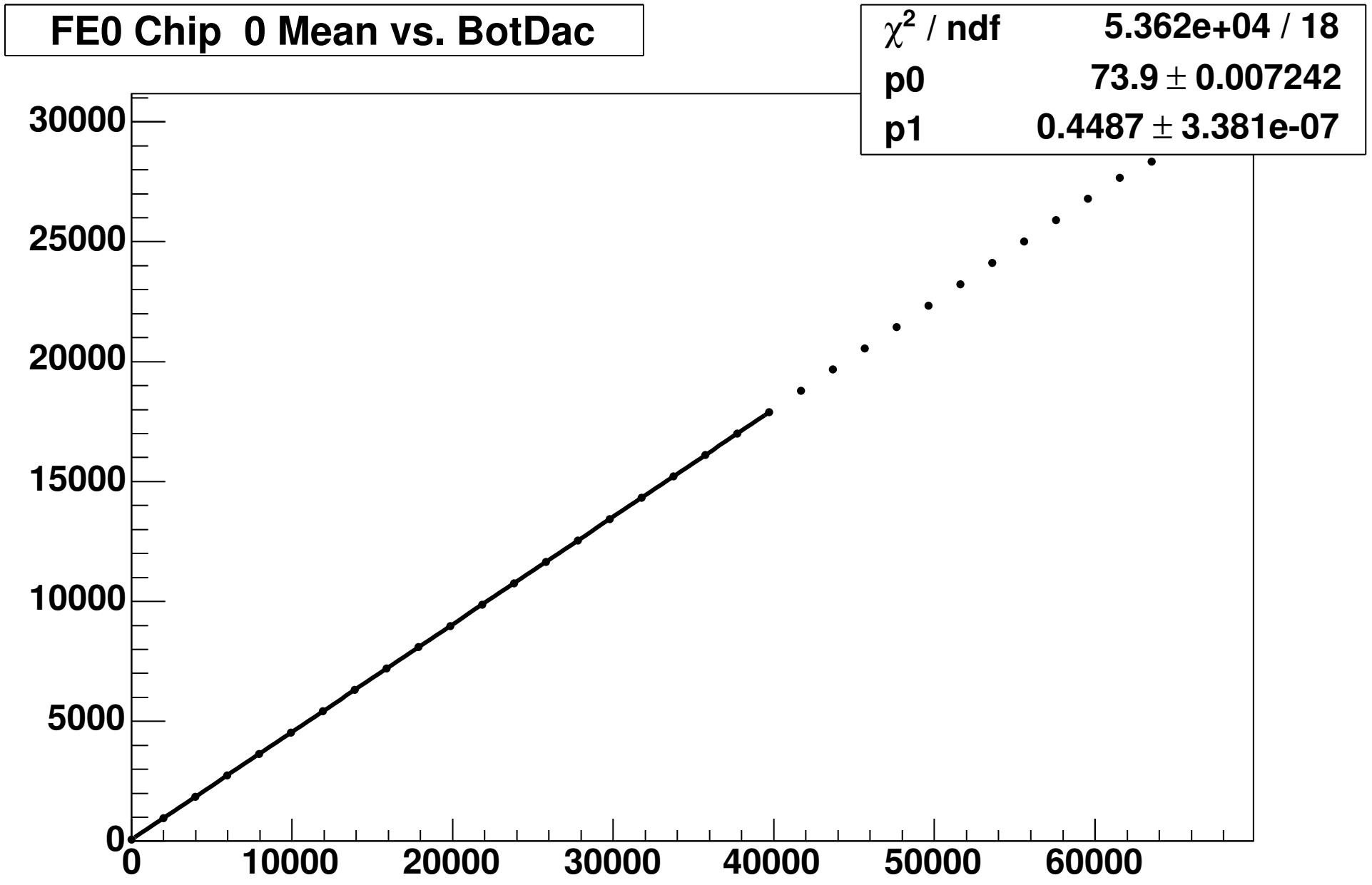
FE0 Chip 0 Mean vs. BotDac
χ² / ndf 5.362e+04 / 18
p0 73.9 ± 0.007242
p1 0.4487 ± 3.381e-07
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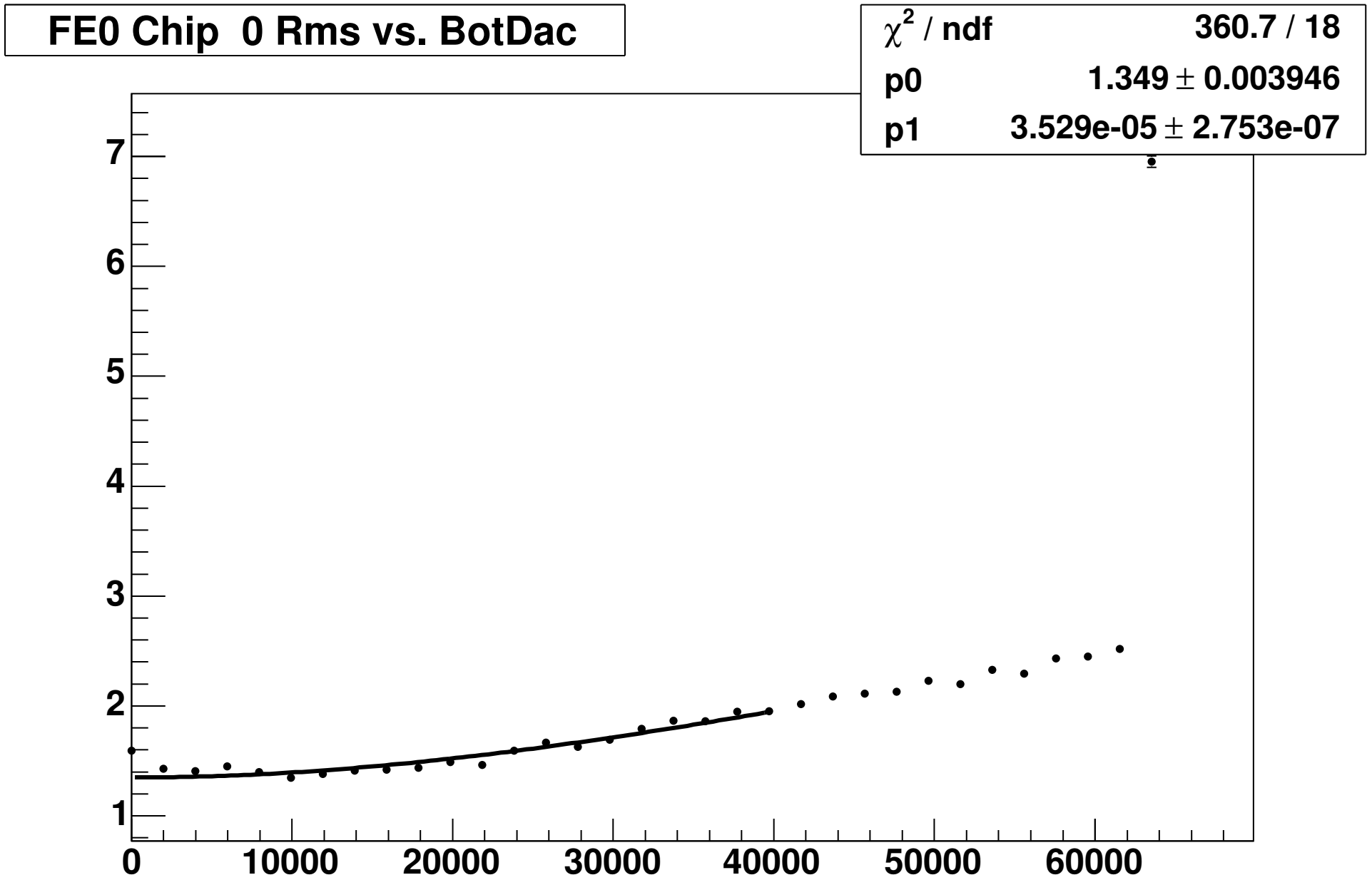
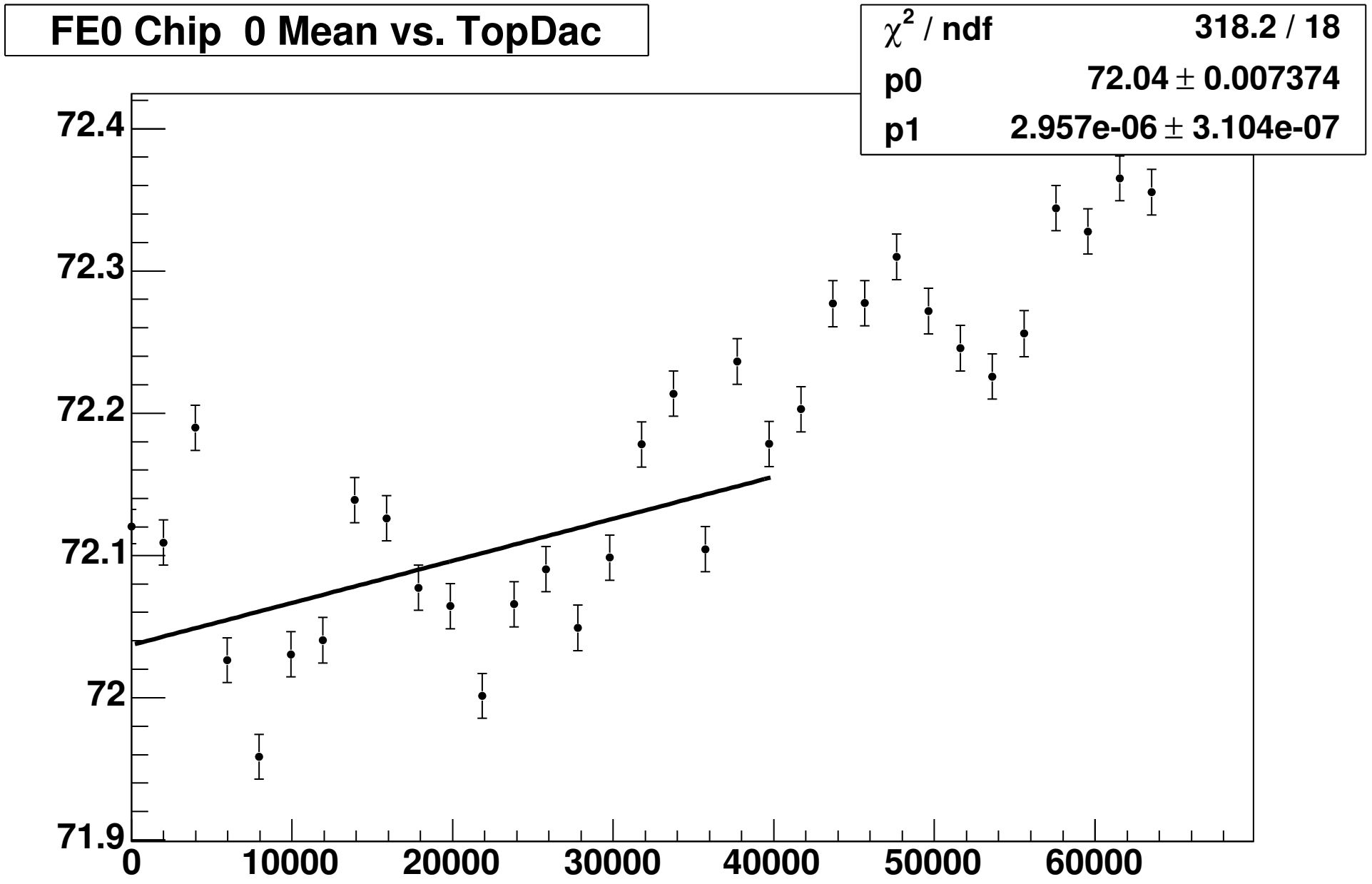
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Rms vs. BotDac
χ² / ndf 360.7 / 18
p0 1.349 ± 0.003946
p1 3.529e-05 ± 2.753e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 0 Mean vs. TopDac
χ² / ndf 318.2 / 18
p0 72.04 ± 0.007374
p1 2.957e-06 ± 3.104e-07
72.4
72.3
72.2
72.1
72
71.9
0
10000
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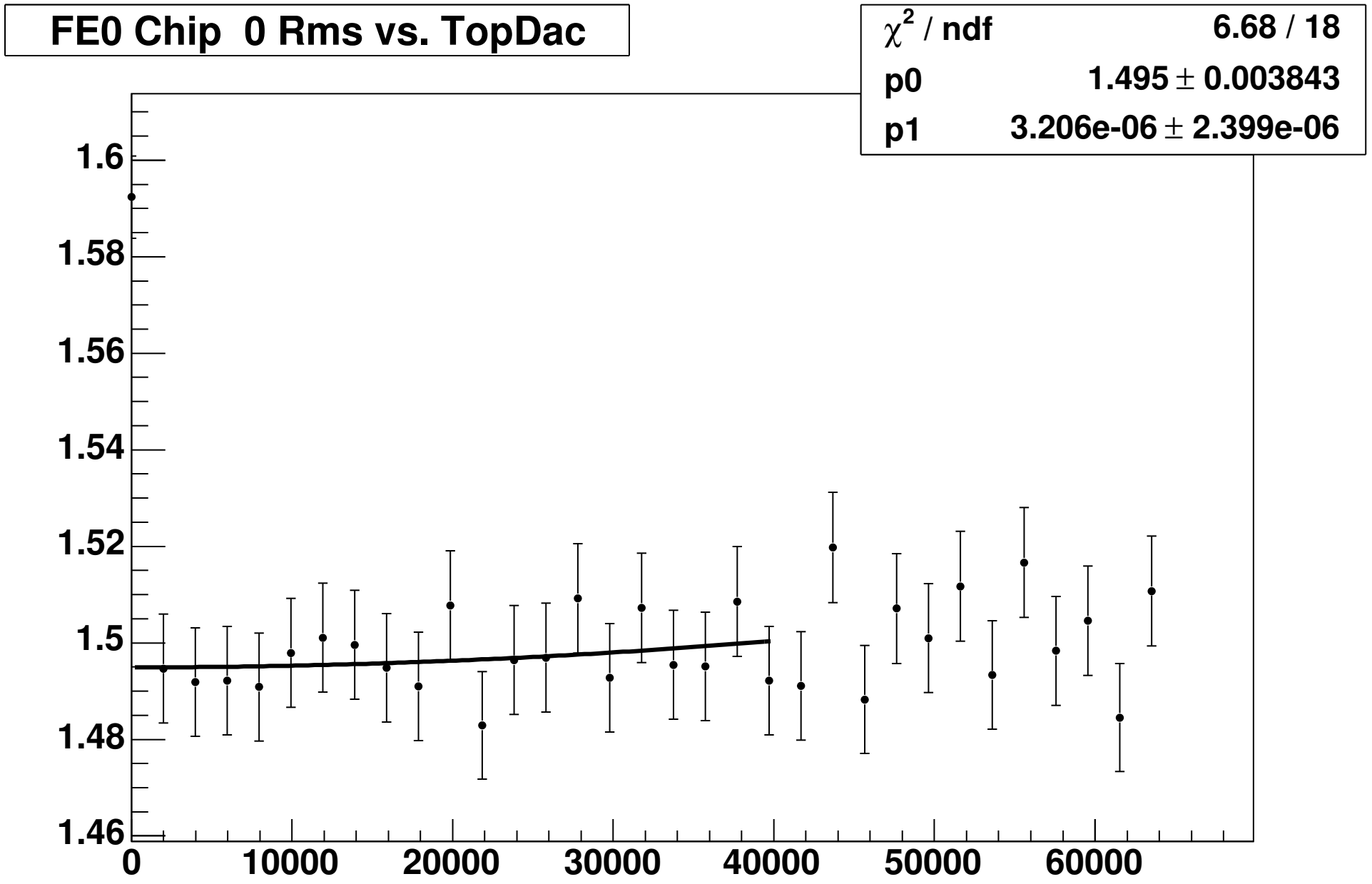
50000
60000


FE0 Chip 0 Rms vs. TopDac
χ² / ndf 6.68 / 18
p0 1.495 ± 0.003843
p1 3.206e-06 ± 2.399e-06
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
0
10000
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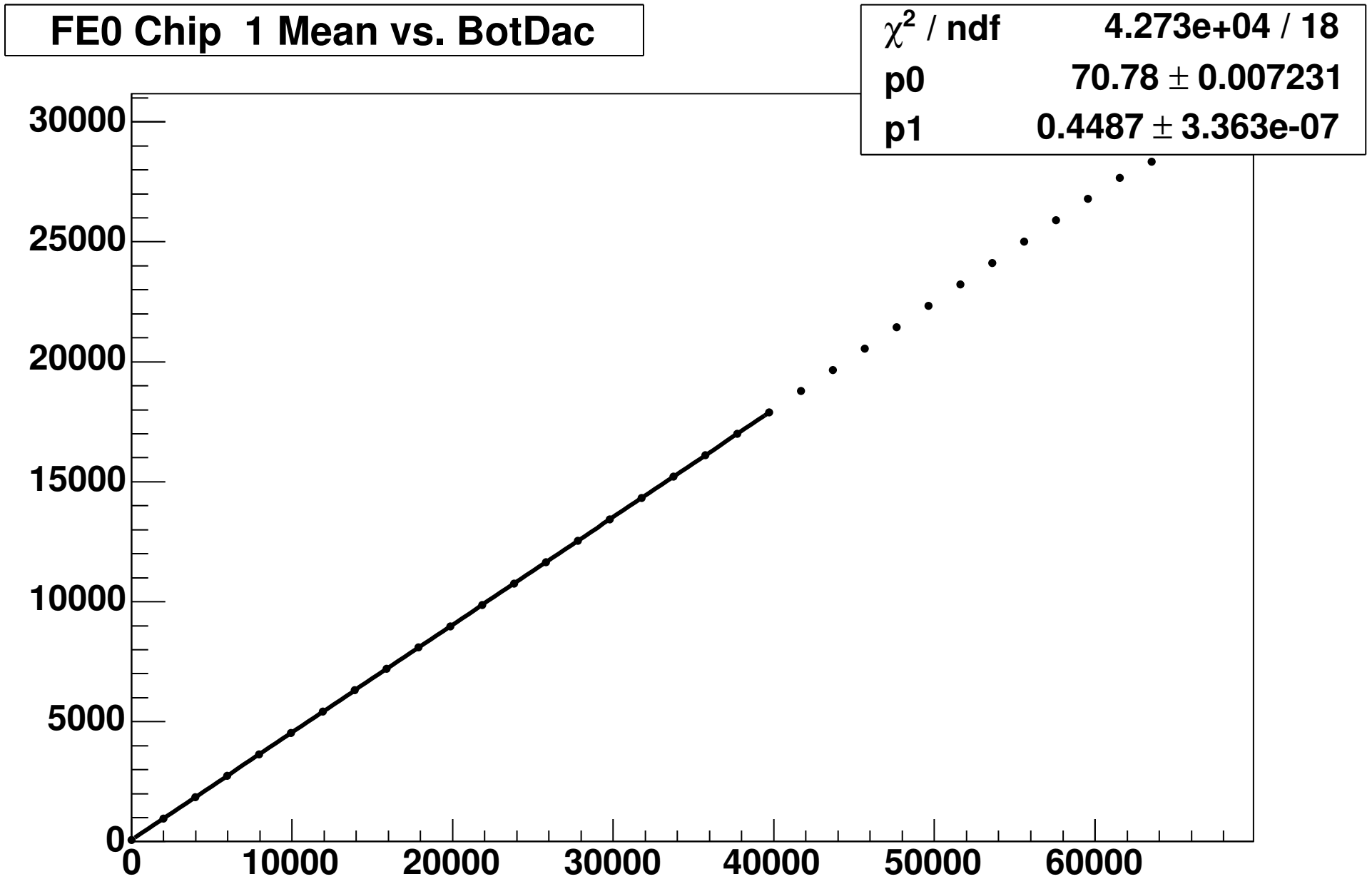
FE0 Chip 1 Mean vs. BotDac
χ² / ndf 4.273e+04 / 18
p0 70.78 ± 0.007231
p1 0.4487 ± 3.363e-07
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25000
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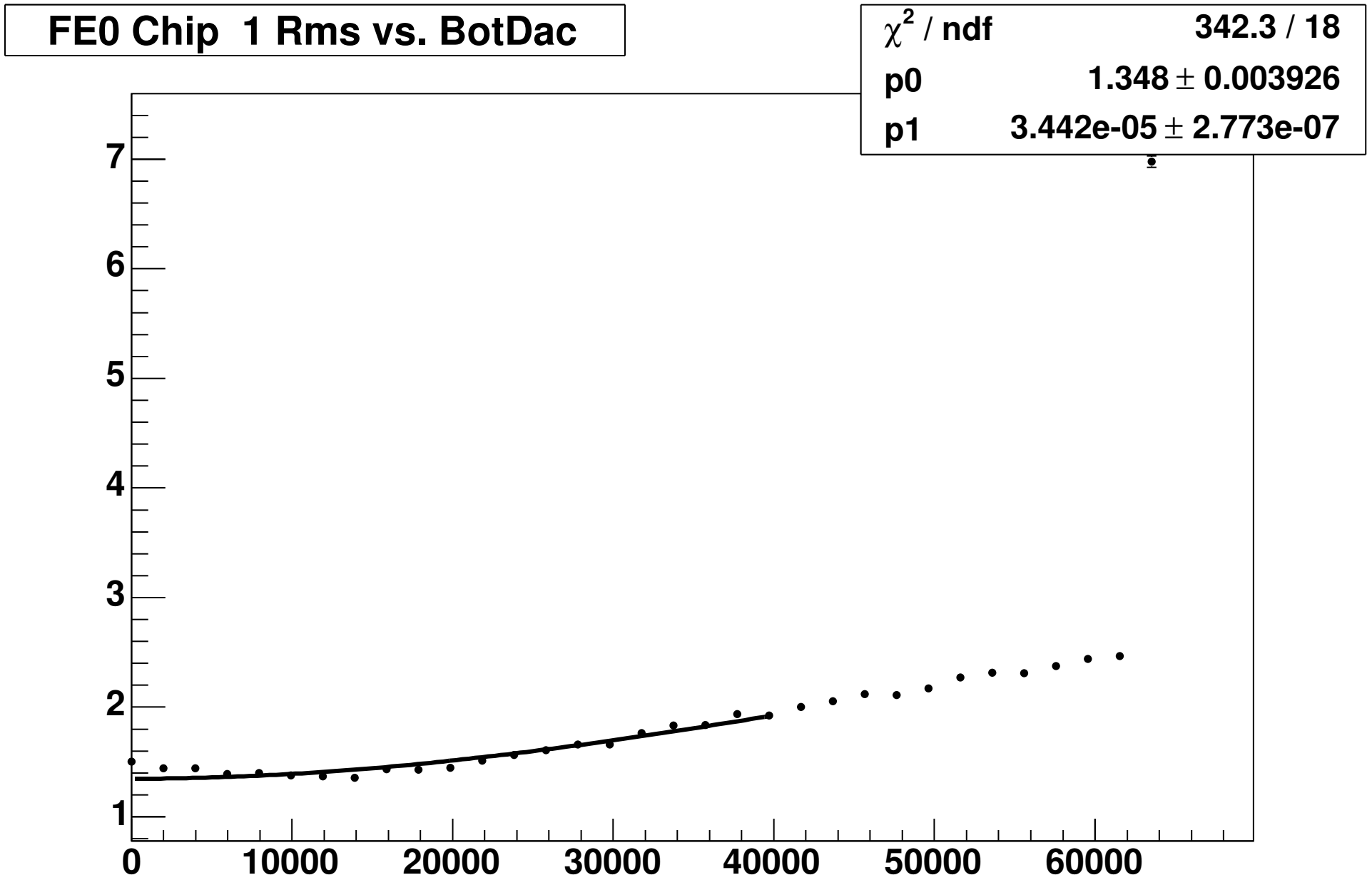
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 1 Rms vs. BotDac
χ² / ndf 342.3 / 18
p0 1.348 ± 0.003926
p1 3.442e-05 ± 2.773e-07
7
6
5
4
3
2
1
0
10000
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40000
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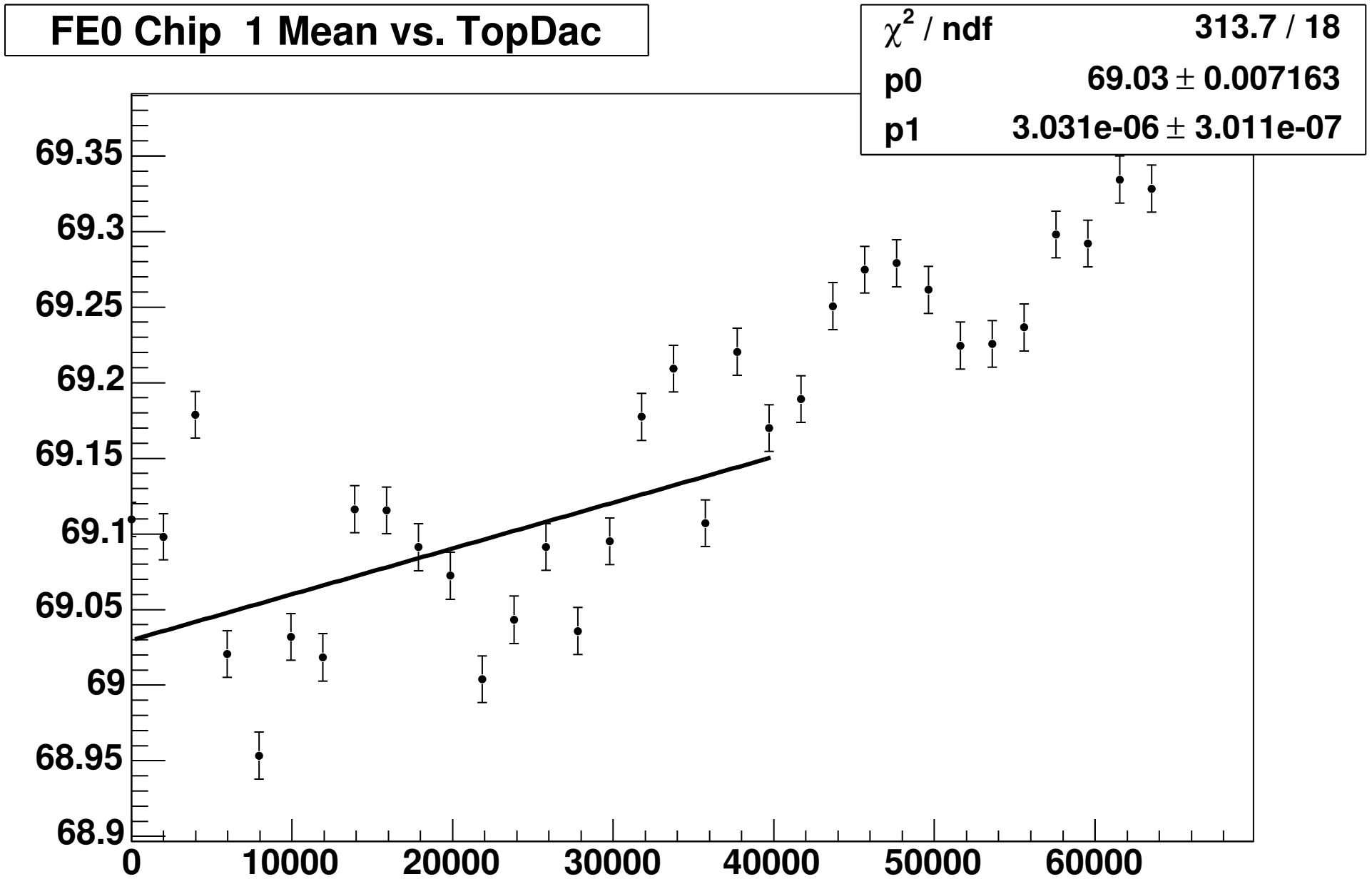
FE0 Chip 1 Mean vs. TopDac
χ² / ndf 313.7 / 18
p0 69.03 ± 0.007163
p1 3.031e-06 ± 3.011e-07
69.35
69.3
69.25
69.2
69.15
69.1
69.05
69
68.95
68.9
0
10000
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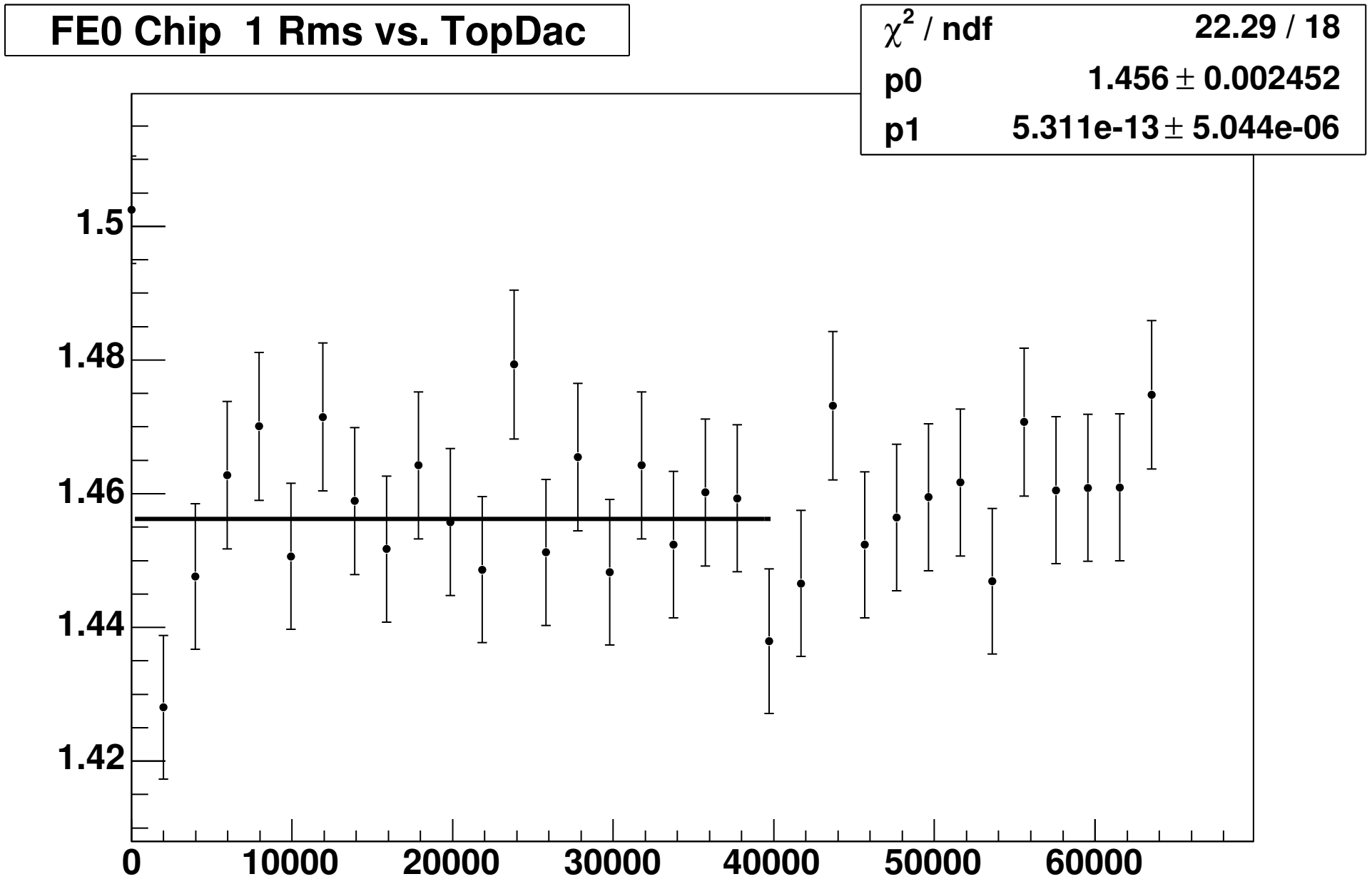
60000


FE0 Chip 1 Rms vs. TopDac
χ² / ndf 22.29 / 18
p0 1.456 ± 0.002452
p1 5.311e-13 ± 5.044e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
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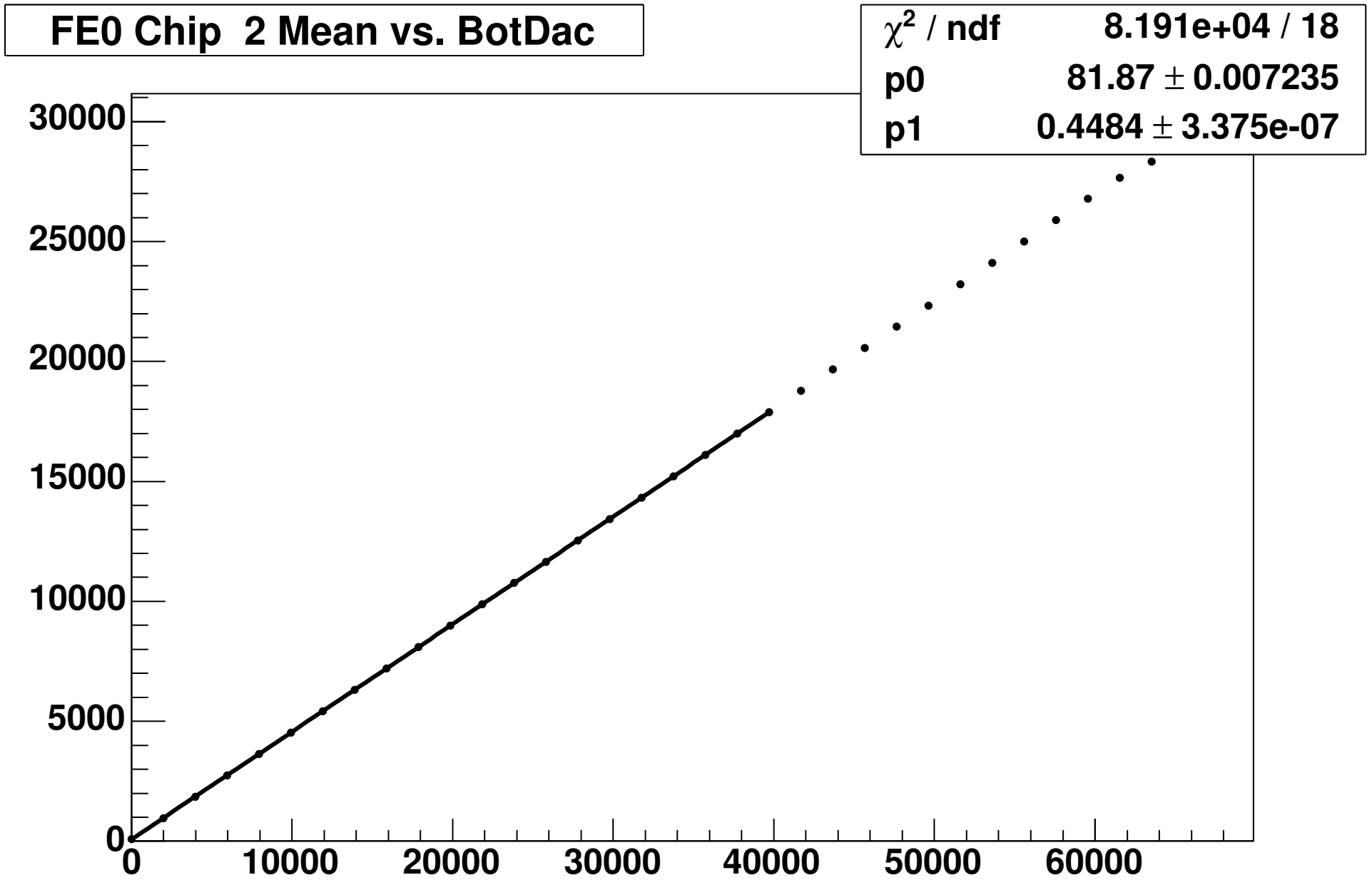
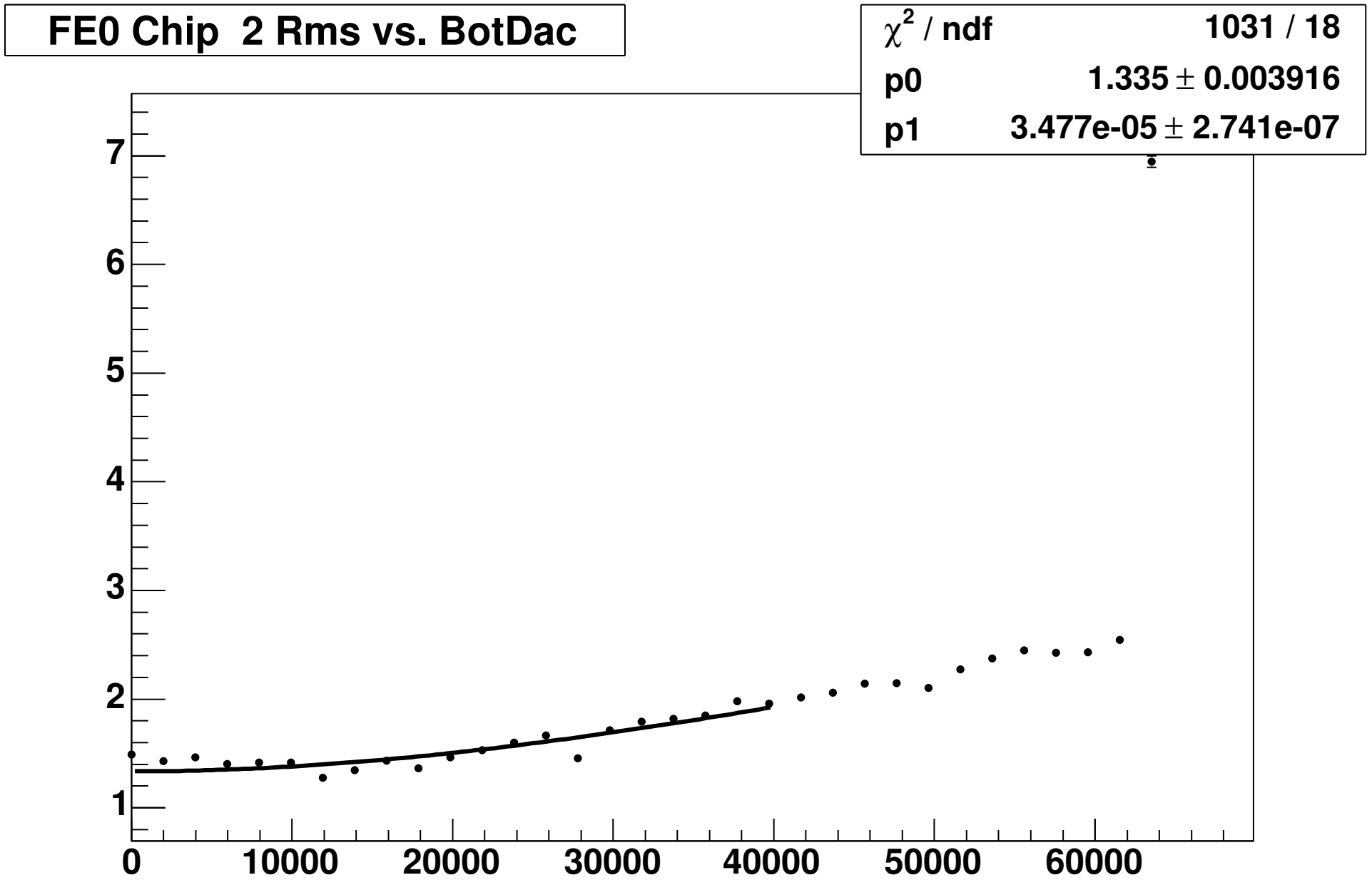
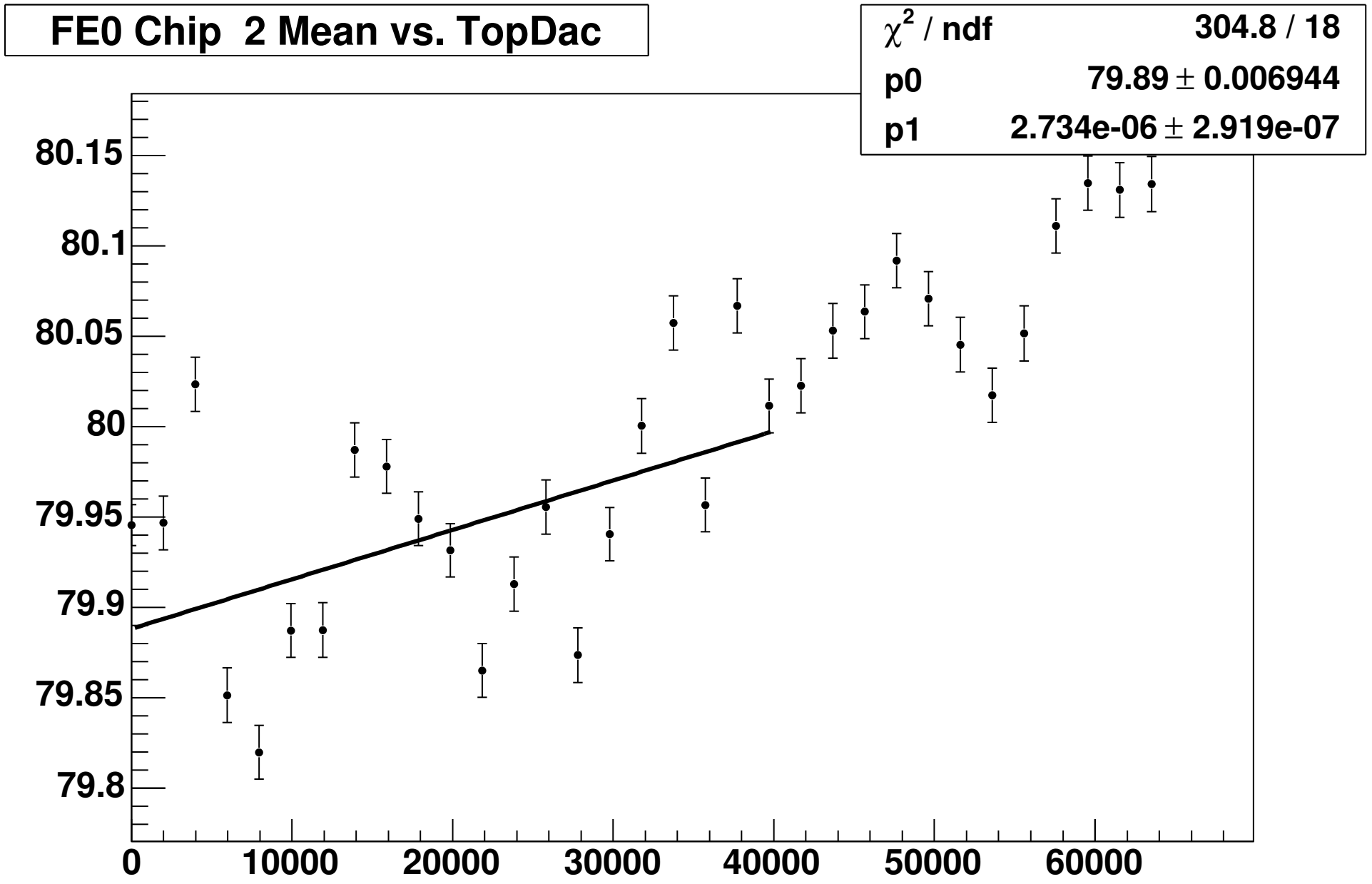
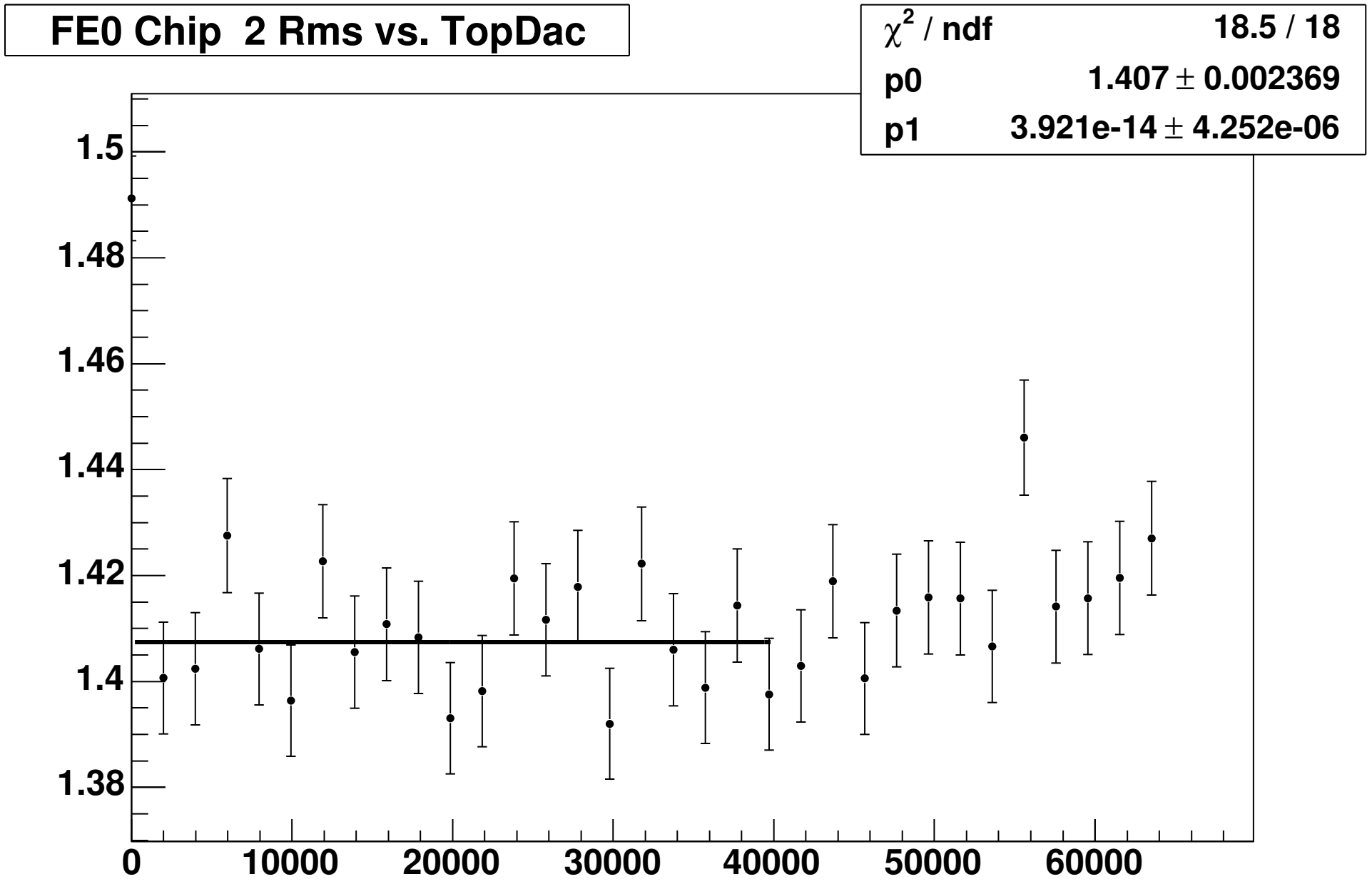
40000
50000
60000


FE0 Chip 2 Mean vs. BotDac
χ² / ndf 8.191e+04 / 18
p0 81.87 ± 0.007235
p1 0.4484 ± 3.375e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Rms vs. BotDac
χ² / ndf 1031 / 18
p0 1.335 ± 0.003916
p1 3.477e-05 ± 2.741e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Mean vs. TopDac
χ² / ndf 304.8 / 18
p0 79.89 ± 0.006944
p1 2.734e-06 ± 2.919e-07
80.15
80.1
80.05
80
79.95
79.9
79.85
79.8
0
10000
20000
30000
40000
50000
60000


FE0 Chip 2 Rms vs. TopDac
χ² / ndf 18.5 / 18
p0 1.407 ± 0.002369
p1 3.921e-14 ± 4.252e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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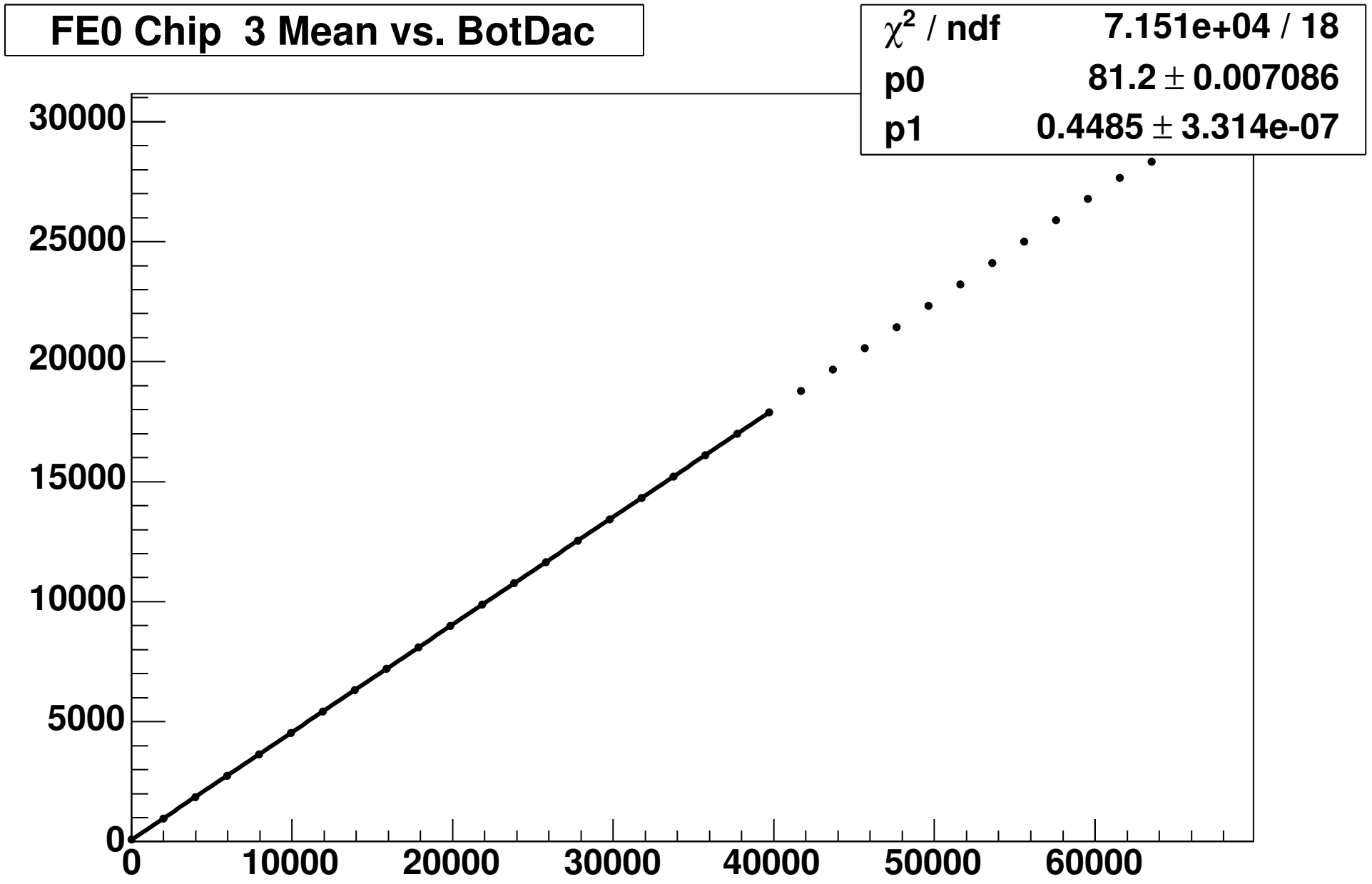
30000
40000
50000
60000


FE0 Chip 3 Mean vs. BotDac
χ² / ndf 7.151e+04 / 18
p0 81.2 ± 0.007086
p1 0.4485 ± 3.314e-07
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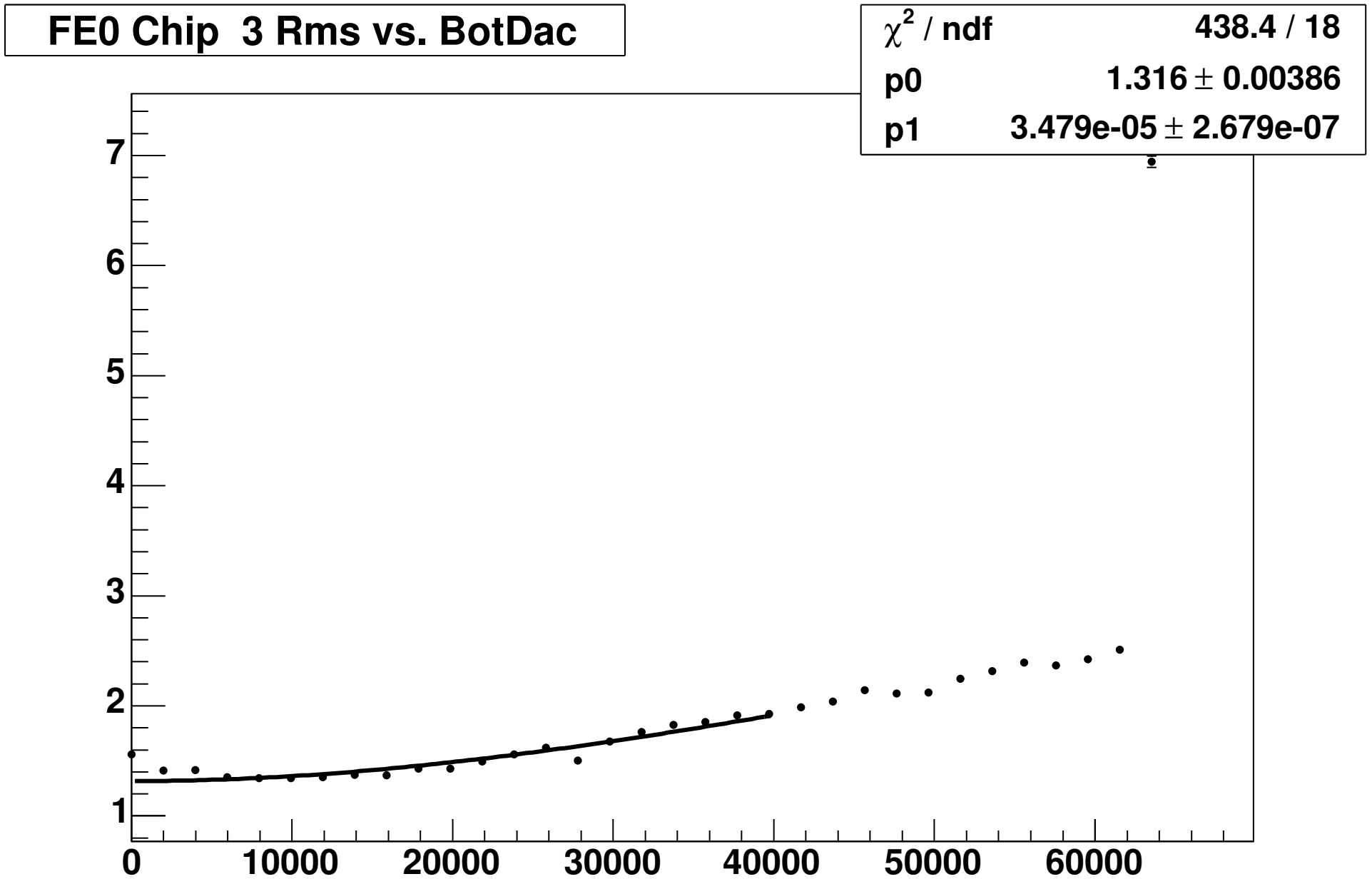
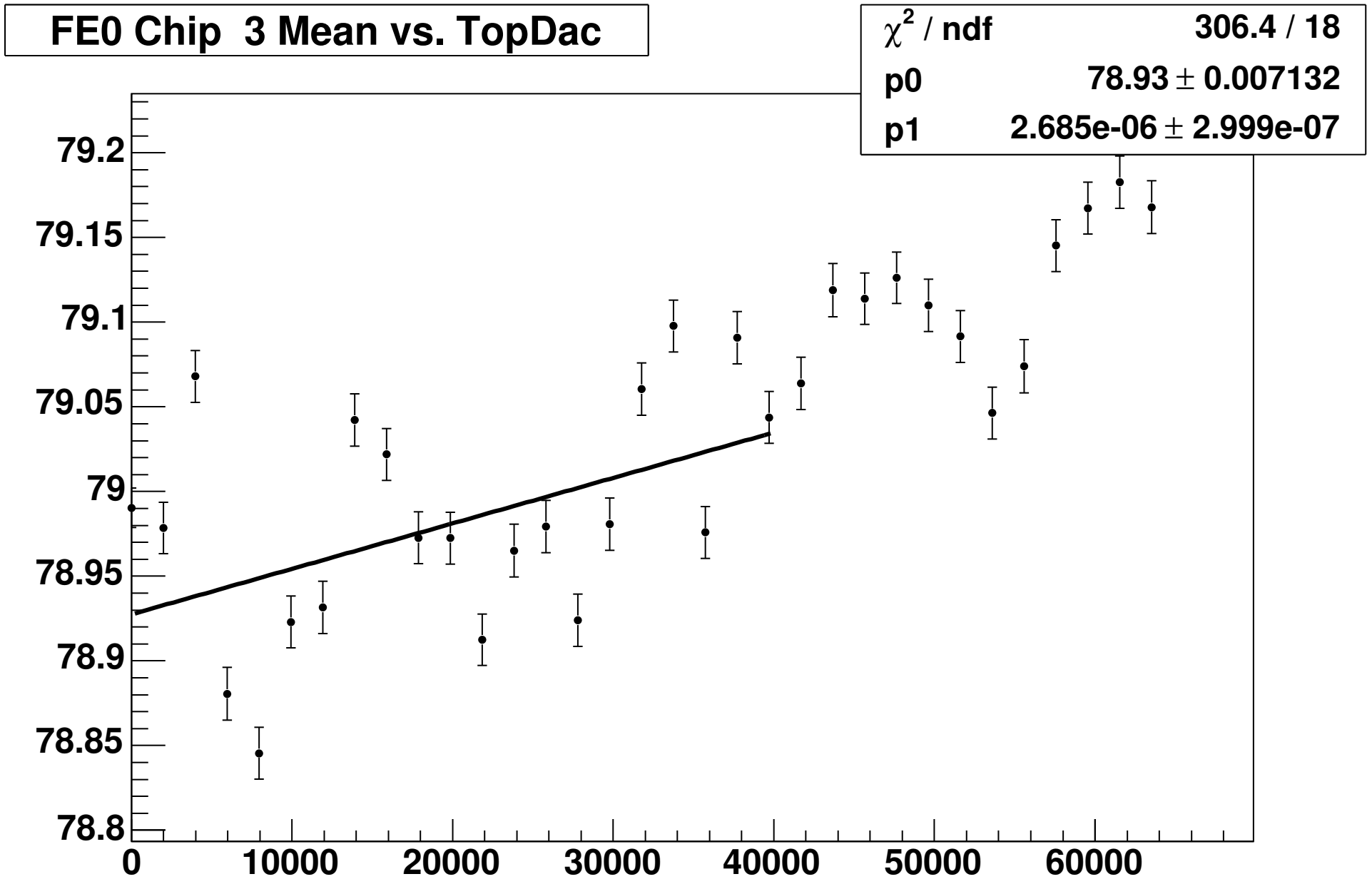
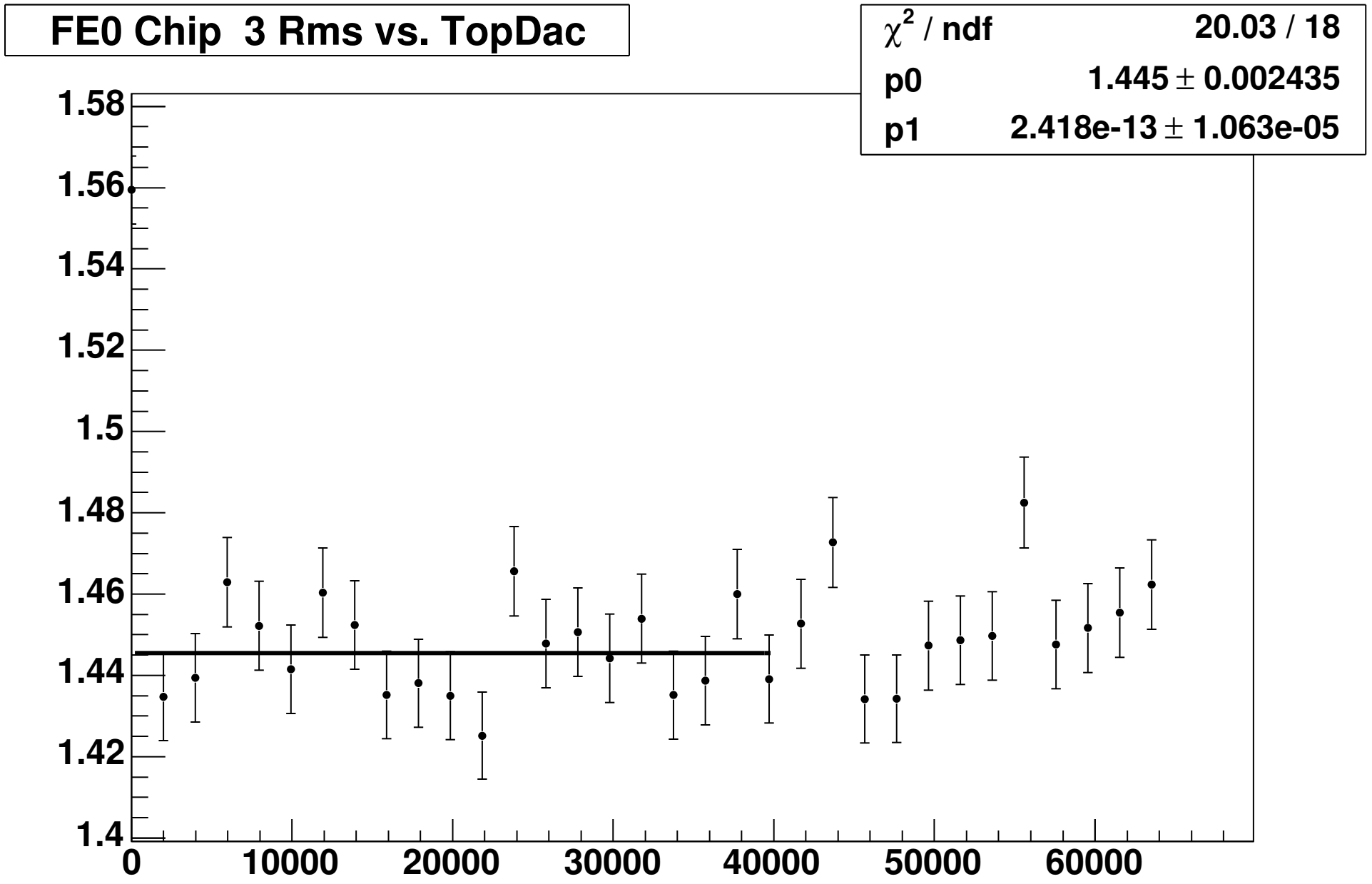
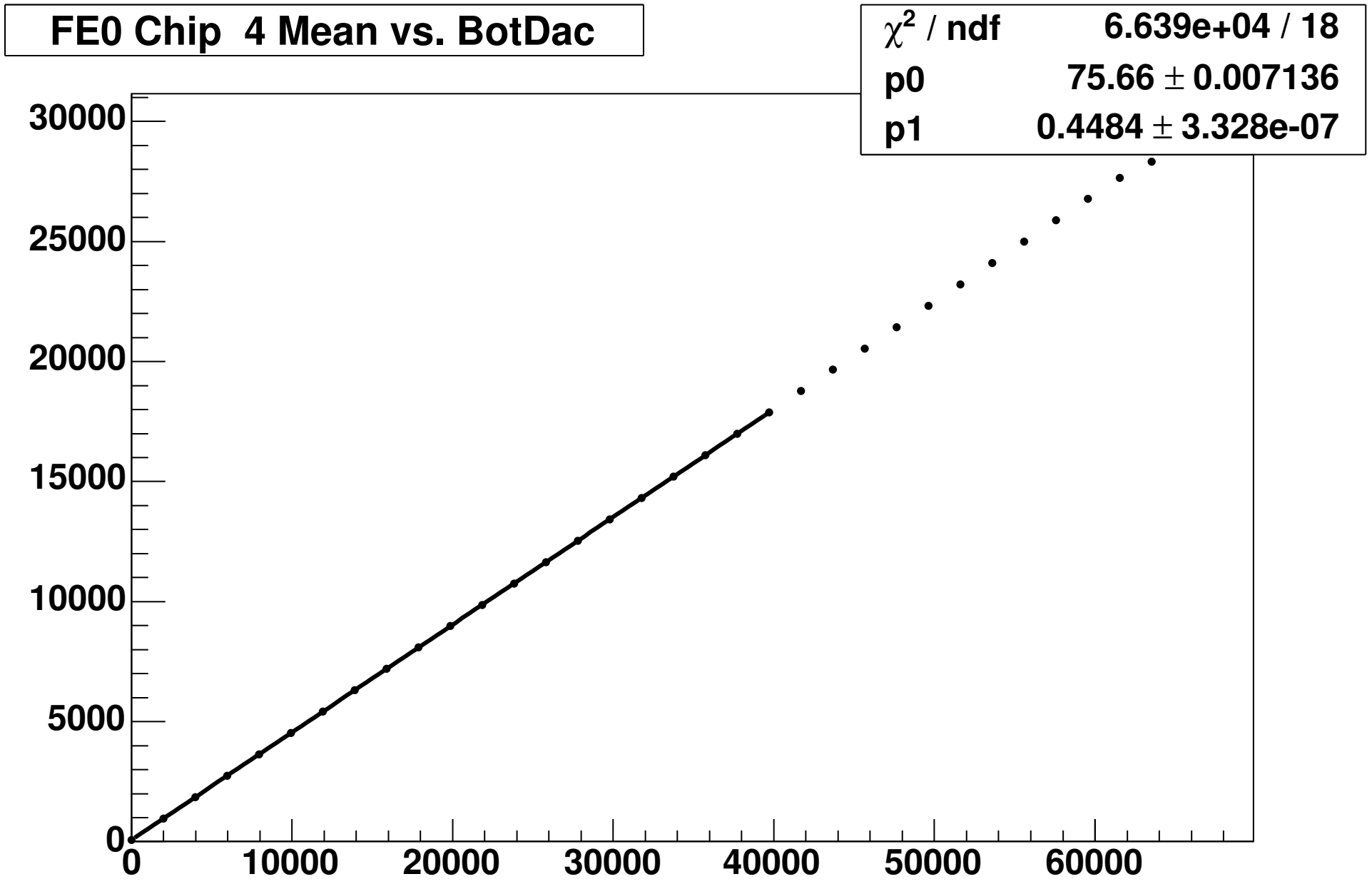
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Rms vs. BotDac
χ² / ndf 438.4 / 18
p0 1.316 ± 0.00386
p1 3.479e-05 ± 2.679e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Mean vs. TopDac
χ² / ndf 306.4 / 18
p0 78.93 ± 0.007132
p1 2.685e-06 ± 2.999e-07
79.2
79.15
79.1
79.05
79
78.95
78.9
78.85
78.8
0
10000
20000
30000
40000
50000
60000


FE0 Chip 3 Rms vs. TopDac
χ² / ndf 20.03 / 18
p0 1.445 ± 0.002435
p1 2.418e-13 ± 1.063e-05
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. BotDac
χ² / ndf 6.639e+04 / 18
p0 75.66 ± 0.007136
p1 0.4484 ± 3.328e-07
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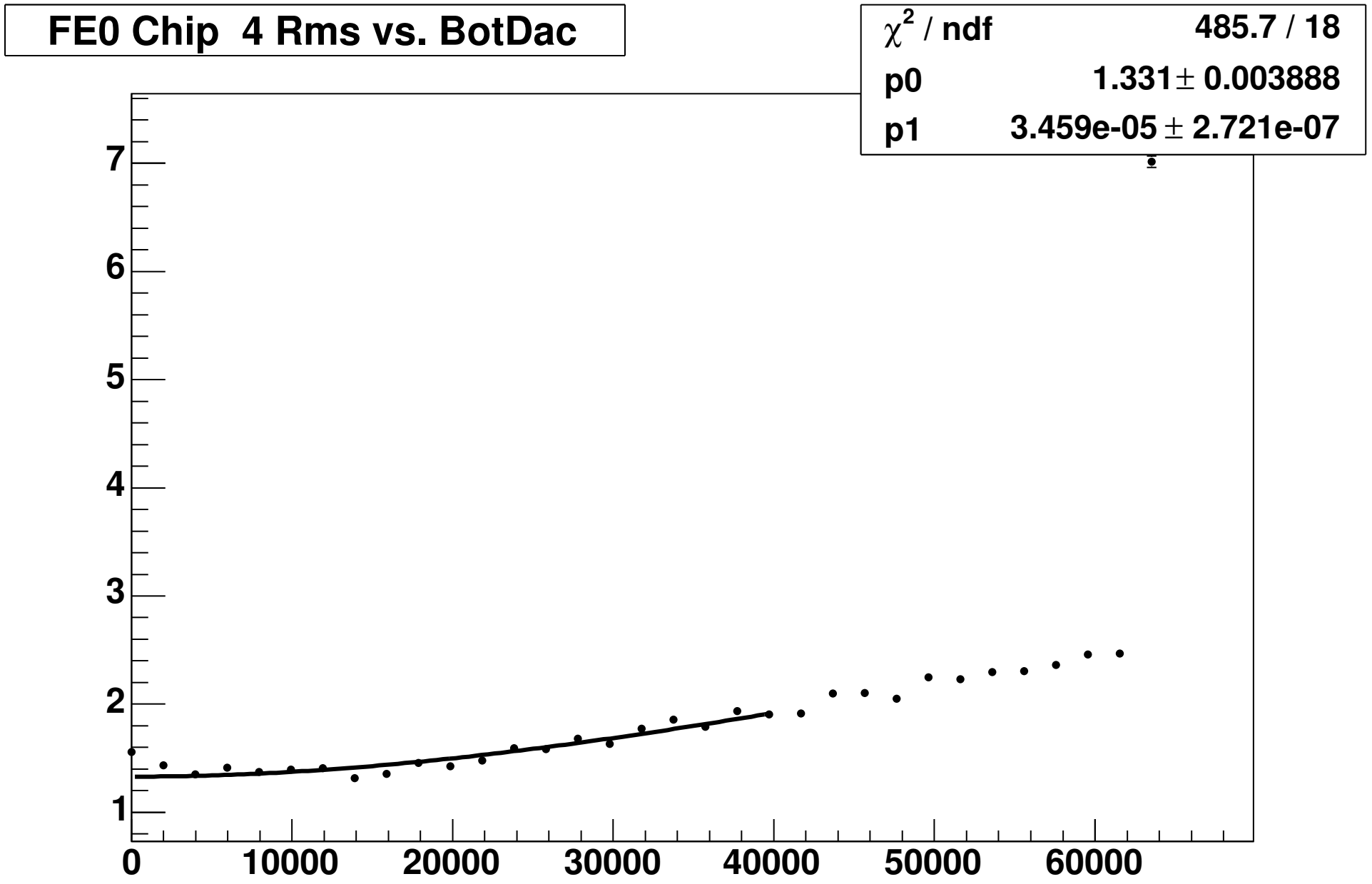
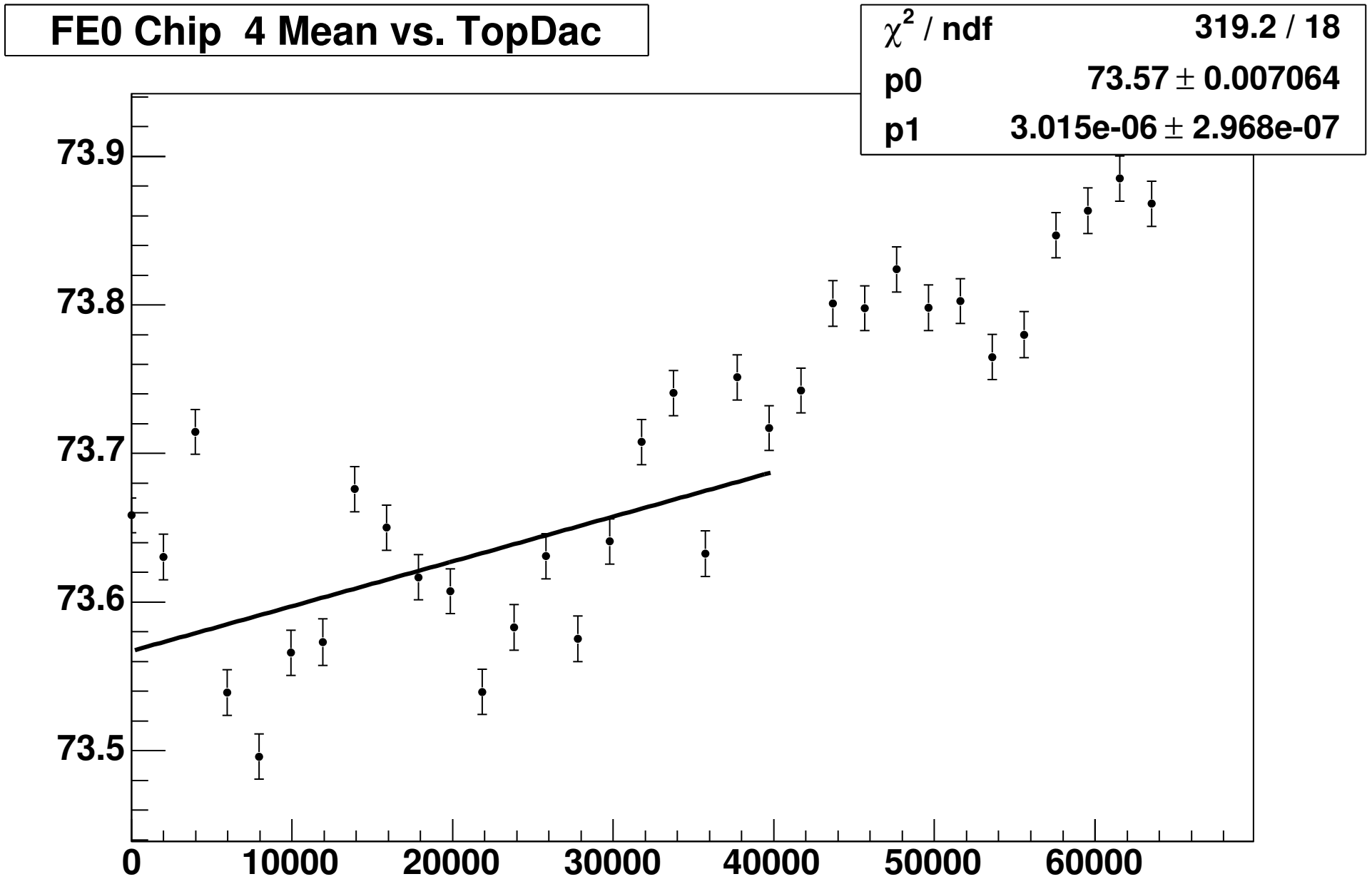
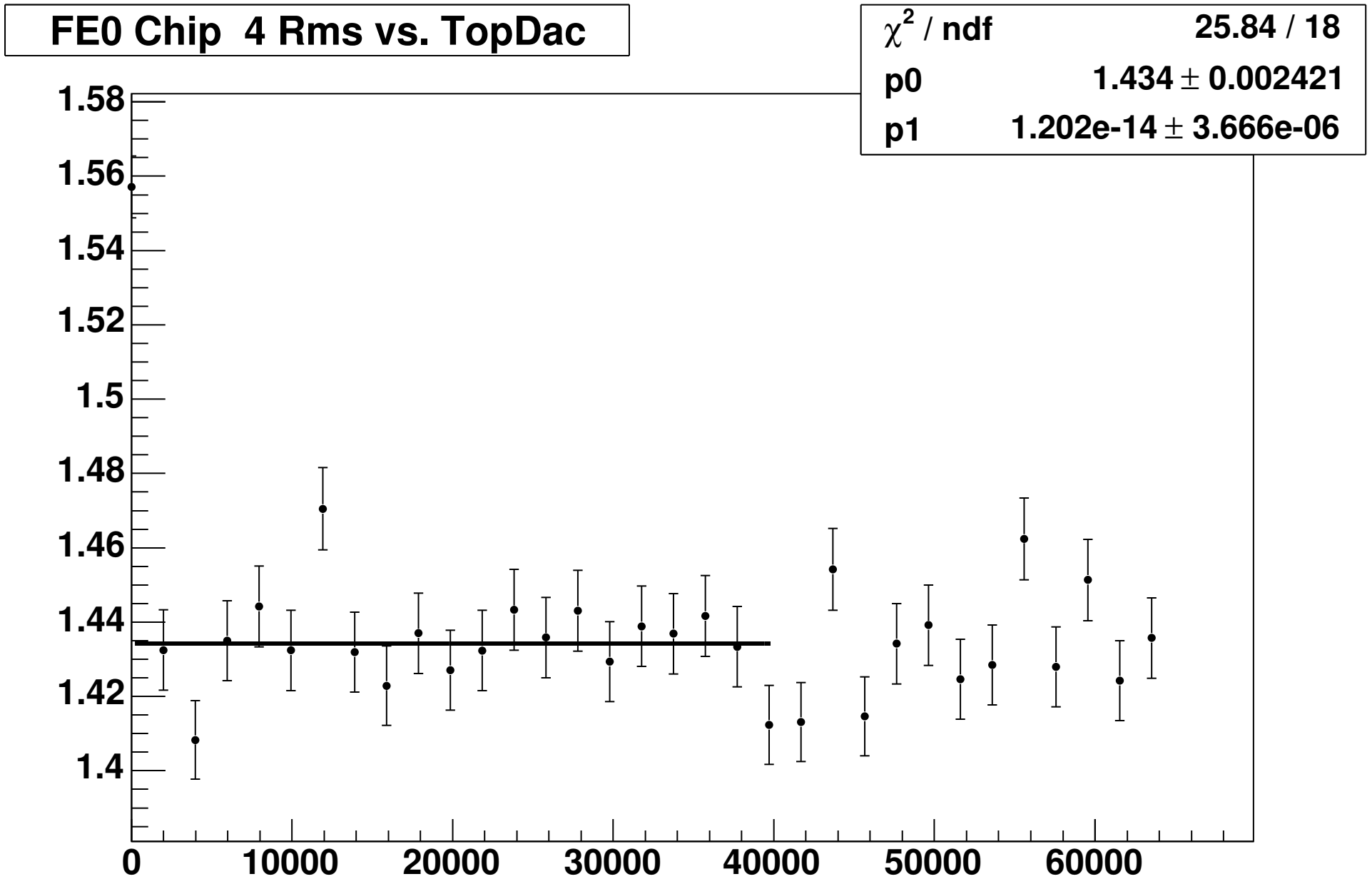
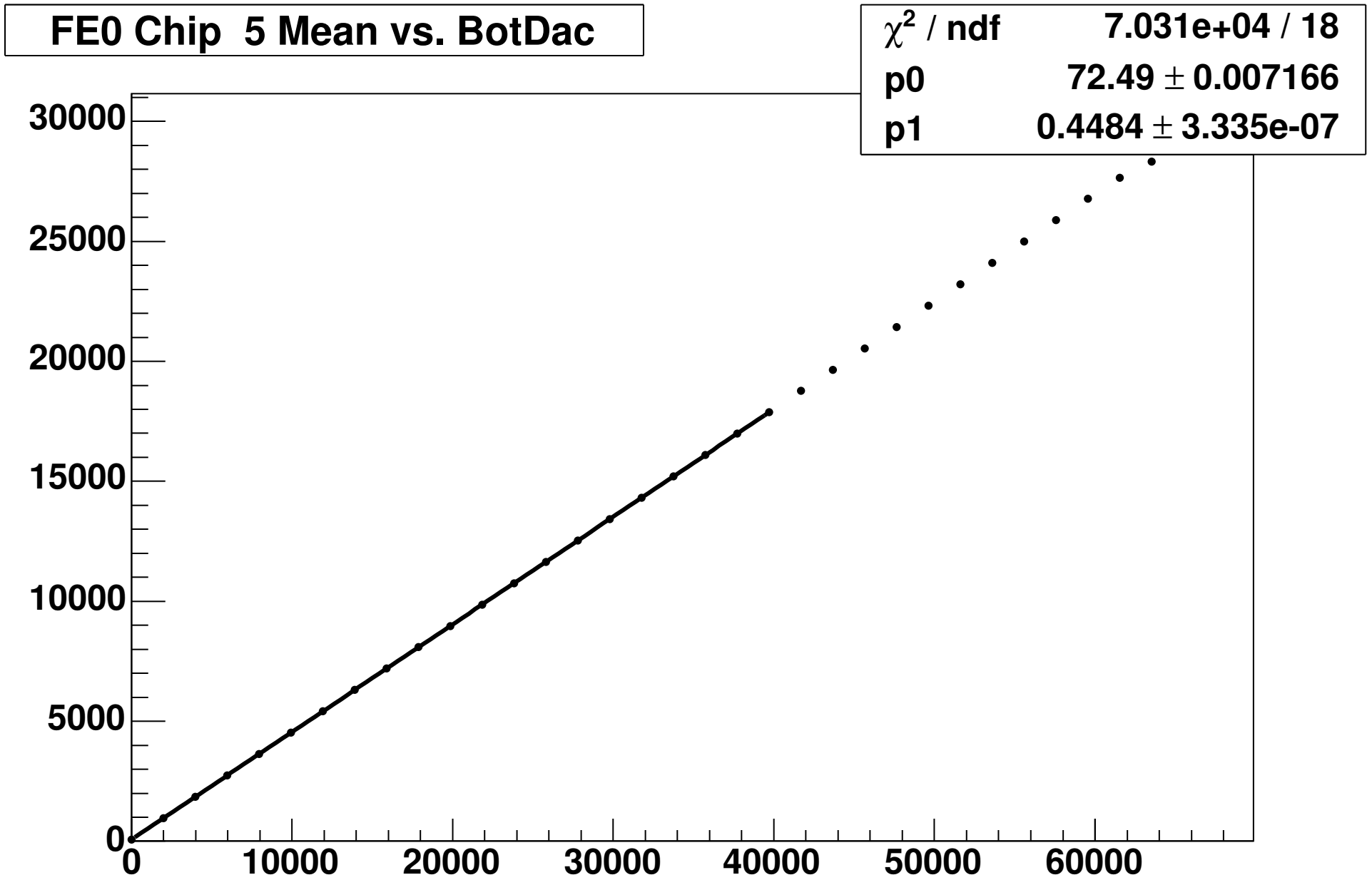
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. BotDac
χ² / ndf 485.7 / 18
p0 1.331 ± 0.003888
p1 3.459e-05 ± 2.721e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Mean vs. TopDac
χ² / ndf 319.2 / 18
p0 73.57 ± 0.007064
p1 3.015e-06 ± 2.968e-07
73.9
73.8
73.7
73.6
73.5
0
10000
20000
30000
40000
50000
60000


FE0 Chip 4 Rms vs. TopDac
χ² / ndf 25.84 / 18
p0 1.434 ± 0.002421
p1 1.202e-14 ± 3.666e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000


FE0 Chip 5 Mean vs. BotDac
χ² / ndf 7.031e+04 / 18
p0 72.49 ± 0.007166
p1 0.4484 ± 3.335e-07
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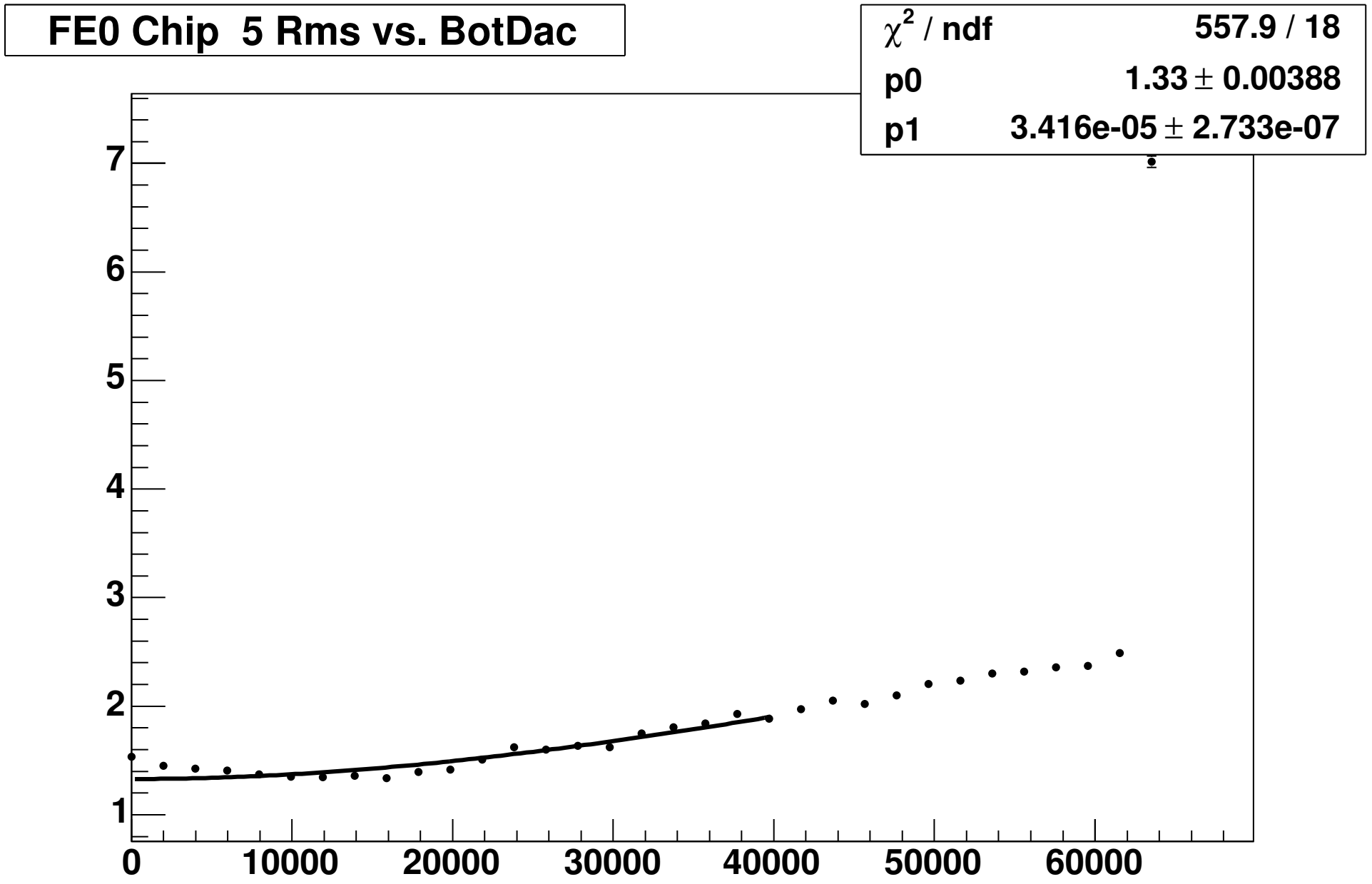
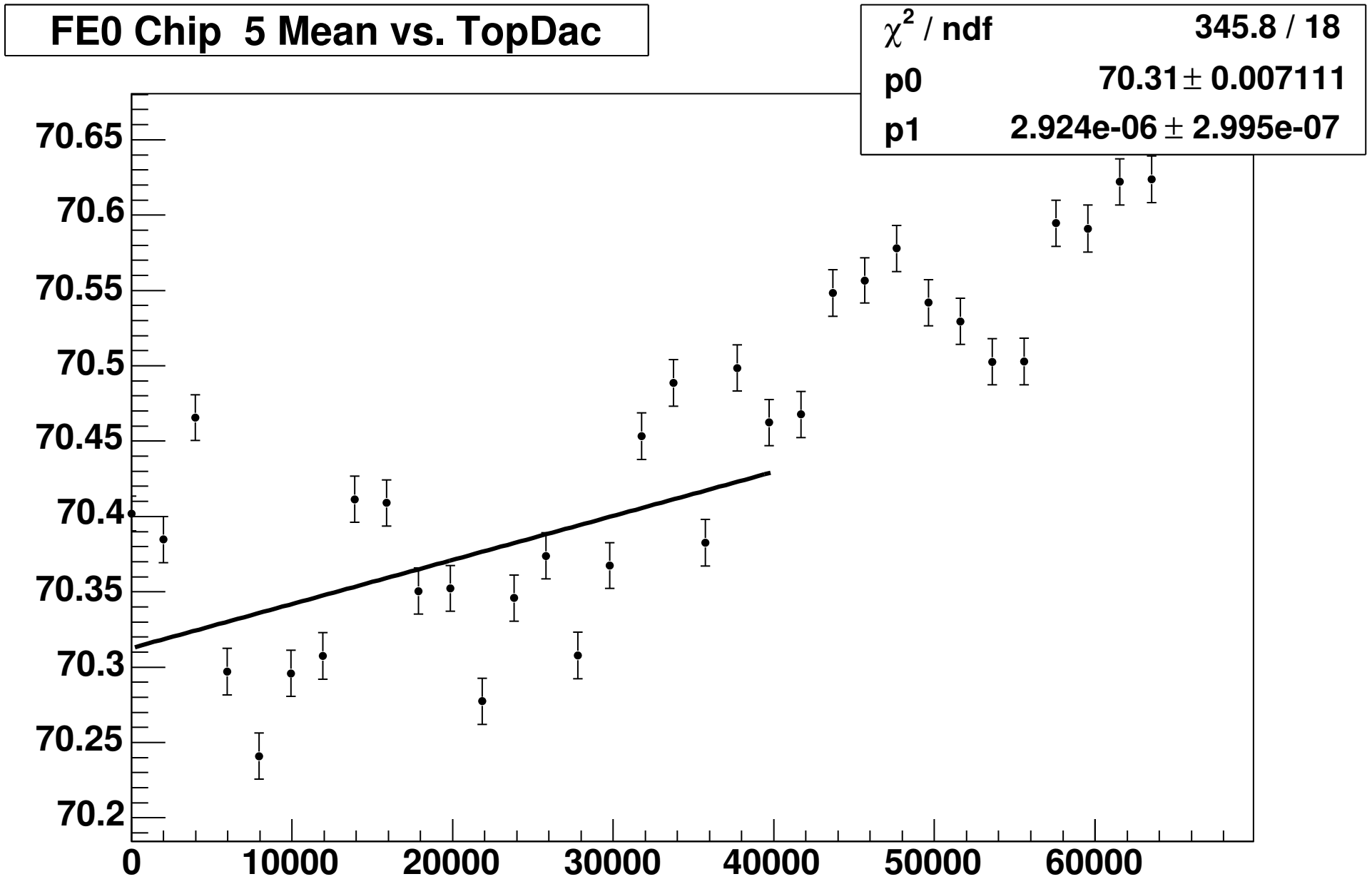
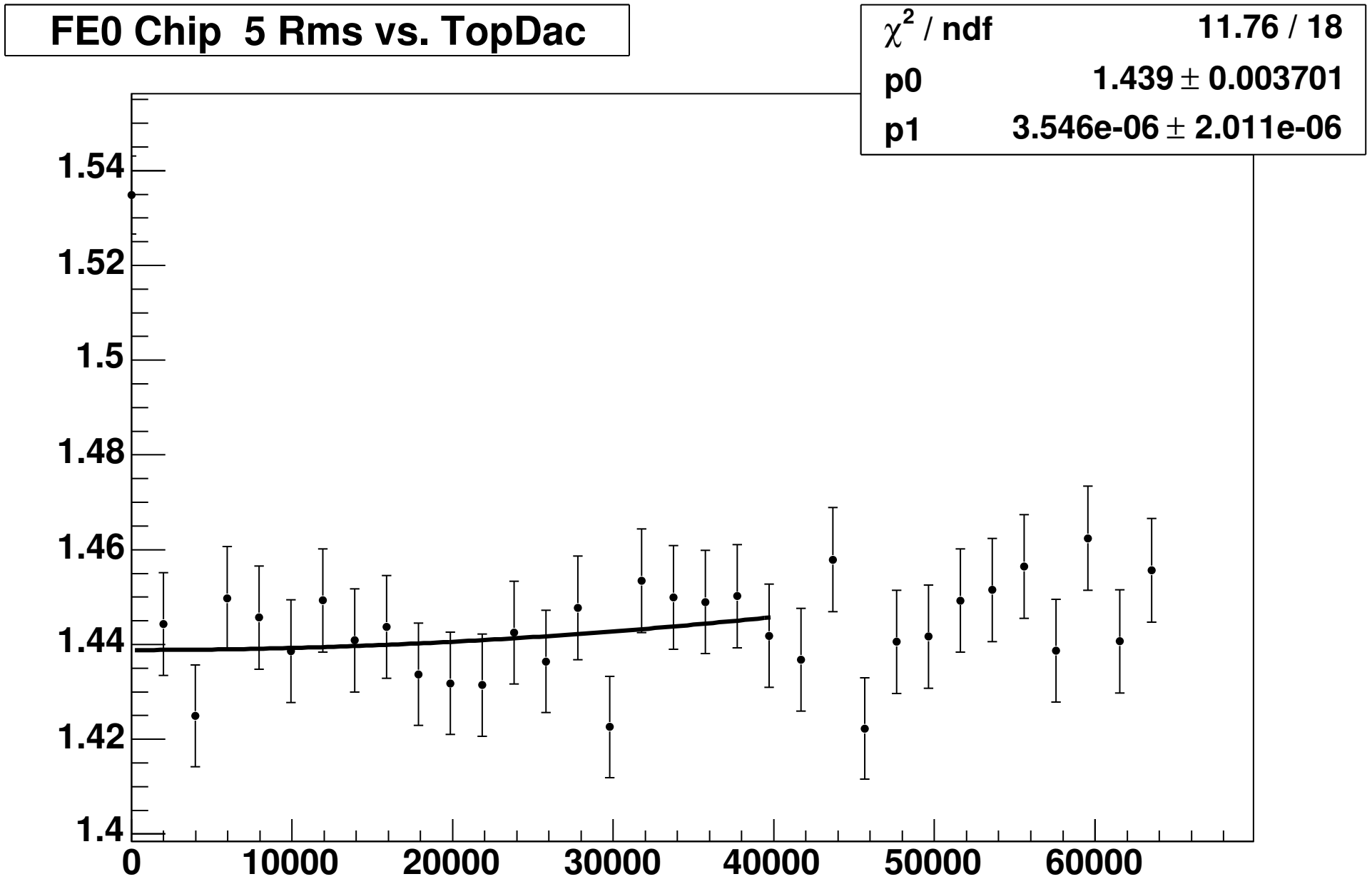
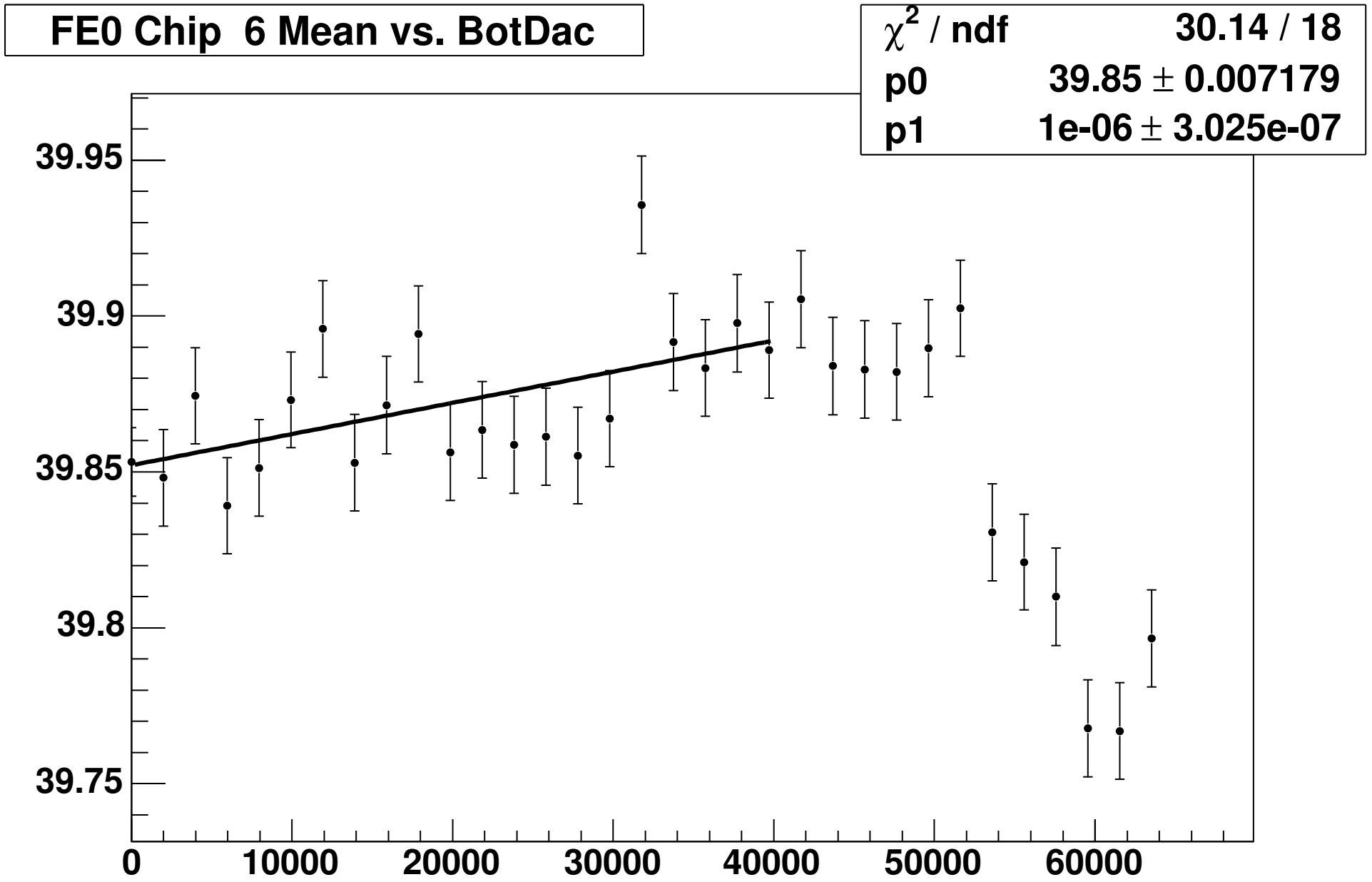
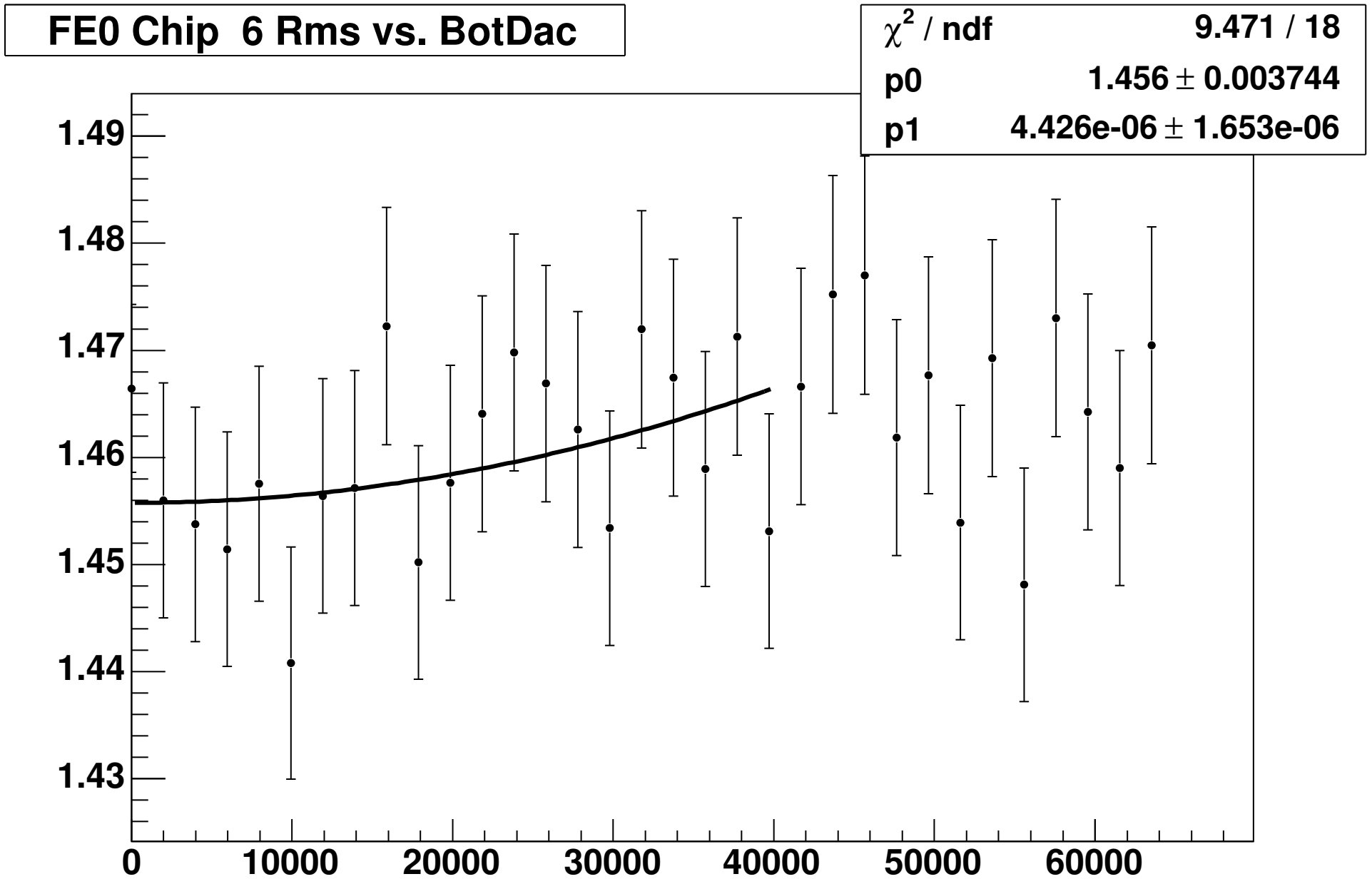
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

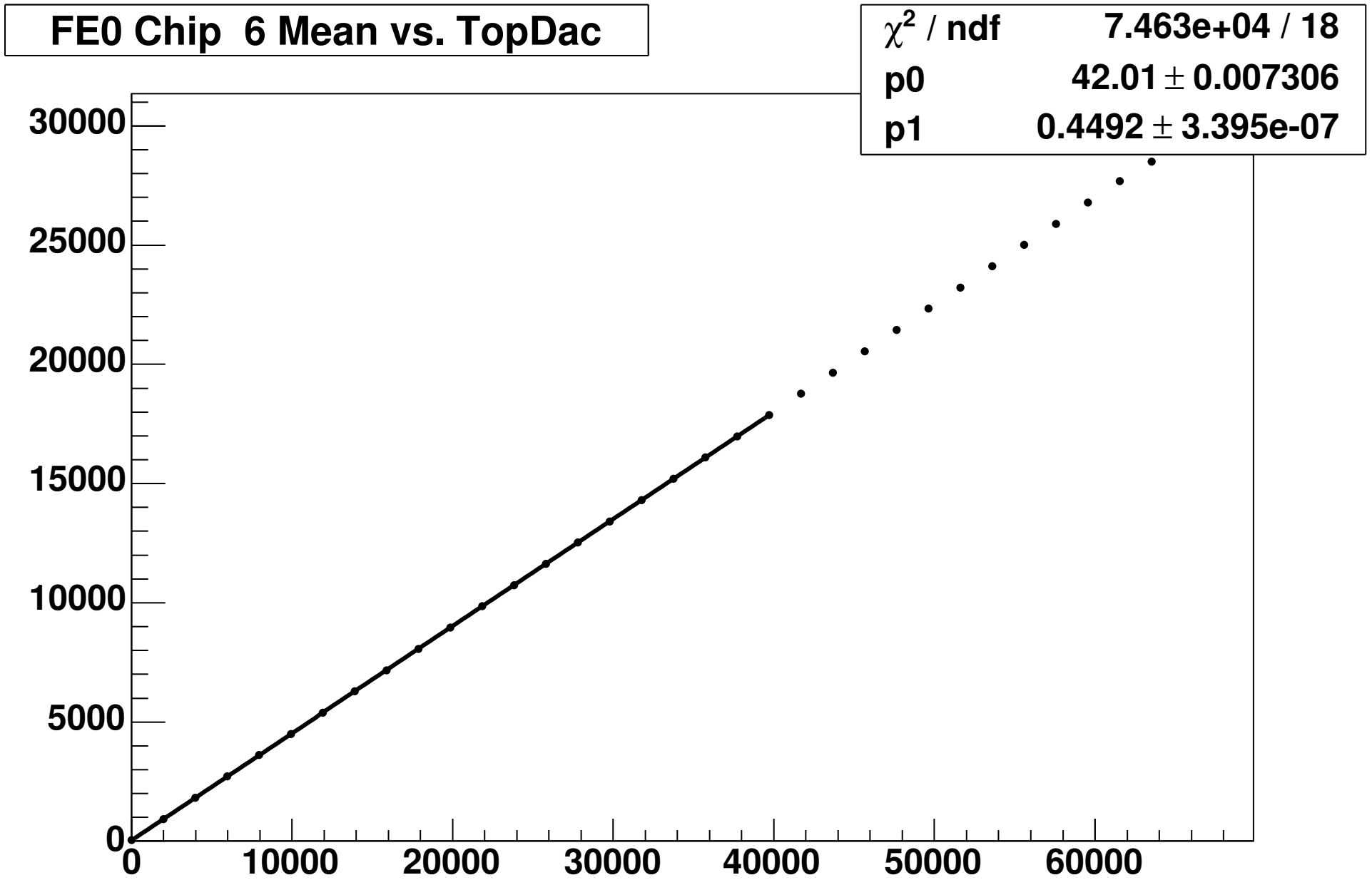

FE0 Chip 5 Rms vs. BotDac
χ² / ndf 557.9 / 18
p0 1.33 ± 0.00388
p1 3.416e-05 ± 2.733e-07
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

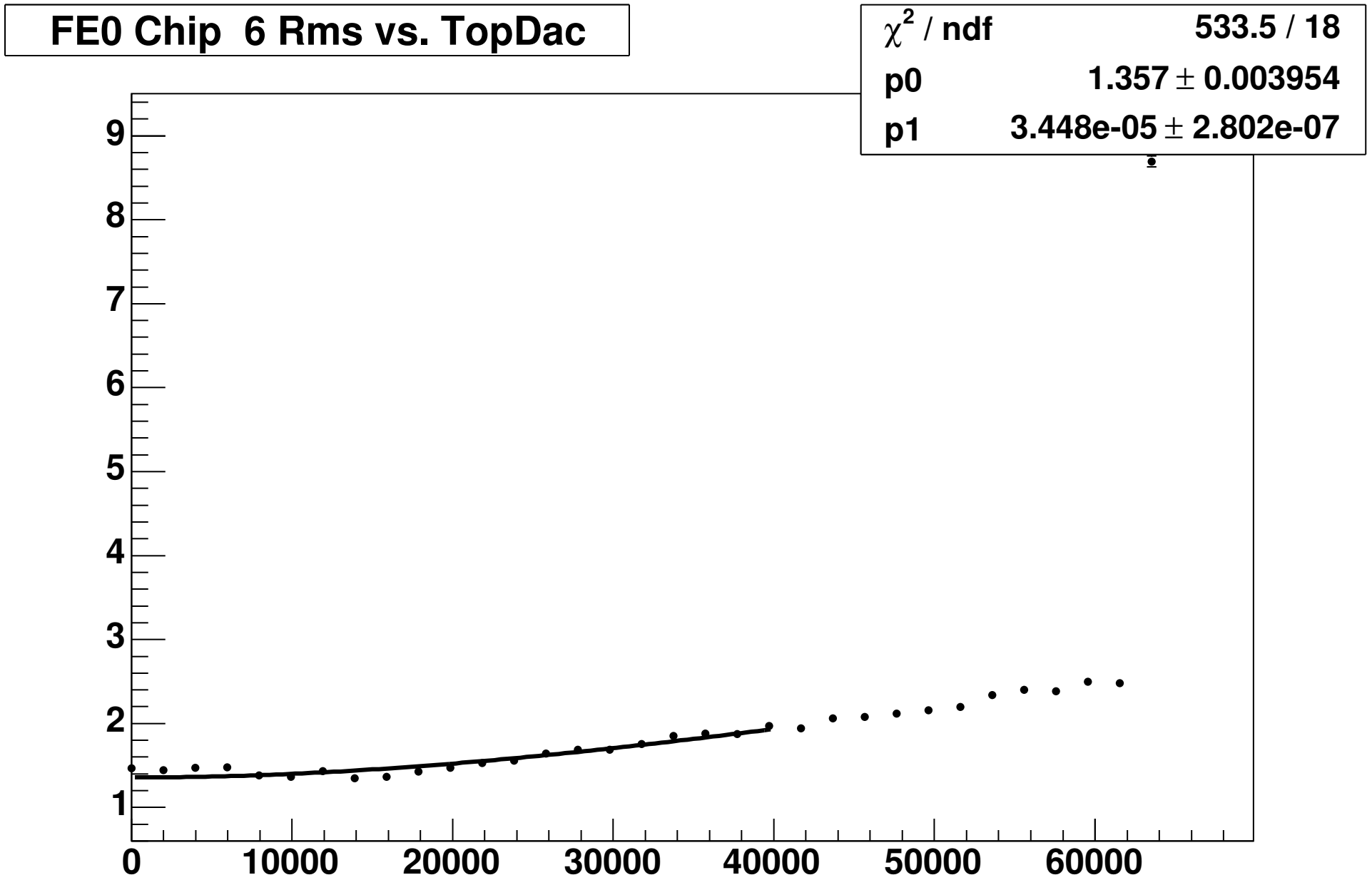

FE0 Chip 5 Mean vs. TopDac
χ² / ndf 345.8 / 18
p0 70.31 ± 0.007111
p1 2.924e-06 ± 2.995e-07
70.65
70.6
70.55
70.5
70.45
70.4
70.35
70.3
70.25
70.2
0
10000
20000
30000
40000
50000
60000

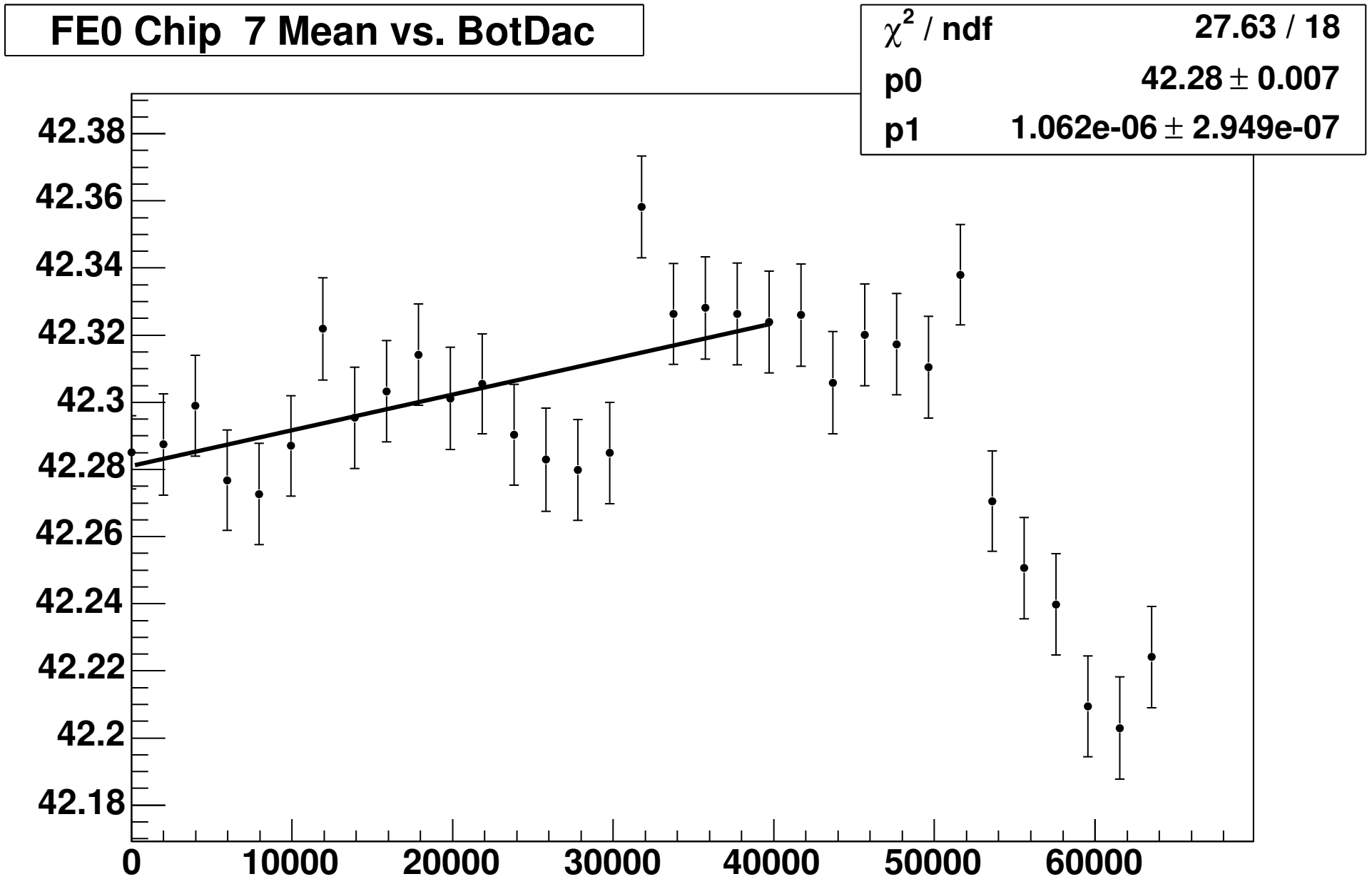

FE0 Chip 5 Rms vs. TopDac
χ² / ndf 11.76 / 18
p0 1.439 ± 0.003701
p1 3.546e-06 ± 2.011e-06
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
0
10000
20000
30000
40000
50000
60000

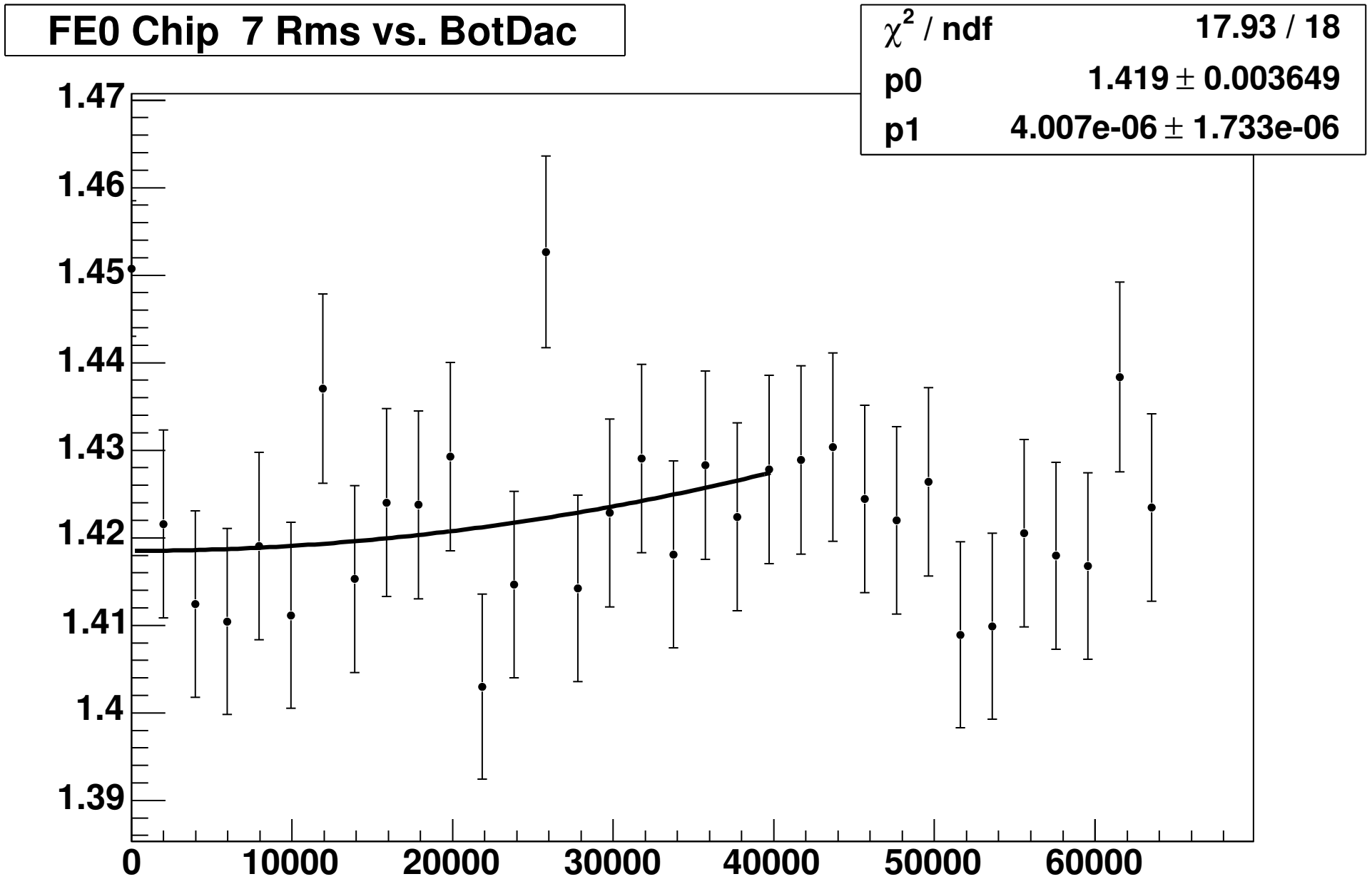

FE0 Chip 6 Mean vs. BotDac
χ² / ndf 30.14 / 18
p0 39.85 ± 0.007179
p1 1e-06 ± 3.025e-07
39.95
39.9
39.85
39.8
39.75
0
10000
20000
30000
40000
50000
60000

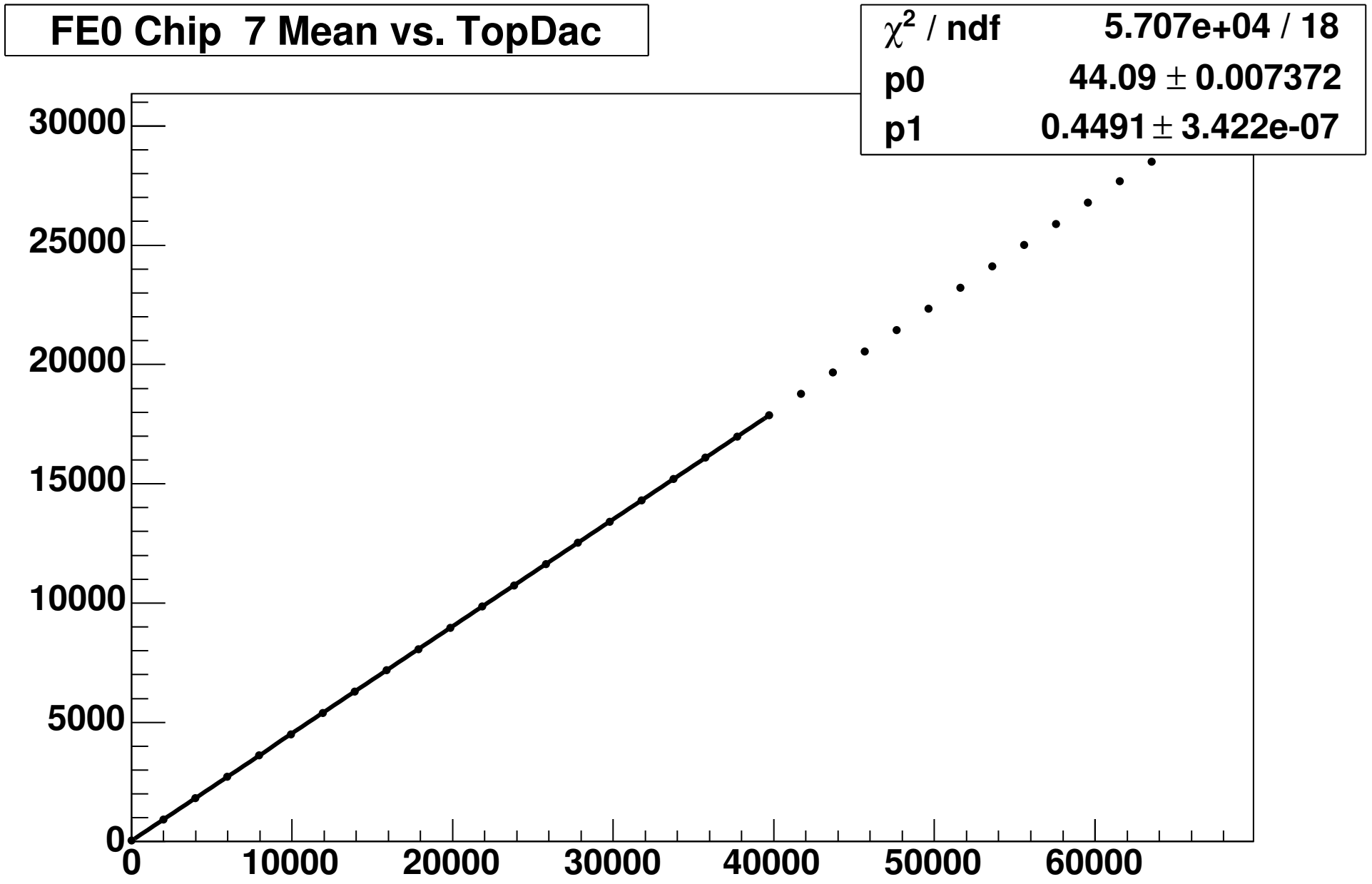

FE0 Chip 6 Rms vs. BotDac
χ^2 / ndf 9.471 / 18
p0 1.456 ± 0.003744
p1 4.426e-06 ± 1.653e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Mean vs. TopDac
χ² / ndf 7.463e+04 / 18
p0 42.01 ± 0.007306
p1 0.4492 ± 3.395e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 6 Rms vs. TopDac
χ² / ndf 533.5 / 18
p0 1.357 ± 0.003954
p1 3.448e-05 ± 2.802e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. BotDac
χ² / ndf 27.63 / 18
p0 42.28 ± 0.007
p1 1.062e-06 ± 2.949e-07
42.38
42.36
42.34
42.32
42.3
42.28
42.26
42.24
42.22
42.2
42.18
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. BotDac
χ² / ndf 17.93 / 18
p0 1.419 ± 0.003649
p1 4.007e-06 ± 1.733e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Mean vs. TopDac
χ² / ndf 5.707e+04 / 18
p0 44.09 ± 0.007372
p1 0.4491 ± 3.422e-07
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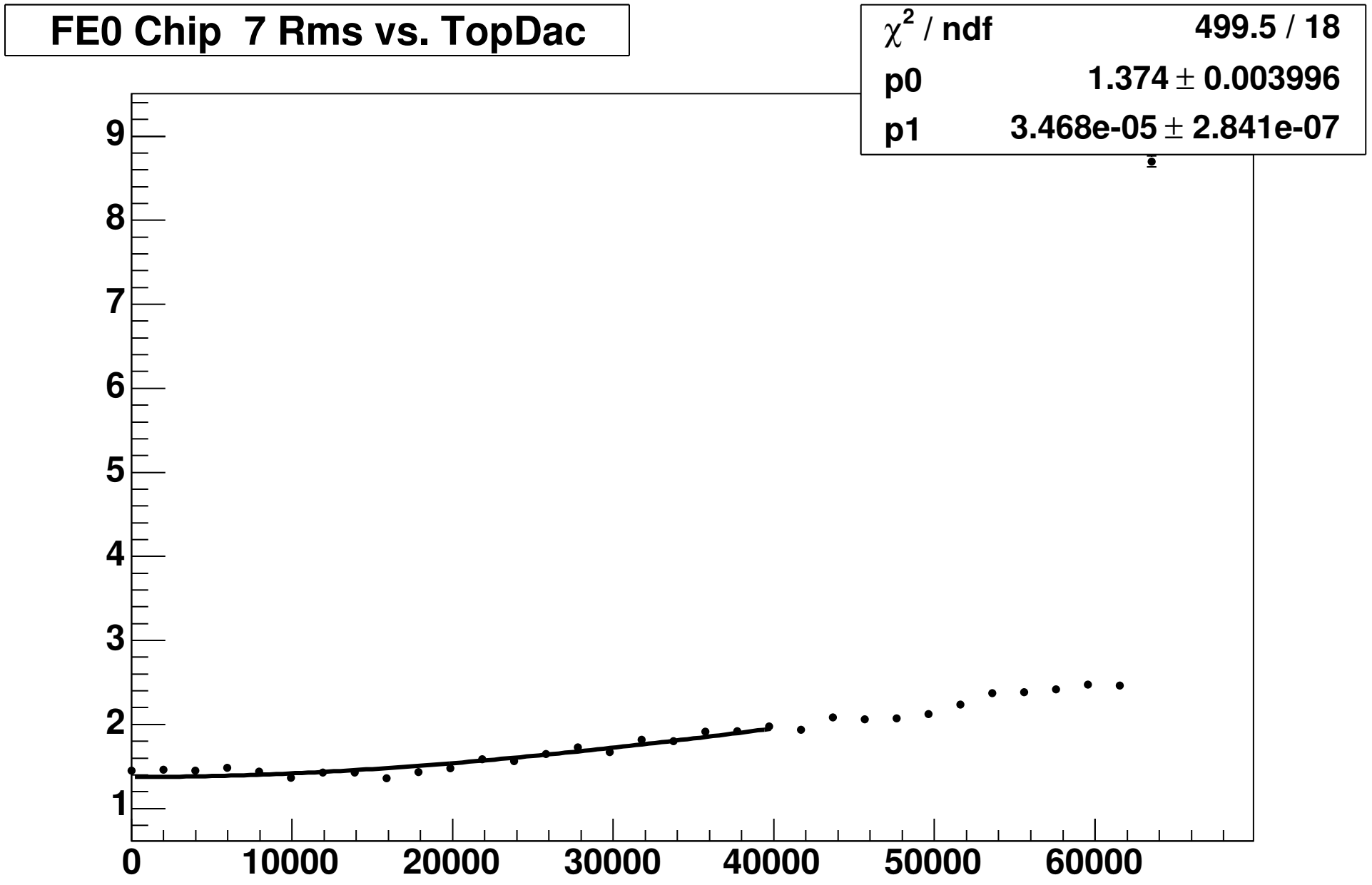
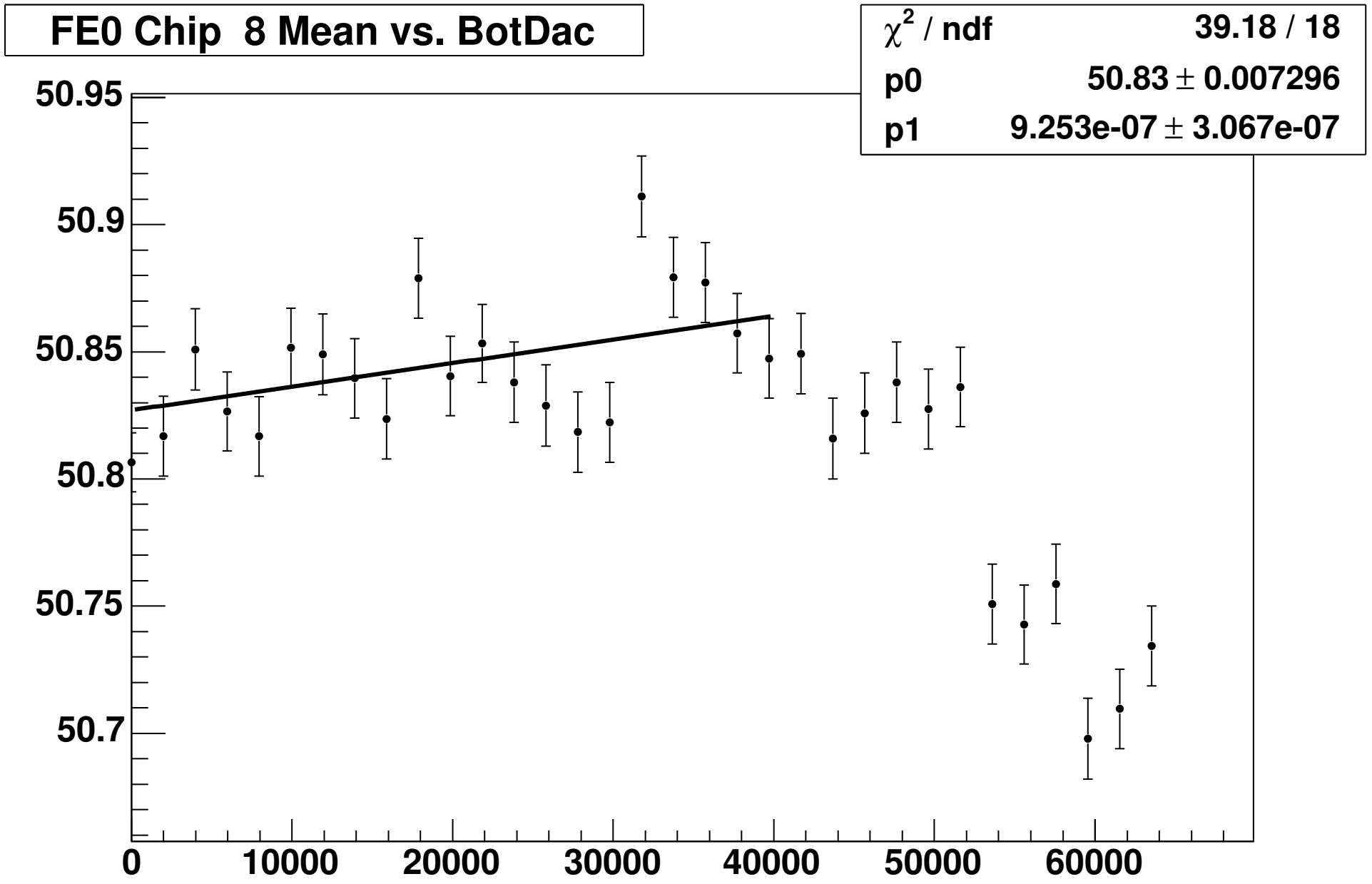
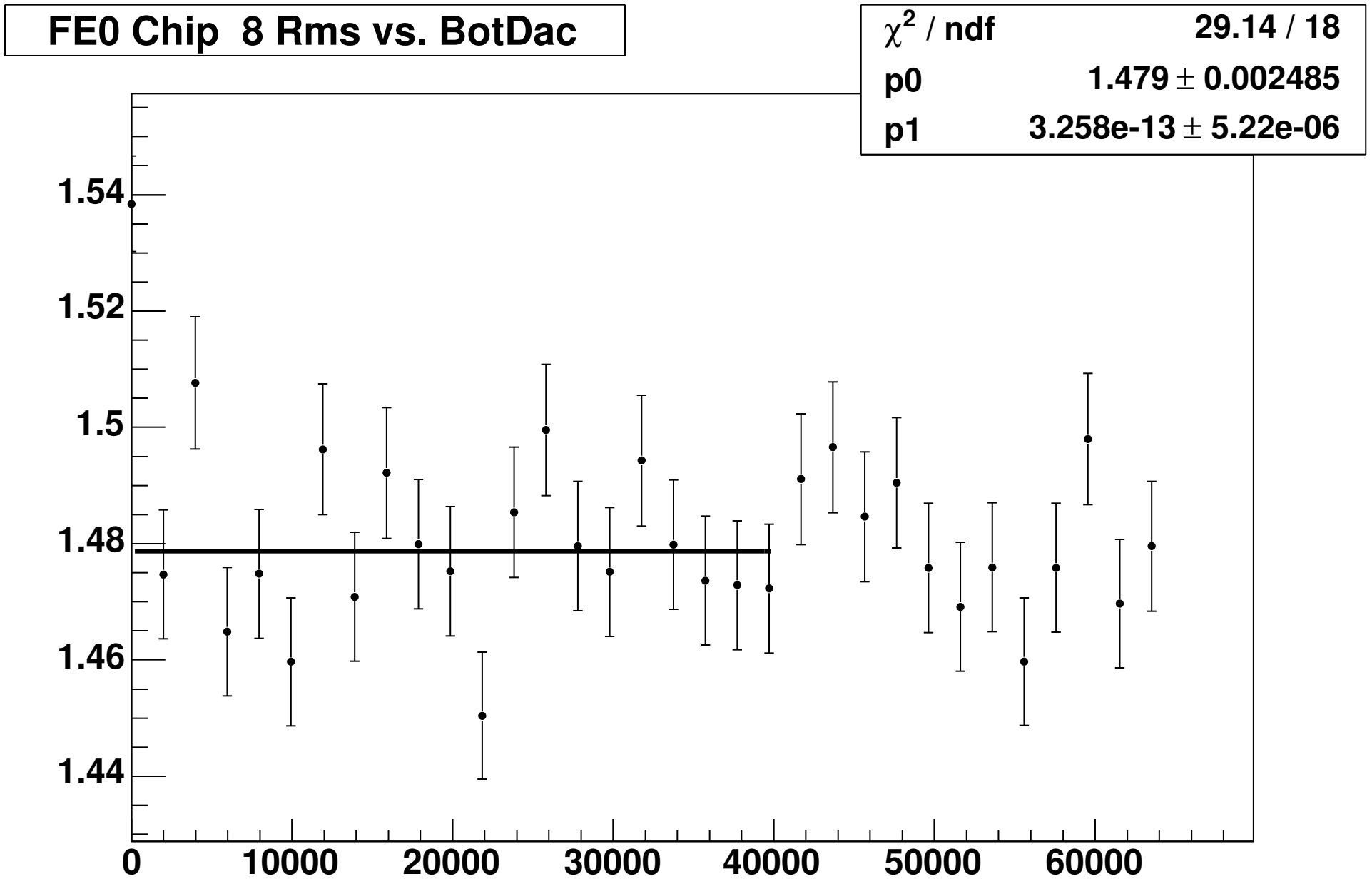
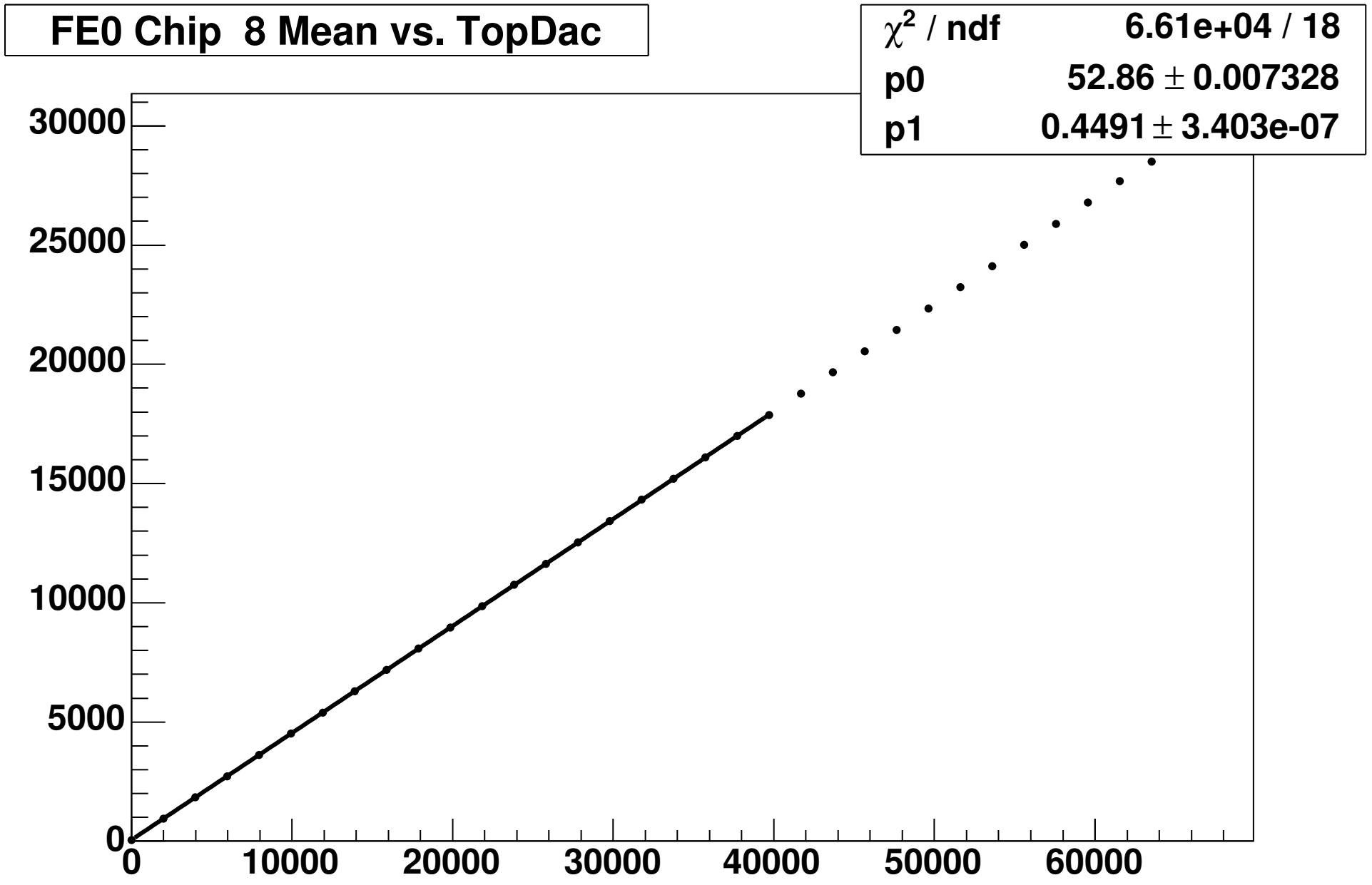
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 7 Rms vs. TopDac
χ² / ndf 499.5 / 18
p0 1.374 ± 0.003996
p1 3.468e-05 ± 2.841e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. BotDac
χ² / ndf 39.18 / 18
p0 50.83 ± 0.007296
p1 9.253e-07 ± 3.067e-07
50.95
50.9
50.85
50.8
50.75
50.7
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. BotDac
χ² / ndf 29.14 / 18
p0 1.479 ± 0.002485
p1 3.258e-13 ± 5.22e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Mean vs. TopDac
χ² / ndf 6.61e+04 / 18
p0 52.86 ± 0.007328
p1 0.4491 ± 3.403e-07
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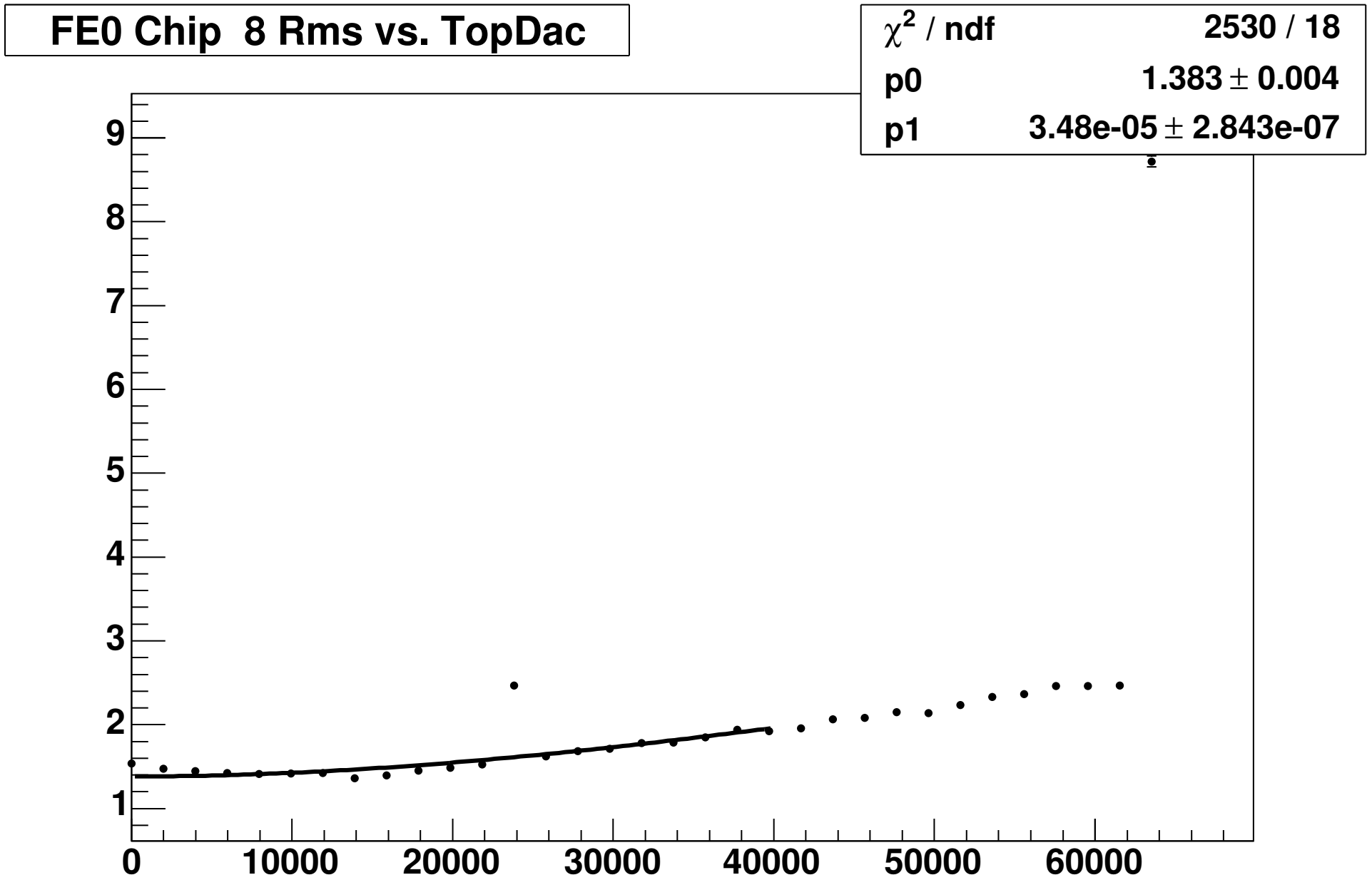
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 8 Rms vs. TopDac
χ² / ndf 2530 / 18
p0 1.383 ± 0.004
p1 3.48e-05 ± 2.843e-07
9
8
7
6
5
4
3
2
1
0
10000
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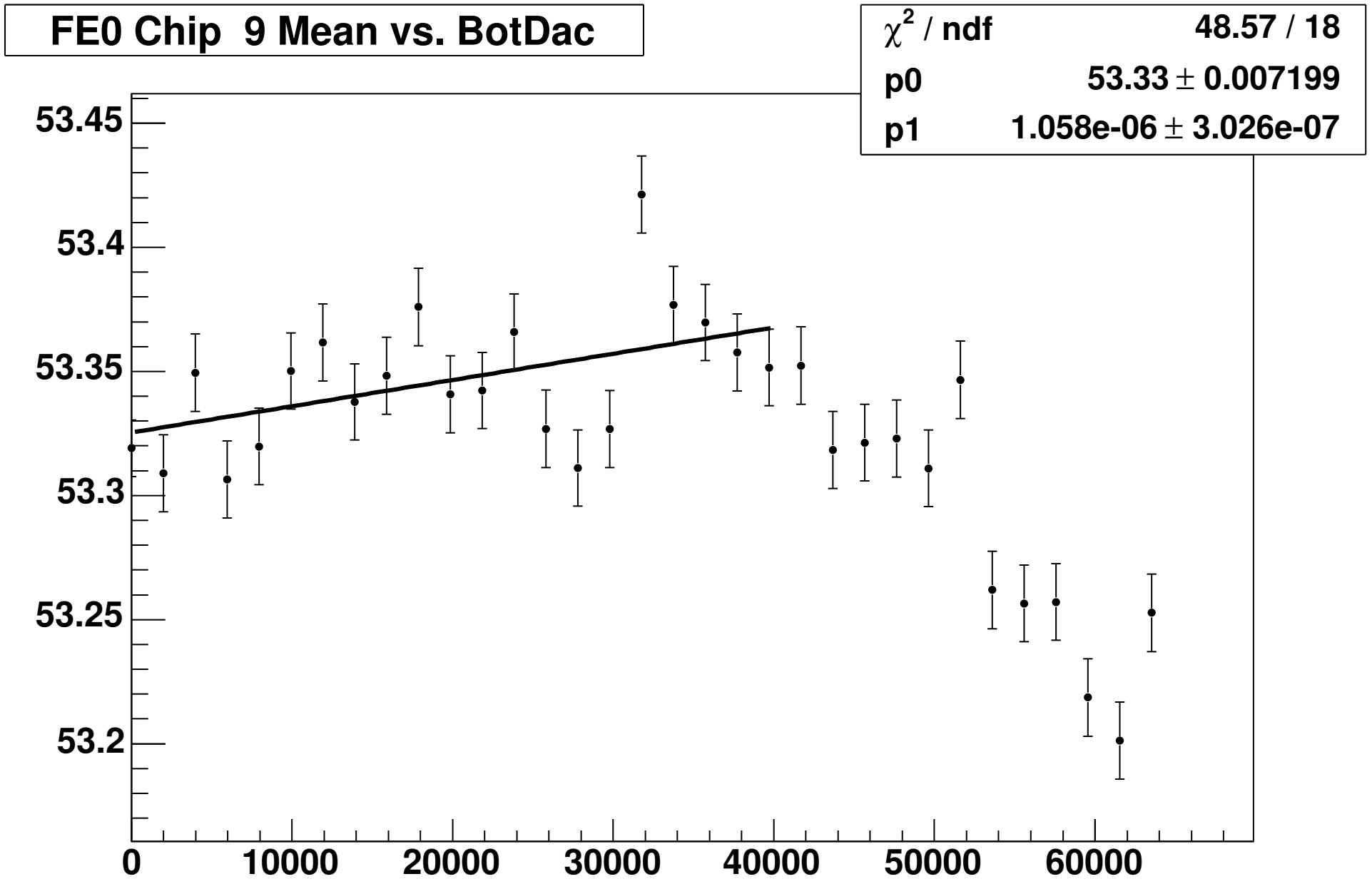
60000


FE0 Chip 9 Mean vs. BotDac
χ² / ndf 48.57 / 18
p0 53.33 ± 0.007199
p1 1.058e-06 ± 3.026e-07
53.45
53.4
53.35
53.3
53.25
53.2
0
10000
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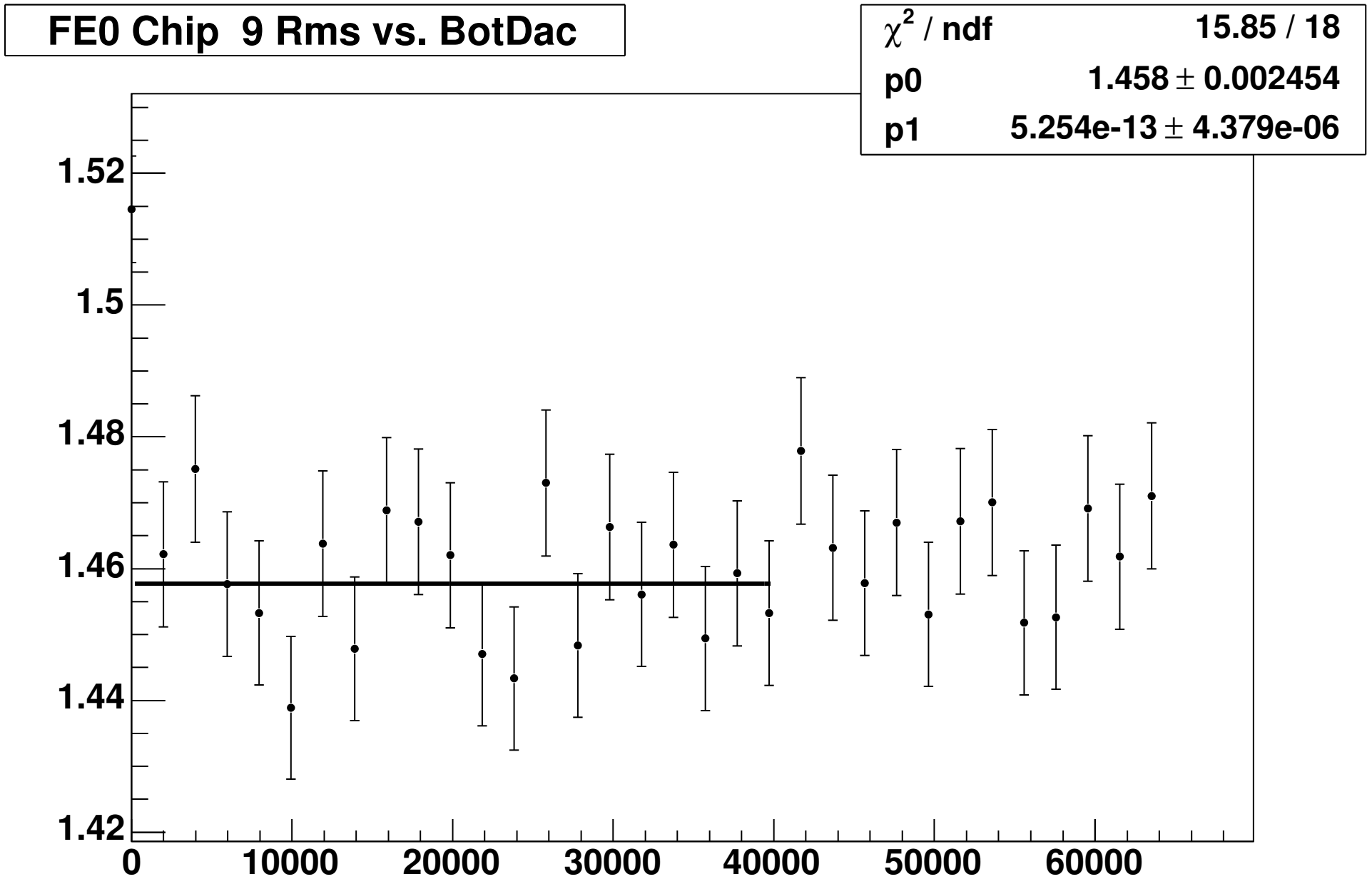
50000
60000


FE0 Chip 9 Rms vs. BotDac
χ² / ndf 15.85 / 18
p0 1.458 ± 0.002454
p1 5.254e-13 ± 4.379e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
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50000
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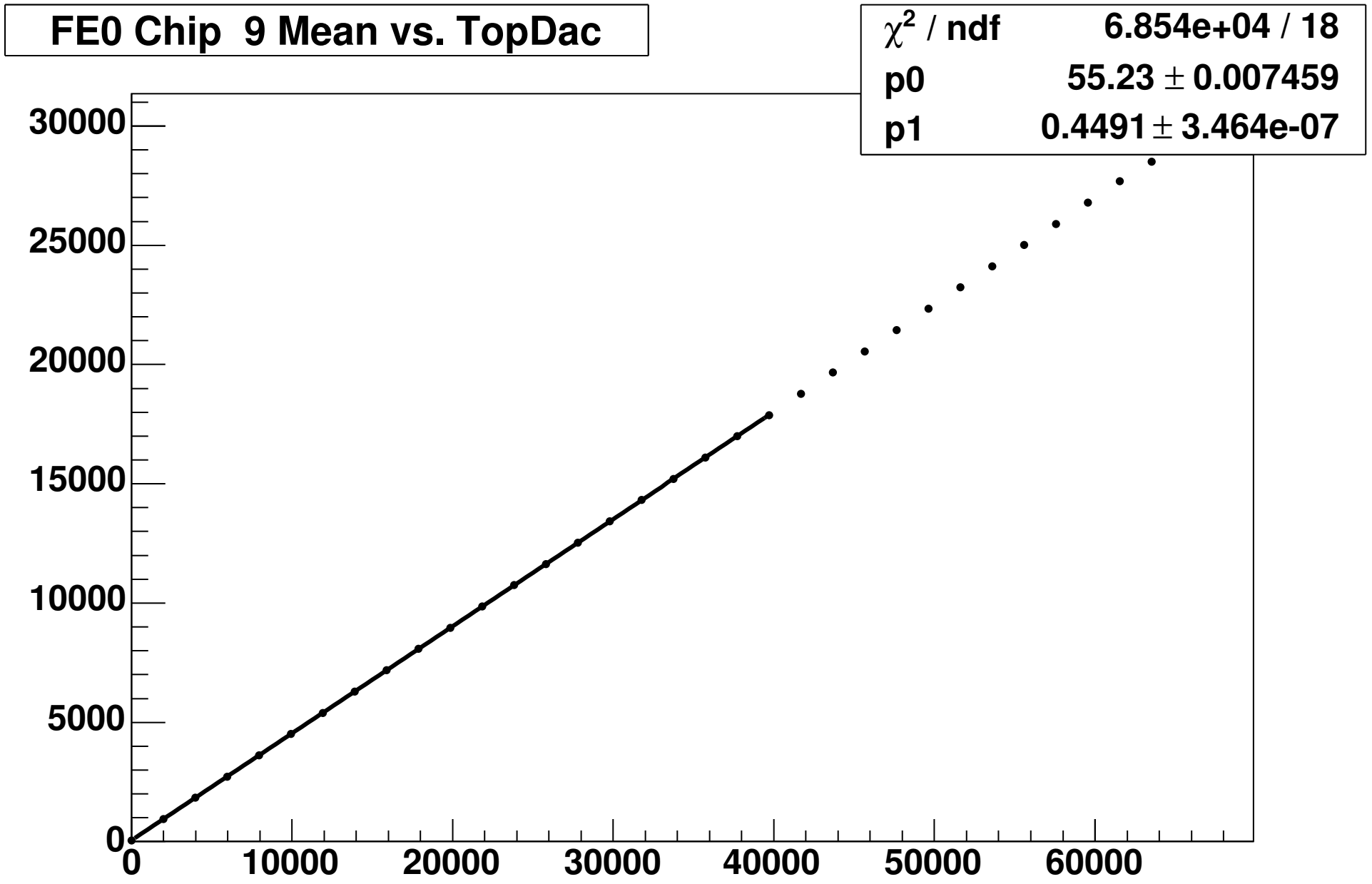
FE0 Chip 9 Mean vs. TopDac
χ² / ndf 6.854e+04 / 18
p0 55.23 ± 0.007459
p1 0.4491 ± 3.464e-07
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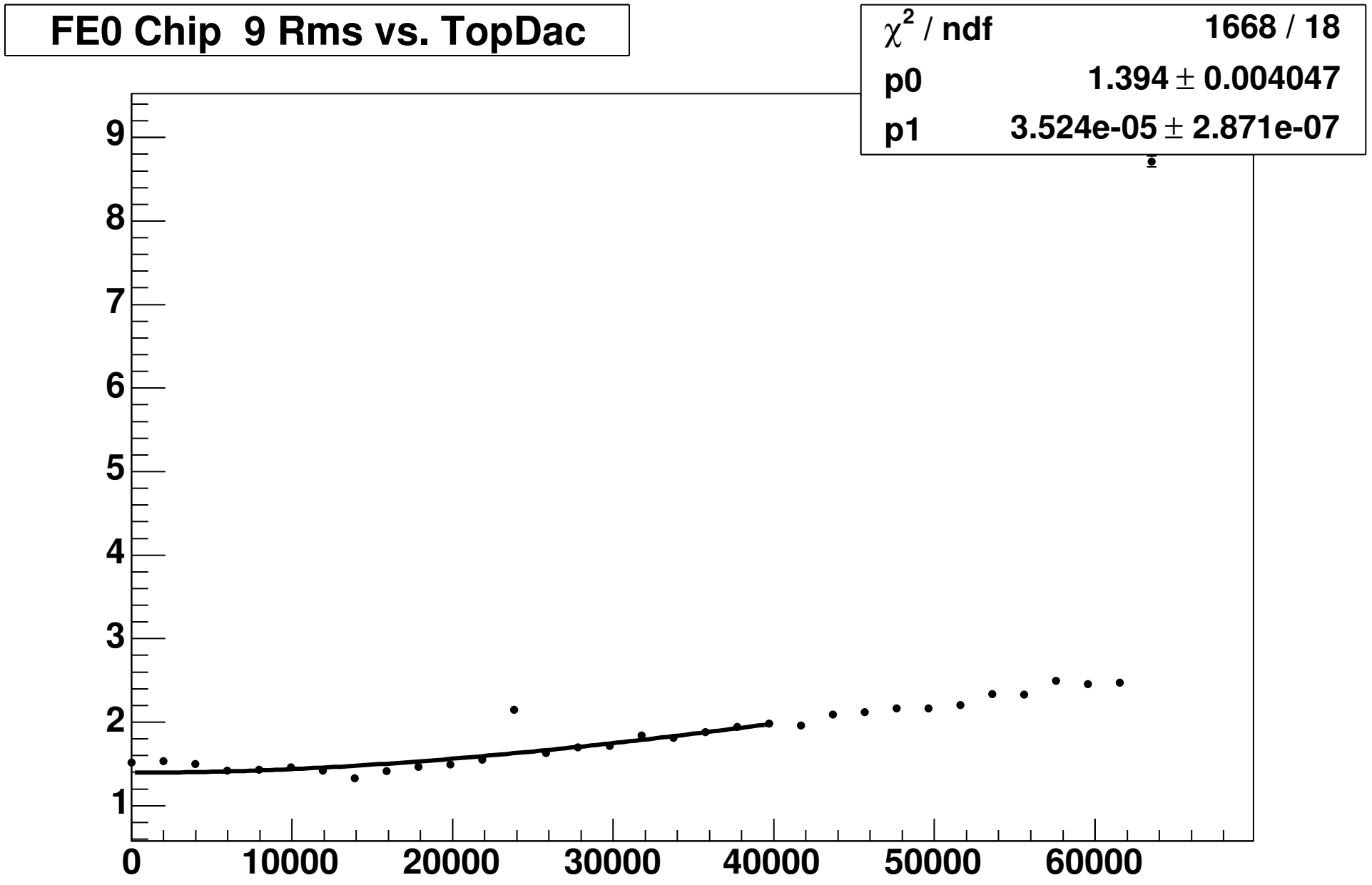
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 9 Rms vs. TopDac
χ² / ndf 1668 / 18
p0 1.394 ± 0.004047
p1 3.524e-05 ± 2.871e-07
9
8
7
6
5
4
3
2
1
0
10000
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30000
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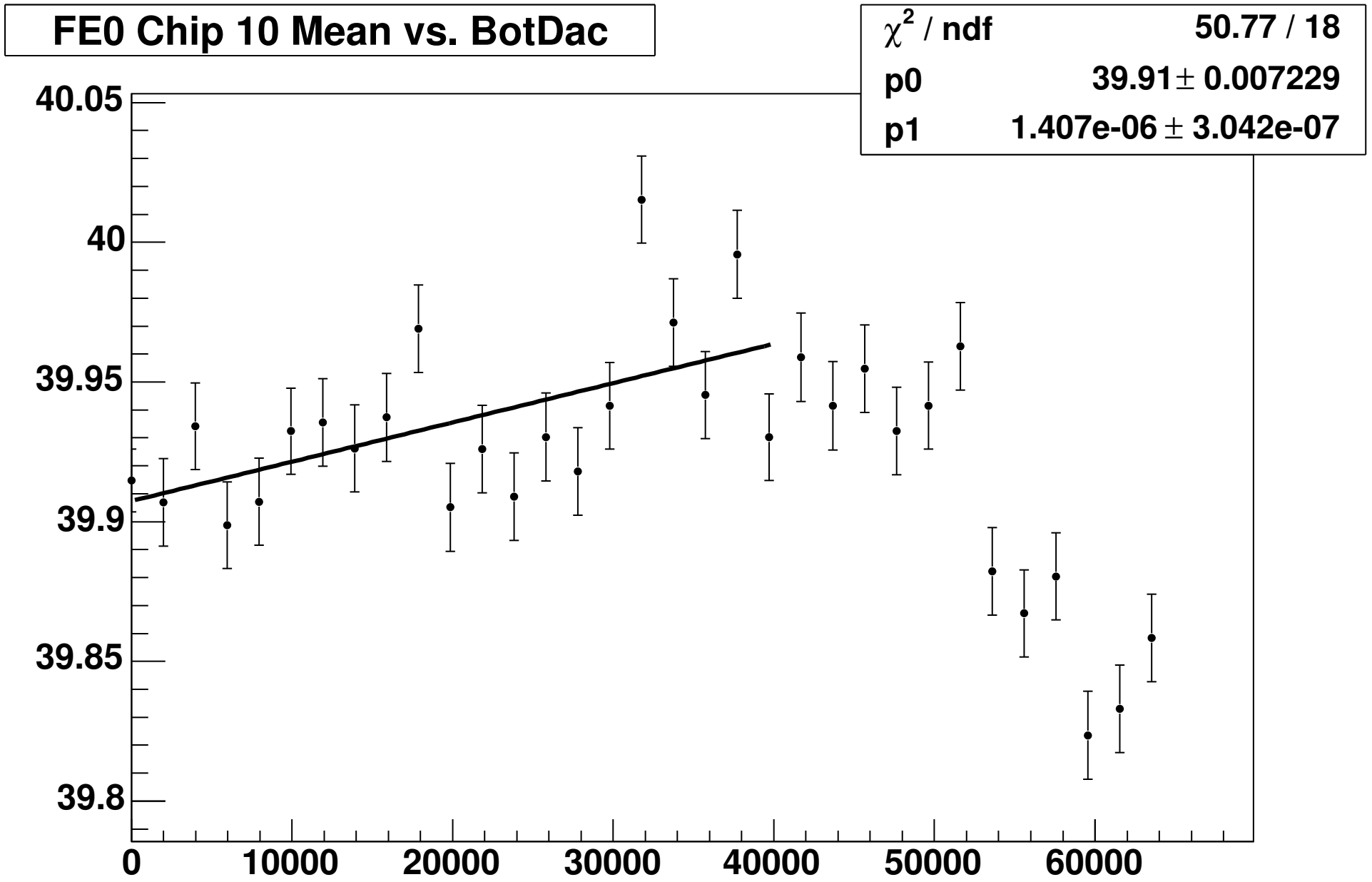
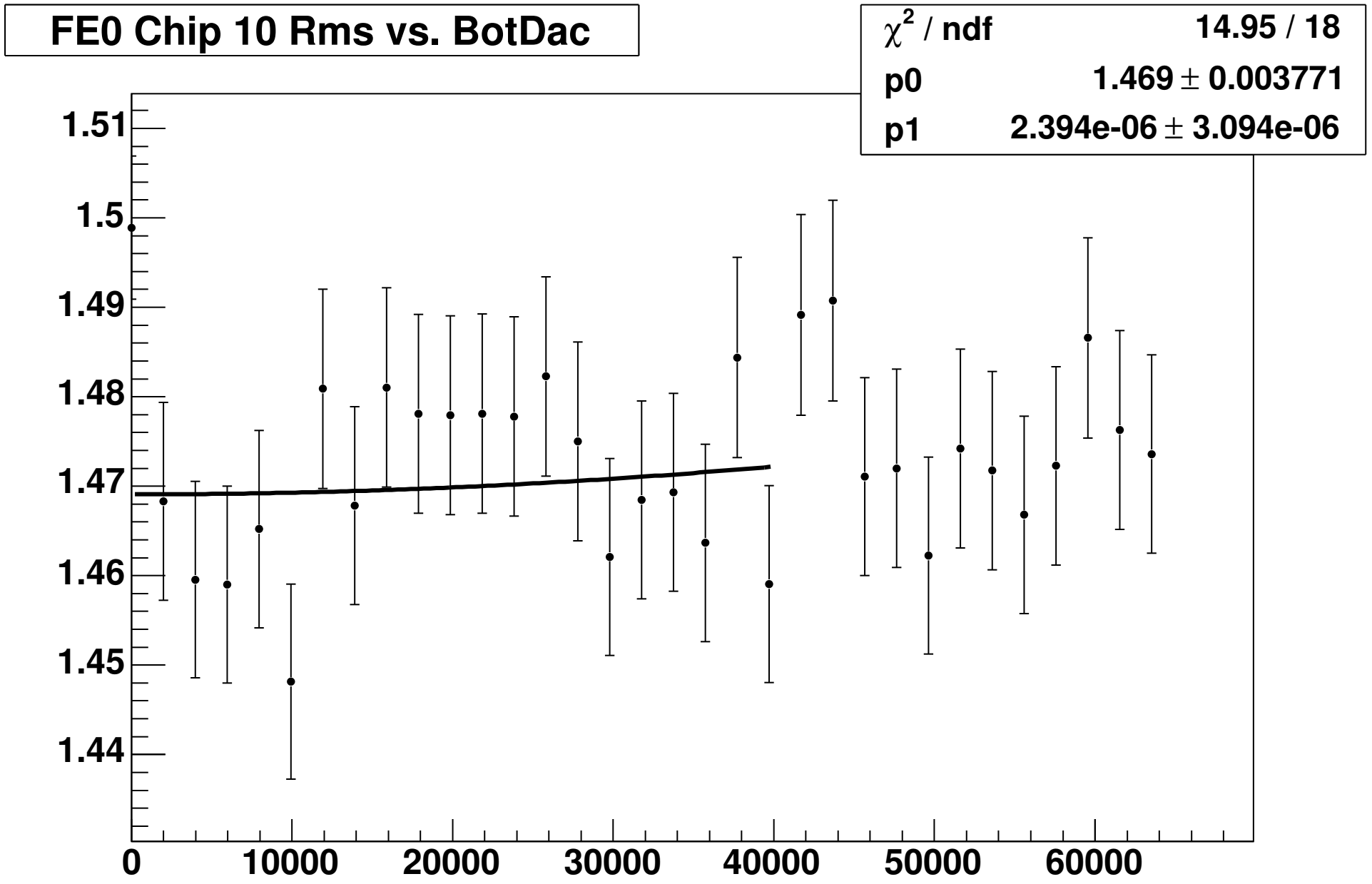
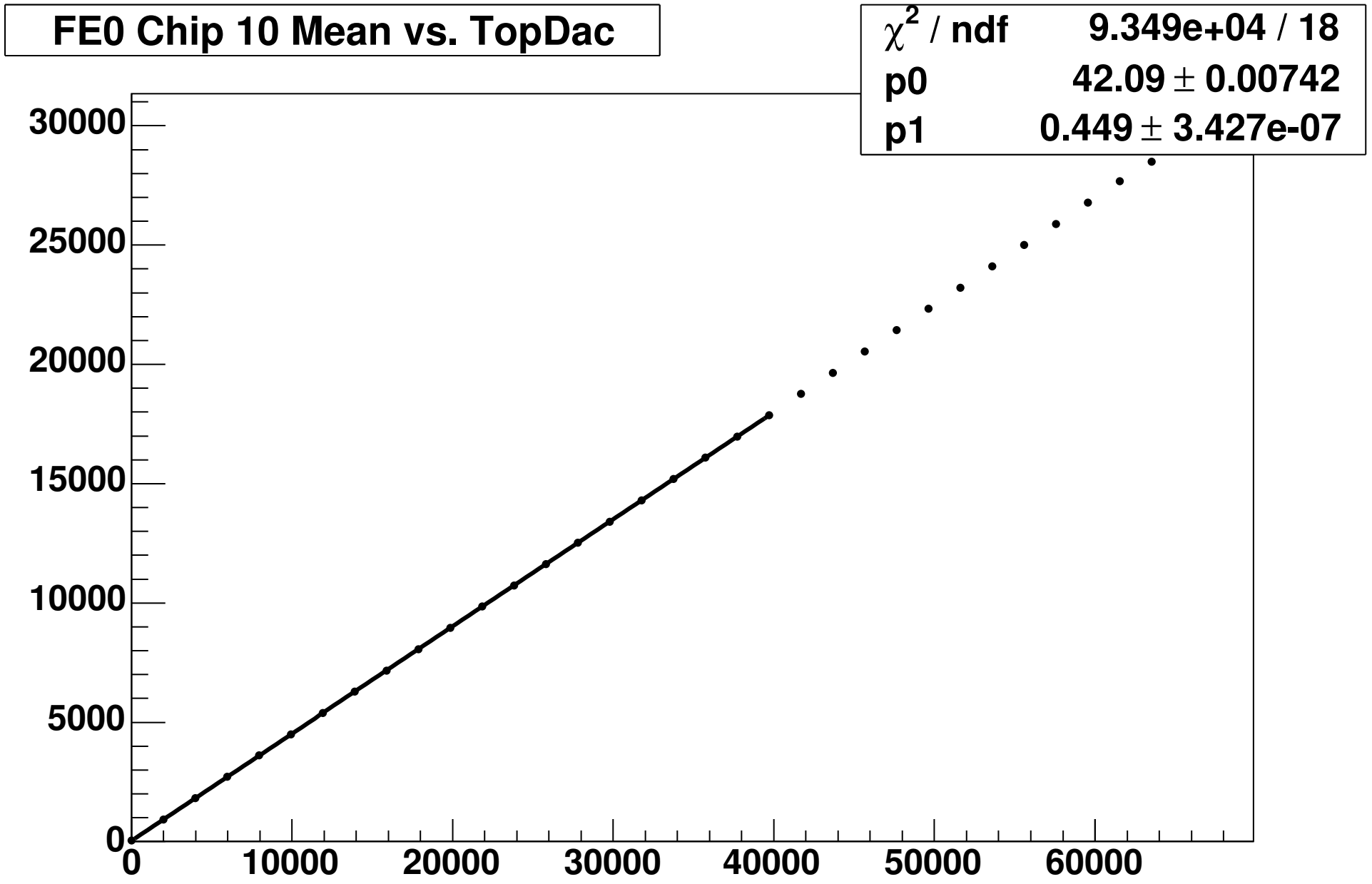
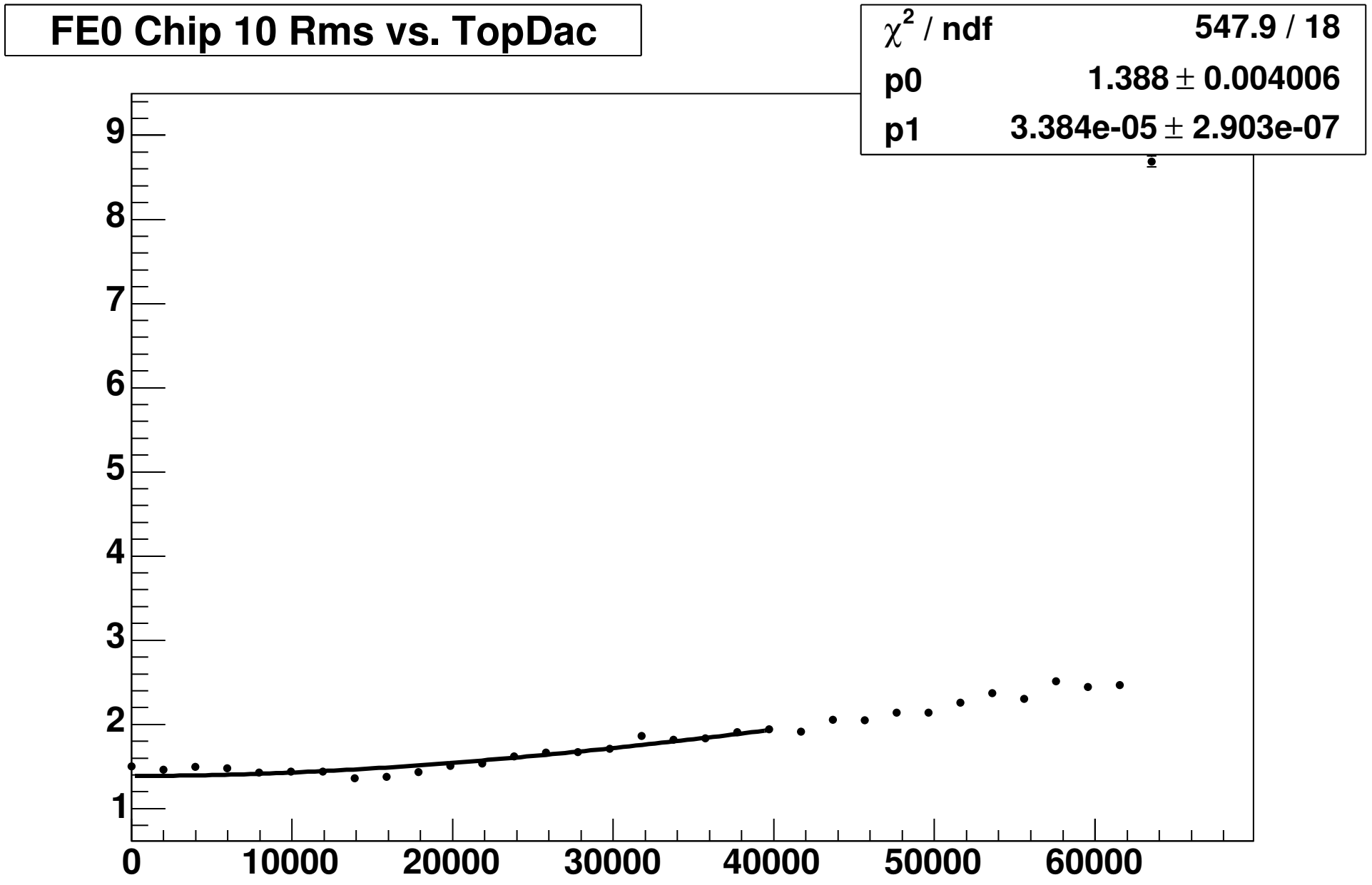

FE0 Chip 10 Mean vs. BotDac
χ² / ndf 50.77 / 18
p0 39.91 ± 0.007229
p1 1.407e-06 ± 3.042e-07
40.05
40
39.95
39.9
39.85
39.8
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. BotDac
χ² / ndf 14.95 / 18
p0 1.469 ± 0.003771
p1 2.394e-06 ± 3.094e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Mean vs. TopDac
χ² / ndf 9.349e+04 / 18
p0 42.09 ± 0.00742
p1 0.449 ± 3.427e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE0 Chip 10 Rms vs. TopDac
χ² / ndf 547.9 / 18
p0 1.388 ± 0.004006
p1 3.384e-05 ± 2.903e-07
9
8
7
6
5
4
3
2
1
0
10000
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30000
40000
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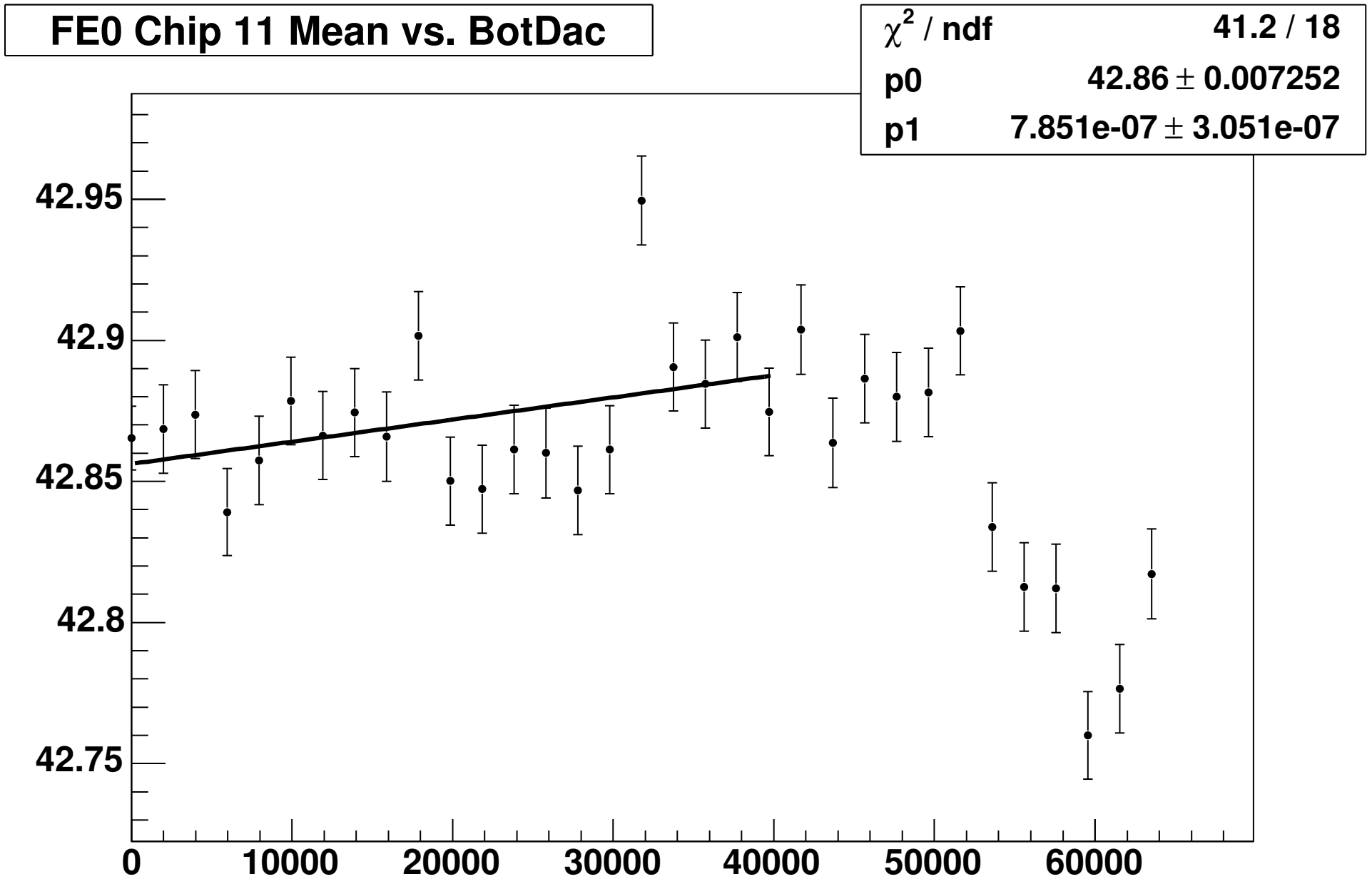
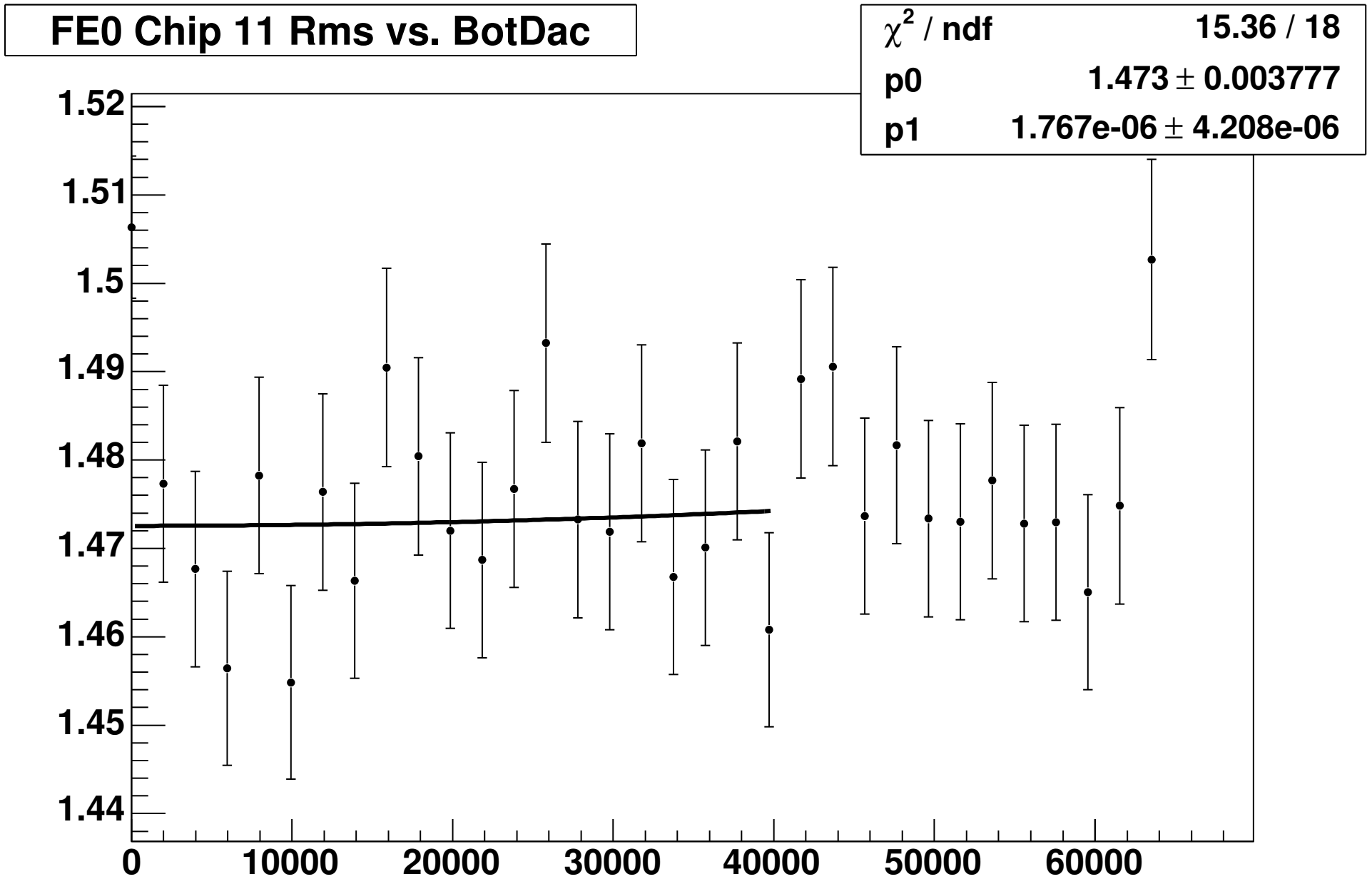
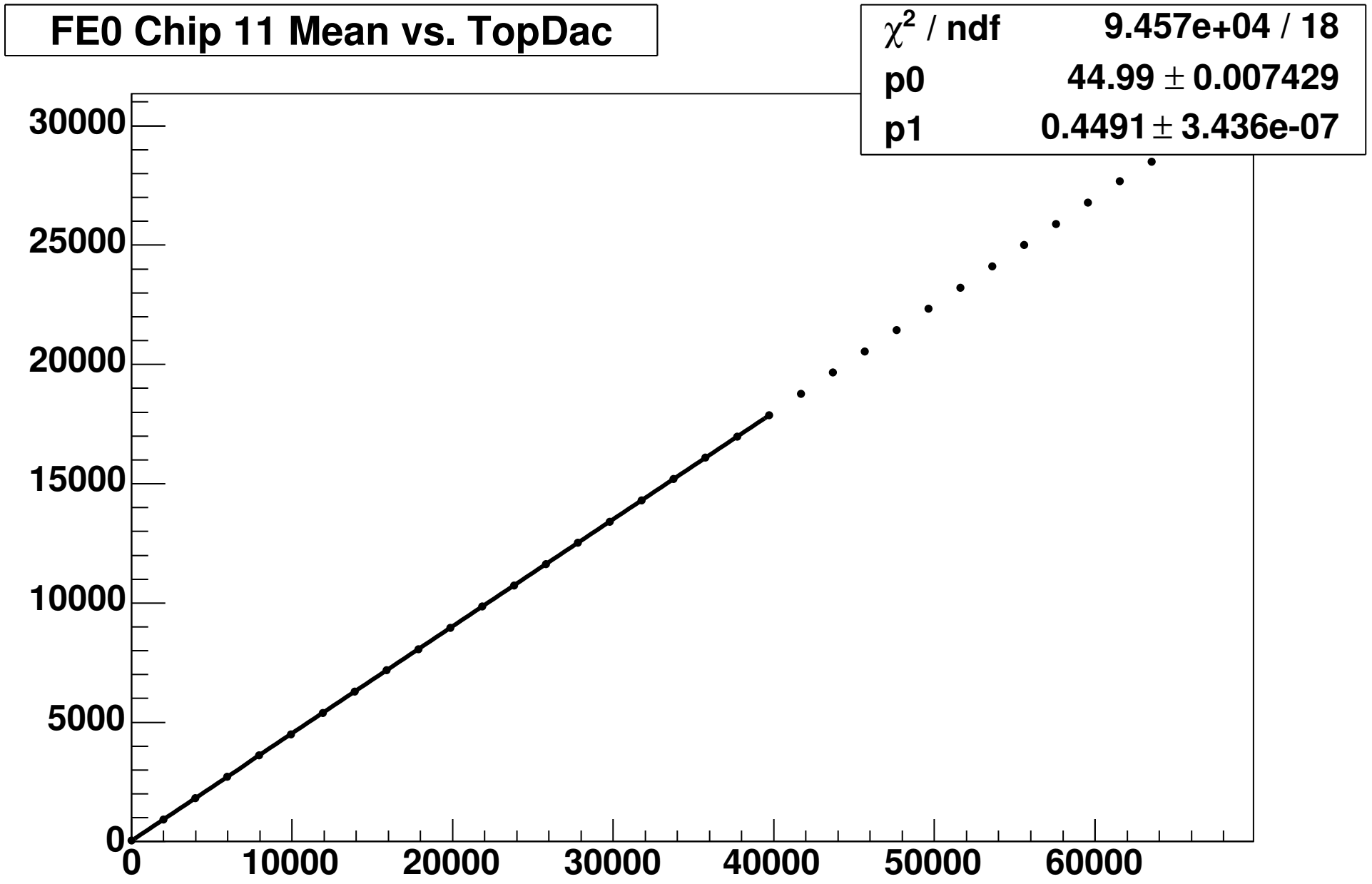
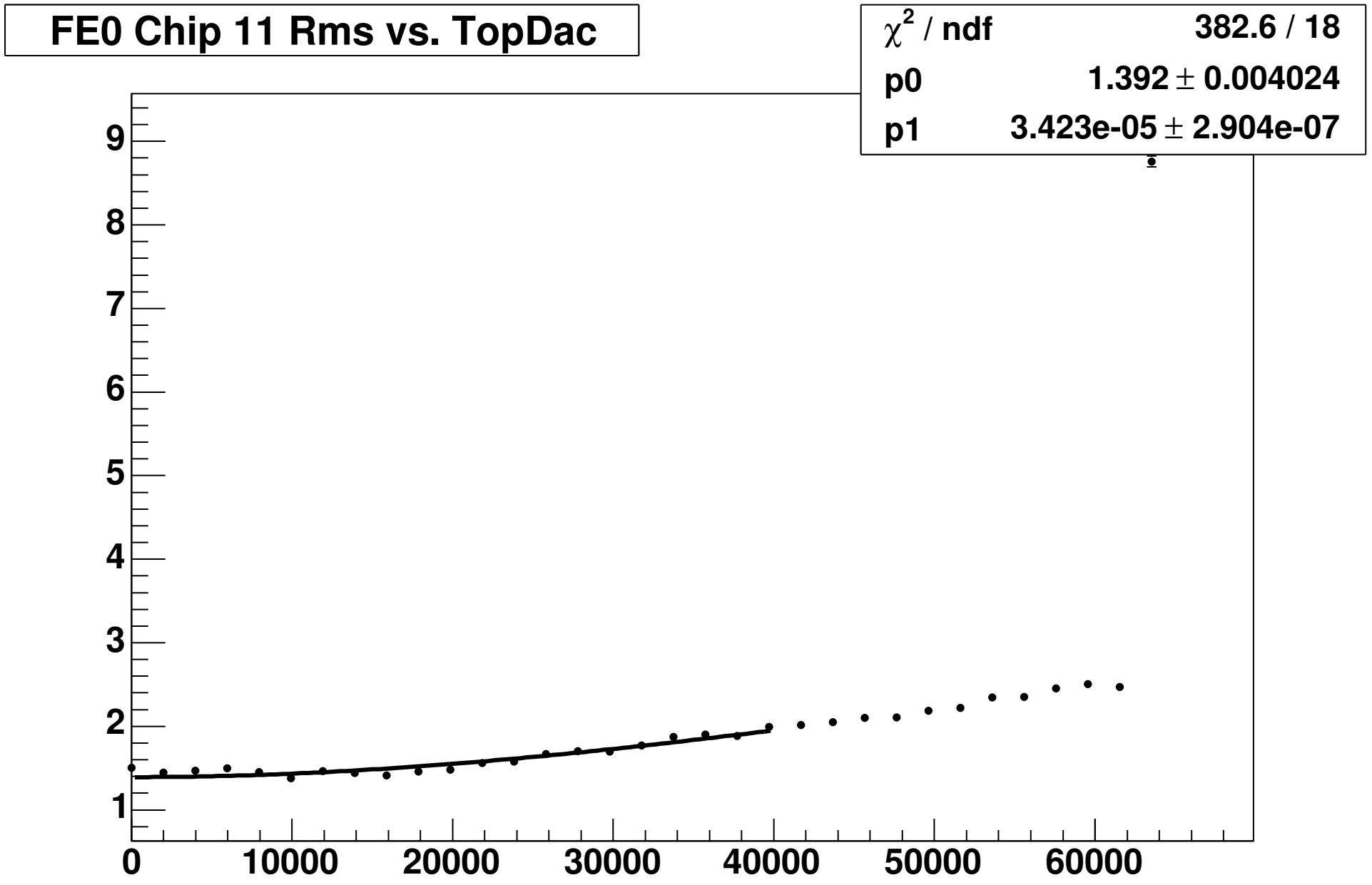
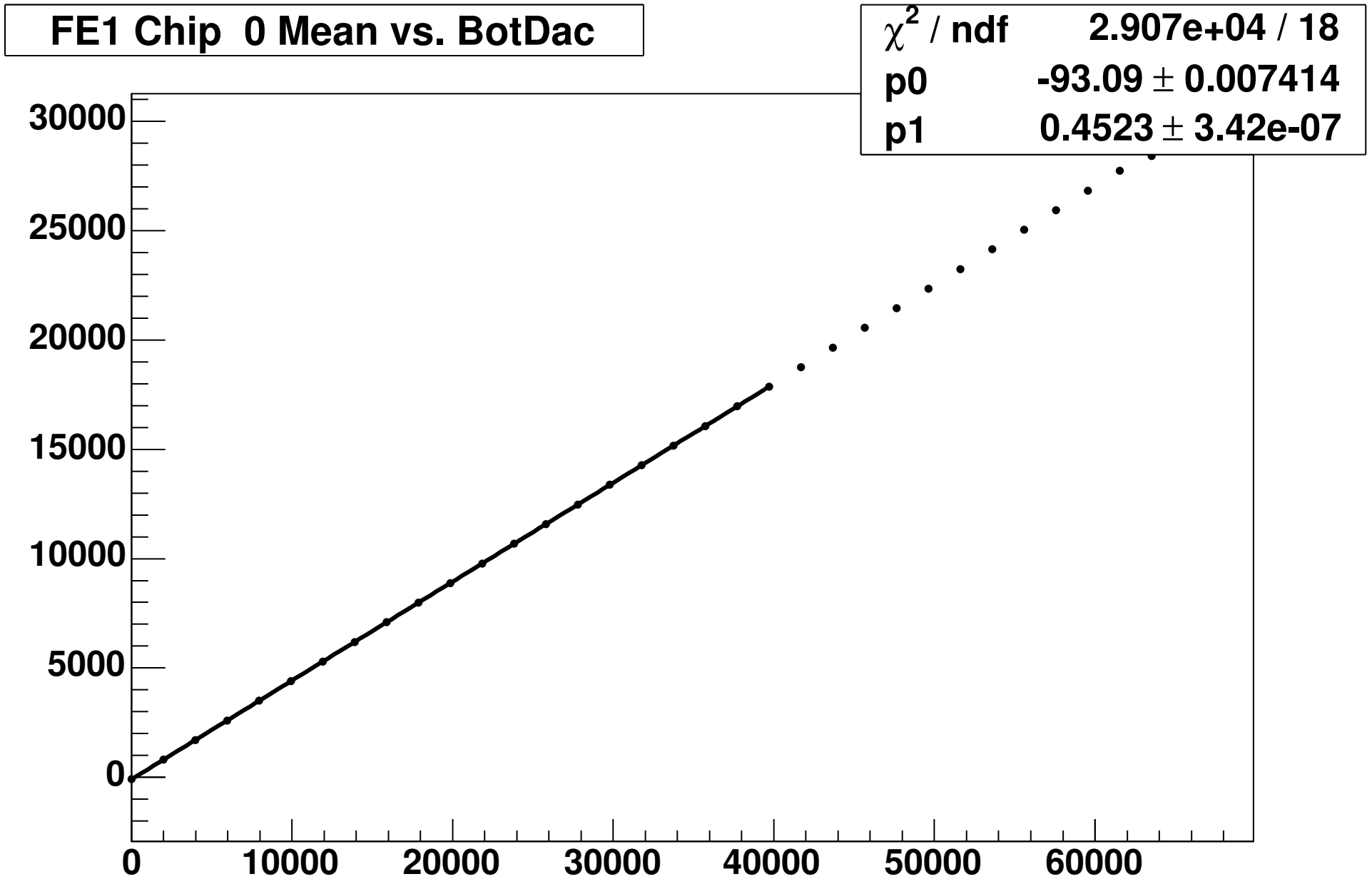
60000

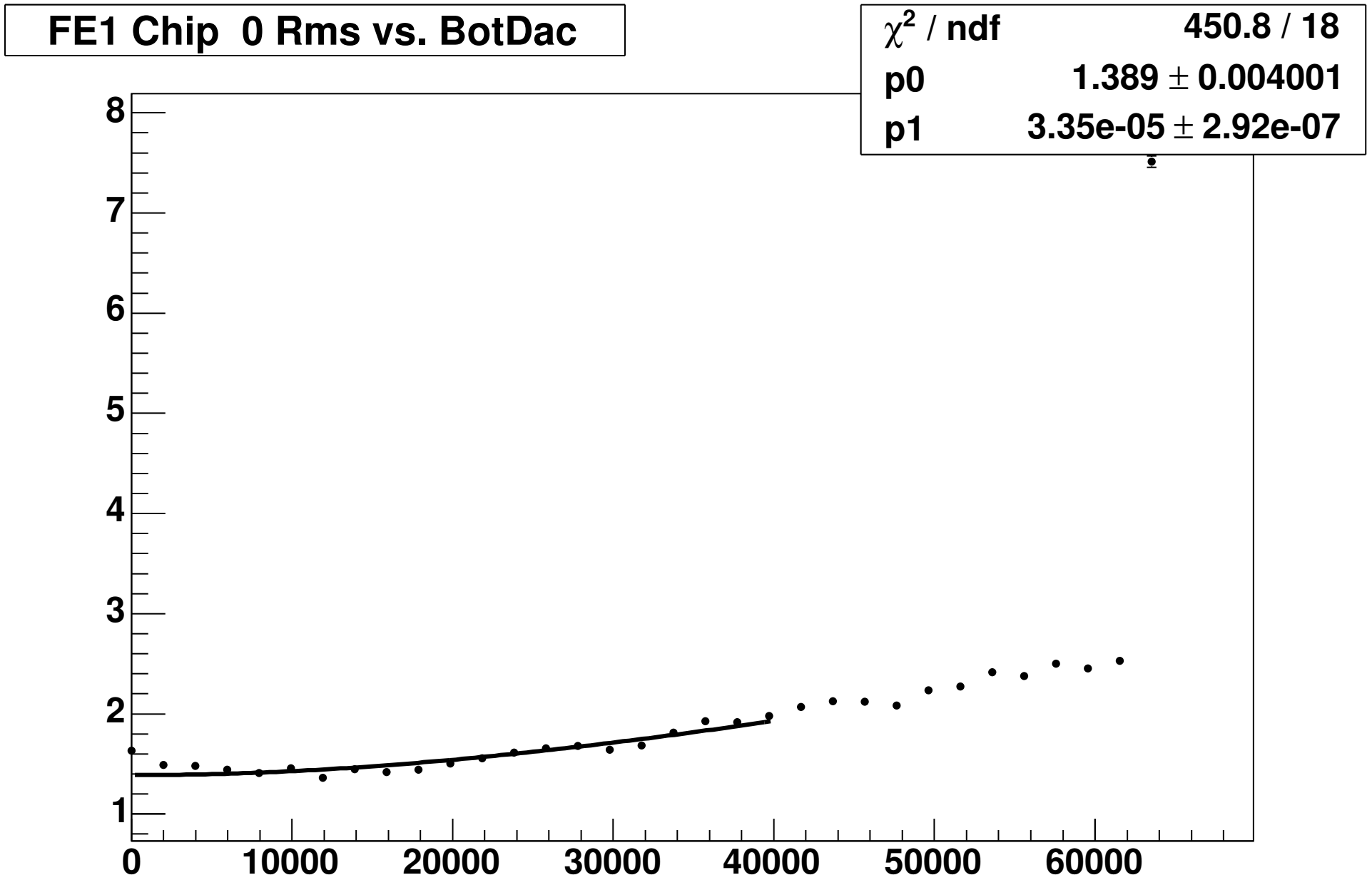

FE0 Chip 11 Mean vs. BotDac
χ² / ndf 41.2 / 18
p0 42.86 ± 0.007252
p1 7.851e-07 ± 3.051e-07
42.95
42.9
42.85
42.8
42.75
0
10000
20000
30000
40000
50000
60000

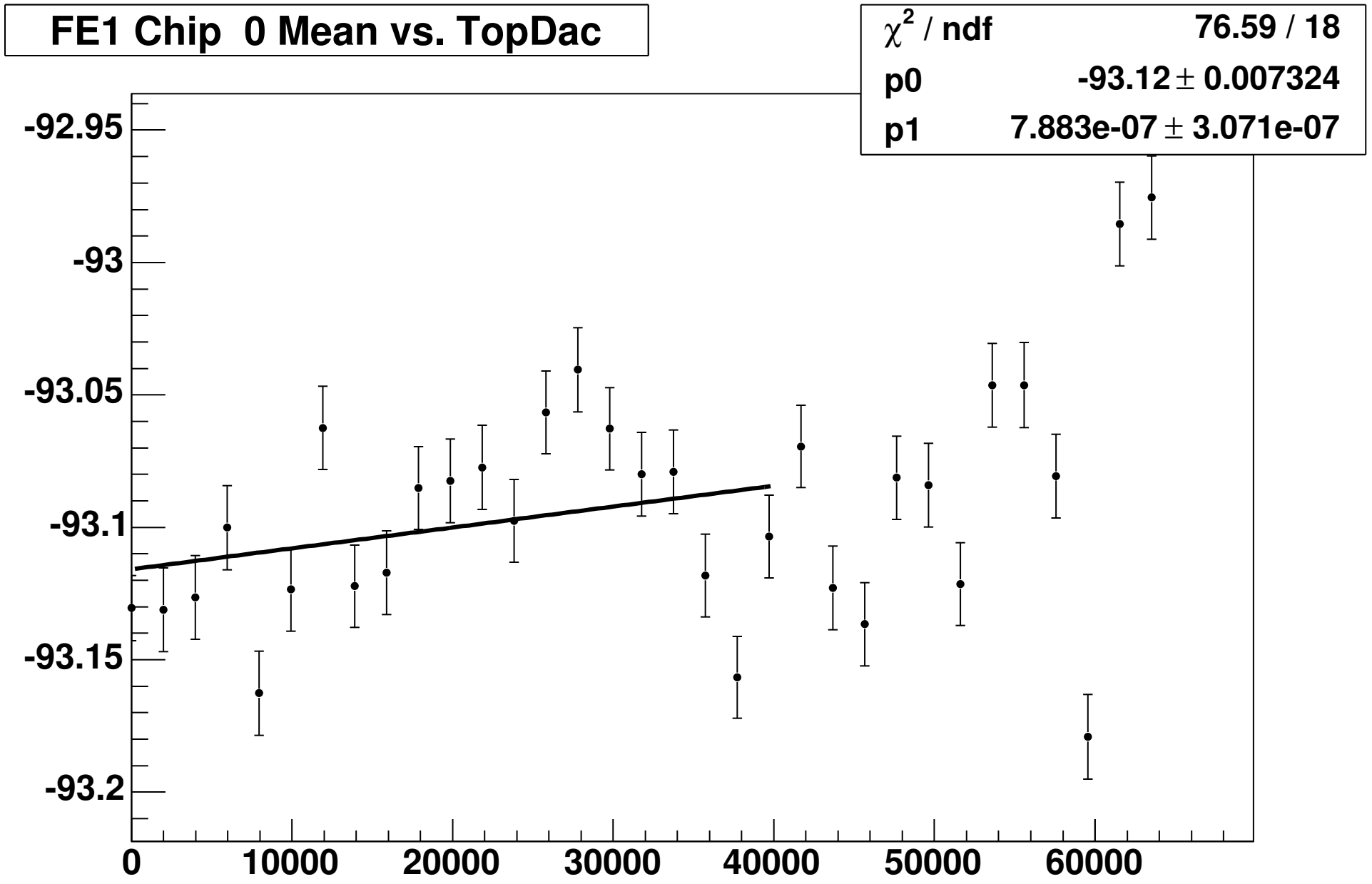

FE0 Chip 11 Rms vs. BotDac
χ² / ndf 15.36 / 18
p0 1.473 ± 0.003777
p1 1.767e-06 ± 4.208e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000

