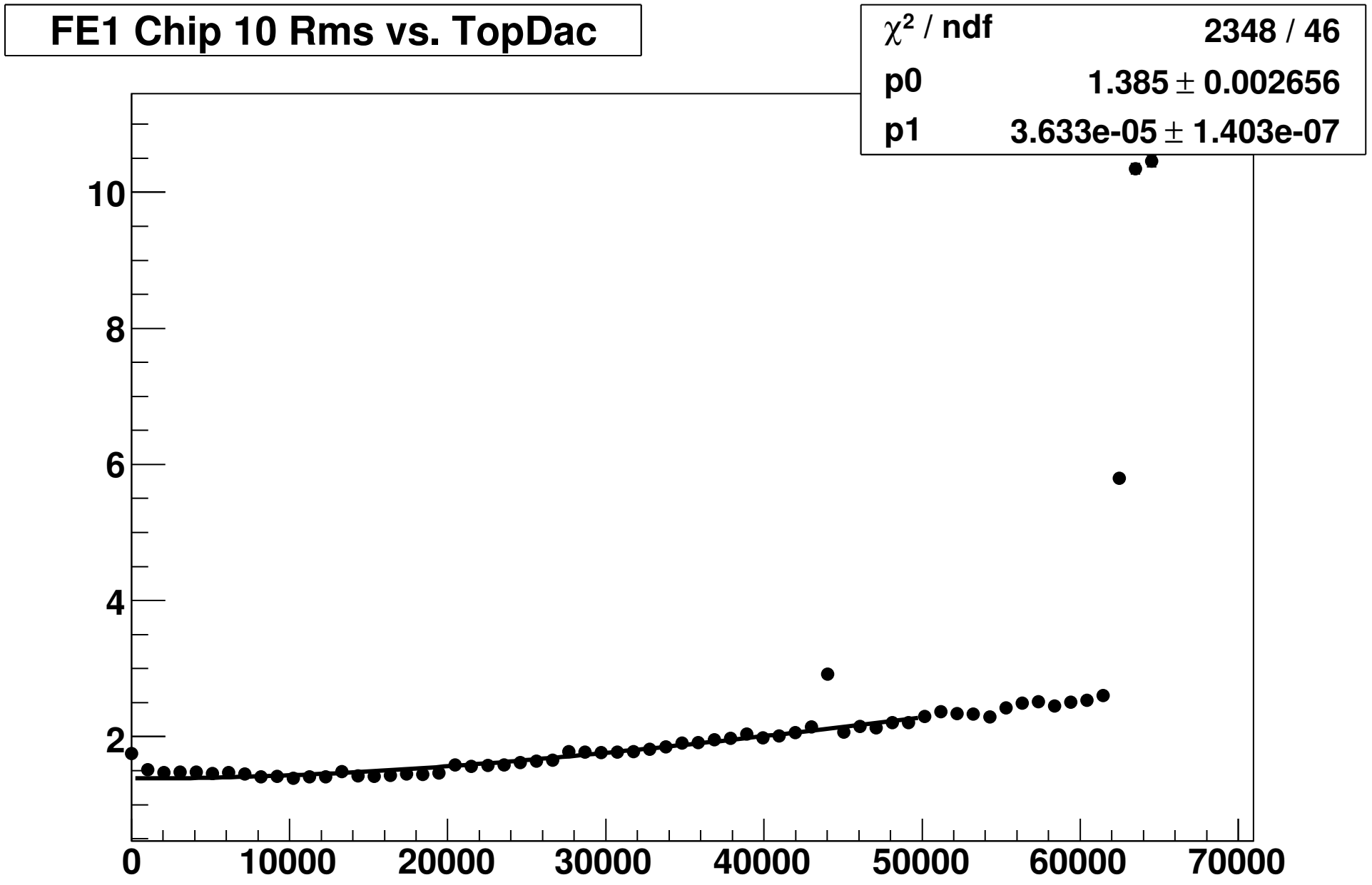
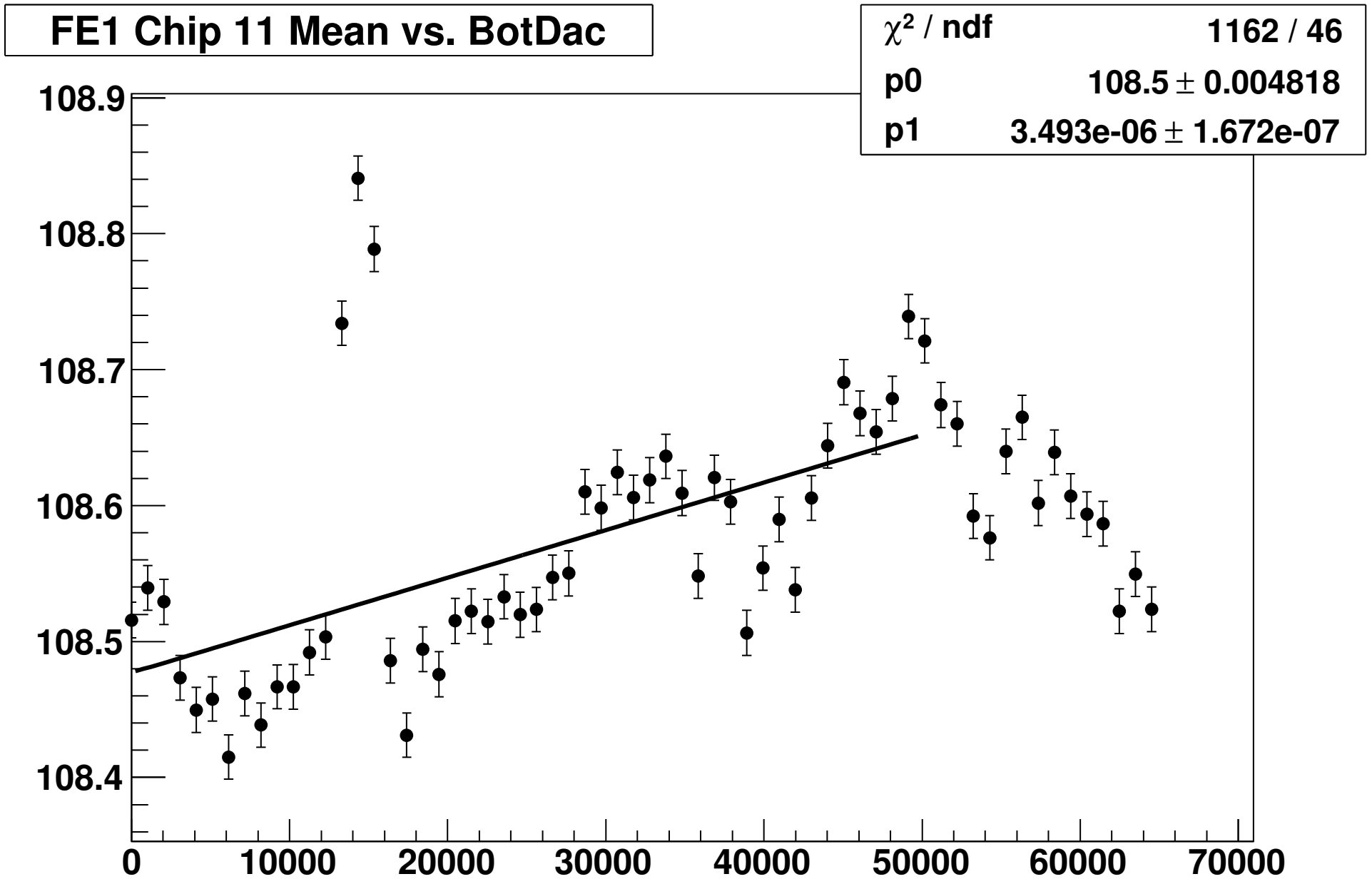
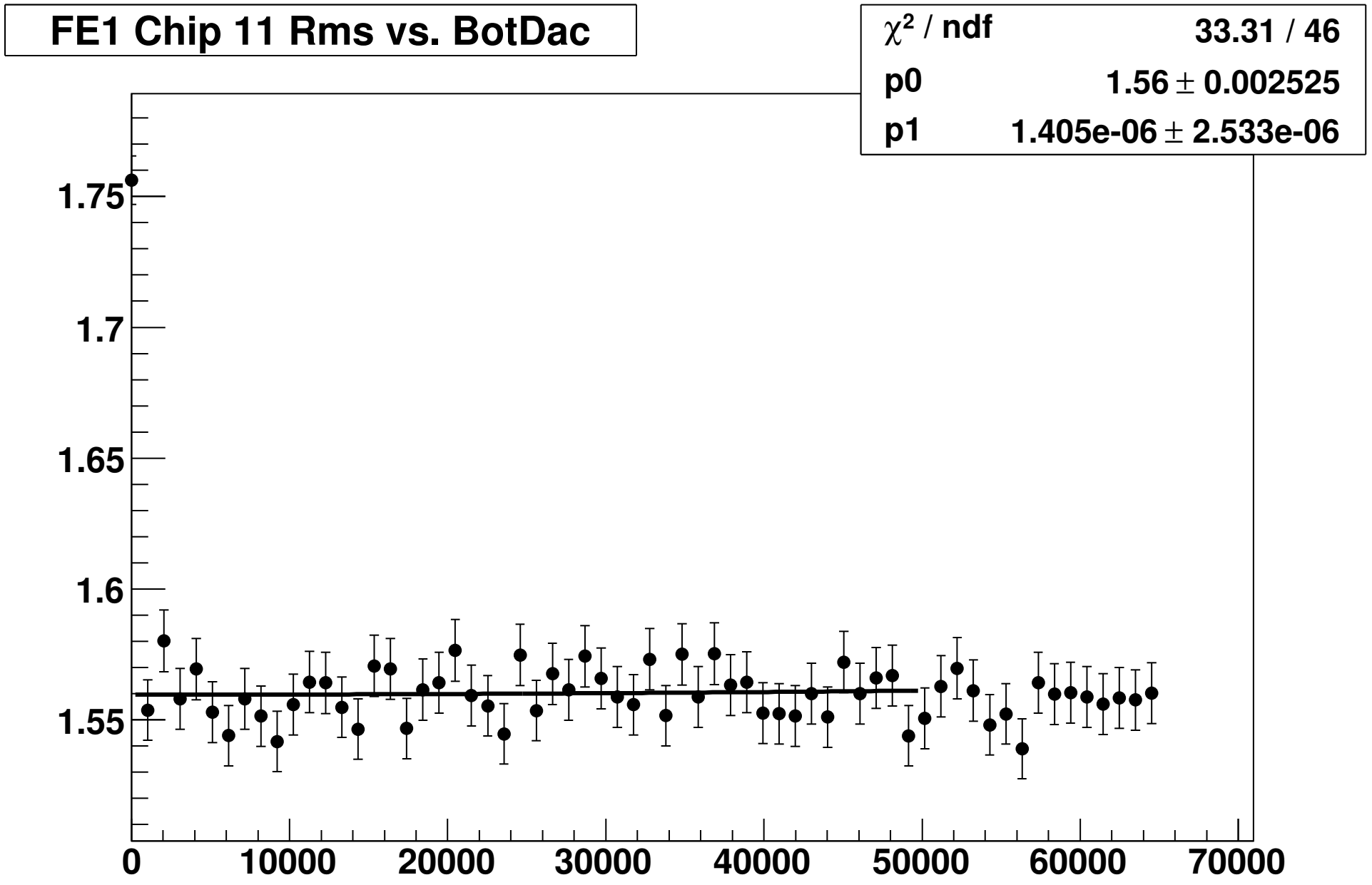
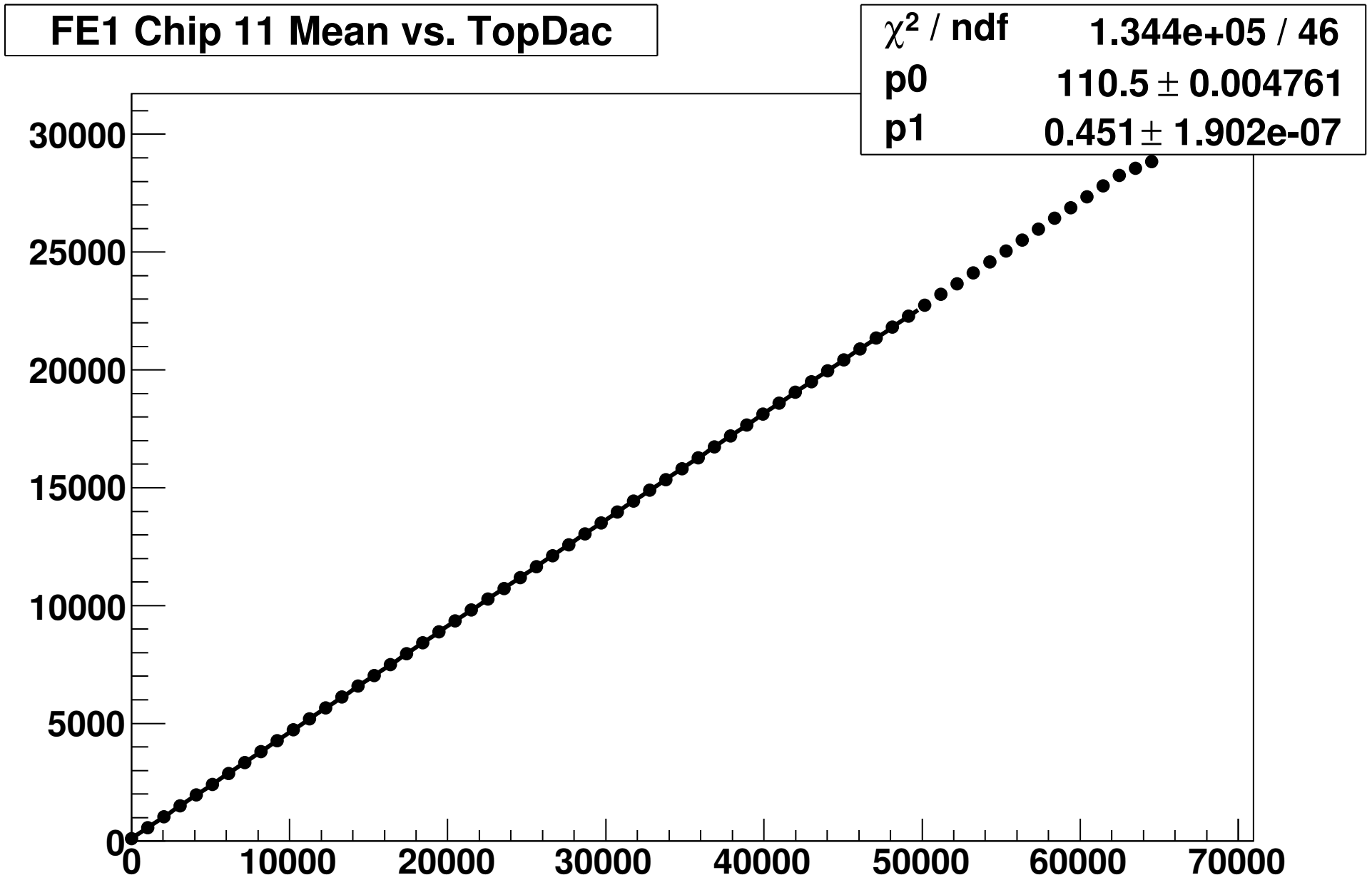
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 10 Rms vs. TopDac
χ² / ndf 2348 / 46
p0 1.385 ± 0.002656
p1 3.633e-05 ± 1.403e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. BotDac
χ² / ndf 1162 / 46
p0 108.5 ± 0.004818
p1 3.493e-06 ± 1.672e-07
108.9
108.8
108.7
108.6
108.5
108.4
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. BotDac
χ² / ndf 33.31 / 46
p0 1.56 ± 0.002525
p1 1.405e-06 ± 2.533e-06
1.75
1.7
1.65
1.6
1.55
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Mean vs. TopDac
χ² / ndf 1.344e+05 / 46
p0 110.5 ± 0.004761
p1 0.451 ± 1.902e-07
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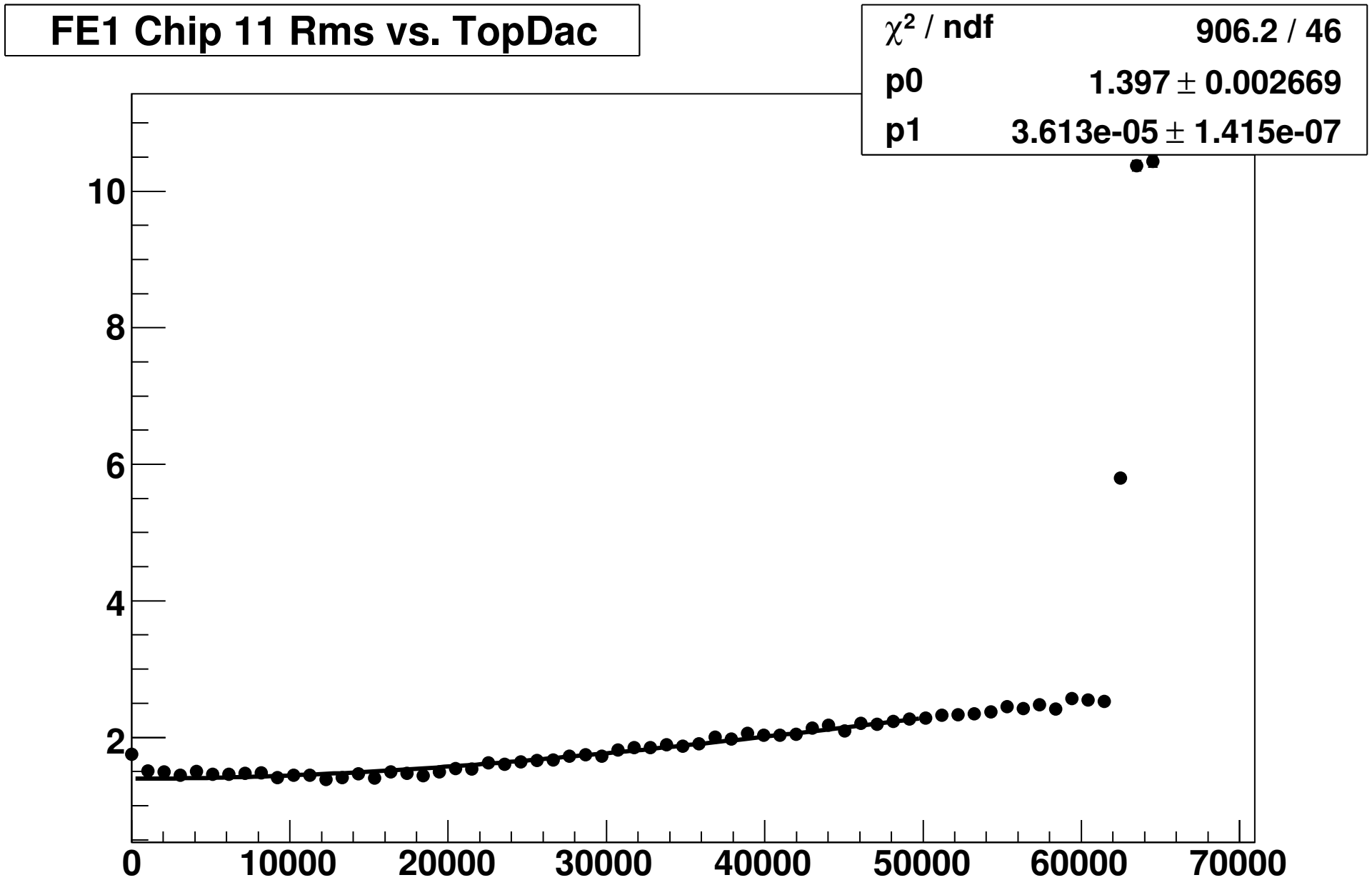
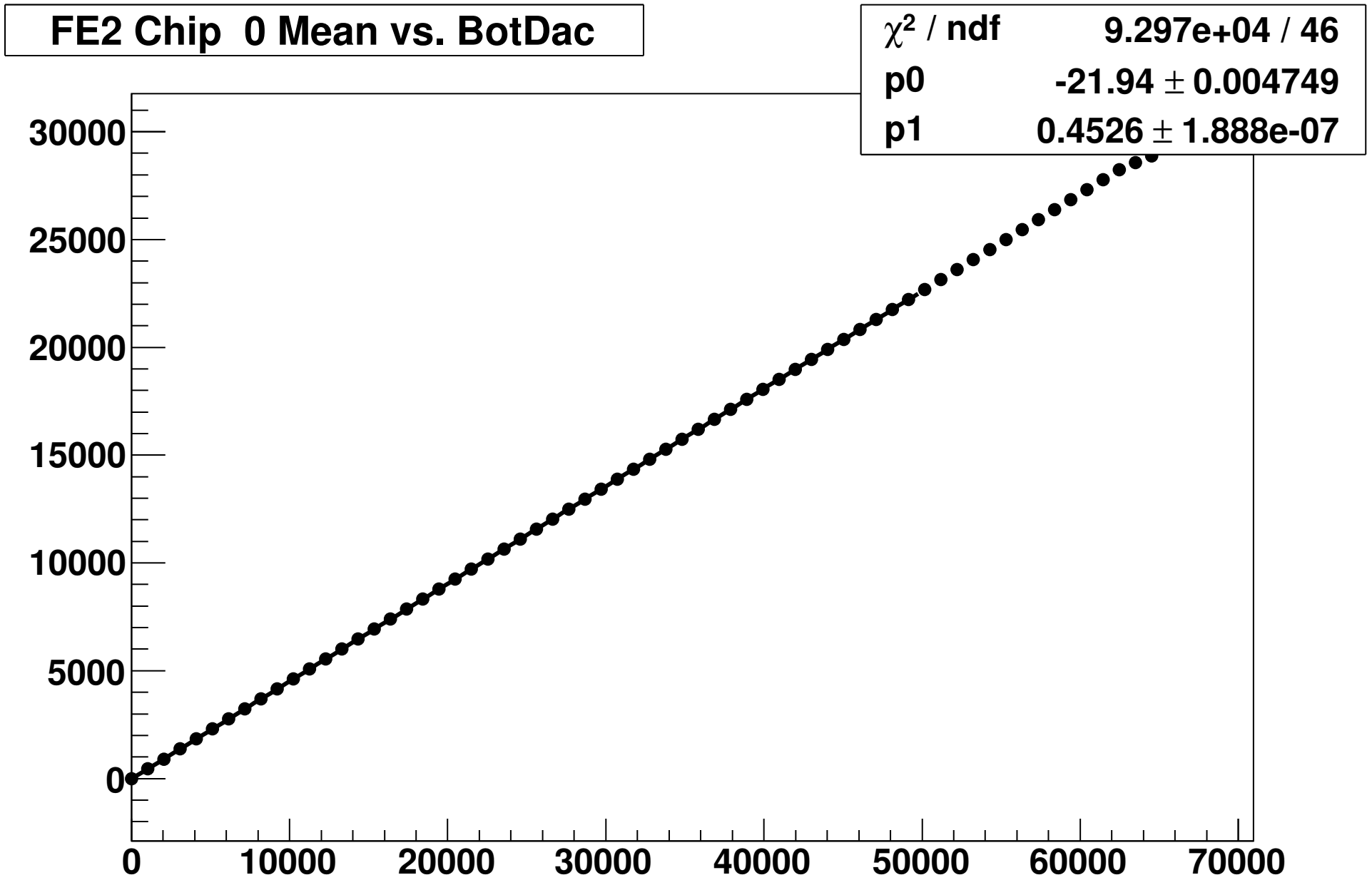
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 906.2 / 46
p0 1.397 ± 0.002669
p1 3.613e-05 ± 1.415e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 9.297e+04 / 46
p0 -21.94 ± 0.004749
p1 0.4526 ± 1.888e-07
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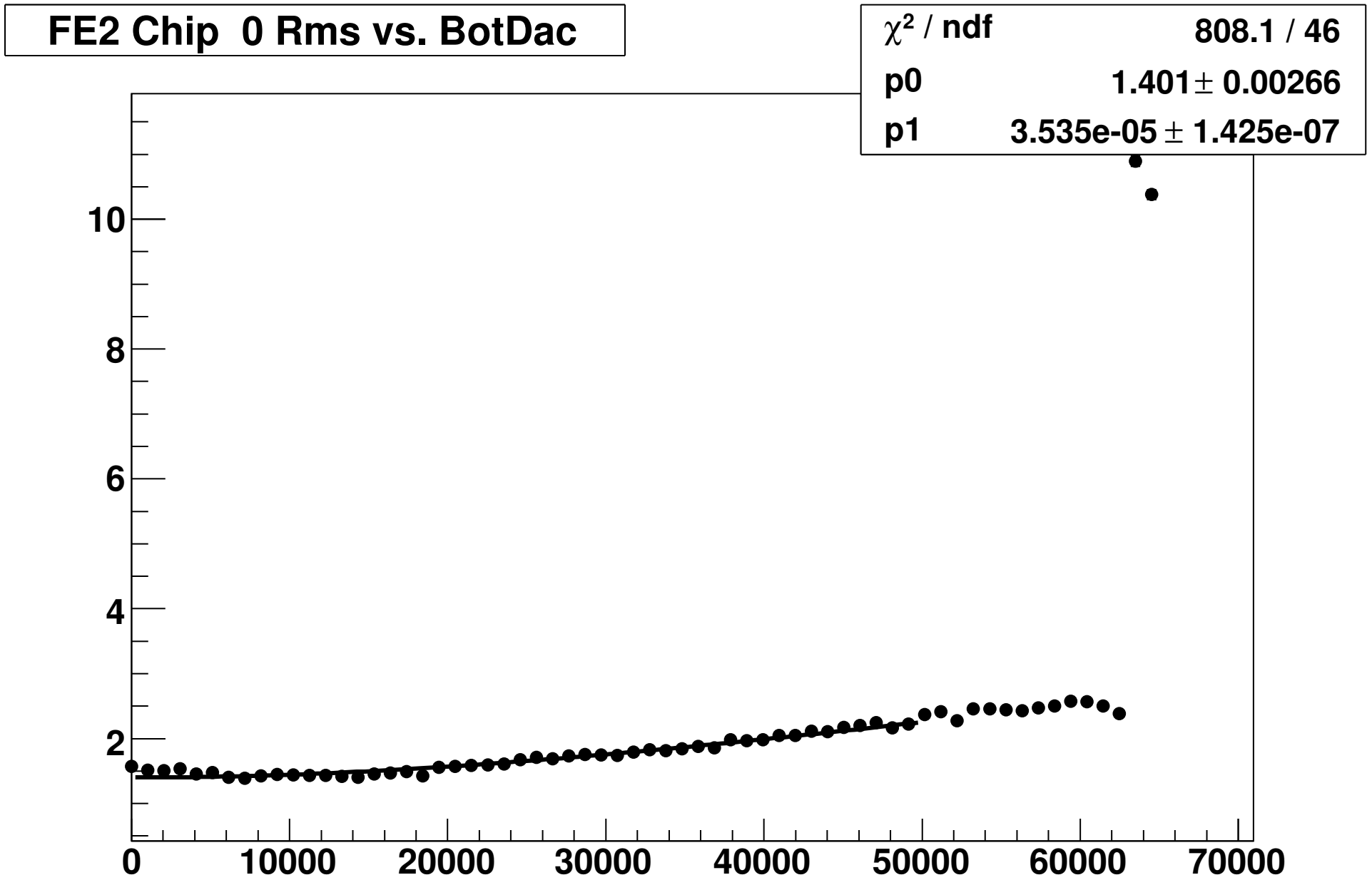
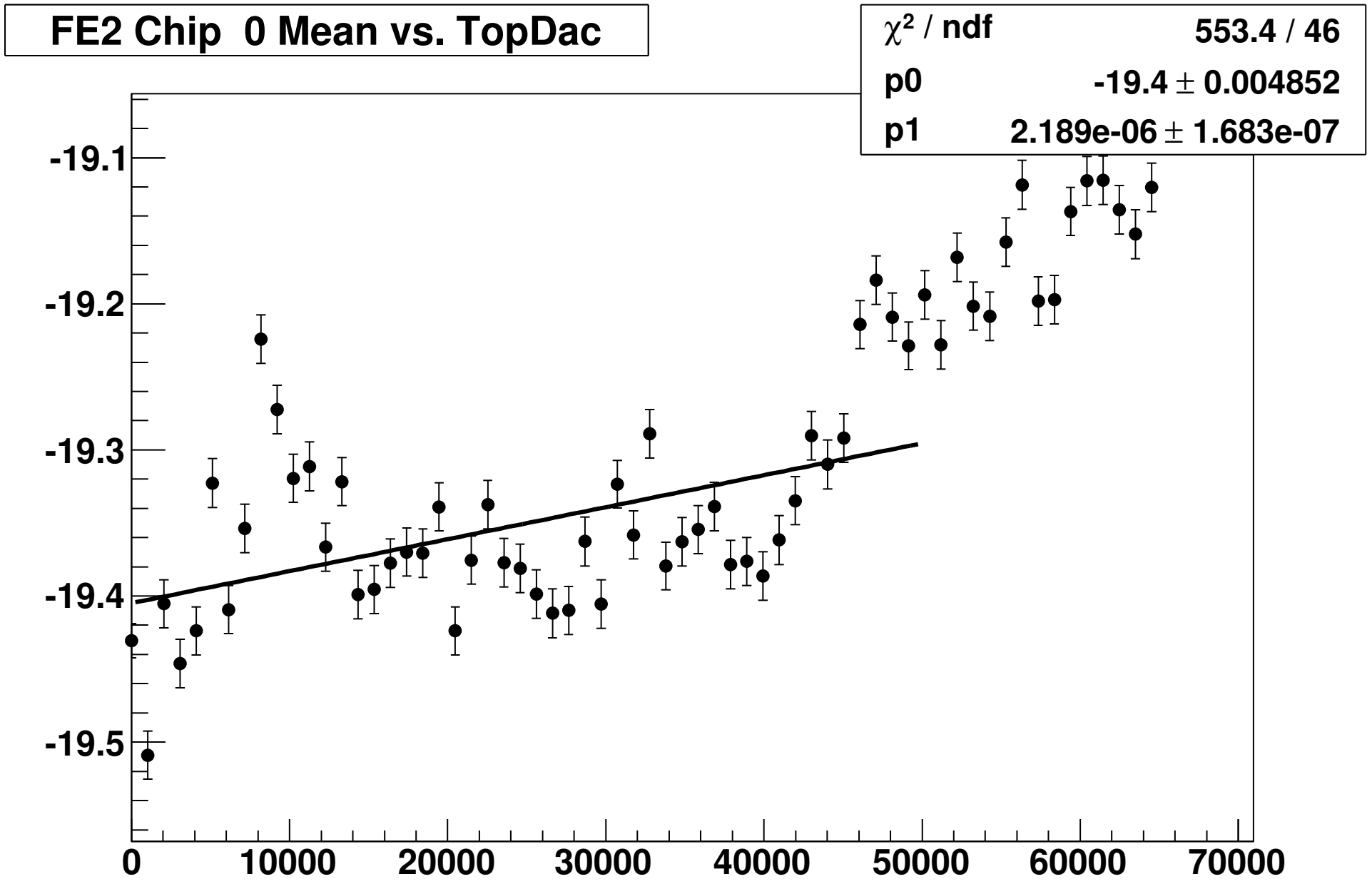
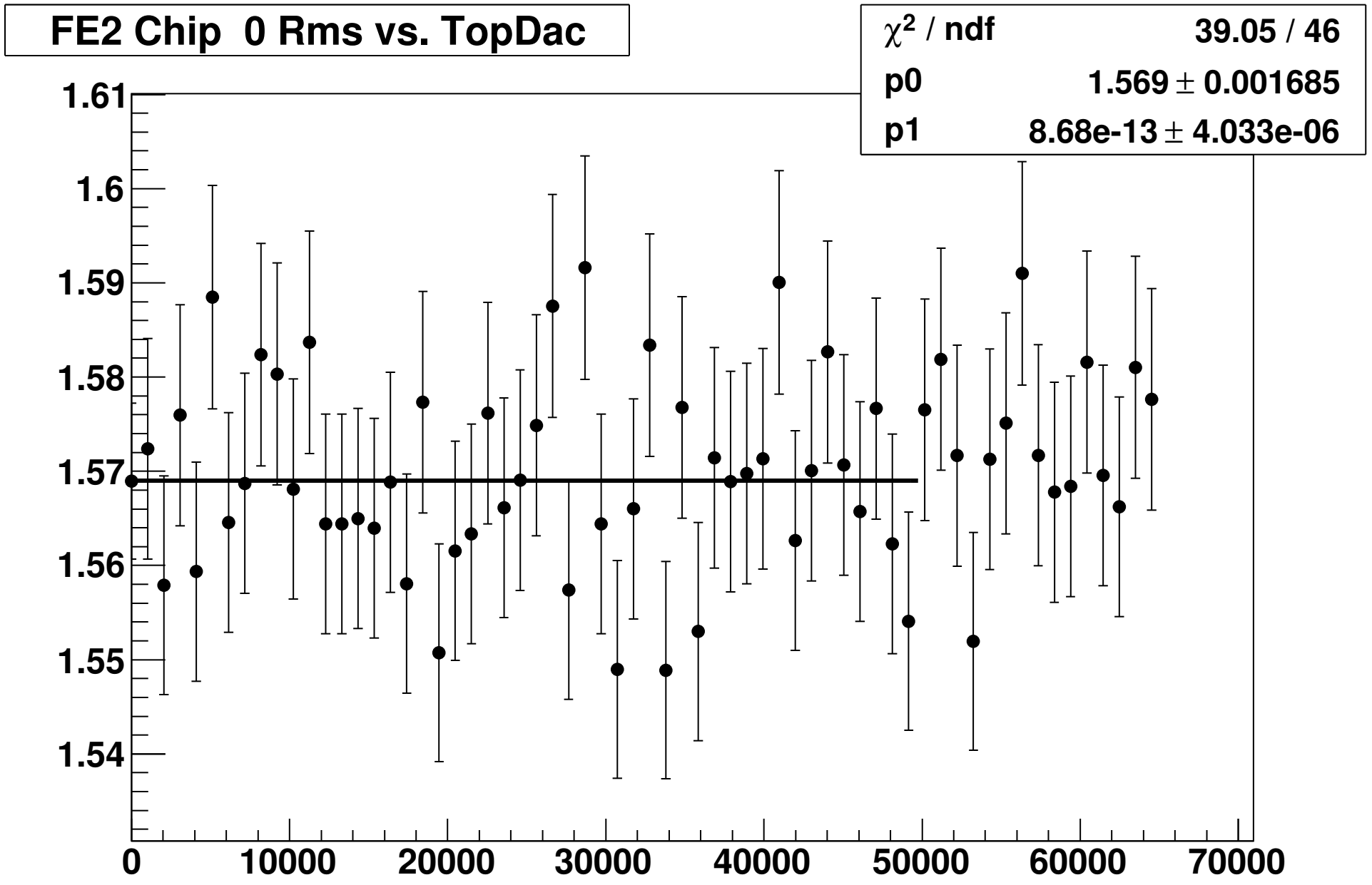
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 808.1 / 46
p0 1.401 ± 0.00266
p1 3.535e-05 ± 1.425e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 553.4 / 46
p0 -19.4 ± 0.004852
p1 2.189e-06 ± 1.683e-07
-19.1
-19.2
-19.3
-19.4
-19.5
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 39.05 / 46
p0 1.569 ± 0.001685
p1 8.68e-13 ± 4.033e-06
1.61
1.6
1.59
1.58
1.57
1.56
1.55
1.54
0
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20000
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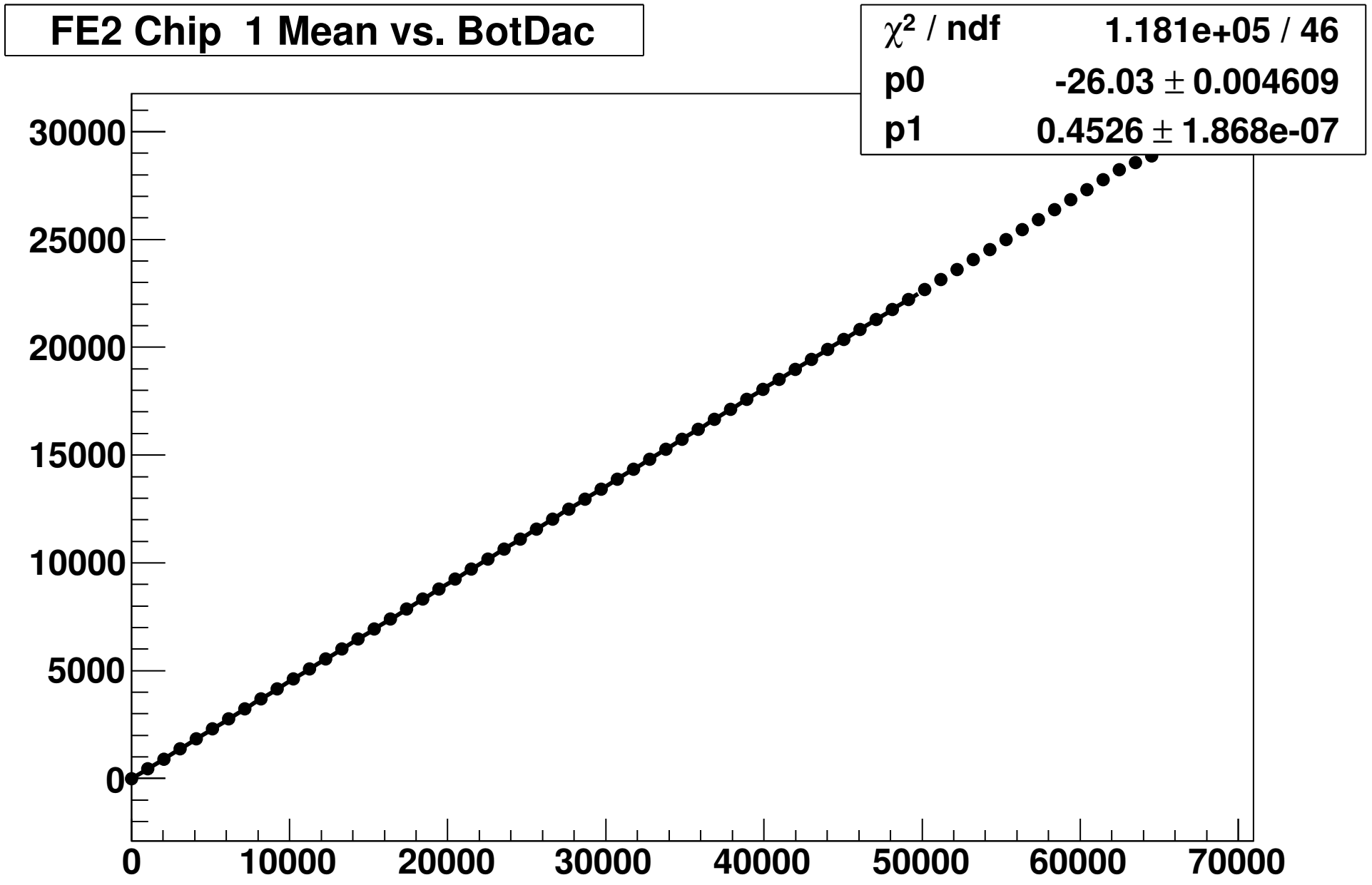
FE2 Chip 1 Mean vs. BotDac
χ² / ndf 1.181e+05 / 46
p0 -26.03 ± 0.004609
p1 0.4526 ± 1.868e-07
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25000
20000
15000
10000
5000
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20000
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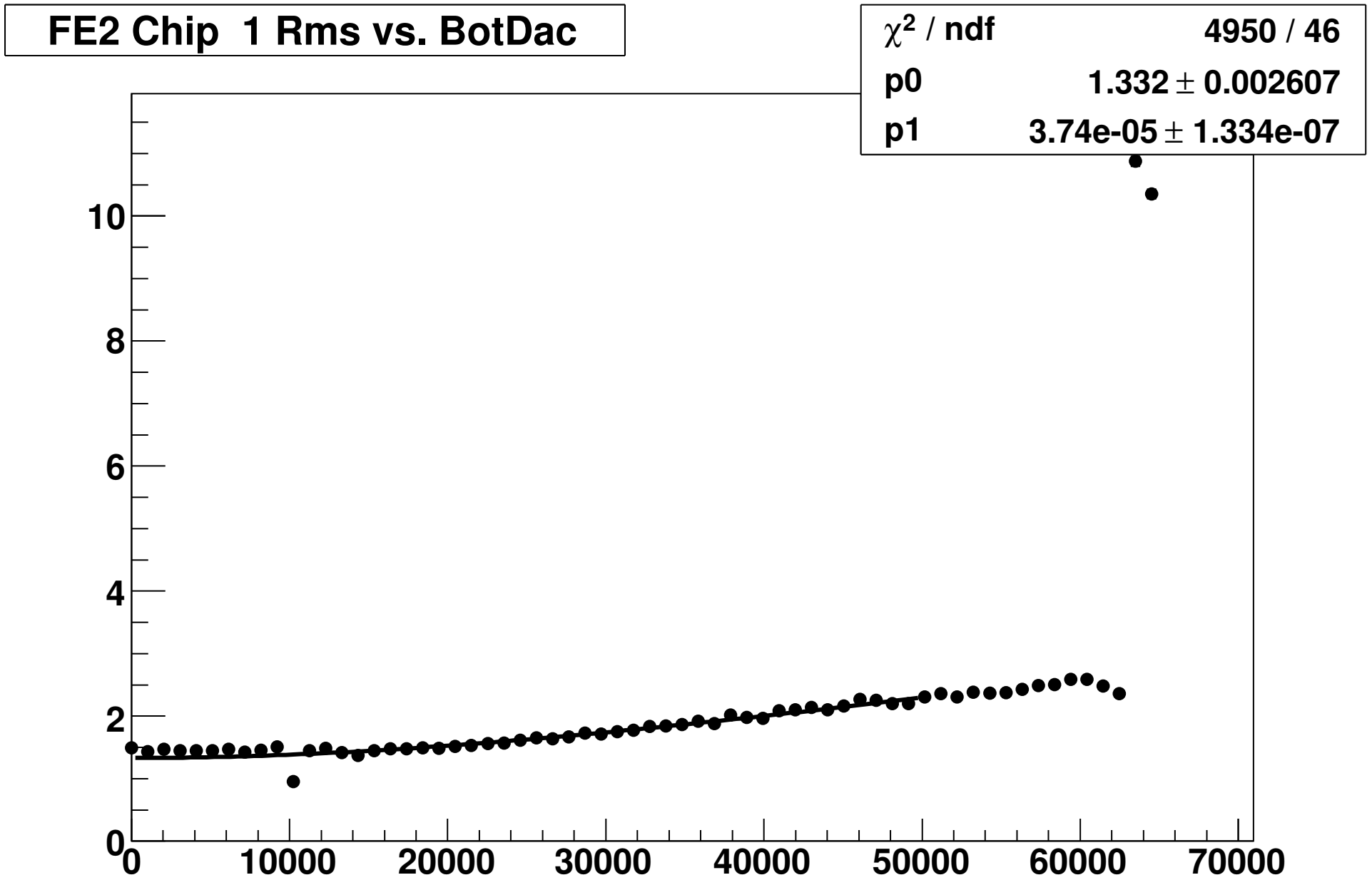
70000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 4950 / 46
p0 1.332 ± 0.002607
p1 3.74e-05 ± 1.334e-07
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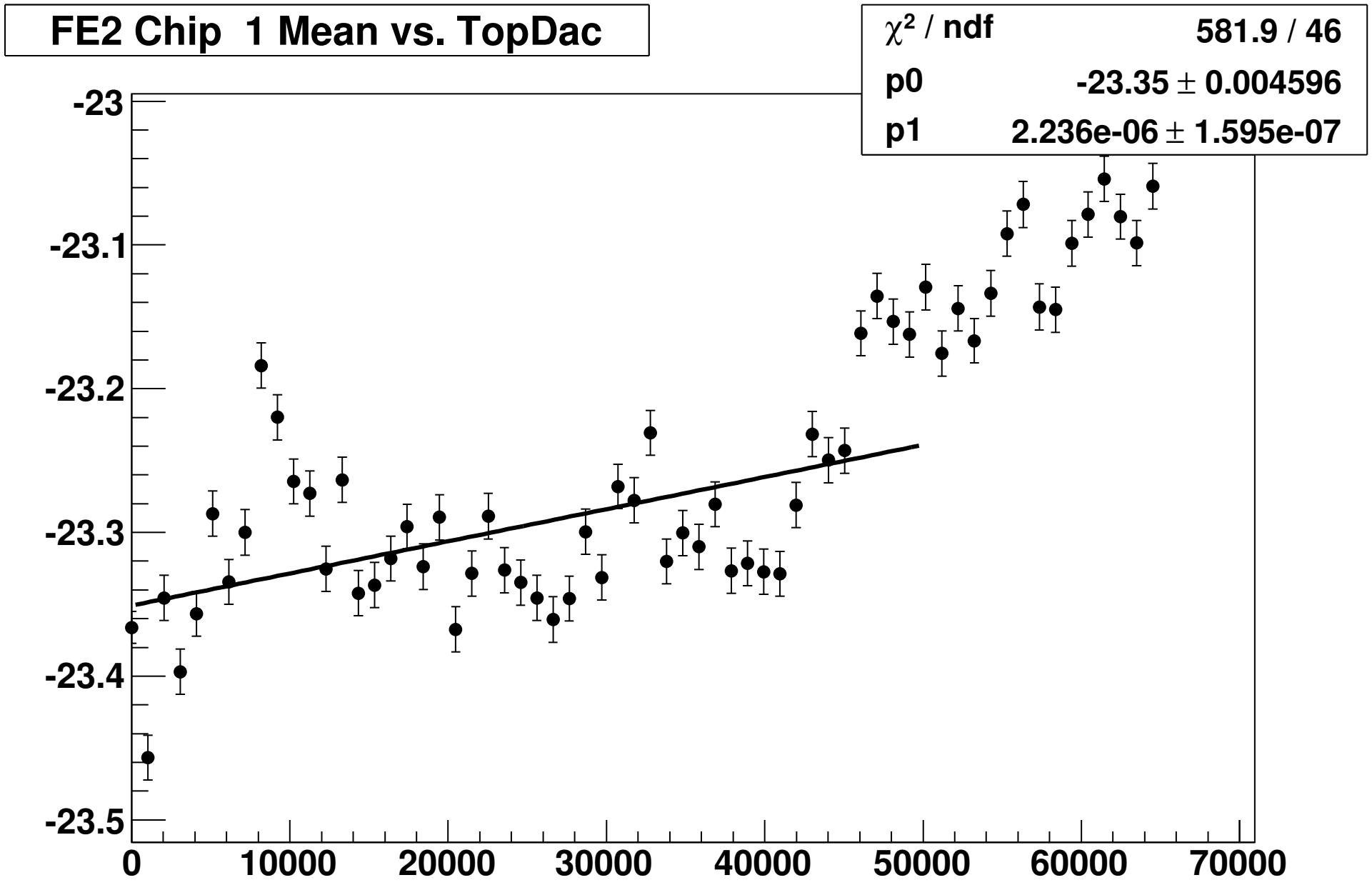
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 581.9 / 46
p0 -23.35 ± 0.004596
p1 2.236e-06 ± 1.595e-07
-23
-23.1
-23.2
-23.3
-23.4
-23.5
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10000
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40000
50000
60000
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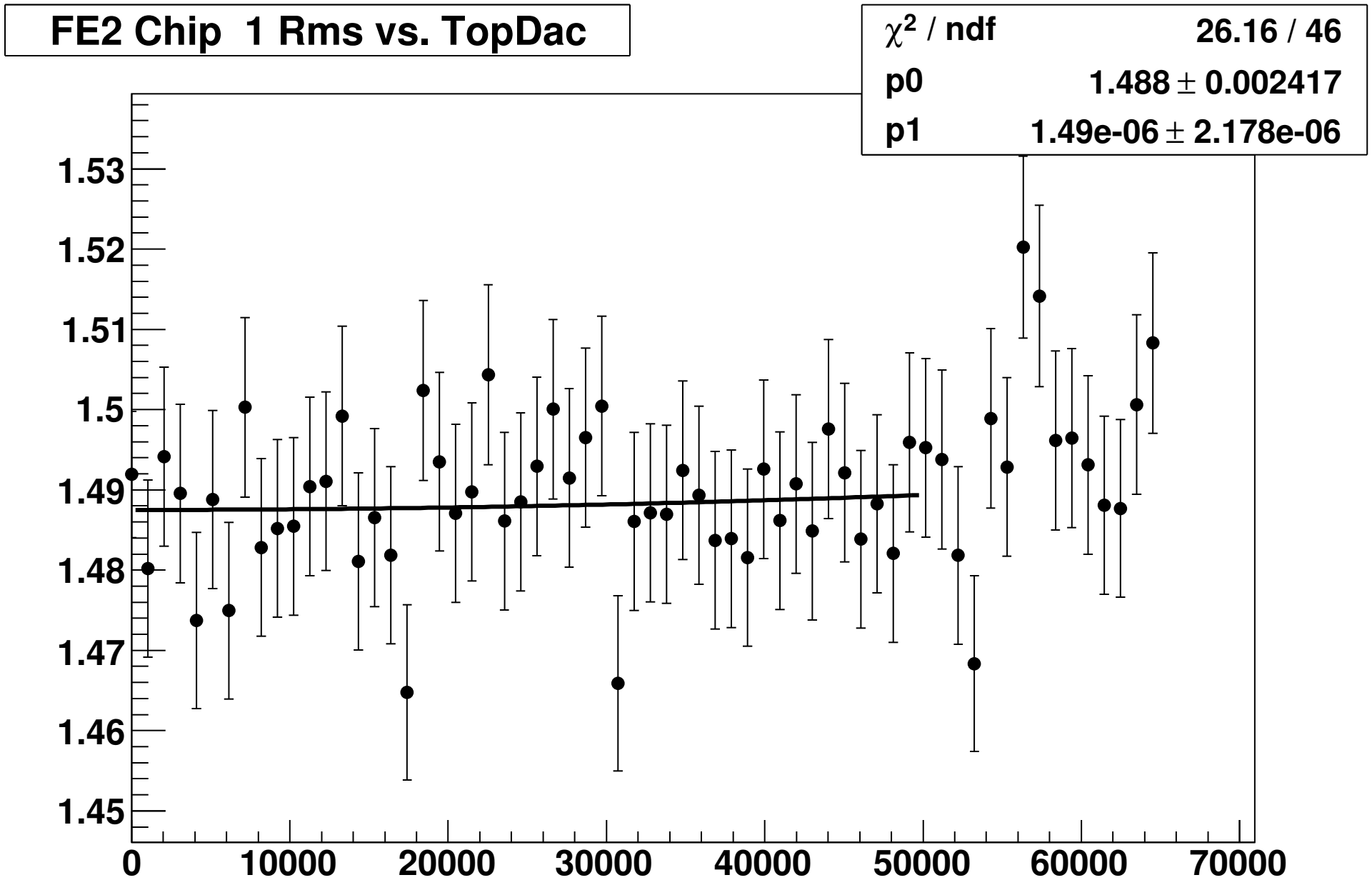
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 26.16 / 46
p0 1.488 ± 0.002417
p1 1.49e-06 ± 2.178e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
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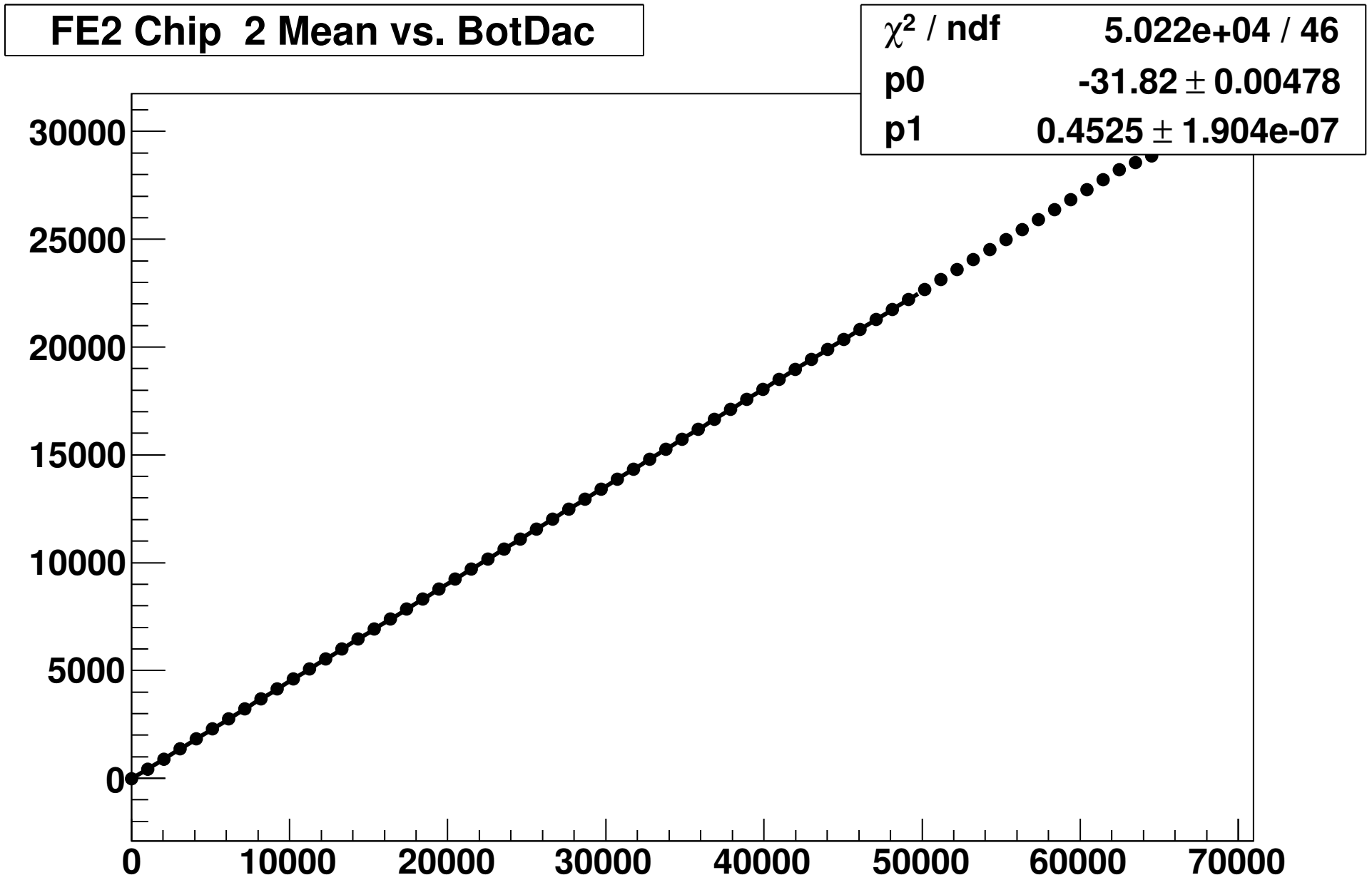
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 5.022e+04 / 46
p0 -31.82 ± 0.00478
p1 0.4525 ± 1.904e-07
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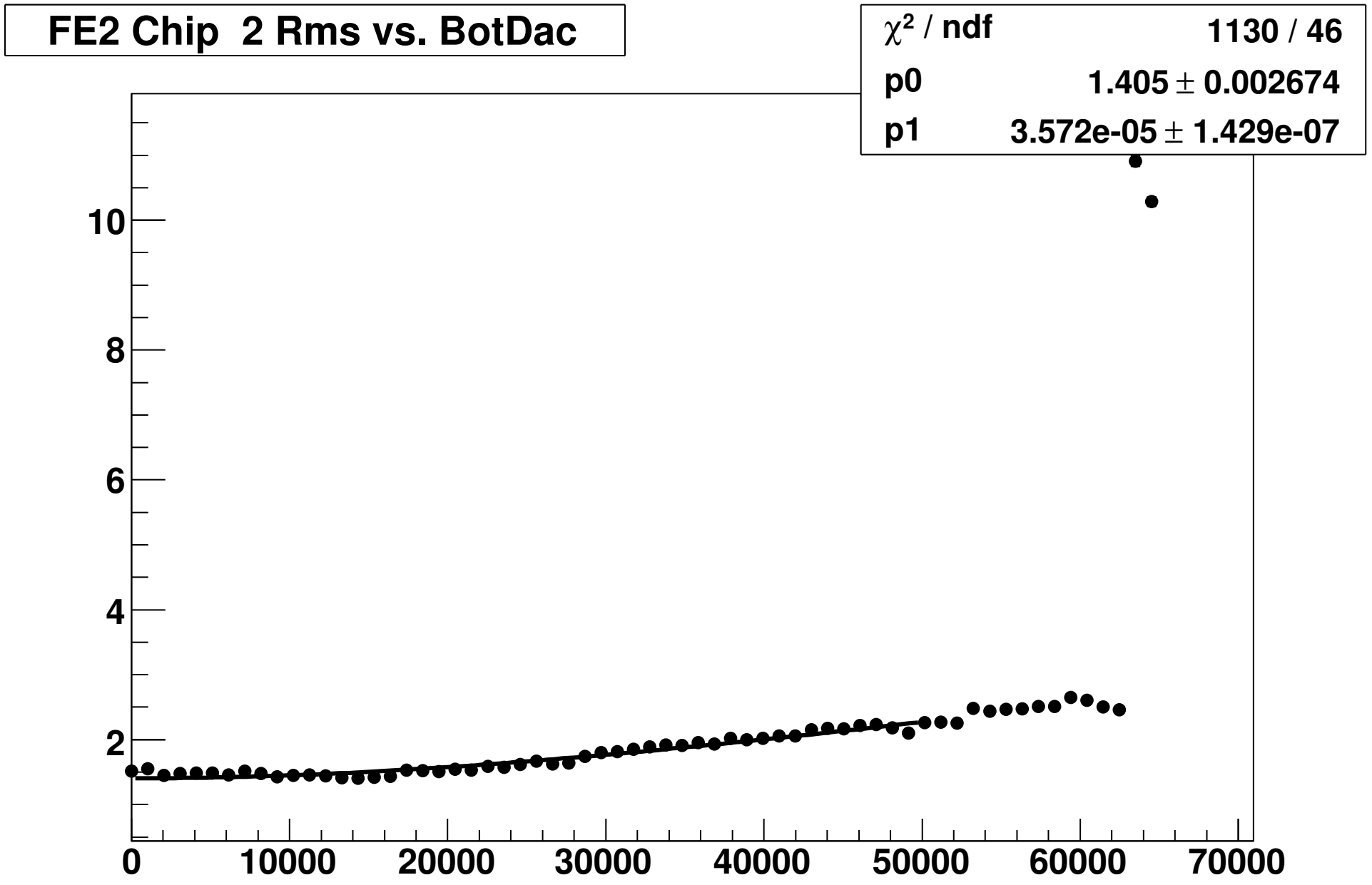
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 1130 / 46
p0 1.405 ± 0.002674
p1 3.572e-05 ± 1.429e-07
10
8
6
4
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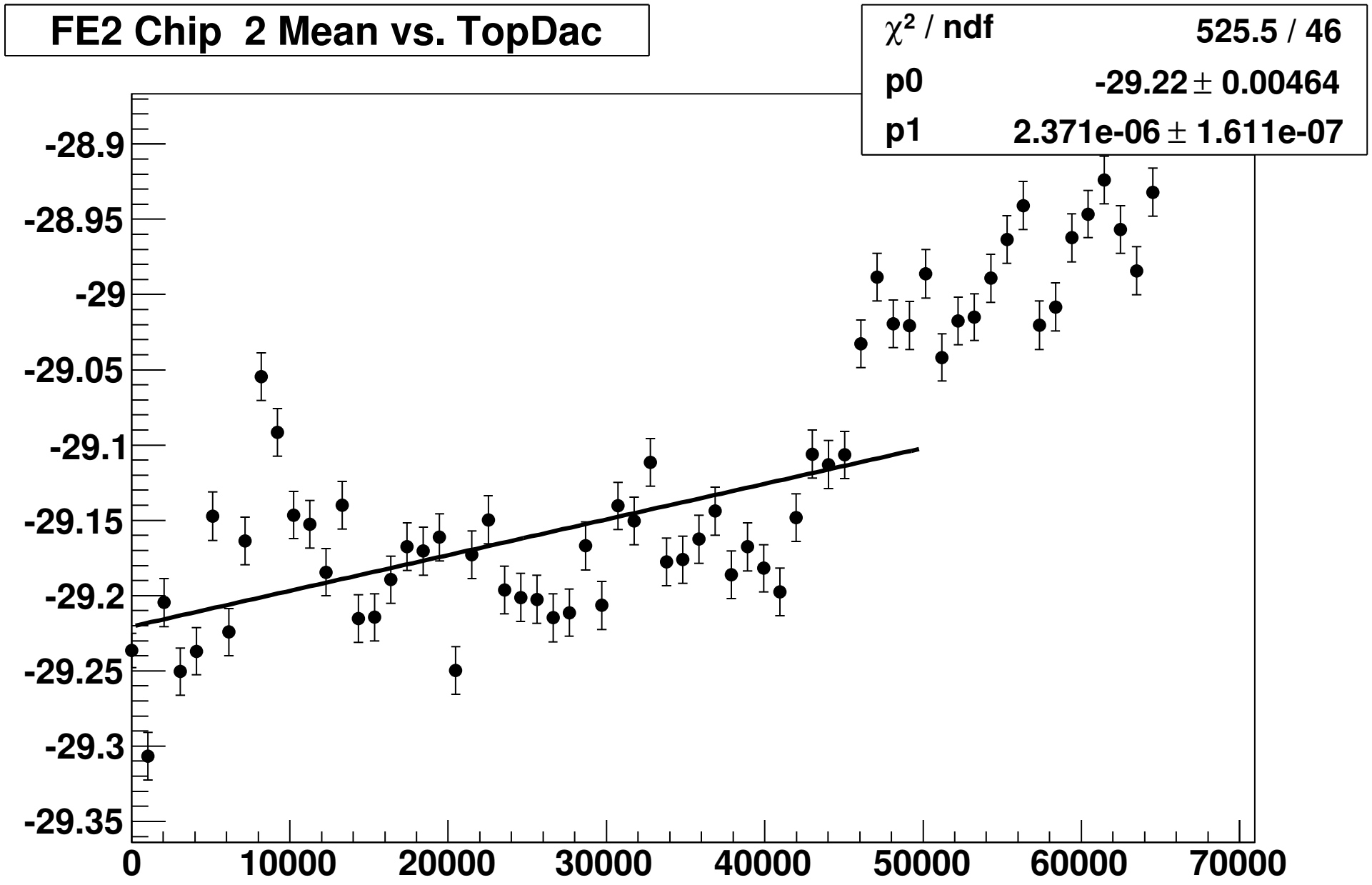
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 525.5 / 46
p0 -29.22 ± 0.00464
p1 2.371e-06 ± 1.611e-07
-28.9
-28.95
-29
-29.05
-29.1
-29.15
-29.2
-29.25
-29.3
-29.35
0
10000
20000
30000
40000
50000
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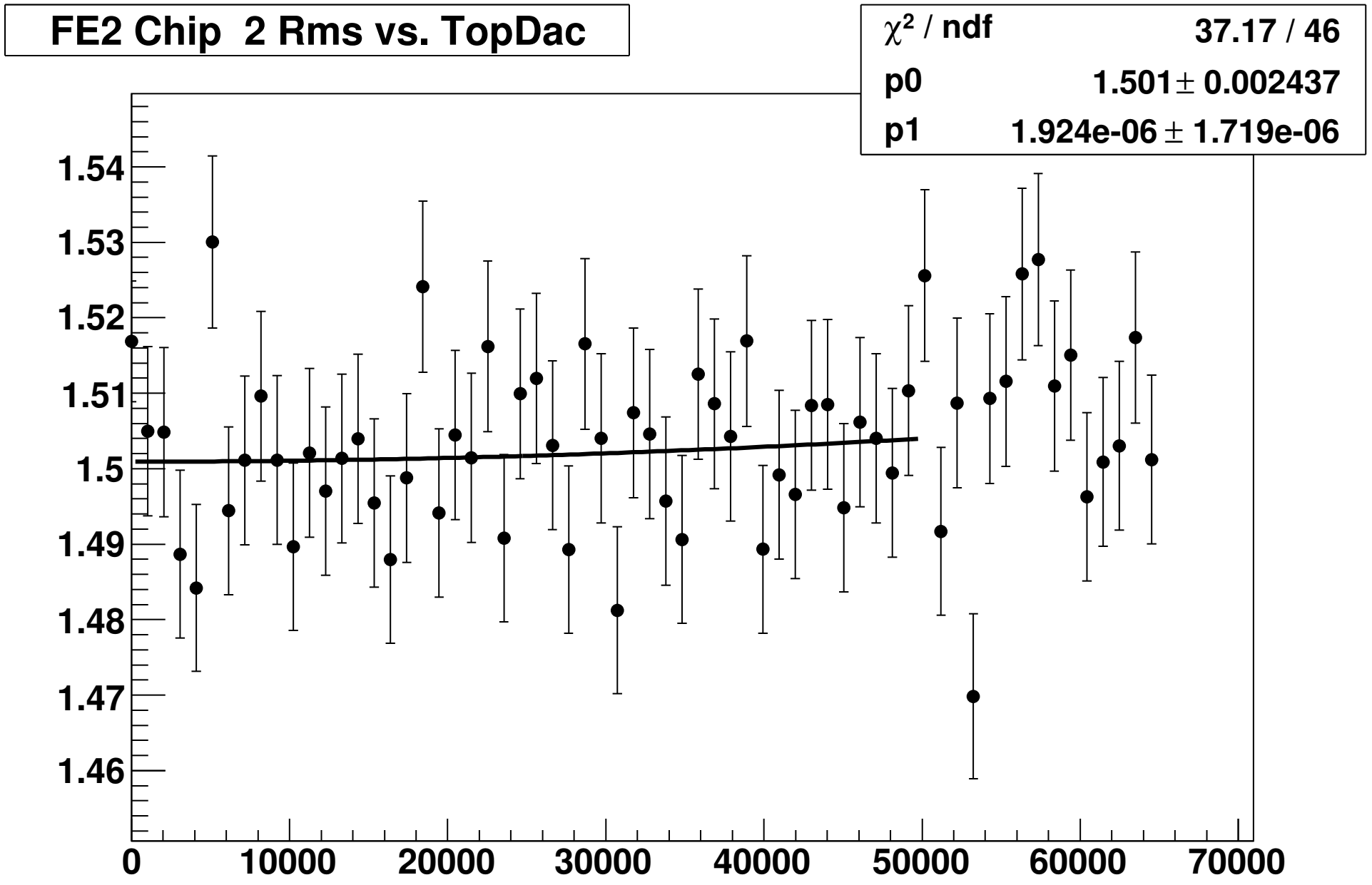
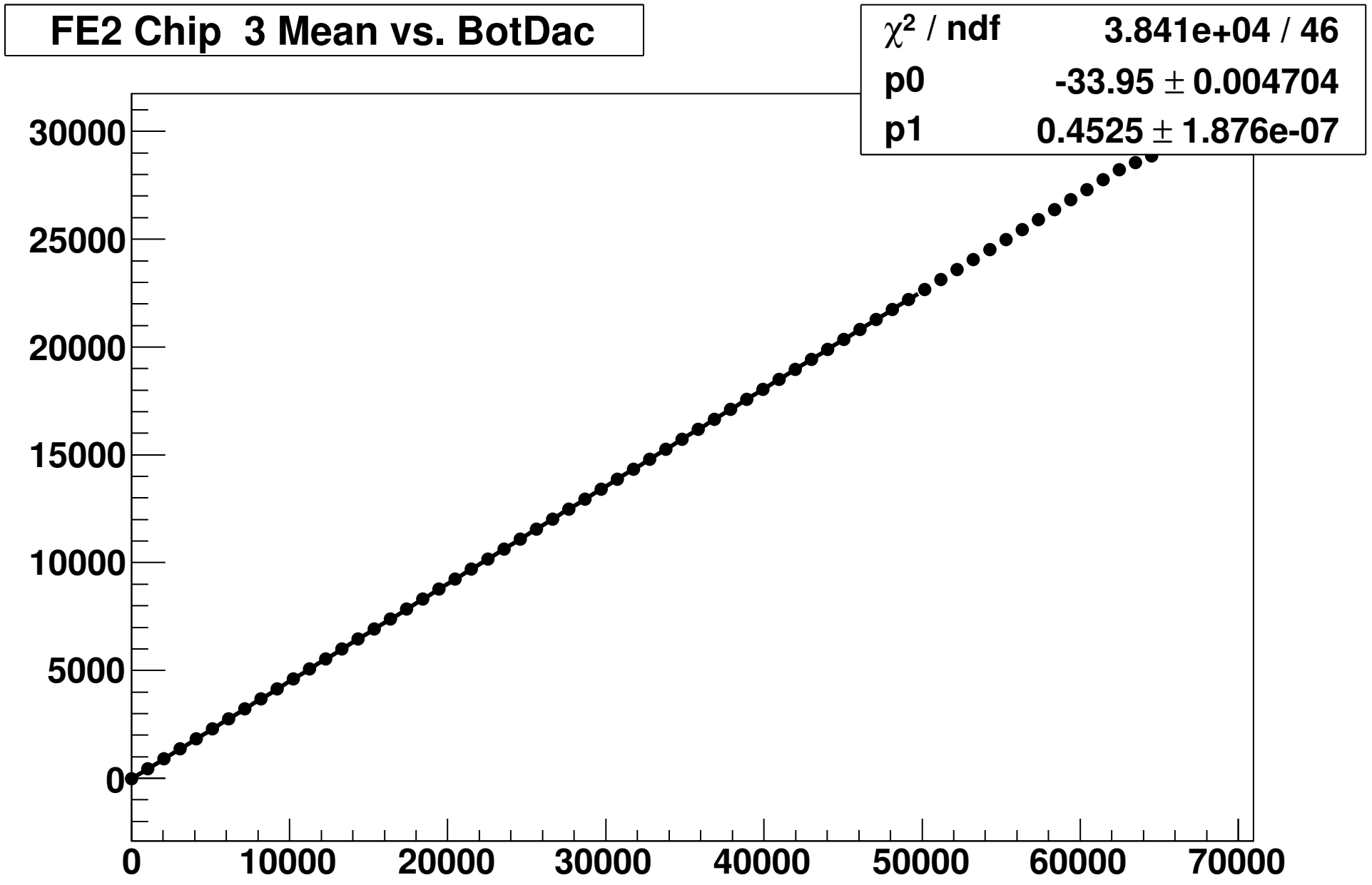
70000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 37.17 / 46
p0 1.501 ± 0.002437
p1 1.924e-06 ± 1.719e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 3 Mean vs. BotDac
χ² / ndf 3.841e+04 / 46
p0 -33.95 ± 0.004704
p1 0.4525 ± 1.876e-07
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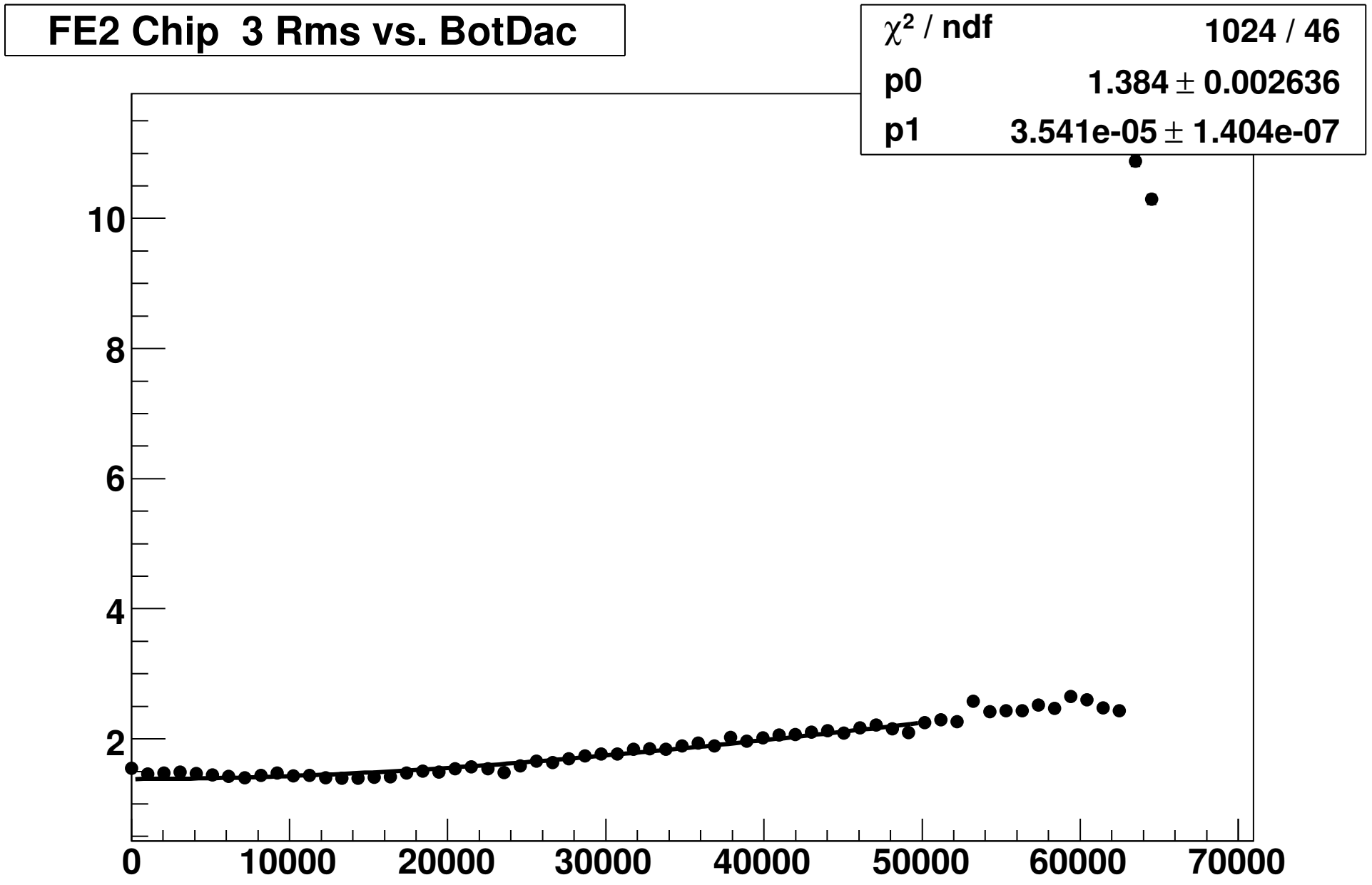
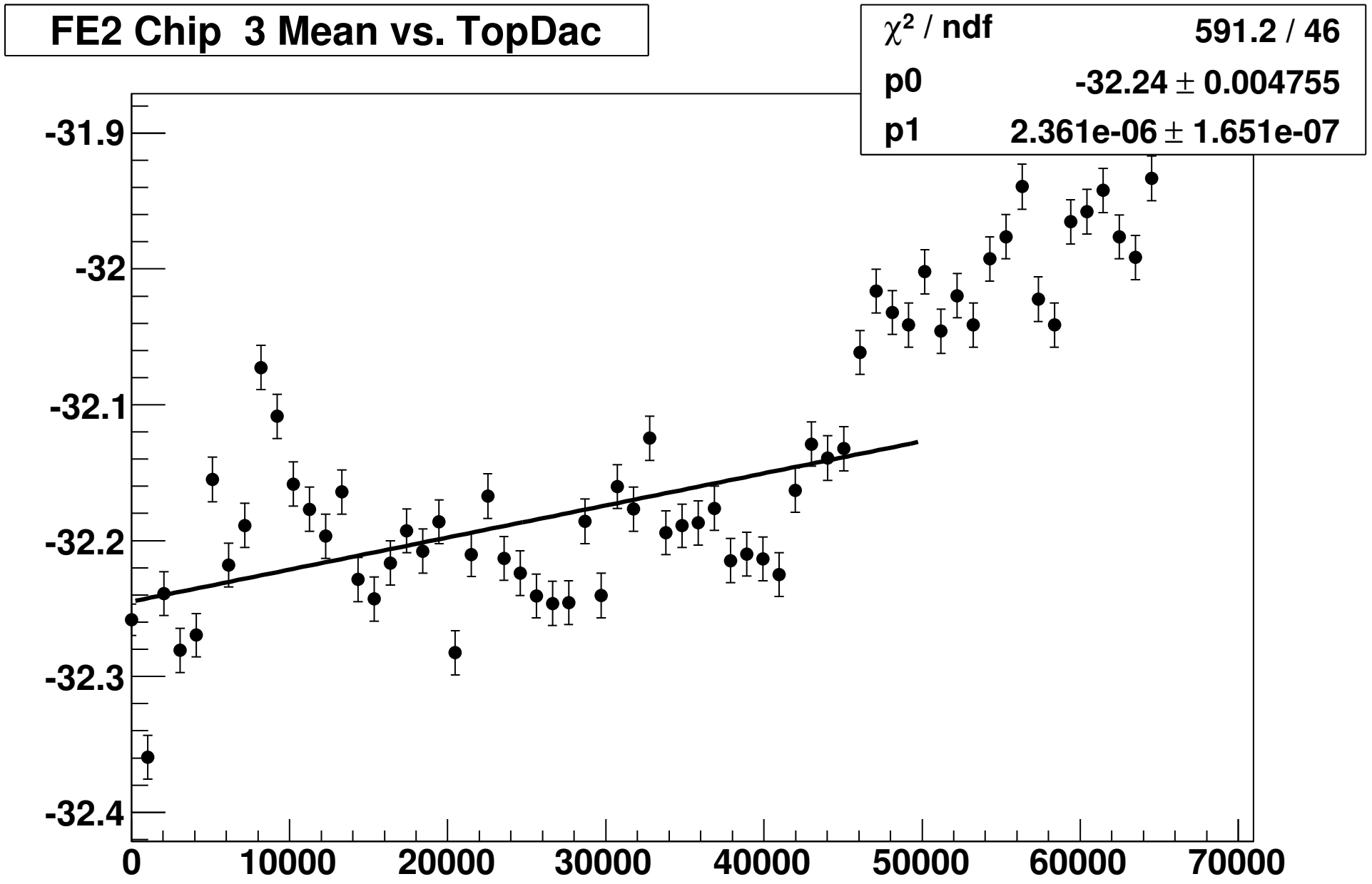
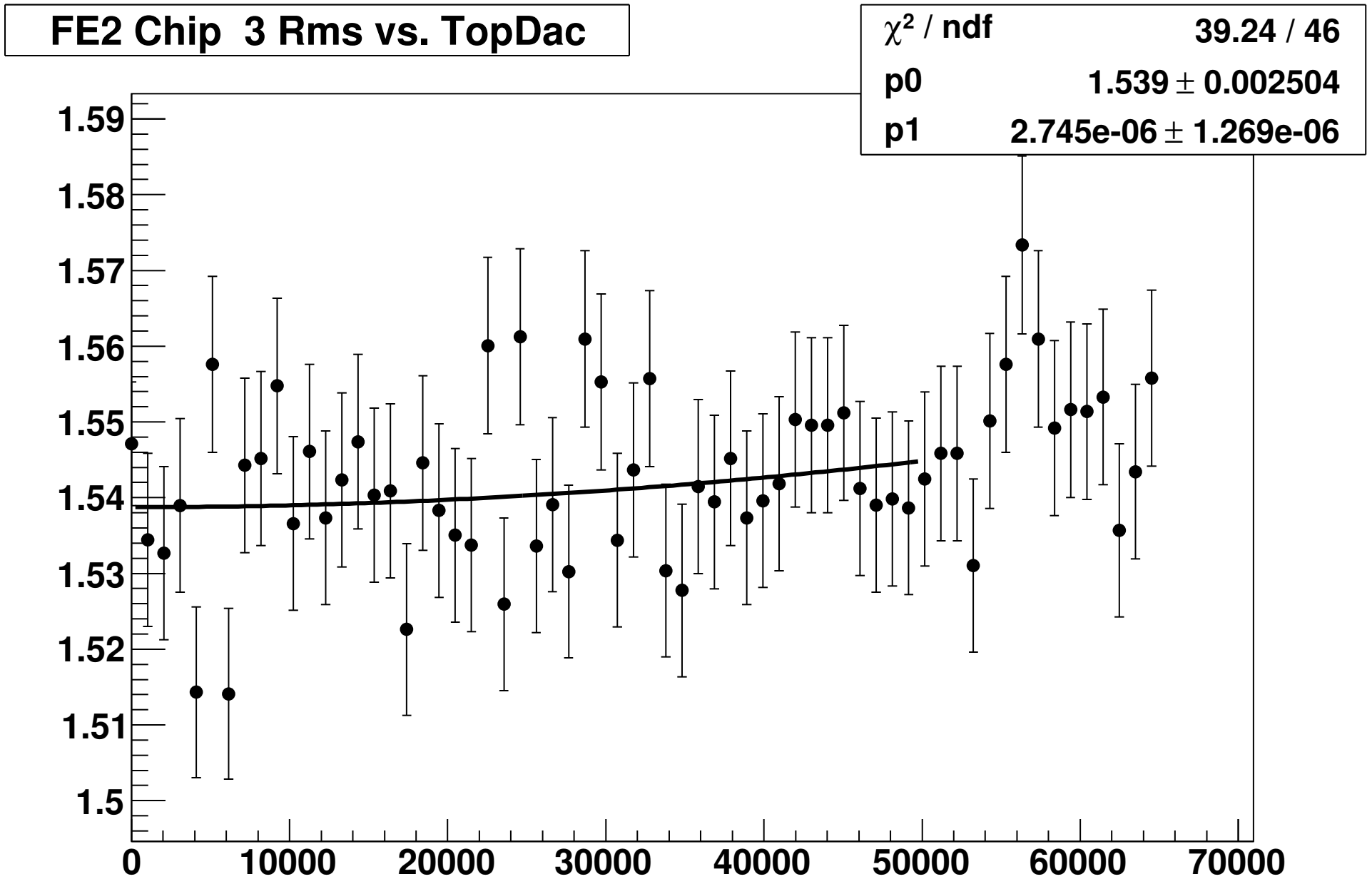
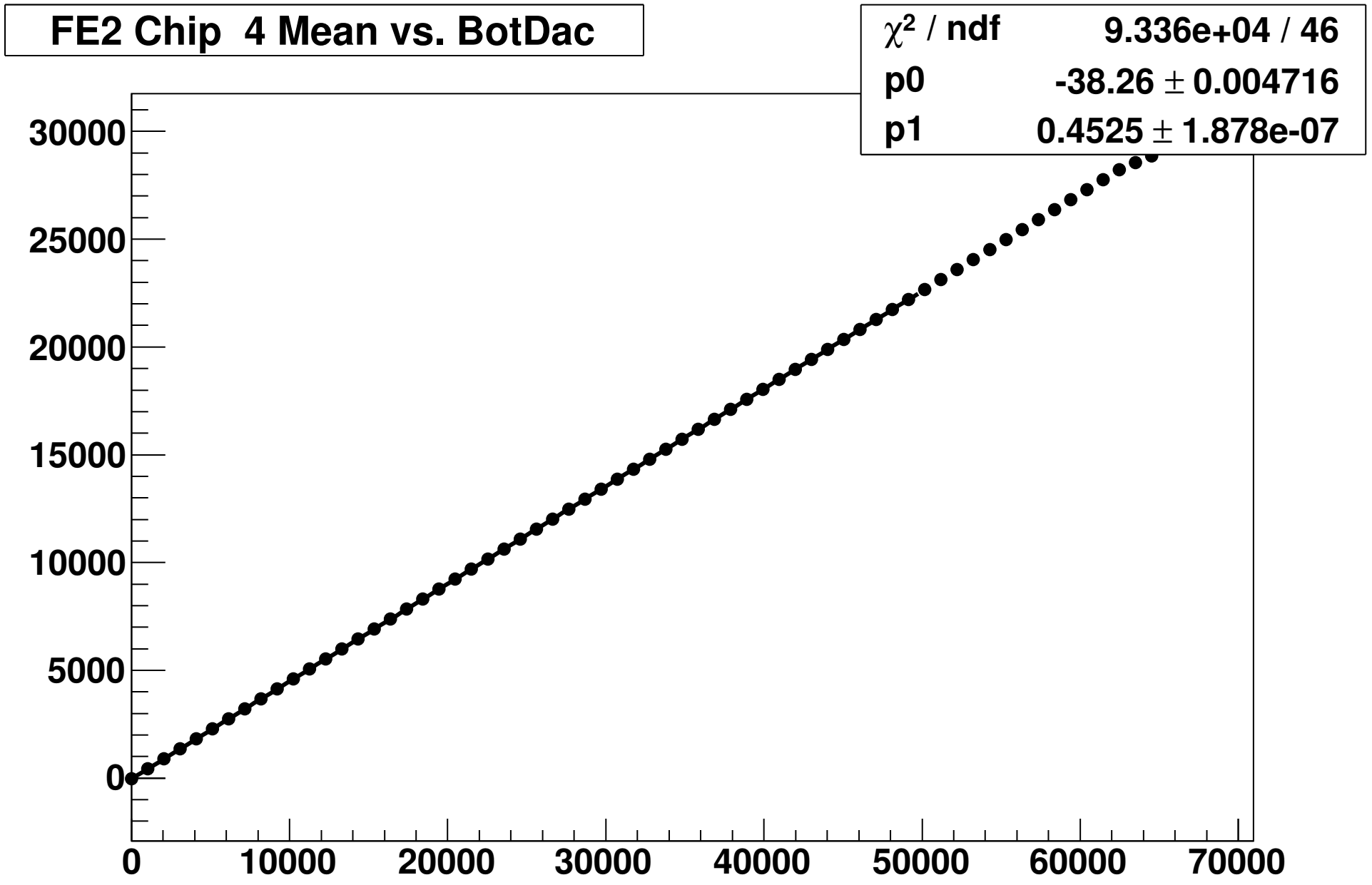
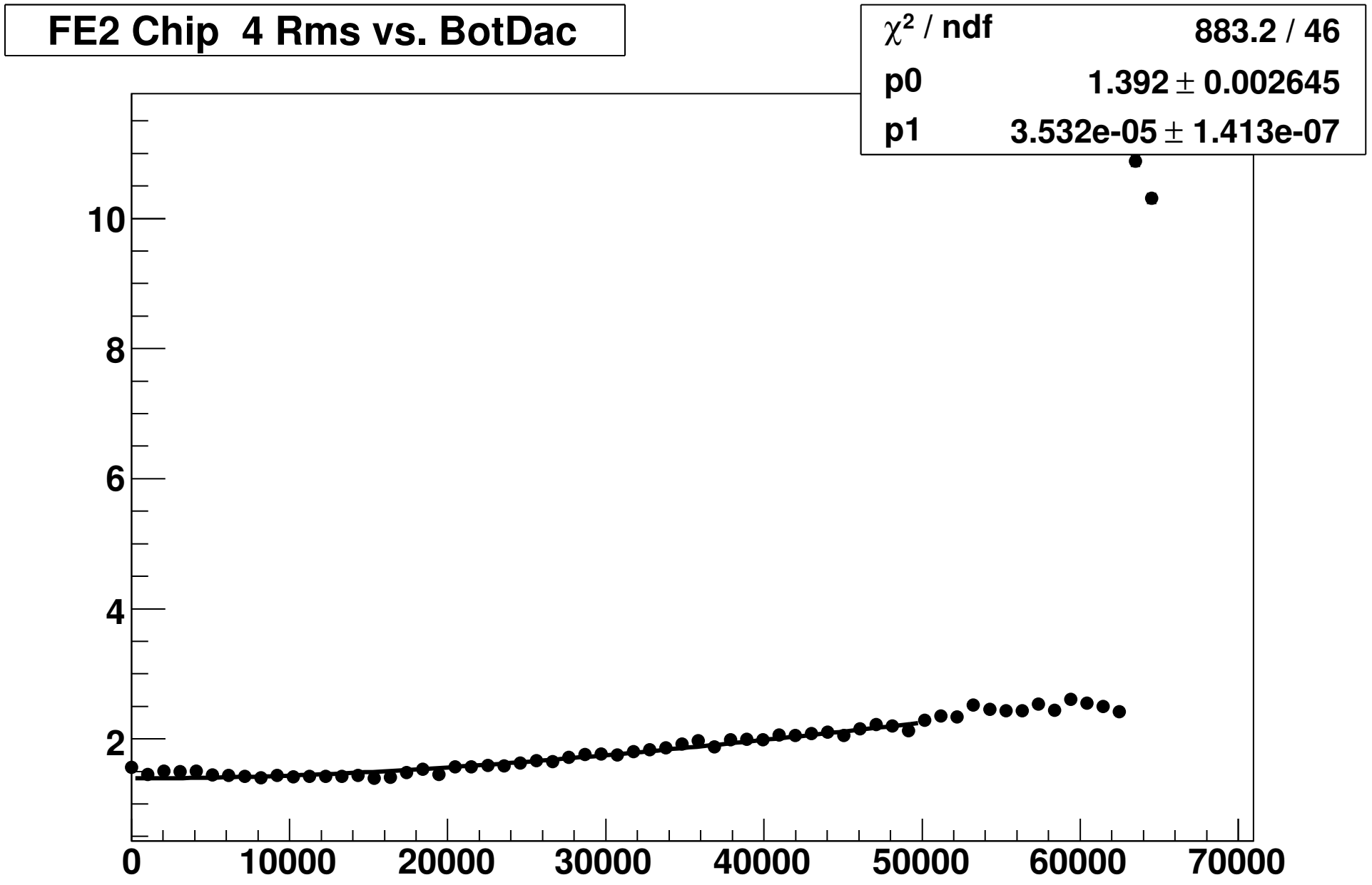
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

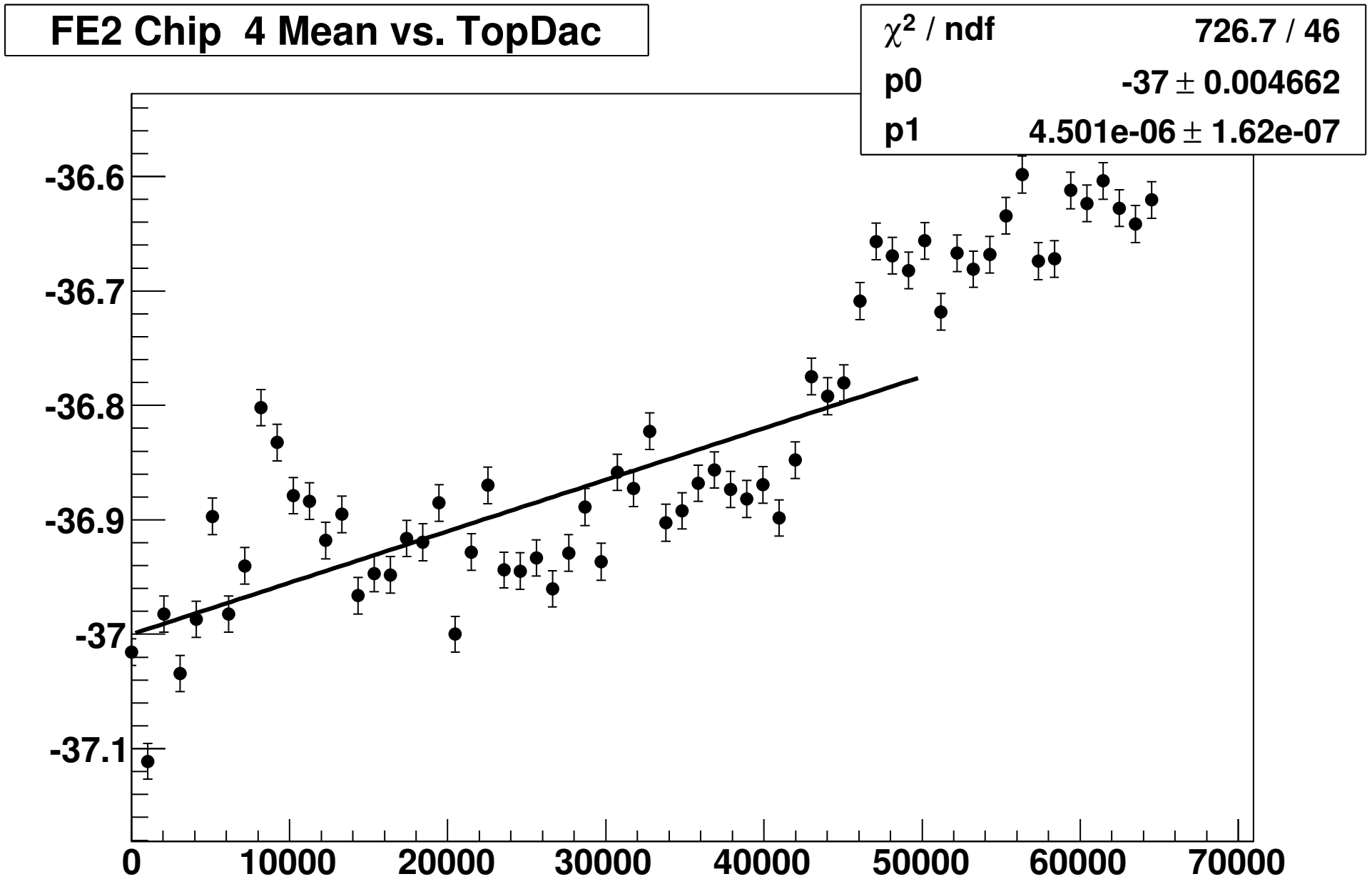

FE2 Chip 3 Rms vs. BotDac
χ² / ndf 1024 / 46
p0 1.384 ± 0.002636
p1 3.541e-05 ± 1.404e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

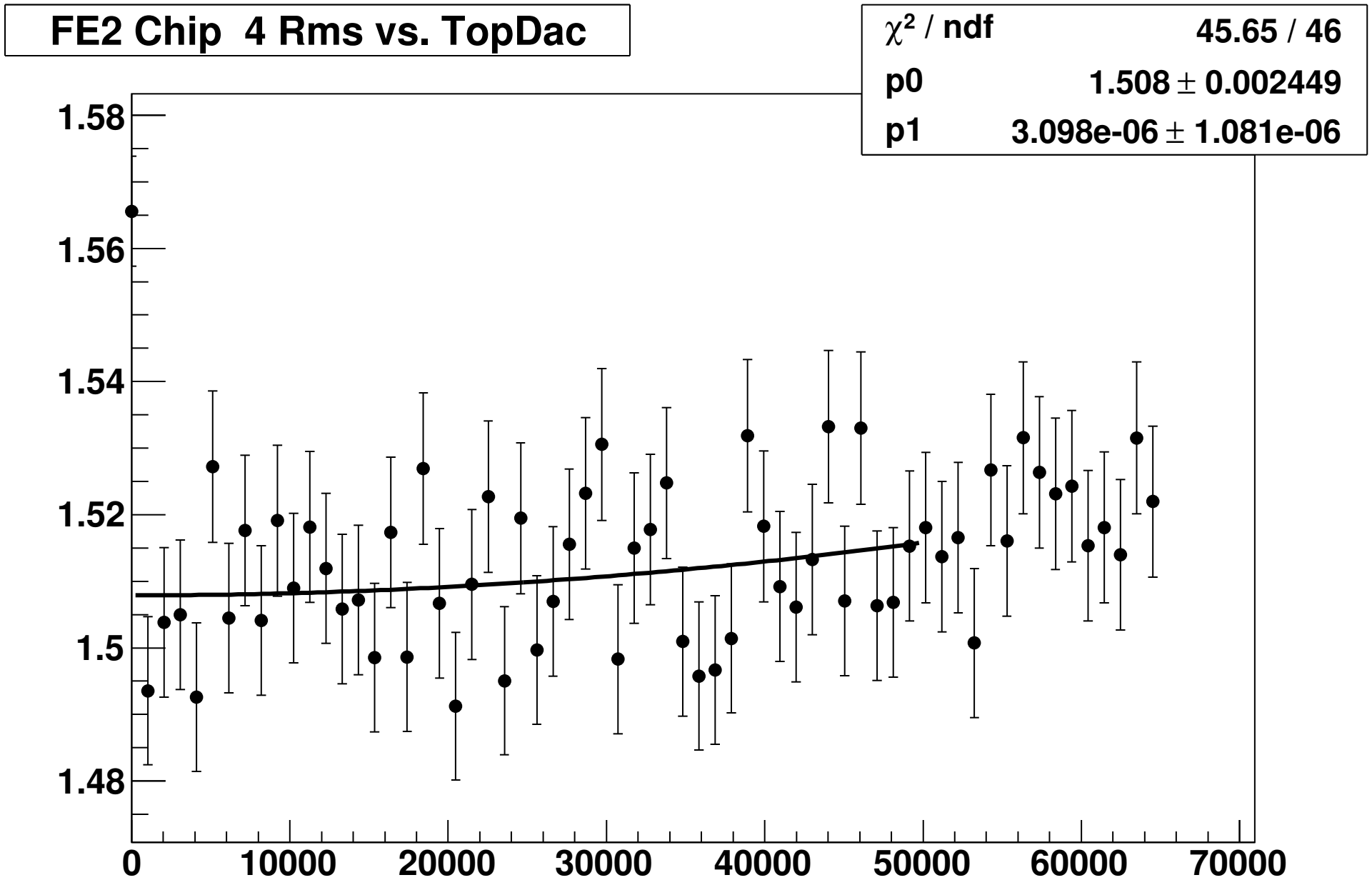

FE2 Chip 3 Mean vs. TopDac
χ² / ndf 591.2 / 46
p0 -32.24 ± 0.004755
p1 2.361e-06 ± 1.651e-07
-31.9
-32
-32.1
-32.2
-32.3
-32.4
0
10000
20000
30000
40000
50000
60000
70000

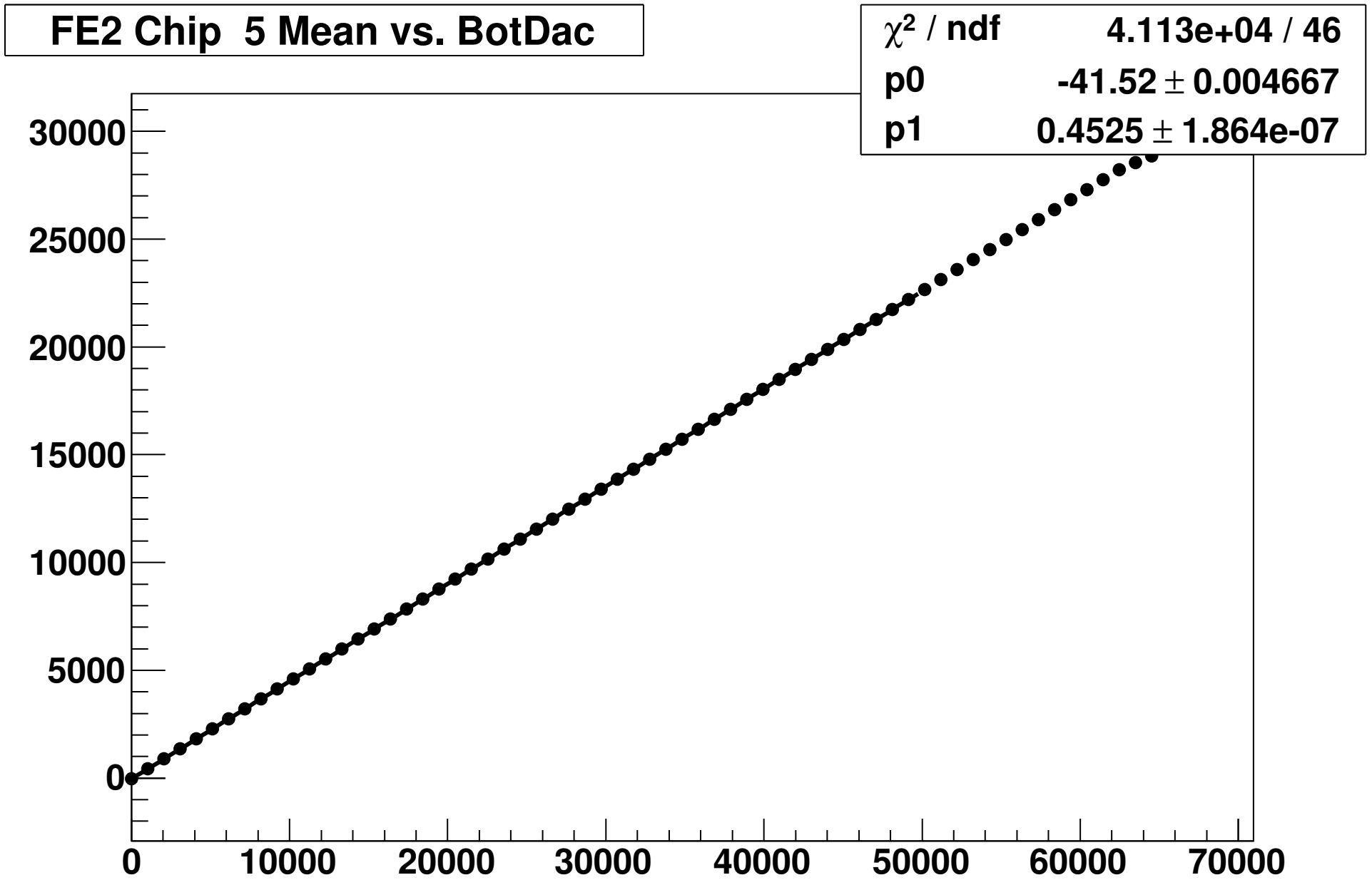

FE2 Chip 3 Rms vs. TopDac
χ² / ndf 39.24 / 46
p0 1.539 ± 0.002504
p1 2.745e-06 ± 1.269e-06
1.59
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000

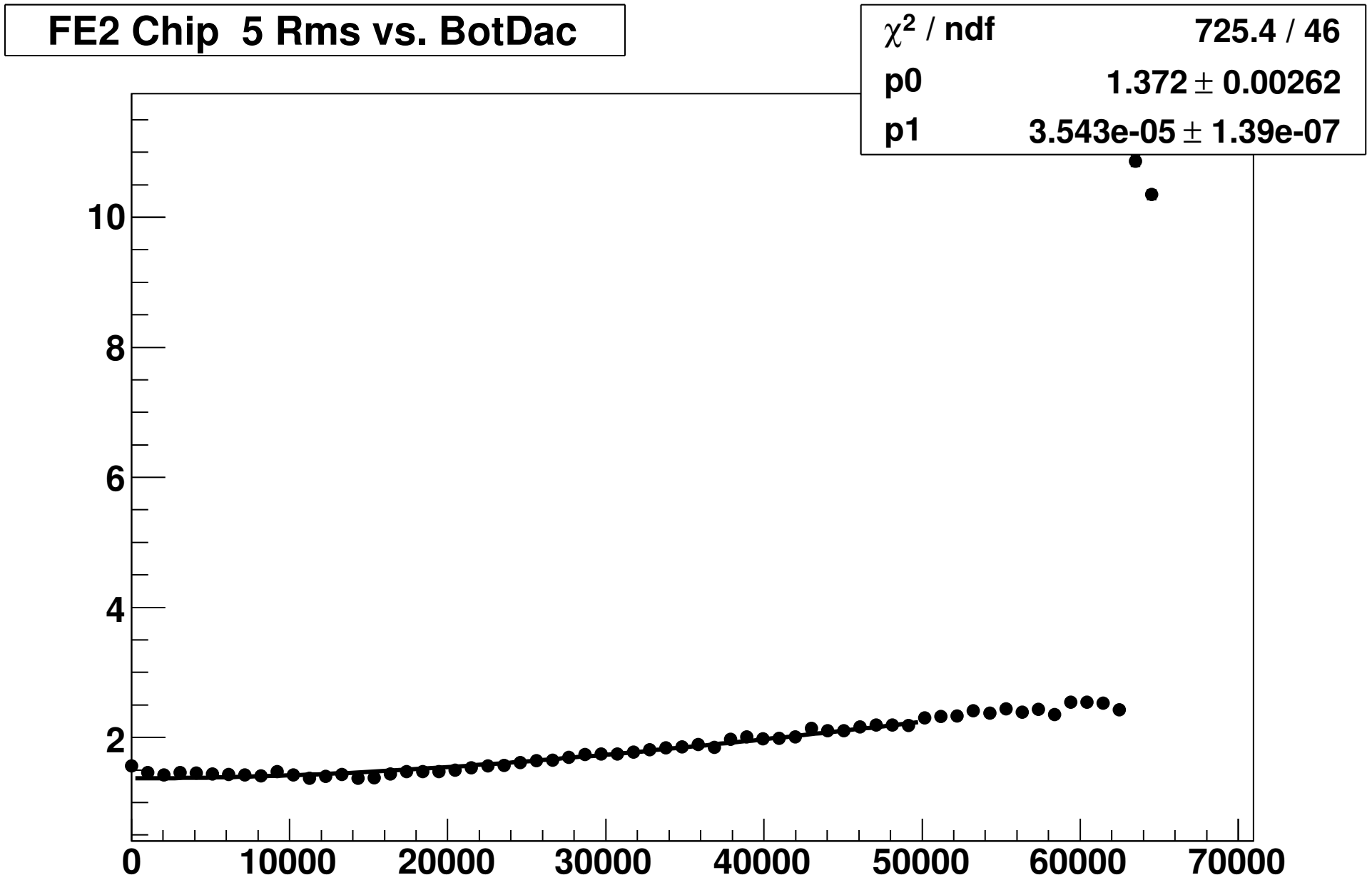

FE2 Chip 4 Mean vs. BotDac
χ² / ndf 9.336e+04 / 46
p0 -38.26 ± 0.004716
p1 0.4525 ± 1.878e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

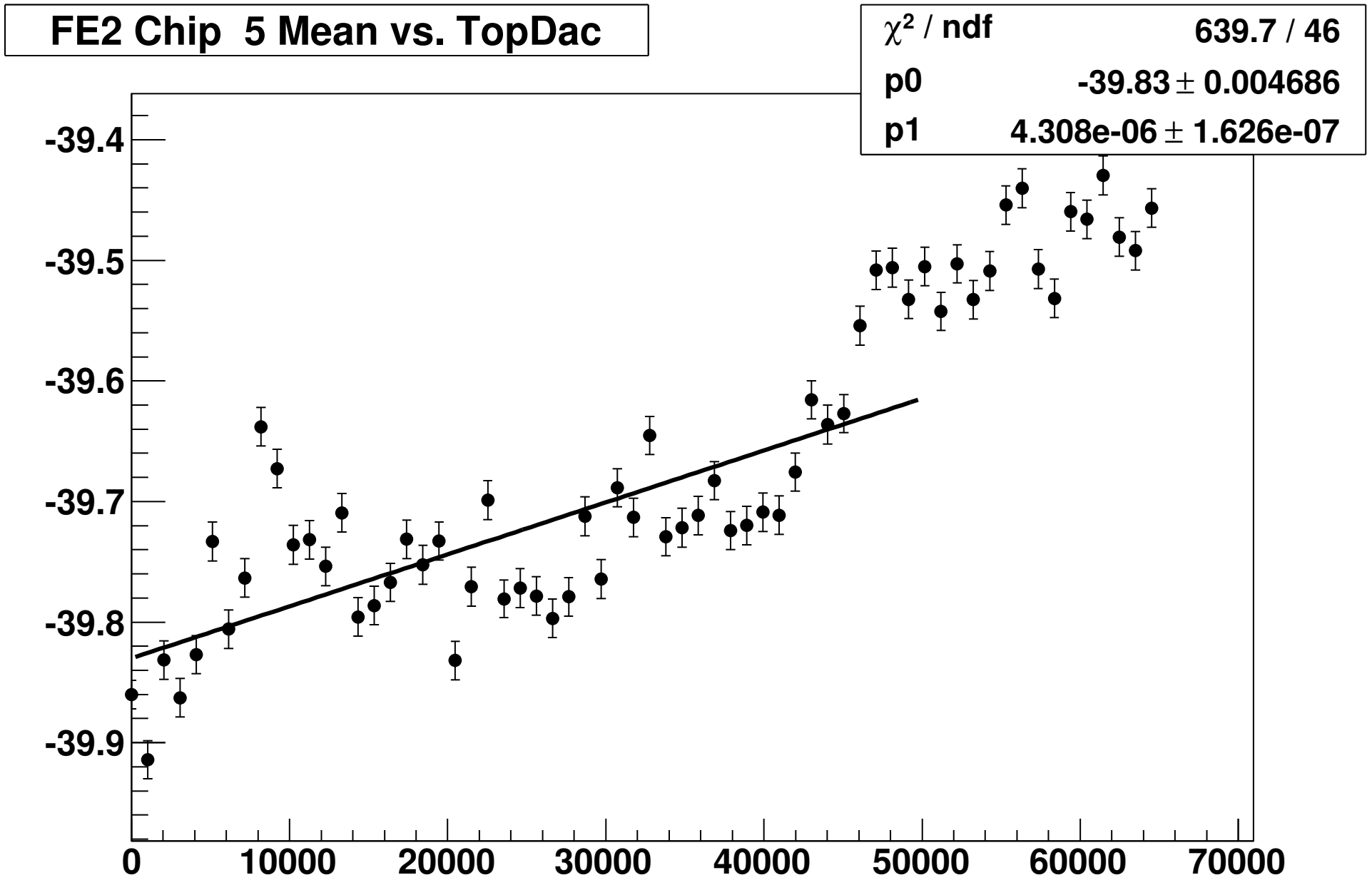

FE2 Chip 4 Rms vs. BotDac
χ² / ndf 883.2 / 46
p0 1.392 ± 0.002645
p1 3.532e-05 ± 1.413e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Mean vs. TopDac
χ² / ndf 726.7 / 46
p0 -37 ± 0.004662
p1 4.501e-06 ± 1.62e-07
-36.6
-36.7
-36.8
-36.9
-37
-37.1
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 4 Rms vs. TopDac
χ² / ndf 45.65 / 46
p0 1.508 ± 0.002449
p1 3.098e-06 ± 1.081e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. BotDac
χ² / ndf 4.113e+04 / 46
p0 -41.52 ± 0.004667
p1 0.4525 ± 1.864e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Rms vs. BotDac
χ² / ndf 725.4 / 46
p0 1.372 ± 0.00262
p1 3.543e-05 ± 1.39e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 639.7 / 46
p0 -39.83 ± 0.004686
p1 4.308e-06 ± 1.626e-07
-39.4
-39.5
-39.6
-39.7
-39.8
-39.9
0
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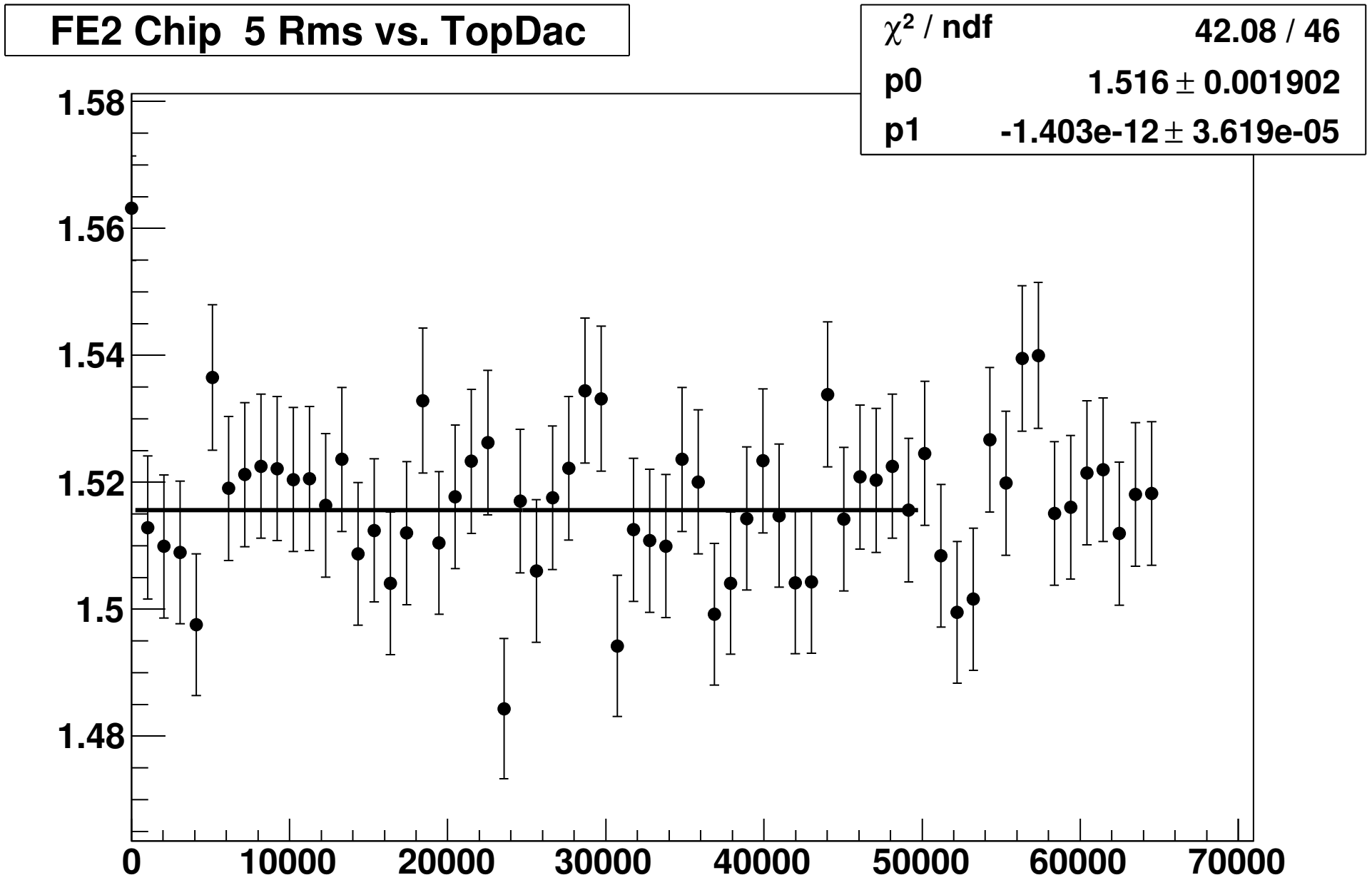
70000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 42.08 / 46
p0 1.516 ± 0.001902
p1 -1.403e-12 ± 3.619e-05
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
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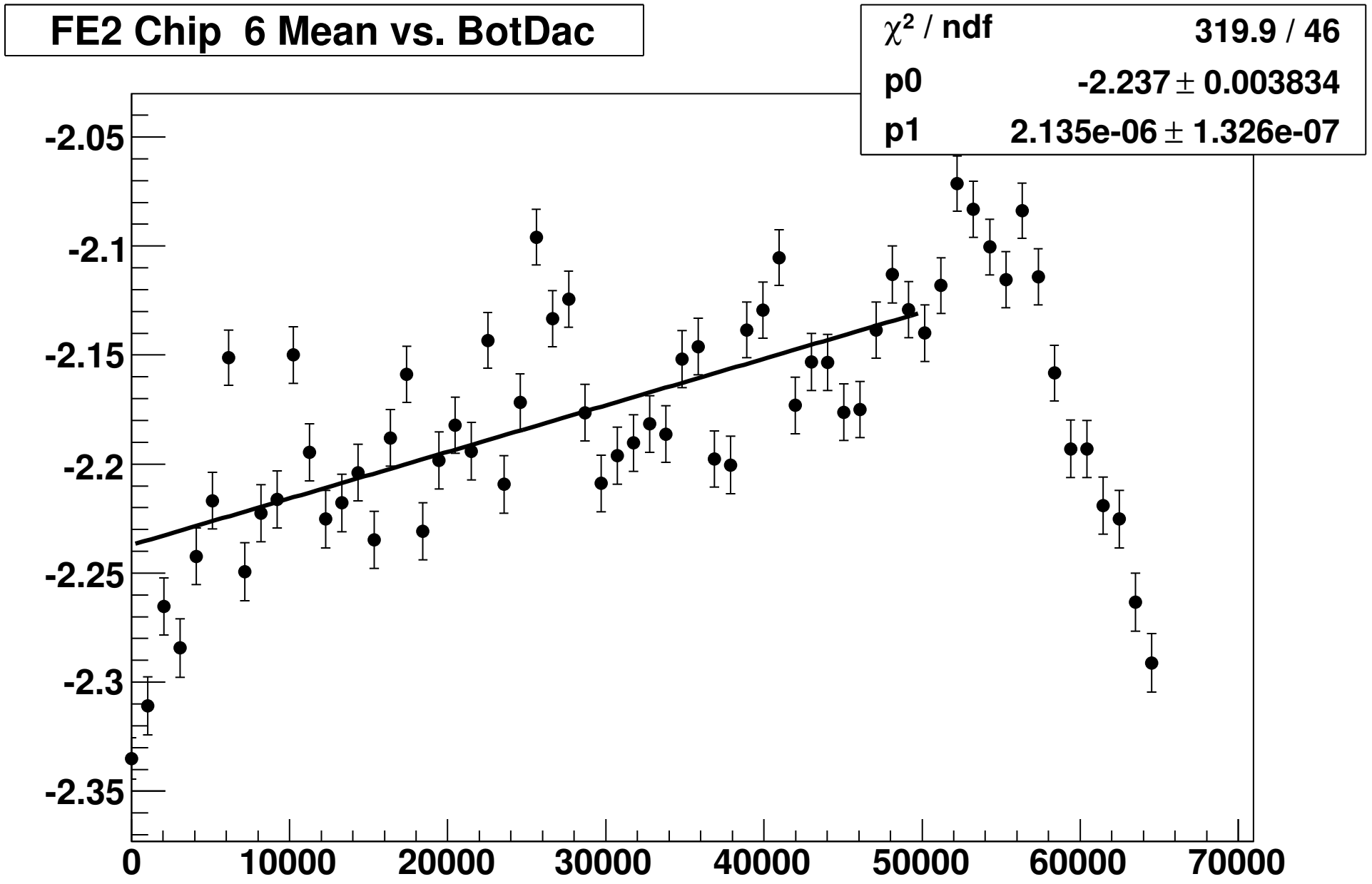
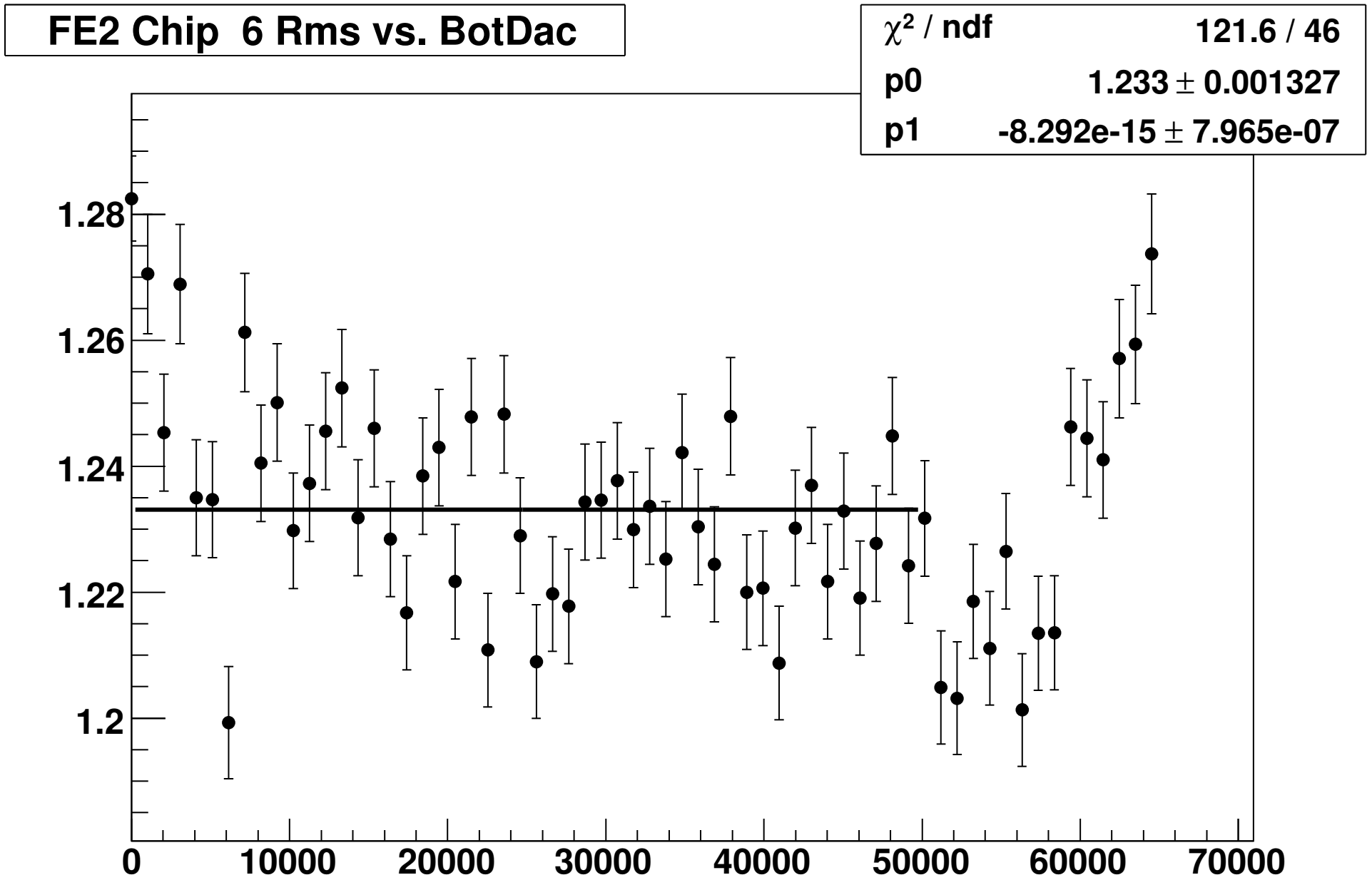
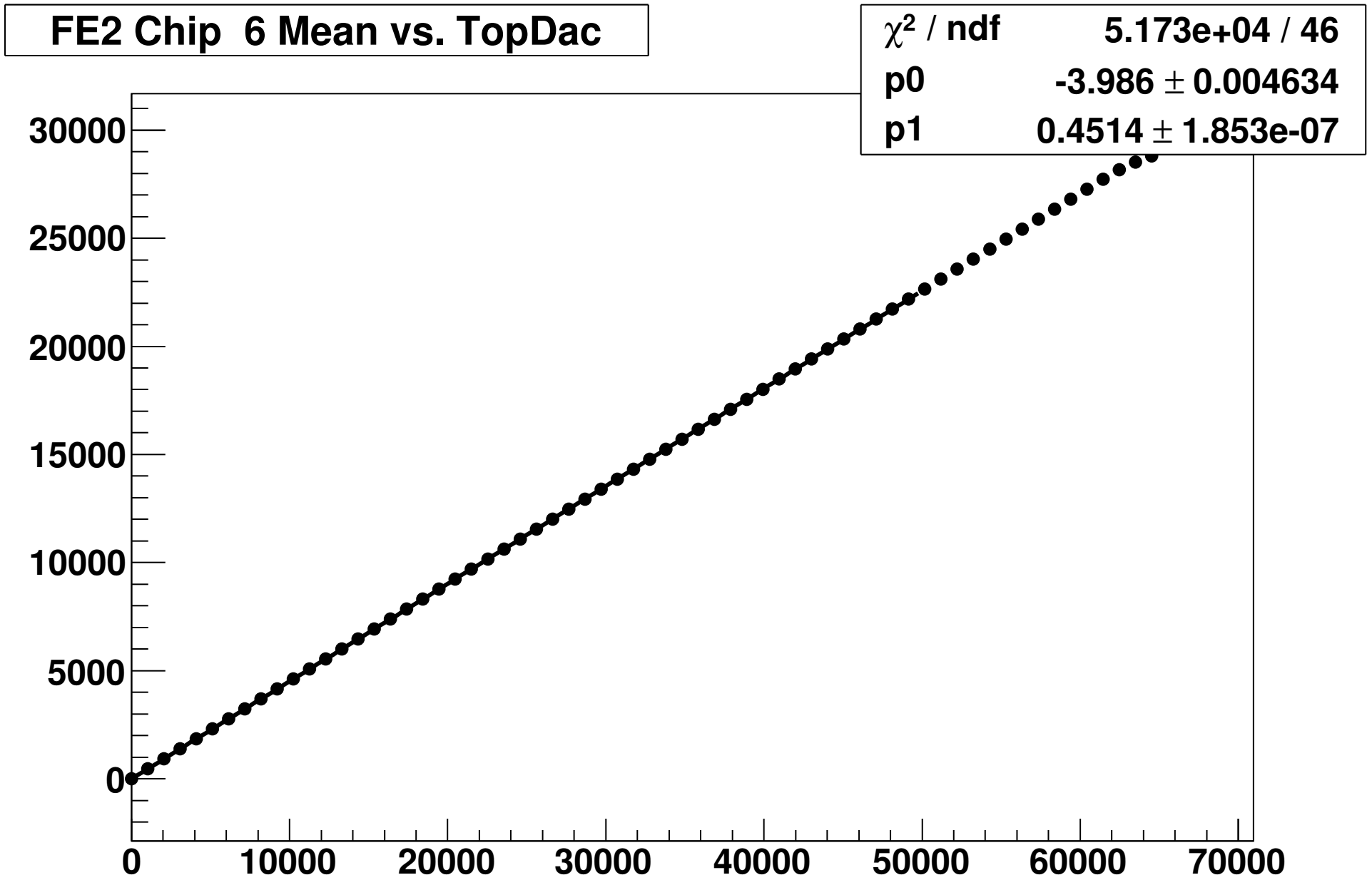
40000
50000
60000
70000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 319.9 / 46
p0 -2.237 ± 0.003834
p1 2.135e-06 ± 1.326e-07
-2.05
-2.1
-2.15
-2.2
-2.25
-2.3
-2.35
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 121.6 / 46
p0 1.233 ± 0.001327
p1 -8.292e-15 ± 7.965e-07
1.28
1.26
1.24
1.22
1.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 5.173e+04 / 46
p0 -3.986 ± 0.004634
p1 0.4514 ± 1.853e-07
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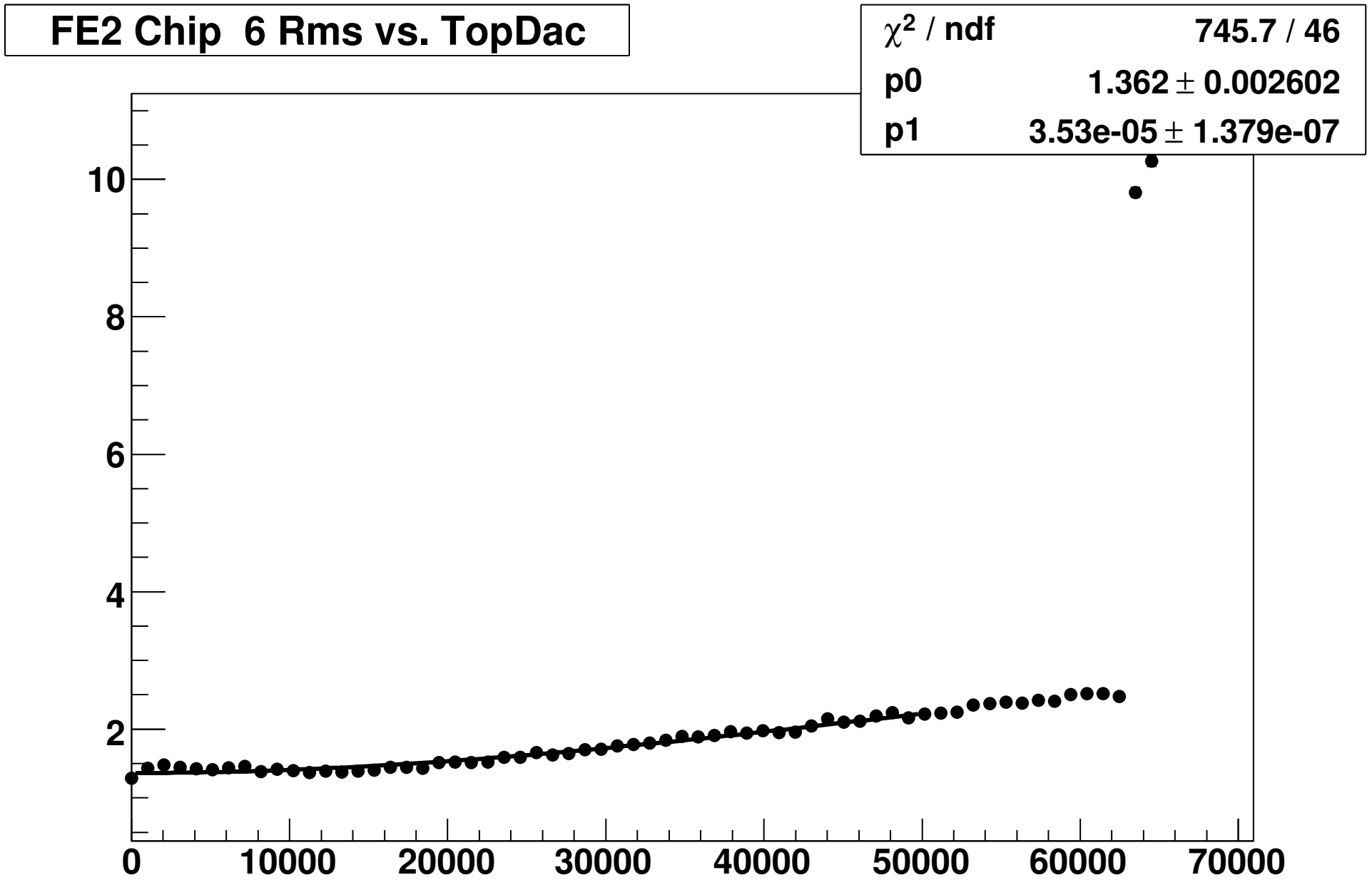
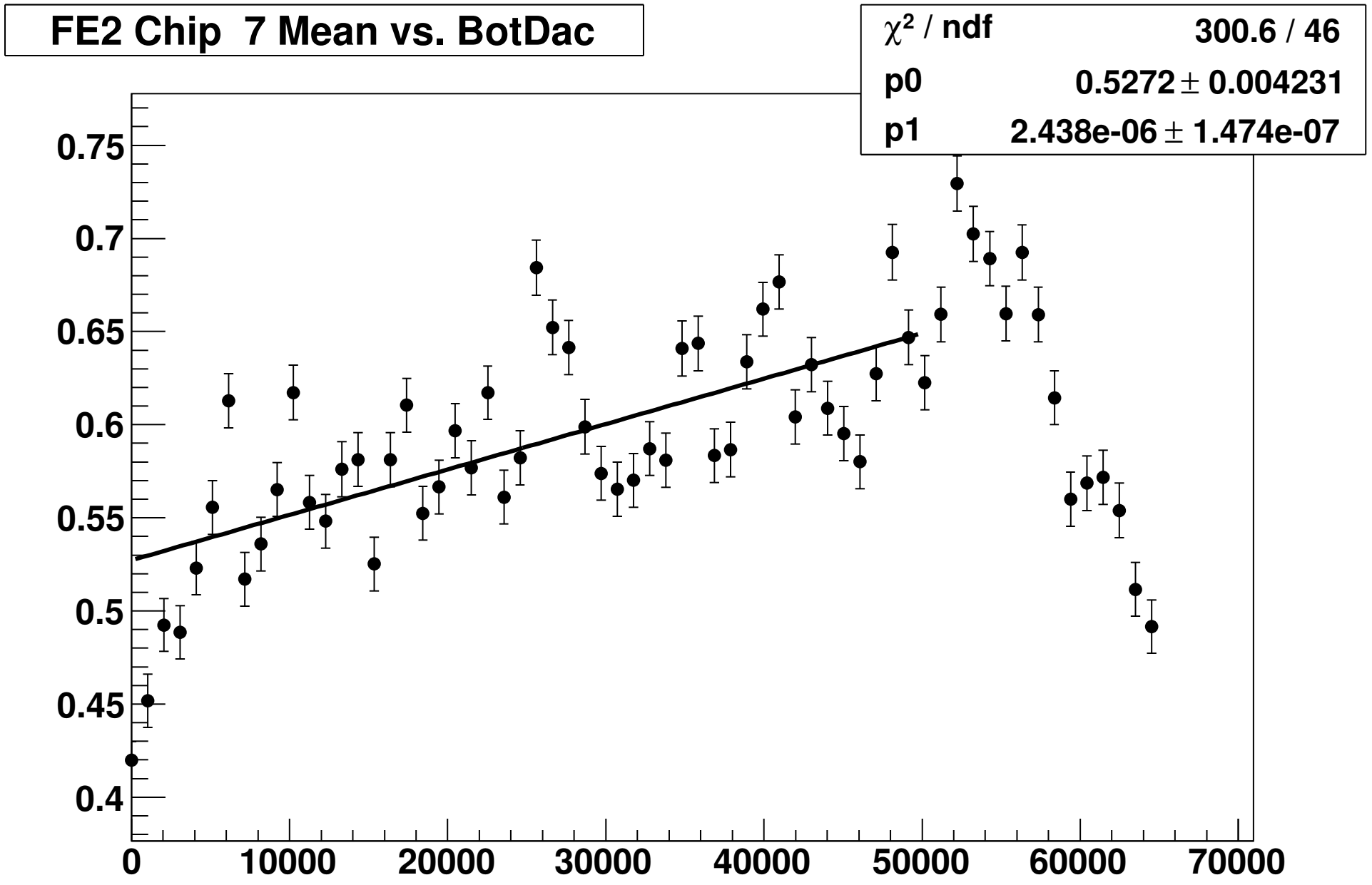
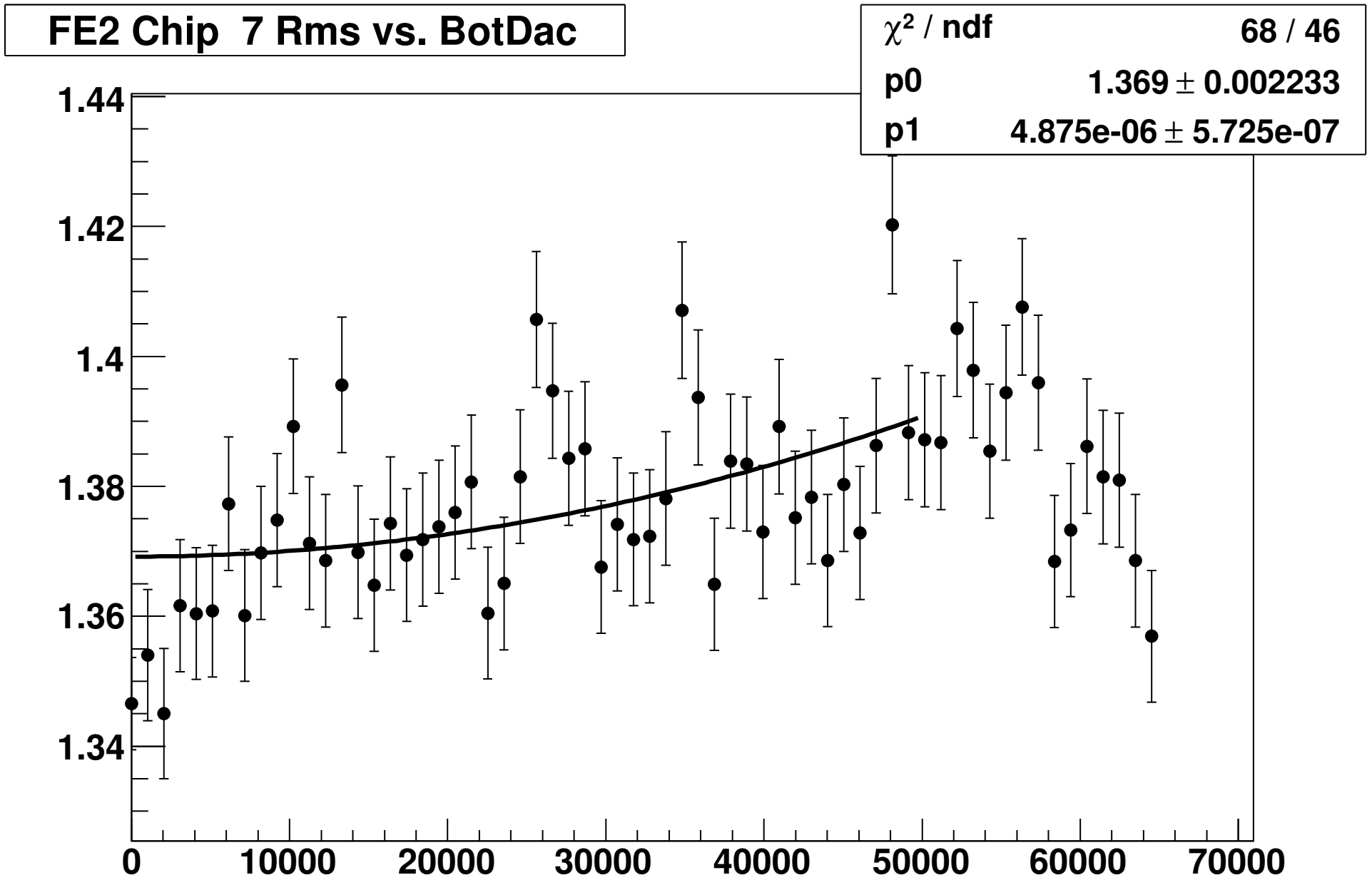
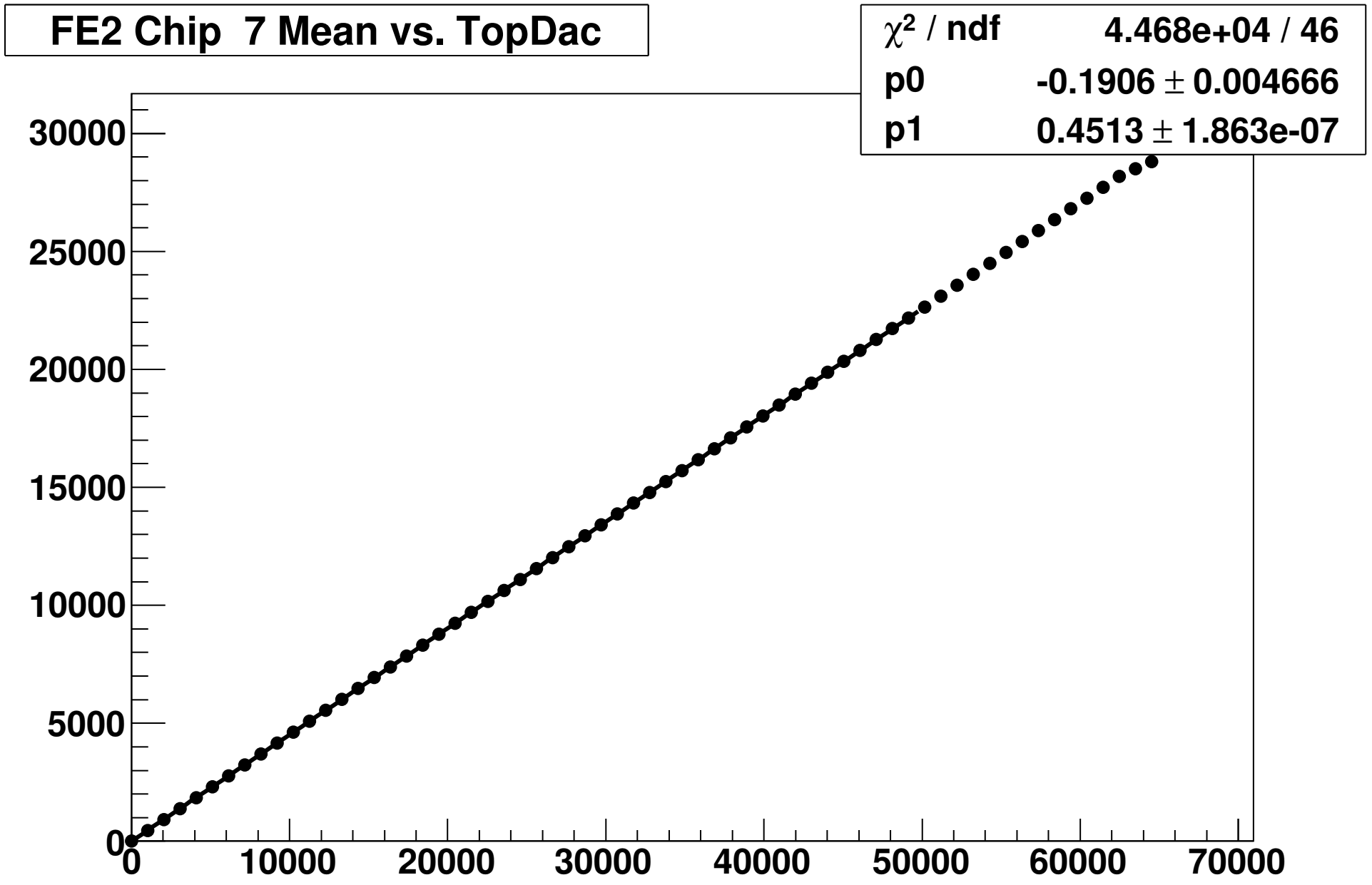
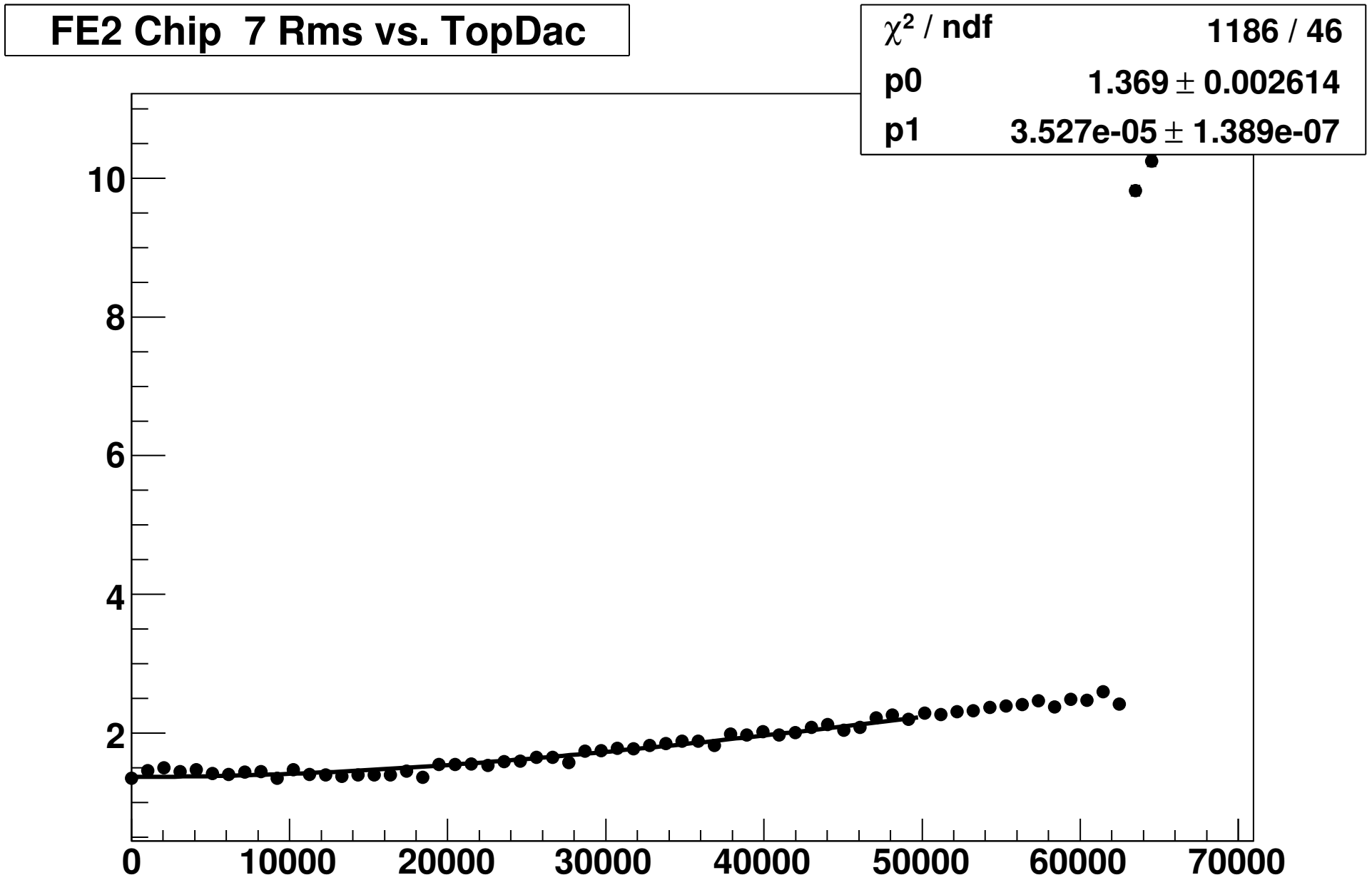
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

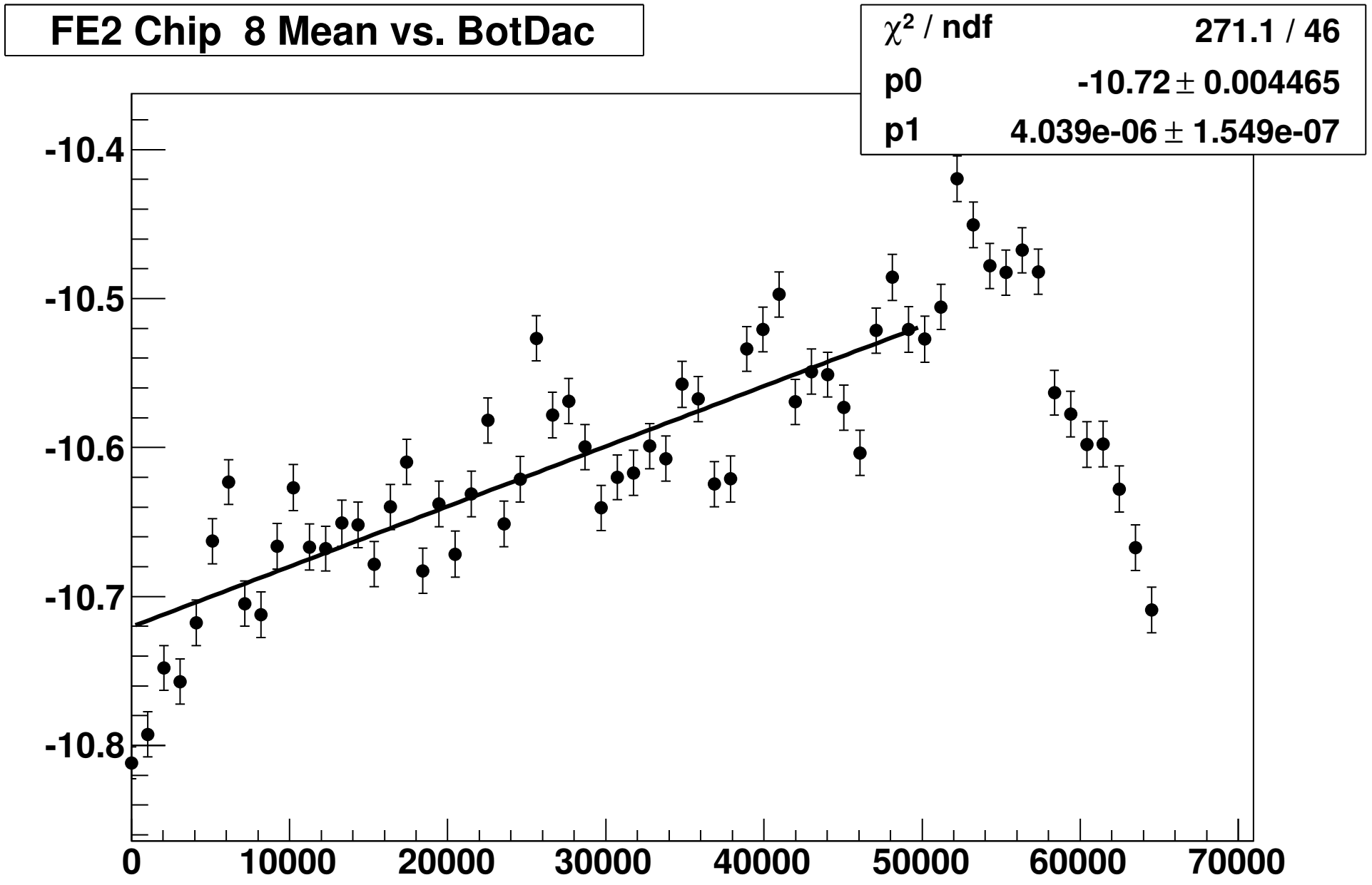

FE2 Chip 6 Rms vs. TopDac
χ² / ndf 745.7 / 46
p0 1.362 ± 0.002602
p1 3.53e-05 ± 1.379e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

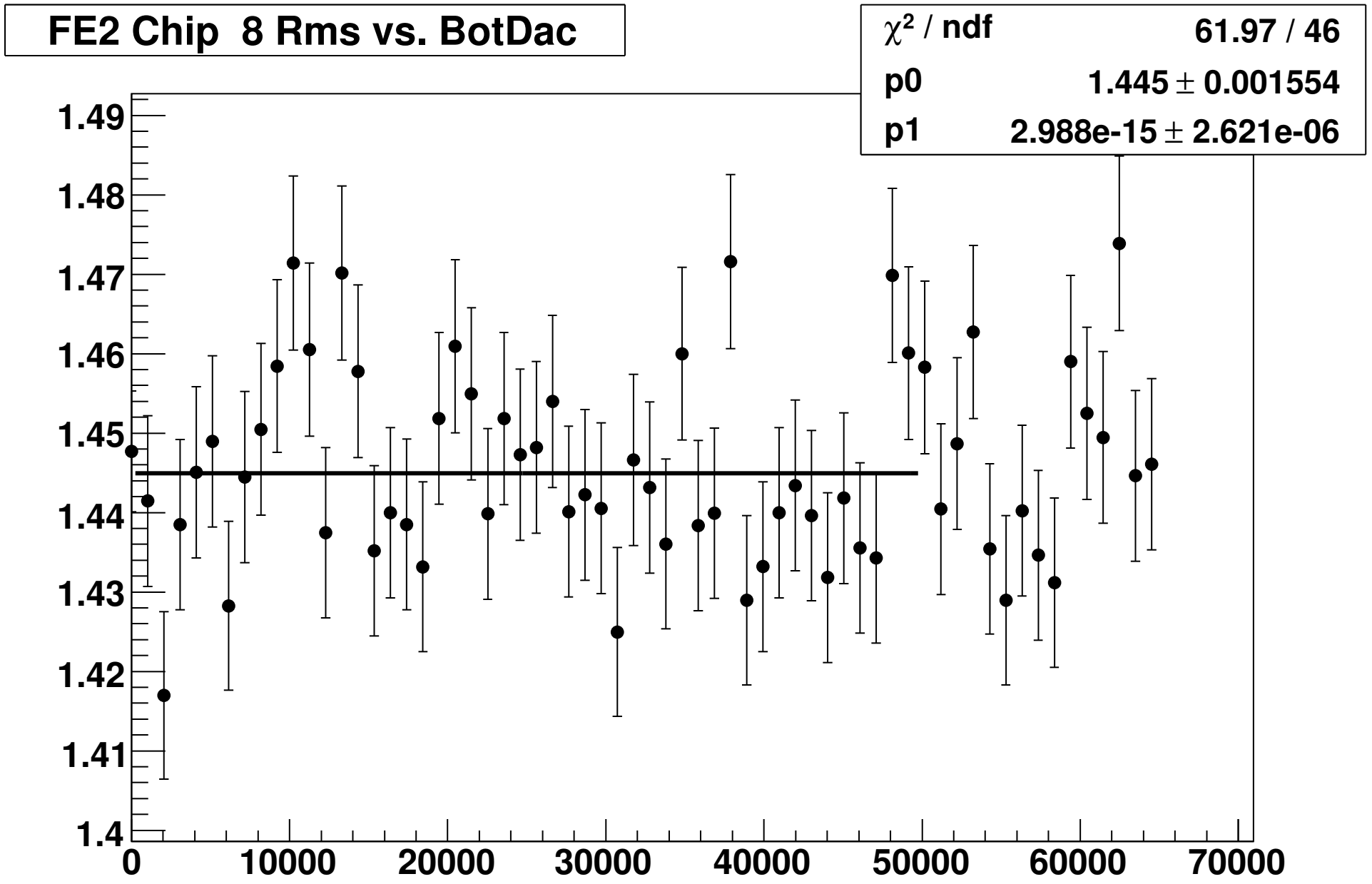

FE2 Chip 7 Mean vs. BotDac
χ² / ndf 300.6 / 46
p0 0.5272 ± 0.004231
p1 2.438e-06 ± 1.474e-07
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0
10000
20000
30000
40000
50000
60000
70000

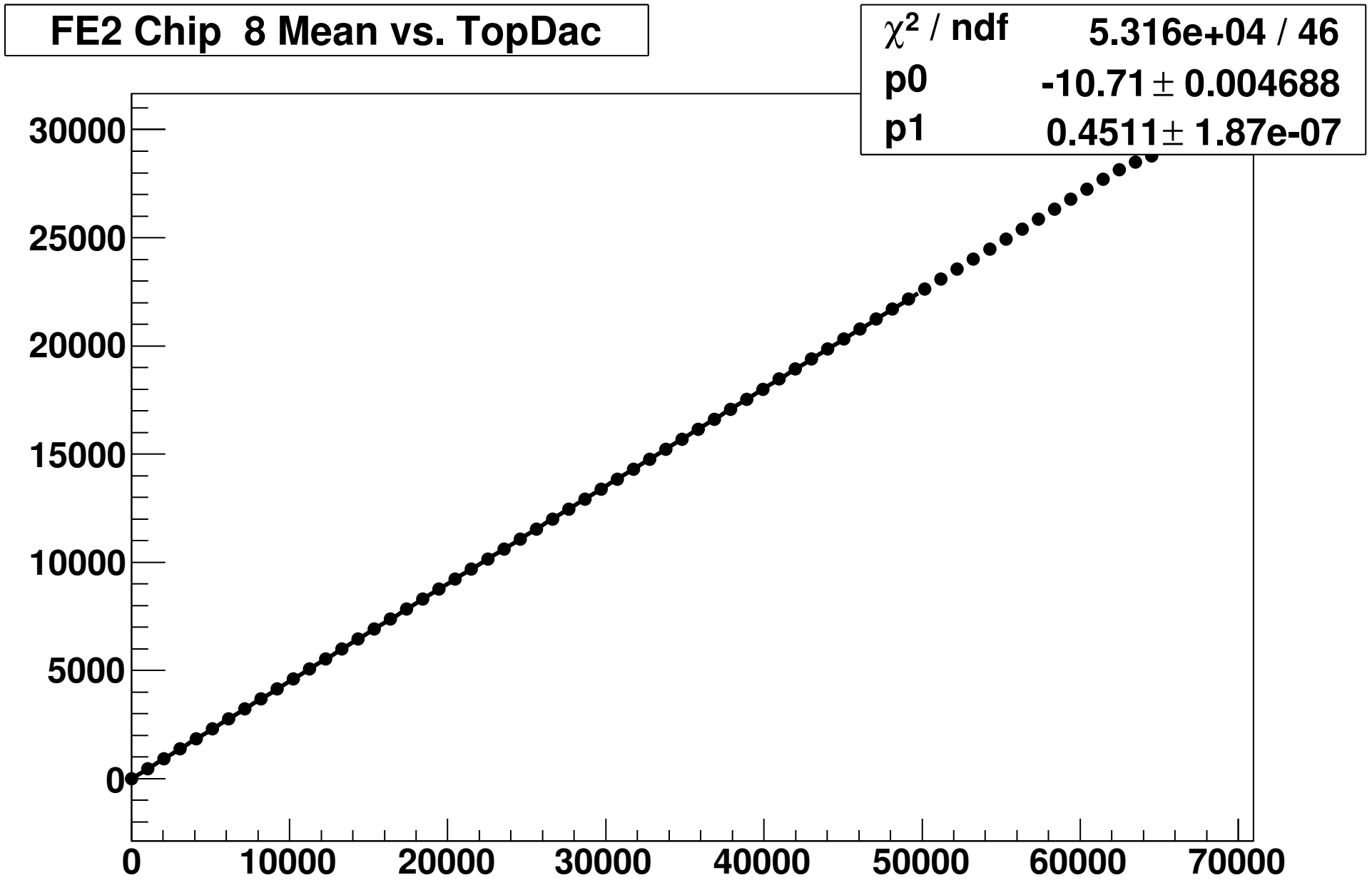

FE2 Chip 7 Rms vs. BotDac
χ² / ndf 68 / 46
p0 1.369 ± 0.002233
p1 4.875e-06 ± 5.725e-07
1.44
1.42
1.4
1.38
1.36
1.34
0
10000
20000
30000
40000
50000
60000
70000

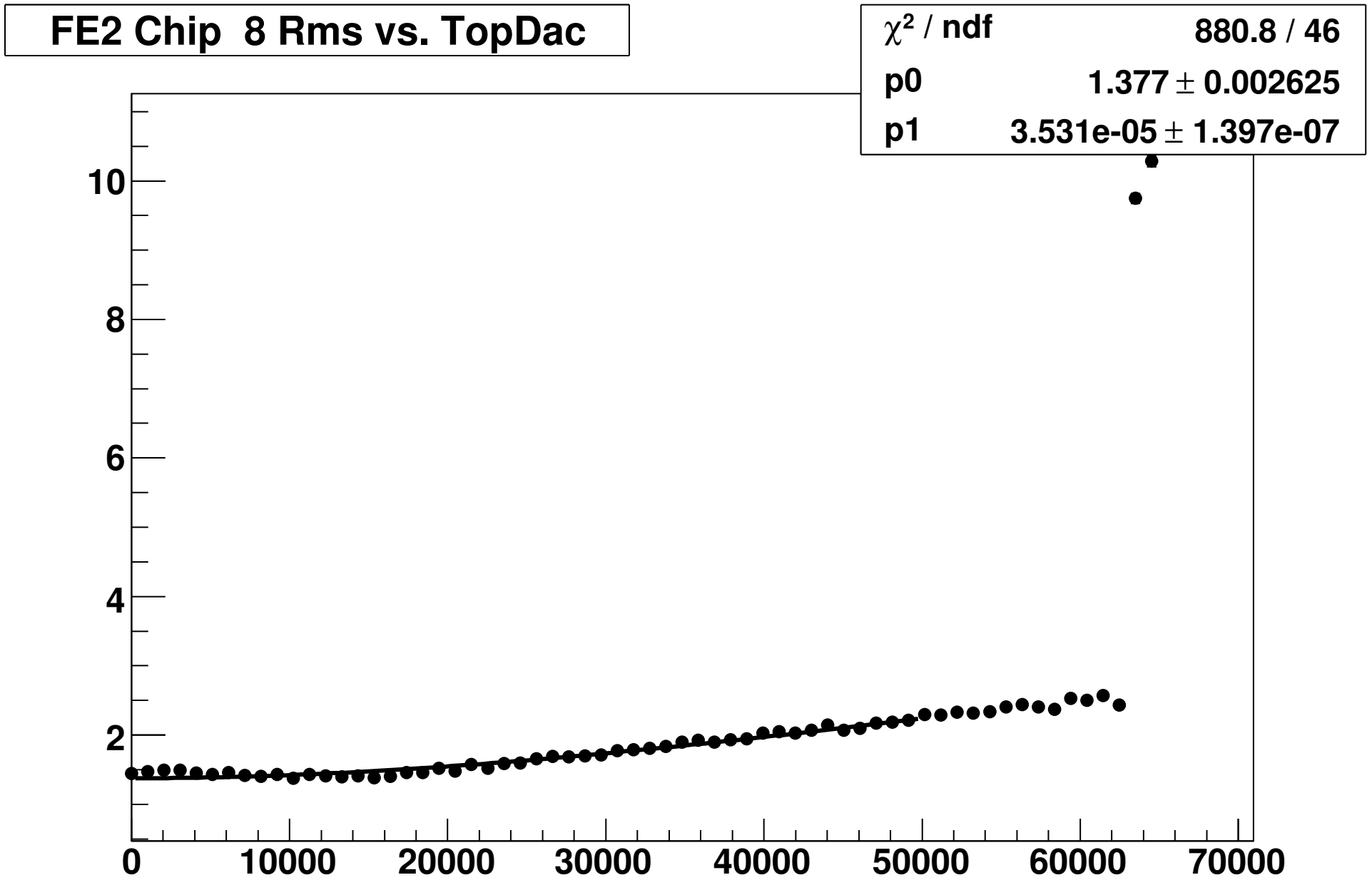

FE2 Chip 7 Mean vs. TopDac
χ² / ndf 4.468e+04 / 46
p0 -0.1906 ± 0.004666
p1 0.4513 ± 1.863e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 7 Rms vs. TopDac
χ² / ndf 1186 / 46
p0 1.369 ± 0.002614
p1 3.527e-05 ± 1.389e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. BotDac
χ² / ndf 271.1 / 46
p0 -10.72 ± 0.004465
p1 4.039e-06 ± 1.549e-07
-10.4
-10.5
-10.6
-10.7
-10.8
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 61.97 / 46
p0 1.445 ± 0.001554
p1 2.988e-15 ± 2.621e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 5.316e+04 / 46
p0 -10.71 ± 0.004688
p1 0.4511 ± 1.87e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 880.8 / 46
p0 1.377 ± 0.002625
p1 3.531e-05 ± 1.397e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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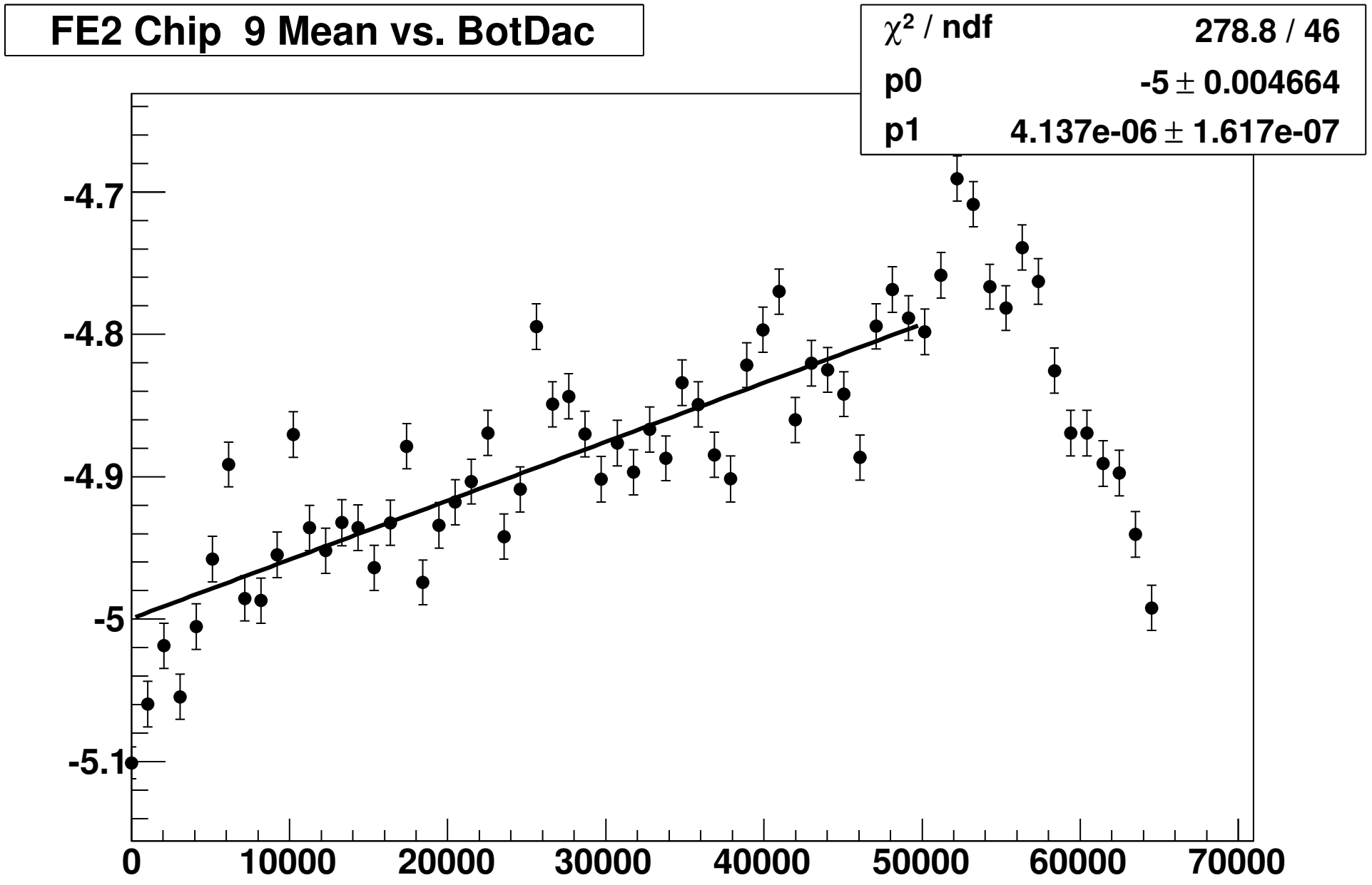
FE2 Chip 9 Mean vs. BotDac
χ² / ndf 278.8 / 46
p0 -5 ± 0.004664
p1 4.137e-06 ± 1.617e-07
-4.7
-4.8
-4.9
-5
-5.1
0
10000
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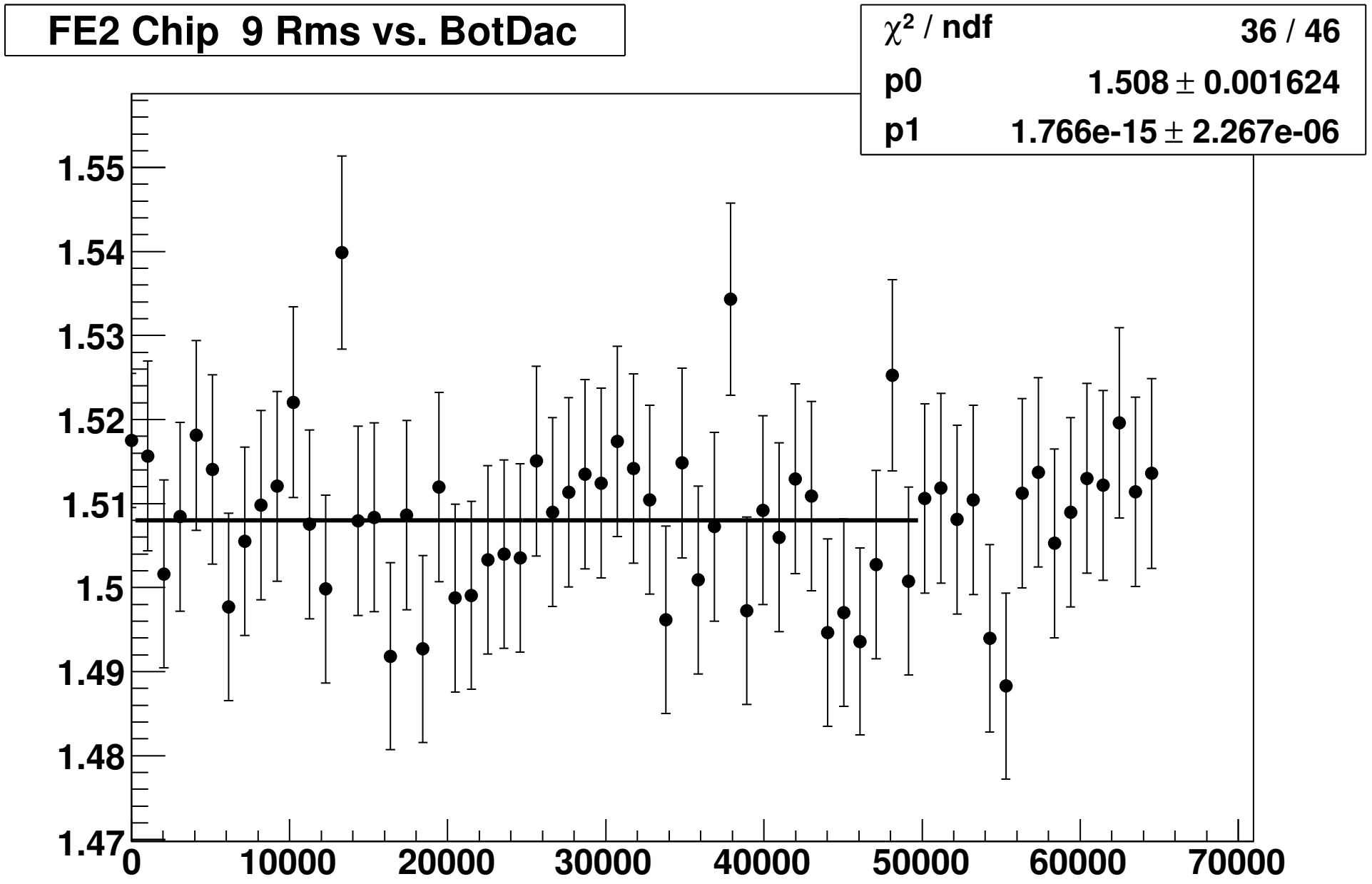
FE2 Chip 9 Rms vs. BotDac
χ² / ndf 36 / 46
p0 1.508 ± 0.001624
p1 1.766e-15 ± 2.267e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
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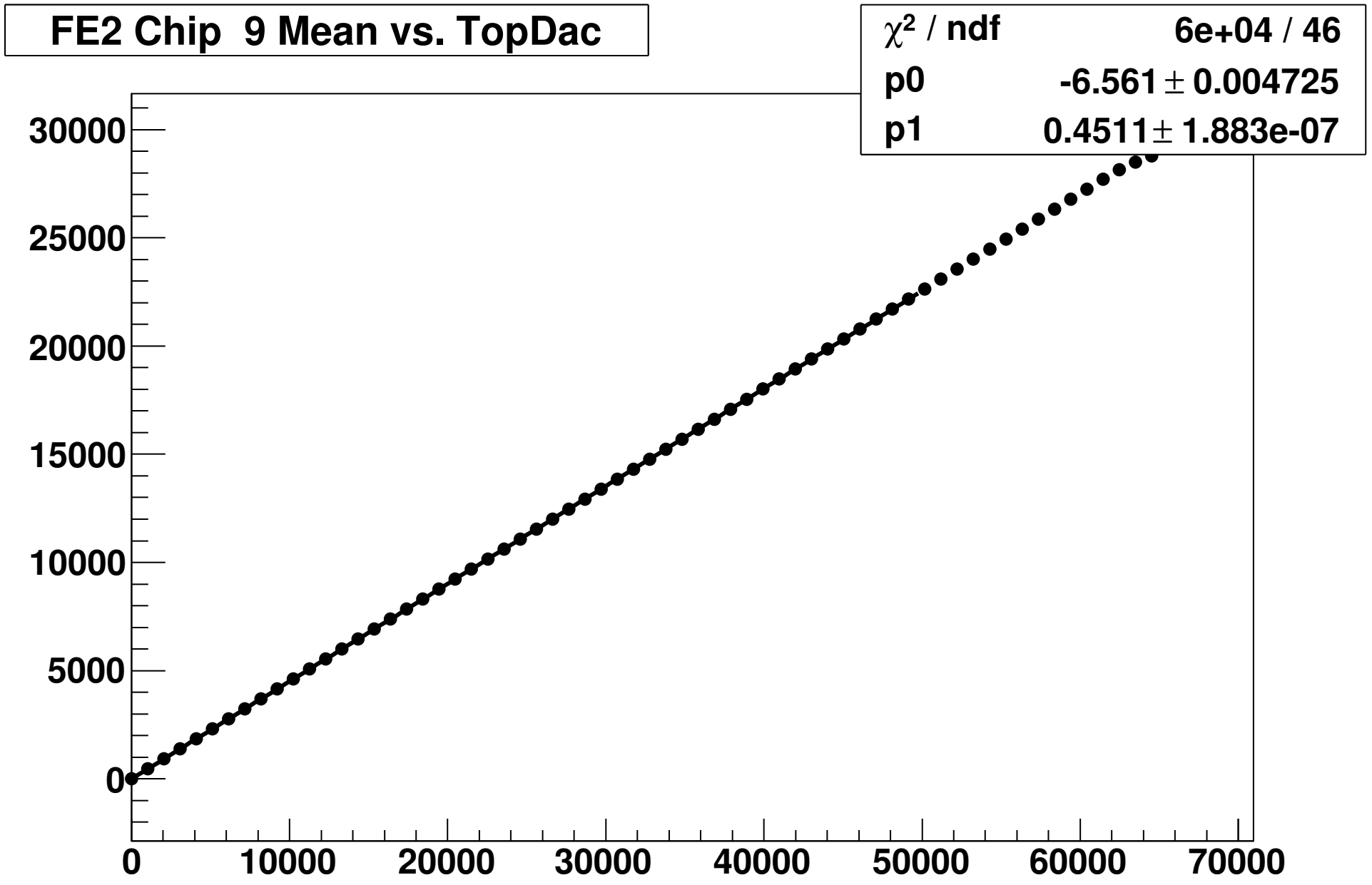
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 6e+04 / 46
p0 -6.561 ± 0.004725
p1 0.4511 ± 1.883e-07
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15000
10000
5000
0
0
10000
20000
30000
40000
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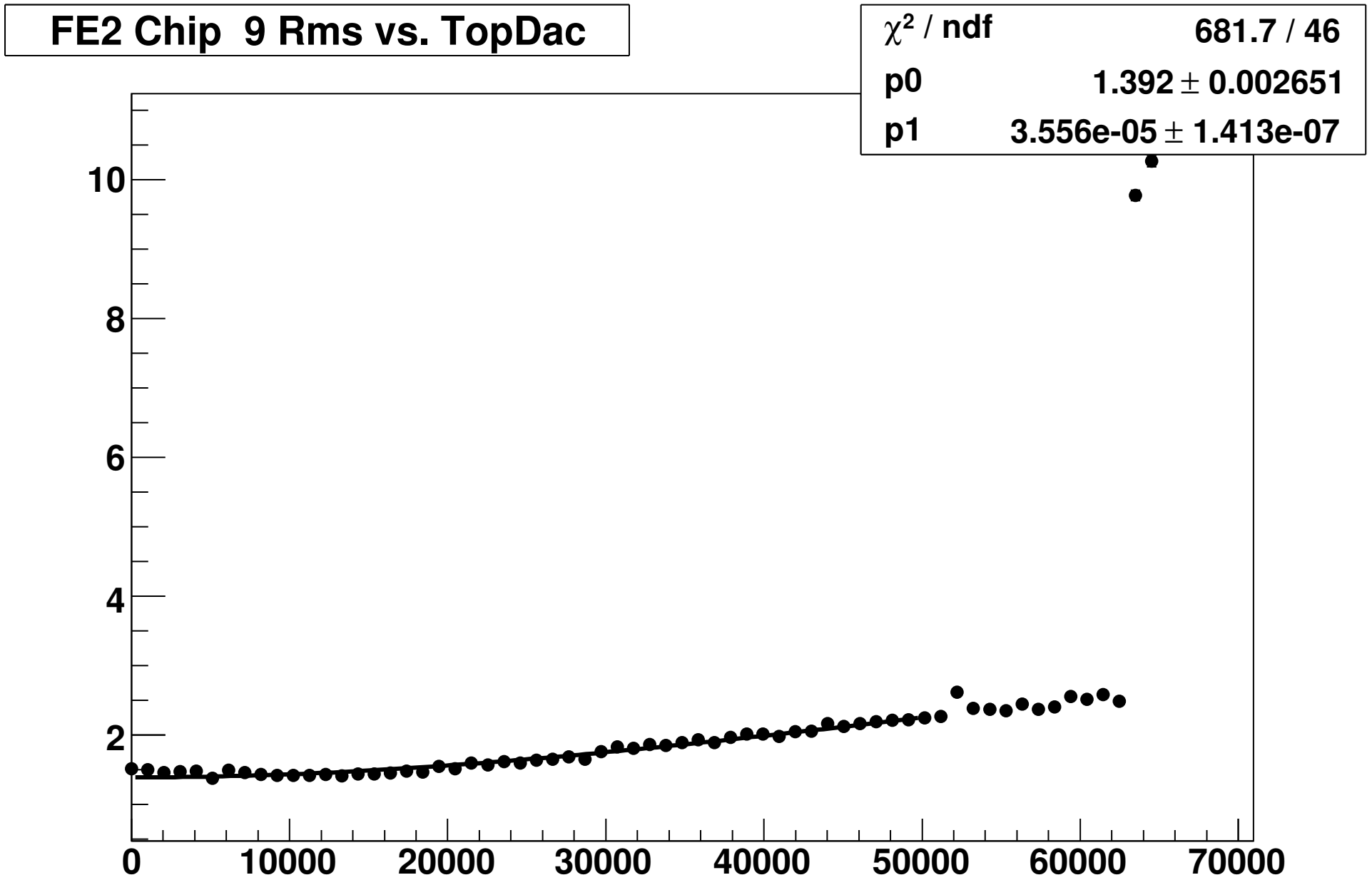
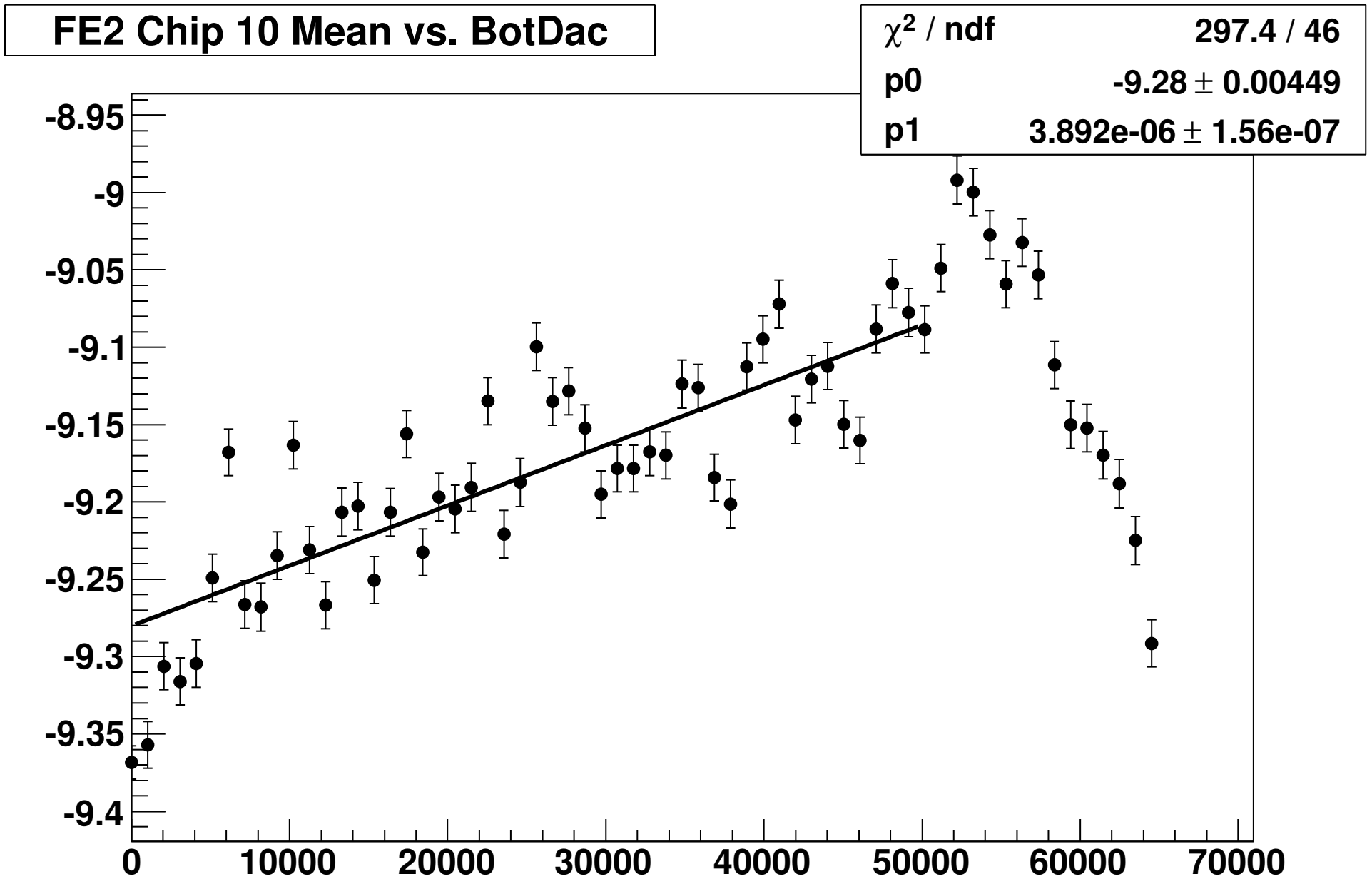
60000
70000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 681.7 / 46
p0 1.392 ± 0.002651
p1 3.556e-05 ± 1.413e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Mean vs. BotDac
χ² / ndf 297.4 / 46
p0 -9.28 ± 0.00449
p1 3.892e-06 ± 1.56e-07
-8.95
-9
-9.05
-9.1
-9.15
-9.2
-9.25
-9.3
-9.35
-9.4
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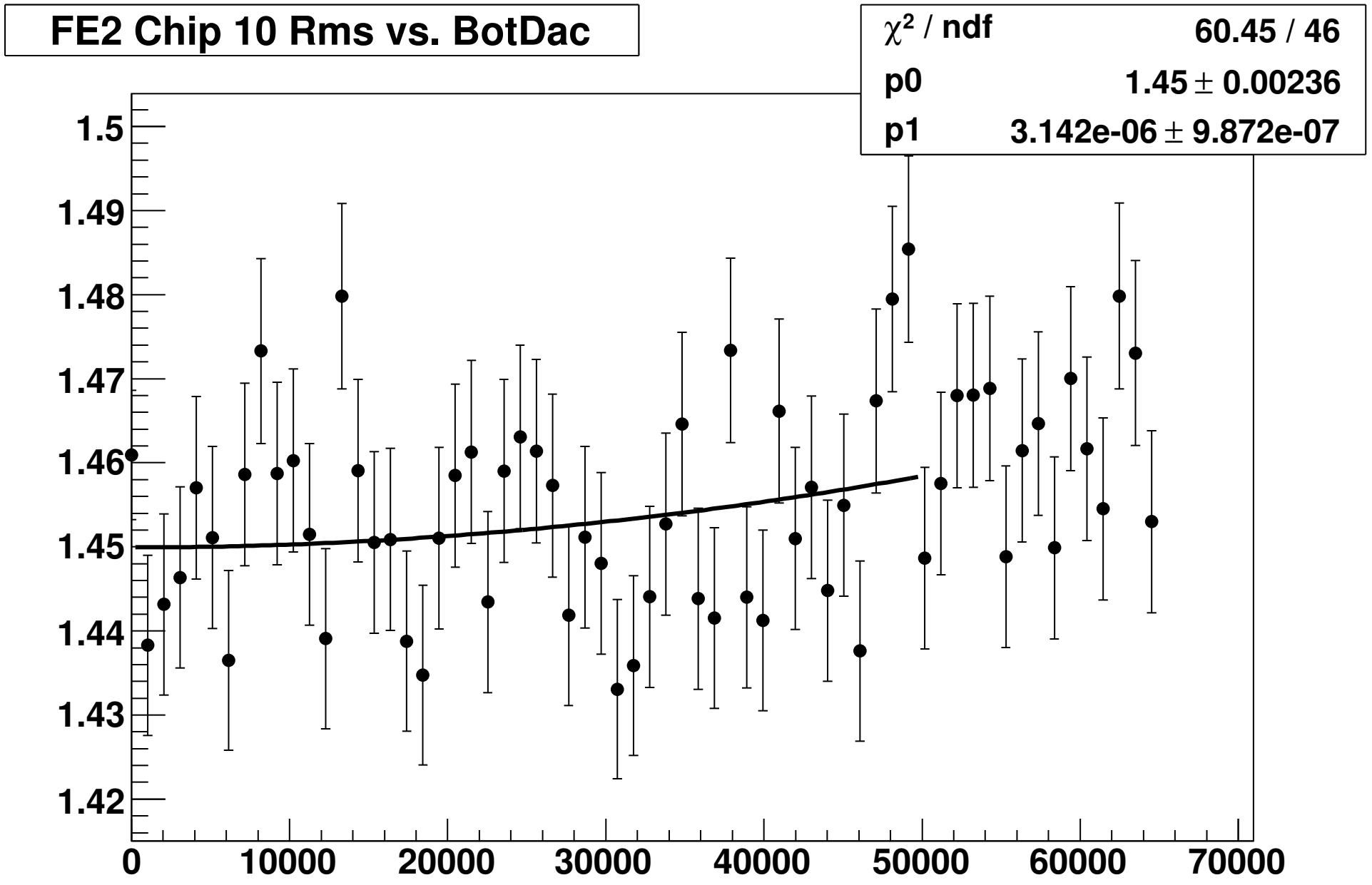
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 60.45 / 46
p0 1.45 ± 0.00236
p1 3.142e-06 ± 9.872e-07
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
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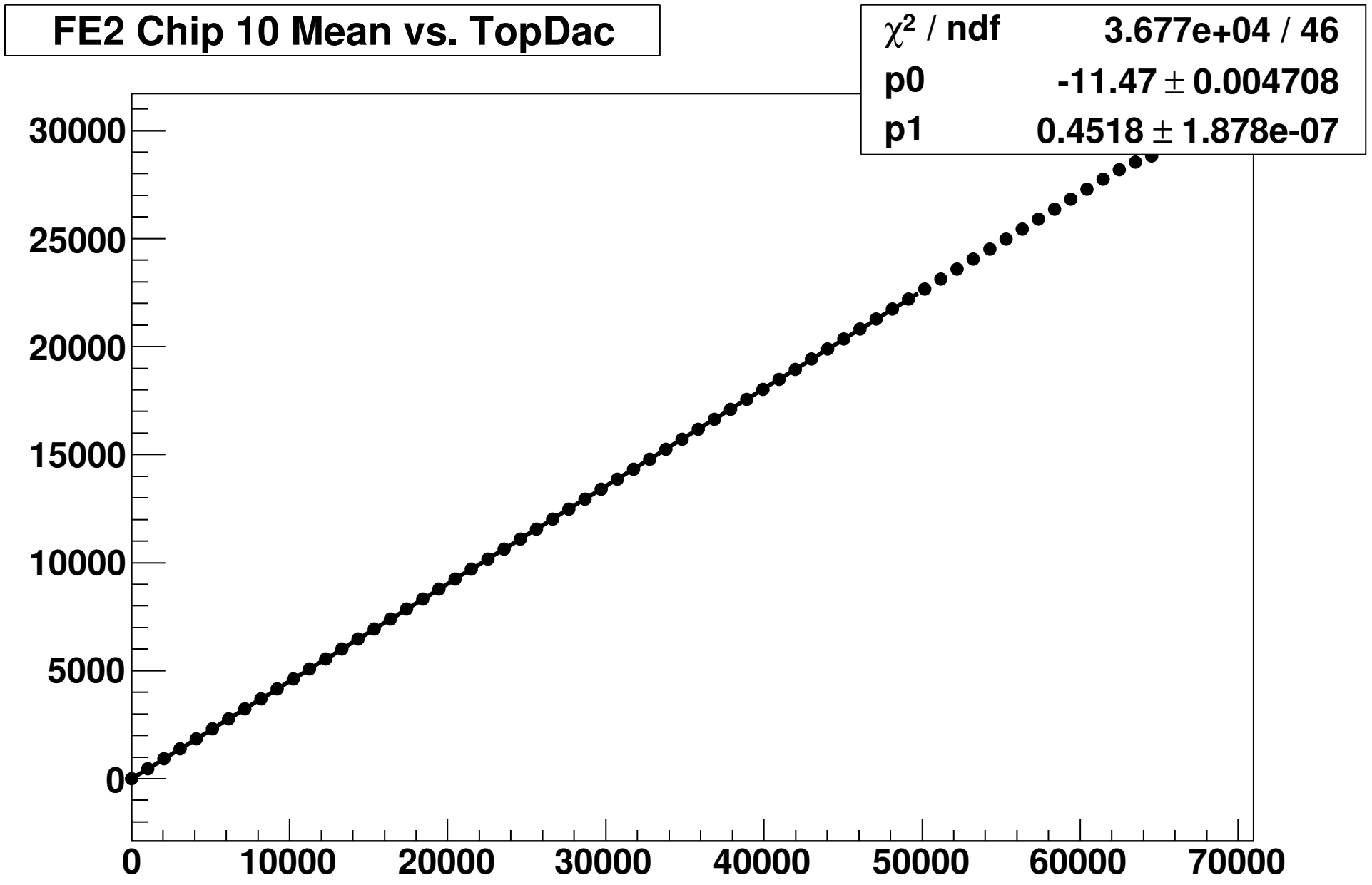
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 3.677e+04 / 46
p0 -11.47 ± 0.004708
p1 0.4518 ± 1.878e-07
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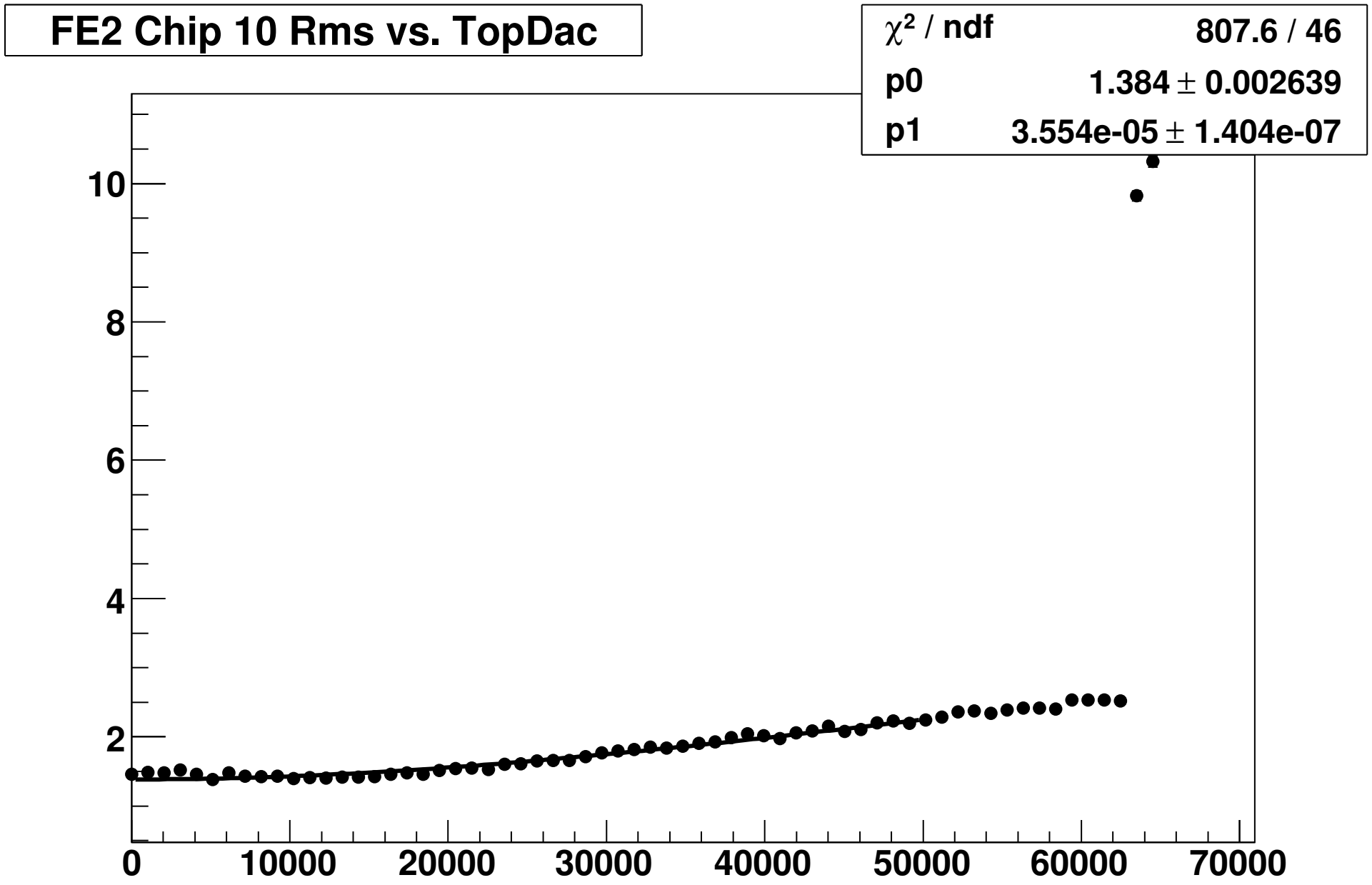
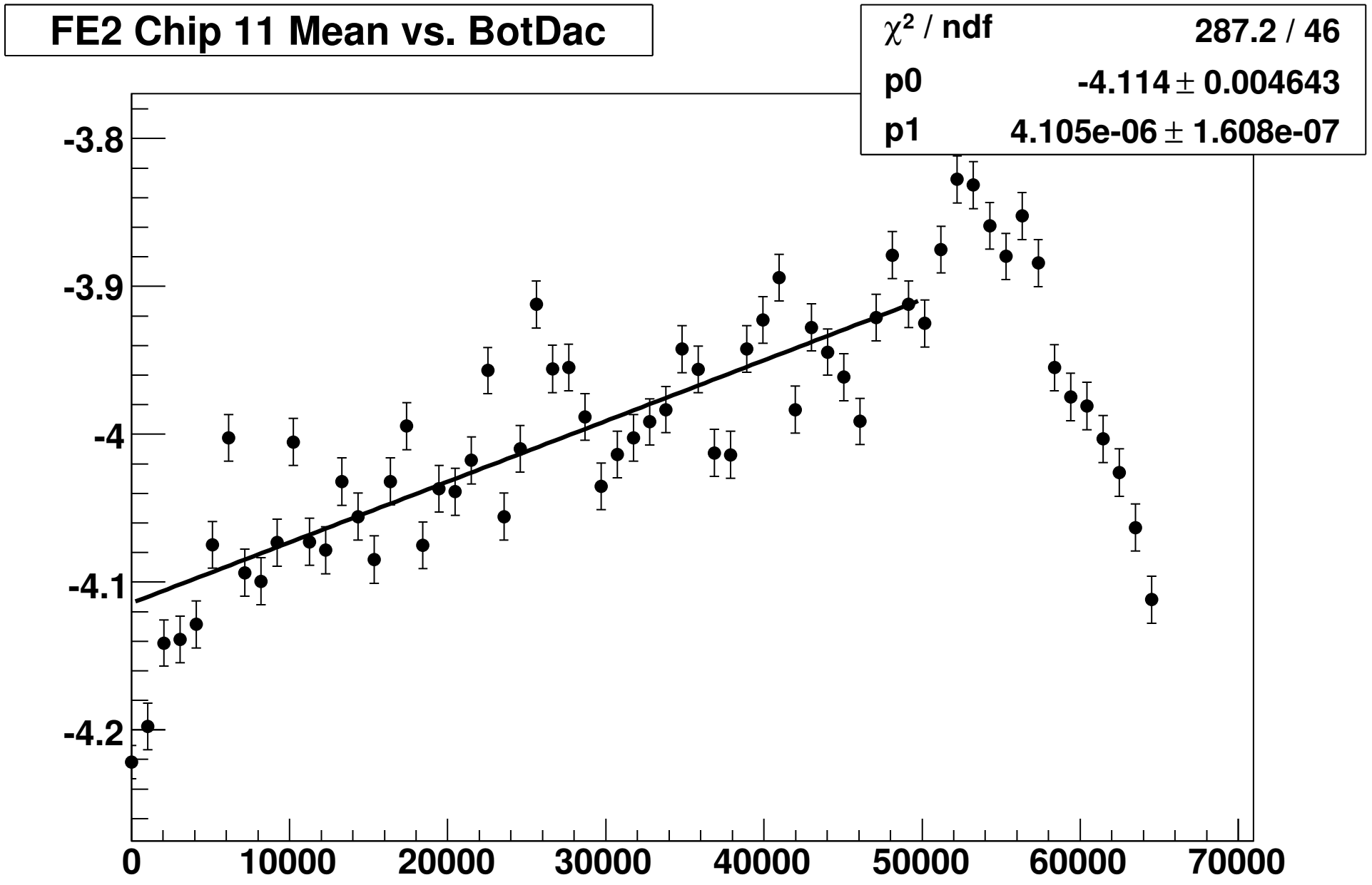
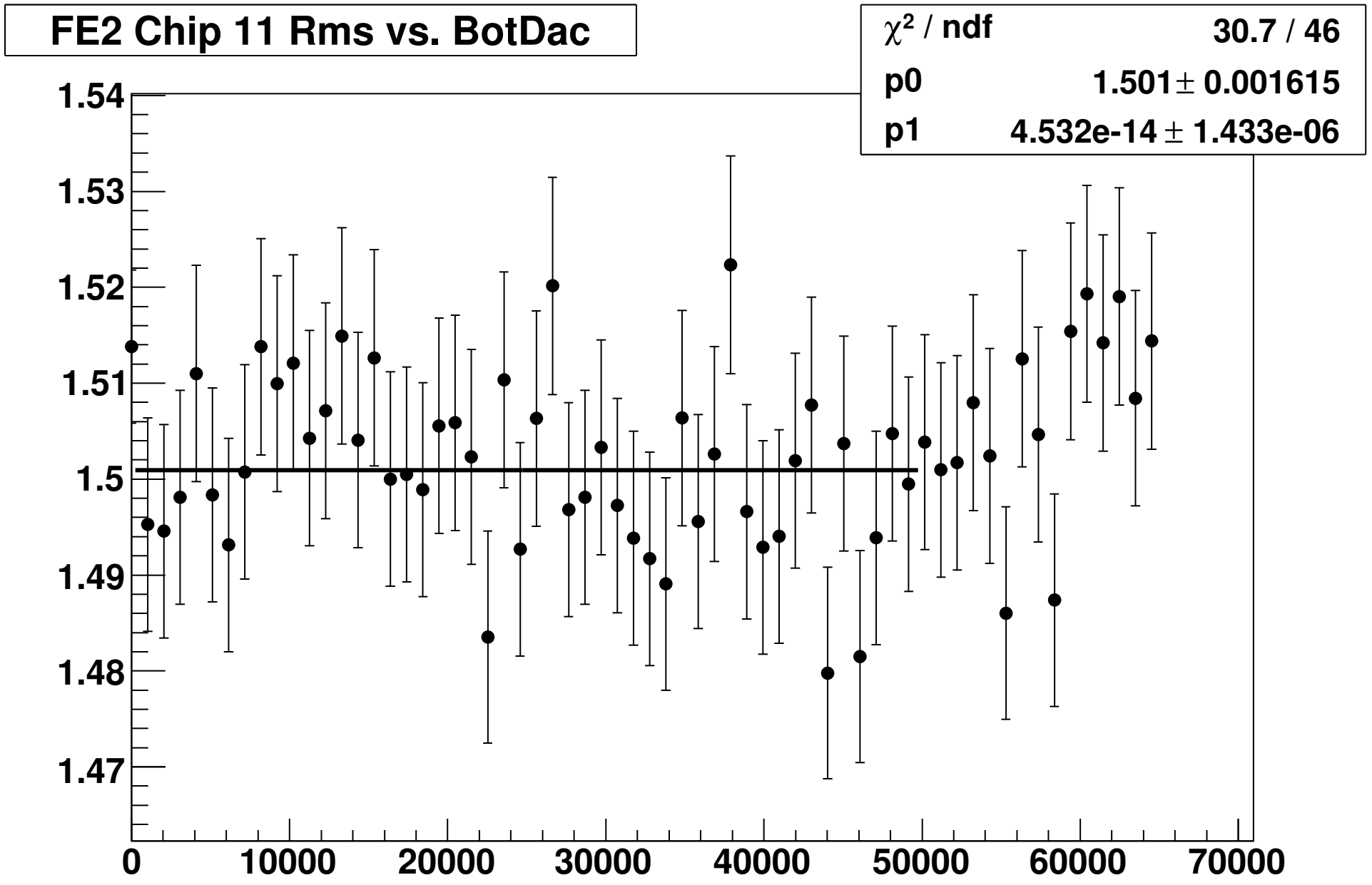
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 807.6 / 46
p0 1.384 ± 0.002639
p1 3.554e-05 ± 1.404e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Mean vs. BotDac
χ² / ndf 287.2 / 46
p0 -4.114 ± 0.004643
p1 4.105e-06 ± 1.608e-07
-3.8
-3.9
-4
-4.1
-4.2
0
10000
20000
30000
40000
50000
60000
70000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 30.7 / 46
p0 1.501 ± 0.001615
p1 4.532e-14 ± 1.433e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
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50000
60000
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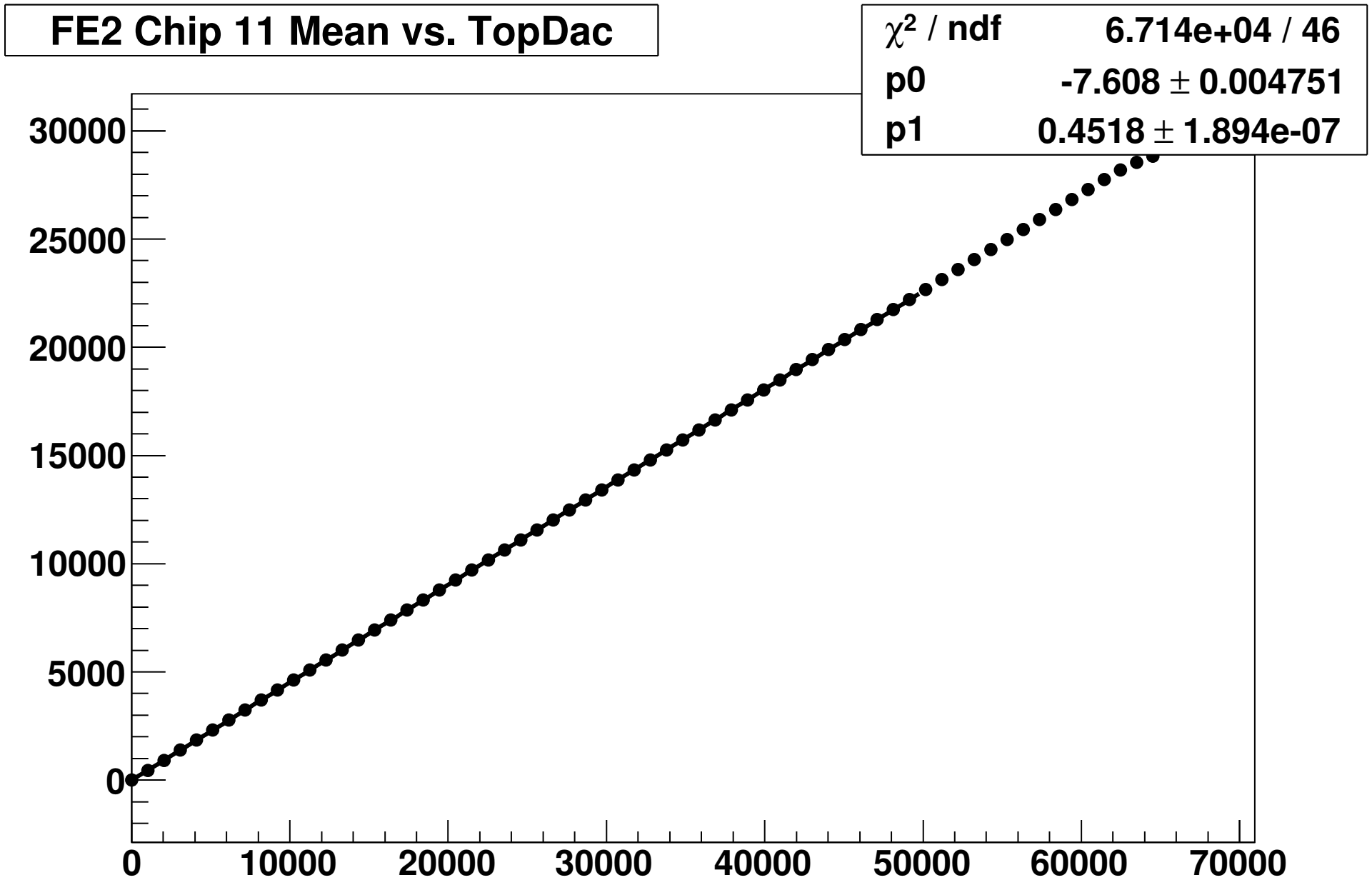
FE2 Chip 11 Mean vs. TopDac
χ² / ndf 6.714e+04 / 46
p0 -7.608 ± 0.004751
p1 0.4518 ± 1.894e-07
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20000
15000
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5000
0
0
10000
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50000
60000
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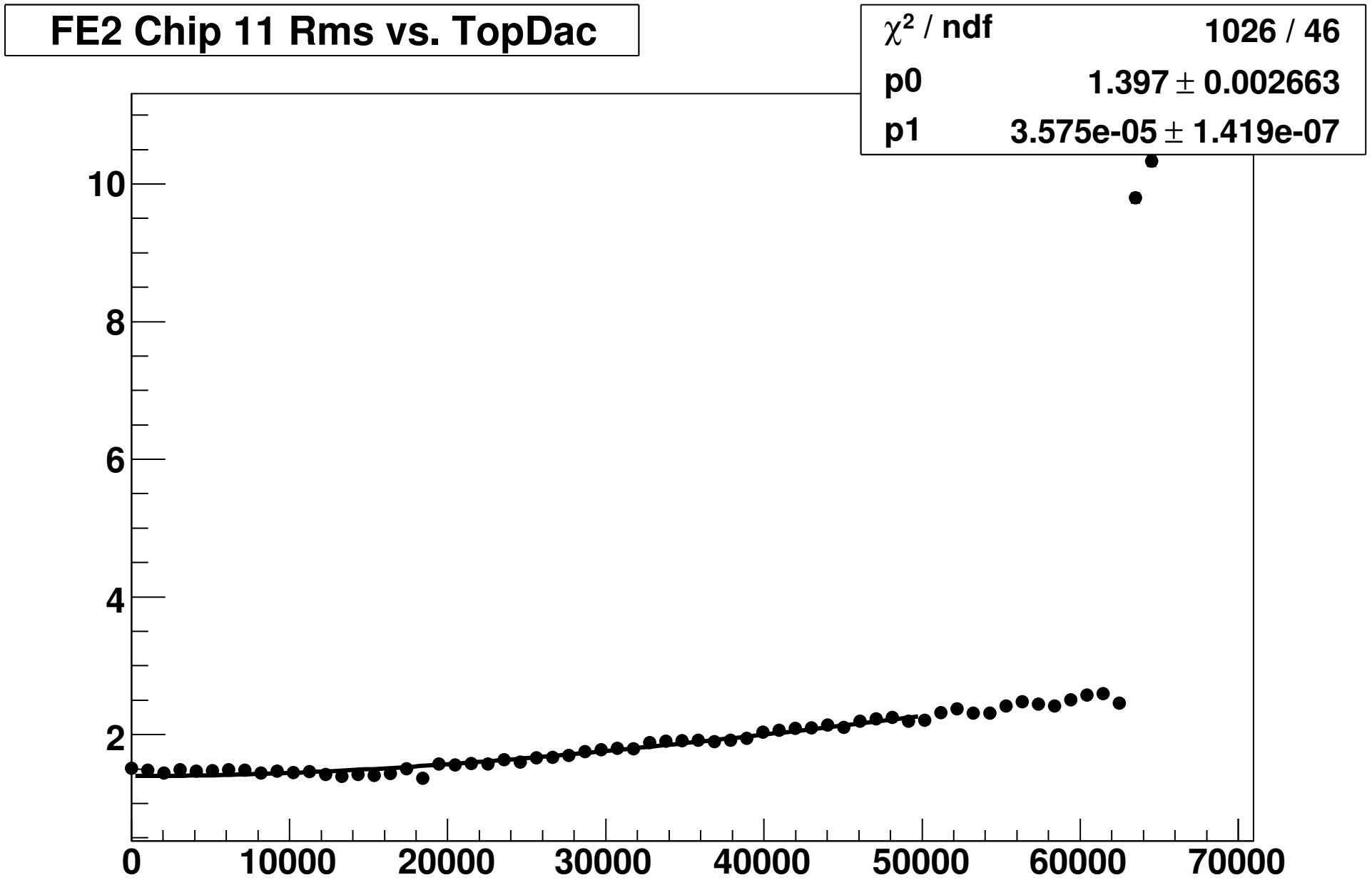
FE2 Chip 11 Rms vs. TopDac
χ² / ndf 1026 / 46
p0 1.397 ± 0.002663
p1 3.575e-05 ± 1.419e-07
10
8
6
4
2
0
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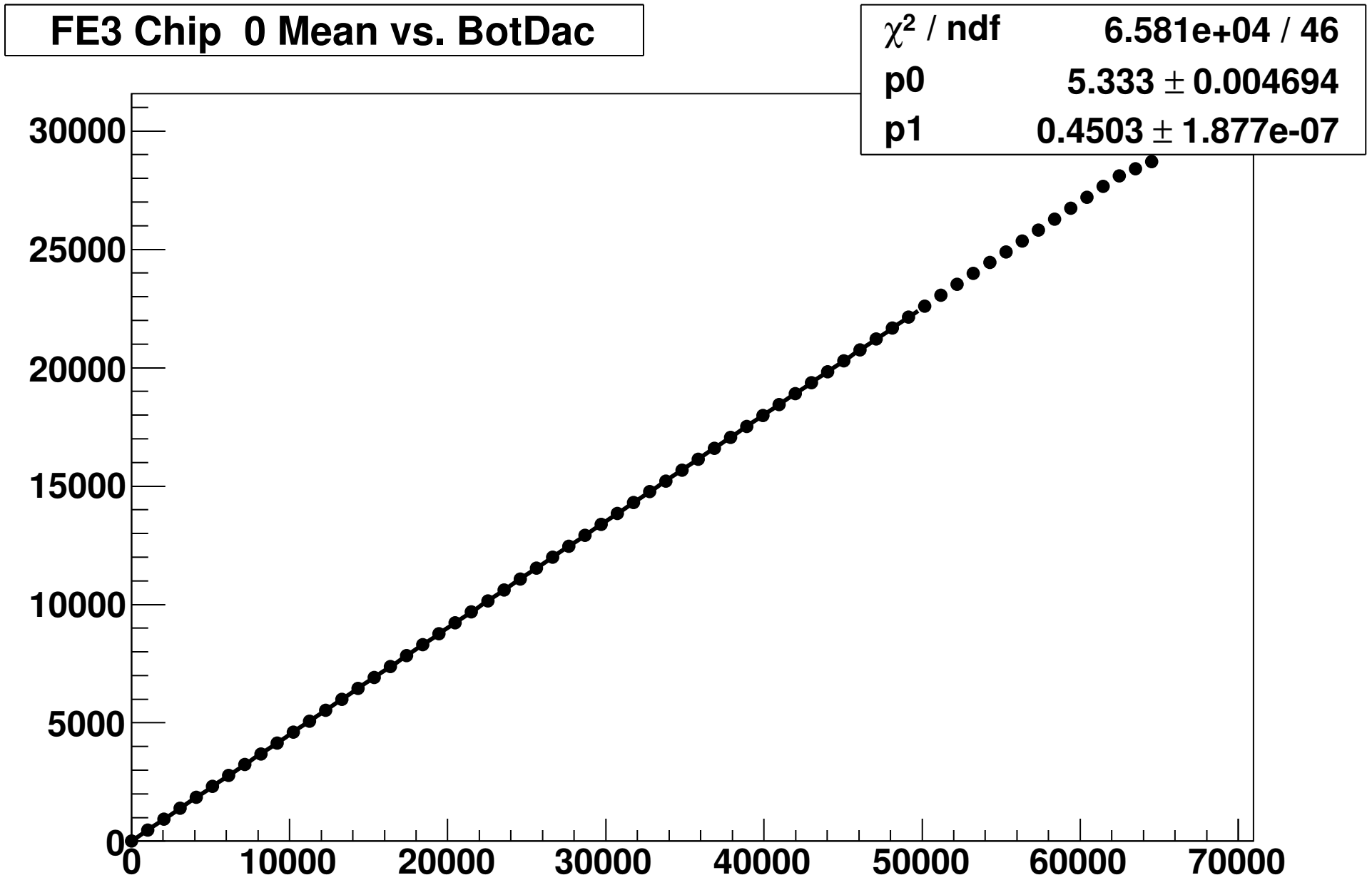
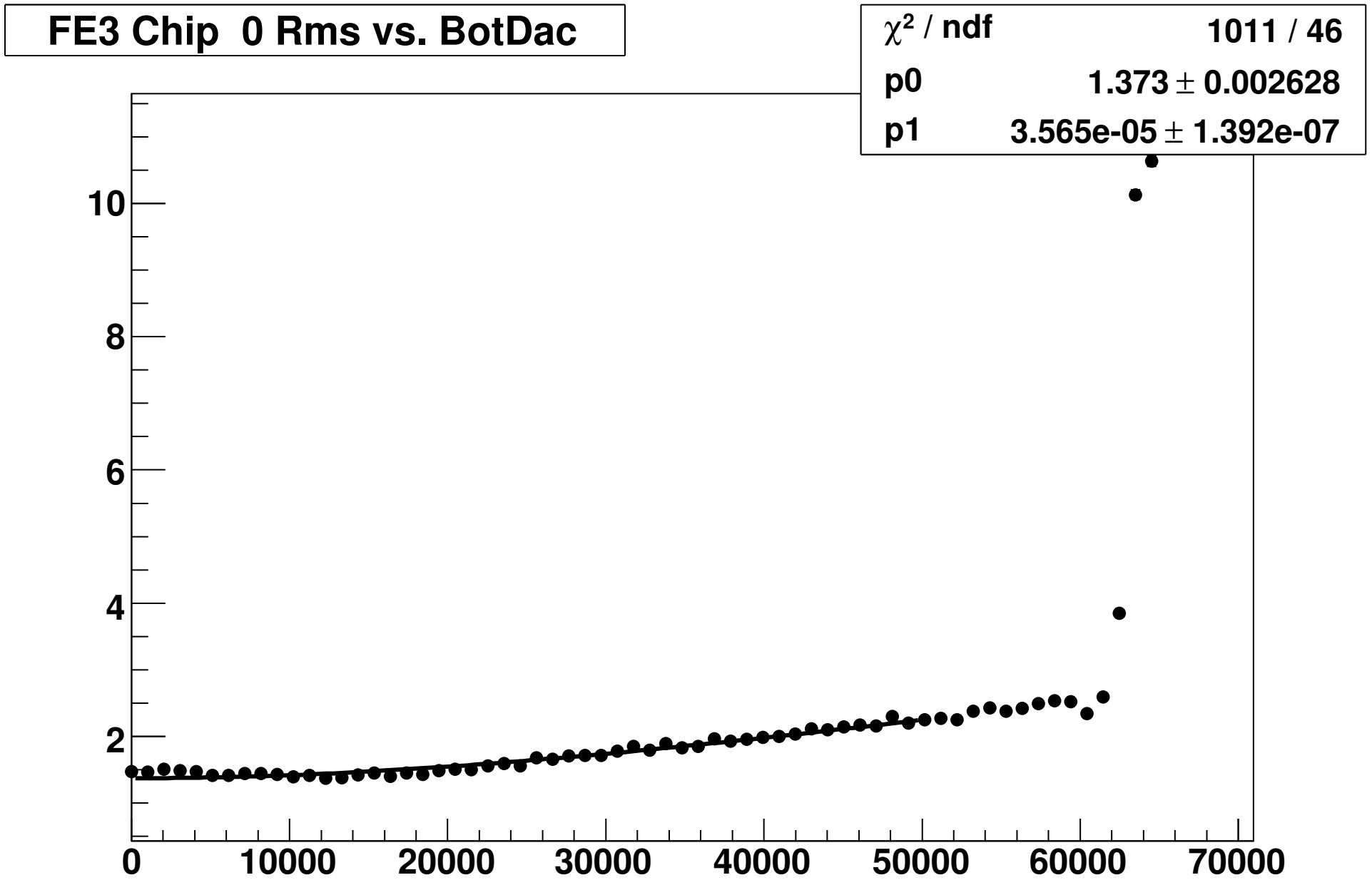
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Mean vs. BotDac
χ² / ndf 6.581e+04 / 46
p0 5.333 ± 0.004694
p1 0.4503 ± 1.877e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 1011 / 46
p0 1.373 ± 0.002628
p1 3.565e-05 ± 1.392e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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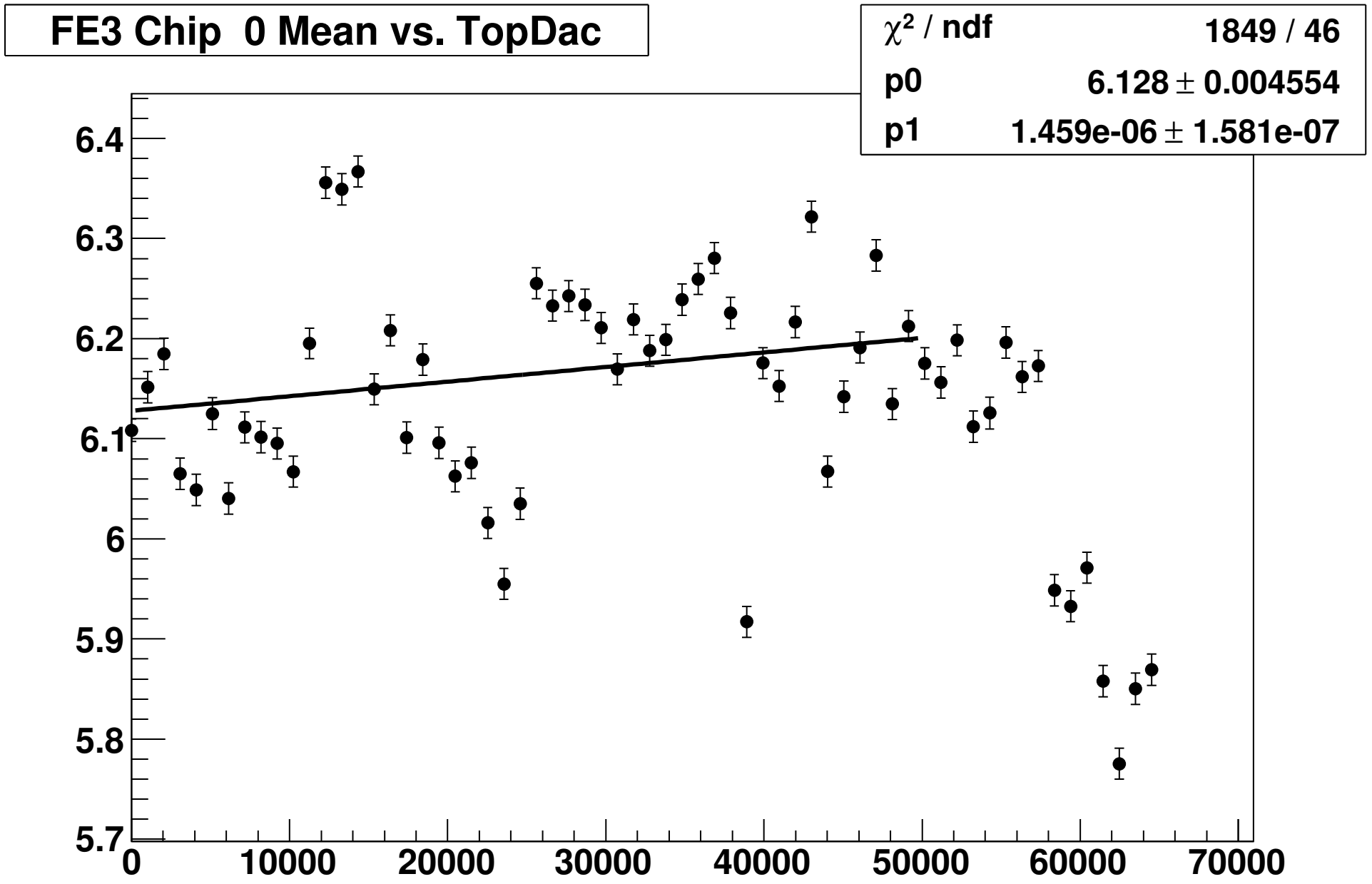
FE3 Chip 0 Mean vs. TopDac
χ² / ndf 1849 / 46
p0 6.128 ± 0.004554
p1 1.459e-06 ± 1.581e-07
6.4
6.3
6.2
6.1
6
5.9
5.8
5.7
0
10000
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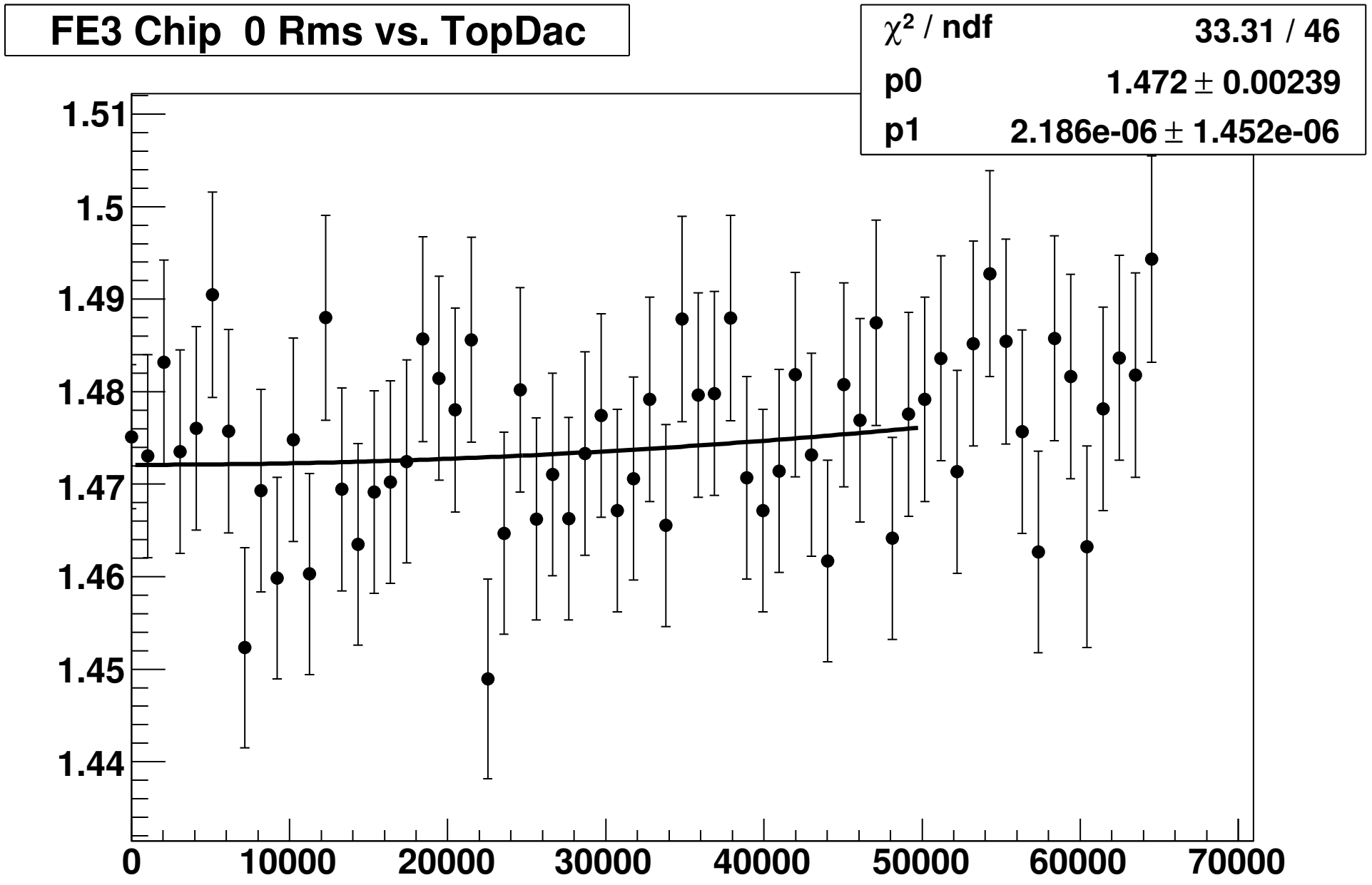
FE3 Chip 0 Rms vs. TopDac
χ² / ndf 33.31 / 46
p0 1.472 ± 0.00239
p1 2.186e-06 ± 1.452e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
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50000
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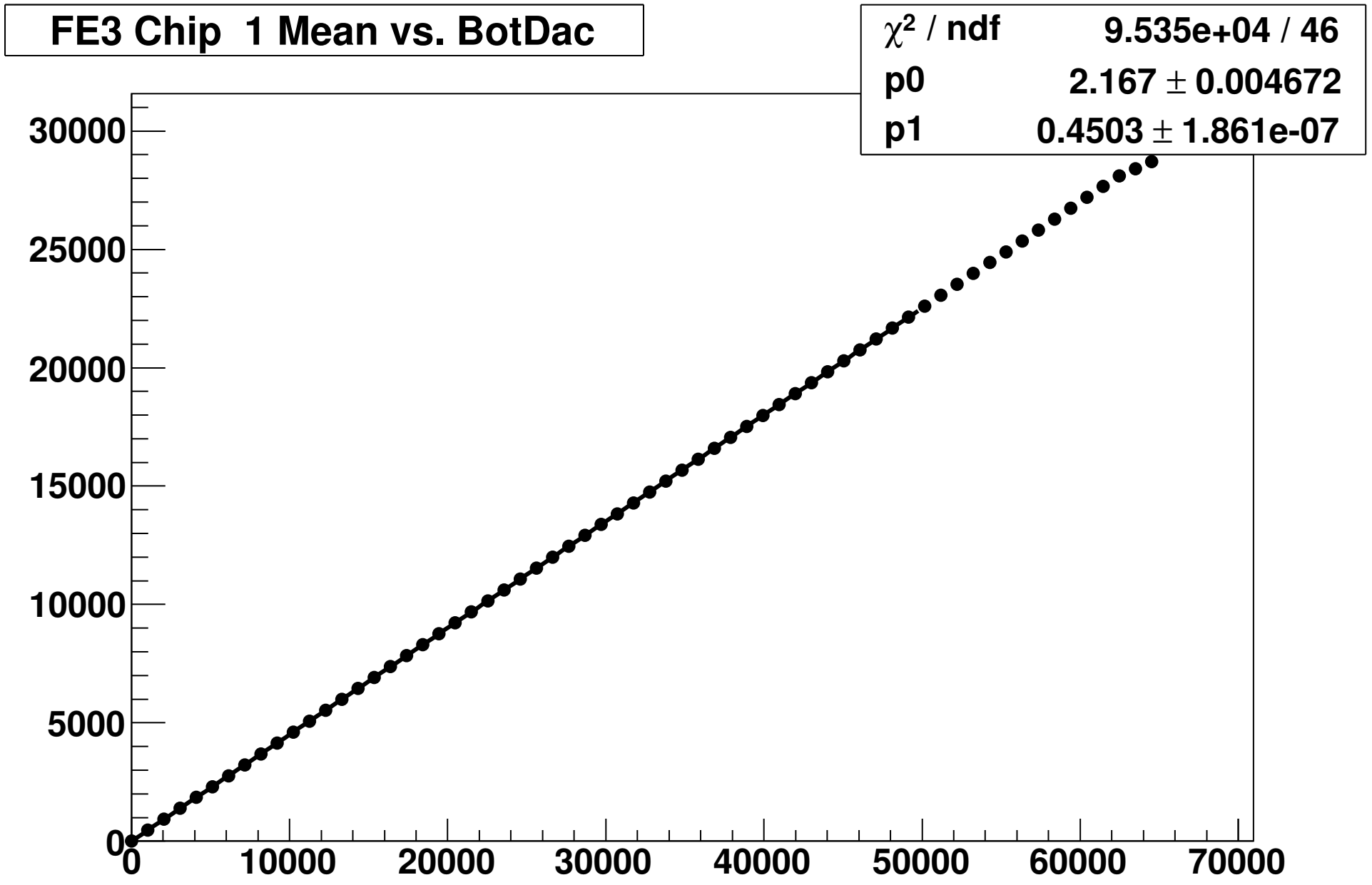
FE3 Chip 1 Mean vs. BotDac
χ² / ndf 9.535e+04 / 46
p0 2.167 ± 0.004672
p1 0.4503 ± 1.861e-07
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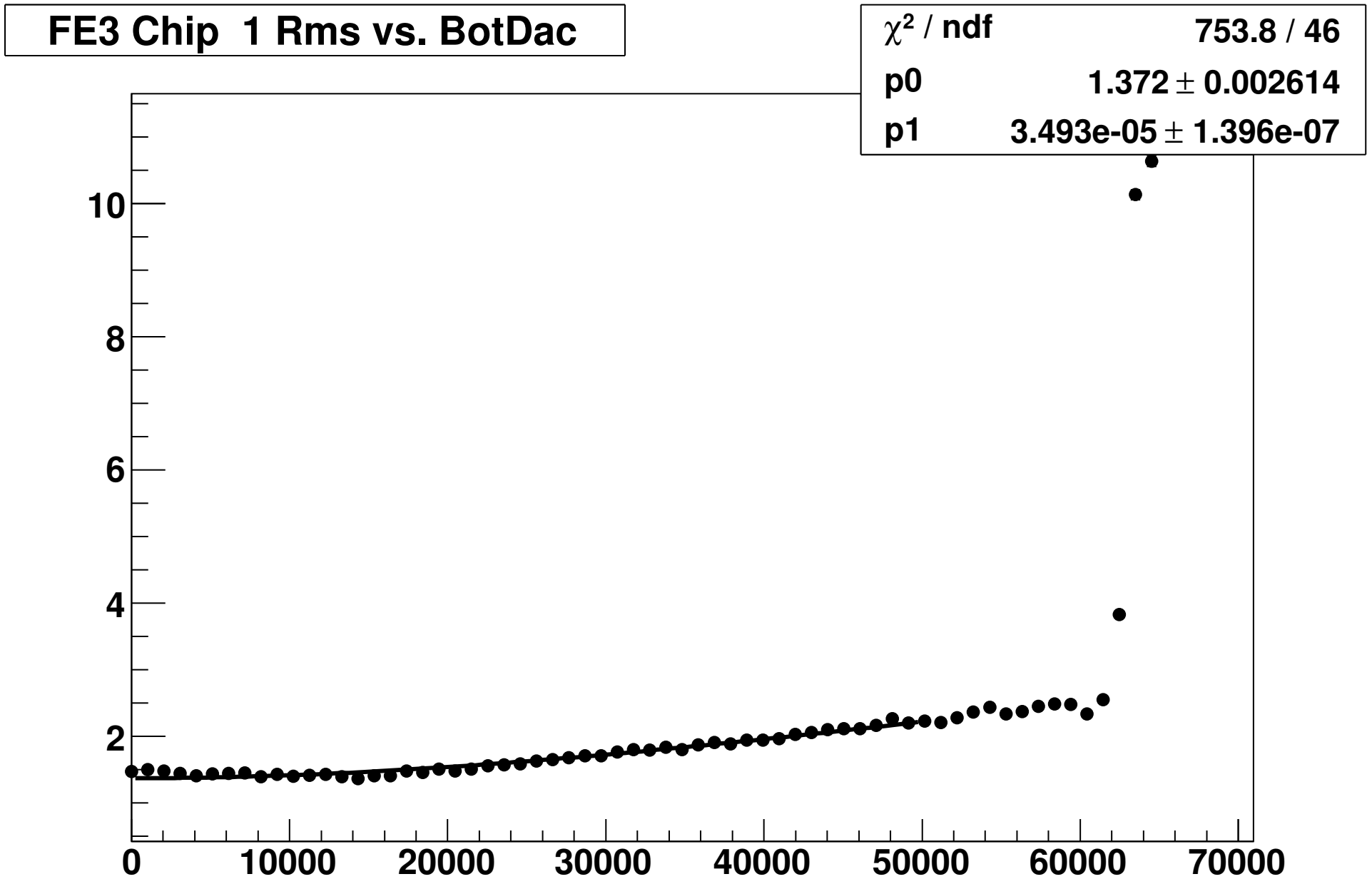
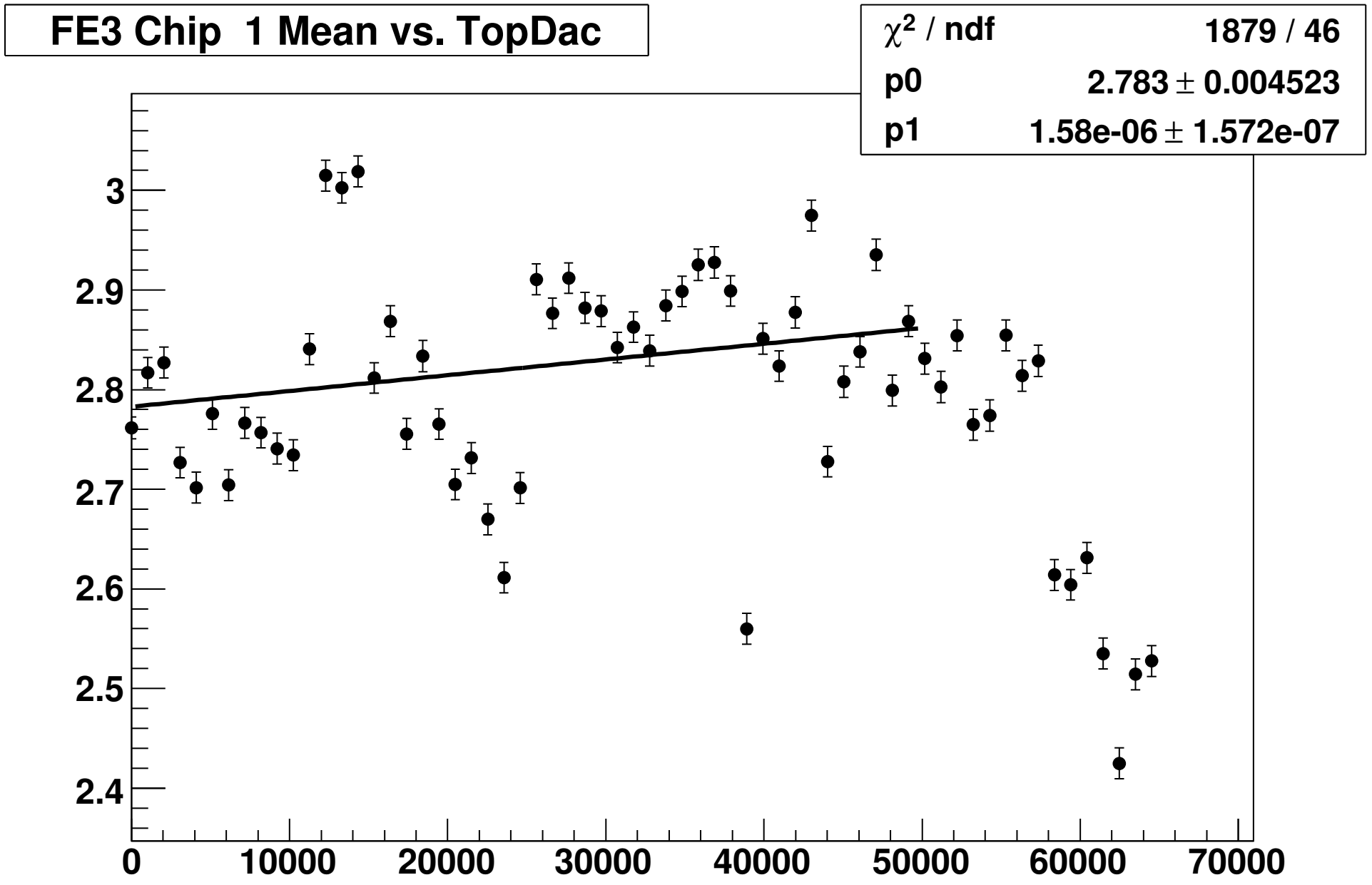
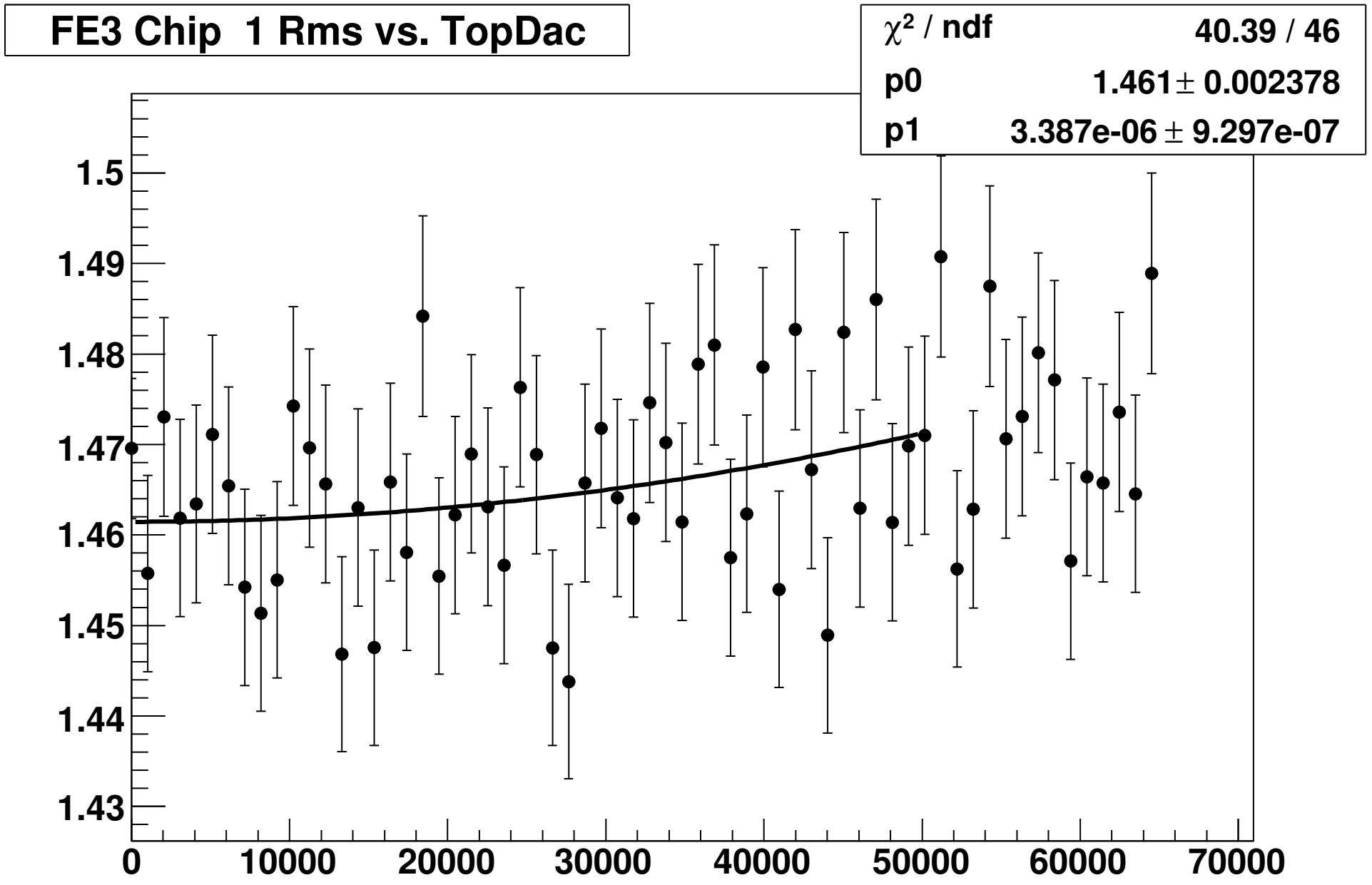
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 753.8 / 46
p0 1.372 ± 0.002614
p1 3.493e-05 ± 1.396e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 1879 / 46
p0 2.783 ± 0.004523
p1 1.58e-06 ± 1.572e-07
3
2.9
2.8
2.7
2.6
2.5
2.4
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 40.39 / 46
p0 1.461 ± 0.002378
p1 3.387e-06 ± 9.297e-07
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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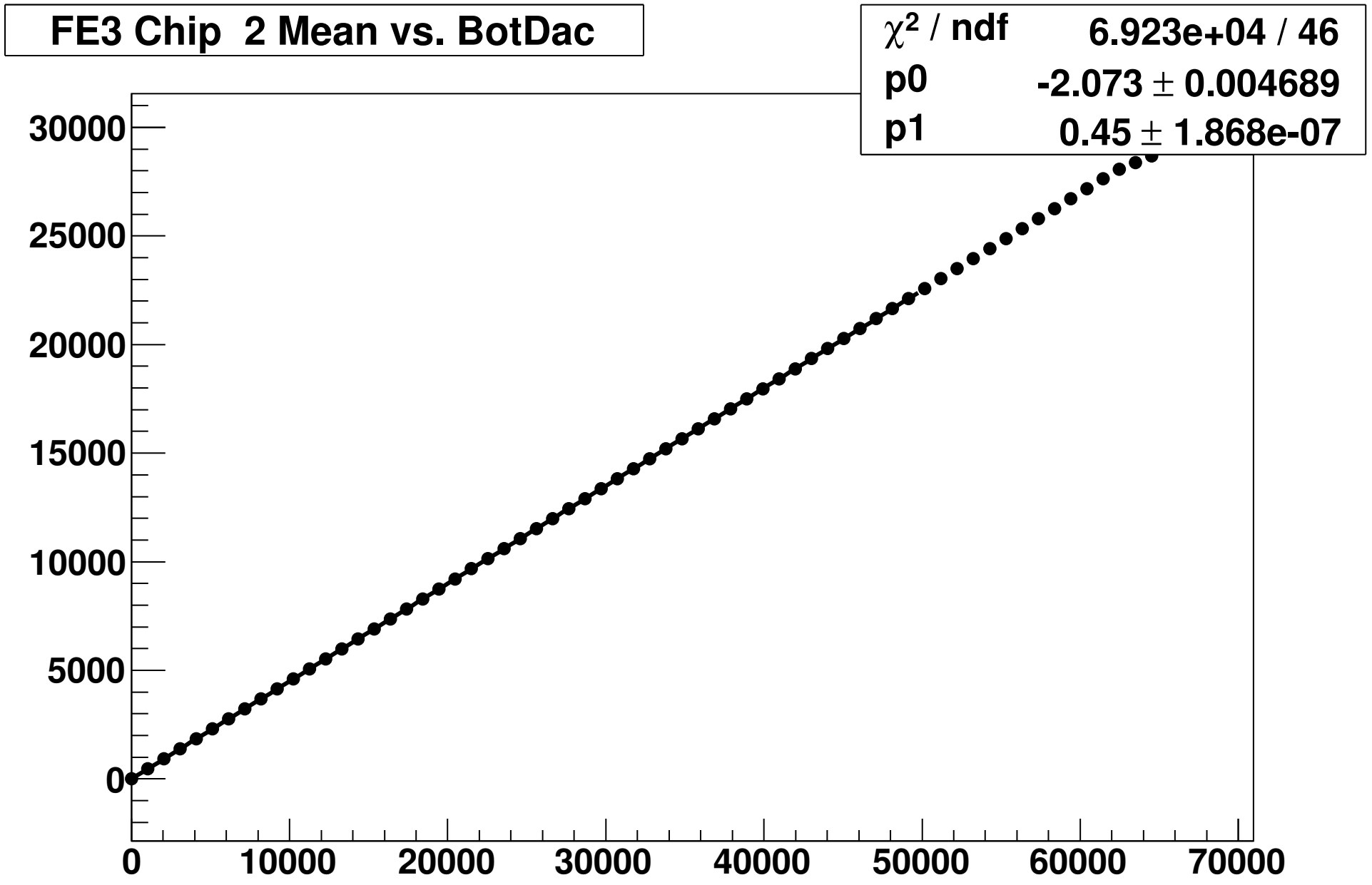
FE3 Chip 2 Mean vs. BotDac
χ² / ndf 6.923e+04 / 46
p0 -2.073 ± 0.004689
p1 0.45 ± 1.868e-07
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20000
15000
10000
5000
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20000
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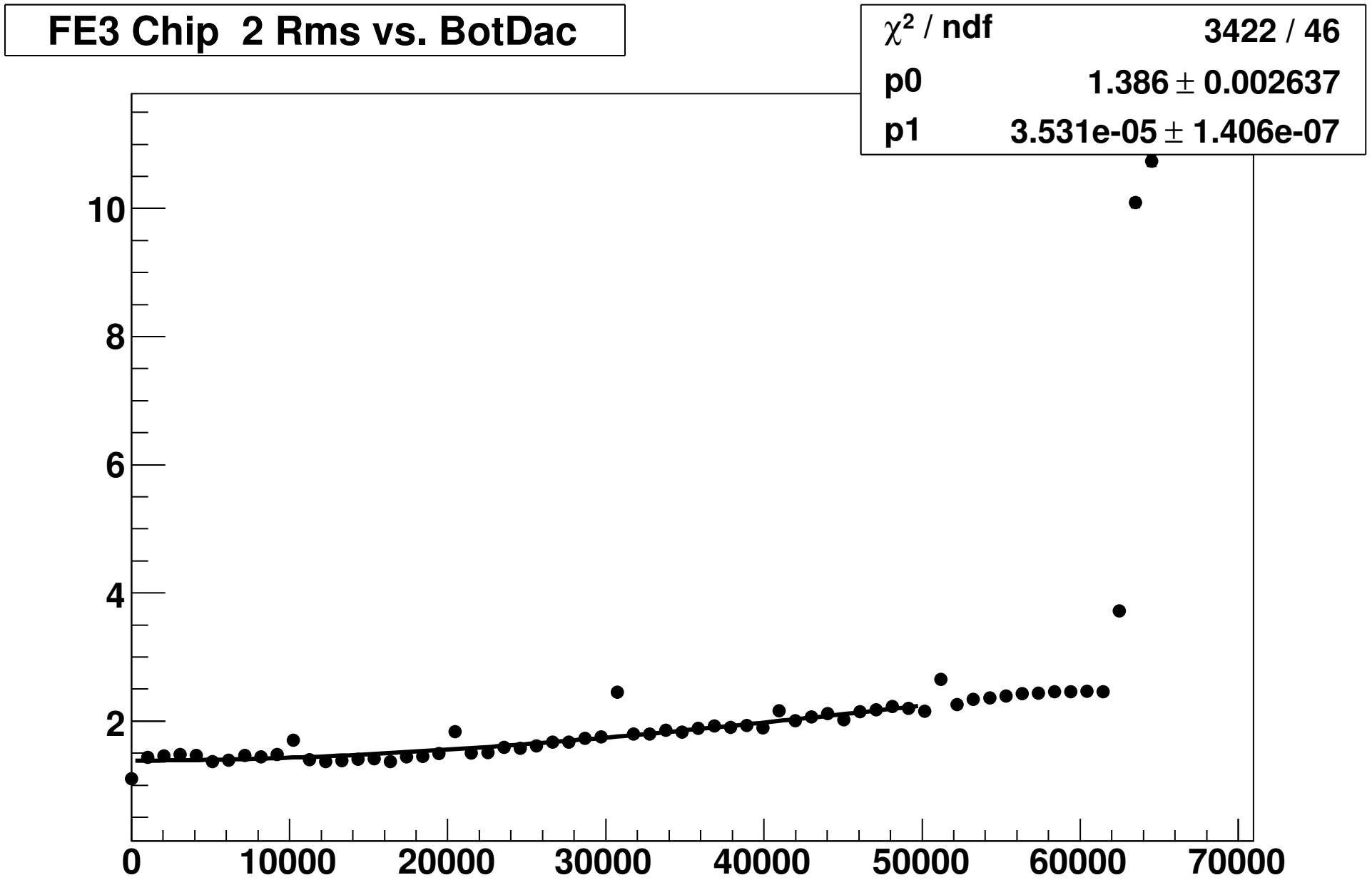
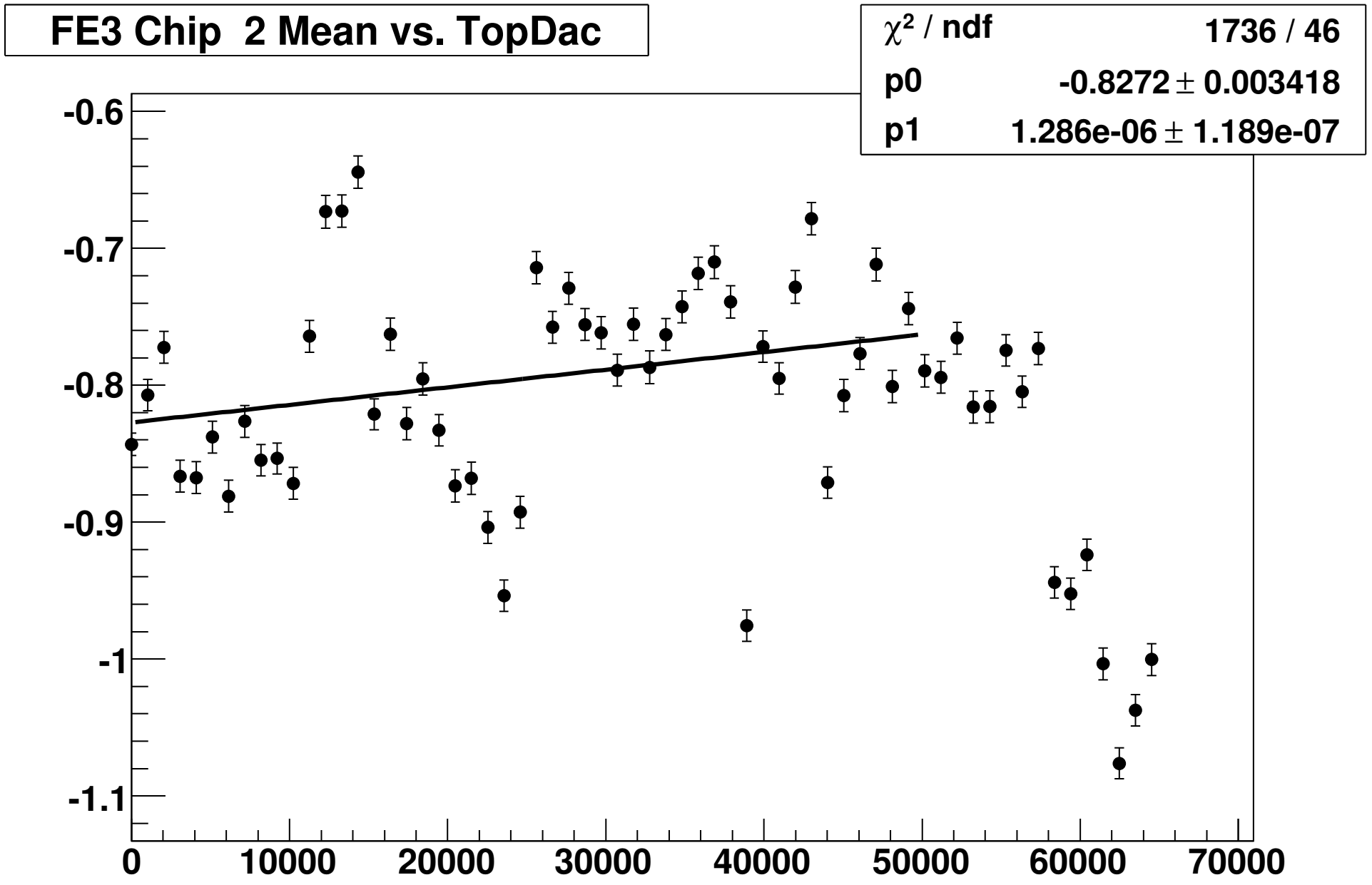

FE3 Chip 2 Rms vs. BotDac
χ² / ndf 3422 / 46
p0 1.386 ± 0.002637
p1 3.531e-05 ± 1.406e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 1736 / 46
p0 -0.8272 ± 0.003418
p1 1.286e-06 ± 1.189e-07
-0.6
-0.7
-0.8
-0.9
-1
-1.1
0
10000
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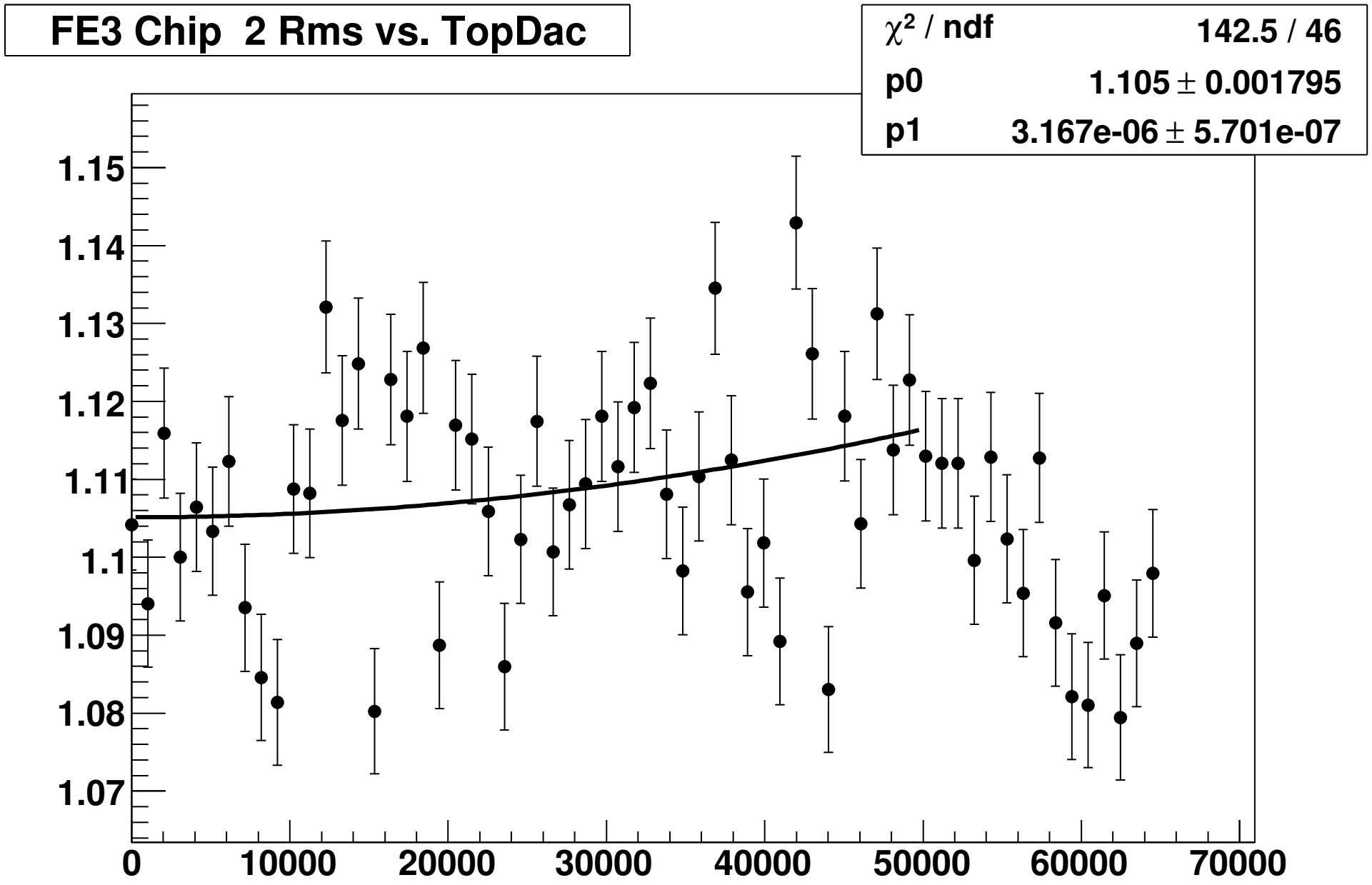
30000
40000
50000
60000
70000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 142.5 / 46
p0 1.105 ± 0.001795
p1 3.167e-06 ± 5.701e-07
1.15
1.14
1.13
1.12
1.11
1.1
1.09
1.08
1.07
0
10000
20000
30000
40000
50000
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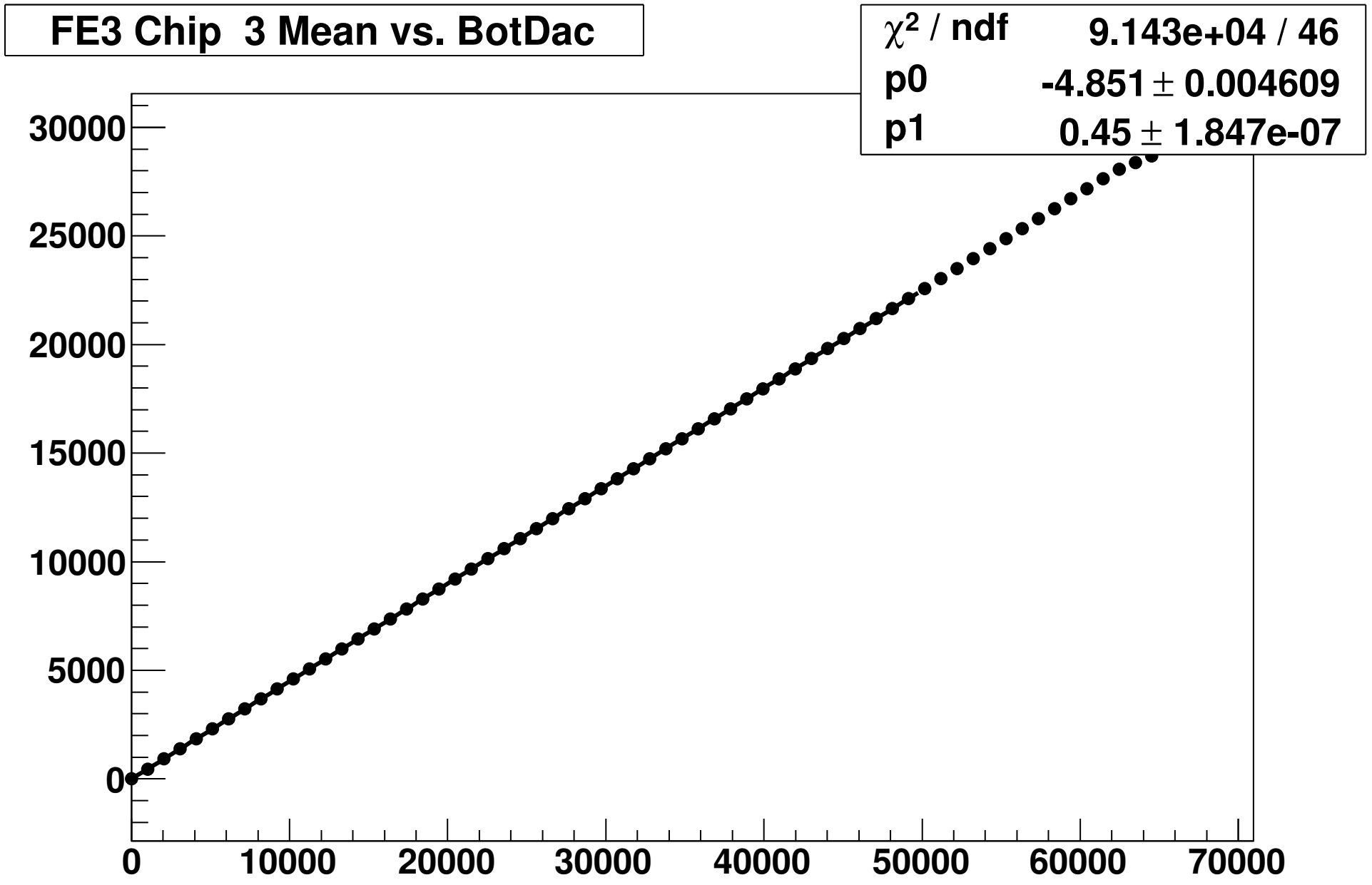
FE3 Chip 3 Mean vs. BotDac
χ² / ndf 9.143e+04 / 46
p0 -4.851 ± 0.004609
p1 0.45 ± 1.847e-07
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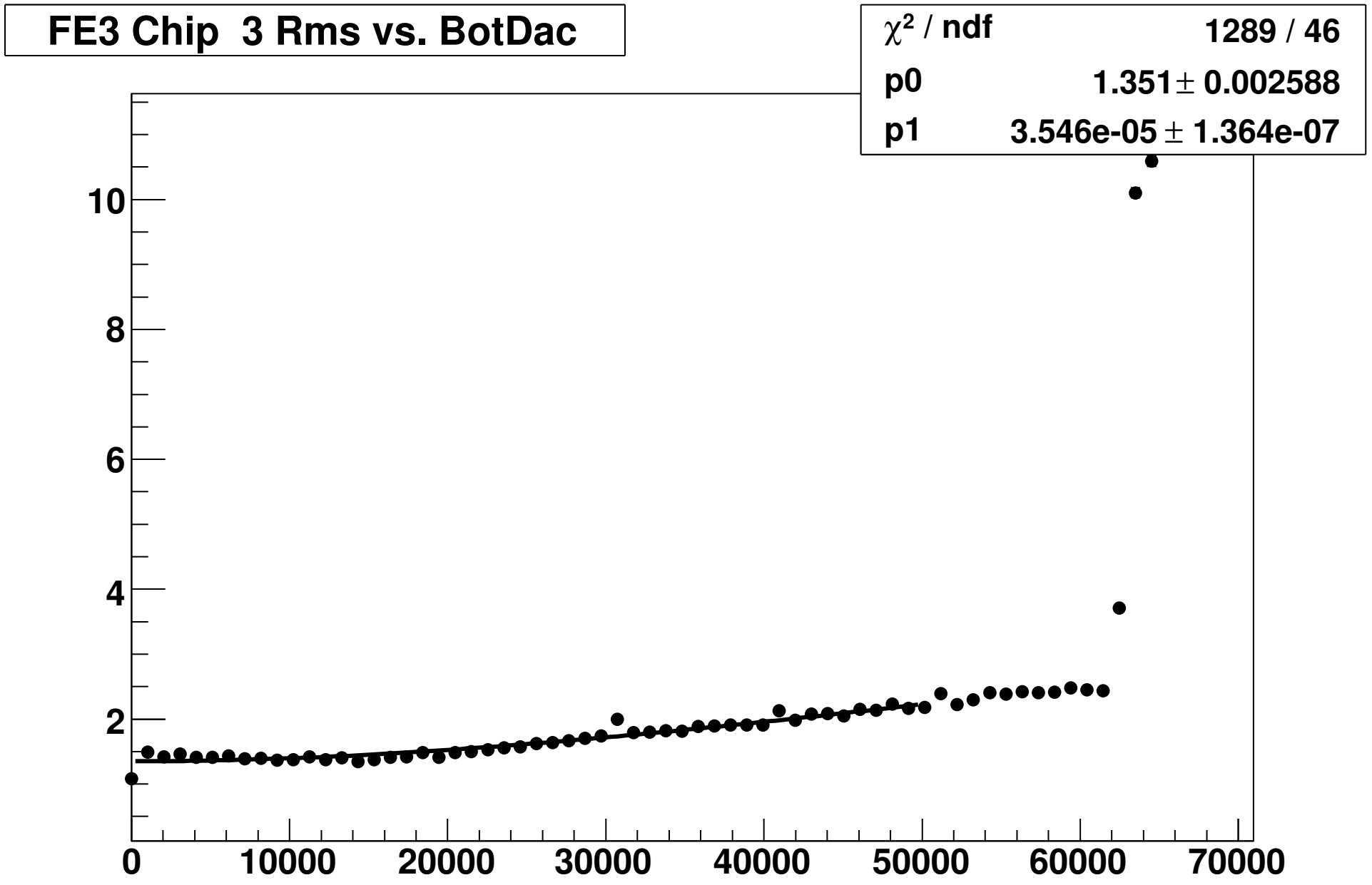
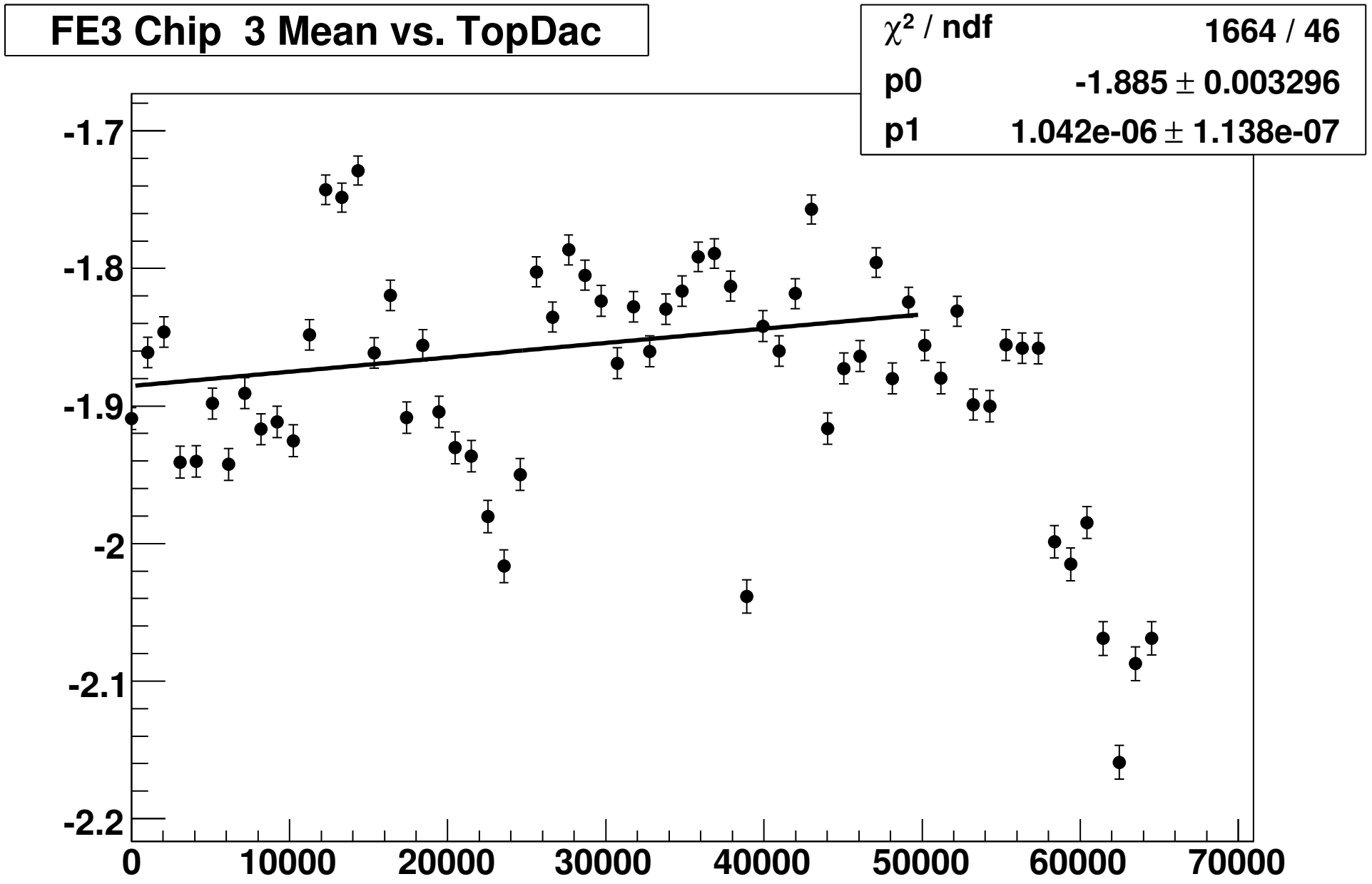
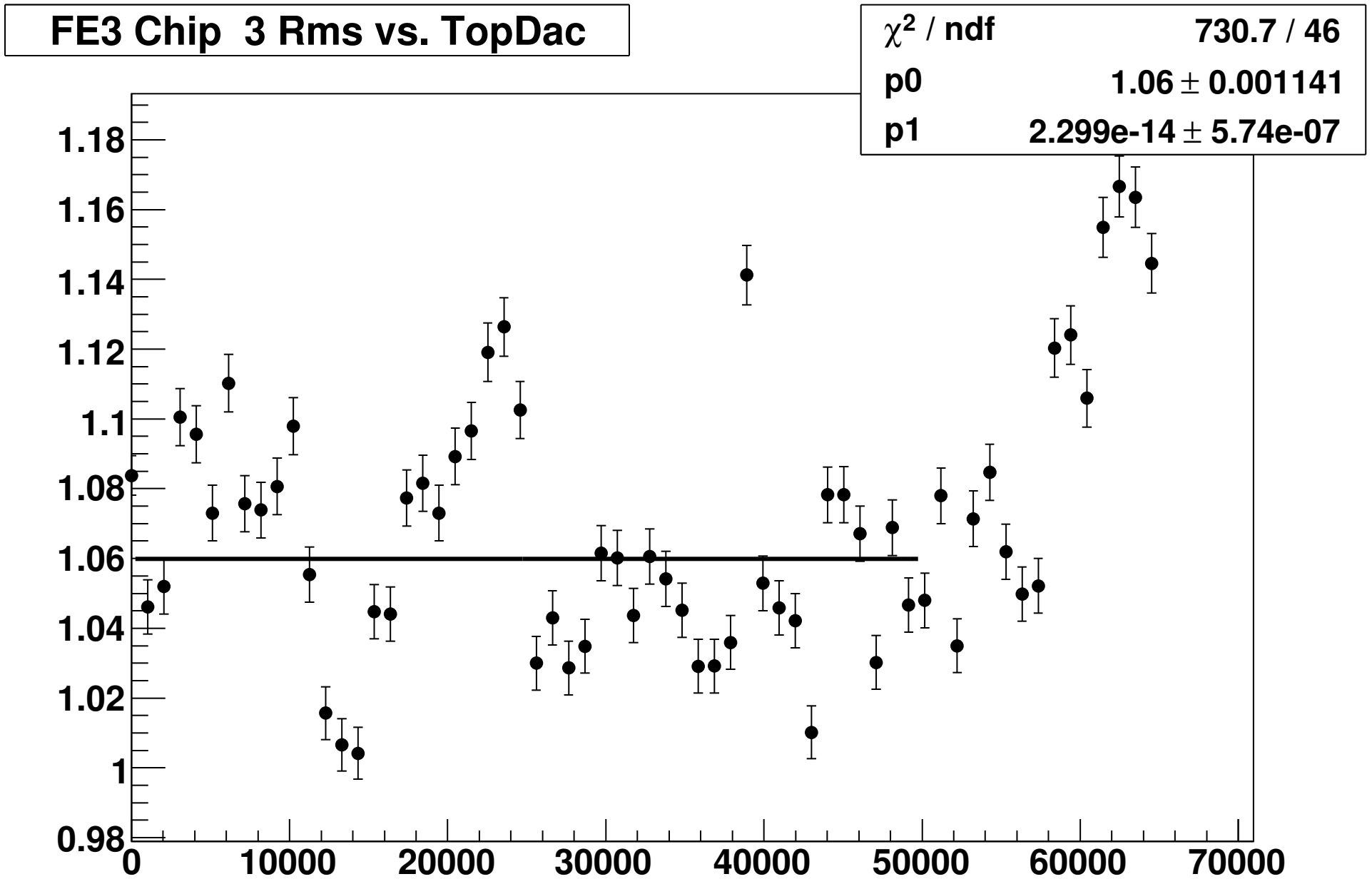
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. BotDac
χ² / ndf 1289 / 46
p0 1.351 ± 0.002588
p1 3.546e-05 ± 1.364e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Mean vs. TopDac
χ² / ndf 1664 / 46
p0 -1.885 ± 0.003296
p1 1.042e-06 ± 1.138e-07
-1.7
-1.8
-1.9
-2
-2.1
-2.2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 730.7 / 46
p0 1.06 ± 0.001141
p1 2.299e-14 ± 5.74e-07
1.18
1.16
1.14
1.12
1.1
1.08
1.06
1.04
1.02
1
0.98
0
10000
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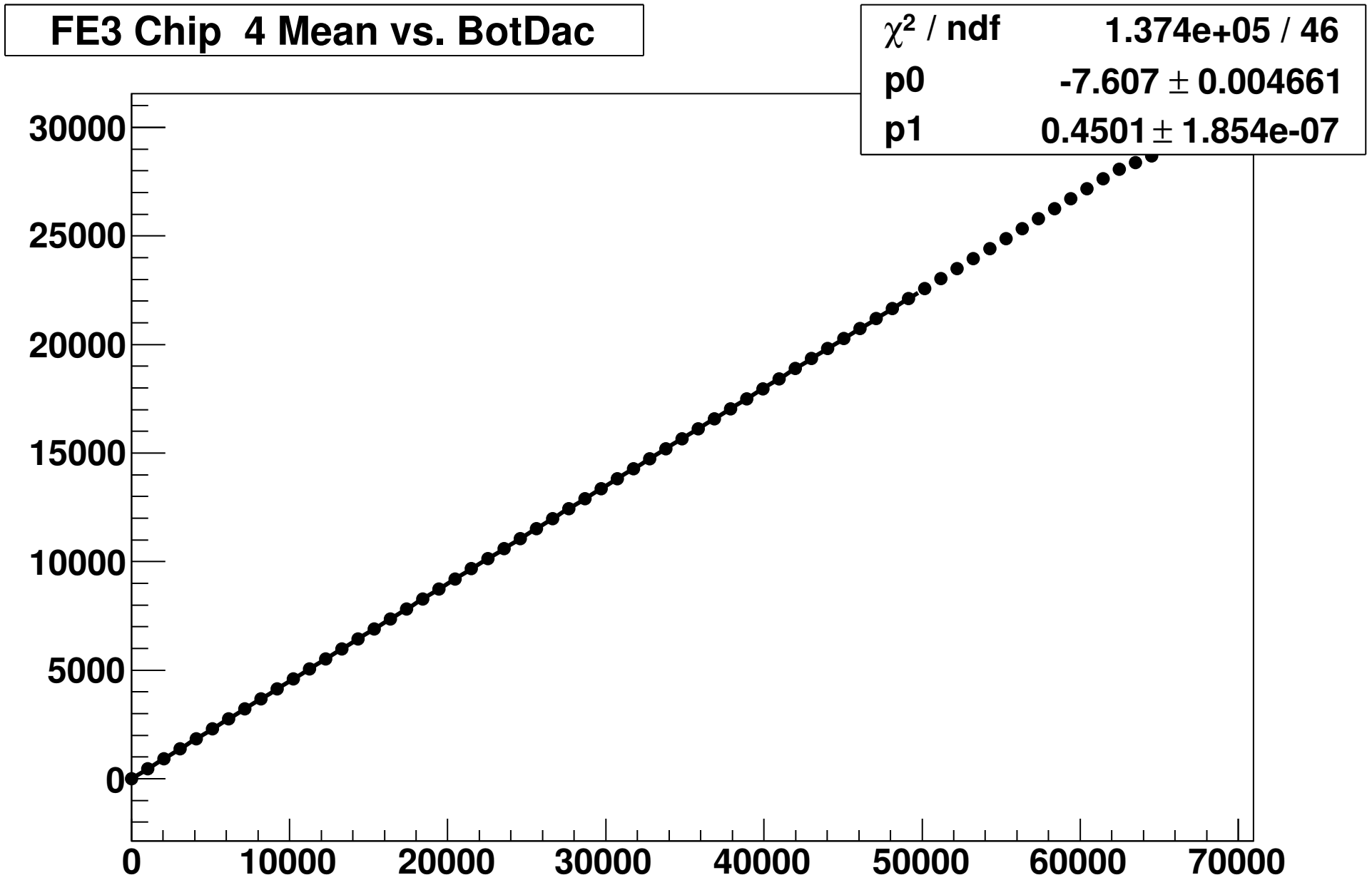
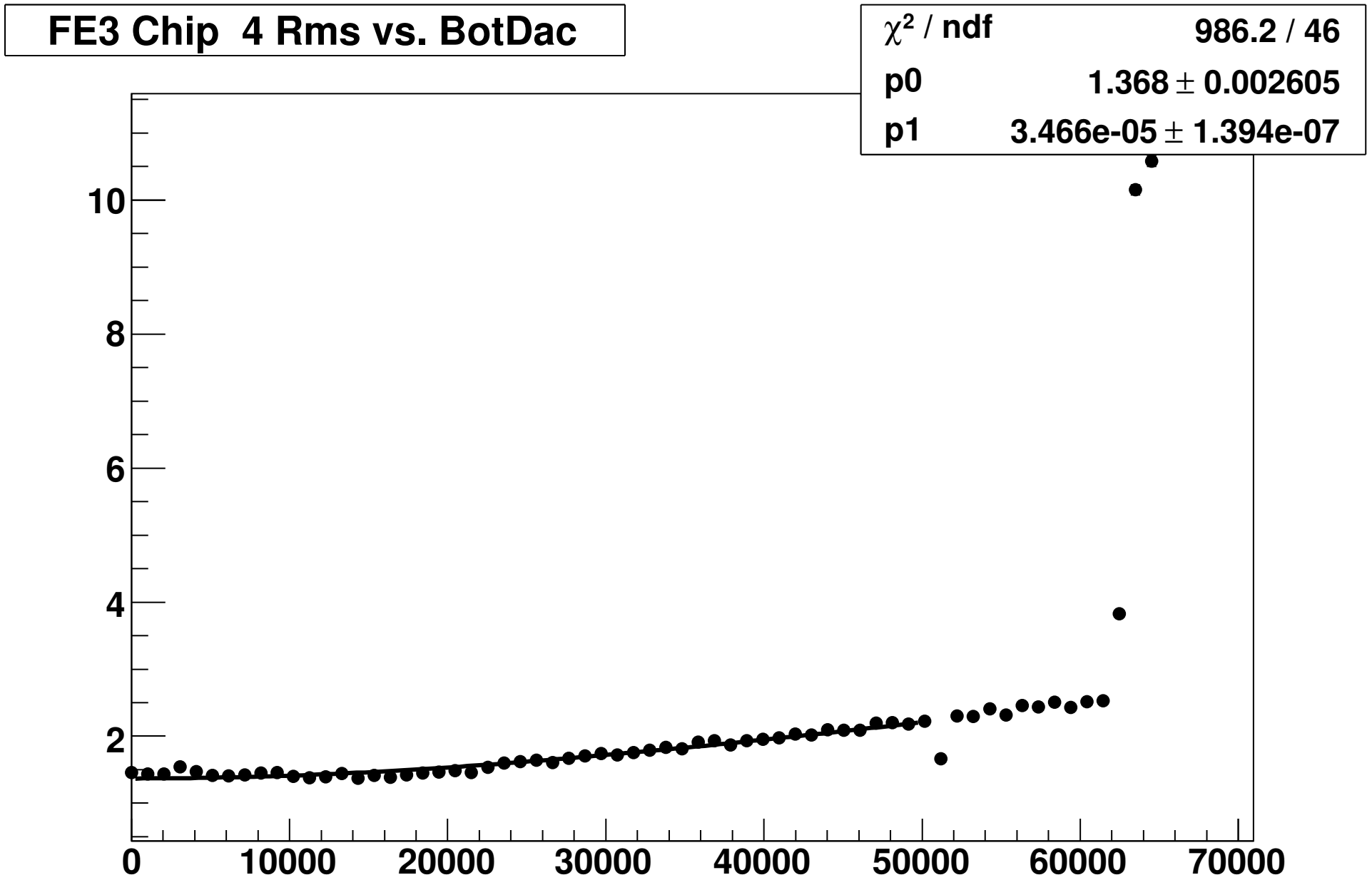
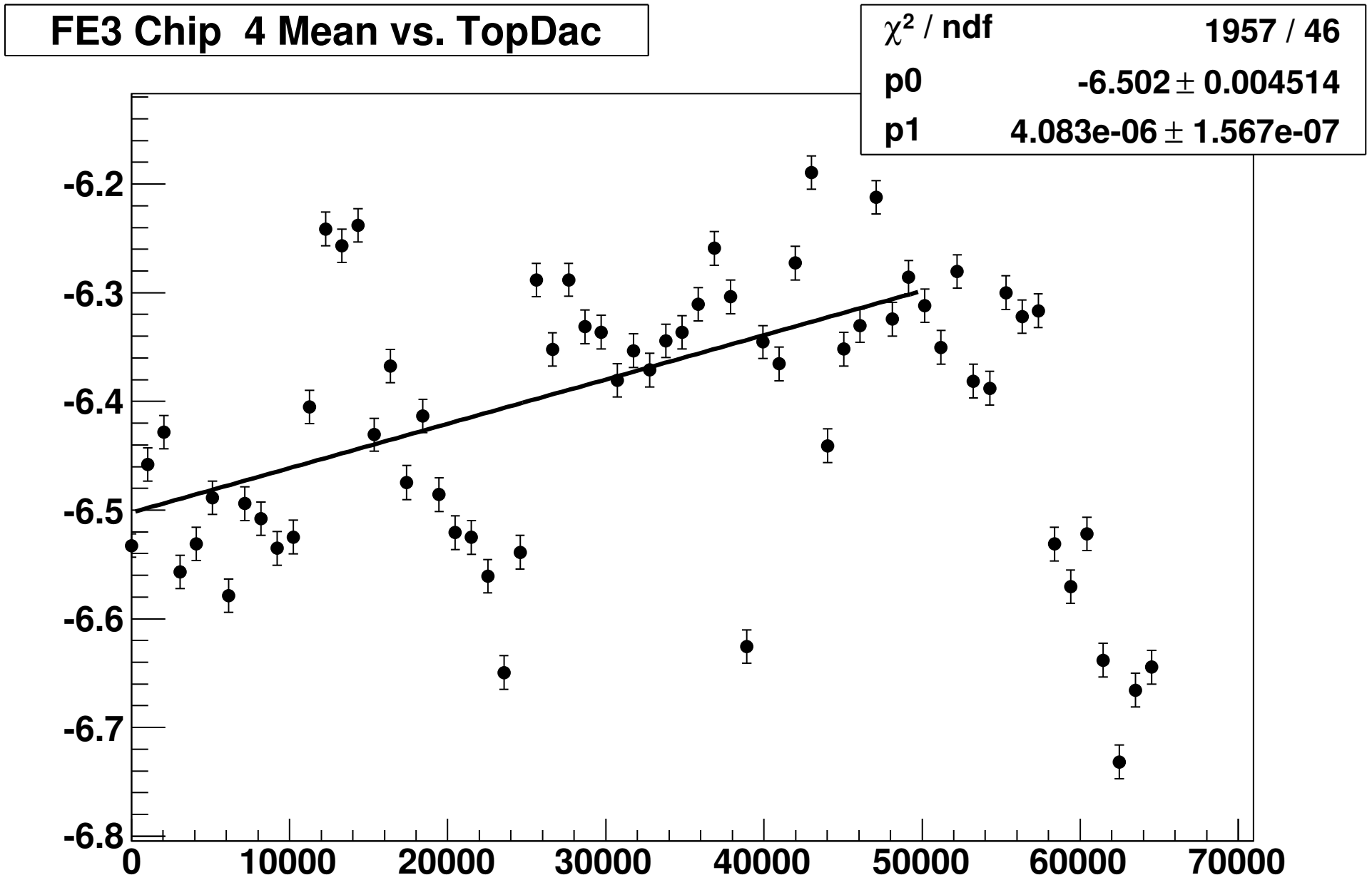

FE3 Chip 4 Mean vs. BotDac
χ² / ndf 1.374e+05 / 46
p0 -7.607 ± 0.004661
p1 0.4501 ± 1.854e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 986.2 / 46
p0 1.368 ± 0.002605
p1 3.466e-05 ± 1.394e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 4 Mean vs. TopDac
χ² / ndf 1957 / 46
p0 -6.502 ± 0.004514
p1 4.083e-06 ± 1.567e-07
-6.2
-6.3
-6.4
-6.5
-6.6
-6.7
-6.8
0
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20000
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50000
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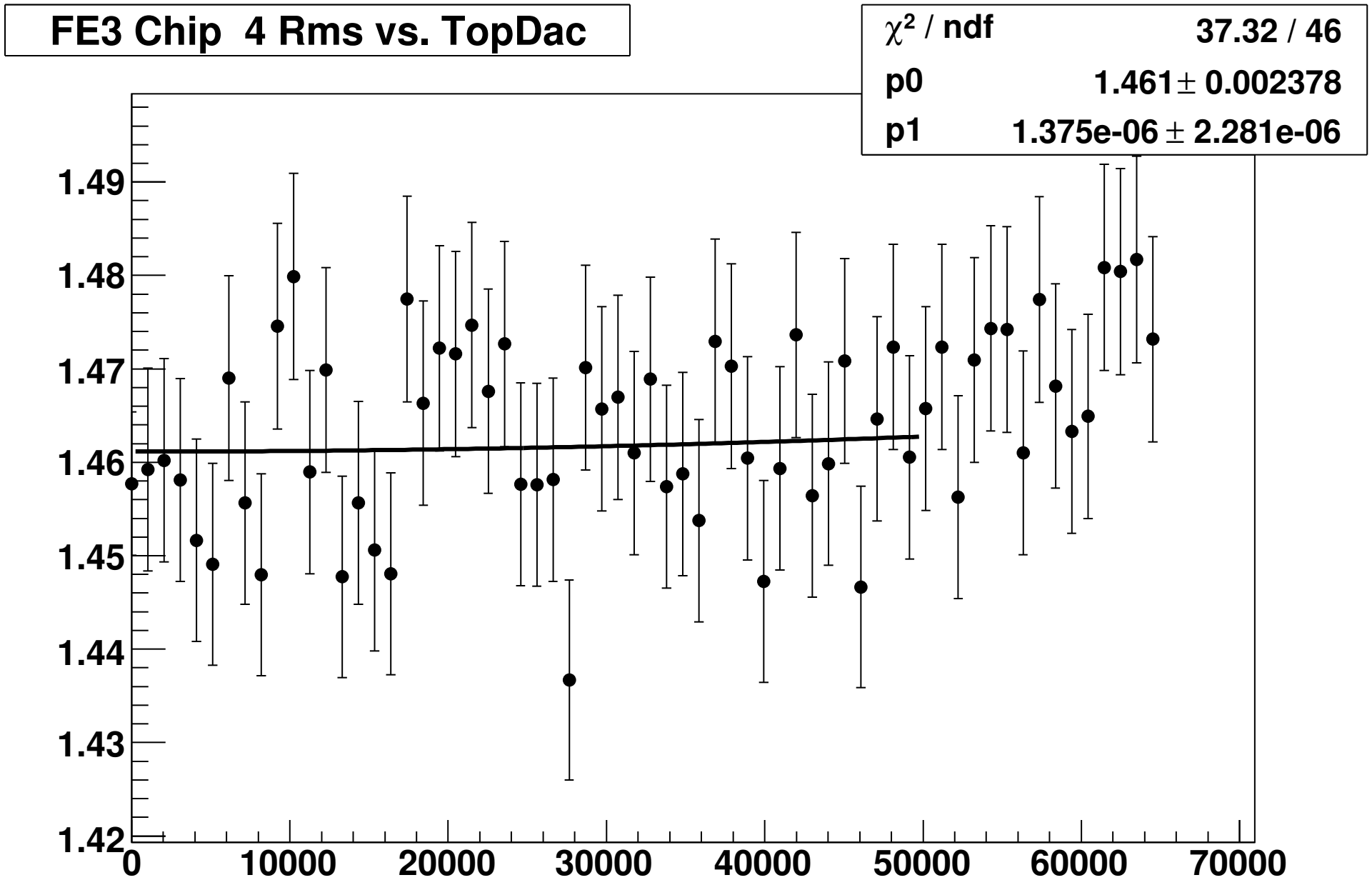
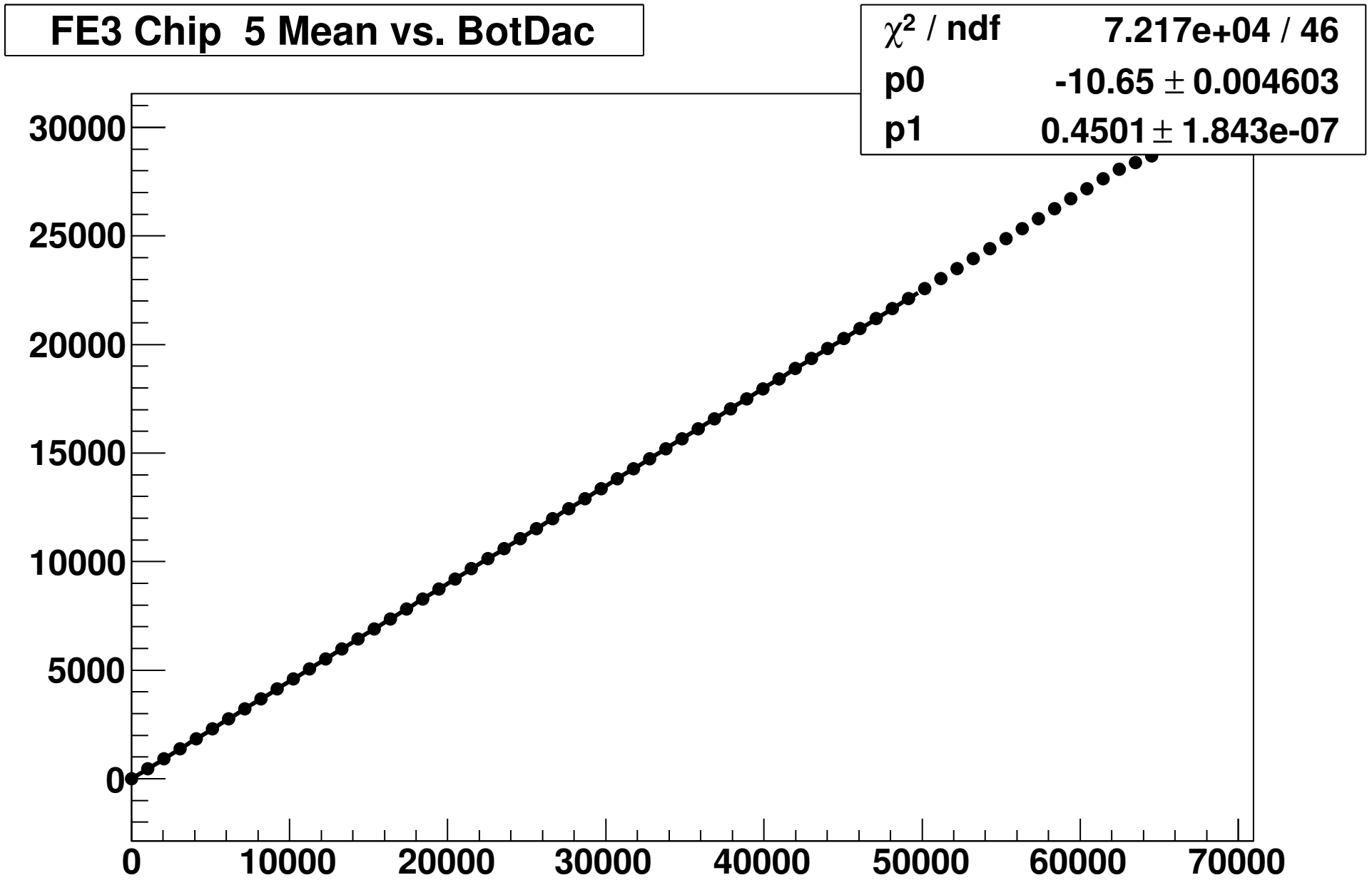