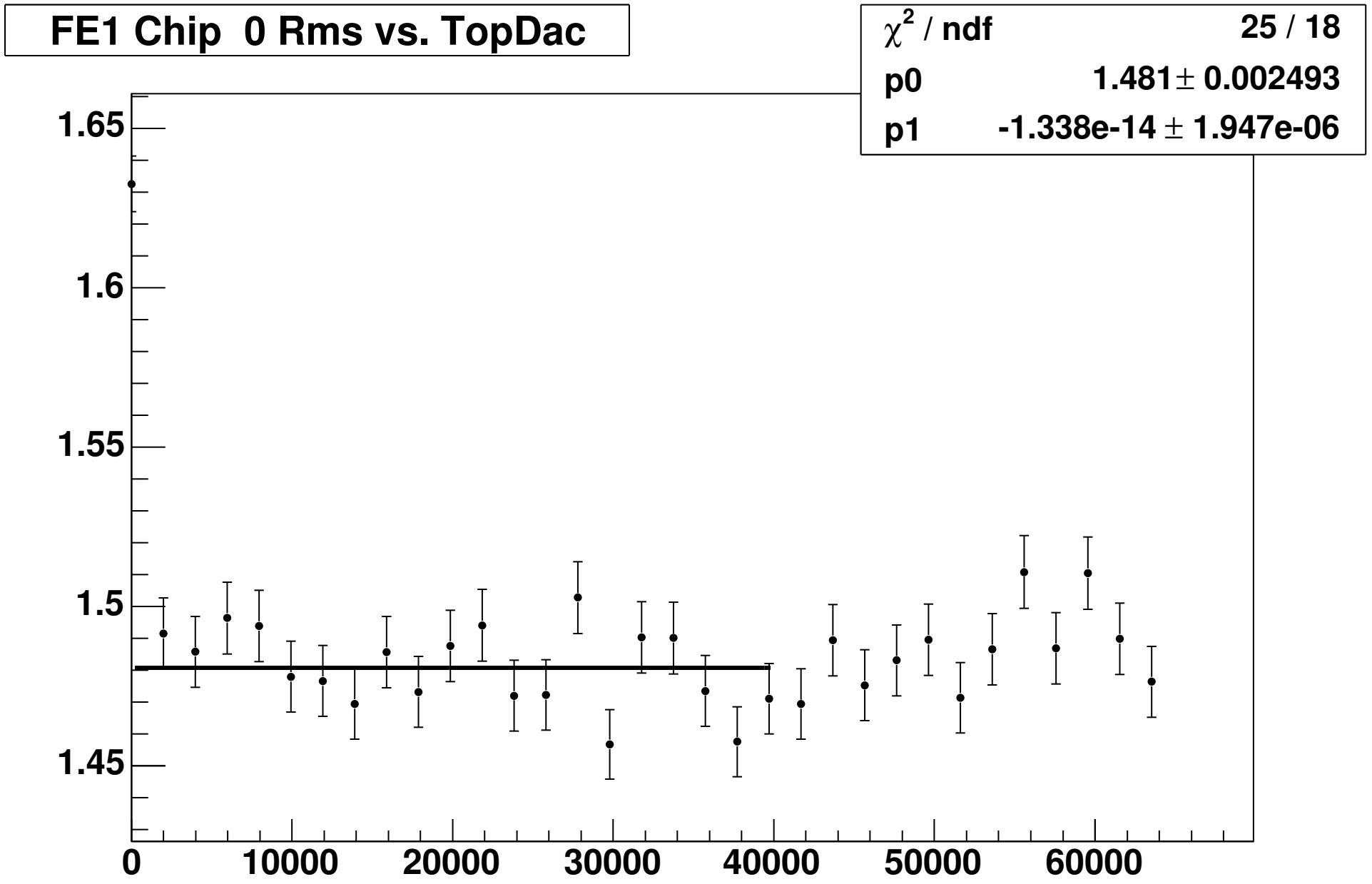

FE0 Chip 11 Mean vs. TopDac
χ² / ndf 9.457e+04 / 18
p0 44.99 ± 0.007429
p1 0.4491 ± 3.436e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

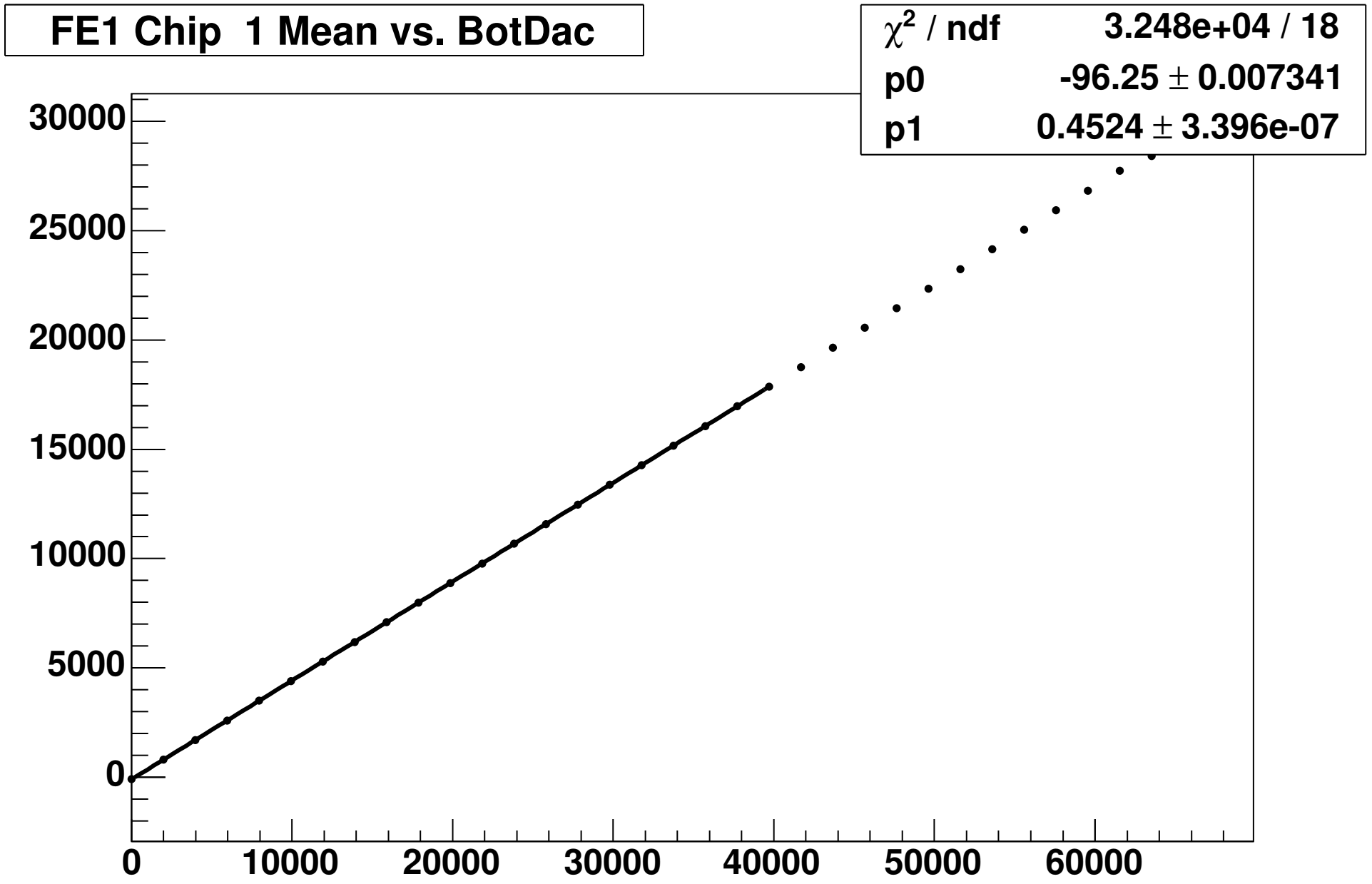

FE0 Chip 11 Rms vs. TopDac
χ² / ndf 382.6 / 18
p0 1.392 ± 0.004024
p1 3.423e-05 ± 2.904e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. BotDac
χ² / ndf 2.907e+04 / 18
p0 -93.09 ± 0.007414
p1 0.4523 ± 3.42e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. BotDac
χ² / ndf 450.8 / 18
p0 1.389 ± 0.004001
p1 3.35e-05 ± 2.92e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Mean vs. TopDac
χ² / ndf 76.59 / 18
p0 -93.12 ± 0.007324
p1 7.883e-07 ± 3.071e-07
-92.95
-93
-93.05
-93.1
-93.15
-93.2
0
10000
20000
30000
40000
50000
60000


FE1 Chip 0 Rms vs. TopDac
χ² / ndf 25 / 18
p0 1.481 ± 0.002493
p1 -1.338e-14 ± 1.947e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Mean vs. BotDac
χ² / ndf 3.248e+04 / 18
p0 -96.25 ± 0.007341
p1 0.4524 ± 3.396e-07
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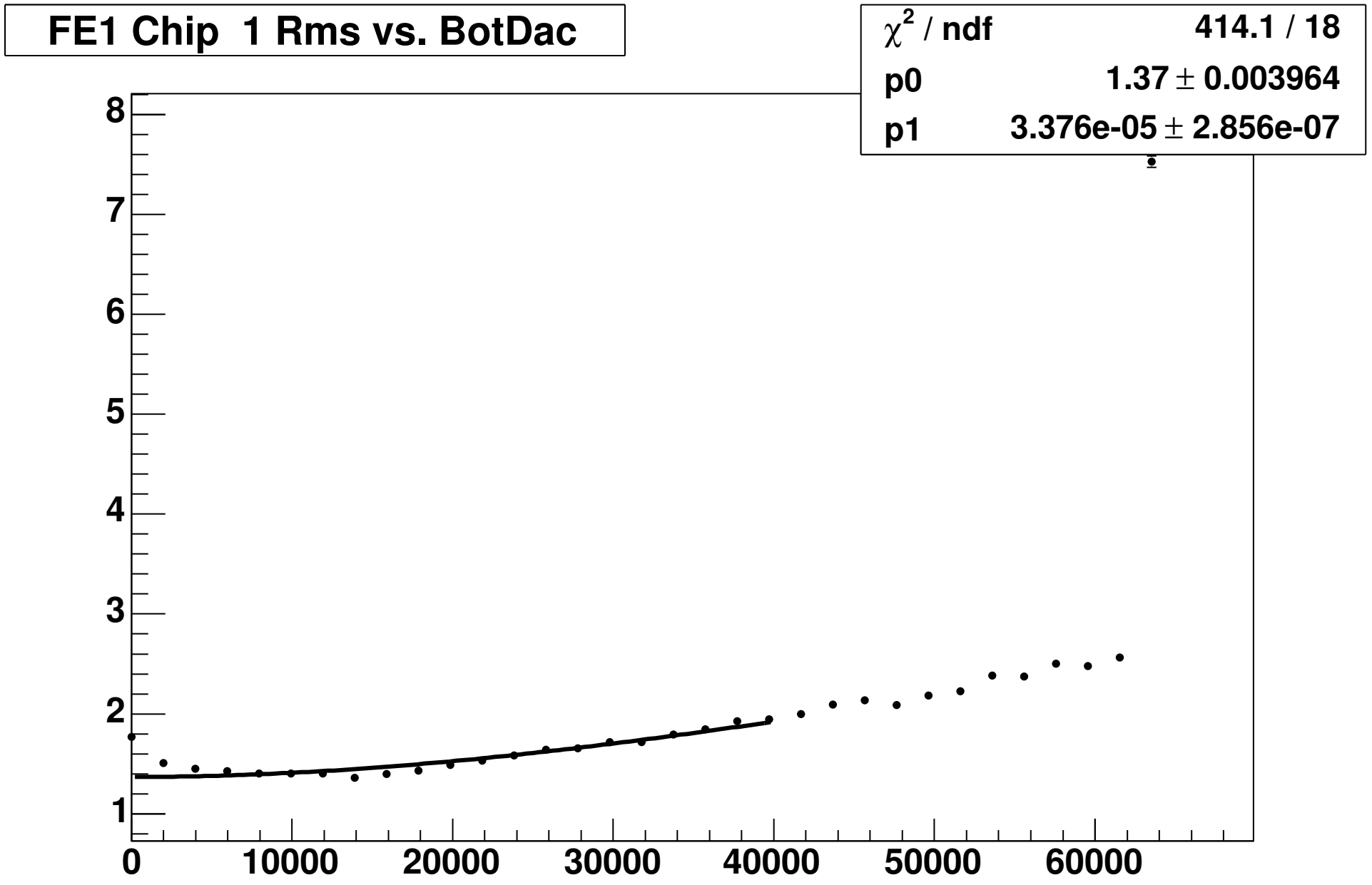
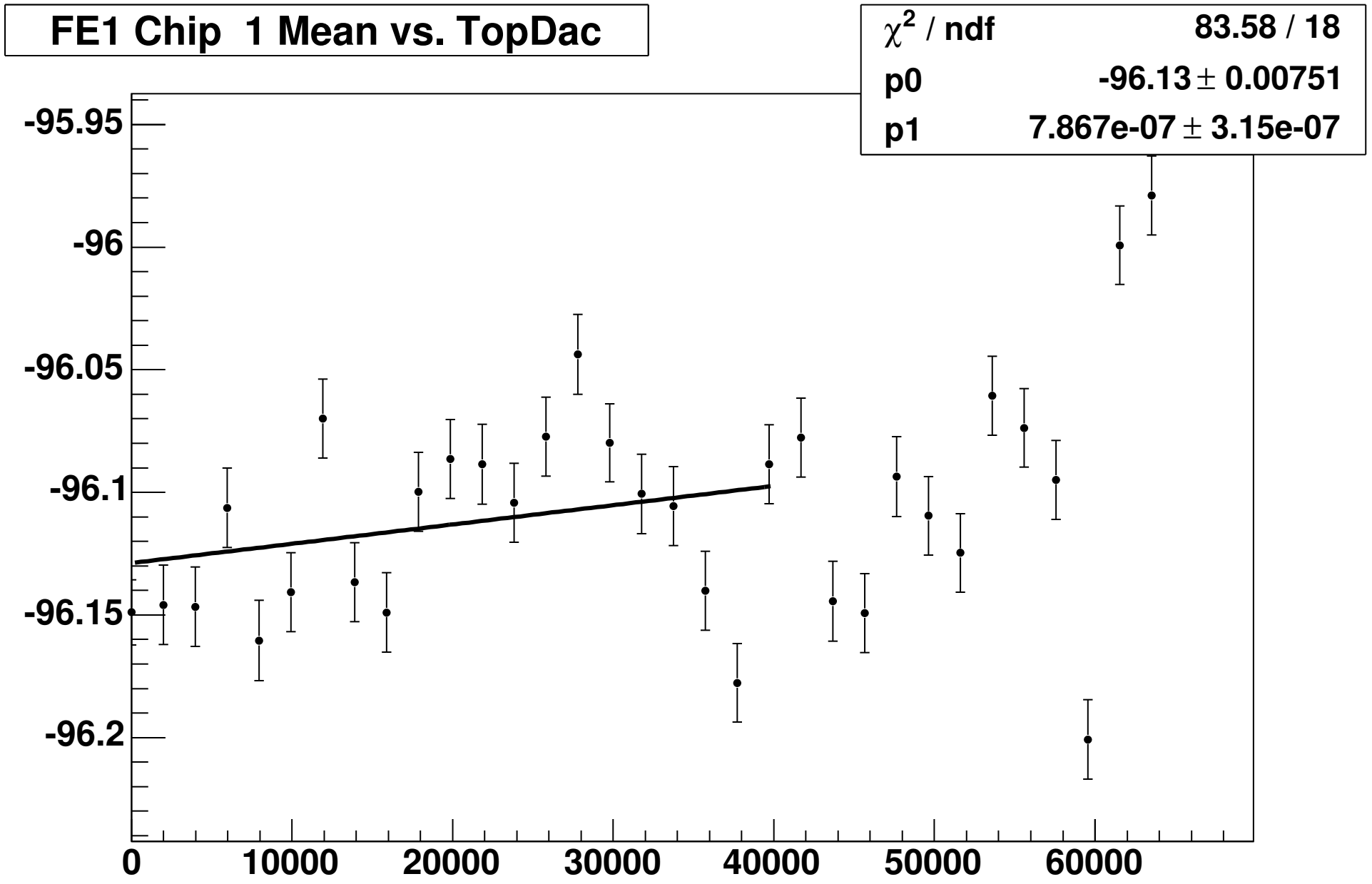
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Rms vs. BotDac
χ² / ndf 414.1 / 18
p0 1.37 ± 0.003964
p1 3.376e-05 ± 2.856e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 1 Mean vs. TopDac
χ² / ndf 83.58 / 18
p0 -96.13 ± 0.00751
p1 7.867e-07 ± 3.15e-07
-95.95
-96
-96.05
-96.1
-96.15
-96.2
0
10000
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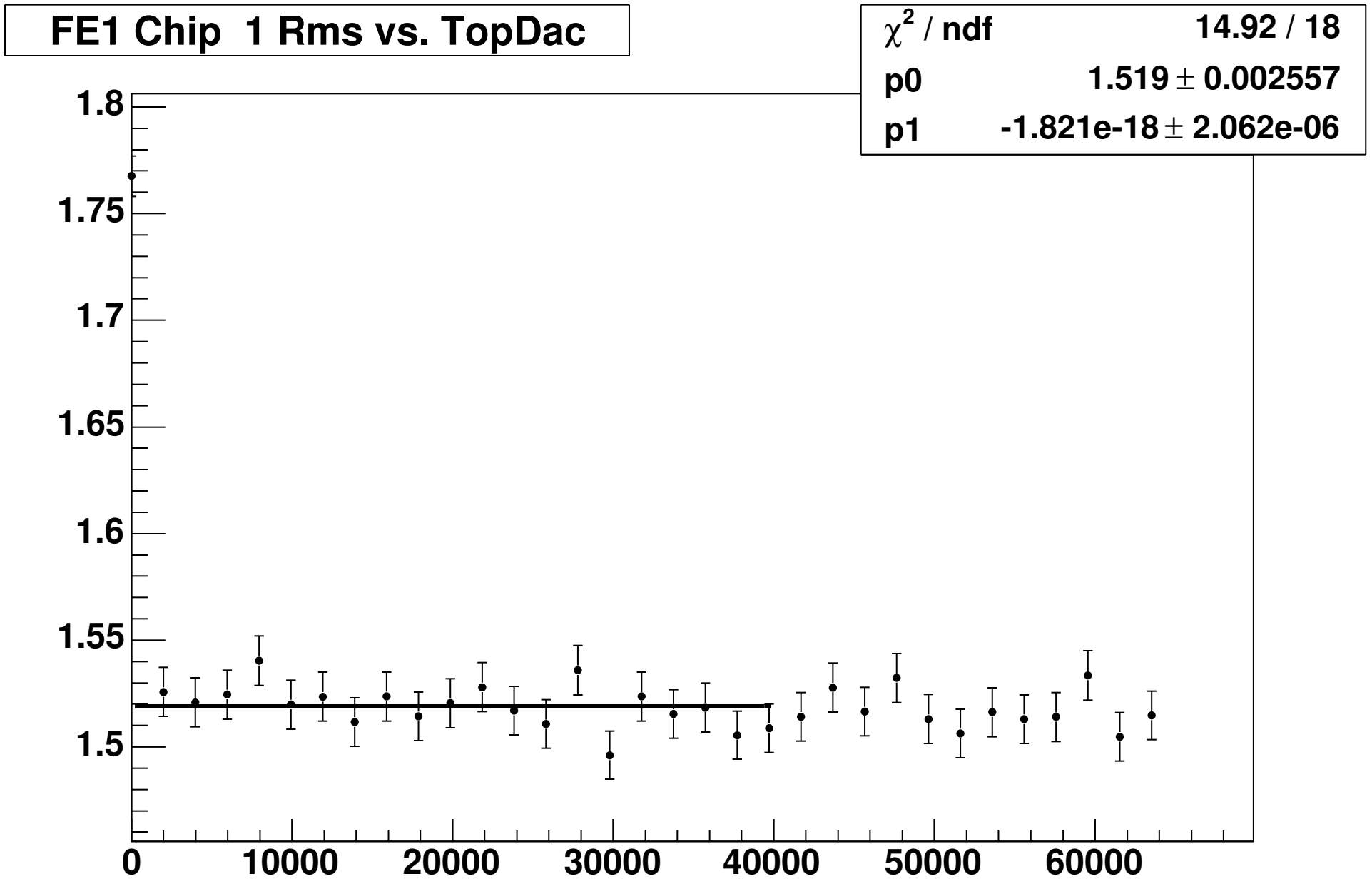
60000


FE1 Chip 1 Rms vs. TopDac
χ² / ndf 14.92 / 18
p0 1.519 ± 0.002557
p1 -1.821e-18 ± 2.062e-06
1.8
1.75
1.7
1.65
1.6
1.55
1.5
0
10000
20000
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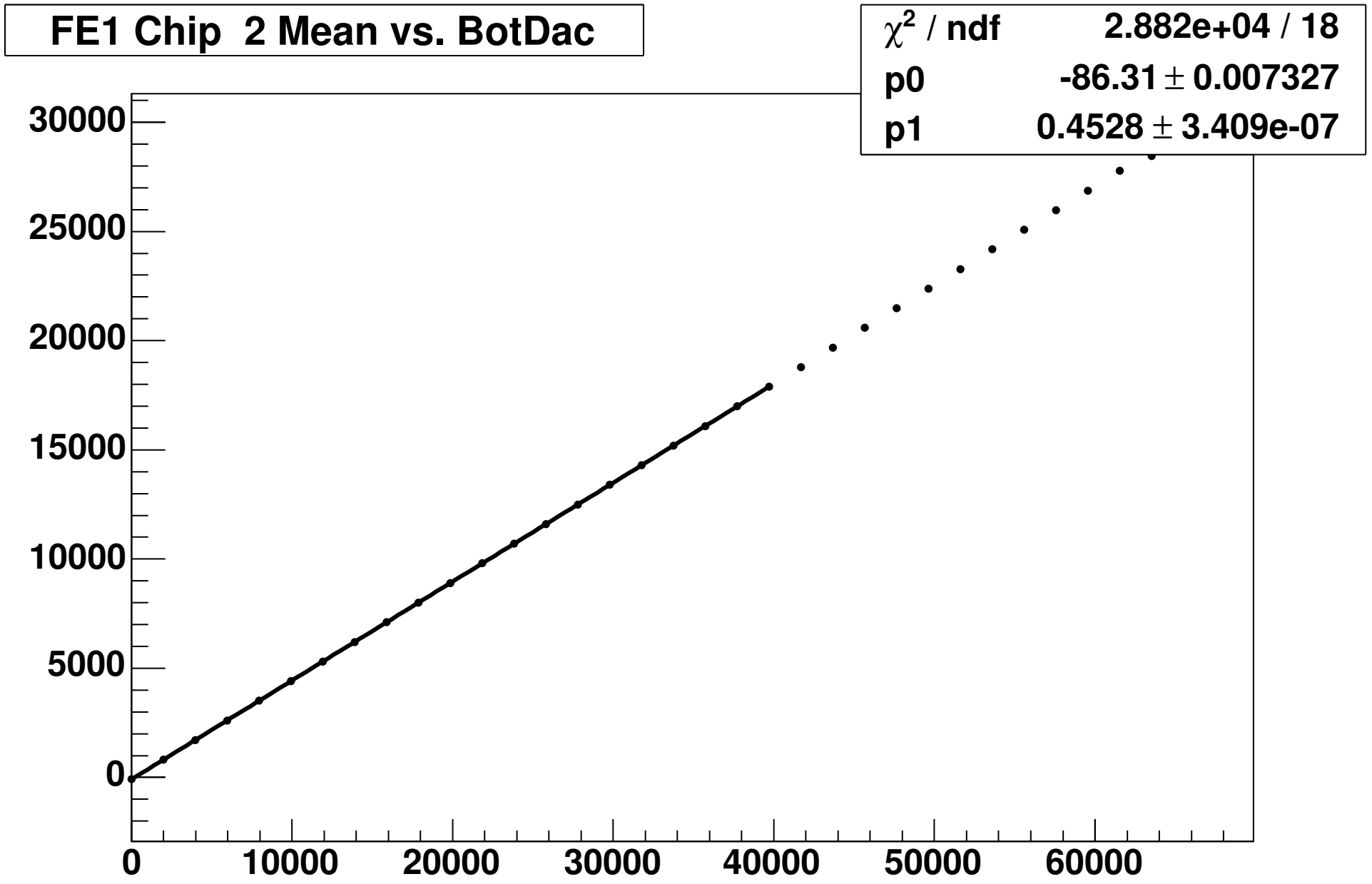
40000
50000
60000


FE1 Chip 2 Mean vs. BotDac
χ² / ndf 2.882e+04 / 18
p0 -86.31 ± 0.007327
p1 0.4528 ± 3.409e-07
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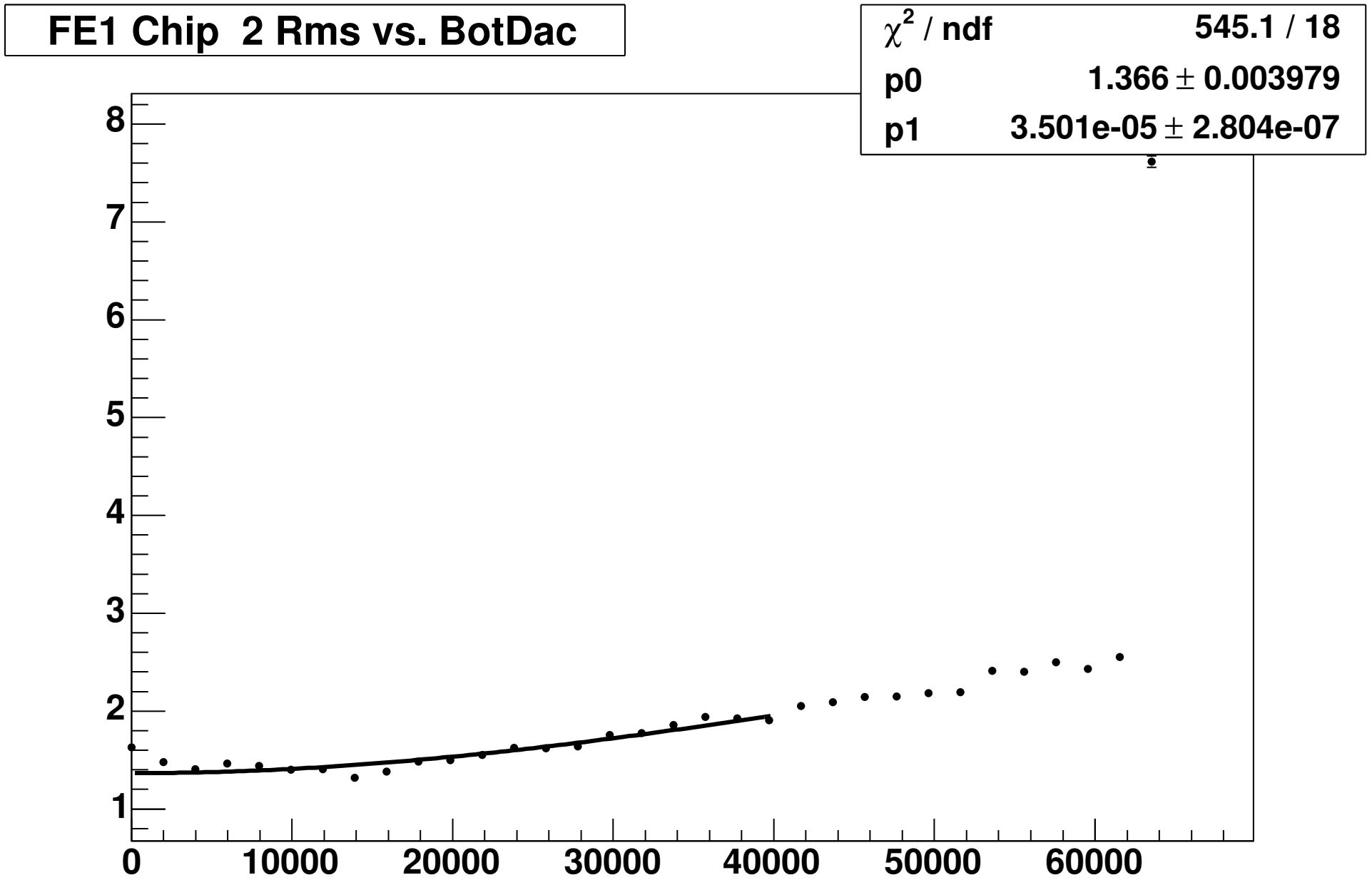
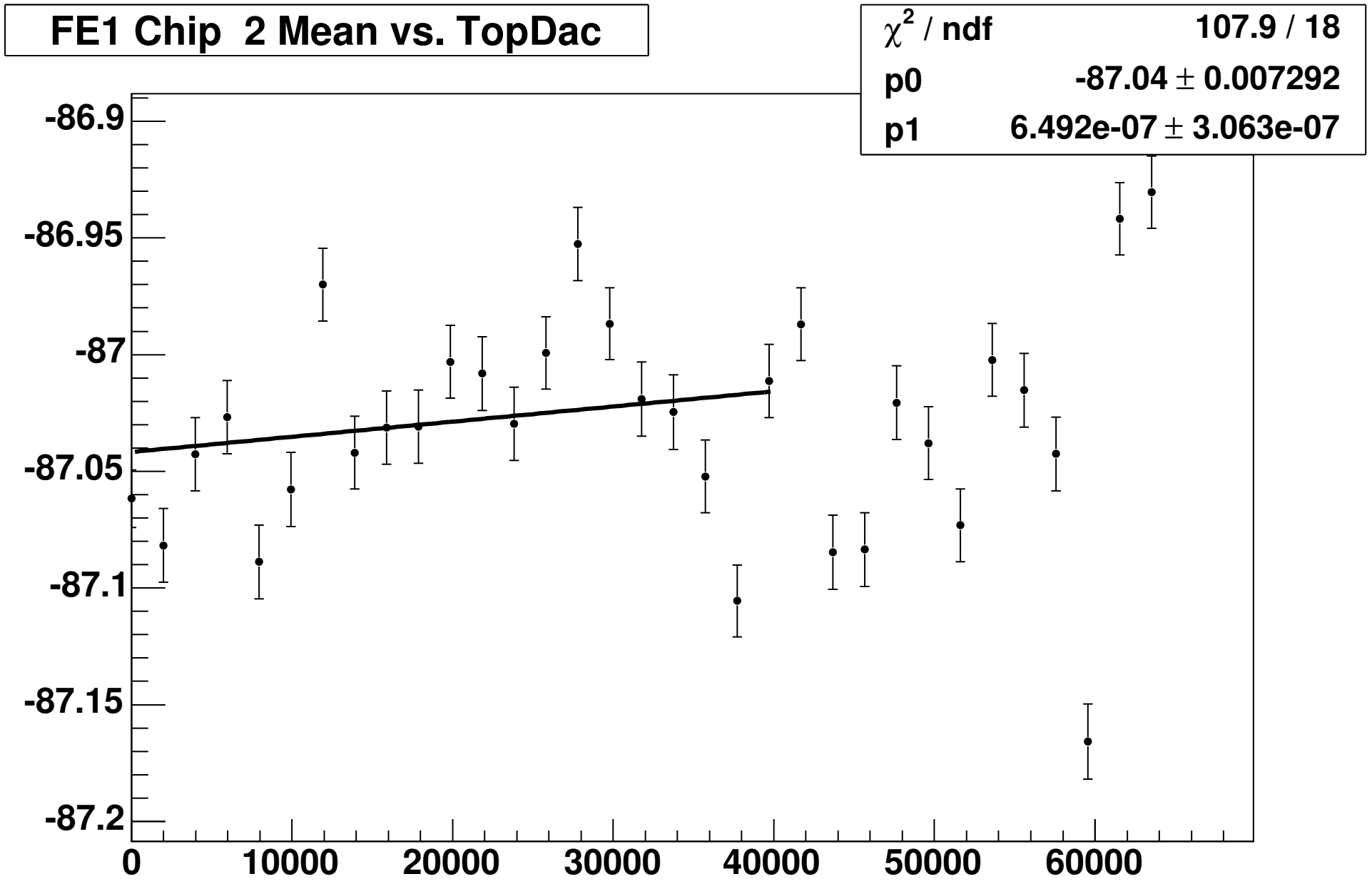
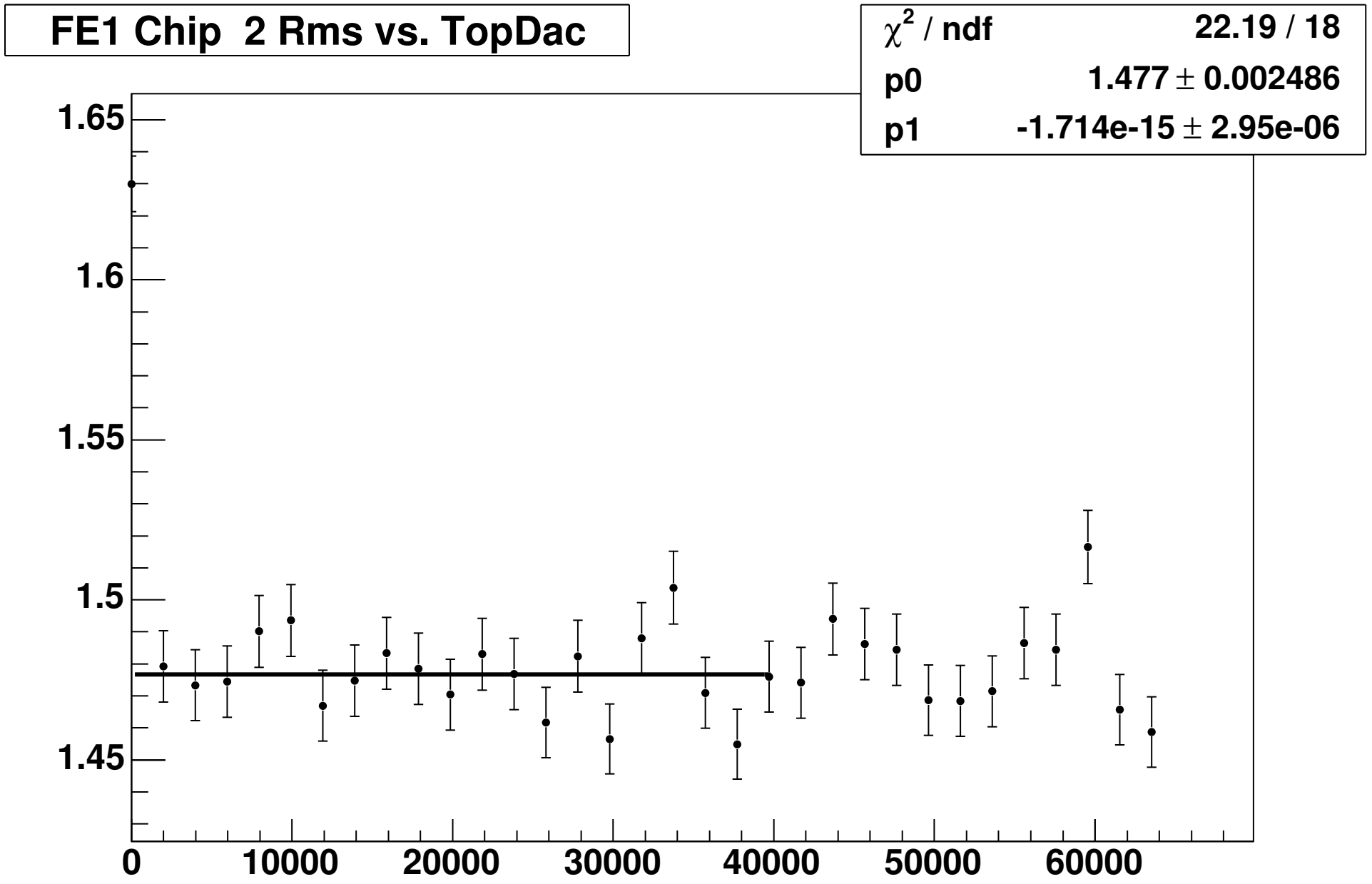
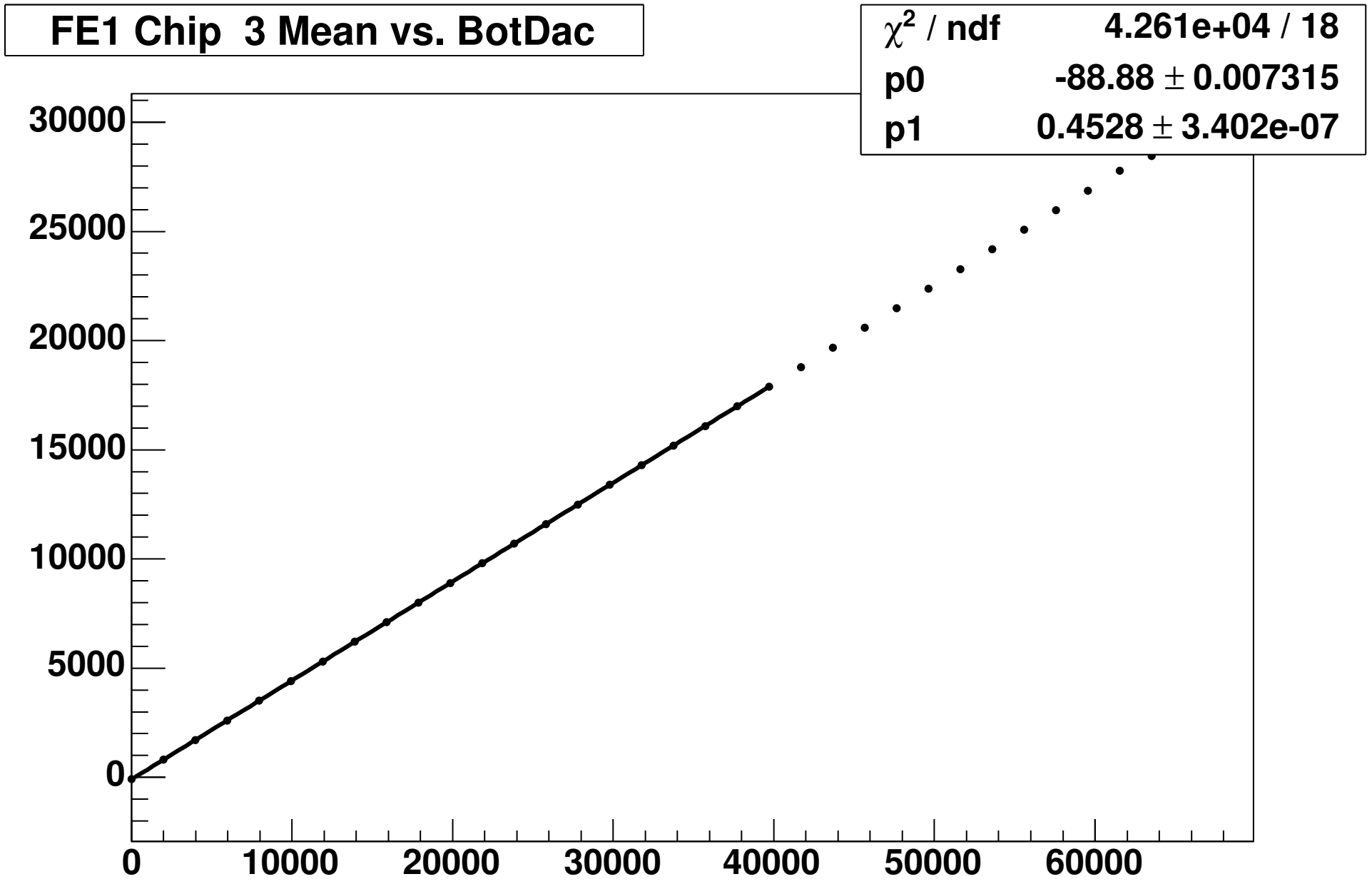
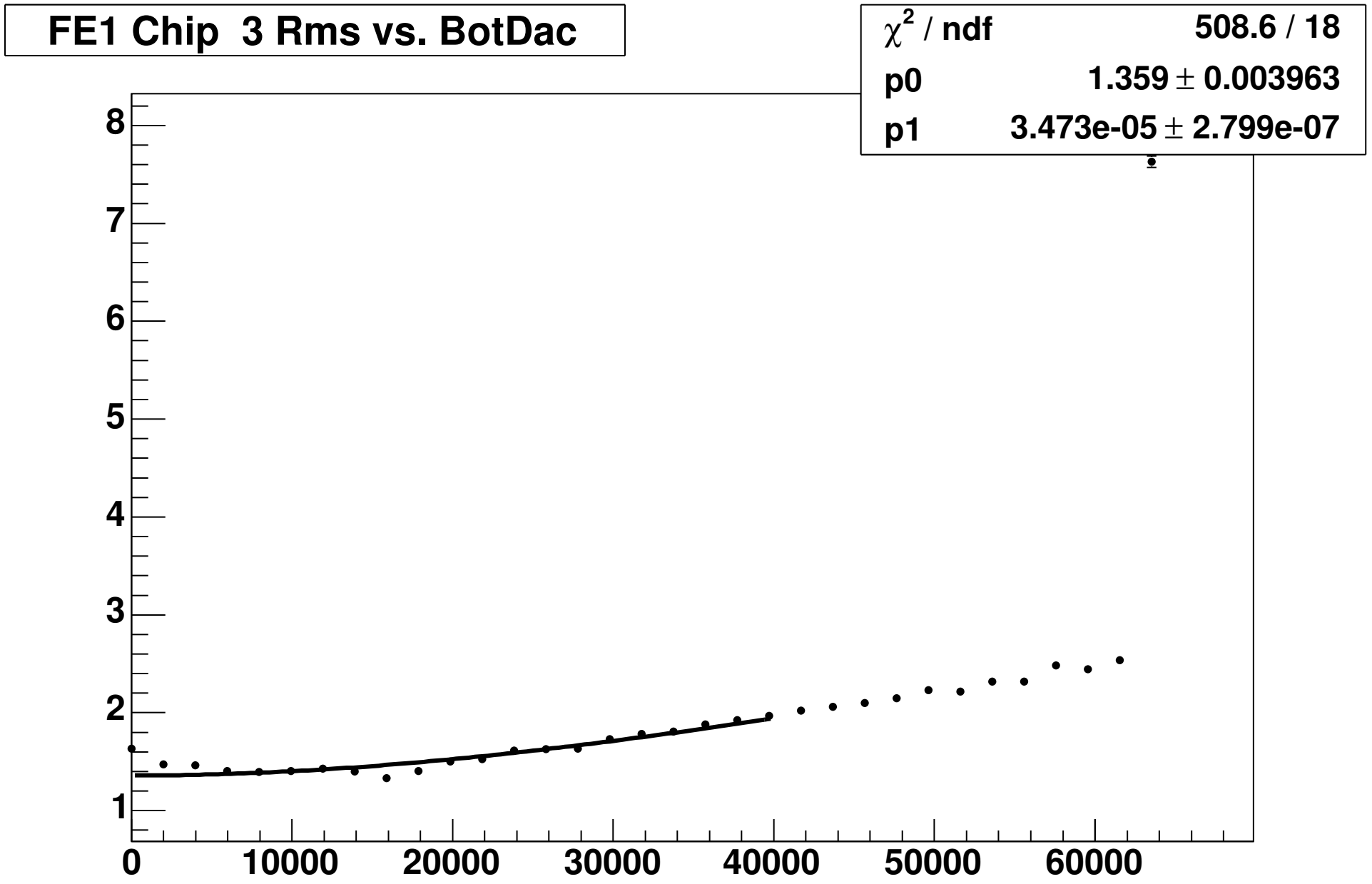
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

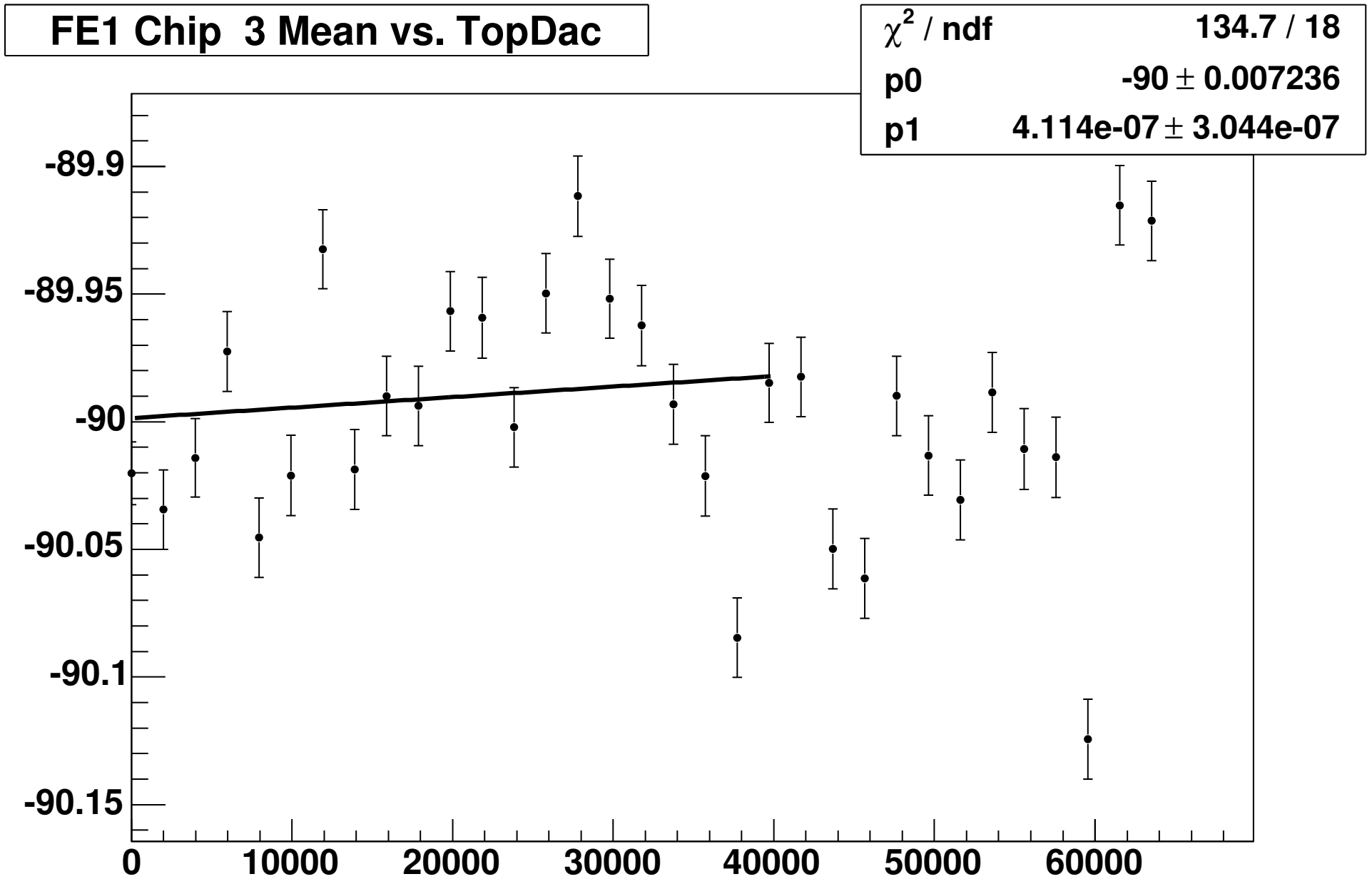

FE1 Chip 2 Rms vs. BotDac
χ² / ndf 545.1 / 18
p0 1.366 ± 0.003979
p1 3.501e-05 ± 2.804e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

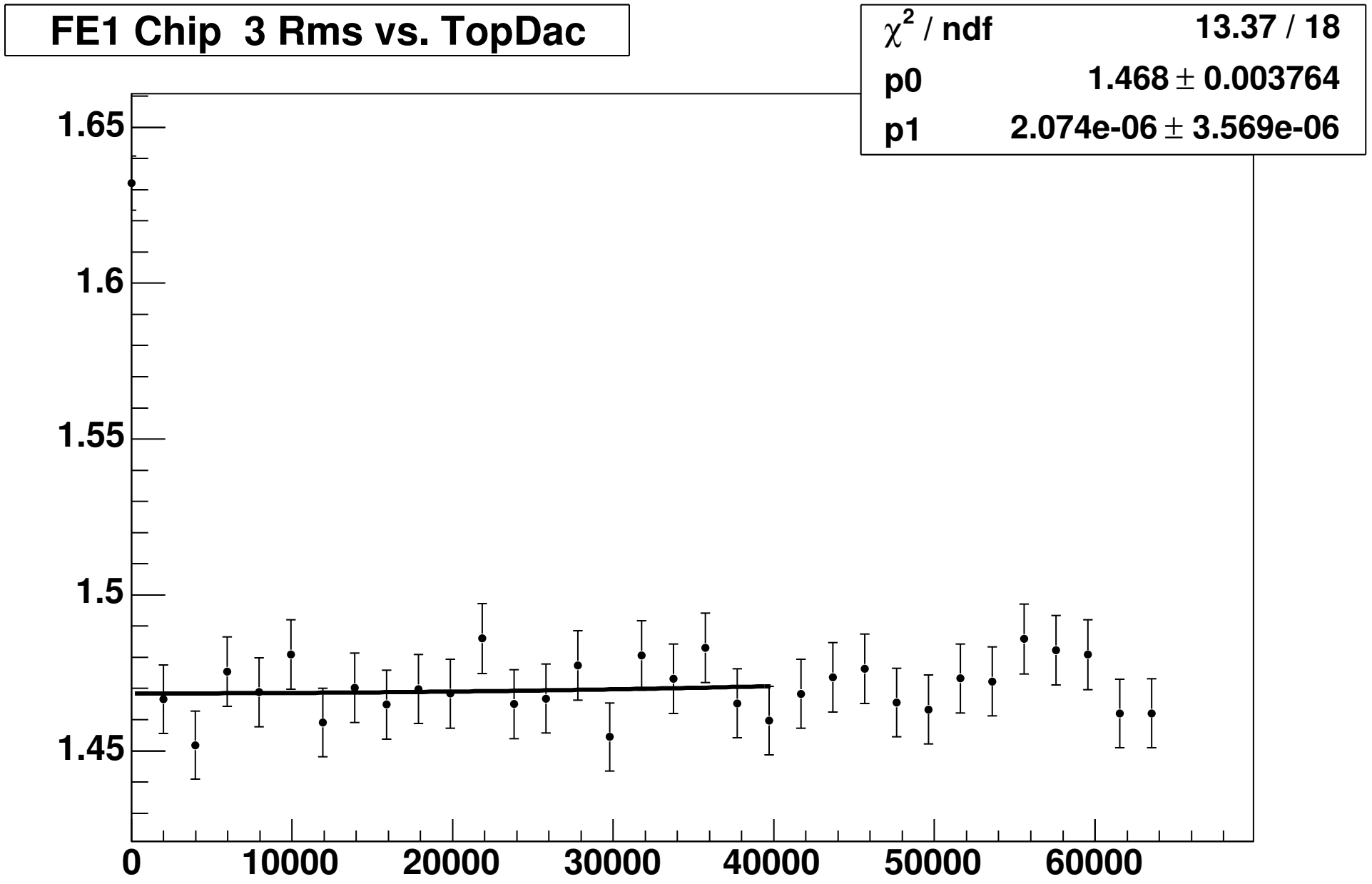

FE1 Chip 2 Mean vs. TopDac
χ² / ndf 107.9 / 18
p0 -87.04 ± 0.007292
p1 6.492e-07 ± 3.063e-07
-86.9
-86.95
-87
-87.05
-87.1
-87.15
-87.2
0
10000
20000
30000
40000
50000
60000

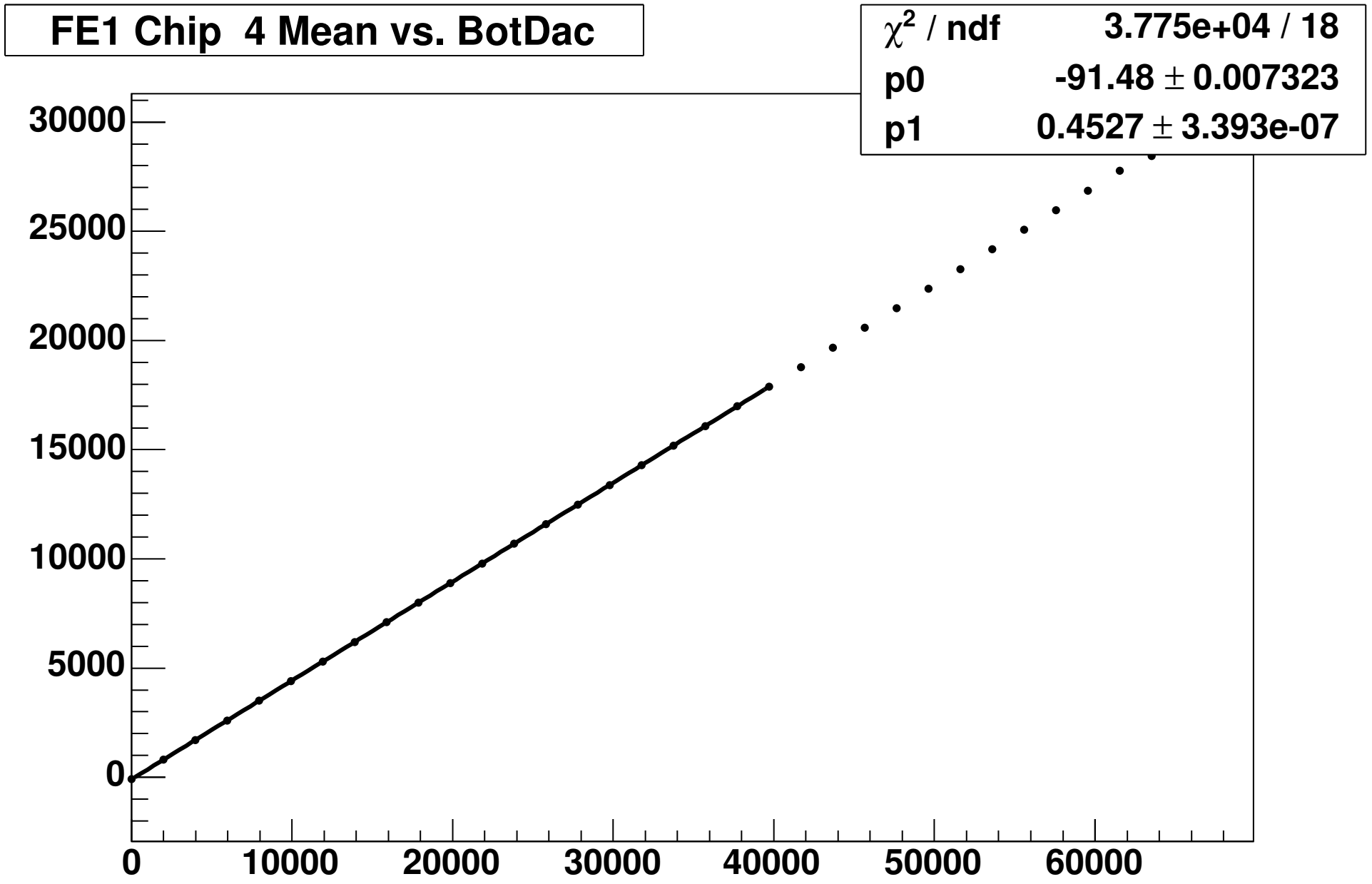

FE1 Chip 2 Rms vs. TopDac
χ² / ndf 22.19 / 18
p0 1.477 ± 0.002486
p1 -1.714e-15 ± 2.95e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000

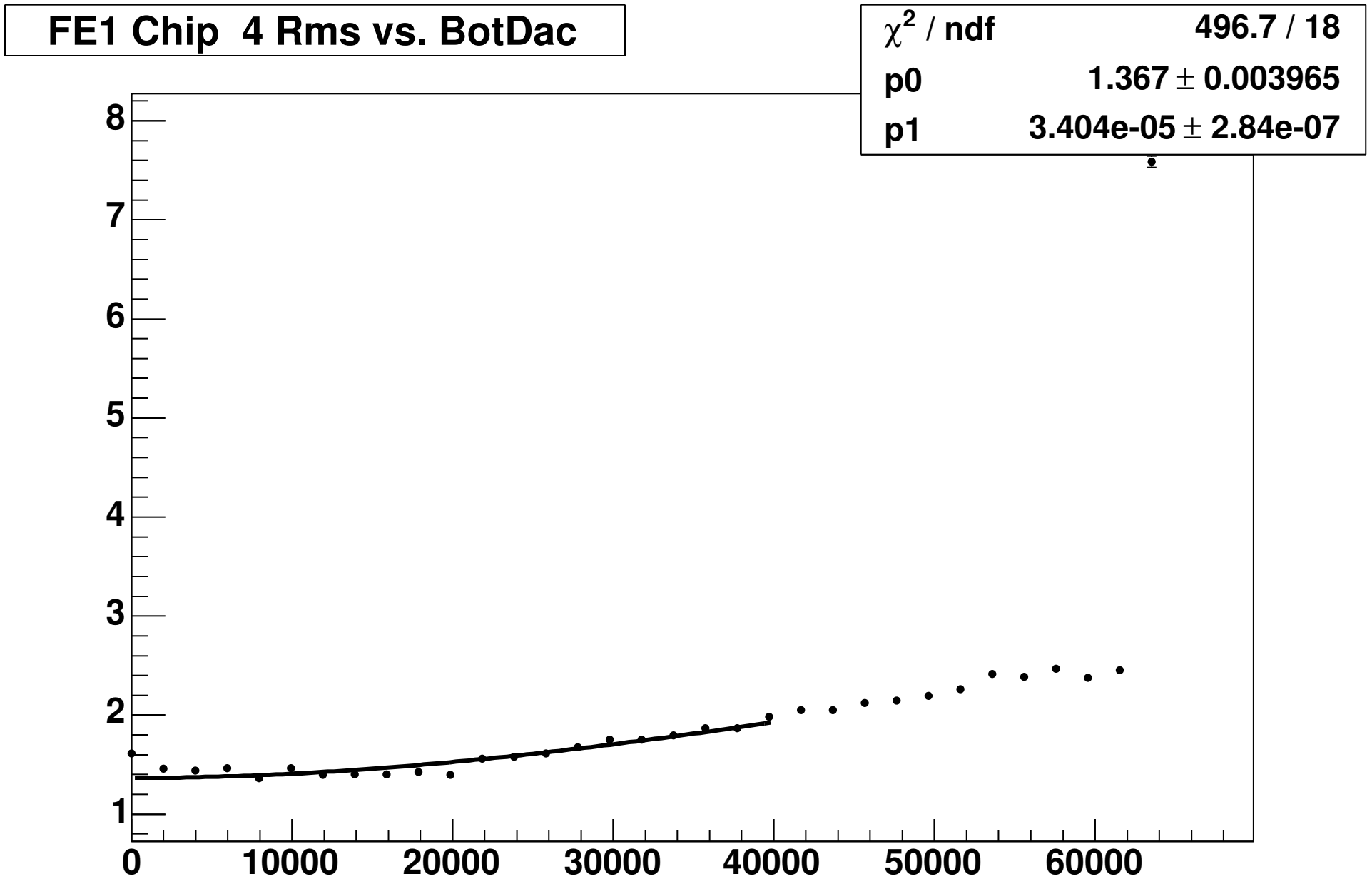

FE1 Chip 3 Mean vs. BotDac
χ² / ndf 4.261e+04 / 18
p0 -88.88 ± 0.007315
p1 0.4528 ± 3.402e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

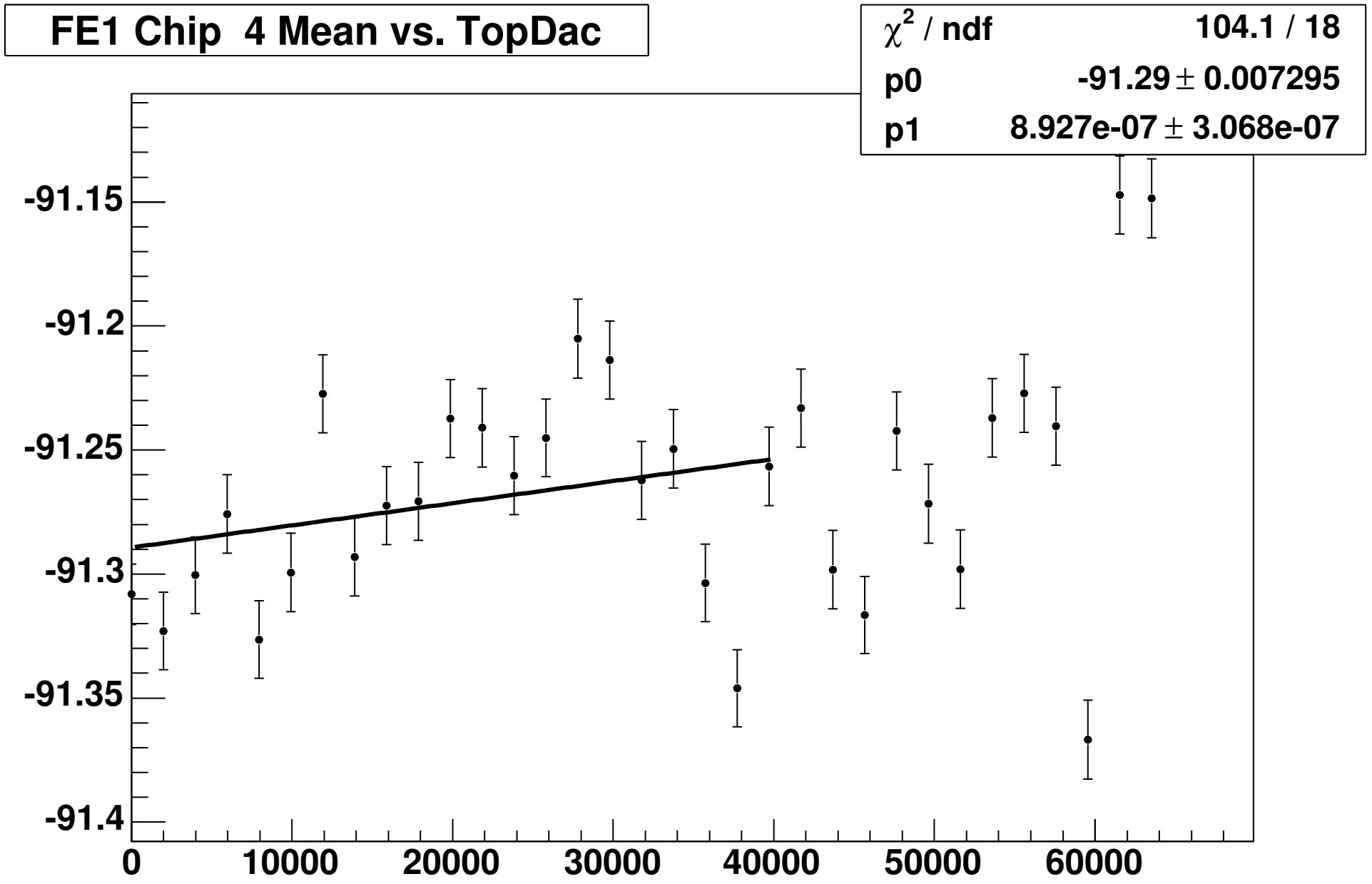

FE1 Chip 3 Rms vs. BotDac
χ² / ndf 508.6 / 18
p0 1.359 ± 0.003963
p1 3.473e-05 ± 2.799e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

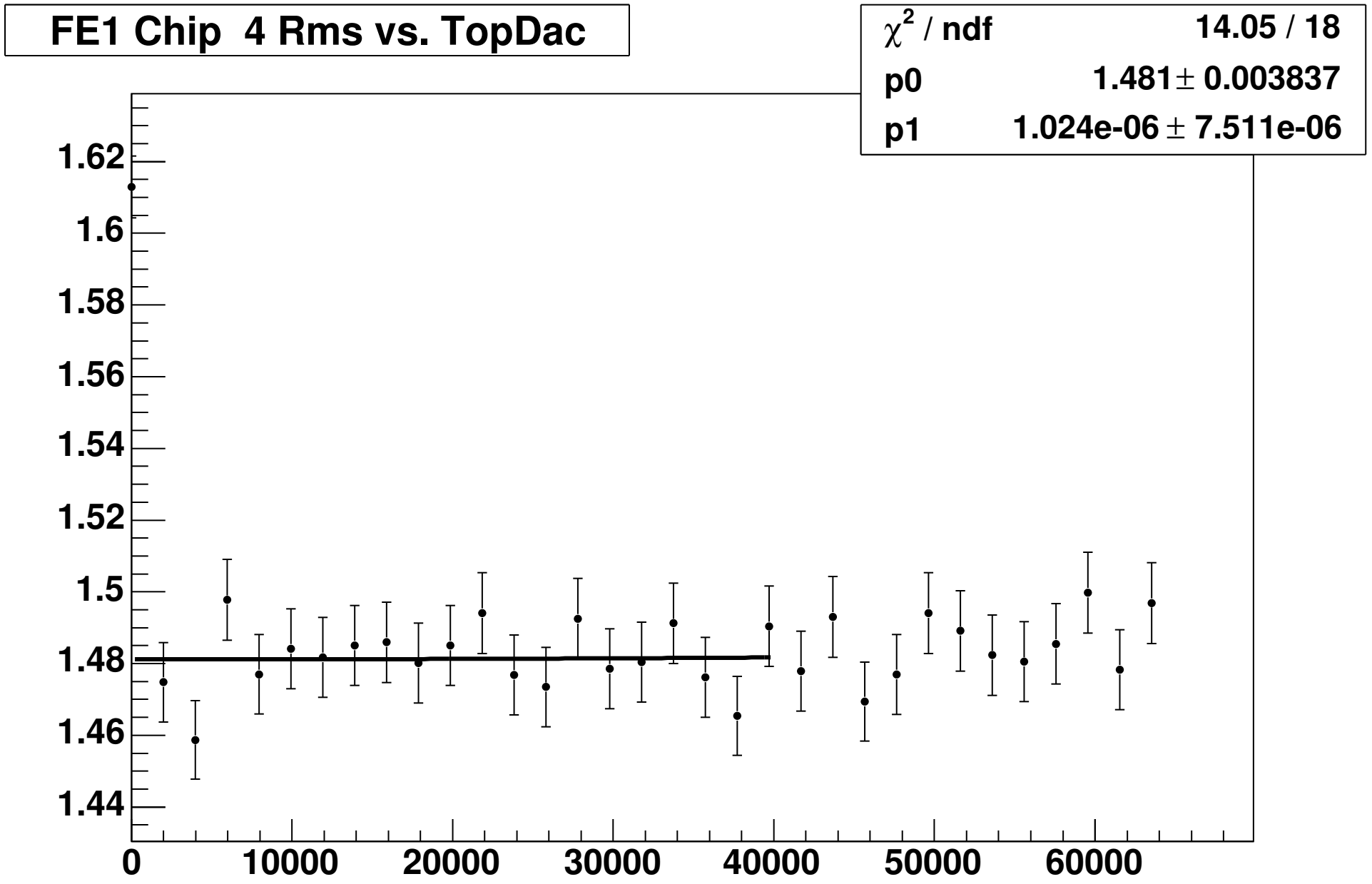

FE1 Chip 3 Mean vs. TopDac
χ² / ndf 134.7 / 18
p0 -90 ± 0.007236
p1 4.114e-07 ± 3.044e-07
-89.9
-89.95
-90
-90.05
-90.1
-90.15
0
10000
20000
30000
40000
50000
60000


FE1 Chip 3 Rms vs. TopDac
χ² / ndf 13.37 / 18
p0 1.468 ± 0.003764
p1 2.074e-06 ± 3.569e-06
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. BotDac
χ² / ndf 3.775e+04 / 18
p0 -91.48 ± 0.007323
p1 0.4527 ± 3.393e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. BotDac
χ² / ndf 496.7 / 18
p0 1.367 ± 0.003965
p1 3.404e-05 ± 2.84e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Mean vs. TopDac
χ² / ndf 104.1 / 18
p0 -91.29 ± 0.007295
p1 8.927e-07 ± 3.068e-07
-91.15
-91.2
-91.25
-91.3
-91.35
-91.4
0
10000
20000
30000
40000
50000
60000


FE1 Chip 4 Rms vs. TopDac
χ² / ndf 14.05 / 18
p0 1.481 ± 0.003837
p1 1.024e-06 ± 7.511e-06
1.62
1.6
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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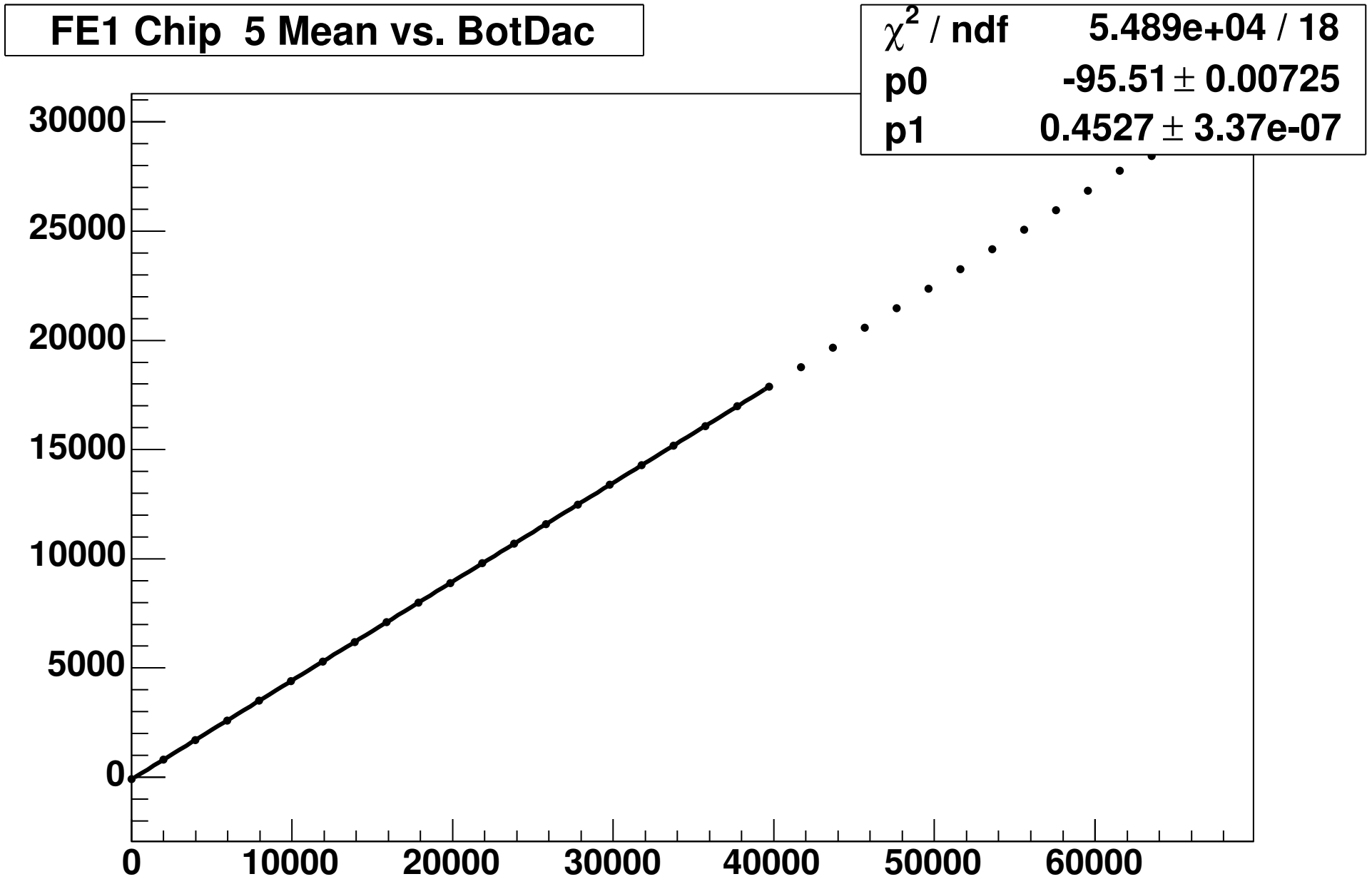
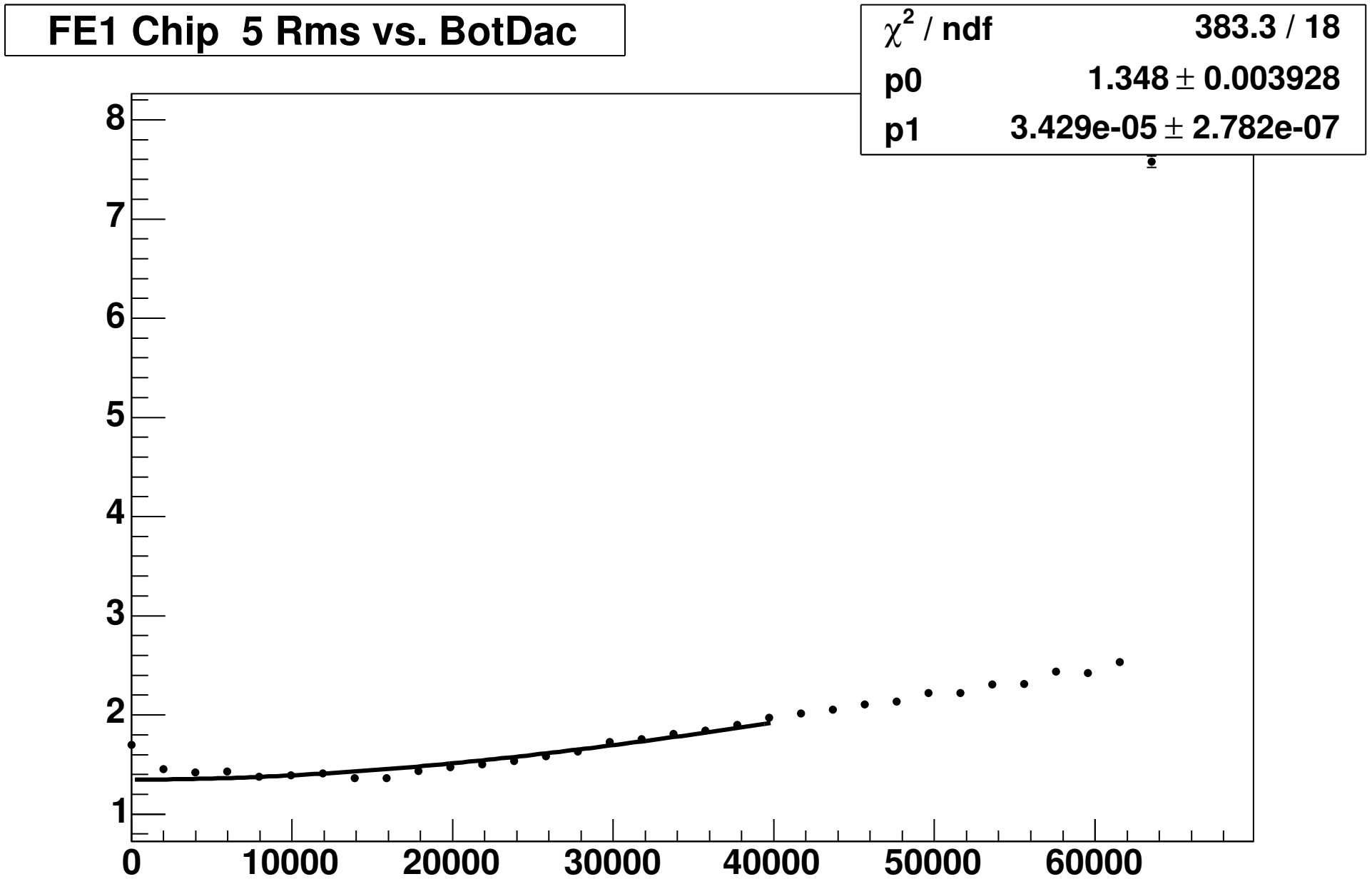

FE1 Chip 5 Mean vs. BotDac
χ² / ndf 5.489e+04 / 18
p0 -95.51 ± 0.00725
p1 0.4527 ± 3.37e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 5 Rms vs. BotDac
χ² / ndf 383.3 / 18
p0 1.348 ± 0.003928
p1 3.429e-05 ± 2.782e-07
8
7
6
5
4
3
2
1
0
10000
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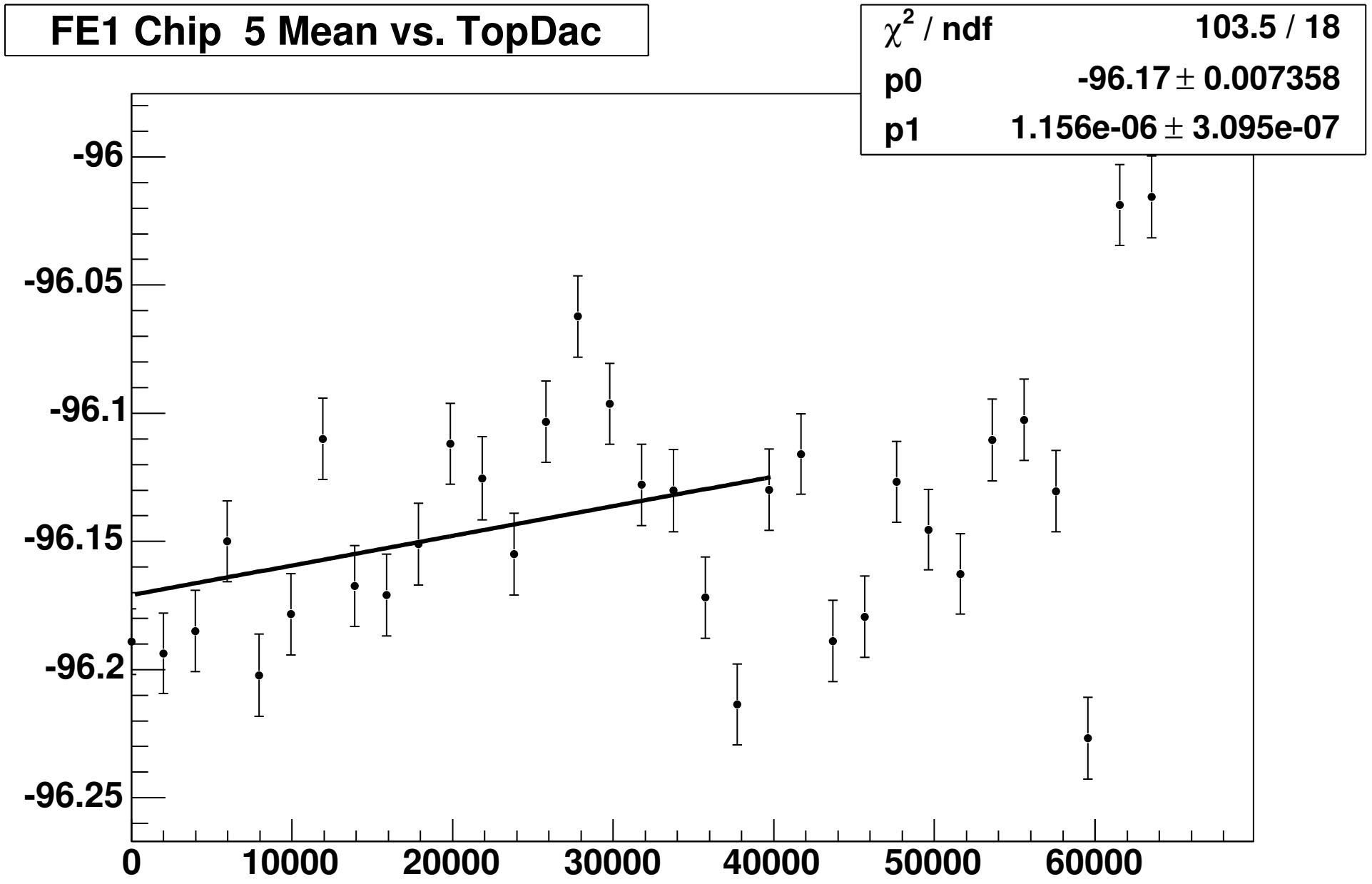
30000
40000
50000
60000


FE1 Chip 5 Mean vs. TopDac
χ² / ndf 103.5 / 18
p0 -96.17 ± 0.007358
p1 1.156e-06 ± 3.095e-07
-96
-96.05
-96.1
-96.15
-96.2
-96.25
0
10000
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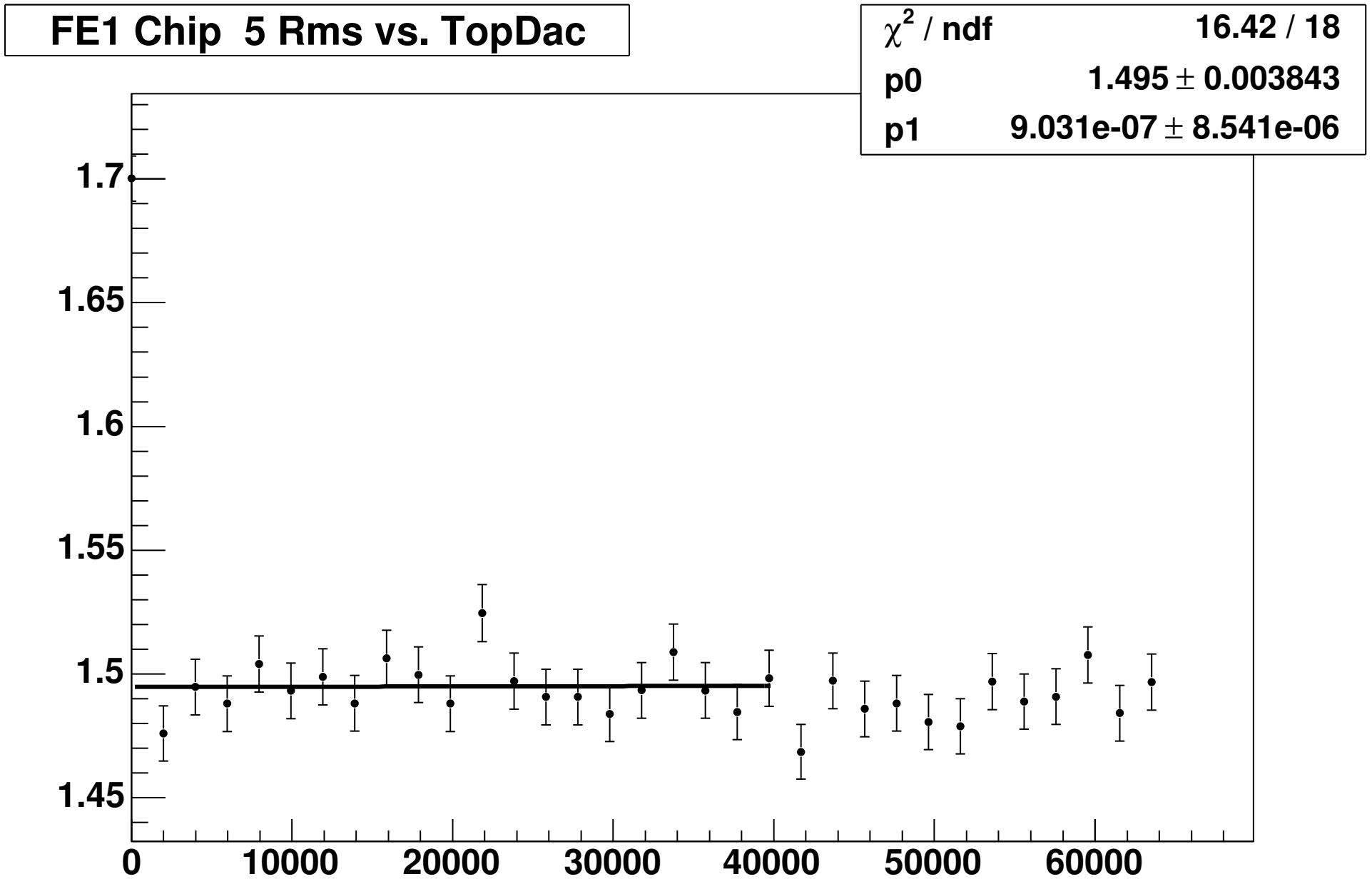
FE1 Chip 5 Rms vs. TopDac
χ² / ndf 16.42 / 18
p0 1.495 ± 0.003843
p1 9.031e-07 ± 8.541e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
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30000
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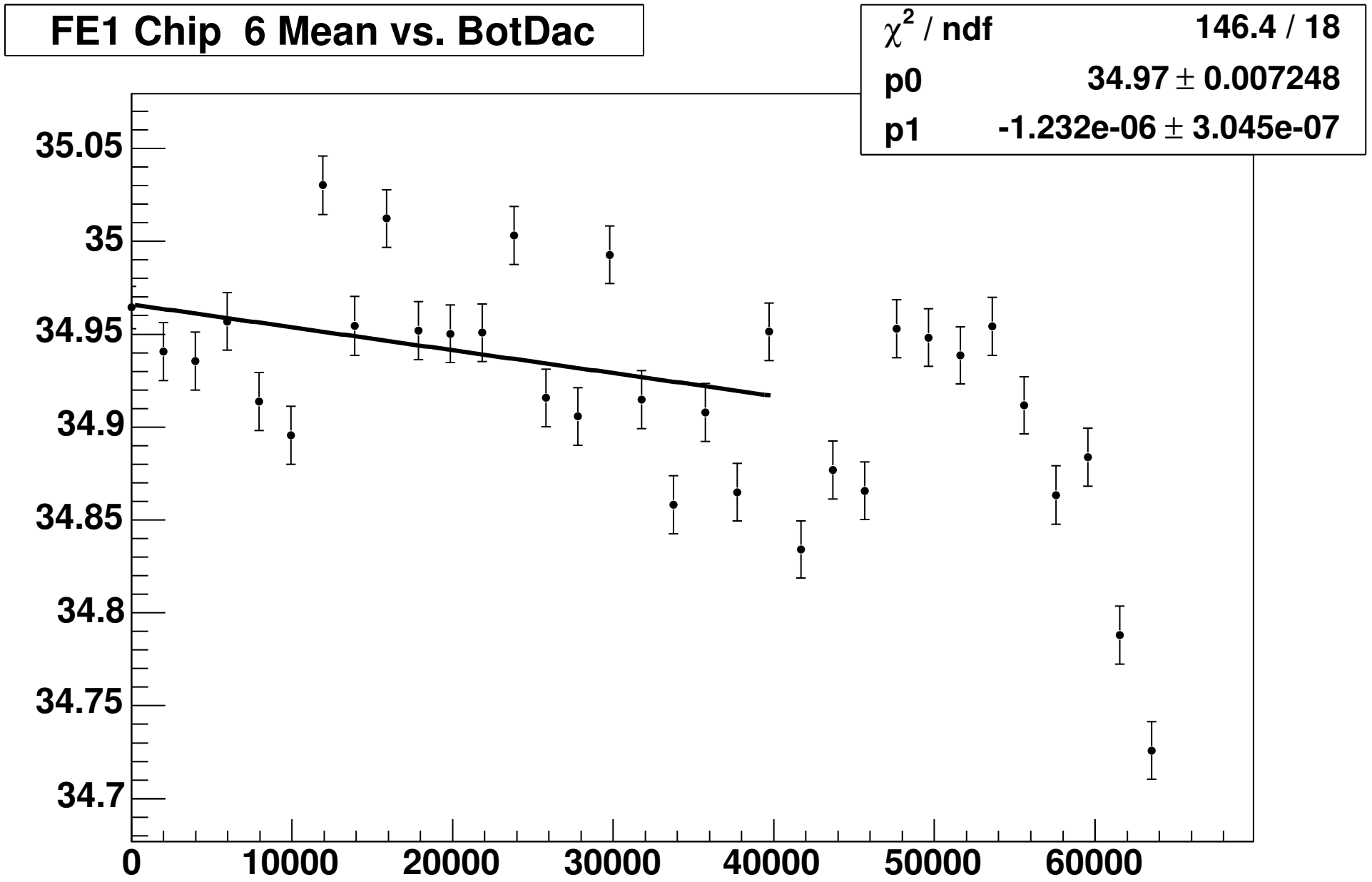
50000
60000


FE1 Chip 6 Mean vs. BotDac
χ² / ndf 146.4 / 18
p0 34.97 ± 0.007248
p1 -1.232e-06 ± 3.045e-07
35.05
35
34.95
34.9
34.85
34.8
34.75
34.7
0
10000
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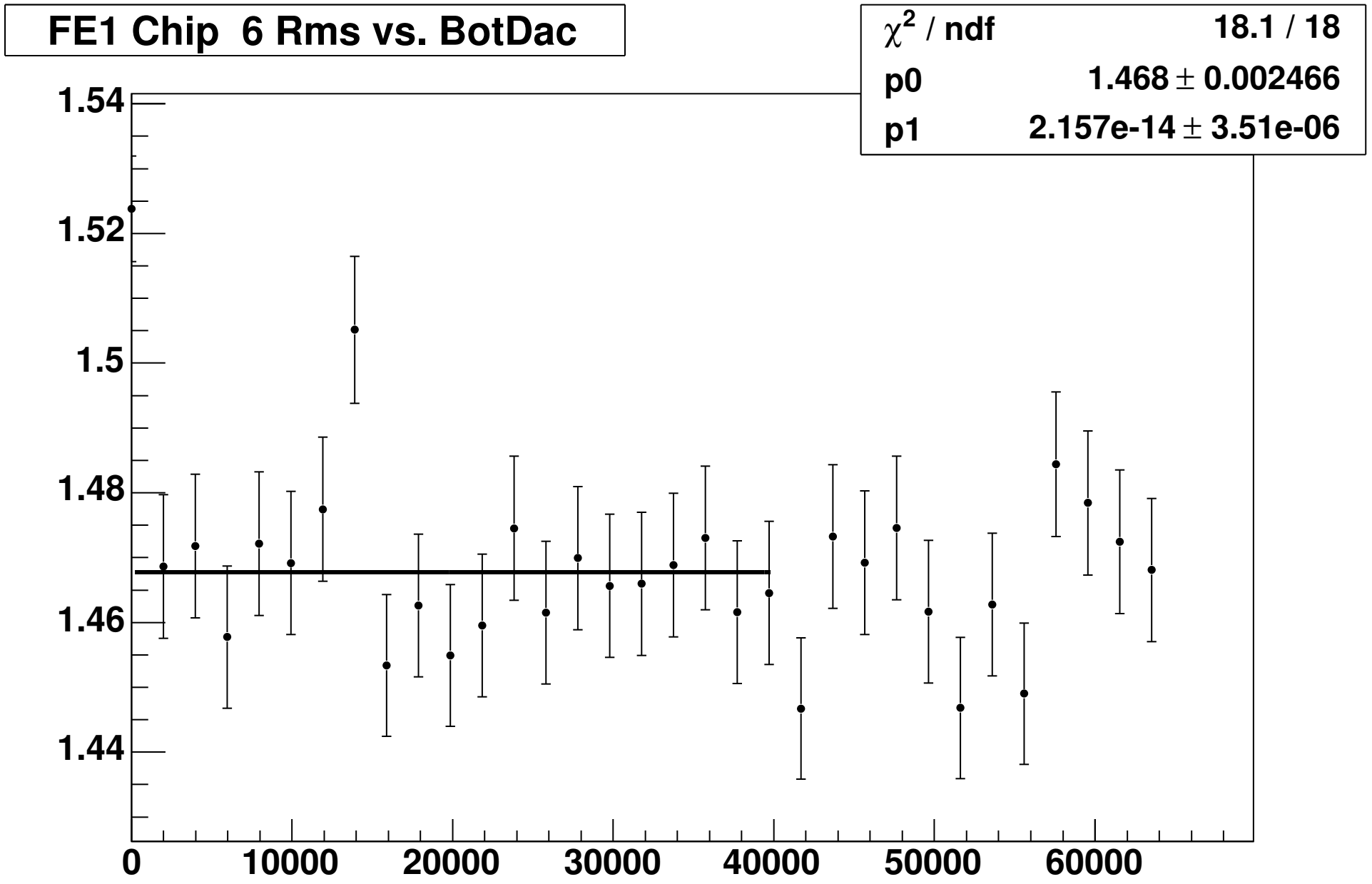
40000
50000
60000


FE1 Chip 6 Rms vs. BotDac
χ² / ndf 18.1 / 18
p0 1.468 ± 0.002466
p1 2.157e-14 ± 3.51e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
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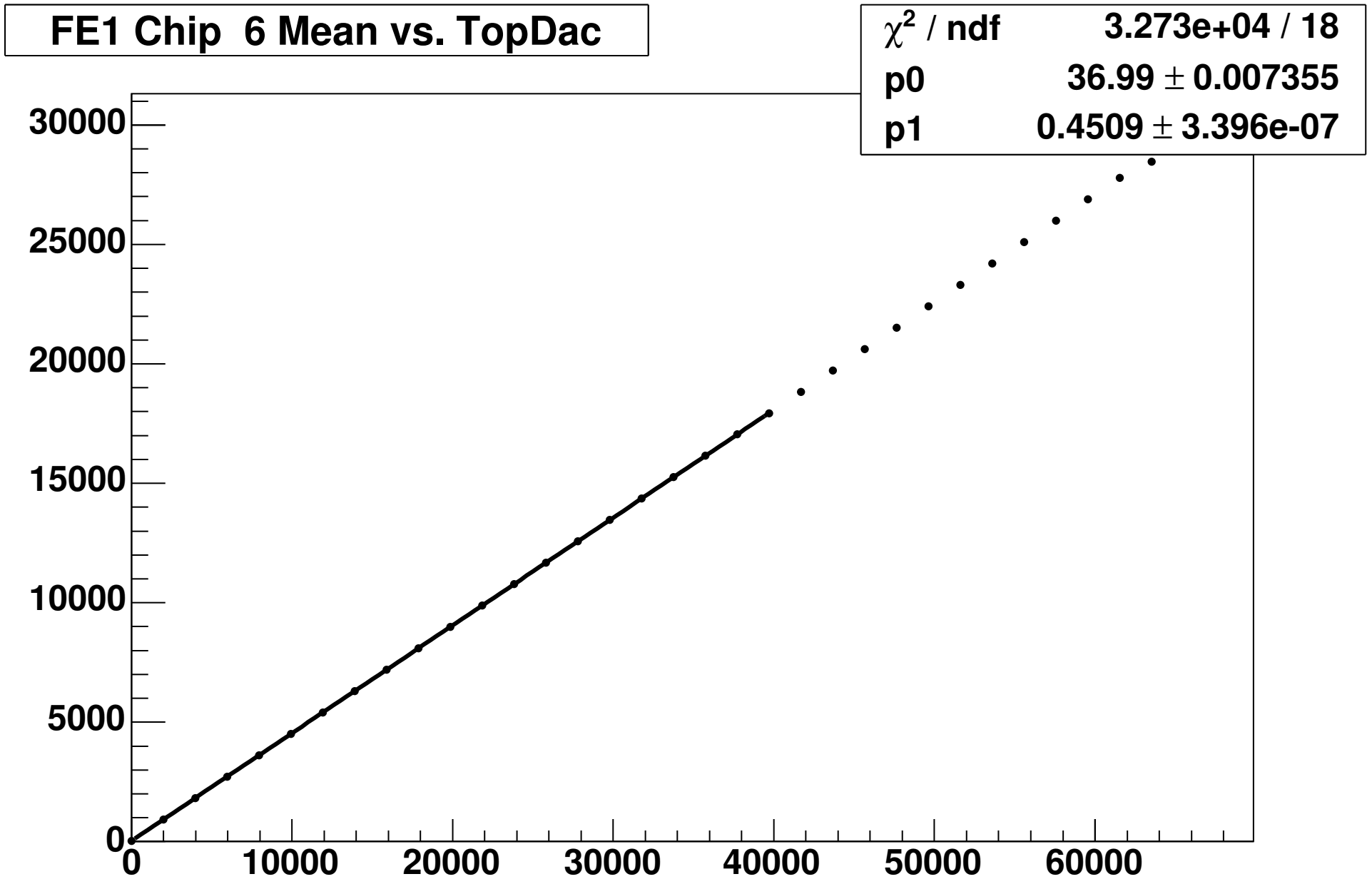
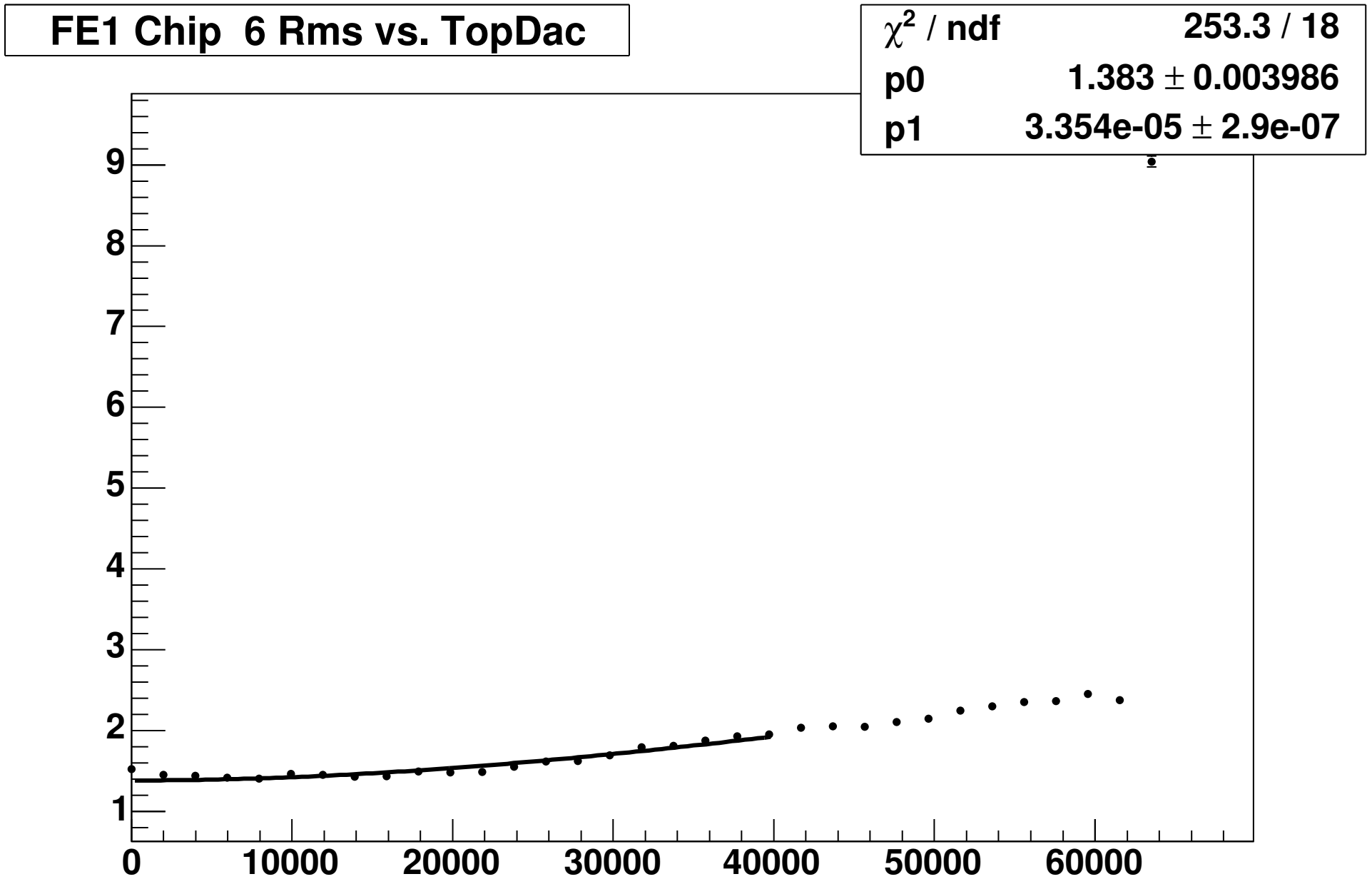
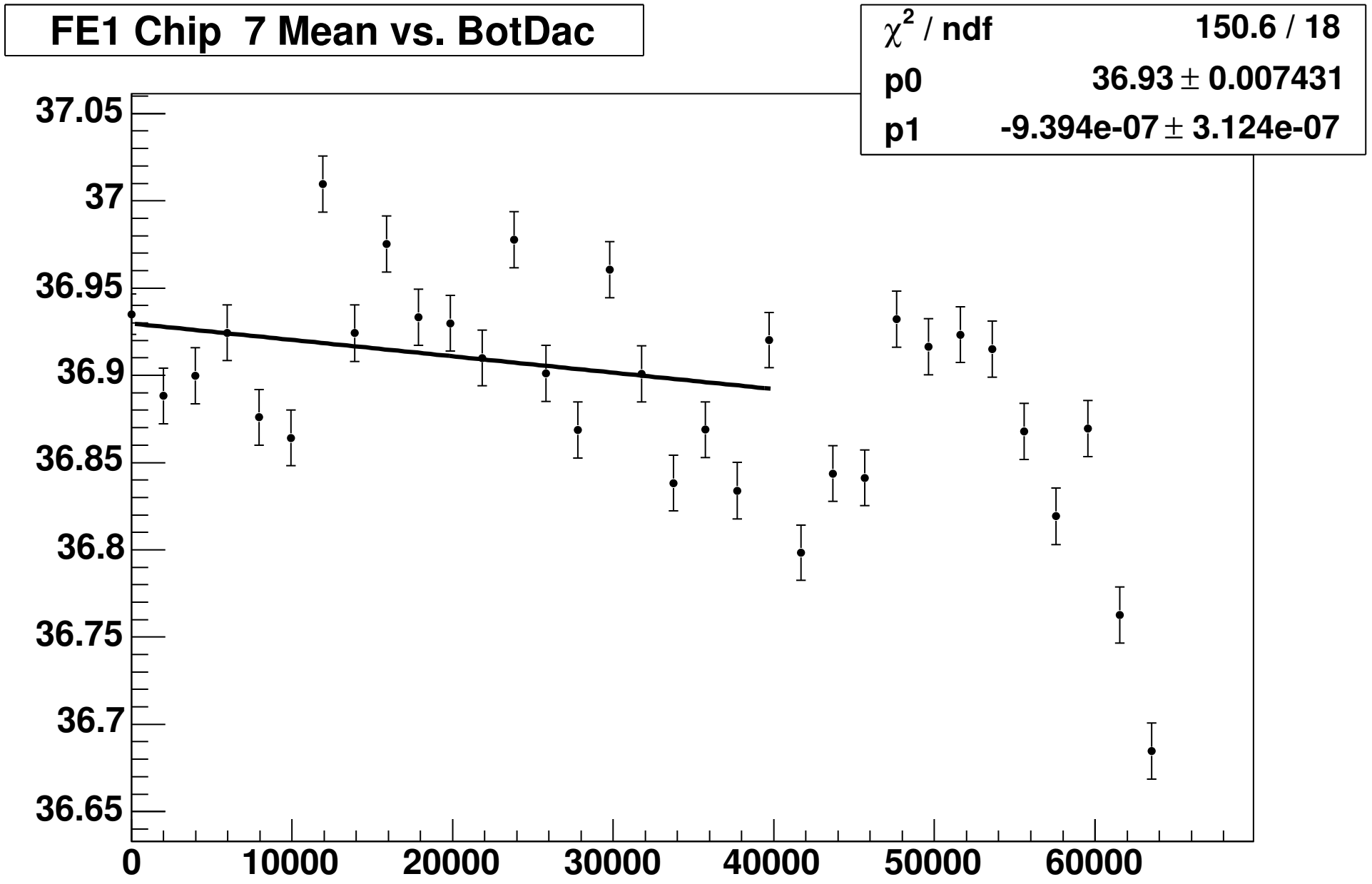
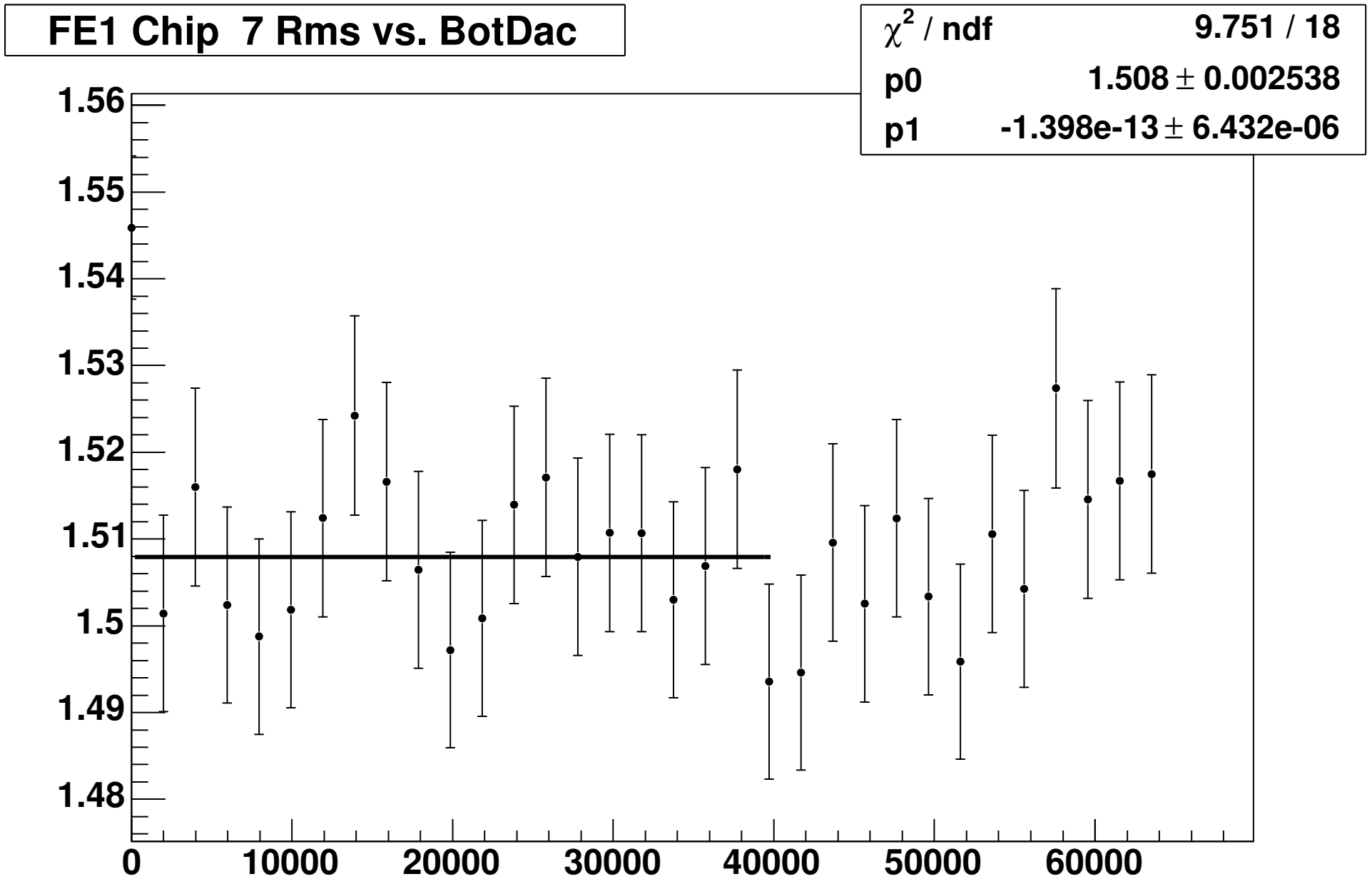
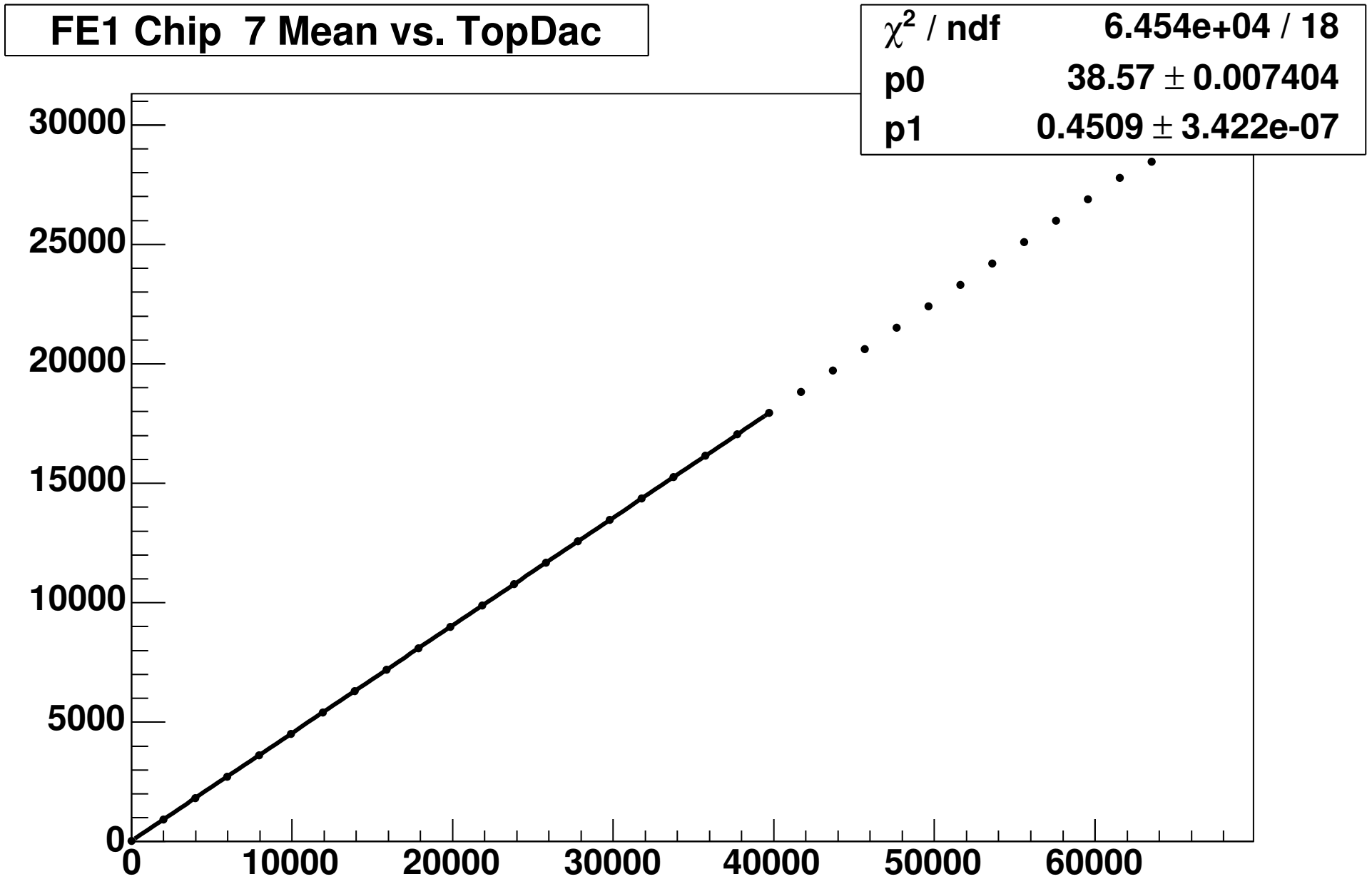
60000

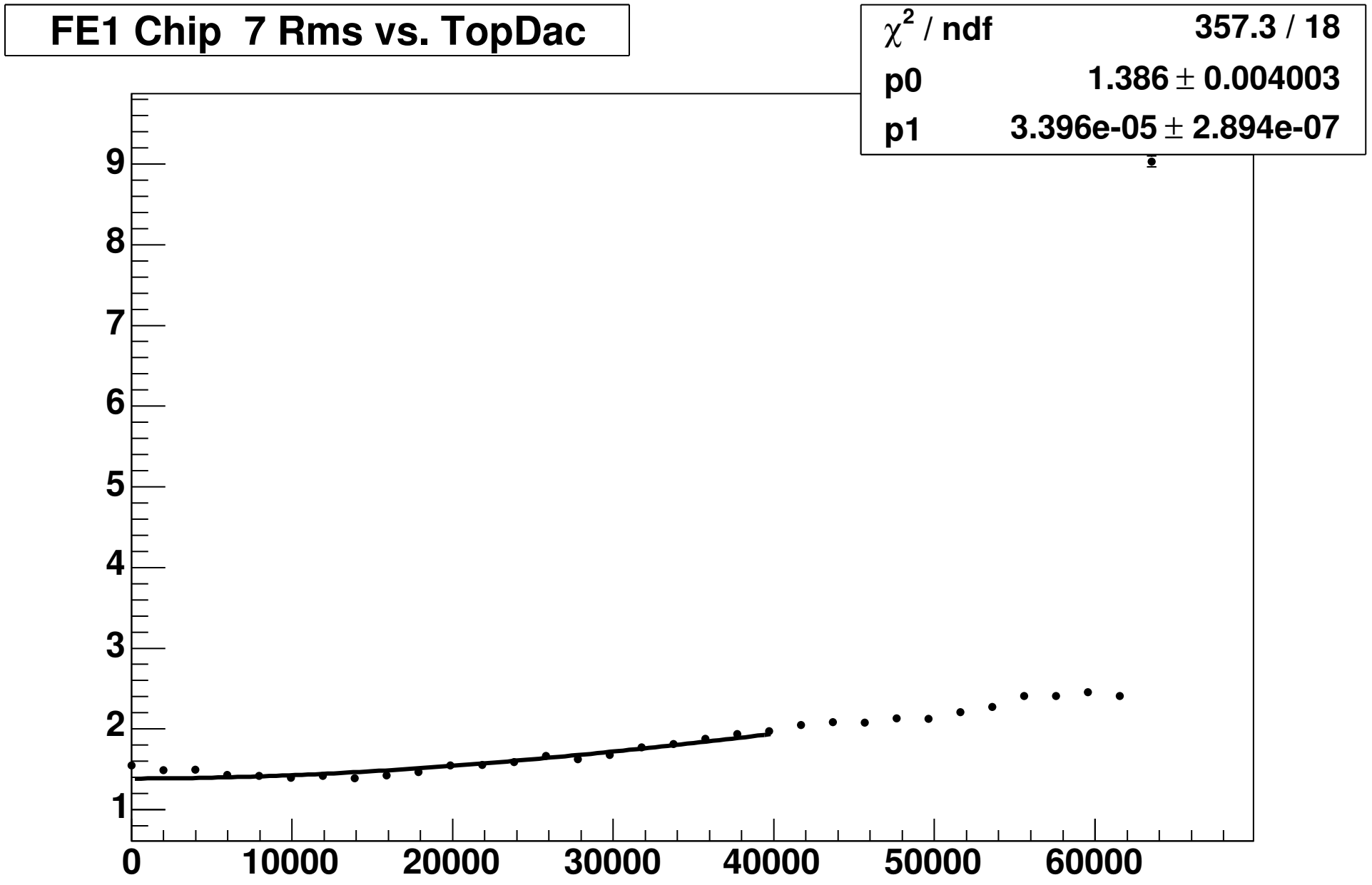

FE1 Chip 6 Mean vs. TopDac
χ² / ndf 3.273e+04 / 18
p0 36.99 ± 0.007355
p1 0.4509 ± 3.396e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

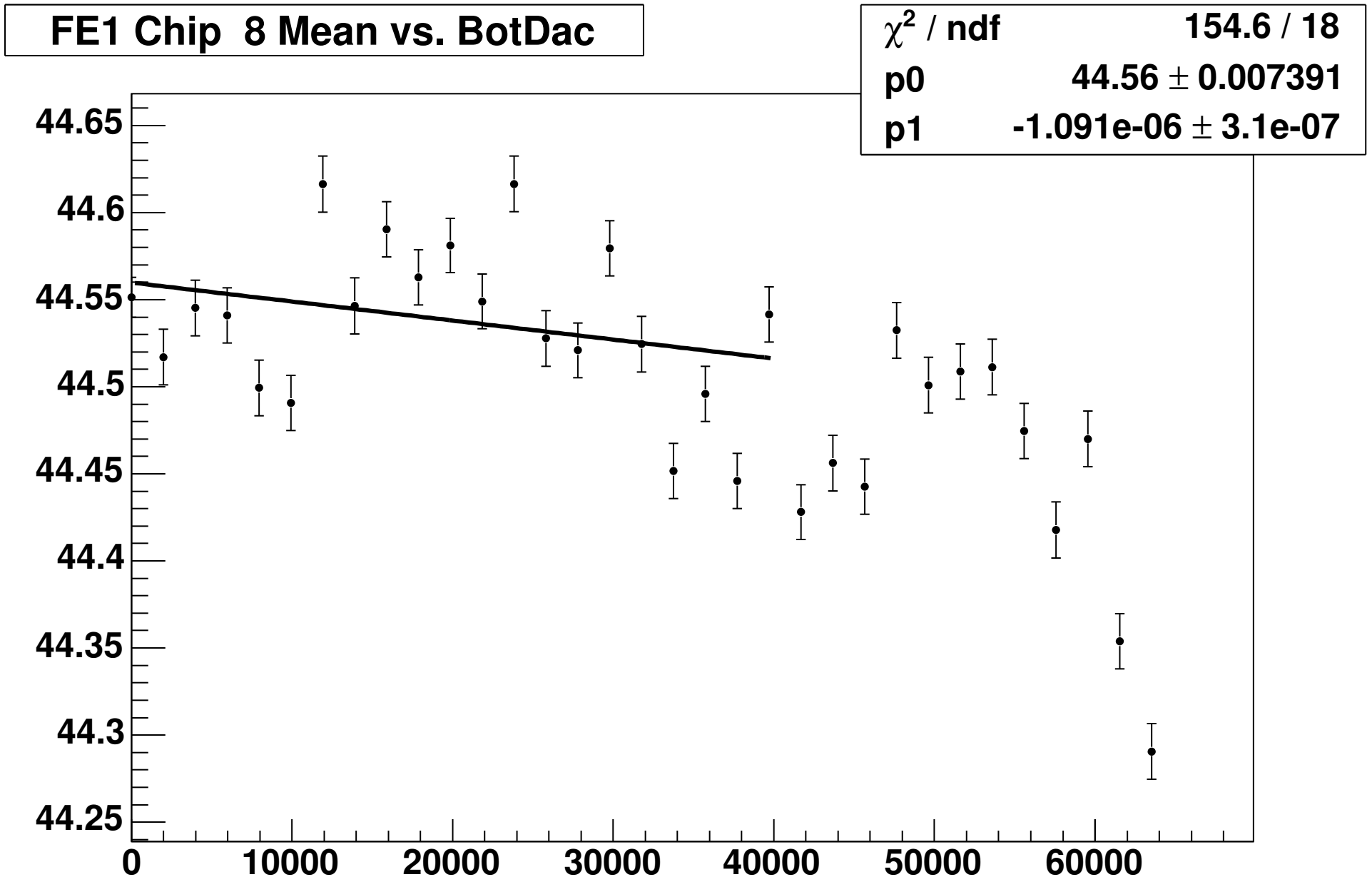

FE1 Chip 6 Rms vs. TopDac
χ² / ndf 253.3 / 18
p0 1.383 ± 0.003986
p1 3.354e-05 ± 2.9e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

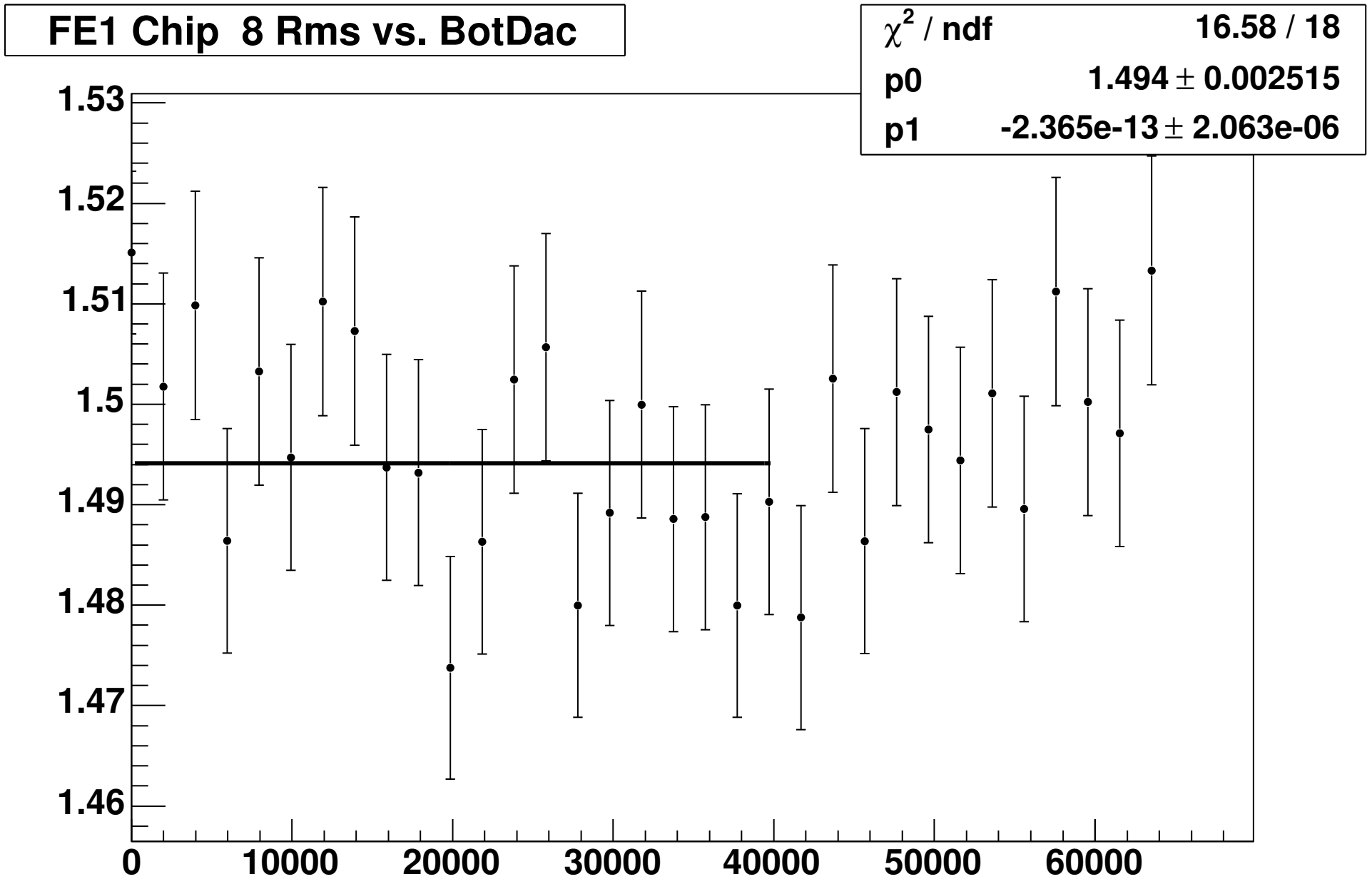

FE1 Chip 7 Mean vs. BotDac
χ² / ndf 150.6 / 18
p0 36.93 ± 0.007431
p1 -9.394e-07 ± 3.124e-07
37.05
37
36.95
36.9
36.85
36.8
36.75
36.7
36.65
0
10000
20000
30000
40000
50000
60000

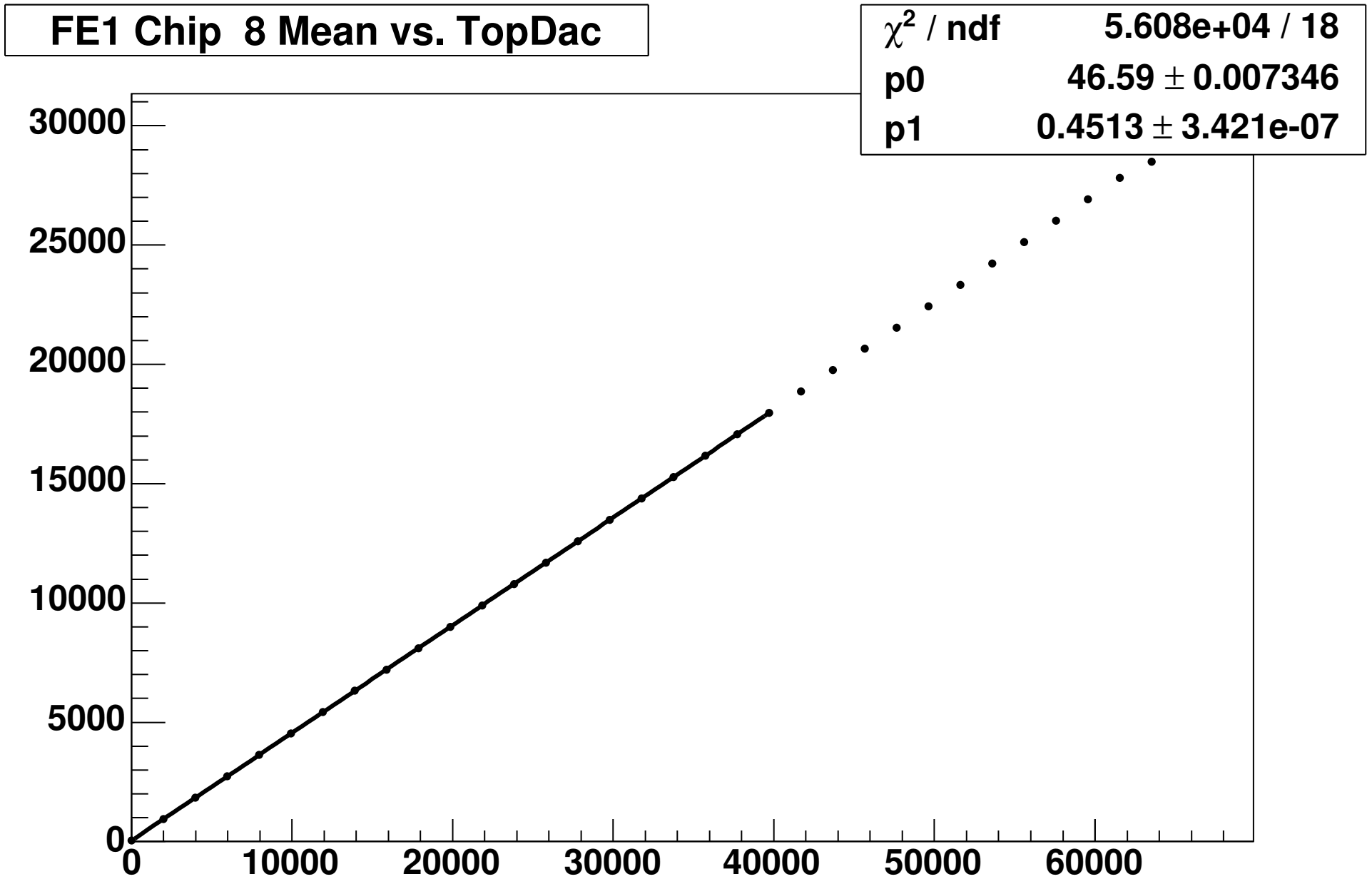

FE1 Chip 7 Rms vs. BotDac
χ² / ndf 9.751 / 18
p0 1.508 ± 0.002538
p1 -1.398e-13 ± 6.432e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

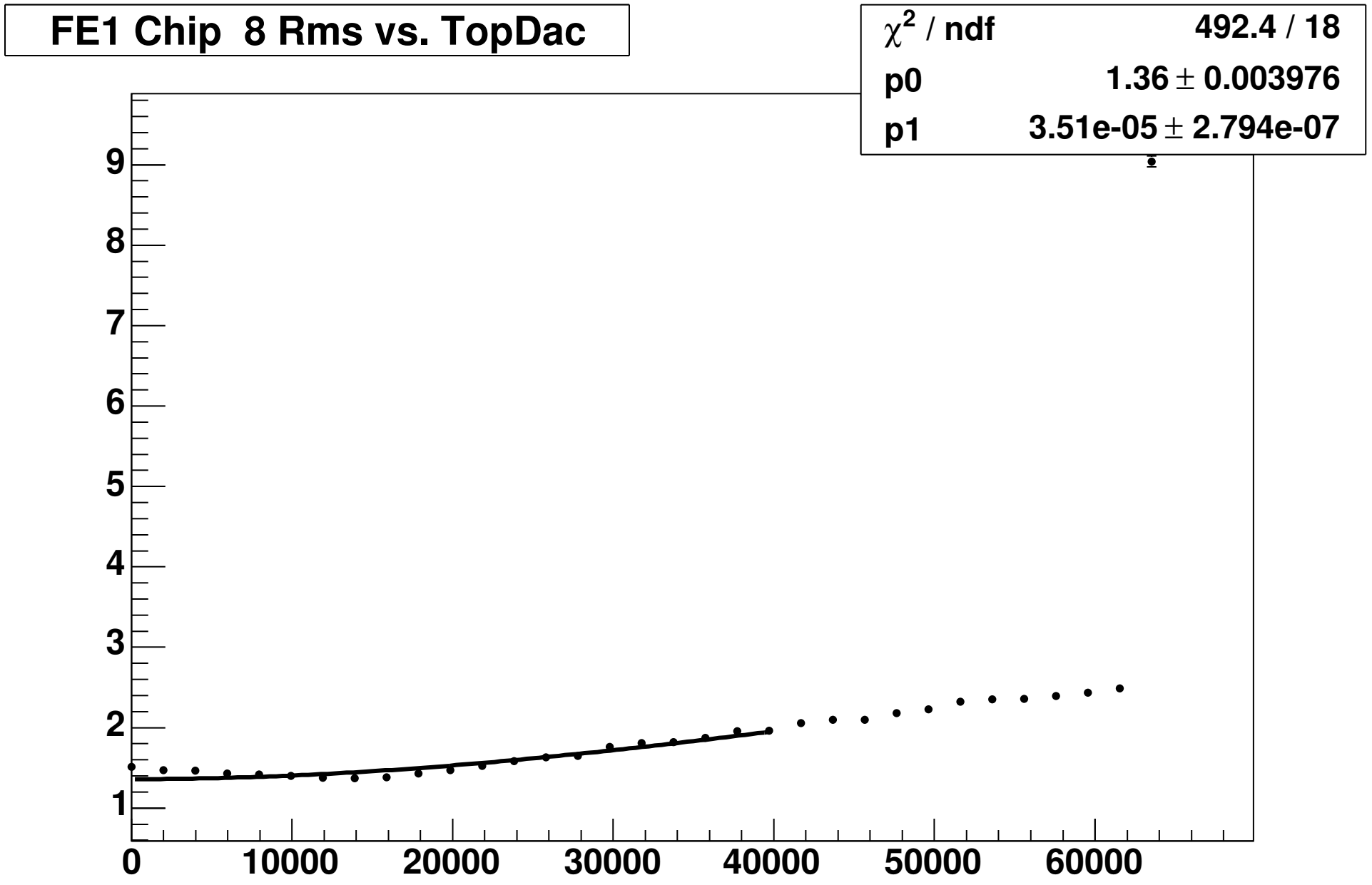

FE1 Chip 7 Mean vs. TopDac
χ² / ndf 6.454e+04 / 18
p0 38.57 ± 0.007404
p1 0.4509 ± 3.422e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

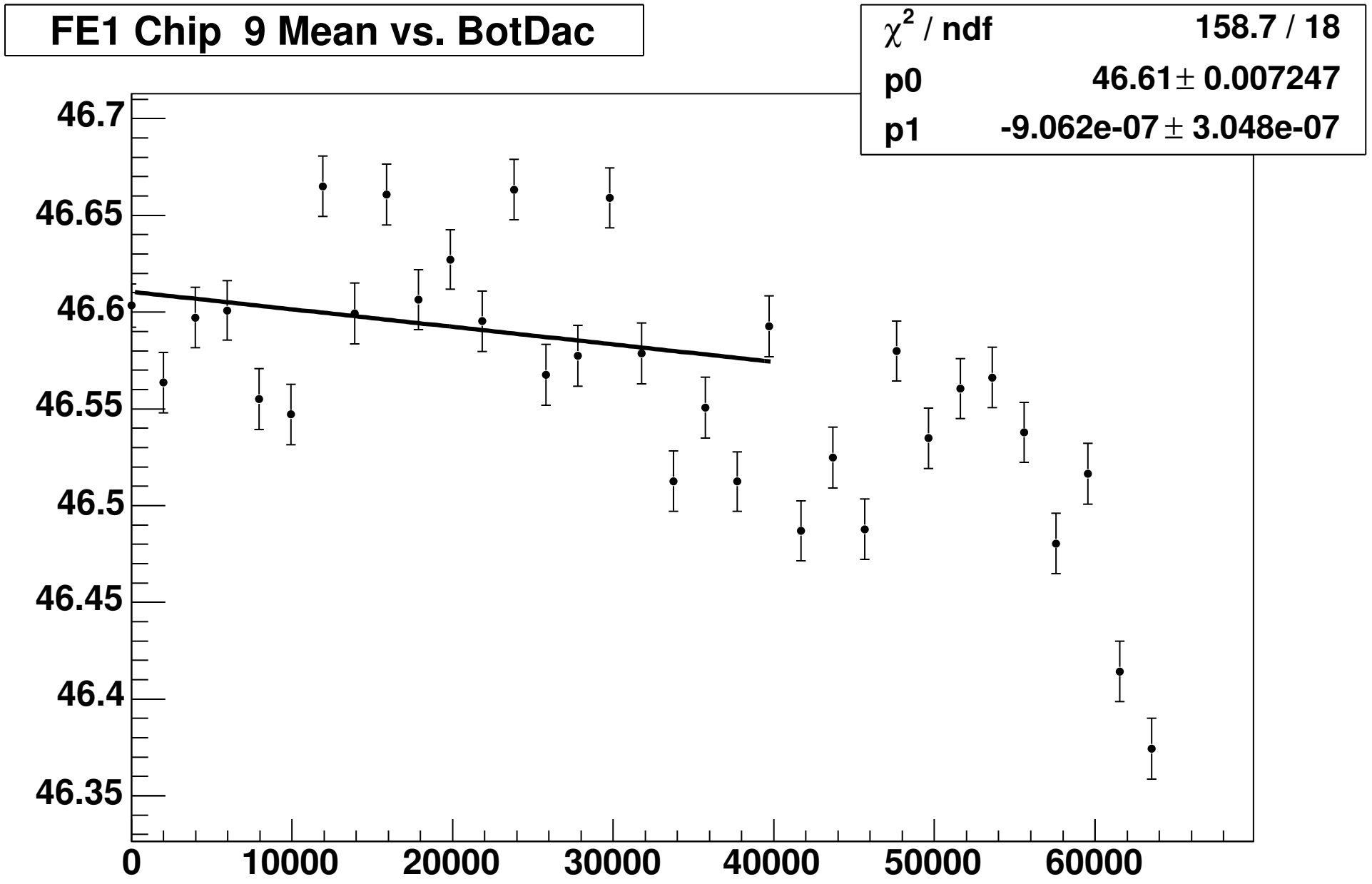

FE1 Chip 7 Rms vs. TopDac
χ² / ndf 357.3 / 18
p0 1.386 ± 0.004003
p1 3.396e-05 ± 2.894e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

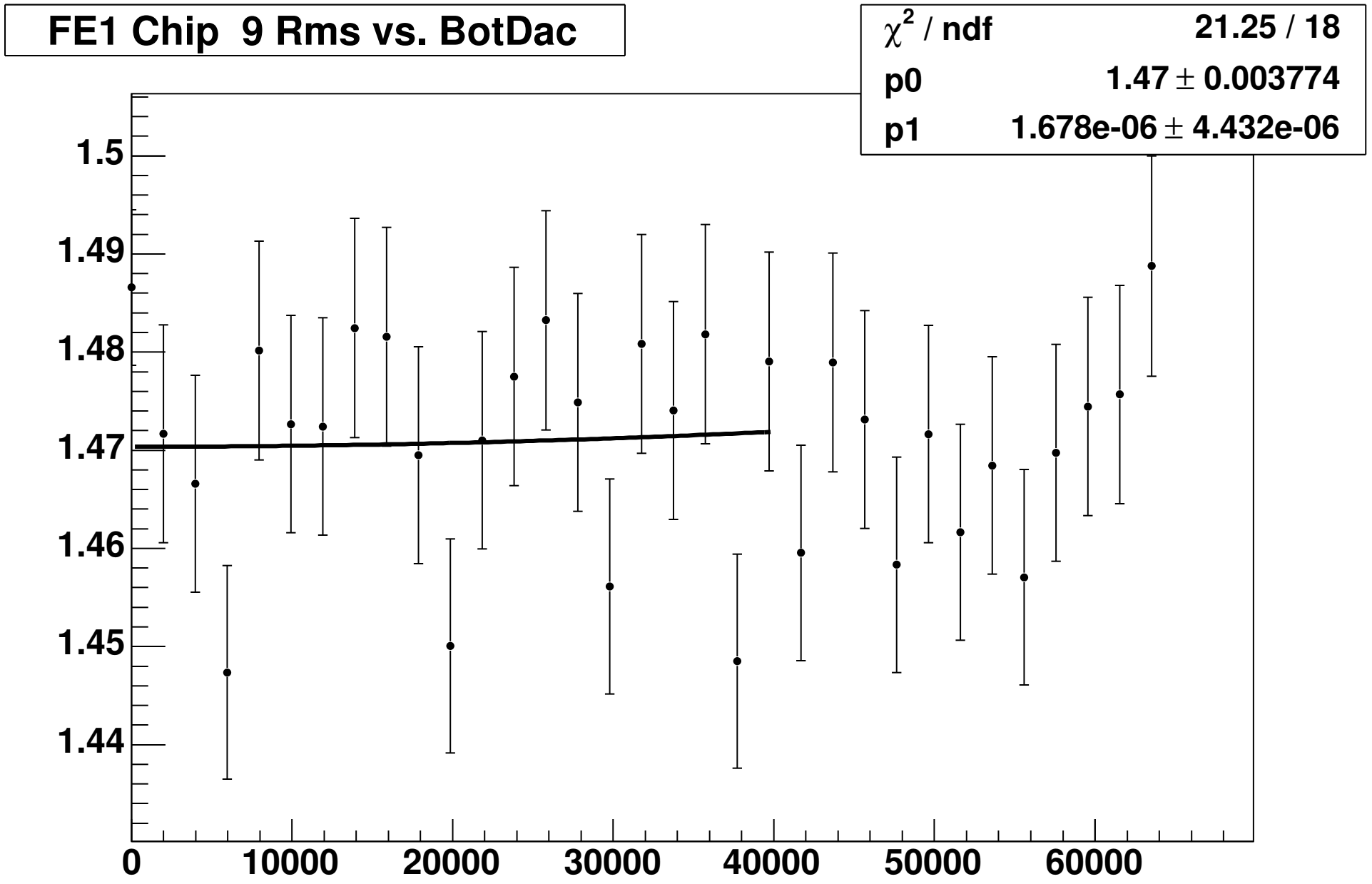

FE1 Chip 8 Mean vs. BotDac
χ² / ndf 154.6 / 18
p0 44.56 ± 0.007391
p1 -1.091e-06 ± 3.1e-07
44.65
44.6
44.55
44.5
44.45
44.4
44.35
44.3
44.25
0
10000
20000
30000
40000
50000
60000

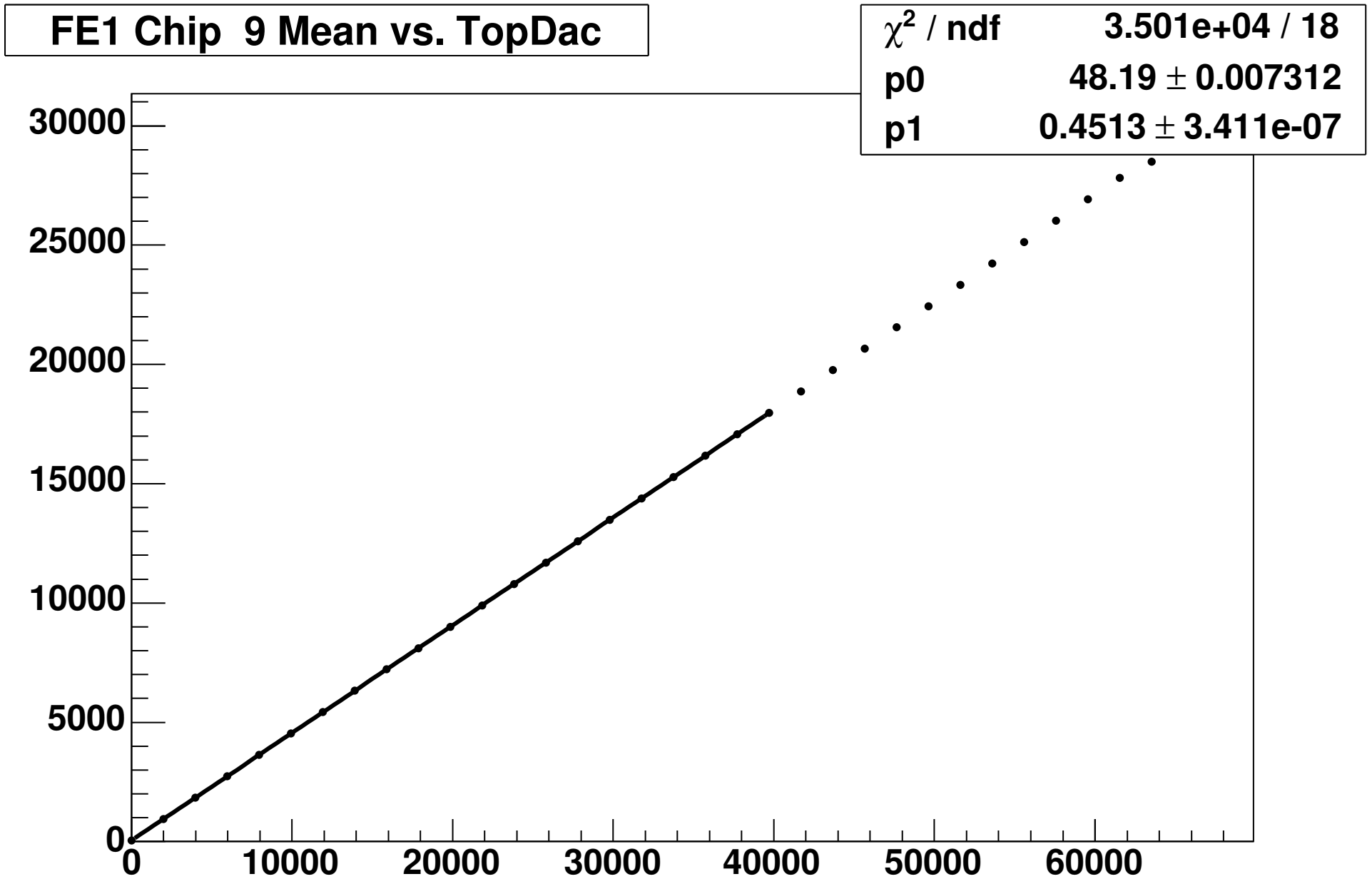

FE1 Chip 8 Rms vs. BotDac
χ² / ndf 16.58 / 18
p0 1.494 ± 0.002515
p1 -2.365e-13 ± 2.063e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Mean vs. TopDac
χ² / ndf 5.608e+04 / 18
p0 46.59 ± 0.007346
p1 0.4513 ± 3.421e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 8 Rms vs. TopDac
χ² / ndf 492.4 / 18
p0 1.36 ± 0.003976
p1 3.51e-05 ± 2.794e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Mean vs. BotDac
χ² / ndf 158.7 / 18
p0 46.61 ± 0.007247
p1 -9.062e-07 ± 3.048e-07
46.7
46.65
46.6
46.55
46.5
46.45
46.4
46.35
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. BotDac
χ² / ndf 21.25 / 18
p0 1.47 ± 0.003774
p1 1.678e-06 ± 4.432e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Mean vs. TopDac
χ² / ndf 3.501e+04 / 18
p0 48.19 ± 0.007312
p1 0.4513 ± 3.411e-07
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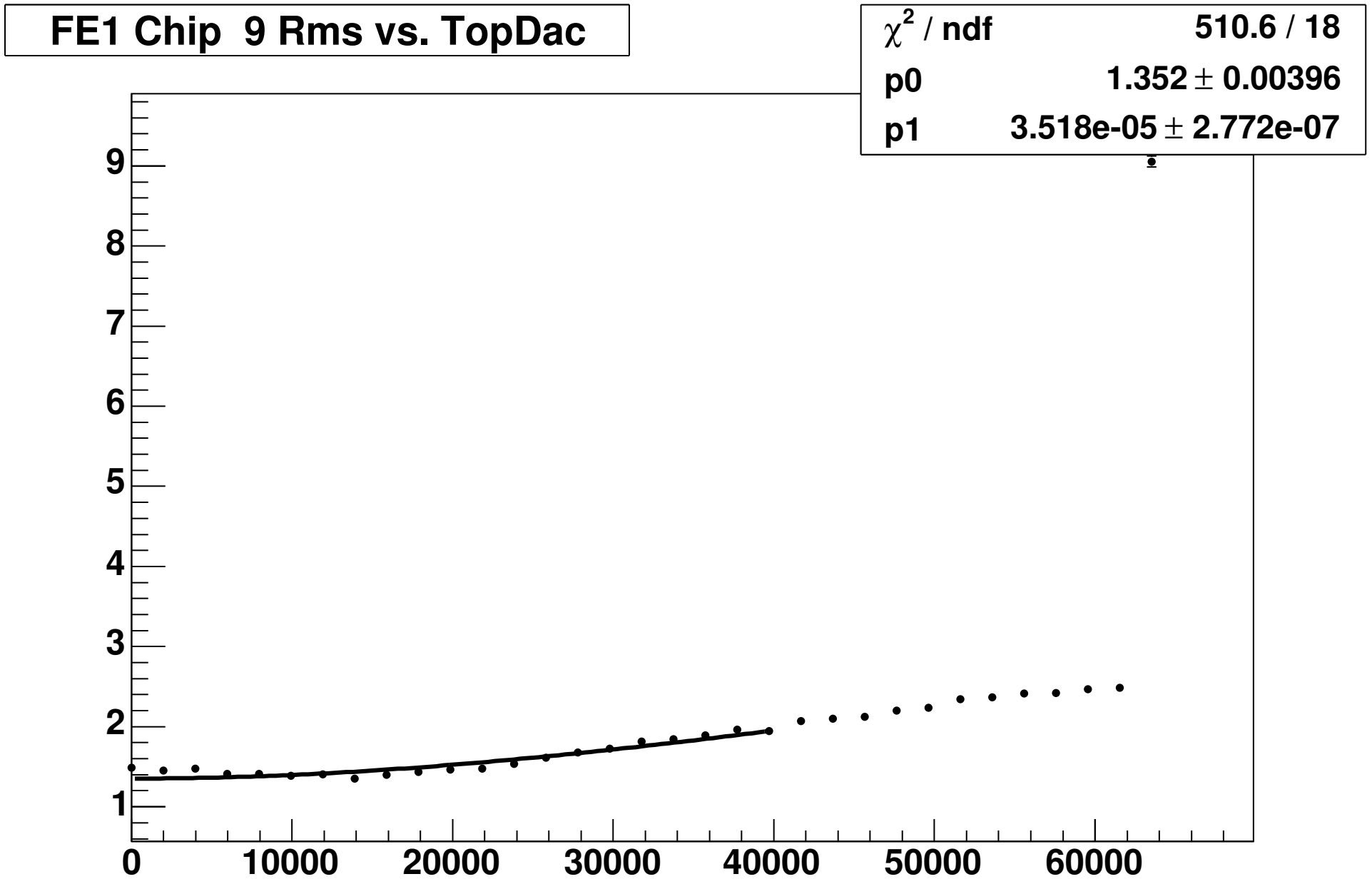
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 9 Rms vs. TopDac
χ² / ndf 510.6 / 18
p0 1.352 ± 0.00396
p1 3.518e-05 ± 2.772e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
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40000
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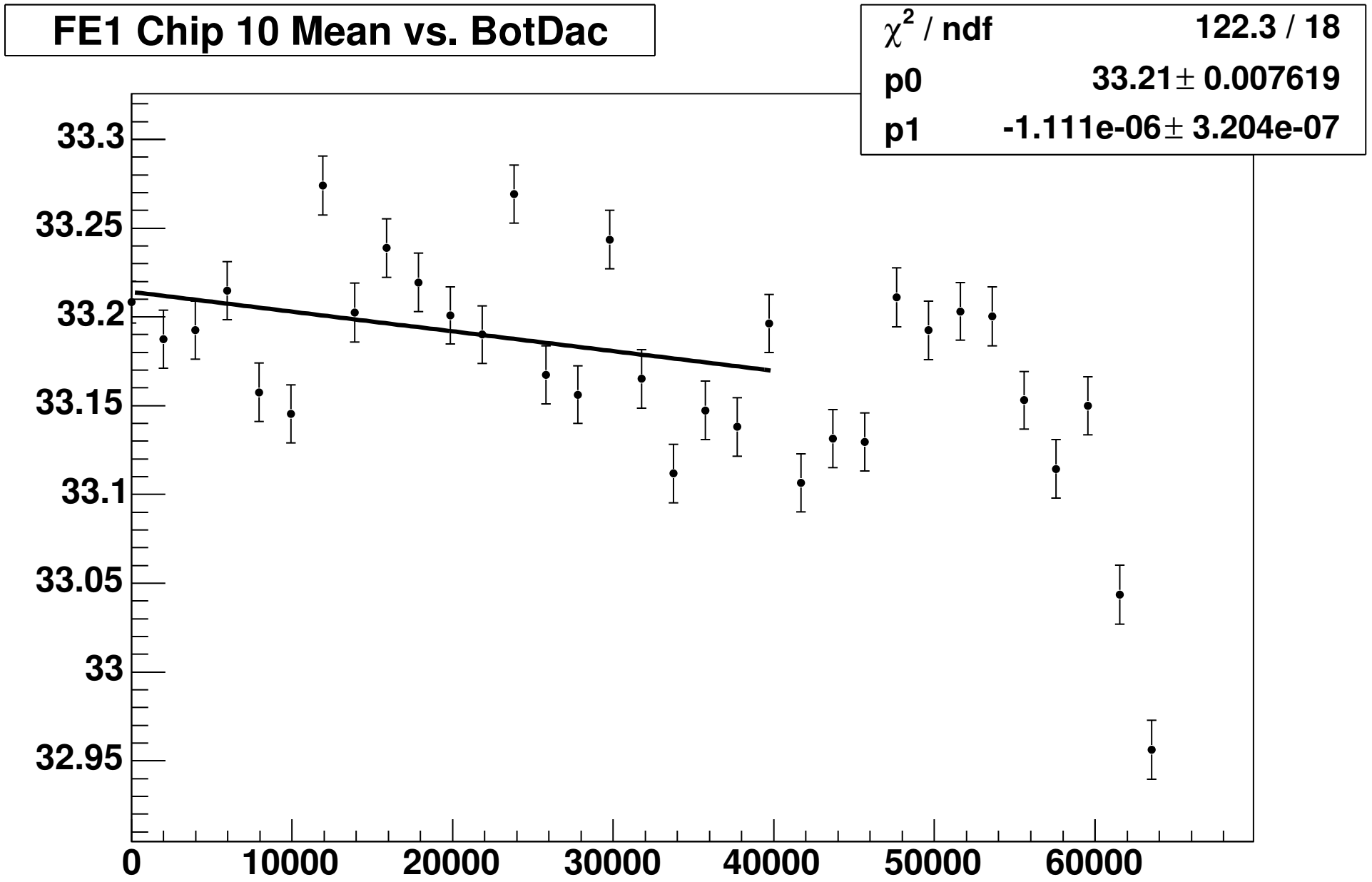
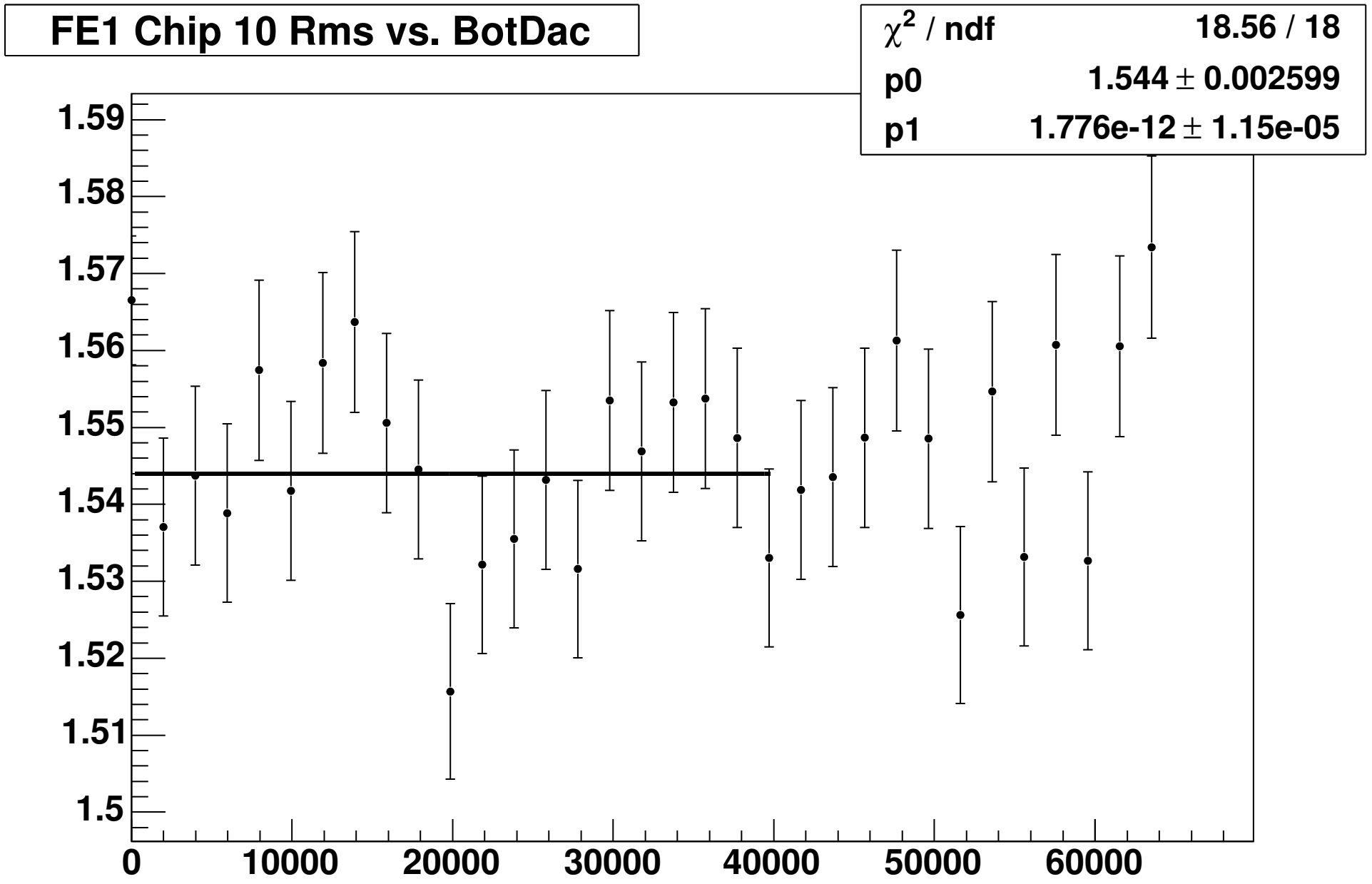
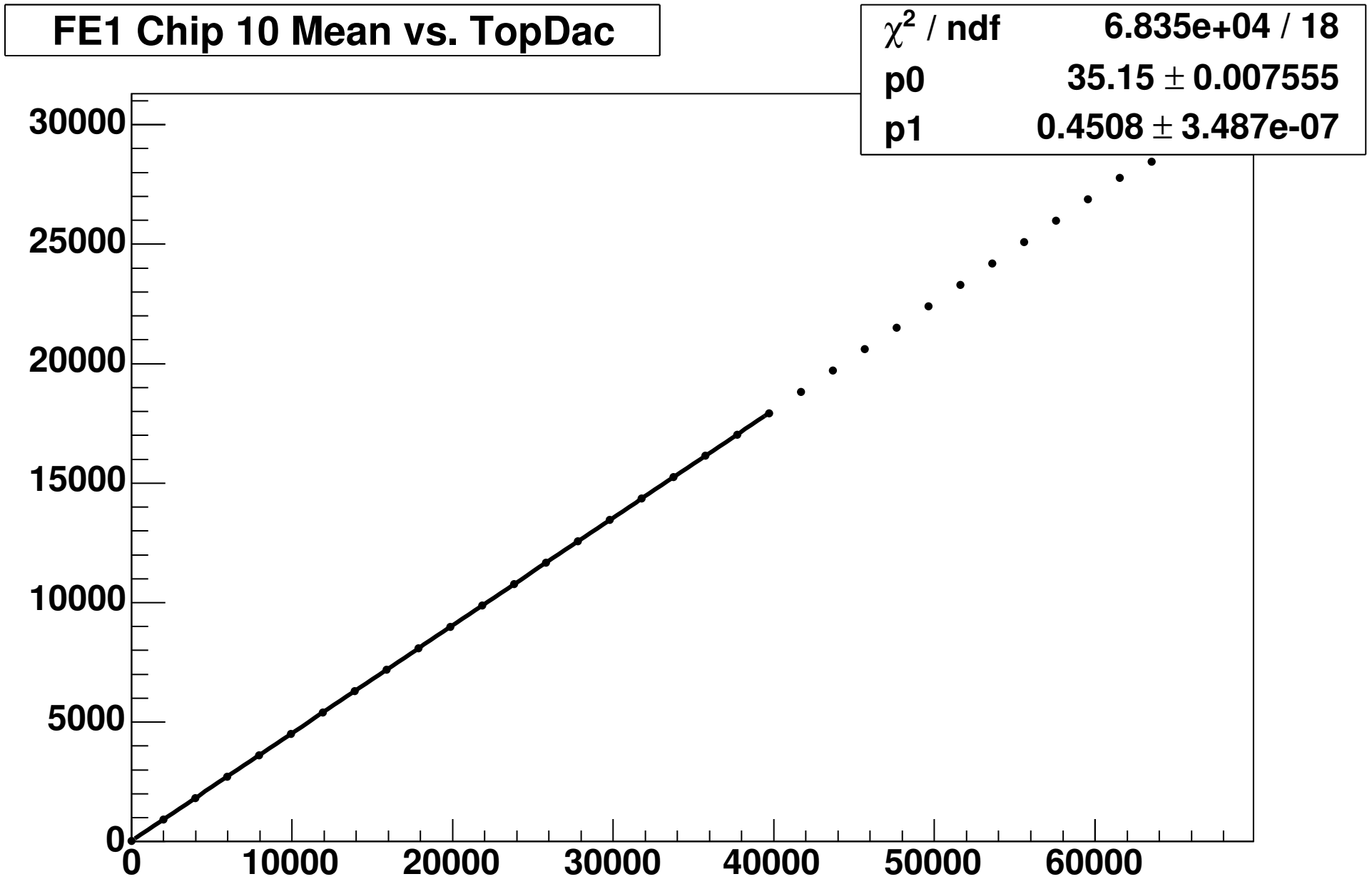
60000


FE1 Chip 10 Mean vs. BotDac
χ² / ndf 122.3 / 18
p0 33.21 ± 0.007619
p1 -1.111e-06 ± 3.204e-07
33.3
33.25
33.2
33.15
33.1
33.05
33
32.95
0
10000
20000
30000
40000
50000
60000


FE1 Chip 10 Rms vs. BotDac
χ² / ndf 18.56 / 18
p0 1.544 ± 0.002599
p1 1.776e-12 ± 1.15e-05
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


FE1 Chip 10 Mean vs. TopDac
χ² / ndf 6.835e+04 / 18
p0 35.15 ± 0.007555
p1 0.4508 ± 3.487e-07
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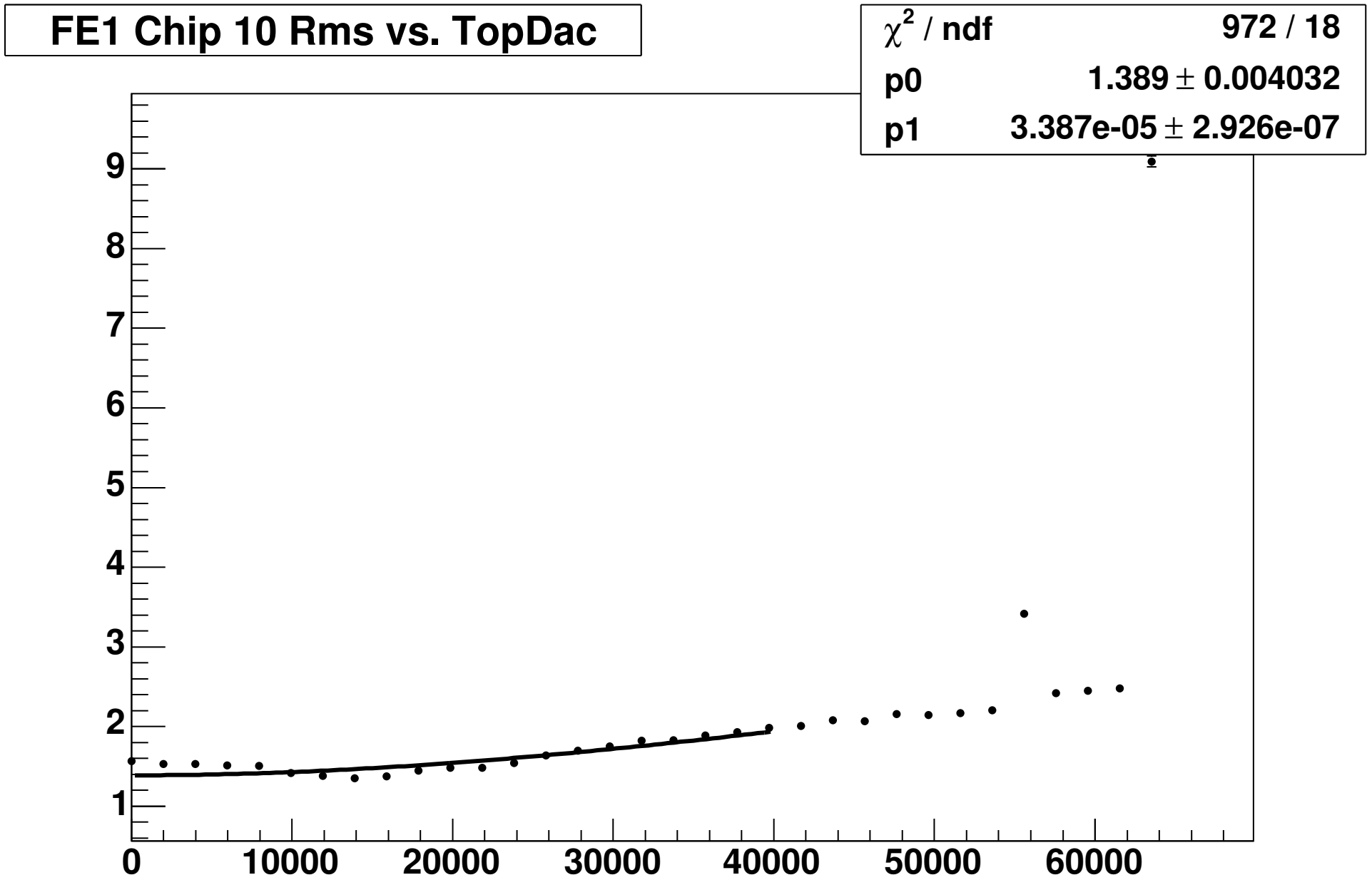
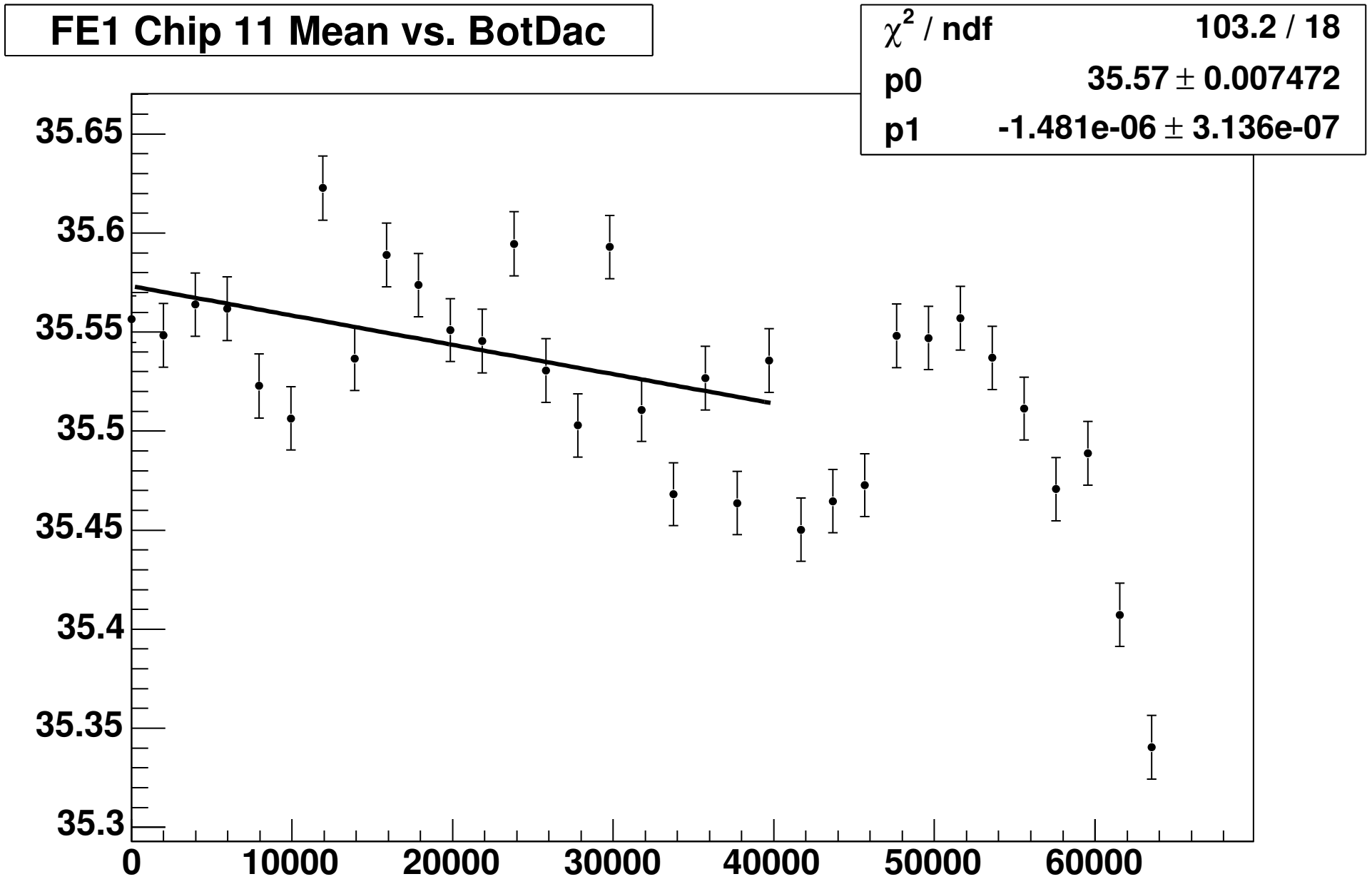
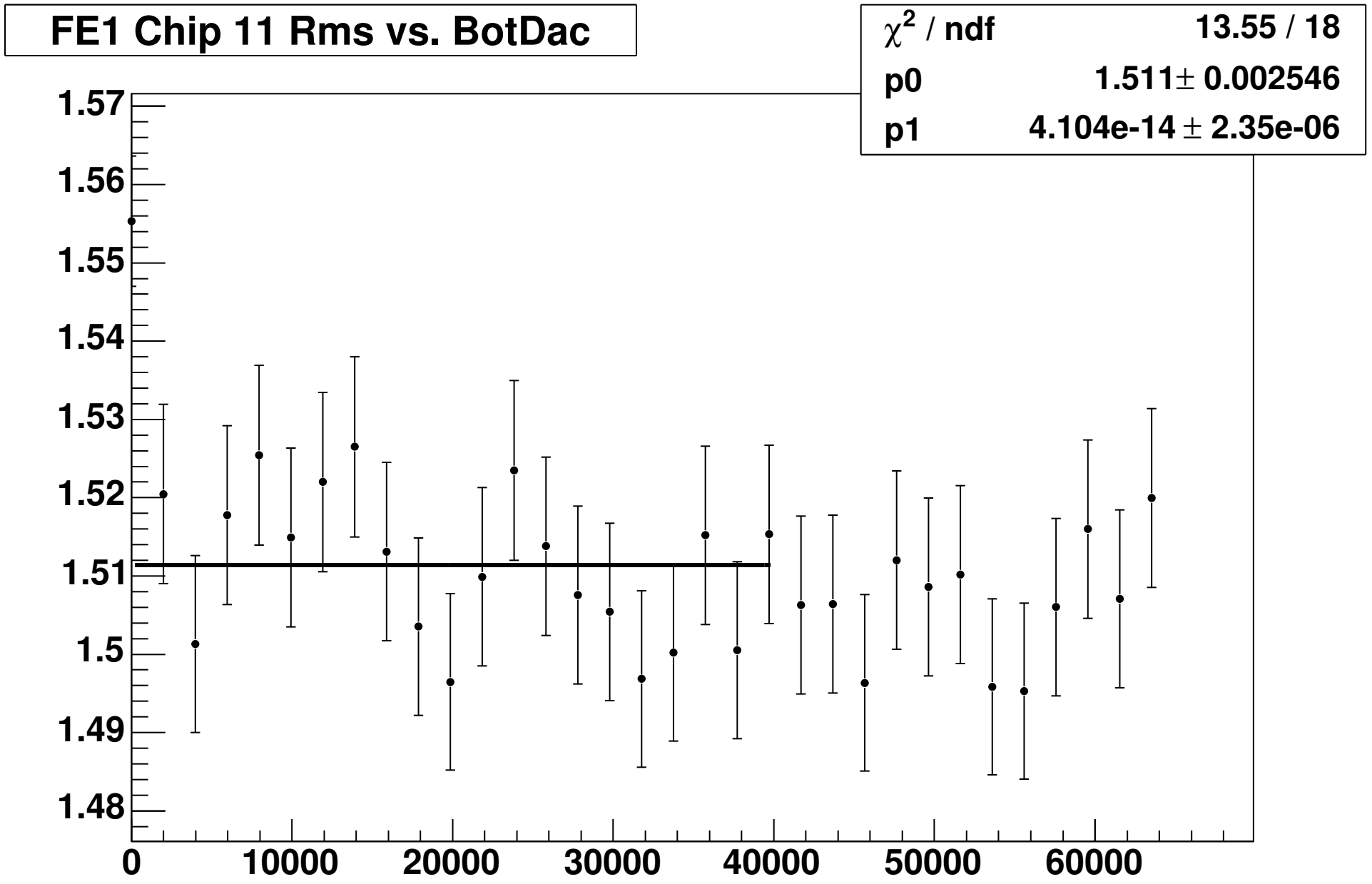
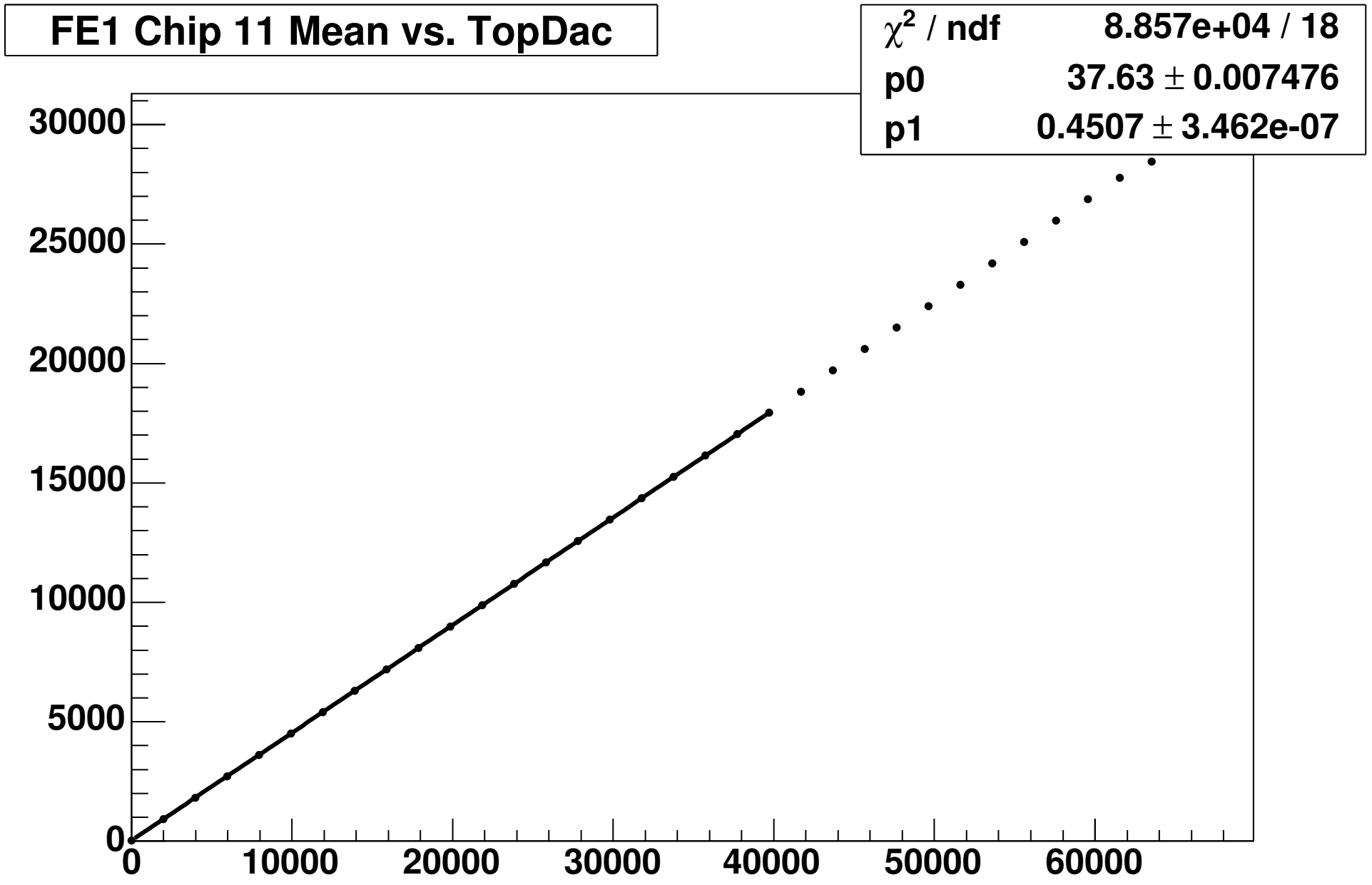
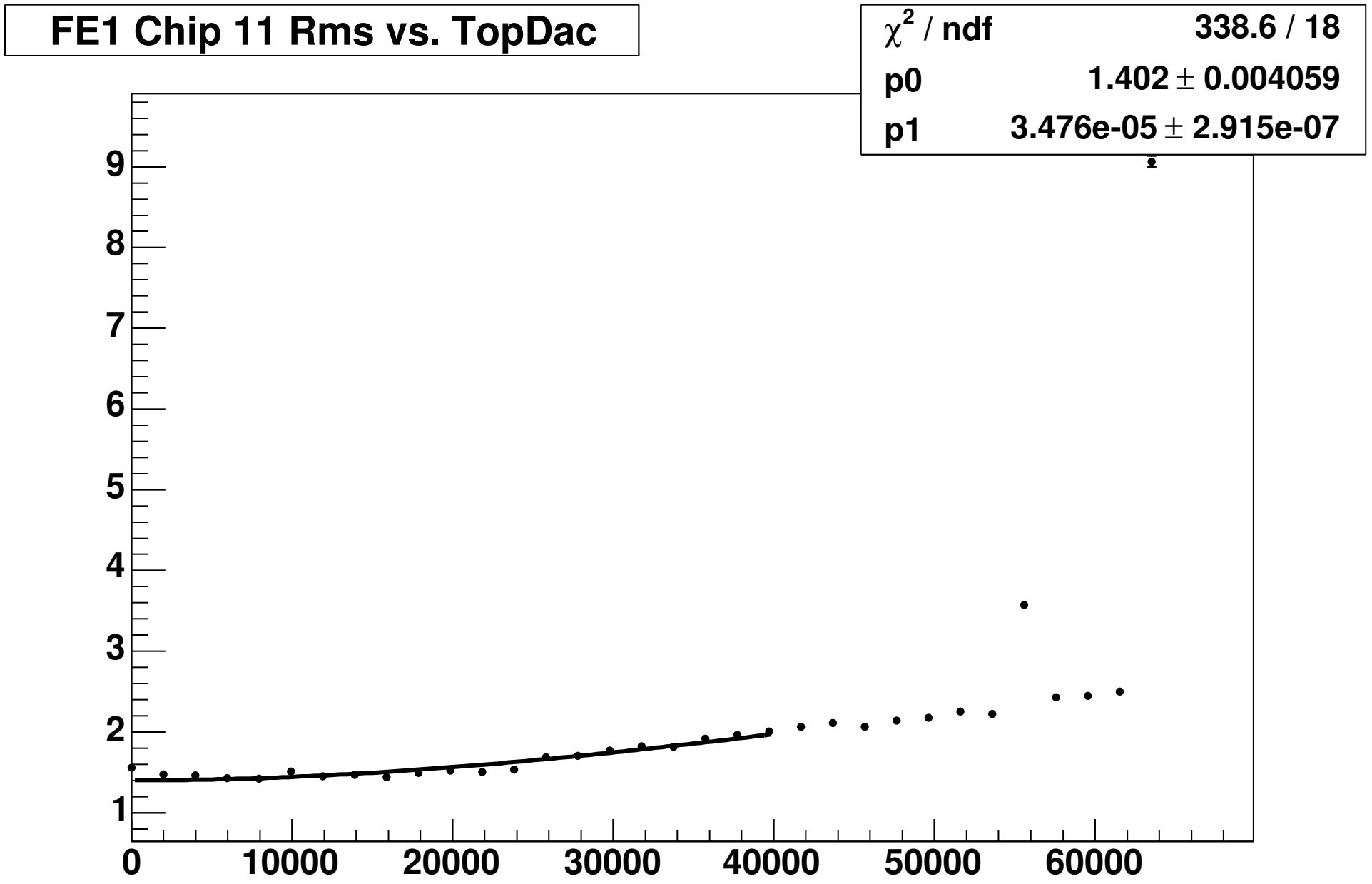
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

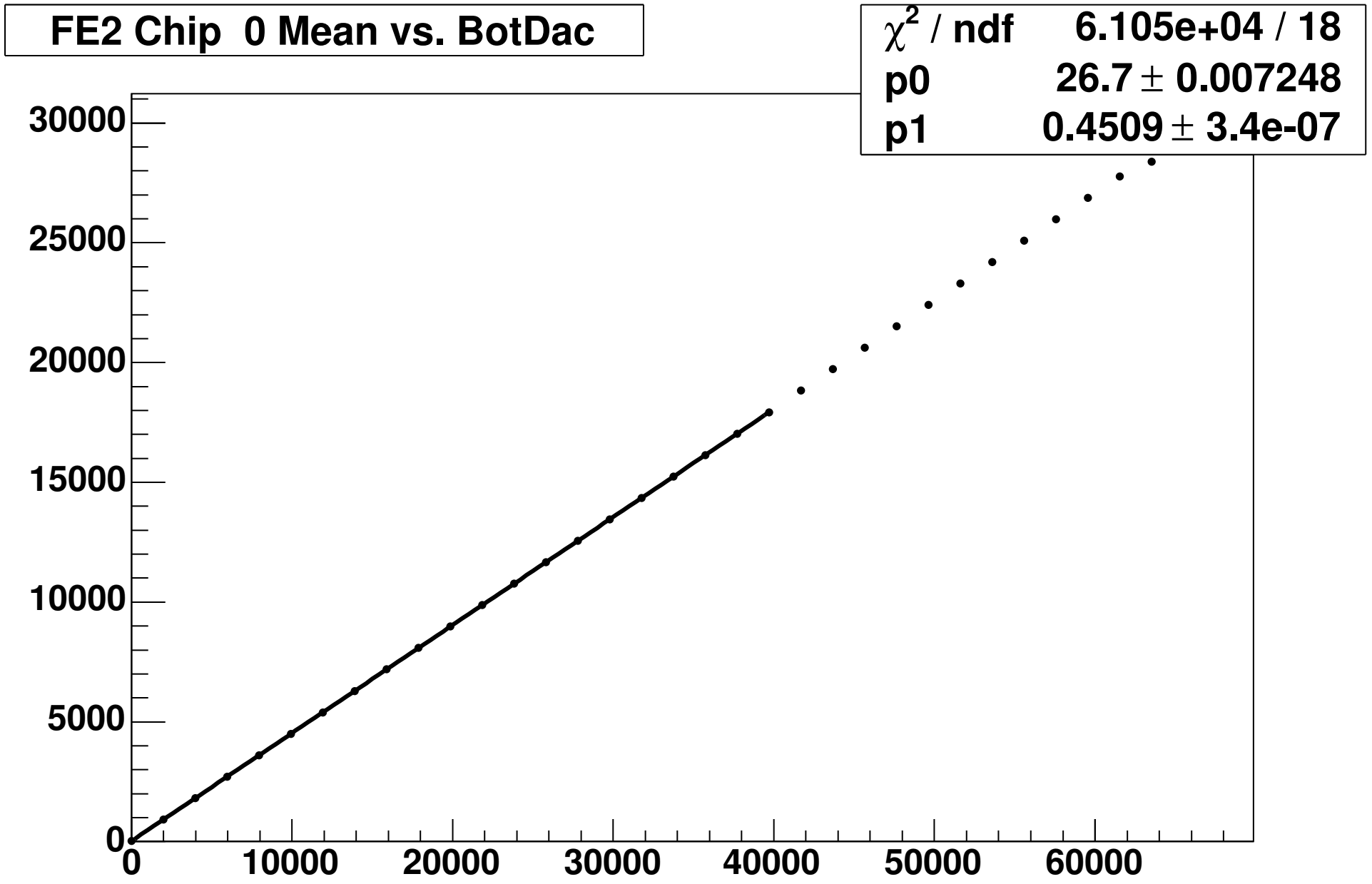

FE1 Chip 10 Rms vs. TopDac
χ² / ndf 972 / 18
p0 1.389 ± 0.004032
p1 3.387e-05 ± 2.926e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

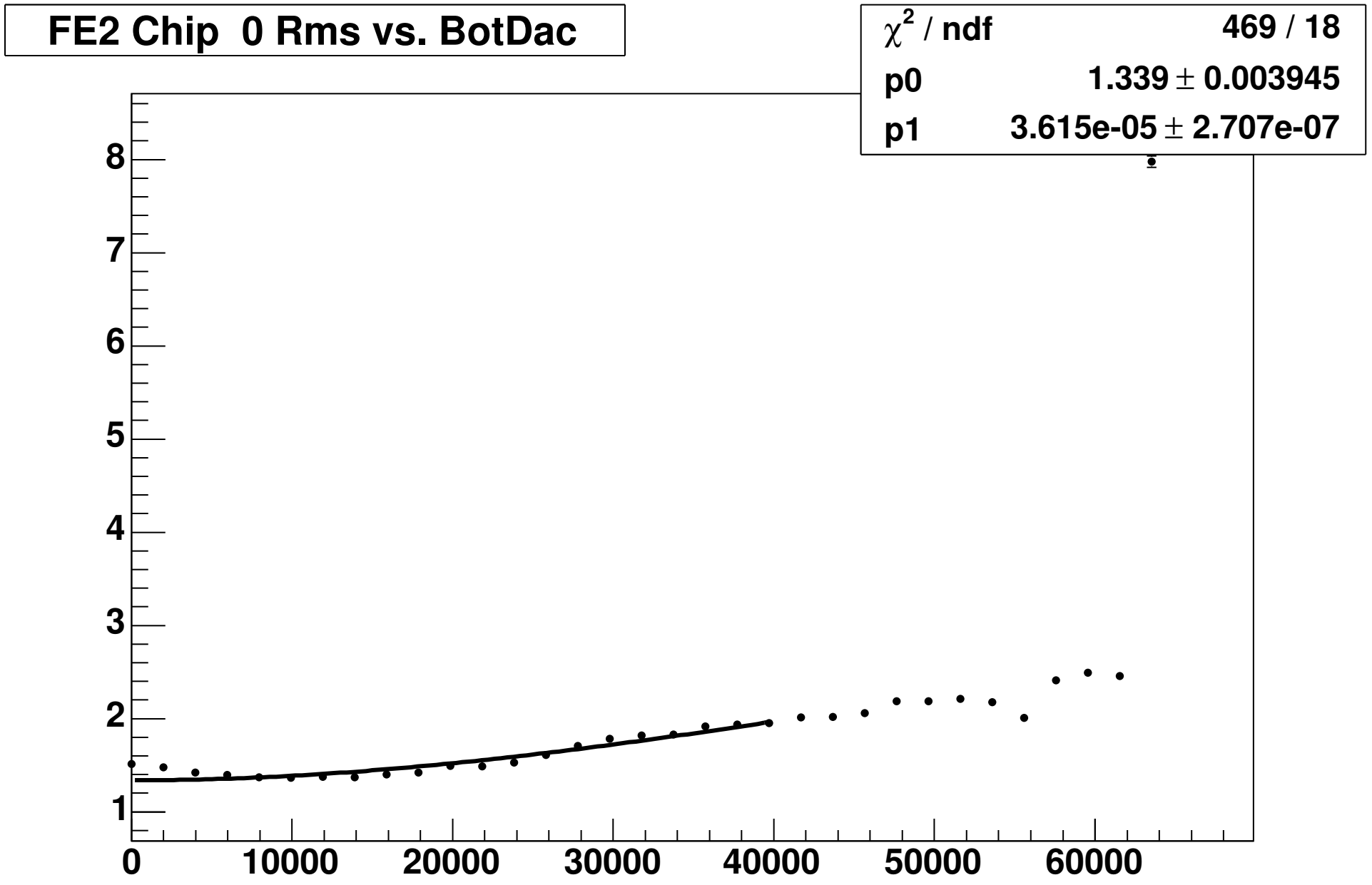

FE1 Chip 11 Mean vs. BotDac
χ² / ndf 103.2 / 18
p0 35.57 ± 0.007472
p1 -1.481e-06 ± 3.136e-07
35.65
35.6
35.55
35.5
35.45
35.4
35.35
35.3
0
10000
20000
30000
40000
50000
60000

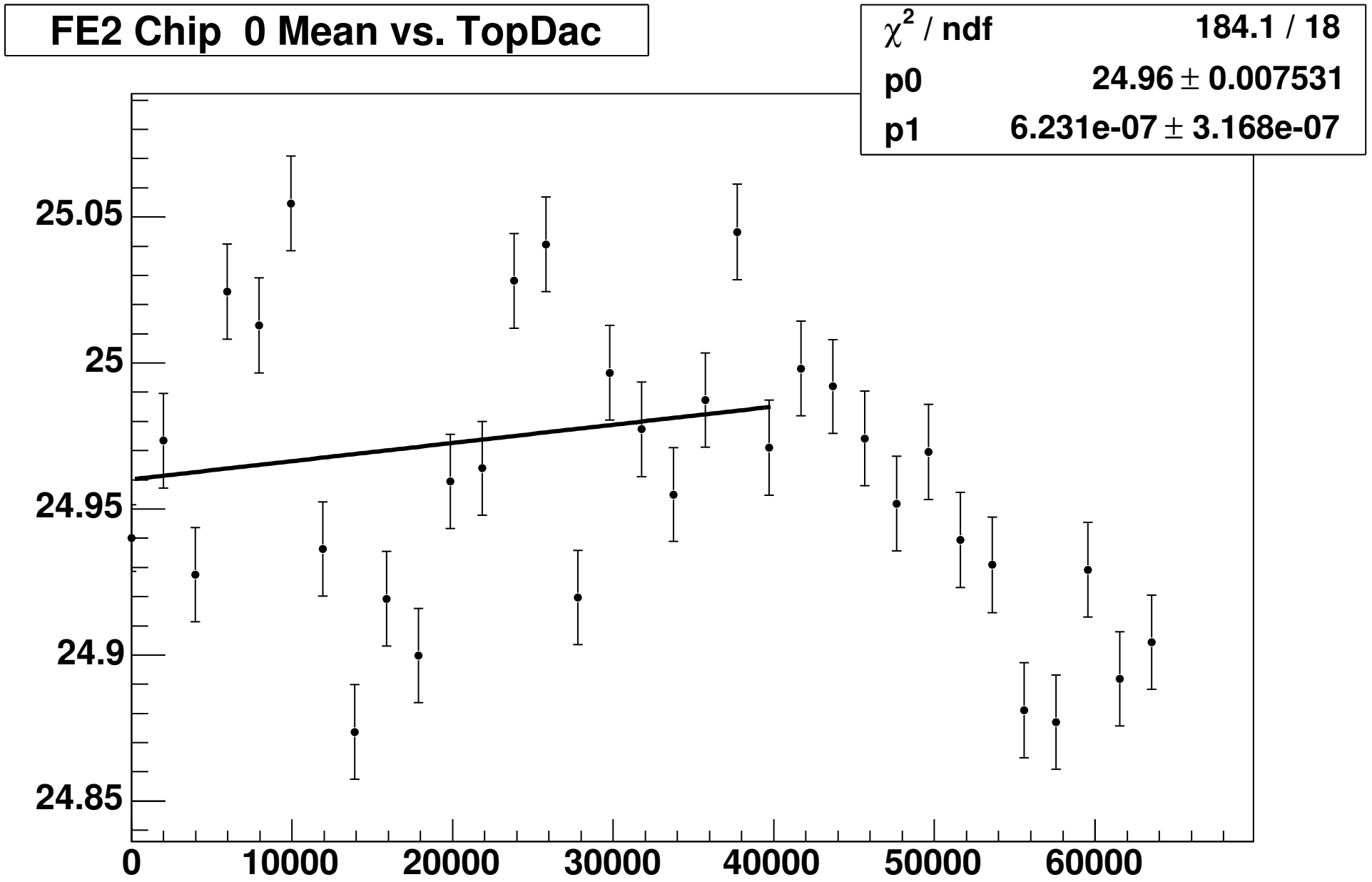

FE1 Chip 11 Rms vs. BotDac
χ² / ndf 13.55 / 18
p0 1.511 ± 0.002546
p1 4.104e-14 ± 2.35e-06
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
20000
30000
40000
50000
60000

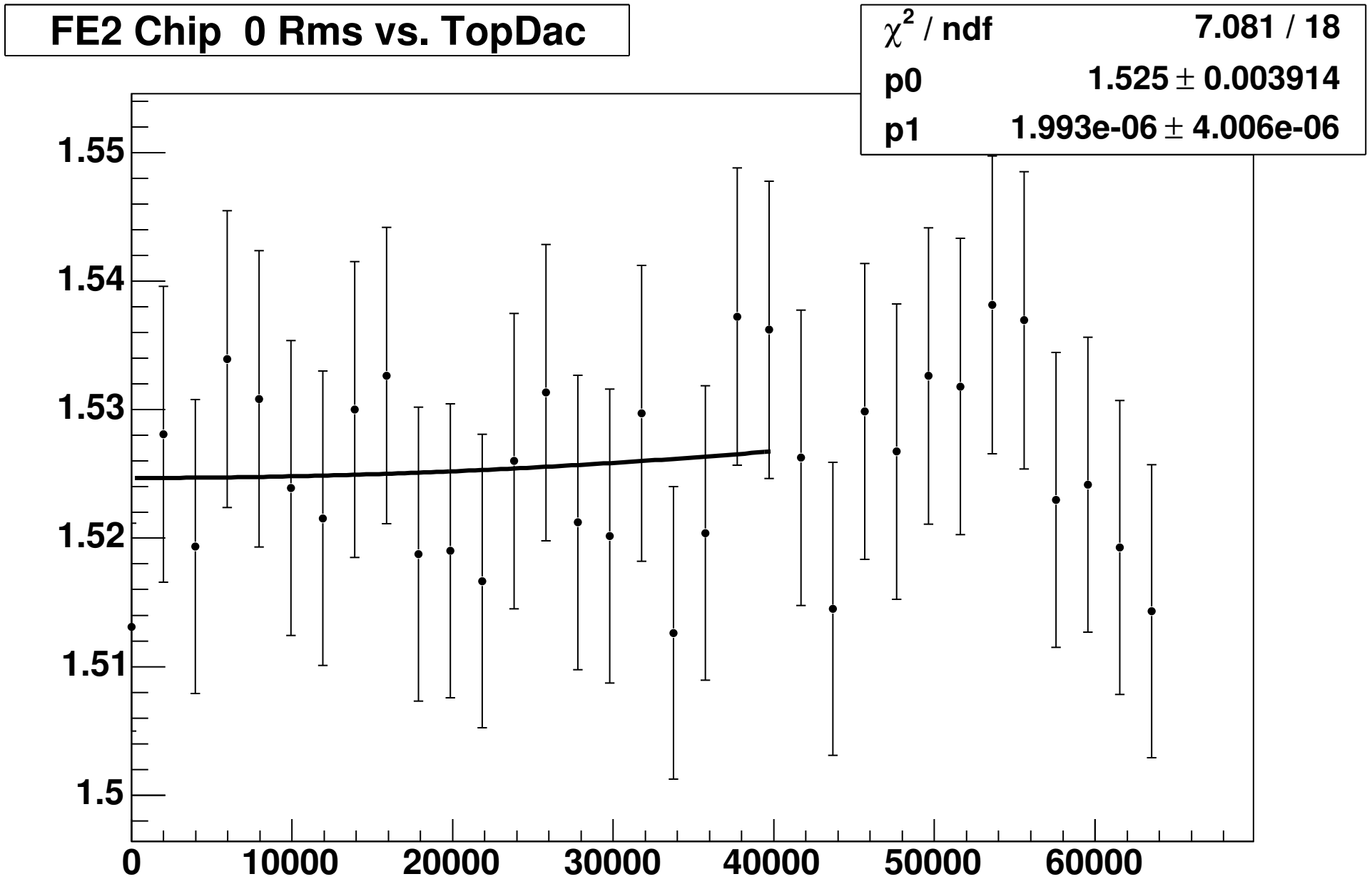

FE1 Chip 11 Mean vs. TopDac
χ² / ndf 8.857e+04 / 18
p0 37.63 ± 0.007476
p1 0.4507 ± 3.462e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE1 Chip 11 Rms vs. TopDac
χ² / ndf 338.6 / 18
p0 1.402 ± 0.004059
p1 3.476e-05 ± 2.915e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. BotDac
χ² / ndf 6.105e+04 / 18
p0 26.7 ± 0.007248
p1 0.4509 ± 3.4e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. BotDac
χ² / ndf 469 / 18
p0 1.339 ± 0.003945
p1 3.615e-05 ± 2.707e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Mean vs. TopDac
χ² / ndf 184.1 / 18
p0 24.96 ± 0.007531
p1 6.231e-07 ± 3.168e-07
25.05
25
24.95
24.9
24.85
0
10000
20000
30000
40000
50000
60000


FE2 Chip 0 Rms vs. TopDac
χ² / ndf 7.081 / 18
p0 1.525 ± 0.003914
p1 1.993e-06 ± 4.006e-06
1.55
1.54
1.53
1.52
1.51
1.5
0
10000
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30000
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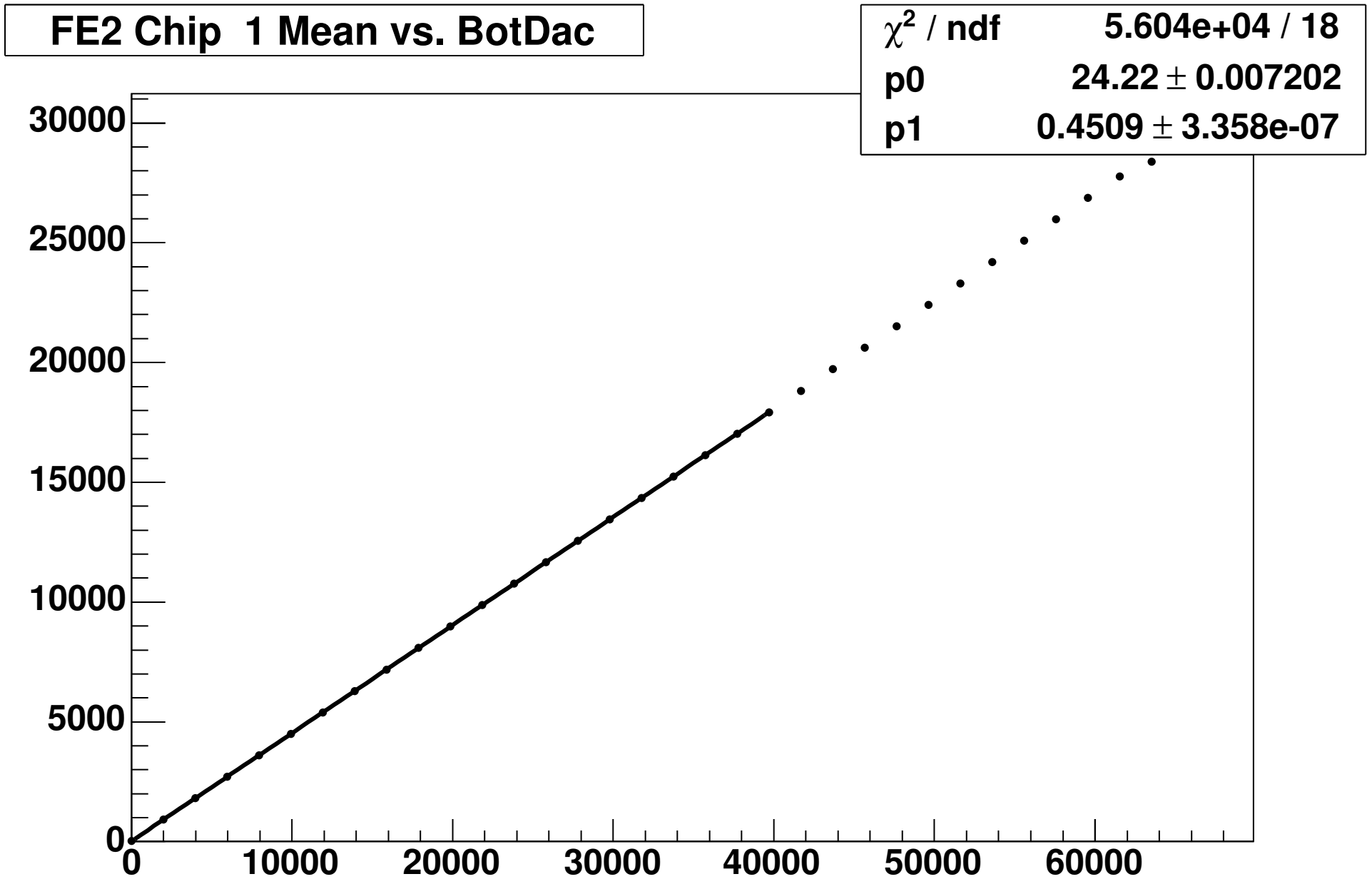
50000
60000


FE2 Chip 1 Mean vs. BotDac
χ² / ndf 5.604e+04 / 18
p0 24.22 ± 0.007202
p1 0.4509 ± 3.358e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
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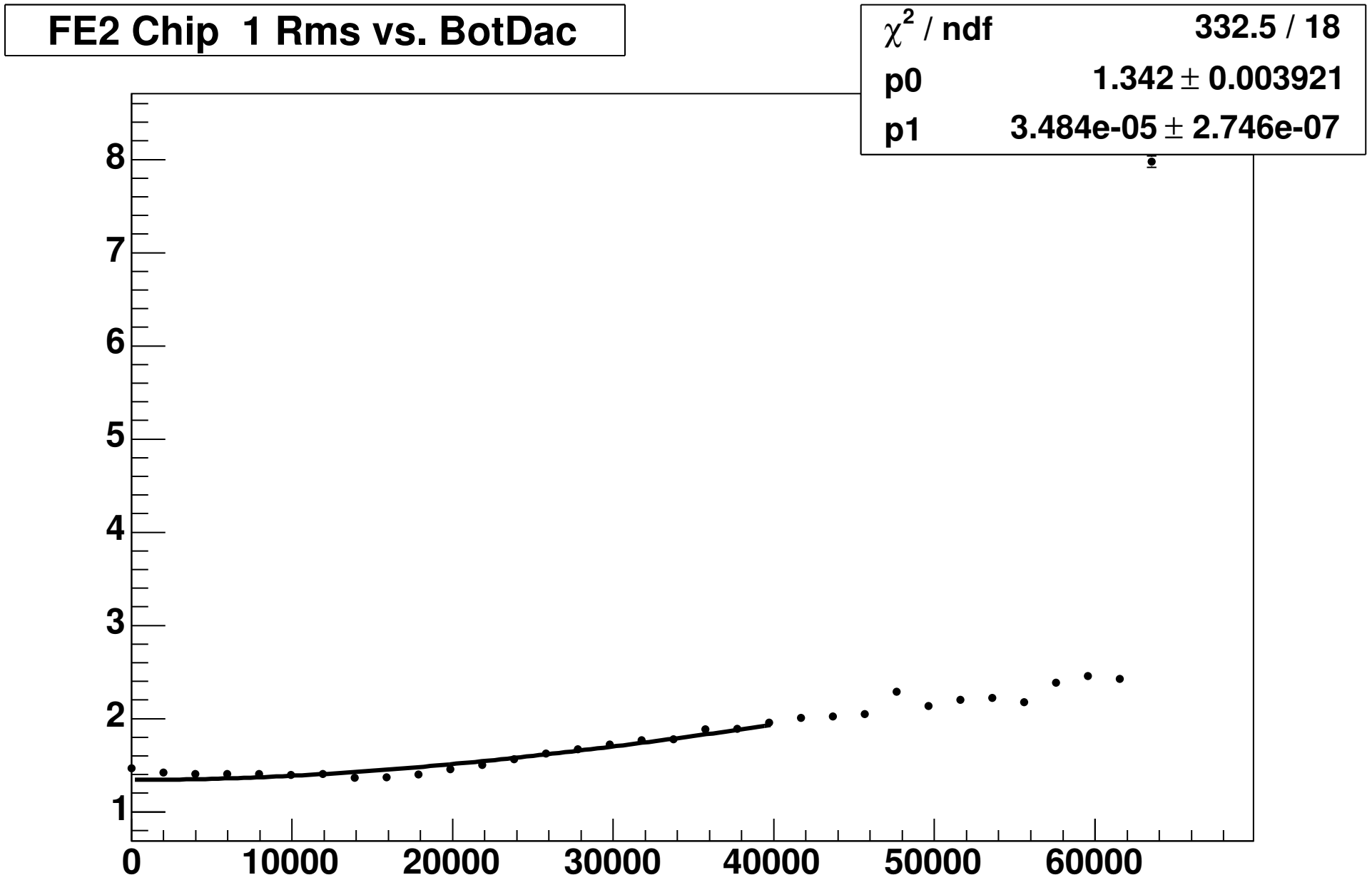
40000
50000
60000


FE2 Chip 1 Rms vs. BotDac
χ² / ndf 332.5 / 18
p0 1.342 ± 0.003921
p1 3.484e-05 ± 2.746e-07
8
7
6
5
4
3
2
1
0
10000
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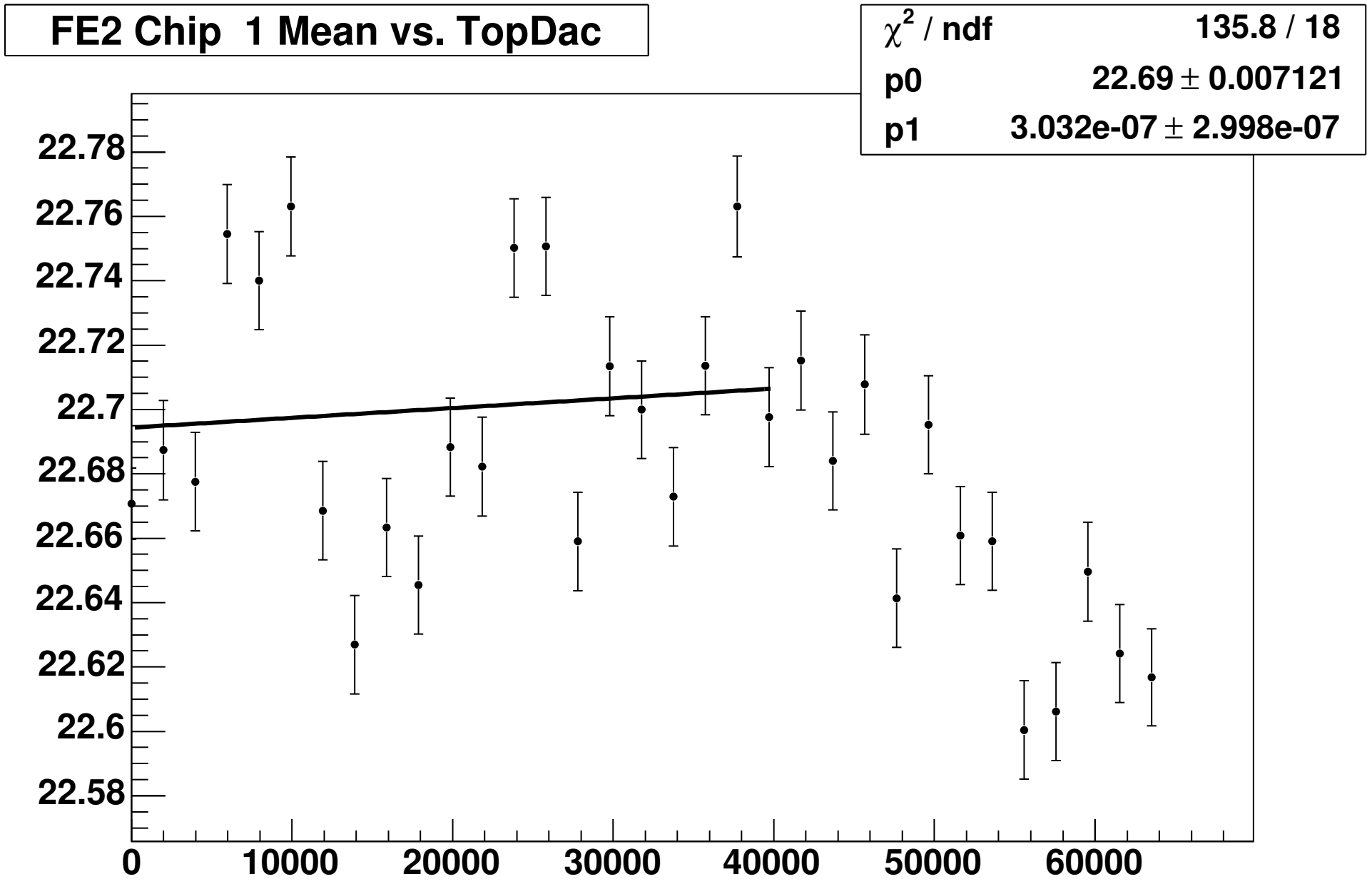
FE2 Chip 1 Mean vs. TopDac
χ² / ndf 135.8 / 18
p0 22.69 ± 0.007121
p1 3.032e-07 ± 2.998e-07
22.78
22.76
22.74
22.72
22.7
22.68
22.66
22.64
22.62
22.6
22.58
0
10000
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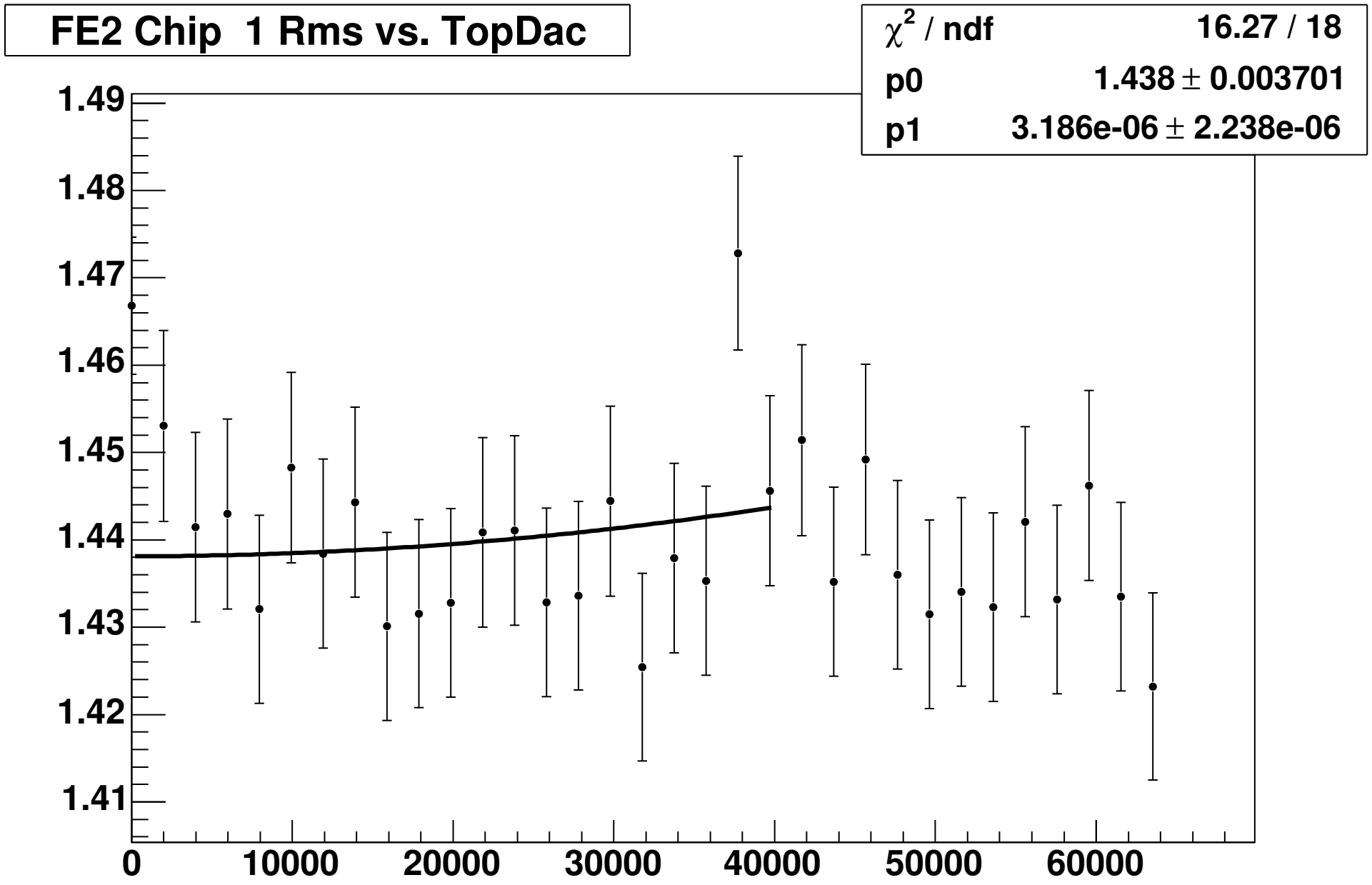
FE2 Chip 1 Rms vs. TopDac
χ² / ndf 16.27 / 18
p0 1.438 ± 0.003701
p1 3.186e-06 ± 2.238e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
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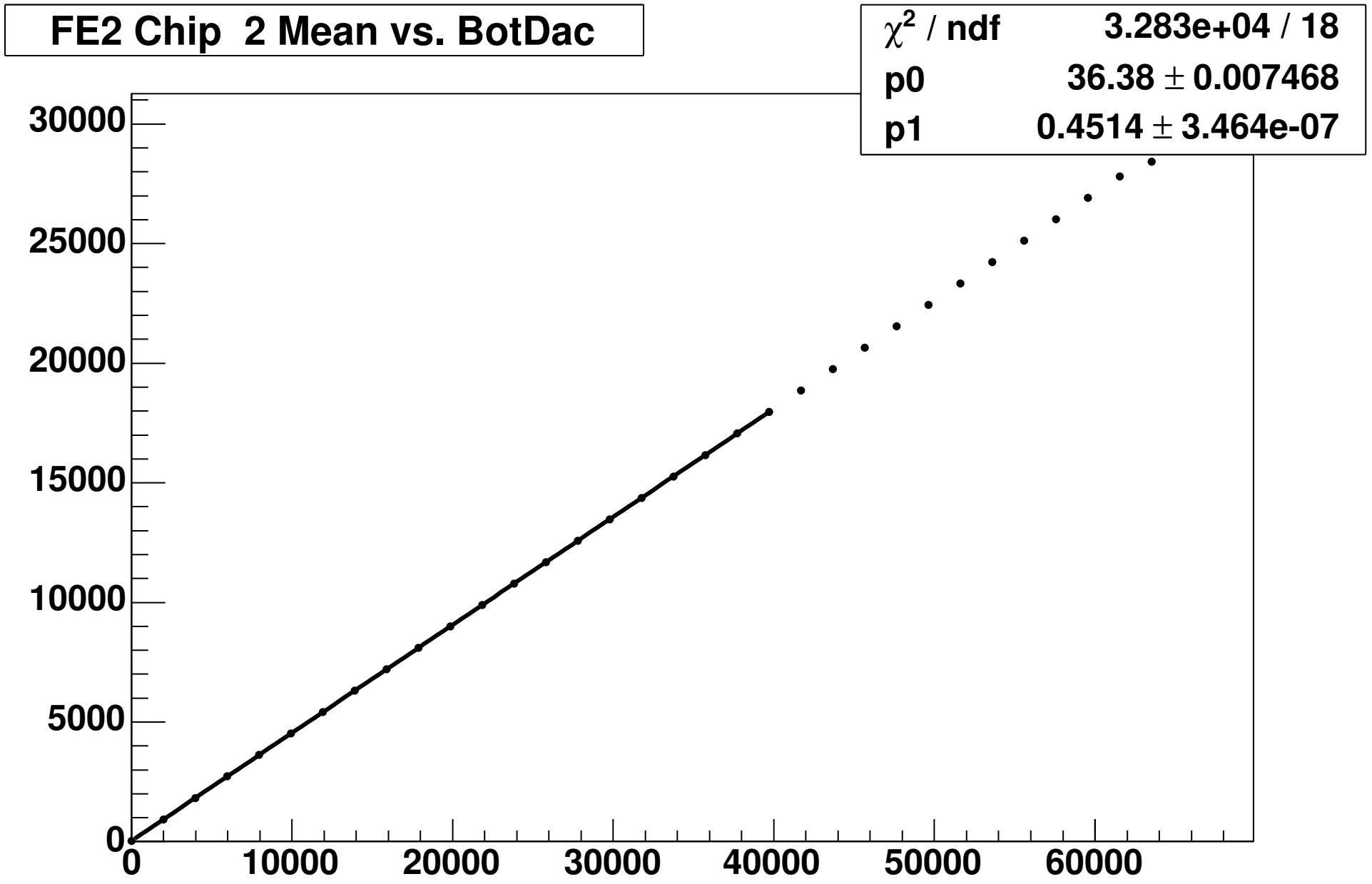
FE2 Chip 2 Mean vs. BotDac
χ² / ndf 3.283e+04 / 18
p0 36.38 ± 0.007468
p1 0.4514 ± 3.464e-07
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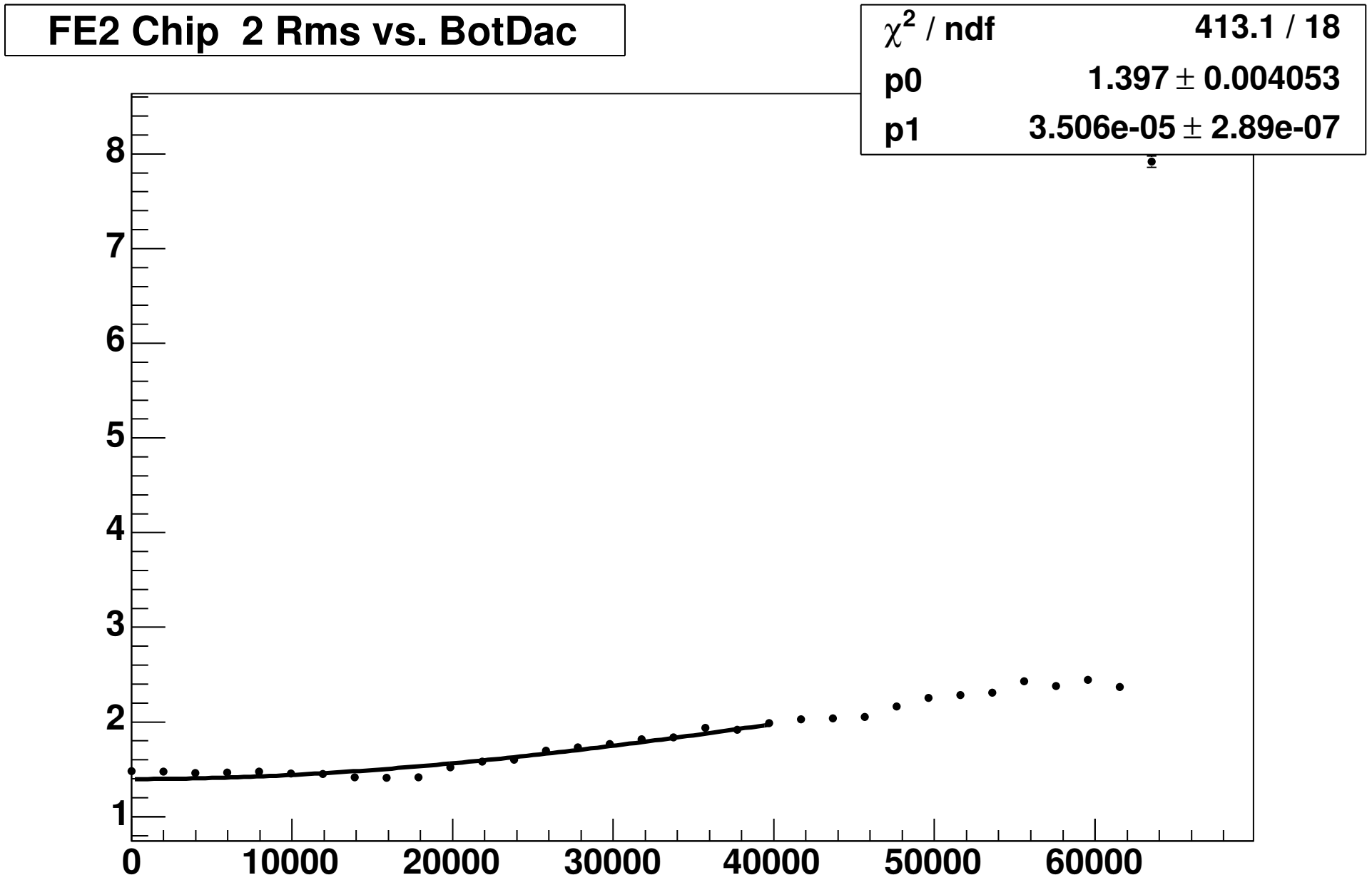
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Rms vs. BotDac
χ² / ndf 413.1 / 18
p0 1.397 ± 0.004053
p1 3.506e-05 ± 2.89e-07
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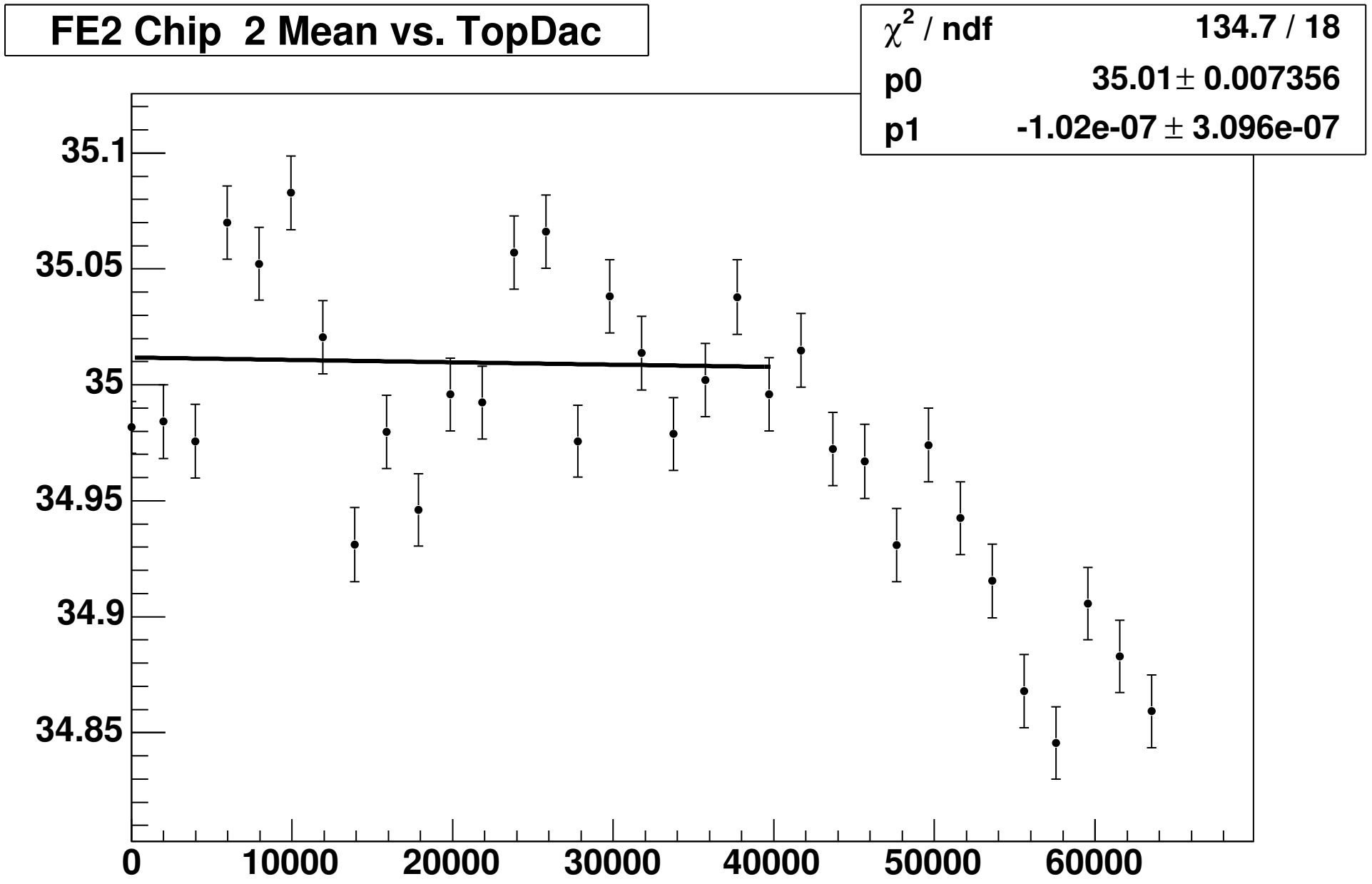
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 2 Mean vs. TopDac
χ² / ndf 134.7 / 18
p0 35.01 ± 0.007356
p1 -1.02e-07 ± 3.096e-07
35.1
35.05
35
34.95
34.9
34.85
0
10000
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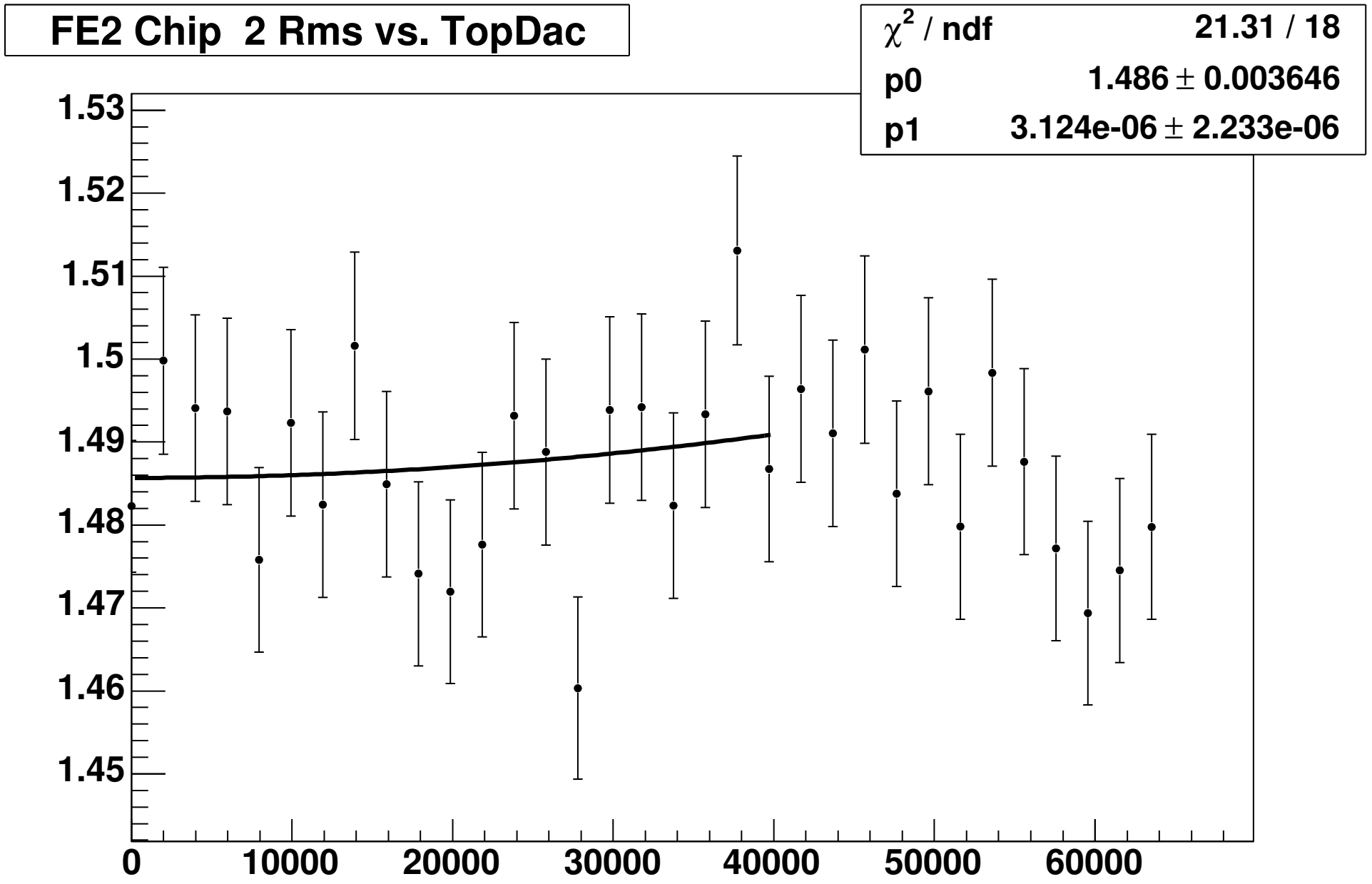
30000
40000
50000
60000


FE2 Chip 2 Rms vs. TopDac
χ² / ndf 21.31 / 18
p0 1.486 ± 0.003646
p1 3.124e-06 ± 2.233e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
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40000
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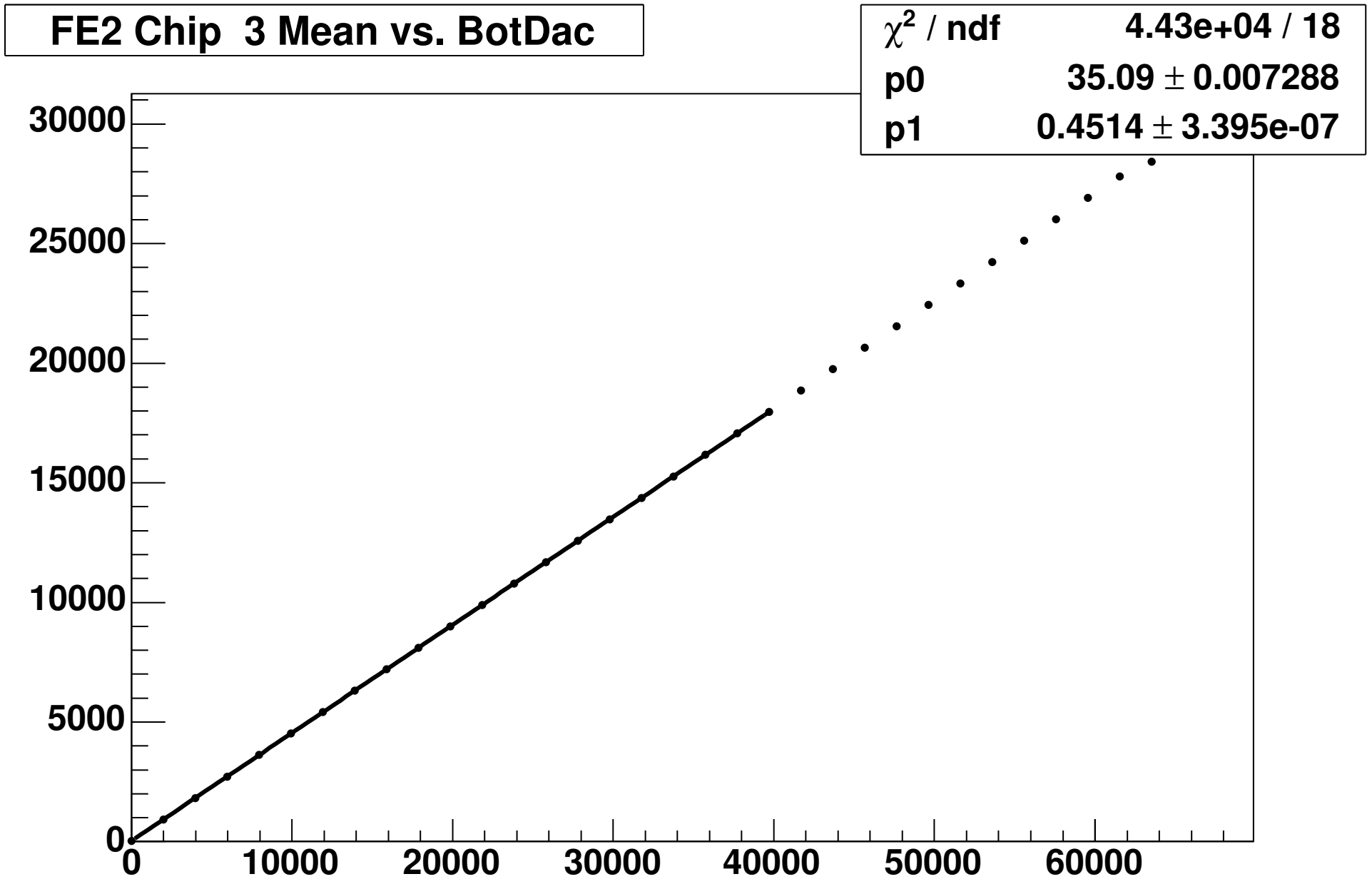
60000


FE2 Chip 3 Mean vs. BotDac
χ² / ndf 4.43e+04 / 18
p0 35.09 ± 0.007288
p1 0.4514 ± 3.395e-07
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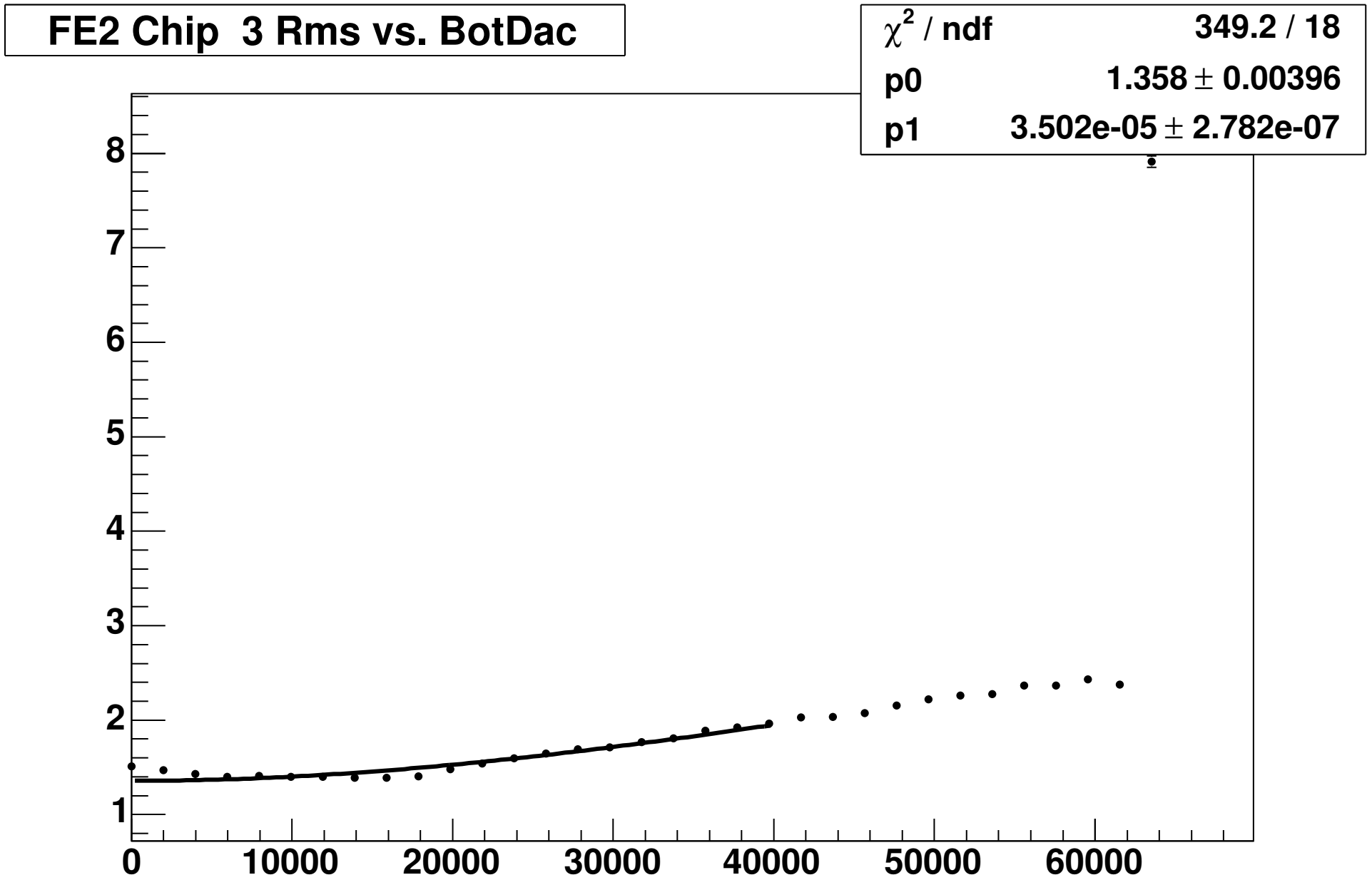
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 3 Rms vs. BotDac
χ² / ndf 349.2 / 18
p0 1.358 ± 0.00396
p1 3.502e-05 ± 2.782e-07
8
7
6
5
4
3
2
1
0
10000
20000
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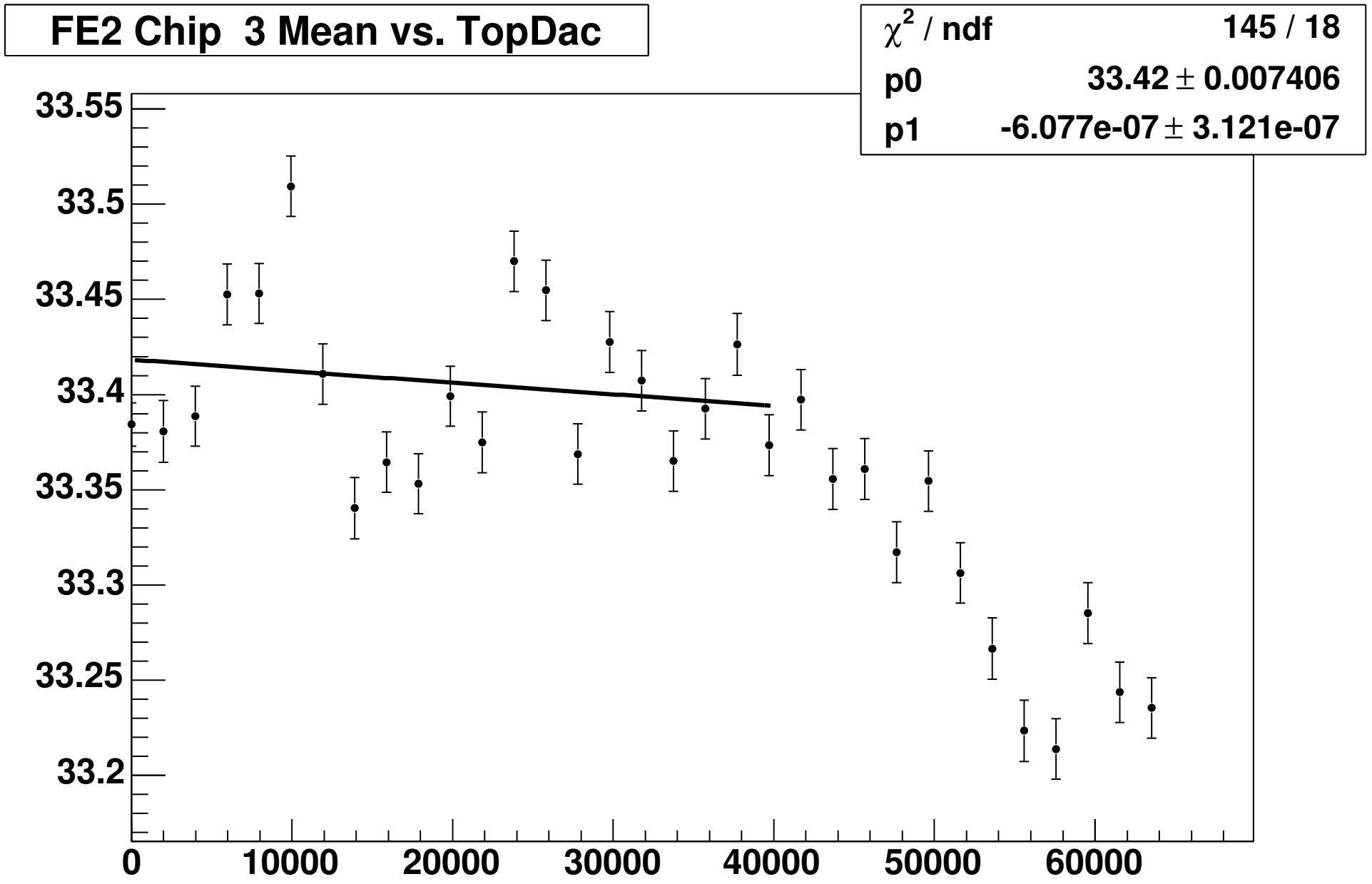
FE2 Chip 3 Mean vs. TopDac
χ² / ndf 145 / 18
p0 33.42 ± 0.007406
p1 -6.077e-07 ± 3.121e-07
33.55
33.5
33.45
33.4
33.35
33.3
33.25
33.2
0
10000
20000
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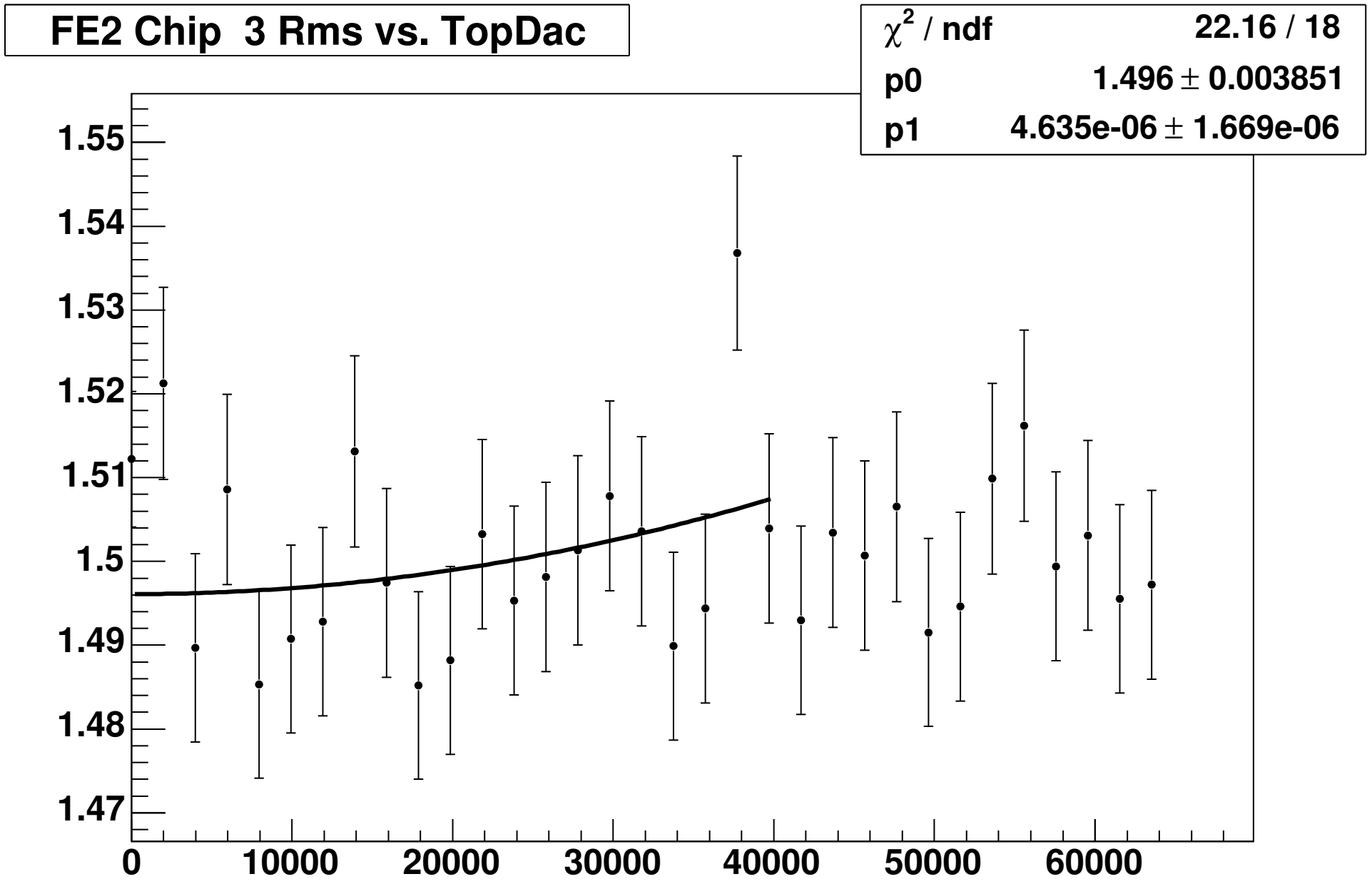
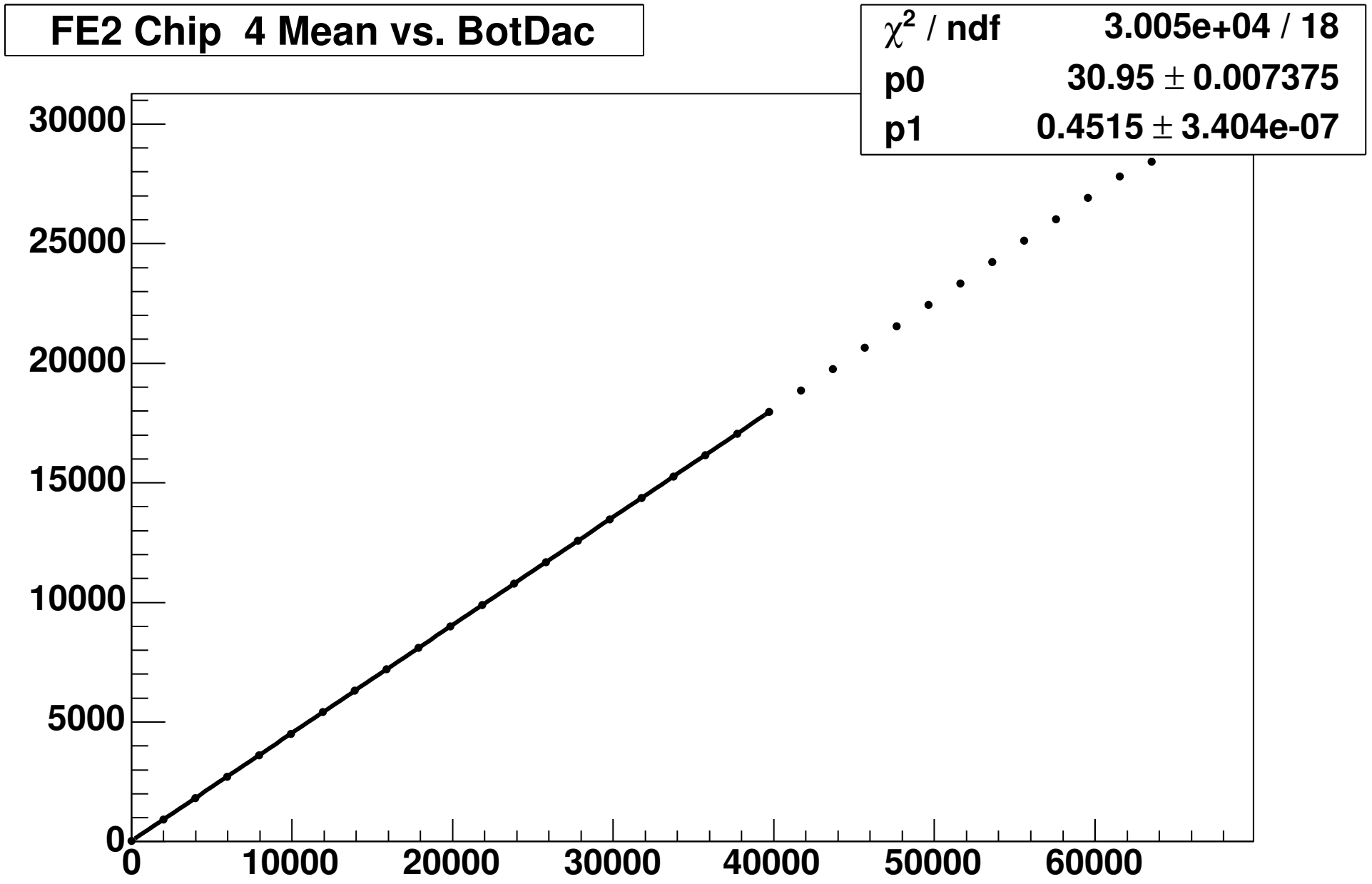
40000
50000
60000


FE2 Chip 3 Rms vs. TopDac
χ² / ndf 22.16 / 18
p0 1.496 ± 0.003851
p1 4.635e-06 ± 1.669e-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


FE2 Chip 4 Mean vs. BotDac
χ² / ndf 3.005e+04 / 18
p0 30.95 ± 0.007375
p1 0.4515 ± 3.404e-07
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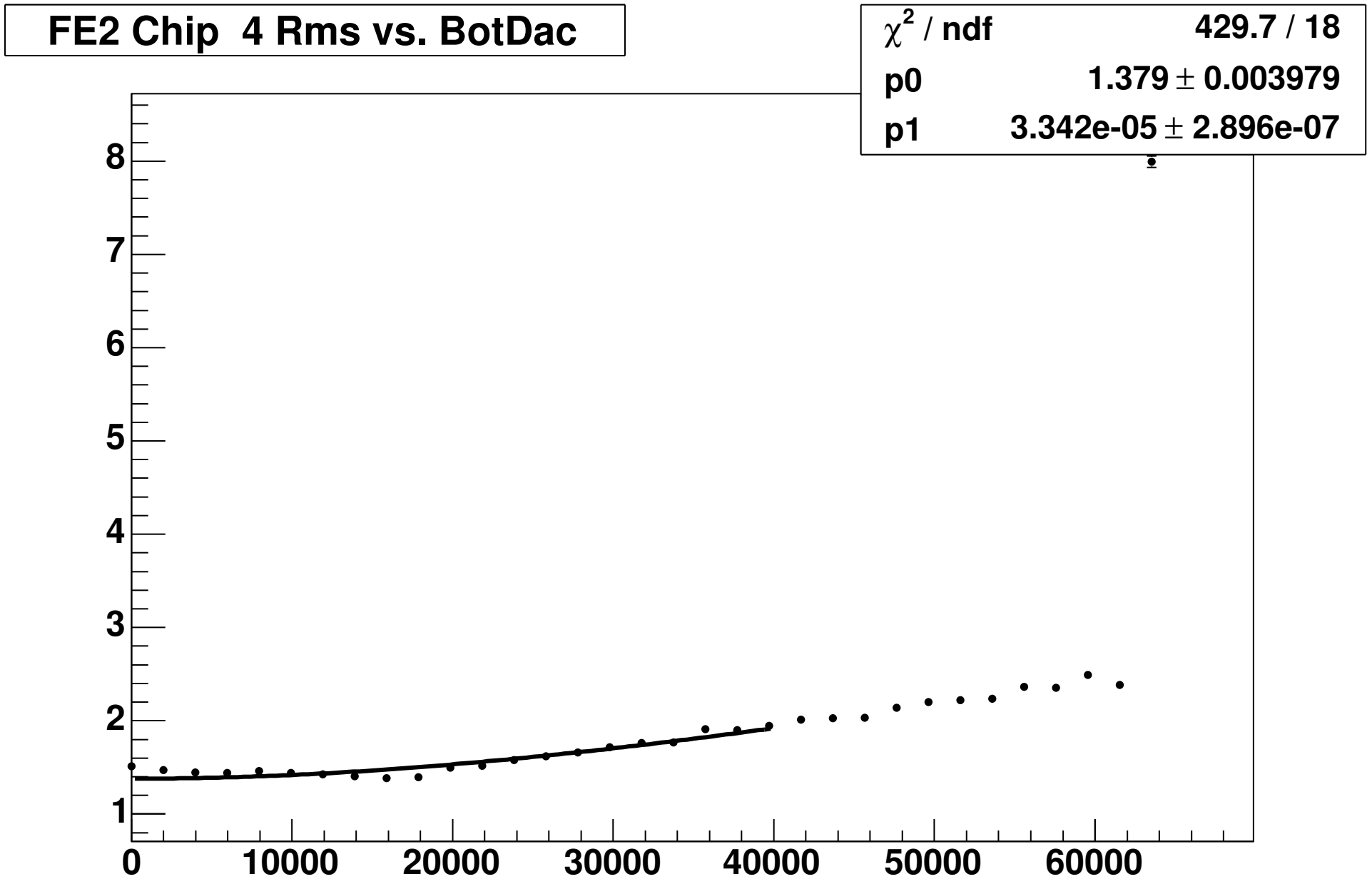
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 4 Rms vs. BotDac
χ² / ndf 429.7 / 18
p0 1.379 ± 0.003979
p1 3.342e-05 ± 2.896e-07
8
7
6
5
4
3
2
1
0
10000
20000
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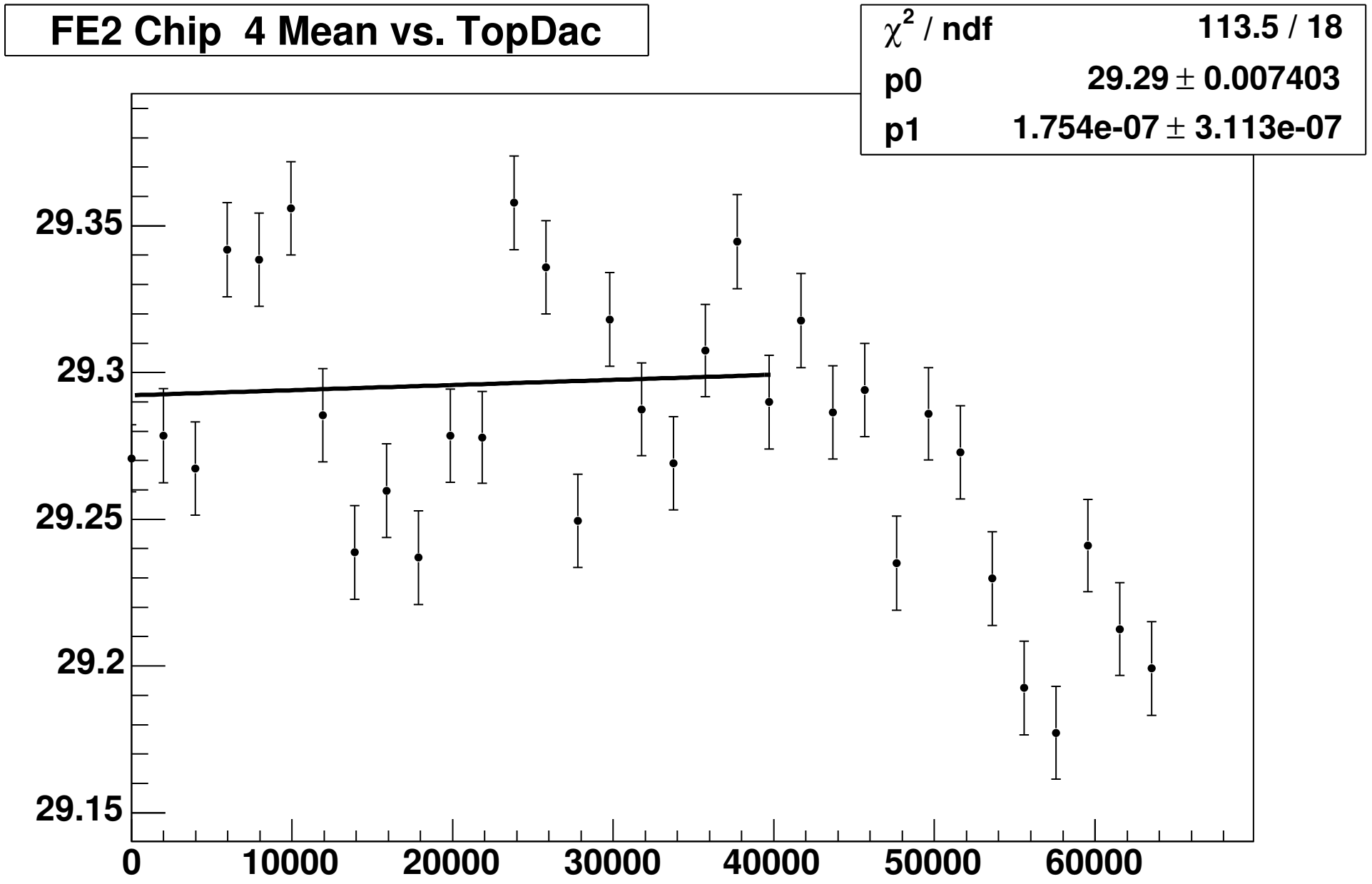
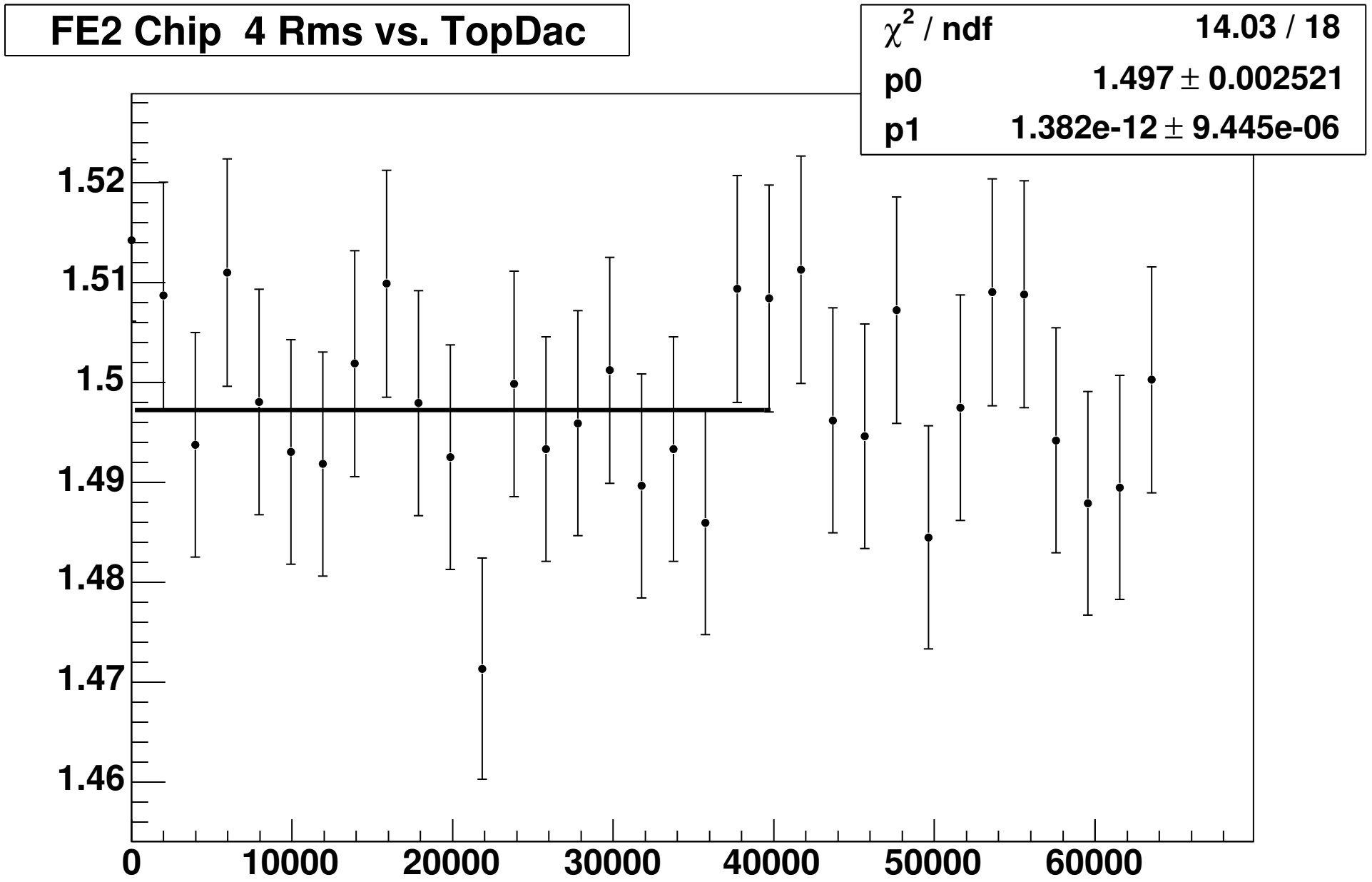
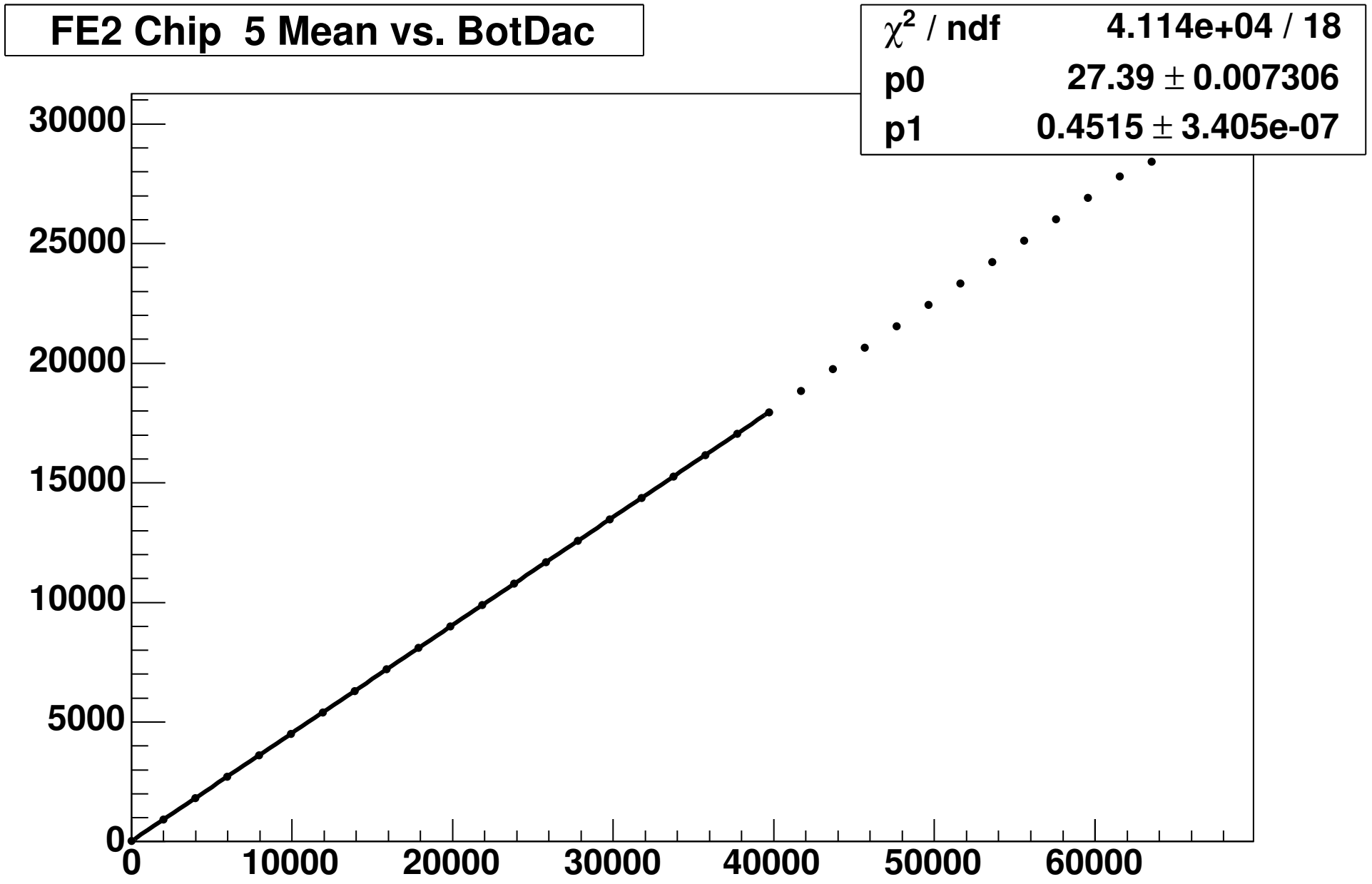
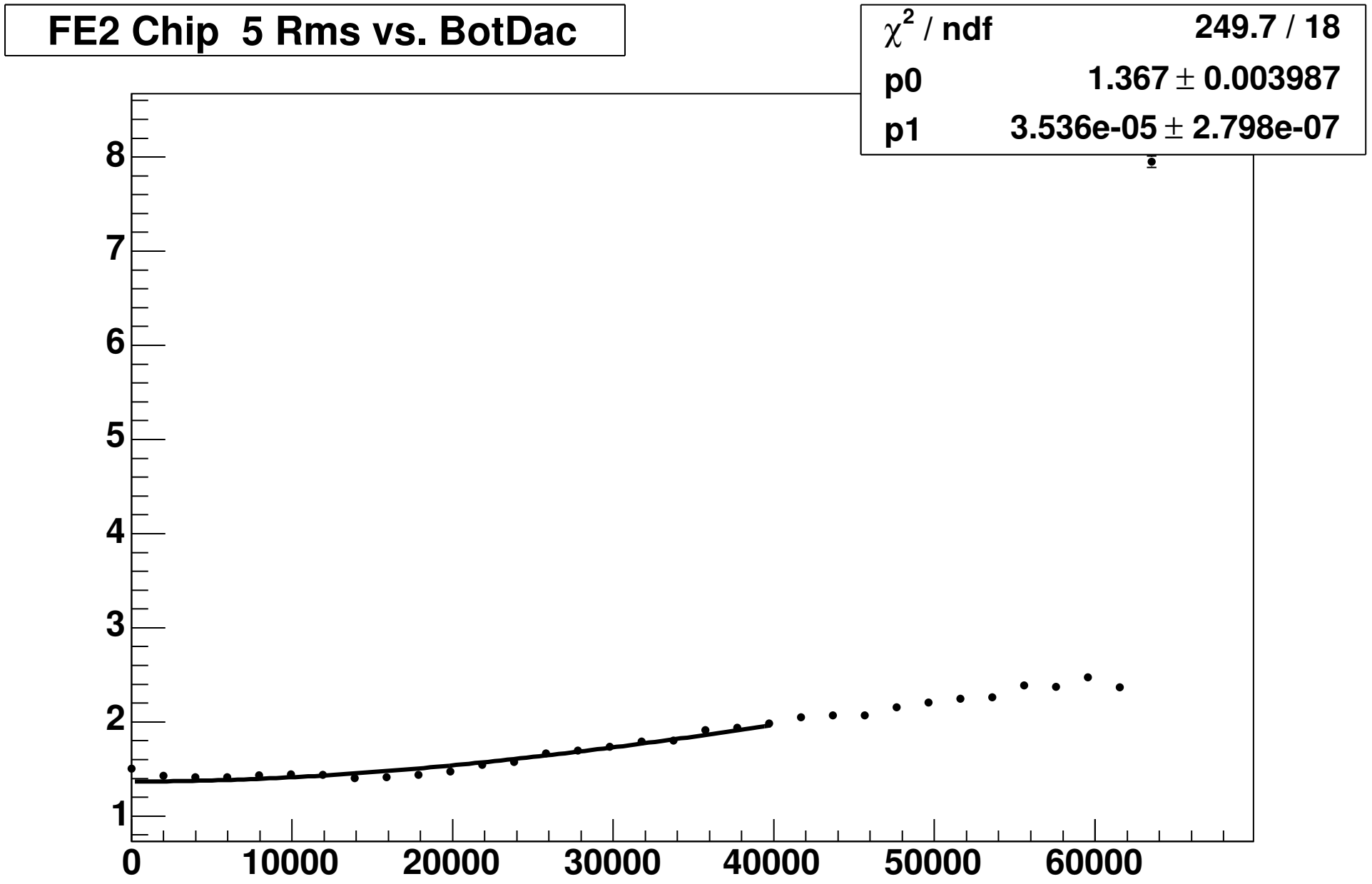
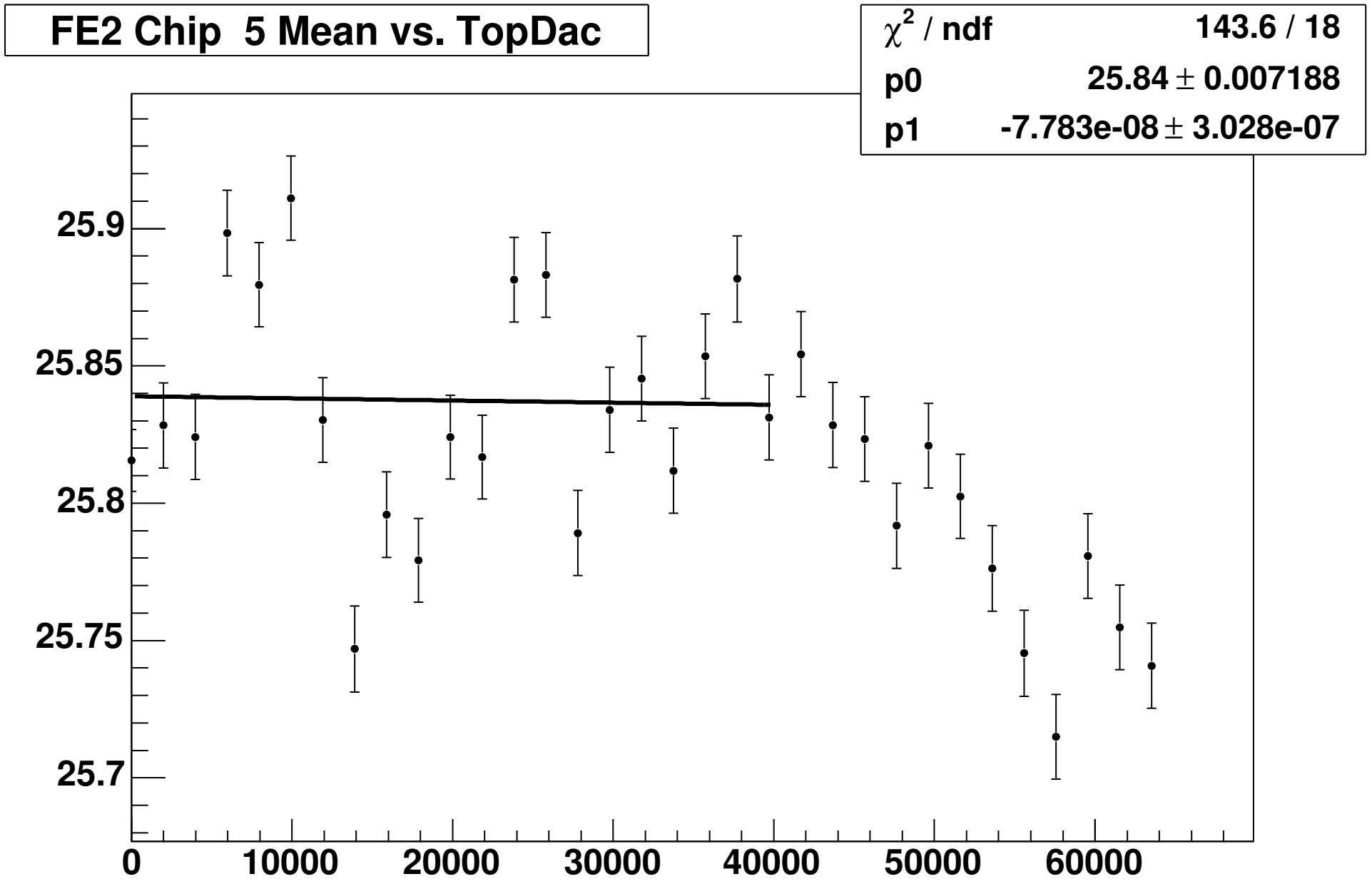
50000
60000

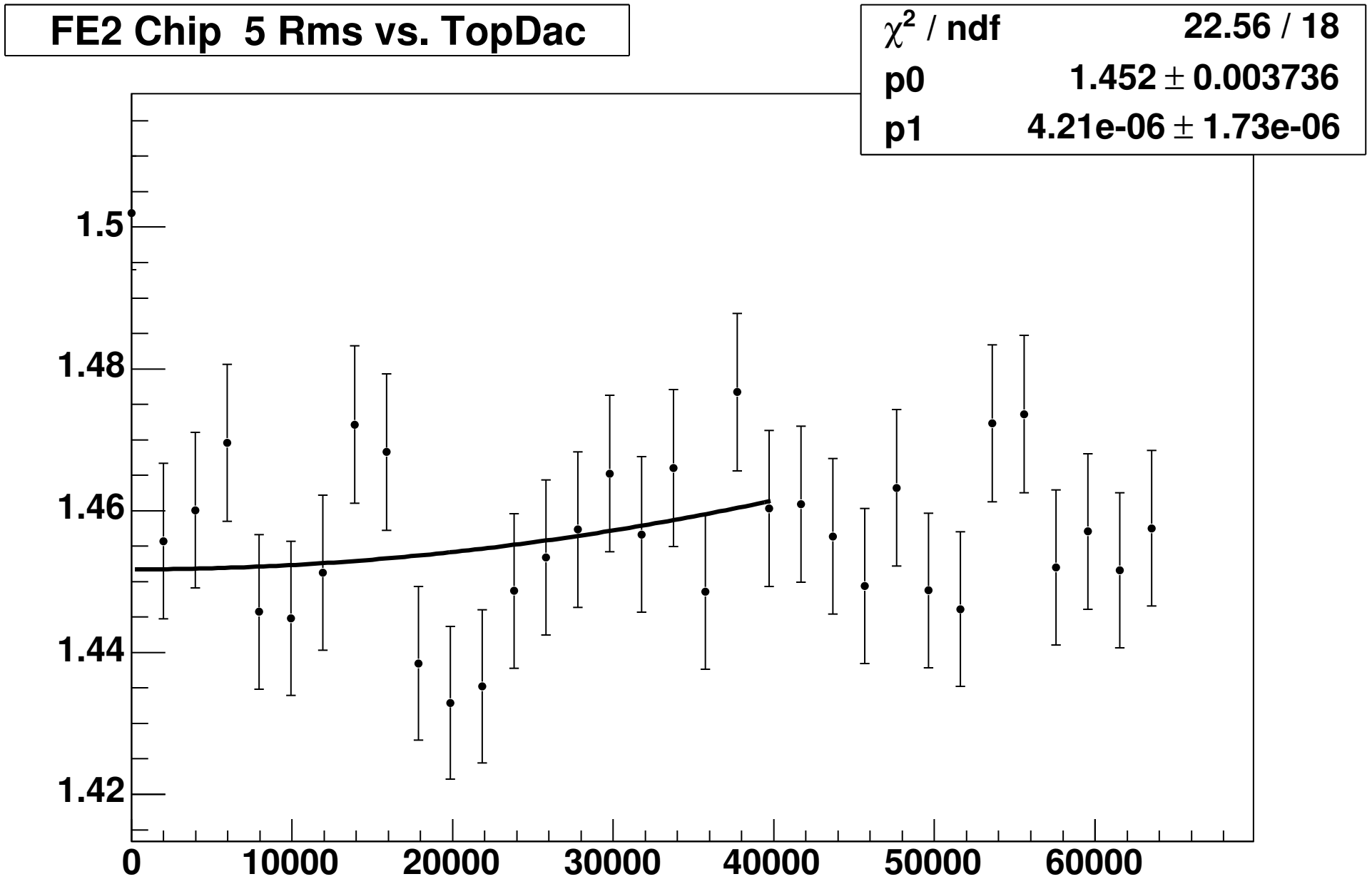

FE2 Chip 4 Mean vs. TopDac
χ² / ndf 113.5 / 18
p0 29.29 ± 0.007403
p1 1.754e-07 ± 3.113e-07
29.35
29.3
29.25
29.2
29.15
0
10000
20000
30000
40000
50000
60000

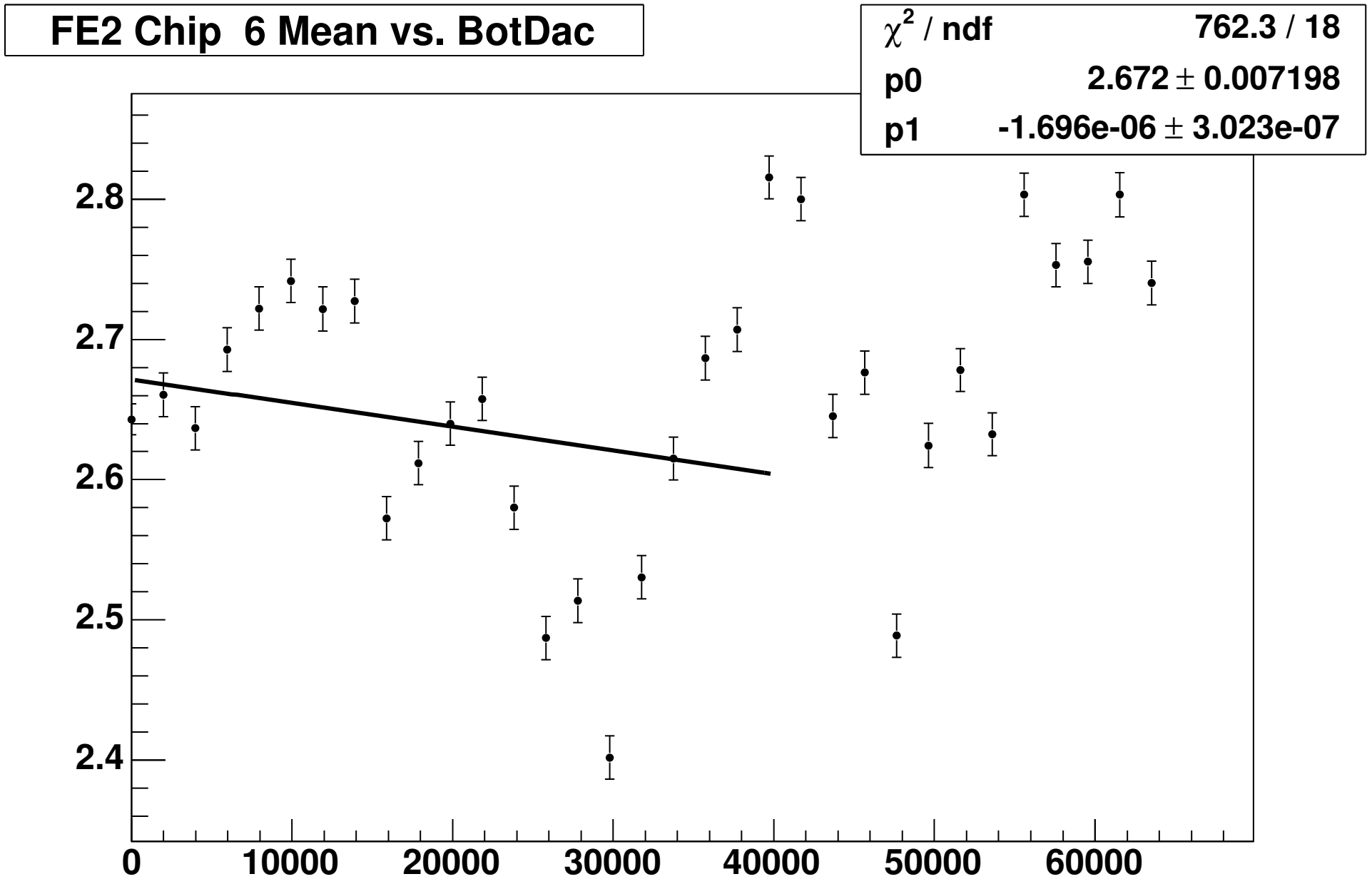

FE2 Chip 4 Rms vs. TopDac
χ² / ndf 14.03 / 18
p0 1.497 ± 0.002521
p1 1.382e-12 ± 9.445e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

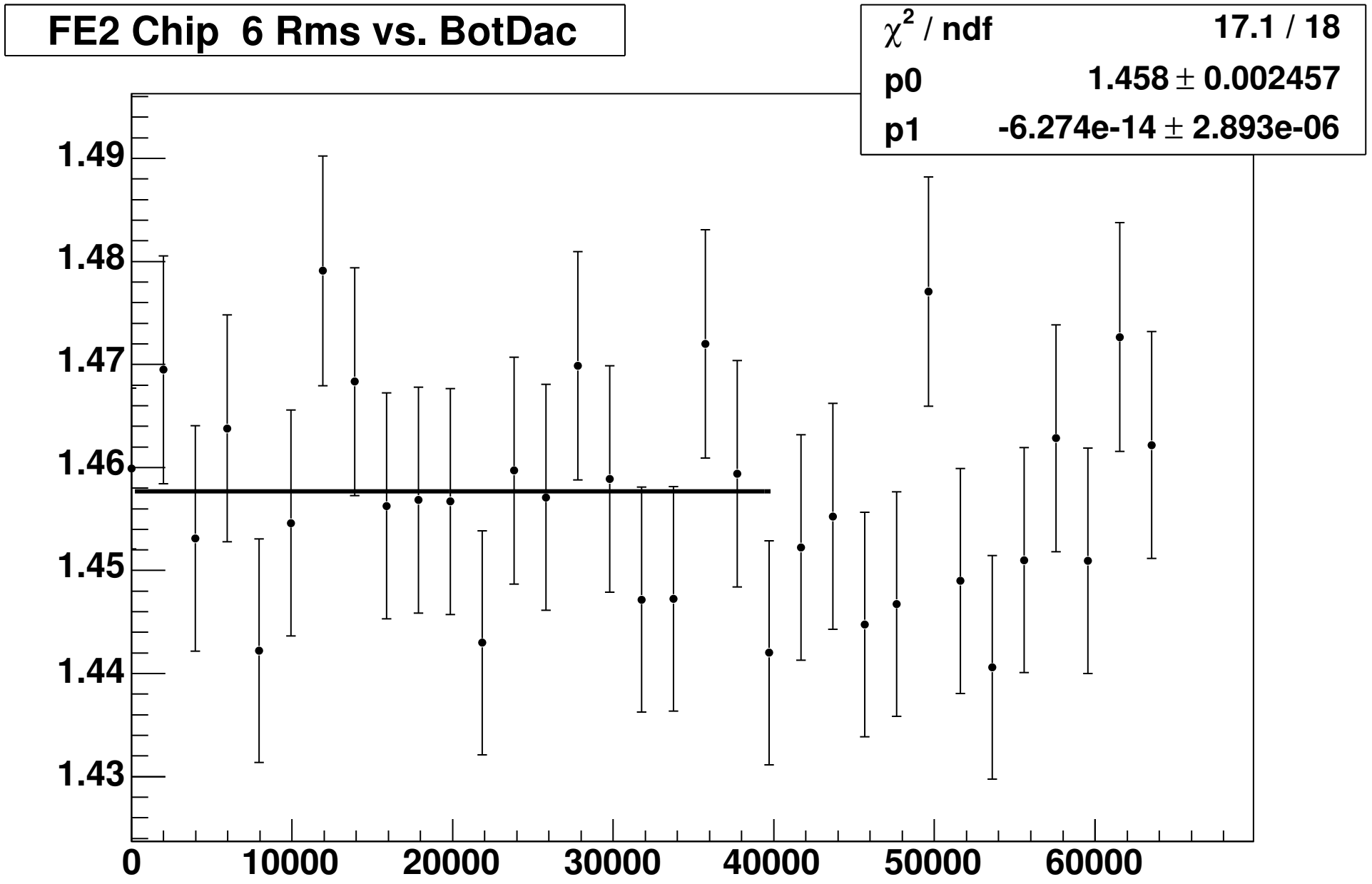

FE2 Chip 5 Mean vs. BotDac
χ² / ndf 4.114e+04 / 18
p0 27.39 ± 0.007306
p1 0.4515 ± 3.405e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

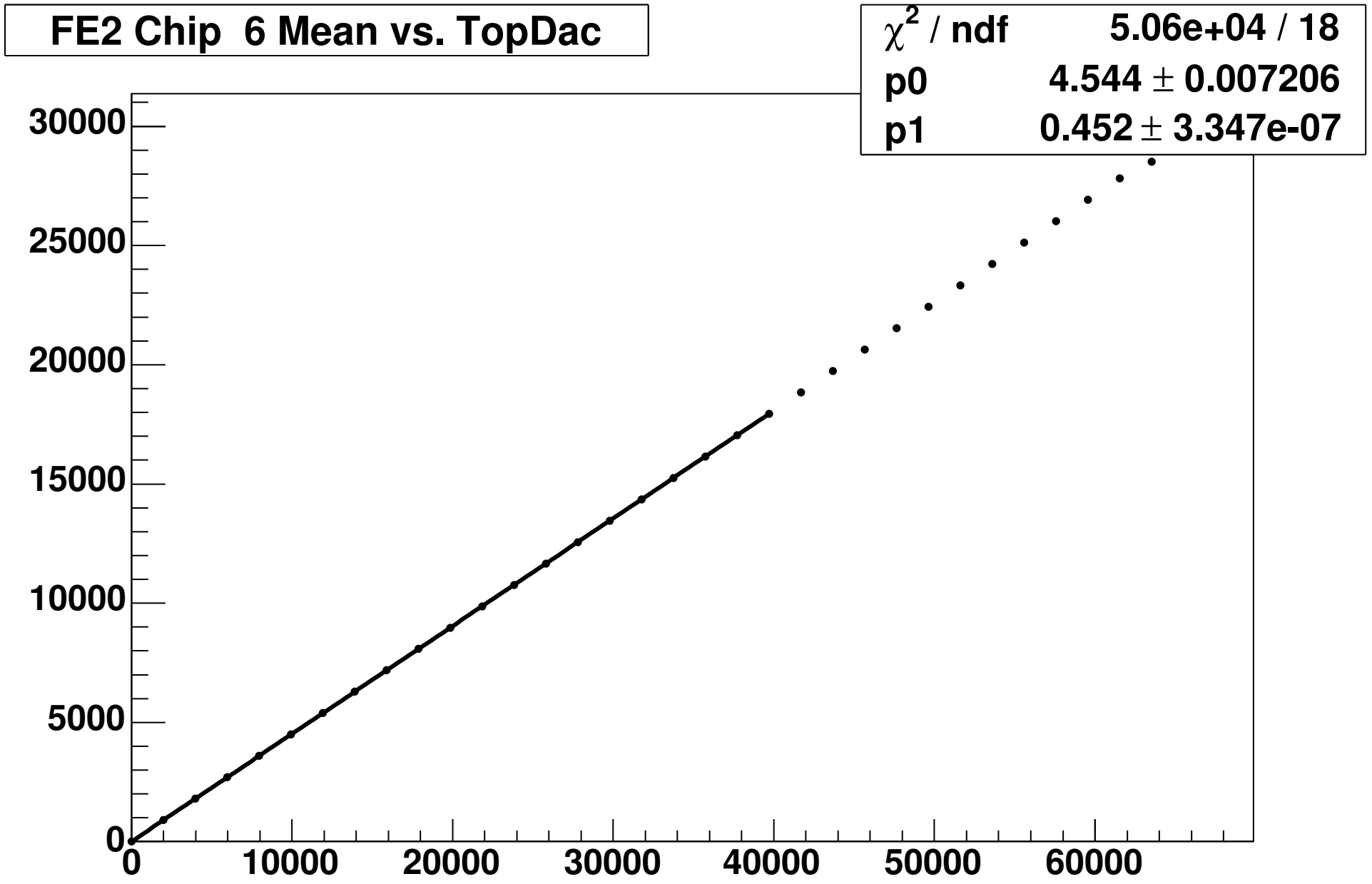

FE2 Chip 5 Rms vs. BotDac
χ² / ndf 249.7 / 18
p0 1.367 ± 0.003987
p1 3.536e-05 ± 2.798e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Mean vs. TopDac
χ² / ndf 143.6 / 18
p0 25.84 ± 0.007188
p1 -7.783e-08 ± 3.028e-07
25.9
25.85
25.8
25.75
25.7
0
10000
20000
30000
40000
50000
60000


FE2 Chip 5 Rms vs. TopDac
χ² / ndf 22.56 / 18
p0 1.452 ± 0.003736
p1 4.21e-06 ± 1.73e-06
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Mean vs. BotDac
χ² / ndf 762.3 / 18
p0 2.672 ± 0.007198
p1 -1.696e-06 ± 3.023e-07
2.8
2.7
2.6
2.5
2.4
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. BotDac
χ² / ndf 17.1 / 18
p0 1.458 ± 0.002457
p1 -6.274e-14 ± 2.893e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Mean vs. TopDac
χ² / ndf 5.06e+04 / 18
p0 4.544 ± 0.007206
p1 0.452 ± 3.347e-07
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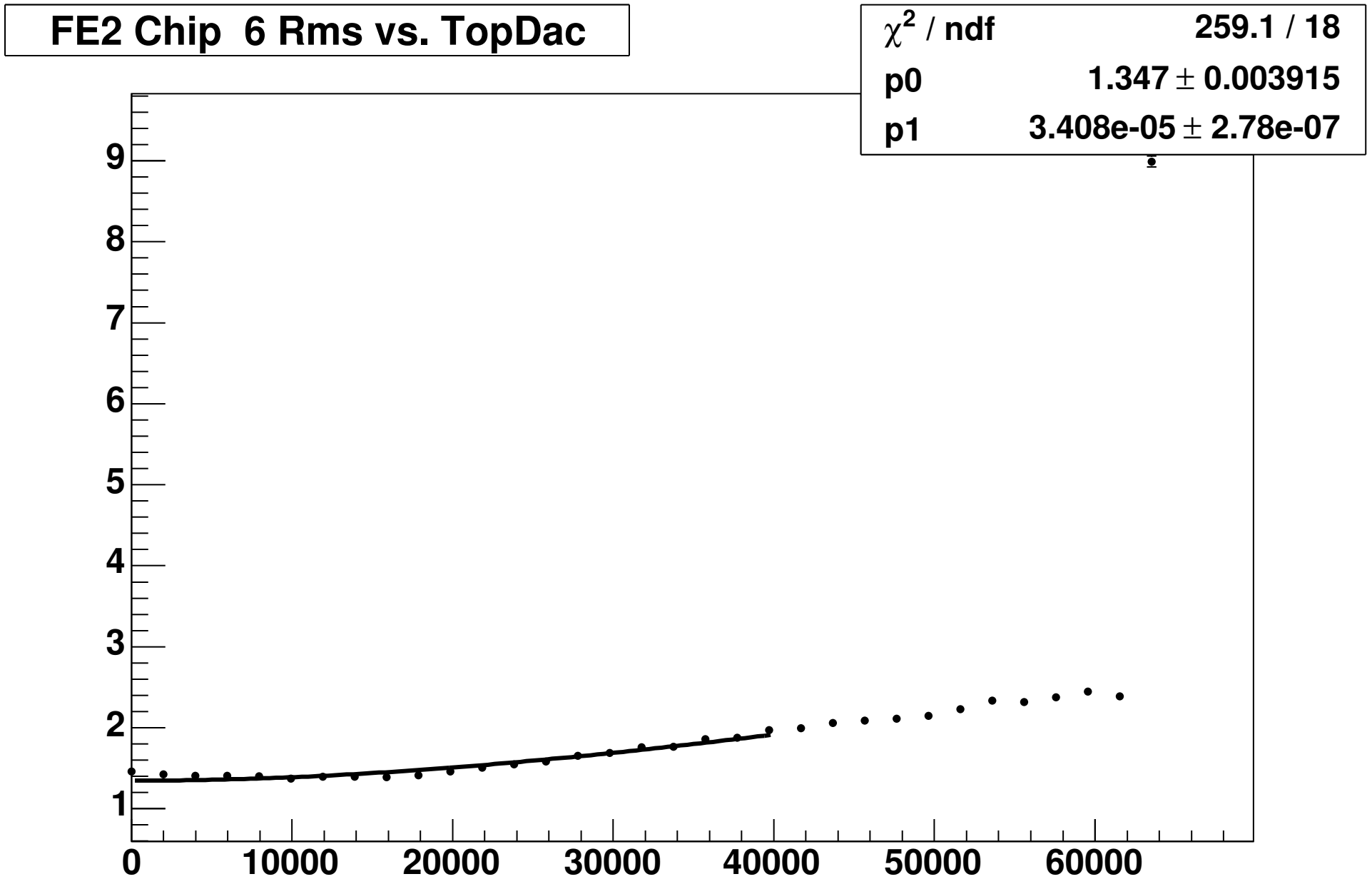
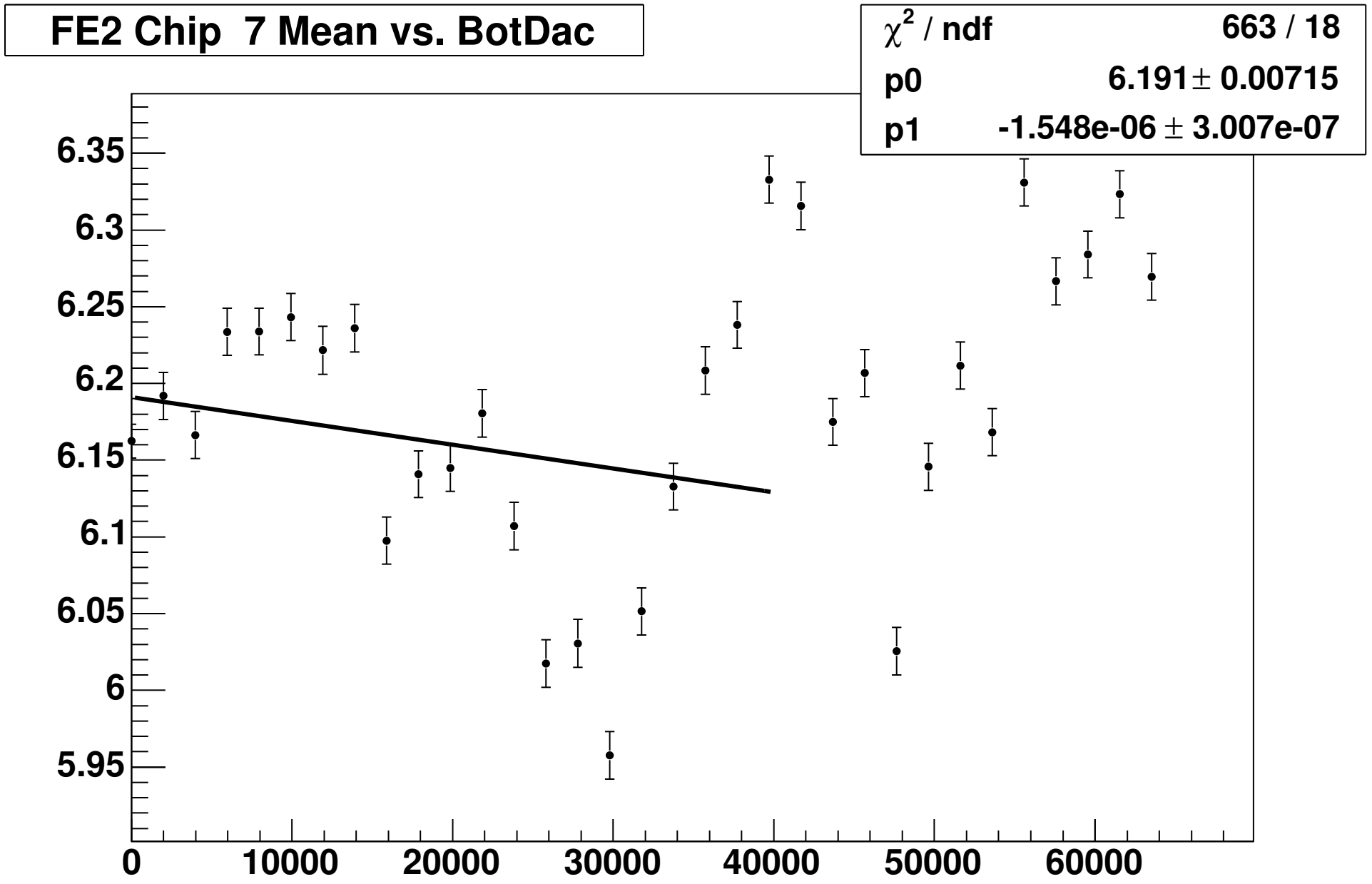
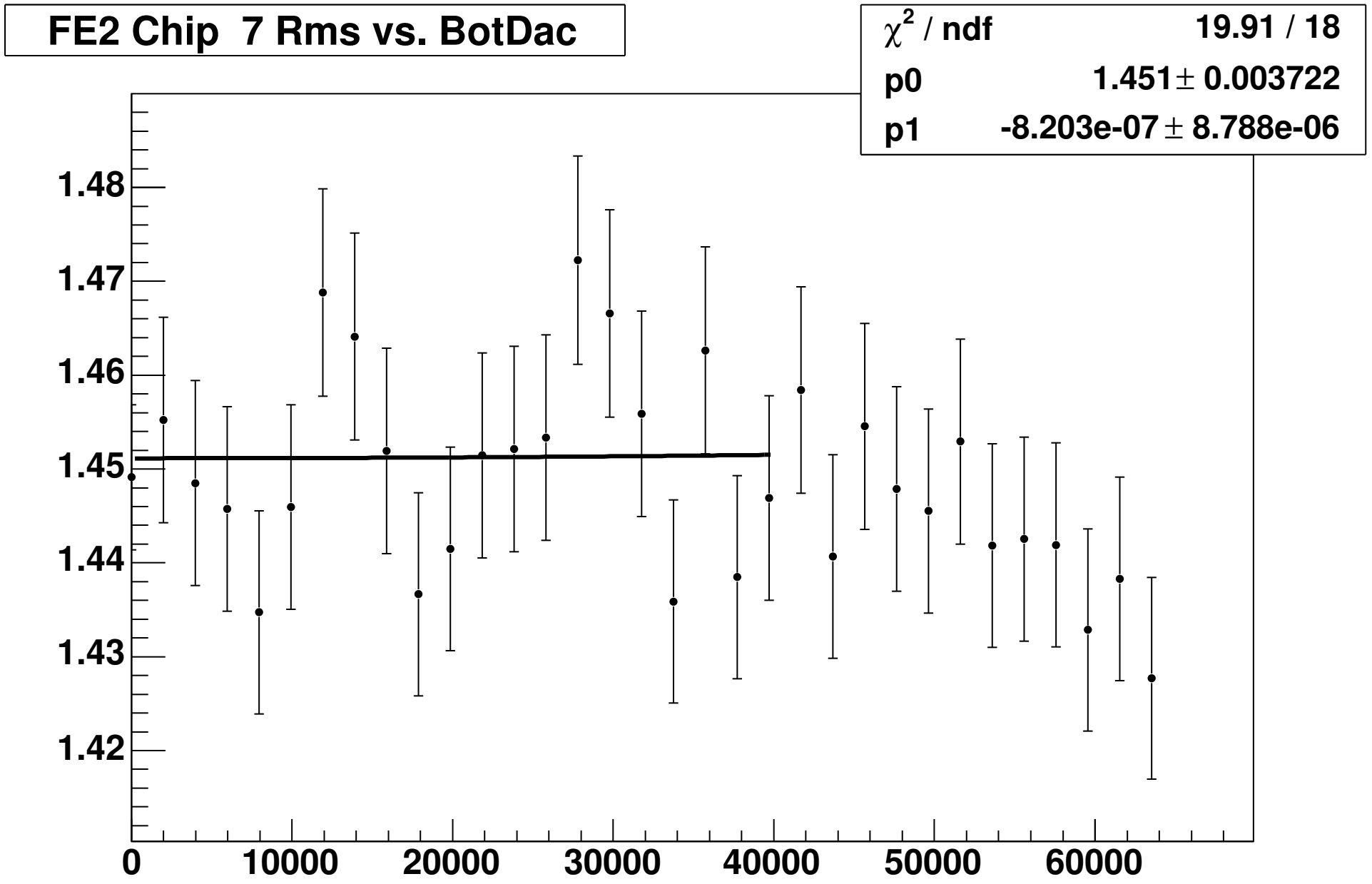
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 6 Rms vs. TopDac
χ² / ndf 259.1 / 18
p0 1.347 ± 0.003915
p1 3.408e-05 ± 2.78e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Mean vs. BotDac
χ² / ndf 663 / 18
p0 6.191 ± 0.00715
p1 -1.548e-06 ± 3.007e-07
6.35
6.3
6.25
6.2
6.15
6.1
6.05
6
5.95
0
10000
20000
30000
40000
50000
60000


FE2 Chip 7 Rms vs. BotDac
χ² / ndf 19.91 / 18
p0 1.451 ± 0.003722
p1 -8.203e-07 ± 8.788e-06
1.48
1.47
1.46
1.45
1.44
1.43
1.42
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10000
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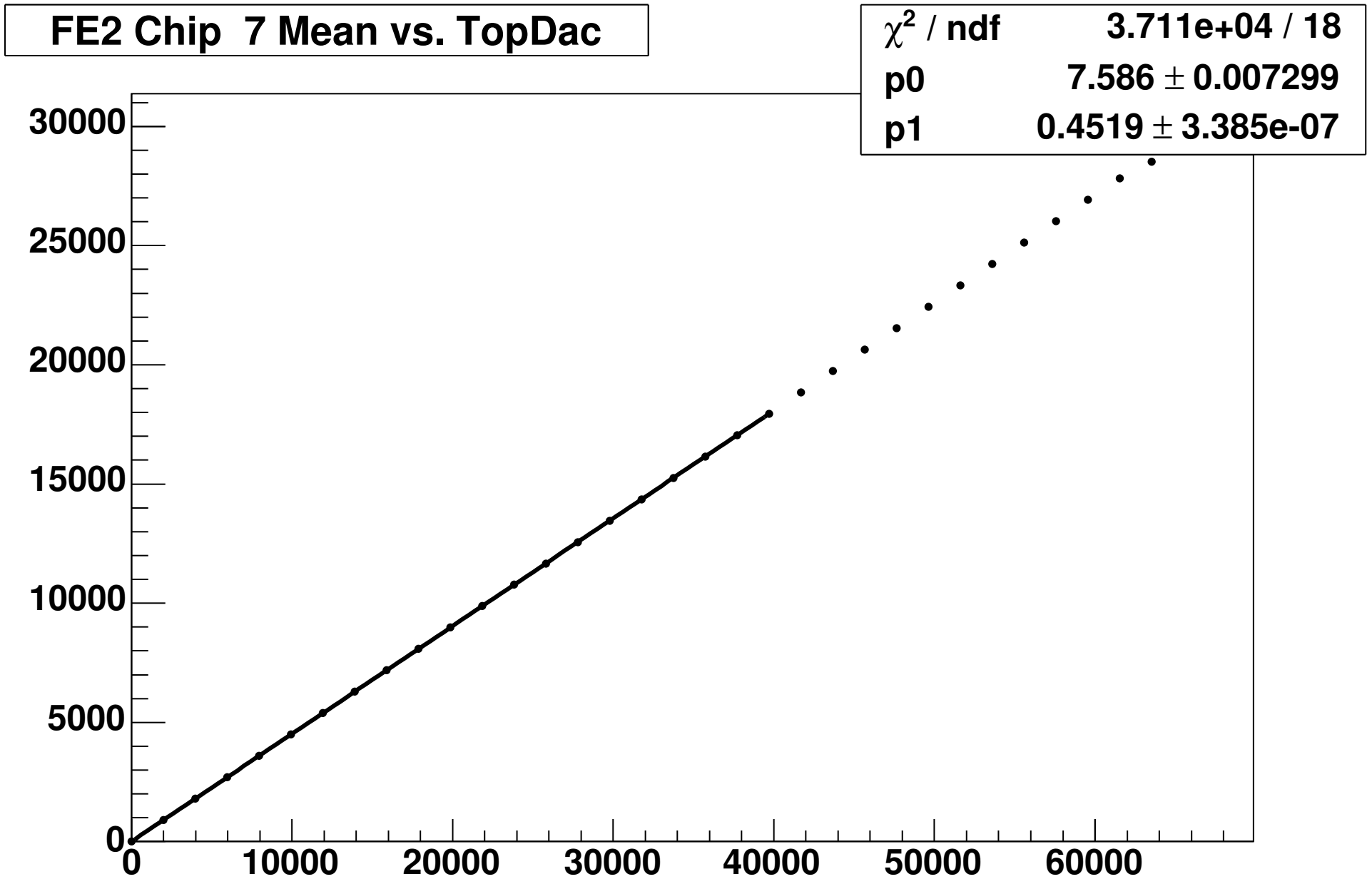
30000
40000
50000
60000


FE2 Chip 7 Mean vs. TopDac
χ² / ndf 3.711e+04 / 18
p0 7.586 ± 0.007299
p1 0.4519 ± 3.385e-07
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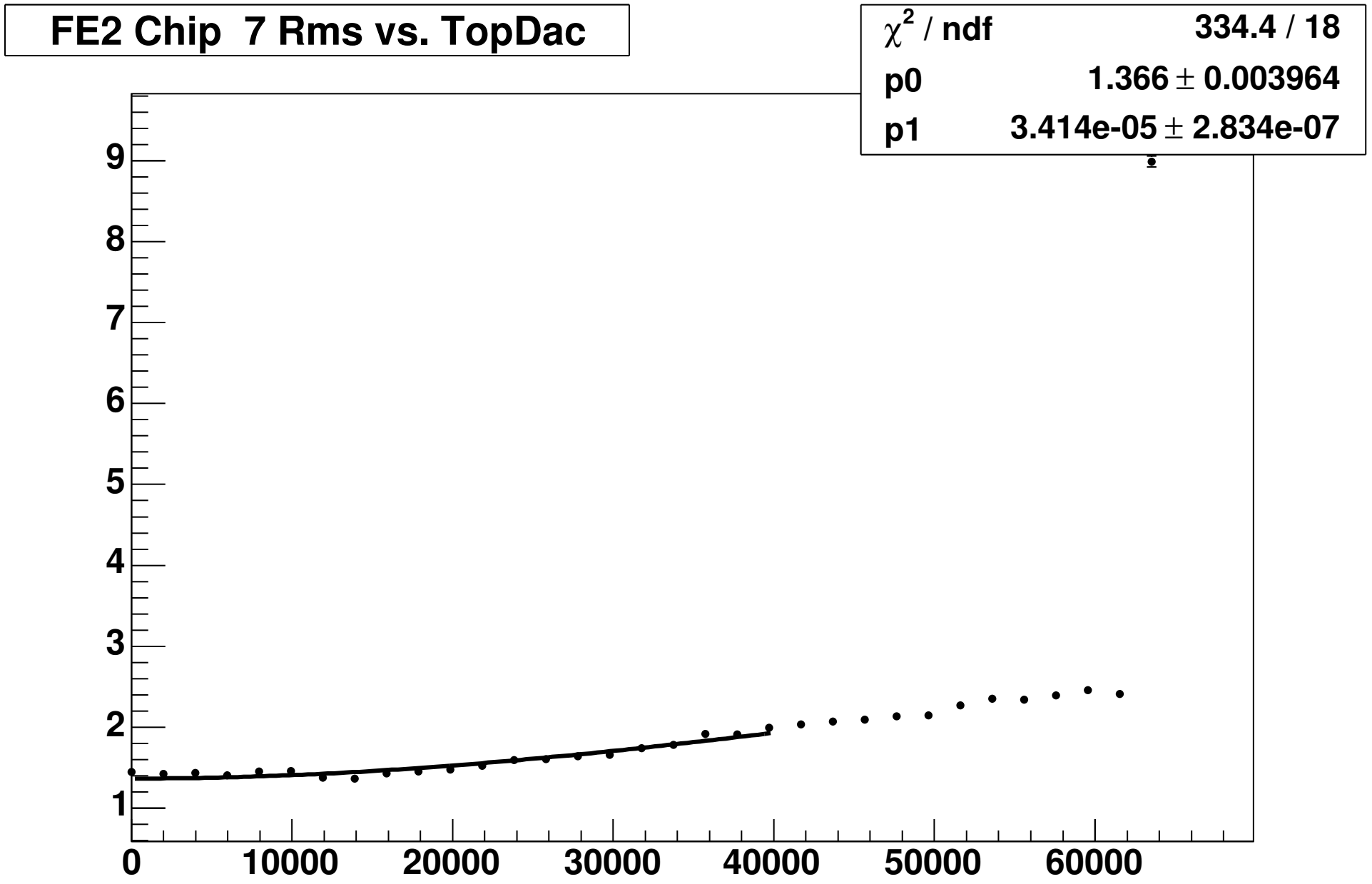
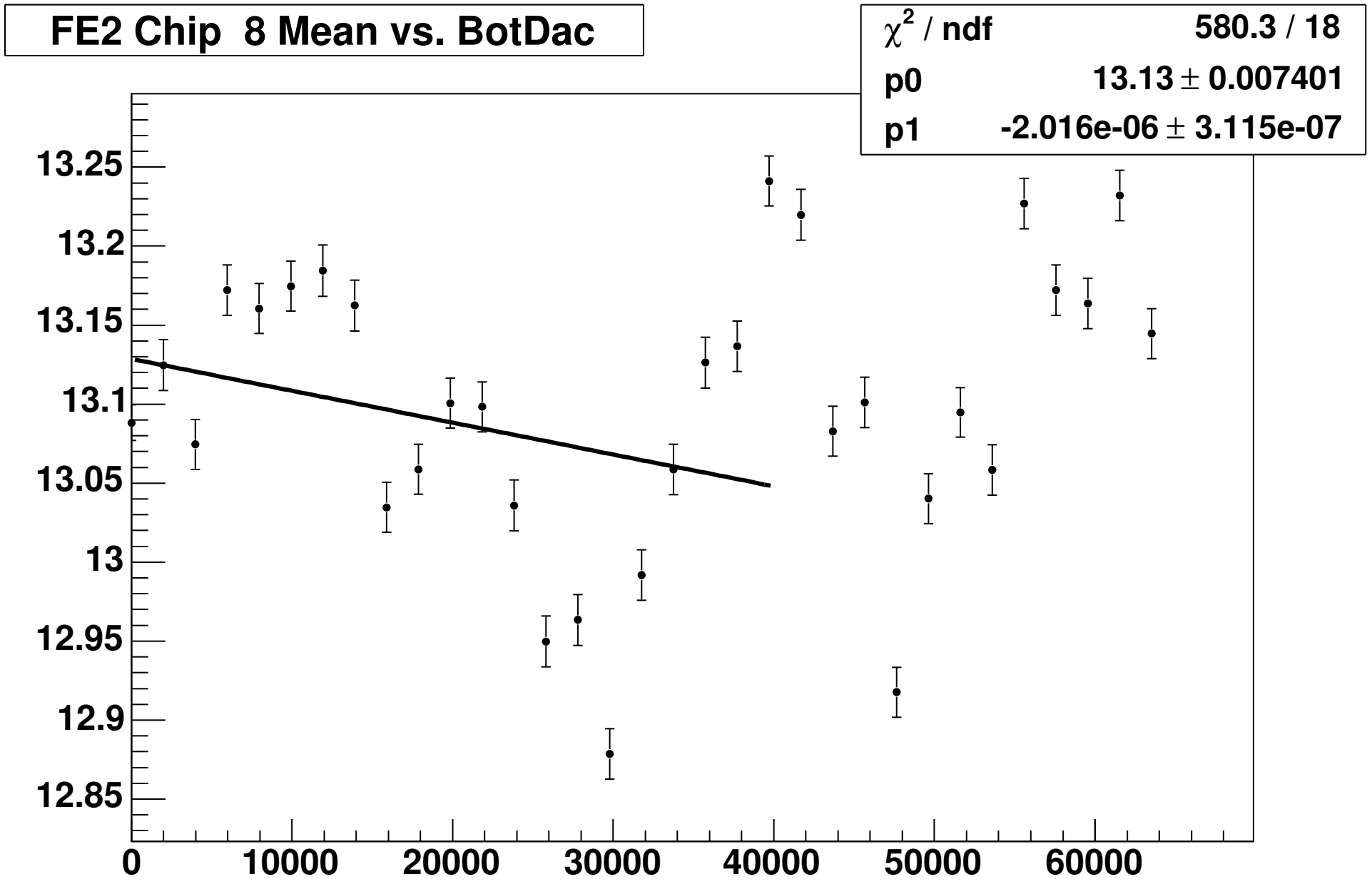
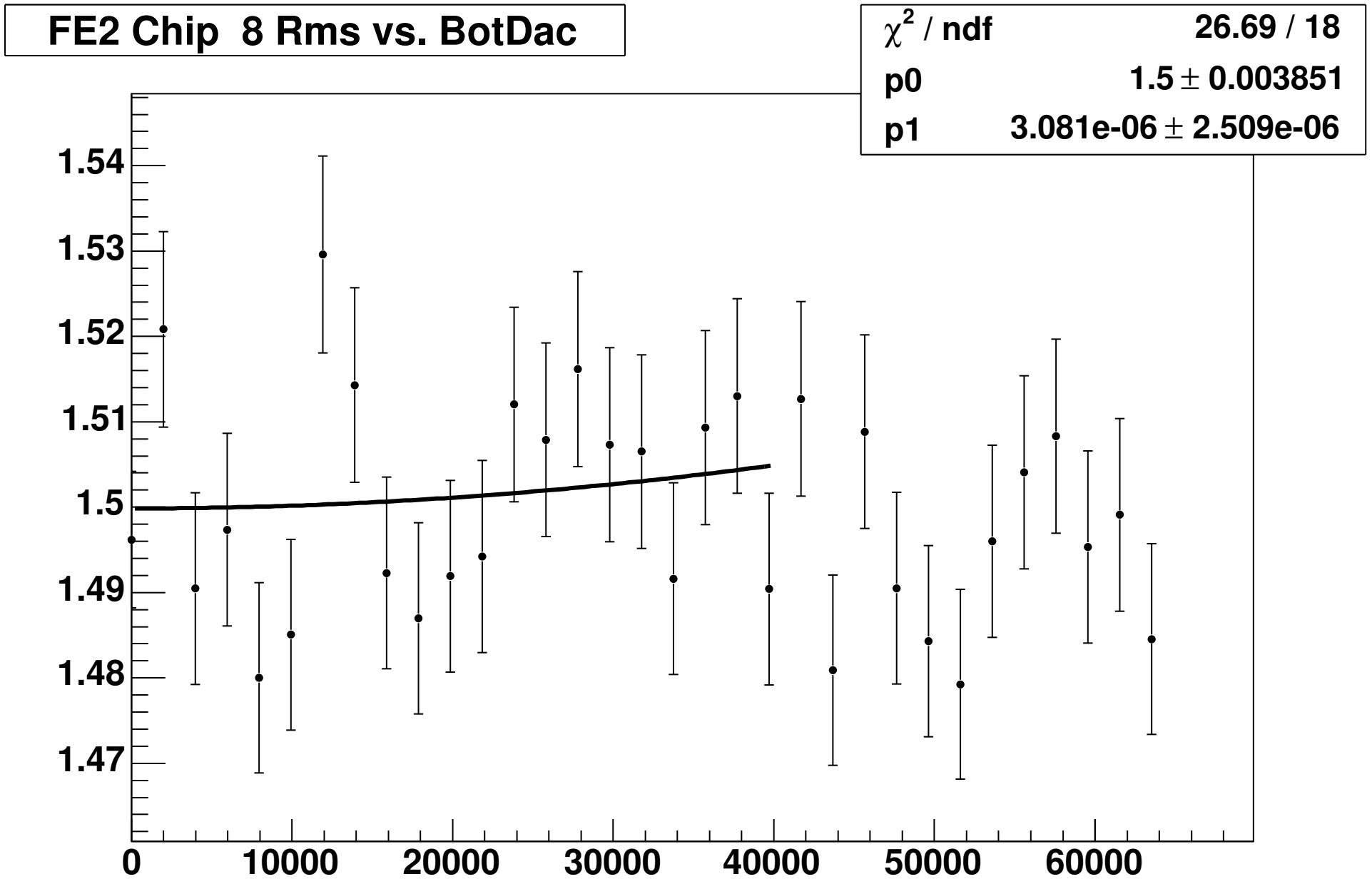
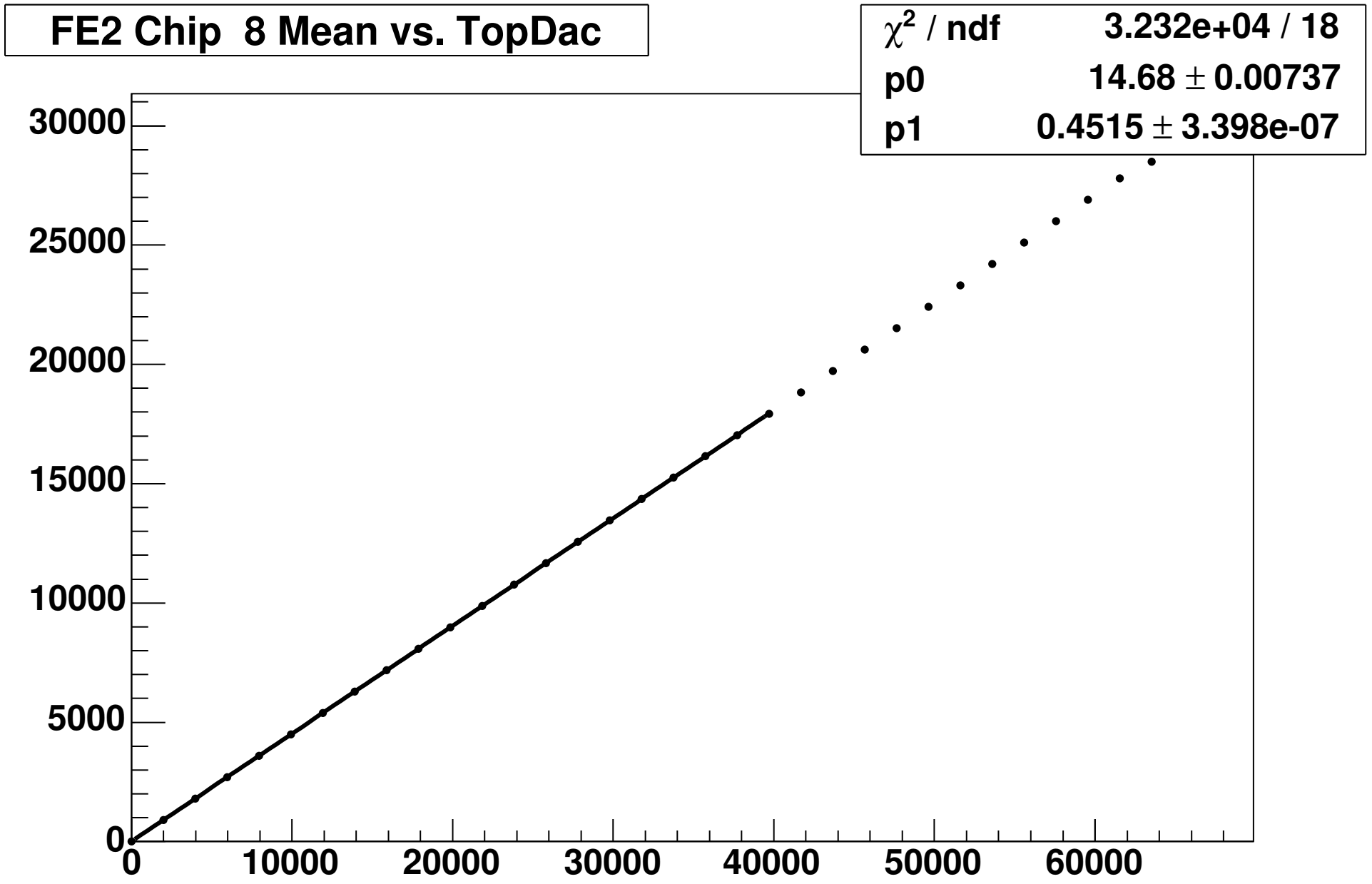
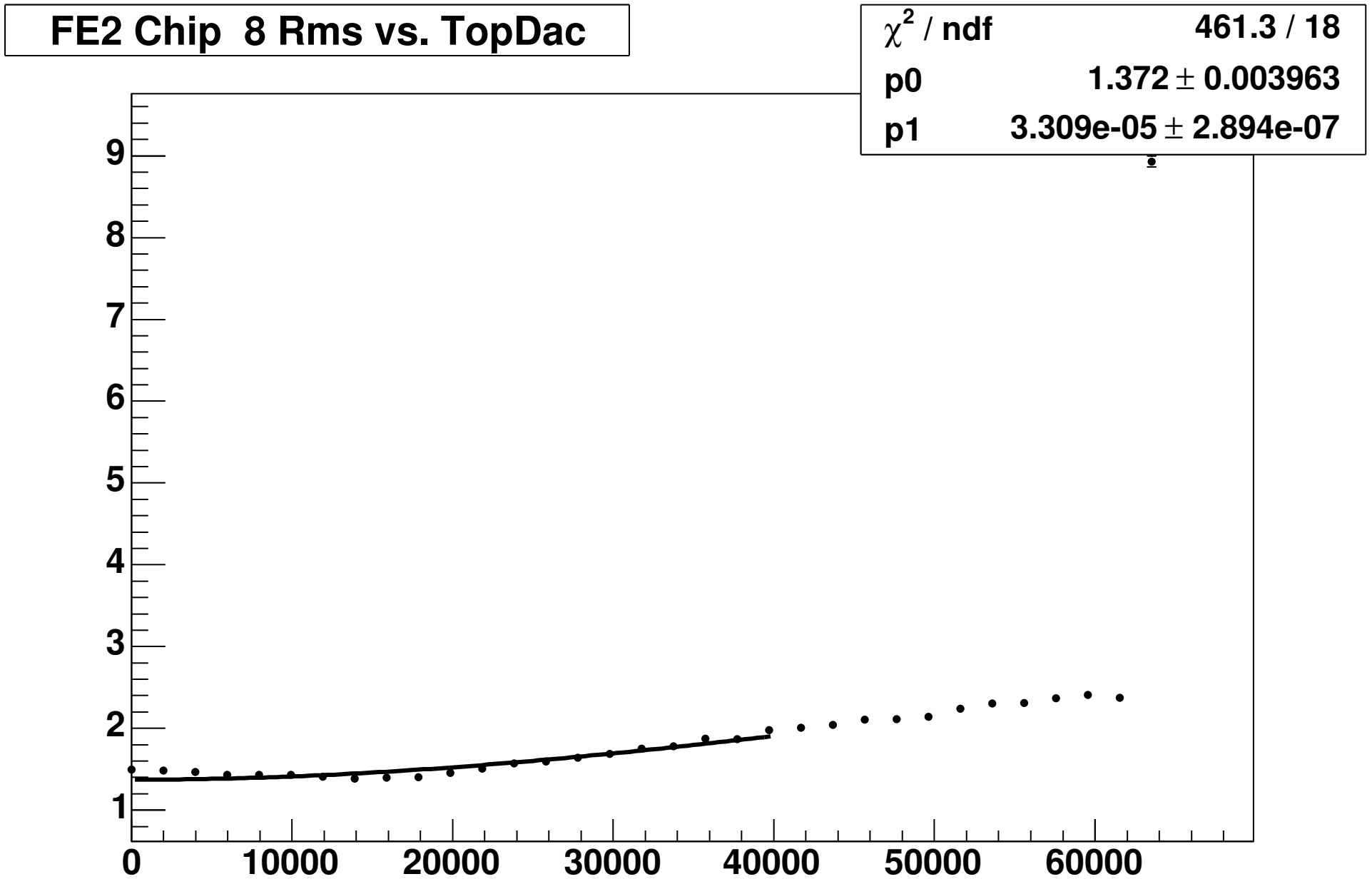
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

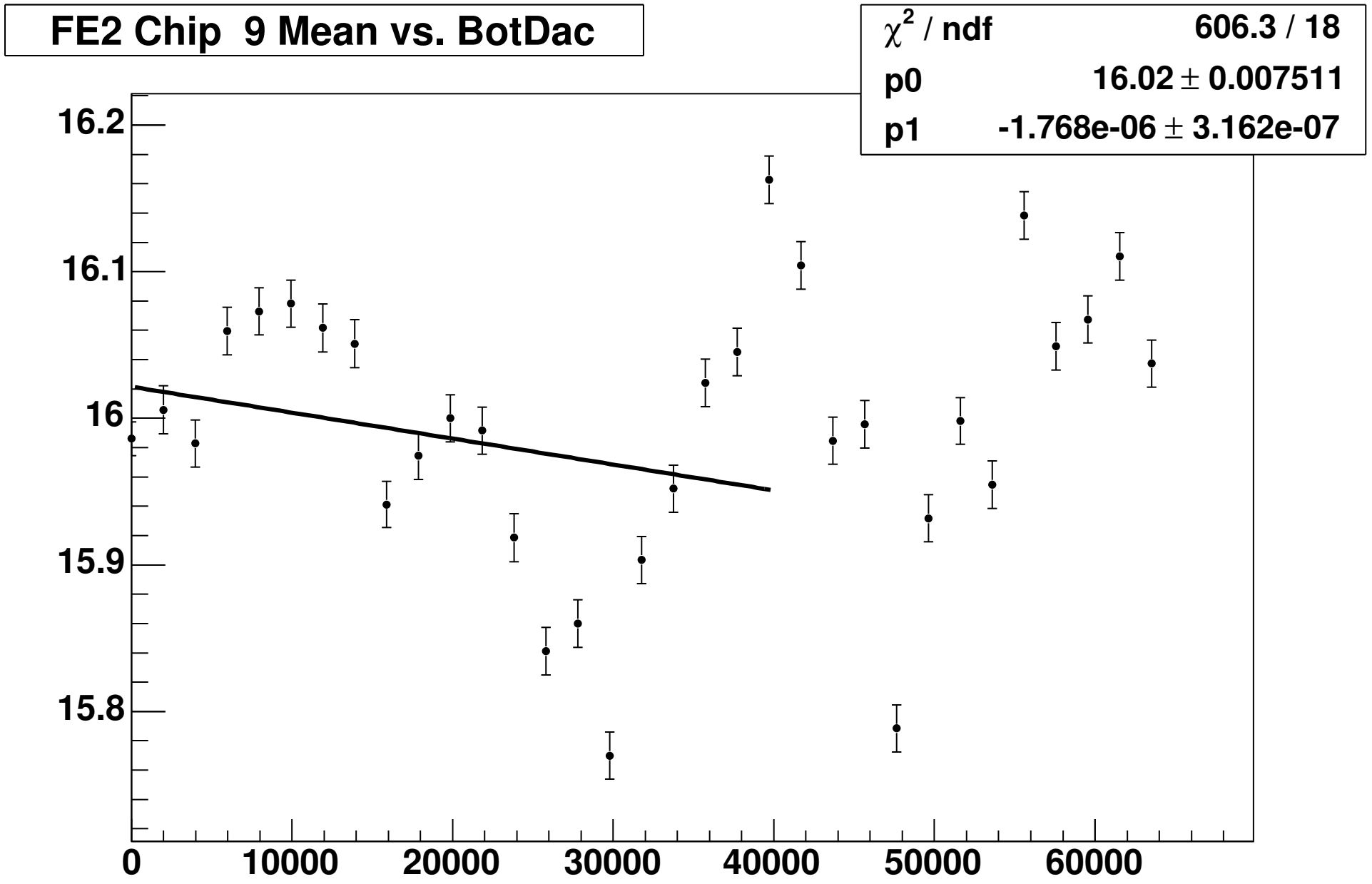

FE2 Chip 7 Rms vs. TopDac
χ² / ndf 334.4 / 18
p0 1.366 ± 0.003964
p1 3.414e-05 ± 2.834e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

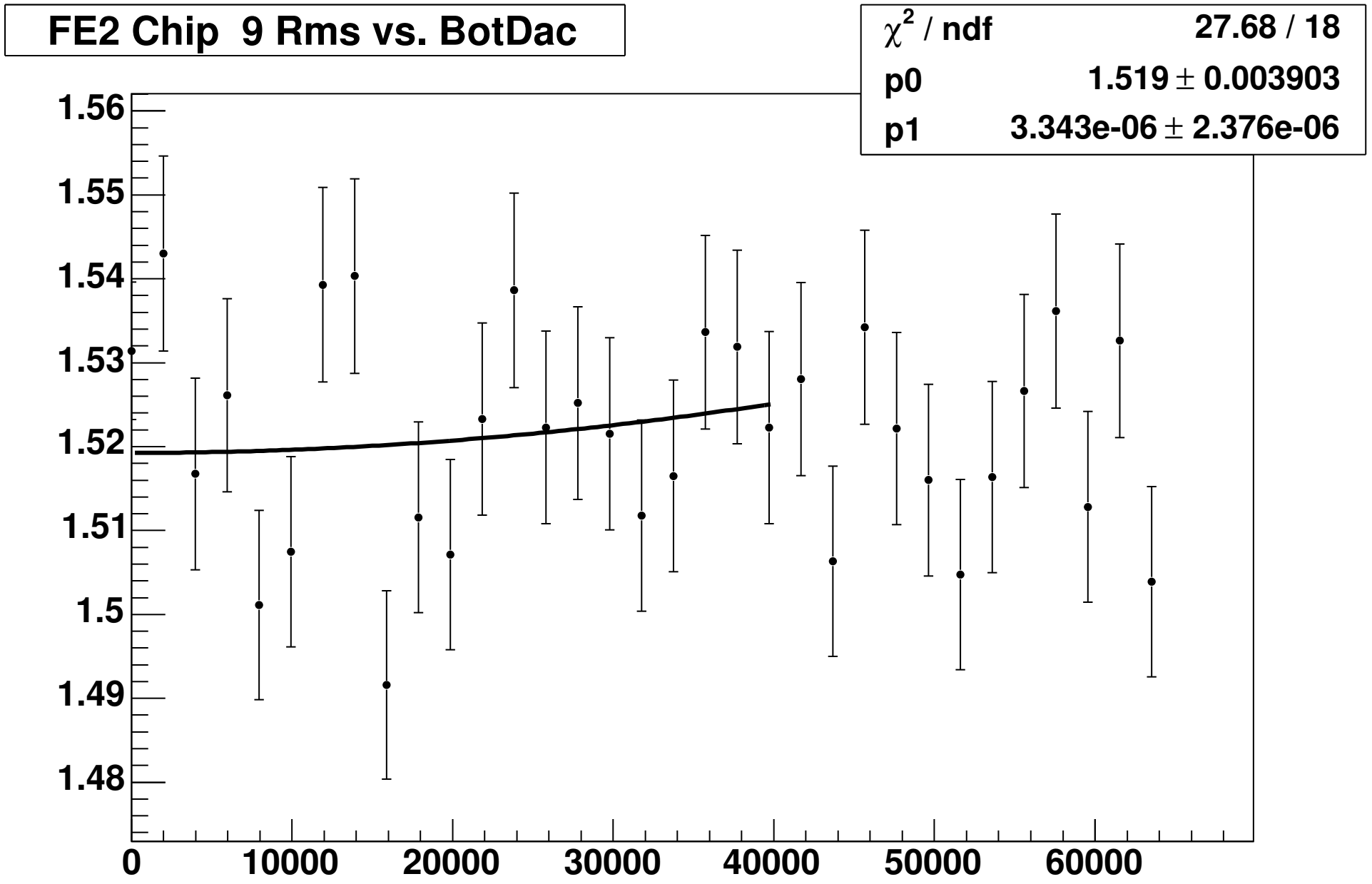

FE2 Chip 8 Mean vs. BotDac
χ² / ndf 580.3 / 18
p0 13.13 ± 0.007401
p1 -2.016e-06 ± 3.115e-07
13.25
13.2
13.15
13.1
13.05
13
12.95
12.9
12.85
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. BotDac
χ² / ndf 26.69 / 18
p0 1.5 ± 0.003851
p1 3.081e-06 ± 2.509e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Mean vs. TopDac
χ² / ndf 3.232e+04 / 18
p0 14.68 ± 0.00737
p1 0.4515 ± 3.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE2 Chip 8 Rms vs. TopDac
χ² / ndf 461.3 / 18
p0 1.372 ± 0.003963
p1 3.309e-05 ± 2.894e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Mean vs. BotDac
χ² / ndf 606.3 / 18
p0 16.02 ± 0.007511
p1 -1.768e-06 ± 3.162e-07
16.2
16.1
16
15.9
15.8
0
10000
20000
30000
40000
50000
60000


FE2 Chip 9 Rms vs. BotDac
χ² / ndf 27.68 / 18
p0 1.519 ± 0.003903
p1 3.343e-06 ± 2.376e-06
1.56
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
10000
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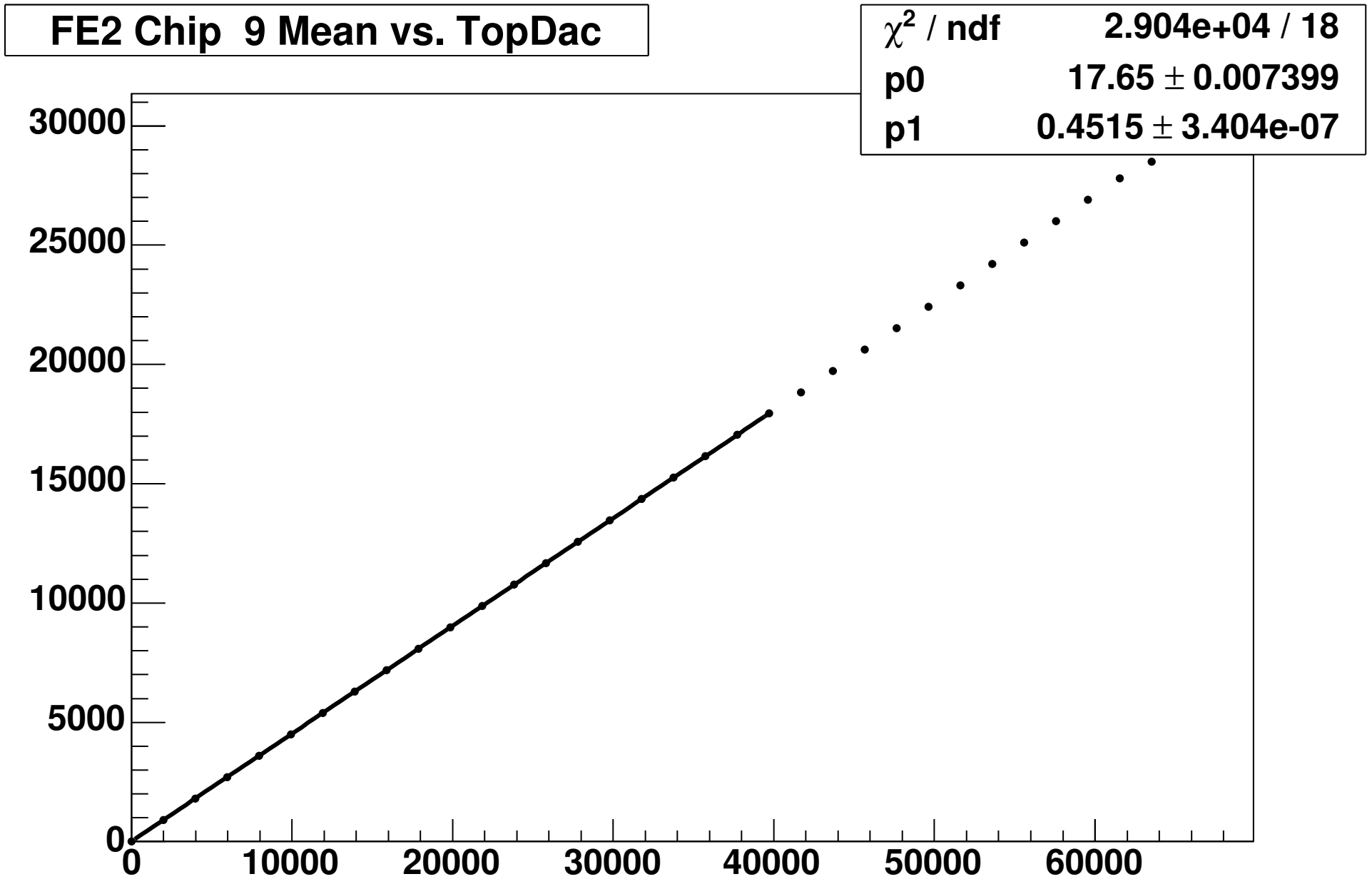
FE2 Chip 9 Mean vs. TopDac
χ² / ndf 2.904e+04 / 18
p0 17.65 ± 0.007399
p1 0.4515 ± 3.404e-07
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25000
20000
15000
10000
5000
0
0
10000
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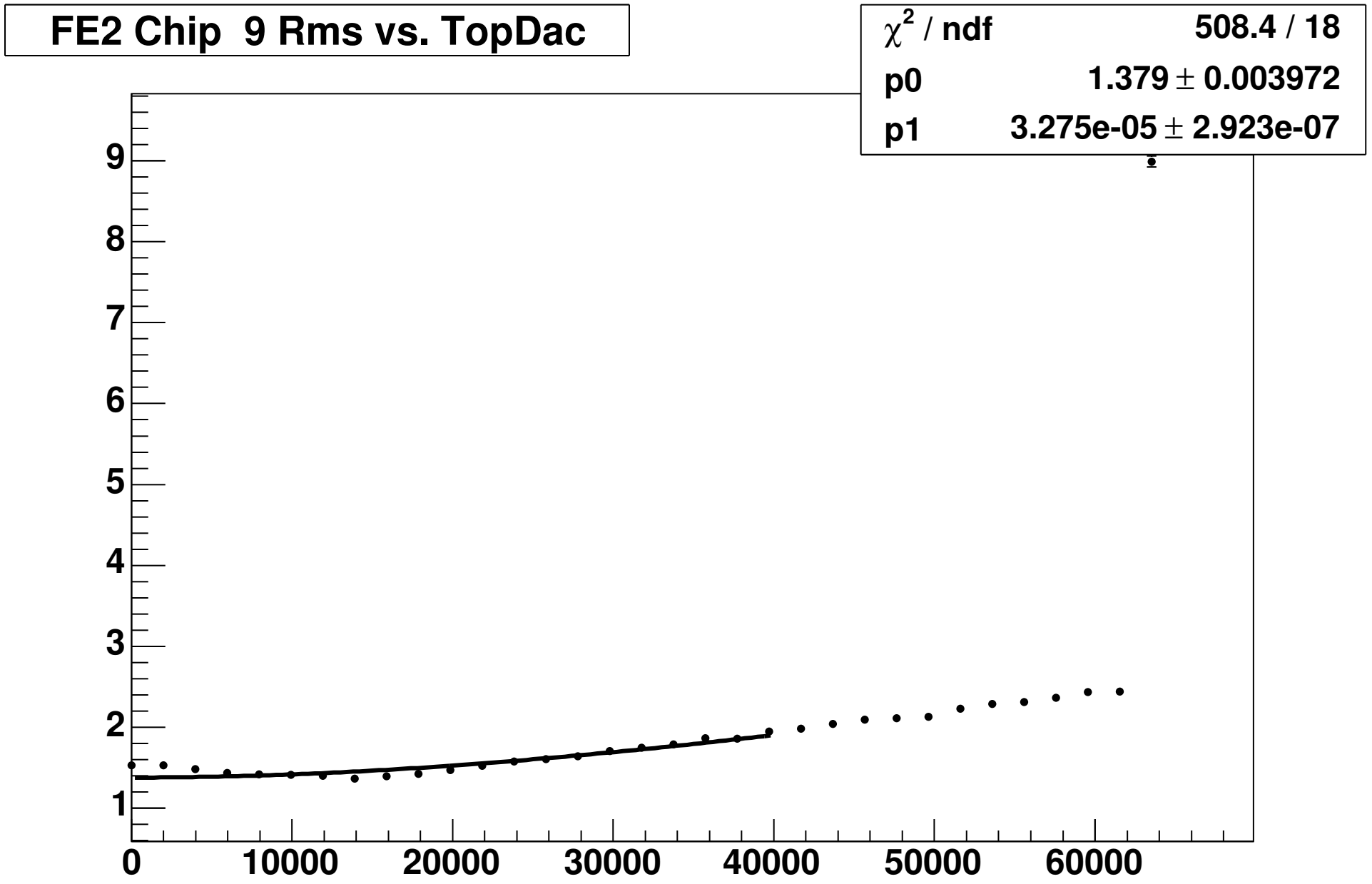
40000
50000
60000


FE2 Chip 9 Rms vs. TopDac
χ² / ndf 508.4 / 18
p0 1.379 ± 0.003972
p1 3.275e-05 ± 2.923e-07
9
8
7
6
5
4
3
2
1
0
10000
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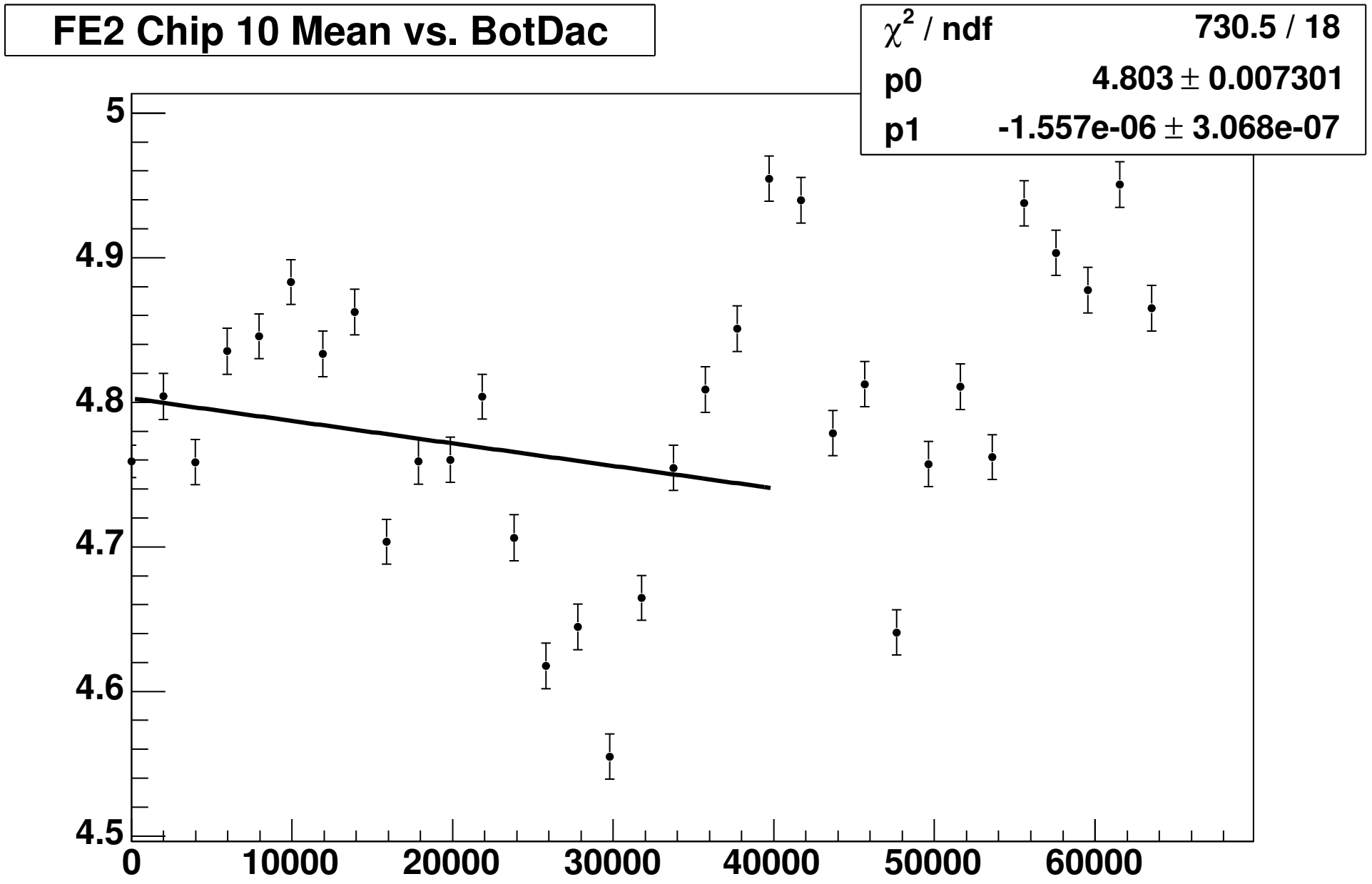
FE2 Chip 10 Mean vs. BotDac
χ² / ndf 730.5 / 18
p0 4.803 ± 0.007301
p1 -1.557e-06 ± 3.068e-07
5
4.9
4.8
4.7
4.6
4.5
0
10000
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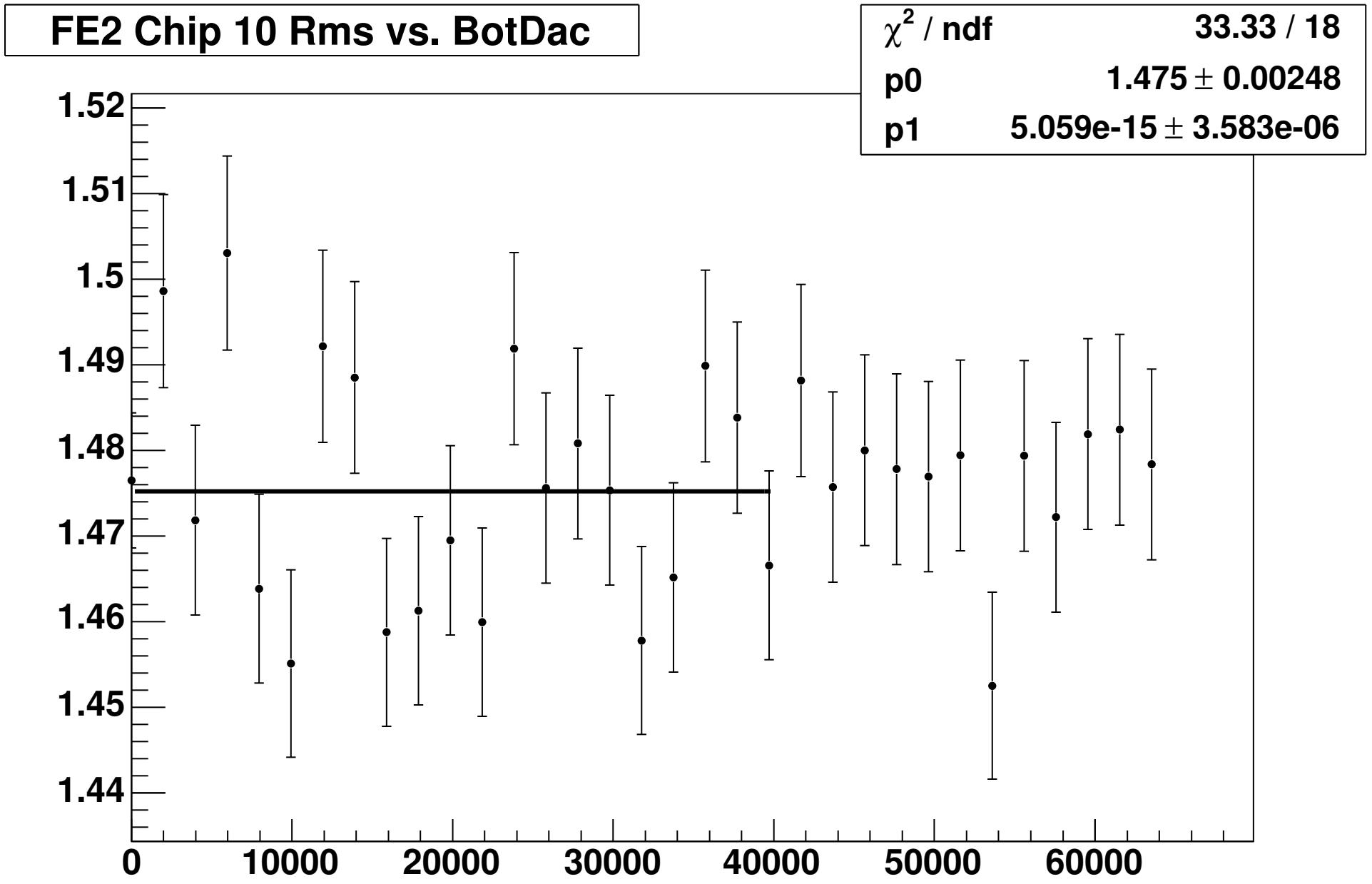
FE2 Chip 10 Rms vs. BotDac
χ² / ndf 33.33 / 18
p0 1.475 ± 0.00248
p1 5.059e-15 ± 3.583e-06
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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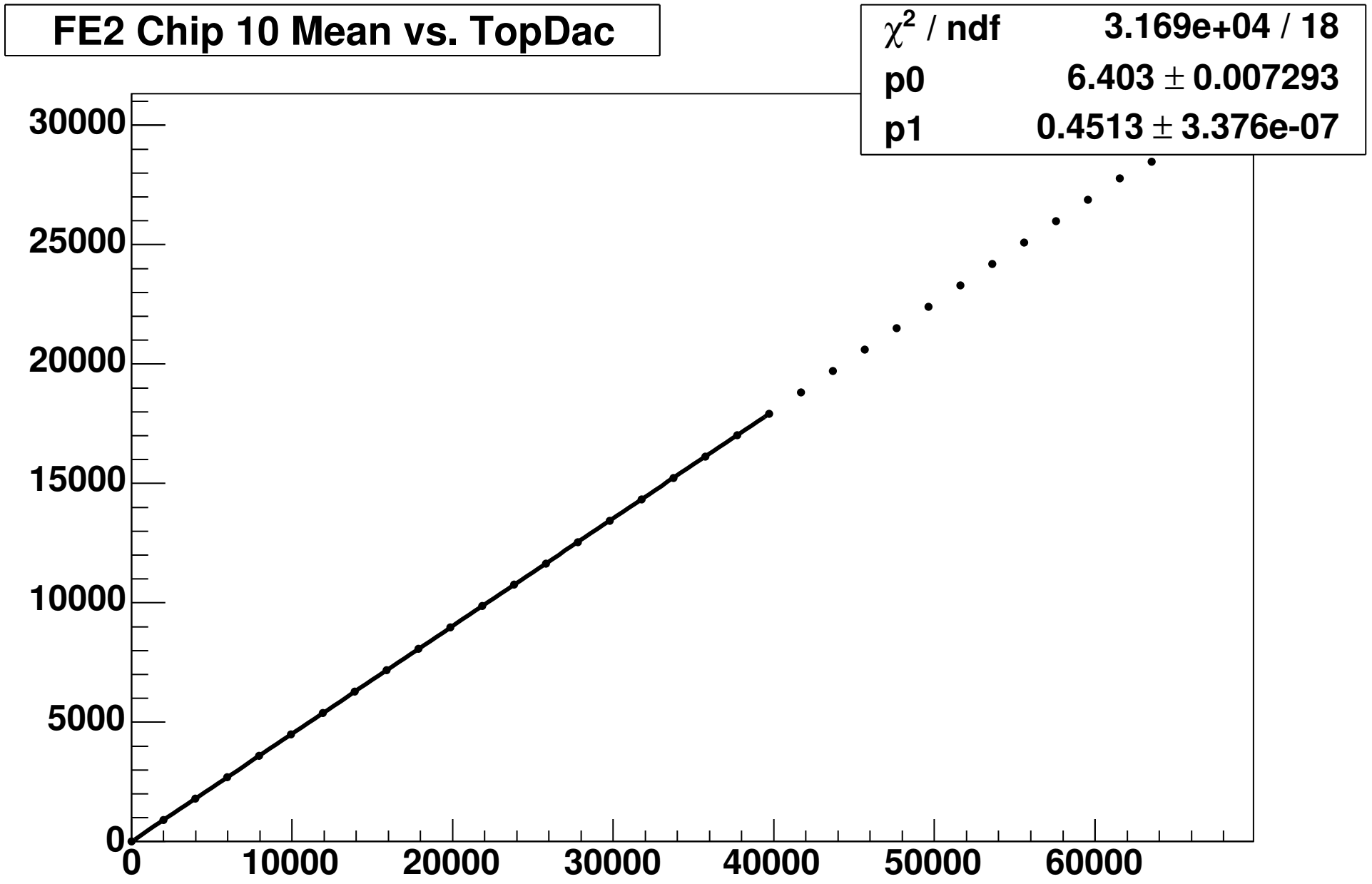
FE2 Chip 10 Mean vs. TopDac
χ² / ndf 3.169e+04 / 18
p0 6.403 ± 0.007293
p1 0.4513 ± 3.376e-07
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25000
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15000
10000
5000
0
0
10000
20000
30000
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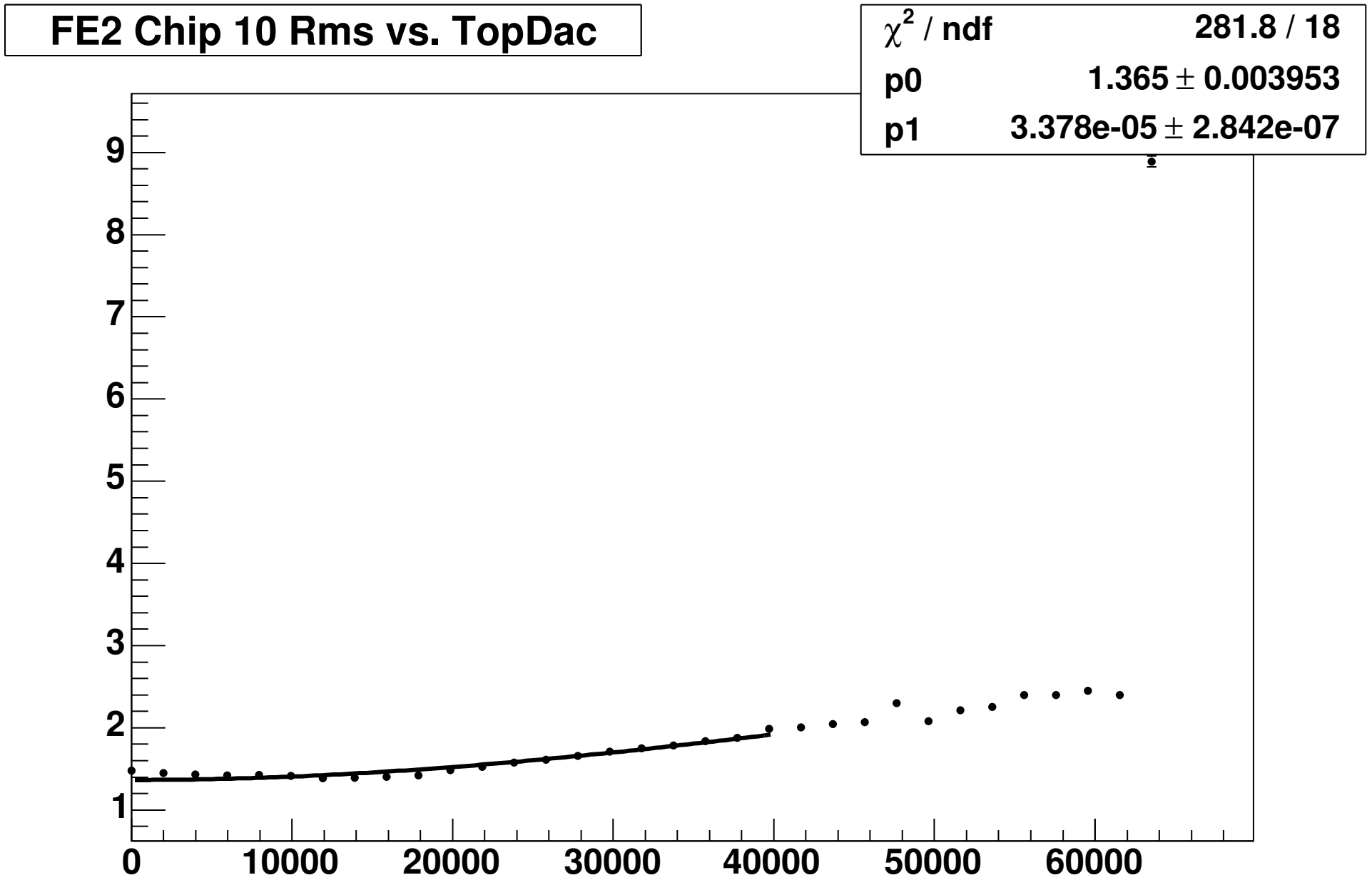
50000
60000


FE2 Chip 10 Rms vs. TopDac
χ² / ndf 281.8 / 18
p0 1.365 ± 0.003953
p1 3.378e-05 ± 2.842e-07
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8
7
6
5
4
3
2
1
0
10000
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30000
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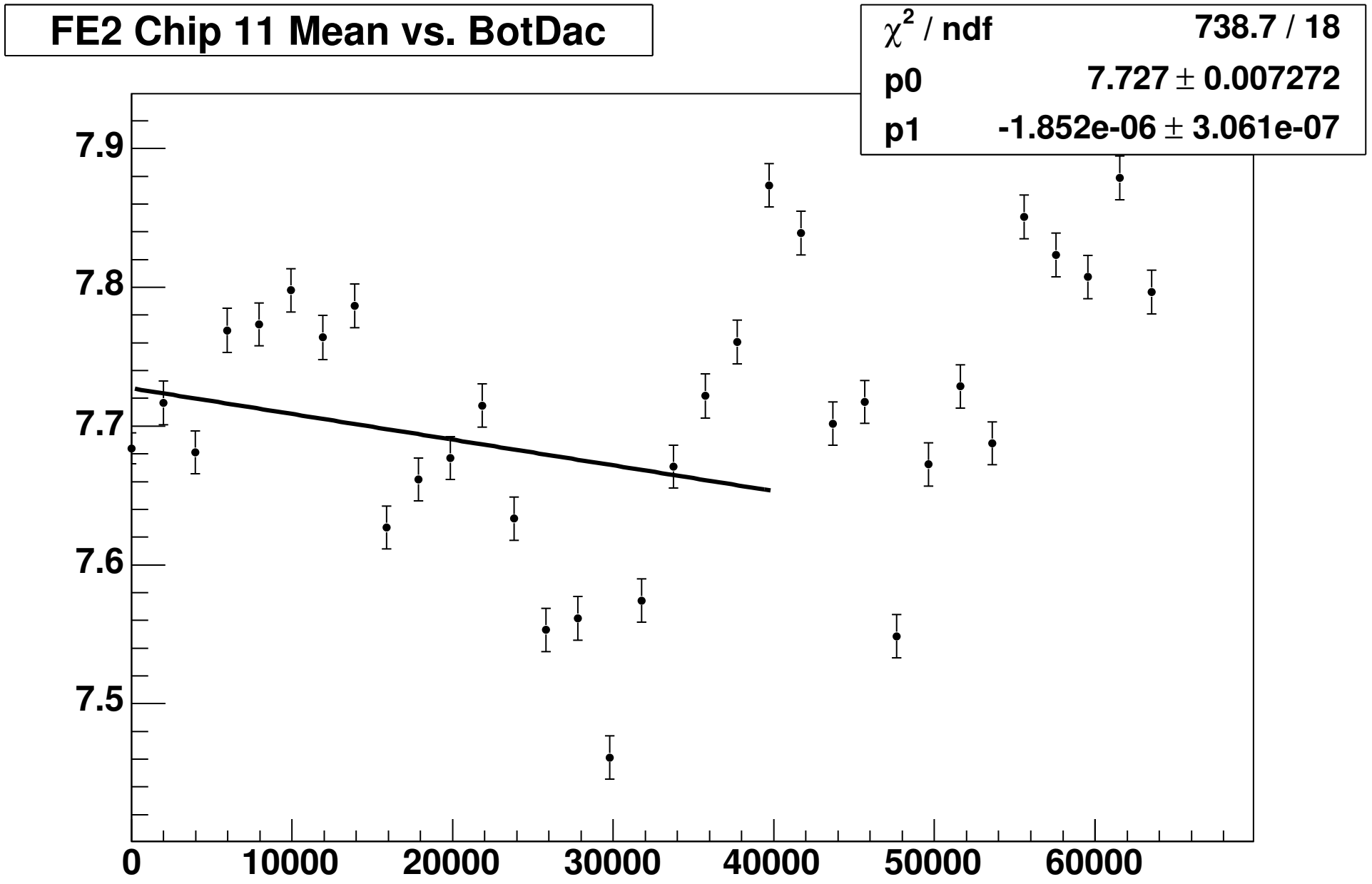
FE2 Chip 11 Mean vs. BotDac
χ² / ndf 738.7 / 18
p0 7.727 ± 0.007272
p1 -1.852e-06 ± 3.061e-07
7.9
7.8
7.7
7.6
7.5
0
10000
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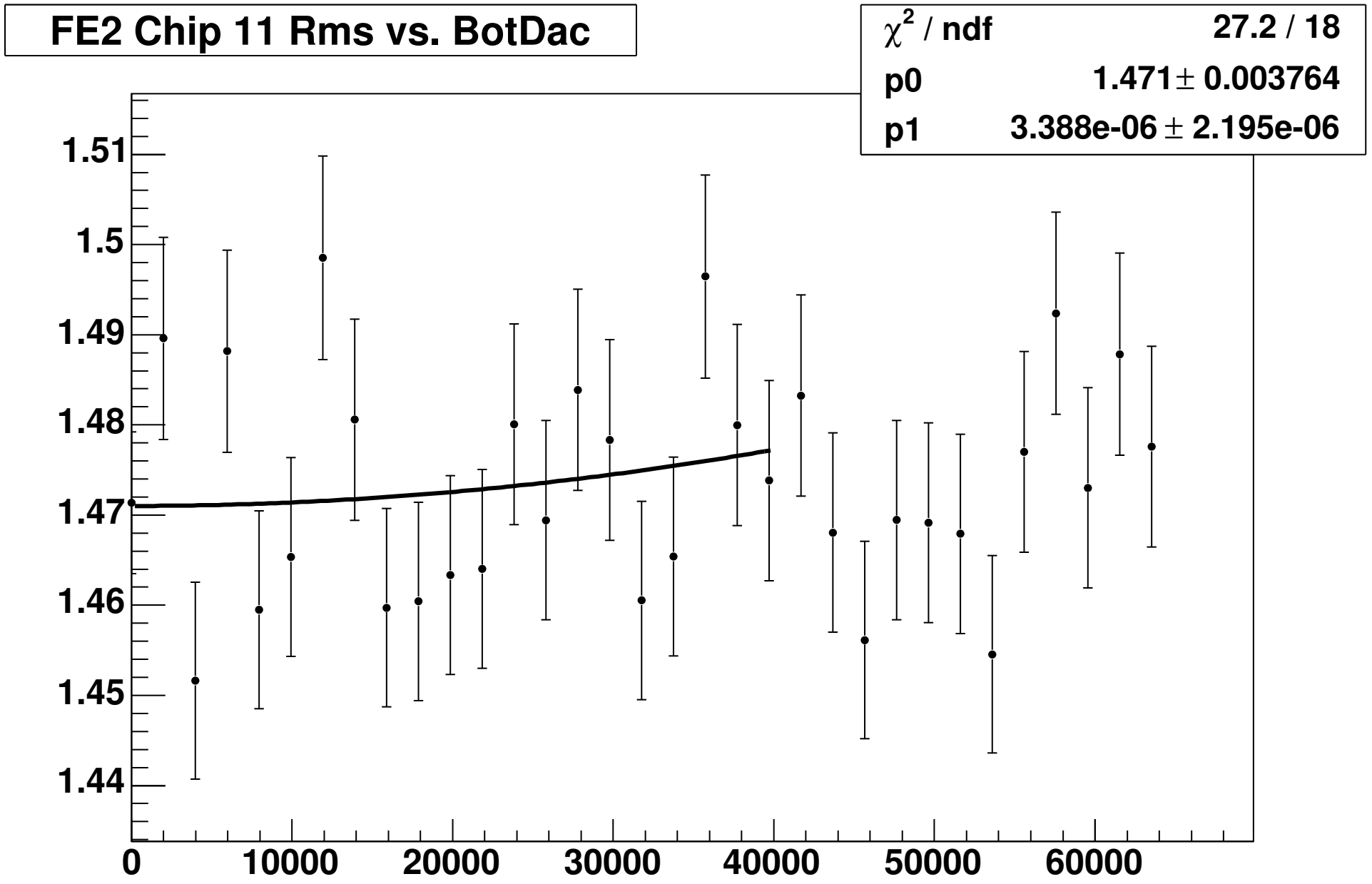
30000
40000
50000
60000


FE2 Chip 11 Rms vs. BotDac
χ² / ndf 27.2 / 18
p0 1.471 ± 0.003764
p1 3.388e-06 ± 2.195e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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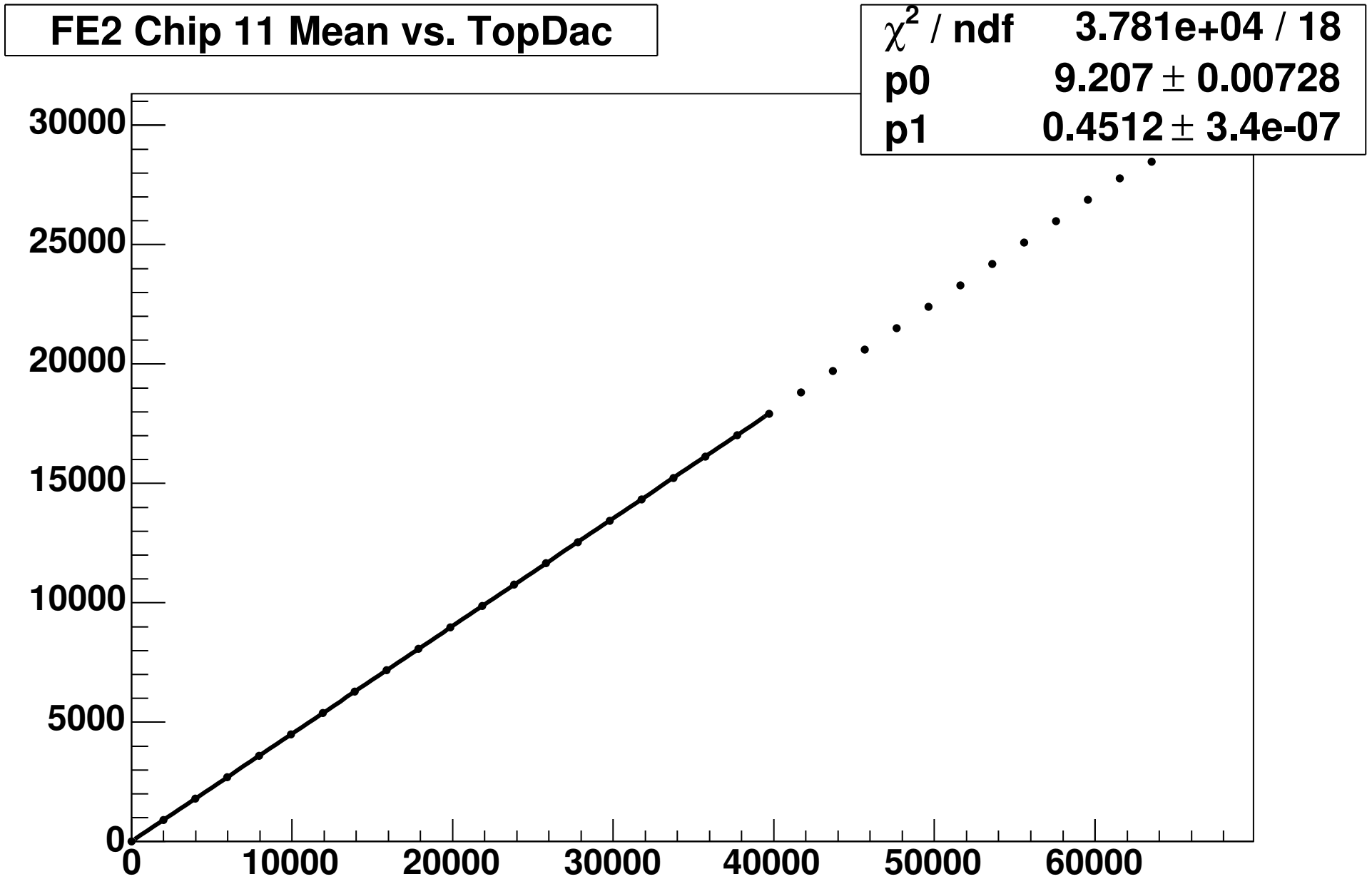
30000
40000
50000
60000


FE2 Chip 11 Mean vs. TopDac
χ² / ndf 3.781e+04 / 18
p0 9.207 ± 0.00728
p1 0.4512 ± 3.4e-07
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25000
20000
15000
10000
5000
0
0
10000
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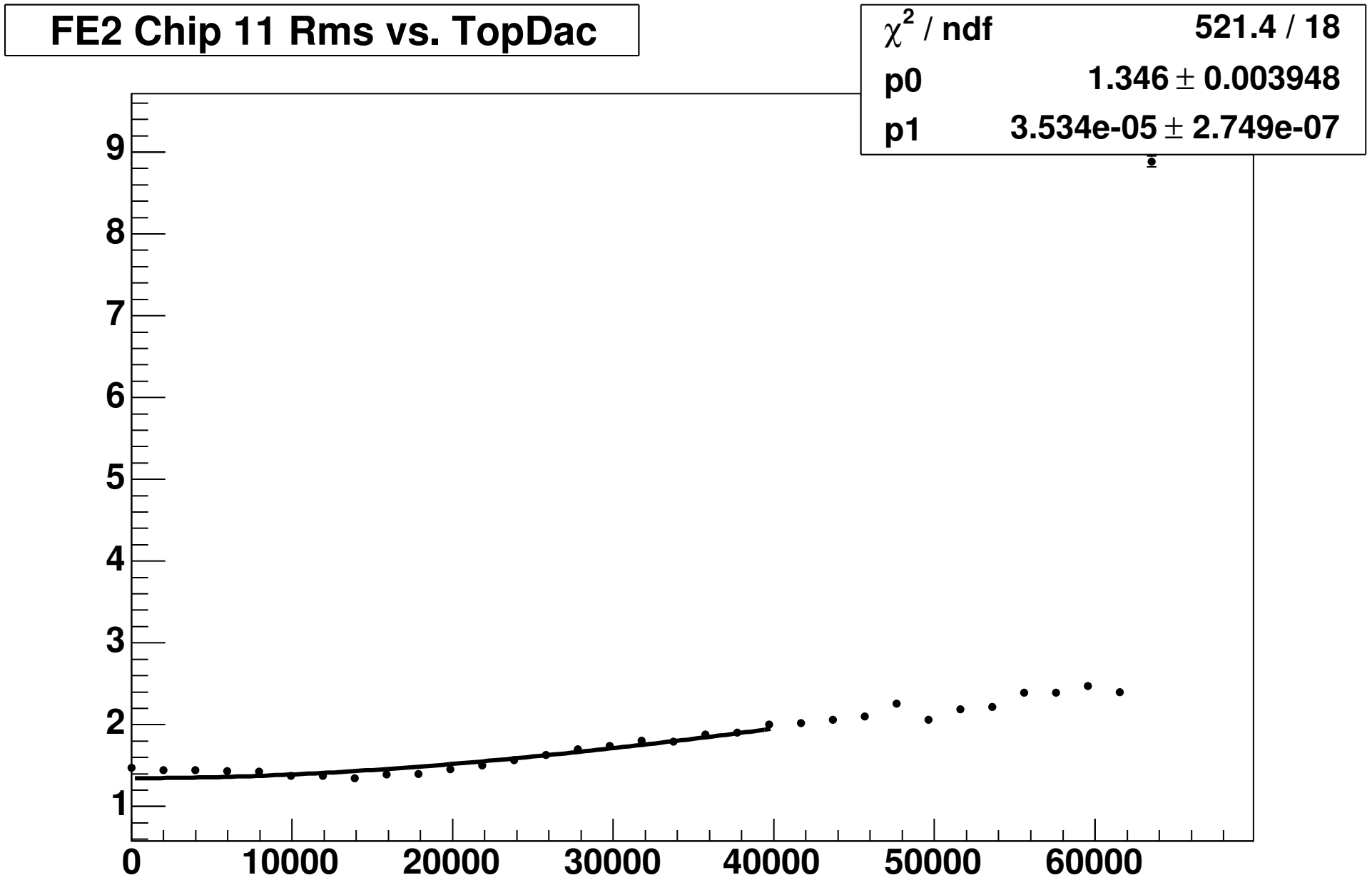
30000
40000
50000
60000


FE2 Chip 11 Rms vs. TopDac
χ² / ndf 521.4 / 18
p0 1.346 ± 0.003948
p1 3.534e-05 ± 2.749e-07
9
8
7
6
5
4
3
2
1
0
10000
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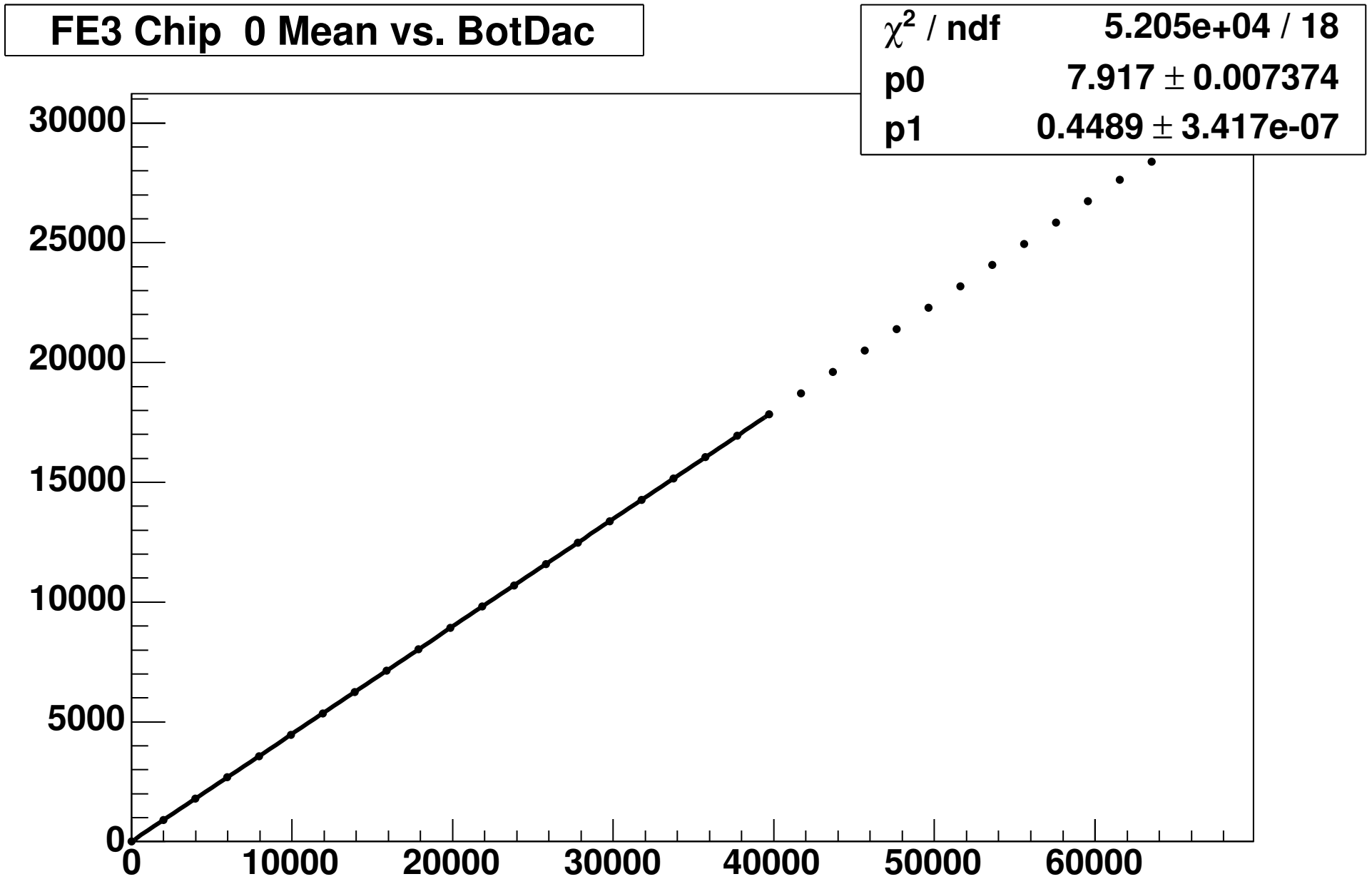
FE3 Chip 0 Mean vs. BotDac
χ² / ndf 5.205e+04 / 18
p0 7.917 ± 0.007374
p1 0.4489 ± 3.417e-07
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25000
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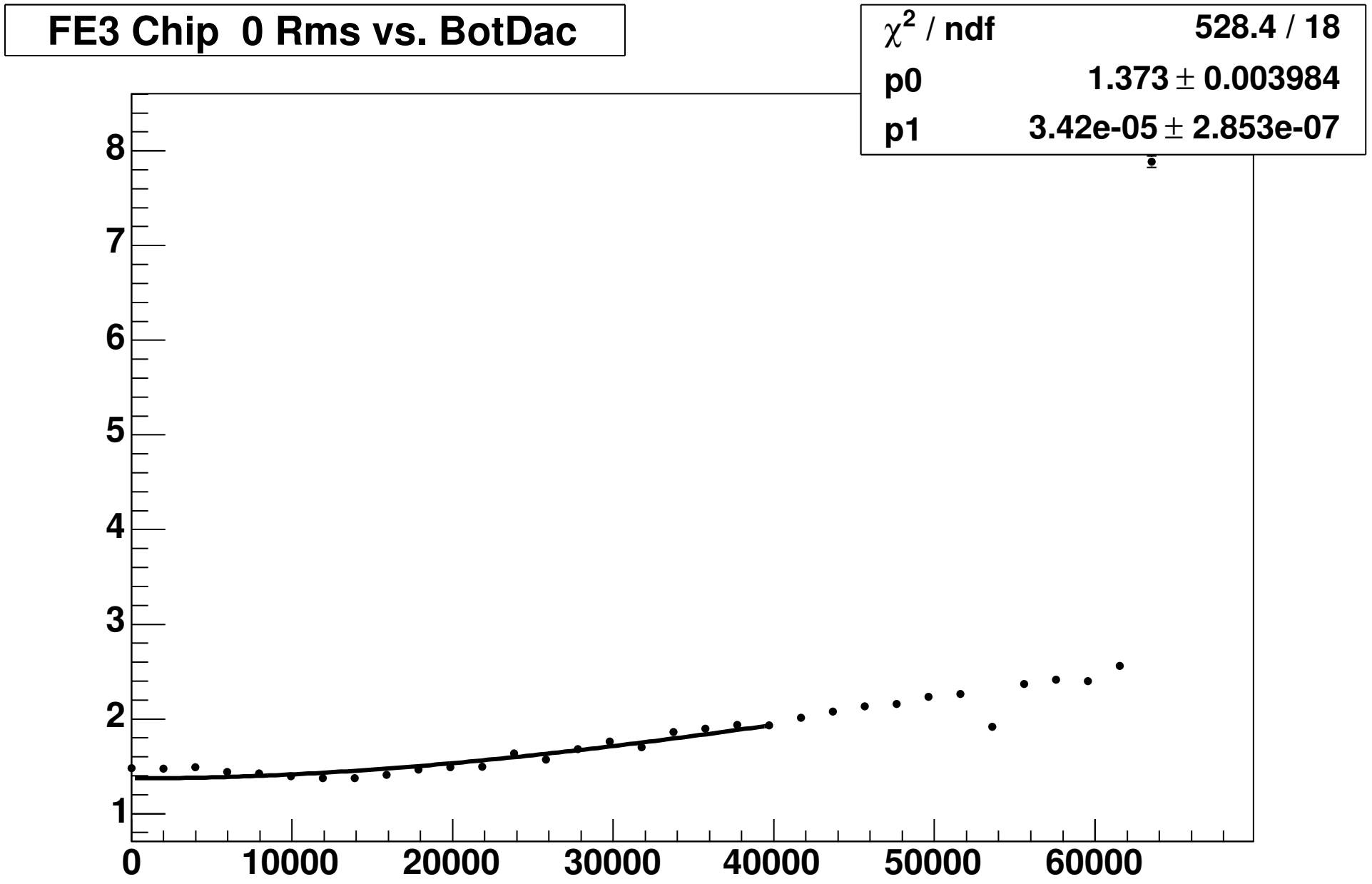
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 0 Rms vs. BotDac
χ² / ndf 528.4 / 18
p0 1.373 ± 0.003984
p1 3.42e-05 ± 2.853e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
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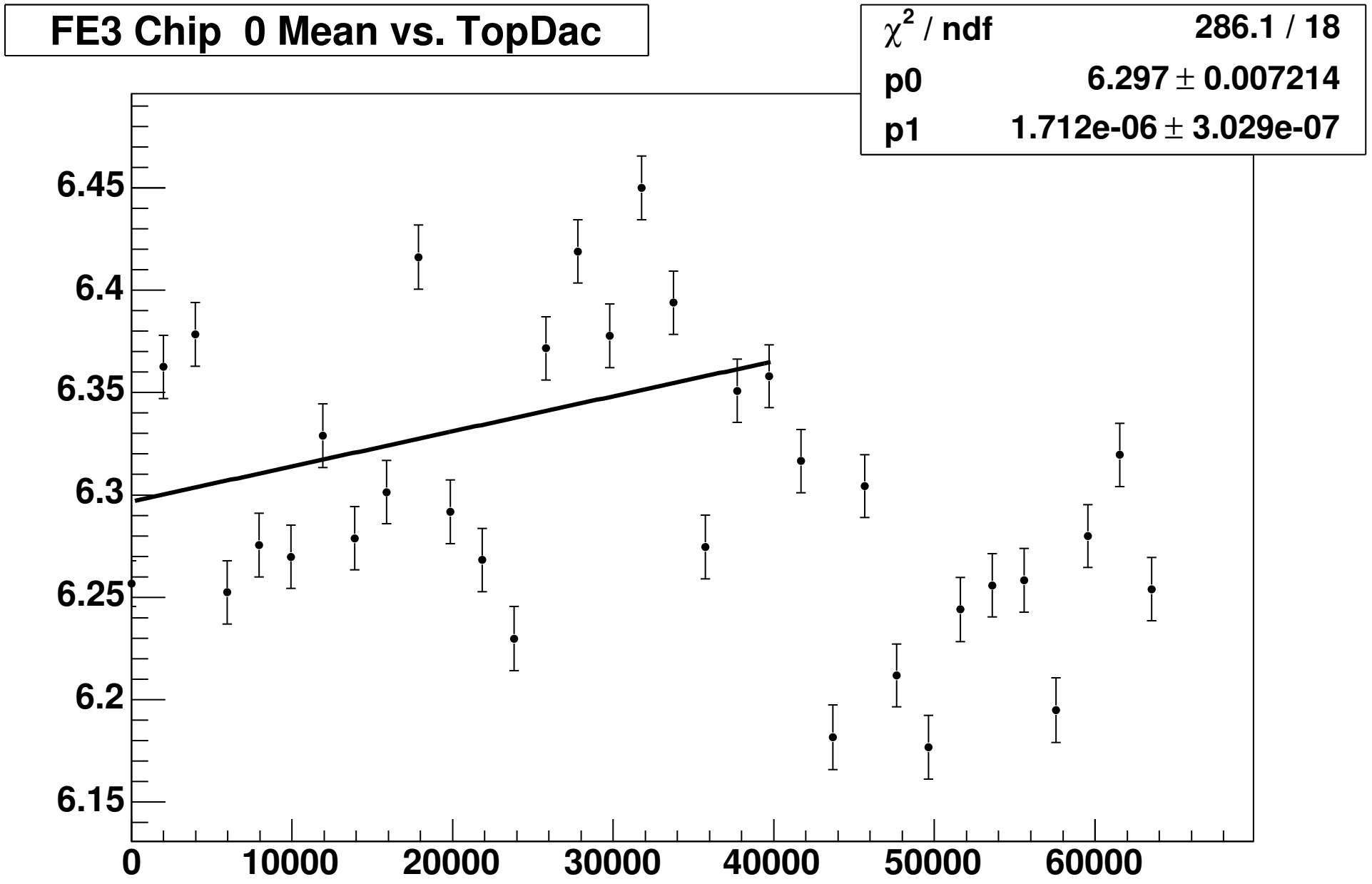
FE3 Chip 0 Mean vs. TopDac
χ² / ndf 286.1 / 18
p0 6.297 ± 0.007214
p1 1.712e-06 ± 3.029e-07
6.45
6.4
6.35
6.3
6.25
6.2
6.15
0
10000
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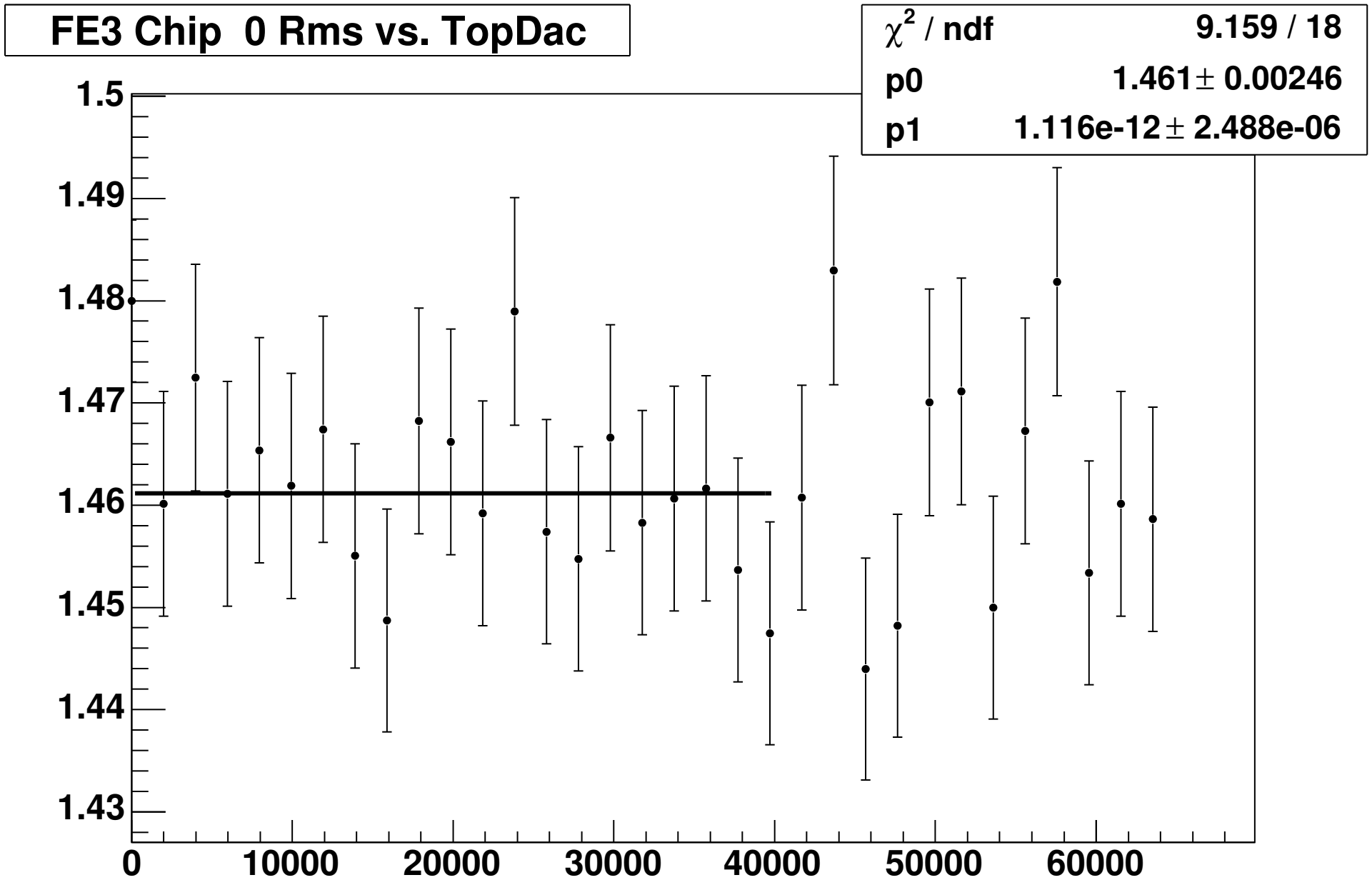
30000
40000
50000
60000


FE3 Chip 0 Rms vs. TopDac
χ² / ndf 9.159 / 18
p0 1.461 ± 0.00246
p1 1.116e-12 ± 2.488e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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30000
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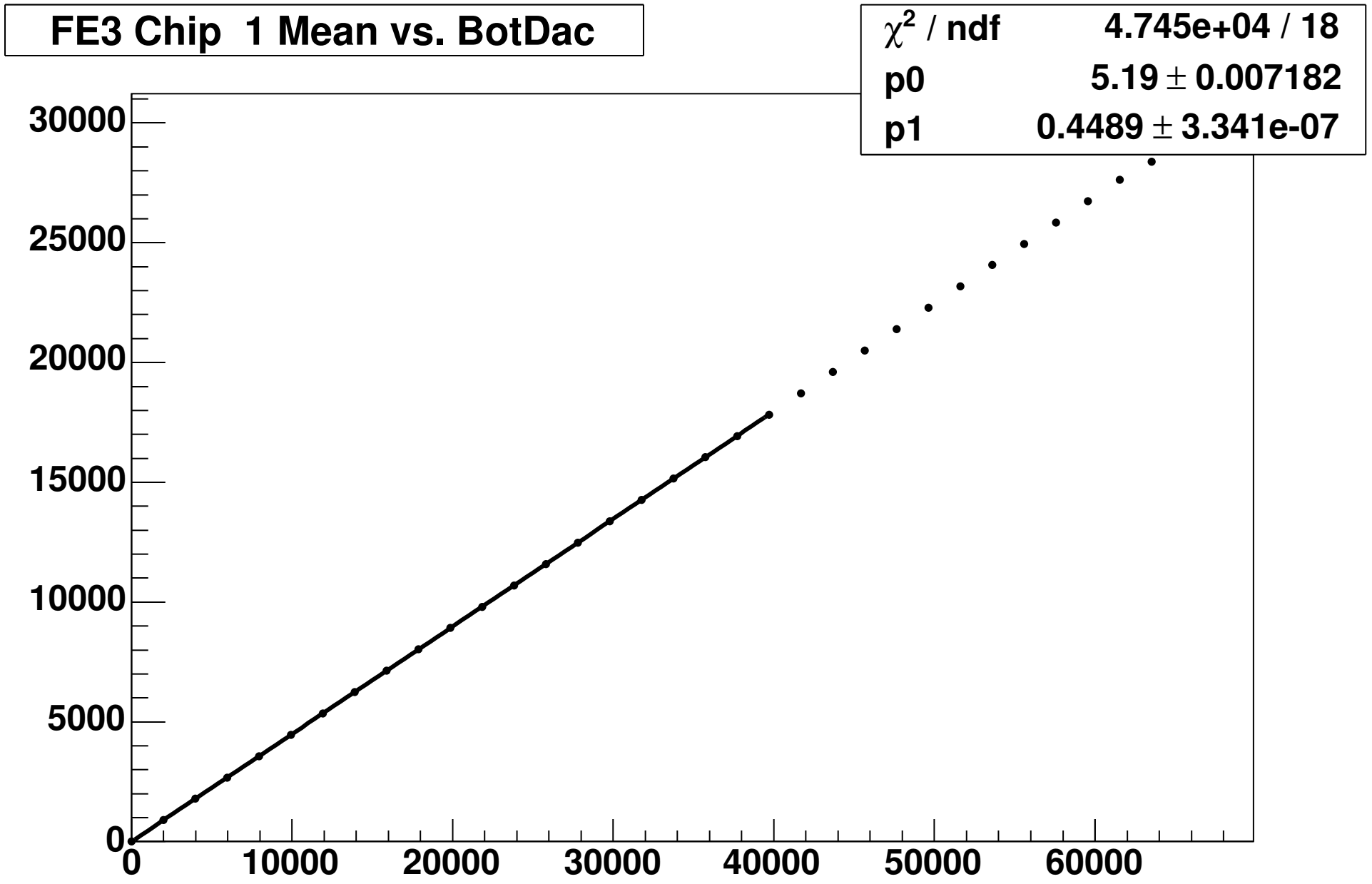
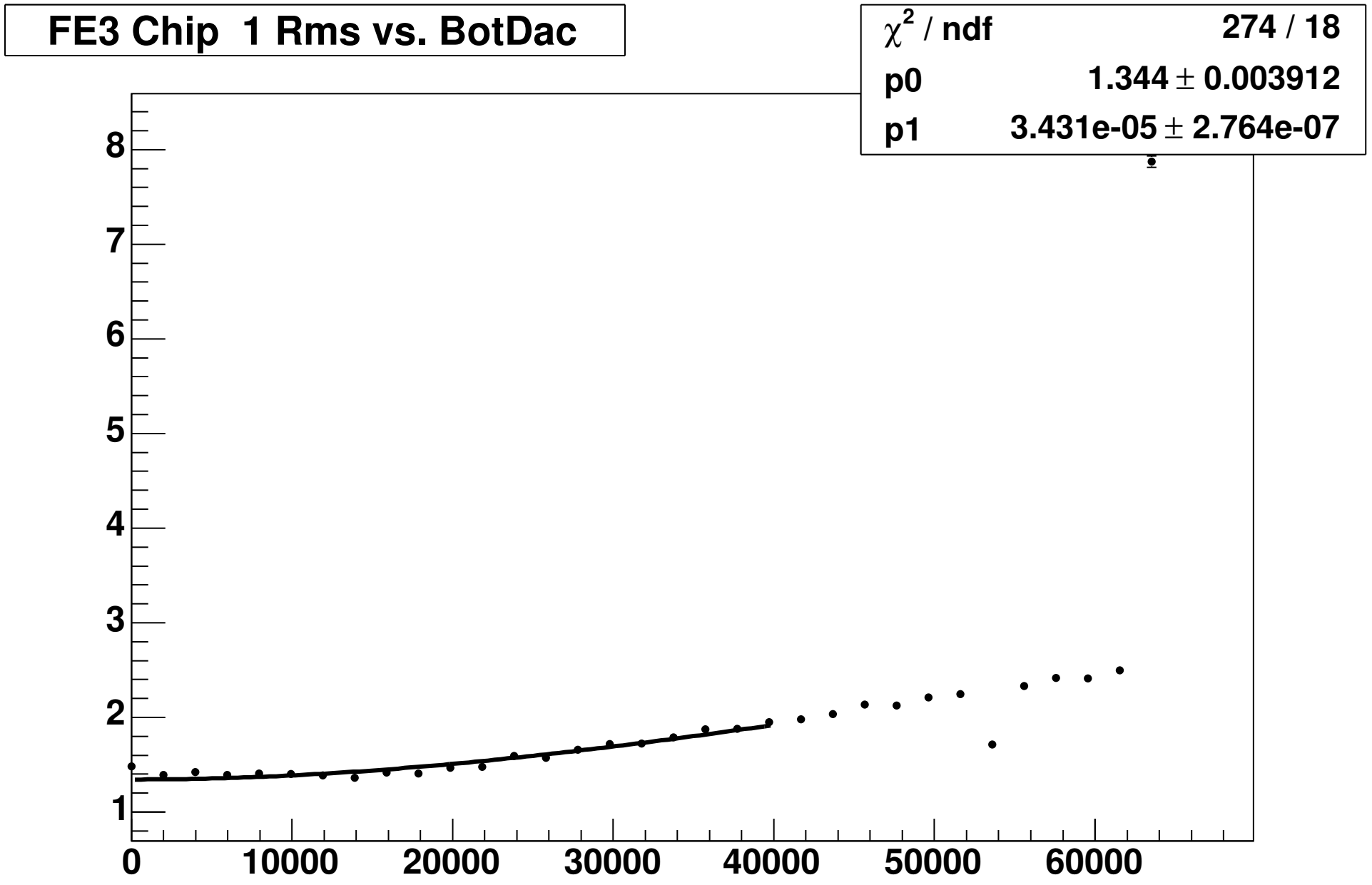
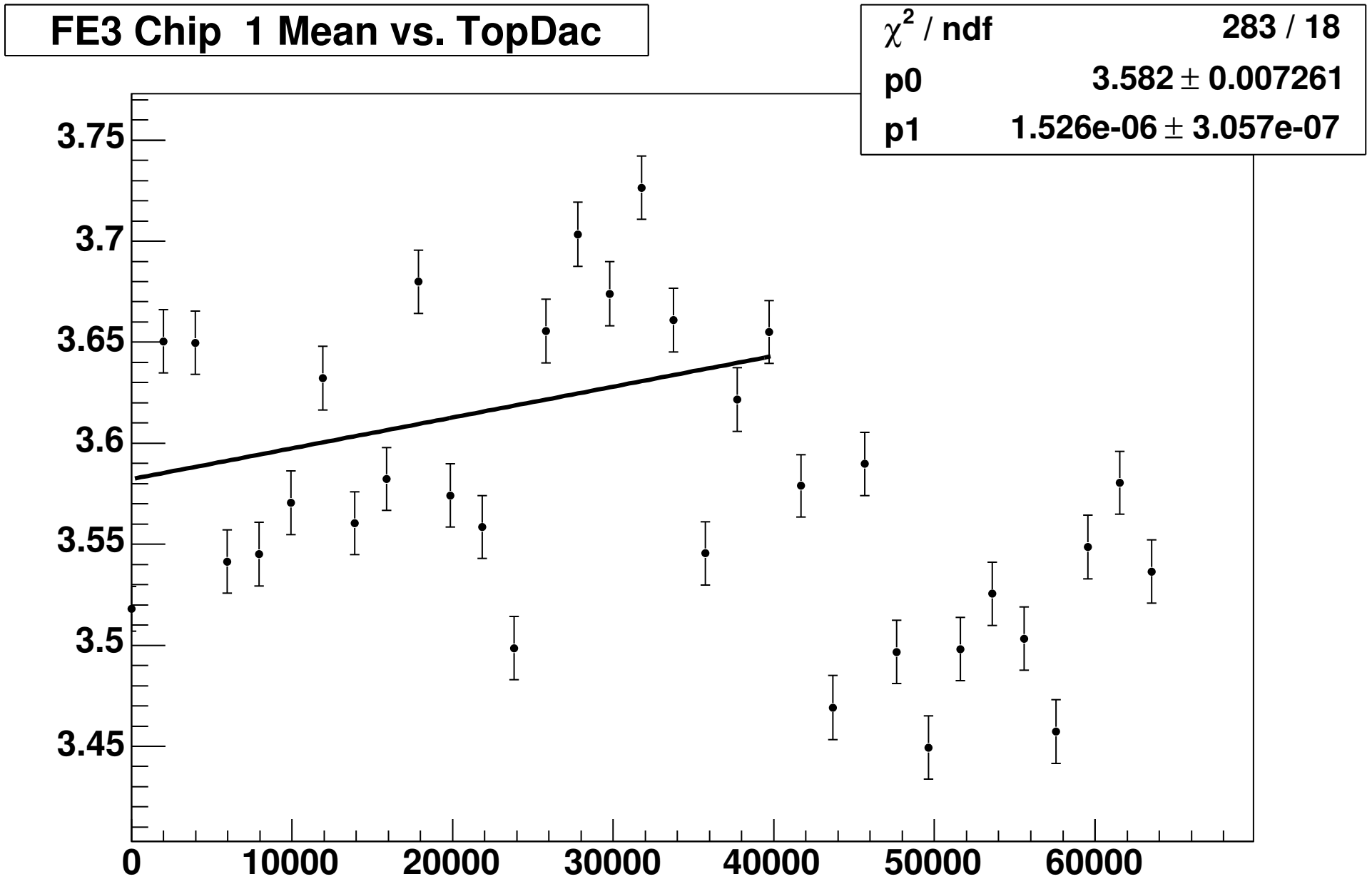