FE3 Chip 4 Rms vs. TopDac
χ² / ndf 37.32 / 46
p0 1.461 ± 0.002378
p1 1.375e-06 ± 2.281e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 7.217e+04 / 46
p0 -10.65 ± 0.004603
p1 0.4501 ± 1.843e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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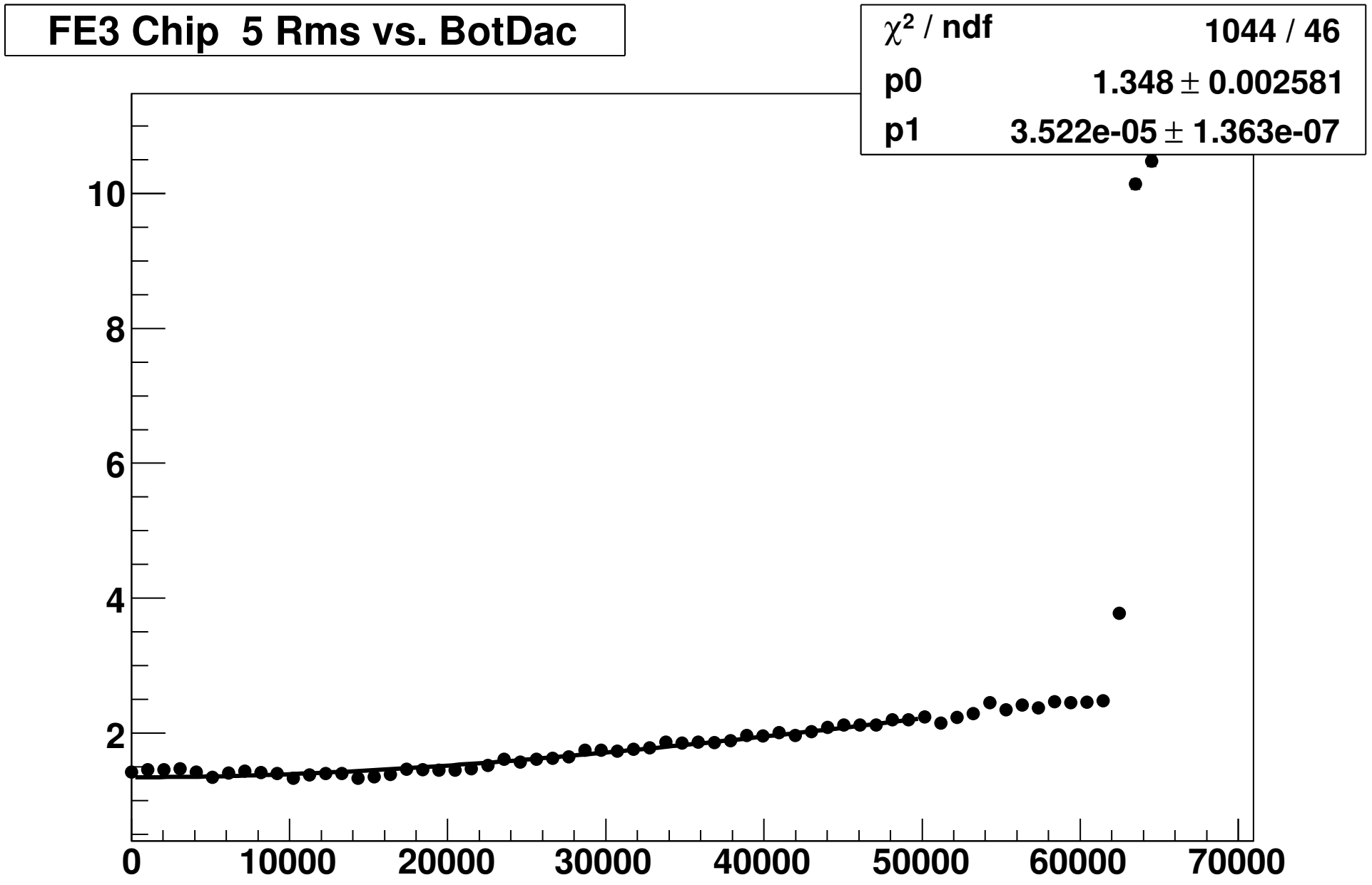
FE3 Chip 5 Rms vs. BotDac
χ² / ndf 1044 / 46
p0 1.348 ± 0.002581
p1 3.522e-05 ± 1.363e-07
10
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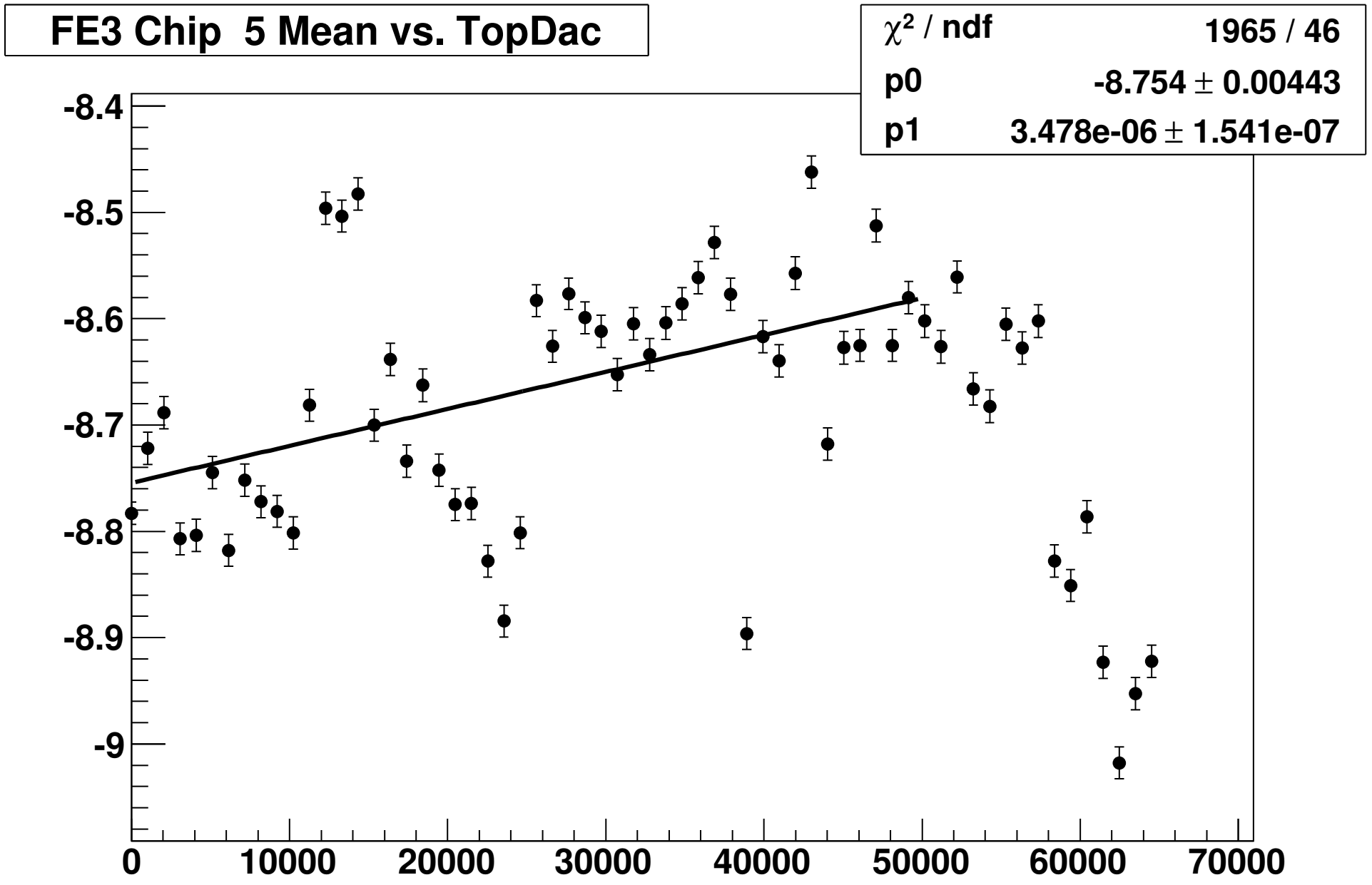
FE3 Chip 5 Mean vs. TopDac
χ² / ndf 1965 / 46
p0 -8.754 ± 0.00443
p1 3.478e-06 ± 1.541e-07
-8.4
-8.5
-8.6
-8.7
-8.8
-8.9
-9
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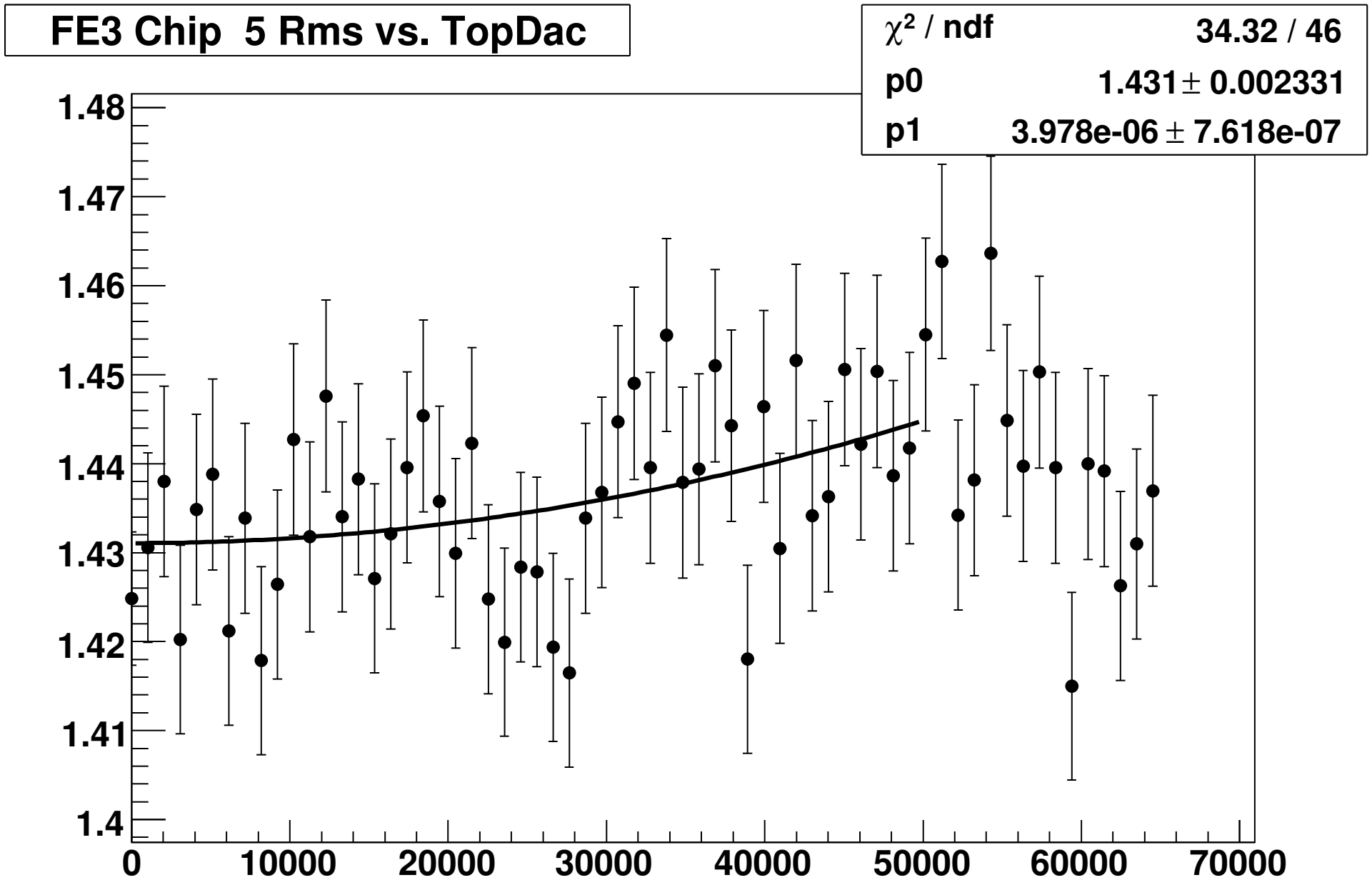
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 34.32 / 46
p0 1.431 ± 0.002331
p1 3.978e-06 ± 7.618e-07
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
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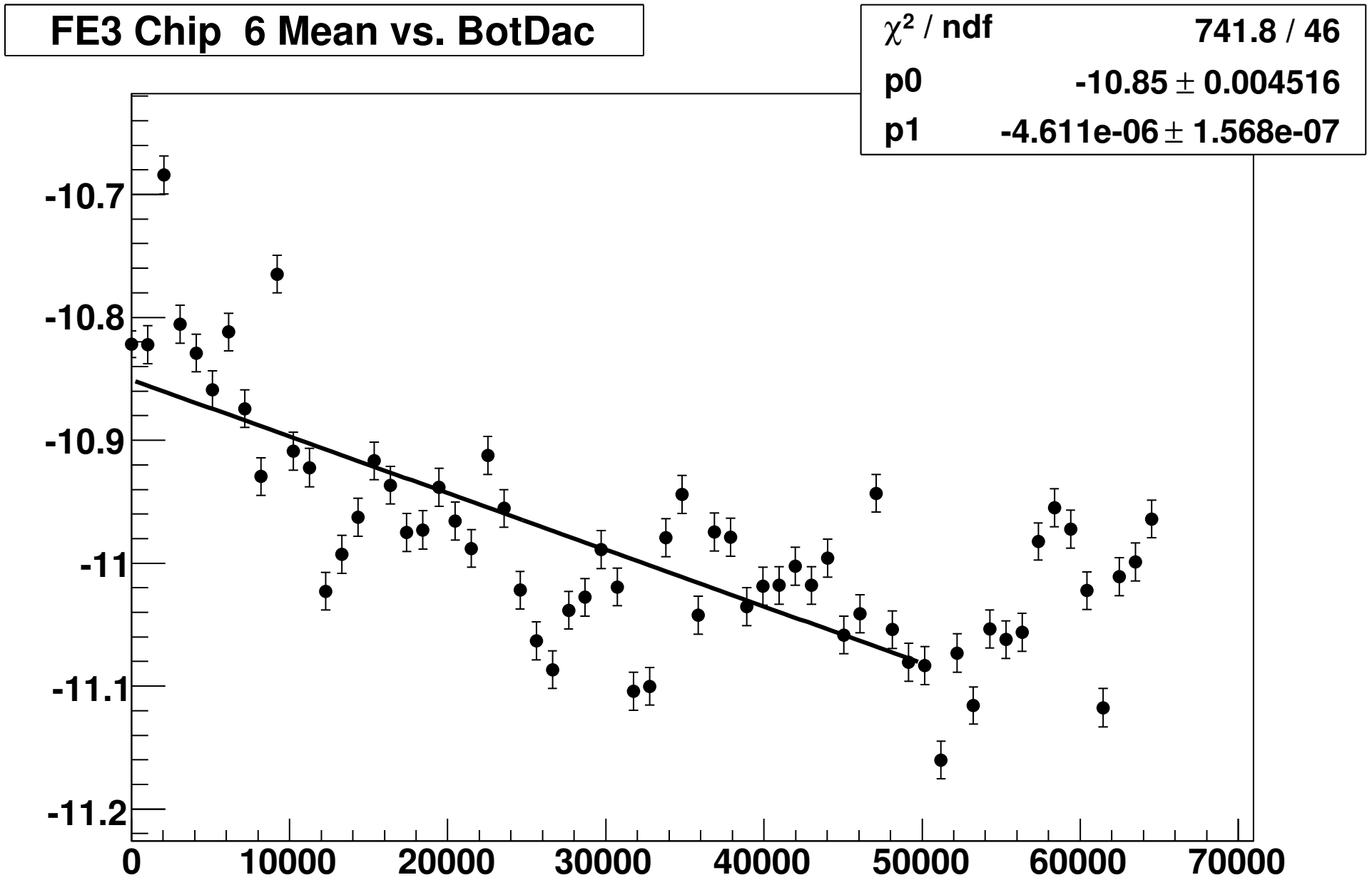
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 741.8 / 46
p0 -10.85 ± 0.004516
p1 -4.611e-06 ± 1.568e-07
-10.7
-10.8
-10.9
-11
-11.1
-11.2
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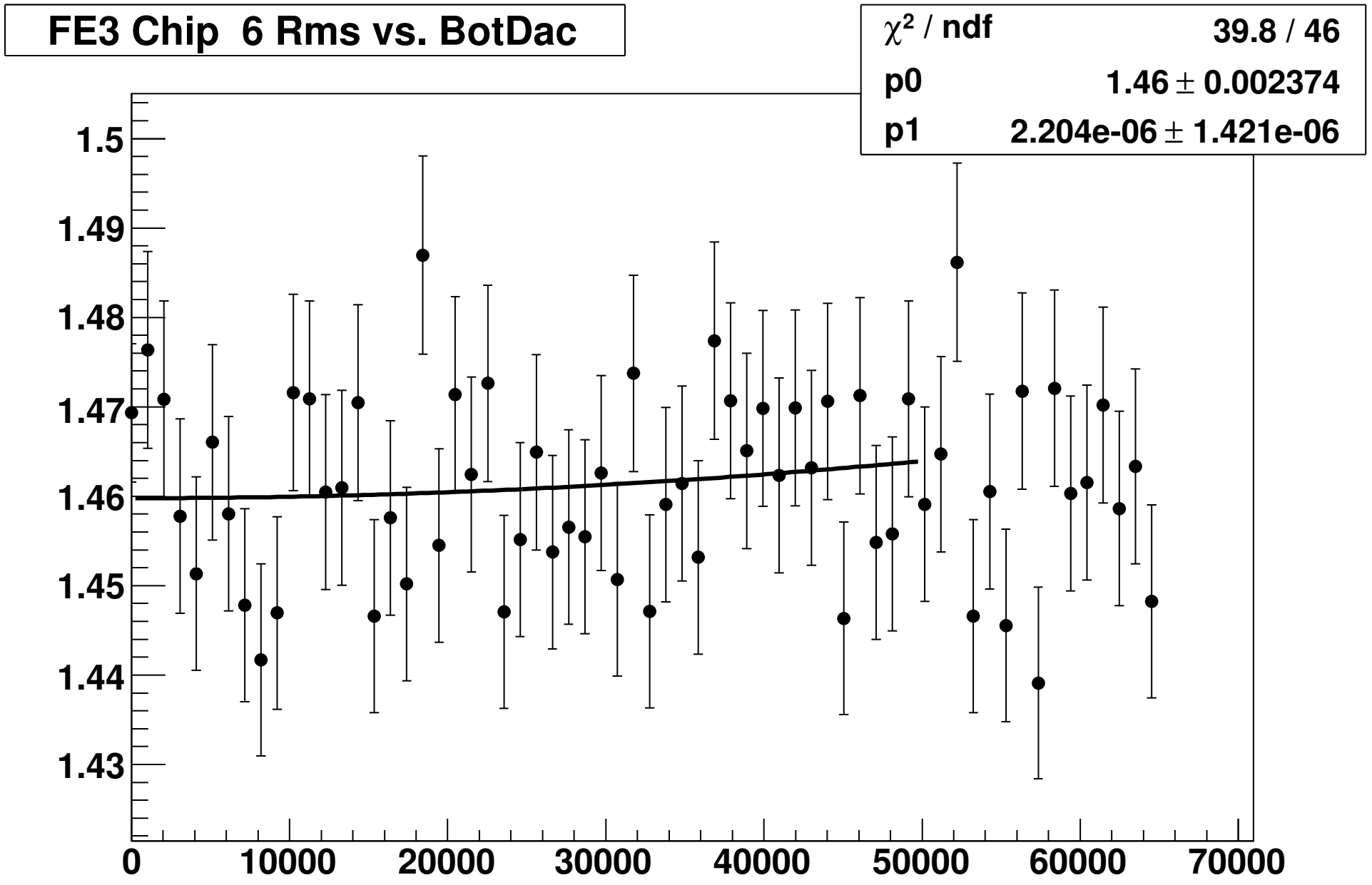
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 39.8 / 46
p0 1.46 ± 0.002374
p1 2.204e-06 ± 1.421e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
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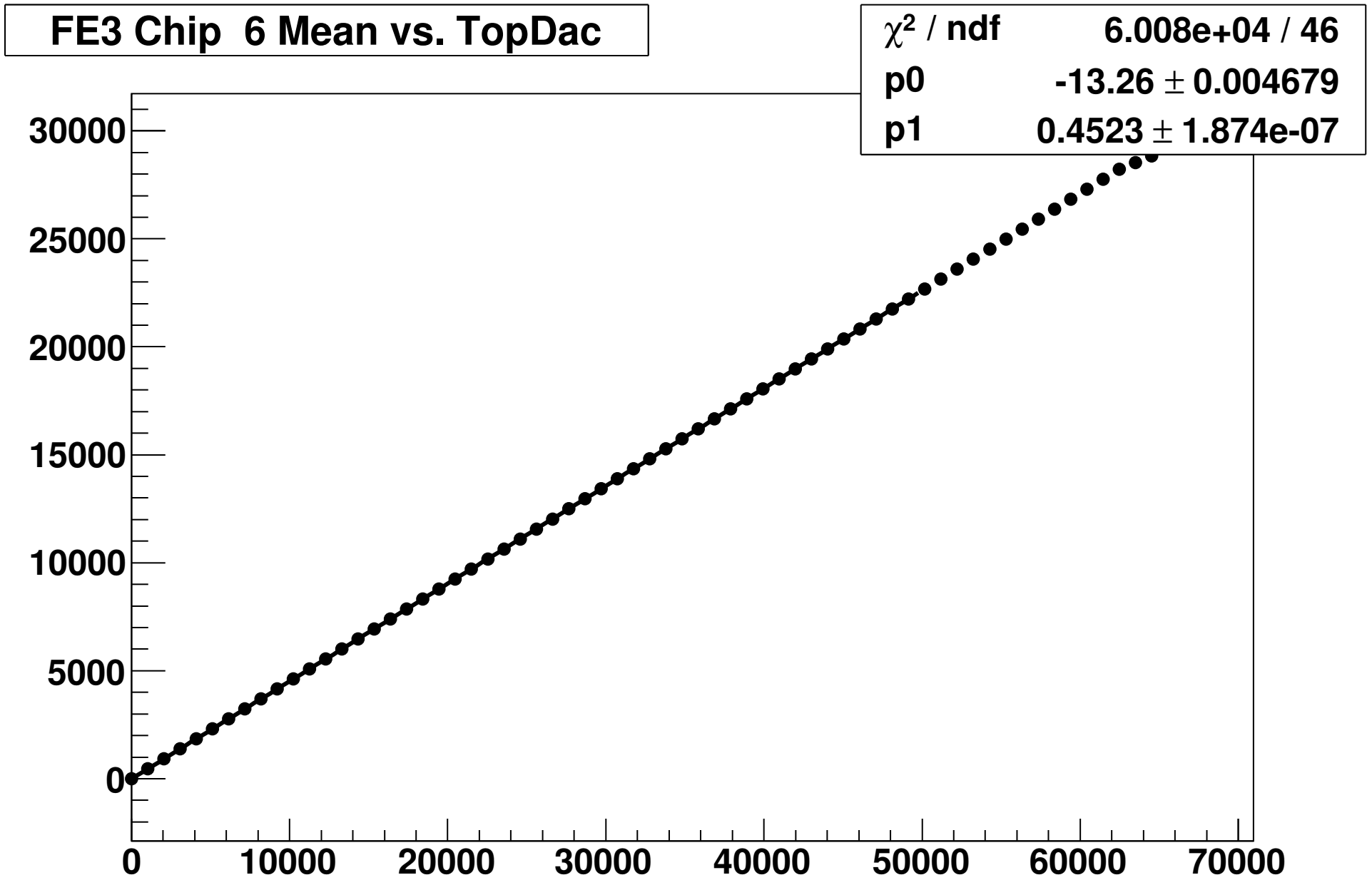
FE3 Chip 6 Mean vs. TopDac
χ² / ndf 6.008e+04 / 46
p0 -13.26 ± 0.004679
p1 0.4523 ± 1.874e-07
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15000
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5000
0
0
10000
20000
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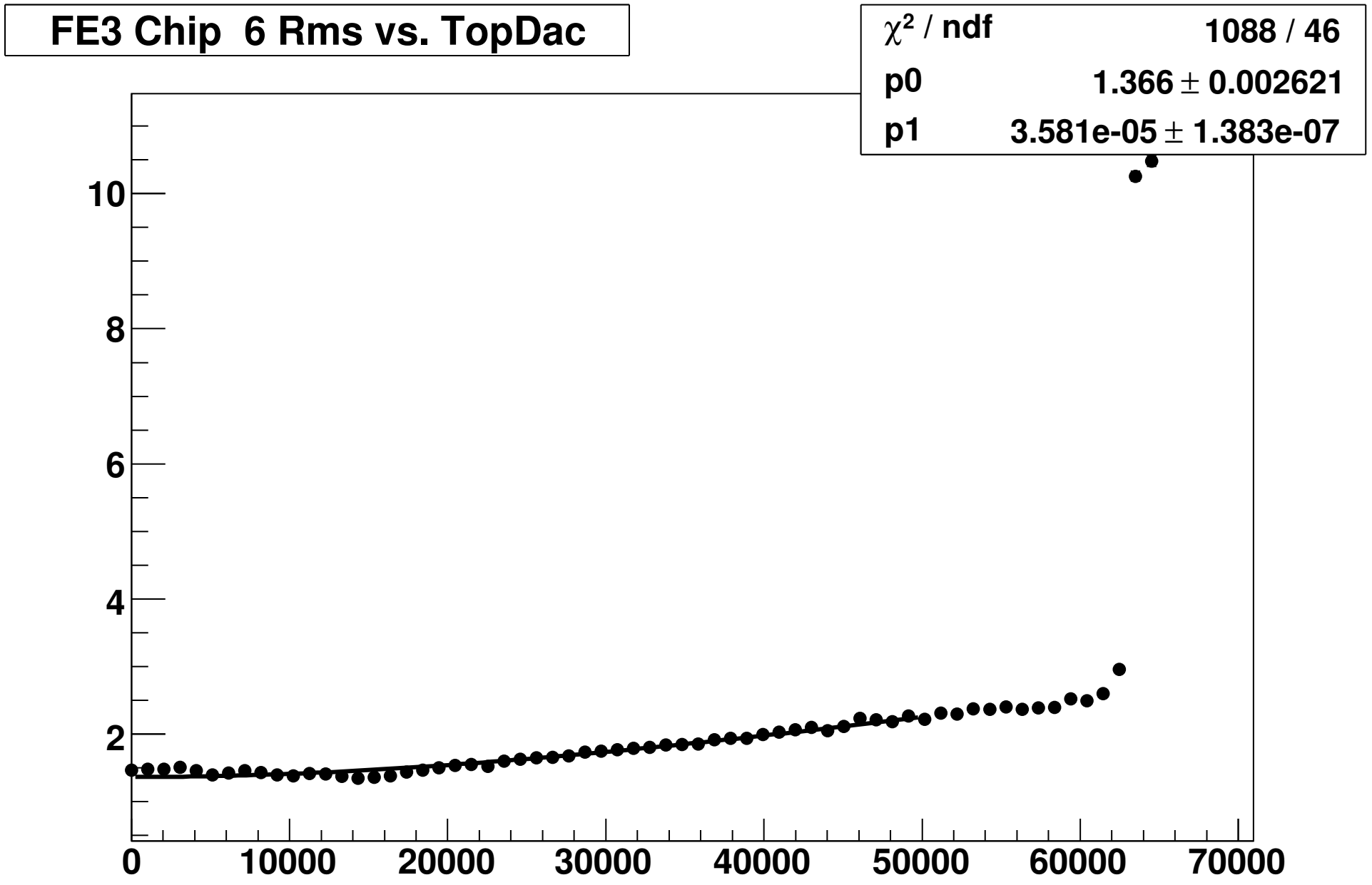
FE3 Chip 6 Rms vs. TopDac
χ² / ndf 1088 / 46
p0 1.366 ± 0.002621
p1 3.581e-05 ± 1.383e-07
10
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6
4
2
0
10000
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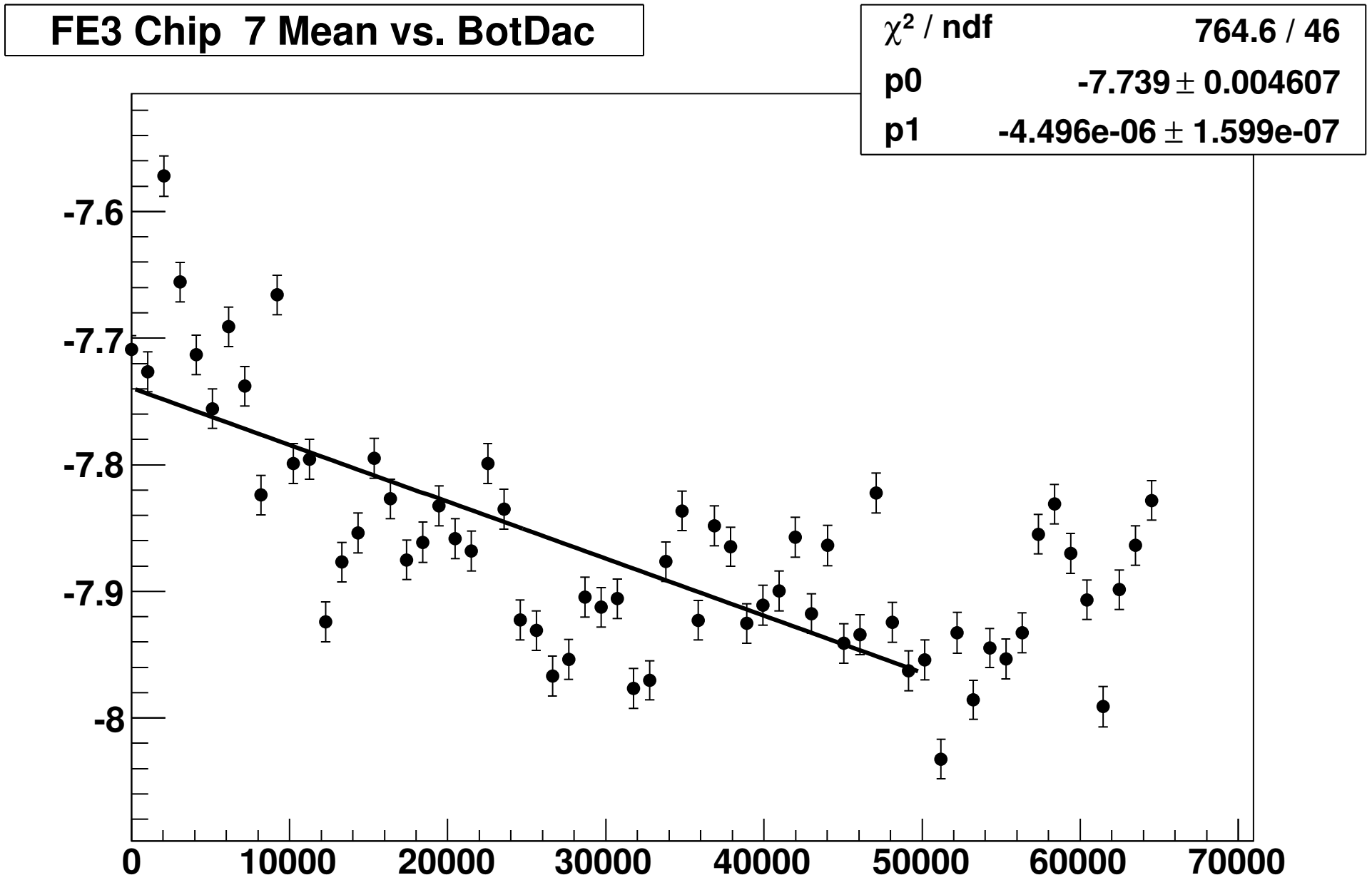
FE3 Chip 7 Mean vs. BotDac
χ² / ndf 764.6 / 46
p0 -7.739 ± 0.004607
p1 -4.496e-06 ± 1.599e-07
-7.6
-7.7
-7.8
-7.9
-8
0
10000
20000
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50000
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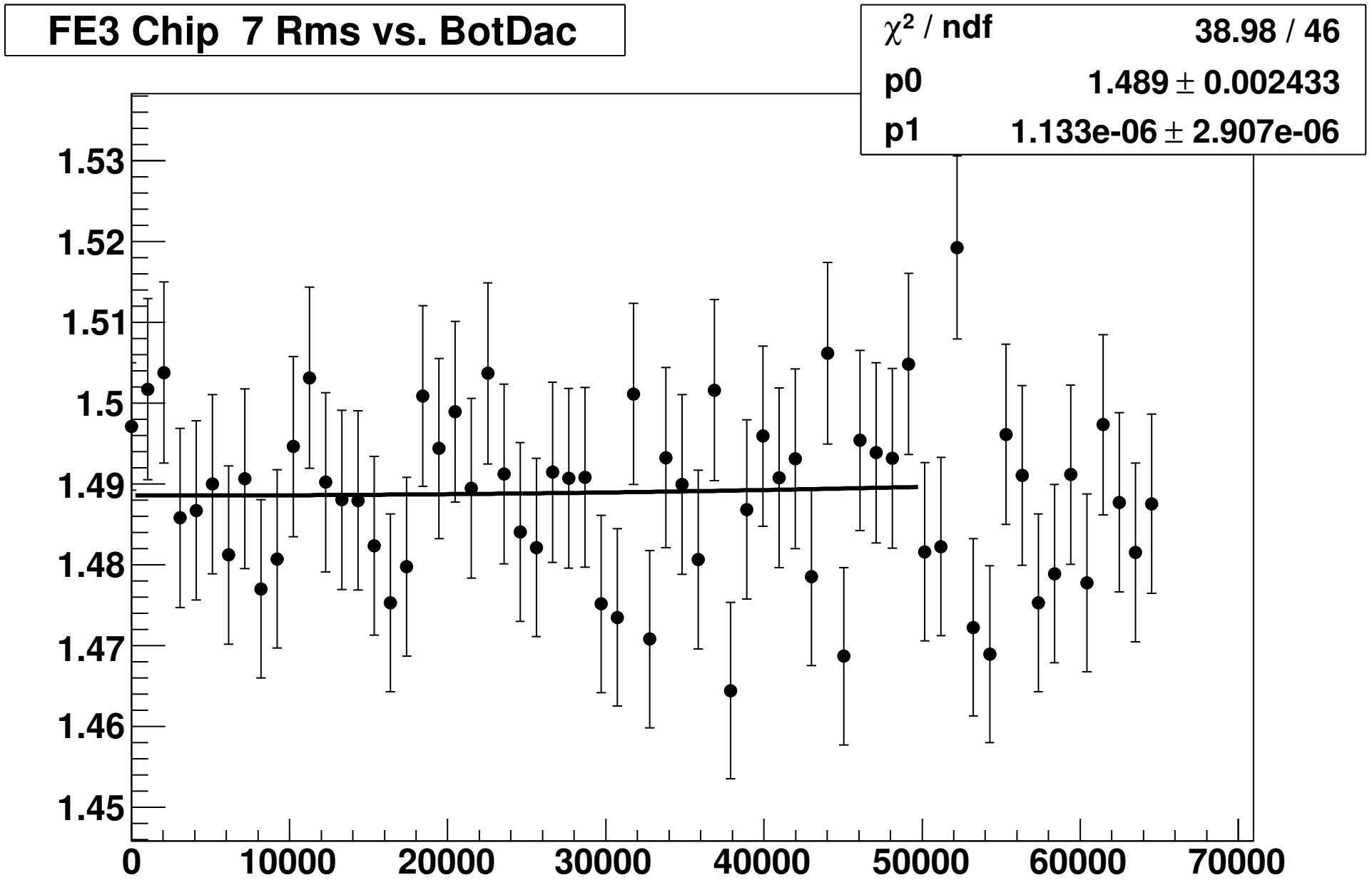
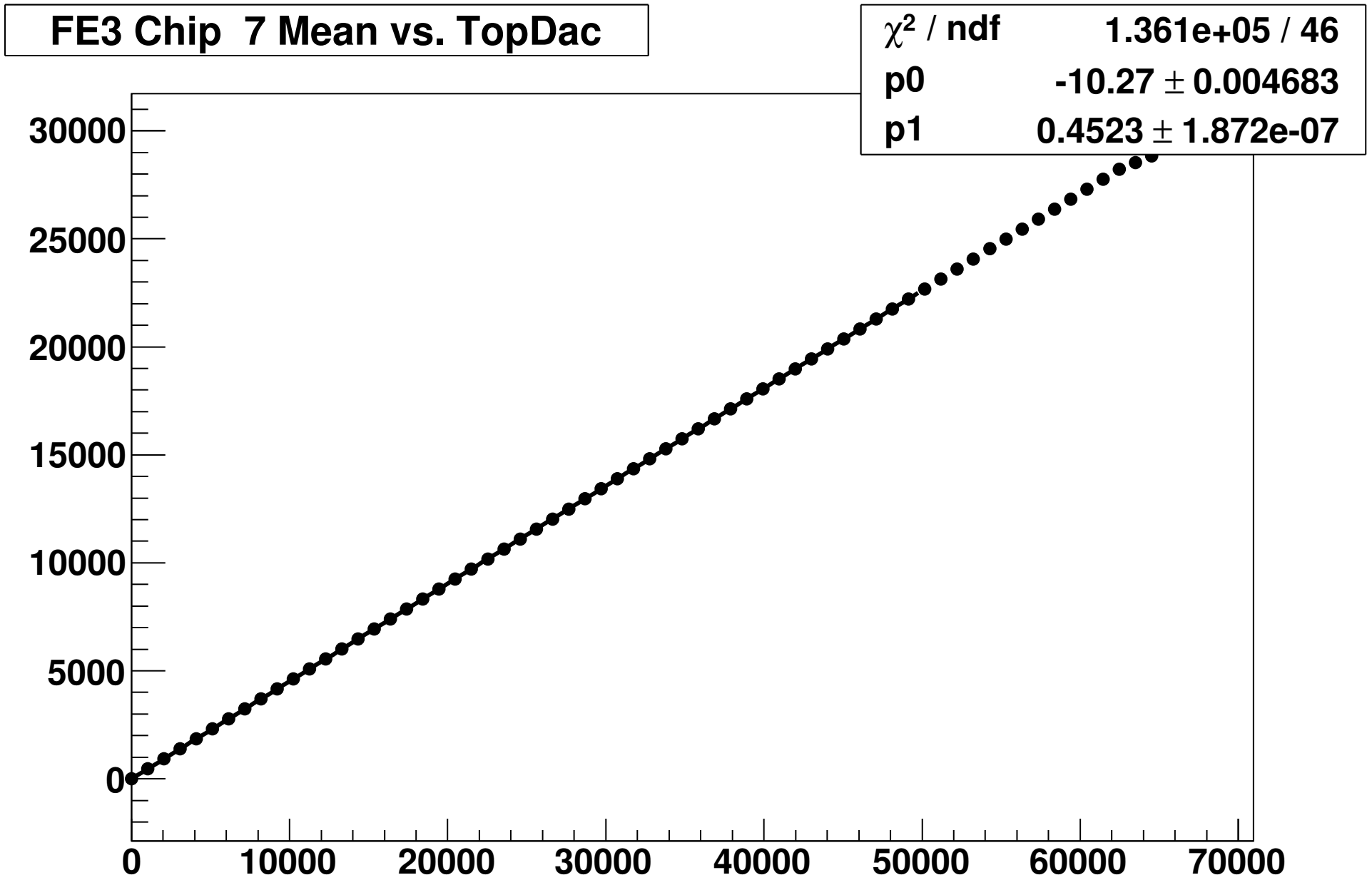
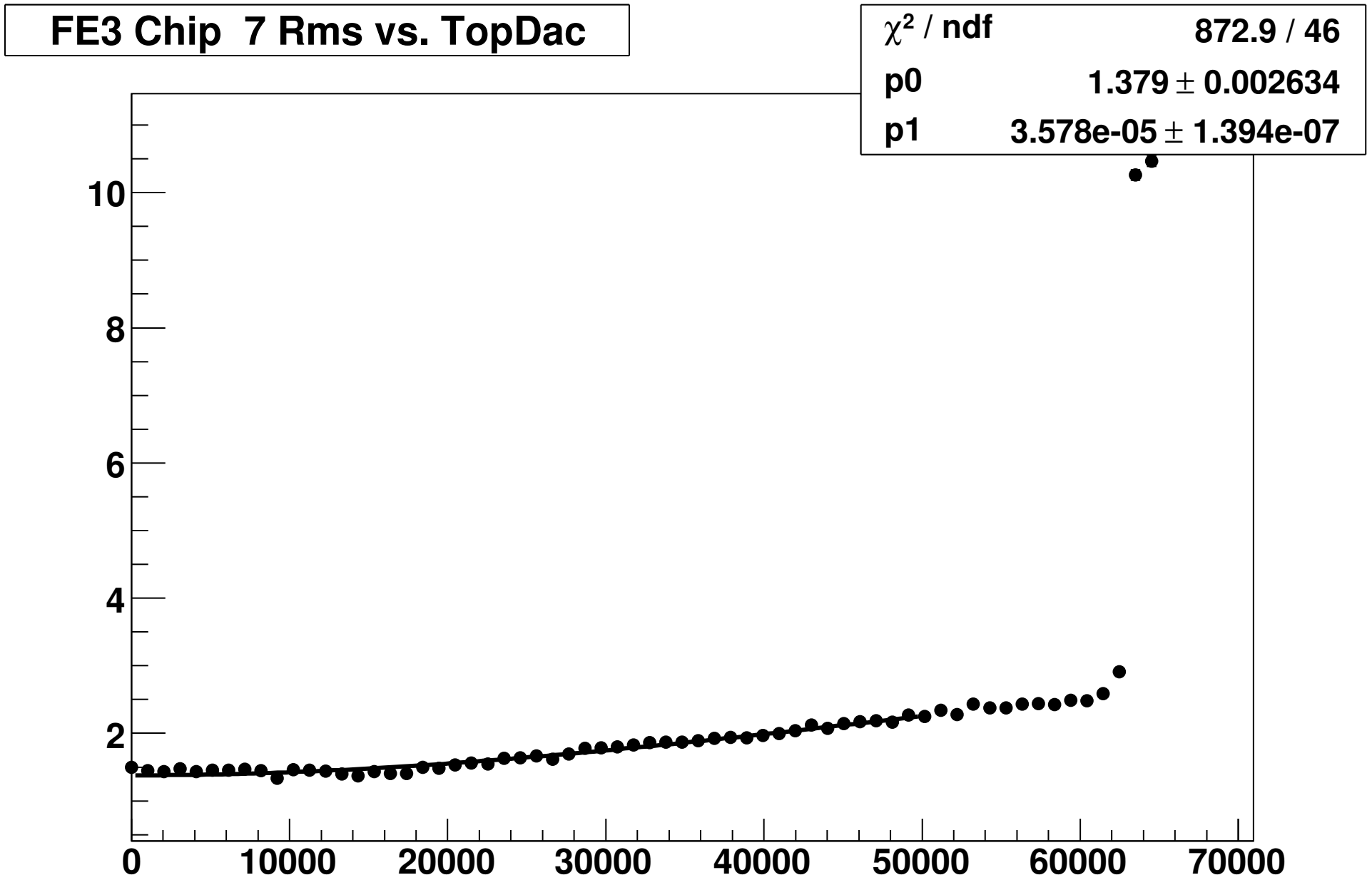
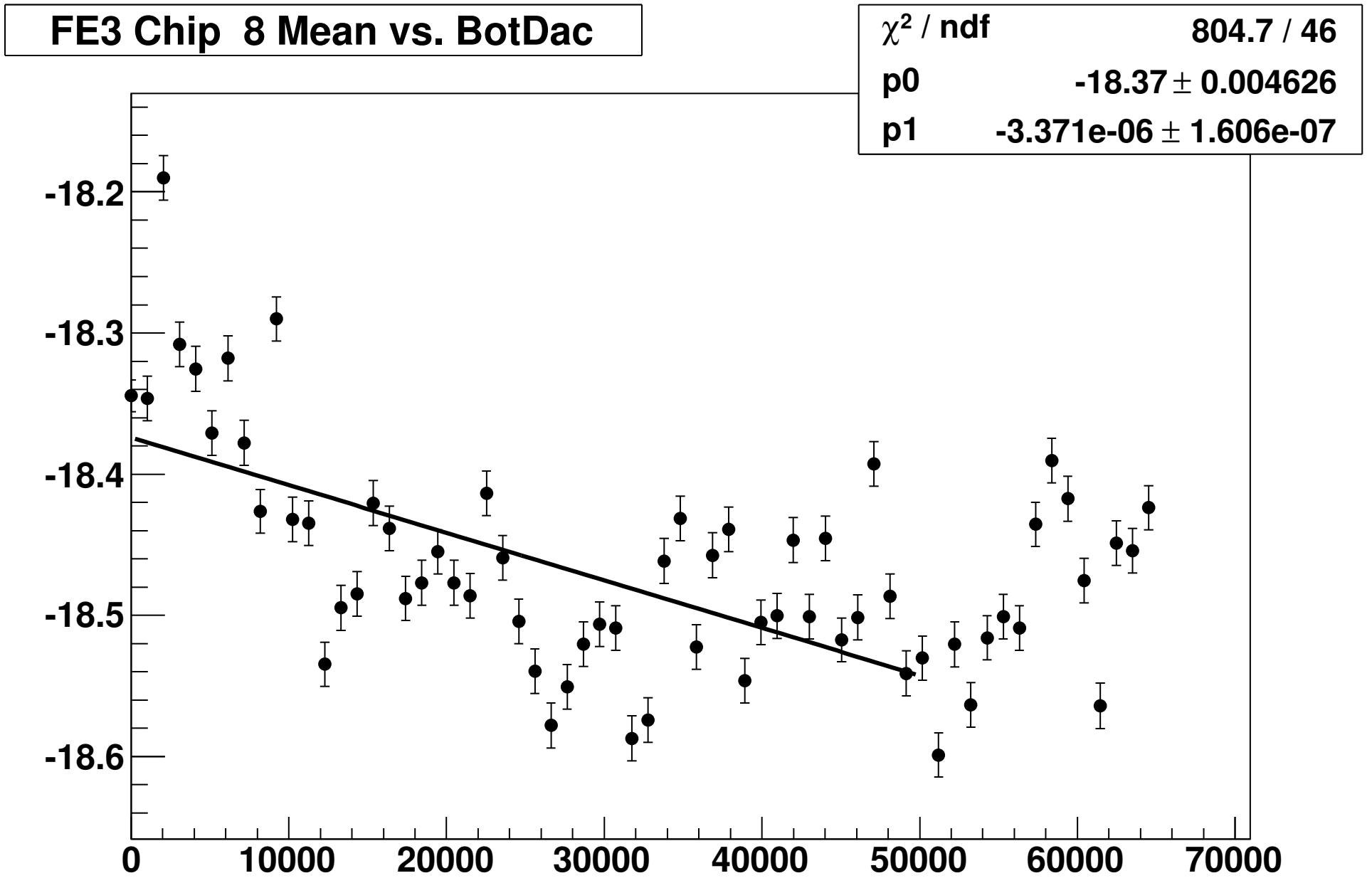

FE3 Chip 7 Rms vs. BotDac
χ² / ndf 38.98 / 46
p0 1.489 ± 0.002433
p1 1.133e-06 ± 2.907e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 1.361e+05 / 46
p0 -10.27 ± 0.004683
p1 0.4523 ± 1.872e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 7 Rms vs. TopDac
χ² / ndf 872.9 / 46
p0 1.379 ± 0.002634
p1 3.578e-05 ± 1.394e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Mean vs. BotDac
χ² / ndf 804.7 / 46
p0 -18.37 ± 0.004626
p1 -3.371e-06 ± 1.606e-07
-18.2
-18.3
-18.4
-18.5
-18.6
0
10000
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50000
60000
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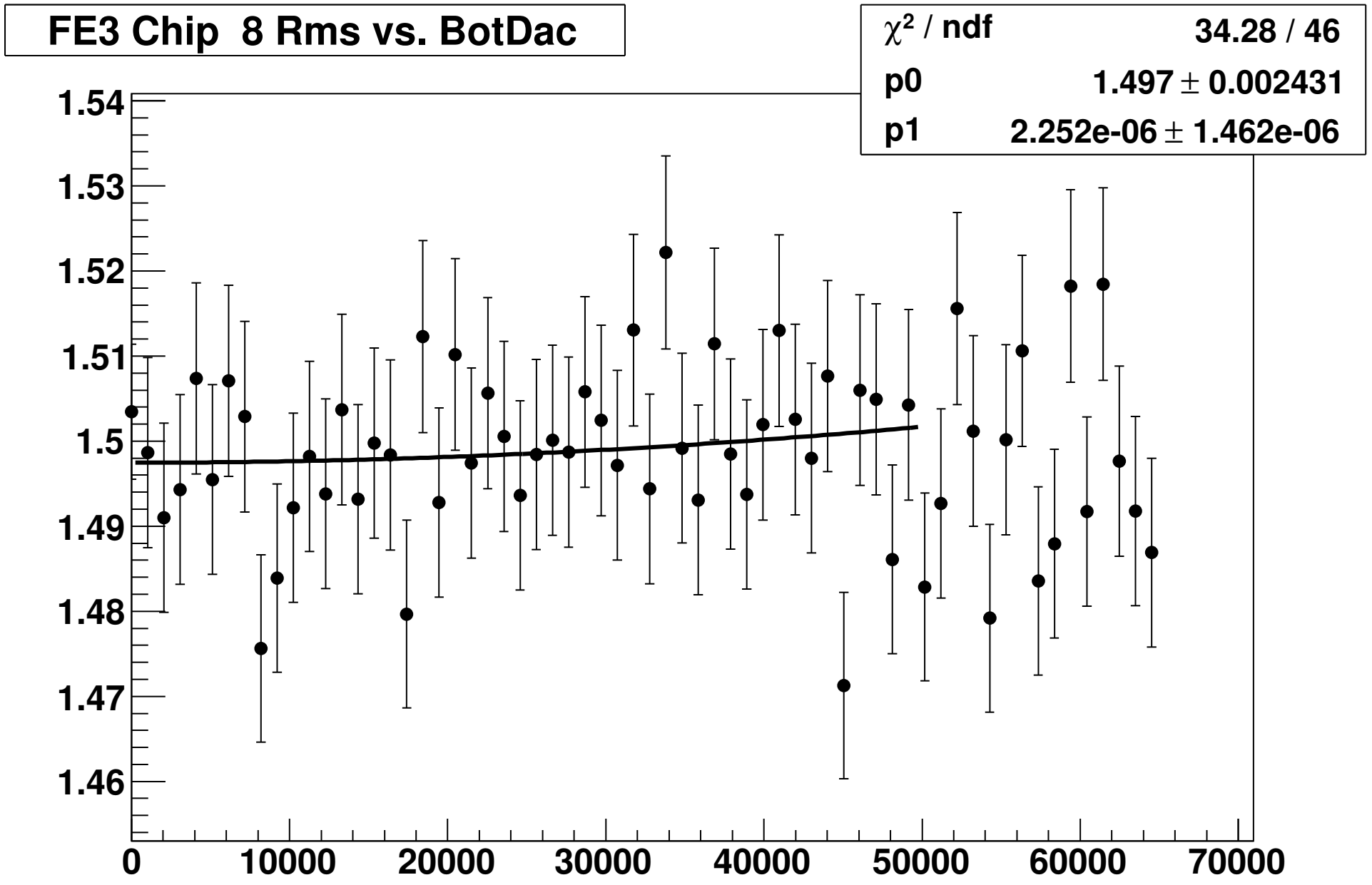
FE3 Chip 8 Rms vs. BotDac
χ² / ndf 34.28 / 46
p0 1.497 ± 0.002431
p1 2.252e-06 ± 1.462e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
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50000
60000
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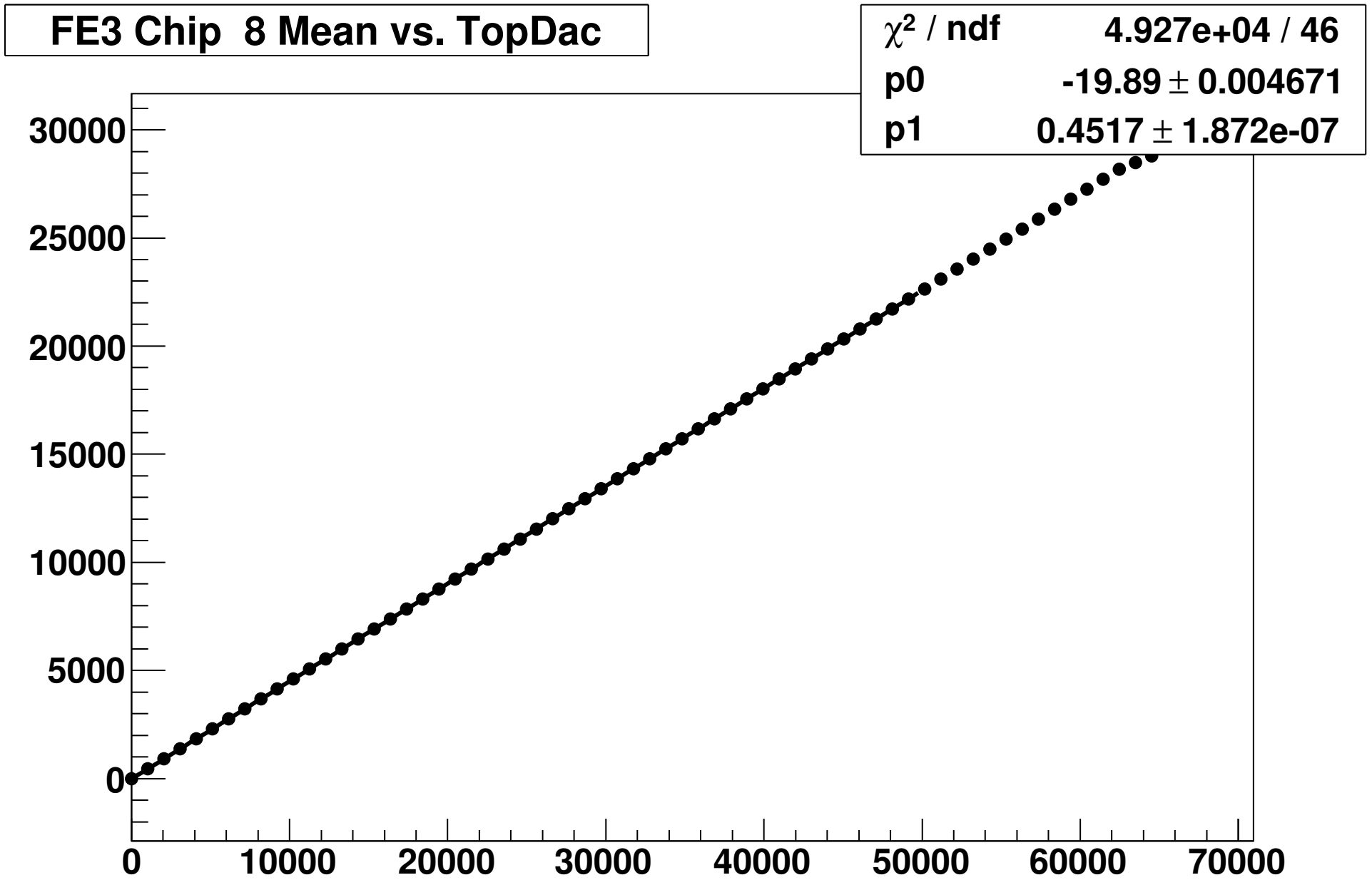
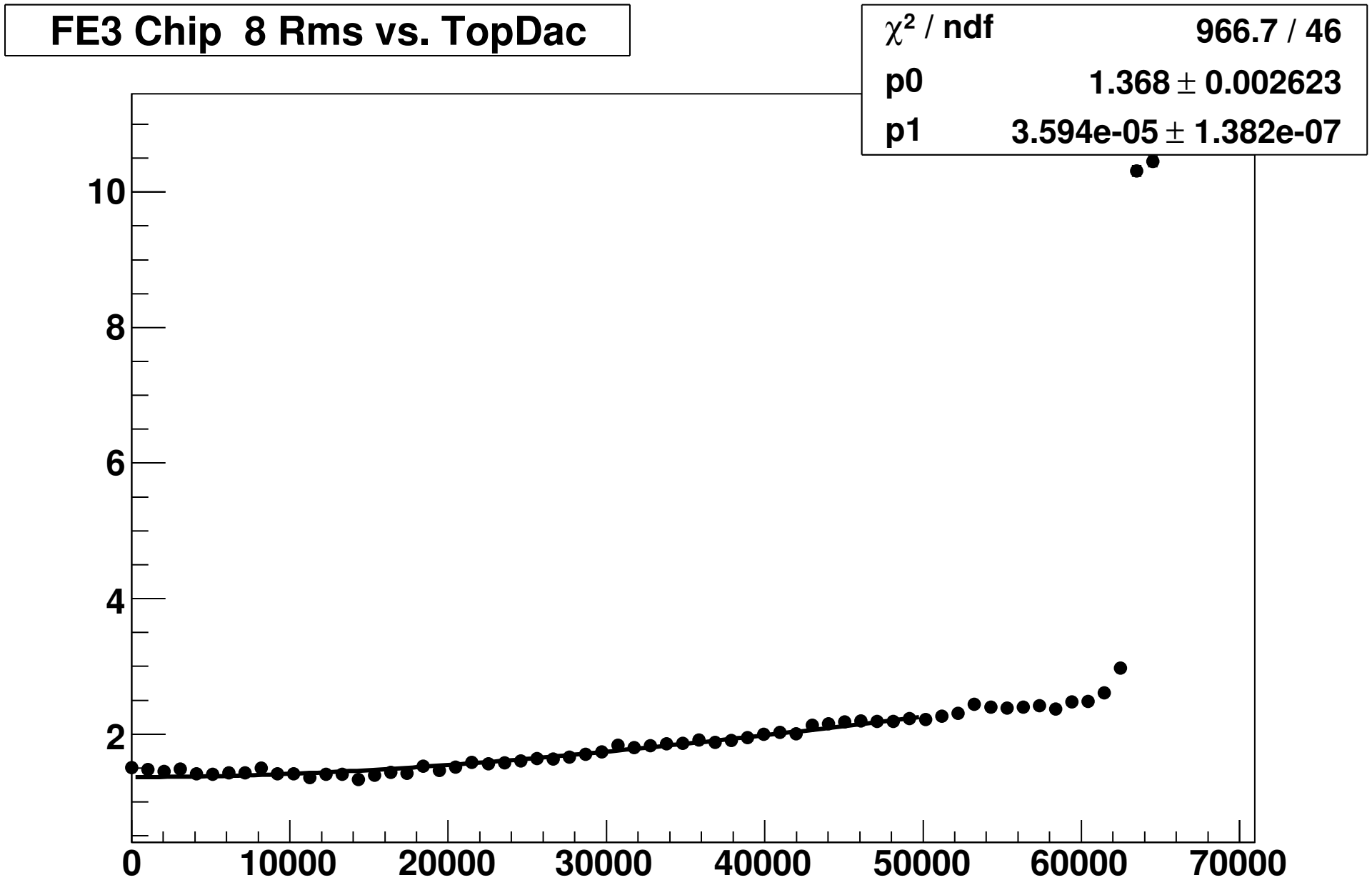
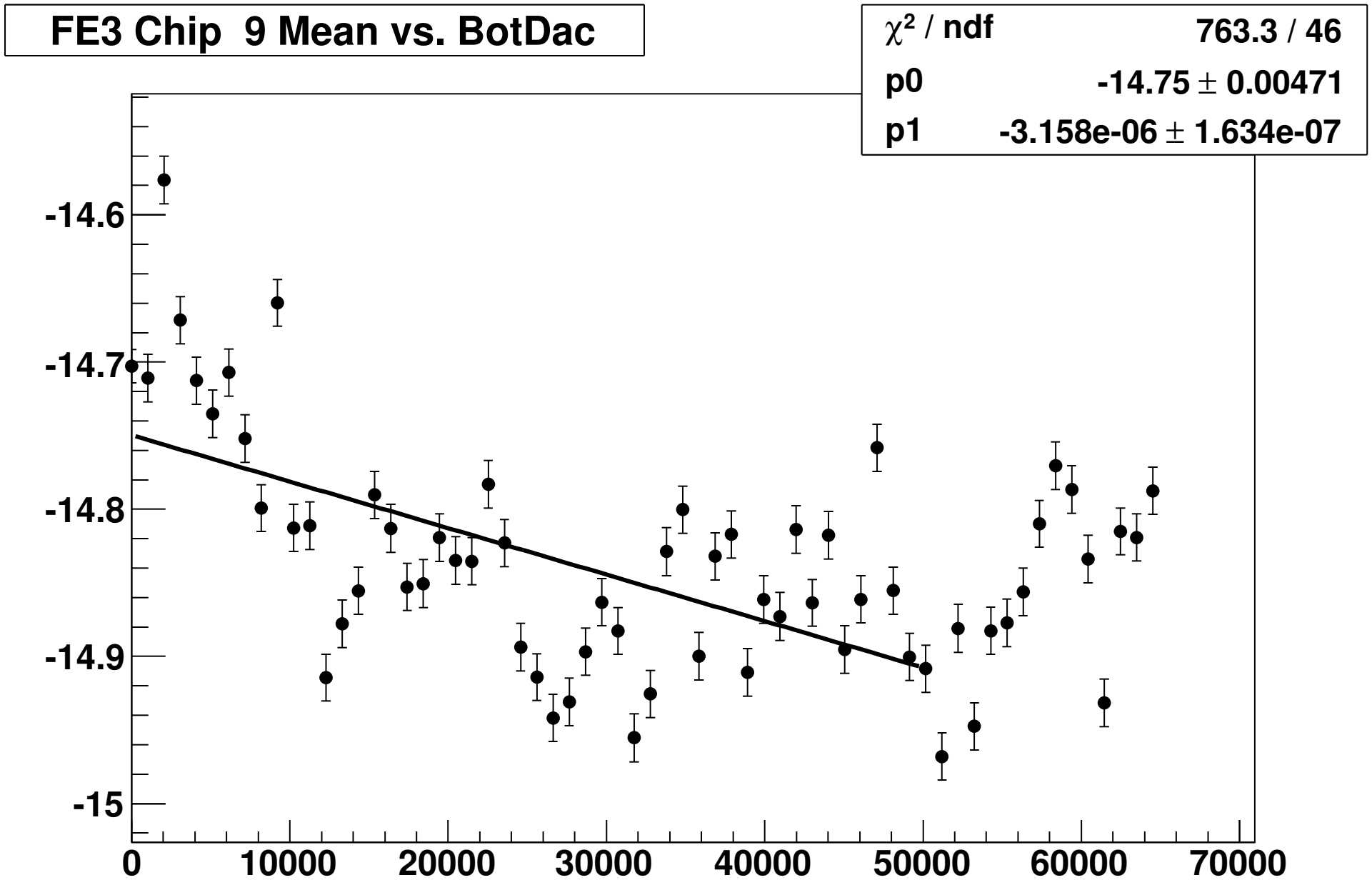

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 4.927e+04 / 46
p0 -19.89 ± 0.004671
p1 0.4517 ± 1.872e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 8 Rms vs. TopDac
χ² / ndf 966.7 / 46
p0 1.368 ± 0.002623
p1 3.594e-05 ± 1.382e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. BotDac
χ² / ndf 763.3 / 46
p0 -14.75 ± 0.00471
p1 -3.158e-06 ± 1.634e-07
-14.6
-14.7
-14.8
-14.9
-15
0
10000
20000
30000
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50000
60000
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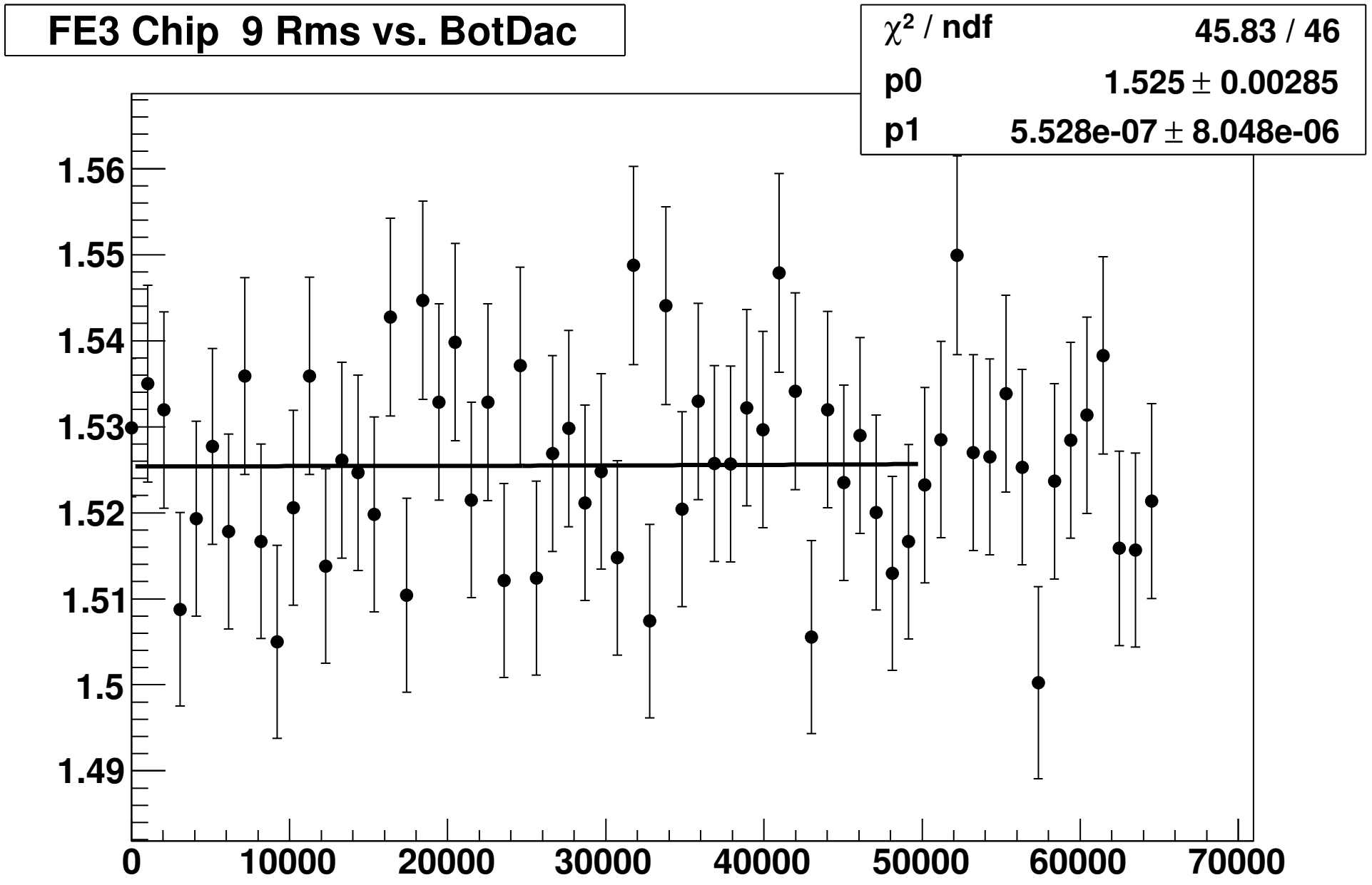
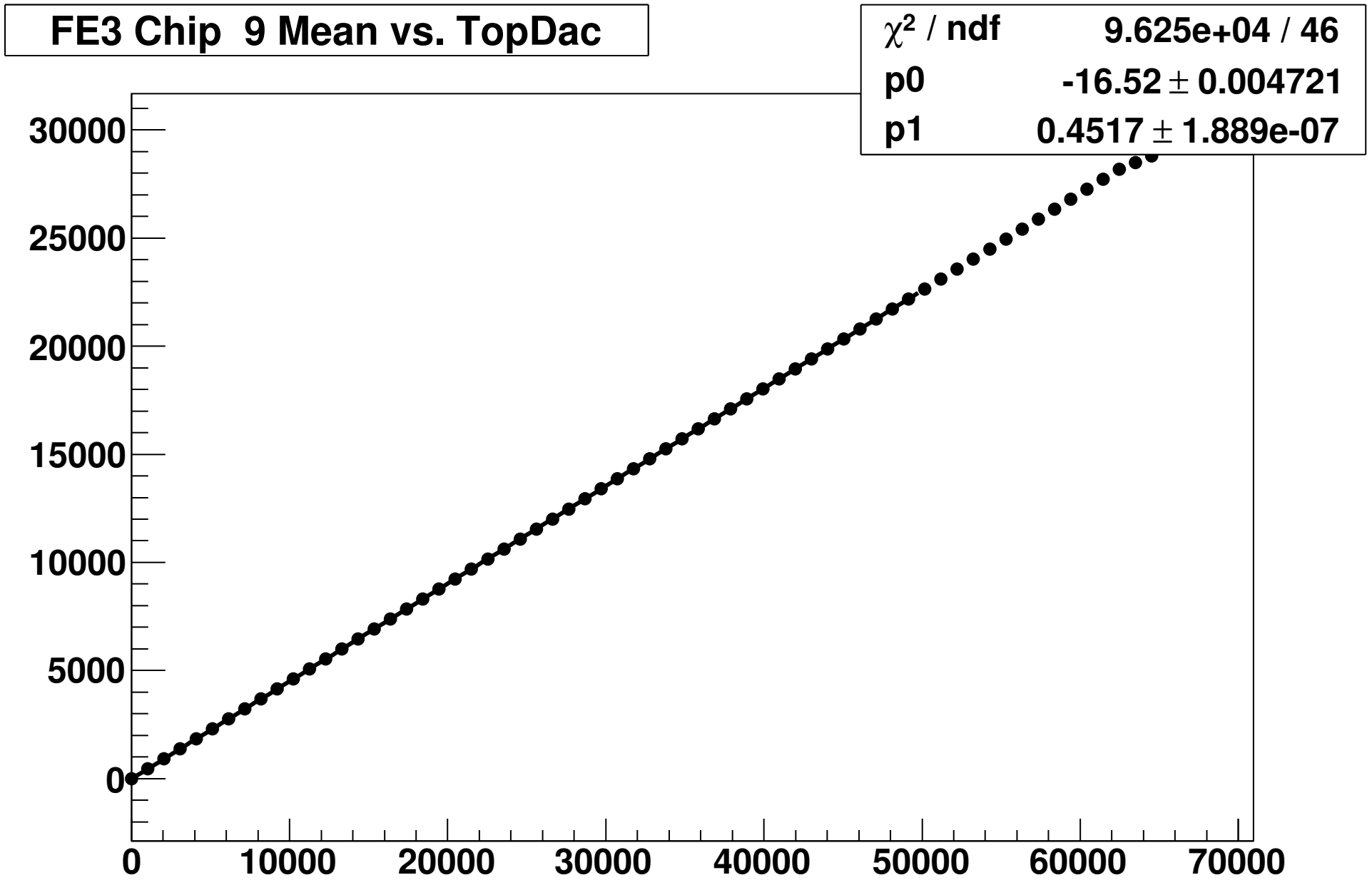

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 45.83 / 46
p0 1.525 ± 0.00285
p1 5.528e-07 ± 8.048e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 9 Mean vs. TopDac
χ² / ndf 9.625e+04 / 46
p0 -16.52 ± 0.004721
p1 0.4517 ± 1.889e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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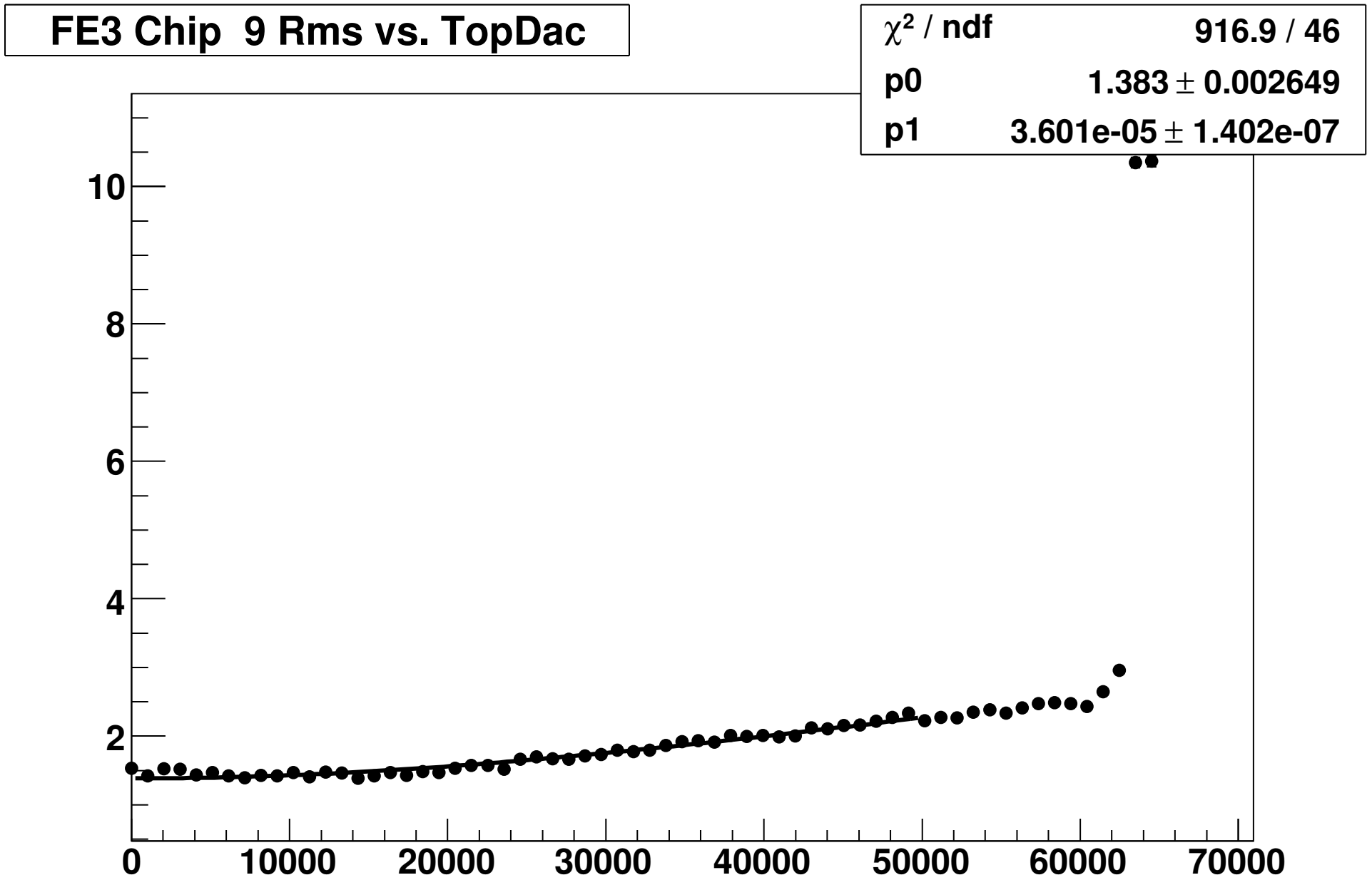
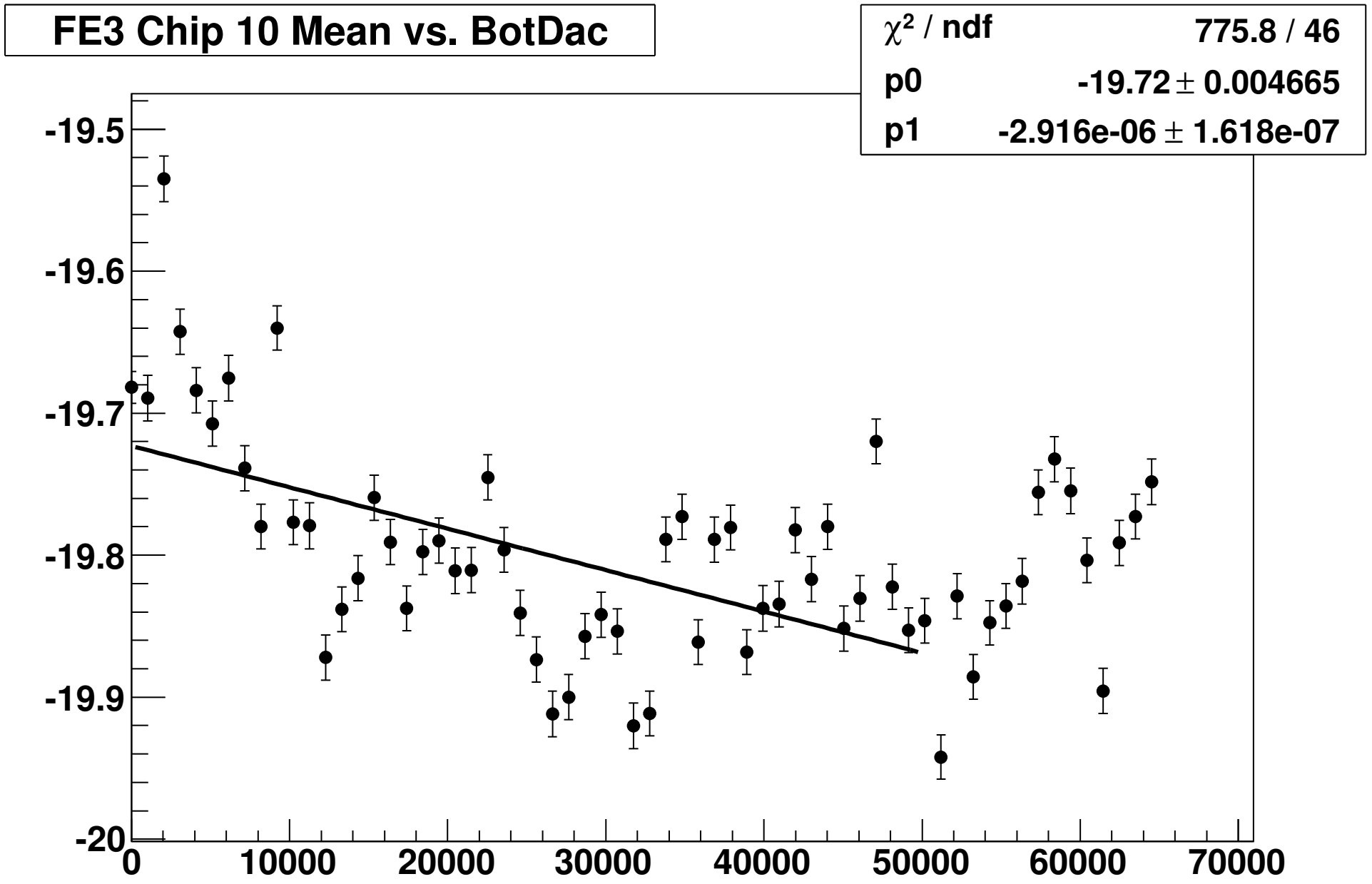

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 916.9 / 46
p0 1.383 ± 0.002649
p1 3.601e-05 ± 1.402e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 10 Mean vs. BotDac
χ² / ndf 775.8 / 46
p0 -19.72 ± 0.004665
p1 -2.916e-06 ± 1.618e-07
-19.5
-19.6
-19.7
-19.8
-19.9
-20
0
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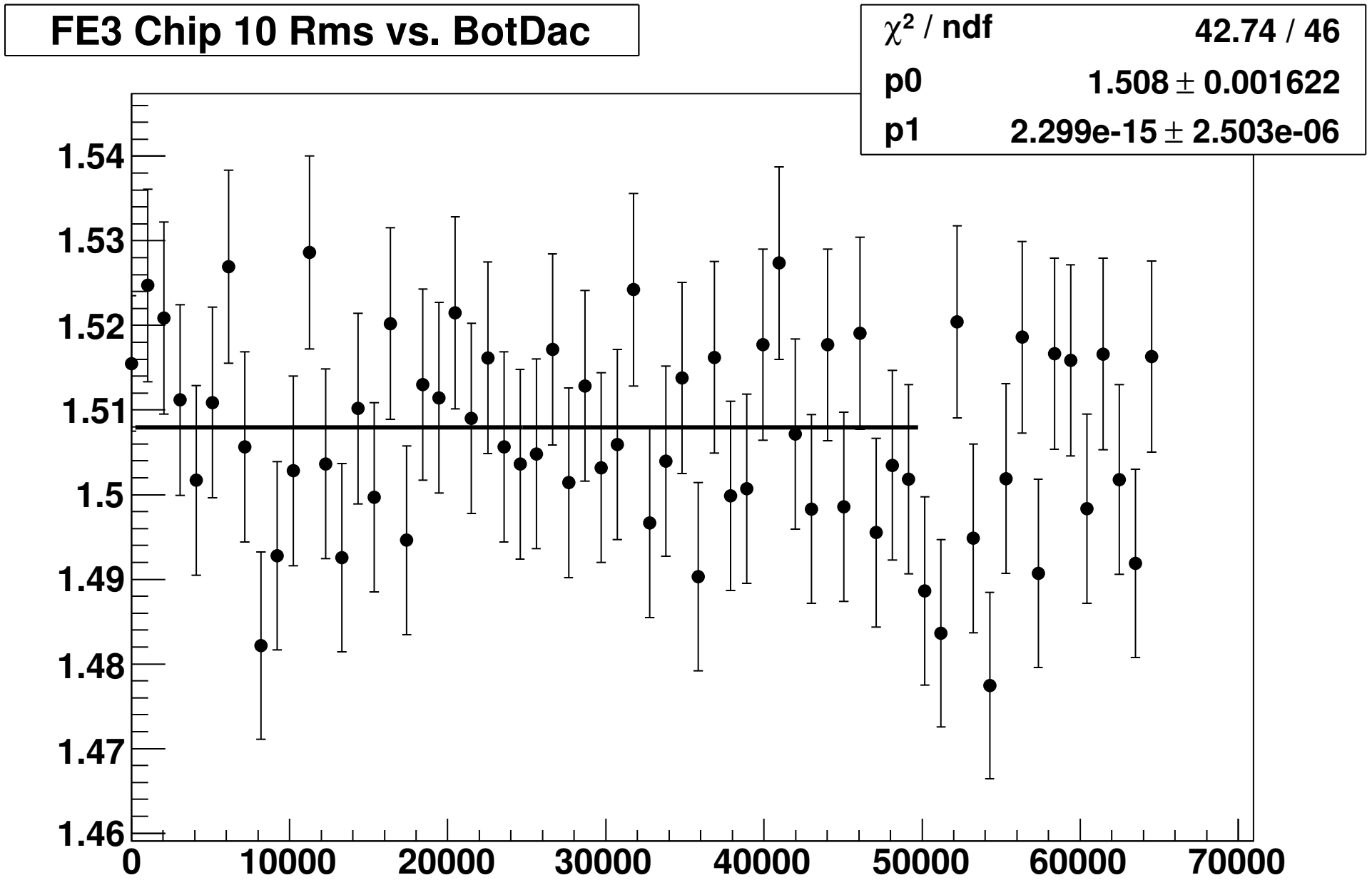
60000
70000


FE3 Chip 10 Rms vs. BotDac
χ² / ndf 42.74 / 46
p0 1.508 ± 0.001622
p1 2.299e-15 ± 2.503e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
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20000
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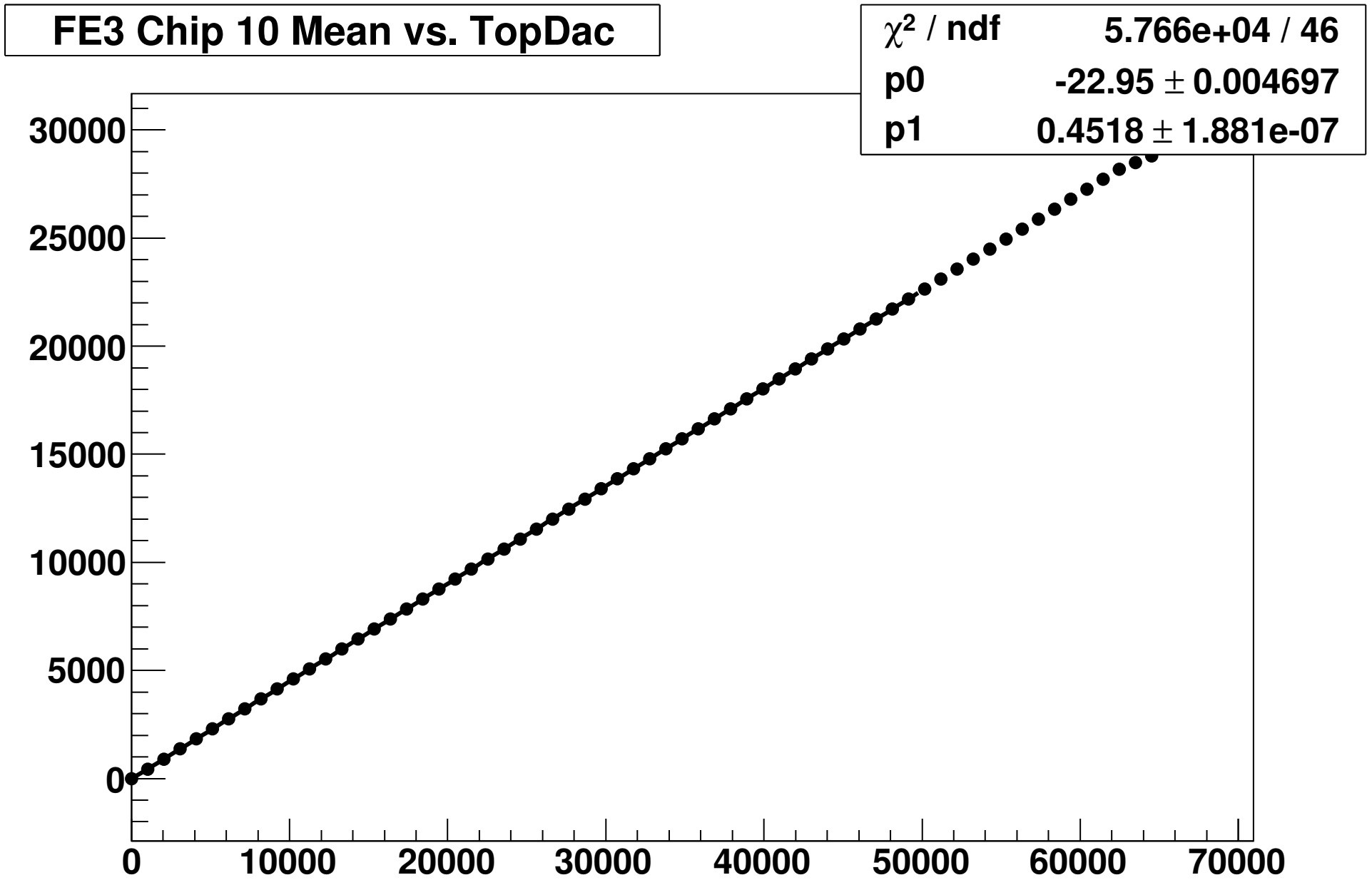
FE3 Chip 10 Mean vs. TopDac
χ² / ndf 5.766e+04 / 46
p0 -22.95 ± 0.004697
p1 0.4518 ± 1.881e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
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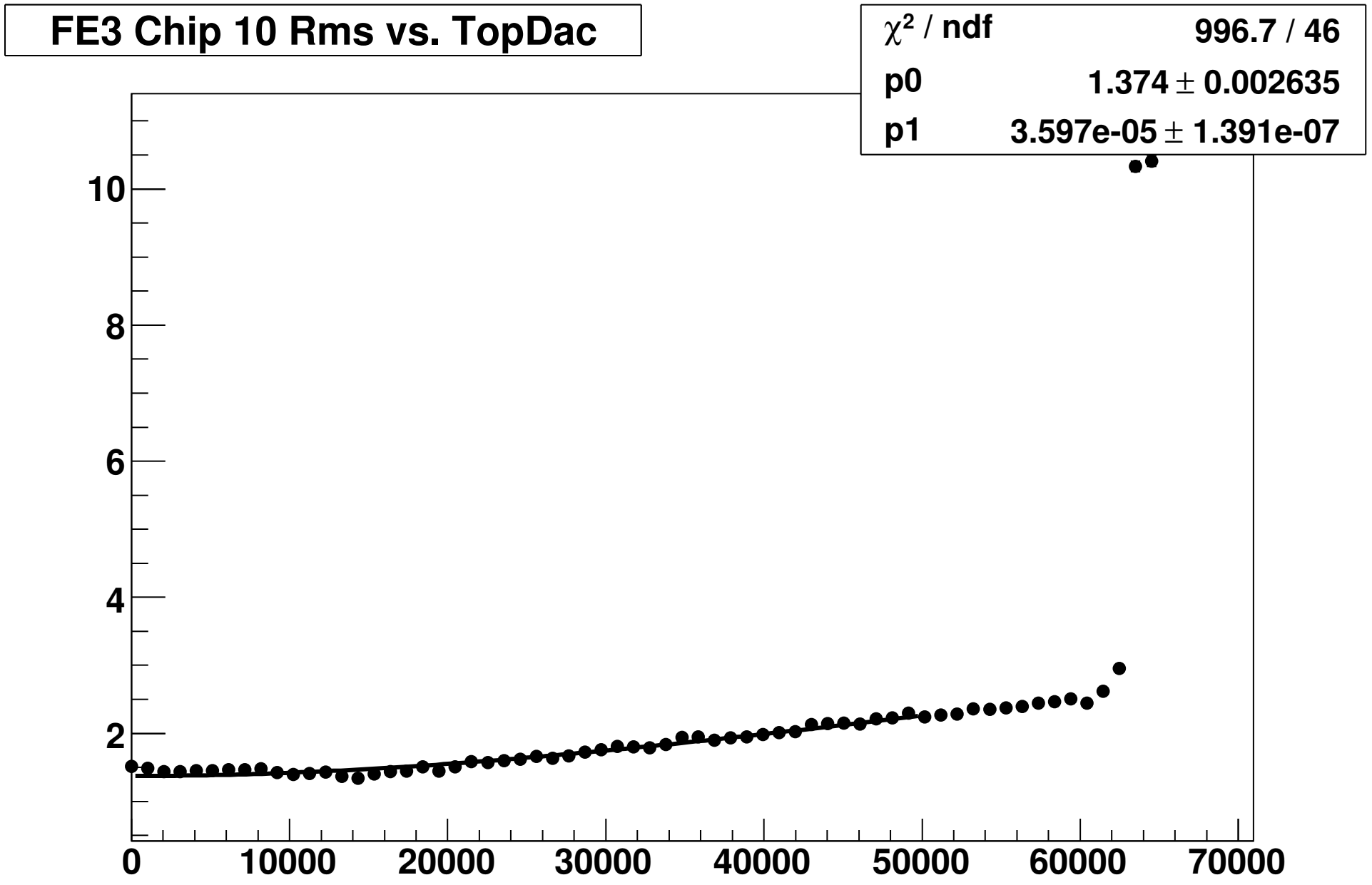
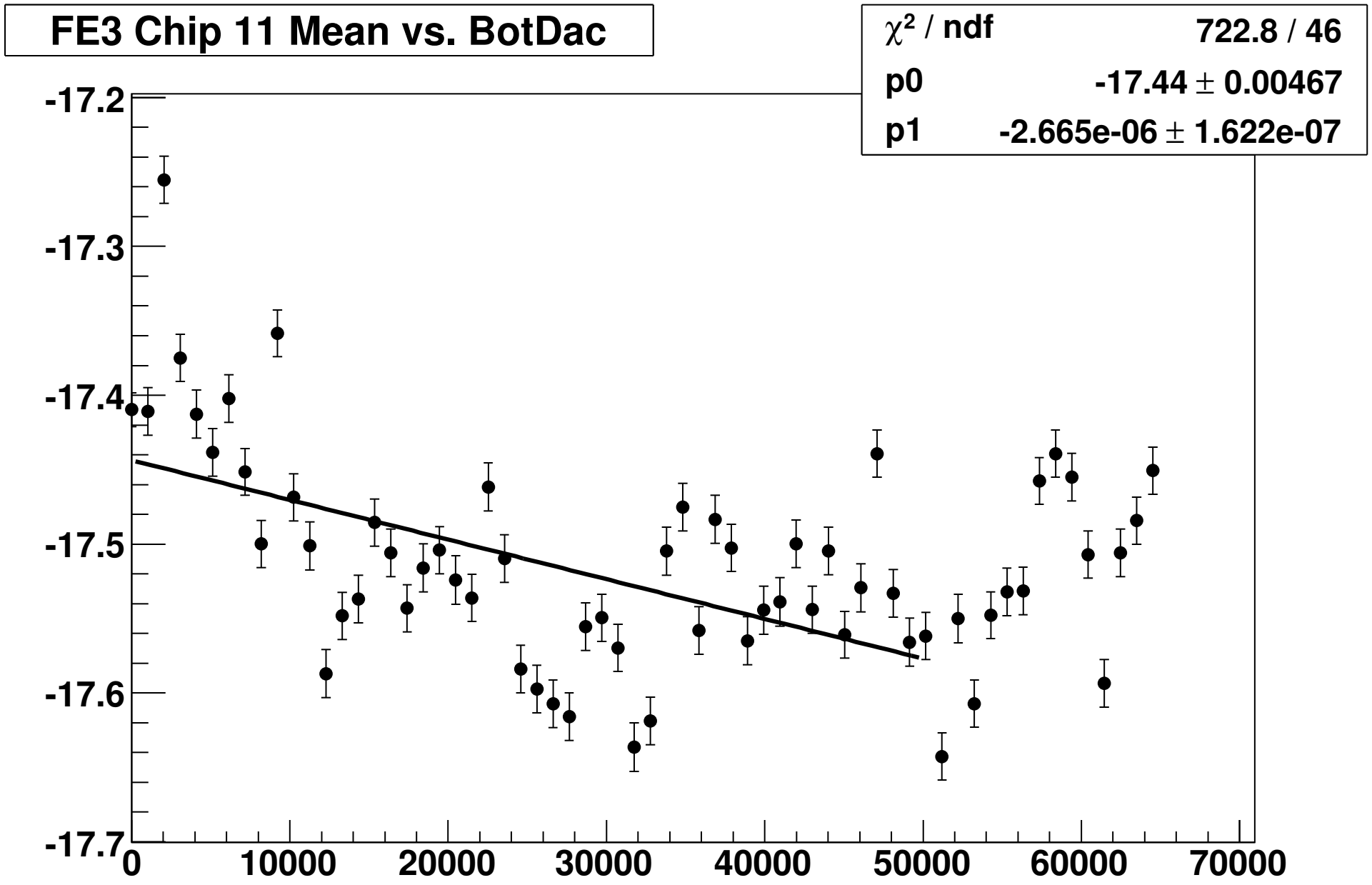
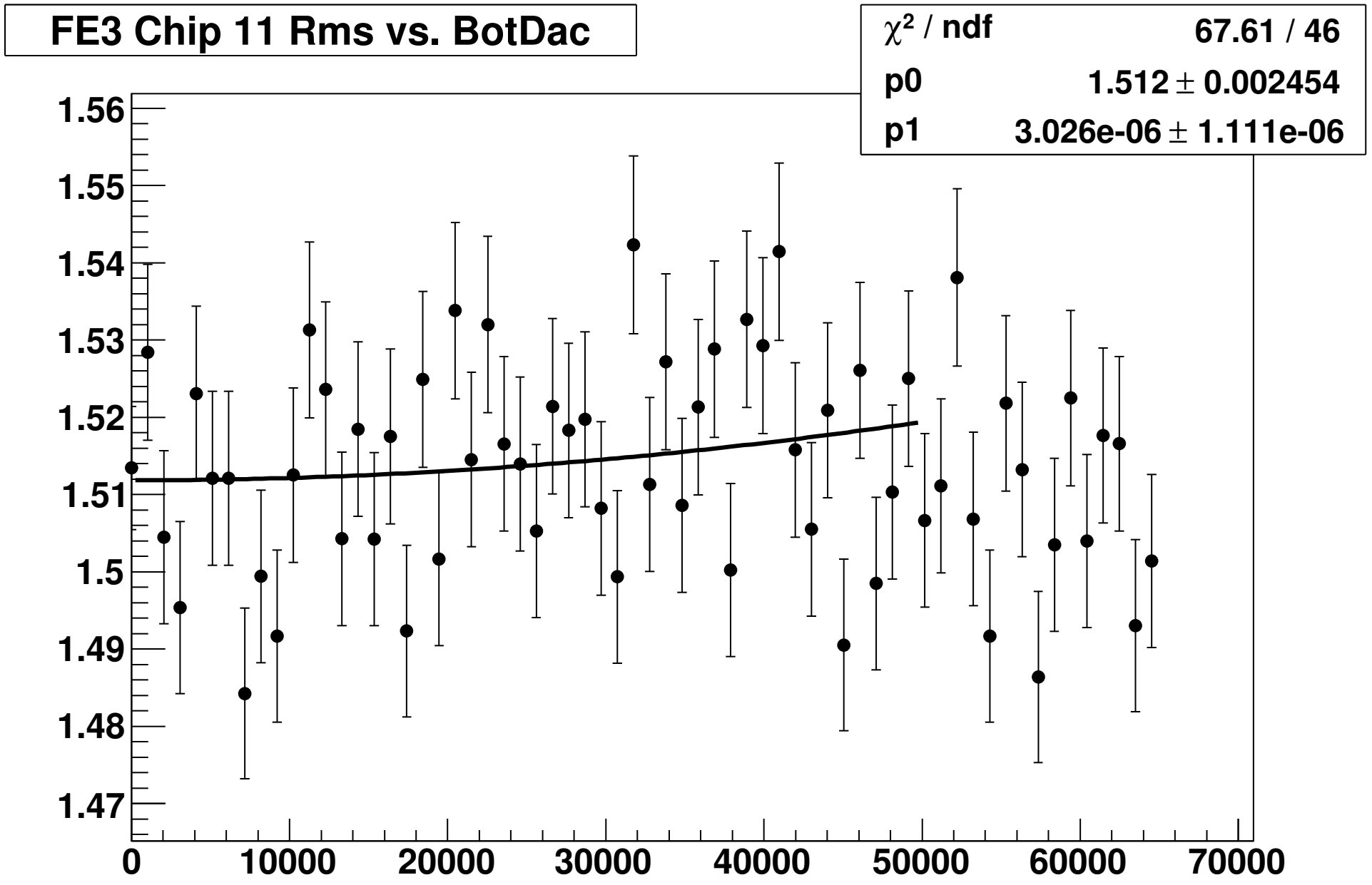
70000


FE3 Chip 10 Rms vs. TopDac
χ² / ndf 996.7 / 46
p0 1.374 ± 0.002635
p1 3.597e-05 ± 1.391e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Mean vs. BotDac
χ² / ndf 722.8 / 46
p0 -17.44 ± 0.00467
p1 -2.665e-06 ± 1.622e-07
-17.2
-17.3
-17.4
-17.5
-17.6
-17.7
0
10000
20000
30000
40000
50000
60000
70000


FE3 Chip 11 Rms vs. BotDac
χ² / ndf 67.61 / 46
p0 1.512 ± 0.002454
p1 3.026e-06 ± 1.111e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
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50000
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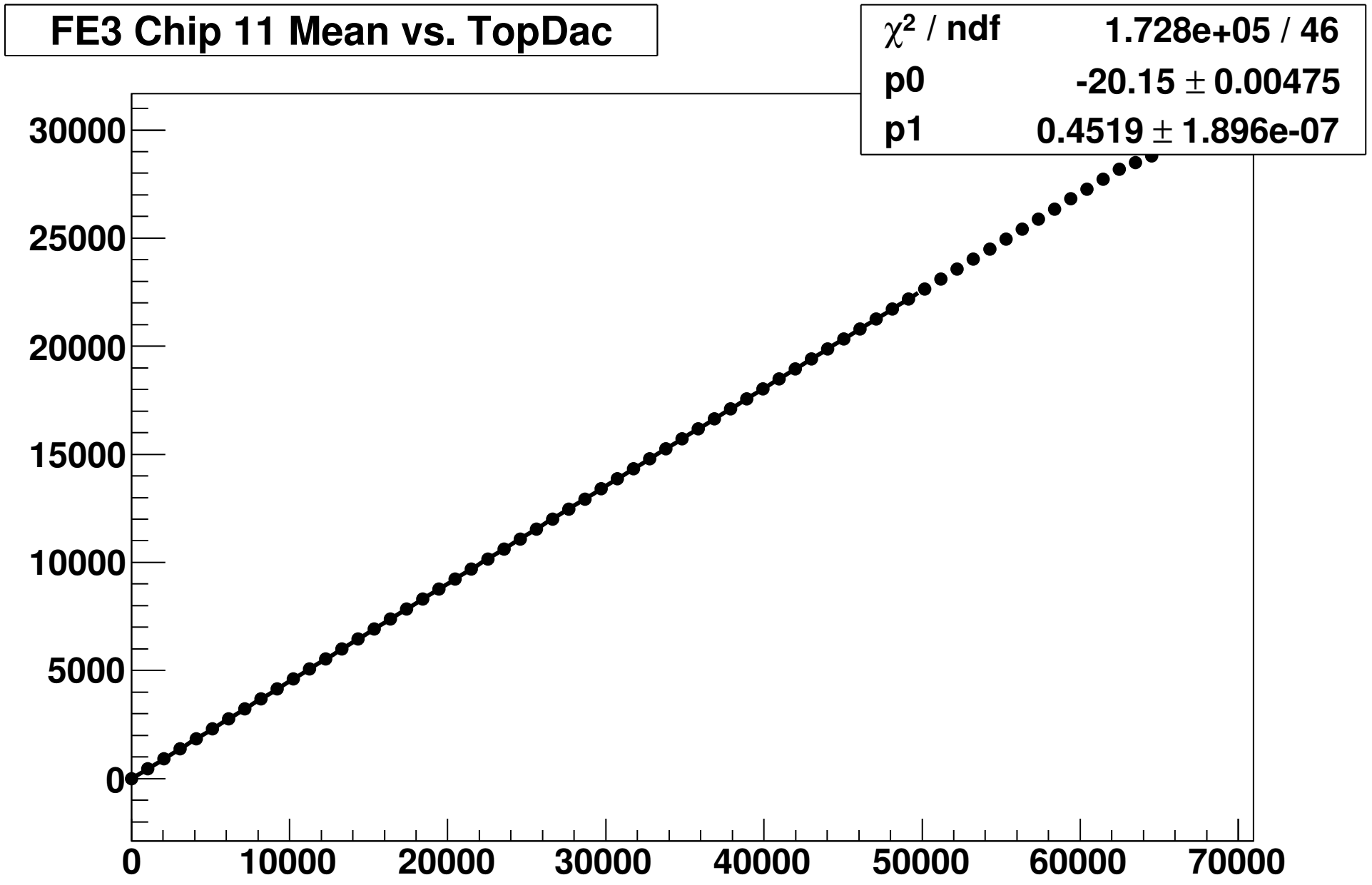
FE3 Chip 11 Mean vs. TopDac
χ² / ndf 1.728e+05 / 46
p0 -20.15 ± 0.00475
p1 0.4519 ± 1.896e-07
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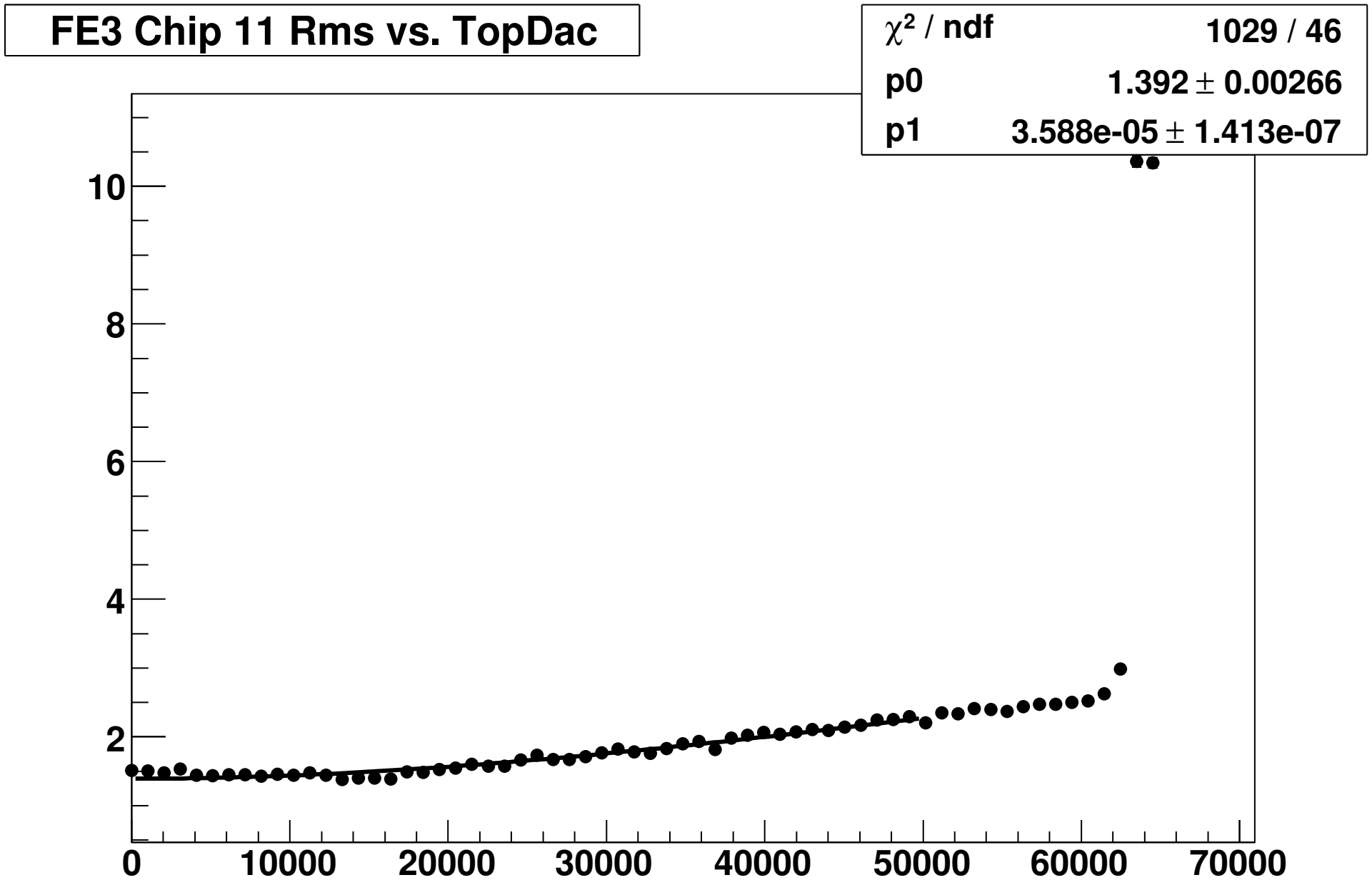
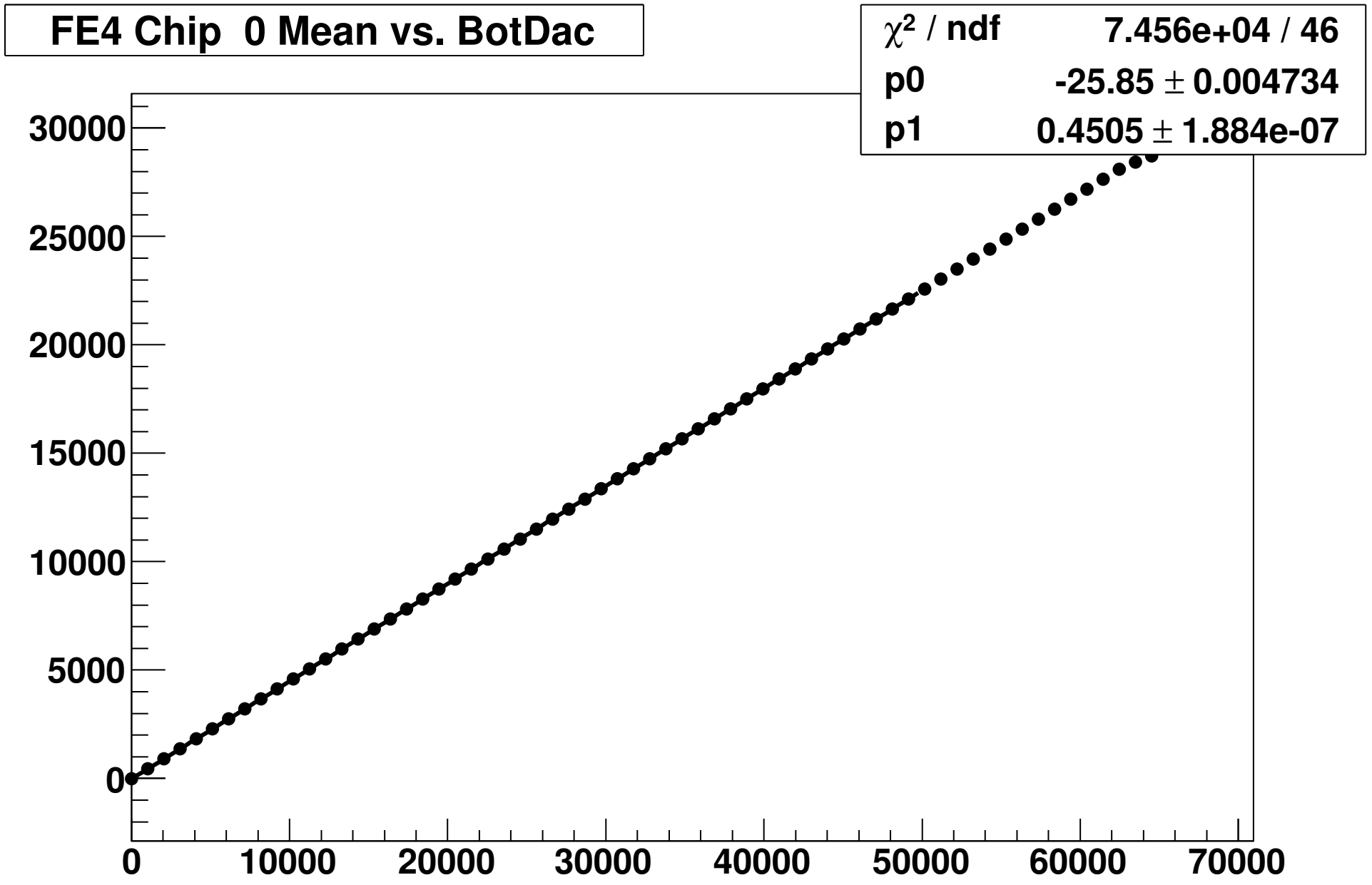
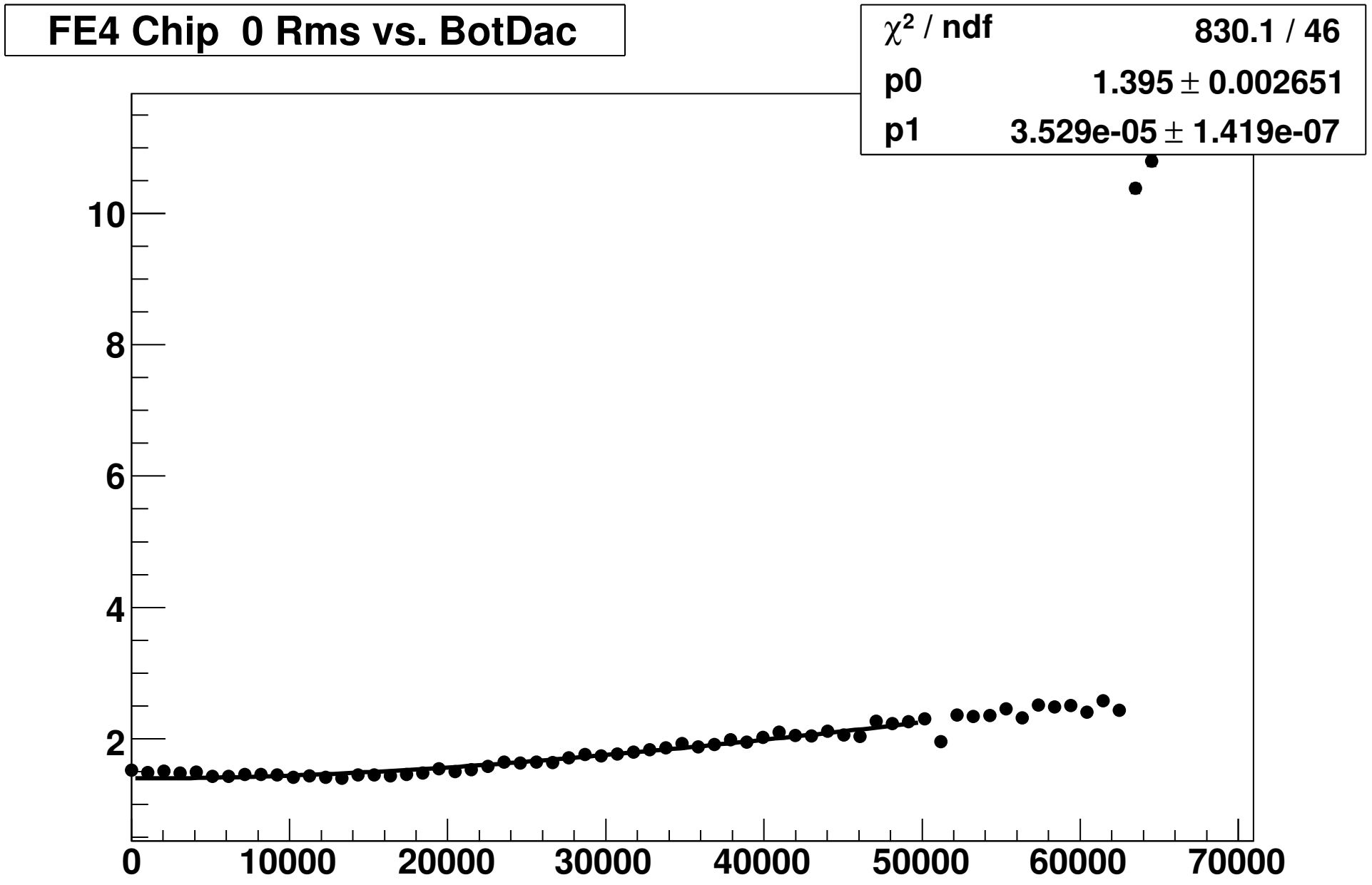
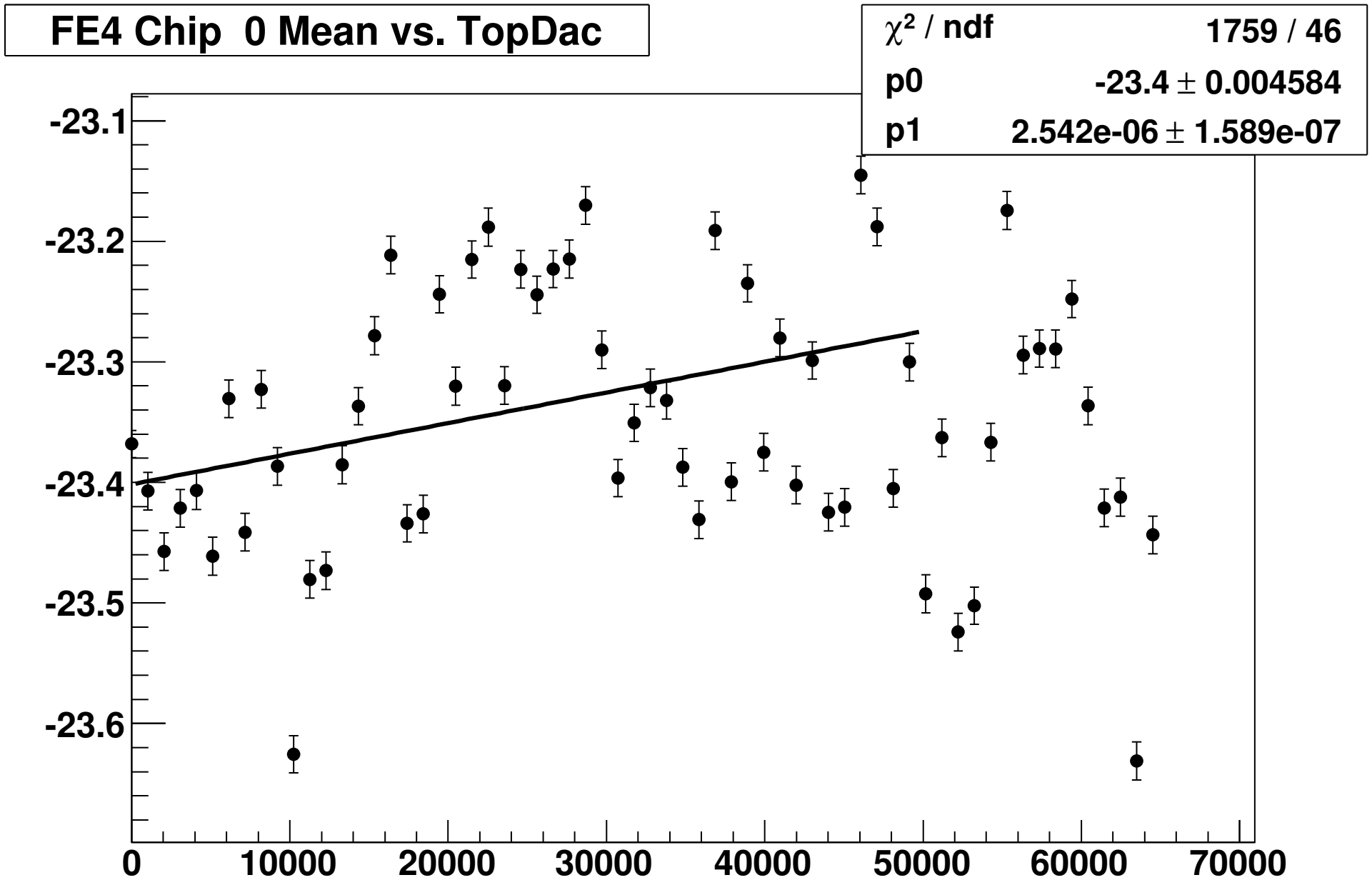
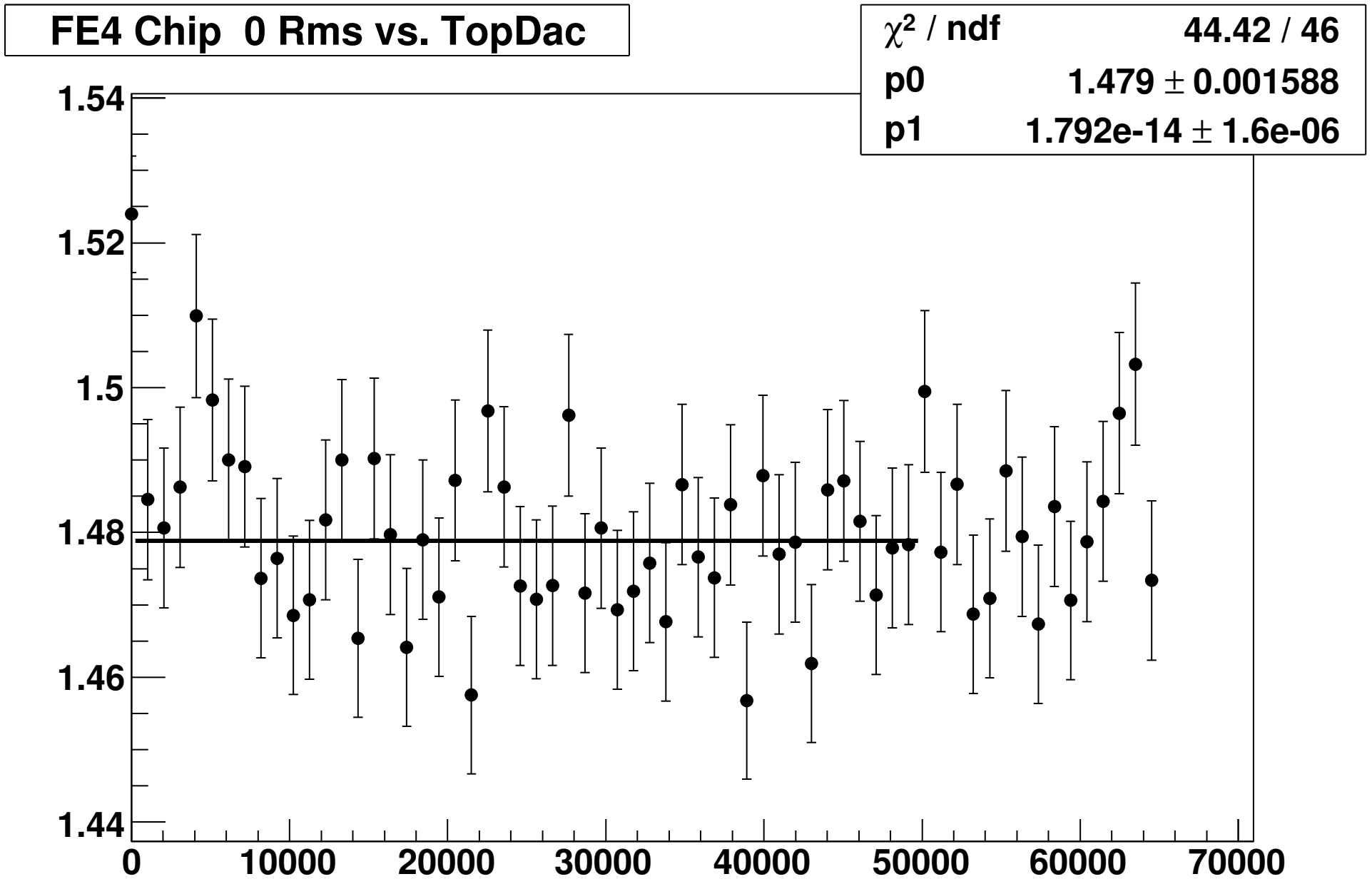
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

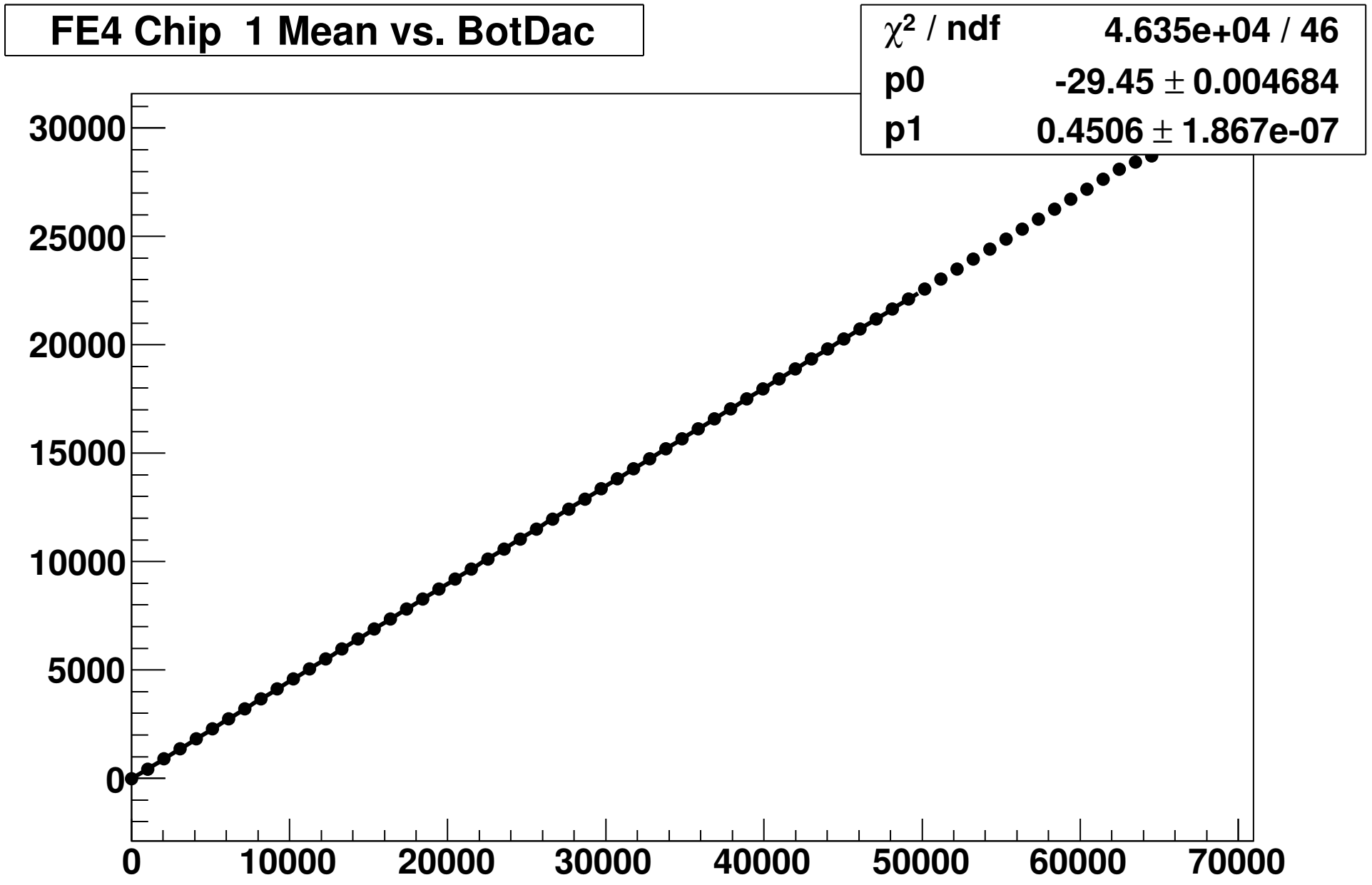

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 1029 / 46
p0 1.392 ± 0.00266
p1 3.588e-05 ± 1.413e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

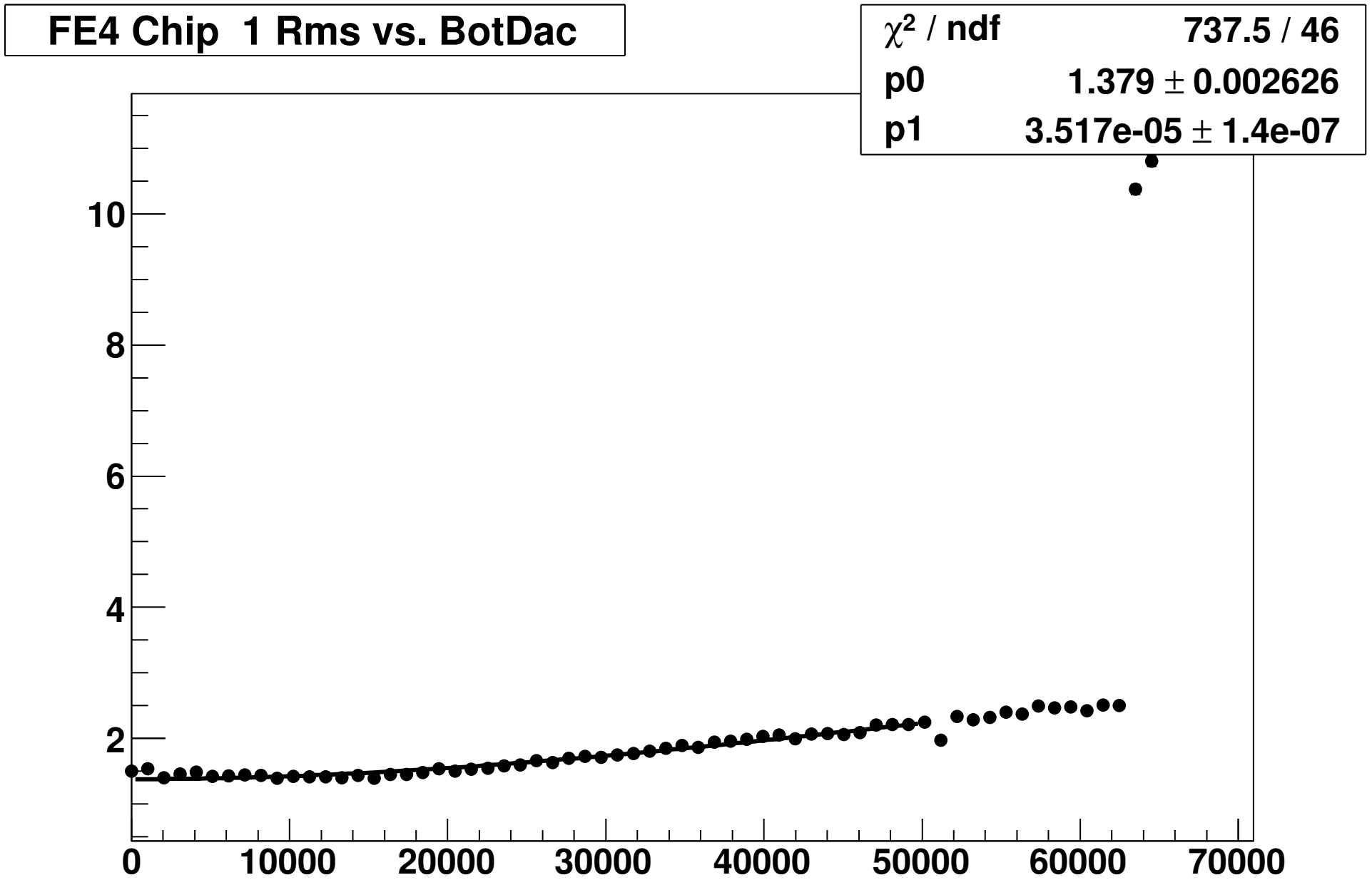

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 7.456e+04 / 46
p0 -25.85 ± 0.004734
p1 0.4505 ± 1.884e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

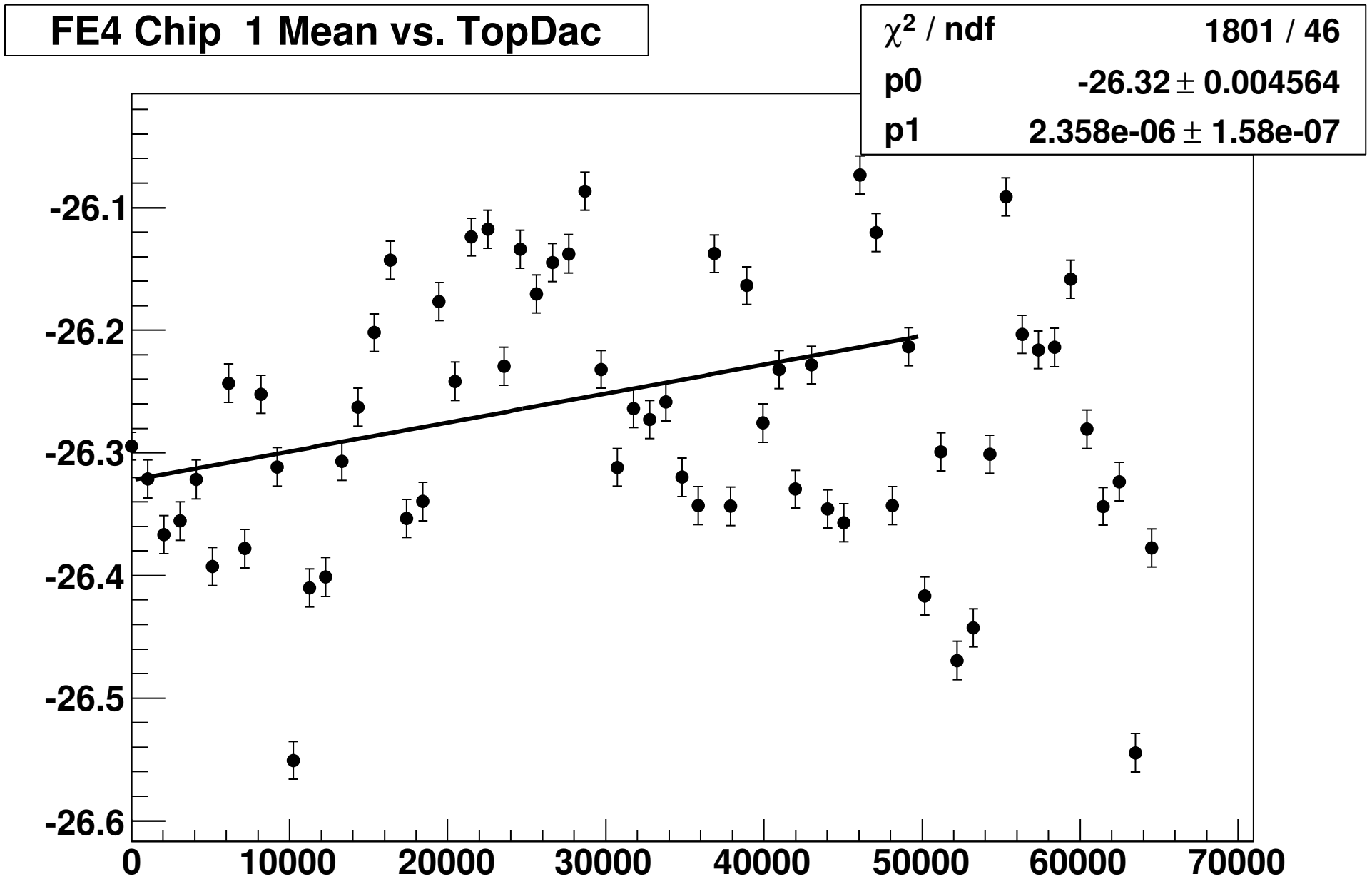

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 830.1 / 46
p0 1.395 ± 0.002651
p1 3.529e-05 ± 1.419e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Mean vs. TopDac
χ² / ndf 1759 / 46
p0 -23.4 ± 0.004584
p1 2.542e-06 ± 1.589e-07
-23.1
-23.2
-23.3
-23.4
-23.5
-23.6
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 0 Rms vs. TopDac
χ² / ndf 44.42 / 46
p0 1.479 ± 0.001588
p1 1.792e-14 ± 1.6e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 4.635e+04 / 46
p0 -29.45 ± 0.004684
p1 0.4506 ± 1.867e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 737.5 / 46
p0 1.379 ± 0.002626
p1 3.517e-05 ± 1.4e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 1801 / 46
p0 -26.32 ± 0.004564
p1 2.358e-06 ± 1.58e-07
-26.1
-26.2
-26.3
-26.4
-26.5
-26.6
0
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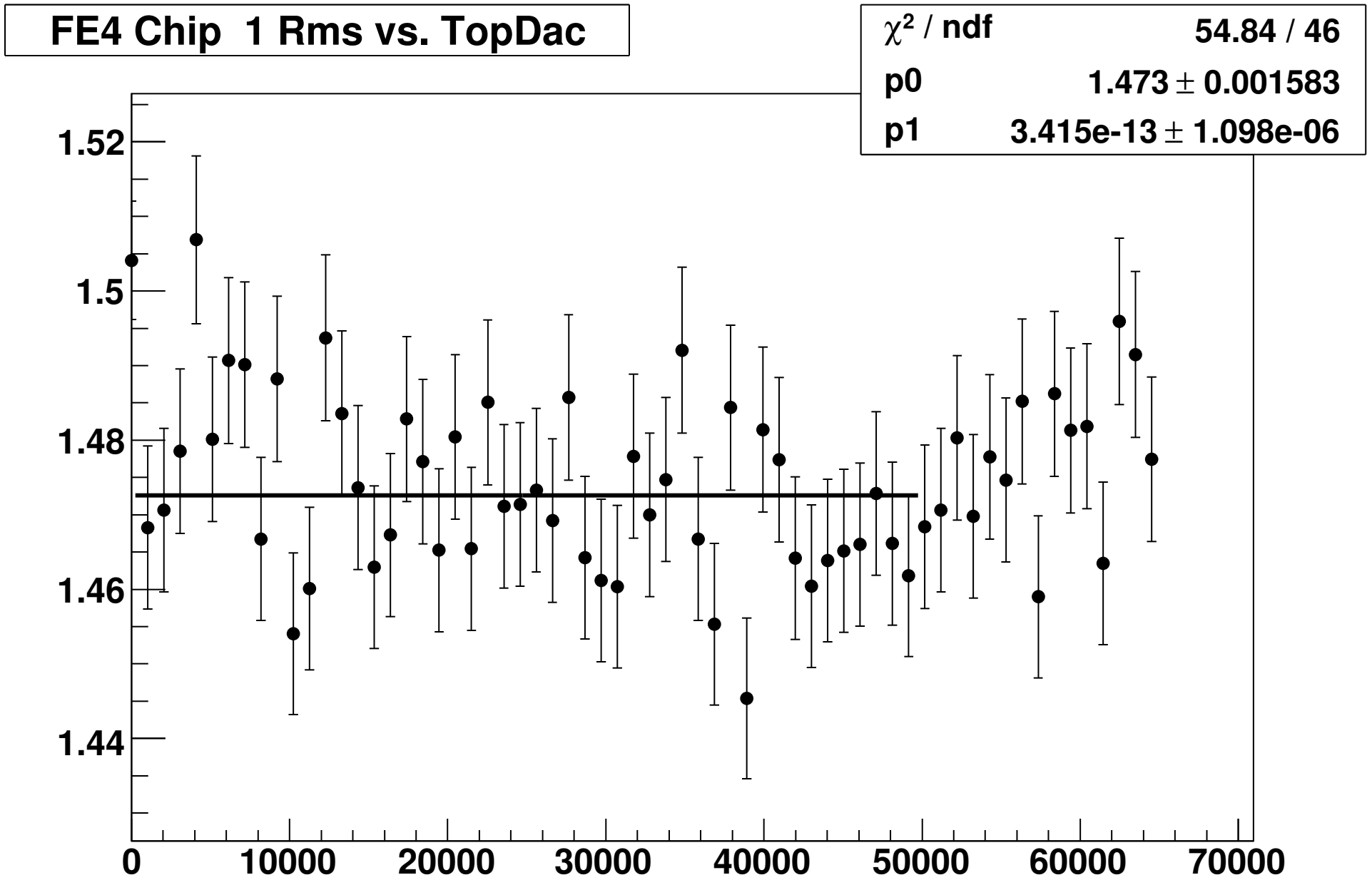
FE4 Chip 1 Rms vs. TopDac
χ² / ndf 54.84 / 46
p0 1.473 ± 0.001583
p1 3.415e-13 ± 1.098e-06
1.52
1.5
1.48
1.46
1.44
0
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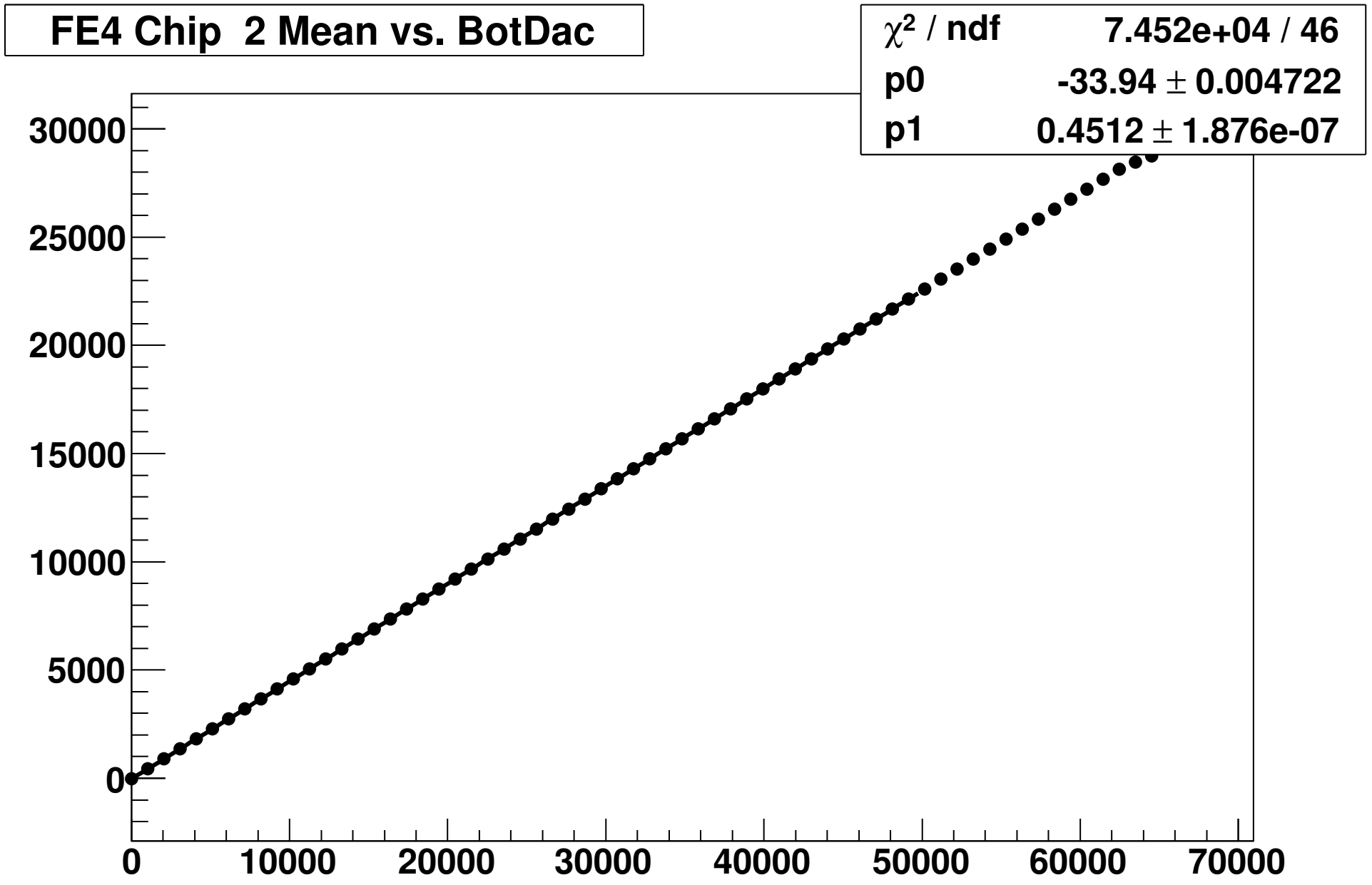
FE4 Chip 2 Mean vs. BotDac
χ² / ndf 7.452e+04 / 46
p0 -33.94 ± 0.004722
p1 0.4512 ± 1.876e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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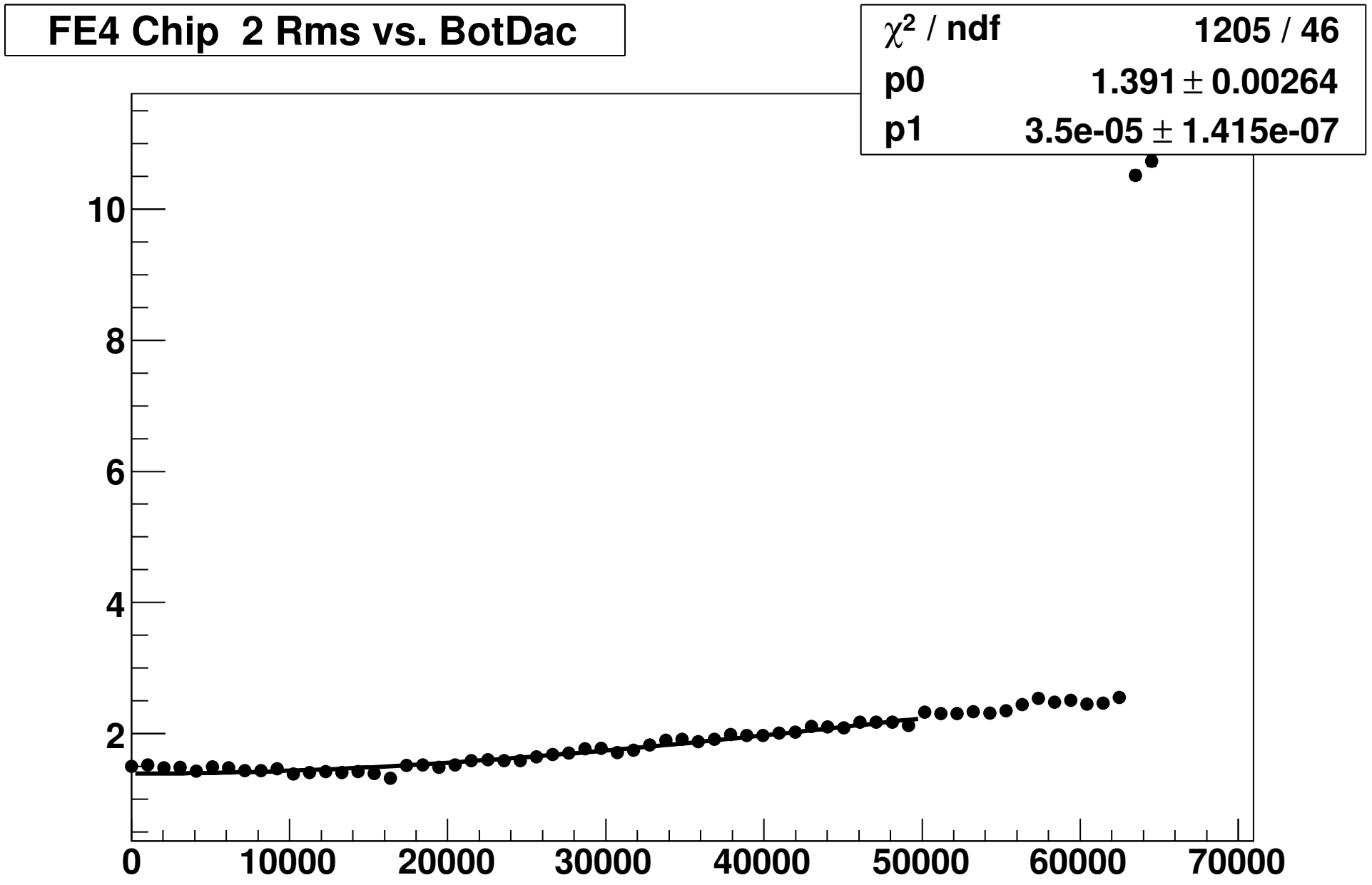
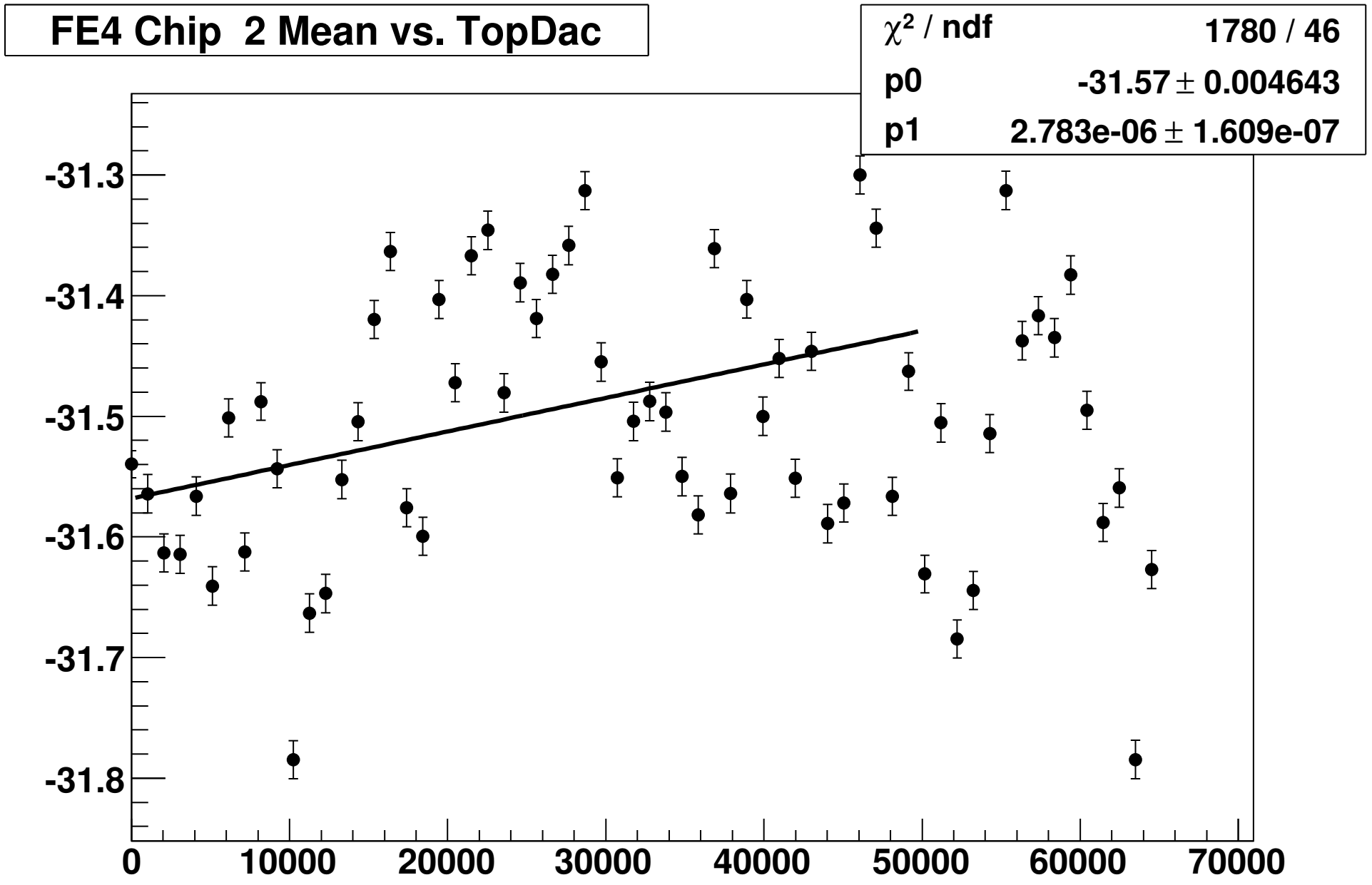
60000
70000


FE4 Chip 2 Rms vs. BotDac
χ² / ndf 1205 / 46
p0 1.391 ± 0.00264
p1 3.5e-05 ± 1.415e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 1780 / 46
p0 -31.57 ± 0.004643
p1 2.783e-06 ± 1.609e-07
-31.3
-31.4
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-31.6
-31.7
-31.8
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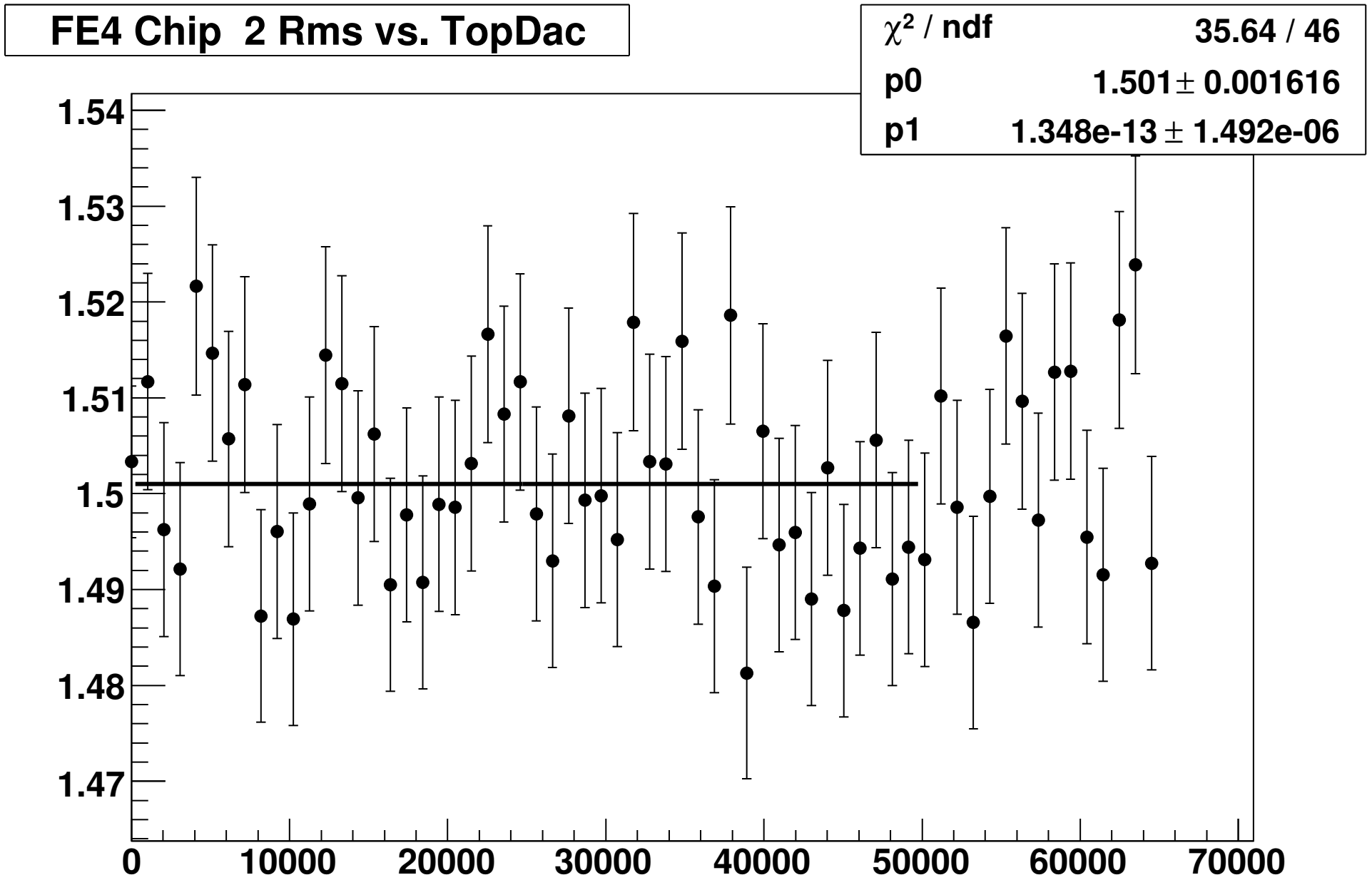
FE4 Chip 2 Rms vs. TopDac
χ² / ndf 35.64 / 46
p0 1.501 ± 0.001616
p1 1.348e-13 ± 1.492e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
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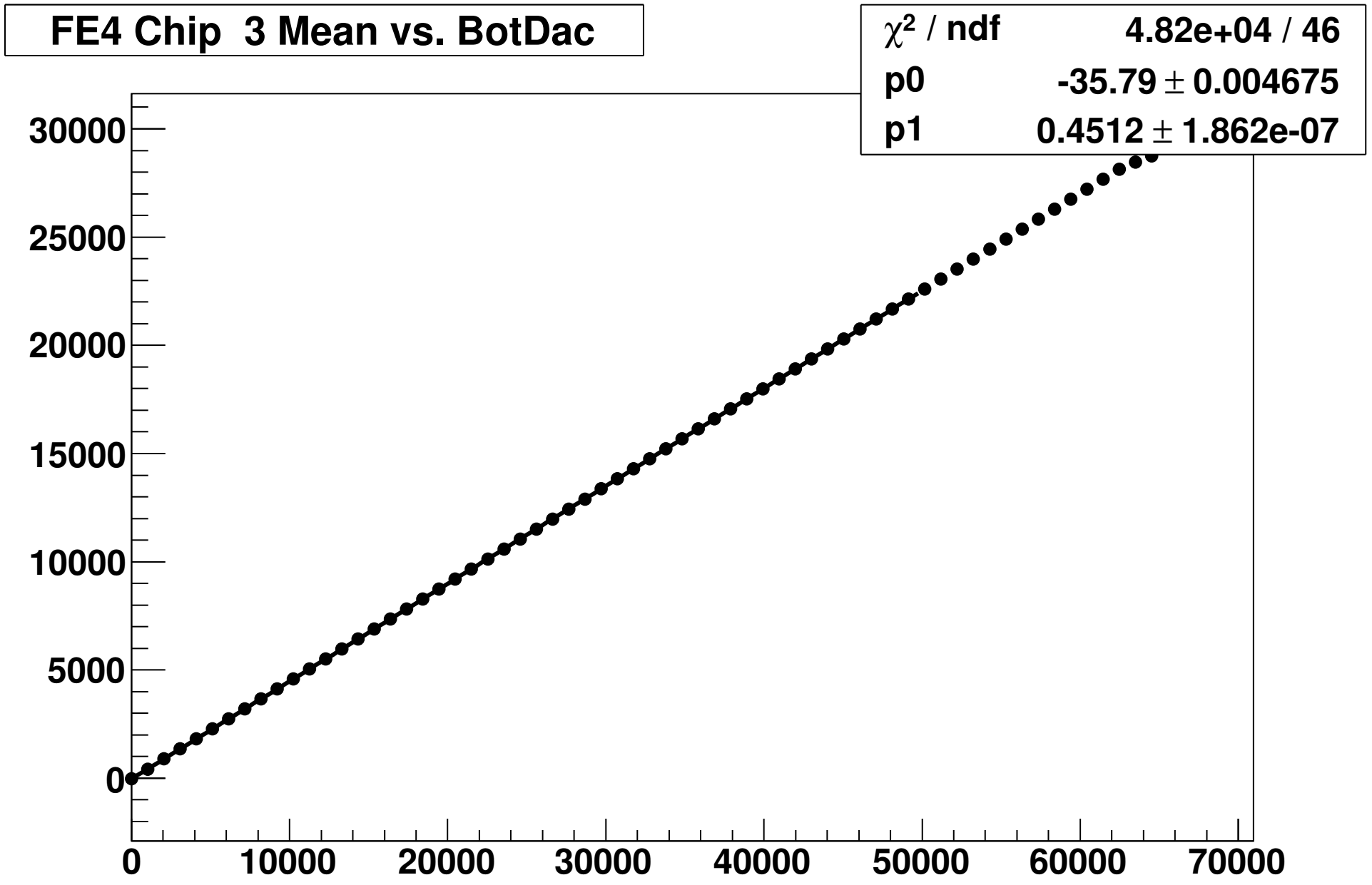
FE4 Chip 3 Mean vs. BotDac
χ² / ndf 4.82e+04 / 46
p0 -35.79 ± 0.004675
p1 0.4512 ± 1.862e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
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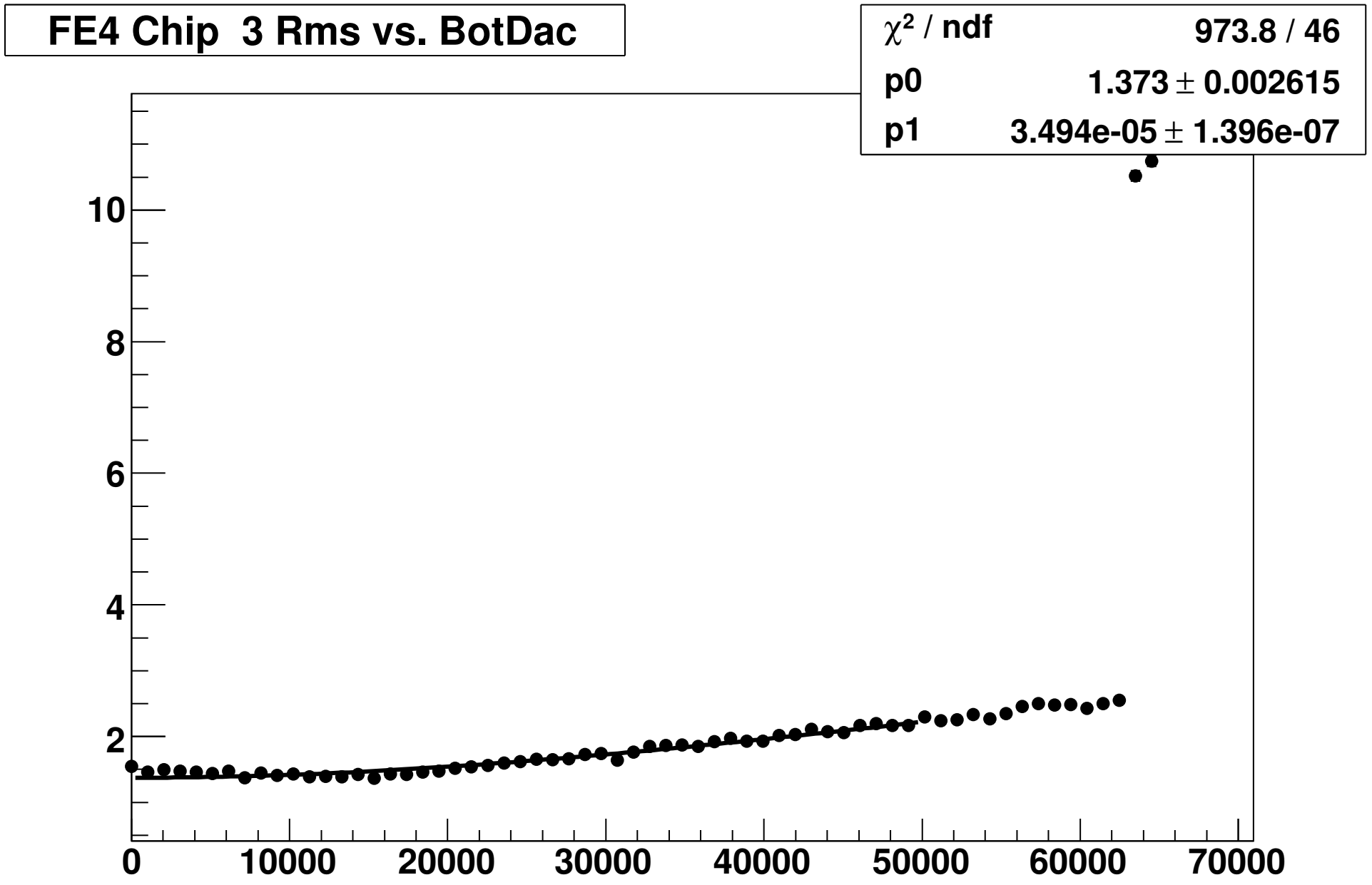
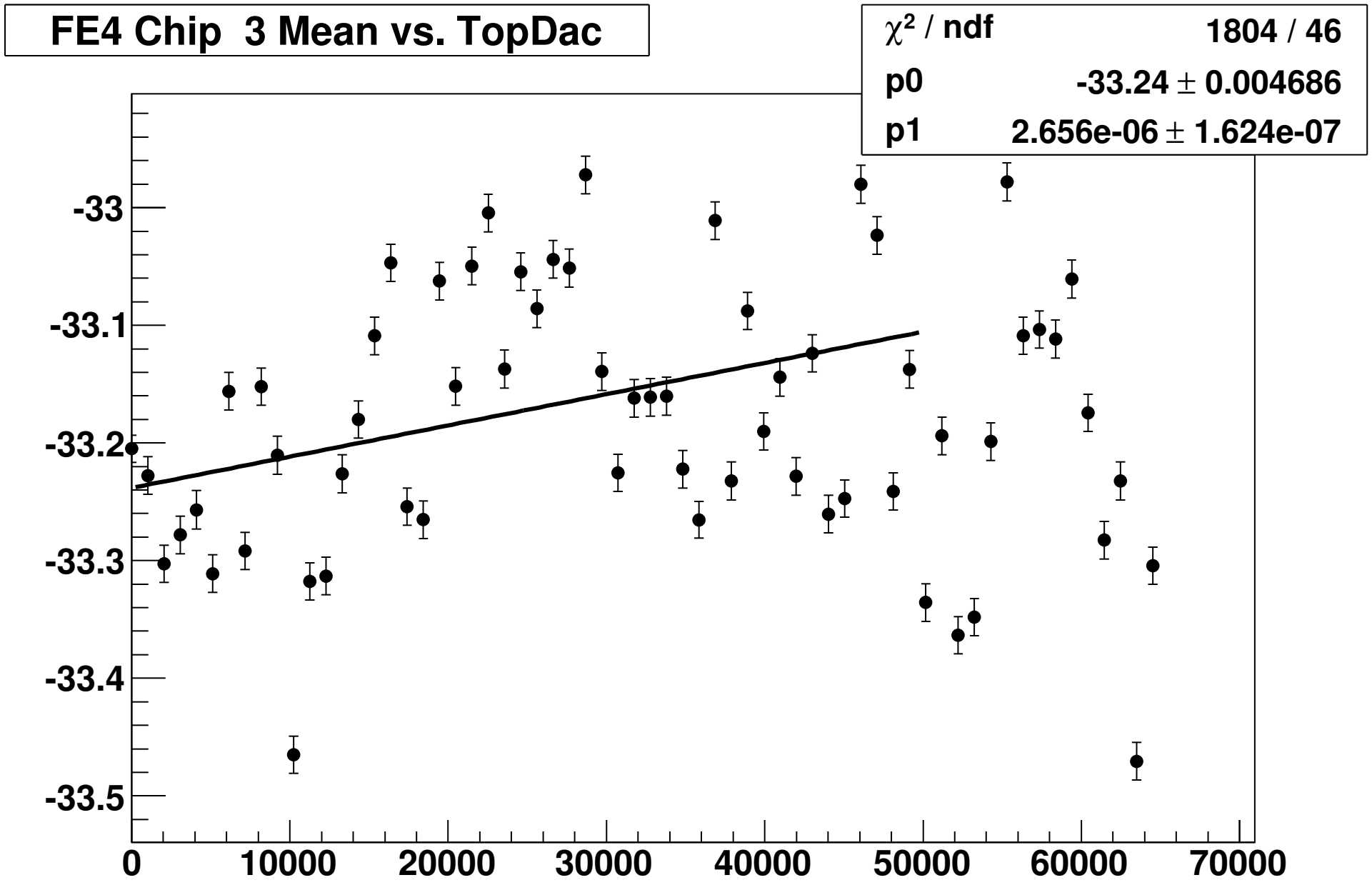
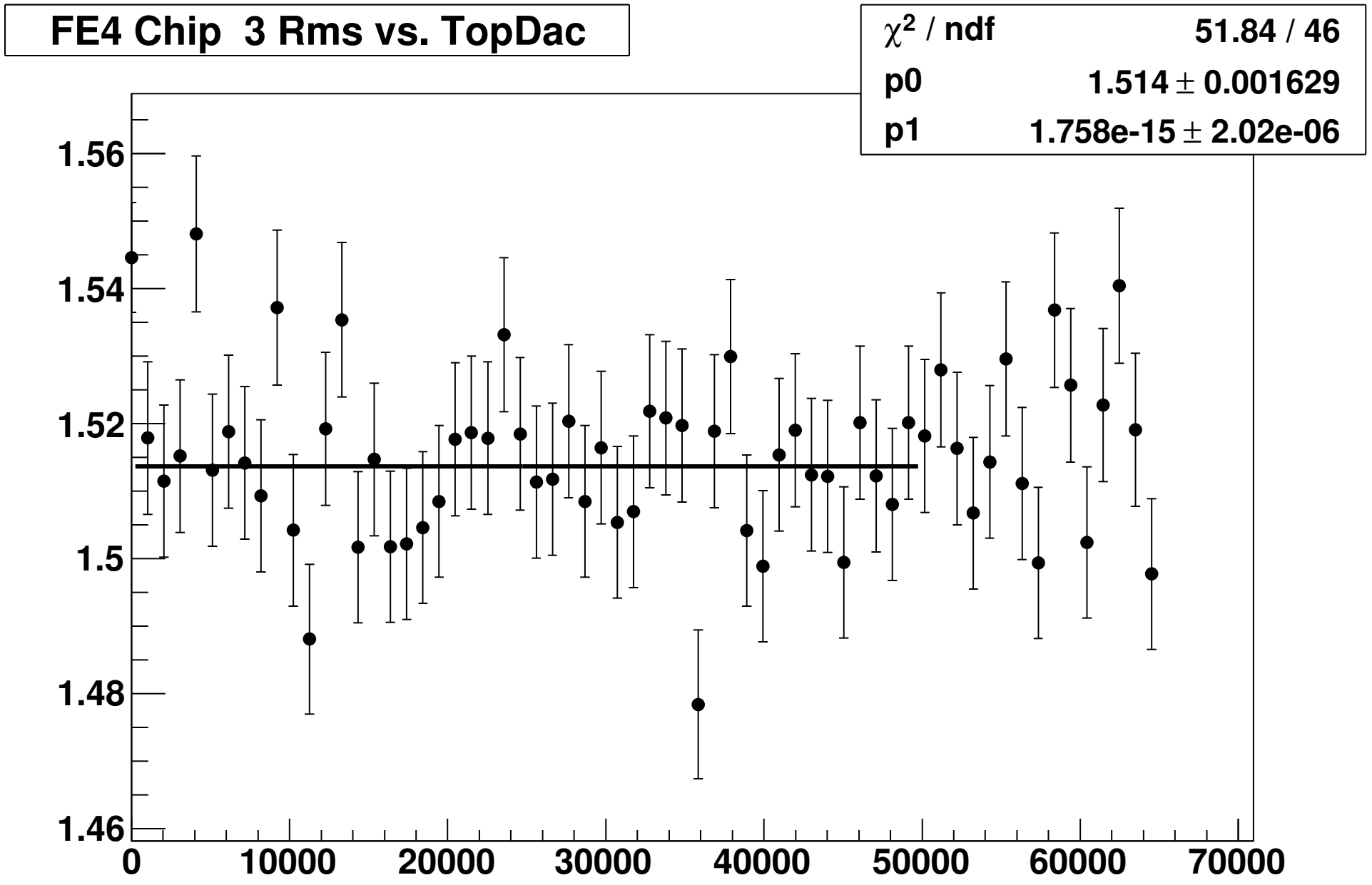