FE3 Chip 1 Mean vs. BotDac
χ² / ndf 4.745e+04 / 18
p0 5.19 ± 0.007182
p1 0.4489 ± 3.341e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Rms vs. BotDac
χ² / ndf 274 / 18
p0 1.344 ± 0.003912
p1 3.431e-05 ± 2.764e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 1 Mean vs. TopDac
χ² / ndf 283 / 18
p0 3.582 ± 0.007261
p1 1.526e-06 ± 3.057e-07
3.75
3.7
3.65
3.6
3.55
3.5
3.45
0
10000
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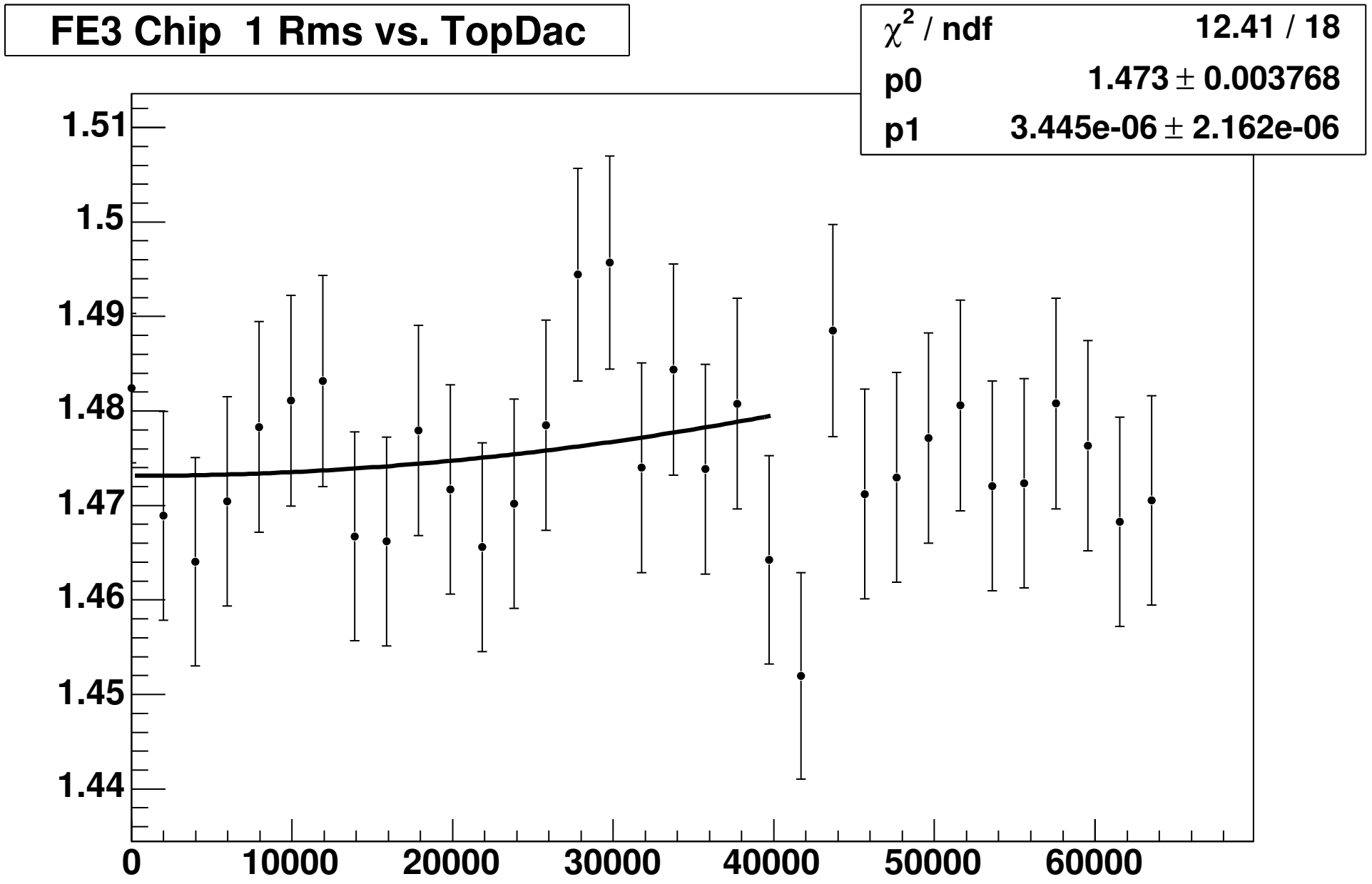
30000
40000
50000
60000


FE3 Chip 1 Rms vs. TopDac
χ² / ndf 12.41 / 18
p0 1.473 ± 0.003768
p1 3.445e-06 ± 2.162e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
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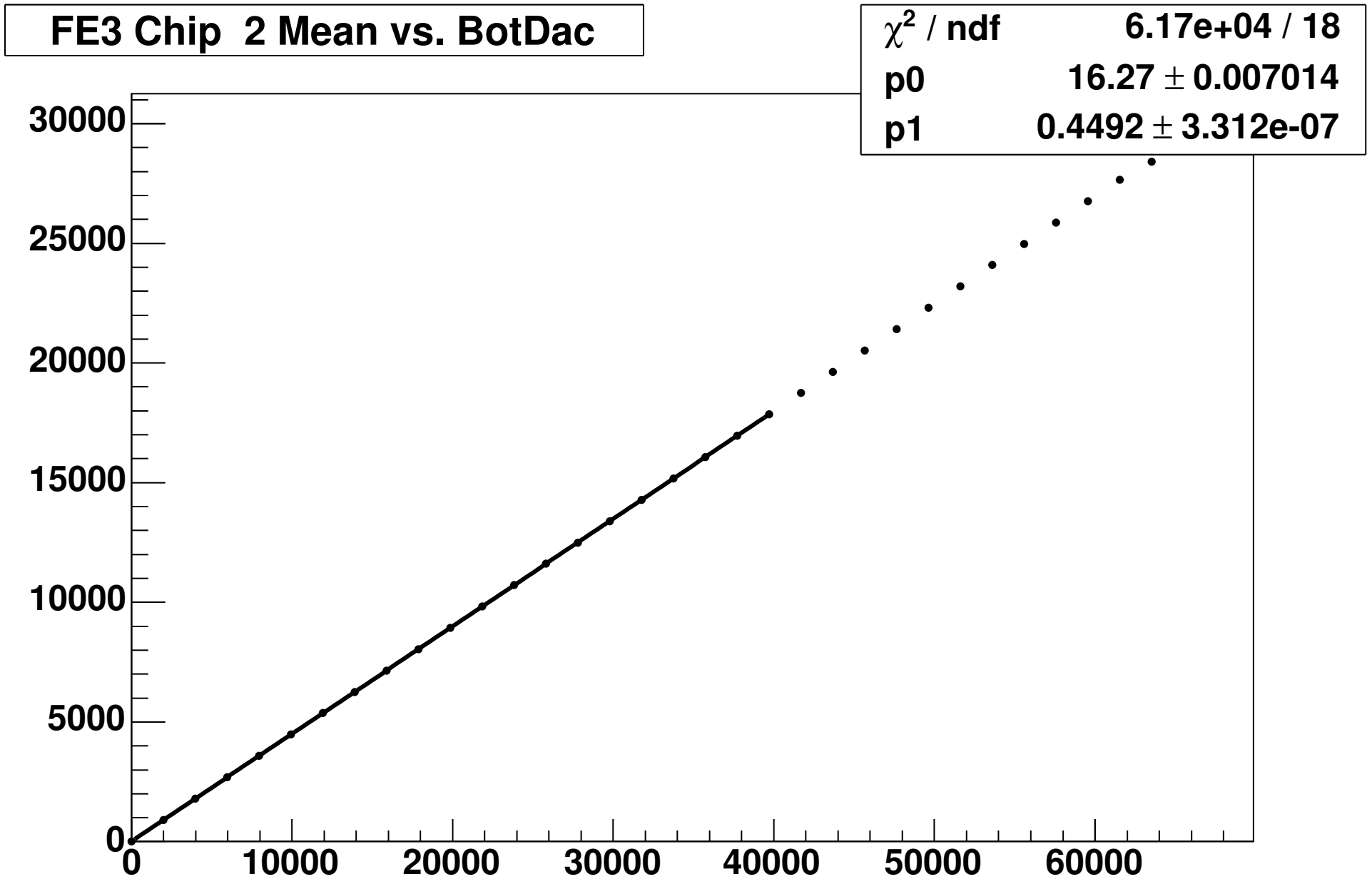
30000
40000
50000
60000


FE3 Chip 2 Mean vs. BotDac
χ² / ndf 6.17e+04 / 18
p0 16.27 ± 0.007014
p1 0.4492 ± 3.312e-07
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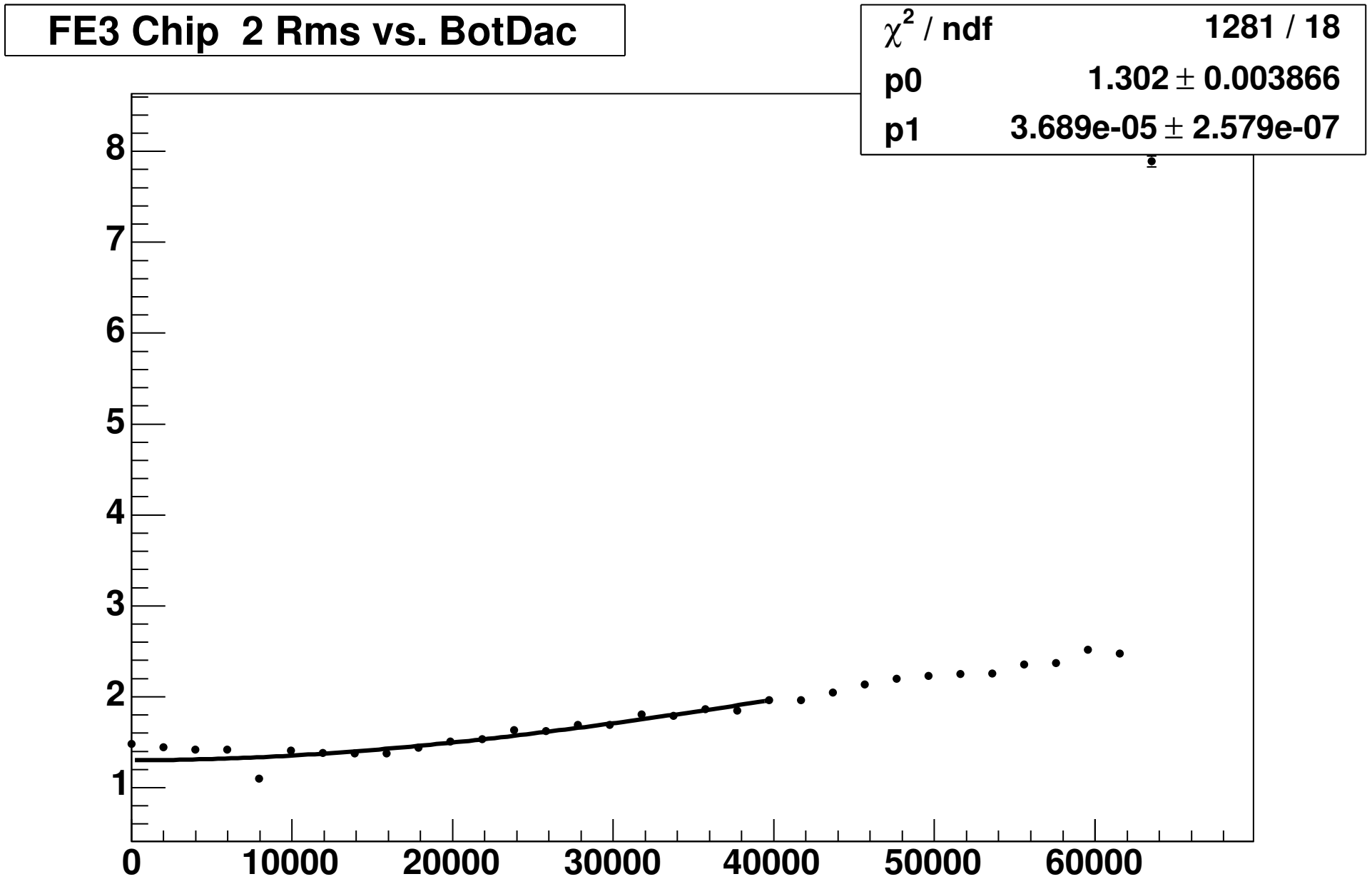
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Rms vs. BotDac
χ² / ndf 1281 / 18
p0 1.302 ± 0.003866
p1 3.689e-05 ± 2.579e-07
8
7
6
5
4
3
2
1
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10000
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40000
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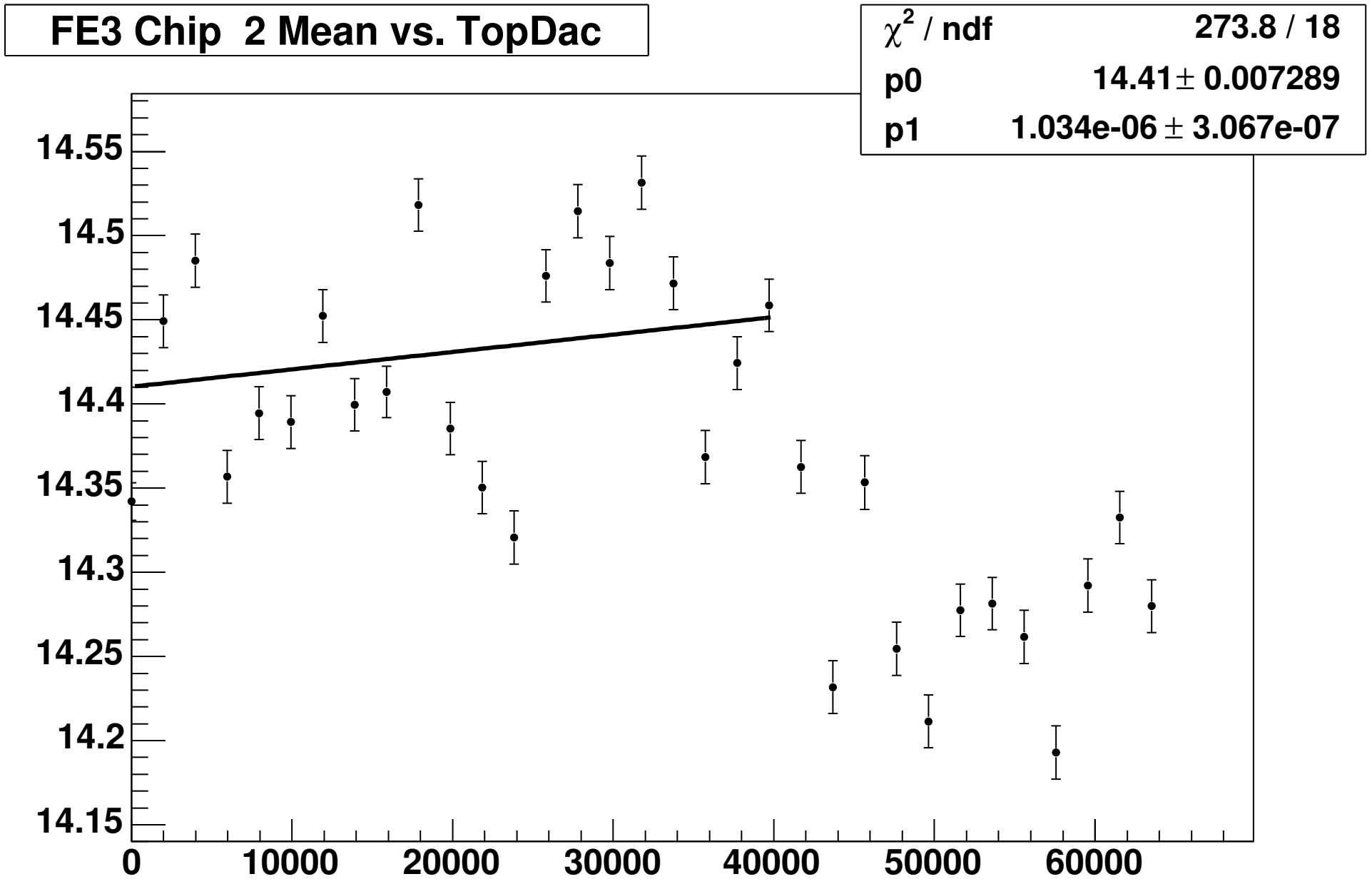
60000


FE3 Chip 2 Mean vs. TopDac
χ² / ndf 273.8 / 18
p0 14.41 ± 0.007289
p1 1.034e-06 ± 3.067e-07
14.55
14.5
14.45
14.4
14.35
14.3
14.25
14.2
14.15
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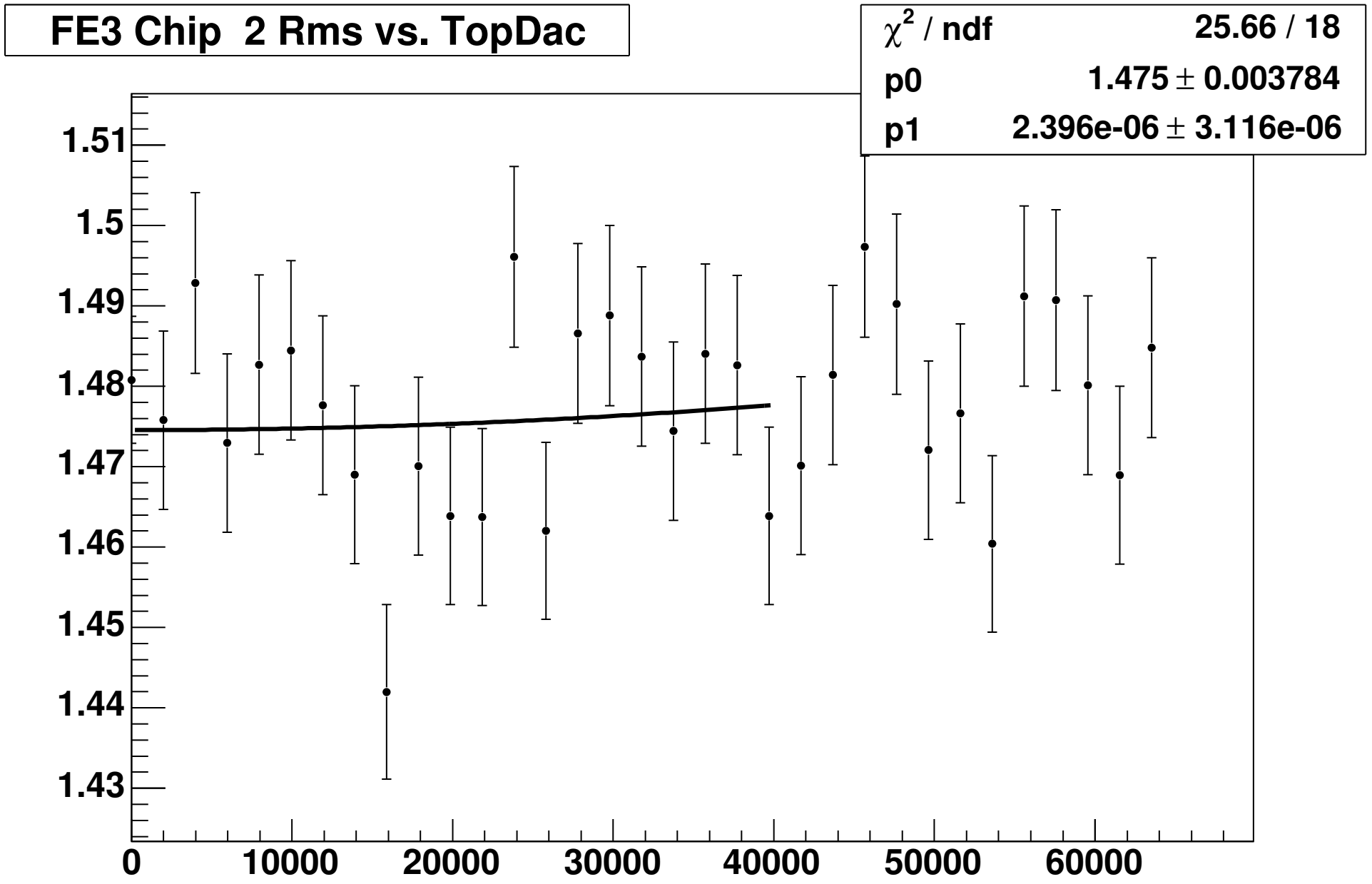
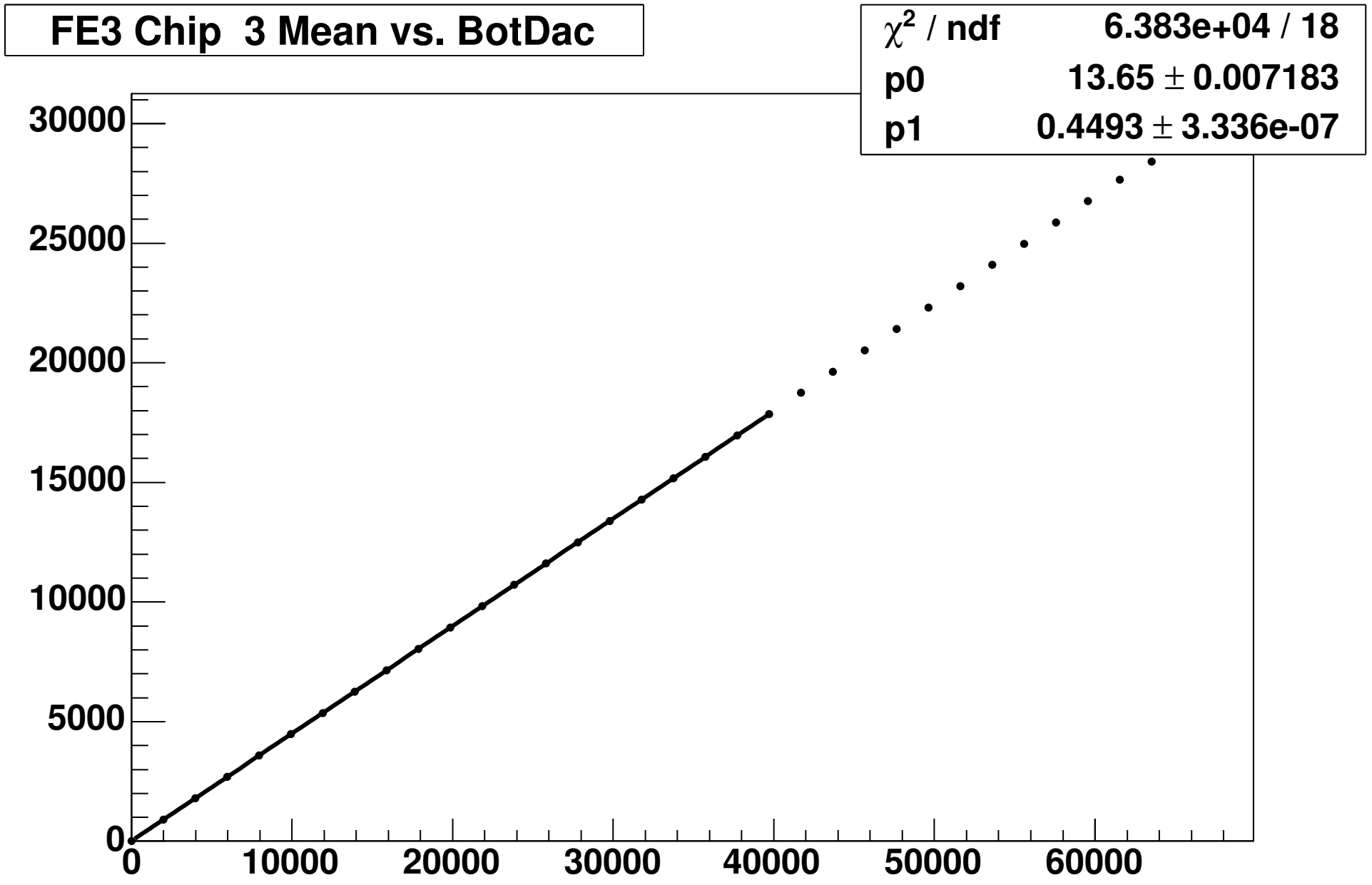
10000
20000
30000
40000
50000
60000


FE3 Chip 2 Rms vs. TopDac
χ² / ndf 25.66 / 18
p0 1.475 ± 0.003784
p1 2.396e-06 ± 3.116e-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


FE3 Chip 3 Mean vs. BotDac
χ² / ndf 6.383e+04 / 18
p0 13.65 ± 0.007183
p1 0.4493 ± 3.336e-07
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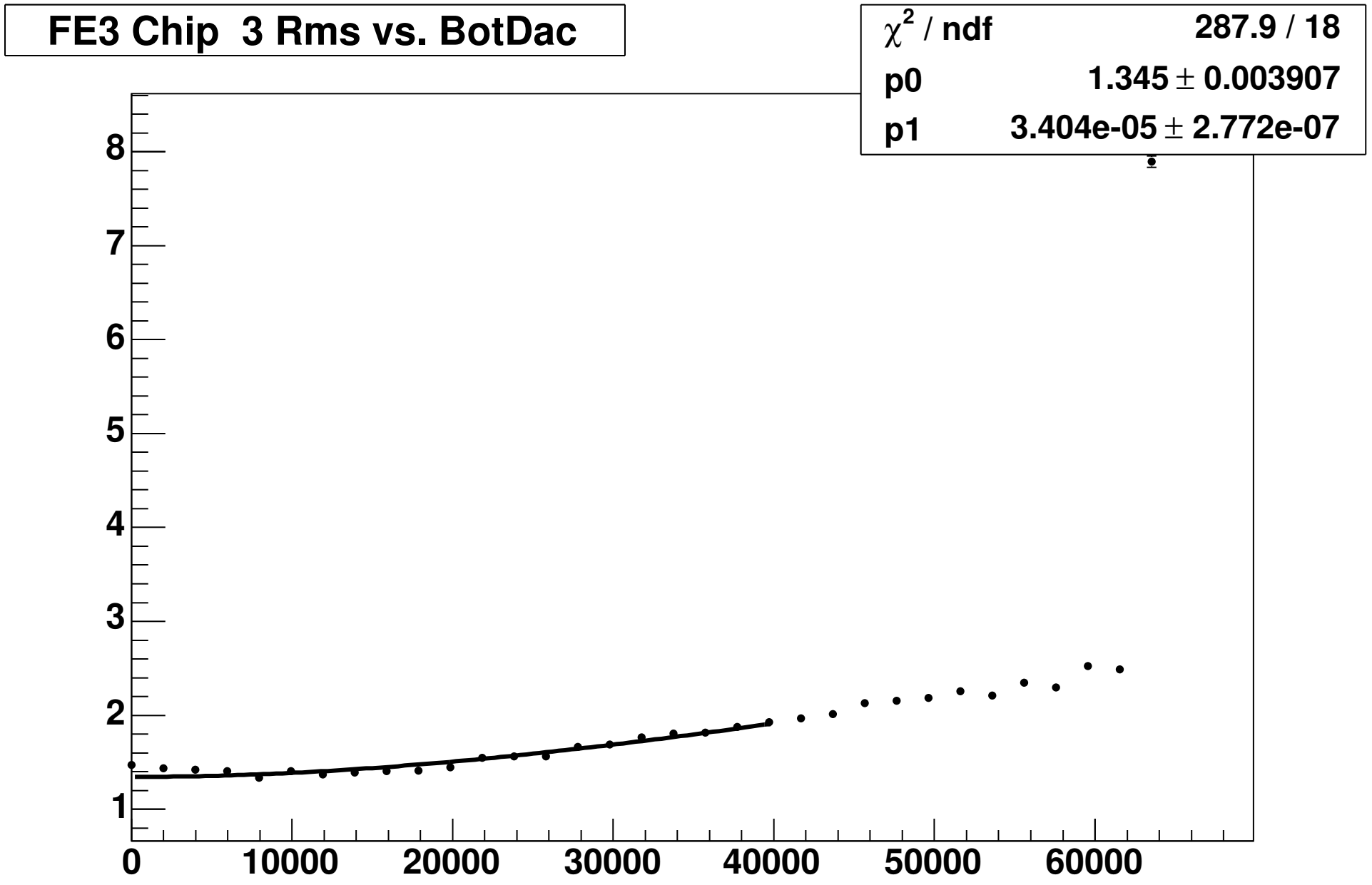
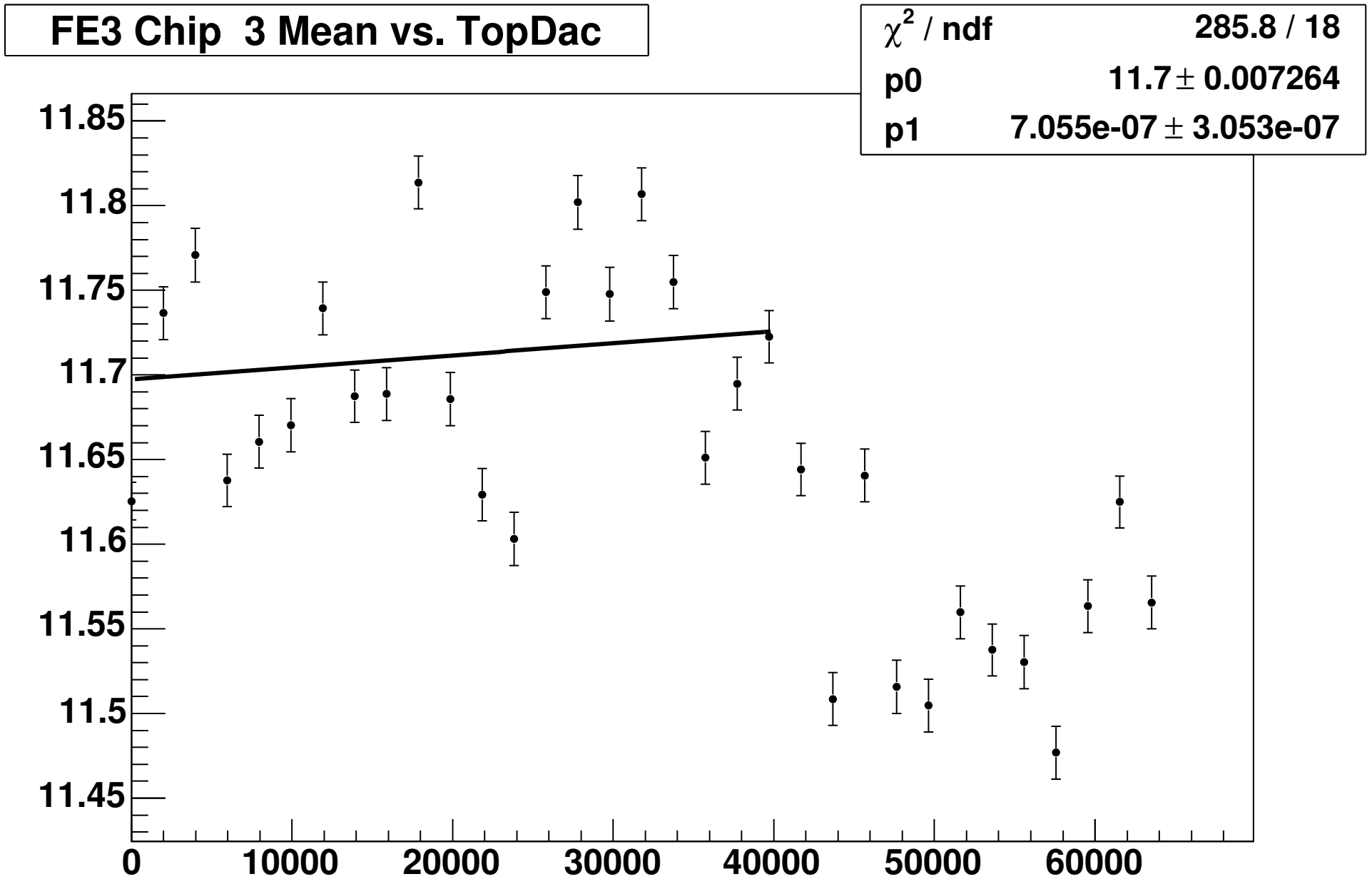
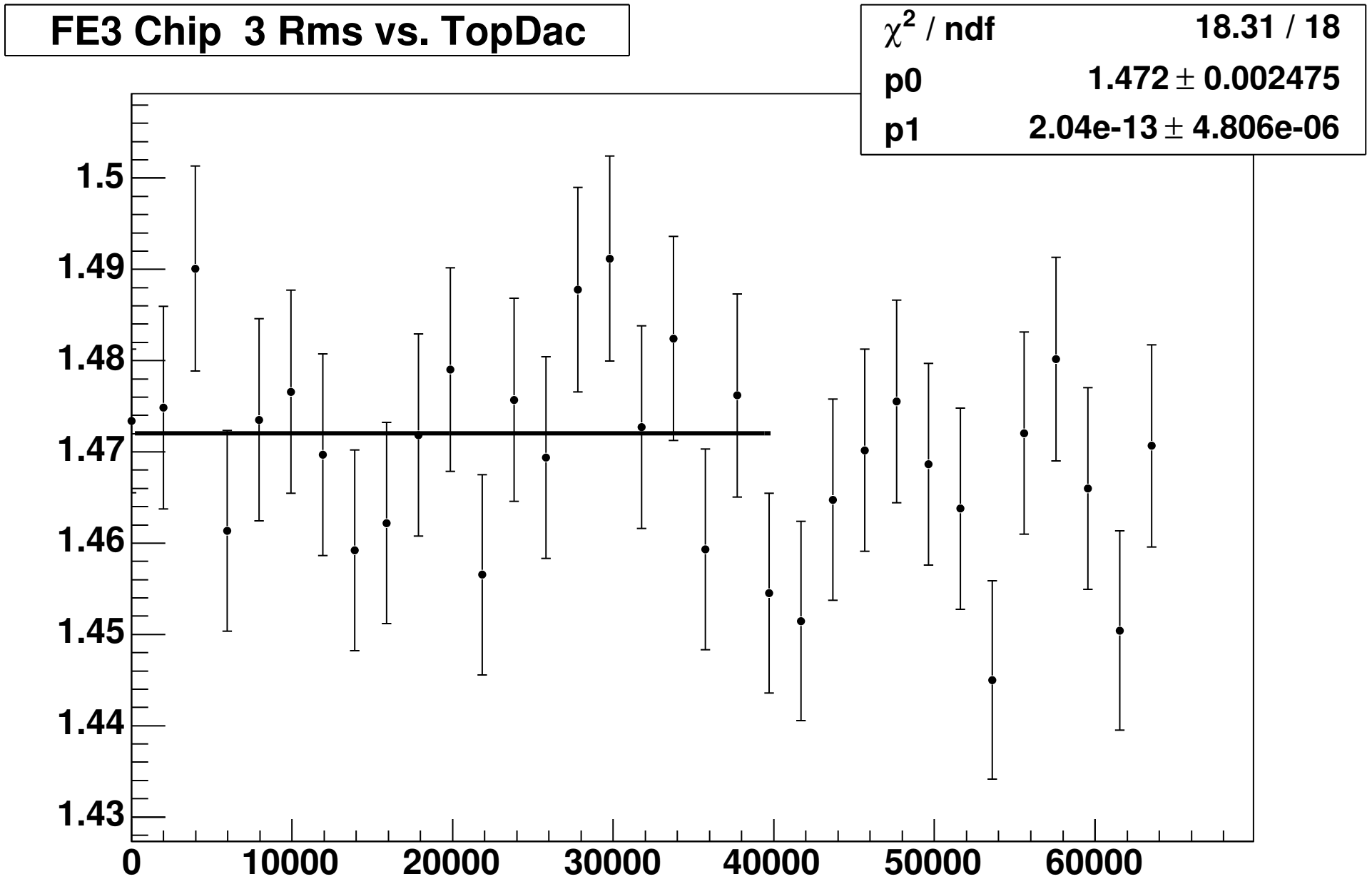
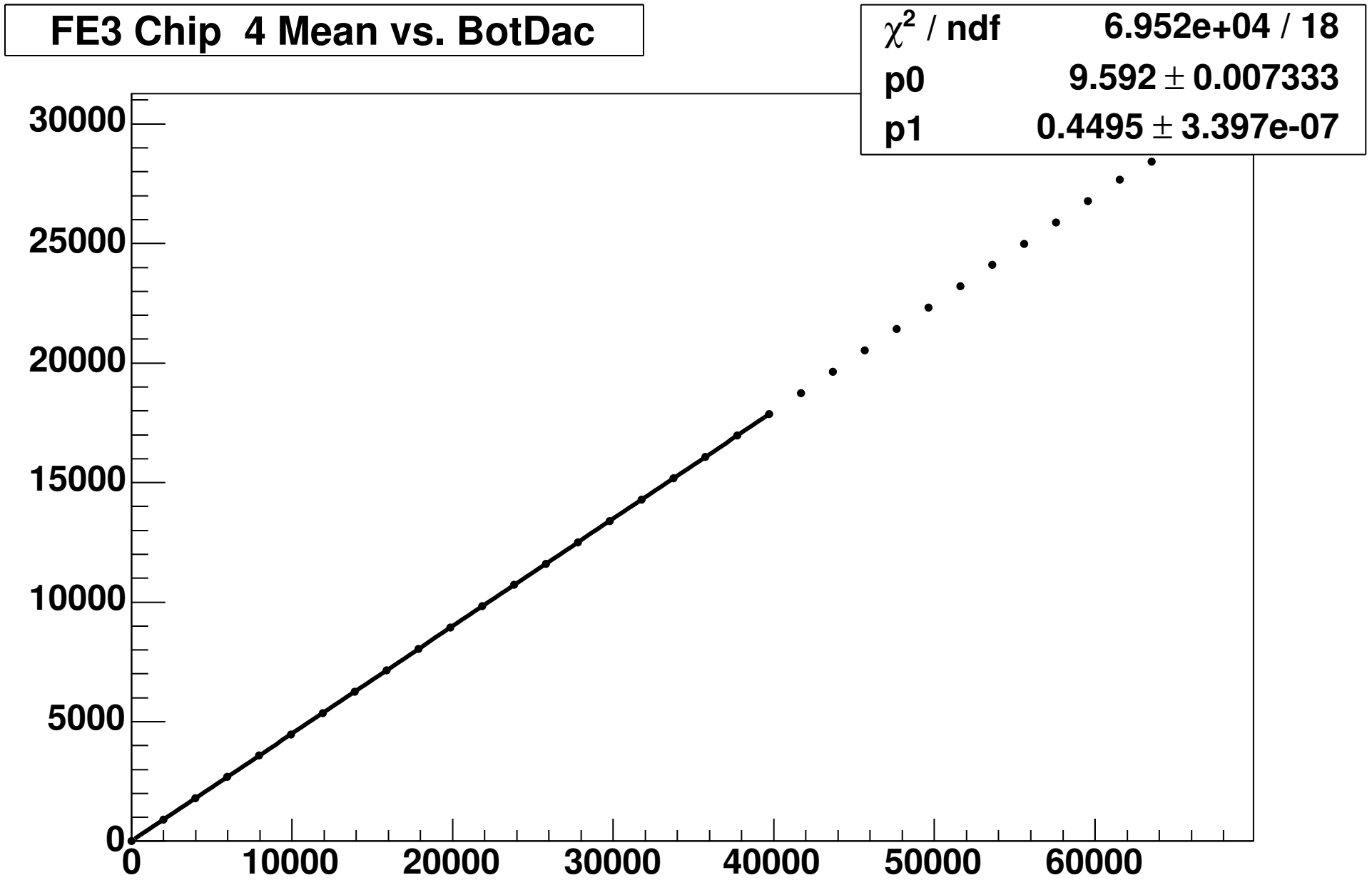
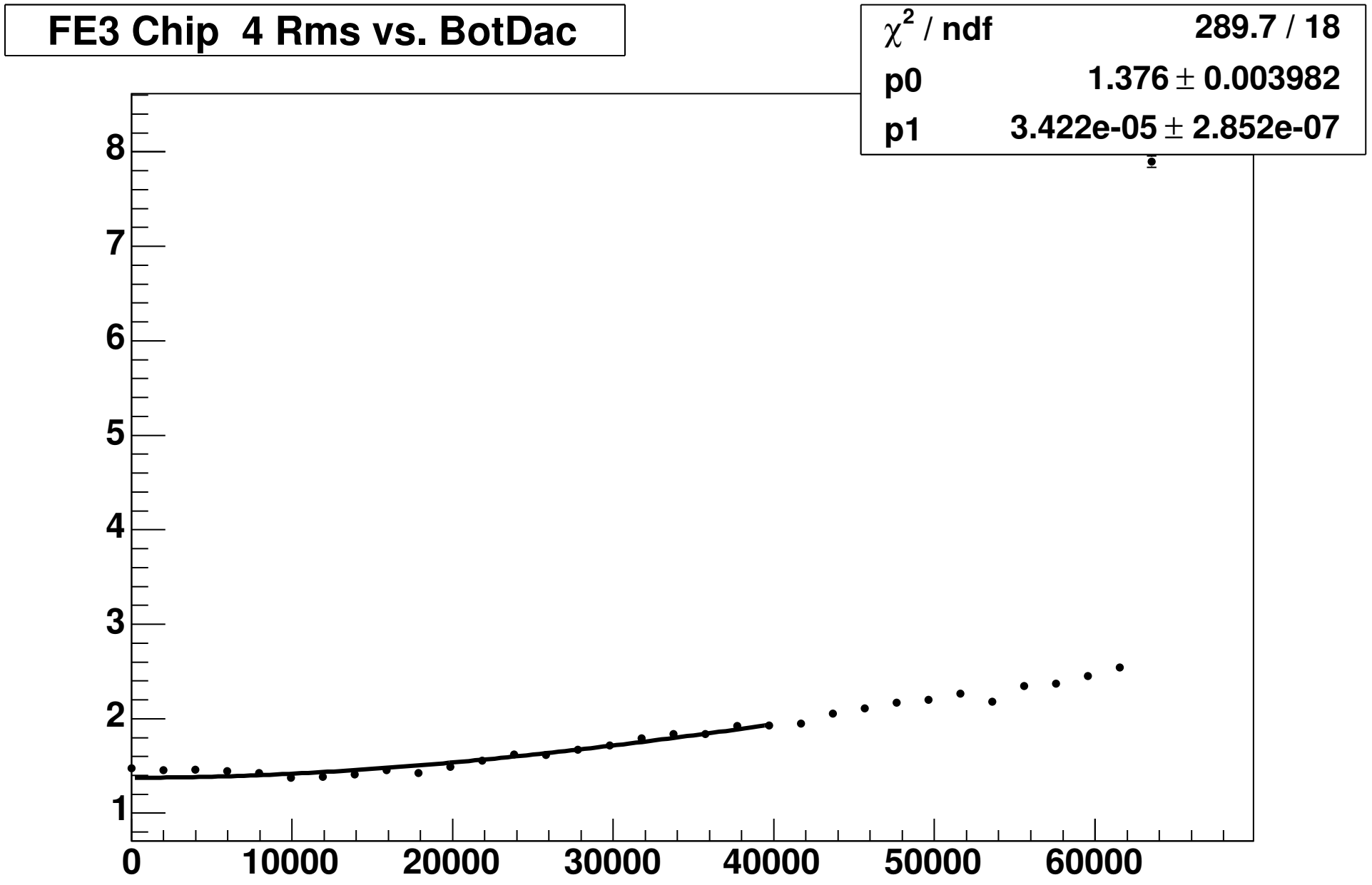
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

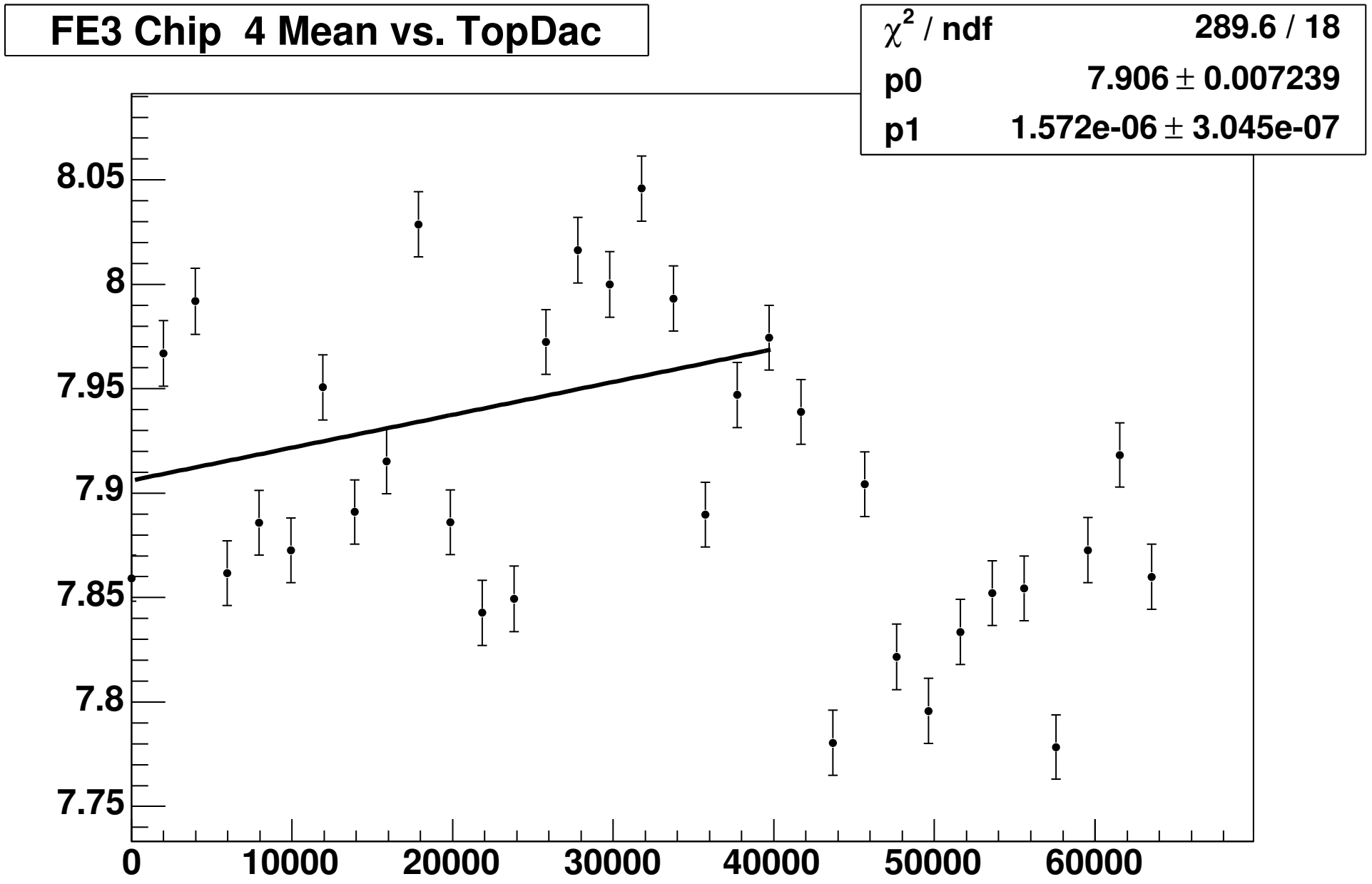

FE3 Chip 3 Rms vs. BotDac
χ² / ndf 287.9 / 18
p0 1.345 ± 0.003907
p1 3.404e-05 ± 2.772e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

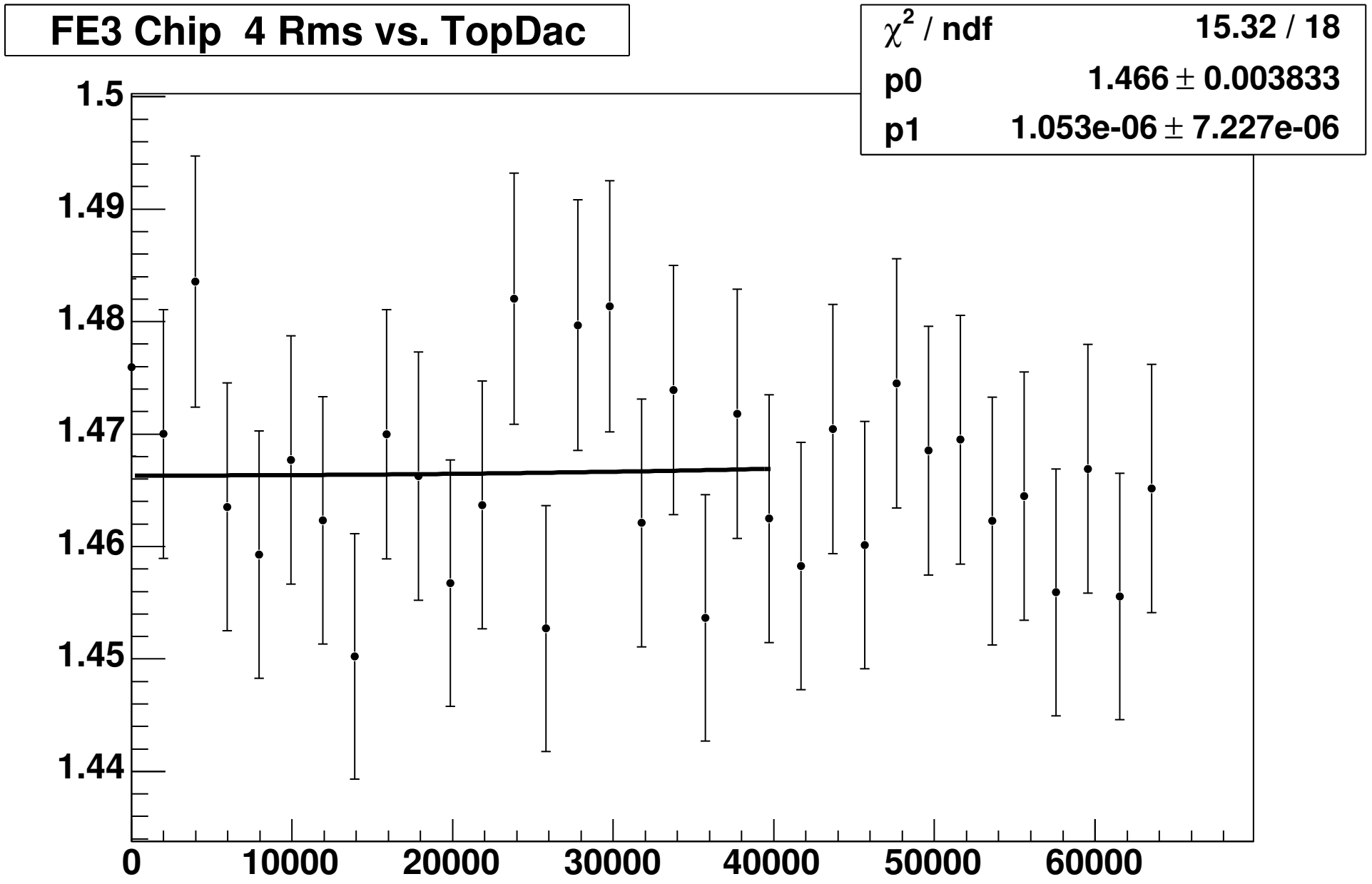

FE3 Chip 3 Mean vs. TopDac
χ² / ndf 285.8 / 18
p0 11.7 ± 0.007264
p1 7.055e-07 ± 3.053e-07
11.85
11.8
11.75
11.7
11.65
11.6
11.55
11.5
11.45
0
10000
20000
30000
40000
50000
60000


FE3 Chip 3 Rms vs. TopDac
χ² / ndf 18.31 / 18
p0 1.472 ± 0.002475
p1 2.04e-13 ± 4.806e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. BotDac
χ² / ndf 6.952e+04 / 18
p0 9.592 ± 0.007333
p1 0.4495 ± 3.397e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. BotDac
χ² / ndf 289.7 / 18
p0 1.376 ± 0.003982
p1 3.422e-05 ± 2.852e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Mean vs. TopDac
χ^2 / ndf 289.6 / 18
p0 7.906 ± 0.007239
p1 1.572e-06 ± 3.045e-07
8.05
8
7.95
7.9
7.85
7.8
7.75
0
10000
20000
30000
40000
50000
60000


FE3 Chip 4 Rms vs. TopDac
χ² / ndf 15.32 / 18
p0 1.466 ± 0.003833
p1 1.053e-06 ± 7.227e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
0
10000
20000
30000
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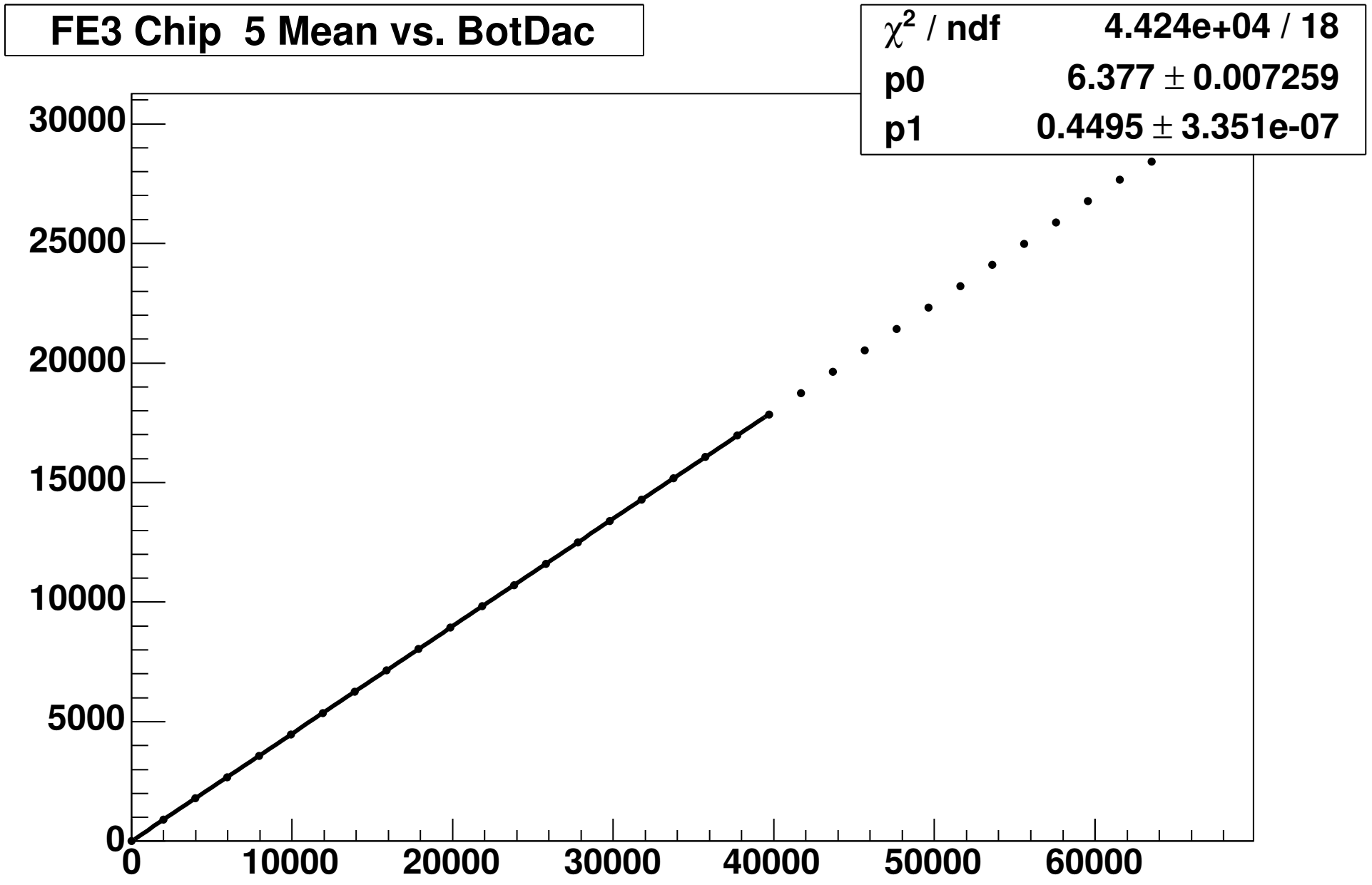
60000


FE3 Chip 5 Mean vs. BotDac
χ² / ndf 4.424e+04 / 18
p0 6.377 ± 0.007259
p1 0.4495 ± 3.351e-07
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25000
20000
15000
10000
5000
0
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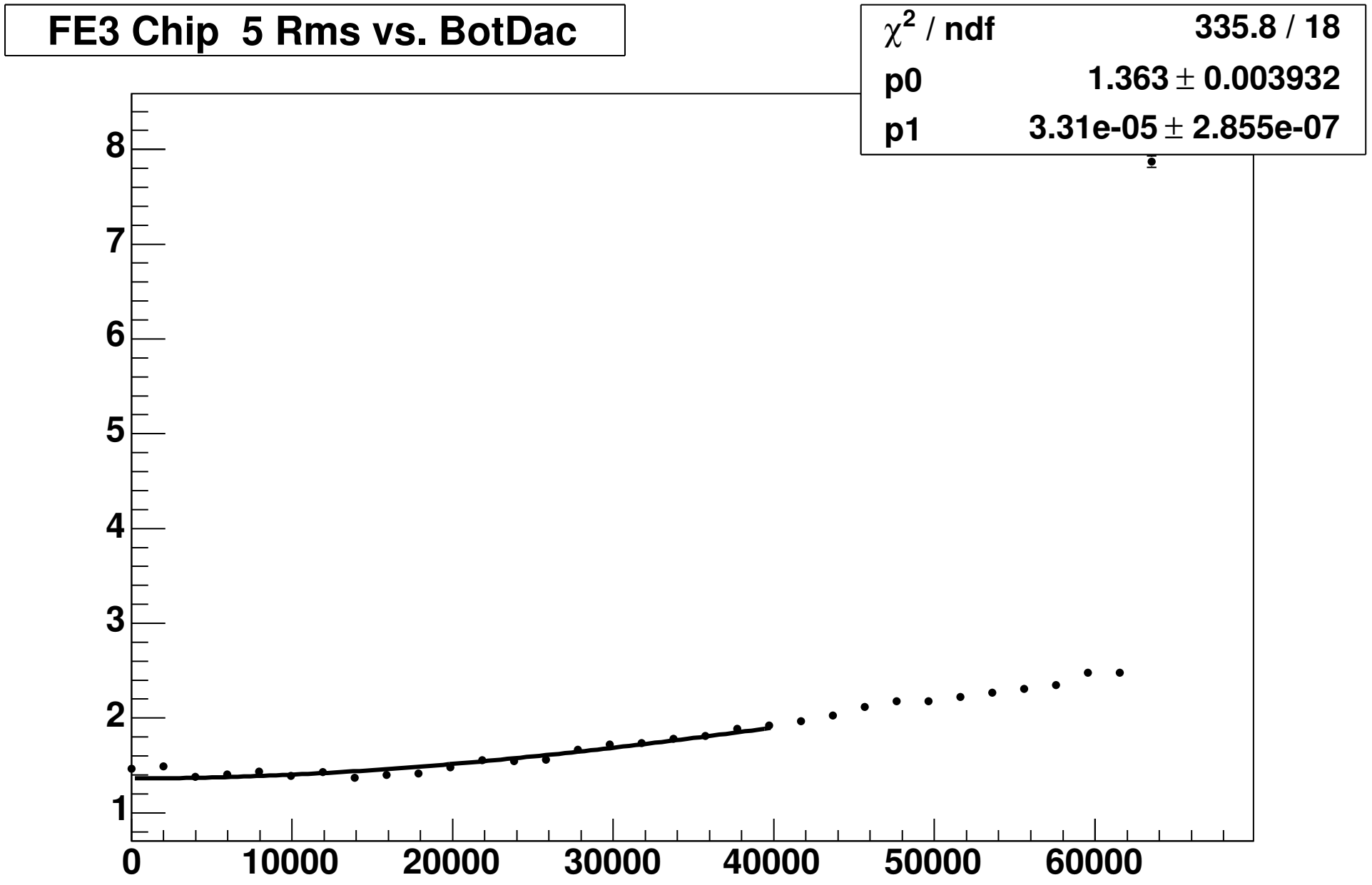
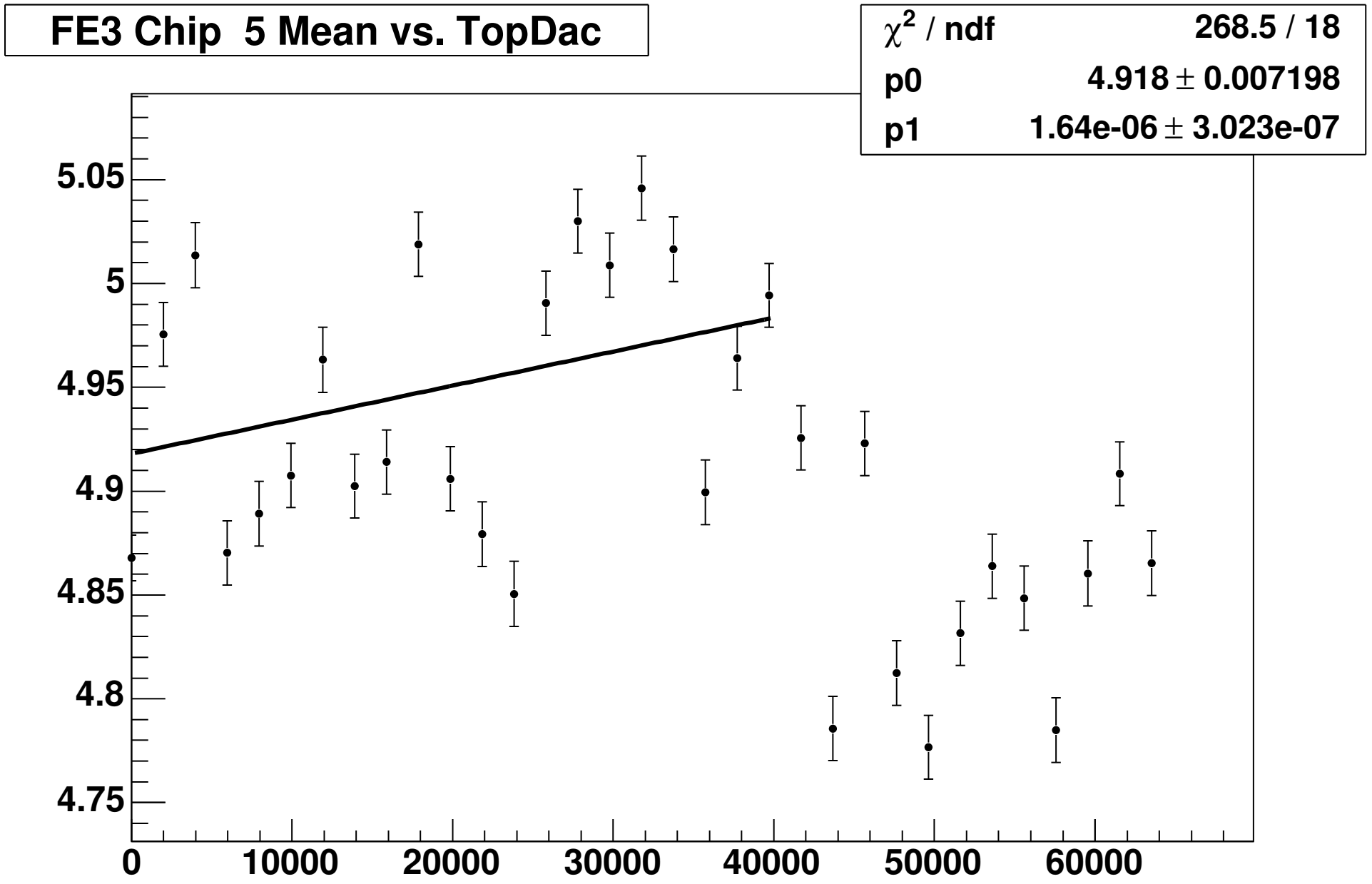
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Rms vs. BotDac
χ² / ndf 335.8 / 18
p0 1.363 ± 0.003932
p1 3.31e-05 ± 2.855e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE3 Chip 5 Mean vs. TopDac
χ² / ndf 268.5 / 18
p0 4.918 ± 0.007198
p1 1.64e-06 ± 3.023e-07
5.05
5
4.95
4.9
4.85
4.8
4.75
0
10000
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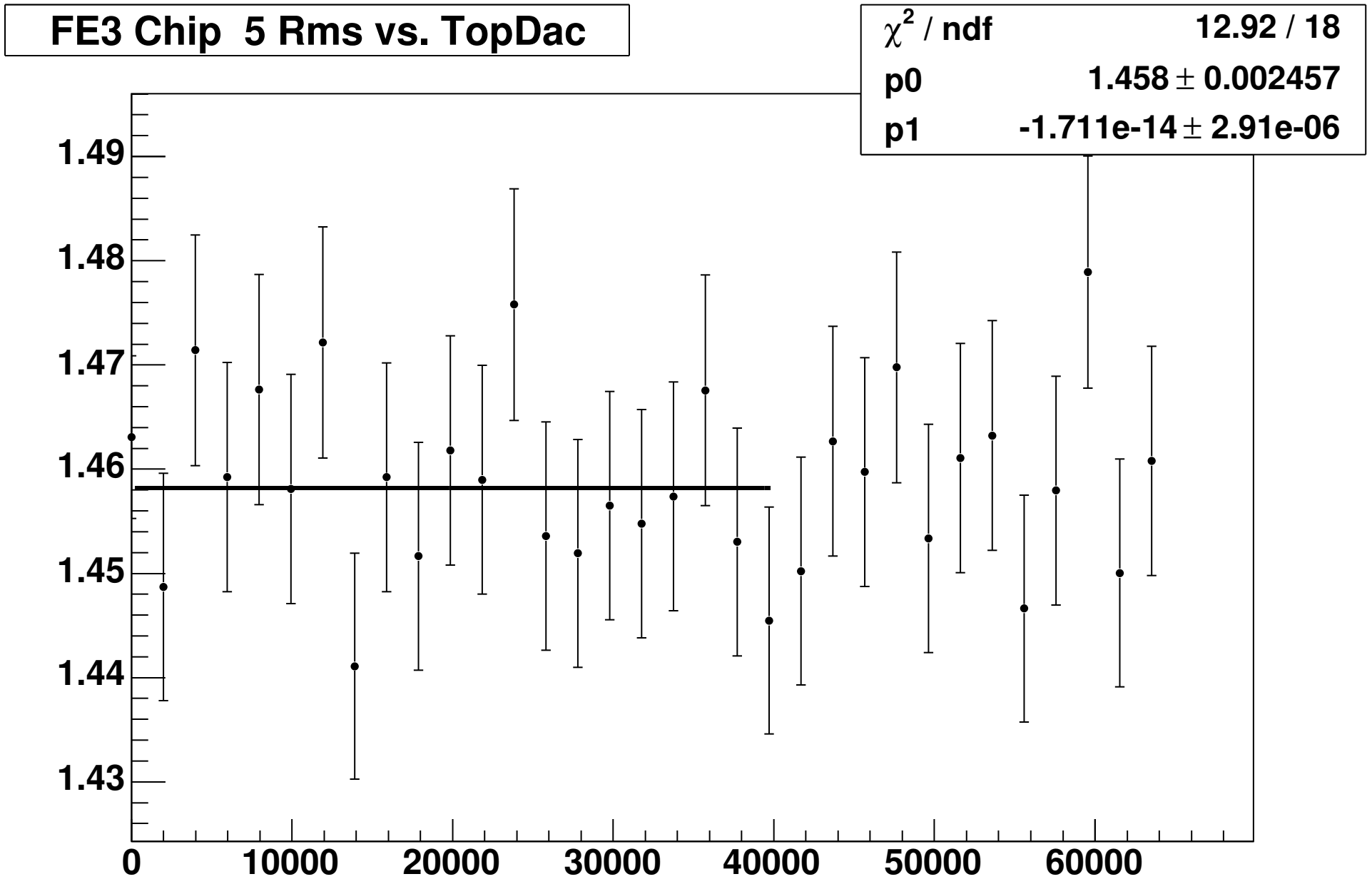
FE3 Chip 5 Rms vs. TopDac
χ² / ndf 12.92 / 18
p0 1.458 ± 0.002457
p1 -1.711e-14 ± 2.91e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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30000
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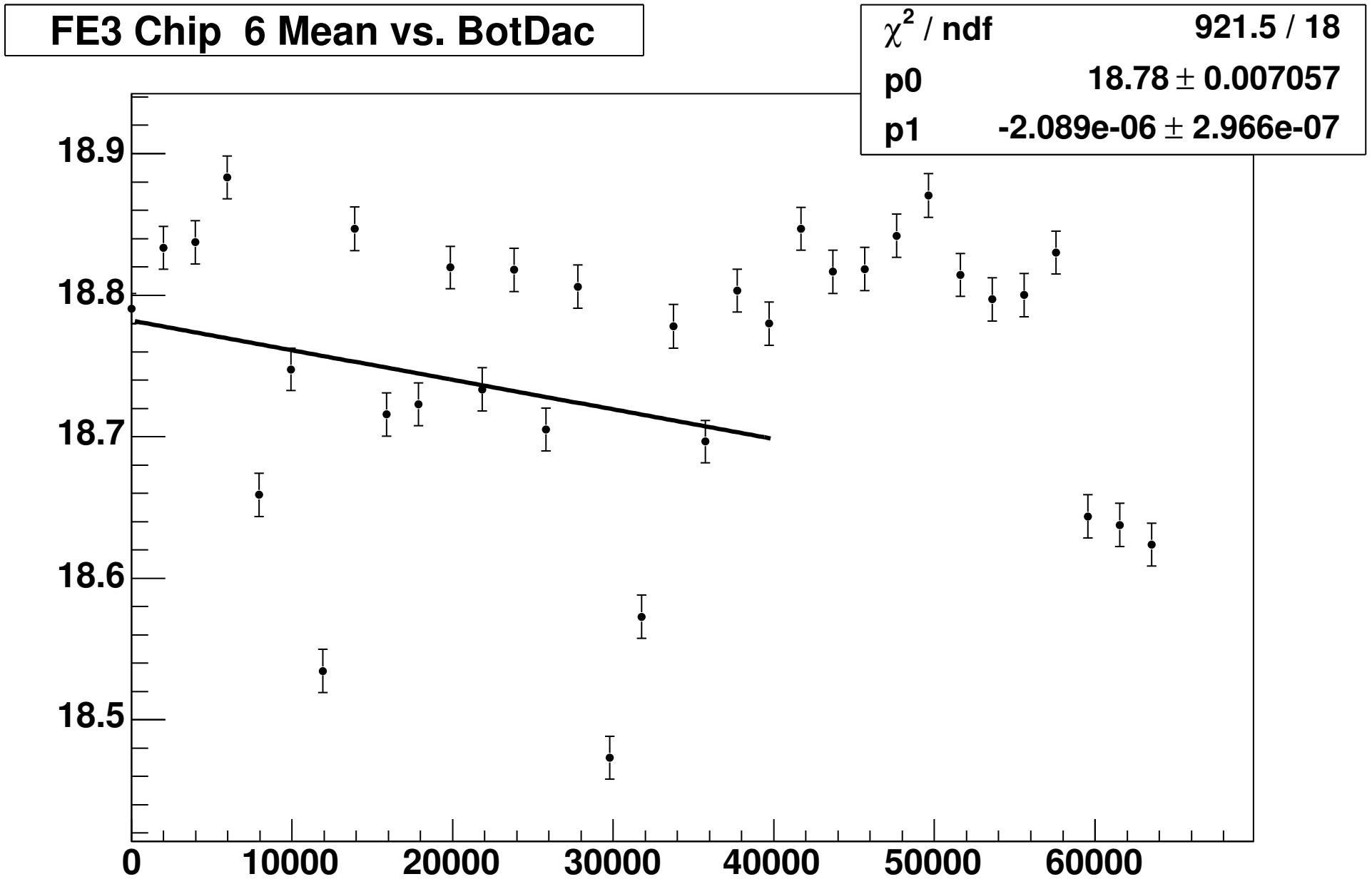
FE3 Chip 6 Mean vs. BotDac
χ² / ndf 921.5 / 18
p0 18.78 ± 0.007057
p1 -2.089e-06 ± 2.966e-07
18.9
18.8
18.7
18.6
18.5
0
10000
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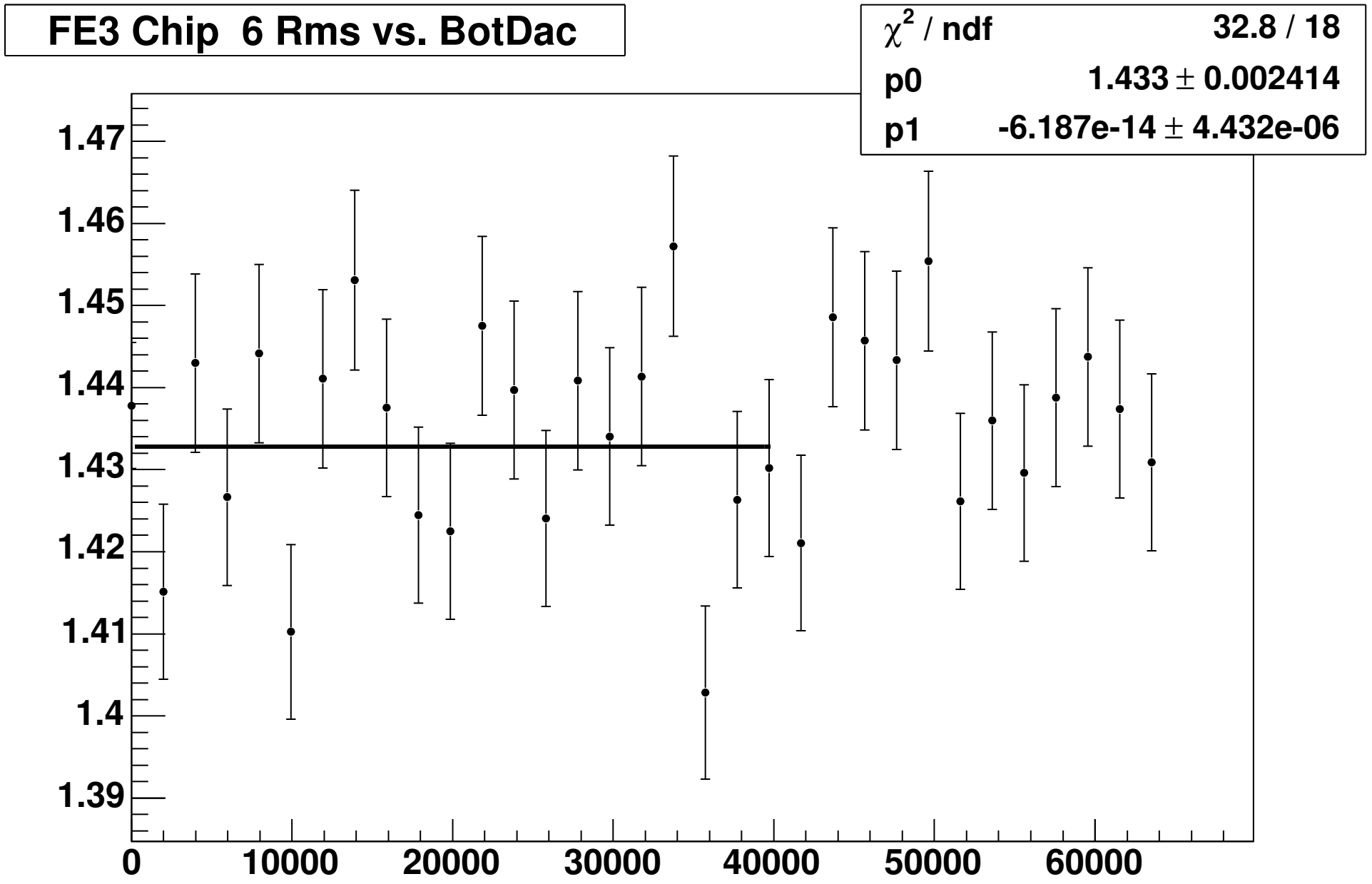
FE3 Chip 6 Rms vs. BotDac
χ² / ndf 32.8 / 18
p0 1.433 ± 0.002414
p1 -6.187e-14 ± 4.432e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
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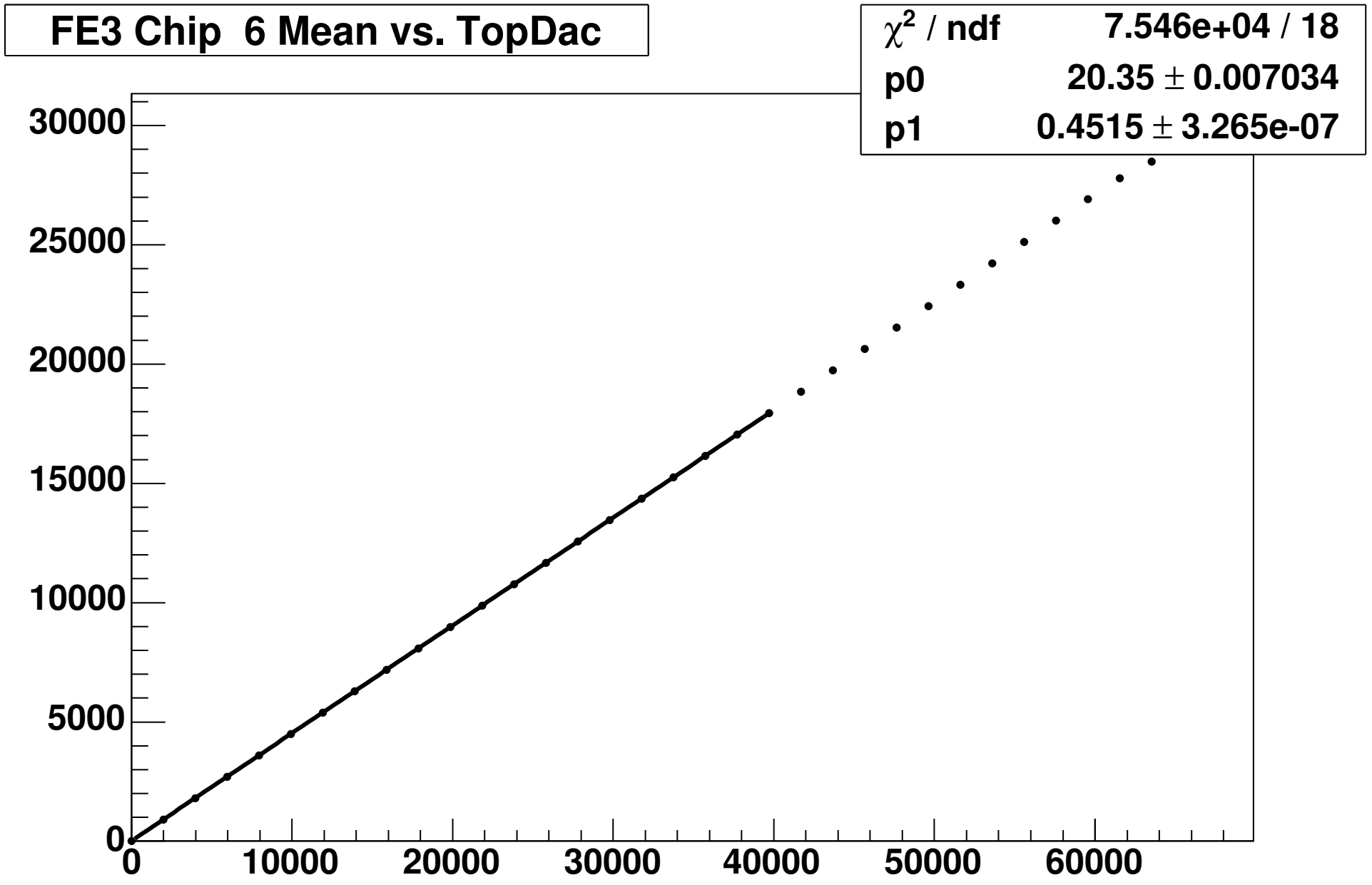
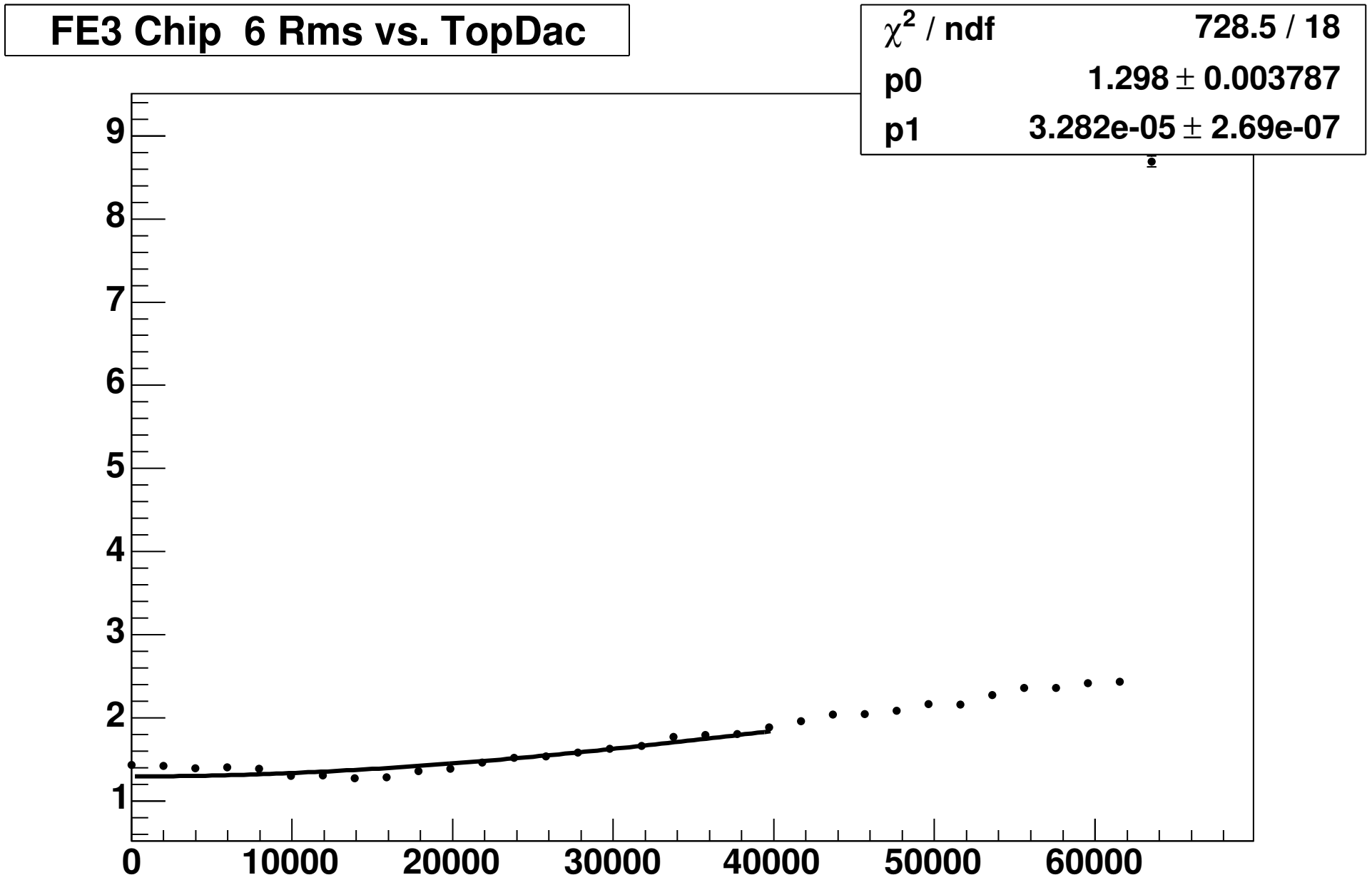

FE3 Chip 6 Mean vs. TopDac
χ² / ndf 7.546e+04 / 18
p0 20.35 ± 0.007034
p1 0.4515 ± 3.265e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE3 Chip 6 Rms vs. TopDac
χ² / ndf 728.5 / 18
p0 1.298 ± 0.003787
p1 3.282e-05 ± 2.69e-07
9
8
7
6
5
4
3
2
1
0
10000
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30000
40000
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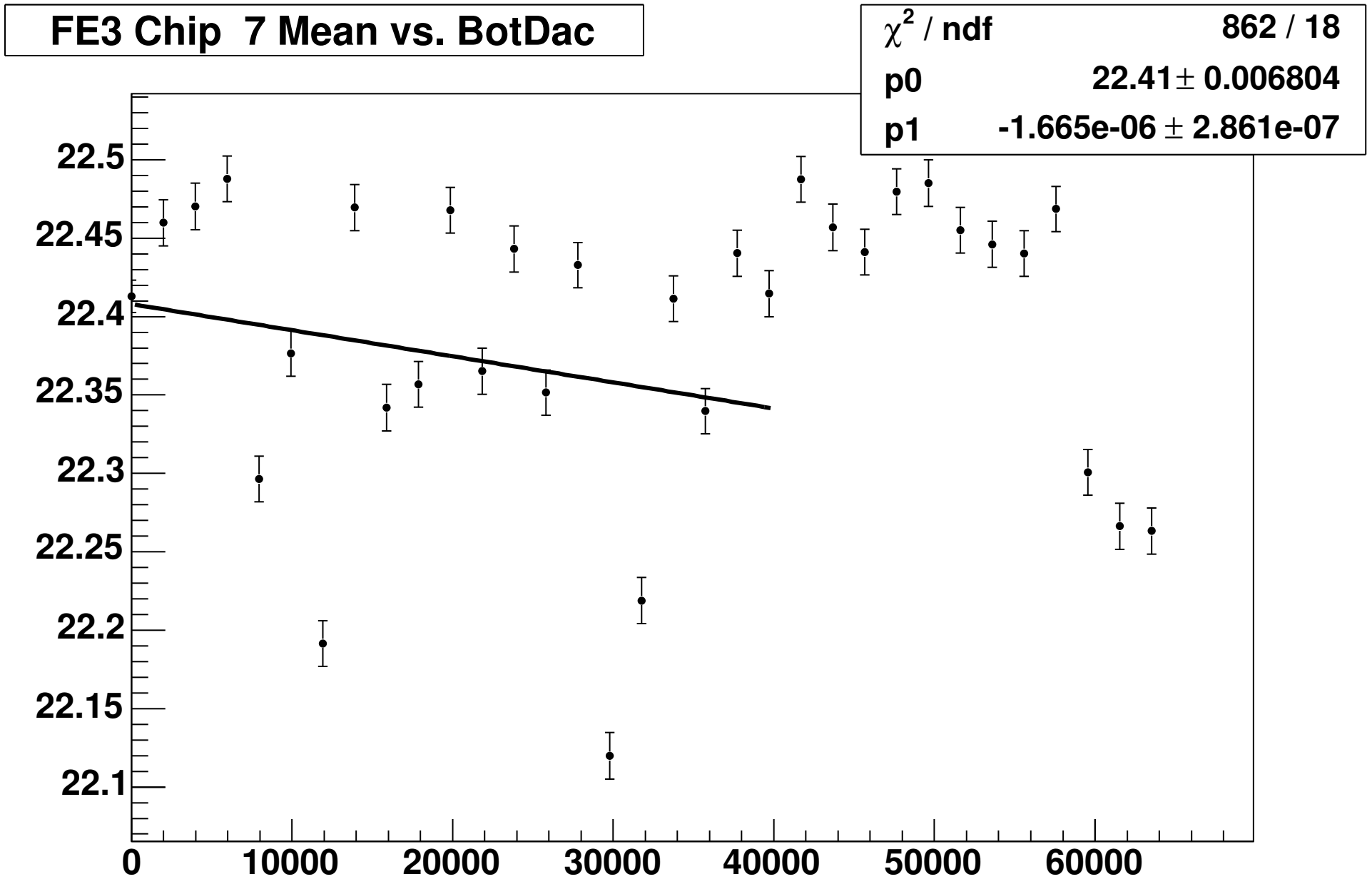
60000


FE3 Chip 7 Mean vs. BotDac
χ² / ndf 862 / 18
p0 22.41 ± 0.006804
p1 -1.665e-06 ± 2.861e-07
22.5
22.45
22.4
22.35
22.3
22.25
22.2
22.15
22.1
0
10000
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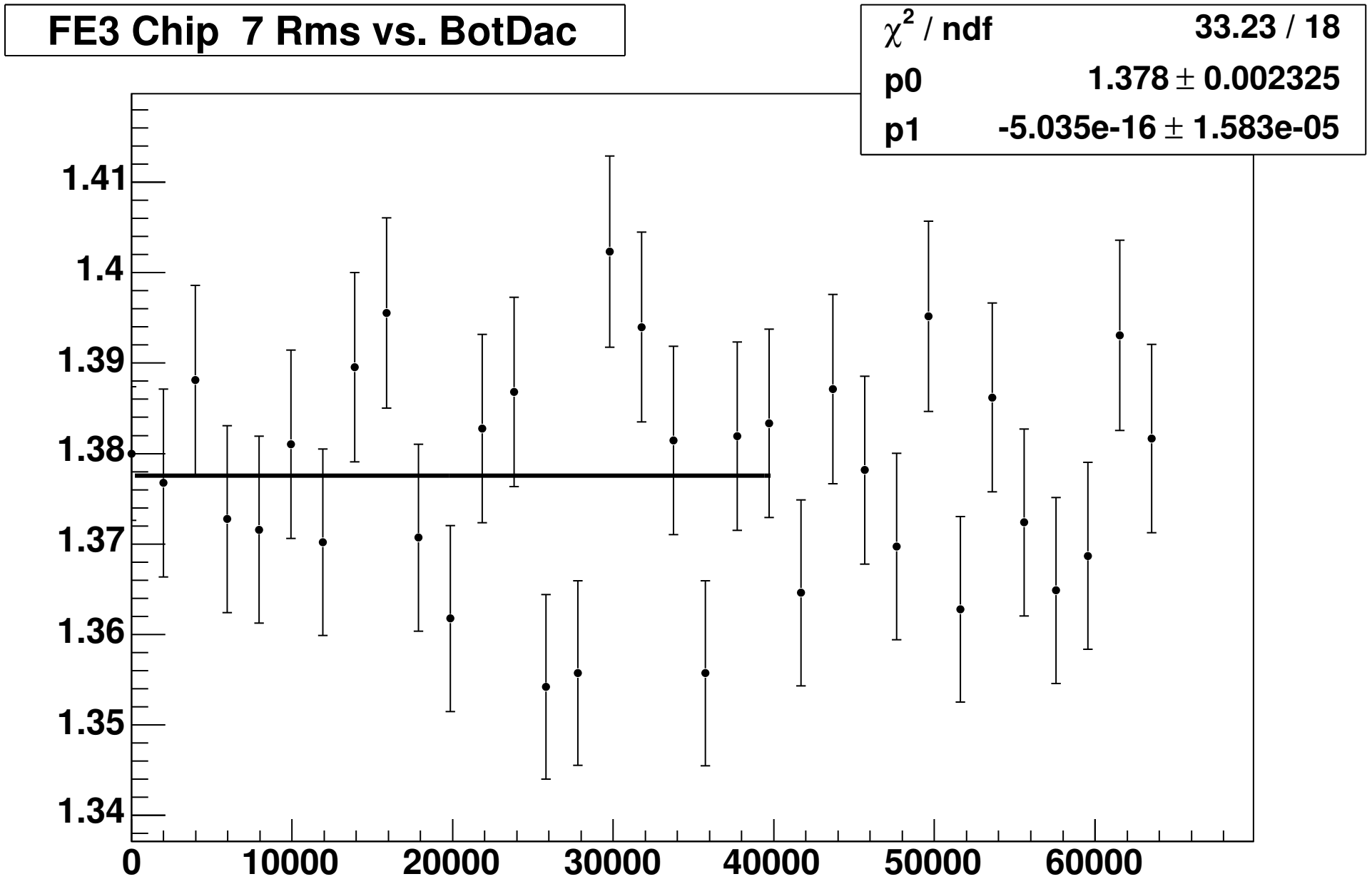
30000
40000
50000
60000


FE3 Chip 7 Rms vs. BotDac
χ² / ndf 33.23 / 18
p0 1.378 ± 0.002325
p1 -5.035e-16 ± 1.583e-05
1.41
1.4
1.39
1.38
1.37
1.36
1.35
1.34
0
10000
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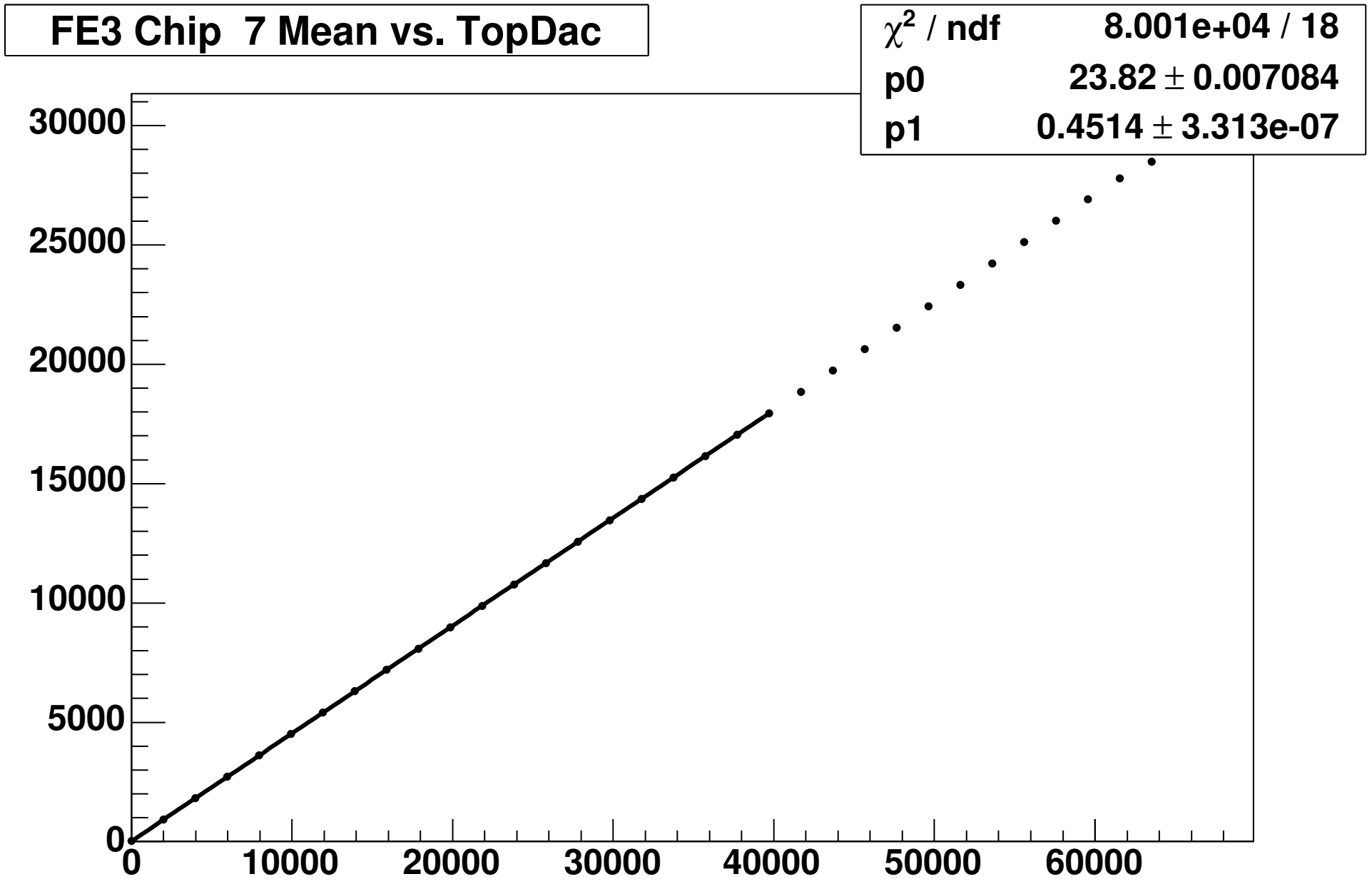
40000
50000
60000


FE3 Chip 7 Mean vs. TopDac
χ² / ndf 8.001e+04 / 18
p0 23.82 ± 0.007084
p1 0.4514 ± 3.313e-07
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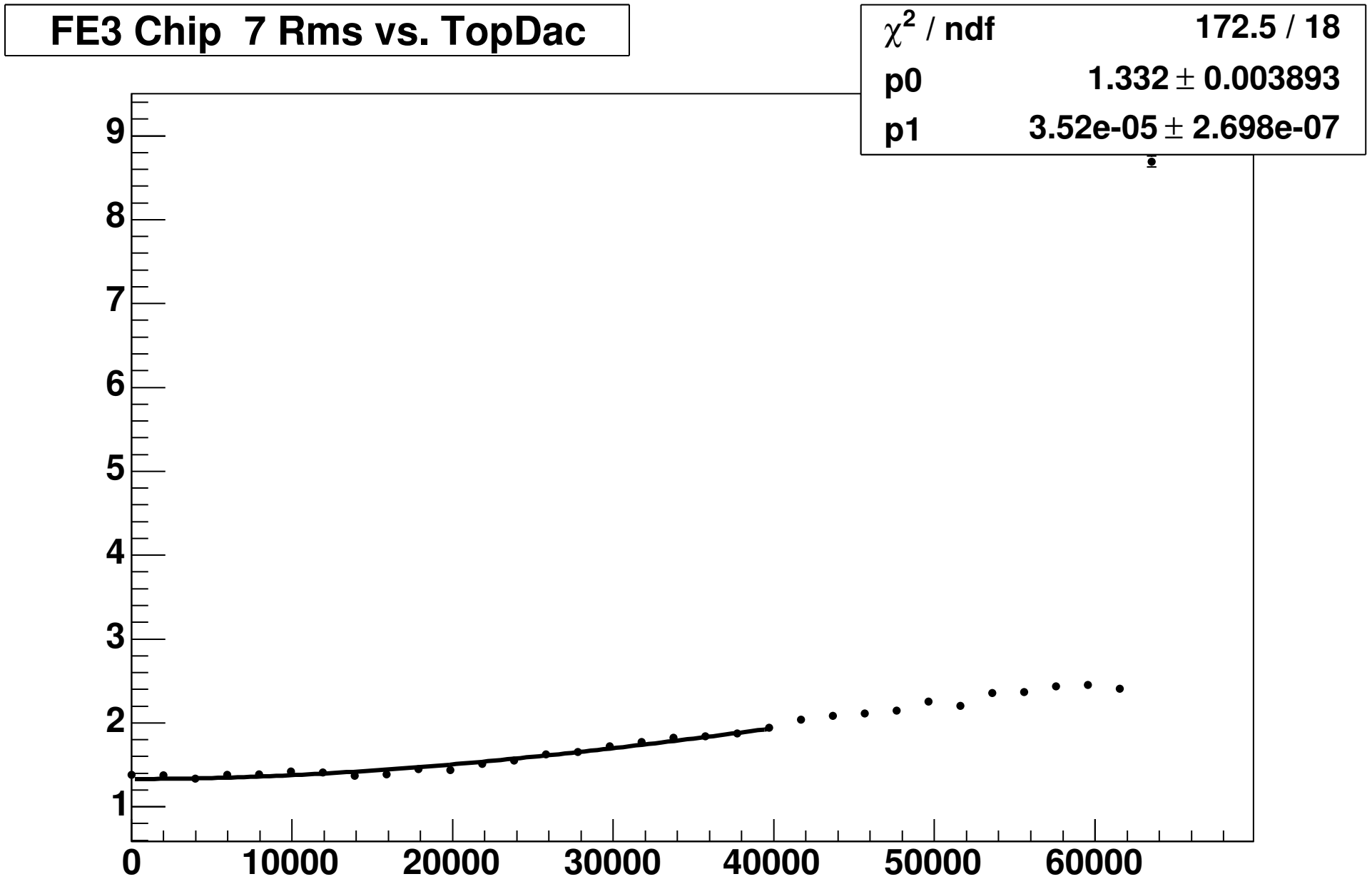
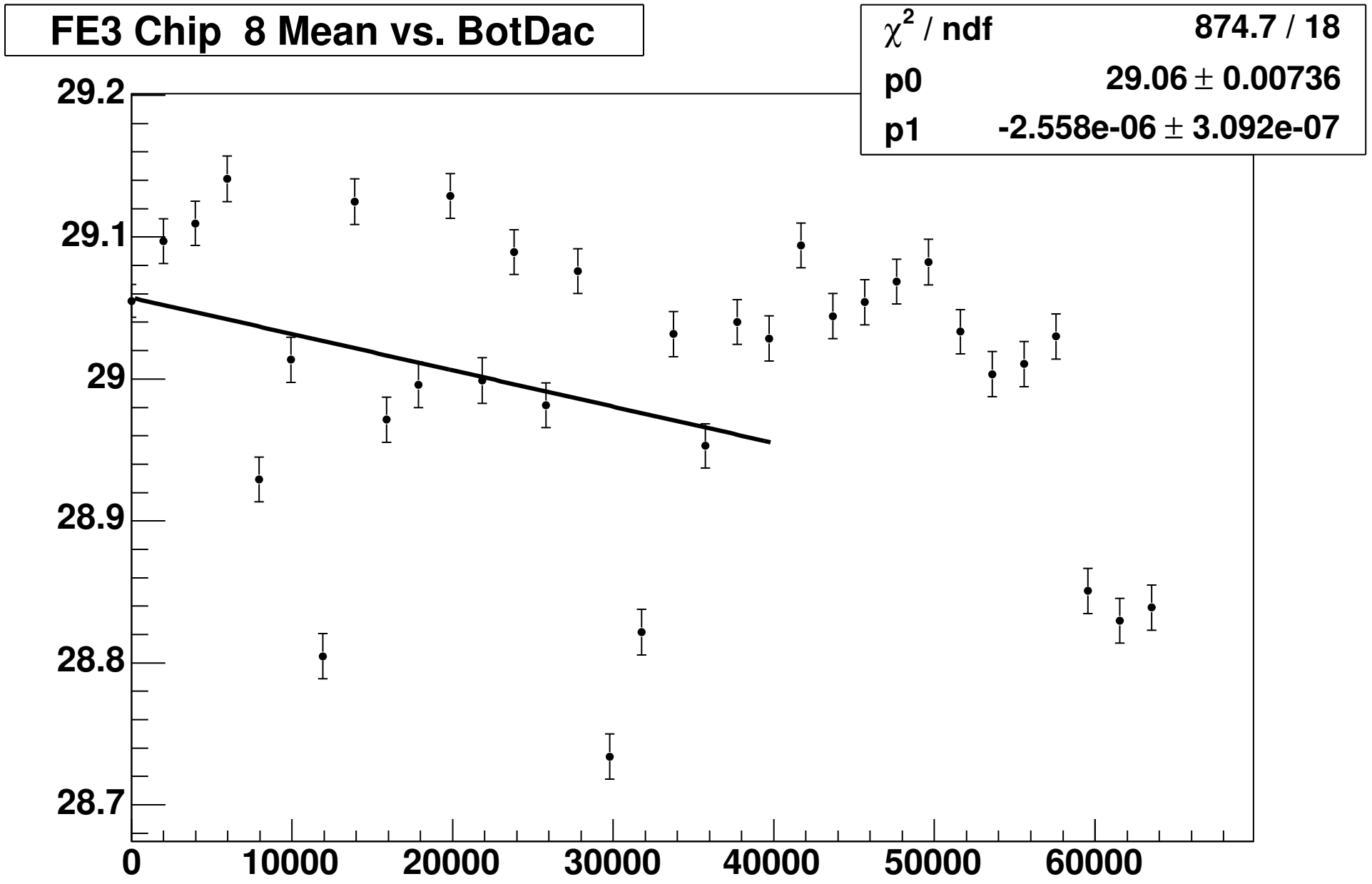
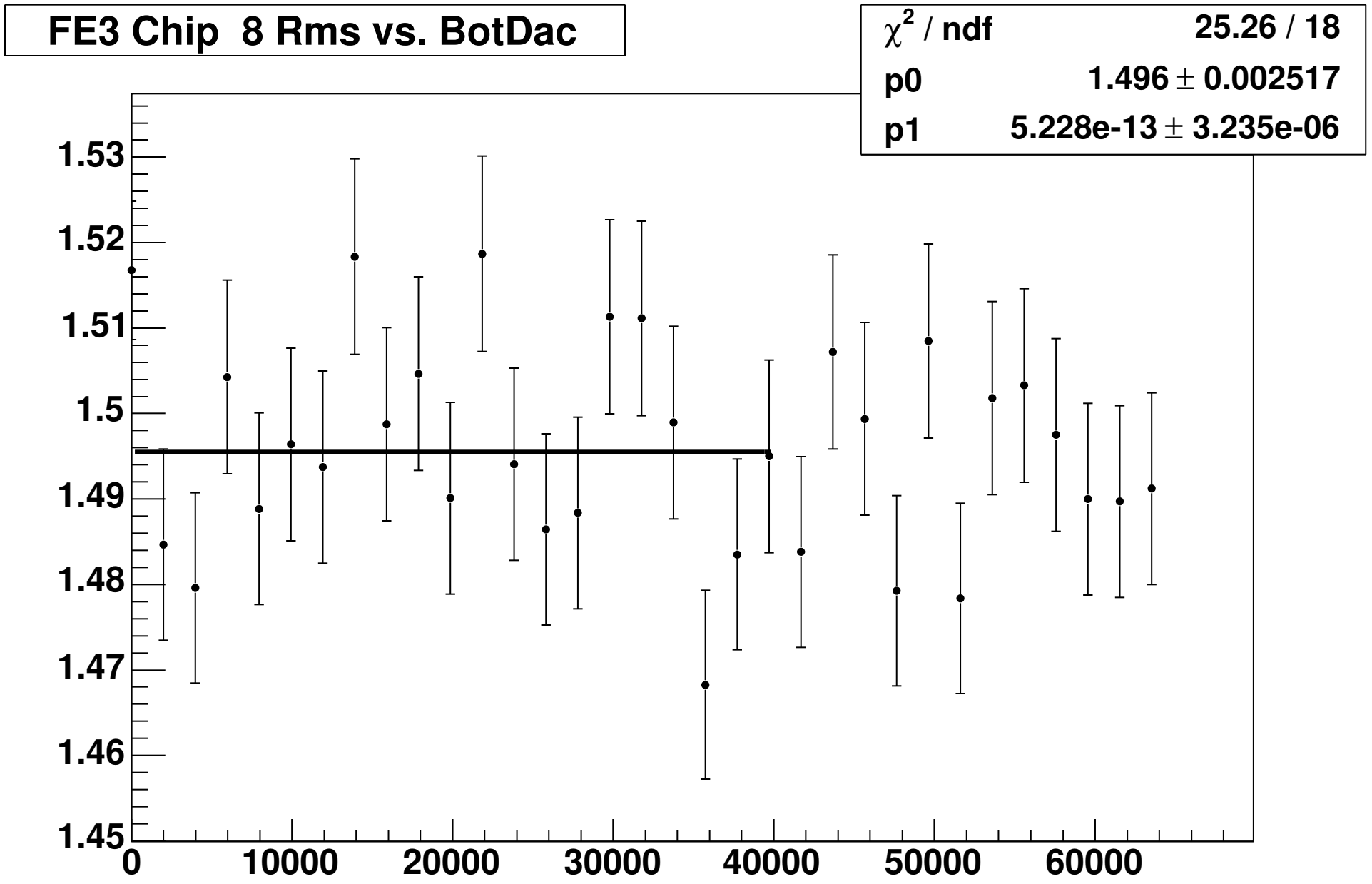
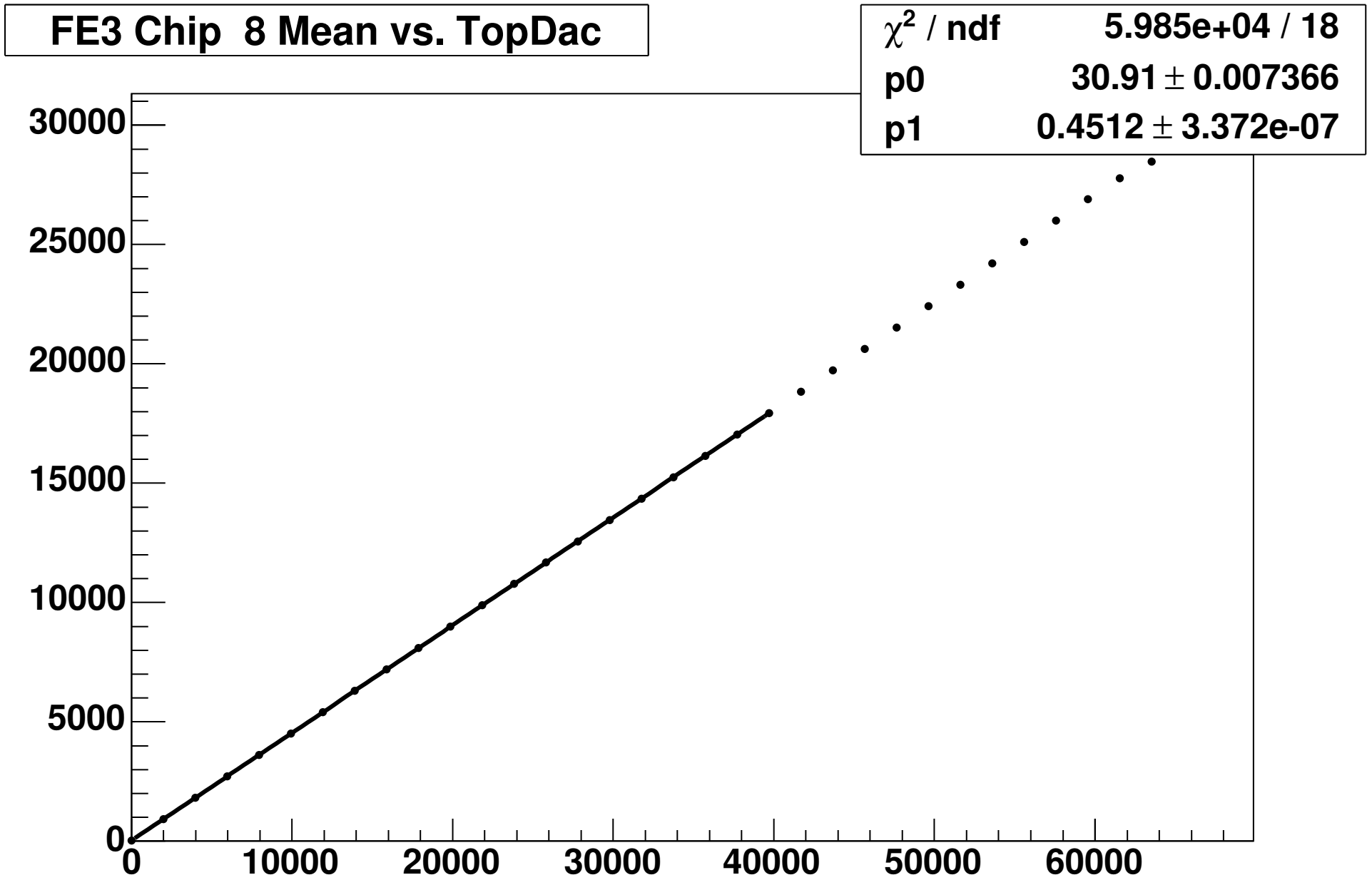
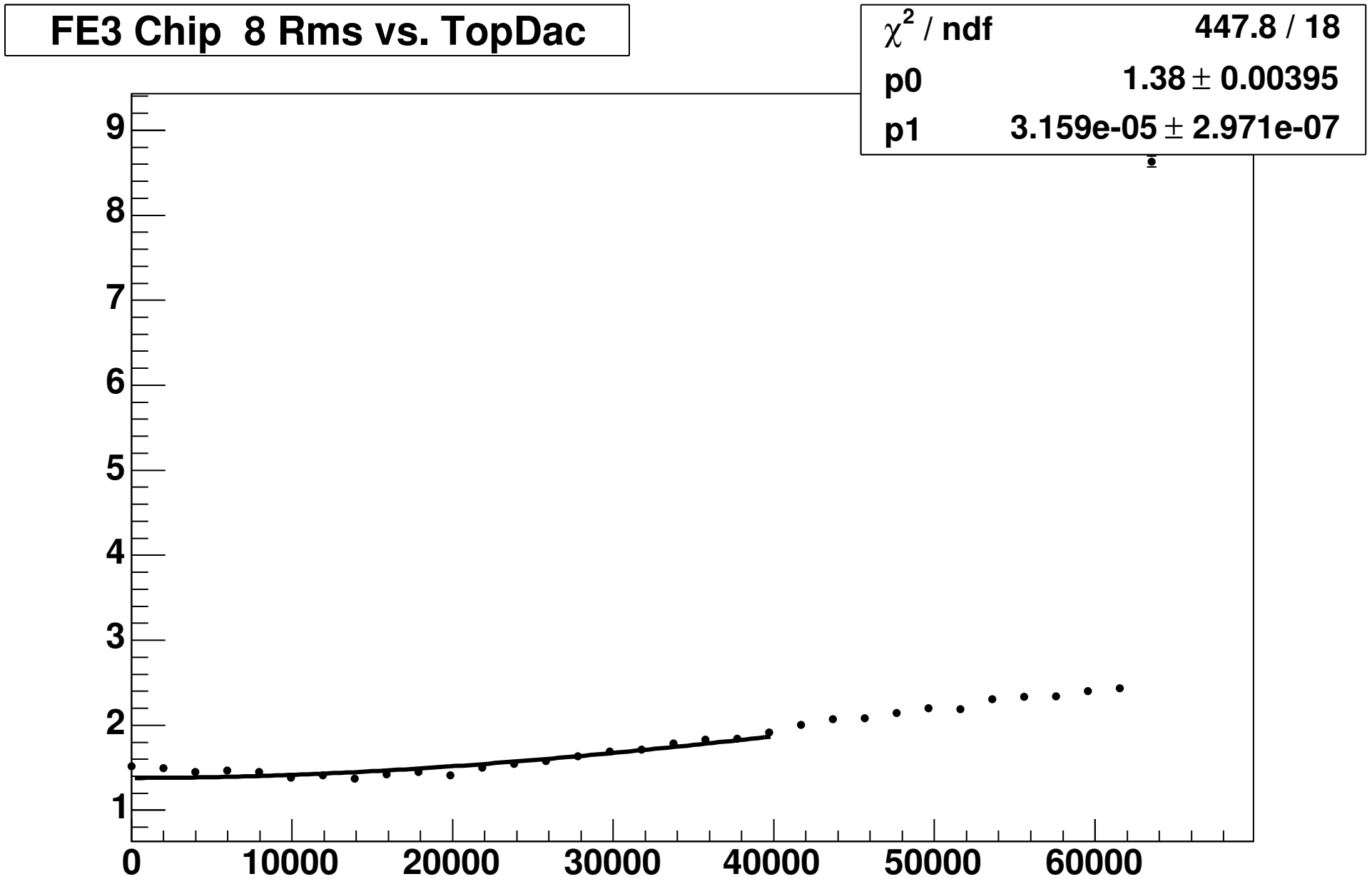
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

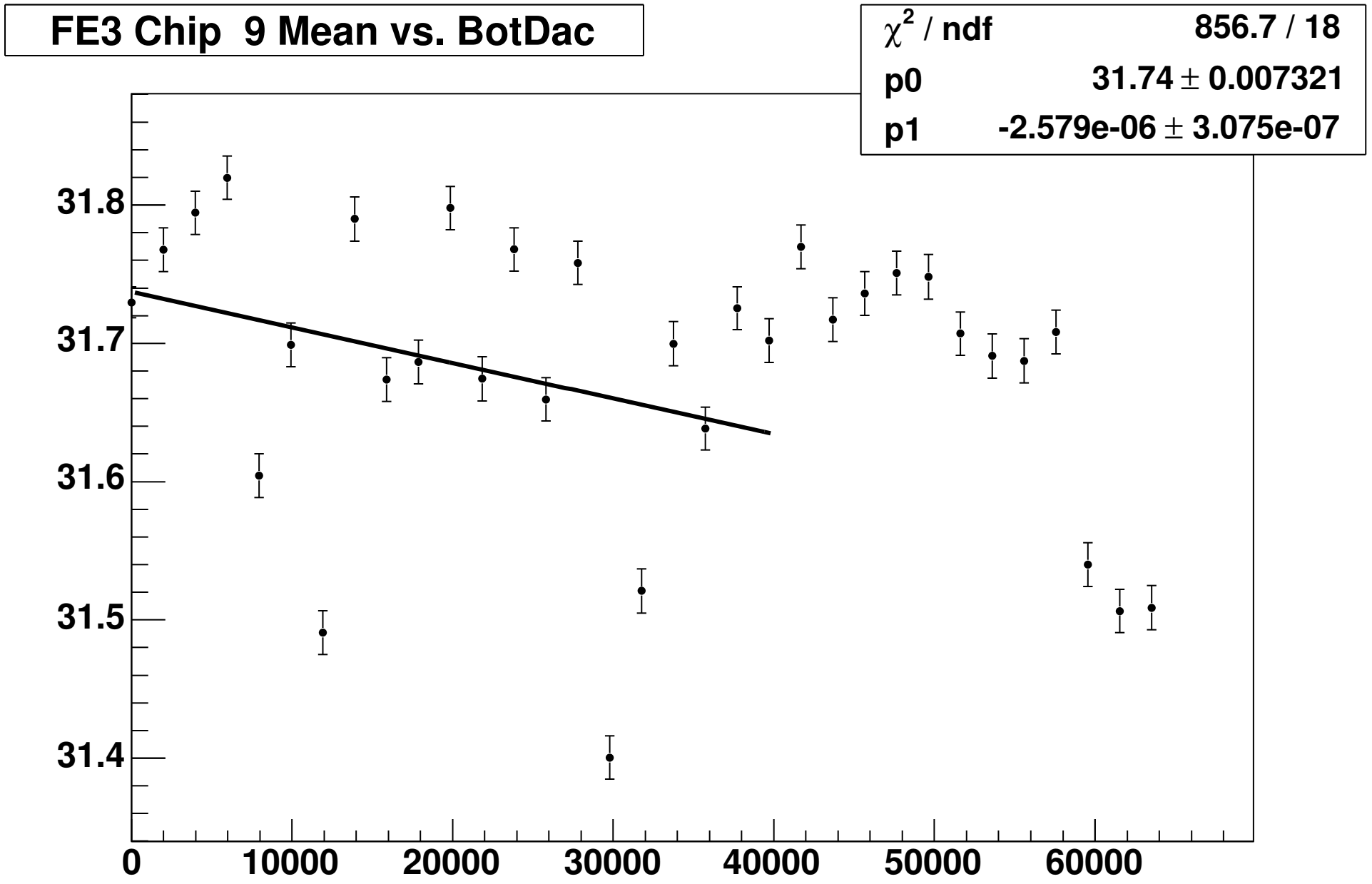

FE3 Chip 7 Rms vs. TopDac
χ² / ndf 172.5 / 18
p0 1.332 ± 0.003893
p1 3.52e-05 ± 2.698e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

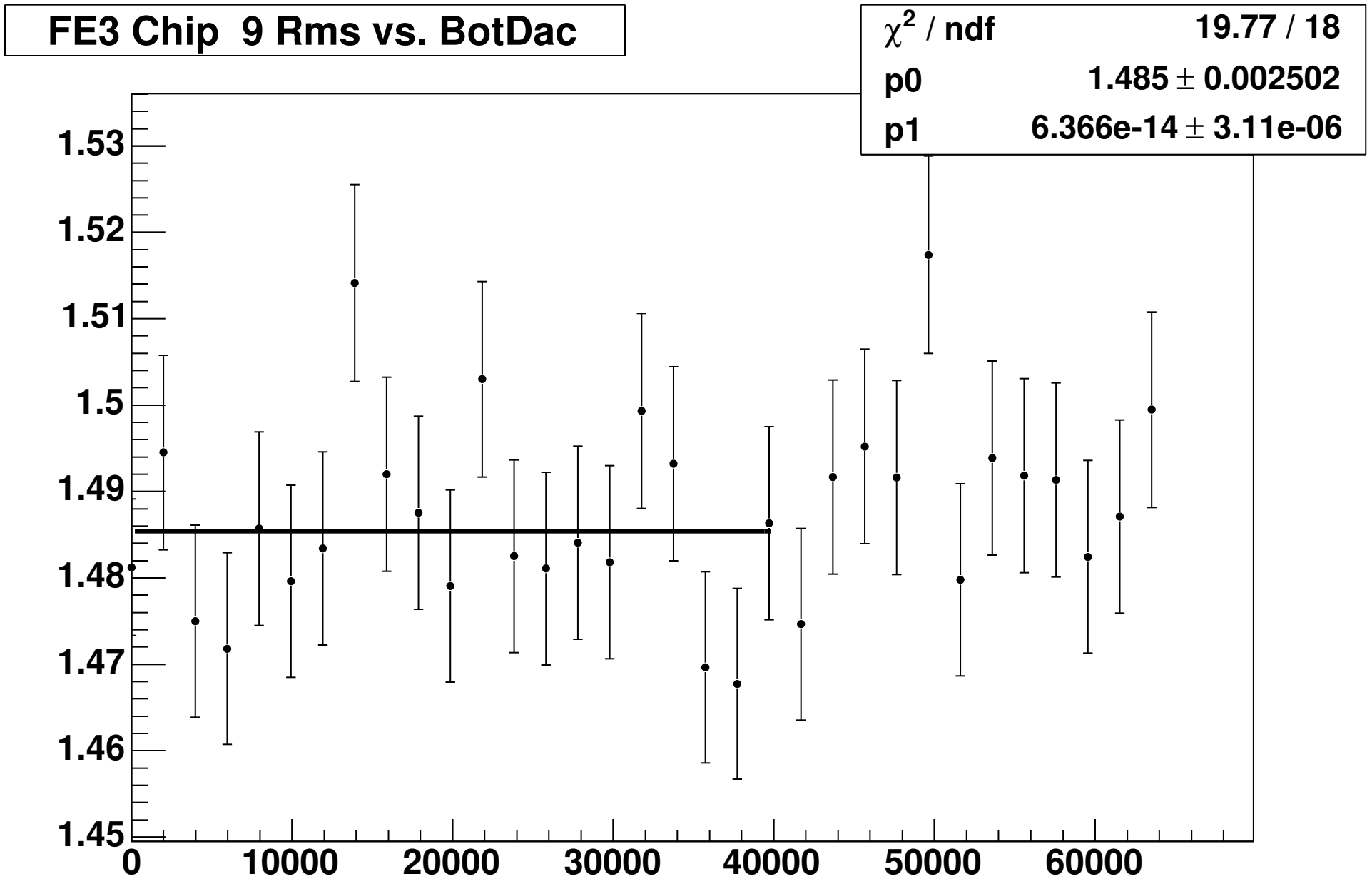

FE3 Chip 8 Mean vs. BotDac
χ² / ndf 874.7 / 18
p0 29.06 ± 0.00736
p1 -2.558e-06 ± 3.092e-07
29.2
29.1
29
28.9
28.8
28.7
0
10000
20000
30000
40000
50000
60000

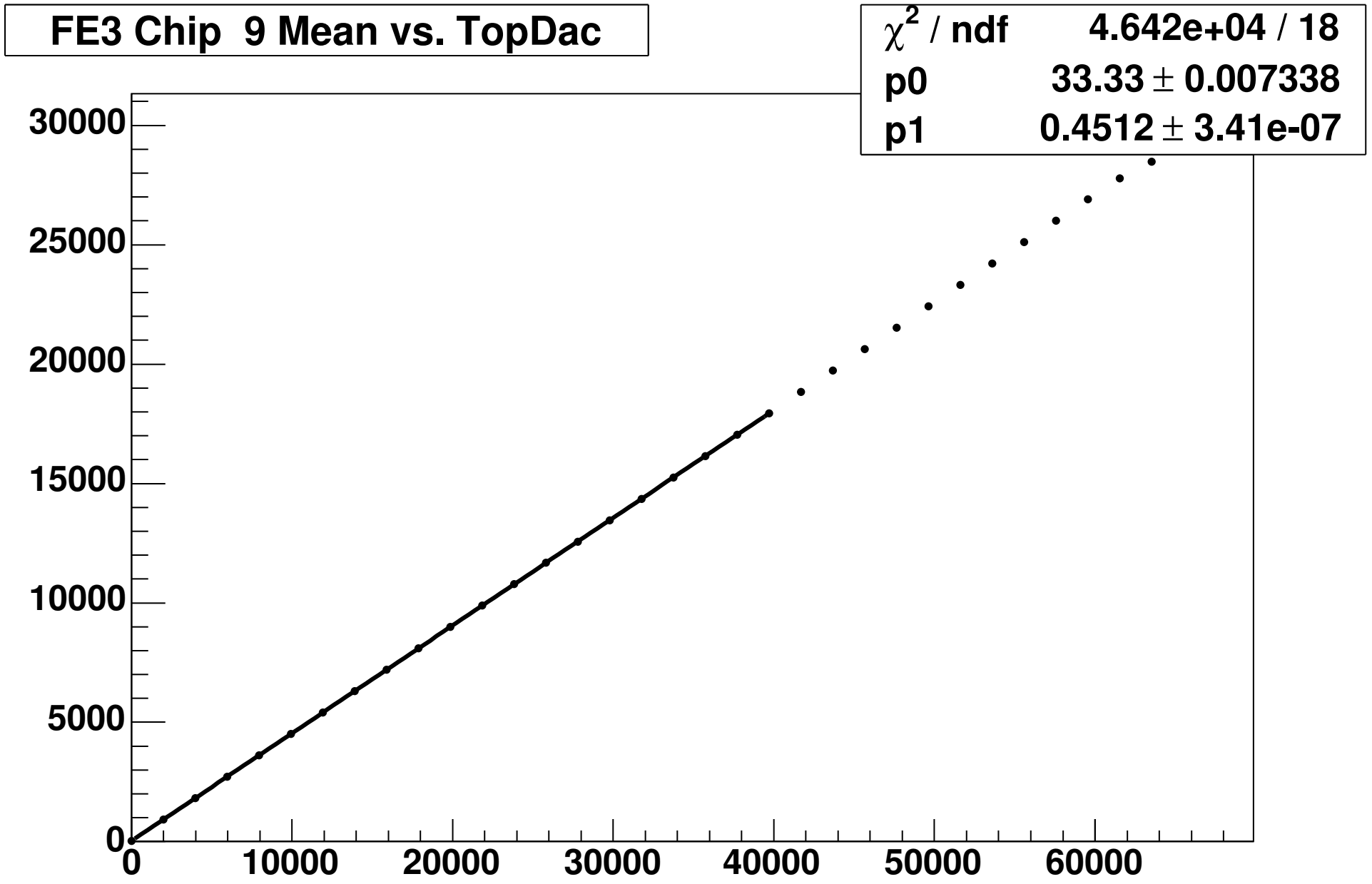

FE3 Chip 8 Rms vs. BotDac
χ² / ndf 25.26 / 18
p0 1.496 ± 0.002517
p1 5.228e-13 ± 3.235e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

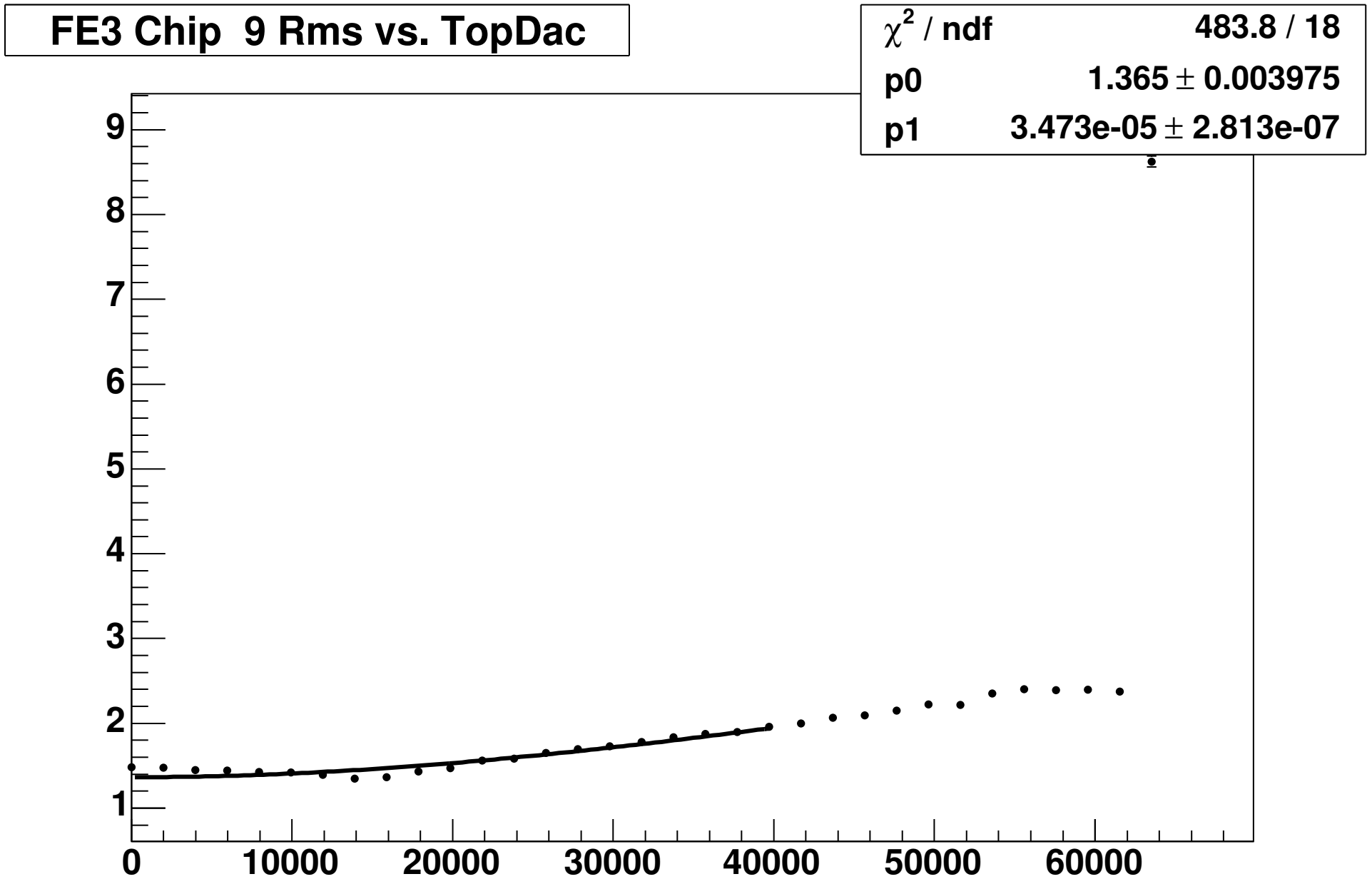

FE3 Chip 8 Mean vs. TopDac
χ² / ndf 5.985e+04 / 18
p0 30.91 ± 0.007366
p1 0.4512 ± 3.372e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

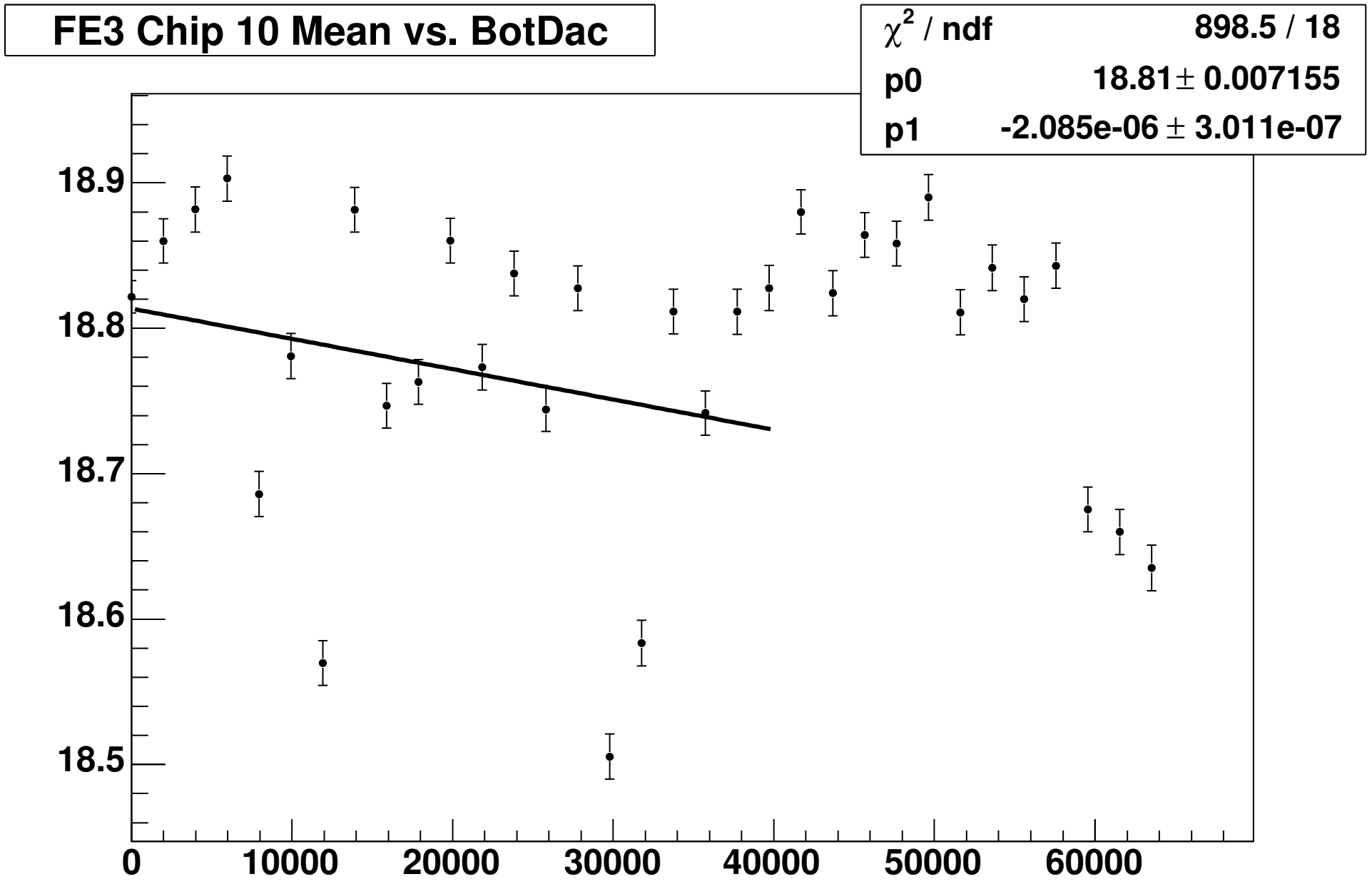

FE3 Chip 8 Rms vs. TopDac
χ² / ndf 447.8 / 18
p0 1.38 ± 0.00395
p1 3.159e-05 ± 2.971e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

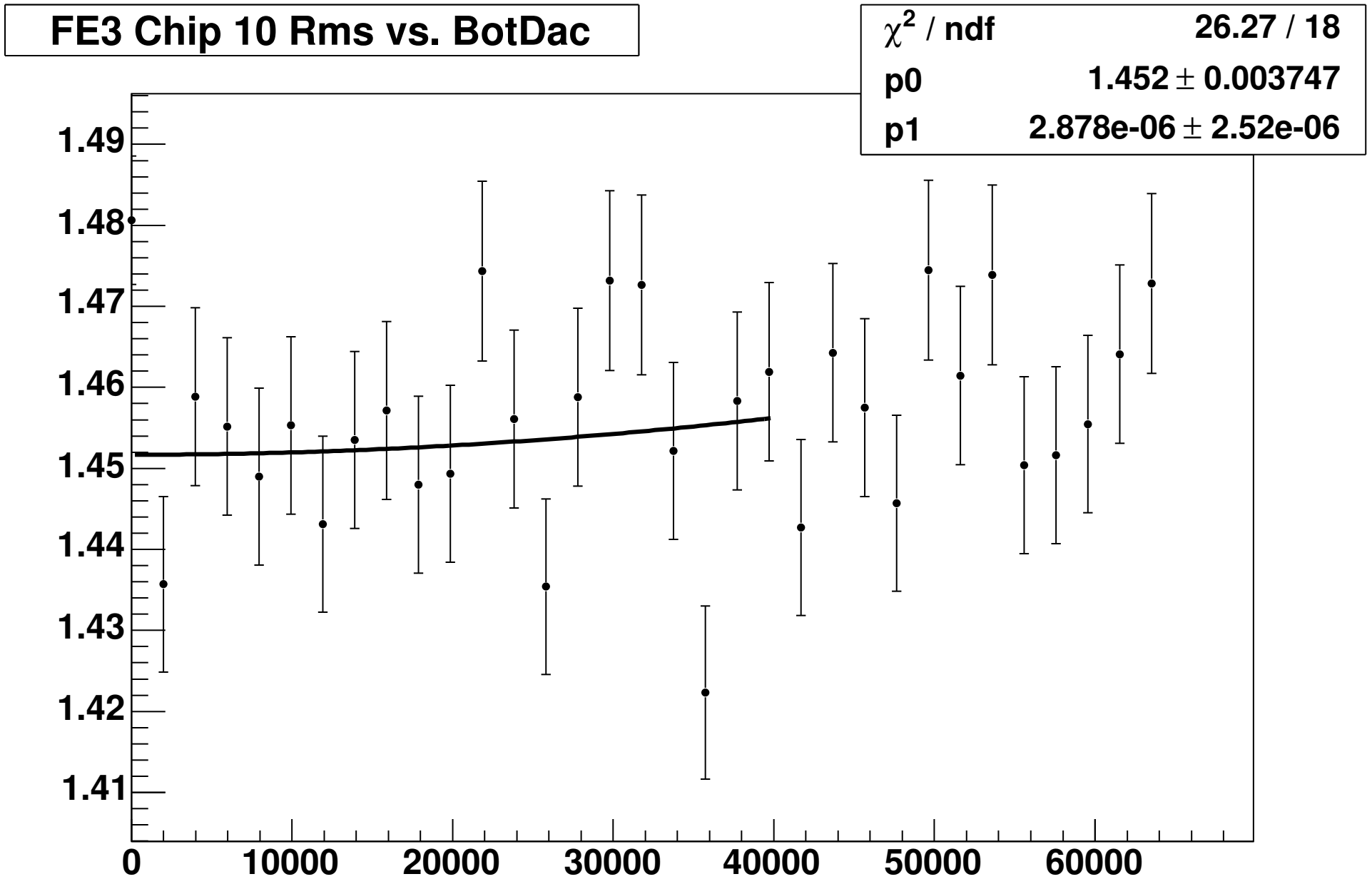

FE3 Chip 9 Mean vs. BotDac
χ² / ndf 856.7 / 18
p0 31.74 ± 0.007321
p1 -2.579e-06 ± 3.075e-07
31.8
31.7
31.6
31.5
31.4
0
10000
20000
30000
40000
50000
60000

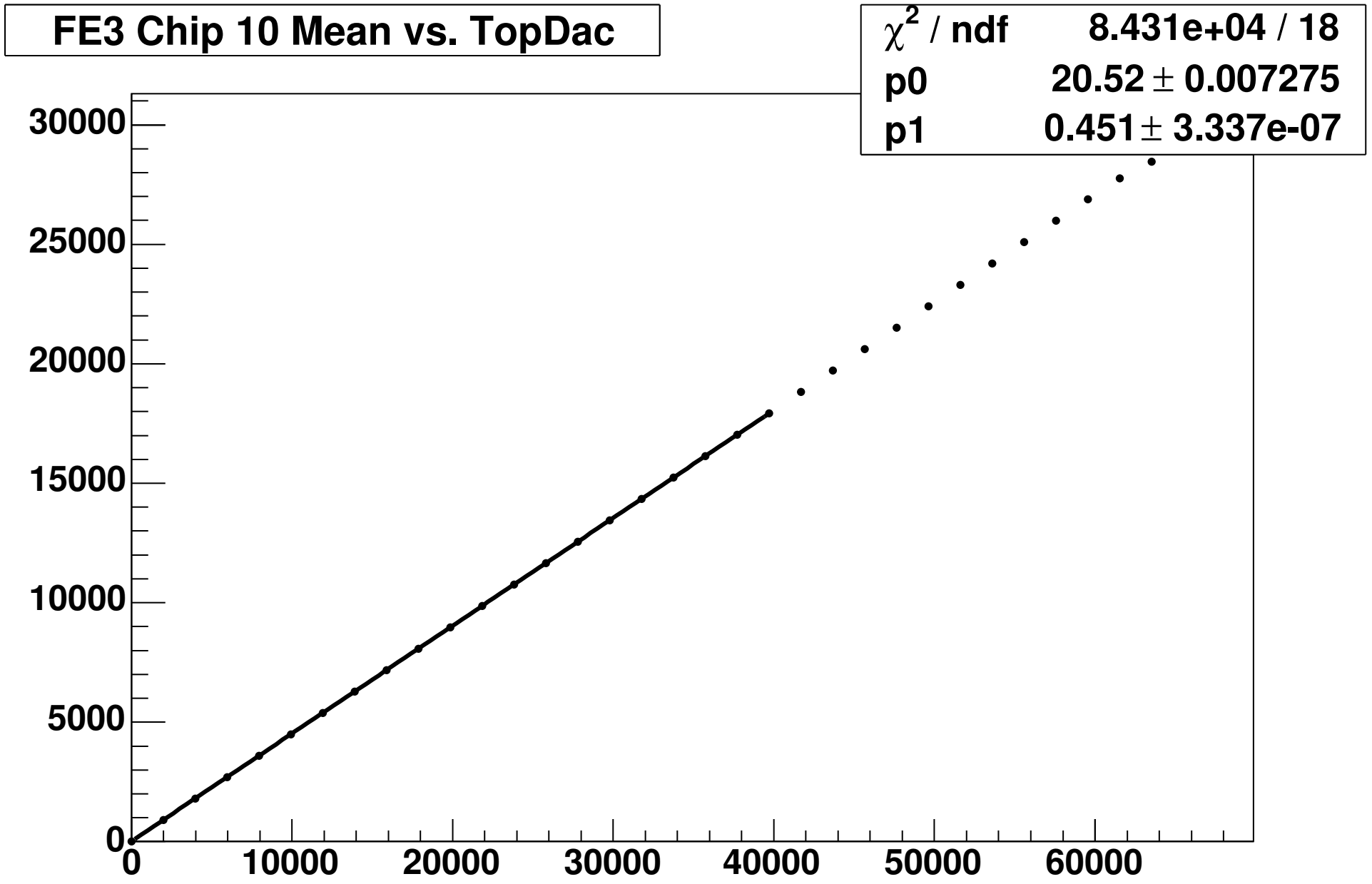

FE3 Chip 9 Rms vs. BotDac
χ² / ndf 19.77 / 18
p0 1.485 ± 0.002502
p1 6.366e-14 ± 3.11e-06
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

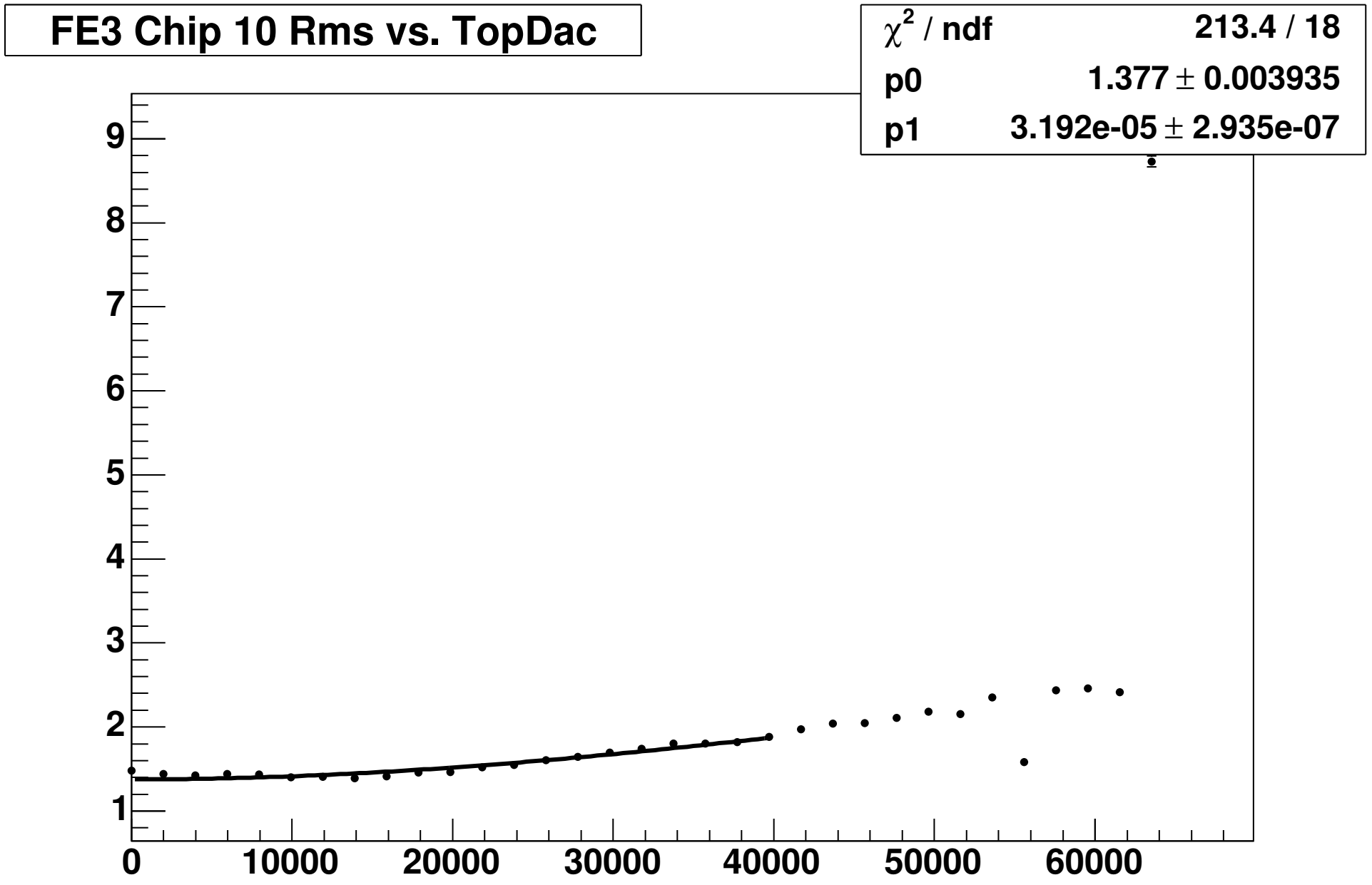

FE3 Chip 9 Mean vs. TopDac
χ² / ndf 4.642e+04 / 18
p0 33.33 ± 0.007338
p1 0.4512 ± 3.41e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

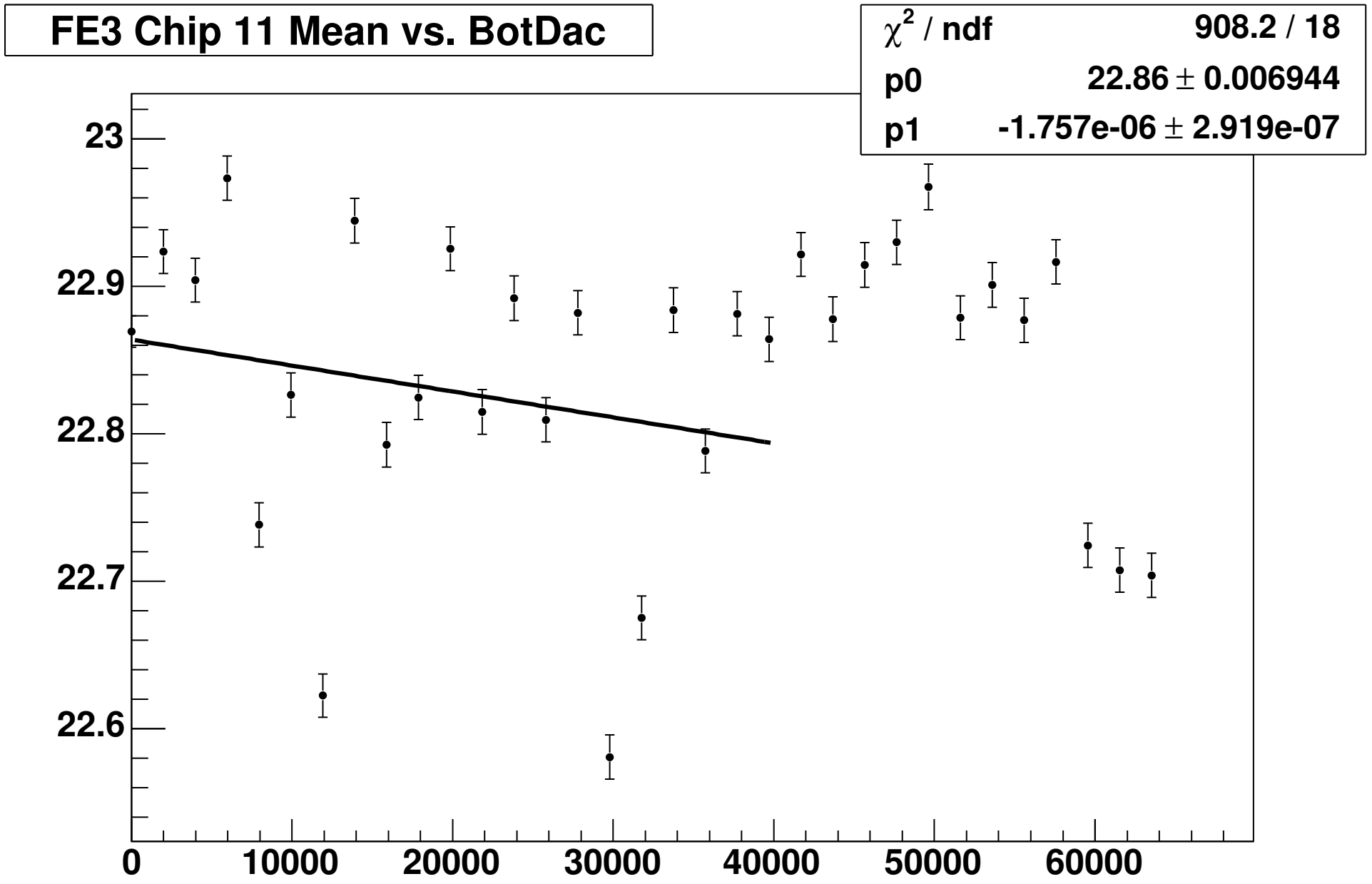

FE3 Chip 9 Rms vs. TopDac
χ² / ndf 483.8 / 18
p0 1.365 ± 0.003975
p1 3.473e-05 ± 2.813e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

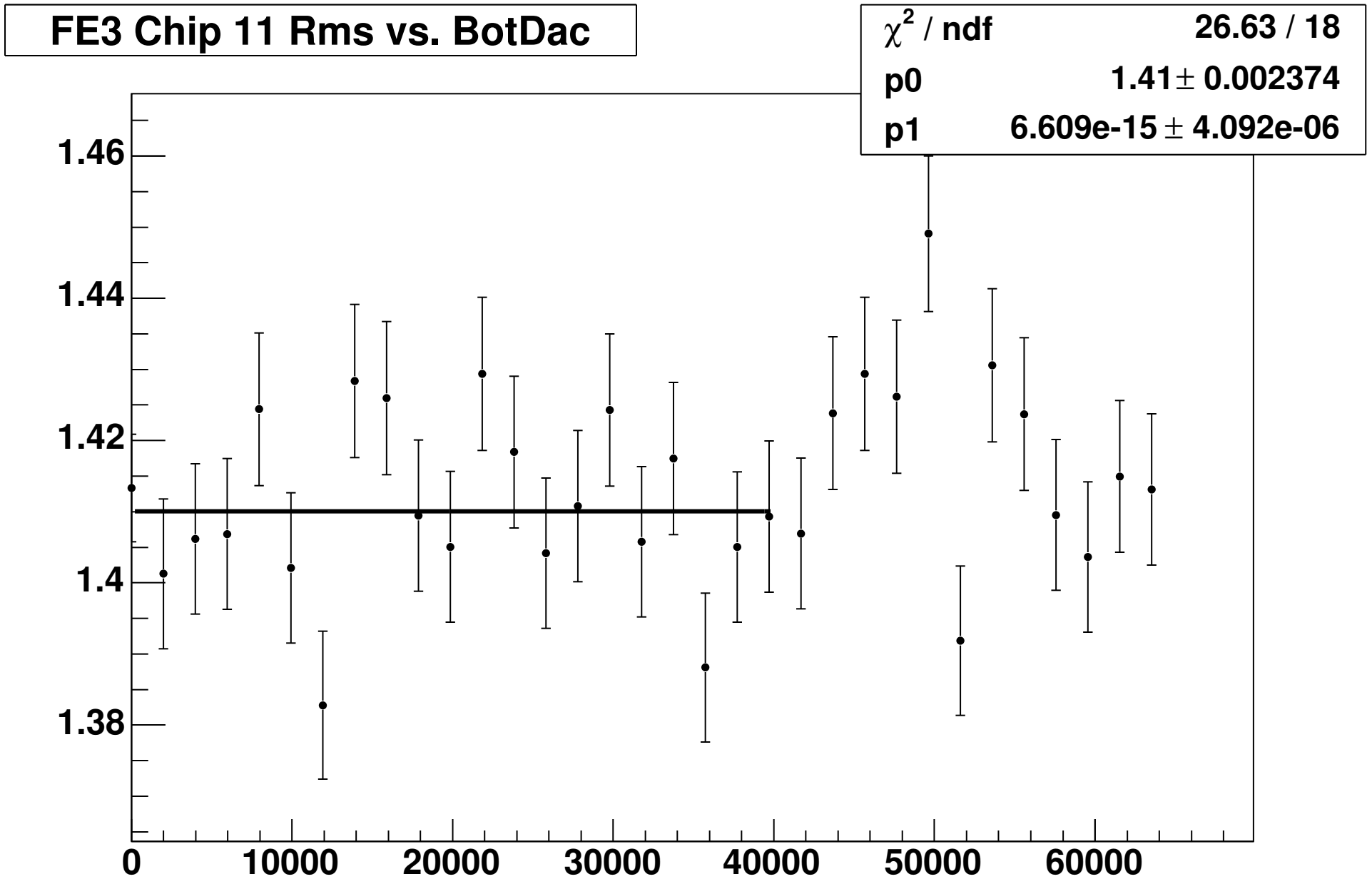

FE3 Chip 10 Mean vs. BotDac
χ² / ndf 898.5 / 18
p0 18.81 ± 0.007155
p1 -2.085e-06 ± 3.011e-07
18.9
18.8
18.7
18.6
18.5
0
10000
20000
30000
40000
50000
60000

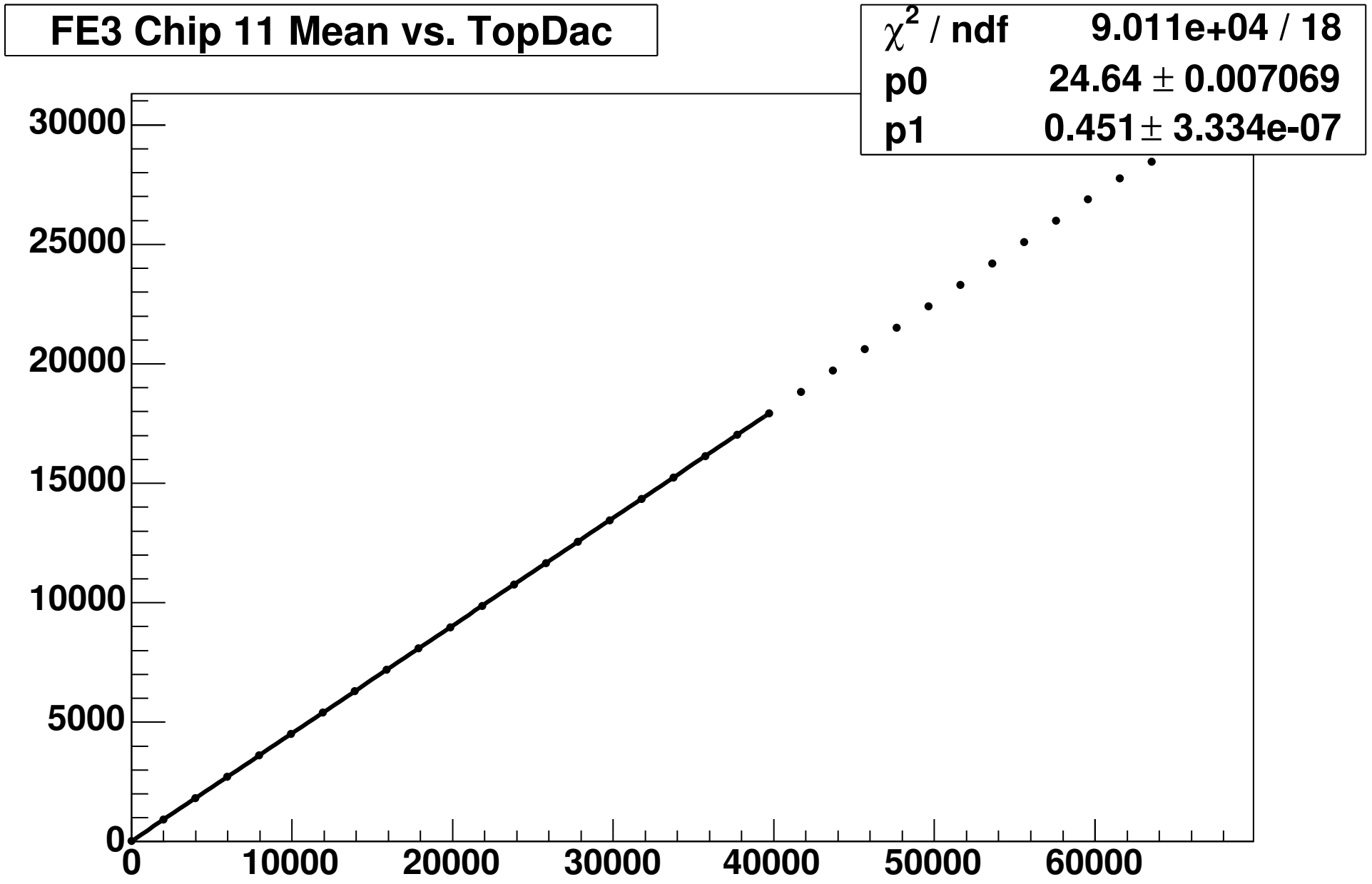

FE3 Chip 10 Rms vs. BotDac
χ² / ndf 26.27 / 18
p0 1.452 ± 0.003747
p1 2.878e-06 ± 2.52e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000

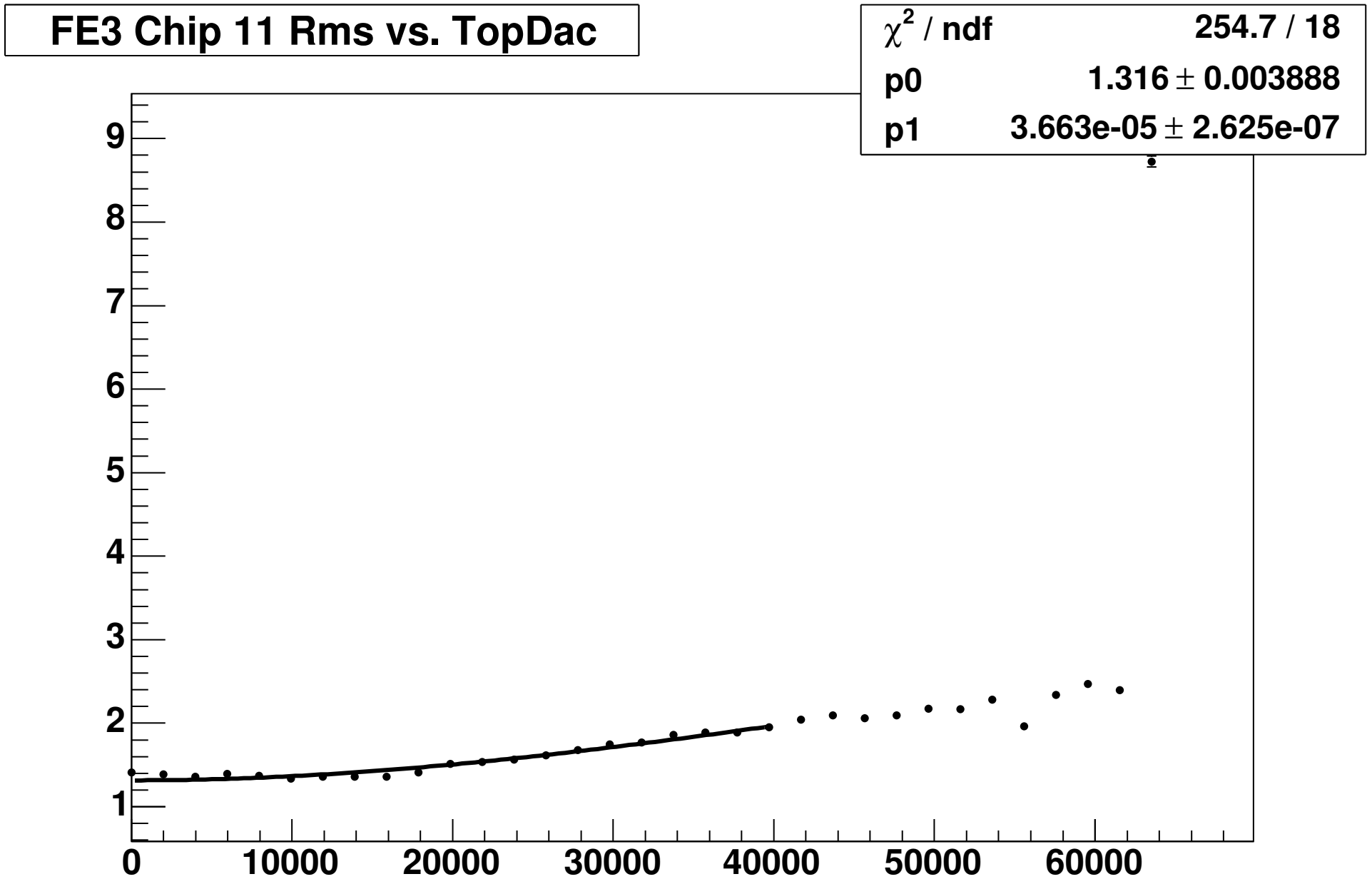

FE3 Chip 10 Mean vs. TopDac
χ² / ndf 8.431e+04 / 18
p0 20.52 ± 0.007275
p1 0.451 ± 3.337e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

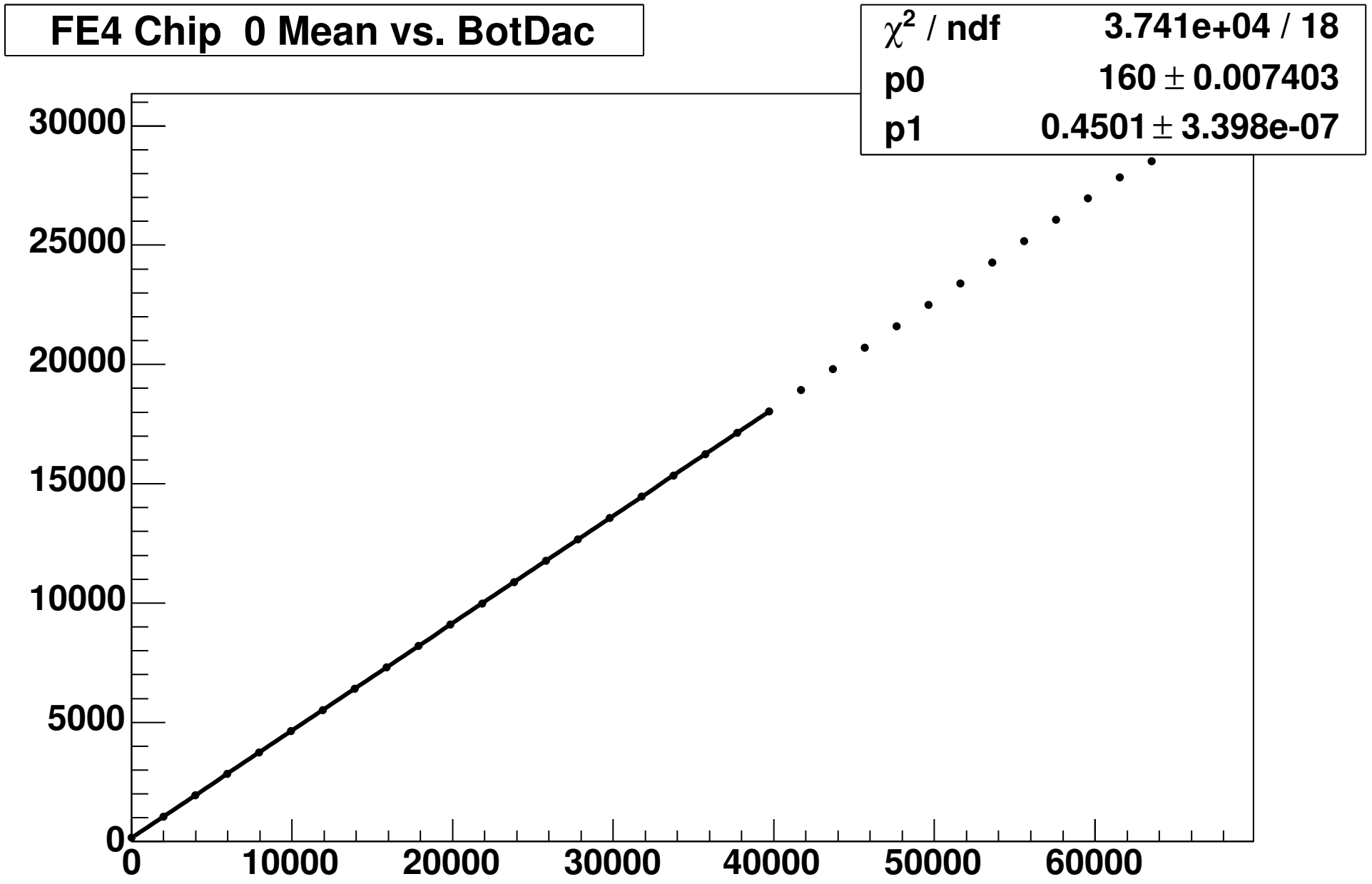

FE3 Chip 10 Rms vs. TopDac
χ² / ndf 213.4 / 18
p0 1.377 ± 0.003935
p1 3.192e-05 ± 2.935e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

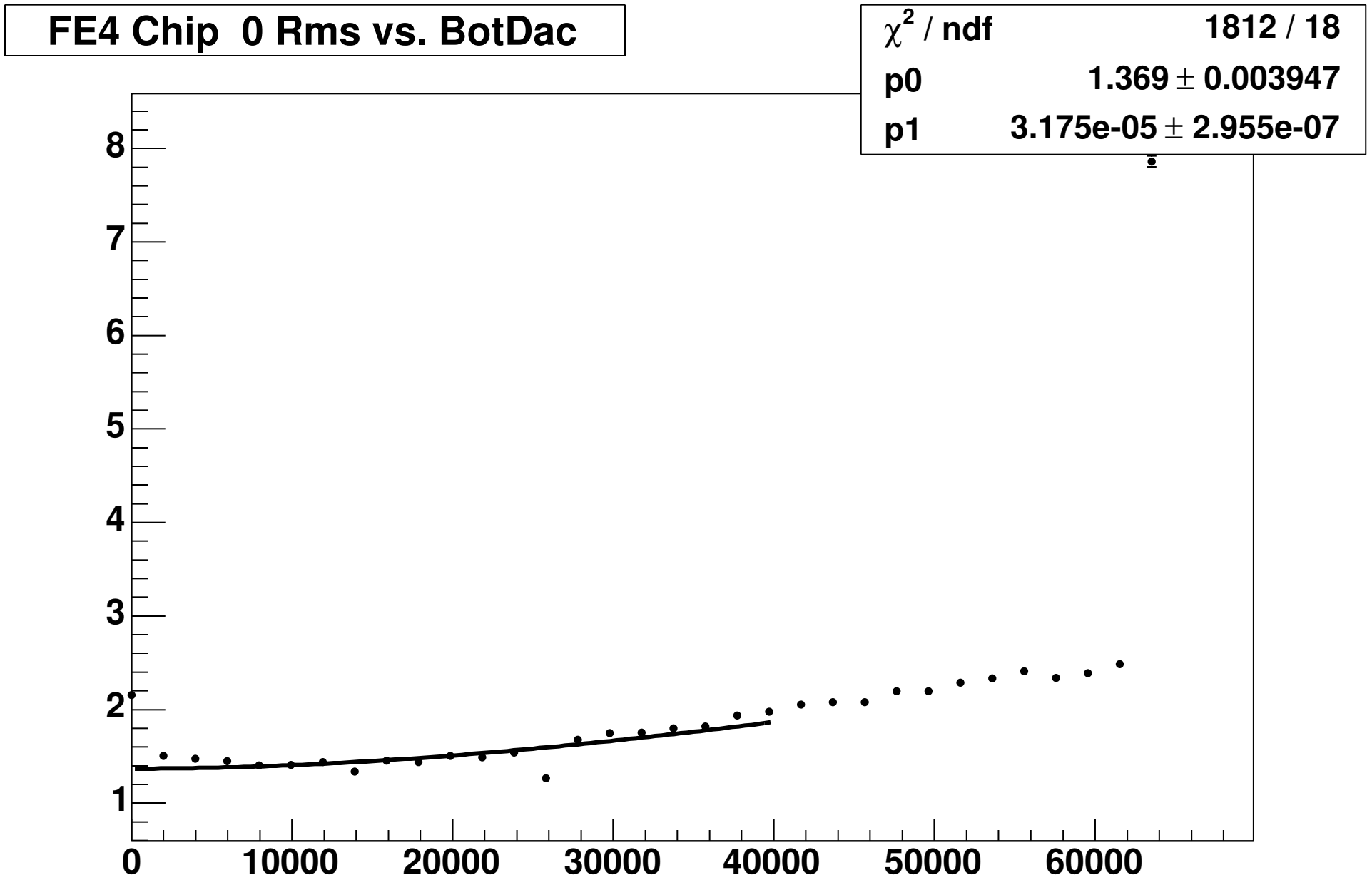

FE3 Chip 11 Mean vs. BotDac
χ² / ndf 908.2 / 18
p0 22.86 ± 0.006944
p1 -1.757e-06 ± 2.919e-07
23
22.9
22.8
22.7
22.6
0
10000
20000
30000
40000
50000
60000

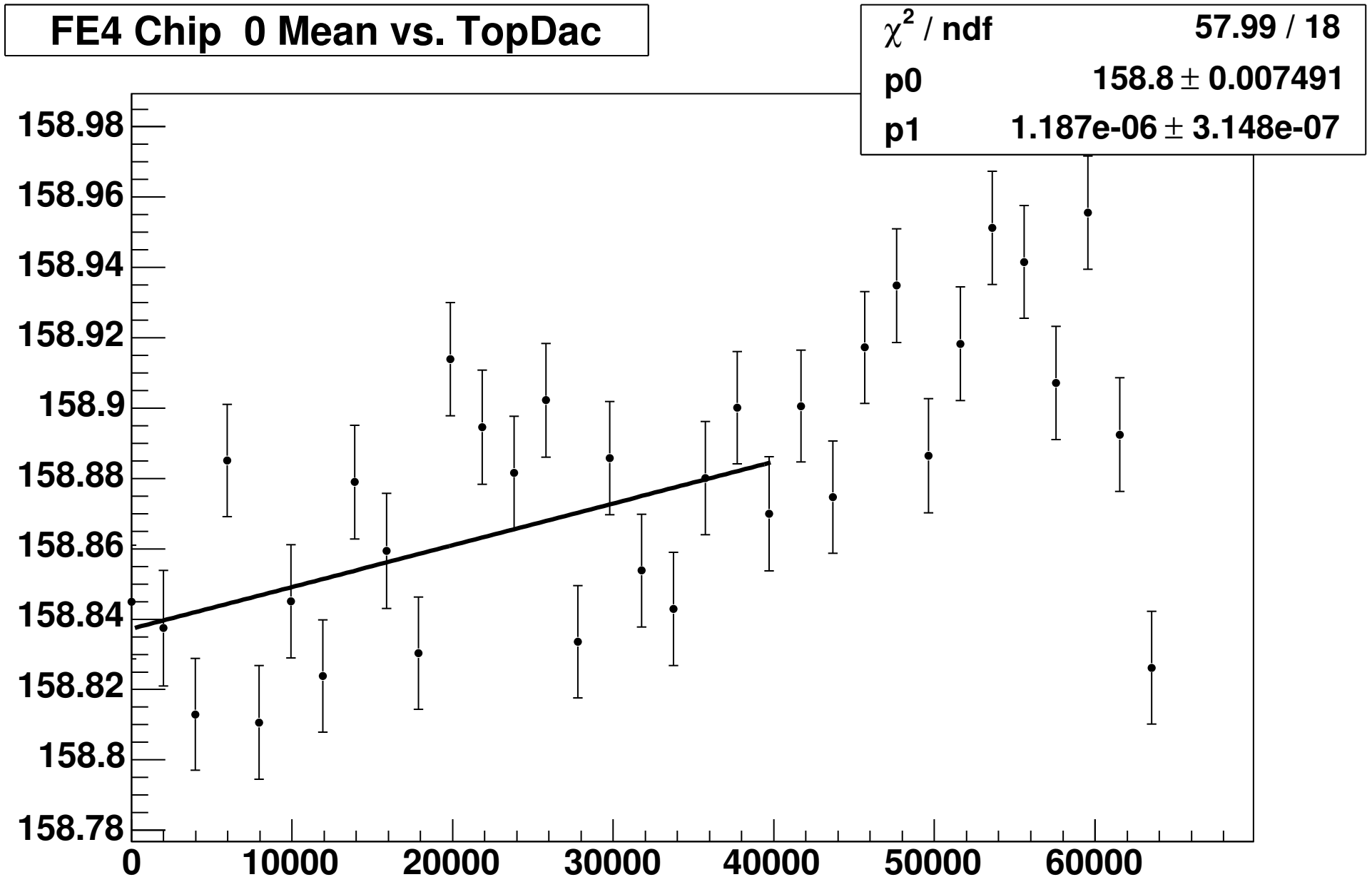

FE3 Chip 11 Rms vs. BotDac
χ² / ndf 26.63 / 18
p0 1.41 ± 0.002374
p1 6.609e-15 ± 4.092e-06
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

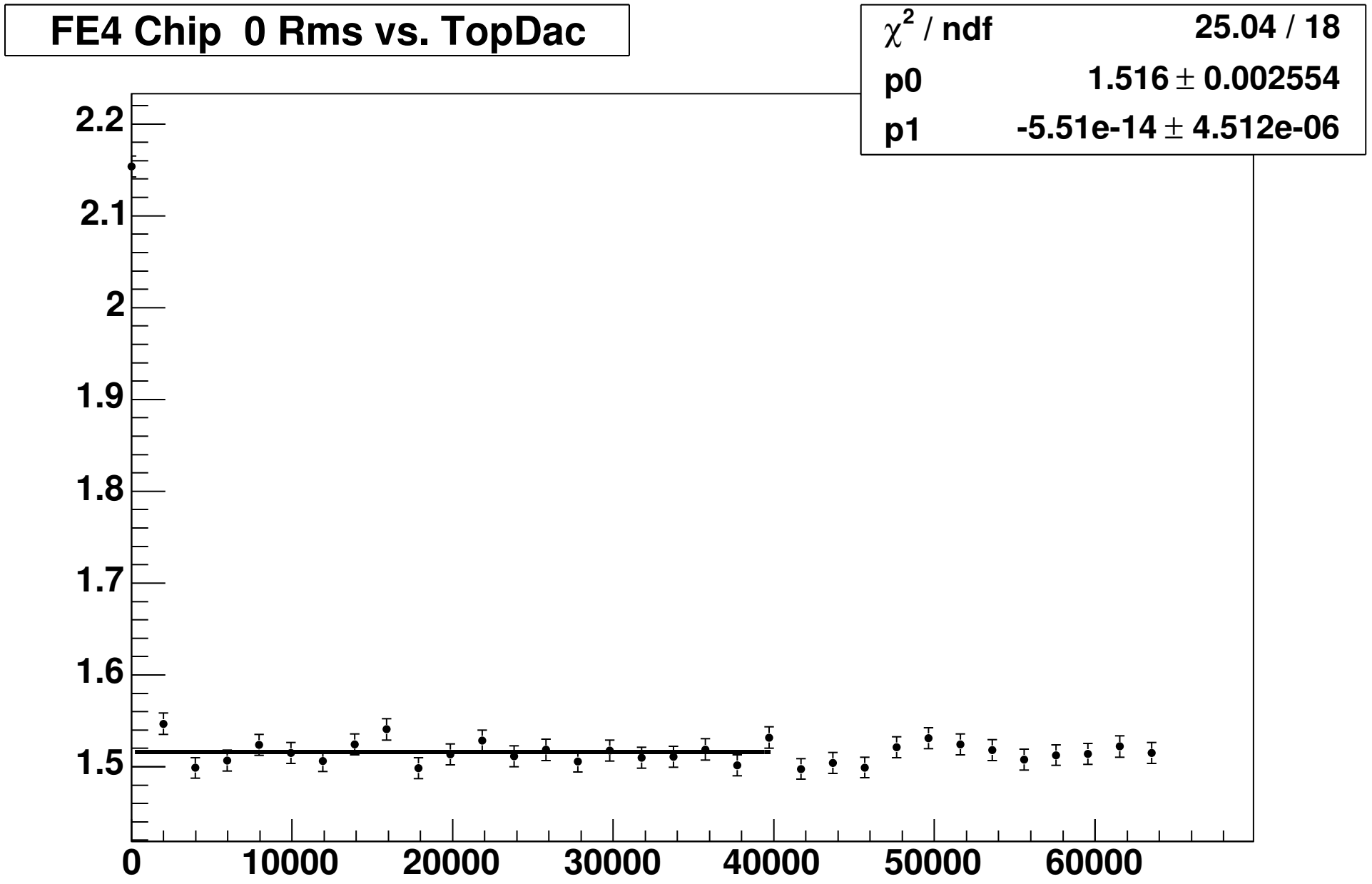

FE3 Chip 11 Mean vs. TopDac
χ² / ndf 9.011e+04 / 18
p0 24.64 ± 0.007069
p1 0.451 ± 3.334e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

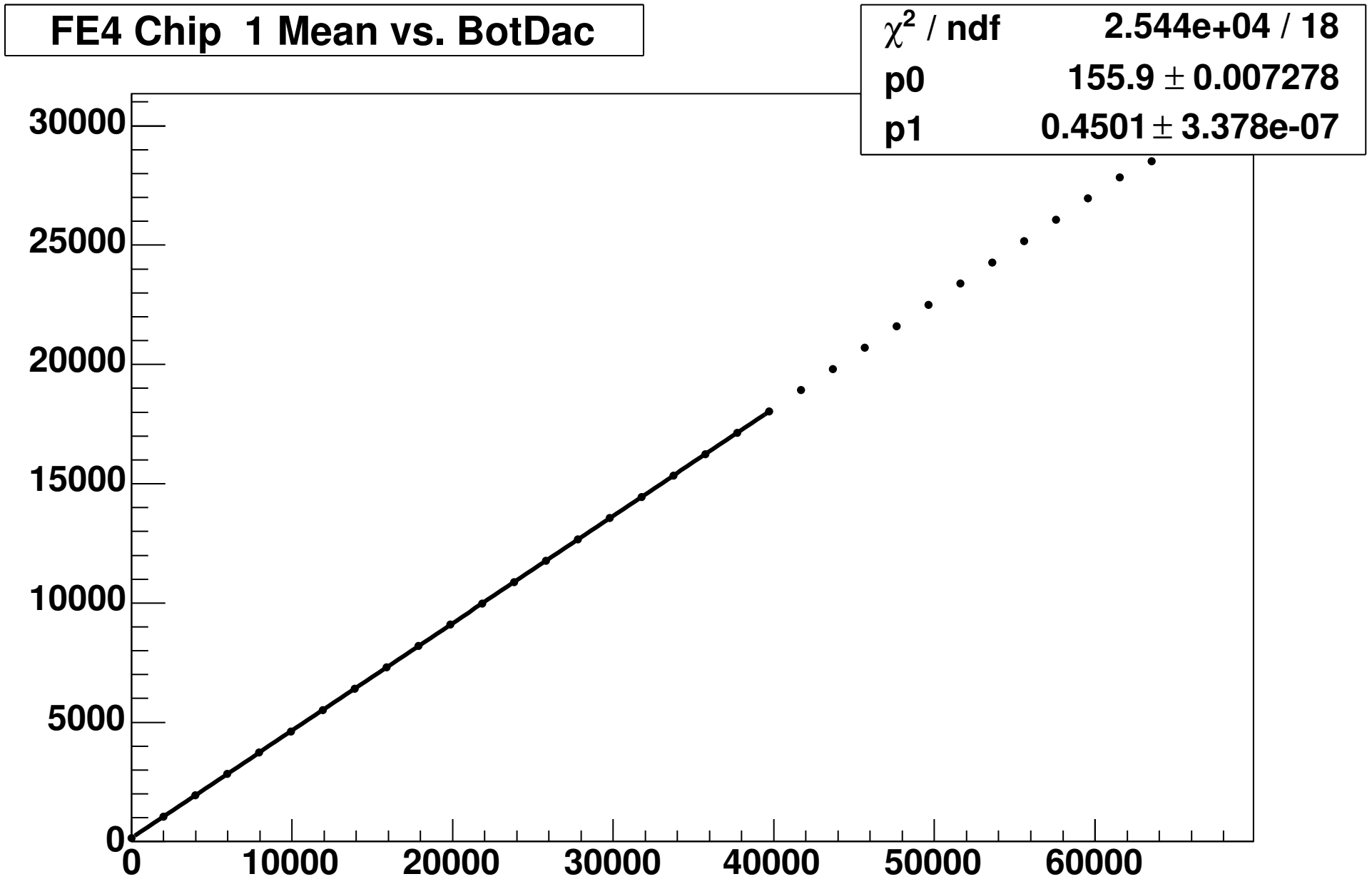

FE3 Chip 11 Rms vs. TopDac
χ² / ndf 254.7 / 18
p0 1.316 ± 0.003888
p1 3.663e-05 ± 2.625e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

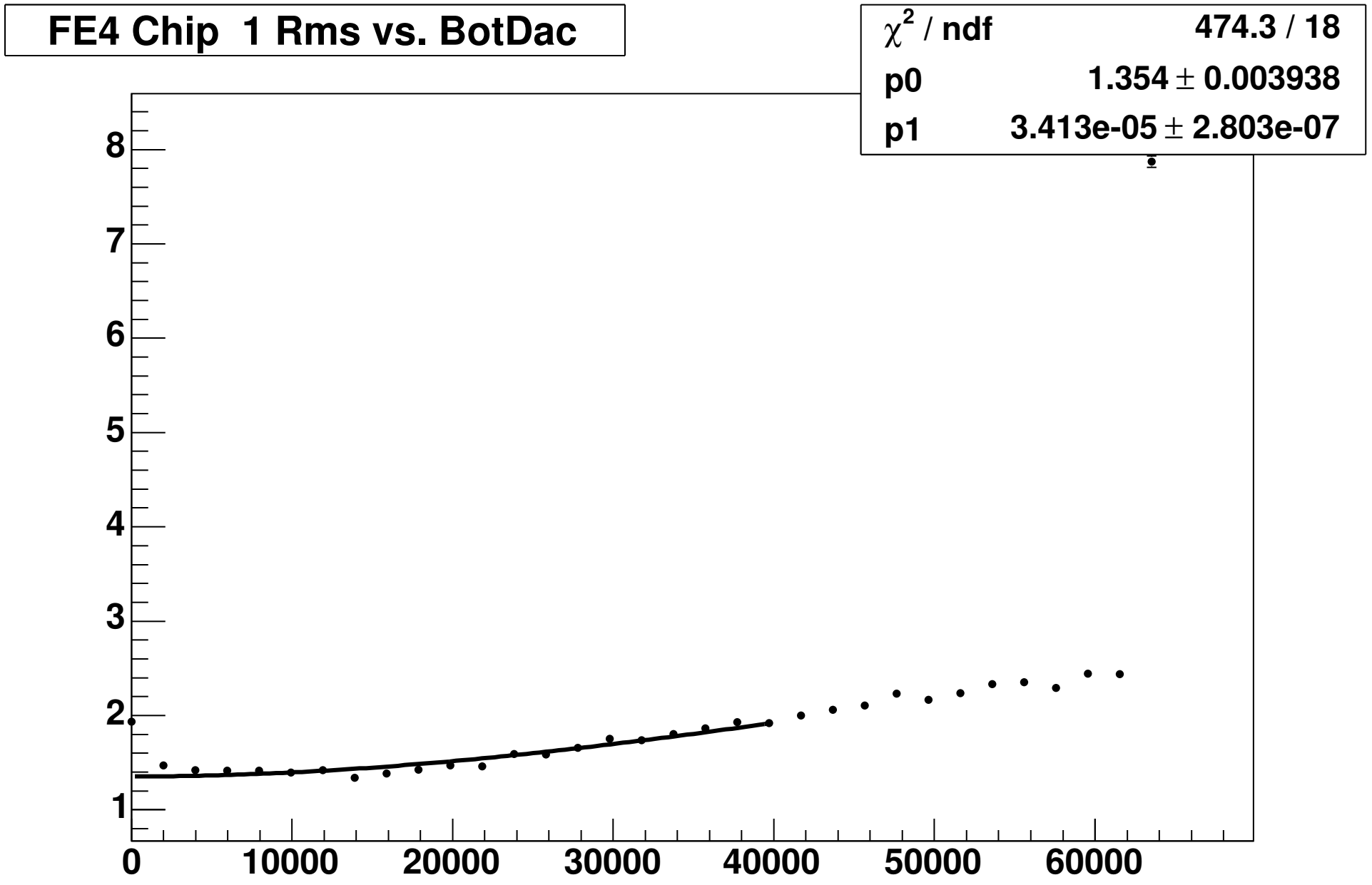

FE4 Chip 0 Mean vs. BotDac
χ² / ndf 3.741e+04 / 18
p0 160 ± 0.007403
p1 0.4501 ± 3.398e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

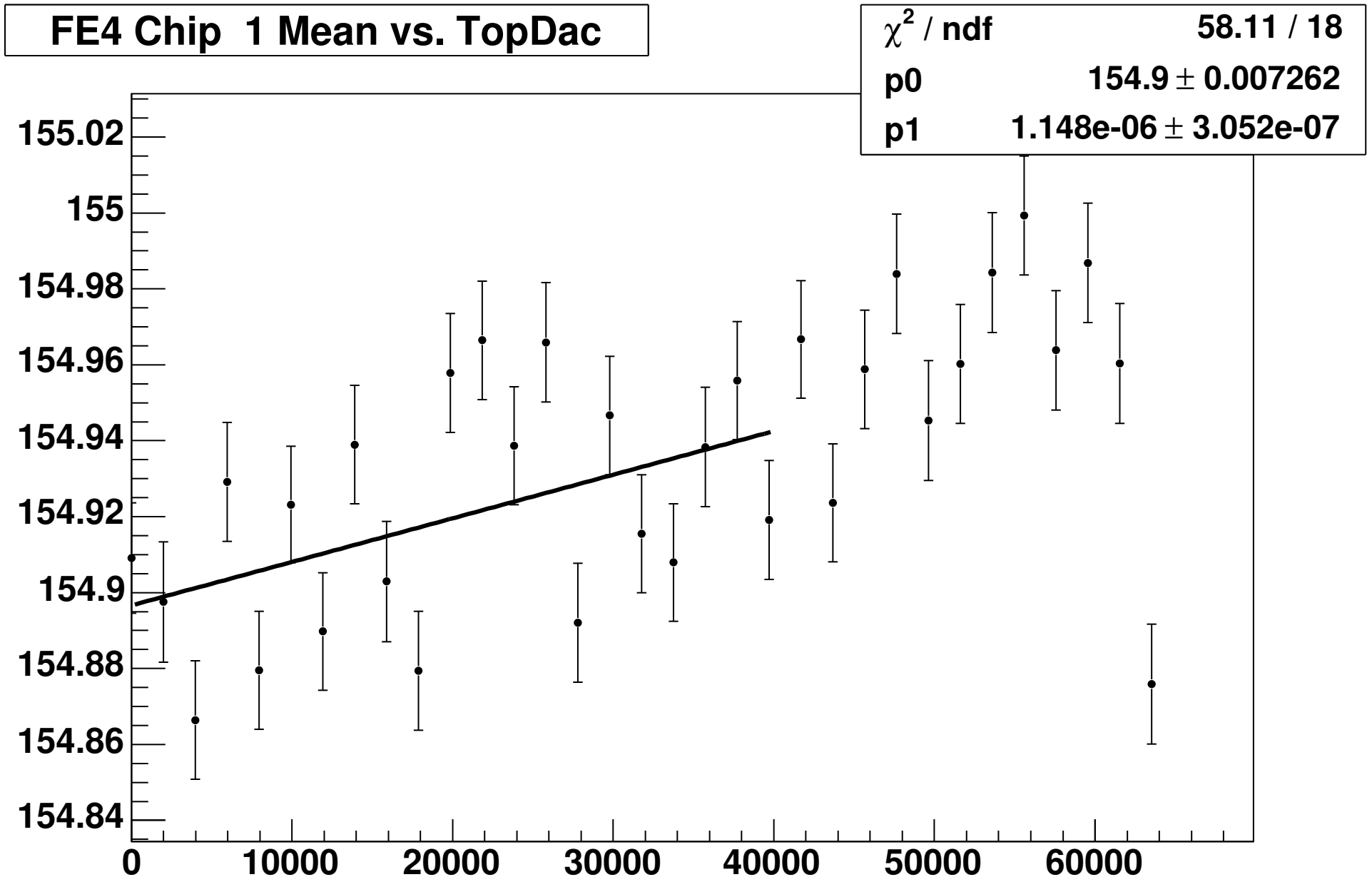

FE4 Chip 0 Rms vs. BotDac
χ² / ndf 1812 / 18
p0 1.369 ± 0.003947
p1 3.175e-05 ± 2.955e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

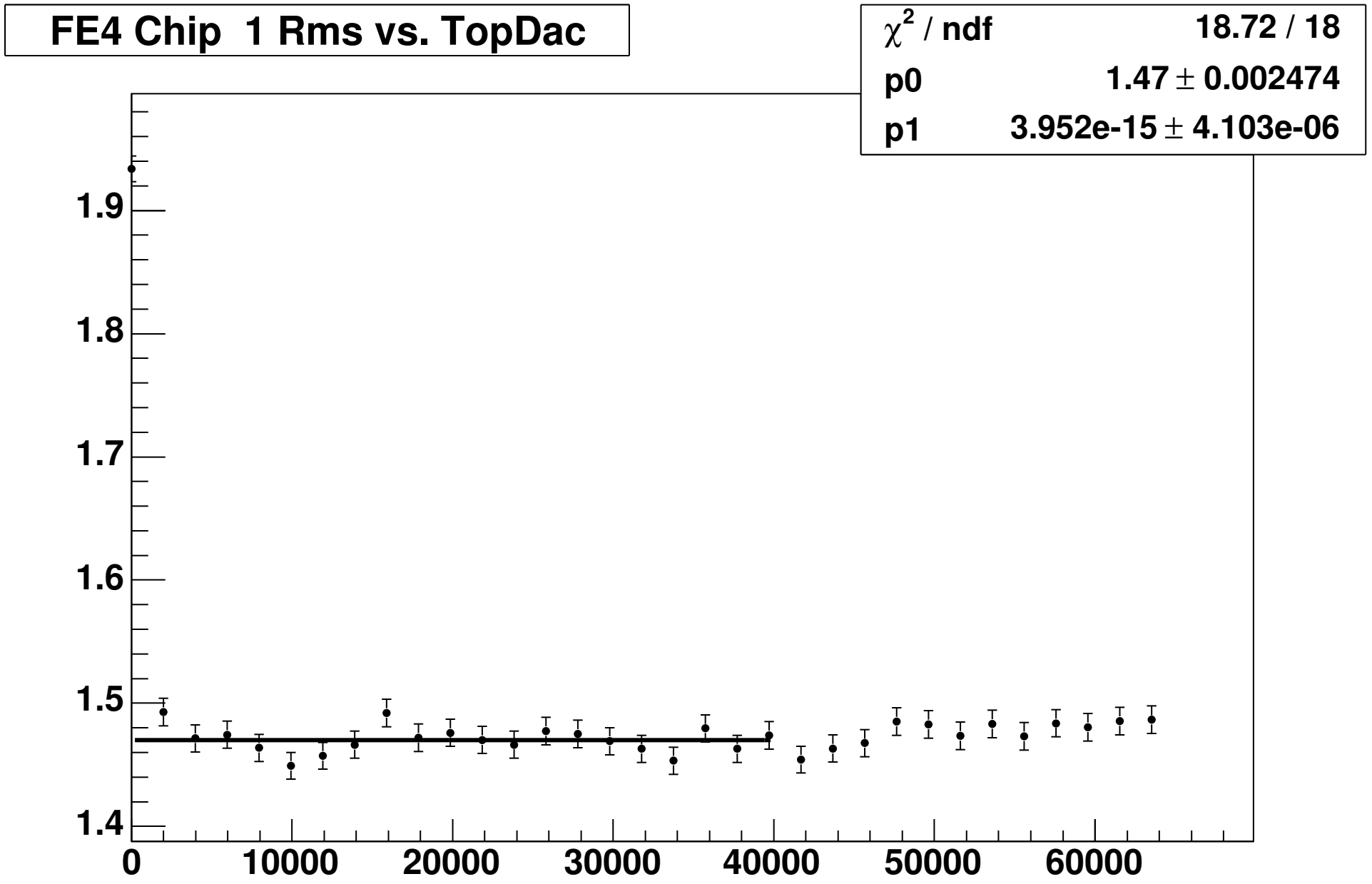

FE4 Chip 0 Mean vs. TopDac
χ² / ndf 57.99 / 18
p0 158.8 ± 0.007491
p1 1.187e-06 ± 3.148e-07
158.98
158.96
158.94
158.92
158.9
158.88
158.86
158.84
158.82
158.8
158.78
0
10000
20000
30000
40000
50000
60000

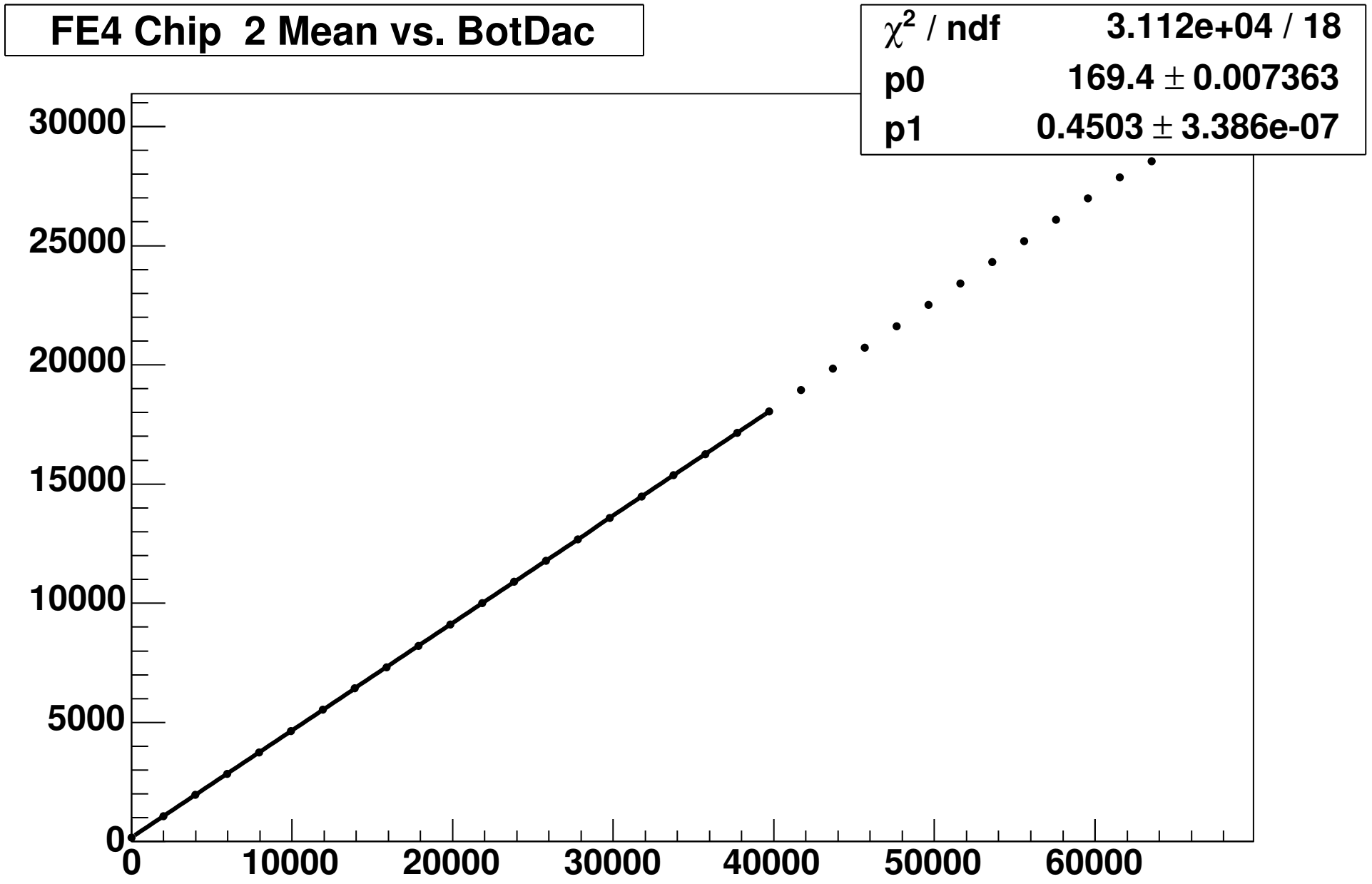

FE4 Chip 0 Rms vs. TopDac
χ² / ndf 25.04 / 18
p0 1.516 ± 0.002554
p1 -5.51e-14 ± 4.512e-06
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. BotDac
χ² / ndf 2.544e+04 / 18
p0 155.9 ± 0.007278
p1 0.4501 ± 3.378e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. BotDac
χ² / ndf 474.3 / 18
p0 1.354 ± 0.003938
p1 3.413e-05 ± 2.803e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Mean vs. TopDac
χ² / ndf 58.11 / 18
p0 154.9 ± 0.007262
p1 1.148e-06 ± 3.052e-07
155.02
155
154.98
154.96
154.94
154.92
154.9
154.88
154.86
154.84
0
10000
20000
30000
40000
50000
60000


FE4 Chip 1 Rms vs. TopDac
χ² / ndf 18.72 / 18
p0 1.47 ± 0.002474
p1 3.952e-15 ± 4.103e-06
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Mean vs. BotDac
χ² / ndf 3.112e+04 / 18
p0 169.4 ± 0.007363
p1 0.4503 ± 3.386e-07
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25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
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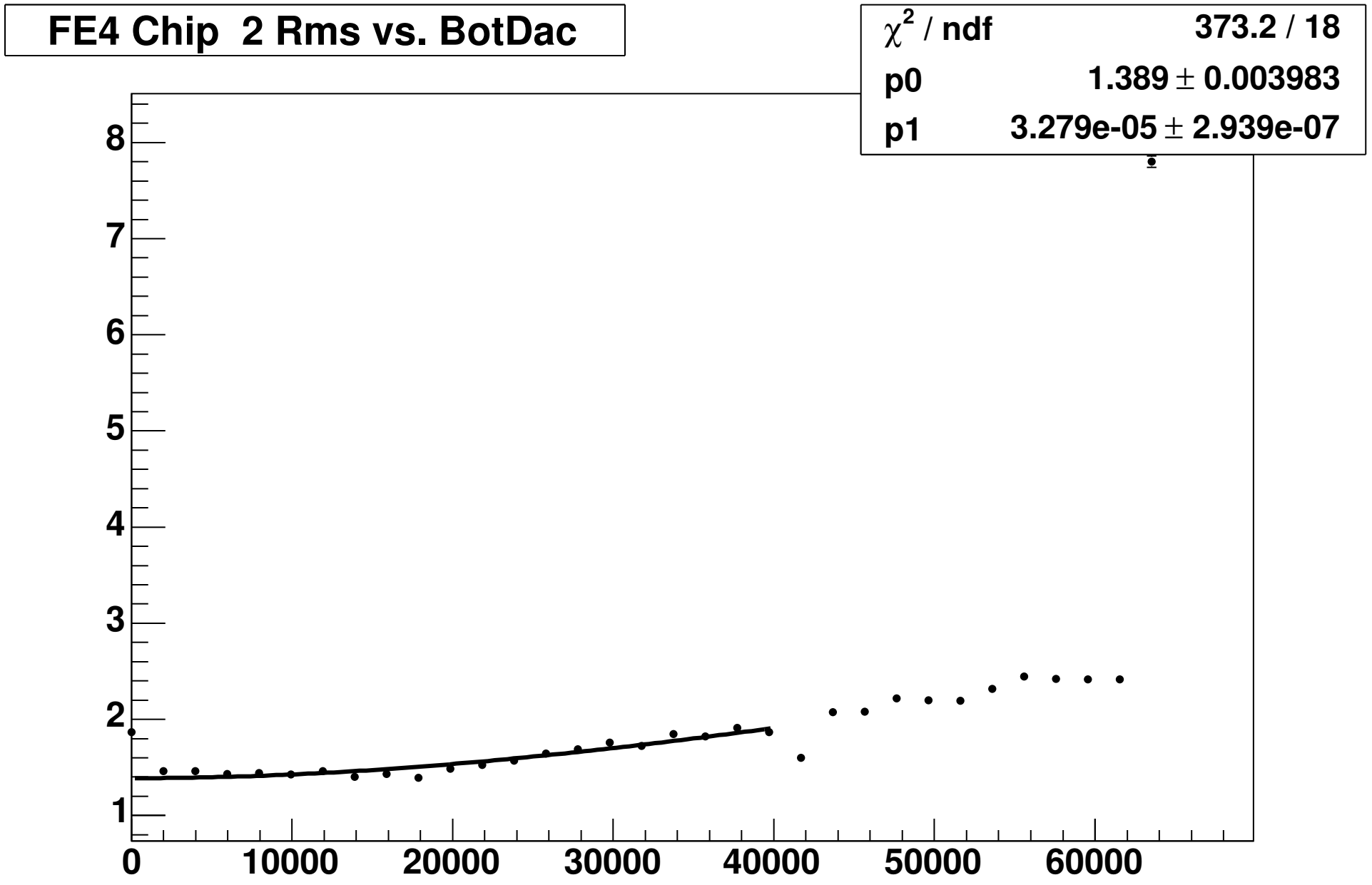
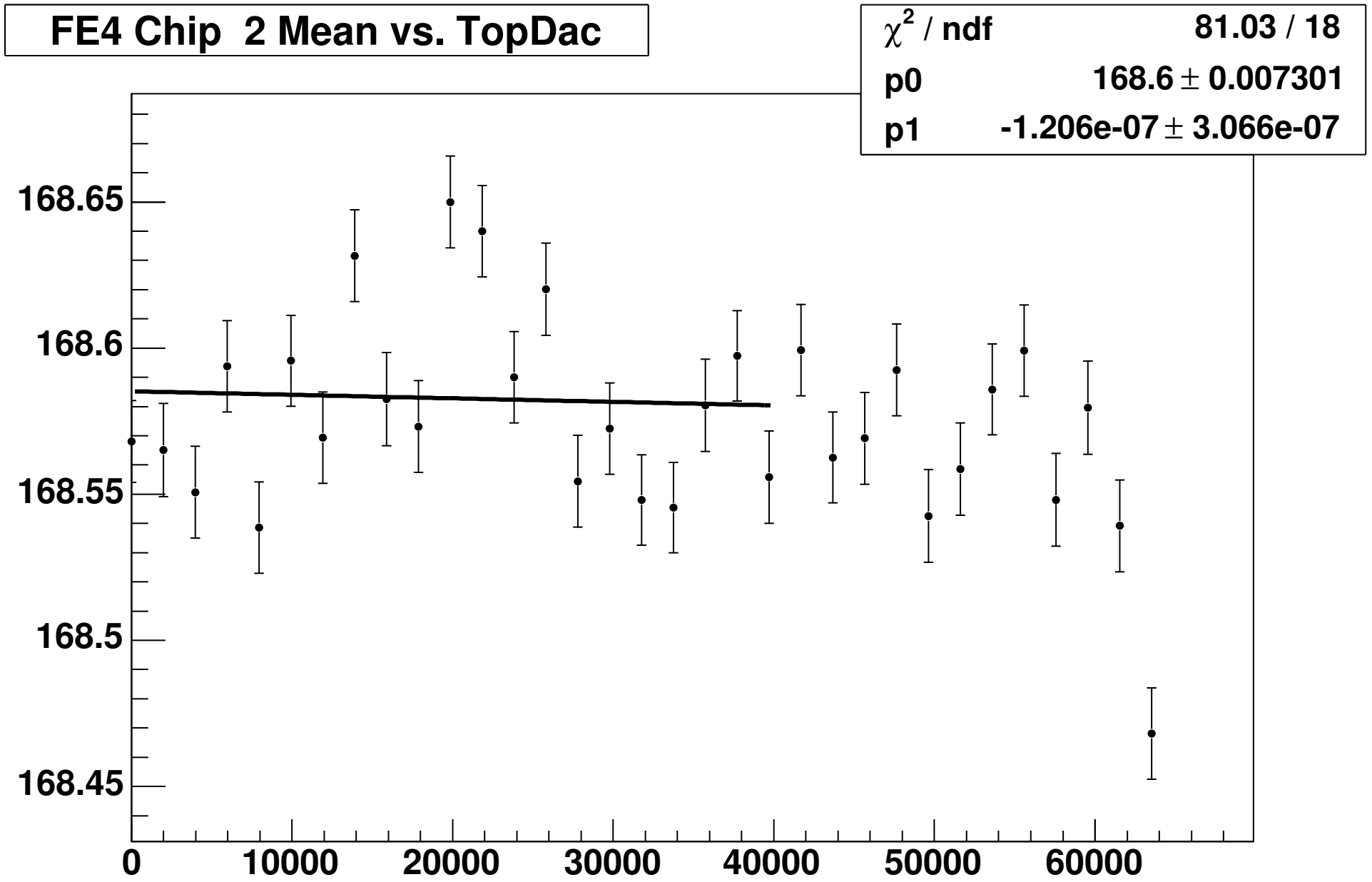
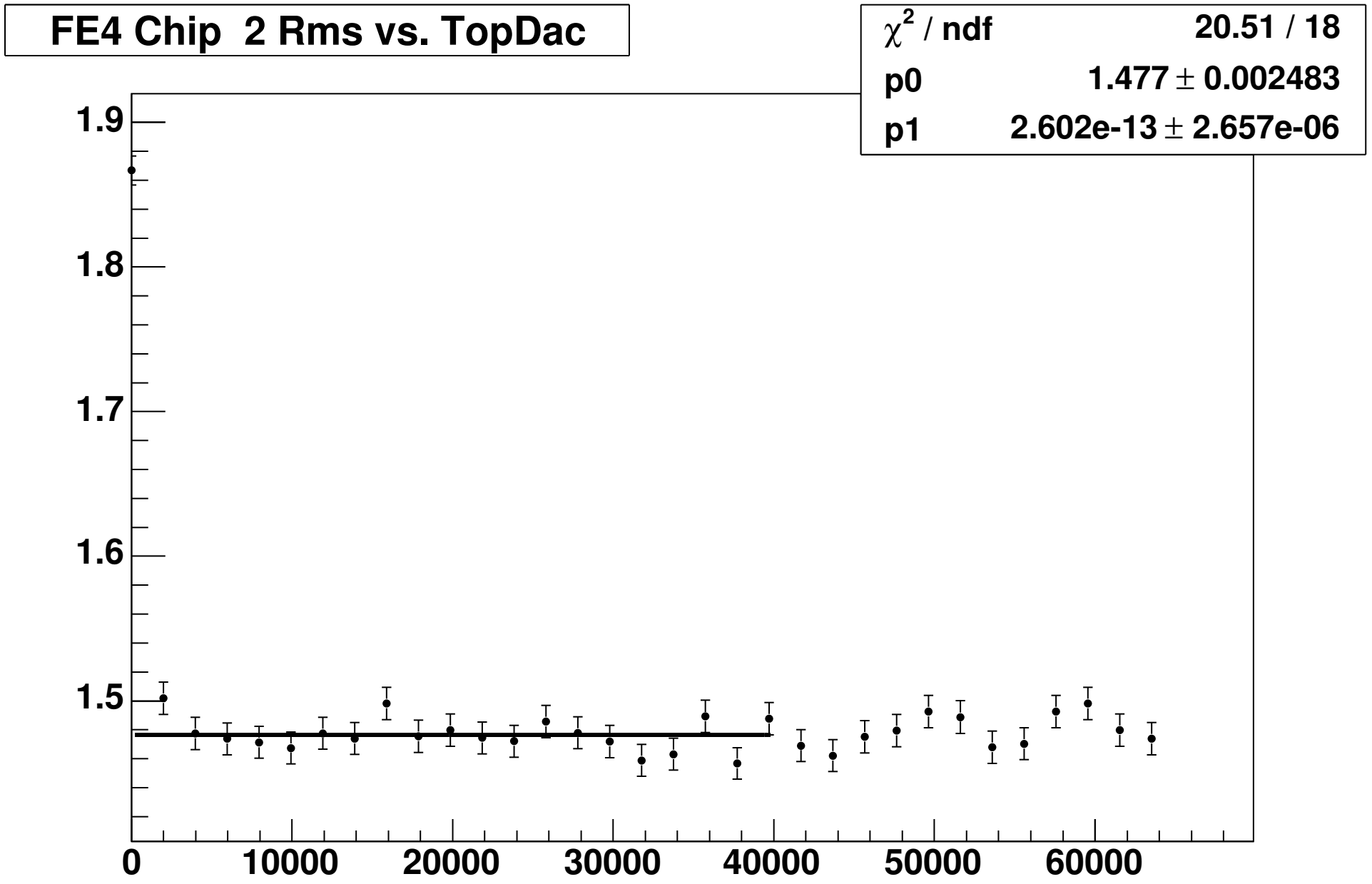

FE4 Chip 2 Rms vs. BotDac
χ² / ndf 373.2 / 18
p0 1.389 ± 0.003983
p1 3.279e-05 ± 2.939e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Mean vs. TopDac
χ² / ndf 81.03 / 18
p0 168.6 ± 0.007301
p1 -1.206e-07 ± 3.066e-07
168.65
168.6
168.55
168.5
168.45
0
10000
20000
30000
40000
50000
60000


FE4 Chip 2 Rms vs. TopDac
χ² / ndf 20.51 / 18
p0 1.477 ± 0.002483
p1 2.602e-13 ± 2.657e-06
1.9
1.8
1.7
1.6
1.5
0
10000
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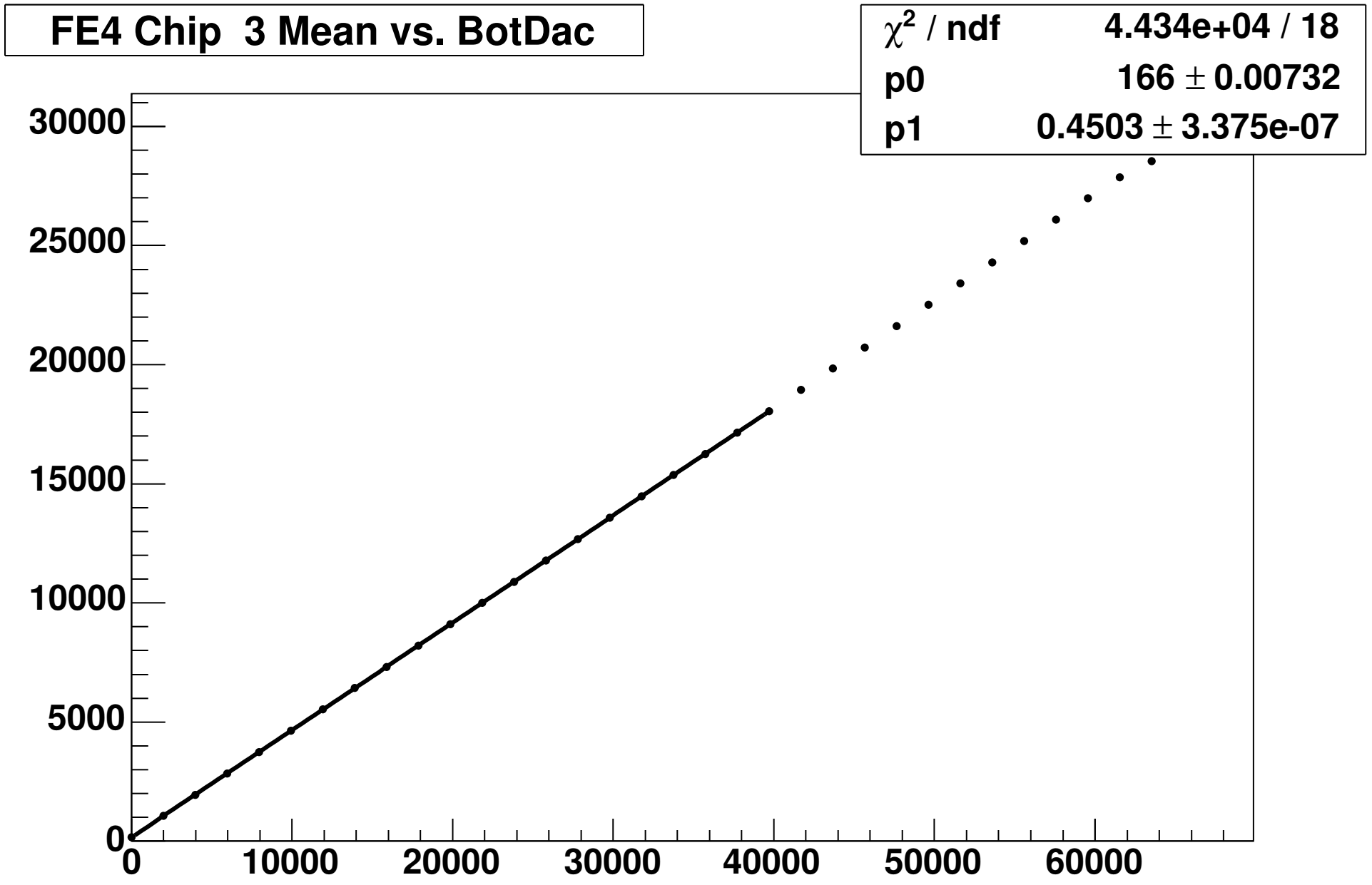
30000
40000
50000
60000


FE4 Chip 3 Mean vs. BotDac
χ² / ndf 4.434e+04 / 18
p0 166 ± 0.00732
p1 0.4503 ± 3.375e-07
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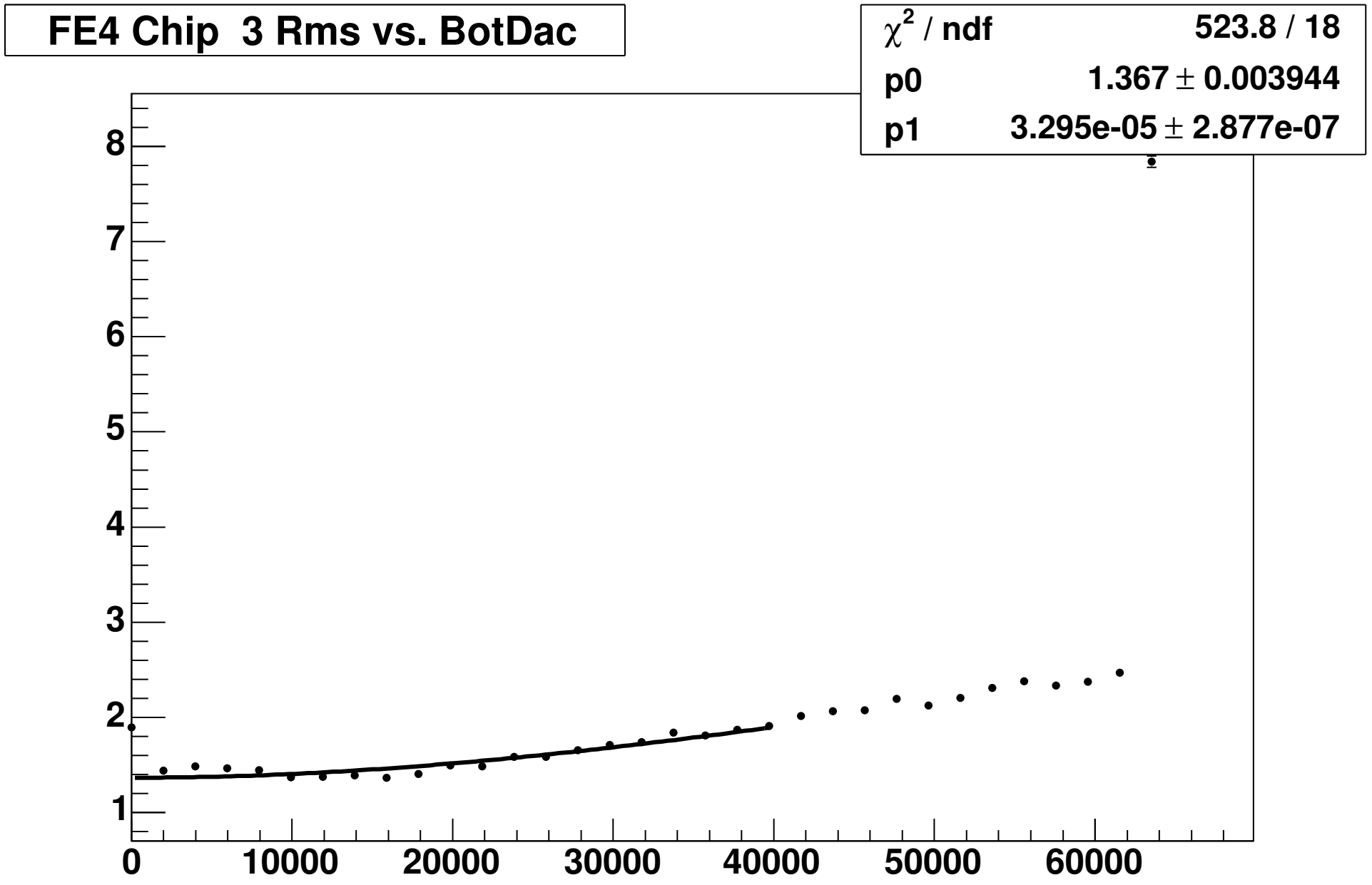
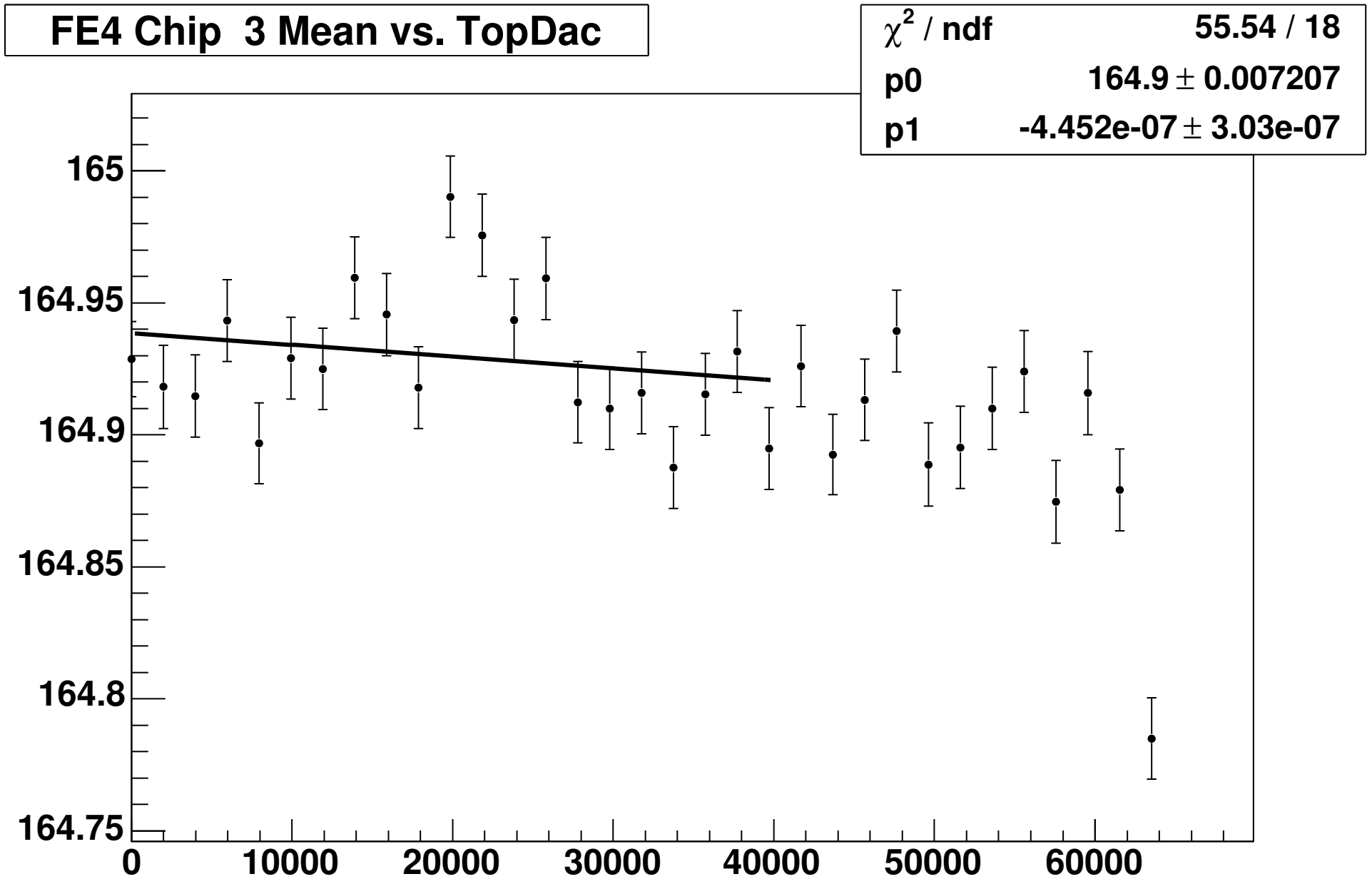
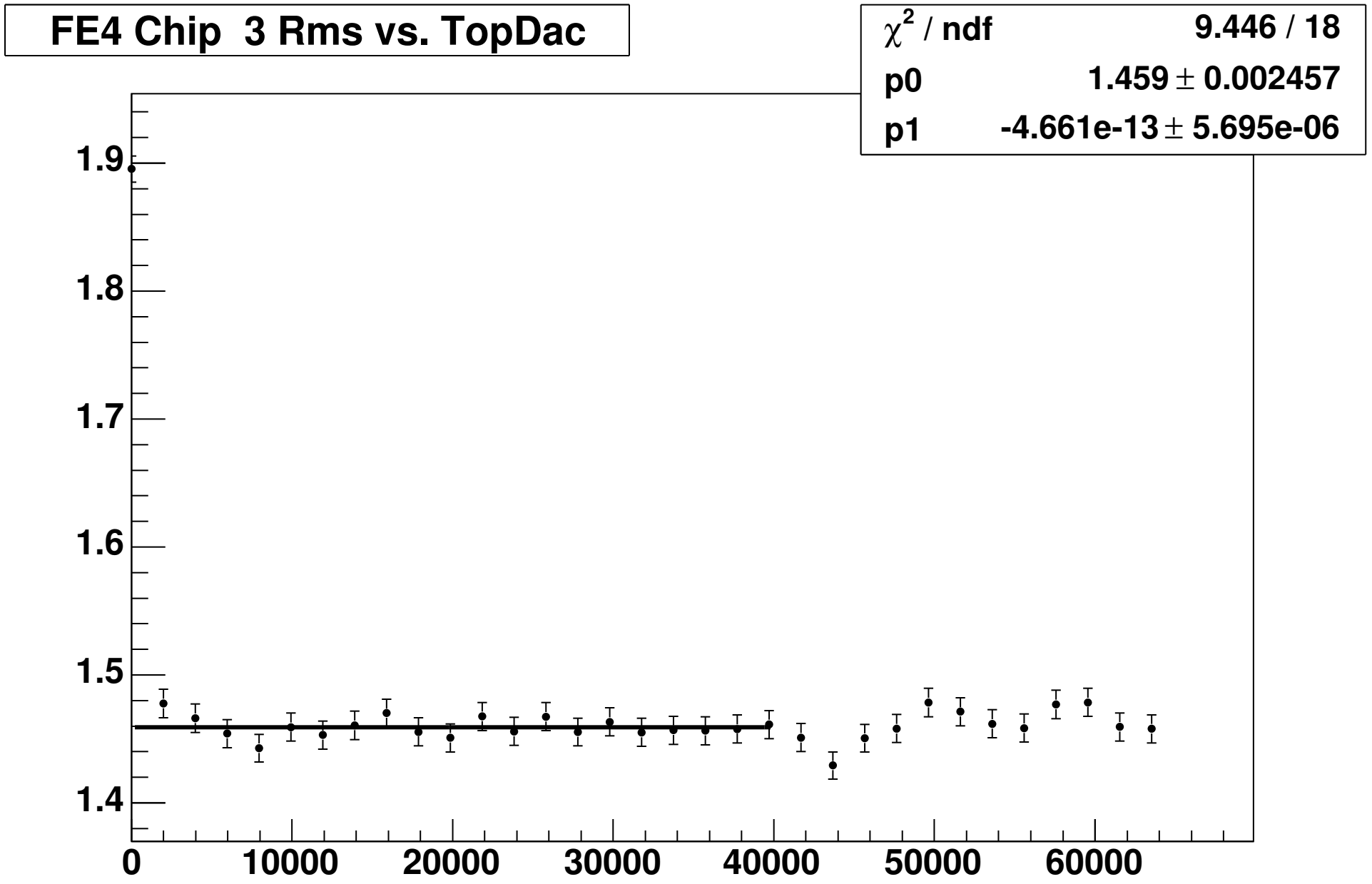
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. BotDac
χ² / ndf 523.8 / 18
p0 1.367 ± 0.003944
p1 3.295e-05 ± 2.877e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Mean vs. TopDac
χ² / ndf 55.54 / 18
p0 164.9 ± 0.007207
p1 -4.452e-07 ± 3.03e-07
165
164.95
164.9
164.85
164.8
164.75
0
10000
20000
30000
40000
50000
60000


FE4 Chip 3 Rms vs. TopDac
χ² / ndf 9.446 / 18
p0 1.459 ± 0.002457
p1 -4.661e-13 ± 5.695e-06
1.9
1.8
1.7
1.6
1.5
1.4
0
10000
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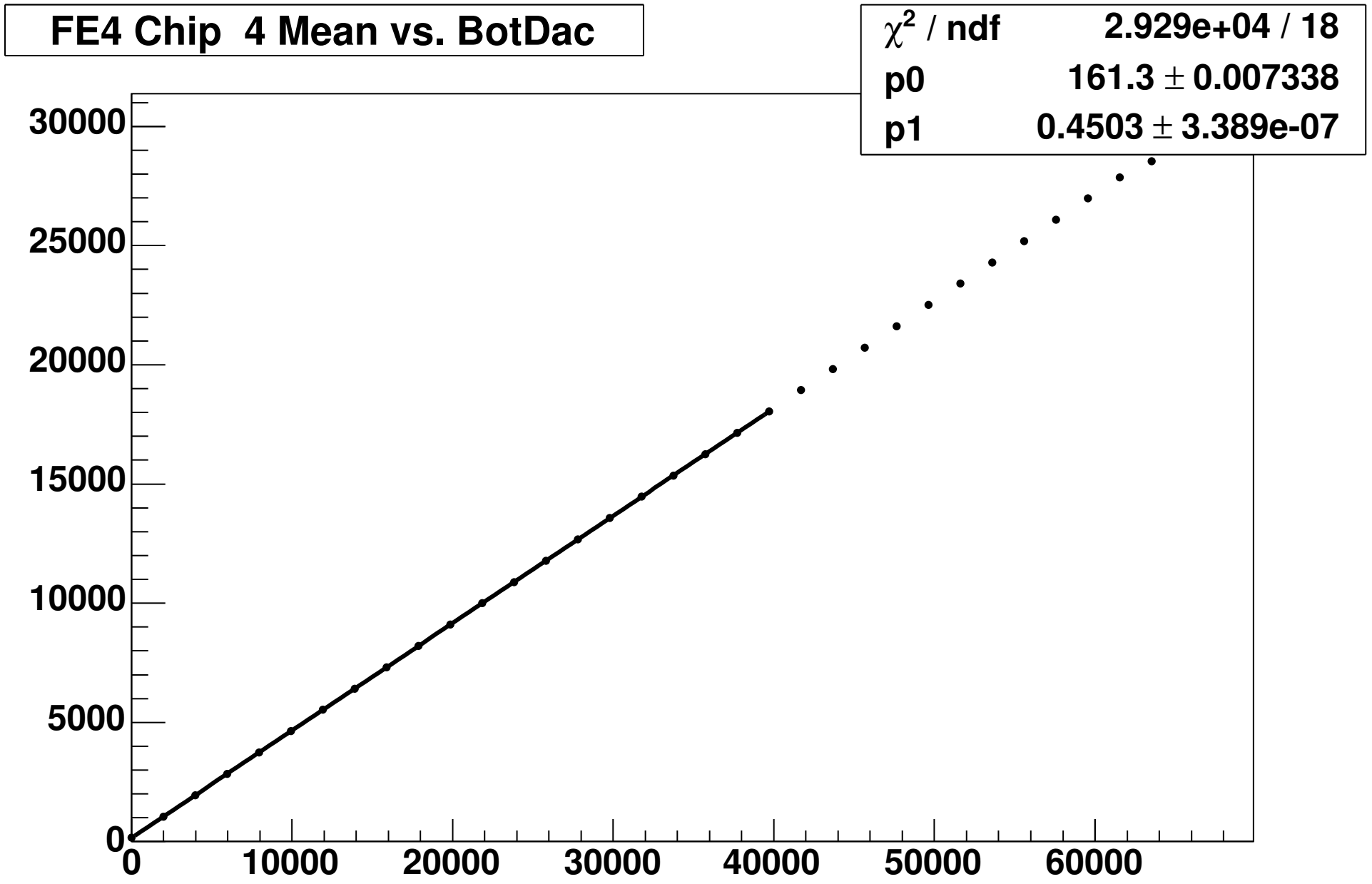
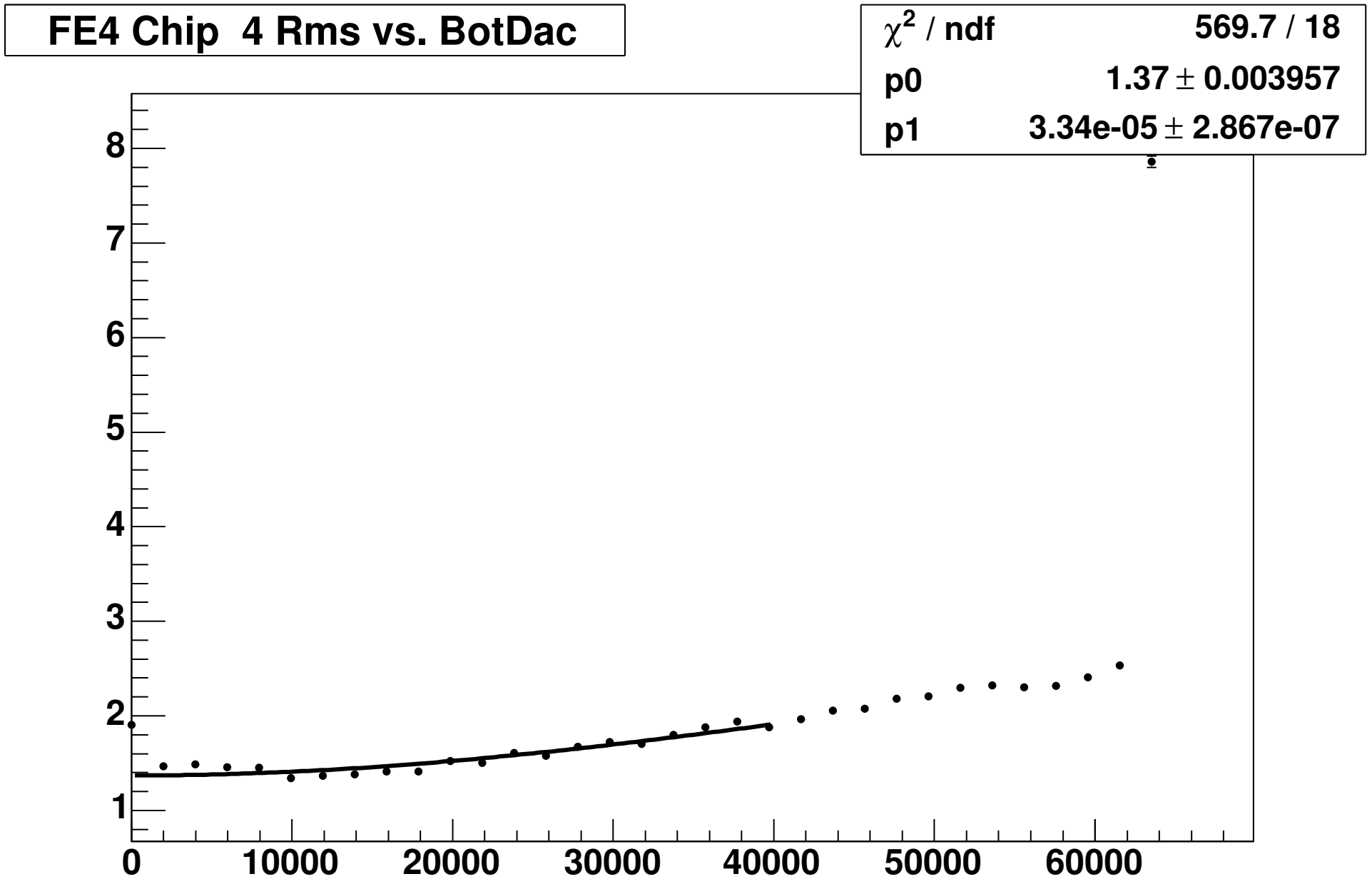
30000
40000
50000
60000


FE4 Chip 4 Mean vs. BotDac
χ² / ndf 2.929e+04 / 18
p0 161.3 ± 0.007338
p1 0.4503 ± 3.389e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 4 Rms vs. BotDac
χ² / ndf 569.7 / 18
p0 1.37 ± 0.003957
p1 3.34e-05 ± 2.867e-07
8
7
6
5
4
3
2
1
0
10000
20000
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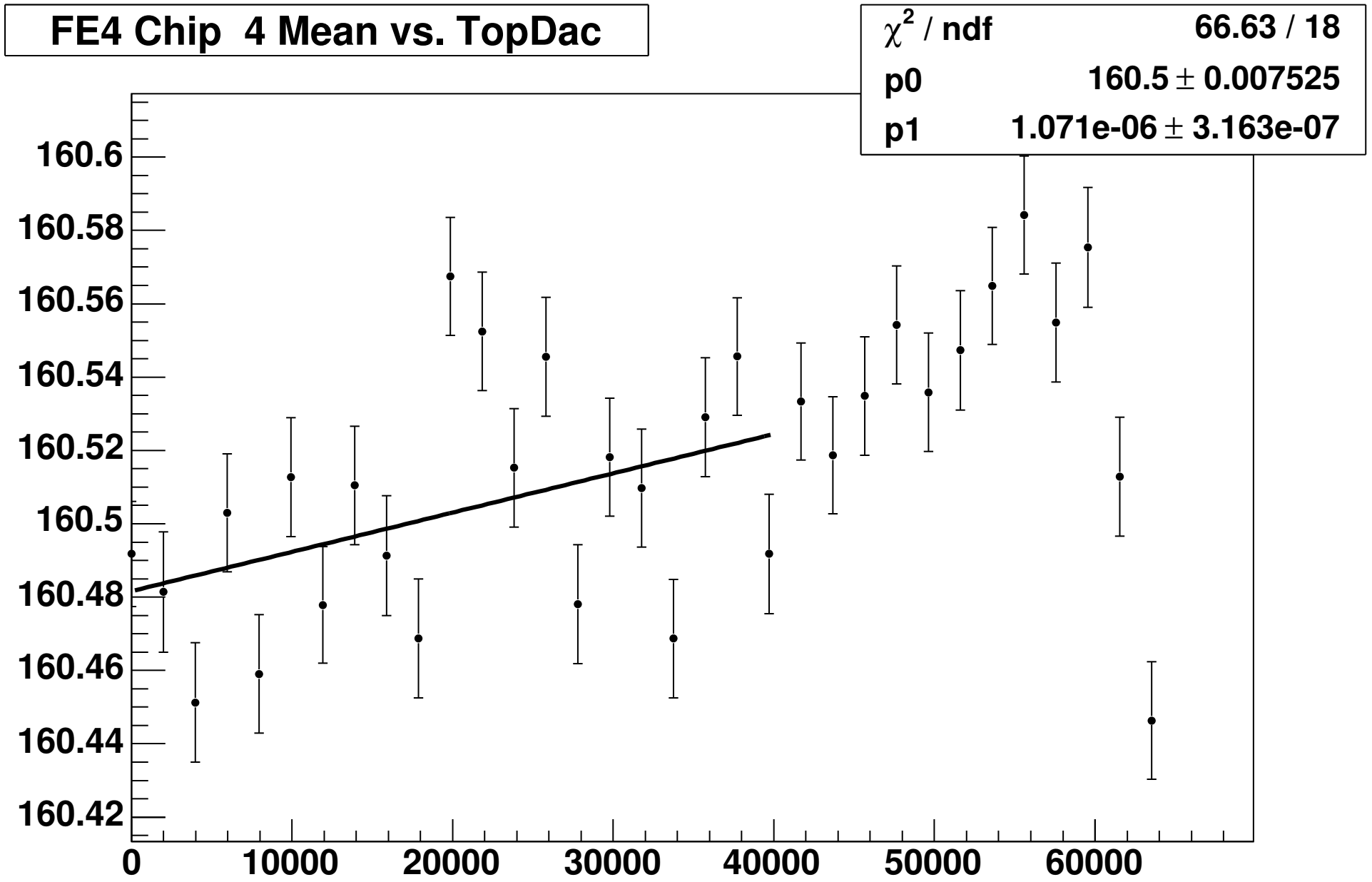
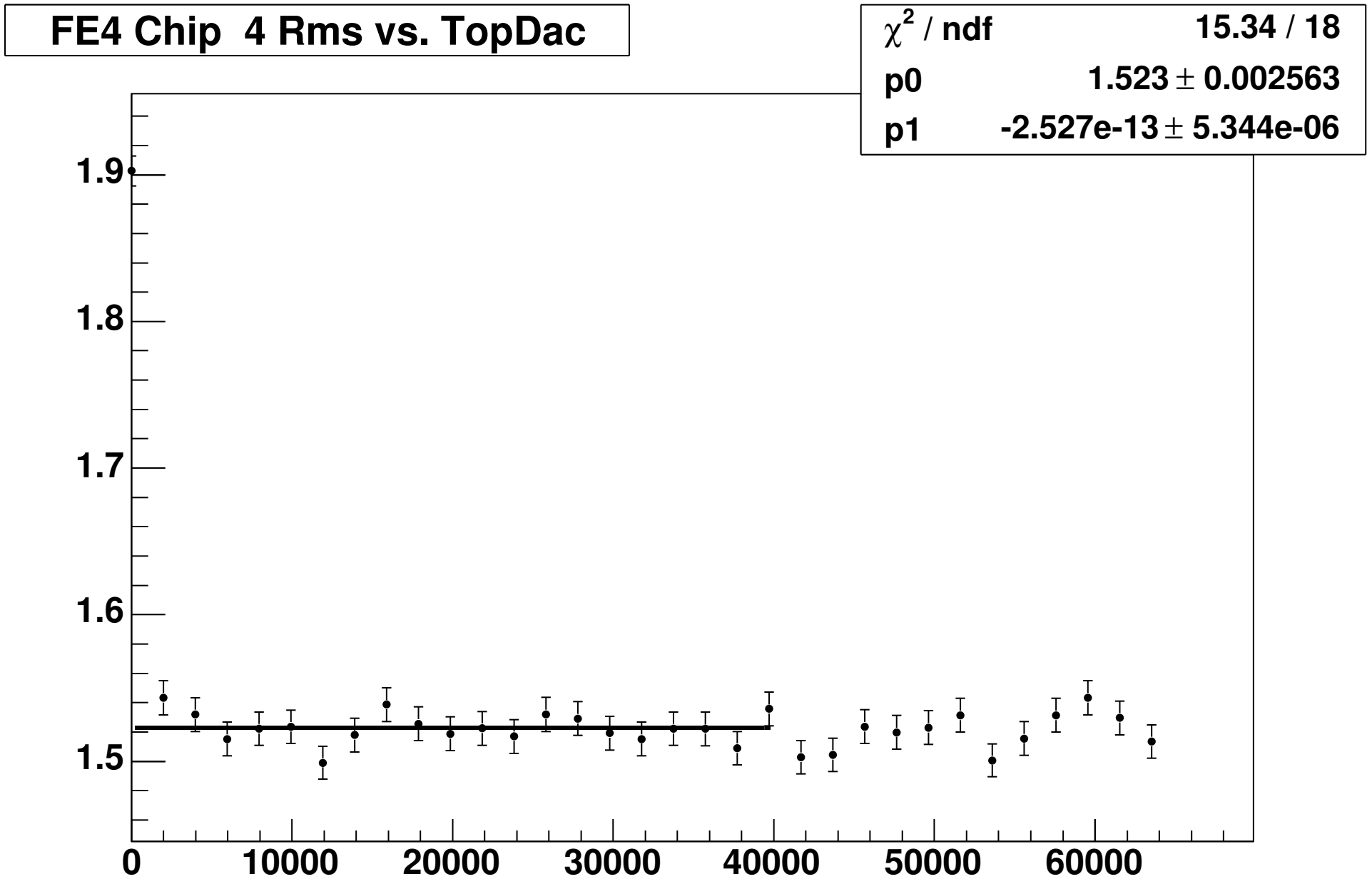
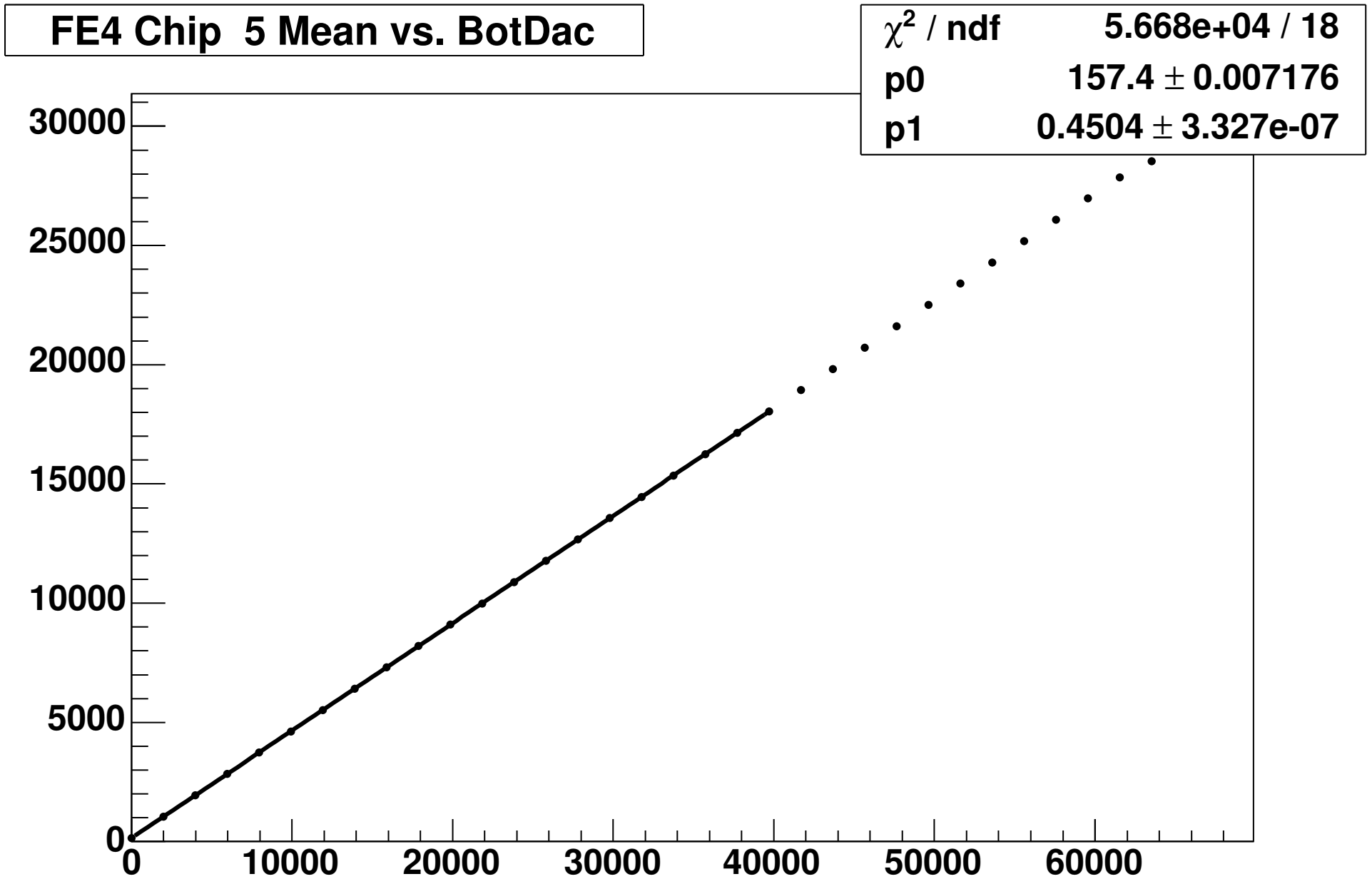
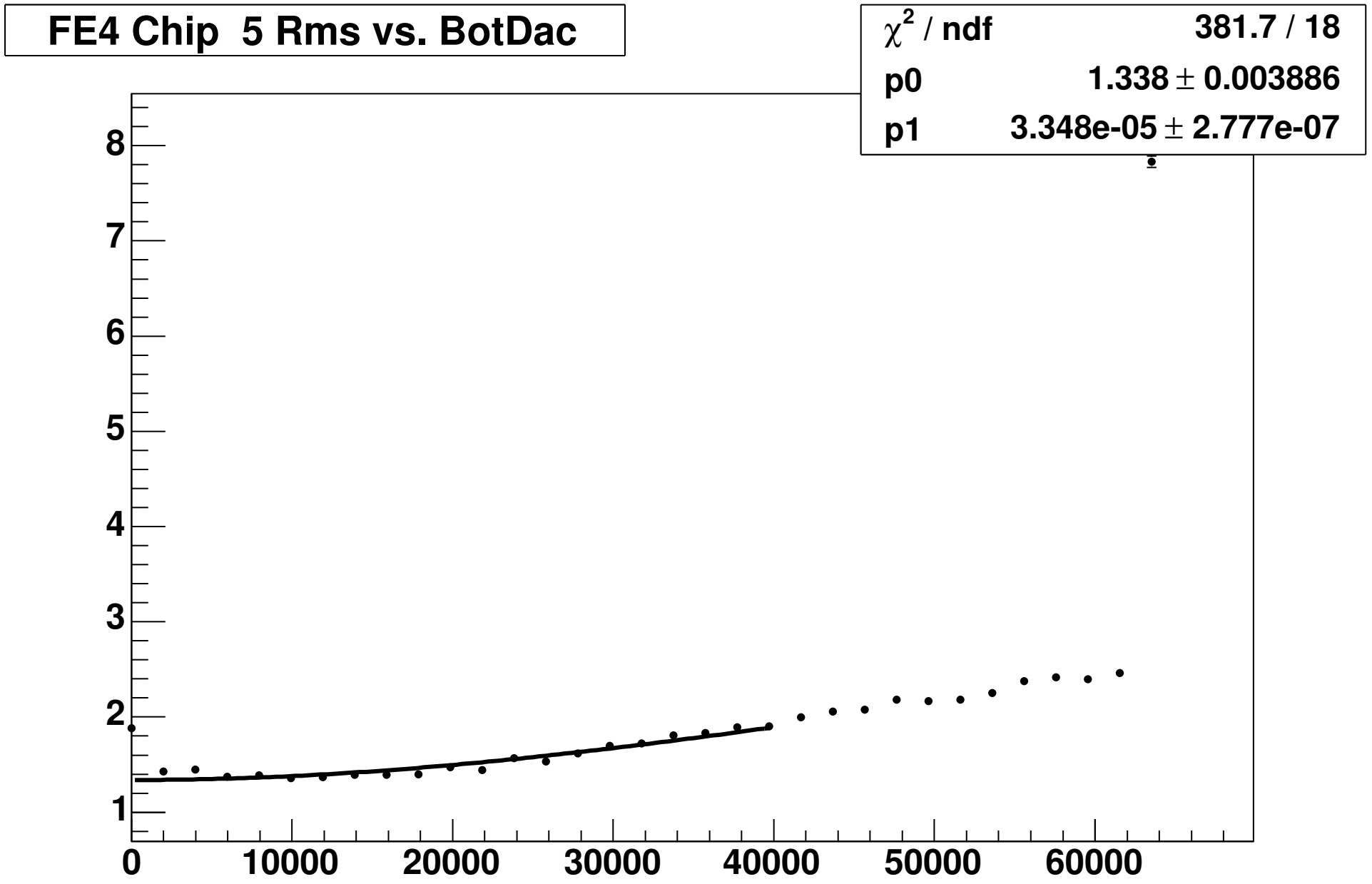
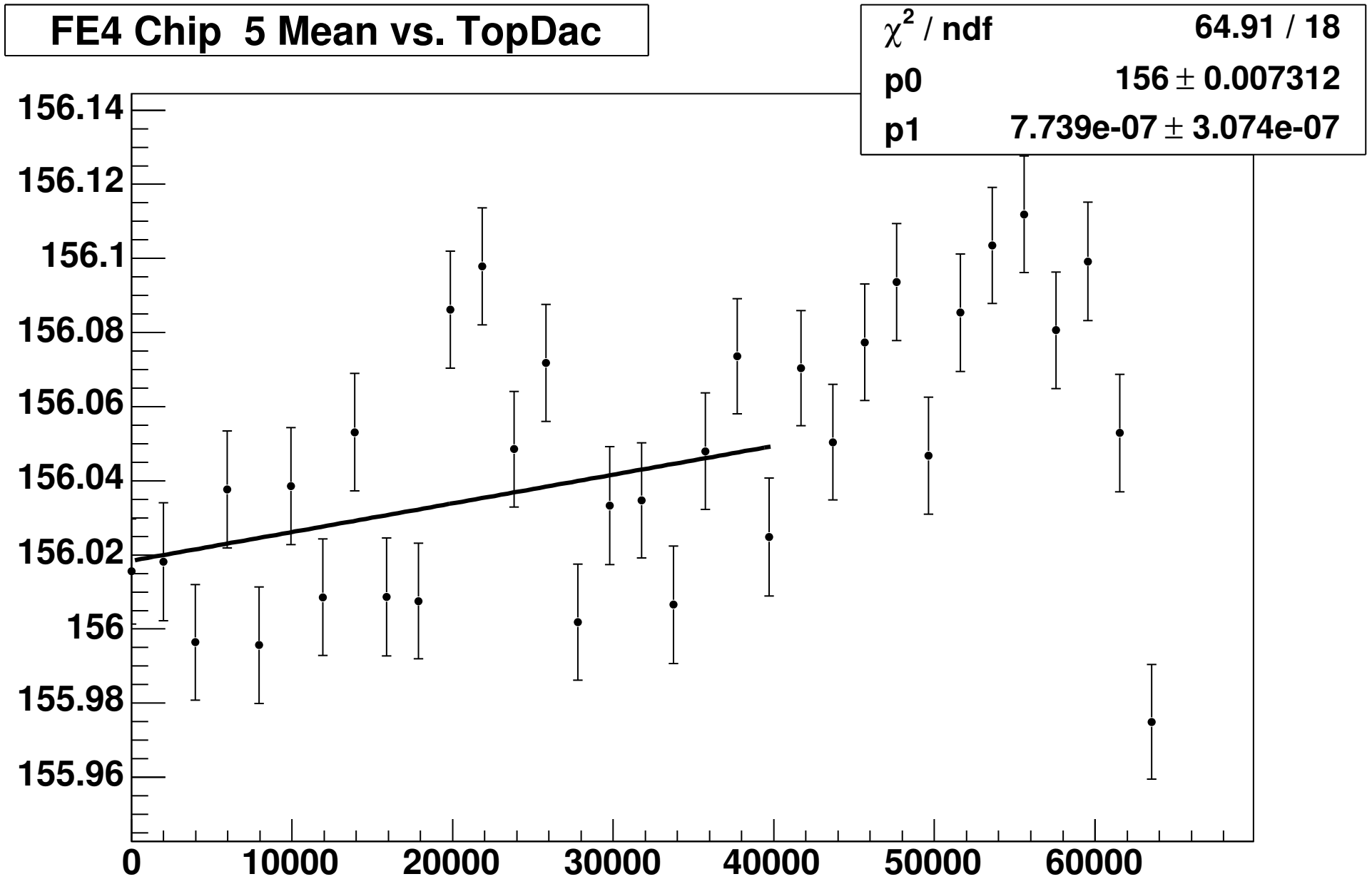
40000
50000
60000

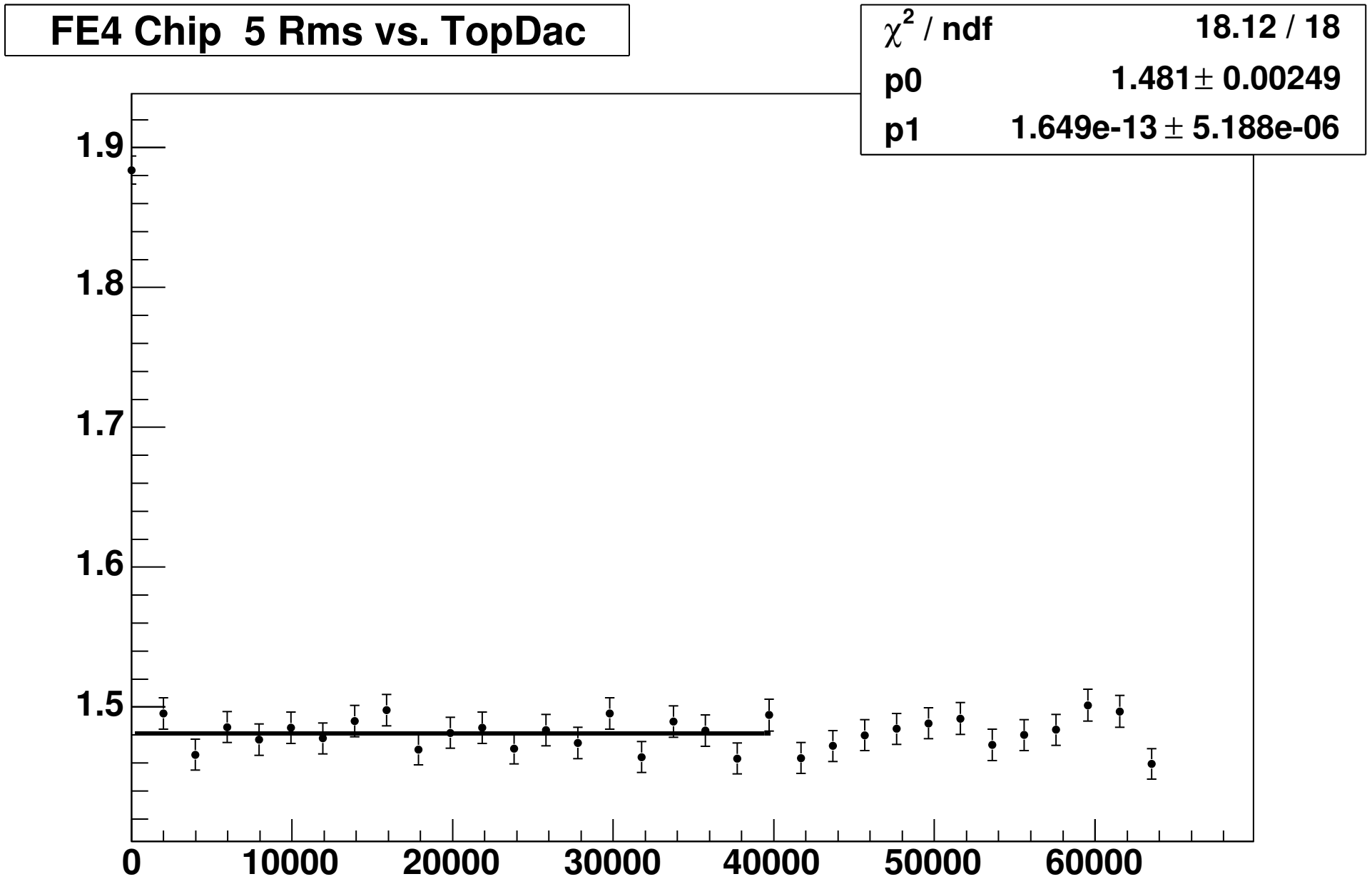

FE4 Chip 4 Mean vs. TopDac
χ² / ndf 66.63 / 18
p0 160.5 ± 0.007525
p1 1.071e-06 ± 3.163e-07
160.6
160.58
160.56
160.54
160.52
160.5
160.48
160.46
160.44
160.42
0
10000
20000
30000
40000
50000
60000

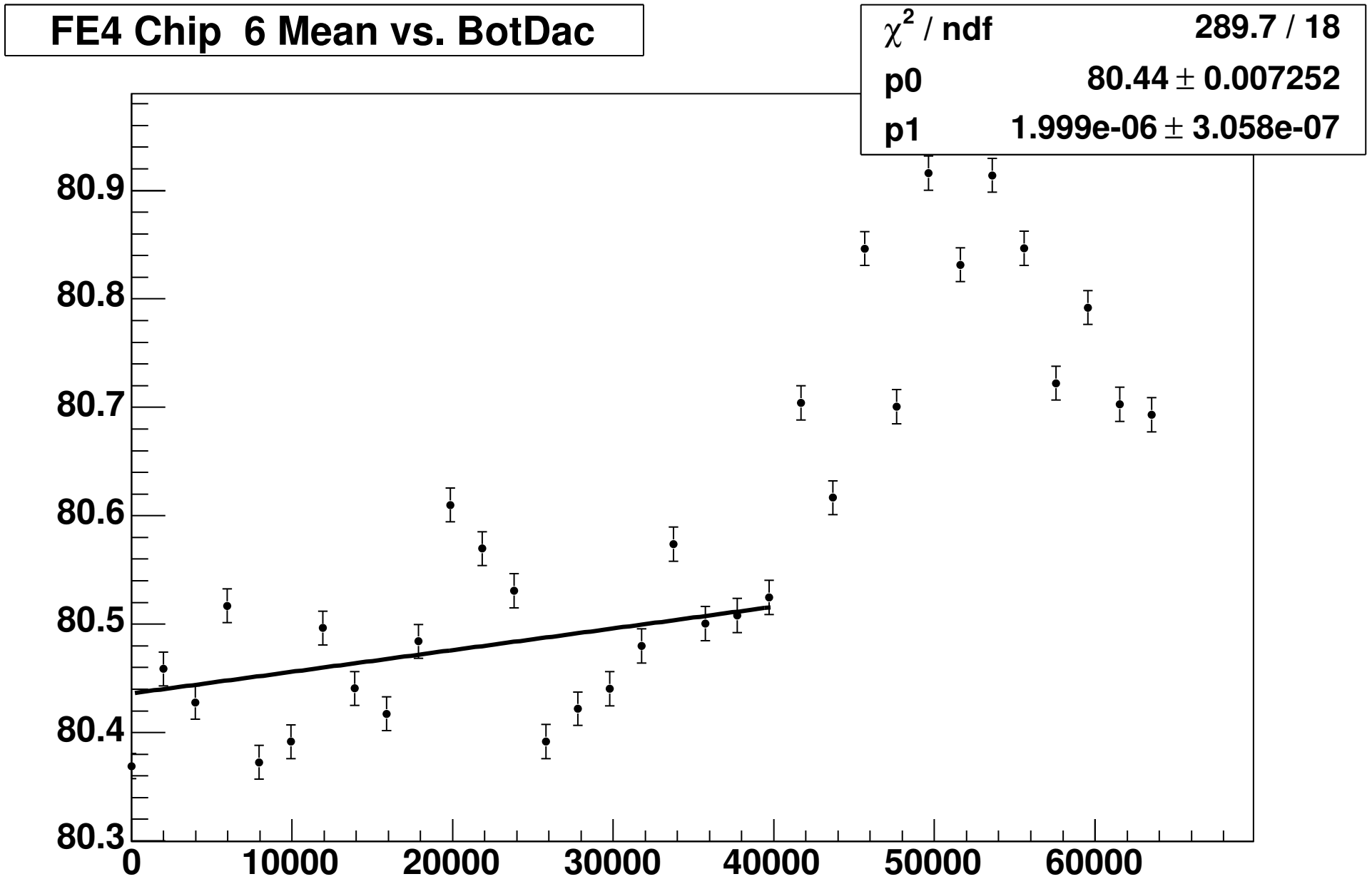

FE4 Chip 4 Rms vs. TopDac
χ² / ndf 15.34 / 18
p0 1.523 ± 0.002563
p1 -2.527e-13 ± 5.344e-06
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000

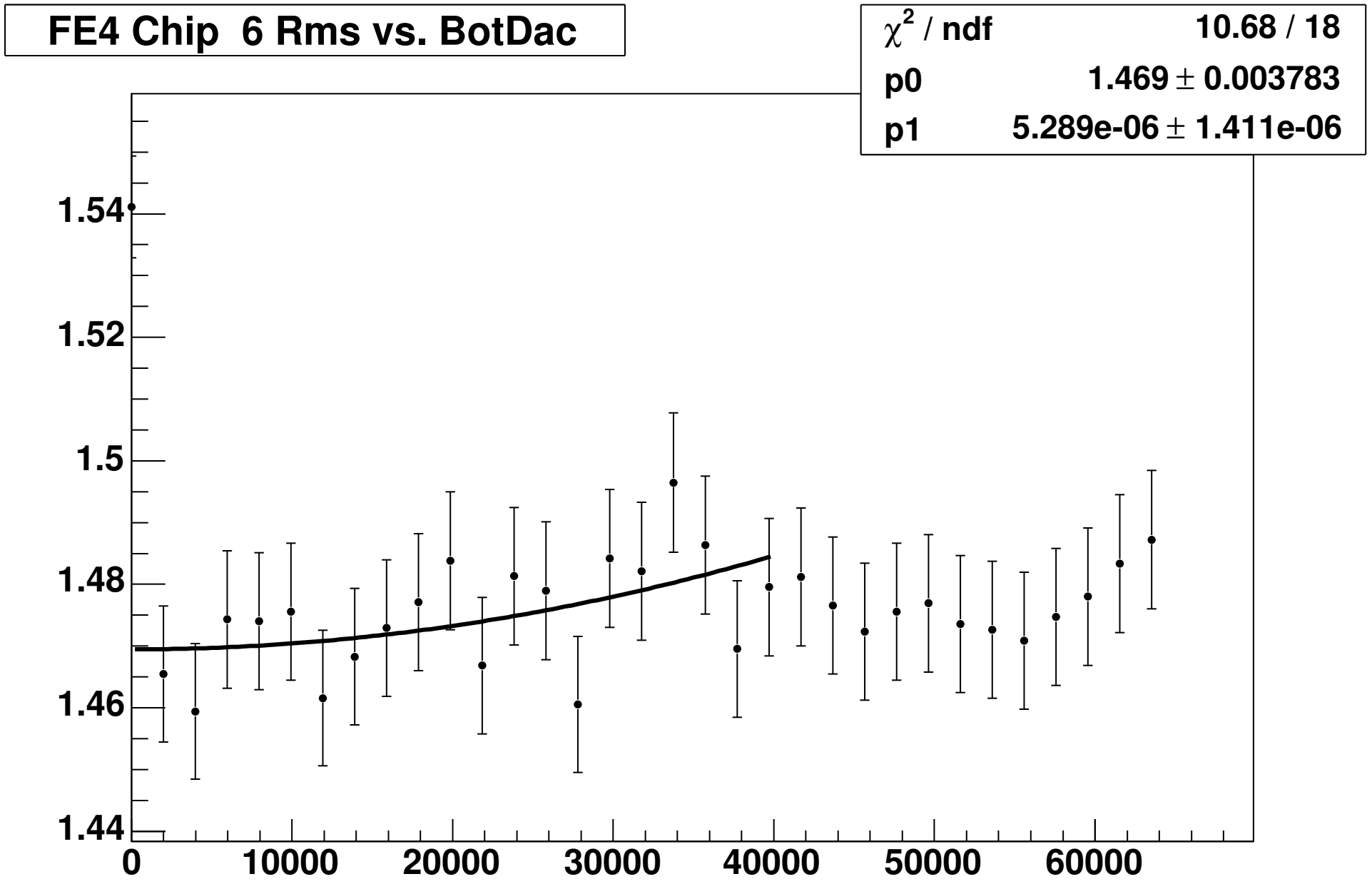

FE4 Chip 5 Mean vs. BotDac
χ² / ndf 5.668e+04 / 18
p0 157.4 ± 0.007176
p1 0.4504 ± 3.327e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

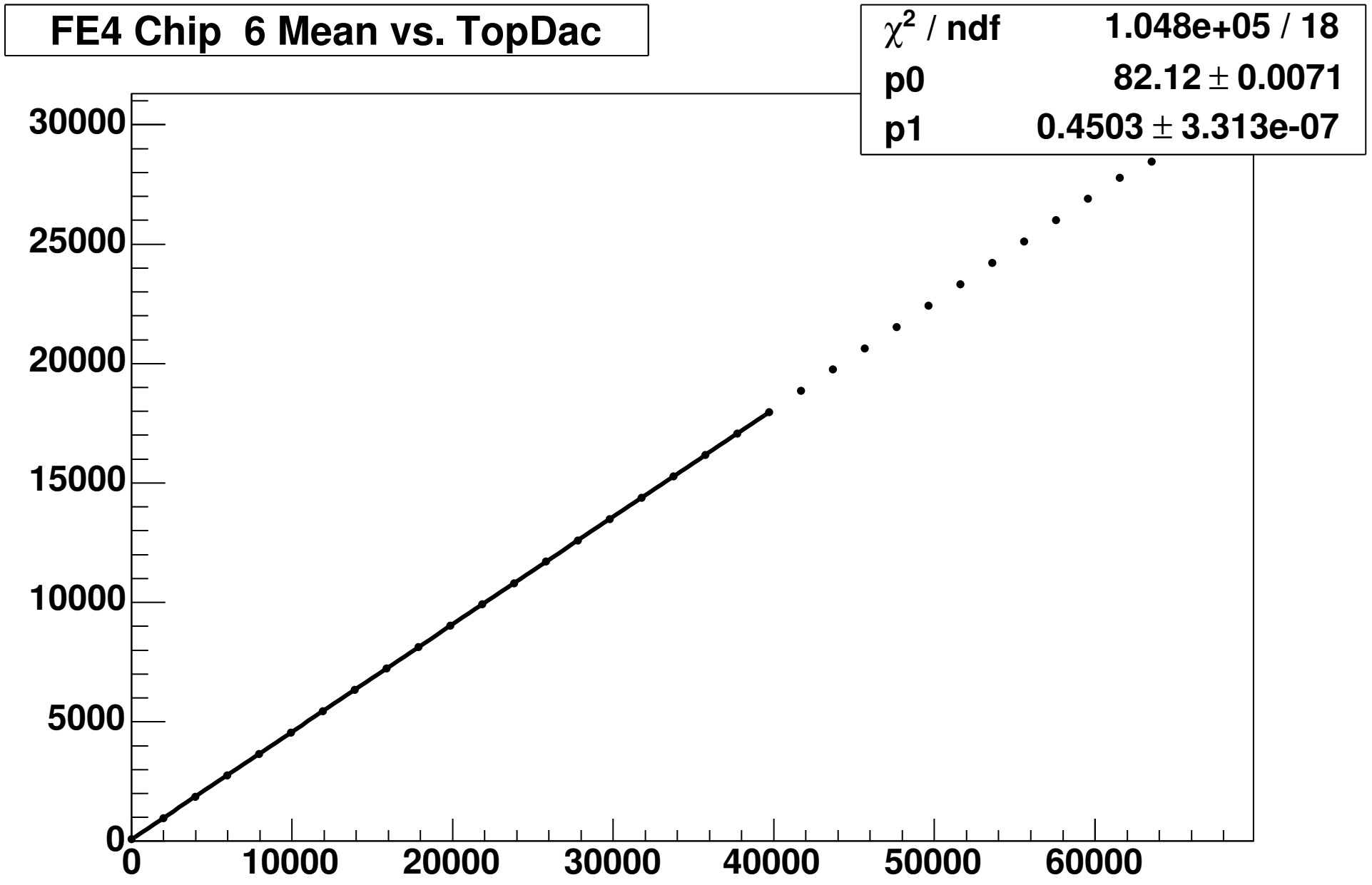

FE4 Chip 5 Rms vs. BotDac
χ² / ndf 381.7 / 18
p0 1.338 ± 0.003886
p1 3.348e-05 ± 2.777e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Mean vs. TopDac
χ² / ndf 64.91 / 18
p0 156 ± 0.007312
p1 7.739e-07 ± 3.074e-07
156.14
156.12
156.1
156.08
156.06
156.04
156.02
156
155.98
155.96
0
10000
20000
30000
40000
50000
60000


FE4 Chip 5 Rms vs. TopDac
χ² / ndf 18.12 / 18
p0 1.481 ± 0.00249
p1 1.649e-13 ± 5.188e-06
1.9
1.8
1.7
1.6
1.5
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Mean vs. BotDac
χ^2 / ndf 289.7 / 18
p0 80.44 ± 0.007252
p1 1.999e-06 ± 3.058e-07
80.9
80.8
80.7
80.6
80.5
80.4
80.3
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. BotDac
χ² / ndf 10.68 / 18
p0 1.469 ± 0.003783
p1 5.289e-06 ± 1.411e-06
1.54
1.52
1.5
1.48
1.46
1.44
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Mean vs. TopDac
χ² / ndf 1.048e+05 / 18
p0 82.12 ± 0.0071
p1 0.4503 ± 3.313e-07
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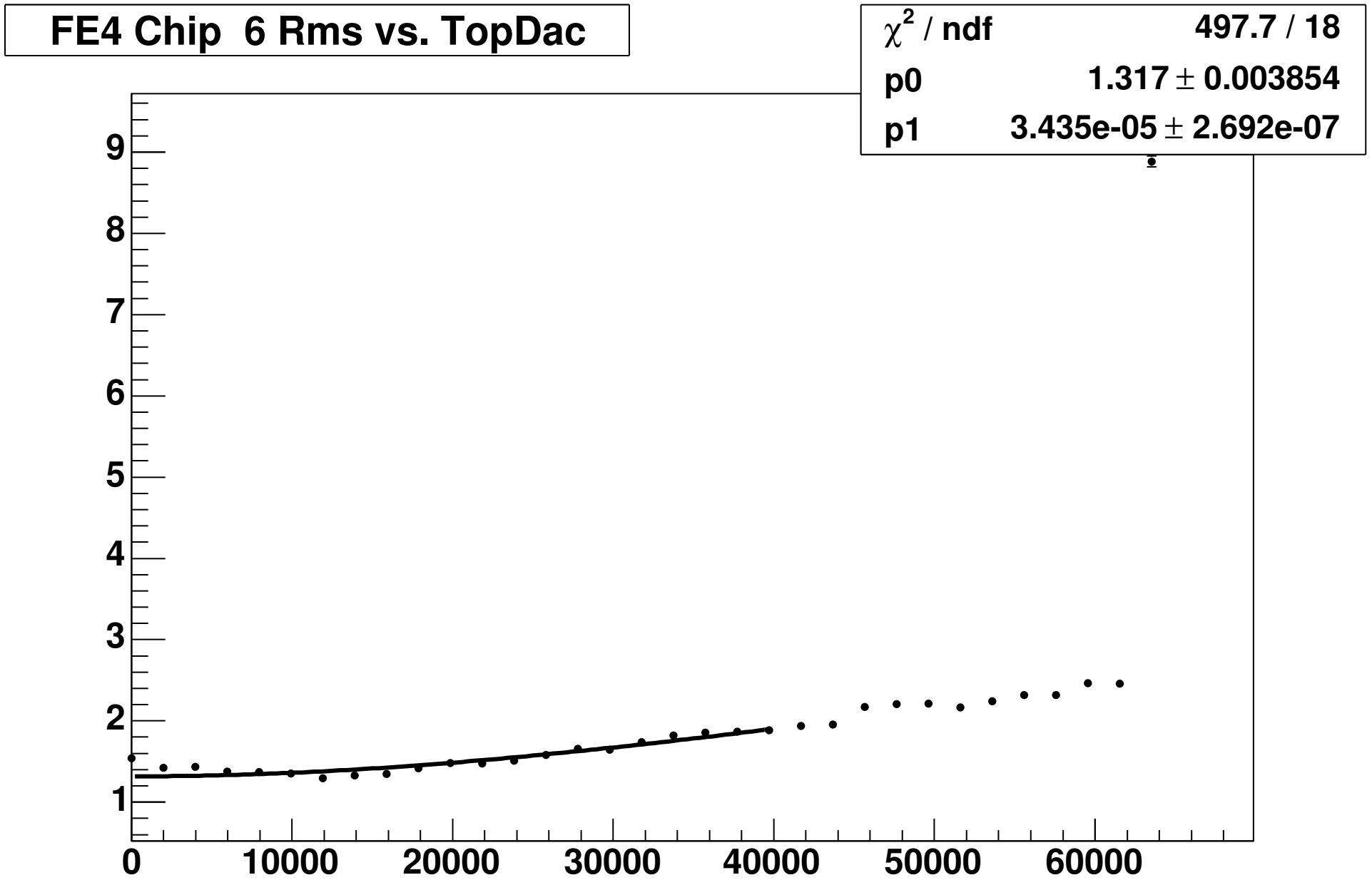
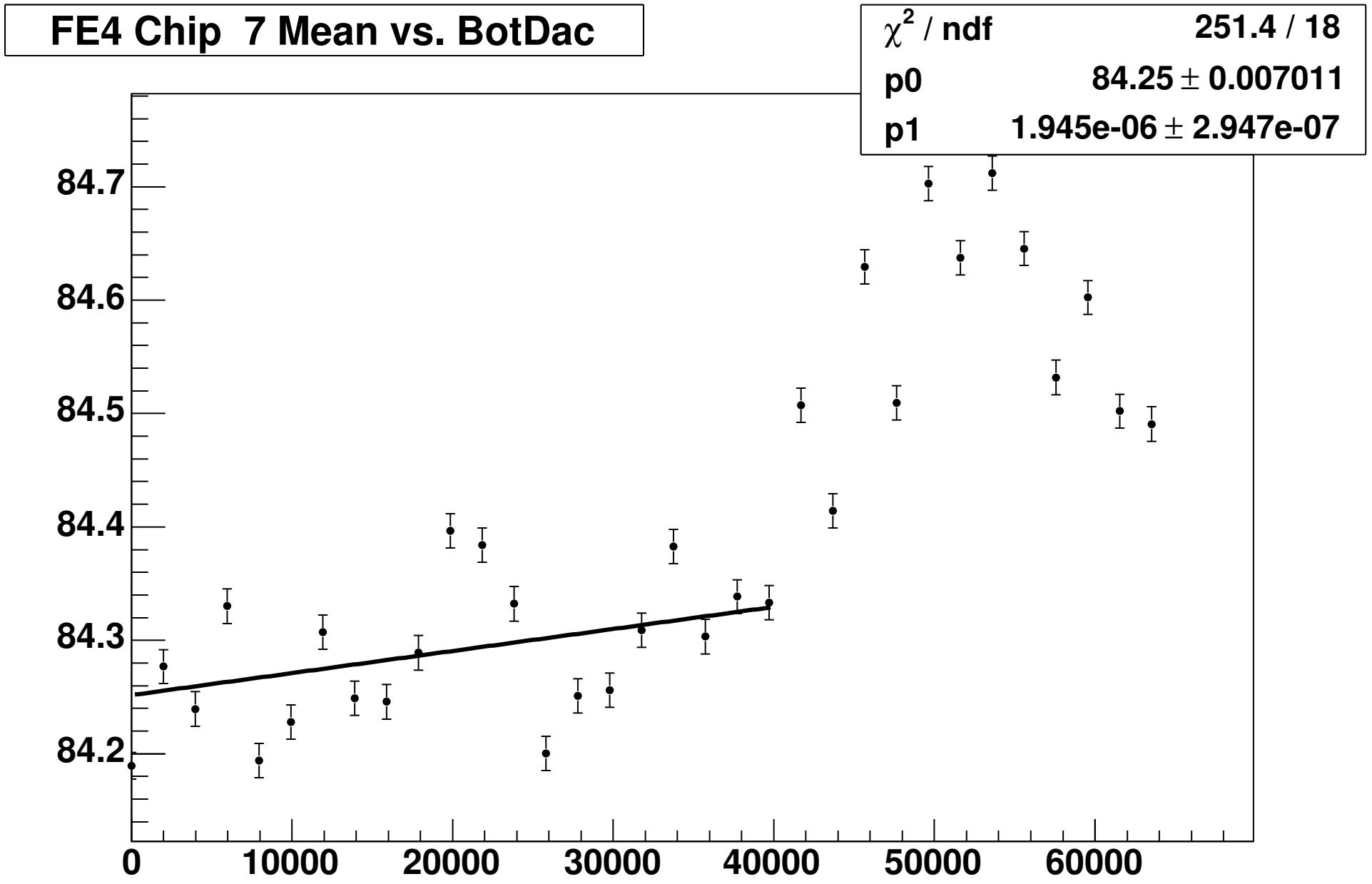
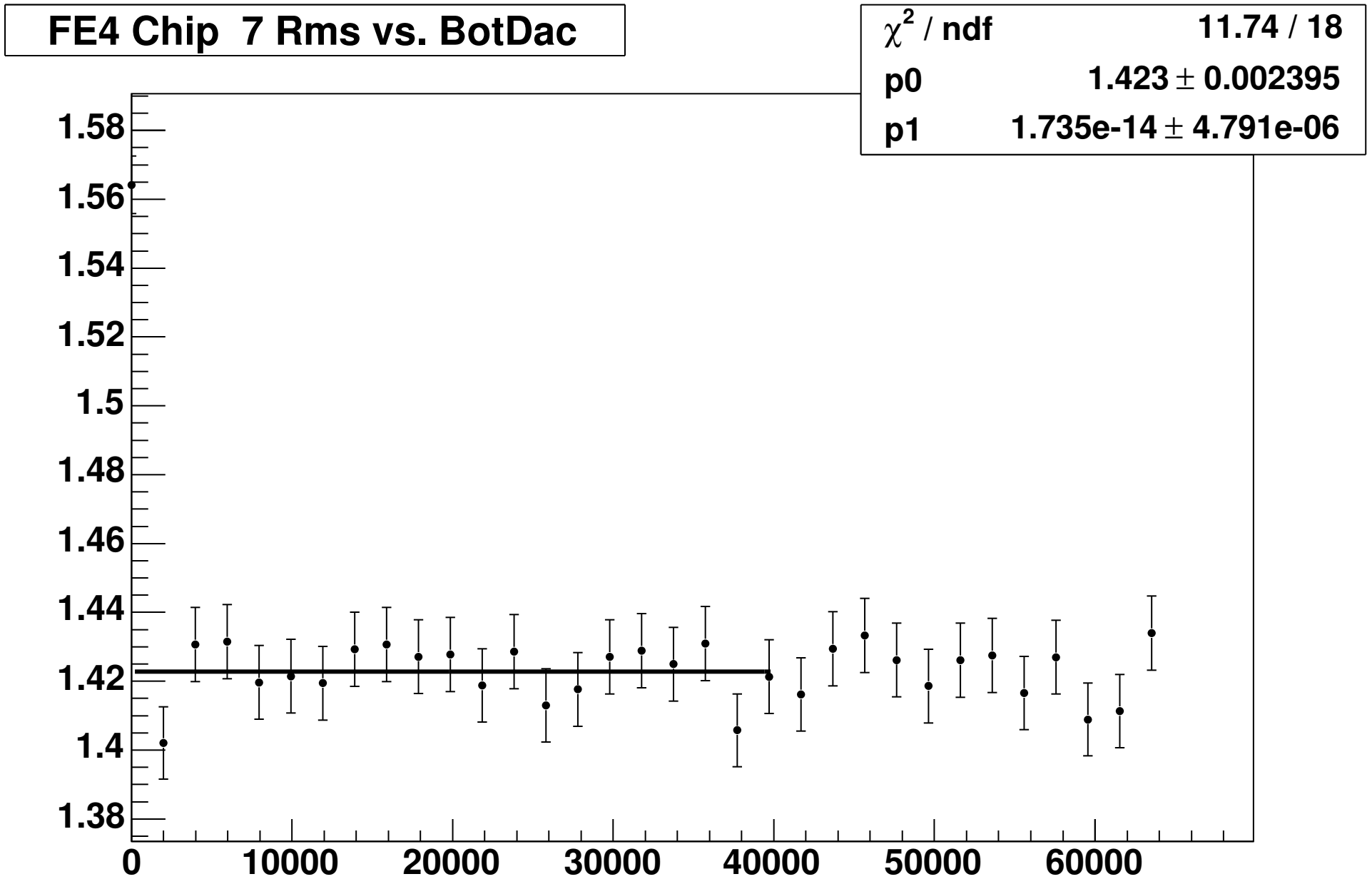
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 6 Rms vs. TopDac
χ² / ndf 497.7 / 18
p0 1.317 ± 0.003854
p1 3.435e-05 ± 2.692e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Mean vs. BotDac
χ² / ndf 251.4 / 18
p0 84.25 ± 0.007011
p1 1.945e-06 ± 2.947e-07
84.7
84.6
84.5
84.4
84.3
84.2
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. BotDac
χ² / ndf 11.74 / 18
p0 1.423 ± 0.002395
p1 1.735e-14 ± 4.791e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
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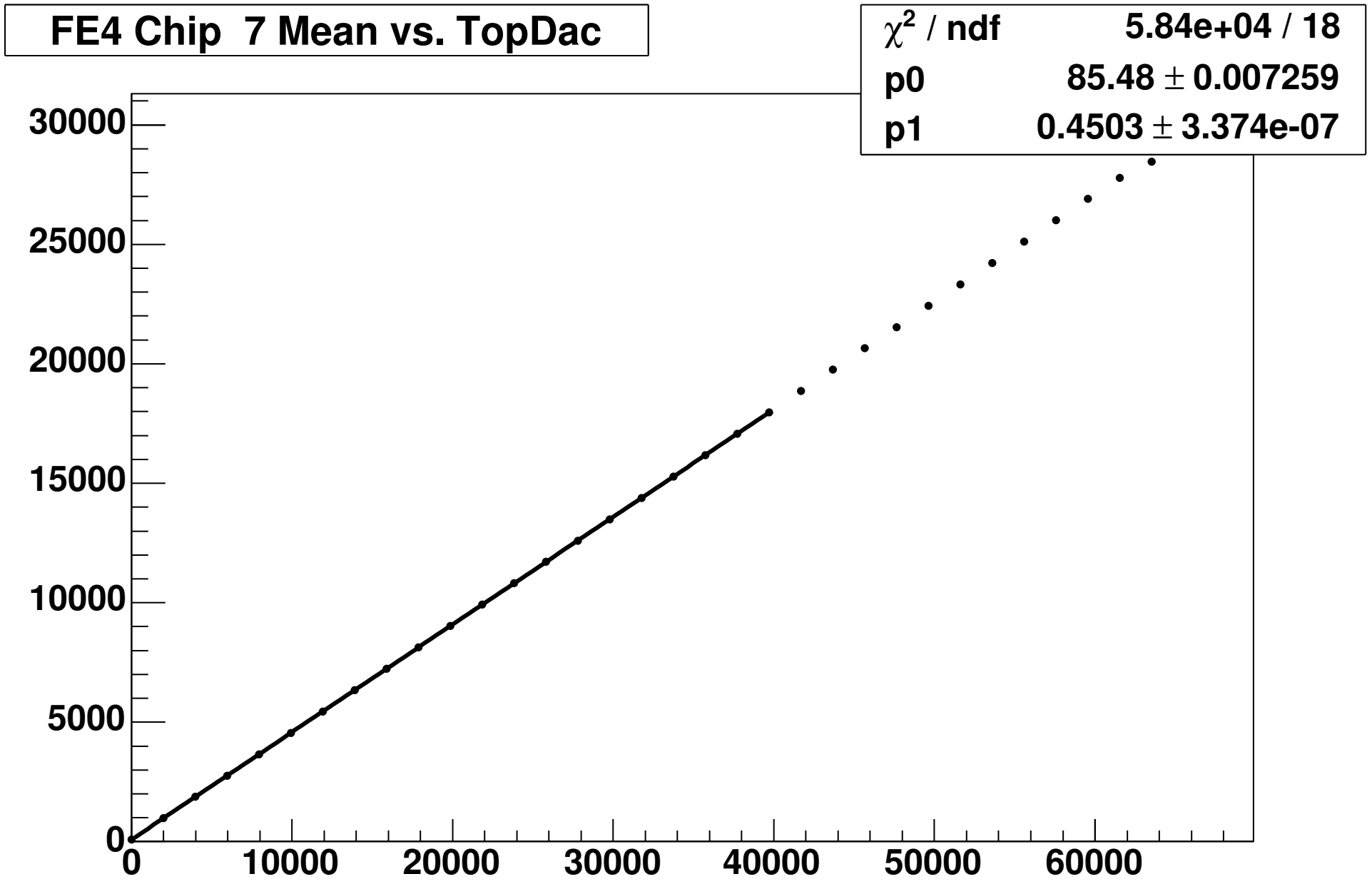
40000
50000
60000


FE4 Chip 7 Mean vs. TopDac
χ² / ndf 5.84e+04 / 18
p0 85.48 ± 0.007259
p1 0.4503 ± 3.374e-07
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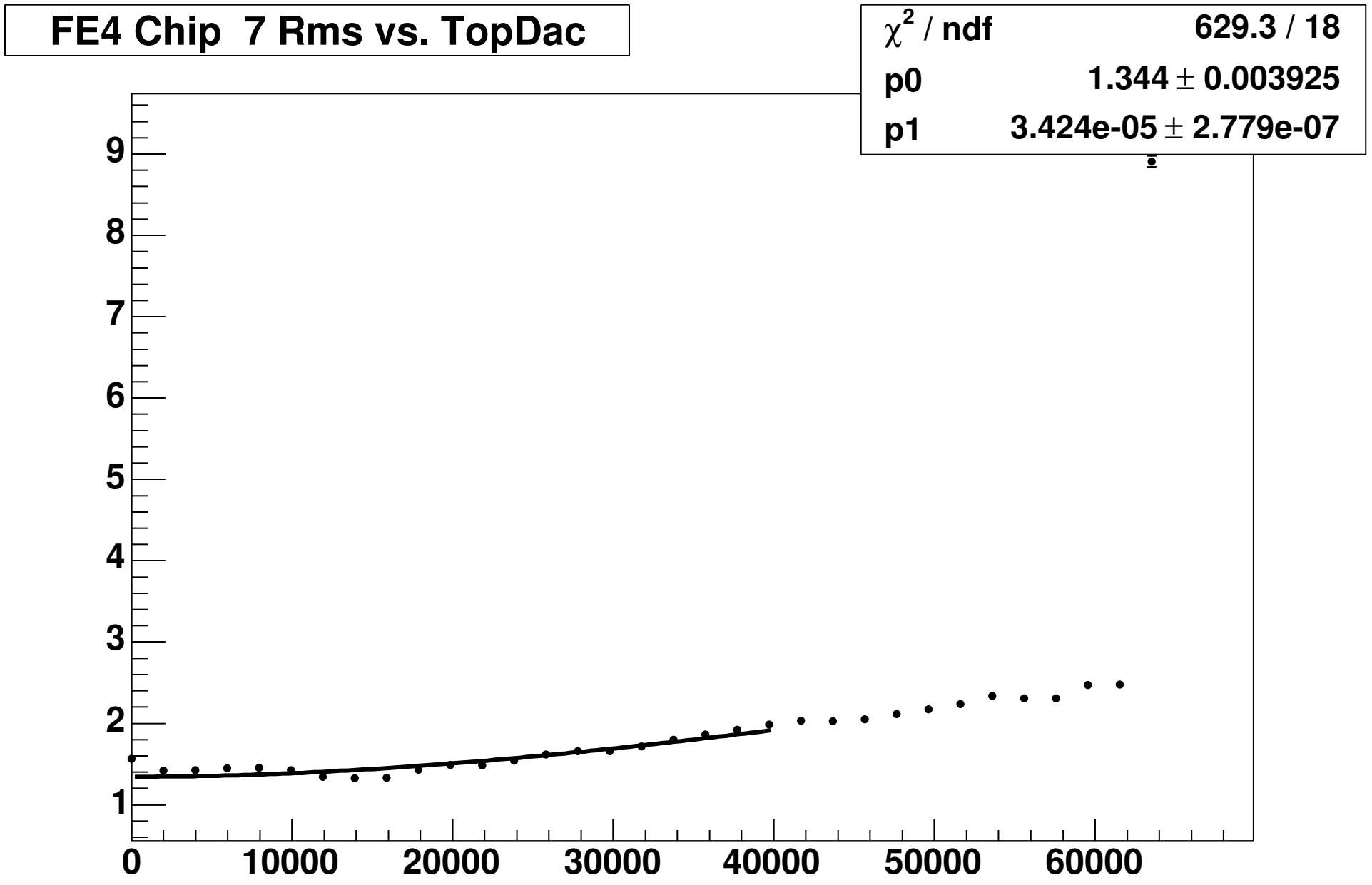
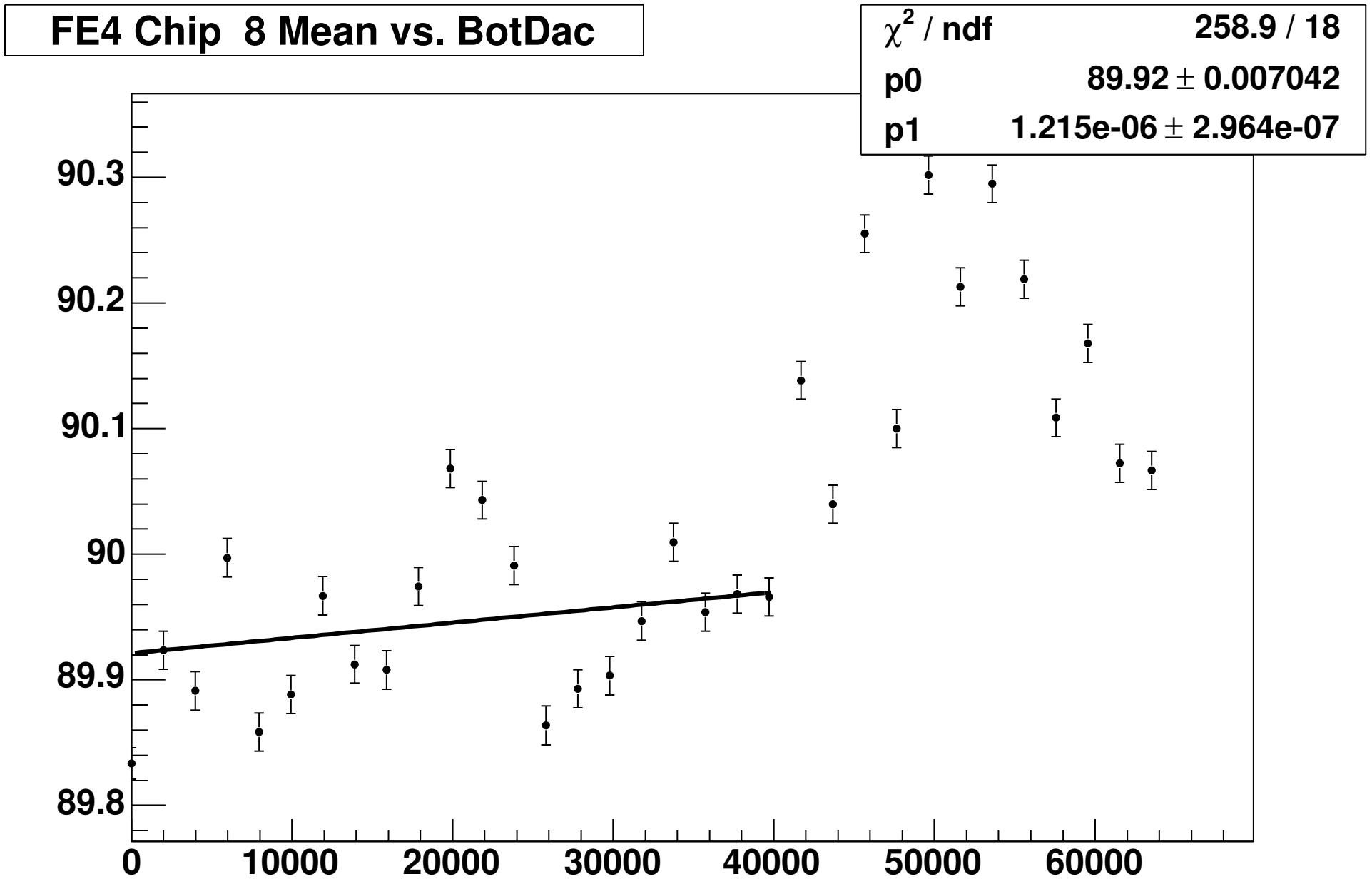
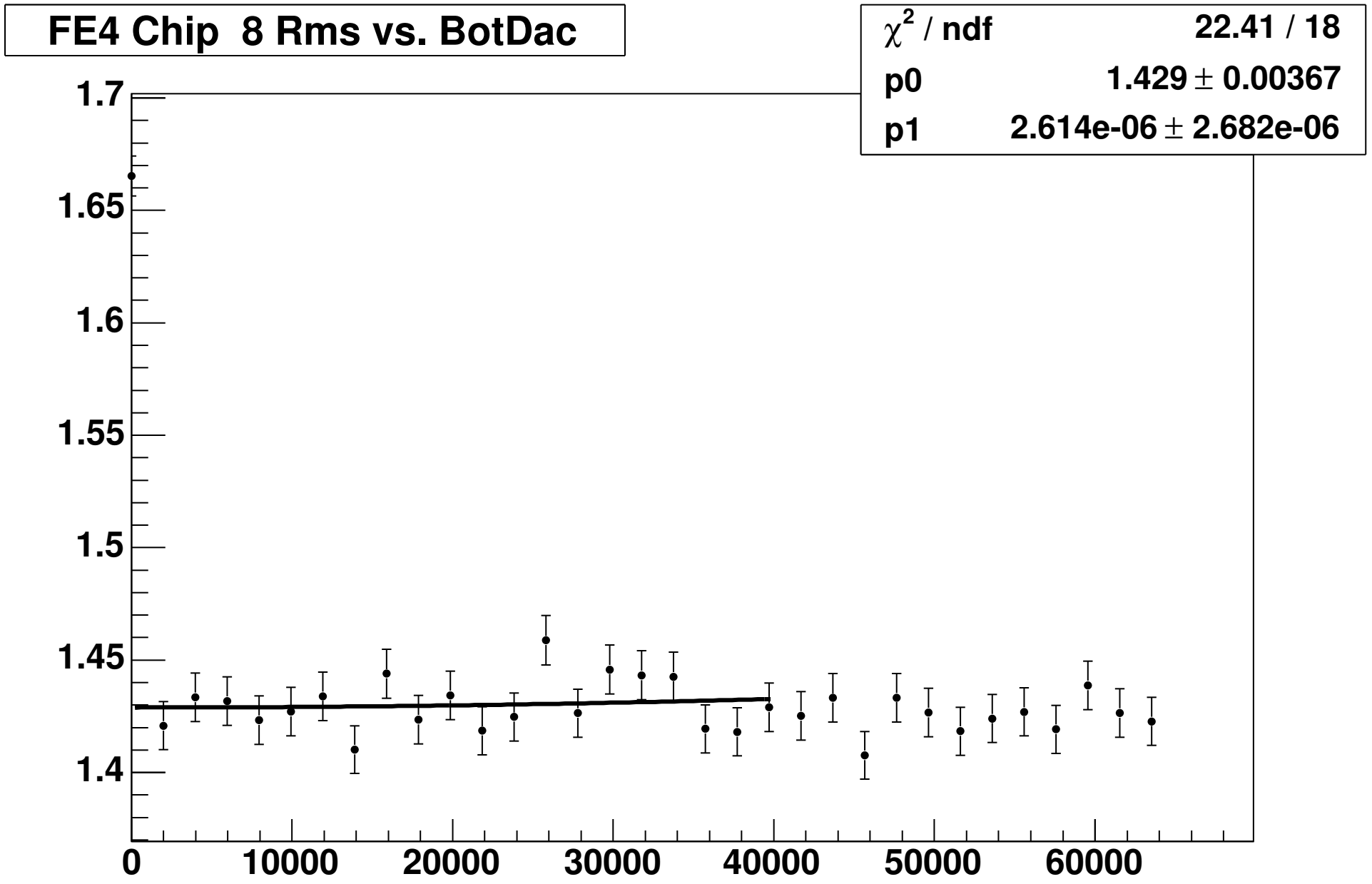
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 7 Rms vs. TopDac
χ² / ndf 629.3 / 18
p0 1.344 ± 0.003925
p1 3.424e-05 ± 2.779e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Mean vs. BotDac
χ² / ndf 258.9 / 18
p0 89.92 ± 0.007042
p1 1.215e-06 ± 2.964e-07
90.3
90.2
90.1
90
89.9
89.8
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. BotDac
χ² / ndf 22.41 / 18
p0 1.429 ± 0.00367
p1 2.614e-06 ± 2.682e-06
1.7
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
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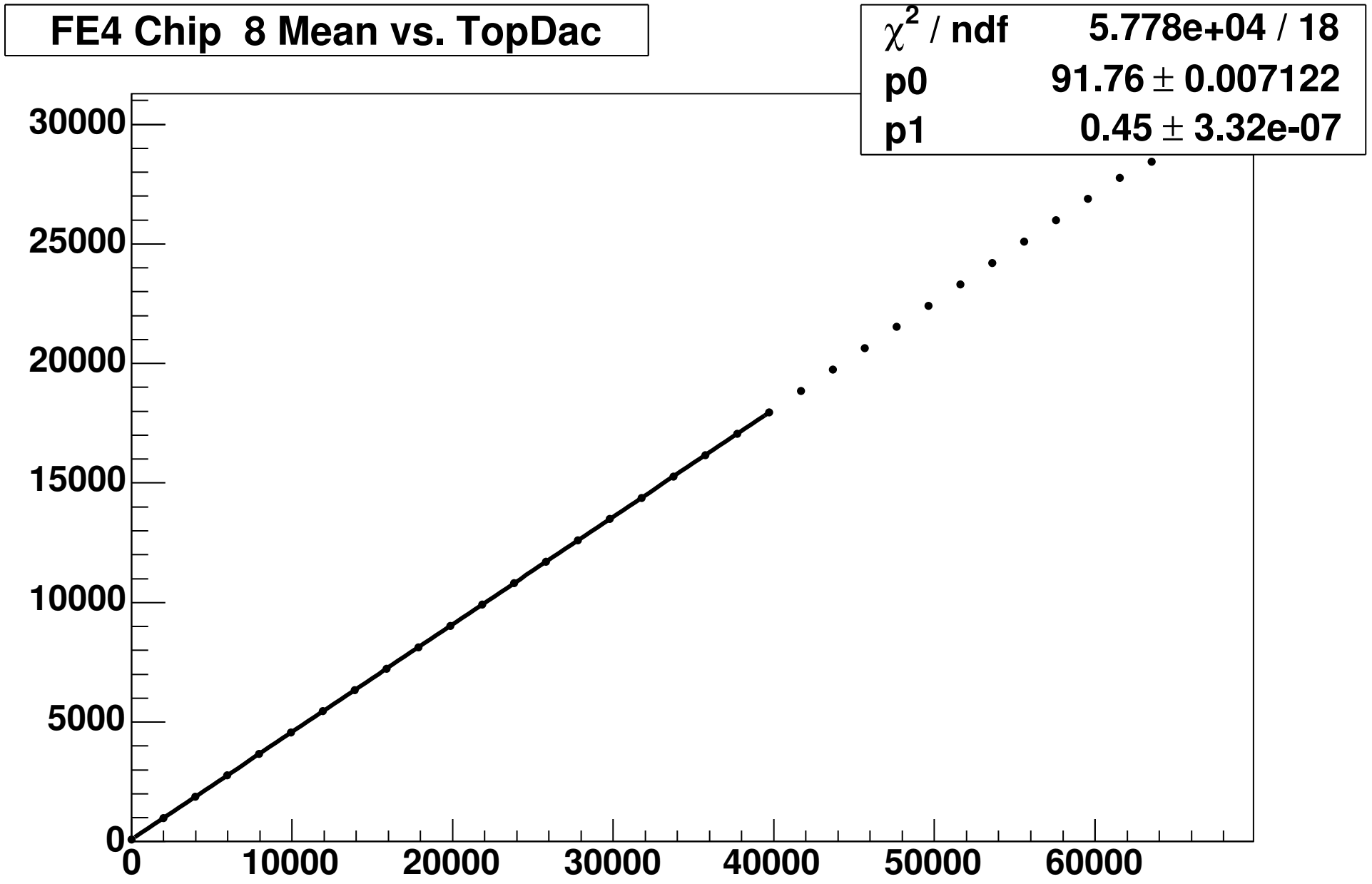
30000
40000
50000
60000


FE4 Chip 8 Mean vs. TopDac
χ² / ndf 5.778e+04 / 18
p0 91.76 ± 0.007122
p1 0.45 ± 3.32e-07
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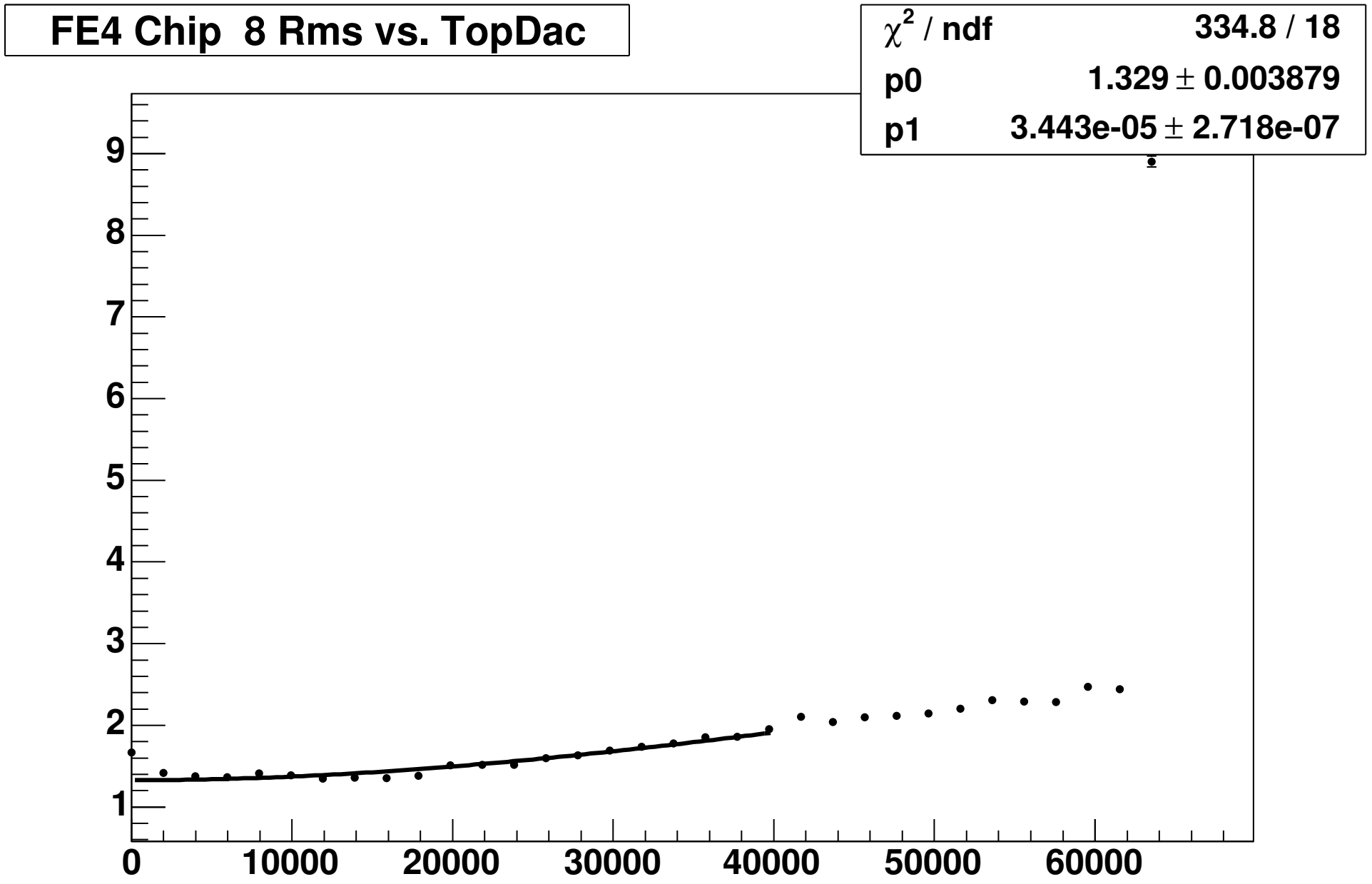
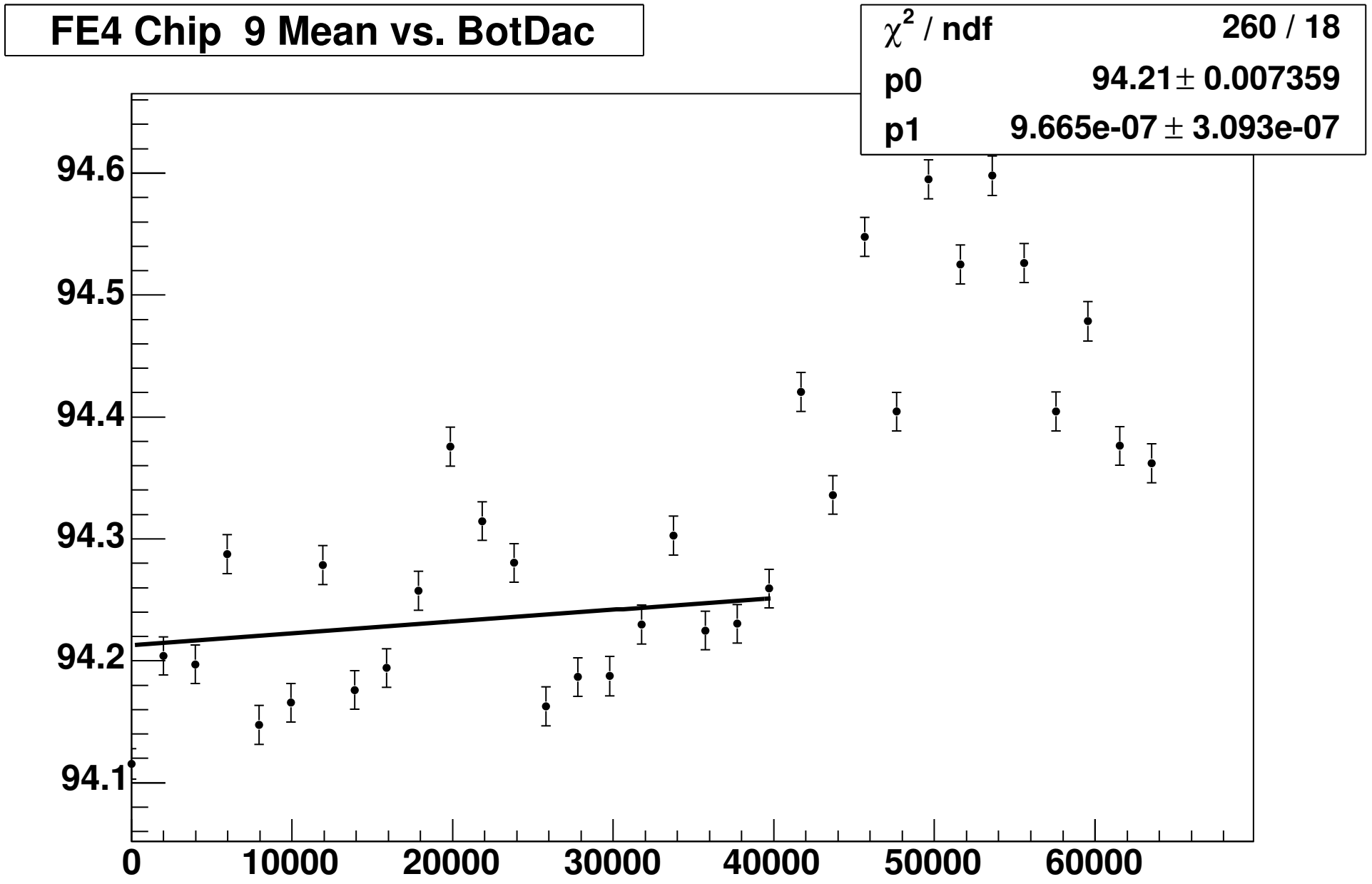
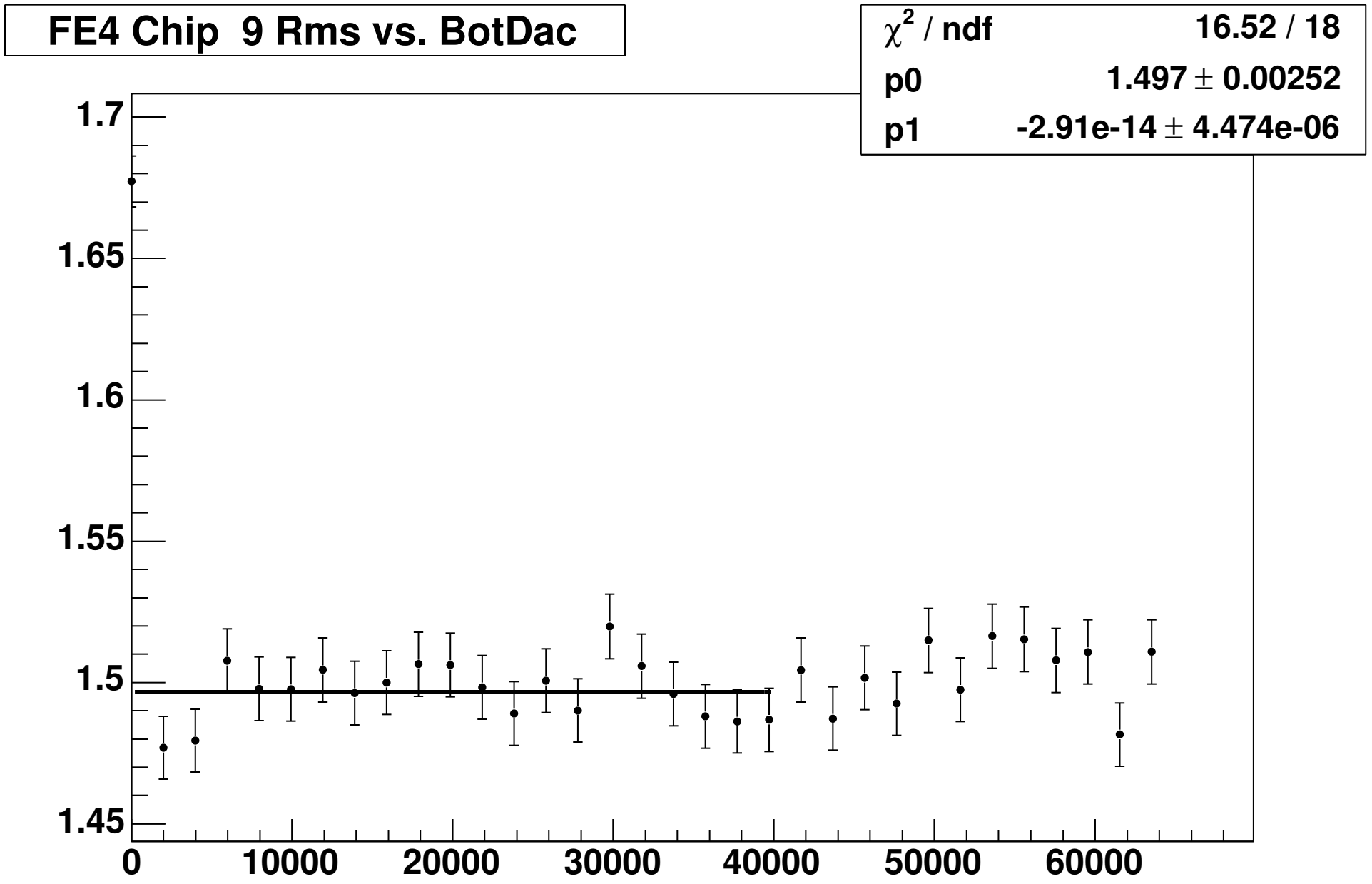
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 8 Rms vs. TopDac
χ² / ndf 334.8 / 18
p0 1.329 ± 0.003879
p1 3.443e-05 ± 2.718e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Mean vs. BotDac
χ² / ndf 260 / 18
p0 94.21 ± 0.007359
p1 9.665e-07 ± 3.093e-07
94.6
94.5
94.4
94.3
94.2
94.1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. BotDac
χ² / ndf 16.52 / 18
p0 1.497 ± 0.00252
p1 -2.91e-14 ± 4.474e-06
1.7
1.65
1.6
1.55
1.5
1.45
0
10000
20000
30000
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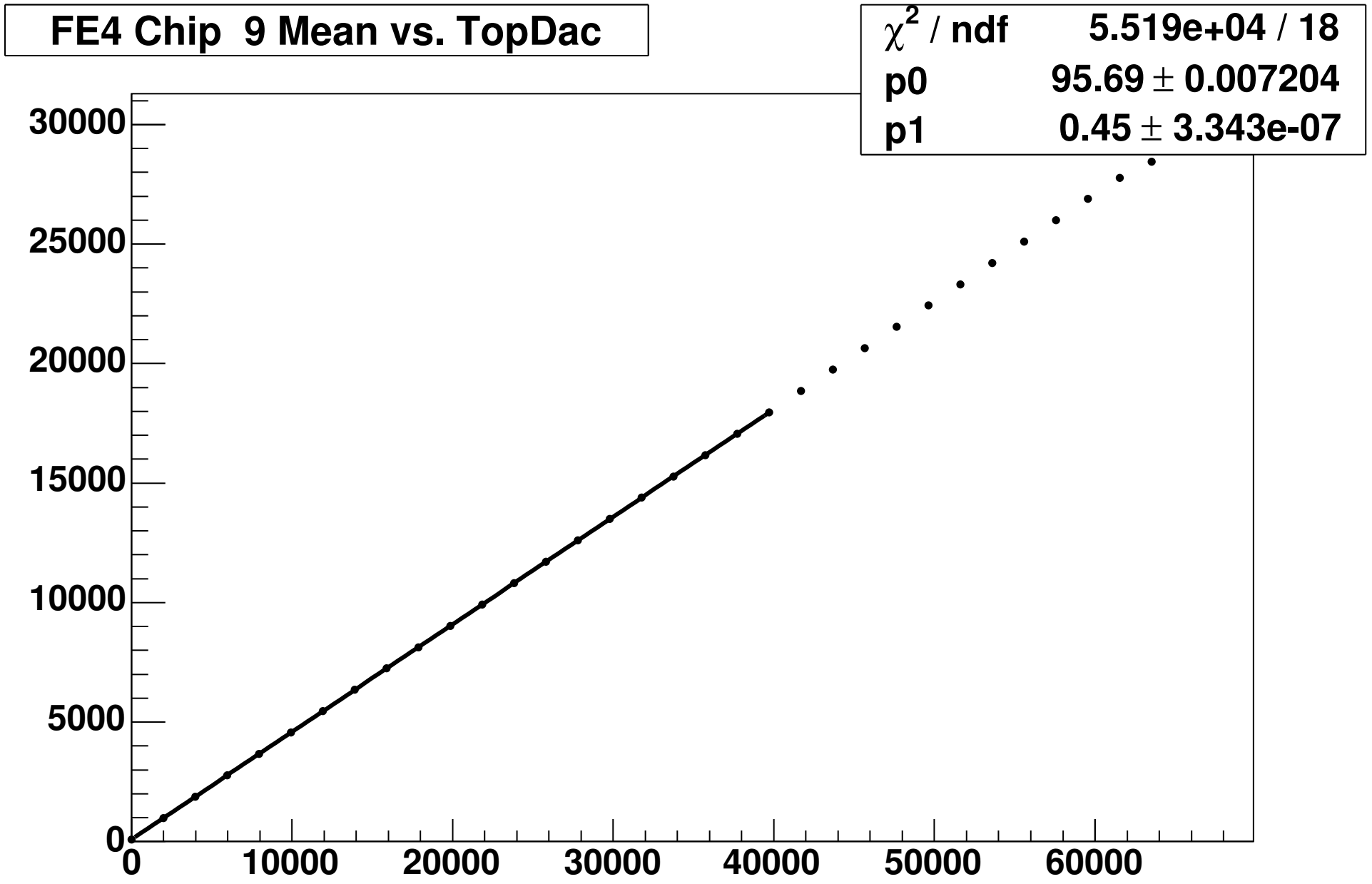
60000


FE4 Chip 9 Mean vs. TopDac
χ² / ndf 5.519e+04 / 18
p0 95.69 ± 0.007204
p1 0.45 ± 3.343e-07
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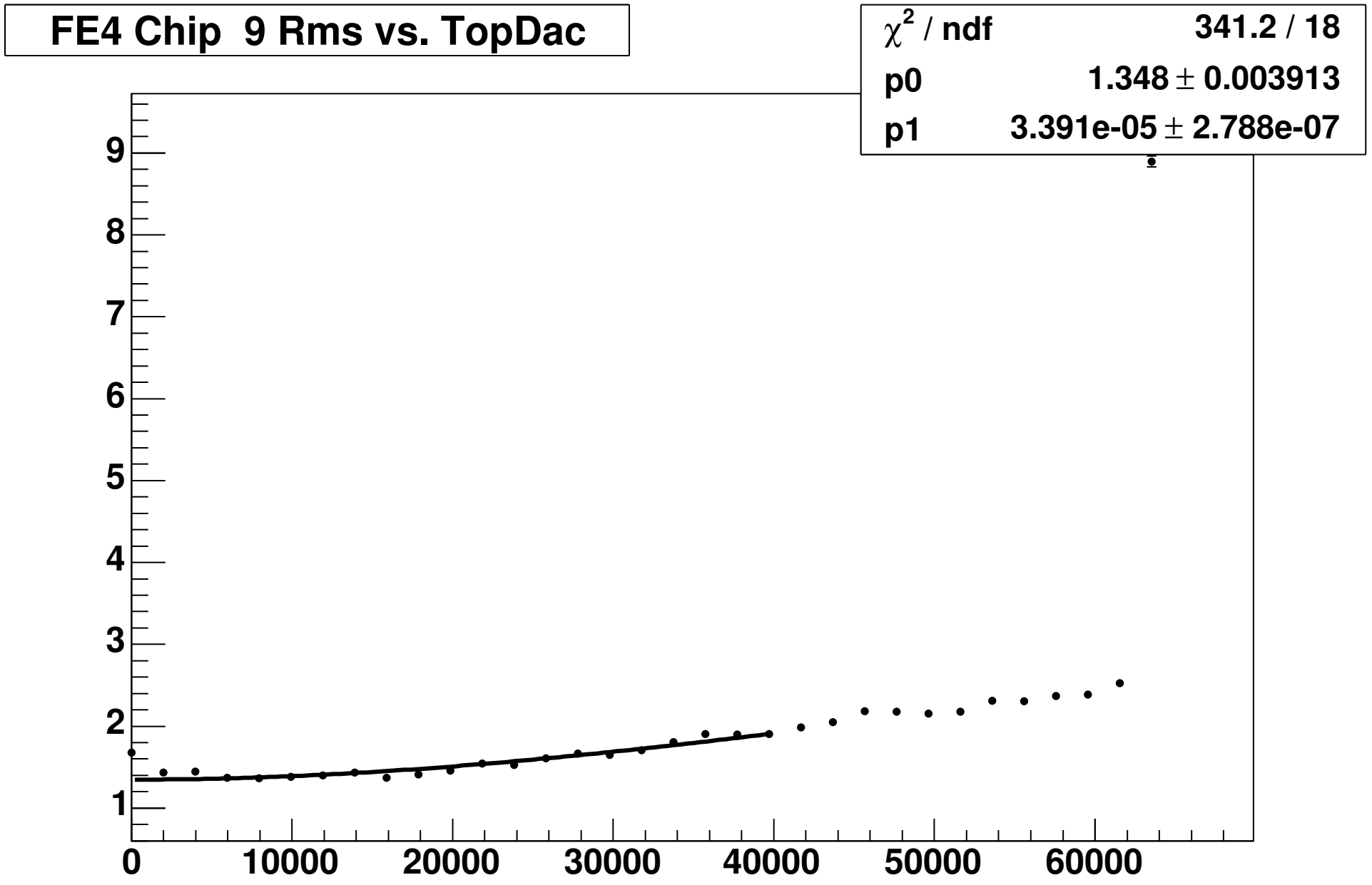
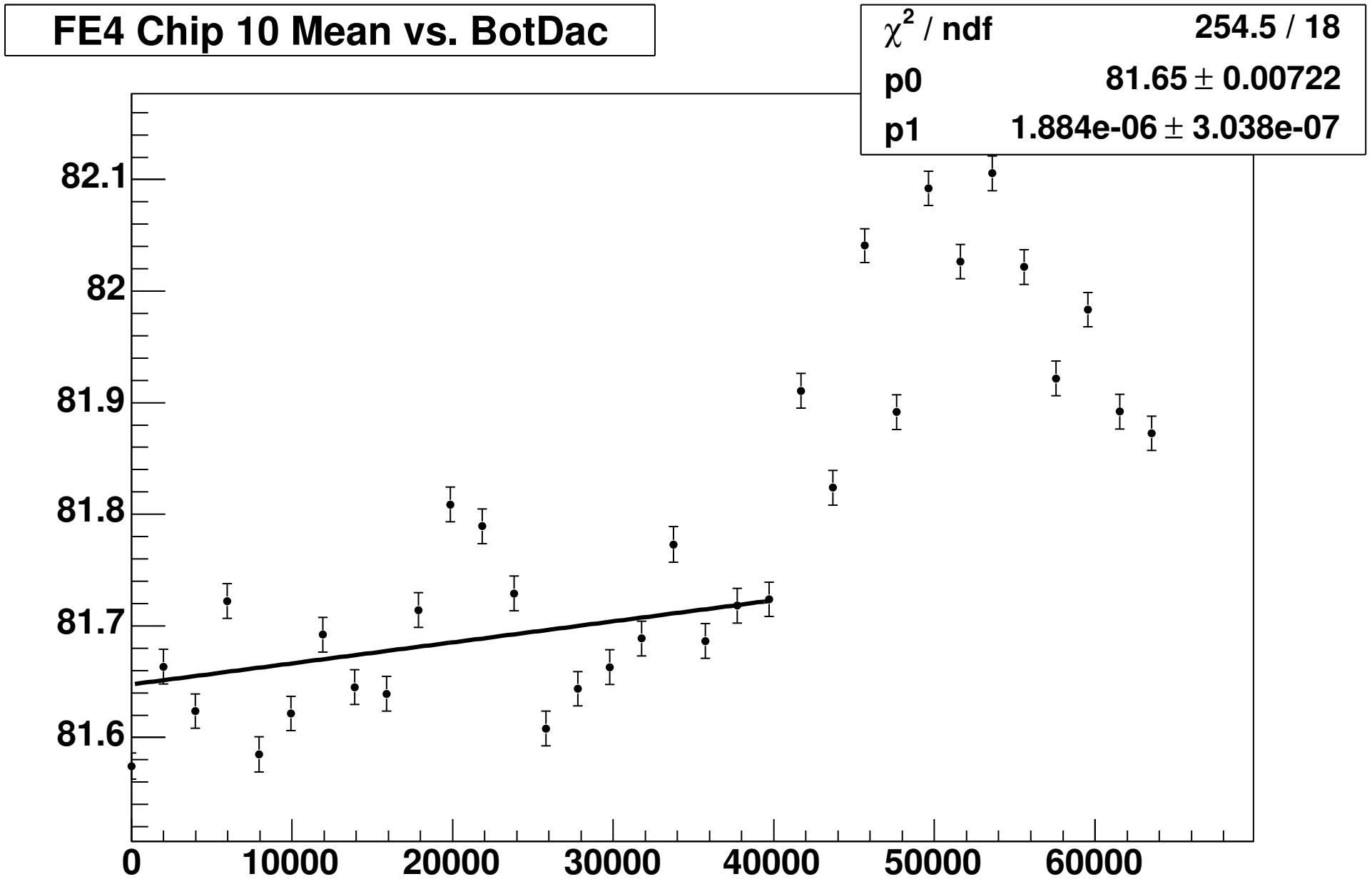
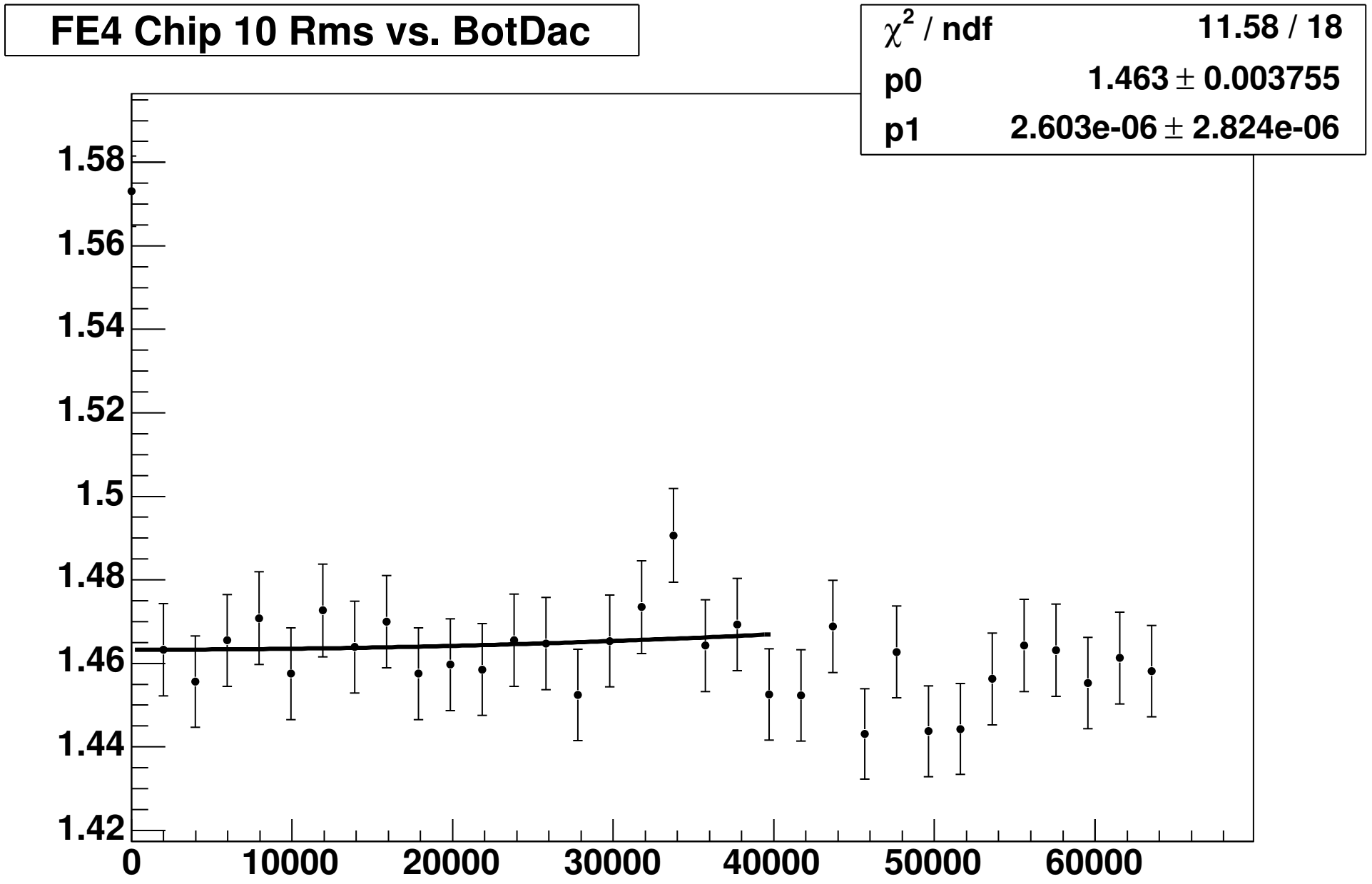
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE4 Chip 9 Rms vs. TopDac
χ² / ndf 341.2 / 18
p0 1.348 ± 0.003913
p1 3.391e-05 ± 2.788e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Mean vs. BotDac
χ² / ndf 254.5 / 18
p0 81.65 ± 0.00722
p1 1.884e-06 ± 3.038e-07
82.1
82
81.9
81.8
81.7
81.6
0
10000
20000
30000
40000
50000
60000


FE4 Chip 10 Rms vs. BotDac
χ² / ndf 11.58 / 18
p0 1.463 ± 0.003755
p1 2.603e-06 ± 2.824e-06
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
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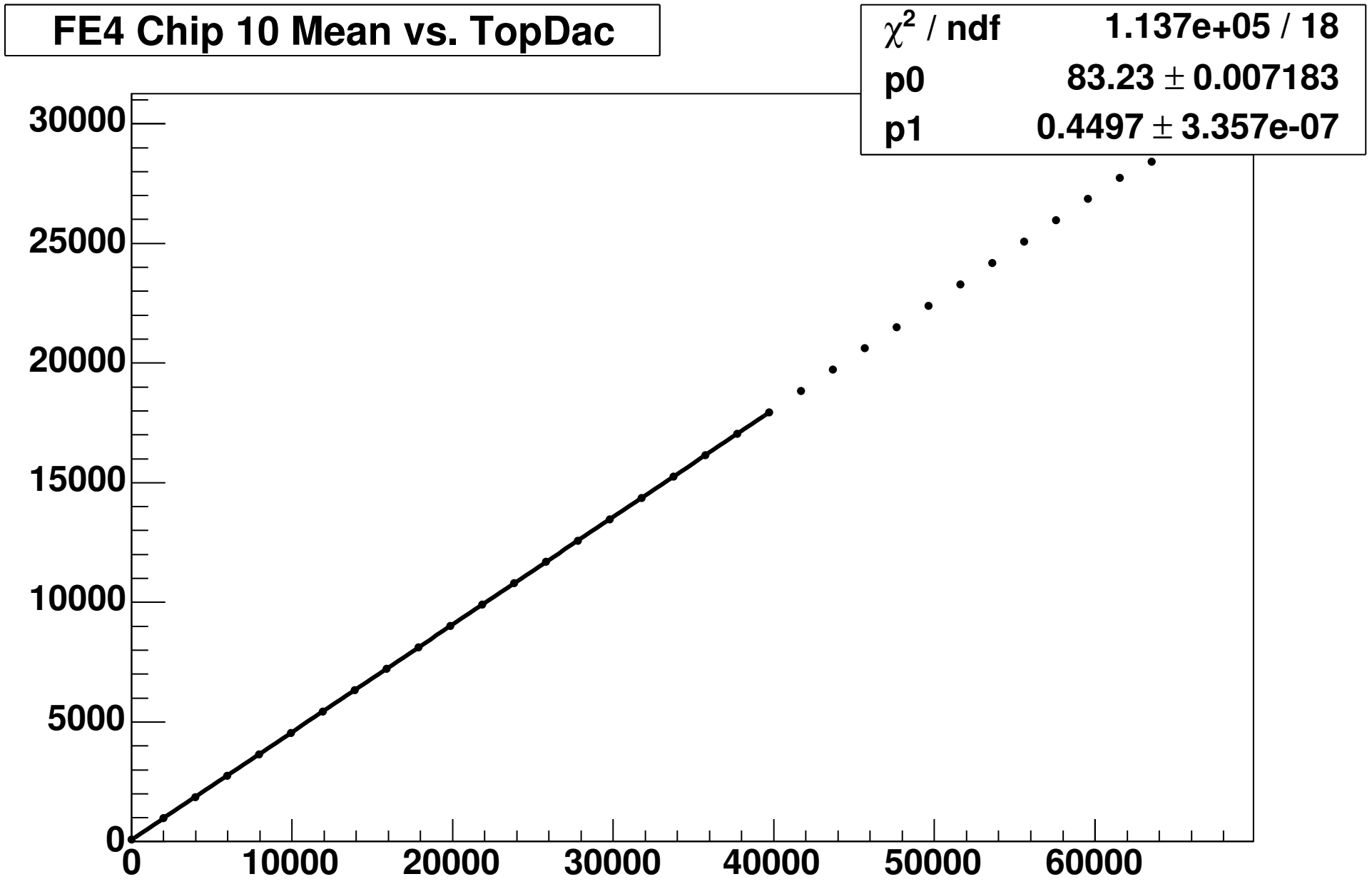
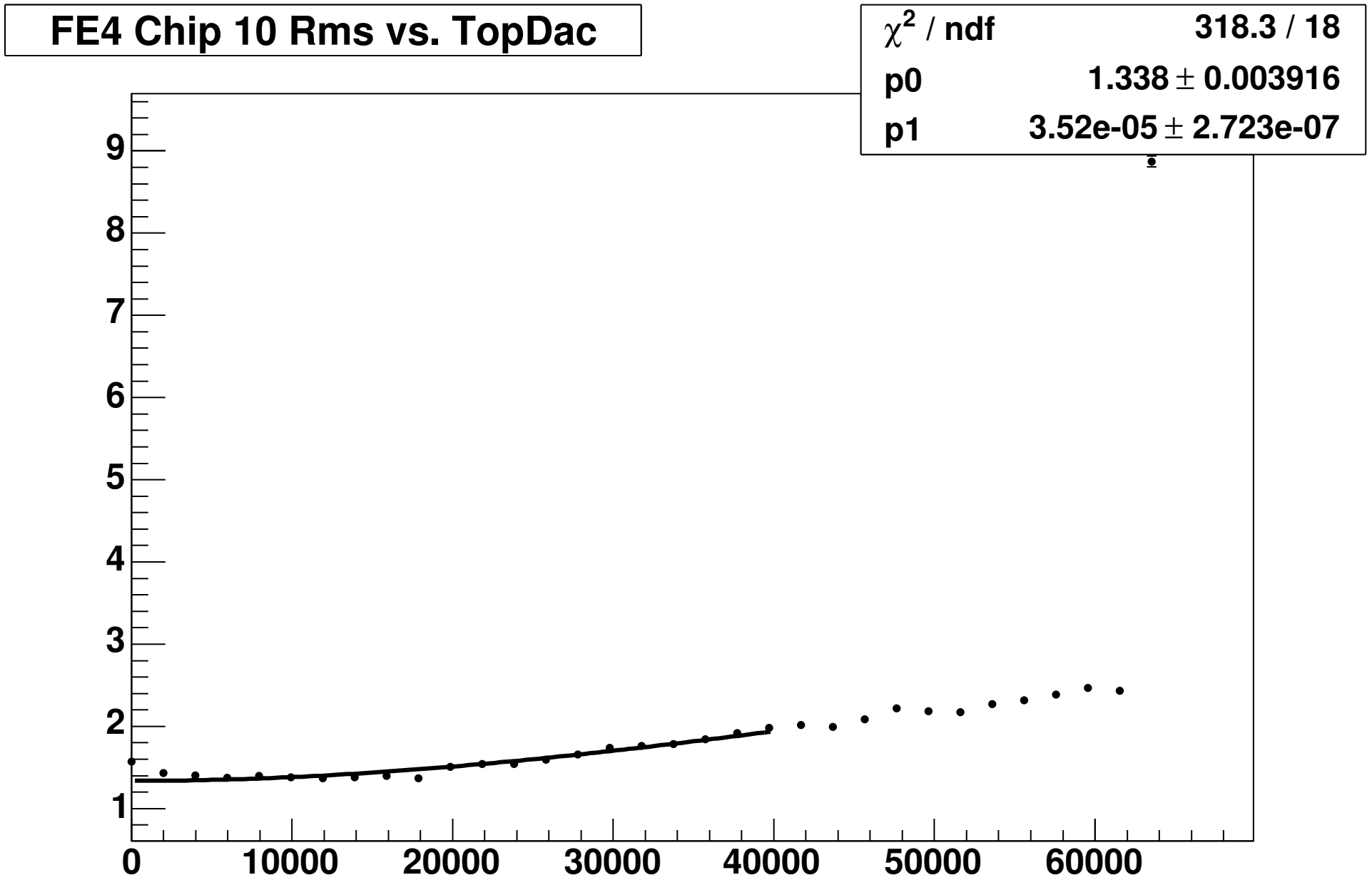
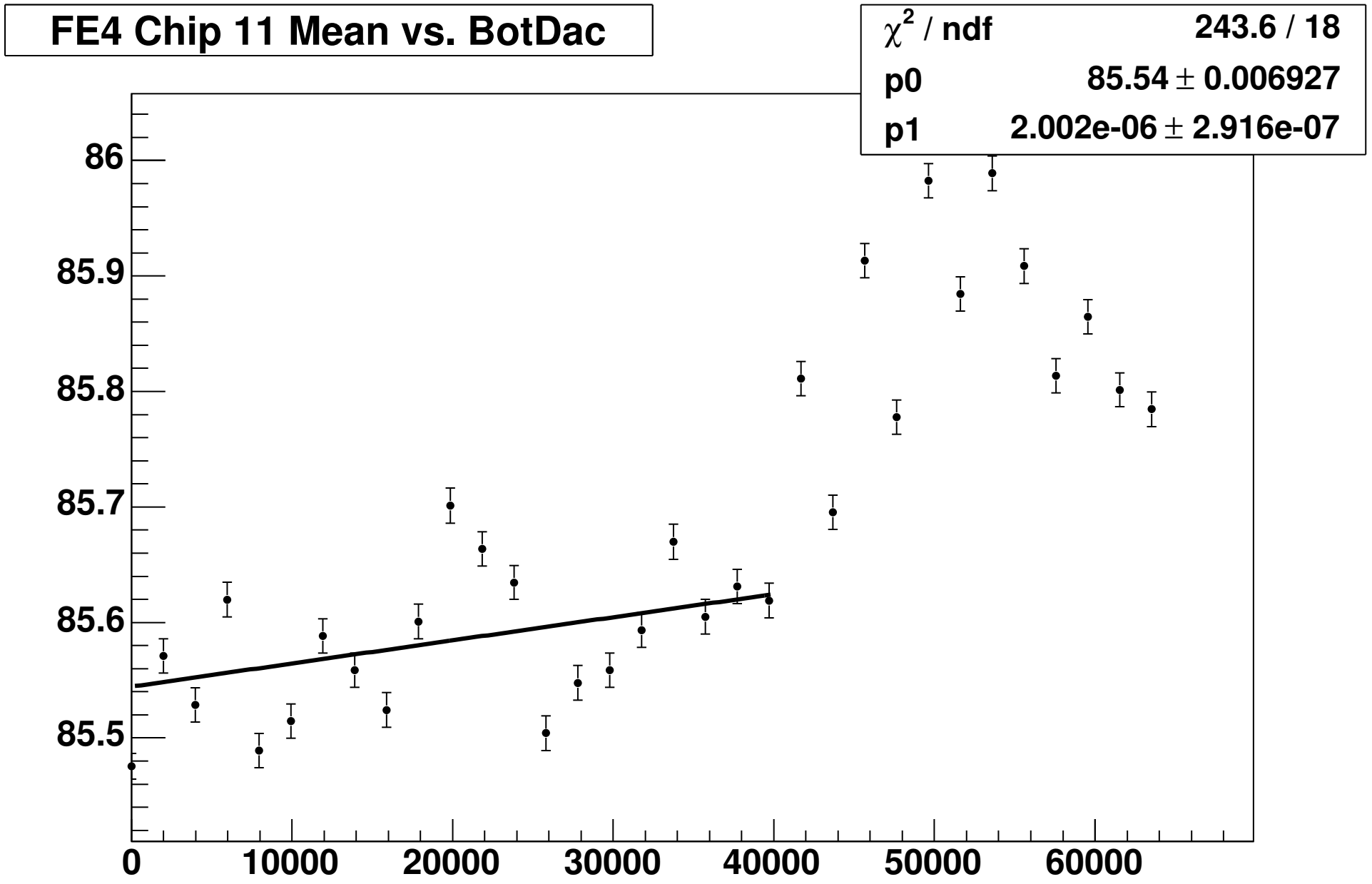
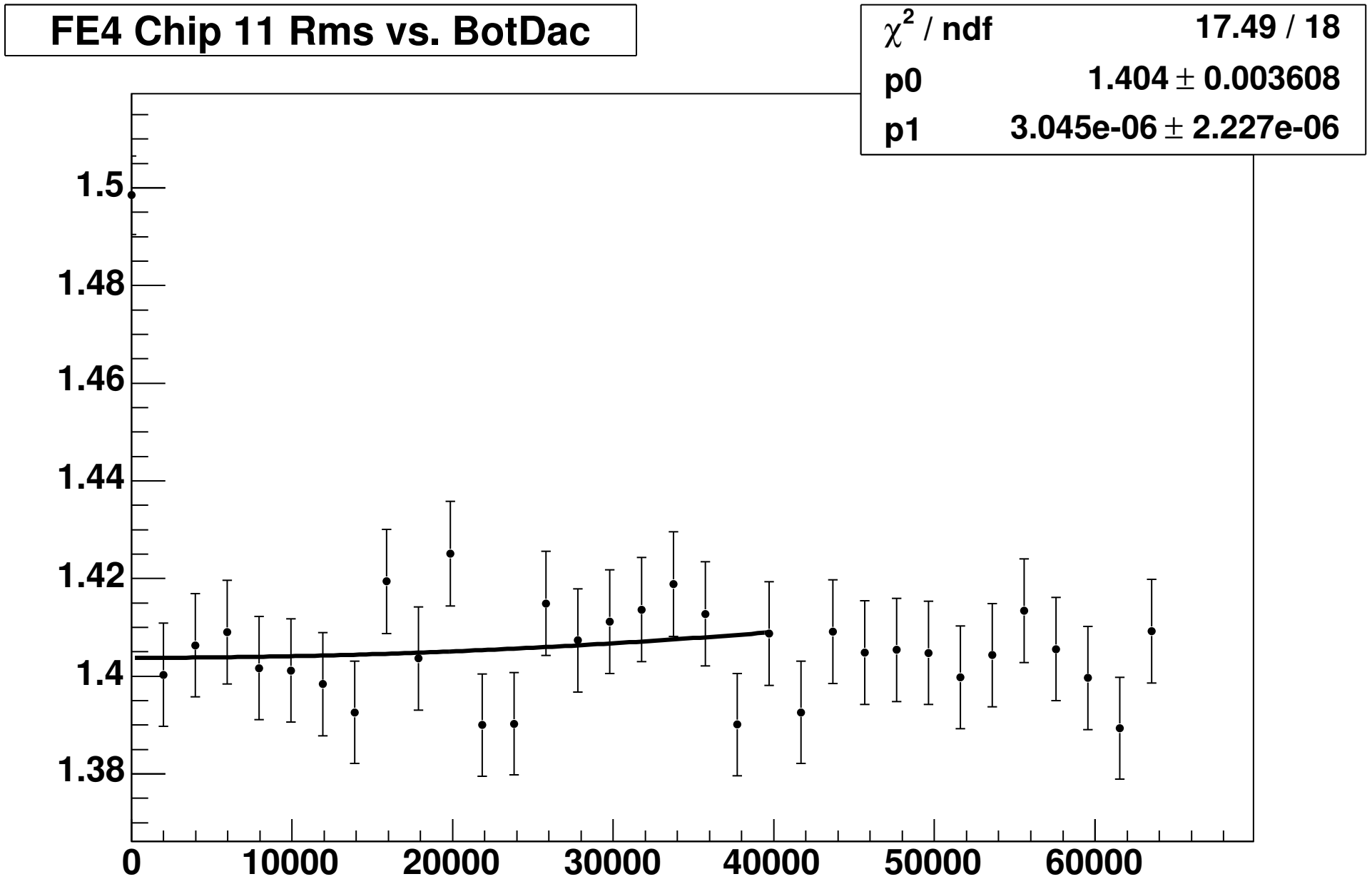
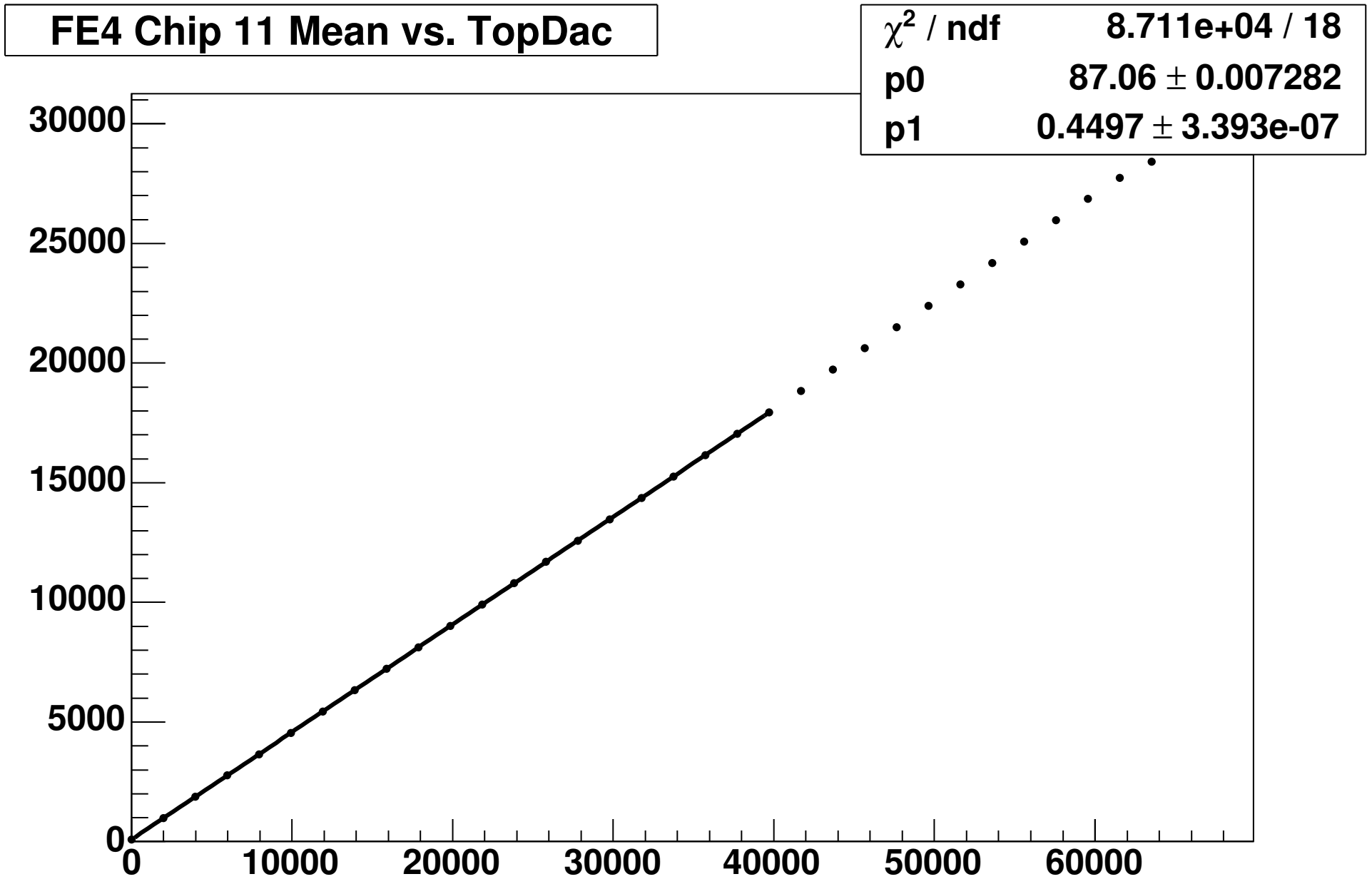
50000
60000

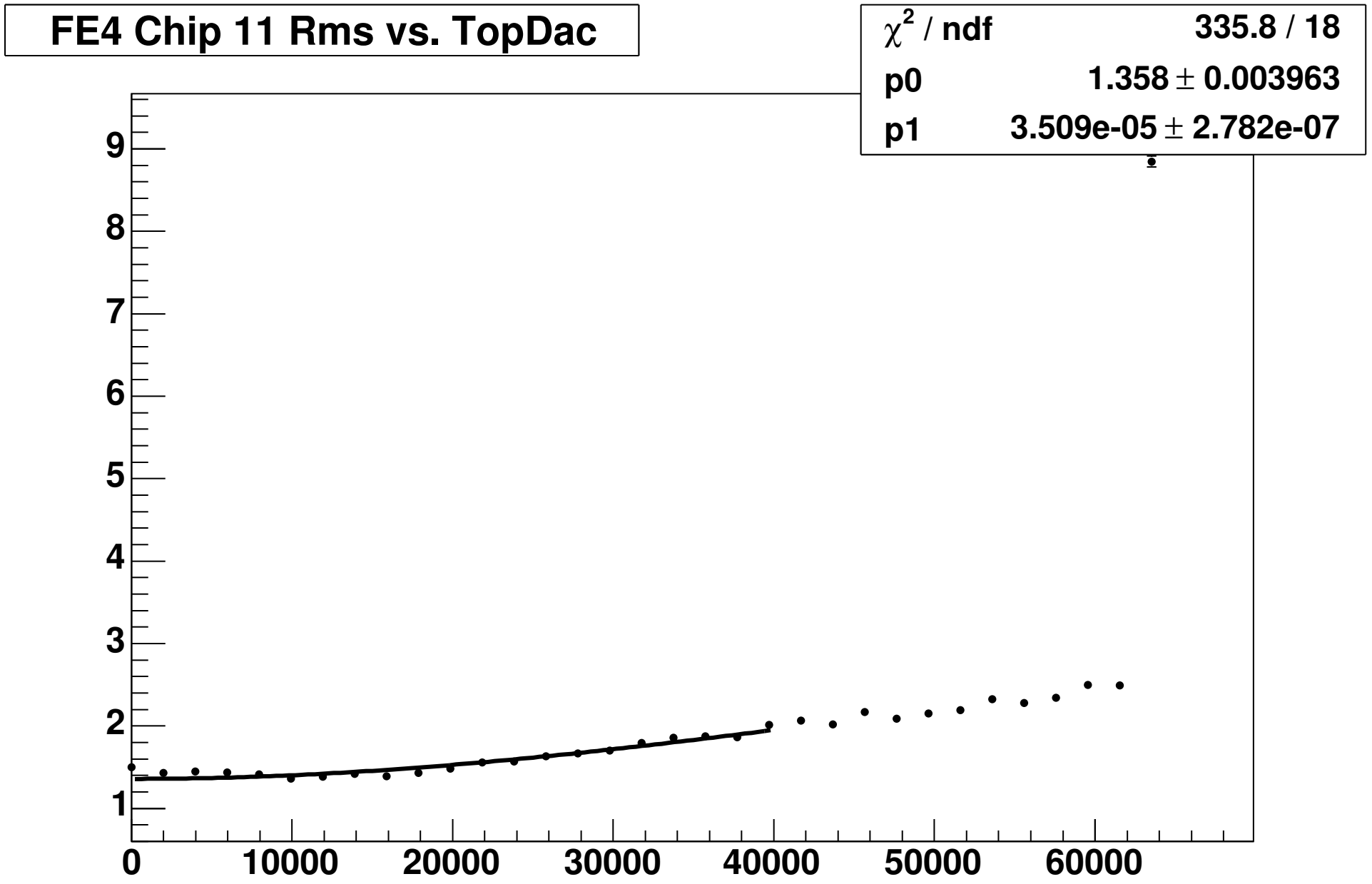

FE4 Chip 10 Mean vs. TopDac
χ² / ndf 1.137e+05 / 18
p0 83.23 ± 0.007183
p1 0.4497 ± 3.357e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

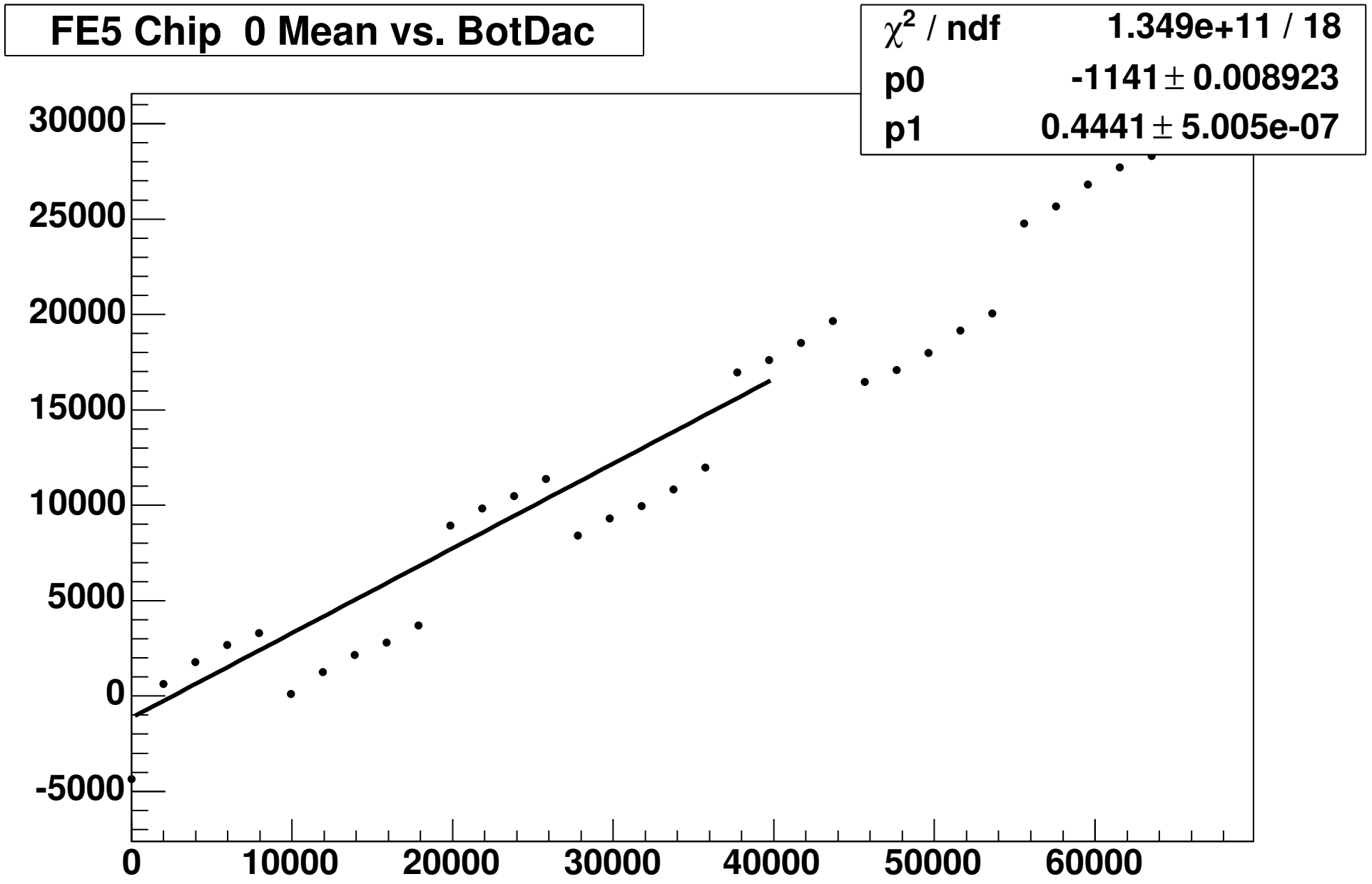

FE4 Chip 10 Rms vs. TopDac
χ² / ndf 318.3 / 18
p0 1.338 ± 0.003916
p1 3.52e-05 ± 2.723e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

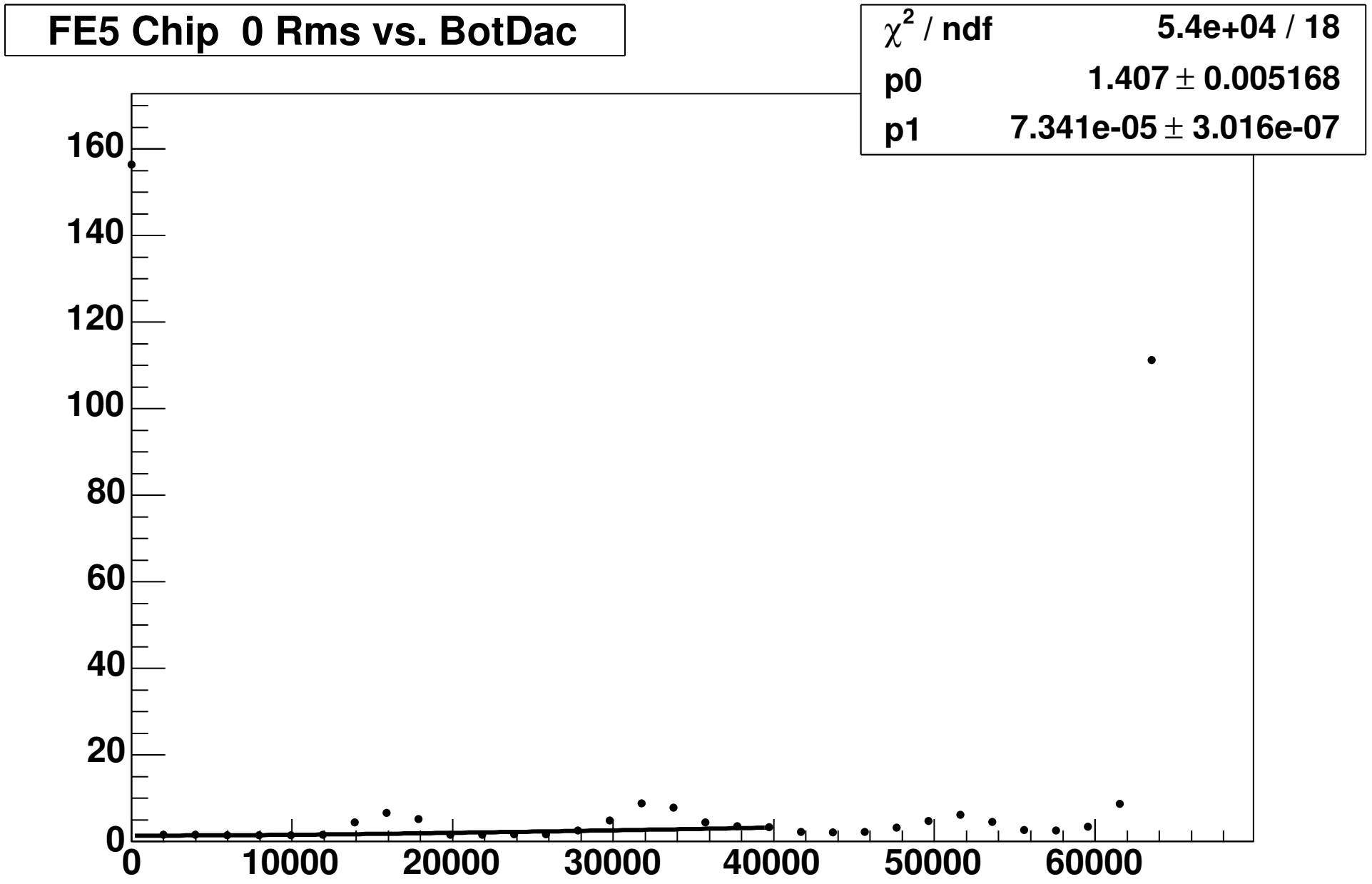

FE4 Chip 11 Mean vs. BotDac
χ² / ndf 243.6 / 18
p0 85.54 ± 0.006927
p1 2.002e-06 ± 2.916e-07
86
85.9
85.8
85.7
85.6
85.5
0
10000
20000
30000
40000
50000
60000

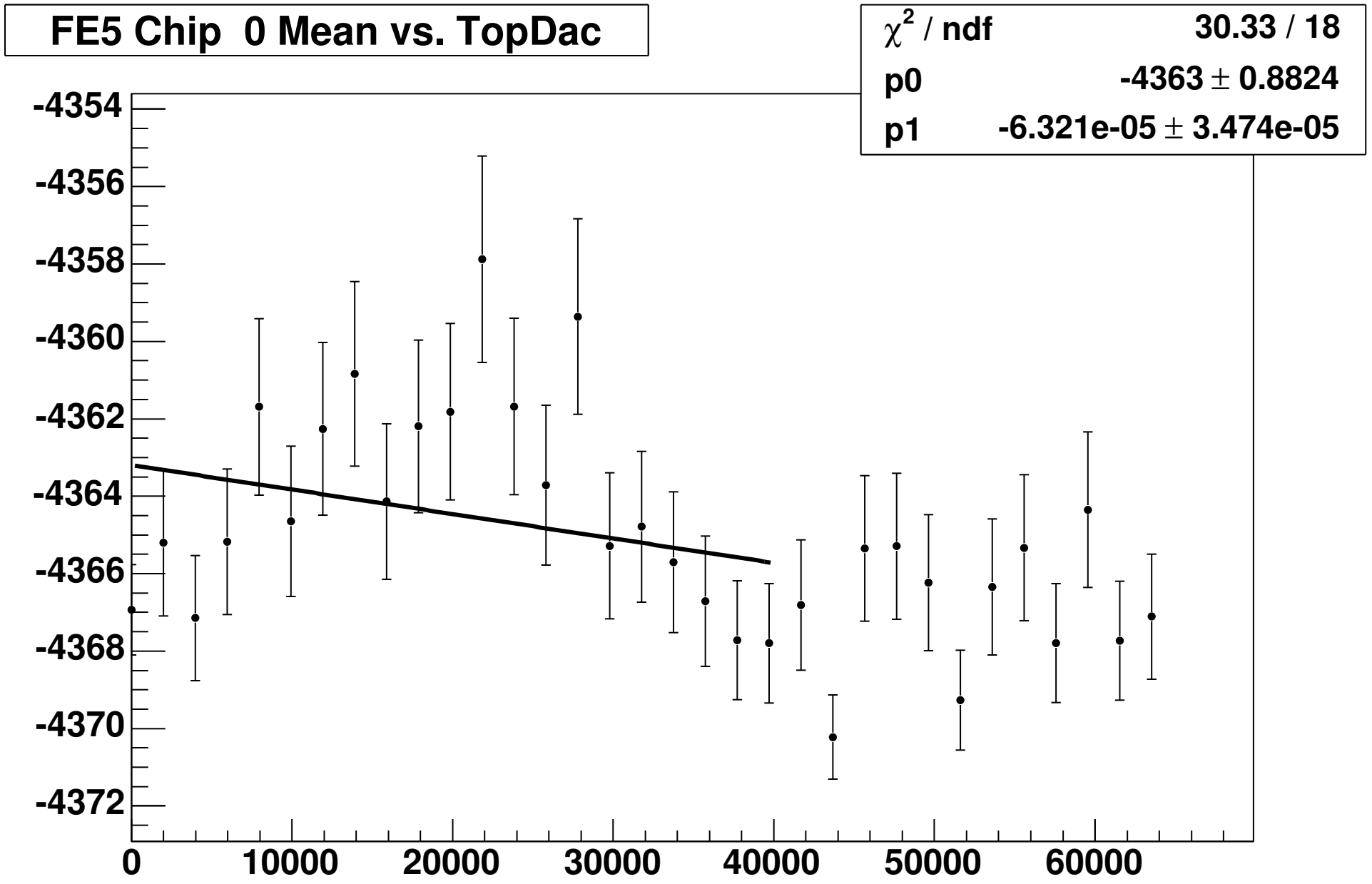

FE4 Chip 11 Rms vs. BotDac
χ² / ndf 17.49 / 18
p0 1.404 ± 0.003608
p1 3.045e-06 ± 2.227e-06
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

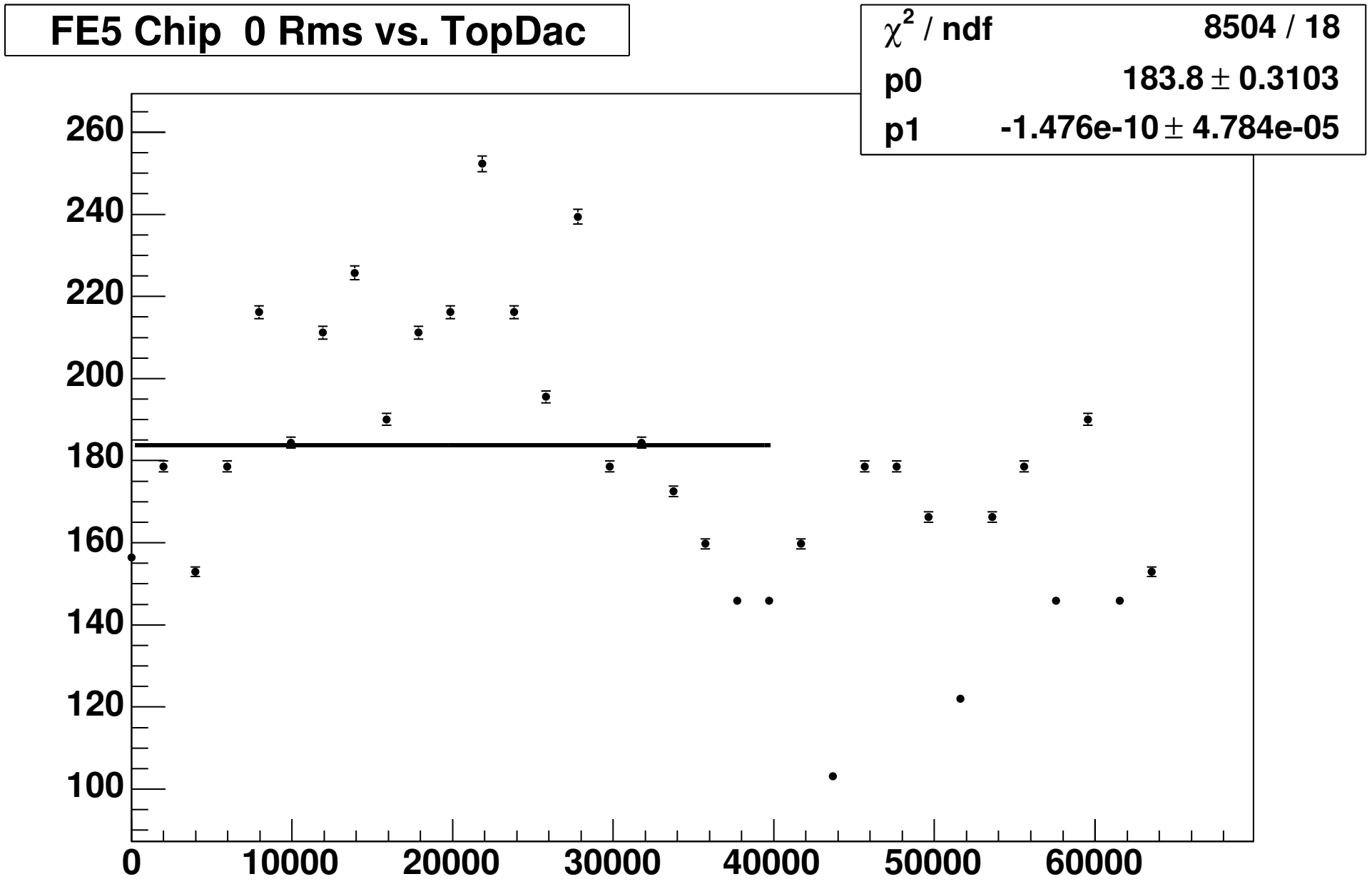

FE4 Chip 11 Mean vs. TopDac
χ² / ndf 8.711e+04 / 18
p0 87.06 ± 0.007282
p1 0.4497 ± 3.393e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

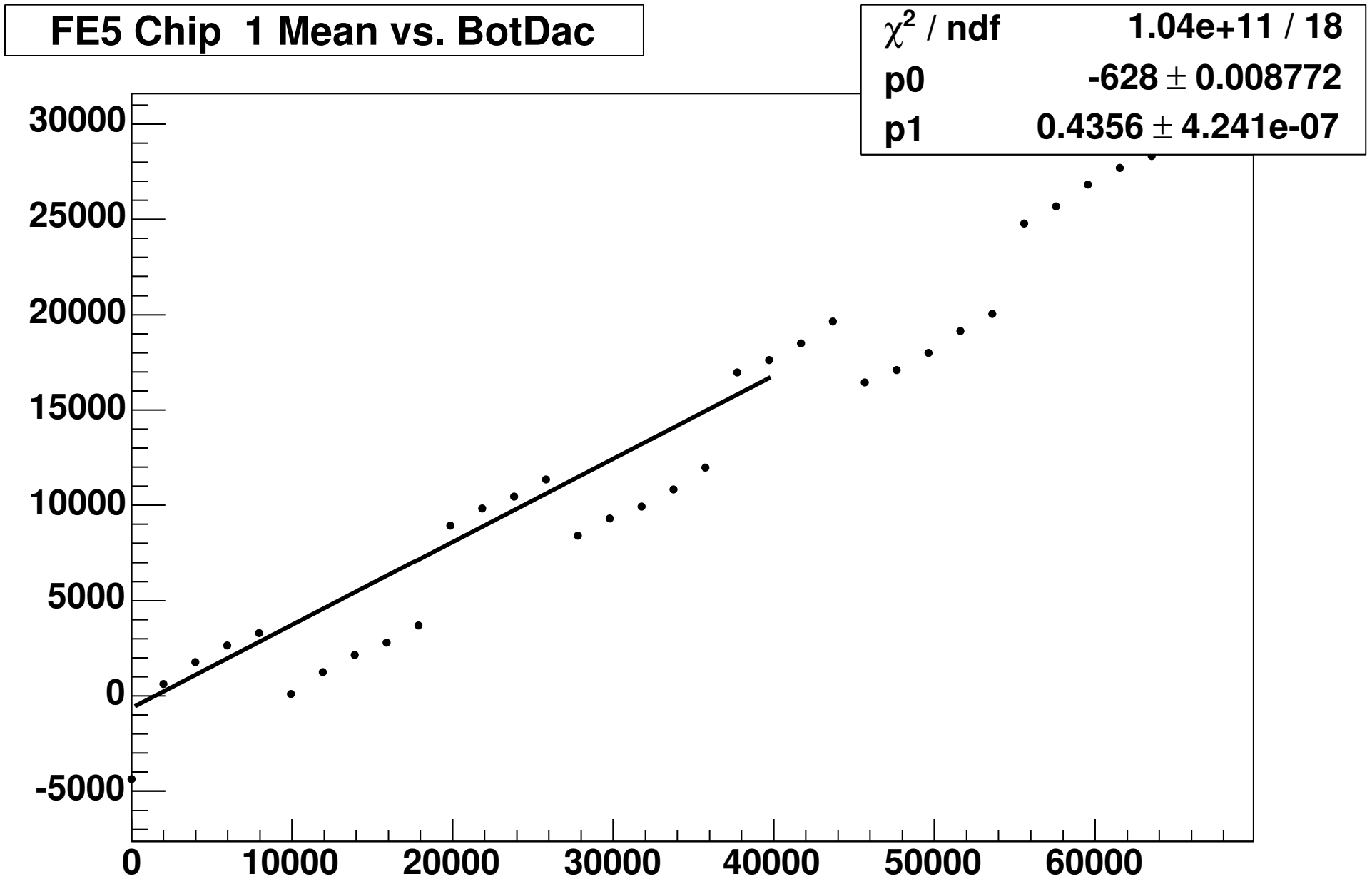

FE4 Chip 11 Rms vs. TopDac
χ² / ndf 335.8 / 18
p0 1.358 ± 0.003963
p1 3.509e-05 ± 2.782e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

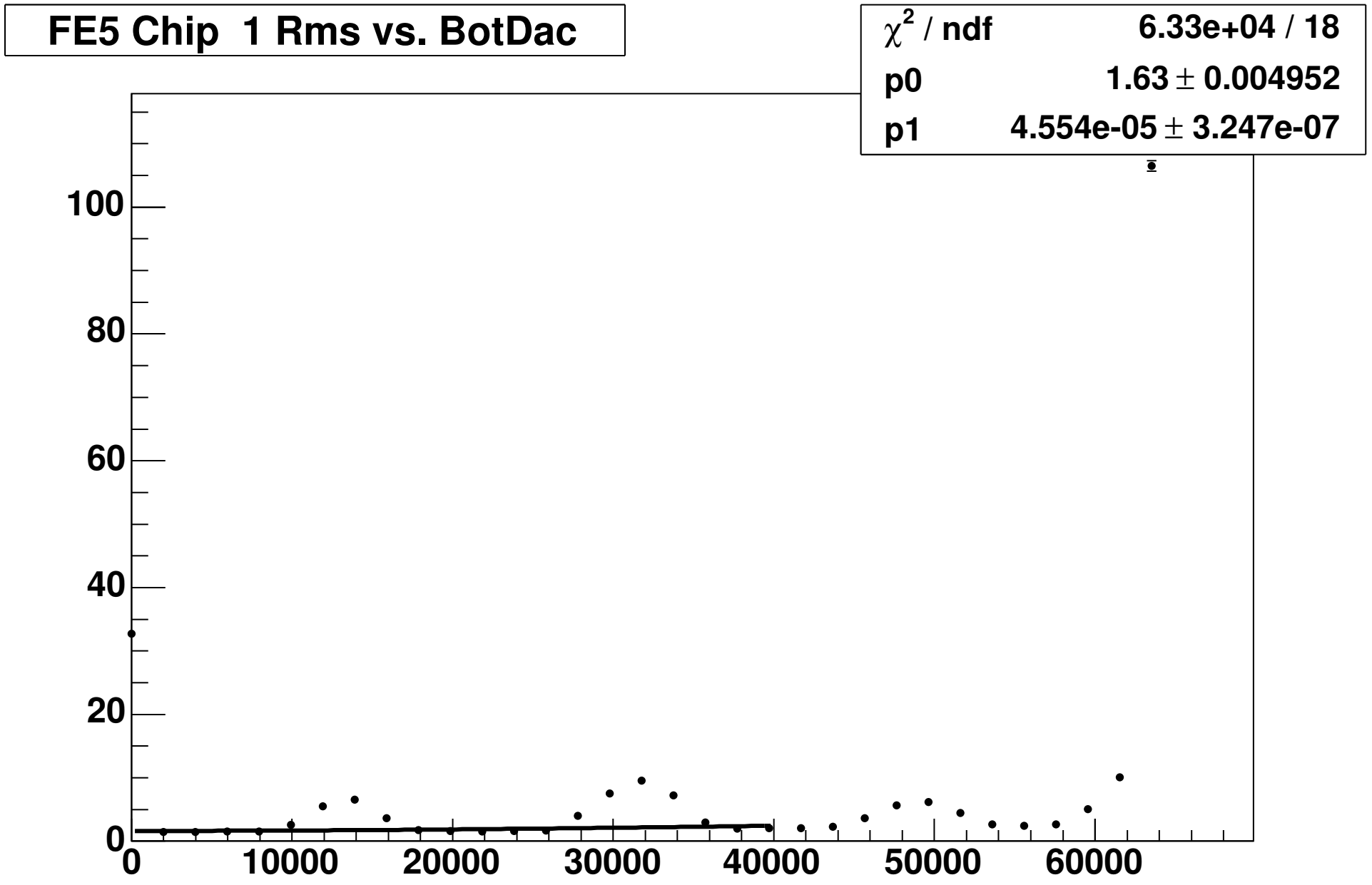

FE5 Chip 0 Mean vs. BotDac
χ² / ndf 1.349e+11 / 18
p0 -1141 ± 0.008923
p1 0.4441 ± 5.005e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

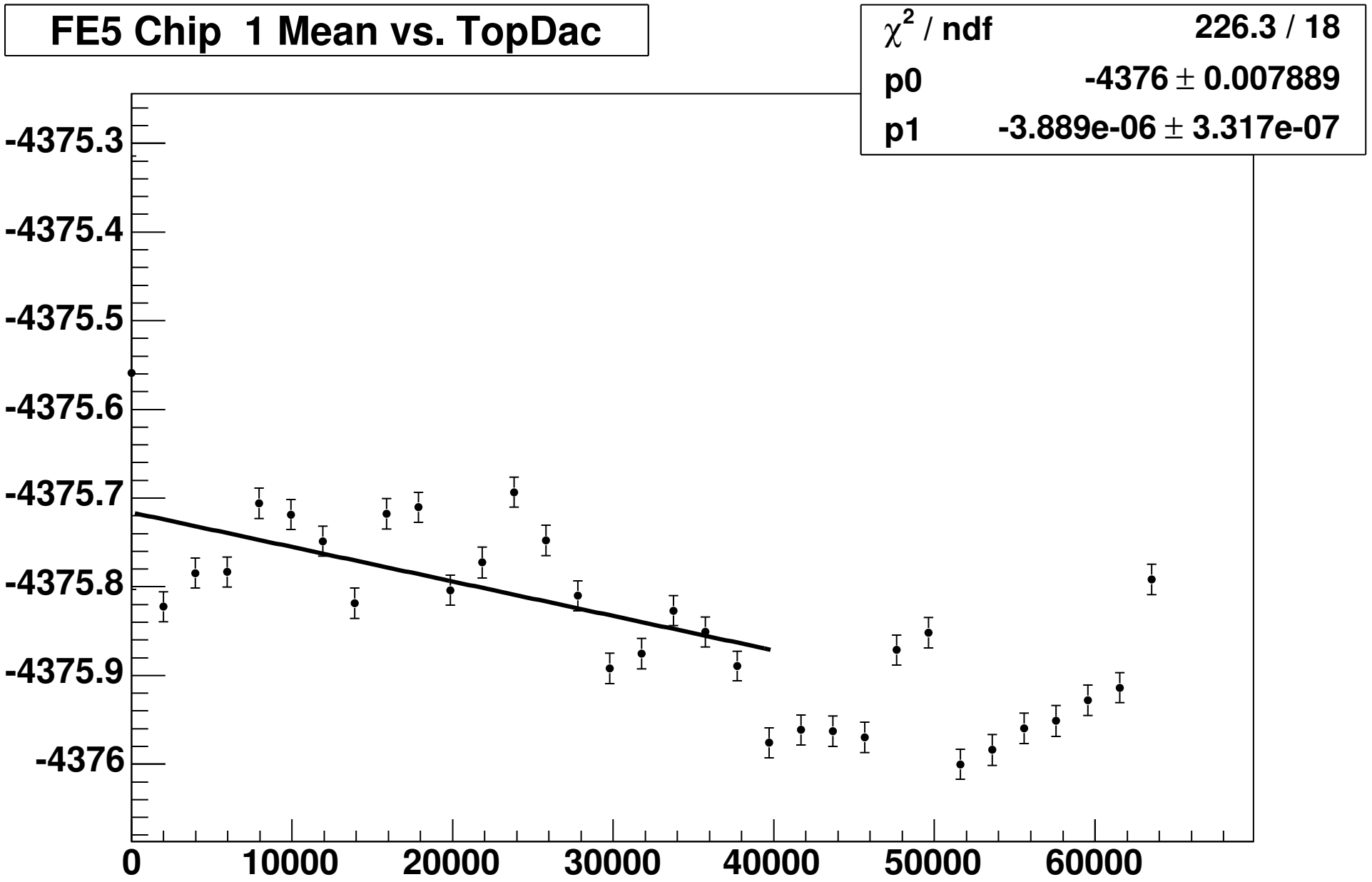

FE5 Chip 0 Rms vs. BotDac
χ² / ndf 5.4e+04 / 18
p0 1.407 ± 0.005168
p1 7.341e-05 ± 3.016e-07
160
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

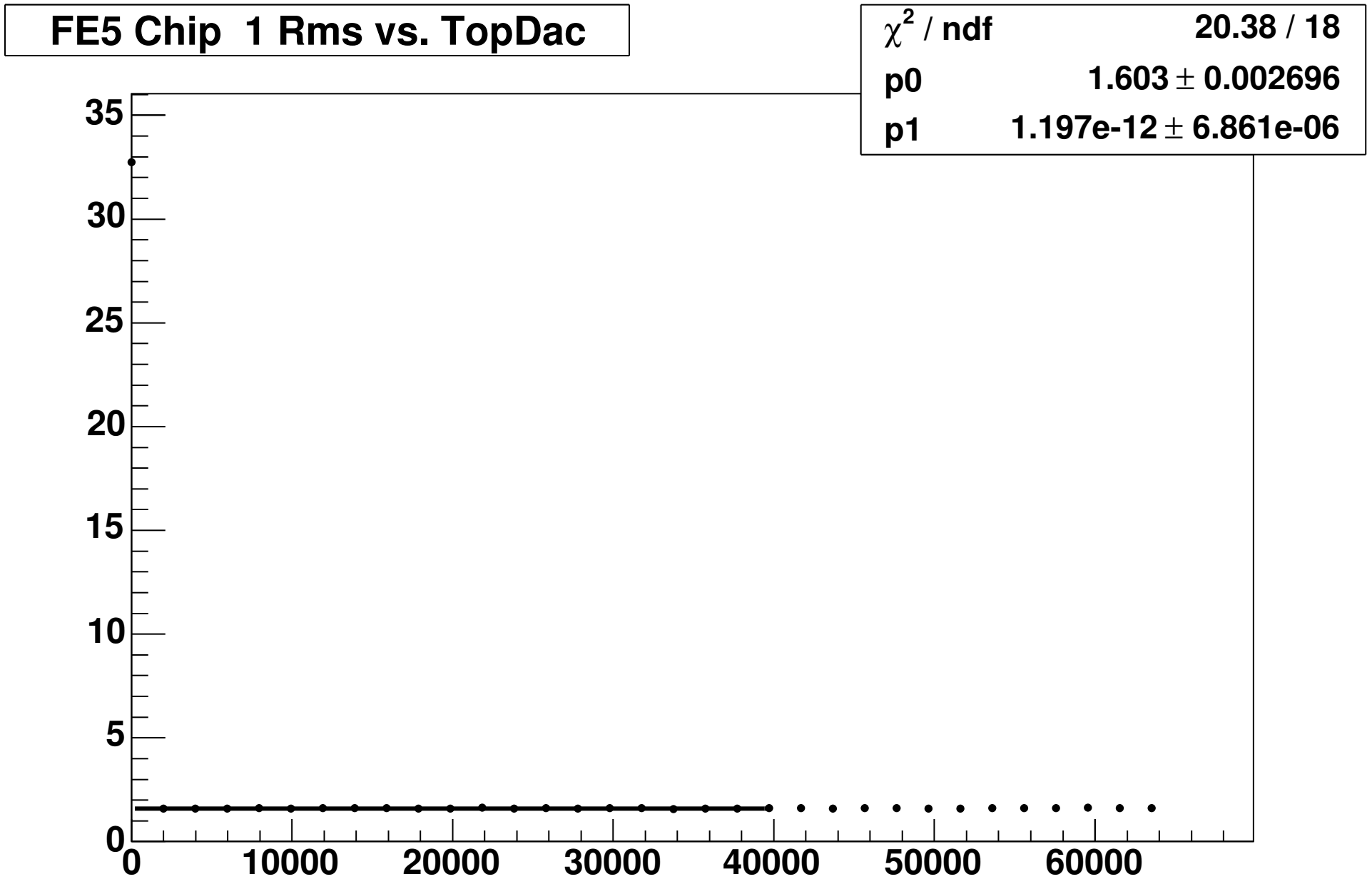

FE5 Chip 0 Mean vs. TopDac
χ^2 / ndf 30.33 / 18
p0 -4363 ± 0.8824
p1 -6.321e-05 ± 3.474e-05
-4354
-4356
-4358
-4360
-4362
-4364
-4366
-4368
-4370
-4372
0
10000
20000
30000
40000
50000
60000

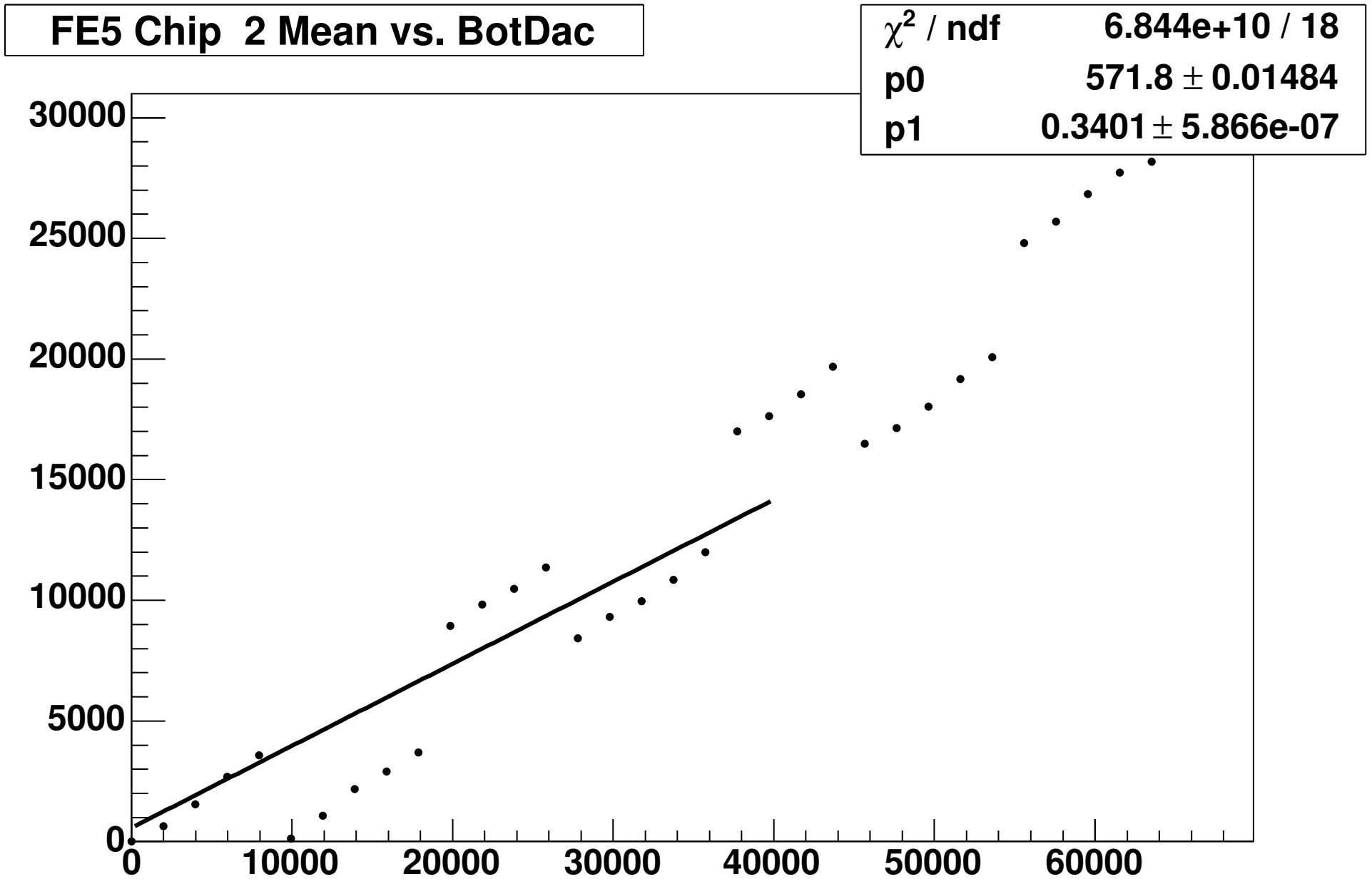

FE5 Chip 0 Rms vs. TopDac
χ² / ndf 8504 / 18
p0 183.8 ± 0.3103
p1 -1.476e-10 ± 4.784e-05
260
240
220
200
180
160
140
120
100
0
10000
20000
30000
40000
50000
60000

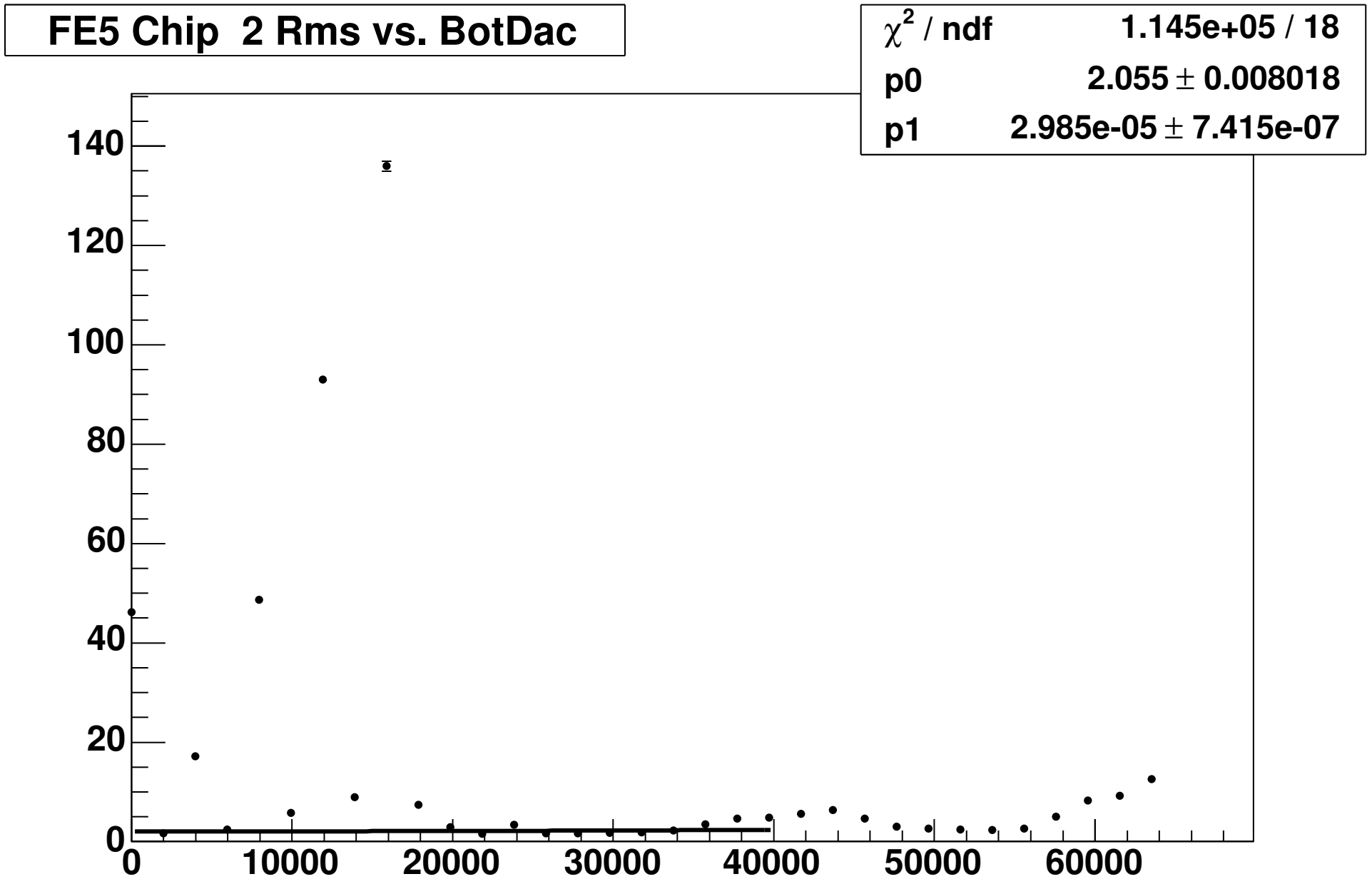

FE5 Chip 1 Mean vs. BotDac
χ² / ndf 1.04e+11 / 18
p0 -628 ± 0.008772
p1 0.4356 ± 4.241e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

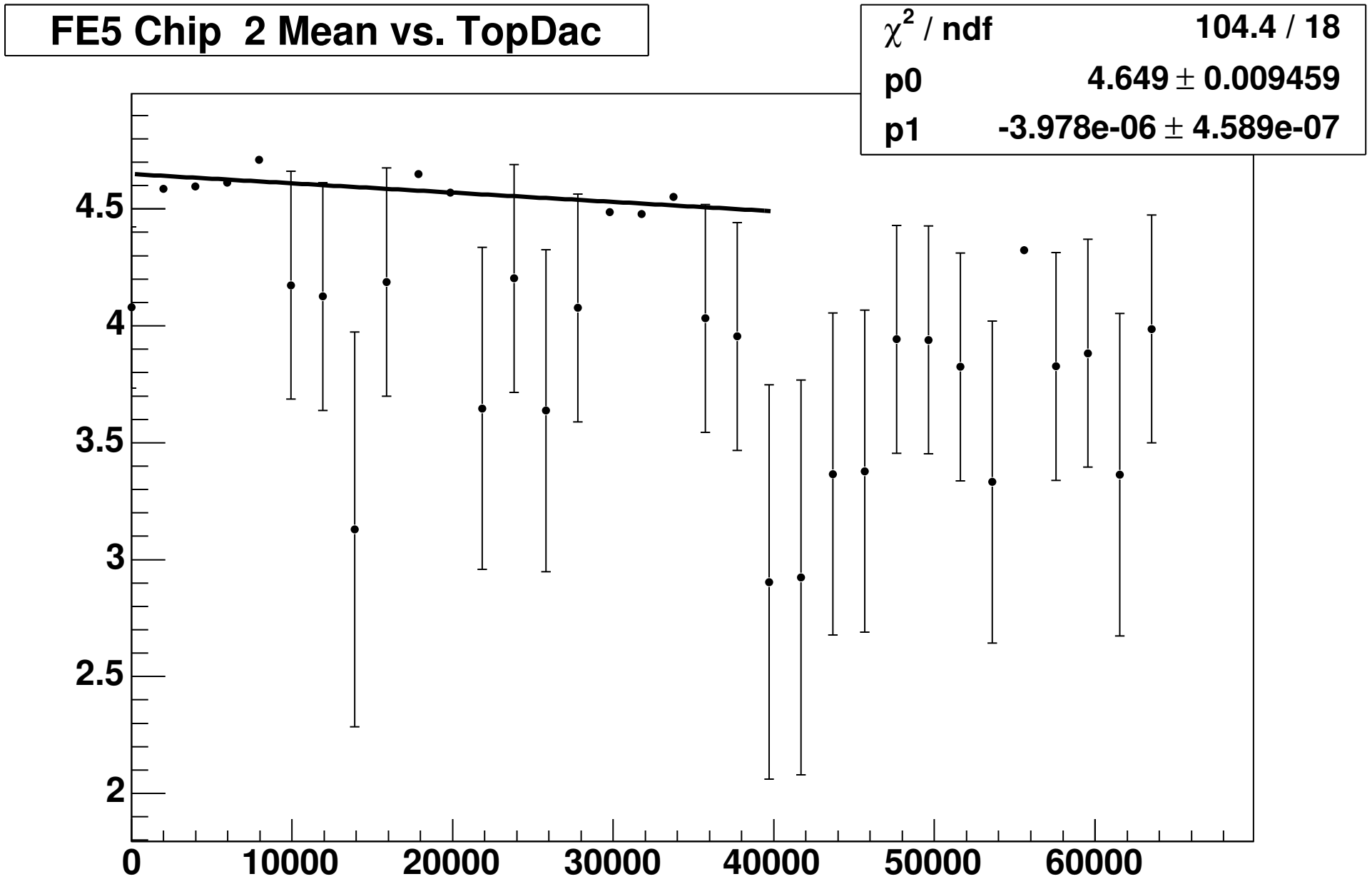

FE5 Chip 1 Rms vs. BotDac
χ² / ndf 6.33e+04 / 18
p0 1.63 ± 0.004952
p1 4.554e-05 ± 3.247e-07
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

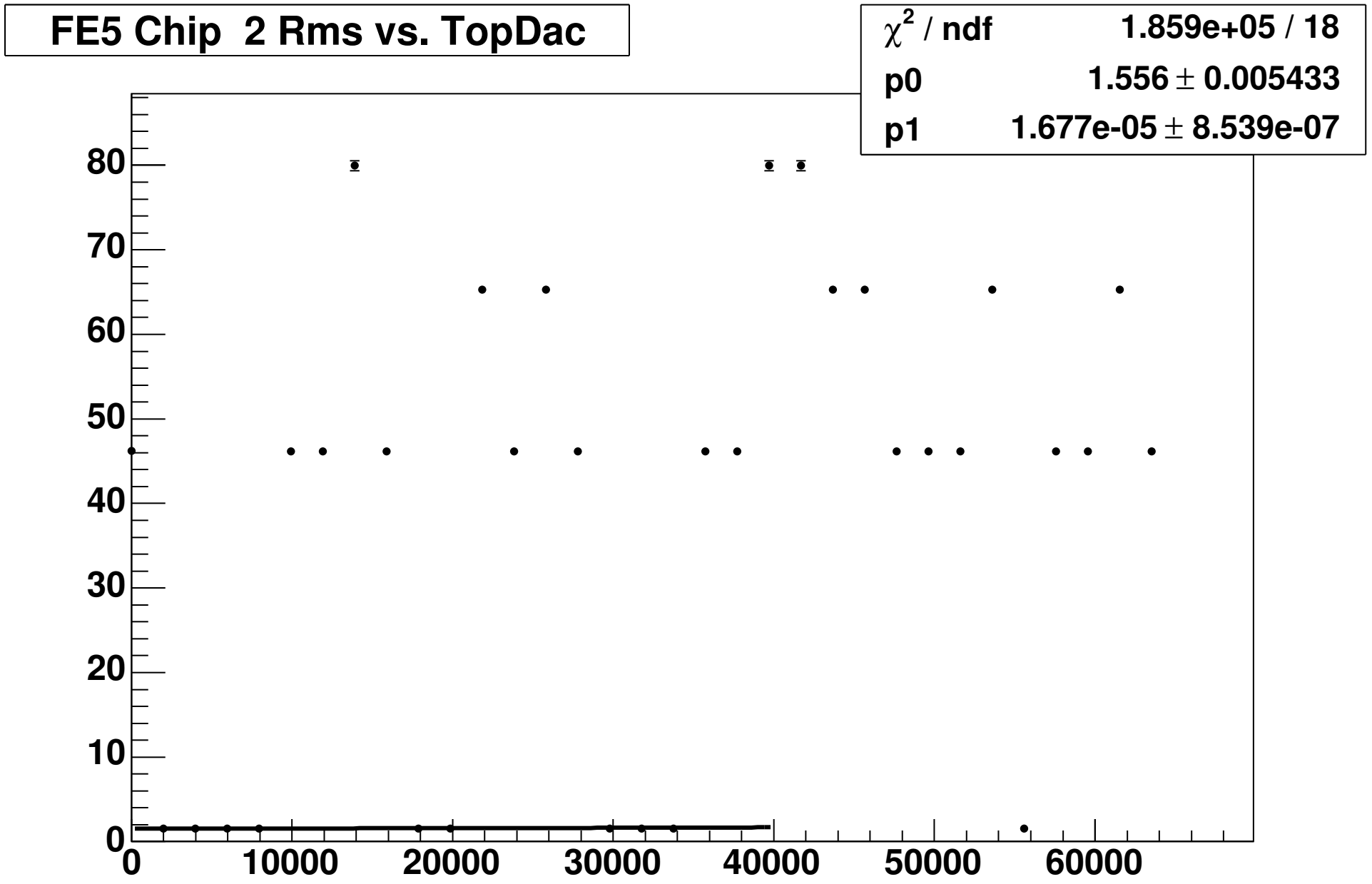

FE5 Chip 1 Mean vs. TopDac
χ² / ndf 226.3 / 18
p0 -4376 ± 0.007889
p1 -3.889e-06 ± 3.317e-07
-4375.3
-4375.4
-4375.5
-4375.6
-4375.7
-4375.8
-4375.9
-4376
0
10000
20000
30000
40000
50000
60000