FE4 Chip 3 Rms vs. BotDac
χ² / ndf 973.8 / 46
p0 1.373 ± 0.002615
p1 3.494e-05 ± 1.396e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 1804 / 46
p0 -33.24 ± 0.004686
p1 2.656e-06 ± 1.624e-07
-33
-33.1
-33.2
-33.3
-33.4
-33.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 51.84 / 46
p0 1.514 ± 0.001629
p1 1.758e-15 ± 2.02e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
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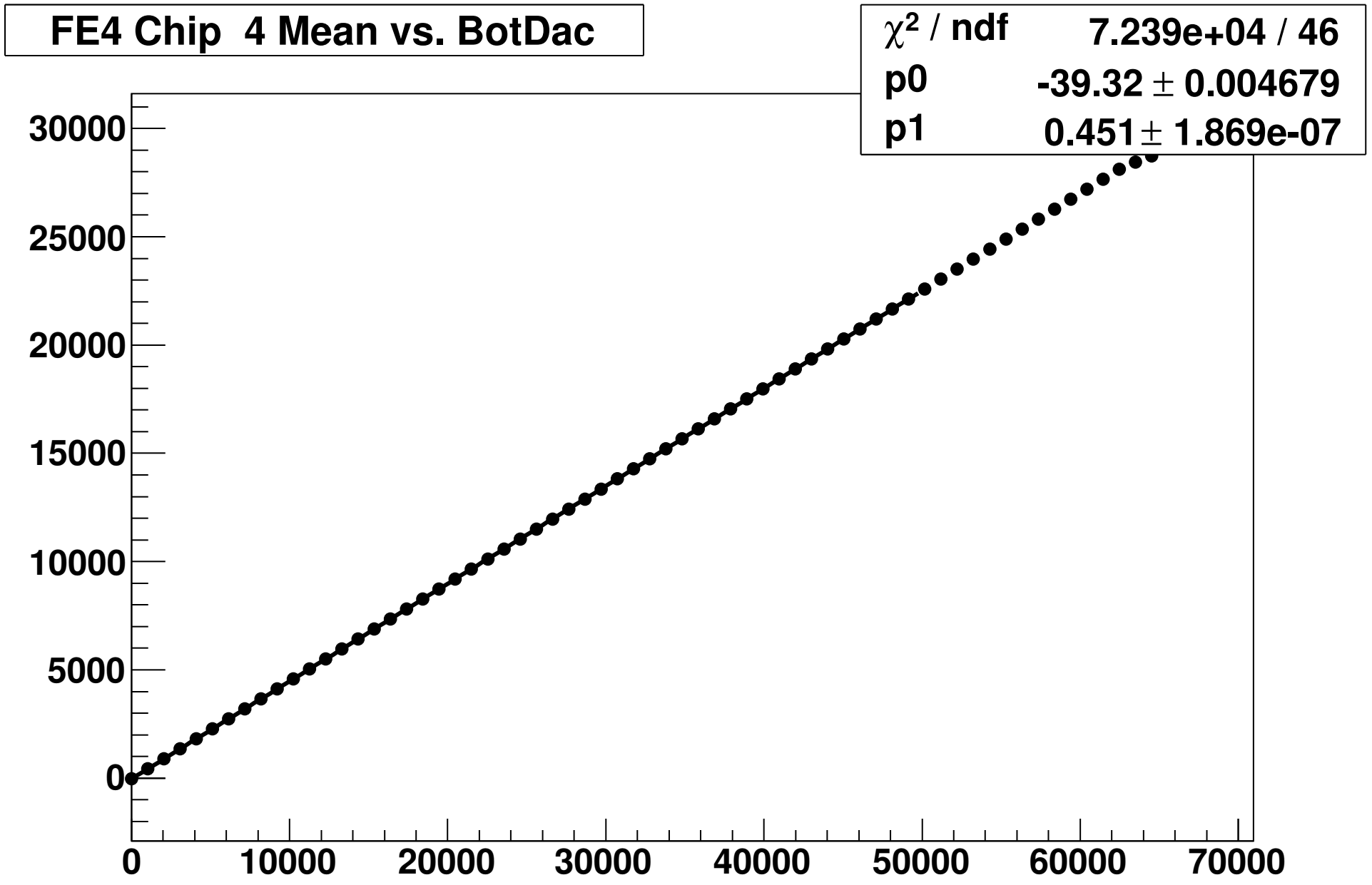
FE4 Chip 4 Mean vs. BotDac
χ² / ndf 7.239e+04 / 46
p0 -39.32 ± 0.004679
p1 0.451 ± 1.869e-07
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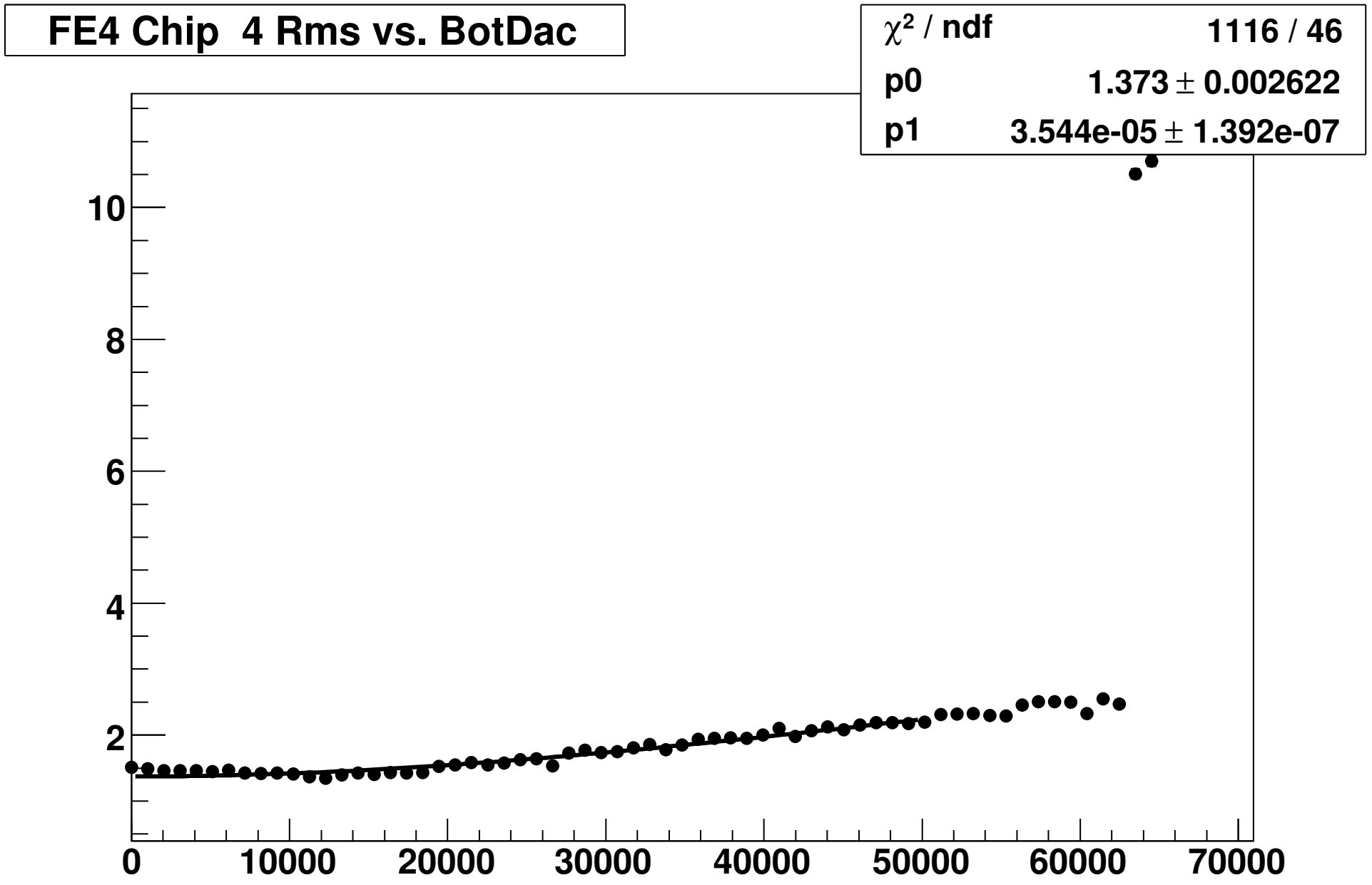
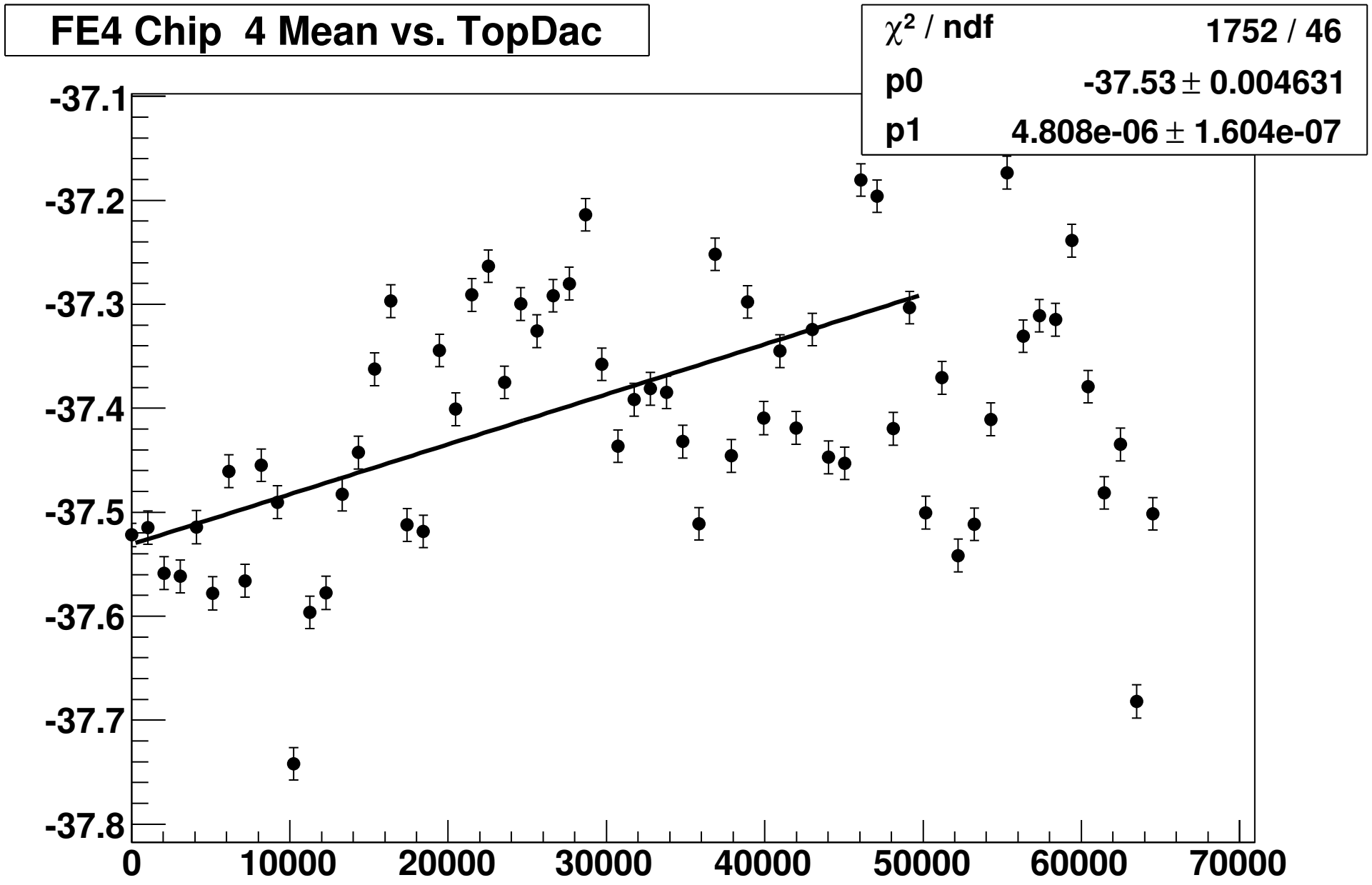
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 1116 / 46
p0 1.373 ± 0.002622
p1 3.544e-05 ± 1.392e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 4 Mean vs. TopDac
χ² / ndf 1752 / 46
p0 -37.53 ± 0.004631
p1 4.808e-06 ± 1.604e-07
-37.1
-37.2
-37.3
-37.4
-37.5
-37.6
-37.7
-37.8
0
10000
20000
30000
40000
50000
60000
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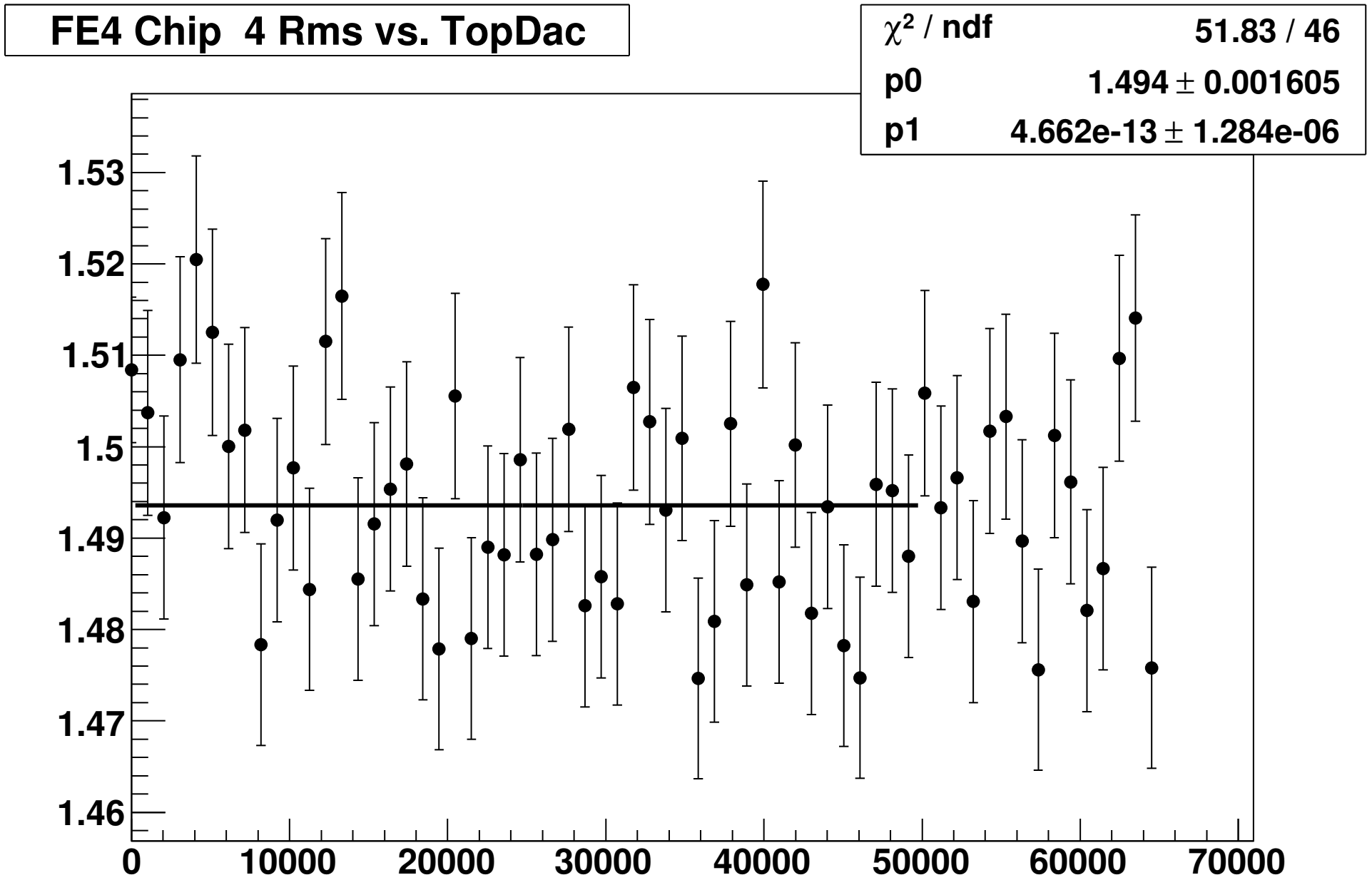
FE4 Chip 4 Rms vs. TopDac
χ² / ndf 51.83 / 46
p0 1.494 ± 0.001605
p1 4.662e-13 ± 1.284e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
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60000
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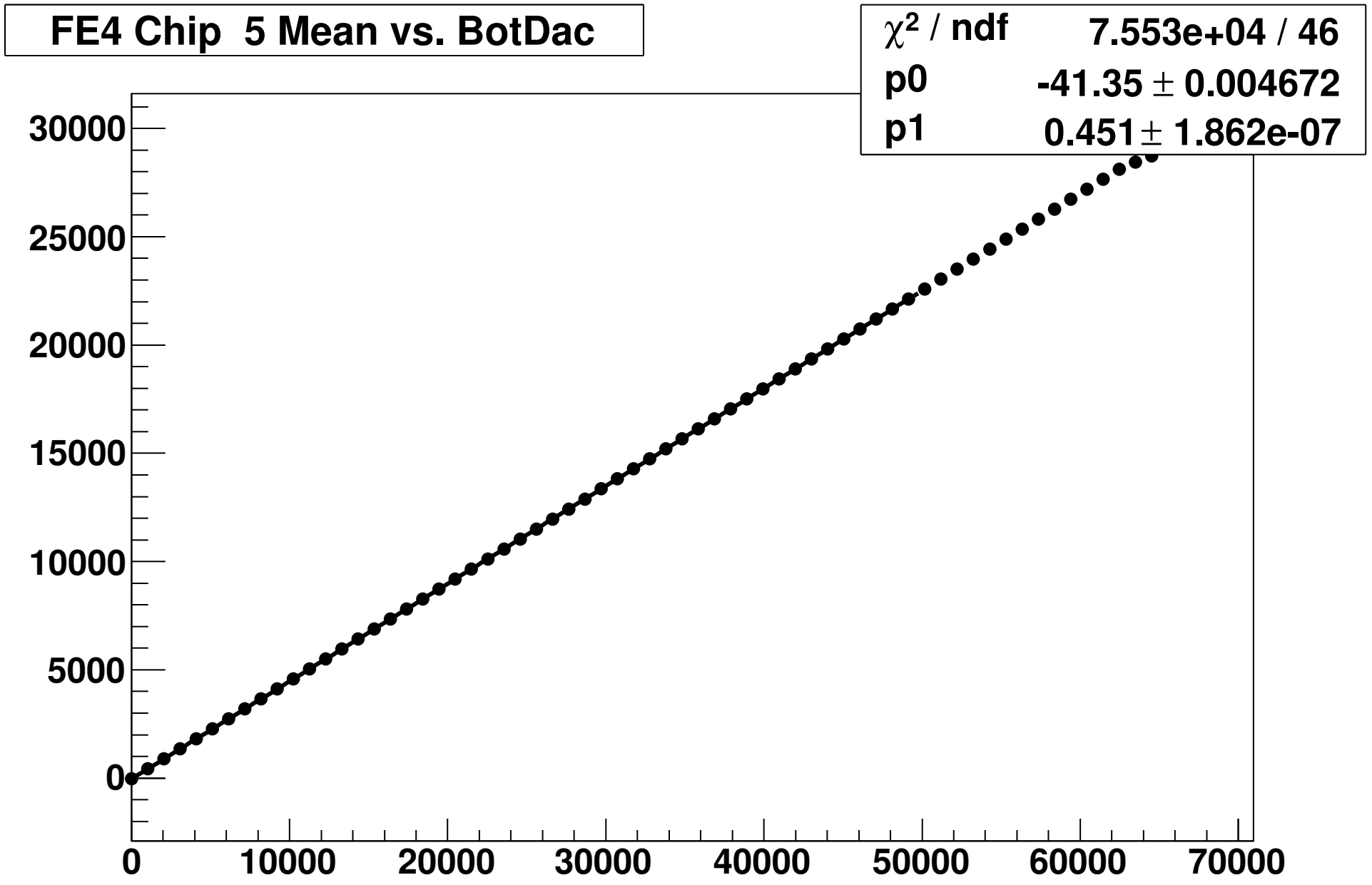
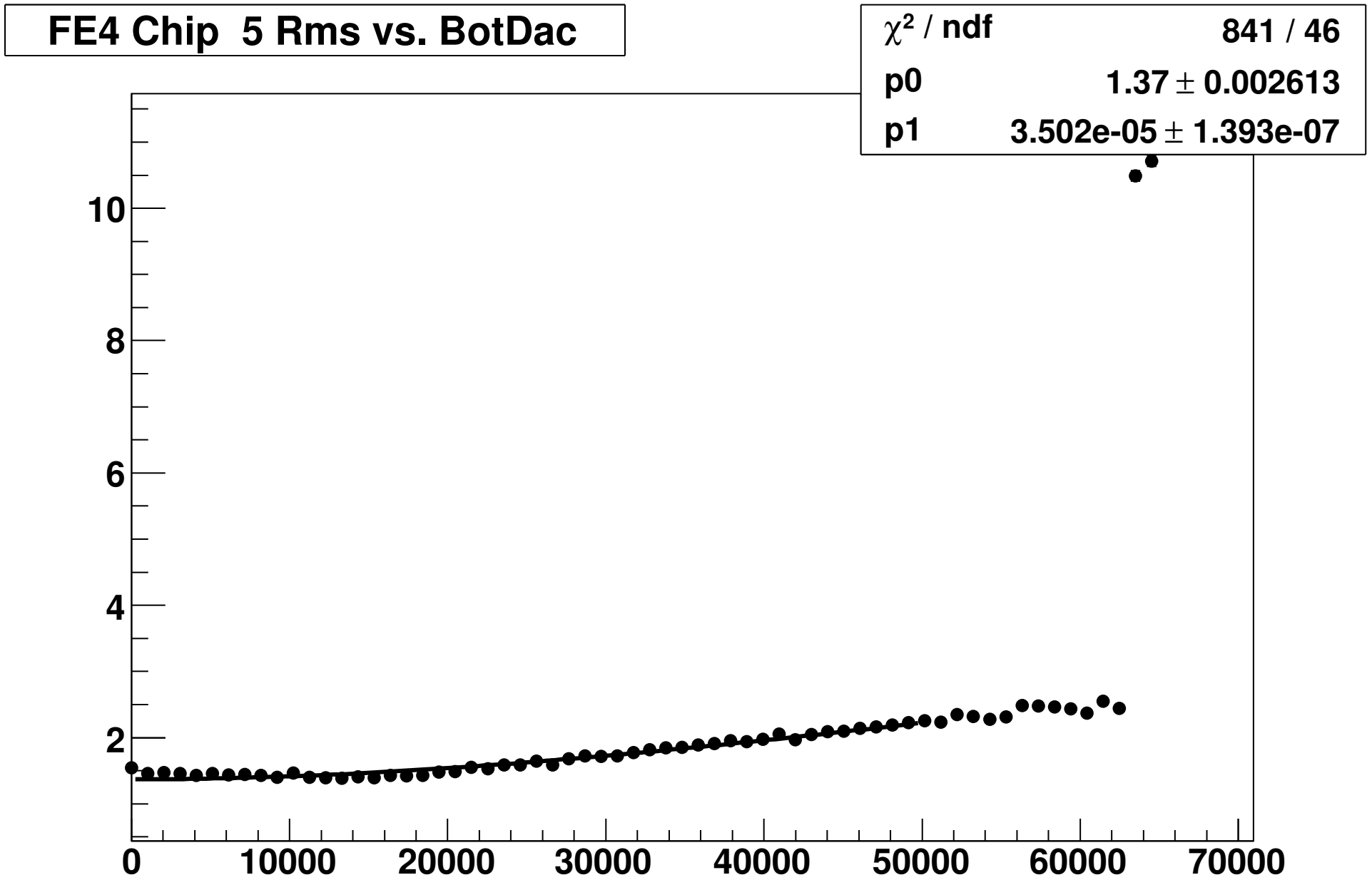
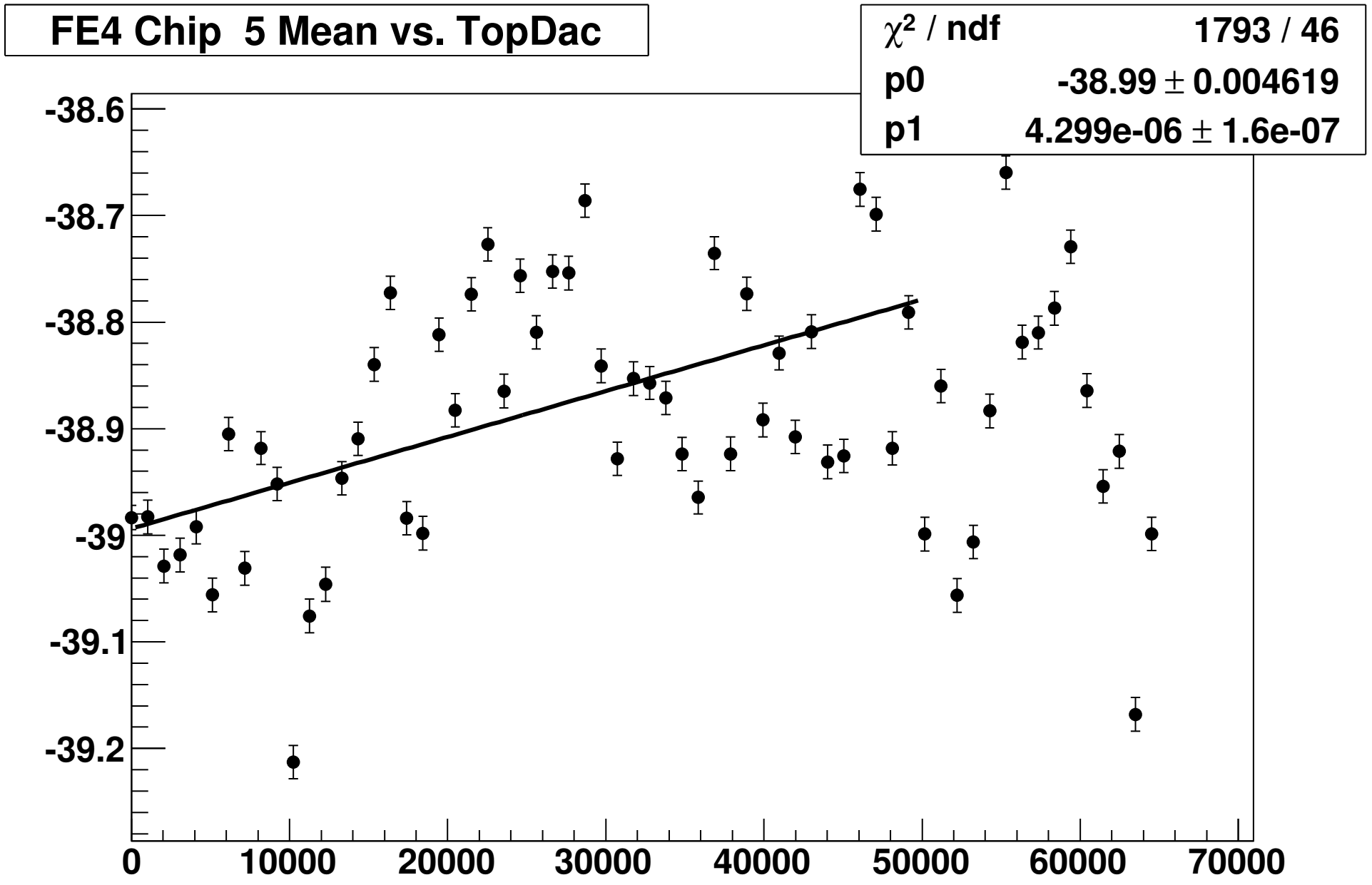

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 7.553e+04 / 46
p0 -41.35 ± 0.004672
p1 0.451 ± 1.862e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Rms vs. BotDac
χ² / ndf 841 / 46
p0 1.37 ± 0.002613
p1 3.502e-05 ± 1.393e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 1793 / 46
p0 -38.99 ± 0.004619
p1 4.299e-06 ± 1.6e-07
-38.6
-38.7
-38.8
-38.9
-39
-39.1
-39.2
0
10000
20000
30000
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50000
60000
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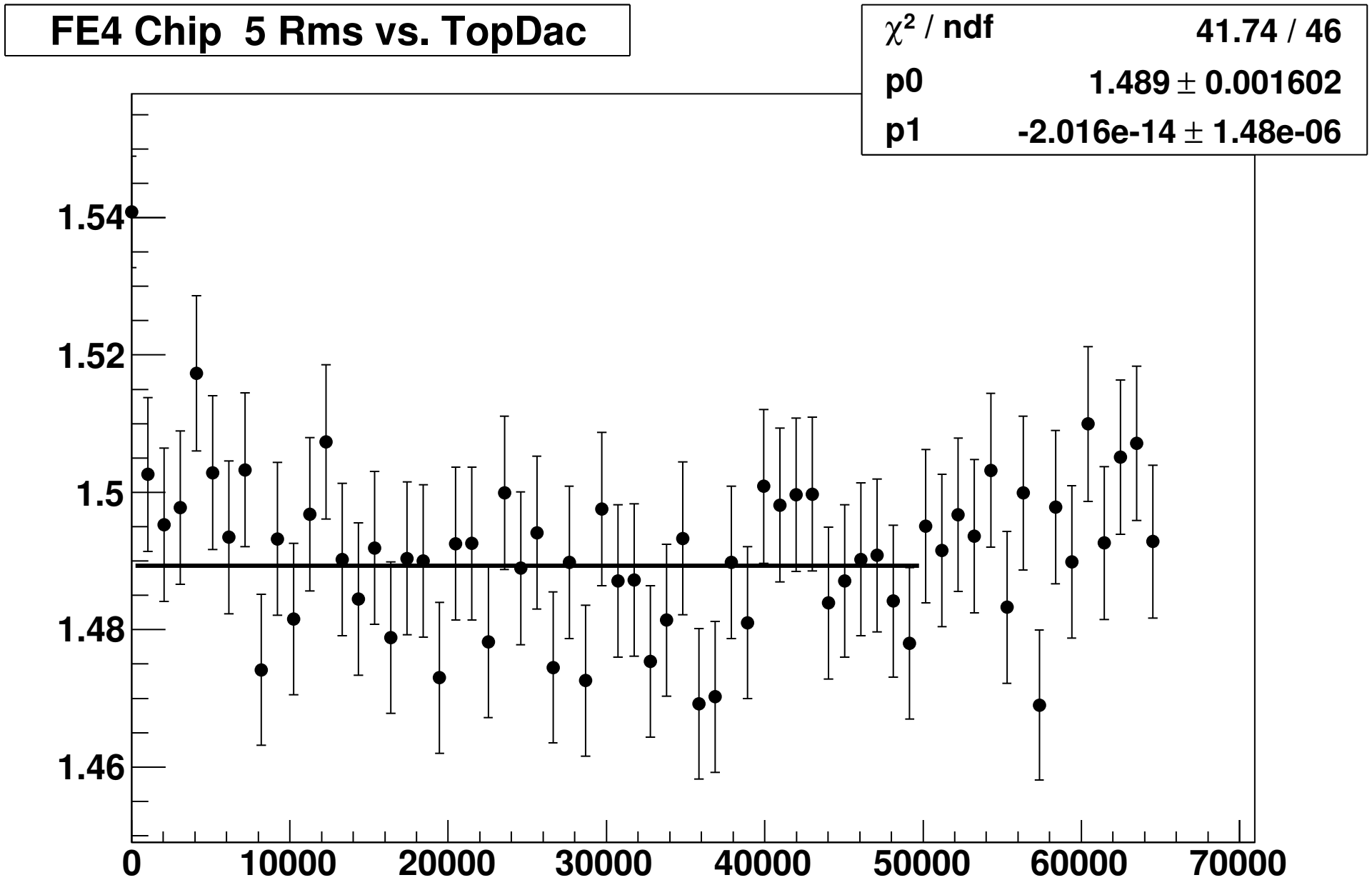
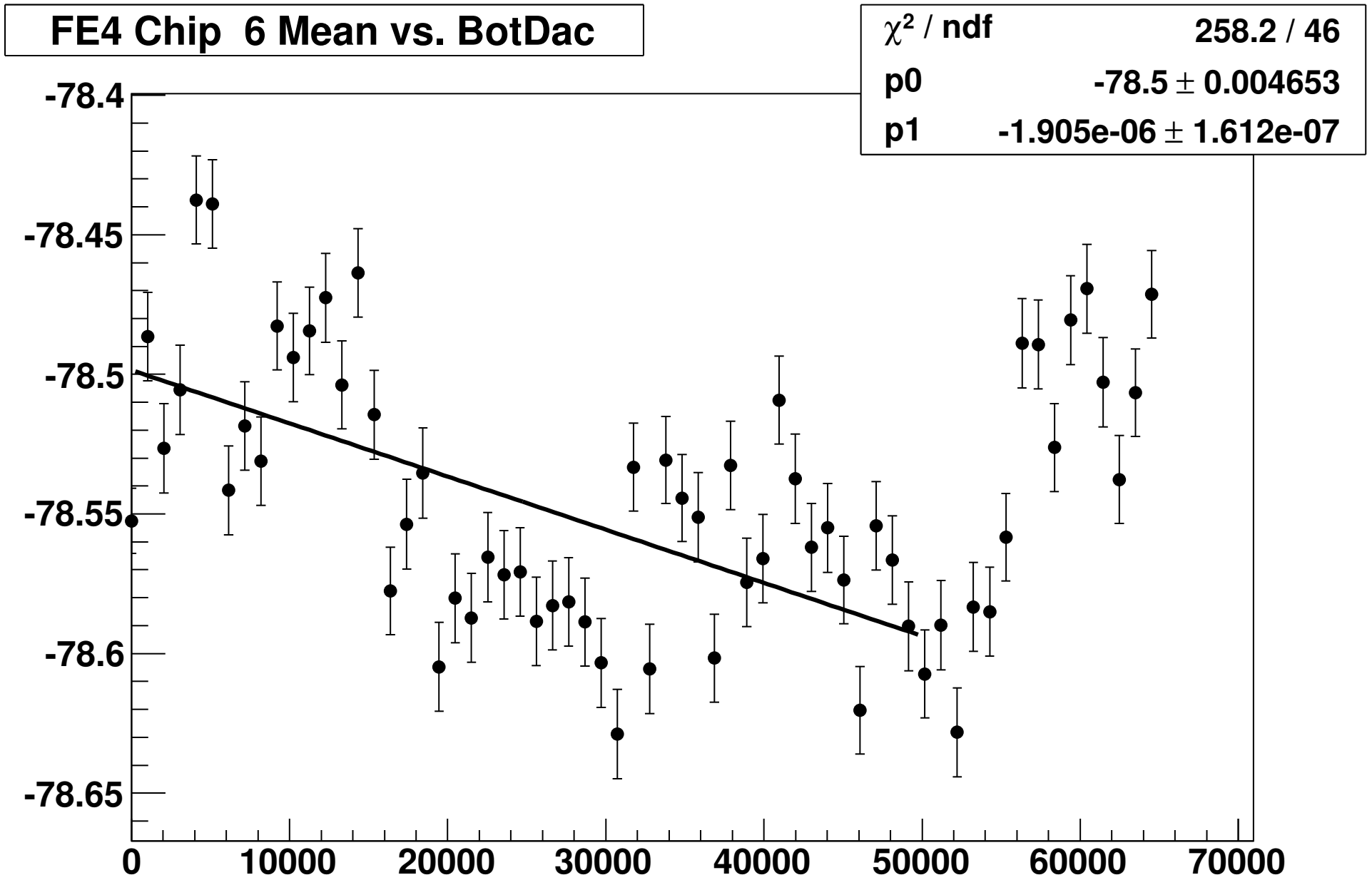

FE4 Chip 5 Rms vs. TopDac
χ² / ndf 41.74 / 46
p0 1.489 ± 0.001602
p1 -2.016e-14 ± 1.48e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 6 Mean vs. BotDac
χ² / ndf 258.2 / 46
p0 -78.5 ± 0.004653
p1 -1.905e-06 ± 1.612e-07
-78.4
-78.45
-78.5
-78.55
-78.6
-78.65
0
10000
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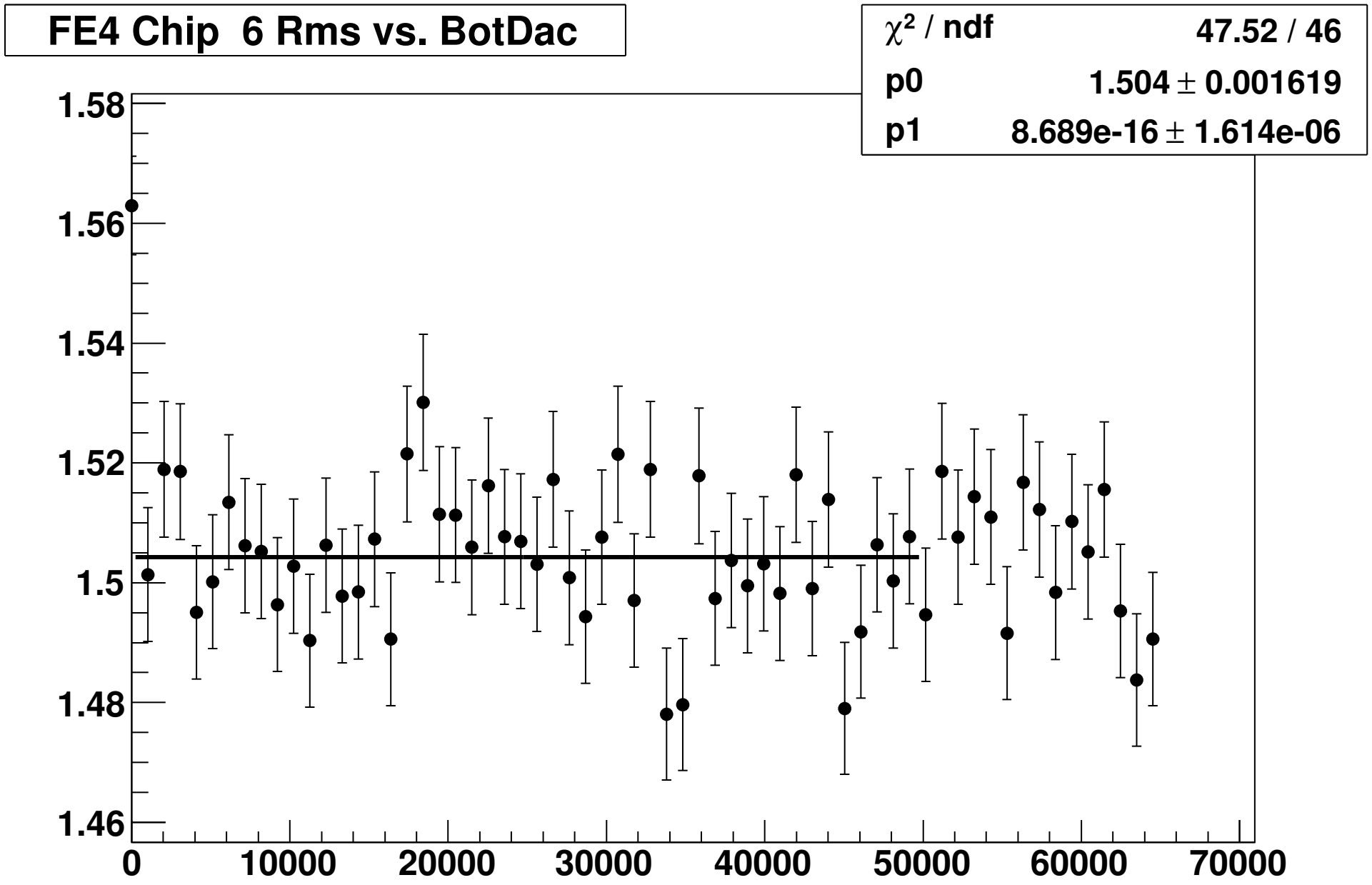
30000
40000
50000
60000
70000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 47.52 / 46
p0 1.504 ± 0.001619
p1 8.689e-16 ± 1.614e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
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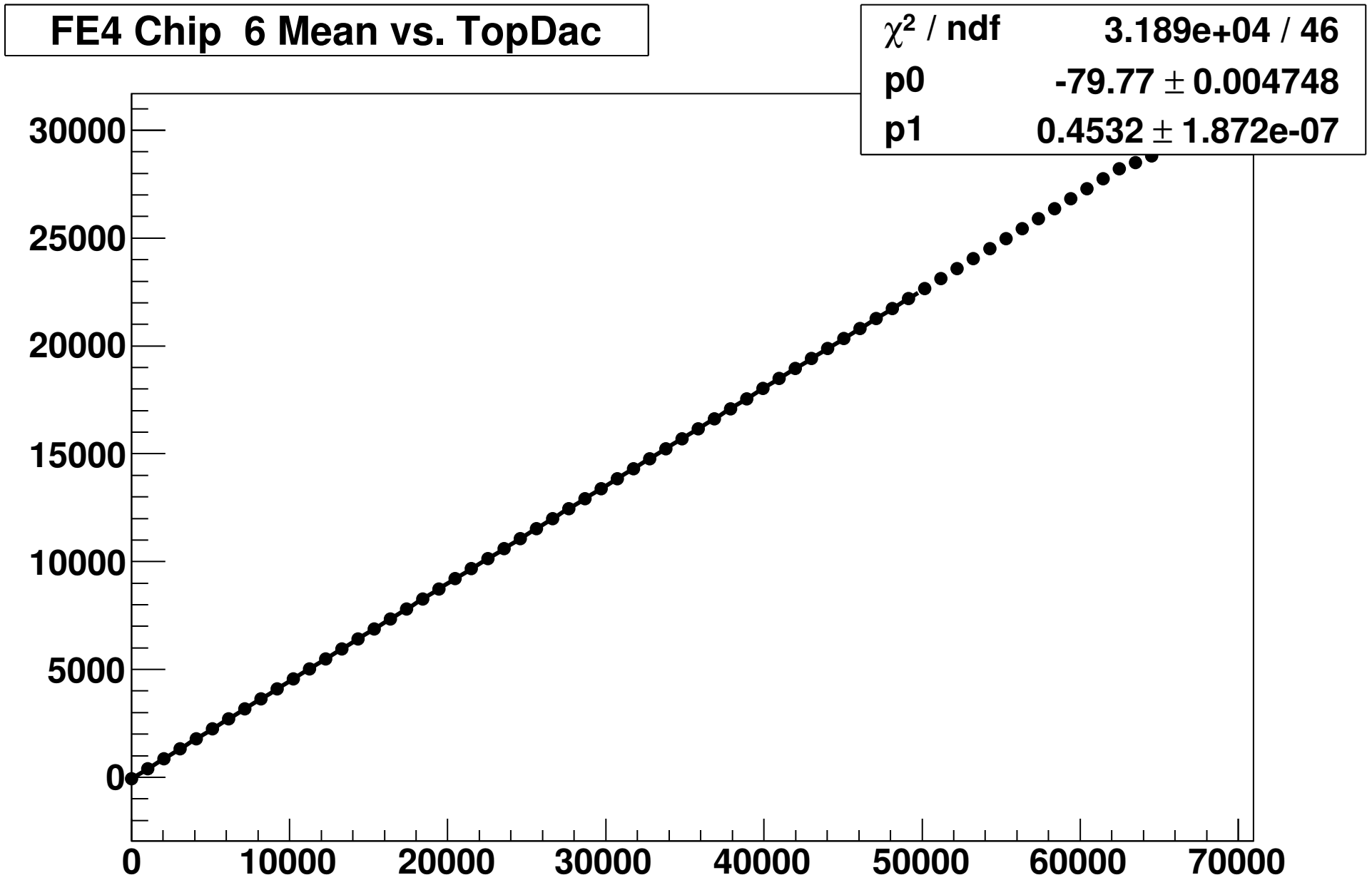
FE4 Chip 6 Mean vs. TopDac
χ² / ndf 3.189e+04 / 46
p0 -79.77 ± 0.004748
p1 0.4532 ± 1.872e-07
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25000
20000
15000
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0
10000
20000
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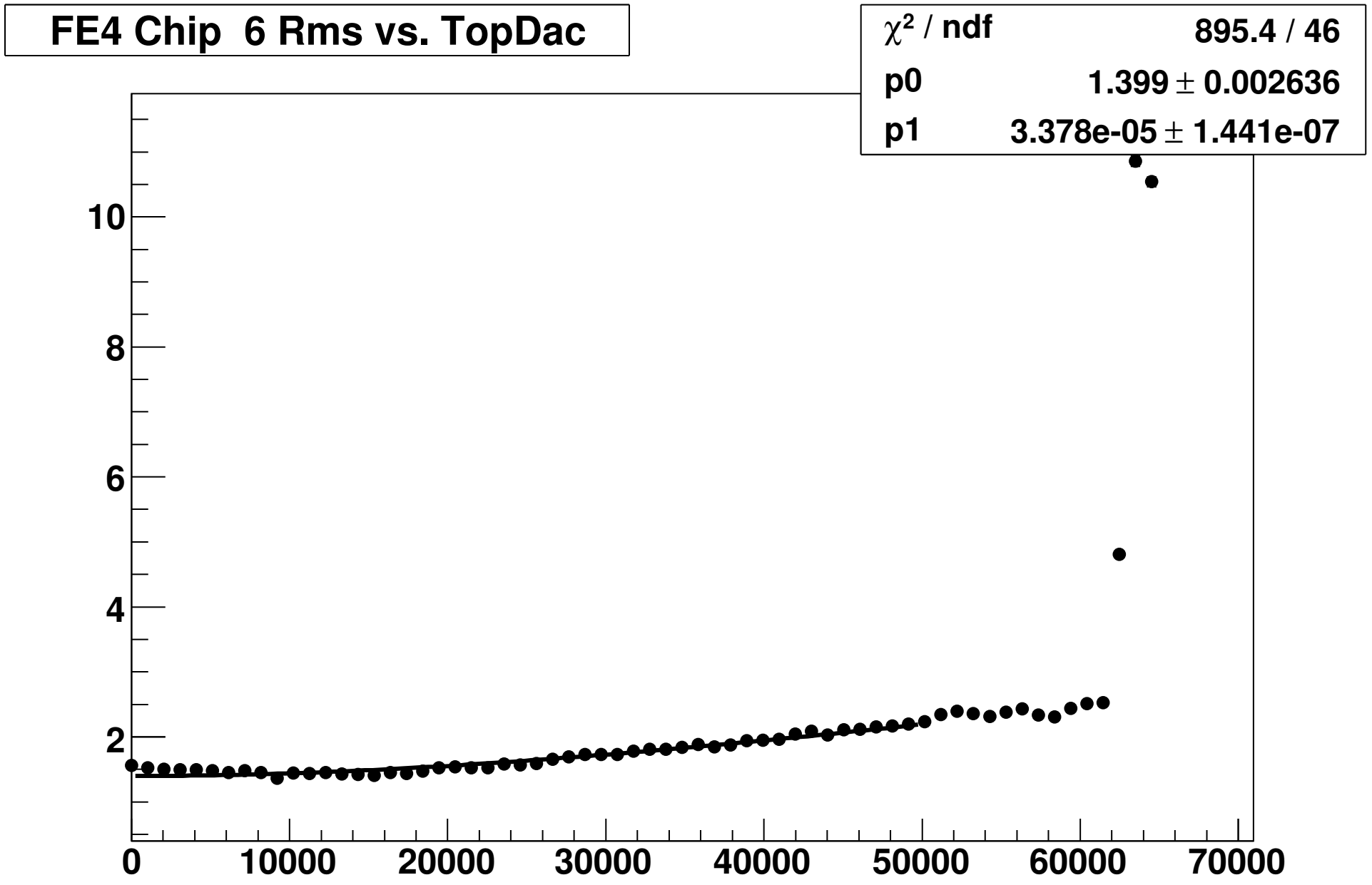
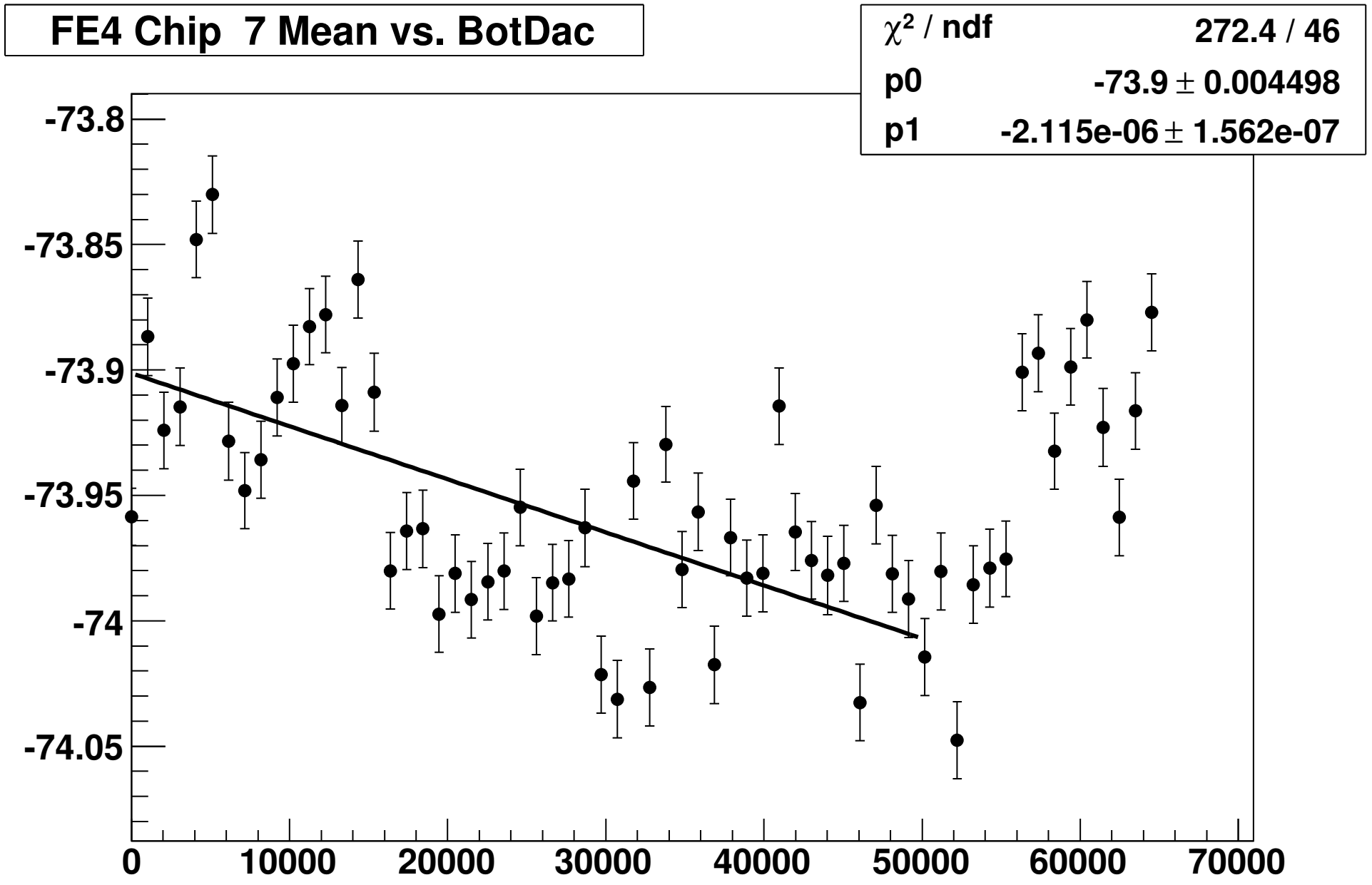

FE4 Chip 6 Rms vs. TopDac
χ² / ndf 895.4 / 46
p0 1.399 ± 0.002636
p1 3.378e-05 ± 1.441e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 272.4 / 46
p0 -73.9 ± 0.004498
p1 -2.115e-06 ± 1.562e-07
-73.8
-73.85
-73.9
-73.95
-74
-74.05
0
10000
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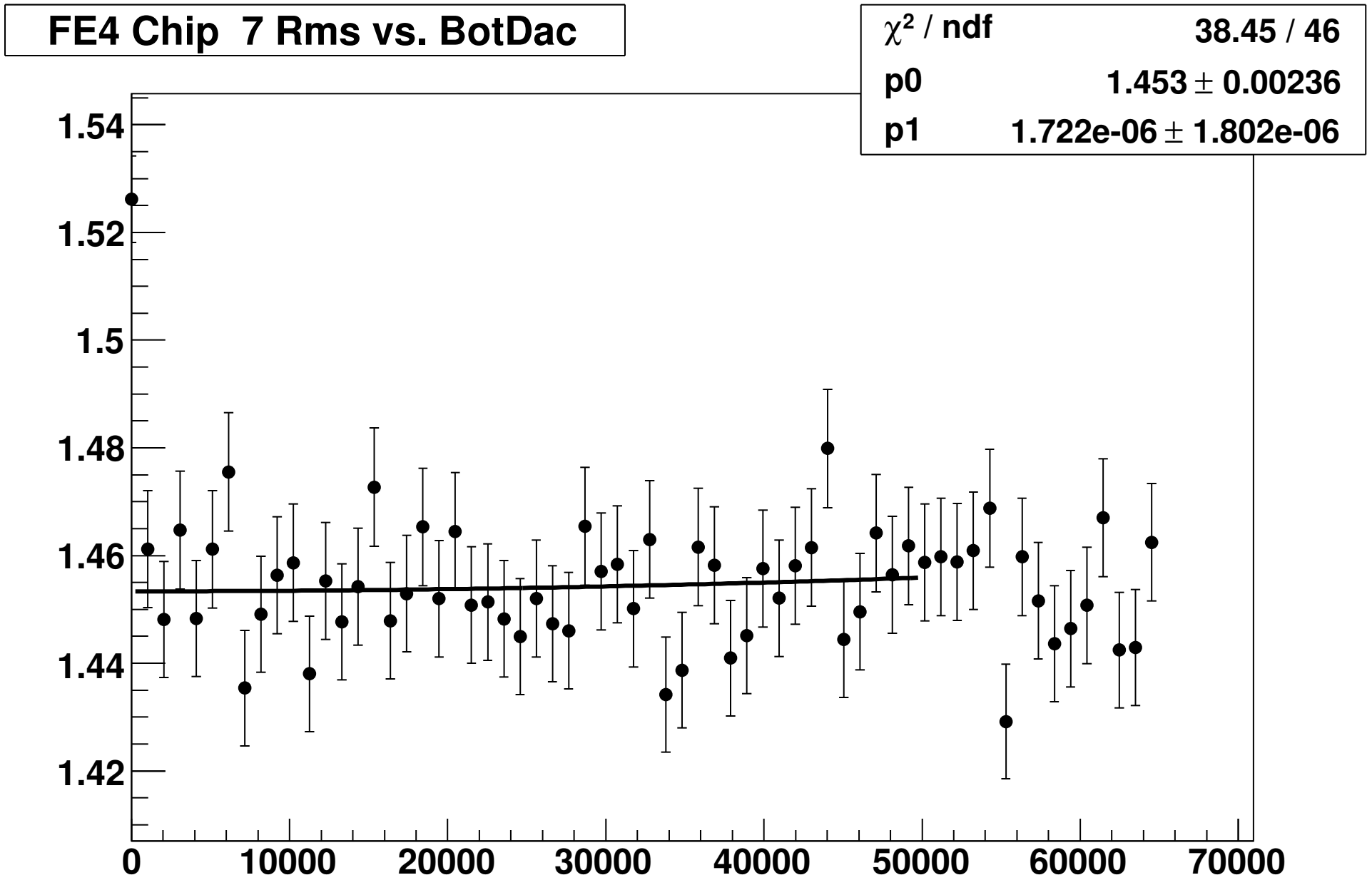
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 38.45 / 46
p0 1.453 ± 0.00236
p1 1.722e-06 ± 1.802e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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50000
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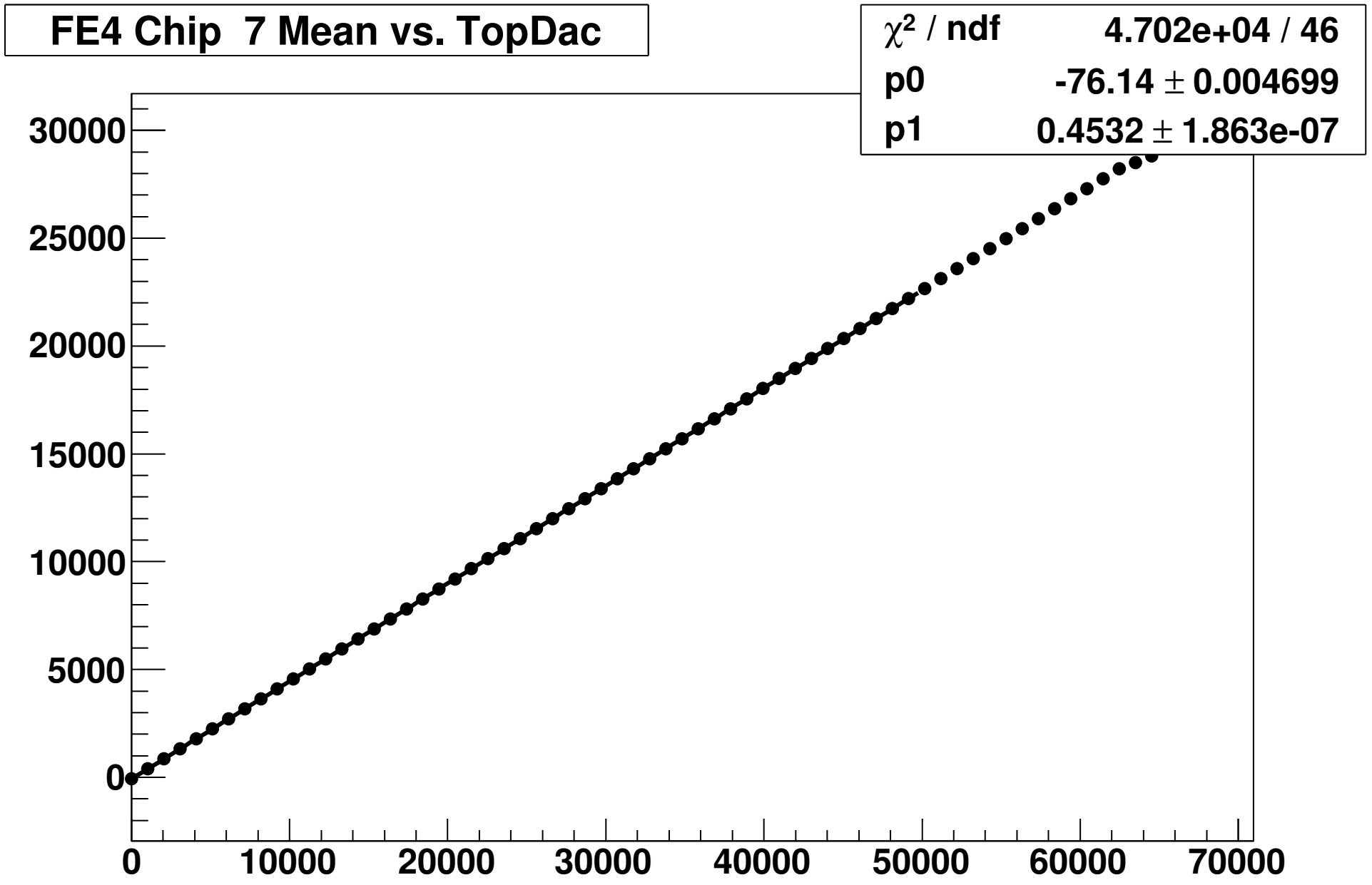
FE4 Chip 7 Mean vs. TopDac
χ² / ndf 4.702e+04 / 46
p0 -76.14 ± 0.004699
p1 0.4532 ± 1.863e-07
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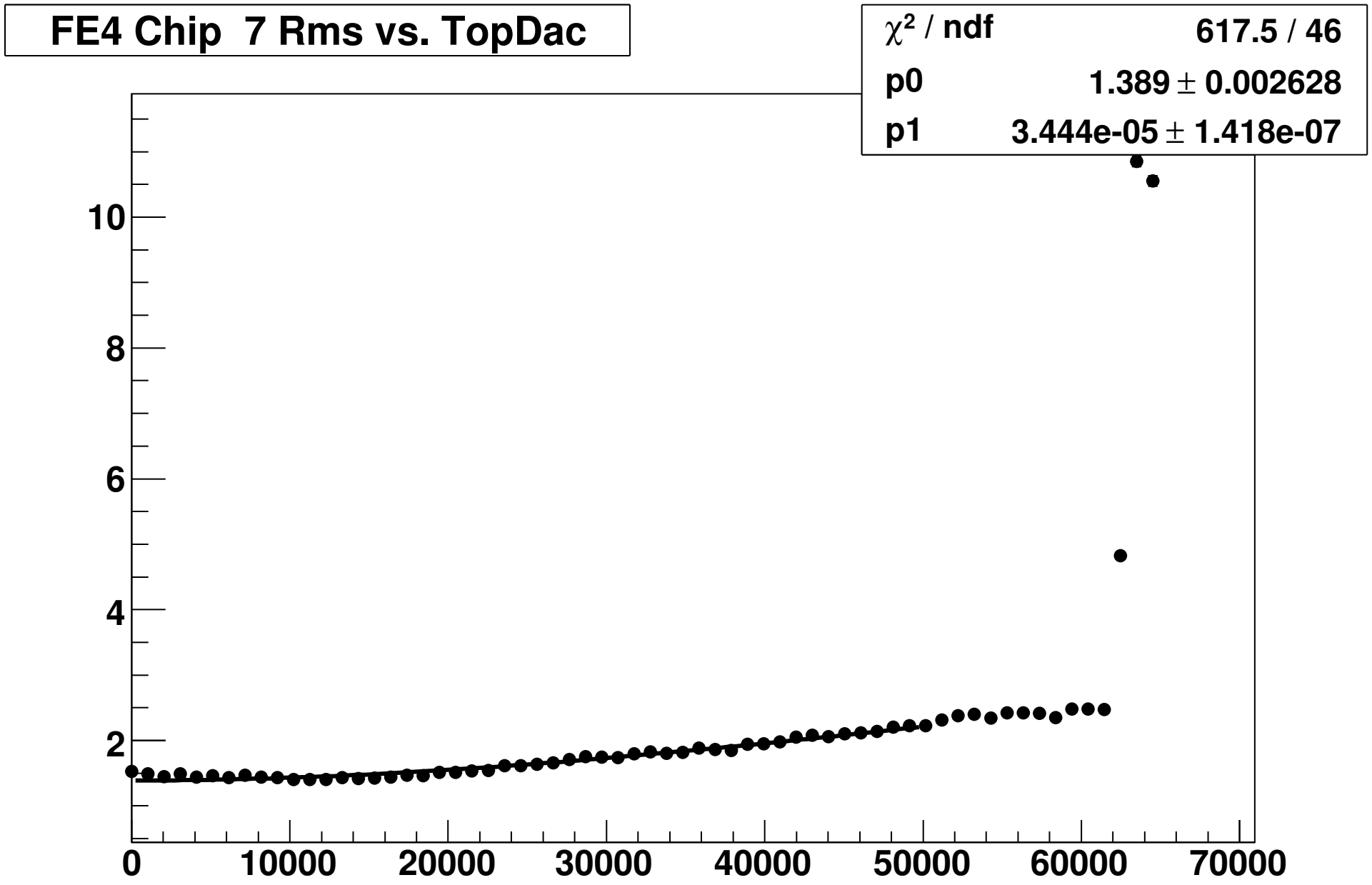
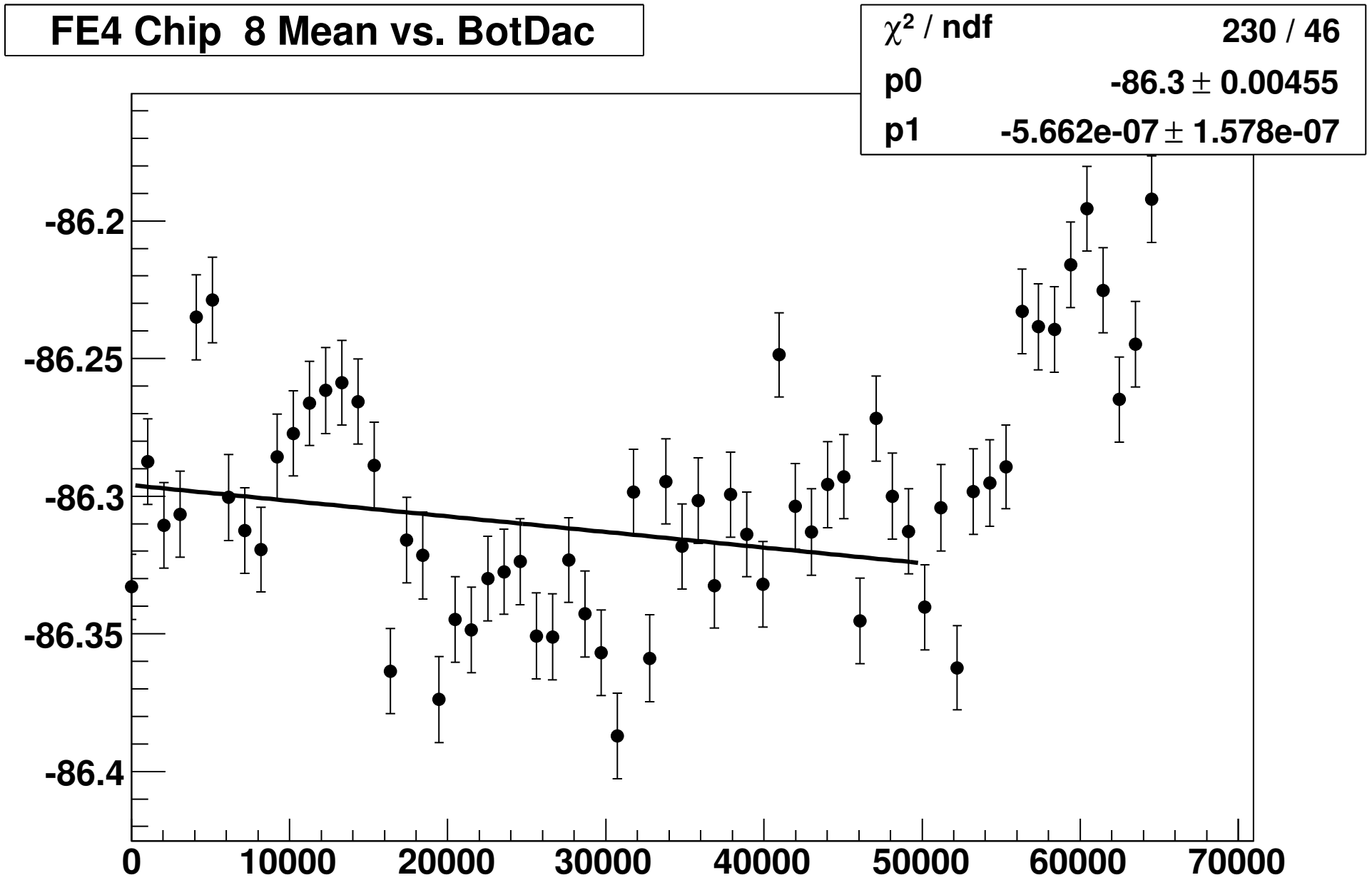
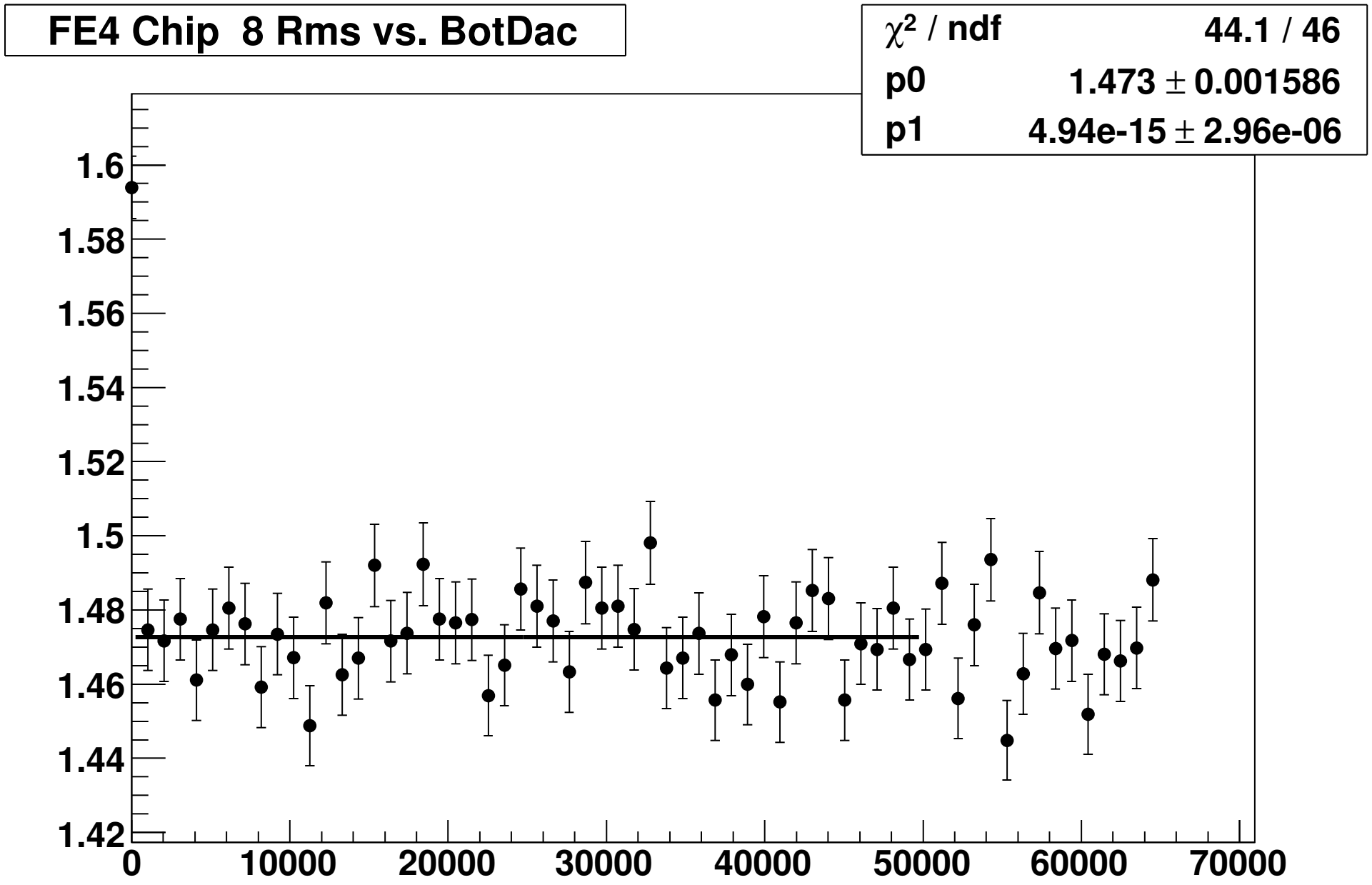
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 617.5 / 46
p0 1.389 ± 0.002628
p1 3.444e-05 ± 1.418e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 230 / 46
p0 -86.3 ± 0.00455
p1 -5.662e-07 ± 1.578e-07
-86.2
-86.25
-86.3
-86.35
-86.4
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 44.1 / 46
p0 1.473 ± 0.001586
p1 4.94e-15 ± 2.96e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
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20000
30000
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50000
60000
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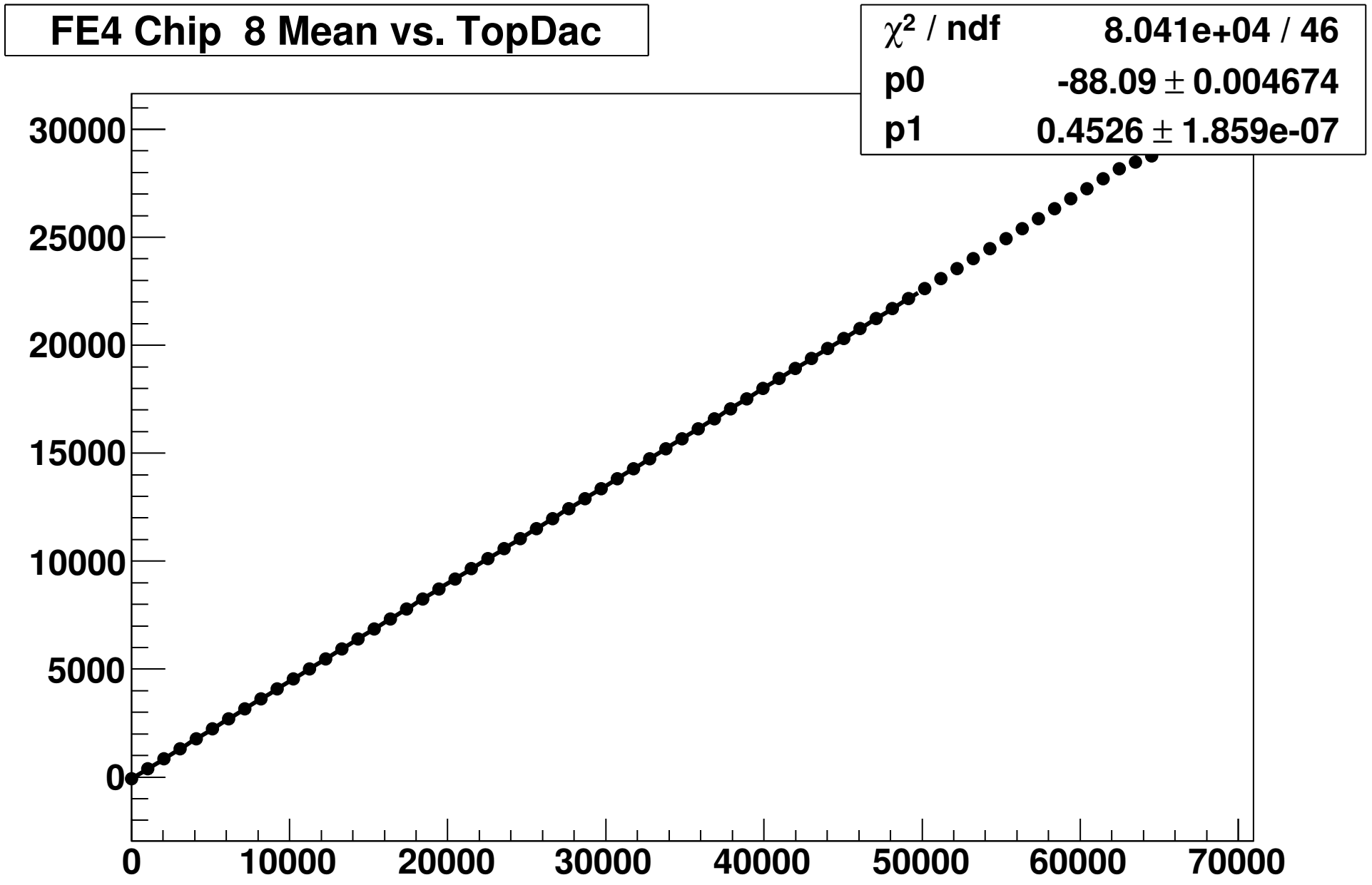
FE4 Chip 8 Mean vs. TopDac
χ² / ndf 8.041e+04 / 46
p0 -88.09 ± 0.004674
p1 0.4526 ± 1.859e-07
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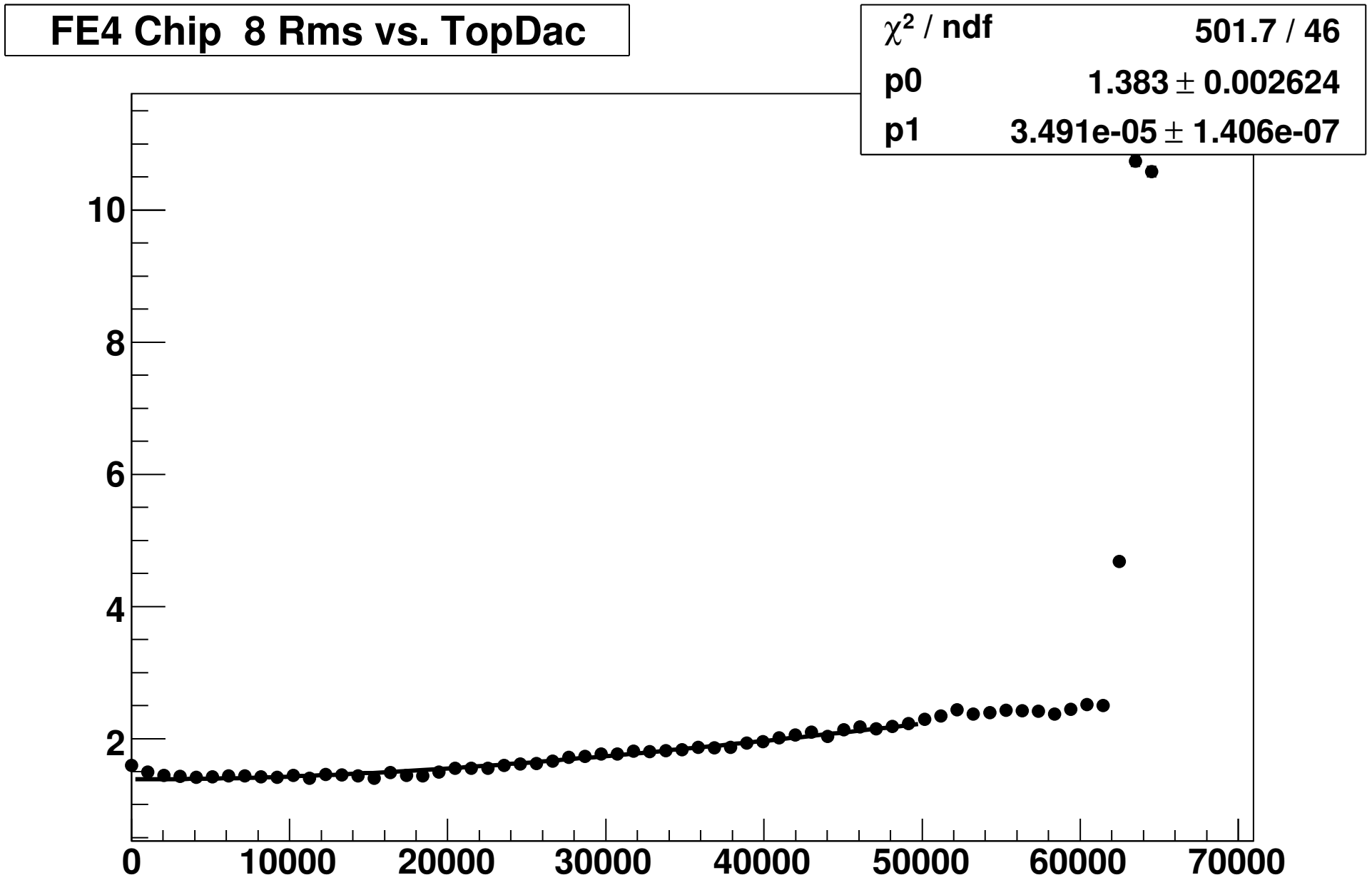
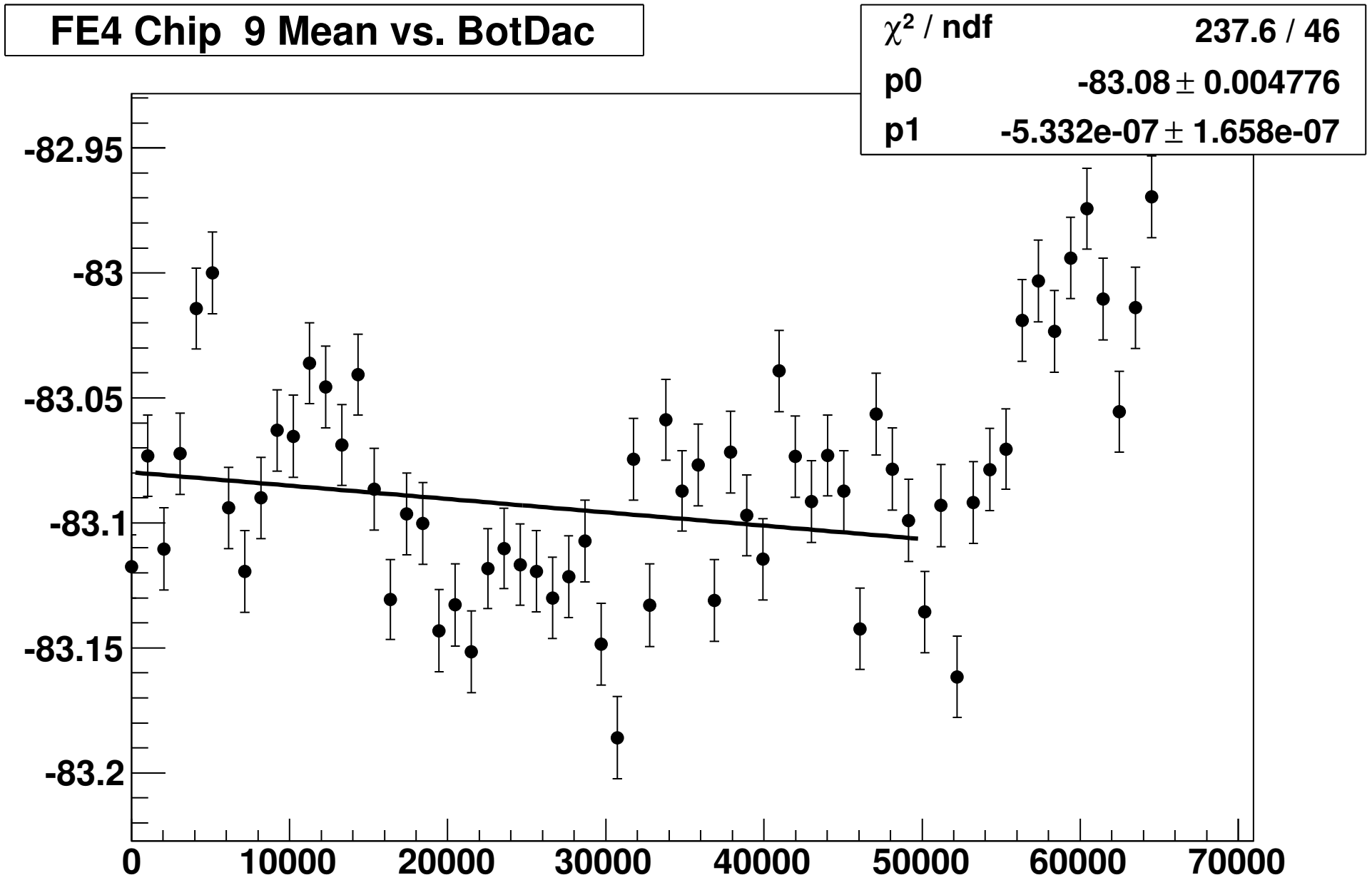
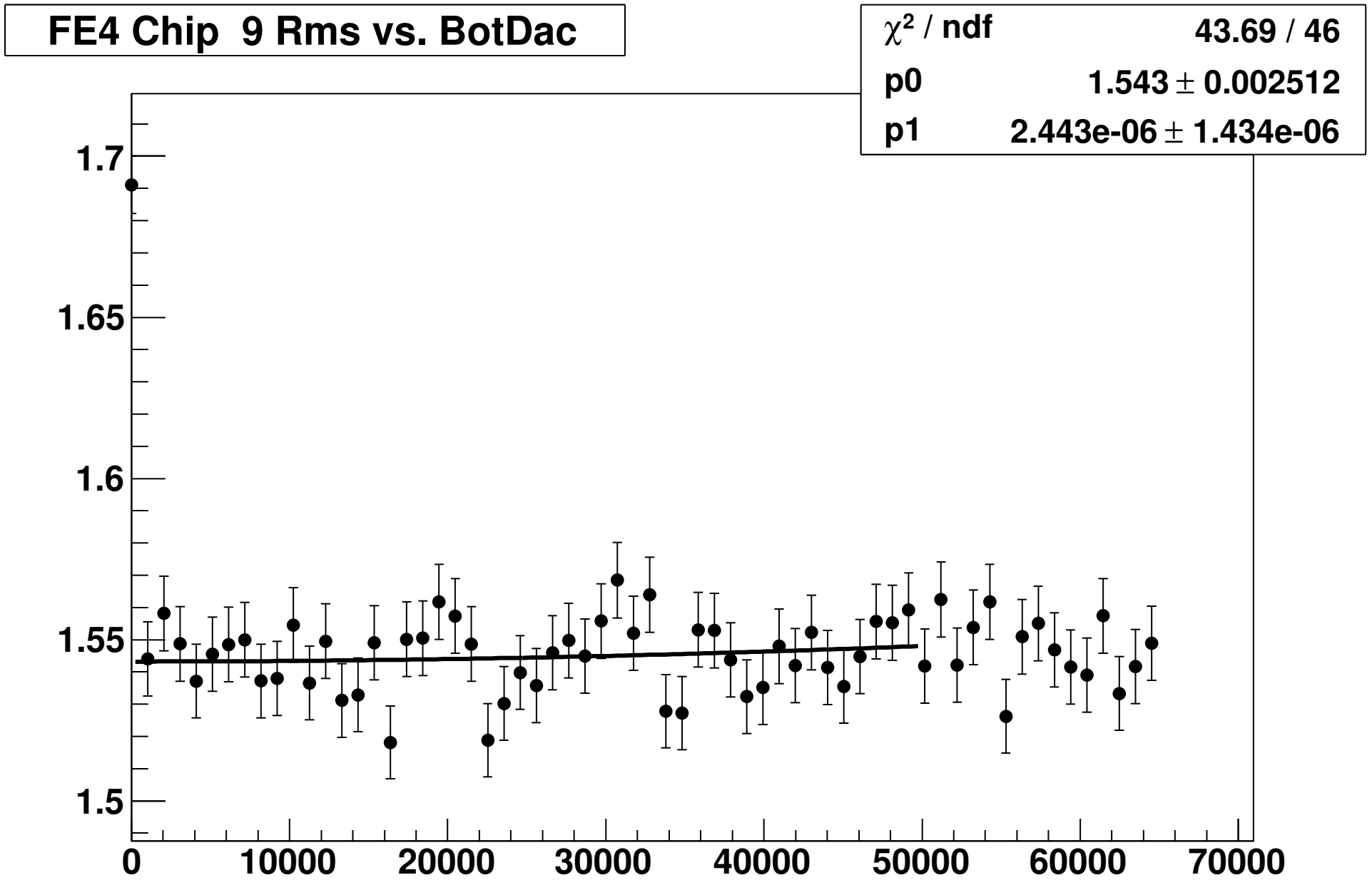
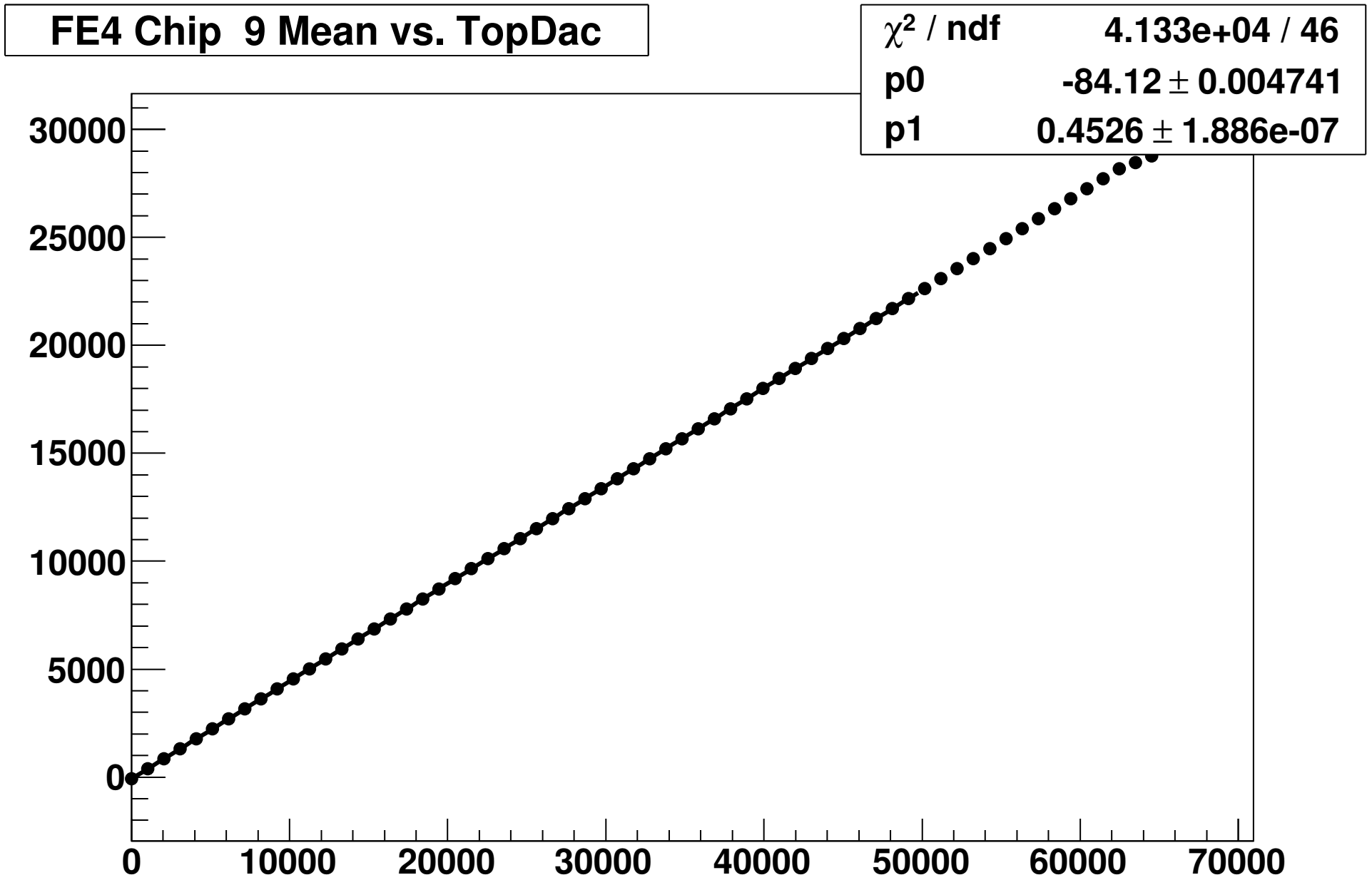
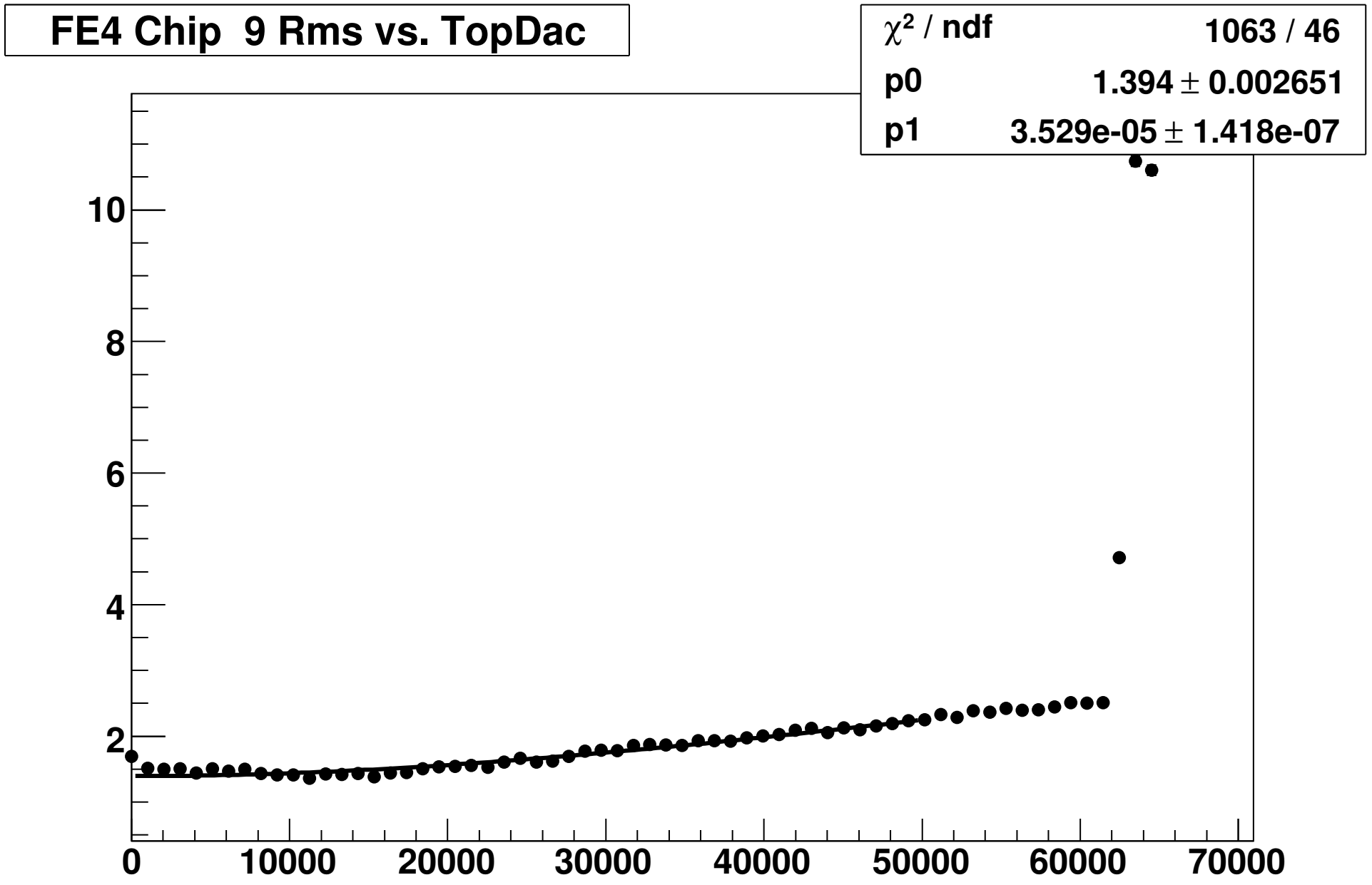
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 501.7 / 46
p0 1.383 ± 0.002624
p1 3.491e-05 ± 1.406e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 237.6 / 46
p0 -83.08 ± 0.004776
p1 -5.332e-07 ± 1.658e-07
-82.95
-83
-83.05
-83.1
-83.15
-83.2
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 43.69 / 46
p0 1.543 ± 0.002512
p1 2.443e-06 ± 1.434e-06
1.7
1.65
1.6
1.55
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 4.133e+04 / 46
p0 -84.12 ± 0.004741
p1 0.4526 ± 1.886e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 1063 / 46
p0 1.394 ± 0.002651
p1 3.529e-05 ± 1.418e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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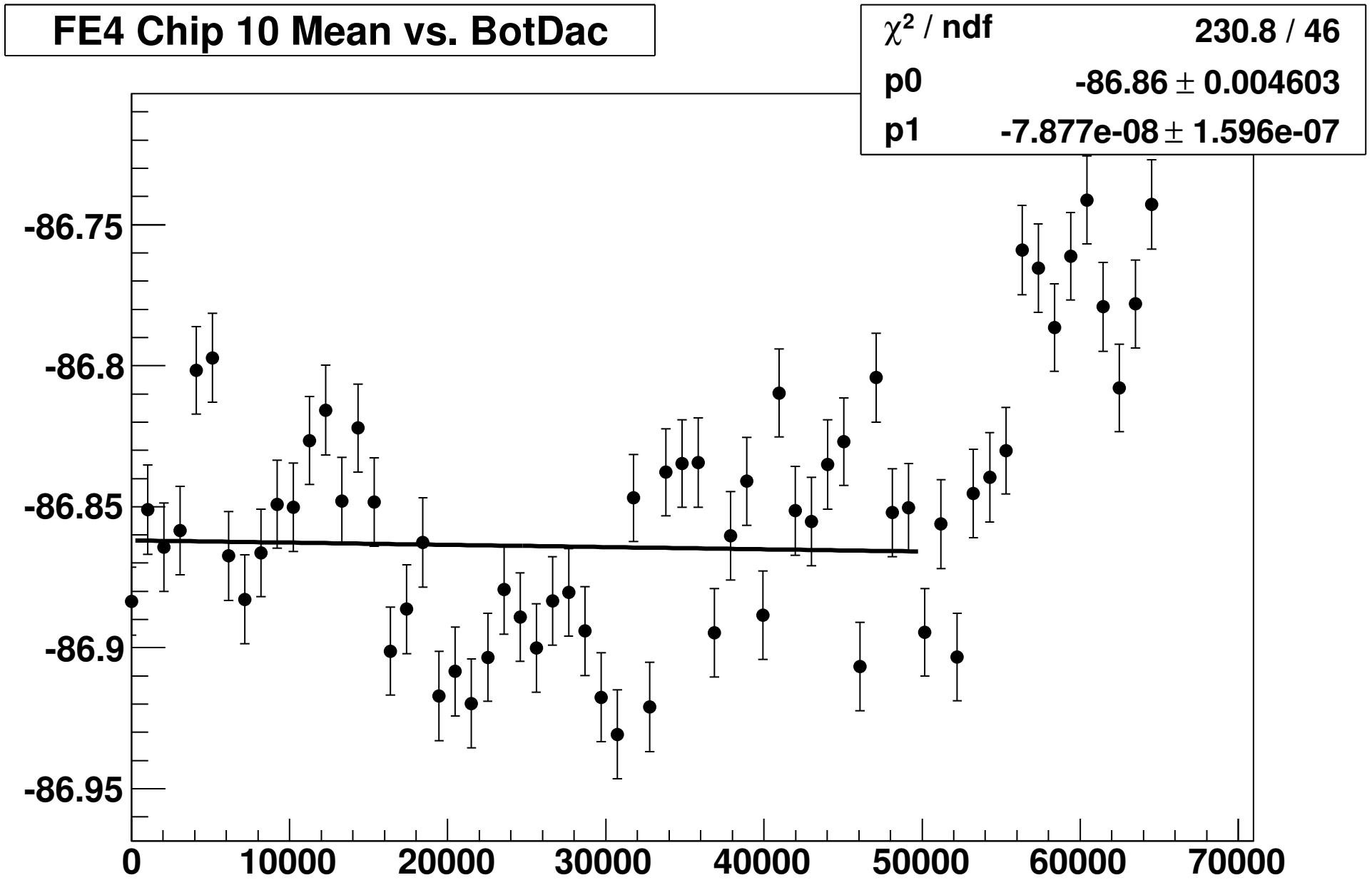
FE4 Chip 10 Mean vs. BotDac
χ² / ndf 230.8 / 46
p0 -86.86 ± 0.004603
p1 -7.877e-08 ± 1.596e-07
-86.75
-86.8
-86.85
-86.9
-86.95
0
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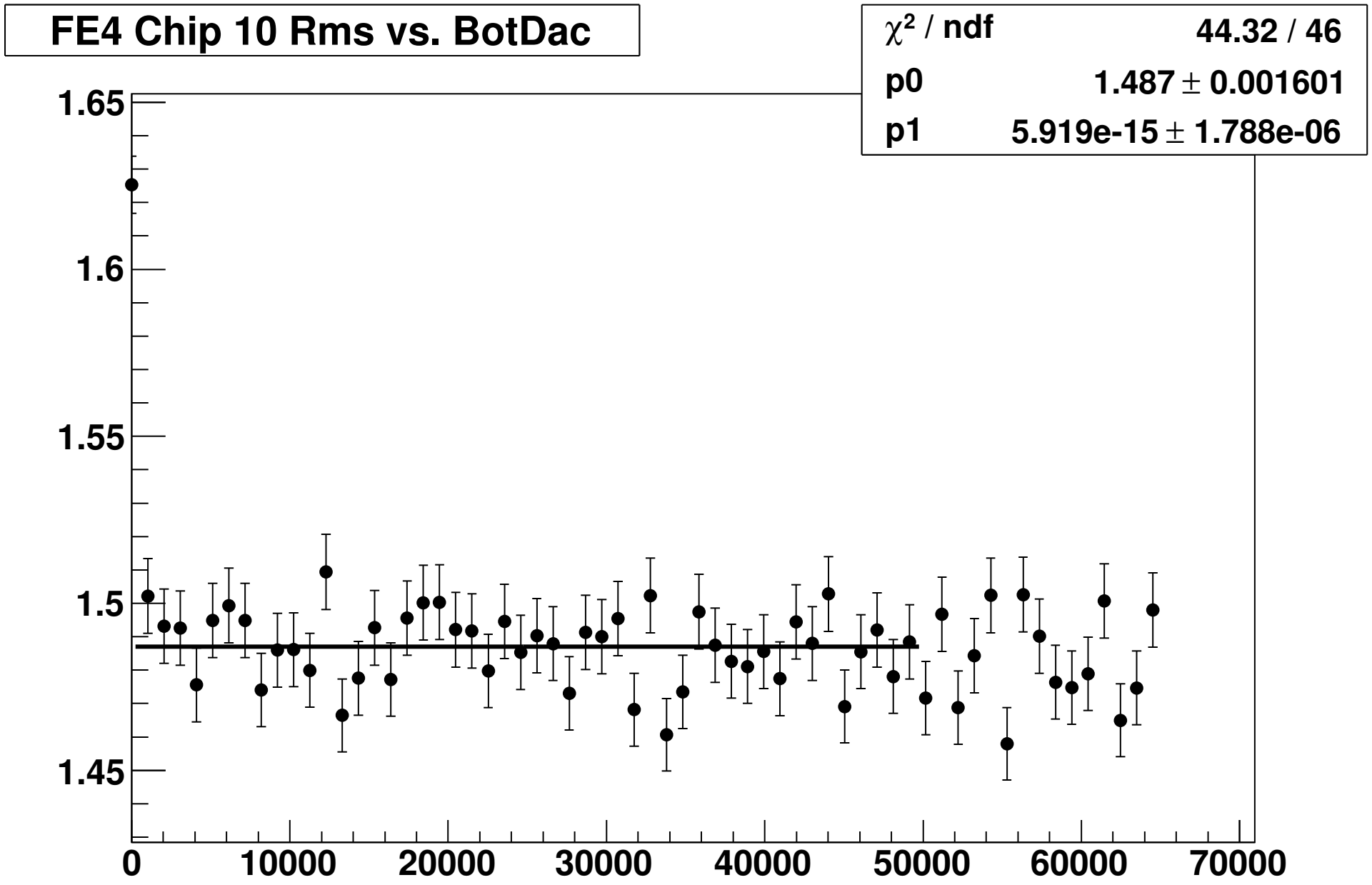
FE4 Chip 10 Rms vs. BotDac
χ² / ndf 44.32 / 46
p0 1.487 ± 0.001601
p1 5.919e-15 ± 1.788e-06
1.65
1.6
1.55
1.5
1.45
0
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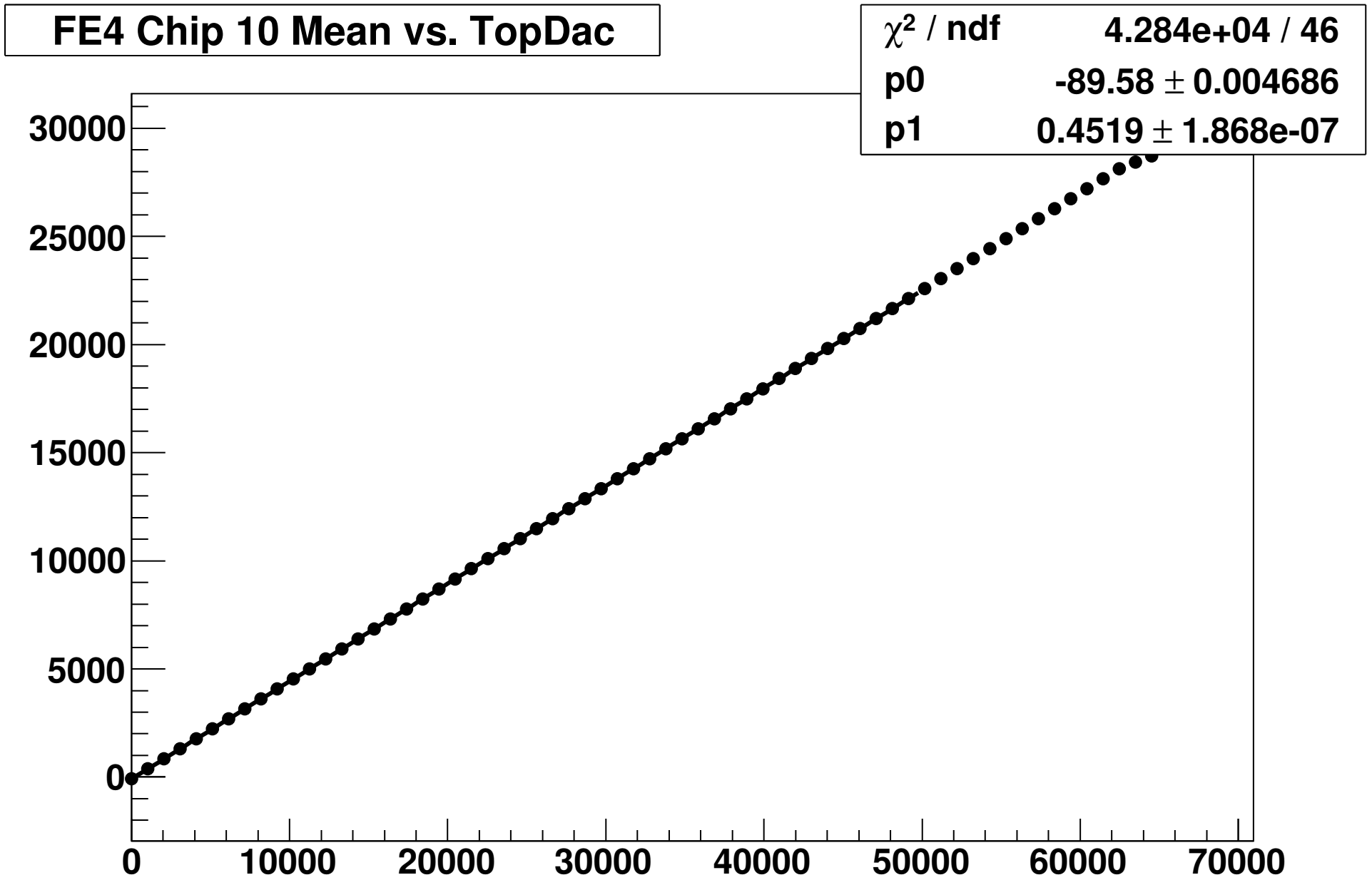
FE4 Chip 10 Mean vs. TopDac
χ² / ndf 4.284e+04 / 46
p0 -89.58 ± 0.004686
p1 0.4519 ± 1.868e-07
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15000
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5000
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10000
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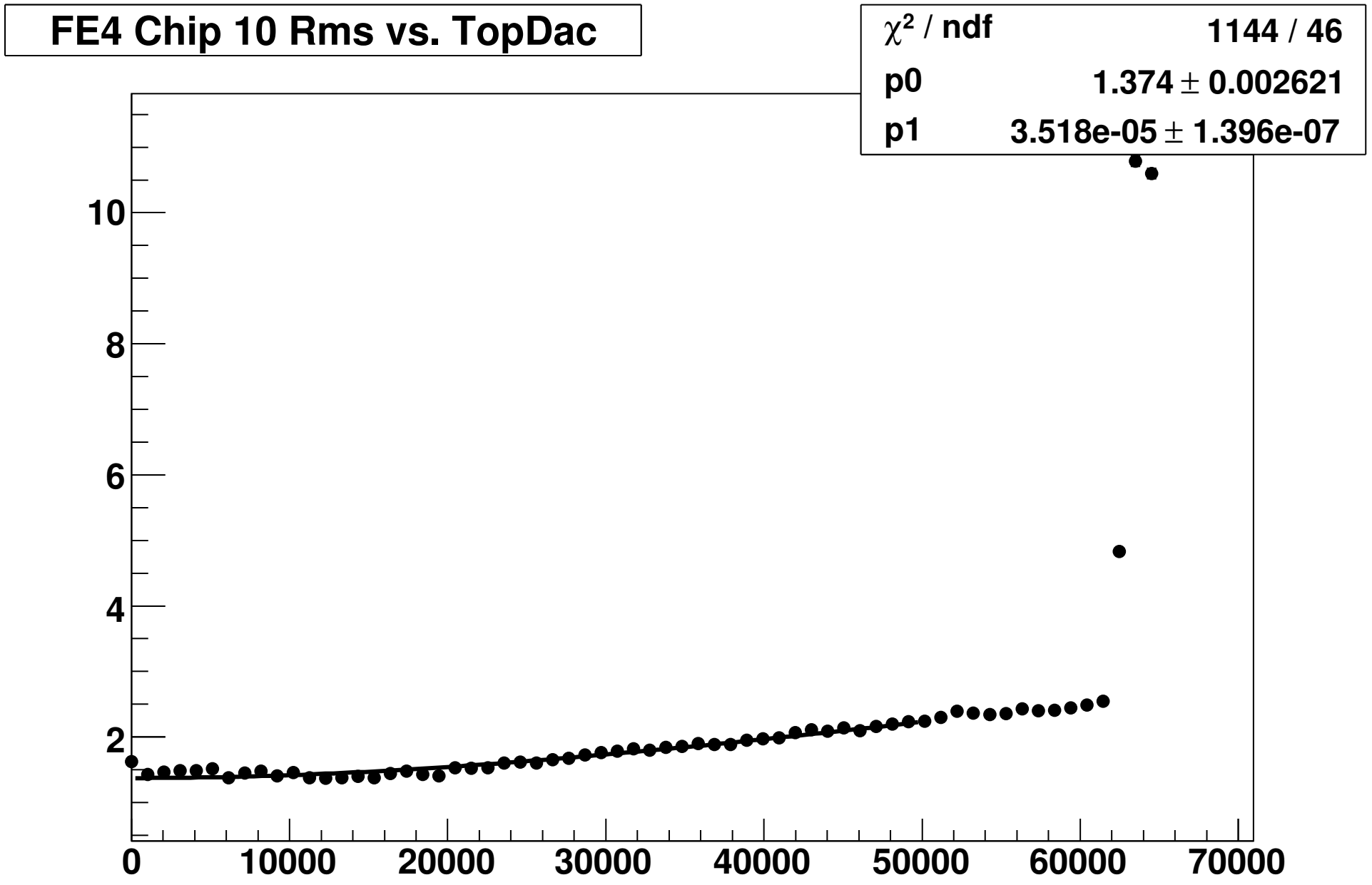
FE4 Chip 10 Rms vs. TopDac
χ² / ndf 1144 / 46
p0 1.374 ± 0.002621
p1 3.518e-05 ± 1.396e-07
10
8
6
4
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10000
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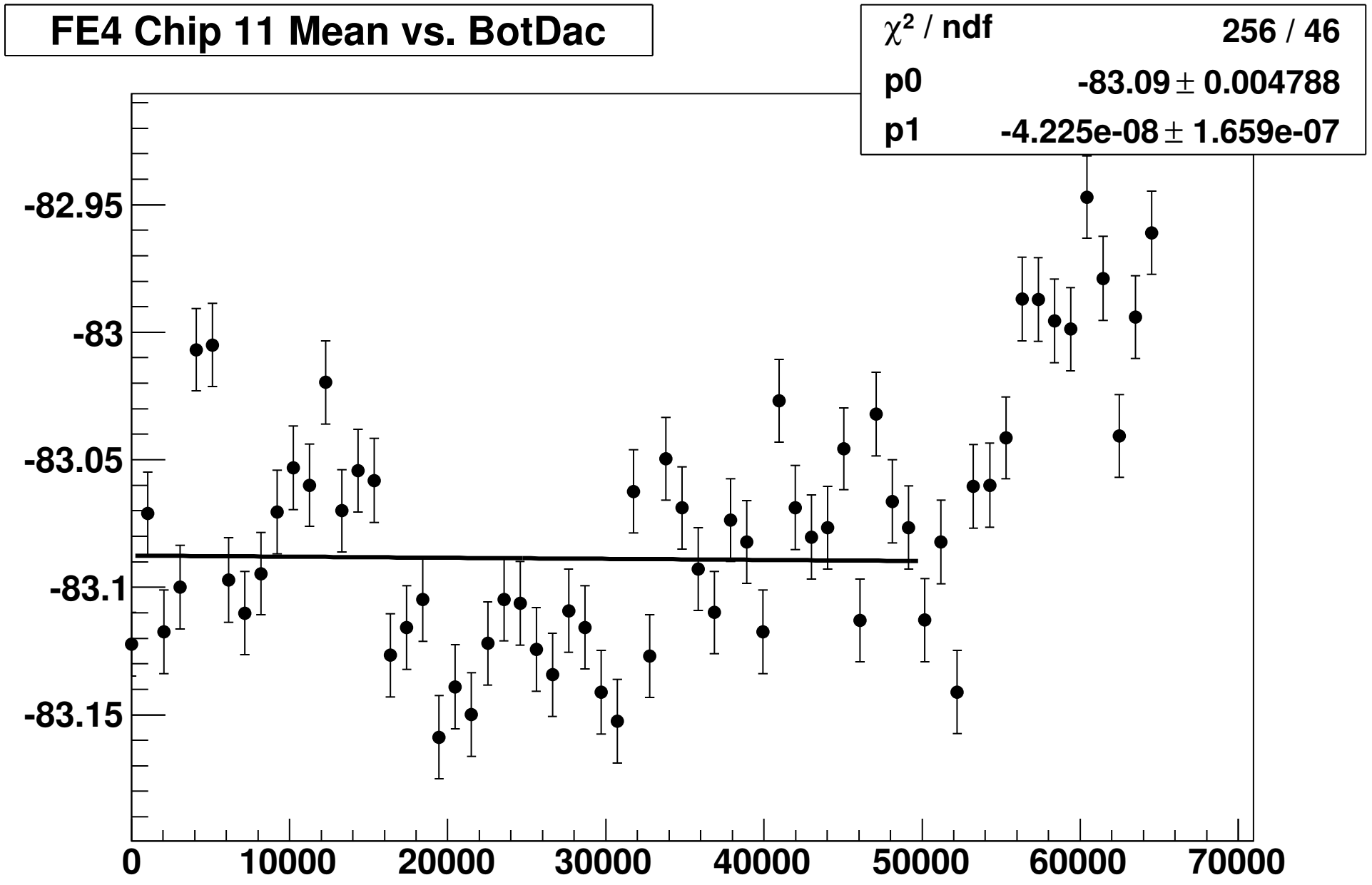
30000
40000
50000
60000
70000


FE4 Chip 11 Mean vs. BotDac
χ² / ndf 256 / 46
p0 -83.09 ± 0.004788
p1 -4.225e-08 ± 1.659e-07
-82.95
-83
-83.05
-83.1
-83.15
0
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60000
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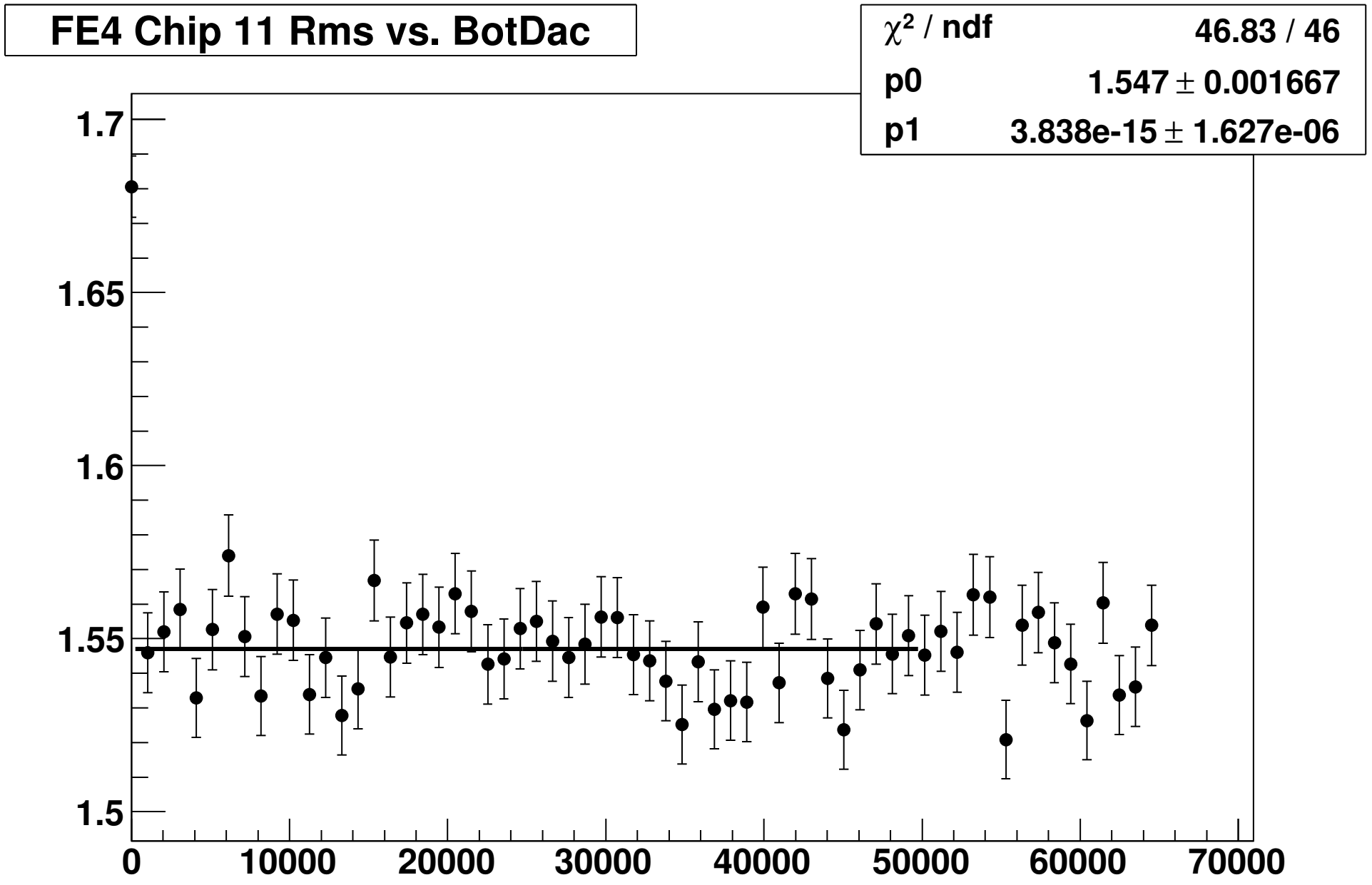
FE4 Chip 11 Rms vs. BotDac
χ² / ndf 46.83 / 46
p0 1.547 ± 0.001667
p1 3.838e-15 ± 1.627e-06
1.7
1.65
1.6
1.55
1.5
0
10000
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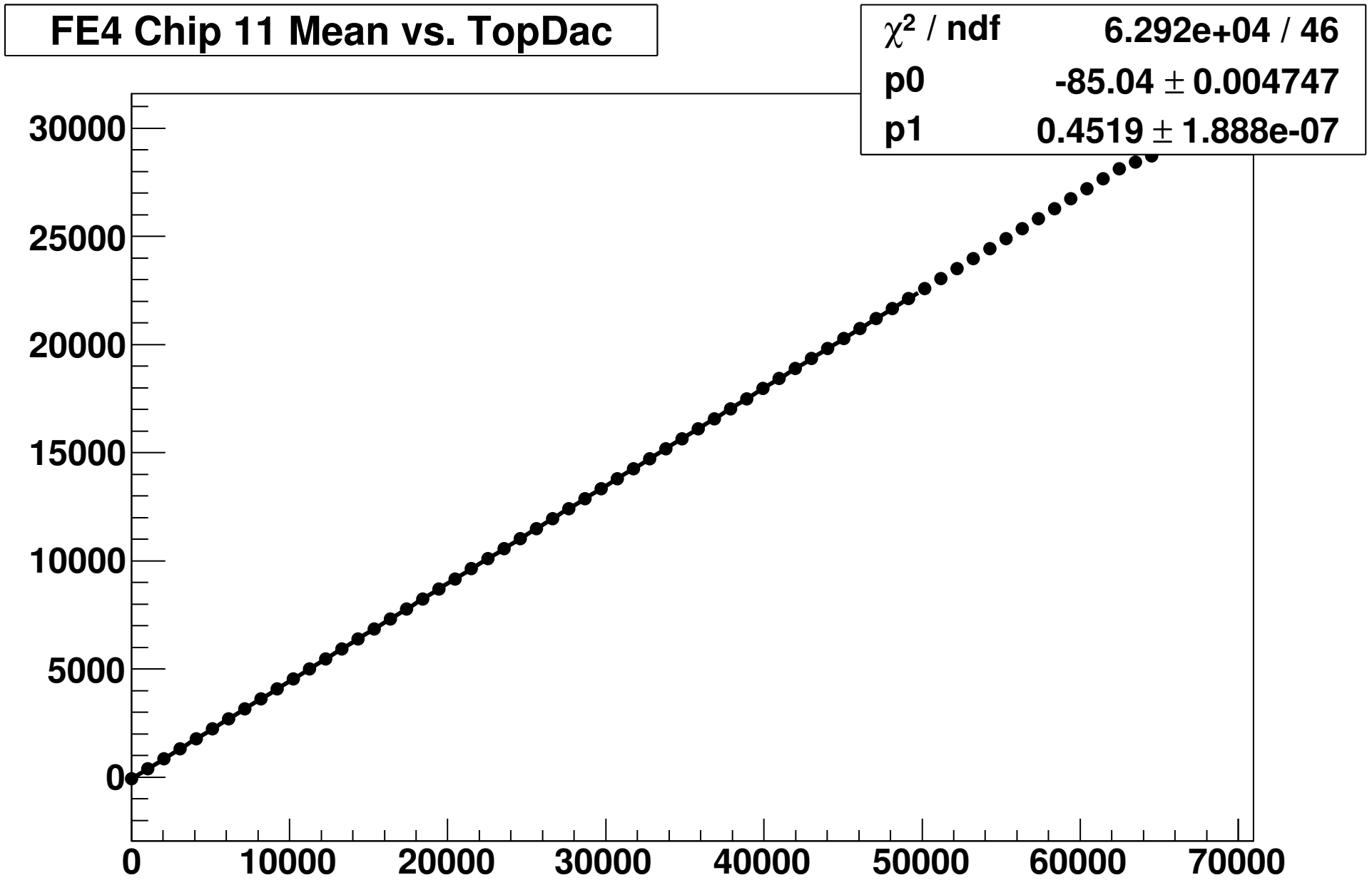
FE4 Chip 11 Mean vs. TopDac
χ² / ndf 6.292e+04 / 46
p0 -85.04 ± 0.004747
p1 0.4519 ± 1.888e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
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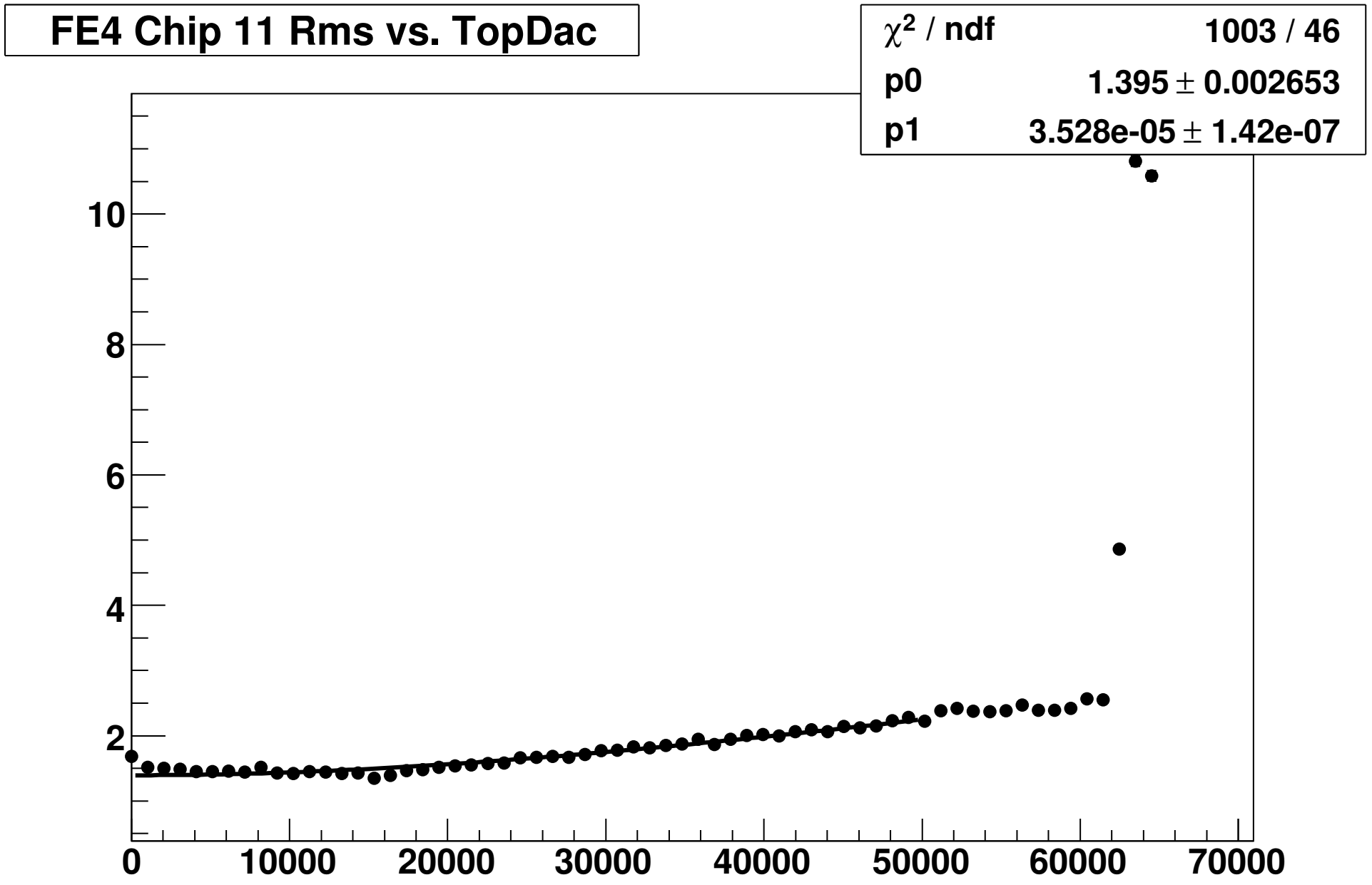
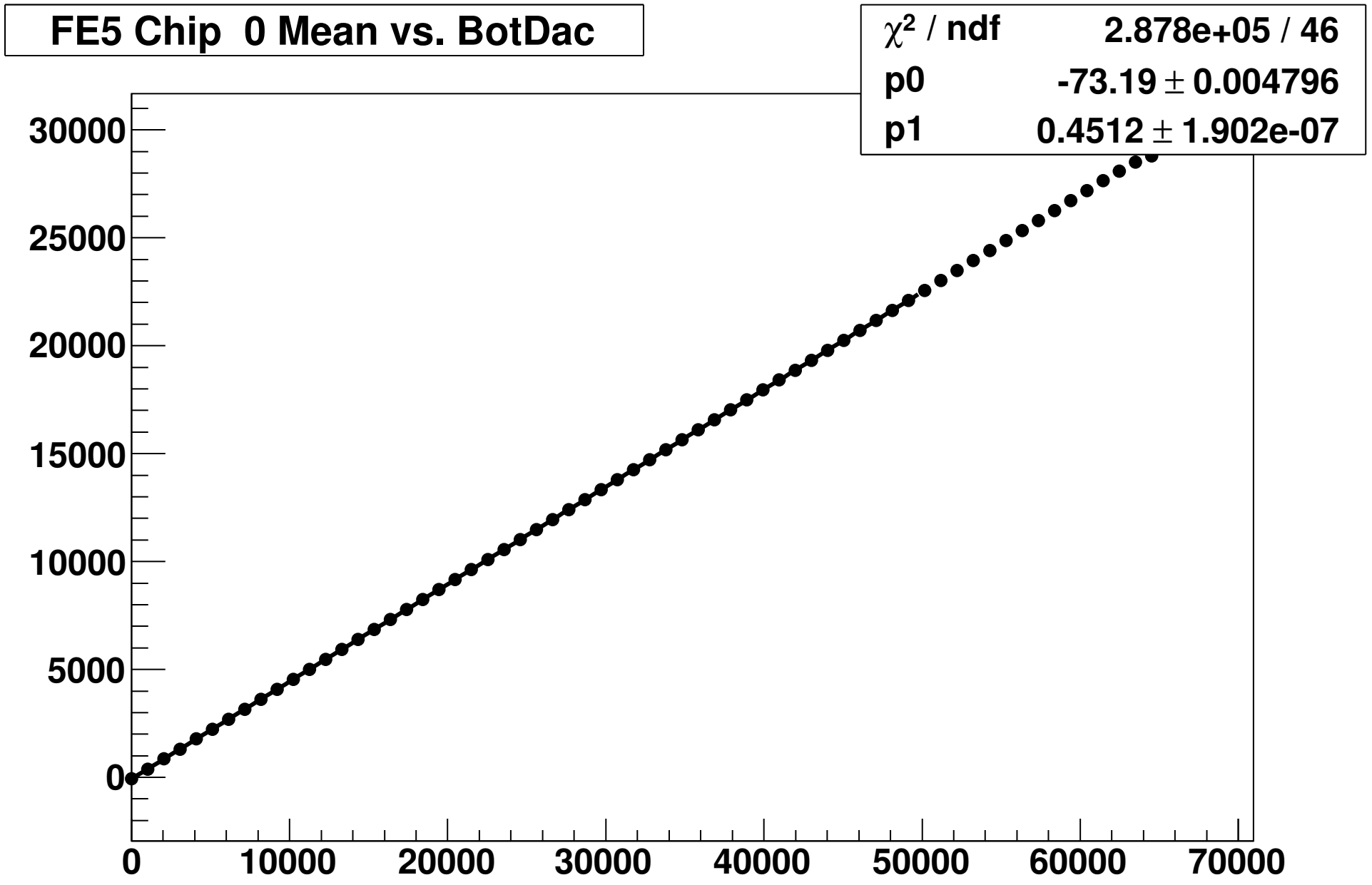
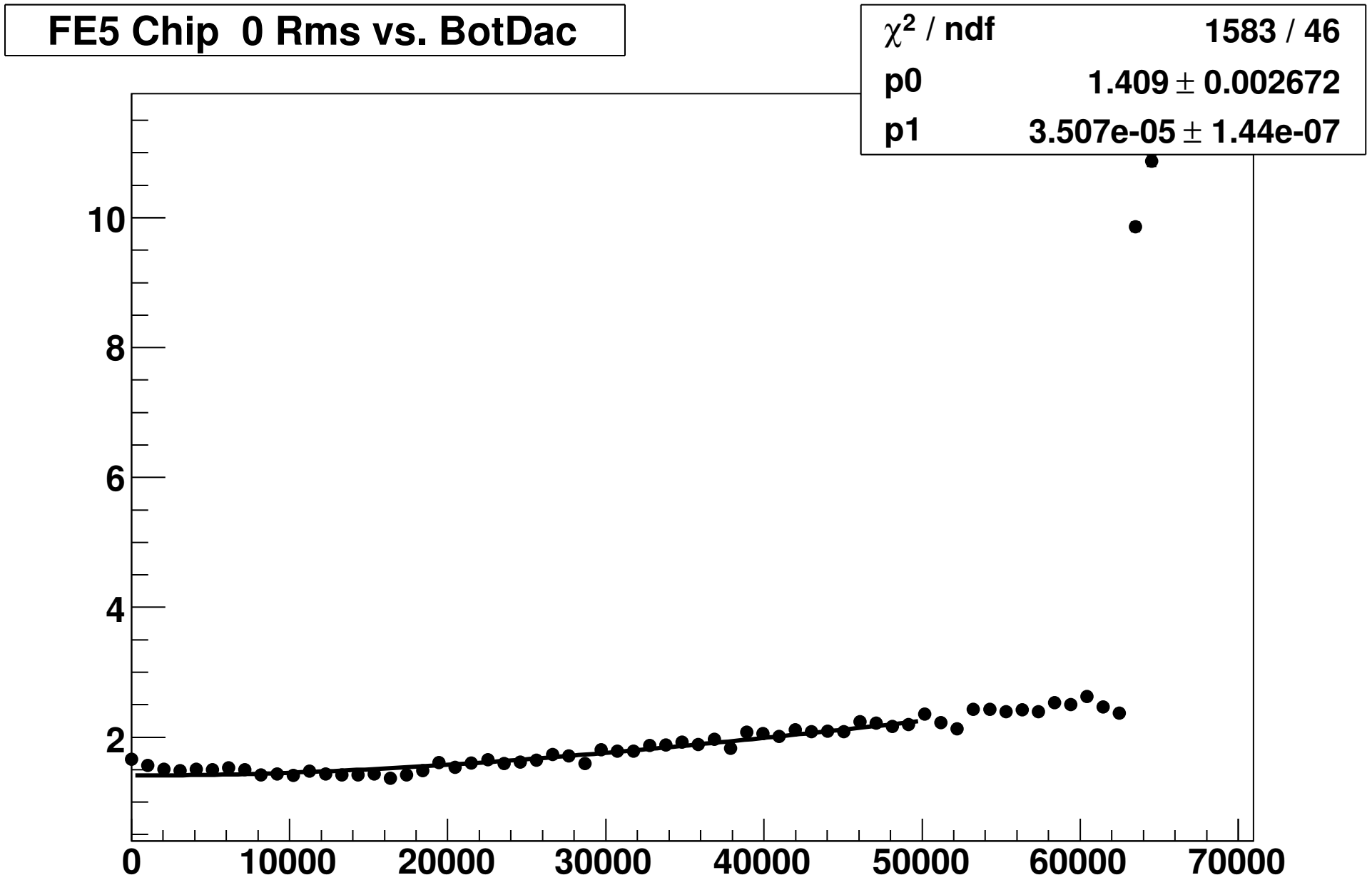
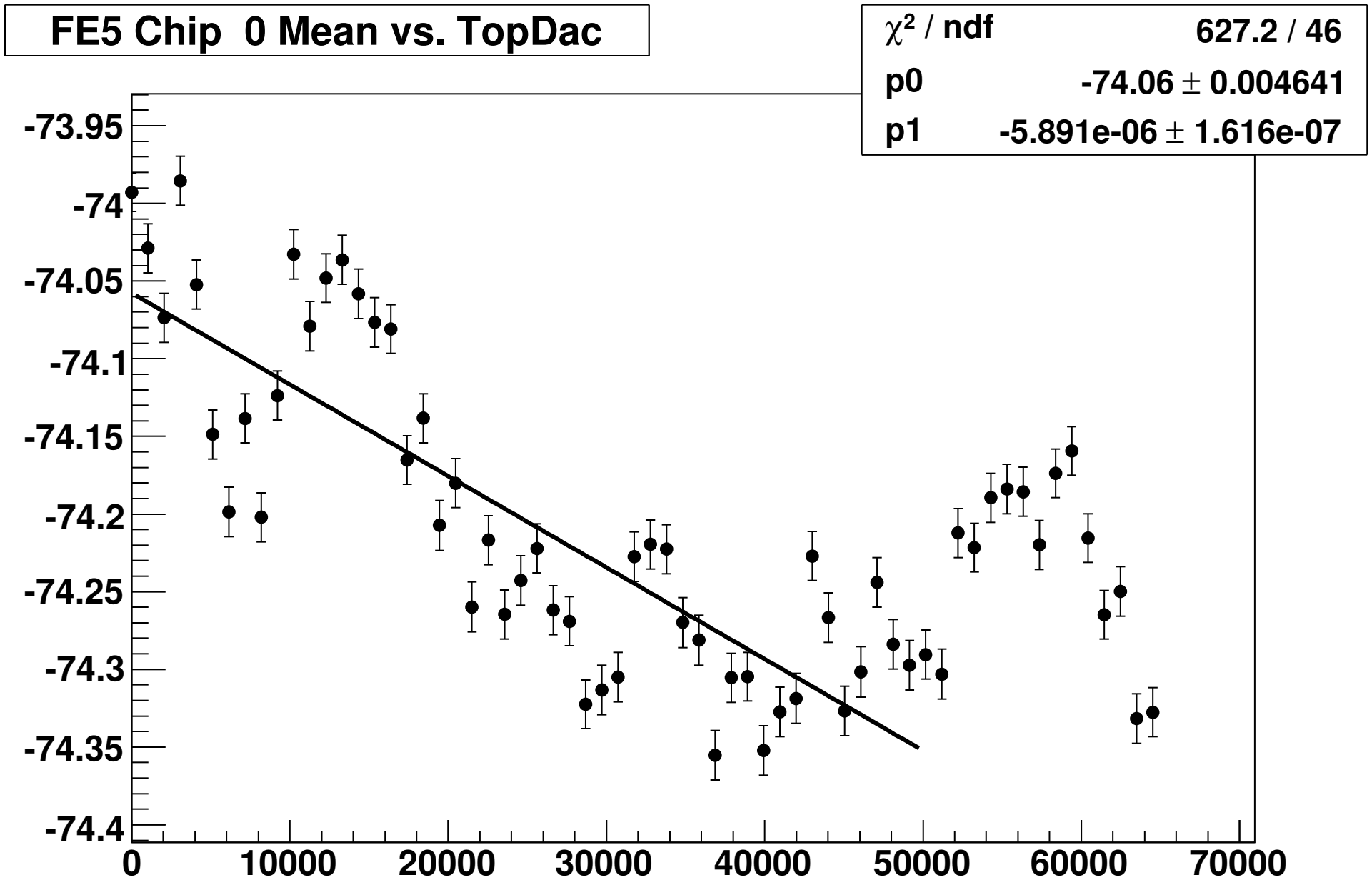
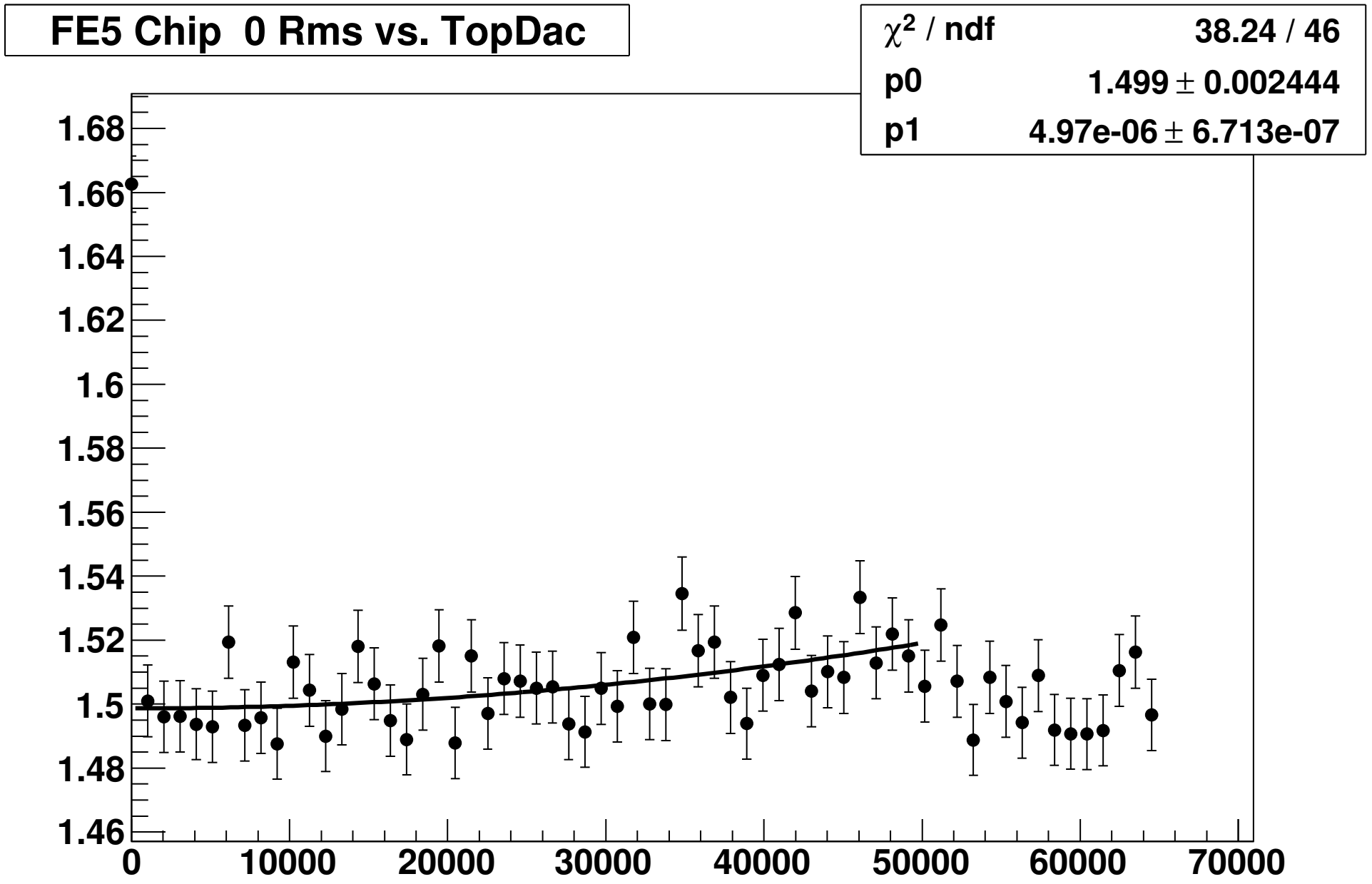
60000
70000


FE4 Chip 11 Rms vs. TopDac
χ² / ndf 1003 / 46
p0 1.395 ± 0.002653
p1 3.528e-05 ± 1.42e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. BotDac
χ² / ndf 2.878e+05 / 46
p0 -73.19 ± 0.004796
p1 0.4512 ± 1.902e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. BotDac
χ² / ndf 1583 / 46
p0 1.409 ± 0.002672
p1 3.507e-05 ± 1.44e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Mean vs. TopDac
χ² / ndf 627.2 / 46
p0 -74.06 ± 0.004641
p1 -5.891e-06 ± 1.616e-07
-73.95
-74
-74.05
-74.1
-74.15
-74.2
-74.25
-74.3
-74.35
-74.4
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 0 Rms vs. TopDac
χ² / ndf 38.24 / 46
p0 1.499 ± 0.002444
p1 4.97e-06 ± 6.713e-07
1.68
1.66
1.64
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
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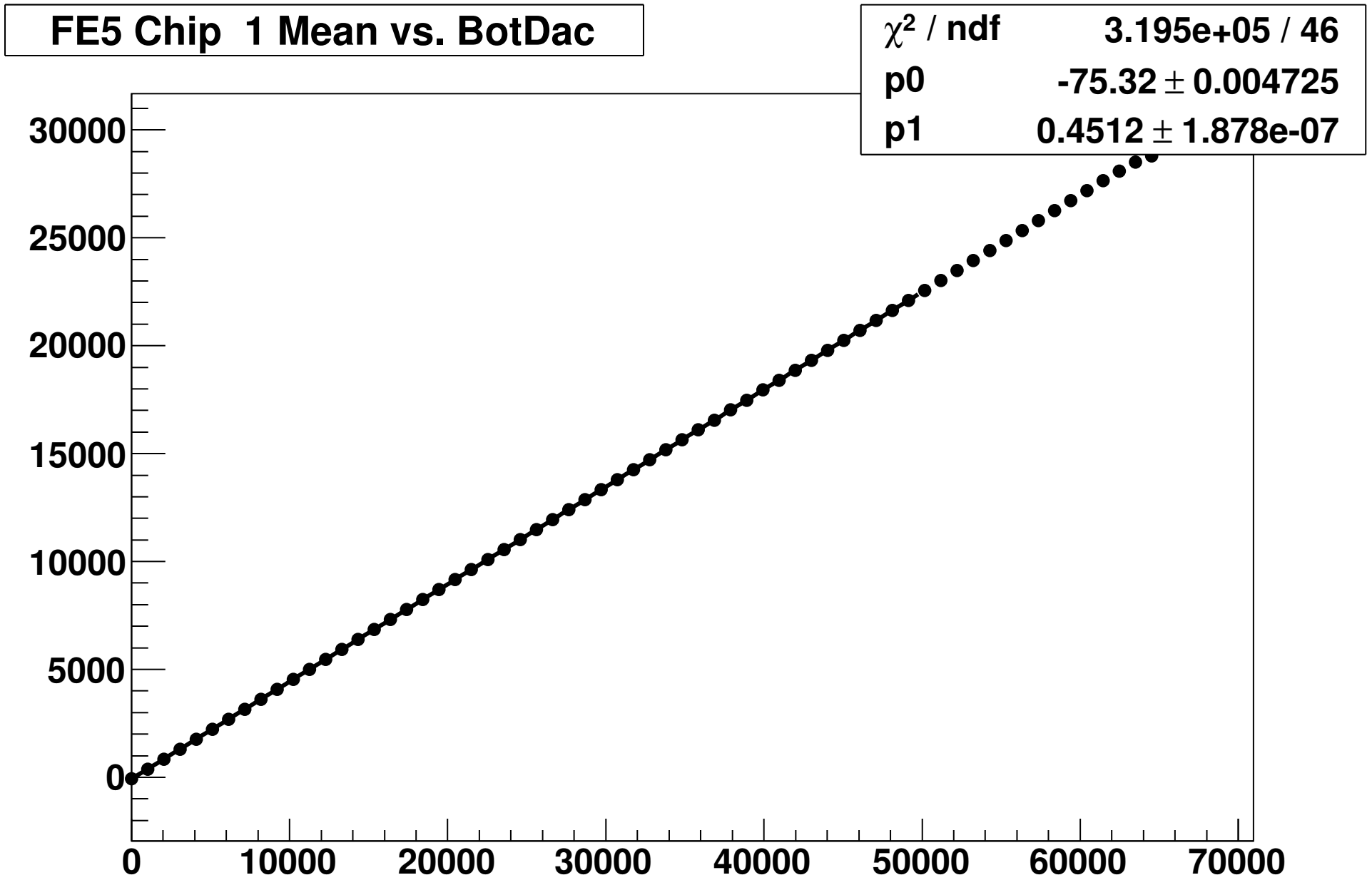
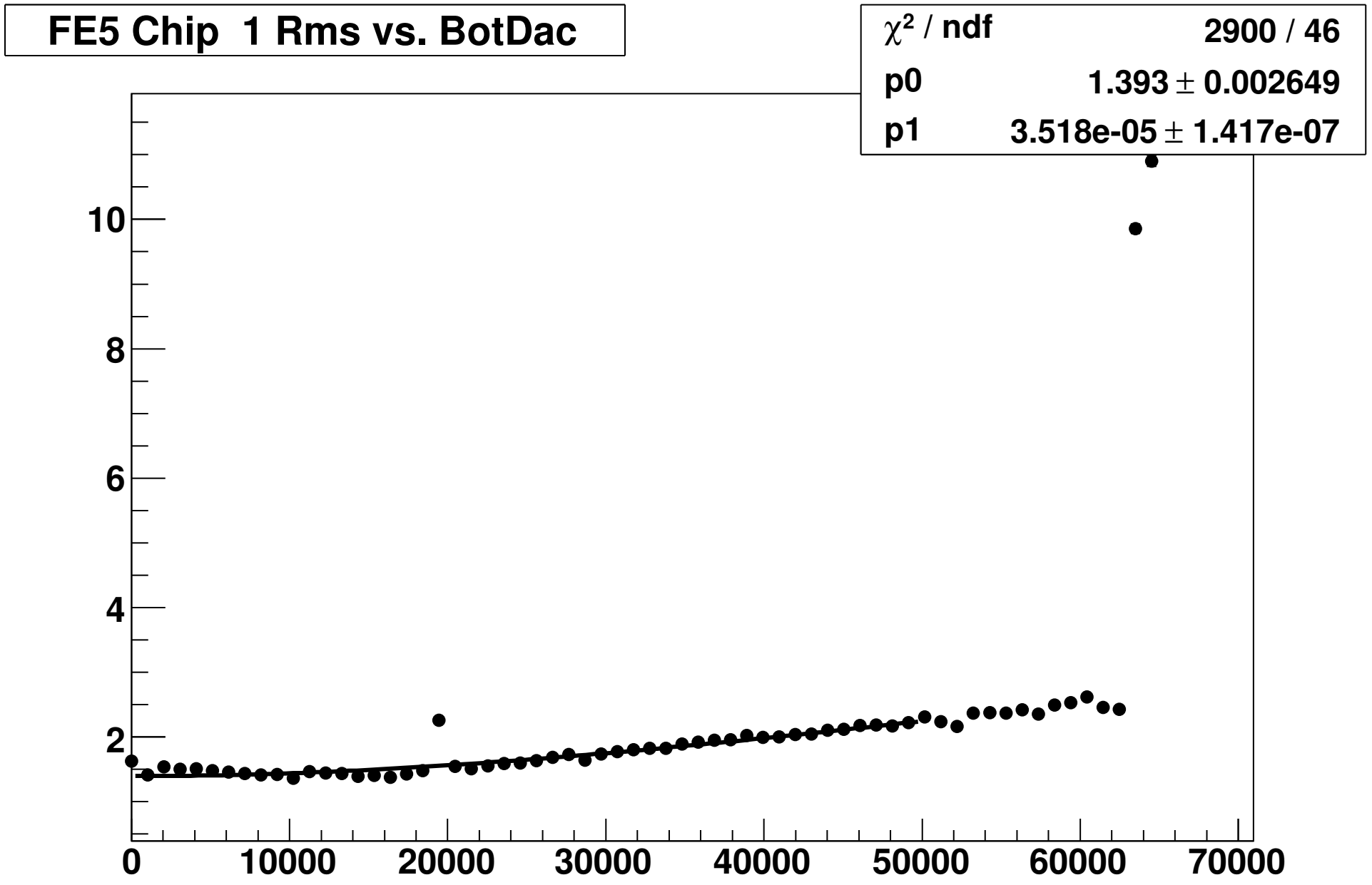
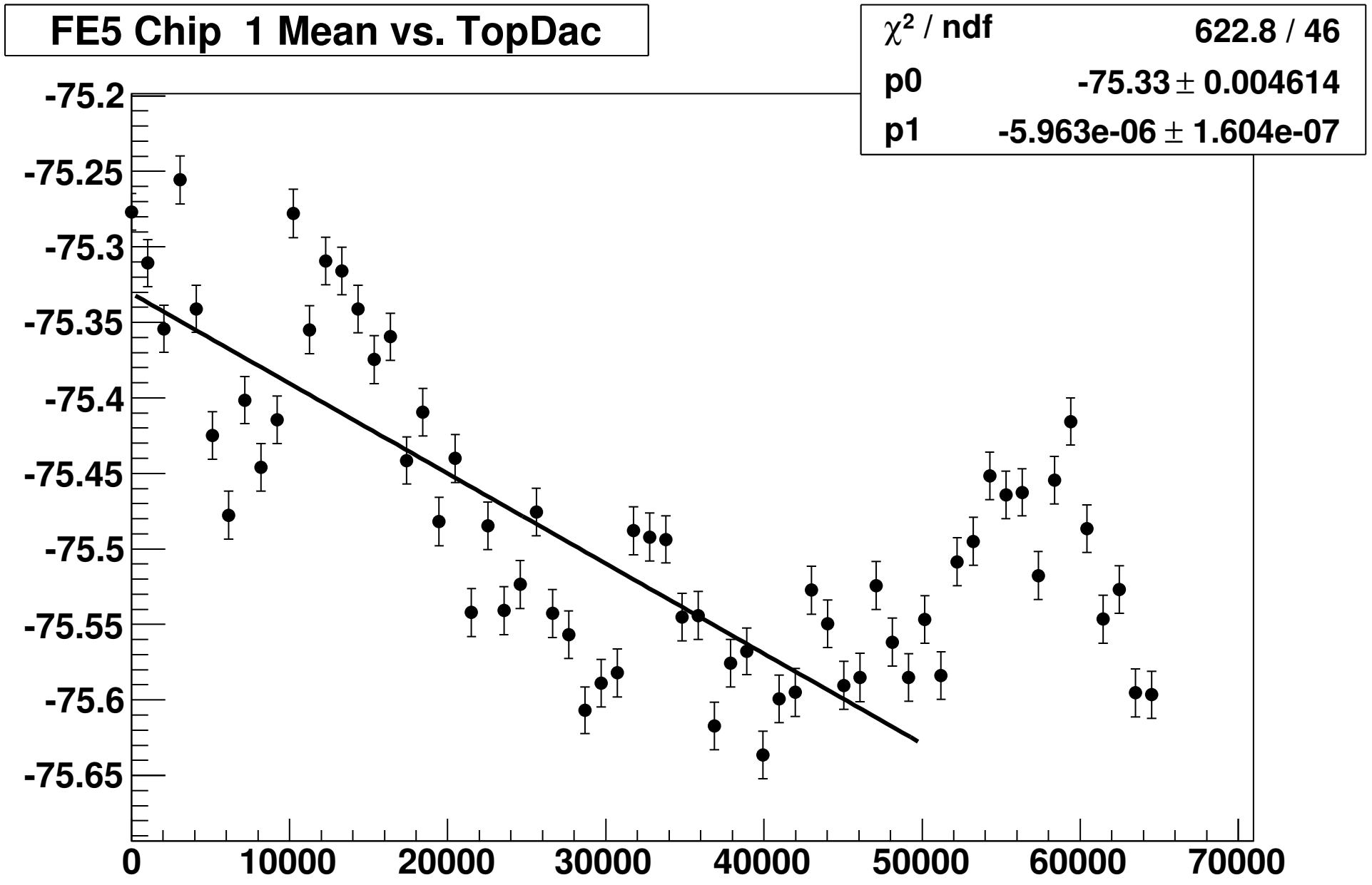