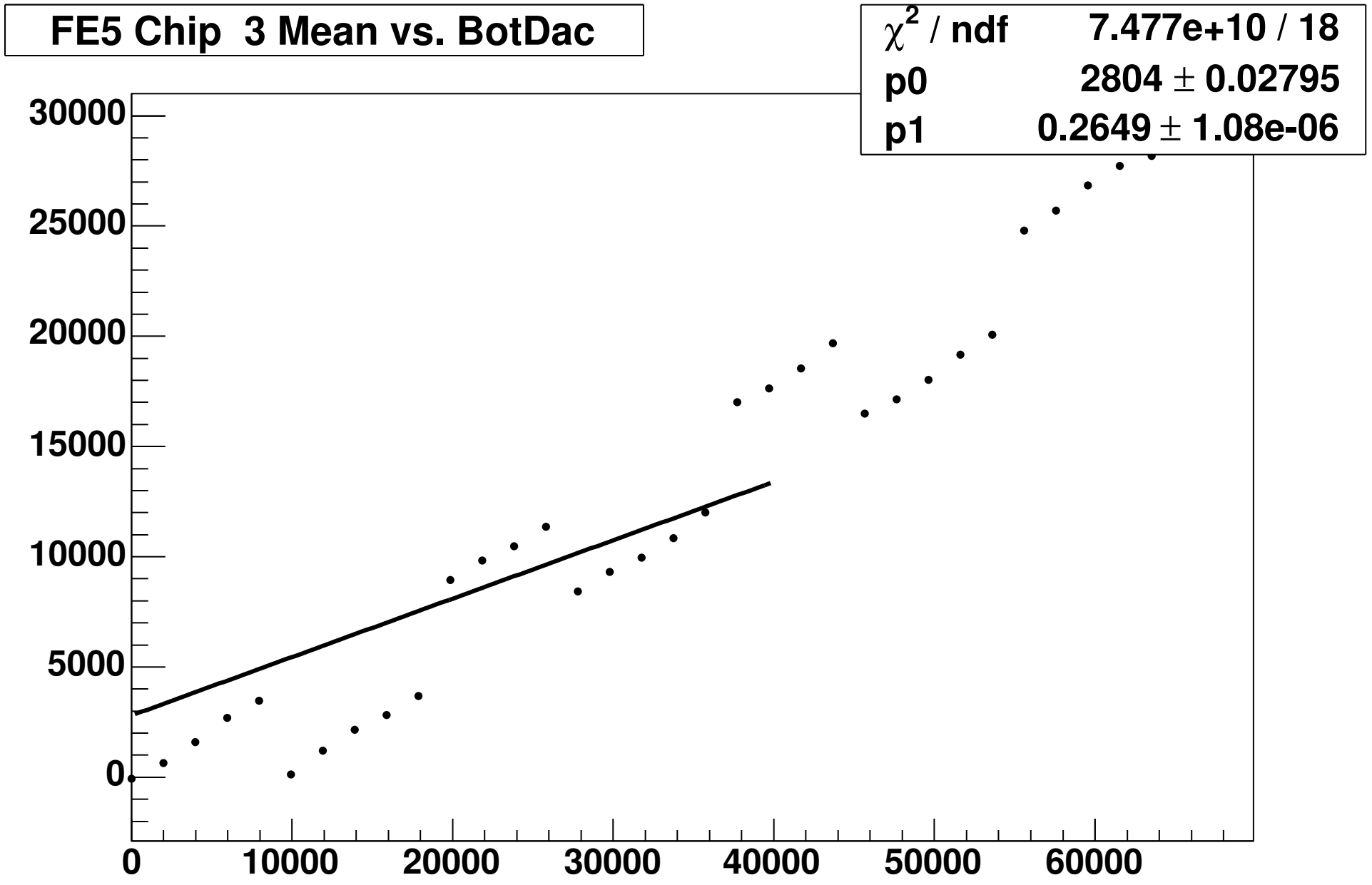

FE5 Chip 1 Rms vs. TopDac
χ² / ndf 20.38 / 18
p0 1.603 ± 0.002696
p1 1.197e-12 ± 6.861e-06
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

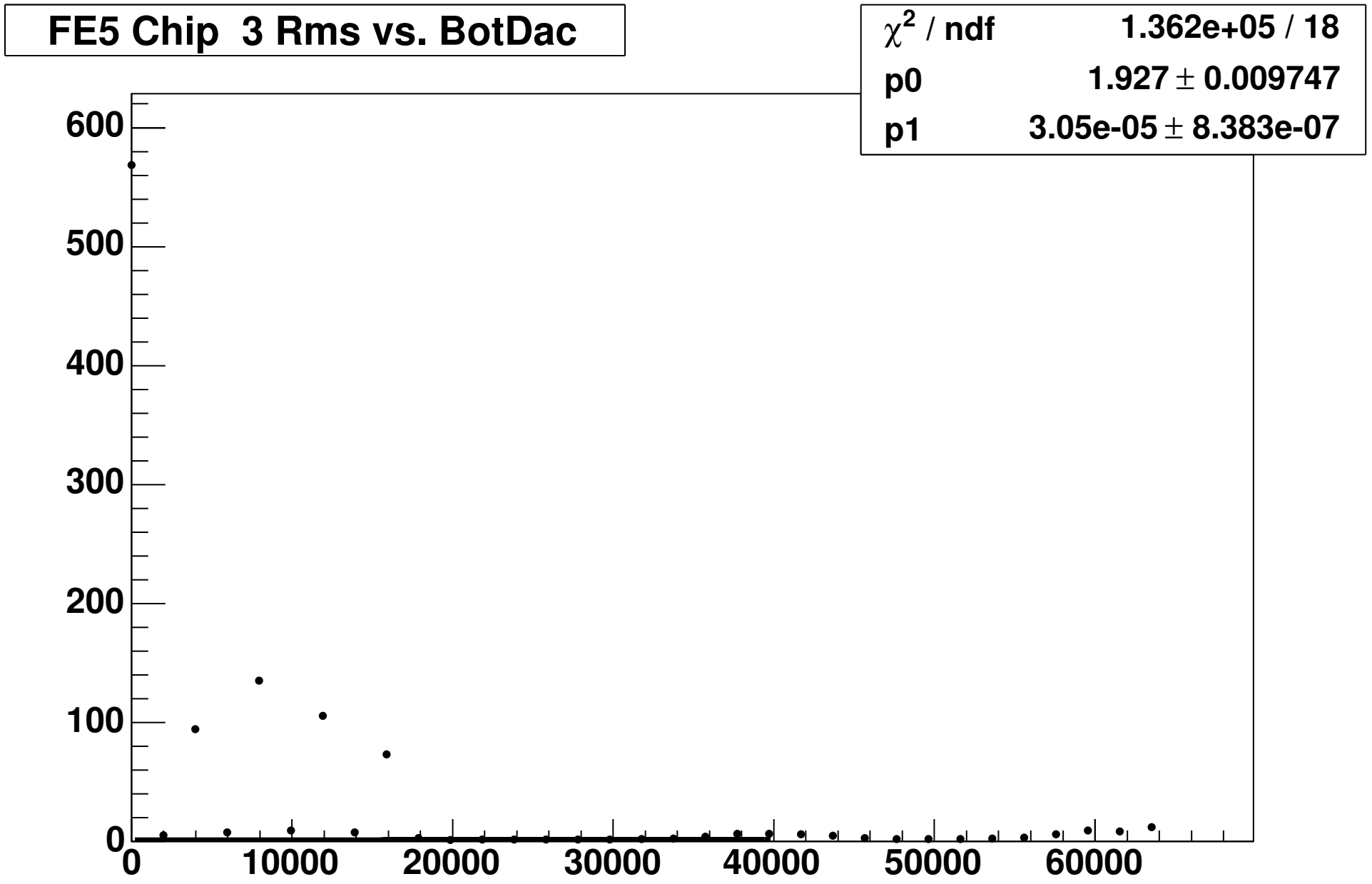

FE5 Chip 2 Mean vs. BotDac
χ² / ndf 6.844e+10 / 18
p0 571.8 ± 0.01484
p1 0.3401 ± 5.866e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

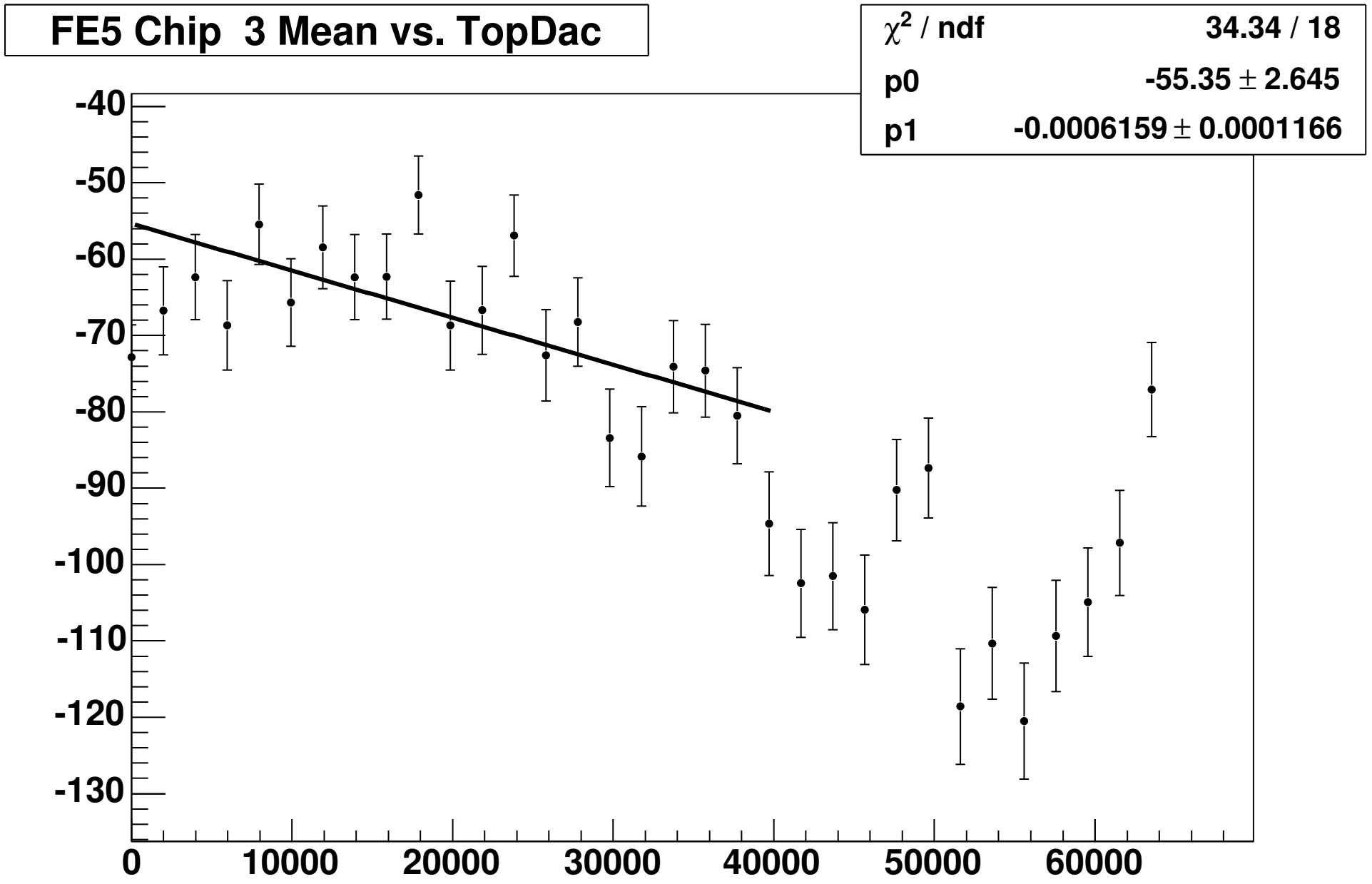

FE5 Chip 2 Rms vs. BotDac
χ² / ndf 1.145e+05 / 18
p0 2.055 ± 0.008018
p1 2.985e-05 ± 7.415e-07
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
60000

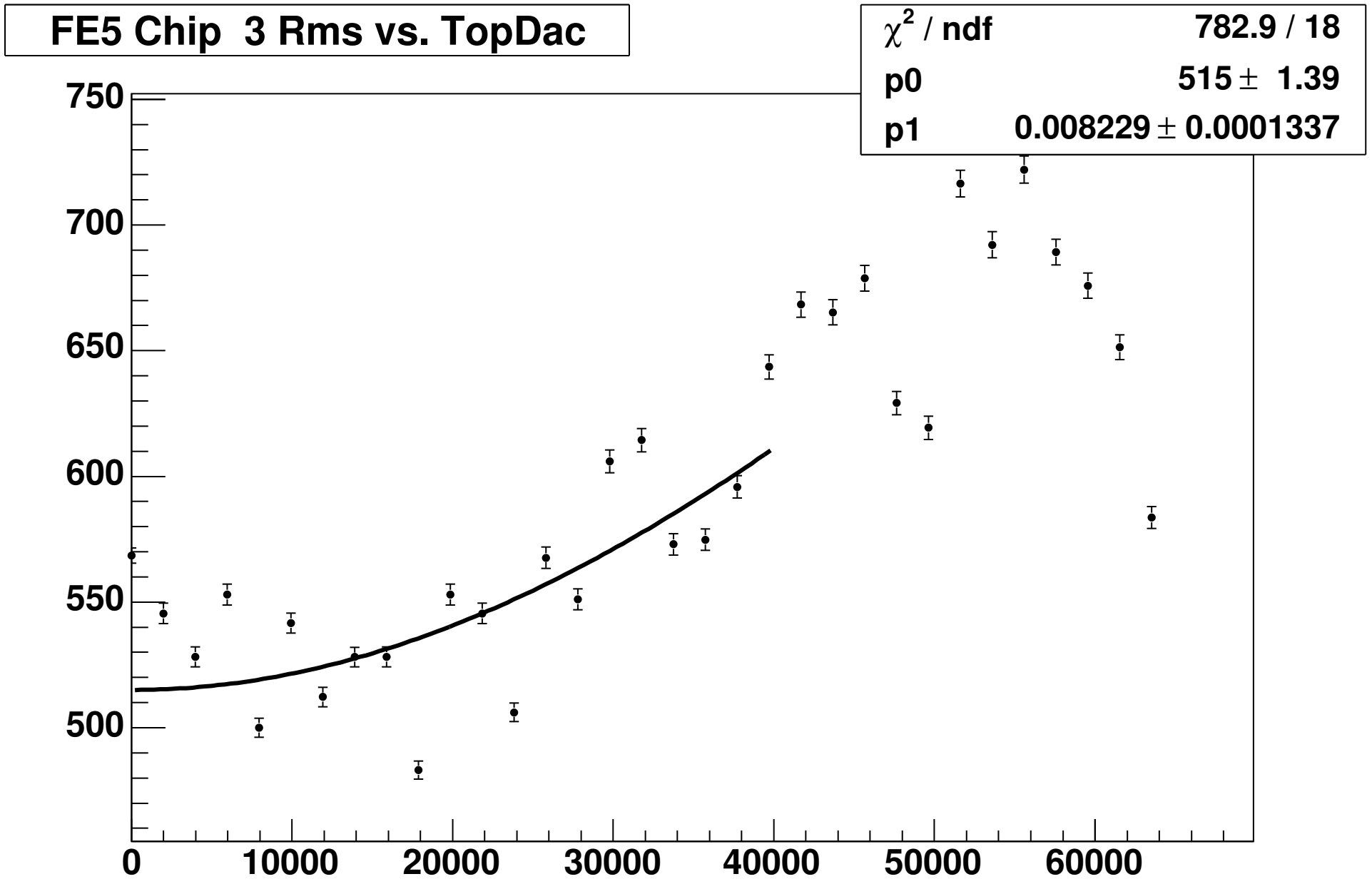

FE5 Chip 2 Mean vs. TopDac
χ² / ndf 104.4 / 18
p0 4.649 ± 0.009459
p1 -3.978e-06 ± 4.589e-07
4.5
4
3.5
3
2.5
2
0
10000
20000
30000
40000
50000
60000

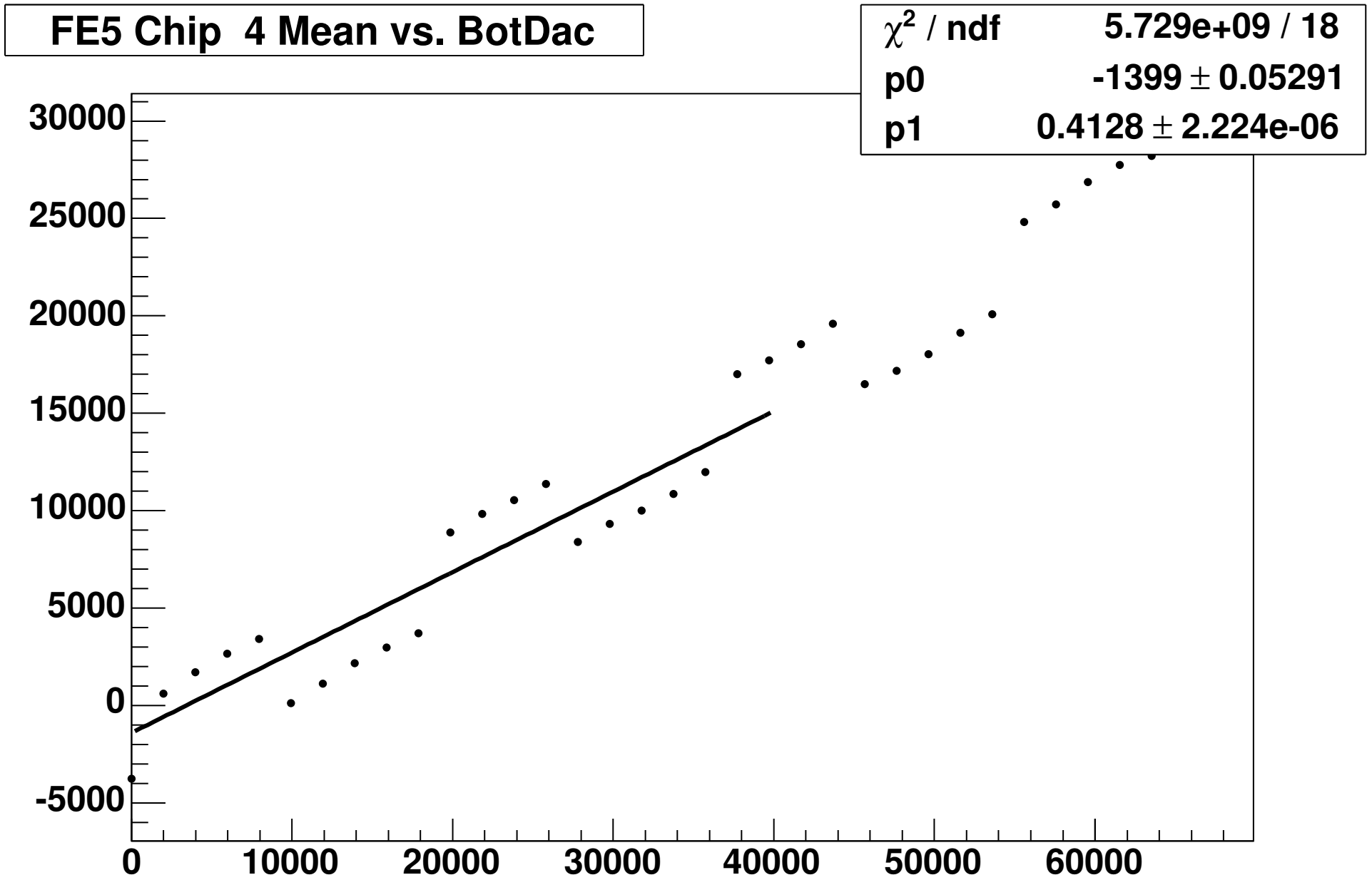

FE5 Chip 2 Rms vs. TopDac
χ² / ndf 1.859e+05 / 18
p0 1.556 ± 0.005433
p1 1.677e-05 ± 8.539e-07
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000

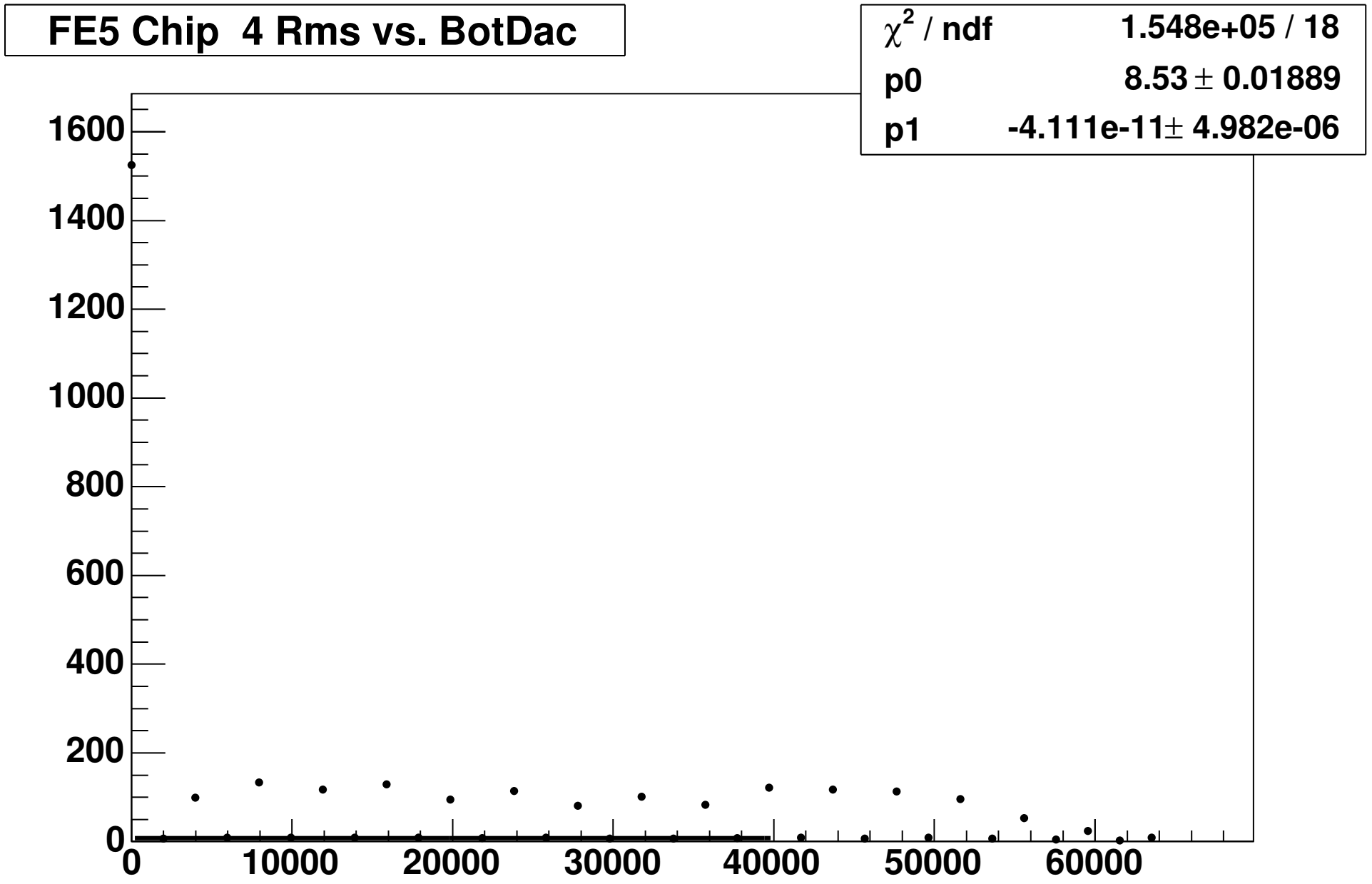

FE5 Chip 3 Mean vs. BotDac
χ² / ndf 7.477e+10 / 18
p0 2804 ± 0.02795
p1 0.2649 ± 1.08e-06
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

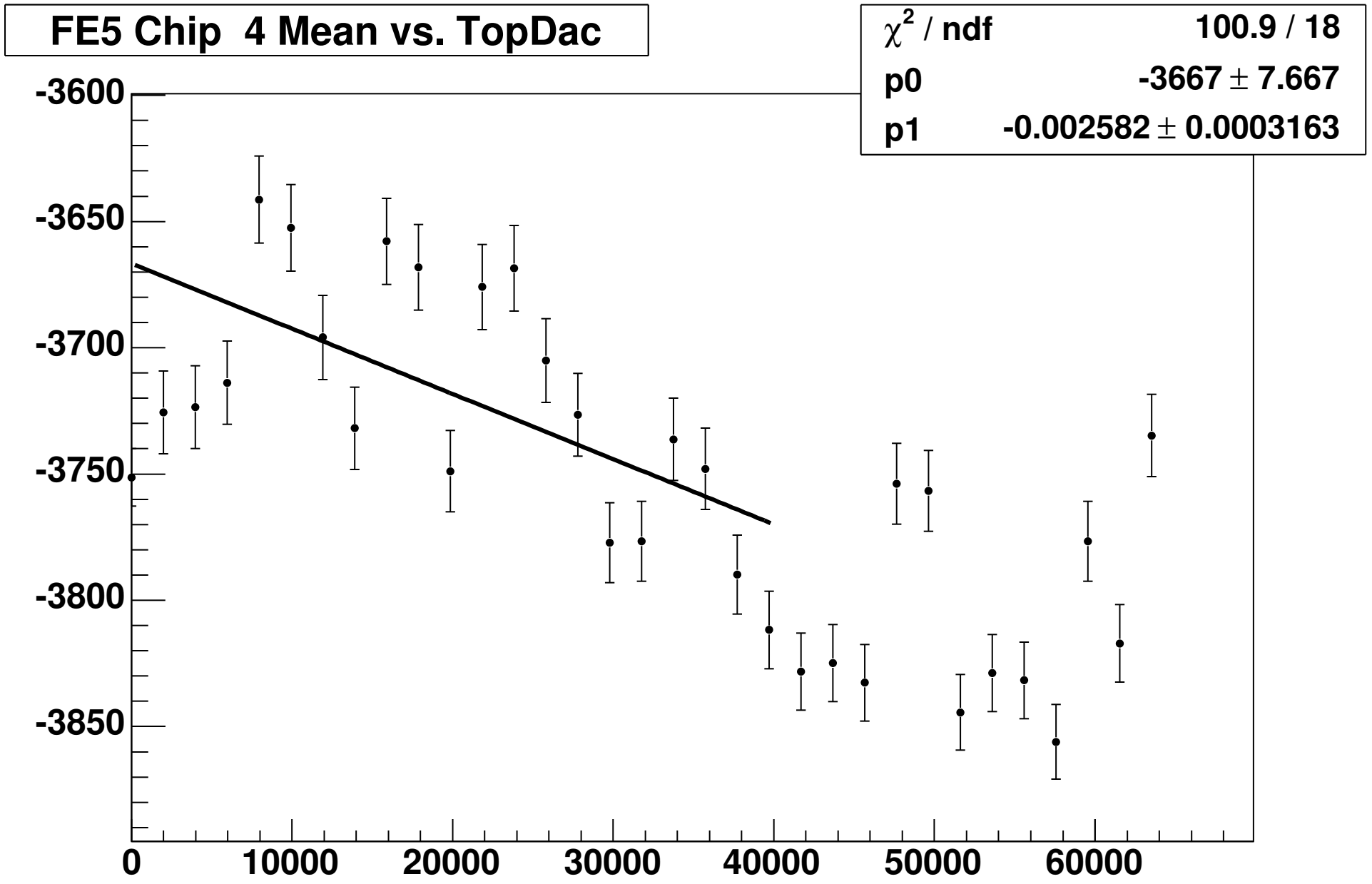

FE5 Chip 3 Rms vs. BotDac
χ² / ndf 1.362e+05 / 18
p0 1.927 ± 0.009747
p1 3.05e-05 ± 8.383e-07
600
500
400
300
200
100
0
0
10000
20000
30000
40000
50000
60000

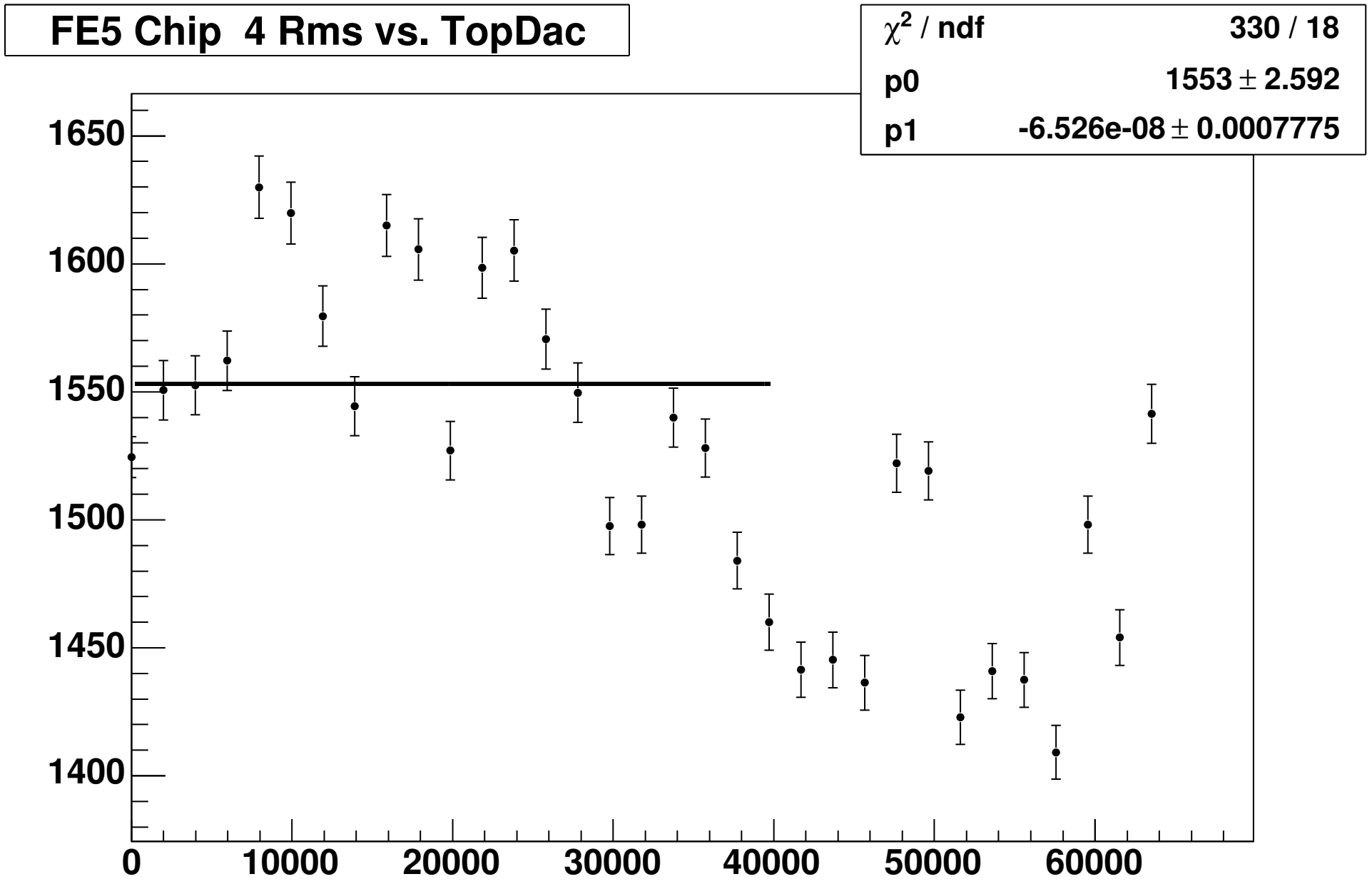

FE5 Chip 3 Mean vs. TopDac
χ² / ndf 34.34 / 18
p0 -55.35 ± 2.645
p1 -0.0006159 ± 0.0001166
-40
-50
-60
-70
-80
-90
-100
-110
-120
-130
0
10000
20000
30000
40000
50000
60000

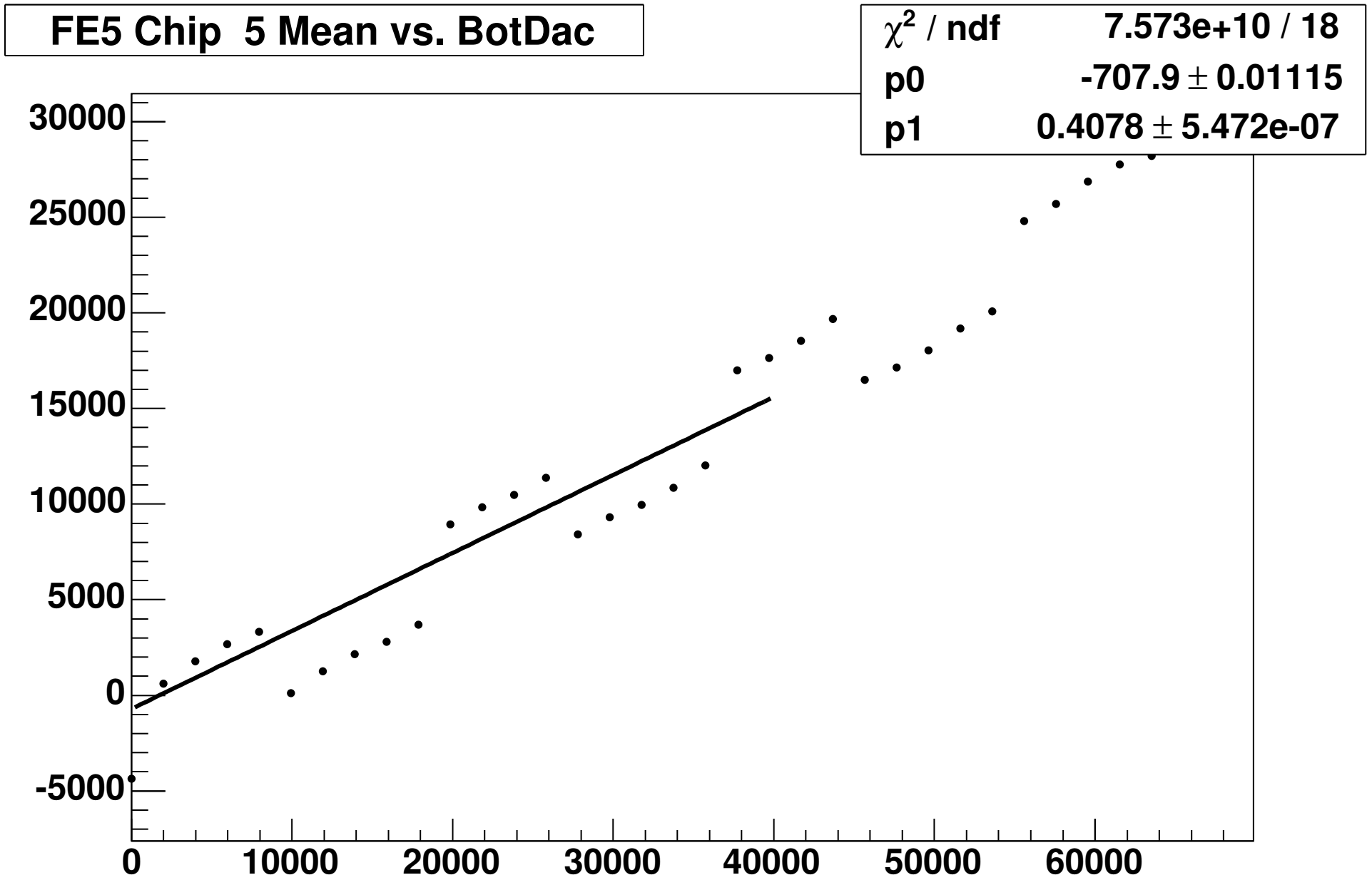

FE5 Chip 3 Rms vs. TopDac
χ² / ndf 782.9 / 18
p0 515 ± 1.39
p1 0.008229 ± 0.0001337
750
700
650
600
550
500
0
10000
20000
30000
40000
50000
60000

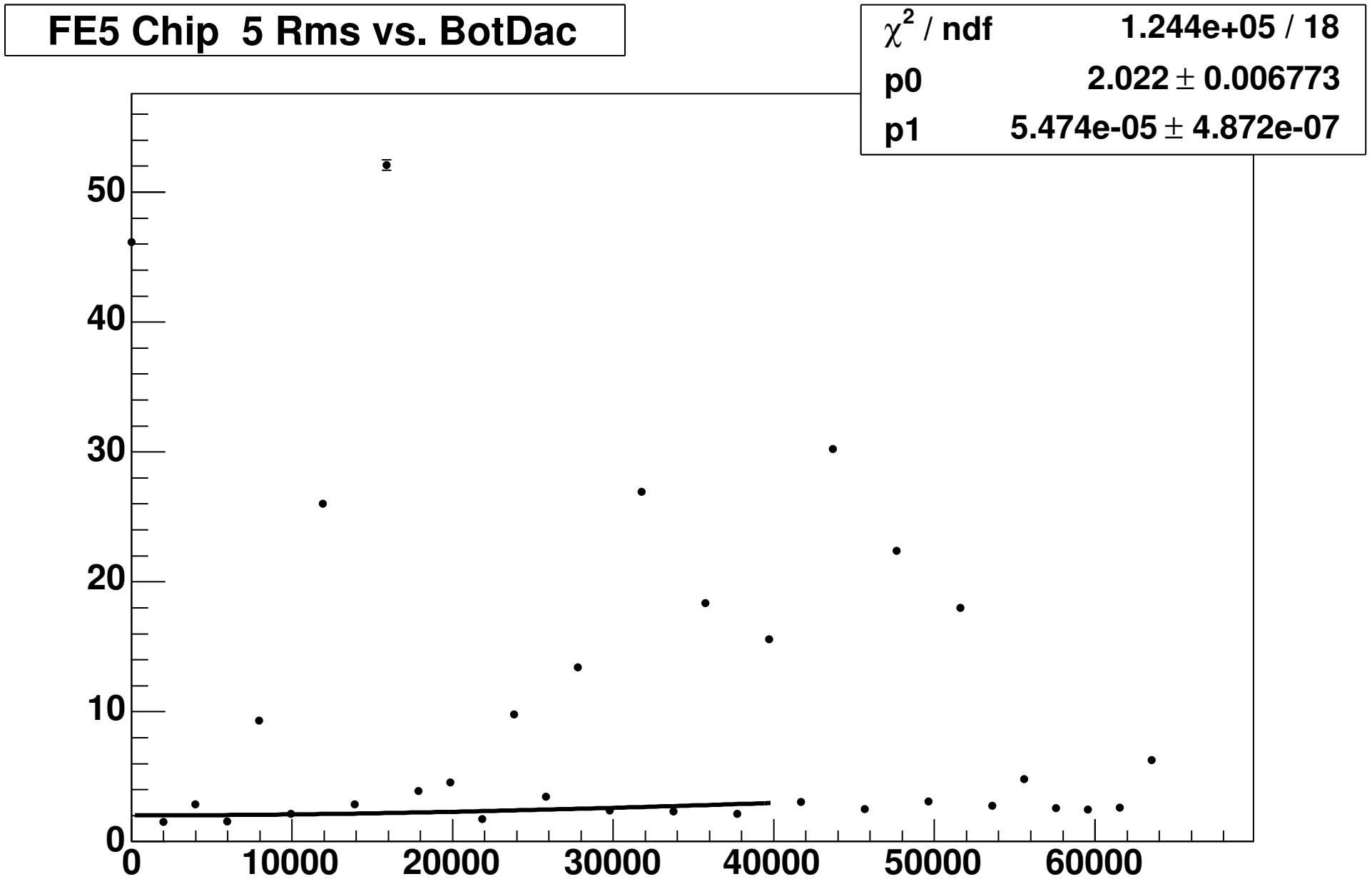

FE5 Chip 4 Mean vs. BotDac
χ² / ndf 5.729e+09 / 18
p0 -1399 ± 0.05291
p1 0.4128 ± 2.224e-06
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

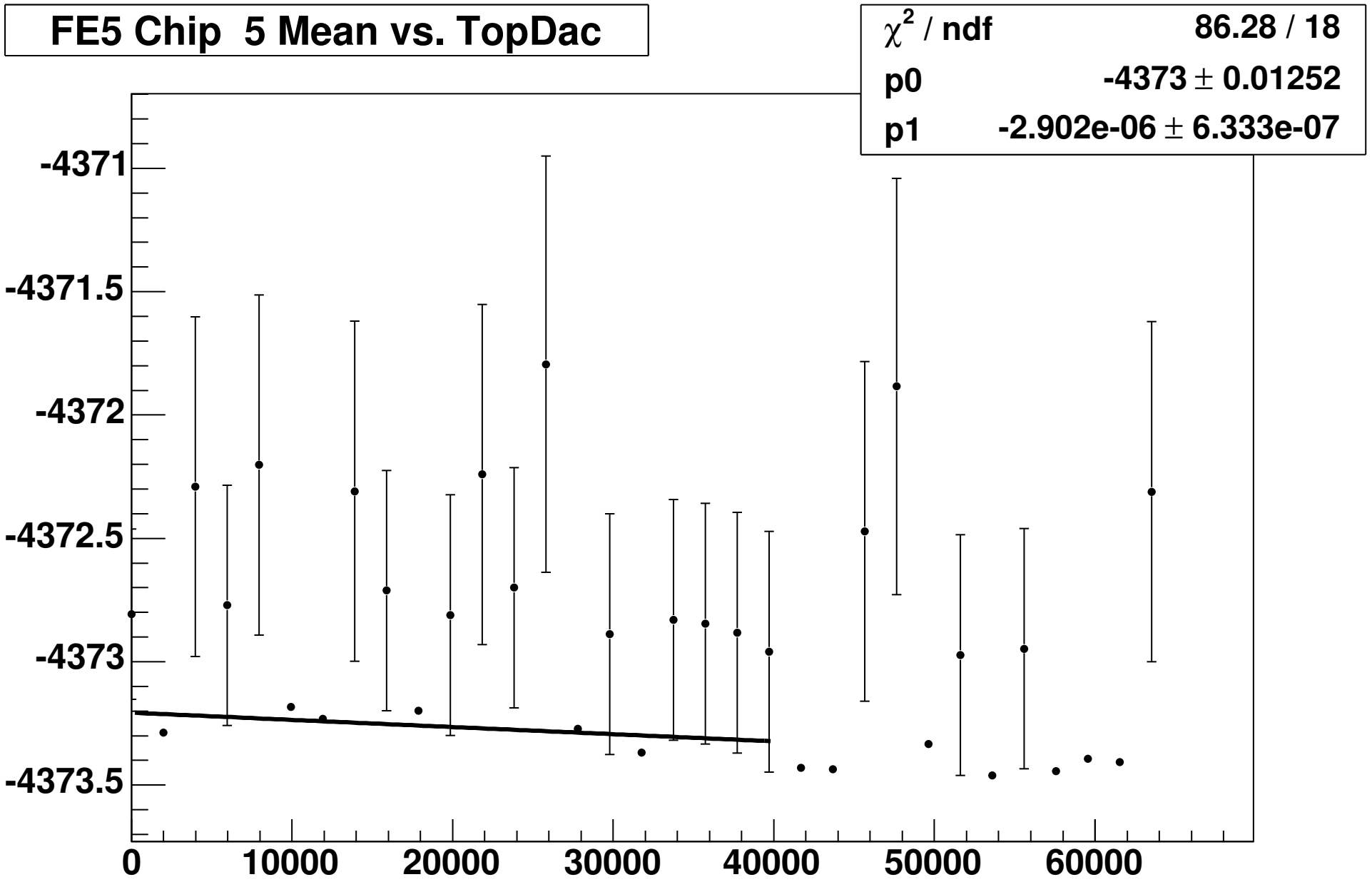

FE5 Chip 4 Rms vs. BotDac
χ² / ndf 1.548e+05 / 18
p0 8.53 ± 0.01889
p1 -4.111e-11 ± 4.982e-06
1600
1400
1200
1000
800
600
400
200
0
0
10000
20000
30000
40000
50000
60000

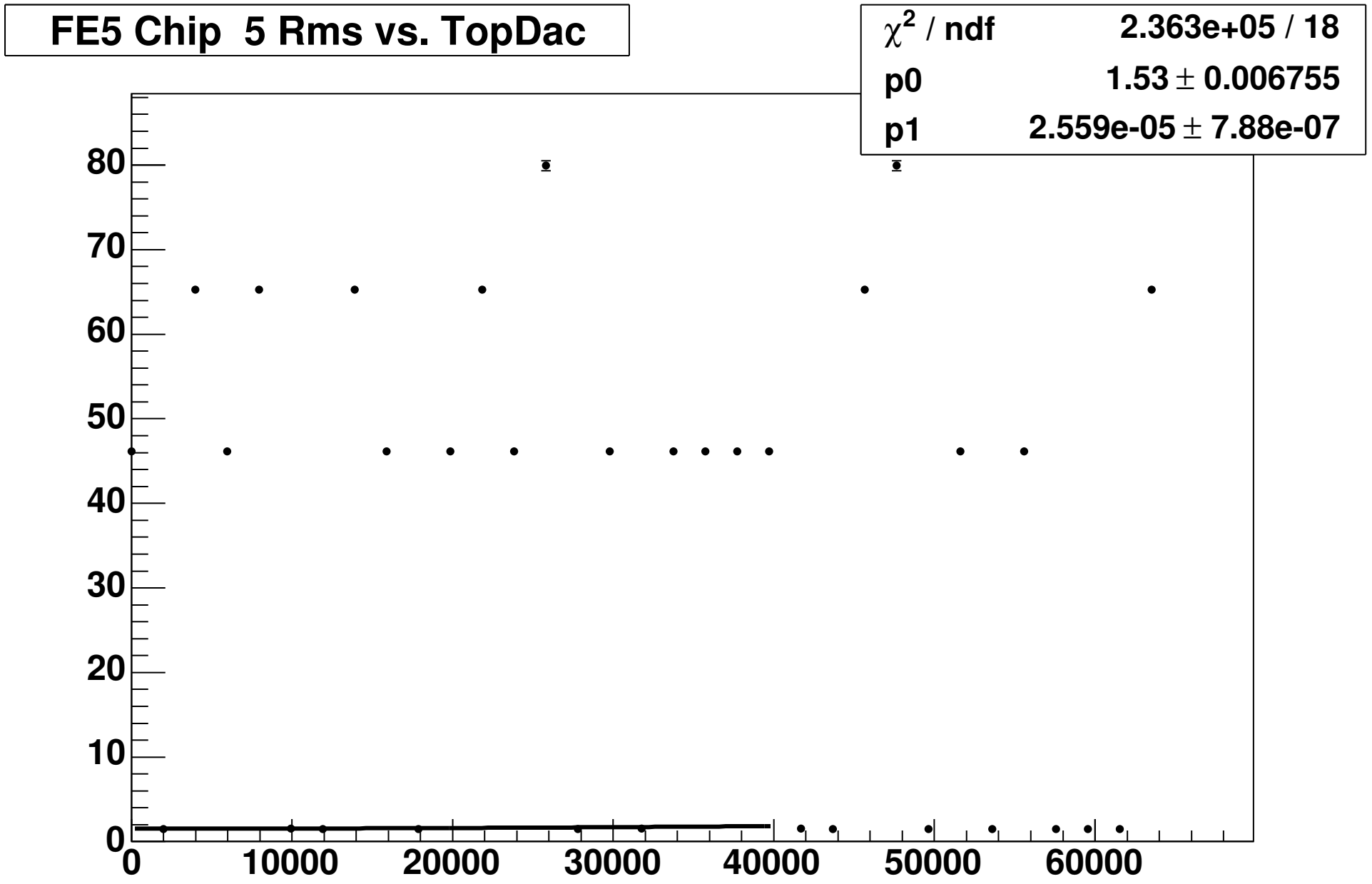

FE5 Chip 4 Mean vs. TopDac
χ² / ndf 100.9 / 18
p0 -3667 ± 7.667
p1 -0.002582 ± 0.0003163
-3600
-3650
-3700
-3750
-3800
-3850
0
10000
20000
30000
40000
50000
60000

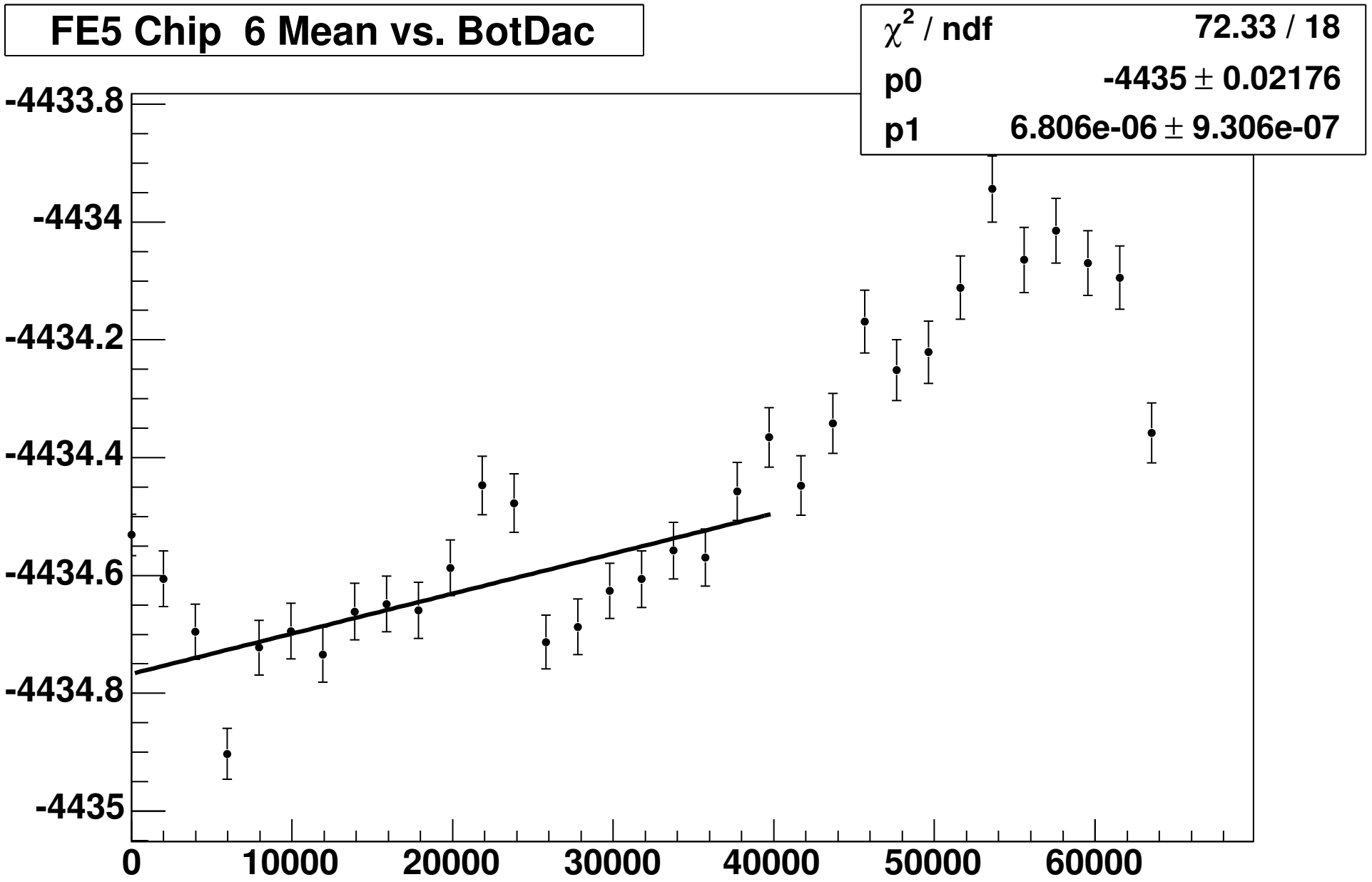

FE5 Chip 4 Rms vs. TopDac
χ² / ndf 330 / 18
p0 1553 ± 2.592
p1 -6.526e-08 ± 0.0007775
1650
1600
1550
1500
1450
1400
0
10000
20000
30000
40000
50000
60000

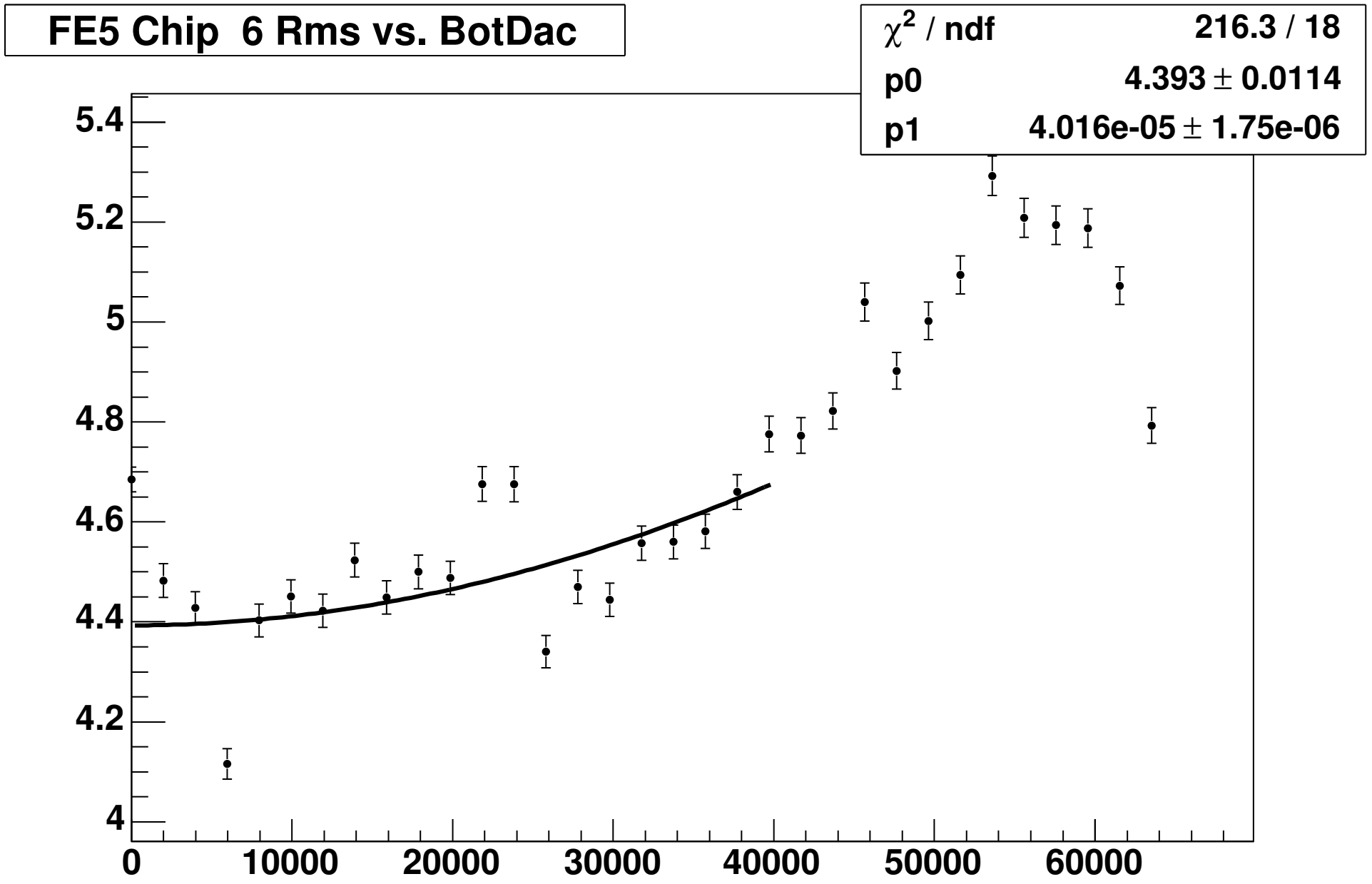

FE5 Chip 5 Mean vs. BotDac
χ² / ndf 7.573e+10 / 18
p0 -707.9 ± 0.01115
p1 0.4078 ± 5.472e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

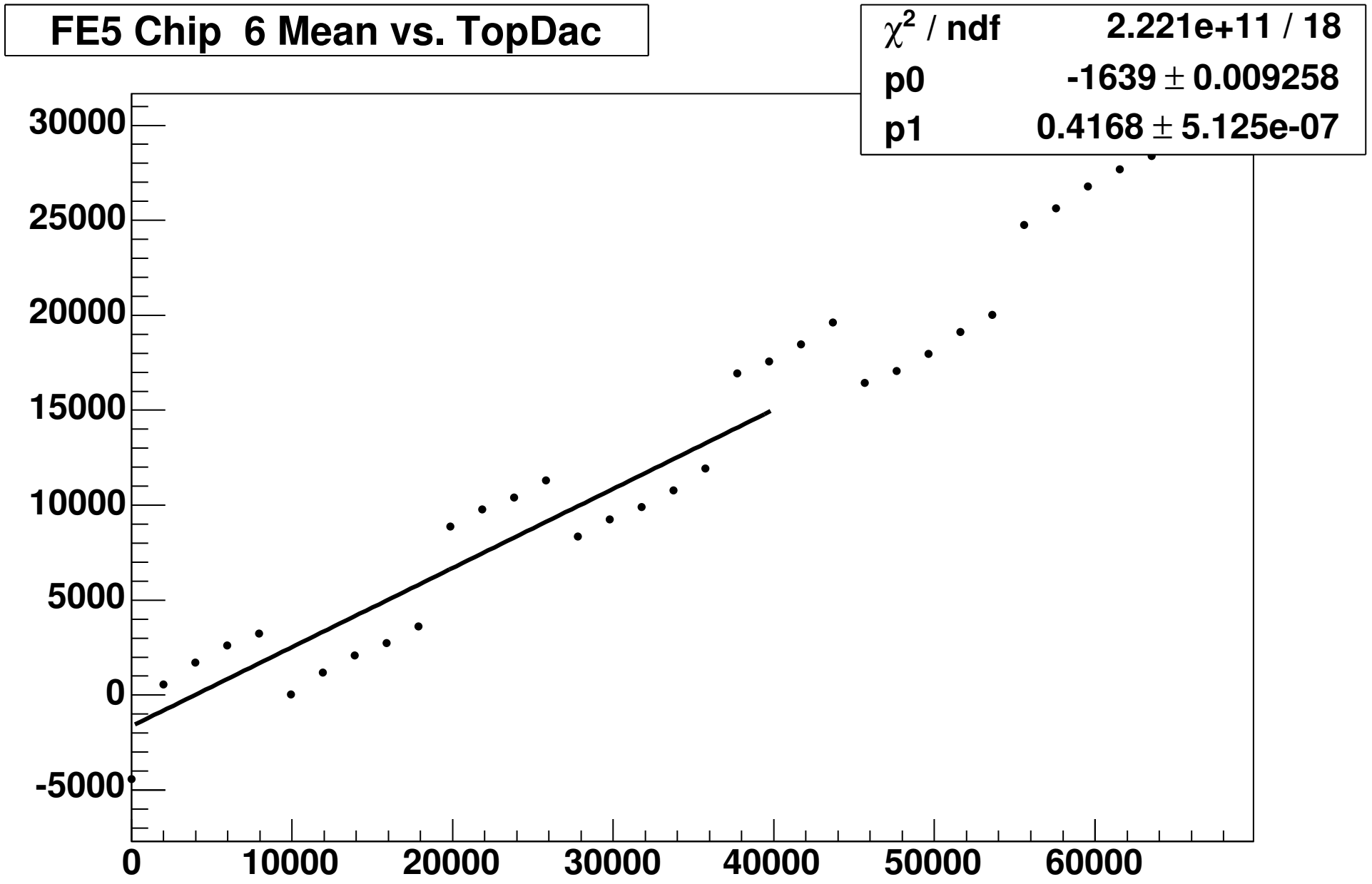

FE5 Chip 5 Rms vs. BotDac
χ² / ndf 1.244e+05 / 18
p0 2.022 ± 0.006773
p1 5.474e-05 ± 4.872e-07
0
10
20
30
40
50
0
10000
20000
30000
40000
50000
60000

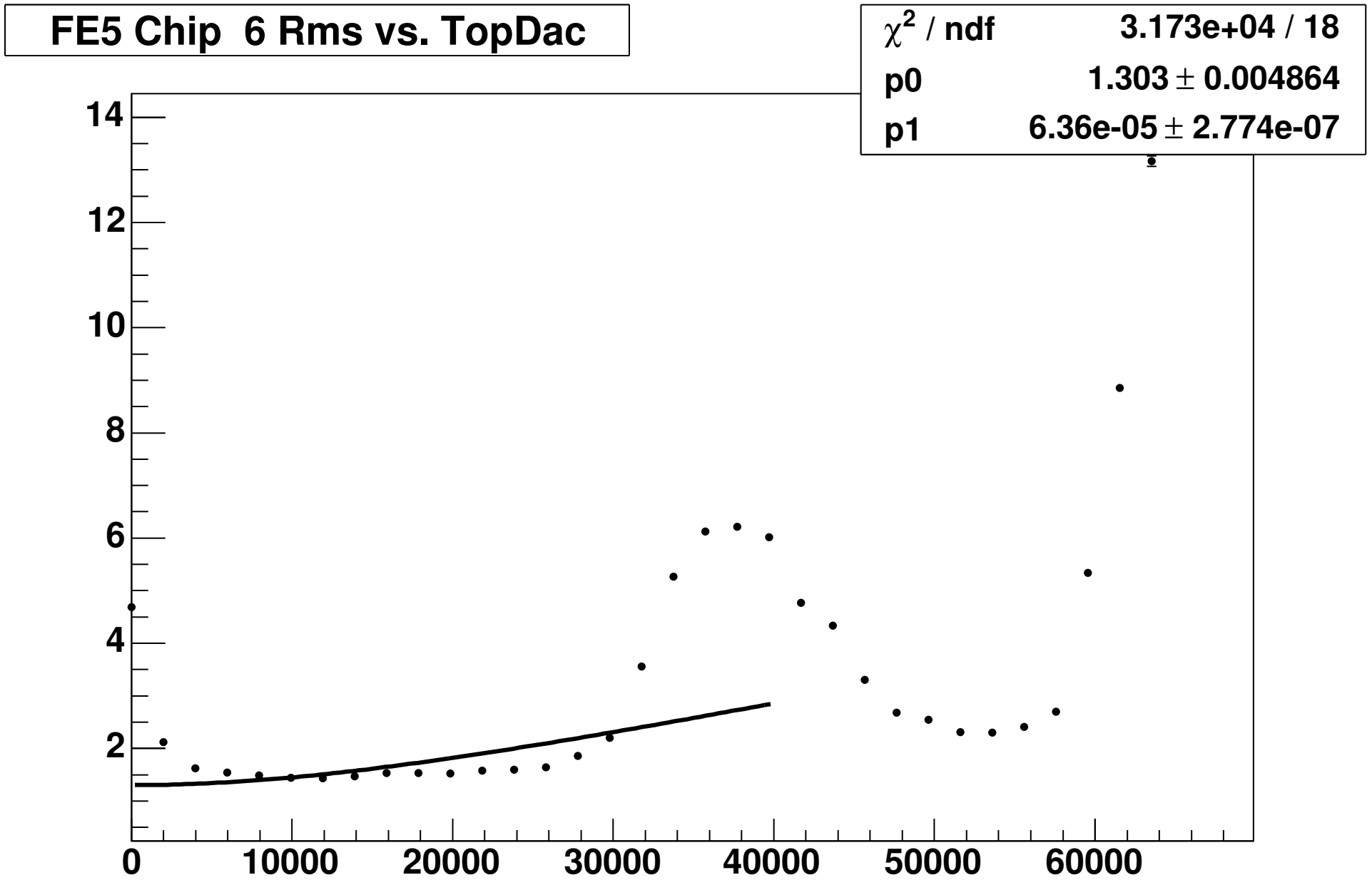

FE5 Chip 5 Mean vs. TopDac
χ² / ndf 86.28 / 18
p0 -4373 ± 0.01252
p1 -2.902e-06 ± 6.333e-07
-4371
-4371.5
-4372
-4372.5
-4373
-4373.5
0
10000
20000
30000
40000
50000
60000

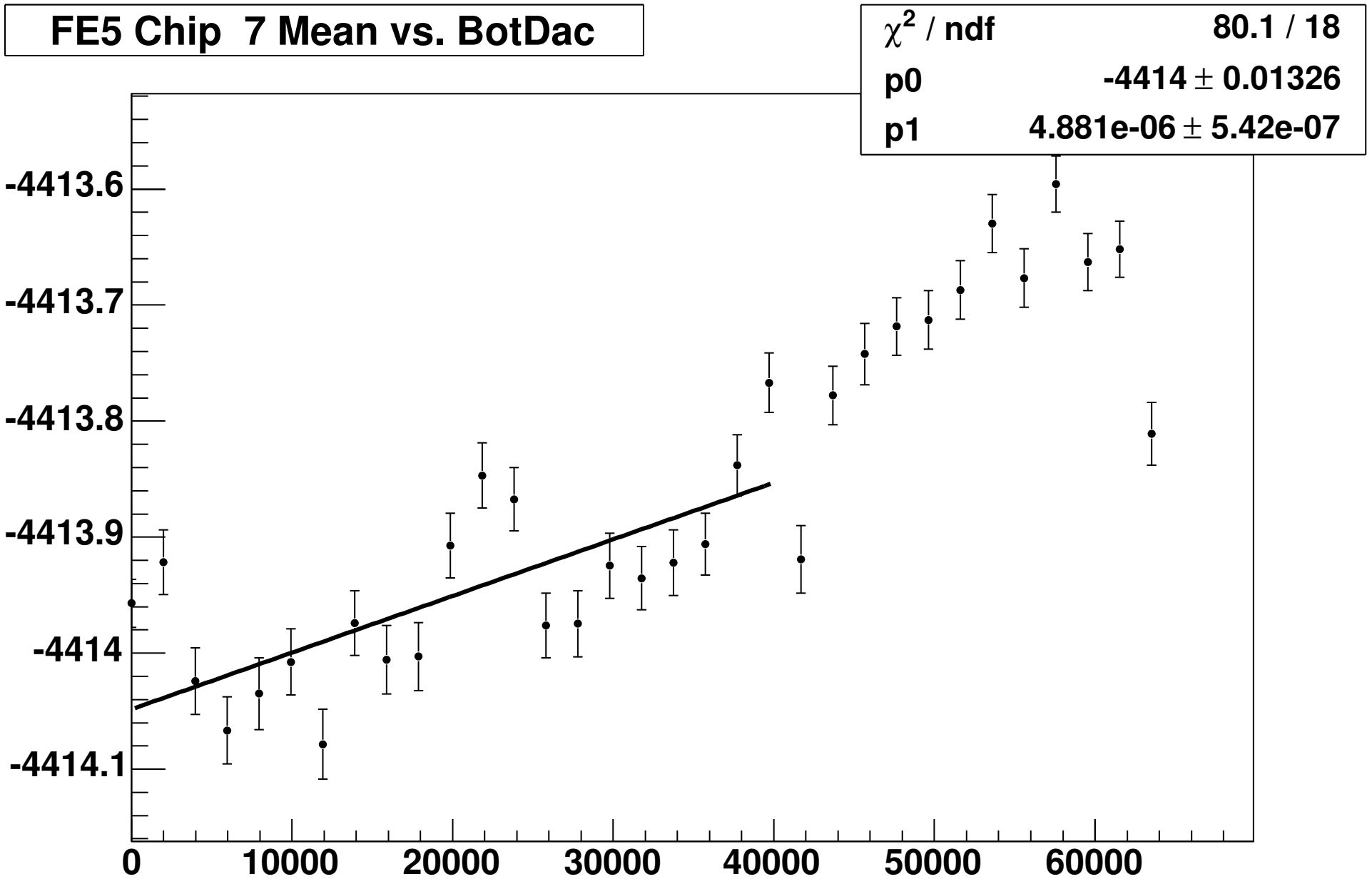

FE5 Chip 5 Rms vs. TopDac
χ² / ndf 2.363e+05 / 18
p0 1.53 ± 0.006755
p1 2.559e-05 ± 7.88e-07
80
70
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000

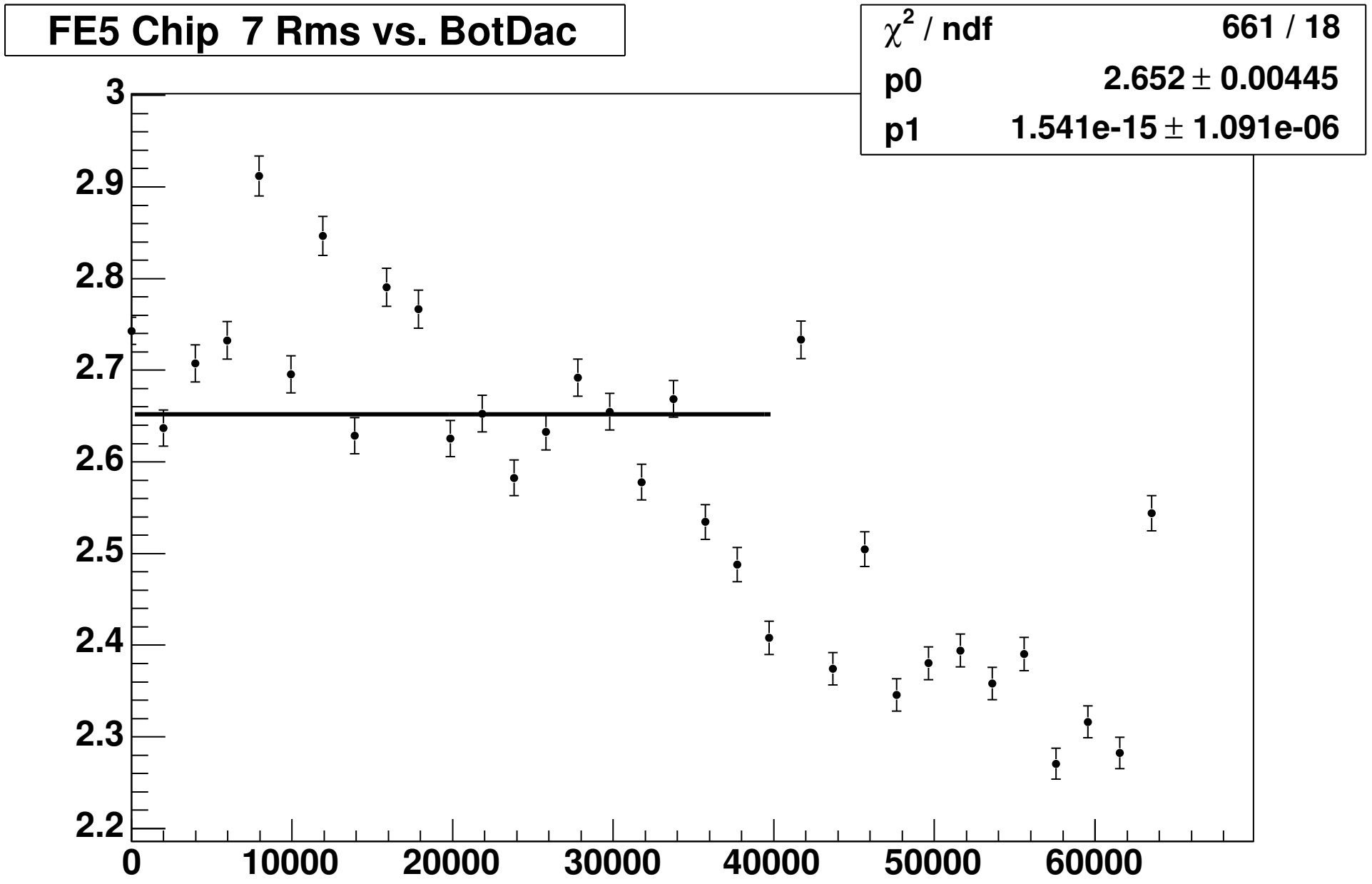

FE5 Chip 6 Mean vs. BotDac
χ² / ndf 72.33 / 18
p0 -4435 ± 0.02176
p1 6.806e-06 ± 9.306e-07
-4433.8
-4434
-4434.2
-4434.4
-4434.6
-4434.8
-4435
0
10000
20000
30000
40000
50000
60000

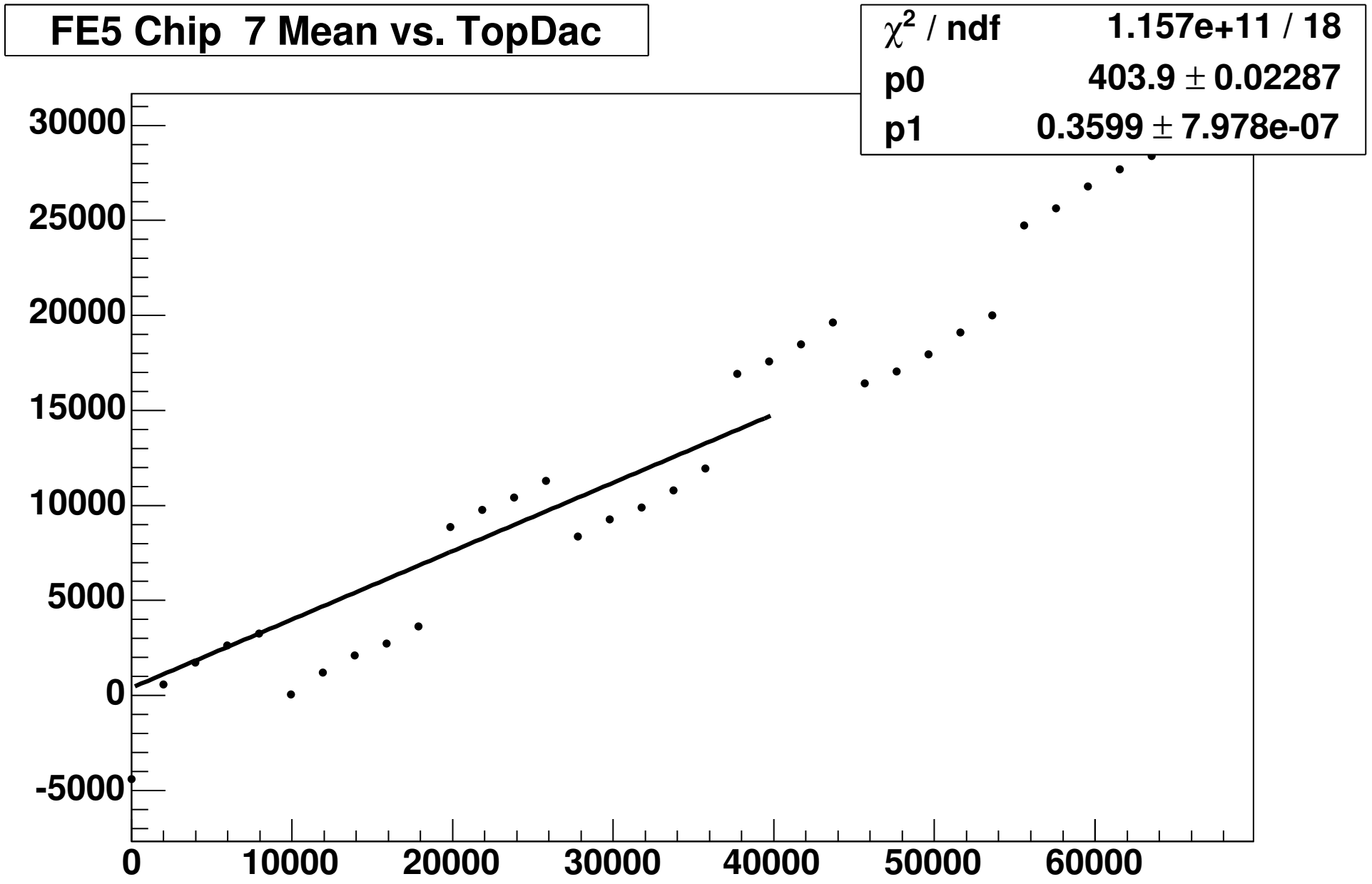

FE5 Chip 6 Rms vs. BotDac
χ² / ndf 216.3 / 18
p0 4.393 ± 0.0114
p1 4.016e-05 ± 1.75e-06
5.4
5.2
5
4.8
4.6
4.4
4.2
4
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Mean vs. TopDac
χ² / ndf 2.221e+11 / 18
p0 -1639 ± 0.009258
p1 0.4168 ± 5.125e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000


FE5 Chip 6 Rms vs. TopDac
χ² / ndf 3.173e+04 / 18
p0 1.303 ± 0.004864
p1 6.36e-05 ± 2.774e-07
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Mean vs. BotDac
χ^2 / ndf 80.1 / 18
p0 -4414 ± 0.01326
p1 4.881e-06 ± 5.42e-07
-4413.6
-4413.7
-4413.8
-4413.9
-4414
-4414.1
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Rms vs. BotDac
χ² / ndf 661 / 18
p0 2.652 ± 0.00445
p1 1.541e-15 ± 1.091e-06
3
2.9
2.8
2.7
2.6
2.5
2.4
2.3
2.2
0
10000
20000
30000
40000
50000
60000


FE5 Chip 7 Mean vs. TopDac
χ² / ndf 1.157e+11 / 18
p0 403.9 ± 0.02287
p1 0.3599 ± 7.978e-07
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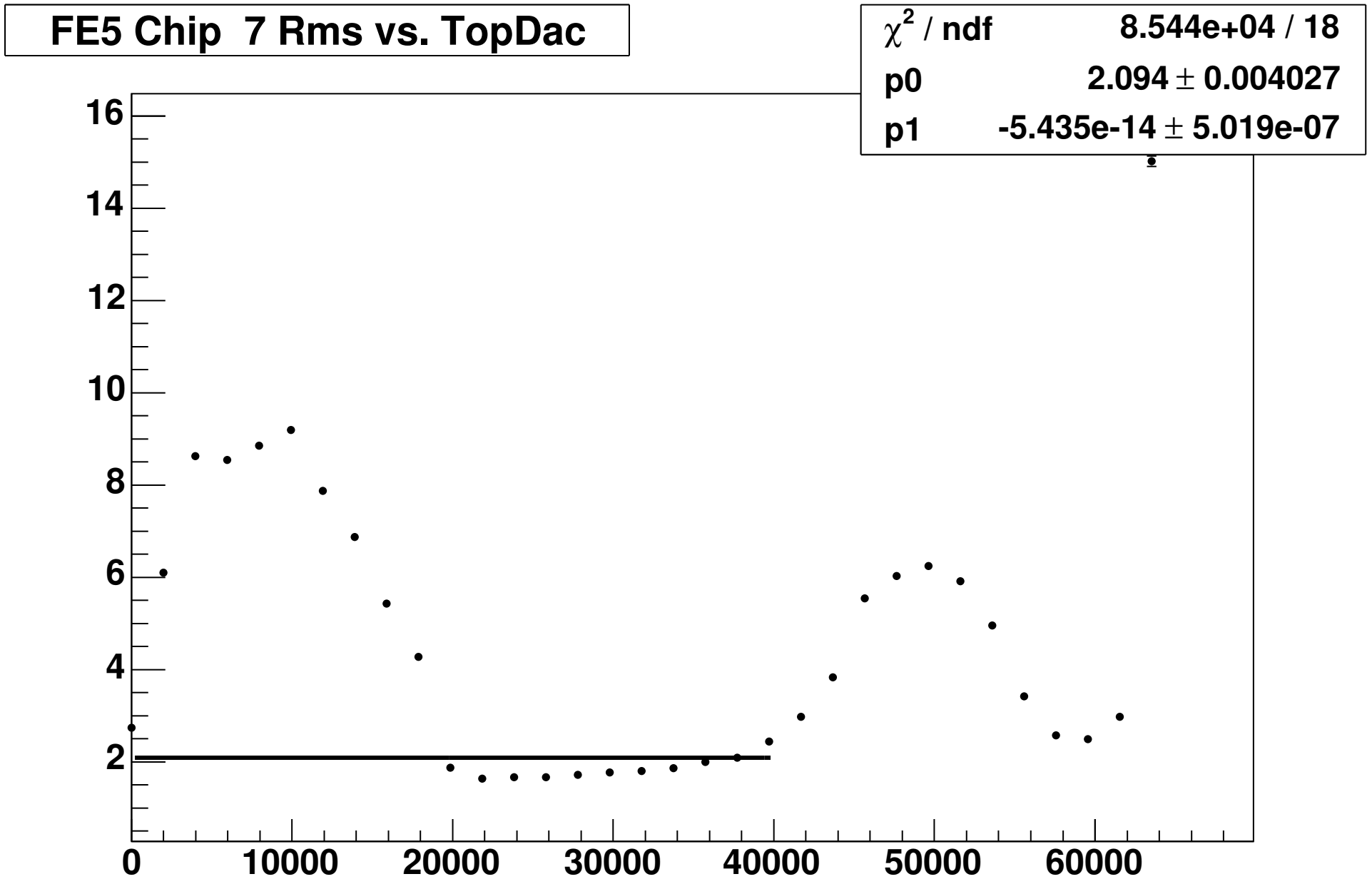
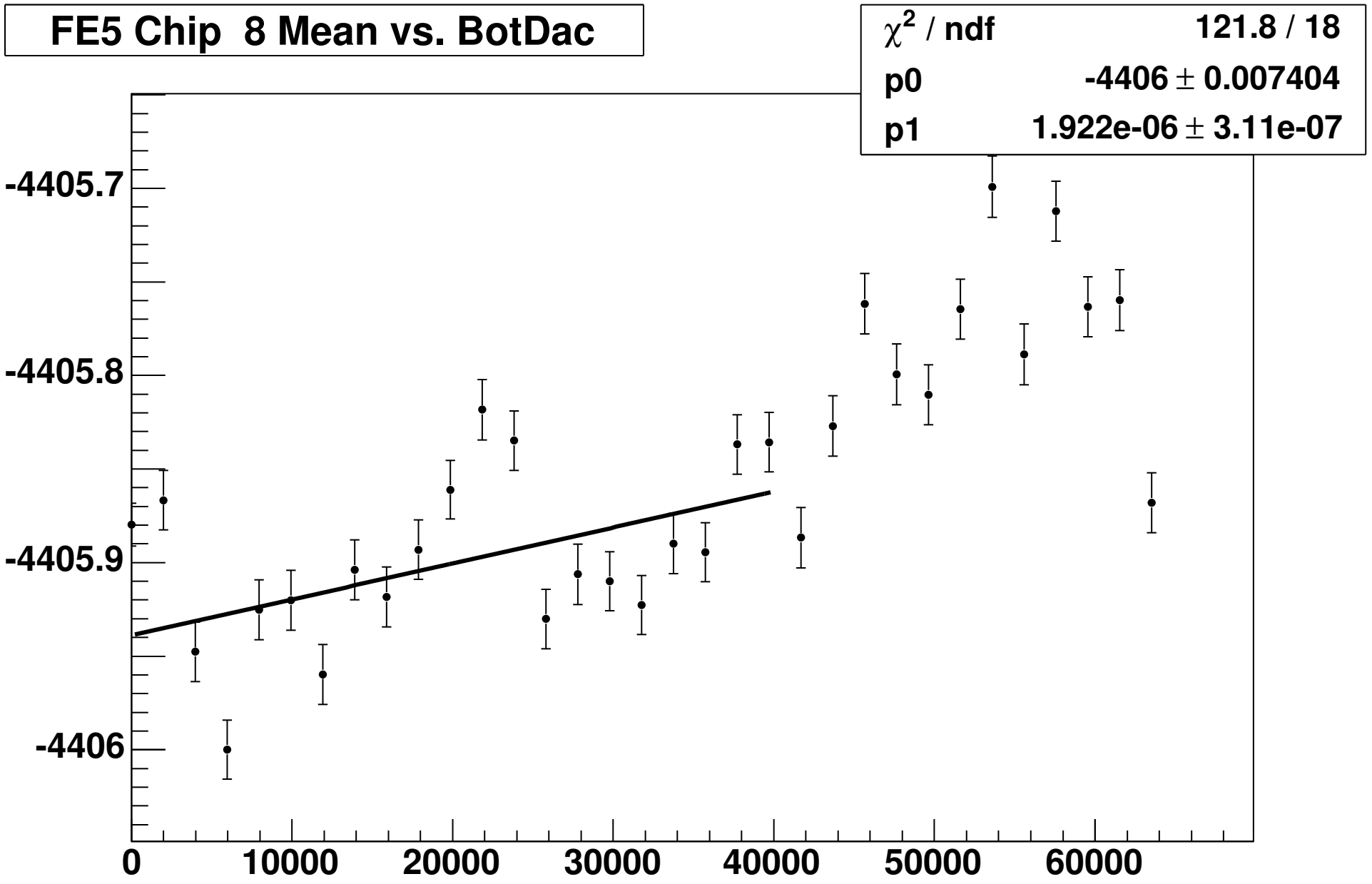
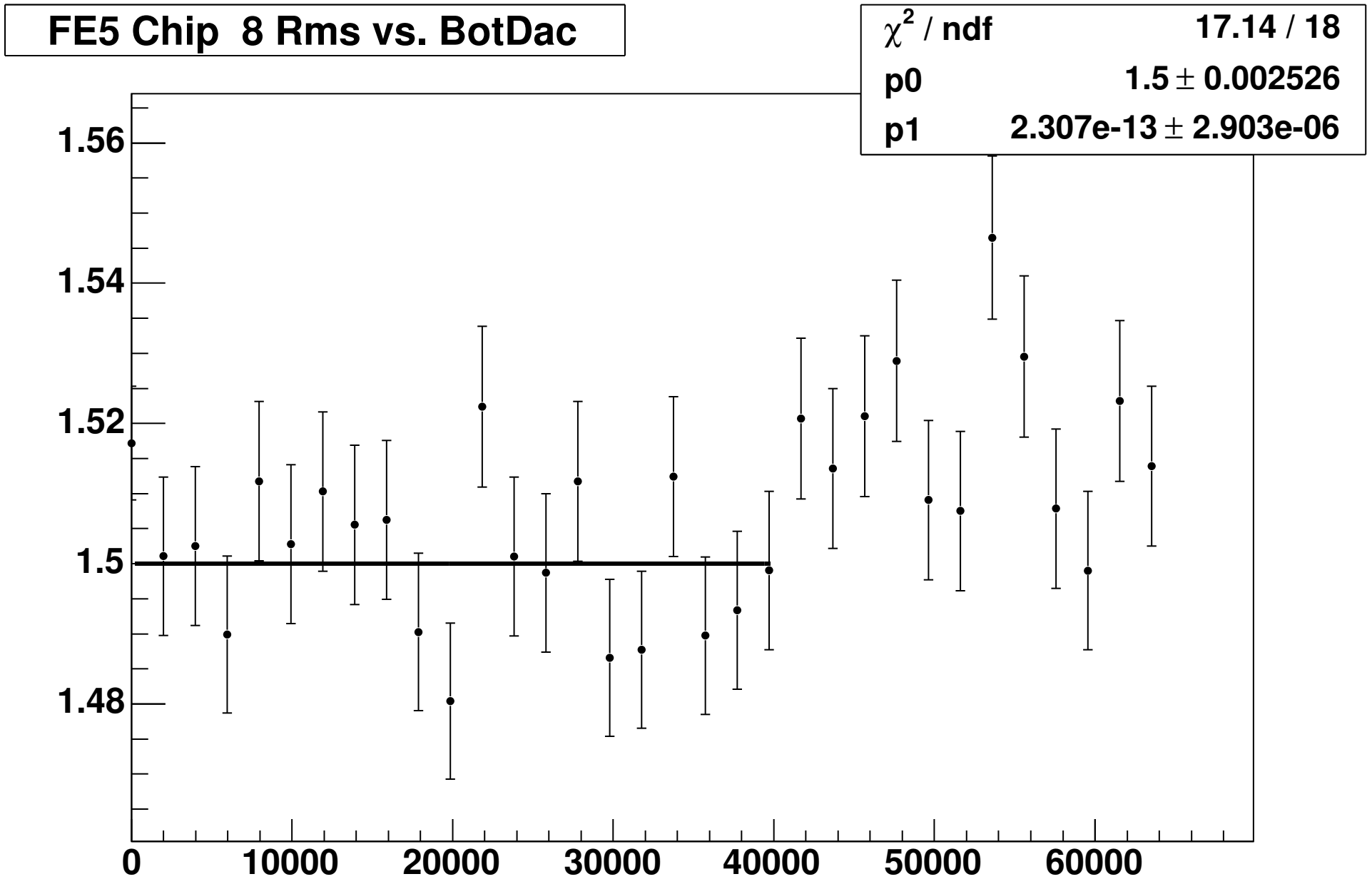
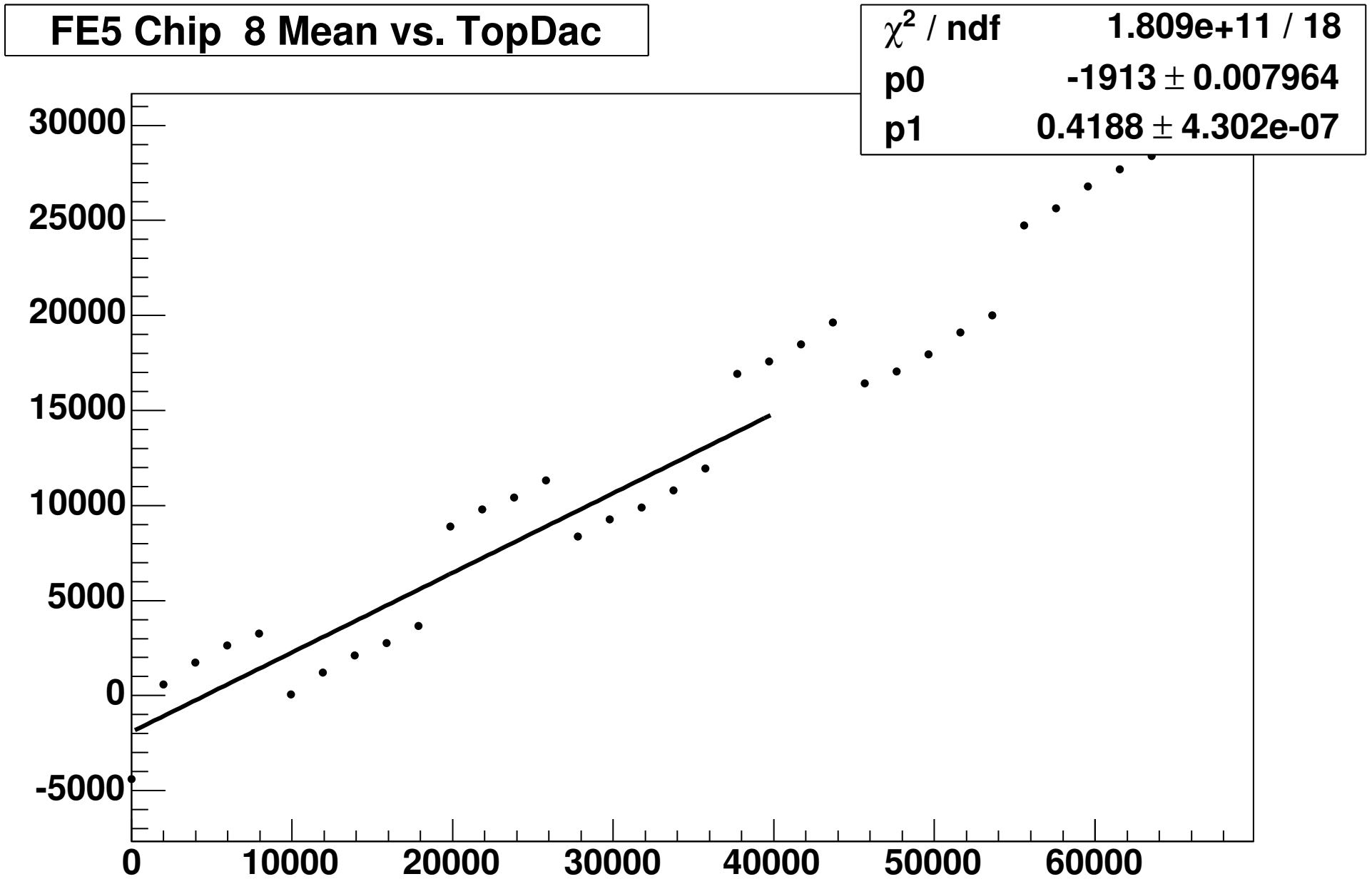
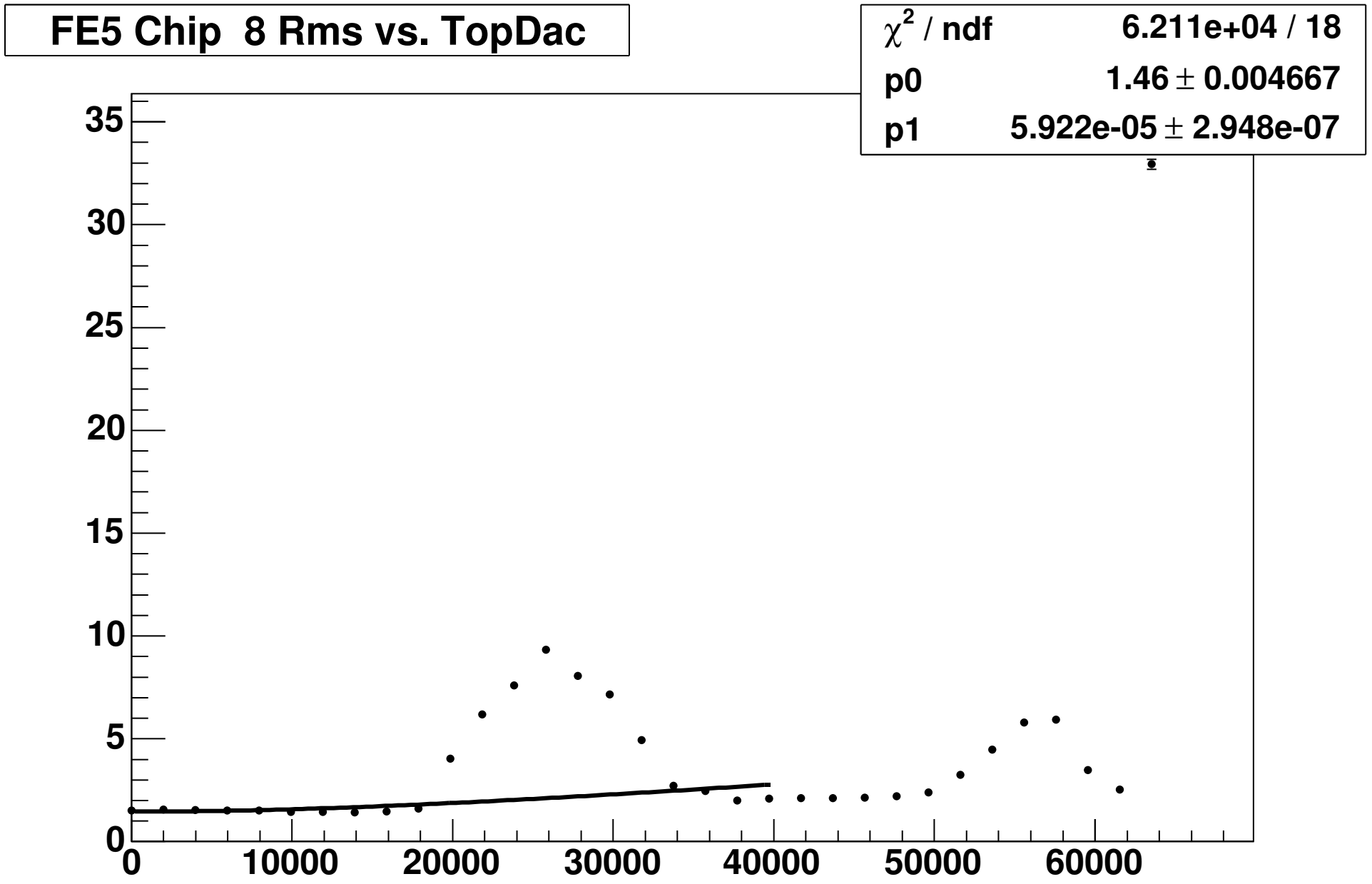
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

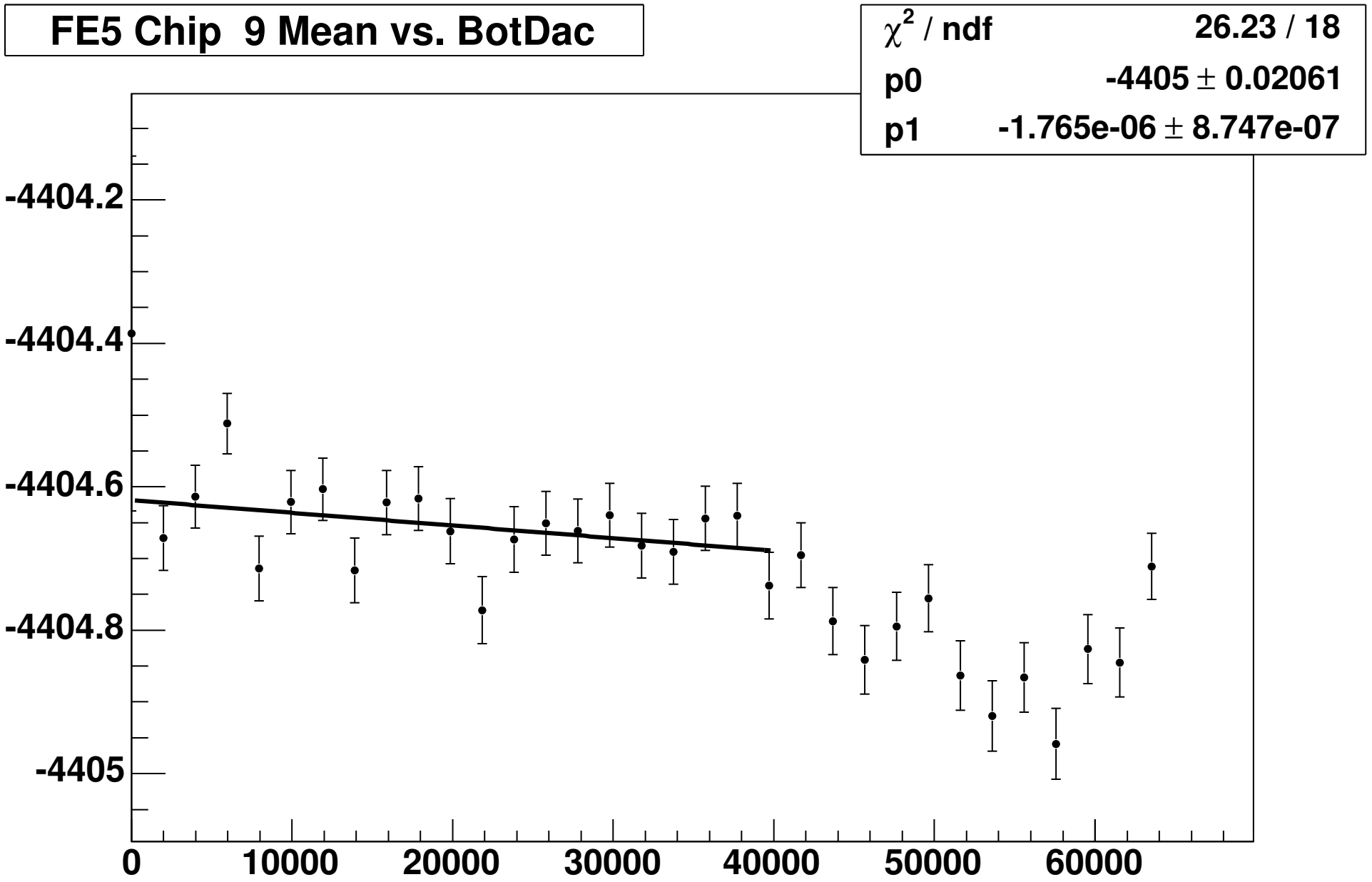

FE5 Chip 7 Rms vs. TopDac
χ² / ndf 8.544e+04 / 18
p0 2.094 ± 0.004027
p1 -5.435e-14 ± 5.019e-07
16
14
12
10
8
6
4
2
0
10000
20000
30000
40000
50000
60000

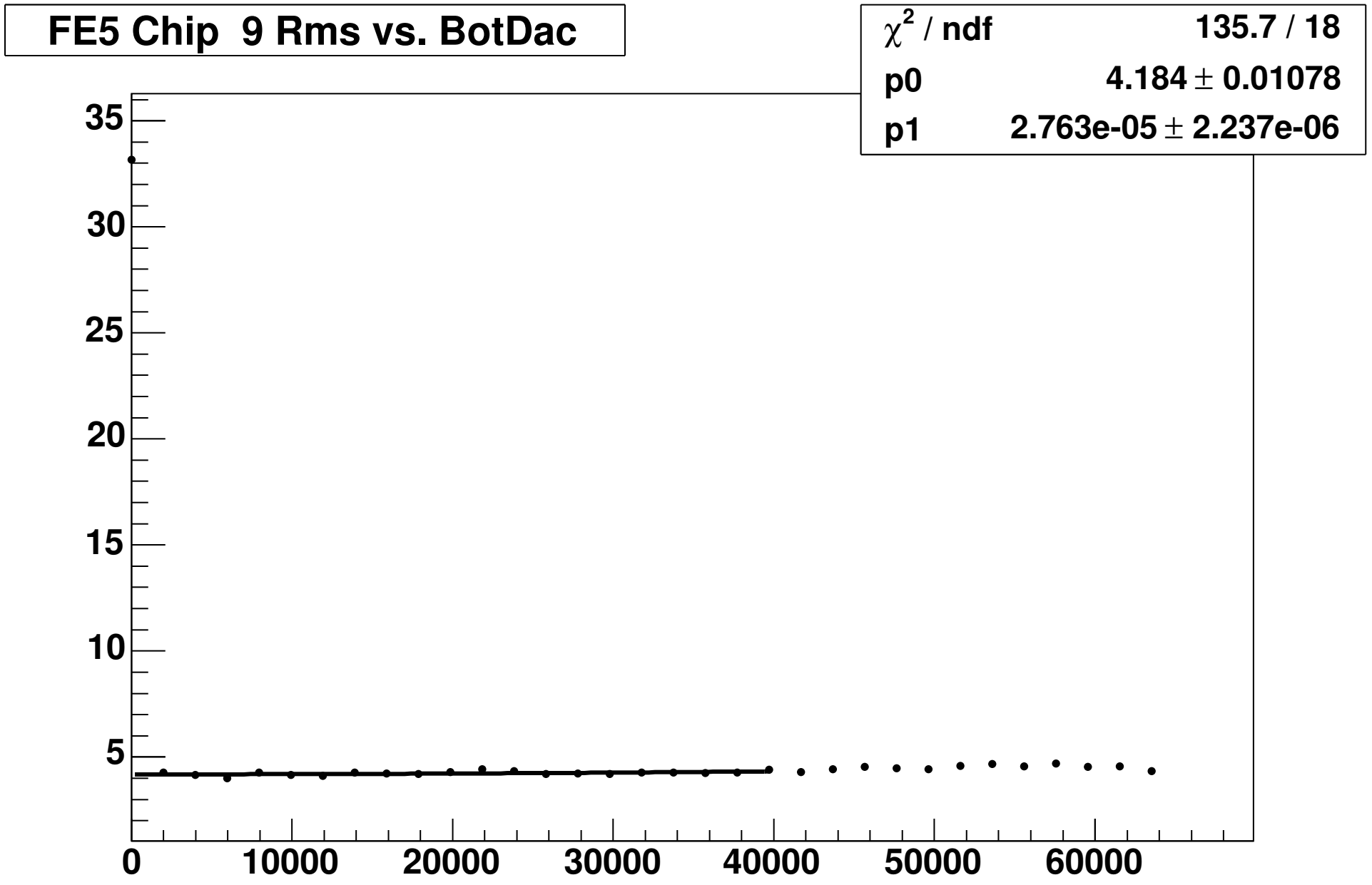

FE5 Chip 8 Mean vs. BotDac
χ² / ndf 121.8 / 18
p0 -4406 ± 0.007404
p1 1.922e-06 ± 3.11e-07
-4405.7
-4405.8
-4405.9
-4406
0
10000
20000
30000
40000
50000
60000

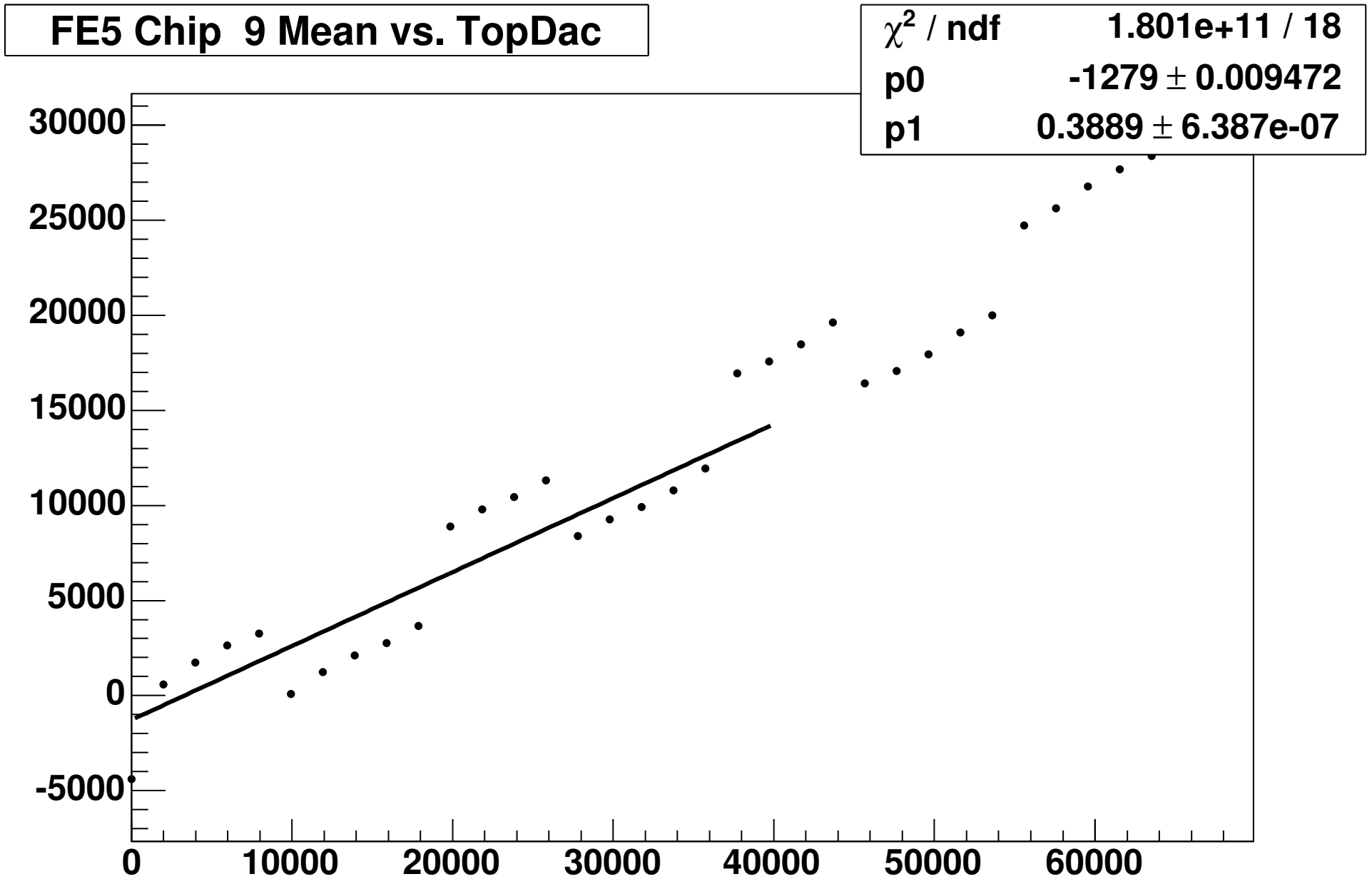

FE5 Chip 8 Rms vs. BotDac
χ² / ndf 17.14 / 18
p0 1.5 ± 0.002526
p1 2.307e-13 ± 2.903e-06
1.56
1.54
1.52
1.5
1.48
0
10000
20000
30000
40000
50000
60000

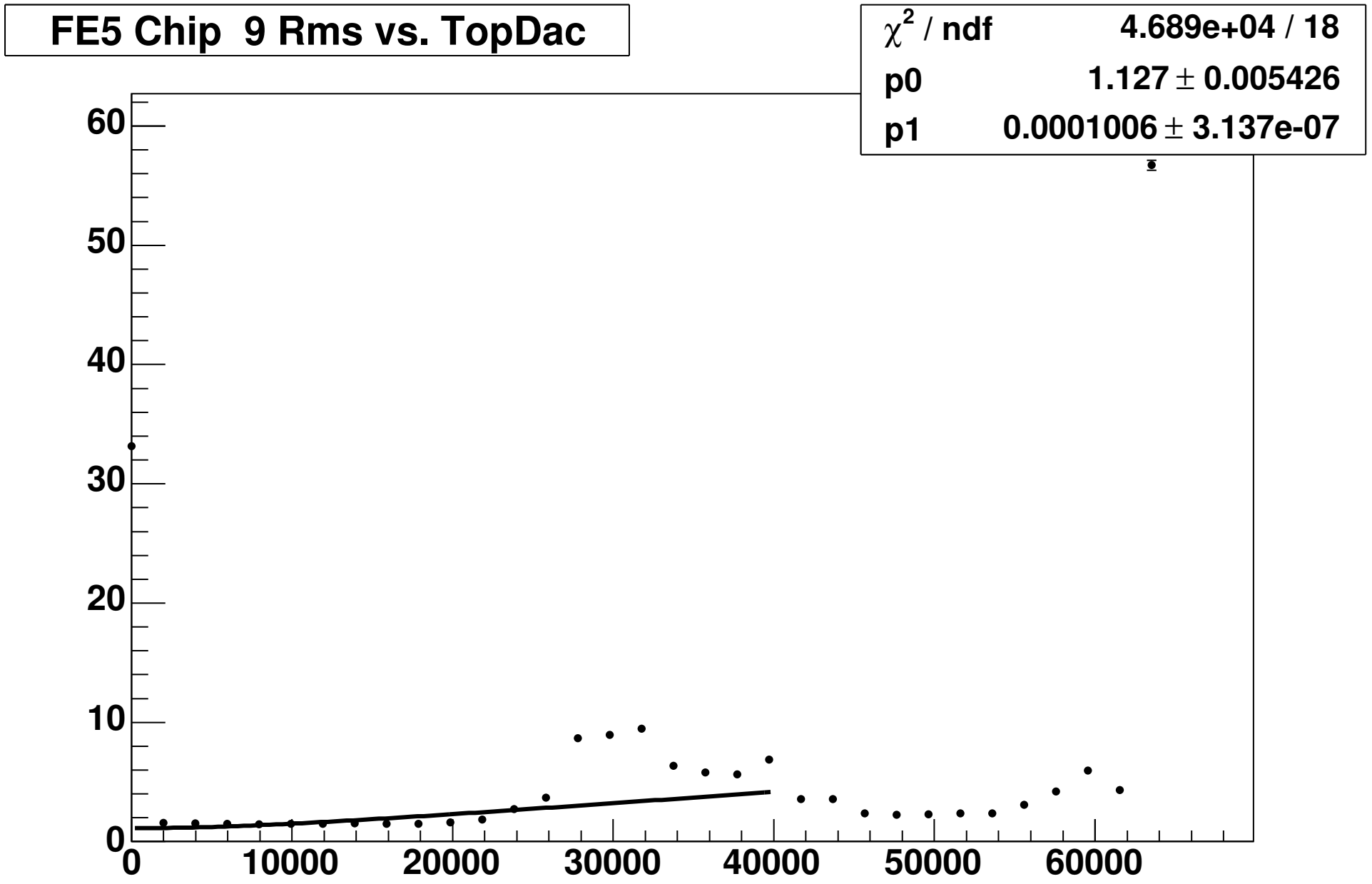

FE5 Chip 8 Mean vs. TopDac
χ² / ndf 1.809e+11 / 18
p0 -1913 ± 0.007964
p1 0.4188 ± 4.302e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

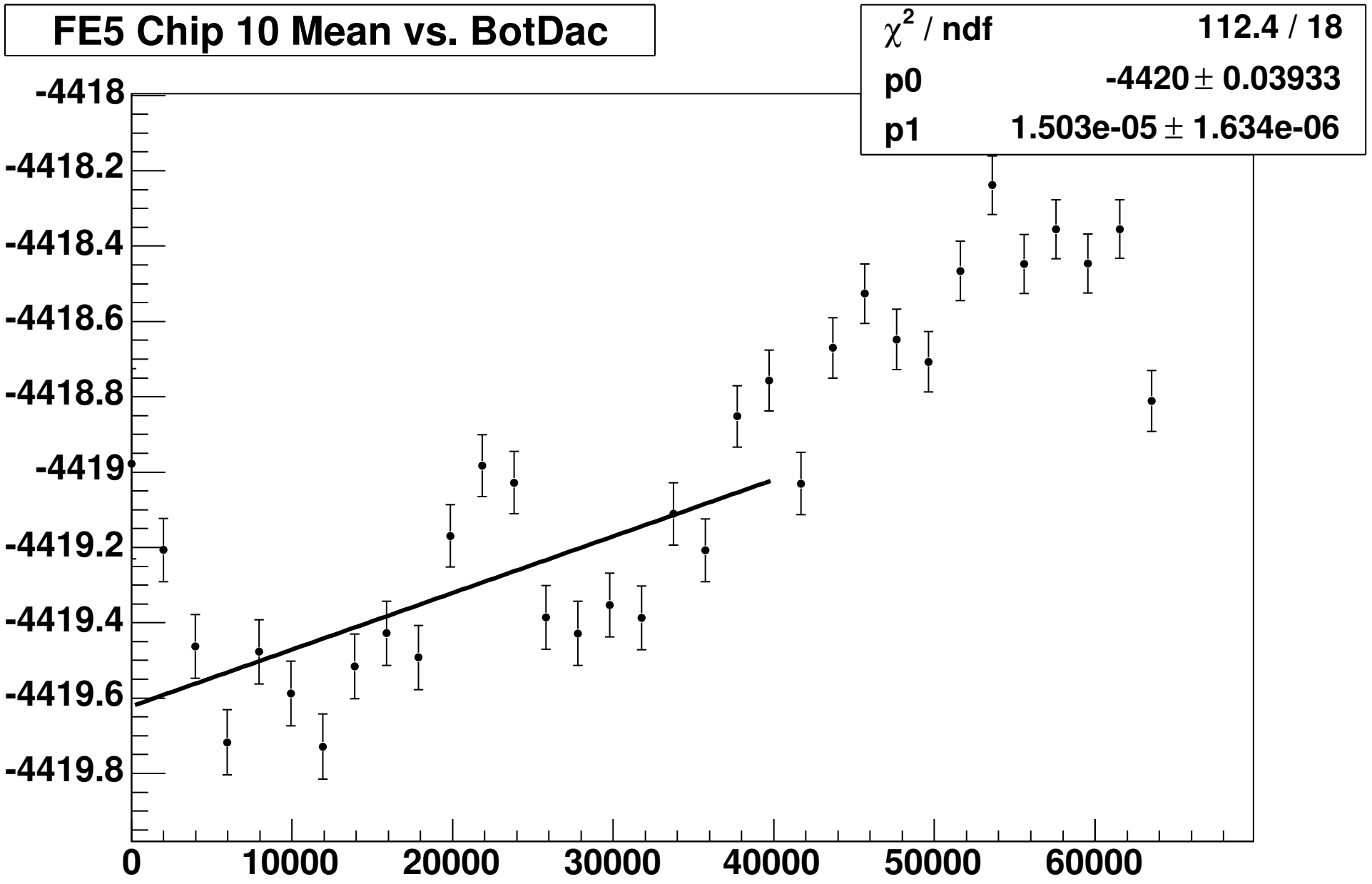

FE5 Chip 8 Rms vs. TopDac
χ² / ndf 6.211e+04 / 18
p0 1.46 ± 0.004667
p1 5.922e-05 ± 2.948e-07
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

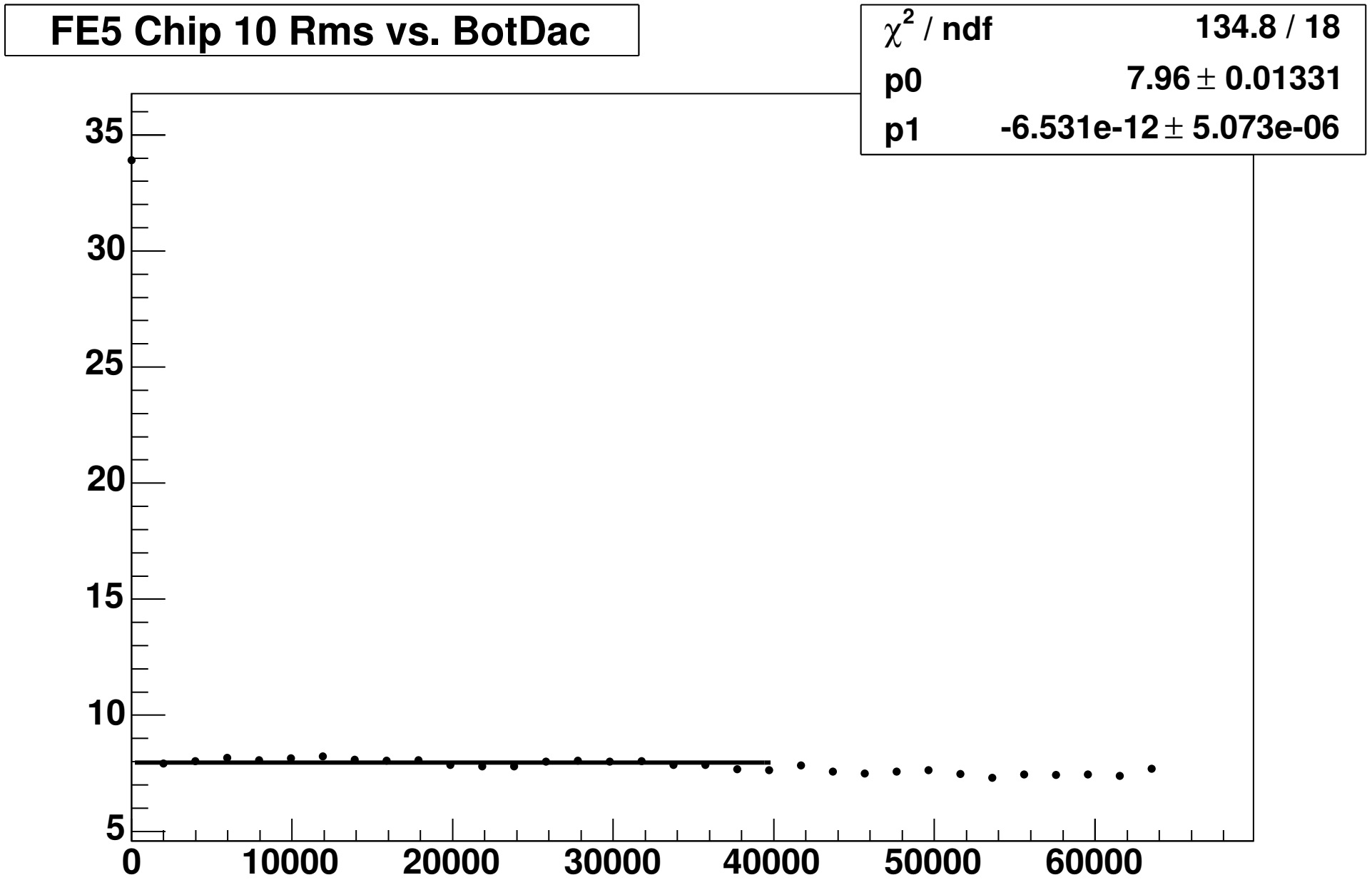

FE5 Chip 9 Mean vs. BotDac
χ² / ndf 26.23 / 18
p0 -4405 ± 0.02061
p1 -1.765e-06 ± 8.747e-07
-4404.2
-4404.4
-4404.6
-4404.8
-4405
0
10000
20000
30000
40000
50000
60000

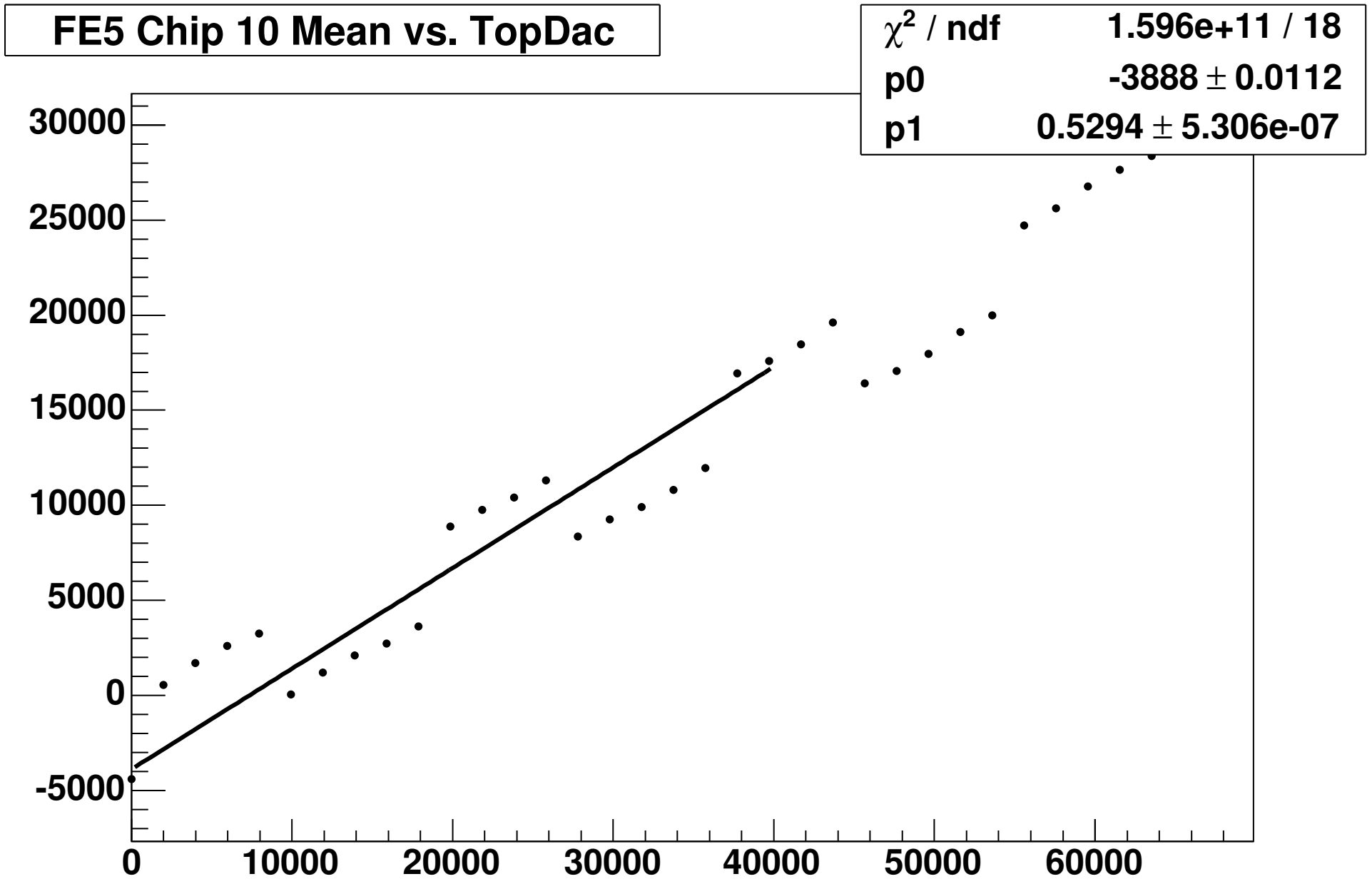

FE5 Chip 9 Rms vs. BotDac
χ² / ndf 135.7 / 18
p0 4.184 ± 0.01078
p1 2.763e-05 ± 2.237e-06
35
30
25
20
15
10
5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Mean vs. TopDac
χ² / ndf 1.801e+11 / 18
p0 -1279 ± 0.009472
p1 0.3889 ± 6.387e-07
30000
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000


FE5 Chip 9 Rms vs. TopDac
χ² / ndf 4.689e+04 / 18
p0 1.127 ± 0.005426
p1 0.0001006 ± 3.137e-07
60
50
40
30
20
10
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Mean vs. BotDac
χ² / ndf 112.4 / 18
p0 -4420 ± 0.03933
p1 1.503e-05 ± 1.634e-06
-4418
-4418.2
-4418.4
-4418.6
-4418.8
-4419
-4419.2
-4419.4
-4419.6
-4419.8
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. BotDac
χ² / ndf 134.8 / 18
p0 7.96 ± 0.01331
p1 -6.531e-12 ± 5.073e-06
35
30
25
20
15
10
5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Mean vs. TopDac
χ² / ndf 1.596e+11 / 18
p0 -3888 ± 0.0112
p1 0.5294 ± 5.306e-07
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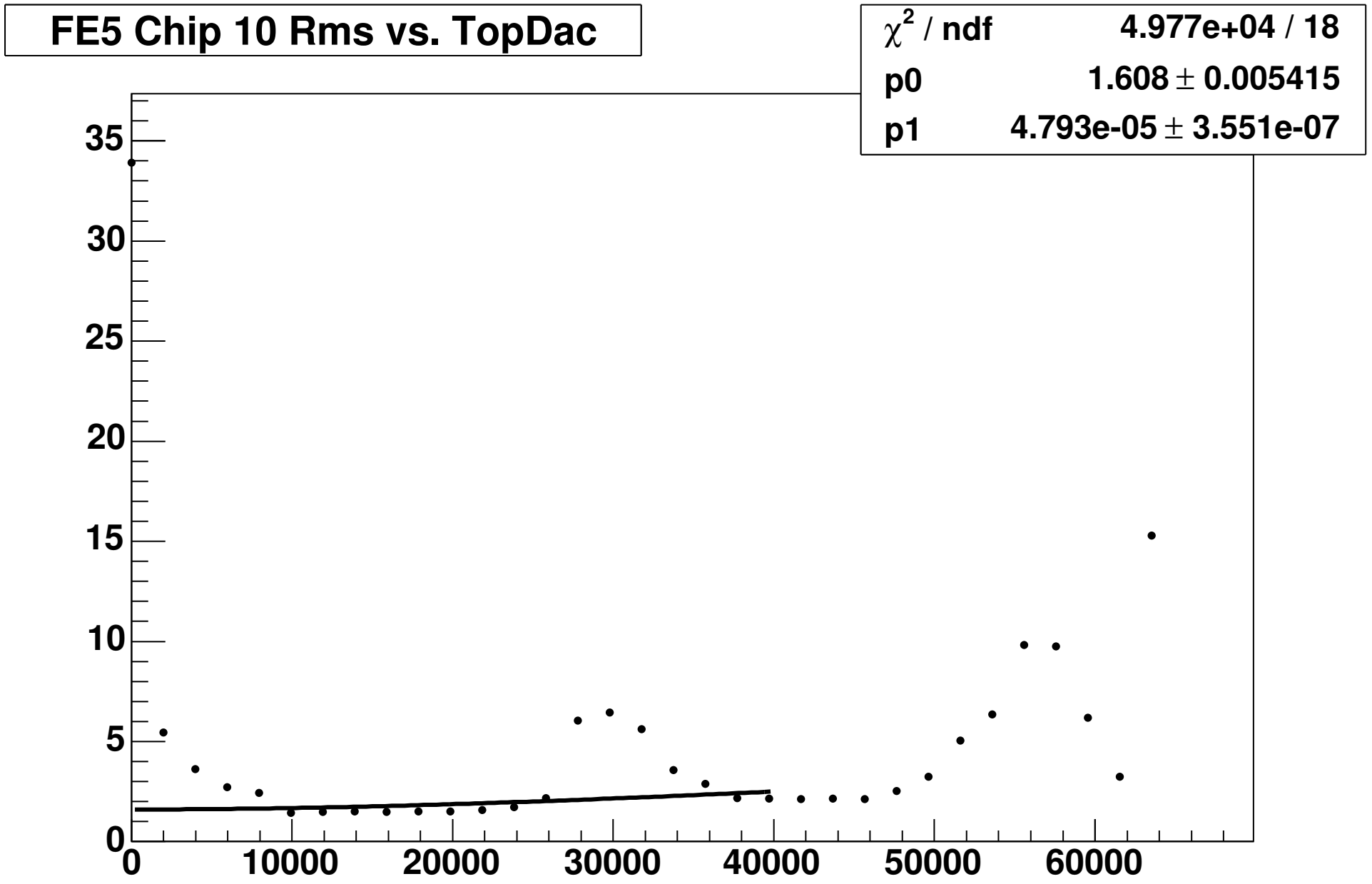
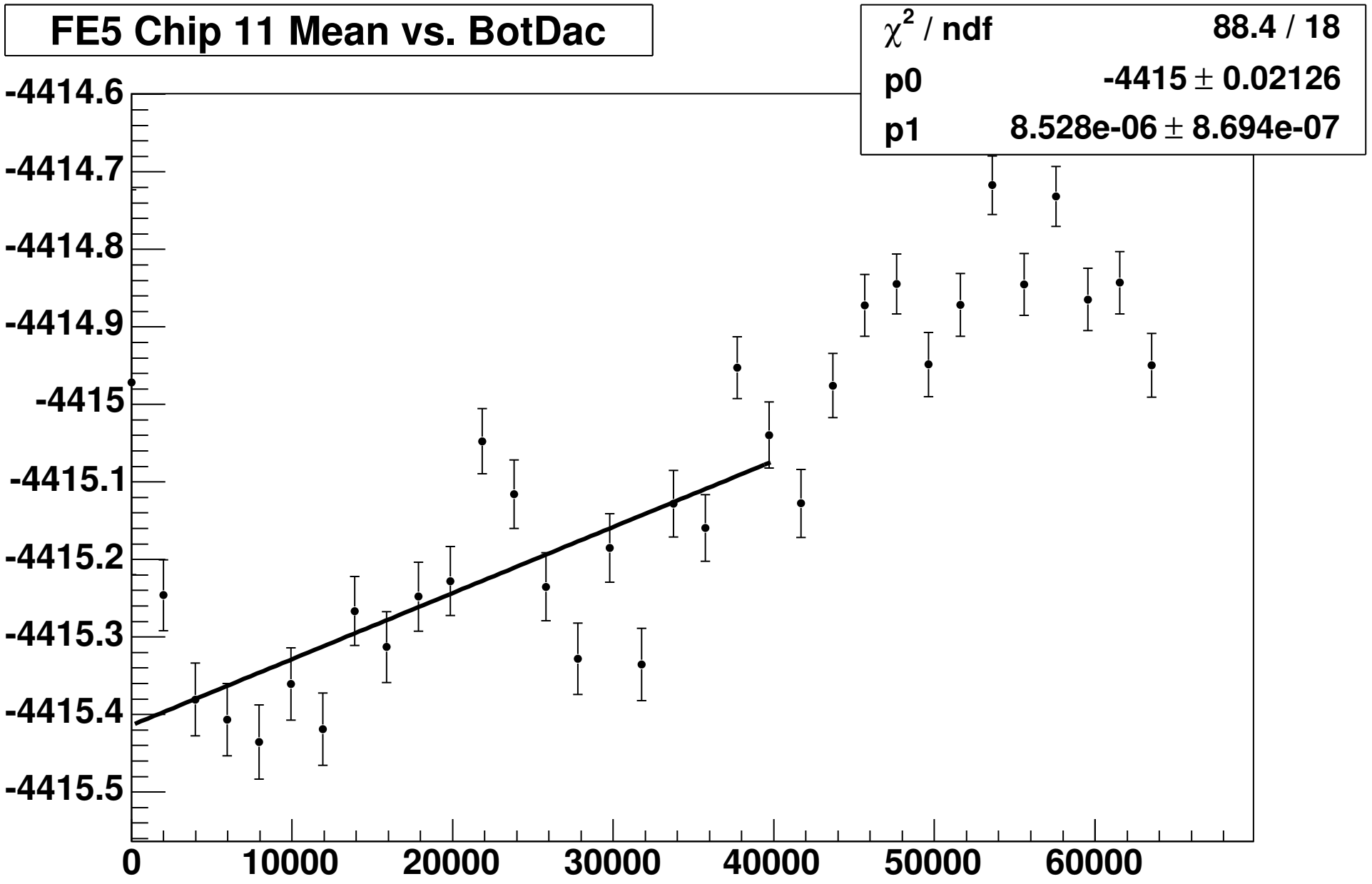
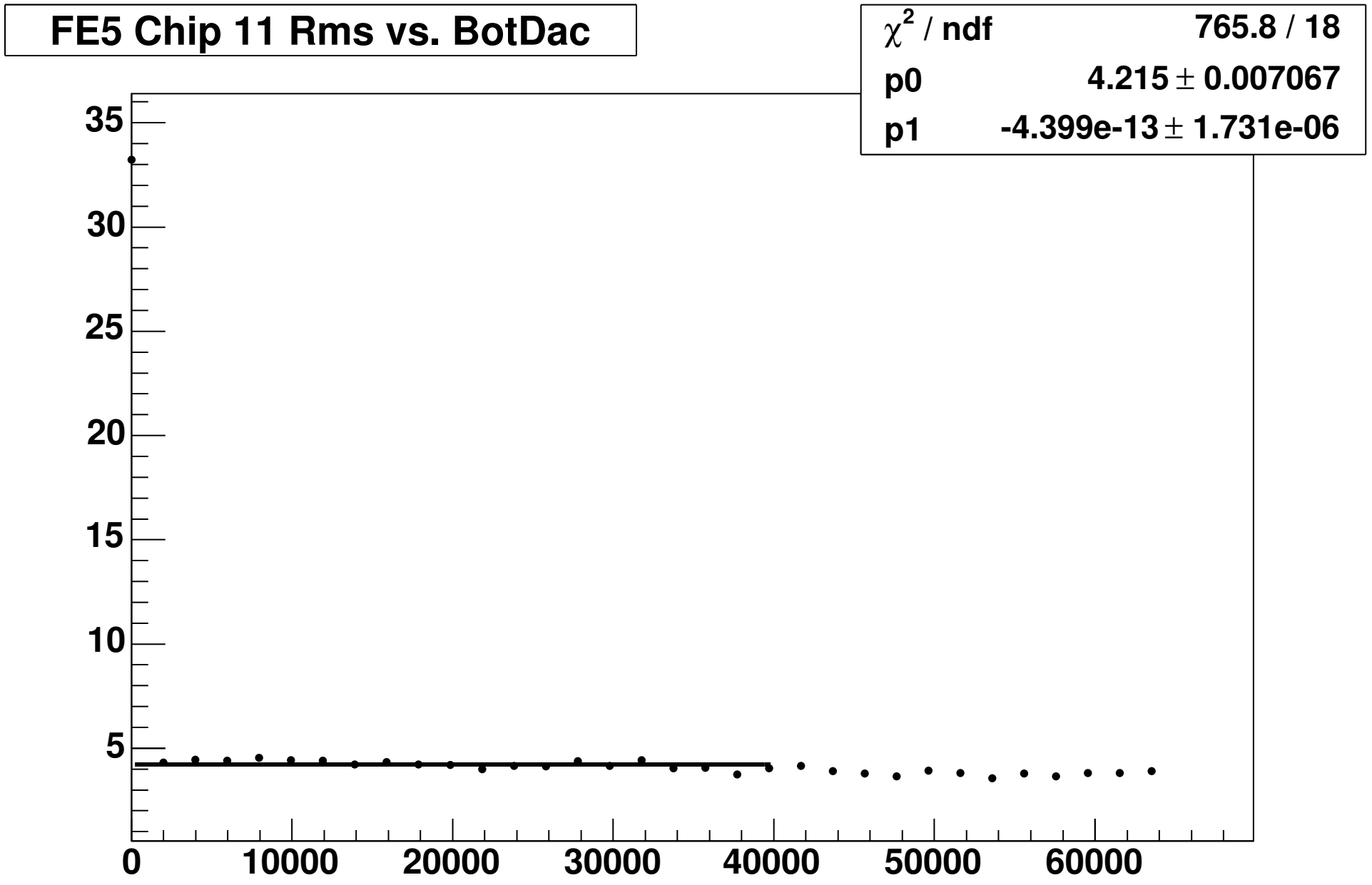
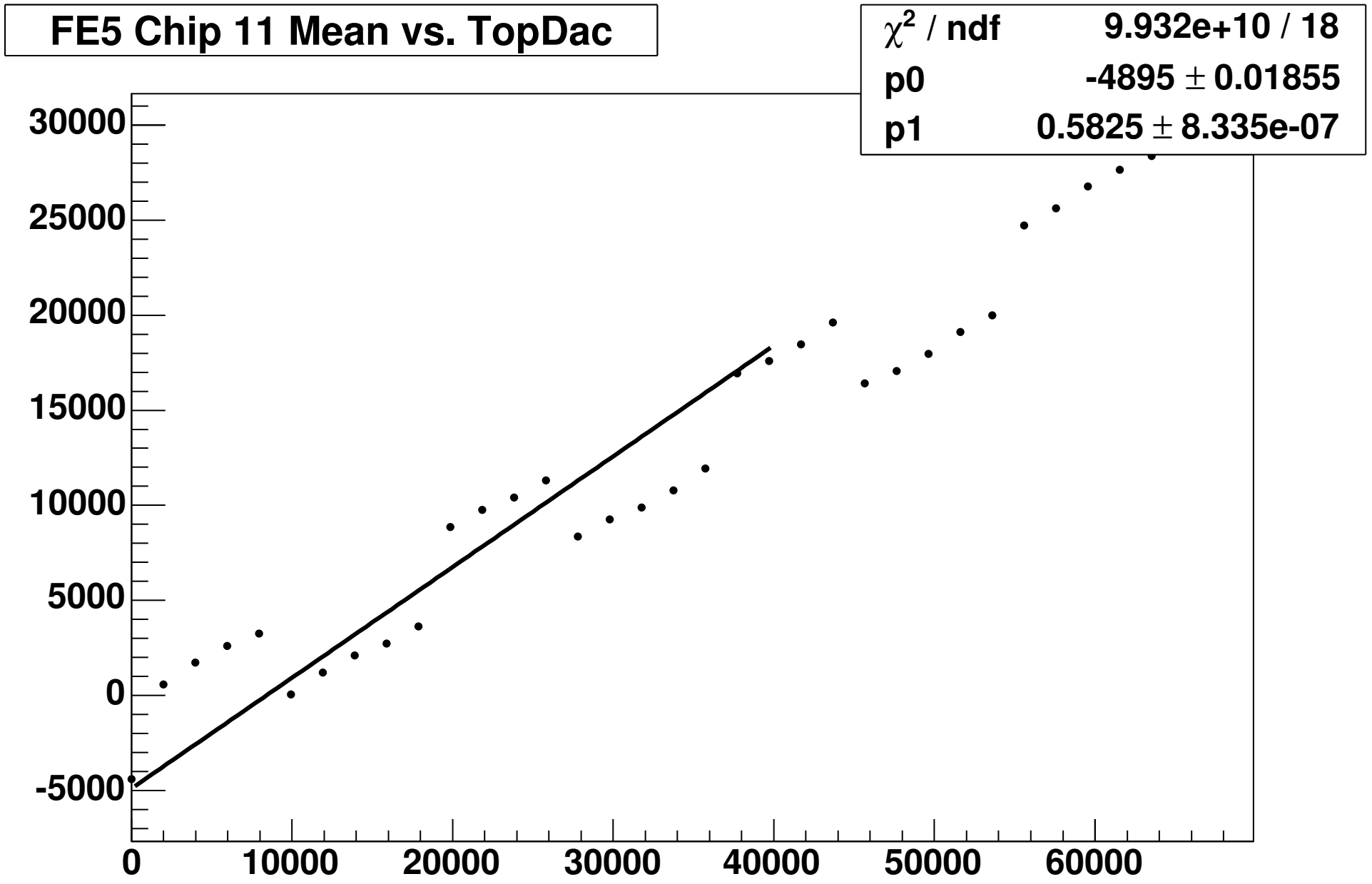
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000


FE5 Chip 10 Rms vs. TopDac
χ² / ndf 4.977e+04 / 18
p0 1.608 ± 0.005415
p1 4.793e-05 ± 3.551e-07
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Mean vs. BotDac
χ² / ndf 88.4 / 18
p0 -4415 ± 0.02126
p1 8.528e-06 ± 8.694e-07
-4414.6
-4414.7
-4414.8
-4414.9
-4415
-4415.1
-4415.2
-4415.3
-4415.4
-4415.5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Rms vs. BotDac
χ² / ndf 765.8 / 18
p0 4.215 ± 0.007067
p1 -4.399e-13 ± 1.731e-06
35
30
25
20
15
10
5
0
10000
20000
30000
40000
50000
60000


FE5 Chip 11 Mean vs. TopDac
χ² / ndf 9.932e+10 / 18
p0 -4895 ± 0.01855
p1 0.5825 ± 8.335e-07
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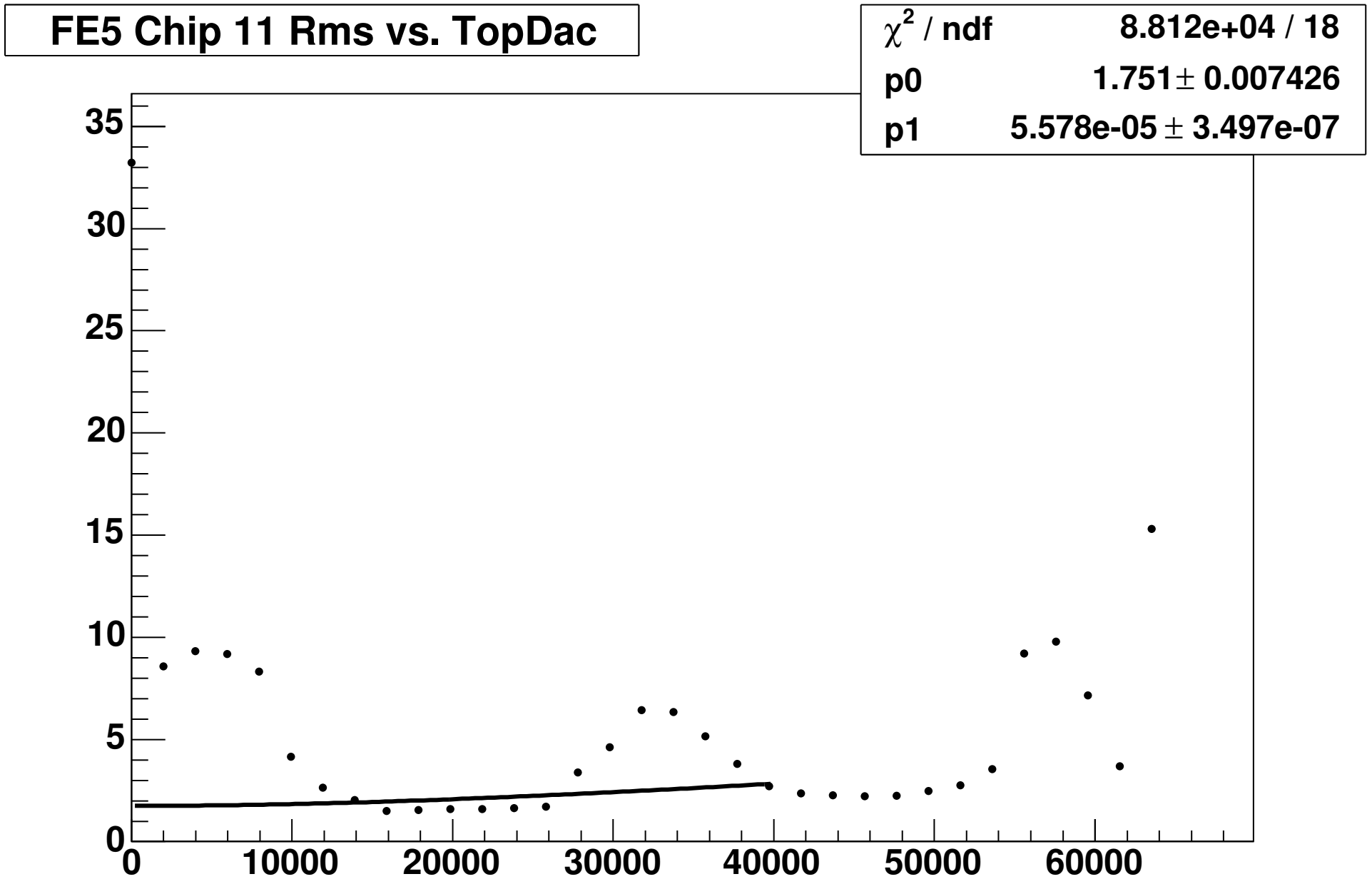
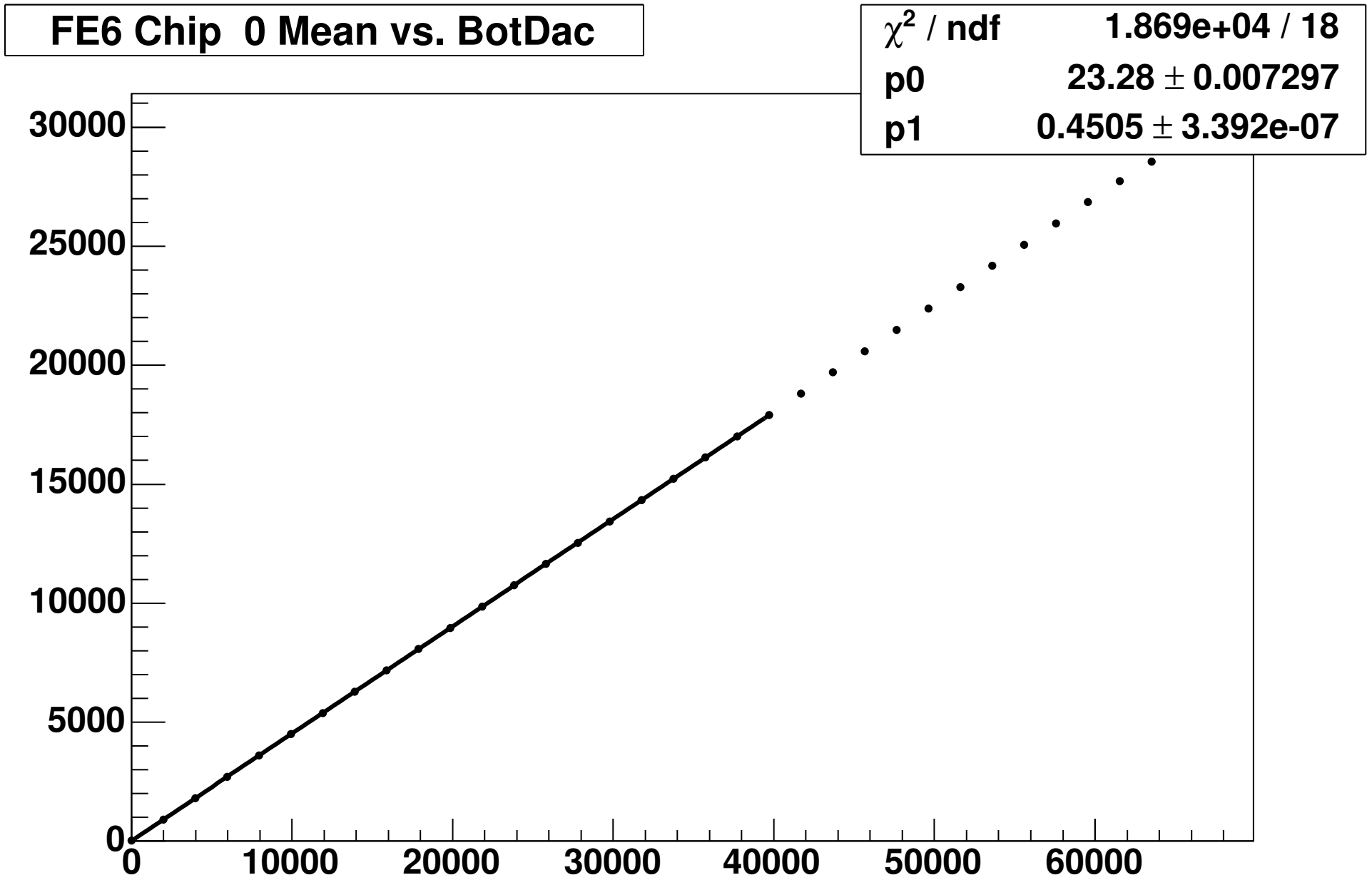
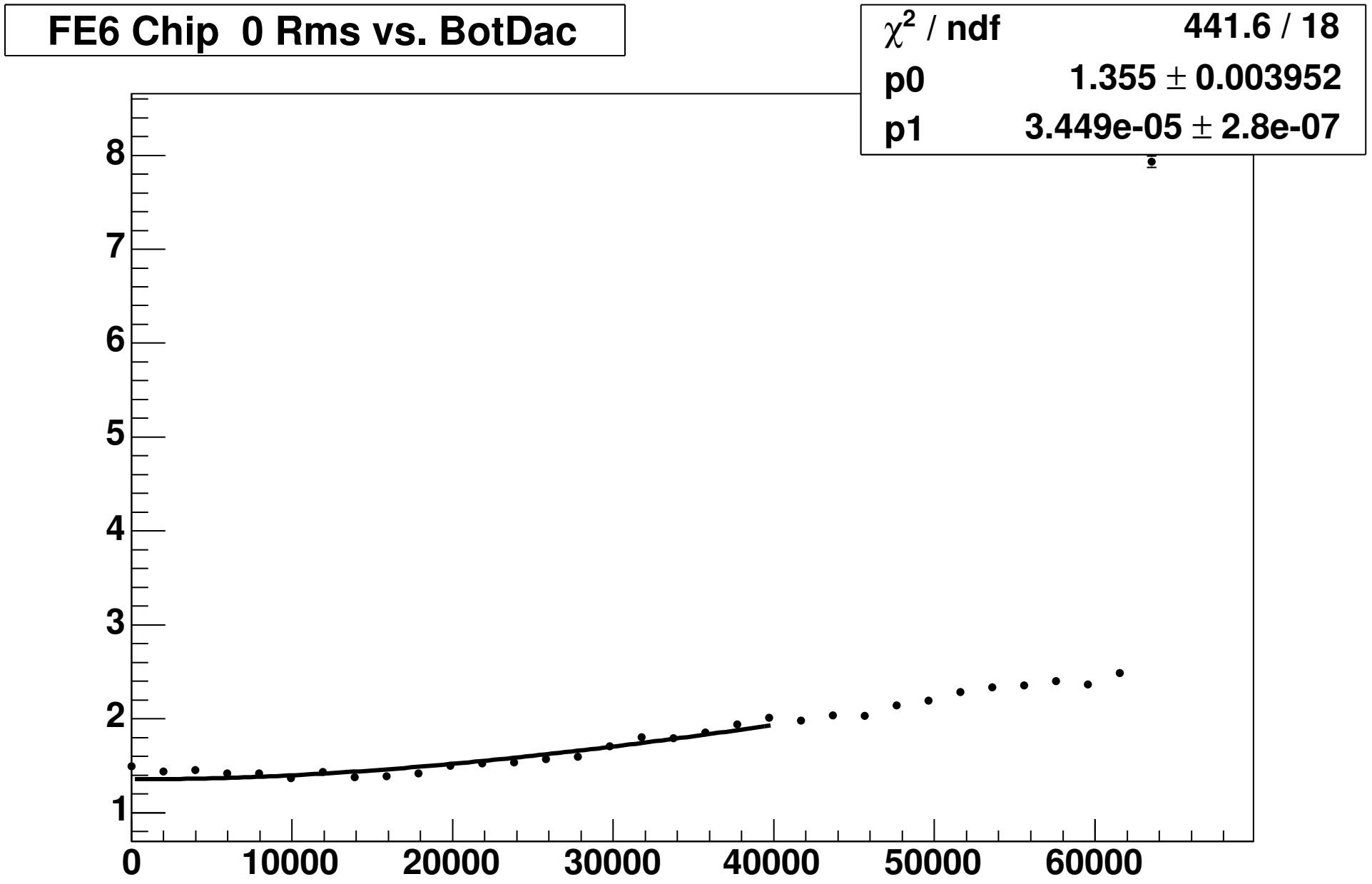
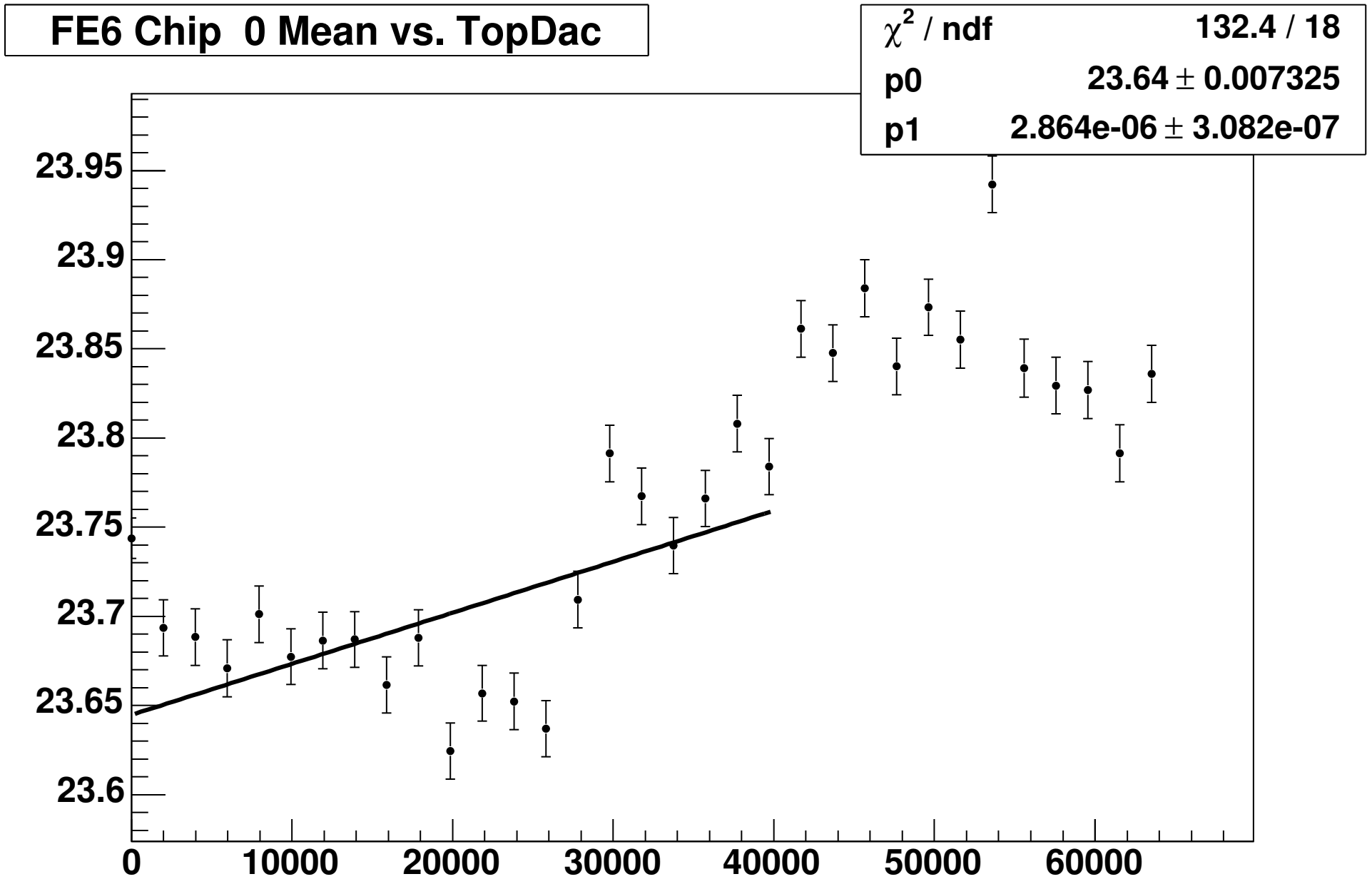
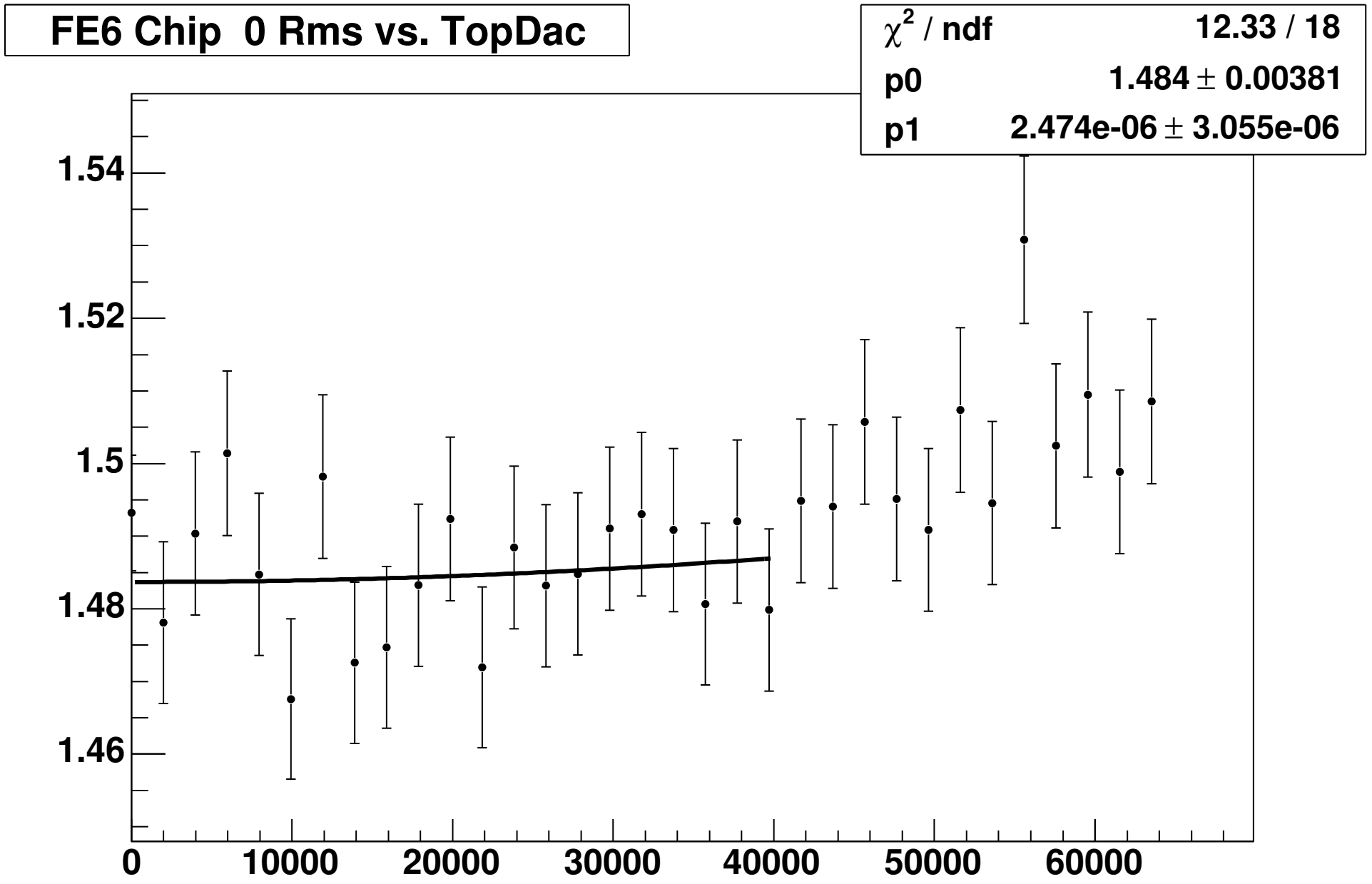
25000
20000
15000
10000
5000
0
-5000
0
10000
20000
30000
40000
50000
60000

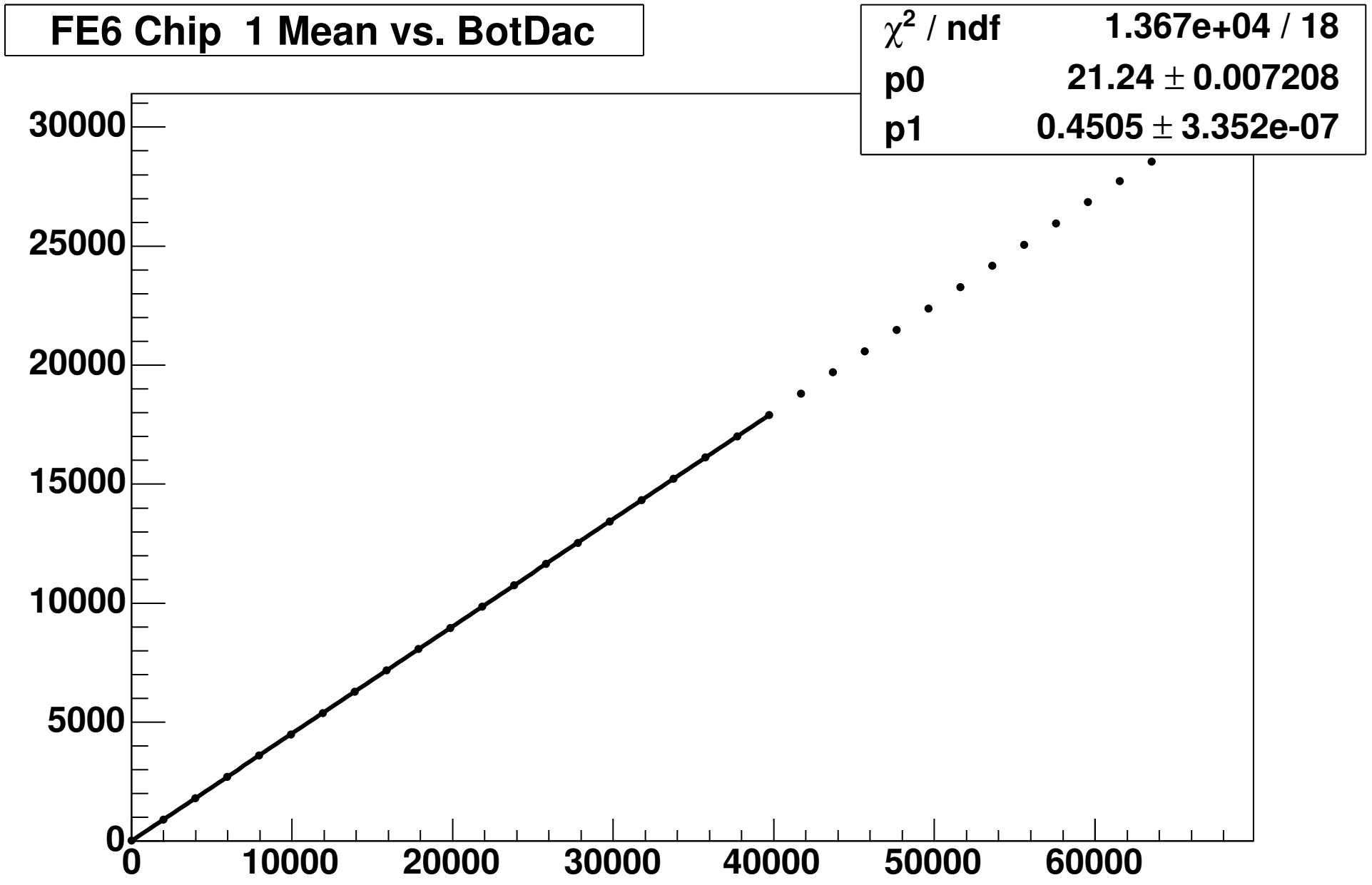

FE5 Chip 11 Rms vs. TopDac
χ² / ndf 8.812e+04 / 18
p0 1.751 ± 0.007426
p1 5.578e-05 ± 3.497e-07
35
30
25
20
15
10
5
0
0
10000
20000
30000
40000
50000
60000

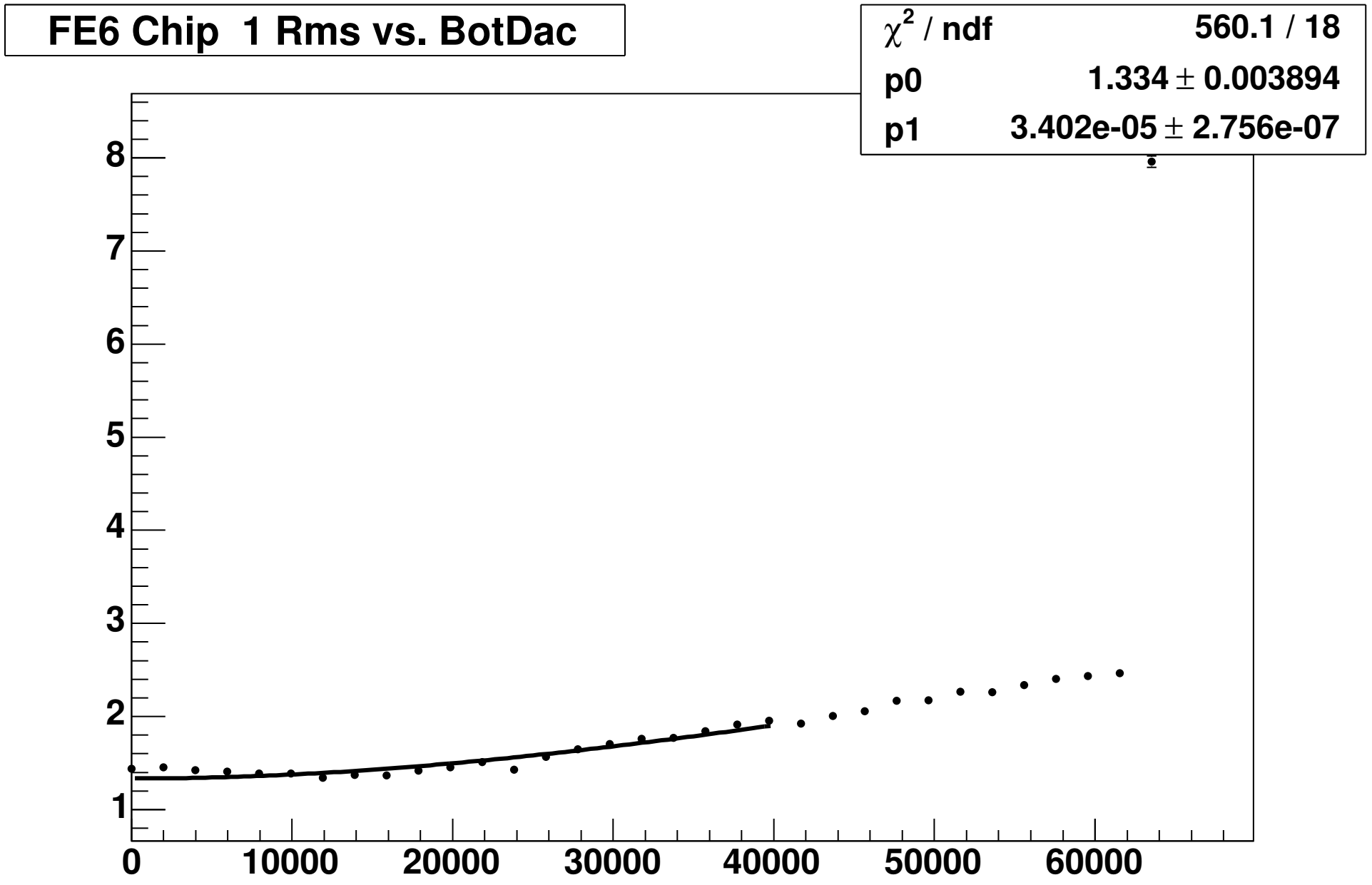

FE6 Chip 0 Mean vs. BotDac
χ² / ndf 1.869e+04 / 18
p0 23.28 ± 0.007297
p1 0.4505 ± 3.392e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

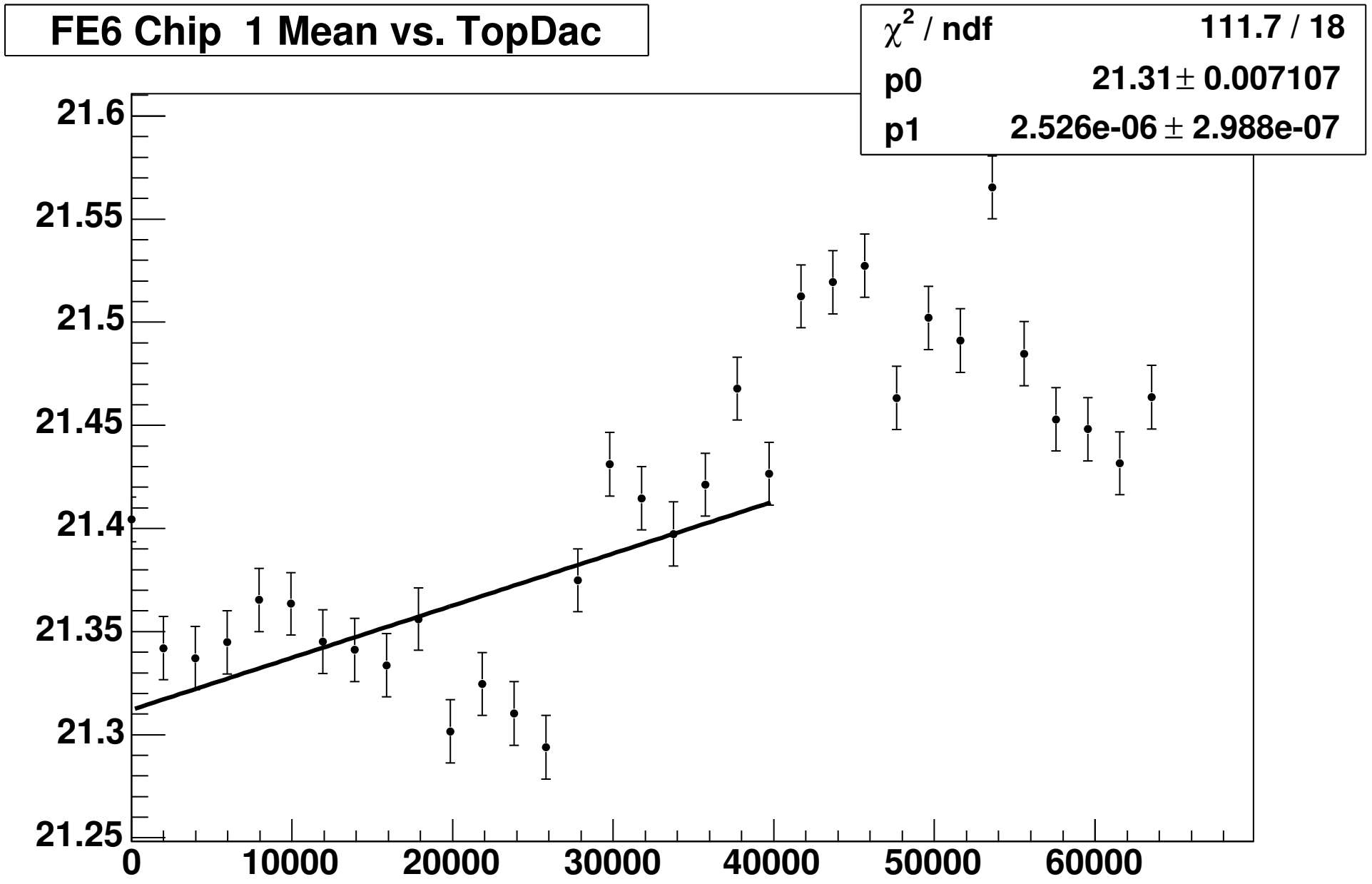

FE6 Chip 0 Rms vs. BotDac
χ² / ndf 441.6 / 18
p0 1.355 ± 0.003952
p1 3.449e-05 ± 2.8e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

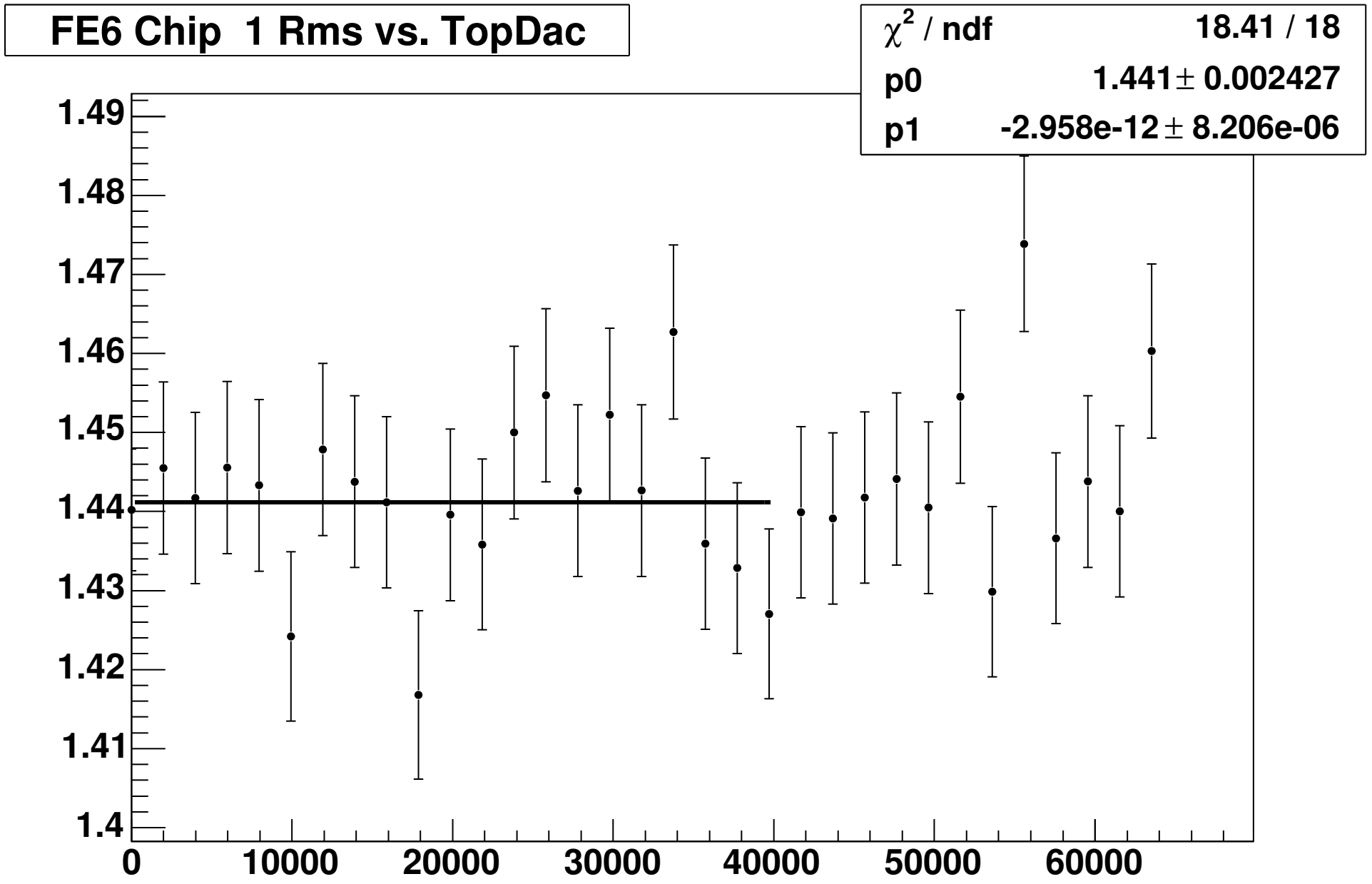

FE6 Chip 0 Mean vs. TopDac
χ² / ndf 132.4 / 18
p0 23.64 ± 0.007325
p1 2.864e-06 ± 3.082e-07
23.95
23.9
23.85
23.8
23.75
23.7
23.65
23.6
0
10000
20000
30000
40000
50000
60000

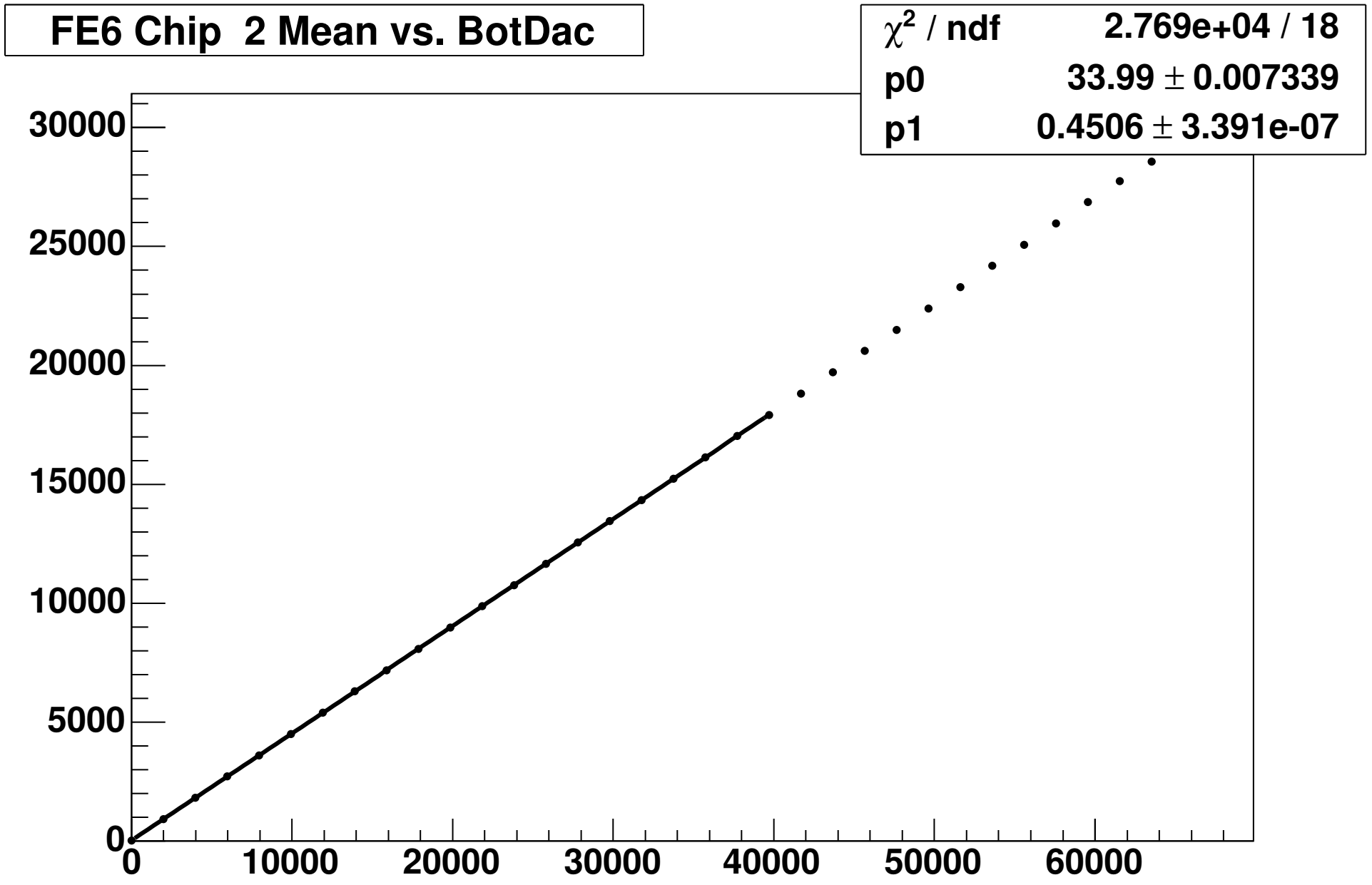

FE6 Chip 0 Rms vs. TopDac
χ² / ndf 12.33 / 18
p0 1.484 ± 0.00381
p1 2.474e-06 ± 3.055e-06
1.54
1.52
1.5
1.48
1.46
0
10000
20000
30000
40000
50000
60000

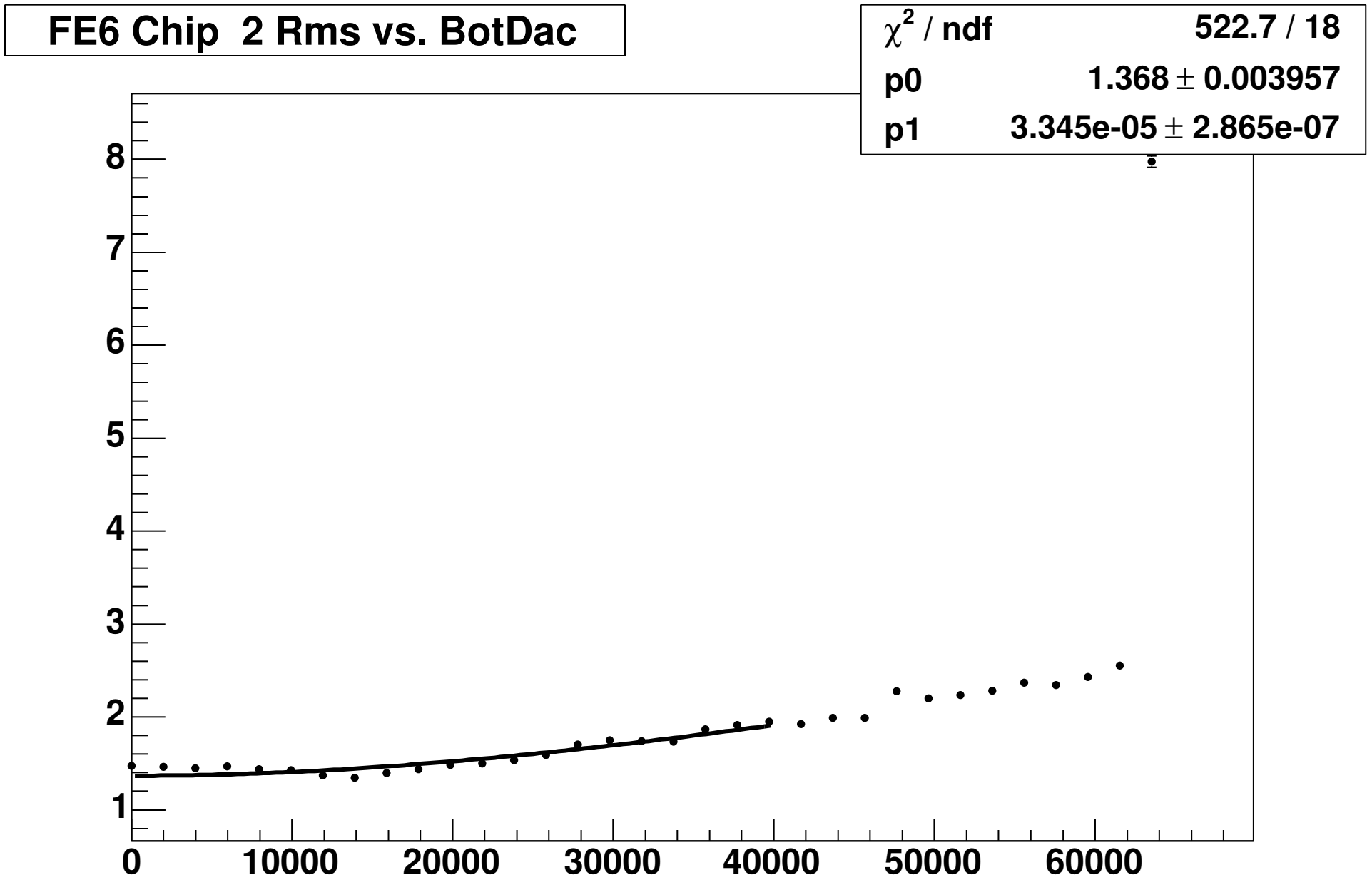

FE6 Chip 1 Mean vs. BotDac
χ² / ndf 1.367e+04 / 18
p0 21.24 ± 0.007208
p1 0.4505 ± 3.352e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

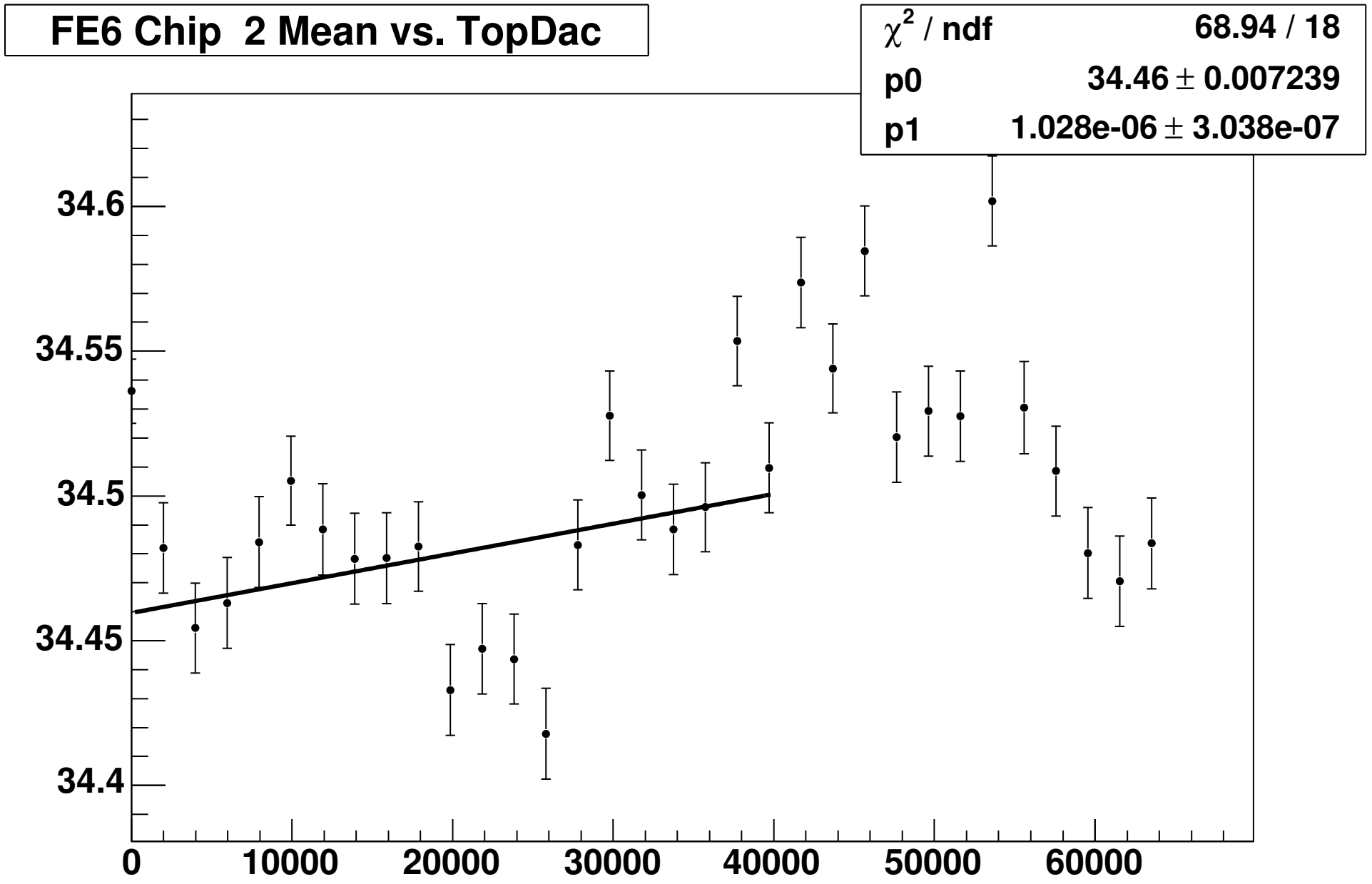

FE6 Chip 1 Rms vs. BotDac
χ² / ndf 560.1 / 18
p0 1.334 ± 0.003894
p1 3.402e-05 ± 2.756e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

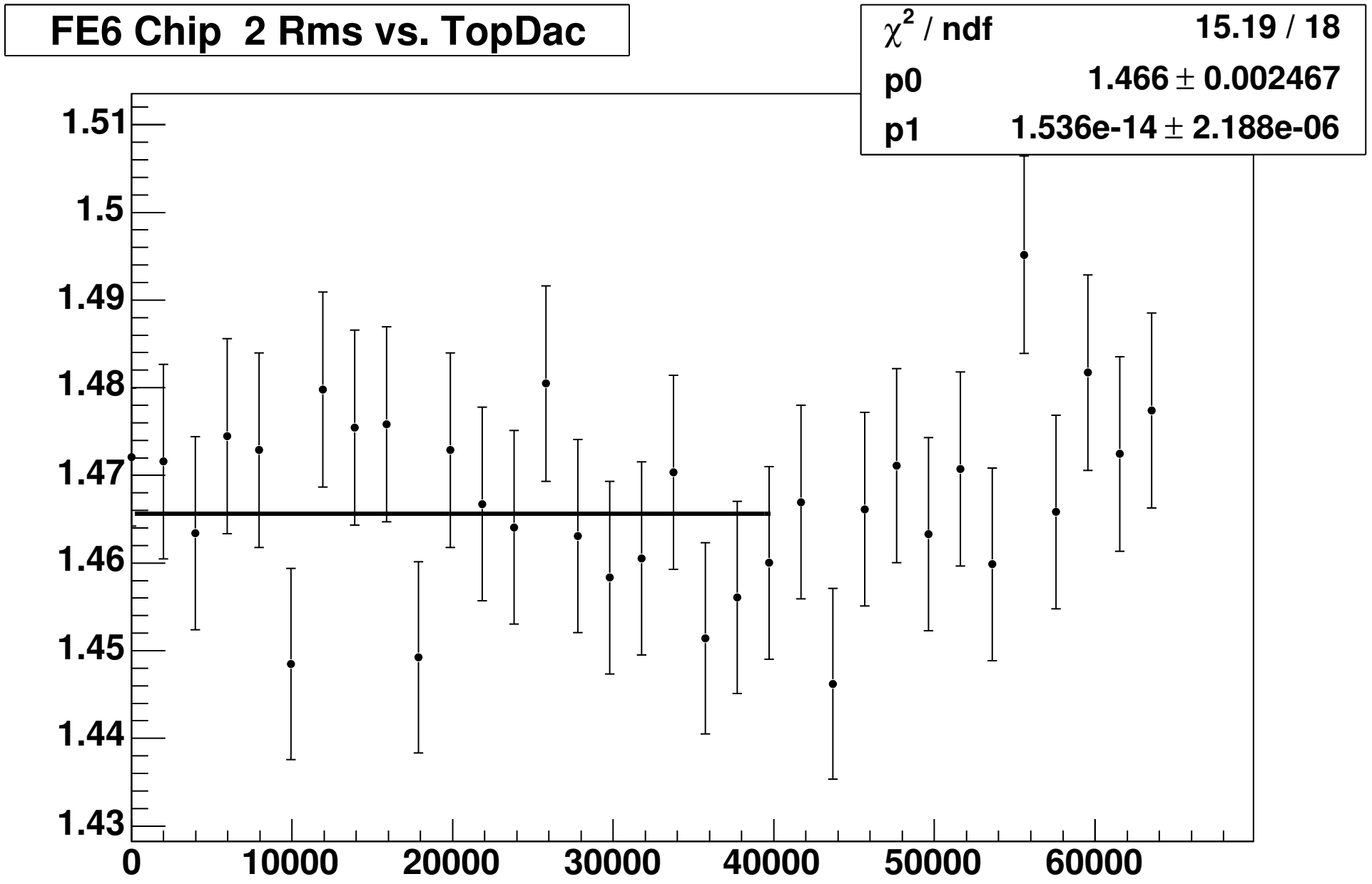

FE6 Chip 1 Mean vs. TopDac
χ² / ndf 111.7 / 18
p0 21.31 ± 0.007107
p1 2.526e-06 ± 2.988e-07
21.6
21.55
21.5
21.45
21.4
21.35
21.3
21.25
0
10000
20000
30000
40000
50000
60000


FE6 Chip 1 Rms vs. TopDac
χ² / ndf 18.41 / 18
p0 1.441 ± 0.002427
p1 -2.958e-12 ± 8.206e-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


FE6 Chip 2 Mean vs. BotDac
χ² / ndf 2.769e+04 / 18
p0 33.99 ± 0.007339
p1 0.4506 ± 3.391e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. BotDac
χ² / ndf 522.7 / 18
p0 1.368 ± 0.003957
p1 3.345e-05 ± 2.865e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Mean vs. TopDac
χ² / ndf 68.94 / 18
p0 34.46 ± 0.007239
p1 1.028e-06 ± 3.038e-07
34.6
34.55
34.5
34.45
34.4
0
10000
20000
30000
40000
50000
60000