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 3.195e+05 / 46
p0 -75.32 ± 0.004725
p1 0.4512 ± 1.878e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Rms vs. BotDac
χ² / ndf 2900 / 46
p0 1.393 ± 0.002649
p1 3.518e-05 ± 1.417e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 1 Mean vs. TopDac
χ² / ndf 622.8 / 46
p0 -75.33 ± 0.004614
p1 -5.963e-06 ± 1.604e-07
-75.2
-75.25
-75.3
-75.35
-75.4
-75.45
-75.5
-75.55
-75.6
-75.65
0
10000
20000
30000
40000
50000
60000
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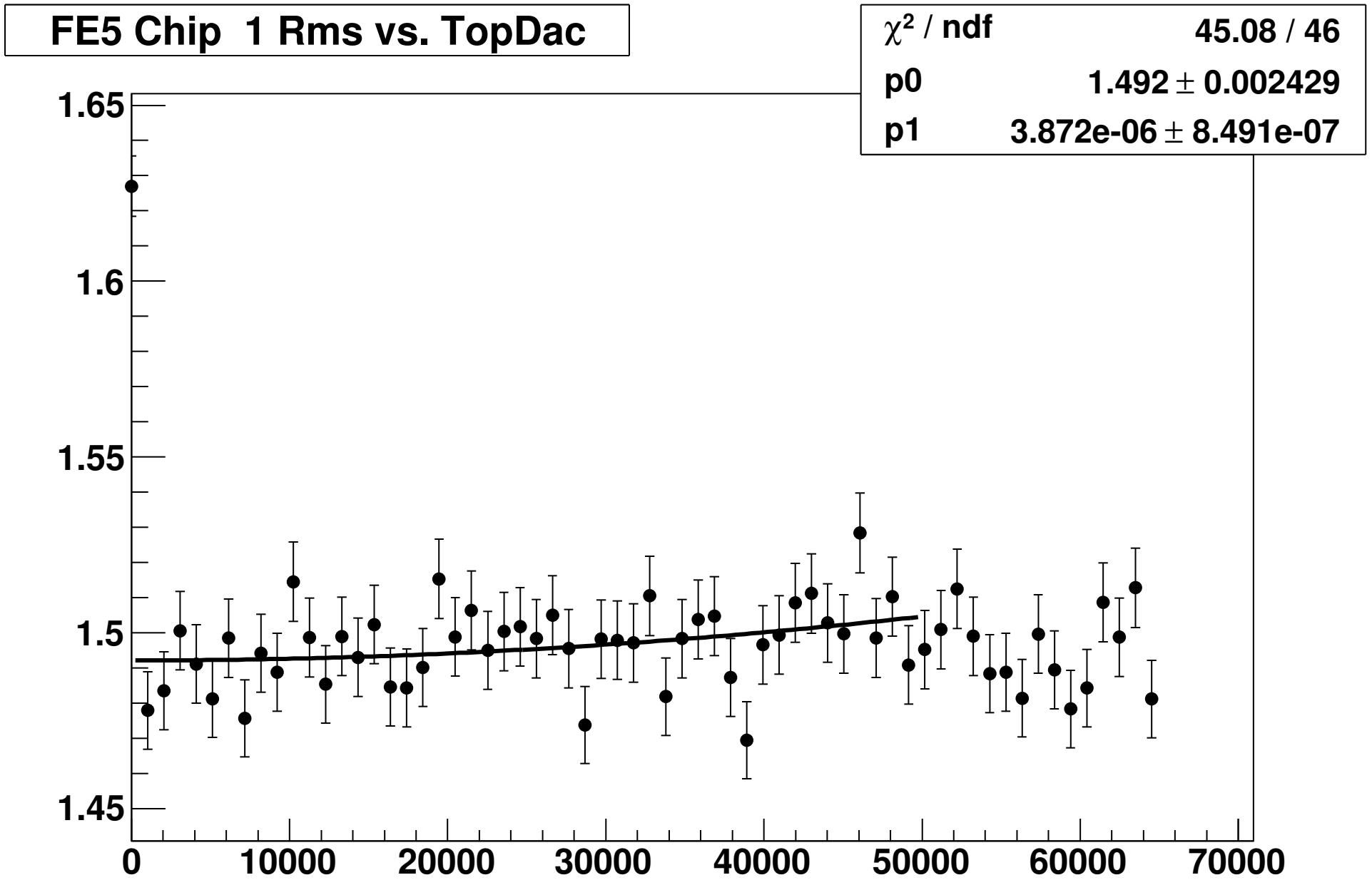
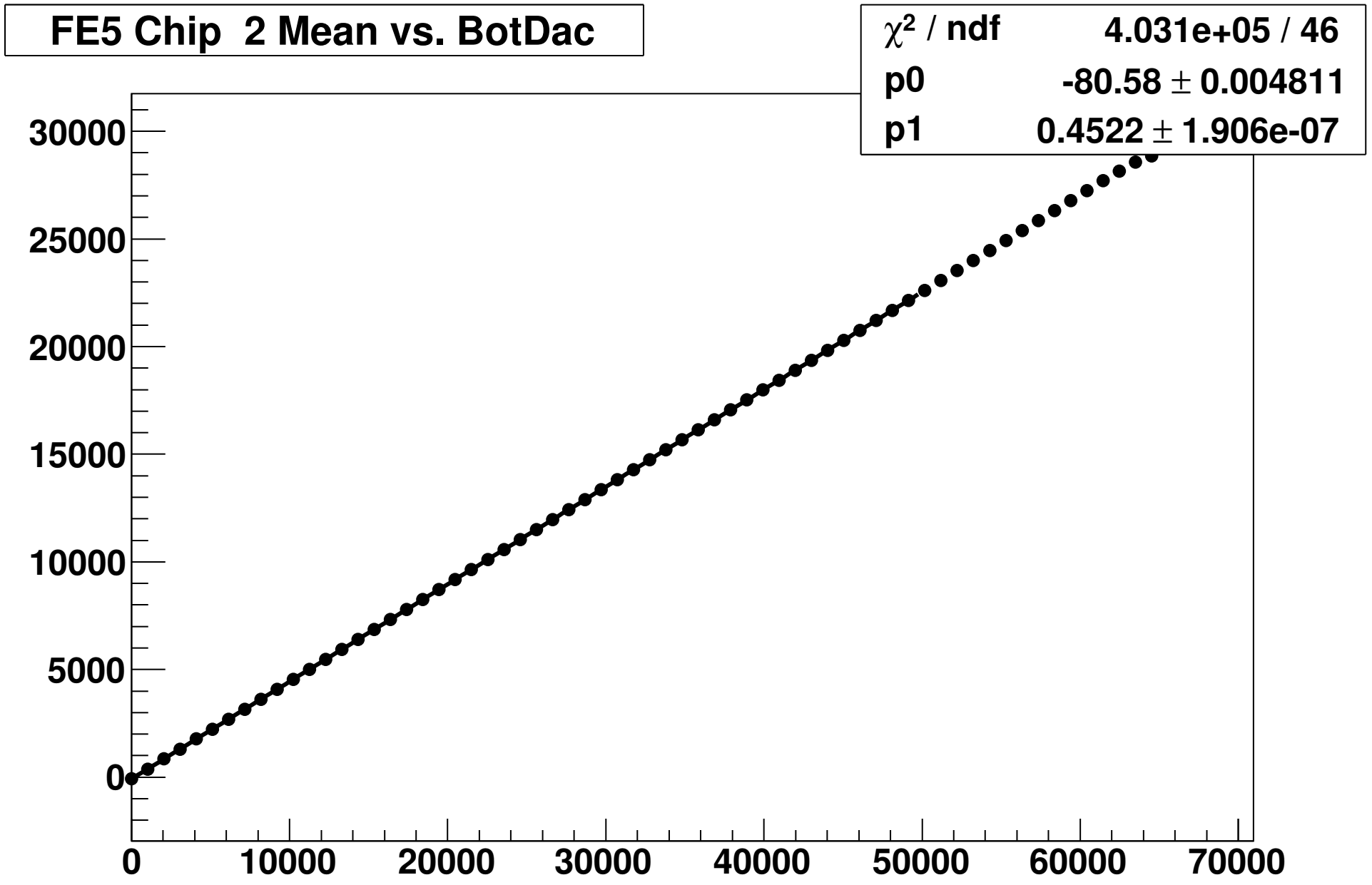

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 45.08 / 46
p0 1.492 ± 0.002429
p1 3.872e-06 ± 8.491e-07
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. BotDac
χ² / ndf 4.031e+05 / 46
p0 -80.58 ± 0.004811
p1 0.4522 ± 1.906e-07
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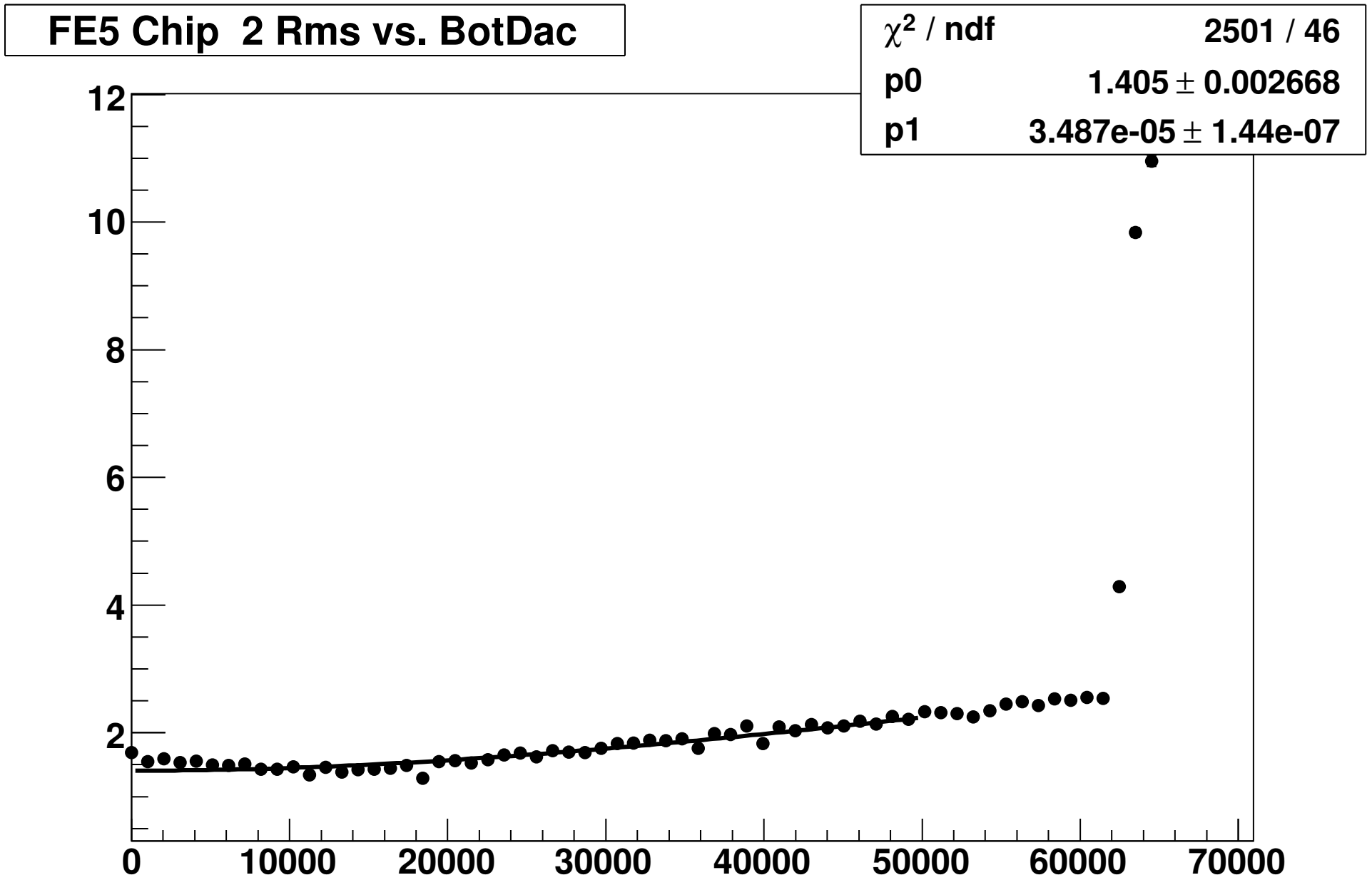
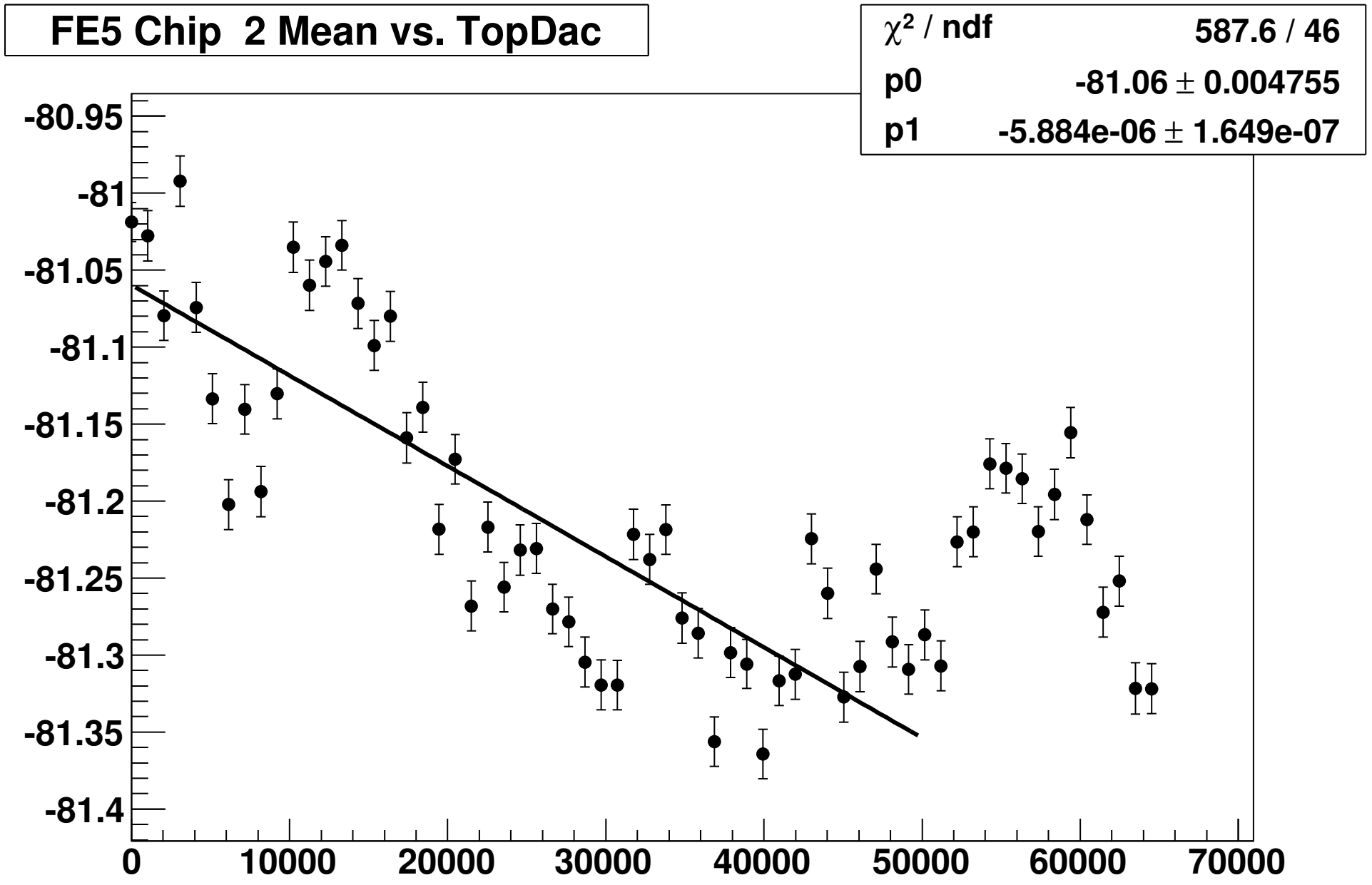
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Rms vs. BotDac
χ² / ndf 2501 / 46
p0 1.405 ± 0.002668
p1 3.487e-05 ± 1.44e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 2 Mean vs. TopDac
χ² / ndf 587.6 / 46
p0 -81.06 ± 0.004755
p1 -5.884e-06 ± 1.649e-07
-80.95
-81
-81.05
-81.1
-81.15
-81.2
-81.25
-81.3
-81.35
-81.4
0
10000
20000
30000
40000
50000
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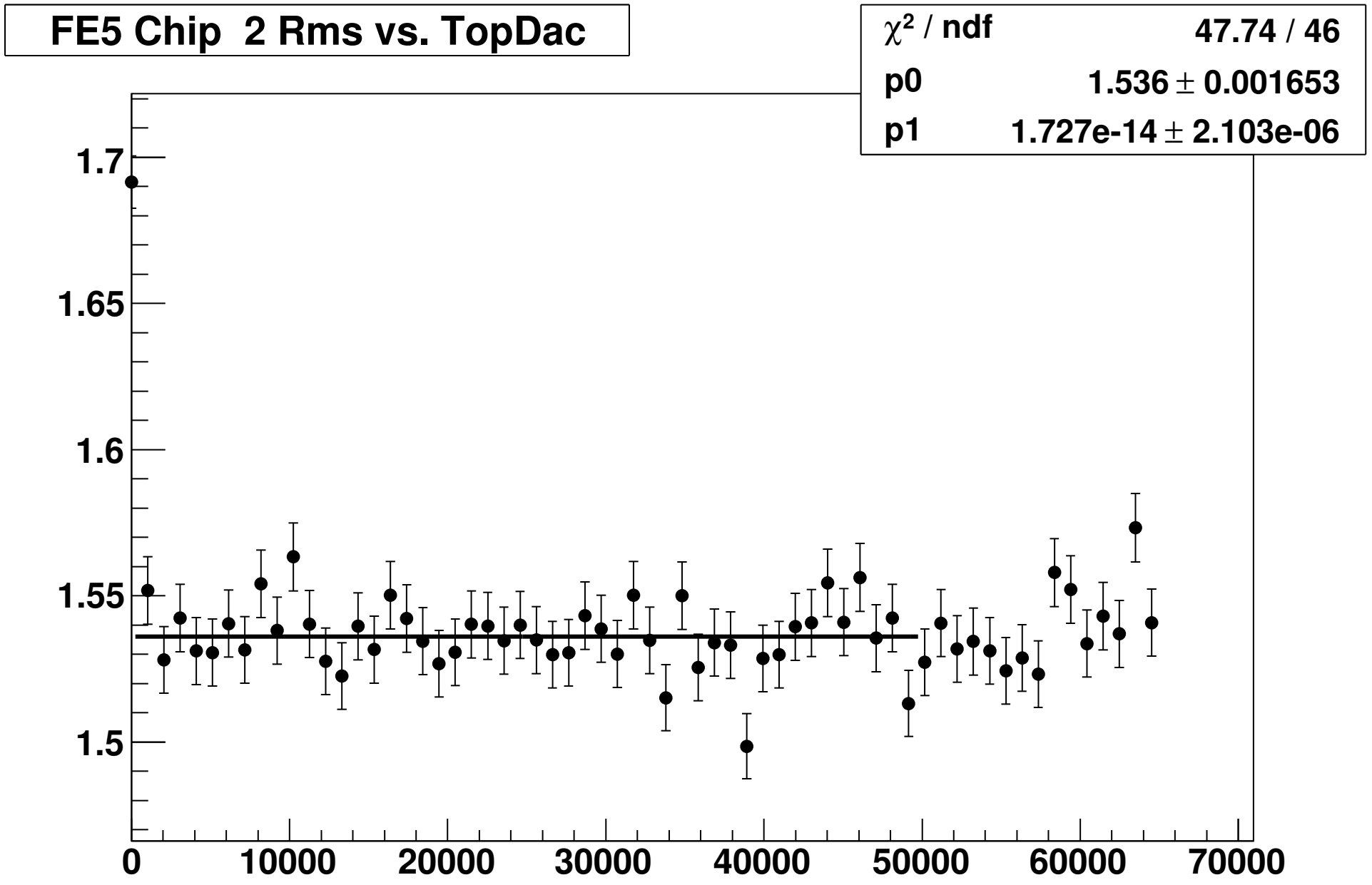
FE5 Chip 2 Rms vs. TopDac
χ² / ndf 47.74 / 46
p0 1.536 ± 0.001653
p1 1.727e-14 ± 2.103e-06
1.7
1.65
1.6
1.55
1.5
0
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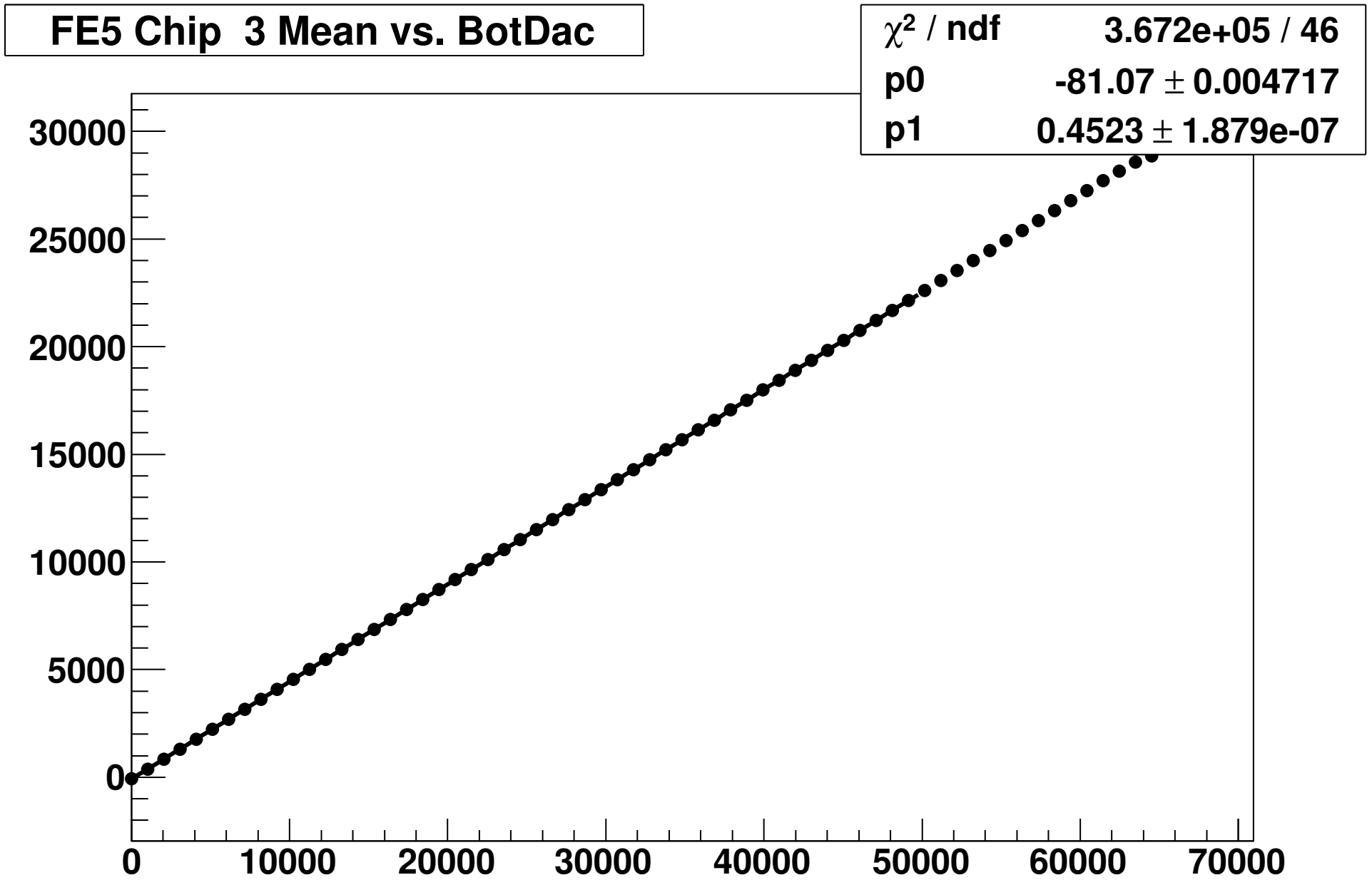
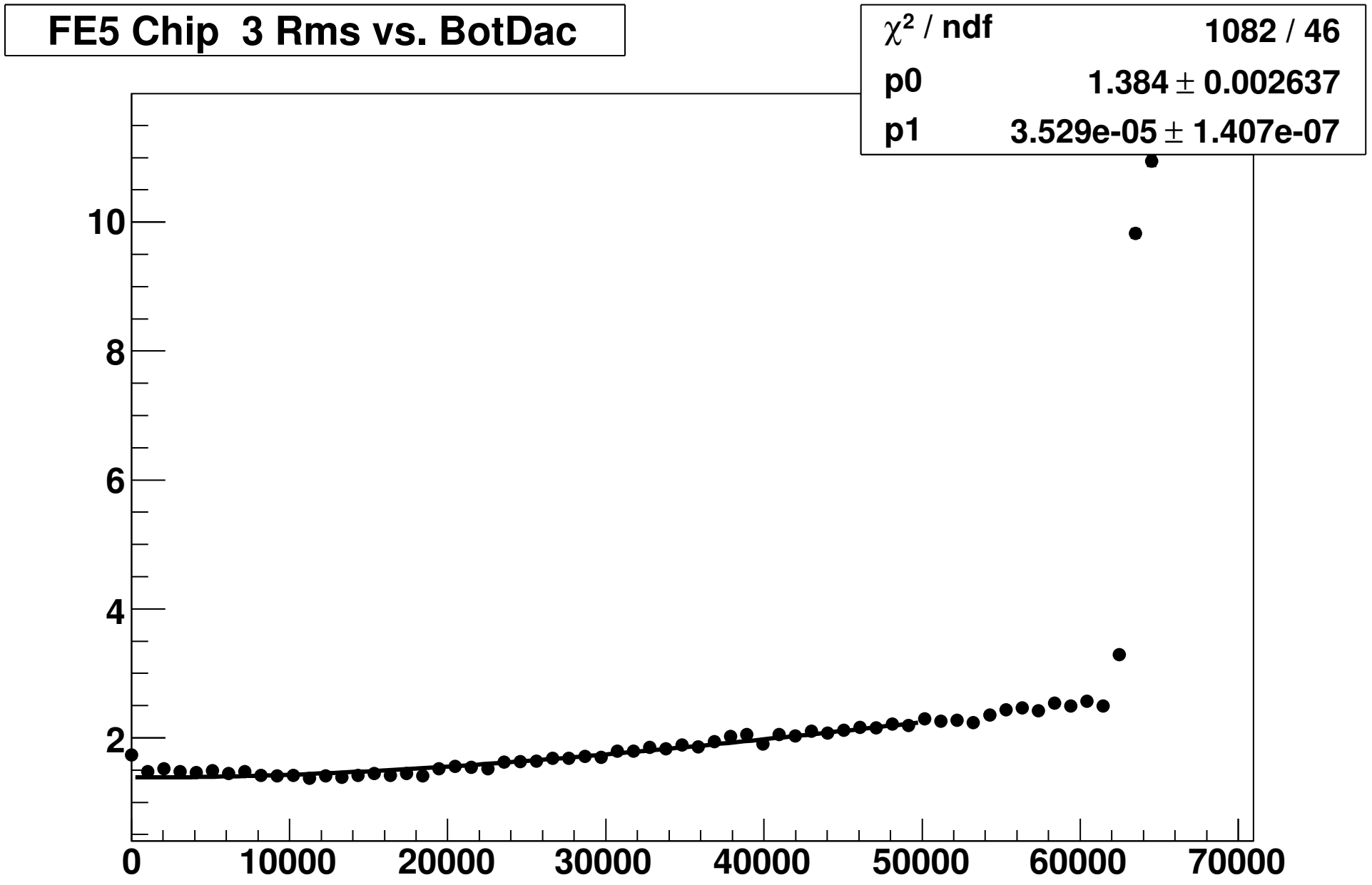
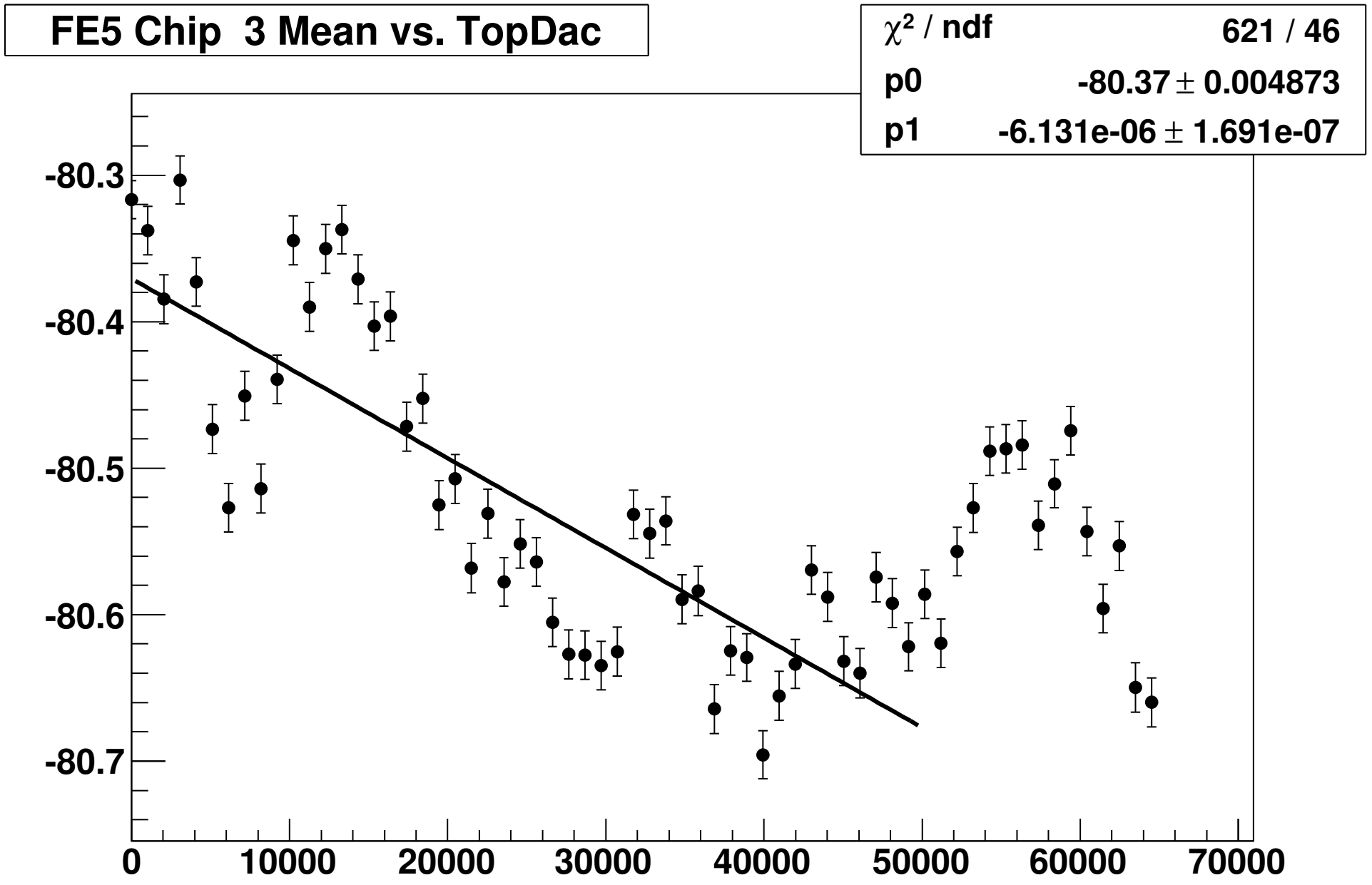
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. BotDac
χ² / ndf 3.672e+05 / 46
p0 -81.07 ± 0.004717
p1 0.4523 ± 1.879e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1082 / 46
p0 1.384 ± 0.002637
p1 3.529e-05 ± 1.407e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 3 Mean vs. TopDac
χ² / ndf 621 / 46
p0 -80.37 ± 0.004873
p1 -6.131e-06 ± 1.691e-07
-80.3
-80.4
-80.5
-80.6
-80.7
0
10000
20000
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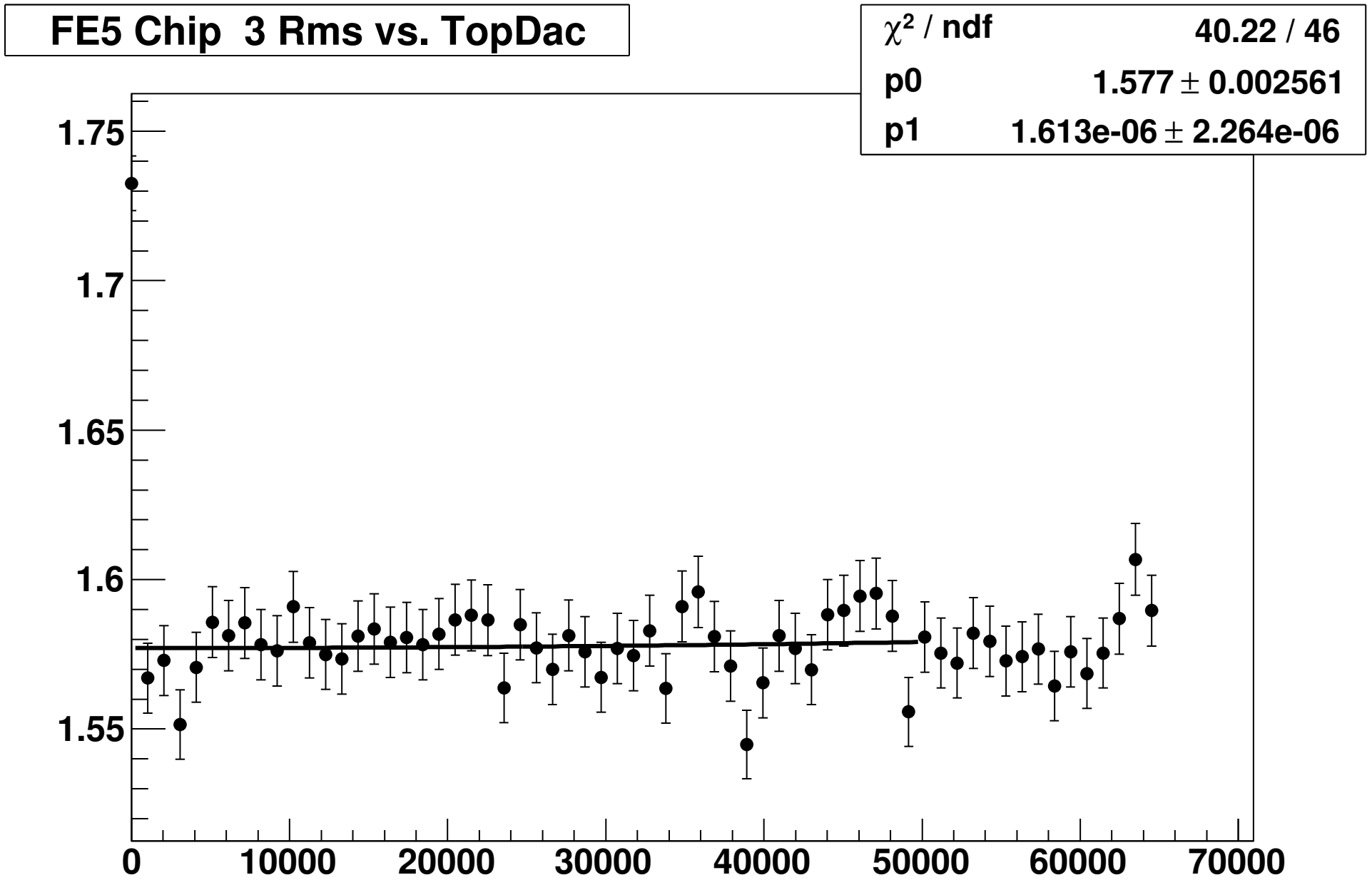
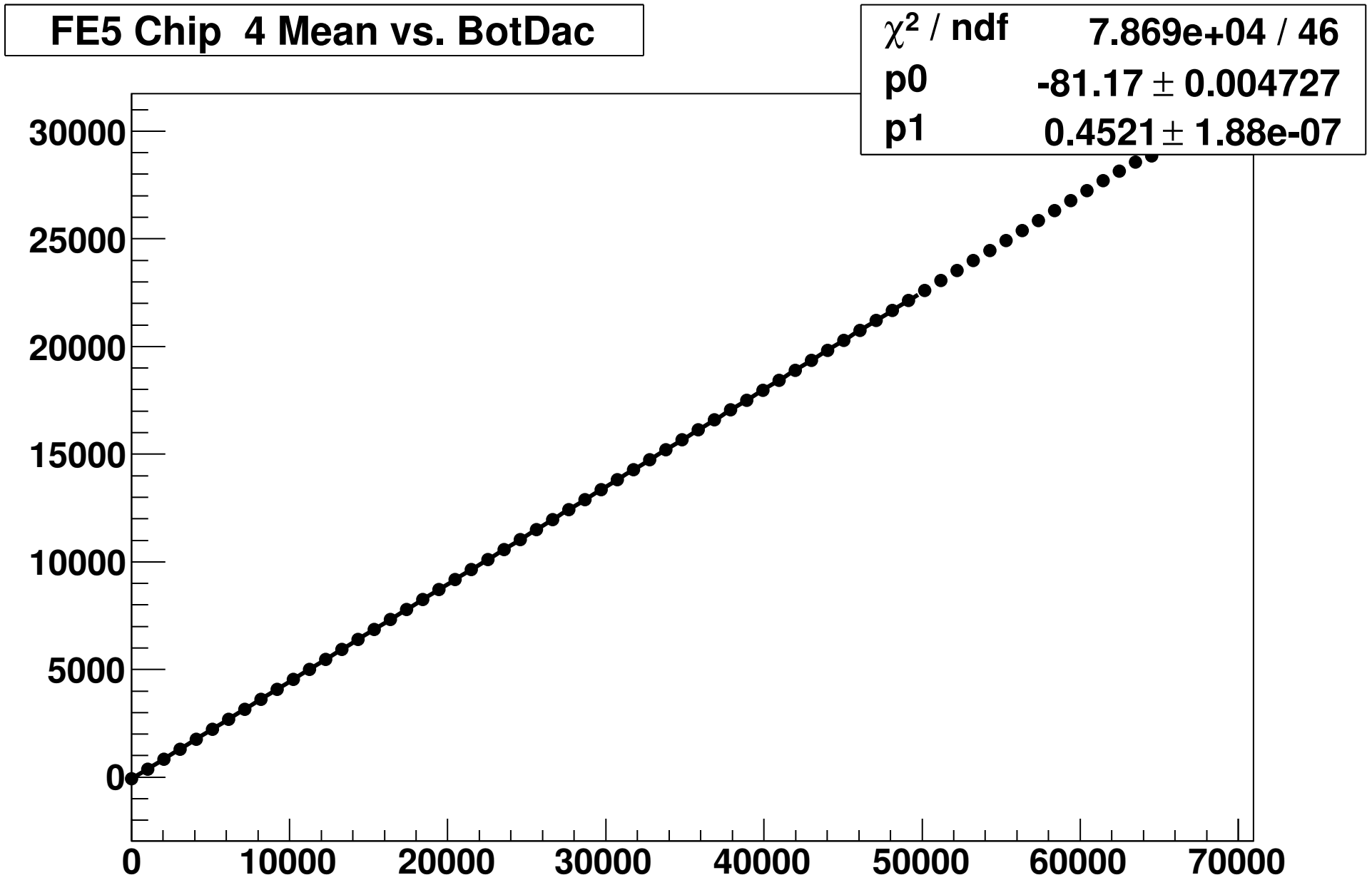
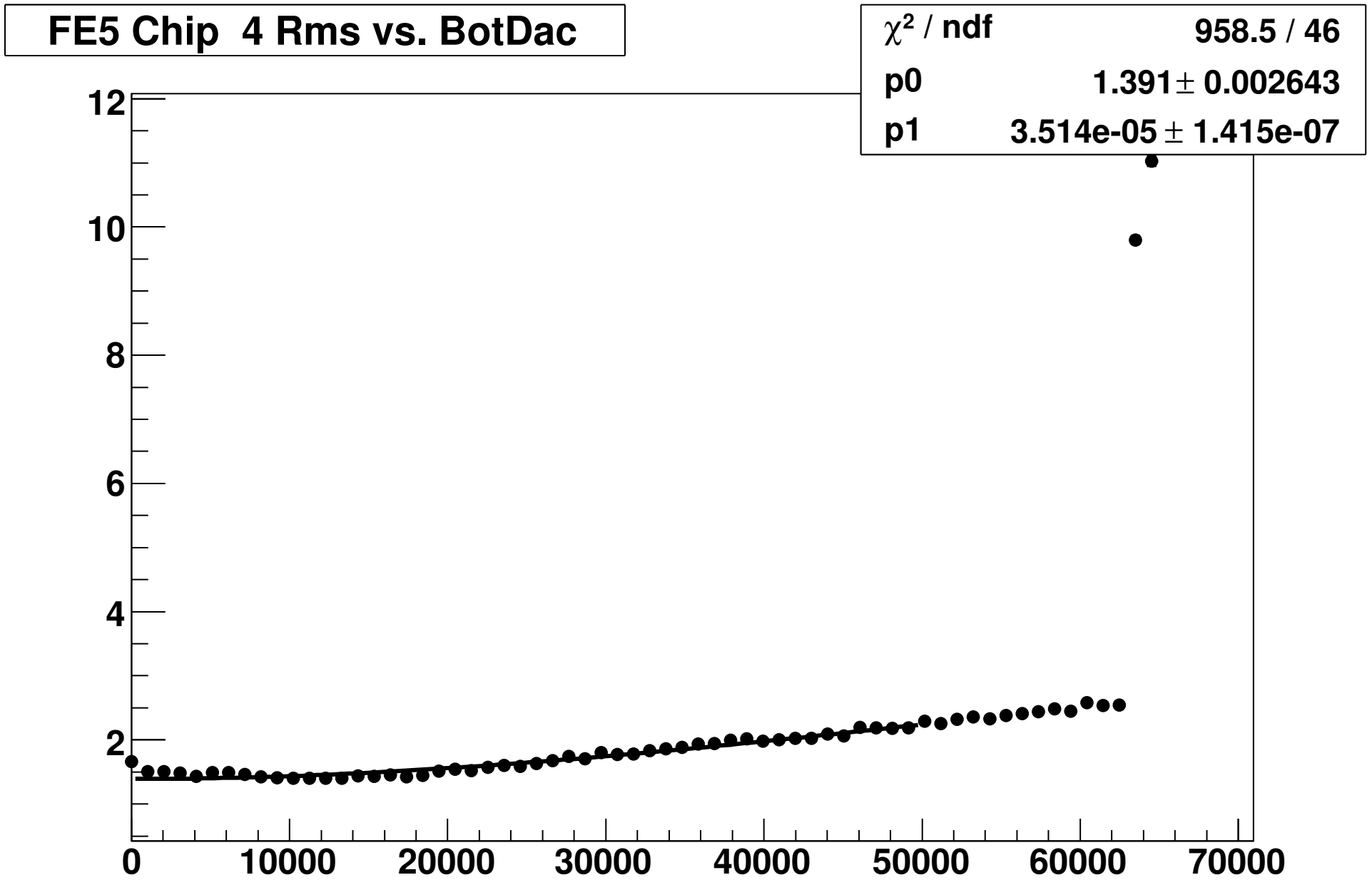
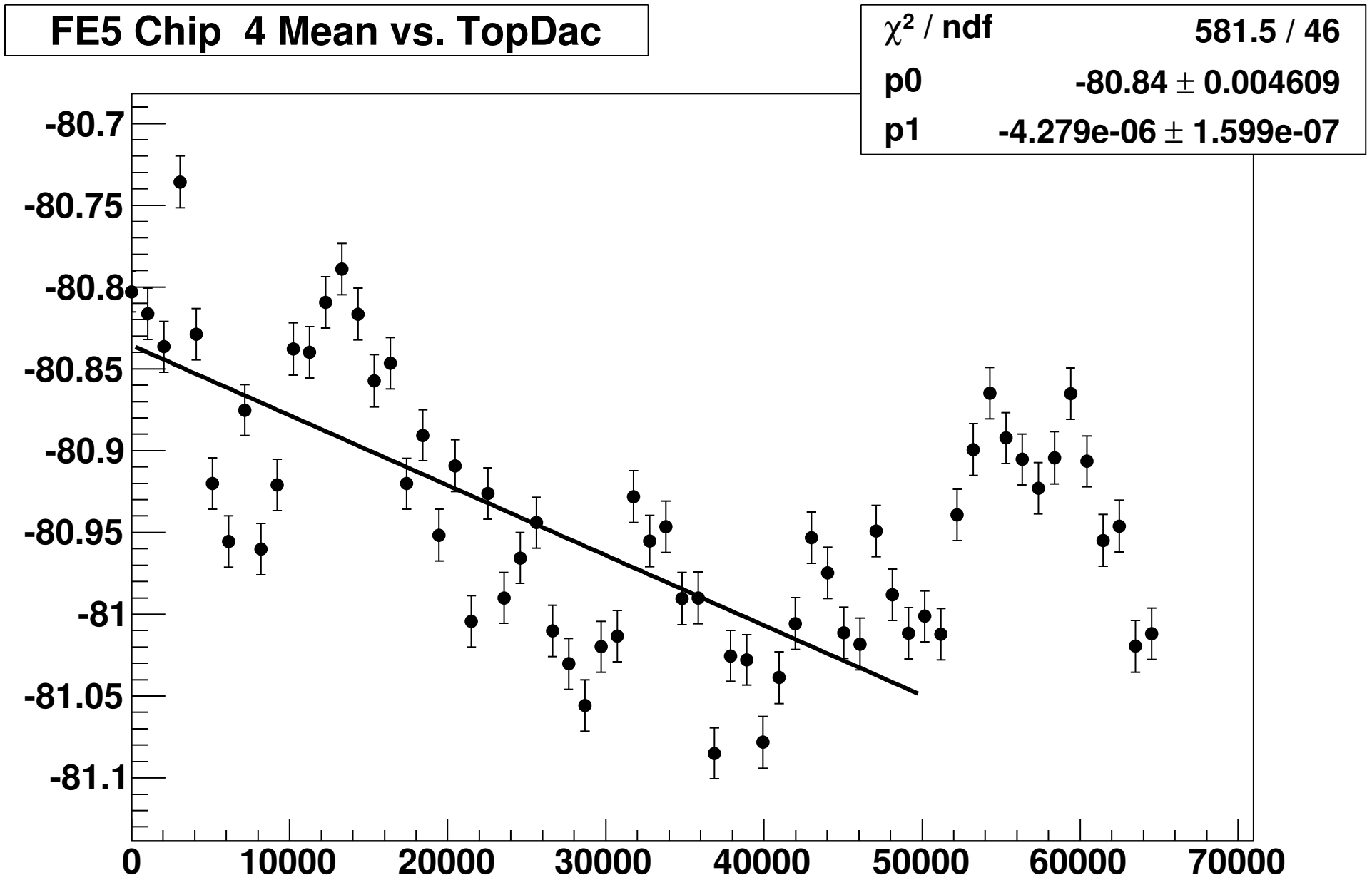
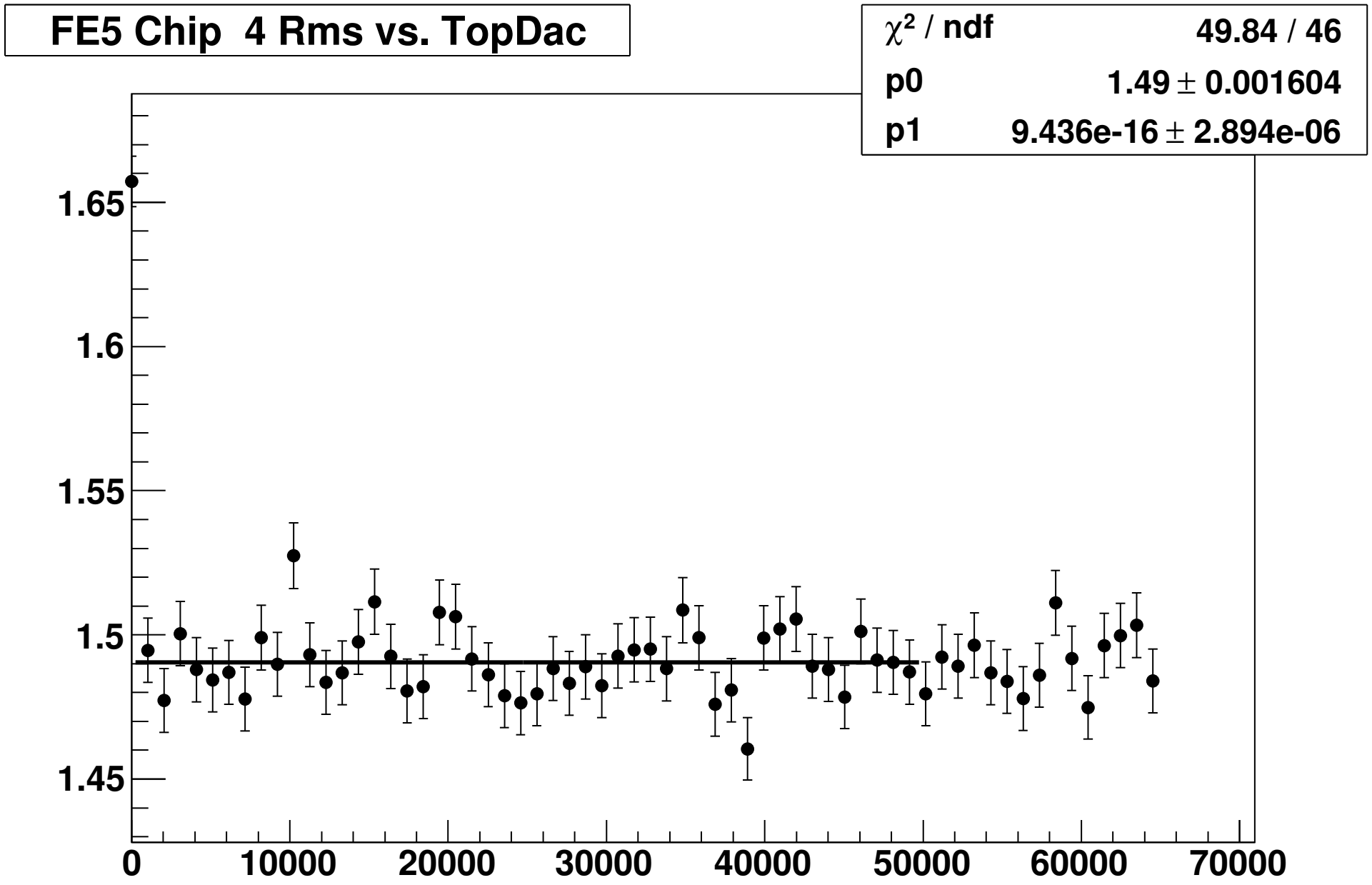
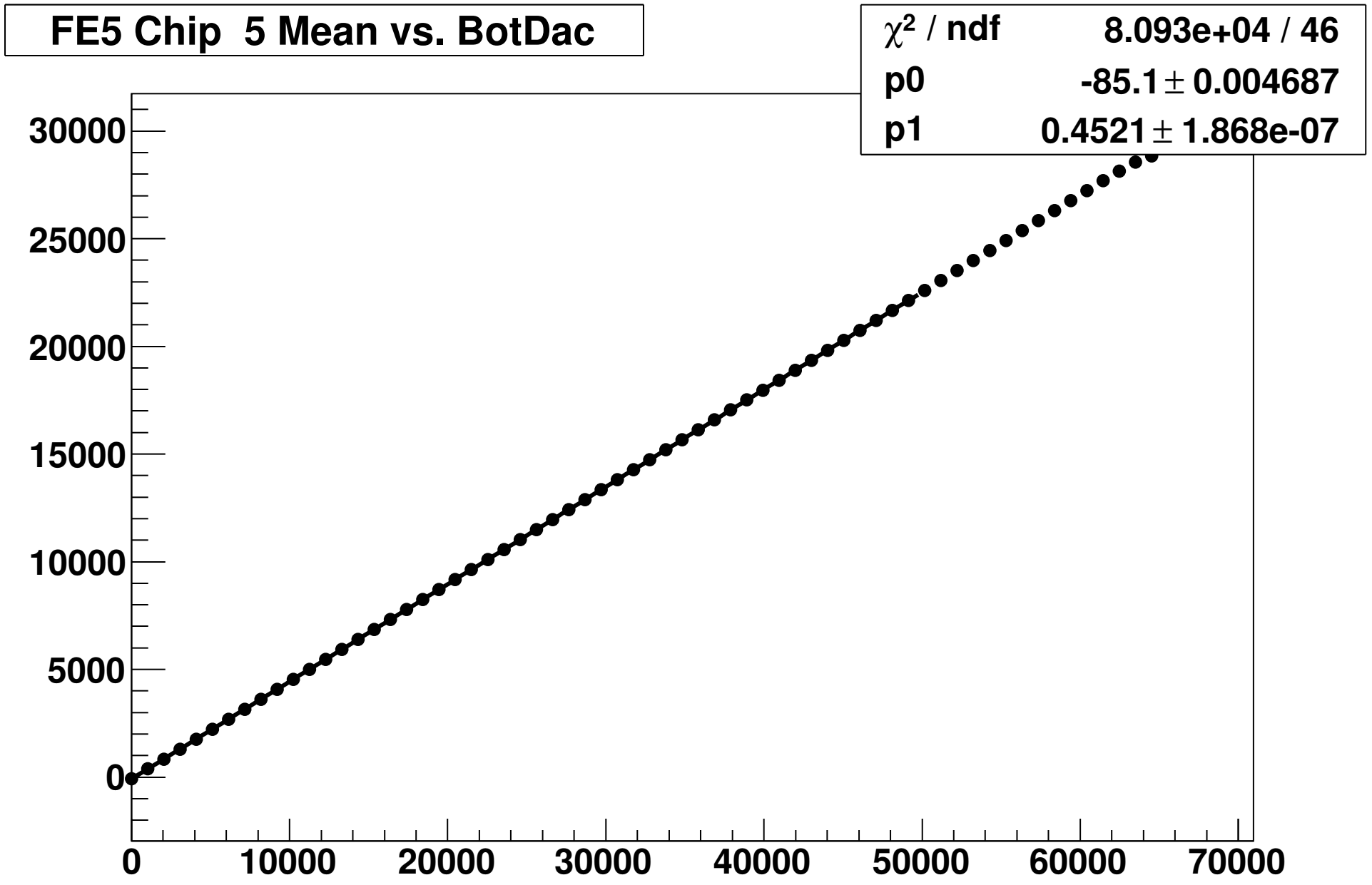

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 40.22 / 46
p0 1.577 ± 0.002561
p1 1.613e-06 ± 2.264e-06
1.75
1.7
1.65
1.6
1.55
0
10000
20000
30000
40000
50000
60000
70000

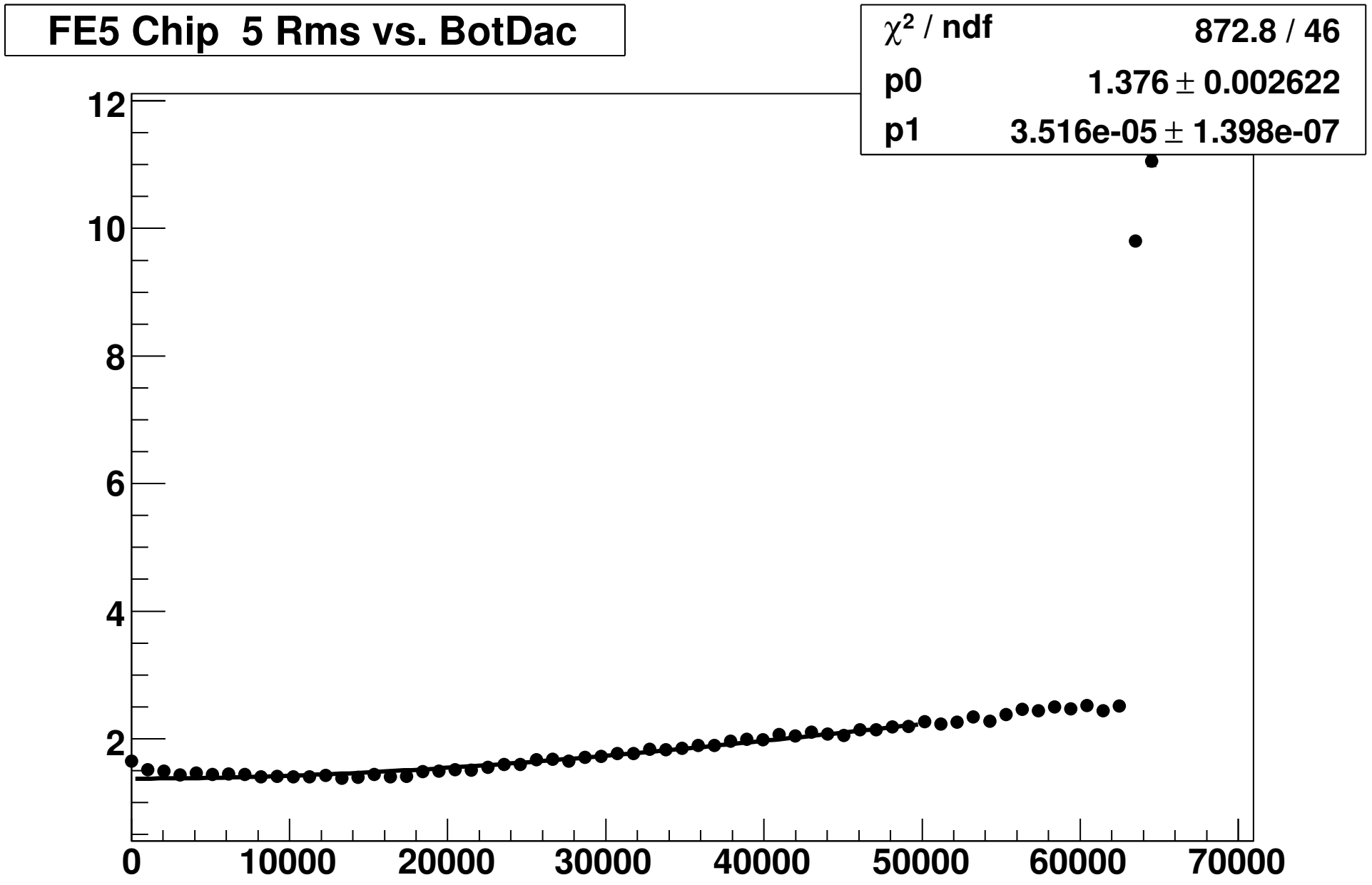

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 7.869e+04 / 46
p0 -81.17 ± 0.004727
p1 0.4521 ± 1.88e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

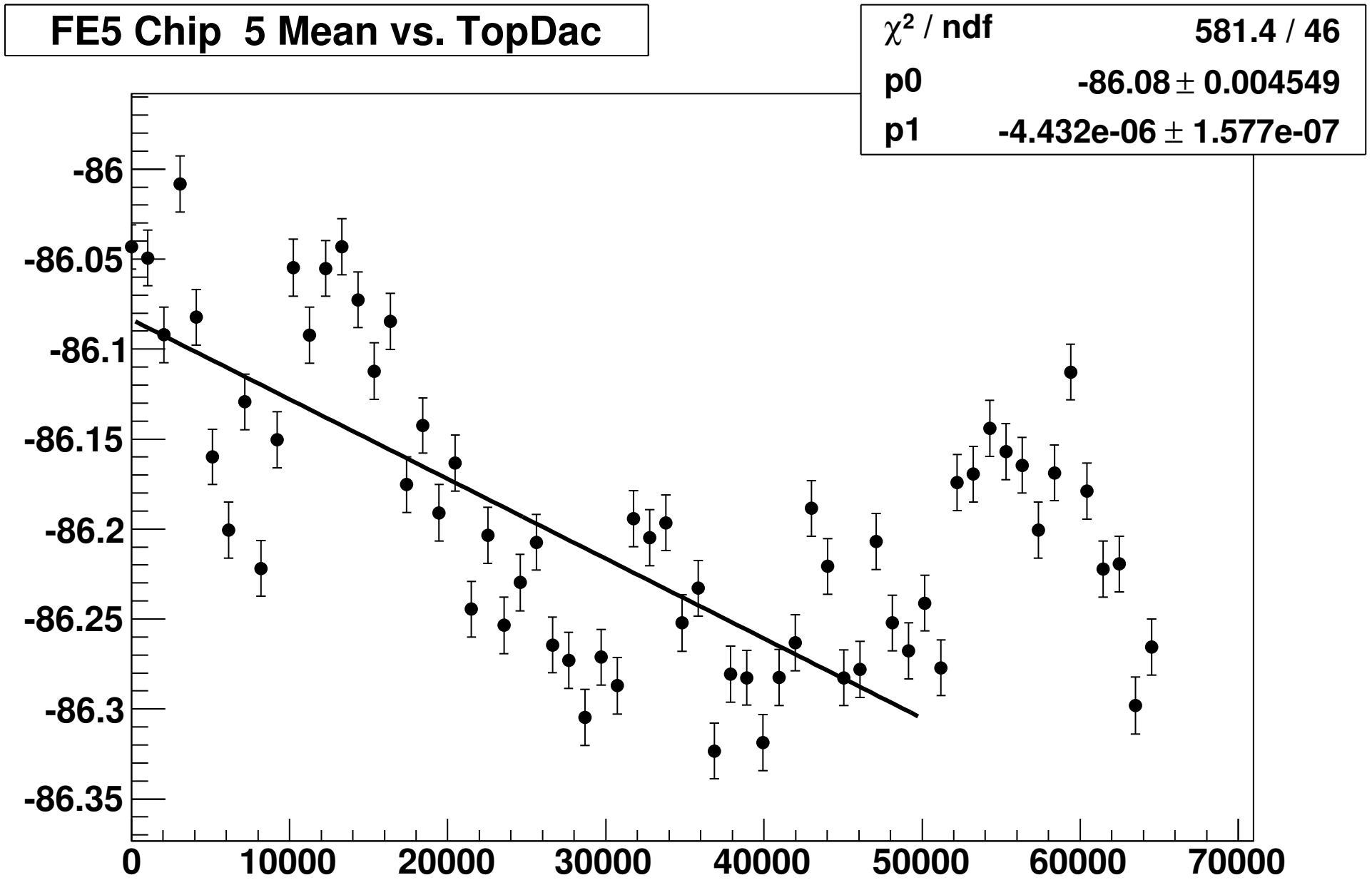

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 958.5 / 46
p0 1.391 ± 0.002643
p1 3.514e-05 ± 1.415e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

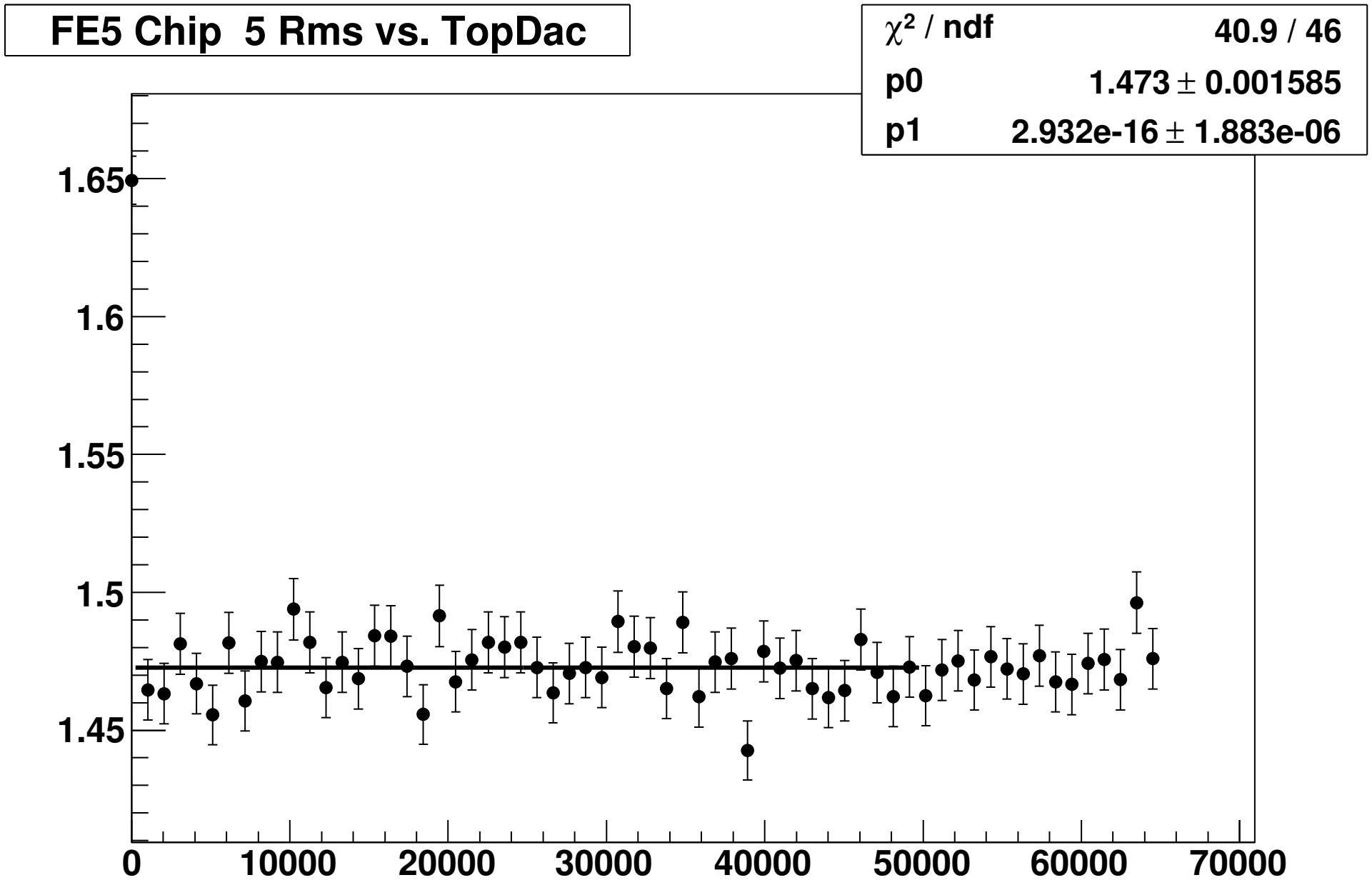

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 581.5 / 46
p0 -80.84 ± 0.004609
p1 -4.279e-06 ± 1.599e-07
-80.7
-80.75
-80.8
-80.85
-80.9
-80.95
-81
-81.05
-81.1
0
10000
20000
30000
40000
50000
60000
70000

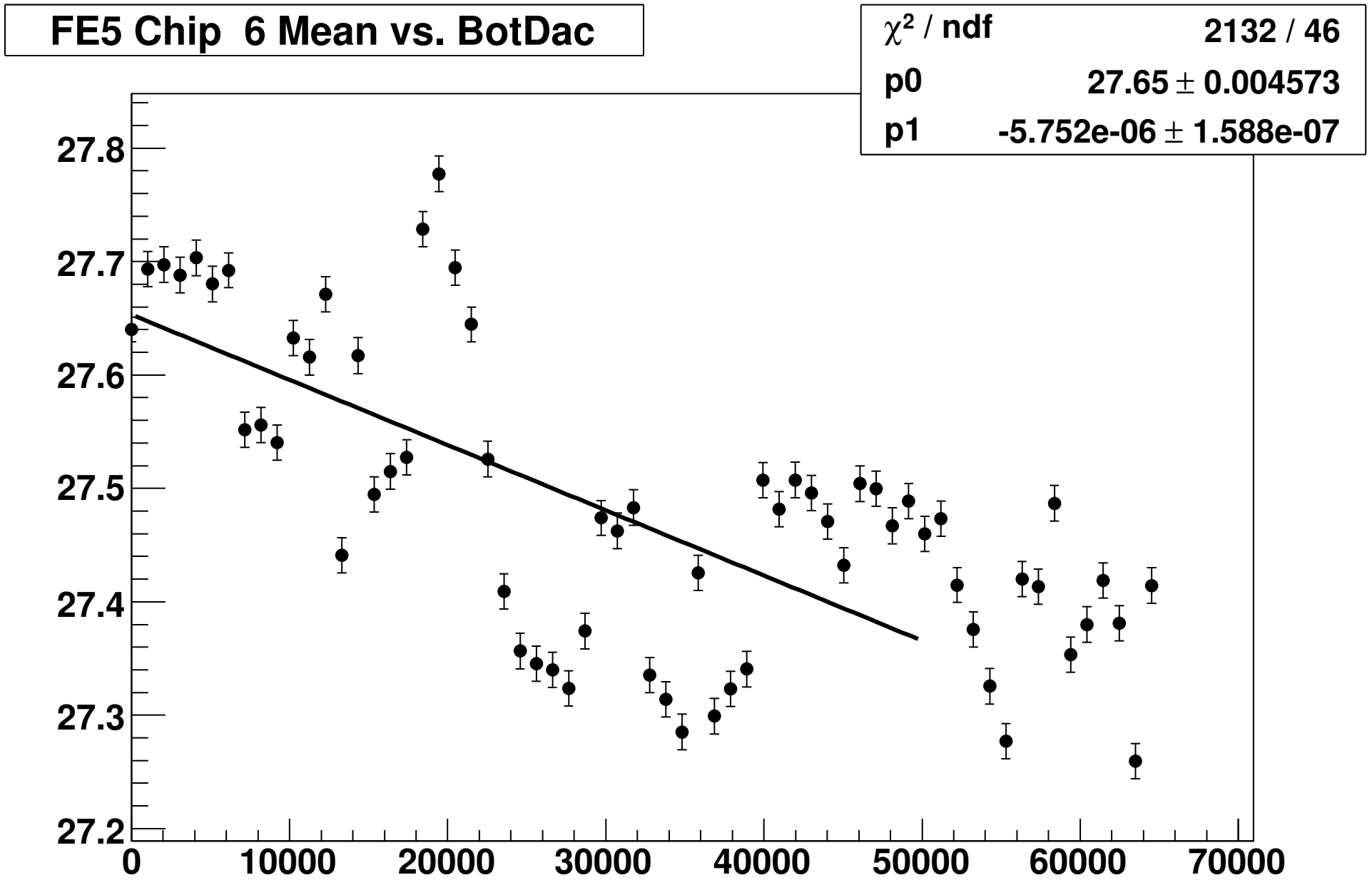

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 49.84 / 46
p0 1.49 ± 0.001604
p1 9.436e-16 ± 2.894e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. BotDac
χ² / ndf 8.093e+04 / 46
p0 -85.1 ± 0.004687
p1 0.4521 ± 1.868e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. BotDac
χ² / ndf 872.8 / 46
p0 1.376 ± 0.002622
p1 3.516e-05 ± 1.398e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Mean vs. TopDac
χ² / ndf 581.4 / 46
p0 -86.08 ± 0.004549
p1 -4.432e-06 ± 1.577e-07
-86
-86.05
-86.1
-86.15
-86.2
-86.25
-86.3
-86.35
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 5 Rms vs. TopDac
χ² / ndf 40.9 / 46
p0 1.473 ± 0.001585
p1 2.932e-16 ± 1.883e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 6 Mean vs. BotDac
χ² / ndf 2132 / 46
p0 27.65 ± 0.004573
p1 -5.752e-06 ± 1.588e-07
27.8
27.7
27.6
27.5
27.4
27.3
27.2
0
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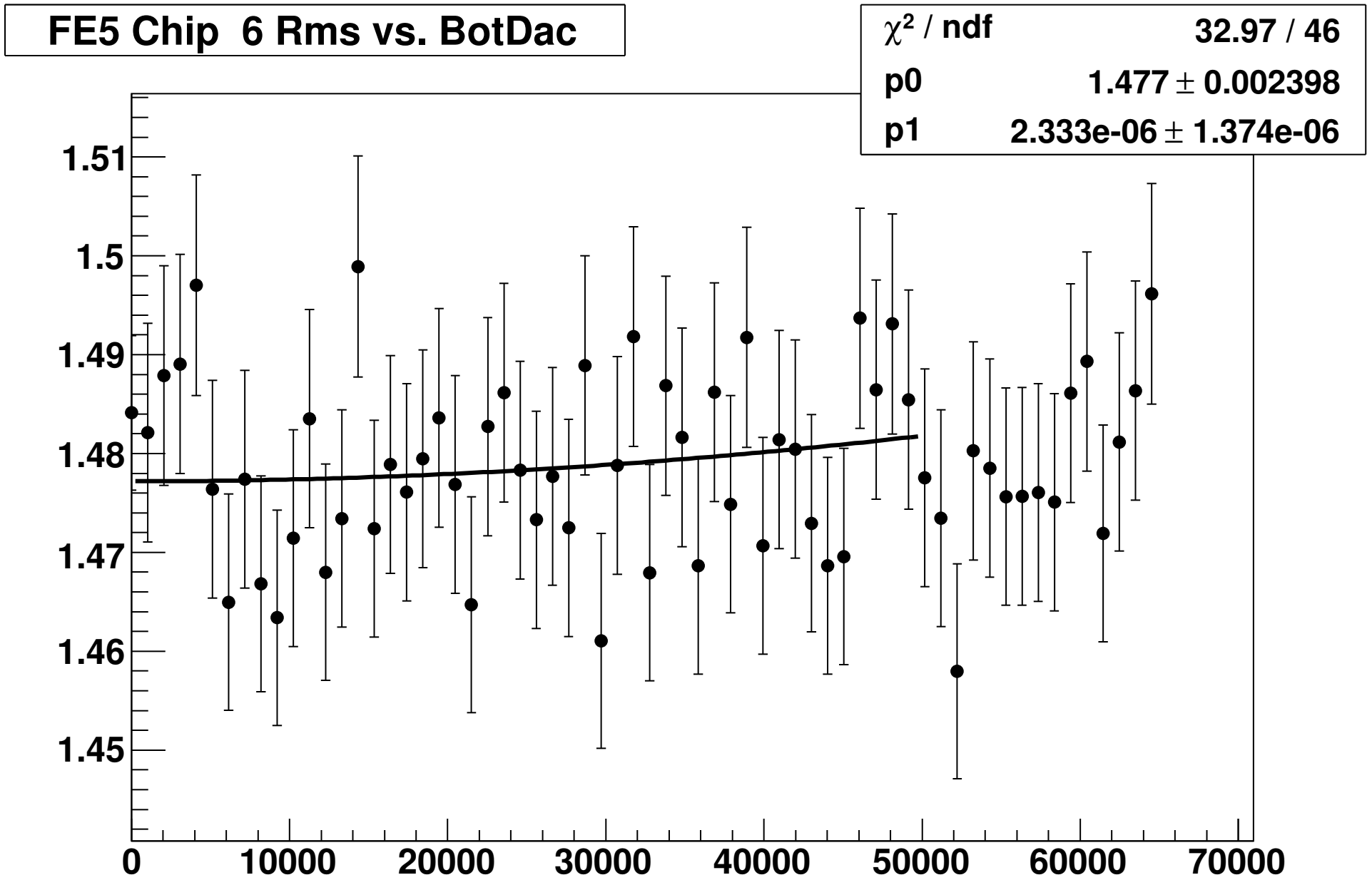
FE5 Chip 6 Rms vs. BotDac
χ² / ndf 32.97 / 46
p0 1.477 ± 0.002398
p1 2.333e-06 ± 1.374e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
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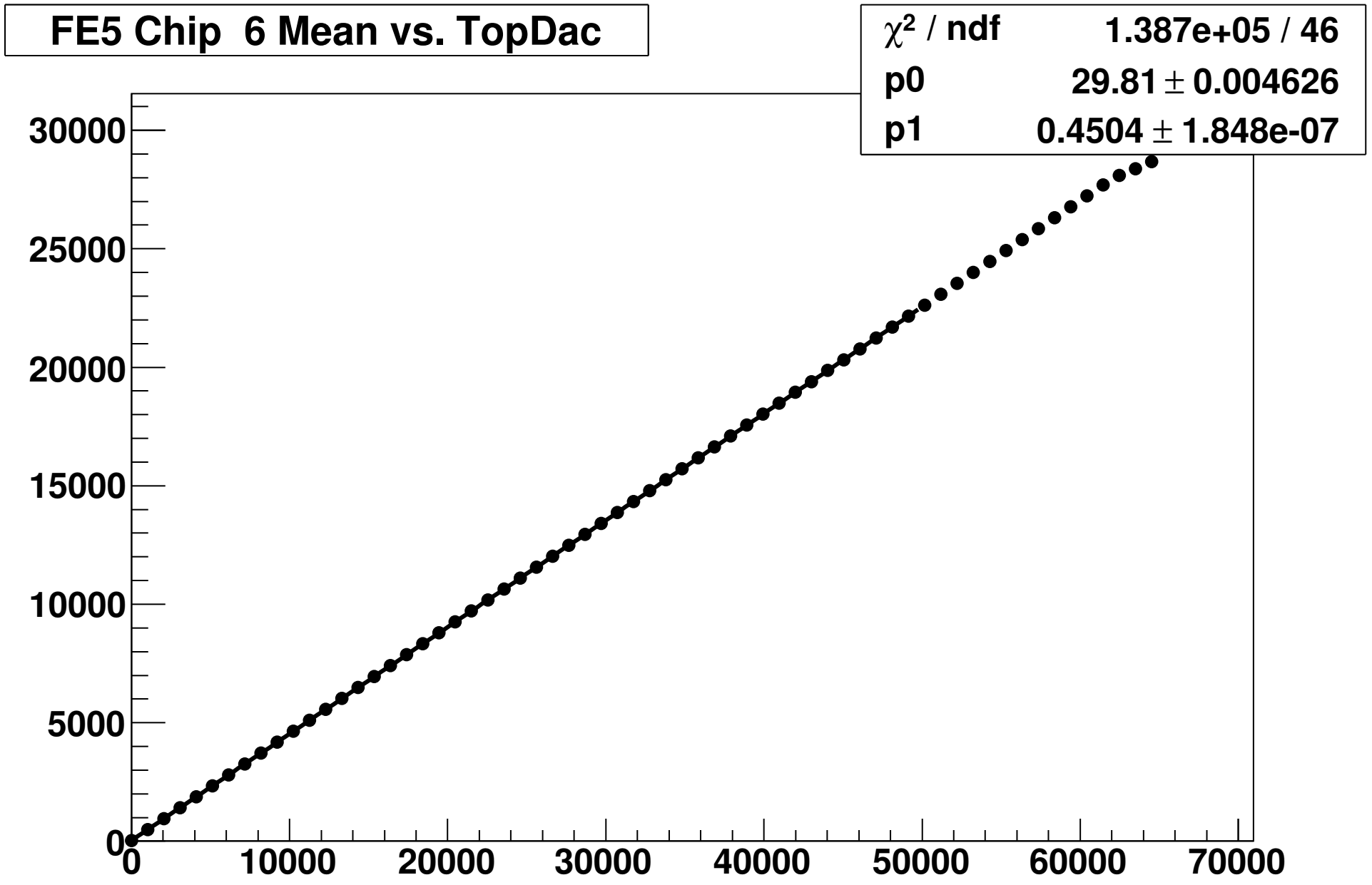
FE5 Chip 6 Mean vs. TopDac
χ² / ndf 1.387e+05 / 46
p0 29.81 ± 0.004626
p1 0.4504 ± 1.848e-07
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20000
15000
10000
5000
0
0
10000
20000
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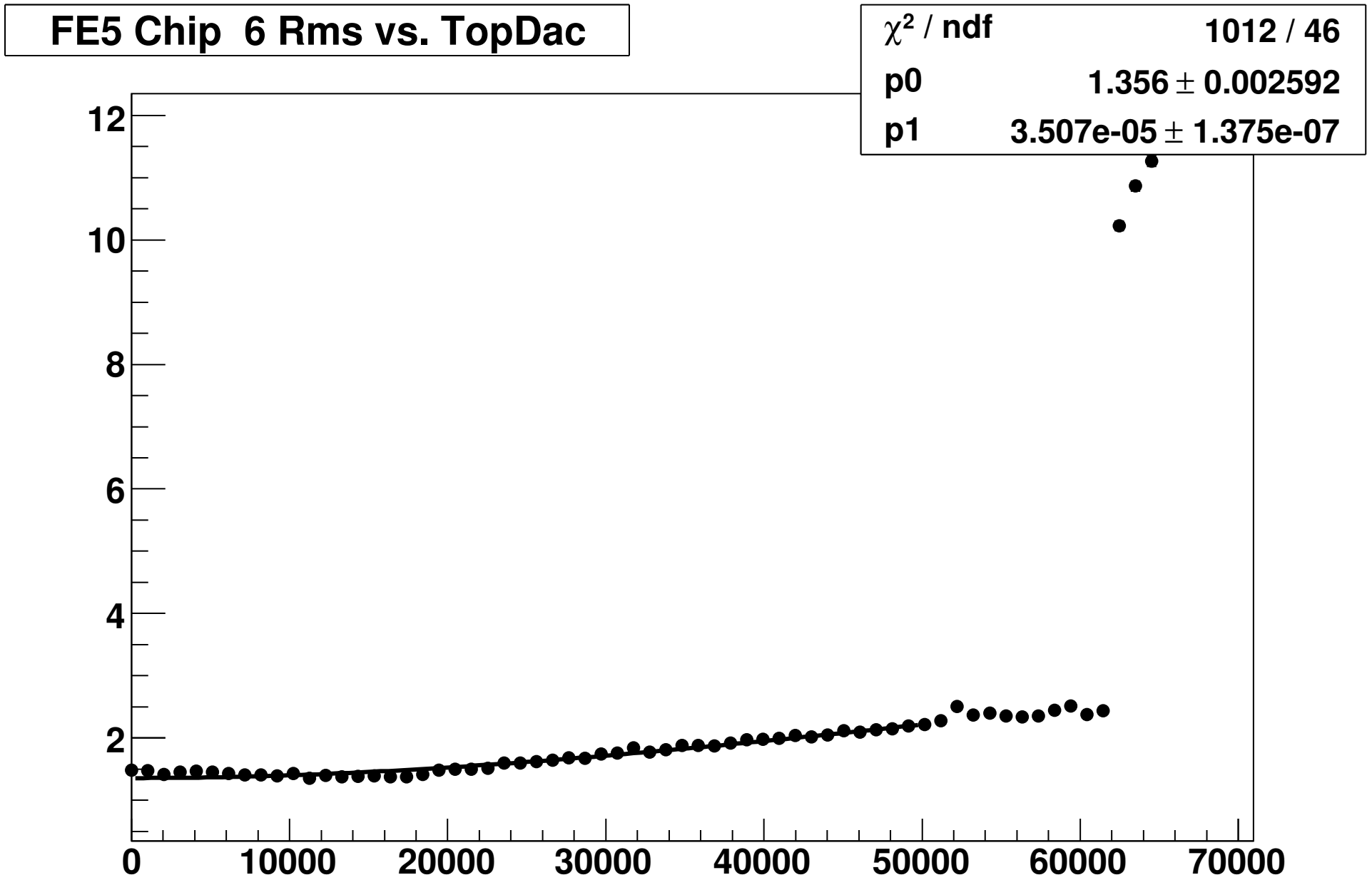
FE5 Chip 6 Rms vs. TopDac
χ² / ndf 1012 / 46
p0 1.356 ± 0.002592
p1 3.507e-05 ± 1.375e-07
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10
8
6
4
2
0
10000
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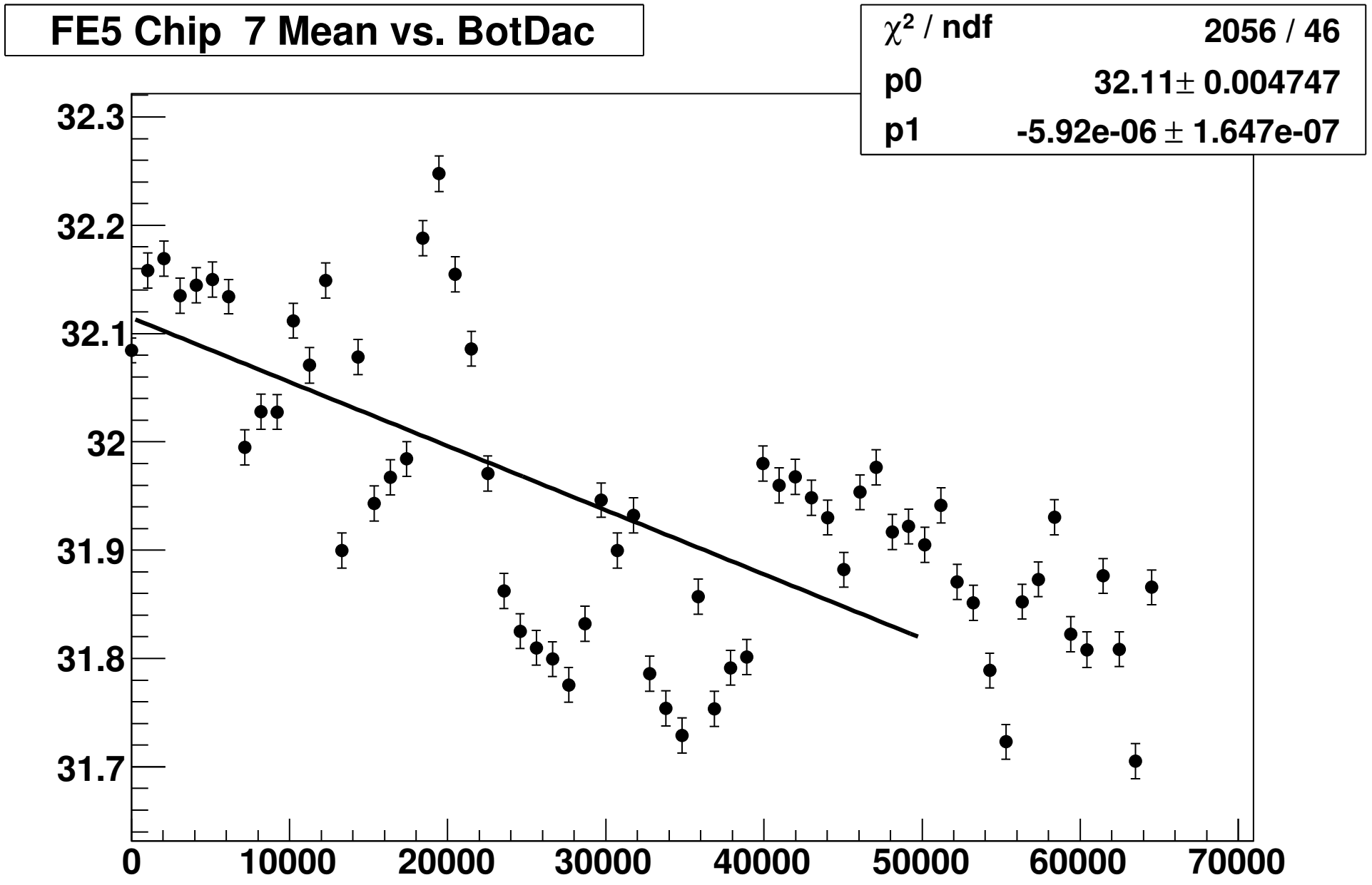
60000
70000


FE5 Chip 7 Mean vs. BotDac
χ² / ndf 2056 / 46
p0 32.11 ± 0.004747
p1 -5.92e-06 ± 1.647e-07
32.3
32.2
32.1
32
31.9
31.8
31.7
0
10000
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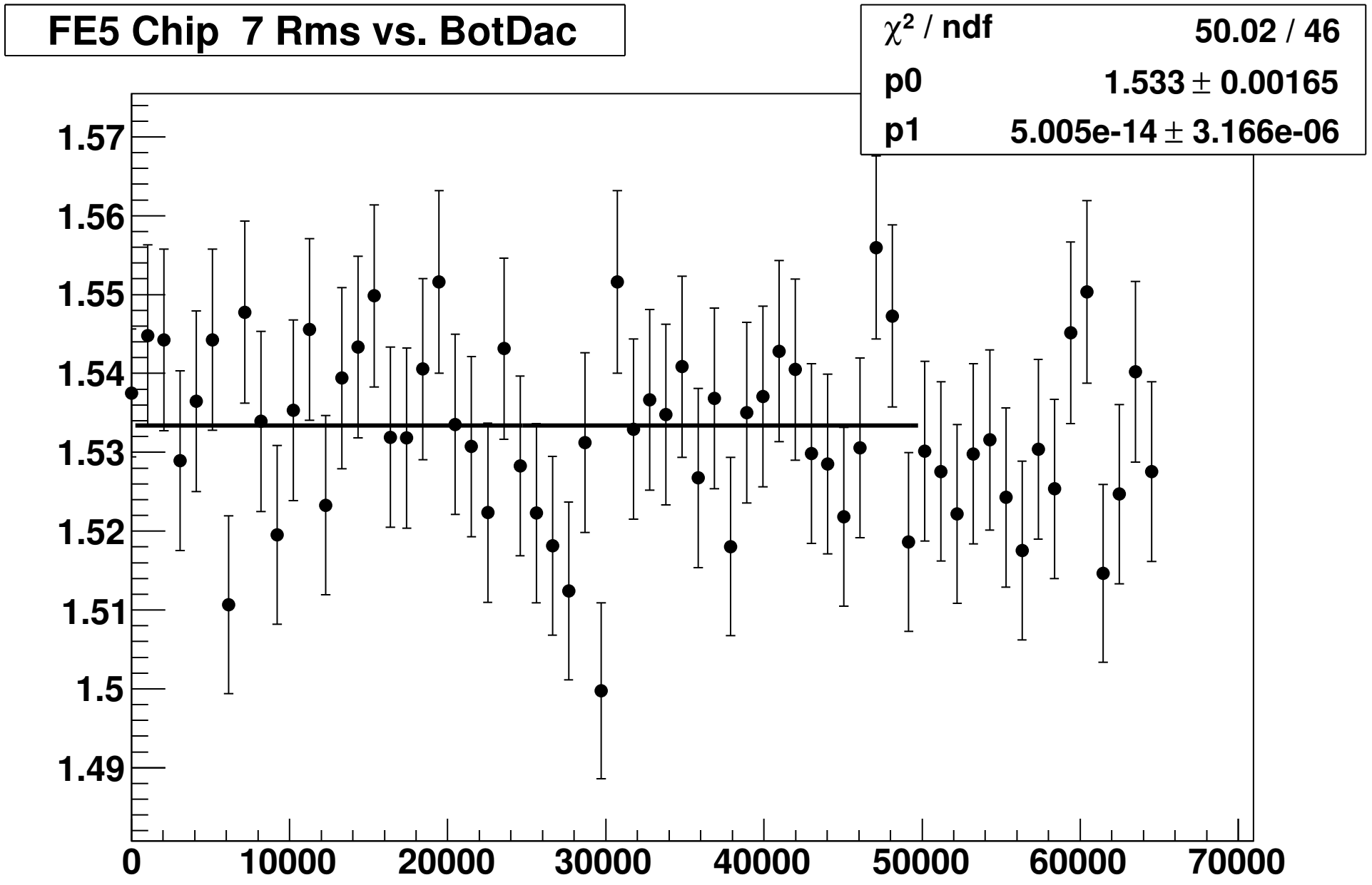
FE5 Chip 7 Rms vs. BotDac
χ² / ndf 50.02 / 46
p0 1.533 ± 0.00165
p1 5.005e-14 ± 3.166e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
0
10000
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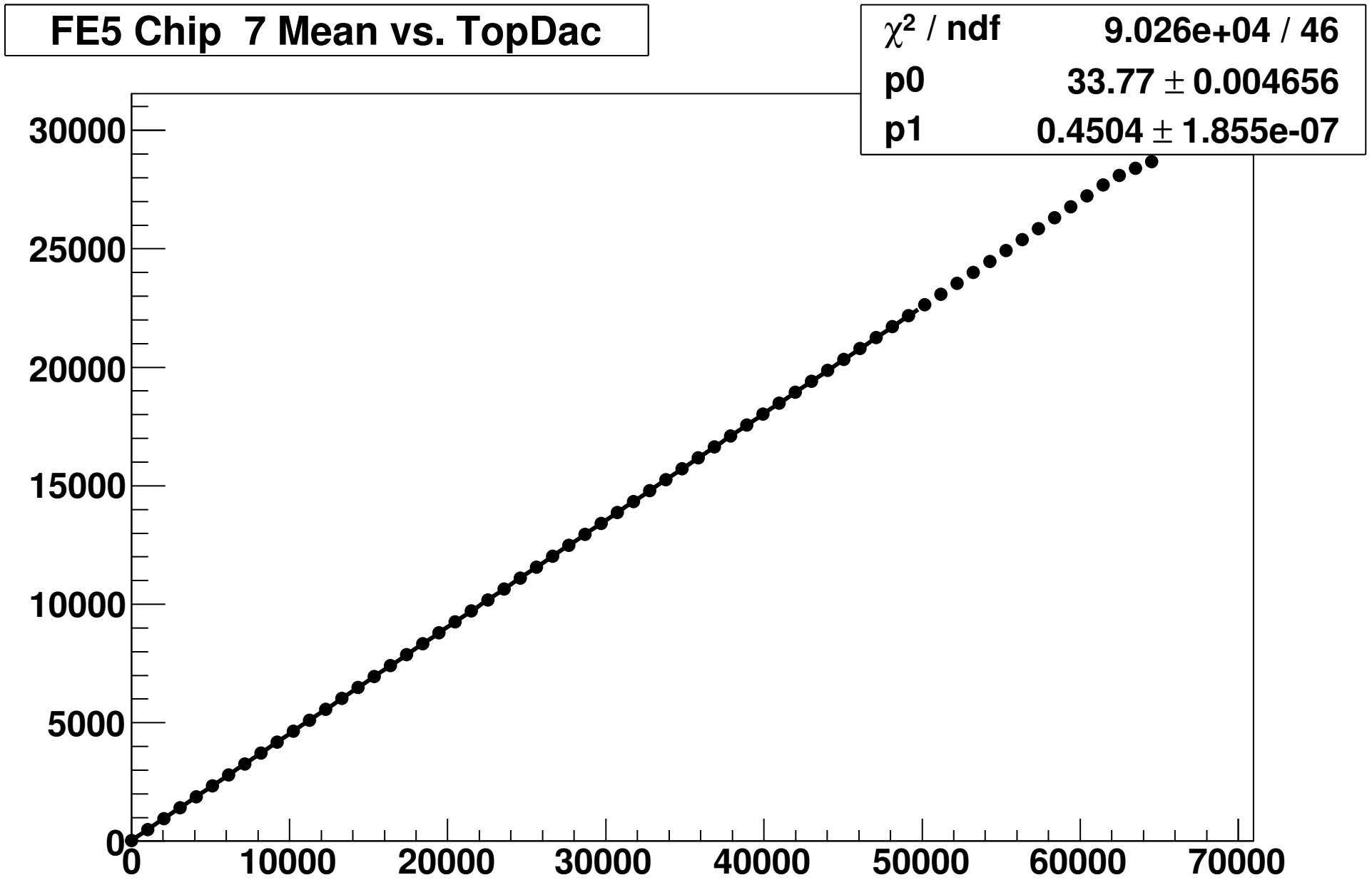
FE5 Chip 7 Mean vs. TopDac
χ² / ndf 9.026e+04 / 46
p0 33.77 ± 0.004656
p1 0.4504 ± 1.855e-07
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15000
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5000
0
0
10000
20000
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40000
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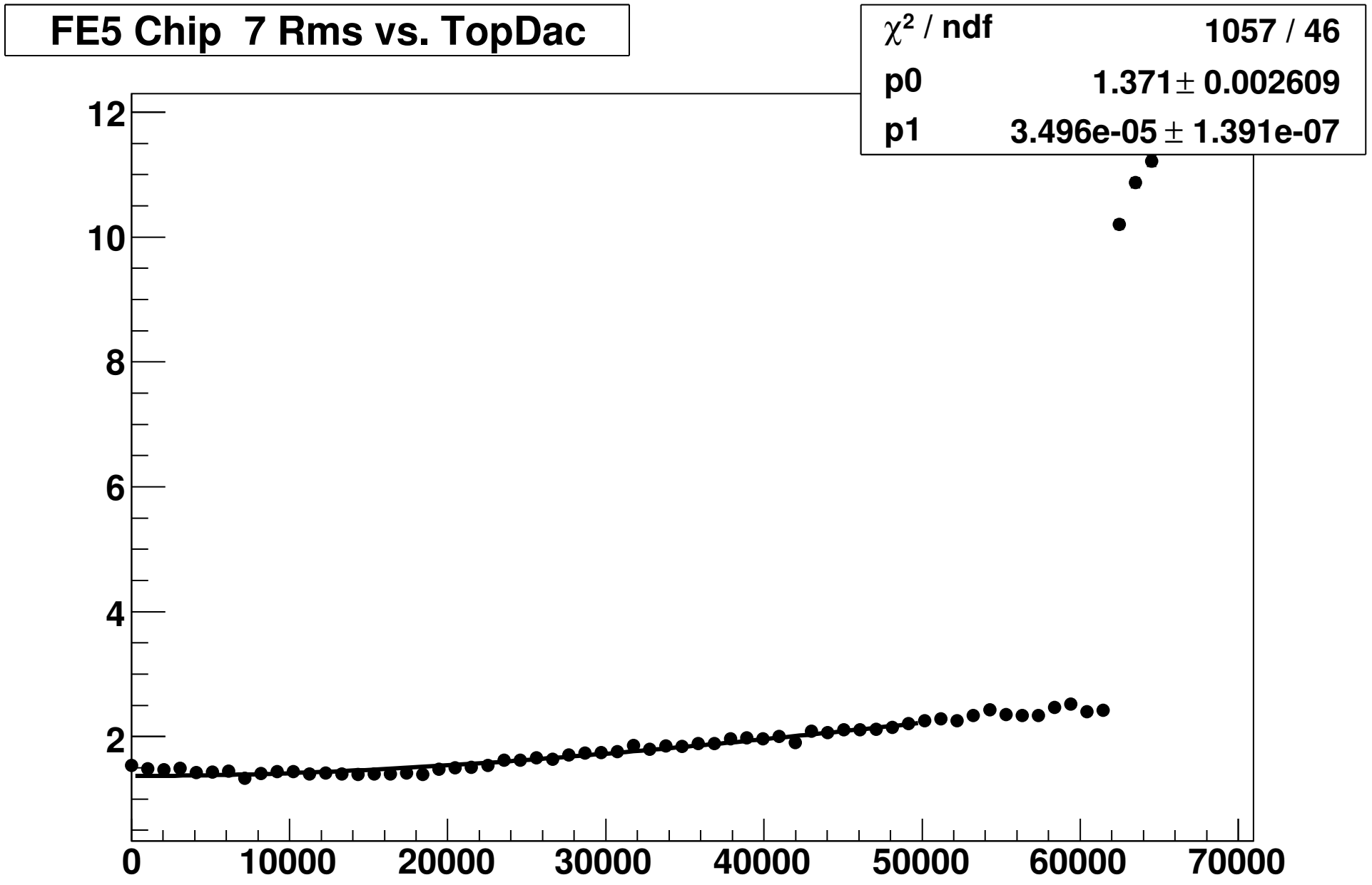
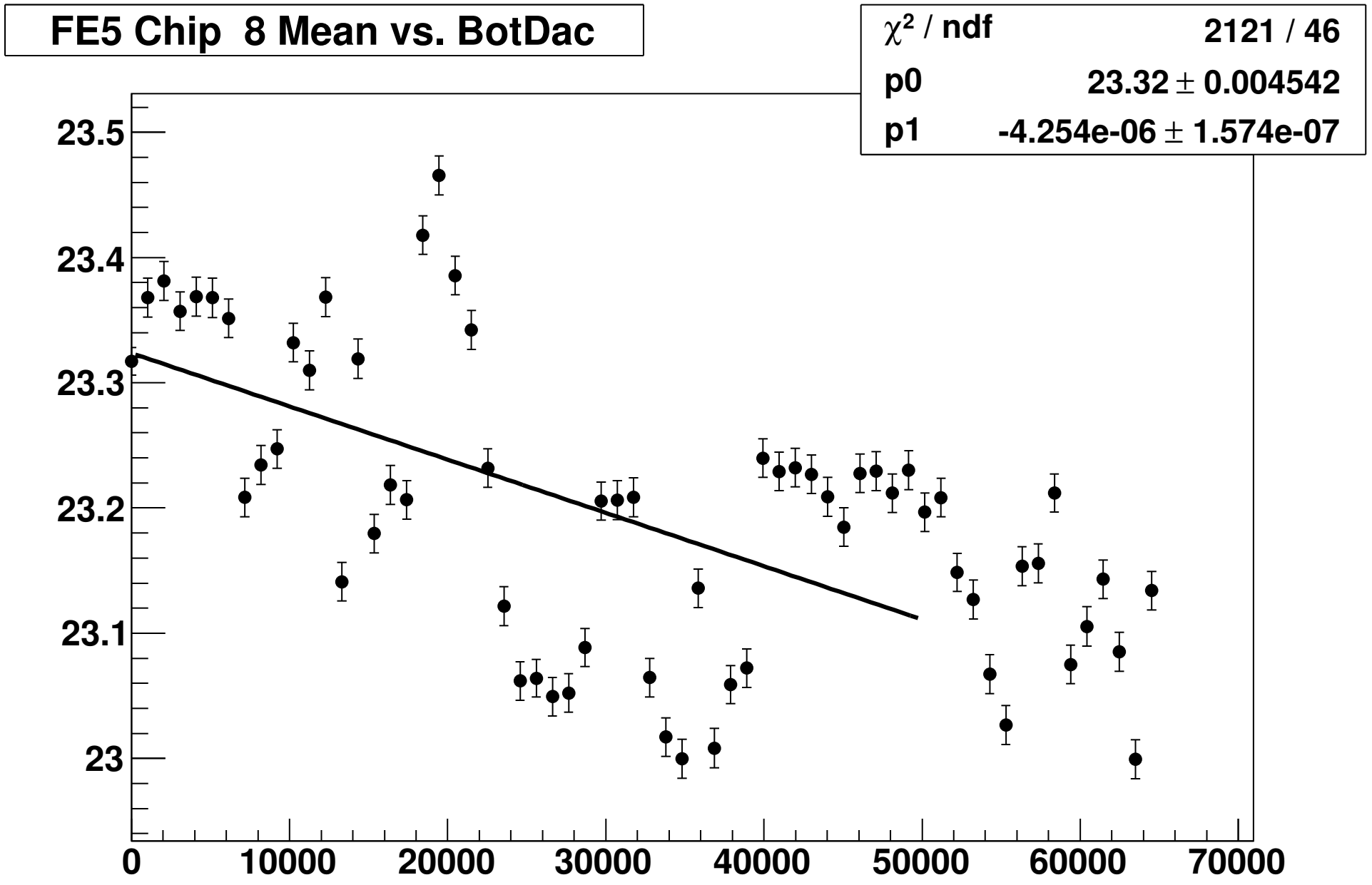
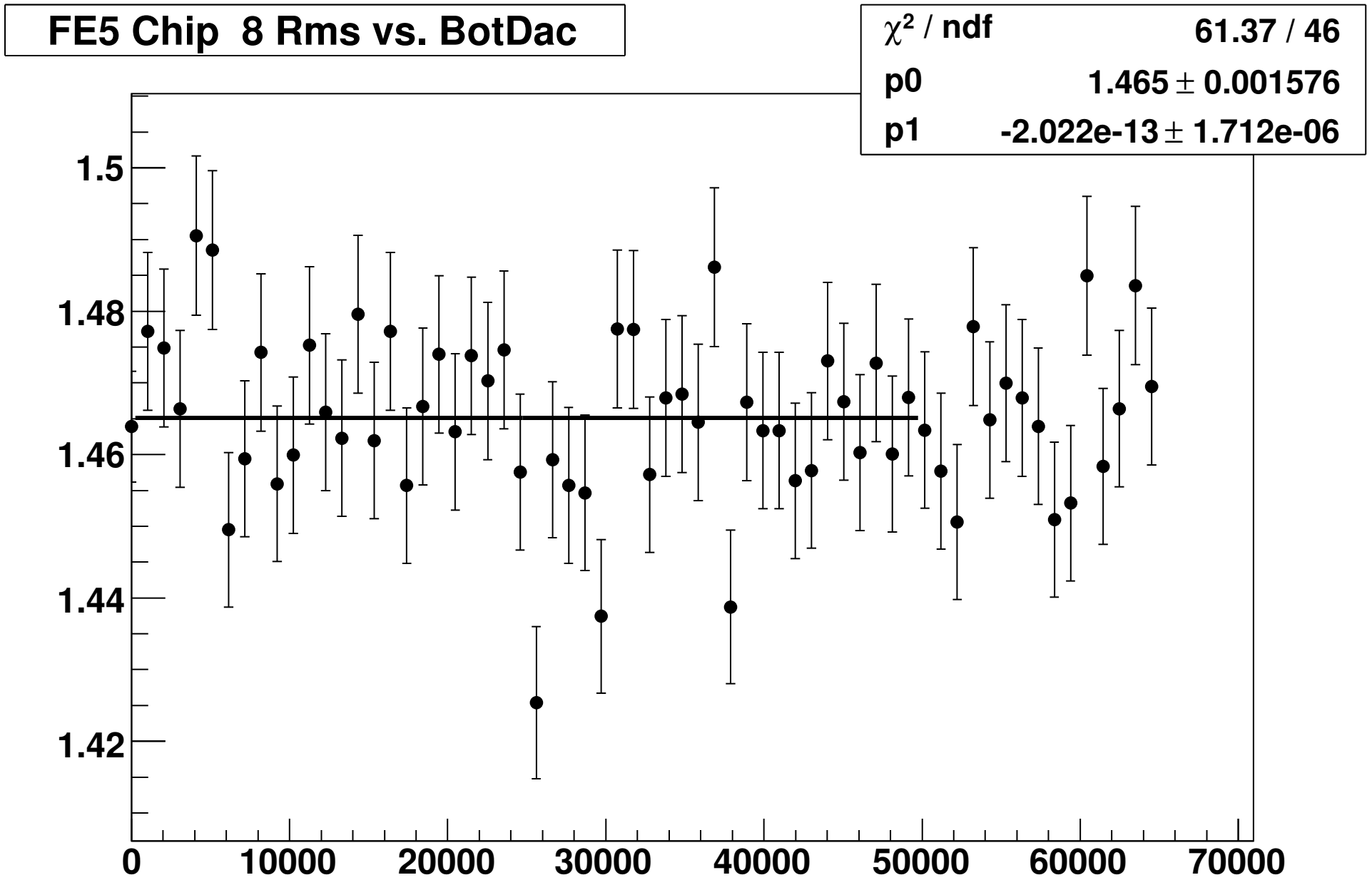

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 1057 / 46
p0 1.371 ± 0.002609
p1 3.496e-05 ± 1.391e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Mean vs. BotDac
χ² / ndf 2121 / 46
p0 23.32 ± 0.004542
p1 -4.254e-06 ± 1.574e-07
23.5
23.4
23.3
23.2
23.1
23
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. BotDac
χ² / ndf 61.37 / 46
p0 1.465 ± 0.001576
p1 -2.022e-13 ± 1.712e-06
1.5
1.48
1.46
1.44
1.42
0
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20000
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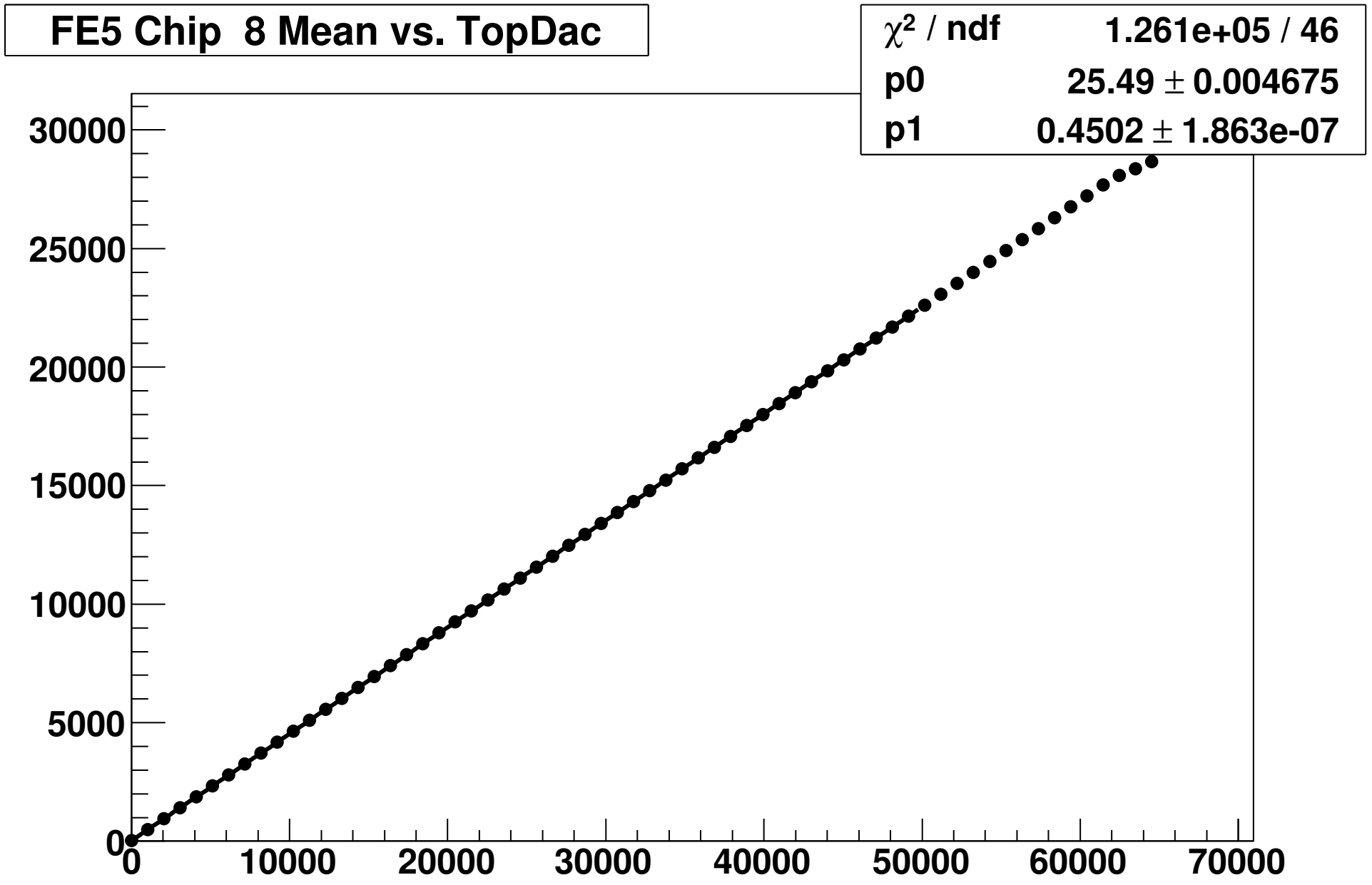
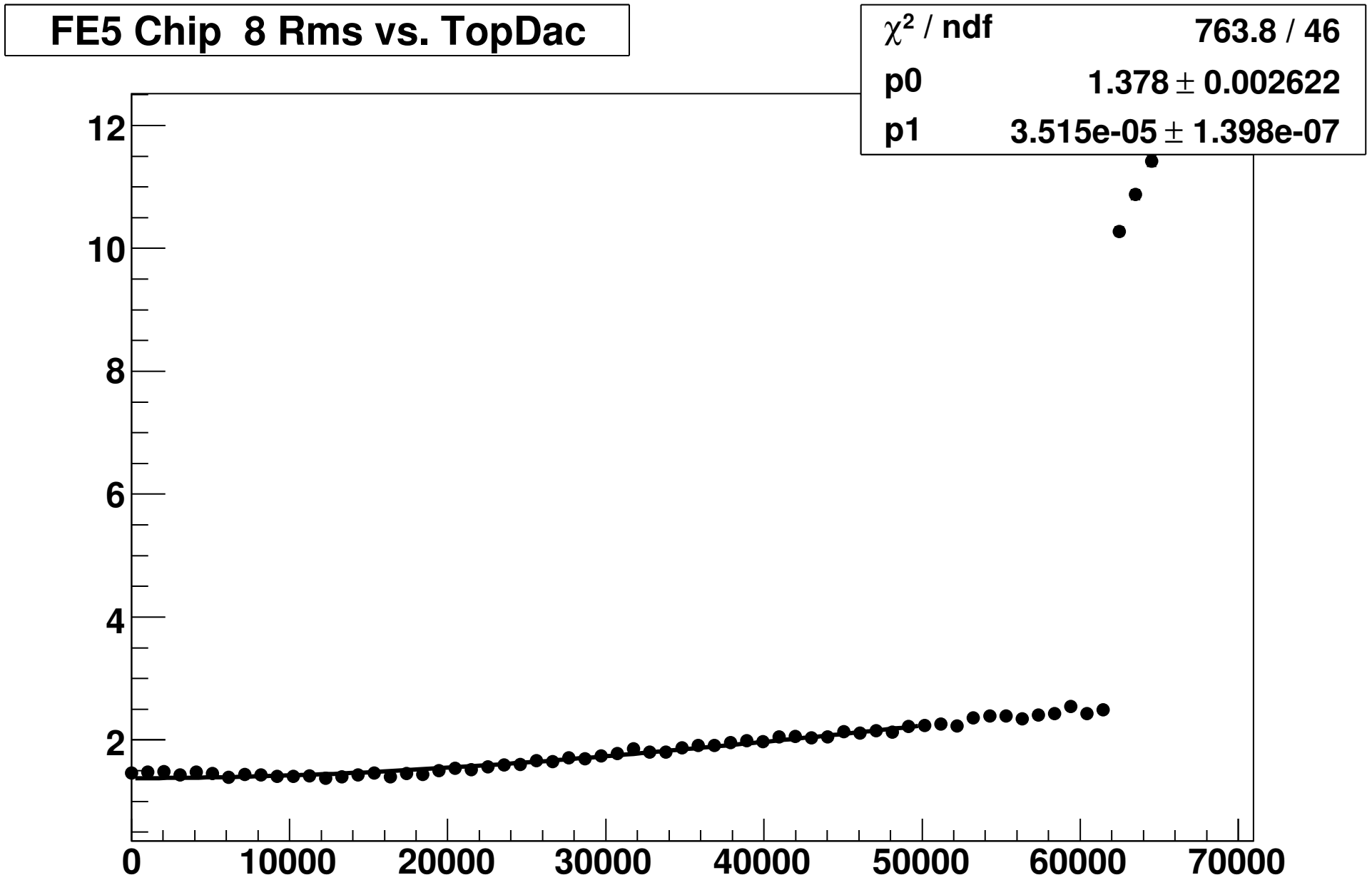
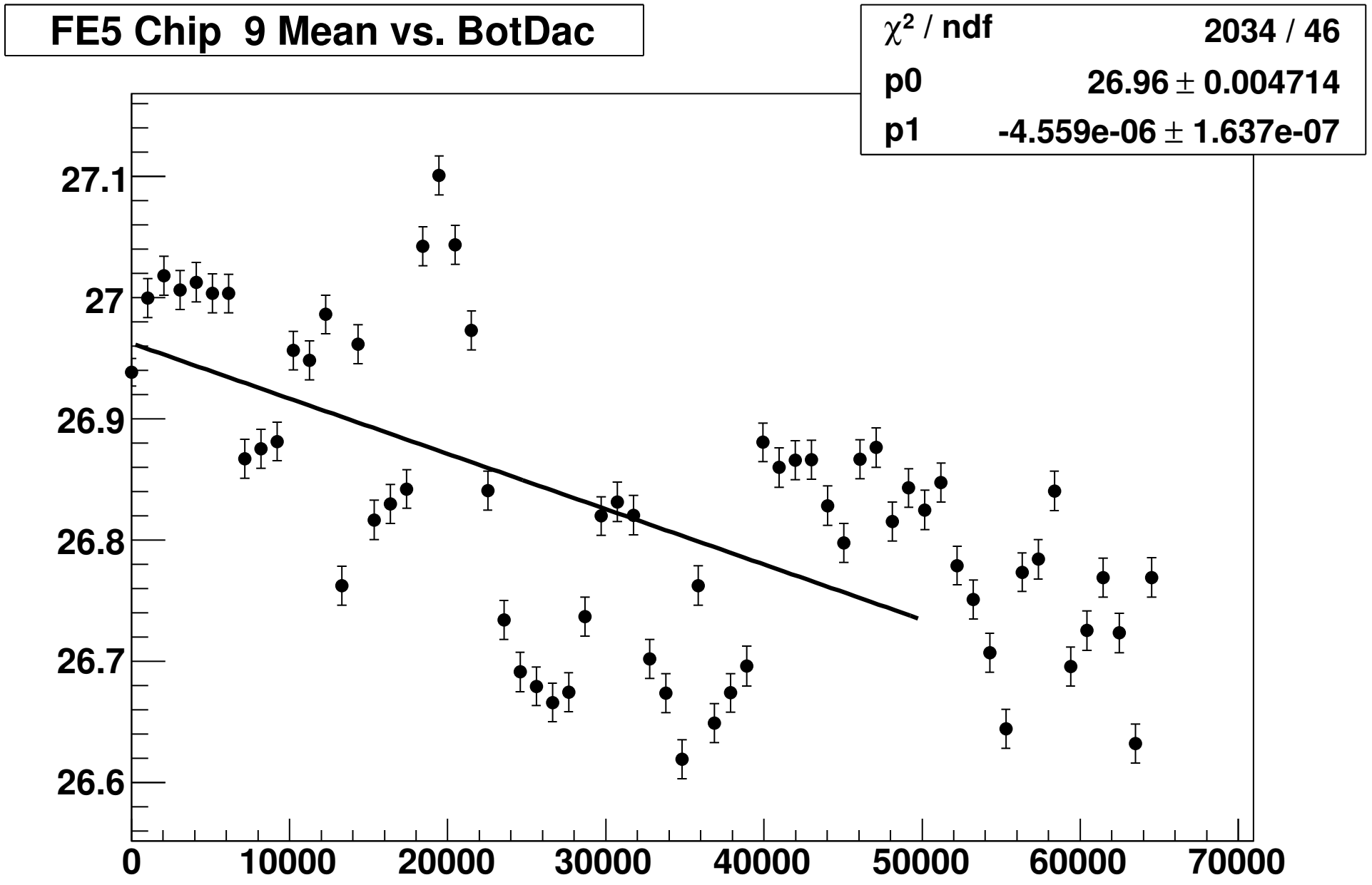
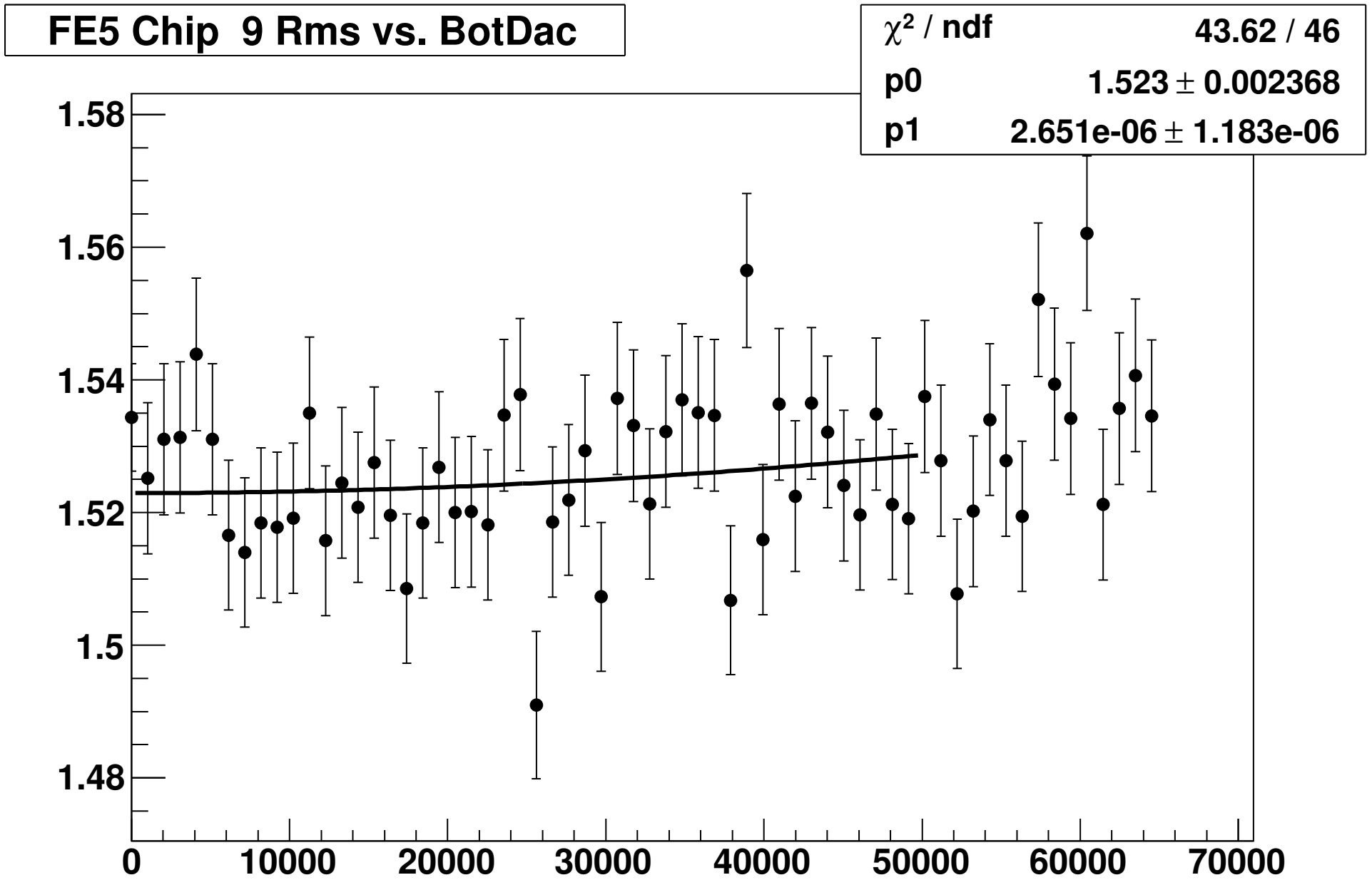
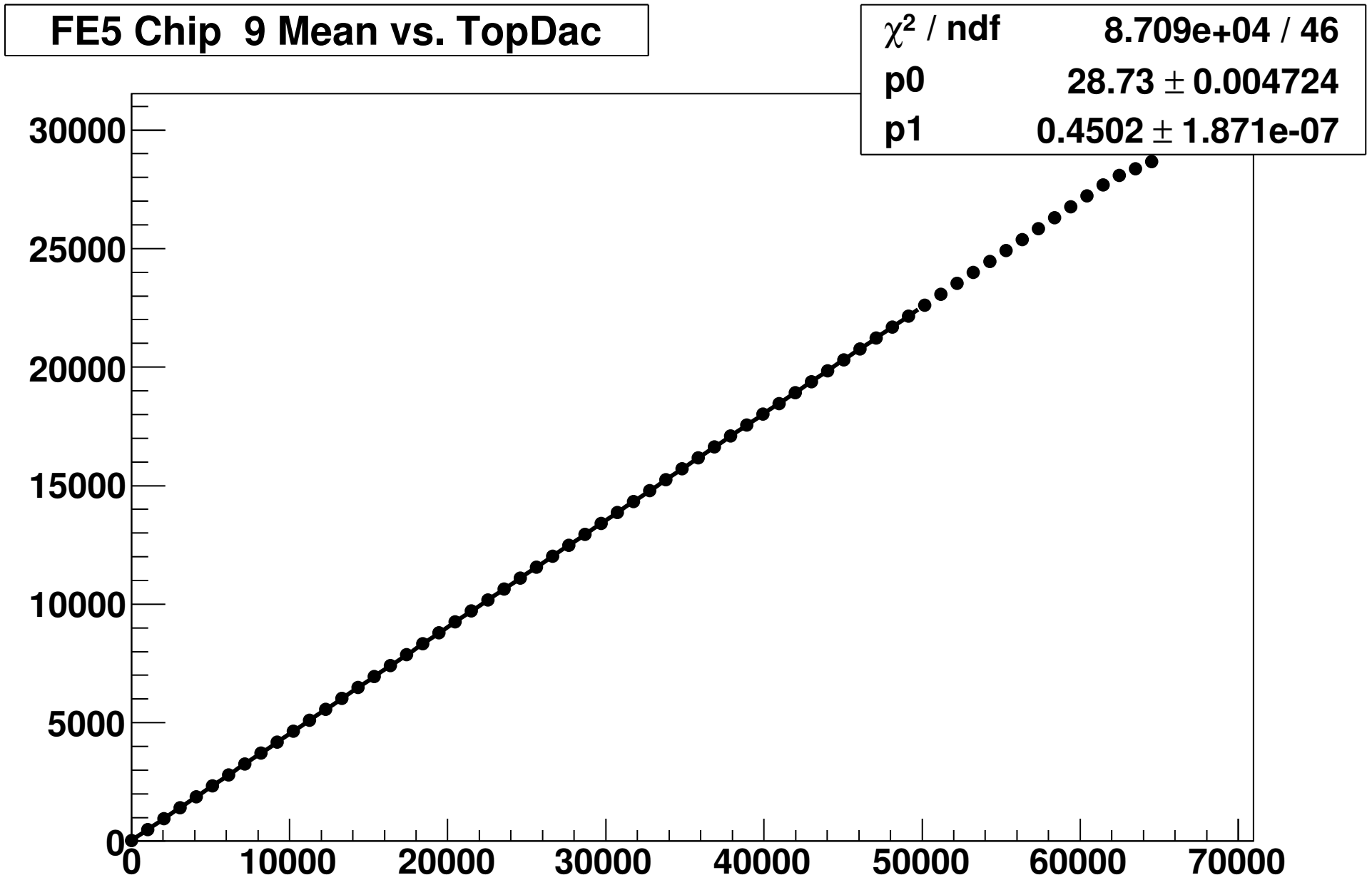

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.261e+05 / 46
p0 25.49 ± 0.004675
p1 0.4502 ± 1.863e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 8 Rms vs. TopDac
χ² / ndf 763.8 / 46
p0 1.378 ± 0.002622
p1 3.515e-05 ± 1.398e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. BotDac
χ² / ndf 2034 / 46
p0 26.96 ± 0.004714
p1 -4.559e-06 ± 1.637e-07
27.1
27
26.9
26.8
26.7
26.6
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Rms vs. BotDac
χ² / ndf 43.62 / 46
p0 1.523 ± 0.002368
p1 2.651e-06 ± 1.183e-06
1.58
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 8.709e+04 / 46
p0 28.73 ± 0.004724
p1 0.4502 ± 1.871e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
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60000
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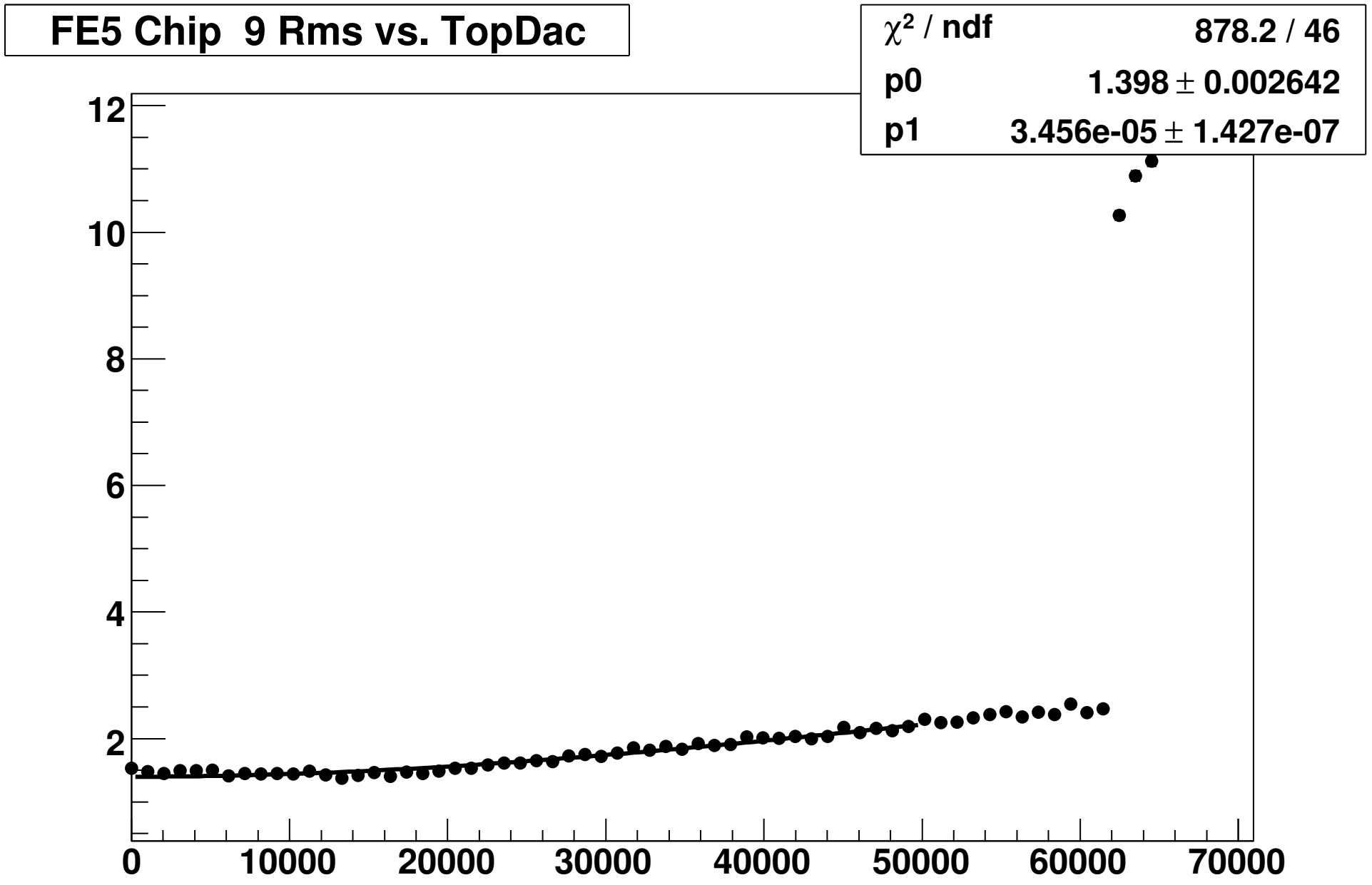
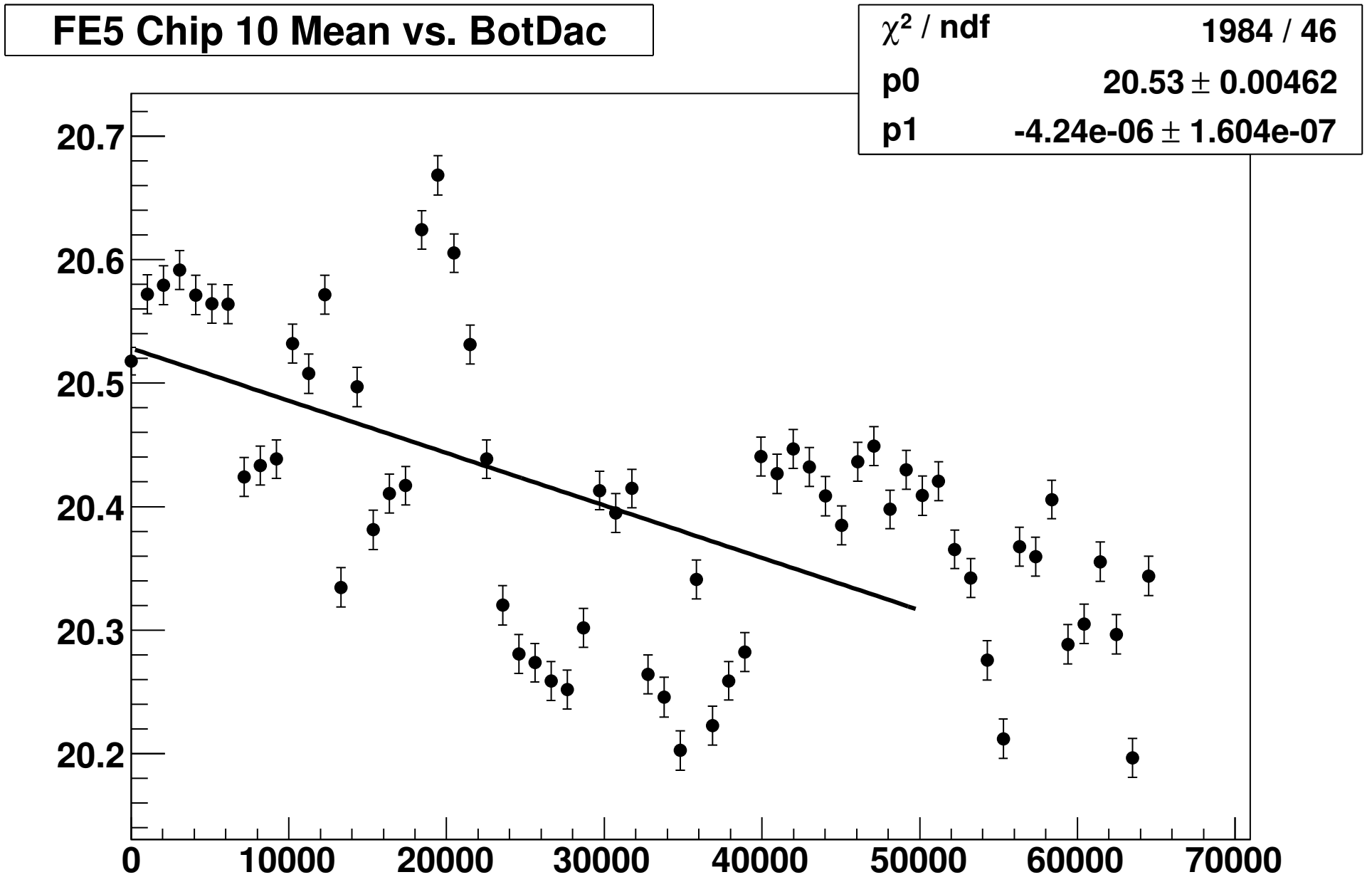
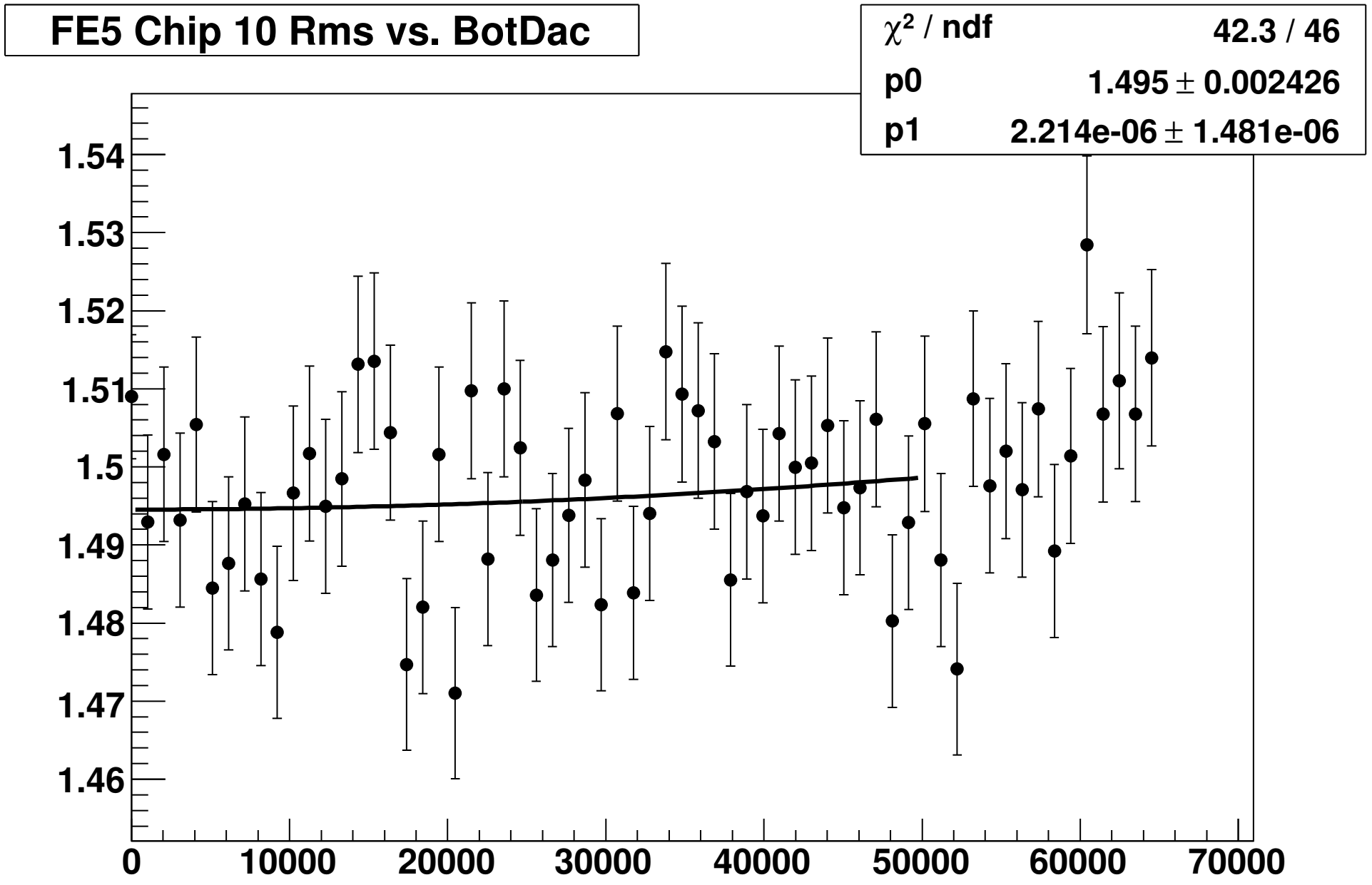
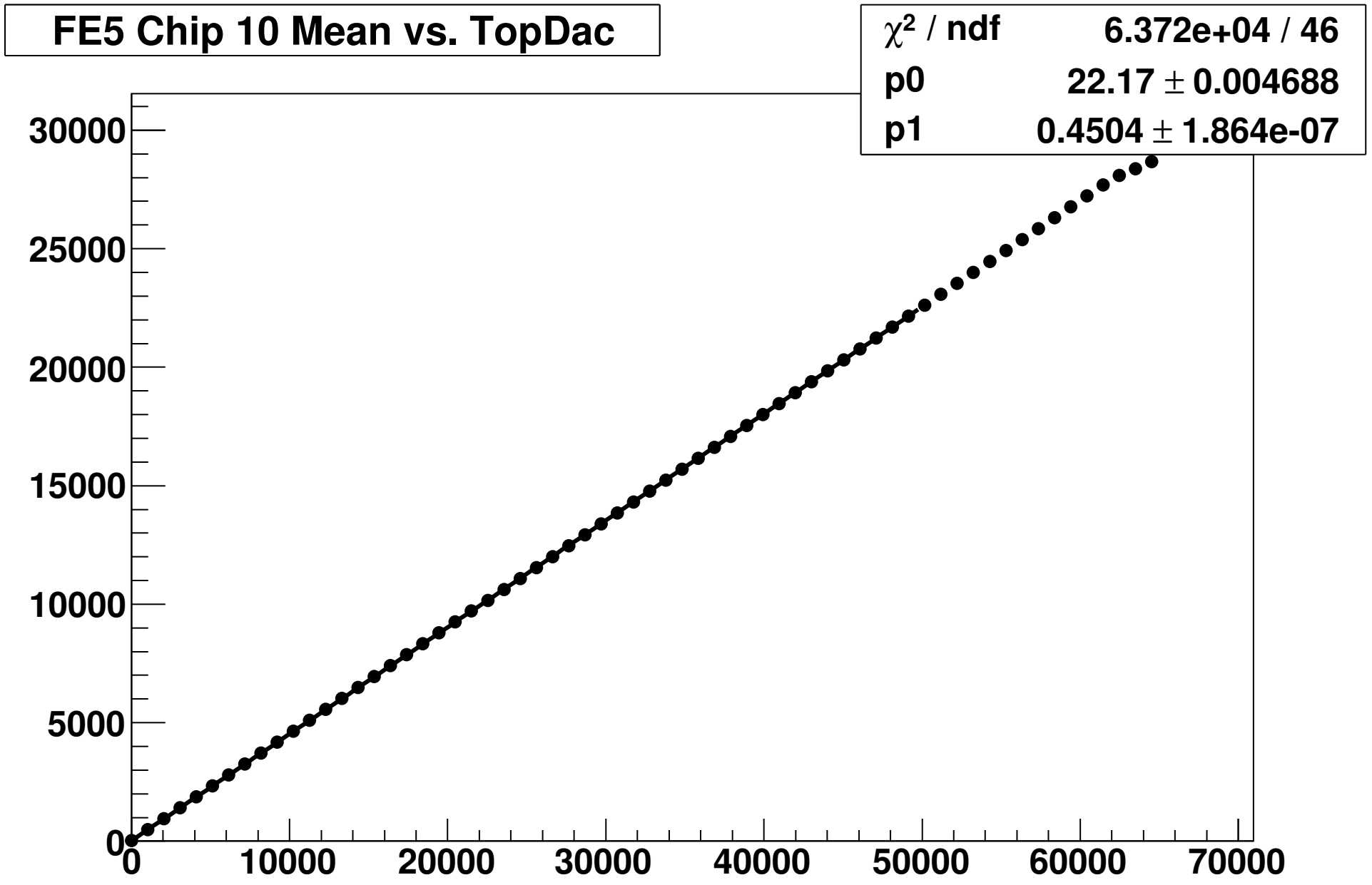
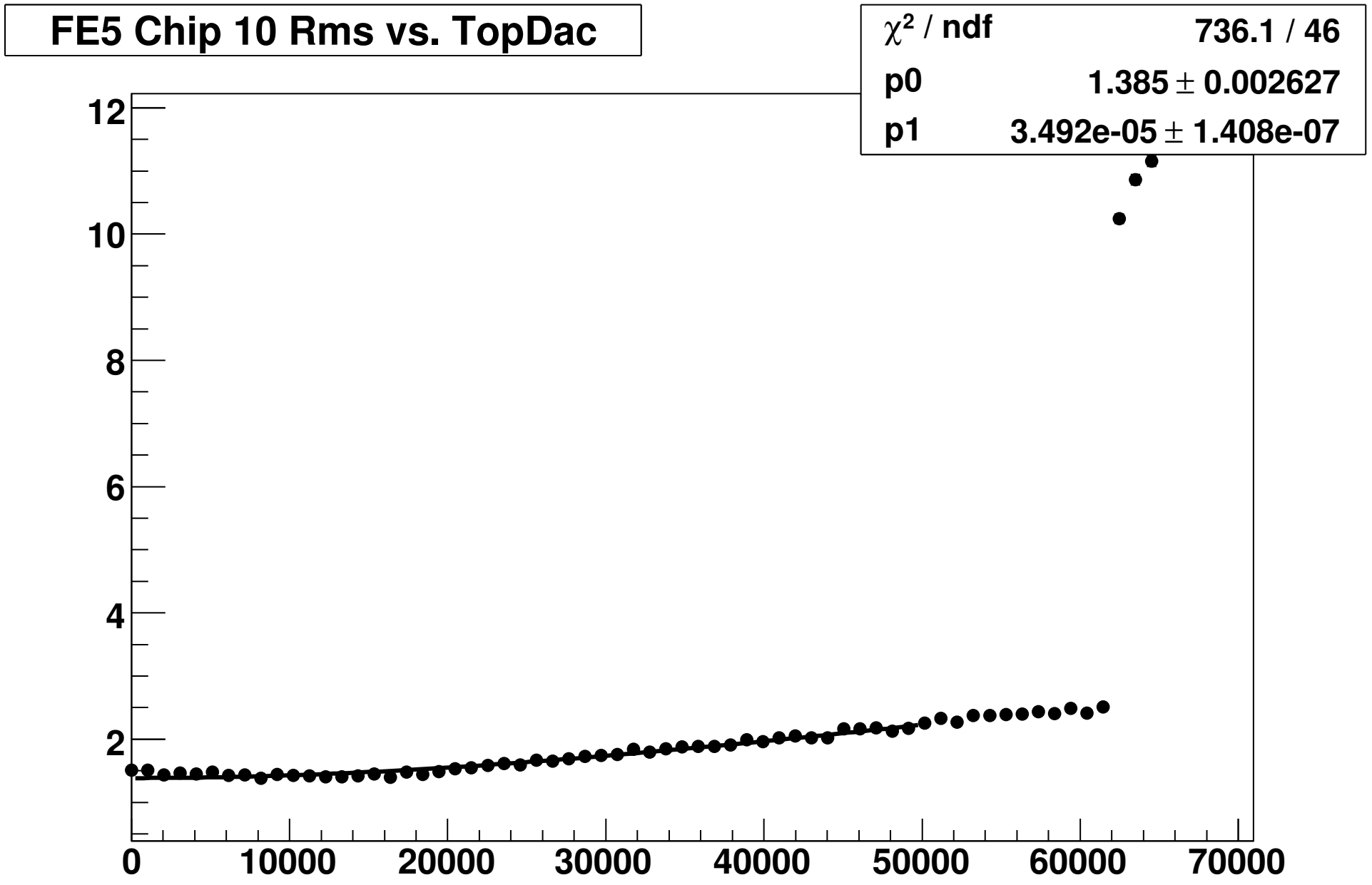
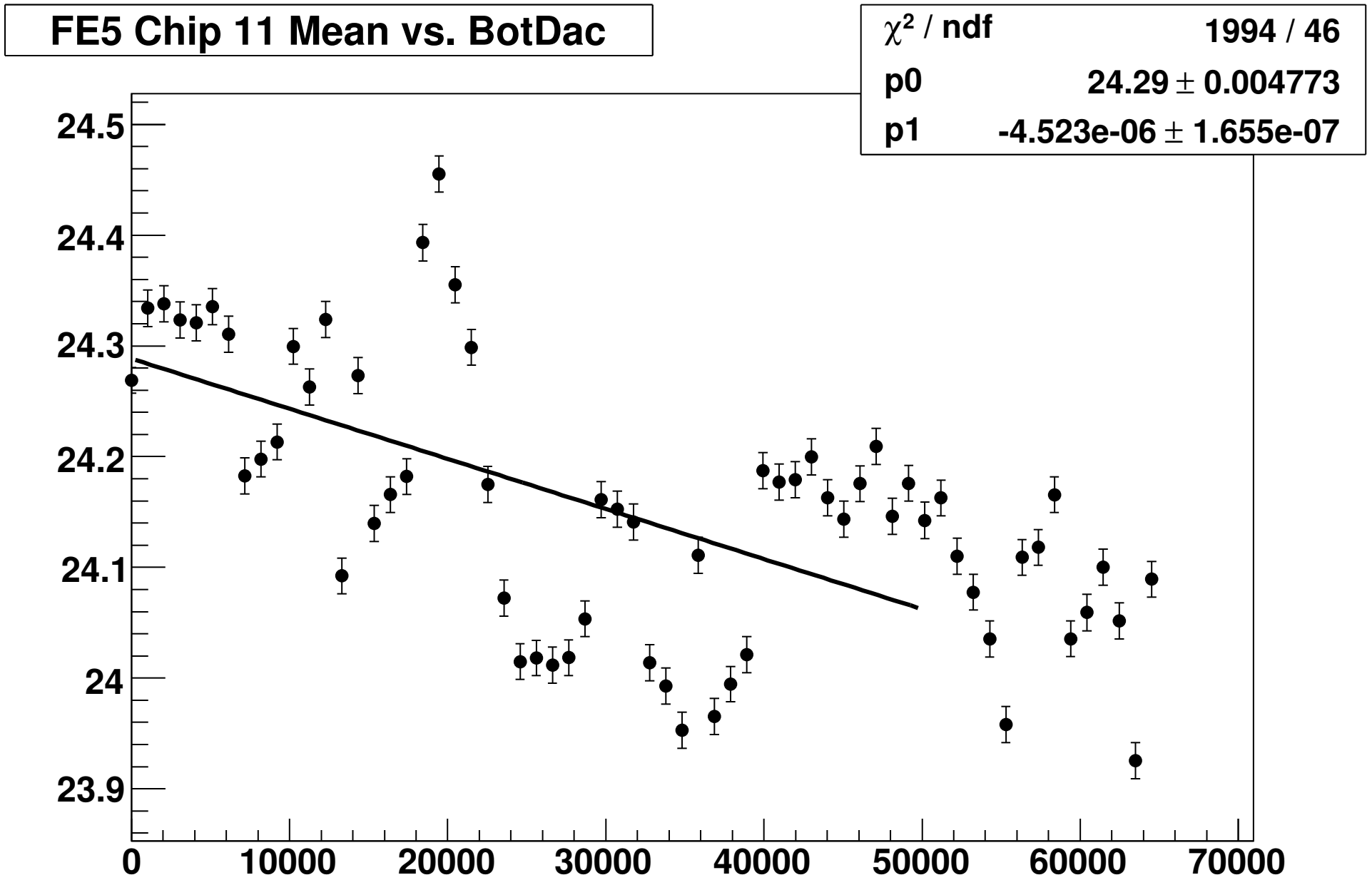