FE6 Chip 2 Rms vs. TopDac
χ² / ndf 15.19 / 18
p0 1.466 ± 0.002467
p1 1.536e-14 ± 2.188e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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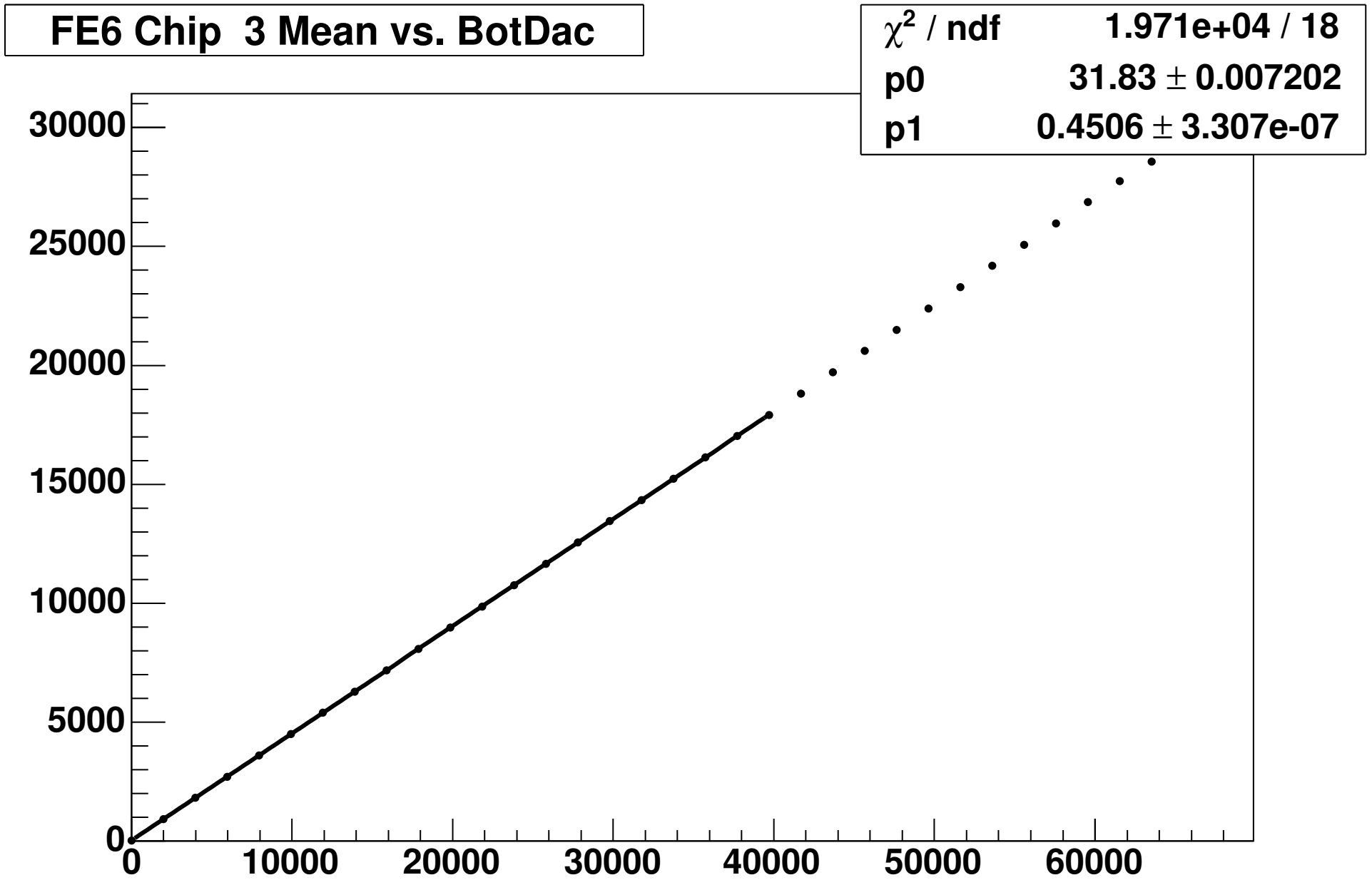
FE6 Chip 3 Mean vs. BotDac
χ² / ndf 1.971e+04 / 18
p0 31.83 ± 0.007202
p1 0.4506 ± 3.307e-07
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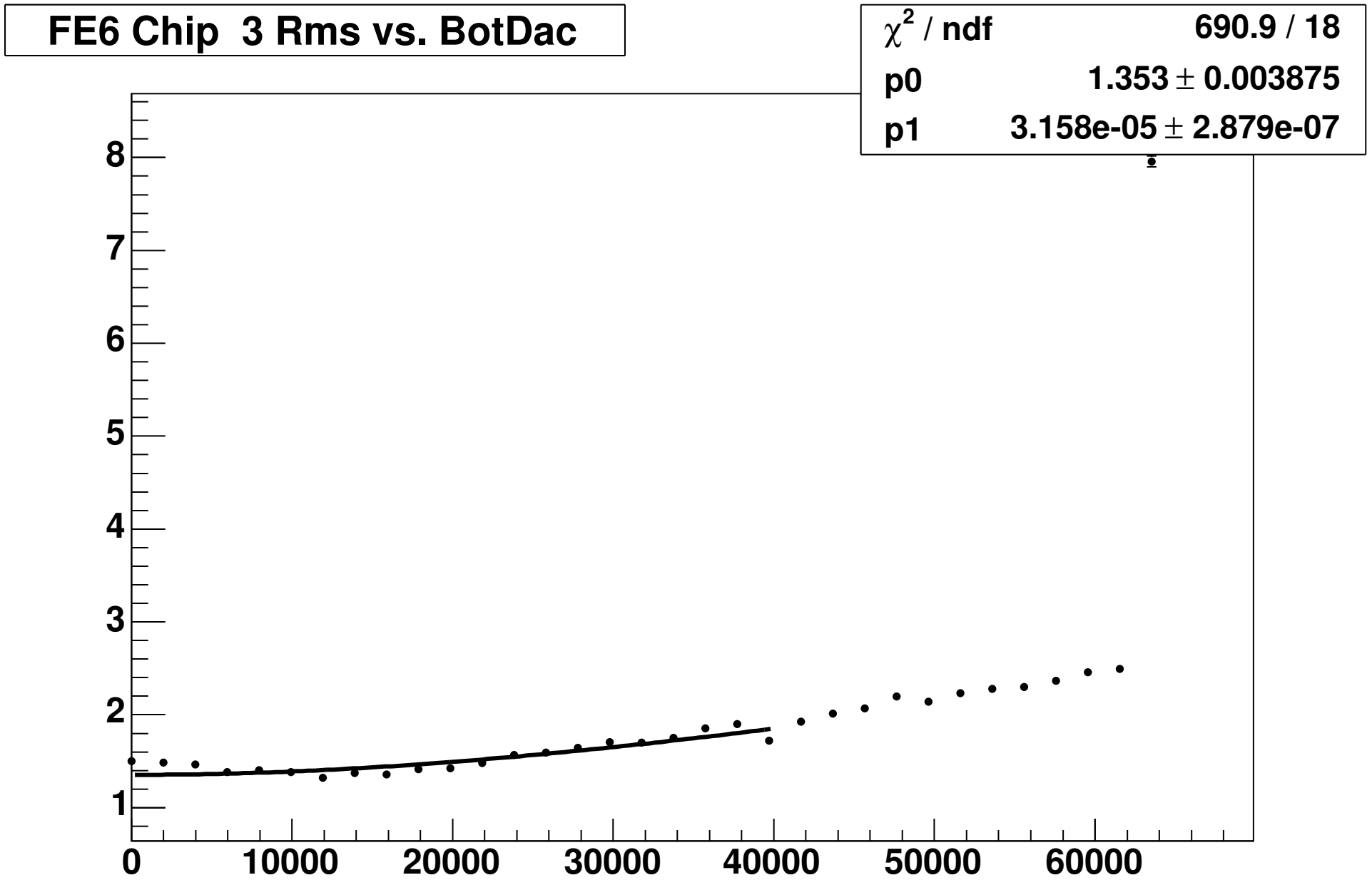
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 3 Rms vs. BotDac
χ² / ndf 690.9 / 18
p0 1.353 ± 0.003875
p1 3.158e-05 ± 2.879e-07
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7
6
5
4
3
2
1
0
10000
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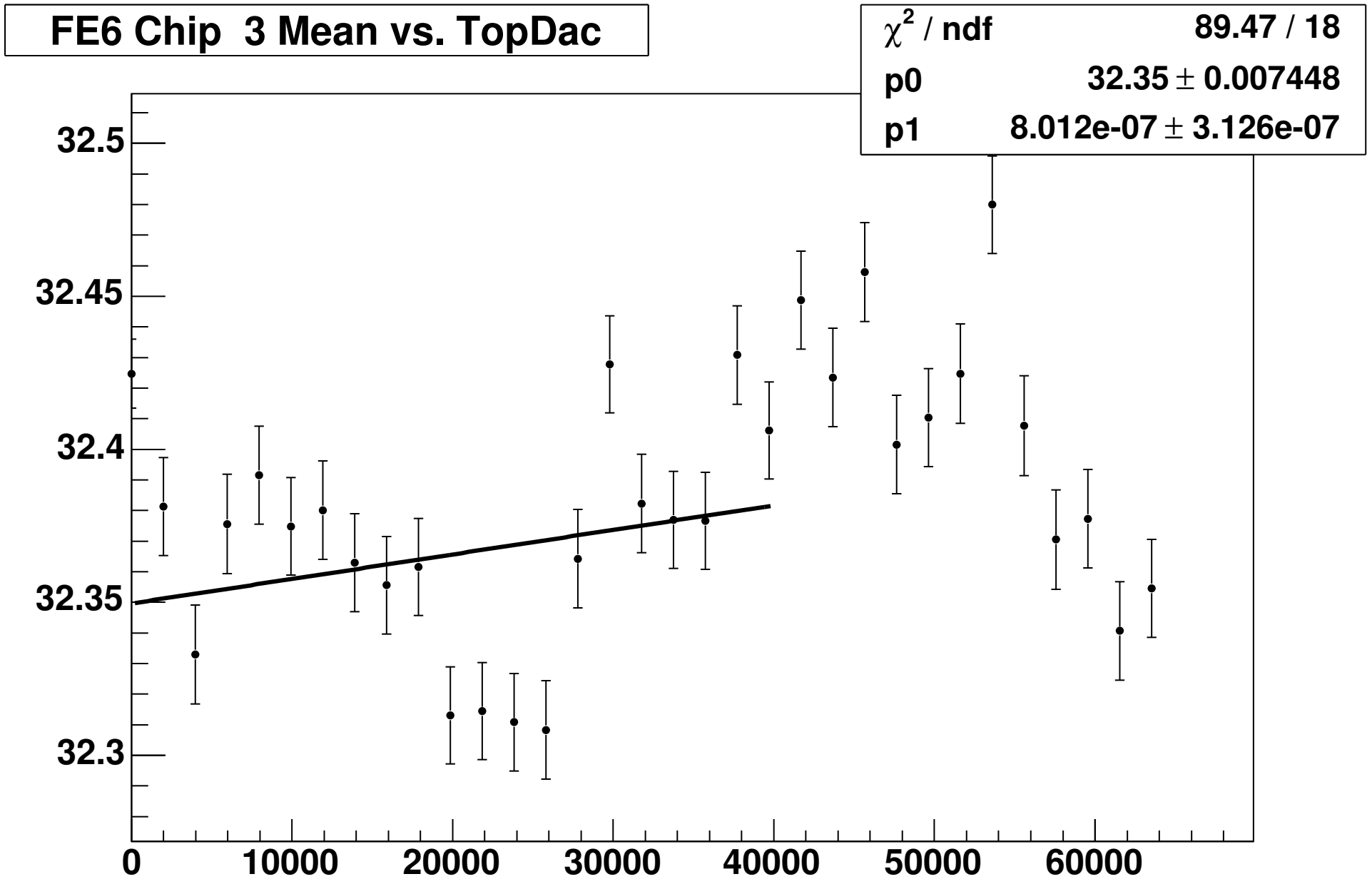
FE6 Chip 3 Mean vs. TopDac
χ² / ndf 89.47 / 18
p0 32.35 ± 0.007448
p1 8.012e-07 ± 3.126e-07
32.5
32.45
32.4
32.35
32.3
0
10000
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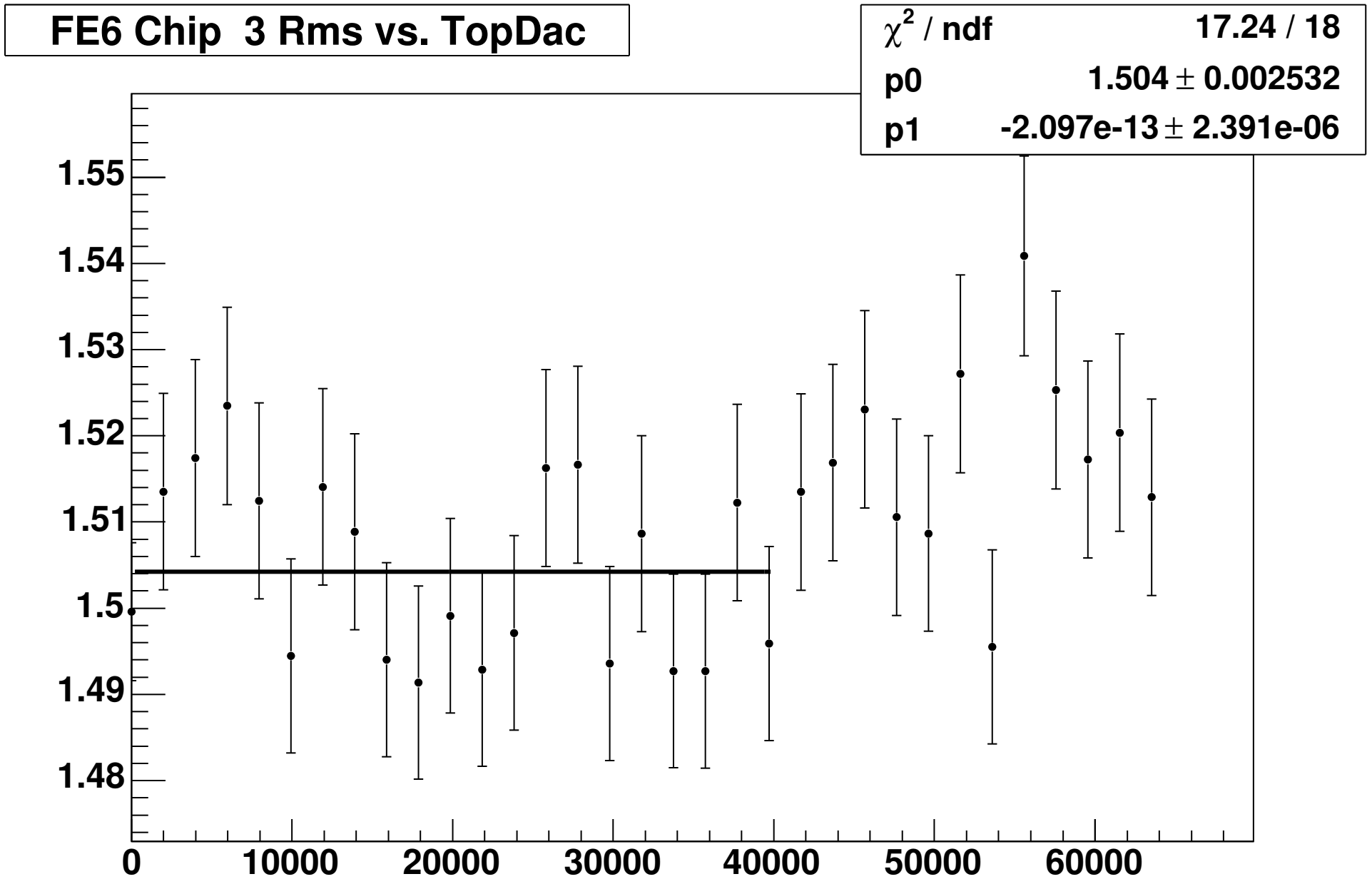
FE6 Chip 3 Rms vs. TopDac
χ² / ndf 17.24 / 18
p0 1.504 ± 0.002532
p1 -2.097e-13 ± 2.391e-06
1.55
1.54
1.53
1.52
1.51
1.5
1.49
1.48
0
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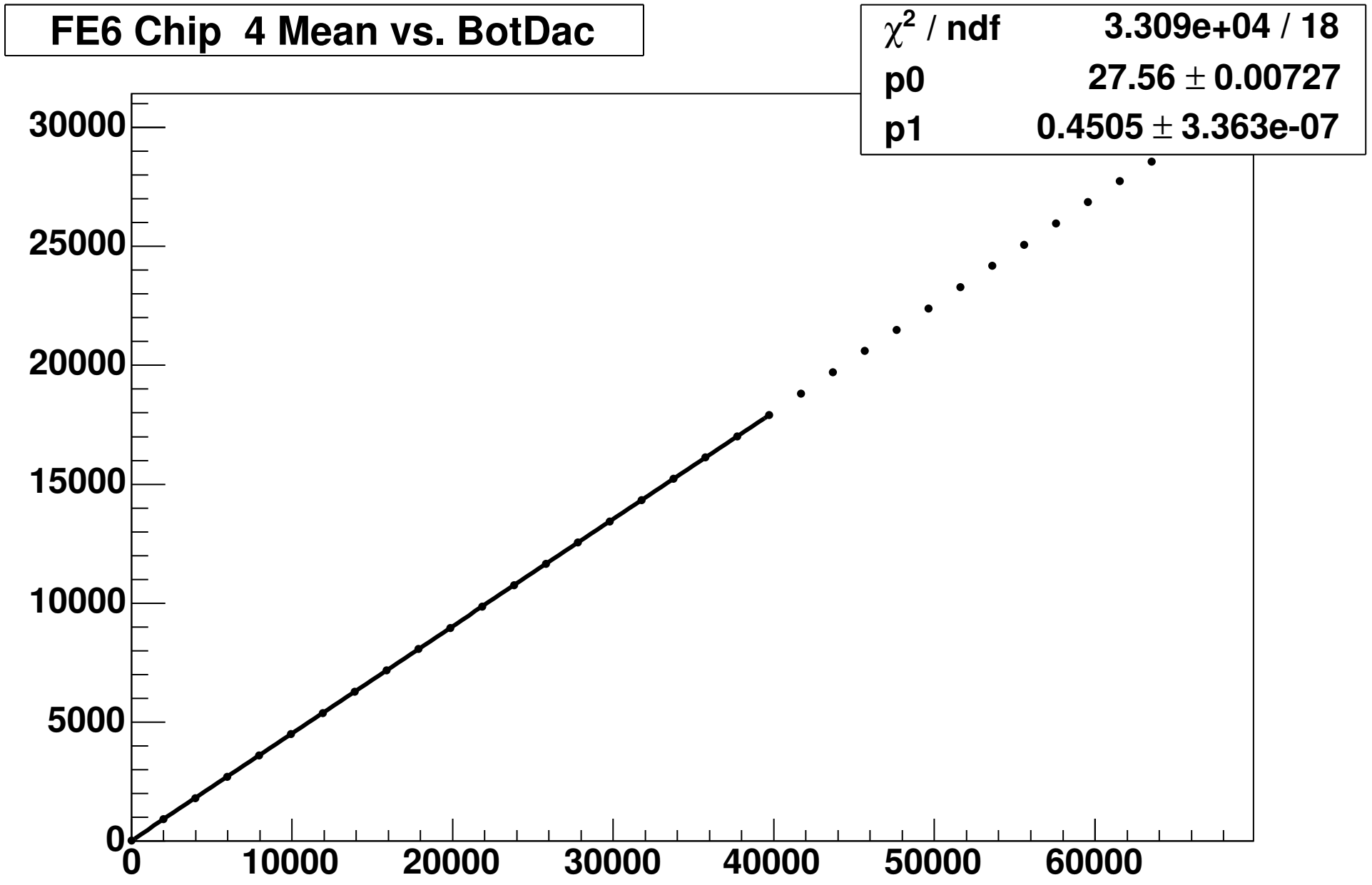
FE6 Chip 4 Mean vs. BotDac
χ² / ndf 3.309e+04 / 18
p0 27.56 ± 0.00727
p1 0.4505 ± 3.363e-07
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25000
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10000
5000
0
0
10000
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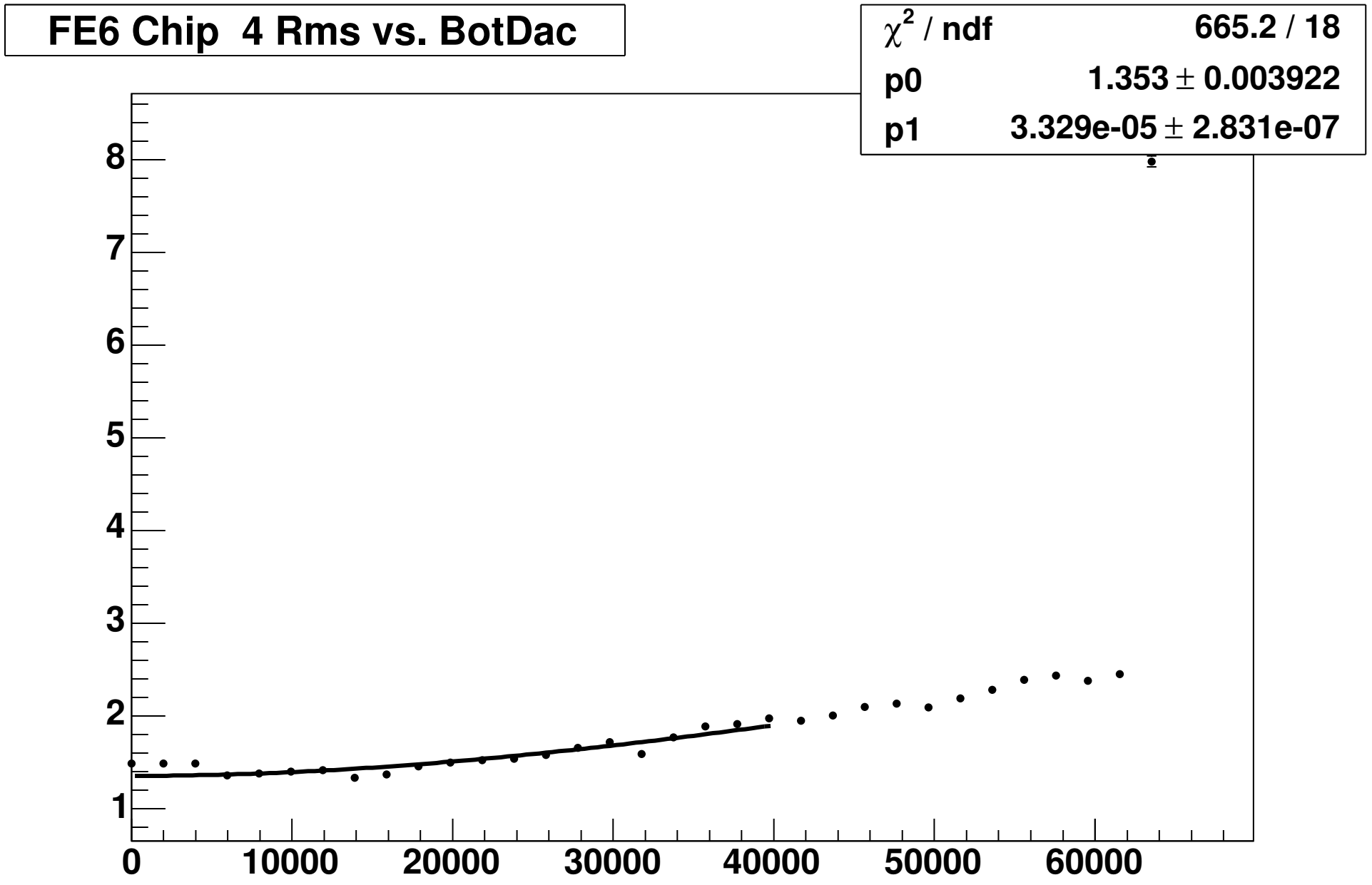
60000


FE6 Chip 4 Rms vs. BotDac
χ² / ndf 665.2 / 18
p0 1.353 ± 0.003922
p1 3.329e-05 ± 2.831e-07
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7
6
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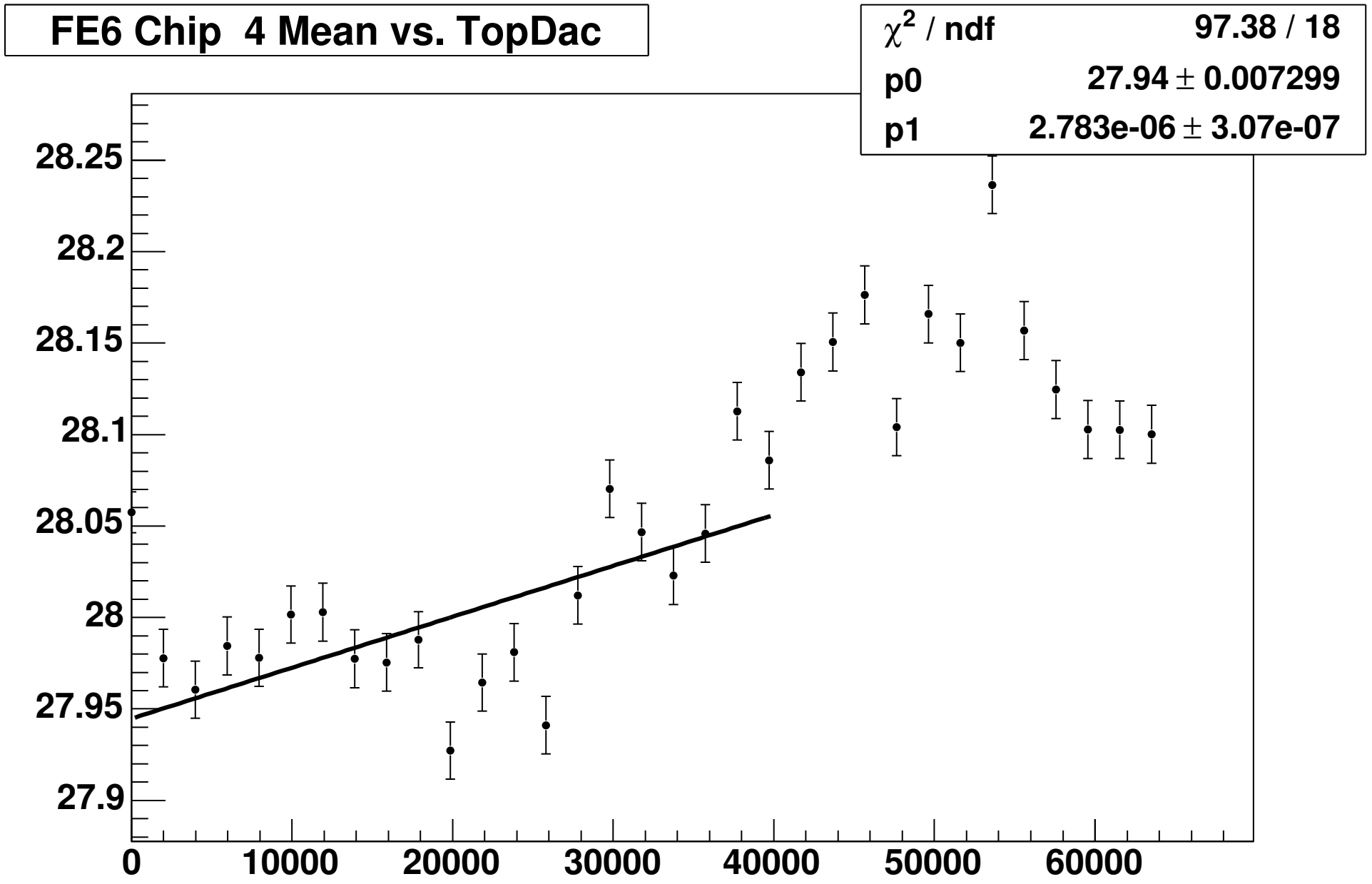
FE6 Chip 4 Mean vs. TopDac
χ² / ndf 97.38 / 18
p0 27.94 ± 0.007299
p1 2.783e-06 ± 3.07e-07
28.25
28.2
28.15
28.1
28.05
28
27.95
27.9
0
10000
20000
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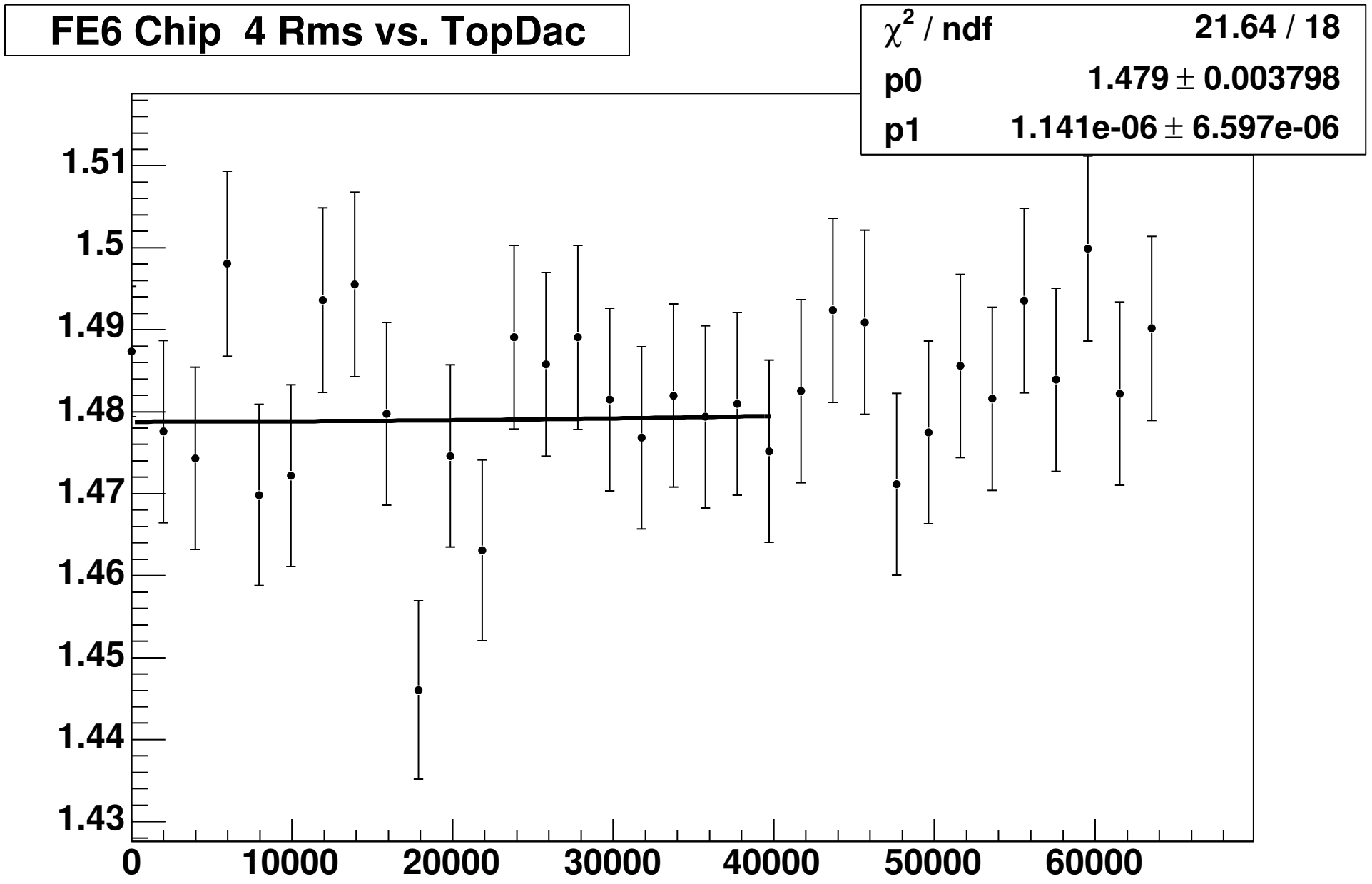
FE6 Chip 4 Rms vs. TopDac
χ² / ndf 21.64 / 18
p0 1.479 ± 0.003798
p1 1.141e-06 ± 6.597e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
0
10000
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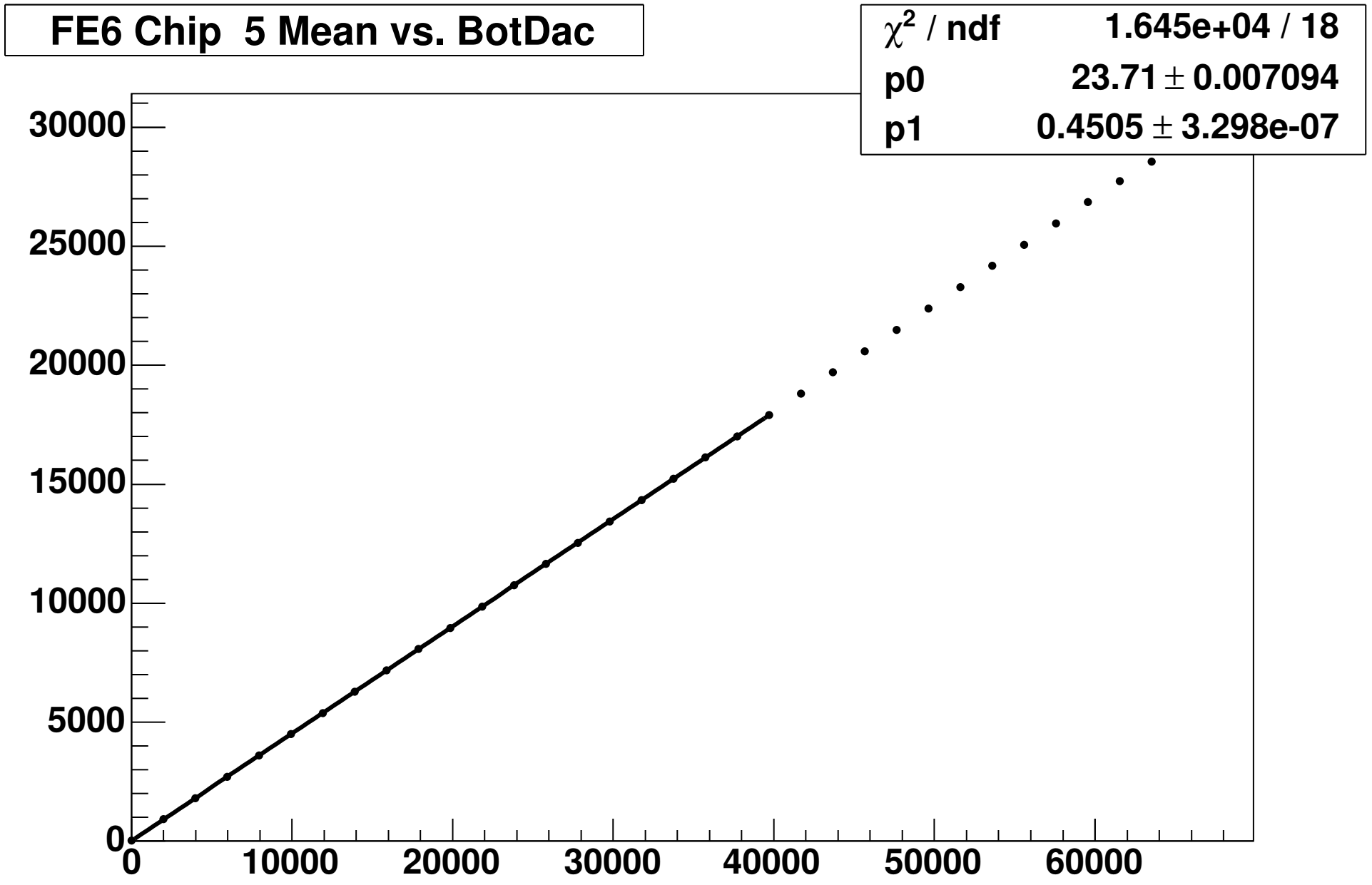
FE6 Chip 5 Mean vs. BotDac
χ² / ndf 1.645e+04 / 18
p0 23.71 ± 0.007094
p1 0.4505 ± 3.298e-07
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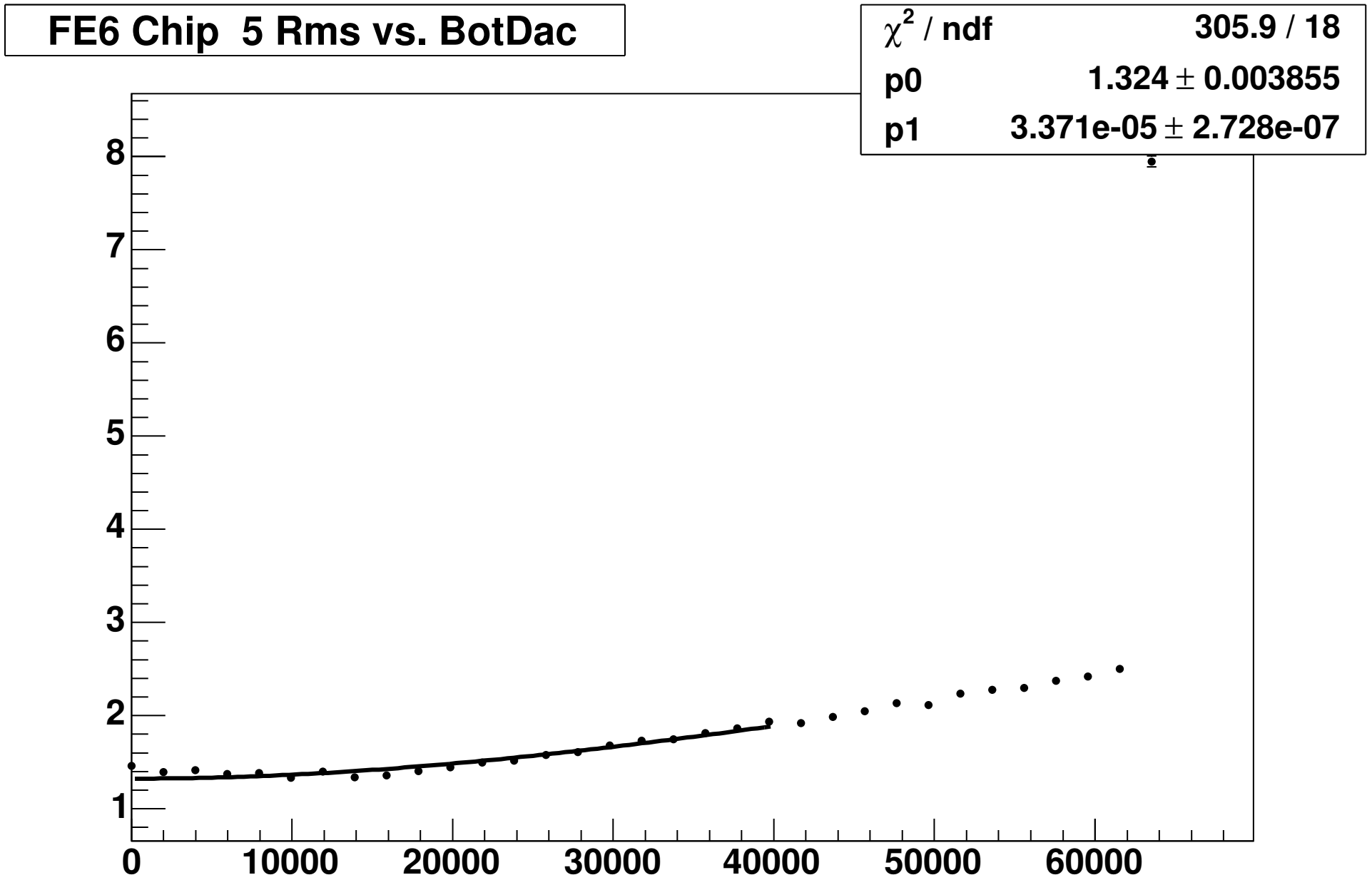
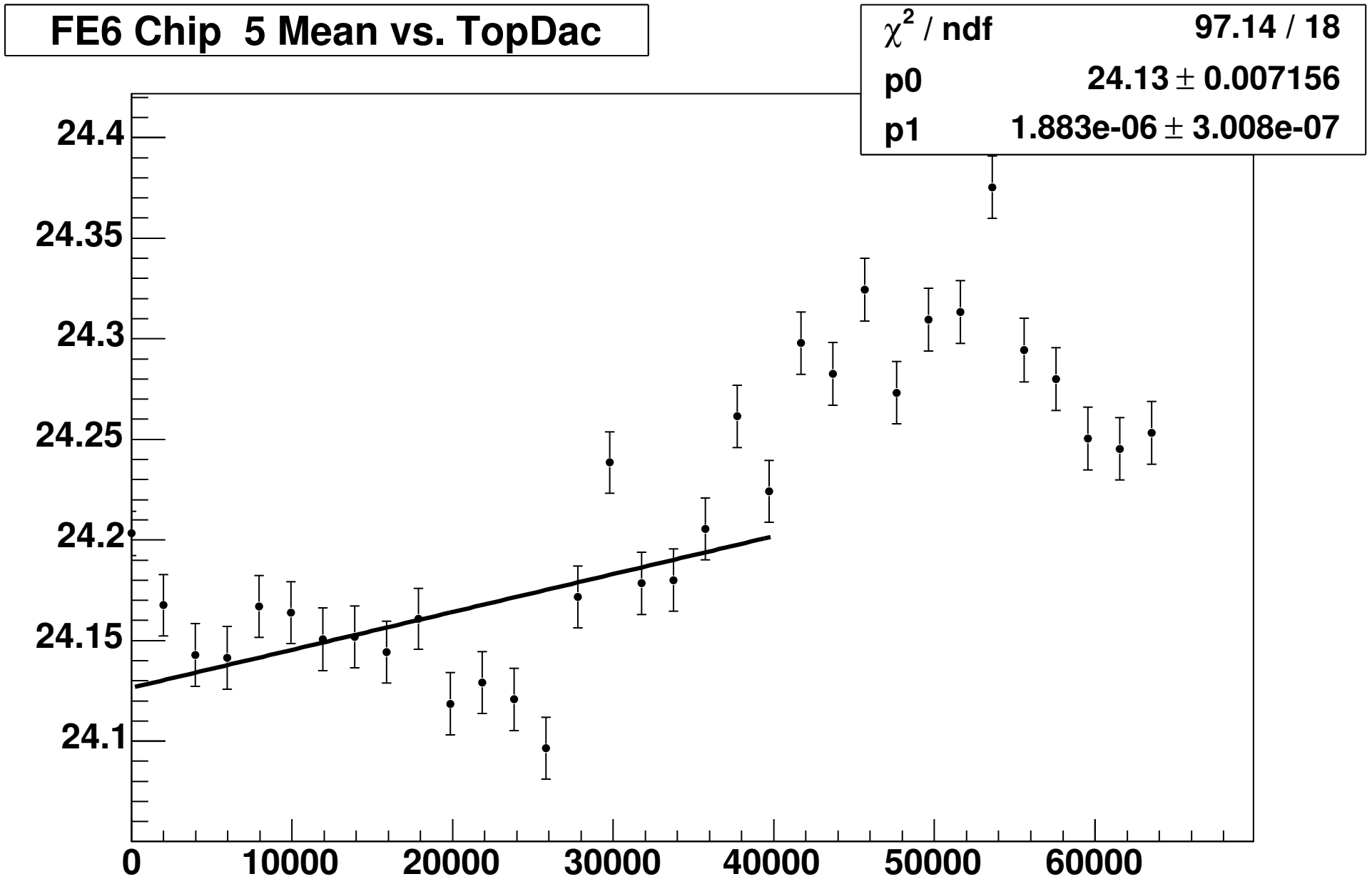
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Rms vs. BotDac
χ² / ndf 305.9 / 18
p0 1.324 ± 0.003855
p1 3.371e-05 ± 2.728e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 5 Mean vs. TopDac
χ² / ndf 97.14 / 18
p0 24.13 ± 0.007156
p1 1.883e-06 ± 3.008e-07
24.4
24.35
24.3
24.25
24.2
24.15
24.1
0
10000
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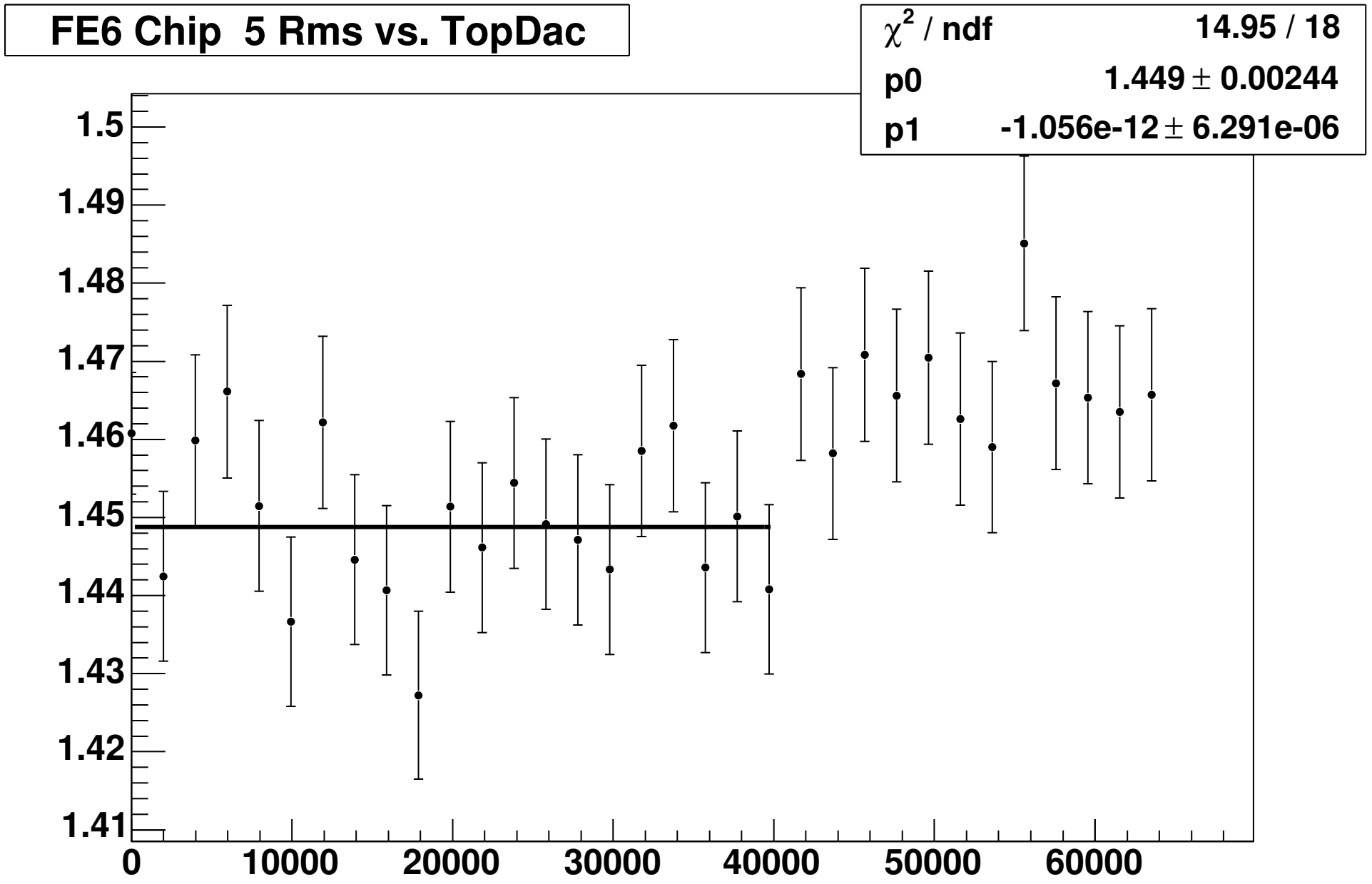
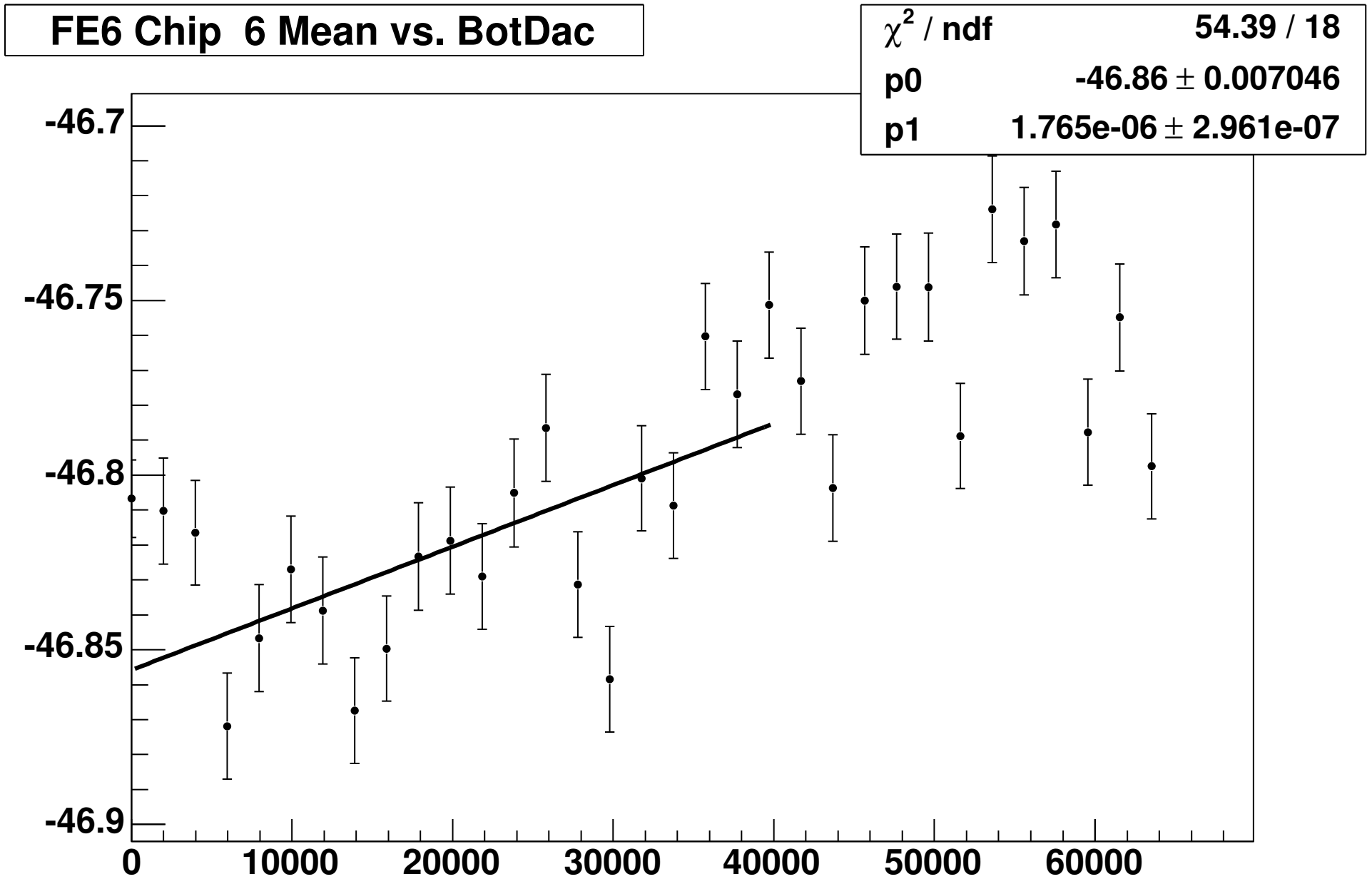
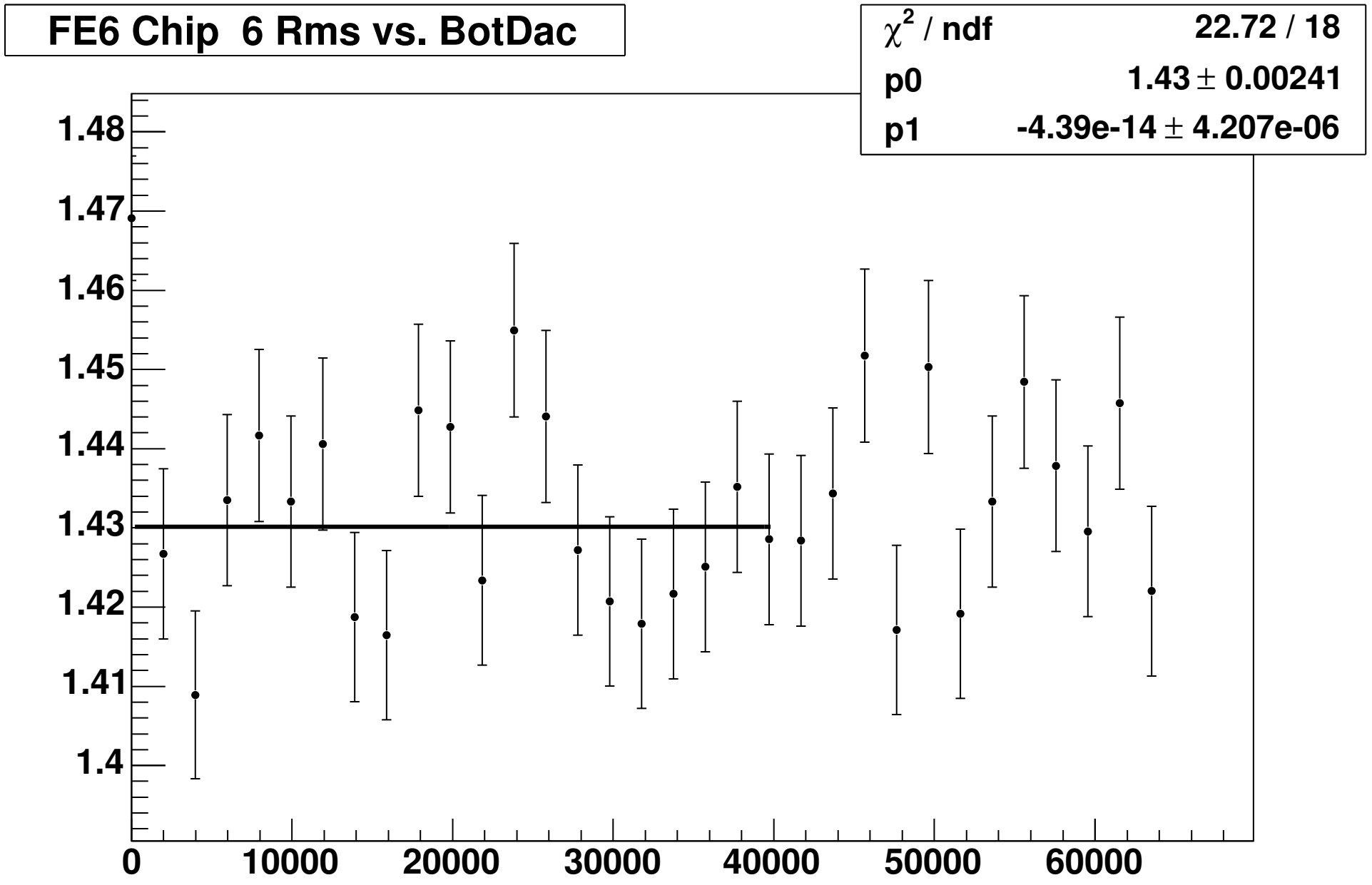
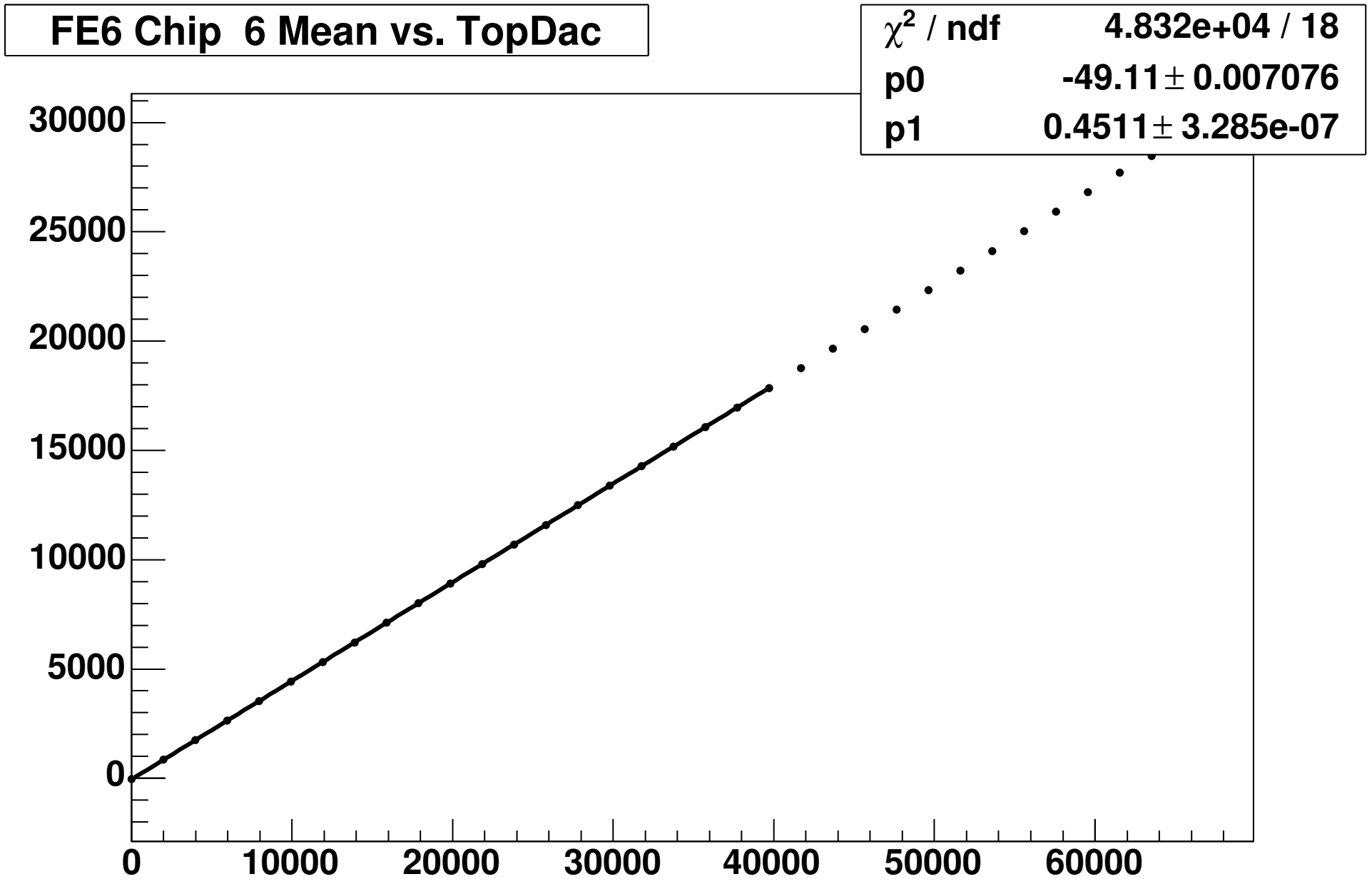
30000
40000
50000
60000


FE6 Chip 5 Rms vs. TopDac
χ² / ndf 14.95 / 18
p0 1.449 ± 0.00244
p1 -1.056e-12 ± 6.291e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
1.41
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Mean vs. BotDac
χ² / ndf 54.39 / 18
p0 -46.86 ± 0.007046
p1 1.765e-06 ± 2.961e-07
-46.7
-46.75
-46.8
-46.85
-46.9
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Rms vs. BotDac
χ² / ndf 22.72 / 18
p0 1.43 ± 0.00241
p1 -4.39e-14 ± 4.207e-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


FE6 Chip 6 Mean vs. TopDac
χ² / ndf 4.832e+04 / 18
p0 -49.11 ± 0.007076
p1 0.4511 ± 3.285e-07
30000
25000
20000
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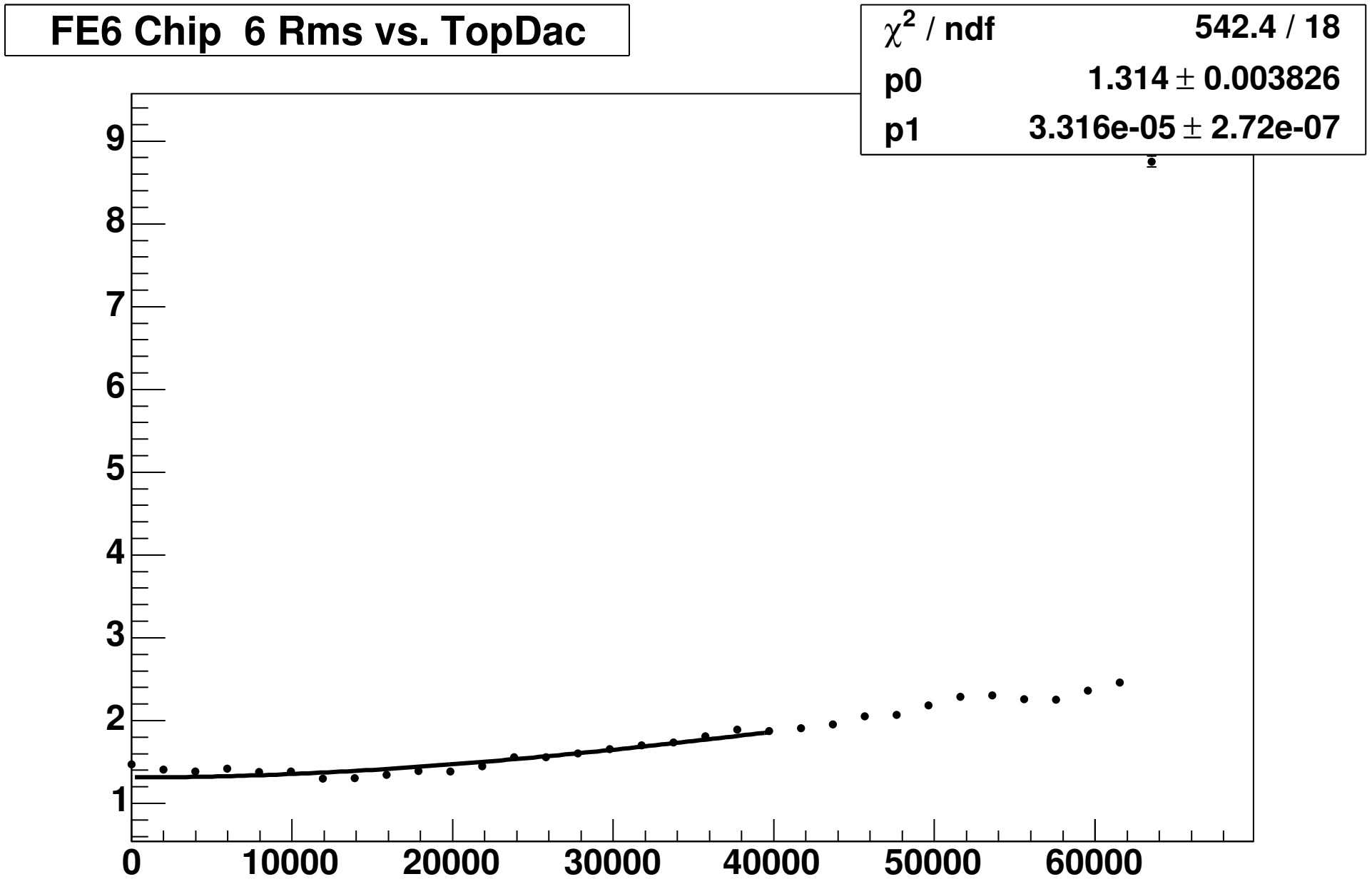
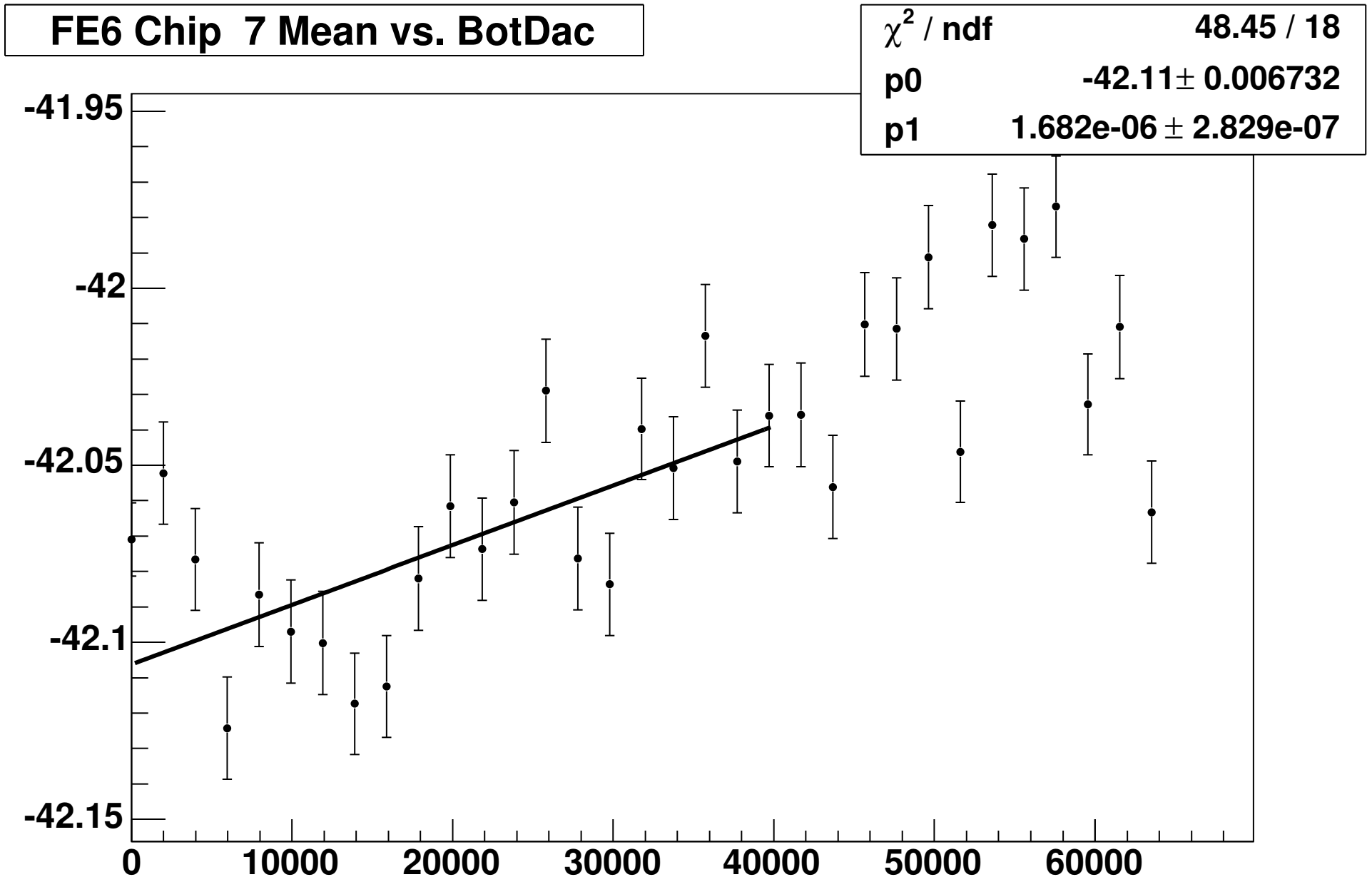
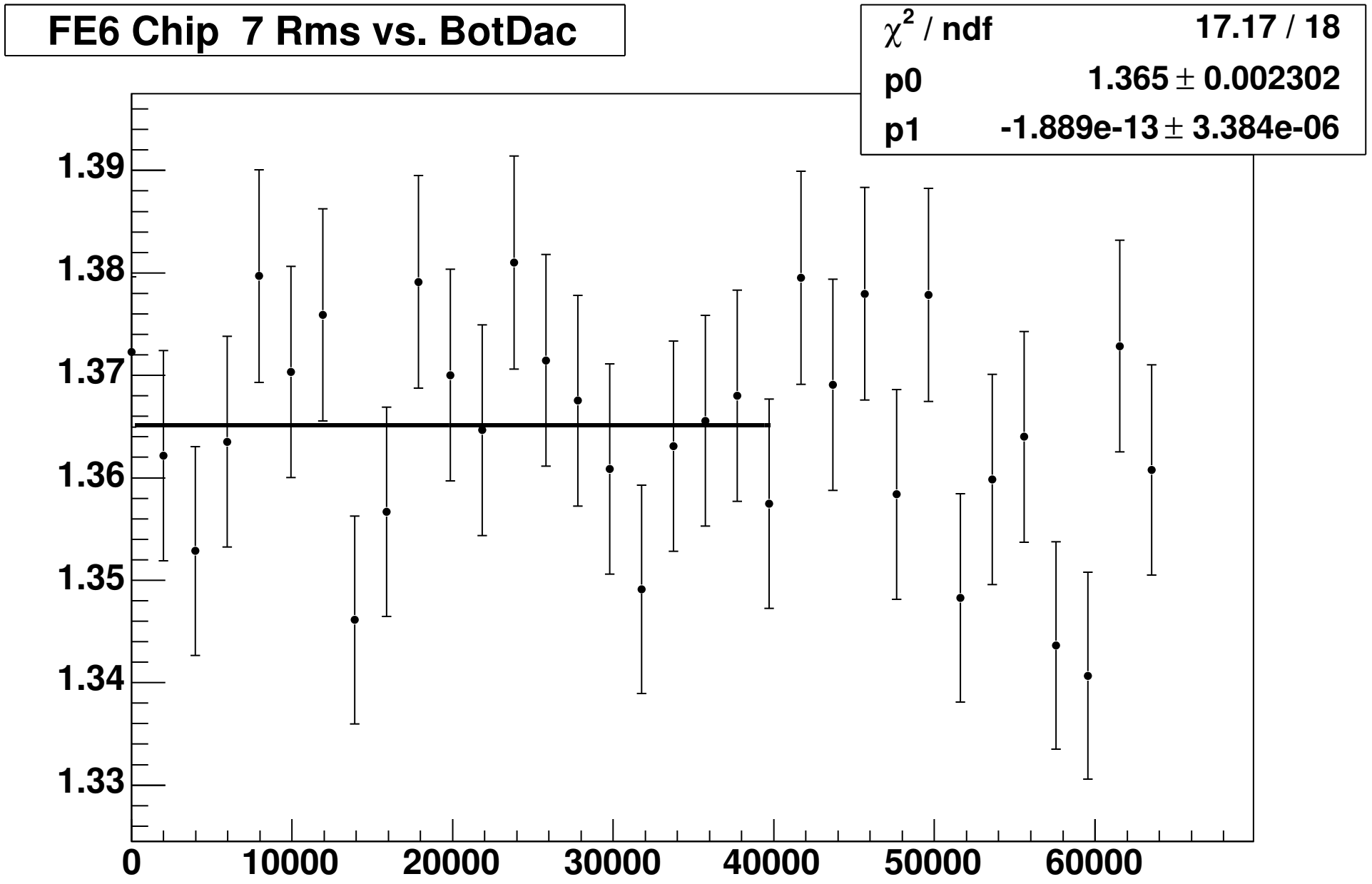
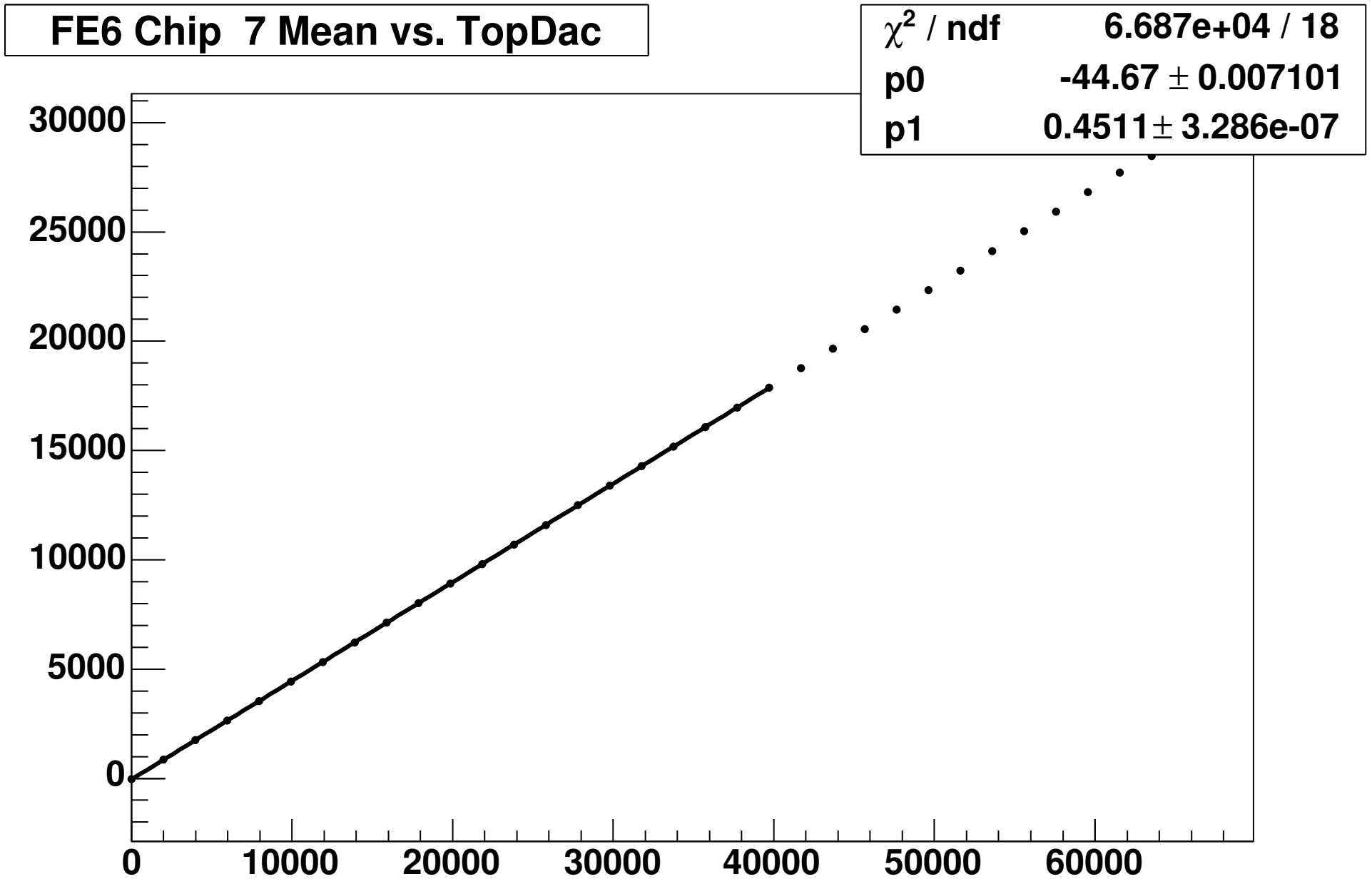
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 6 Rms vs. TopDac
χ² / ndf 542.4 / 18
p0 1.314 ± 0.003826
p1 3.316e-05 ± 2.72e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Mean vs. BotDac
χ² / ndf 48.45 / 18
p0 -42.11 ± 0.006732
p1 1.682e-06 ± 2.829e-07
-41.95
-42
-42.05
-42.1
-42.15
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Rms vs. BotDac
χ² / ndf 17.17 / 18
p0 1.365 ± 0.002302
p1 -1.889e-13 ± 3.384e-06
1.39
1.38
1.37
1.36
1.35
1.34
1.33
0
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Mean vs. TopDac
χ² / ndf 6.687e+04 / 18
p0 -44.67 ± 0.007101
p1 0.4511 ± 3.286e-07
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25000
20000
15000
10000
5000
0
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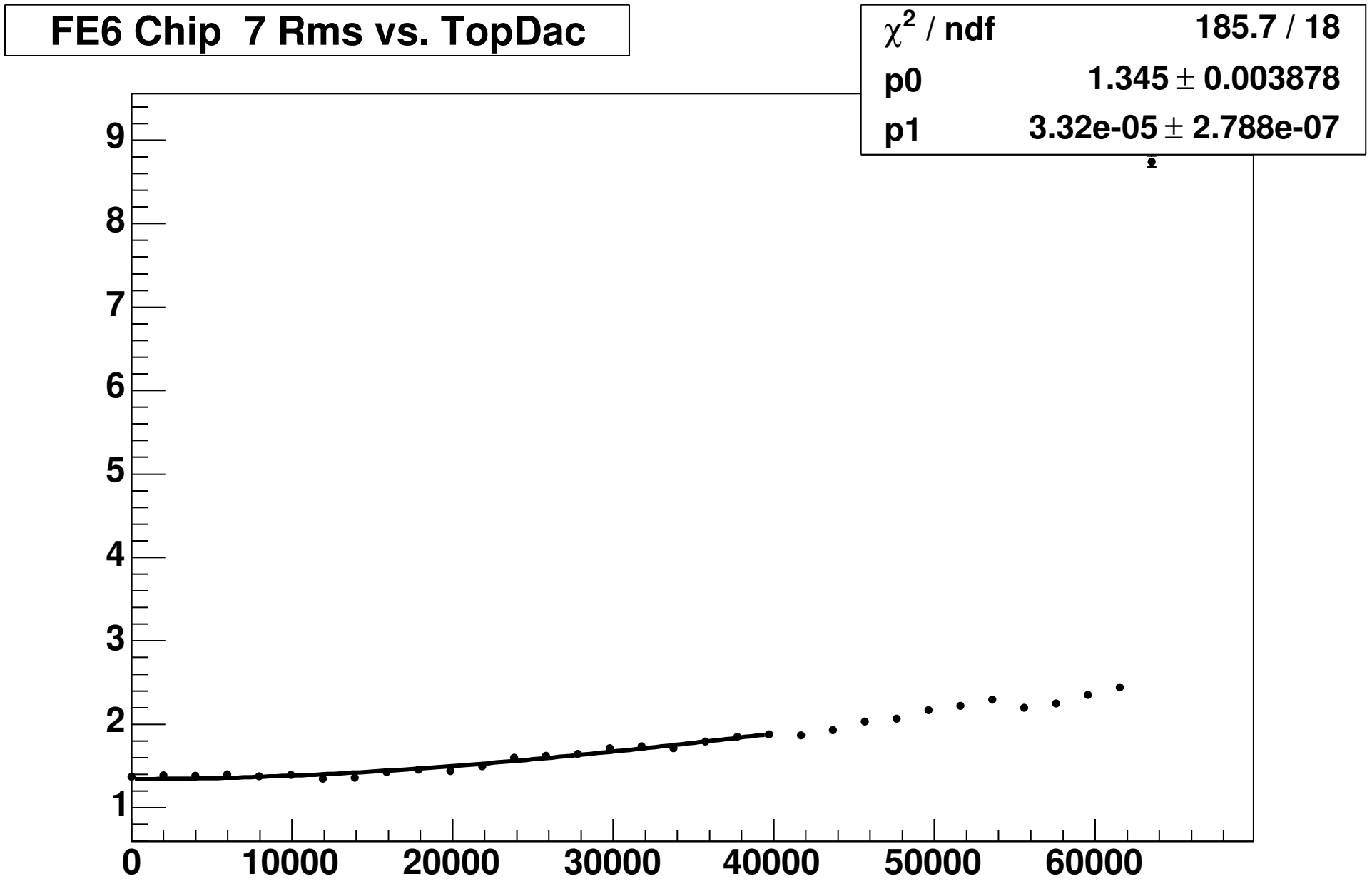
10000
20000
30000
40000
50000
60000


FE6 Chip 7 Rms vs. TopDac
χ² / ndf 185.7 / 18
p0 1.345 ± 0.003878
p1 3.32e-05 ± 2.788e-07
9
8
7
6
5
4
3
2
1
0
10000
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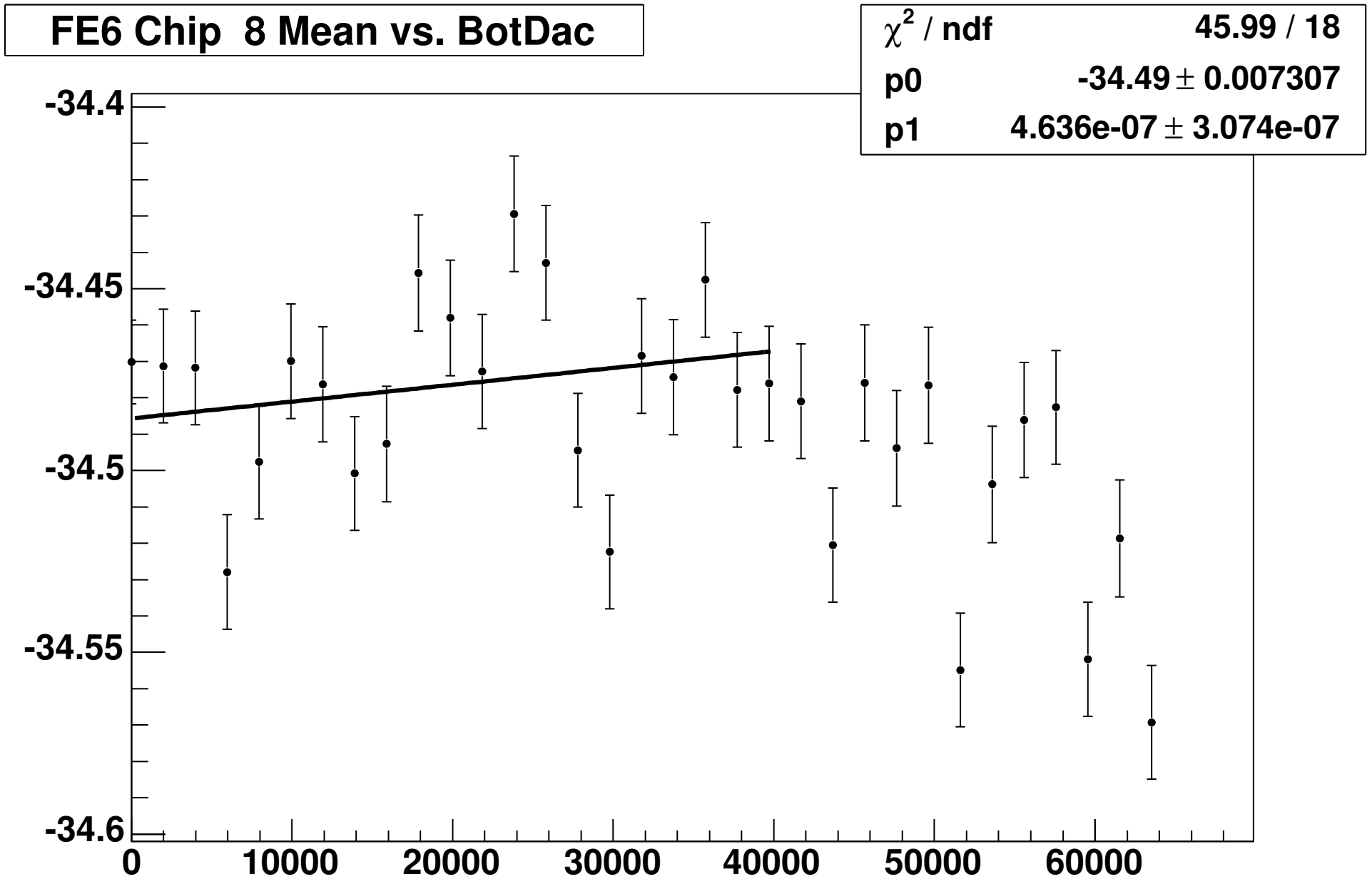
60000


FE6 Chip 8 Mean vs. BotDac
χ² / ndf 45.99 / 18
p0 -34.49 ± 0.007307
p1 4.636e-07 ± 3.074e-07
-34.4
-34.45
-34.5
-34.55
-34.6
0
10000
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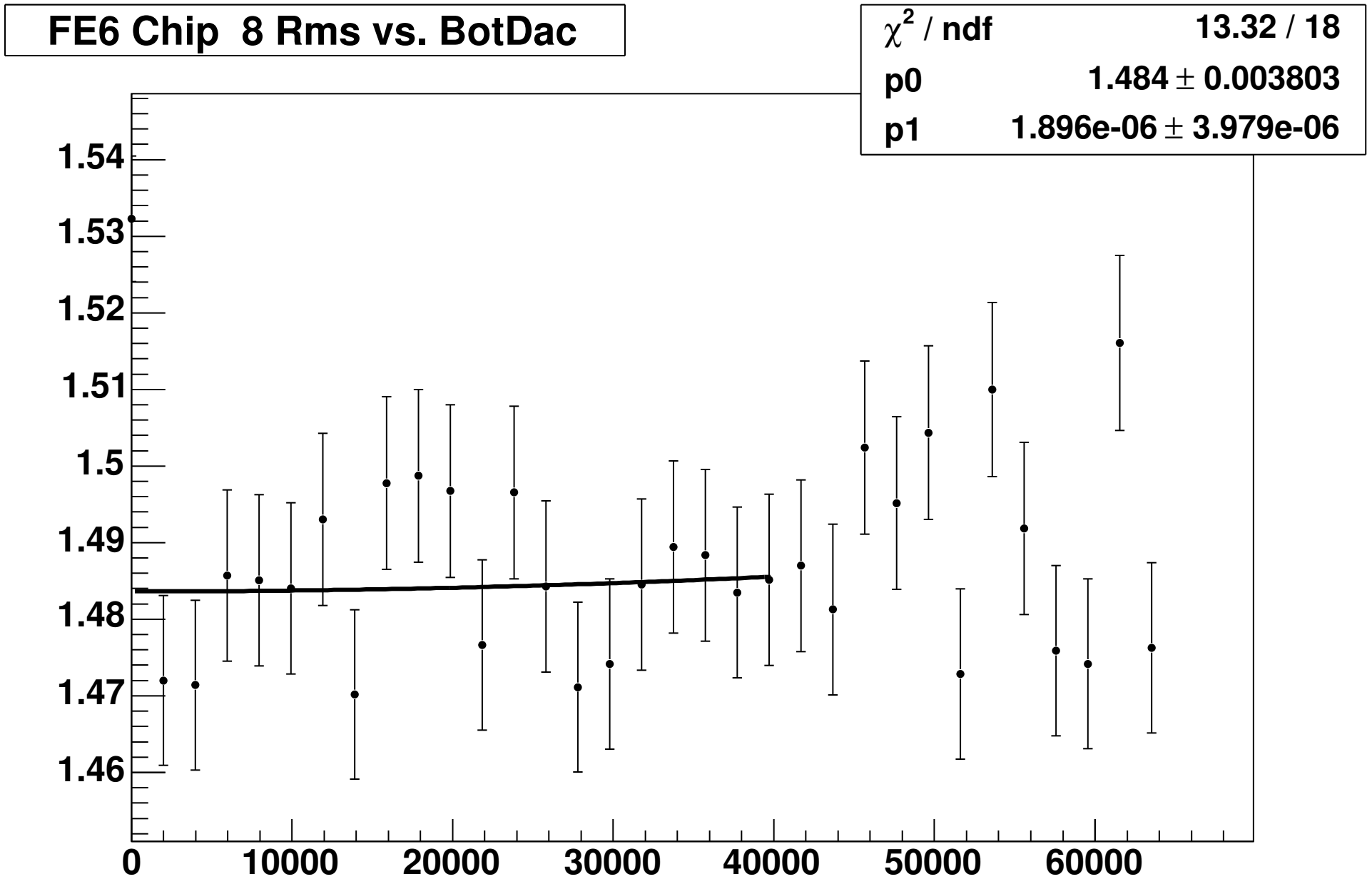
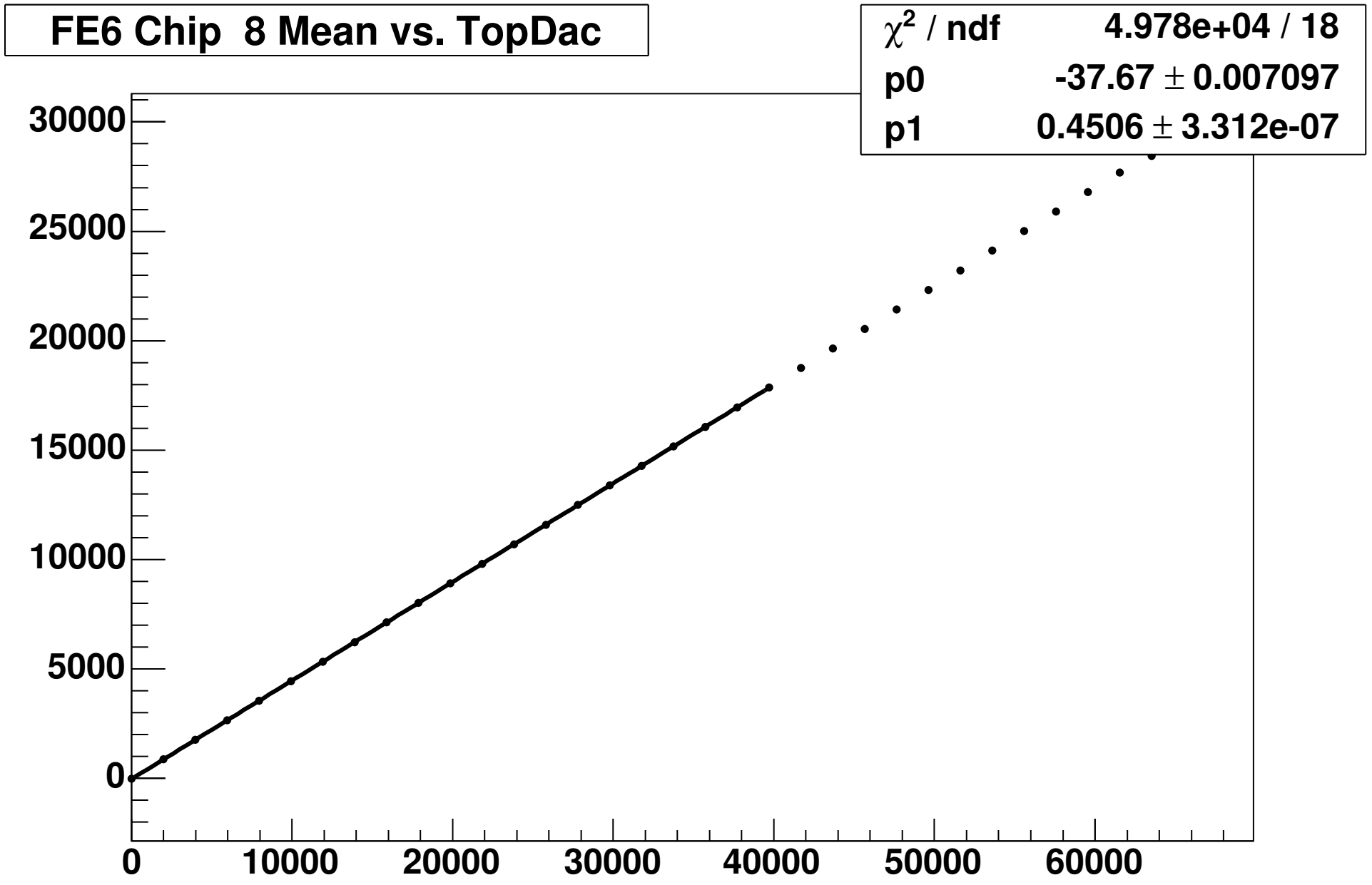
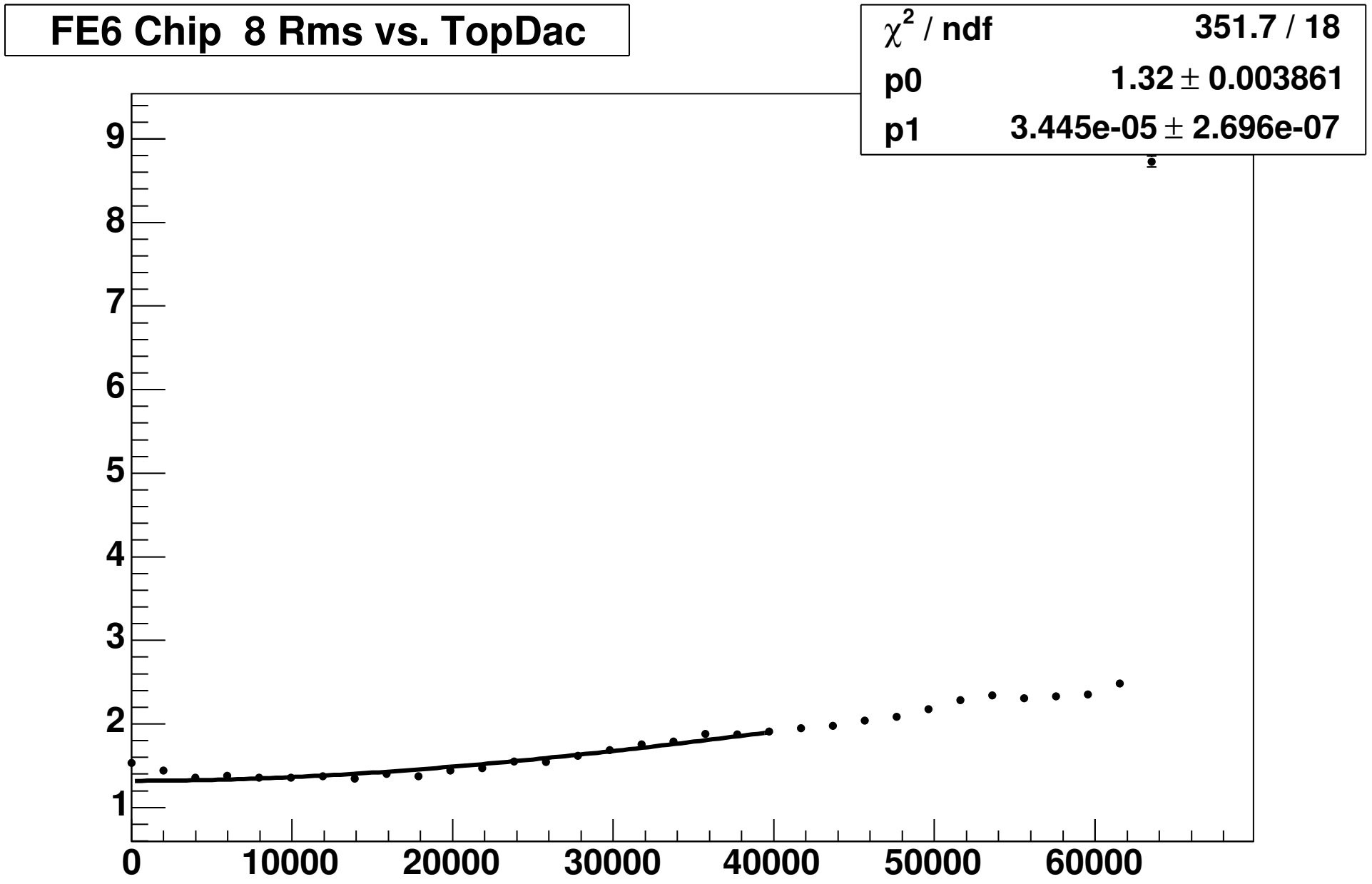
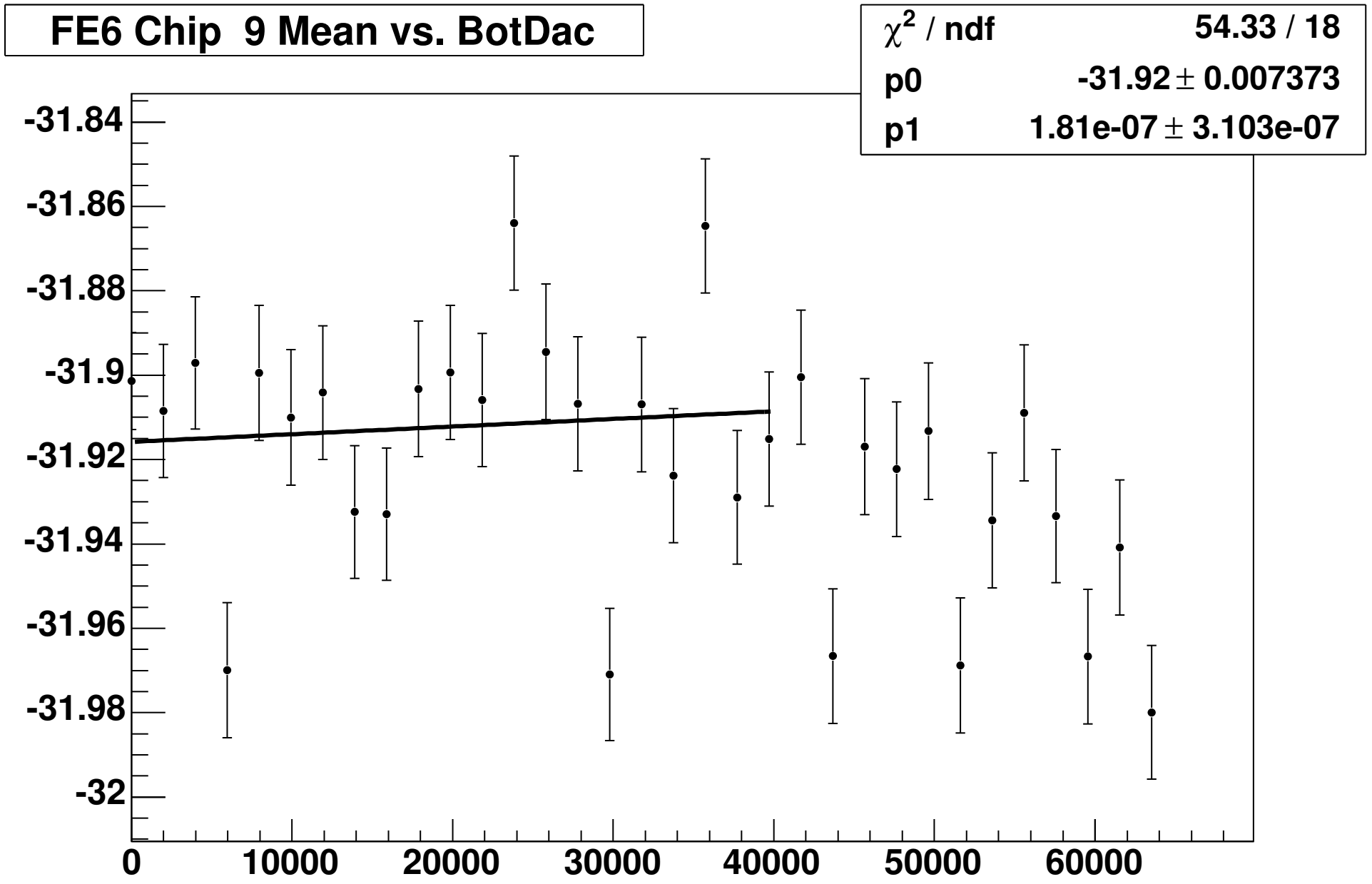
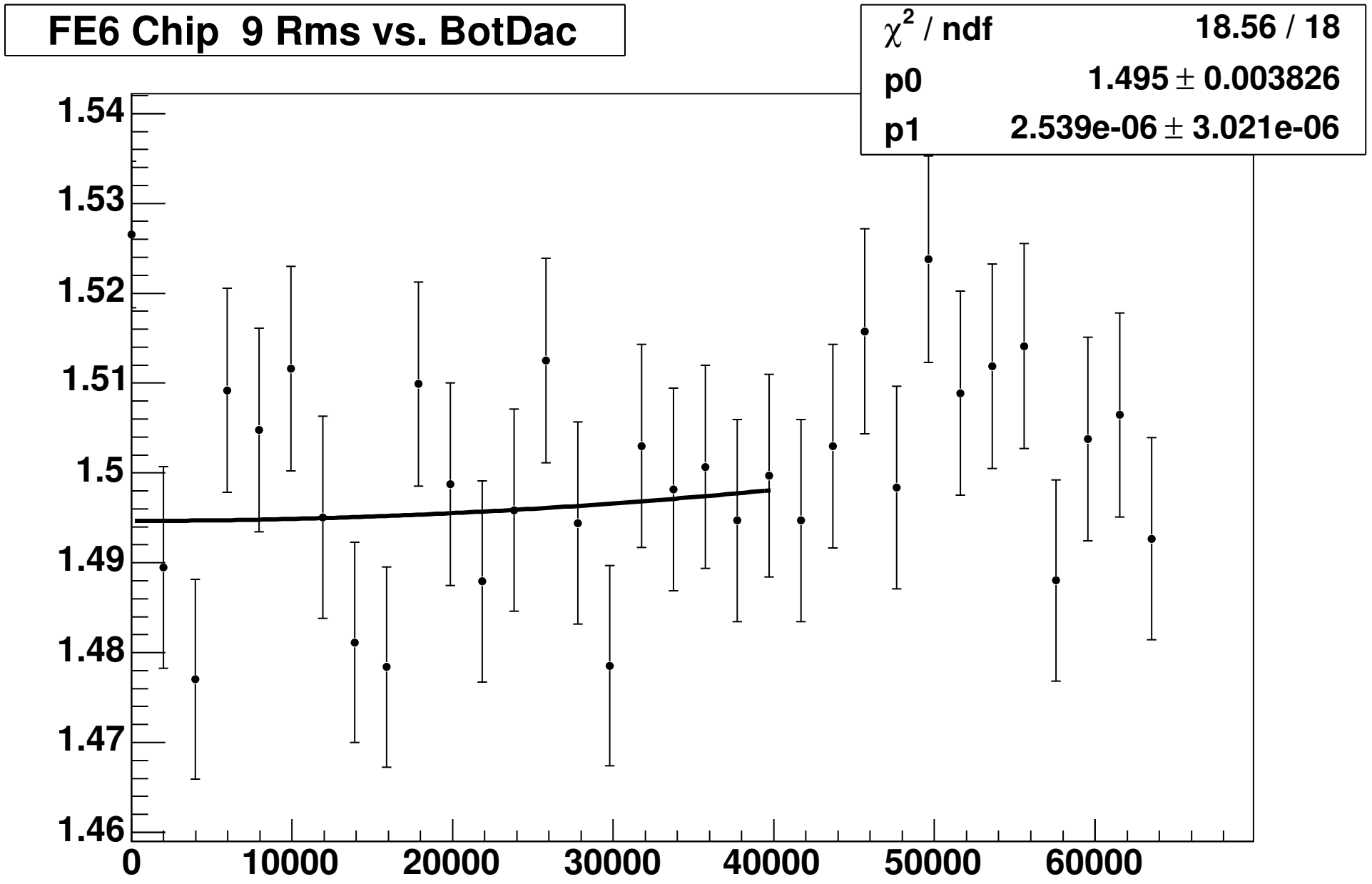
40000
50000
60000

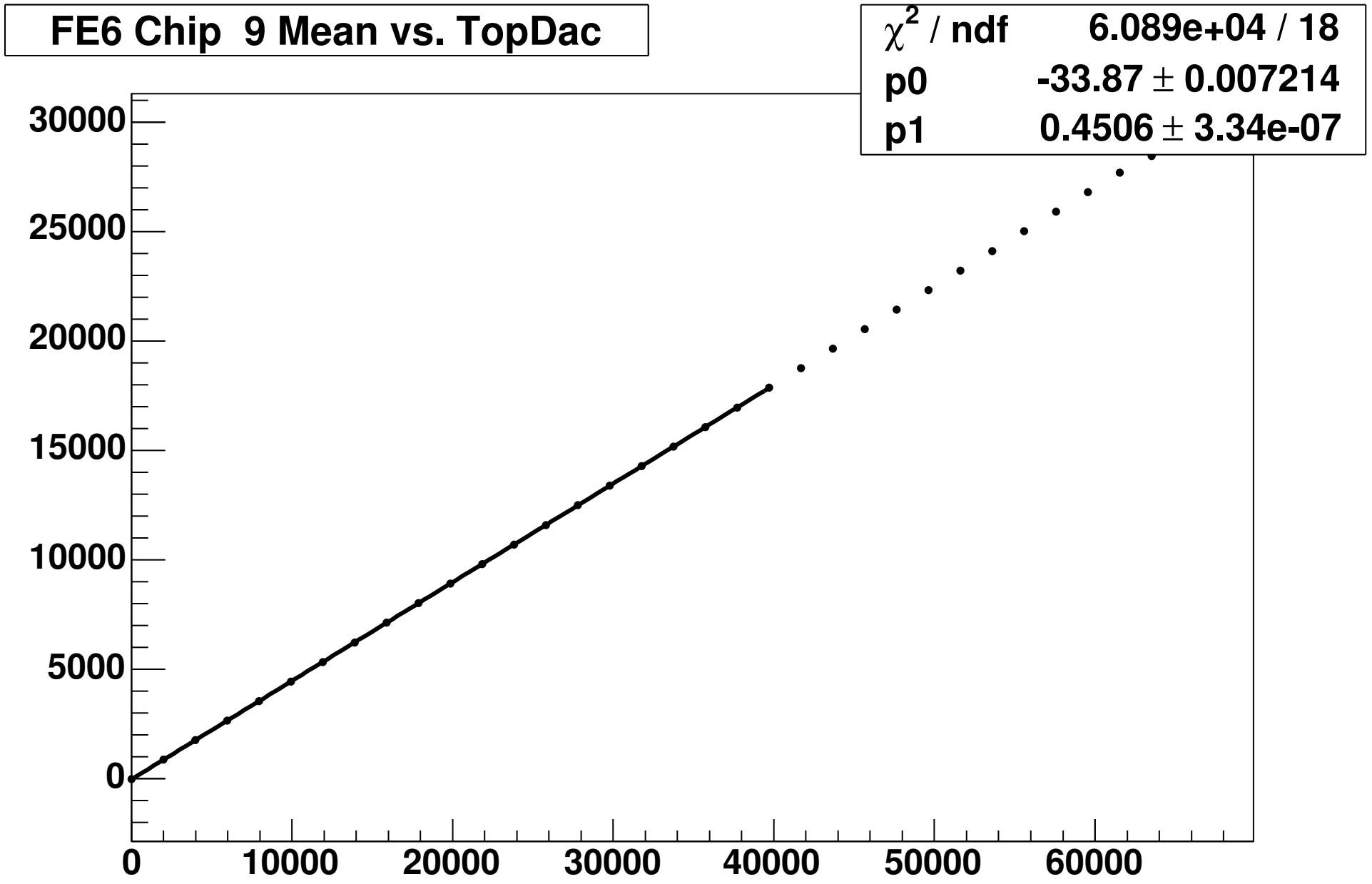

FE6 Chip 8 Rms vs. BotDac
χ² / ndf 13.32 / 18
p0 1.484 ± 0.003803
p1 1.896e-06 ± 3.979e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
0
10000
20000
30000
40000
50000
60000

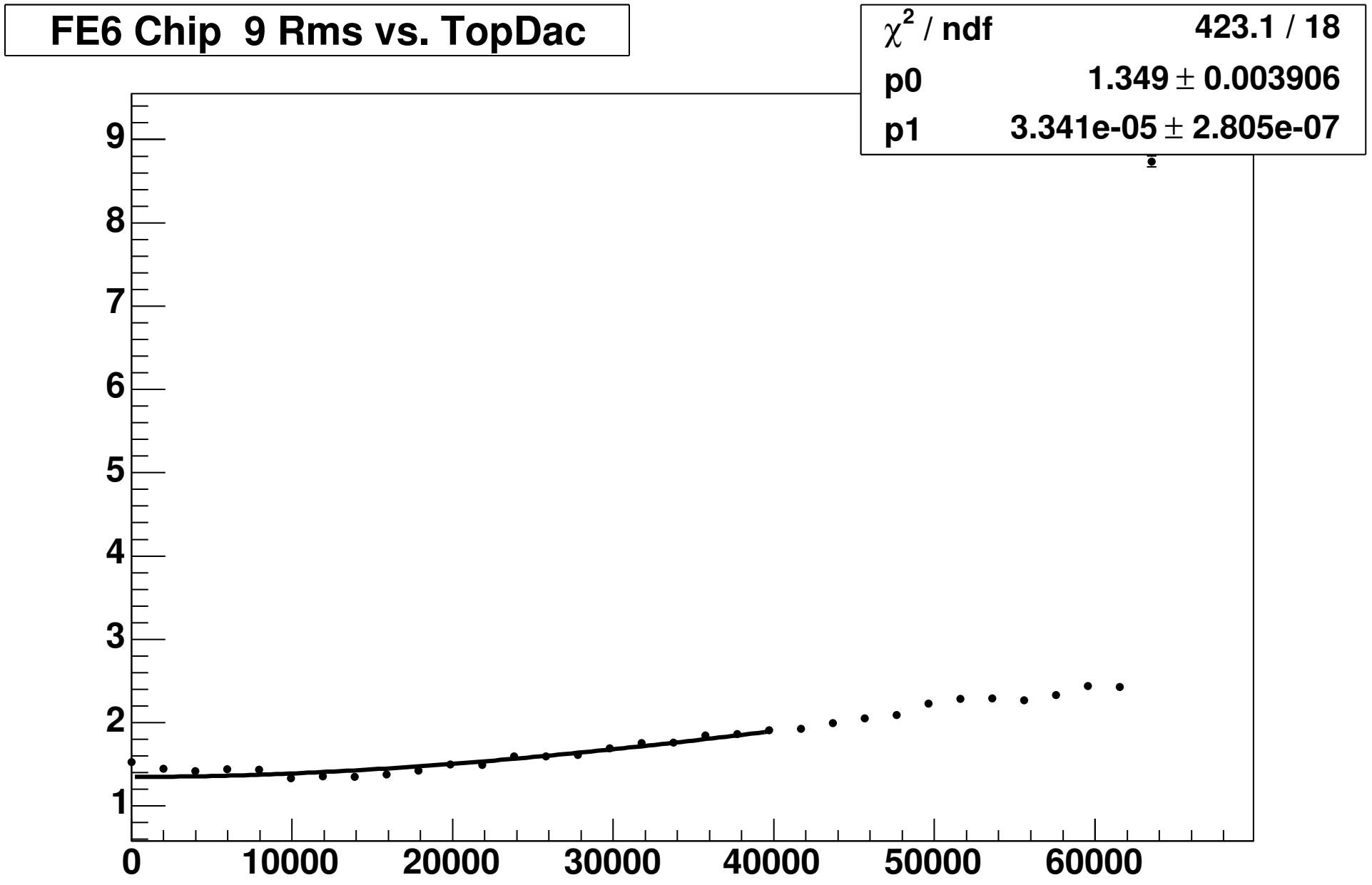

FE6 Chip 8 Mean vs. TopDac
χ² / ndf 4.978e+04 / 18
p0 -37.67 ± 0.007097
p1 0.4506 ± 3.312e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

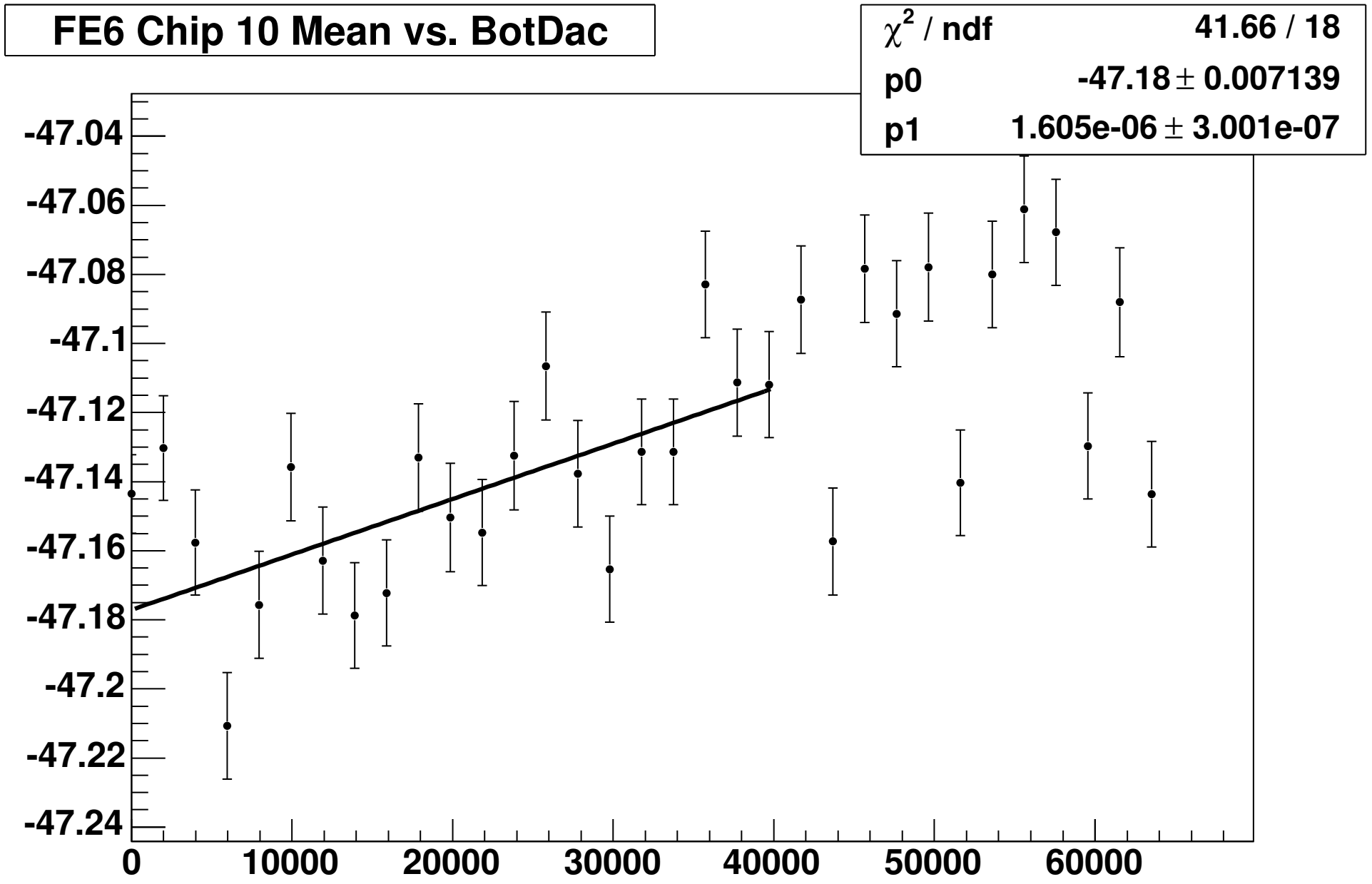

FE6 Chip 8 Rms vs. TopDac
χ² / ndf 351.7 / 18
p0 1.32 ± 0.003861
p1 3.445e-05 ± 2.696e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Mean vs. BotDac
χ² / ndf 54.33 / 18
p0 -31.92 ± 0.007373
p1 1.81e-07 ± 3.103e-07
-31.84
-31.86
-31.88
-31.9
-31.92
-31.94
-31.96
-31.98
-32
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. BotDac
χ² / ndf 18.56 / 18
p0 1.495 ± 0.003826
p1 2.539e-06 ± 3.021e-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


FE6 Chip 9 Mean vs. TopDac
χ^2 / ndf 6.089e+04 / 18
p0 -33.87 ± 0.007214
p1 0.4506 ± 3.34e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 9 Rms vs. TopDac
χ² / ndf 423.1 / 18
p0 1.349 ± 0.003906
p1 3.341e-05 ± 2.805e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Mean vs. BotDac
χ² / ndf 41.66 / 18
p0 -47.18 ± 0.007139
p1 1.605e-06 ± 3.001e-07
-47.04
-47.06
-47.08
-47.1
-47.12
-47.14
-47.16
-47.18
-47.2
-47.22
-47.24
0
10000
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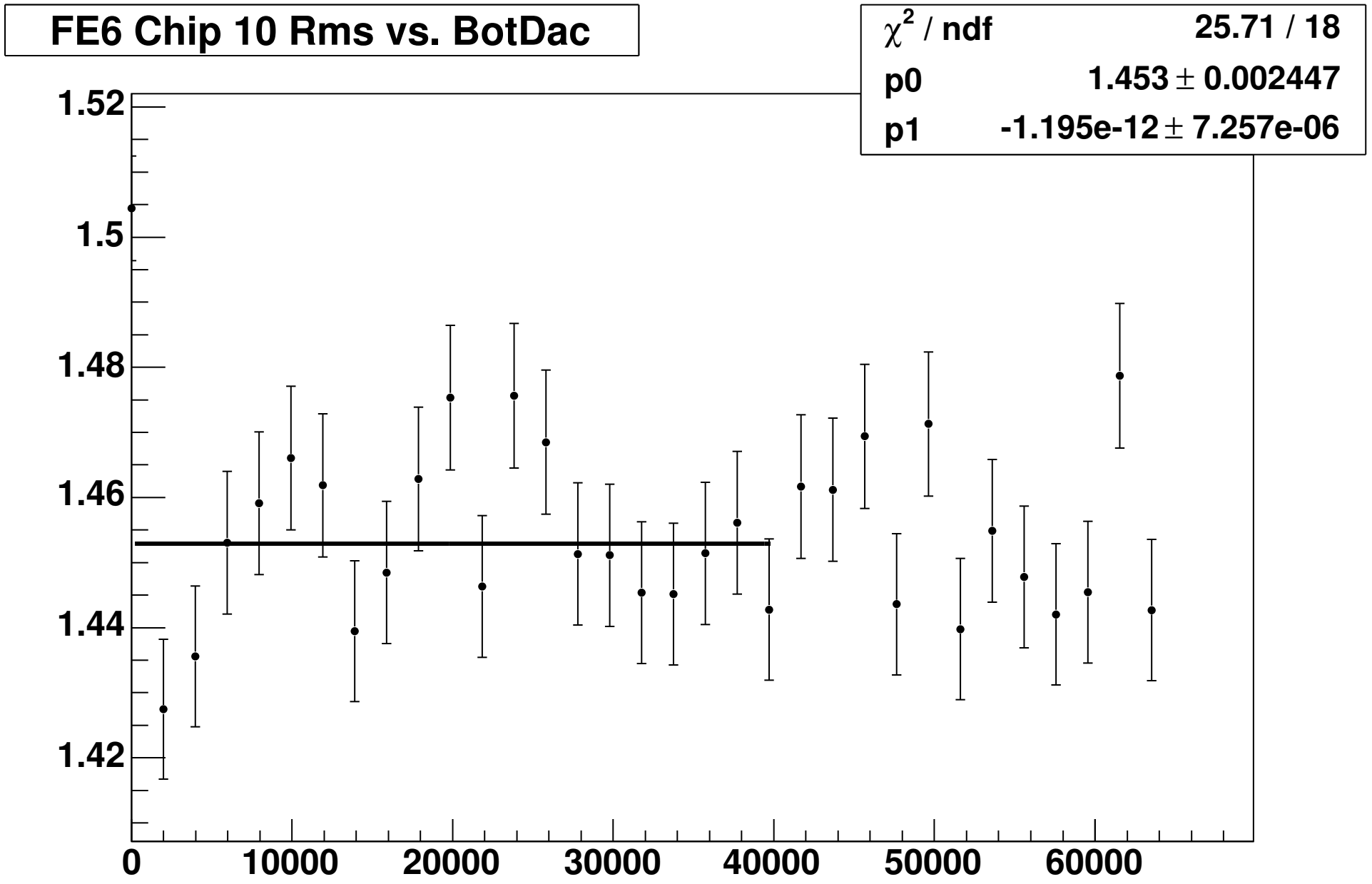
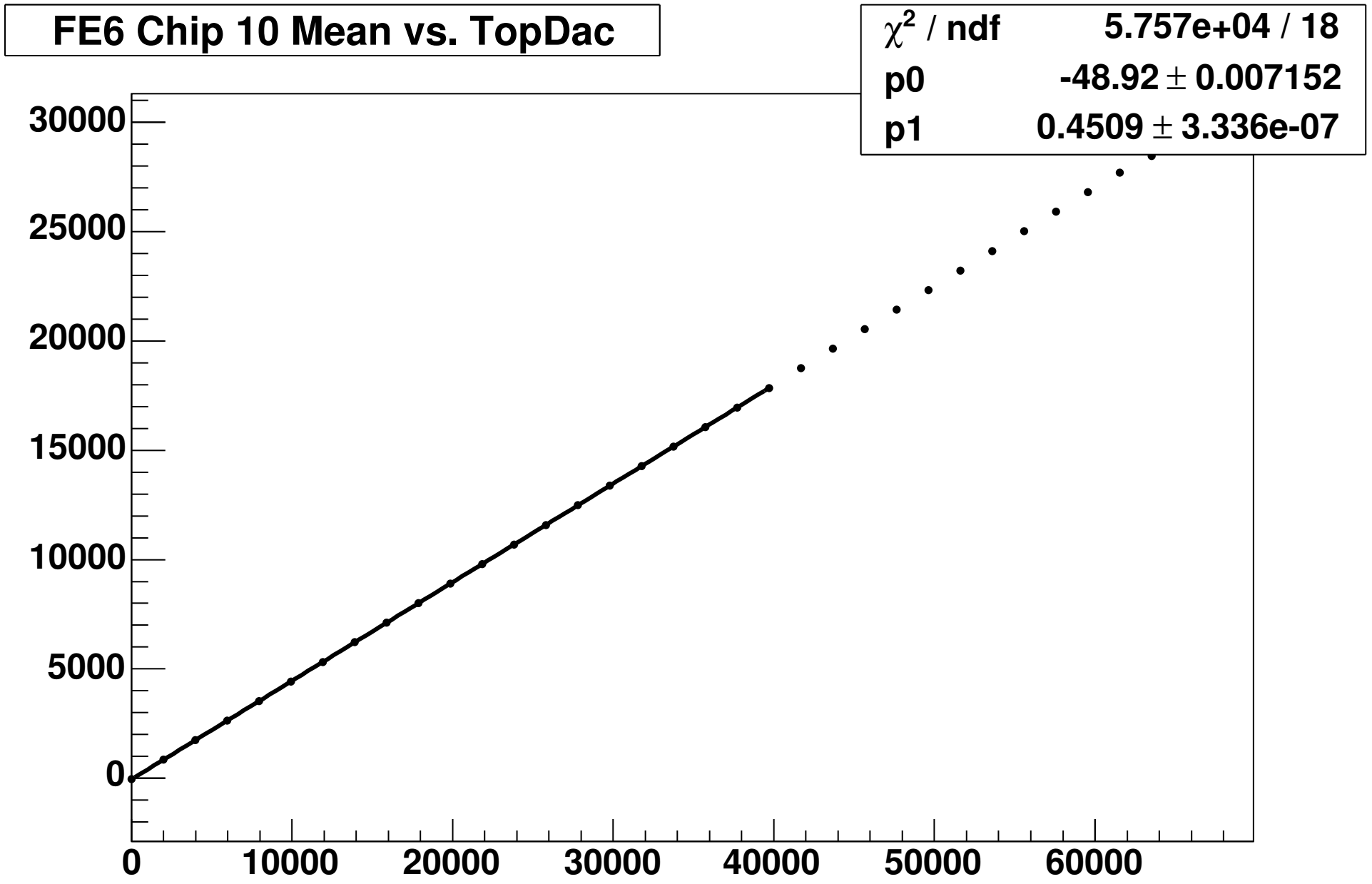
30000
40000
50000
60000


FE6 Chip 10 Rms vs. BotDac
χ² / ndf 25.71 / 18
p0 1.453 ± 0.002447
p1 -1.195e-12 ± 7.257e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Mean vs. TopDac
χ² / ndf 5.757e+04 / 18
p0 -48.92 ± 0.007152
p1 0.4509 ± 3.336e-07
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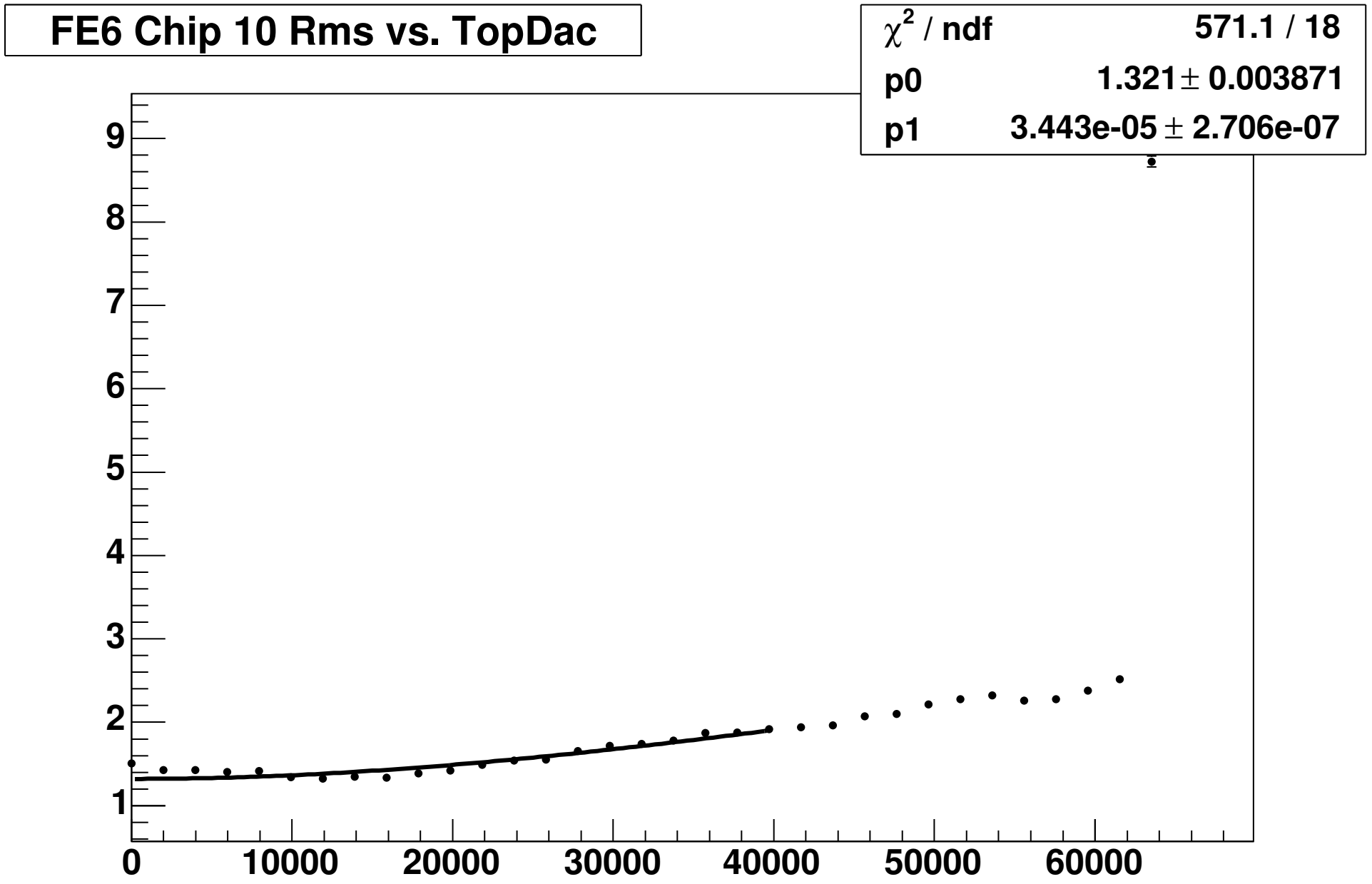
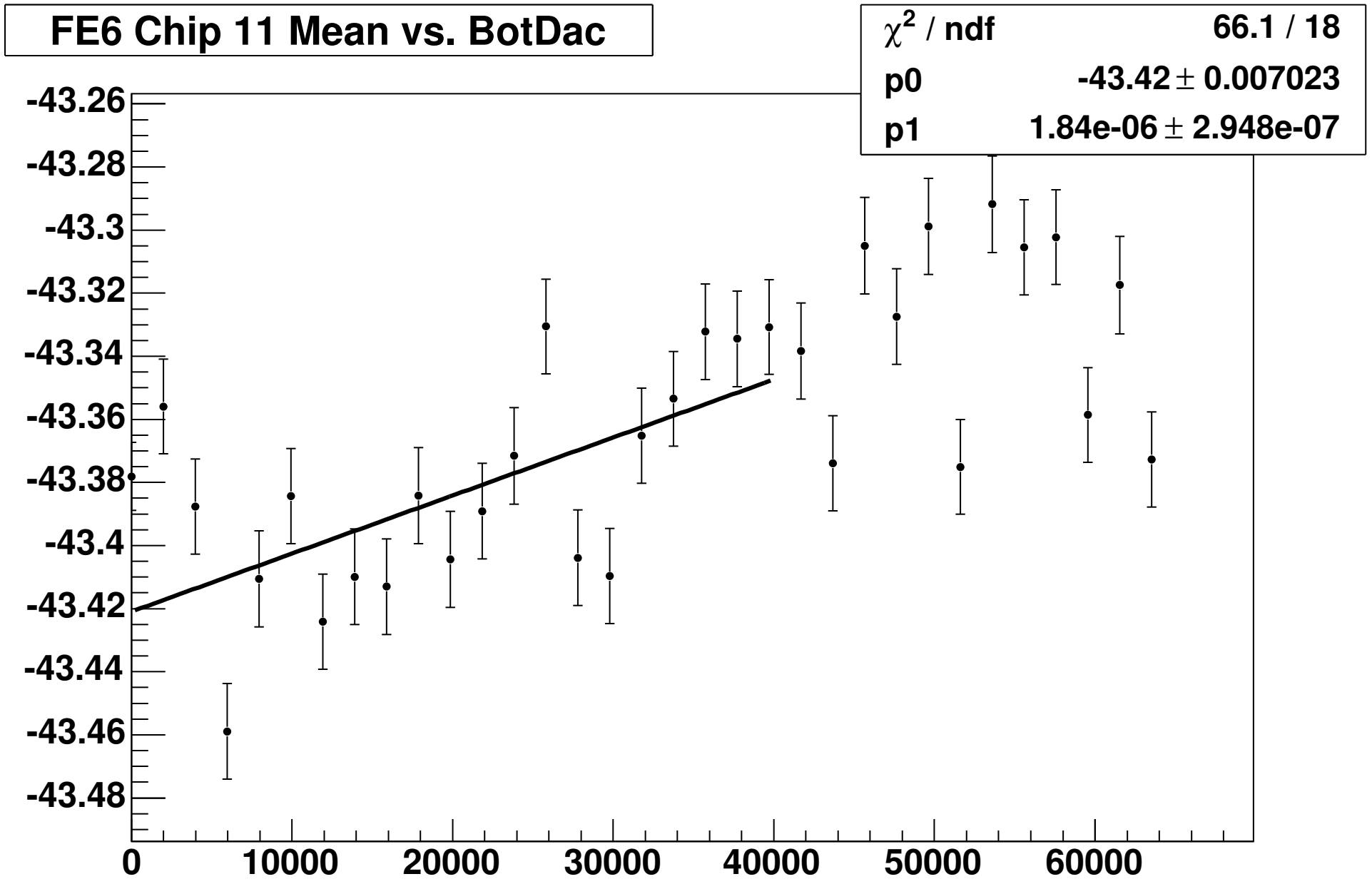
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE6 Chip 10 Rms vs. TopDac
χ² / ndf 571.1 / 18
p0 1.321 ± 0.003871
p1 3.443e-05 ± 2.706e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE6 Chip 11 Mean vs. BotDac
χ² / ndf 66.1 / 18
p0 -43.42 ± 0.007023
p1 1.84e-06 ± 2.948e-07
-43.26
-43.28
-43.3
-43.32
-43.34
-43.36
-43.38
-43.4
-43.42
-43.44
-43.46
-43.48
0
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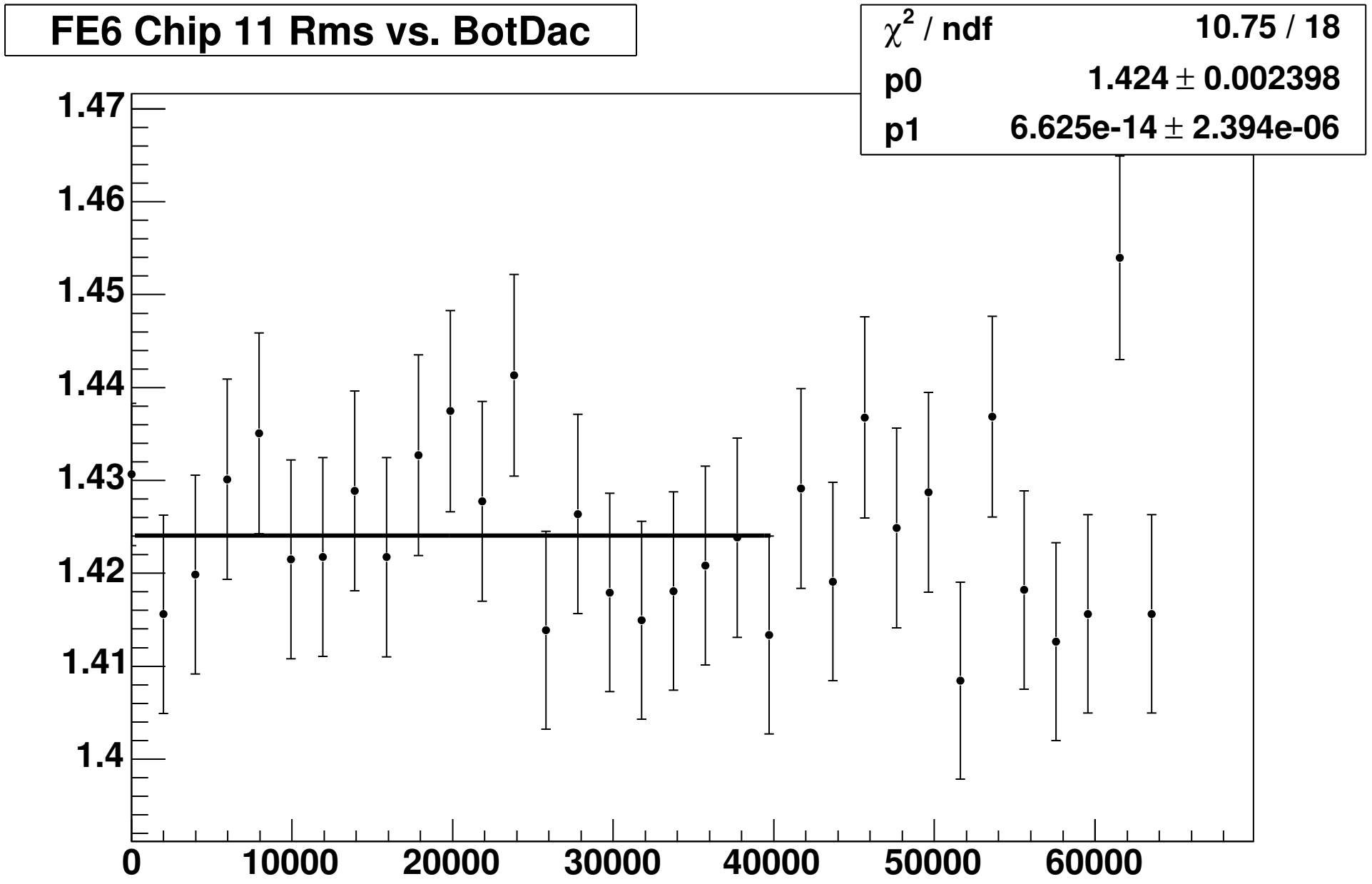
FE6 Chip 11 Rms vs. BotDac
χ^2 / ndf 10.75 / 18
p0 1.424 ± 0.002398
p1 6.625e-14 ± 2.394e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
0
10000
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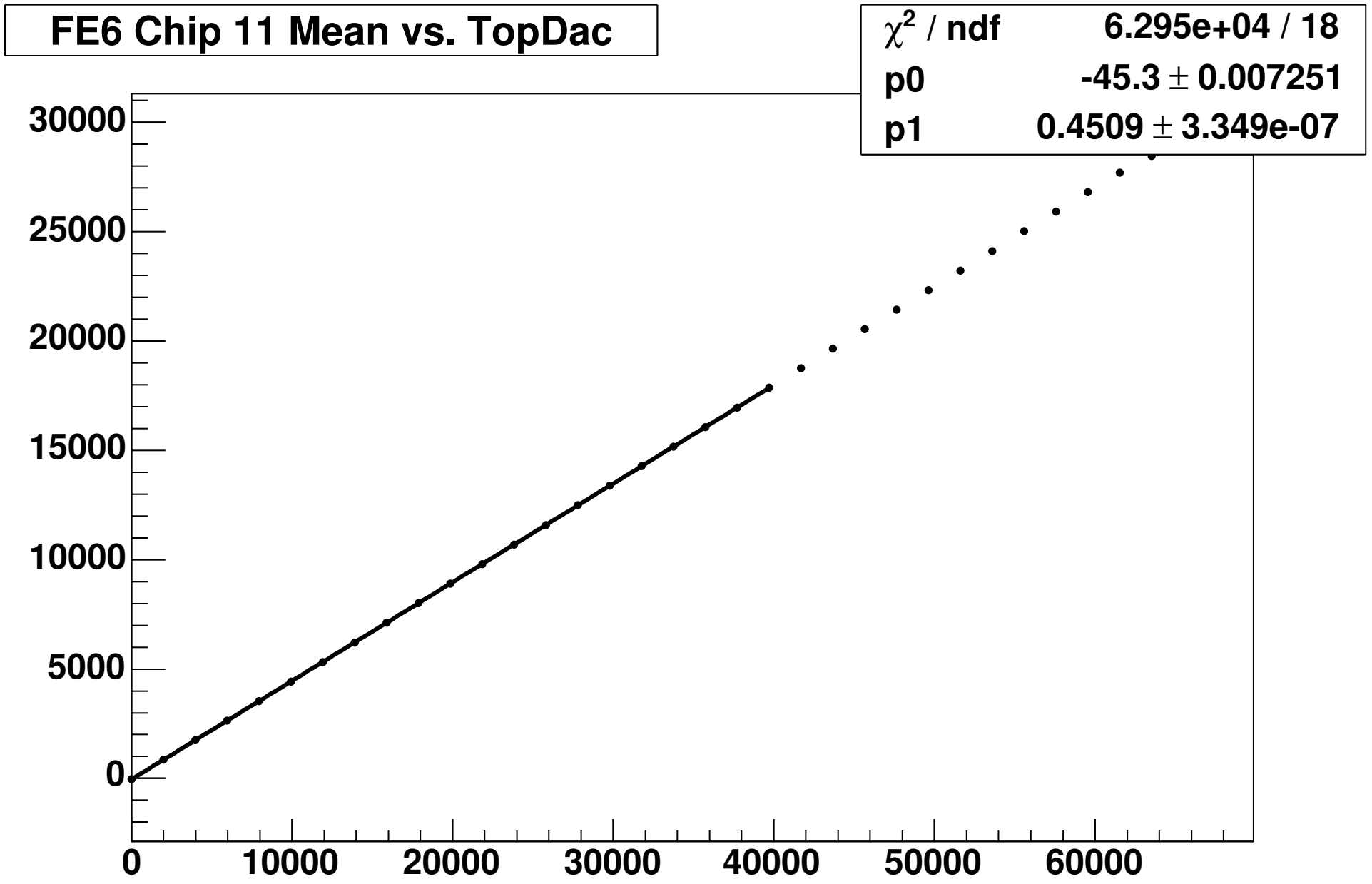
FE6 Chip 11 Mean vs. TopDac
χ² / ndf 6.295e+04 / 18
p0 -45.3 ± 0.007251
p1 0.4509 ± 3.349e-07
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25000
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10000
5000
0
0
10000
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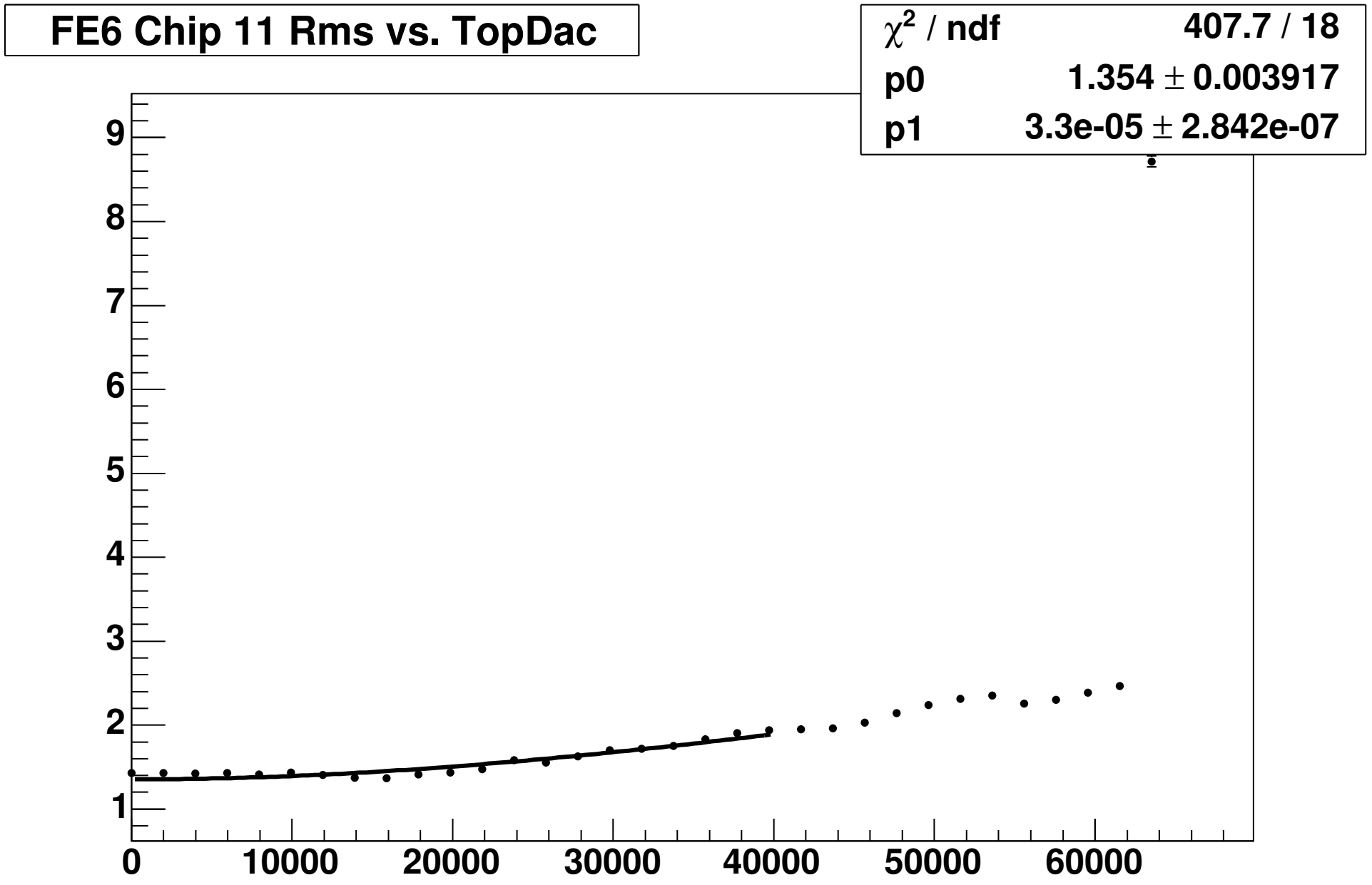
FE6 Chip 11 Rms vs. TopDac
χ² / ndf 407.7 / 18
p0 1.354 ± 0.003917
p1 3.3e-05 ± 2.842e-07
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8
7
6
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10000
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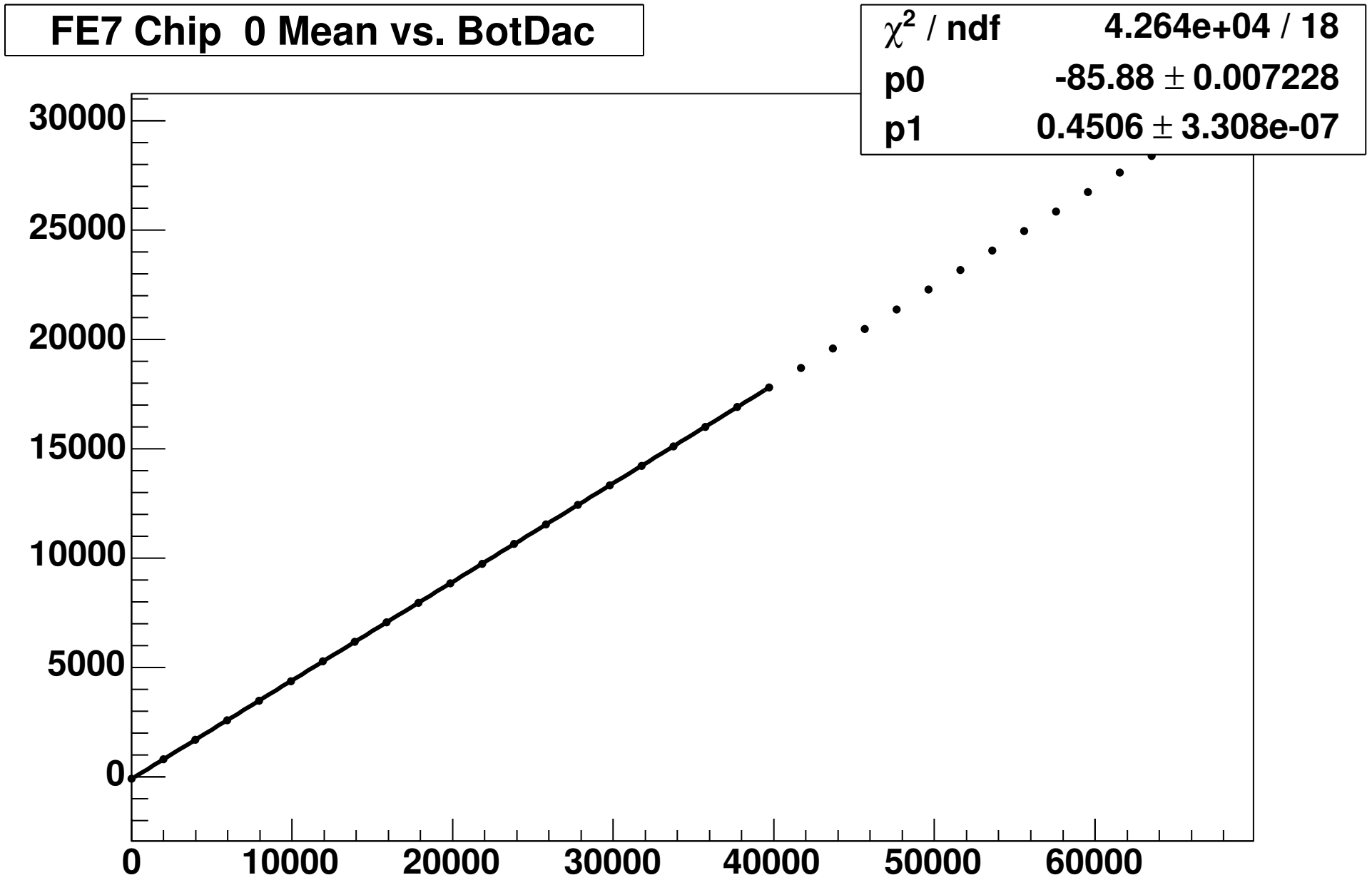
FE7 Chip 0 Mean vs. BotDac
χ² / ndf 4.264e+04 / 18
p0 -85.88 ± 0.007228
p1 0.4506 ± 3.308e-07
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25000
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10000
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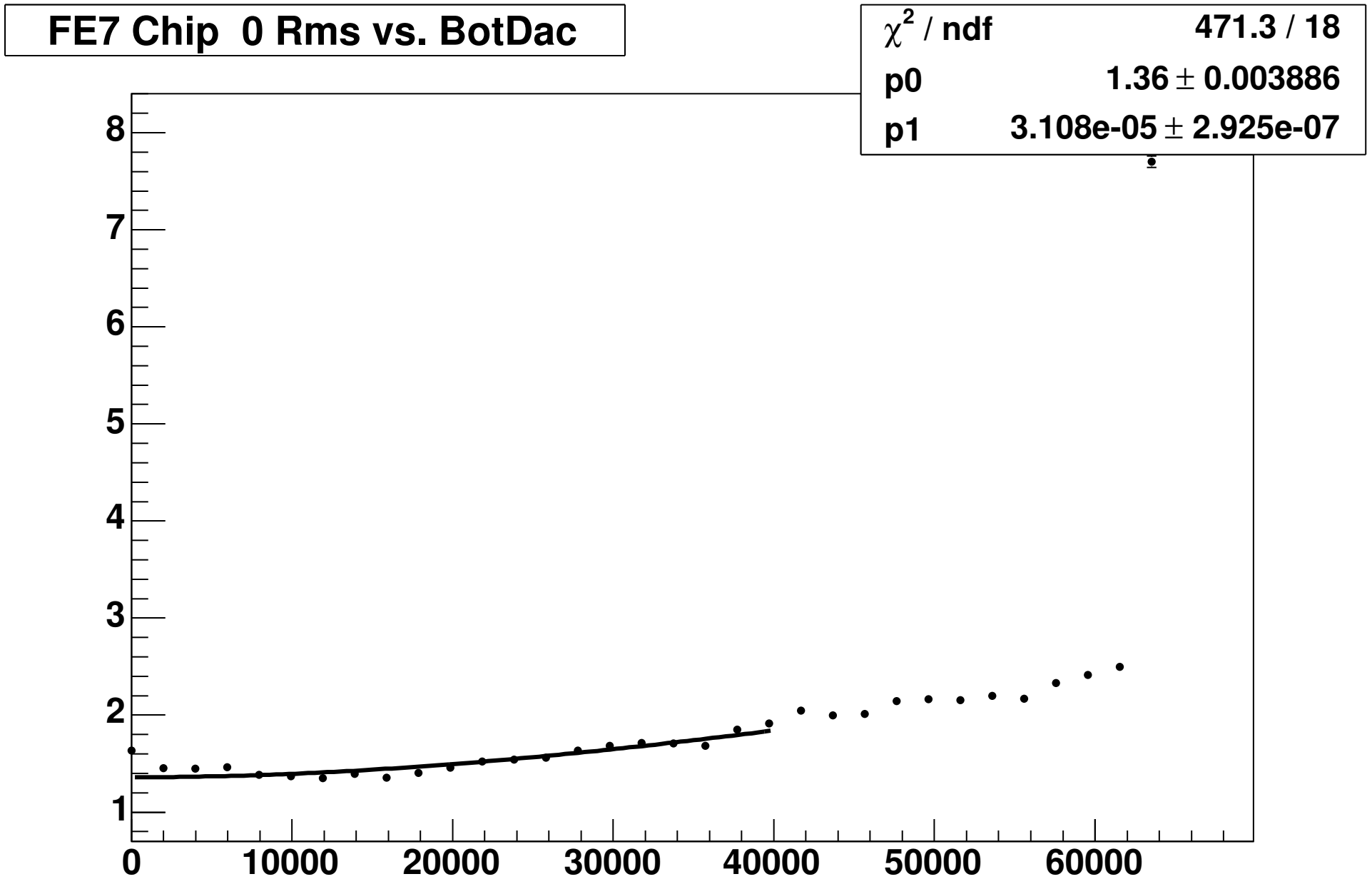
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 0 Rms vs. BotDac
χ² / ndf 471.3 / 18
p0 1.36 ± 0.003886
p1 3.108e-05 ± 2.925e-07
8
7
6
5
4
3
2
1
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10000
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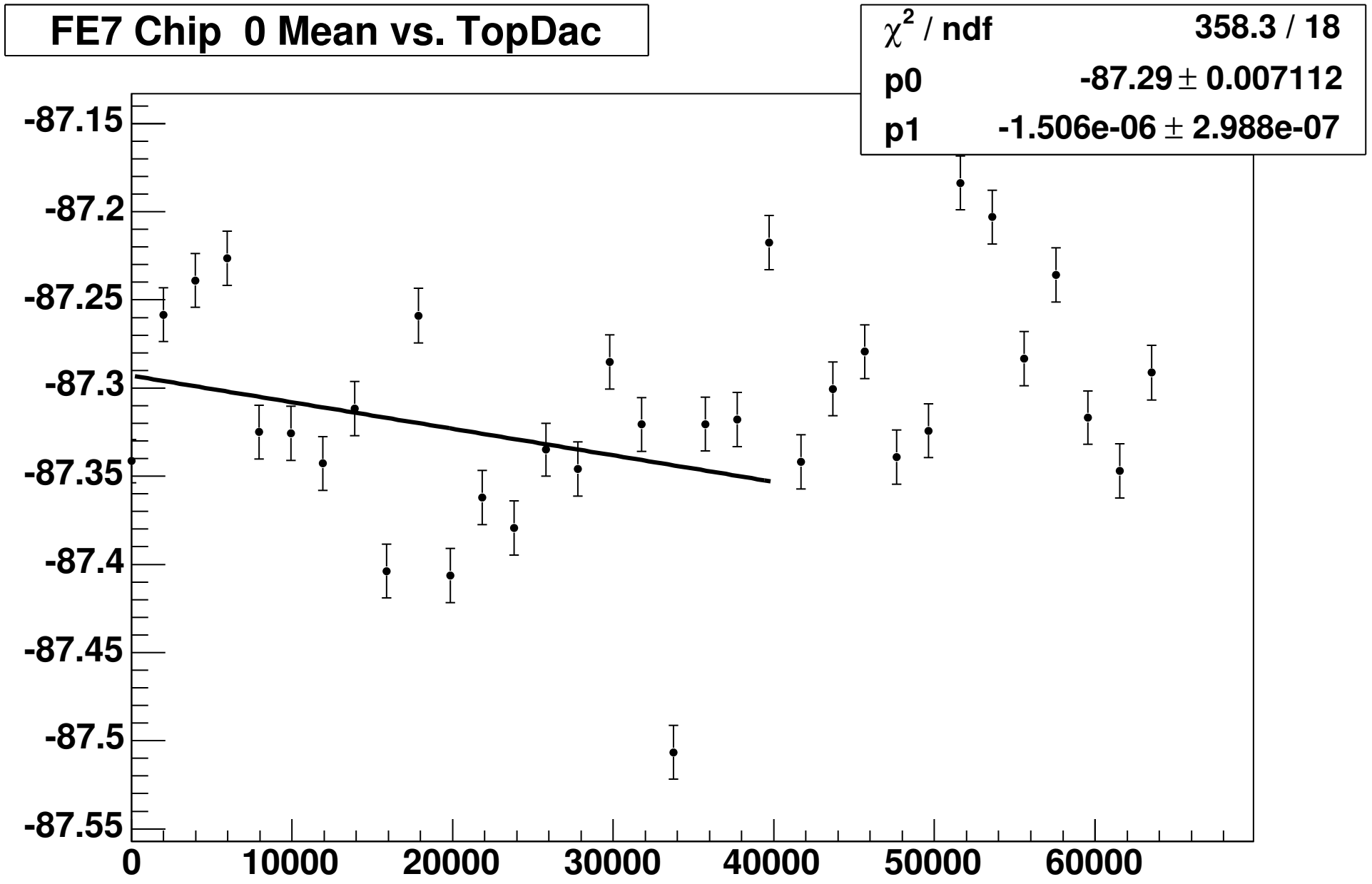
FE7 Chip 0 Mean vs. TopDac
χ² / ndf 358.3 / 18
p0 -87.29 ± 0.007112
p1 -1.506e-06 ± 2.988e-07
-87.15
-87.2
-87.25
-87.3
-87.35
-87.4
-87.45
-87.5
-87.55
0
10000
20000
30000
40000
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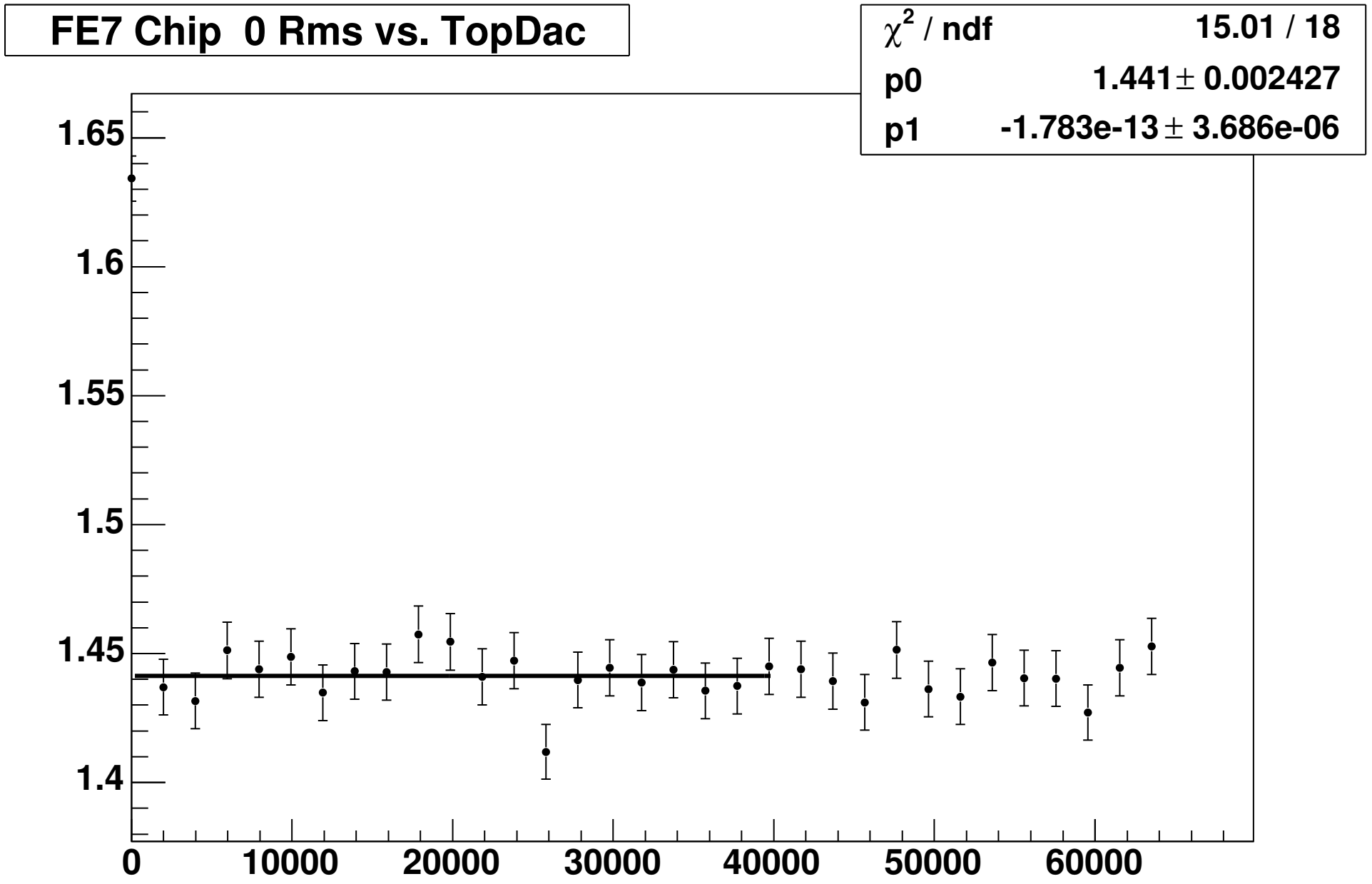
60000


FE7 Chip 0 Rms vs. TopDac
χ² / ndf 15.01 / 18
p0 1.441 ± 0.002427
p1 -1.783e-13 ± 3.686e-06
1.65
1.6
1.55
1.5
1.45
1.4
0
10000
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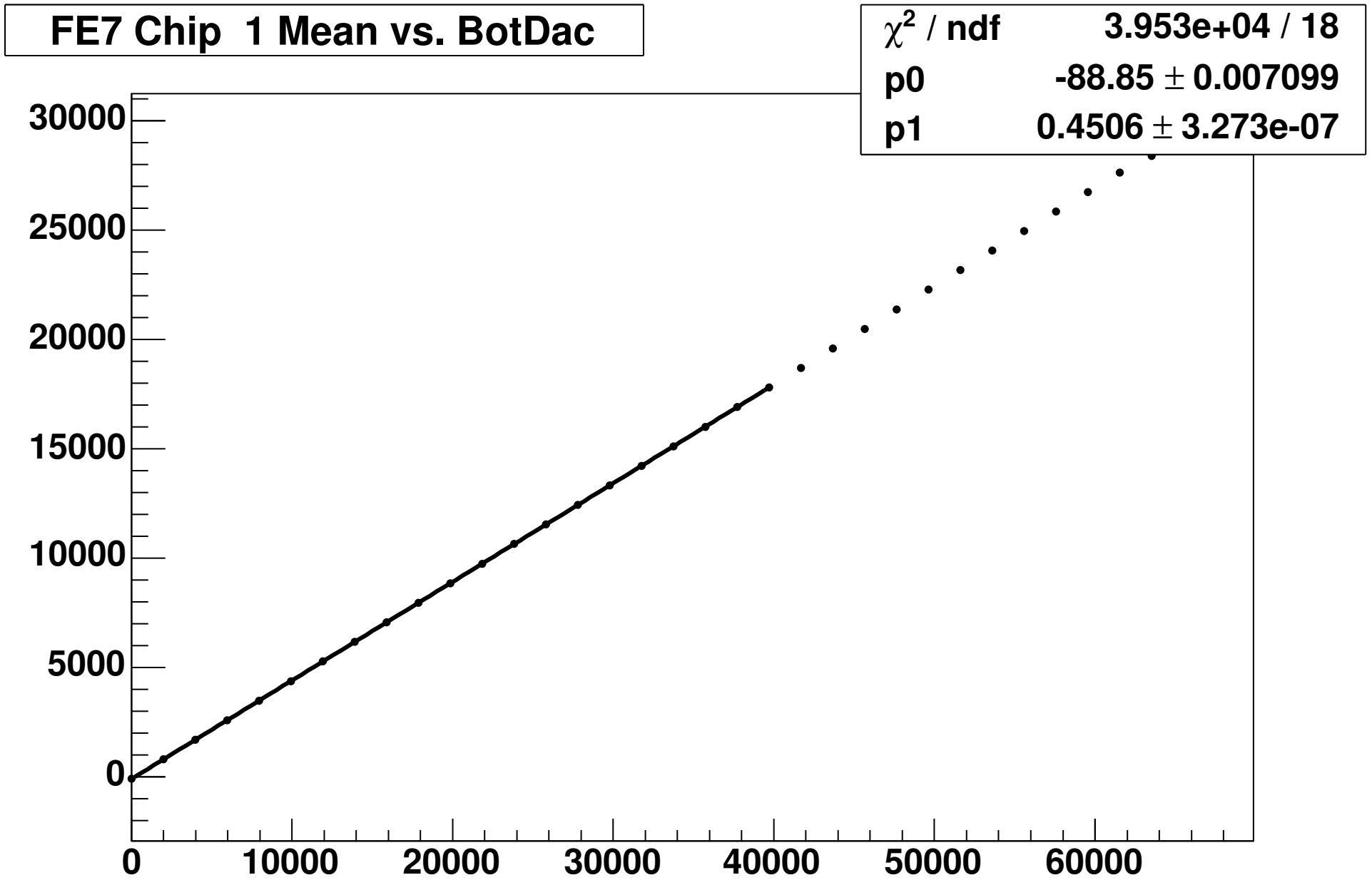
60000


FE7 Chip 1 Mean vs. BotDac
χ² / ndf 3.953e+04 / 18
p0 -88.85 ± 0.007099
p1 0.4506 ± 3.273e-07
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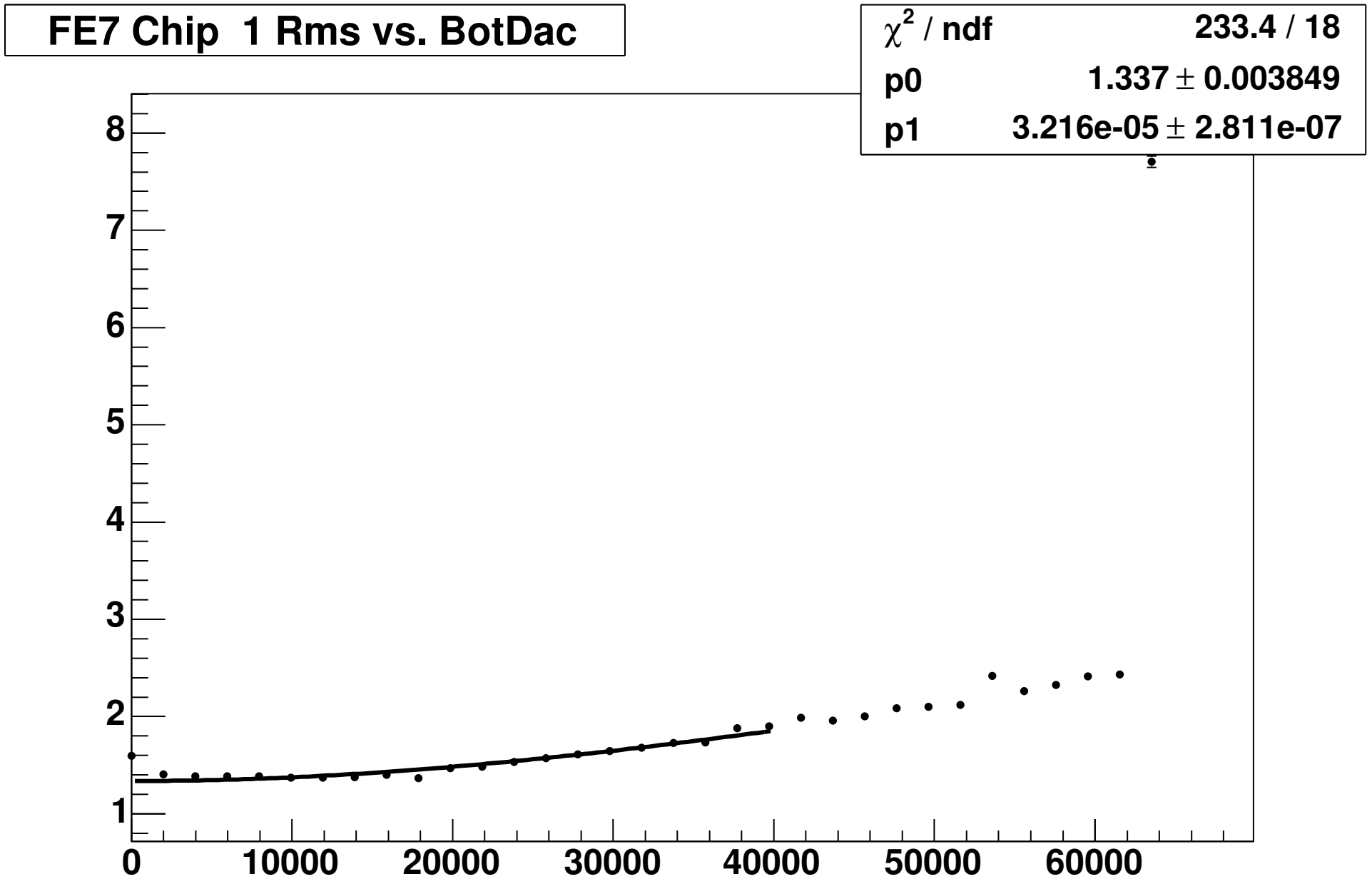
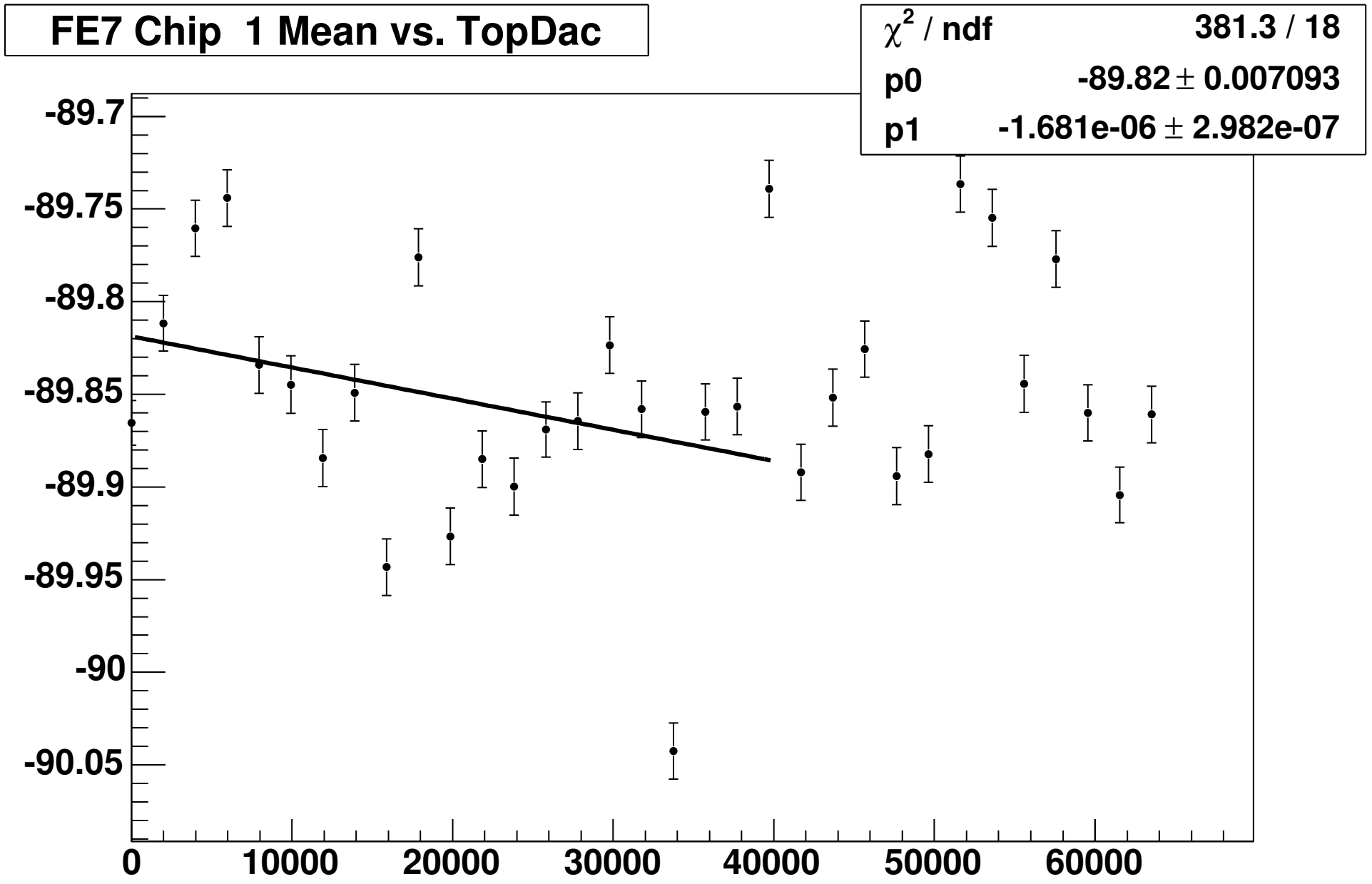
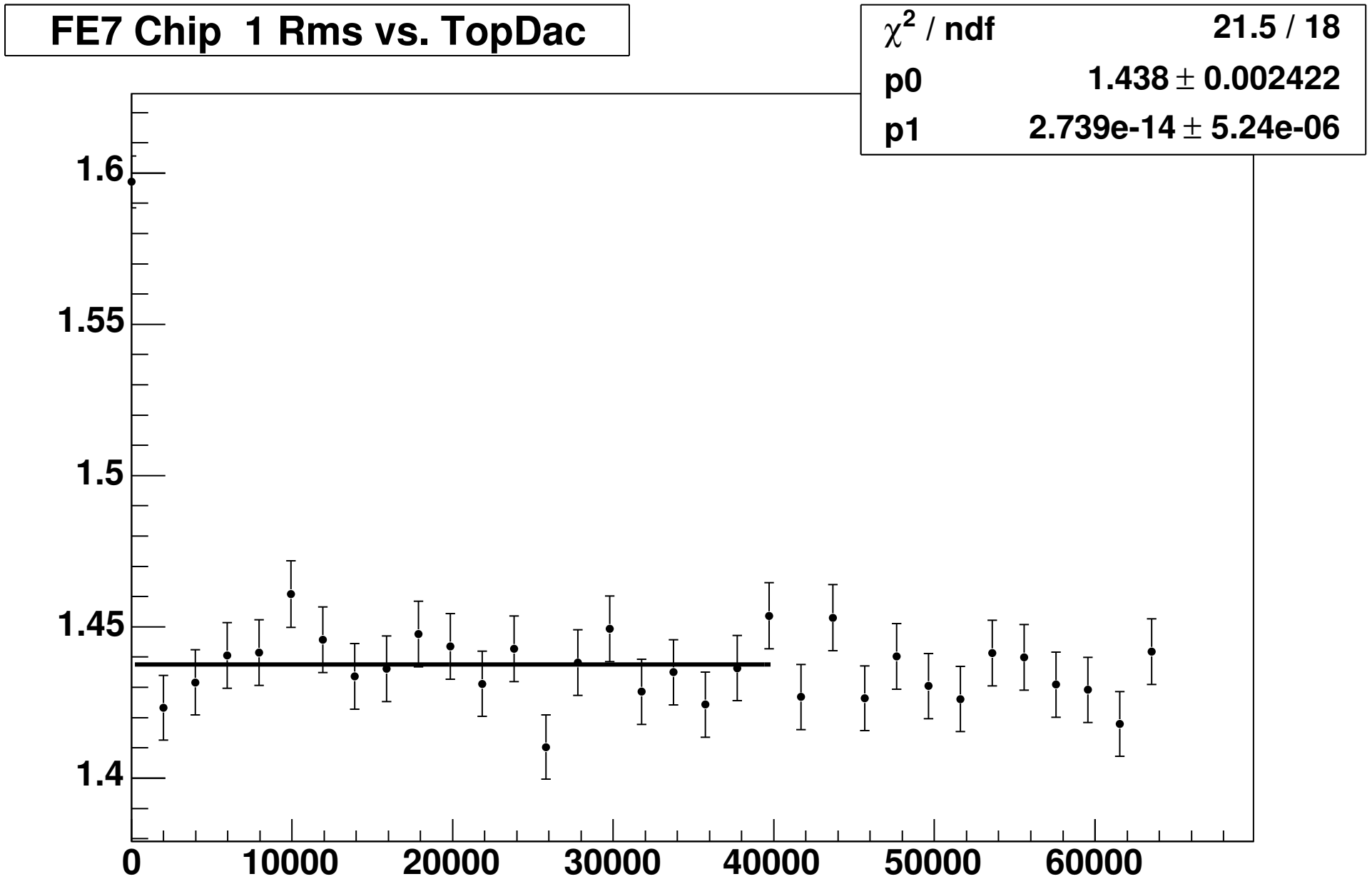
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Rms vs. BotDac
χ² / ndf 233.4 / 18
p0 1.337 ± 0.003849
p1 3.216e-05 ± 2.811e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Mean vs. TopDac
χ² / ndf 381.3 / 18
p0 -89.82 ± 0.007093
p1 -1.681e-06 ± 2.982e-07
-89.7
-89.75
-89.8
-89.85
-89.9
-89.95
-90
-90.05
0
10000
20000
30000
40000
50000
60000


FE7 Chip 1 Rms vs. TopDac
χ² / ndf 21.5 / 18
p0 1.438 ± 0.002422
p1 2.739e-14 ± 5.24e-06
1.6
1.55
1.5
1.45
1.4
0
10000
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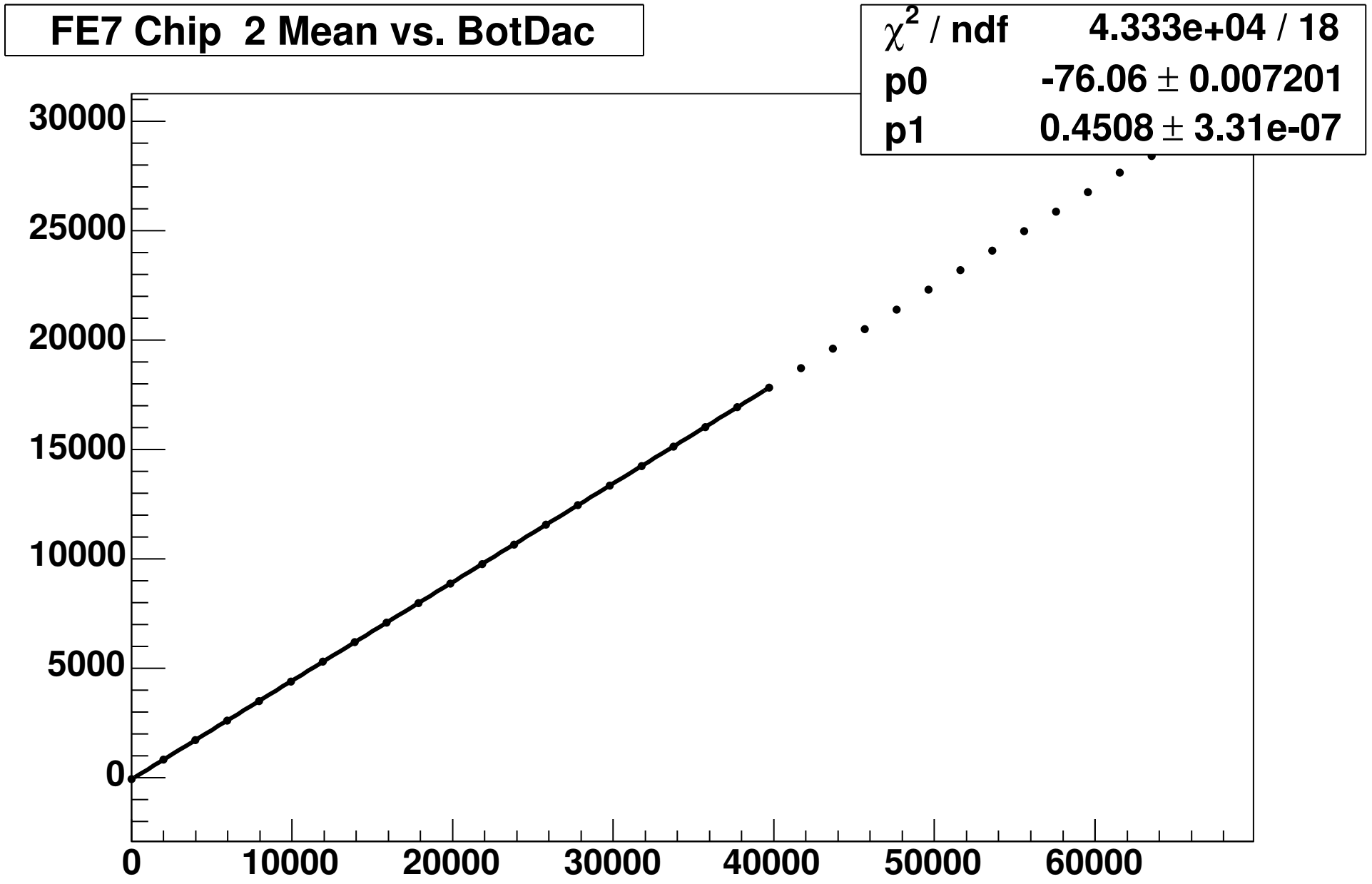
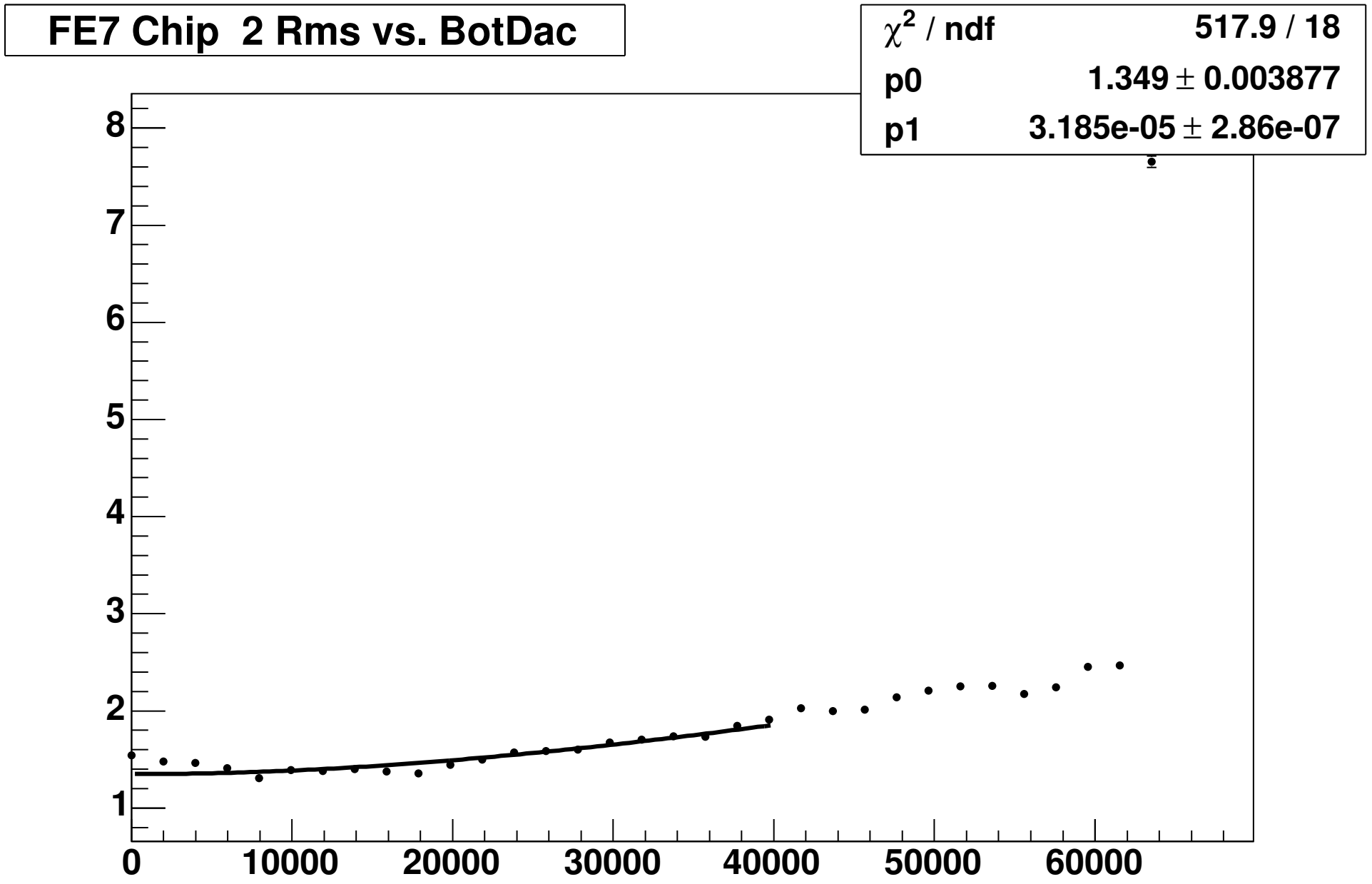
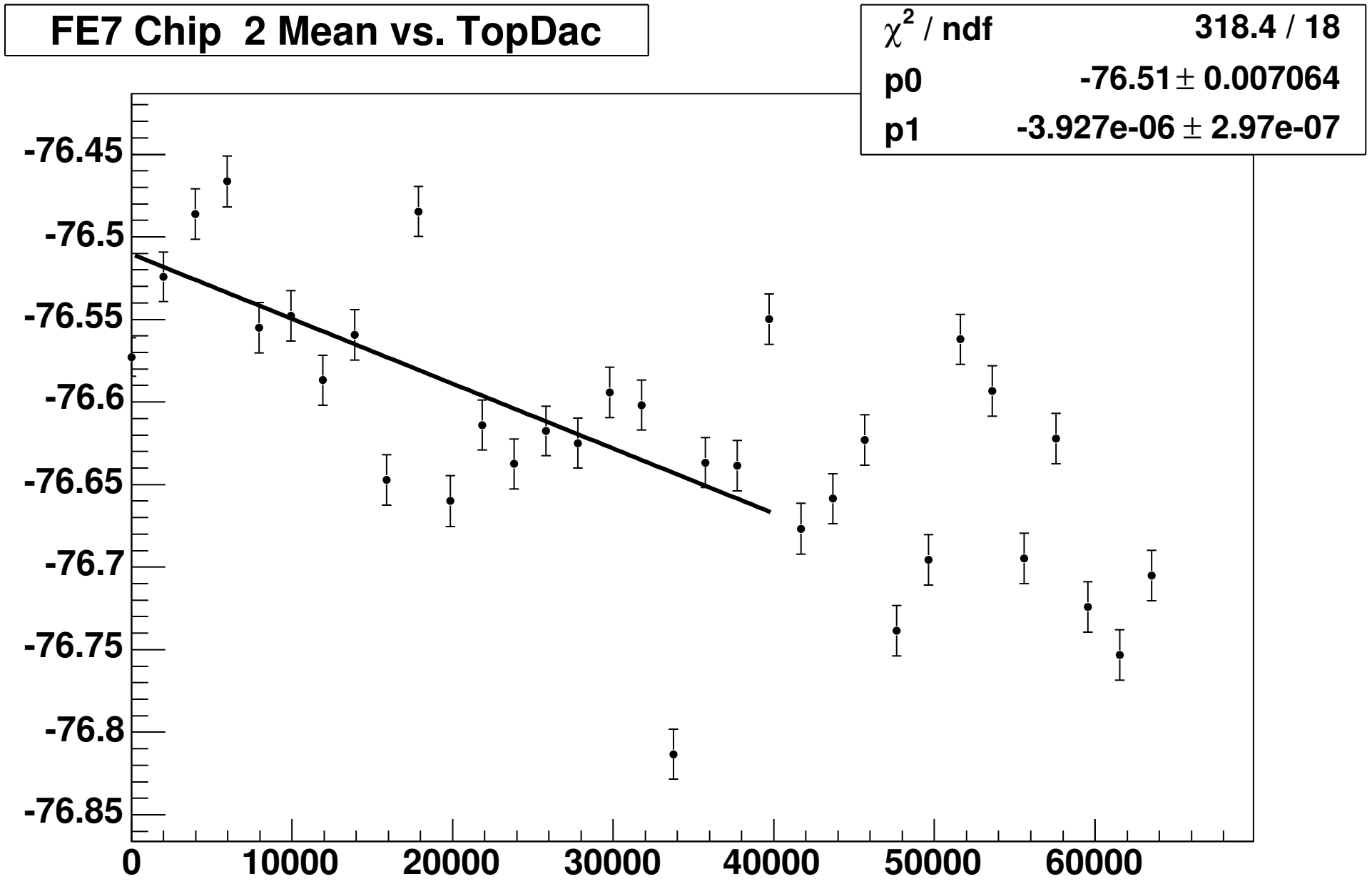
30000
40000
50000
60000


FE7 Chip 2 Mean vs. BotDac
χ² / ndf 4.333e+04 / 18
p0 -76.06 ± 0.007201
p1 0.4508 ± 3.31e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Rms vs. BotDac
χ² / ndf 517.9 / 18
p0 1.349 ± 0.003877
p1 3.185e-05 ± 2.86e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000


FE7 Chip 2 Mean vs. TopDac
χ² / ndf 318.4 / 18
p0 -76.51 ± 0.007064
p1 -3.927e-06 ± 2.97e-07
-76.45
-76.5
-76.55
-76.6
-76.65
-76.7
-76.75
-76.8
-76.85
0
10000
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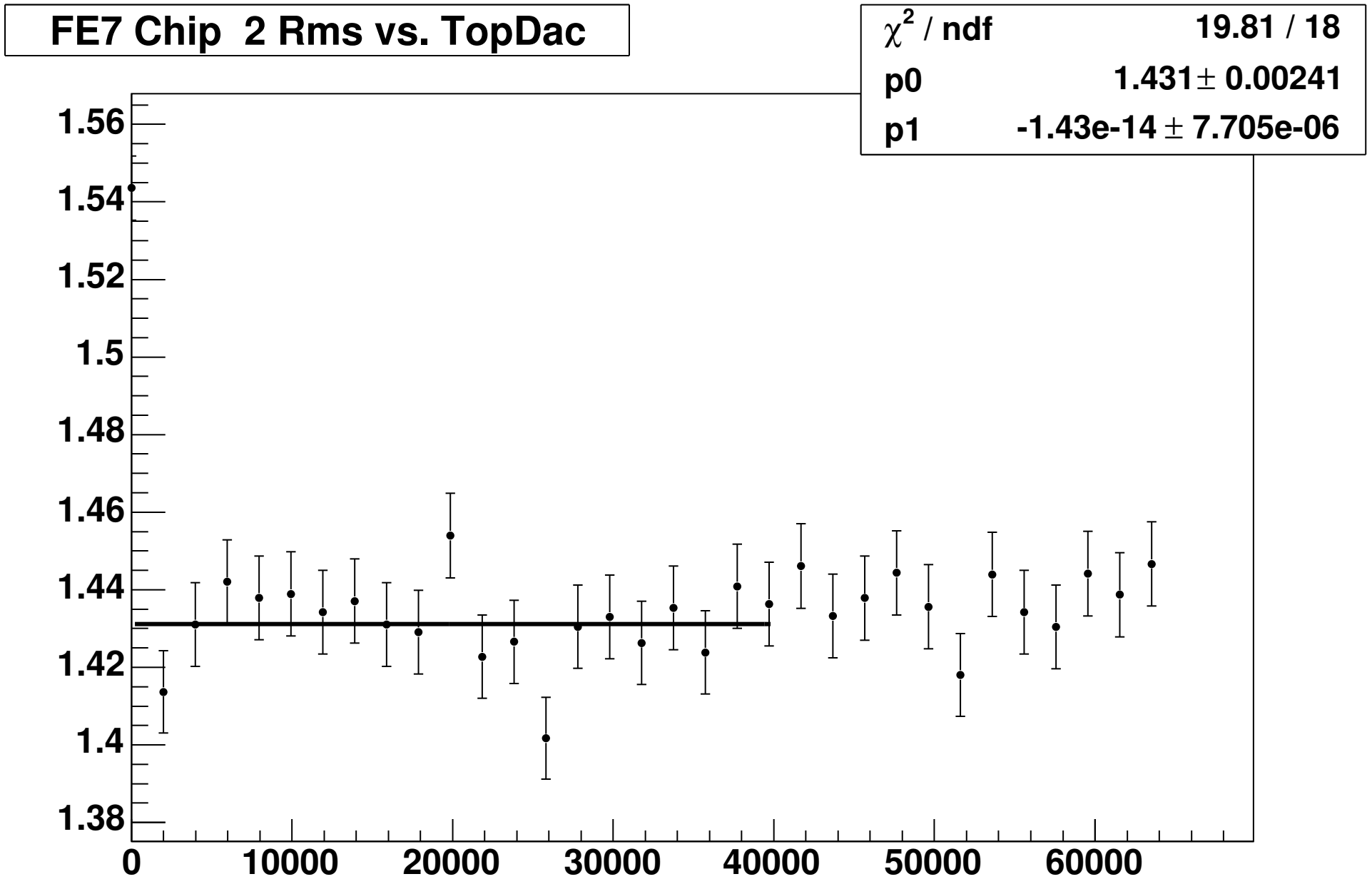
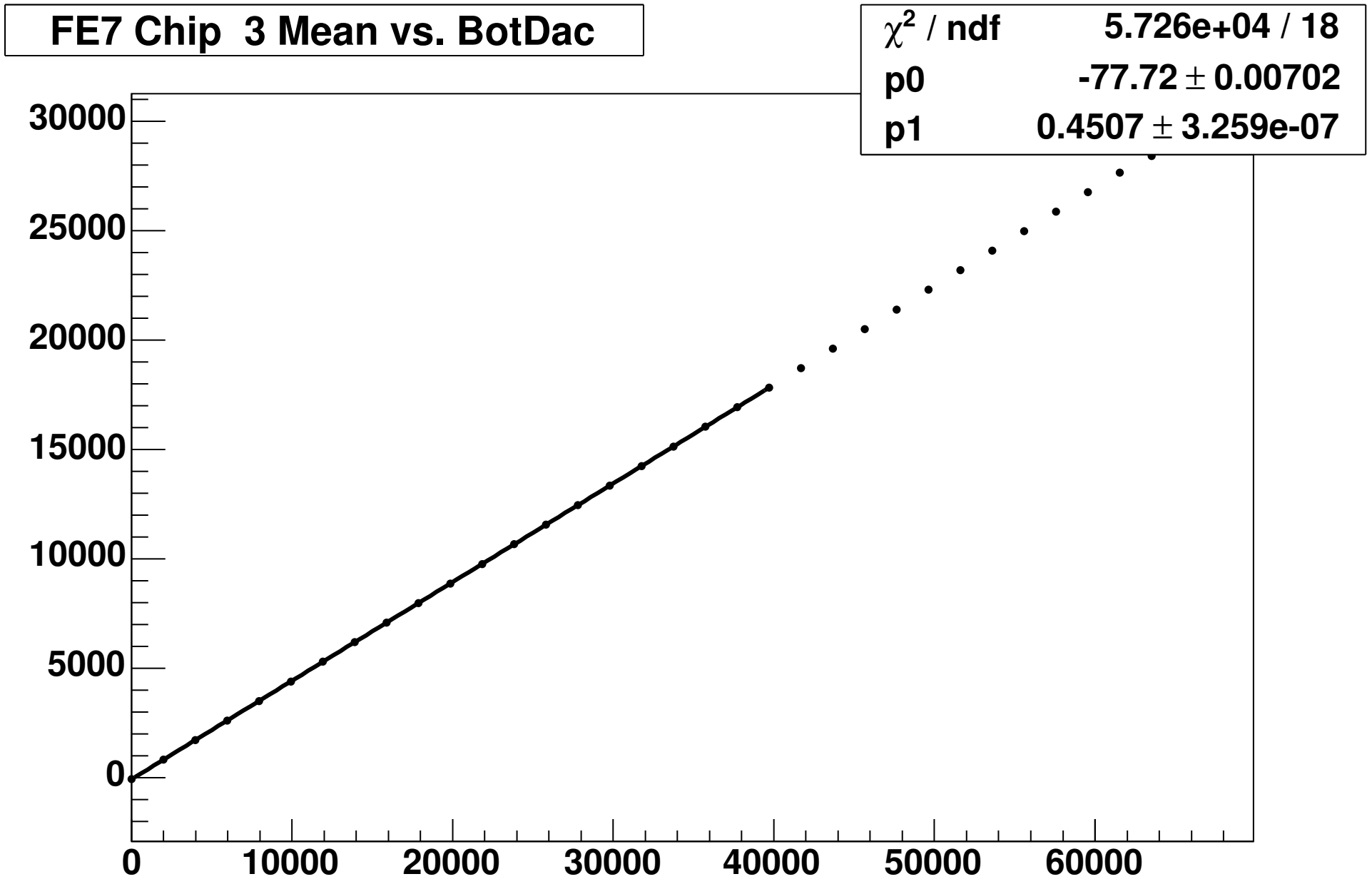
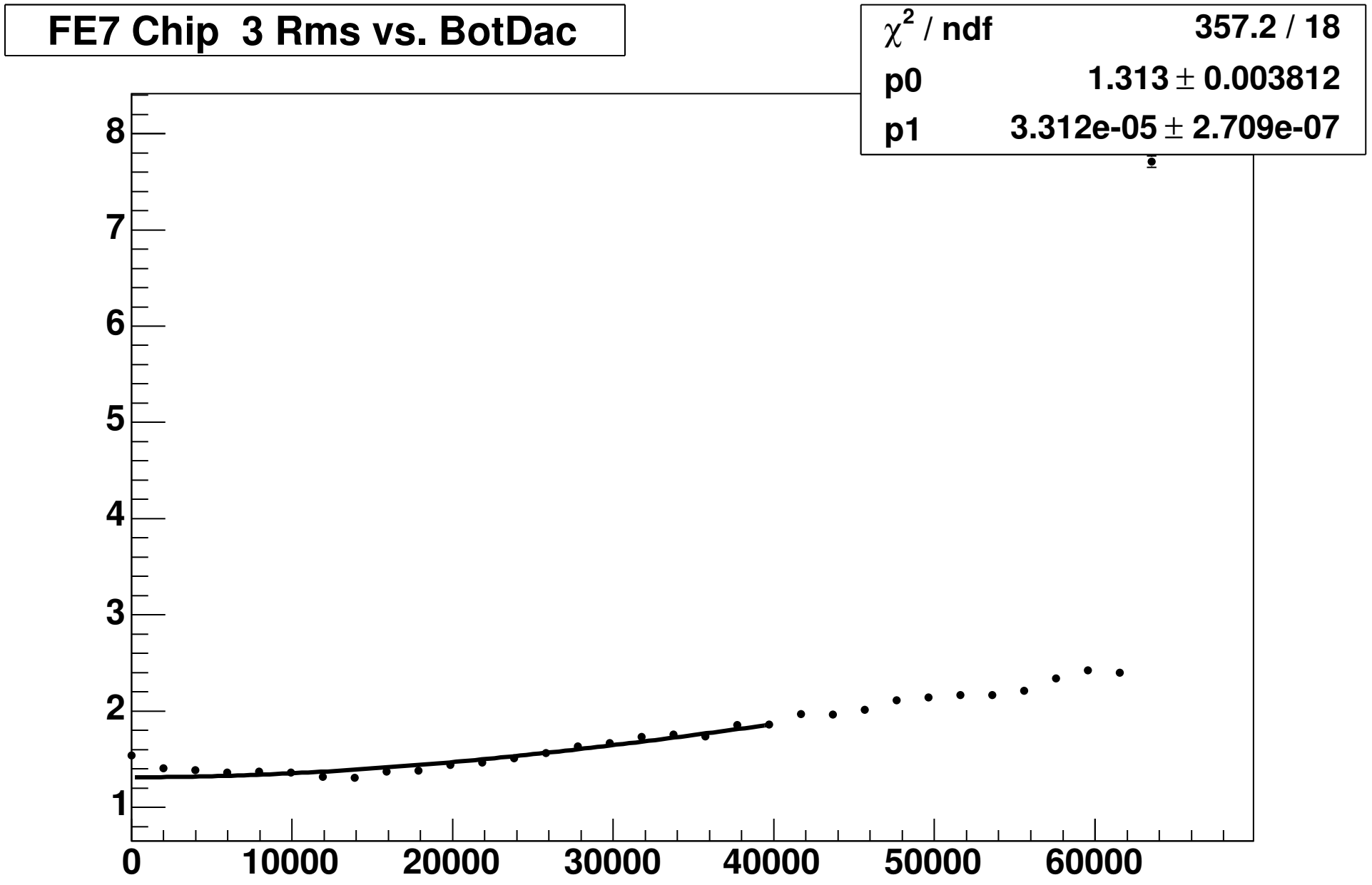
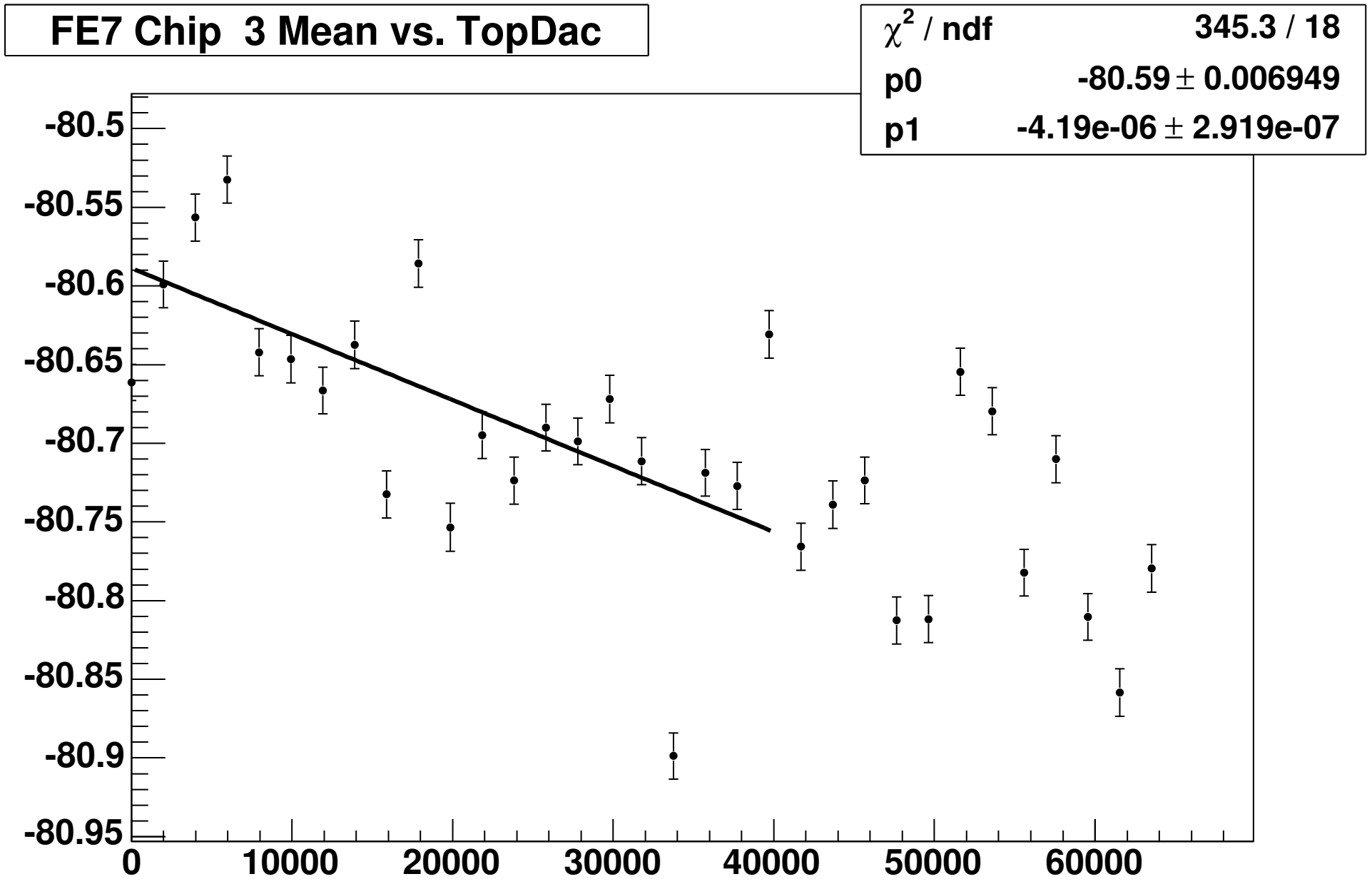
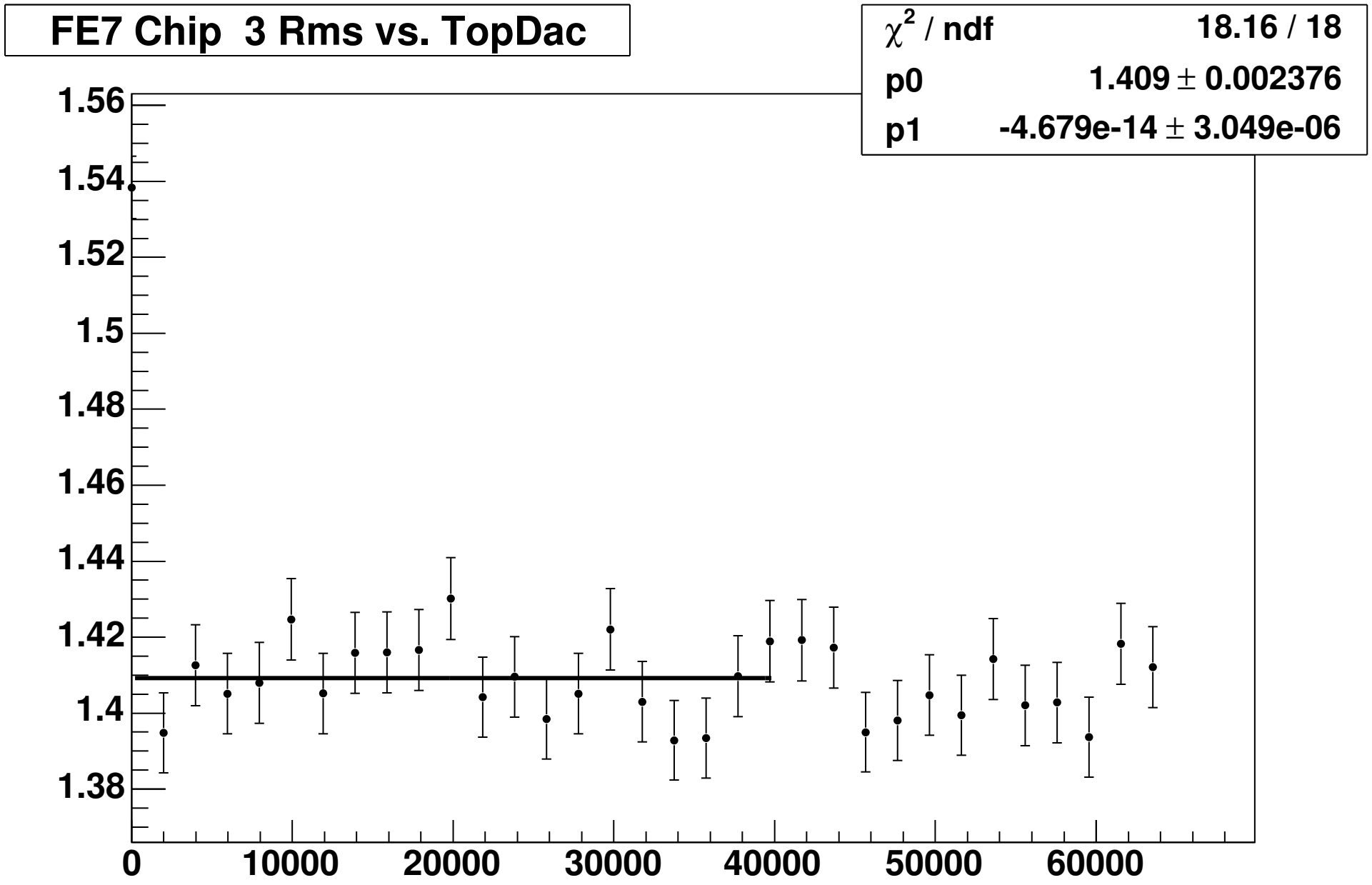
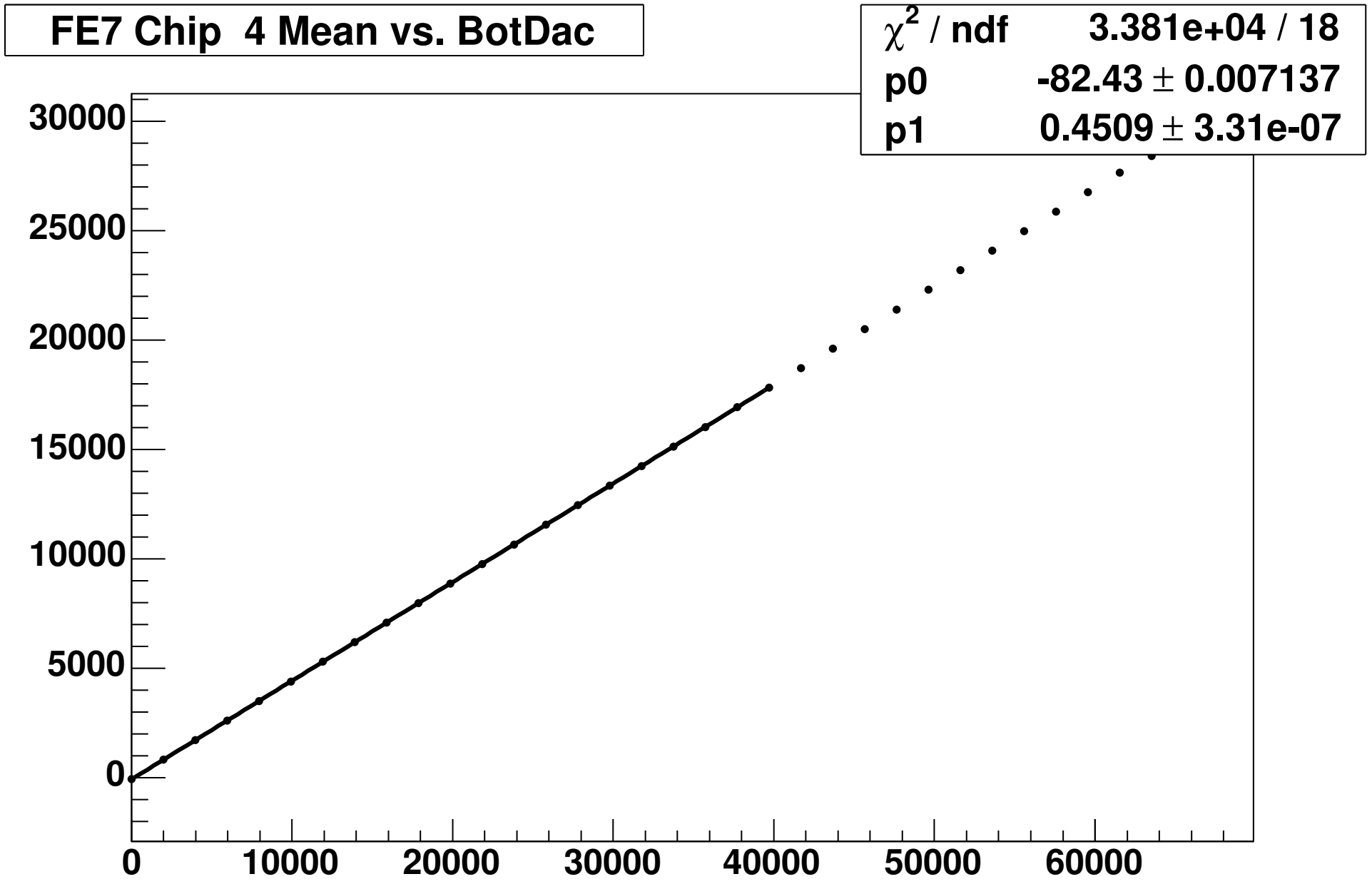