FE5 Chip 9 Rms vs. TopDac
χ² / ndf 878.2 / 46
p0 1.398 ± 0.002642
p1 3.456e-05 ± 1.427e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 1984 / 46
p0 20.53 ± 0.00462
p1 -4.24e-06 ± 1.604e-07
20.7
20.6
20.5
20.4
20.3
20.2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 42.3 / 46
p0 1.495 ± 0.002426
p1 2.214e-06 ± 1.481e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 6.372e+04 / 46
p0 22.17 ± 0.004688
p1 0.4504 ± 1.864e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 736.1 / 46
p0 1.385 ± 0.002627
p1 3.492e-05 ± 1.408e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 1994 / 46
p0 24.29 ± 0.004773
p1 -4.523e-06 ± 1.655e-07
24.5
24.4
24.3
24.2
24.1
24
23.9
0
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20000
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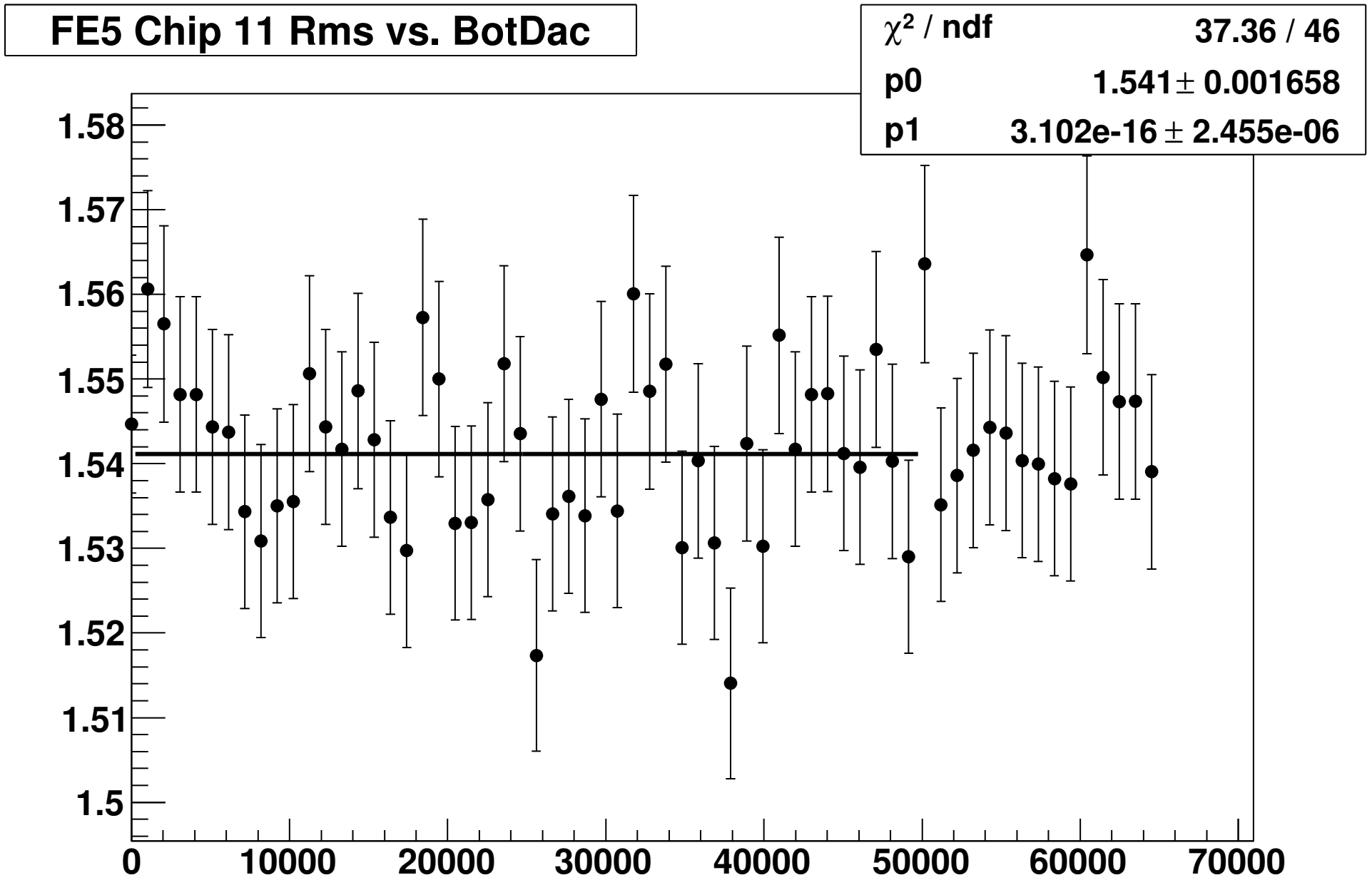
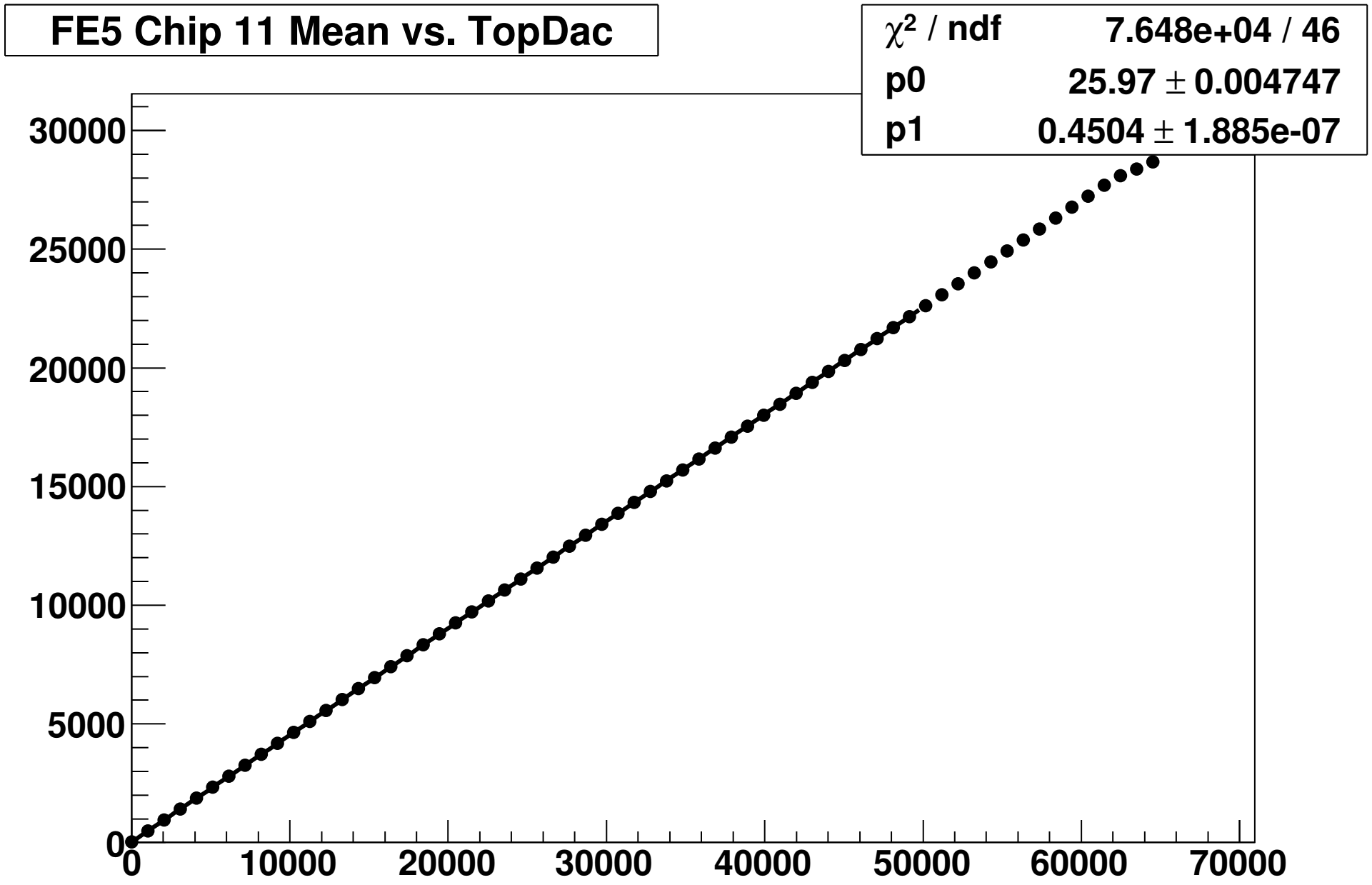

FE5 Chip 11 Rms vs. BotDac
χ² / ndf 37.36 / 46
p0 1.541 ± 0.001658
p1 3.102e-16 ± 2.455e-06
1.58
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 7.648e+04 / 46
p0 25.97 ± 0.004747
p1 0.4504 ± 1.885e-07
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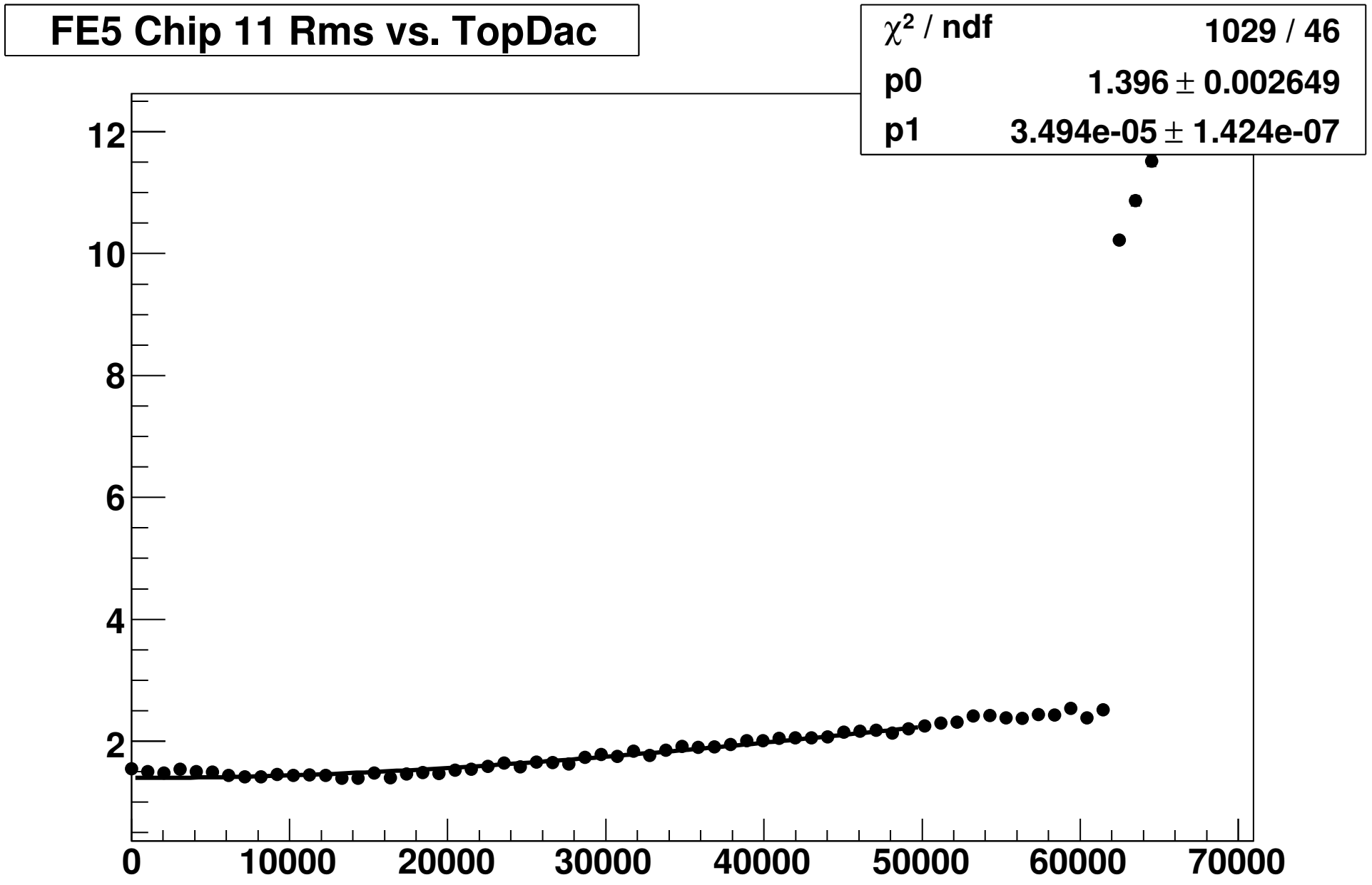
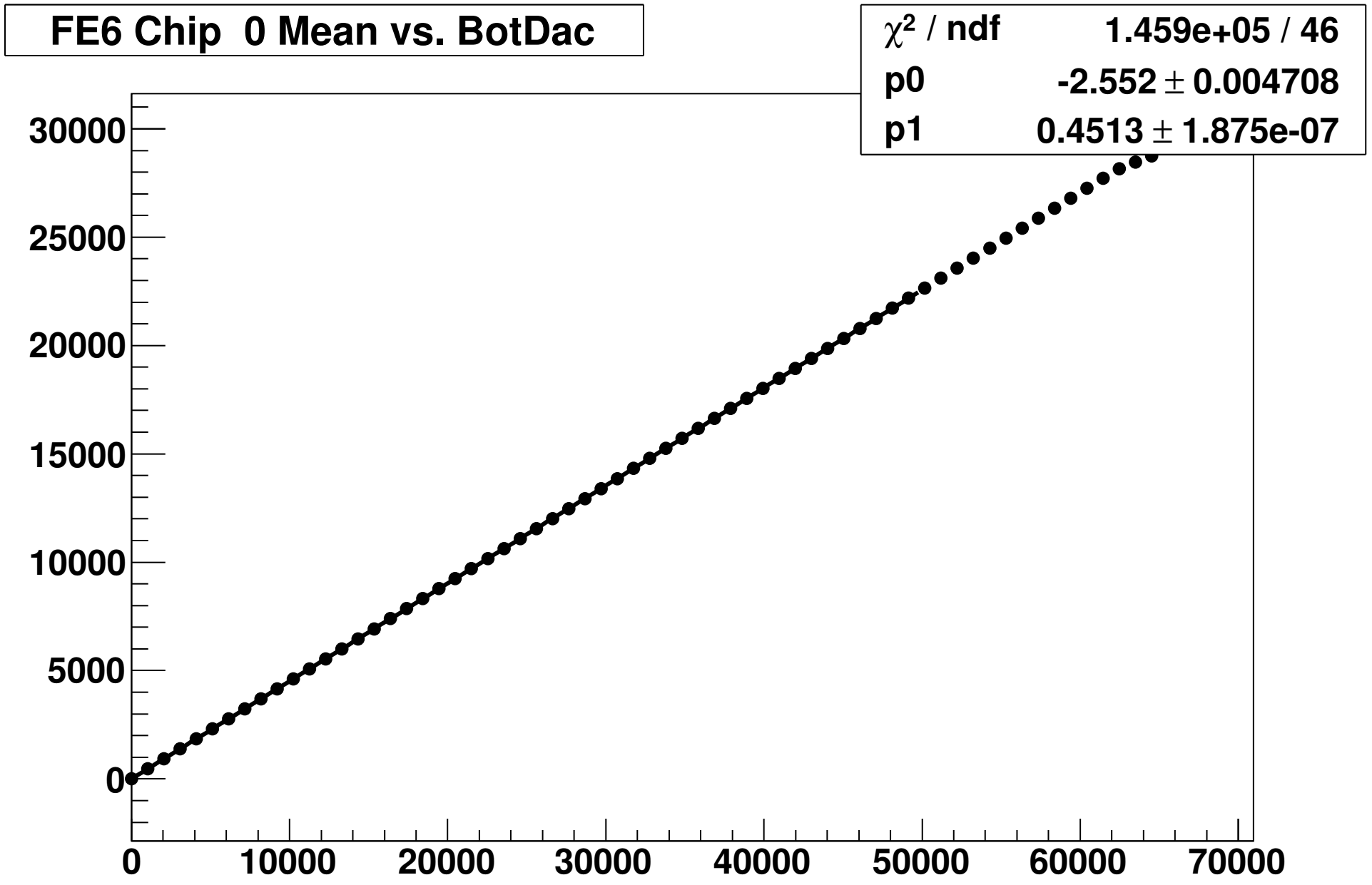
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE5 Chip 11 Rms vs. TopDac
χ² / ndf 1029 / 46
p0 1.396 ± 0.002649
p1 3.494e-05 ± 1.424e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.459e+05 / 46
p0 -2.552 ± 0.004708
p1 0.4513 ± 1.875e-07
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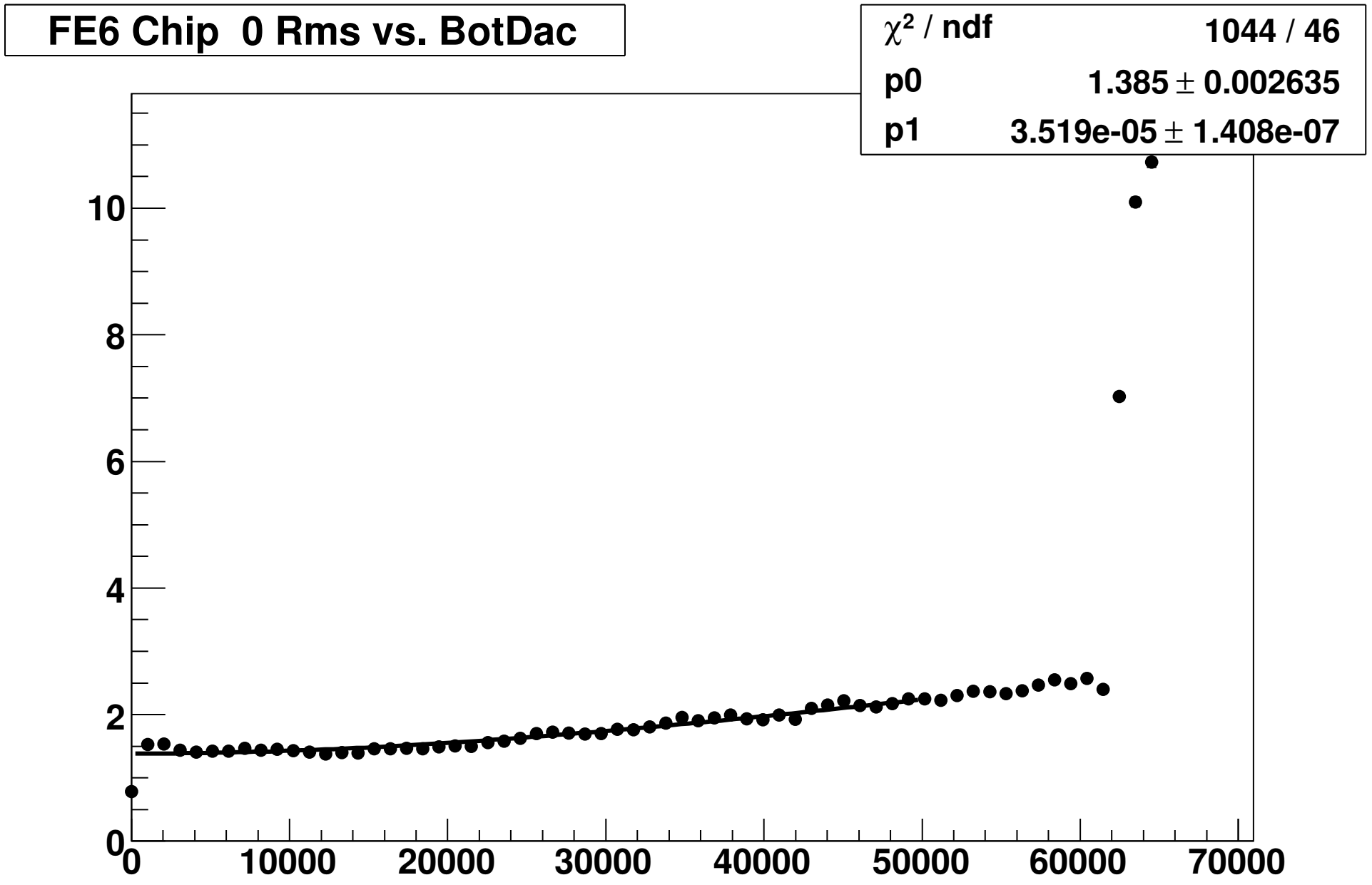
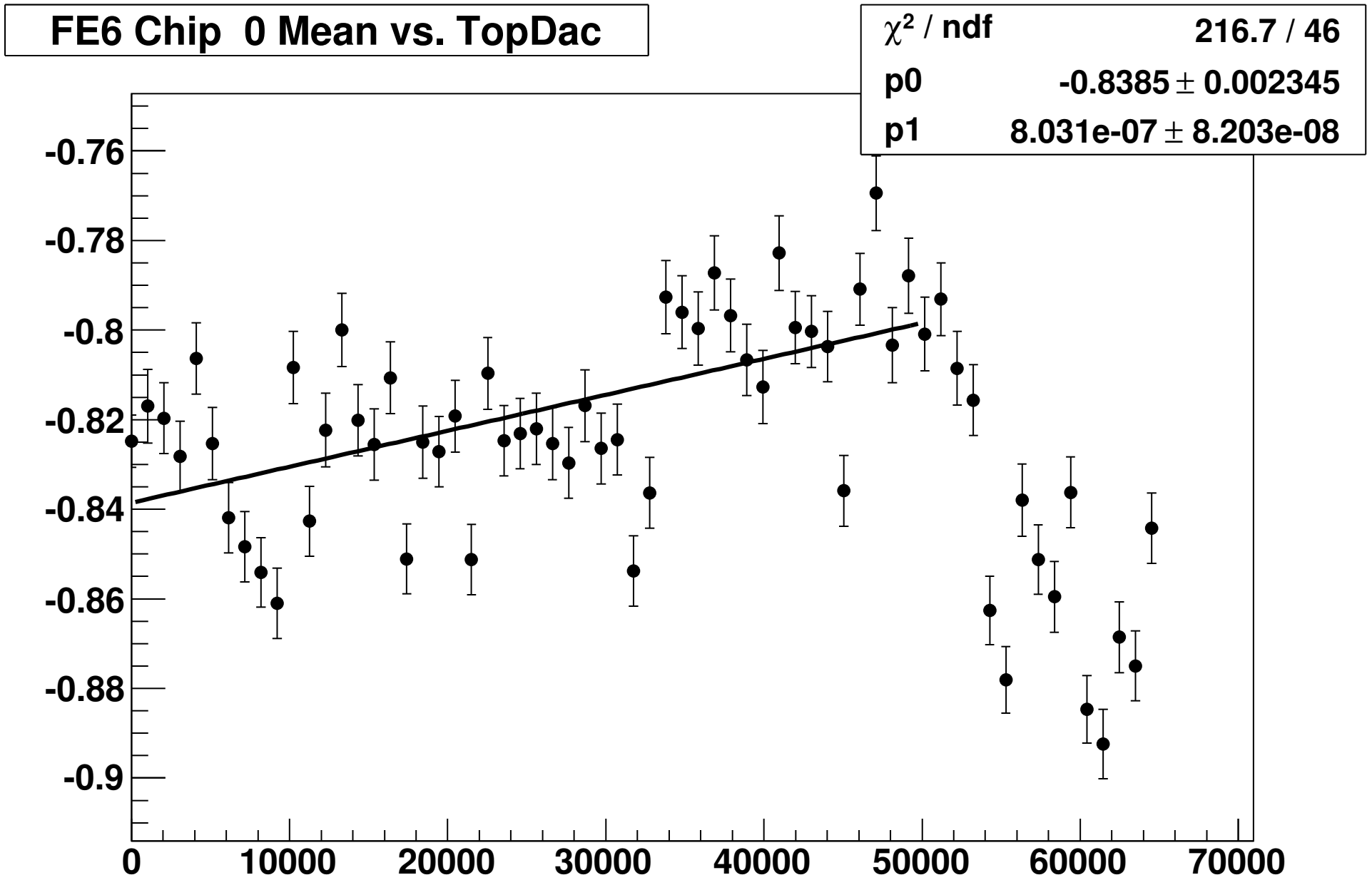
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Rms vs. BotDac
χ² / ndf 1044 / 46
p0 1.385 ± 0.002635
p1 3.519e-05 ± 1.408e-07
0
2
4
6
8
10
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 0 Mean vs. TopDac
χ² / ndf 216.7 / 46
p0 -0.8385 ± 0.002345
p1 8.031e-07 ± 8.203e-08
-0.76
-0.78
-0.8
-0.82
-0.84
-0.86
-0.88
-0.9
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10000
20000
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40000
50000
60000
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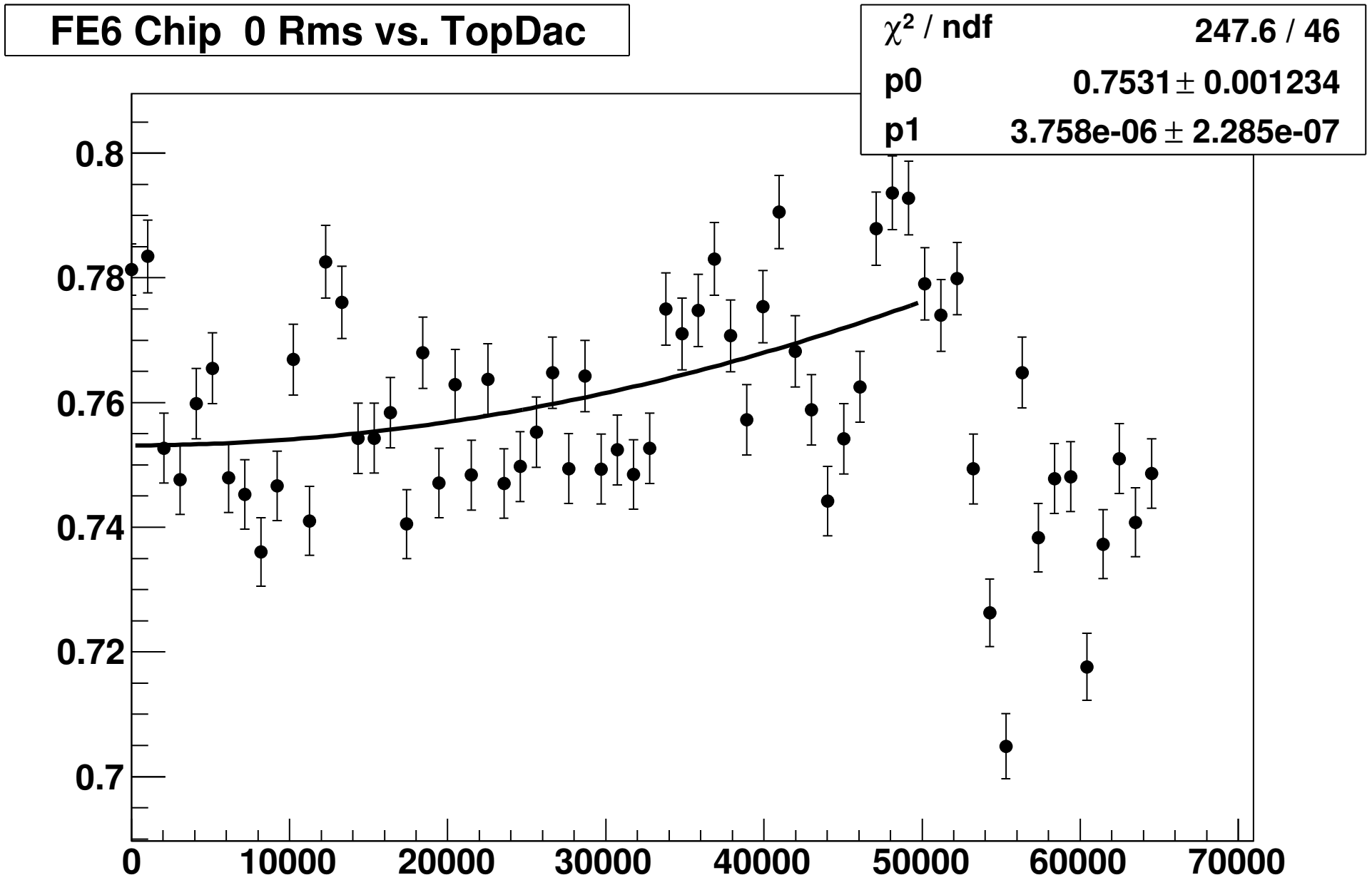
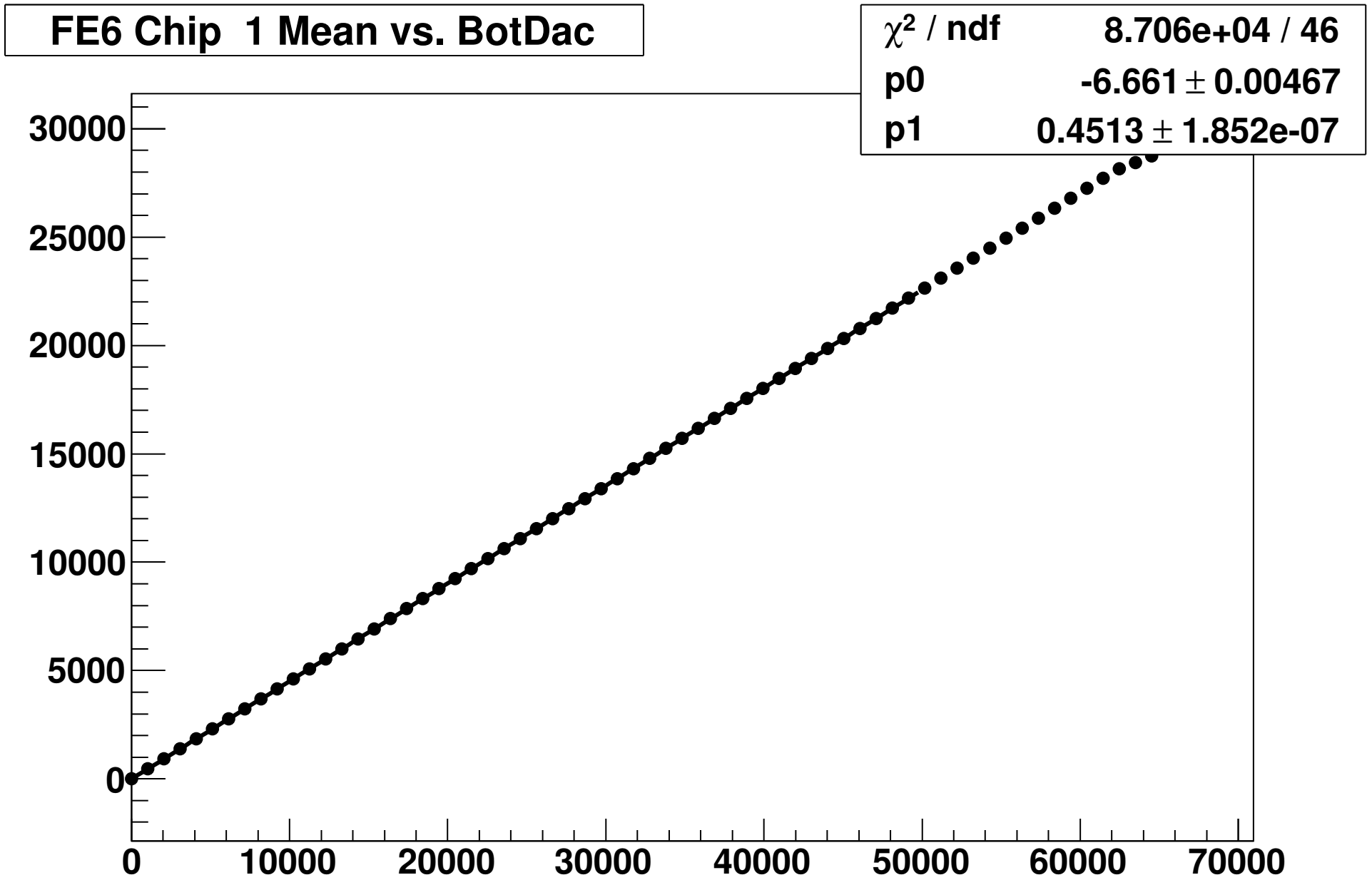
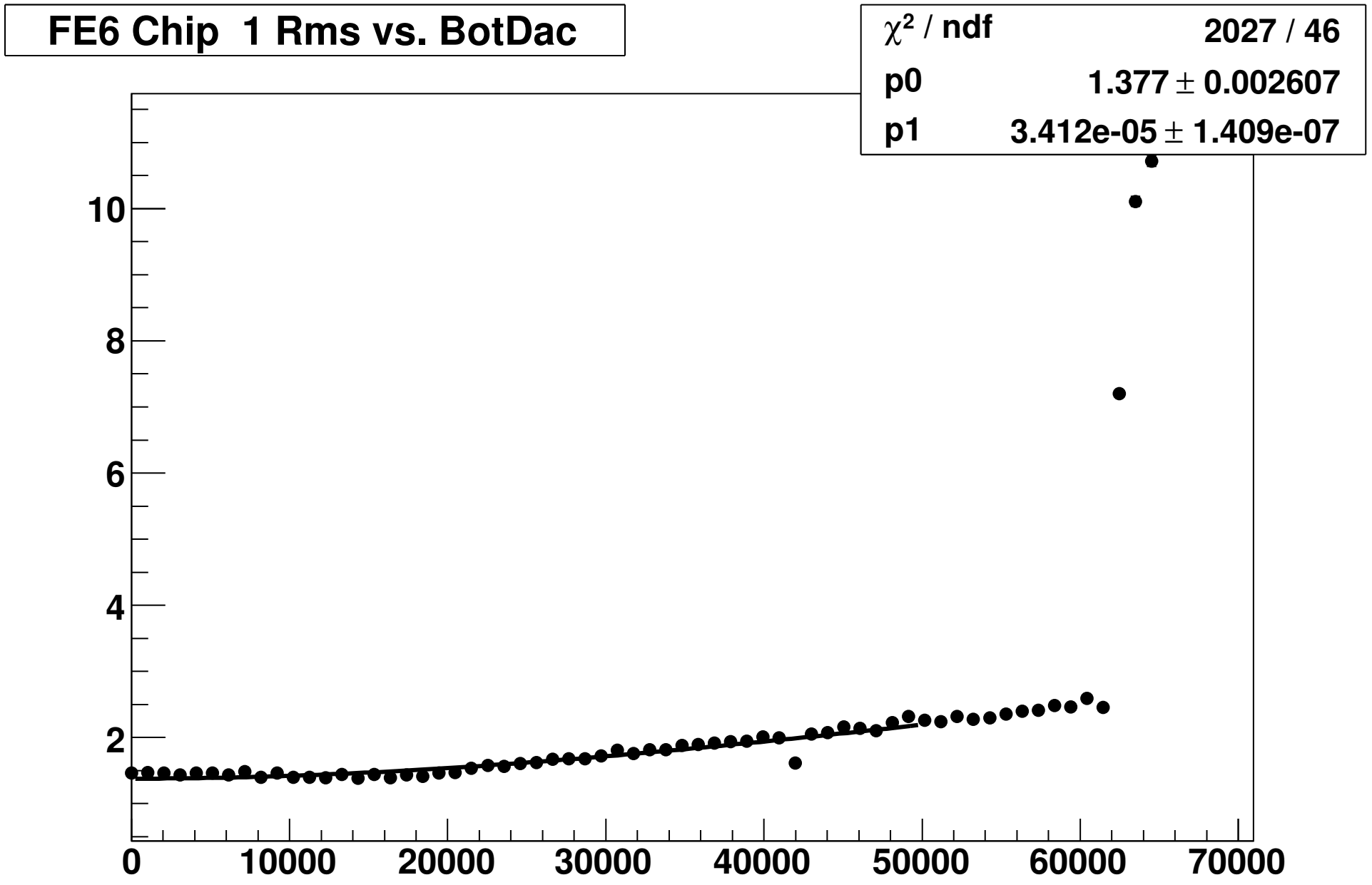
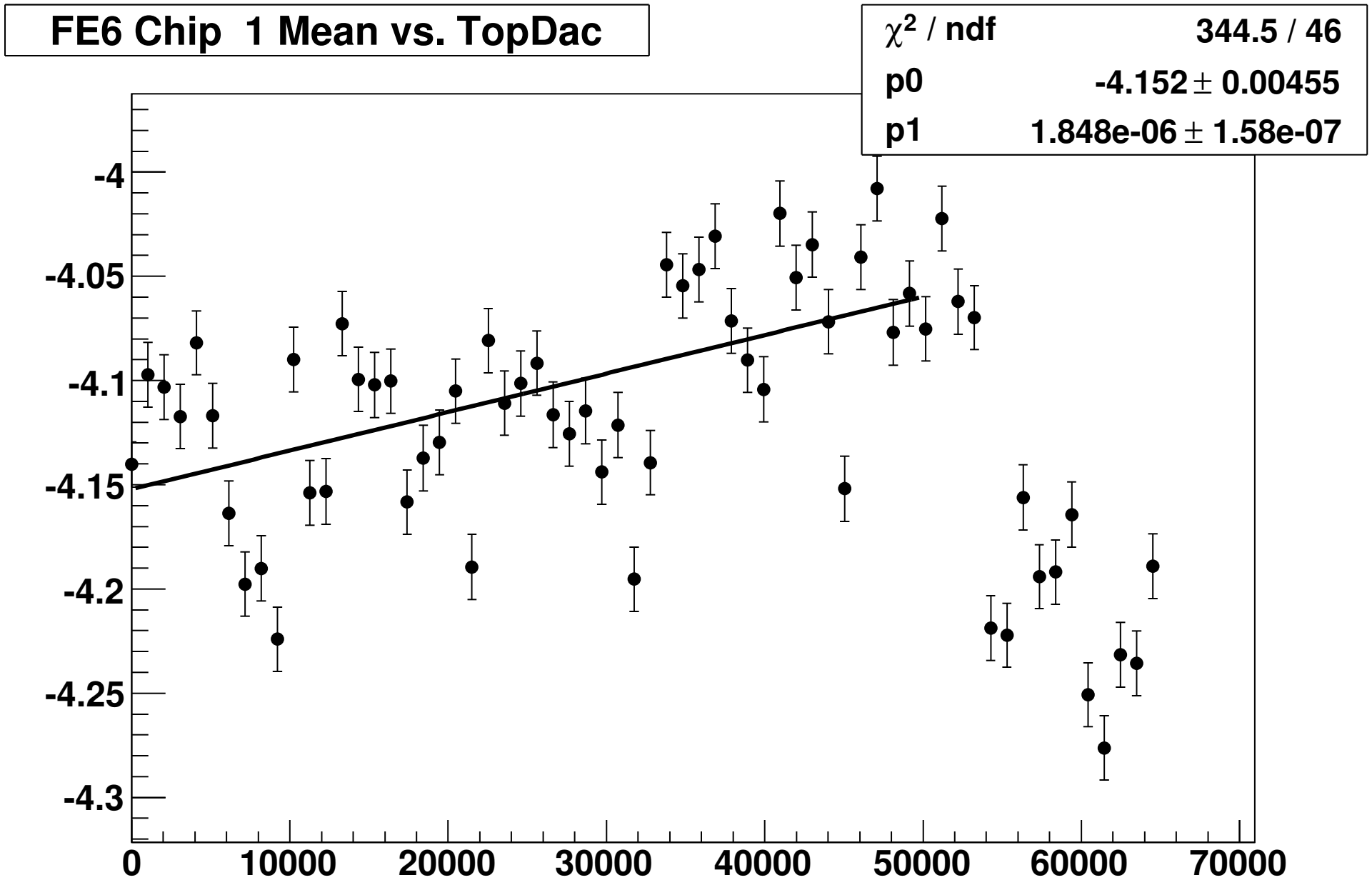

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 247.6 / 46
p0 0.7531 ± 0.001234
p1 3.758e-06 ± 2.285e-07
0.8
0.78
0.76
0.74
0.72
0.7
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. BotDac
χ² / ndf 8.706e+04 / 46
p0 -6.661 ± 0.00467
p1 0.4513 ± 1.852e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Rms vs. BotDac
χ² / ndf 2027 / 46
p0 1.377 ± 0.002607
p1 3.412e-05 ± 1.409e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 1 Mean vs. TopDac
χ² / ndf 344.5 / 46
p0 -4.152 ± 0.00455
p1 1.848e-06 ± 1.58e-07
-4
-4.05
-4.1
-4.15
-4.2
-4.25
-4.3
0
10000
20000
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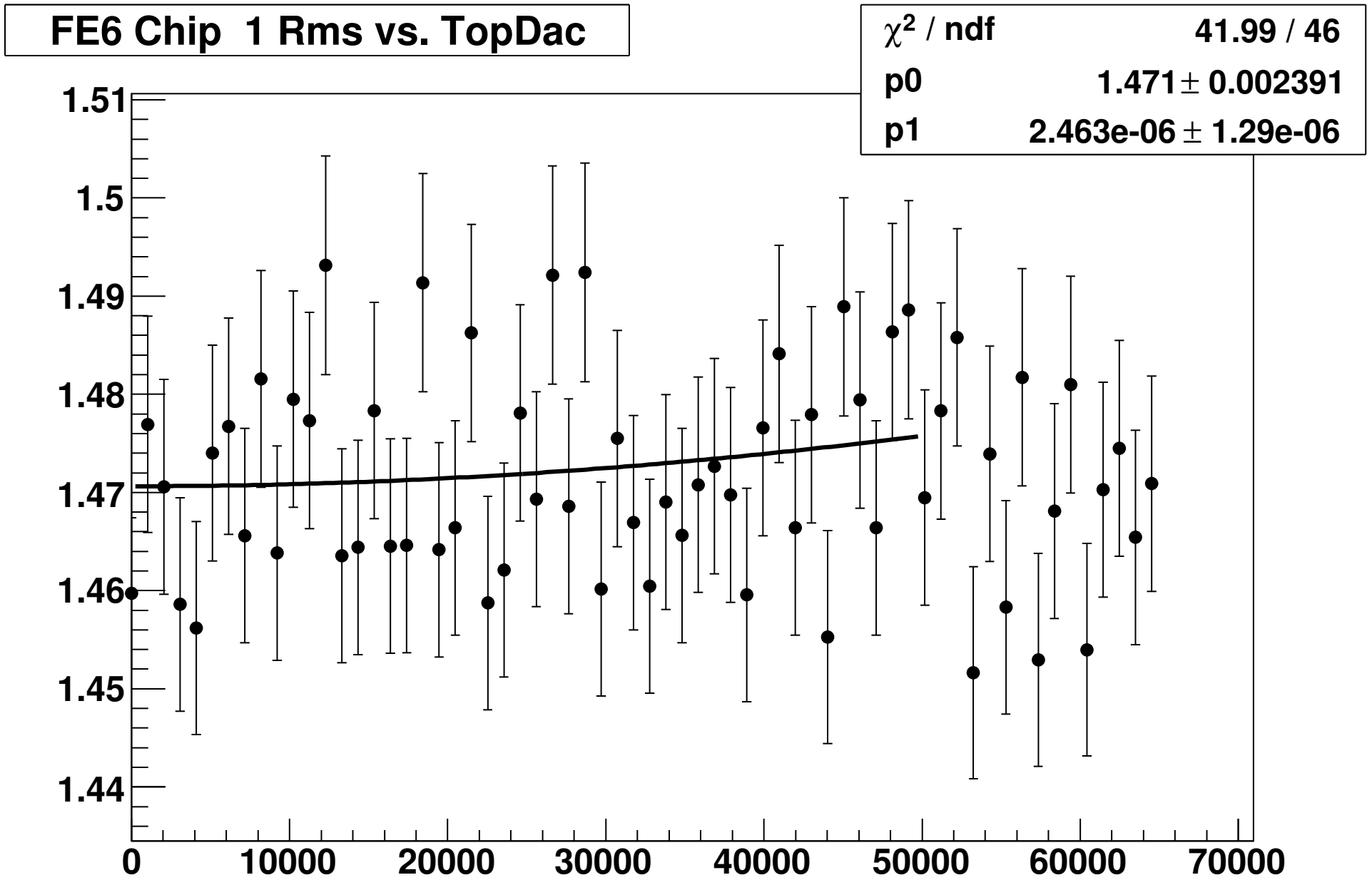
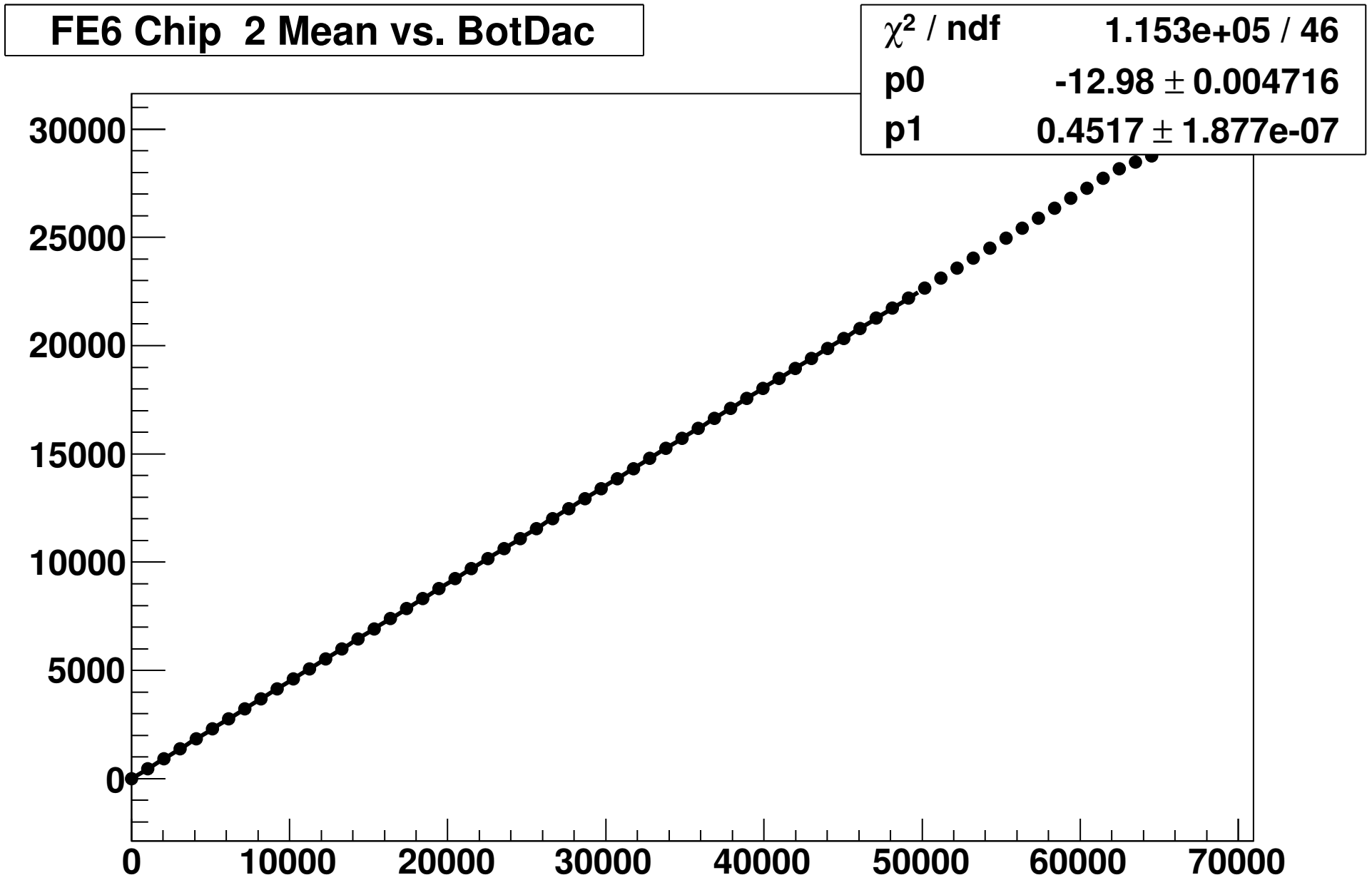
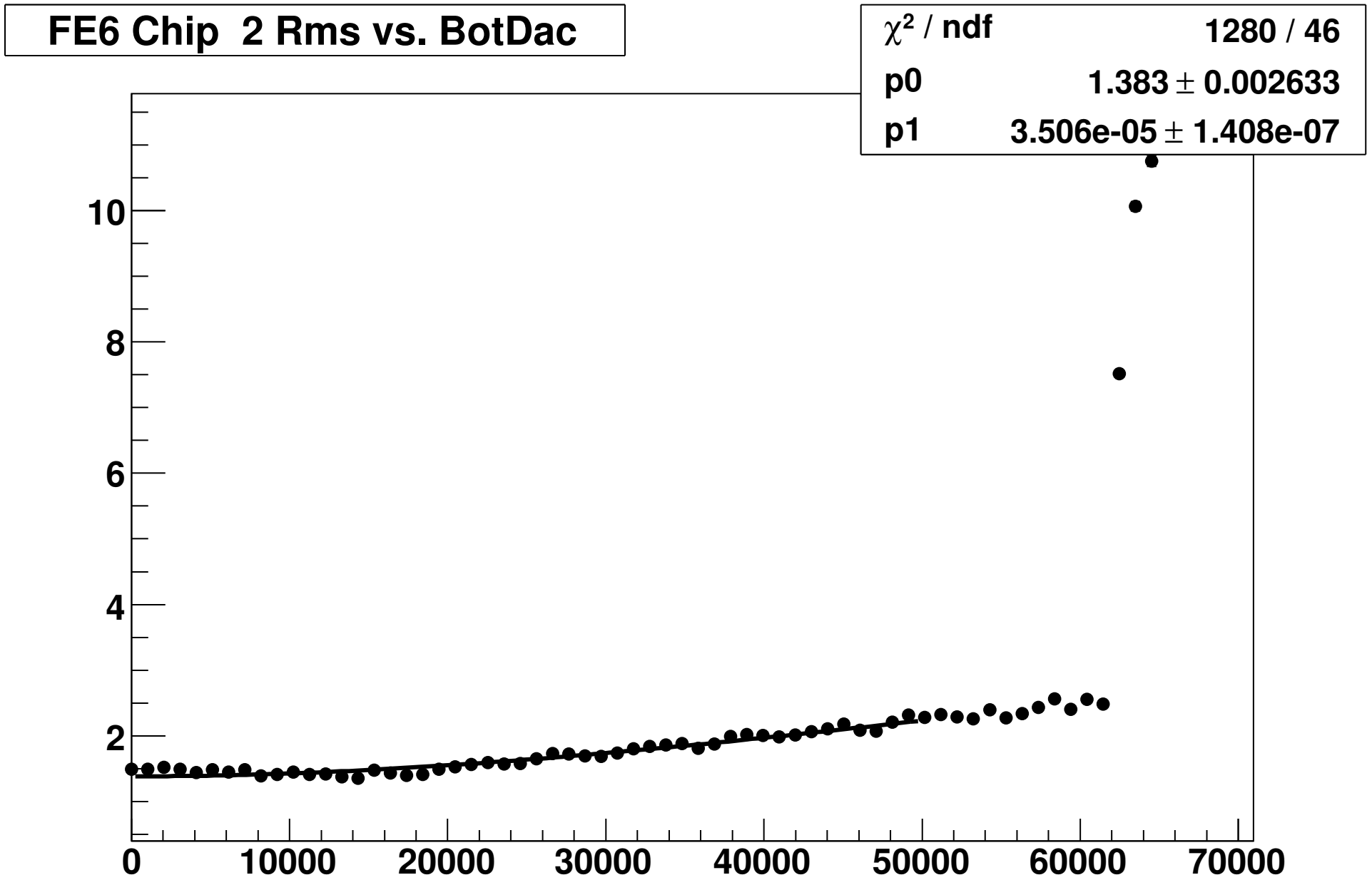
40000
50000
60000
70000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 41.99 / 46
p0 1.471 ± 0.002391
p1 2.463e-06 ± 1.29e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 1.153e+05 / 46
p0 -12.98 ± 0.004716
p1 0.4517 ± 1.877e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 1280 / 46
p0 1.383 ± 0.002633
p1 3.506e-05 ± 1.408e-07
10
8
6
4
2
0
10000
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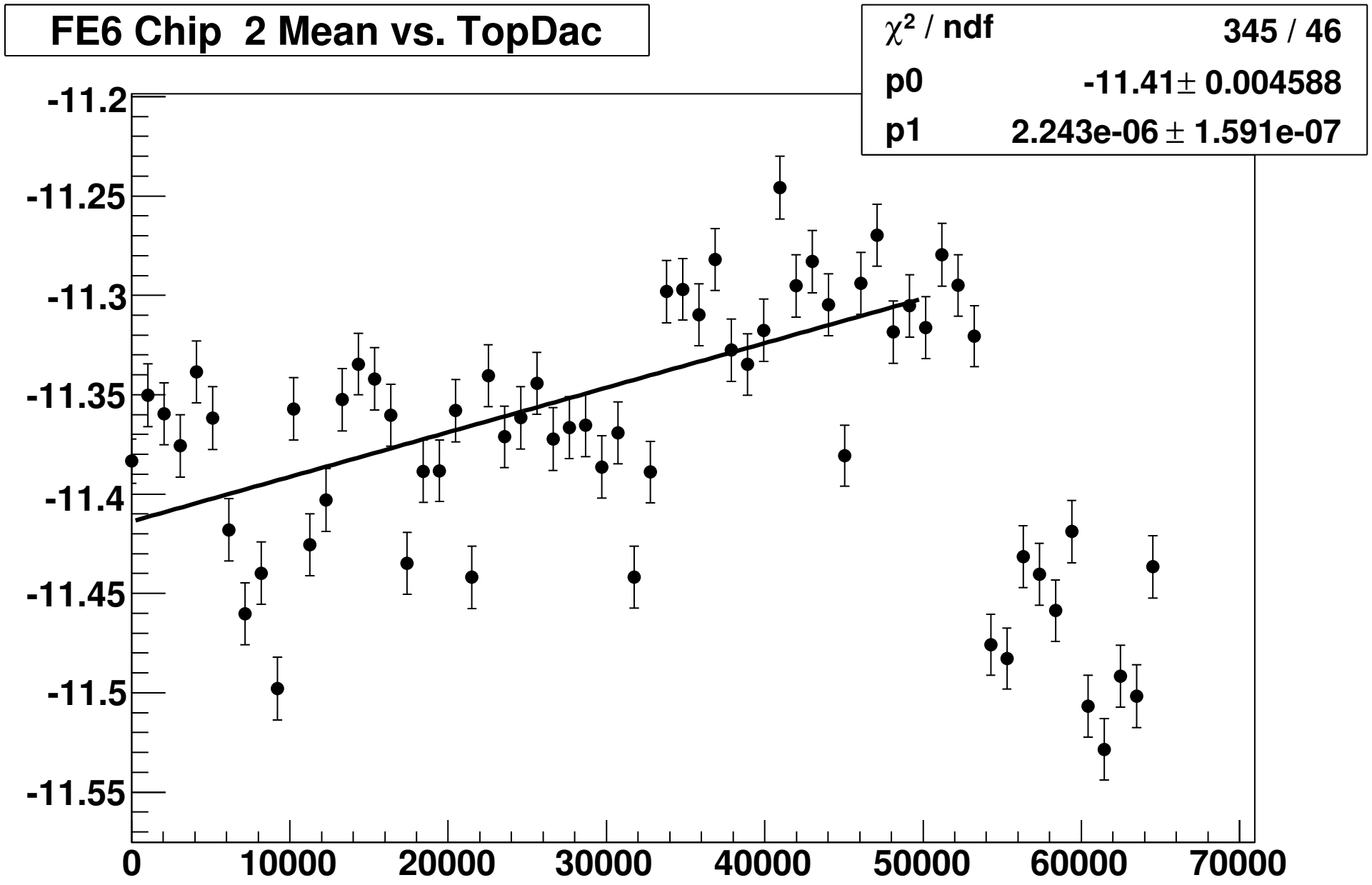
60000
70000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 345 / 46
p0 -11.41 ± 0.004588
p1 2.243e-06 ± 1.591e-07
-11.2
-11.25
-11.3
-11.35
-11.4
-11.45
-11.5
-11.55
0
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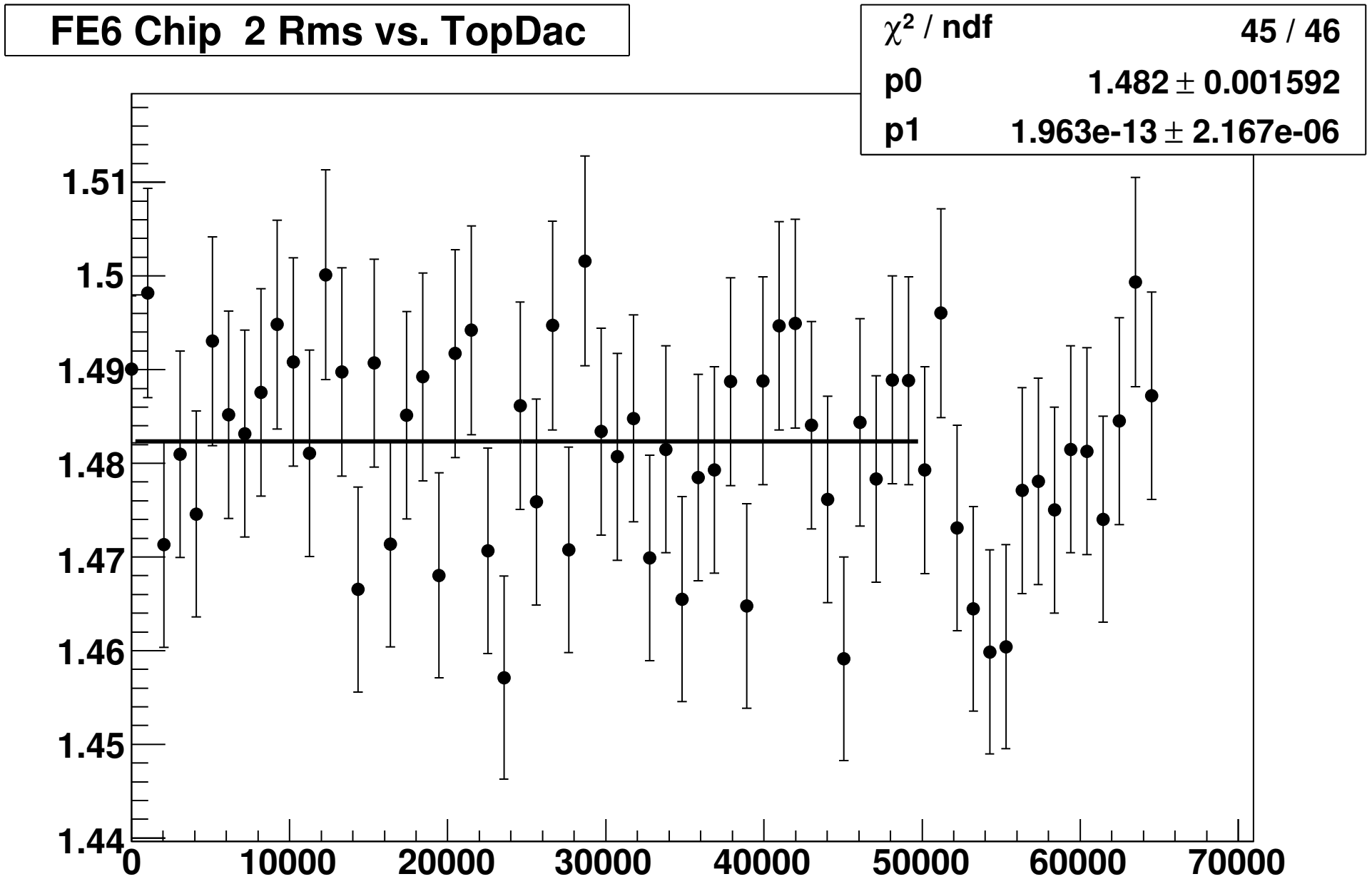
FE6 Chip 2 Rms vs. TopDac
χ² / ndf 45 / 46
p0 1.482 ± 0.001592
p1 1.963e-13 ± 2.167e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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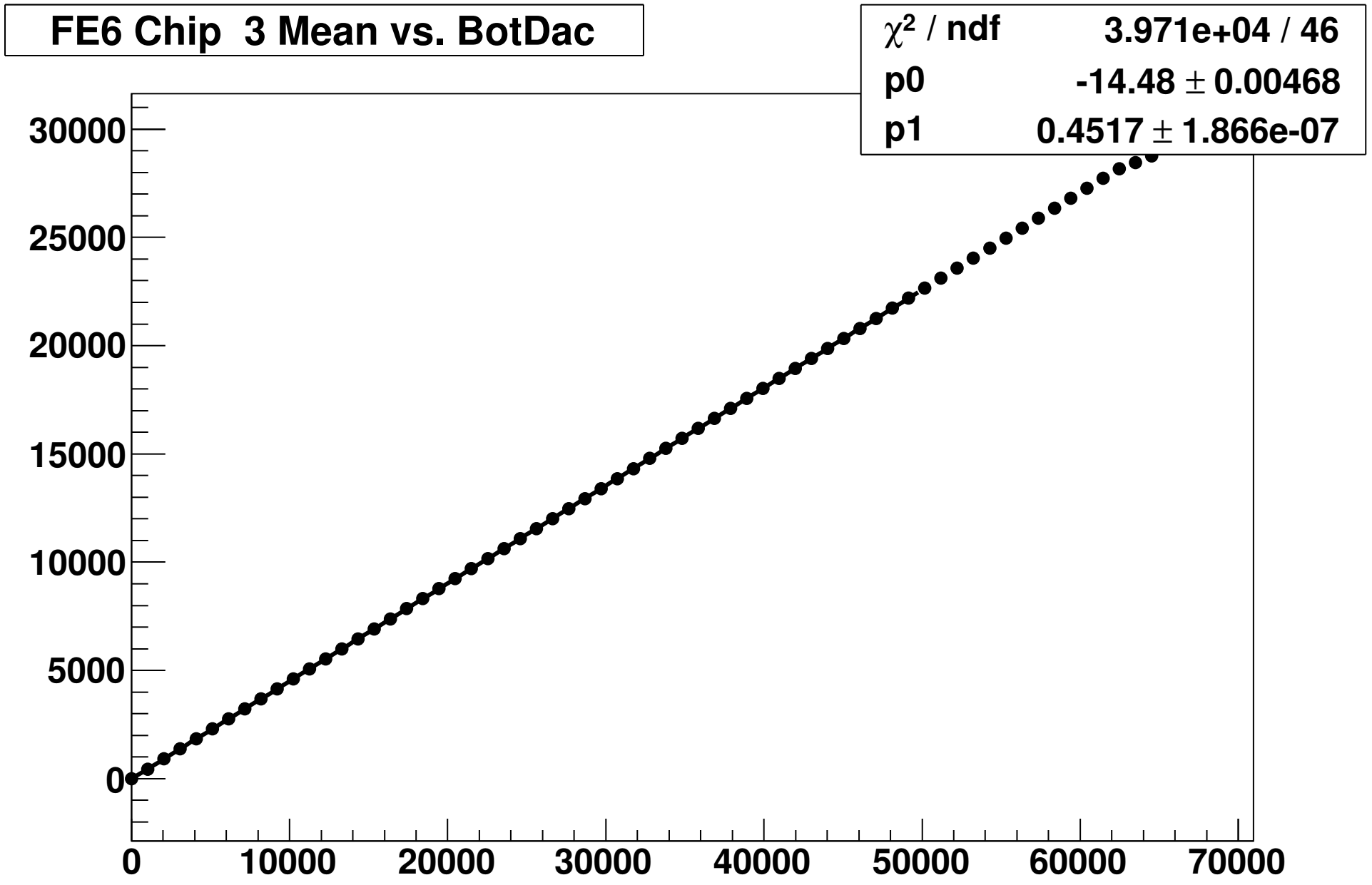
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 3.971e+04 / 46
p0 -14.48 ± 0.00468
p1 0.4517 ± 1.866e-07
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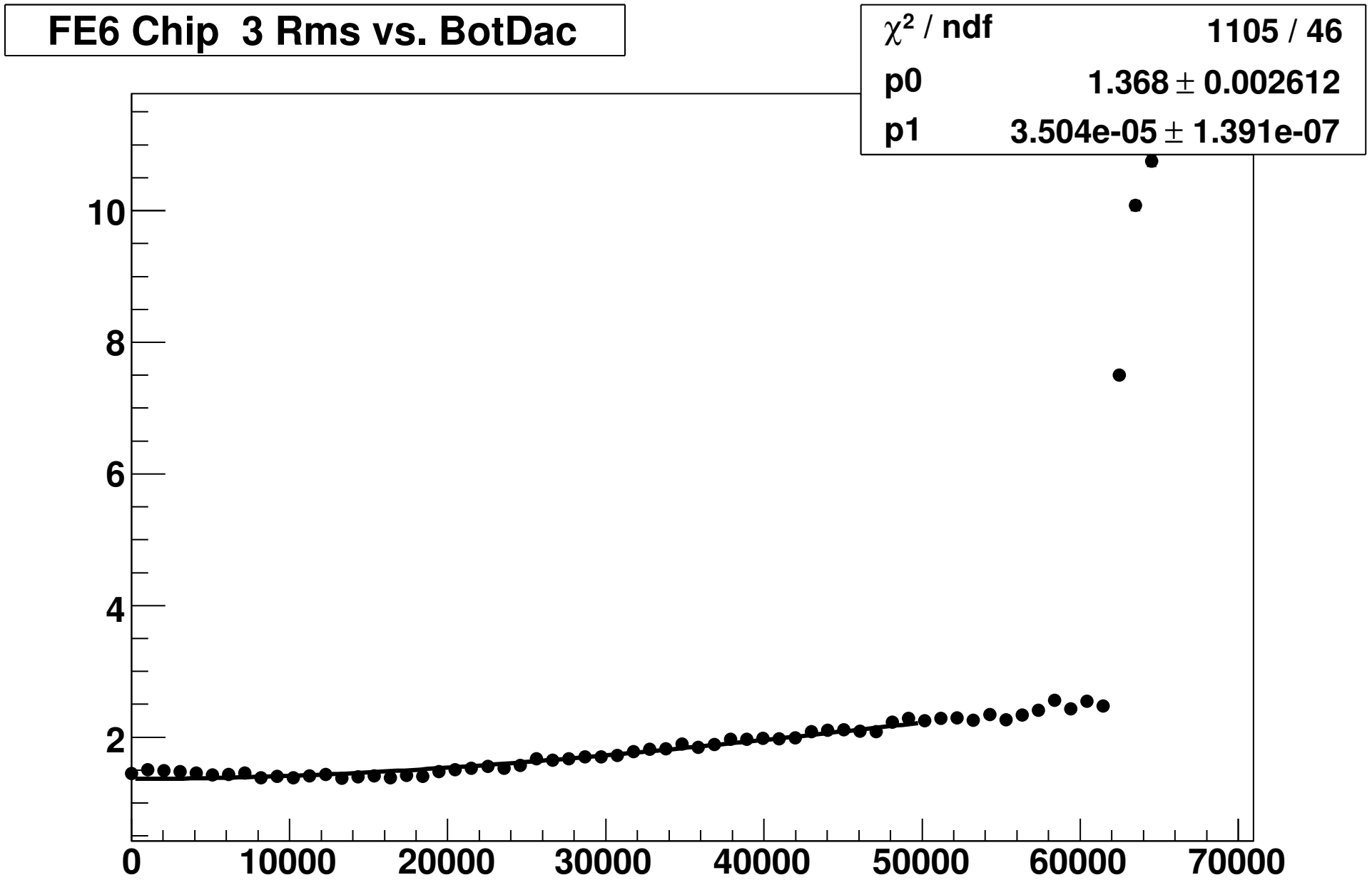
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 1105 / 46
p0 1.368 ± 0.002612
p1 3.504e-05 ± 1.391e-07
10
8
6
4
2
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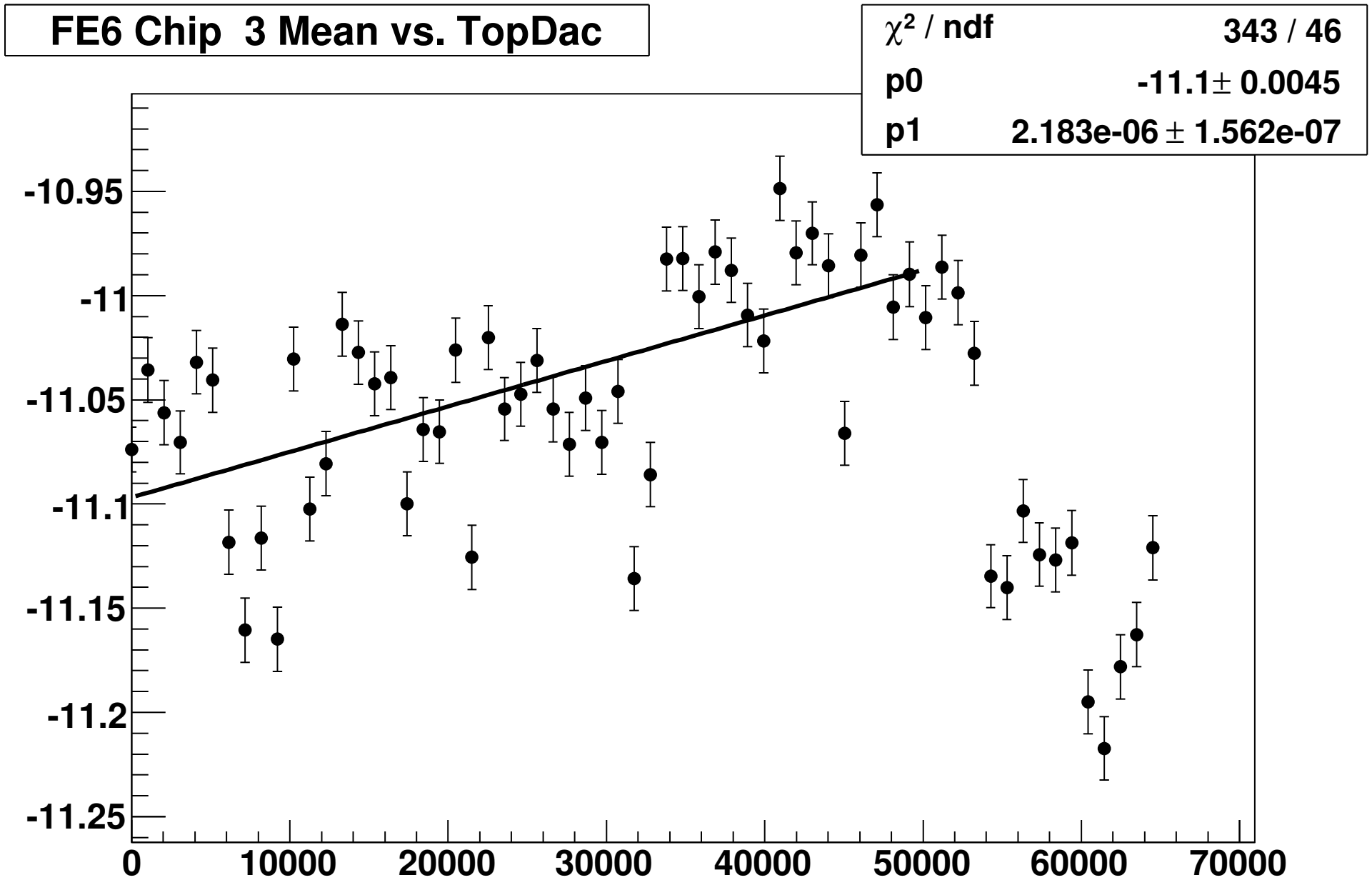
30000
40000
50000
60000
70000


FE6 Chip 3 Mean vs. TopDac
χ² / ndf 343 / 46
p0 -11.1 ± 0.0045
p1 2.183e-06 ± 1.562e-07
-10.95
-11
-11.05
-11.1
-11.15
-11.2
-11.25
0
10000
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30000
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60000
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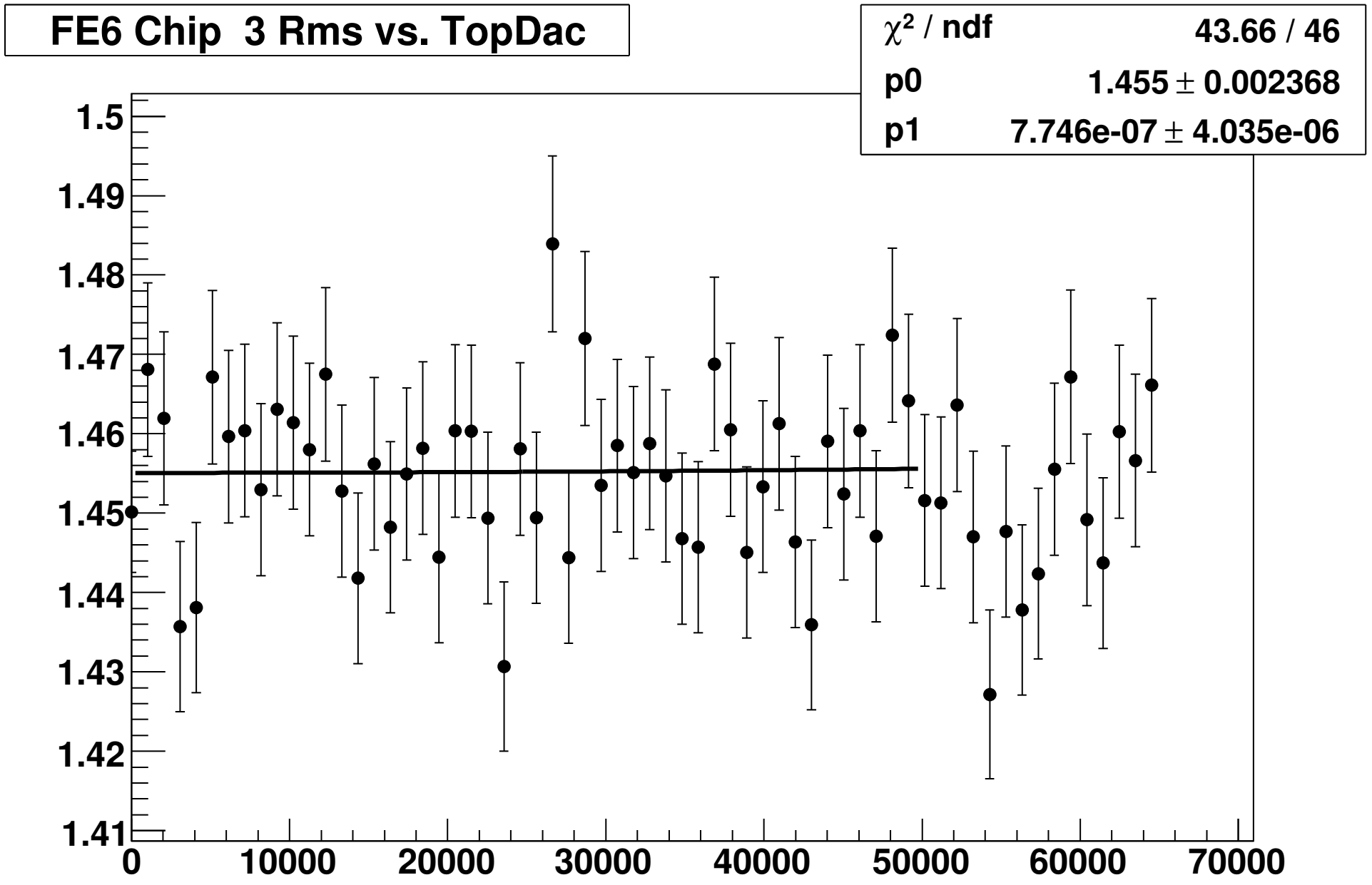
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 43.66 / 46
p0 1.455 ± 0.002368
p1 7.746e-07 ± 4.035e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
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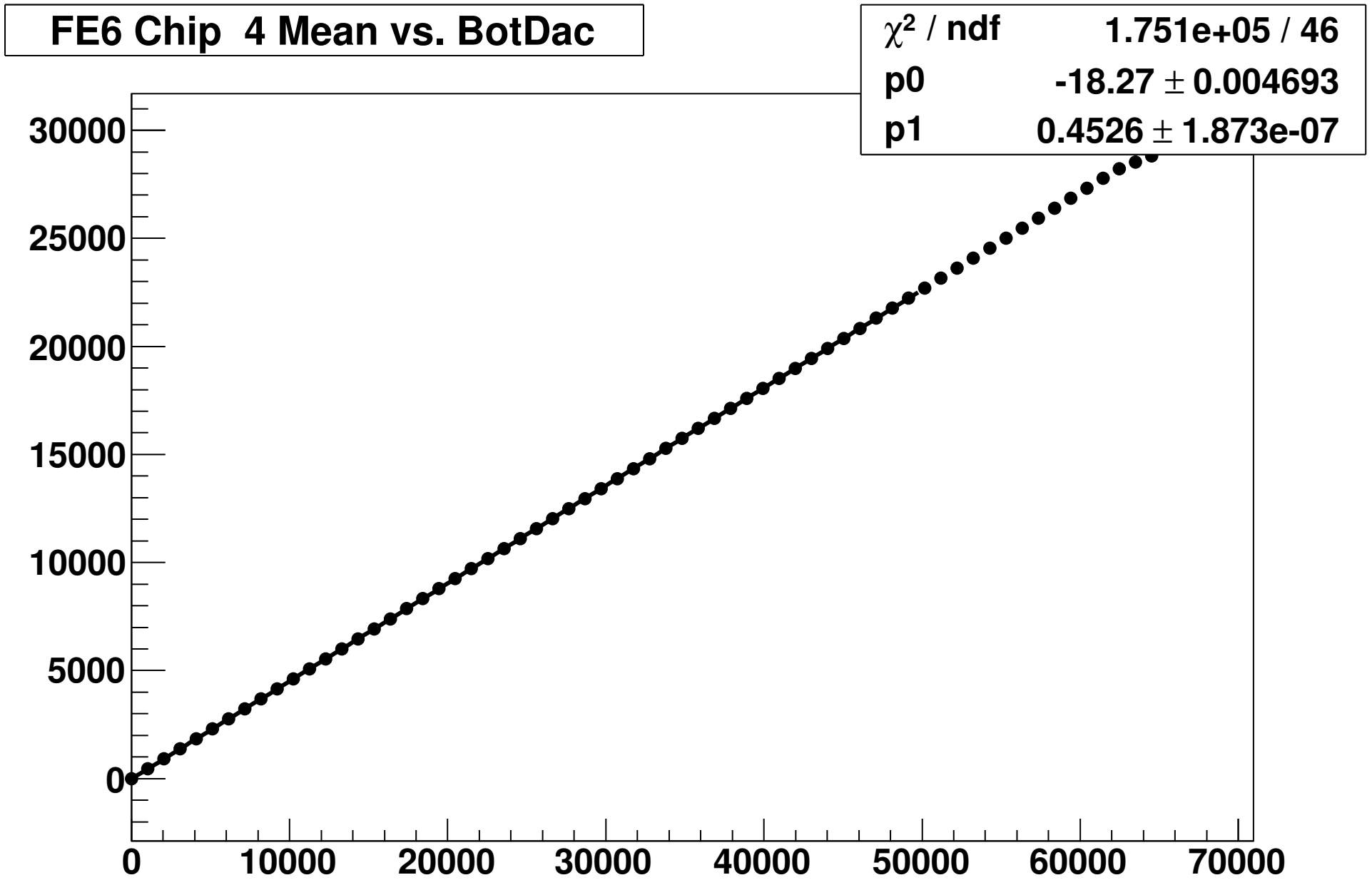
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 1.751e+05 / 46
p0 -18.27 ± 0.004693
p1 0.4526 ± 1.873e-07
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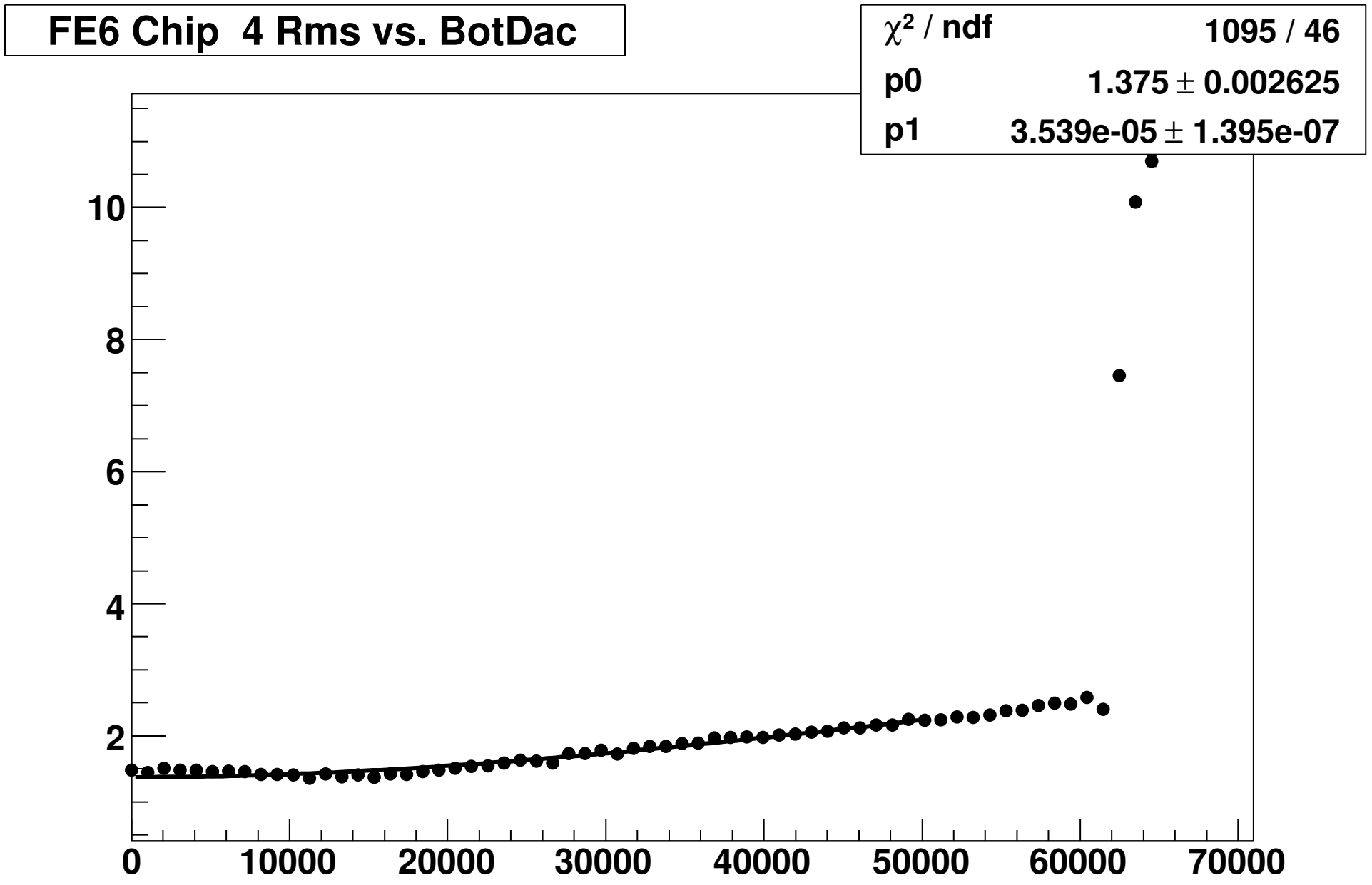
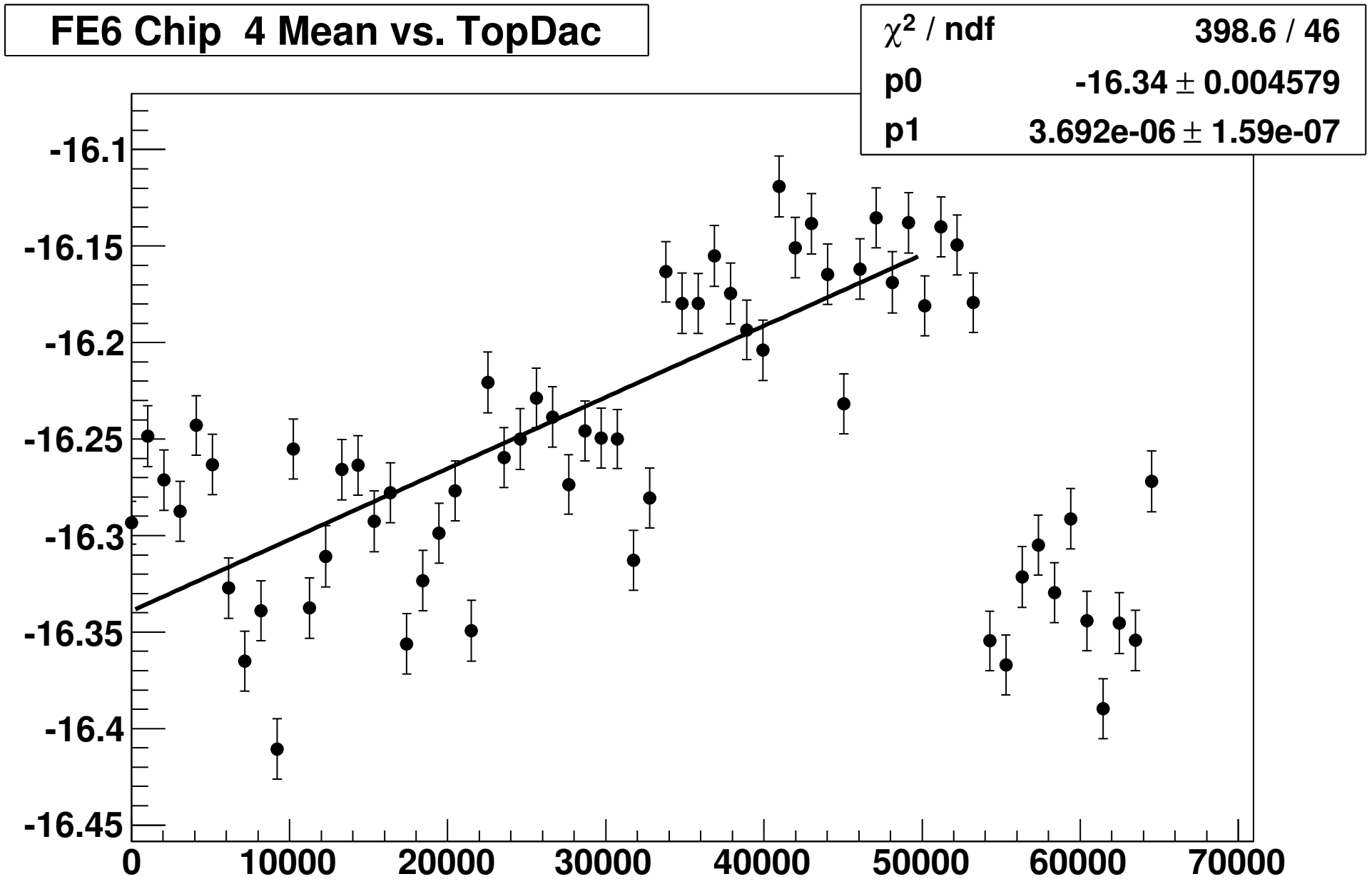
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 1095 / 46
p0 1.375 ± 0.002625
p1 3.539e-05 ± 1.395e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 4 Mean vs. TopDac
χ² / ndf 398.6 / 46
p0 -16.34 ± 0.004579
p1 3.692e-06 ± 1.59e-07
-16.1
-16.15
-16.2
-16.25
-16.3
-16.35
-16.4
-16.45
0
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20000
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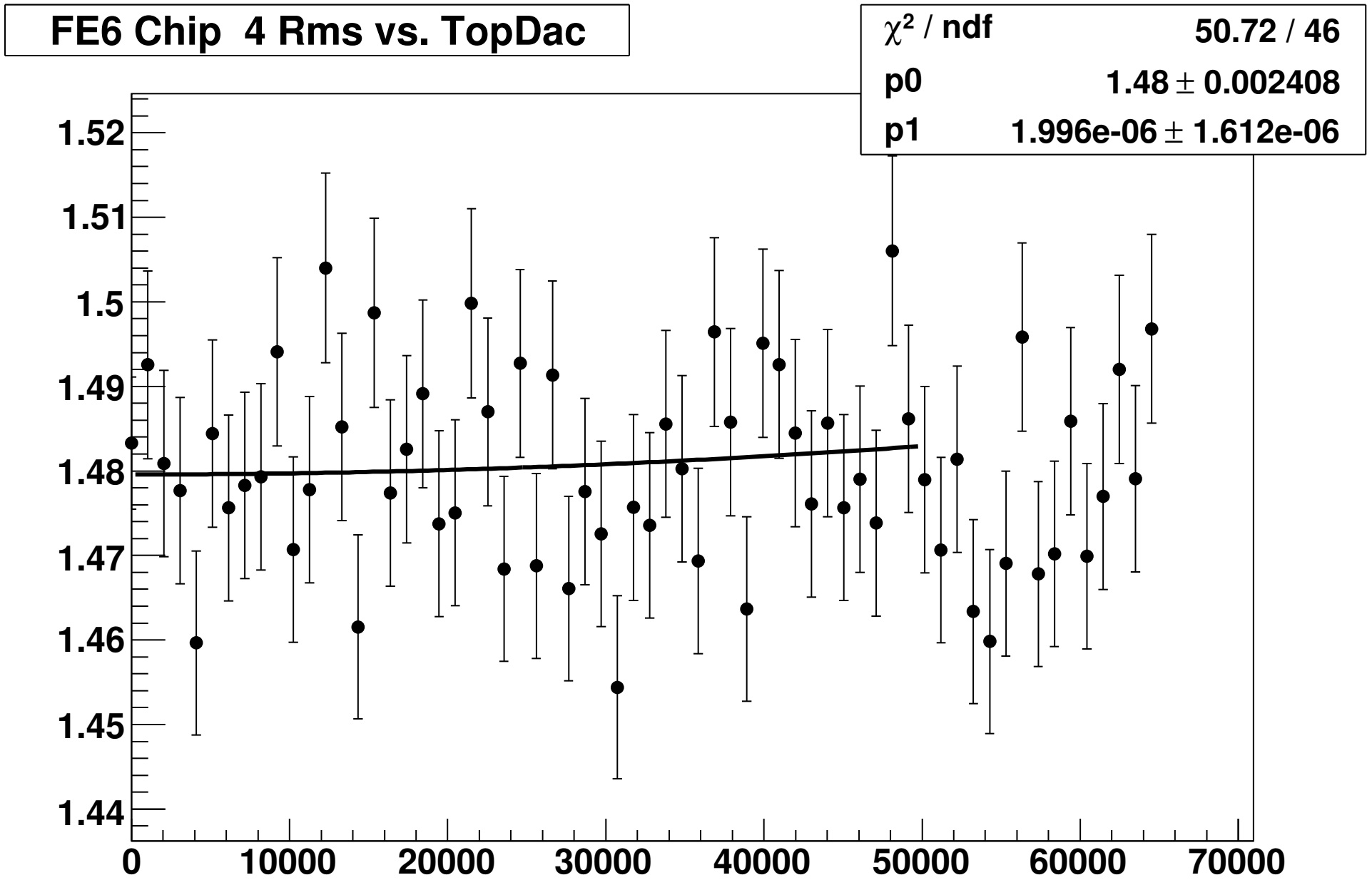
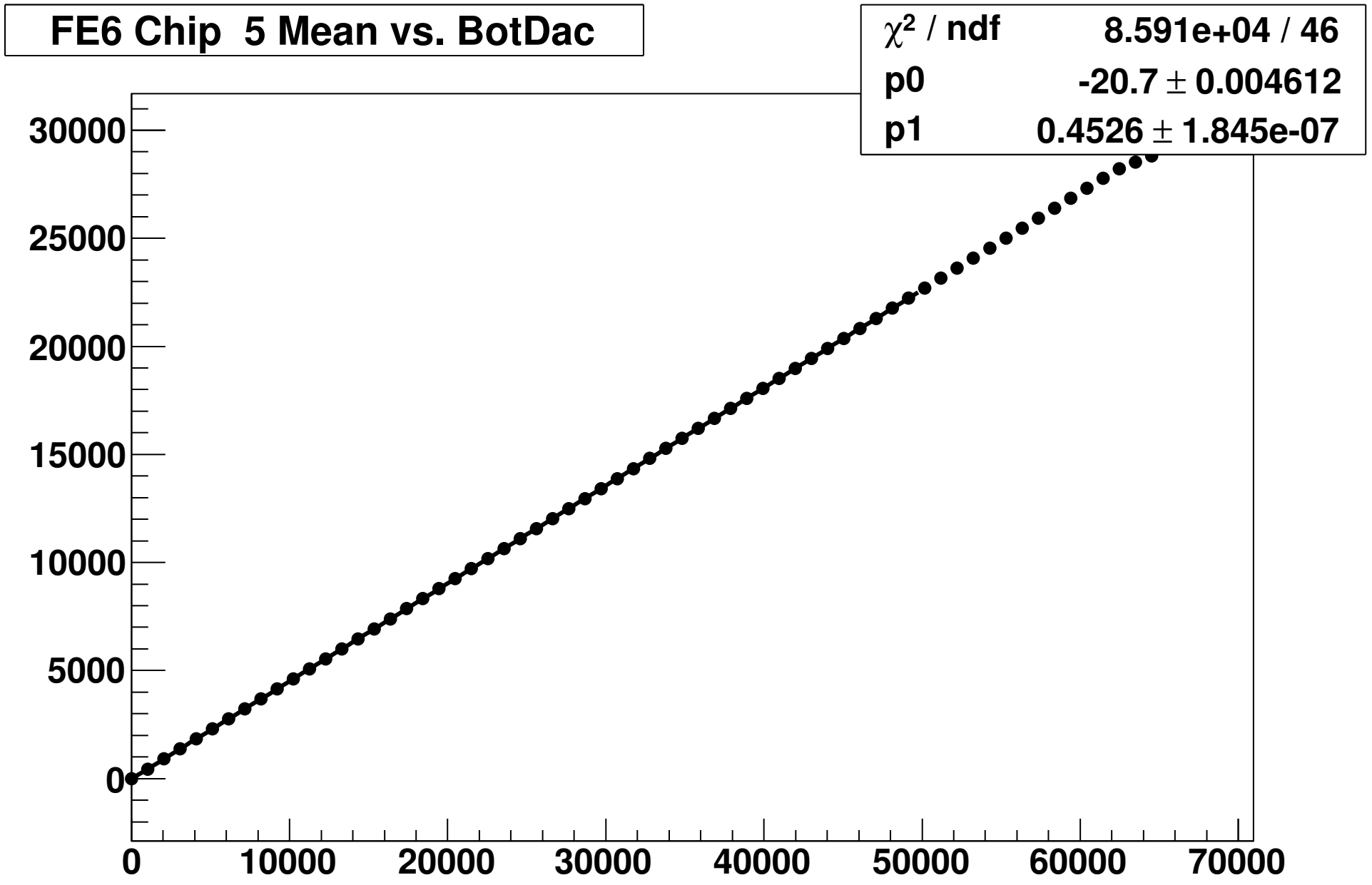
40000
50000
60000
70000


FE6 Chip 4 Rms vs. TopDac
χ² / ndf 50.72 / 46
p0 1.48 ± 0.002408
p1 1.996e-06 ± 1.612e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Mean vs. BotDac
χ² / ndf 8.591e+04 / 46
p0 -20.7 ± 0.004612
p1 0.4526 ± 1.845e-07
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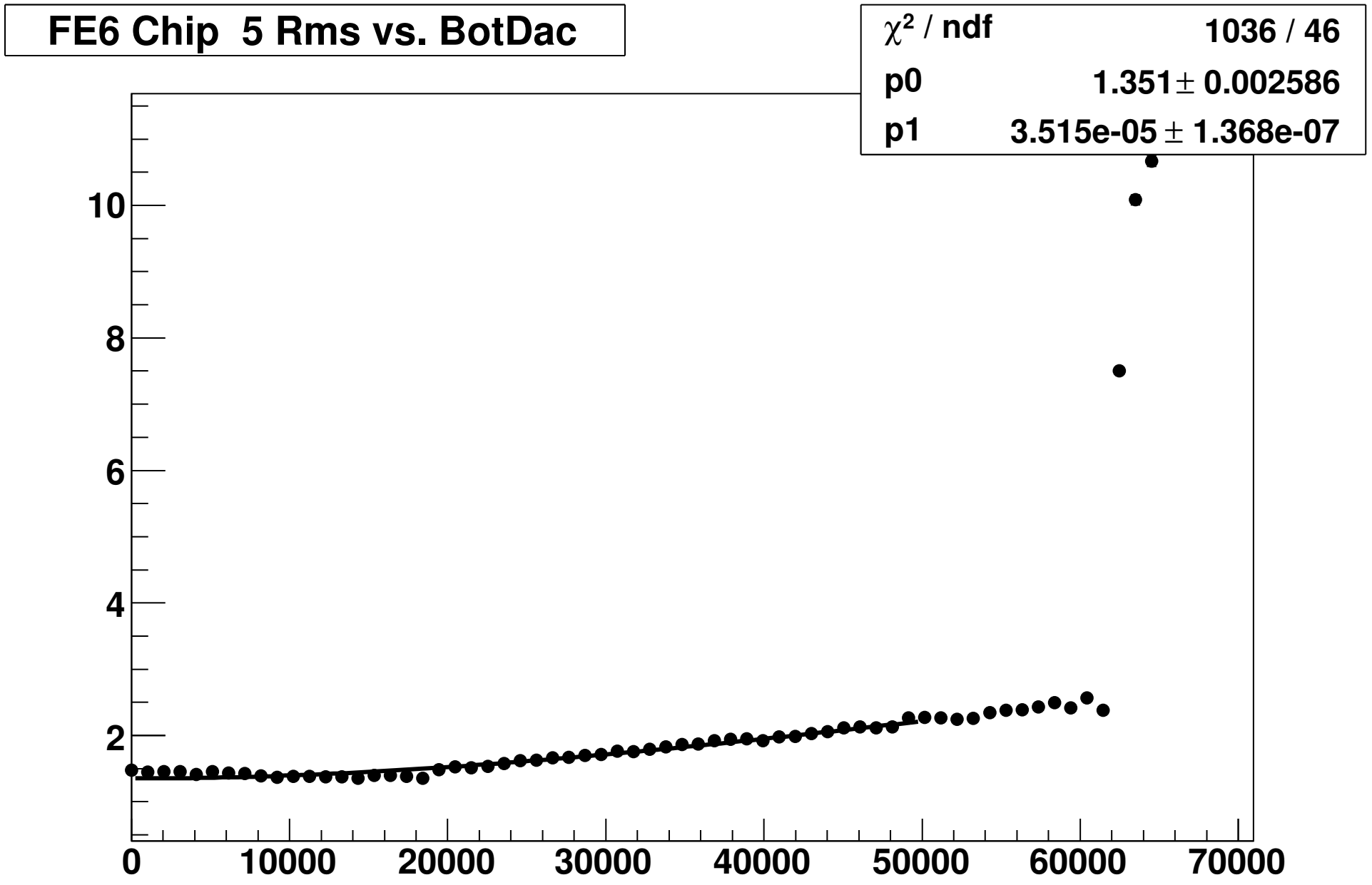
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 1036 / 46
p0 1.351 ± 0.002586
p1 3.515e-05 ± 1.368e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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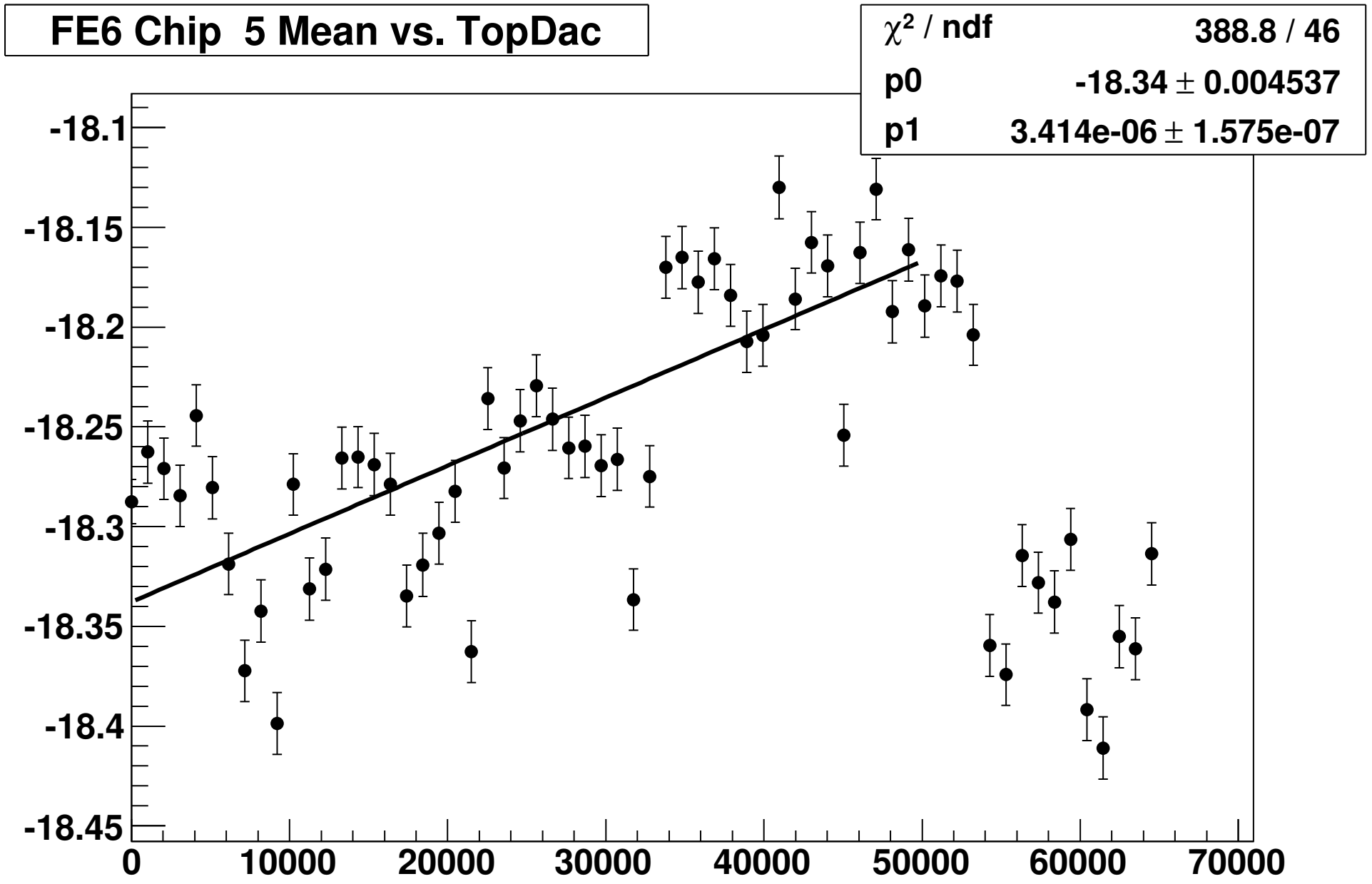
FE6 Chip 5 Mean vs. TopDac
χ² / ndf 388.8 / 46
p0 -18.34 ± 0.004537
p1 3.414e-06 ± 1.575e-07
-18.1
-18.15
-18.2
-18.25
-18.3
-18.35
-18.4
-18.45
0
10000
20000
30000
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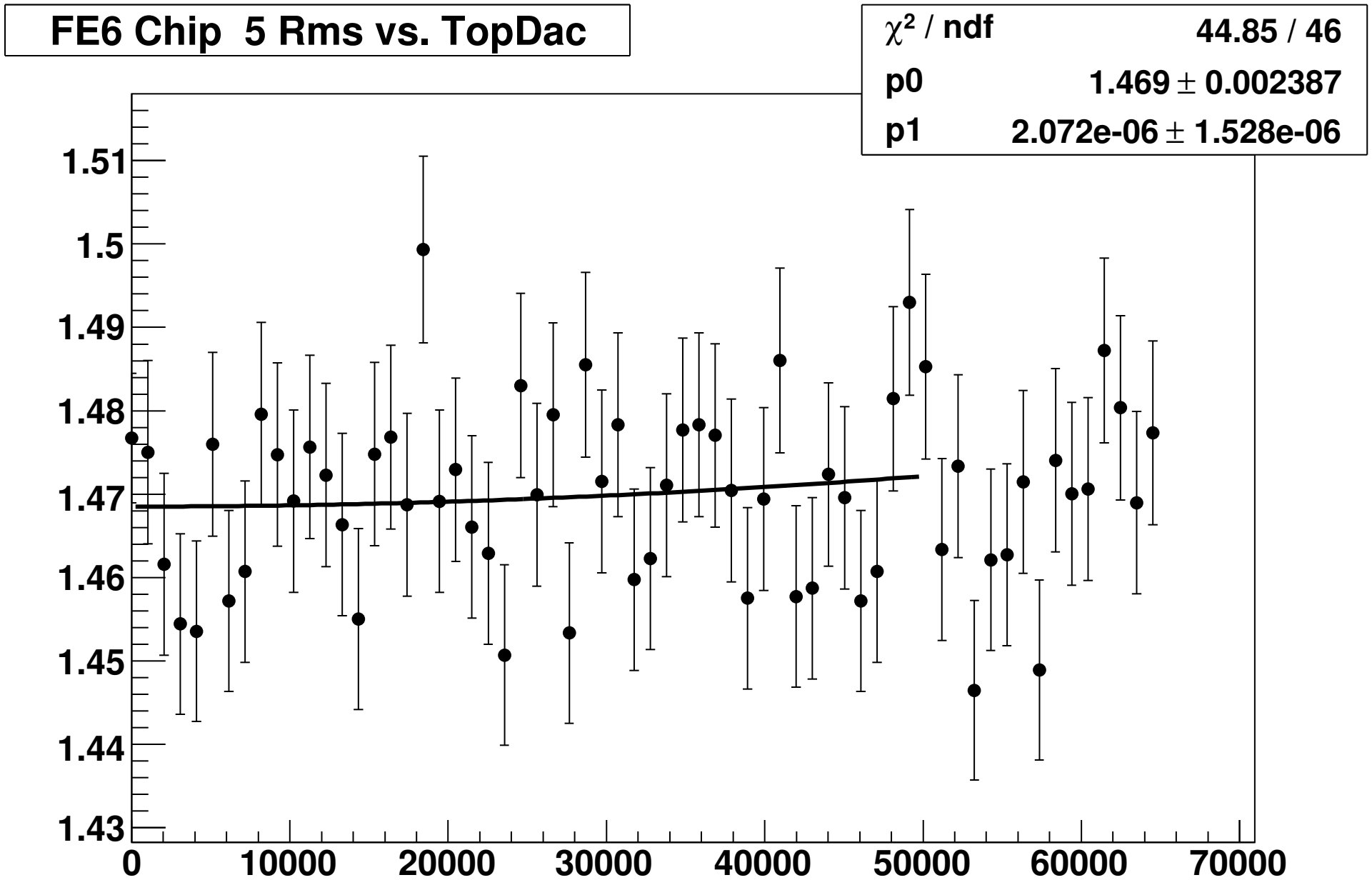
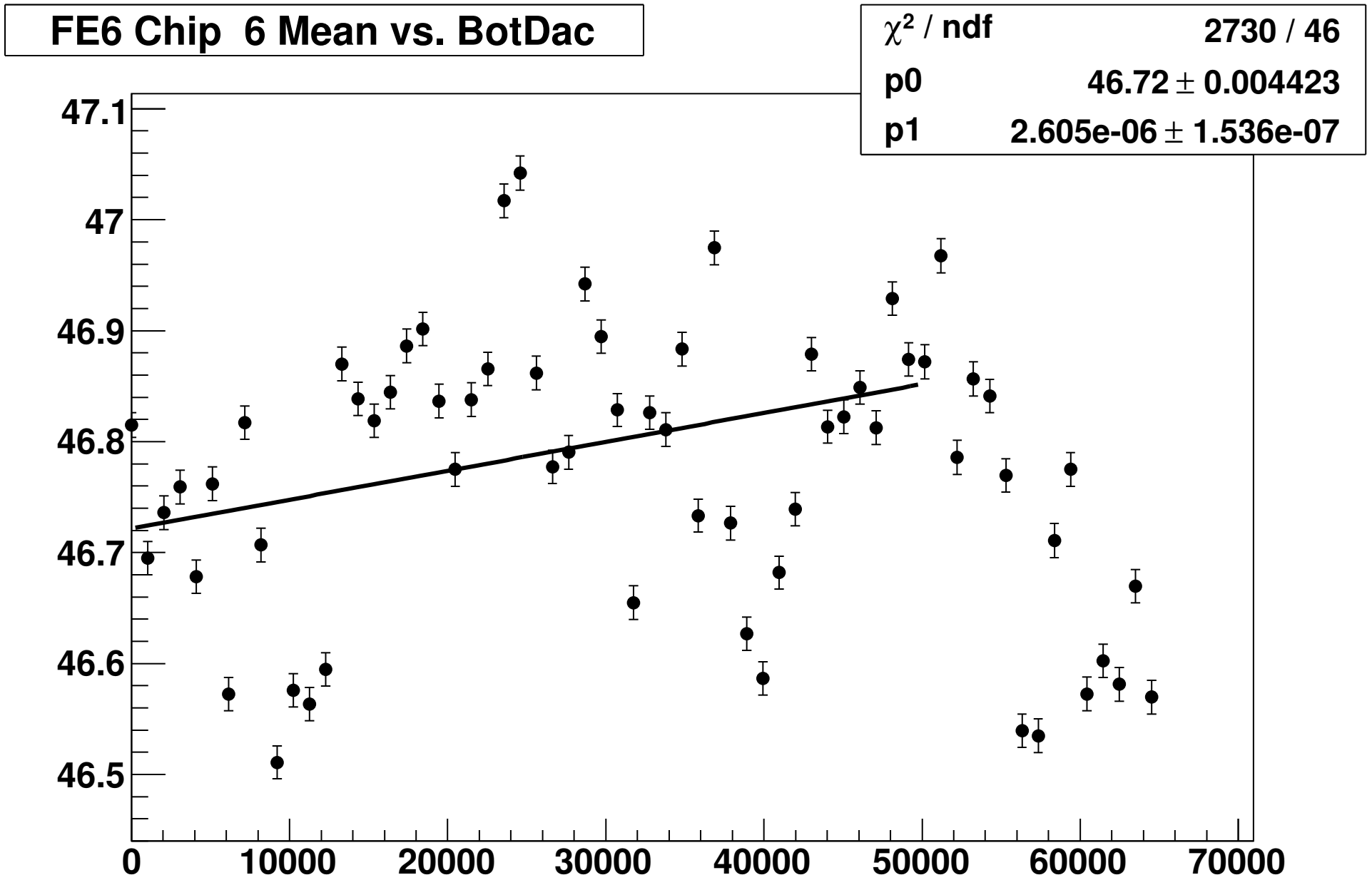
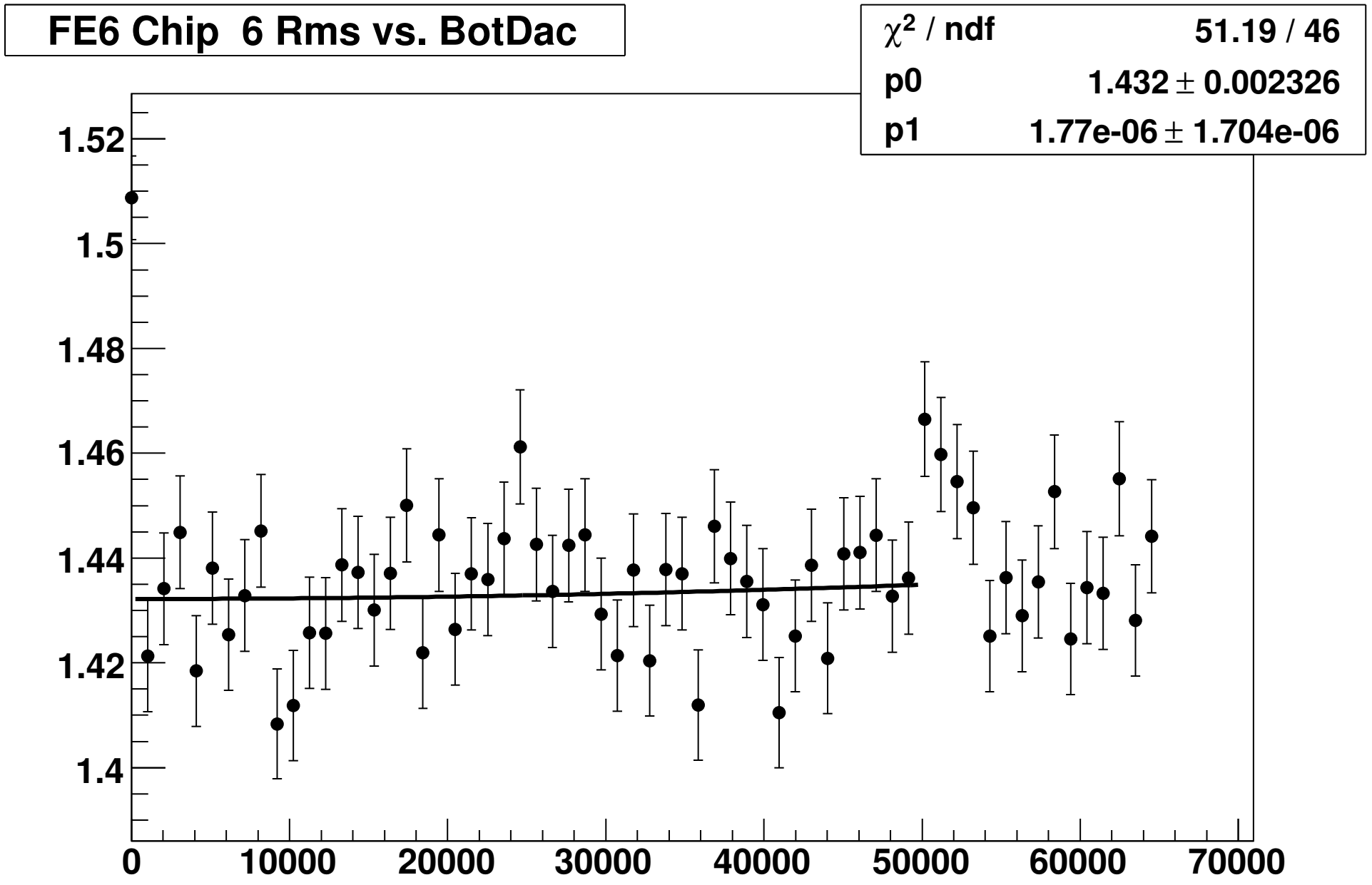
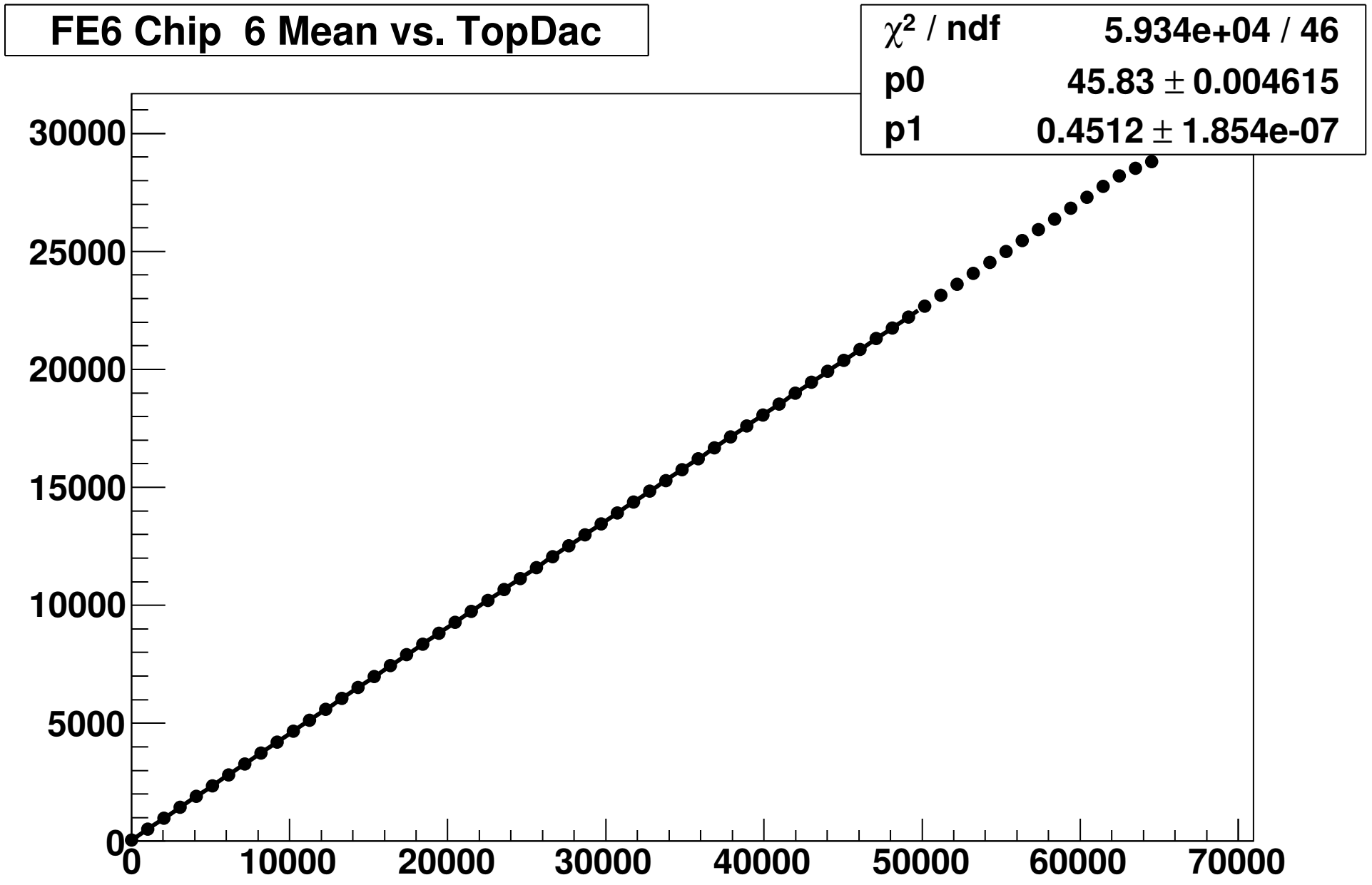
50000
60000
70000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 44.85 / 46
p0 1.469 ± 0.002387
p1 2.072e-06 ± 1.528e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 2730 / 46
p0 46.72 ± 0.004423
p1 2.605e-06 ± 1.536e-07
47.1
47
46.9
46.8
46.7
46.6
46.5
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 51.19 / 46
p0 1.432 ± 0.002326
p1 1.77e-06 ± 1.704e-06
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 5.934e+04 / 46
p0 45.83 ± 0.004615
p1 0.4512 ± 1.854e-07
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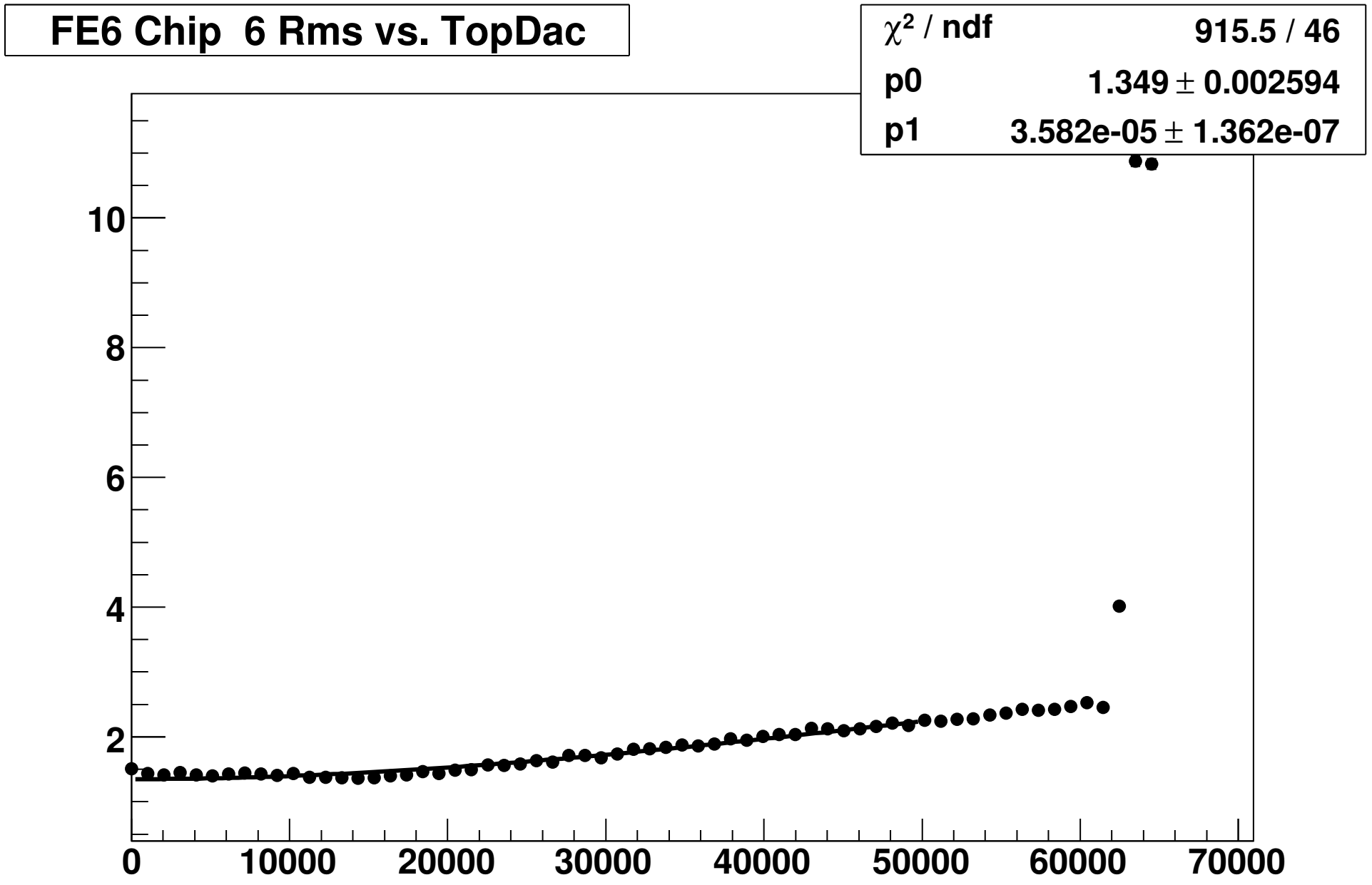
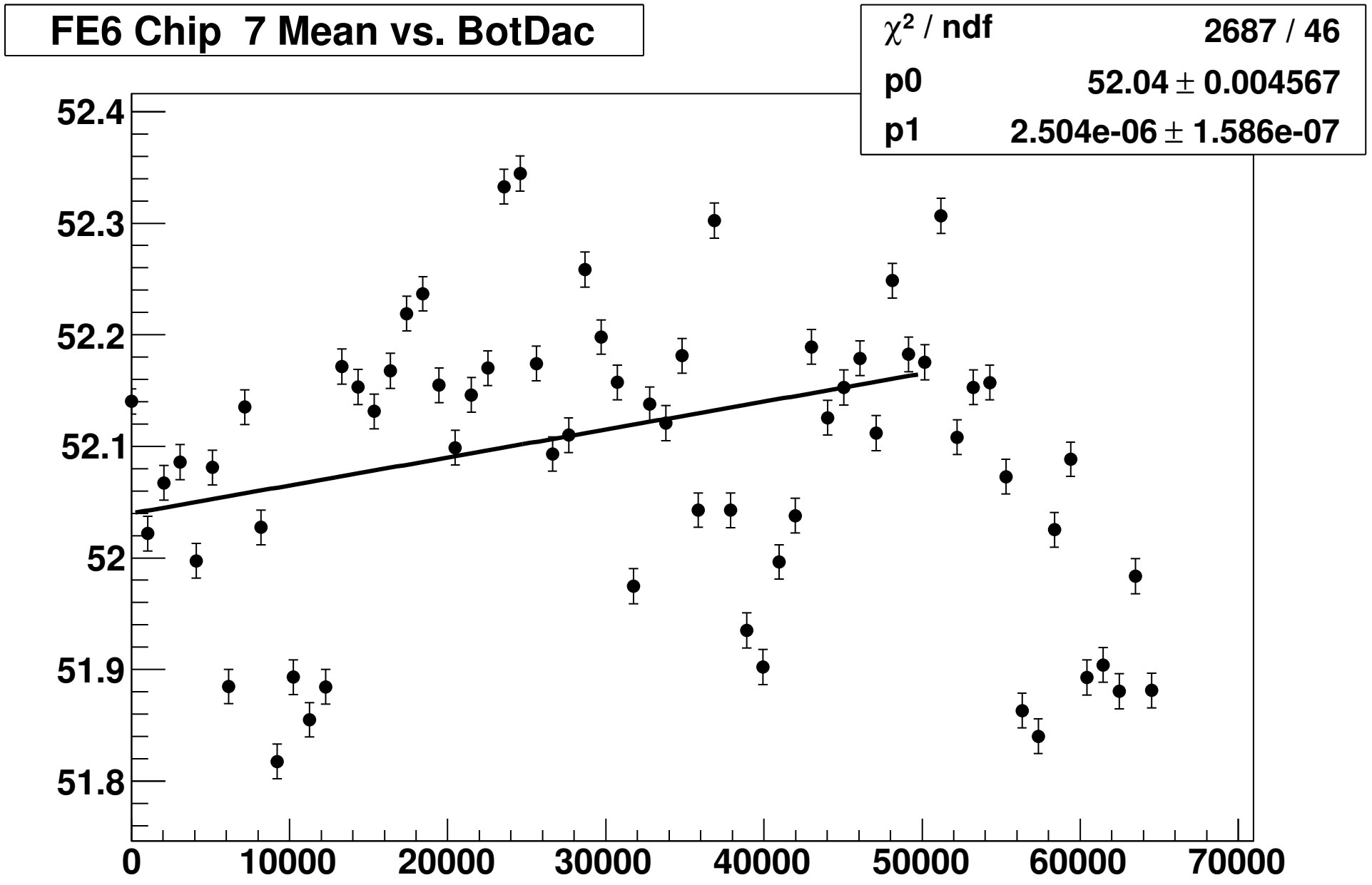
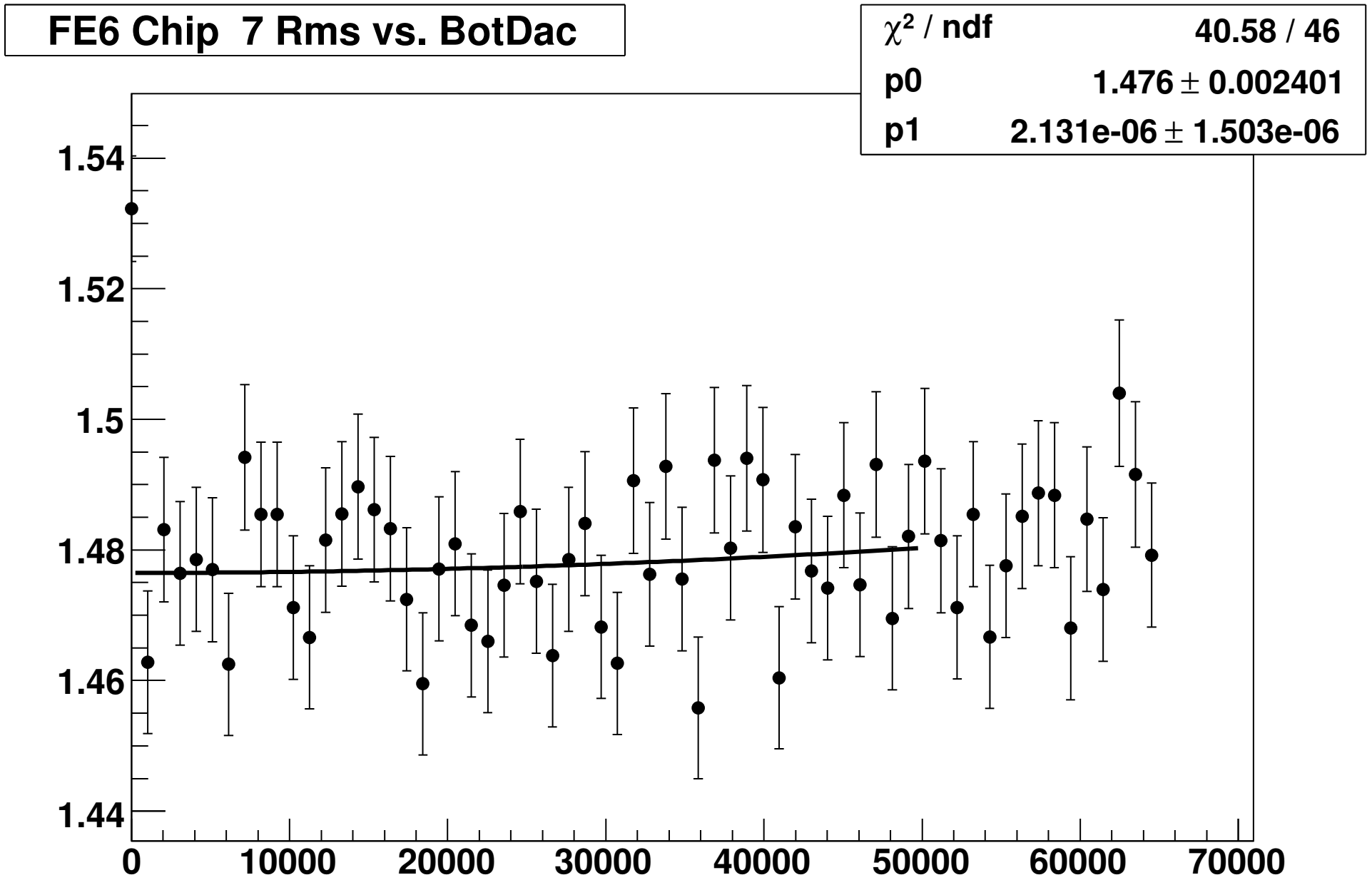
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 915.5 / 46
p0 1.349 ± 0.002594
p1 3.582e-05 ± 1.362e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 2687 / 46
p0 52.04 ± 0.004567
p1 2.504e-06 ± 1.586e-07
52.4
52.3
52.2
52.1
52
51.9
51.8
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 40.58 / 46
p0 1.476 ± 0.002401
p1 2.131e-06 ± 1.503e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
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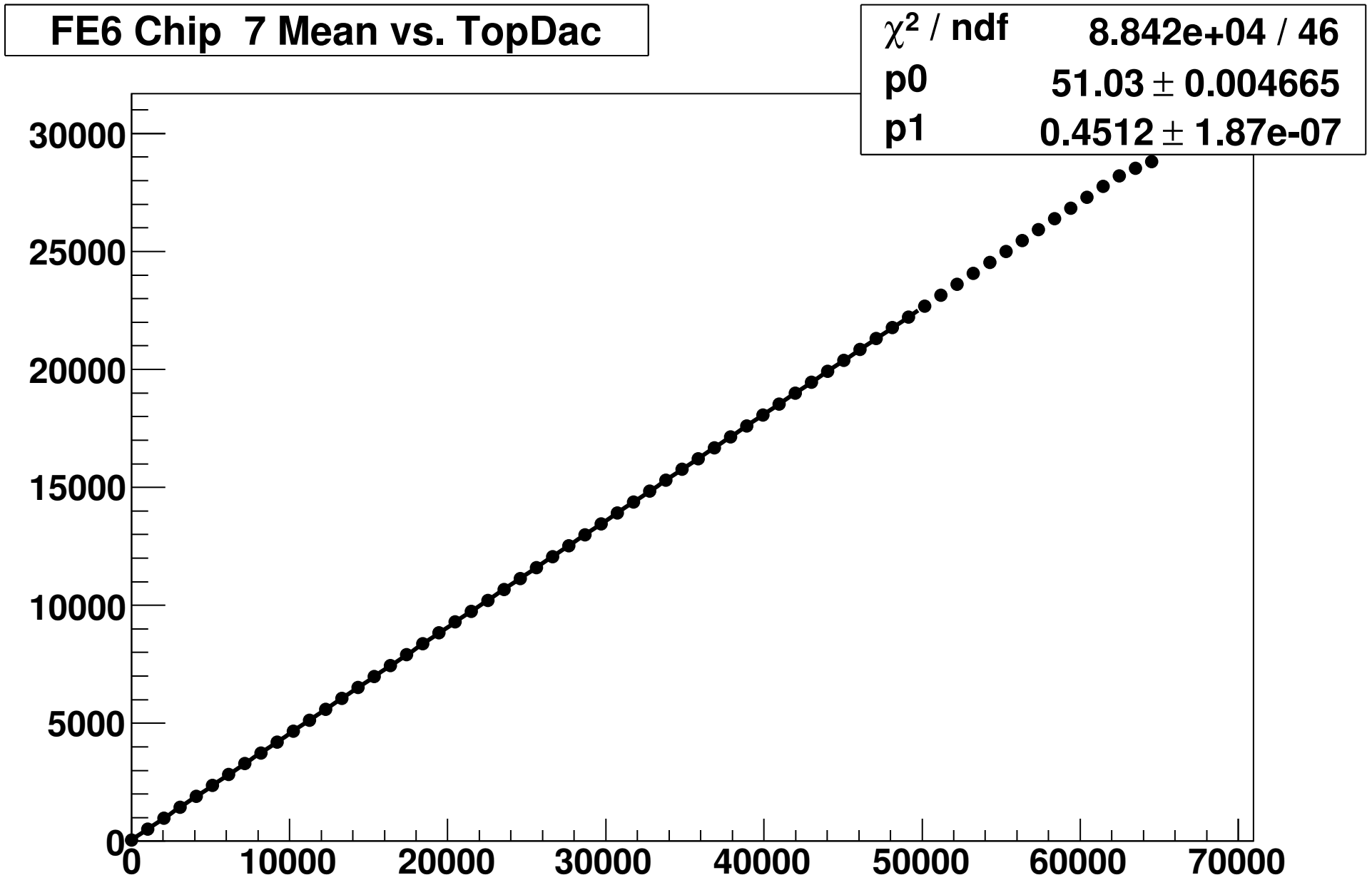
50000
60000
70000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 8.842e+04 / 46
p0 51.03 ± 0.004665
p1 0.4512 ± 1.87e-07
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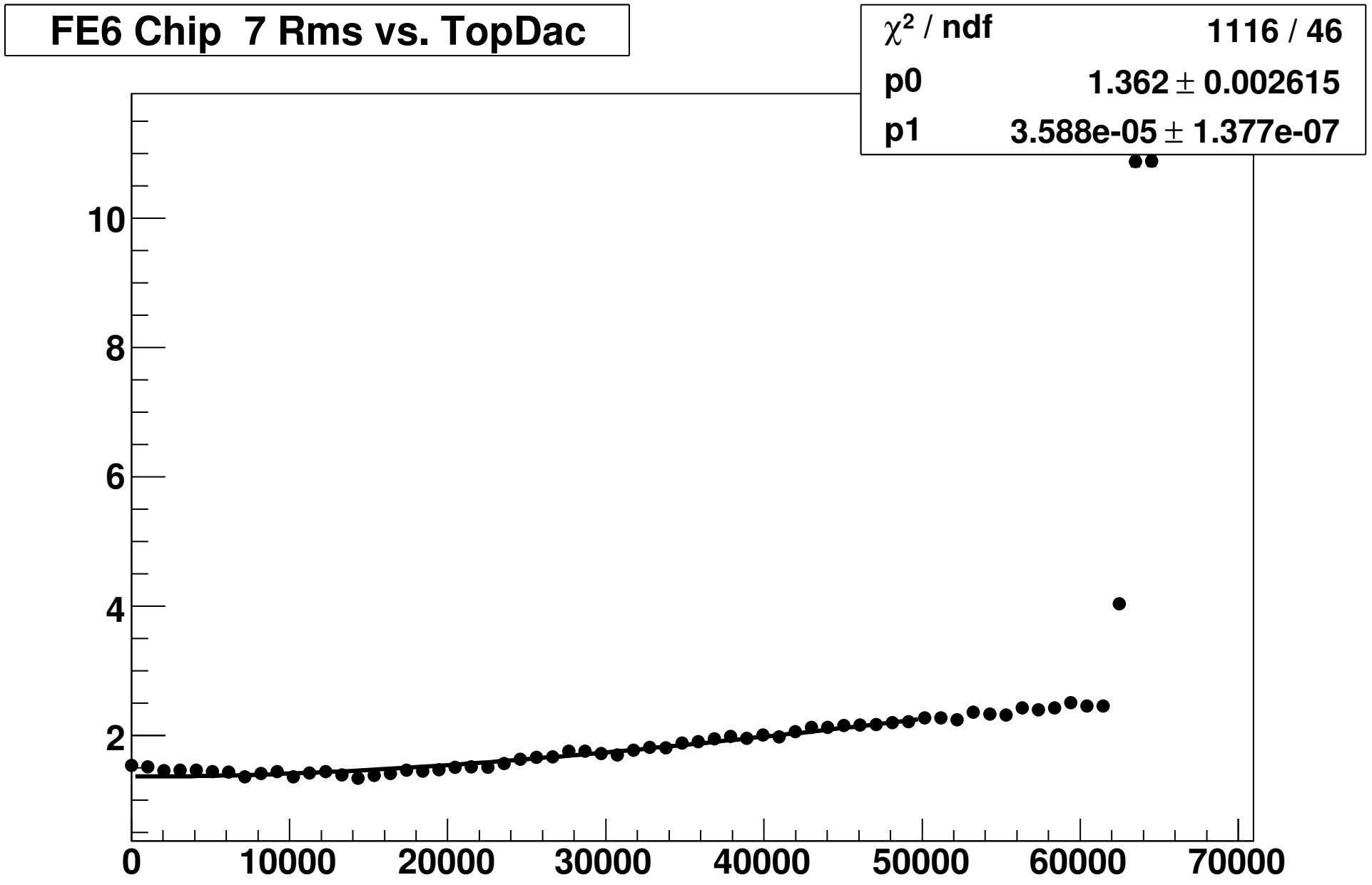
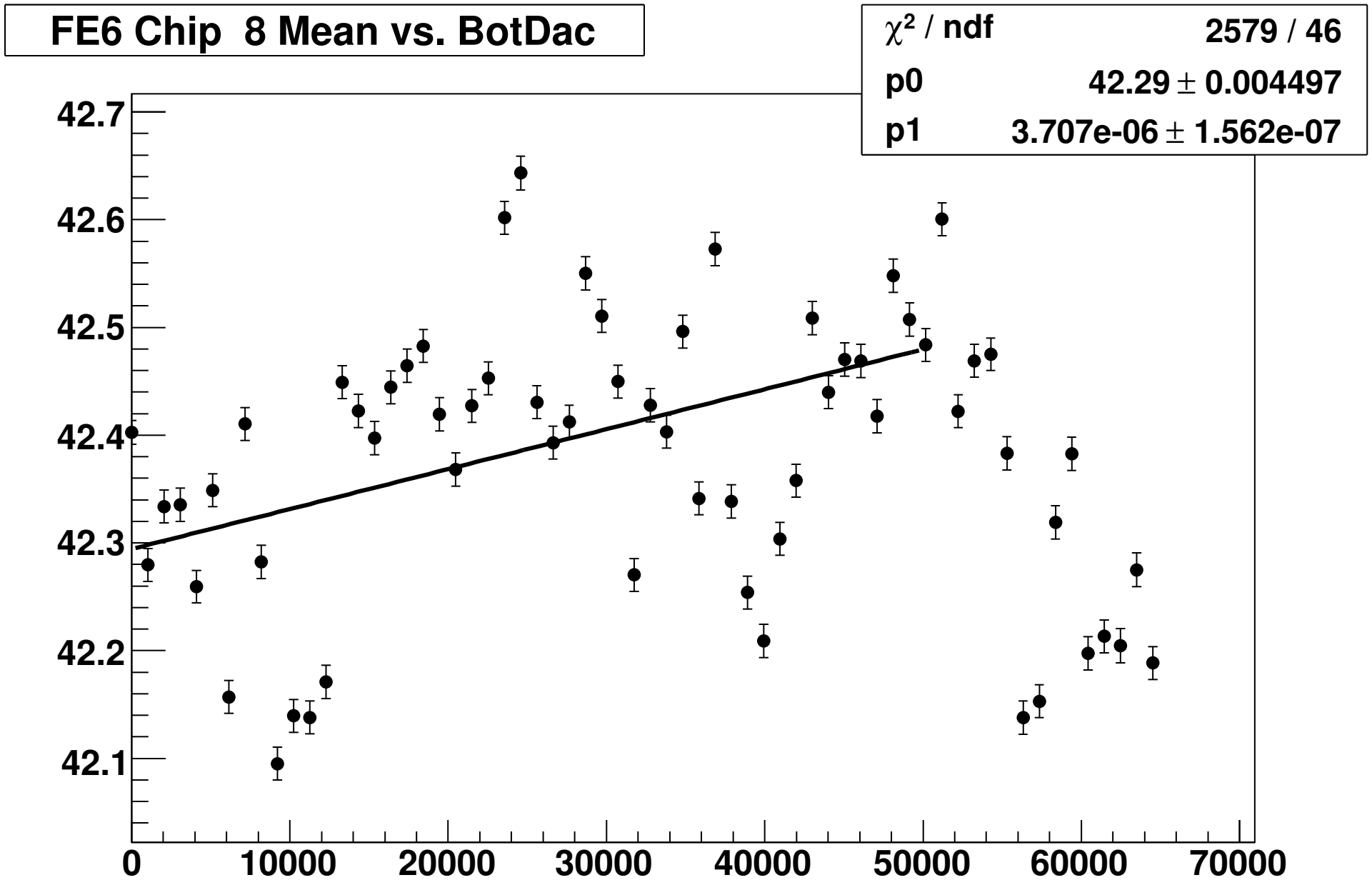
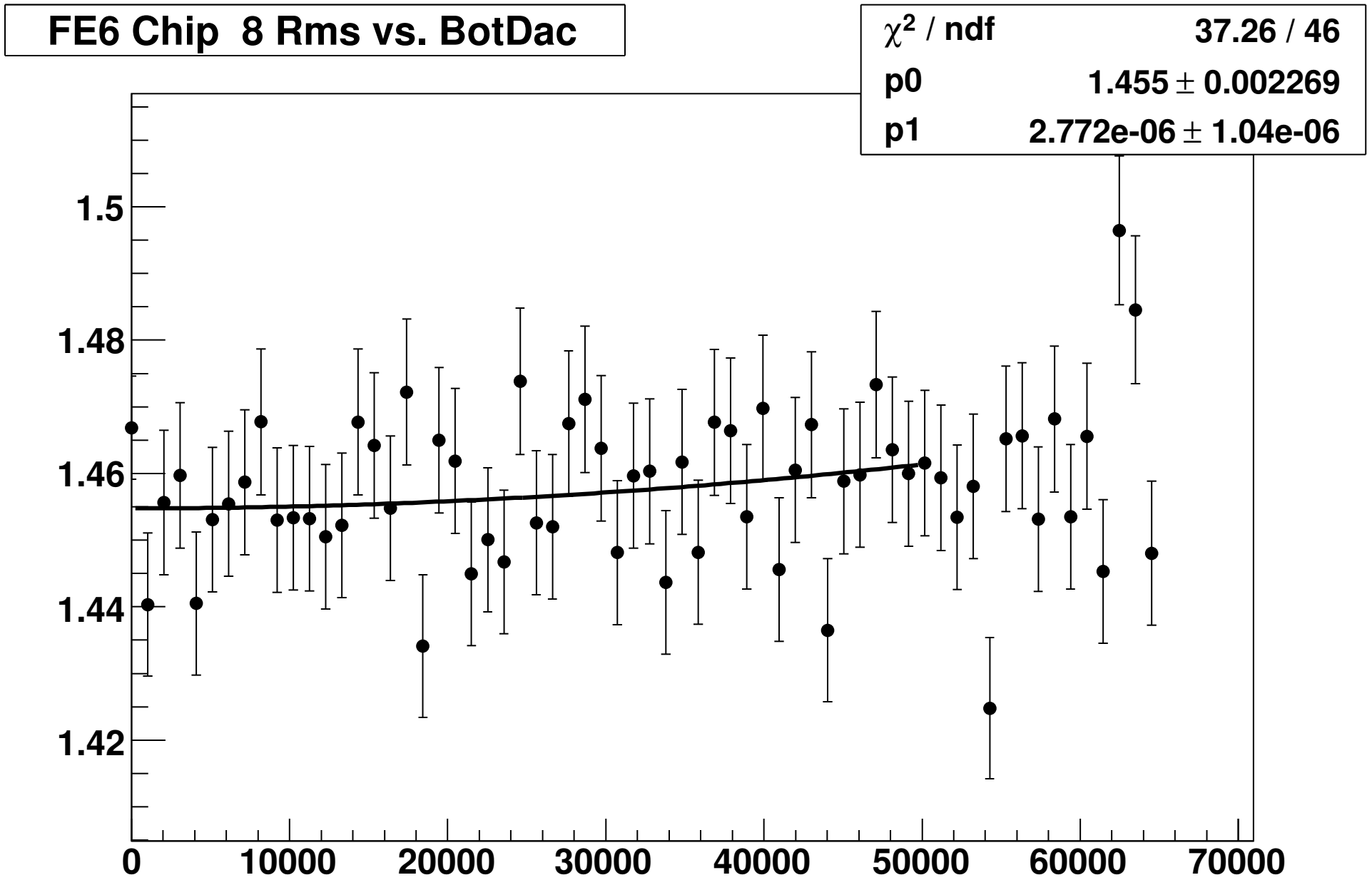
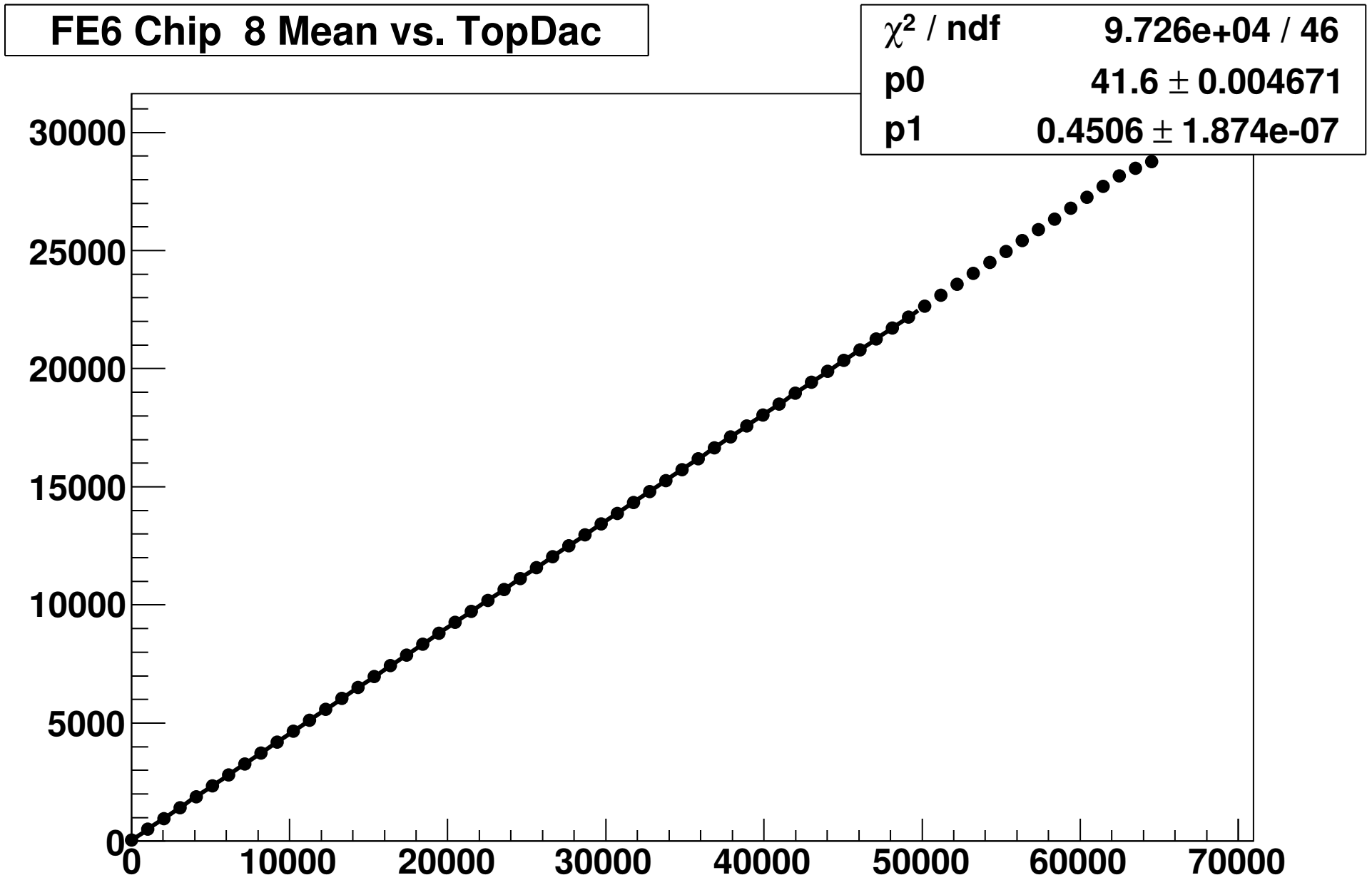
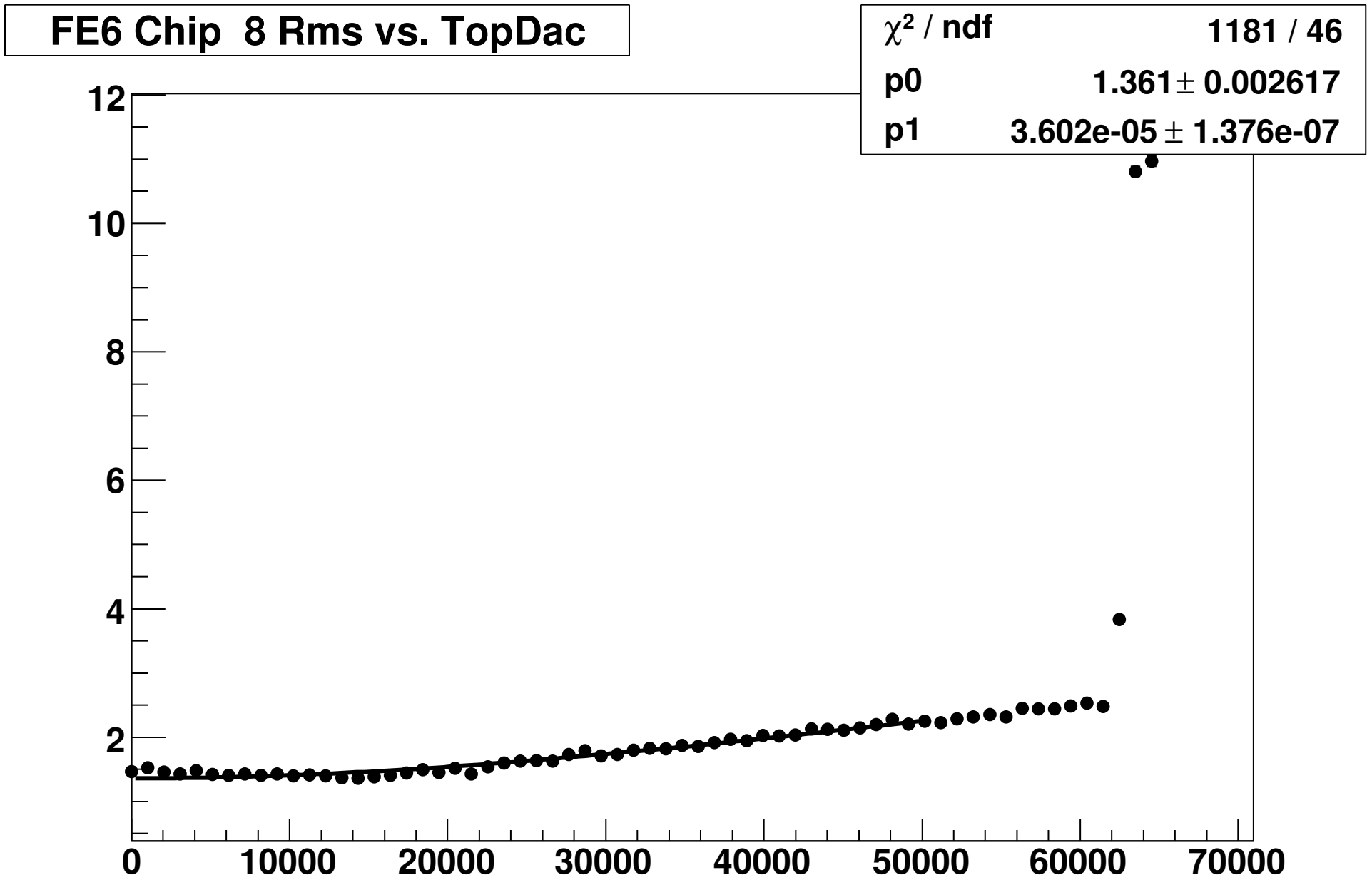
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

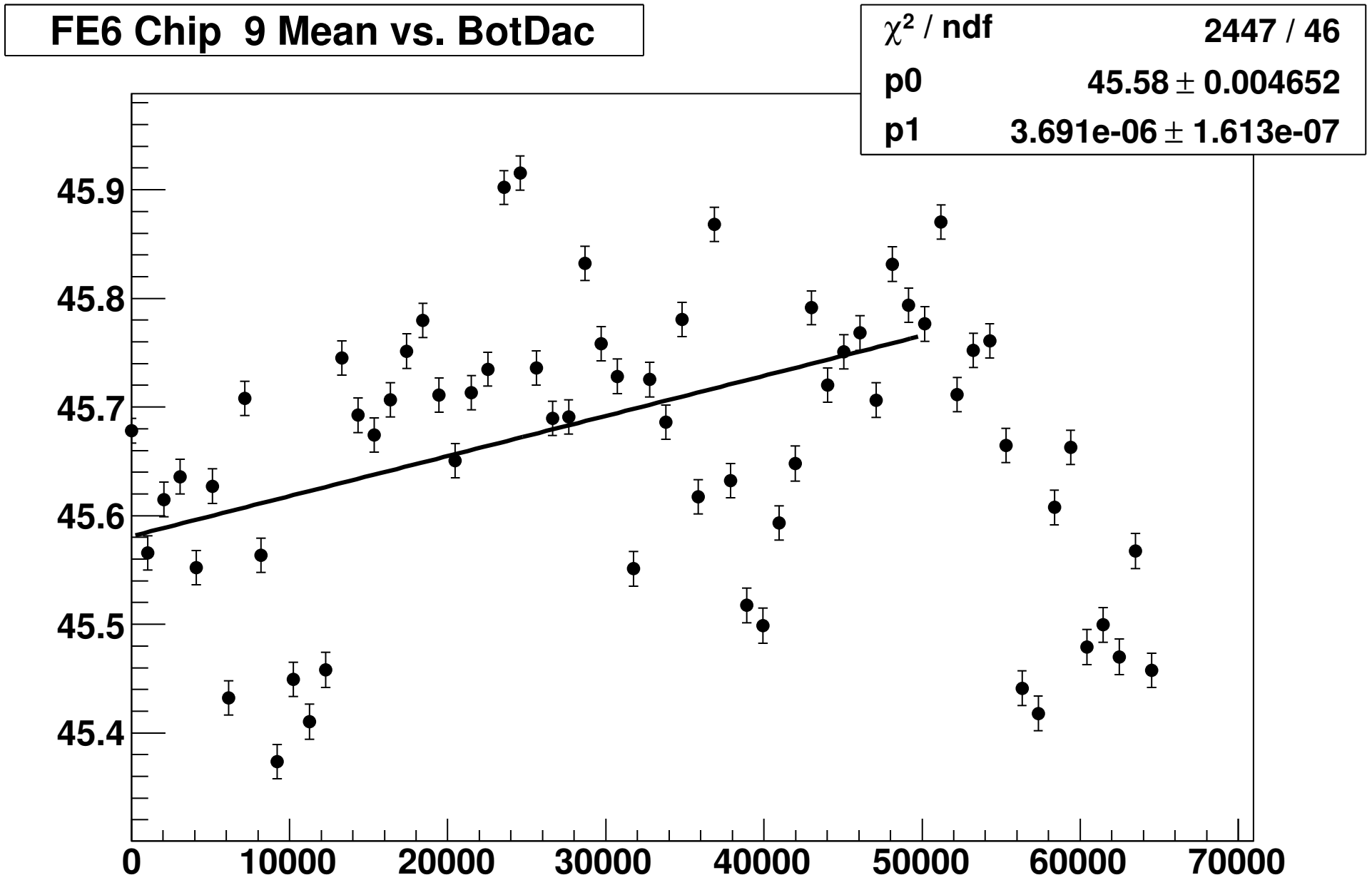

FE6 Chip 7 Rms vs. TopDac
χ² / ndf 1116 / 46
p0 1.362 ± 0.002615
p1 3.588e-05 ± 1.377e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

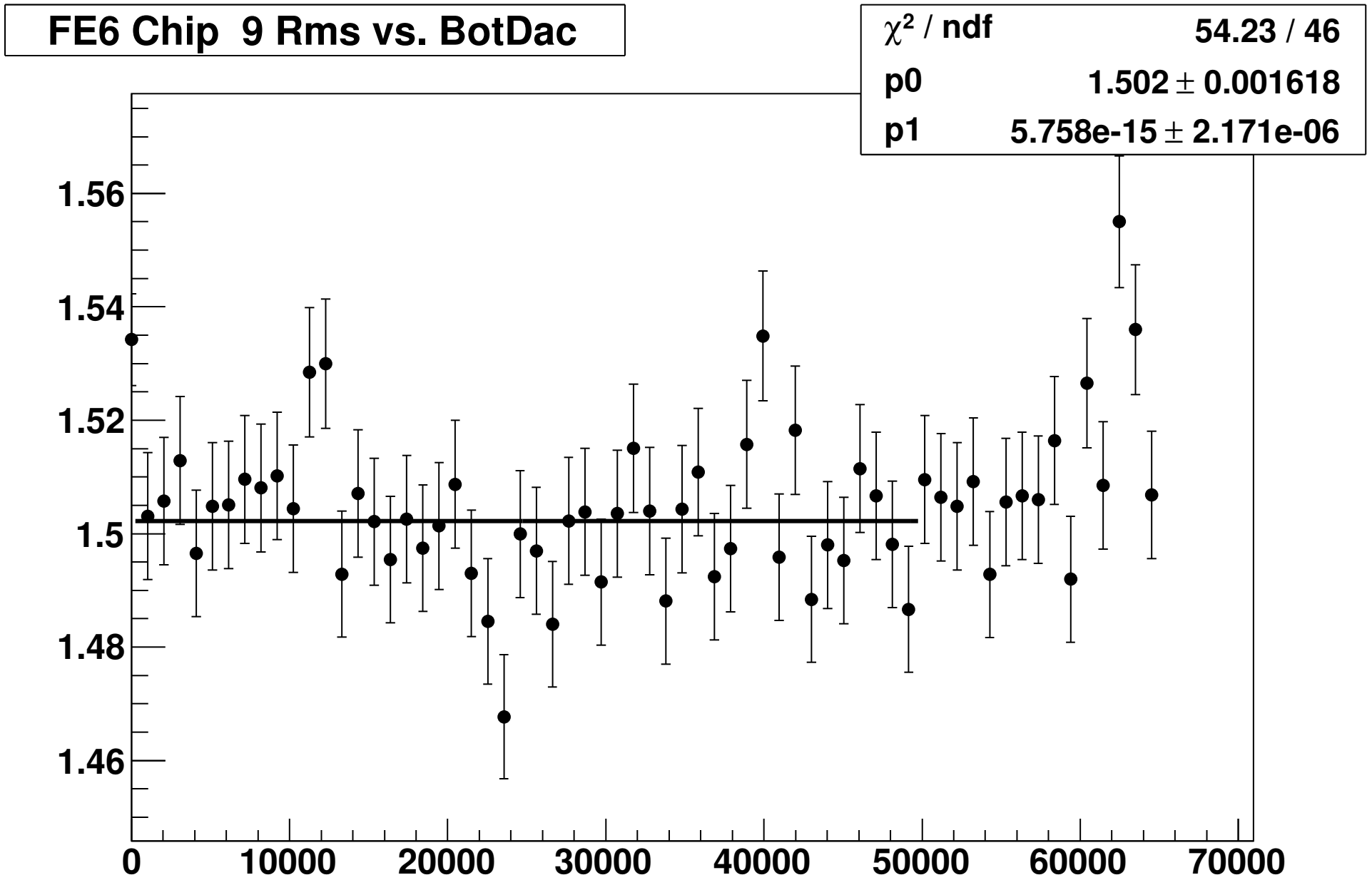

FE6 Chip 8 Mean vs. BotDac
χ² / ndf 2579 / 46
p0 42.29 ± 0.004497
p1 3.707e-06 ± 1.562e-07
42.7
42.6
42.5
42.4
42.3
42.2
42.1
0
10000
20000
30000
40000
50000
60000
70000

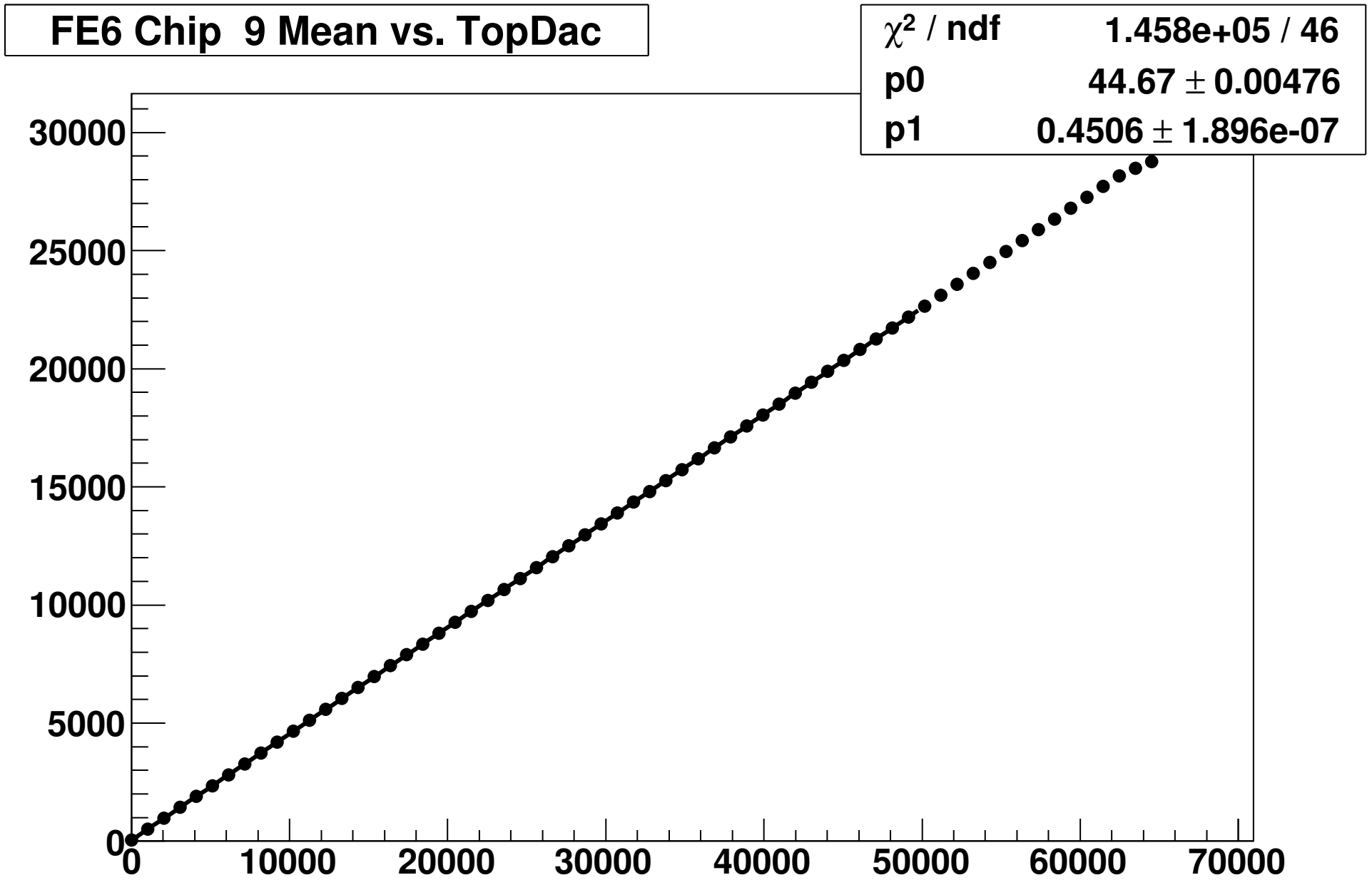

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 37.26 / 46
p0 1.455 ± 0.002269
p1 2.772e-06 ± 1.04e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

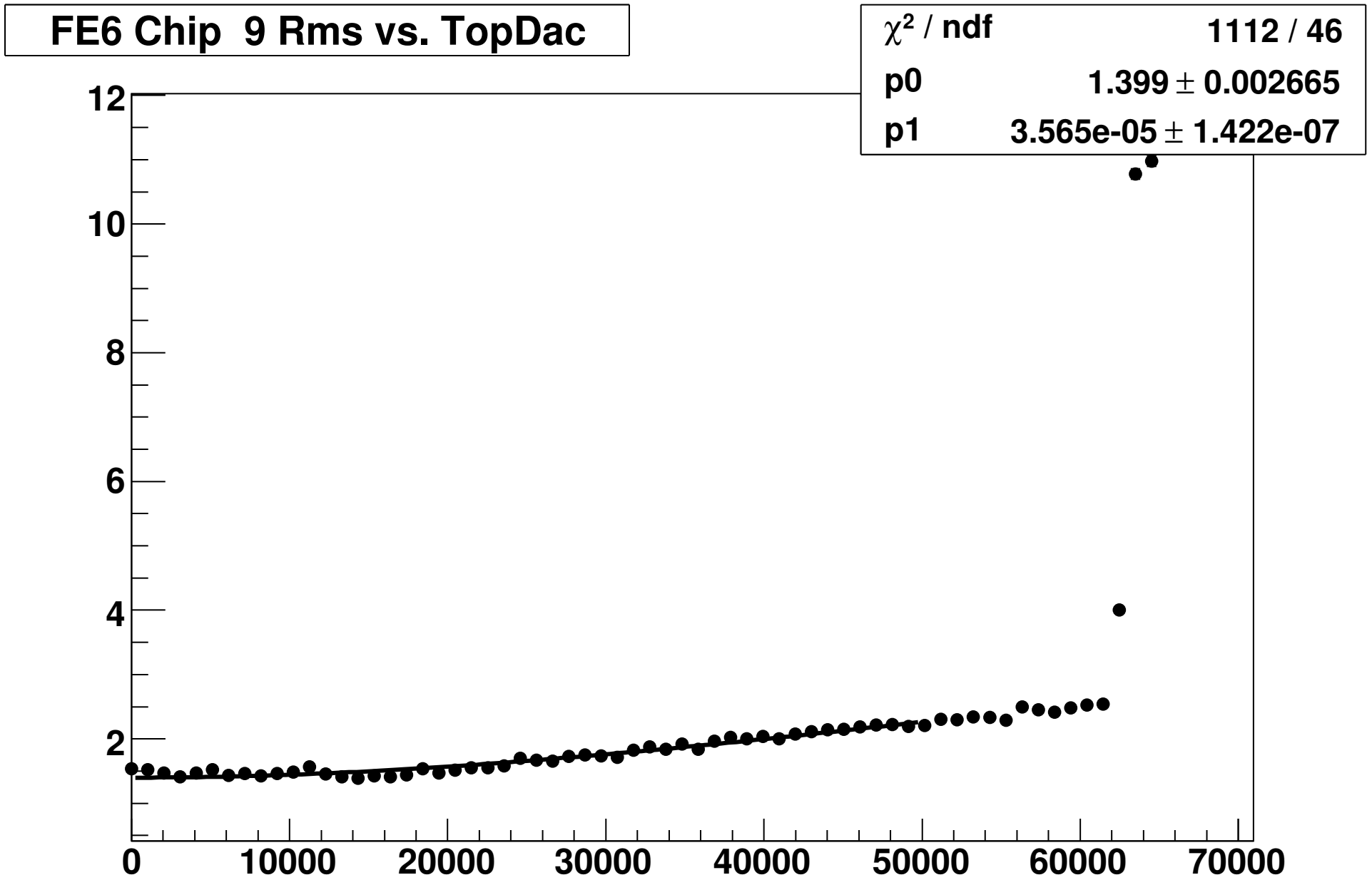

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 9.726e+04 / 46
p0 41.6 ± 0.004671
p1 0.4506 ± 1.874e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

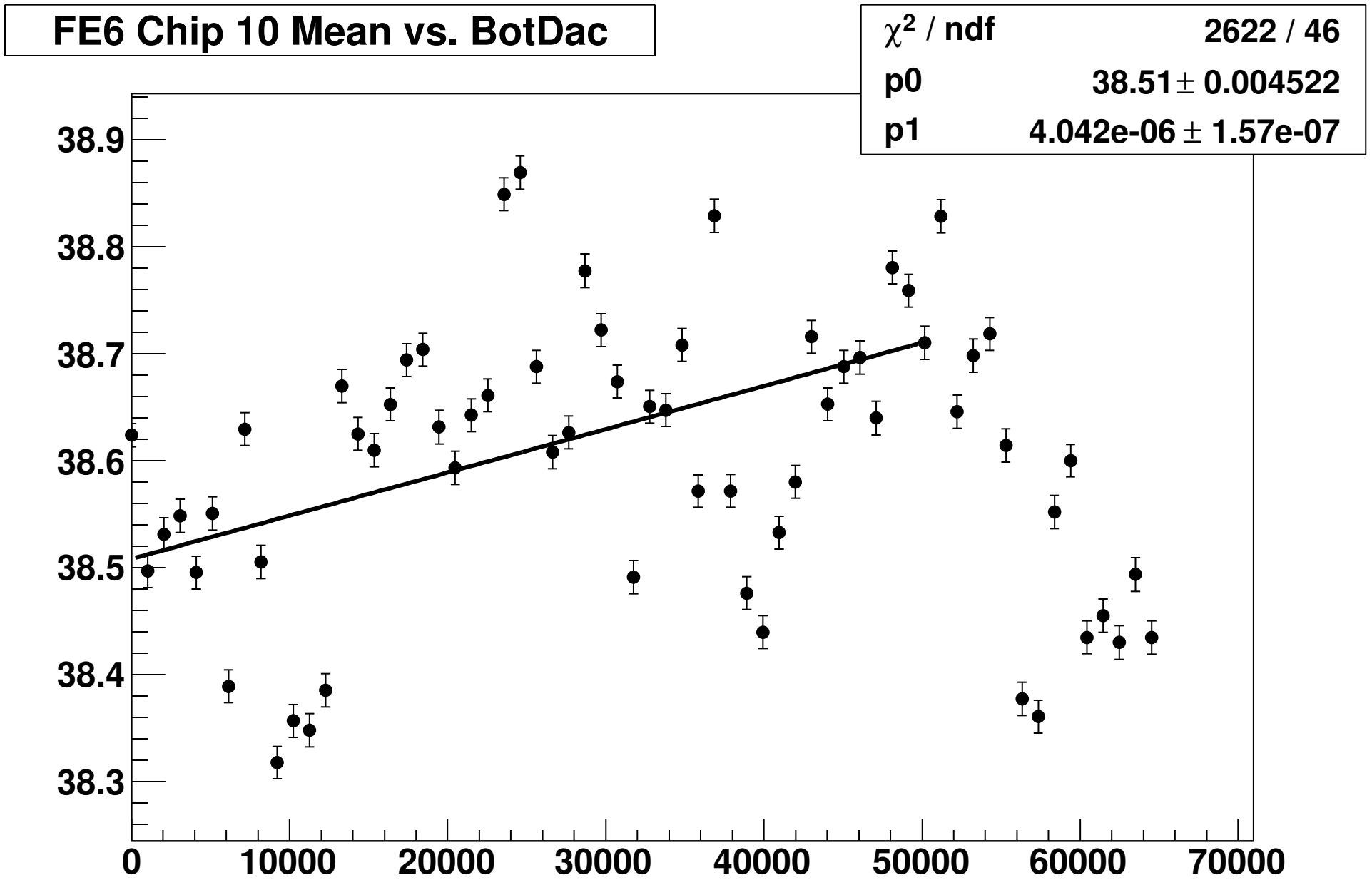

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 1181 / 46
p0 1.361 ± 0.002617
p1 3.602e-05 ± 1.376e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

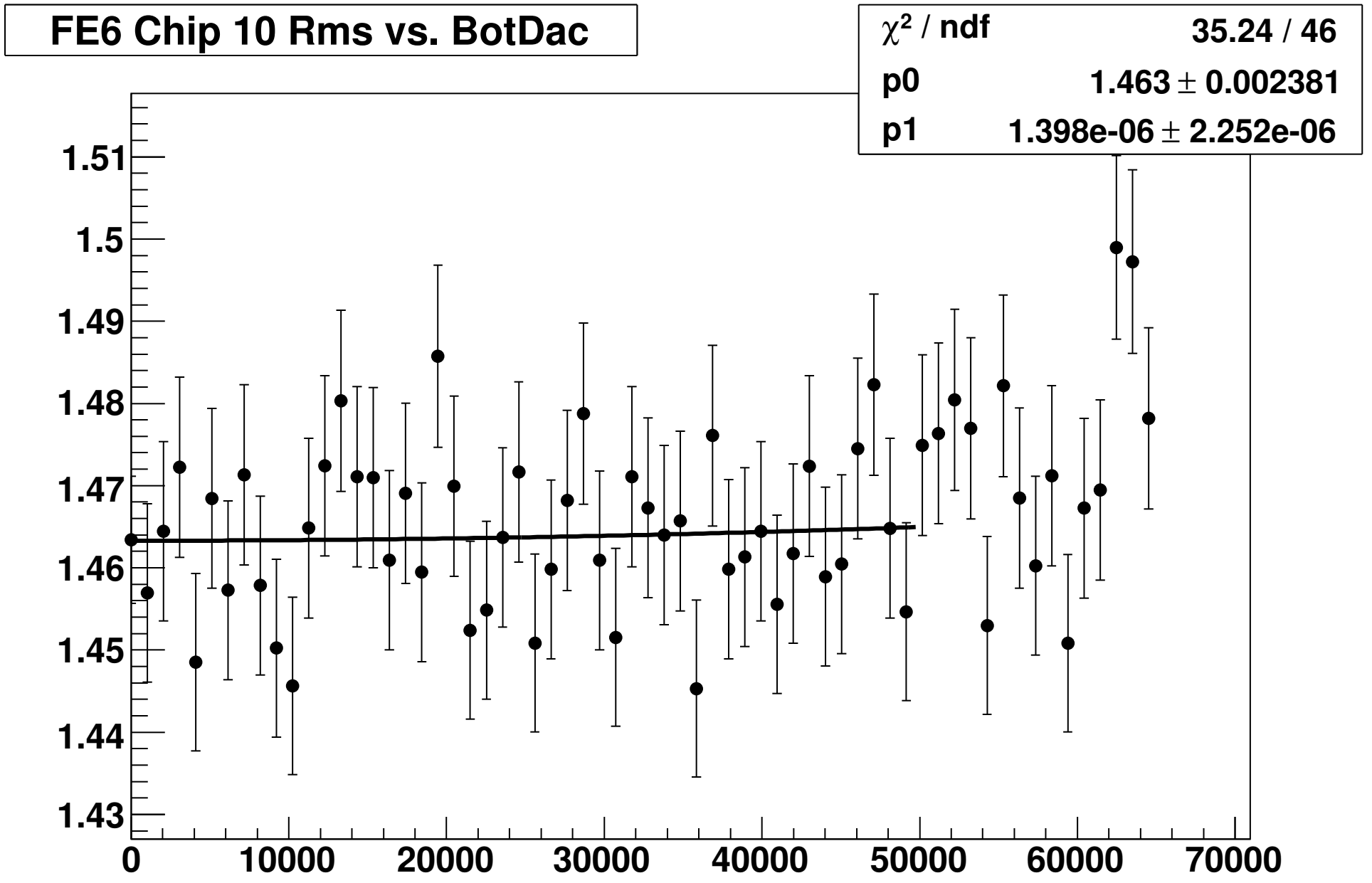

FE6 Chip 9 Mean vs. BotDac
χ² / ndf 2447 / 46
p0 45.58 ± 0.004652
p1 3.691e-06 ± 1.613e-07
45.9
45.8
45.7
45.6
45.5
45.4
0
10000
20000
30000
40000
50000
60000
70000

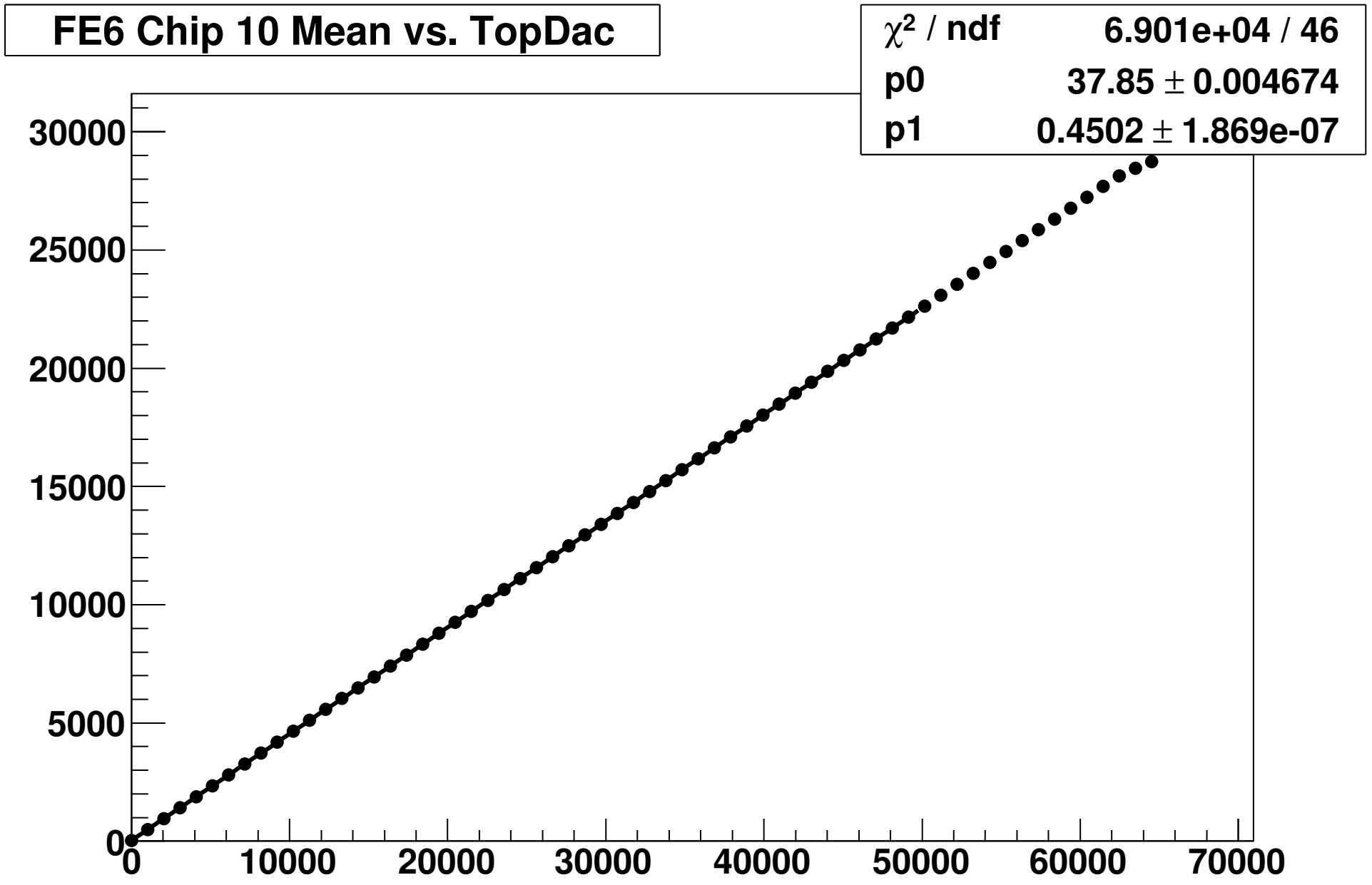

FE6 Chip 9 Rms vs. BotDac
χ² / ndf 54.23 / 46
p0 1.502 ± 0.001618
p1 5.758e-15 ± 2.171e-06
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000

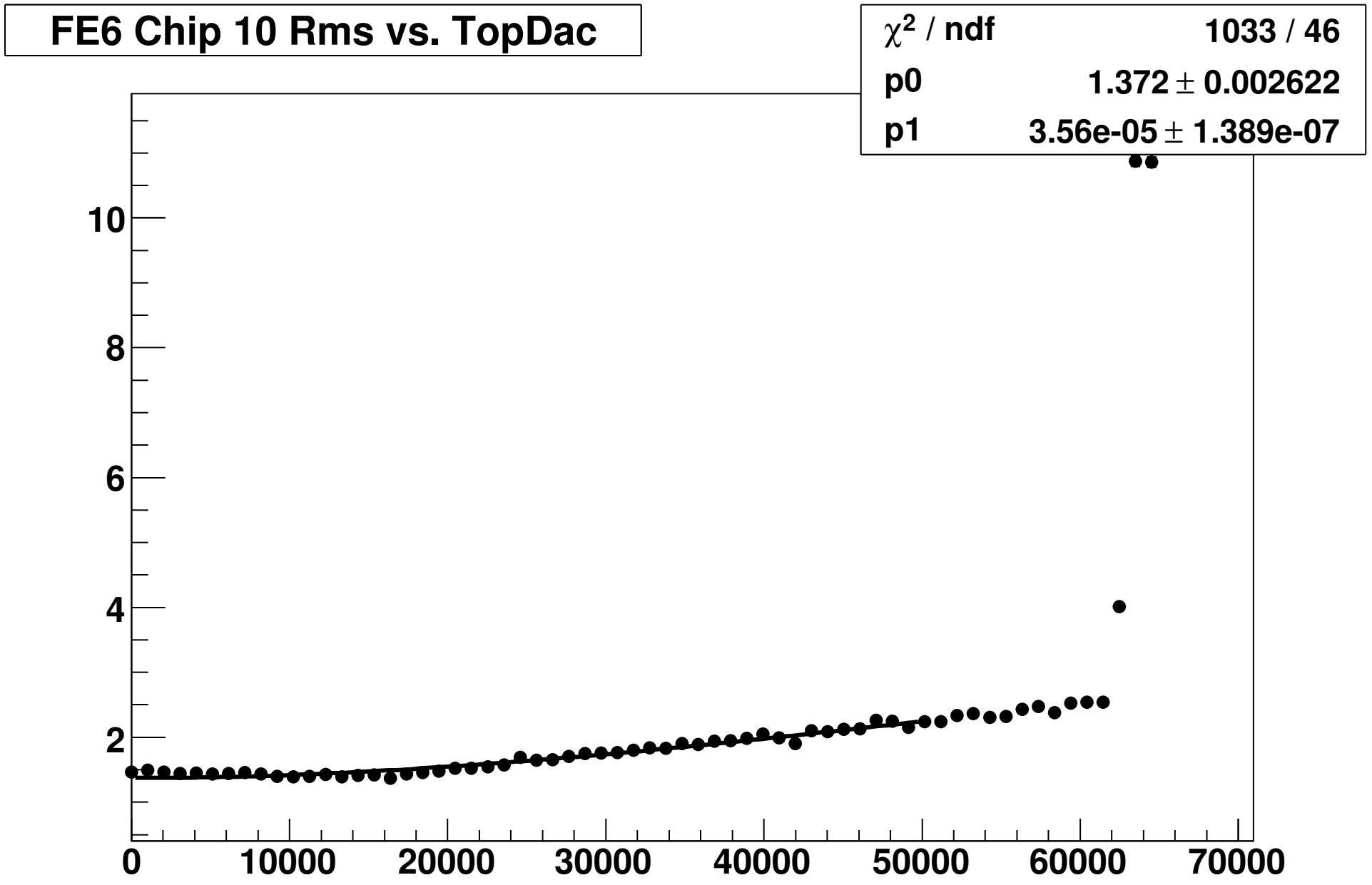

FE6 Chip 9 Mean vs. TopDac
χ² / ndf 1.458e+05 / 46
p0 44.67 ± 0.00476
p1 0.4506 ± 1.896e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 1112 / 46
p0 1.399 ± 0.002665
p1 3.565e-05 ± 1.422e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 2622 / 46
p0 38.51 ± 0.004522
p1 4.042e-06 ± 1.57e-07
38.9
38.8
38.7
38.6
38.5
38.4
38.3
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 35.24 / 46
p0 1.463 ± 0.002381
p1 1.398e-06 ± 2.252e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 6.901e+04 / 46
p0 37.85 ± 0.004674
p1 0.4502 ± 1.869e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 1033 / 46
p0 1.372 ± 0.002622
p1 3.56e-05 ± 1.389e-07
10
8
6
4
2
0
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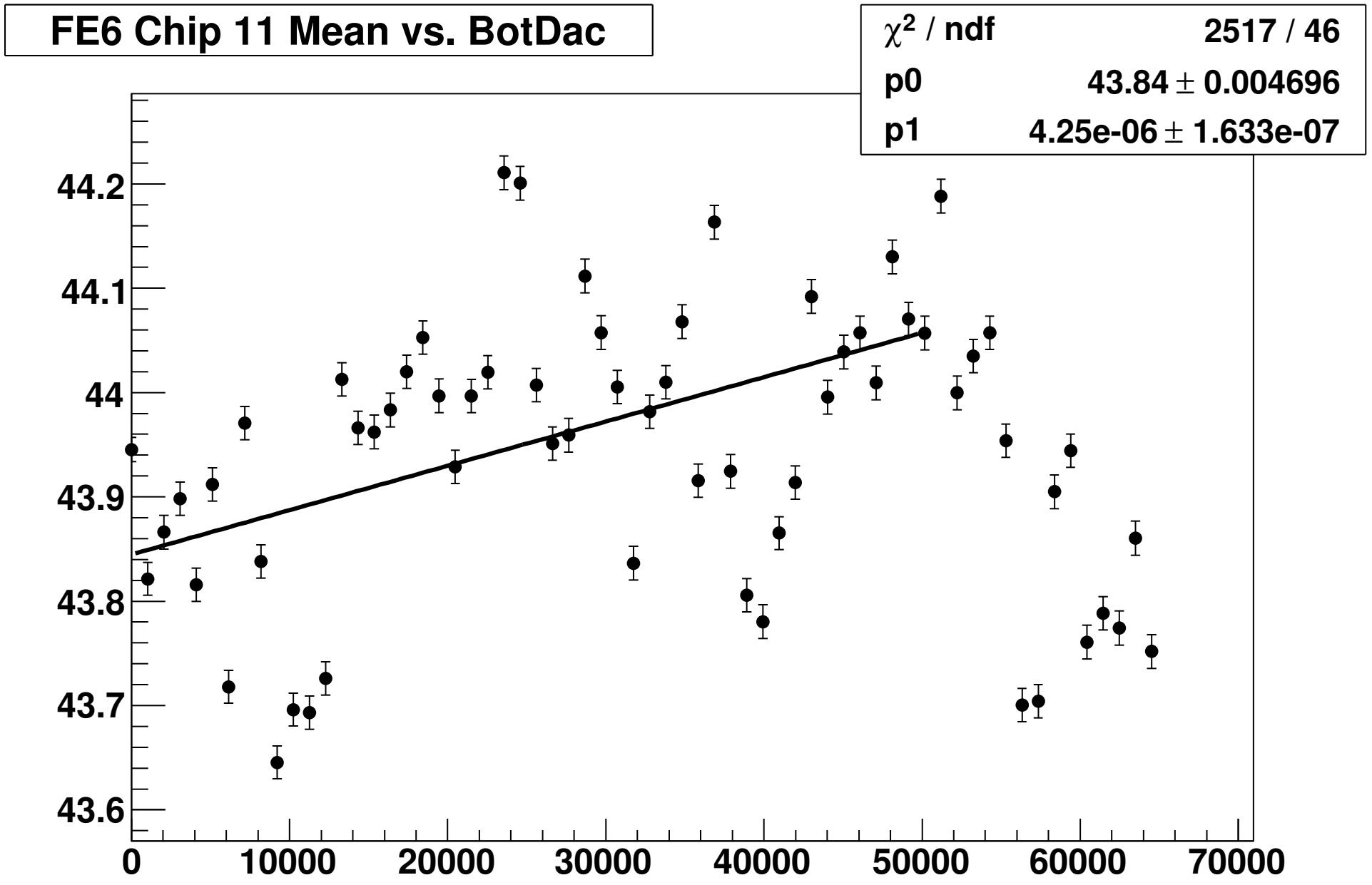
FE6 Chip 11 Mean vs. BotDac
χ² / ndf 2517 / 46
p0 43.84 ± 0.004696
p1 4.25e-06 ± 1.633e-07
44.2
44.1
44
43.9
43.8
43.7
43.6
0
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60000
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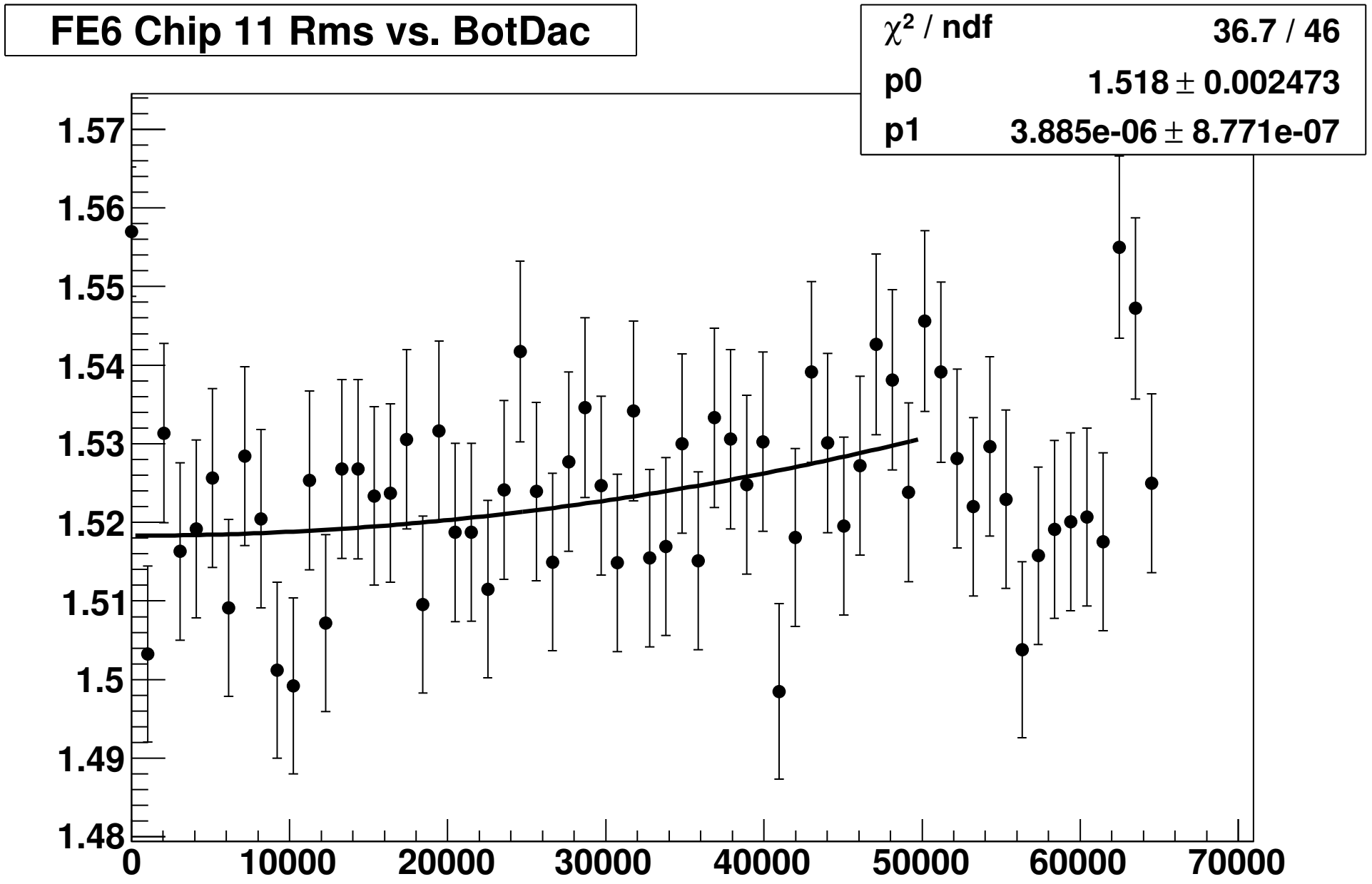
FE6 Chip 11 Rms vs. BotDac
χ² / ndf 36.7 / 46
p0 1.518 ± 0.002473
p1 3.885e-06 ± 8.771e-07
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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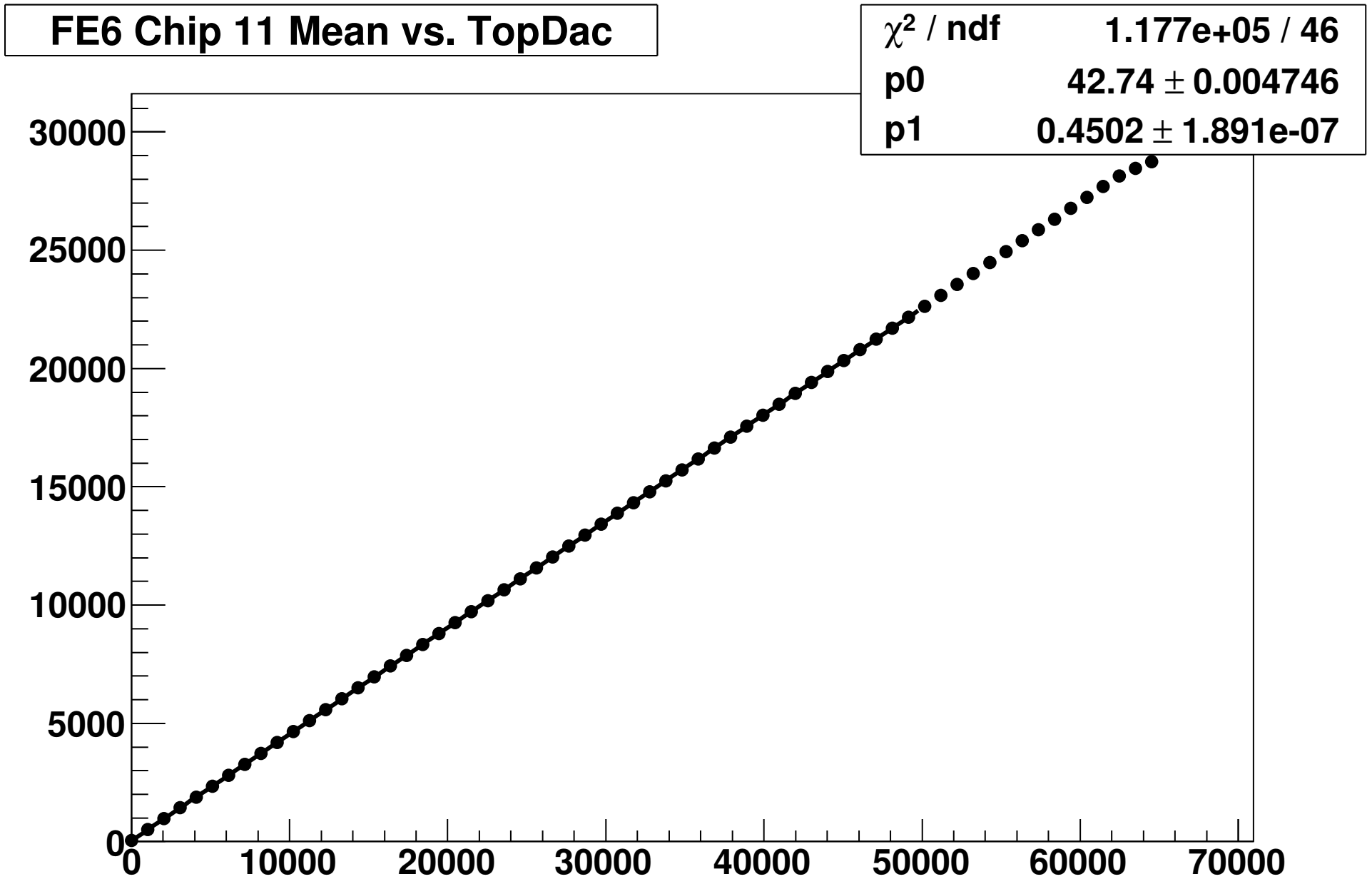
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 1.177e+05 / 46
p0 42.74 ± 0.004746
p1 0.4502 ± 1.891e-07
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15000
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5000
0
0
10000
20000
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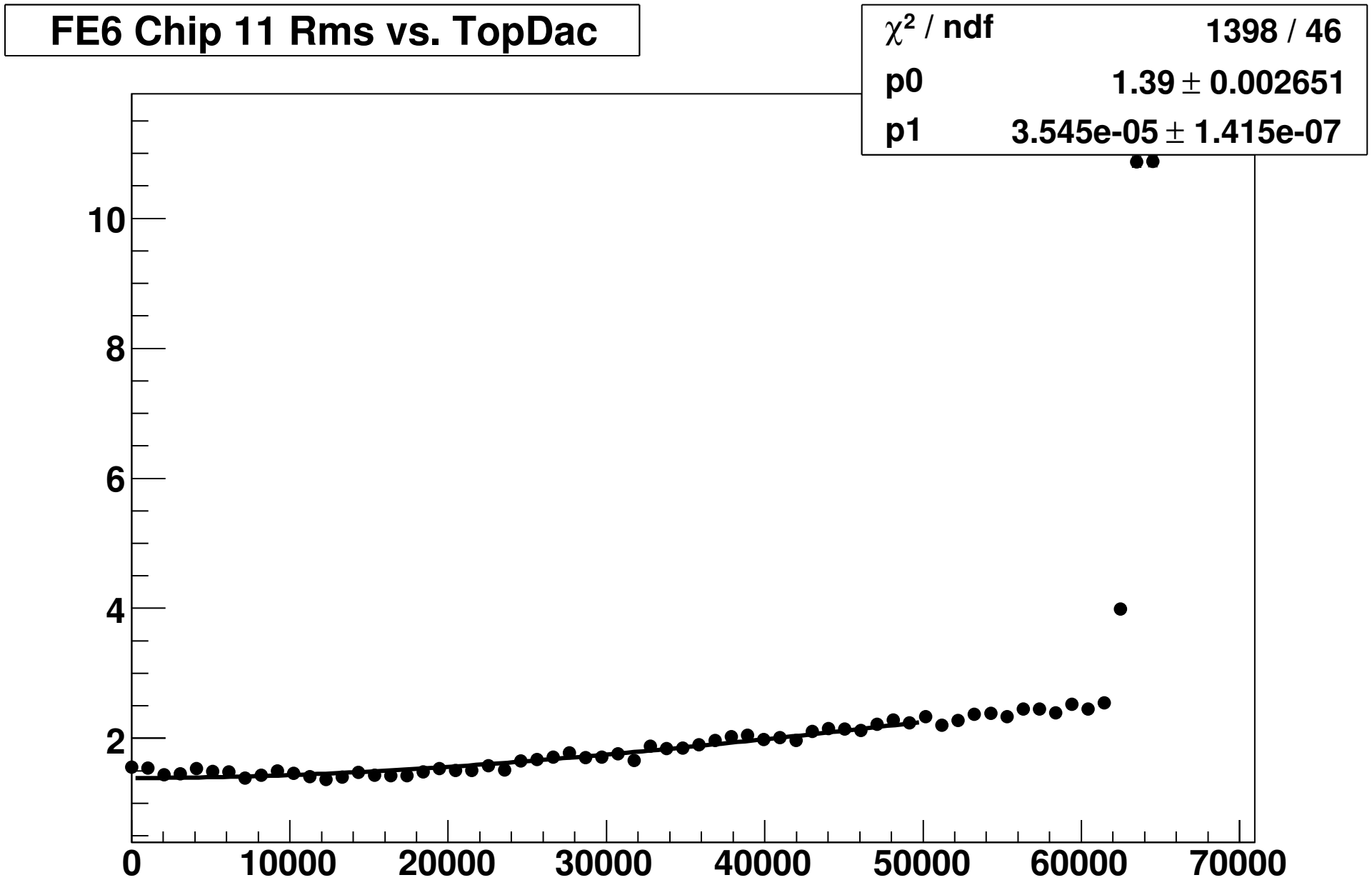
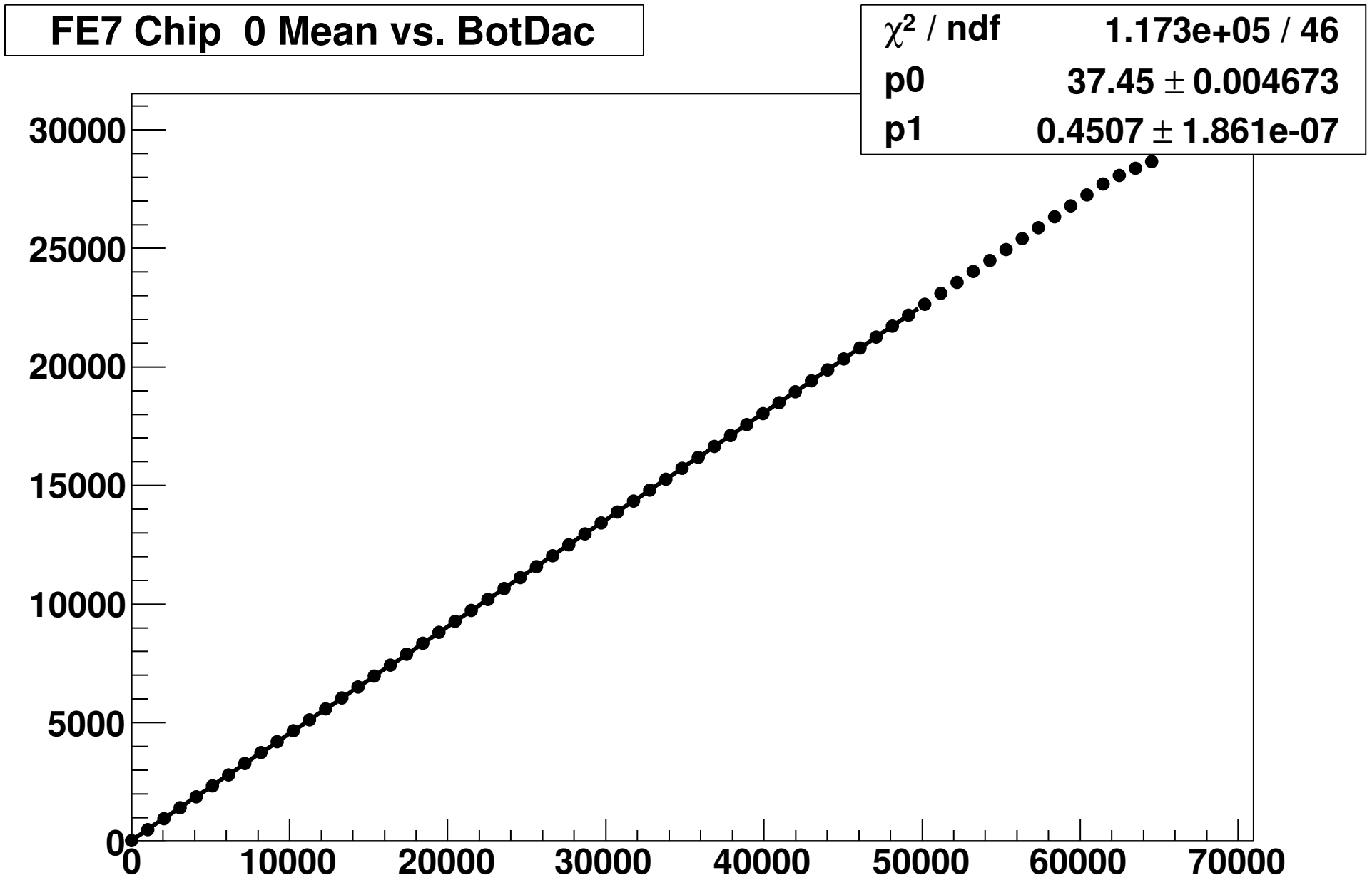

FE6 Chip 11 Rms vs. TopDac
χ² / ndf 1398 / 46
p0 1.39 ± 0.002651
p1 3.545e-05 ± 1.415e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 0 Mean vs. BotDac
χ² / ndf 1.173e+05 / 46
p0 37.45 ± 0.004673
p1 0.4507 ± 1.861e-07
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15000
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5000
0
0
10000
20000
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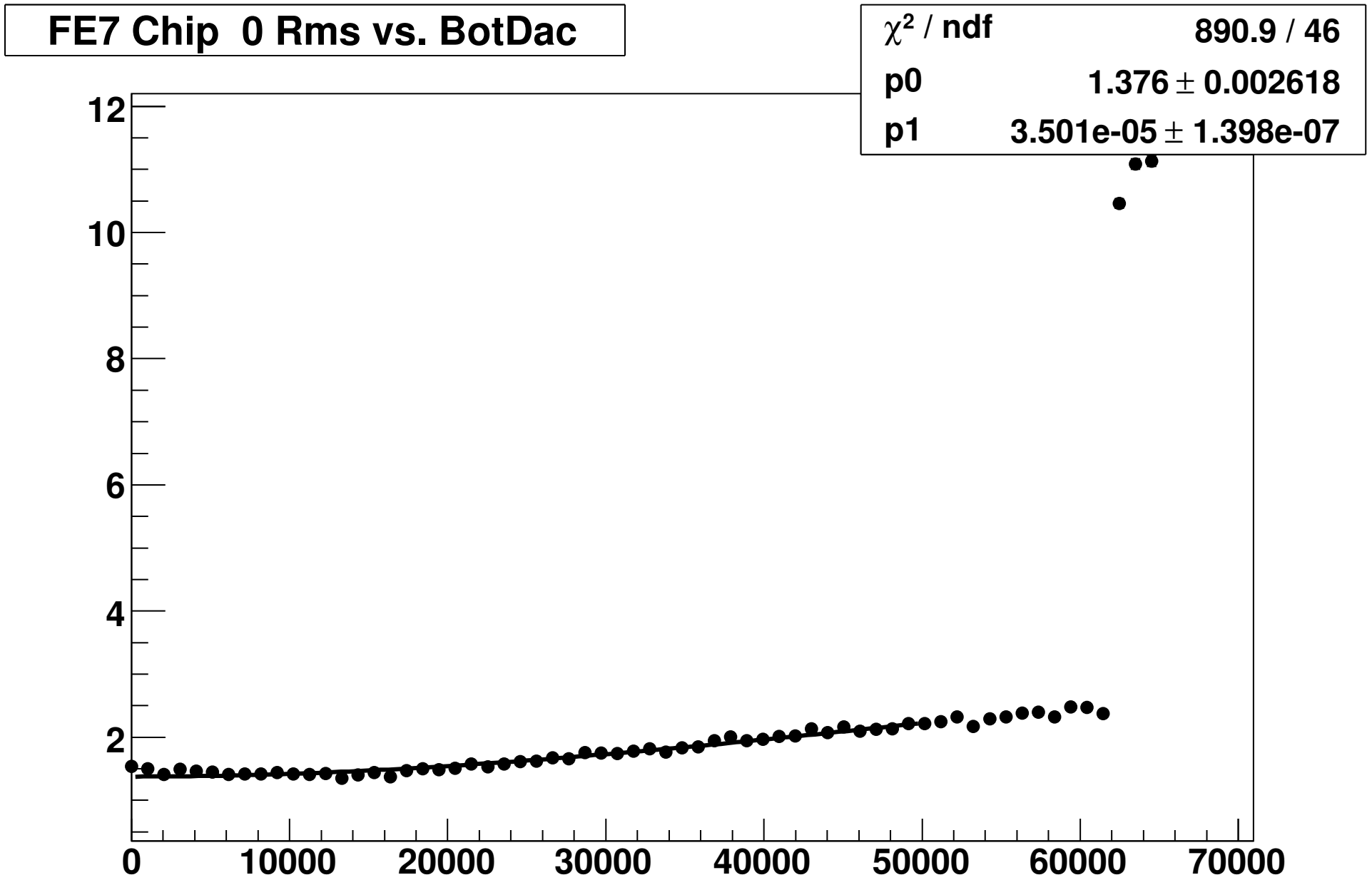
FE7 Chip 0 Rms vs. BotDac
χ² / ndf 890.9 / 46
p0 1.376 ± 0.002618
p1 3.501e-05 ± 1.398e-07
12
10
8
6
4
2
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50000
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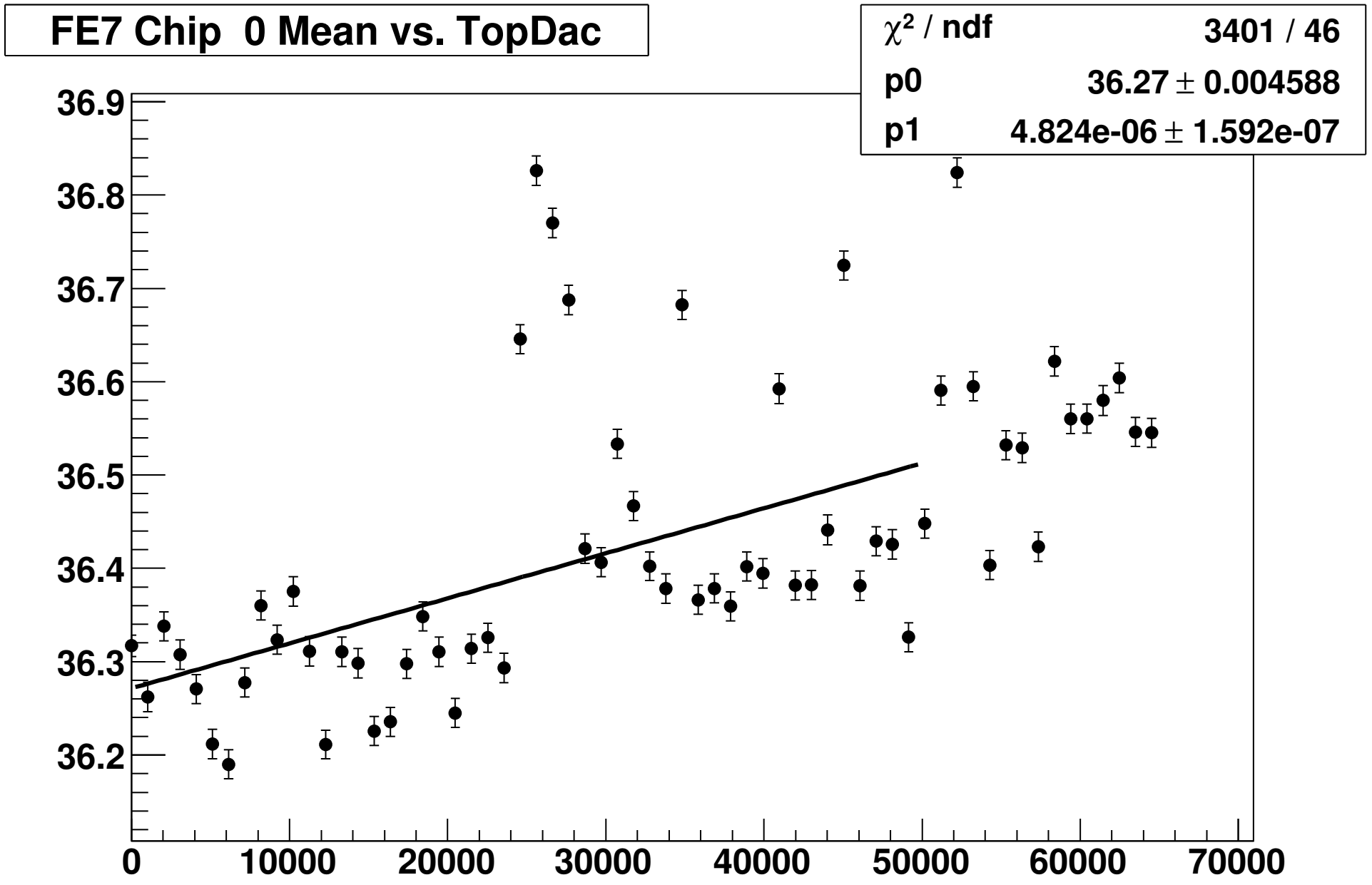
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 3401 / 46
p0 36.27 ± 0.004588
p1 4.824e-06 ± 1.592e-07
36.9
36.8
36.7
36.6
36.5
36.4
36.3
36.2
0
10000
20000
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50000
60000
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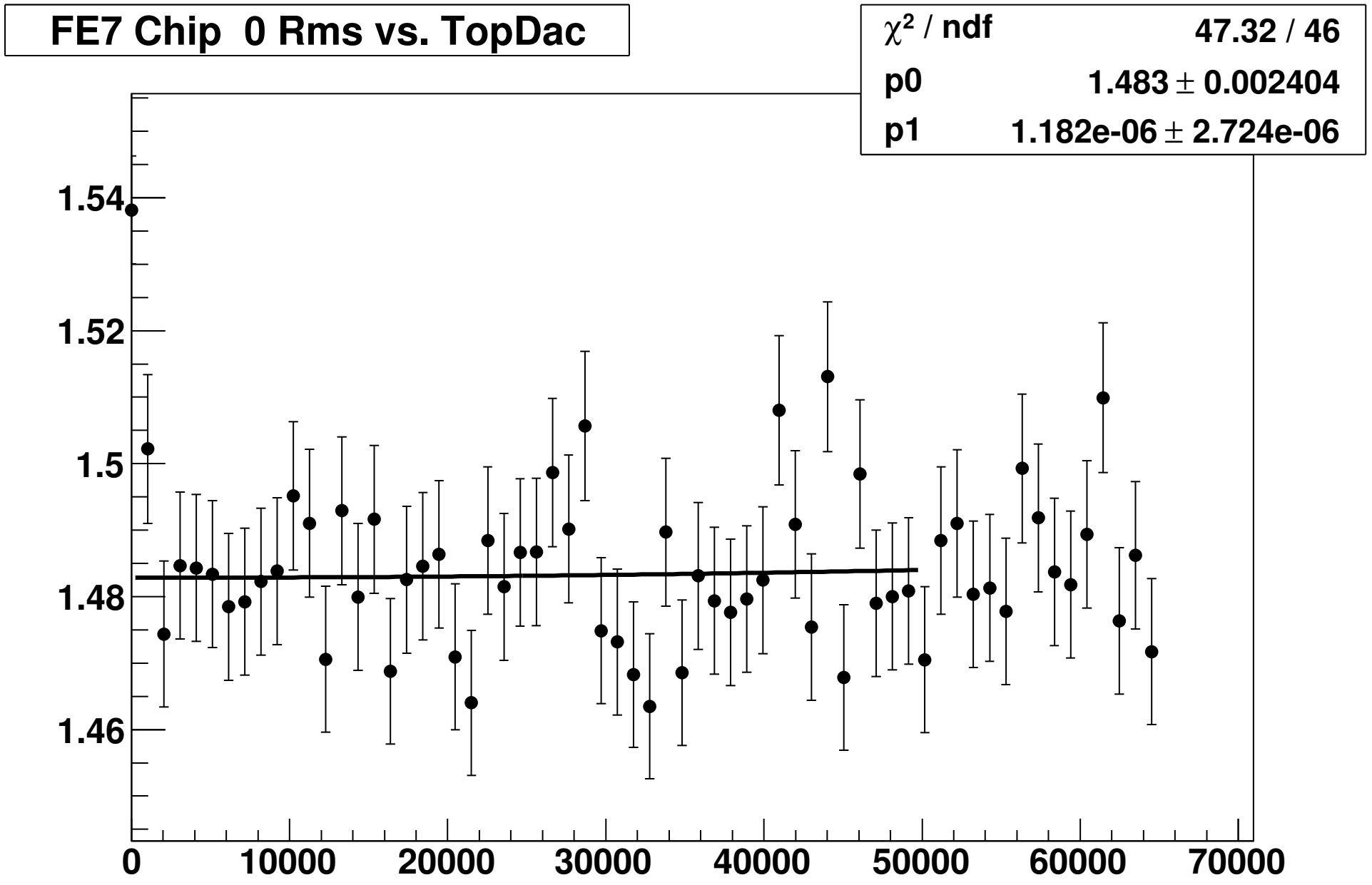
FE7 Chip 0 Rms vs. TopDac
χ² / ndf 47.32 / 46
p0 1.483 ± 0.002404
p1 1.182e-06 ± 2.724e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
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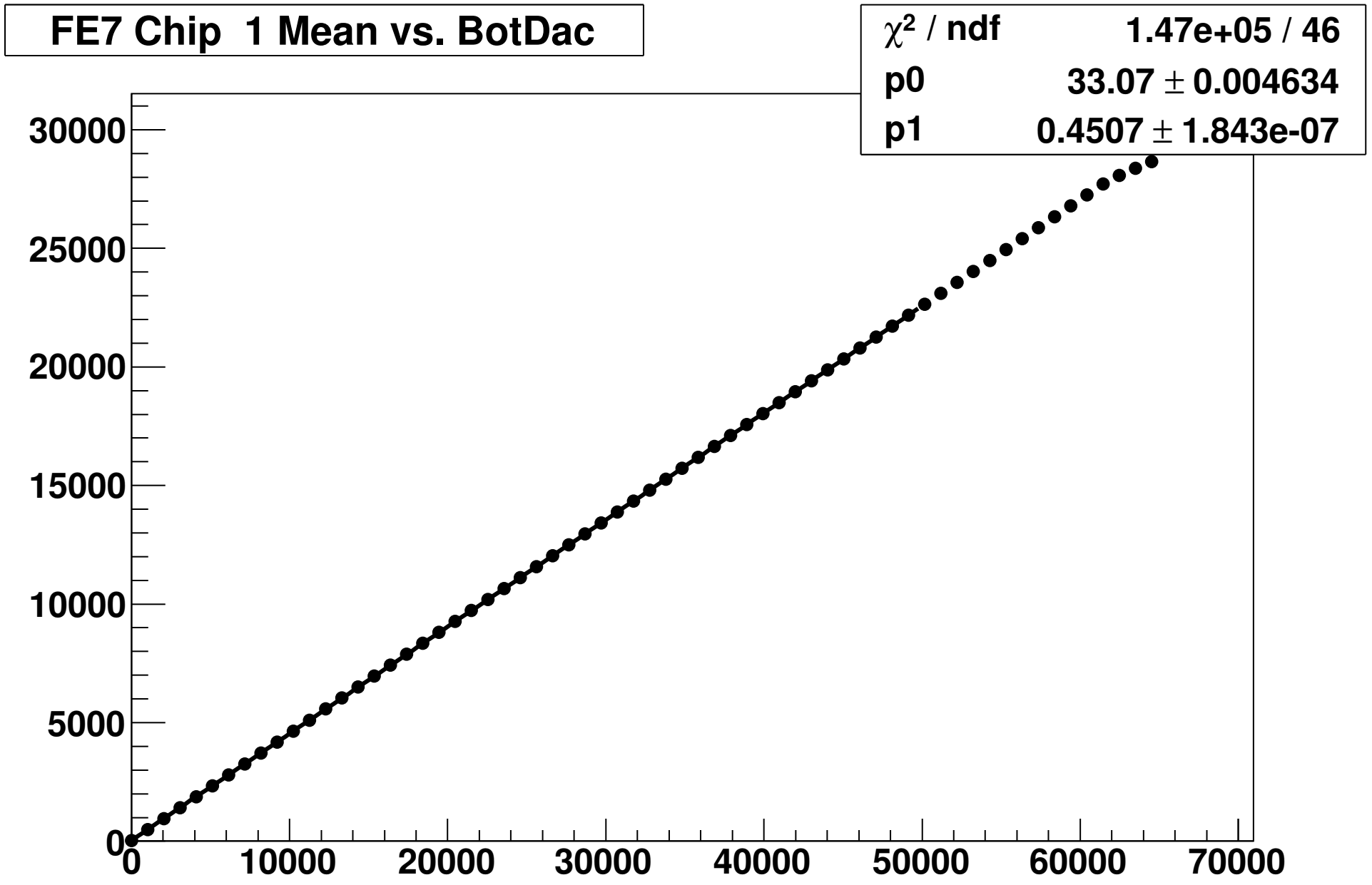
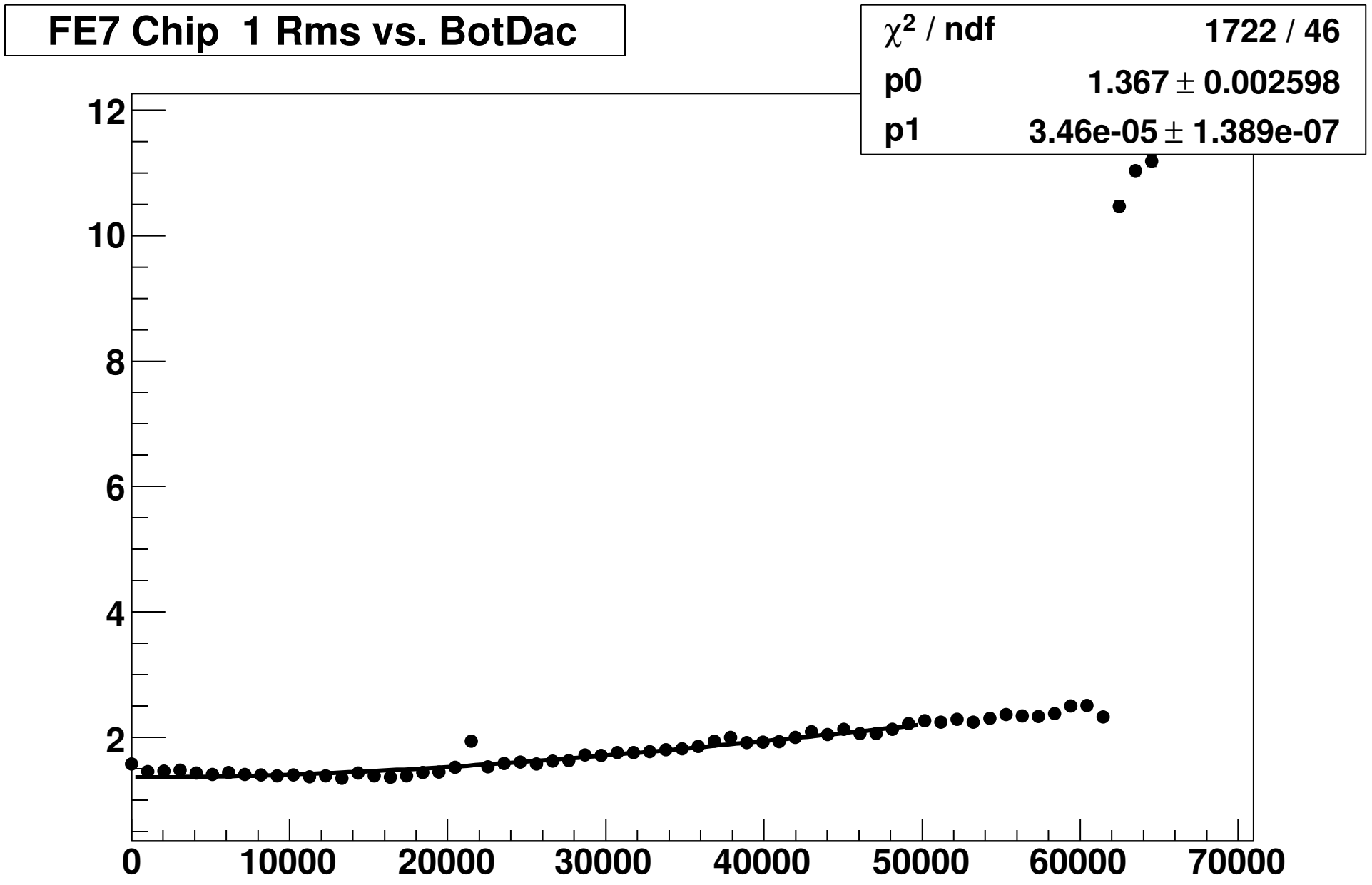

FE7 Chip 1 Mean vs. BotDac
χ² / ndf 1.47e+05 / 46
p0 33.07 ± 0.004634
p1 0.4507 ± 1.843e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 1722 / 46
p0 1.367 ± 0.002598
p1 3.46e-05 ± 1.389e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
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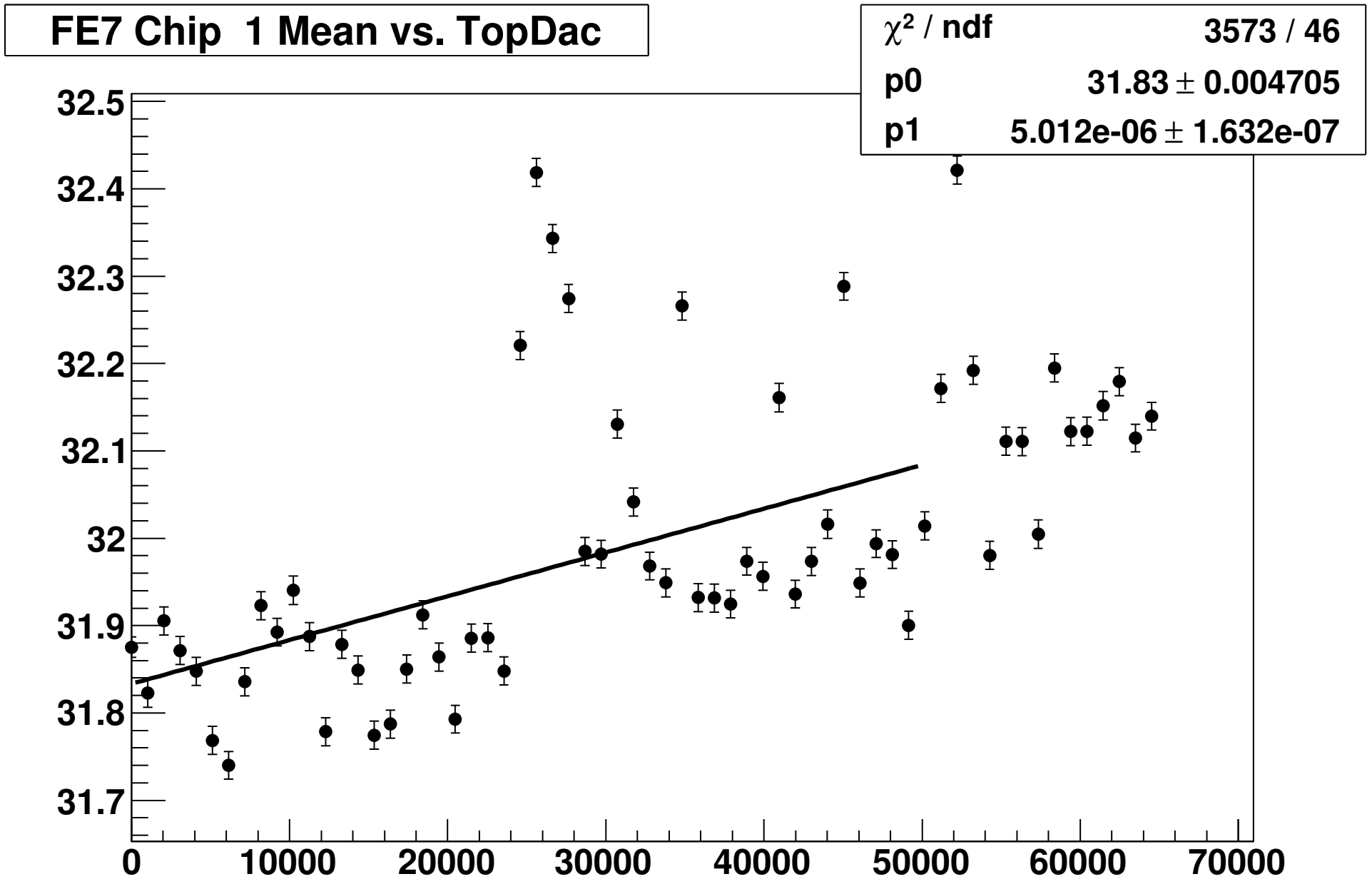
FE7 Chip 1 Mean vs. TopDac
χ² / ndf 3573 / 46
p0 31.83 ± 0.004705
p1 5.012e-06 ± 1.632e-07
32.5
32.4
32.3
32.2
32.1
32
31.9
31.8
31.7
0
10000
20000
30000
40000
50000
60000
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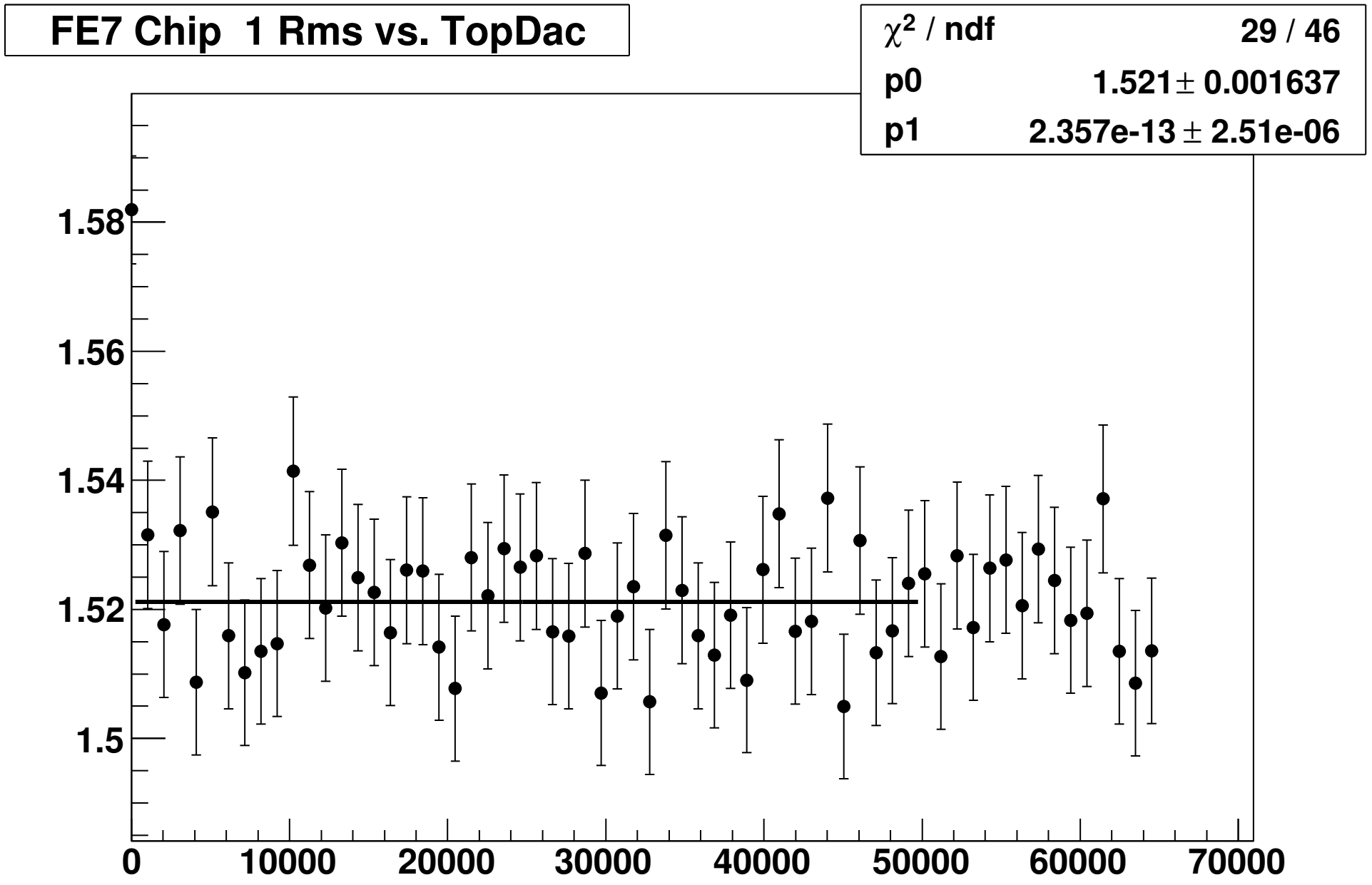
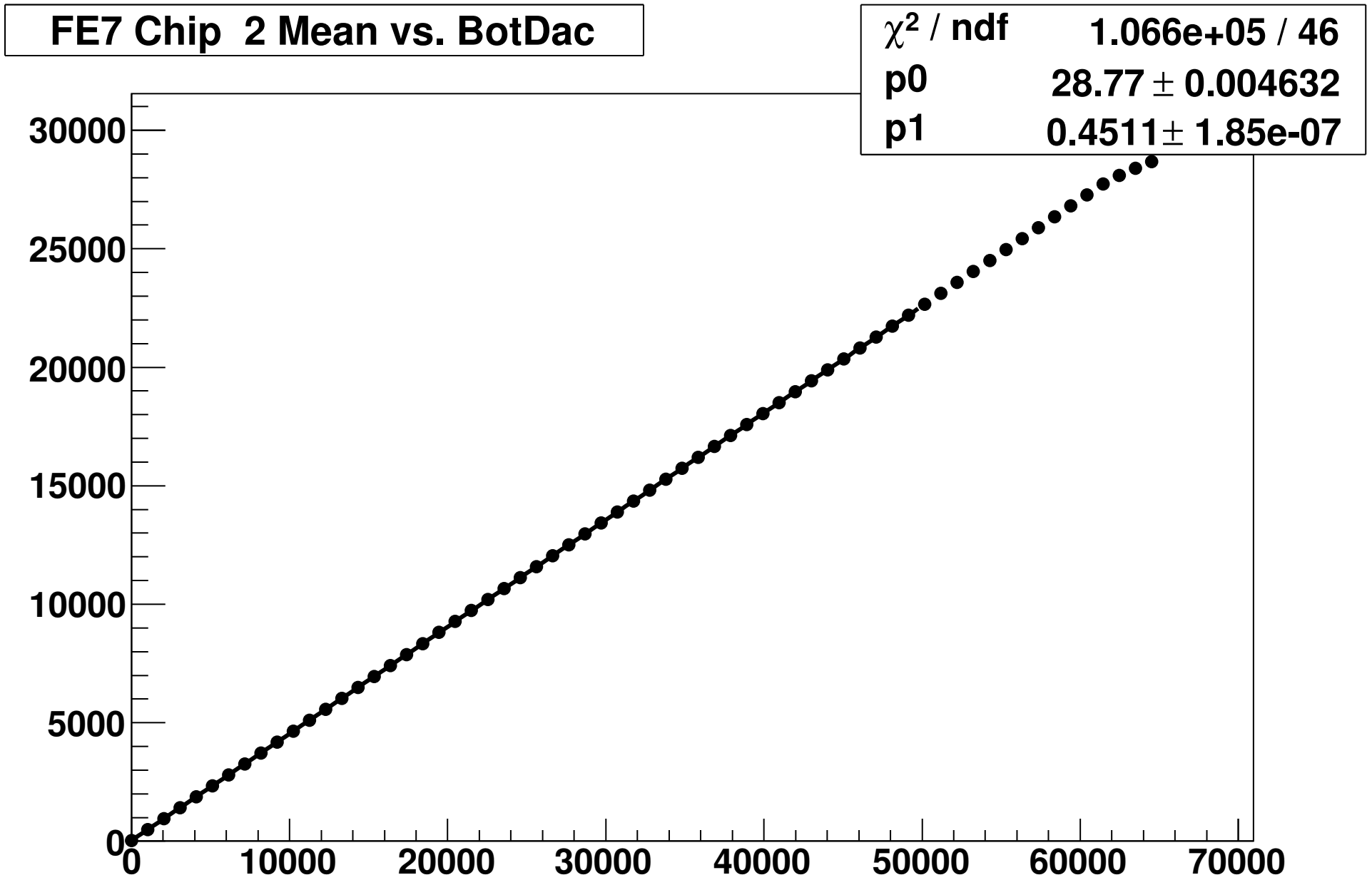
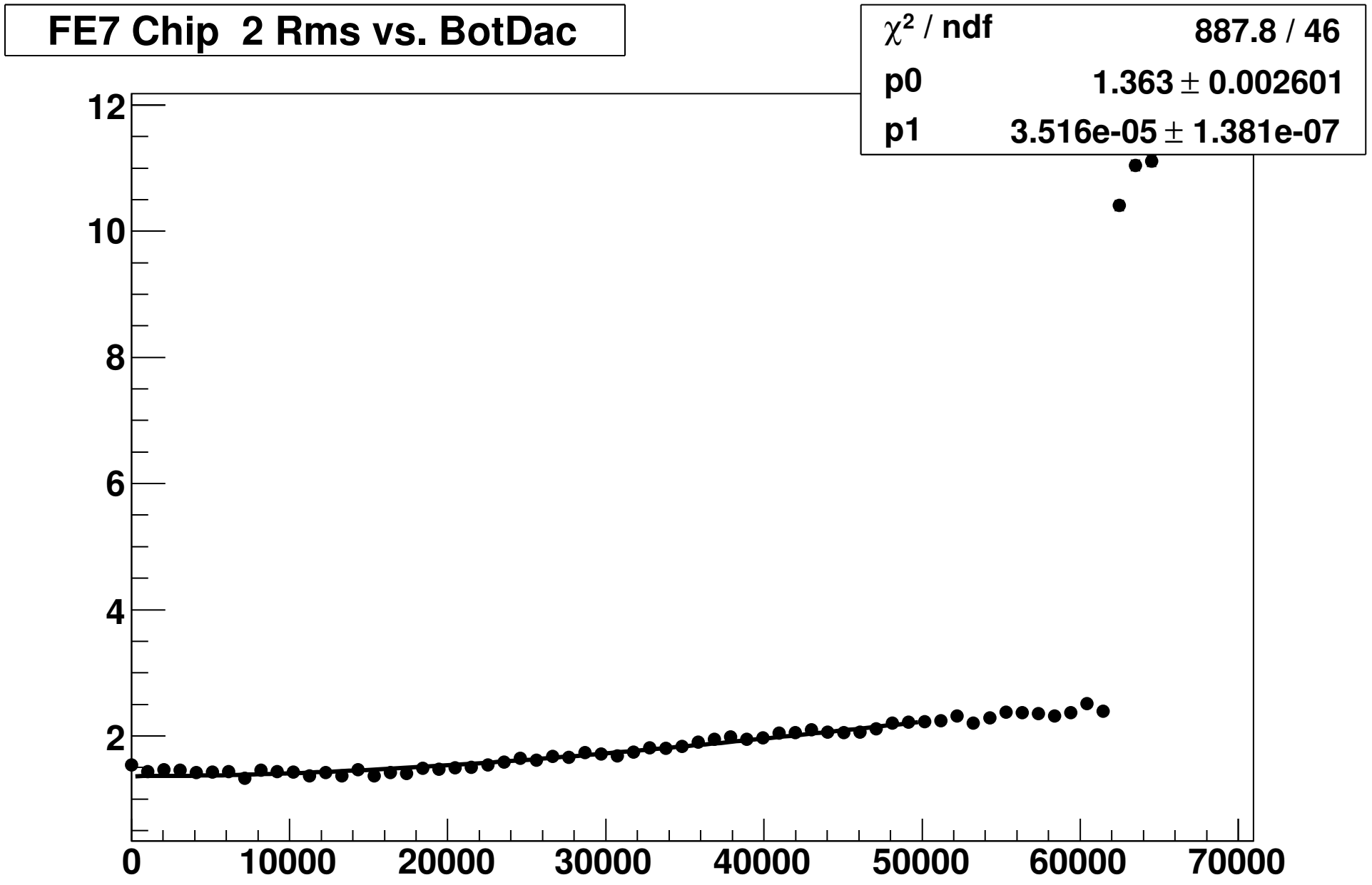
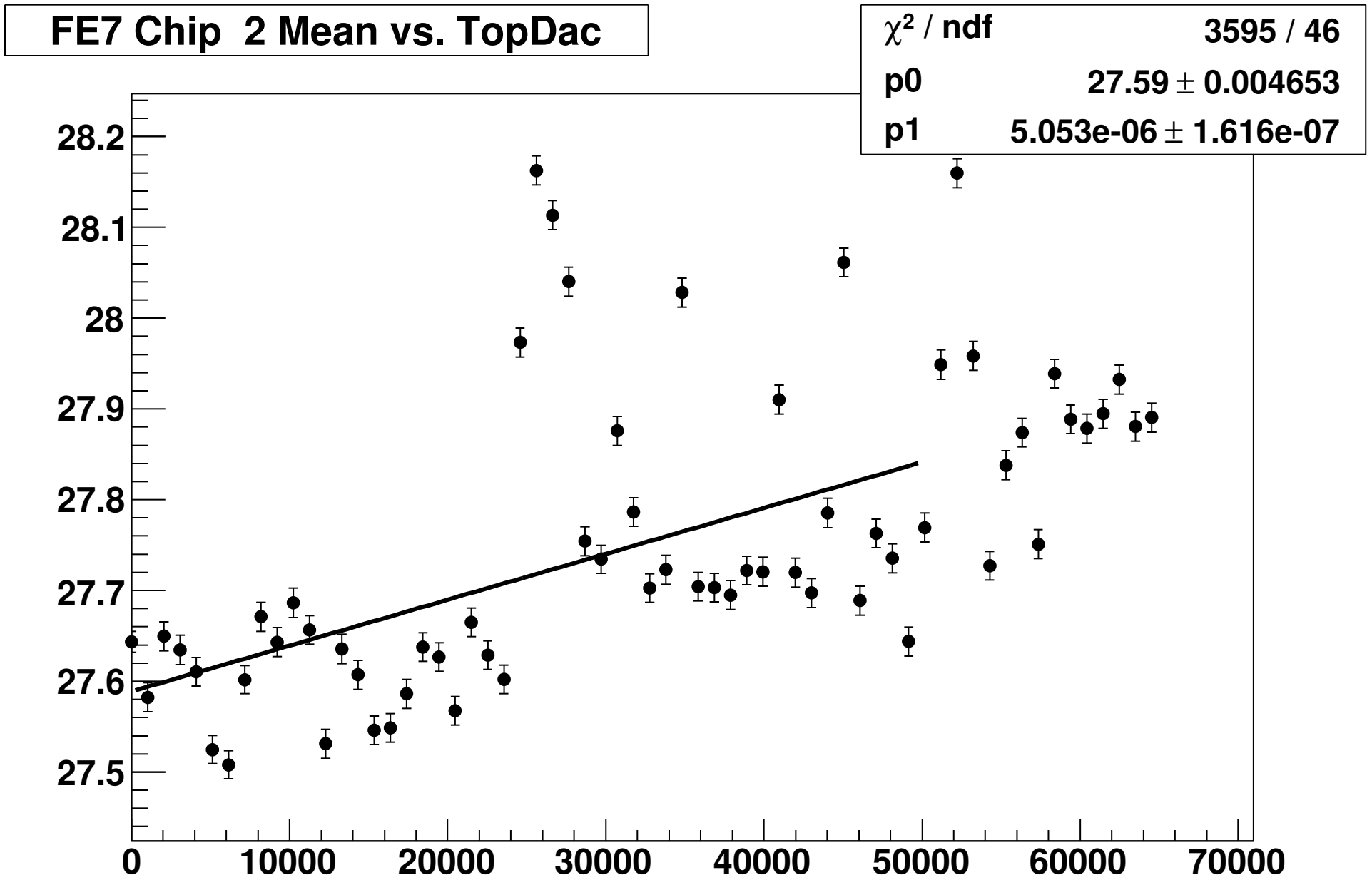

FE7 Chip 1 Rms vs. TopDac
χ² / ndf 29 / 46
p0 1.521 ± 0.001637
p1 2.357e-13 ± 2.51e-06
1.58
1.56
1.54
1.52
1.5
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. BotDac
χ² / ndf 1.066e+05 / 46
p0 28.77 ± 0.004632
p1 0.4511 ± 1.85e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 887.8 / 46
p0 1.363 ± 0.002601
p1 3.516e-05 ± 1.381e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 3595 / 46
p0 27.59 ± 0.004653
p1 5.053e-06 ± 1.616e-07
28.2
28.1
28
27.9
27.8
27.7
27.6
27.5
0
10000
20000
30000
40000
50000
60000
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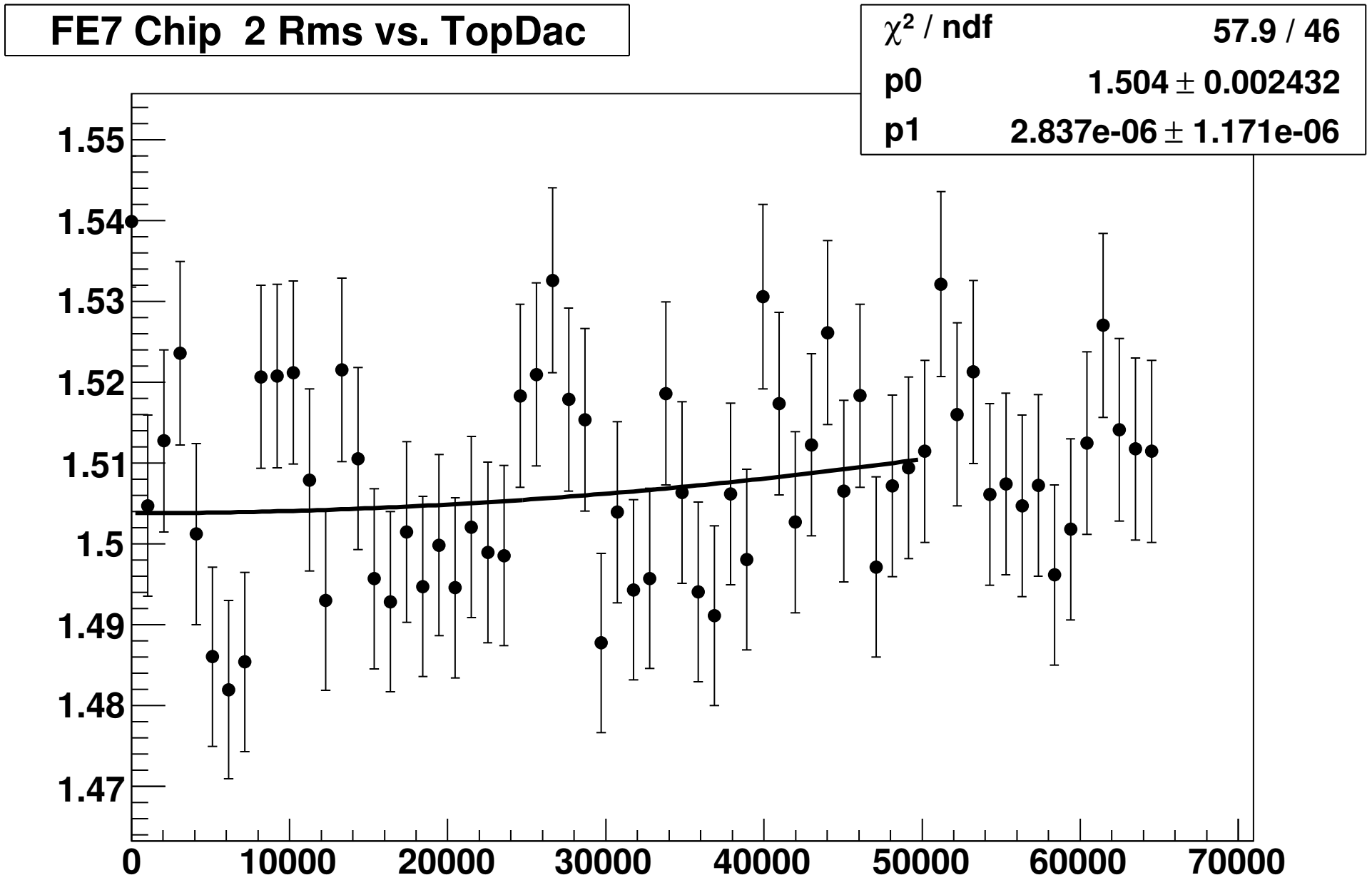
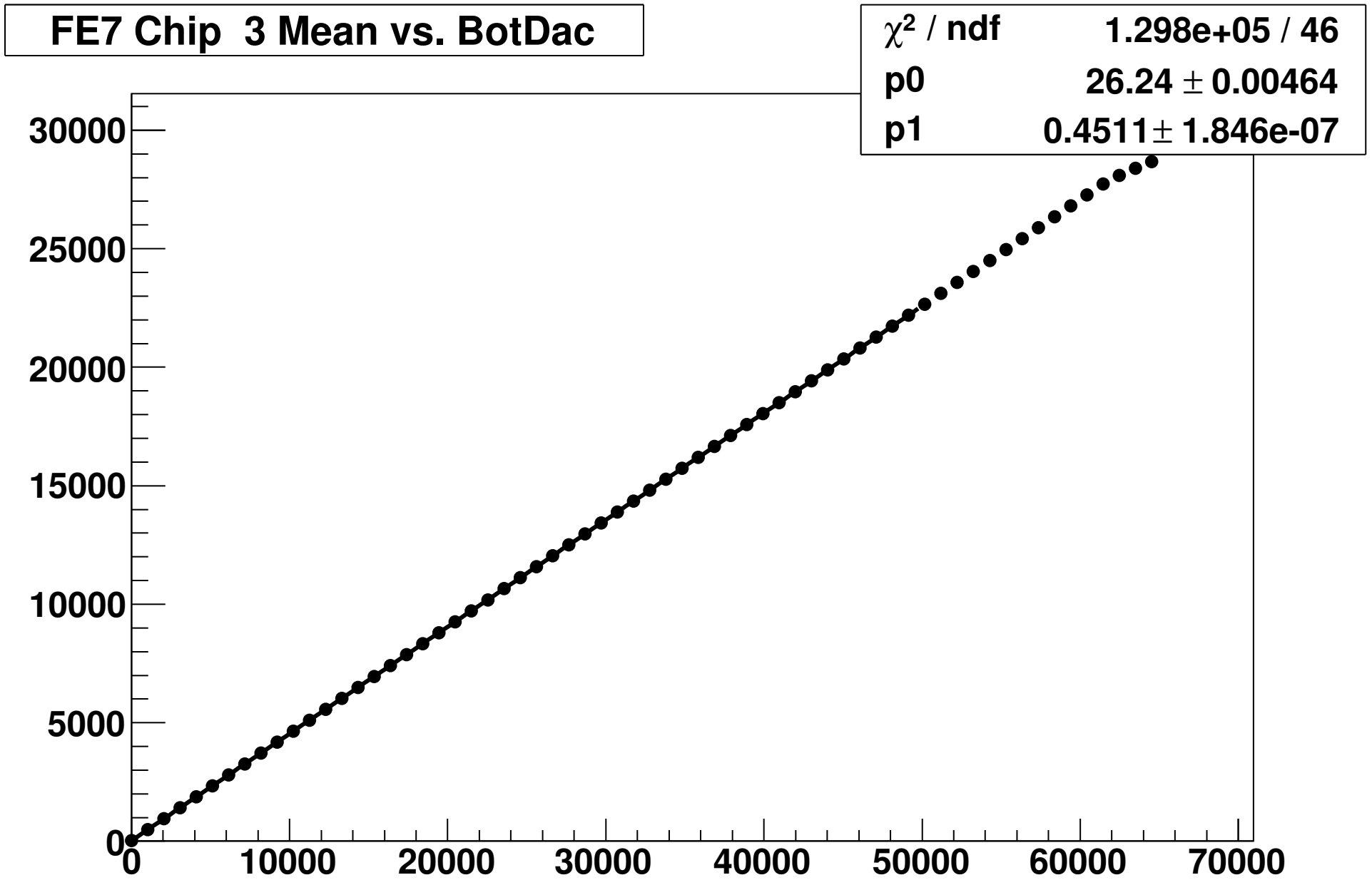
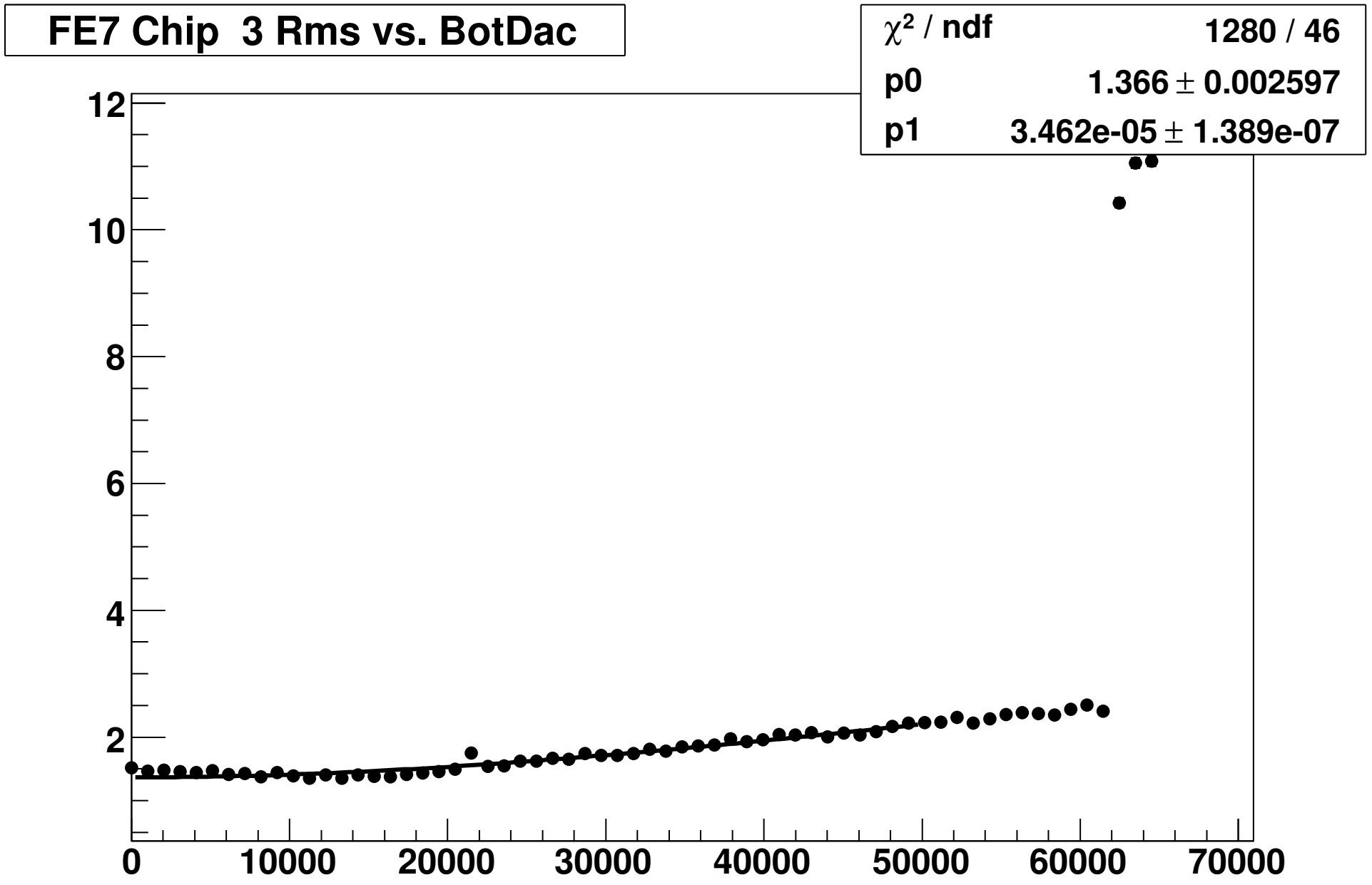
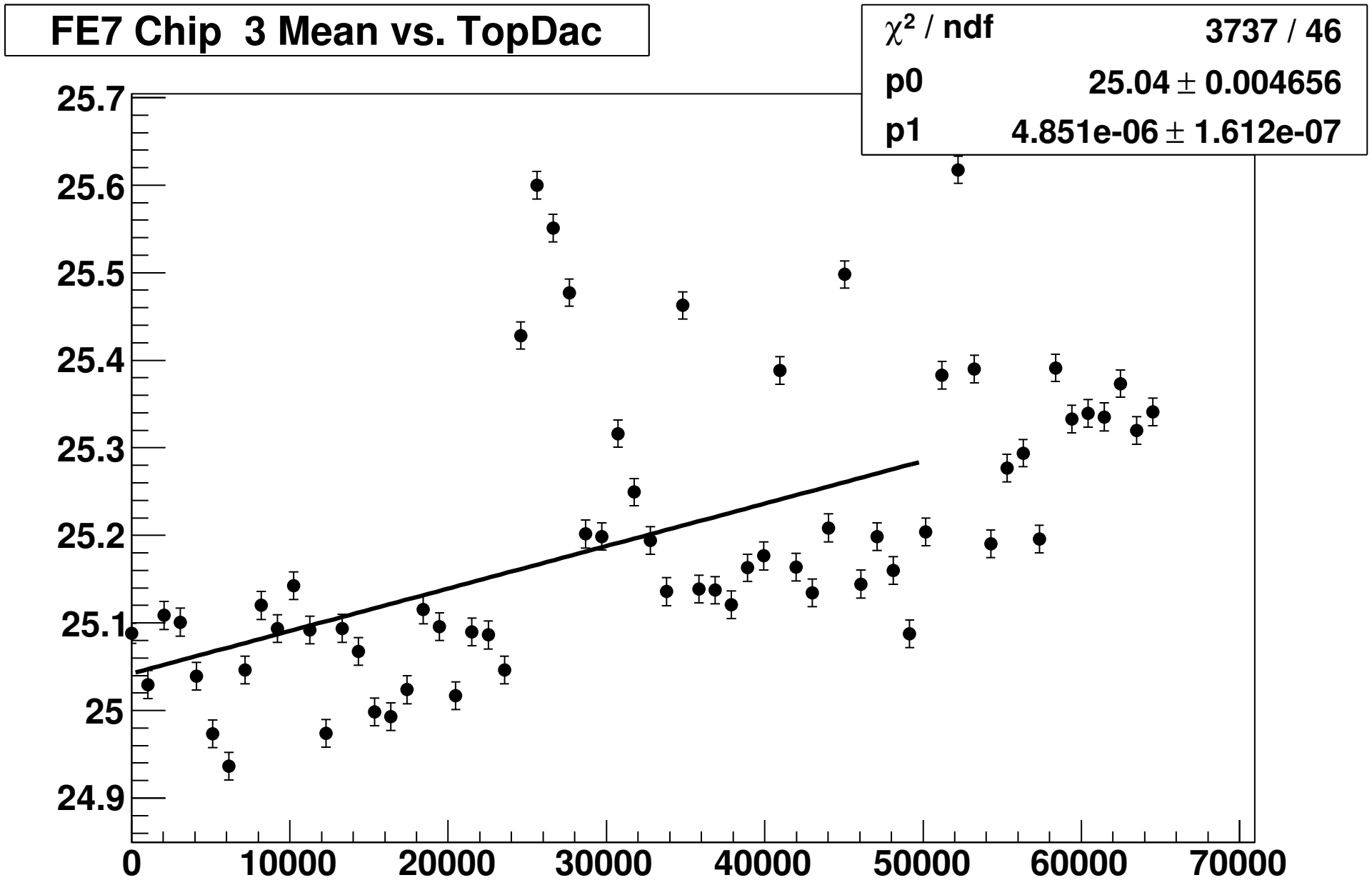

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 57.9 / 46
p0 1.504 ± 0.002432
p1 2.837e-06 ± 1.171e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. BotDac
χ² / ndf 1.298e+05 / 46
p0 26.24 ± 0.00464
p1 0.4511 ± 1.846e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Rms vs. BotDac
χ² / ndf 1280 / 46
p0 1.366 ± 0.002597
p1 3.462e-05 ± 1.389e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 3 Mean vs. TopDac
χ² / ndf 3737 / 46
p0 25.04 ± 0.004656
p1 4.851e-06 ± 1.612e-07
25.7
25.6
25.5
25.4
25.3
25.2
25.1
25
24.9
0
10000
20000
30000
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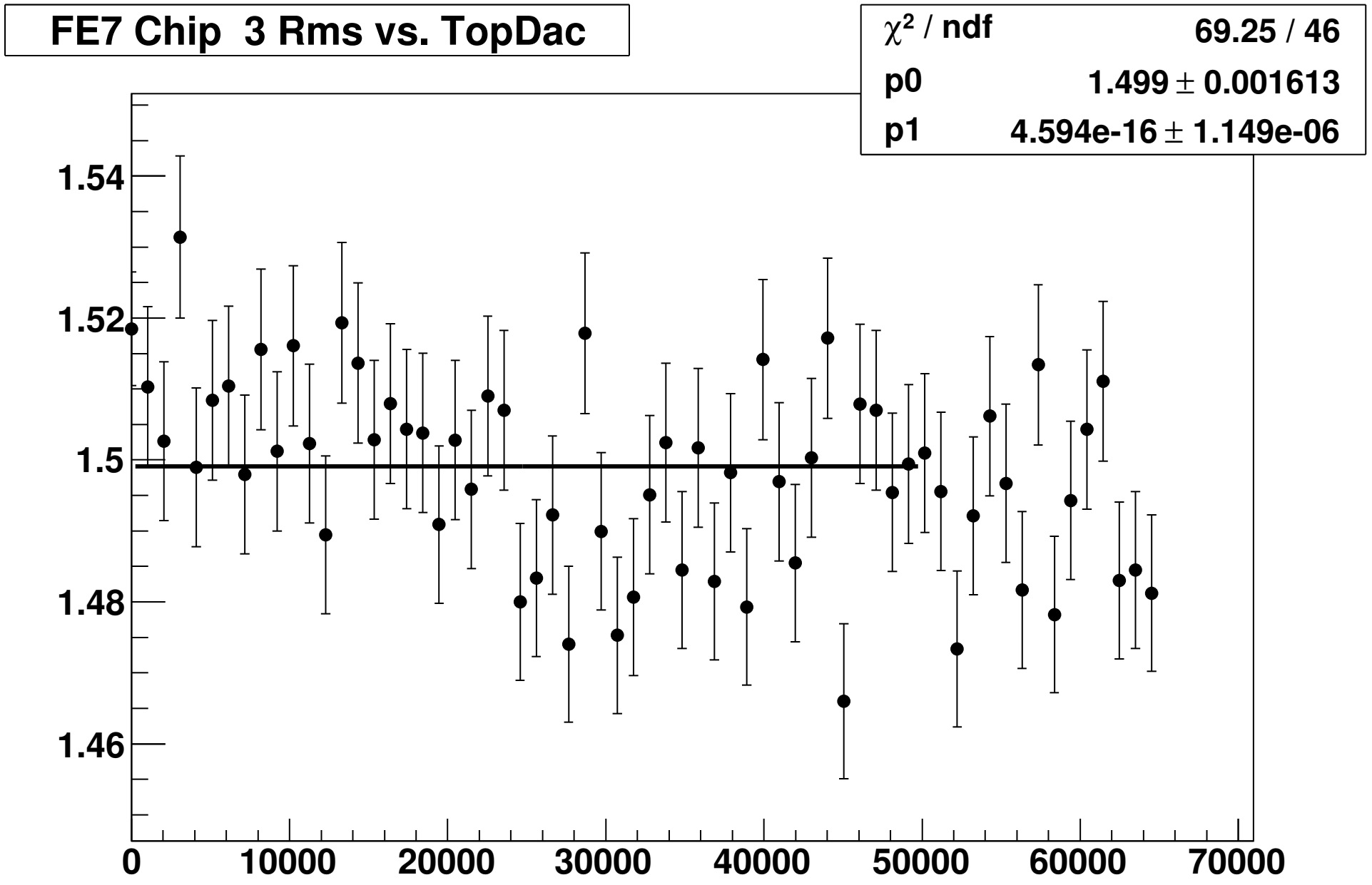
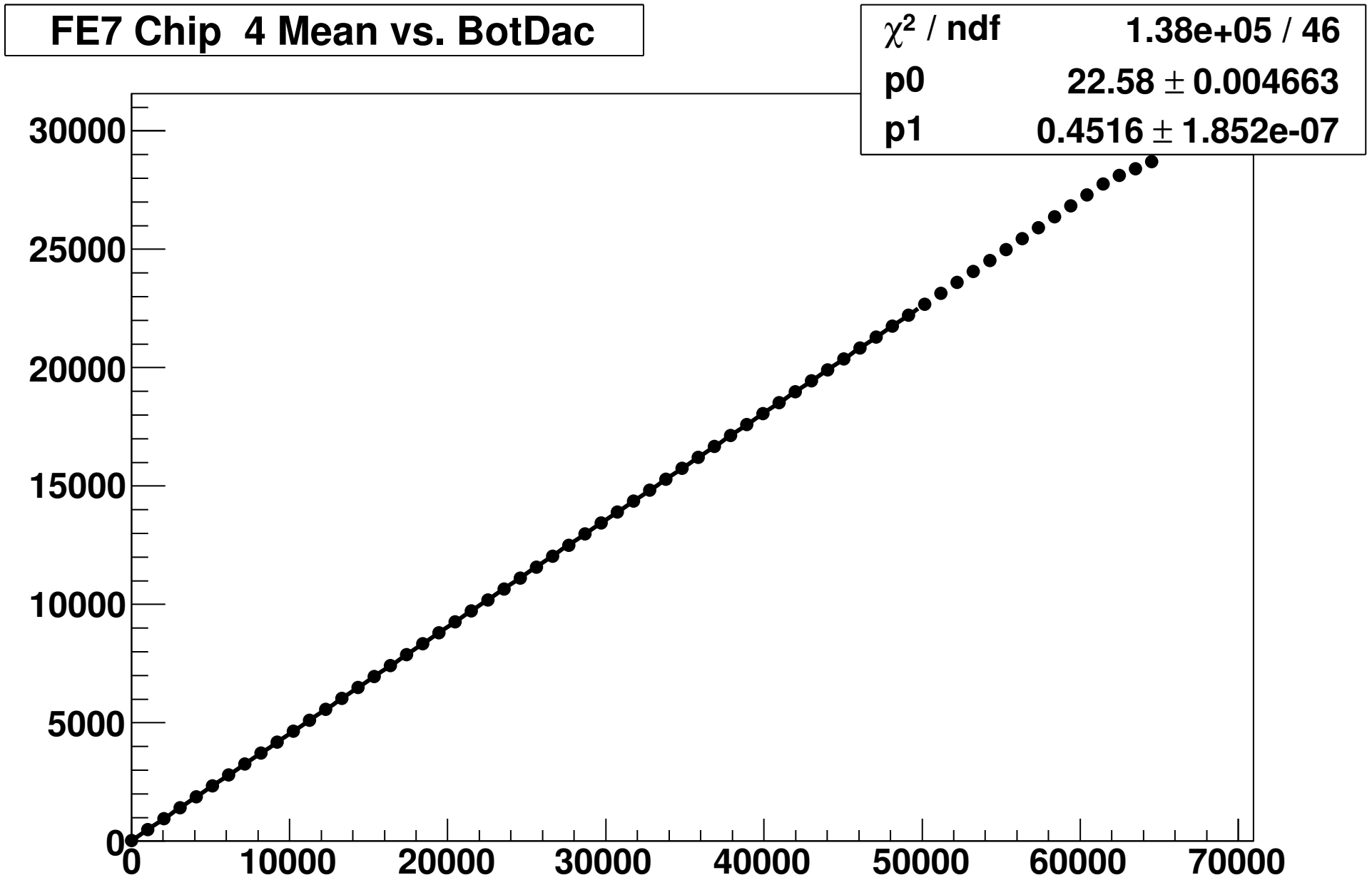
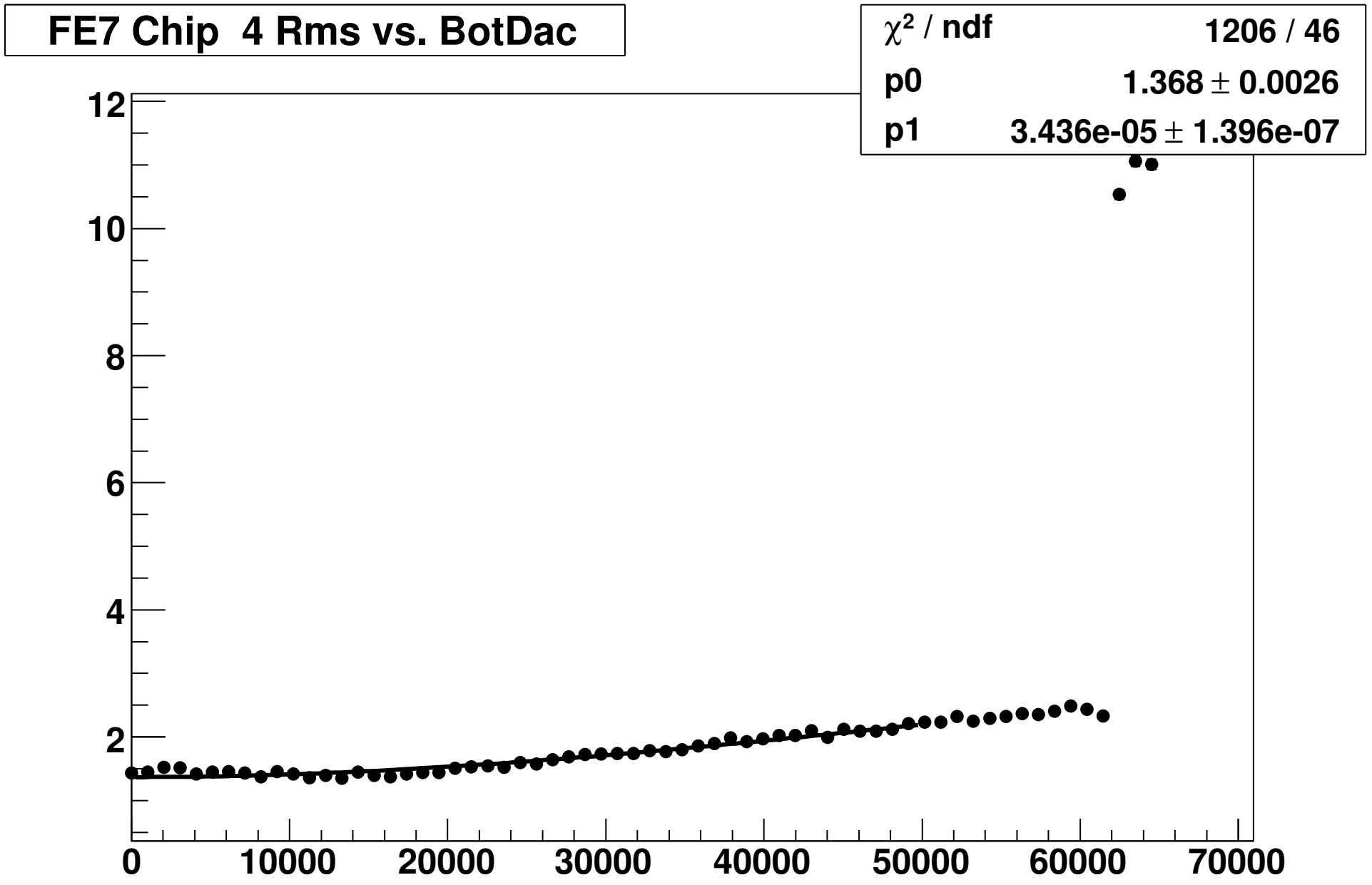
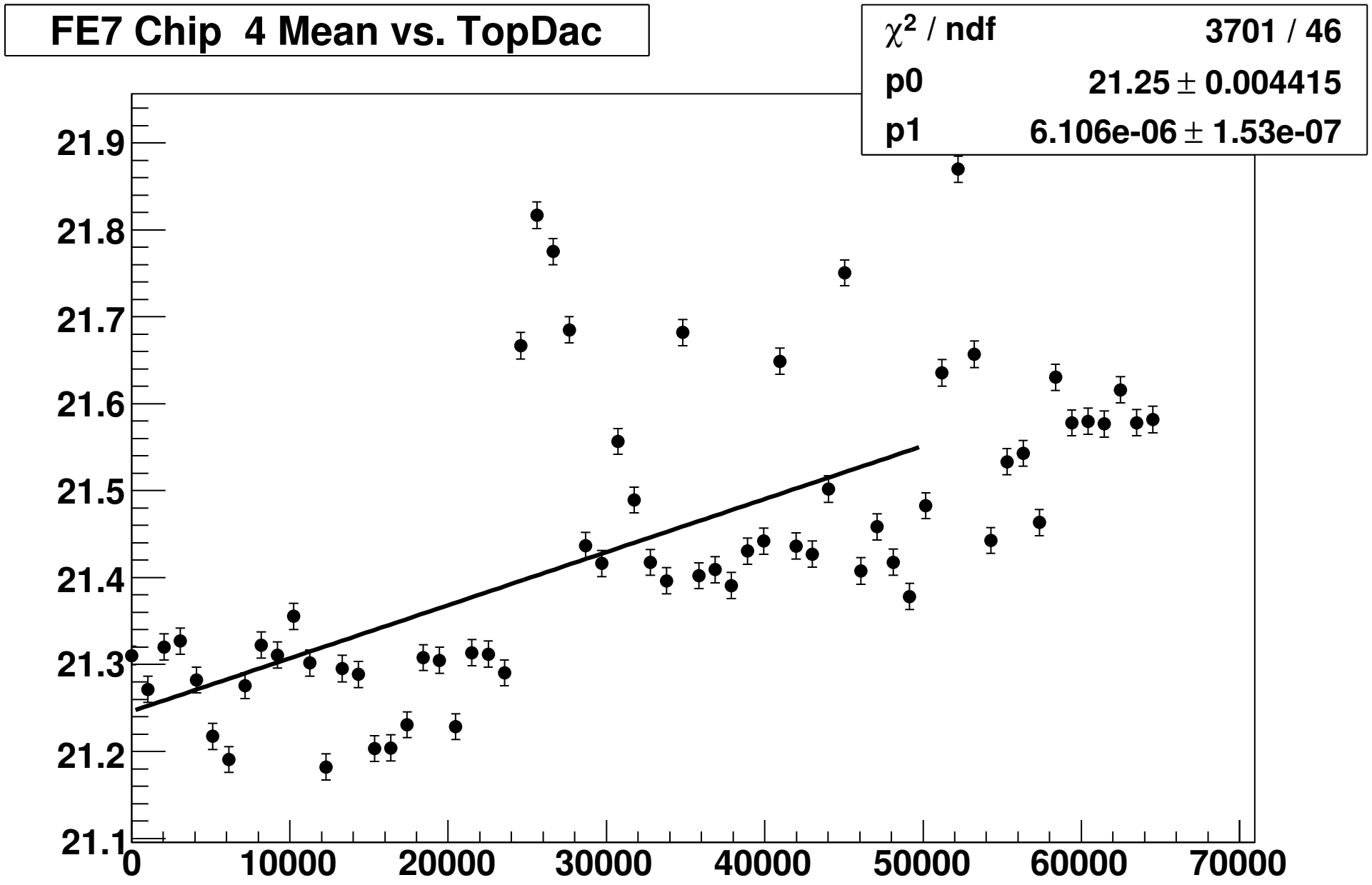

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 69.25 / 46
p0 1.499 ± 0.001613
p1 4.594e-16 ± 1.149e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Mean vs. BotDac
χ² / ndf 1.38e+05 / 46
p0 22.58 ± 0.004663
p1 0.4516 ± 1.852e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000


FE7 Chip 4 Rms vs. BotDac
χ² / ndf 1206 / 46
p0 1.368 ± 0.0026
p1 3.436e-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 3701 / 46
p0 21.25 ± 0.004415
p1 6.106e-06 ± 1.53e-07
21.9
21.8
21.7
21.6
21.5
21.4
21.3
21.2
21.1
0
10000
20000
30000
40000
50000
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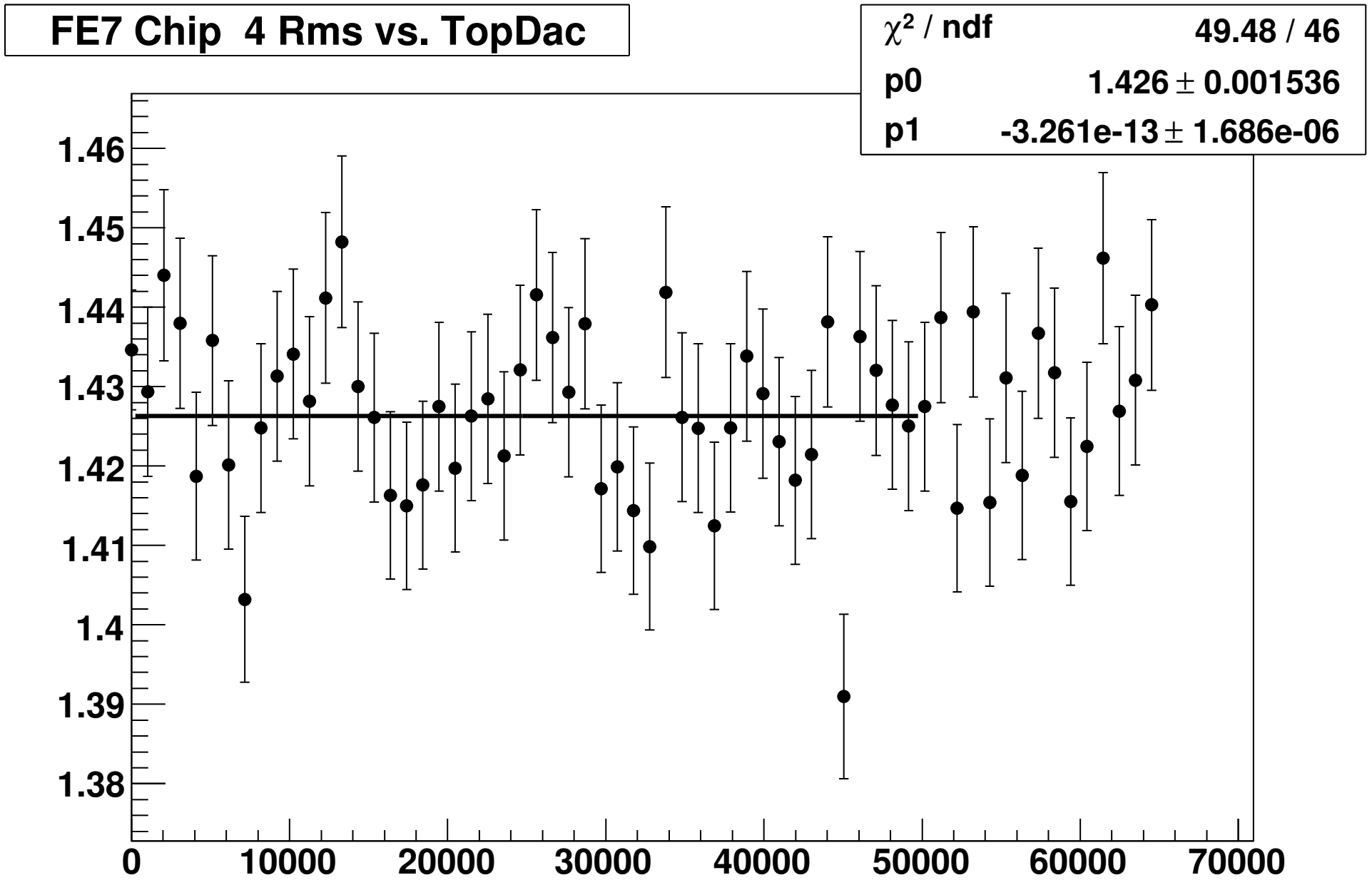
70000


FE7 Chip 4 Rms vs. TopDac
χ² / ndf 49.48 / 46
p0 1.426 ± 0.001536
p1 -3.261e-13 ± 1.686e-06
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
1.38
0
10000
20000
30000
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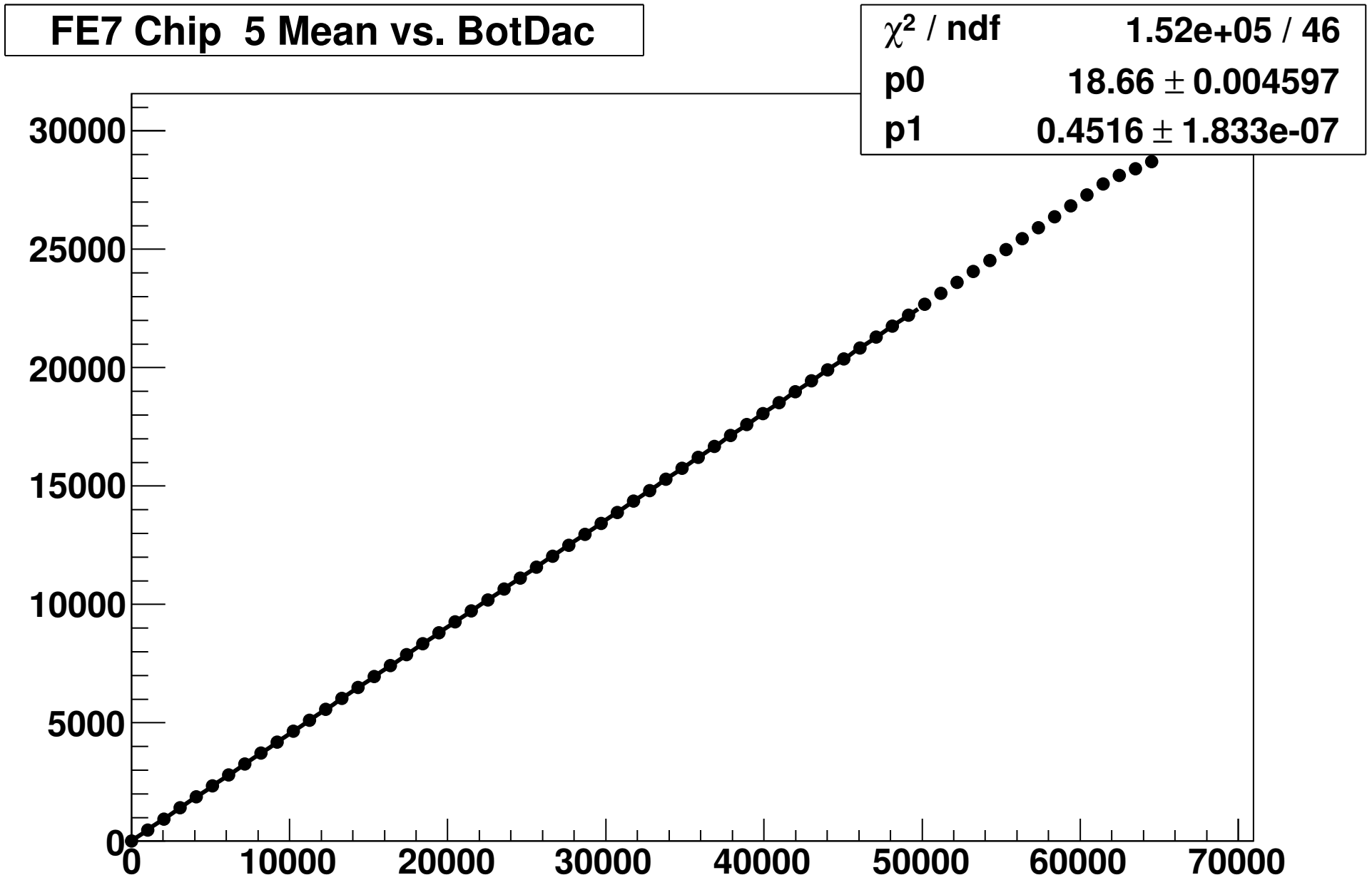
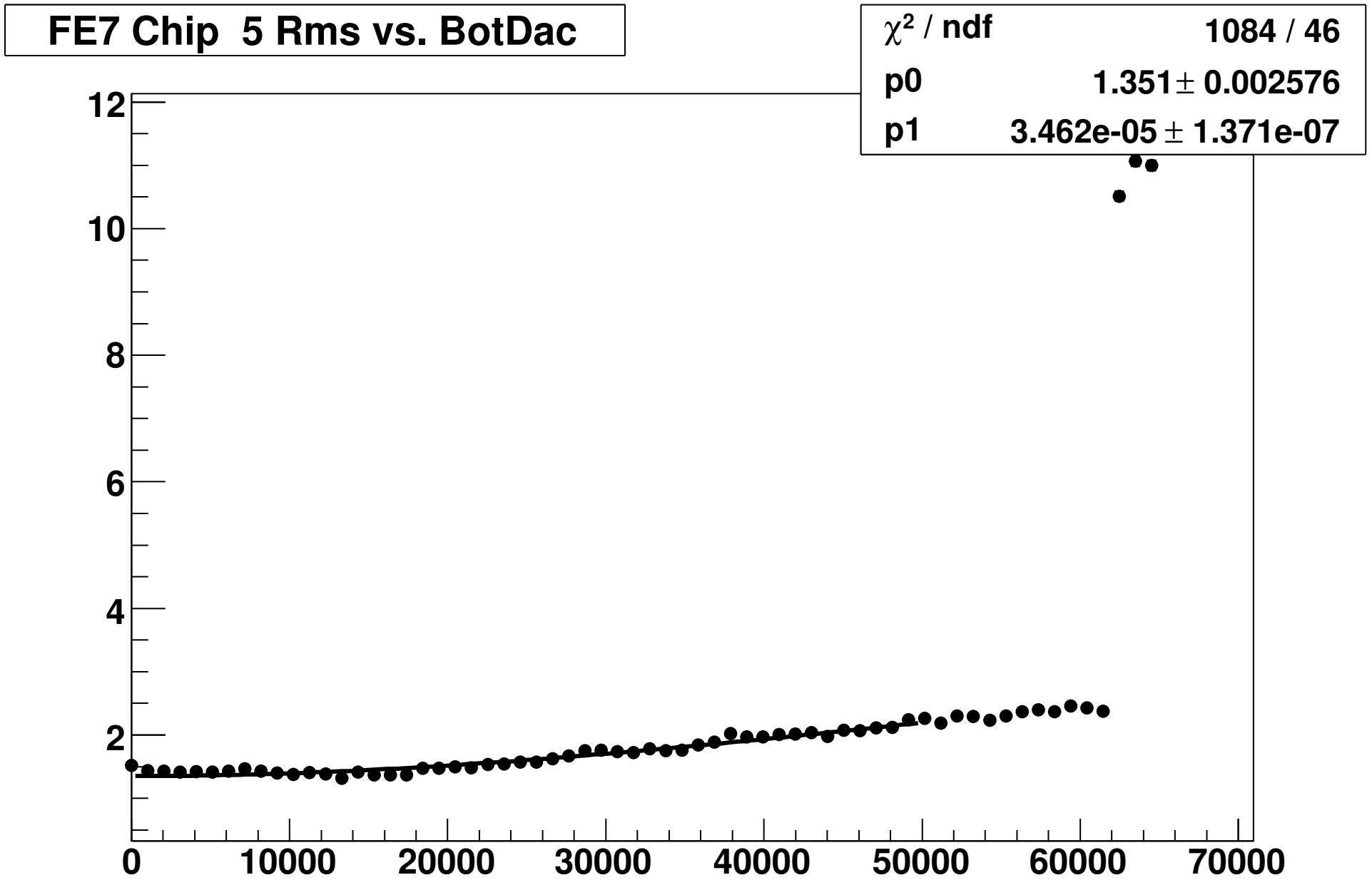
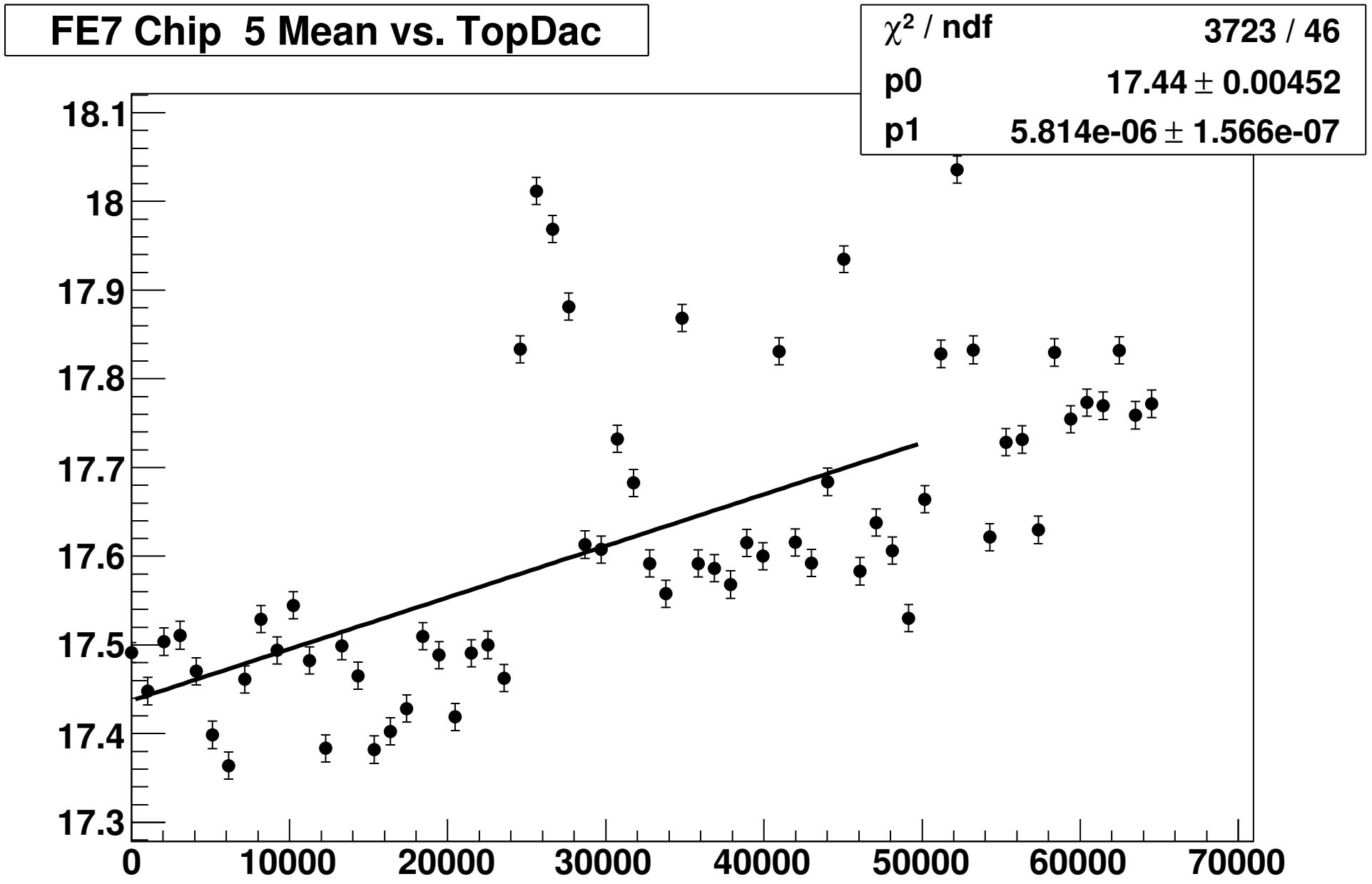
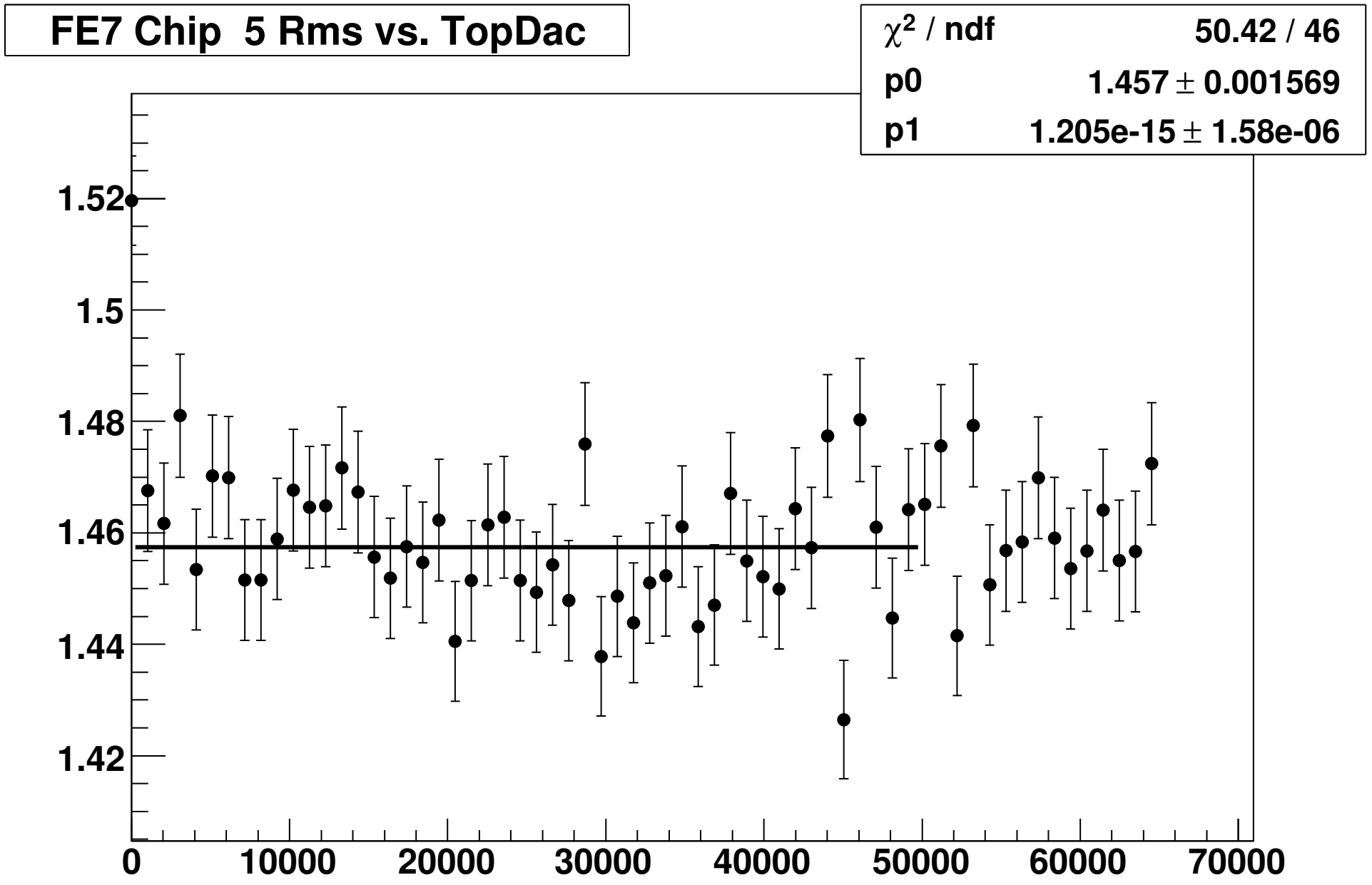
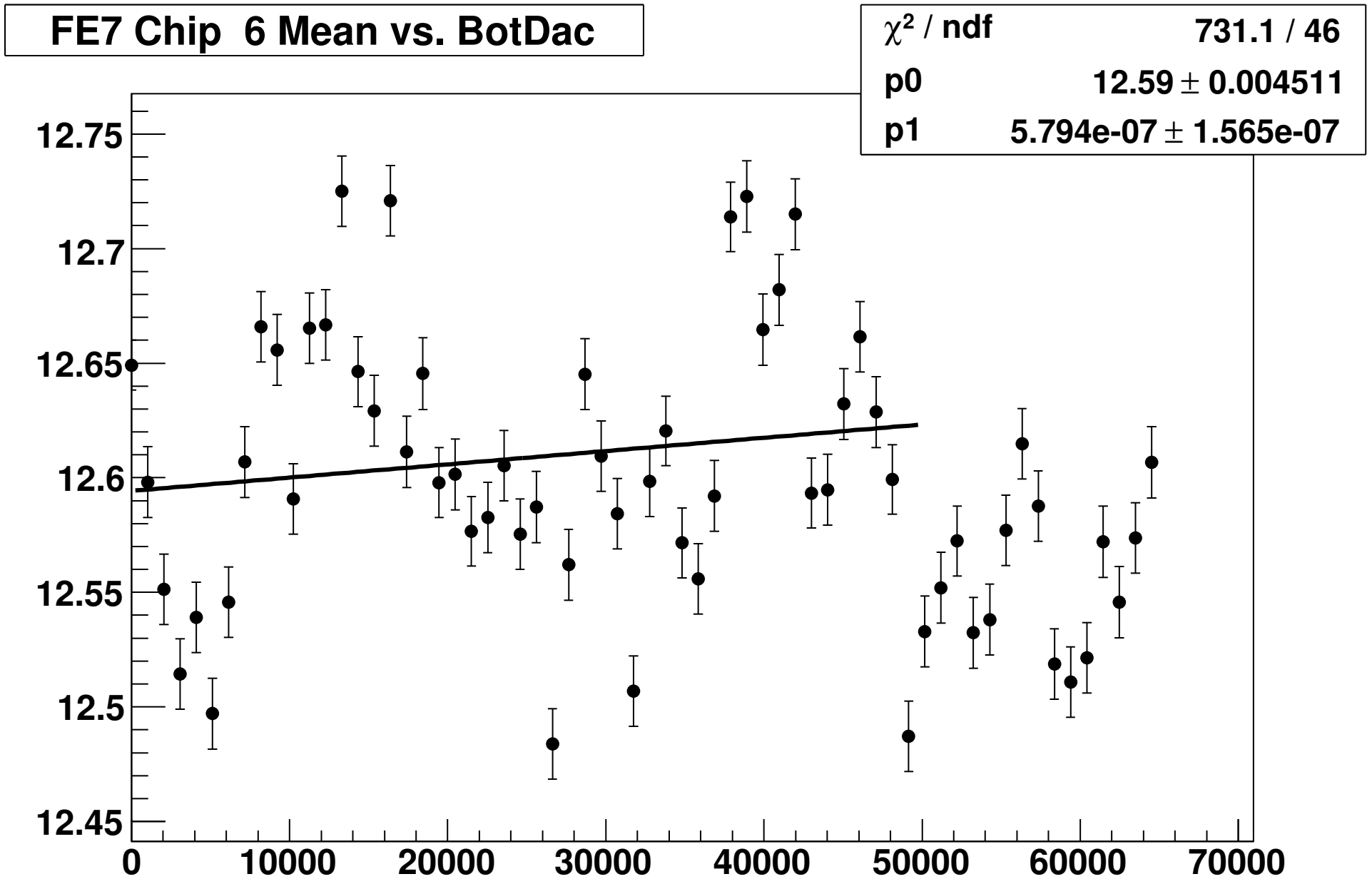
70000

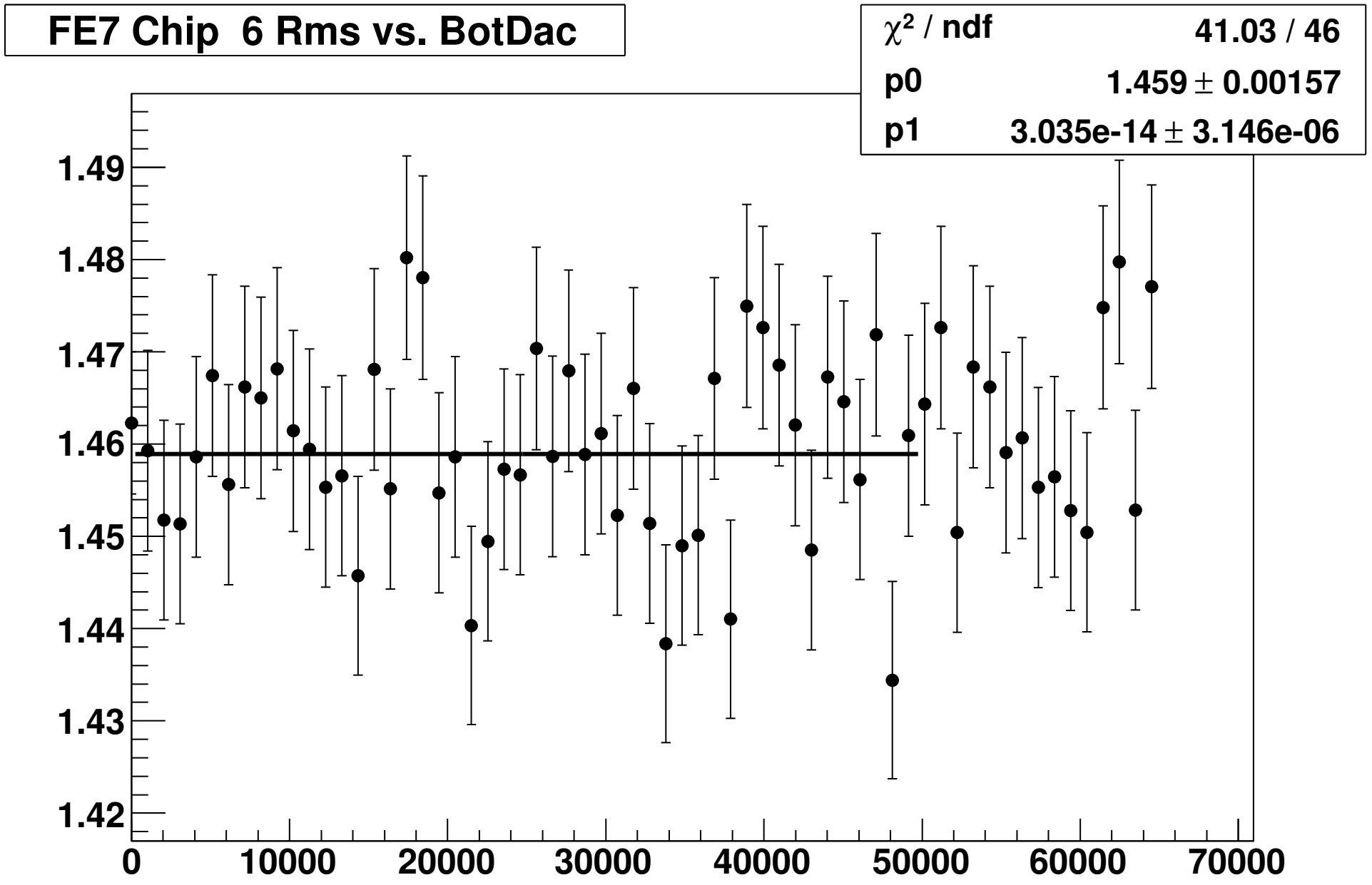

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 1.52e+05 / 46
p0 18.66 ± 0.004597
p1 0.4516 ± 1.833e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

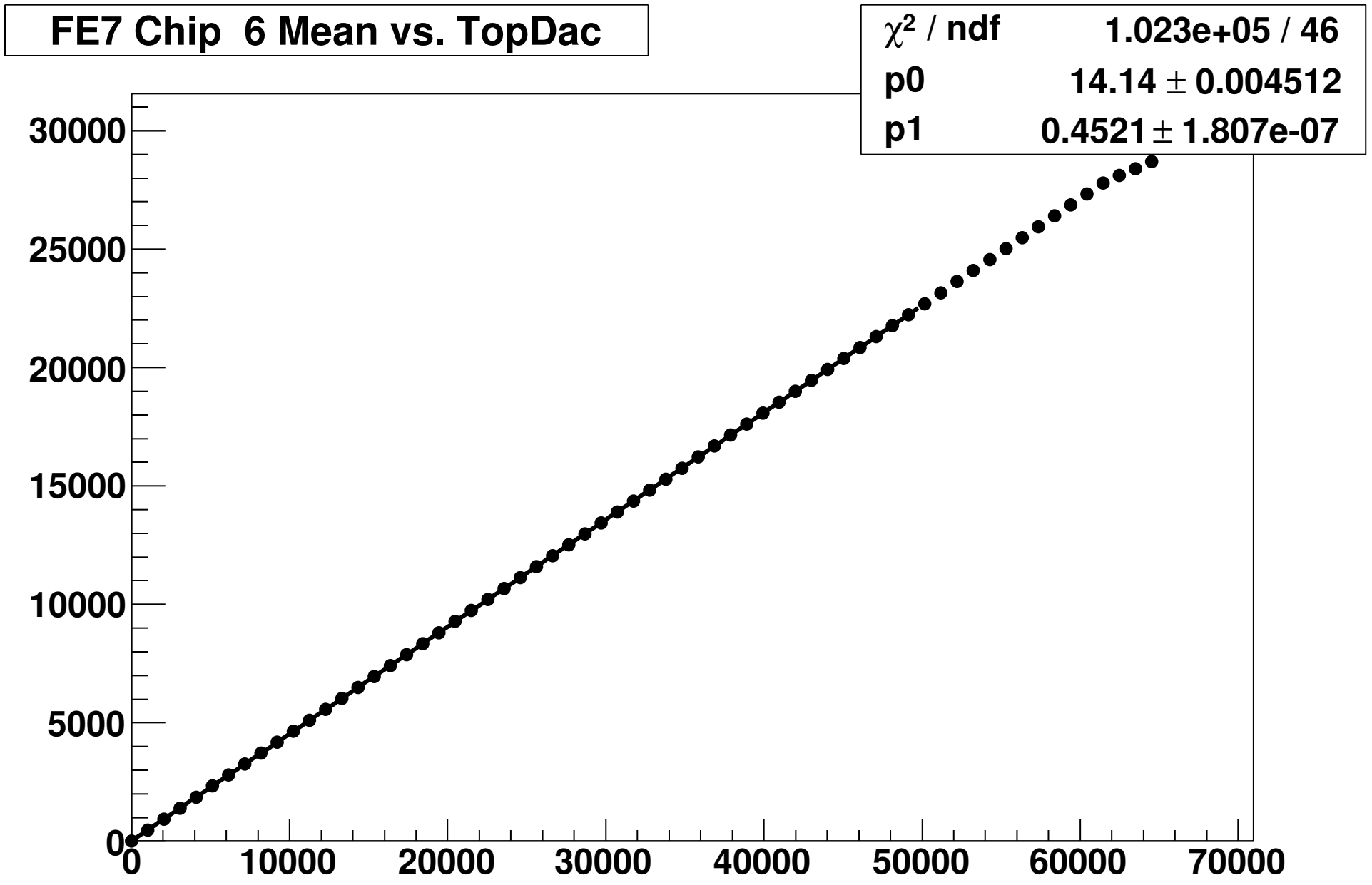

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 1084 / 46
p0 1.351 ± 0.002576
p1 3.462e-05 ± 1.371e-07
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