FE7 Chip 2 Rms vs. TopDac
χ² / ndf 19.81 / 18
p0 1.431 ± 0.00241
p1 -1.43e-14 ± 7.705e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

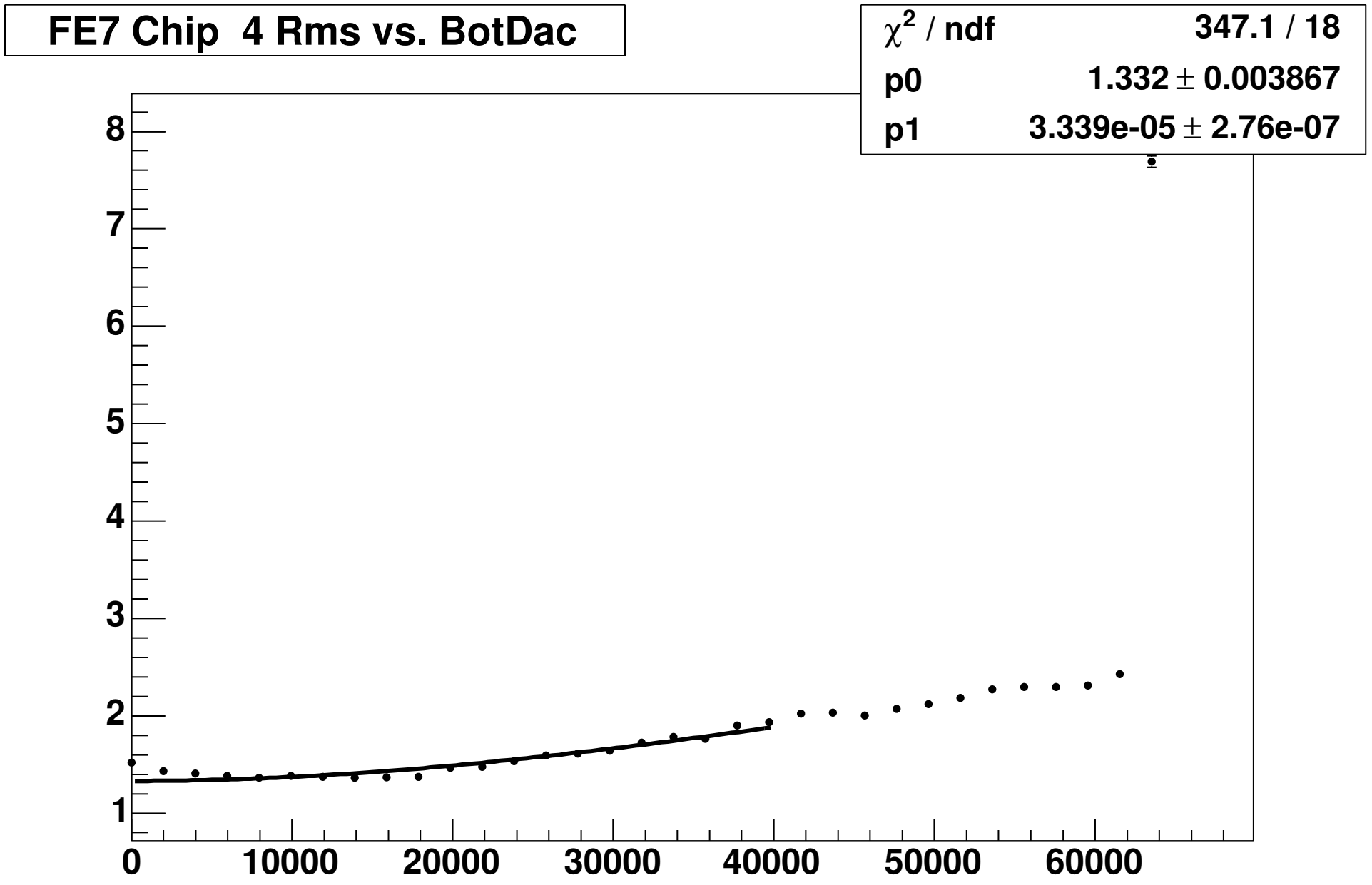

FE7 Chip 3 Mean vs. BotDac
χ² / ndf 5.726e+04 / 18
p0 -77.72 ± 0.00702
p1 0.4507 ± 3.259e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

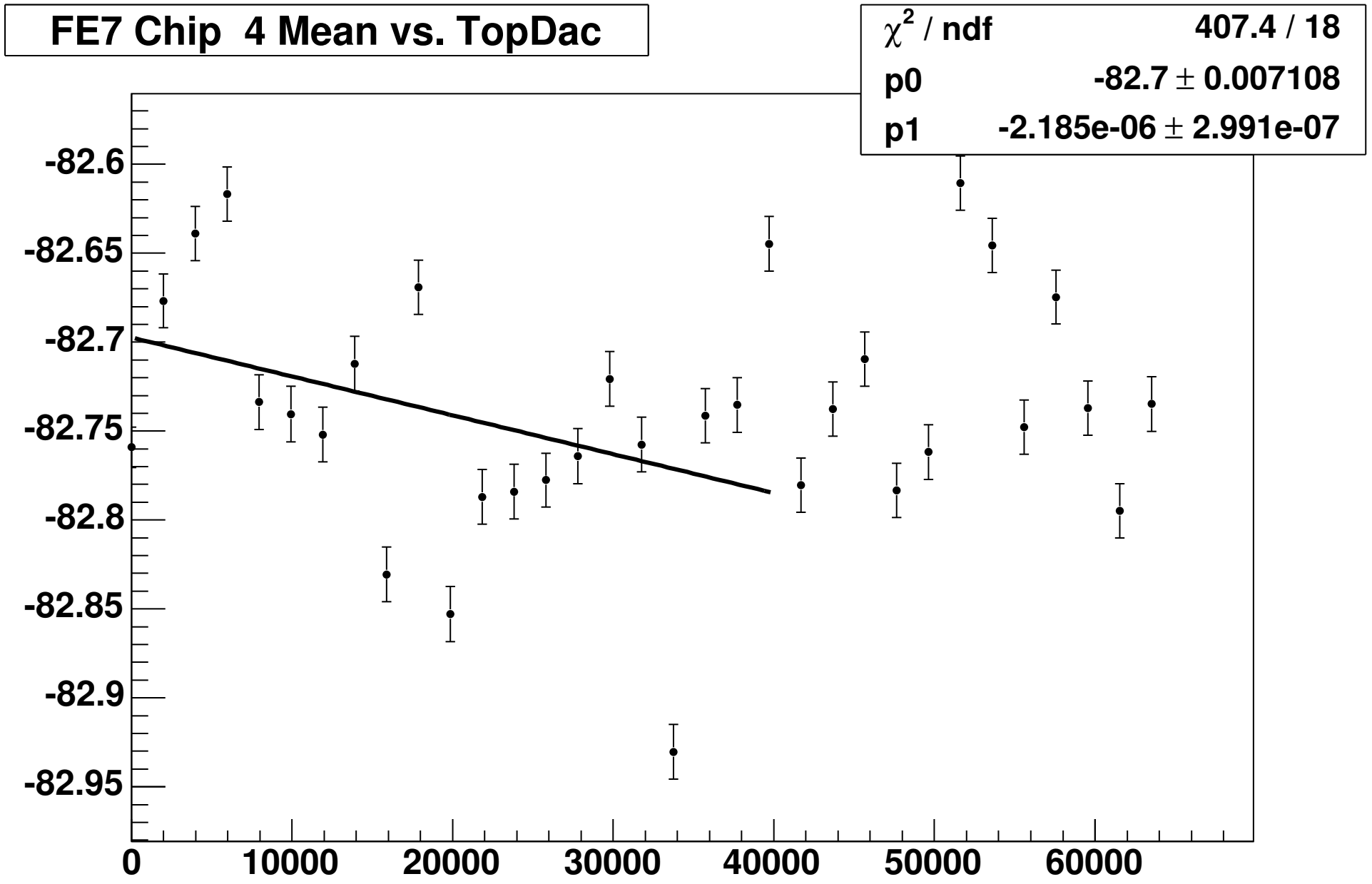

FE7 Chip 3 Rms vs. BotDac
χ² / ndf 357.2 / 18
p0 1.313 ± 0.003812
p1 3.312e-05 ± 2.709e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

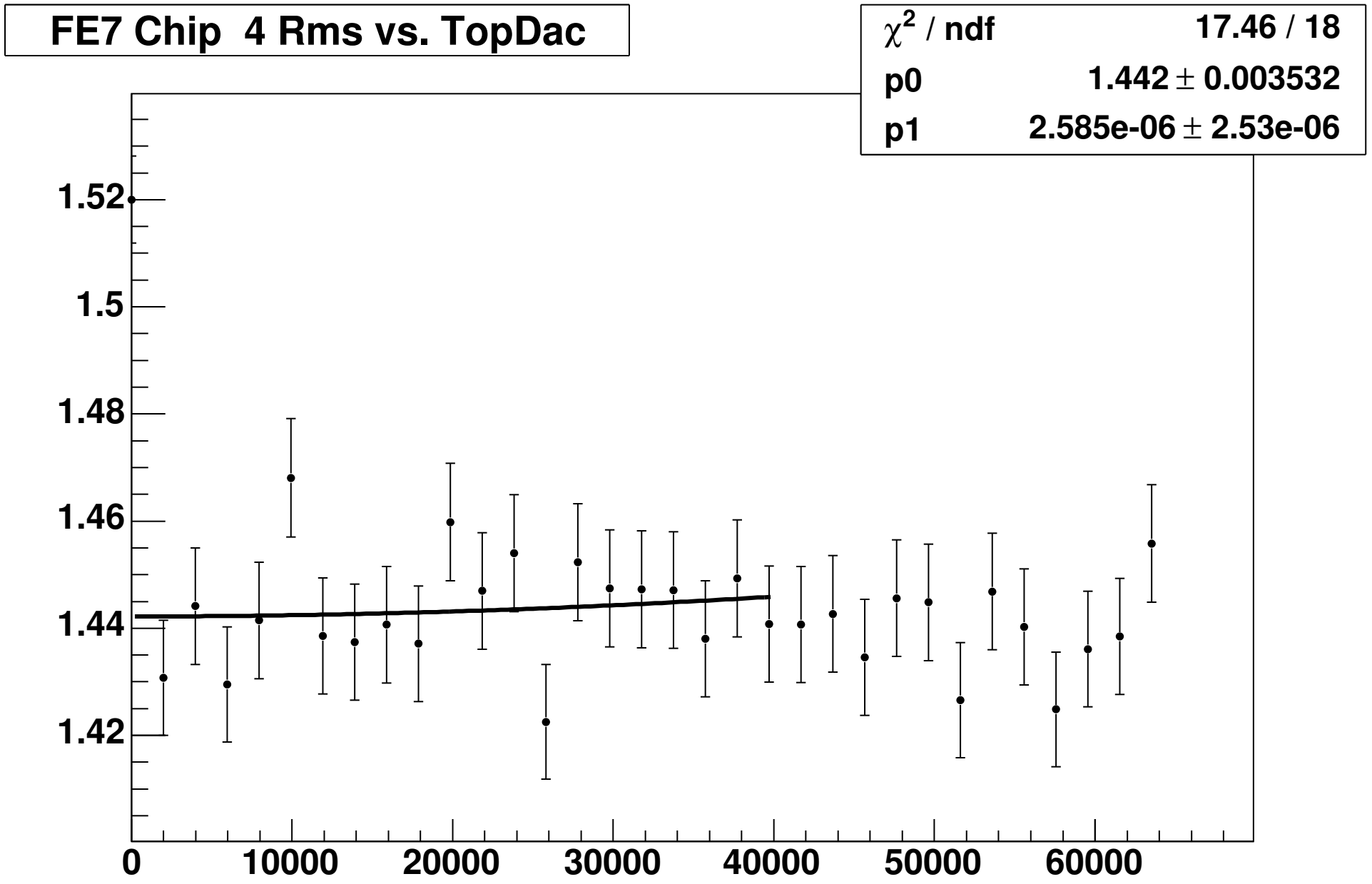

FE7 Chip 3 Mean vs. TopDac
χ² / ndf 345.3 / 18
p0 -80.59 ± 0.006949
p1 -4.19e-06 ± 2.919e-07
-80.5
-80.55
-80.6
-80.65
-80.7
-80.75
-80.8
-80.85
-80.9
-80.95
0
10000
20000
30000
40000
50000
60000

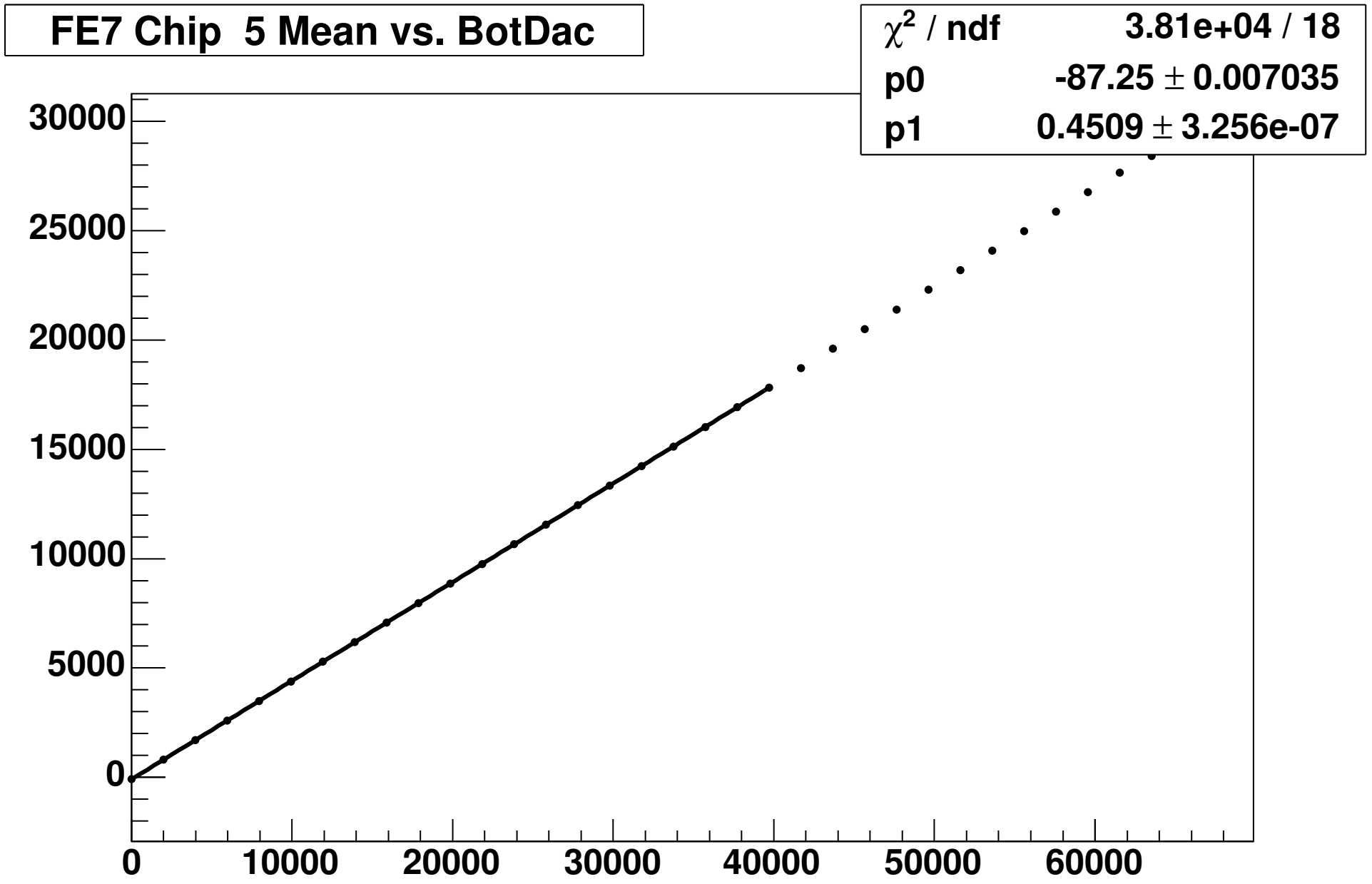

FE7 Chip 3 Rms vs. TopDac
χ² / ndf 18.16 / 18
p0 1.409 ± 0.002376
p1 -4.679e-14 ± 3.049e-06
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
1.38
0
10000
20000
30000
40000
50000
60000

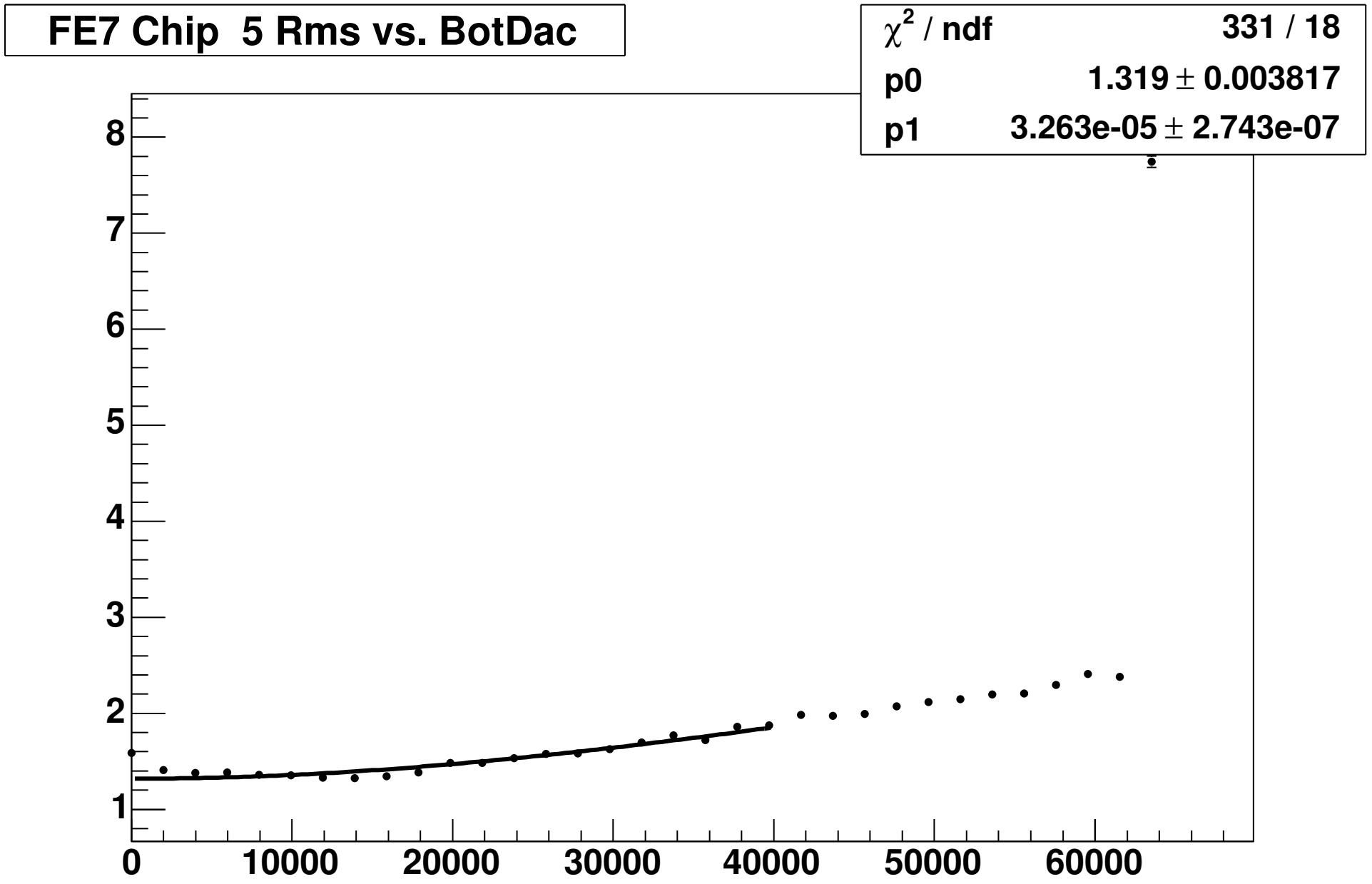

FE7 Chip 4 Mean vs. BotDac
χ² / ndf 3.381e+04 / 18
p0 -82.43 ± 0.007137
p1 0.4509 ± 3.31e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

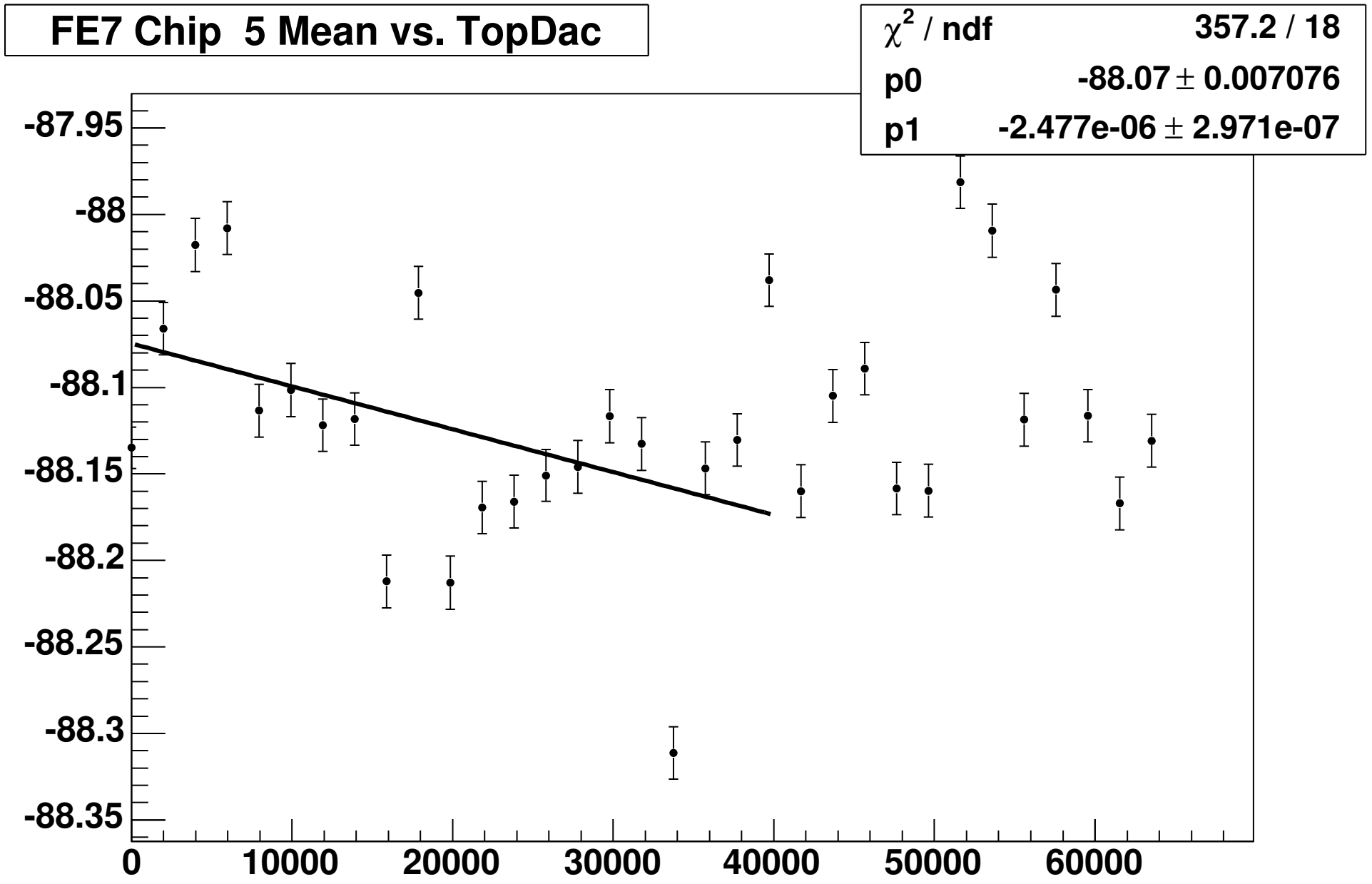

FE7 Chip 4 Rms vs. BotDac
χ² / ndf 347.1 / 18
p0 1.332 ± 0.003867
p1 3.339e-05 ± 2.76e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

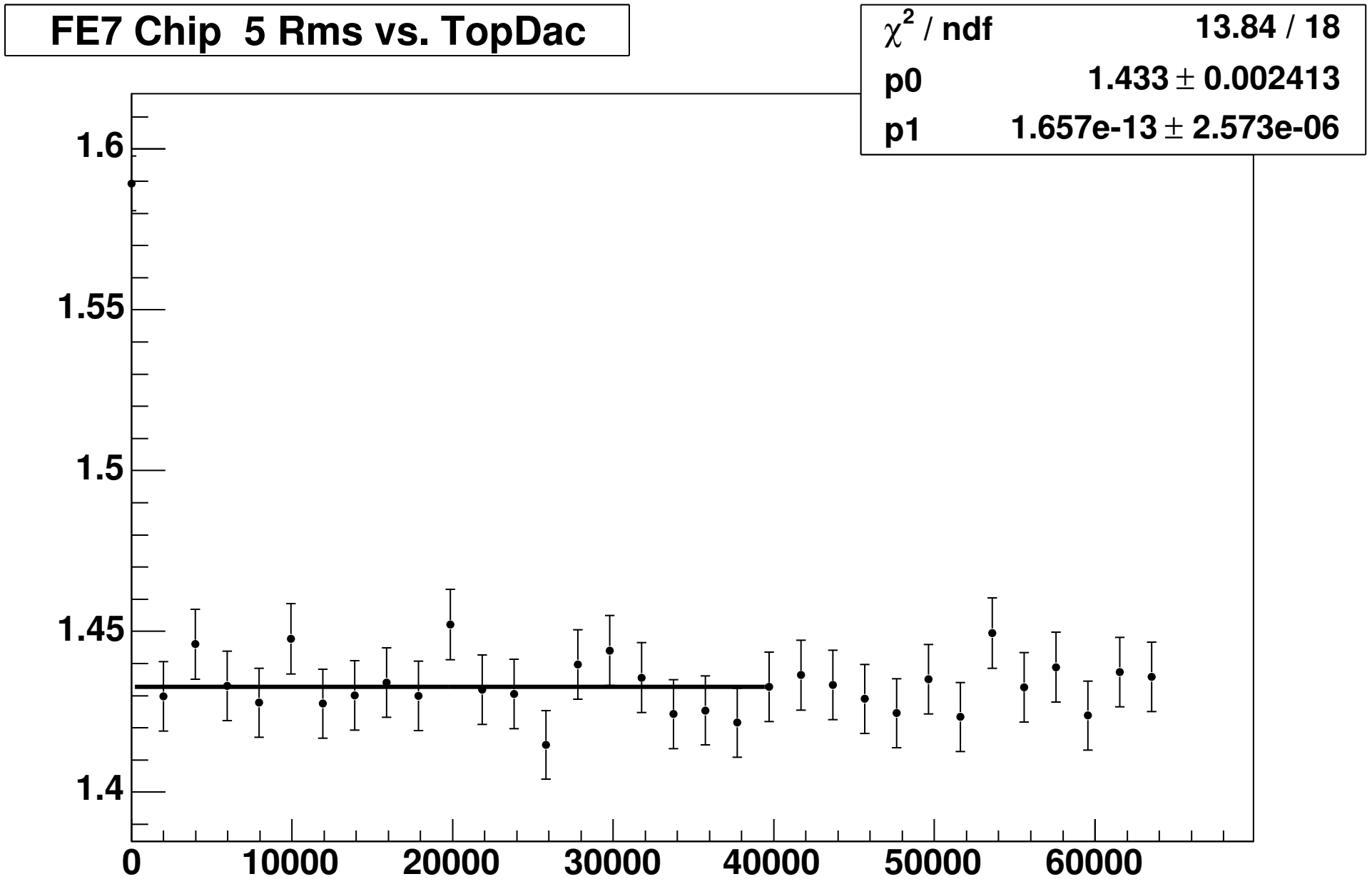

FE7 Chip 4 Mean vs. TopDac
χ² / ndf 407.4 / 18
p0 -82.7 ± 0.007108
p1 -2.185e-06 ± 2.991e-07
-82.6
-82.65
-82.7
-82.75
-82.8
-82.85
-82.9
-82.95
0
10000
20000
30000
40000
50000
60000

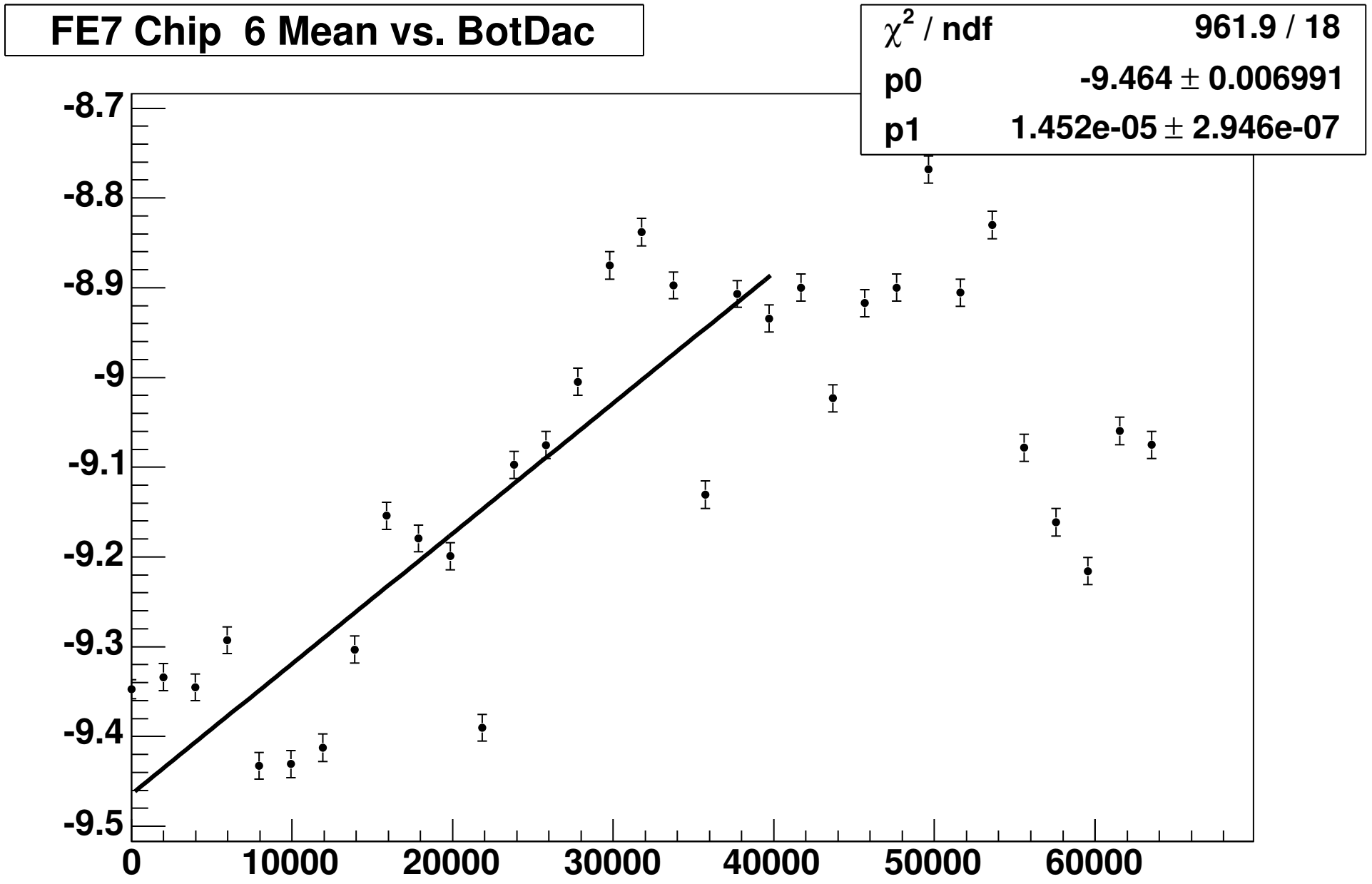

FE7 Chip 4 Rms vs. TopDac
χ² / ndf 17.46 / 18
p0 1.442 ± 0.003532
p1 2.585e-06 ± 2.53e-06
1.52
1.5
1.48
1.46
1.44
1.42
0
10000
20000
30000
40000
50000
60000

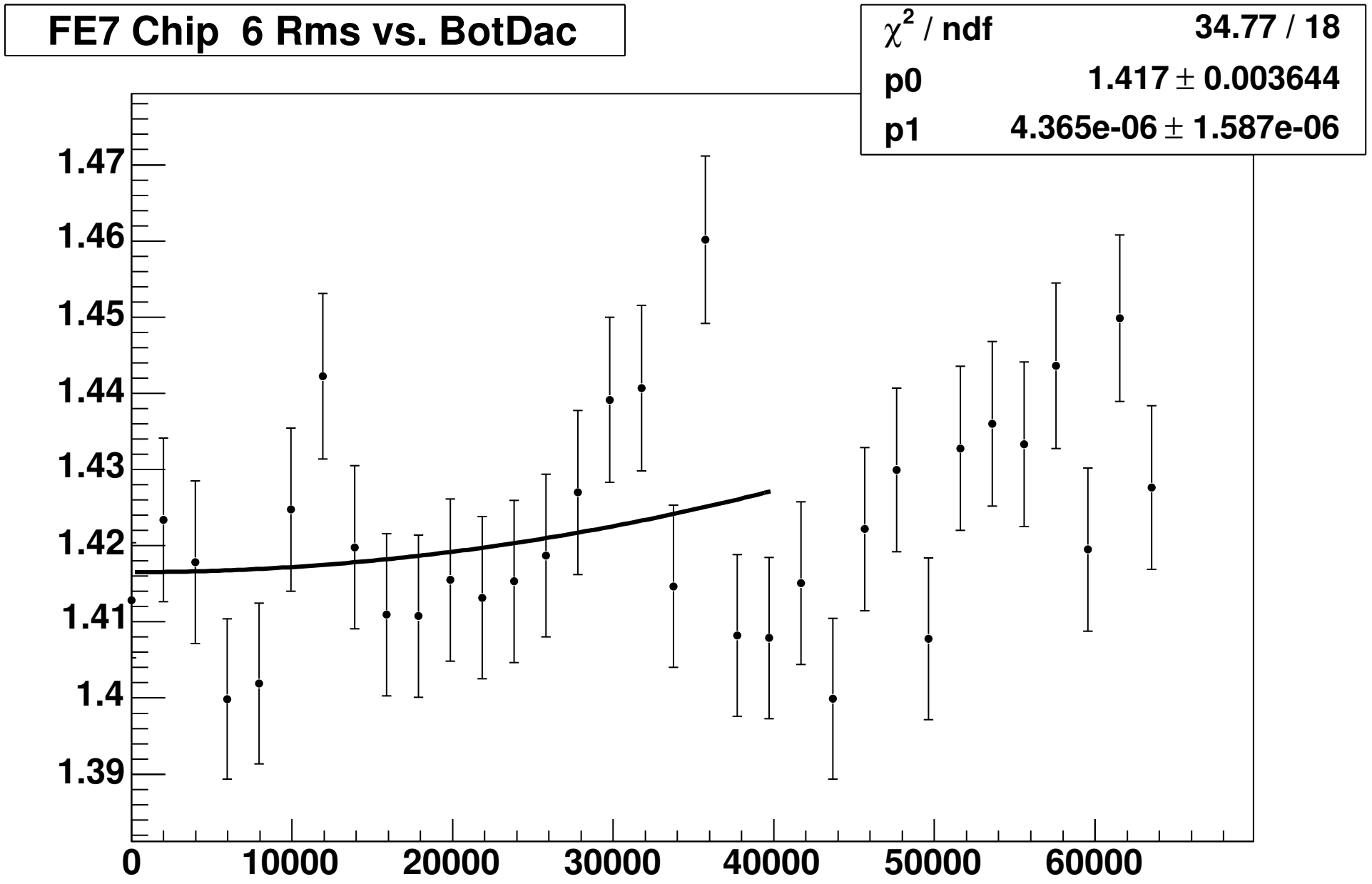

FE7 Chip 5 Mean vs. BotDac
χ² / ndf 3.81e+04 / 18
p0 -87.25 ± 0.007035
p1 0.4509 ± 3.256e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

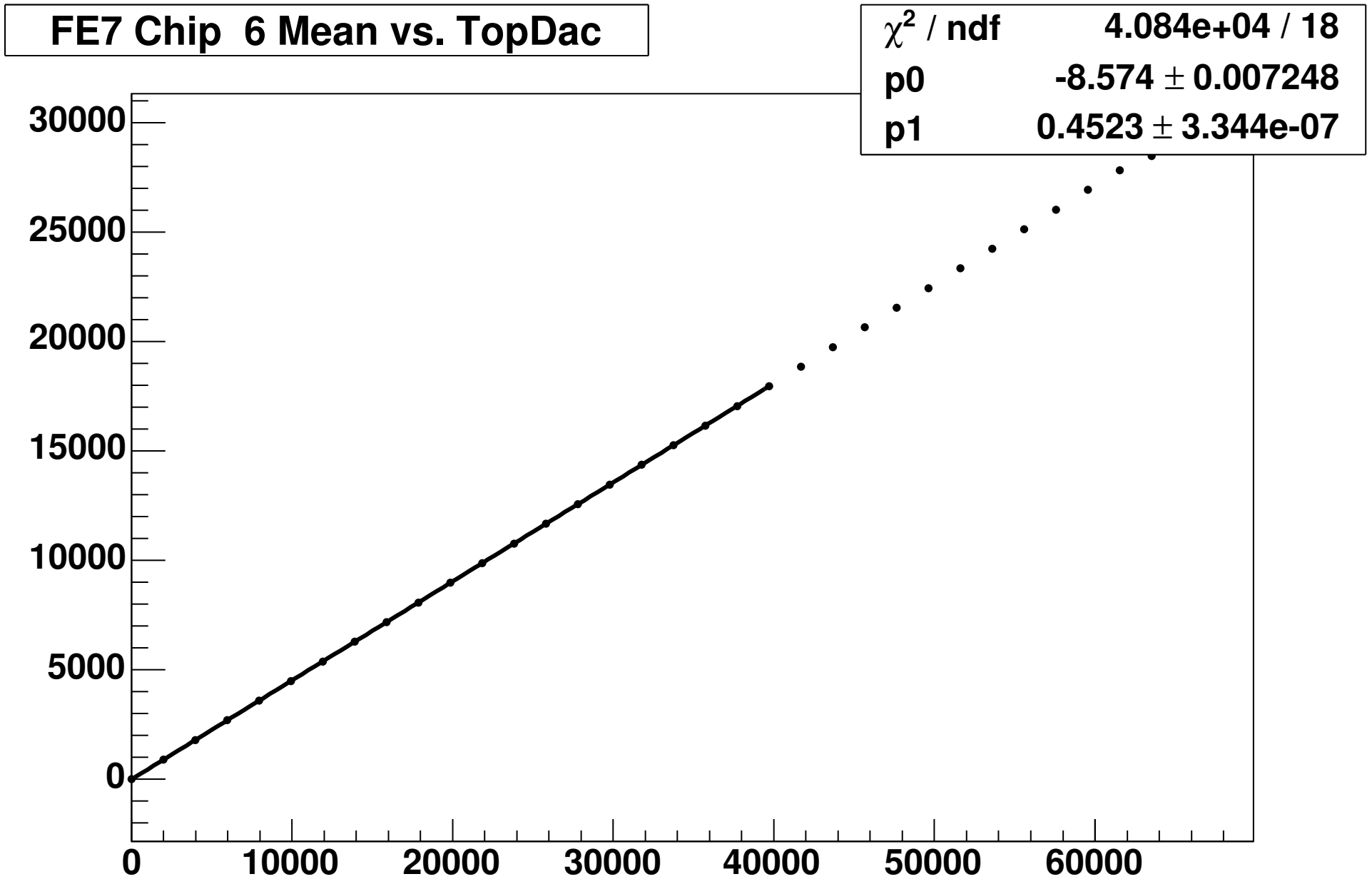

FE7 Chip 5 Rms vs. BotDac
χ² / ndf 331 / 18
p0 1.319 ± 0.003817
p1 3.263e-05 ± 2.743e-07
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

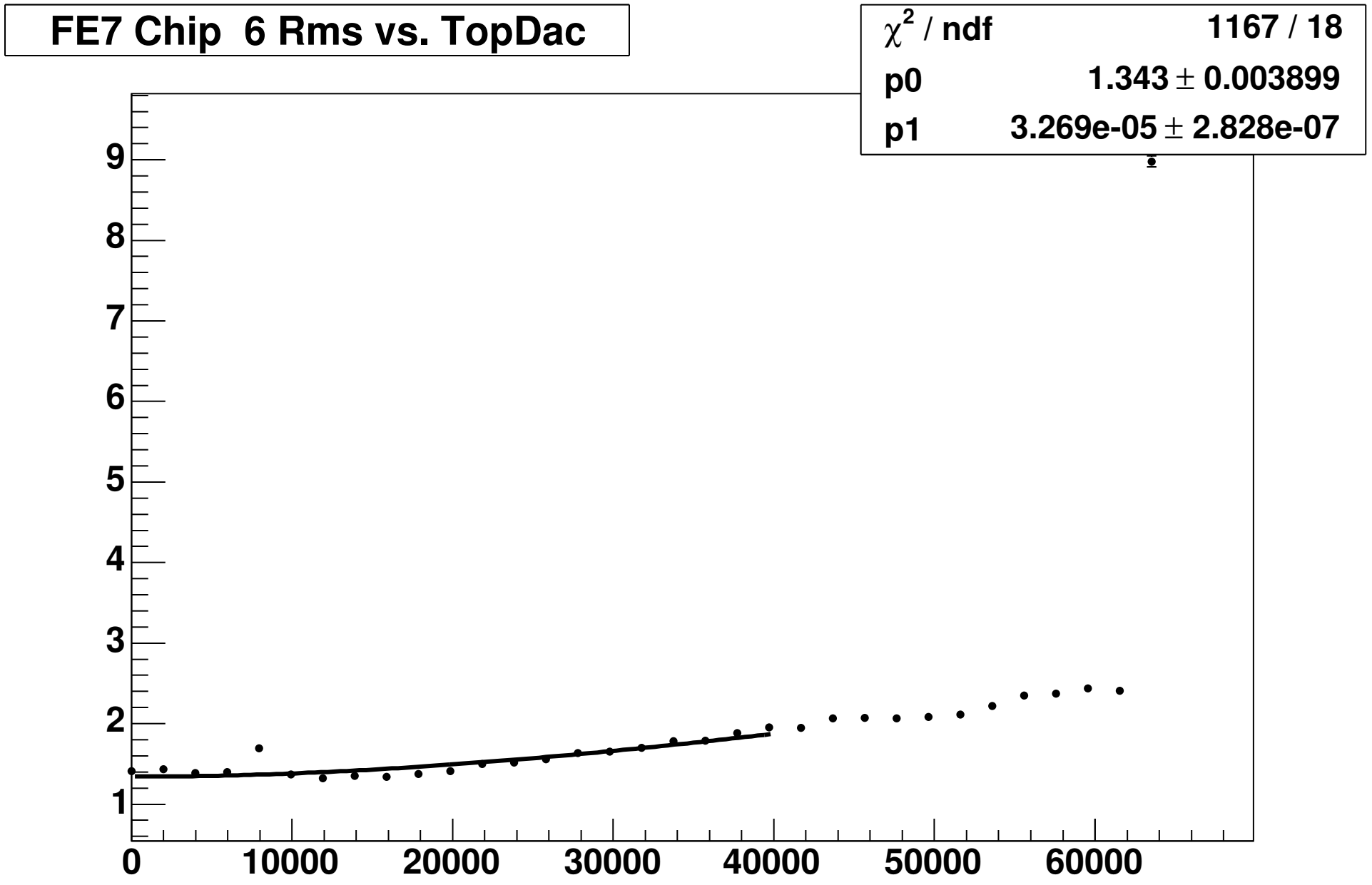

FE7 Chip 5 Mean vs. TopDac
χ² / ndf 357.2 / 18
p0 -88.07 ± 0.007076
p1 -2.477e-06 ± 2.971e-07
-87.95
-88
-88.05
-88.1
-88.15
-88.2
-88.25
-88.3
-88.35
0
10000
20000
30000
40000
50000
60000

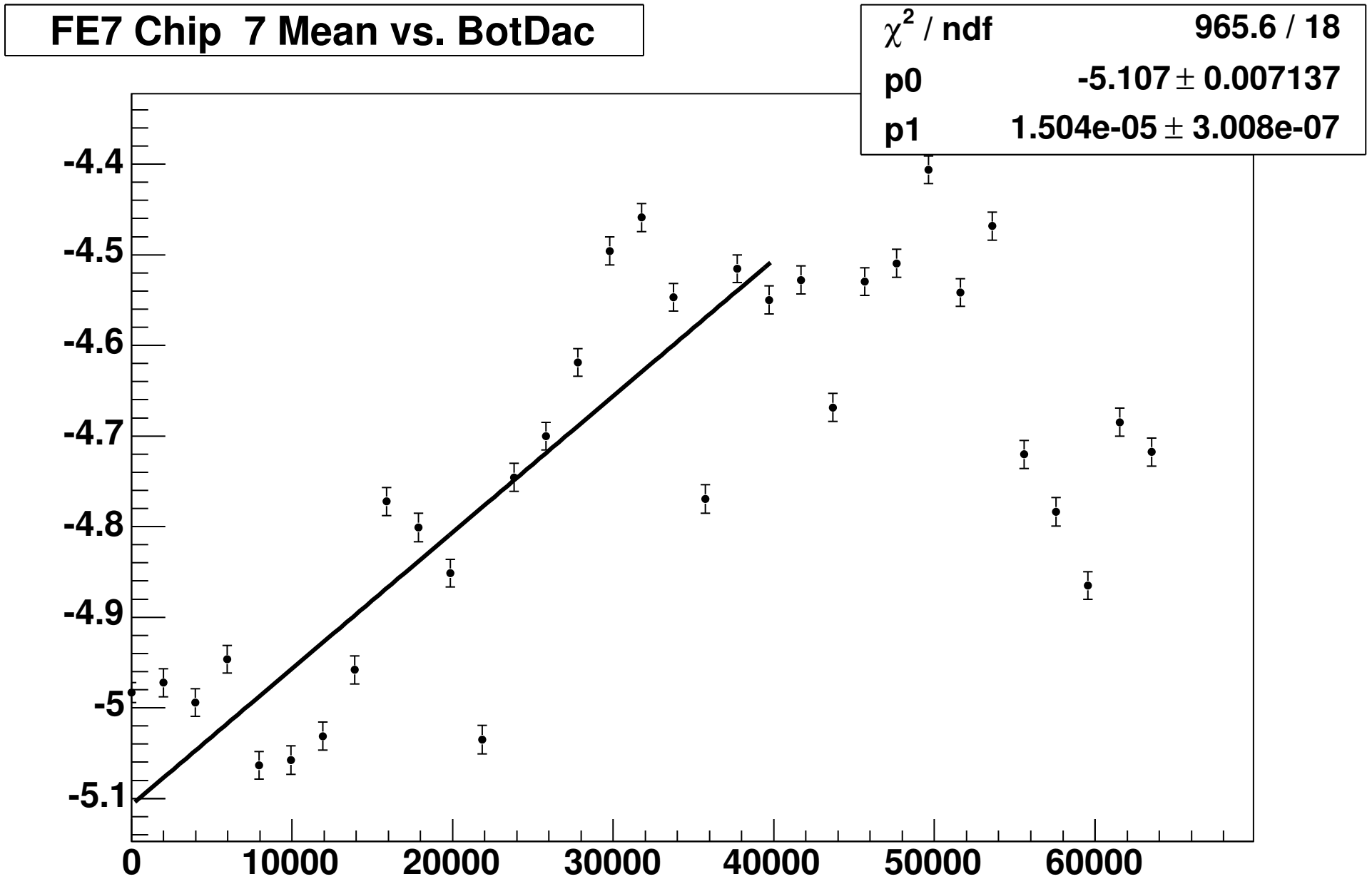

FE7 Chip 5 Rms vs. TopDac
χ² / ndf 13.84 / 18
p0 1.433 ± 0.002413
p1 1.657e-13 ± 2.573e-06
1.6
1.55
1.5
1.45
1.4
0
10000
20000
30000
40000
50000
60000

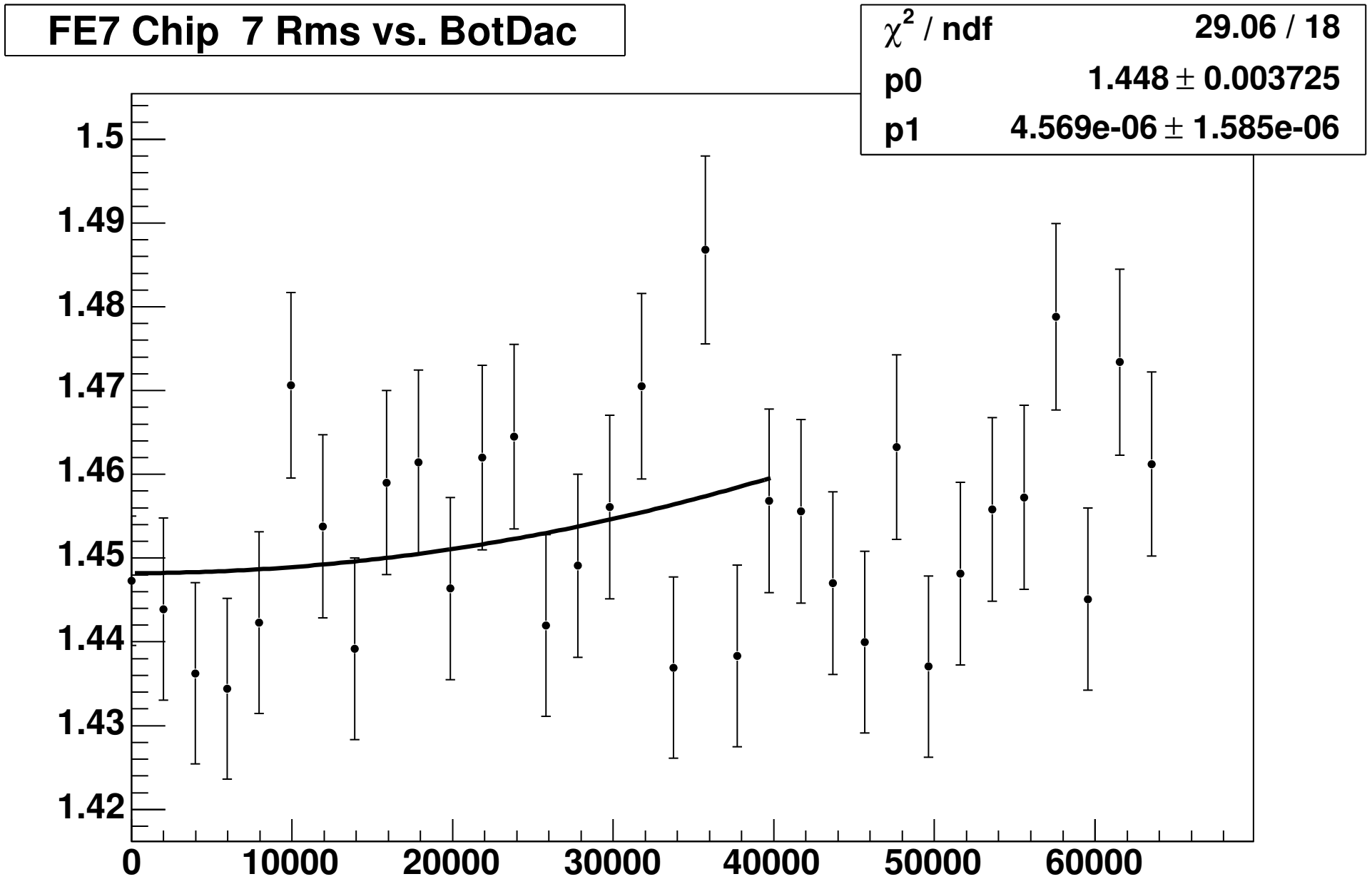

FE7 Chip 6 Mean vs. BotDac
χ² / ndf 961.9 / 18
p0 -9.464 ± 0.006991
p1 1.452e-05 ± 2.946e-07
-8.7
-8.8
-8.9
-9
-9.1
-9.2
-9.3
-9.4
-9.5
0
10000
20000
30000
40000
50000
60000

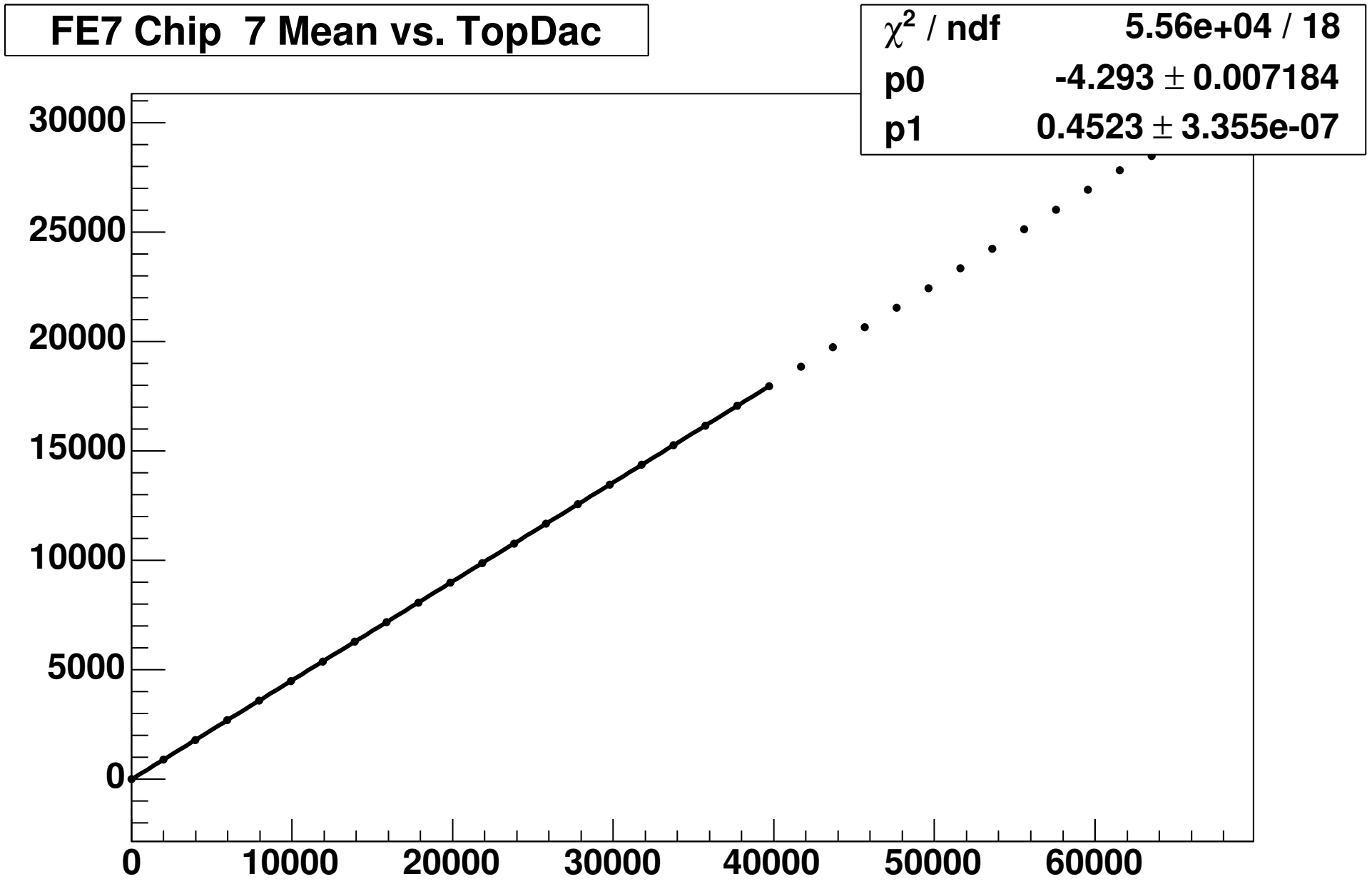

FE7 Chip 6 Rms vs. BotDac
χ² / ndf 34.77 / 18
p0 1.417 ± 0.003644
p1 4.365e-06 ± 1.587e-06
1.47
1.46
1.45
1.44
1.43
1.42
1.41
1.4
1.39
0
10000
20000
30000
40000
50000
60000

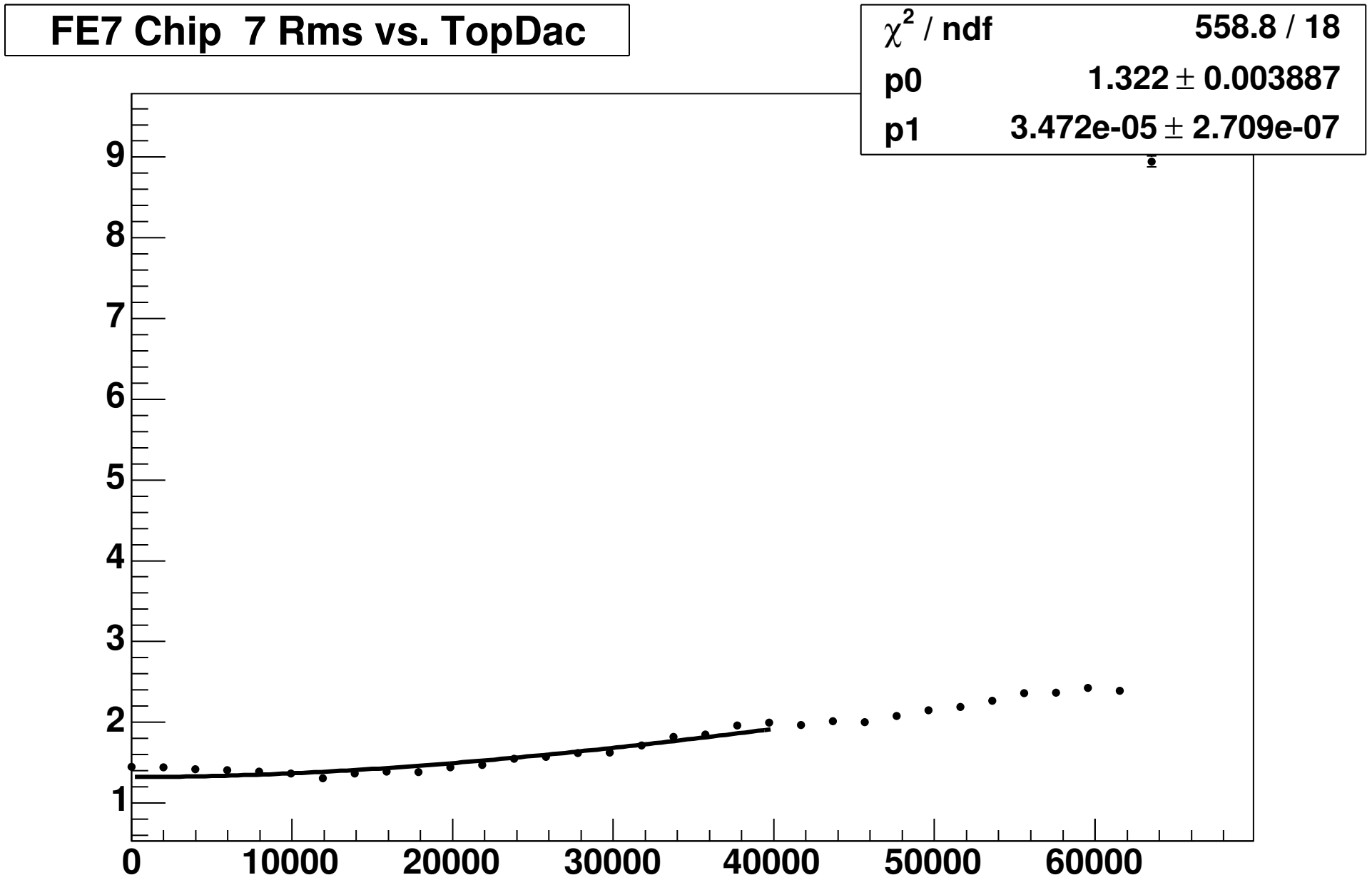

FE7 Chip 6 Mean vs. TopDac
χ² / ndf 4.084e+04 / 18
p0 -8.574 ± 0.007248
p1 0.4523 ± 3.344e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

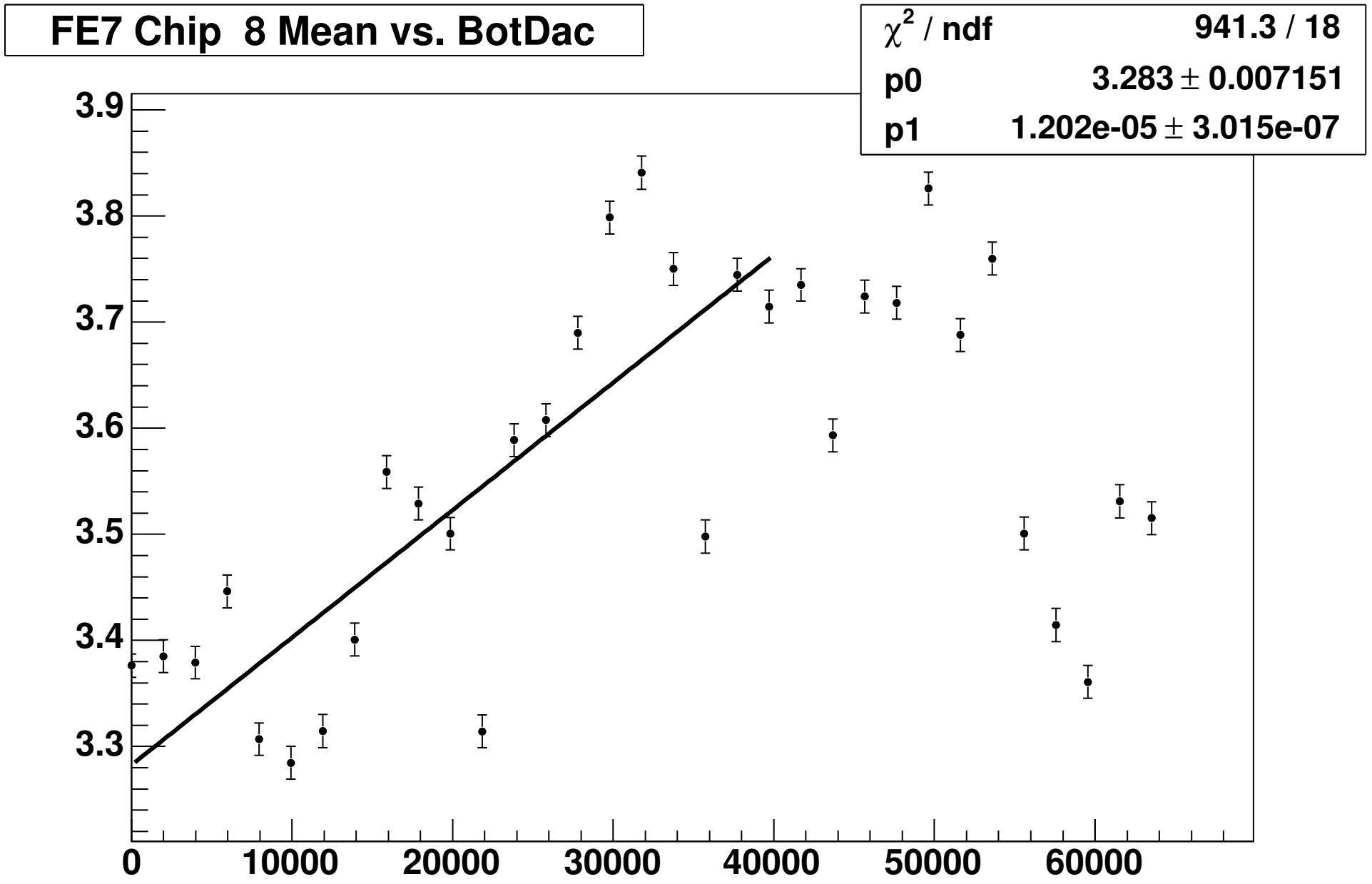

FE7 Chip 6 Rms vs. TopDac
χ² / ndf 1167 / 18
p0 1.343 ± 0.003899
p1 3.269e-05 ± 2.828e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

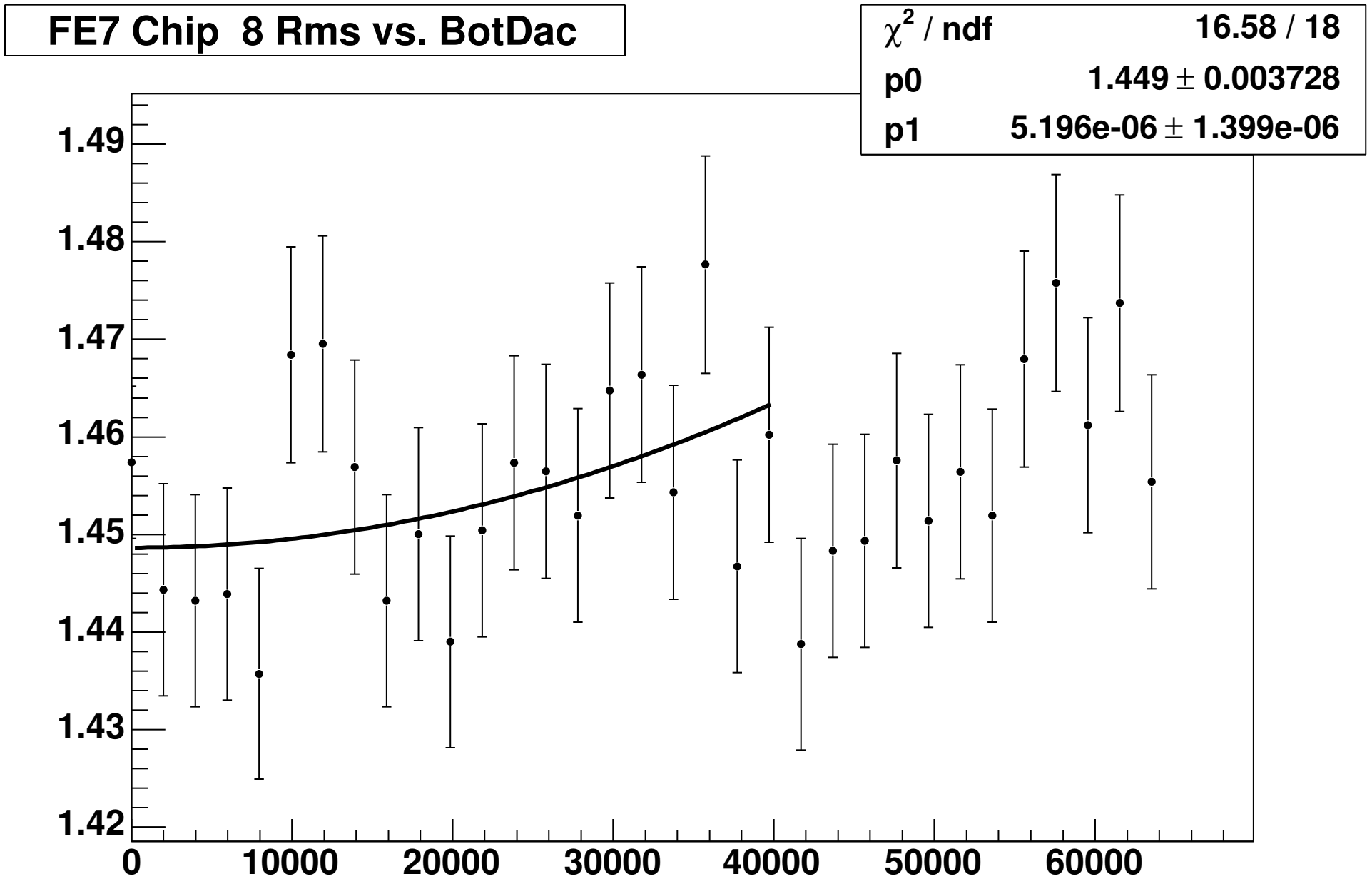

FE7 Chip 7 Mean vs. BotDac
χ² / ndf 965.6 / 18
p0 -5.107 ± 0.007137
p1 1.504e-05 ± 3.008e-07
-4.4
-4.5
-4.6
-4.7
-4.8
-4.9
-5
-5.1
0
10000
20000
30000
40000
50000
60000

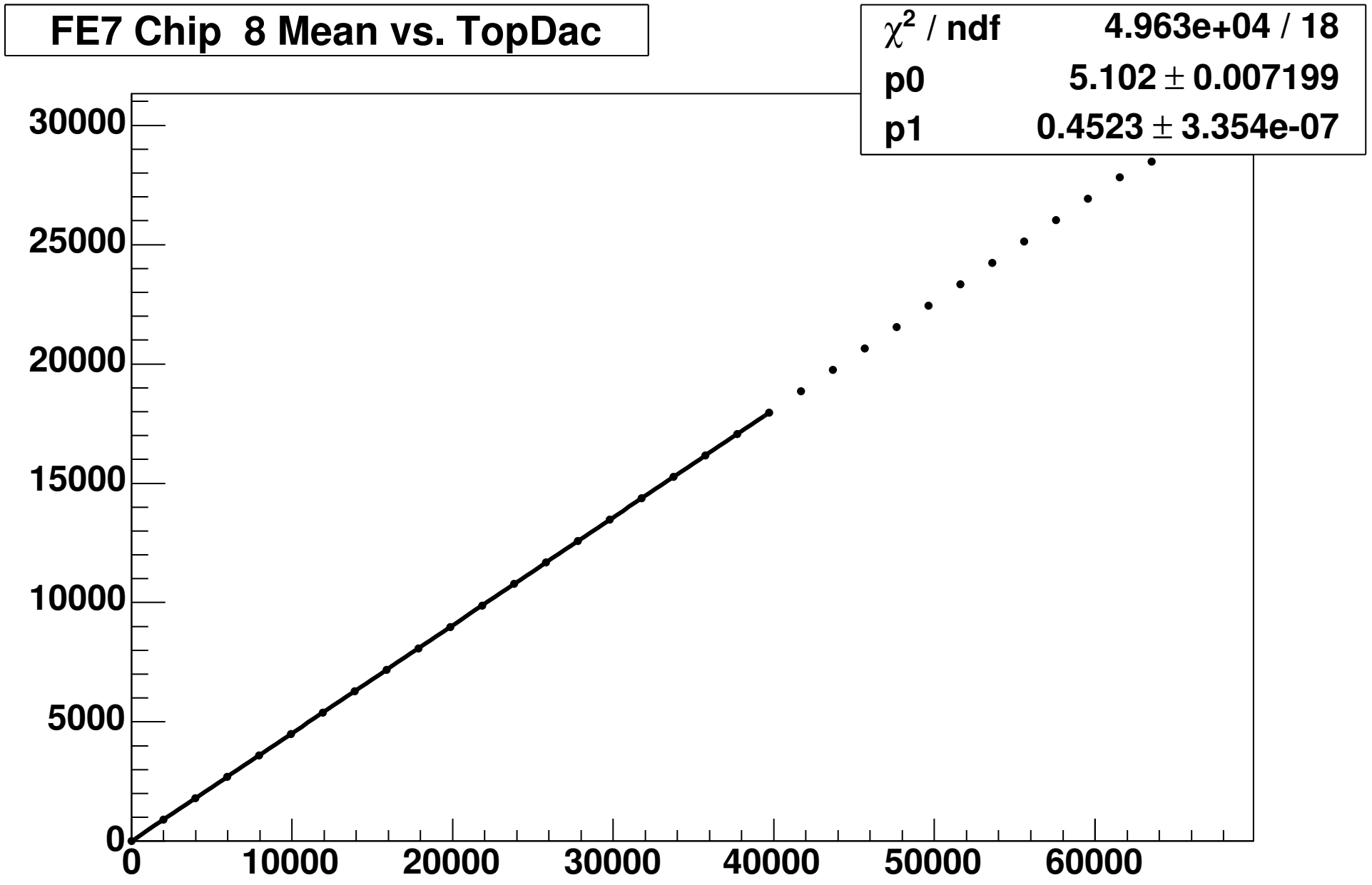

FE7 Chip 7 Rms vs. BotDac
χ² / ndf 29.06 / 18
p0 1.448 ± 0.003725
p1 4.569e-06 ± 1.585e-06
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

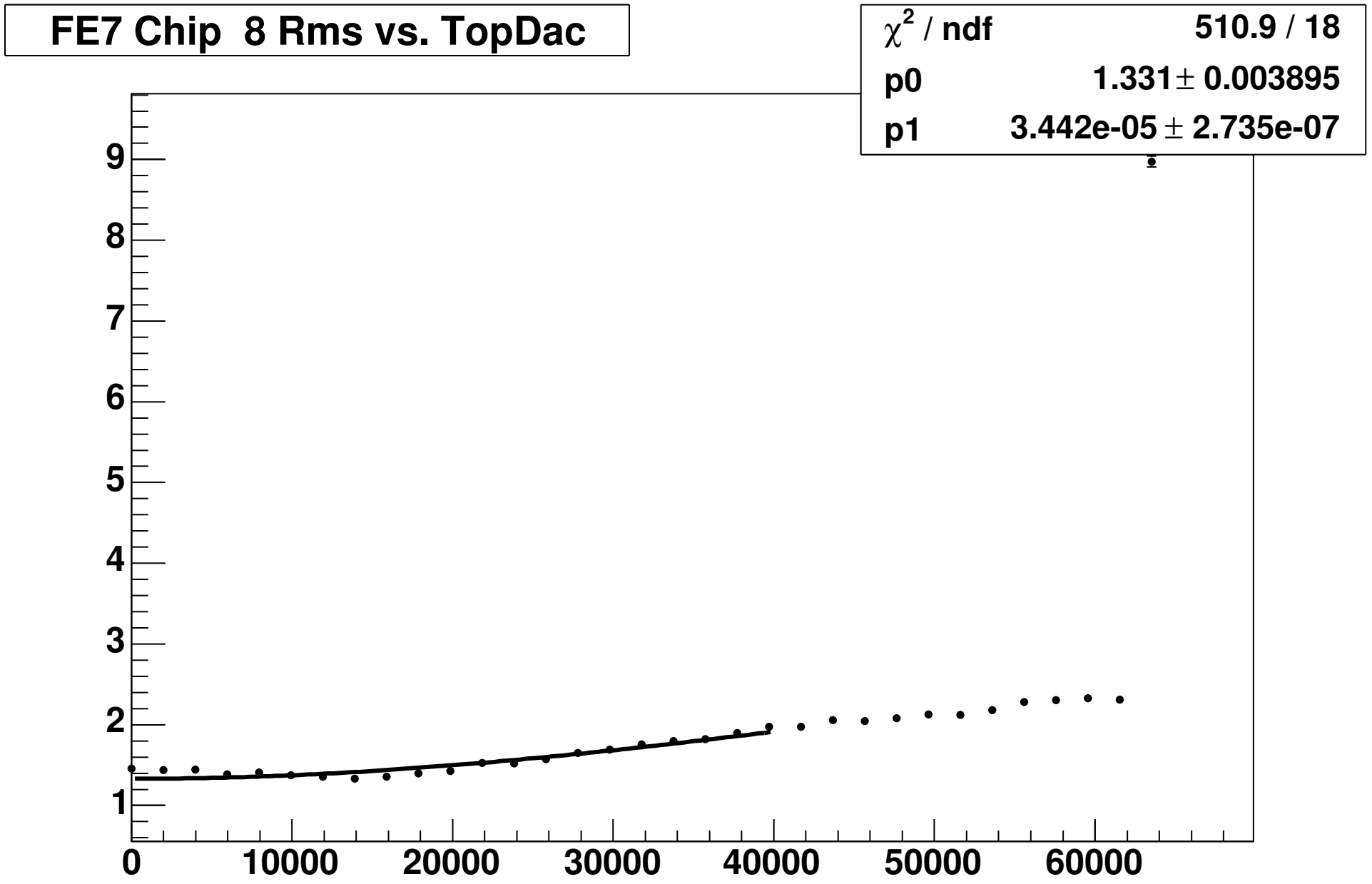

FE7 Chip 7 Mean vs. TopDac
χ² / ndf 5.56e+04 / 18
p0 -4.293 ± 0.007184
p1 0.4523 ± 3.355e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

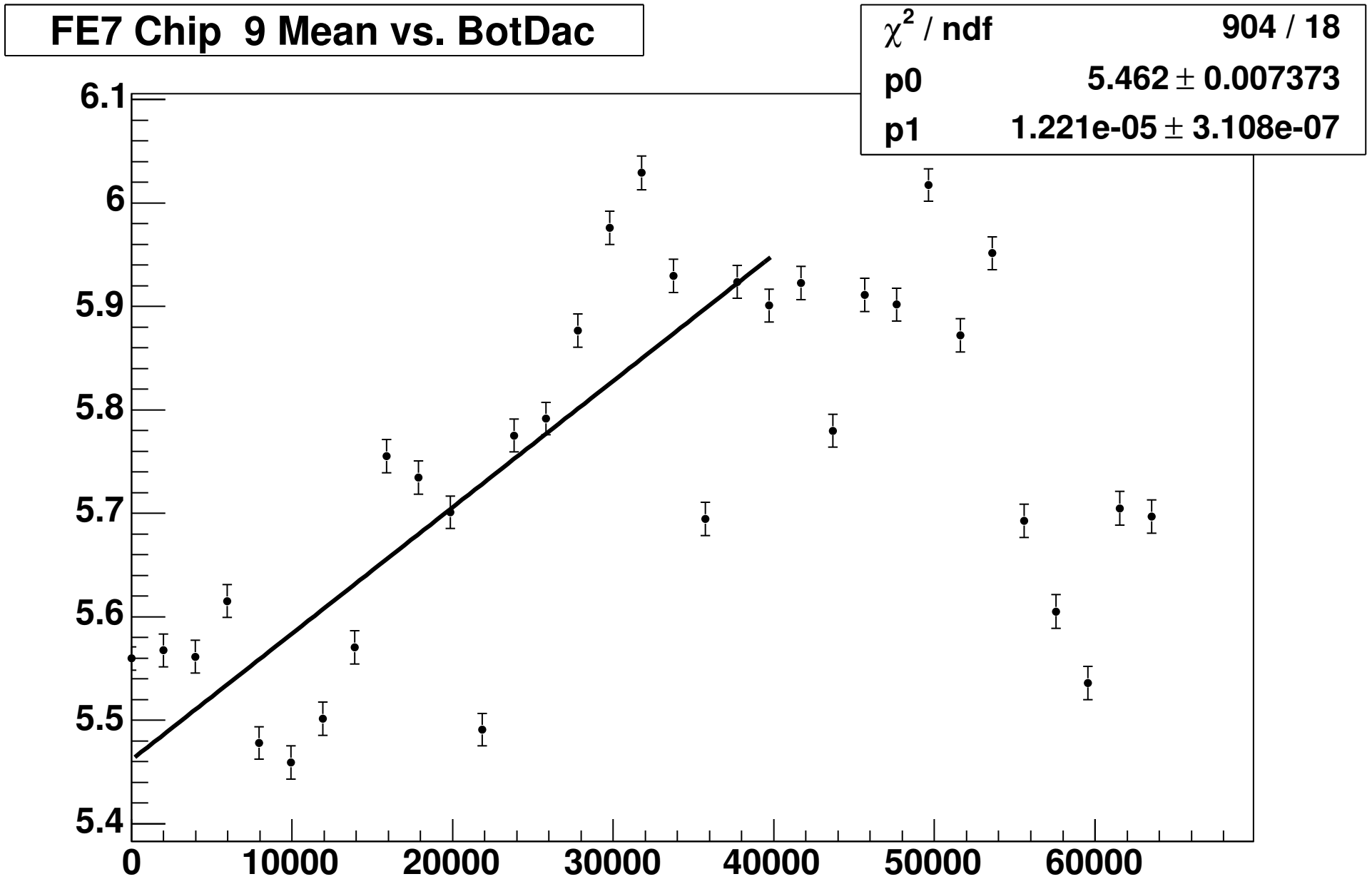

FE7 Chip 7 Rms vs. TopDac
χ² / ndf 558.8 / 18
p0 1.322 ± 0.003887
p1 3.472e-05 ± 2.709e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

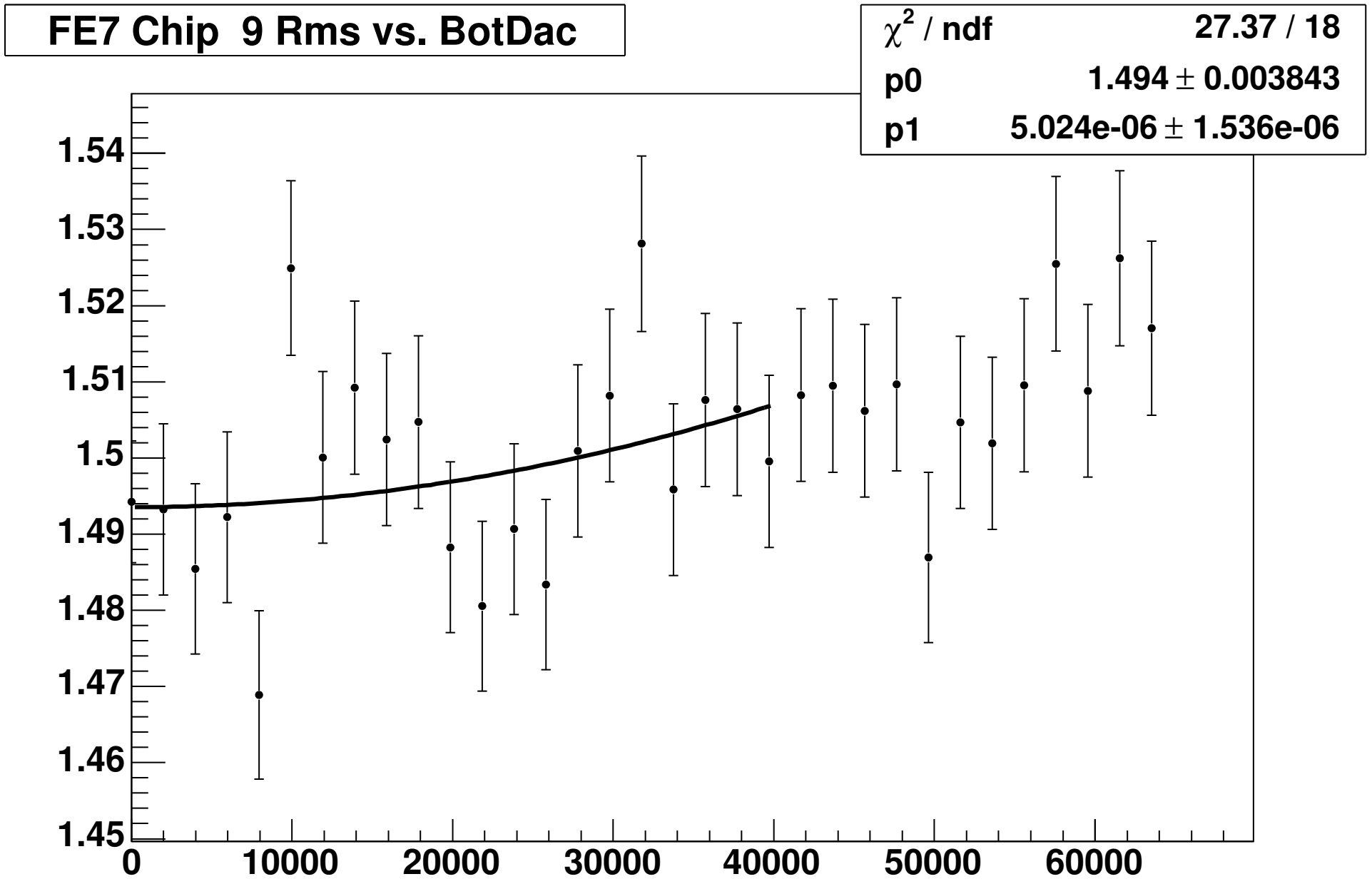

FE7 Chip 8 Mean vs. BotDac
χ² / ndf 941.3 / 18
p0 3.283 ± 0.007151
p1 1.202e-05 ± 3.015e-07
3.9
3.8
3.7
3.6
3.5
3.4
3.3
0
10000
20000
30000
40000
50000
60000

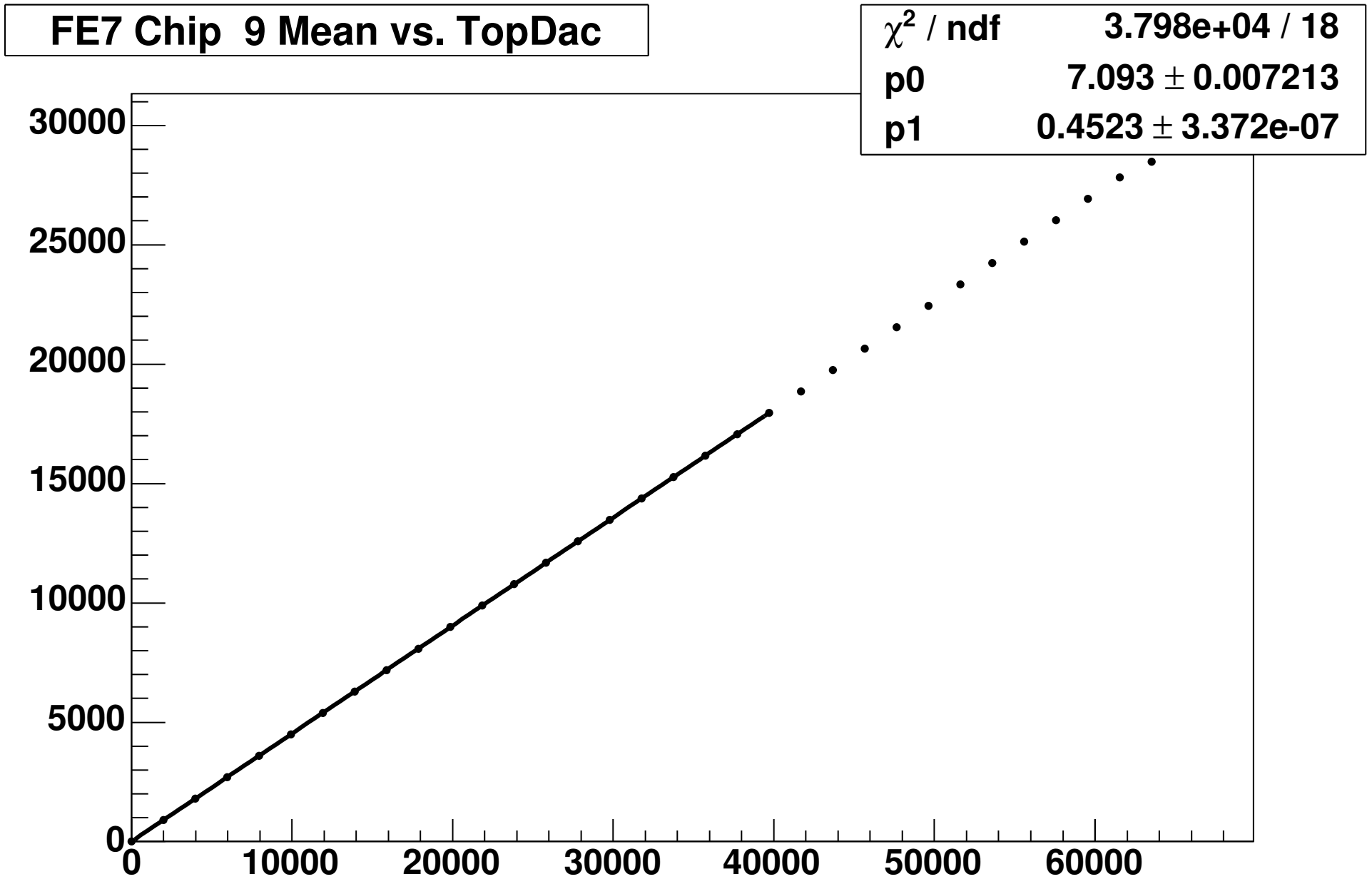

FE7 Chip 8 Rms vs. BotDac
χ² / ndf 16.58 / 18
p0 1.449 ± 0.003728
p1 5.196e-06 ± 1.399e-06
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

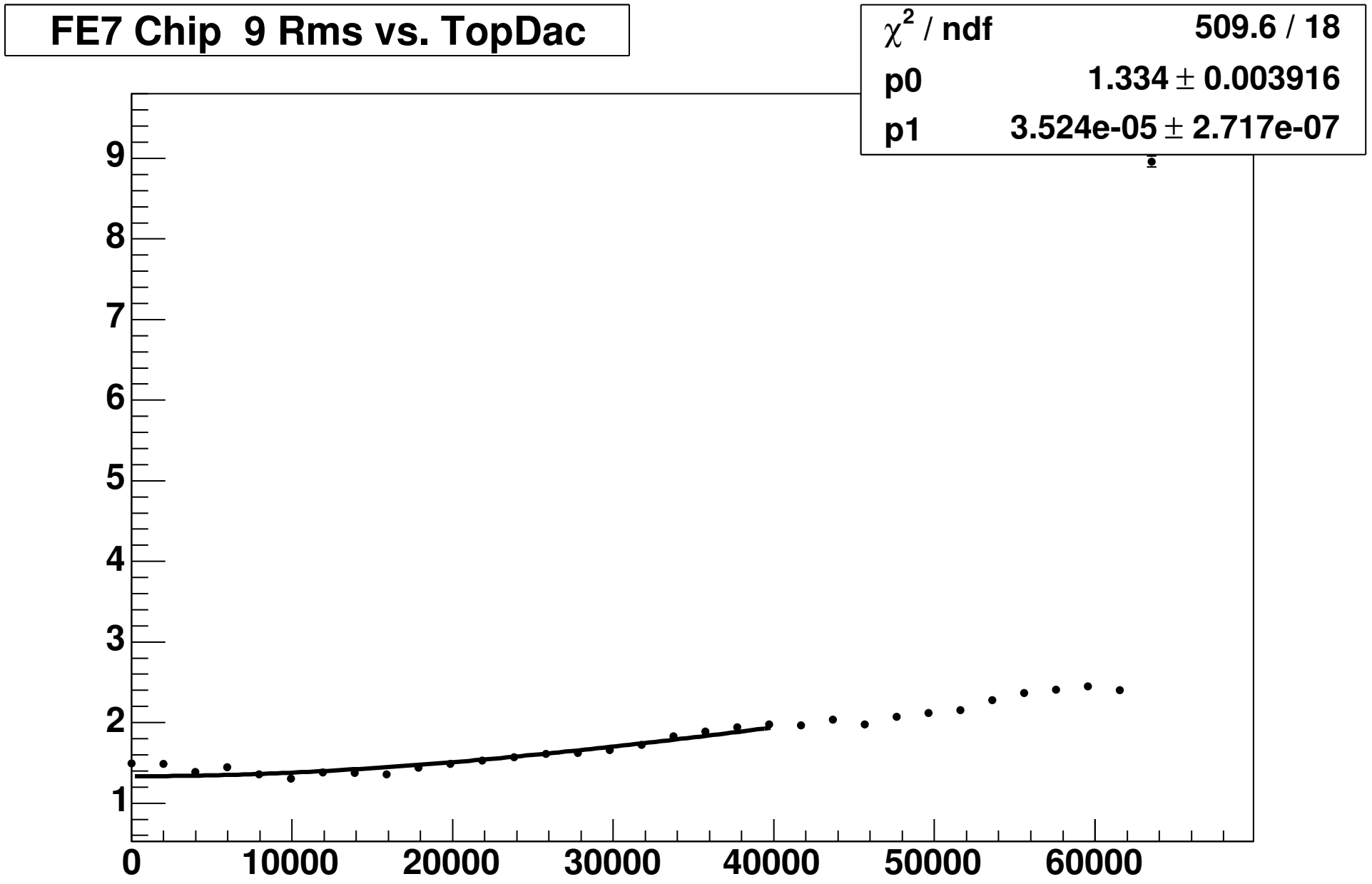

FE7 Chip 8 Mean vs. TopDac
χ² / ndf 4.963e+04 / 18
p0 5.102 ± 0.007199
p1 0.4523 ± 3.354e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

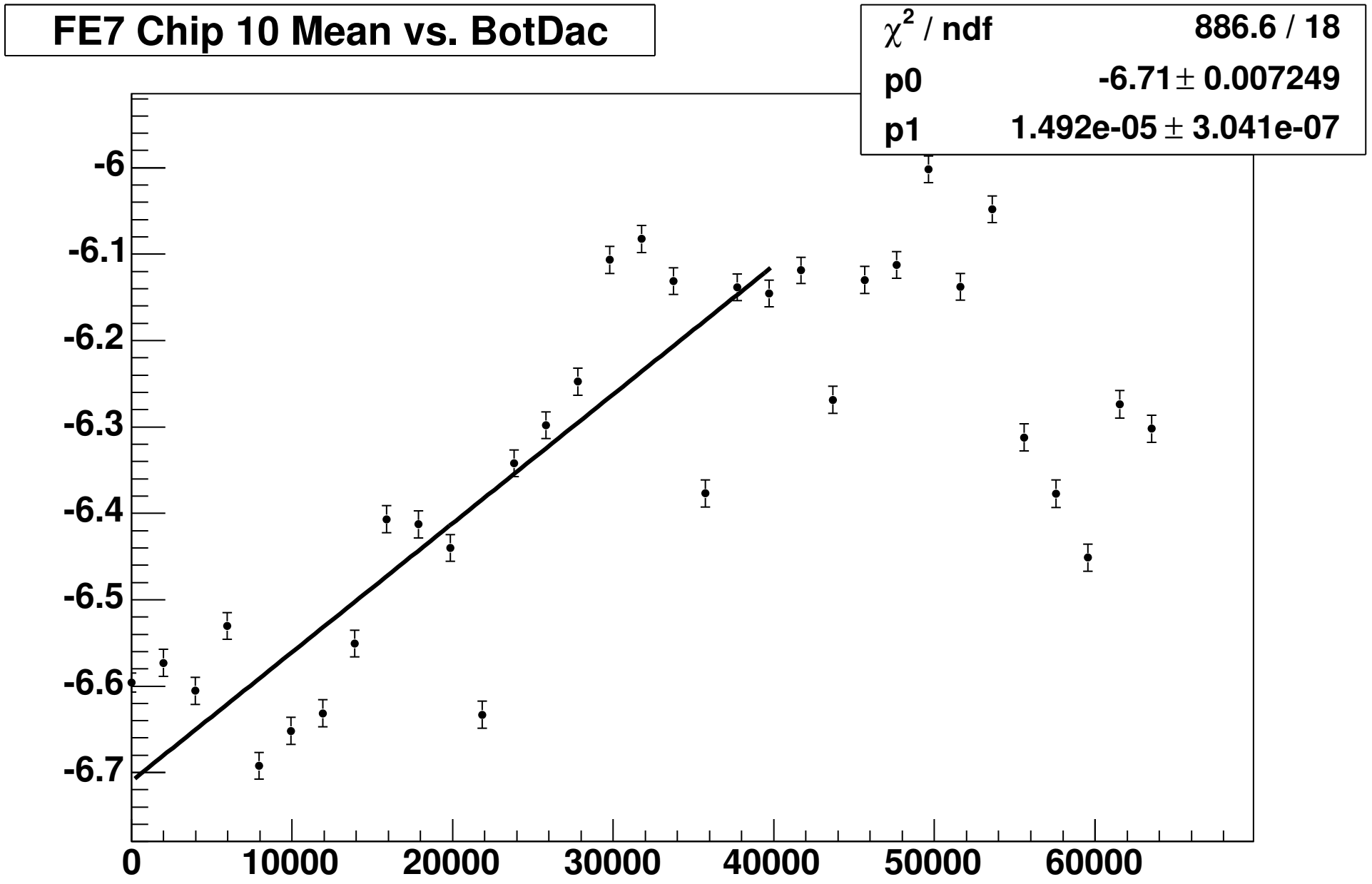

FE7 Chip 8 Rms vs. TopDac
χ² / ndf 510.9 / 18
p0 1.331 ± 0.003895
p1 3.442e-05 ± 2.735e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

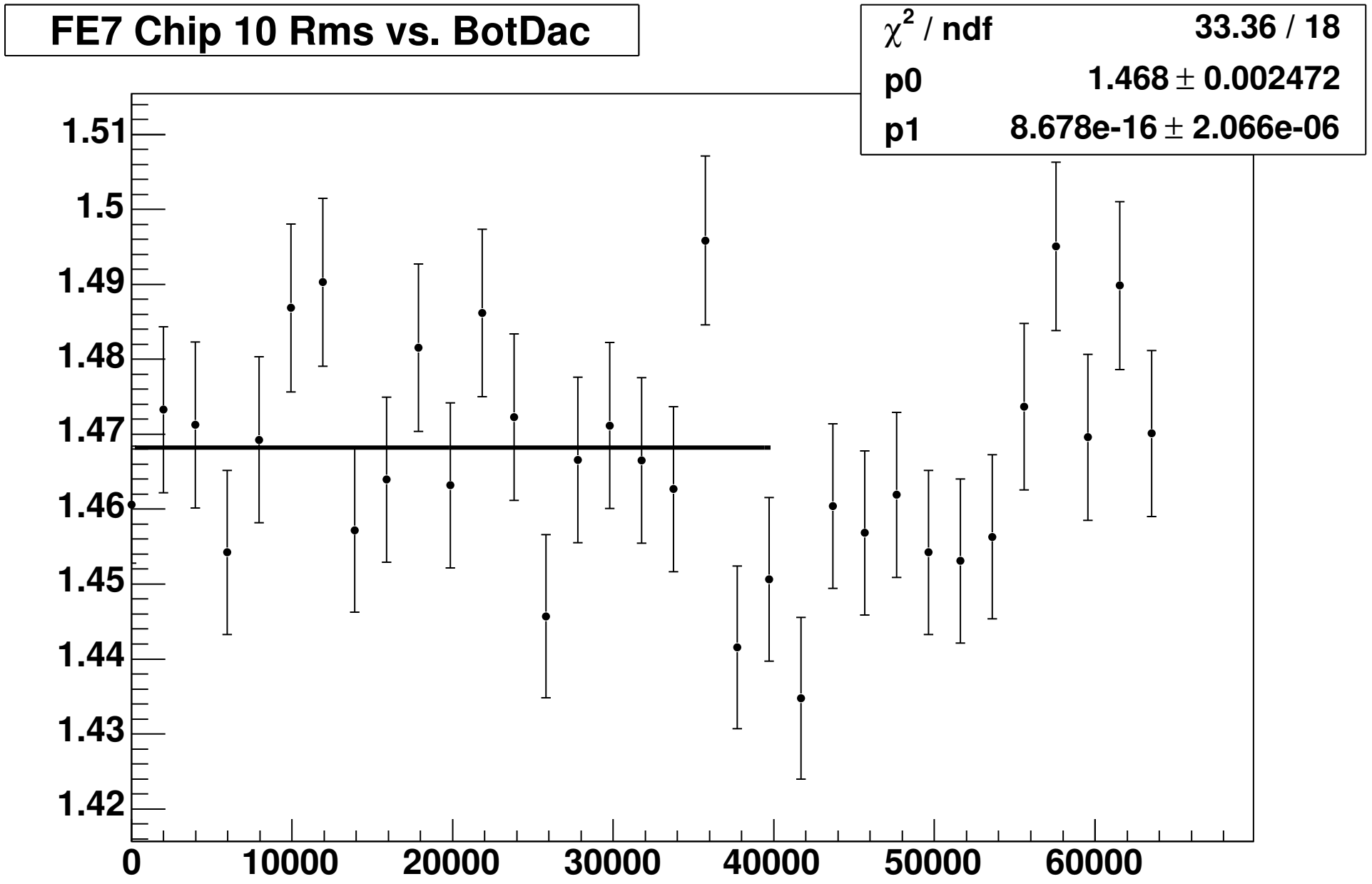

FE7 Chip 9 Mean vs. BotDac
χ² / ndf 904 / 18
p0 5.462 ± 0.007373
p1 1.221e-05 ± 3.108e-07
6.1
6
5.9
5.8
5.7
5.6
5.5
5.4
0
10000
20000
30000
40000
50000
60000

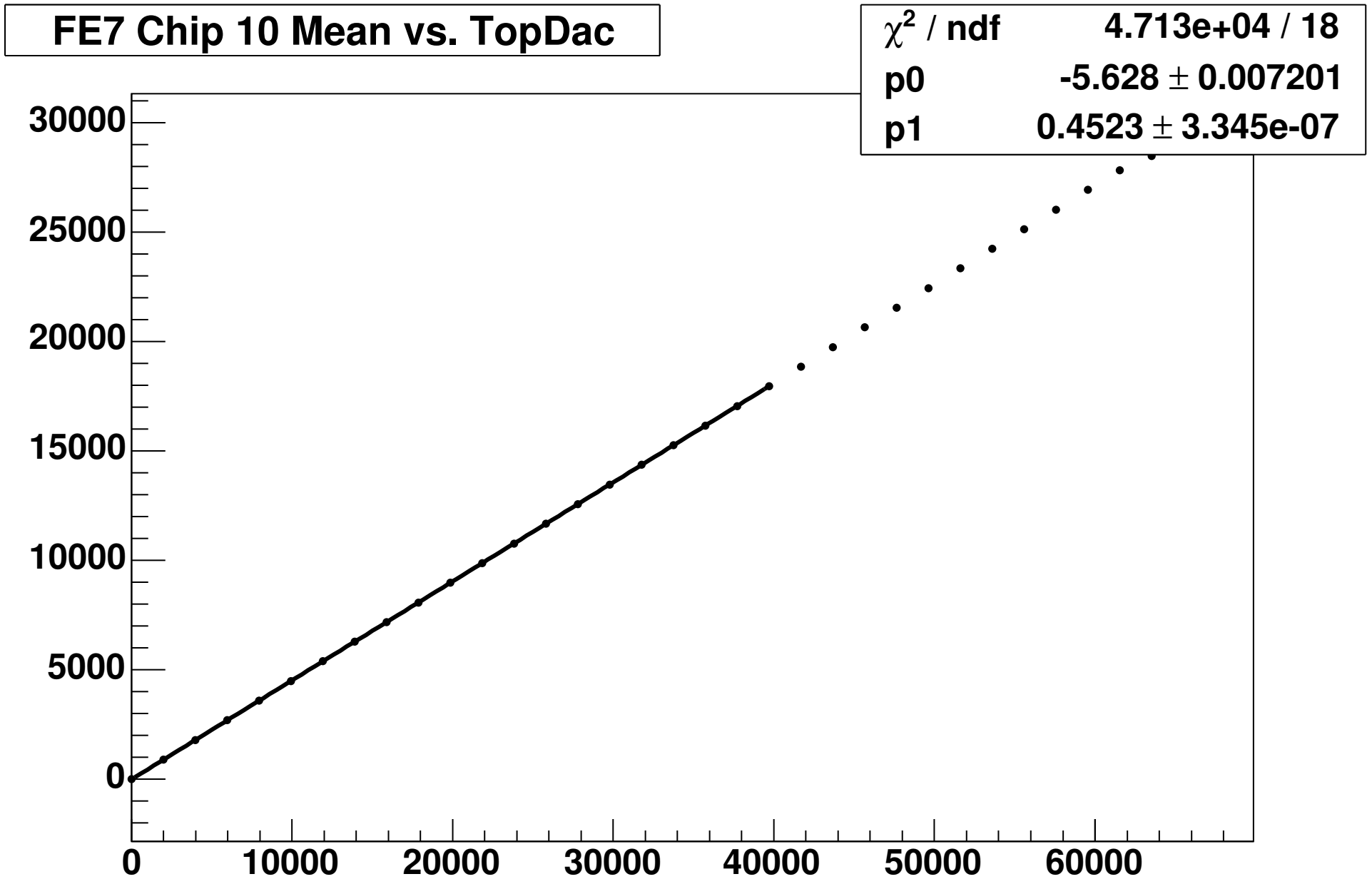

FE7 Chip 9 Rms vs. BotDac
χ² / ndf 27.37 / 18
p0 1.494 ± 0.003843
p1 5.024e-06 ± 1.536e-06
1.54
1.53
1.52
1.51
1.5
1.49
1.48
1.47
1.46
1.45
0
10000
20000
30000
40000
50000
60000

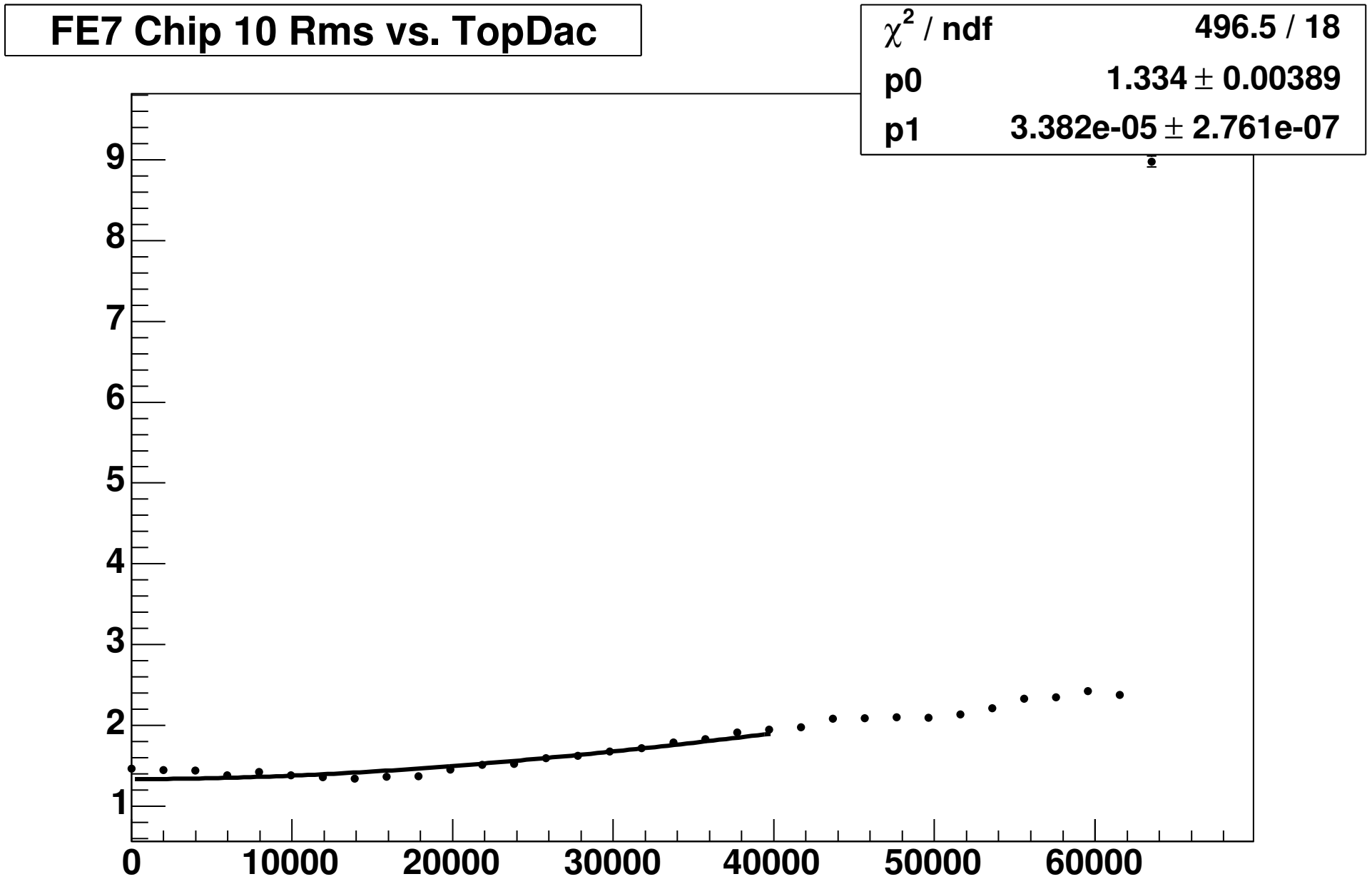

FE7 Chip 9 Mean vs. TopDac
χ² / ndf 3.798e+04 / 18
p0 7.093 ± 0.007213
p1 0.4523 ± 3.372e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

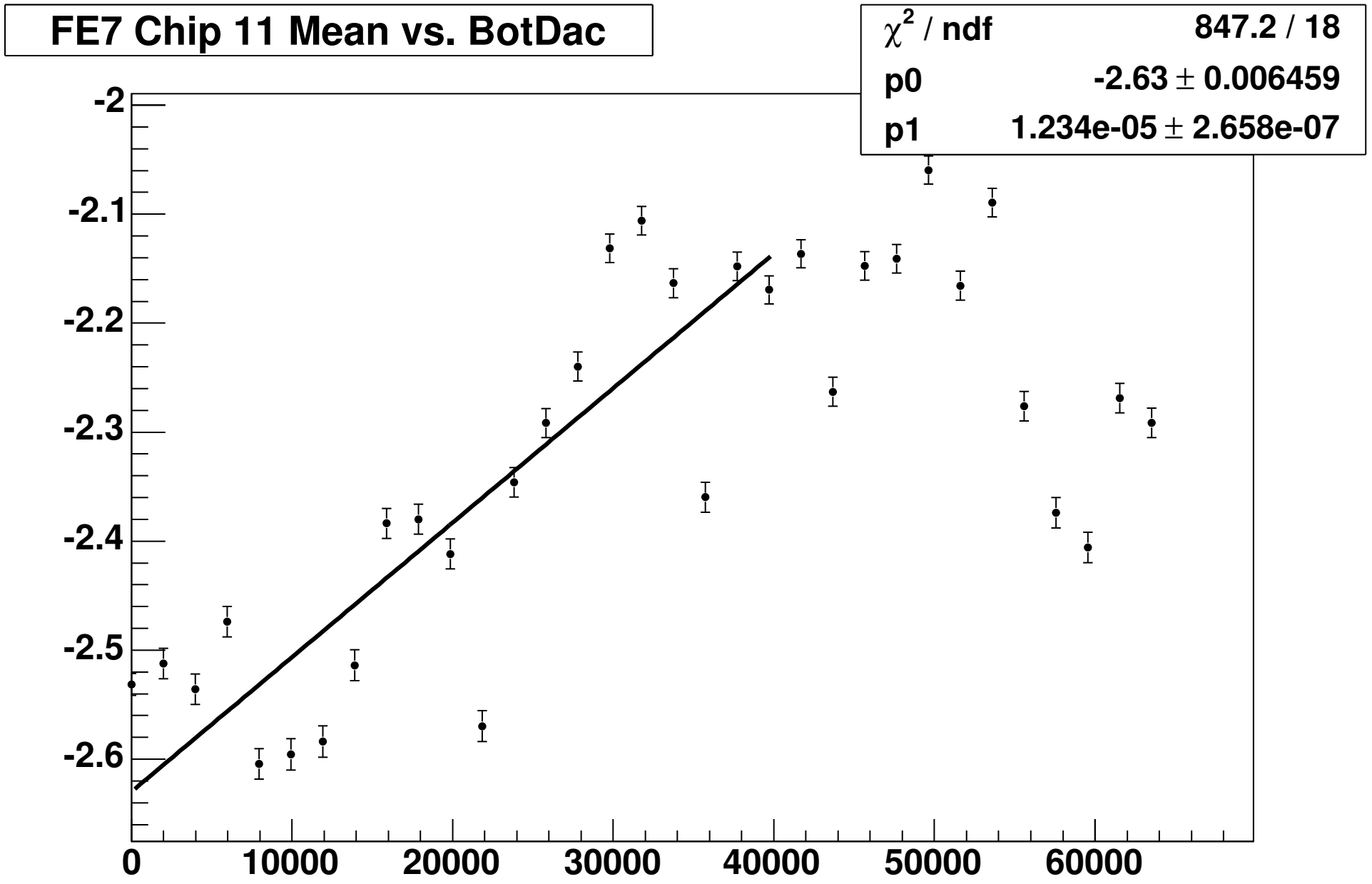

FE7 Chip 9 Rms vs. TopDac
χ² / ndf 509.6 / 18
p0 1.334 ± 0.003916
p1 3.524e-05 ± 2.717e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

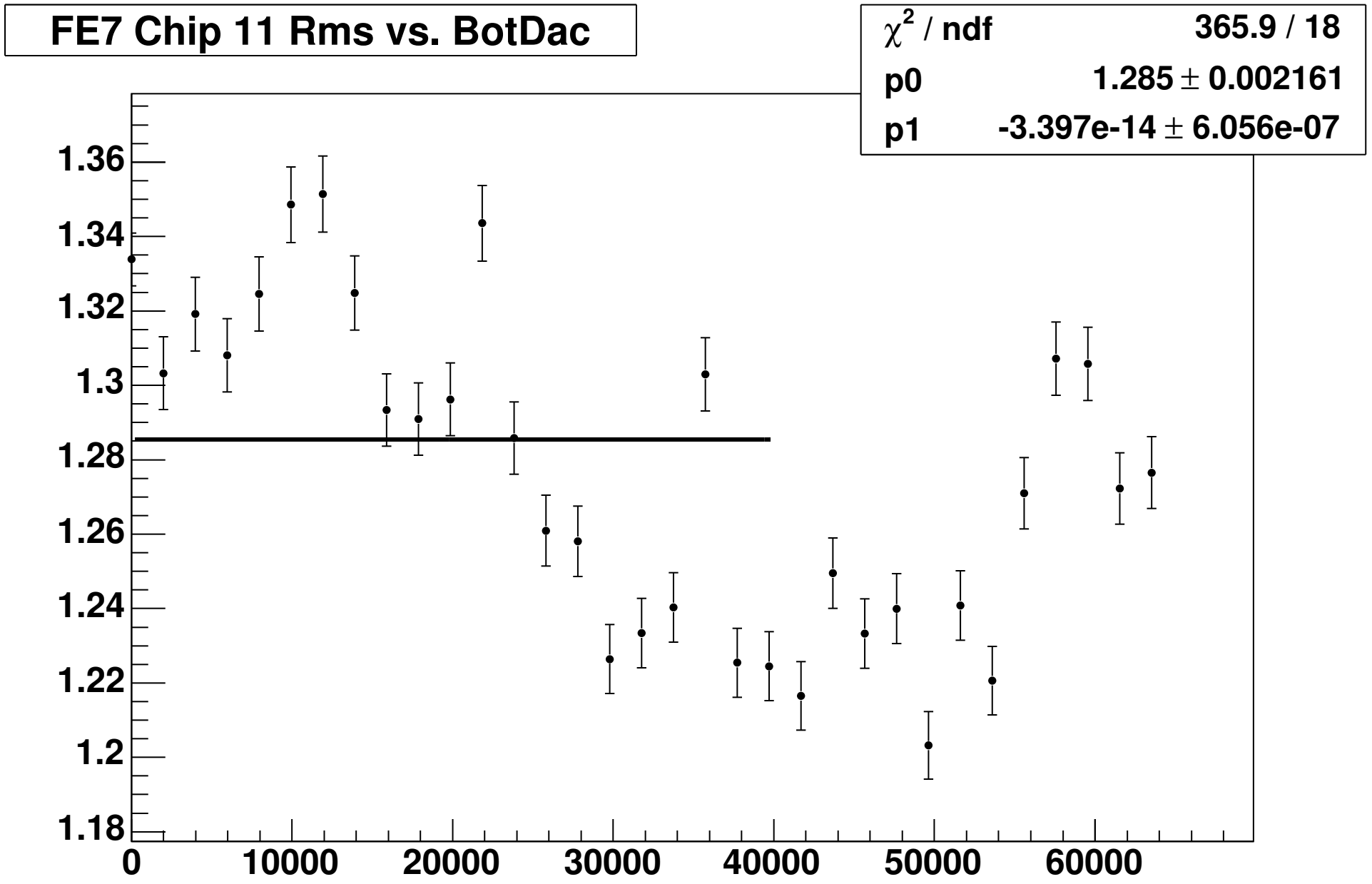

FE7 Chip 10 Mean vs. BotDac
χ² / ndf 886.6 / 18
p0 -6.71 ± 0.007249
p1 1.492e-05 ± 3.041e-07
-6
-6.1
-6.2
-6.3
-6.4
-6.5
-6.6
-6.7
0
10000
20000
30000
40000
50000
60000

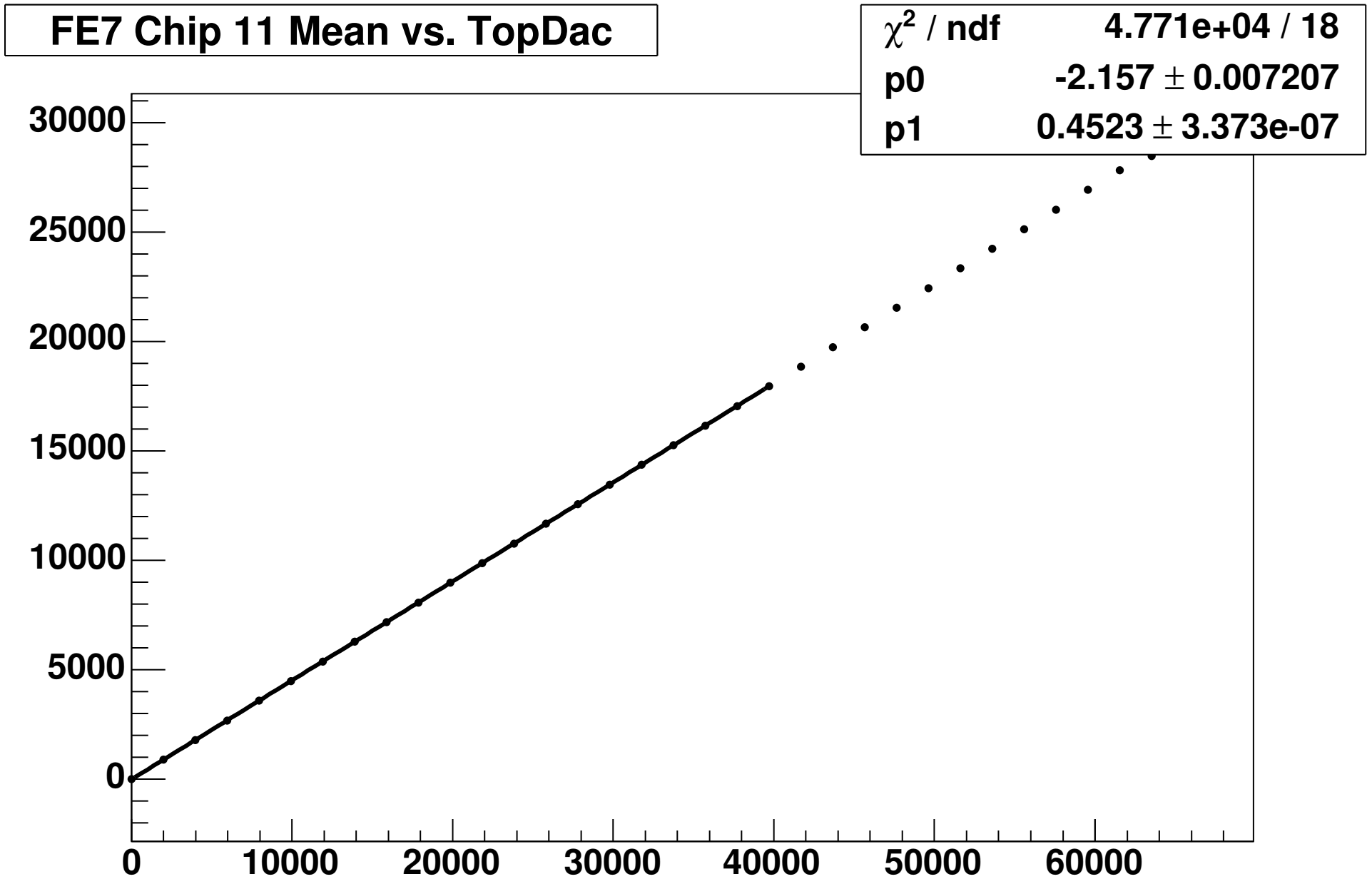

FE7 Chip 10 Rms vs. BotDac
χ² / ndf 33.36 / 18
p0 1.468 ± 0.002472
p1 8.678e-16 ± 2.066e-06
1.51
1.5
1.49
1.48
1.47
1.46
1.45
1.44
1.43
1.42
0
10000
20000
30000
40000
50000
60000

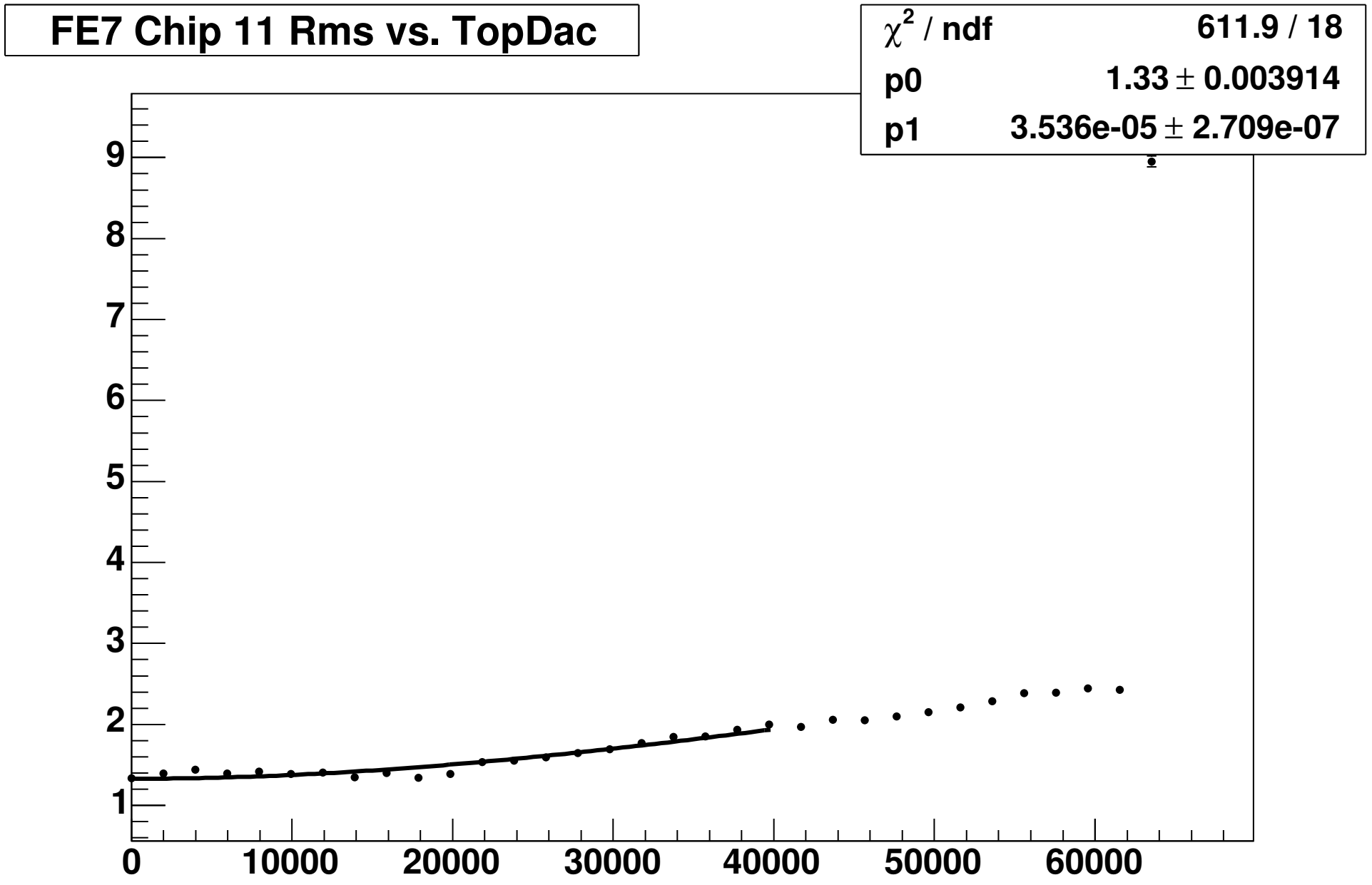

FE7 Chip 10 Mean vs. TopDac
χ² / ndf 4.713e+04 / 18
p0 -5.628 ± 0.007201
p1 0.4523 ± 3.345e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

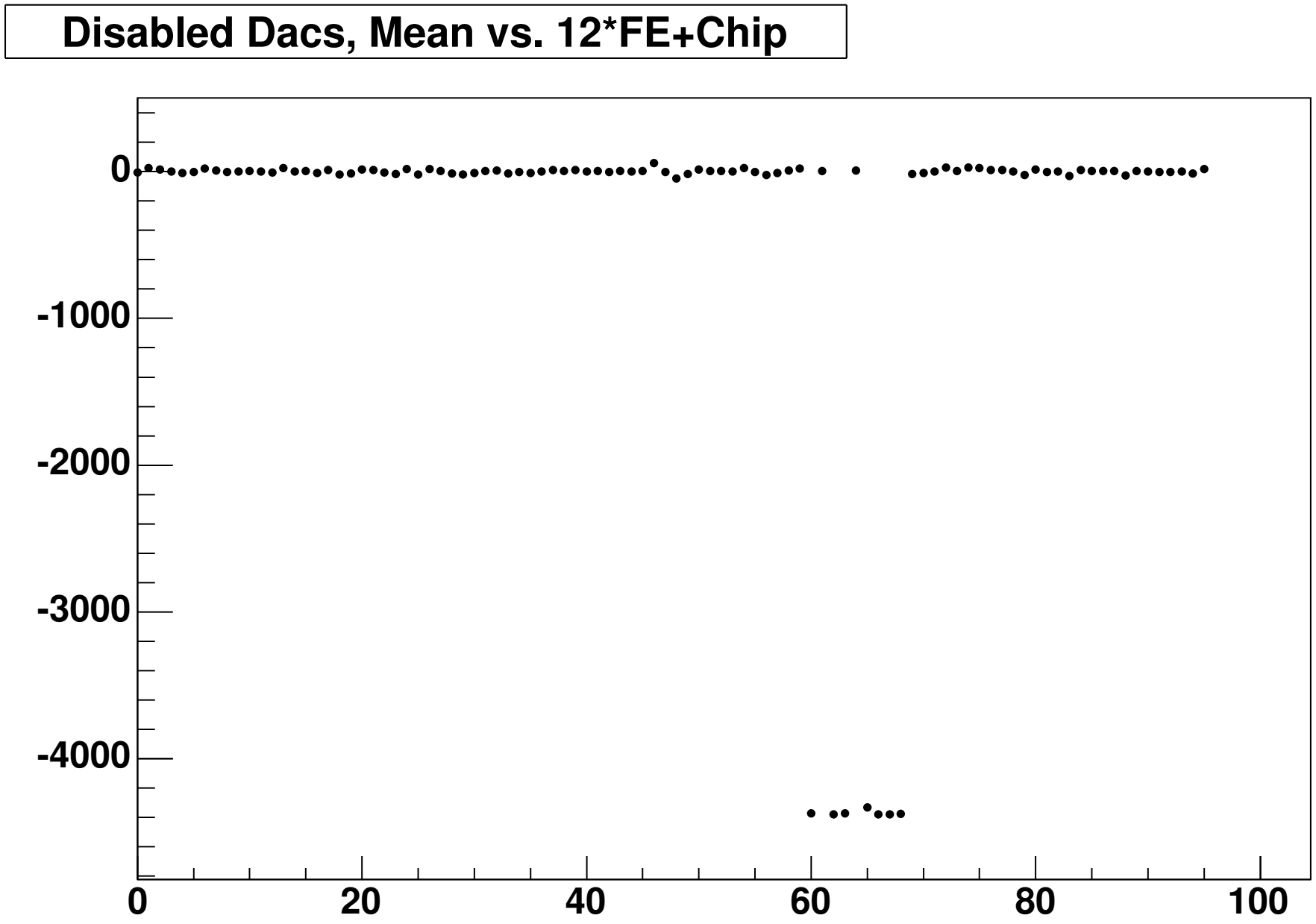

FE7 Chip 10 Rms vs. TopDac
χ² / ndf 496.5 / 18
p0 1.334 ± 0.00389
p1 3.382e-05 ± 2.761e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

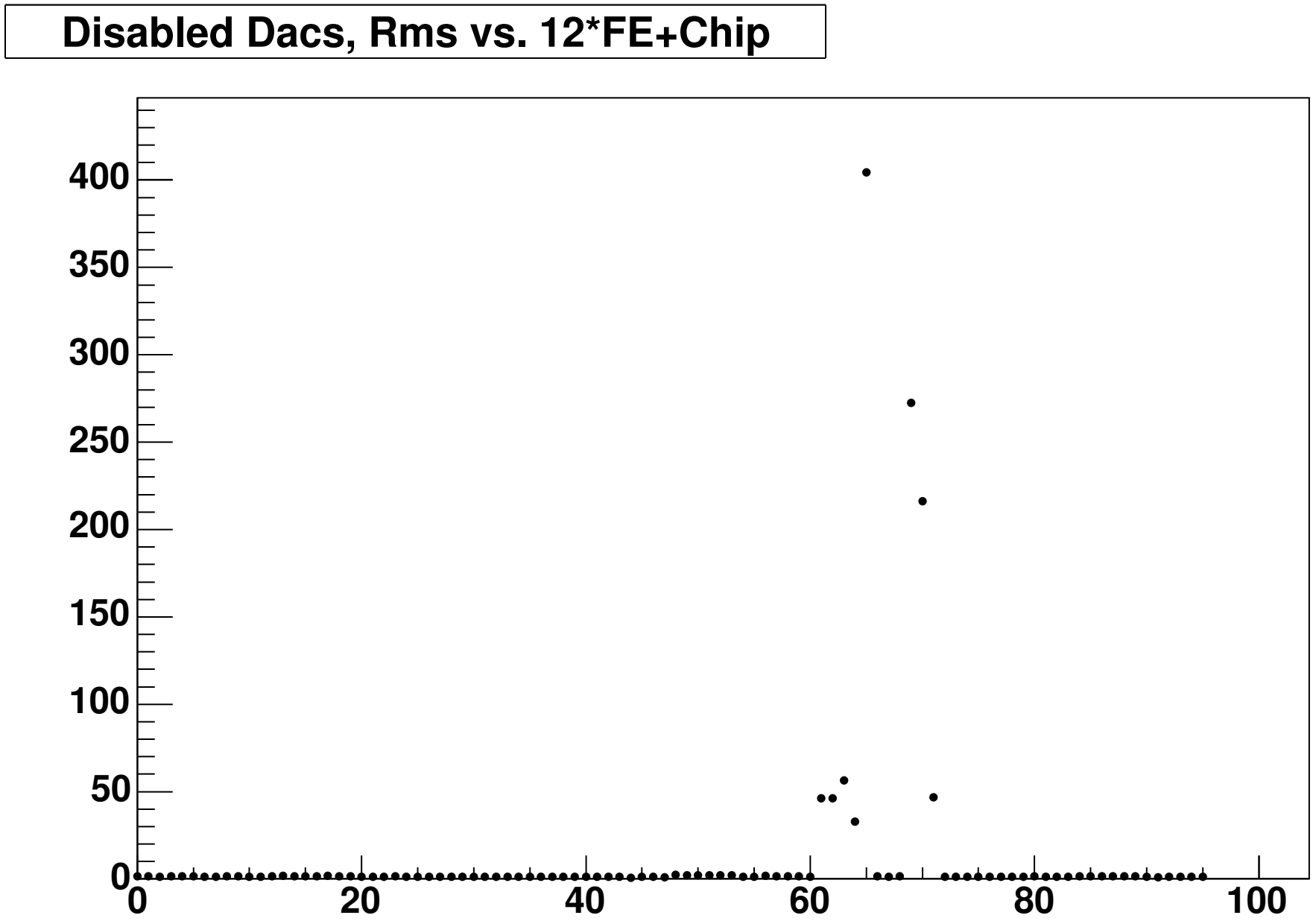

FE7 Chip 11 Mean vs. BotDac
χ² / ndf 847.2 / 18
p0 -2.63 ± 0.006459
p1 1.234e-05 ± 2.658e-07
-2
-2.1
-2.2
-2.3
-2.4
-2.5
-2.6
0
10000
20000
30000
40000
50000
60000

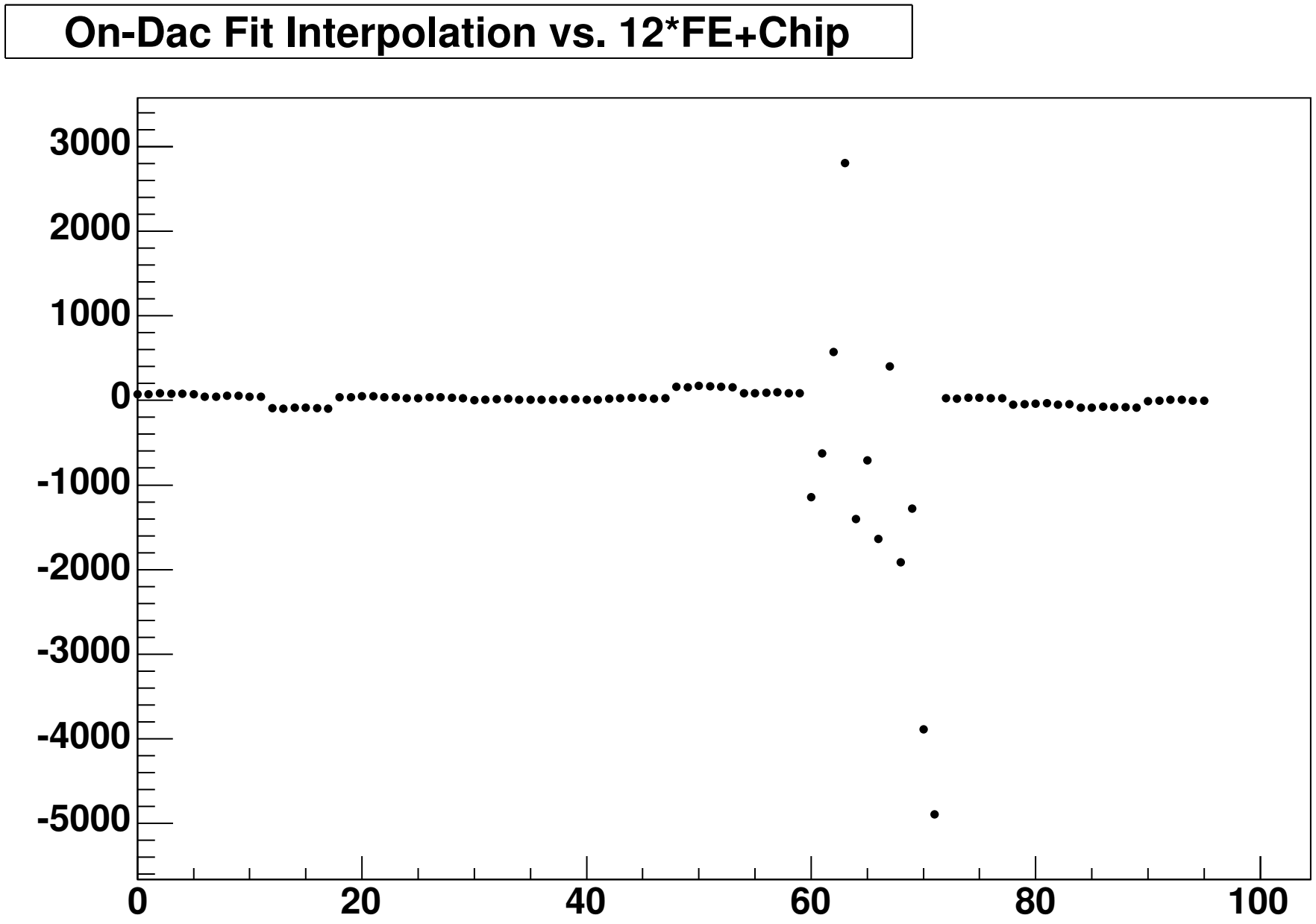

FE7 Chip 11 Rms vs. BotDac
χ² / ndf 365.9 / 18
p0 1.285 ± 0.002161
p1 -3.397e-14 ± 6.056e-07
1.36
1.34
1.32
1.3
1.28
1.26
1.24
1.22
1.2
1.18
0
10000
20000
30000
40000
50000
60000

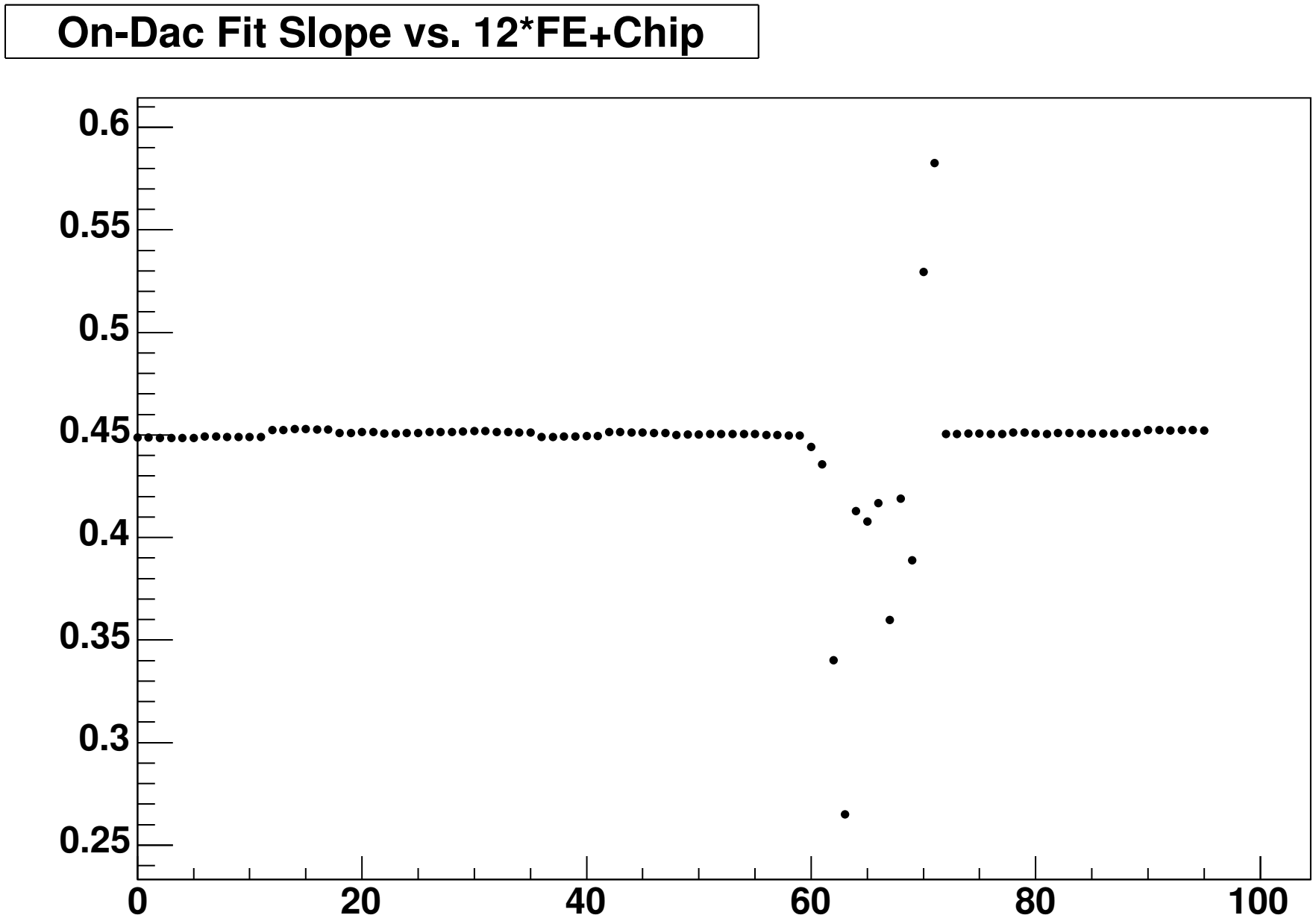

FE7 Chip 11 Mean vs. TopDac
χ² / ndf 4.771e+04 / 18
p0 -2.157 ± 0.007207
p1 0.4523 ± 3.373e-07
30000
25000
20000
15000
10000
5000
0
0
10000
20000
30000
40000
50000
60000

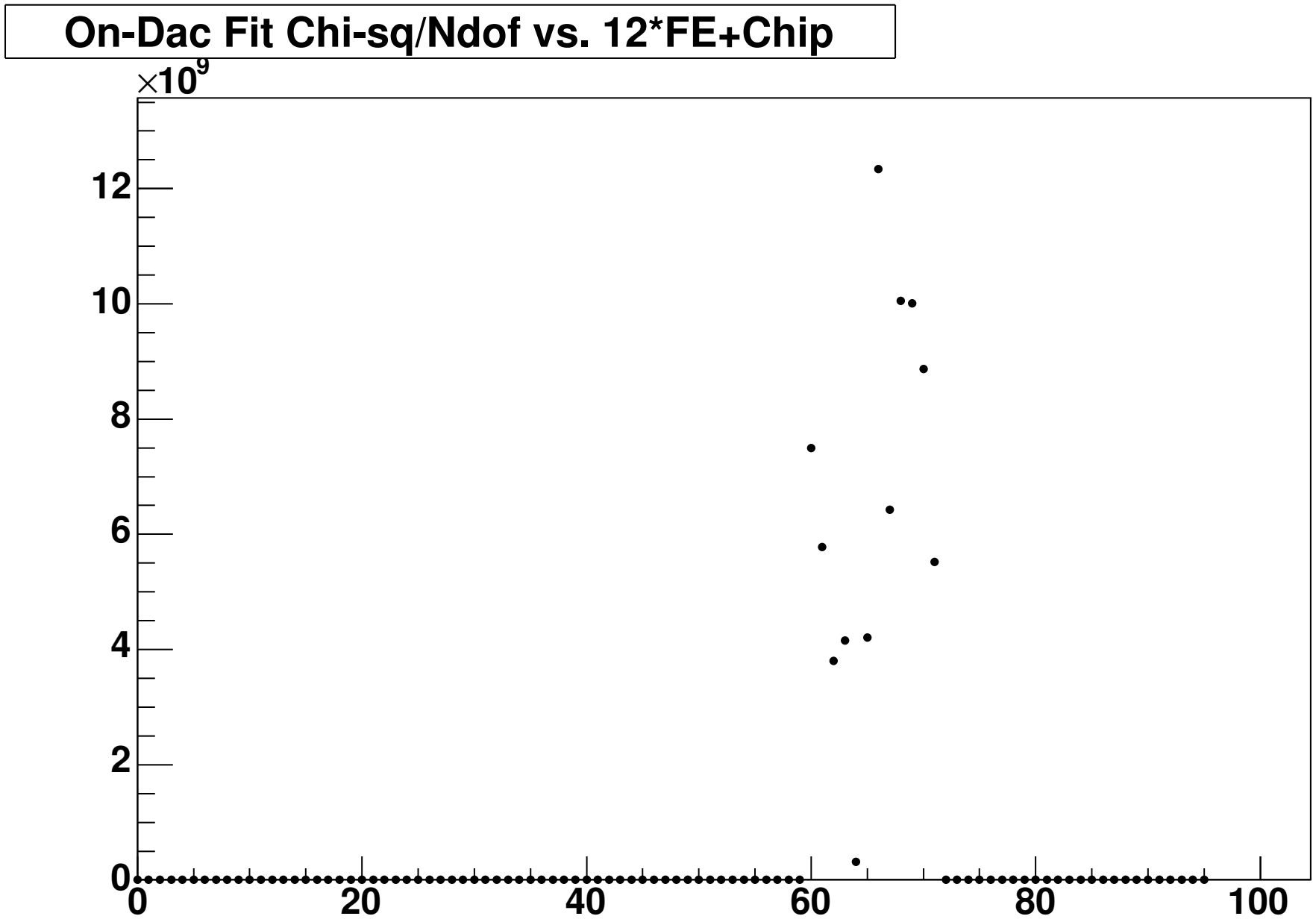

FE7 Chip 11 Rms vs. TopDac
χ² / ndf 611.9 / 18
p0 1.33 ± 0.003914
p1 3.536e-05 ± 2.709e-07
9
8
7
6
5
4
3
2
1
0
10000
20000
30000
40000
50000
60000

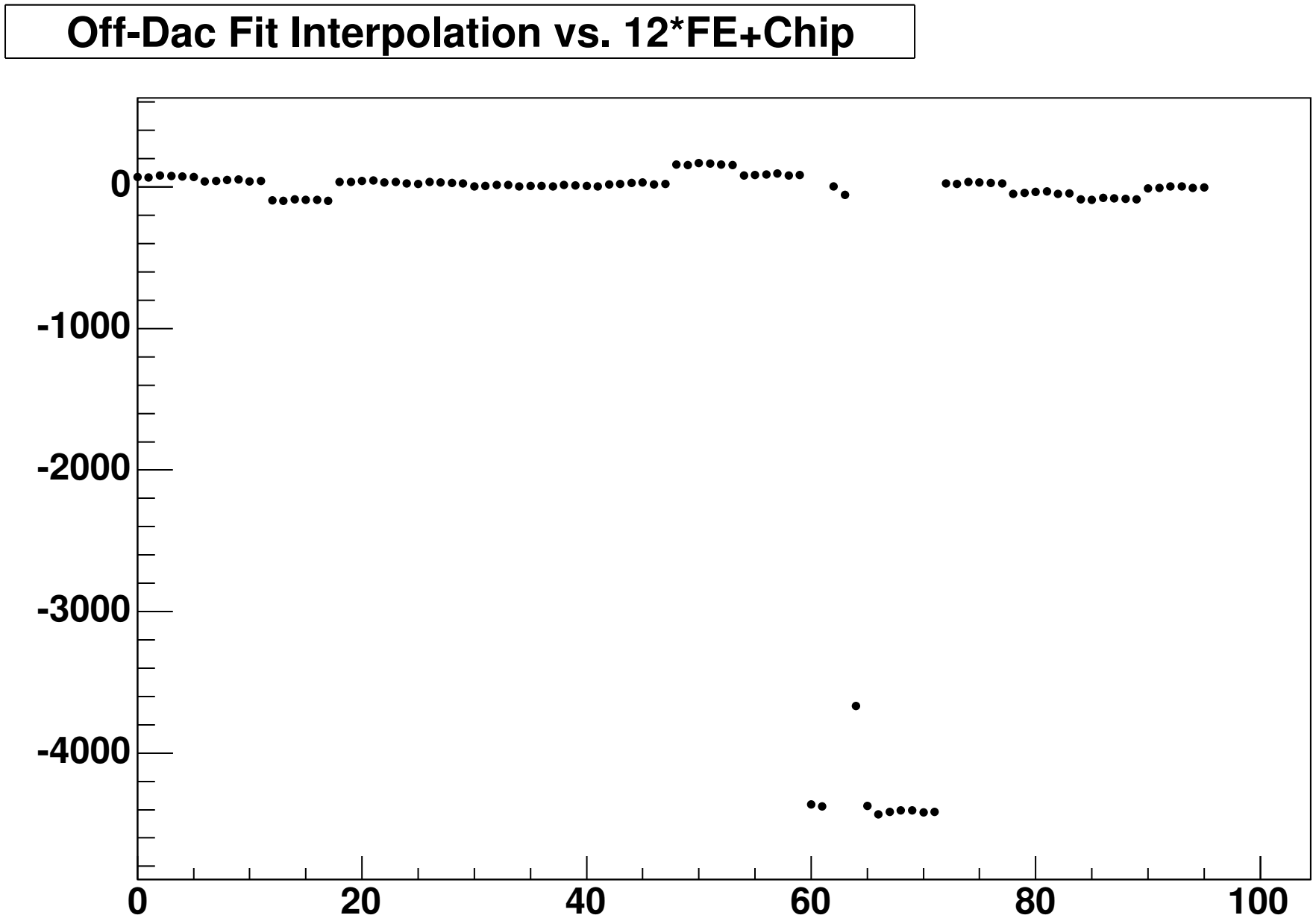

Disabled Dacs, Mean vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
0
20
40
60
80
100

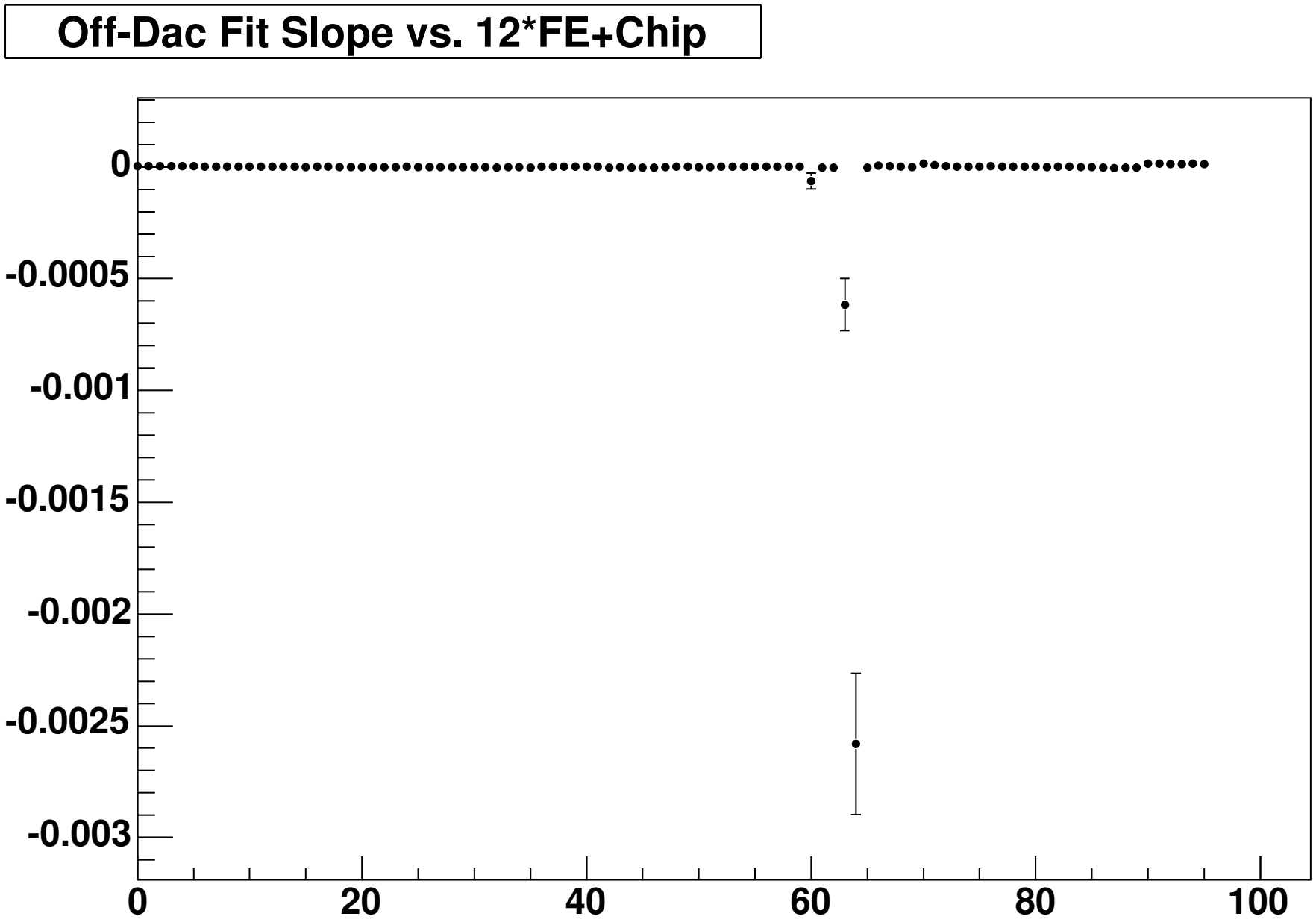

Disabled Dacs, Rms vs. 12*FE+Chip
400
350
300
250
200
150
100
50
0
0
20
40
60
80
100

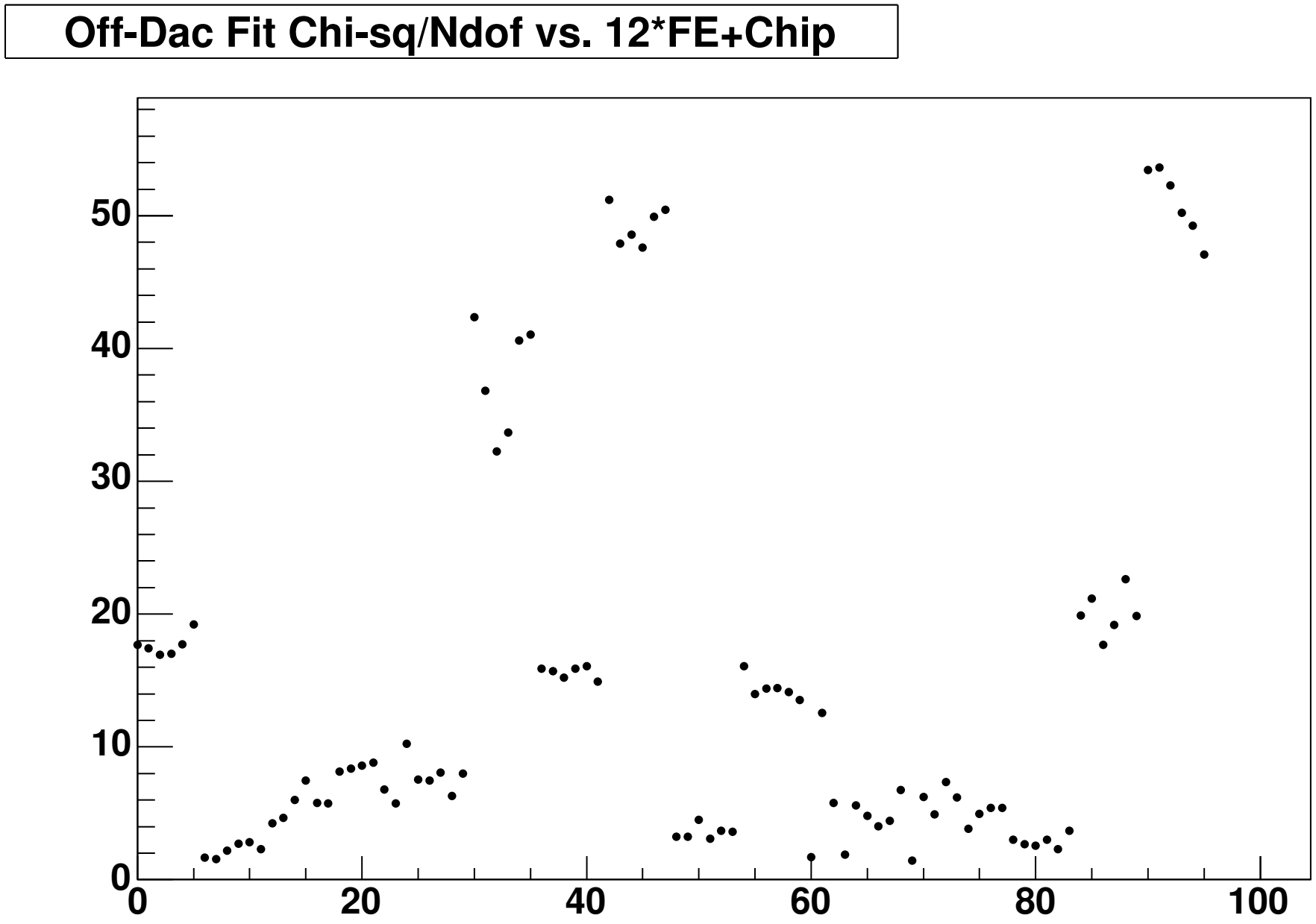

On-Dac Fit Interpolation vs. 12*FE+Chip
3000
2000
1000
0
-1000
-2000
-3000
-4000
-5000
0
20
40
60
80
100

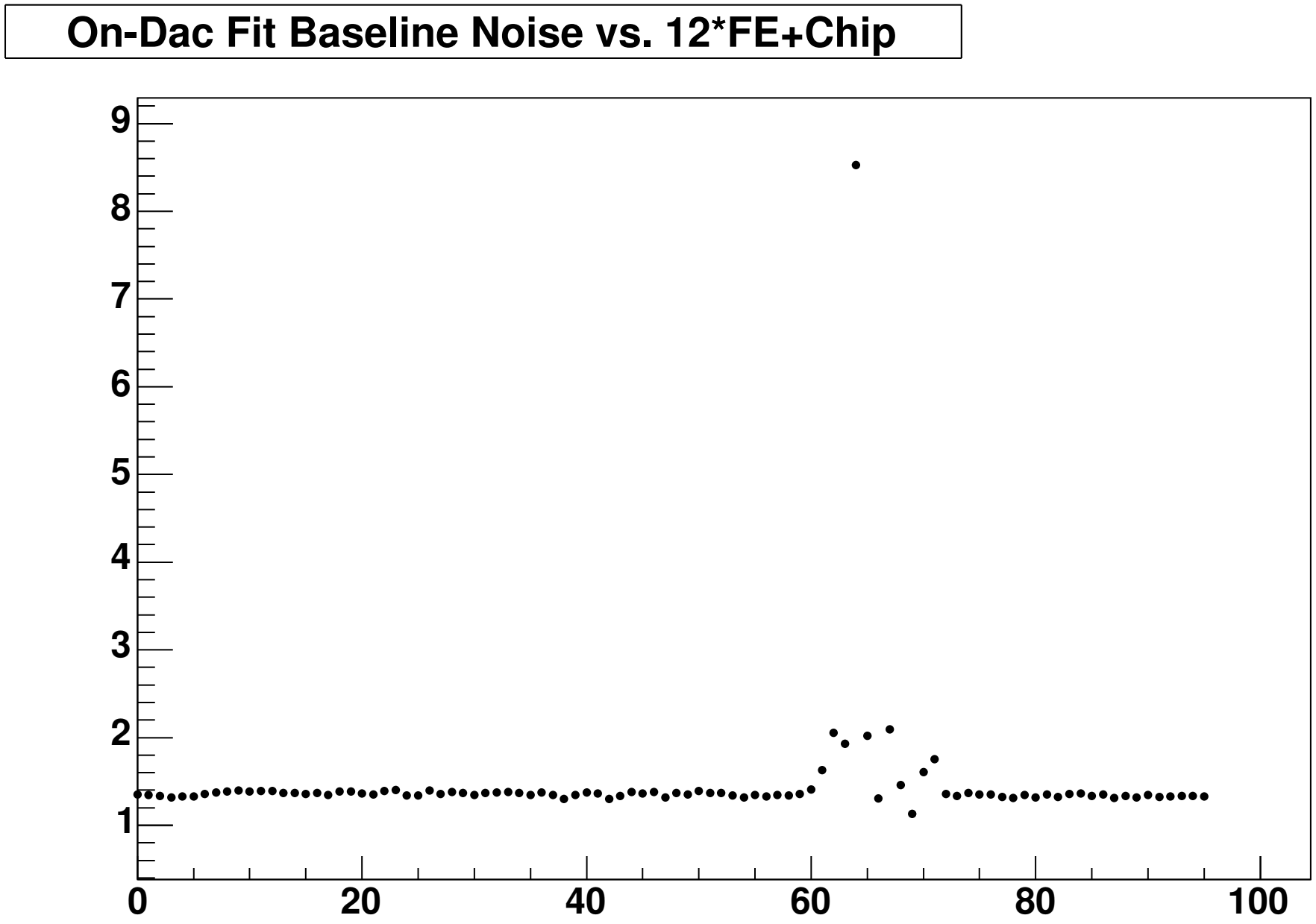

On-Dac Fit Slope vs. 12*FE+Chip
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0
20
40
60
80
100

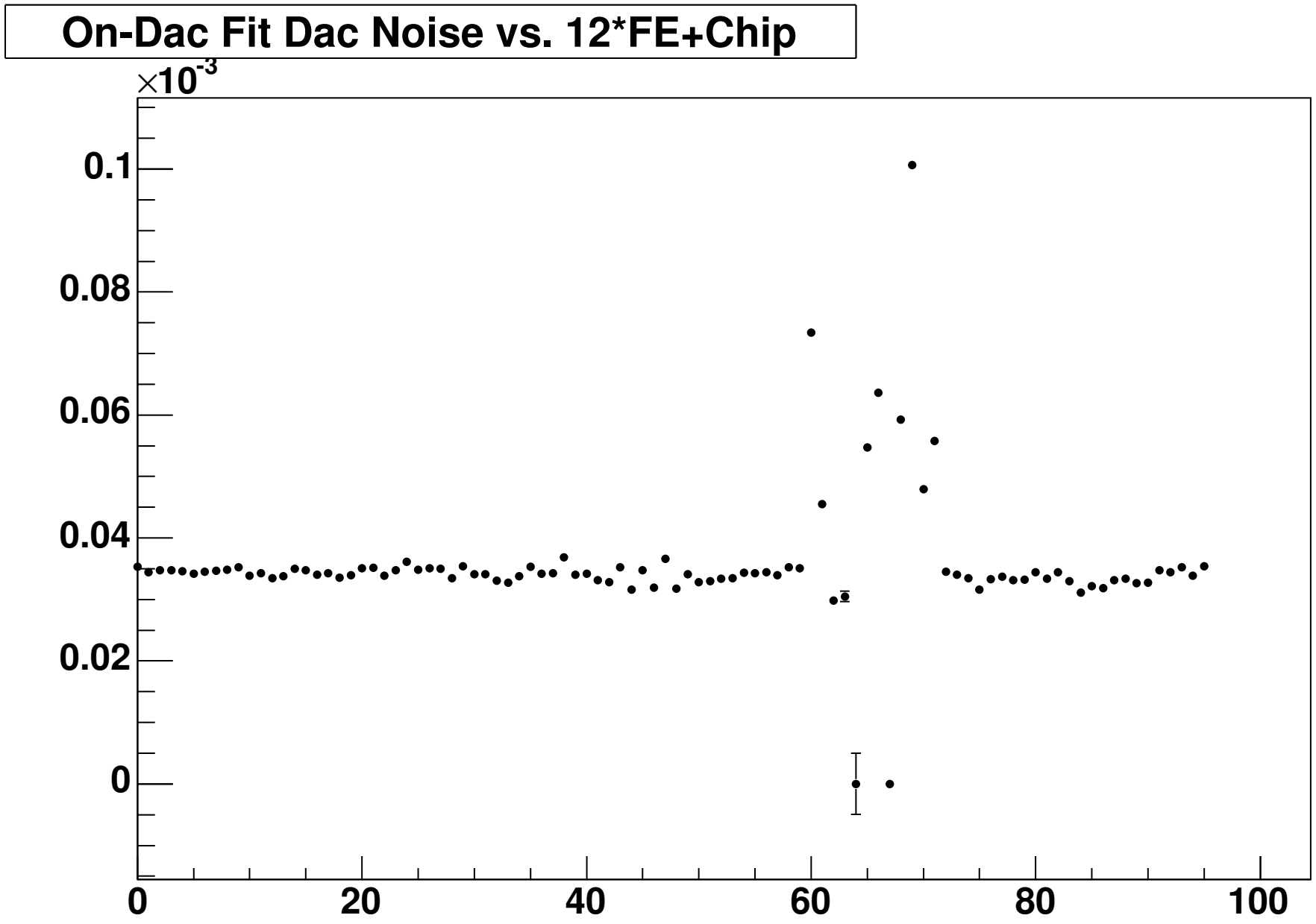

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
×10^9
12
10
8
6
4
2
0
0
20
40
60
80
100

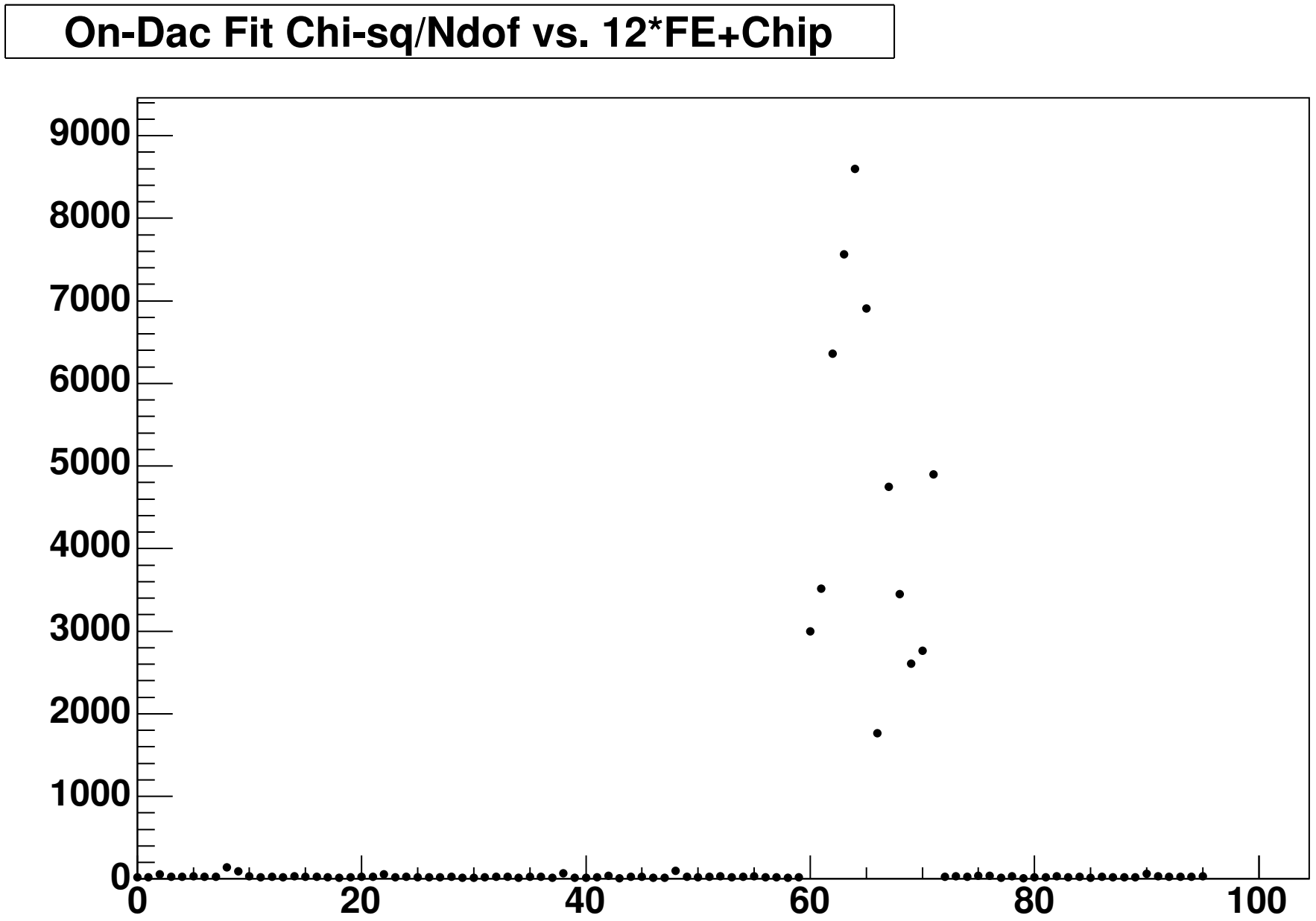

Off-Dac Fit Interpolation vs. 12*FE+Chip
0
-1000
-2000
-3000
-4000
0
20
40
60
80
100

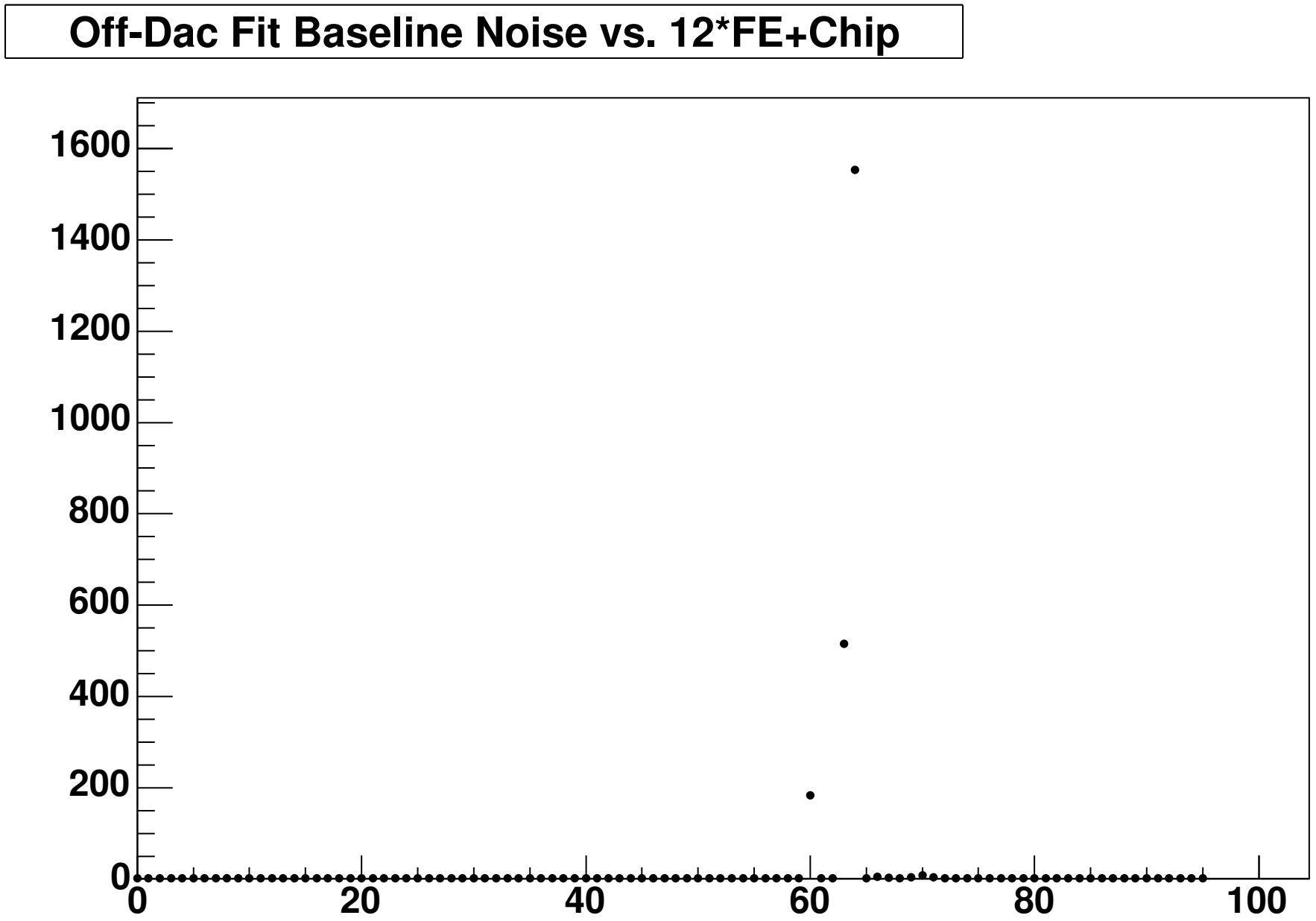

Off-Dac Fit Slope vs. 12*FE+Chip
0
-0.0005
-0.001
-0.0015
-0.002
-0.0025
-0.003
0
20
40
60
80
100

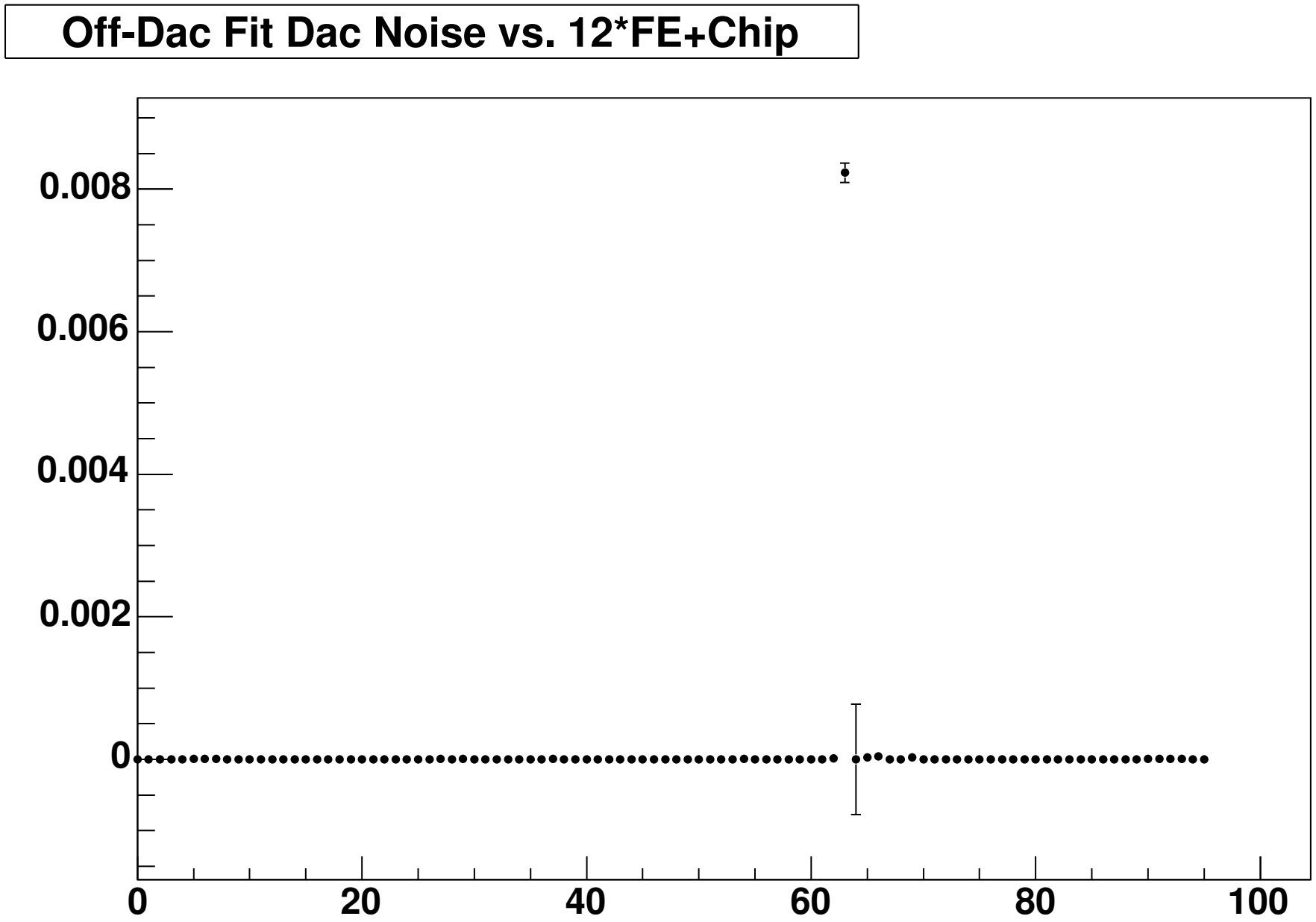

Off-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
0
10
20
30
40
50
0
20
40
60
80
100

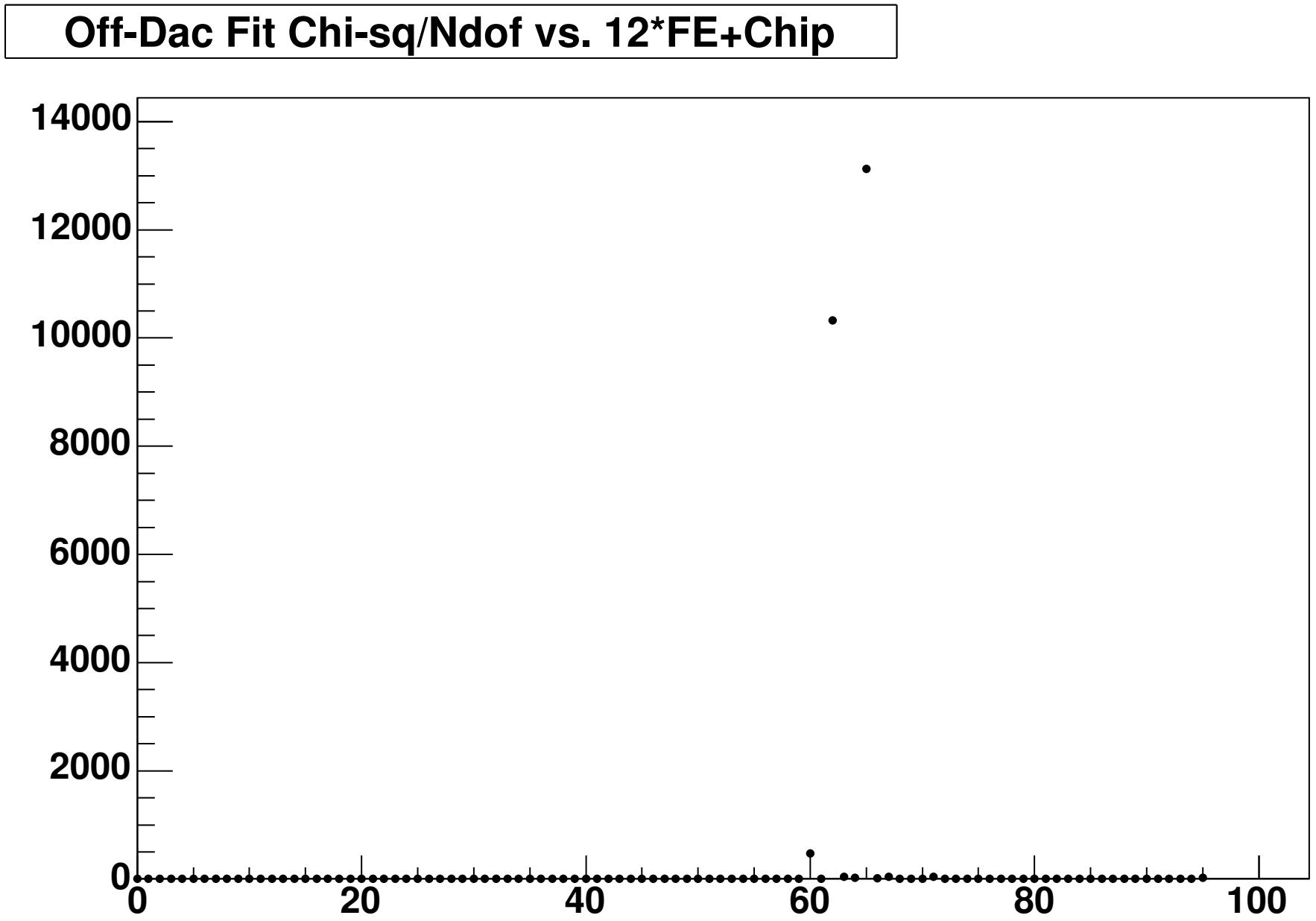

On-Dac Fit Baseline Noise vs. 12*FE+Chip
9
8
7
6
5
4
3
2
1
0
20
40
60
80
100

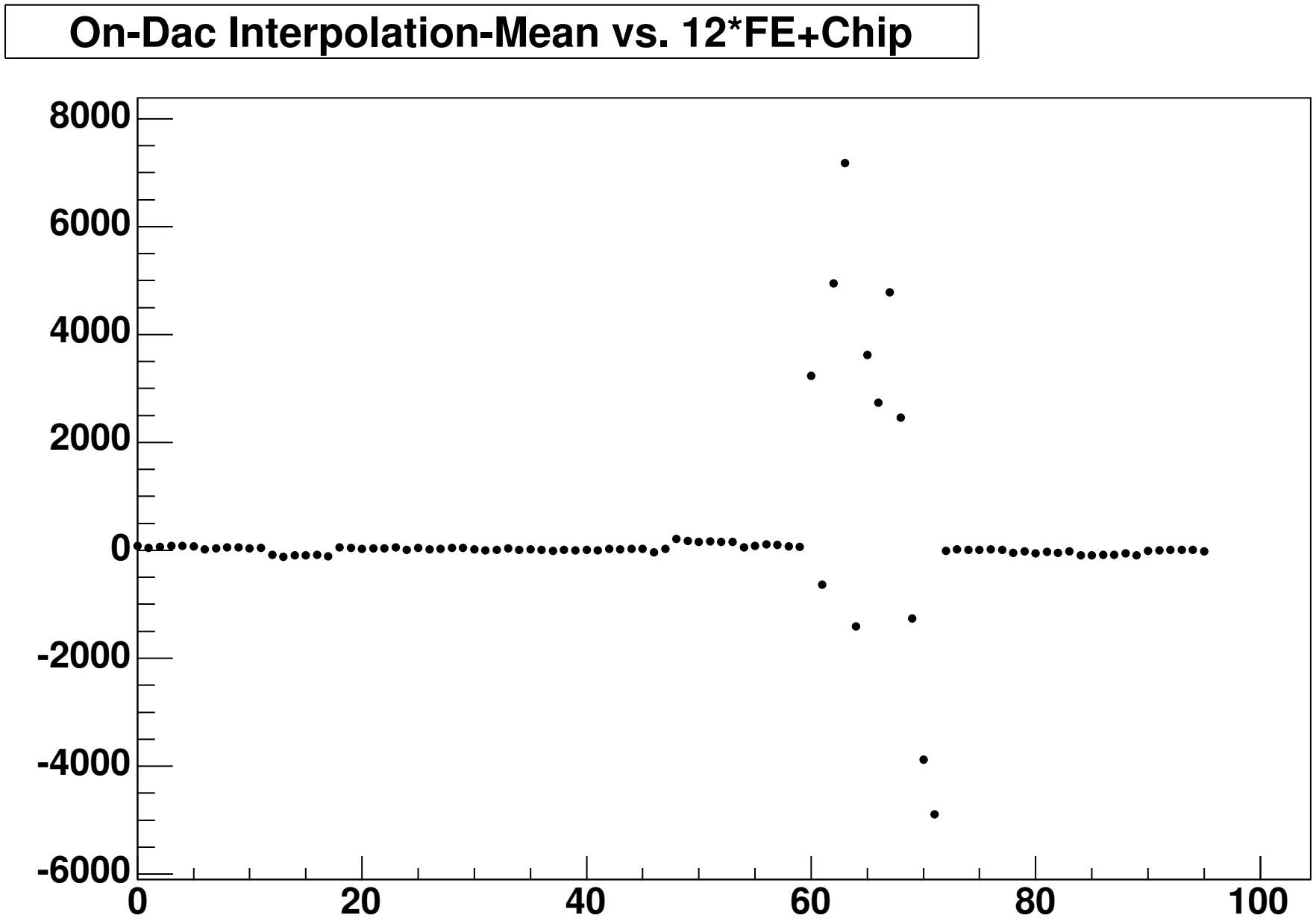

On-Dac Fit Dac Noise vs. 12*FE+Chip
×10^-3
0.1
0.08
0.06
0.04
0.02
0
0
20
40
60
80
100

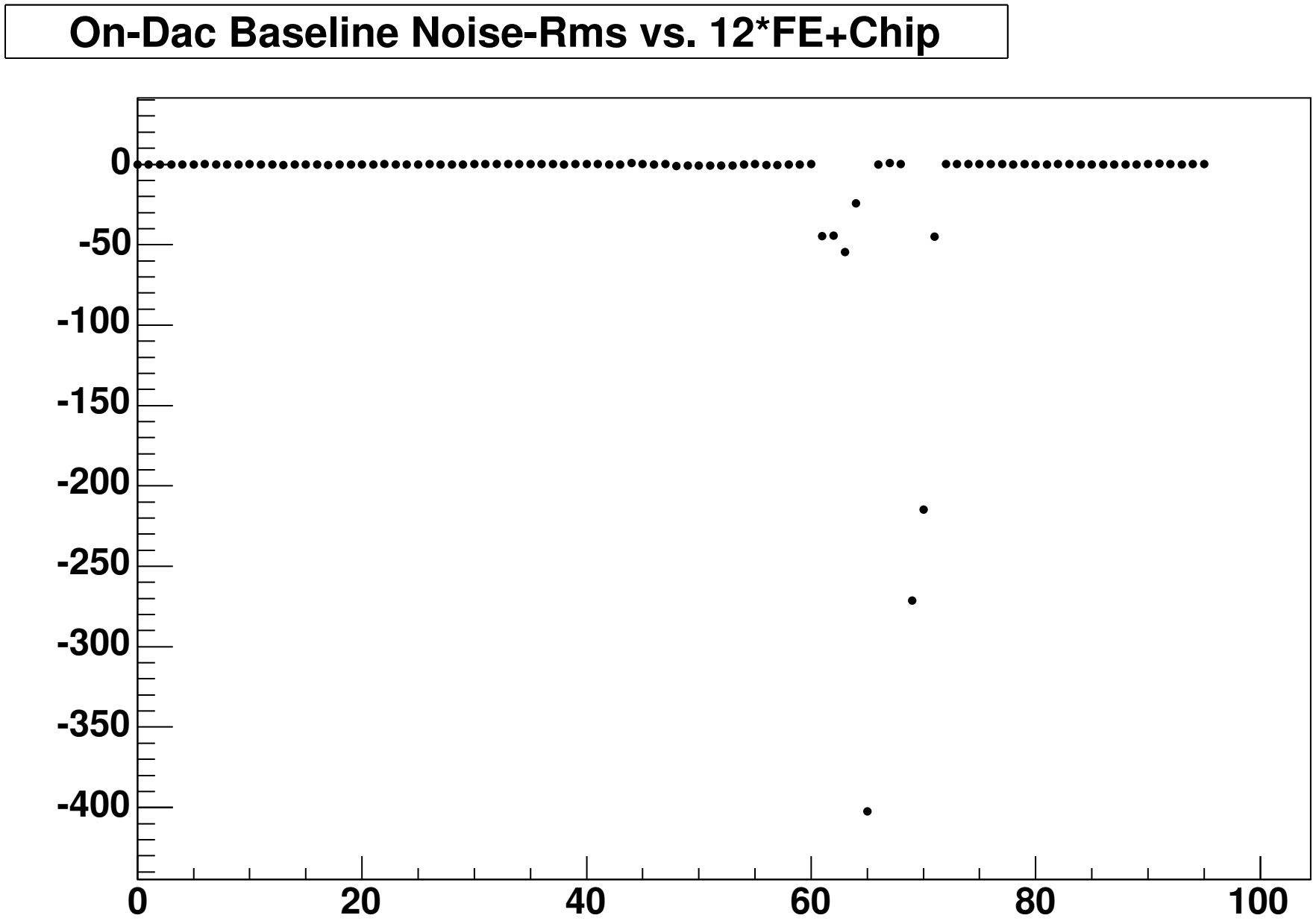

On-Dac Fit Chi-sq/Ndof vs. 12*FE+Chip
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
20
40
60
80
100

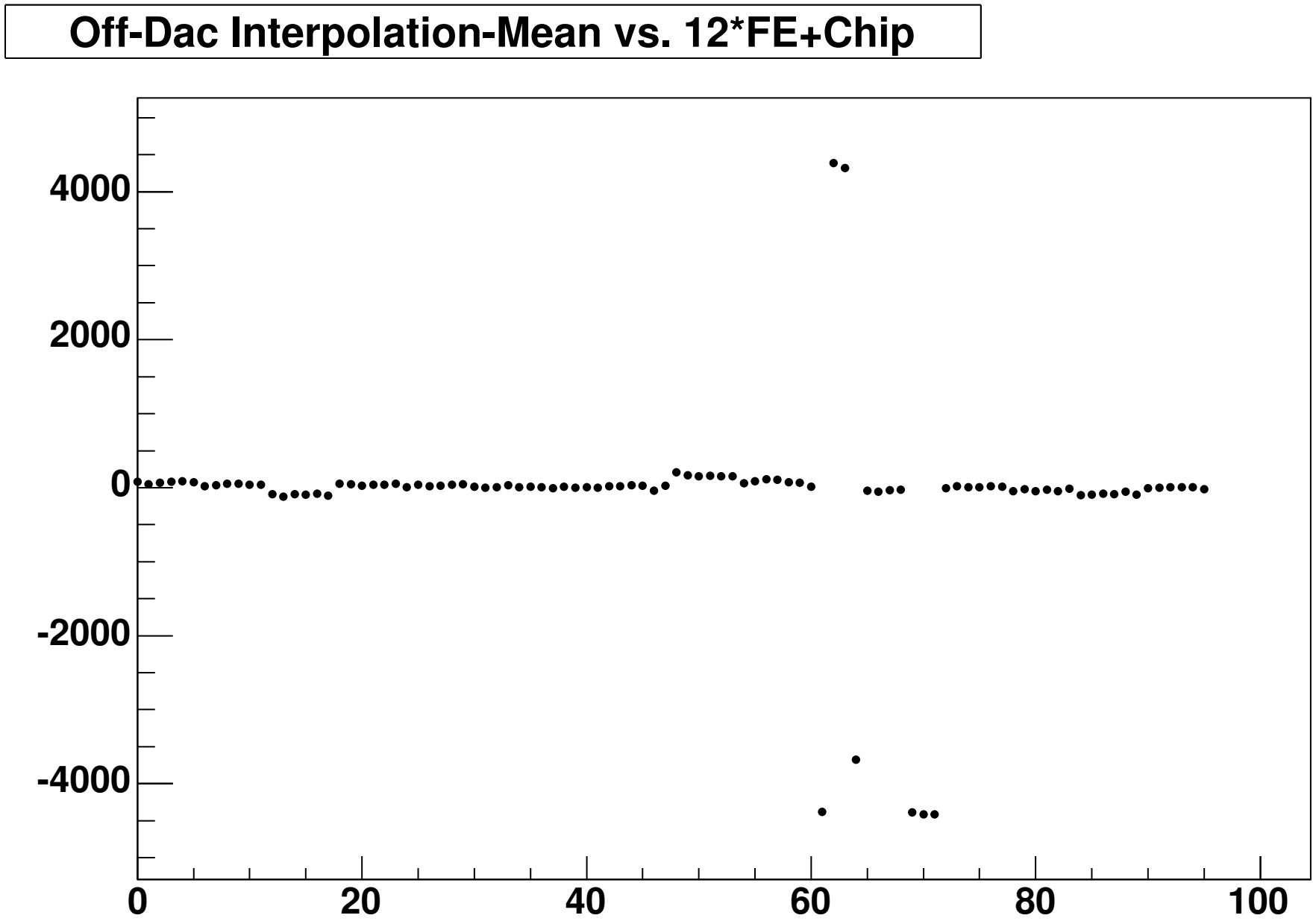

Off-Dac Fit Baseline Noise vs. 12*FE+Chip
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100

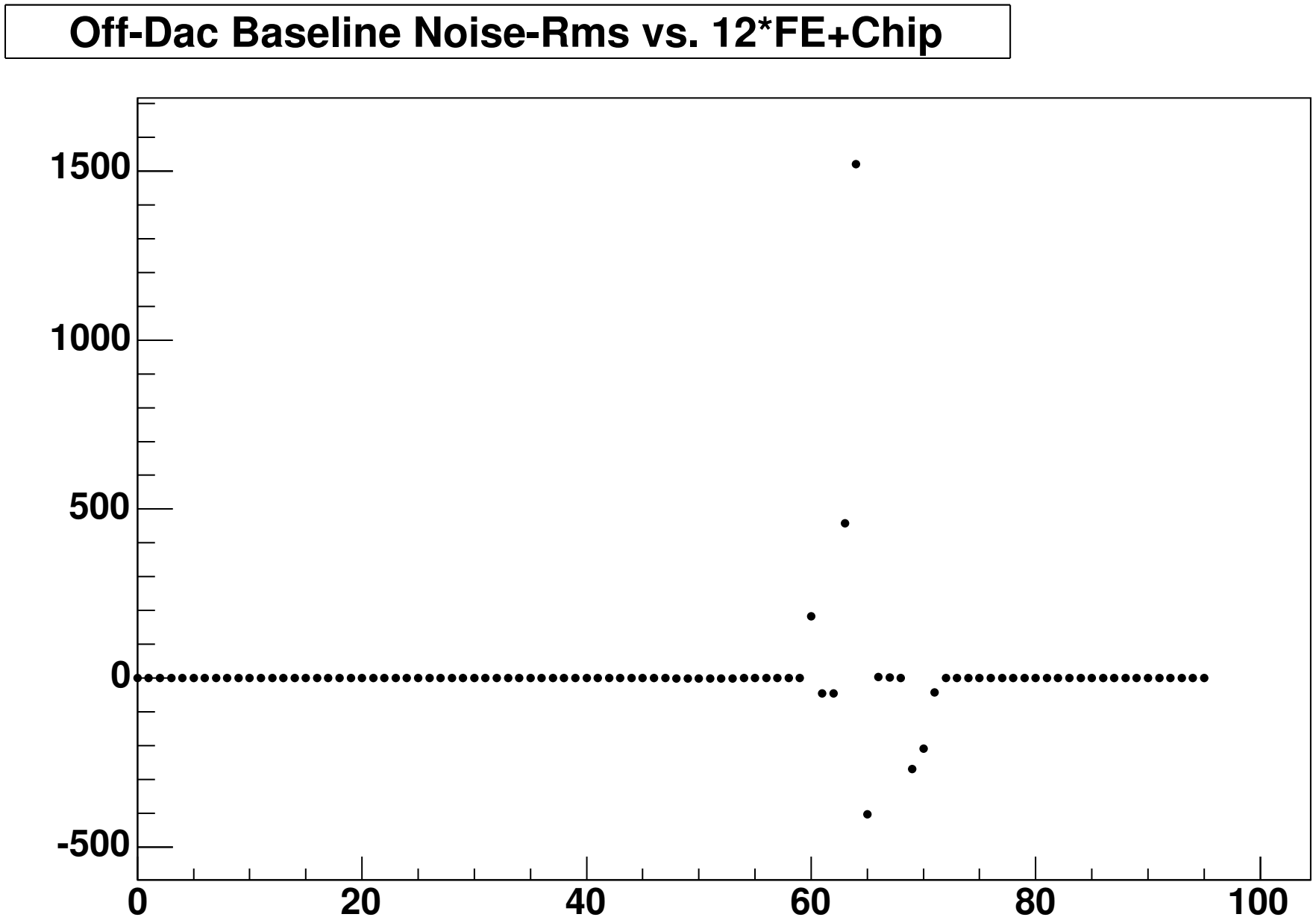

Off-Dac Fit Dac Noise vs. 12*FE+Chip
0.008
0.006
0.004
0.002
0
0
20
40
60
80
100


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


On-Dac Interpolation-Mean vs. 12*FE+Chip
8000
6000
4000
2000
0
-2000
-4000
-6000
0
20
40
60
80
100


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


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


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