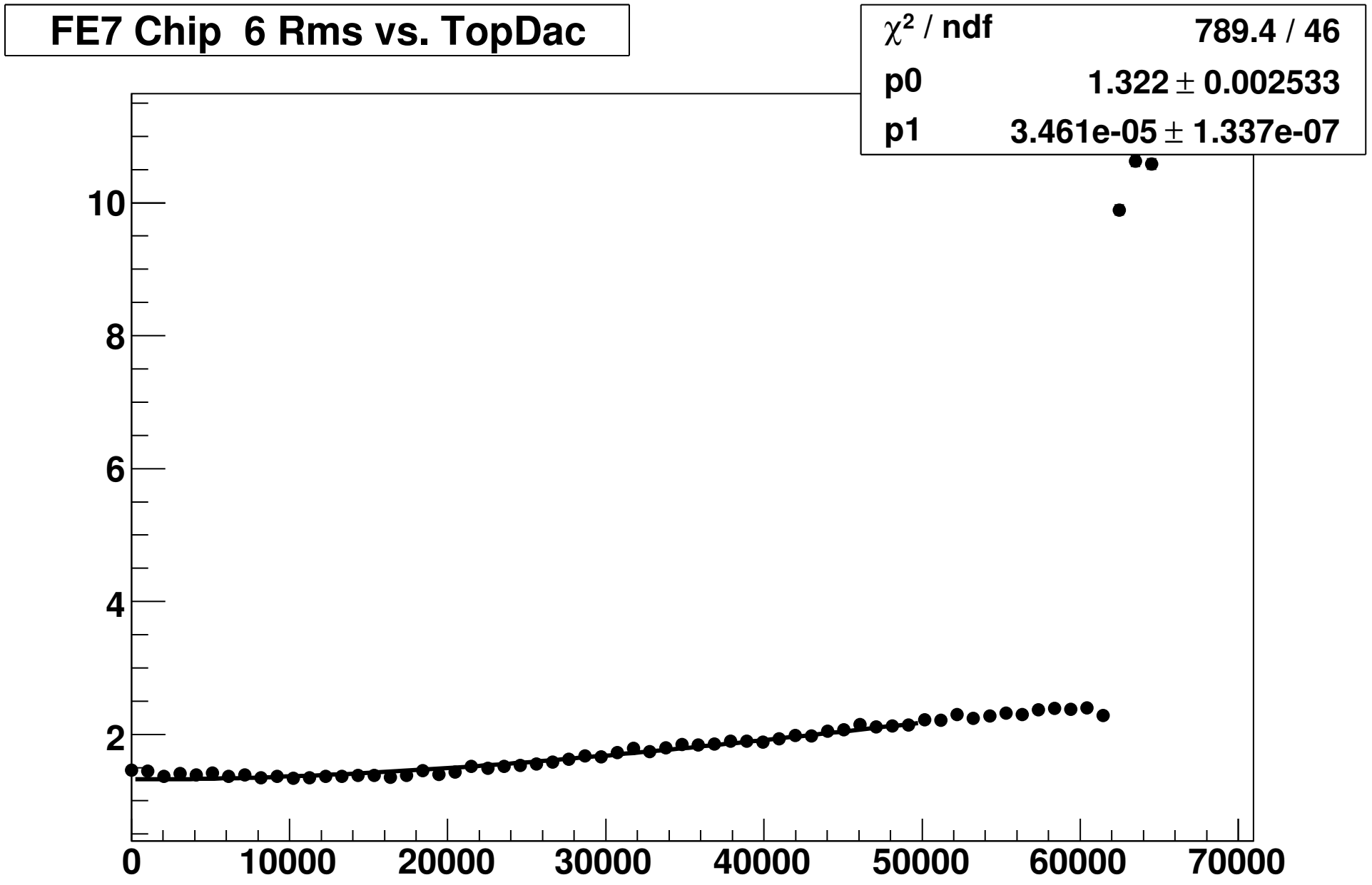

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 3723 / 46
p0 17.44 ± 0.00452
p1 5.814e-06 ± 1.566e-07
18.1
18
17.9
17.8
17.7
17.6
17.5
17.4
17.3
0
10000
20000
30000
40000
50000
60000
70000

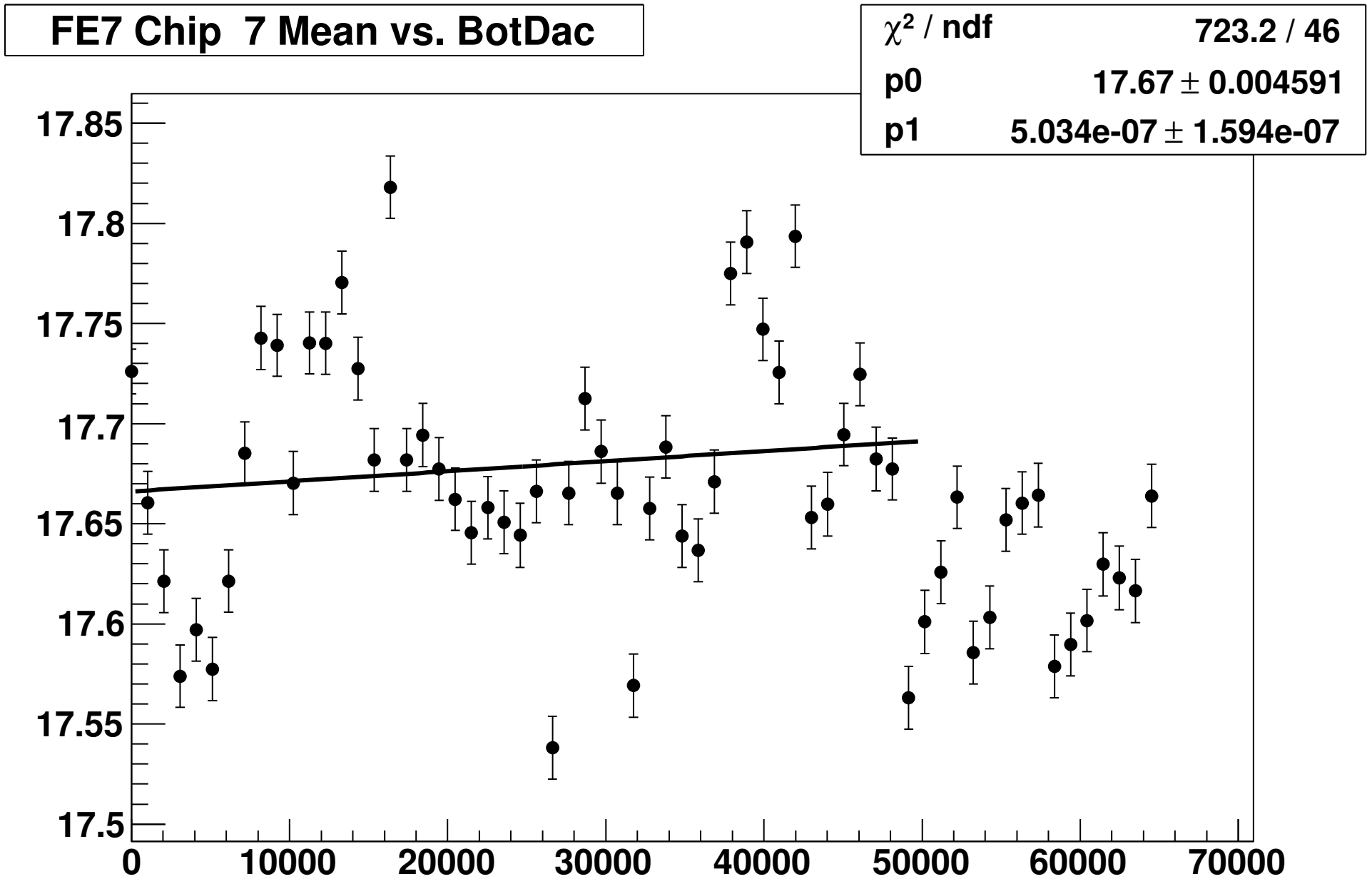

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 50.42 / 46
p0 1.457 ± 0.001569
p1 1.205e-15 ± 1.58e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000
70000

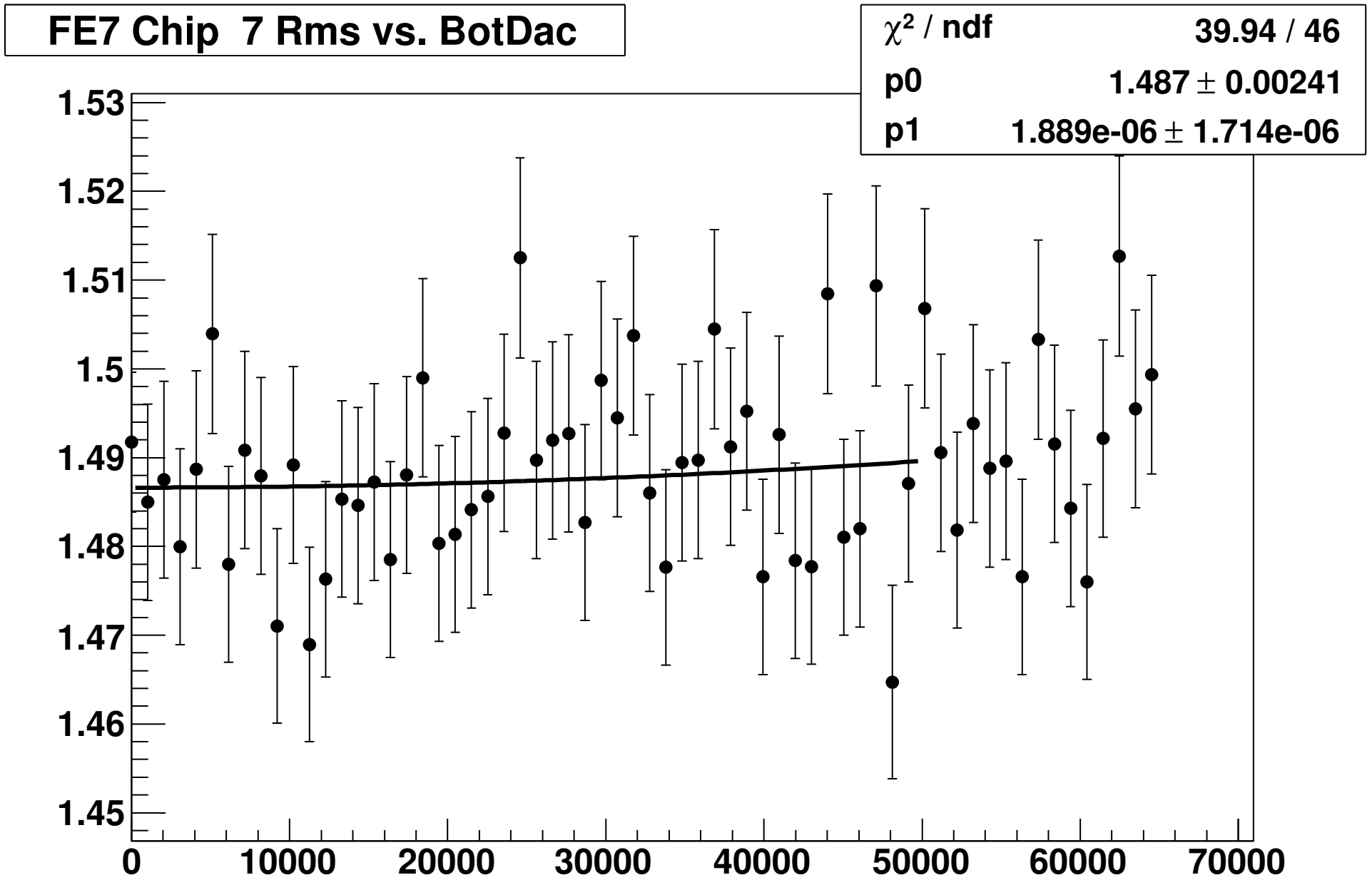

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 731.1 / 46
p0 12.59 ± 0.004511
p1 5.794e-07 ± 1.565e-07
12.75
12.7
12.65
12.6
12.55
12.5
12.45
0
10000
20000
30000
40000
50000
60000
70000

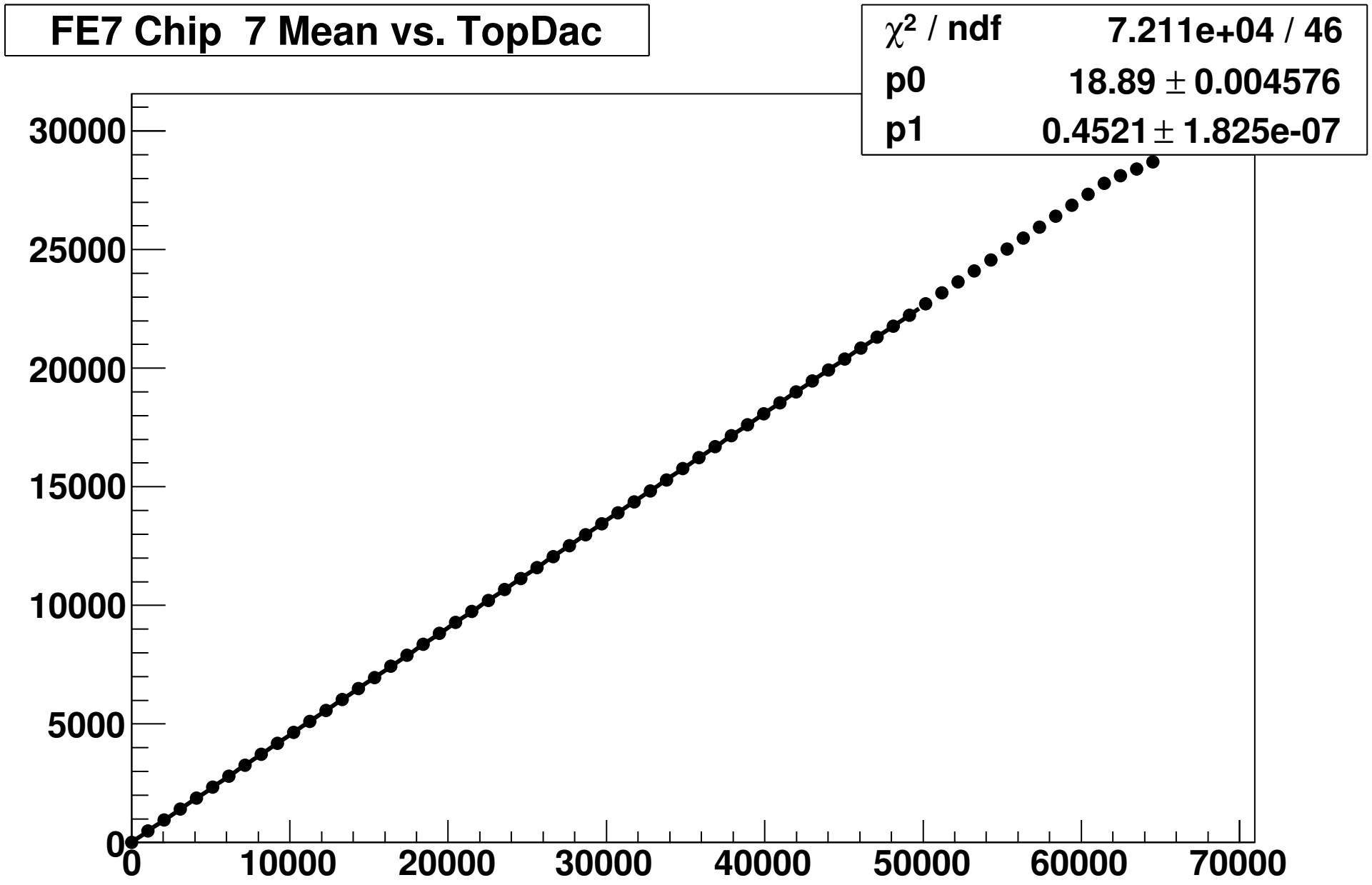

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 41.03 / 46
p0 1.459 ± 0.00157
p1 3.035e-14 ± 3.146e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

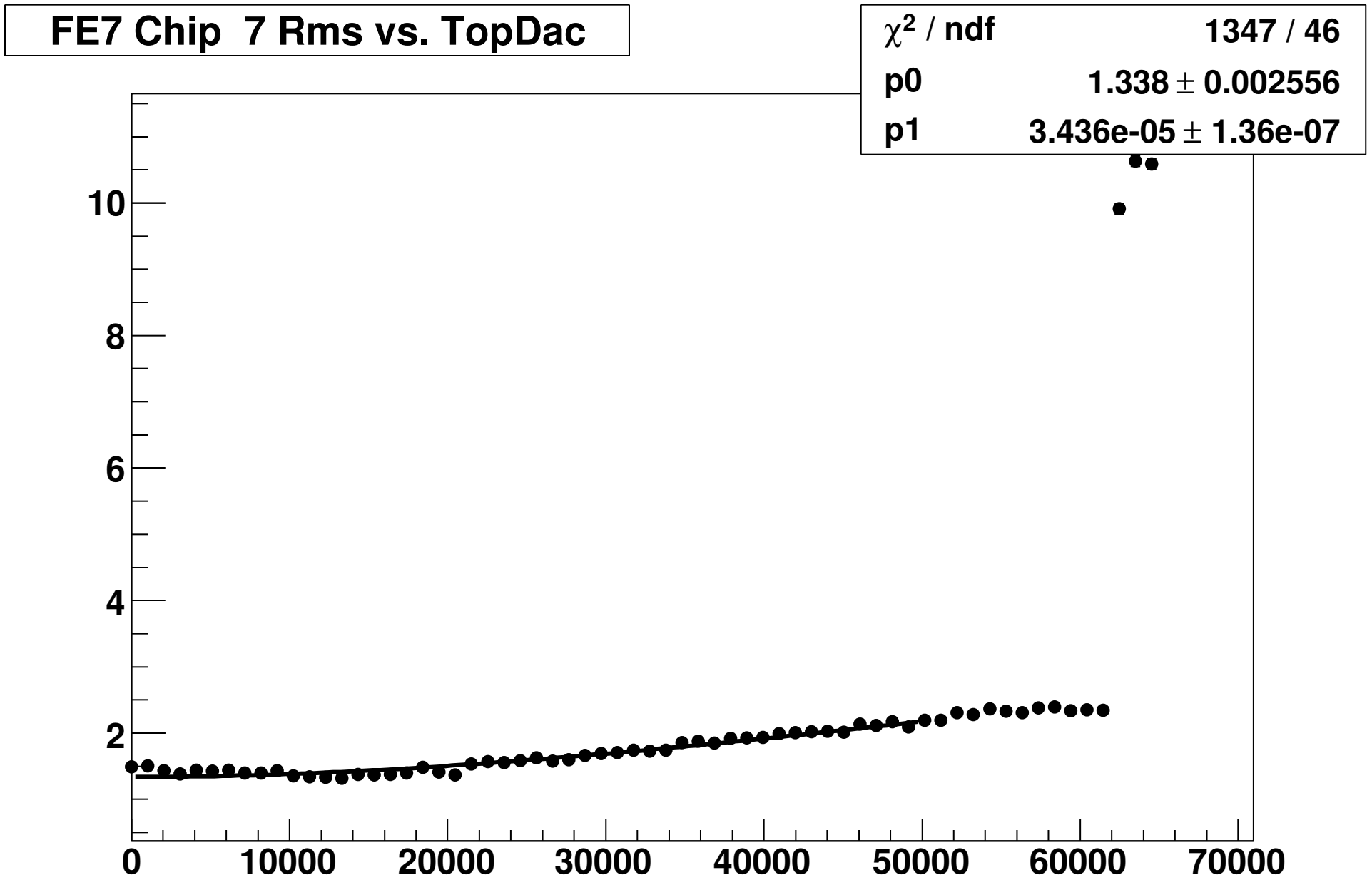

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 1.023e+05 / 46
p0 14.14 ± 0.004512
p1 0.4521 ± 1.807e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

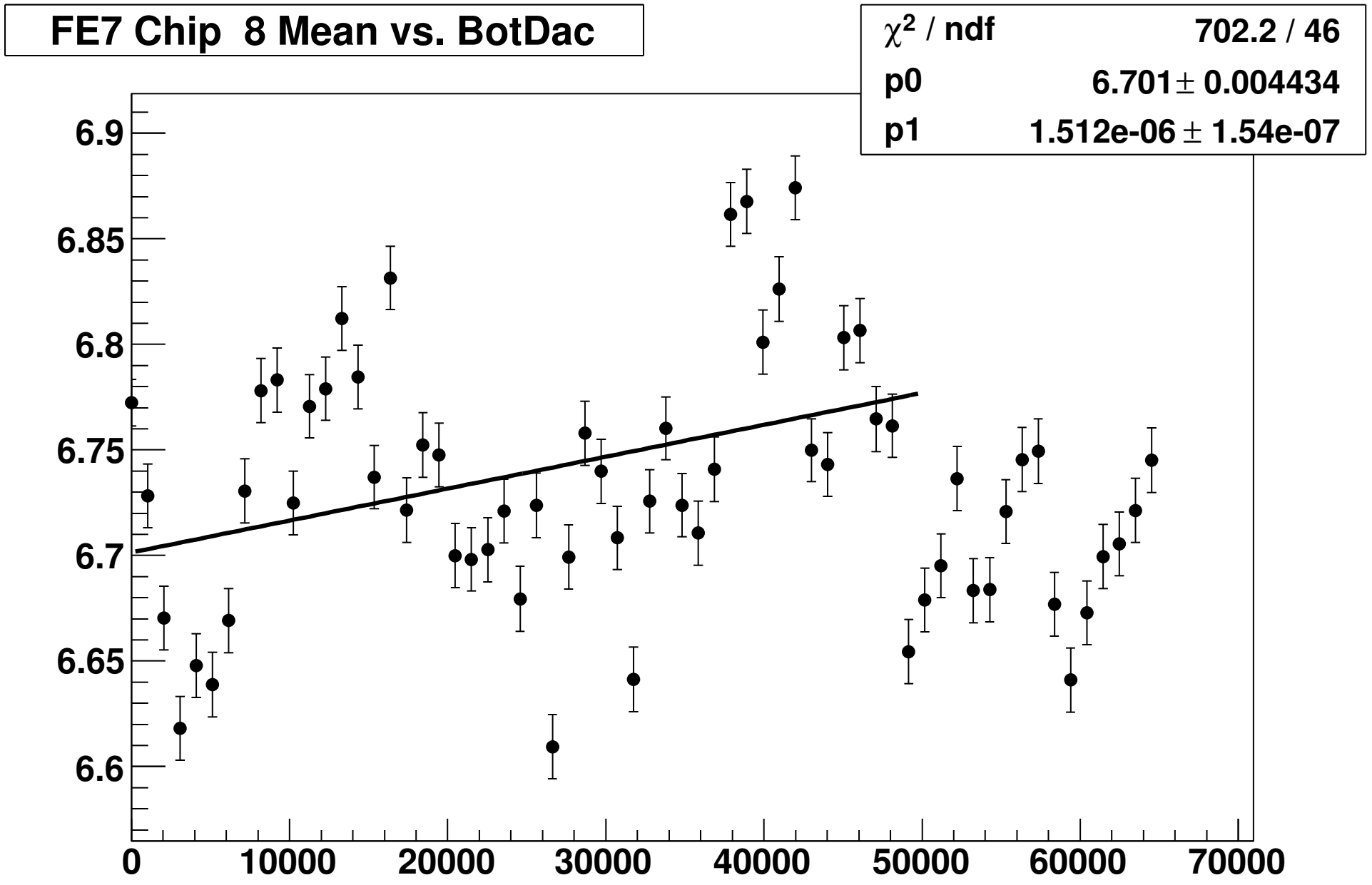

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 789.4 / 46
p0 1.322 ± 0.002533
p1 3.461e-05 ± 1.337e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

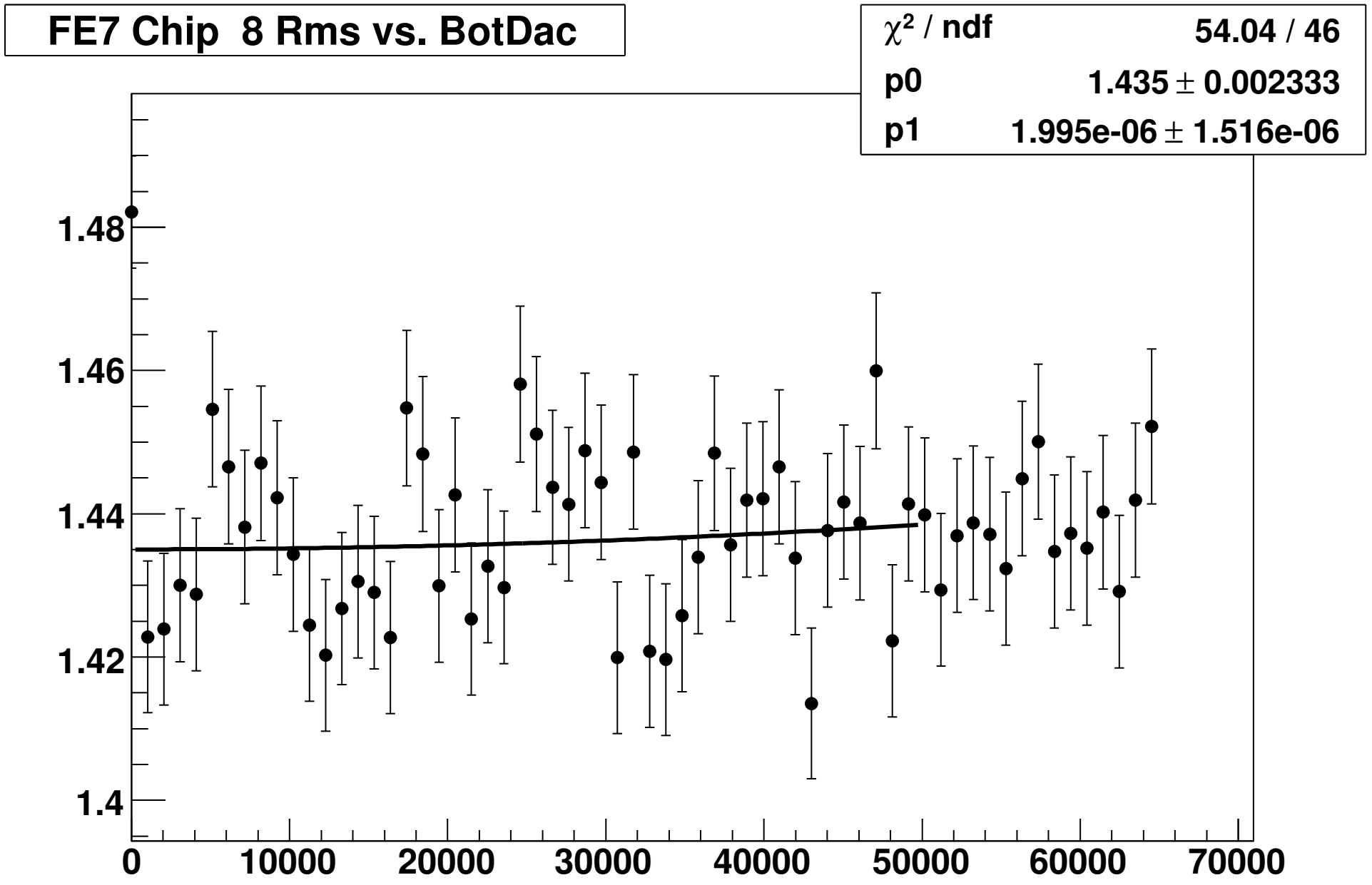

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 723.2 / 46
p0 17.67 ± 0.004591
p1 5.034e-07 ± 1.594e-07
17.85
17.8
17.75
17.7
17.65
17.6
17.55
17.5
0
10000
20000
30000
40000
50000
60000
70000

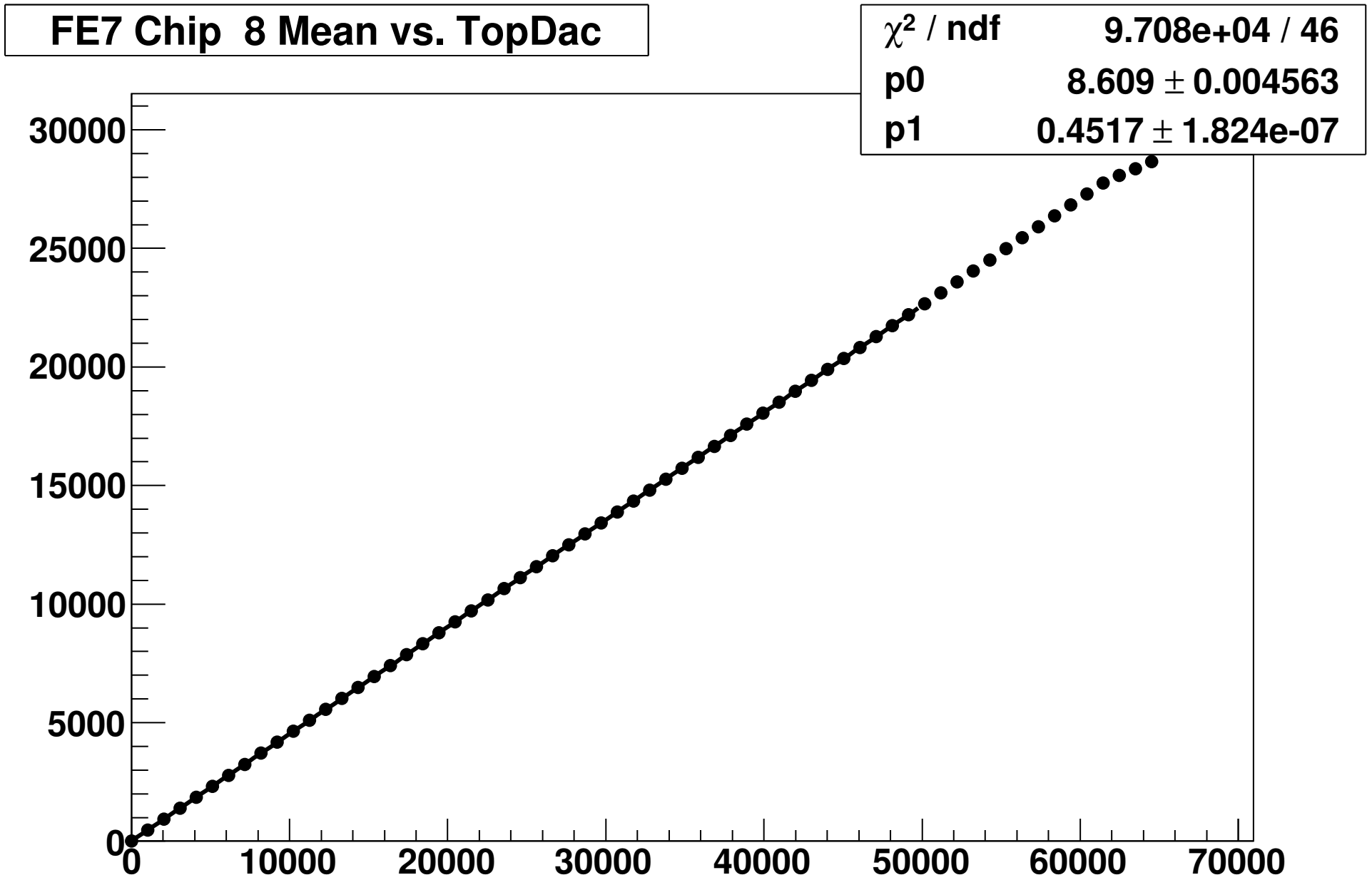

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 39.94 / 46
p0 1.487 ± 0.00241
p1 1.889e-06 ± 1.714e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000
70000

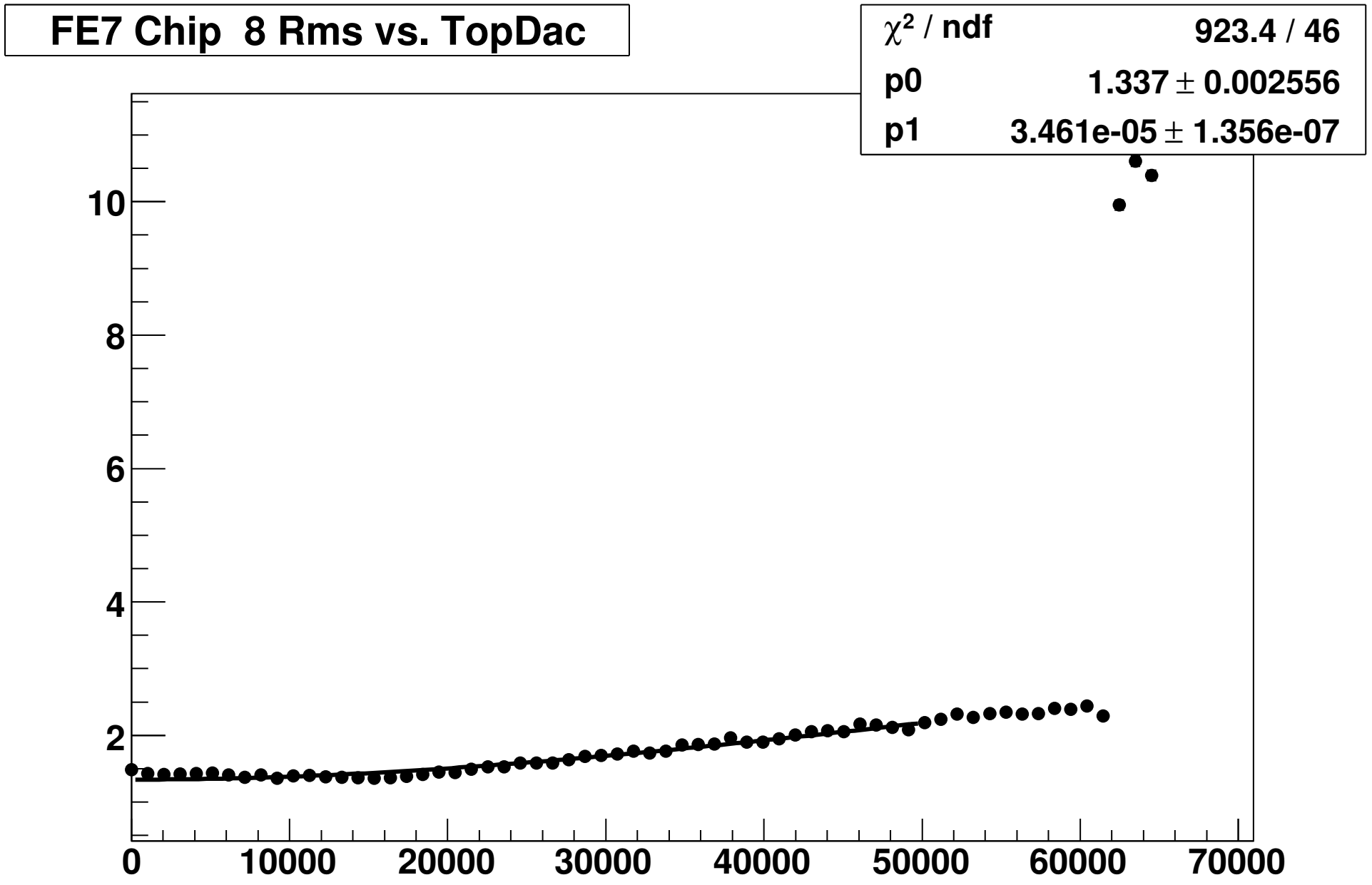

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 7.211e+04 / 46
p0 18.89 ± 0.004576
p1 0.4521 ± 1.825e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

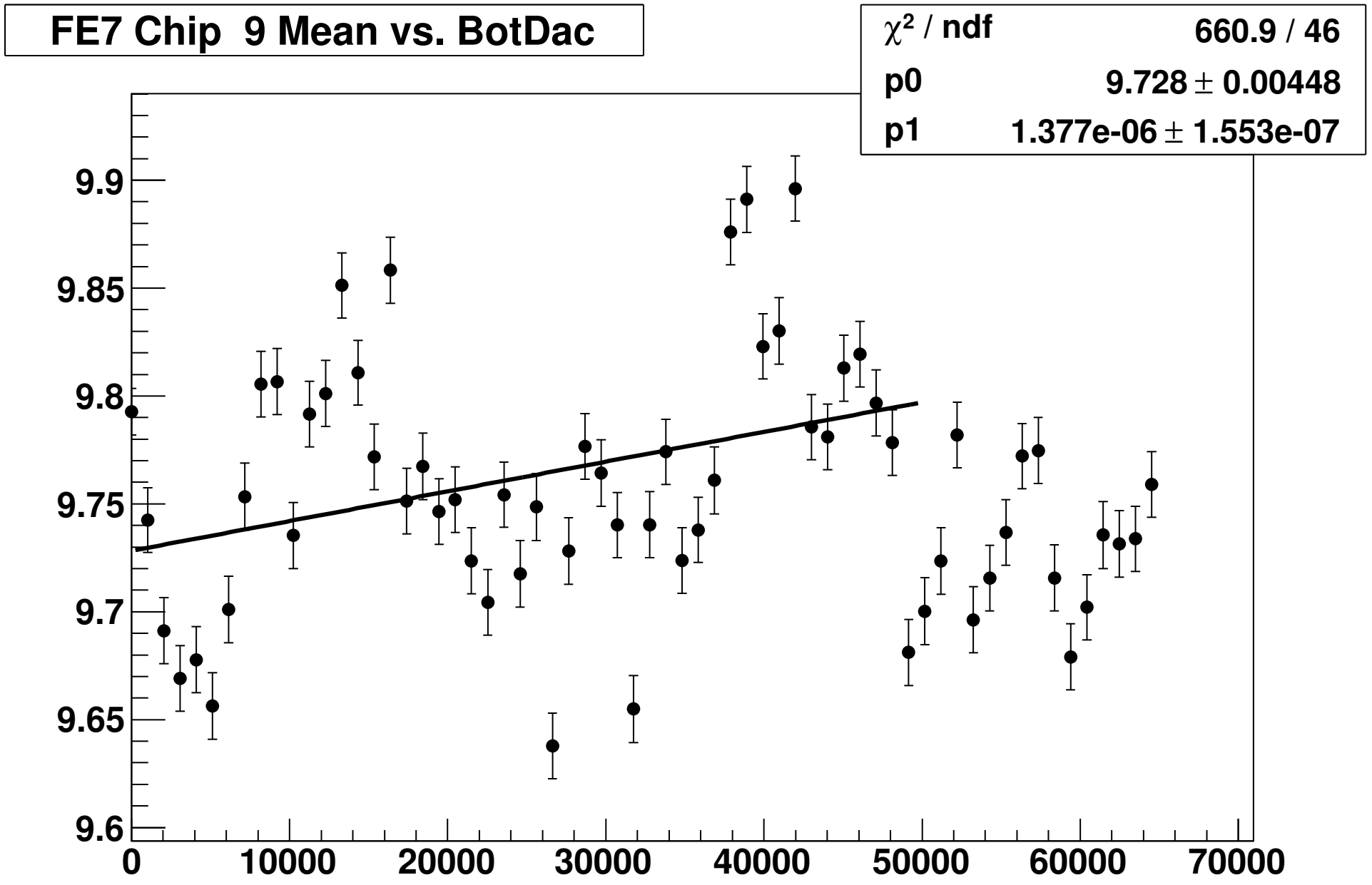

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 1347 / 46
p0 1.338 ± 0.002556
p1 3.436e-05 ± 1.36e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

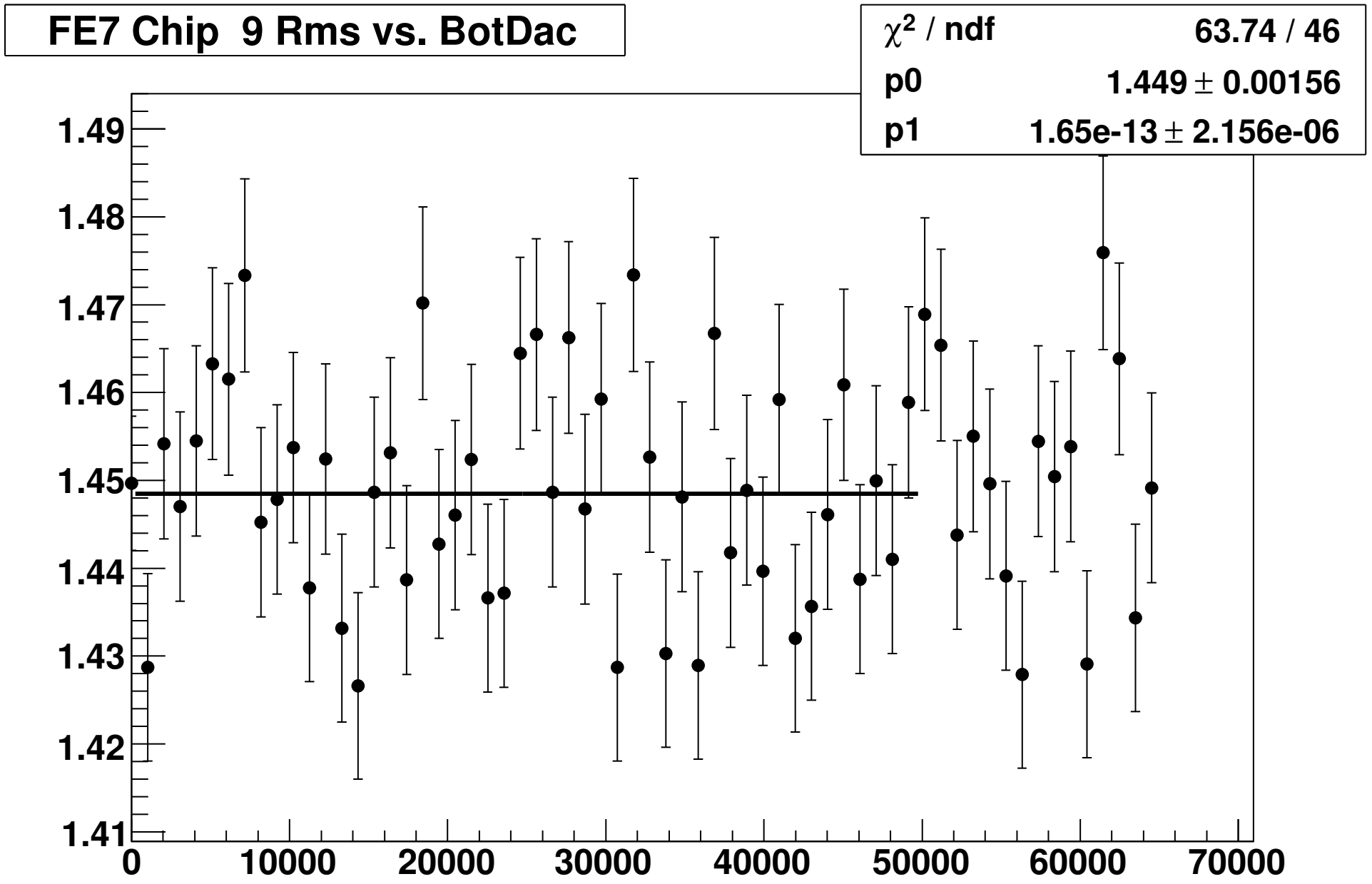

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 702.2 / 46
p0 6.701 ± 0.004434
p1 1.512e-06 ± 1.54e-07
6.9
6.85
6.8
6.75
6.7
6.65
6.6
0
10000
20000
30000
40000
50000
60000
70000

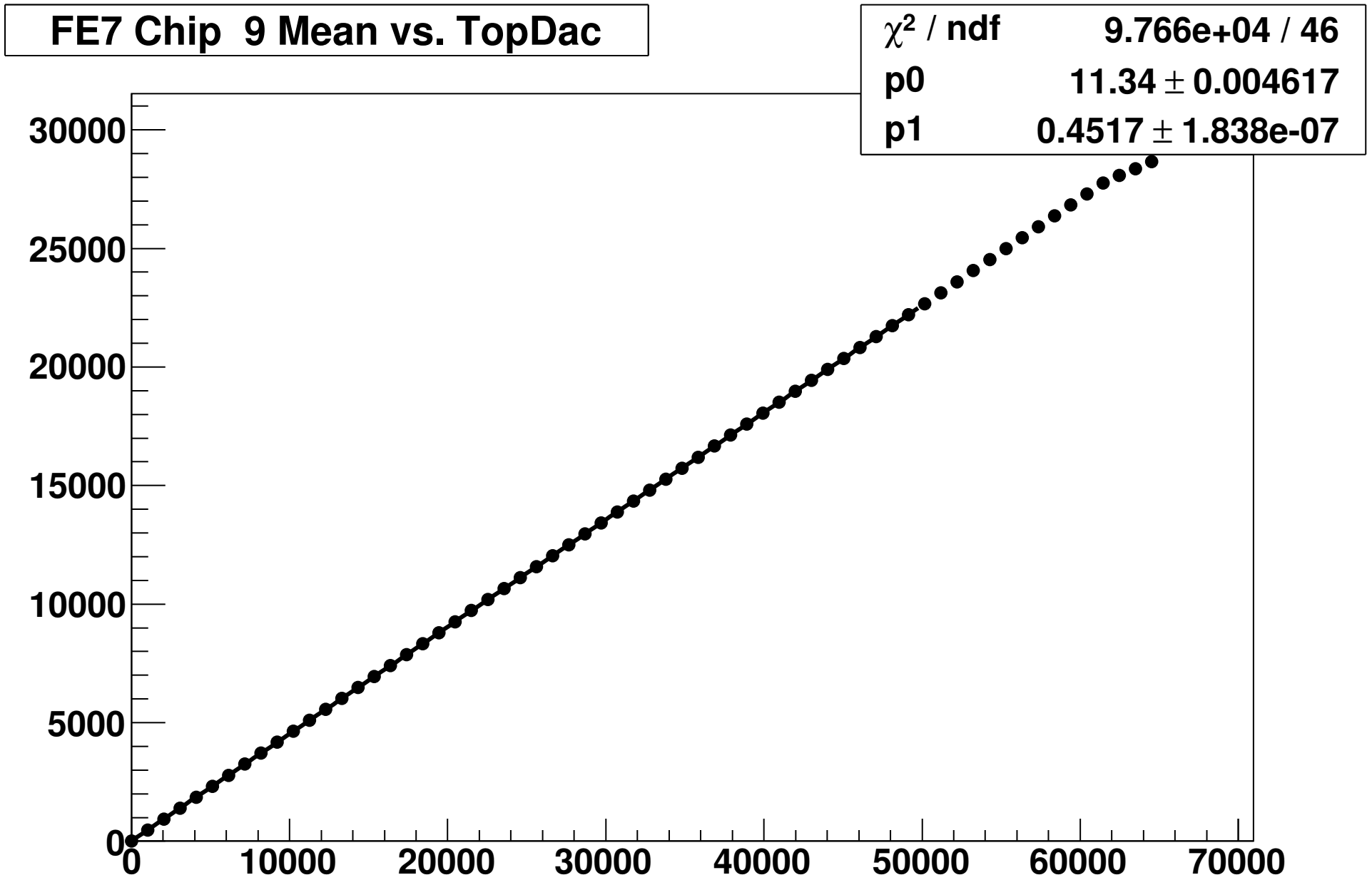

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 54.04 / 46
p0 1.435 ± 0.002333
p1 1.995e-06 ± 1.516e-06
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000
70000

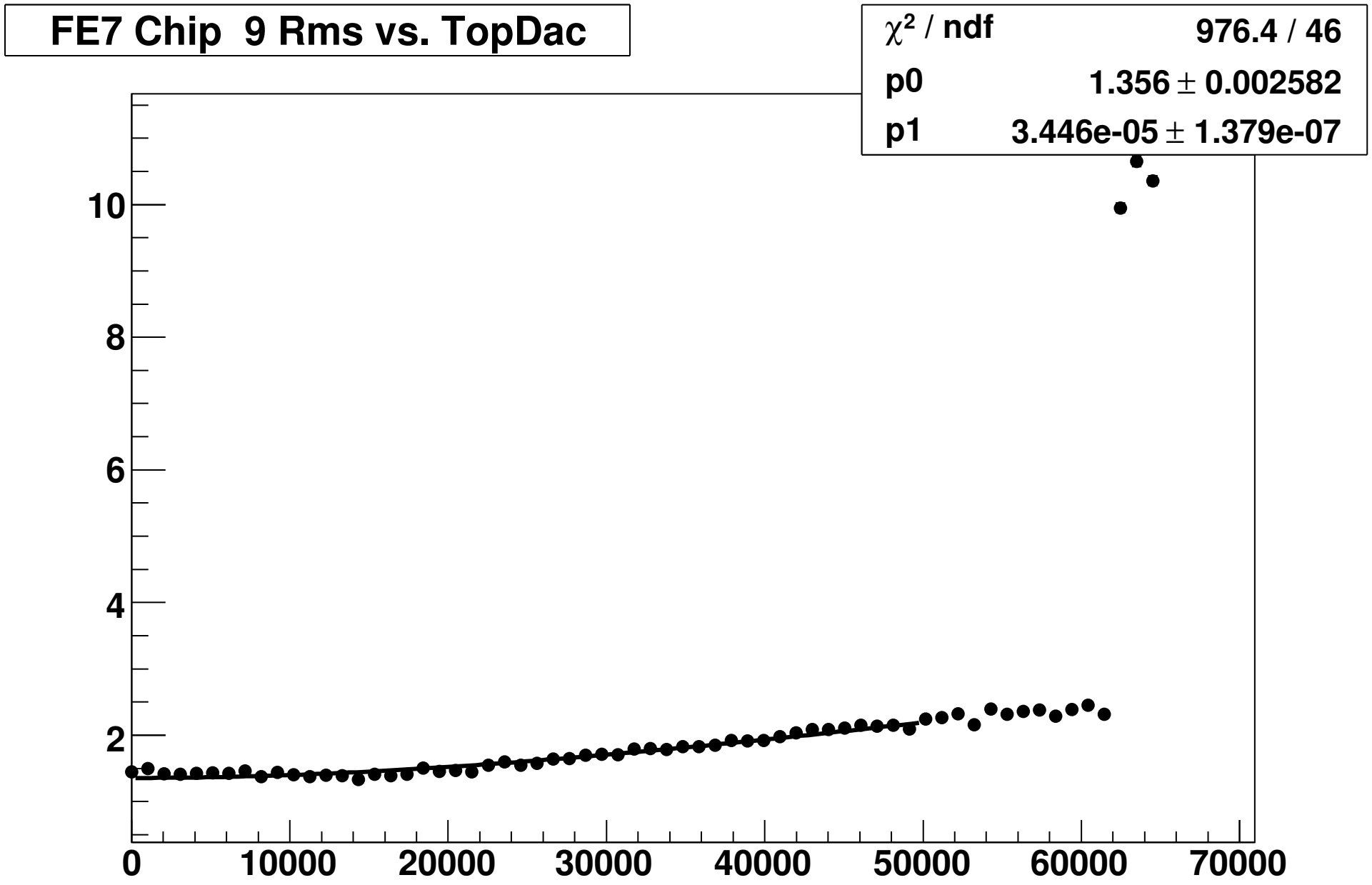

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 9.708e+04 / 46
p0 8.609 ± 0.004563
p1 0.4517 ± 1.824e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

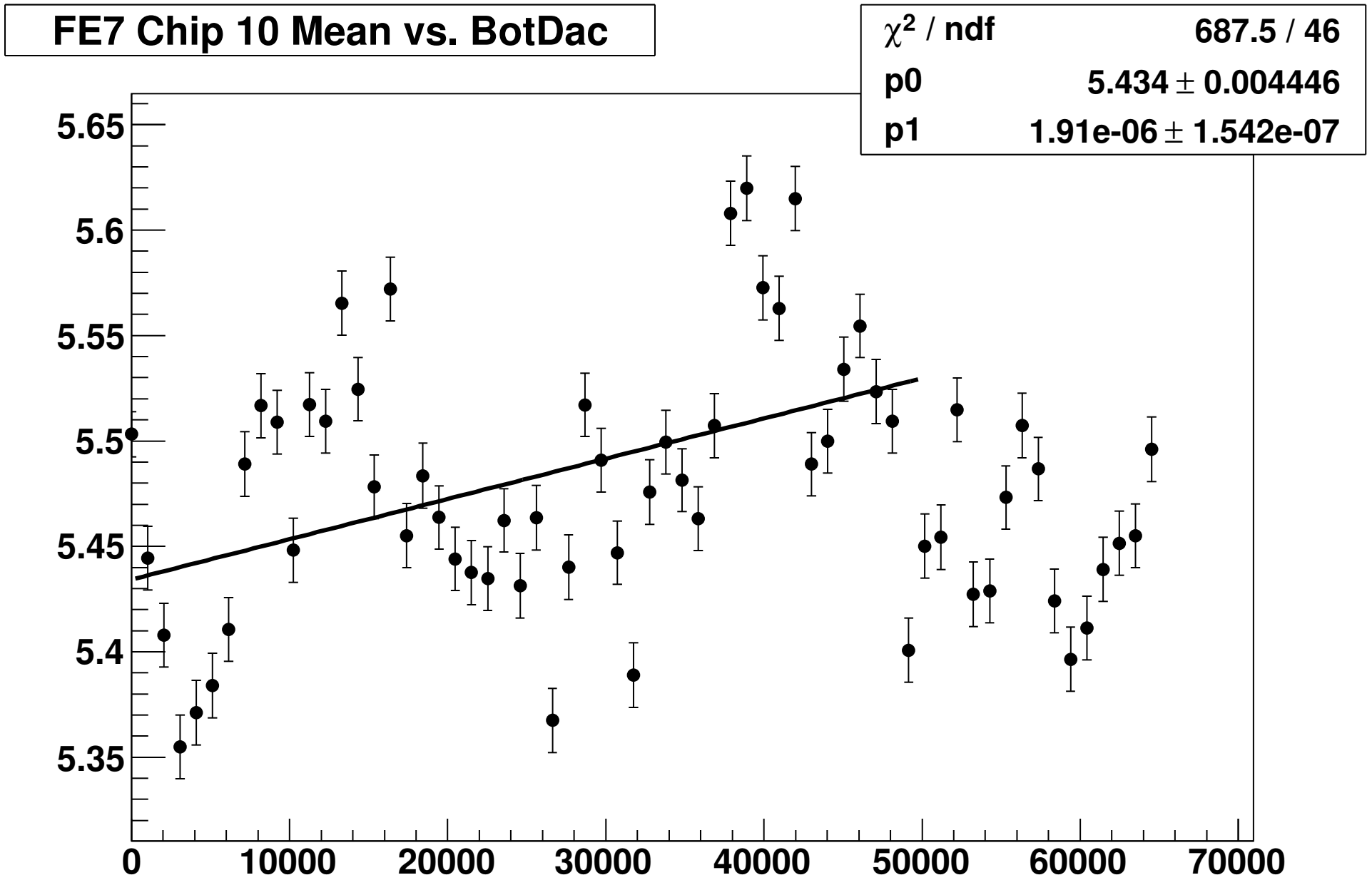

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 923.4 / 46
p0 1.337 ± 0.002556
p1 3.461e-05 ± 1.356e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

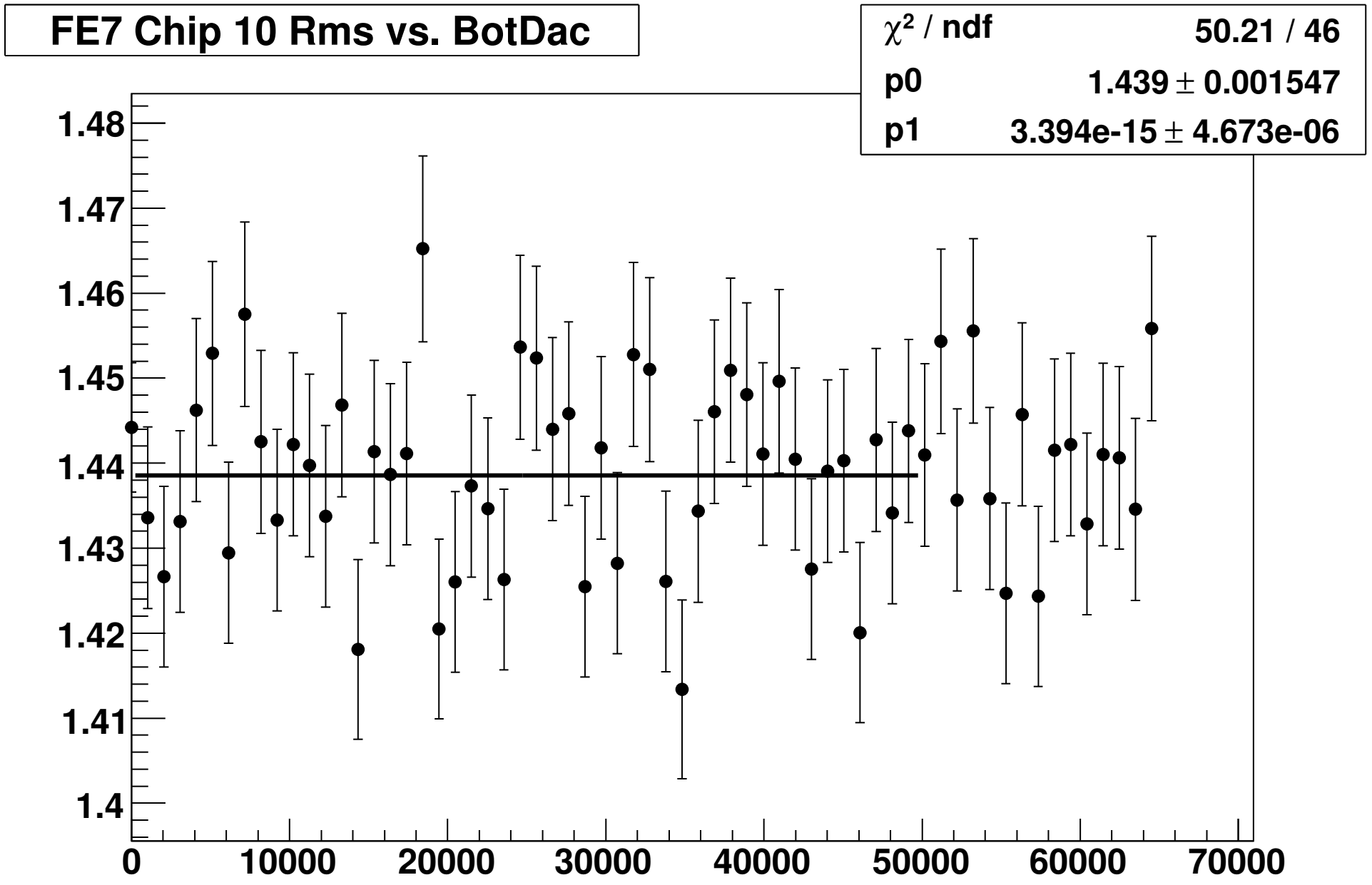

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 660.9 / 46
p0 9.728 ± 0.00448
p1 1.377e-06 ± 1.553e-07
9.9
9.85
9.8
9.75
9.7
9.65
9.6
0
10000
20000
30000
40000
50000
60000
70000

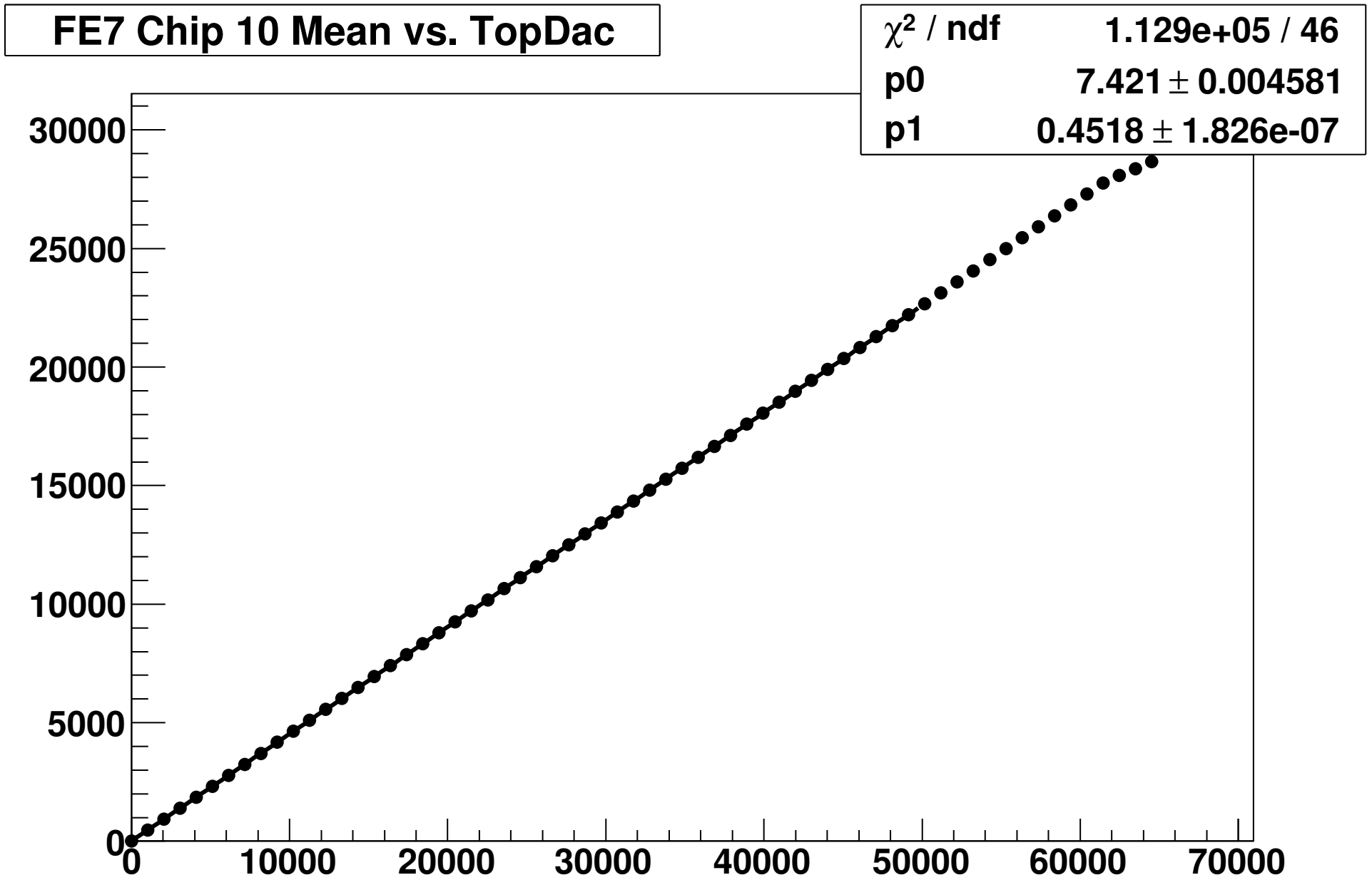

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 63.74 / 46
p0 1.449 ± 0.00156
p1 1.65e-13 ± 2.156e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000
70000

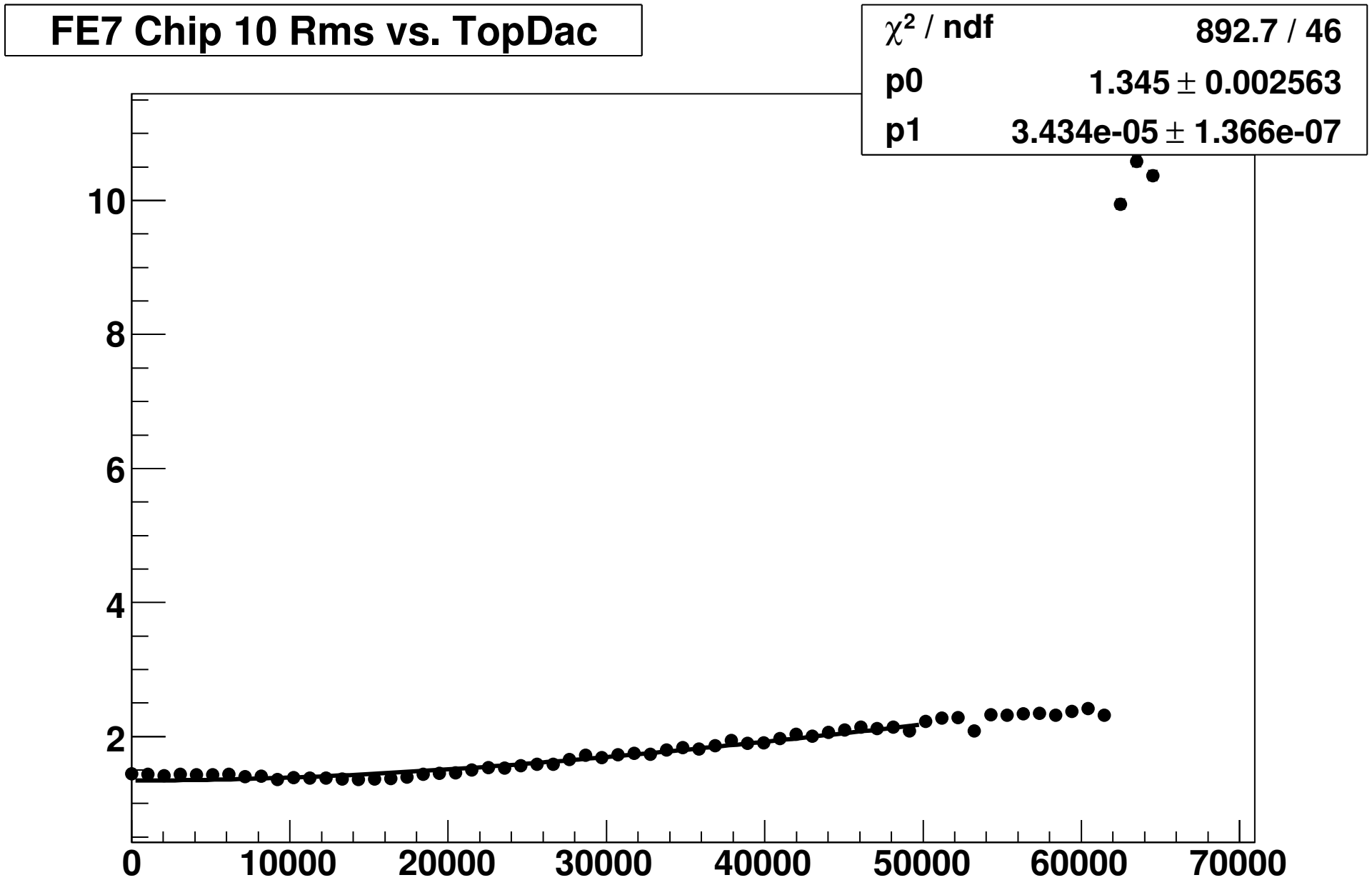

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 9.766e+04 / 46
p0 11.34 ± 0.004617
p1 0.4517 ± 1.838e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

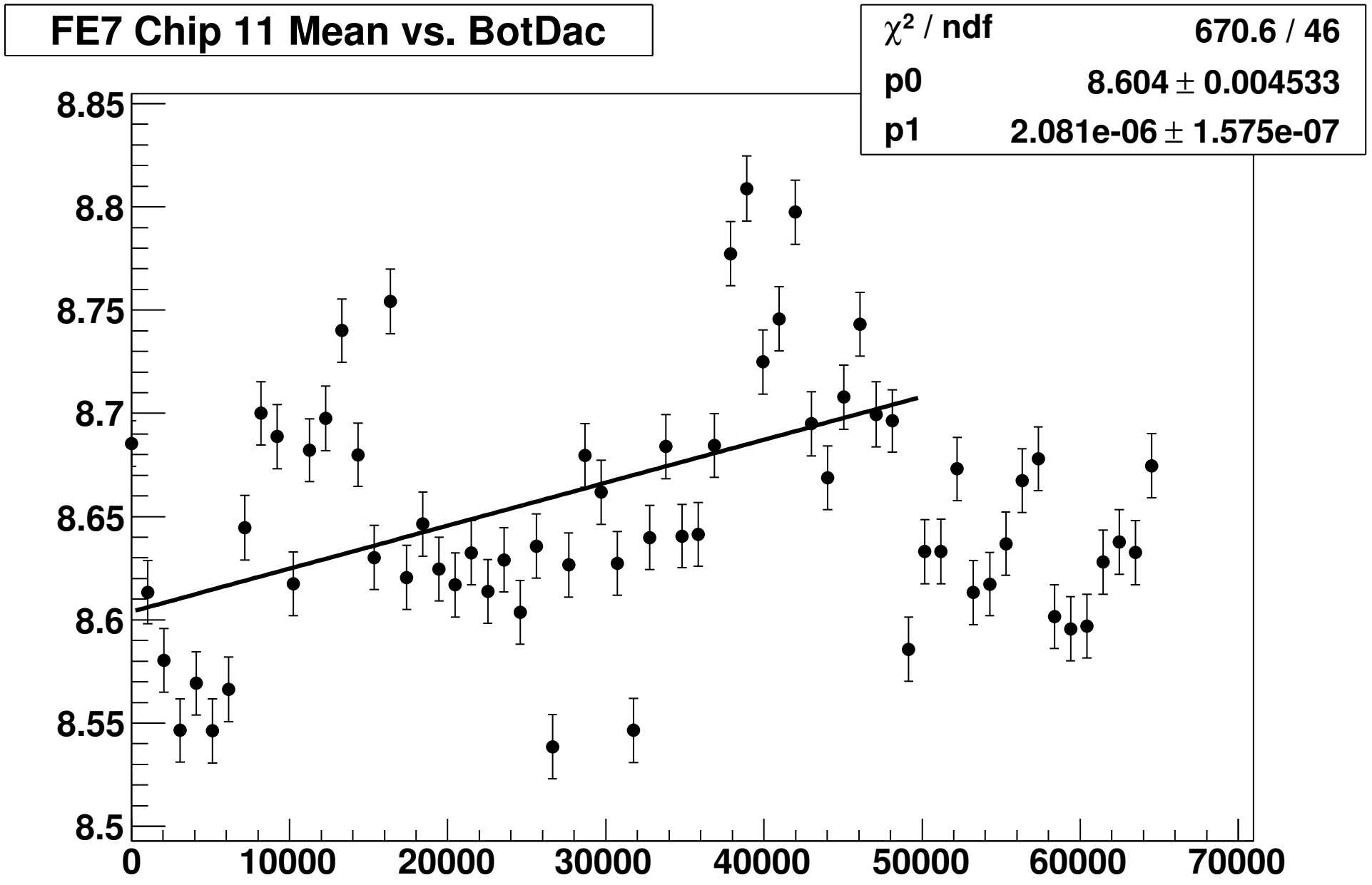

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 976.4 / 46
p0 1.356 ± 0.002582
p1 3.446e-05 ± 1.379e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

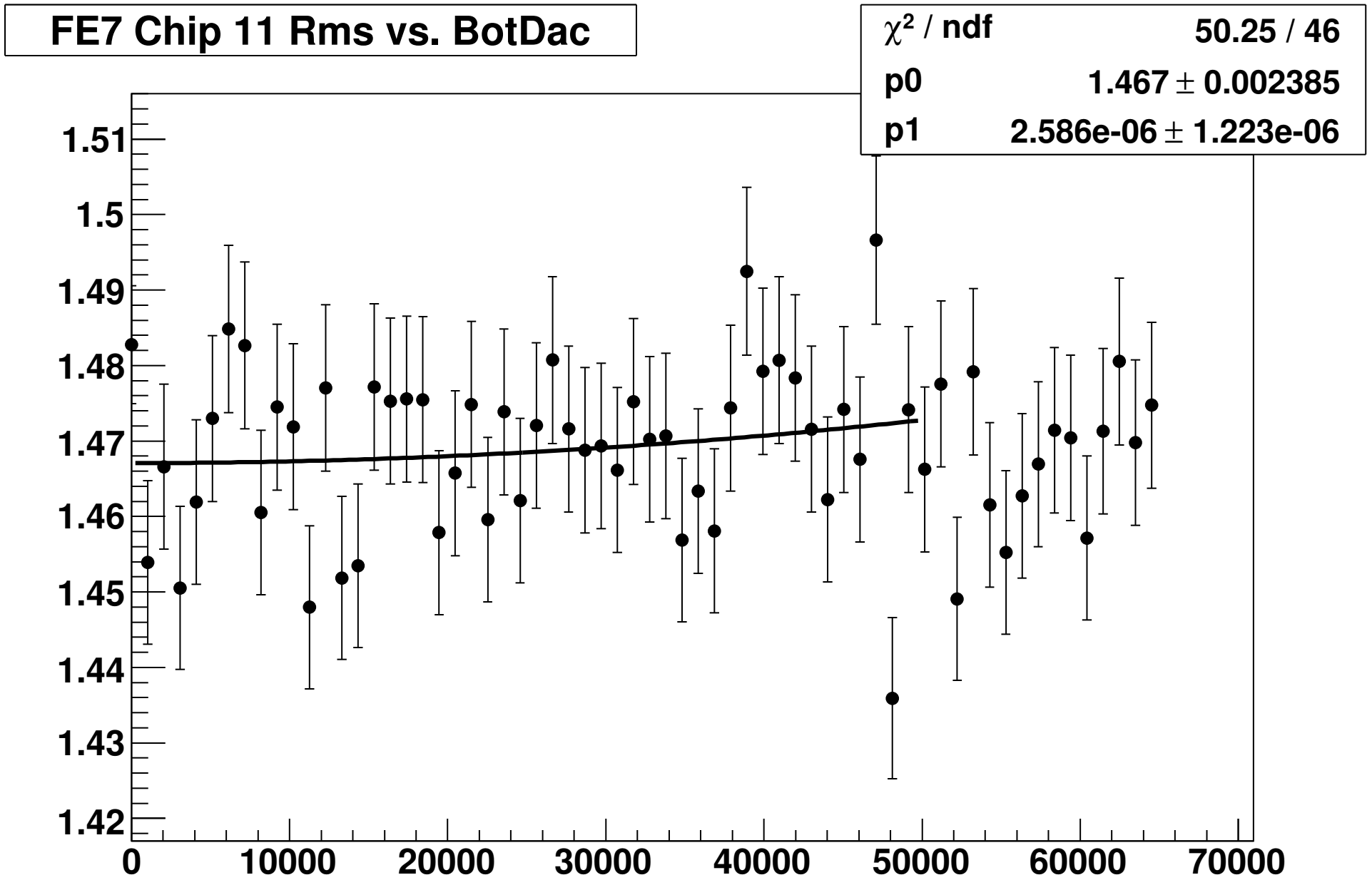

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 687.5 / 46
p0 5.434 ± 0.004446
p1 1.91e-06 ± 1.542e-07
5.65
5.6
5.55
5.5
5.45
5.4
5.35
0
10000
20000
30000
40000
50000
60000
70000

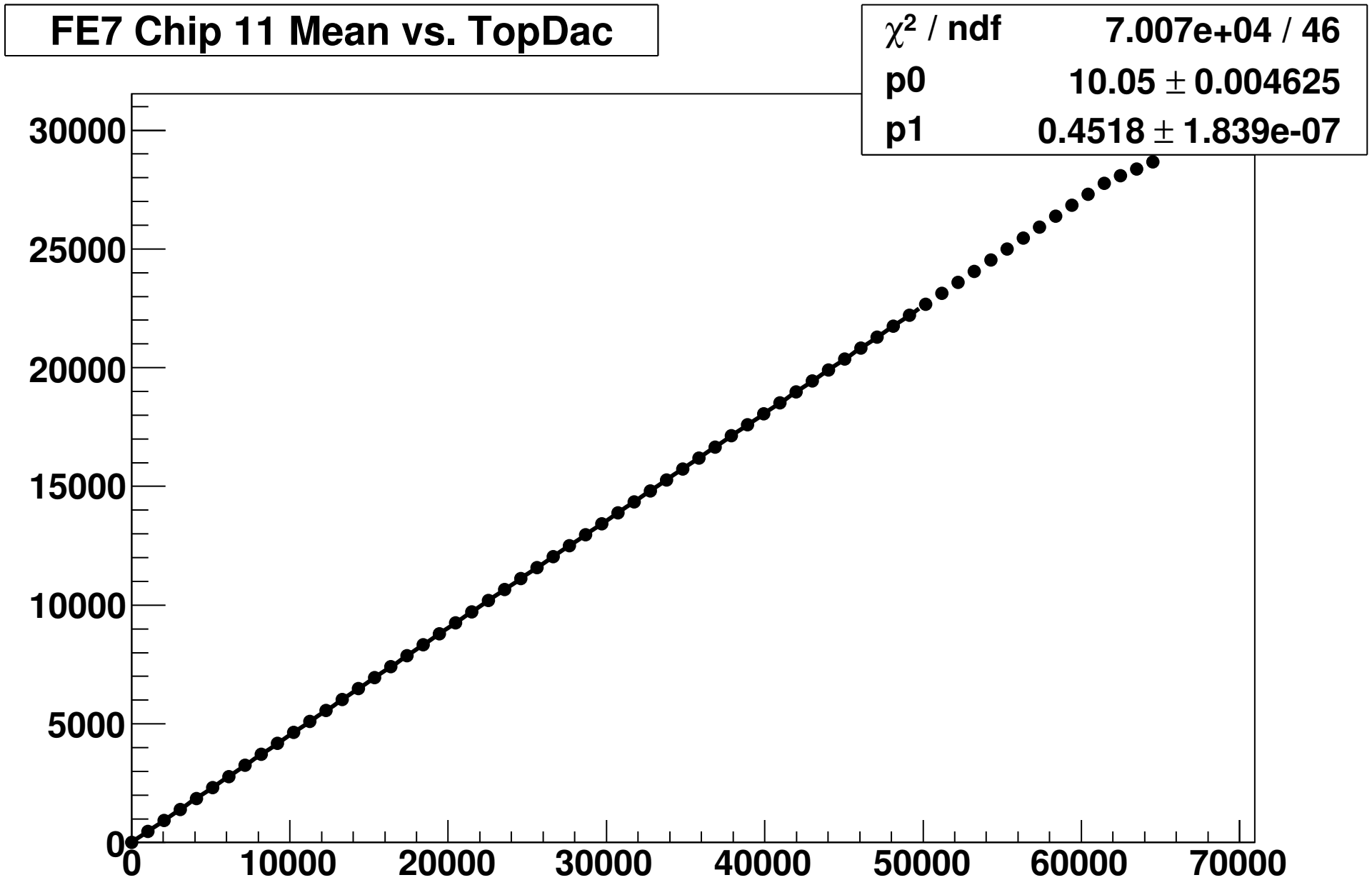

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 50.21 / 46
p0 1.439 ± 0.001547
p1 3.394e-15 ± 4.673e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
20000
30000
40000
50000
60000
70000

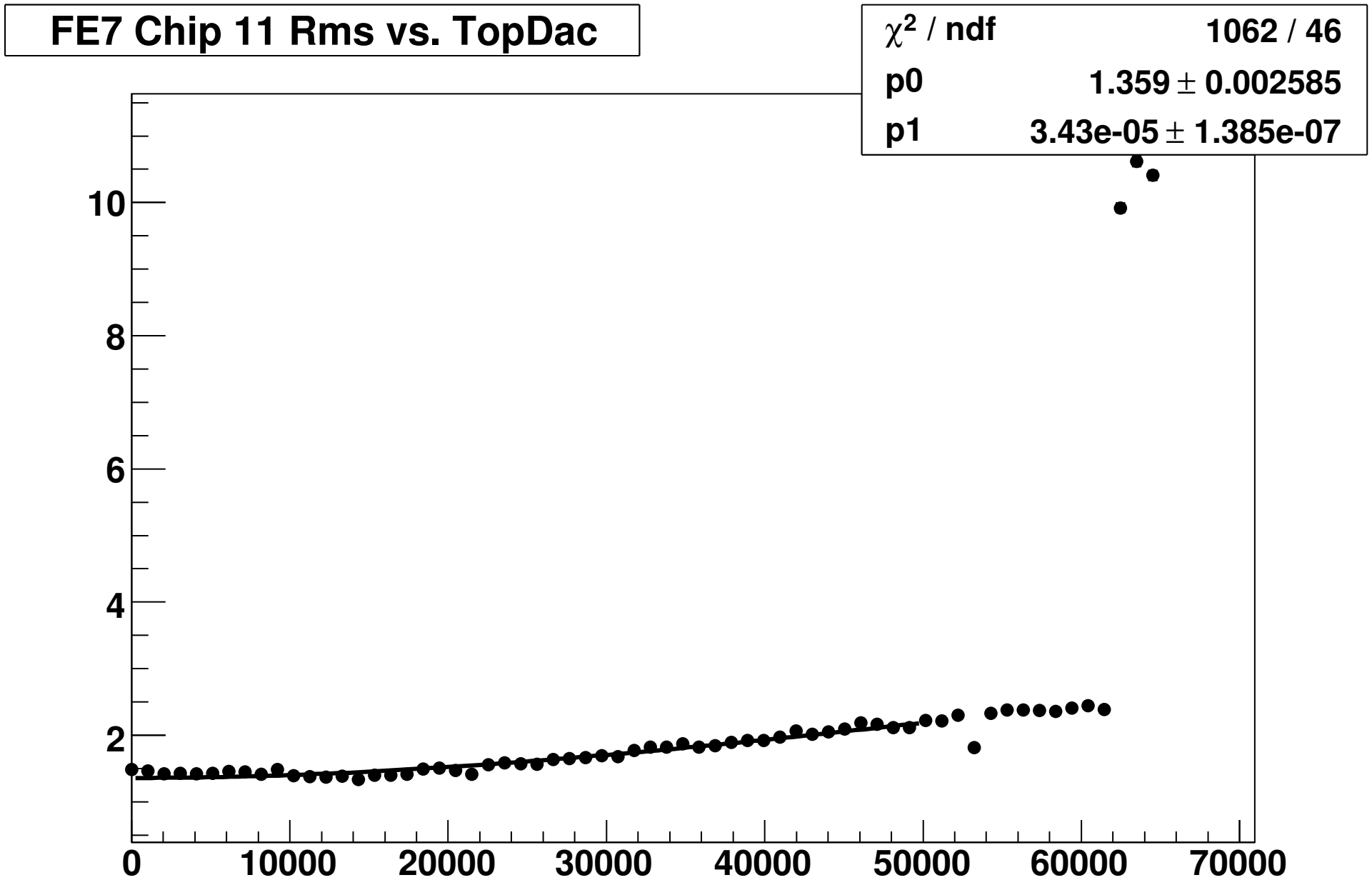

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 1.129e+05 / 46
p0 7.421 ± 0.004581
p1 0.4518 ± 1.826e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

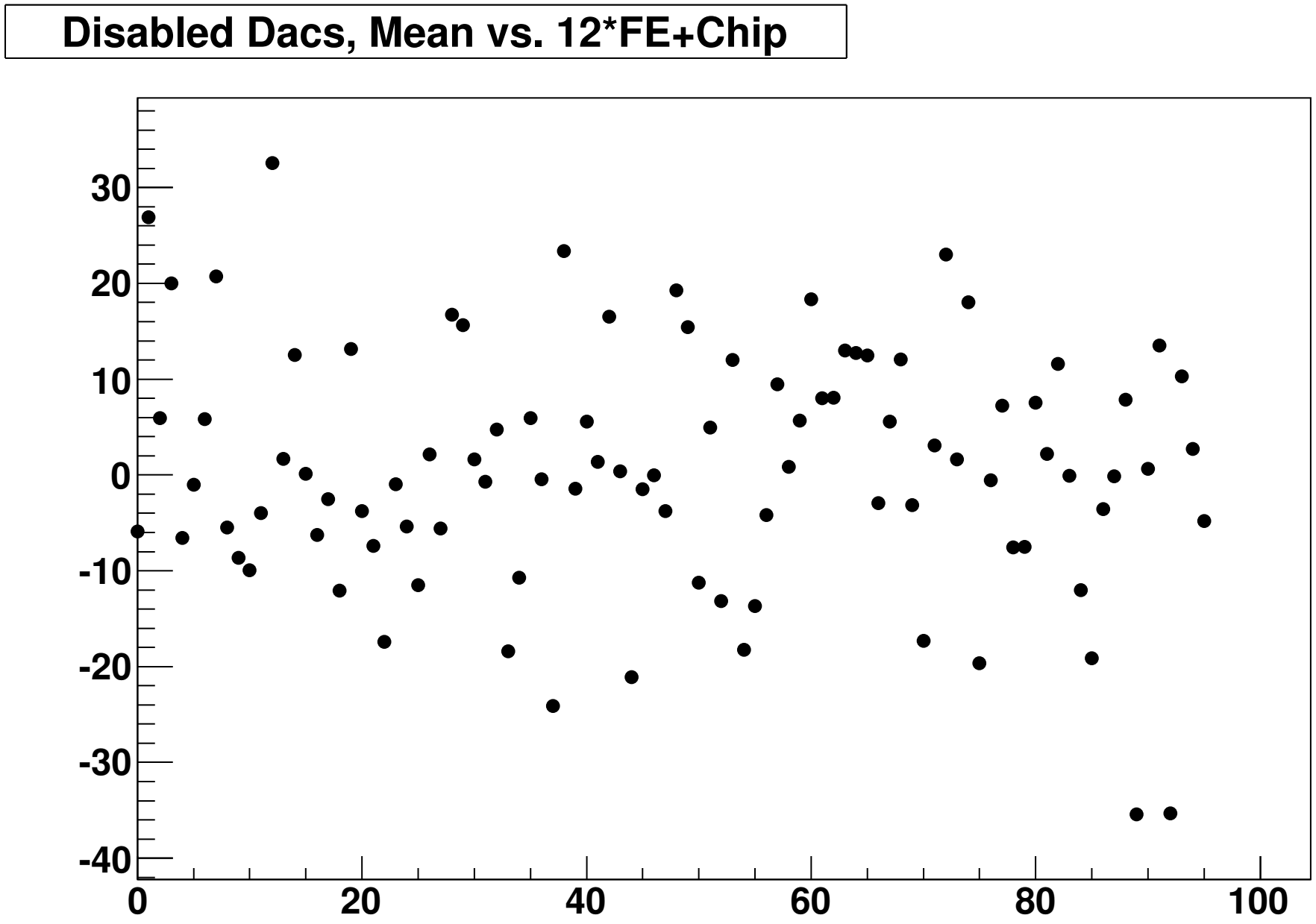

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 892.7 / 46
p0 1.345 ± 0.002563
p1 3.434e-05 ± 1.366e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

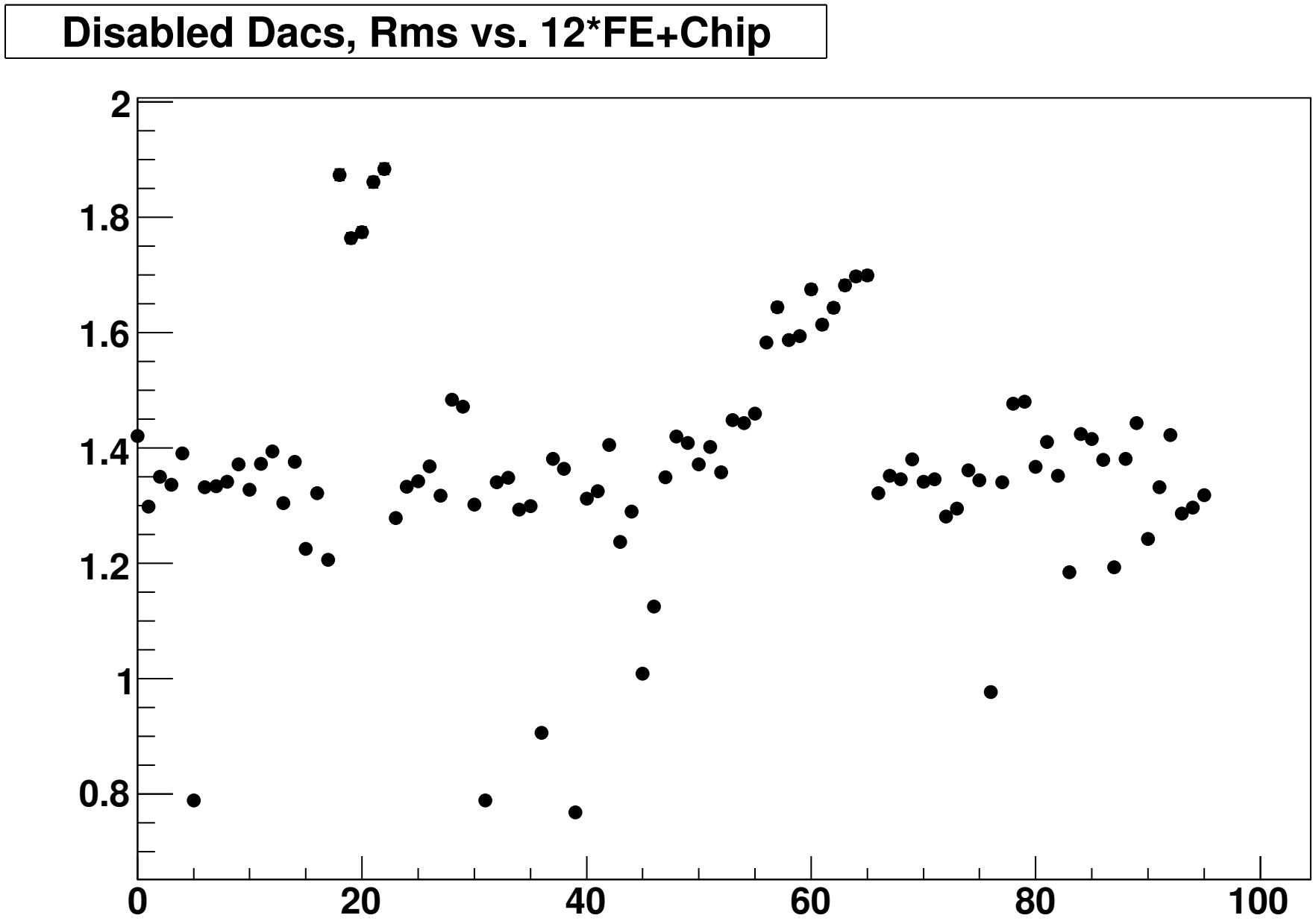

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 670.6 / 46
p0 8.604 ± 0.004533
p1 2.081e-06 ± 1.575e-07
8.85
8.8
8.75
8.7
8.65
8.6
8.55
8.5
0
10000
20000
30000
40000
50000
60000
70000

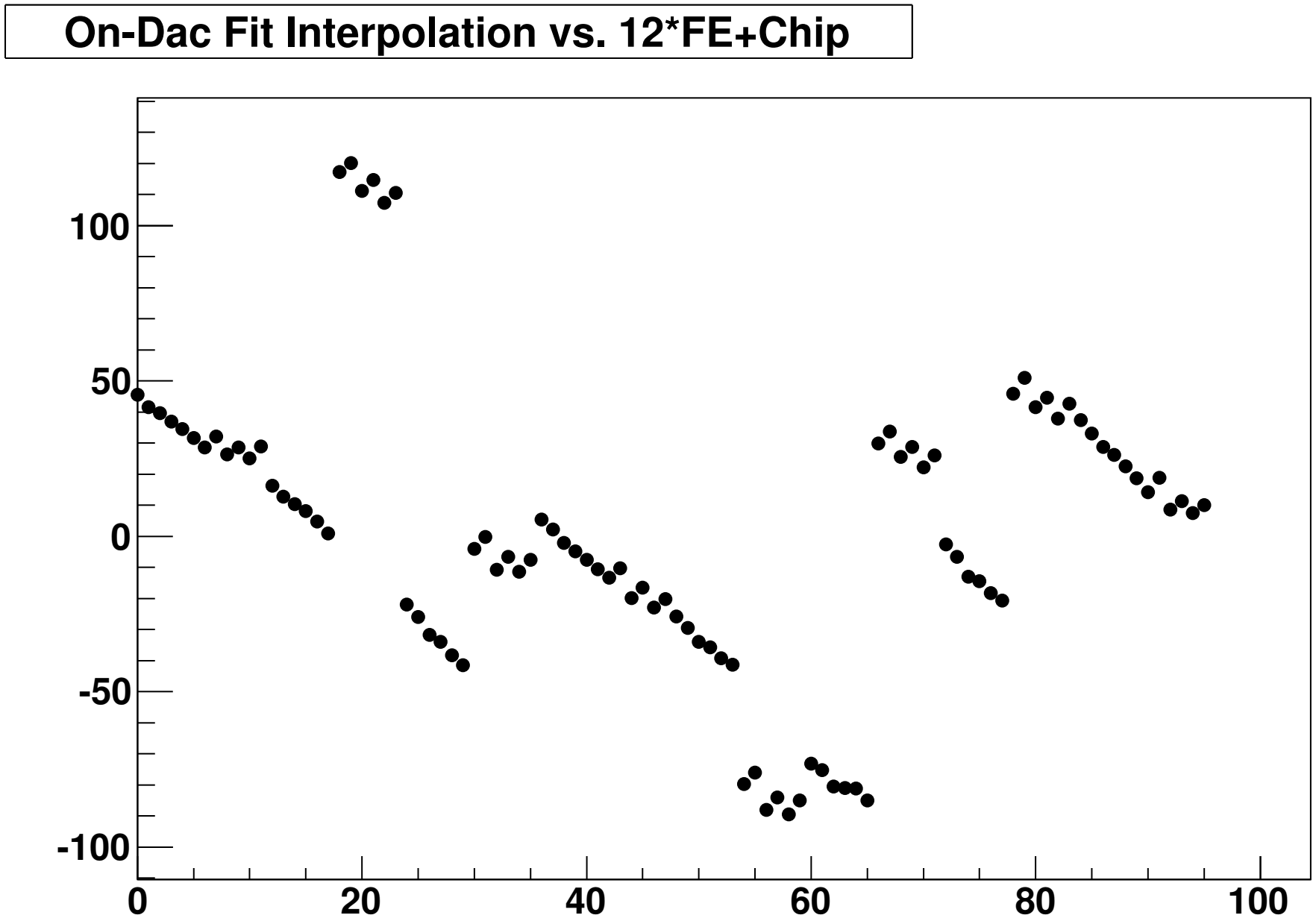

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 50.25 / 46
p0 1.467 ± 0.002385
p1 2.586e-06 ± 1.223e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000
70000

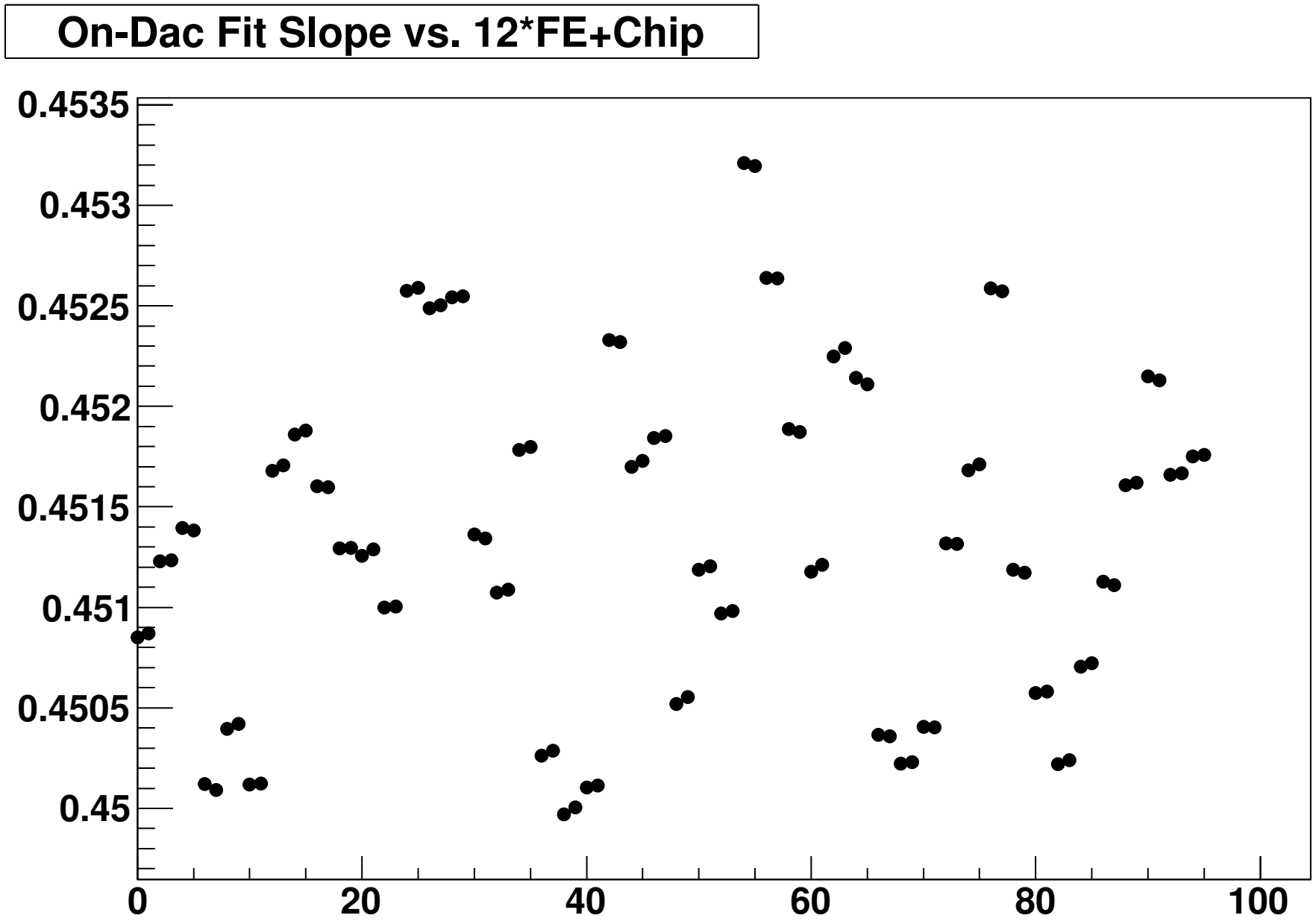

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 7.007e+04 / 46
p0 10.05 ± 0.004625
p1 0.4518 ± 1.839e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000
70000

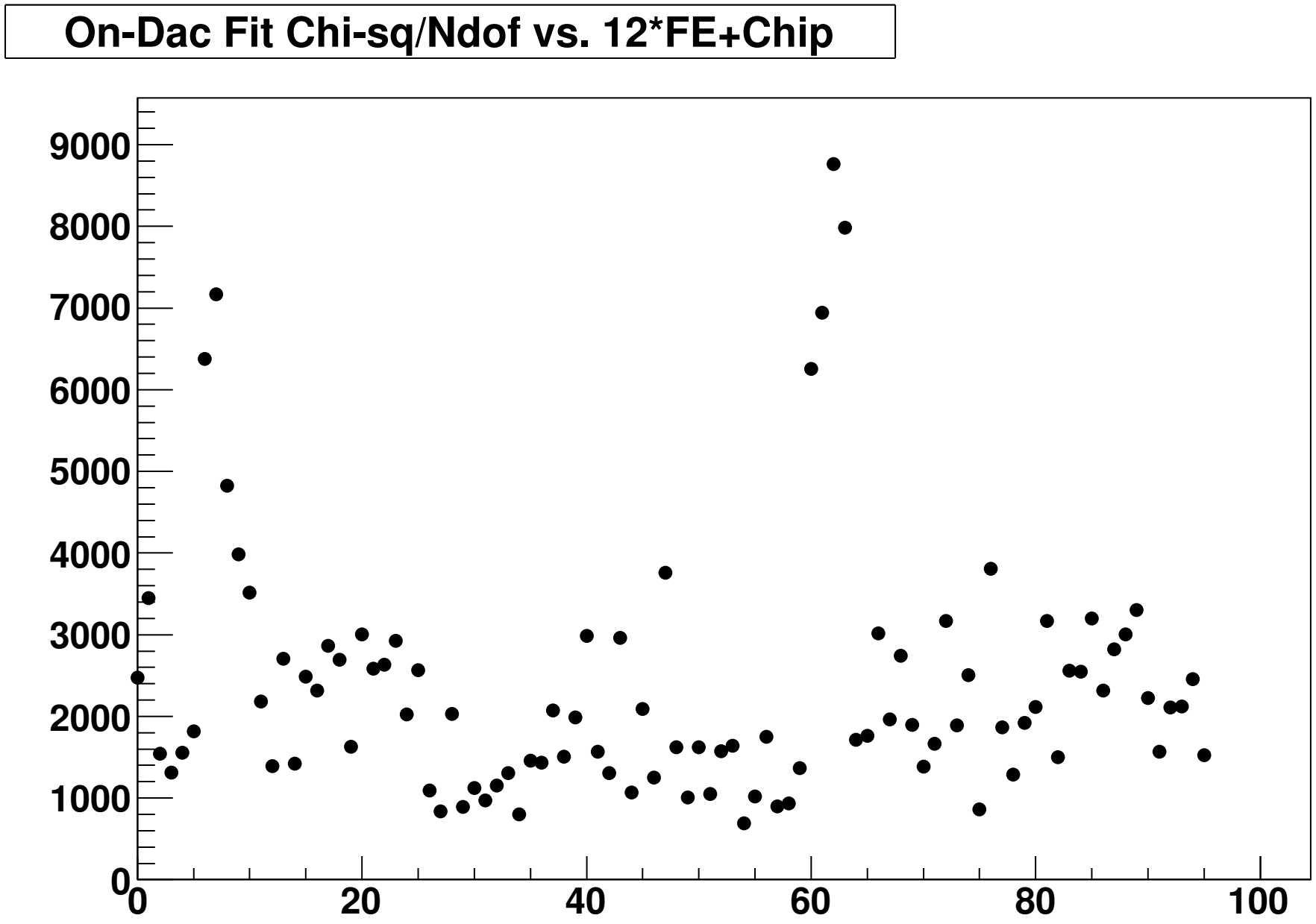

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 1062 / 46
p0 1.359 ± 0.002585
p1 3.43e-05 ± 1.385e-07
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000
70000

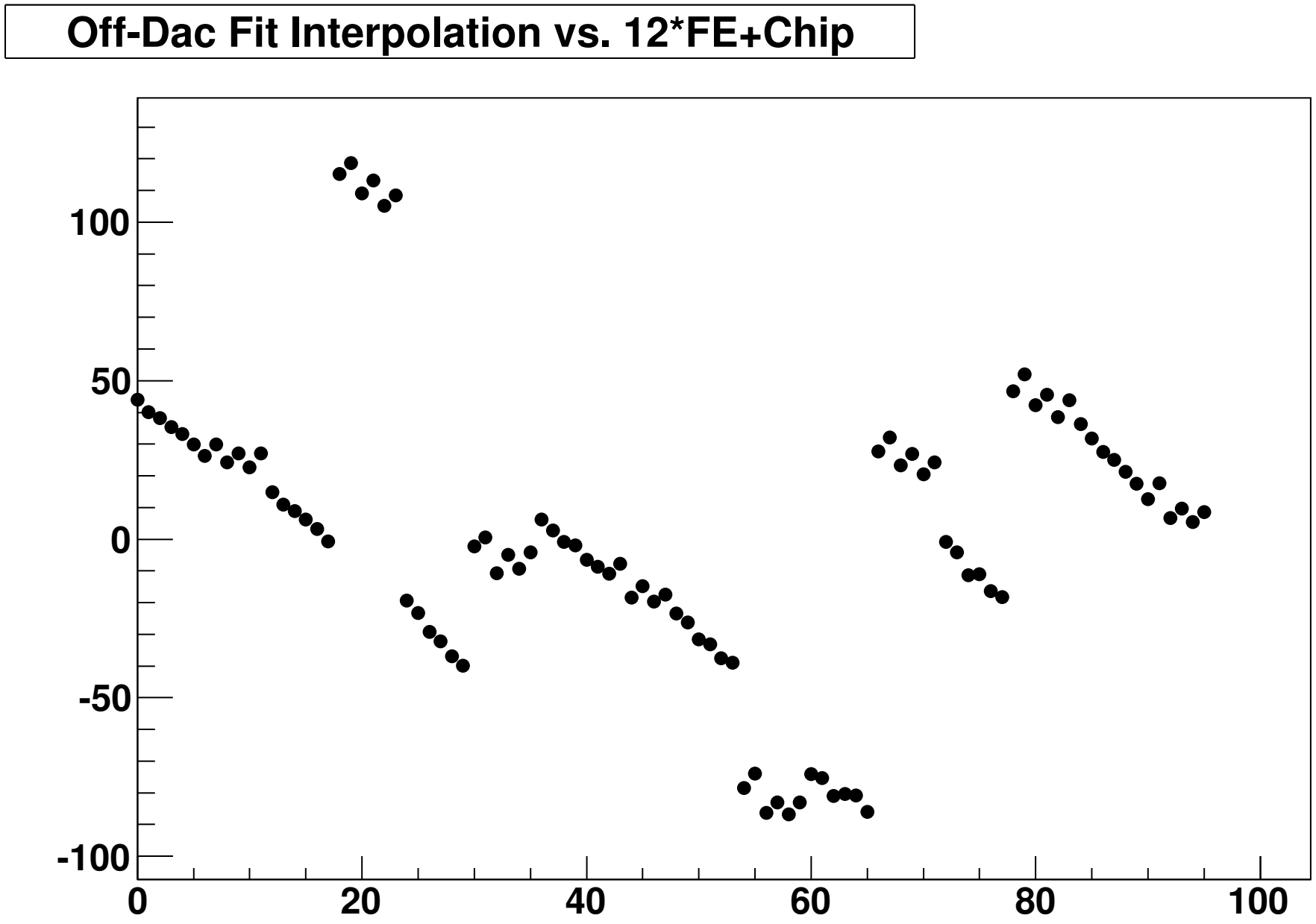

Disabled Dacs, Mean vs. 12*FE+Chip
30
20
10
0
-10
-20
-30
-40
0
20
40
60
80
100

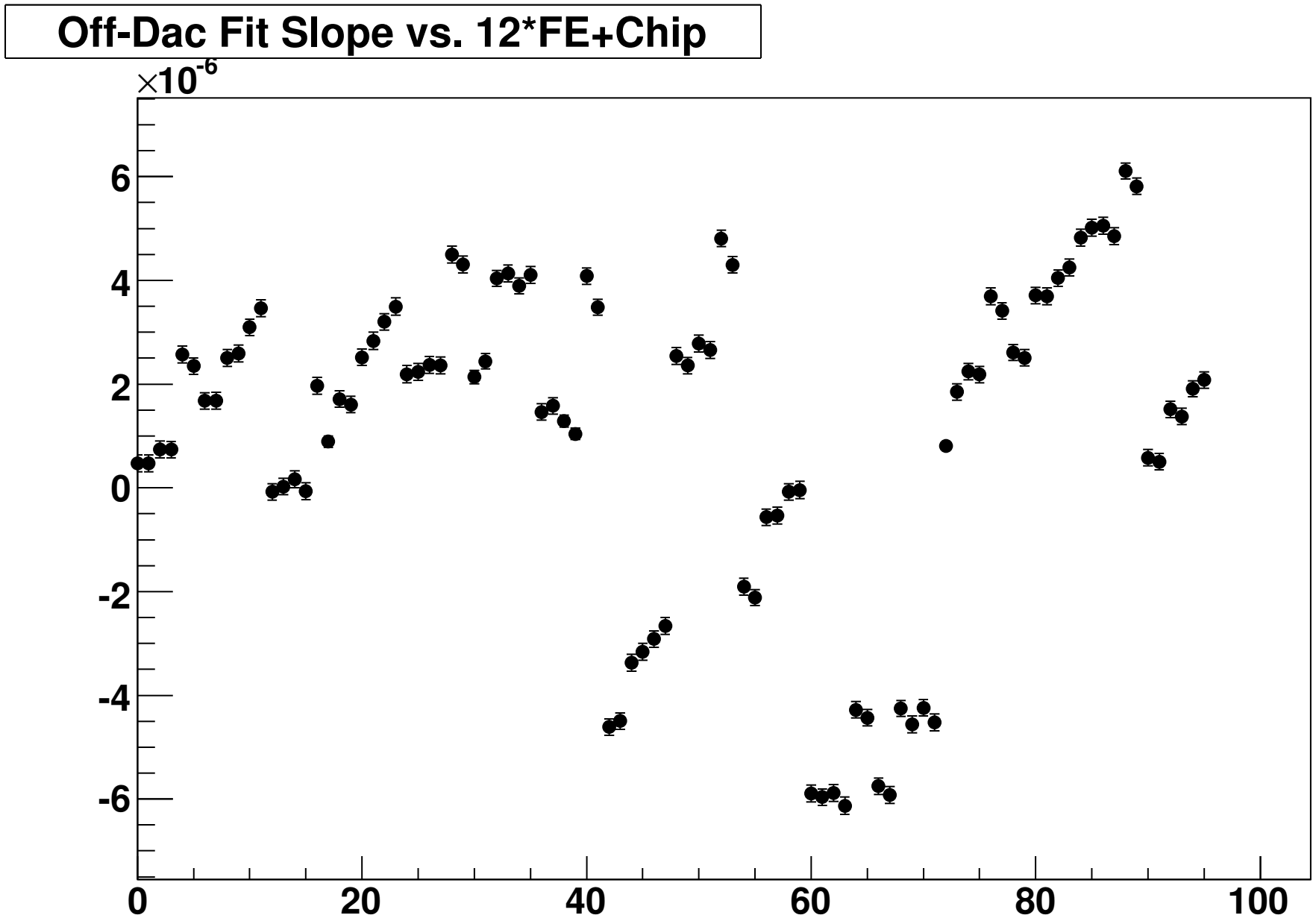

Disabled Dacs, Rms vs. 12*FE+Chip
2
1.8
1.6
1.4
1.2
1
0.8
0
20
40
60
80
100

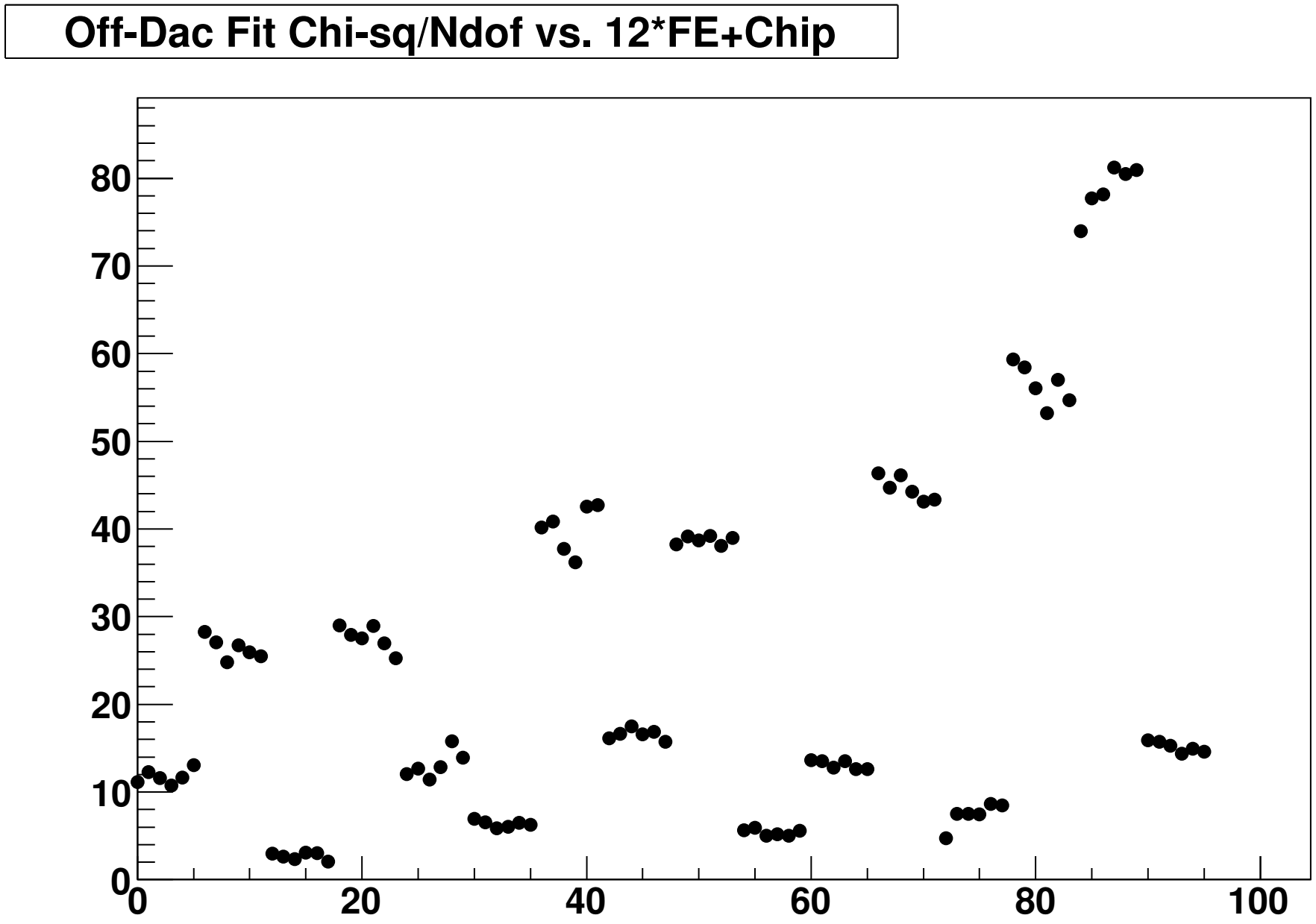

On-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

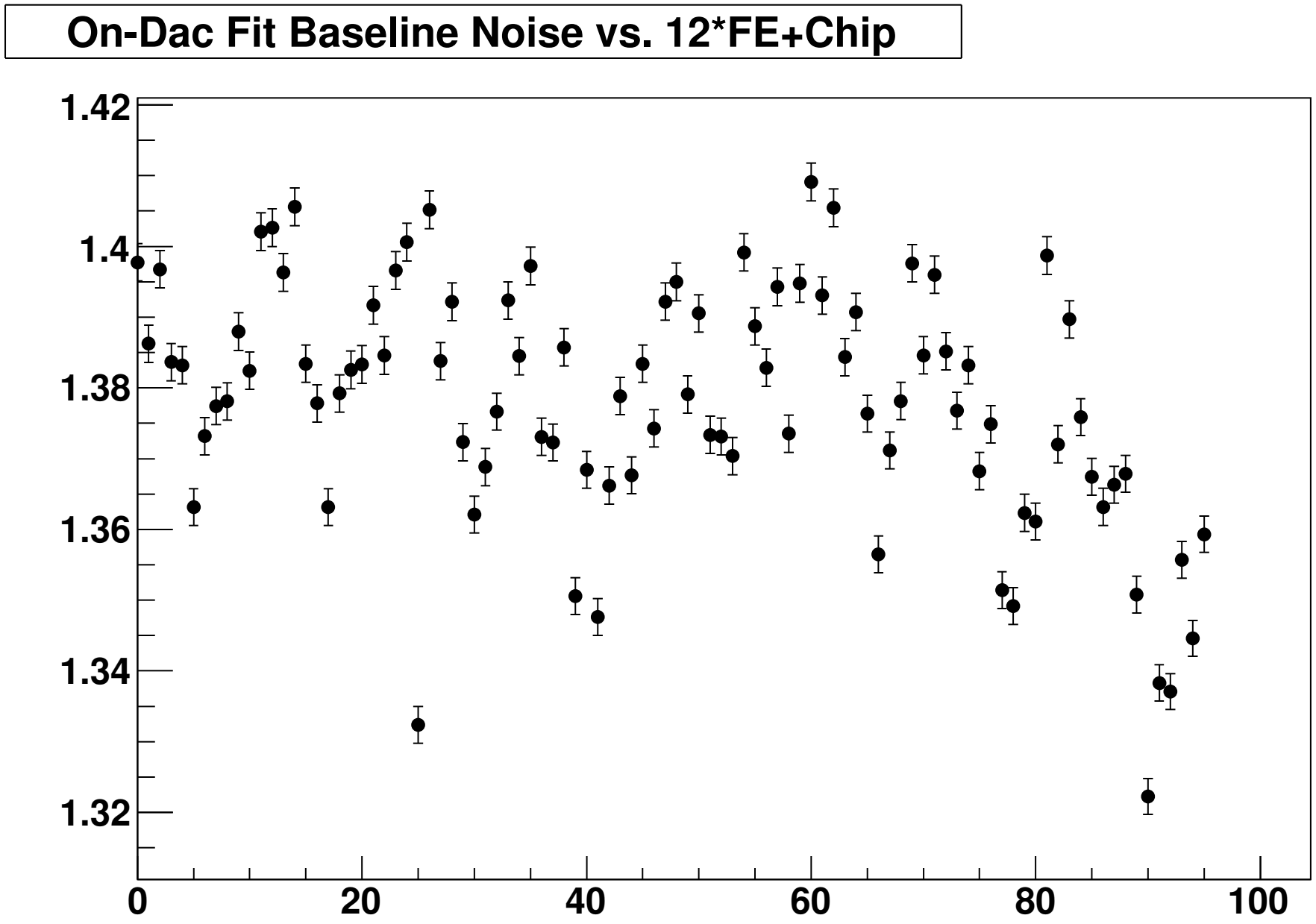

On-Dac Fit Slope vs. 12*FE+Chip
0.4535
0.453
0.4525
0.452
0.4515
0.451
0.4505
0.45
0
20
40
60
80
100

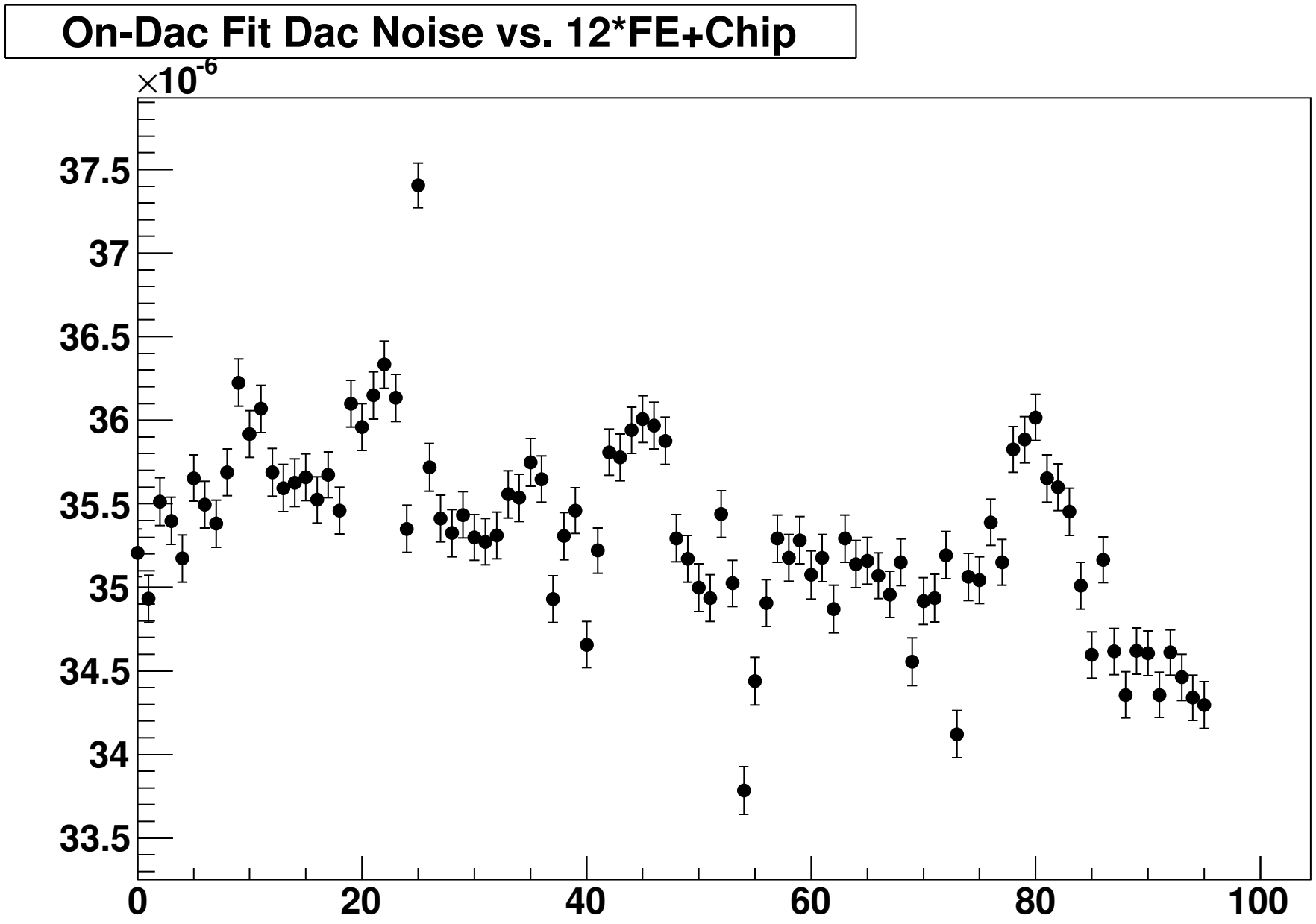

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

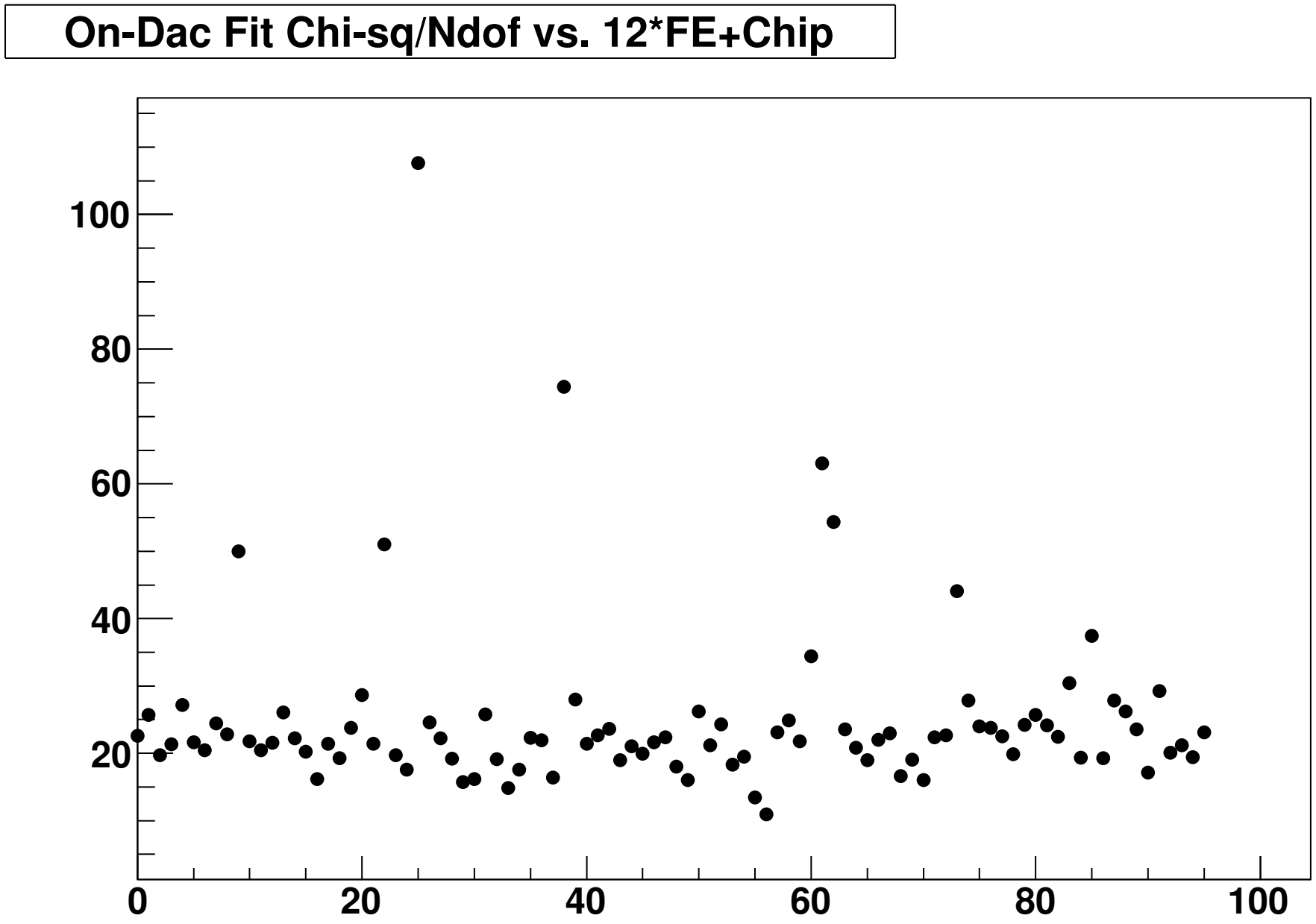

Off-Dac Fit Interpolation vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100

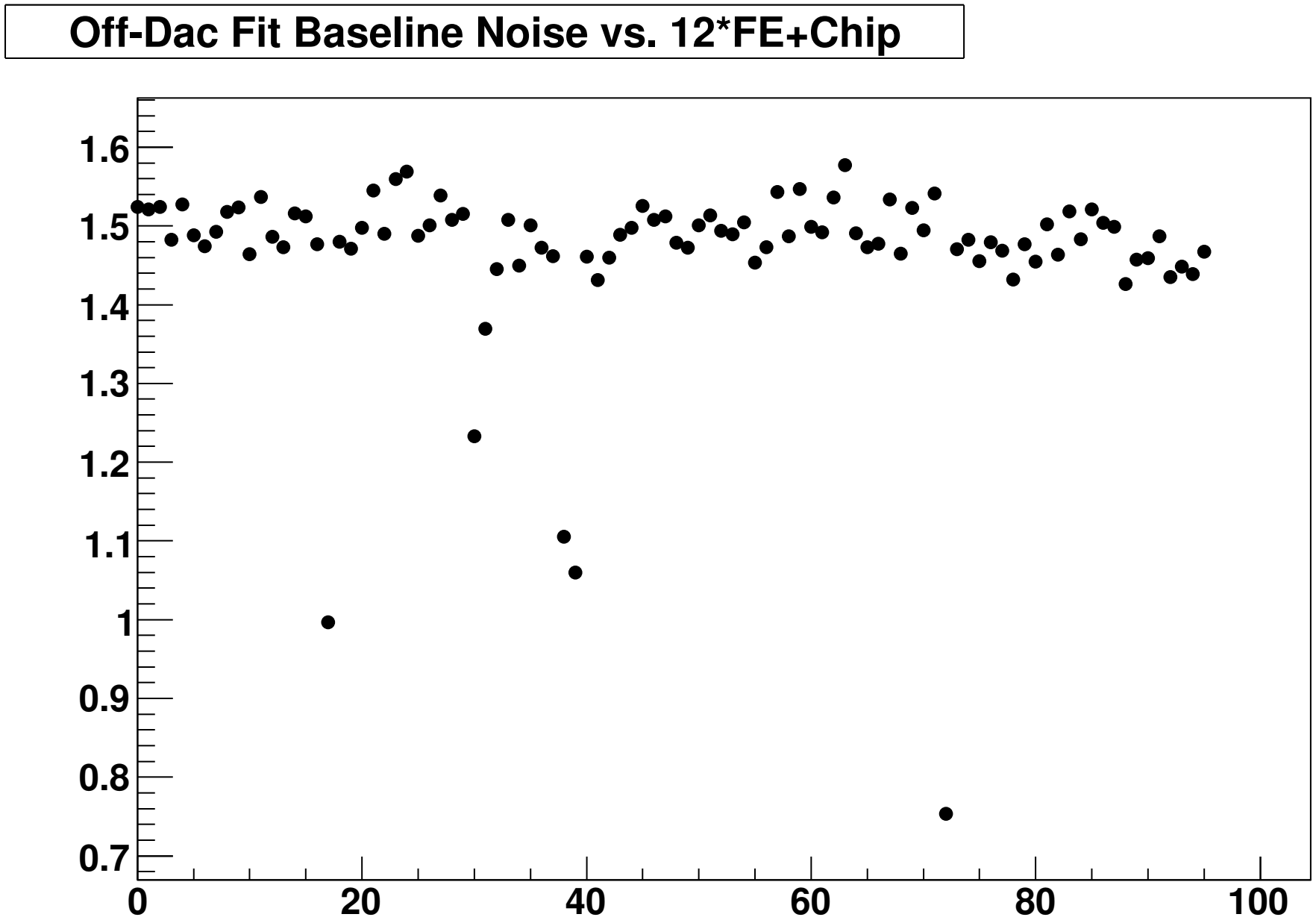

Off-Dac Fit Slope vs. 12*FE+Chip
×10^-6
6
4
2
0
-2
-4
-6
0
20
40
60
80
100

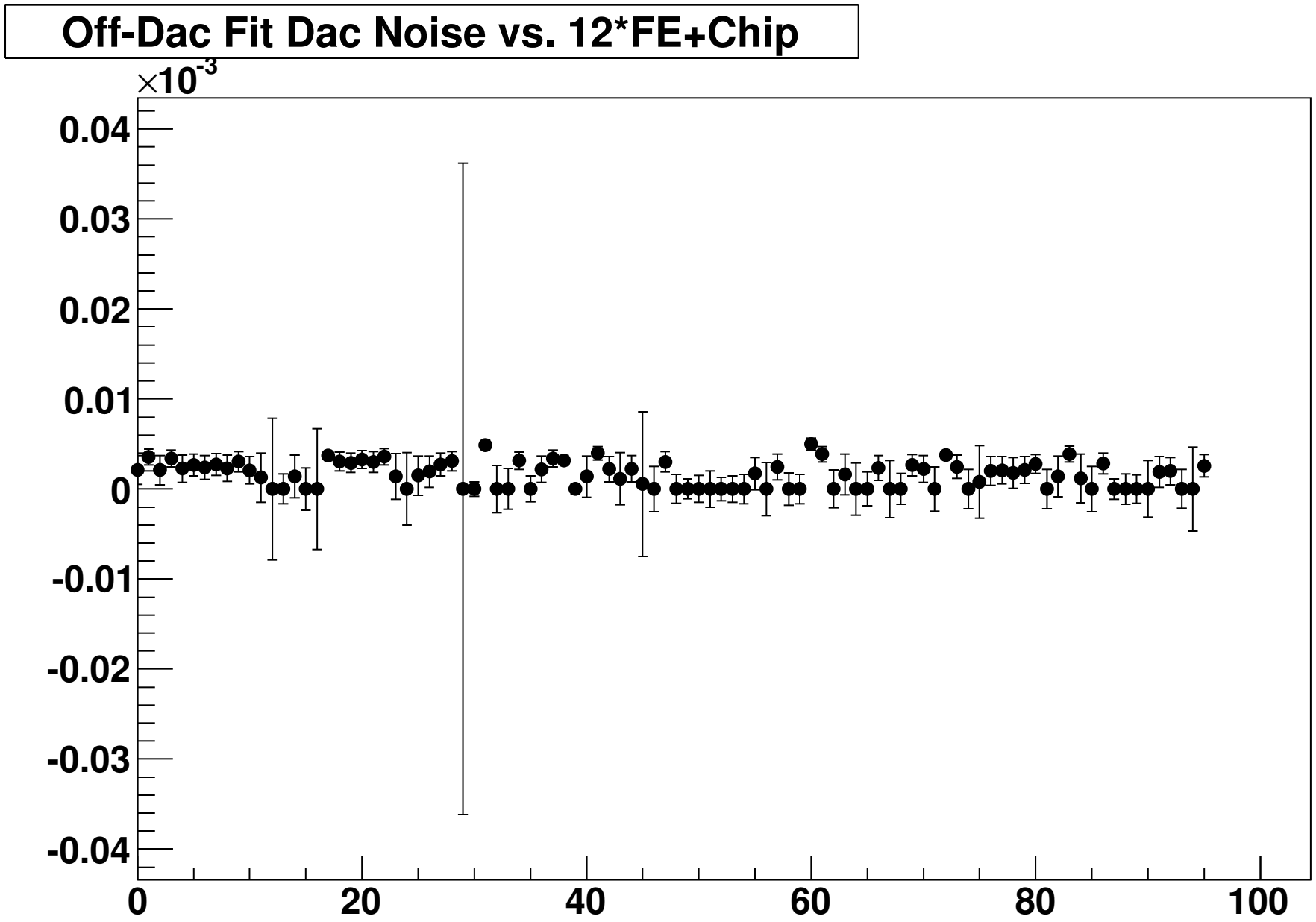

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0
10
20
30
40
50
60
70
80
0
20
40
60
80
100

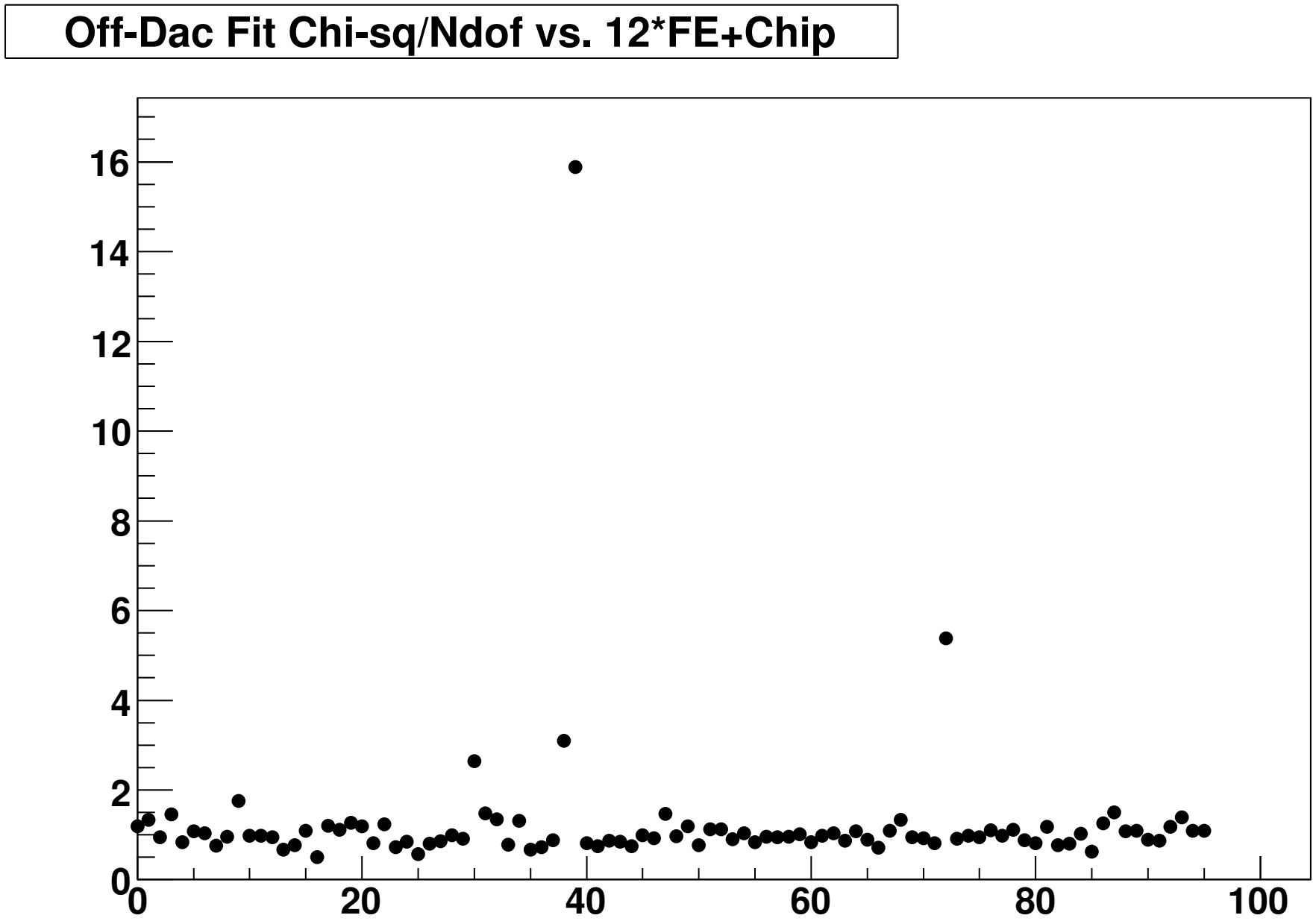

On-Dac Fit Baseline Noise vs. 12*FE+Chip
1.42
1.4
1.38
1.36
1.34
1.32
0
20
40
60
80
100

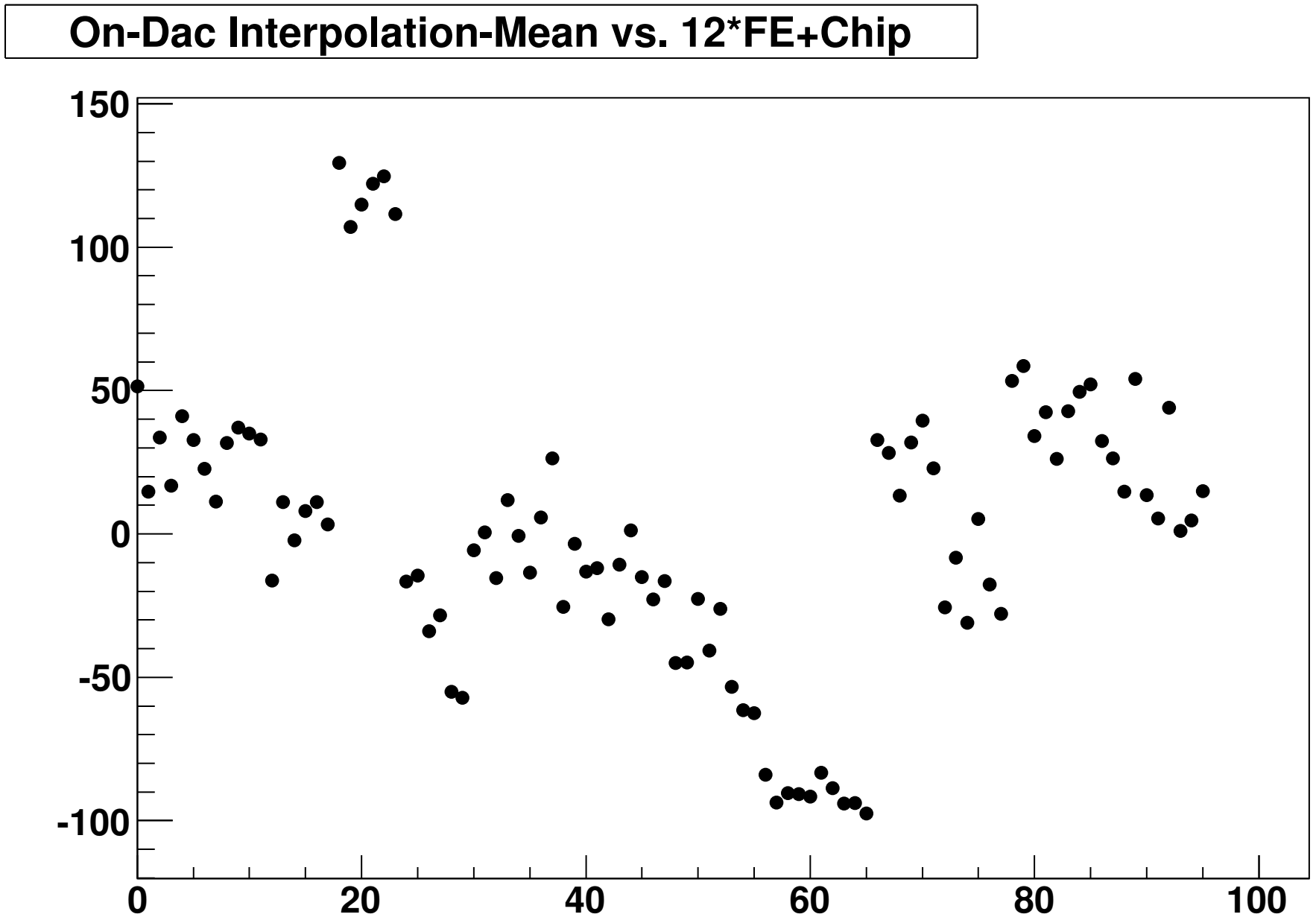

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-6
37.5
37
36.5
36
35.5
35
34.5
34
33.5
0
20
40
60
80
100

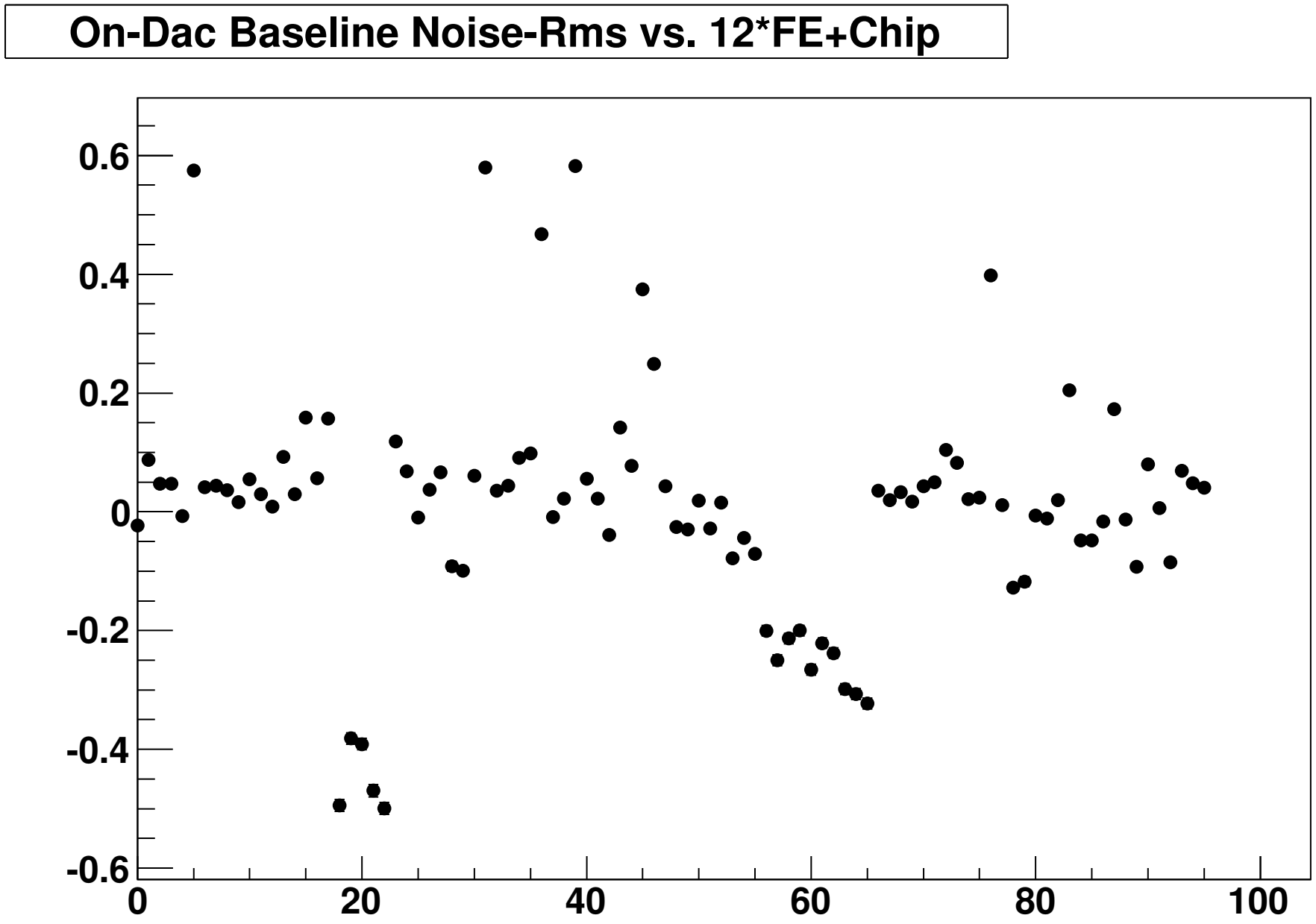

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
100
80
60
40
20
0
20
40
60
80
100

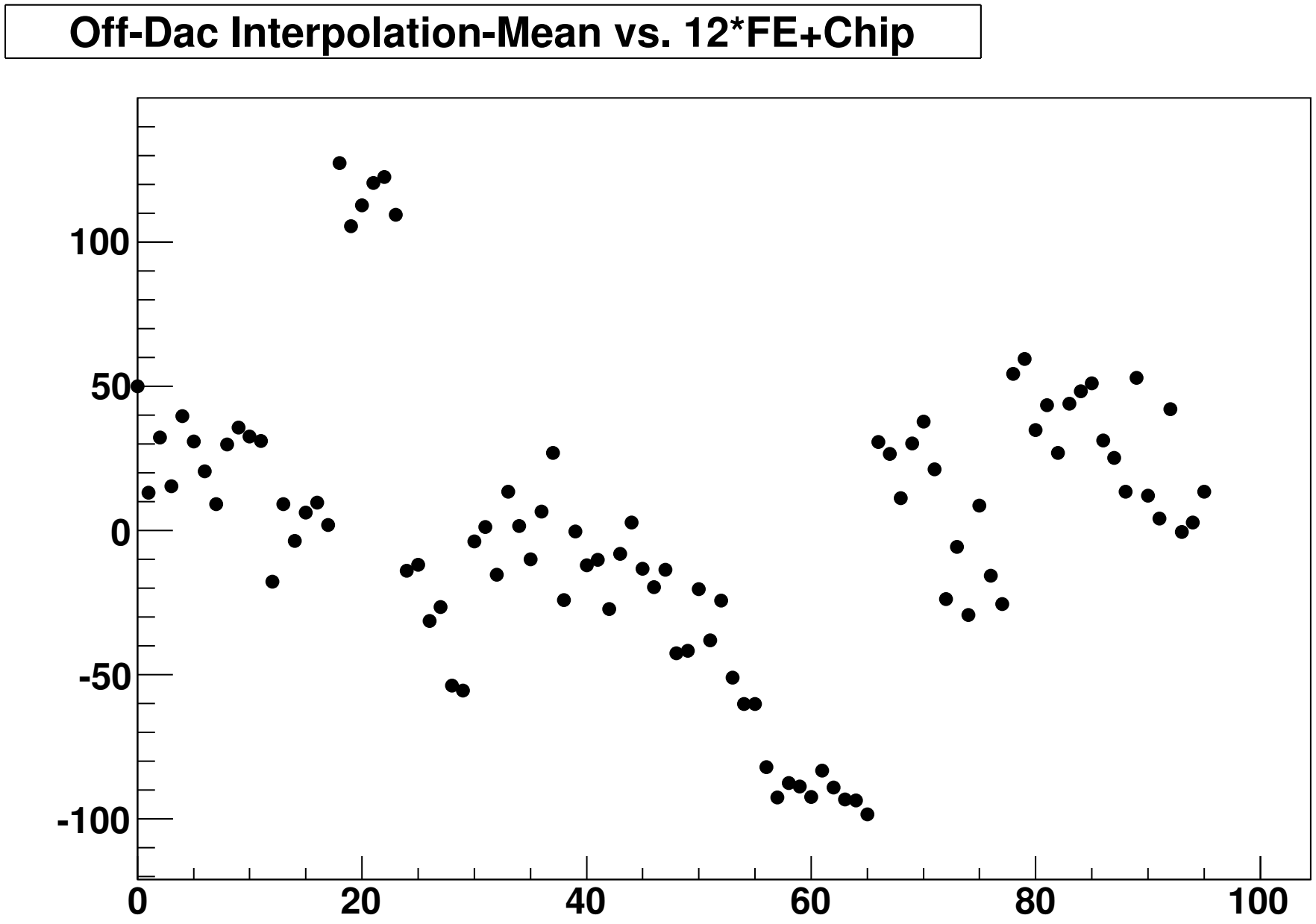

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0
20
40
60
80
100

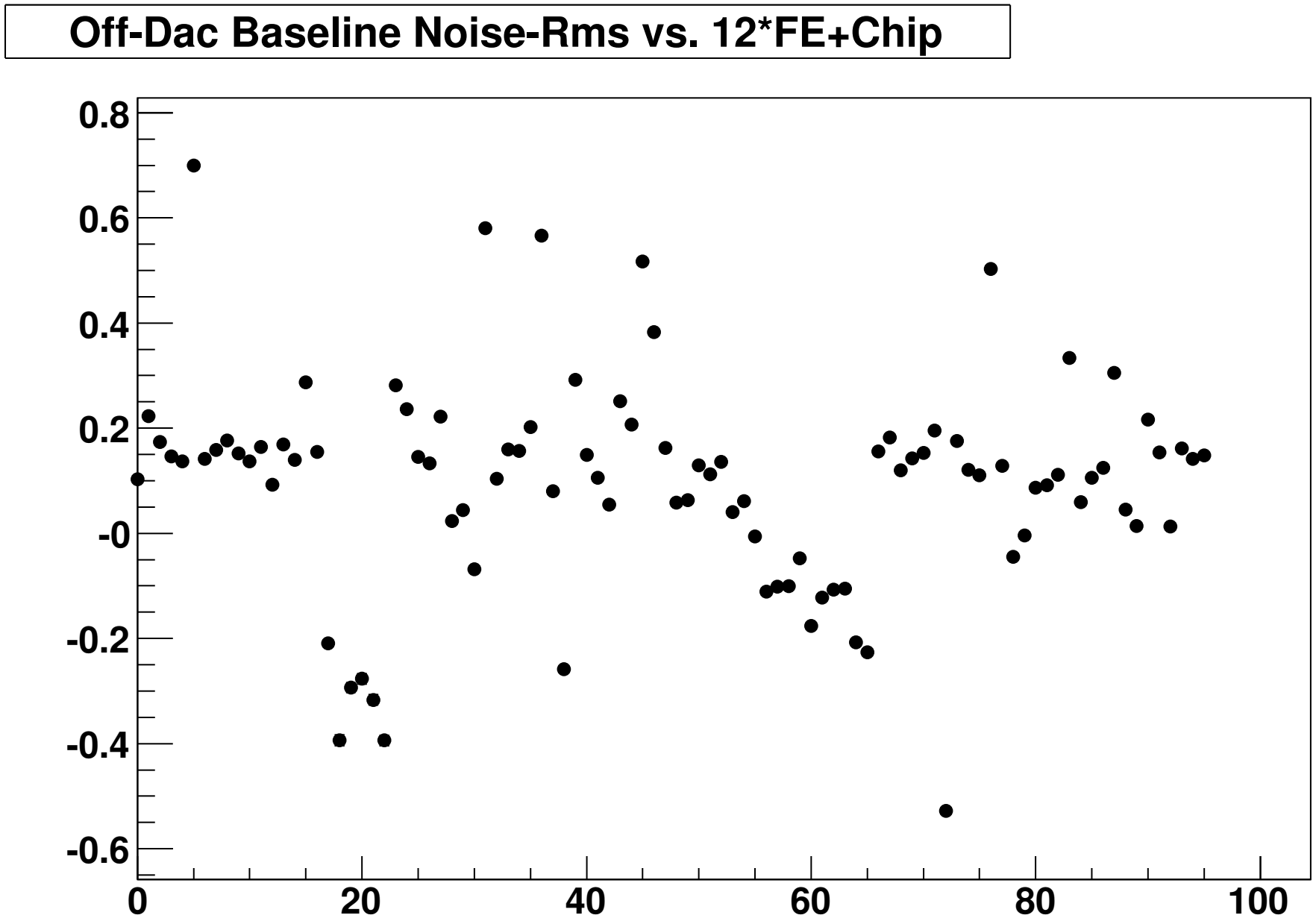

Off-Dac Fit Dac Noise vs. 12*FE+Chip
×10-3
0.04
0.03
0.02
0.01
0
-0.01
-0.02
-0.03
-0.04
0
20
40
60
80
100


Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
16
14
12
10
8
6
4
2
0
0
20
40
60
80
100


On-Dac Interpolation-Mean vs. 12*FE+Chip
150
100
50
0
-50
-100
0
20
40
60
80
100


On-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
0
20
40
60
80
100


Off-Dac Interpolation-Mean vs. 12*FE+Chip
100
50
0
-50
-100
0
20
40
60
80
100


Off-Dac Baseline Noise-Rms vs. 12*FE+Chip
0.8
0.6
0.4
0.2
-0
-0.2
-0.4
-0.6
0
20
40
60
80
100